

Program EVALPLOT
(Version 2021-1)

by

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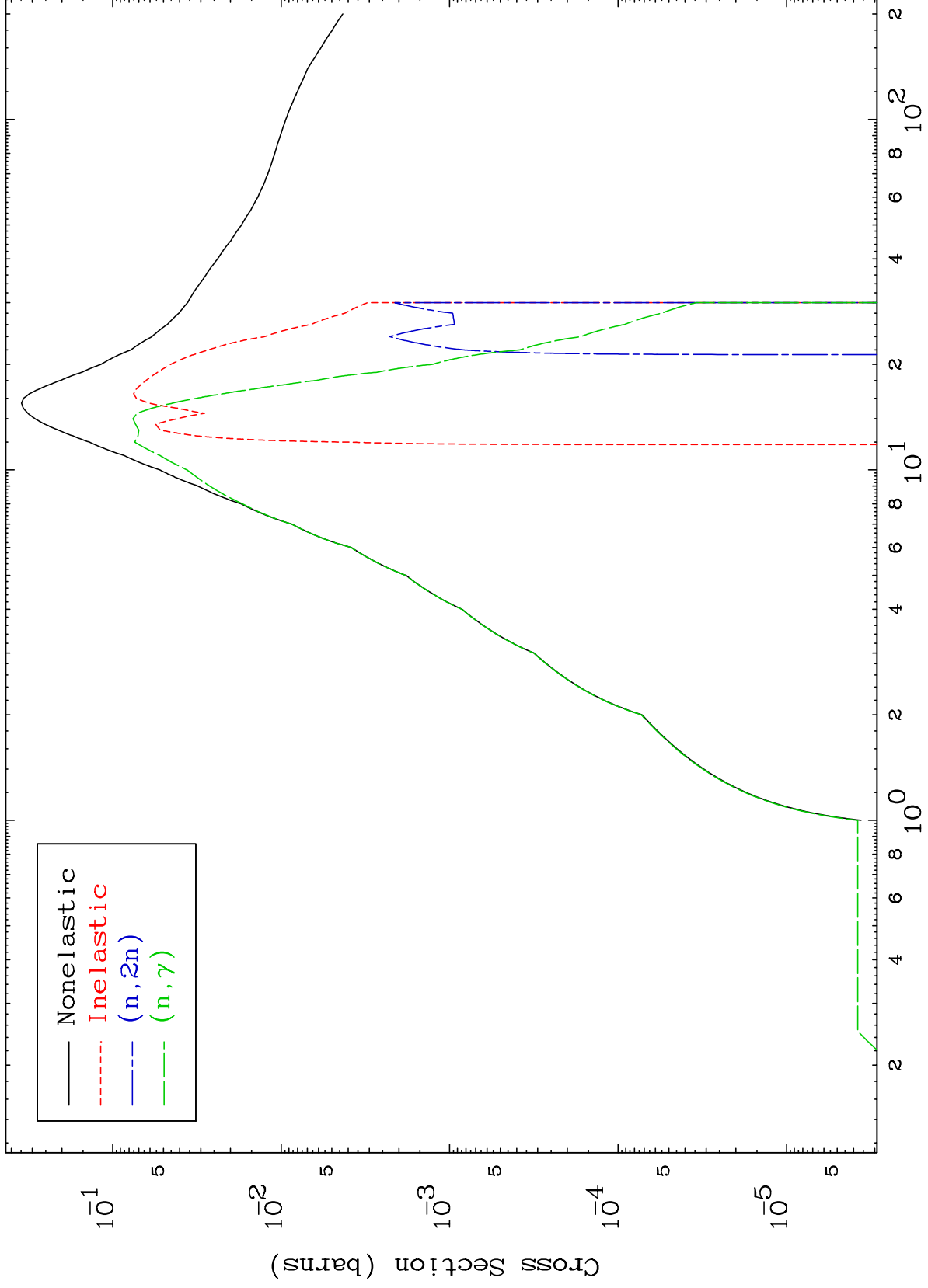
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

