

E71 (π AC) K.Nakai
Space-Time Structure and Correlation in Particle Production in Hadron-Nucleus Interaction

E90 (π AC) K.Nakai
High Energy Nuclear Interactions by Using a Multi-particle Detector

E71

Submitted	1979.8.25
Approved	1979.10.12
Beam line	$\pi 2$
Shift requested	120
Shift executed	49
Executed cycles	80[6~7,8,14,15,16]

E90

Submitted	1983.3.31
Approved	1983.4.20
Beam line	$\pi 2$
Shift requested	250
Shift executed	148.45
Executed cycles	82[15,16], 83[1,2,3,4,5,6,7,8,9,10,11,12], 84[2]

Papers and activities

[Legend]

- Physics papers published in refereed journal
 - Technical papers
 - ★ PhD theses
 - ◇ Conference and Symposium
 - * Internal Report and others
- K.Nakai et al.
Stopping and Energy Deposition of GeV Particles in Target Nuclei Phys. Lett. 121B (1983) 373.
 - T.A.Shibata et al.
Particle Production in the Target-Rapidity Region from Hadron-Nucleus Reactions at Several GeV Nucl.Phys.A408 (1983) 525.
 - K.Nakai et al.
Composite Particle Production in High-Energy Reactions and Size of Production Source Phys.Rev.C25 (1982) 1992.
 - K.Nakai
Study of Energy Deposition of GeV Particles in Target Nuclei Nucl. Phys. A418 (1984) 163c.
 - H.En'yo et al.
Analyses of Particle Production in Hadron-Nucleus Reactions at Several GeV with a Two-Moving-Source Model Phys. Lett. 158B (1985) 1
 - H.En'yo et al.
Analyses of Particle Production in Hadron-Nucleus Reactions at Several GeV with a Two-Moving-

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

- Source Model
Phys. Lett. 159B (1985) 1
- K.Tokushuku et al.
Analysis of Deuteron Spectra from Hadron-Nucleus Reactions at Several GeV with the Coalescence Model
Phys.Lett.235 (1990) 245.
 - H.En'yo et al.
A Cylindrical MWPC for Nuclear Experiments
Nucl.Instr.Meth.196 (1982) 29.
 - K.Ichimarū et al.
Readout System for a Cylindrical Drift Chamber "MICHIE"
Nucl.Instr.Meth. A237 (1985) 559.
 - ★ T.A.Shibata
Particle Production in the Target-Rapidity Region from High-Energy Nuclear Reactions
University of Tokyo, 1982
 - ★ T.Nagae
Study of Isobars in Nuclei with the FANCY Spectrometer-Quasi-free Isobar Productions in Hadron-Nucleus Reactions -
University of Tokyo, 1985
 - ★ H.En'yo
Multi-Particle Dynamics and Production of Excited Nuclear Matter
University of Tokyo, 1985
 - ★ S.Sasaki
Measurements of Δ Production on Nuclei and an Analysis with a Cascade Calculation
University of Tokyo, 1986
 - ★ K.Tokushuku
Study of Two-Particle Correlations in Hadron-Nucleus Reactions
University of Tokyo, 1987
 - ◇ H.En'yo et al.
A Cylindrical NWPC for Nuclear Experiments
Proc. of INS Int'l Symp. on Nuclear Radiation Detectors, p.340, ed.K.Hushimi and Y.Shida, 1981, Tokyo
 - ◇ K.Nakai et al.
Formation of Local Moving Source and Energy Deposition in Hadron-Nucleus Reactions
Proc. of VIth Int'l Balaton Topical Conf., Balatonfurd, Hungary, 1983
 - ◇ K.Nakai
Stopping Process of GeV Particles in Target Nuclei
Proc. of VIth High Energy Heavy Ion Study and IInd Workshop on Anomalons, Berkeley,1983, p.413
 - ◇ K.Nakai
Study of Highly-Inelastic Hadron-Nucleus Collisions
Proc. of Franco-Japonais Colloque, Dogashima, 1983, p.155
 - ◇ K.Nakai
Space Time Structure of Nuclear Reactions
Thr Int'l Summer School on "Nuclear Phase Transitions and Heavy Ion Reactions", Jilin University, Changchun, 1986
 - ◇ K.Nakai
Exclusive Observation Quasifree Δ Production in Proton-Nucleus Reactions
American Institute of Physics 1988, p.454
 - ◇ K.Nakai
Concluding Remark From Y.Y.to T.Y.
On the Spirit of the INS Directors' Leadership
17th INS Int'l Symp. on Nucl. Phys. at Intermediate Energy, Tokyo,Nov.15-17, 1988,p.43

● Physics papers published in refereed journal.

○ Technical papers.

★ PhD theses.

◇ Conference and Symposium.

* Internal Report and others.

- ◇ K.Nakai
Quasifree Hadron Productions in 3.9-GeV/c Nuclear Reactions
American Institute of Physics 1988, p.655
- ◇ K.Nakai
Strangeness Production in Hadron-Nucleus Reactions
Nucl.Phys.A479 (1988) 311c.
- * K.Nakai
Kou enerugii Genshikaku hannou to Kaku bussitsu no kenkyu
Gekkan Physics Vol.5(1984) 521.
- * K.Nakai
Oogata Hadron keikaku ni okeru Kaku butsurei no hashira
Nihon Butsurei Gakkaishi Vol.44 (1989) 641.
- * K.Nakai
Studies of Hadron-Induced Reactions with the FANCY Spectrometer (To be Published, 1990)

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