

Program EVALPLOT
(Version 2021-1)

by

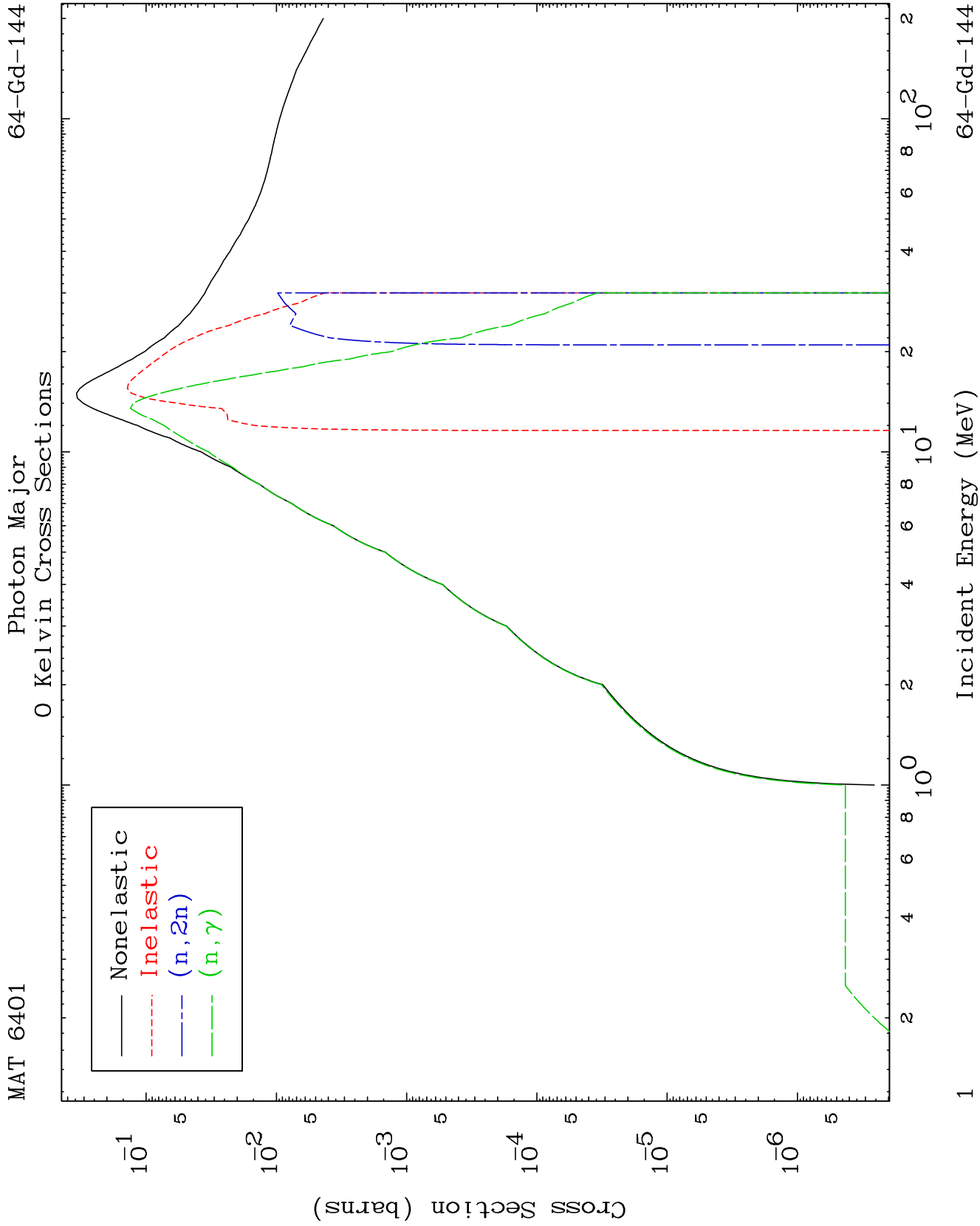
Dermott E. Cullen
(Present Contact Information)

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Livermore, CA 94550
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Tele: 925-443-1911

E.Mail: redcullen1@comcast.net
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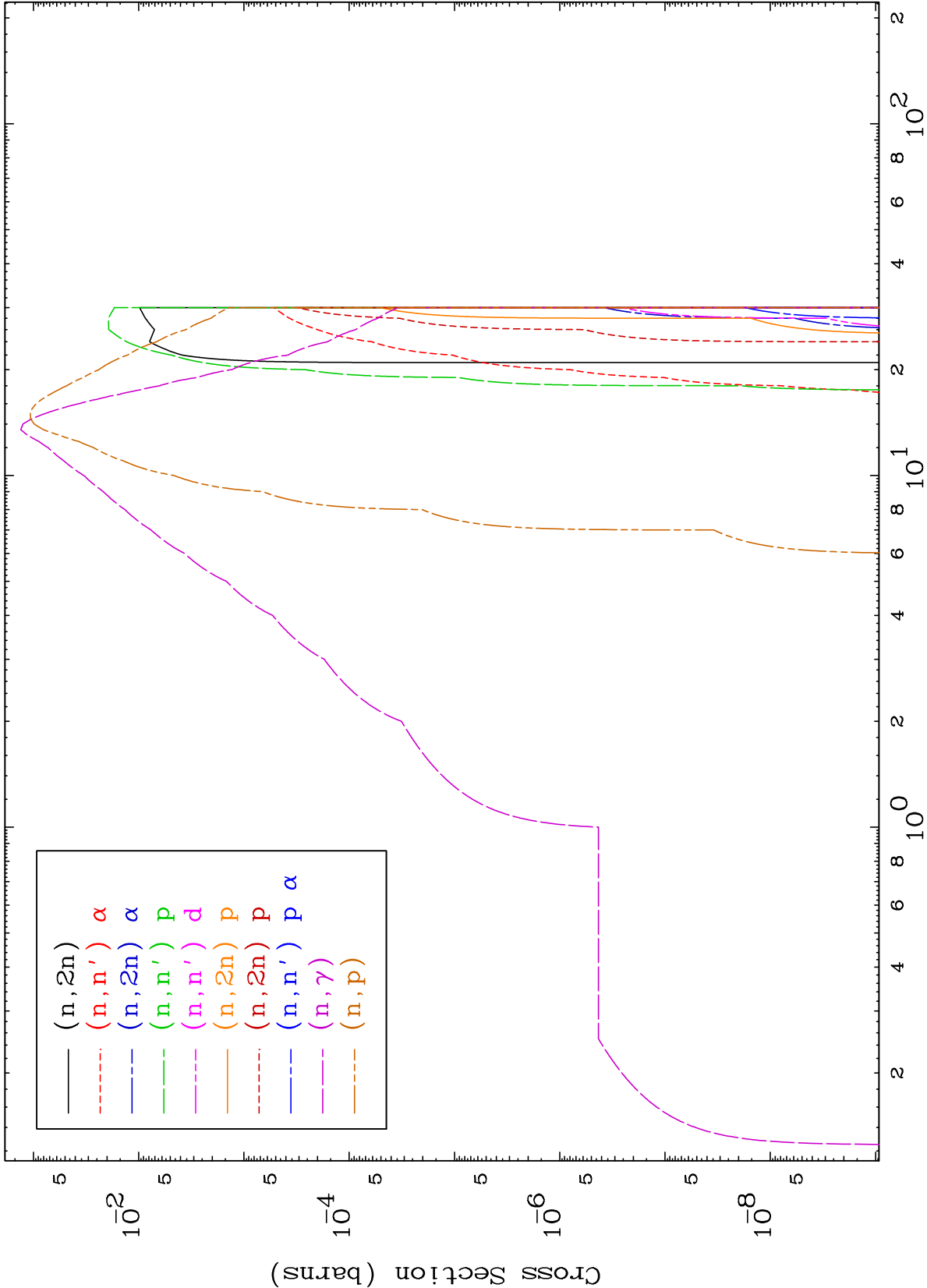
Press Mouse Button to Start



