

106. W. Brückner, H. Döbbeling, F. Güttner, D. v. Harrach, H. Kneis, S. Majewski, M. Nomachi, S. Paul, B. Povh, R.D. Ransome, T.A. Shibata, M. Treichel, Th. Walcher
 Measurement of pp cross-sections at low p momenta
 In: Proc. of the 7th Eur. Symposium on Antiproton Interactions, Durham, 1984, ed. M.R. Pennington, Inst. Phys. Ser. No. 73, Adam Hilger Ltd. Bristol and Boston 1985, p. 157
107. W. Brückner, H. Döbbeling, F. Güttner, D. v. Harrach, H. Kneis, S. Majewski, M. Nomachi, S. Paul, B. Povh, R.D. Ransome, T.A. Shibata, M. Treichel, Th. Walcher
 $\bar{p}p$ cross sections at small momenta
 In: Proc. of the 3rd LEAR Workshop on Physics with Antiprotons at LEAR in the ACOL Era, Tignes 1985, Editions Frontières 1985, p. 231
108. W. Brückner, H. Döbbeling, D. v. Harrach, H. Kneis, S. Majewski, M. Nomachi, S. Paul, B. Povh, R.D. Ransome, T.A. Shibata, M. Treichel, Th. Walcher
 Measurement of cross sections at low $p\bar{p}$ momenta
 In: Proc. Int. Symposium on Nucl. Spectroscopy and Nucl., Interactions, Osaka 1984, eds. H. Ejiri, T. Fukuda, World Scientific 1985, p. 689
109. B. Povh
 Internal nucleon structure and nuclear phenomena at low Q^2
 Nucl. Phys. A434 (1985) 711c
110. B. Povh
 Constituents of the atomic nucleus
 In: Int. Review of Nucl. Phys., vol. 1, Quarks and Nuclei. Ed. W. Weise, World Scientific Singapore 1984, pp. 2-55
111. W. Brückner, H. Döbbeling, K. Dworschak, H. Kneis, M. Nomachi, S. Paul, B. Povh, R.D. Ransome, T.A. Shibata, E. Steffens, M. Treichel, Th. Walcher
 Proposal for measurement of spin dependence of $p\bar{p}$ interactions at low momenta
 MPI H-1985-V7
112. H. Döbbeling, K. Dworschak, H. Jänsch, E. Jaeschke, D. Krämer, M. Nomachi, S. Paul, B. Povh, R. Repnow, T.-A. Shibata, E. Steffens, L.S.

Pinsky, B.W. Mayes, G.S. Mutchler, J. Kruk, H. Poth, A. Wolf, W. Haeberli, T. Wise, D. Fick, W. Korsch, Th. Walcher, G. Graw, P. Schiemenz, R. Ransome

Measurement of spin-dependence of $p\bar{p}$ interactions at low momenta
MPI H-1985-V22

113. W. Brückner, H. Döbbeling, F. Güttner, D. v. Harrach, H. Kneis, S. Majewski, M. Nomachi, S. Paul, B. Povh, R.D. Ransome, T.A. Shibata, M. Treichel, Th. Walcher
Antiproton-proton elastic cross sections in the momentum range between 180 and 600 MeV/c
Phys. Lett. 166B (1986) 113
114. W. Brückner, H. Döbbeling, F. Güttner, D. v. Harrach, H. Kneis, S. Majewski, M. Nomachi, S. Paul, B. Povh, R.D. Ransome, T.A. Shibata, M. Treichel, Th. Walcher
Measurement of the $\bar{p}p - \bar{n}n$ cross section at low \bar{p} momenta
Phys. Lett. 169B (1986) 302
115. A. Likar, M. Rosina, B. Povh
The Λ particle as a probe of deeply bound single particle states in heavy nuclei
Z. Phys. A 324 (1986) 35
116. B. Povh
Hadron and nuclear structure
In: Proc. Worshop on Nucl. and Particle Physics at Intermediate Energies with Hadrons, Trieste 1985, eds. T. Bressani, G. Pauli, Società Italiana di Fisica, Bologna 1986, vol. 3, p. 43
117. B. Povh
Hypernuclear experiments, low-energy antiproton physics and quark structure of nuclei
In: New Vistas in Nuclear Dynamics (Proc. Int. Summer School, Dronten, 1985), eds. P.J. Brussard, J.H. Koch, Plenum Publ. Corporation, New York 1986, p. 213
118. B. Povh
Quark effects in nuclei

