ORGANISATION EUROPÉENNE POUR LA RECHERCHE NUCLÉAIRE
CERN
EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH

LIST OF PUBLICATIONS COVERING BUBBLE CHAMBER EXPERIMENTS
CARRIED OUT AT CERN DURING THE YEAR 1975
ADDENDUM TO THE LIST OF PUBLICATIONS CERN 76-02

Compiled by E.W.D. Steel
ABSTRACT

In this addendum, some 250 references are given, grouped by experiment number and bubble chamber under the main headings of incoming beam particle and momentum. A table of all bubble chamber experiments proposed during 1960-1975 is included, as well as lists of experiments, for each beam particle, for which results have been published. Amendments to the original list are made. The references give title, first author, collaborating institutions (in abbreviated form), and reference to the scientific periodical; conference papers and theses are not included.
TECHNICAL NOTE

1. The compilation is limited to publications which have appeared in the principal scientific journals during the period under review. It does not include doctoral theses or contributions to conferences, whether or not the latter have appeared in the proceedings.

2. The following bubble chambers are represented:
   - 30 cm CERN Chamber
   - 100 cm Ecole Polytechnique Heavy Liquid Chamber
   - 80 cm Saclay Hydrogen Bubble Chamber
   - 120 cm CERN Heavy Liquid Chamber
   - 150 cm British National Bubble Chamber
   - 200 cm CERN Chamber
   - HYBUC
   - GARGAMELLE

3. Publications are listed according to particle and momenta. Those covering experiments carried out at varying momenta are listed under each separate heading.

4. Titles of papers appear in the chronological order in which they were published.

5. The first author only is given.

6. Laboratories are listed throughout in alphabetical order.

7. CERN Yellow Report 76-02 plus the present addendum cover the period 1960-1975.

8. Every effort has been made to ensure that the information given is as accurate and as complete as possible. Corrections, modifications and/or additions should be notified immediately to:

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   EF Division CERN
   CH-1211 GENEVA 25
   Switzerland
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TABLE OF ALL BUBBLE CHAMBER EXPERIMENTS PROPOSED DURING THE PERIOD 1960-1975 (cont'd)

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TABLE OF ALL BUBBLE CHAMBER EXPERIMENTS PROPOSED DURING THE PERIOD 1960-1975 (cont'd)

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### TABLE OF ALL BUBBLE CHAMBER EXPERIMENTS PROPOSED DURING THE PERIOD 1960-1975 (cont'd)

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### LIST OF PROTON EXPERIMENTS ALREADY PUBLISHED

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Investigation of the production mechanism of electron-positron pairs in pp interactions at 10 GeV/c
E.G. Boos et al.
Alma-Ata
Issue No. 4, 1 (1988)

Investigation of particle angular distributions at 10 GeV/c
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Issue No. 6, 29 (1970)

Study of the dynamics of resonance production in four-prong proton-proton interactions at 10 GeV/c
Zh.S. Takibaev et al.
Moscow
 Yadernaya Fiz. (Soviet J. Nuclear Phys.)
Vol. 15, 113 (1971)

Study of quasi-two-particle reactions in proton-proton interactions
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Pis'ma v ZhETF 13, 122 (1971)

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E.G. Boos et al.
Moscow

Identification of secondary particles by using ionization losses in a hydrogen bubble chamber
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Moscow

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Issue No. 2, 30 (1972)

Influence of neutral particles on the kinematical estimation of initial energy
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Issue No. 6, 42 (1972)

Analysis of angular and energy characteristics of secondary particles produced in proton-proton interactions at 10 GeV/c
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Alma-Ata
Issue No. 6, 24 (1973)

Effective region of baryon resonance production
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Issue No. 6, 5 (1974)

Investigation of the properties of quasi-two-particle reactions in proton-proton interactions
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Alma-Ata
Issue No. 2, 10 (1974)
p at 12 GeV/c

200 cm Hydrogen Bubble Chamber - Experiment: T 159

Transverse momentum transfer in pp interactions
A. BiaIs et al.
Bonn-DESY-Hamburg-MPI/Munich
Nuclear Phys. B26, 365 (1975)

Study of correlation effects in high multiplicity proton-proton reactions at 12 and 24 GeV/c
V. Blobel et al.
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Nuclear Phys. B26, 18 (1975)

Study of the low-mass diffractive system produced in pp collisions at 12 and 24 GeV/c
V. Blobel et al.
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Nuclear Phys. B26, 201 (1975)

Investigation of diffraction dissociation in single-pion production reactions in nucleon-nucleon collisions at 12 GeV/c
K. Boeckmann et al.
Bonn-DESY-Hamburg-MPI/Munich
Nuclear Phys. B26, 46 (1975)

Partial wave analysis of the low mass ($\pi^+\pi^-p$) system produced in the reaction pp $\rightarrow p(\pi^+\pi^-p)$ at 12 and 24 GeV/c
V. Blobel et al.
Bonn-DESY-Hamburg-MPI/Munich
Nuclear Phys. B26, 201 (1975)

p at 19 GeV/c

200 cm Hydrogen Bubble Chamber - Experiment: T 82

Study of four-prong pp interactions at momentum 19.1 GeV/c
Zh.S. Takibaev et al.
Alma-Atta
Yadernaya Fiz. (Soviet J. Nuclear Phys.) Vol. 18, 374 (1972)

Analysis of reactions pp $\rightarrow$ NN2$\pi$ and pp $\rightarrow$ N$N3\pi$ at the incident momentum 19.1 GeV/c
Zh.S. Takibaev et al.
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Characteristics of exclusive reactions in proton-proton interactions at momentum 19.1 GeV/c
Zh.S. Takibaev et al.
Alma-Atta

Investigation of resonance production in inelastic proton interaction at 19.1 GeV/c
Zh.S. Takibaev et al.
Alma-Atta

Investigation of characteristics of inelastic pp interactions with the finite number of particles in the final state at 19.1 GeV/c
Zh.S. Takibaev et al.
Alma-Atta

Note on f(1540) production in the reaction pp $\rightarrow$ p$\pi^+\pi^-p$ at 19 GeV/c
V. Rakken et al.
Oslo
Nuclear Phys. B80, 227 (1975)
p at 19 GeV/c (cont'd)

200 cm Hydrogen Bubble Chamber - Experiment: T 82 (cont'd)

Some features of the spectra of nucleon
pp + NN + nnn reactions at 19 GeV/c
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Nuclear Phys. B81, 365 (1975)

Quasi-two-particle reactions in proton-
proton interactions at momentum 19.1 GeV/c
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Yadernaya Fiz. (Soviet J. Nuclear Phys.)
Vol. 20, 1015 (1975)

Coherent production of mesons in nucleon-
ucleon interactions
Zh. S. Takibaev et al.
Alma-Ata

Study of inclusive reactions pp + \pi^+ +
anything
Zh. S. Takibaev et al.
Alma-Ata
Yadernaya Fiz. (Soviet J. Nuclear Phys.)
Vol. 21, 841 (1975)

200 cm Deuterium Bubble Chamber - Experiments: T 157, T 194

Exchange mechanisms and energy dependence
of isospin amplitudes for the reaction
pN → NN in the energy range 5-1480 GeV/c
E. Dahl-Jensen et al.
Åbo Akademi-Copenhagen-Helsinki-Oslo-
Stockholm
Nuclear Phys. B87, 426 (1975)

p at 24 GeV/c

200 cm Hydrogen Bubble Chamber - Experiment: T 158

Test of the Zweig selection rule in zero
production in pp collisions
V. Blobel et al.
Bonn-DESY-Hamburg-MPI/Munich

