

Program EVALPLOT
(Version 2021-1)

by

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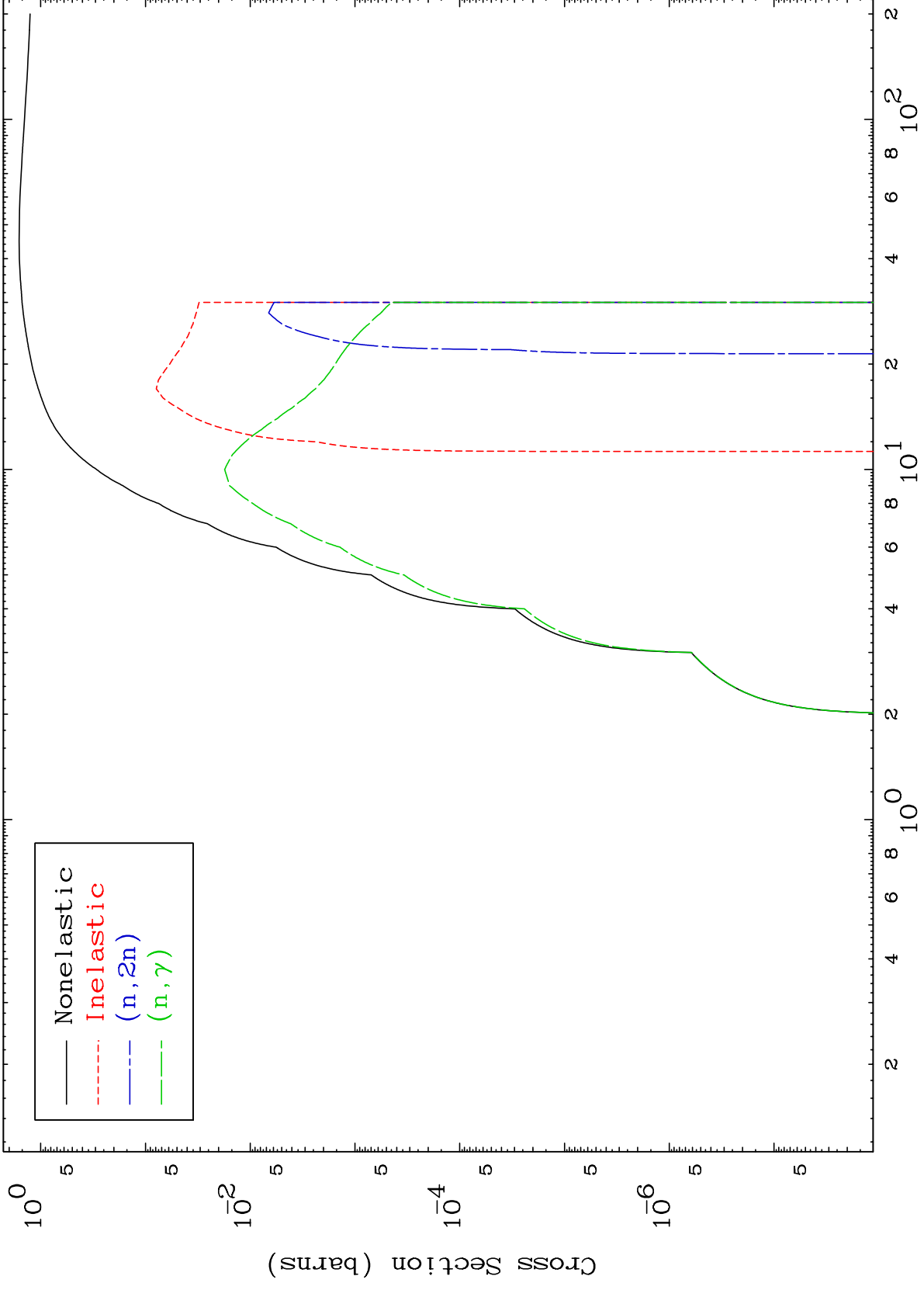
Press Mouse Button to Start

MAT 6395

Proton Major

64-Gd-142

0 Kelvin Cross Sections

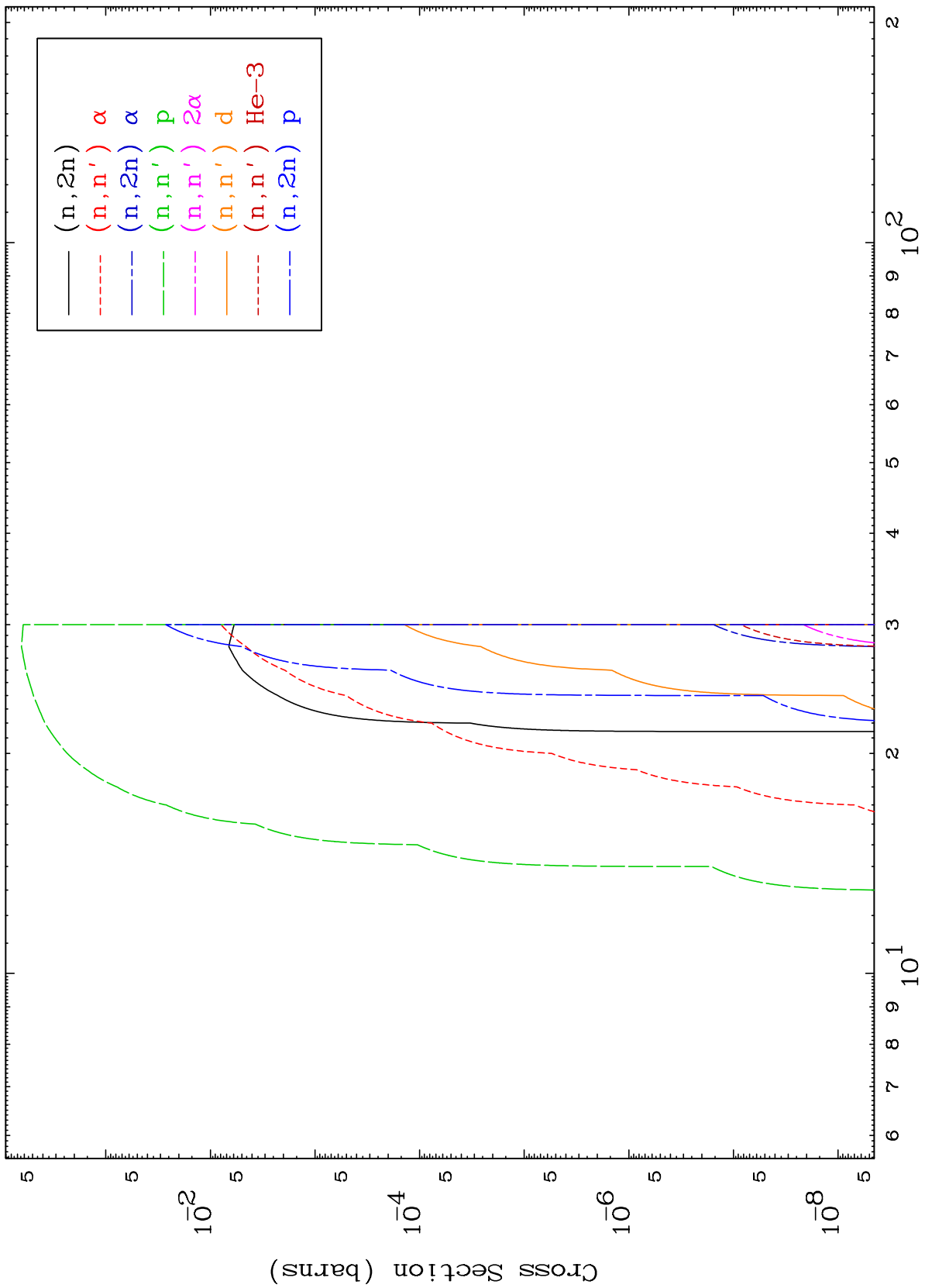


Legend:
— Nonelastic
- - - Inelastic
- - - (n, 2n)
- - - (n, γ)

