

GlueX-doc-809

LANDOLT-BÖRNSTEIN

Numerical Data and Functional Relationships
in Science and Technology

New Series

Editor in Chief: O. Madelung

Group I: Nuclear and Particle Physics

Volume 12

Total Cross-Sections for Reactions
of High Energy Particles

(Including Elastic, Topological, Inclusive
and Exclusive Reactions)

Subvolume b

A. Baldini · V. Flaminio · W.G. Moorhead · D.R.O. Morrison

Editor: H. Schopper



Springer-Verlag Berlin Heidelberg New York
London Paris Tokyo

ISBN 3-540-18412-0 Springer-Verlag Berlin Heidelberg New York
ISBN 0-387-18412-0 Springer-Verlag New York Heidelberg Berlin

CIP-Kurztitelaufnahme der Deutschen Bibliothek

Zahlenwerte und Funktionen aus Naturwissenschaften und Technik / Landolt-Börnstein. – Berlin; Heidelberg; New York; London; Paris; Tokyo: Springer. – Paralleltit.: Numerical data and functional relationships in science and technology. –

Teilw. mit d. Erscheinungsorten Berlin, Heidelberg, New York. – N.S. teilw. Gesamthrg.: K.-H. Hellwege

NE: Landolt, Hans [Begr.]; PT . N.S. Gesamthrg.: O. Madelung. Gruppe 1, Kern- und Teilchenphysik. Bd. 12. Totale Wirkungsquerschnitte für Reaktionen hochenergetischer Teilchen: (einschl. elast., topolog., inklusiver u. exklusiver Reaktionen)/A. Baldini ... Hrsg.: H. Schopper. – Teilbd. b. – 1988

ISBN 3-540-18412-0 (Berlin ...)

ISBN 0-387-18412-0 (New York ...)

NE.: Hellwege, Karl-Heinz [Hrsg.]; Madelung, Otfried [Hrsg.]; Baldini, A. [Mitverf.]; Schopper, Herwig [Hrsg.]

This work is subject to copyright. All rights are reserved, whether the whole or part of the material is concerned, specifically the rights of translation, reprinting, reuse of illustrations, recitation, broadcasting, reproduction on microfilms or in other ways, and storage in data banks. Duplication of this publication or parts thereof is only permitted under the provisions of the German Copyright Law of September 9, 1965, in its version of June 24, 1985, and a copyright fee must always be paid.

Violations fall under the prosecution act of the German Copyright Law.

© Springer-Verlag Berlin Heidelberg 1988

Printed in Germany

The use of registered names, trademarks, etc. in this publication does not imply, even in the absence of a specific statement, that such names are exempt from the relevant protective laws and regulations and therefore free for general use.

Typesetting: Brühlsche Universitätsdruckerei, Giessen

Printing: Druckhaus Langenscheidt KG, Berlin

Bookbinding: Lüderitz & Bauer-GmbH, Berlin

2163/3020-543210

Contributors

- A. Baldini**, Universita degli studi di Pisa and INFN, Sezione di Pisa, Pisa, Italy
V. Flaminio, Universita degli studi di Pisa and INFN, Sezione di Pisa, Pisa, Italy
W. G. Moorhead, CERN, CH-1211, Geneva 23, Switzerland
D. R. O. Morrison, CERN, CH-1211, Geneva 23, Switzerland

Preface

This volume supplements the volumes which have appeared so far in group I concerning cross-sections of elementary particle reactions at high energies. While earlier volumes treated data of special reactions in the most complete way (including angular distributions), this volume contains the total cross sections of all reactions observed so far, with neutrinos, gamma rays, charged pions and kaons, nucleons and antinucleons and hyperons as incident particles. The data is grouped on the one hand into elastic and inelastic reactions and on the other hand into exclusive (all particles in the final state are observed) and inclusive (only one or few particles are measured in the final state) reactions.

In selecting the data best values were established in order to give also the non-specialist the possibility to use the most reliable known values or, if necessary, to find them by interpolation. Because of the enormous amount of experimental material this was not an easy task. Fortunately it was possible to find distinguished authors with many years of experience and competence in the evaluation and compilation of total cross-sections. For a long period they have been preparing the HERA-tables published by CERN which, however, do not put the emphasis on providing best values, but rather have the aim to provide the specialist continuously with the most recent data.

Due to the amount of the available data it was necessary to distribute the material in two volumes which, however, should be considered as an integral unit.

Apart from the authors I should like to thank the editor-in-chief, the editorial office and the publishers for solving the unavoidable technical and administrative difficulties in a rapid and efficient way. This volume, like all other volumes of Landolt-Börnstein, has been published without financial support from any outside source.

Geneva, August 1987

The Editor

Contents

Introduction, conventions adopted, particle dictionary	IX
1 Introductory remarks	IX
2 User's guide to the compilation	IX
3 Units	X
4 Neutrino cross sections	X
5 Selection of data	X
6 Plots and fits	XI
7 Errors – a warning	XII
8 Data presentation	XII
9 Journals and reviews scanned	XII
10 List of institutes	XIII
11 Other journals, reviews etc.	XIII
12 Particle dictionary	XIV
Data	1
IV K⁺ induced reactions	1
IV.1 List of reactions	1
IV.2 Cross section data	4
IV.3 Plots	56
V Proton/neutron induced reactions	73
V.1 List of reactions	73
V.2 Cross section data	77
V.3 Plots	149
VI Antiproton/antineutron induced reactions	181
VI.1 List of reactions	181
VI.2 Cross section data	187
VI.3 Plots	285
VII Hyperon induced reactions	323
VII.1 List of reactions	323
VII.2 Cross section data	324
VII.3 Plots	328
VIII K_L⁰ induced reactions	332
VIII.1 List of reactions	332
VIII.2 Cross section data	333
VIII.3 Plots	340
IX Photon induced reactions	345
IX.1 List of reactions	345
IX.2 Cross section data	347
IX.3 Plots	388
X Neutrino/antineutrino induced reactions	401
X.1 List of reactions	401
X.2 Cross section data	402
X.3 Plots	407

IX Photon induced reactions

IX. 1 List of reactions

No.	Reaction	No.	Reaction
1.	γ Nucleon \rightarrow Charmed Particles	51.	$\gamma p \rightarrow p \pi^+ \pi^- \eta$
2.	γ Nucleon $\rightarrow \Lambda_c^+ D_c^-$ Anything	52.	$\gamma p \rightarrow p \pi^+ \pi^- \rho^0$
3.	γ Nucleon $\rightarrow \Lambda_c^+ \bar{D}_c^0$ Anything	53.	$\gamma p \rightarrow p \pi^+ \pi^- \omega$
4.	γ Nucleon $\rightarrow D_c^+ D_c^-$ Anything	54.	$\gamma p \rightarrow p \pi^+ \pi^- \phi$
5.	γ Nucleon $\rightarrow D_c^+ \bar{D}_c^0$ Anything	55.	$\gamma p \rightarrow p \pi^+ \pi^- A_1^0$
6.	γ Nucleon $\rightarrow D_c^0 \bar{D}_c^0$ Anything	56.	$\gamma p \rightarrow p \pi^+ \pi^- K^+ K^-$
7.	γ Nucleon $\rightarrow D_c^0 D_c^-$ Anything	57.	$\gamma p \rightarrow p \pi^+ \pi^-$ miss. mass
8.	γ Nucleon $\rightarrow \bar{D}_c^0$ Anything	58.	$\gamma p \rightarrow p \pi^+ \rho^-$
9.	$\gamma p \rightarrow$ Total	59.	$\gamma p \rightarrow p \pi^+ A_2^-$
10.	$\gamma p \rightarrow$ Elastic	60.	$\gamma p \rightarrow p 2 \pi^+ \pi^0 2 \pi^-$
11.	$\gamma p \rightarrow$ Strange Particles	61.	$\gamma p \rightarrow p 2 \pi^+ 2 \pi^-$
12.	$\gamma p \rightarrow$ 1 Prongs	62.	$\gamma p \rightarrow p 2 \pi^+ 2 \pi^- K^+ K^-$
13.	$\gamma p \rightarrow$ 1 Prongs Λ	63.	$\gamma p \rightarrow p 2 \pi^+ 2 \pi^-$ miss. mass
14.	$\gamma p \rightarrow$ 1 Prongs K_s^0	64.	$\gamma p \rightarrow p 3 \pi^+ \pi^0 3 \pi^-$
15.	$\gamma p \rightarrow$ 1 Prongs $\bar{\Lambda}$	65.	$\gamma p \rightarrow p 3 \pi^+ 3 \pi^-$
16.	$\gamma p \rightarrow$ 3 Prongs	66.	$\gamma p \rightarrow p 4 \pi^+ \pi^0 4 \pi^-$
17.	$\gamma p \rightarrow$ 3 Prongs Λ	67.	$\gamma p \rightarrow p 4 \pi^+ 4 \pi^-$
18.	$\gamma p \rightarrow$ 3 Prongs K_s^0	68.	$\gamma p \rightarrow p \pi^0$
19.	$\gamma p \rightarrow$ 3 Prongs $\bar{\Lambda}$	69.	$\gamma p \rightarrow p \pi^0 \rho^0$
20.	$\gamma p \rightarrow$ 5 Prongs	70.	$\gamma p \rightarrow p \pi^0 \omega$
21.	$\gamma p \rightarrow$ 5 Prongs Λ	71.	$\gamma p \rightarrow p \pi^0 \phi$
22.	$\gamma p \rightarrow$ 5 Prongs K_s^0	72.	$\gamma p \rightarrow p \pi^0 K^+ K^-$
23.	$\gamma p \rightarrow$ 5 Prongs $\bar{\Lambda}$	73.	$\gamma p \rightarrow p \pi^- \rho^+$
24.	$\gamma p \rightarrow$ 7 Prongs	74.	$\gamma p \rightarrow p \eta$
25.	$\gamma p \rightarrow$ 7 Prongs Λ	75.	$\gamma p \rightarrow p \rho^0$
26.	$\gamma p \rightarrow$ 7 Prongs K_s^0	76.	$\gamma p \rightarrow p \rho^0$ (Backward)
27.	$\gamma p \rightarrow$ 7 Prongs $\bar{\Lambda}$	77.	$\gamma p \rightarrow p \omega$
28.	$\gamma p \rightarrow$ 9 Prongs	78.	$\gamma p \rightarrow p \eta'$
29.	$\gamma p \rightarrow$ 9 Prongs Λ	79.	$\gamma p \rightarrow p S^*$
30.	$\gamma p \rightarrow$ 9 Prongs K_s^0	80.	$\gamma p \rightarrow p \phi$
31.	$\gamma p \rightarrow$ 11 Prongs K_s^0	81.	$\gamma p \rightarrow p B^0$
32.	$\gamma p \rightarrow \Xi^-$ Anything	82.	$\gamma p \rightarrow p f$
33.	$\gamma p \rightarrow \Lambda K^+$	83.	$\gamma p \rightarrow p f'$
34.	$\gamma p \rightarrow \Lambda K_s^0$ Anything	84.	$\gamma p \rightarrow p \rho'^0$
35.	$\gamma p \rightarrow \Lambda \bar{\Lambda}$ Anything	85.	$\gamma p \rightarrow p \omega_{1670}$
36.	$\gamma p \rightarrow \Lambda$ Anything	86.	$\gamma p \rightarrow p \phi$
37.	$\gamma p \rightarrow 2 \Lambda$ Anything	87.	$\gamma p \rightarrow p \rho^0$
38.	$\gamma p \rightarrow \Lambda_{1520} K^+$	88.	$\gamma p \rightarrow p \psi$
39.	$\gamma p \rightarrow \Lambda_{1520}$ Anything	89.	$\gamma p \rightarrow p K^+ K^-$
40.	$\gamma p \rightarrow \Sigma^+ K^0$	90.	$\gamma p \rightarrow p K^+ K^{*-}_{890}$
41.	$\gamma p \rightarrow \Sigma^0 K^+$	91.	$\gamma p \rightarrow p K^- K^{*+}_{890}$
42.	$\gamma p \rightarrow \Sigma^0$ Anything	92.	$\gamma p \rightarrow p K^0_s K^{*0}_{890}$
43.	$\gamma p \rightarrow \Sigma_{1385}^+$ Anything	93.	$\gamma p \rightarrow 2 p p$
44.	$\gamma p \rightarrow \Sigma_{1385}^+ K^0$	94.	$\gamma p \rightarrow n \pi^+$
45.	$\gamma p \rightarrow \Sigma_{1385}^+$ Anything	95.	$\gamma p \rightarrow n \pi^+ \rho^0$
46.	$\gamma p \rightarrow \Sigma_{1385}^0 K^+$	96.	$\gamma p \rightarrow n 2 \pi^+ \pi^0 \pi^-$
47.	$\gamma p \rightarrow \Sigma_{1385}^-$ Anything	97.	$\gamma p \rightarrow n 2 \pi^+ 2 \pi^0 \pi^-$
48.	$\gamma p \rightarrow p \pi^+ \pi^0 \pi^-$	98.	$\gamma p \rightarrow n 2 \pi^+ \pi^-$
49.	$\gamma p \rightarrow p \pi^+ \pi^0 \pi^- \rho^0$	99.	$\gamma p \rightarrow n 2 \pi^+ \pi^-$ miss. mass
50.	$\gamma p \rightarrow p \pi^+ \pi^-$	100.	$\gamma p \rightarrow n 3 \pi^+ 2 \pi^-$

IX.1 γ : List of reactions

No.	Reaction	No.	Reaction
101.	$\gamma p \rightarrow n 3 \pi^+ 2 \pi^-$ miss. mass	145.	$\gamma n \rightarrow 8$ Prongs
102.	$\gamma p \rightarrow n 4 \pi^+ 3 \pi^-$	146.	$\gamma n \rightarrow \Lambda K^{*0}_{890}$
103.	$\gamma p \rightarrow n 5 \pi^+ 4 \pi^-$	147.	$\gamma n \rightarrow p \pi^+ \pi^0 2 \pi^-$
104.	$\gamma p \rightarrow n \rho^+$	148.	$\gamma n \rightarrow p \pi^+ \pi^- \rho^-$
105.	$\gamma p \rightarrow n A_2^+$	149.	$\gamma n \rightarrow p \pi^+ 2 \pi^-$
106.	$\gamma p \rightarrow \Delta^{++}_{1236} \pi^+ \pi^0 2 \pi^-$	150.	$\gamma n \rightarrow p \pi^0 \pi^-$
107.	$\gamma p \rightarrow \Delta^{++}_{1236} \pi^+ 2 \pi^-$	151.	$\gamma n \rightarrow p \pi^0 \pi^- \rho^0$
108.	$\gamma p \rightarrow \Delta^{++}_{1236} \pi^0 \pi^-$	152.	$\gamma n \rightarrow p \pi^-$
109.	$\gamma p \rightarrow \Delta^{++}_{1236} \pi^-$	153.	$\gamma n \rightarrow p \pi^- \rho^0$
110.	$\gamma p \rightarrow \Delta^{++}_{1236} \pi^- \rho^0$	154.	$\gamma n \rightarrow p \pi^- \omega$
111.	$\gamma p \rightarrow \Delta^{++}_{1236} \pi^- \omega$	155.	$\gamma n \rightarrow p \rho^-$
112.	$\gamma p \rightarrow \Delta^{++}_{1236} \rho^-$	156.	$\gamma n \rightarrow p A_2^-$
113.	$\gamma p \rightarrow \Delta^{++}_{1236} A_1^-$	157.	$\gamma n \rightarrow n \pi^+ \pi^-$
114.	$\gamma p \rightarrow \Delta^{++}_{1236} A_2^-$	158.	$\gamma n \rightarrow n \pi^+ \pi^- \rho^0$
115.	$\gamma p \rightarrow \Delta^+_{1236} \pi^+ \pi^-$	159.	$\gamma n \rightarrow n 2 \pi^+ 2 \pi^-$
116.	$\gamma p \rightarrow \Delta^+_{1236} \rho^0$	160.	$\gamma n \rightarrow \Delta^{++}_{1236} 2 \pi^-$
117.	$\gamma p \rightarrow \Delta^+_{1236} \omega$	161.	$\gamma n \rightarrow \Delta^+_{1236} \pi^-$
118.	$\gamma p \rightarrow \Delta^0_{1236} \pi^+$	162.	$\gamma n \rightarrow \Delta^0_{1236} \pi^+ \pi^-$
119.	$\gamma p \rightarrow \Delta^0_{1236} 2 \pi^+ \pi^-$	163.	$\gamma n \rightarrow \Delta^-_{1236} \pi^+$
120.	$\gamma p \rightarrow \Delta^0_{1236} \rho^+$	164.	$\gamma n \rightarrow \Delta^-_{1236} \pi^+ \rho^0$
121.	$\gamma p \rightarrow \Delta^-_{1236} 2 \pi^+$	165.	$\gamma n \rightarrow \Delta^-_{1236} 2 \pi^+ \pi^-$
122.	$\gamma p \rightarrow \Delta^-_{1236} 3 \pi^+ \pi^-$	166.	$\gamma d \rightarrow$ Total
123.	$\gamma p \rightarrow \rho^0$ Anything	167.	$\gamma d \rightarrow$ Strange Particles
124.	$\gamma p \rightarrow \omega$ Anything	168.	$\gamma d \rightarrow 0$ Prongs
125.	$\gamma p \rightarrow \psi$ Anything	169.	$\gamma d \rightarrow 1$ Prongs
126.	$\gamma p \rightarrow \psi'$ Anything	170.	$\gamma d \rightarrow 2$ Prongs
127.	$\gamma p \rightarrow K^0_S \bar{\Lambda}$ Anything	171.	$\gamma d \rightarrow 3$ Prongs
128.	$\gamma p \rightarrow K^0_S$ Anything	172.	$\gamma d \rightarrow 4$ Prongs
129.	$\gamma p \rightarrow 2 K^0_S$ Anything	173.	$\gamma d \rightarrow 5$ Prongs
130.	$\gamma p \rightarrow K^{*+}_{890}$ Anything	174.	$\gamma d \rightarrow 6$ Prongs
131.	$\gamma p \rightarrow K^{*-}_{890}$ Anything	175.	$\gamma d \rightarrow 7$ Prongs
132.	$\gamma p \rightarrow$ Charmed Particles	176.	$\gamma d \rightarrow 8$ Prongs
133.	$\gamma p \rightarrow D_C \bar{D}_C$ Anything	177.	$\gamma d \rightarrow 9$ Prongs
134.	$\gamma p \rightarrow D^{*0}_C$ Anything	178.	$\gamma d \rightarrow d \pi^+ \pi^-$
135.	$\gamma p \rightarrow D^{*+}_C$ Anything	179.	$\gamma d \rightarrow d 2 \pi^+ 2 \pi^-$
136.	$\gamma p \rightarrow F^{*+}_C F^-_C$ Anything	180.	$\gamma d \rightarrow d \rho^0$
137.	$\gamma p \rightarrow \bar{\Xi}^-$ Anything	181.	$\gamma d \rightarrow d \omega$
138.	$\gamma p \rightarrow \bar{\Lambda}$ Anything	182.	$\gamma d \rightarrow p n \pi^+ \pi^-$
139.	$\gamma n \rightarrow$ Total	183.	$\gamma d \rightarrow p n \rho^0$
140.	$\gamma n \rightarrow$ Strange Particles	184.	$\gamma d \rightarrow p n \omega$
141.	$\gamma n \rightarrow 0$ Prongs	185.	$\gamma d \rightarrow 2 p \pi^0 \pi^-$
142.	$\gamma n \rightarrow 2$ Prongs	186.	$\gamma d \rightarrow 2 p \pi^-$
143.	$\gamma n \rightarrow 4$ Prongs	187.	$\gamma d \rightarrow \psi$ Anything
144.	$\gamma n \rightarrow 6$ Prongs	188.	$\gamma He \rightarrow 2 d$

IX. 2 Cross section data

Reaction	P_{lab} (GeV/c)	$\Delta P_{lab} \pm$	Cross Section	Error \pm	Syst \pm Error	Reference	Foot- Notes
1. γ Nucleon \rightarrow Charmed Particles	45.000	25.000	$0.230 \cdot 10^{-3}$	$0.570 \cdot 10^{-4}$		(Cross section units: 10^{-27} cm ²) Adamovich,PL,TBP-86	
2. γ Nucleon $\rightarrow \Lambda_c^+ D_c^-$ Anything	45.000	25.000	$0.138 \cdot 10^{-4}$	$0.770 \cdot 10^{-5}$		(Cross section units: 10^{-27} cm ²) Adamovich,PL,TBP-86	
3. γ Nucleon $\rightarrow \Lambda_c^+ \bar{D}_c^0$ Anything	45.000	25.000	$0.506 \cdot 10^{-4}$	$0.303 \cdot 10^{-4}$		(Cross section units: 10^{-27} cm ²) Adamovich,PL,TBP-86	
4. γ Nucleon $\rightarrow D_c^+ D_c^-$ Anything	45.000	25.000	$0.276 \cdot 10^{-4}$	$0.260 \cdot 10^{-4}$		(Cross section units: 10^{-27} cm ²) Adamovich,PL,TBP-86	
5. γ Nucleon $\rightarrow D_c^+ \bar{D}_c^0$ Anything	45.000	25.000	$0.530 \cdot 10^{-4}$	$0.330 \cdot 10^{-4}$		(Cross section units: 10^{-27} cm ²) Adamovich,PL,TBP-86	
6. γ Nucleon $\rightarrow D_c^0 \bar{D}_c^0$ Anything	45.000	25.000	$0.690 \cdot 10^{-4}$	$0.340 \cdot 10^{-4}$		(Cross section units: 10^{-27} cm ²) Adamovich,PL,TBP-86	
7. γ Nucleon $\rightarrow D_c^0 D_c^-$ Anything	45.000	25.000	$0.115 \cdot 10^{-4}$	$0.750 \cdot 10^{-5}$		(Cross section units: 10^{-27} cm ²) Adamovich,PL,TBP-86	
8. γ Nucleon $\rightarrow \bar{D}_c^0$ Anything						(Cross section units: 10^{-27} cm ²)	
$\bar{D}_c^0 \rightarrow K^+ \pi^-$	55.000	15.000	$0.135 \cdot 10^{-4}$	$0.400 \cdot 10^{-5}$		Aston,PL94B,113-80	
...corrected for branching ratio...			$0.250 \cdot 10^{-3}$	$0.764 \cdot 10^{-4}$			
$\bar{D}_c^0 \rightarrow K^+ \pi^- \pi^0$	55.000	15.000	$0.108 \cdot 10^{-3}$	$0.330 \cdot 10^{-4}$		Aston,PL94B,113-80	
...corrected for branching ratio...			0.00062	0.00020			
$\bar{D}_c^0 \rightarrow K^0 \pi^+ \pi^-$	55.000	15.000	$0.390 \cdot 10^{-4}$	$0.110 \cdot 10^{-4}$		Aston,PL94B,113-80	
...corrected for branching ratio...			$0.459 \cdot 10^{-3}$	$0.150 \cdot 10^{-3}$			
9. $\gamma p \rightarrow$ Total						(Cross section units: 10^{-27} cm ²)	
	0.188		0.07880	0.04100		Bloom,SLAC653-69	
	0.205		0.11890	0.03800		Bloom,SLAC653-69	
	0.223		0.16820	0.03400		Bloom,SLAC653-69	
	0.242		0.20240	0.03100		Bloom,SLAC653-69	
	0.260		0.32340	0.03200		Bloom,SLAC653-69	
	0.265		0.42450	0.00800		Armstrong,PRD5,1640-72	
	0.279		0.38710	0.03400		Bloom,SLAC653-69	
	0.290		0.48700	0.00810		Armstrong,PRD5,1640-72	
	0.298		0.50420	0.03700		Bloom,SLAC653-69	
	0.315		0.52690	0.00810		Armstrong,PRD5,1640-72	
	0.318		0.53260	0.03700		Bloom,SLAC653-69	
	0.337		0.54230	0.03700		Bloom,SLAC653-69	
	0.340		0.47780	0.00830		Armstrong,PRD5,1640-72	
	0.357		0.48080	0.03000		Bloom,SLAC653-69	
	0.365		0.40660	0.00800		Armstrong,PRD5,1640-72	
	0.377		0.41100	0.03100		Bloom,SLAC653-69	
	0.390		0.33410	0.00760		Armstrong,PRD5,1640-72	
	0.397		0.31190	0.03300		Bloom,SLAC653-69	
	0.415		0.24440	0.00750		Armstrong,PRD5,1640-72	
	0.418		0.24960	0.03100		Bloom,SLAC653-69	
	0.438		0.21090	0.02600		Bloom,SLAC653-69	
	0.440		0.22450	0.00670		Armstrong,PRD5,1640-72	
	0.459		0.17420	0.02700		Bloom,SLAC653-69	

Reaction	P_{lab} (GeV/c)	$\Delta P_{\text{lab}} \pm$	Cross Section	Error \pm	Syst \pm Error	Reference	Foot- Notes
9. $\gamma p \rightarrow$ Total (Continued)						(Cross section units: 10^{-27} cm^2)	
	0.465		0.20050	0.00660		Armstrong,PRD5,1640-72	
	0.481		0.18880	0.02600		Bloom,SLAC653-69	
	0.490		0.17830	0.00650		Armstrong,PRD5,1640-72	
	0.502		0.17640	0.02500		Bloom,SLAC653-69	
	0.515		0.17690	0.00640		Armstrong,PRD5,1640-72	
	0.524		0.16710	0.01700		Bloom,SLAC653-69	
	0.540		0.18690	0.00620		Armstrong,PRD5,1640-72	
	0.546		0.19120	0.01700		Bloom,SLAC653-69	
	0.565		0.19400	0.00400		Armstrong,PRD5,1640-72	
	0.568		0.21850	0.01700		Bloom,SLAC653-69	
	0.590		0.20910	0.01800		Bloom,SLAC653-69	
	0.590		0.21170	0.00390		Armstrong,PRD5,1640-72	
	0.613		0.23350	0.01600		Bloom,SLAC653-69	
	0.615		0.22260	0.00410		Armstrong,PRD5,1640-72	
	0.636		0.23850	0.01600		Bloom,SLAC653-69	
	0.640		0.23270	0.00420		Armstrong,PRD5,1640-72	
	0.659		0.24560	0.01800		Bloom,SLAC653-69	
	0.661	0.107	0.21100	0.02200		Hilpert,PL27B,474-68	
	0.665		0.23950	0.00430		Armstrong,PRD5,1640-72	
	0.682		0.25140	0.01800		Bloom,SLAC653-69	
	0.690		0.26460	0.00450		Armstrong,PRD5,1640-72	
	0.706		0.27390	0.01900		Bloom,SLAC653-69	
	0.715		0.27900	0.00450		Armstrong,PRD5,1640-72	
	0.730		0.28910	0.02000		Bloom,SLAC653-69	
	0.740		0.27560	0.00460		Armstrong,PRD5,1640-72	
	0.754		0.28660	0.01900		Bloom,SLAC653-69	
	0.765		0.26070	0.00460		Armstrong,PRD5,1640-72	
	0.778		0.27510	0.01800		Bloom,SLAC653-69	
	0.790		0.24470	0.00460		Armstrong,PRD5,1640-72	
	0.800		0.20100	0.02000		Dieterle,PRL23,1191-69	
	0.803		0.25870	0.01600		Bloom,SLAC653-69	
	0.815		0.22110	0.00460		Armstrong,PRD5,1640-72	
	0.828		0.23160	0.01700		Bloom,SLAC653-69	
	0.840		0.20630	0.00460		Armstrong,PRD5,1640-72	
	0.853		0.22990	0.01700		Bloom,SLAC653-69	
	0.865		0.21370	0.00450		Armstrong,PRD5,1640-72	
	0.878		0.22660	0.01600		Bloom,SLAC653-69	
	0.890		0.20880	0.00450		Armstrong,PRD5,1640-72	
	0.904		0.19980	0.01700		Bloom,SLAC653-69	
	0.915		0.20170	0.00470		Armstrong,PRD5,1640-72	
	0.924	0.156	0.19300	0.01900		Hilpert,PL27B,474-68	
	0.929		0.23360	0.01800		Bloom,SLAC653-69	
	0.940		0.20500	0.00460		Armstrong,PRD5,1640-72	
	0.956		0.21170	0.01600		Bloom,SLAC653-69	
	0.965		0.20150	0.00480		Armstrong,PRD5,1640-72	
	0.982		0.22100	0.01500		Bloom,SLAC653-69	
	0.990		0.21210	0.00490		Armstrong,PRD5,1640-72	
	1.008		0.23240	0.01500		Bloom,SLAC653-69	
	1.015		0.21750	0.00500		Armstrong,PRD5,1640-72	
	1.035		0.22340	0.01600		Bloom,SLAC653-69	
	1.040		0.21520	0.00490		Armstrong,PRD5,1640-72	
	1.062		0.24160	0.01700		Bloom,SLAC653-69	
	1.065		0.19170	0.00500		Armstrong,PRD5,1640-72	
	1.089		0.23240	0.01800		Bloom,SLAC653-69	
	1.090		0.19110	0.00500		Armstrong,PRD5,1640-72	
	1.115		0.17470	0.00500		Armstrong,PRD5,1640-72	
	1.117		0.22380	0.01600		Bloom,SLAC653-69	
	1.140		0.16500	0.00480		Armstrong,PRD5,1640-72	
	1.144		0.20790	0.01500		Bloom,SLAC653-69	
	1.150	0.150	0.18210	0.00780		Meyer,PL33B,189-70	
	1.165		0.15870	0.00490		Armstrong,PRD5,1640-72	
	1.172		0.15930	0.01700		Bloom,SLAC653-69	
	1.190		0.16220	0.00500		Armstrong,PRD5,1640-72	
	1.200		0.18410	0.01800		Bloom,SLAC653-69	

Reaction	P_{lab} (GeV/c)	$\Delta P_{lab} \pm$	Cross Section	Error \pm	Syst \pm Error	Reference	Foot- Notes
9. $\gamma p \rightarrow$ Total (Continued)						(Cross section units: 10^{-27} cm^2)	
	1.215		0.14960	0.00480		Armstrong,PRD5,1640-72	
	1.229		0.17530	0.01500		Bloom,SLAC653-69	
	1.240		0.14860	0.00500		Armstrong,PRD5,1640-72	
	1.258		0.15260	0.01500		Bloom,SLAC653-69	
	1.265		0.14380	0.00490		Armstrong,PRD5,1640-72	
	1.286		0.15560	0.01600		Bloom,SLAC653-69	
	1.290		0.15560	0.00470		Armstrong,PRD5,1640-72	
	1.315		0.14680	0.00490		Armstrong,PRD5,1640-72	
	1.316		0.18060	0.01600		Bloom,SLAC653-69	
	1.340		0.15360	0.00480		Armstrong,PRD5,1640-72	
	1.345		0.15990	0.01600		Bloom,SLAC653-69	
	1.365		0.15440	0.00500		Armstrong,PRD5,1640-72	
	1.375		0.16430	0.01700		Bloom,SLAC653-69	
	1.390		0.15360	0.00540		Armstrong,PRD5,1640-72	
	1.415		0.14680	0.00520		Armstrong,PRD5,1640-72	
	1.435		0.19680	0.01600		Bloom,SLAC653-69	
	1.440	0.003	0.14510	0.00570		Ballam,PRL23,498-69	
	1.440		0.15350	0.00530		Armstrong,PRD5,1640-72	
	1.440		0.14510	0.00570		Ballam,PRD5,545-72	
	1.450	0.150	0.15370	0.00630		Meyer,PL33B,189-70	
	1.465		0.17080	0.01400		Bloom,SLAC653-69	
	1.465		0.14420	0.00540		Armstrong,PRD5,1640-72	
	1.490		0.15150	0.00520		Armstrong,PRD5,1640-72	
	1.495		0.15810	0.01400		Bloom,SLAC653-69	
	1.500		0.15100	0.00900		Dieterle,PRL23,1191-69	
	1.515		0.15590	0.00530		Armstrong,PRD5,1640-72	
	1.526		0.17540	0.01600		Bloom,SLAC653-69	
	1.540		0.15410	0.00510		Armstrong,PRD5,1640-72	
	1.557		0.16500	0.01600		Bloom,SLAC653-69	
	1.565		0.14610	0.00510		Armstrong,PRD5,1640-72	
	1.589		0.16370	0.01500		Bloom,SLAC653-69	
	1.590		0.13880	0.00510		Armstrong,PRD5,1640-72	
	1.615		0.15650	0.00510		Armstrong,PRD5,1640-72	
	1.620		0.16400	0.01500		Bloom,SLAC653-69	
	1.640		0.15020	0.00500		Armstrong,PRD5,1640-72	
	1.652		0.14170	0.01400		Bloom,SLAC653-69	
	1.665		0.15030	0.00400		Armstrong,PRD5,1640-72	
	1.684		0.14230	0.01400		Bloom,SLAC653-69	
	1.690		0.14540	0.00390		Armstrong,PRD5,1640-72	
	1.715		0.13890	0.00370		Armstrong,PRD5,1640-72	
	1.740		0.14450	0.00390		Armstrong,PRD5,1640-72	
	1.750	0.150	0.14600	0.00640		Meyer,PL33B,189-70	
	1.765		0.14250	0.00440		Armstrong,PRD5,1640-72	
	1.790		0.14150	0.00450		Armstrong,PRD5,1640-72	
	1.815		0.14240	0.00470		Armstrong,PRD5,1640-72	
	1.840		0.14320	0.00440		Armstrong,PRD5,1640-72	
	1.865		0.14860	0.00440		Armstrong,PRD5,1640-72	
	1.890		0.15390	0.00470		Armstrong,PRD5,1640-72	
	1.915		0.13540	0.00460		Armstrong,PRD5,1640-72	
	1.940		0.14800	0.00490		Armstrong,PRD5,1640-72	
	1.965		0.14430	0.00470		Armstrong,PRD5,1640-72	
	1.990		0.14350	0.00470		Armstrong,PRD5,1640-72	
	2.000		0.14170	0.00180		Armstrong,NPB41,445-72	
	2.000		0.14320	0.00270	0.00572	Michalowski,PRL39,737-77	
	2.015		0.14910	0.00480		Armstrong,PRD5,1640-72	
	2.040		0.14350	0.00520		Armstrong,PRD5,1640-72	
	2.050	0.150	0.14850	0.00670		Meyer,PL33B,189-70	
	2.065		0.13800	0.00530		Armstrong,PRD5,1640-72	
	2.090		0.13170	0.00530		Armstrong,PRD5,1640-72	
	2.115		0.14450	0.00520		Armstrong,PRD5,1640-72	
	2.140		0.13750	0.00530		Armstrong,PRD5,1640-72	
	2.165		0.14490	0.00530		Armstrong,PRD5,1640-72	
	2.190		0.13590	0.00530		Armstrong,PRD5,1640-72	
	2.200		0.13810	0.00190		Armstrong,NPB41,445-72	

Reaction	P_{lab} (GeV/c)	$\Delta P_{lab} \pm$	Cross Section	Error \pm	Syst \pm Error	Reference	Foot- Notes
9. $\gamma p \rightarrow$ Total (Continued)						(Cross section units: 10^{-27} cm ²)	
	2.215		0.13830	0.00540		Armstrong, PRD5,1640-72	
	2.240		0.13900	0.00550		Armstrong, PRD5,1640-72	
	2.253		0.14630	0.00800		Bloom, SLAC653-69	
	2.265		0.13610	0.00550		Armstrong, PRD5,1640-72	
	2.290		0.12860	0.00550		Armstrong, PRD5,1640-72	
	2.315		0.13590	0.00560		Armstrong, PRD5,1640-72	
	2.340		0.13950	0.00580		Armstrong, PRD5,1640-72	
	2.350	0.150	0.14420	0.00800		Meyer, PL33B,189-70	
	2.365		0.13270	0.00550		Armstrong, PRD5,13270	
	2.390		0.13870	0.00560		Armstrong, PRD5,1640-72	
	2.400		0.13870	0.00200		Armstrong, NPB41,445-72	
	2.415		0.14310	0.00570		Armstrong, PRD5,1640-72	
	2.440		0.14030	0.00580		Armstrong, PRD5,1640-72	
	2.465		0.14040	0.00560		Armstrong, PRD5,1640-72	
	2.490		0.13890	0.00610		Armstrong, PRD5,1640-72	
	2.500		0.13400	0.00800		Dieterle, PRL23,1191-69	
	2.515		0.14100	0.00580		Armstrong, PRD5,1640-72	
	2.540		0.13040	0.00580		Armstrong, PRD5,1640-72	
	2.565		0.13630	0.00570		Armstrong, PRD5,1640-72	
	2.590		0.12410	0.00770		Armstrong, PRD5,1640-72	
	2.600		0.13210	0.00210		Armstrong, NPB41,445-72	
	2.615		0.12840	0.00700		Armstrong, PRD5,1640-72	
	2.640		0.12990	0.00770		Armstrong, PRD5,1640-72	
	2.650	0.150	0.14200	0.00950		Meyer, PL33B,189-70	
	2.665		0.13250	0.00730		Armstrong, PRD5,1640-72	
	2.690		0.13430	0.00590		Armstrong, PRD5,1640-72	
	2.715		0.13870	0.00600		Armstrong, PRD5,1640-72	
	2.740		0.13280	0.00610		Armstrong, PRD5,1640-72	
	2.765		0.14440	0.00430		Armstrong, PRD5,1640-72	
	2.790		0.13340	0.00410		Armstrong, PRD5,1640-72	
	2.800		0.13540	0.00160		Armstrong, NPB41,445-72	
	2.800	0.500	0.13200	0.00300		Ballam, PRD5,545-72	
	2.815		0.13620	0.00380		Armstrong, PRD5,1640-72	
	2.840	0.010	0.13130	0.00430		Ballam, PRL23,498-69	
	2.840		0.13020	0.00400		Armstrong, PRD5,1640-72	
	2.865		0.13380	0.00370		Armstrong, PRD5,1640-72	
	2.888		0.14820	0.00500		Bloom, SLAC653-69	
	2.890		0.13390	0.00380		Armstrong, PRD5,1640-72	
	2.915		0.13040	0.00390		Armstrong, PRD5,1640-72	
	2.940		0.13140	0.00400		Armstrong, PRD5,1640-72	
	2.950	0.150	0.12980	0.00690		Meyer, PL33B,189-70	
	2.965		0.12870	0.00400		Armstrong, PRD5,1640-72	
	2.990		0.14040	0.00400		Armstrong, PRD5,1640-72	
	3.000		0.13380	0.00150		Armstrong, NPB41,445-72	
	3.015		0.13830	0.00410		Armstrong, PRD5,1640-72	
	3.040		0.12920	0.00430		Armstrong, PRD5,1640-72	
	3.065		0.14360	0.00400		Armstrong, PRD5,1640-72	
	3.090		0.12800	0.00420		Armstrong, PRD5,1640-72	
	3.115		0.13260	0.00400		Armstrong, PRD5,1640-72	
	3.140		0.13210	0.00440		Armstrong, PRD5,1640-72	
	3.165		0.12680	0.00500		Armstrong, PRD5,1640-72	
	3.190		0.12780	0.00510		Armstrong, PRD5,1640-72	
	3.200		0.12700	0.00170		Armstrong, NPB41,445-72	
	3.215		0.12430	0.00490		Armstrong, PRD5,1640-72	
	3.240		0.12390	0.00490		Armstrong, PRD5,1640-72	
	3.250	0.150	0.13270	0.00600		Meyer, PL33B,189-70	
	3.265		0.12710	0.00520		Armstrong, PRD5,1640-72	
	3.270		0.12680	0.00220	0.00508	Michalowski, PRL39,737-77	
	3.290		0.12130	0.00500		Armstrong, PRD5,1640-72	
	3.315		0.13380	0.00510		Armstrong, PRD5,1640-72	
	3.340		0.12870	0.00510		Armstrong, PRD5,1640-72	
	3.365		0.13430	0.00520		Armstrong, PRD5,1640-72	
	3.390		0.12310	0.00510		Armstrong, PRD5,1640-72	
	3.400		0.12910	0.00180		Armstrong, NPB41,445-72	