Study of the low-mass diffractive system
produced in pp collisions at 12 and
24 GeV/c
V. Blobel et al.
Bonn-DESY-Hamburg-MPI/Munich
Nuclear Phys. B28, 521 (1975)

Transverse momentum transfer in pp inter-
actions
A. BlazJas et al.
Bonn-DESY-Hamburg-MPI/Munich

Partial wave analysis of the low mass
(\pi^+p) system produced in the reaction
pp → p(\pi^+p) at 12 and 24 GeV/c
V. Blobel et al.
Bonn-DESY-Hamburg-MPI/Munich
Nuclear Phys. B27, 201 (1975)

Study of correlation effects in high multi-
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24 GeV/c
V. Blobel et al.
Bonn-DESY-Hamburg-MPI/Munich
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LIST OF ANTIPROTON EXPERIMENTS ALREADY PUBLISHED (cont'd)

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<th>No. of pictures (kpix)</th>
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</table>
81 cm Hydrogen Bubble Chamber - Experiments: T 20, T 101

Nouvelle détermination du rapport de branchement (modes neutres/ensemble des modes) de la désintégration du méson ω
C. d'Andlau et al.
CERN-College de France-EP/Paris
CR Acad. Sci. 268, 1278 (1969)

A Antiproton cross-sections in a continuum of energy
M. Laloum
Collège de France
Nuclear Instrum. Methods 178, 880 (1976)

p partial wave analysis at 400 and 500 MeV/c
M. Laloum
Collège de France
Phys. Letters 50B, 481 (1975)

p at 0.8-1.2 GeV/c

81 cm Hydrogen Bubble Chamber - Experiments: T 69, T 70

Evidence for JPC = 0++ for the S(1930) meson from pp backward elastic scattering
C. d'Andlau et al.
Collège de France-Pisa
Phys. Letters 58B, 253 (1975)

p at 1.0-1.6 GeV/c

81 cm Deuterium Bubble Chamber - Experiment: T 147

Experimental study of pn annihilations between 1.0 and 1.6 GeV/c
R. Huesman et al.
Berkeley-Padova-Pisa-Torino
Nuovo Cimento 28A, 91 (1975)

p at 1.5-2.0 GeV/c

200 cm Hydrogen Bubble Chamber - Experiment: T 173

Spin and polarization of the D and E mesons in pp annihilations
V. Vuillemin et al.
Glasgow-Lausanne-Liverpool-Neuchâtel-LPME/Paris
Nuovo Cimento Letters 14, 185 (1975)

K+K- threshold effect and ππ interaction.
A phenomenological approach
R. Brenzikofer et al.
Lausanne-Neuchâtel
Nuovo Cimento Letters 14, 439 (1975)
\[ \bar{p} \text{ at 1.6-2.6 GeV/c} \]

**Gargamelle Heavy Liquid Bubble Chamber - Experiment: T 213**

An experimental study of the production of neutral pions in \( \bar{p}p \) annihilations at 1.6 GeV/c

E. Fett et al.
Bergen-CERN-EP/Palaiseau-Strasbourg

\[ \bar{p} \text{ at 4.5 GeV/c} \]

**200 cm Hydrogen Bubble Chamber - Experiment: T 145**

The reaction \( \bar{p}p \to 2\pi^+2\pi^- \) at intermediate energies
D. Everett et al.
Liverpool
*Nuclear Phys. B92*, 78 (1975)

Is antiproton annihilation central or peripheral?
G. Warren et al.
Liverpool-Stockholm
*Nuclear Phys. B97*, 381 (1975)

\[ \bar{p} \text{ at 5.7 GeV/c} \]

**200 cm Hydrogen Bubble Chamber - Experiment: T 108**

Strange particle production in \( \bar{p}p \) collisions at 5.7 GeV/c
H. Atherton et al.
CERN

Isospin analysis of \( \bar{N}N \to \bar{N}N\bar{m} \) reactions at 5.7 GeV/c
H. Braun et al.
LPNHE/Paris-Strasbourg

The reaction \( \bar{p}p \to \bar{p}\pi^+\pi^-\pi^0 \) at 5.7 GeV/c and a \( \pi^0(\rho^0) \) enhancement at 1.81 GeV/c
H. Atherton et al.
CERN-CSNS/Prague

A t-channel isospin analysis of the Chew-Low plot for \( NN \to N(N\bar{m}) \) interactions at 5.7 GeV/c
Z. Struchman et al.
LPNHE/Paris-Strasbourg

Analysis of two-prong events in antiproton-proton interactions at 5.7 GeV/c
H. Braun et al.
LPNHE/Paris-Strasbourg
*Nuclear Phys. B95*, 491 (1975)

\[ \bar{p} \text{ at 7.3 GeV/c} \]

**200 cm Hydrogen Bubble Chamber - Experiment: T 195**

Average transverse momentum and the seagull effect
G.W. van Apeldoorn et al.
Amsterdam-Nijmegen
*Nuclear Phys. B81*, 1 (1975)
\[ p \] at 9 GeV/c

200 cm Hydrogen Bubble Chamber - Experiment: T 184

Is antiproton annihilation central or peripheral?
G. Warren et al.
Liverpool-Stockholm
*Nuclear Phys.* B97, 381 (1976)

Study of the reaction \[ \bar{p}p + \Lambda^{++}\Lambda^{++} \] at 9.1 GeV/c
Ch. Walck et al.
Liverpool-Stockholm
*Nuclear Phys.* B100, 61 (1976)

Search for charmed matter in 9.1 GeV/c antiproton-proton reactions
R. Carlsson et al.
Liverpool-Stockholm

200 cm Deuterium Bubble Chamber - Experiment: T 169

Study of charged multiplicity distributions in \[ \bar{p}n \] interactions at 5.55, 9.3 and 14.5 GeV/c
A. Fridman et al.
Case Western Reserve-Rutgers-Stevens
Inst. Tech.-Strasbourg
*Phys. Rev. D* 12, 1414 (1975)
LIST OF POSITIVE KAON EXPERIMENTS ALREADY PUBLISHED

<table>
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<th>Expt. T No.</th>
<th>Beam particle</th>
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K⁺ stop

120 cm Heavy Liquid Bubble Chamber - Experiment: T 134

A study of the semi-leptonic decays of K⁺ mesons
H. Braun et al.
Aachen-Bari-Brussels-CERN

ERRATUM TO CERN 76-08

81 cm Deuterium Bubble Chamber - Experiment: T 53

On the existence of pions with spin
G. Rinaudo et al.
Torino
Phys. Rev. Letters 14, 761 (1965);

K⁺ at 1.2-1.8 GeV/c

200 cm Hydrogen Bubble Chamber - Experiment: T 155

Partial waves in the K⁺p interaction between 1.2 and 1.7 GeV/c
E. Lesquoy et al.
CERN-Saclay
Nuclear Phys. B98, 346 (1975)

K⁺ at 3-3.5 GeV/c

81 cm Hydrogen Bubble Chamber - Experiment: T 12

Search for baryonic resonances with S = +1 in K⁺p production experiments
G. Bassompierre et al.
Brussels-CERN
Phys. Letters 27B, 468 (1968)

Production of a N⁺/2(1575) baryon resonance in K⁺p reactions
G. Bassompierre et al.
Brussels-CERN

Observation of the reaction K⁺p → ppπ
G. Bassompierre et al.
Brussels-CERN
Nuovo Cimento 48A, 589 (1967)
K⁺ at 4.6 GeV/c