MAT 6395

Proton Neutron Absorption
0 Kelvin Cross Sections

64-Gd-142



2

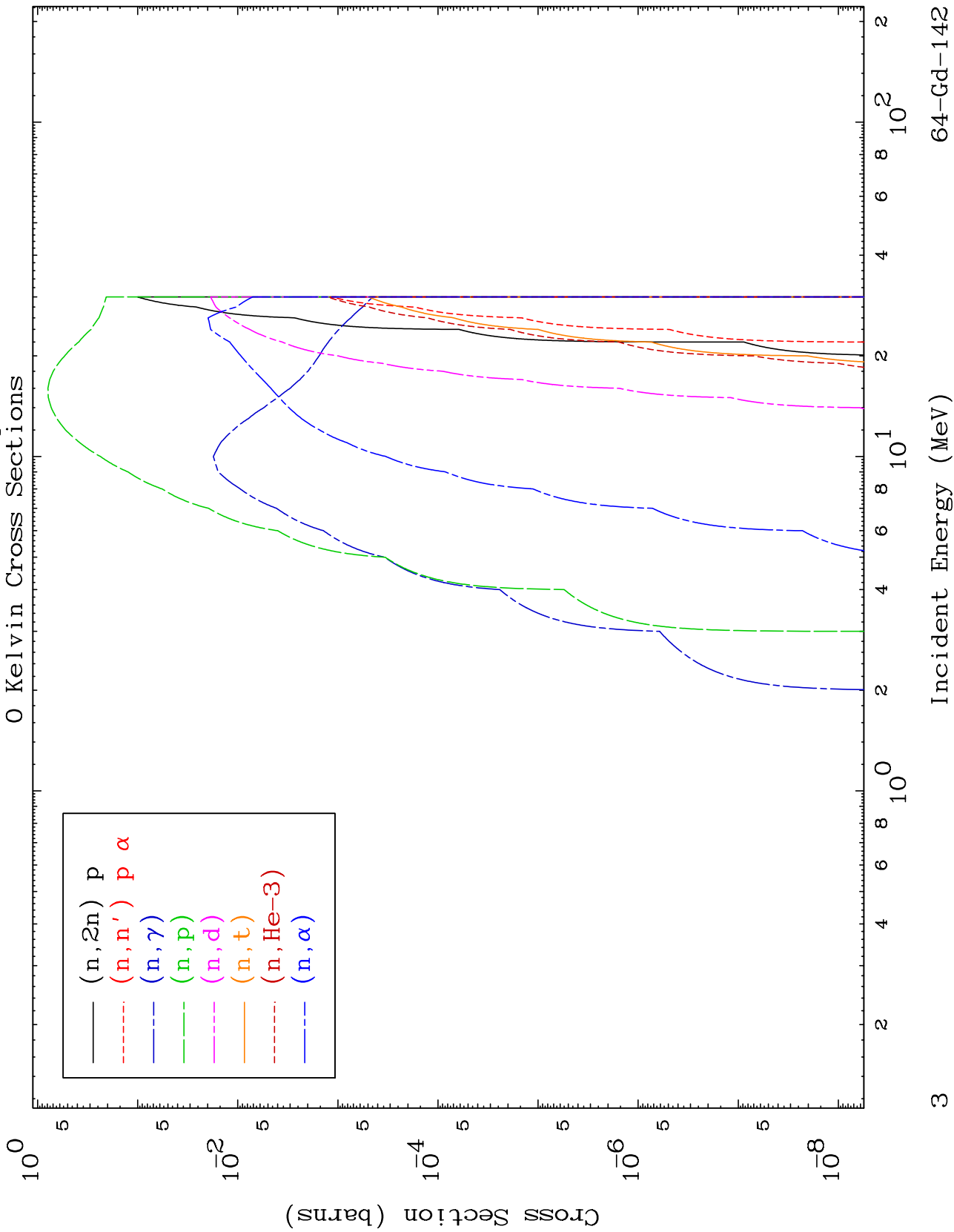
Incident Energy (MeV)

64-Gd-142

MAT 6395

Proton Neutron Absorption
0 Kelvin Cross Sections

64-Gd-142



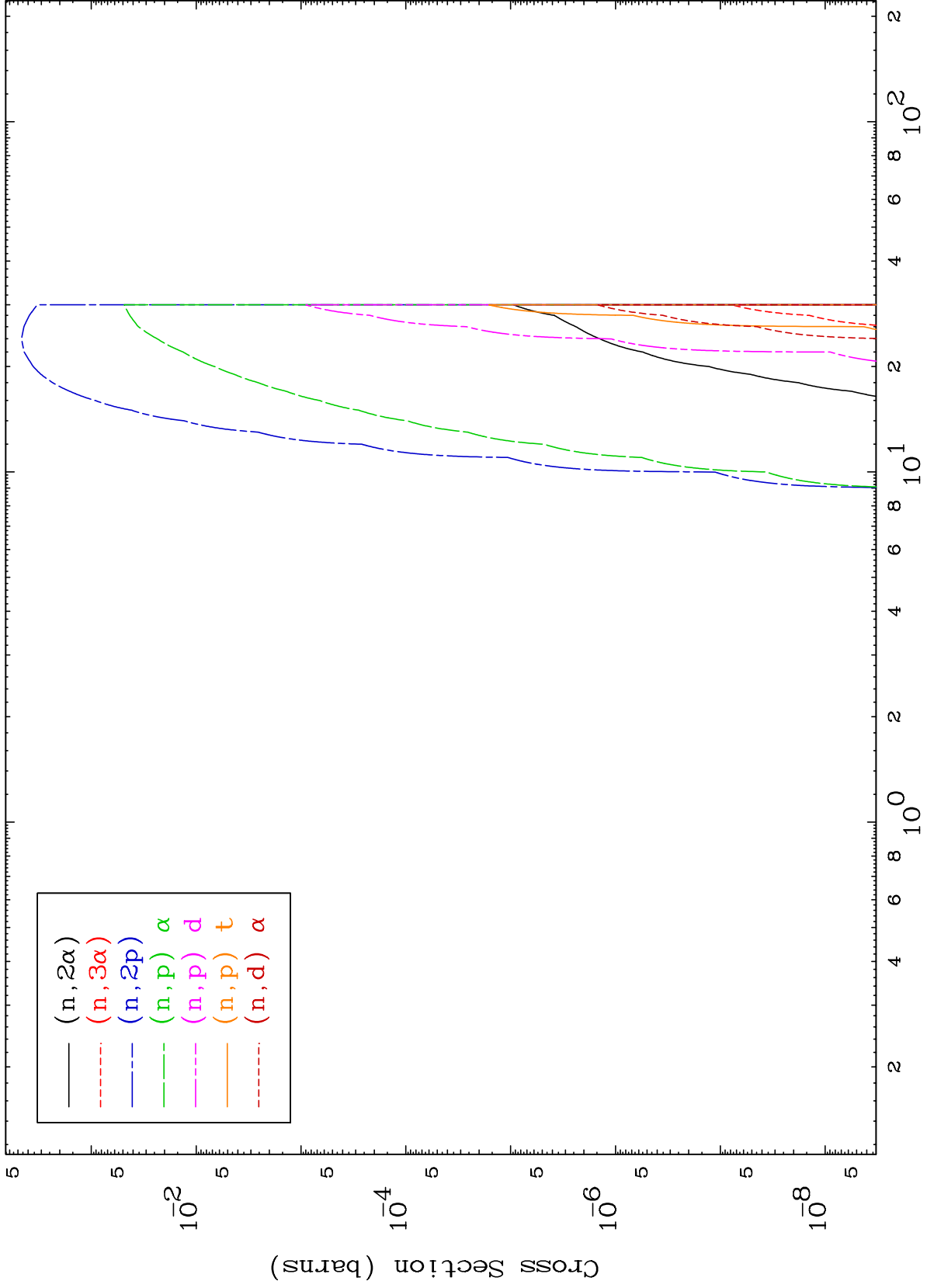
64-Gd-142

Incident Energy (MeV)

MAT 6395

Proton Neutron Absorption
0 Kelvin Cross Sections

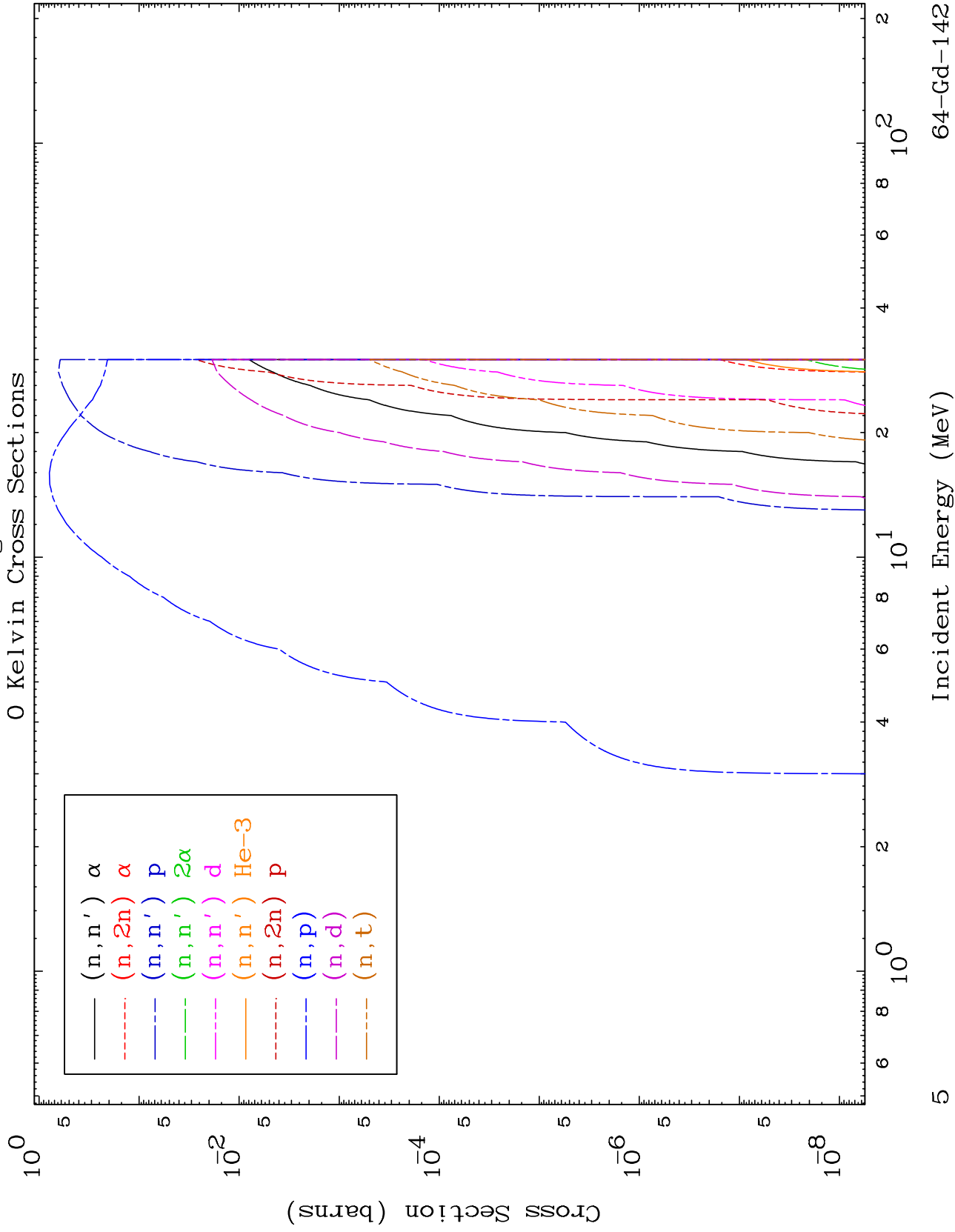
64-Gd-142



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Proton Charged Particle
0 Kelvin Cross Sections