Reaction	P_{lab} (GeV/c)	$\Delta P_{lab} \pm$	Cross Section	Error \pm	Syst \pm Error	Reference	Foot- Notes
9. $\gamma p \rightarrow$ Total (Continued)						(Cross section units: 10^{-27} cm^2)	
	3.415		0.13170	0.00540		Armstrong,PRD5,1640-72	
	3.440		0.12140	0.00530		Armstrong,PRD5,1640-72	
	3.465		0.13700	0.00520		Armstrong,PRD5,1640-72	
	3.490		0.12320	0.00520		Armstrong,PRD5,1640-72	
	3.515		0.13010	0.00540		Armstrong,PRD5,1640-72	
	3.540		0.13480	0.00540		Armstrong,PRD5,1640-72	
	3.550	0.150	0.12720	0.00620		Meyer,PL33B,189-70	
	3.565		0.12940	0.00530		Armstrong,PRD5,1640-72	
	3.590		0.14170	0.00500		Bloom,SLAC653-69	
	3.590		0.12780	0.00600		Armstrong,PRD5,1640-72	
	3.600		0.12570	0.00200		Armstrong,NPB41,445-72	
	3.615		0.12270	0.00570		Armstrong,PRD5,1640-72	
	3.640		0.12180	0.00550		Armstrong,PRD5,1640-72	
	3.665		0.11980	0.00560		Armstrong,PRD5,1640-72	
	3.690		0.11930	0.00570		Armstrong,PRD5,1640-72	
	3.700		0.12840	0.00460		Caldwell,PRD7,1362-73	
	3.715		0.13420	0.00540		Armstrong,PRD5,1640-72	
	3.740		0.13230	0.00550		Armstrong,PRD5,1640-72	
	3.765		0.12480	0.00580		Armstrong,PRD5,1640-72	
	3.790		0.12200	0.00560		Armstrong,PRD5,1640-72	
	3.800		0.12640	0.00200		Armstrong,NPB41,445-72	
	3.815		0.11390	0.00550		Armstrong,PRD5,1640-72	
	3.840		0.12710	0.00600		Armstrong,PRD5,1640-72	
	3.850	0.150	0.13460	0.00640		Meyer,PL33B,189-70	
	3.865		0.12240	0.00590		Armstrong,PRD5,1640-72	
	3.890		0.13470	0.00590		Armstrong,PRD5,1640-72	
	3.915		0.12490	0.00570		Armstrong,PRD5,1640-72	
	3.940		0.11630	0.00580		Armstrong,PRD5,1640-72	
	3.940		0.13610	0.00490		Caldwell,PRD7,1362-73	
	3.965		0.13620	0.00610		Armstrong,PRD5,1640-72	
	3.990		0.12360	0.00630		Armstrong,PRD5,1640-72	
	4.000		0.13050	0.00210		Armstrong,NPB41,445-72	
	4.000		0.12700	0.00800		Dieterle,PRL23,1191-69	
	4.015		0.14620	0.00630		Armstrong,PRD5,1640-72	
	4.040		0.13560	0.00630		Armstrong,PRD5,1640-72	
	4.065		0.11980	0.00660		Armstrong,PRD5,1640-72	
	4.090		0.14190	0.00680		Armstrong,PRD5,1640-72	
	4.115		0.13240	0.00690		Armstrong,PRD5,1640-72	
	4.140		0.12880	0.00650		Armstrong,PRD5,1640-72	
	4.150	0.150	0.13150	0.00660		Meyer,PL33B,189-70	
	4.165		0.13360	0.00680		Armstrong,PRD5,1640-72	
	4.190		0.13350	0.00720		Armstrong,PRD5,1640-72	
	4.190		0.13290	0.00500		Caldwell,PRD7,1362-73	
	4.215		0.12660	0.00690		Armstrong,PRD5,1640-72	
	4.359		0.13680	0.00500		Bloom,SLAC653-69	
	4.430		0.12830	0.00570		Caldwell,PRD7,1362-73	
	4.450	0.150	0.12470	0.00580		Meyer,PL33B,189-70	
	4.700	0.600	0.12700	0.00300		Ballam,PRD5,545-72	
	4.700		0.12690	0.00420		Caldwell,PRD7,1362-73	
	4.750	0.150	0.12420	0.00540		Meyer,PL33B,189-70	
	4.810		0.12180	0.00220	0.00488	Michalowski,PRL39,737-77	
	5.010		0.13440	0.00440		Caldwell,PRD7,1362-73	
	5.050	0.150	0.12180	0.00450		Meyer,PL33B,189-70	
	5.195		0.13420	0.00500		Bloom,SLAC653-69	
	5.320		0.12170	0.00440		Caldwell,PRD7,1362-73	
	5.350	0.150	0.12210	0.00600		Meyer,PL33B,189-70	
	5.630		0.13010	0.00520		Caldwell,PRD7,1362-73	
	5.650	0.150	0.11840	0.00500		Meyer,PL33B,189-70	
	5.750		0.12500	0.01100		Dieterle,PRL23,1191-69	
	5.950	0.150	0.12360	0.00550		Meyer,PL33B,189-70	
	5.980		0.12070	0.00400		Caldwell,PRD7,1362-73	
	6.097		0.13320	0.00500		Bloom,SLAC653-69	
	6.210		0.11590	0.00220	0.00464	Michalowski,PRL39,737-77	
	6.250	0.150	0.12210	0.00560		Meyer,PL33B,189-70	

Reaction	P_{lab} (GeV/c)	$\Delta P_{\text{lab}} \pm$	Cross Section	Error \pm	Syst \pm Error	Reference	Foot- Notes
9. $\gamma p \rightarrow$ Total (Continued)			(Cross section units: 10^{-27} cm ²)				
	6.370		0.12860	0.00420		Caldwell,PRD7,1362-73	
	6.760		0.12010	0.00420		Caldwell,PRD7,1362-73	
	7.065		0.13400	0.00600		Bloom,SLAC653-69	
	7.160		0.11800	0.00450		Caldwell,PRD7,1362-73	
	7.500		0.12200	0.00800		Alexander,NPB68,1-74	SA
	7.680		0.12390	0.00400		Caldwell,PRD7,1362-73	
	7.790		0.12380	0.00240	0.00496	Michalowski,PRL39,737-77	
	8.100		0.12520	0.00600		Bloom,SLAC653-69	
	8.180		0.12160	0.00410		Caldwell,PRD7,1362-73	
	8.680		0.11920	0.00420		Caldwell,PRD7,1362-73	
	8.950		0.12250	0.00410		Caldwell,PRD7,1362-73	
	9.190		0.11490	0.00440		Caldwell,PRD7,1362-73	
	9.202		0.13360	0.00800		Bloom,SLAC653-69	
	9.300	1.000	0.12400	0.00250		Bingham,PRD8,1277-73	
	9.510		0.11410	0.00280	0.00456	Michalowski,PRL39,737-77	
	9.540		0.12350	0.00420		Caldwell,PRD7,1362-73	
	9.750		0.11710	0.00400		Caldwell,PRD7,1362-73	
	10.120		0.12220	0.00420		Caldwell,PRD7,1362-73	
	10.371		0.13040	0.00700		Bloom,SLAC653-69	
	10.390		0.12810	0.00430		Caldwell,PRD7,1362-73	
	10.710		0.11210	0.00460		Caldwell,PRD7,1362-73	
	11.030		0.12790	0.00440		Caldwell,PRD7,1362-73	
	11.380		0.12140	0.00400		Caldwell,PRD7,1362-73	
	11.606		0.12830	0.00900		Bloom,SLAC653-69	
	11.670		0.12220	0.00460		Caldwell,PRD7,1362-73	
	12.120		0.11530	0.00400		Caldwell,PRD7,1362-73	
	12.390		0.11500	0.00450		Caldwell,PRD7,1362-73	
	12.860		0.11620	0.00410		Caldwell,PRD7,1362-73	
	12.907		0.11930	0.01200		Bloom,SLAC653-69	
	13.200		0.11110	0.00450		Caldwell,PRD7,1362-73	
	13.610		0.11770	0.00480		Caldwell,PRD7,1362-73	
	14.010		0.11930	0.00490		Caldwell,PRD7,1362-73	
	14.820		0.11330	0.00580		Caldwell,PRD7,1362-73	
	14.920		0.11270	0.00420		Caldwell,PRD7,1362-73	
	15.890		0.11490	0.00450		Caldwell,PRD7,1362-73	
	16.870		0.11250	0.00590		Caldwell,PRD7,1362-73	
	17.840		0.11520	0.00810		Caldwell,PRD7,1362-73	
	18.300		0.11691	0.00070	0.00082	Caldwell,PRL40,1222-78	
	23.200		0.11537	0.00074	0.00081	Caldwell,PRL40,1222-78	
	27.700		0.11374	0.00103	0.00080	Caldwell,PRL40,1222-78	
	30.900		0.11434	0.00109	0.00080	Caldwell,PRL40,1222-78	
	31.400		0.11419	0.00055	0.00080	Caldwell,PRL40,1222-78	
	34.200		0.11484	0.00110	0.00080	Caldwell,PRL40,1222-78	
	36.500		0.11218	0.00141	0.00079	Caldwell,PRL40,1222-78	
	37.900		0.11350	0.00060	0.00079	Caldwell,PRL40,1222-78	
	43.900		0.11457	0.00083	0.00080	Caldwell,PRL40,1222-78	
	44.500		0.11484	0.00050	0.00080	Caldwell,PRL40,1222-78	
	48.400		0.11457	0.00087	0.00080	Caldwell,PRL40,1222-78	
	52.600		0.11425	0.00088	0.00080	Caldwell,PRL40,1222-78	
	54.900		0.11311	0.00054	0.00079	Caldwell,PRL40,1222-78	
	55.600		0.11406	0.00114	0.00080	Caldwell,PRL40,1222-78	
	64.300		0.11481	0.00076	0.00080	Caldwell,PRL40,1222-78	
	67.900		0.11458	0.00056	0.00080	Caldwell,PRL40,1222-78	
	71.400		0.11400	0.00079	0.00080	Caldwell,PRL40,1222-78	
	77.900		0.11402	0.00079	0.00080	Caldwell,PRL40,1222-78	
	82.400		0.11661	0.00102	0.00082	Caldwell,PRL40,1222-78	
	83.900		0.11589	0.00061	0.00081	Caldwell,PRL40,1222-78	
	98.600		0.11559	0.00089	0.00081	Caldwell,PRL40,1222-78	
	98.900		0.11585	0.00074	0.00081	Caldwell,PRL40,1222-78	
	109.100		0.11382	0.00089	0.00080	Caldwell,PRL40,1222-78	
	118.800		0.11652	0.00099	0.00082	Caldwell,PRL40,1222-78	
	121.800		0.11637	0.00087	0.00081	Caldwell,PRL40,1222-78	

SA = Systematic error included

Reaction	P_{lab} (GeV/c)	$\Delta P_{\text{lab}} \pm$	Cross Section	Error \pm	Syst \pm Error	Reference	Foot- Notes
9. $\gamma p \rightarrow$ Total (Continued)							
						(Cross section units: 10^{-27} cm^2)	
	126.000		0.11430	0.00113	0.00080	Caldwell,PRL40,1222-78	
	142.000		0.11580	0.00131	0.00081	Caldwell,PRL40,1222-78	
	157.800		0.11978	0.00130	0.00084	Caldwell,PRL40,1222-78	
	172.200		0.11637	0.00134	0.00081	Caldwell,PRL40,1222-78	
	182.700		0.11849	0.00162	0.00083	Caldwell,PRL40,1222-78	
10. $\gamma p \rightarrow$ Elastic							
						(Cross section units: 10^{-27} cm^2)	
	0.240		$0.691 \cdot 10^{-3}$	$0.103 \cdot 10^{-3}$	$0.300 \cdot 10^{-4}$	Genzel,ZP279,399-76	
	0.280		$0.173 \cdot 10^{-2}$	$0.148 \cdot 10^{-3}$	$0.760 \cdot 10^{-4}$	Genzel,ZP279,399-76	
	0.320		$0.275 \cdot 10^{-2}$	$0.176 \cdot 10^{-3}$	$0.121 \cdot 10^{-3}$	Genzel,ZP279,399-76	
	0.360		$0.213 \cdot 10^{-2}$	$0.148 \cdot 10^{-3}$	$0.940 \cdot 10^{-4}$	Genzel,ZP279,399-76	
	0.400		$0.146 \cdot 10^{-2}$	$0.126 \cdot 10^{-3}$	$0.640 \cdot 10^{-4}$	Genzel,ZP279,399-76	
	0.440		$0.144 \cdot 10^{-2}$	$0.980 \cdot 10^{-4}$	$0.630 \cdot 10^{-4}$	Genzel,ZP279,399-76	
11. $\gamma p \rightarrow$ Strange Particles							
						(Cross section units: 10^{-27} cm^2)	
	1.750	0.150	0.00520	0.00060	0.00078	Struczinski,NPB108,45-76	
	2.000	0.100	0.00590	0.00070	0.00088	Struczinski,NPB108,45-76	
	2.200	0.100	0.00590	0.00070	0.00088	Struczinski,NPB108,45-76	
	2.450	0.150	0.00690	0.00060	0.00103	Struczinski,NPB108,45-76	
	2.925	0.325	0.00650	0.00050	0.00097	Struczinski,NPB108,45-76	
	3.625	0.375	0.00910	0.00080	0.00136	Struczinski,NPB108,45-76	
	4.500	0.500	0.00840	0.00080	0.00126	Struczinski,NPB108,45-76	
	5.650	0.650	0.00870	0.00090	0.00130	Struczinski,NPB108,45-76	
12. $\gamma p \rightarrow$ 1 Prongs							
						(Cross section units: 10^{-27} cm^2)	
	1.443	0.025	0.05490	0.00320		Ballam,PRD5,545-72	
	2.800	0.500	0.02290	0.00150		Ballam,PRD5,545-72	
	4.700	0.600	0.01580	0.00120		Ballam,PRD5,545-72	
	7.500		0.01180	0.00200		Alexander,NPB68,1-74	
	9.300	1.000	0.00850	0.00110		Bingham,PRD8,1277-73	
13. $\gamma p \rightarrow$ 1 Prongs Λ							
	20.000	2.000	$0.737 \cdot 10^{-3}$	$0.500 \cdot 10^{-4}$		(Cross section units: 10^{-27} cm^2) Abe,PRD29,1877-84	
14. $\gamma p \rightarrow$ 1 Prongs K_s^0							
	20.000	2.000	$0.101 \cdot 10^{-2}$	$0.570 \cdot 10^{-4}$		(Cross section units: 10^{-27} cm^2) Abe,PRD29,1877-84	
15. $\gamma p \rightarrow$ 1 Prongs $\bar{\Lambda}$							
	20.000	2.000	$0.720 \cdot 10^{-4}$	$0.150 \cdot 10^{-4}$		(Cross section units: 10^{-27} cm^2) Abe,PRD29,1877-84	
16. $\gamma p \rightarrow$ 3 Prongs							
						(Cross section units: 10^{-27} cm^2)	
	1.443	0.025	0.08560	0.00370		Ballam,PRL23,498-69	
	1.750	0.150	0.09350	0.00380	0.01402	Struczinski,NPB108,45-76	
	2.000	0.100	0.09510	0.00400	0.01426	Struczinski,NPB108,45-76	
	2.200	0.100	0.09710	0.00430	0.01456	Struczinski,NPB108,45-76	
	2.450	0.150	0.09410	0.00320	0.01412	Struczinski,NPB108,45-76	
	2.800	0.500	0.09300	0.00220		Ballam,PRD5,545-72	
	2.925	0.325	0.09280	0.00310	0.01392	Struczinski,NPB108,45-76	
	3.625	0.375	0.08710	0.00360	0.01306	Struczinski,NPB108,45-76	
	4.500	0.500	0.07820	0.00500	0.01173	Struczinski,NPB108,45-76	
	4.700	0.600	0.08280	0.00190		Ballam,PRD5,545-72	
	5.650	0.650	0.07340	0.00530	0.01101	Struczinski,NPB108,45-76	
	7.500		0.06200	0.00400		Alexander,NPB68,1-74	
	9.300	1.000	0.06410	0.01500		Bingham,PRD8,1277-73	
17. $\gamma p \rightarrow$ 3 Prongs Λ							
	20.000	2.000	$0.253 \cdot 10^{-2}$	$0.123 \cdot 10^{-3}$		(Cross section units: 10^{-27} cm^2) Abe,PRD29,1877-84	
18. $\gamma p \rightarrow$ 3 Prongs K_s^0							
	20.000	2.000	$0.411 \cdot 10^{-2}$	$0.160 \cdot 10^{-3}$		(Cross section units: 10^{-27} cm^2) Abe,PRD29,1877-84	

Reaction	P_{lab} (GeV/c)	$\Delta P_{\text{lab}} \pm$	Cross Section	Error \pm	Syst \pm Error	Reference	Foot- Notes
19. $\gamma p \rightarrow 3$ Prongs $\bar{\Lambda}$	20.000	2.000	$0.750 \cdot 10^{-4}$	$0.260 \cdot 10^{-4}$		(Cross section units: 10^{-27} cm^2) Abe, PRD29,1877-84	
20. $\gamma p \rightarrow 5$ Prongs						(Cross section units: 10^{-27} cm^2)	
	1.750	0.150	0.00330	0.00050	0.00049	Struczinski, NPB108,45-76	
	2.000	0.100	0.00360	0.00050	0.00054	Struczinski, NPB108,45-76	
	2.200	0.100	0.00320	0.00050	0.00048	Struczinski, NPB108,45-76	
	2.450	0.150	0.00640	0.00050	0.00096	Struczinski, NPB108,45-76	
	2.800	0.500	0.00840	0.00040		Ballam, PRD5,545-72	
	2.925	0.325	0.01000	0.00070	0.00150	Struczinski, NPB108,45-76	
	3.625	0.375	0.01400	0.00110	0.00210	Struczinski, NPB108,45-76	
	4.500	0.500	0.02060	0.00130	0.00309	Struczinski, NPB108,45-76	
	4.700	0.600	0.01910	0.00070		Ballam, PRD5,545-72	
	5.650	0.650	0.02550	0.00160	0.00382	Struczinski, NPB108,45-76	
	7.500	0.400	0.04160	0.00600		Ballam, PRL21,1544-68	
	7.500		0.02700	0.00300		Alexander, NPB68,1-74	
	9.300	1.000	0.03420	0.00090		Bingham, PRD8,1277-73	
21. $\gamma p \rightarrow 5$ Prongs Λ	20.000	2.000	$0.173 \cdot 10^{-2}$	$0.920 \cdot 10^{-4}$		(Cross section units: 10^{-27} cm^2) Abe, PRD29,1877-84	
22. $\gamma p \rightarrow 5$ Prongs K_S^0	20.000	2.000	$0.315 \cdot 10^{-2}$	$0.125 \cdot 10^{-3}$		(Cross section units: 10^{-27} cm^2) Abe, PRD29,1877-84	
23. $\gamma p \rightarrow 5$ Prongs $\bar{\Lambda}$	20.000	2.000	$0.620 \cdot 10^{-4}$	$0.130 \cdot 10^{-4}$		(Cross section units: 10^{-27} cm^2) Abe, PRD29,1877-84	
24. $\gamma p \rightarrow 7$ Prongs						(Cross section units: 10^{-27} cm^2)	
	2.800	0.500	$0.500 \cdot 10^{-4}$	$0.300 \cdot 10^{-4}$		Ballam, PRD5,545-72	
	2.925	0.325	$0.200 \cdot 10^{-3}$	$0.100 \cdot 10^{-3}$	$0.300 \cdot 10^{-4}$	Struczinski, NPB108,45-76	
	3.625	0.375	$0.600 \cdot 10^{-3}$	$0.200 \cdot 10^{-3}$	$0.900 \cdot 10^{-4}$	Struczinski, NPB108,45-76	
	4.500	0.500	$0.110 \cdot 10^{-2}$	$0.200 \cdot 10^{-3}$	$0.170 \cdot 10^{-3}$	Struczinski, NPB108,45-76	
	4.700	0.600	$0.670 \cdot 10^{-3}$	$0.170 \cdot 10^{-3}$		Ballam, PRD5,545-72	
	5.650	0.650	0.00210	0.00030	0.00032	Struczinski, NPB108,45-76	
	7.500	0.400	0.02110	0.00150		Ballam, PRL21,1544-68	
	7.500		0.00550	0.00100		Alexander, NPB68,1-74	
	9.300	1.000	0.00680	0.00030		Bingham, PRD8,1277-73	
25. $\gamma p \rightarrow 7$ Prongs Λ	20.000	2.000	$0.530 \cdot 10^{-3}$	$0.410 \cdot 10^{-4}$		(Cross section units: 10^{-27} cm^2) Abe, PRD29,1877-84	
26. $\gamma p \rightarrow 7$ Prongs K_S^0	20.000	2.000	$0.101 \cdot 10^{-2}$	$0.550 \cdot 10^{-4}$		(Cross section units: 10^{-27} cm^2) Abe, PRD29,1877-84	
27. $\gamma p \rightarrow 7$ Prongs $\bar{\Lambda}$	20.000	2.000	$0.210 \cdot 10^{-4}$	$0.700 \cdot 10^{-5}$		(Cross section units: 10^{-27} cm^2) Abe, PRD29,1877-84	
28. $\gamma p \rightarrow 9$ Prongs						(Cross section units: 10^{-27} cm^2)	
	7.500		$0.500 \cdot 10^{-3}$	$0.100 \cdot 10^{-3}$		Alexander, NPB68,1-74	
	9.300	1.000	$0.610 \cdot 10^{-3}$	$0.800 \cdot 10^{-4}$		Bingham, PRD8,1277-73	
29. $\gamma p \rightarrow 9$ Prongs Λ	20.000	2.000	$0.730 \cdot 10^{-4}$	$0.130 \cdot 10^{-4}$		(Cross section units: 10^{-27} cm^2) Abe, PRD29,1877-84	
30. $\gamma p \rightarrow 9$ Prongs K_S^0	20.000	2.000	$0.132 \cdot 10^{-3}$	$0.170 \cdot 10^{-4}$		(Cross section units: 10^{-27} cm^2) Abe, PRD29,1877-84	
31. $\gamma p \rightarrow 11$ Prongs K_S^0	20.000	2.000	$0.340 \cdot 10^{-4}$	$0.160 \cdot 10^{-4}$		(Cross section units: 10^{-27} cm^2) Abe, PRD29,1877-84	
32. $\gamma p \rightarrow \Xi^-$ Anything	20.000		$0.117 \cdot 10^{-3}$	$0.170 \cdot 10^{-4}$		(Cross section units: 10^{-27} cm^2) Abe, PRD32,2869-85	EL

EL = Errors include both statistical and systematic contributions

Reaction	P_{lab} (GeV/c)	$\Delta P_{\text{lab}} \pm$	Cross Section	Error \pm	Syst \pm Error	Reference	Foot- Notes
33. $\gamma p \rightarrow \Lambda K^+$						(Cross section units: 10^{-27} cm^2)	
	0.955	0.045	0.00140	0.00037		Erbe,PR188,2060-69	
	1.050	0.050	0.00136	0.00036		Erbe,PR188,2060-69	
	1.150	0.050	0.00185	0.00045		Erbe,PR188,2060-69	
	1.250	0.050	0.00216	0.00051		Erbe,PR188,2060-69	
	1.350	0.050	0.00211	0.00053		Erbe,PR188,2060-69	
	1.450	0.050	0.00140	0.00044		Erbe,PR188,2060-69	
	1.550	0.050	0.00142	0.00047		Erbe,PR188,2060-69	
	1.650	0.050	0.00204	0.00059		Erbe,PR188,2060-69	
	1.750	0.050	0.00127	0.00048		Erbe,PR188,2060-69	
	1.850	0.050	0.00120	0.00049		Erbe,PR188,2060-69	
	1.950	0.050	0.00151	0.00057		Erbe,PR188,2060-69	
	2.200	0.200	$0.500 \cdot 10^{-3}$	$0.190 \cdot 10^{-3}$		Erbe,PR188,2060-69	
	2.600	0.200	$0.460 \cdot 10^{-3}$	$0.190 \cdot 10^{-3}$		Erbe,PR188,2060-69	
	3.000	0.200	0.00060	0.00025		Erbe,PR188,2060-69	
	3.400	0.200	0.00078	0.00029		Erbe,PR188,2060-69	
	4.700	1.100	$0.120 \cdot 10^{-3}$	$0.600 \cdot 10^{-4}$		Erbe,PR188,2060-69	
Threshold	0.912						
34. $\gamma p \rightarrow \Lambda K^0_s$ Anything	20.000		$0.113 \cdot 10^{-2}$	$0.590 \cdot 10^{-4}$		(Cross section units: 10^{-27} cm^2) Abe,PRD32,2869-85	EL
35. $\gamma p \rightarrow \Lambda \bar{\Lambda}$ Anything	20.000		$0.126 \cdot 10^{-3}$	$0.380 \cdot 10^{-4}$		(Cross section units: 10^{-27} cm^2) Abe,PRD32,2869-85	EL
36. $\gamma p \rightarrow \Lambda$ Anything	20.000		$0.560 \cdot 10^{-2}$	$0.180 \cdot 10^{-3}$		(Cross section units: 10^{-27} cm^2) Abe,PRD32,2869-85	EL
37. $\gamma p \rightarrow 2 \Lambda$ Anything	20.000		$0.280 \cdot 10^{-4}$	$0.140 \cdot 10^{-4}$		(Cross section units: 10^{-27} cm^2) Abe,PRD32,2869-85	EL
38. $\gamma p \rightarrow \Lambda_{1520} K^+$						(Cross section units: 10^{-27} cm^2)	
	2.900	0.100	$0.800 \cdot 10^{-3}$	$0.120 \cdot 10^{-3}$		Barber,ZPC7,17-80	
	3.100	0.100	$0.880 \cdot 10^{-3}$	$0.120 \cdot 10^{-3}$		Barber,ZPC7,17-80	
	3.300	0.100	$0.670 \cdot 10^{-3}$	$0.100 \cdot 10^{-3}$		Barber,ZPC7,17-80	
	3.500	0.100	$0.500 \cdot 10^{-3}$	$0.800 \cdot 10^{-4}$		Barber,ZPC7,17-80	
	3.700	0.100	$0.400 \cdot 10^{-3}$	$0.500 \cdot 10^{-4}$		Barber,ZPC7,17-80	
	3.900	0.100	$0.450 \cdot 10^{-3}$	$0.500 \cdot 10^{-4}$		Barber,ZPC7,17-80	
	4.100	0.100	$0.400 \cdot 10^{-3}$	$0.500 \cdot 10^{-4}$		Barber,ZPC7,17-80	
	4.300	0.100	$0.320 \cdot 10^{-3}$	$0.300 \cdot 10^{-4}$		Barber,ZPC7,17-80	
	4.500	0.100	$0.250 \cdot 10^{-3}$	$0.200 \cdot 10^{-4}$		Barber,ZPC7,17-80	
	4.700	0.100	$0.250 \cdot 10^{-3}$	$0.400 \cdot 10^{-4}$		Barber,ZPC7,17-80	
Threshold	1.690						
39. $\gamma p \rightarrow \Lambda_{1520}$ Anything	3.400	1.400	0.00630	0.00220		(Cross section units: 10^{-27} cm^2) Crouch,PR113,636-64	
40. $\gamma p \rightarrow \Sigma^+ K^0$						(Cross section units: 10^{-27} cm^2)	
	1.180	0.120	0.00069	0.00031		Erbe,PR188,2060-69	
Threshold	1.046						
41. $\gamma p \rightarrow \Sigma^0 K^+$						(Cross section units: 10^{-27} cm^2)	
	1.125	0.075	$0.620 \cdot 10^{-3}$	$0.190 \cdot 10^{-3}$		Erbe,PR188,2060-69	
	1.250	0.050	0.00088	0.00033		Erbe,PR188,2060-69	
	1.350	0.050	0.00193	0.00050		Erbe,PR188,2060-69	
	1.450	0.050	0.00206	0.00055		Erbe,PR188,2060-69	
	1.600	0.100	0.00132	0.00033		Erbe,PR188,2060-69	
	1.850	0.150	0.00090	0.00024		Erbe,PR188,2060-69	
	2.500	0.500	$0.290 \cdot 10^{-3}$	$0.800 \cdot 10^{-4}$		Erbe,PR188,2060-69	
	4.400	1.400	$0.100 \cdot 10^{-3}$	$0.400 \cdot 10^{-4}$		Erbe,PR188,2060-69	
Threshold	1.046						

EL = Errors include both statistical and systematic contributions

Reaction	P_{lab} (GeV/c)	$\Delta P_{\text{lab}} \pm$	Cross Section	Error \pm	Syst \pm Error	Reference	Foot- Notes
42. $\gamma p \rightarrow \Sigma^0$ Anything	20.000		0.00165	0.00044		(Cross section units: 10^{-27} cm^2) Abe, PRD32,2869-85	EL
43. $\gamma p \rightarrow \Sigma_{1385}$ Anything	3.400	1.400	0.00490	0.00250		(Cross section units: 10^{-27} cm^2) Crouch, PRL13,636-64	
44. $\gamma p \rightarrow \Sigma^+_{1385} K^0$	1.710	0.290	0.00068	0.00048		(Cross section units: 10^{-27} cm^2) Erbe, PR188,2060-69	
$\Sigma^+_{1385} \rightarrow [\Lambda \pi^+]$	2.500	0.500	0.00040	0.00020		Erbe, NCA49,504-67	
	3.900	1.900	$0.130 \cdot 10^{-3}$	$0.900 \cdot 10^{-4}$		Erbe, PR188,2060-69	
Threshold	1.412						
45. $\gamma p \rightarrow \Sigma^+_{1385}$ Anything	20.000		$0.600 \cdot 10^{-3}$	$0.100 \cdot 10^{-3}$		(Cross section units: 10^{-27} cm^2) Abe, PRD29,1877-84	
	20.000		$0.630 \cdot 10^{-3}$	$0.600 \cdot 10^{-4}$		Abe, PRD32,2869-85	EL
46. $\gamma p \rightarrow \Sigma^0_{1385} K^+$	1.710	0.290	0.00067	0.00027		(Cross section units: 10^{-27} cm^2) Erbe, PR188,2060-69	
$\Sigma^0_{1385} \rightarrow [\Lambda \pi^0]$	2.500	0.500	0.00045	0.00020		Erbe, NCA49,504-67	
$\Sigma^0_{1385} \rightarrow \text{idem}$	3.000	0.500	0.00030	0.00020		Crouch, PR156,1426-67	
	3.900	1.900	$0.150 \cdot 10^{-3}$	$0.900 \cdot 10^{-4}$		Erbe, PR188,2060-69	
$\Sigma^0_{1385} \rightarrow \text{idem}$	4.400	1.400	$0.220 \cdot 10^{-3}$	$0.100 \cdot 10^{-3}$		Erbe, NCA49,504-67	
Threshold	1.406						
47. $\gamma p \rightarrow \Sigma^-_{1385}$ Anything	20.000		$0.360 \cdot 10^{-3}$	$0.800 \cdot 10^{-4}$		(Cross section units: 10^{-27} cm^2) Abe, PRD29,1877-84	
	20.000		$0.330 \cdot 10^{-3}$	$0.500 \cdot 10^{-4}$		Abe, PRD32,2869-85	EL
48. $\gamma p \rightarrow p \pi^+ \pi^0 \pi^-$	1.443	0.025	0.02040	0.00200		(Cross section units: 10^{-27} cm^2) Ballam, PRD5,545-72	
	1.750	0.150	0.02590	0.00170	0.00388	Struczinski, NPB108,45-76	
	2.000	0.100	0.02500	0.00180	0.00375	Struczinski, NPB108,45-76	
	2.200	0.100	0.02600	0.00210	0.00390	Struczinski, NPB108,45-76	
	2.450	0.150	0.02360	0.00130	0.00354	Struczinski, NPB108,45-76	
	2.800	0.500	0.02490	0.00150		Ballam, PRD5,545-72	
	2.925	0.325	0.02320	0.00130	0.00348	Struczinski, NPB108,45-76	
	3.625	0.375	0.01880	0.00140	0.00282	Struczinski, NPB108,45-76	
	4.200	0.500	0.01820	0.00200		Eisenberg, PRD5,15-72	
	4.300		0.01820	0.00200		Eisenberg, PRD5,15-72	
	4.500	0.500	0.01800	0.00160	0.00270	Struczinski, NPB108,45-76	
	4.700	0.600	0.01510	0.00150		Ballam, PRD5,545-72	
	5.250	0.550	0.01350	0.00150		Eisenberg, PRD5,15-72	
	5.650	0.650	0.01440	0.00150	0.00216	Struczinski, NPB108,45-76	
	7.500	0.700	0.01180	0.00120		Ballam, PRL26,995-71	
	7.500	0.700	0.01180	0.00120		Eisenberg, PRD5,15-72	
	9.300	1.000	0.00750	0.00080		Bingham, PRD8,1277-73	
Threshold	0.506						
49. $\gamma p \rightarrow p \pi^+ \pi^0 \pi^- \rho^0$	3.625	0.375	$0.800 \cdot 10^{-3}$	$0.200 \cdot 10^{-3}$	$0.120 \cdot 10^{-3}$	(Cross section units: 10^{-27} cm^2) Struczinski, NPB108,45-76	
	5.000	1.000	$0.110 \cdot 10^{-2}$	$0.300 \cdot 10^{-3}$	$0.170 \cdot 10^{-3}$	Struczinski, NPB108,45-76	
Threshold	1.962						
50. $\gamma p \rightarrow p \pi^+ \pi^-$	0.373	0.021	0.00110	0.00040		(Cross section units: 10^{-27} cm^2) Carbonara, NCA36,219-76	
	0.416	0.021	0.00400	0.00080		Carbonara, NCA36,219-76	
	0.450	0.050	0.00900	0.00100		Eisenberg, PRD5,15-72	
	0.458	0.021	0.01470	0.00170		Carbonara, NCA36,219-76	
	0.501	0.021	0.03070	0.00260		Carbonara, NCA36,219-76	
	0.544	0.021	0.04430	0.00320		Carbonara, NCA36,219-76	
	0.550	0.050	0.04760	0.00300		Eisenberg, PRD5,15-72	