81 cm/200 cm Deuterium Bubble Chambers - Experiment: T 52

The reaction K⁺d → K⁺π⁺d at 4.6 GeV/c
W. Dummock et al.
Brussels-CERN-Mons-MPI/Munich
Nuclear Phys. B81, 189 (1975)

G. Dehm et al.
MPI/Munich
Nuclear Phys. B82, 387 (1975)

TO BE OMITTED FROM CERN 76-02

Antiproton-proton elastic scattering at 4 GeV/c and derivation of diffraction slope at infinite energy
O. Czyzewski et al.
CERN
Phys. Letters 16, 188 (1965)

Search for baryonic resonances with S = +1 in K⁺p production experiments
G. Bassompierre et al.
Brussels-CERN

K⁺ at 5 GeV/c

81 cm/150 cm/200 cm Hydrogen Bubble Chambers - Experiment: T 55

Isospin analysis of the diffraction dissociation processes in K⁺p interactions at 5.0 and 8.2 GeV/c
A. Eskreys
Cracow

Study of the inclusive reactions K⁺p → K⁺ + anything at 5, 8.2, and 16 GeV/c in the proton fragmentation region
G. Ciapetti et al.
Birmingham-Brussels-CERN-Mons-IPN/Paris-Saclay

Determination of the K⁺π⁻ total cross-section for c.m. energy up to 1.8 GeV
P.V. Chlipninikov et al.
Antwerp-CERN-Mons-Serpukhov

Determination of the K⁺π⁻ total cross-section for c.m. energy up to 1.8 GeV
P.V. Chlipninikov et al.
Antwerp-Brussels-CERN-Mons

Spin, branching ratios and production characteristics of the K⁺(1420)
G. Bassompierre et al.
Brussels-CERN
Nuclear Phys. B13, 189 (1968)
K$^+$ at 5 GeV/c (cont'd)

81 cm/150 cm/200 cm Hydrogen Bubble Chambers - Experiment: T 55 (cont'd)

ERRATUM TO CERN 78-02

Search for baryonic resonances with $S = +1$ in K$^+$p production experiments

G. Bassompierre et al.
Brussels-CERN
Phys. Letters 275, 468 (1987)

K$^+$ at 8 GeV/c

200 cm Hydrogen Bubble Chamber - Experiment: T 99

Isospin analysis of the diffraction dissociation processes in K$^+$p interactions at 5.0 and 8.2 GeV/c

A. Eskreys
Cracow

Production of $\eta$ mesons in K$^+$p interactions at 8.2 GeV/c

J. Bartke et al.
Cracow

A spin-parity analysis of the K$^+$K$^+$K$^-$ system produced in the reactions K$^+$p $\rightarrow$ K$^+$K$^+$K$^-$p

J.N. Carney et al.
Birmingham-Brussels-CERN-Mons-Saclay

Inclusive K$^0$, K$^{*0}$ (892), and $\pi^\pm$ production in K$^+$p interactions at 8.2 and 16 GeV/c and quark models in the central and fragmentation regions

P.V. Chliapnikov et al.
Antwerp-CERN-Mons-Serpukhov
Nuclear Phys. B85, 189 (1975)

Approach to scaling in proton fragmentation studied in the reactions K$^+$p $\rightarrow$ $\pi^\pm$X and K$^+$p $\rightarrow$ $\pi^0$X

P.A. Baker et al.
Aachen-Berlin-CERN-IC/London-Vienna + Birmingham-Brussels-CERN-Mons-IPN/Paris-Saclay
Nuclear Phys. B89, 189 (1975)

Study of the inclusive reaction K$^+$p $\rightarrow$ K$^+$ + anything at 5, 8.2, and 16 GeV/c in the proton fragmentation region

G. Ciapetti et al.
Birmingham-Brussels-CERN-Mons-IPN/Paris-Saclay
Nuclear Phys. B89, 365 (1975)

 Determination of the K$^*$ total cross-section for c.m. energy up to 1.8 GeV

P.V. Chliapnikov et al.
Antwerp-Brussels-CERN-Serpukhov
Nuclear Phys. B91, 413 (1975)

Study of the inclusive reaction K$^+$p $\rightarrow$ K$^0$ + anything at 5, 8.2 and 16 GeV/c in the central region

P.V. Chliapnikov et al.
Antwerp-Birmingham-Brussels-CERN-Mons-Serpukhov
Nuclear Phys. B97, 1 (1975)

TO BE OMITTED FROM CERN 78-02

200 cm Deuterium Bubble Chamber - Experiment: T 188

Simultaneous resonance production in quasi-three-body reactions in K$^+$p interactions at 8.25 GeV/c

A. Eskreys et al.
Brussels-CERN-Cracow-Mons
Nuclear Phys. B83, 28 (1973)
K$^+$ at 10 GeV/c

120 cm Heavy Liquid Bubble Chamber - Experiments: T 119, T 120

A study of 10 GeV/c K$^+$-nucleus coherent interactions and the Q$^+$-nucleon cross-section
M. Hagenauer et al.
Bergen-Madrid-EP/Paris-Strasbourg

A study of the charge exchange process K$^+$n → K$^+$p at 10 GeV/c
M. Hagenauer et al.
Bergen-Madrid-EP/Paris-Strasbourg

200 cm Hydrogen Bubble Chamber - Experiments: T 41, T 141

A spin-parity analysis of the K$^+K^-K^+$ system produced in the reaction K$^+p → K^+K^-K^+$p
J.N. Carney et al.
Birmingham-Brussels-CERN-Mons-Saclay

TO BE OMITTED FROM CERN 76-08

A study of 10 GeV/c K$^+$-nucleus coherent interactions and the Q$^+$-nucleon cross-section
M. Hagenauer et al.
Bergen-Madrid-EP/Paris-Strasbourg

A study of the charge exchange process K$^+$n → K$^+$p at 10 GeV/c
M. Hagenauer et al.
Bergen-Madrid-EP/Paris-Strasbourg

K$^+$ at 16 GeV/c

200 cm Hydrogen Bubble Chamber - Experiment: T 148

A spin-parity analysis of the K$^+K^-K^+$ system produced in the reaction K$^+p → K^+K^-K^+$p
J.N. Carney et al.
Birmingham-Brussels-CERN-Mons-Saclay

Study of the K$^+n^-$ total cross-section for c.m. energy 3.4 GeV
P.V. Chliapnikov et al.
Birmingham-Brussels-CERN-Mons-Serpukhov

Inclusive K$^0$, K$^{**}$(892) and π$^+$ production in K$^+p$ interactions at 8.2 and 16 GeV/c and quark models in the central and fragmentation regions
P.V. Chliapnikov et al.
Antwerp-CERN-Mons-Serpukhov
Nuclear Phys. 989, 193 (1976)

Approach to scaling in proton fragmentation studied in the reactions K$^+p + π^+X$ and K$^+p + π^0X$
P.A. Baker et al.
Aachen-Berlin-CERN-IC/London-Vienna + Birmingham-Brussels-CERN-Mons-IPN/Paris-Saclay
Nuclear Phys. 989, 188 (1976)

Study of the inclusive reactions K$^+p → K^0 + K^0 +$ anything at 5, 8.2, and 16 GeV/c in the proton fragmentation region
G. Ciapetti et al.
Birmingham-Brussels-CERN-Mons-IPN/Paris-Saclay
Nuclear Phys. 989, 365 (1976)

