Preliminary List of Publications
covering Bubble Chamber Experiments carried out
at CERN during the Period 1960 to 1974
with the following Chambers:

- 30 cm CERN Chamber
- 81 cm Saclay Chamber
- 100 cm Saclay Heavy Liquid Chamber
- 120 cm CERN Heavy Liquid Chamber
- 150 cm British National Bubble Chamber
- 200 cm CERN Chamber
- GARGAMELLE
The observation of two \( \rho \pi \) resonances
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On the production of the \( \Delta \Delta \) isobar in 4 GeV/c \( \pi^+ \) interactions
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The isospin and neutral decay of the \( f \)-meson
M. Aderholz
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Elastic \( \pi^+ p \) scattering at 4 GeV/c
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π⁺, 4 GeV/c (cont'd)  
Experiments T 8, T 179

π⁺p interactions at 4 GeV/c: six-prong events  
L. Bondar  
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J.A. Charlesworth  
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M.J. Emms  
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Experiment T 59,

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\[ \pi^+, 6 \text{ GeV/c} \] Experiments T 45, T 60

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K. Boesebeck
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Limiting properties in inclusive $\pi^+ p$ reactions at 8 and 16 GeV/c with exotic and non-exotic particle combinations
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K. Boesebeck
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π⁺, 8 GeV/c (cont’d) Experiment T 127

Violation of both s and t-channel helicity conservation from an LPS analysis of diffraction dissociation in πp → ππp
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π^+, 8 GeV/c (cont'd)  Experiment T 127

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J. Beaupré
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M. Deutschmann
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N. Armenise
Bari-Bologna-Florence

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D. Kemp
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Is there structure in the $f^0$ mass region?
D. Kemp
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\[ \pi^+, 11 \text{ GeV/c} \]

Experiments T 87, T 150

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R.O. Maddock
Durham-Genova-Hamburg-Milano-Saclay
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Part II: Interpretation in terms of Regge pole exchanges
R.O. Maddock
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G. Tomasini
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D. Evans
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K. Boesebeck
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W. Kittel
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$(\pi^+\pi^-)$ mass enhancements in the interactions of 8 GeV/c $\pi^+$, 16 GeV/c $\pi^-$, 16 GeV/c $\pi^-$ and 10 GeV/c $K^-$ in hydrogen
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K. Boesebeck
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Limiting properties in inclusive $\pi^+p$ reactions at 8 and 16 GeV/c with exotic and non-exotic particle combinations
J.V. Beaupré
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H. Graessler
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\[ \bar{p}, \, 700 \text{ MeV/c} \]

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Experiments T 30, T 80

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\( K^+p \) elastic scattering at 3.5 and 5.0 GeV/c
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K\(^+\), 3 - 3.5 GeV/c (cont'd)

Experiment T 12

Two-body channels in the interactions of 3, 3.5 and 5 GeV/c positive kaons on hydrogen: possibility of Regge pole exchange
Y. Goldschmidt-Clermont
CERN-Brussels
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Production of a \(N^*_2(1575)\) baryon resonance in \(K^+p\) reactions
G. Bassompierre
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K^+, 3 - 3.5 GeV/c (cont'd)  

**Experiment T 12**

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G. Bassompierre  
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**Study of K^{*0}(892) Δ^{++}(1236) production from K^+p interactions at 3 GeV/c**  
K. Buechner  
Brussels-CERN-Munich  
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**Application of a unitarized Veneziano model to the reaction K^+n → K^+π^-p at 3 GeV/c**  
K. Buechner  
Brussels-CERN-Munich  
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**Test of helicity conservation in the reaction K^+p → Q^+p**  
F. Grard  
CERN-Brussels  
Nuovo Cimento Letters, 2(1971)305

**A new analysis of K^+n scattering as observed in K^+p → K^+π^-0Δ^{++} from 3 to 13 GeV/c**  
H.H. Bingham  
CERN-Brussels-UCLA  
Nuclear Physics, B41(1972)1

**The reactions K^+d → K^+d, K^+d → K^+pn and K^+d → K^0pp at 3 GeV/c with an investigation of K^+n scattering**  
K. Buechner  
Brussels-CERN-Munich  
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**A comparison of the production of K^*(890) in K^+p and K^-p interactions**  
J.N. Carney  
Birmingham-Brussels-Saclay-IPN/Paris-CERN  
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**An analysis of the reaction K^+p → Q^+p from 2.5 to 12.7 GeV/c**  
H.H. Bingham  
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The $K^+\pi^-$ elastic scattering cross-section as observed in $K^+p \rightarrow K^+\pi^-\Delta^+$ from 3 to 13 GeV/c
D. Linglin  
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Backward production of $K^*(892)$ in the reactions $K^+N \rightarrow K\pi N$ in hydrogen and deuterium for the incident momentum range 3 - 5 GeV/c  
G. Charrière  
CERN-Munich-Mons-Brussels  
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K\(^+\), 4.6 GeV/c