EL = Errors include both statistical and systematic contributions

Reaction	P_{lab} (GeV/c)	$\Delta P_{\text{lab}} \pm$	Cross Section	Error \pm	Syst \pm Error	Reference	Foot- Notes
50. $\gamma p \rightarrow p \pi^+ \pi^-$ (Continued)						(Cross section units: 10^{-27} cm^2)	
	0.586	0.021	0.06200	0.00410		Carbonara,NCA36,219-76	
	0.629	0.021	0.07100	0.00460		Carbonara,NCA36,219-76	
	0.672	0.021	0.06320	0.00470		Carbonara,NCA36,219-76	
	0.714	0.021	0.06460	0.00490		Carbonara,NCA36,219-76	
	0.756	0.022	0.07420	0.00560		Carbonara,NCA36,219-76	
	0.799	0.021	0.06650	0.00590		Carbonara,NCA36,219-76	
	0.800	0.200	0.07720	0.00350		Eisenberg,PRD5,15-72	
	0.842	0.021	0.08150	0.00730		Carbonara,NCA36,219-76	
	0.885	0.021	0.08150	0.00850		Carbonara,NCA36,219-76	
	0.927	0.021	0.07530	0.00990		Carbonara,NCA36,219-76	
	0.934		0.07890	0.00290		Hauser,PR160,1215-67	
	0.985		0.07690	0.00330		Hauser,PR160,1215-67	
	1.034		0.07530	0.00570		Hauser,PR160,1215-67	
	1.086		0.07150	0.00500		Hauser,PR160,1215-67	
	1.100	0.100	0.07020	0.00400		Eisenberg,PRD5,15-72	
	1.136		0.07140	0.00450		Hauser,PR160,1215-67	
	1.187		0.06060	0.00420		Hauser,PR160,1215-67	
	1.236		0.06110	0.00480		Hauser,PR160,1215-67	
	1.250	0.250	0.06350	0.00700		Davier,PRL21,841-68	
	1.289		0.05910	0.00520		Hauser,PR160,1215-67	
	1.350	0.150	0.06000	0.00350		Eisenberg,PRD5,15-72	
	1.443	0.025	0.05760	0.00330		Ballam,PRD5,545-72	
	1.750	0.150	0.04170	0.00230	0.00625	Struczinski,NPB108,45-76	
	1.750	0.250	0.04100	0.00480		Davier,PRL21,841-68	
	1.750	0.250	0.04950	0.00300		Eisenberg,PRD5,15-72	
	2.000	0.100	0.03970	0.00240	0.00595	Struczinski,NPB108,45-76	
	2.200	0.100	0.03850	0.00240	0.00577	Struczinski,NPB108,45-76	
	2.250	0.250	0.03650	0.00200		Eisenberg,PRD5,15-72	
	2.450	0.150	0.03380	0.00170	0.00507	Struczinski,NPB108,45-76	
	2.500	0.500	0.03270	0.00320		Davier,PRL21,841-68	
	2.750	0.250	0.03120	0.00220		Eisenberg,PRD5,15-72	
	2.800		0.03140	0.00130		Bingham,PRL24,955-70	
	2.800	0.500	0.03090	0.00120		Ballam,PRD5,545-72	
	2.925	0.325	0.02810	0.00160	0.00421	Struczinski,NPB108,45-76	
	3.250	0.250	0.02680	0.00200		Eisenberg,PRD5,15-72	
	3.500	0.500	0.02700	0.00310		Davier,PRL21,841-68	
	3.625	0.375	0.02340	0.00120	0.00351	Struczinski,NPB108,45-76	
	3.750	0.250	0.02530	0.00250		Eisenberg,PRD5,15-72	
	4.250	0.250	0.02070	0.00200		Eisenberg,PRD5,15-72	
	4.300		0.02330	0.00130		Eisenberg,PRL22,669-69	
	4.500	0.500	0.02250	0.00200	0.00337	Struczinski,NPB108,45-76	
	4.700		0.02020	0.00080		Bingham,PRL24,955-70	
	4.700	0.600	0.02050	0.00080		Ballam,PRD5,545-72	
	5.000	1.000	0.02290	0.00310		Davier,PRL21,841-68	
	5.150	1.050	0.02090	0.00170		Struczinsky,NPB57,1-73	
	5.250	0.750	0.01900	0.00100		Eisenberg,PRD5,15-72	
	5.650	0.650	0.01950	0.00180	0.00292	Struczinski,NPB108,45-76	
	6.250	0.750	0.01541	0.00118	0.00176	Park,NPB36,404-72	
	6.500	0.500	0.01580	0.00200		Eisenberg,PRD5,15-72	
	7.000	2.000	0.01505	0.00132	0.00163	Park,NPB36,404-72	
	7.000	1.000	0.02000	0.00370		Davier,PRL21,841-68	
	7.500	0.250	0.01450	0.00120		Alexander,NPB104,397-761	
	7.500	0.400	0.01600	0.00200		Ballam,PRL21,1541-68	
	9.000	1.000	0.01450	0.00250		Eisenberg,PRD5,15-72	
	9.300	1.000	0.01470	0.00060		Bingham,PRD8,1277-73	
	10.000	2.000	0.01550	0.00330		Davier,PRL21,841-68	
	10.500	1.500	0.01435	0.00128	0.00164	Park,NPB36,404-72	
	14.000	2.000	0.01280	0.00520		Davier,PRL21,841-68	
	15.000	3.000	0.01437	0.00117	0.00178	Park,NPB36,404-72	
	20.000		0.01110	0.00090		Abe,PRL53,751-84	
Threshold	0.321						

1 = Using a Deuterium target

Reaction	P_{lab} (GeV/c)	$\Delta P_{\text{lab}} \pm$	Cross Section	Error \pm	Syst \pm Error	Reference	Foot- Notes
51. $\gamma p \rightarrow p \pi^+ \pi^- \eta$							
	2.350	0.250	0.00140	0.00030		(Cross section units: 10^{-27} cm^2) Struczinski,NPB108,45-76	
	2.925	0.325	0.00280	0.00040	0.00042	Struczinski,NPB108,45-76	
$\eta \rightarrow [\pi^+ \pi^- \pi^0]$	3.000	0.500	0.00170	0.00110		Erbe,PR188,2060-69	
	3.625	0.375	$0.100 \cdot 10^{-2}$	$0.300 \cdot 10^{-3}$	$0.150 \cdot 10^{-3}$	Struczinski,NPB108,45-76	
$\eta \rightarrow \text{idem}$	4.000	0.500	0.00280	0.00140		Erbe,PR188,2060-69	
	5.000	1.000	$0.110 \cdot 10^{-2}$	$0.400 \cdot 10^{-3}$	$0.170 \cdot 10^{-3}$	Struczinski,NPB108,45-76	
$\eta \rightarrow \text{idem}$	5.150	0.650	0.00250	0.00130		Erbe,PR188,2060-69	
Threshold	1.193						
52. $\gamma p \rightarrow p \pi^+ \pi^- \rho^0$							
	2.925	0.325	0.00140	0.00060	0.00021	(Cross section units: 10^{-27} cm^2) Struczinski,NPB108,45-76	
$\rho^0 \rightarrow [\pi^+ \pi^-]$	3.000	0.500	0.00110	0.00060		Erbe,PR188,2060-69	
$\rho^0 \rightarrow \text{idem}$	3.200	0.500	0.00270	0.00050		Alexander,PRD8,1965-73	
	3.625	0.375	0.00200	0.00070	0.00030	Struczinski,NPB108,45-76	
$\rho^0 \rightarrow \text{idem}$	4.000	0.500	0.00290	0.00080		Erbe,PR188,2060-69	
$\rho^0 \rightarrow \text{idem}$	4.200	0.500	0.00250	0.00040		Alexander,PRD8,1965-73	
$\rho^0 \rightarrow \text{idem}$	4.300		0.00310	0.00110		Eisenberg,PRL22,669-69	
	4.500	0.500	0.00310	0.00080	0.00047	Struczinski,NPB108,45-76	
$\rho^0 \rightarrow \text{idem}$	5.150	0.650	0.00320	0.00150		Erbe,PR188,2060-69	
$\rho^0 \rightarrow \text{idem}$	5.250		0.00270	0.00080		Ballam,PL30B,421-69	
$\rho^0 \rightarrow \text{idem}$	5.250	0.550	0.00210	0.00050		Alexander,PRD8,1965-73	
	5.500	0.500	0.00330	0.00080	0.00050	Struczinski,NPB108,45-76	
$\rho^0 \rightarrow \text{idem}$	7.500	0.700	0.00360	0.00090		Alexander,PRD8,1965-73	
Threshold	1.665						
53. $\gamma p \rightarrow p \pi^+ \pi^- \omega$							
						(Cross section units: 10^{-27} cm^2)	
$\omega \rightarrow [\pi^+ \pi^- \pi^0]$	1.800	0.700	$0.200 \cdot 10^{-3}$	$0.100 \cdot 10^{-3}$		Erbe,PR188,2060-69	
	2.350	0.250	$0.500 \cdot 10^{-3}$	$0.200 \cdot 10^{-3}$	$0.800 \cdot 10^{-4}$	Struczinski,NPB108,45-76	
	2.925	0.325	0.00180	0.00030	0.00027	Struczinski,NPB108,45-76	
$\omega \rightarrow \text{idem}$	3.000	0.500	0.00180	0.00050		Erbe,PR188,2060-69	
	3.625	0.375	0.00200	0.00030	0.00030	Struczinski,NPB108,45-76	
$\omega \rightarrow \text{idem}$	4.000	0.500	0.00380	0.00080		Erbe,PR188,2060-69	
$\omega \rightarrow \text{idem}$	4.300		0.00160	0.00050		Eisenberg,PRL22,669-69	
	5.000	1.000	0.00160	0.00020	0.00024	Struczinski,NPB108,45-76	
$\omega \rightarrow \text{idem}$	5.150	0.650	0.00320	0.00150		Erbe,PR188,2060-69	
$\omega \rightarrow \text{idem}$	5.250		0.00167	0.00044		Ballam,PL30B,421-69	
Threshold	1.667						
54. $\gamma p \rightarrow p \pi^+ \pi^- \phi$							
						(Cross section units: 10^{-27} cm^2)	
$\phi \rightarrow [K^+ K^-]$	4.000	0.500	$0.200 \cdot 10^{-3}$	$0.100 \cdot 10^{-3}$		Erbe,PR188,2060-69	
$\phi \rightarrow \text{idem}$	5.150	0.650	0.00060	0.00020		Erbe,PR188,2060-69	
$\phi \rightarrow K^+ K^-$	45.000	25.000	$0.180 \cdot 10^{-4}$	$0.700 \cdot 10^{-5}$	$0.600 \cdot 10^{-5}$	Atkinson,ZPC30,541-86	
...corrected for branching ratio...			$0.364 \cdot 10^{-4}$	$0.142 \cdot 10^{-4}$	$0.122 \cdot 10^{-4}$		
Threshold	2.198						
55. $\gamma p \rightarrow p \pi^+ \pi^- A_1^0$							
						(Cross section units: 10^{-27} cm^2)	
$A_1^0 \rightarrow [(\rho^+ / \rho^-)(\pi^- / \pi^+)]$	4.300		0.00130	0.00060		Eisenberg,PRL22,669-69	
...corrected for branching ratio...			0.00130	0.00060			
Threshold	2.830						
56. $\gamma p \rightarrow p \pi^+ \pi^- K^+ K^-$							
						(Cross section units: 10^{-27} cm^2)	
	4.700	0.600	$0.300 \cdot 10^{-3}$	$0.600 \cdot 10^{-4}$		Ballam,PRD5,545-72	
	9.300	1.000	$0.460 \cdot 10^{-3}$	$0.800 \cdot 10^{-4}$		Bingham,PRD8,1277-73	
	45.000	25.000	$0.136 \cdot 10^{-3}$	$0.400 \cdot 10^{-5}$	$0.420 \cdot 10^{-4}$	Atkinson,ZPC30,541-86	
Threshold	2.124						
57. $\gamma p \rightarrow p \pi^+ \pi^- \text{miss. mass}$							
						(Cross section units: 10^{-27} cm^2)	
	1.443	0.025	0.00110	0.00060		Ballam,PRD5,545-72	
	2.800	0.084	0.01400	0.00200		Ballam,NPB76,375-74	
	4.700	0.141	0.02080	0.00390		Ballam,NPB76,375-74	
	7.500	0.400	0.03000	0.00700		Ballam,PRL21,1541-68	

Reaction	P_{lab} (GeV/c)	$\Delta P_{lab} \pm$	Cross Section	Error \pm	Syst \pm Error	Reference	Foot- Notes
58. $\gamma p \rightarrow p \pi^+ \rho^-$ (Cross section units: 10^{-27} cm^2)							
	1.850	0.250	$0.800 \cdot 10^{-3}$	$0.500 \cdot 10^{-3}$	$0.120 \cdot 10^{-3}$	Struczinski, NPB108,45-76	
$\rho^- \rightarrow [\pi^- \pi^0]$	2.150	0.350	0.00150	0.00100		Erbe, PR188,2060-69	
	2.350	0.250	0.00190	0.00050	0.00029	Struczinski, NPB108,45-76	
	2.925	0.325	0.00170	0.00040	0.00025	Struczinski, NPB108,45-76	
$\rho^- \rightarrow \text{idem}$	3.000	0.500	0.00100	0.00080		Erbe, PR188,2060-69	
	3.625	0.375	$0.700 \cdot 10^{-3}$	$0.300 \cdot 10^{-3}$	$0.110 \cdot 10^{-3}$	Struczinski, NPB108,45-76	
	4.200	0.500	0.00080	0.00050		Eisenberg, PRD5,15-72	
	4.500	0.500	$0.800 \cdot 10^{-3}$	$0.400 \cdot 10^{-3}$	$0.120 \cdot 10^{-3}$	Struczinski, NPB108,45-76	
$\rho^- \rightarrow \text{idem}$	4.650	1.150	0.00080	0.00060		Erbe, PR188,2060-69	
	5.250	0.550	0.00170	0.00050		Eisenberg, PRD5,15-72	
	5.650	0.650	$0.900 \cdot 10^{-3}$	$0.300 \cdot 10^{-3}$	$0.140 \cdot 10^{-3}$	Struczinski, NPB108,45-76	
	7.500	0.700	0.00070	0.00040		Eisenberg, PRD5,15-72	
Threshold	1.351						
59. $\gamma p \rightarrow p \pi^+ A_2^-$ (Cross section units: 10^{-27} cm^2)							
$A_2^- \rightarrow [\rho^0 \pi^-]$	5.250		0.00343	0.00114		Ballam, PL30B,421-69	
Threshold	2.590						
60. $\gamma p \rightarrow p 2 \pi^+ 2 \pi^-$ (Cross section units: 10^{-27} cm^2)							
	2.000	0.100	$0.300 \cdot 10^{-3}$	$0.200 \cdot 10^{-3}$	$0.400 \cdot 10^{-4}$	Struczinski, NPB108,45-76	
	2.200	0.100	$0.600 \cdot 10^{-3}$	$0.200 \cdot 10^{-3}$	$0.900 \cdot 10^{-4}$	Struczinski, NPB108,45-76	
	2.450	0.150	0.00140	0.00030	0.00021	Struczinski, NPB108,45-76	
	2.800	0.500	0.00320	0.00030		Ballam, PRD5,545-72	
	2.925	0.325	0.00270	0.00050	0.00041	Struczinski, NPB108,45-76	
	3.625	0.375	0.00400	0.00050	0.00060	Struczinski, NPB108,45-76	
	4.300		0.00700	0.00070		Eisenberg, PRL22,669-69	
	4.500	0.500	0.00570	0.00060	0.00085	Struczinski, NPB108,45-76	
	4.700	0.600	0.00700	0.00060		Ballam, PRD5,545-72	
	5.200	0.300	0.00860	0.00260		Ballam, PRL21,1541-68	
	5.250		0.01030	0.00060		Ballam, PL30B,421-69	
	5.650	0.650	0.00740	0.00060	0.00111	Struczinski, NPB108,45-76	
	7.500	0.400	0.01320	0.00380		Ballam, PRL21,1541-68	
	9.300	1.000	0.00670	0.00100		Bingham, PRD8,1277-73	
Threshold	0.952						
61. $\gamma p \rightarrow p 2 \pi^+ 2 \pi^-$ (Cross section units: 10^{-27} cm^2)							
	1.750	0.150	0.00300	0.00100	0.00045	Struczinski, NPB108,45-76	
	1.750	0.250	0.00080	0.00020		Alexander, PRD8,1965-73	
	2.000	0.100	0.00290	0.00080	0.00043	Struczinski, NPB108,45-76	
	2.200	0.100	0.00200	0.00060	0.00030	Struczinski, NPB108,45-76	
	2.250	0.250	0.00190	0.00030		Alexander, PRD8,1965-73	
	2.450	0.150	0.00340	0.00060	0.00051	Struczinski, NPB108,45-76	
	2.750	0.250	0.00310	0.00050		Alexander, PRD8,1965-73	
	2.800	0.500	0.00410	0.00030		Ballam, PRD5,545-72	
	2.925	0.325	0.00450	0.00060	0.00067	Struczinski, NPB108,45-76	
	3.500	0.500	0.00550	0.00070		Alexander, PRD8,1965-73	
	3.625	0.375	0.00440	0.00050	0.00066	Struczinski, NPB108,45-76	
	4.300		0.00530	0.00060		Eisenberg, PRL22,669-69	
	4.400	1.900	0.00510	0.00040		Schacht, NPB81,205-74	
	4.500	0.500	0.00550	0.00050	0.00082	Struczinski, NPB108,45-76	
	4.700	0.600	0.00510	0.00030		Ballam, PRD5,545-72	
	5.200	0.300	0.00550	0.00150		Ballam, PRL21,1541-68	
	5.250	0.250	0.00490	0.00070		Alexander, PRD8,1965-73	
	5.650	0.650	0.00540	0.00040	0.00081	Struczinski, NPB108,45-76	
	5.750	0.250	0.00600	0.00100		Alexander, PRD8,1965-73	
	6.500	0.500	0.00460	0.00090		Alexander, PRD8,1965-73	
	7.100	1.900	0.00440	0.00030		Schacht, NPB81,205-74	
	7.500		0.00570	0.00070		Alexander, NPB68,1-74	
	9.000	1.000	0.00540	0.00100		Alexander, PRD8,1965-73	
	9.300	1.000	0.00410	0.00020		Bingham, PRD8,1277-73	
	12.700	5.300	0.00440	0.00030		Schacht, NPB81,205-74	
Threshold	0.727						

Reaction	P_{lab} (GeV/c)	$\Delta P_{\text{lab}} \pm$	Cross Section	Error \pm	Syst \pm Error	Reference	Foot- Notes
62. $\gamma p \rightarrow p 2 \pi^+ 2 \pi^- K^+ K^-$	9.300	1.000	0.600-10 ⁻⁴	0.200-10 ⁻⁴		(Cross section units: 10 ⁻²⁷ cm ²) Bingham,PRD8,1277-73	
Threshold	2.824						
63. $\gamma p \rightarrow p 2 \pi^+ 2 \pi^-$ miss. mass	2.800	0.500	0.200-10 ⁻³	0.150-10 ⁻³		(Cross section units: 10 ⁻²⁷ cm ²) Ballam,PRD5,545-72	
	4.700	0.600	0.00320	0.00070		Ballam,PRD5,545-72	
64. $\gamma p \rightarrow p 3 \pi^+ \pi^0 3 \pi^-$	4.500	0.500	0.400-10 ⁻³	0.100-10 ⁻³	0.600-10 ⁻⁴	(Cross section units: 10 ⁻²⁷ cm ²) Struczinski,NPB108,45-76	
	4.700	0.600	0.300-10 ⁻³	0.700-10 ⁻⁴		Ballam,PRD5,545-72	
	5.650	0.650	0.700-10 ⁻³	0.200-10 ⁻³	0.110-10 ⁻³	Struczinski,NPB108,45-76	
	9.300	1.000	0.00170	0.00040		Bingham,PRD8,1277-73	
Threshold	1.481						
65. $\gamma p \rightarrow p 3 \pi^+ 3 \pi^-$	2.800	0.500	0.500-10 ⁻⁴	0.250-10 ⁻⁴		(Cross section units: 10 ⁻²⁷ cm ²) Ballam,PRD5,545-72	
	3.625	0.375	0.300-10 ⁻³	0.100-10 ⁻³	0.400-10 ⁻⁴	Struczinski,NPB108,45-76	
	4.500	0.500	0.500-10 ⁻³	0.100-10 ⁻³	0.800-10 ⁻⁴	Struczinski,NPB108,45-76	
	4.700	0.600	0.300-10 ⁻³	0.500-10 ⁻⁴		Ballam,PRD5,545-72	
	5.650	0.650	0.500-10 ⁻³	0.100-10 ⁻³	0.800-10 ⁻⁴	Struczinski,NPB108,45-76	
	8.000	2.000	0.00093	0.00030		Davier,PRD1,790-69	
	9.300	1.000	0.870-10 ⁻³	0.600-10 ⁻⁴		Bingham,PRD8,1277-73	
	13.000	3.000	0.00090	0.00030		Davier,PRD1,790-69	
Threshold	1.215						
66. $\gamma p \rightarrow p 4 \pi^+ \pi^0 4 \pi^-$	9.300	1.000	0.250-10 ⁻³	0.300-10 ⁻⁴		(Cross section units: 10 ⁻²⁷ cm ²) Bingham,PRD8,1277-73	
Threshold	2.094						
67. $\gamma p \rightarrow p 4 \pi^+ 4 \pi^-$	9.300	1.000	0.800-10 ⁻⁴	0.200-10 ⁻⁴		(Cross section units: 10 ⁻²⁷ cm ²) Bingham,PRD8,1277-73	
Threshold	1.788						
68. $\gamma p \rightarrow p \pi^0$	0.160		0.00310	0.00060		(Cross section units: 10 ⁻²⁷ cm ²) Vasilkov,JETP10,7-60	
	0.163		0.00447	0.00023		Govorkov,YF6,507-67	
	0.180		0.00980	0.00040		Vasilkov,JETP10,7-60	
	0.181		0.01030	0.00062		Govorkov,YF6,507-67	
	0.200		0.02080	0.00080		Vasilkov,JETP10,7-60	
	0.212		0.03266	0.00126		Govorkov,YF6,507-67	
	0.220		0.04500	0.00200		Vasilkov,JETP10,7-60	
	0.220		0.04290	0.00409		Fischer,ZP245,225-71	
	0.240		0.08100	0.00300		Vasilkov,JETP10,7-60	
	0.240		0.07000	0.00404		Fischer,ZP245,225-71	
	0.260		0.13270	0.00226		Fischer,ZP245,225-71	
	0.270		0.16510	0.00286		Fischer,ZP245,225-71	
	0.280		0.20580	0.00217		Fischer,ZP245,225-71	
	0.290		0.24170	0.00266		Fischer,ZP245,225-71	
	0.300		0.27560	0.00258		Fischer,ZP245,225-71	
	0.310		0.29790	0.00257		Fischer,ZP245,225-71	
	0.320		0.31110	0.00236		Fischer,ZP245,225-71	
	0.330		0.30500	0.00283		Fischer,ZP245,225-71	
	0.340		0.28060	0.00268		Fischer,ZP245,225-71	
	0.350		0.25710	0.00302		Fischer,ZP245,225-71	
	0.360		0.23730	0.00229		Fischer,ZP245,225-71	
	0.370		0.21610	0.00274		Fischer,ZP245,225-71	
	0.380		0.18180	0.00239		Fischer,ZP245,225-71	
	0.390		0.16410	0.00232		Fischer,ZP245,225-71	
	0.400		0.14020	0.00222		Fischer,ZP245,225-71	
	0.440	0.005	0.09740	0.00400		Genzel,ZP268,37-74	
	0.450	0.005	0.08450	0.00490		Genzel,ZP268,37-74	
	0.460	0.005	0.07960	0.00400		Genzel,ZP268,37-74	
	0.470	0.005	0.07370	0.00330		Genzel,ZP268,37-74	
	0.480	0.005	0.06370	0.00340		Genzel,ZP268,37-74	

Reaction	P_{lab} (GeV/c)	$\Delta P_{\text{lab}} \pm$	Cross Section	Error \pm	Syst \pm Error	Reference	Foot- Notes
68. $\gamma p \rightarrow p \pi^0$ (Continued)						(Cross section units: 10^{-27} cm^2)	
	0.490	0.005	0.05730	0.00380		Genzel,ZP268,37-74	
Threshold	0.144						
69. $\gamma p \rightarrow p \pi^0 \rho^0$						(Cross section units: 10^{-27} cm^2)	
	1.850	0.250	$0.110 \cdot 10^{-2}$	$0.400 \cdot 10^{-3}$	$0.170 \cdot 10^{-3}$	Struczinski,NPB108,45-76	
	2.350	0.250	$0.110 \cdot 10^{-2}$	$0.400 \cdot 10^{-3}$	$0.170 \cdot 10^{-3}$	Struczinski,NPB108,45-76	
	2.925	0.325	$0.100 \cdot 10^{-2}$	$0.300 \cdot 10^{-3}$	$0.150 \cdot 10^{-3}$	Struczinski,NPB108,45-76	
	7.500	0.700	0.00090	0.00040		Eisenberg,PRD5,15-72	
Threshold	1.367						
70. $\gamma p \rightarrow p \pi^0 \omega$						(Cross section units: 10^{-27} cm^2)	
$\omega \rightarrow [\pi^+ \pi^- \pi^0]$	39.000	31.000	0.08600	0.02700		Atkinson,NPB243,1-84	
Threshold	1.367						
71. $\gamma p \rightarrow p \pi^0 \phi$						(Cross section units: 10^{-27} cm^2)	
$\phi \rightarrow [K^+ K^-]$	39.000	31.000	$0.600 \cdot 10^{-5}$	$0.300 \cdot 10^{-5}$		Atkinson,NPB231,1-84	
Threshold	1.863						
72. $\gamma p \rightarrow p \pi^0 K^+ K^-$						(Cross section units: 10^{-27} cm^2)	
	39.000	31.000	$0.800 \cdot 10^{-4}$	$0.500 \cdot 10^{-5}$	$0.200 \cdot 10^{-4}$	Atkinson,NPB231,1-84	
Threshold	1.794						
73. $\gamma p \rightarrow p \pi^- \rho^+$						(Cross section units: 10^{-27} cm^2)	
	1.850	0.250	0.00180	0.00050	0.00027	Struczinski,NPB108,45-76	
$\rho^+ \rightarrow [\pi^+ \pi^0]$	2.150	0.350	0.00210	0.00100		Erbe,PR188,2060-69	
	2.350	0.250	0.00200	0.00040	0.00030	Struczinski,NPB108,45-76	
	2.925	0.325	0.00220	0.00040	0.00033	Struczinski,NPB108,45-76	
$\rho^+ \rightarrow \text{idem}$	3.000	0.500	0.00260	0.00090		Erbe,PR188,2060-69	
	3.625	0.375	0.00180	0.00040	0.00027	Struczinski,NPB108,45-76	
	4.200	0.500	0.00180	0.00050		Eisenberg,PRD5,15-72	
	4.500	0.500	$0.120 \cdot 10^{-2}$	$0.400 \cdot 10^{-3}$	$0.180 \cdot 10^{-3}$	Struczinski,NPB108,45-76	
$\rho^+ \rightarrow \text{idem}$	4.650	1.150	0.00140	0.00060		Erbe,PR188,2060-69	
	5.250	0.550	0.00190	0.00050		Eisenberg,PRD5,15-72	
	5.650	0.650	$0.130 \cdot 10^{-2}$	$0.300 \cdot 10^{-3}$	$0.190 \cdot 10^{-3}$	Struczinski,NPB108,45-76	
	7.500	0.700	0.00110	0.00040		Eisenberg,PRD5,15-72	
Threshold	1.351						
74. $\gamma p \rightarrow p \eta$						(Cross section units: 10^{-27} cm^2)	
	0.730	0.020	0.01200	0.00320		Erbe,PR175,1669-68	
	0.730		0.00640	0.00130	0.00026	Delcourt,PL29B,75-69	
	0.750		0.01320	0.00080	0.00053	Delcourt,PL29B,75-69	
	0.775	0.025	0.01720	0.00300		Erbe,PR175,1669-68	
	0.805	0.095	0.01040	0.00270		Crouch,PR169,1081-68	
	0.825	0.025	0.01530	0.00280		Erbe,PR175,1669-68	
	0.840		0.01240	0.00060	0.00050	Delcourt,PL29B,75-69	
	0.870		0.01160	0.00080	0.00046	Delcourt,PL29B,75-69	
	0.875	0.025	0.01050	0.00300		Erbe,PR175,1669-68	
	0.880		0.01140	0.00100	0.00046	Delcourt,PL29B,75-69	
	0.950	0.050	0.00600	0.00190		Erbe,PR175,1669-68	
	1.000	0.100	0.00300	0.00150		Crouch,PR169,1081-68	
	1.050	0.050	0.00460	0.00180		Erbe,PR175,1669-68	
	1.200	0.100	0.00290	0.00130		Erbe,PR175,1669-68	
	1.400	0.100	0.00200	0.00130		Erbe,PR175,1669-68	
	1.850	0.250	$0.600 \cdot 10^{-3}$	$0.400 \cdot 10^{-3}$	$0.900 \cdot 10^{-4}$	Struczinski,NPB108,45-76	
	2.350	0.250	$0.300 \cdot 10^{-3}$	$0.200 \cdot 10^{-3}$	$0.400 \cdot 10^{-4}$	Struczinski,NPB108,45-76	
	2.500	1.000	0.00058	0.00037		Erbe,PR175,1669-68	
$\eta \rightarrow [2\gamma]$	4.000	0.200	$0.462 \cdot 10^{-3}$	$0.128 \cdot 10^{-3}$		Bellenger,PRL21,1205-68	
	5.150	1.150	$0.200 \cdot 10^{-3}$	$0.100 \cdot 10^{-3}$	$0.300 \cdot 10^{-4}$	Struczinski,NPB108,45-76	
Threshold	0.708						

Reaction	P_{lab} (GeV/c)	$\Delta P_{lab} \pm$	Cross Section	Error \pm	Syst \pm Error	Reference	Foot- Notes
75. $\gamma p \rightarrow p \rho^0$						(Cross section units: 10^{-27} cm^2)	
	1.050	0.050	0.00549	0.00205		Erbe,PR175,1669-68	
	1.150	0.050	0.01124	0.00220		Erbe,PR175,1669-68	
	1.200	0.100	0.02110	0.00500		Crouch,PR146,994-66	
	1.250	0.050	0.01440	0.00230		Erbe,PR175,1669-68	
	1.350	0.050	0.01834	0.00270		Erbe,PR175,1669-68	
	1.400	0.100	0.02980	0.00710		Crouch,PR146,994-66	
	1.500	0.100	0.02200	0.00470		Erbe,PR175,1669-68	
	1.600	0.200	0.01789	0.00444		Erbe,PR175,1669-68	
	1.650	0.150	0.03750	0.00500		Crouch,PR146,994-66	
	1.700	0.100	0.02510	0.00430		Erbe,PR175,1669-68	
	1.750	0.150	0.02180	0.00140	0.00327	Struczinski,NPB108,45-76	
	1.900	0.100	0.02150	0.00300		Erbe,PR175,1669-68	
	2.000	0.100	0.02210	0.00170	0.00332	Struczinski,NPB108,45-76	
	2.100	0.100	0.01800	0.00270		Erbe,PR175,1669-68	
	2.150	0.350	0.03320	0.00410		Crouch,PR146,994-66	
	2.200	0.100	0.02220	0.00160	0.00333	Struczinski,NPB108,45-76	
$\rho^0 \rightarrow [\pi^+ \pi^-]$	2.250	0.250	0.02210	0.00140		Eisenberg,PRD5,15-72	
	2.300	0.100	0.01550	0.00200		Erbe,PR175,1669-68	
	2.450	0.150	0.01970	0.00110	0.00295	Struczinski,NPB108,45-76	
	2.500	0.100	0.01680	0.00200		Erbe,PR175,1669-68	
	2.650	0.850	0.02056	0.00328		Erbe,PR175,1669-68	
	2.700	0.100	0.01960	0.00210		Erbe,PR175,1669-68	
$\rho^0 \rightarrow \text{idem}$	2.750	0.250	0.02140	0.00160		Eisenberg,PRD5,15-72	
$\rho^0 \rightarrow \text{idem}$	2.800	0.500	0.01861	0.00110		Ballam,PRD5,545-72	
	2.900	0.100	0.01840	0.00200		Erbe,PR175,1669-68	
	2.925	0.325	0.01850	0.00110	0.00277	Struczinski,NPB108,45-76	
$\rho^0 \rightarrow \text{idem}$	3.000	1.000	0.01920	0.00230		Davier,PRD1,790-69	
	3.250	0.250	0.01650	0.00130		Erbe,PR175,1669-68	
$\rho^0 \rightarrow \text{idem}$	3.350	0.350	0.01870	0.00160		Eisenberg,PRD5,15-72	
	3.625	0.375	0.01770	0.00100	0.00265	Struczinski,NPB108,45-76	
	3.750	0.250	0.01660	0.00130		Erbe,PR175,1669-68	
	4.000	0.500	0.01752	0.00366		Erbe,PR175,1669-68	
$\rho^0 \rightarrow \text{idem}$	4.000	0.500	0.01640	0.00200		Erbe,PL27B,54-68	
	4.050	0.850	0.01460	0.00180		Blehsch.,NCA52,1348-67	
$\rho^0 \rightarrow \text{idem}$	4.150	1.650	0.01700	0.00070		Erbe,NC46A,795-66	
$\rho^0 \rightarrow \text{idem}$	4.200	0.500	0.01620	0.00170		Eisenberg,PRD5,15-72	
	4.250	0.250	0.01600	0.00130		Erbe,PR175,1669-68	
	4.300	0.700	0.01590	0.00190		Eisenberg,NPB42,349-72	
	4.500	0.500	0.01890	0.00200	0.00283	Struczinski,NPB108,45-76	
$\rho^0 \rightarrow \text{idem}$	4.700	0.600	0.01450	0.00100		Ballam,PRD5,545-72	
	4.750	0.250	0.01690	0.00140		Erbe,PR175,1669-68	
	5.150	1.150	0.01520	0.00140	0.00228	Struczinski,NPB108,45-76	
$\rho^0 \rightarrow \text{idem}$	5.200	0.300	0.01600	0.00250		Ballam,PRL21,1541-68	
$\rho^0 \rightarrow \text{idem}$	5.250	0.550	0.01540	0.00140		Eisenberg,PRD5,15-72	
	5.400	0.400	0.01500	0.00220		Erbe,PR175,1669-68	
	5.500		0.01980	0.00220		Anderson,PRD1,27-70	
	5.650	0.650	0.01740	0.00200	0.00261	Struczinski,NPB108,45-76	
	5.650	0.950	0.01140	0.00150		Bodenkamp,PL133B,275-83	EA
$\rho^0 \rightarrow \text{idem}$	6.000	2.000	0.01560	0.00170		Davier,PRD1,790-69	
	6.000		0.01800	0.00180		Anderson,PRD1,27-70	
	6.250	0.750	0.01230	0.00090		Park,NPB36,404-72	
	6.500		0.01630	0.00160		Anderson,PRD1,27-70	
	6.850		0.01390	0.00200		Gottfried,PRL22,374-69	
	7.000	2.000	0.01210	0.00110		Park,NPB36,404-72	
	7.160		0.01530	0.00220		Gottfried,PRL22,374-69	
$\rho^0 \rightarrow \text{idem}$	7.500	0.700	0.01370	0.00130		Eisenberg,PRD5,15-72	
	8.800		0.01650	0.00220		Gottfried,PRL22,374-69	
	10.500	1.500	0.01170	0.00100		Park,NPB36,404-72	
	11.500		0.01340	0.00080		Anderson,PRD1,27-70	
	12.250		0.01320	0.00080		Anderson,PRD1,27-70	
	13.000		0.01290	0.00080		Anderson,PRD1,27-70	
	13.750		0.01300	0.00070		Anderson,PRD1,27-70	