Determination of the K$^+π^-$ total cross-section for c.m. energy up to 1.8 GeV
P.V. Chliapnikov et al.
Antwerp-Brussels-CERN-Mons-Serpukhov
Nuclear Phys. 981, 413 (1976)
Study of the inclusive reaction $K^+ p \rightarrow K^0 + \text{anything at 5, 8.2 and 16 GeV/c}$
in the central region

P.V. Chliapnikov et al.
Antwerp-Birmingham-Brussels-CERN-Mons-
Serpukhov

*Nuclear Phys. B**7, 1 (1975)*
### List of Negative Kaon Experiments Already Published

<table>
<thead>
<tr>
<th>Expt. T No.</th>
<th>Beam particle</th>
<th>Beam momentum (GeV/c)</th>
<th>Bubble chambers</th>
<th>No. of pictures (kpix)</th>
<th>Links with other expt. T No.</th>
<th>Collaboration</th>
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<tr>
<td>T 33</td>
<td>$K^-$</td>
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<td>HLC100</td>
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<td>T 165 T 166</td>
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<td>T 126 T 142 T 156 T 130</td>
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(cont'd)
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<td>T 215</td>
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<td>T 64</td>
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<td>T 164</td>
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<td>T 121</td>
<td>Berkeley-Milano-Orsay-EP/Paris-Saclay-Strasbourg-Valencia</td>
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<td>( K^- )</td>
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<td>T 109, T 214</td>
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<td>T 109, T 186</td>
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<td>T 220</td>
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<td>T 177</td>
<td>Aachen-Berlin-CERN-IC/London-WC/London-Vienna</td>
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</table>
K\(^-\) stop

100 cm/120 cm Heavy Liquid Bubble Chambers - Experiments: T 165, T 166

The conversion probability and emission ratio of charged \(\Xi\) hyperons following \(K\^-\) meson capture at rest in carbon

C. Vander Velde-Wilquet et al.
Brussels-UK/London

K\^-\) at 0.5-2.8 GeV/c

120 cm Heavy Liquid Bubble Chamber - Experiment: T 133

Study of the reactions \(K\^- p \rightarrow \Lambda^0 + \) neutrons in the c.m. energy range from 1580 to 1750 MeV

D.J. Candlin et al.
BNL-CERN-Orsay-EP/Palaiseau-Torino

81 cm Hydrogen/Deuterium Bubble Chambers - Experiments: T 175, T 176

\(K\^- p\) cross-sections between 1.1 and 1.4 GeV/c

J. Griselin et al.
CERN-Heidelberg-MPI/Munich-Saclay
Nuclear Phys. B80, 180 (1975)

200 cm Hydrogen Bubble Chamber - Experiments: T 126, T 130, T 142, T 156, T 165, T 168, T 218, T 221

New data on the reaction \(K\^- p \rightarrow \Lambda^0\) from 1.834 to 2.516 GeV/c and partial wave analysis for this reaction between 2070 MeV and 2436 MeV c.m.s. energy

A. de Bellefon et al.
Collège de France-Saclay
Nuclear Phys. B80, 1 (1975)

New data on \(K\^- p \rightarrow K^0 p + \) and \(K^0 n\) and a partial wave analysis between 1840 and 2234 MeV centre-of-mass energy

R.J. Hemingway et al.
CERN-Heidelberg-MPI/Munich
Nuclear Phys. B61, 12 (1975)

New data on \(K\^- p \rightarrow \omega A\) and a partial wave analysis between the c.m. energies 1915 and 2168 MeV

A. Nakkasyan
CERN

Energy independent partial wave analysis of \(KN \rightarrow \Lambda n\) between 1540 and 2150 MeV

P. Baillon et al.
CERN-RL

The reactions \(K\^- p \rightarrow \Xi^- K^0 p\) between 2210 and 2435 c.m.s. energy

A. de Bellefon et al.
Collège de France-Saclay
Nuovo Cimento B68, 289 (1975)

A high statistics determination of the \(\Lambda^0\) mean lifetime

E. Clayton et al.
IC/London-RL
K⁺ at 0.5-2.8 GeV/c (cont'd)

200 cm Deuterium Bubble Chamber - Experiment: T 174

An analysis of the Λ(1520) observed in a K⁺ neutron experiment
M.J. Corden et al.
Birmingham
*Nuclear Phys. B84, 306 (1975)*

Isobar model analysis of the reactions K⁺n → K⁺π⁻p and K⁺n → K⁺s⁻n in the centre-of-mass energy region 1.9 to 2.2 GeV
M.J. Corden et al.
Birmingham
*Nuclear Phys. B88, 365 (1975)*

ERRATA TO CERN 76-02

The publications that were listed under K⁻ at 3.8-4.6 GeV/c, Experiment T 112 performed in the 200 cm HBC, should be presented as follows.

K⁻ at 3.1-3.6 GeV/c

200 cm Hydrogen Bubble Chamber - Experiment: T 112A

π⁻ resonance with mass 1605 MeV/c²
R.T. Ross et al.
Oxford
*Phys. Letters 38B, 177 (1972)*

K⁺p elastic scattering at 3.59 GeV/c
A.W. Lomon et al.
Oxford
*Nuclear Phys. B81, 296 (1973)*

The reactions K⁻p → K⁻⁺ + nucleon at 3.15 and 3.3 GeV/c
A.G. Clark et al.
Oxford
*Nuclear Phys. B84, 432 (1975)*

The reaction K⁻p → Λ0 at 3.13 and 3.3 GeV/c
A.M. Cooper et al.
Oxford
*Nuclear Phys. B88, 510 (1973)*

Reactions K⁻p + Λ, K⁻p + Λn, and K⁻p + Λ at 3.15, 3.30 and 3.59 GeV/c
G.C. Mason et al.
Oxford
*Nuclear Phys. B88, 1 (1973)*

K⁻ at 3.95 GeV/c

200 cm Hydrogen Bubble Chamber - Experiment: T 112B

Hyperon-proton interactions between 0.5 and 4.0 GeV/c
G.R. Charlton et al.
EP/Paris-Saclay

A search for Ξ resonances in K⁺p interactions at 3.95 GeV/c
J. Badier et al.
EP/Paris
*Nuclear Phys. B37, 428 (1972)*
K\(^+\) at 4.2 GeV/c

The observation of two \(\Xi^-\)p elastic scattering events
R.R.A. Dalmeijer et al.
Amsterdam-Nijmegen

The real part of the elastic scattering amplitude in the Coulomb interference region of 4.2 GeV/c K\(^-\) mesons on protons and a comparison with K\(^+)\)p scattering at 5 GeV/c
T.H.J. Bell et al.
Amsterdam-Nijmegen

Scaling properties of the inclusive reaction K\(^+)\)p \(\rightarrow\) \(\Lambda\) + anything
M. Deutschmann et al.
Aachen-Berlin-CERN-IC/London-Vienna +
Amsterdam-Nijmegen
_Nuclear Phys._ 83E, 123 (1972)

Inclusive cross-sections of medium energy kaon reactions
R. Blokzijl et al.
Amsterdam-Nijmegen
_Nuclear Phys._ 85E, 141 (1972)

Study of the reaction K\(^+)\)p \(\rightarrow\) KN at 4.2 GeV/c
H.G.J.M. Tiecke et al.
Amsterdam-Nijmegen
_Nuclear Phys._ 85E, 386 (1972)

The reactions K\(^+)\)p \(\rightarrow\) 0\(^-\) 1\(^+\) at an incoming momentum of 4.25 GeV/c
R. Blokzijl et al.
Amsterdam-Nijmegen
_Nuclear Phys._ 85E, 696 (1972)