Experiment T 52

Antiproton-proton elastic scattering at 4 GeV/c and derivation of
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Search for baryonic resonances with S = + 1 in K\(^+\)p production experiments
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Spin, branching ratios and production characteristics of the K\(^*(1420)\)
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Production of K\(^*(892)\) and K\(^*(1420)\) in the reaction K\(^+\)d \rightarrow K\pi N(N\(_s\)) at 4.6
GeV/c
K. Buechner
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The $K^+\pi^-$ elastic scattering cross-section as observed in $K^+p \rightarrow K^+\pi^-\Delta^+$ from 3 to 13 GeV/c

D. Linglin
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G. De Jongh
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The reaction $K^+d \rightarrow K^0pp$ at 4.6 GeV/c

G. Dehm
Munich-Brussels-Mons-CERN
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Study of the reaction $K^+p \rightarrow K^{*+}(890)\Delta^{++}$ from 4.6 - 16 GeV/c

G. Ciapetti
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Simultaneous production of $K^{*0}(892)$ and $\Delta^{++}(1236)$ in the reaction $K^+p \rightarrow K^+\pi^+\pi^-p$ from 4.3 to 5 GeV/c

G. Dehm
Brussels-CERN-Mons-Munich
Nuclear Physics, B71(1974)52

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G. Dehm
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Backward production of $K^{*}(892)$ in the reactions $K^+N \rightarrow K\pi N$ in hydrogen and deuterium for the incident momentum range 3 - 5 GeV/c

W. Dunwoodie
CERN-Munich-Mons-Brussels
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The reaction $K^+d \rightarrow K^0\pi^+d$ at 4.6 GeV/c and the effective exchanged trajectory for the reactions $K^+d \rightarrow K^{*+}(892)d$

W. Dunwoodie
CERN-Brussels-Mons-Munich
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Experiment T 55

K⁺, 5 GeV/c

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Production of a N°(1575) baryon resonance in K⁺p reactions
G. Bassompierre
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Evidence for three K⁺π resonant states below 1.4 GeV in K⁺p reactions at 5 GeV/c
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Double resonance production by \( 5 \text{ GeV/c} \) \( K^+ \) mesons on protons
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K⁺, 5 GeV/c (cont'd)  

Decay distributions in the reactions K⁺p → K⁺(1420)Δ⁺⁺ at 5 GeV/c and quark model predictions
A. Eskreys  
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F. Grard  
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The behaviour in terms of angular variables of the inclusive reactions K⁺p → K⁺X⁺⁺ and K⁺p → K⁺πX⁺ at 5 and 8.2 GeV/c  
P.V. Chliapnikov  
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An analysis of the reaction K⁺p → Q⁺p from 2.5 to 12.7 GeV/c  
H. Bingham  
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Scaling in the semi-inclusive reactions K⁺p → K₀π (charged) + anything at 5, 8.2 and 16 GeV/c  
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Nuclear Physics, B51(1973)317
The $K^+\pi^-$ elastic scattering cross-section as observed in $K^+p \rightarrow K^+\pi^-\Delta^+$ from 3 to 13 GeV/c
D. Linglin
CERN
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Study of the reaction $K^+p \rightarrow K^{*0}(890)\Delta^+$ from 4.6 to 16 GeV/c
G. Ciapetti
CERN-Birmingham-Brussels-Mons-Saclay-Paris
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The missing mass squared dependence of the average charged particle multiplicity in the reaction $K^+p \rightarrow K^{*0}(890)\Delta\Delta^+$ from 5 to 16 GeV/c
P.V. Chliapnikov
IHEP/Serpukhov-CERN-Birmingham-Mons-Brussels-Saclay-IPN/Paris

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G. Dehm
Munich-Brussels-CERN-Mons
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K\(^+\), 8 GeV/c

Experiments T 99, T 188

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A new analysis of K\(\pi\) scattering as observed in K\(^+\)p \to K^+\(\pi^0\)\(\Delta^+\) from 3 – 13 GeV/c
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Test of helicity conservation in the reaction K\(^+\)p \to Q^+p
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A study of the inclusive reactions K\(^+\)p \to K^{*}(890) + \(X^+\) and K\(^+\)p \to K^{*}(1420) + \(X^+\)
at 8.2 GeV/c
P.V. Chliapnikov
CERN-Brussels
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K⁺, 8 GeV/c (cont'd)  Experiments T 99, T 188