EA = Statistical error only

Reaction	P_{lab} (GeV/c)	$\Delta P_{lab} \pm$	Cross Section	Error \pm	Syst \pm Error	Reference	Foot- Notes
75. $\gamma p \rightarrow p \rho^0$ (Continued)						(Cross section units: 10^{-27} cm^2)	
	14.500		0.01200	0.00070		Anderson, PRD1,27-70	
	15.000	3.000	0.01160	0.00100		Park, NPB36,404-72	
	15.250		0.01250	0.00070		Anderson, PRD1,27-70	
	16.000		0.01220	0.00070		Anderson, PRD1,27-70	
	16.900		0.01250	0.00070		Anderson, PRD1,27-70	
	17.800		0.01190	0.00060		Anderson, PRD1,27-70	
	20.000		0.01080	0.00110		Abe, PRD32,2869-85	
$\rho^0 \rightarrow \text{idem}$	35.000	5.000	0.00884	0.00044	0.00088	Egloff, PRL43,657-79	
$\rho^0 \rightarrow \text{idem}$	42.000	12.000	0.01068	0.00067	0.00107	Egloff, PRL43,657-79	
$\rho^0 \rightarrow \text{idem}$	47.000	7.000	0.00990	0.00049	0.00099	Egloff, PRL43,657-79	
$\rho^0 \rightarrow \text{idem}$	53.000	7.000	0.00950	0.00056	0.00095	Egloff, PRL43,657-79	
$\rho^0 \rightarrow \text{idem}$	71.000	11.000	0.00982	0.00056	0.00098	Egloff, PRL43,657-79	
$\rho^0 \rightarrow \text{idem}$	79.000	11.000	0.00824	0.00047	0.00082	Egloff, PRL43,657-79	
$\rho^0 \rightarrow \text{idem}$	106.000	16.000	0.00922	0.00052	0.00092	Egloff, PRL43,657-79	
$\rho^0 \rightarrow \text{idem}$	117.000	17.000	0.00859	0.00049	0.00086	Egloff, PRL43,657-79	
$\rho^0 \rightarrow \text{idem}$	157.000	23.000	0.00975	0.00056	0.00098	Egloff, PRL43,657-79	
Threshold	1.109						
76. $\gamma p \rightarrow p \rho^0$ (Backward)						(Cross section units: 10^{-27} cm^2)	
	1.750	0.150	0.00280	0.00080	0.00042	Struczinski, NPB108,45-76	
	2.000	0.100	$0.110 \cdot 10^{-2}$	$0.500 \cdot 10^{-3}$	$0.170 \cdot 10^{-3}$	Struczinski, NPB108,45-76	
	2.200	0.100	$0.800 \cdot 10^{-3}$	$0.700 \cdot 10^{-3}$	$0.120 \cdot 10^{-3}$	Struczinski, NPB108,45-76	
	2.450	0.150	$0.700 \cdot 10^{-3}$	$0.200 \cdot 10^{-3}$	$0.100 \cdot 10^{-3}$	Struczinski, NPB108,45-76	
	2.925	0.325	$0.500 \cdot 10^{-3}$	$0.200 \cdot 10^{-3}$	$0.700 \cdot 10^{-4}$	Struczinski, NPB108,45-76	
	3.625	0.375	$0.200 \cdot 10^{-3}$	$0.100 \cdot 10^{-3}$	$0.300 \cdot 10^{-4}$	Struczinski, NPB108,45-76	
Threshold	1.109						
77. $\gamma p \rightarrow p \omega$						(Cross section units: 10^{-27} cm^2)	
	1.255	0.145	0.00670	0.00110		Erbe, PR175,1669-68	
	1.305	0.195	0.00730	0.00160		Crouch, PR155,1468-67	
	1.600	0.200	0.00751	0.00097		Erbe, PR175,1669-68	
	1.650	0.150	0.00630	0.00190		Crouch, PR155,1468-67	
	1.850	0.250	0.00760	0.00150	0.00114	Struczinski, NPB108,45-76	
	1.950	0.150	0.00737	0.00120		Erbe, PR175,1669-68	
	2.150	0.350	0.00550	0.00100		Crouch, PR155,1468-67	
	2.150	0.350	0.00594	0.00238		Erbe, PR175,1669-68	
	2.300	0.200	0.00680	0.00102		Erbe, PR175,1669-68	
	2.350	0.250	0.00530	0.00050	0.00079	Struczinski, NPB108,45-76	
	2.750	0.250	0.00545	0.00100		Erbe, PR175,1669-68	
$\omega \rightarrow [\pi^+ \pi^- \pi^0]$	2.800	0.150	0.00530	0.00050		Ballam, PRD7,3150-73	
	2.925	0.325	0.00390	0.00030	0.00058	Struczinski, NPB108,45-76	
$\omega \rightarrow \text{idem}$	3.000	0.500	0.00534	0.00089		Erbe, PL27B,54-68	
	3.150	0.350	0.00420	0.00030		Barber, ZPC26,343-84	
	3.250	0.250	0.00423	0.00086		Erbe, PR175,1669-68	
$\omega \rightarrow \text{idem}$	3.500	1.500	0.00390	0.00090		Davier, PRD1,790-69	
	3.625	0.375	0.00180	0.00020	0.00027	Struczinski, NPB108,45-76	
	3.850	0.350	$0.250 \cdot 10^{-2}$	$0.100 \cdot 10^{-3}$		Barber, ZPC26,343-84	
	4.000	0.500	0.00360	0.00061		Erbe, PR175,1669-68	
$\omega \rightarrow \text{idem}$	4.000	0.500	0.00400	0.00067		Erbe, PL27B,54-68	
	4.150	1.650	0.00345	0.00118		Erbe, PR175,1669-68	
	4.200	0.500	0.00290	0.00040		Eisenberg, PRD5,15-72	
	4.250	1.750	0.00320	0.00060		Crouch, PR155,1468-67	
$\omega \rightarrow \text{idem}$	4.300		0.00280	0.00050		Eisenberg, PRL22,669-69	
	4.500	0.300	$0.220 \cdot 10^{-2}$	$0.100 \cdot 10^{-3}$		Barber, ZPC26,343-84	
$\omega \rightarrow \text{idem}$	4.700	0.450	0.00300	0.00030		Ballam, PRD7,3150-73	
	5.150	0.650	0.00315	0.00066		Erbe, PR175,1669-68	
$\omega \rightarrow \text{idem}$	5.150	0.650	0.00345	0.00078		Erbe, PL27B,54-68	
	5.250	0.550	0.00230	0.00040		Eisenberg, PRD5,15-72	
	5.650	0.650	0.00200	0.00050	0.00030	Struczinski, NPB108,45-76	
	7.500	0.700	0.00200	0.00030		Eisenberg, PRD5,15-72	
$\omega \rightarrow \text{idem}$	9.300	0.600	0.00190	0.00030		Ballam, PRD7,3150-73	
$\omega \rightarrow \text{idem}$	10.500	5.500	0.00260	0.00070		Davier, PRD1,790-69	

Reaction	P_{lab} (GeV/c)	$\Delta P_{\text{lab}} \pm$	Cross Section	Error \pm	Syst \pm Error	Reference	Foot- Notes
77. $\gamma p \rightarrow p \omega$ (Continued) (Cross section units: 10^{-27} cm^2)							
$\omega \rightarrow [\pi^+ \pi^- \pi^0]$	39.000	31.000	$0.101 \cdot 10^{-2}$	$0.150 \cdot 10^{-4}$	$0.290 \cdot 10^{-3}$	Atkinson, NPB231,15-84	
$\omega \rightarrow [\pi^0 \gamma]$	53.000	7.000	$0.117 \cdot 10^{-2}$	$0.180 \cdot 10^{-3}$	$0.900 \cdot 10^{-4}$	Egloff, PRL43,1545-79	
$\omega \rightarrow \text{idem}$	71.000	11.000	$0.104 \cdot 10^{-2}$	$0.160 \cdot 10^{-3}$	$0.800 \cdot 10^{-4}$	Egloff, PRL43,1545-79	
$\omega \rightarrow \text{idem}$	95.000	27.000	$0.111 \cdot 10^{-2}$	$0.130 \cdot 10^{-3}$	$0.900 \cdot 10^{-4}$	Egloff, PRL43,1545-79	
$\omega \rightarrow \text{idem}$	140.000	40.000	$0.108 \cdot 10^{-2}$	$0.180 \cdot 10^{-3}$	$0.900 \cdot 10^{-4}$	Egloff, PRL43,1545-79	
Threshold	1.111						
78. $\gamma p \rightarrow p \eta'$ (Cross section units: 10^{-27} cm^2)							
	1.685	0.215	0.00120	0.00050		Erbe, PR175,1669-68	
	2.200	0.300	0.00100	0.00045		Erbe, PR175,1669-68	
	2.350	0.250	$0.300 \cdot 10^{-3}$	$0.150 \cdot 10^{-3}$	$0.400 \cdot 10^{-4}$	Struczinski, NPB108,45-76	
	2.925	0.325	$0.300 \cdot 10^{-3}$	$0.150 \cdot 10^{-3}$	$0.400 \cdot 10^{-4}$	Struczinski, NPB108,45-76	
	3.300		$0.200 \cdot 10^{-3}$	$0.100 \cdot 10^{-3}$		Erbe, PR175,1669-68	
	3.625	0.375	$0.300 \cdot 10^{-3}$	$0.100 \cdot 10^{-3}$	$0.400 \cdot 10^{-4}$	Struczinski, NPB108,45-76	
	5.000	1.000	$0.200 \cdot 10^{-3}$	$0.100 \cdot 10^{-3}$	$0.300 \cdot 10^{-4}$	Struczinski, NPB108,45-76	
Threshold	1.444						
79. $\gamma p \rightarrow p S^*$ (Cross section units: 10^{-27} cm^2)							
$S^* \rightarrow K^+ K^-$	5.650	1.050	$0.270 \cdot 10^{-3}$	$0.150 \cdot 10^{-3}$		Fries, NPB143,408-78	
...corrected for branching ratio...			$0.245 \cdot 10^{-4}$	$0.140 \cdot 10^{-4}$			
Threshold	1.481						
80. $\gamma p \rightarrow p \phi$ (Cross section units: 10^{-27} cm^2)							
	2.040	0.460	$0.300 \cdot 10^{-3}$	$0.100 \cdot 10^{-3}$		Erbe, PR175,1669-68	
	2.800		$0.330 \cdot 10^{-3}$	$0.130 \cdot 10^{-3}$		Ballam, LIVERPOOL CONF-69	
	2.800	0.150	$0.400 \cdot 10^{-3}$	$0.100 \cdot 10^{-3}$		Ballam, PRD7,3150-73	
	3.000	0.500	$0.400 \cdot 10^{-3}$	$0.140 \cdot 10^{-3}$		Erbe, PR175,1669-68	
$\phi \rightarrow [(K^+ / K_s^0) (K^- / K_1^0)]$	3.000	0.500	$0.490 \cdot 10^{-3}$	$0.170 \cdot 10^{-3}$		Erbe, PL27B,54-68	
	3.300	0.500	$0.470 \cdot 10^{-3}$	$0.300 \cdot 10^{-4}$		Barber, ZPC12,1-82	
	4.300	0.500	$0.420 \cdot 10^{-3}$	$0.200 \cdot 10^{-4}$		Barber, ZPC12,1-82	
	4.650	1.150	$0.450 \cdot 10^{-3}$	$0.130 \cdot 10^{-3}$		Erbe, PR175,1669-68	
$\phi \rightarrow \text{idem}$	4.650	1.150	$0.540 \cdot 10^{-3}$	$0.150 \cdot 10^{-3}$		Erbe, PL27B,54-68	
	4.700	0.450	$0.410 \cdot 10^{-3}$	$0.900 \cdot 10^{-4}$		Ballam, PRD7,3150-73	
$\phi \rightarrow K^+ K^-$	5.650	1.050	$0.250 \cdot 10^{-3}$	$0.200 \cdot 10^{-4}$		Fries, NPB143,408-78	
...corrected for branching ratio...			$0.505 \cdot 10^{-3}$	$0.432 \cdot 10^{-4}$			
	9.300	0.600	$0.550 \cdot 10^{-3}$	$0.700 \cdot 10^{-4}$		Ballam, PRD7,3150-73	
$\phi \rightarrow \text{idem}$	28.000	8.000	$0.240 \cdot 10^{-3}$	$0.600 \cdot 10^{-3}$	$0.410 \cdot 10^{-4}$	Aston, NPB172,1-80	
...corrected for branching ratio...			$0.485 \cdot 10^{-3}$	$0.190 \cdot 10^{-4}$	$0.841 \cdot 10^{-4}$		
$\phi \rightarrow [K^+ K^-]$	35.000	5.000	$0.506 \cdot 10^{-3}$	$0.900 \cdot 10^{-3}$	$0.300 \cdot 10^{-4}$	Egloff, PRL43,657-79	
$\phi \rightarrow [\pi^+ \pi^- \pi^0]$							
	39.000	31.000	$0.608 \cdot 10^{-3}$	$0.380 \cdot 10^{-4}$	$0.170 \cdot 10^{-3}$	Atkinson, NPB231,15-84	
$\phi \rightarrow [K^+ K^-]$	42.000	12.000	$0.568 \cdot 10^{-3}$	$0.910 \cdot 10^{-5}$	$0.300 \cdot 10^{-4}$	Egloff, PRL43,657-79	
$\phi \rightarrow \text{idem}$	47.000	7.000	$0.546 \cdot 10^{-3}$	$0.890 \cdot 10^{-3}$	$0.300 \cdot 10^{-4}$	Egloff, PRL43,657-79	
$\phi \rightarrow \text{idem}$	53.000	7.000	$0.625 \cdot 10^{-3}$	$0.630 \cdot 10^{-5}$	$0.300 \cdot 10^{-4}$	Egloff, PRL43,657-79	
$\phi \rightarrow \text{idem}$	71.000	11.000	$0.646 \cdot 10^{-3}$	$0.650 \cdot 10^{-5}$	$0.300 \cdot 10^{-4}$	Egloff, PRL43,657-79	
$\phi \rightarrow \text{idem}$	79.000	11.000	$0.648 \cdot 10^{-3}$	$0.520 \cdot 10^{-5}$	$0.300 \cdot 10^{-4}$	Egloff, PRL43,657-79	
$\phi \rightarrow \text{idem}$	106.000	16.000	$0.661 \cdot 10^{-3}$	$0.530 \cdot 10^{-5}$	$0.300 \cdot 10^{-4}$	Egloff, PRL43,657-79	
$\phi \rightarrow \text{idem}$	117.000	17.000	$0.630 \cdot 10^{-3}$	$0.101 \cdot 10^{-4}$	$0.300 \cdot 10^{-4}$	Egloff, PRL43,657-79	
$\phi \rightarrow \text{idem}$	157.000	23.000	$0.740 \cdot 10^{-3}$	$0.920 \cdot 10^{-5}$	$0.400 \cdot 10^{-4}$	Egloff, PRL43,657-79	
Threshold	1.572						
81. $\gamma p \rightarrow p B^0$ (Cross section units: 10^{-27} cm^2)							
$B^0 \rightarrow \omega \pi^0$	2.800	0.084	0.00120	0.00070		Ballam, NPB76,375-74	
...corrected for branching ratio...			0.00120	0.00070			
$B^0 \rightarrow \text{idem}$	4.700	0.141	0.00150	0.00060		Ballam, NPB76,375-74	
...corrected for branching ratio...			0.00150	0.00060			
$B^0 \rightarrow \text{idem}$	9.300	0.279	0.00100	0.00030		Ballam, NPB76,375-74	
...corrected for branching ratio...			0.00100	0.00030			
Threshold	2.031						

Reaction	P_{lab} (GeV/c)	$\Delta P_{lab} \pm$	Cross Section	Error \pm	Syst \pm Error	Reference	Foot- Notes
82. $\gamma p \rightarrow p f$						(Cross section units: 10^{-27} cm^2)	
	3.000	0.500	0.00090	0.00045		Erbe,PR175,1669-68	
	4.000	0.500	0.00040	0.00030		Erbe,PR175,1669-68	
Threshold	2.136						
83. $\gamma p \rightarrow p f'$						(Cross section units: 10^{-27} cm^2)	
	4.650	1.150	$0.150 \cdot 10^{-3}$	$0.900 \cdot 10^{-4}$		Erbe,PR175,1669-68	
Threshold	2.750						
84. $\gamma p \rightarrow p \rho'^0$						(Cross section units: 10^{-27} cm^2)	
$\rho'^0 \rightarrow \omega \pi^0$ & ($\omega \rightarrow \pi^+ \pi^- \pi^0$)	4.000		0.00197	0.00163		Barber,ZPC4,169-79	
$\rho'^0 \rightarrow (2\pi^+ 2\pi^-) / (\rho^0 \pi^+ \pi^-)$	4.400	1.900	$0.130 \cdot 10^{-2}$	$0.100 \cdot 10^{-3}$		Schacht,NPB81,205-74	
$\rho'^0 \rightarrow \text{idem}$	7.100	1.900	0.00100	0.00020		Schacht,NPB81,205-74	
$\rho'^0 \rightarrow \pi^+ \pi^- \text{ miss. mass}$	9.300	0.279	0.00400	0.00100		Ballam,NPB76,375-74	
$\rho'^0 \rightarrow (2\pi^+ 2\pi^-) / (\rho^0 \pi^+ \pi^-)$	12.700	5.300	0.00160	0.00020		Schacht,NPB81,205-74	
$\rho'^0 \rightarrow \rho^0 \pi^+ \pi^-$	40.000	30.000	$0.540 \cdot 10^{-3}$	$0.170 \cdot 10^{-3}$		Aston,NPB189,15-81	
$\rho'^0 \rightarrow 2\pi^+ 2\pi^-$	45.000	25.000	0.00080	0.00030		Aston,PL92B,215-80	
Threshold	2.936						
85. $\gamma p \rightarrow p \omega_{1670}$						(Cross section units: 10^{-27} cm^2)	
$\omega_{1670} \rightarrow \pi^+ \pi^- \pi^0$	39.000	31.000	$0.100 \cdot 10^{-3}$	$0.200 \cdot 10^{-4}$		Atkinson,NPB231,15-84	
Threshold	3.150						
86. $\gamma p \rightarrow p \phi'$						(Cross section units: 10^{-27} cm^2)	
$\phi' \rightarrow K^+ K^-$	45.000	25.000	$0.800 \cdot 10^{-5}$	$0.300 \cdot 10^{-5}$		Aston,PL104B,231-81	
Threshold	3.197						
87. $\gamma p \rightarrow p g^0$						(Cross section units: 10^{-27} cm^2)	
$g^0 \rightarrow [\pi^+ \pi^-]$	4.300		0.00358	0.00147		Eisenberg,PRL22,669-69	
$g^0 \rightarrow \pi^+ \pi^-$	45.000	25.000	$0.510 \cdot 10^{-4}$	$0.220 \cdot 10^{-4}$	$0.110 \cdot 10^{-4}$	Atkinson,ZPC30,531-86	
...corrected for branching ratio...			$0.214 \cdot 10^{-3}$	$0.932 \cdot 10^{-4}$	$0.477 \cdot 10^{-4}$		
$g^0 \rightarrow 2\pi^+ 2\pi^-$	45.000	25.000	$0.147 \cdot 10^{-3}$	$0.420 \cdot 10^{-4}$	$0.320 \cdot 10^{-4}$	Atkinson,ZPC30,531-86	
$g^0 \rightarrow \rho^+ \rho^-$	45.000	25.000	$0.180 \cdot 10^{-4}$	$0.160 \cdot 10^{-4}$	$0.400 \cdot 10^{-5}$	Atkinson,ZPC30,531-86	
Threshold	3.211						
88. $\gamma p \rightarrow p \psi$						(Cross section units: 10^{-27} cm^2)	
	150.000	150.000	$0.180 \cdot 10^{-4}$	$0.200 \cdot 10^{-5}$		Binkley,PRL48,73-82	
Threshold	8.207						
89. $\gamma p \rightarrow p K^+ K^-$						(Cross section units: 10^{-27} cm^2)	
	1.790	0.210	$0.210 \cdot 10^{-3}$	$0.700 \cdot 10^{-4}$		Erbe,PR188,2060-69	
	2.250	0.250	$0.470 \cdot 10^{-3}$	$0.120 \cdot 10^{-3}$		Erbe,PR188,2060-69	
	2.800	0.500	$0.100 \cdot 10^{-2}$	$0.100 \cdot 10^{-3}$		Ballam,PRD5,545-72	
	3.250	0.250	0.00106	0.00023		Erbe,PR188,2060-69	
	3.750	0.250	$0.640 \cdot 10^{-3}$	$0.190 \cdot 10^{-3}$		Erbe,PR188,2060-69	
	4.250	0.250	0.00097	0.00026		Erbe,PR188,2060-69	
	4.700	0.600	$0.700 \cdot 10^{-3}$	$0.100 \cdot 10^{-3}$		Ballam,PRD5,545-72	
	5.400	0.400	0.00092	0.00026		Erbe,PR188,2060-69	
	9.300	1.000	$0.580 \cdot 10^{-3}$	$0.500 \cdot 10^{-4}$		Bingham,PRD8,1277-73	
	28.000	8.000	$0.160 \cdot 10^{-3}$	$0.100 \cdot 10^{-4}$	$0.400 \cdot 10^{-4}$	Aston,NPB172,1-80	
				$- .200 \cdot 10^{-4}$			
Threshold	1.508						
90. $\gamma p \rightarrow p K^+ K^{*-}_{890}$						(Cross section units: 10^{-27} cm^2)	
$K^{*-}_{890} \rightarrow K^- \pi^0$	39.000	31.000	$0.100 \cdot 10^{-4}$	$0.300 \cdot 10^{-5}$	$0.400 \cdot 10^{-5}$	Atkinson,NPB231,1-84	
		-19.000					
...corrected for branching ratio...			$0.300 \cdot 10^{-4}$	$0.901 \cdot 10^{-5}$	$0.120 \cdot 10^{-4}$		
Threshold	2.409						

Reaction	P_{lab} (GeV/c)	$\Delta P_{lab} \pm$	Cross Section	Error \pm	Syst \pm Error	Reference	Foot- Notes
91. $\gamma p \rightarrow p K^- K^+_{890}$						(Cross section units: 10^{-27} cm^2)	
$K^+_{890} \rightarrow K^+ \pi^0$	39.000	31.000	$0.130 \cdot 10^{-4}$	$0.300 \cdot 10^{-5}$	$0.400 \cdot 10^{-5}$	Atkinson, NPB231,1-84	
		-19.000					
...corrected for branching ratio...			$0.390 \cdot 10^{-4}$	$0.900 \cdot 10^{-5}$	$0.120 \cdot 10^{-4}$		
Threshold	2.409						
92. $\gamma p \rightarrow p K^0_s K^+_{890}$						(Cross section units: 10^{-27} cm^2)	
$K^0_{890} \rightarrow (K^+ / K^-) (\pi^- / \pi^+)$	39.000	31.000	$0.160 \cdot 10^{-4}$	$0.400 \cdot 10^{-5}$	$0.800 \cdot 10^{-5}$	Atkinson, NPB231,1-84	
		-19.000					
...corrected for branching ratio...			$0.240 \cdot 10^{-4}$	$0.600 \cdot 10^{-5}$	$0.120 \cdot 10^{-4}$		
Threshold	2.431						
93. $\gamma p \rightarrow 2 p \bar{p}$						(Cross section units: 10^{-27} cm^2)	
	4.700	0.600	$0.600 \cdot 10^{-4}$	$0.300 \cdot 10^{-4}$		Ballam, PRD5,545-72	
	4.921	0.181	$0.758 \cdot 10^{-4}$	$0.134 \cdot 10^{-4}$		Bodenkamp, NPB255,717-85	EL
	5.283	0.181	$0.821 \cdot 10^{-4}$	$0.167 \cdot 10^{-4}$		Bodenkamp, NPB255,717-85	EL
	5.645	0.181	$0.650 \cdot 10^{-4}$	$0.135 \cdot 10^{-4}$		Bodenkamp, NPB255,717-85	EL
	6.007	0.181	$0.896 \cdot 10^{-4}$	$0.175 \cdot 10^{-4}$		Bodenkamp, NPB255,717-85	EL
	6.369	0.181	$0.849 \cdot 10^{-4}$	$0.157 \cdot 10^{-4}$		Bodenkamp, NPB255,717-85	EL
	9.300	1.000	$0.900 \cdot 10^{-4}$	$0.200 \cdot 10^{-4}$		Bingham, PRD8,1277-73	
	57.000	13.000	$0.200 \cdot 10^{-4}$	$0.800 \cdot 10^{-5}$		Aston, PL93B,517-80	
Threshold	3.751						
94. $\gamma p \rightarrow n \pi^+$						(Cross section units: 10^{-27} cm^2)	
	0.220		0.12598	0.00190		Fischer, ZP253,38-72	
	0.240		0.15022	0.00095		Fischer, ZP253,38-72	
	0.250		0.15650	0.00400		Fujii, NPB120,395-77	
	0.260		0.18850	0.00320		Fujii, NPB120,395-77	
	0.270		0.20320	0.00400		Fujii, NPB120,395-77	
	0.280		0.21460	0.00380		Fujii, NPB120,395-77	
	0.290		0.23130	0.00410		Fujii, NPB120,395-77	
	0.300		0.24620	0.00310		Fujii, NPB120,395-77	
	0.310		0.25190	0.00400		Fujii, NPB120,395-77	
	0.320		0.24700	0.00510		Fujii, NPB120,395-77	
	0.320		0.23389	0.00140		Fischer, ZP253,38-72	
	0.325		0.22743	0.00366		Fischer, ZP253,38-72	
	0.330		0.24170	0.00310		Fujii, NPB120,395-77	
	0.340		0.22400	0.00310		Fujii, NPB120,395-77	
	0.350		0.20370	0.00280		Fujii, NPB120,395-77	
	0.360		0.17558	0.00104		Fischer, ZP253,38-72	
	0.370		0.17880	0.00360		Fujii, NPB120,395-77	
	0.375		0.15270	0.00180		Fischer, ZP253,38-72	
	0.380		0.15930	0.00240		Fujii, NPB120,395-77	
	0.390		0.13910	0.00240		Fujii, NPB120,395-77	
	0.400		0.13470	0.00270		Fujii, NPB120,395-77	
	0.410		0.12490	0.00240		Fujii, NPB120,395-77	
	0.420		0.11790	0.00240		Fujii, NPB120,395-77	
	0.430		0.11530	0.00220		Fujii, NPB120,395-77	
	0.440		0.10740	0.00200		Fujii, NPB120,395-77	
	0.450		0.10940	0.00210		Fujii, NPB120,395-77	
	0.460		0.10140	0.00190		Fujii, NPB120,395-77	
	0.470		0.10330	0.00190		Fujii, NPB120,395-77	
	0.490		0.09720	0.00100		Fujii, NPB120,395-77	
	0.515		0.09370	0.00140		Fujii, NPB120,395-77	
	0.540		0.09490	0.00120		Fujii, NPB120,395-77	
	0.565		0.09500	0.00100		Fujii, NPB120,395-77	
	0.590		0.09360	0.00130		Fujii, NPB120,395-77	
	0.615		0.09530	0.00170		Fujii, NPB120,395-77	
	0.640		0.09970	0.00170		Fujii, NPB120,395-77	
	0.665		0.10870	0.00210		Fujii, NPB120,395-77	
	0.690		0.11170	0.00150		Fujii, NPB120,395-77	
	0.715		0.11210	0.00190		Fujii, NPB120,395-77	
EL = Errors include both statistical and systematic contributions							

Reaction	P_{lab} (GeV/c)	$\Delta P_{lab} \pm$	Cross Section	Error \pm	Syst \pm Error	Reference	Foot- Notes
94. $\gamma p \rightarrow n \pi^+$ (Continued)						(Cross section units: 10^{-27} cm^2)	
	0.740		0.10250	0.00190		Fujii,NPB120,395-77	
	0.765		0.08910	0.00160		Fujii,NPB120,395-77	
	0.790		0.07170	0.00130		Fujii,NPB120,395-77	
Threshold	0.152						
95. $\gamma p \rightarrow n \pi^+ \rho^0$						(Cross section units: 10^{-27} cm^2)	
	1.850	0.250	$0.600 \cdot 10^{-4}$	$0.500 \cdot 10^{-4}$	$0.100 \cdot 10^{-4}$	Struczinski,NPB108,45-76	
	2.350	0.250	$0.154 \cdot 10^{-2}$	$0.150 \cdot 10^{-3}$	$0.230 \cdot 10^{-3}$	Struczinski,NPB108,45-76	
	2.925	0.325	0.00132	0.00025	0.00020	Struczinski,NPB108,45-76	
	3.625	0.375	$0.840 \cdot 10^{-3}$	$0.240 \cdot 10^{-3}$	$0.130 \cdot 10^{-3}$	Struczinski,NPB108,45-76	
	4.200	0.500	0.00120	0.00070		Eisenberg,PRD5,15-72	
	4.500	0.500	$0.710 \cdot 10^{-3}$	$0.400 \cdot 10^{-3}$	$0.110 \cdot 10^{-3}$	Struczinski,NPB108,45-76	
$\rho^0 \rightarrow [\pi^+ \pi^-]$	5.250		0.00080	0.00040		Ballam,PL30B,421-69	
	5.650	0.650	$0.950 \cdot 10^{-3}$	$0.450 \cdot 10^{-3}$	$0.140 \cdot 10^{-3}$	Struczinski,NPB108,45-76	
	7.500	0.700	0.00200	0.00060		Eisenberg,PRD5,15-72	
Threshold	1.380						
96. $\gamma p \rightarrow n 2 \pi^+ \pi^0 \pi^-$						(Cross section units: 10^{-27} cm^2)	
	4.000		0.01000	0.00100		Erbe,PR188,2060-69	
Threshold	0.722						
97. $\gamma p \rightarrow n 2 \pi^+ 2 \pi^0 \pi^-$						(Cross section units: 10^{-27} cm^2)	
	4.000		0.00180	0.00030		Erbe,PR188,2060-69	
Threshold	0.947						
98. $\gamma p \rightarrow n 2 \pi^+ \pi^-$						(Cross section units: 10^{-27} cm^2)	
	1.443	0.025	0.00560	0.00100		Ballam,PRD5,545-72	
	1.750	0.150	0.00800	0.00080	0.00120	Struczinski,NPB108,45-76	
	2.000	0.100	0.01140	0.00110	0.00171	Struczinski,NPB108,45-76	
	2.200	0.100	0.00910	0.00100	0.00136	Struczinski,NPB108,45-76	
	2.450	0.150	0.00950	0.00070	0.00142	Struczinski,NPB108,45-76	
	2.800	0.500	0.01010	0.00130		Ballam,PRD5,545-72	
	2.925	0.325	0.01130	0.00080	0.00169	Struczinski,NPB108,45-76	
	3.625	0.375	0.00980	0.00090	0.00147	Struczinski,NPB108,45-76	
	4.200	0.500	0.00750	0.00150		Eisenberg,PRD5,15-72	
	4.300		0.00750	0.00150		Eisenberg,PRD5,15-72	
	4.500	0.500	0.00790	0.00130	0.00118	Struczinski,NPB108,45-76	
	4.700	0.600	0.00720	0.00200		Ballam,PRD5,545-72	
	5.200	0.300	0.01120	0.00240		Ballam,PRL21,1541-68	
	5.250	0.550	0.00460	0.00140		Eisenberg,PRD5,15-72	
	5.650	0.650	0.00770	0.00130	0.00115	Struczinski,NPB108,45-76	
	7.500	0.700	0.00400	0.00120		Eisenberg,PRD5,15-72	
	9.300	1.000	0.00320	0.00070		Bingham,PRD8,1277-73	
Threshold	0.516						
99. $\gamma p \rightarrow n 2 \pi^+ \pi^-$ miss. mass						(Cross section units: 10^{-27} cm^2)	
	1.443	0.025	0.00090	0.00050		Ballam,PRD5,545-72	
	2.800	0.500	0.01120	0.00090		Ballam,PRD5,545-72	
	4.700	0.600	0.01630	0.00230		Ballam,PRD5,545-72	
	7.500	0.400	0.01400	0.00600		Ballam,PRL21,1541-68	
100. $\gamma p \rightarrow n 3 \pi^+ 2 \pi^-$						(Cross section units: 10^{-27} cm^2)	
	2.450	0.150	$0.300 \cdot 10^{-3}$	$0.100 \cdot 10^{-3}$	$0.400 \cdot 10^{-4}$	Struczinski,NPB108,45-76	
	2.800	0.500	$0.400 \cdot 10^{-2}$	$0.700 \cdot 10^{-4}$		Ballam,PRD5,545-72	
	2.925	0.325	$0.500 \cdot 10^{-3}$	$0.200 \cdot 10^{-3}$	$0.800 \cdot 10^{-4}$	Struczinski,NPB108,45-76	
	3.625	0.375	0.00150	0.00030	0.00023	Struczinski,NPB108,45-76	
	4.300		0.00390	0.00050		Eisenberg,PRL22,669-69	
	4.500	0.500	0.00230	0.00030	0.00035	Struczinski,NPB108,45-76	
	4.700	0.600	0.00160	0.00050		Ballam,PRD5,545-72	
	5.250		0.00470	0.00040		Ballam,PL30B,421-69	
	5.650	0.650	0.00220	0.00030	0.00033	Struczinski,NPB108,45-76	
	7.500	0.400	0.00340	0.00130		Ballam,PRL21,1541-68	
	9.300	1.000	0.00180	0.00100		Bingham,PRD8,1277-73	
Threshold	0.964						

Reaction	P_{lab} (GeV/c)	$\Delta P_{lab} \pm$	Cross Section	Error \pm	Syst \pm Error	Reference	Foot- Notes
101. $\gamma p \rightarrow n 3 \pi^+ 2 \pi^-$ miss. mass						(Cross section units: 10^{-27} cm^2)	
	2.800	0.500	$0.200 \cdot 10^{-3}$	$0.800 \cdot 10^{-4}$		Ballam, PRD5,545-72	
	4.700	0.600	0.00160	0.00030		Ballam, PRD5,545-72	
102. $\gamma p \rightarrow n 4 \pi^+ 3 \pi^-$						(Cross section units: 10^{-27} cm^2)	
	4.700	0.600	$0.700 \cdot 10^{-4}$	$0.400 \cdot 10^{-4}$		Ballam, PRD5,545-72	
	5.650	0.650	$0.200 \cdot 10^{-3}$	$0.100 \cdot 10^{-3}$	$0.300 \cdot 10^{-4}$	Struczinski, NPB108,45-76	
	9.300	1.000	0.00090	0.00040		Bingham, PRD8,1277-73	
Threshold	1.495						
103. $\gamma p \rightarrow n 5 \pi^+ 4 \pi^-$						(Cross section units: 10^{-27} cm^2)	
	9.300	1.000	$0.100 \cdot 10^{-3}$	$0.300 \cdot 10^{-4}$		Bingham, PRD8,1277-73	
Threshold	2.110						
104. $\gamma p \rightarrow n \rho^+$						(Cross section units: 10^{-27} cm^2)	
	3.150	0.350	0.00159	0.00032		Barber, ZPC2,1-79	
	3.850	0.350	$0.940 \cdot 10^{-3}$	$0.800 \cdot 10^{-4}$		Barber, ZPC2,1-79	
	4.500	0.300	$0.560 \cdot 10^{-3}$	$0.900 \cdot 10^{-4}$		Barber, ZPC2,1-79	
Threshold	1.089						
105. $\gamma p \rightarrow n A_2^+$						(Cross section units: 10^{-27} cm^2)	
	3.625	0.375	$0.700 \cdot 10^{-3}$	$0.300 \cdot 10^{-3}$	$0.110 \cdot 10^{-3}$	Struczinski, NPB108,45-76	
$A_2^+ \rightarrow 2\pi^+\pi^-$	4.200	0.500	0.00080	0.00030		Eisenberg, PRD5,15-72	
...corrected for branching ratio...			0.00228	0.00086			
$A_2^+ \rightarrow$ idem	5.250		0.00040	0.00020		Ballam, PL30B,421-69	
...corrected for branching ratio...			0.00114	0.00057			
$A_2^+ \rightarrow$ idem	5.250	0.550	0.00060	0.00030		Eisenberg, PRD5,15-72	
...corrected for branching ratio...			0.00171	0.00086			
Threshold	2.229						
106. $\gamma p \rightarrow \Delta^{++} \pi^+ \pi^0 2 \pi^-$						(Cross section units: 10^{-27} cm^2)	
	2.925	0.325	$0.100 \cdot 10^{-2}$	$0.200 \cdot 10^{-3}$	$0.150 \cdot 10^{-3}$	Struczinski, NPB108,45-76	
$\Delta^{++} \rightarrow [p \pi^+]$							
	4.300		0.00240	0.00080		Eisenberg, PRL22,669-69	
	5.000	1.000	0.00130	0.00030	0.00020	Struczinski, NPB108,45-76	
$\Delta^{++} \rightarrow$ idem	5.250		0.00390	0.00150		Ballam, PL30B,421-69	
Threshold	1.240						
107. $\gamma p \rightarrow \Delta^{++} \pi^+ 2 \pi^-$						(Cross section units: 10^{-27} cm^2)	
$\Delta^{++} \rightarrow [p \pi^+]$							
	1.800	0.700	0.00070	0.00020		Erbe, PR188,2060-69	
	2.350	0.250	0.00190	0.00050	0.00028	Struczinski, NPB108,45-76	
	2.925	0.325	$0.110 \cdot 10^{-2}$	$0.500 \cdot 10^{-3}$	$0.170 \cdot 10^{-3}$	Struczinski, NPB108,45-76	
$\Delta^{++} \rightarrow$ idem	3.200	0.500	0.00290	0.00080		Alexander, PRD8,1965-73	
	3.625	0.375	$0.900 \cdot 10^{-3}$	$0.400 \cdot 10^{-3}$	$0.130 \cdot 10^{-3}$	Struczinski, NPB108,45-76	
$\Delta^{++} \rightarrow$ idem	4.000	0.500	0.00160	0.00060		Erbe, PR188,2060-69	
$\Delta^{++} \rightarrow$ idem	4.200	0.500	0.00190	0.00040		Alexander, PRD8,1965-73	
$\Delta^{++} \rightarrow$ idem	4.300		0.00310	0.00110		Eisenberg, PRL22,669-69	
	4.500	0.500	0.00150	0.00030	0.00022	Struczinski, NPB108,45-76	
$\Delta^{++} \rightarrow$ idem	5.150	0.650	0.00220	0.00070		Erbe, PR188,2060-69	
$\Delta^{++} \rightarrow$ idem	5.250	0.550	0.00200	0.00050		Alexander, PRD8,1965-73	
	5.500	0.500	$0.700 \cdot 10^{-3}$	$0.200 \cdot 10^{-3}$	$0.100 \cdot 10^{-3}$	Struczinski, NPB108,45-76	
$\Delta^{++} \rightarrow$ idem	7.500	0.700	0.00170	0.00030		Alexander, PRD8,1965-73	
Threshold	0.992						
108. $\gamma p \rightarrow \Delta^{++} \pi^0 \pi^-$						(Cross section units: 10^{-27} cm^2)	
	1.850	0.250	$0.500 \cdot 10^{-3}$	$0.300 \cdot 10^{-3}$	$0.800 \cdot 10^{-4}$	Struczinski, NPB108,45-76	
	2.350	0.250	$0.800 \cdot 10^{-3}$	$0.500 \cdot 10^{-3}$	$0.120 \cdot 10^{-3}$	Struczinski, NPB108,45-76	
	2.925	0.325	$0.120 \cdot 10^{-2}$	$0.300 \cdot 10^{-3}$	$0.180 \cdot 10^{-3}$	Struczinski, NPB108,45-76	
	3.625	0.375	$0.800 \cdot 10^{-3}$	$0.300 \cdot 10^{-3}$	$0.120 \cdot 10^{-3}$	Struczinski, NPB108,45-76	
	4.200	0.500	0.00050	0.00040		Eisenberg, PRD5,15-72	
	4.500	0.500	$0.400 \cdot 10^{-3}$	$0.200 \cdot 10^{-3}$	$0.600 \cdot 10^{-4}$	Struczinski, NPB108,45-76	
	5.250	0.550	0.00060	0.00030		Eisenberg, PRD5,15-72	
	5.650	0.650	$0.300 \cdot 10^{-3}$	$0.200 \cdot 10^{-3}$	$0.400 \cdot 10^{-4}$	Struczinski, NPB108,45-76	
Threshold	0.748						