In: Proc. Topical European Meeting on “The Quark Structure of Matter”, Strasbourg/Karlsruhe, 1985, eds. M. Jacob, K. Winter, World Scientific Publ. Co., Singapore 1986, p. 221

119. B. Povh

Summary and outlook

In: Proc. Symp. on Hypernucl. And Kaon Physics, Brookhaven Nat. Laboratory, USA; 1985, ed. R.E. Chrien; North-Holland, Amsterdam, Nucl. Phys. A450 (1986) 573c

120. B. Povh, Th. Walcher

Can we measure an annihilation range of the nucleon-antinucleon system?

Comments Nucl. Part. Phys. 16 (1986) 85

121. W. Brückner, B. Cujec, H. Döbbeling, K. Dworschak, H. Kneis, M. Nomachi, B. Povh, S. Paul, R. Ransome, T.-A. Shibata, M. Treichel, Th. Walcher

Search for narrow resonances in antiproton-proton annihilation cross sections in the beam momentum range between 400 and 600 MeV/c
Phys. Lett. 197B (1987) 463

122. W. Brückner, H. Döbbeling, P.C. Gugelot, F. Güttner, H. Kneis, S. Majewski, M. Nomachi, S. Paul, B. Povh, R.D. Ransome, T.-A. Shibata, M. Treichel, Th. Walcher, P. Amaudruz, Th. Bauer, J. Domingo, R. Frey, Q. Ingram, H. Jantzen, G. Kyle, D. Renker, R.A. Schumacher
 π^+ absorption on ^{12}C in the Δ 1232 region
Nucl. Phys. A469 (1987) 617

123. B. Povh

Nuclear physics with strange particles
Prog. Part. Nucl. Phys. 18 (1987) 183

124. B. Povh, J. Hüfner

Geometric interpretation of hadron-proton total cross sections and a determination of hadronic radii
Phys. Rev. Lett. 58 (1987) 1612

125. Th. Walcher, B. Povh

Antiproton-Proton-Wechselwirkung bei niedrigen Energien
Naturwiss. 74 (1987) 468

126. European Muon Collaboration, u.a. B. Povh
A measurement of the spin asymmetry and determination of the structure
 g_1 in deep inelastic muon-proton scattering
Phys. Lett. B206 (1988) 364
127. European Muon Collaboration, u.a. B. Povh
Exclusive ρ^0 and ϕ production in deep inelastic muon scattering
Z. Phys. C39 (1988) 169
128. European Muon Collaboration, u.a. B. Povh
Measurement of the ratios of deep inelastic muon-nucleus cross sections
on various nuclei compared to deuterium
Phys. Lett. B202 (1988) 603
129. W. Brückner, H. Döbbeling, F. Güttner, H. Kneis, S. Majewski, M. Nomachi,
S. Paul, B. Povh, R.D. Ransome, T.-A. Shibata, M. Treichel, Th. Walcher
An apparatus for the measurement of antiproton-proton cross sections at
low momenta
Nucl. Instr. Meth. A269 (1988) 527
130. B. Povh
The hadronic trinity
Nucl. Phys. A478 (1988) 365c
131. B. Povh
Nuclear QCD – Experimental aspects
In: Proc. Third Lake Louise Winter Institute, ‘Quantum
Chromodynamics: Theory and Experiment’, Chateau Lake Louise, 1988,
eds. Campbell, Kamal, Khanna, Sundaresan, World Scientific,
Singapore, p. 179
132. H.V. Klapdor, B. Povh (eds.)
Neutrino physics
Springer, Heidelberg (1988) 333 S.
133. S.J. Freedman et al., u.a. B. Povh

Feasibility studies for an experiment to measure the spin dependent
nucleon structure functions at HERA
MPI H-1988-V24