K\(^-\) at 8.25 GeV/c

Evidence for unnatural spin-parity states of (K\(\pi\))\(^0\) in the charge exchange reaction K\(^+)\)p \(\rightarrow\) (K\(^+\)\(\pi^+\)\(\pi^-\))n
G. Otter et al.
Aachen-Berlin-CERN-IC/London-Vienna +
Athens-Demokritos-Liverpool-Vienna
_Nuclear Phys._ 884, 333 (1975)

A comparison of pion production in the reaction K\(^+)\)p \(\rightarrow\) \(\Lambda\) + pions at 8.25 GeV/c with pp and \(\bar{p}\)p annihilation data
J.R. Fry et al.
Athens-Demokritos-Liverpool-Vienna
_Nuclear Phys._ 884, 365 (1975)
K⁻ at 8.25 GeV/c (cont’d)

200 cm Hydrogen Bubble Chamber - Experiments: T 139, T 215 (cont’d)

Shape of the invariant differential cross-section in the reactions K⁺p → K⁰ + anything and K⁺p → Λ⁰ + anything at 8.2 GeV/c

E. Simopoulos et al.
Athens-Demokritos-Liverpool-Vienna
Nuclear Phys. B96, 413 (1975)

Hypercharge annihilation

H. Muirhead et al.
Athens-Demokritos-Liverpool-Vienna
Nuclear Phys. B96, 376 (1975)

Some aspects of Λ production in the exclusive reactions K⁺p → Λ⁰ + n pions at 8.25 GeV/c

P. Girtler et al.
Athens-Demokritos-Liverpool-Vienna
Nuclear Phys. B96, 13 (1975)

K⁻ at 10 GeV/c

150 cm/200 cm Hydrogen Bubble Chambers - Experiments: T 64, T 164

Evidence for unnatural spin-parity states of (Kµµ)² in the charge exchange reaction K⁺p → (K⁺π⁺π⁻)n

G. Otter et al.
Aachen-Berlin-CERN-IC/London-Vienna +
Athens-Demokritos-Liverpool-Vienna
Nuclear Phys. B84, 333 (1975)

Partial wave analysis of the (KKK) system in the reaction K⁺p + K⁻K⁻K⁺p at 10 and 16 GeV/c

G. Otter et al.
Aachen-Berlin-CERN-IC/London-Vienna
Nuclear Phys. B84, 301 (1975)

Spin-parity structure of the (Kπ) system produced in the reaction K⁺p → (K⁺π⁺π⁻)n

P. Lauscher et al.
Aachen-Berlin-CERN-IC/London-WC/London-Vienna
Nuclear Phys. B86, 189 (1975)

Evidence for different polarization properties of the pK and K⁺(890)π states of the 1⁺ wave in the Λ region

G. Otter et al.
Aachen-Berlin-CERN-IC/London-Vienna
Nuclear Phys. B84, 365 (1975)

A comparative investigation of low mass π⁻ω and K⁻ω systems at various energies

G. Otter et al.
Aachen-Berlin-Bonn-CERN-Heidelberg-IC/London-Vienna
Nuclear Phys. B87, 189 (1975)

Partial wave analysis of the (K⁺π⁻π⁻) system produced in the Q-mass region in K⁺p + (K⁺π⁻π⁻)p at 10 and 16 GeV/c

G. Otter et al.
Aachen-Berlin-CERN-IC/London-Vienna
Nuclear Phys. B86, 29 (1975)

K⁺(890) production in NKππ final states at 10 GeV/c

H. Grüssler et al.
Aachen-Berlin-CERN-IC/London-Vienna

An impact parameter analysis of multi-particle production in medium-energy meson-proton interactions

P. Bosetti et al.
Aachen-Berlin-CERN-Cracow-Heidelberg-IC/London-Vienna-Warsaw
Nuclear Phys. B87, 29 (1975)

Approach to scaling in proton fragmentation studied in the reactions K⁺p → π⁺X and K⁺p → π⁻X

P.A. Baker et al.
Aachen-Berlin-CERN-IC/London-Vienna +
Birmingham-Brussels-CERN-Mons-IPN/Paris-Saclay
Nuclear Phys. B89, 189 (1975)

K⁺(890) production in K⁺p + NK3π final states at 10 GeV/c

H. Grüssler et al.
Aachen-Berlin-CERN-IC/London-Vienna
Nuclear Phys. B89, 365 (1975)
\textbf{K}^- \textit{at 14 GeV/c}

\textit{200 cm Hydrogen Bubble Chamber - Experiments: T 109, T 186, T 214}

Inclusive antilambda production in K^-p interactions at 14.3 GeV/c
M. Bardadin-Otwinowska et al.
EP/Palaiseau-RL-Saclay

Inclusive production of charged and neutral sigma hyperons in K^-p interactions at 14.3 GeV/c
M. Bardadin-Otwinowska et al.
EP/Palaiseau-RL-Saclay
\textit{Nuclear Phys.} \textbf{B80}, 397 (1975)

Evidence for double dissociation in K^-p interactions at 14.3 GeV/c
D. Denegri et al.
EP/Palaiseau-RL-Saclay
\textit{Nuclear Phys.} \textbf{B81}, 54 (1975)

Partial wave analysis of the Q region in the reactions K^-p \rightarrow K^-\pi^+\pi^-p and K^-p \rightarrow K^-\pi^0\pi^0p at 14.3 GeV/c
S.N. Tovey et al.
EP/Palaiseau-RL-Saclay

\textbf{K}^- \textit{at 16 GeV/c}

\textit{200 cm Hydrogen Bubble Chamber - Experiments: T 177, T 220}

Evidence for unnatural spin-parity states of (K\pi)^4 in the charge exchange reaction K^-p \rightarrow (K^-\pi^-)^4n
G. Otter et al.
Aachen-Berlin-CERN-IC/London-Vienna + Athens-Demokritos-Liverpool-Vienna
\textit{Nuclear Phys.} \textbf{B84}, 233 (1975)

Spin-parity structure of the (K\pi) system produced in the reaction K^-p \rightarrow (K^-\pi^-)^4n
P. Lauscher et al.
Aachen-Berlin-CERN-IC/London-WC/London-Vienna
\textit{Nuclear Phys.} \textbf{B82}, 189 (1975)

Proton diffractive excitation in the reaction K^-p \rightarrow K^-p\pi^+\pi^- at 16 GeV/c
G. Otter et al.
Aachen-Berlin-CERN-IC/London-Vienna
\textit{Nuclear Phys.} \textbf{B87}, 1 (1975)

A comparative investigation of low mass \pi^+\omega and K\omega systems at various energies
G. Otter et al.
Aachen-Berlin-Bonn-CERN-Heidelberg-IC/London-Vienna
\textit{Nuclear Phys.} \textbf{B87}, 189 (1975)

Approach to scaling in proton fragmentation studied in the reactions K^-p \rightarrow \pi^X and K^-p \rightarrow \pi^X
P.A. Baker et al.
Aachen-Berlin-CERN-IC/London-Vienna + Birmingham-Brussels-CERN-Mons-IPM/Paris-Saclay
\textit{Nuclear Phys.} \textbf{B89}, 89 (1975)

Partial wave analysis of the (KKK) system in the reaction K^-p \rightarrow K^-K^-K^-p at 10 and 16 GeV/c
G. Otter et al.
Aachen-Berlin-CERN-IC/London-Vienna
\textit{Nuclear Phys.} \textbf{B89}, 301 (1975)
Evidence for different polarization properties of the $\rho K$ and $K^*(890)\pi$ states of the $1^+$ wave in the $Q$ region