Reaction	P_{lab} (GeV/c)	$\Delta P_{lab} \pm$	Cross Section	Error \pm	Syst \pm Error	Reference	Foot- Notes
109. $\gamma p \rightarrow \Delta^{++}_{1236} \pi^-$						(Cross section units: 10^{-27} cm^2)	
	0.425	0.025	0.00400	0.00080		Erbe,PR175,1669-68	
	0.425	0.075	0.00560	0.00140		Gianello,NCA63,892-69	
	0.475	0.025	0.01380	0.00140		Erbe,PR175,1669-68	
	0.525	0.025	0.04000	0.00500		Gianello,NCA63,892-69	
	0.550	0.050	0.04420	0.00400		Crouch,PR163,1510-67	
	0.575	0.025	0.05000	0.00500		Gianello,NCA63,892-69	
	0.580		0.06900	0.00260		Allaby,PR142,887-66	
	0.600		0.06810	0.00220		Allaby,PR142,887-66	
	0.625	0.025	0.07100	0.00700		Gianello,NCA63,892-69	
	0.630		0.07340	0.00790		Allaby,PR142,887-66	
	0.650	0.050	0.06950	0.00600		Crouch,PR163,1510-67	
	0.675	0.025	0.07200	0.01000		Gianello,NCA63,892-69	
	0.700		0.06590	0.00350		Allaby,PR142,887-66	
	0.725	0.025	0.05900	0.00900		Gianello,NCA63,892-69	
	0.750	0.050	0.07650	0.00660		Crouch,PR163,1510-67	
	0.775	0.025	0.04100	0.00900		Gianello,NCA63,892-69	
	0.800		0.04670	0.00520		Allaby,PR142,887-66	
	0.825	0.025	0.03100	0.00800		Gianello,NCA63,892-69	
	0.850	0.050	0.05340	0.00600		Crouch,PR163,1510-67	
	0.875	0.025	0.04800	0.00850		Gianello,NCA63,892-69	
	0.900		0.04690	0.00520		Allaby,PR142,887-66	
	0.925	0.025	0.05480	0.00610		Erbe,PR175,1669-68	
$\Delta^{++}_{1236} \rightarrow [p \pi^+]$							
	0.934		0.04500	0.00240		Hauser,PR160,1215-67	
	0.950	0.050	0.05700	0.00600		Gianello,NCA63,892-69	
	0.975	0.025	0.05120	0.00550		Erbe,PR175,1669-68	
$\Delta^{++}_{1236} \rightarrow \text{idem}$	0.985		0.04590	0.00250		Hauser,PR160,1215-67	
$\Delta^{++}_{1236} \rightarrow \text{idem}$	1.034		0.04290	0.00380		Hauser,PR160,1215-67	
	1.050	0.050	0.04450	0.00360		Erbe,PR175,1669-68	
$\Delta^{++}_{1236} \rightarrow \text{idem}$	1.086		0.03910	0.00320		Hauser,PR160,1215-67	
	1.125	0.025	0.03000	0.00280		Erbe,PR175,1669-68	
$\Delta^{++}_{1236} \rightarrow \text{idem}$	1.136		0.02920	0.00300		Hauser,PR160,1215-67	
	1.175	0.025	0.02200	0.00280		Erbe,PR175,1669-68	
$\Delta^{++}_{1236} \rightarrow \text{idem}$	1.187		0.03080	0.00350		Hauser,PR160,1215-67	
	1.200	0.100	0.02900	0.00400		Crouch,PR163,1510-67	
	1.225	0.025	0.02250	0.00300		Erbe,PR175,1669-68	
$\Delta^{++}_{1236} \rightarrow \text{idem}$	1.236		0.01990	0.00350		Hauser,PR160,1215-67	
	1.275	0.025	0.01950	0.00250		Erbe,PR175,1669-68	
$\Delta^{++}_{1236} \rightarrow \text{idem}$	1.289		0.01820	0.00350		Hauser,PR160,1215-67	
	1.325	0.025	0.01850	0.00250		Erbe,PR175,1669-68	
	1.375	0.025	0.01370	0.00220		Erbe,PR175,1669-68	
	1.450	0.050	0.01550	0.00200		Erbe,PR175,1669-68	
	1.550	0.050	0.01520	0.00160		Erbe,PR175,1669-68	
	1.650	0.050	0.01220	0.00150		Erbe,PR175,1669-68	
	1.750	0.150	0.00610	0.00100	0.00091	Struczinski,NPB108,45-76	
	1.750	0.050	0.01540	0.00150		Erbe,PR175,1669-68	
	1.900	0.100	0.00960	0.00100		Erbe,PR175,1669-68	
	2.000	0.100	0.00540	0.00090	0.00081	Struczinski,NPB108,45-76	
	2.100	0.100	0.00620	0.00100		Erbe,PR175,1669-68	
	2.200	0.100	0.00420	0.00080	0.00063	Struczinski,NPB108,45-76	
	2.350	0.150	0.00610	0.00070		Erbe,PR175,1669-68	
	2.450	0.150	0.00380	0.00060	0.00057	Struczinski,NPB108,45-76	
	2.750	0.250	0.00300	0.00060		Erbe,PR175,1669-68	
$\Delta^{++}_{1236} \rightarrow \text{idem}$	2.800	0.500	0.00360	0.00040		Ballam,PRD5,545-72	
	2.925	0.325	0.00290	0.00050	0.00043	Struczinski,NPB108,45-76	
$\Delta^{++}_{1236} \rightarrow \text{idem}$	3.000	1.000	0.00350	0.00120		Davies,PRD1,790-69	
	3.250	0.250	0.00380	0.00060		Erbe,PR175,1669-68	
	3.625	0.375	0.00170	0.00050	0.00025	Struczinski,NPB108,45-76	
	4.000	0.500	0.00190	0.00050		Erbe,PR175,1669-68	
$\Delta^{++}_{1236} \rightarrow \text{idem}$	4.300		0.00140	0.00030		Eisenberg,PRL22,669-69	
	4.500	0.500	$0.120 \cdot 10^{-2}$	$0.200 \cdot 10^{-3}$	$0.180 \cdot 10^{-3}$	Struczinski,NPB108,45-76	
$\Delta^{++}_{1236} \rightarrow \text{idem}$	4.700	0.600	$0.100 \cdot 10^{-2}$	$0.100 \cdot 10^{-3}$		Ballam,PRD5,545-72	
	5.150	1.050	0.00124	0.00025		Struczinski,NPB57,1-73	
$\Delta^{++}_{1236} \rightarrow \text{idem}$	5.250		0.00170	0.00040		Ballam,PL30B,421-69	

Reaction	P_{lab} (GeV/c)	$\Delta P_{lab} \pm$	Cross Section	Error \pm	Syst \pm Error	Reference	Foot- Notes
109. $\gamma p \rightarrow \Delta^{++}_{1236} \pi^-$ (Continued)						(Cross section units: 10^{-27} cm^2)	
	5.650	0.650	$0.900 \cdot 10^{-3}$	$0.200 \cdot 10^{-3}$	$0.130 \cdot 10^{-3}$	Struczinski, NPB108,45-76	
$\Delta^{++}_{1236} \rightarrow \text{idem}$	6.000	2.000	0.00080	0.00040		Davies, PRD1,790-69	
	9.300	0.600	$0.320 \cdot 10^{-3}$	$0.400 \cdot 10^{-4}$		Ballam, PRD7,3150-73	
$\Delta^{++}_{1236} \rightarrow \text{idem}$	12.000	4.000	0.00030	0.00020		Davies, PRD1,790-69	
Threshold	0.540						
110. $\gamma p \rightarrow \Delta^{++}_{1236} \pi^- \rho^0$						(Cross section units: 10^{-27} cm^2)	
	3.050	0.950	$0.300 \cdot 10^{-3}$	$0.200 \cdot 10^{-3}$	$0.400 \cdot 10^{-4}$	Struczinski, NPB108,45-76	
$\Delta^{++}_{1236} \rightarrow [p \pi^+] \& \rho^0 \rightarrow [\pi^+ \pi^-]$	4.200	0.500	0.00060	0.00020		Alexander, PRD8,1965-73	
$\Delta^{++}_{1236} \rightarrow \text{idem}$	4.400	1.900	0.00030	0.00020		Schacht, NPB81,205-74	
	5.000	1.000	$0.300 \cdot 10^{-3}$	$0.200 \cdot 10^{-3}$	$0.400 \cdot 10^{-4}$	Struczinski, NPB108,45-76	
$\Delta^{++}_{1236} \rightarrow \text{idem}$	5.250	0.550	0.00160	0.00050		Alexander, PRD8,1965-73	
$\Delta^{++}_{1236} \rightarrow \text{idem}$	7.100	1.900	$0.800 \cdot 10^{-3}$	$0.100 \cdot 10^{-3}$		Schacht, NPB81,205-74	
$\Delta^{++}_{1236} \rightarrow \text{idem}$	7.500	0.700	0.00140	0.00040		Alexander, PRD8,1965-73	
$\Delta^{++}_{1236} \rightarrow \text{idem}$	12.700	5.300	$0.700 \cdot 10^{-3}$	$0.100 \cdot 10^{-3}$		Schacht, NPB81,205-74	
Threshold	2.015						
111. $\gamma p \rightarrow \Delta^{++}_{1236} \pi^- \omega$						(Cross section units: 10^{-27} cm^2)	
$\Delta^{++}_{1236} \rightarrow [p \pi^+] \& \omega \rightarrow [\pi^+ \pi^- \pi^0]$	5.250		0.00056	0.00022		Ballam, PL30B,421-69	
Threshold	2.015						
112. $\gamma p \rightarrow \Delta^{++}_{1236} \rho^-$						(Cross section units: 10^{-27} cm^2)	
	1.600	0.200	0.00140	0.00060		Erbe, PR188,2060-69	
	1.850	0.250	0.00350	0.00060	0.00052	Struczinski, NPB108,45-76	
	2.150	0.350	0.00210	0.00090		Erbe, PR188,2060-69	
	2.350	0.250	0.00280	0.00050	0.00042	Struczinski, NPB108,45-76	
	2.800		0.00170	0.00070		Ballam, LIVERPOOL CONF-69	
	2.925	0.325	$0.900 \cdot 10^{-3}$	$0.400 \cdot 10^{-3}$	$0.130 \cdot 10^{-3}$	Struczinski, NPB108,45-76	
	3.000	0.500	0.00150	0.00060		Erbe, PR188,2060-69	
	3.150	0.350	0.00215	0.00090		Barber, ZPC2,1-79	
	3.625	0.375	$0.500 \cdot 10^{-3}$	$0.200 \cdot 10^{-3}$	$0.700 \cdot 10^{-4}$	Struczinski, NPB108,45-76	
	3.850	0.350	0.00124	0.00023		Barber, ZPC2,1-79	
	4.200	0.500	0.00180	0.00040		Eisenberg, PRD5,15-72	
	4.300		0.00180	0.00040		Eisenberg, PRL25,764-70	
	4.500	0.500	$0.400 \cdot 10^{-3}$	$0.200 \cdot 10^{-3}$	$0.600 \cdot 10^{-4}$	Struczinski, NPB108,45-76	
	4.500	0.300	$0.690 \cdot 10^{-3}$	$0.100 \cdot 10^{-3}$		Barber, ZPC2,1-79	
	4.650	1.150	0.00080	0.00030		Erbe, PR188,2060-69	
	4.700		0.00070	0.00030		Ballam, LIVERPOOL CONF-69	
	5.250	0.550	0.00090	0.00035		Eisenberg, PRD5,15-72	
	5.650	0.650	$0.500 \cdot 10^{-3}$	$0.200 \cdot 10^{-3}$	$0.700 \cdot 10^{-4}$	Struczinski, NPB108,45-76	
	7.500	0.700	0.00110	0.00020		Eisenberg, PRD5,15-72	
	9.000	1.500	$0.700 \cdot 10^{-3}$	$0.100 \cdot 10^{-3}$		Nelson, PRD17,647-78	
Threshold	1.675						
113. $\gamma p \rightarrow \Delta^{++}_{1236} A_1^-$						(Cross section units: 10^{-27} cm^2)	
$\Delta^{++}_{1236} \rightarrow p \pi^+ \& A_1^- \rightarrow \pi^+ 2 \pi^-$	4.400	1.900	$0.200 \cdot 10^{-3}$	$0.100 \cdot 10^{-3}$		Schacht, NPB81,205-74	
		-1.400					
...corrected for branching ratio...			0.00040	0.00020			
$\Delta^{++}_{1236} \rightarrow [p \pi^+] \& A_1^- \rightarrow [\rho^0 \pi^-]$	4.400	1.900	$0.200 \cdot 10^{-3}$	$0.100 \cdot 10^{-3}$		Schacht, NPB81,205-74	
Threshold	2.365						
114. $\gamma p \rightarrow \Delta^{++}_{1236} A_2^-$						(Cross section units: 10^{-27} cm^2)	
$\Delta^{++}_{1236} \rightarrow p \pi^+ \& A_2^- \rightarrow \pi^+ 2 \pi^-$	4.400	1.900	$0.200 \cdot 10^{-3}$	$0.100 \cdot 10^{-3}$		Schacht, NPB81,205-74	
		-1.400					
...corrected for branching ratio...			0.00057	0.00029			
	5.000	1.000	$0.500 \cdot 10^{-3}$	$0.200 \cdot 10^{-3}$	$0.800 \cdot 10^{-4}$	Struczinski, NPB108,45-76	
	5.250		0.00070	0.00030		Ballam, PL30B,421-69	

Reaction	P_{lab} (GeV/c)	$\Delta P_{lab} \pm$	Cross Section	Error \pm	Syst \pm Error	Reference	Foot- Notes
114. $\gamma p \rightarrow \Delta^{++} A_2^-$ (Continued)			(Cross section units: 10^{-27} cm^2)				
$A_2^- \rightarrow \rho^0 \pi^-$ & ($\rho^0 \rightarrow \pi^+ \pi^-$)	9.300	0.279	$0.280 \cdot 10^{-3}$	$0.800 \cdot 10^{-4}$		Ballam, NPB76,375-74	
...corrected for branching ratio...			0.00080	0.00023			
Threshold	2.985						
115. $\gamma p \rightarrow \Delta^+_{1236} \pi^+ \pi^-$			(Cross section units: 10^{-27} cm^2)				
$\Delta^+_{1236} \rightarrow p \pi^0$	1.850	0.250	$0.400 \cdot 10^{-3}$	$0.300 \cdot 10^{-3}$	$0.900 \cdot 10^{-4}$	Struczinski, NPB108,45-76	
...corrected for branching ratio...			$0.604 \cdot 10^{-3}$	$0.453 \cdot 10^{-3}$	$0.136 \cdot 10^{-3}$		
$\Delta^+_{1236} \rightarrow \text{idem}$	2.350	0.250	0.00120	0.00050	0.00027	Struczinski, NPB108,45-76	
...corrected for branching ratio...			0.00181	0.00075	0.00041		
$\Delta^+_{1236} \rightarrow \text{idem}$	2.925	0.325	0.00110	0.00030	0.00025	Struczinski, NPB108,45-76	
...corrected for branching ratio...			0.00166	0.00045	0.00038		
$\Delta^+_{1236} \rightarrow \text{idem}$	3.625	0.375	$0.800 \cdot 10^{-3}$	$0.300 \cdot 10^{-3}$	$0.180 \cdot 10^{-3}$	Struczinski, NPB108,45-76	
...corrected for branching ratio...			0.00121	0.00045	0.00027		
$\Delta^+_{1236} \rightarrow [p \pi^0]$	5.250		0.00257	0.00075		Ballam, PL30B,421-69	
	7.500	0.700	0.00050	0.00020		Eisenberg, PRD5,15-72	
Threshold	0.756						
116. $\gamma p \rightarrow \Delta^+_{1236} \rho^0$			(Cross section units: 10^{-27} cm^2)				
$\Delta^+_{1236} \rightarrow n \pi^+$	2.350	0.250	$0.250 \cdot 10^{-3}$	$0.100 \cdot 10^{-3}$	$0.110 \cdot 10^{-3}$	Struczinski, NPB108,45-76	
...corrected for branching ratio...			0.00075	0.00030	0.00033		
$\Delta^+_{1236} \rightarrow \text{idem}$	2.925	0.325	$0.160 \cdot 10^{-3}$	$0.100 \cdot 10^{-3}$	$0.700 \cdot 10^{-4}$	Struczinski, NPB108,45-76	
...corrected for branching ratio...			0.00048	0.00030	0.00021		
$\Delta^+_{1236} \rightarrow \text{idem}$	3.625	0.375	$0.210 \cdot 10^{-3}$	$0.100 \cdot 10^{-3}$	$0.100 \cdot 10^{-3}$	Struczinski, NPB108,45-76	
...corrected for branching ratio...			0.00063	0.00030	0.00030		
$\Delta^+_{1236} \rightarrow p \pi^0$	4.300		0.00030	0.00020		Eisenberg, PRL25,764-70	
...corrected for branching ratio...	4.500	0.500	$0.700 \cdot 10^{-3}$	$0.200 \cdot 10^{-3}$	$0.160 \cdot 10^{-3}$	Struczinski, NPB108,45-76	
			0.00106	0.00030	0.00024		
$\Delta^+_{1236} \rightarrow \text{idem}$	4.650	1.150	0.00050	0.00030		Erbe, PR188,2060-69	
...corrected for branching ratio...			0.00075	0.00045			
	5.250	0.550	0.00050	0.00020		Eisenberg, PRD5,15-72	
$\Delta^+_{1236} \rightarrow \text{idem}$	5.650	0.650	$0.600 \cdot 10^{-3}$	$0.200 \cdot 10^{-3}$	$0.140 \cdot 10^{-3}$	Struczinski, NPB108,45-76	
...corrected for branching ratio...			0.00091	0.00030	0.00021		
	7.500	0.700	0.00030	0.00020		Eisenberg, PRD5,15-72	
Threshold	1.703						
117. $\gamma p \rightarrow \Delta^+_{1236} \omega$			(Cross section units: 10^{-27} cm^2)				
	3.150	0.350	0.00470	0.00080		Barber, ZPC26,343-84	
	3.850	0.350	0.00310	0.00030		Barber, ZPC26,343-84	
	4.500	0.300	0.00250	0.00030		Barber, ZPC26,343-84	
Threshold	1.703						
118. $\gamma p \rightarrow \Delta^0_{1236} \pi^+$			(Cross section units: 10^{-27} cm^2)				
	0.950	0.050	0.02270	0.01260		Crouch, PR163,1510-67	
	1.200	0.100	0.00810	0.00270		Erbe, PR175,1669-68	
	1.650	0.150	0.00390	0.00210		Erbe, PR175,1669-68	
$\Delta^0_{1236} \rightarrow p \pi^-$	1.750	0.150	0.00090	0.00060	0.00041	Struczinski, NPB108,45-76	
...corrected for branching ratio...			0.00272	0.00181	0.00124		
$\Delta^0_{1236} \rightarrow [p \pi^-]$	1.800	0.400	0.00300	0.00200		Crouch, PR156,1426-67	
$\Delta^0_{1236} \rightarrow p \pi^-$	2.800	0.500	0.00050	0.00020		Ballam, PRD5,545-72	
		-0.400					
...corrected for branching ratio...			0.00151	0.00060			
	3.000	0.500	0.00380	0.00080		Erbe, PR175,1669-68	
$\Delta^0_{1236} \rightarrow \text{idem}$	4.500	0.500	$0.400 \cdot 10^{-3}$	$0.100 \cdot 10^{-3}$	$0.180 \cdot 10^{-3}$	Struczinski, NPB108,45-76	
...corrected for branching ratio...			0.00121	0.00030	0.00054		
	4.650	1.150	0.00080	0.00040		Erbe, PR175,1669-68	
$\Delta^0_{1236} \rightarrow \text{idem}$	4.700	0.600	$0.160 \cdot 10^{-3}$	$0.900 \cdot 10^{-4}$		Ballam, PRD5,545-72	
...corrected for branching ratio...			0.00048	0.00027			
$\Delta^0_{1236} \rightarrow [p \pi^-]$	5.150	1.050	0.00120	0.00050		Struczinsky, NPB57,1-73	
$\Delta^0_{1236} \rightarrow p \pi^-$	5.650	0.650	$0.300 \cdot 10^{-3}$	$0.100 \cdot 10^{-3}$	$0.140 \cdot 10^{-3}$	Struczinski, NPB108,45-76	
...corrected for branching ratio...			0.00091	0.00030	0.00042		
Threshold	0.540						

Reaction	P_{lab} (GeV/c)	$\Delta P_{lab} \pm$	Cross Section	Error \pm	Syst \pm Error	Reference	Foot- Notes
119. $\gamma p \rightarrow \Delta^0_{1236} 2 \pi^+ \pi^-$ $\Delta^0_{1236} \rightarrow p \pi^-$	12.700	5.300 -3.700	$0.200 \cdot 10^{-3}$	$0.500 \cdot 10^{-4}$		(Cross section units: 10^{-27} cm^2) Schacht, NPB81,205-74	
...corrected for branching ratio...			$0.604 \cdot 10^{-3}$	$0.151 \cdot 10^{-3}$			
Threshold	0.992						
120. $\gamma p \rightarrow \Delta^0_{1236} \rho^+$ $\Delta^0_{1236} \rightarrow p \pi^-$	1.600	0.200	0.00120	0.00090		(Cross section units: 10^{-27} cm^2) Erbe, PR188,2060-69	
...corrected for branching ratio...	4.300		0.00362	0.00272			
$\Delta^0_{1236} \rightarrow \text{idem}$	4.650	1.150	0.00060	0.00030		Eisenberg, PRL25,764-70 Erbe, PR188,2060-69	
...corrected for branching ratio...	5.250	0.550	0.00040	0.00030			
$\Delta^0_{1236} \rightarrow \text{idem}$	7.500	0.700	$0.250 \cdot 10^{-3}$	$0.150 \cdot 10^{-3}$		Eisenberg, PRD5,15-72 Ballam, PRL26,995-71	
...corrected for branching ratio...			0.00075	0.00045			
Threshold	1.675						
121. $\gamma p \rightarrow \Delta^-_{1236} 2 \pi^+$	1.850	0.250	0.00213	0.00040	0.00032	(Cross section units: 10^{-27} cm^2) Struczinski, NPB108,45-76	
	2.350	0.250	0.00160	0.00025	0.00024	Struczinski, NPB108,45-76	
	2.925	0.325	$0.117 \cdot 10^{-2}$	$0.300 \cdot 10^{-3}$	$0.200 \cdot 10^{-4}$	Struczinski, NPB108,45-76	
	3.625	0.375	$0.670 \cdot 10^{-3}$	$0.160 \cdot 10^{-3}$	$0.100 \cdot 10^{-3}$	Struczinski, NPB108,45-76	
	4.200	0.500	0.00140	0.00040		Eisenberg, PRD5,15-72	
	5.250	0.550	0.00050	0.00030		Eisenberg, PRD5,15-72	
Threshold	0.756						
122. $\gamma p \rightarrow \Delta^-_{1236} 3 \pi^+ \pi^-$	2.925	0.325	$0.400 \cdot 10^{-3}$	$0.200 \cdot 10^{-3}$	$0.600 \cdot 10^{-4}$	(Cross section units: 10^{-27} cm^2) Struczinski, NPB108,45-76	
	5.000	1.000	$0.500 \cdot 10^{-3}$	$0.200 \cdot 10^{-3}$	$0.800 \cdot 10^{-4}$	Struczinski, NPB108,45-76	
Threshold	1.250						
123. $\gamma p \rightarrow \rho^0$ Anything	2.800		0.00600	0.00120		(Cross section units: 10^{-27} cm^2) Kogan, NPB122,383-77	
	4.700		0.01310	0.00120		Kogan, NPB122,383-77	
	9.300		0.02050	0.00110		Kogan, NPB122,383-77	
$\rho^0 \rightarrow [\pi^+ \pi^-]$	39.000	31.000	0.02160	0.00100	0.00220	Atkinson, NPB245,189-84	
124. $\gamma p \rightarrow \omega$ Anything $\omega \rightarrow [\pi^+ \pi^- \pi^0]$	39.000	31.000	0.01580	0.00240	0.00220	(Cross section units: 10^{-27} cm^2) Atkinson, NPB245,189-84	
125. $\gamma p \rightarrow \psi$ Anything	105.000	55.000	$0.215 \cdot 10^{-4}$	$0.210 \cdot 10^{-5}$	$0.140 \cdot 10^{-5}$	(Cross section units: 10^{-27} cm^2) Denby, PRL52,795-84	
126. $\gamma p \rightarrow \psi'$ Anything	105.000	55.000	$0.196 \cdot 10^{-4}$	$0.210 \cdot 10^{-5}$	$0.140 \cdot 10^{-5}$	(Cross section units: 10^{-27} cm^2) Denby, PRL52,795-84	
127. $\gamma p \rightarrow K^0_S \bar{\Lambda}$ Anything	20.000		$0.230 \cdot 10^{-4}$	$0.900 \cdot 10^{-5}$		(Cross section units: 10^{-27} cm^2) Abe, PRD32,2869-85	EL
128. $\gamma p \rightarrow K^0_S$ Anything	20.000		0.00966	0.00027		(Cross section units: 10^{-27} cm^2) Abe, PRD32,2869-85	EL
129. $\gamma p \rightarrow 2 K^0_S$ Anything	20.000		$0.973 \cdot 10^{-3}$	$0.400 \cdot 10^{-4}$		(Cross section units: 10^{-27} cm^2) Abe, PRD32,2869-85	EL
130. $\gamma p \rightarrow K^{*+}_{890}$ Anything	20.000		0.00327	0.00035		(Cross section units: 10^{-27} cm^2) Abe, PRD29,1877-84	
131. $\gamma p \rightarrow K^{*-}_{890}$ Anything	20.000		0.00190	0.00028		(Cross section units: 10^{-27} cm^2) Abe, PRD29,1877-84	

EL = Errors include both statistical and systematic contributions

Reaction	P_{lab} (GeV/c)	$\Delta P_{lab} \pm$	Cross Section	Error \pm	Syst \pm Error	Reference	Foot- Notes
132. $\gamma p \rightarrow$ Charmed Particles	20.000		$0.620 \cdot 10^{-4}$	$0.800 \cdot 10^{-5}$		(Cross section units: 10^{-27} cm^2) Abe, PRD33,1-86	
					$0.150 \cdot 10^{-4}$ $-.100 \cdot 10^{-4}$		
133. $\gamma p \rightarrow D_c \bar{D}_c$ Anything	20.000		$0.170 \cdot 10^{-4}$	$0.800 \cdot 10^{-5}$		(Cross section units: 10^{-27} cm^2) Abe, PRD33,1-86	
				$-.600 \cdot 10^{-5}$			
134. $\gamma p \rightarrow D_c^0$ Anything	45.000	25.000	$0.525 \cdot 10^{-3}$	$0.140 \cdot 10^{-3}$		(Cross section units: 10^{-27} cm^2) Aston, PL94B,113-80	
135. $\gamma p \rightarrow D_c^{*+}$ Anything	100.000	20.000	$0.980 \cdot 10^{-4}$	$0.310 \cdot 10^{-4}$	$0.320 \cdot 10^{-4}$	(Cross section units: 10^{-27} cm^2) Sliwa, PRD32,1053-85	
	140.000	20.000	$0.105 \cdot 10^{-3}$	$0.390 \cdot 10^{-4}$		Sliwa, PRD32,1053-85	
				$-.330 \cdot 10^{-4}$			
136. $\gamma p \rightarrow F_c^+ F_c^-$ Anything						(Cross section units: 10^{-27} cm^2)	
$F_c^+ \rightarrow \eta 2 \pi^+ \pi^-$ & $F_c^- \rightarrow \eta' \pi^+ 2 \pi^-$	39.000	31.000	$0.200 \cdot 10^{-4}$	$0.100 \cdot 10^{-4}$		Aston, PL100B,91-81	
$F_c^+ \rightarrow \eta \pi^+ \pi^-$ & $F_c^- \rightarrow \eta \pi^-$	39.000	31.000	$0.380 \cdot 10^{-4}$	$0.140 \cdot 10^{-4}$		Atkinson, ZPC17,1-83	
$F_c^+ \rightarrow \eta 2 \pi^+ \pi^-$ & $F_c^- \rightarrow \eta \pi^+ 2 \pi^-$	39.000	31.000	$0.930 \cdot 10^{-4}$	$0.520 \cdot 10^{-4}$		Atkinson, ZPC17,1-83	
$F_c^+ \rightarrow \eta \pi^+ \pi^0$ & $F_c^- \rightarrow \eta \pi^- \pi^0$	39.000	31.000	$0.660 \cdot 10^{-4}$	$0.420 \cdot 10^{-4}$		Atkinson, ZPC17,1-83	
137. $\gamma p \rightarrow \bar{\Xi}^-$ Anything	20.000		$0.100 \cdot 10^{-4}$	$0.400 \cdot 10^{-5}$		(Cross section units: 10^{-27} cm^2) Abe, PRD32,2869-85	EL
138. $\gamma p \rightarrow \bar{\Lambda}$ Anything	20.000	2.000	$0.329 \cdot 10^{-3}$	$0.400 \cdot 10^{-4}$		(Cross section units: 10^{-27} cm^2) Abe, PRD29,1877-84	
	20.000		$0.389 \cdot 10^{-3}$	$0.360 \cdot 10^{-4}$		Abe, PRD32,2869-85	EL
139. $\gamma n \rightarrow$ Total						(Cross section units: 10^{-27} cm^2)	
	0.265		0.31250	0.01200		Armstrong, NPB41,445-72	
	0.290		0.39300	0.01260		Armstrong, NPB41,445-72	
	0.315		0.44010	0.01290		Armstrong, NPB41,445-72	
	0.340		0.45820	0.01310		Armstrong, NPB41,445-72	
	0.365		0.37740	0.01290		Armstrong, NPB41,445-72	
	0.390		0.33290	0.01240		Armstrong, NPB41,445-72	
	0.415		0.29960	0.01190		Armstrong, NPB41,445-72	
	0.440		0.27150	0.01110		Armstrong, NPB41,445-72	
	0.465		0.21650	0.01090		Armstrong, NPB41,445-72	
	0.490		0.22970	0.01080		Armstrong, NPB41,445-72	
	0.515		0.18610	0.01040		Armstrong, NPB41,445-72	
	0.540		0.15510	0.01020		Armstrong, NPB41,445-72	
	0.565		0.20200	0.00770		Armstrong, NPB41,445-72	
	0.590		0.20730	0.00770		Armstrong, NPB41,445-72	
	0.615		0.20640	0.00790		Armstrong, NPB41,445-72	
	0.640		0.21930	0.00820		Armstrong, NPB41,445-72	
	0.665		0.22750	0.00840		Armstrong, NPB41,445-72	
	0.690		0.23840	0.00870		Armstrong, NPB41,445-72	
	0.715		0.21500	0.00890		Armstrong, NPB41,445-72	
	0.740		0.24940	0.00890		Armstrong, NPB41,445-72	
	0.765		0.21330	0.00900		Armstrong, NPB41,445-72	
	0.790		0.20230	0.00900		Armstrong, NPB41,445-72	
	0.815		0.19690	0.00910		Armstrong, NPB41,445-72	
	0.840		0.17970	0.00900		Armstrong, NPB41,445-72	
	0.865		0.16930	0.00900		Armstrong, NPB41,445-72	
	0.890		0.16420	0.00880		Armstrong, NPB41,445-72	
	0.915		0.14630	0.00890		Armstrong, NPB41,445-72	
	0.940		0.12800	0.00880		Armstrong, NPB41,445-72	
	0.965		0.15550	0.00900		Armstrong, NPB41,445-72	

EL = Errors include both statistical and systematic contributions

Reaction	P_{lab} (GeV/c)	$\Delta P_{\text{lab}} \pm$	Cross Section	Error \pm	Syst \pm Error	Reference	Foot- Notes
139. $\gamma n \rightarrow$ Total (Continued)						(Cross section units: 10^{-27} cm^2)	
	0.990		0.14890	0.00920		Armstrong,NPB41,445-72	
	1.015		0.14350	0.00940		Armstrong,NPB41,445-72	
	1.040		0.13980	0.00930		Armstrong,NPB41,445-72	
	1.065		0.15730	0.00940		Armstrong,NPB41,445-72	
	1.090		0.14790	0.00950		Armstrong,NPB41,445-72	
	1.115		0.14930	0.00930		Armstrong,NPB41,445-72	
	1.165		0.14030	0.00930		Armstrong,NPB41,445-72	
	1.190		0.12580	0.00950		Armstrong,NPB41,445-72	
	1.215		0.13540	0.00950		Armstrong,NPB41,445-72	
	1.240		0.13940	0.00940		Armstrong,NPB41,445-72	
	1.265		0.14020	0.00940		Armstrong,NPB41,445-72	
	1.290		0.13640	0.00960		Armstrong,NPB41,445-72	
	1.315		0.13250	0.00950		Armstrong,NPB41,445-72	
	1.340		0.14550	0.00980		Armstrong,NPB41,445-72	
	1.365		0.13260	0.00980		Armstrong,NPB41,445-72	
	1.390		0.13970	0.01040		Armstrong,NPB41,445-72	
	1.415		0.12860	0.00990		Armstrong,NPB41,445-72	
	1.440		0.12600	0.00990		Armstrong,NPB41,445-72	
	1.450		0.14130	0.01190		Meyer,PL33B,189-70	
	1.465		0.13140	0.01020		Armstrong,NPB41,445-72	
	1.490		0.13780	0.01040		Armstrong,NPB41,445-72	
	1.515		0.13530	0.00850		Armstrong,NPB41,445-72	
	1.540		0.12640	0.00830		Armstrong,NPB41,445-72	
	1.565		0.14710	0.00830		Armstrong,NPB41,445-72	
	1.590		0.16500	0.00860		Armstrong,NPB41,445-72	
	1.615		0.13110	0.00860		Armstrong,NPB41,445-72	
	1.640		0.12610	0.00840		Armstrong,NPB41,445-72	
	1.665		0.13480	0.00790		Armstrong,NPB41,445-72	
	1.690		0.12770	0.00770		Armstrong,NPB41,445-72	
	1.740		0.12950	0.00790		Armstrong,NPB41,445-72	
	1.750		0.14130	0.01150		Meyer,PL33B,189-70	
	1.765		0.14520	0.00930		Armstrong,NPB41,445-72	
	1.790		0.14530	0.00940		Armstrong,NPB41,445-72	
	1.815		0.15980	0.00960		Armstrong,NPB41,445-72	
	1.840		0.13230	0.00950		Armstrong,NPB41,445-72	
	1.865		0.12340	0.00950		Armstrong,NPB41,445-72	
	1.890		0.12120	0.00980		Armstrong,NPB41,445-72	
	1.915		0.13330	0.00950		Armstrong,NPB41,445-72	
	1.940		0.14340	0.00990		Armstrong,NPB41,445-72	
	2.000		0.13000	0.00380		Armstrong,NPB41,445-72	
	2.050		0.12210	0.01080		Meyer,PL33B,189-70	
	2.200		0.12920	0.00440		Armstrong,NPB41,445-72	
	2.350		0.12250	0.01270		Meyer,PL33B,189-70	
	2.400		0.12340	0.00450		Armstrong,NPB41,445-72	
	2.600		0.12130	0.00460		Armstrong,NPB41,445-72	
	2.650		0.12950	0.01360		Meyer,PL33B,189-70	
	2.800		0.12540	0.00340		Armstrong,NPB41,445-72	
	2.950		0.14050	0.01110		Meyer,PL33B,189-70	
	3.000		0.13040	0.00340		Armstrong,NPB41,445-72	
	3.200		0.13220	0.00370		Armstrong,NPB41,445-72	
	3.250		0.12370	0.01040		Meyer,PL33B,189-70	
	3.400		0.11920	0.00400		Armstrong,NPB41,445-72	
	3.550		0.12020	0.01120		Meyer,PL33B,189-70	
	3.600		0.12420	0.00410		Armstrong,NPB41,445-72	
	3.700		0.11430	0.00910		Caldwell,PRD7,1362-73	
	3.800		0.12230	0.00410		Armstrong,NPB41,445-72	
	3.850		0.11730	0.01190		Meyer,PL33B,189-70	
	3.940		0.12190	0.00970		Caldwell,PRD7,1362-73	
	4.000		0.11250	0.00410		Armstrong,NPB41,445-72	
	4.150		0.11790	0.01040		Meyer,PL33B,189-70	
	4.190		0.11430	0.01010		Caldwell,PRD7,1362-73	
	4.300	0.700	0.12820	0.00700		Eisenberg,NPB104,61-76	
	4.430		0.12300	0.01180		Caldwell,PRD7,1362-73	
	4.450		0.11570	0.01010		Meyer,PL33B,189-70	