134. J. Hüfner, B. Povh
The logarithmic rise with energy of hadron proton total cross sections
and slope parameters
Phys. Lett. B215 (1988) 772
135. W. Brückner, J. Heintze, W. Hofmann, P. Lennert, S. Polenz, B. Povh, B.
Schmidt, J. Spitzer
Measuring the chemical composition of cosmic rays at $\sim 10^{13}$ - 10^{15} eV by
utilizing the solar and geomagnetic fields
Astrophys. and Space Science 1 (1989) 21
136. D. Habs, W. Baumann, J. Berger, P. Blatt, A. Faulstich,, W. Ott, B.
Povh, R. Repnow, M. Steck, E. Steffens,
First experiments with the Heidelberg test storage ring TSR
Nucl. Instr. Meth. B43 (1989) 390
137. S. Paul, W. Brückner, B. Povh, H. Döbbeling
The experimental status of sigma hypernuclei
Nuovo Cimento 120A (1989) 379
138. B. Povh
Quarks, hadrons, nuclei
In: Proc. Internat. School of Physics “Enrico Fermi” ‘Trends in Nuclear
Physics’, Varenna 1987, eds. P. Kienle et al., North Holland,
Amsterdam, 1989, p. 59
139. European Muon Collaboration, u.a. B. Povh
An investigation of the spin structure of the proton in deep inelastic
scattering of polarised muons on polarised protons
Nucl. Phys. B328 (1989) 1
140. H. Tamura, R.S. Hayano, T. Ishikawa, M. Iwasaki, T. Motoki, H. Outa, H.
Sakurai, E. Takada, W. Brückner, S. Paul, B. Povh, A. Sakaguchi, R.
Schüssler, H. Döbbeling, K.H. Tanaka, T. Yamazaki

${}^4_{\Lambda}H$ formation from K^- absorption at rest on 4He , 7Li , 9Be , ${}^{12}C$, ${}^{16}O$ and ${}^{40}Ca$ targets

Nuovo Cimento 120A (1989) 575

141. H. Tamura, R.S. Hayano, T. Ishikawa, M. Iwasaki, T. Motoki, H. Outa, H. Sakurai, E. Takada, W. Brückner, S. Paul, B. Povh, A. Sakaguchi, R. Schüssler, H. Döbbeling, K.H. Tanaka, T. Yamazaki
Formation of ${}^4_{\Lambda}H$ hypernuclei from K^- absorption at rest on light nuclei
Phys. Rev. C40 (1989) R479
142. W. Brückner, B. Cujec, H. Döbbeling, K. Dworschak, F. Güttner, H. Kneis, S. Majewski, M. Nomachi, S. Paul, B. Povh, R.D. Ransome, T.-A. Shibata, M. Treichel, Th. Walcher
Measurements of the antiproton proton annihilation cross section in the beam momentum range between 180 and 600 MeV/c
Z. Phys. A335 (1990) 217
143. J. Hüfner, B. Povh, S. Gardner
Nuclear absorption of a J/ψ meson during its formation
Phys. Lett. B328 (1990) 103
144. B. Povh, J. Hüfner
Systematics of hadronic radii
Phys. Lett. B245 (1990) 653
145. I. Bird, W. Brückner, M. Düren, H. Gaul, E. Kabuß, B. Martin, D. Nowotny, B. Povh, K. Rith, C. Scholz, T. Shibata, E. Steffens, H. Vogt, K. Zapfe and HERMES Collaboration
A proposal to measure the spin-dependent structure functions of the neutron and proton at HERA
HERMES proposal, DESY, PRC-90/01 (1990)
146. New Muon Collaboration, u.a. B. Povh
Measurement of the neutron and proton F_2 structure function ratio
Phys. Lett. B249 (1990) 366
147. A. Wolf, V. Balykin, W. Baumann, J. Berger, G. Bisoffi, P. Blatt, M. Blum, A. Faulstich, A. Friedrich, M. Gerhard, ..., B. Povh, R. Repnow, S. Schröder, R. Schuch, D. Schwalm, ...