64-Gd-142



5

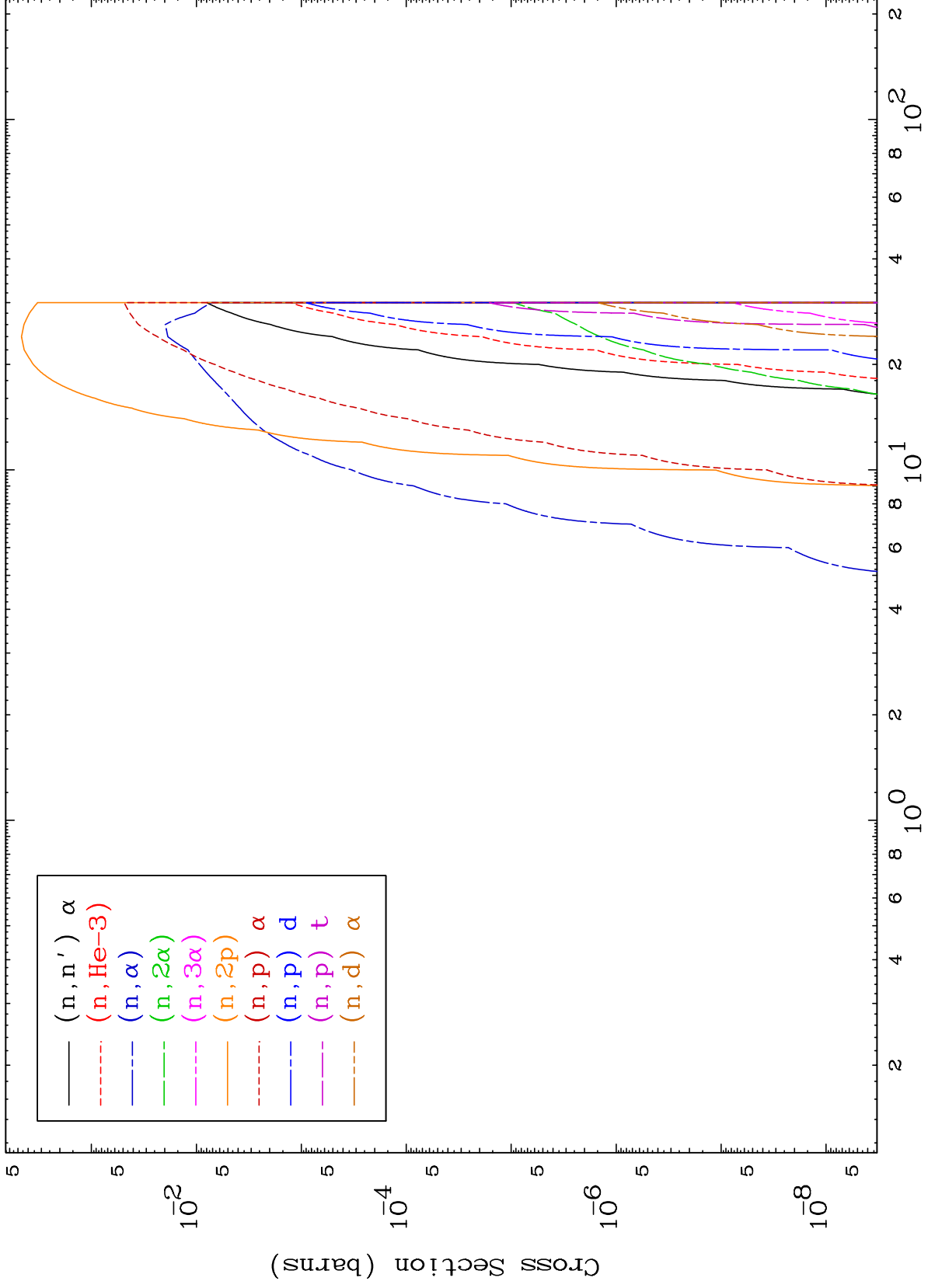
Incident Energy (MeV)

