E288 (MULTI) T. Murakami Study of Multi-Fragmentation Processes in pA, dA and αA Reactions

E337 (MULTI) T. Murakami Angular Correlation of Fragments from Target Nuclei

E393 (MULTI) T. Murakami Energy Dependence of Target Multi-Fragmentation in pA and dA Reactions

E288

Submitted	(1992.11.4)
Approved	1992.12.2
Beam line	P1
Shift requested	83+α28
Shift executed	28
Executed cycles	93[7,10]

E337

Submitted	1994.6.20
Approved	1994.7.15
Beam line	P1
Shift requested	76
Shift executed	41
Executed cycles	(95[10]), 95[12], 96[1,2-2]

E393

Submitted	1996.6.27
Approved	1997.3.18
Beam line	EP1B
Shift requested	72
Shift executed	26
Executed cycles	97[3-1,3-2]

Papers and activities

[Legend]

Physics papers published in refereed journal

Technical papers

★ PhD theses

♦ Conference and Symposium

* Internal Report and others

K.H. Tanaka et al.

Energy Spectra and Angular Distribution of Intermediate Mass Fragments Emitted in Au/Ag(p,X) reactions with Ep=12 GeV

Nucl. Phys. A 583 (1995) 581c.

J. Murata et al.

Fragment Emission Source Geometry and Temperature in 12-GeV and 8-GeV Proton Induced Multifragmentation

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

Proc. of INPC98, Paris, France, August 1998

Nucl. Phys. A 654 (1999) 807c.

O H. Ochiishi et al.

Application of Bragg-Curve Counters to a Target Multifragmentation Measurement Nucl. Instr. Meth A 369 (1996) 269.

Y. Tanaka et al.

Data-acquisition system for a target multifragmentation experiment with large solid angle detectors Nucl. Instr. Meth. A 425 (1999) 323.

★ J. Murata et al.

Nuclear Calorimetry on GeV Proton Induced Target Multifragmentation Reactions Kyoto University, 2000

♦ K.H. Tanaka et al.

Angular Distribution of Intermediate Mass Fragments Emitted in the Reactions Au/Ag(p,X) at 12 GeV

Proc. of 7th Int'l Conf. in Nuclear Reaction Mechanisms, Varenna, Italy, June 6-11, 1994, Universitá Degli Studi di Milano, Supplemento N.100, p643.

♦ T. Murakami et al.

Target Fragmentation by GeV Energy Proton

Proc. of the 2nd Japan-Italy Joint Symposium on Heavy Ion physics, RIKEN, Japan, May, 1995, "Prespectives in Heavy Ion Physics" (World Scientific, Singapore, 1996) p152.

♦ T. Murakami et al.

Multifragmentation Experiment at KEK 12 GeV Proton Synchrotron

Invited talk at the "Hot and Expanding Nuclear Matter Symposium" the 210th ACS National Meeting at Chicago, August 1995

K.H. Tanaka et al.

Response of Nuclear Matter against 12 GeV Protons (The first results of the KEK-PS E337 Experiment)

Proc. of 8th Int'l Conf. on Nuclear Reaction Mechanisms, Varenna, Italy, June9-14, 1997

♦ J. Murata et al.

Temperature Distribution in Light Profectile Induced Reactions it{ibid.}, p216.

Proc. of 8th Int'l Conf. on Nuclear Reaction Mechanisms, Varenna, Italy, June9-14, 1997, Universitá Degli Studi di Milano, Supplemento N.111, p216.

♦ T. Murakami et al.

Temperature Distributions in 12-GeV and 8-GeV Proton Induced Multifragmentations it{ibid.}, p221.

Proc. of 8th Int'l Conf. on Nuclear Reaction Mechanisms, Varenna, Italy, June9-14, 1997, Universitá Degli Studi di Milano, Supplemento N.111, p221.

T. Murakami et al.

Thermal Property of IMF Source Produced by 12 GeV Protons

Invited talk at the "probing Nuclear Matter at Extreme Conditions" the 214th ACS National Meeting at Las Vegas, September 1997

♦ K.H. Tanaka et al.

Energy Spectra and Angular Distributions of IMFs Produced in 8 GeV Proton and 12 GeV Proton and ²⁰Ne Induced Multifragmentation Reactions

Proc. of 9th Int'l Conf.on Nuclear Reaction Mechanisms, Varenna, Italy, June 2000, Universitá Degli Studi di Milano, Supplemento N.115, p.323.

♦ T. Murakami et al.

Temperature Distributions in 12-GeV and 8-GeV Proton Induced Multifragmentations

Proc. of 9th Int'l Conf.on Nuclear Reaction Mechanisms, Varenna, Italy, June 2000, Universitá Degli Studi di Milano, Supplemento N.115, p.315.

T. Murakami et al.

Comparative Study of Target Multifragmentation Induced by 12-GeV Proton and 12 GeV ²⁰Ne 7th Int'l Conf. on Nucleus Nucleus Collisions (NN2000), Strasbourg, France, July 2000.

Physics papers published in refereed journal.

Technical papers.

[★] PhD theses.

[♦] Conference and Symposium.

^{*} Internal Report and others.

♦ T. Murakami et al.

Fragment Formation in GeV-Energy Proton and Light Heavy-Ion Induced Reactions Proc. of Int'l Symp. on Clustering Aspects of Quantum Many-Body Systems, Kyoto, Japan, Nobember 2001

"Clustering Aspects of Quantum Many-Body Systems" (World Scientific, Singapore, 2002) p.177.

♦ T. Murakami et al.

Target Fragmentation Induced by GeV-Energy Light Projectiles 2002 Nuclear Chemistry GORDON CONFERENCE, New London, USA, June 2002.

♦ T. Murakami et al.

Multifragmentation Induced by Light Heavy-Ions with GeV energy Proc. of 10th Int'l Conf. on Nuclear Reaction Mechanisms, Varenna, Italy, June 2003 Universitá Degli Studi di Milano, Supplemento N.122, p.541.

♦ T. Murakami et al.

Total Energy Dependence of Angular Distributions of IMFs Produced in Heavy-Ion Induced Target Multi fragmentation Reactions at around 10 GeV

NN2003, Moscow, Russia, June 2003 (Nucl. Phys. A in press).

♦ T. Murakami et al.

Total Energy Dependence of Angular Distributions of IMFs Produced in Proton and Heavy-Ion Induced Target Multifragmentation

Proceedings of the Eighth International Conference on Nucleus-Nucleus Collisions (NN2003), Nuclear Physics, A734 supplement 1, E96-E99, 2004.

Physics papers published in refereed journal.

Technical papers.

[★] PhD theses.

[♦] Conference and Symposium.

^{*} Internal Report and others.