First atomic physics experiments with cooled stored ion beams at the Heidelberg heavy-ion ring TSR

In: Proc. XVth Intern. Conf. on the Physics of Electronic and Atomic Collisions, New York, 1989 (eds. A. Dalgarno et al.), AIP Conf. Proc. 205 (1990) 378

148. European Muon Collaboration, u.a. B. Povh

Comparison of forward hadrons produced in muon interactions on nuclear targets and deuterium

Z. Phys. C52 (1991) 1

149. W. Brückner, H. Döbbeling, F. Güttner, H. Kneis, S. Majewski, M. Nomachi, S. Paul, B. Povh, R.D. Ransome, T.-A. Shibata, M. Treichel, Th. Walcher

Measurement of antiproton-proton elastic cross section in the beam momentum range between 180 and 600 MeV/c

Z. Phys. A339 (1991) 367

150. W. Brückner, H. Döbbeling, F. Güttner, H. Kneis, S. Majewski, M. Nomachi, S. Paul, B. Povh, R.D. Ransome, T.-A. Shibata, M. Treichel, Th. Walcher

Ranges of $p\bar{p}$ scattering at low momenta

Z. Phys. A339 (1991) 379

151. New Muon Collaboration, u.a. B. Povh

Gottfried sum rule from the ratio F_2^n / F_2^p

Phys. Rev. Lett. 66 (1991) 2712

152. New Muon Collaboration, u.a. B. Povh

Inelastic J/ψ production in deep inelastic scattering from hydrogen and deuterium and the gluon distribution of free nucleons

Phys. Lett. B258 (1991) 493

153. New Muon Collaboration, u.a. B. Povh

Precision measurement of the structure function ratios F_2^{He} / F_2^D , F_2^C / F_2^D and F_2^{Ca} / F_2^D

Z. Phys. C51 (1991) 387

154. W. Brückner, E. Chudakov, R. Edelhoff, S. Gerassimov, T. Kallakowsky, R. Michaels, U. Müller, S. Paul, B. Povh, K. Röhrich, G. Rosner, H. Rudolph, H.W. Siebert, B. Volkemer, T. Walcher

The electromagnetic calorimeter in the hyperon beam experiment at
CERN
Nucl. Instr. Meth. A313 (1992) 345

155. W. Brückner, M. Godbersen, T. Kallakowsky, R. Michaels, S. Paul, B. Povh,
K. Röhrich
A scintillating fibre hodoscope with avalanche photodiode readout
Nucl. Instr. Meth. A313 (1992) 429
156. M. Düren, Z. Moroz, M. Veltri, K. Zapfe, H. Mairon, M. Metzger, B. Povh,
K. Rith, E. Steffens, F. Stock, D. Toporkov, F. Zetsche
Test of a polarized hydrogen gas target based on the storage cell
technique
Nucl. Instr. Meth. A322 (1992) 13
157. J. Hüfner, B. Povh
Diffractive elastic scattering and hadronic radii: geometric and Pomeron
approaches
Phys. Rev. D46 (1992) 990
158. New Muon Collaboration, u.a. B. Povh
The ratio F_2^n / F_2^p in deep inelastic muon scattering
Nucl. Phys. B371 (1992) 3
159. New Muon Collaboration, u.a. B. Povh
Transverse momentum distributions for exclusive ρ^0 muoproduction
Z. Phys. C54 (1992) 239
160. New Muon Collaboration, u.a. B. Povh
Ratio of J/ψ production cross sections in deep inelastic muon scattering
from tin and carbon
Nucl. Phys. B371 (1992) 553
161. New Muon Collaboration, u.a. B. Povh
Precision measurement of structure function ratios for ${}^6\text{Li}$, ${}^{12}\text{C}$ and ${}^{40}\text{Ca}$
Z. Phys. C53 (1992) 73
162. New Muon Collaboration, u.a. B. Povh
Measurement of $R^d - R^p$ and $R^{\text{Ca}} - R^C$ in deep inelastic muon scattering

Phys. Lett. B294 (1992) 120

163. New Muon Collaboration, u.a. B. Povh
Proton and deuteron F_2 structure functions in deep inelastic muon scattering
Phys. Lett. B295 (1992) 159
164. European Muon Collaboration, u.a. B. Povh
Muoproduction of J/ψ and the gluon distribution in the nucleon
Z. Phys. C56 (1992) 21
165. European Muon Collaboration, u.a. B. Povh
A measurement of the ratio of the nucleon structure function in copper and deuterium
Z. Phys. C57 (1993) 211