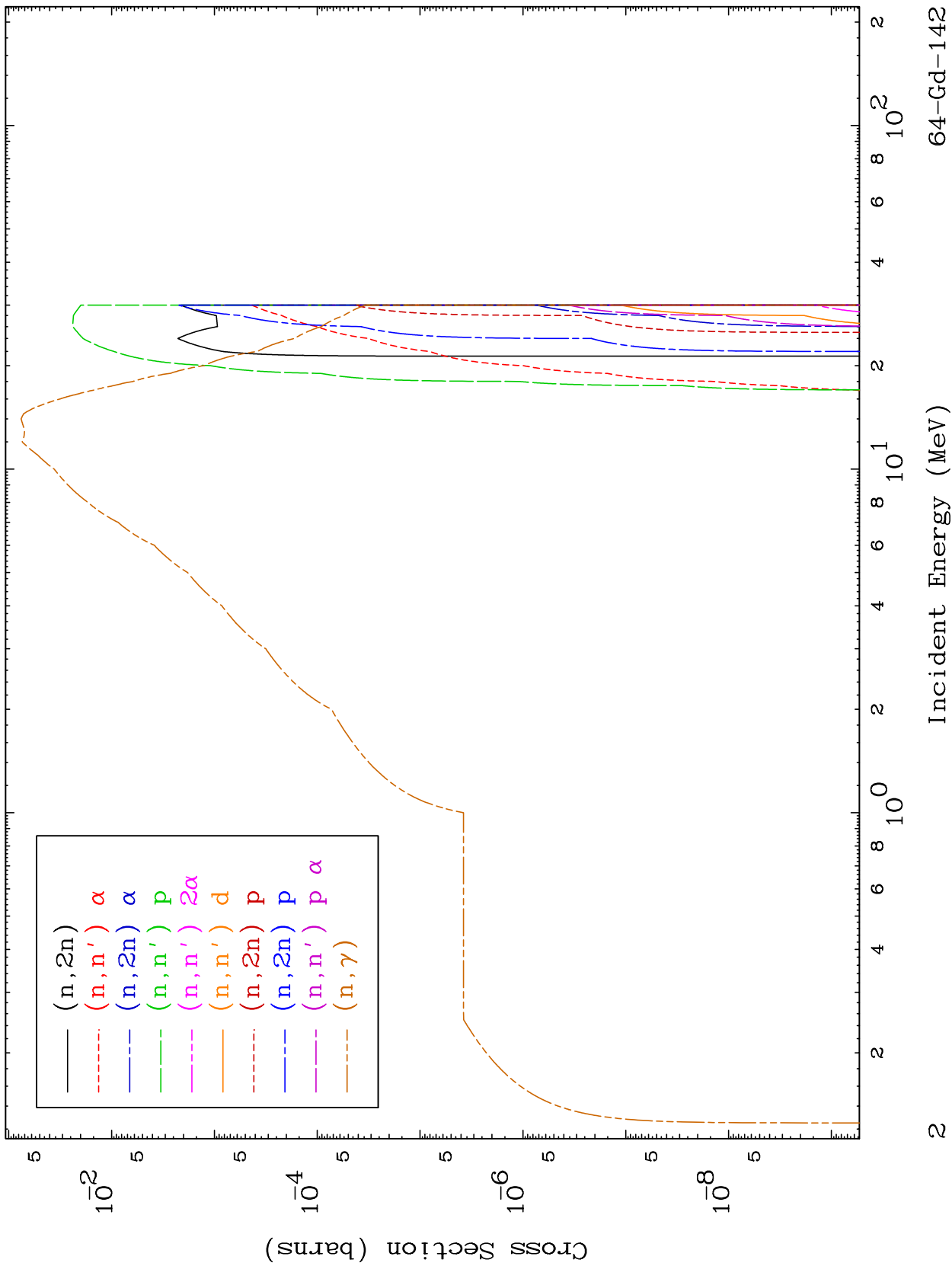
MAT 6395

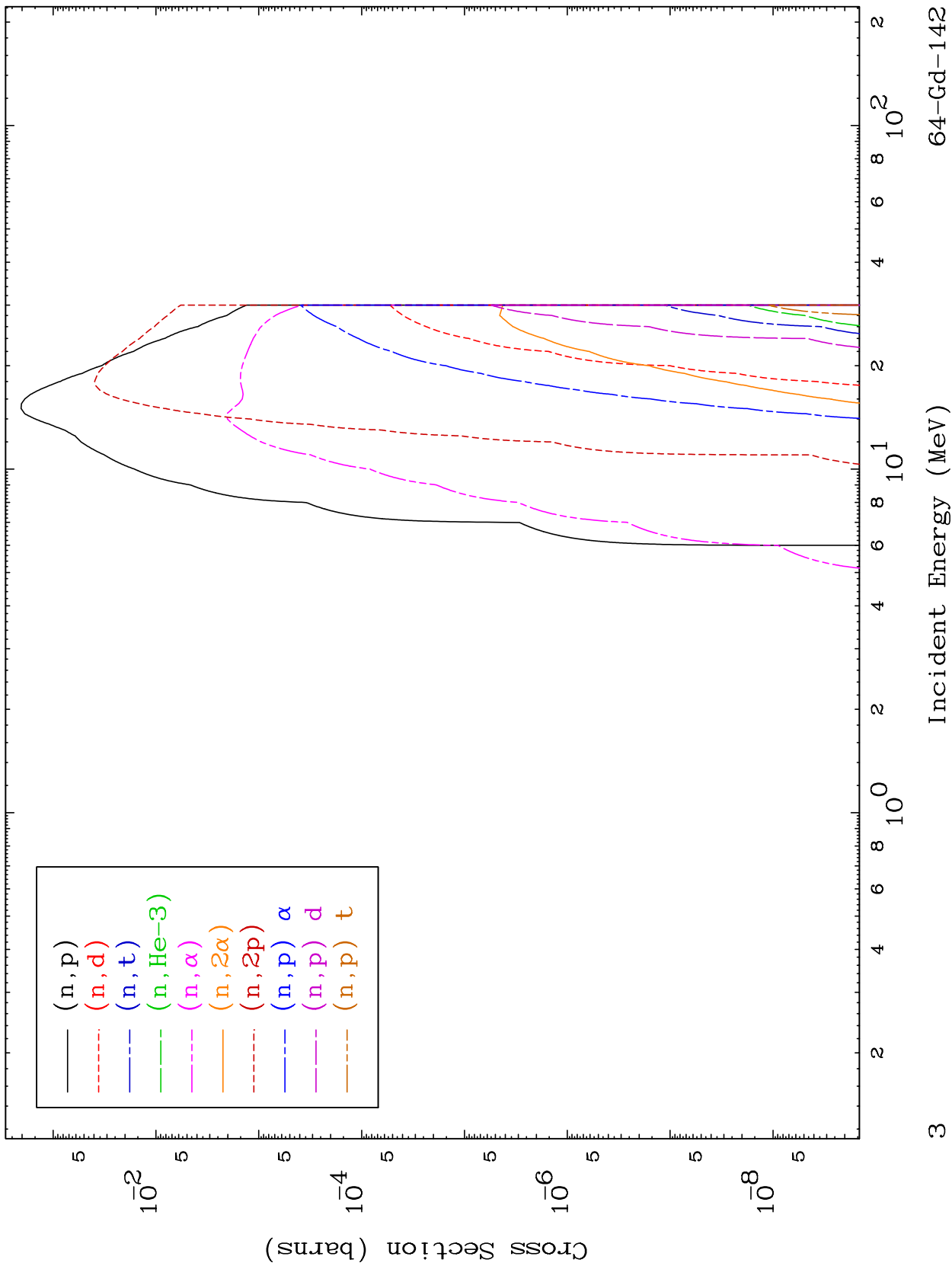