G. Otter et al.
Aachen-Berlin-CERN-IC/London-Vienna

Partial wave analysis of the $(K^\pi\pi\pi)$ system produced in the $Q$-mass region in $K^-p \rightarrow (K^\pi\pi\pi) p$ at 10 and 16 GeV/c

G. Otter et al.
Aachen-Berlin-CERN-IC/London-Vienna

TO BE OMITTED FROM CERN 76-08

$\Omega^-$ production in $K^-p$ interactions

M. Deutschmann et al.
Aachen-Berlin-CERN-IC/London-Vienna

An impact parameter analysis of multiparticle production in medium-energy meson-proton interactions

P. Bosetti et al.
Aachen-Berlin-CERN-Cracow-Heidelberg-IC/London-Vienna-Warsaw

A comparison of $\pi\pi\pi$, $\bar{\pi}\pi\pi$, $\pi K\bar{K}$, $K\bar{K}\bar{K}$ systems produced in the reactions $\text{meson} + p \rightarrow 3 \text{mesons} + p$

P. Bosetti et al.
Aachen-Berlin-Bonn-CERN-Heidelberg-IC/London-Vienna
LIST OF POSITIVE PI ON EXPERIMENTS ALREADY PUBLISHED

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<td>Aachen-Bonn-CERN-Warsaw</td>
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\[ \pi^+ \text{ at } 3.5 \text{ GeV/c} \]

120 cm Heavy Liquid Bubble Chamber - Experiment: T 167

Features of the \( \pi^0 \pi^0 \) system produced in \( 5\pi \) final states by 3.5 GeV/c
J.L. Riester et al.
Bergen-Madrid-Orsay-EP/Palaiseau-Strasbourg

\[ \pi^+ \text{ at } 4 \text{ GeV/c} \]

81 cm Hydrogen Bubble Chamber - Experiment: P 8

Pion production in pion-proton collisions at 4-11 GeV/c multiplicity distribution and a possible qualitative interpretation of the baryon angular distribution
J. Bartke et al.
Cracow

A comparative investigation of the low mass \( \pi^0 \omega \) and \( K^0 \omega \) systems at various energies
G. Otter et al.
Aachen-Berlin-Bonn-CERN-Heidelberg-IC/London-Vienna
Nuclear Phys. B87, 189 (1975)

200 cm Deuterium Bubble Chamber - Experiment: T 179

A spin-parity analysis of the \( 5\pi \) system produced in the reaction \( \pi^+d \rightarrow \pi^-p\pi^+d \) at 4 GeV/c
M.J. Emms et al.
Birmingham-Durham-RL
Nuclear Phys. B93, 1 (1975)

A\( \bar{p} \) production by charge exchange in \( \pi^+n \) interactions at 4 GeV/c
M.J. Emms et al.
Birmingham-Durham-RL

Branching ratios of the \( f^0 \) meson
M.J. Emms et al.
Birmingham-Durham-RL

A partial wave analysis of the \( (3\pi)^0 \) system from the charge exchange reaction \( \pi^+n \rightarrow \pi^+\pi^0p \) at 4 GeV/c
M.J. Emms et al.
Birmingham-Durham-RL

The production of the \( \omega^0 \) meson in the reaction \( \pi^+d \rightarrow p\omega \bar{p}d \) at 4 GeV/c
M.J. Emms et al.
Birmingham-Durham-RL

\[ n^+ \text{ at } 5 \text{ GeV/c} \]

150 cm Hydrogen Bubble Chamber - Experiment: T 59

A comparative investigation of the low mass \( \pi^0 \omega \) and \( K^0 \omega \) systems at various energies
G. Otter et al.
Aachen-Berlin-Bonn-CERN-Heidelberg-IC/London-Vienna
Nuclear Phys. B87, 189 (1975)
π⁺ at 5 GeV/c (cont'd)

81 cm Deuteron Bubble Chamber - Experiment: T 71

A⁺ production in π⁺d interactions at 5.1 GeV/c
N. Armenise et al.
Bari-Bologna-Firenze

f⁰ resonance production in π⁺d interactions at 5.1 and 9 GeV/c
M.T. Fogli-Muciaccia et al.
Bari
Nuovo Cimento 6A, 670 (1972)

Study of some three-body reactions in π⁺d interactions at 5.1 and 9.0 GeV/c
O. Murro et al.
Bari

A differential cross-section and polarization in the reaction π⁺n → K⁺A at 5.1 GeV/c
D. Mettel et al.
Bari-LPNHE/Paris
Nuovo Cimento Letters 6, 437 (1973)

The πB → Bπ reaction in π⁺ interaction at 5.1 GeV/c
O. Murro et al.
Bari

Production mechanism in the four-body reaction π⁺n → pπ⁺π⁻ at 5.1 and 9 GeV/c
V. Picciarelli
Bari
Nuclear Phys. 101, 304 (1976)

π⁺ at 8 GeV/c

81 cm Hydrogen Bubble Chamber - Experiment: T 127

Six-prong interactions at 8 GeV/c π⁺ in hydrogen
M. Bardadin-Otwinowska et al.
Warsaw

Cross-sections of strange particle production in π⁺p interactions at 8 GeV/c
E. Balea et al.
Bucharest

Pion production in pion-proton collisions at 4–11 GeV/c multiplicity distribution and a possible qualitative interpretation of the baryon angular distribution
J. Bartke et al.
Cracow
Nucler Phys. ES, 532 (1968)

ΛK production in four-prong π⁺p interactions at 8 GeV/c
E. Balea et al.
Bucharest

Angular correlations between pions in ten-prong π⁺p interactions at 8 GeV/c primary π⁺ momentum
A. Eskreys
Cracow

K⁰K⁰ production in four-prong π⁺p interactions at 8 GeV/c
E. Balea et al.
Bucharest

On the correlation between transverse and longitudinal momenta of secondaries in 8 GeV/c π⁺p interactions
E. Balea et al.
Bucharest

Corrélations angulaires des mesons π⁺ dans les réactions π⁺p → ΛK⁰ et π⁺p → KN⁰ avec m ≥ 3 aux énergies de 7.5 et 8 GeV/c
H. Hulubei et al.
Bucharest
\( \pi^+ \) at 8 GeV/c (cont'd)

81 cm Hydrogen Bubble Chamber - Experiment: T 127 (cont'd)

Six-prong interactions of \( \pi^+ \) mesons with protons at 8 GeV/c
M. Bardadin-Otwinowska et al.
Warsaw

\( \pi^+p \) interactions at 8 GeV/c with lowest energy per particle (ten-prong events)
L. Aniol et al.
Cracow
Nuclear Phys. B90, 288 (1975)

Rapidity dispersion analysis of individual events in \( \pi^+p \) interactions at 8 to 23 GeV/c
H. Grässler et al.
Aachen-Berlin-Bonn-CERN-Heidelberg
Nuclear Phys. B95, 1 (1975)

Differential cross-sections for the charge exchange process \( \pi^+p \rightarrow \pi^0(\pi^+p) \) at 8, 16, and 23 GeV/c
M. Deutschmann et al.
Aachen-Berlin-Bonn-CERN-Cracow-Heidelberg
Nuclear Phys. B95, 31 (1975)

\( \pi^+ \) at 9 GeV/c

200 cm Deuterium Bubble Chamber - Experiment: T 104

Study of some three-body reactions in \( \pi^+d \) interactions at 5.1 and 9.0 GeV/c
O. Murro et al.
Bari

\( f^0 \) resonance production in \( \pi^+d \) interactions at 5.1 and 9 GeV/c
M.T. Fogli-Muciaccia et al.
Bari
Nuovo Cimento 8A, 670 (1972)

