

E74 (p-bar PR) K.Nakamura
Baryonium in p-bar p Reaction below 1.0 GeV/c

Submitted	1979.12.26
Approved	1980.2.13
Beam line	K3
Shift requested	160
Shift executed	149.1
Executed cycles	82[11,12,13,14,15,16], 83[1.2.3]

Papers and activities

[Legend]

- Physics papers published in refereed journal
 - Technical papers
 - ★ PhD theses
 - ◇ Conference and Symposium
 - * Internal Report and others
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- T.Sumiyoshi et al.
Search for Structures in p-bar p Total Cross Section Below 1 GeV/c
Phys. Rev. Lett. 49 (1982) 628.
 - K.Nakamura et al.
Measurement of p-bar p \rightarrow n-bar n Differential Cross Sections at Low Momenta and Confirmation of the Forward Dip
Phys.Rev.Lett.53 (1984) 885.
 - K.Nakamura et al.
Absorption and Forward Scattering of Antiprotons by C, Al and Cu Nuclei in the Region 470-880 MeV/c
Phys.Rev.Lett. 52 (1984) 731.
 - T.Tanimori et al.
Observation of an Enhancement in p-bar p \rightarrow $\pi^+\pi^-$ and p-bar p \rightarrow K^+K^- Cross Sections at p-bar Momentum of \sim 500 MeV/c
Phys. Rev. Lett. 55(1985)1835.
 - K.Nakamura et al.
Reaction p-bar $+^{12}\text{C} \rightarrow$ n-bar+X at 590 MeV/c
Phys.Rev.C31 (1985) 1853.
 - H.Iwasaki et al.
Small-Angle p-bar p Elastic Scattering and the Real-to Imaginary Ratio of the Forward Amplitude Between 413 and 715 MeV/c
Nucl. Phys. A433 (1985) 580.
 - T.Kageyama et al.
Measurement of p-bar p Elastic Scattering at Beam Momenta Between 390 and 780 MeV/c
Phys. Rev. D35 (1987) 2655.
 - T.Tanimori et al.
Experimental Study of the Reactions p-bar p \rightarrow $\pi^+\pi^-$ and K^+K^- Between 360 and 760 MeV/c
Phys. Rev. D35 (1990) 744.
 - T.Fujii et al.
A Laser-Based TOF Monitoring System using a High-Speed Vacuum Photodiode
Nucl. Instr. Meth. 215 (1983) 357.
 - J.Chiba et al.

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- Physics papers published in refereed journal.
 - Technical papers.
 - ★ PhD theses.
 - ◇ Conference and Symposium.
 - * Internal Report and others.

- Study of Position Resolution for Cathode Readout MWPC with Measurement of Induced Charge Distribution
Nucl.Instr.Meth.206 (1983) 451.
- T.Sumiyoshi et al.
A Target System for p-bar p and p-bar d Total Cross-Section Measurement
Japan J.Appl. Phys. 22 (1983) 1606.
 - T.Tanimori et al.
A Test of 150 cm × 20 cm Wide Time-of-Flight Scintillation Counters
Nucl.Instr.Meth.216 (1983) 57.
 - T.Kageyama et al.
A Cylindrical Mlti-Layer Drift Chamber for a Low-Energy p-bar p Experiment
Japan J.Appl.Phys.24 (1985) 1522.
 - ★ T.Sumiyoshi
Search for Resonances in p-bar p and p-bar d Total Cross Sections Below 1 GeV/c
University of Tokyo, 1982
 - ★ T.Tanimori
Study of the Reactions p-bar p → π⁺ π⁻ and K⁺ K⁻ Cross Sections Between 390 and 780 MeV/c
University of Tokyo, 1985
 - ◇ T.Sumiyoshi et al.
Search for Structures in the p-bar p Total Cross Section below 1 GeV/c
Contributed paper to 1981 INS Symp. on Quark and Lepton Physics, Tokyo, 1981;
Contributed paper to IX Int. Conf. on High Energy Phys. and Nucl. Structure, Versailles, 1981
 - ◇ K.Nakamura
Study of Antiproton-Nucleus Interactions below 1 GeV/c
Proc.of 1983 INS Symp.on High Energy Photonuclear Reactions and Related Topics, Tokyo, 1983,p.279
 - ◇ K.Nakamura
Search for the S-Resonance at KEK
Proc. of 1981 INS Symp. on Quark and Lepton Physics, Tokyo, 1981,p.148
 - ◇ K.Nakaura and T.Tanimori
Antiproton Results from KEK
Proc. of VII European Symp. on Antiproton Interactions, Durham, 1984, p.329
 - ◇ K.Nakamura et al.
Antineutron Production from the p-bar - carbon Interaction at 590 MeV/c
Proc.of VII European Symp. on Antiproton Interactions, Durham, 1984, p.515
 - ◇ T.Takeda et al.
Measurement of the Real-to-Imaginary Ratios of the p-bar p and p-bar n Forward Amplitudes
Between 367 and 764 MeV/c
Proc.of VII European Symp. on Antiproton Interactions, Durham, 1984, p.523
 - ◇ K.Nakamura
Search for Exotic Mesons
Proc.of KEK International Workshop on Nuclear Physics in GeV Region, KEK, 1984, p.69

● Physics papers published in refereed journal.
○ Technical papers.
★ PhD theses.
◇ Conference and Symposium.
* Internal Report and others.