MAT 6401

Photon Neutron Absorption
0 Kelvin Cross Sections

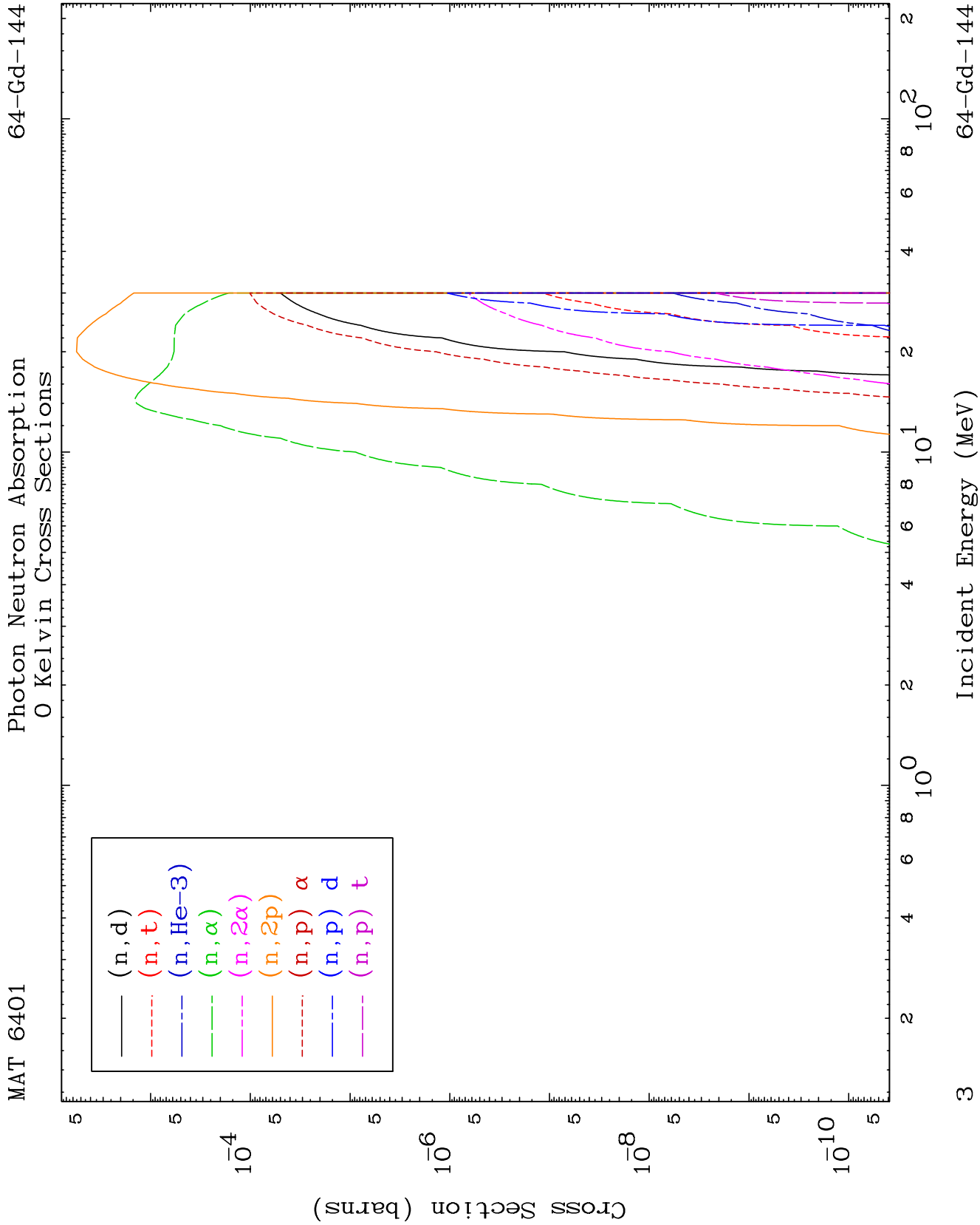
64-Gd-144

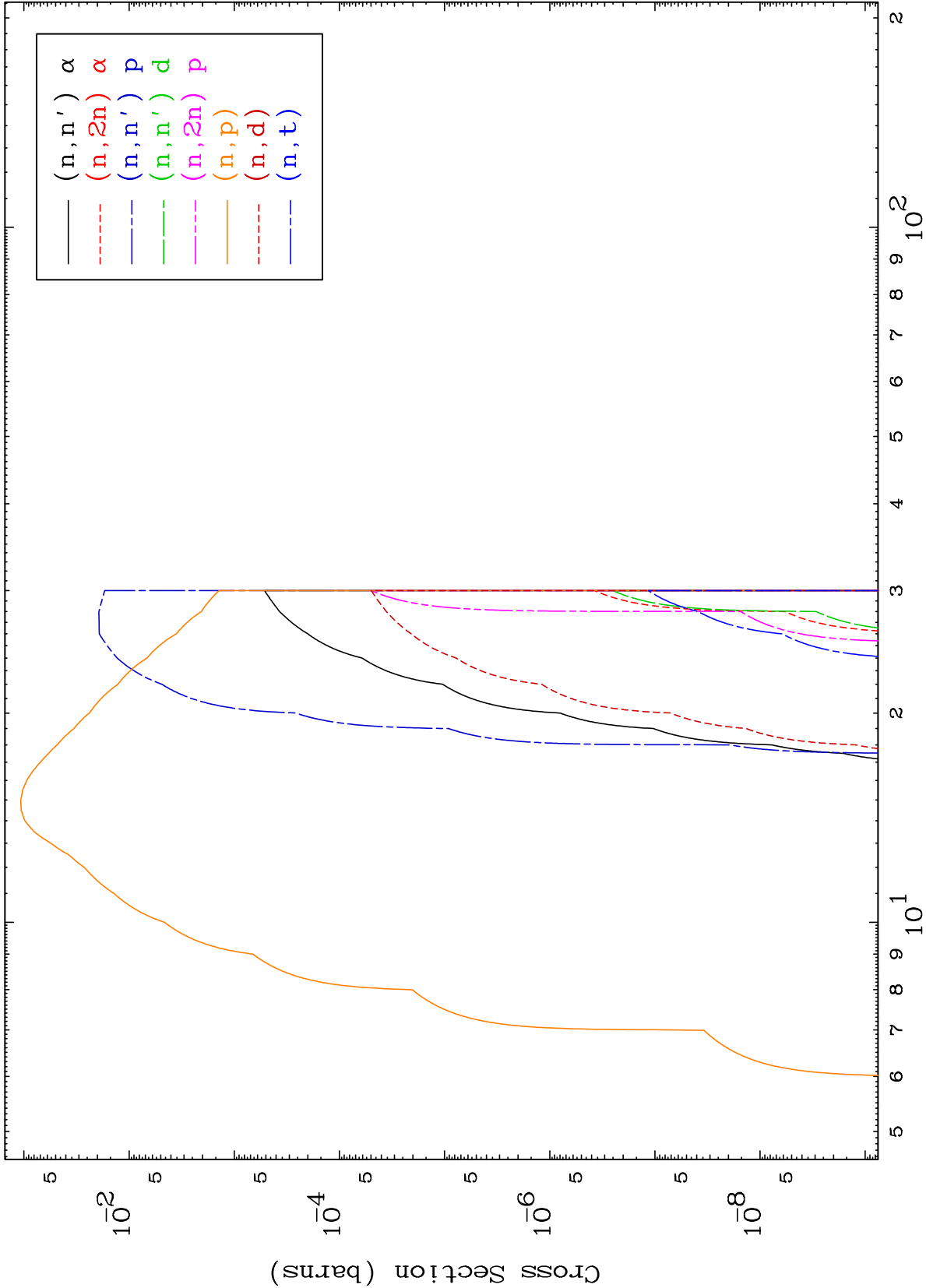


2

Incident Energy (MeV)