64-Gd-142

MAT 6395

Proton Charged Particle
0 Kelvin Cross Sections

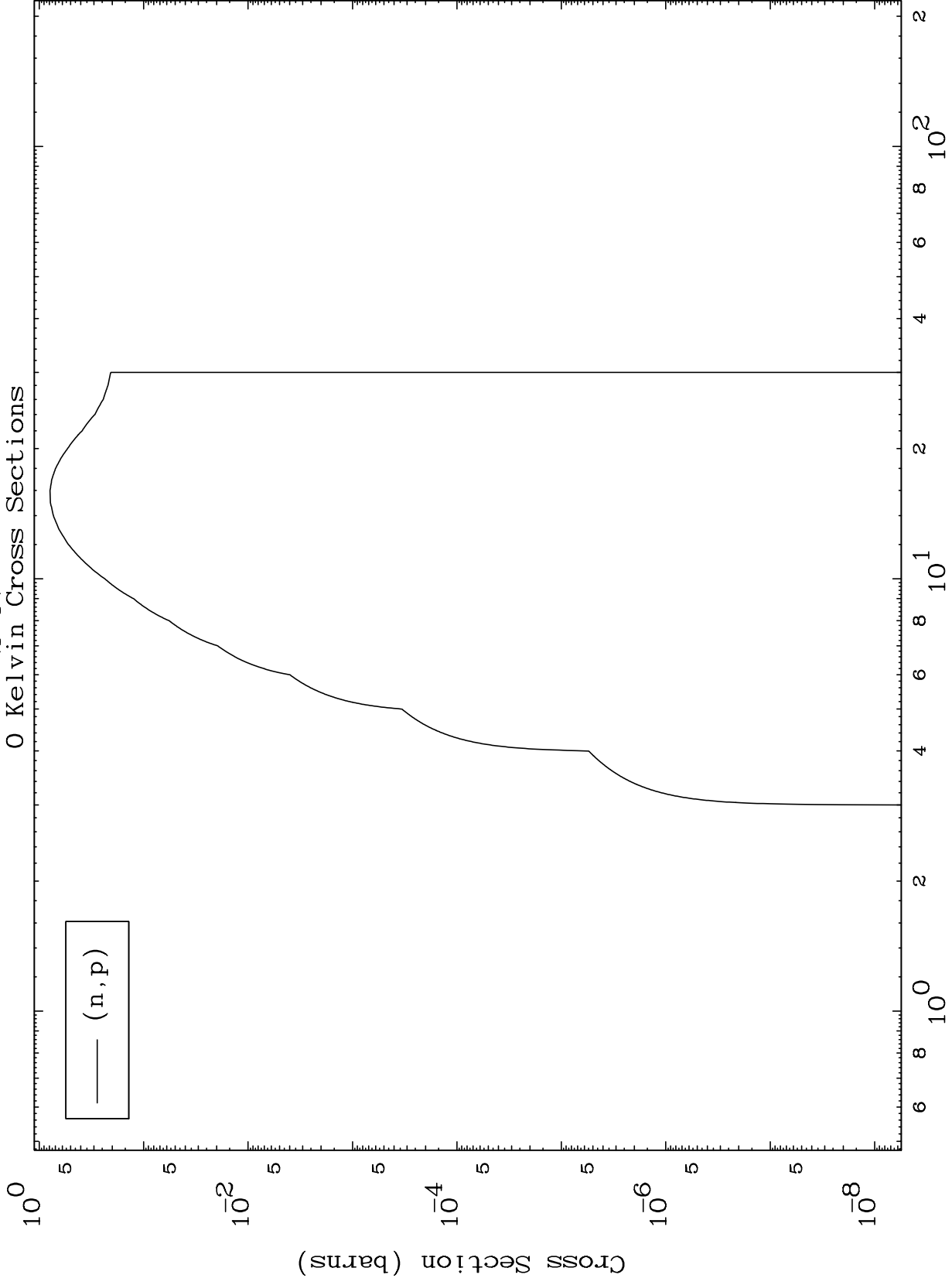
64-Gd-142



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(p,p) Levels

64-Gd-142



7

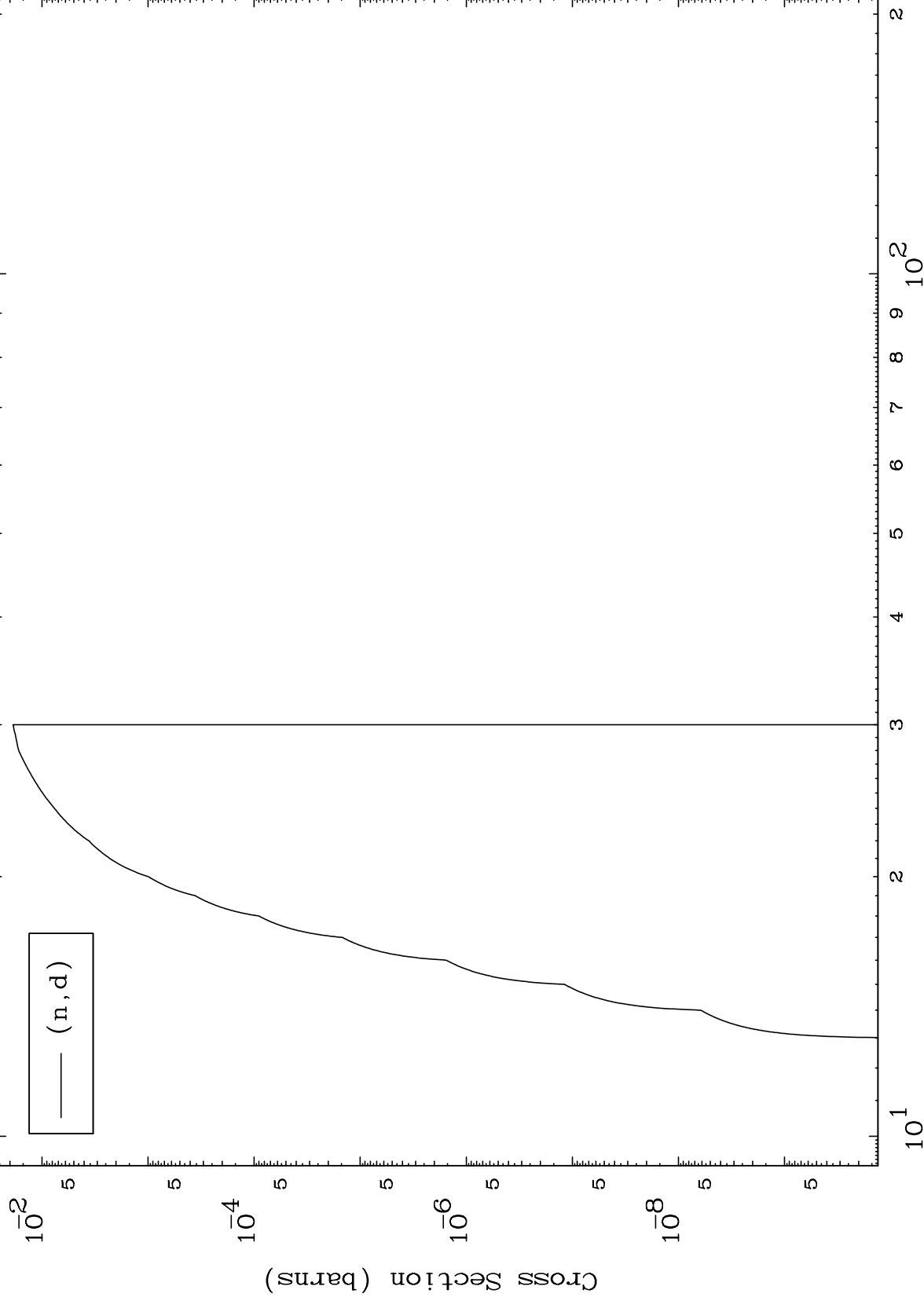
Incident Energy (MeV)

64-Gd-142

MAT 6395

(p,d) Levels
0 Kelvin Cross Sections

64-Gd-142



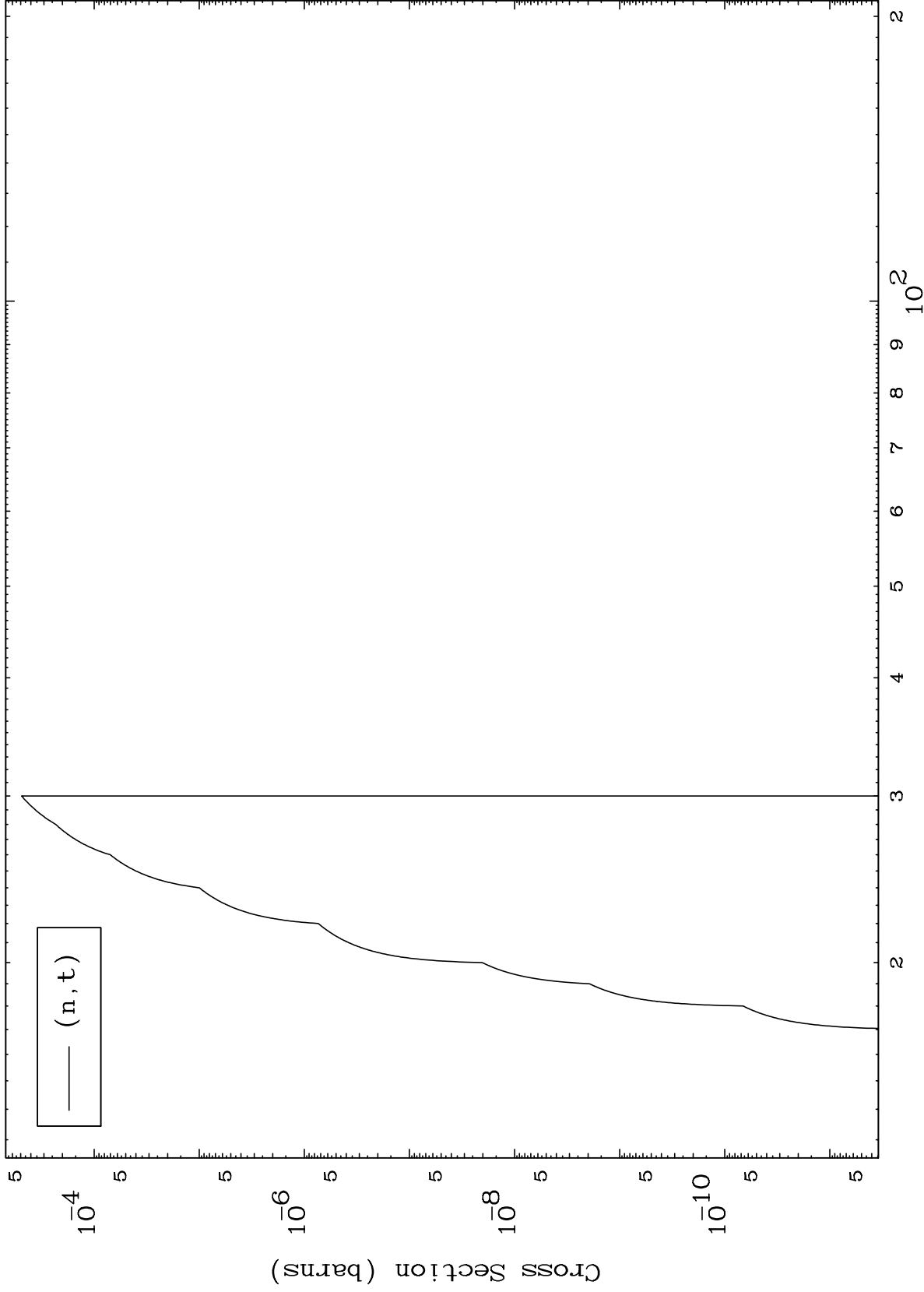
Incident Energy (MeV)