Reaction	P_{lab} (GeV/c)	$\Delta P_{lab} \pm$	Cross Section	Error \pm	Syst \pm Error	Reference	Foot- Notes
139. $\gamma n \rightarrow$ Total (Continued)						(Cross section units: 10^{-27} cm ²)	
	4.700		0.12300	0.00840		Caldwell, PRD7,1362-73	
	4.750		0.11770	0.00980		Meyer, PL33B,189-70	
	5.010		0.10100	0.00850		Caldwell, PRD7,1362-73	
	5.050		0.13070	0.00890		Meyer, PL33B,189-70	
	5.320		0.12390	0.00900		Caldwell, PRD7,1362-73	
	5.350		0.11630	0.01030		Meyer, PL33B,189-70	
	5.630		0.11590	0.01050		Caldwell, PRD7,1362-73	
	5.650		0.11770	0.00920		Meyer, PL33B,189-70	
	5.950		0.10530	0.00970		Meyer, PL33B,189-70	
	5.980		0.13680	0.01130		Caldwell, PRD7,1362-73	
	6.250		0.10940	0.00950		Meyer, PL33B,189-70	
	6.370		0.11270	0.01130		Caldwell, PRD7,1362-73	
	6.760		0.12550	0.01130		Caldwell, PRD7,1362-73	
	7.160		0.11990	0.01230		Caldwell, PRD7,1362-73	
	7.500		0.11800	0.00800		Alexander, NPB68,1-74	SA
	7.680		0.10000	0.00950		Caldwell, PRD7,1362-73	
	8.180		0.12450	0.01000		Caldwell, PRD7,1362-73	
	8.680		0.13210	0.01030		Caldwell, PRD7,1362-73	
	8.950		0.12730	0.00770		Caldwell, PRD7,1362-73	
	9.190		0.13820	0.01090		Caldwell, PRD7,1362-73	
	9.540		0.10220	0.00760		Caldwell, PRD7,1362-73	
	9.750		0.11340	0.00730		Caldwell, PRD7,1362-73	
	10.120		0.11160	0.00780		Caldwell, PRD7,1362-73	
	10.390		0.11530	0.00770		Caldwell, PRD7,1362-73	
	10.710		0.11580	0.00820		Caldwell, PRD7,1362-73	
	11.030		0.11080	0.00780		Caldwell, PRD7,1362-73	
	11.380		0.10910	0.00810		Caldwell, PRD7,1362-73	
	11.670		0.09360	0.00810		Caldwell, PRD7,1362-73	
	12.120		0.11500	0.00820		Caldwell, PRD7,1362-73	
	12.390		0.11340	0.00640		Caldwell, PRD7,1362-73	
	12.860		0.11930	0.00830		Caldwell, PRD7,1362-73	
	13.200		0.12470	0.00660		Caldwell, PRD7,1362-73	
	13.610		0.10980	0.00900		Caldwell, PRD7,1362-73	
	14.010		0.09590	0.00690		Caldwell, PRD7,1362-73	
	14.820		0.11640	0.00820		Caldwell, PRD7,1362-73	
	14.920		0.11770	0.00820		Caldwell, PRD7,1362-73	
	15.890		0.10350	0.00860		Caldwell, PRD7,1362-73	
	16.870		0.11600	0.01030		Caldwell, PRD7,1362-73	
	17.840		0.10280	0.01300		Caldwell, PRD7,1362-73	
140. $\gamma n \rightarrow$ Strange Particles						(Cross section units: 10^{-27} cm ²)	
	4.300	0.700	0.00900	0.00060		Eisenberg, NPB104,61-762	
141. $\gamma n \rightarrow$ 0 Prongs						(Cross section units: 10^{-27} cm ²)	
	4.300	0.700	0.00680	0.00460		Eisenberg, NPB104,61-76	
	7.500		0.01120	0.00200		Alexander, NPB68,1-74	
142. $\gamma n \rightarrow$ 2 Prongs						(Cross section units: 10^{-27} cm ²)	
	4.300	0.700	0.07290	0.00360		Eisenberg, NPB104,61-76	
	7.500		0.05700	0.00500		Alexander, NPB68,1-74	
143. $\gamma n \rightarrow$ 4 Prongs						(Cross section units: 10^{-27} cm ²)	
	4.300	0.700	0.03600	0.00130		Eisenberg, NPB104,61-76	
	7.500		0.03000	0.00300		Alexander, NPB68,1-74	
144. $\gamma n \rightarrow$ 6 Prongs						(Cross section units: 10^{-27} cm ²)	
	4.300	0.700	0.00350	0.00040		Eisenberg, NPB104,61-76	
	7.500		0.00650	0.00100		Alexander, NPB68,1-74	

SA = Systematic error included

2 = Events with visible neutral strange particle decays

Reaction	P_{lab} (GeV/c)	$\Delta P_{\text{lab}} \pm$	Cross Section	Error \pm	Syst \pm Error	Reference	Foot- Notes
145. $\gamma n \rightarrow 8 \text{ Prongs}$	7.500		$0.500 \cdot 10^{-3}$	$0.100 \cdot 10^{-3}$		(Cross section units: 10^{-27} cm^2) Alexander, NPB68,1-74	
146. $\gamma n \rightarrow \Lambda K^{*0}_{890}$ $K^{*0}_{890} \rightarrow K^+ \pi^-$	3.250	1.250	$0.300 \cdot 10^{-3}$	$0.100 \cdot 10^{-3}$		(Cross section units: 10^{-27} cm^2) Benz, NPB115,385-76	
...corrected for branching ratio...			$0.450 \cdot 10^{-3}$	$0.150 \cdot 10^{-3}$			
Threshold	1.689						
147. $\gamma n \rightarrow p \pi^+ \pi^0 2 \pi^-$	4.300		0.00750	0.00100		(Cross section units: 10^{-27} cm^2) Eisenberg, NPB25,499-71	
	7.500		0.00610	0.00080		Alexander, NPB68,1-74	
Threshold	0.716						
148. $\gamma n \rightarrow p \pi^+ \pi^- \rho^-$	4.300		0.00110	0.00050		(Cross section units: 10^{-27} cm^2) Eisenberg, NPB25,499-71	
Threshold	1.633						
149. $\gamma n \rightarrow p \pi^+ 2 \pi^-$	1.450	0.350	0.00290	0.00060		(Cross section units: 10^{-27} cm^2) Eisenberg, NPB25,499-71	
	2.650	0.850	0.00580	0.00090		Eisenberg, NPB25,499-71	
	4.300		0.00520	0.00060		Eisenberg, NPB25,499-71	
	7.500		0.00310	0.00030		Alexander, NPB115,48-76	
Threshold	0.512						
150. $\gamma n \rightarrow p \pi^0 \pi^-$	0.373	0.019	0.00150	0.00050		(Cross section units: 10^{-27} cm^2) Carbonara, NCA36,219-76	
	0.416	0.019	0.00550	0.00100		Carbonara, NCA36,219-76	
	0.458	0.019	0.01070	0.00150		Carbonara, NCA36,219-76	
	0.501	0.019	0.01480	0.00180		Carbonara, NCA36,219-76	
	0.544	0.019	0.02090	0.00220		Carbonara, NCA36,219-76	
	0.586	0.019	0.02840	0.00280		Carbonara, NCA36,219-76	
	0.629	0.019	0.02690	0.00280		Carbonara, NCA36,219-76	
	0.672	0.018	0.03460	0.00350		Carbonara, NCA36,219-76	
	0.714	0.019	0.04400	0.00400		Carbonara, NCA36,219-76	
	0.756	0.019	0.04060	0.00420		Carbonara, NCA36,219-76	
	0.799	0.019	0.03940	0.00450		Carbonara, NCA36,219-76	
	0.842	0.019	0.05070	0.00570		Carbonara, NCA36,219-76	
	0.885	0.018	0.05510	0.00690		Carbonara, NCA36,219-76	
	0.927	0.019	0.05670	0.00860		Carbonara, NCA36,219-76	
	7.500		0.00180	0.00050		Alexander, NPB68,1-74	
Threshold	0.313						
151. $\gamma n \rightarrow p \pi^0 \pi^- \rho^0$	4.300		0.00180	0.00100		(Cross section units: 10^{-27} cm^2) Eisenberg, NPB25,499-71	
Threshold	1.623						
152. $\gamma n \rightarrow p \pi^-$	0.157		0.07730	0.00480		(Cross section units: 10^{-27} cm^2) Goldwasser, DUBNA64-64	
	0.162		0.08520	0.00500		Goldwasser, DUBNA64-64	
	0.168		0.09720	0.00600		Goldwasser, DUBNA64-64	
	0.173		0.09430	0.00680		Goldwasser, DUBNA64-64	
	0.175		0.11000	0.02000		White, PR120,614-60	
	0.178		0.11870	0.01180		Goldwasser, DUBNA64-64	
	0.183		0.11000	0.01460		Goldwasser, DUBNA64-64	
	0.188		0.12740	0.01770		Goldwasser, DUBNA64-64	
	0.190		0.13220	0.00380		Carbonara, NCA13,59-73	
	0.193		0.14780	0.02630		Goldwasser, DUBNA64-64	
	0.210		0.15660	0.00620	0.00785	Benz, NPB65,158-73	
	0.210	0.010	0.12380	0.01260		Hilpert, NPB8,535-68	
				-0.00830			
	0.211		0.14130	0.00420		Carbonara, NCA13,59-73	
	0.222	0.021	0.14700	0.00460		Chiefari, NCL13,129-75	
	0.225		0.15500	0.02000		White, PR120,614-60	
	0.230		0.17330	0.00690	0.00865	Benz, NPB65,158-73	

Reaction	P_{lab} (GeV/c)	$\Delta P_{\text{lab}} \pm$	Cross Section	Error \pm	Syst \pm Error	Reference	Foot- Notes
152. $\gamma n \rightarrow p \pi^-$ (Continued)						(Cross section units: 10^{-27} cm^2)	
	0.230	0.010	0.14310	0.01450 -0.00950		Hilpert,NPB8,535-68	
	0.233		0.18280	0.00510		Carbonara,NCA13,59-73	
	0.240		0.19757	0.00443	0.01383	Vonholtey,NPB70,379-74	
	0.250		0.22330	0.00790	0.01115	Benz,NPB65,158-73	
	0.250		0.18500	0.00780		Fujii,NPB120,395-77	
	0.250	0.010	0.16470	0.01660 -0.01080		Hilpert,NPB8,535-68	
	0.254	0.011	0.20920	0.00840		Chiefari,NCL13,129-75	
	0.254		0.20100	0.00570		Carbonara,NCA13,59-73	
	0.260		0.23360	0.00610		Fujii,NPB120,395-77	
	0.270		0.25330	0.00880	0.01265	Benz,NPB65,158-73	
	0.270		0.24270	0.00770		Fujii,NPB120,395-77	
	0.270	0.010	0.20980	0.02100 -0.01350		Hilpert,NPB8,535-68	
	0.275	0.011	0.23370	0.00920		Chiefari,NCL13,129-75	
	0.275		0.22000	0.03000		White,PR120,614-60	
	0.275		0.22660	0.00650		Carbonara,NCA13,59-73	
	0.280		0.26670	0.00700		Fujii,NPB120,395-77	
	0.280		0.27292	0.00603	0.01910	Vonholtey,NPB70,379-74	
	0.290		0.28120	0.00950	0.01405	Benz,NPB65,158-73	
	0.290		0.27340	0.00660		Fujii,NPB120,395-77	
	0.290	0.010	0.22080	0.02210 -0.01430		Hilpert,NPB8,535-68	
	0.296	0.011	0.24700	0.00990		Chiefari,NCL13,129-75	
	0.297		0.25090	0.00730		Carbonara,NCA13,59-73	
	0.300		0.29170	0.00650		Fujii,NPB120,395-77	
	0.310		0.28750	0.01000	0.01440	Benz,NPB65,158-73	
	0.310		0.28980	0.00670		Fujii,NPB120,395-77	
	0.310	0.010	0.23310	0.02340 -0.01510		Hilpert,NPB8,535-68	
	0.312		0.23510	0.00730		Carbonara,NCA13,59-73	
	0.317	0.011	0.24990	0.01060		Chiefari,NCL13,129-75	
	0.320		0.27650	0.00660		Fujii,NPB120,395-77	
	0.320		0.28022	0.00589	0.01962	Vonholtey,NPB70,379-74	
	0.325		0.22500	0.03500		White,PR120,614-60	
	0.330		0.24200	0.00910	0.01210	Benz,NPB65,158-73	
	0.330		0.27450	0.00720		Fujii,NPB120,395-77	
	0.330	0.010	0.22460	0.02260 -0.01480		Hilpert,NPB8,535-68	
	0.339	0.011	0.21730	0.01040		Chiefari,NCL13,129-75	
	0.339		0.21490	0.00740		Carbonara,NCA13,59-73	
	0.340		0.25000	0.00550		Fujii,NPB120,395-77	
	0.350		0.20670	0.00910	0.01035	Benz,NPB65,158-73	
	0.350		0.22280	0.00590		Fujii,NPB120,395-77	
	0.350	0.010	0.22170	0.02240 -0.01490		Hilpert,NPB8,535-68	
	0.360		0.21490	0.00540		Fujii,NPB120,395-77	
	0.360		0.21340	0.00426	0.01494	Vonholtey,NPB70,379-74	
	0.367		0.18850	0.00520		Carbonara,NCA13,59-73	
	0.370		0.16450	0.00840	0.00825	Benz,NPB65,158-73	
	0.370		0.20270	0.00520		Fujii,NPB120,395-77	
	0.370	0.010	0.16840	0.01750 -0.01190		Hilpert,NPB8,535-68	
	0.371	0.021	0.17740	0.00720		Chiefari,NCL13,129-75	
	0.375		0.17500	0.03500		White,PR120,614-60	
	0.380		0.18010	0.00510		Fujii,NPB120,395-77	
	0.390		0.16640	0.00860	0.00830	Benz,NPB65,158-73	
	0.390		0.15890	0.00470		Fujii,NPB120,395-77	
	0.390	0.010	0.15010	0.01590 -0.01110		Hilpert,NPB8,535-68	
	0.400		0.15350	0.00500		Fujii,NPB120,395-77	
	0.400		0.15451	0.00316	0.01082	Vonholtey,NPB70,379-74	
	0.410		0.14640	0.00380		Fujii,NPB120,395-77	

Reaction	P_{lab} (GeV/c)	$\Delta P_{lab} \pm$	Cross Section	Error \pm	Syst \pm Error	Reference	Foot- Notes
152. $\gamma n \rightarrow p \pi^-$ (Continued)						(Cross section units: 10^{-27} cm^2)	
	0.413	0.022	0.11920	0.00680		Chieffari,NCL13,129-75	
	0.414		0.14120	0.00480		Carbonara,NCA13,59-73	
	0.420		0.11500	0.00540	0.00575	Benz,NPB65,158-73	
	0.420		0.14200	0.00430		Fujii,NPB120,395-77	
	0.420	0.020	0.12170	0.01240		Hilpert,NPB8,535-68	
				-0.00850			
	0.430		0.14340	0.00640		Fujii,NPB120,395-77	
	0.440		0.12770	0.00400		Fujii,NPB120,395-77	
	0.450		0.12670	0.00450		Fujii,NPB120,395-77	
	0.456		0.11130	0.00460		Carbonara,NCA13,59-73	
	0.460		0.10550	0.00540	0.00530	Benz,NPB65,158-73	
	0.460		0.11690	0.00380		Fujii,NPB120,395-77	
	0.460	0.020	0.09950	0.01040		Hilpert,NPB8,535-68	
				-0.00730			
	0.470		0.12330	0.00330		Fujii,NPB120,395-77	
	0.490		0.10930	0.00210		Fujii,NPB120,395-77	
	0.499		0.10270	0.00480		Carbonara,NCA13,59-73	
	0.500		0.10280	0.00550	0.00515	Benz,NPB65,158-73	
	0.500	0.020	0.09210	0.00980		Hilpert,NPB8,535-68	
				-0.00700			
	0.515		0.10510	0.00270		Fujii,NPB120,395-77	
	0.540		0.08580	0.00560	0.00429	Benz,NPB65,158-73	
	0.540		0.10990	0.00230		Fujii,NPB120,395-77	
	0.540	0.020	0.08580	0.00930		Hilpert,NPB8,535-68	
				-0.00680			
	0.541		0.09660	0.00490		Carbonara,NCA13,59-73	
	0.565		0.10780	0.00270		Fujii,NPB120,395-77	
	0.580		0.09240	0.00590	0.00462	Benz,NPB65,158-73	
	0.580	0.020	0.08030	0.00880		Hilpert,NPB8,535-68	
				-0.00660			
	0.584		0.10270	0.00530		Carbonara,NCA13,59-73	
	0.590		0.10520	0.00270		Fujii,NPB120,395-77	
	0.600		0.09363	0.00163		Scheffler,NPB75,125-74	
	0.615		0.10920	0.00510		Fujii,NPB120,395-77	
	0.620		0.08780	0.00560	0.00439	Benz,NPB65,158-73	
	0.620		0.09448	0.00177		Scheffler,NPB75,125-74	
	0.620	0.020	0.09080	0.00990		Hilpert,NPB8,535-68	
				-0.00750			
	0.627		0.10040	0.00560		Carbonara,NCA13,59-73	
	0.640		0.09328	0.00165		Scheffler,NPB75,125-74	
	0.640		0.10420	0.00240		Fujii,NPB120,395-77	
	0.660		0.09330	0.00650	0.00466	Benz,NPB65,158-73	
	0.660		0.09615	0.00164		Scheffler,NPB75,125-74	
	0.660	0.020	0.08720	0.00970		Hilpert,NPB8,535-68	
				-0.00750			
	0.665		0.10900	0.00350		Fujii,NPB120,395-77	
	0.669		0.08730	0.00560		Carbonara,NCA13,59-73	
	0.680		0.09798	0.00164		Scheffler,NPB75,125-74	
	0.690		0.11130	0.00240		Fujii,NPB120,395-77	
	0.700		0.09720	0.00650	0.00486	Benz,NPB65,158-73	
	0.700		0.09664	0.00160		Scheffler,NPB75,125-74	
	0.700	0.020	0.08910	0.01000		Hilpert,NPB8,535-68	
				-0.00770			
	0.712		0.07410	0.00540		Carbonara,NCA13,59-73	
	0.715		0.10790	0.00330		Fujii,NPB120,395-77	
	0.720		0.09115	0.00158		Scheffler,NPB75,125-74	
	0.740		0.07790	0.00670	0.00389	Benz,NPB65,158-73	
	0.740		0.08165	0.00163		Scheffler,NPB75,125-74	
	0.740		0.09500	0.00240		Fujii,NPB120,395-77	
	0.740	0.020	0.07870	0.00910		Hilpert,NPB8,535-68	
				-0.00700			
	0.754		0.05750	0.00500		Carbonara,NCA13,59-73	
	0.760		0.06872	0.00168		Scheffler,NPB75,125-74	
	0.765		0.07500	0.00240		Fujii,NPB120,395-77	

Reaction	P_{lab} (GeV/c)	$\Delta P_{lab} \pm$	Cross Section	Error \pm	Syst \pm Error	Reference	Foot- Notes
152. $\gamma n \rightarrow p \pi^-$ (Continued)						(Cross section units: 10^{-27} cm^2)	
	0.780		0.05180	0.00550	0.00259	Benz,NPB65,158-73	
	0.780		0.05843	0.00101		Scheffler,NPB75,125-74	
	0.780	0.020	0.05750	0.00710		Hilpert,NPB8,535-68	
				-0.00580			
	0.790		0.05410	0.00170		Fujii,NPB120,395-77	
	0.800		0.04996	0.00093		Scheffler,NPB75,125-74	
	0.825		0.04146	0.00083		Scheffler,NPB75,125-74	
	0.850		0.03531	0.00074		Scheffler,NPB75,125-74	
	0.875		0.03205	0.00065		Scheffler,NPB75,125-74	
	0.900		0.03173	0.00074		Scheffler,NPB75,125-74	
	0.925		0.03015	0.00060		Scheffler,NPB75,125-74	
	0.950		0.02818	0.00068		Scheffler,NPB75,125-74	
	0.975		0.02856	0.00076		Scheffler,NPB75,125-74	
	1.000		0.02884	0.00072		Scheffler,NPB75,125-74	
	1.025		0.02749	0.00064		Scheffler,NPB75,125-74	
	1.050		0.02530	0.00260	0.00126	Benz,NPB65,158-73	
	1.050		0.02616	0.00070		Scheffler,NPB75,125-74	
	1.050	0.050	0.02640	0.00340		Hilpert,NPB8,535-68	
				-0.00290			
	1.075		0.02406	0.00091		Scheffler,NPB75,125-74	
	1.100		0.02303	0.00076		Scheffler,NPB75,125-74	
	1.125		0.02088	0.00057		Scheffler,NPB75,125-74	
	1.150		0.01630	0.00240	0.00081	Benz,NPB65,158-73	
	1.150		0.01871	0.00042		Scheffler,NPB75,125-74	
	1.150	0.050	0.01610	0.00250		Hilpert,NPB8,535-68	
				-0.00220			
	1.175		0.01611	0.00056		Scheffler,NPB75,125-74	
	1.200		0.01517	0.00044		Scheffler,NPB75,125-74	
	1.225		0.01441	0.00044		Scheffler,NPB75,125-74	
	1.250		0.01354	0.00049		Scheffler,NPB75,125-74	
	1.250	0.050	0.01280	0.00220		Hilpert,NPB8,535-68	
				-0.00200			
	1.350	0.050	0.01340	0.00240		Hilpert,NPB8,535-68	
				-0.00220			
	1.450	0.050	0.01060	0.00210		Hilpert,NPB8,535-68	
				-0.00200			
	1.700	0.300	0.00620	0.00090		Hilpert,NPB8,535-68	
		-0.200		-0.00080			
	7.500		0.00050	0.00020		Alexander,NPB68,1-74	
Threshold	0.149						
153. $\gamma n \rightarrow p \pi^- \rho^0$						(Cross section units: 10^{-27} cm^2)	
	4.300		0.00180	0.00060		Eisenberg,NPB25,499-71	
	7.100		0.00210	0.00030		Alexander,NPB115,48-76	
Threshold	1.373						
154. $\gamma n \rightarrow p \pi^- \omega$						(Cross section units: 10^{-27} cm^2)	
	1.850	0.250	0.00180	0.00070		Benz,NPB115,385-76	
	3.900	1.400	0.00160	0.00050		Benz,NPB115,385-76	
	4.300		0.00140	0.00050		Eisenberg,NPB25,499-71	
Threshold	1.375						
155. $\gamma n \rightarrow p \rho^-$						(Cross section units: 10^{-27} cm^2)	
	4.400	0.900	0.00080	0.00060		Hilpert,NPB21,93-70	
Threshold	1.083						
156. $\gamma n \rightarrow p A_2^-$						(Cross section units: 10^{-27} cm^2)	
$A_2^- \rightarrow \rho^0 \pi^-$	4.400	0.900	0.00100	0.00040		Benz,NPB115,385-76	
...corrected for branching ratio...			0.00285	0.00114			
Threshold	2.219						

Reaction	P_{lab} (GeV/c)	$\Delta P_{\text{lab}} \pm$	Cross Section	Error \pm	Syst \pm Error	Reference	Foot- Notes
157. $\gamma n \rightarrow n \pi^+ \pi^-$						(Cross section units: 10^{-27} cm^2)	
	0.373	0.019	0.00430	0.00080		Carbonara,NCA36,219-76	
	0.416	0.019	0.00660	0.00110		Carbonara,NCA36,219-76	
	0.458	0.019	0.01150	0.00150		Carbonara,NCA36,219-76	
	0.501	0.019	0.02280	0.00220		Carbonara,NCA36,219-76	
	0.544	0.019	0.03610	0.00290		Carbonara,NCA36,219-76	
	0.586	0.019	0.04730	0.00360		Carbonara,NCA36,219-76	
	0.629	0.019	0.05190	0.00390		Carbonara,NCA36,219-76	
	0.672	0.018	0.05670	0.00440		Carbonara,NCA36,219-76	
	0.714	0.019	0.06090	0.00470		Carbonara,NCA36,219-76	
	0.756	0.019	0.05360	0.00480		Carbonara,NCA36,219-76	
	0.799	0.019	0.04690	0.00490		Carbonara,NCA36,219-76	
	0.842	0.019	0.05570	0.00600		Carbonara,NCA36,219-76	
	0.885	0.018	0.05520	0.00700		Carbonara,NCA36,219-76	
	0.927	0.019	0.05320	0.00830		Carbonara,NCA36,219-76	
	7.500	0.250	0.01500	0.00150		Alexander,NPB104,397-76	
Threshold	0.322						
158. $\gamma n \rightarrow n \pi^+ \pi^- \rho^0$						(Cross section units: 10^{-27} cm^2)	
	4.300		0.00140	0.00120		Eisenberg,NPB25,499-71	
Threshold	1.638						
159. $\gamma n \rightarrow n 2 \pi^+ 2 \pi^-$						(Cross section units: 10^{-27} cm^2)	
	4.300		0.00760	0.00100		Eisenberg,NPB25,499-71	
	7.500		0.00590	0.00070		Alexander,NPB68,1-74	
Threshold	0.728						
160. $\gamma n \rightarrow \Delta^{++}{}_{1236} 2 \pi^-$						(Cross section units: 10^{-27} cm^2)	
	1.250	0.150	0.00180	0.00060		Benz,NPB115,385-76	
	1.450	0.350	0.00080	0.00030		Eisenberg,NPB25,499-71	
	1.500	0.100	0.00180	0.00100		Benz,NPB115,385-76	
	1.700	0.100	0.00330	0.00110		Benz,NPB115,385-76	
	1.950	0.150	0.00320	0.00080		Benz,NPB115,385-76	
	2.300	0.200	0.00220	0.00100		Benz,NPB115,385-76	
	2.650	0.850	0.00270	0.00100		Eisenberg,NPB25,499-71	
	3.000	0.500	0.00080	0.00050		Benz,NPB115,385-76	
	4.400	0.900	0.00040	0.00030		Benz,NPB115,385-76	
Threshold	0.753						
161. $\gamma n \rightarrow \Delta^+{}_{1236} \pi^-$						(Cross section units: 10^{-27} cm^2)	
$\Delta^+{}_{1236} \rightarrow p \pi^0$	0.456	0.107	0.00390	0.00060		Carbonara,NCA36,219-76	
		-0.106					
...corrected for branching ratio...			0.00589	0.00091			
$\Delta^+{}_{1236} \rightarrow \text{idem}$	0.605	0.043	0.01410	0.00280		Carbonara,NCA36,219-76	
		-0.042					
...corrected for branching ratio...			0.02128	0.00423			
$\Delta^+{}_{1236} \rightarrow \text{idem}$	0.701	0.053	0.01670	0.00390		Carbonara,NCA36,219-76	
...corrected for branching ratio...			0.02520	0.00589			
$\Delta^+{}_{1236} \rightarrow \text{idem}$	0.807	0.054	0.01870	0.00650		Carbonara,NCA36,219-76	
		-0.053					
...corrected for branching ratio...			0.02822	0.00981			
$\Delta^+{}_{1236} \rightarrow \text{idem}$	0.940	0.080	0.01090	0.00970		Carbonara,NCA36,219-76	
		-0.079					
...corrected for branching ratio...			0.01645	0.01464			
Threshold	0.538						
162. $\gamma n \rightarrow \Delta^0{}_{1236} \pi^+ \pi^-$						(Cross section units: 10^{-27} cm^2)	
$\Delta^0{}_{1236} \rightarrow p \pi^-$	1.450	0.350	0.00080	0.00060		Eisenberg,NPB25,499-71	
...corrected for branching ratio...			0.00241	0.00181			
$\Delta^0{}_{1236} \rightarrow \text{idem}$	1.500	0.100	0.00100	0.00070		Benz,NPB115,385-76	
...corrected for branching ratio...			0.00302	0.00211			
$\Delta^0{}_{1236} \rightarrow \text{idem}$	2.650	0.850	0.00190	0.00180		Eisenberg,NPB25,499-71	
...corrected for branching ratio...			0.00573	0.00543			
$\Delta^0{}_{1236} \rightarrow \text{idem}$	3.000	0.500	0.00140	0.00090		Benz,NPB115,385-76	
...corrected for branching ratio...			0.00423	0.00272			

Reaction	P_{lab} (GeV/c)	$\Delta P_{lab} \pm$	Cross Section	Error \pm	Syst \pm Error	Reference	Foot- Notes
162. $\gamma n \rightarrow \Delta^0_{1236} \pi^+ \pi^-$ (Continued)						(Cross section units: 10^{-27} cm^2)	
$\Delta^0_{1236} \rightarrow p \pi^-$	4.300		0.00080	0.00070		Eisenberg, NPB25,499-71	
...corrected for branching ratio...			0.00241	0.00211			
Threshold	0.753						
163. $\gamma n \rightarrow \Delta^-_{1236} \pi^+$						(Cross section units: 10^{-27} cm^2)	
	0.466	0.054	0.01110	0.00120		Carbonara, NCA36,219-76	
	0.552	0.032	0.02930	0.00300		Carbonara, NCA36,219-76	
	0.615	0.033	0.03850	0.00430		Carbonara, NCA36,219-76	
	0.679	0.033	0.02390	0.00850		Carbonara, NCA36,219-76	
	0.743	0.032	0.02940	0.00670		Carbonara, NCA36,219-76	
	0.807	0.032	0.02290	0.00870		Carbonara, NCA36,219-76	
	0.892	0.054	0.02560	0.00790		Carbonara, NCA36,219-76	
Threshold	0.538						
164. $\gamma n \rightarrow \Delta^-_{1236} \pi^+ \rho^0$						(Cross section units: 10^{-27} cm^2)	
	4.300		0.00050	0.00040		Eisenberg, NPB25,499-71	
Threshold	1.981						
165. $\gamma n \rightarrow \Delta^-_{1236} 2 \pi^+ \pi^-$						(Cross section units: 10^{-27} cm^2)	
	4.300		0.00310	0.00100		Eisenberg, NPB25,499-71	
Threshold	0.990						
166. $\gamma d \rightarrow \text{Total}$						(Cross section units: 10^{-27} cm^2)	
	0.265	0.017	0.75240	0.00890		Armstrong, NPB41,445-72	
	0.290	0.017	0.85370	0.00960		Armstrong, NPB41,445-72	
	0.315	0.017	0.90420	0.01010		Armstrong, NPB41,445-72	
	0.340	0.017	0.89570	0.01020		Armstrong, NPB41,445-72	
	0.365	0.017	0.77600	0.01010		Armstrong, NPB41,445-72	
	0.390	0.017	0.67620	0.00980		Armstrong, NPB41,445-72	
	0.415	0.017	0.56680	0.00920		Armstrong, NPB41,445-72	
	0.440	0.017	0.50900	0.00880		Armstrong, NPB41,445-72	
	0.465	0.017	0.42880	0.00860		Armstrong, NPB41,445-72	
	0.490	0.017	0.42190	0.00860		Armstrong, NPB41,445-72	
	0.515	0.017	0.37570	0.00820		Armstrong, NPB41,445-72	
	0.540	0.017	0.35450	0.00810		Armstrong, NPB41,445-72	
	0.565	0.017	0.40410	0.00660		Armstrong, NPB41,445-72	
	0.590	0.017	0.41940	0.00660		Armstrong, NPB41,445-72	
	0.615	0.017	0.42940	0.00670		Armstrong, NPB41,445-72	
	0.640	0.017	0.45810	0.00700		Armstrong, NPB41,445-72	
	0.665	0.017	0.47330	0.00720		Armstrong, NPB41,445-72	
	0.690	0.017	0.49470	0.00750		Armstrong, NPB41,445-72	
	0.715	0.017	0.46960	0.00760		Armstrong, NPB41,445-72	
	0.740	0.017	0.49600	0.00770		Armstrong, NPB41,445-72	
	0.765	0.017	0.45840	0.00770		Armstrong, NPB41,445-72	
	0.790	0.017	0.44700	0.00780		Armstrong, NPB41,445-72	
	0.815	0.017	0.43240	0.00780		Armstrong, NPB41,445-72	
	0.840	0.017	0.40220	0.00780		Armstrong, NPB41,445-72	
	0.865	0.017	0.39070	0.00770		Armstrong, NPB41,445-72	
	0.890	0.017	0.37890	0.00750		Armstrong, NPB41,445-72	
	0.915	0.017	0.35580	0.00760		Armstrong, NPB41,445-72	
	0.940	0.017	0.34000	0.00750		Armstrong, NPB41,445-72	
	0.965	0.017	0.35990	0.00760		Armstrong, NPB41,445-72	
	0.990	0.017	0.35860	0.00770		Armstrong, NPB41,445-72	
	1.015	0.017	0.35470	0.00790		Armstrong, NPB41,445-72	
	1.040	0.017	0.34660	0.00790		Armstrong, NPB41,445-72	
	1.065	0.017	0.34290	0.00800		Armstrong, NPB41,445-72	
	1.090	0.017	0.33610	0.00810		Armstrong, NPB41,445-72	
	1.115	0.017	0.32390	0.00790		Armstrong, NPB41,445-72	
	1.140	0.017	0.30670	0.00770		Armstrong, NPB41,445-72	
	1.165	0.017	0.30240	0.00790		Armstrong, NPB41,445-72	
	1.190	0.017	0.29100	0.00800		Armstrong, NPB41,445-72	
	1.215	0.017	0.28750	0.00820		Armstrong, NPB41,445-72	
	1.240	0.017	0.29150	0.00800		Armstrong, NPB41,445-72	

Reaction	P_{lab} (GeV/c)	$\Delta P_{\text{lab}} \pm$	Cross Section	Error \pm	Syst \pm Error	Reference	Foot- Notes
166. $\gamma d \rightarrow$ Total (Continued)						(Cross section units: 10^{-27} cm^2)	
	1.265	0.017	0.28670	0.00810		Armstrong,NPB41,445-72	
	1.290	0.017	0.29420	0.00830		Armstrong,NPB41,445-72	
	1.315	0.017	0.27940	0.00820		Armstrong,NPB41,445-72	
	1.340	0.017	0.29910	0.00860		Armstrong,NPB41,445-72	
	1.365	0.017	0.28700	0.00840		Armstrong,NPB41,445-72	
	1.390	0.017	0.29330	0.00880		Armstrong,NPB41,445-72	
	1.415	0.017	0.27540	0.00840		Armstrong,NPB41,445-72	
	1.440	0.017	0.27950	0.00840		Armstrong,NPB41,445-72	
	1.450		0.29430	0.01000		Meyer,PL33B,189-70	
	1.465	0.017	0.27570	0.00870		Armstrong,NPB41,445-72	
	1.490	0.017	0.28930	0.00900		Armstrong,NPB41,445-72	
	1.515	0.017	0.29120	0.00670		Armstrong,NPB41,445-72	
	1.540	0.017	0.28060	0.00660		Armstrong,NPB41,445-72	
	1.565	0.017	0.29320	0.00660		Armstrong,NPB41,445-72	
	1.590	0.017	0.30380	0.00700		Armstrong,NPB41,445-72	
	1.615	0.017	0.28760	0.00690		Armstrong,NPB41,445-72	
	1.640	0.017	0.27630	0.00670		Armstrong,NPB41,445-72	
	1.665	0.017	0.28510	0.00680		Armstrong,NPB41,445-72	
	1.690	0.017	0.27310	0.00660		Armstrong,NPB41,445-72	
	1.715	0.017	0.29070	0.00680		Armstrong,NPB41,445-72	
	1.740	0.017	0.27400	0.00690		Armstrong,NPB41,445-72	
	1.750		0.28570	0.00950		Meyer,PL33B,189-70	
	1.765	0.017	0.28780	0.00820		Armstrong,NPB41,445-72	
	1.790	0.017	0.28680	0.00830		Armstrong,NPB41,445-72	
	1.815	0.017	0.30220	0.00840		Armstrong,NPB41,445-72	
	1.840	0.017	0.27550	0.00840		Armstrong,NPB41,445-72	
	1.865	0.017	0.27200	0.00840		Armstrong,NPB41,445-72	
	1.890	0.017	0.27510	0.00850		Armstrong,NPB41,445-72	
	1.915	0.017	0.26870	0.00830		Armstrong,NPB41,445-72	
	1.940	0.017	0.29140	0.00860		Armstrong,NPB41,445-72	
	1.965	0.017	0.23620	0.00840		Armstrong,NPB41,445-72	
	1.990	0.017	0.26870	0.00860		Armstrong,NPB41,445-72	
	2.000		0.26520	0.00500	0.00532	Michalowski,PRL39,737-77	
	2.015	0.010	0.28360	0.00880		Armstrong,NPB41,445-72	
	2.040	0.010	0.26370	0.00870		Armstrong,NPB41,445-72	
	2.050		0.26810	0.00850		Meyer,PL33B,189-70	
	2.065	0.010	0.24940	0.01080		Armstrong,NPB41,445-72	
	2.090	0.010	0.28850	0.01100		Armstrong,NPB41,445-72	
	2.115	0.010	0.26400	0.01070		Armstrong,NPB41,445-72	
	2.140	0.010	0.26400	0.01060		Armstrong,NPB41,445-72	
	2.165	0.010	0.26880	0.01080		Armstrong,NPB41,445-72	
	2.190	0.010	0.26770	0.01110		Armstrong,NPB41,445-72	
	2.200	0.010	0.26450	0.00400		Armstrong,NPB41,445-72	
	2.215	0.010	0.24690	0.01090		Armstrong,NPB41,445-72	
	2.240	0.010	0.27570	0.01160		Armstrong,NPB41,445-72	
	2.265	0.010	0.26370	0.01120		Armstrong,NPB41,445-72	
	2.290	0.010	0.26530	0.01180		Armstrong,NPB41,445-72	
	2.315	0.010	0.25660	0.01150		Armstrong,NPB41,445-72	
	2.340	0.010	0.25110	0.01200		Armstrong,NPB41,445-72	
	2.350		0.26670	0.00990		Meyer,PL33B,189-70	
	2.365	0.010	0.25480	0.01160		Armstrong,NPB41,445-72	
	2.390	0.010	0.26470	0.01150		Armstrong,NPB41,445-72	
	2.400	0.010	0.25900	0.00410		Armstrong,NPB41,445-72	
	2.415	0.010	0.26090	0.01160		Armstrong,NPB41,445-72	
	2.440	0.010	0.26610	0.01180		Armstrong,NPB41,445-72	
	2.465	0.010	0.27280	0.01180		Armstrong,NPB41,445-72	
	2.490	0.010	0.24470	0.01130		Armstrong,NPB41,445-72	
	2.515	0.010	0.23410	0.01230		Armstrong,NPB41,445-72	
	2.540	0.010	0.26930	0.01170		Armstrong,NPB41,445-72	
	2.565	0.010	0.24740	0.01220		Armstrong,NPB41,445-72	
	2.590	0.010	0.26780	0.01170		Armstrong,NPB41,445-72	
	2.600	0.010	0.25010	0.00410		Armstrong,NPB41,445-72	
	2.615	0.010	0.23360	0.01160		Armstrong,NPB41,445-72	
	2.640	0.010	0.27440	0.01170		Armstrong,NPB41,445-72	