64-Gd-144

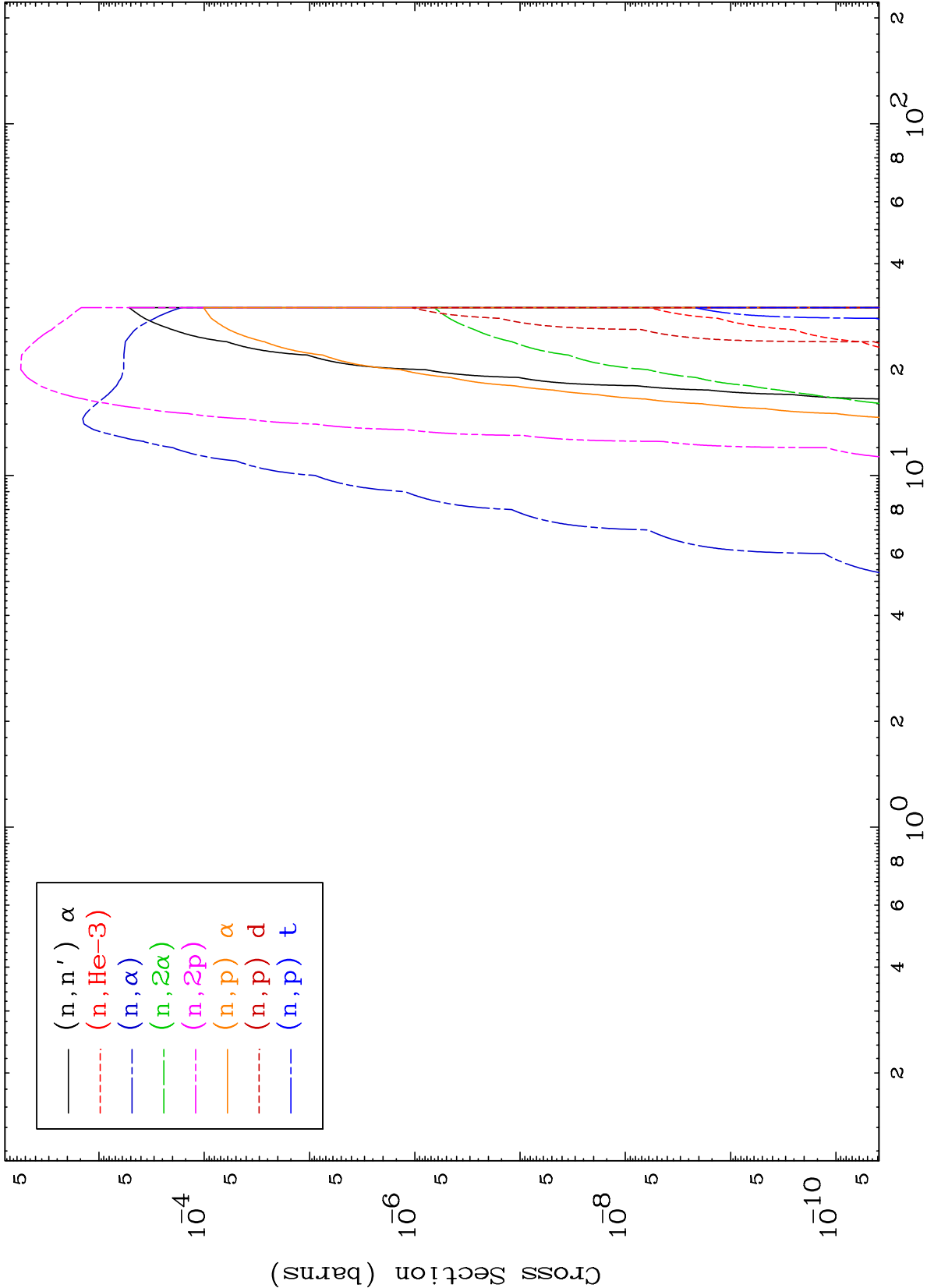




MAT 6401

Photon Charged Particle
0 Kelvin Cross Sections

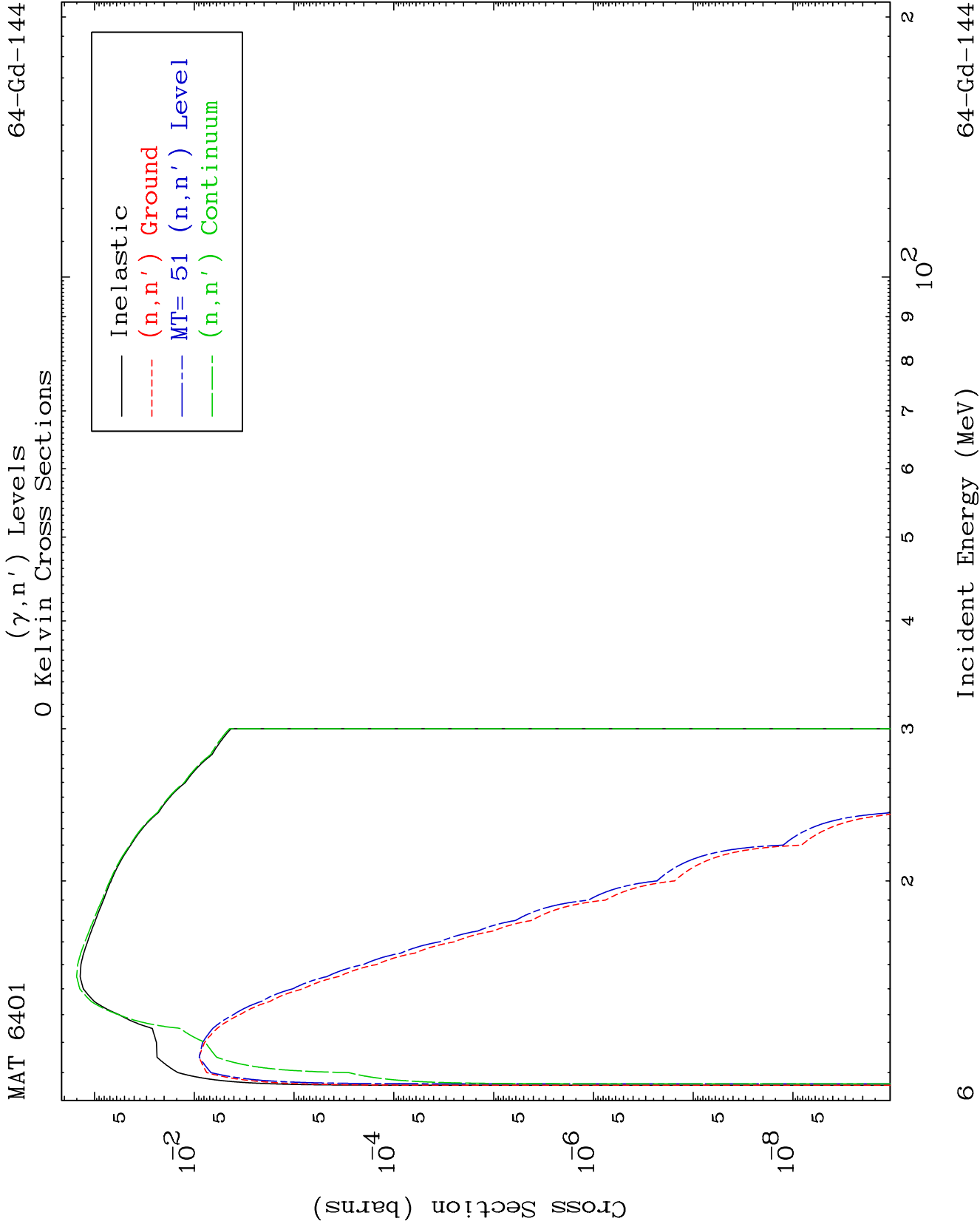
64-Gd-144



5

Incident Energy (MeV)

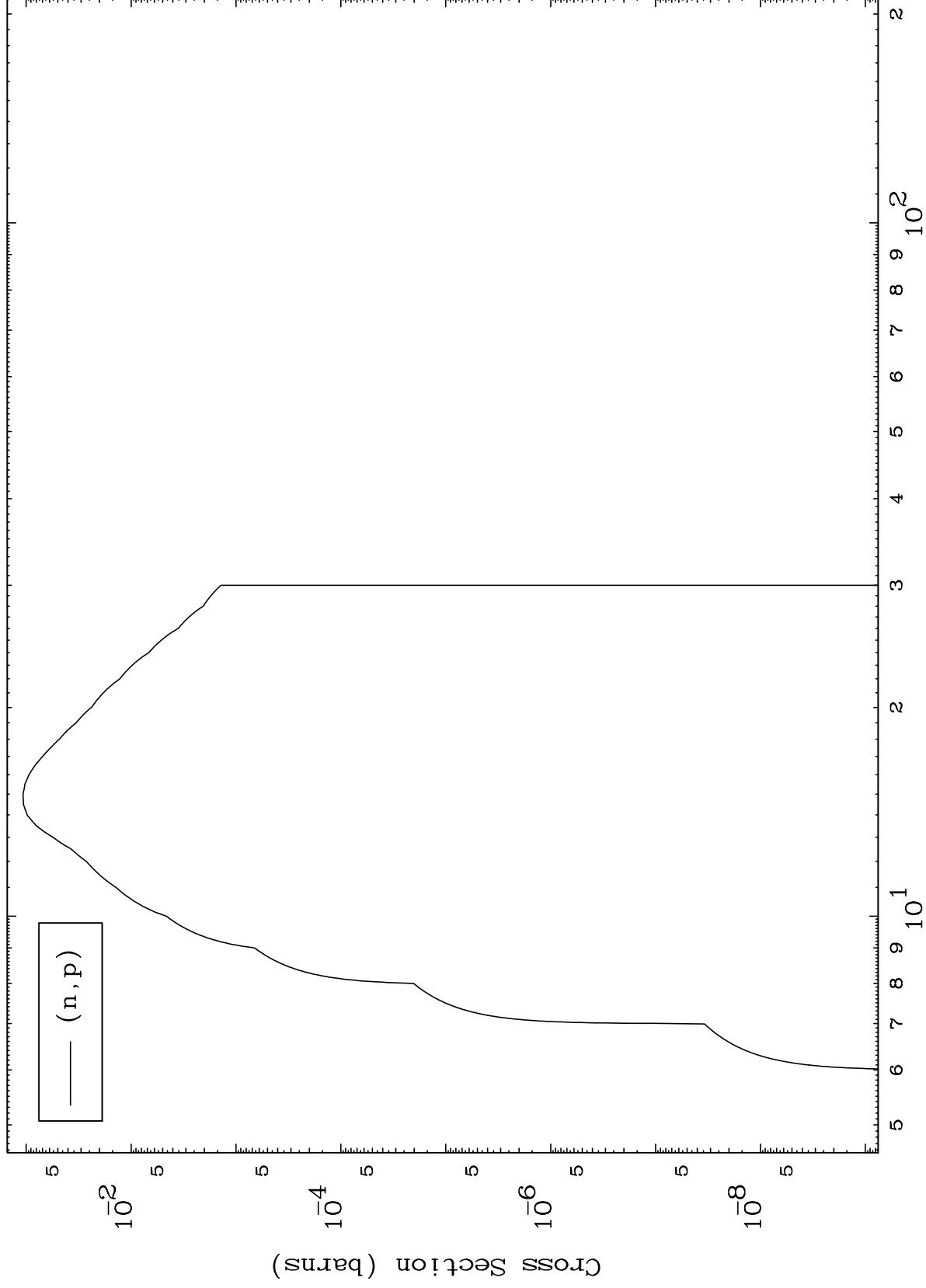
64-Gd-144



MAT 6401

64-Gd-144

(γ, p) Levels
0 Kelvin Cross Sections



7

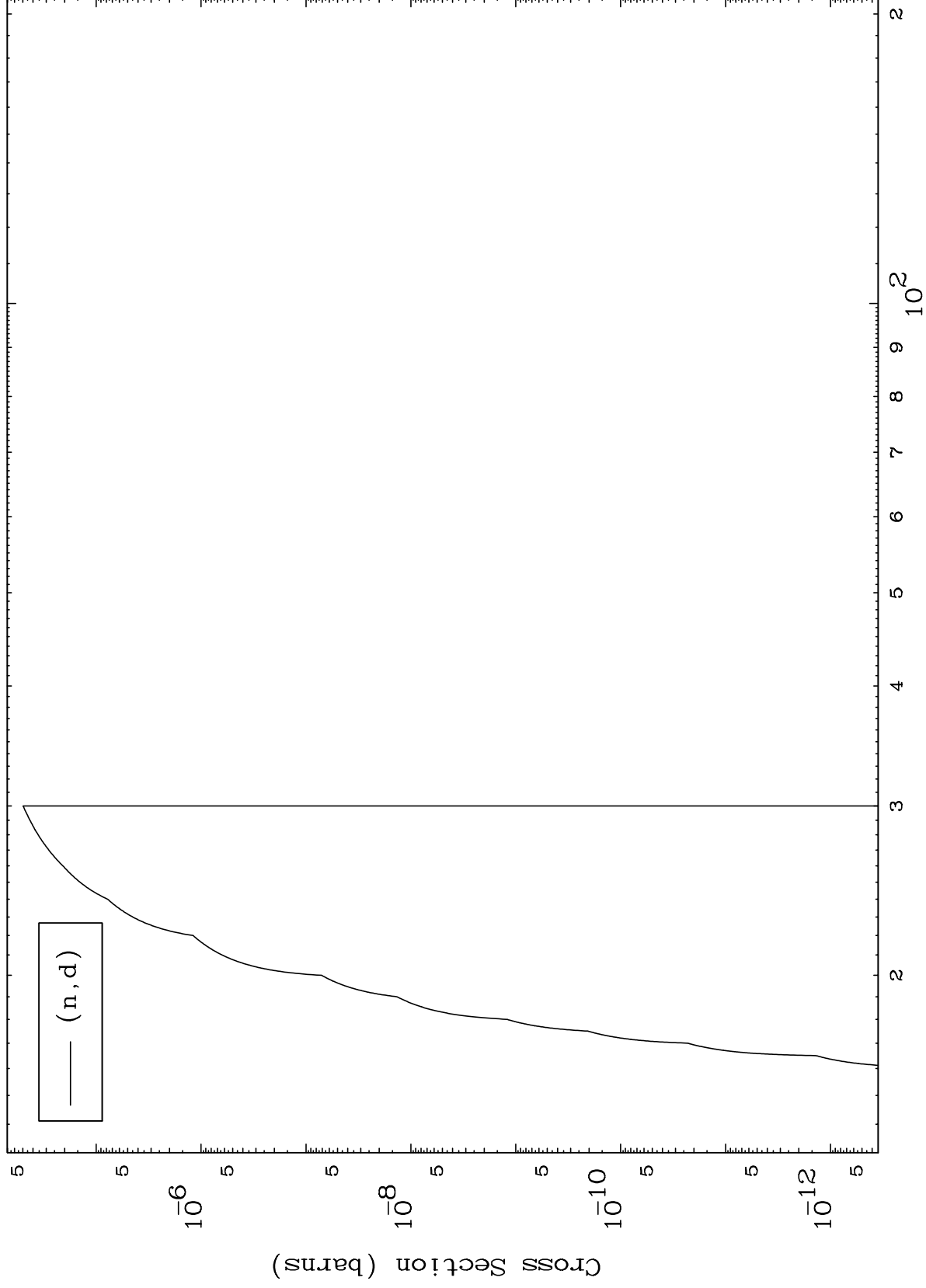
Incident Energy (MeV)