64-Gd-142

MAT 6395

(p,t) Levels
0 Kelvin Cross Sections

64-Gd-142



9

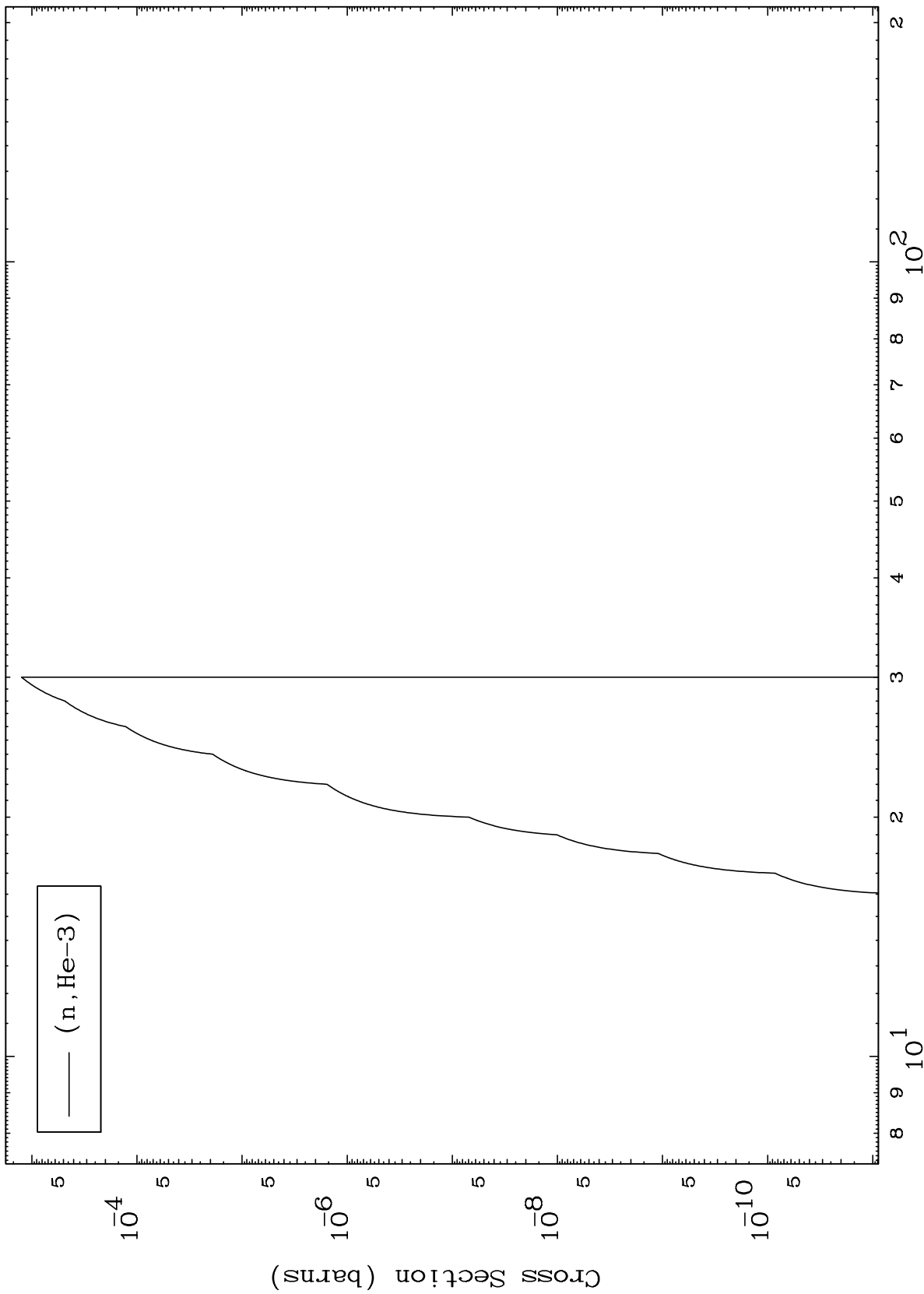
Incident Energy (MeV)

64-Gd-142

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64-Gd-142

(p,He3) Levels
0 Kelvin Cross Sections



64-Gd-142

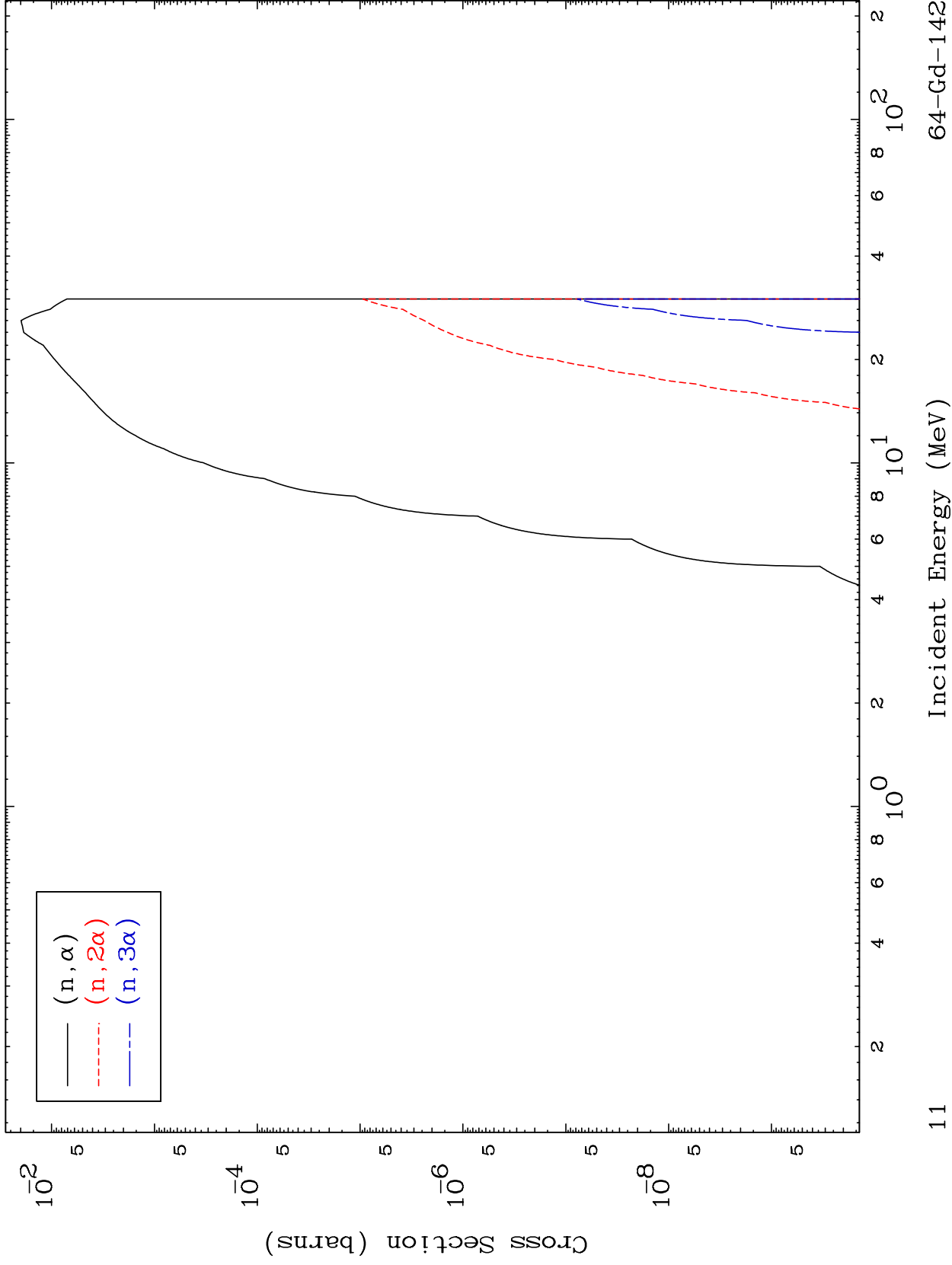
Incident Energy (MeV)

