E33(YN) T.Kamae
Study of Narrow Resonance in $pp$ Reaction below 1 GeV/c

| Submitted | 1976.1.24 |
| Beam line  | K3        |
| Shift requested | 200       |
| Shift executed  | 84.7      |
| Executed cycles | 79[1~6,7,8,9,10,11] |

Papers and activities

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

● T.Kamae et al.
Evidence against the Narrow S(1936) in a Measurement of $pp$ Total Cross Section

● K.Nakamura et al.
Search for Narrow Structures in $pp$ Total Cross Section from 395 to 740 MeV/c

● H.Iwasaki et al.
Measurement of the Real-to-Imaginary Ratio of the $pp$ Forward Amplitude at Beam Momenta Between 400 and 730 MeV/c

● H.Iwasaki et al.
Small-Angle $pp$ Elastic Scattering and the Real-to-Imaginary Ratio of the Forward Amplitude Between 413 and 715 MeV/c

● H.Aihara et al.
Absorption Cross Sections for Antiprotons on Carbon, Aluminum and Copper at 485 and 597 MeV/c

○ H.Iwasaki et al.
Multi-wire Proportional Chamber with Bi-dimensional Readout for $pp$ Total Cross-Section Measurement

○ H.Aihara et al.
A Scintillation Counter Used in a Vacuum Chamber for a Liquid Hydrogen Target

★ H.Fukuma
Search for Narrow Resonances in the Total Cross Section for the Antiproton-Proton Scattering
Hiroshima University, 1980

★ H.Iwasaki
Measurement of the Real-to-Imaginary Ratio of the $pp$ Forward Amplitude Between 400 and 730 MeV/c
University of Tokyo, 1981

● Physics papers published in refereed journal.
○ Technical papers.
★ PhD theses.
◇ Conference and Symposium.
* Internal Report and others.
- Y.Takada  
  Measurement of \( pp \) Total Cross Section in S-Region  
  University of Tokyo, 1981
- T.Kamae  
  Evidence against the Narrow S(1936) in a Measurement of \( pp \) Total Cross Section  
  Proc. of ’79 INS Symposium on Particle Physics in GeV Region, Tokyo, 1979, p.503
- K.Nakamura  
  Search for the Narrow S-Resonance in a Measurement of \( pp \) Total Cross Section Using Wire Chamber  
- T.Kamae  
  Review of Recent Experiments on Antinucleon-Nucleon, Baryonium, Nucleon-Nucleon and Dibaryons  
- K.Nakamura  
  Search for the S-Resonance at KEK  
- K.Nakamura  
  Measurement of \( \sigma_{\text{tot}}(pp) \) in the Momentum Range Between 400 and 700 MeV/c  
  Proc. of the 1979 KEK Summer School, Tsukuba, 1979 (KEK-79-33) p.242