64-Gd-144

MAT 6401

64-Gd-144

(γ, d) Levels
0 Kelvin Cross Sections

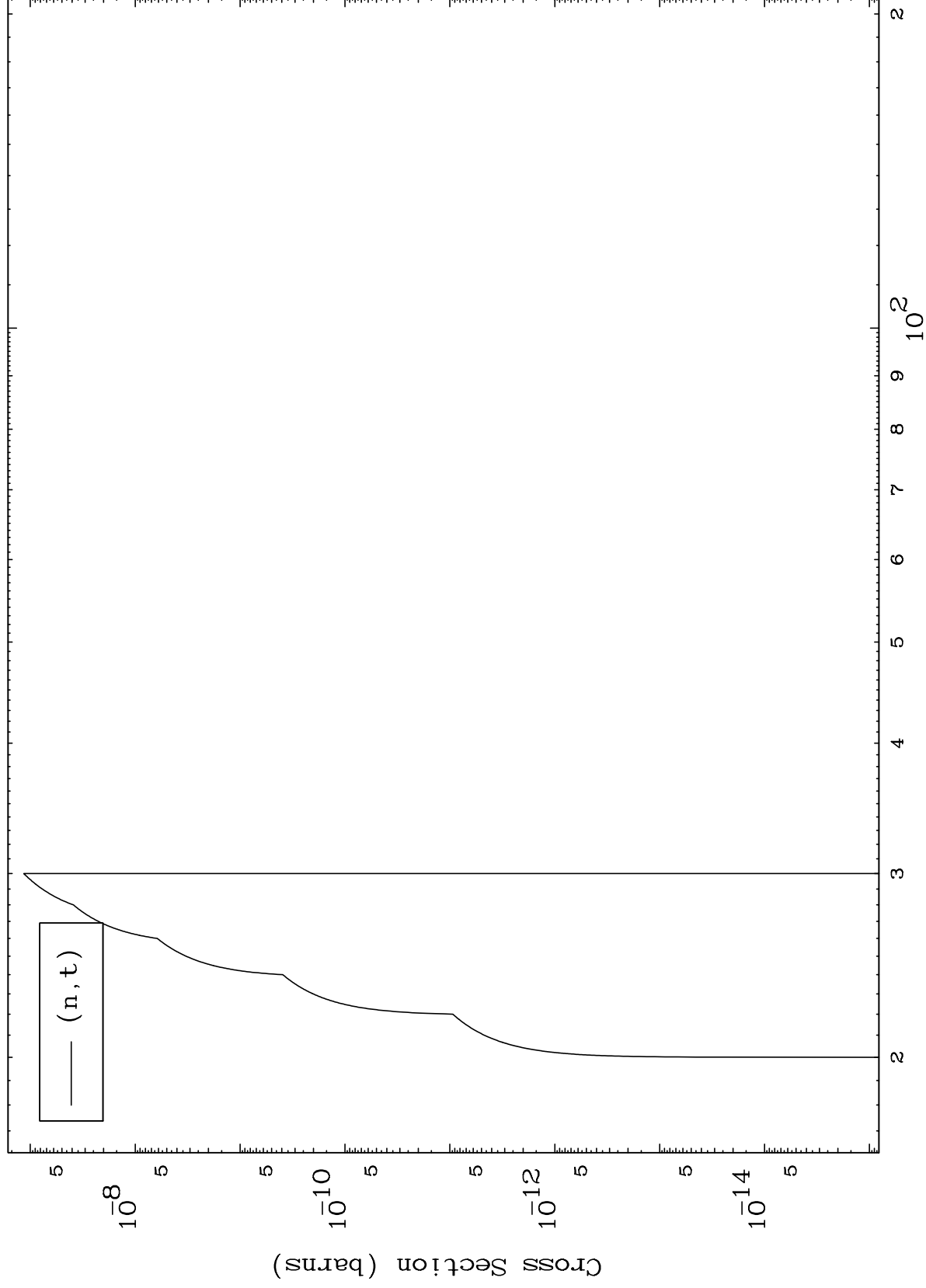


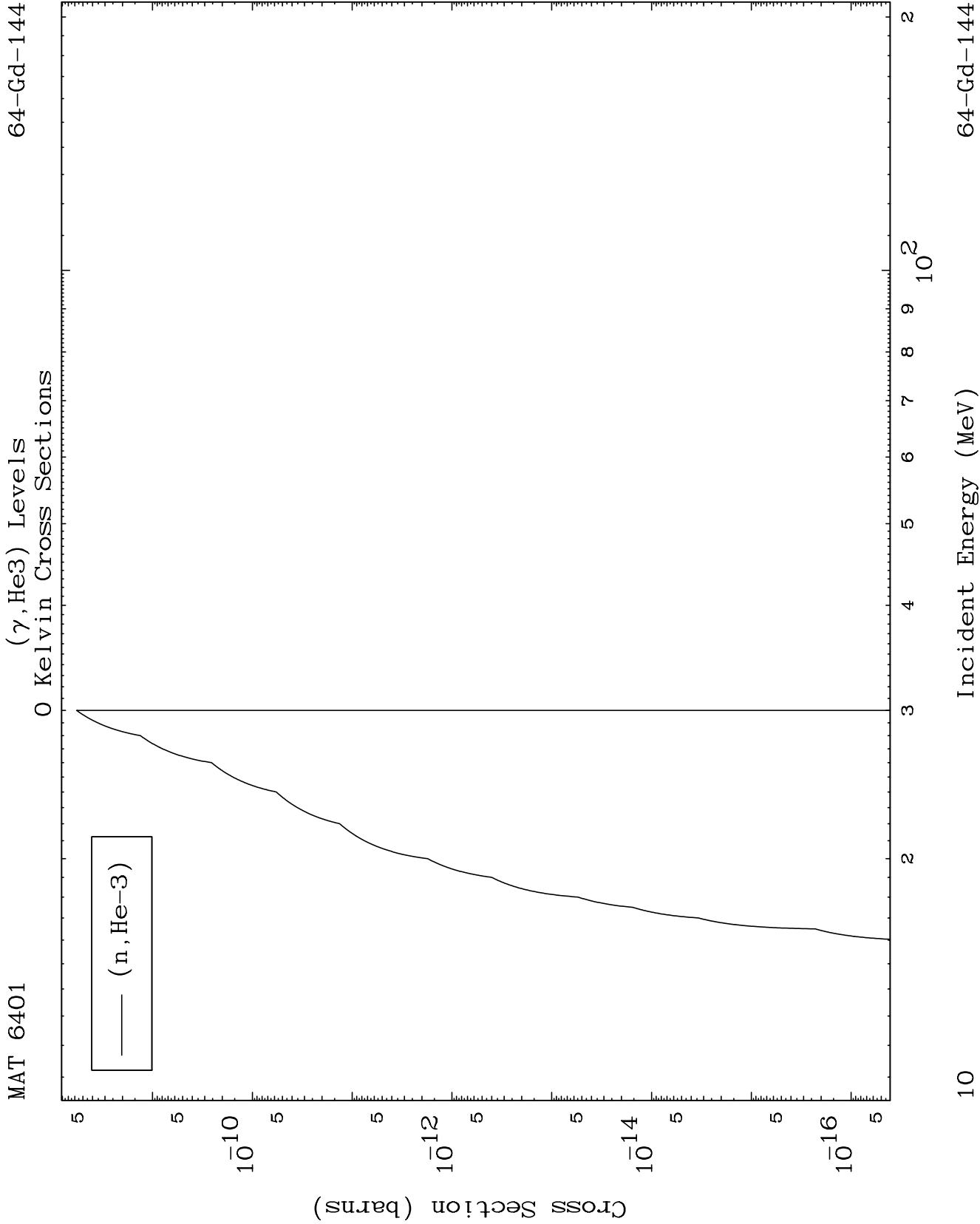
8

64-Gd-144

Incident Energy (MeV)