10

MAT 6395

(p, α) Levels
0 Kelvin Cross Sections

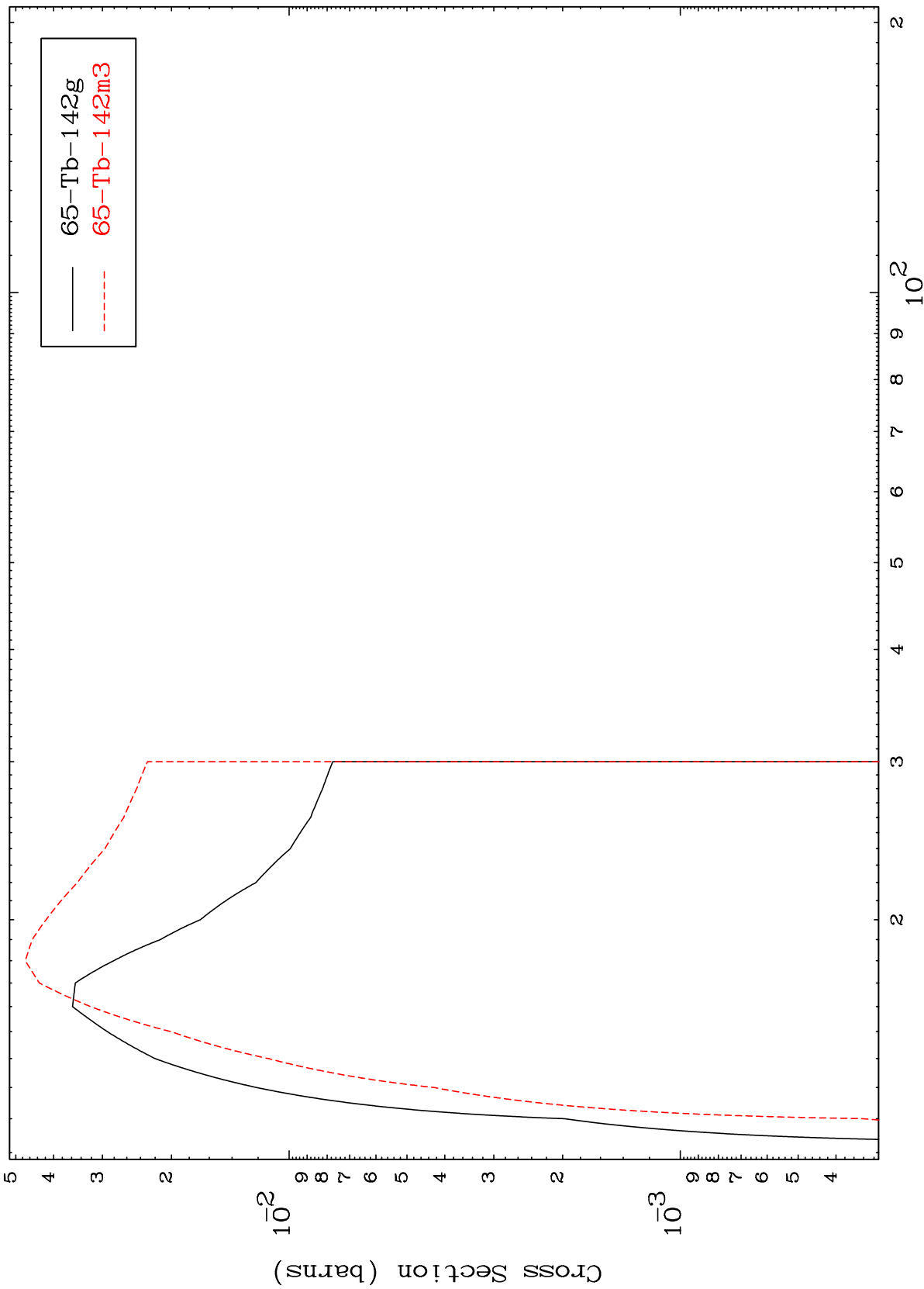
64-Gd-142



MAT 6395

64-Gd-142

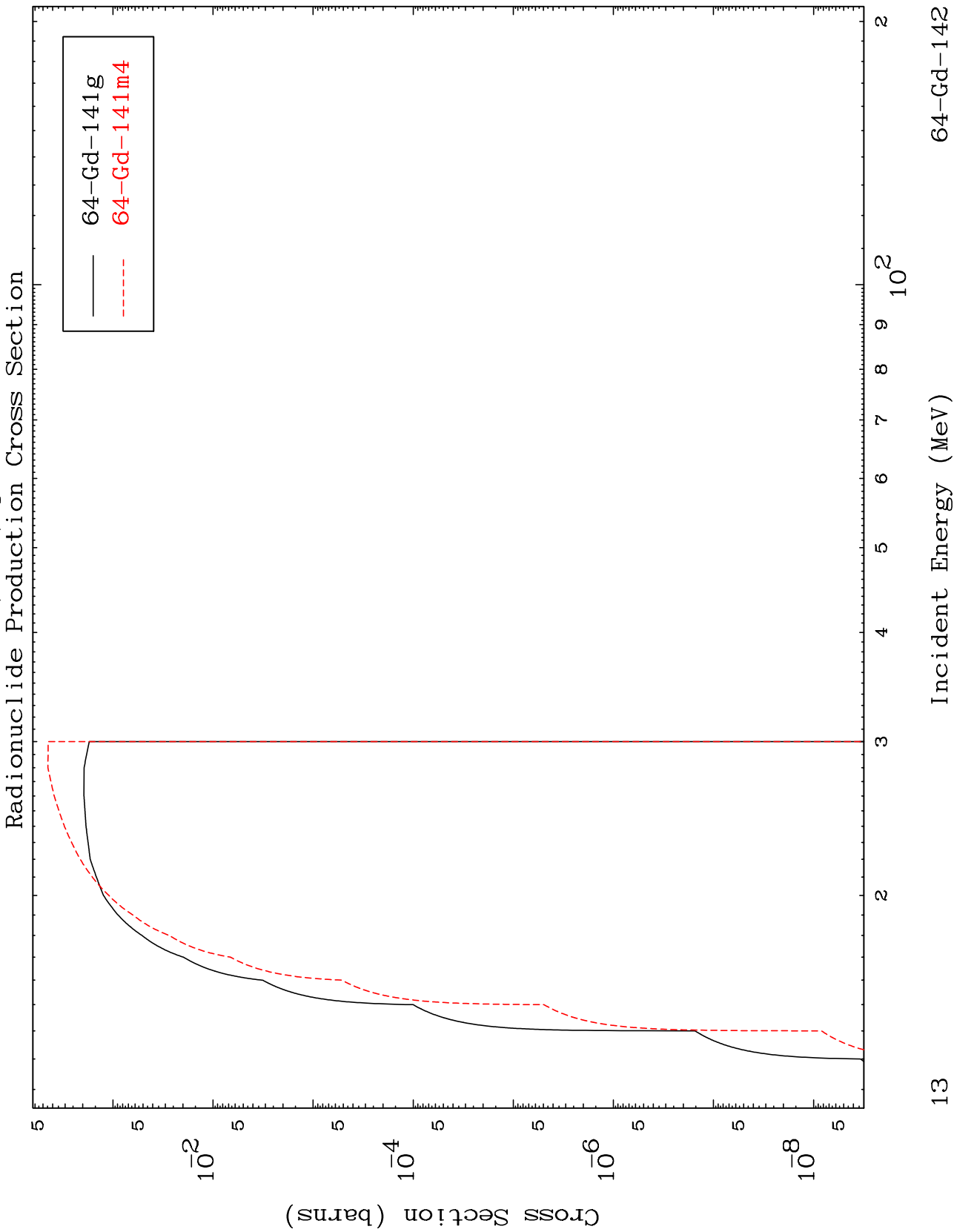
Inelastic
Radionuclide Production Cross Section



12

Incident Energy (MeV)