Photon Major
0 Kelvin Cross Sections

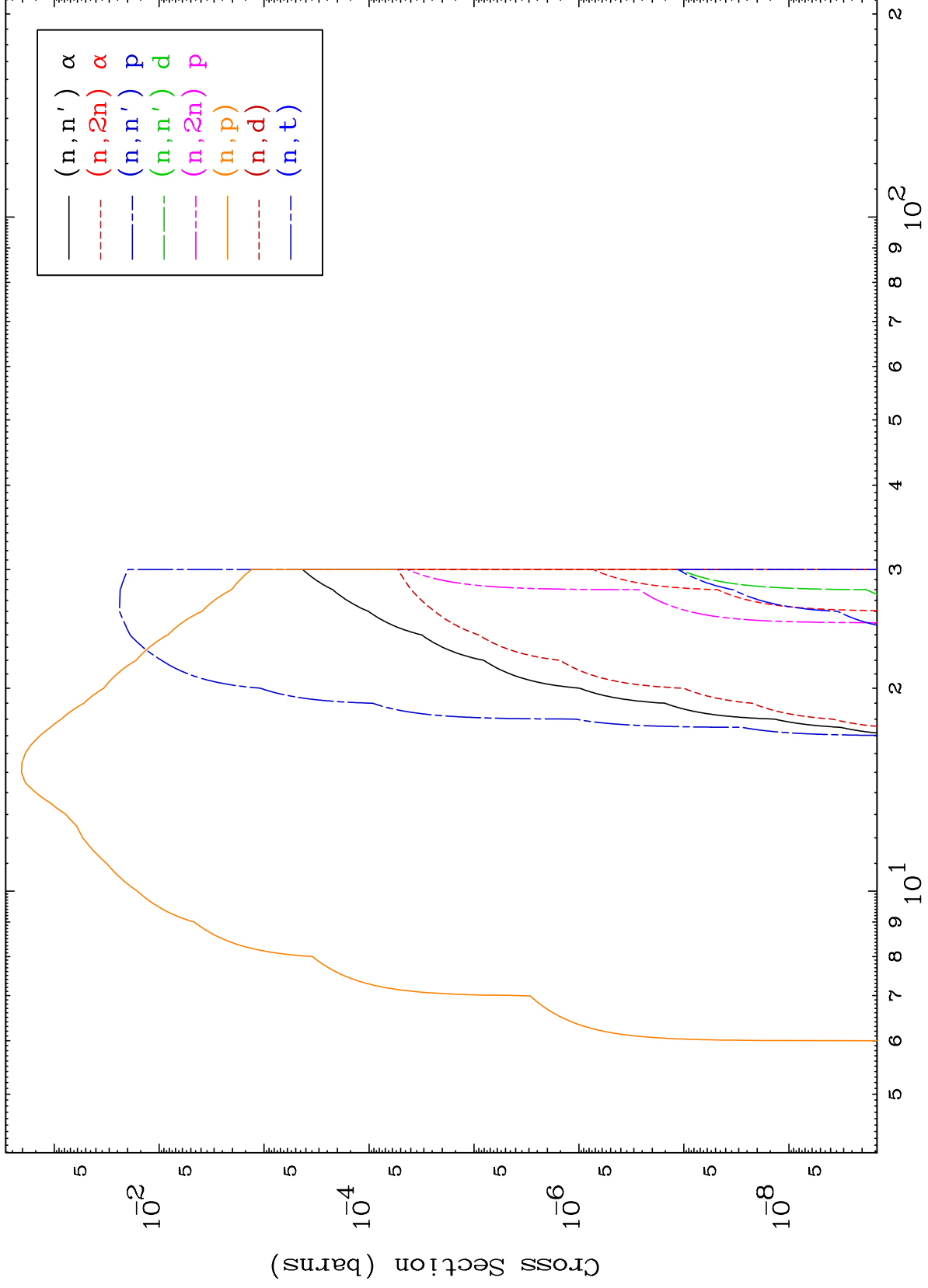
64-Gd-142

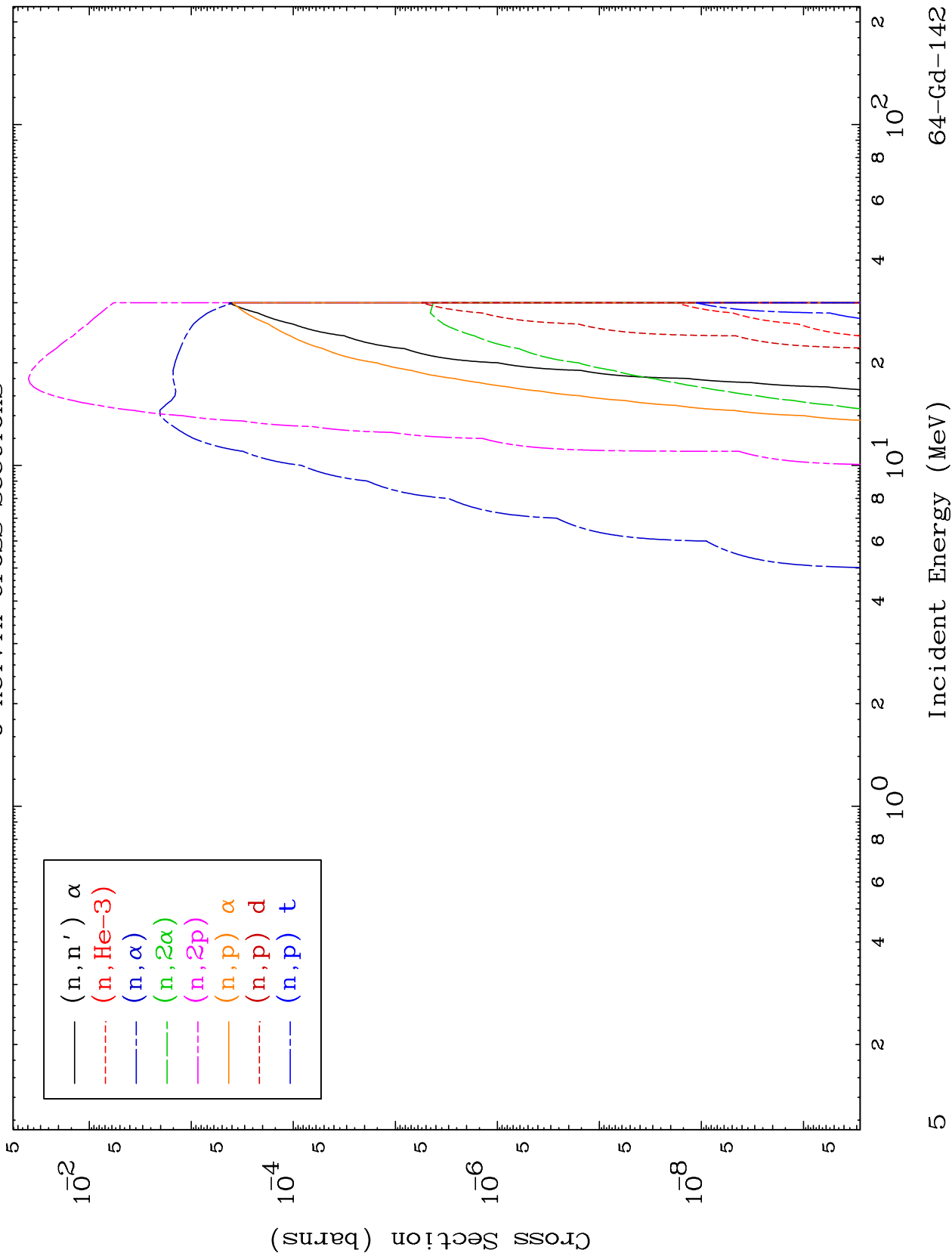


Legend:
— Nonelastic
- - - Inelastic
- . - (n, 2n)
- - - (n, γ)