(γ, t) Levels
0 Kelvin Cross Sections

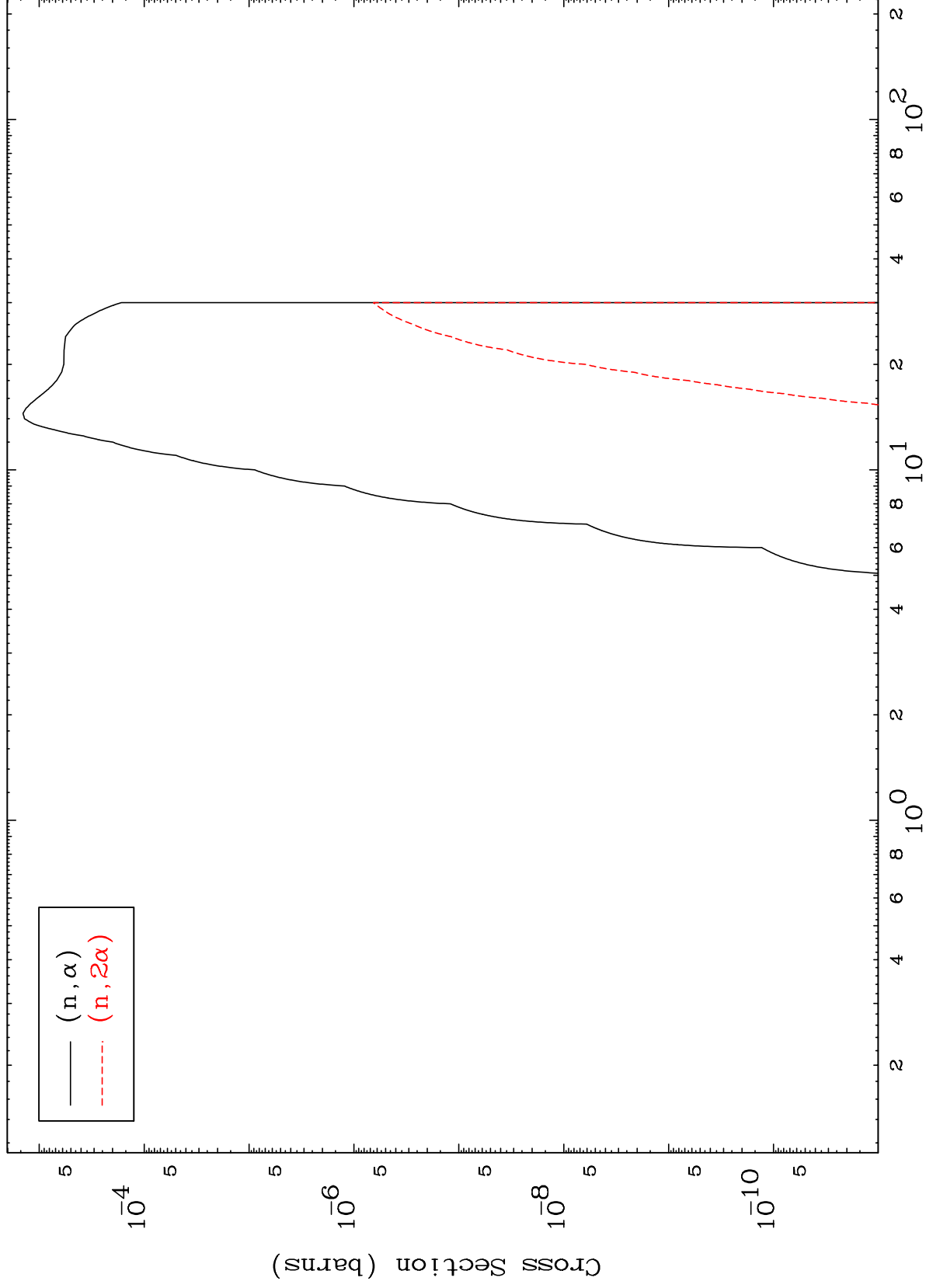




MAT 6401

64-Gd-144

(γ, α) Levels
0 Kelvin Cross Sections



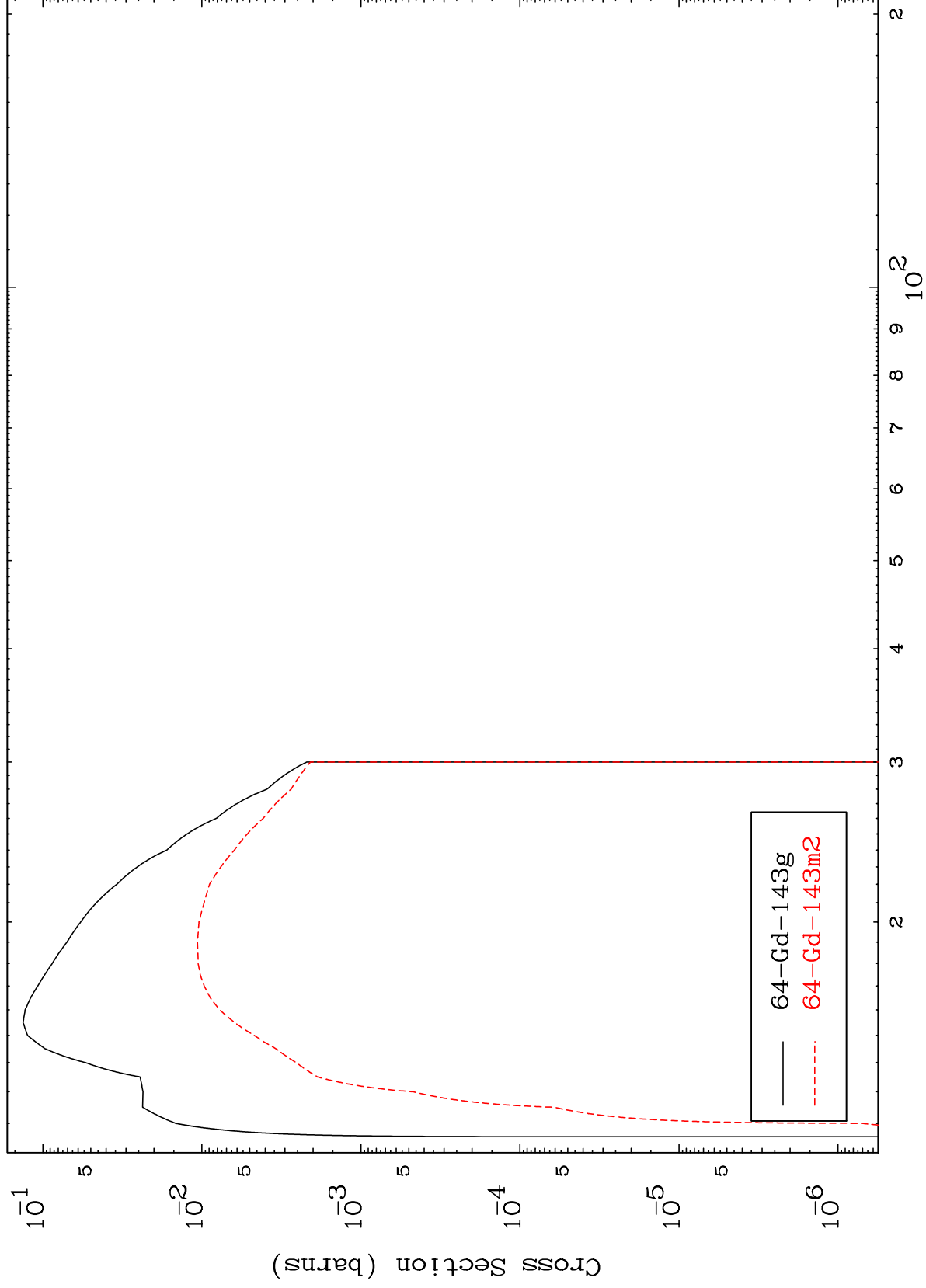
11

64-Gd-144

MAT 6401

64-Gd-144

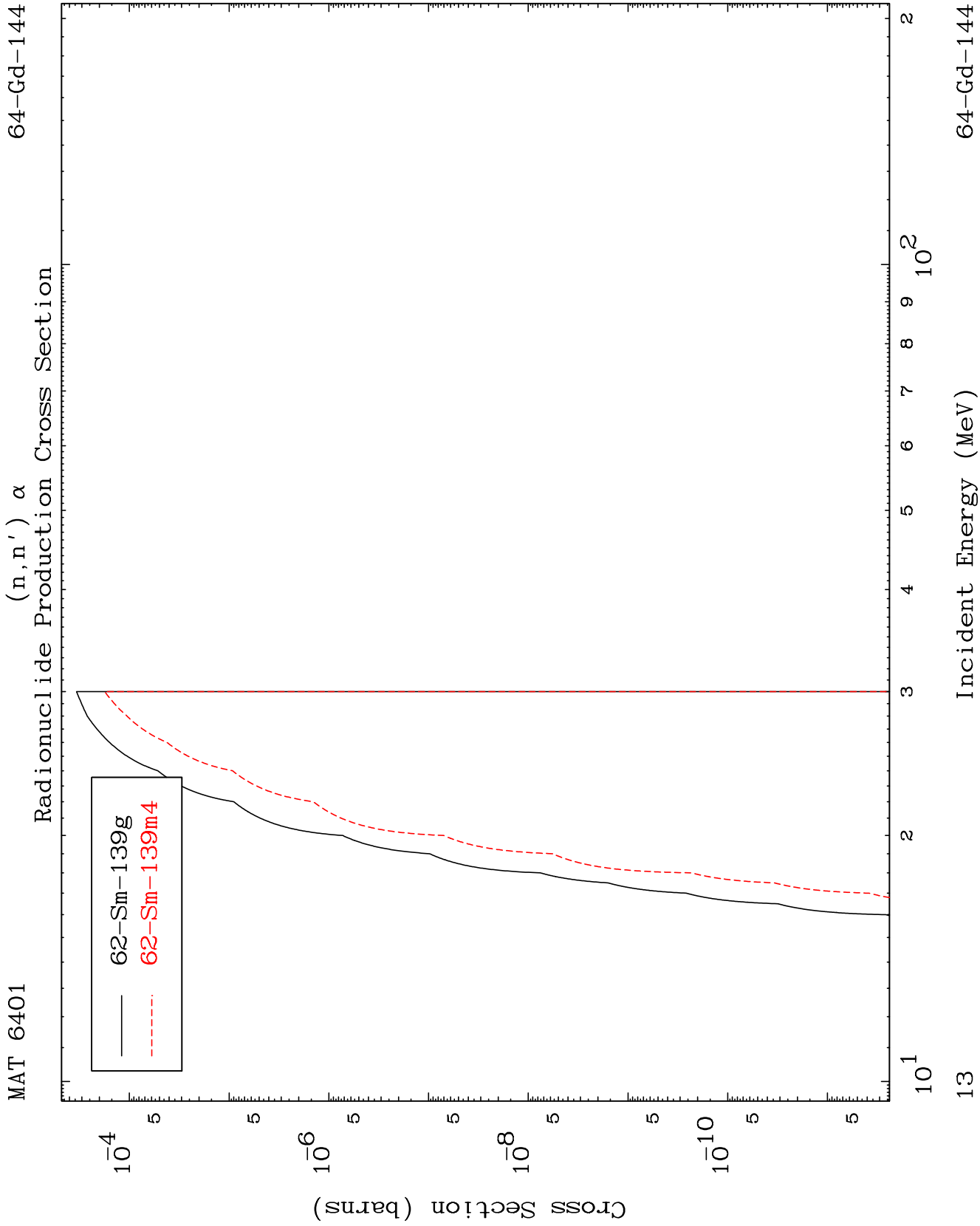
Inelastic
Radionuclide Production Cross Section