Reaction	P_{lab} (GeV/c)	$\Delta P_{\text{lab}} \pm$	Cross Section	Error \pm	Syst \pm Error	Reference	Foot- Notes
166. γ d \rightarrow Total (Continued)						(Cross section units: 10^{-27} cm ²)	
	2.650		0.26820	0.00970		Meyer, PL33B, 189-70	
	2.665	0.010	0.23910	0.01190		Armstrong, NPB41, 445-72	
	2.690	0.010	0.23510	0.01220		Armstrong, NPB41, 445-72	
	2.715	0.010	0.25290	0.01210		Armstrong, NPB41, 445-72	
	2.740	0.010	0.23230	0.01290		Armstrong, NPB41, 445-72	
	2.765	0.010	0.27600	0.00770		Armstrong, NPB41, 445-72	
	2.790	0.010	0.26640	0.00750		Armstrong, NPB41, 445-72	
	2.800	0.010	0.25720	0.00300		Armstrong, NPB41, 445-72	
	2.815	0.010	0.25500	0.00710		Armstrong, NPB41, 445-72	
	2.840	0.010	0.25660	0.00750		Armstrong, NPB41, 445-72	
	2.865	0.010	0.26310	0.00720		Armstrong, NPB41, 445-72	
	2.890	0.010	0.25500	0.00730		Armstrong, NPB41, 445-72	
	2.915	0.010	0.25440	0.00760		Armstrong, NPB41, 445-72	
	2.940	0.010	0.26590	0.00750		Armstrong, NPB41, 445-72	
	2.950		0.26680	0.00870		Meyer, PL33B, 189-70	
	2.965	0.010	0.25890	0.00750		Armstrong, NPB41, 445-72	
	2.990	0.010	0.25320	0.00760		Armstrong, NPB41, 445-72	
	3.000	0.010	0.26030	0.00300		Armstrong, NPB41, 445-72	
	3.015	0.010	0.25940	0.00910		Armstrong, NPB41, 445-72	
	3.040	0.010	0.26560	0.00920		Armstrong, NPB41, 445-72	
	3.065	0.010	0.25470	0.00920		Armstrong, NPB41, 445-72	
	3.090	0.010	0.27030	0.00930		Armstrong, NPB41, 445-72	
	3.115	0.010	0.24890	0.00890		Armstrong, NPB41, 445-72	
	3.140	0.010	0.23930	0.00890		Armstrong, NPB41, 445-72	
	3.165	0.010	0.25720	0.00930		Armstrong, NPB41, 445-72	
	3.190	0.010	0.26520	0.00950		Armstrong, NPB41, 445-72	
	3.200	0.010	0.25520	0.00330		Armstrong, NPB41, 445-72	
	3.215	0.010	0.24950	0.00930		Armstrong, NPB41, 445-72	
	3.240	0.010	0.25720	0.00930		Armstrong, NPB41, 445-72	
	3.250		0.25290	0.00850		Meyer, PL33B, 189-70	
	3.265	0.010	0.24050	0.00960		Armstrong, NPB41, 445-72	
	3.270		0.23960	0.00400	0.00480	Michalowski, PRL39, 737-77	
	3.290	0.010	0.28410	0.01000		Armstrong, NPB41, 445-72	
	3.315	0.010	0.26480	0.00940		Armstrong, NPB41, 445-72	
	3.340	0.010	0.23970	0.00920		Armstrong, NPB41, 445-72	
	3.365	0.010	0.25570	0.00960		Armstrong, NPB41, 445-72	
	3.390	0.010	0.22660	0.00920		Armstrong, NPB41, 445-72	
	3.400	0.010	0.24420	0.00350		Armstrong, NPB41, 445-72	
	3.415	0.010	0.24270	0.00970		Armstrong, NPB41, 445-72	
	3.440	0.010	0.23050	0.00930		Armstrong, NPB41, 445-72	
	3.465	0.010	0.24080	0.00960		Armstrong, NPB41, 445-72	
	3.490	0.010	0.25290	0.00990		Armstrong, NPB41, 445-72	
	3.515	0.010	0.24870	0.00980		Armstrong, NPB41, 445-72	
	3.540	0.010	0.24240	0.00960		Armstrong, NPB41, 445-72	
	3.550		0.24390	0.00930		Meyer, PL33B, 189-70	
	3.565	0.010	0.25280	0.01000		Armstrong, NPB41, 445-72	
	3.590	0.010	0.26330	0.01050		Armstrong, NPB41, 445-72	
	3.600	0.010	0.24560	0.00350		Armstrong, NPB41, 445-72	
	3.615	0.010	0.23580	0.01010		Armstrong, NPB41, 445-72	
	3.640	0.010	0.23170	0.00960		Armstrong, NPB41, 445-72	
	3.665	0.010	0.24550	0.01010		Armstrong, NPB41, 445-72	
	3.690	0.010	0.24450	0.01020		Armstrong, NPB41, 445-72	
	3.700		0.23580	0.00810		Caldwell, PRD7, 1362-73	
	3.715	0.010	0.22820	0.01010		Armstrong, NPB41, 445-72	
	3.740	0.010	0.24690	0.00990		Armstrong, NPB41, 445-72	
	3.765	0.010	0.24730	0.01050		Armstrong, NPB41, 445-72	
	3.790	0.010	0.24220	0.01010		Armstrong, NPB41, 445-72	
	3.800	0.010	0.24410	0.00350		Armstrong, NPB41, 445-72	
	3.815	0.010	0.25880	0.01050		Armstrong, NPB41, 445-72	
	3.840	0.010	0.23180	0.00980		Armstrong, NPB41, 445-72	
	3.850		0.24820	0.01000		Meyer, PL33B, 189-70	
	3.865	0.010	0.24040	0.01040		Armstrong, NPB41, 445-72	
	3.890	0.010	0.25730	0.01060		Armstrong, NPB41, 445-72	
	3.915	0.010	0.24620	0.01010		Armstrong, NPB41, 445-72	

Reaction	P_{lab} (GeV/c)	$\Delta P_{lab} \pm$	Cross Section	Error \pm	Syst \pm Error	Reference	Foot- Notes
166. $\gamma d \rightarrow$ Total (Continued)						(Cross section units: 10^{-27} cm^2)	
	3.940	0.010	0.21350	0.01010		Armstrong,NPB41,445-72	
	3.940		0.25110	0.00860		Caldwell,PRD7,1362-73	
	3.965	0.010	0.25950	0.01070		Armstrong,NPB41,445-72	
	3.990	0.010	0.26060	0.01100		Armstrong,NPB41,445-72	
	4.000	0.010	0.23840	0.00360		Armstrong,NPB41,445-72	
	4.015	0.010	0.23480	0.01050		Armstrong,NPB41,445-72	
	4.040	0.010	0.22230	0.01020		Armstrong,NPB41,445-72	
	4.065	0.010	0.23820	0.01100		Armstrong,NPB41,445-72	
	4.090	0.010	0.23220	0.01090		Armstrong,NPB41,445-72	
	4.115	0.010	0.23700	0.01120		Armstrong,NPB41,445-72	
	4.140	0.010	0.20710	0.01060		Armstrong,NPB41,445-72	
	4.150		0.24570	0.00800		Meyer,PL33B,189-70	
	4.165	0.010	0.23340	0.01090		Armstrong,NPB41,445-72	
	4.190	0.010	0.24930	0.01170		Armstrong,NPB41,445-72	
	4.190		0.24020	0.00900		Caldwell,PRD7,1362-73	
	4.215	0.010	0.22800	0.01140		Armstrong,NPB41,445-72	
	4.300	0.700	0.24970	0.00700		Eisenberg,NPB104,61-76	
	4.430		0.24420	0.01060		Caldwell,PRD7,1362-73	
	4.450		0.23670	0.00830		Meyer,PL33B,189-70	
	4.700		0.24280	0.00740		Caldwell,PRD7,1362-73	
	4.750		0.23810	0.00820		Meyer,PL33B,189-70	
	4.810		0.24400	0.00440	0.00488	Michalowski,PRL39,737-77	
	5.010		0.22920	0.00750		Caldwell,PRD7,1362-73	
	5.050		0.24840	0.00770		Meyer,PL33B,189-70	
	5.320		0.23840	0.00800		Caldwell,PRD7,1362-73	
	5.350		0.23450	0.00830		Meyer,PL33B,189-70	
	5.630		0.23870	0.00930		Caldwell,PRD7,1362-73	
	5.650		0.23210	0.00770		Meyer,PL33B,189-70	
	5.950		0.22510	0.00800		Meyer,PL33B,189-70	
	5.980		0.25020	0.01070		Caldwell,PRD7,1362-73	
	6.210		0.22460	0.00420	0.00448	Michalowski,PRL39,737-77	
	6.250		0.22760	0.00760		Meyer,PL33B,189-70	
	6.370		0.23390	0.01060		Caldwell,PRD7,1362-73	
	6.760		0.23820	0.01090		Caldwell,PRD7,1362-73	
	7.160		0.23050	0.01160		Caldwell,PRD7,1362-73	
	7.500		0.23400	0.01000		Alexander,NPB68,1-74	SA
	7.680		0.21650	0.00870		Caldwell,PRD7,1362-73	
	7.790		0.23200	0.00880	0.00464	Michalowski,PRL39,737-77	
	8.180		0.23860	0.00930		Caldwell,PRD7,1362-73	
	8.680		0.24380	0.00940		Caldwell,PRD7,1362-73	
	8.950		0.24230	0.00660		Caldwell,PRD7,1362-73	
	9.190		0.24570	0.01010		Caldwell,PRD7,1362-73	
	9.510		0.21560	0.00480	0.00428	Michalowski,PRL39,737-77	
	9.540		0.21820	0.00650		Caldwell,PRD7,1362-73	
	9.750		0.22300	0.00620		Caldwell,PRD7,1362-73	
	10.120		0.22620	0.00660		Caldwell,PRD7,1362-73	
	10.390		0.23600	0.00660		Caldwell,PRD7,1362-73	
	10.710		0.22050	0.00700		Caldwell,PRD7,1362-73	
	11.030		0.23130	0.00660		Caldwell,PRD7,1362-73	
	11.380		0.22300	0.00710		Caldwell,PRD7,1362-73	
	11.670		0.20840	0.00690		Caldwell,PRD7,1362-73	
	12.120		0.22290	0.00730		Caldwell,PRD7,1362-73	
	12.390		0.22090	0.00500		Caldwell,PRD7,1362-73	
	12.860		0.22800	0.00740		Caldwell,PRD7,1362-73	
	13.200		0.22840	0.00510		Caldwell,PRD7,1362-73	
	13.610		0.22010	0.00780		Caldwell,PRD7,1362-73	
	14.010		0.20790	0.00510		Caldwell,PRD7,1362-73	
	14.820		0.22240	0.00620		Caldwell,PRD7,1362-73	
	14.920		0.22310	0.00720		Caldwell,PRD7,1362-73	
	15.890		0.21110	0.00750		Caldwell,PRD7,1362-73	
	16.870		0.22140	0.00860		Caldwell,PRD7,1362-73	
	17.840		0.21080	0.01030		Caldwell,PRD7,1362-73	

SA = Systematic error included

Reaction	P_{lab} (GeV/c)	$\Delta P_{lab} \pm$	Cross Section	Error \pm	Syst \pm Error	Reference	Foot- Notes
167. $\gamma d \rightarrow$ Strange Particles	4.300	0.700	0.01710	0.00070		(Cross section units: 10^{-27} cm^2) Eisenberg, NPB104,61-762	
168. $\gamma d \rightarrow 0$ Prongs	7.500		0.00800	0.00200		(Cross section units: 10^{-27} cm^2) Alexander, NPB68,1-74	
169. $\gamma d \rightarrow 1$ Prongs	7.500		0.01500	0.00150		(Cross section units: 10^{-27} cm^2) Alexander, NPB68,1-74	
170. $\gamma d \rightarrow 2$ Prongs	3.050 7.500	0.050	0.05440 0.04300	0.00280 0.00500		(Cross section units: 10^{-27} cm^2) Bapu, PRD15,26-77 Alexander, NPB68,1-74	
171. $\gamma d \rightarrow 3$ Prongs	3.050 7.500	0.050	0.11940 0.07600	0.00410 0.00300		(Cross section units: 10^{-27} cm^2) Bapu, PRD15,26-77 Alexander, NPB68,1-74	
172. $\gamma d \rightarrow 4$ Prongs	3.050 7.500	0.050	0.01610 0.02000	0.00130 0.00200		(Cross section units: 10^{-27} cm^2) Bapu, PRD15,26-77 Alexander, NPB68,1-74	
173. $\gamma d \rightarrow 5$ Prongs	3.050 7.500	0.050	0.01960 0.03700	0.00140 0.00300		(Cross section units: 10^{-27} cm^2) Bapu, PRD15,26-77 Alexander, NPB68,1-74	
174. $\gamma d \rightarrow 6$ Prongs	3.050 7.500	0.050	0.00080 0.00500	0.00030 0.00070		(Cross section units: 10^{-27} cm^2) Bapu, PRD15,26-77 Alexander, NPB68,1-74	
175. $\gamma d \rightarrow 7$ Prongs	3.050 7.500	0.050	0.00080 0.00700	0.00030 0.00080		(Cross section units: 10^{-27} cm^2) Bapu, PRD15,26-77 Alexander, NPB68,1-74	
176. $\gamma d \rightarrow 8$ Prongs	7.500		$0.350 \cdot 10^{-3}$	$0.150 \cdot 10^{-3}$		(Cross section units: 10^{-27} cm^2) Alexander, NPB68,1-74	
177. $\gamma d \rightarrow 9$ Prongs	7.500		$0.650 \cdot 10^{-3}$	$0.150 \cdot 10^{-3}$		(Cross section units: 10^{-27} cm^2) Alexander, NPB68,1-74	
178. $\gamma d \rightarrow d \pi^+ \pi^-$	3.050 4.300 7.500	0.050 0.700 0.250	0.00980 0.01220 0.01070	0.00070 0.00120 0.00060		(Cross section units: 10^{-27} cm^2) Bapu, PRD15,26-77 Eisenberg, NPB104,61-76 Alexander, NPB104,397-76	
Threshold	0.301						
179. $\gamma d \rightarrow d 2 \pi^+ 2 \pi^-$	7.500		0.00110	0.00030		(Cross section units: 10^{-27} cm^2) Alexander, NPB68,1-74	
Threshold	0.644						
180. $\gamma d \rightarrow d \rho^0$	3.050 4.300 5.500 7.500	0.050 0.700 0.250	0.00930 0.01110 0.00980 0.01010	0.00080 0.00120 0.00080 0.00050		(Cross section units: 10^{-27} cm^2) Bapu, PRD15,26-77 Eisenberg, NPB104,61-76 Gupta, PRD14,42-76 Alexander, NPB104,397-76	
Threshold	0.947						
181. $\gamma d \rightarrow d \omega$	3.900	0.800	0.00142	0.00053		(Cross section units: 10^{-27} cm^2) Morris, NPB119,420-77	
$\omega \rightarrow [\pi^+ \pi^- \pi^0]$	4.300	0.700	0.00180	0.00040		Eisenberg, NPB104,61-76	
$\omega \rightarrow$ idem	7.500		$0.720 \cdot 10^{-3}$	$0.160 \cdot 10^{-3}$		Alexander, PLS7B,487-75	
Threshold	0.949						

2 = Events with visible neutral strange particle decays

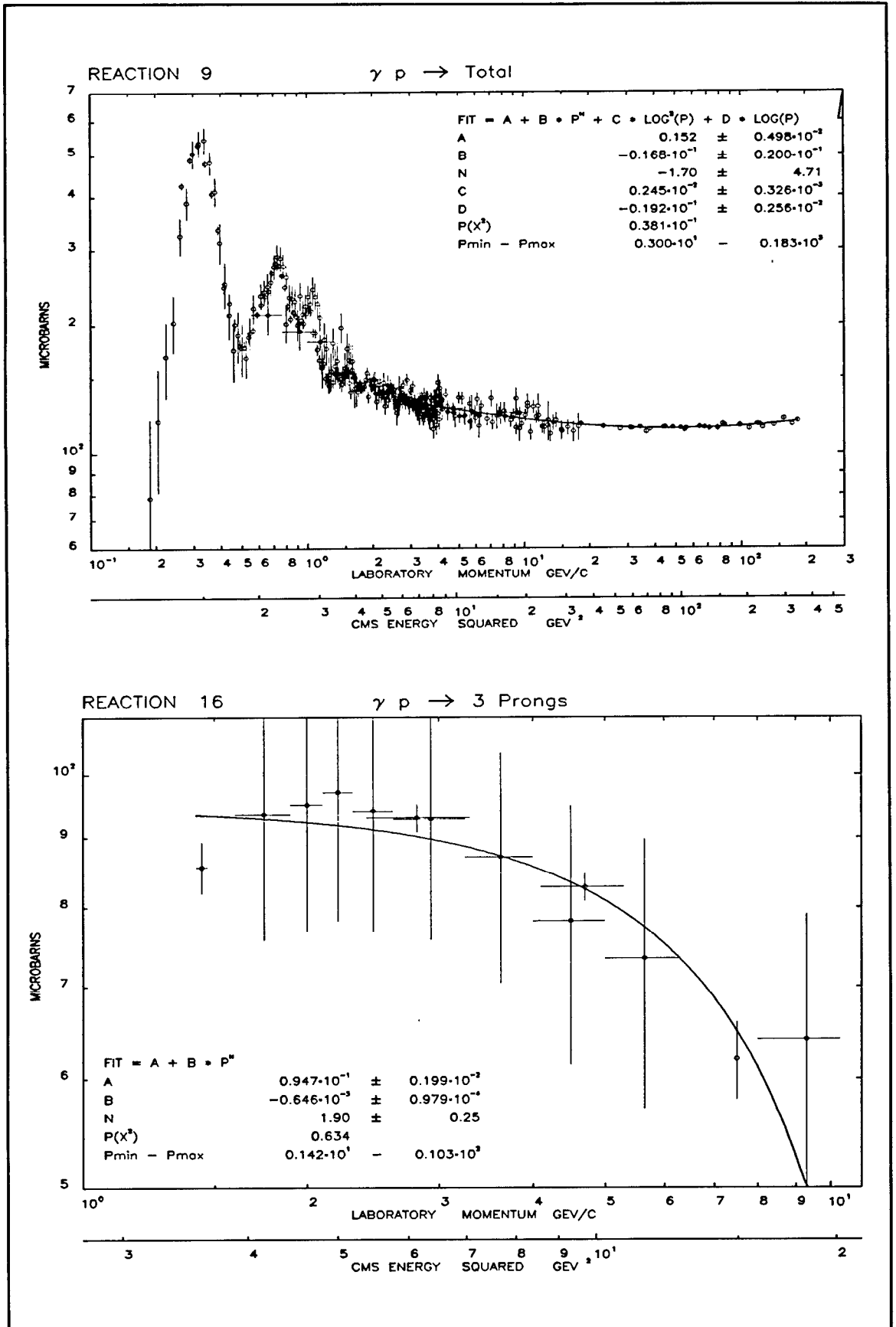
Reaction	P_{lab} (GeV/c)	$\Delta P_{\text{lab}} \pm$	Cross Section	Error \pm	Syst \pm Error	Reference	Foot- Notes				
182. $\gamma d \rightarrow p n \pi^+ \pi^-$	4.300	0.700	0.03070	0.00220		(Cross section units: 10^{-27} cm^2) Eisenberg, NPB104,61-76					
	Threshold 0.304										
183. $\gamma d \rightarrow p n \rho^0$	4.300	0.700	0.01030	0.00190		(Cross section units: 10^{-27} cm^2) Eisenberg, NPB42,349-72					
	Threshold 0.950										
184. $\gamma d \rightarrow p n \omega$	3.900		0.00326	0.00069		(Cross section units: 10^{-27} cm^2) Morris, NPB119,420-77					
	Threshold 0.951										
185. $\gamma d \rightarrow 2 p \pi^0 \pi^-$	4.300	0.700	0.00320	0.00060		(Cross section units: 10^{-27} cm^2) Eisenberg, NPB42,349-72					
	4.300							0.00200	0.00050		Eisenberg, NPB104,61-76
	Threshold 0.296										
186. $\gamma d \rightarrow 2 p \pi^-$	0.150		0.01000	0.00250		(Cross section units: 10^{-27} cm^2) Adamovit., JETP38,1078-60					
	0.157	0.004	0.04000	0.00570		Adamovit., JETP38,1078-60					
	0.164	0.004	0.07000	0.00790		Adamovit., JETP38,1078-60					
	0.171	0.004	0.09000	0.01000		Adamovit., JETP38,1078-60					
	0.181	0.007	0.07000	0.00690		Adamovit., JETP38,1078-60					
	0.210		0.13200	0.00300	0.00660		Benz, NPB65,158-73				
	0.213	0.013	0.13120	0.00520			Chiefari, NCL13,129-75				
	0.230		0.14950	0.00340	0.00750		Benz, NPB65,158-73				
	0.238	0.013	0.14710	0.00590			Chiefari, NCL13,129-75				
	0.250		0.18480	0.00390	0.00925		Benz, NPB65,158-73				
	0.263	0.013	0.19790	0.00730			Chiefari, NCL13,129-75				
	0.270		0.20670	0.00450	0.01035		Benz, NPB65,158-73				
	0.288	0.013	0.22960	0.00830			Chiefari, NCL13,129-75				
	0.290		0.24150	0.00480	0.01210		Benz, NPB65,158-73				
	0.310		0.24730	0.00510	0.01235		Benz, NPB65,158-73				
	0.313	0.013	0.24780	0.00900			Chiefari, NCL13,129-75				
	0.330		0.23780	0.00520	0.01190		Benz, NPB65,158-73				
	0.338	0.013	0.21750	0.00890			Chiefari, NCL13,129-75				
	0.350		0.20900	0.00500	0.01045		Benz, NPB65,158-73				
	0.370		0.19290	0.00490	0.00965		Benz, NPB65,158-73				
	0.375	0.025	0.18170	0.00640			Chiefari, NCL13,129-75				
	0.390		0.16450	0.00480	0.00825		Benz, NPB65,158-73				
	0.420		0.13640	0.00310	0.00680		Benz, NPB65,158-73				
	0.425		0.13100	0.00630			Chiefari, NCL13,129-75				
	0.460		0.11640	0.00300	0.00580		Benz, NPB65,158-73				
	0.500		0.11010	0.00310	0.00550		Benz, NPB65,158-73				
	0.540		0.10500	0.00320	0.00525		Benz, NPB65,158-73				
	0.580		0.11130	0.00350	0.00555		Benz, NPB65,158-73				
	0.620		0.10510	0.00350	0.00525		Benz, NPB65,158-73				
	0.660		0.10440	0.00360	0.00520		Benz, NPB65,158-73				
	0.700		0.10180	0.00380	0.00510		Benz, NPB65,158-73				
	0.740		0.09240	0.00380	0.00462		Benz, NPB65,158-73				
	0.780		0.07110	0.00330	0.00356		Benz, NPB65,158-73				
	0.850		0.04490	0.00170	0.00224		Benz, NPB65,158-73				
	0.950		0.03200	0.00160	0.00160		Benz, NPB65,158-73				
	1.050		0.03260	0.00170	0.00163		Benz, NPB65,158-73				
1.150		0.02170	0.00150	0.00108		Benz, NPB65,158-73					
1.250		0.01980	0.00150	0.00099		Benz, NPB65,158-73					
1.350		0.01720	0.00150	0.00086		Benz, NPB65,158-73					
1.450		0.01300	0.00130	0.00065		Benz, NPB65,158-73					
1.550		0.01120	0.00160	0.00056		Benz, NPB65,158-73					
1.700		0.00900	0.00080	0.00045		Benz, NPB65,158-73					
1.900		0.00590	0.00080	0.00029		Benz, NPB65,158-73					
Threshold	0.146										

Reaction	P_{lab} (GeV/c)	$\Delta P_{\text{lab}} \pm$	Cross Section	Error \pm	Syst \pm Error	Reference	Foot- Notes
187. $\gamma d \rightarrow \psi$ Anything $\psi \rightarrow [e^+e^-]$	55.000	25.000	$0.375 \cdot 10^{-4}$	$0.820 \cdot 10^{-5}$		(Cross section units: 10^{-27} cm^2) Nash,PRL36,1233-76	
188. $\gamma \text{He} \rightarrow 2 d$						(Cross section units: 10^{-27} cm^2)	
	0.201		0.00241	0.00032		Arends,PL62B,411-76	
	0.225		0.00129	0.00023		Arends,PL62B,411-76	
	0.253		0.00092	0.00020		Arends,PL62B,411-76	
	0.285		0.00104	0.00020		Arends,PL62B,411-76	
	0.320		$0.610 \cdot 10^{-3}$	$0.160 \cdot 10^{-3}$		Arends,PL62B,411-76	
Threshold	0.026						

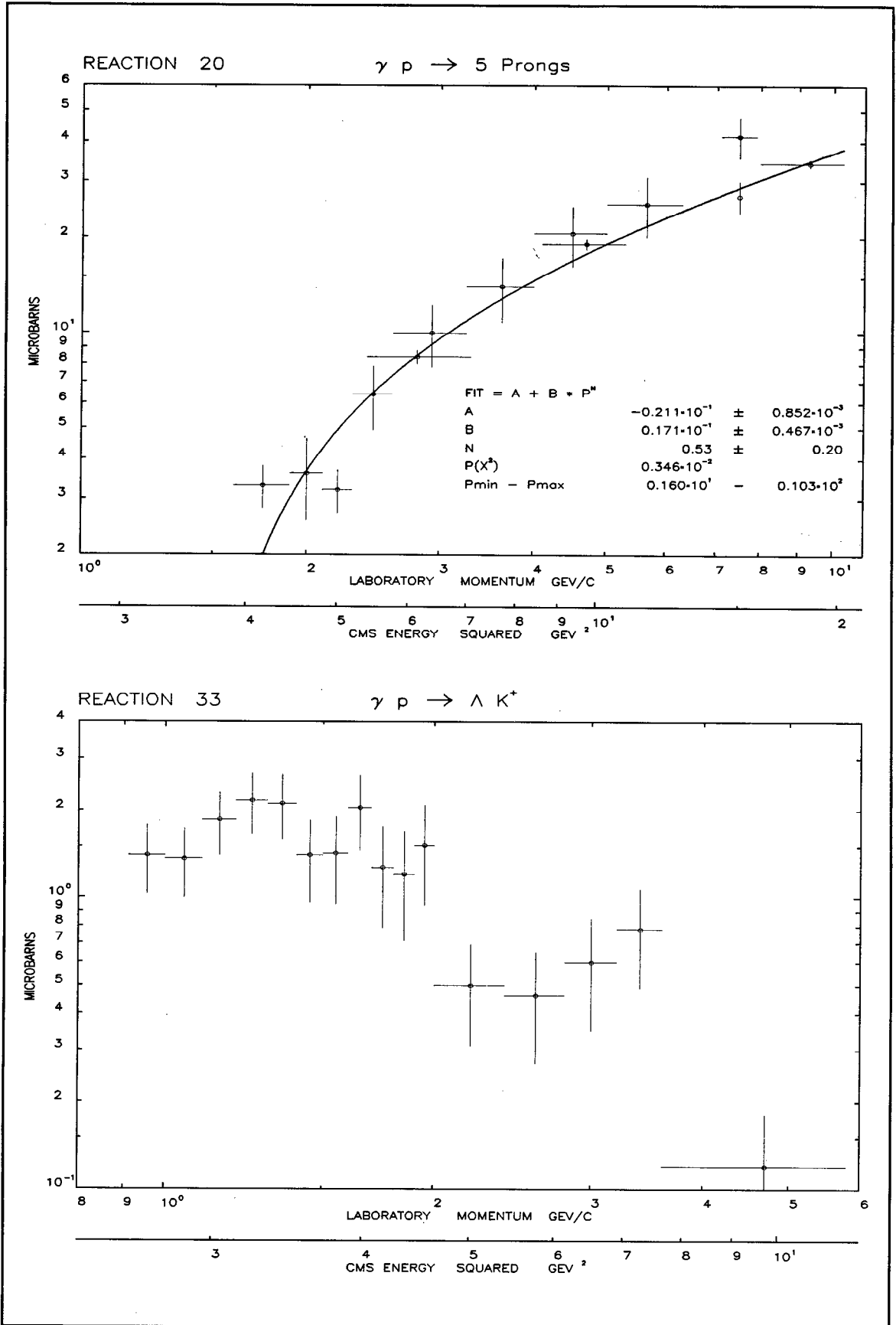
IX. 3 Plots

(pages 388 ... 400)

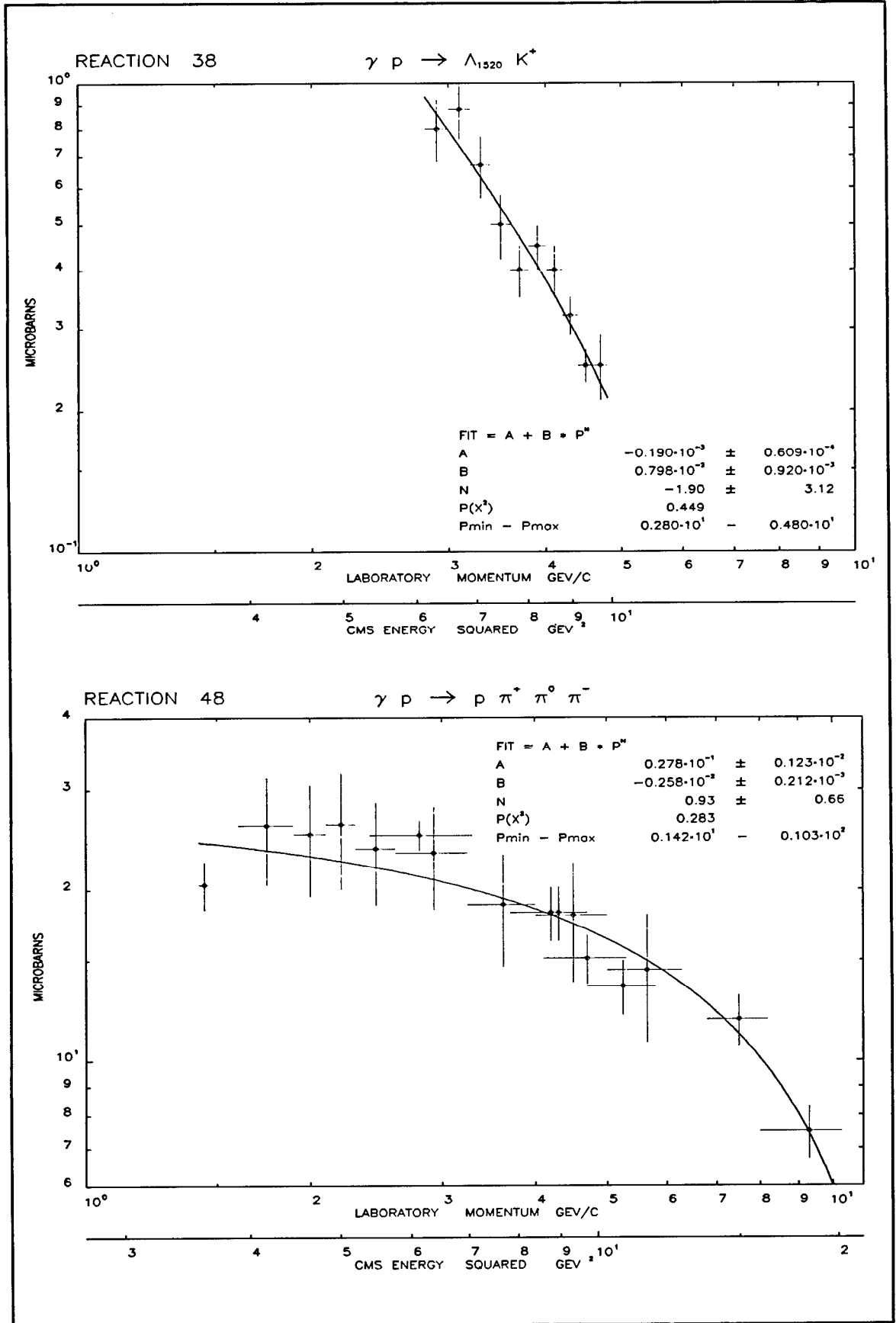
IX.3 γ : Plots



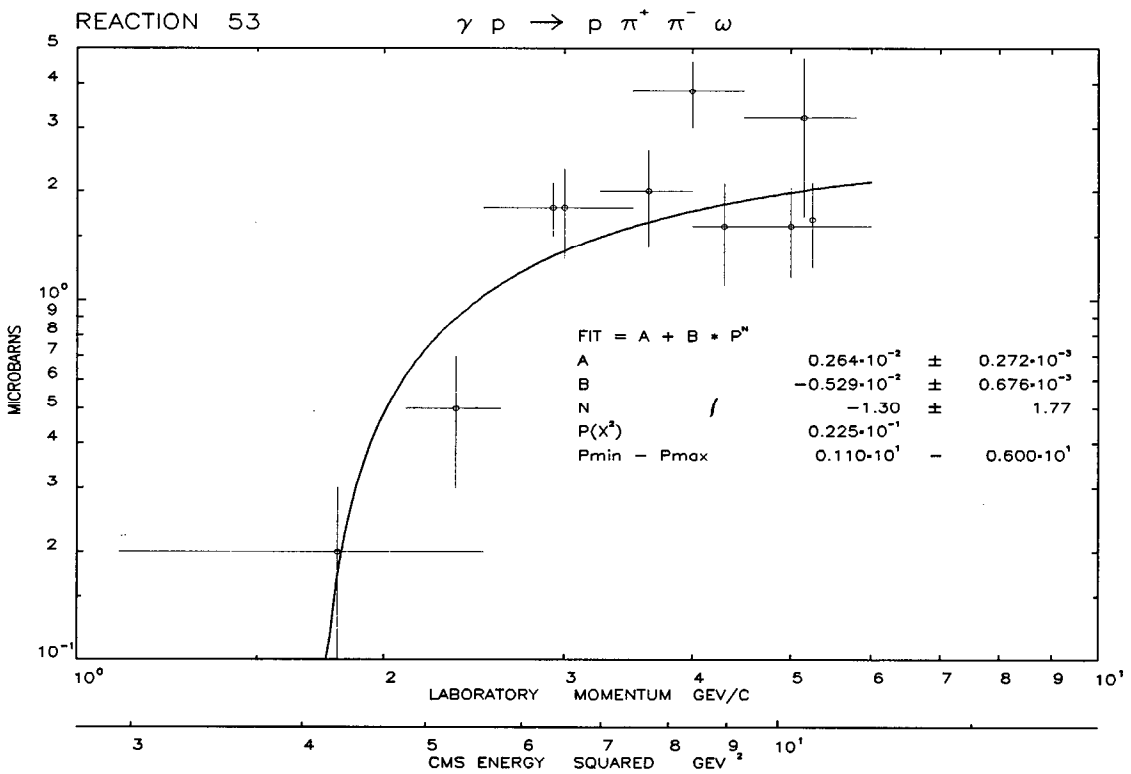
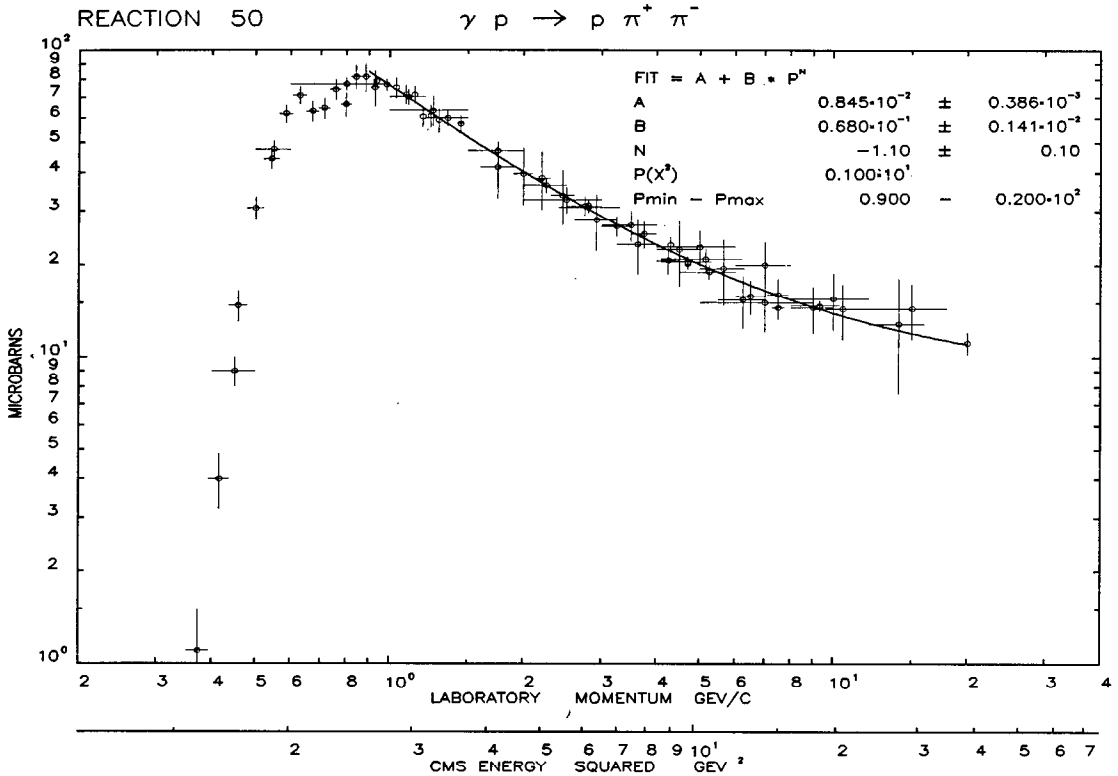
IX.3 γ : Plots