64-Gd-142

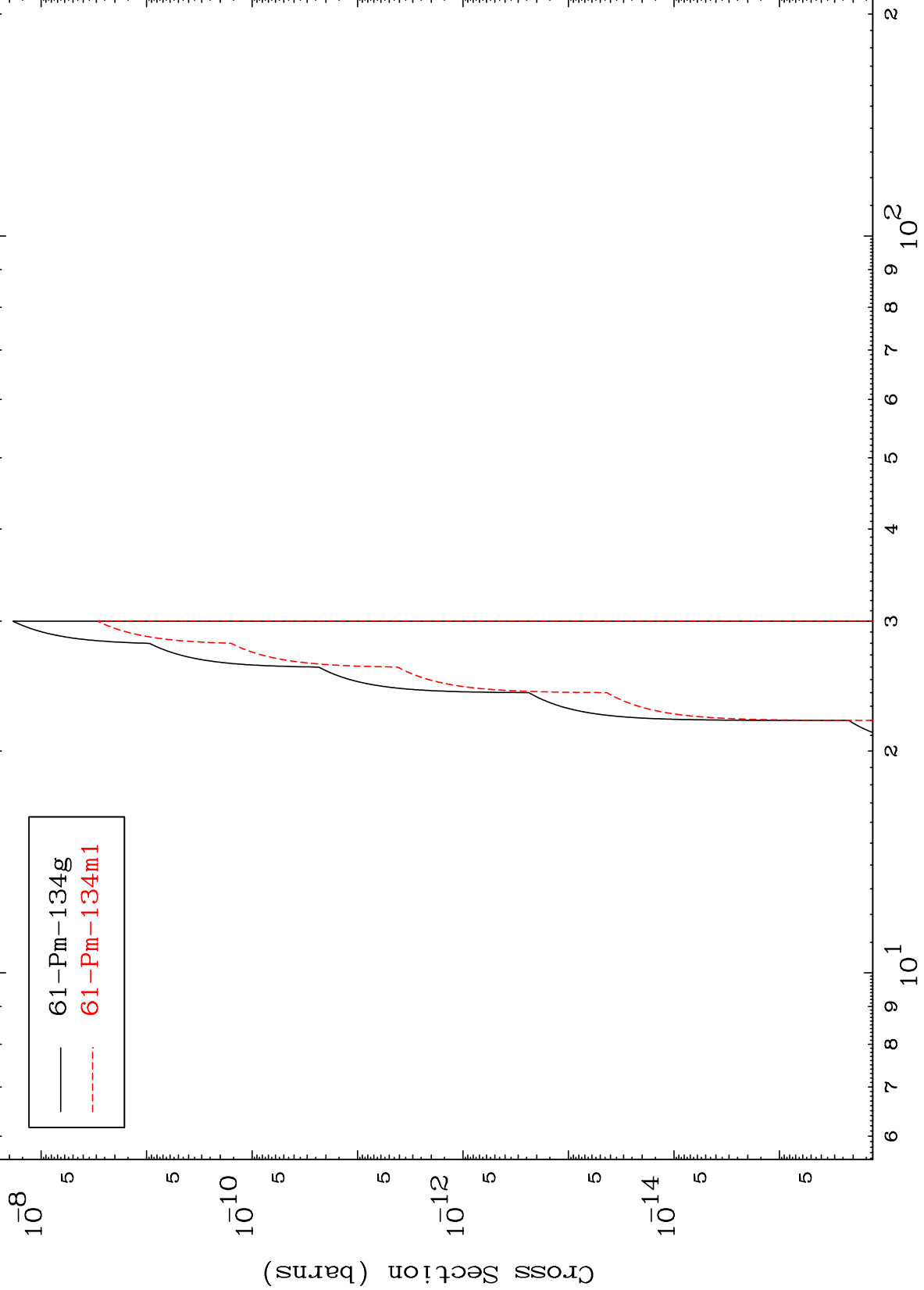


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(n,n') 2α

64-Gd-142

Radionuclide Production Cross Section



14

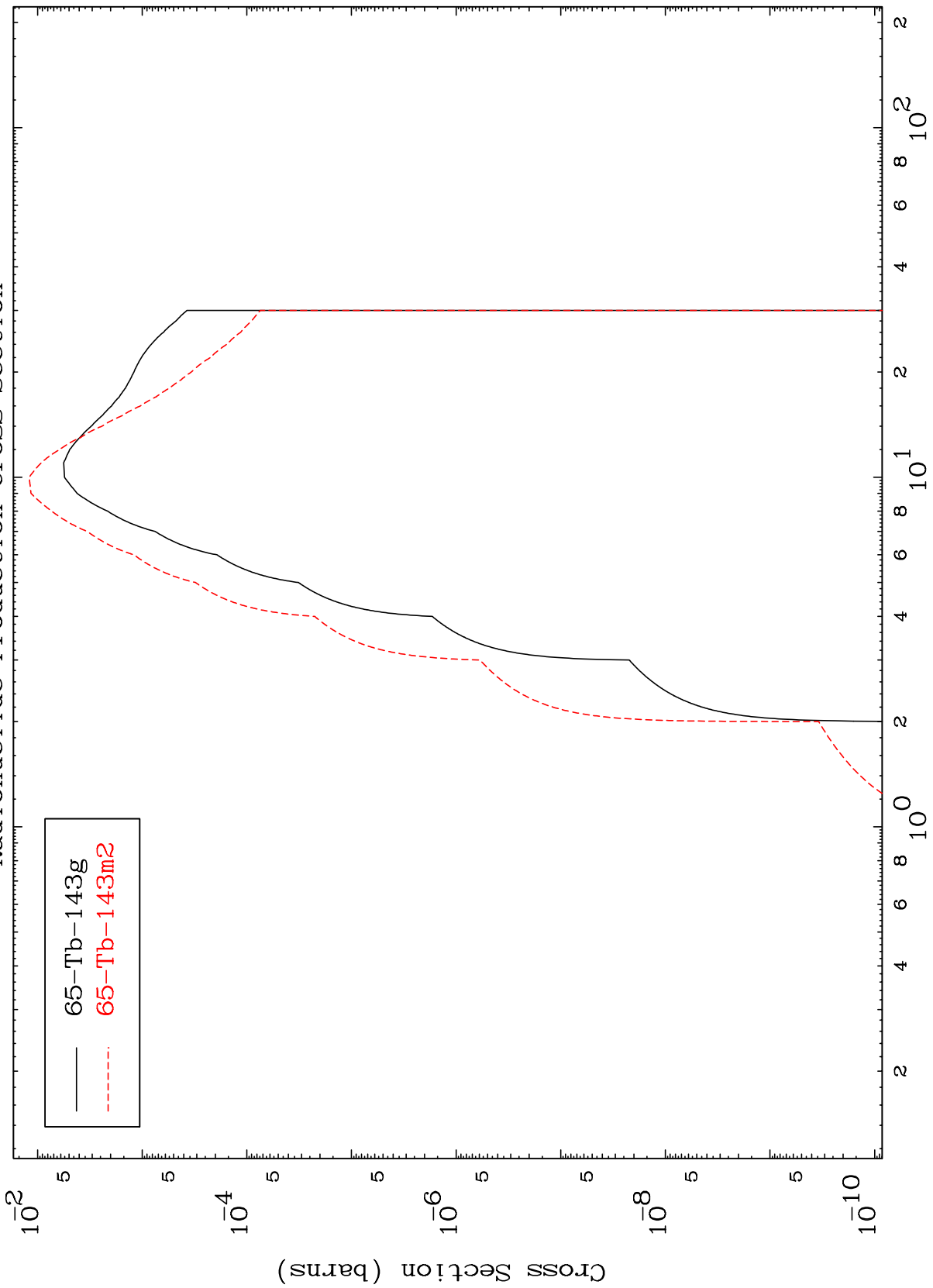
Incident Energy (MeV)

64-Gd-142

MAT 6395

64-Gd-142

(n, γ)
Radionuclide Production Cross Section



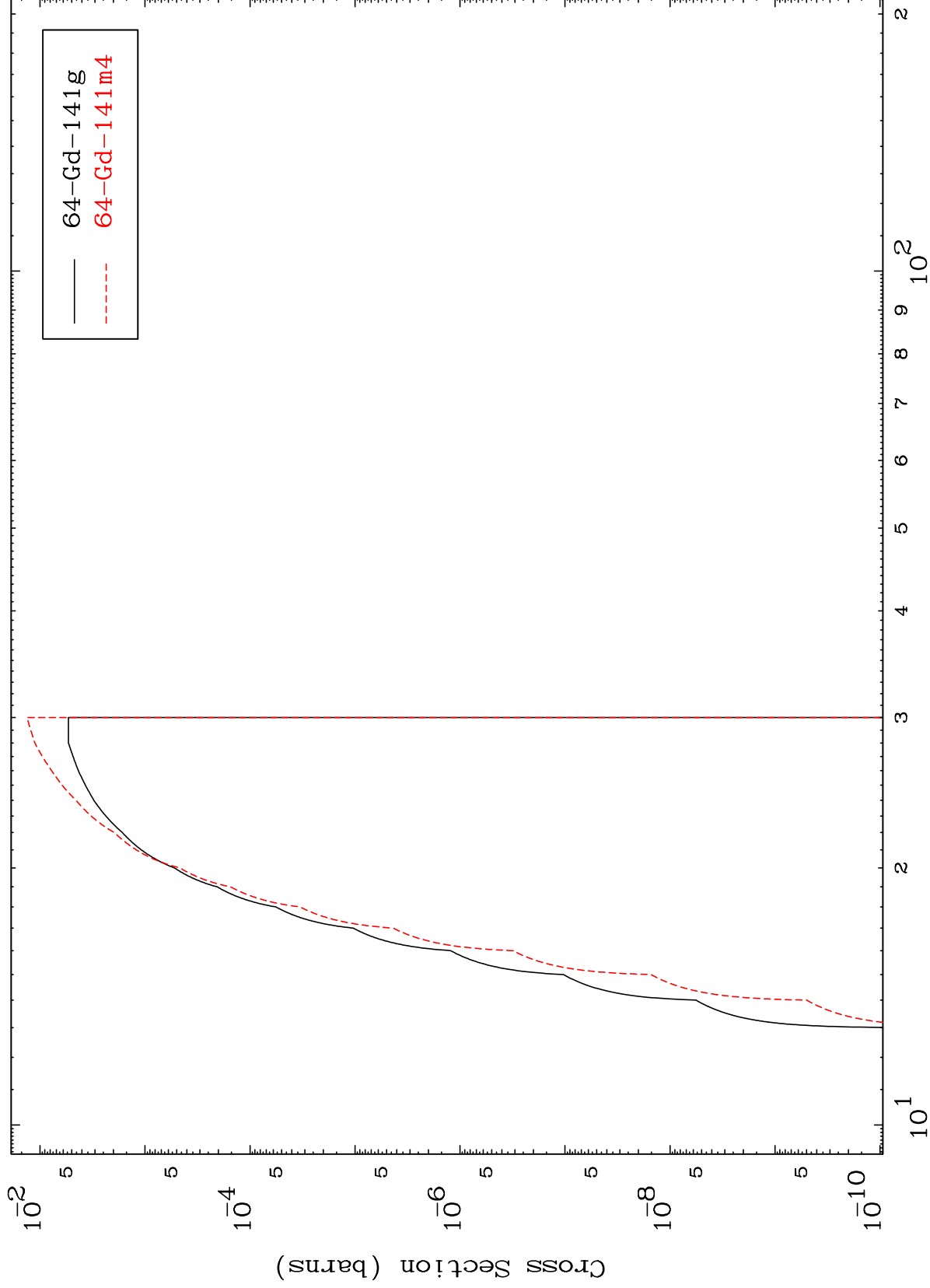
— 65-Tb-143g
- - - 65-Tb-143m2

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(n,d)

64-Gd-142

Radionuclide Production Cross Section



Incident Energy (MeV)