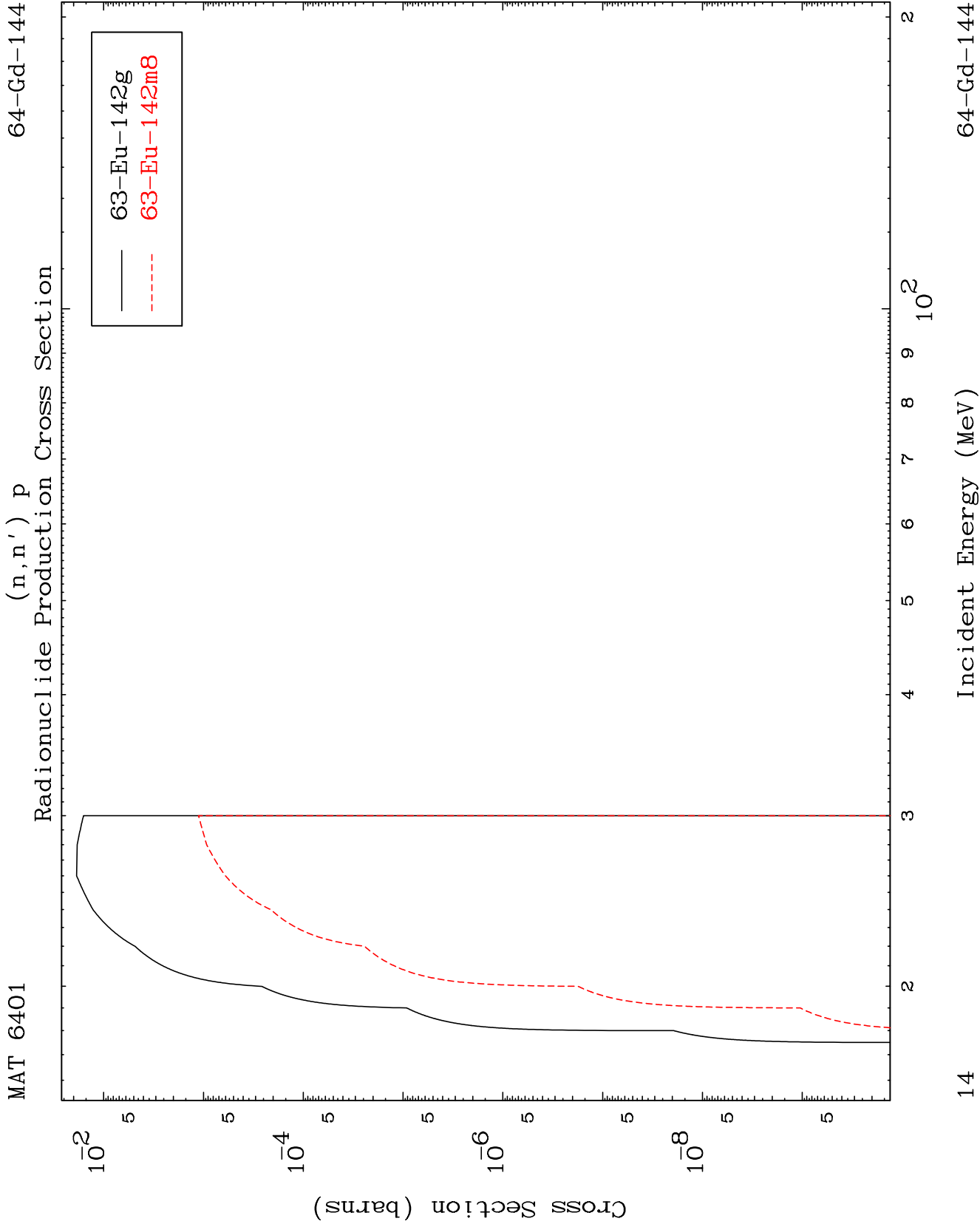


64-Gd-144

Incident Energy (MeV)