A comparative investigation of low mass \( \pi^+\omega \) and \( K^+\omega \) systems at various energies
G. Otter et al.
Aachen-Berlin-Bonn-CERN-Heidelberg-IC/London-Vienna
Nuclear Phys. B97, 188 (1975)

Forward-backward multiplicities in \( \pi^+p \) interactions between 8 and 23 GeV/c
H. Grässler et al.
Aachen-Berlin-Bonn-Cracyow-Heidelberg-Warsaw

A comparison of \( \pi\pi\pi, \bar{K}\pi\pi, \pi\bar{K}\bar{K}, \bar{K}\bar{K} \) systems produced in the reactions meson \( + p \rightarrow + 3 \) mesons \( + p \)
P. Bosetti et al.
Aachen-Berlin-Bonn-CERN-Heidelberg-IC/London-Vienna
\( \pi^+ \) at 11.77 GeV/c

TO BE OMITTED FROM CERN 78-02

150 cm Hydrogen Bubble Chamber

\( \pi^+ \) distributions in hadronic interactions with and without baryon exchange around 5 GeV c.m.s. energy
R. Lestienne et al.
EP/Paris-LPNHE/Paris
_Nuclear Phys._ B67, 348 (1973)

\( \pi^+ \) at 12 GeV/c

200 cm Deuterium Bubble Chamber - Experiment: T 97

\( \pi^+ \) distributions in hadronic interactions with and without baryon exchange around 5 GeV c.m.s. energy
R. Lestienne et al.
EP/Paris-LPNHE/Paris
_Nuclear Phys._ B67, 348 (1973)

The analysis of rapidity gaps of produced particles in \( \pi^+d \) at 5.1 and 11.7 GeV/c
M. Barrier et al.
Bari-Durham-Paris-Pavia
_Nuovo Cimento_ B7A, 166 (1975)

\( \pi^+ \) at 16 GeV/c

200 cm Hydrogen Bubble Chamber - Experiments: T 106, T 201

Rapidity dispersion analysis of individual events in \( \pi^+p \) interactions at 8 to 23 GeV/c
H. Grässlser et al.
Aachen-Berlin-Bonn-CERN-Heidelberg
_Nuclear Phys._ B86, 1 (1975)

Differential cross-sections for the charge exchange process \( \pi^+p \rightarrow \pi^0(p^+p) \) at 8, 16, and 23 GeV/c
M. Deutschmann et al.
Aachen-Berlin-Bonn-CERN-Cracow-Heidelberg
_Nuclear Phys._ B86, 81 (1975)

Prism plot analysis of the reaction \( \pi^+p \rightarrow p\pi^+\pi^0 \) at 16 GeV/c
M. Deutschmann et al.
Aachen-Berlin-Bonn-CERN-Cracow-Heidelberg
_Nuclear Phys._ B86, 221 (1975)

A comparative investigation of low mass \( \pi\omega \) and \( K\omega \) systems at various energies
G. Otter et al.
Aachen-Berlin-Bonn-CERN-Heidelberg-IC/ London-Vienna
_Nuclear Phys._ B87, 189 (1975)

Forward-backward multiplicities in \( \pi^+p \) interactions between 8 and 23 GeV/c
H. Grässlser et al.
Aachen-Berlin-Bonn-CERN-Cracow- Heidelberg-Warsaw
_Nuclear Phys._ B88, 461 (1975)

Inclusive strange particle production in \( \pi^+p \) interactions at 16 GeV/c
P. Bosetti et al.
Aachen-Berlin-Bonn-CERN-Cracow
_Nuclear Phys._ B88, 81 (1975)
Study of s- and t-channel helicity conservation in the diffractive part of the reaction $\pi^+ p + \pi^{-} (N\bar{N})$ at 16 GeV/c

H. Grässler et al.
Aachen-Berlin-Bonn-Heidelberg
Nuclear Phys. B86, 1 (1975)

Prism plot analysis of the reaction $\pi^+ p \rightarrow p \pi^+ \pi^+ \pi^-$ at 16 GeV/c

M. Deutschmann et al.
Aachen-Berlin-Bonn-CERN-Cracow-Heidelberg
Nuclear Phys. B86, 257 (1975)

Investigation of the low mass ($\pi K\bar{K}$) system in the reactions $\pi^+ p \rightarrow (\pi^0 K^+ K^-) p$ at 16 GeV/c

G. Otter et al.
Aachen-Berlin-Bonn-CERN-Heidelberg
Nuclear Phys. B86, 365 (1975)

A comparison of $\pi \pi$, $\bar{K}\pi$, $\pi K\bar{K}$, $\bar{K}K$ systems produced in the reactions meson + p $\rightarrow$ + 3 mesons + p

P. Bosetti et al.
Aachen-Berlin-Bonn-CERN-Heidelberg-IC/London-Vienna
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<th>Beam momentum (GeV/c)</th>
<th>Bubble chambers</th>
<th>No. of pictures (kpix)</th>
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$\pi^-$ at 4 GeV/c

200 cm Hydrogen Bubble Chamber - Experiments: T 172, T 187, T 200

$A_0$ production in $\pi^- p$ interactions at 3.9 GeV/c

M.J. Losty et al.
CERN-Saclay
Phys. Letters 58B, 96 (1975)

$\pi^-$ at 5 GeV/c

200 cm Deuterium Bubble Chamber - Experiment: T 103

The $\pi^ B \rightarrow B\pi$ reaction in $\pi^- d$ interaction at 5.1 GeV/c

O. Murro et al.
Bari

$\pi^-$ at 9 GeV/c

200 cm Hydrogen Bubble Chamber - Experiment: T 143

Spin parity analysis of the $\rho(1710)$ resonance produced in 9.1 GeV/c $\pi^- p$ interactions

N. Armenise et al.
Bari-Bologna-Firenze
Nuovo Cimento Letters 14, 177 (1976)

200 cm Deuterium Bubble Chamber - Experiment: T 152

Study of neutron diffraction dissociation in the reaction $\pi^- n \rightarrow \pi^- n p$ at 9 GeV/c

M. Riveal et al.
Bari-LPME/Paris
Nuclear Phys. 887, 61 (1975)

$\pi^-$ at 10 GeV/c

81 cm Hydrogen Bubble Chamber - Experiment: T 25

The emission of neutrons in $\pi^- p$ interactions at 10 GeV/c

M. Bardadin et al.
Cracow-Warsaw
Nukleonika 8, 177 (1964) (English trans.)

$\pi^0$ production in $\pi^- p$ interactions at 10 GeV/c

T. Siemiarczuk
Warsaw
Nuclear Phys. 87, 470 (1964)
$\pi^-$ at 10 GeV/c (cont'd)

81 cm Hydrogen Bubble Chamber - Experiment: T 25 (cont'd)

General characteristics of the $\pi^-$ proton inelastic collisions at 10 GeV/c
J. Bartke
Cracow

On the correlations between longitudinal and transverse momenta of secondaries in high-energy interactions
M. Bardadin-Otwinowska et al.
Warsaw

Pion production in pion-proton collisions at 4-11 GeV/c multiplicity distribution and a possible qualitative interpretation of the baryon angular distribution
J. Bartke et al.
Cracow

Four-prong interactions in the 81 cm hydrogen bubble chamber at 10 GeV/c
E.O. Abdakhanov et al.
Alma-Ata

The role of high-energy "pick-out" particles in pion-nucleon interactions
A.Sh. Gaitinov et al.
Alma-Ata