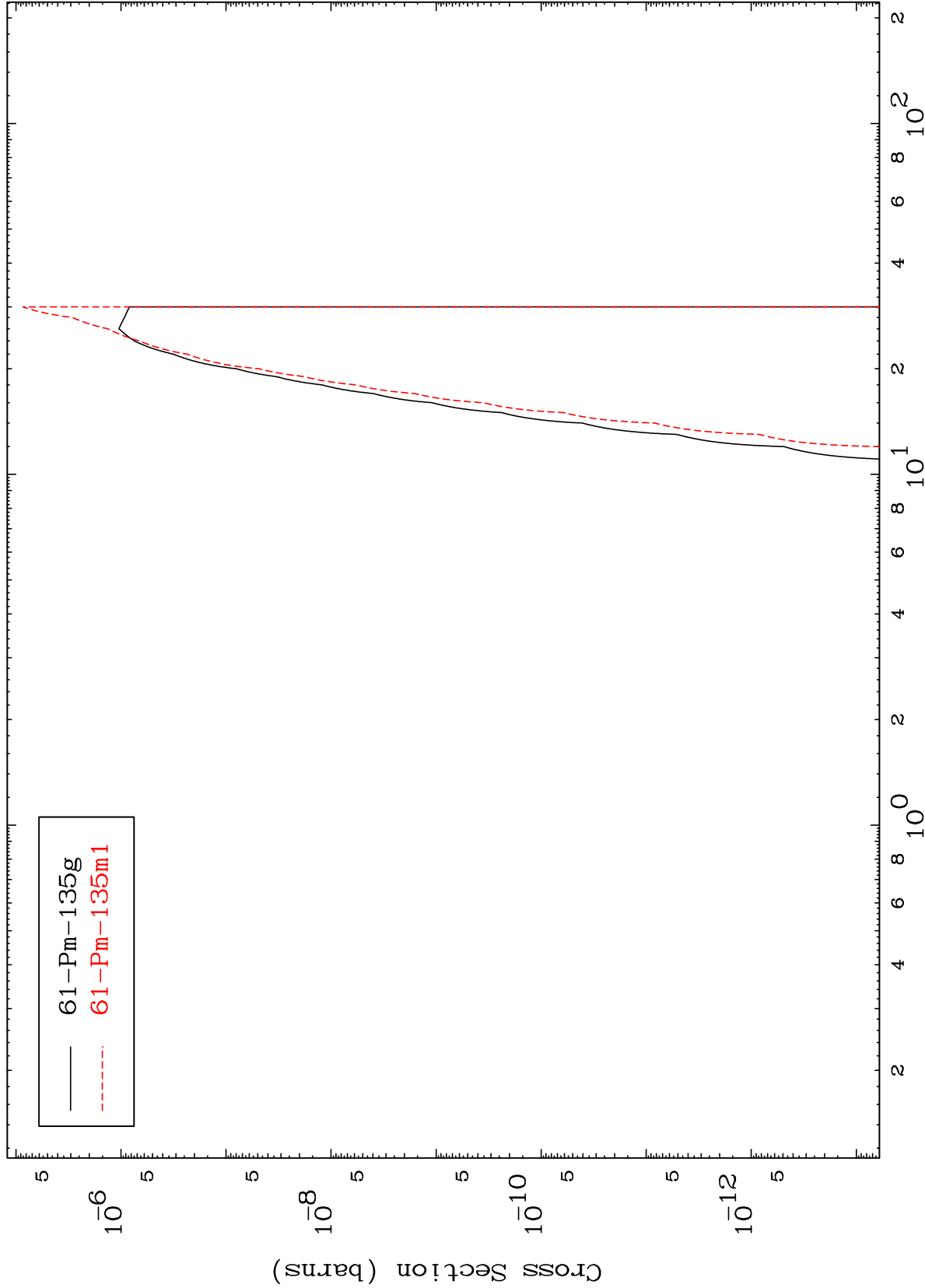
64-Gd-142

MAT 6395

(n,2α)

64-Gd-142

Radionuclide Production Cross Section

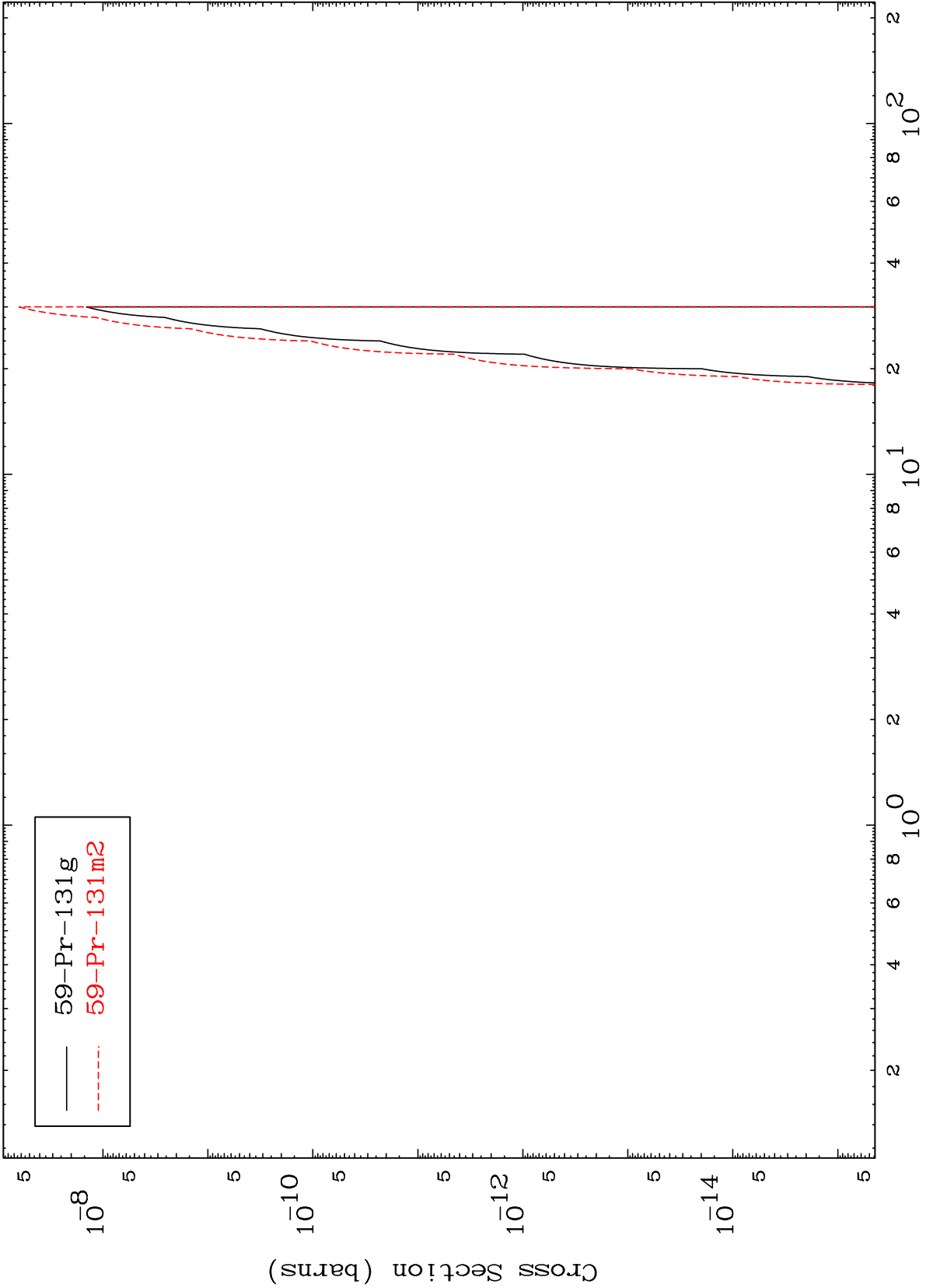


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(n, 3α)

64-Gd-142

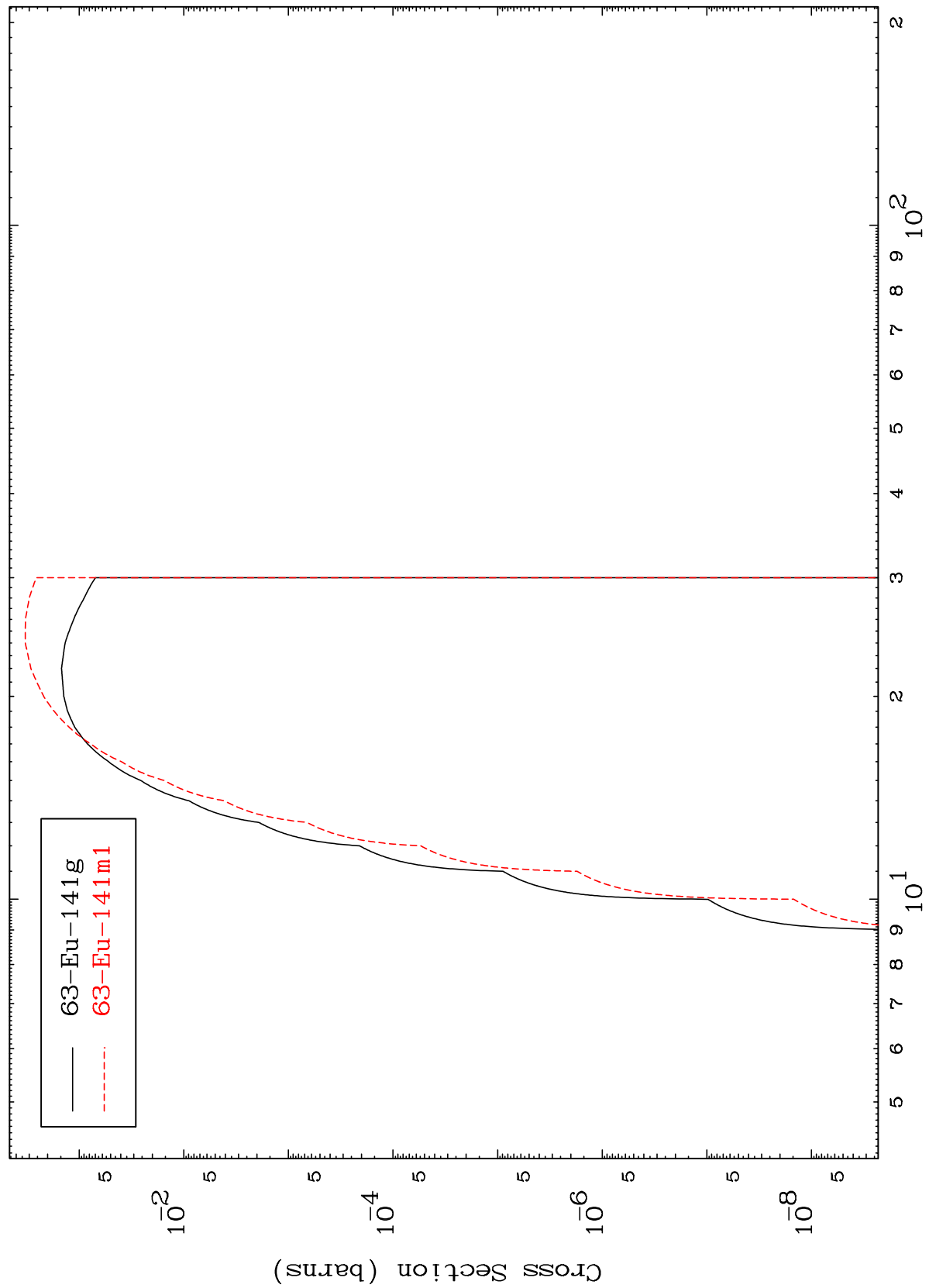
Radionuclide Production Cross Section



MAT 6395

64-Gd-142

(n,2p)
Radionuclide Production Cross Section



19

Incident Energy (MeV)

64-Gd-142