12



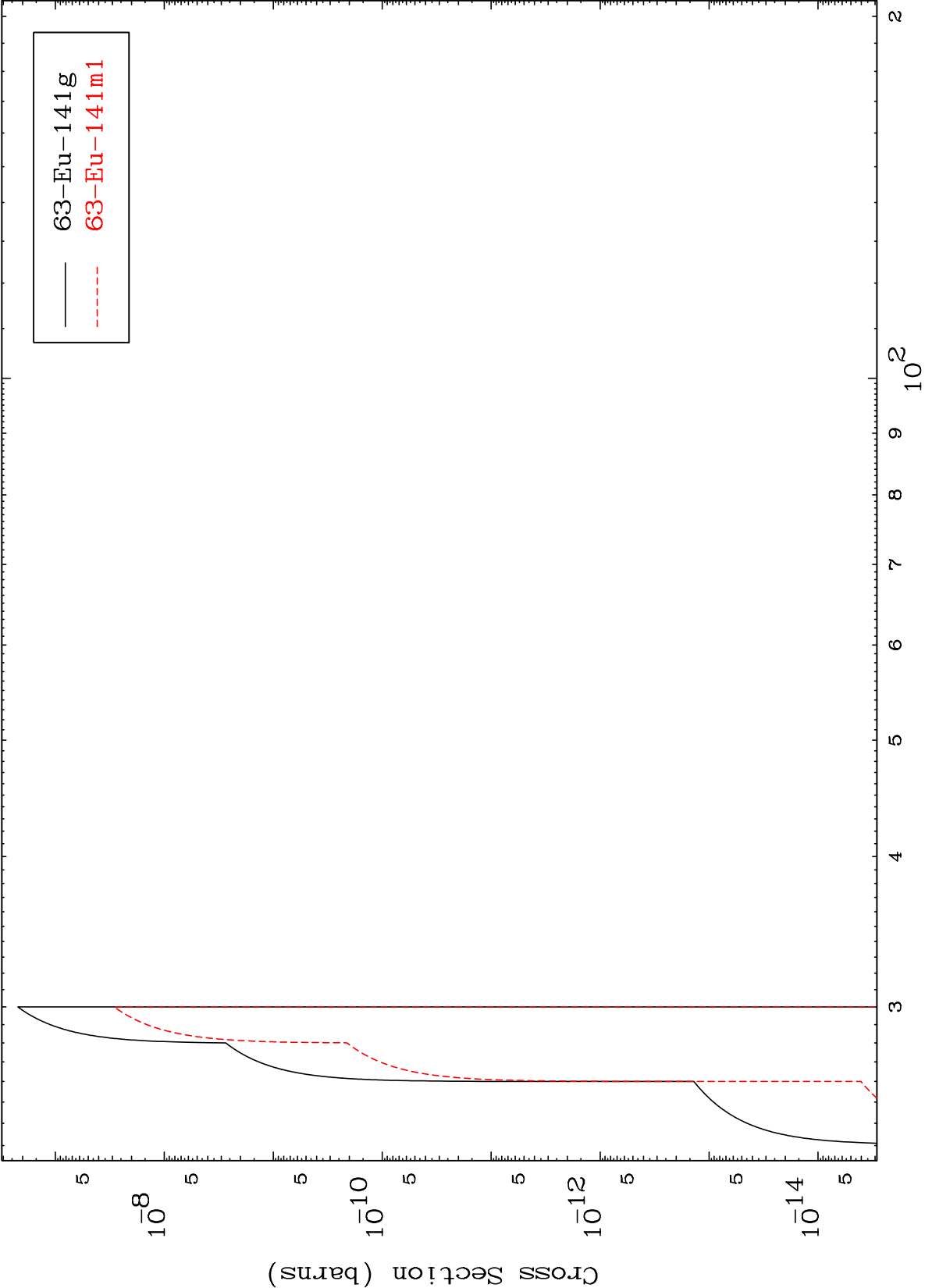


MAT 6401

(n,n') d

64-Gd-144

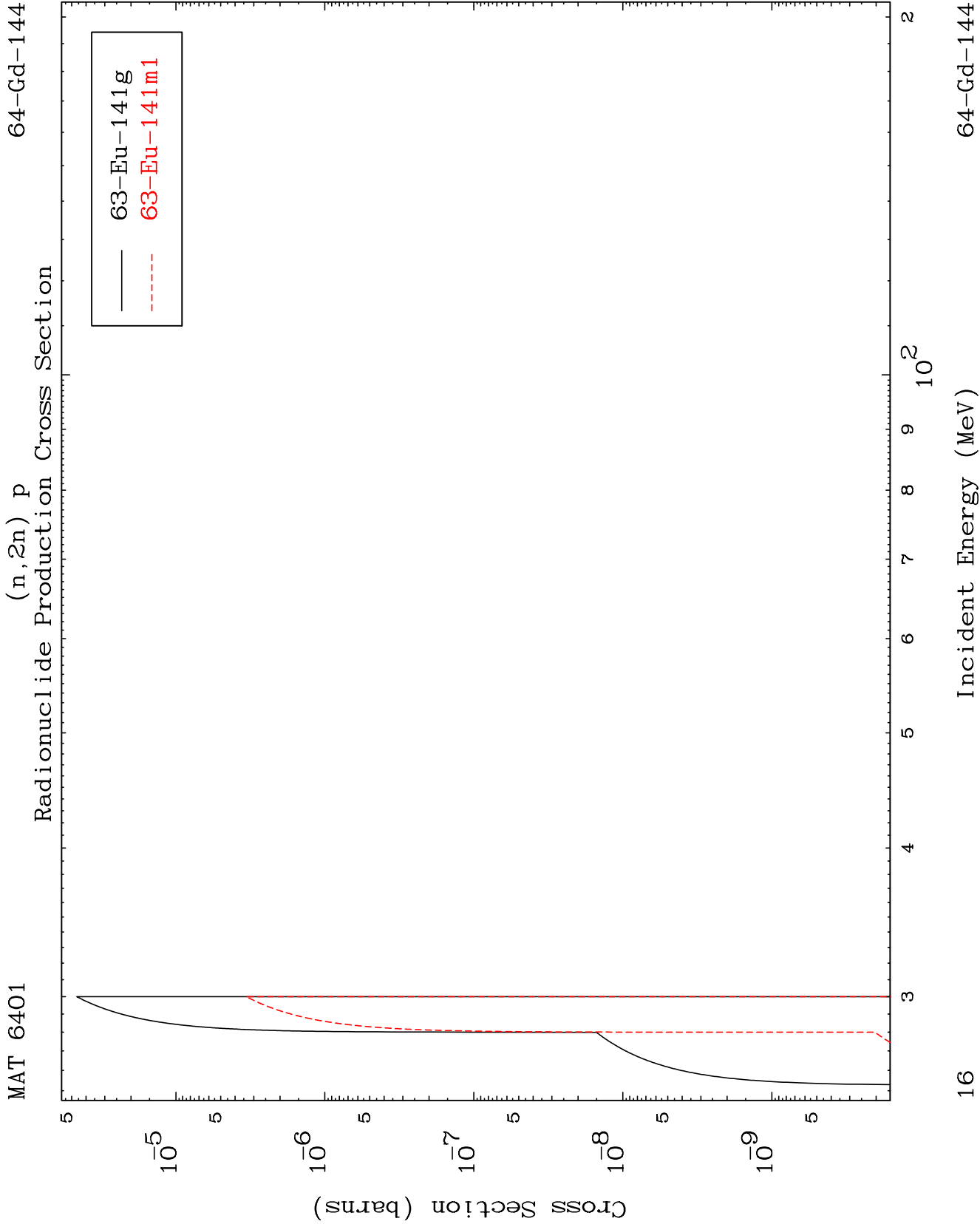
Radionuclide Production Cross Section

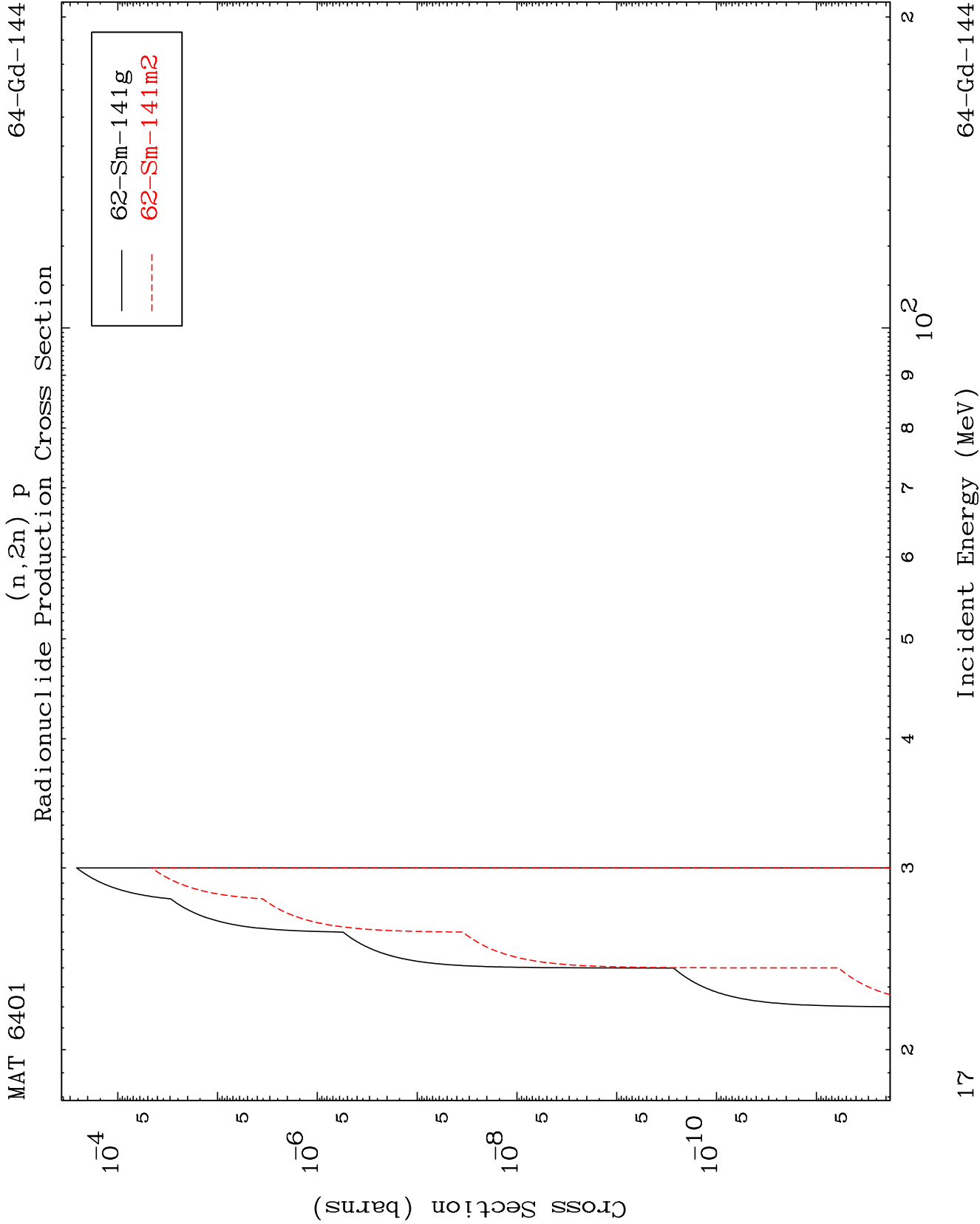


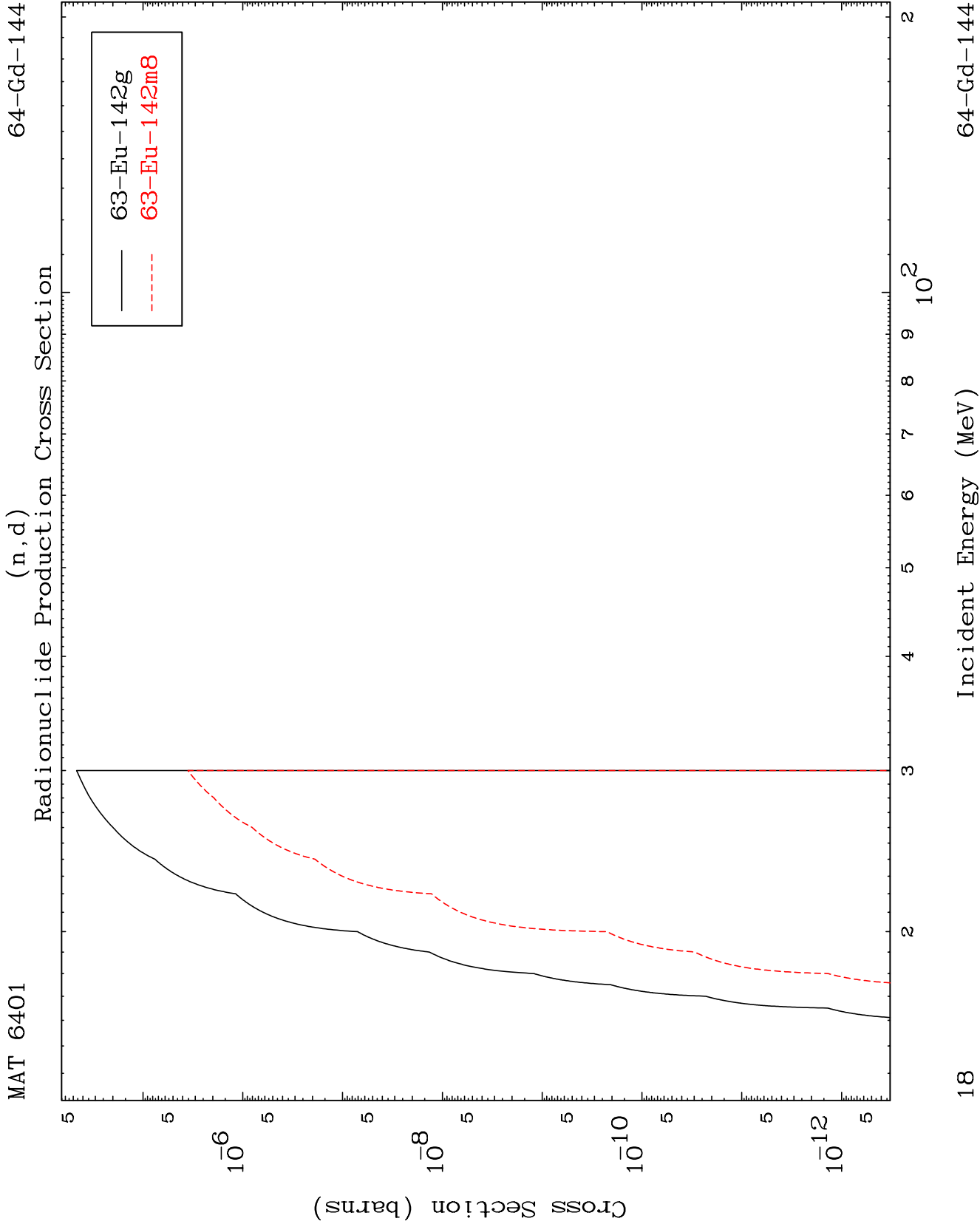
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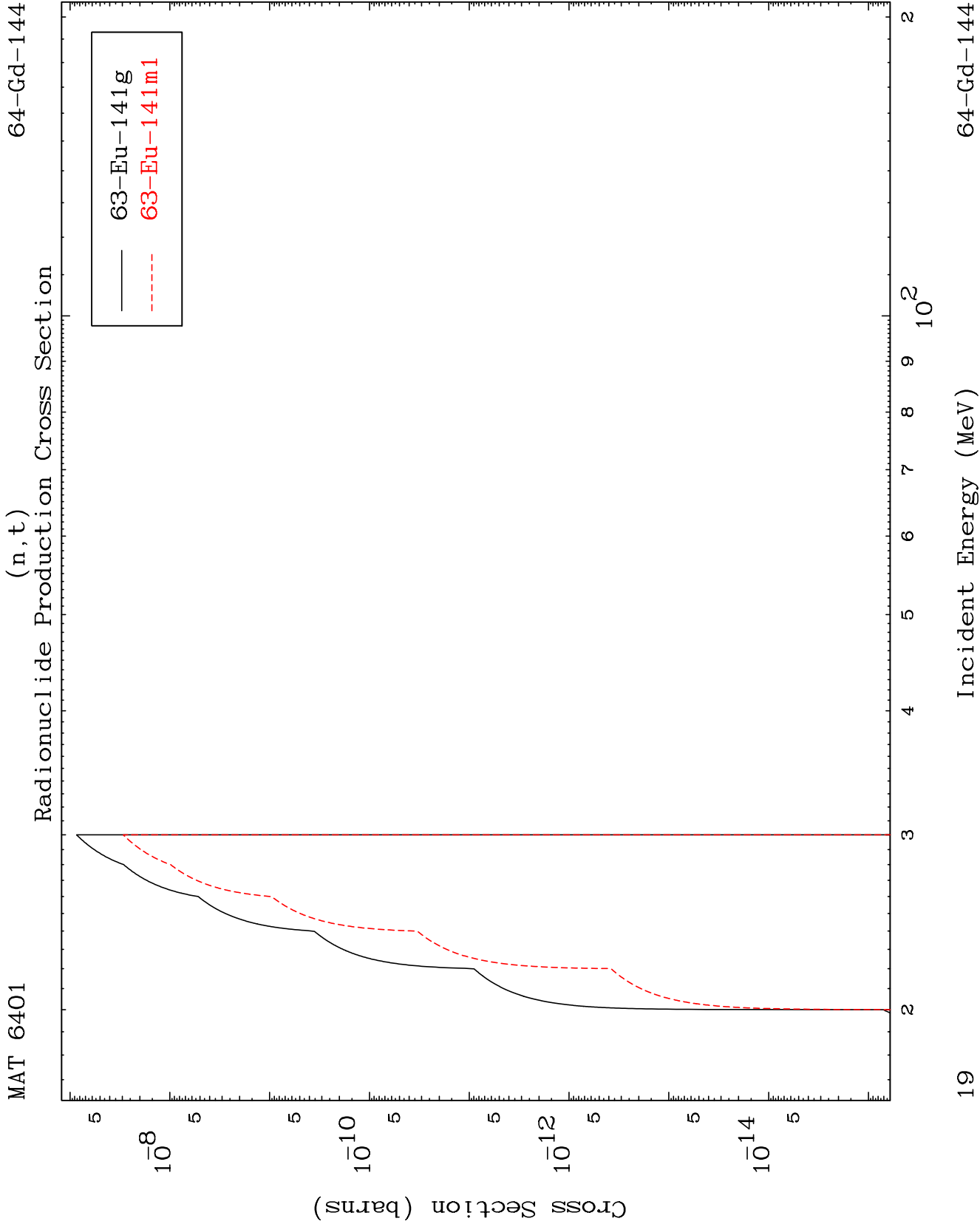
Incident Energy (MeV)