The nature of high-energy "pick-out" particles in inelastic interactions
A.Sh. Gaitinov et al.
Alma-Ata

Inelasticity coefficients of pion-nucleon interactions
A.Sh. Gaitinov et al.
Alma-Ata

ERRATUM TO CERN 76-92

Negative pion-proton elastic scattering at 10 GeV/c
S. Brandt et al.
CERN-EP/Paris

$\pi^-$ at 11 GeV/c

150 cm/200 cm Hydrogen Bubble Chambers - Experiments: T 46, T 180, T 181

Partial wave analyses of the (3$\pi$)$^-$ system in the reaction $\pi^-p \rightarrow \pi^-\pi^-p$ at 11.2 GeV/c
G. Thompson et al.
Bologna-Genova-Firenze-Milano-Oxford-Pavia

Estimation of events separation efficiency in reaction channels of $\pi^-p$ interactions at momentum 11 GeV/c
A.Kh. Vinitsky et al.
Alma-Ata
\( \pi^- \) at 11 GeV/c (cont'd)

Identification of particles by ionization measurements in the 2 m hydrogen bubble chamber
E.O. Abdakhmanov et al.
Alma-Ata

Six-prong \( \pi^- p \) interactions at 11 GeV/c
E.O. Abdakhmanov et al.
Alma-Ata

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Single and double dissociation in \( \pi^- p \) collisions at 11 and 16 GeV/c
W. Kittel et al.

\( \pi^- \) at 16 GeV/c

Study of \( s^- \) and \( t^- \) channel helicity conservation in the diffractive part of the reaction \( \pi^- p \rightarrow \tau(Nn) \) at 16 GeV/c
H. Grässler et al.
Aachen-Berlin-Bonn-CERN-Heidelberg

Investigation of the low mass (\( \pi K \bar{K} \)) system in the reactions \( \pi^- p \rightarrow (\pi^+ K^- K^-) p \) at 16 GeV/c
G. Ötter et al.
Aachen-Berlin-Bonn-CERN-Heidelberg

Correlations of particle momentum characteristics in inelastic \( \pi^- p \) interactions
A.Sh. Gaitinov et al.
Alma-Ata

An impact parameter analysis of multiparticle production in medium-energy meson-proton interactions
P. Bosetti et al.
Aachen-Berlin-CERN-Cracow-Heidelberg-IC/London-Vienna-Warsaw
Nuclear Phys. B97, 29 (1975)

A comparison of \( \pi \pi, K \bar{K}, \tau \bar{K} \) systems produced in the reaction meson \( * p \rightarrow 3 \) mesons \( * p \)
P. Bosetti et al.
Aachen-Berlin-Bonn-CERN-Heidelberg-IC/London-Vienna
\[ \pi^- \text{ at } 20 \text{ GeV/c} \]

81 cm Hydrogen Bubble Chamber - Experiment: T 79

Cross-sections of \( \pi^- p \) interactions at 20 GeV/c
E. Balea et al.
Bucharest

Study of kaon production by 20 GeV/c \( \pi^- \) mesons on protons
E. Balea et al.
Bucharest

Cross-sections of strange particle production in \( \pi^- p \) interactions at 20 GeV/c
E. Balea et al.
Bucharest

Inclusive reactions in \( \pi^- p \) interactions at 21 GeV/c
E. Balea et al.
Bucharest

Antilambda production in \( \pi^- p \) interactions at 20 GeV/c
E. Balea et al.
Bucharest

A scaling test in \( \pi^- p \) semi-inclusive reactions
E. Balea et al.
Bucharest

On the behaviour of the average transverse momentum of secondaries in \( \pi^- p \) high-energy interactions
E. Balea et al.
Bucharest

On the multiplicity distribution in 20 GeV/c \( \pi^- p \) interactions
E. Balea et al.
Bucharest

\( \Lambda \) production in \( \pi^- p \) interactions at 20 GeV/c
E. Balea et al.
Bucharest
*Nuclear Phys.* **B64**, 189 (1973)

\[ \pi^- \text{ at } 22 \text{ GeV/c} \]

81 cm Hydrogen Bubble Chamber - No T number

Search for fractionally charged particles produced by 27.5 GeV/c protons
W. Blum et al.
CERN
### LIST OF NEUTRINO AND ANTINEUTRINO EXPERIMENTS ALREADY PUBLISHED

<table>
<thead>
<tr>
<th>Expt. T No.</th>
<th>Beam particle</th>
<th>Beam momentum (GeV/c)</th>
<th>Bubble chambers</th>
<th>No. of pictures (kpix)</th>
<th>Links with other expt. T No.</th>
<th>Collaboration</th>
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<tr>
<td>T 95</td>
<td>$\bar{\nu}$</td>
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<td>HLC120</td>
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$\bar{\nu}, \nu$

120 cm Heavy Liquid Bubble Chamber - Experiments: T 95, T 96

Search for neutrino-produced magnetic monopoles in a bubble chamber exposure

R.A. Carrigan, Jr. et al.
FNAL
Nuclear Phys. B92, 279 (1975)

GARGAMELLE Heavy Liquid Bubble Chamber - Experiments: T 185, T 207, T 228, T 245

Experimental study of structure functions and sum rules in charge-changing interactions of neutrinos and antineutrinos on nucleons

H. Deden et al.
Aachen-Brussels-CERN-UC/London-Milano-Orsay-EP/Palaiseau
Nuclear Phys. B85, 269 (1975)

Neutral pion production by weak neutral currents in neutrino and antineutrino reactions

F.J. Hasert et al.
Aachen-Brussels-CERN-UC/London-Milano-Orsay-EP/Palaiseau

Strange particle production and charmed particle search in the Gargamelle neutrino experiment

H. Deden et al.
Aachen-Brussels-CERN-UC/London-Milano-Orsay-EP/Palaiseau
### LIST OF SPECIAL BEAM EXPERIMENTS ALREADY PUBLISHED

<table>
<thead>
<tr>
<th>Expt. T No.</th>
<th>Beam particle</th>
<th>Beam momentum (GeV/c)</th>
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<th>No. of pictures (kpix)</th>
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<th>Collaboration</th>
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<td>X 4</td>
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<td>HLYBUC</td>
<td>2315</td>
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<td>Copenhagen-MPI/Munich-Vanderbilt</td>
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K⁻ at 0.5 GeV/c

Hyperon Bubble Chamber (HYBUC) - Experiment: T 205

A method for on-line optical tagging of bubble chamber tracks
R. Settles et al.
CERN-MPI/Munich-Vanderbilt

Hyperons at 24 GeV/c

200 cm Hydrogen Bubble Chamber - Experiment: T 196

Ap interactions below 24 GeV/c
R.P. Mount et al.
Cambridge
Phys. Letters 58B, 228 (1975)

Measurement of the inclusive forward neutron spectrum produced in proton-copper interactions at 24 GeV/c
R.E. Ansorge et al.
Cambridge
Nuclear Phys. B107, 429 (1975)

Search for charmed particle production in neutron-proton interactions
D.R. Ward et al.
Cambridge
Nuclear Phys. B101, 28 (1975)
On the measurement of ionization in hydrogen bubble chambers
C. Dilworth et al.
CERN-Milano
*Nuovo Cimento* 32, 1432 (1964)

**ERRATA TO CERN 78-02**

Interactions of 16 GeV/c π⁻ mesons in hydrogen leading to the production of strange particles
J. Bartke
Cracow

Some aspects of the multiple production of pions by 16 GeV/c π⁻ on protons
J. Bartke et al.
CERN
*Acta Phys. Polon.* 27, 969 (1964)