Relation between the GGLP effect and mass distribution for particle pairs
A. Eskreys
Brussels-CERN-Cracow
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K⁺p → K⁺X⁻ and K⁺p → K⁺π⁻X⁻ at 5.0 and 8.2 GeV/c
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An analysis of the reaction K⁺p → Q⁺p from 2.5 to 12.7 GeV/c
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Scaling in the semi-inclusive reactions K⁺p → K⁺n (charged) + anything
at 5, 8.2 and 16 GeV/c
P.V. Chliapnikov
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The K⁺π⁻ elastic scattering cross-section as observed in K⁺p → K⁺π⁻Δ⁺⁺
from 3 to 13 GeV/c
D. Linglin
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Simultaneous resonance production in quasi-three-body reactions in $K^+p$ interactions at 8.25 GeV/c
A. Eskreys
Cracow-Brussels-CERN-Mons
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Study of the reaction $K^+p \rightarrow K^{*0}(890)\Delta^{++}$ from 4.6 to 16 GeV/c
G. Ciapetti
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Study of reactions involving a vector meson produced in association with the $\Delta(1236)$ or nucleon
G. Ciapetti
CERN-Birmingham
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The missing mass squared dependence of the average charged particle multiplicity in the reaction $K^+p \rightarrow K^0X^{++}$ from 5-16 GeV/c
P.V. Chliapnikov
IHEP/Serpukhov-CERN-Birmingham-Mons-Brussels-Saclay-IFN/Paris
Experiments T 41, T 141

Observation of a four-pion resonance at 1630 MeV in K⁺p interactions at 10 GeV/c
K.W.J. Barnham
Birmingham-Glasgow
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K⁺, 10 GeV/c

A study of Kπ states produced in 10 GeV/c K⁺p interactions
K.W.J. Barnham
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Study of the L-meson in 10 GeV/c K⁺p interactions
D.C. Colley
Birmingham-Glasgow
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A study of the K⁰π⁺p final state produced in K⁺p interactions at 10 GeV/c
K.W.J. Barnham
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Antilambda production in 10 GeV/c K⁺ proton interactions
K.W.J. Barnham
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A new analysis of Kπ scattering as observed in K⁺p → K⁺π⁻Δ⁺ from 3 to 13 GeV/c
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CERN-Brussels-UCLA
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Multiple strange particle production by 10 GeV/c K⁺ mesons in hydrogen
M.F. Votruba
Birmingham-Edinburgh
Nuclear Physics, B45(1972)77

An LPS analysis of the reactions K⁺p → K⁺π⁺π⁻p and K⁺p → K⁰π⁺π⁰p
E. De Wolf
CERN-Brussels
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K\(^+\), 10 GeV/c (cont'd) Experiments T 41, T 141

An analysis of the reaction \(K^+p \rightarrow Q^+p\) from 2.5 to 12.7 GeV/c
H. Bingham
CERN-Brussels-UCLA
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Properties of the \(\phi\) and \(f'\) produced in the channel \(K^+p \rightarrow K^+pKK\) at 10 GeV/c
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D. Linglin
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Study of the reaction \(K^+p \rightarrow K^{*0}(890)\Delta^{++}\) from 4.6 to 16 GeV/c
G. Ciapetti
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Study of reactions involving a vector meson produced in association with the \(\Delta(1236)\) or nucleon
G. Ciapetti
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A study of the Regge recurrence of the \(\Delta(1236)\) produced in 10 GeV/c \(K^+p\) interactions
D.C. Colley
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K$^+$, 16 GeV/c

Search for baryonic resonances with $S = +1$ in $K^+p$ production experiments
G. Bassompierre
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J.V. Beaupré
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Nuclear Physics, B30(1971)381

An LPS analysis of the reaction $K^+p \rightarrow K^+\pi^+\pi^-p$ and $K^+p \rightarrow K^0\pi^+\pi^-p$
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Scaling in the semi-inclusive reactions $K^+p \rightarrow K^0n$ (charged) + anything at 5, 8.2 and 16 GeV/c
P.V. Chliapnikov
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CERN-Birmingham
Nuclear Physics, B66(1973)350

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G. Ciapetti
CERN-Birmingham-Brussels-Mons-Saclay-LPNHE/Paris
Nuclear Physics, B64(1973)58
K^+, 16 GeV/c (cont'd)  

A comparison of the production of K*(890) in K^+p and K^-p interactions
J.N. Carney
Birmingham-Brussels-Saclay-IPN/Paris-CERN
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The missing mass squared dependence of the average charged particle multiplicity in the reaction K^+p → K^0\pi^+ from 5 to 16 GeV/c
P.V. Chliapnikov
IHEP/Serpukhov-CERN-Birmingham-Mons-Brussels-Saclay-IPN/Paris
K⁻, stop

Experiments T 5, T 33, T 165

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P.J. Litchfield
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Collège de France-BHEL-Saclay-Strasbourg
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K\(^-\), 10 GeV/c (cont'd)  Experiments T 64, T 164

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Experiments T 177, T 220

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d, 3 GeV/c

Experiments T 42, T 58

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