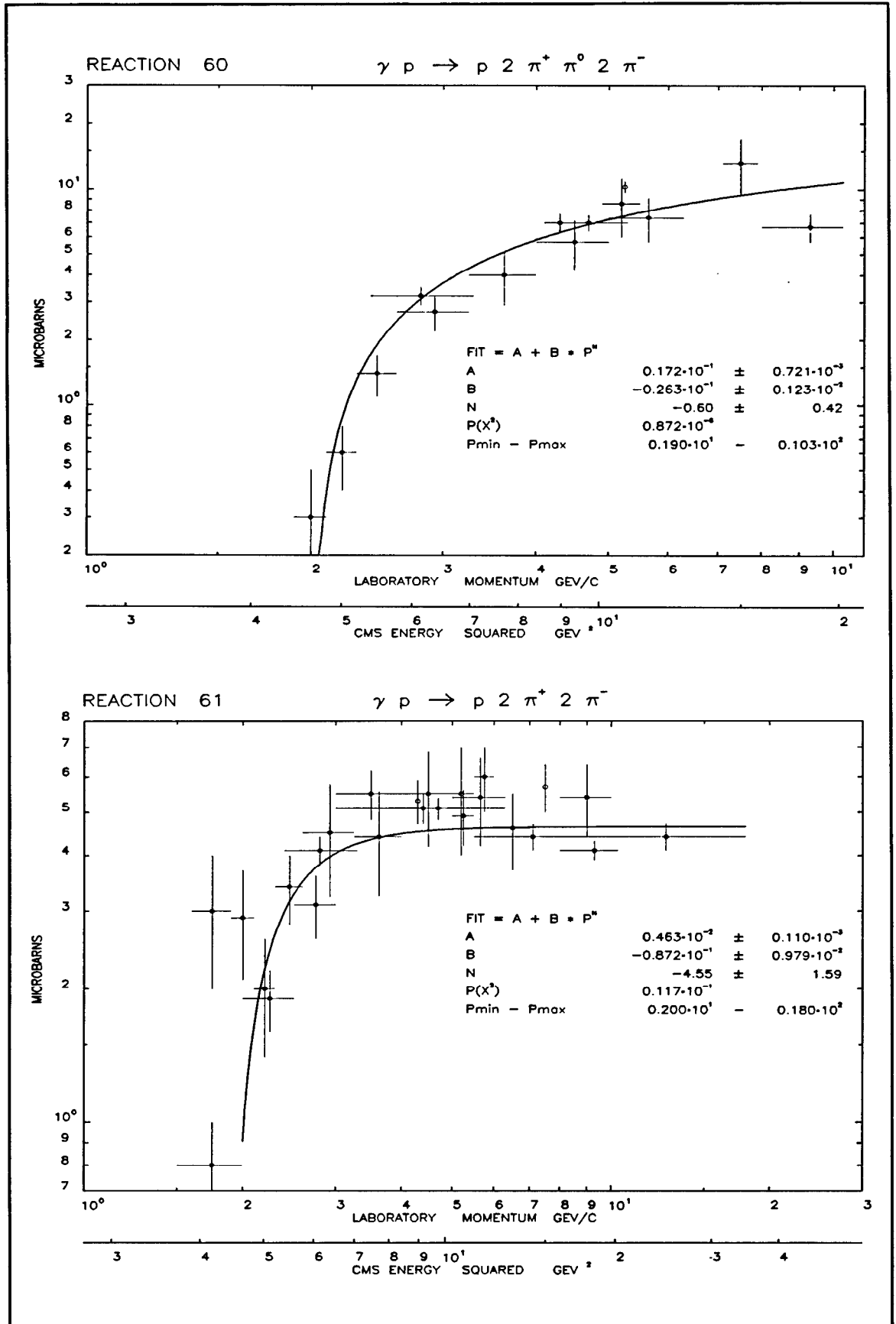
IX.3 γ : Plots



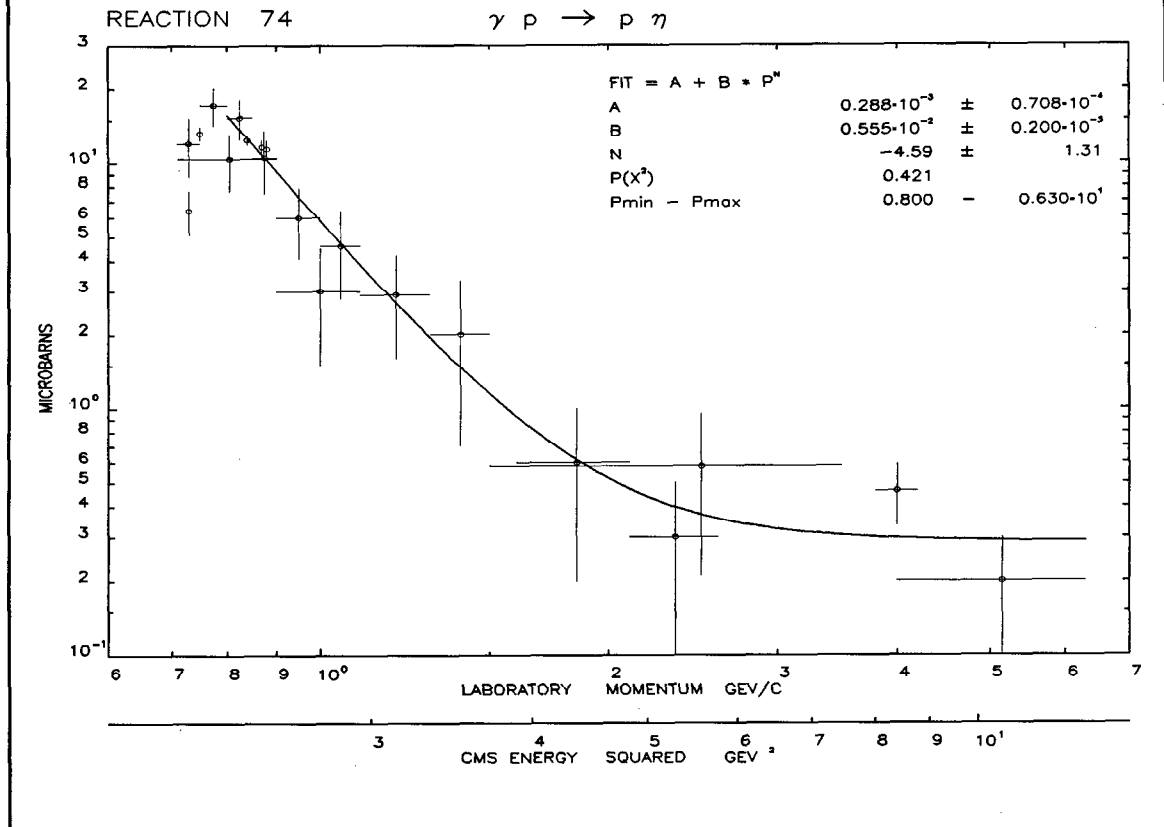
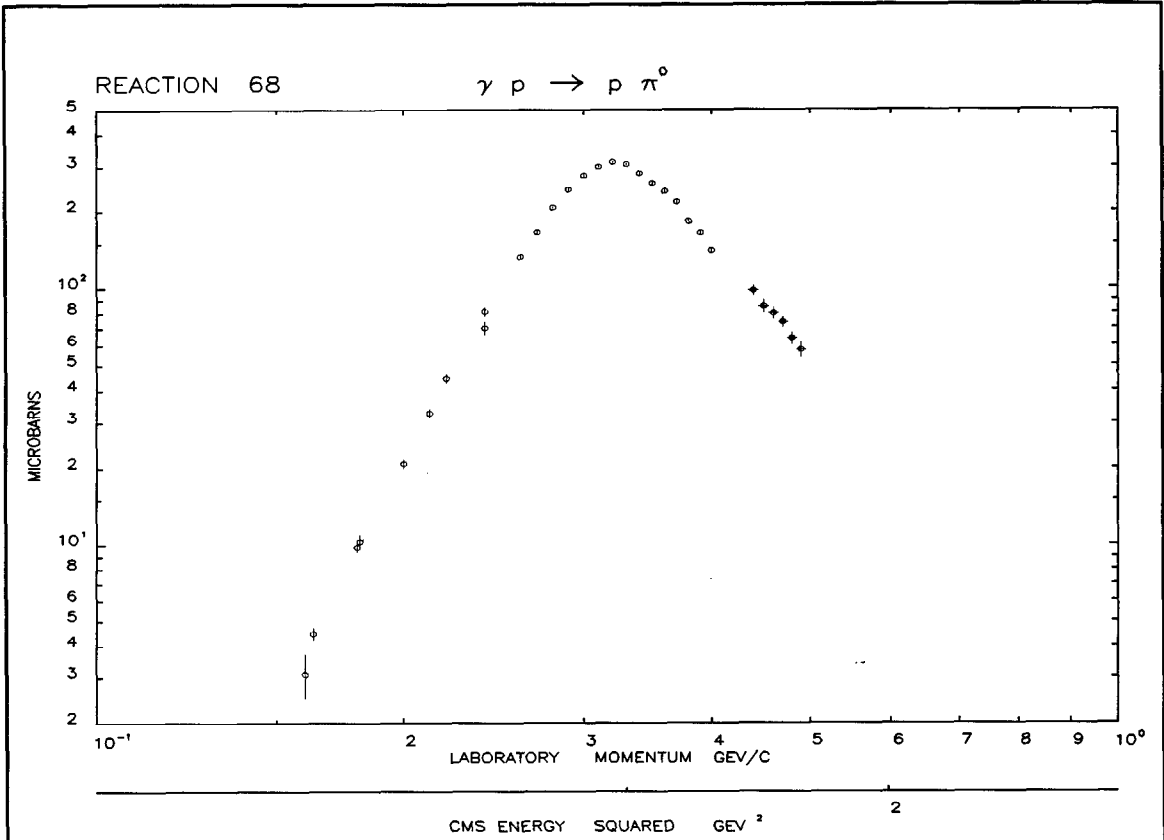
IX.3 γ : Plots



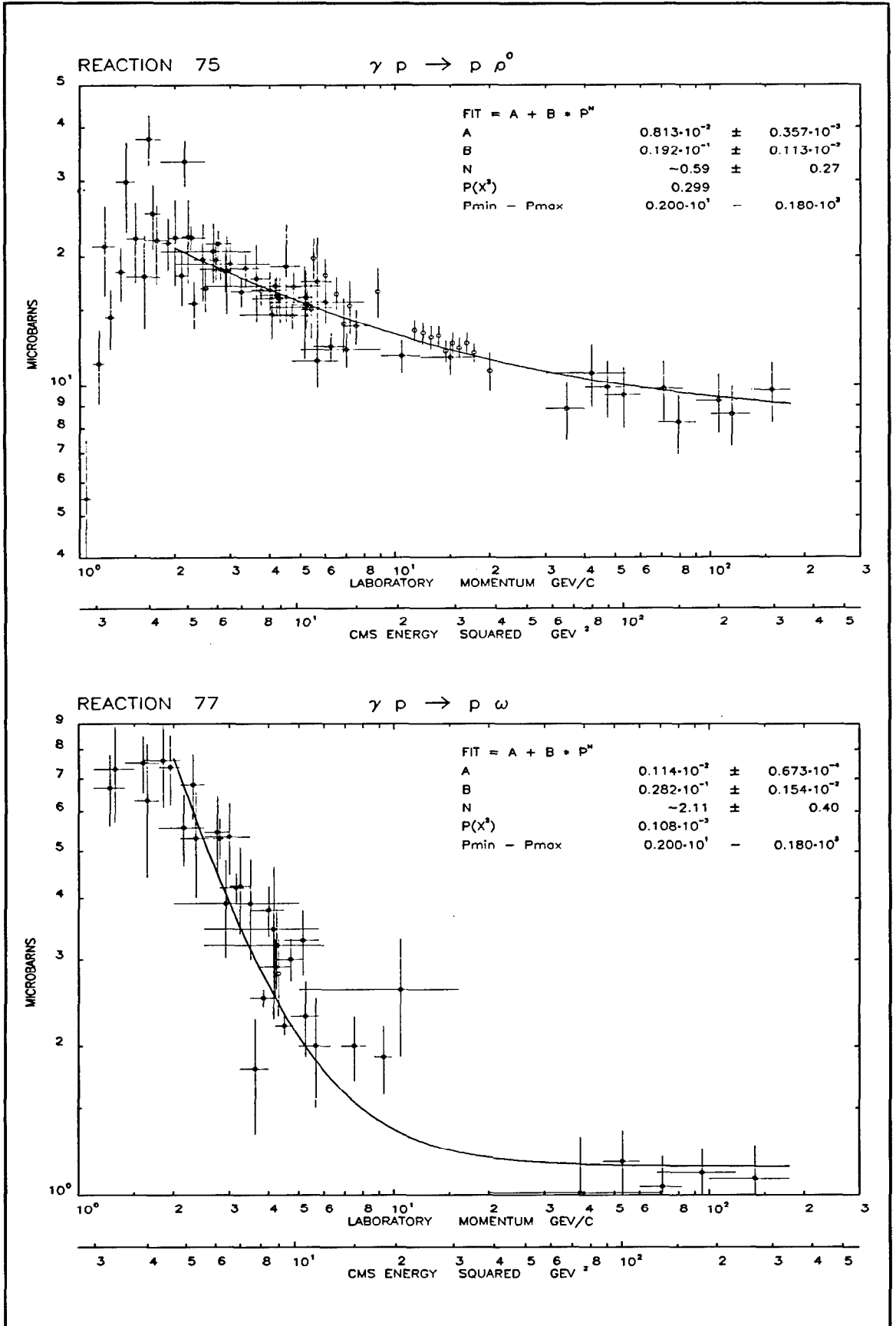
IX.3 γ : Plots



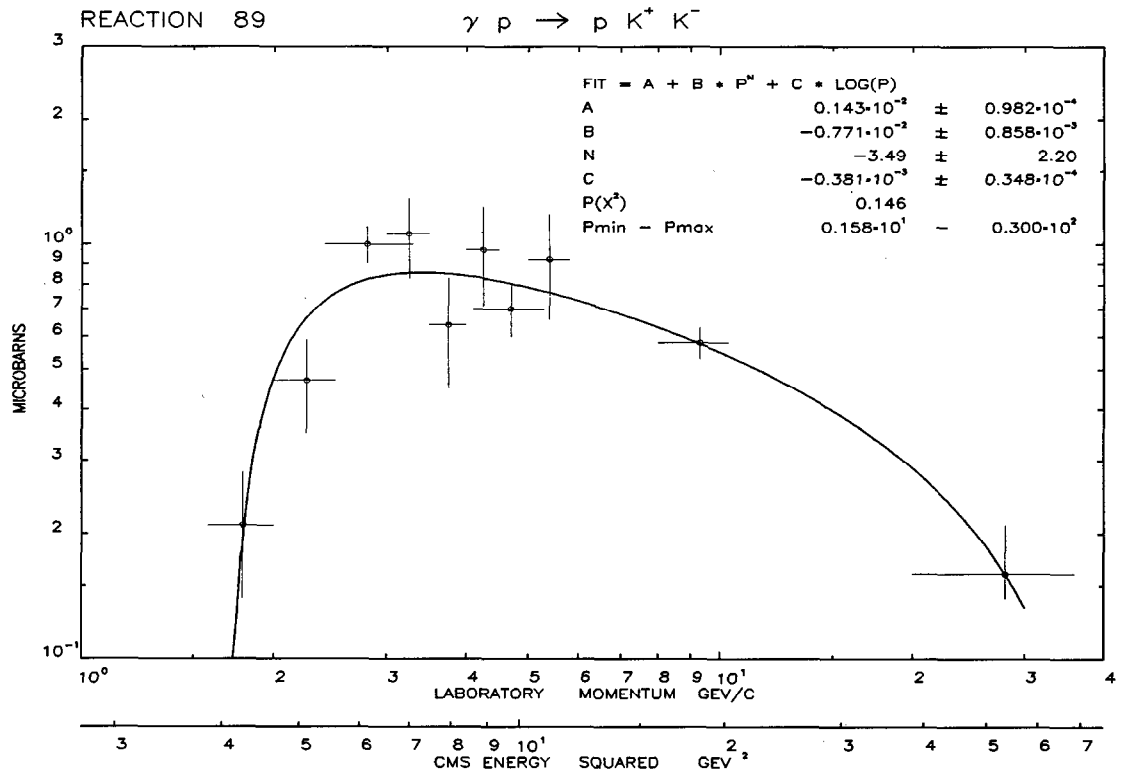
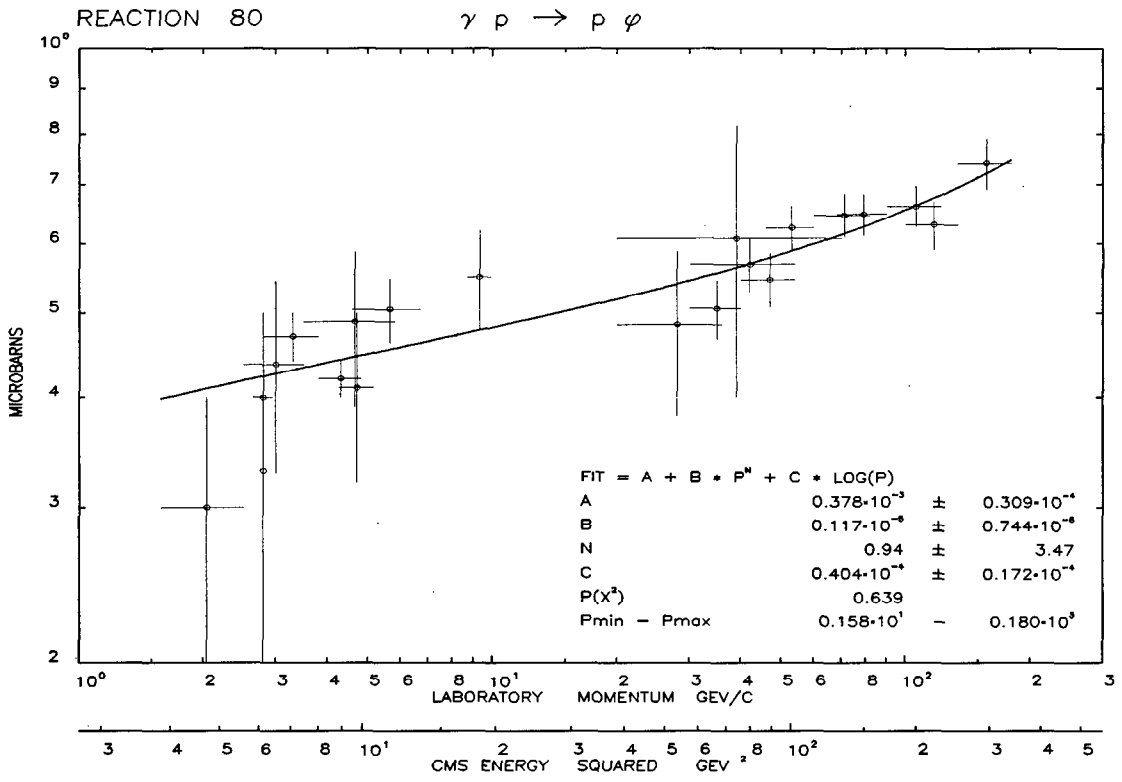
IX.3 γ : Plots



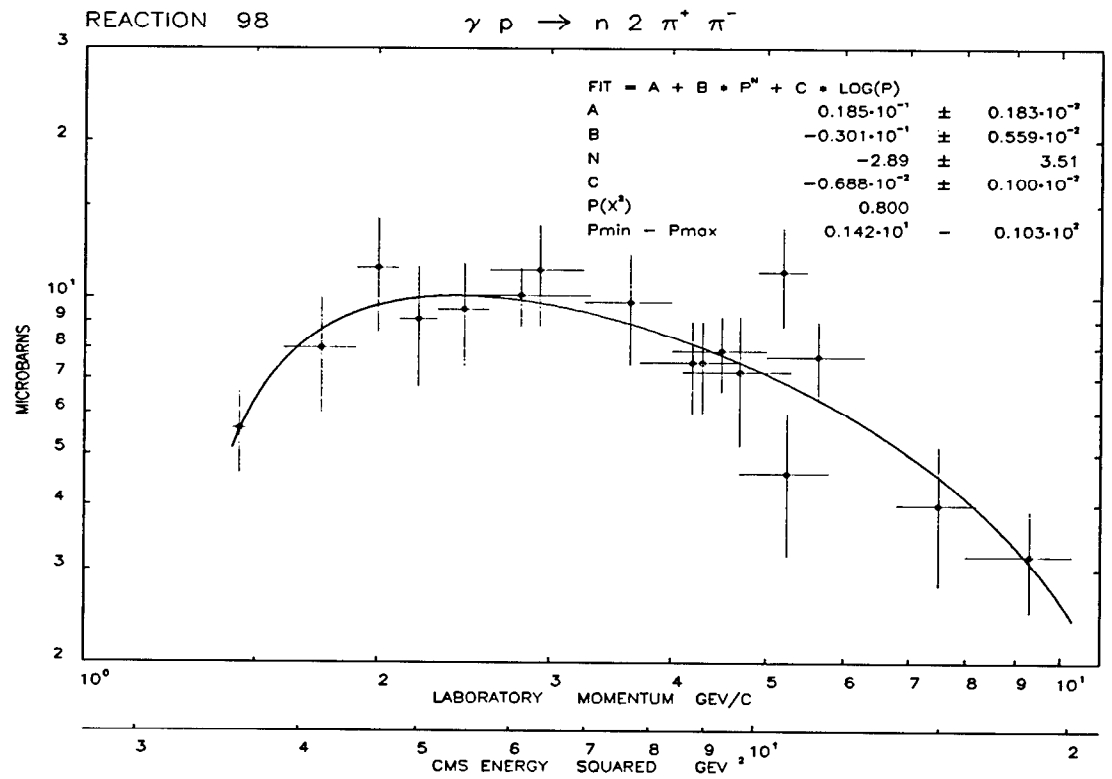
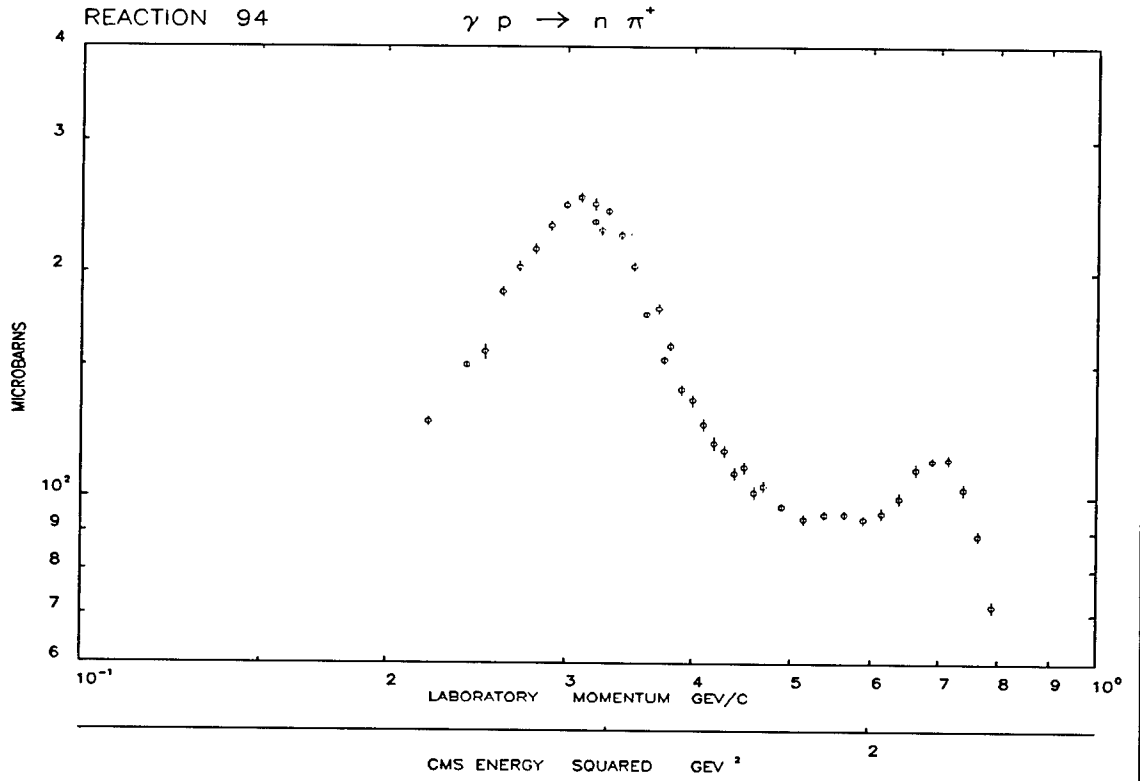
IX.3 γ : Plots



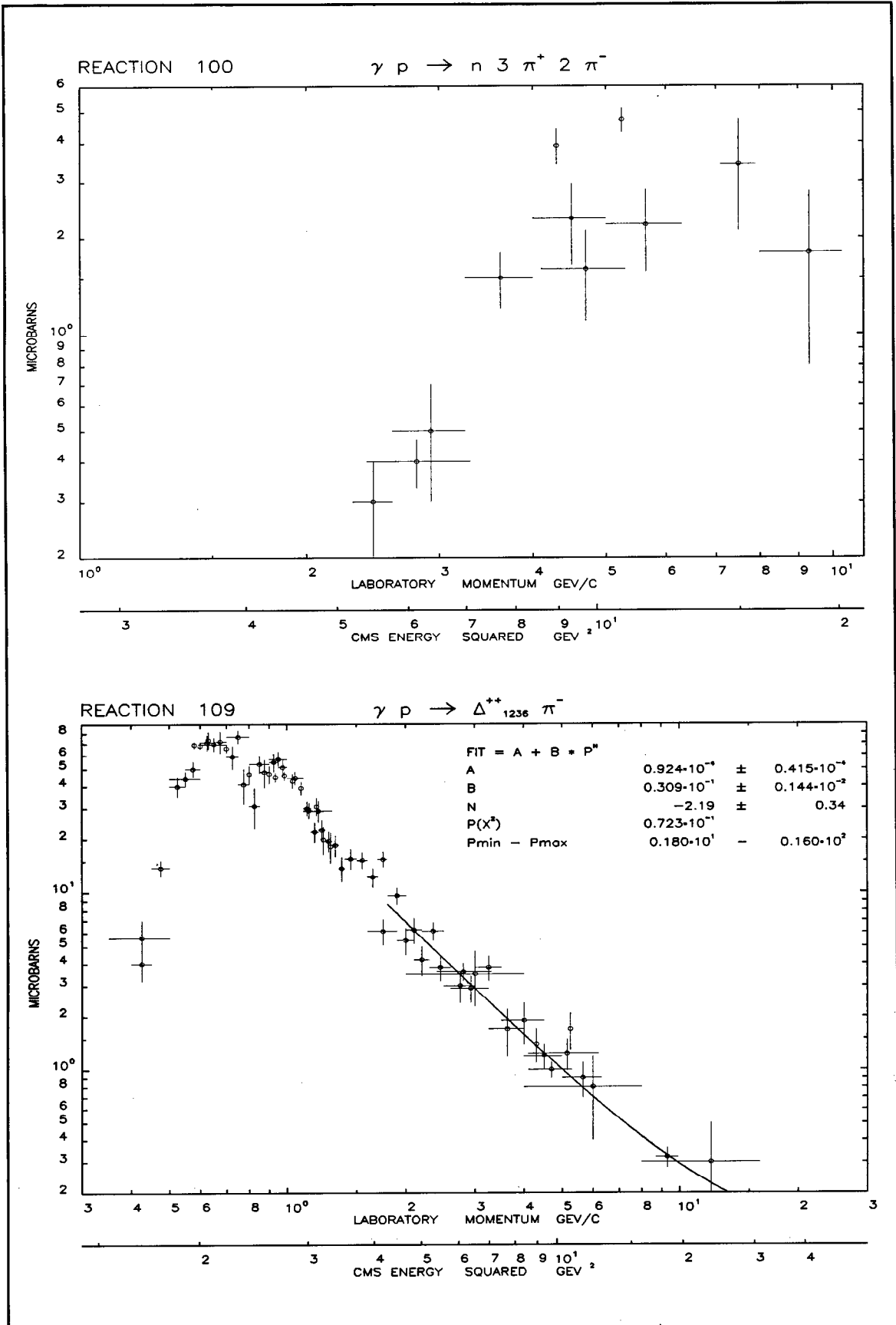
IX.3 γ : Plots



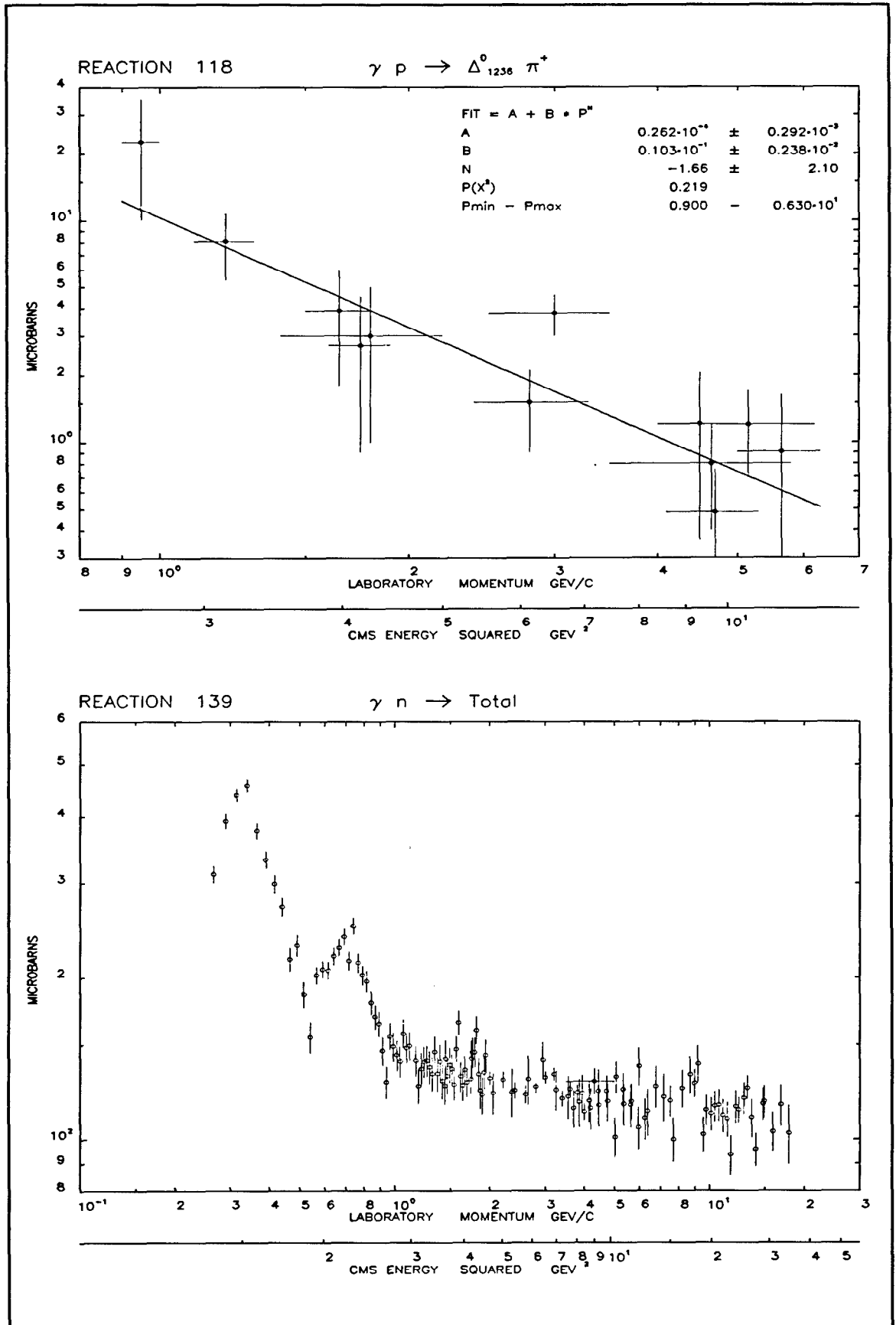
IX.3 γ : Plots



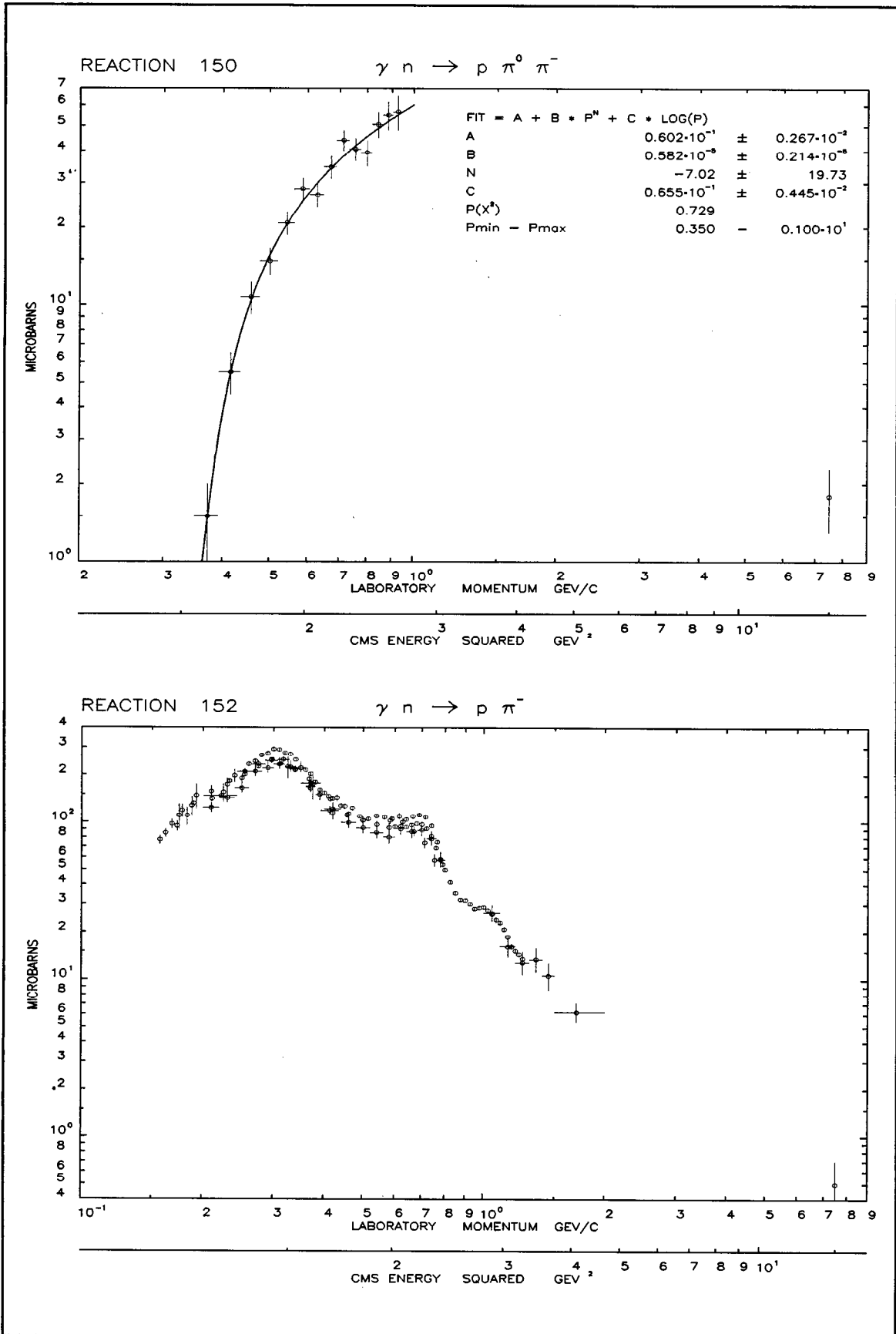
IX.3 γ : Plots



IX.3 γ : Plots



IX.3 γ : Plots



IX.3 γ : Plots