64-Gd-144





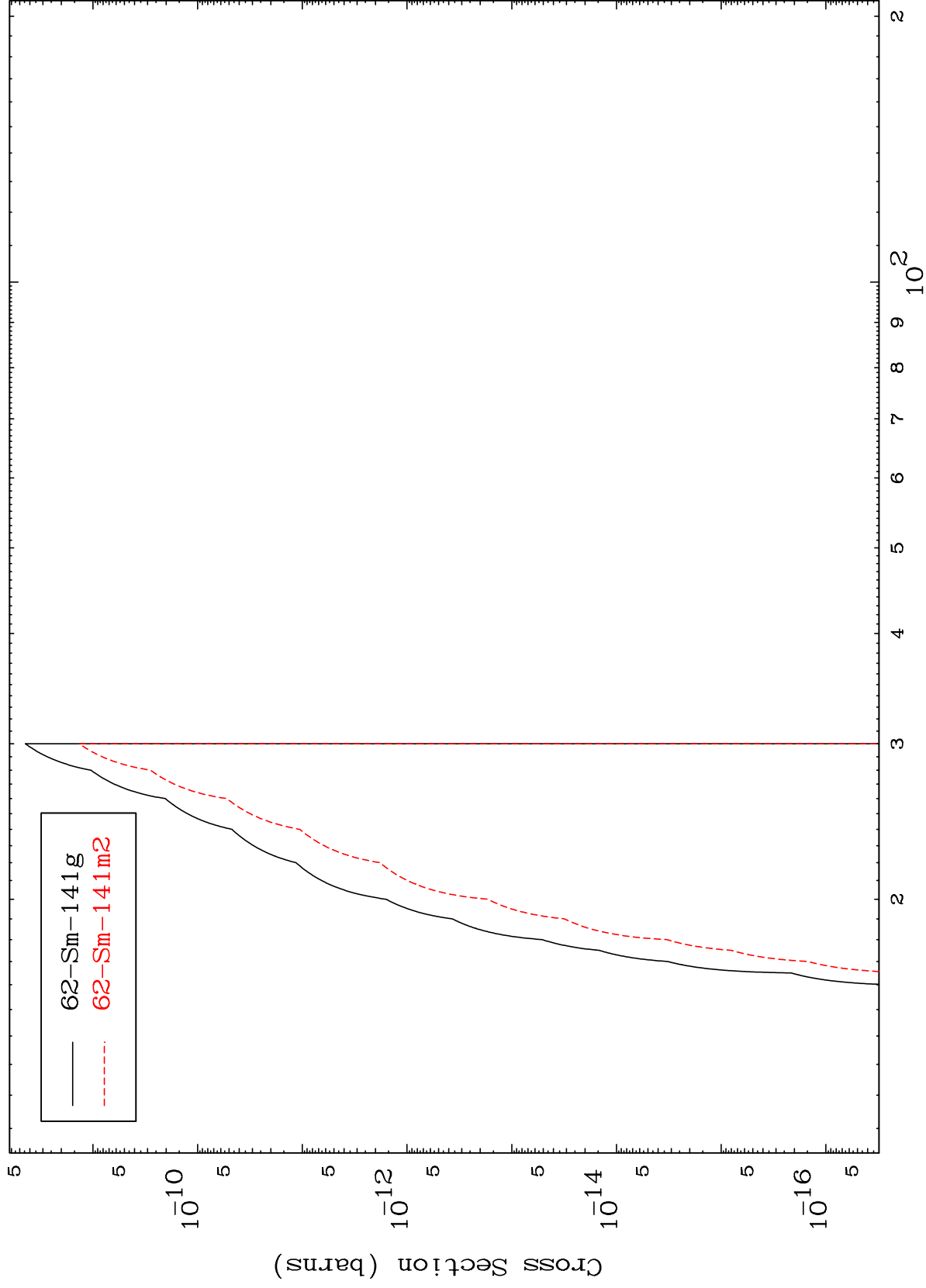




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64-Gd-144

Radionuclide Production Cross Section
(n,He-3)



20

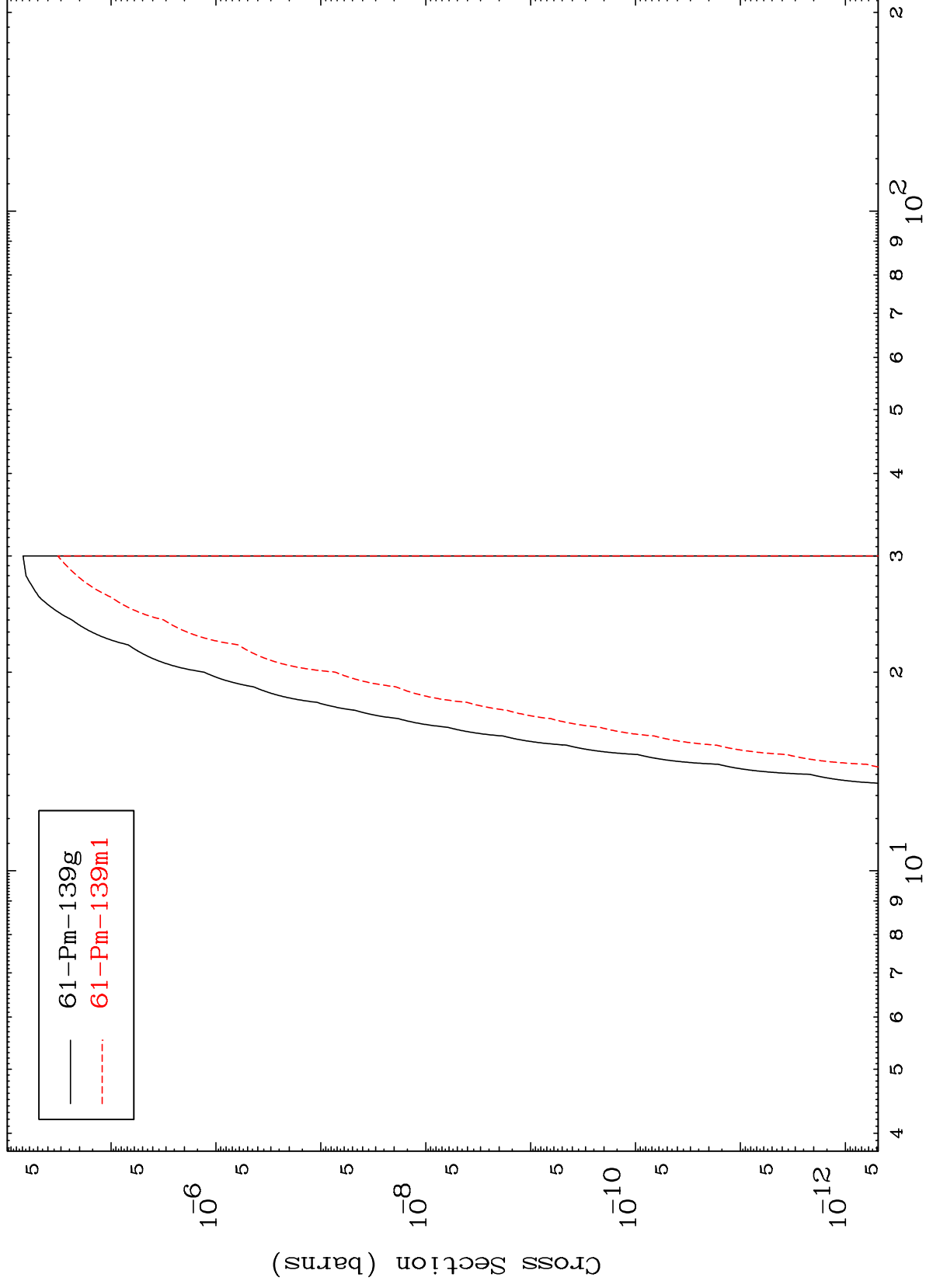
Incident Energy (MeV)

64-Gd-144

MAT 6401

64-Gd-144

(n,p) α
Radionuclide Production Cross Section



21

Incident Energy (MeV)

64-Gd-144