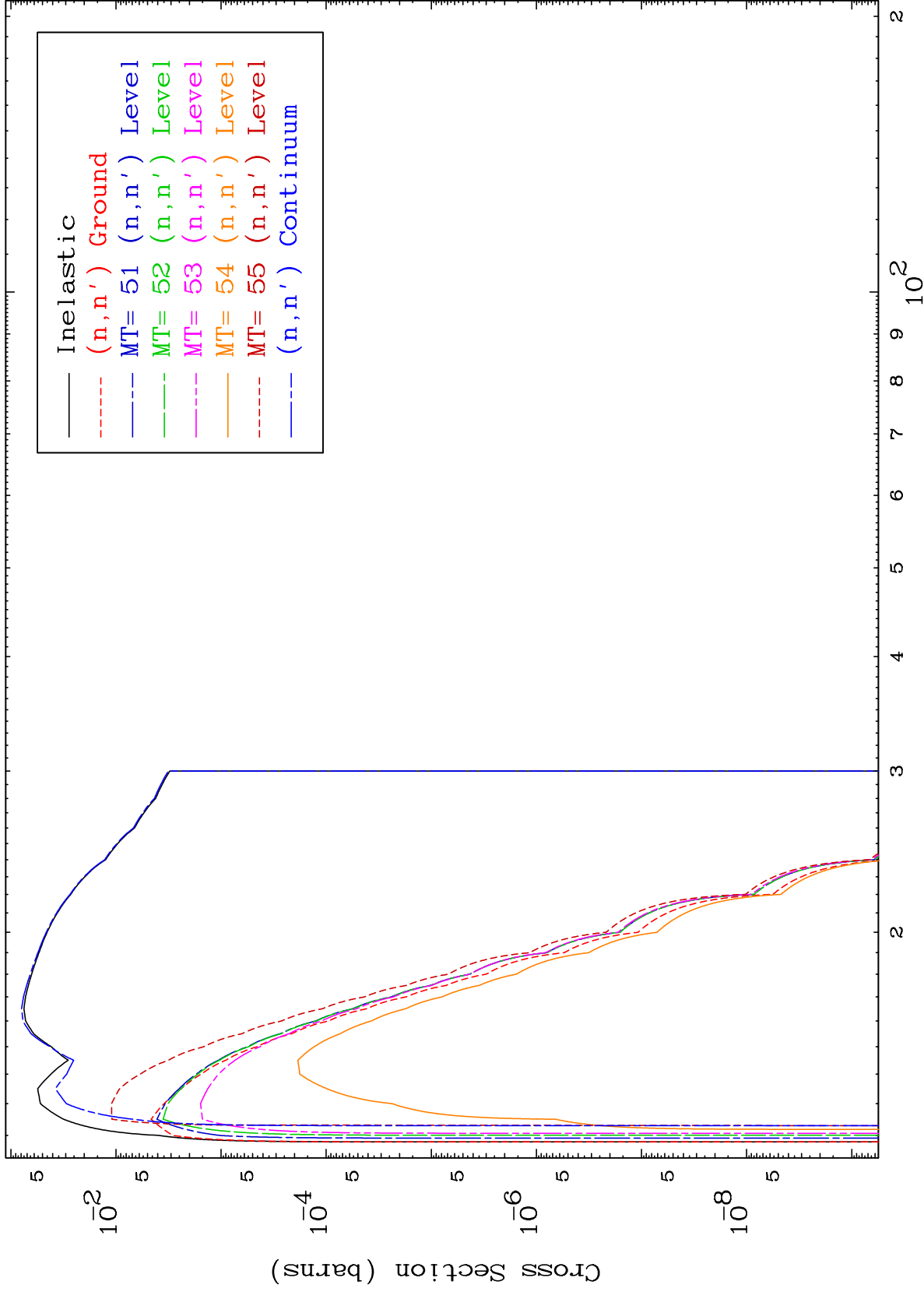


MAT 6395

(γ, n') Levels

64-Gd-142

0 Kelvin Cross Sections



Incident Energy (MeV)

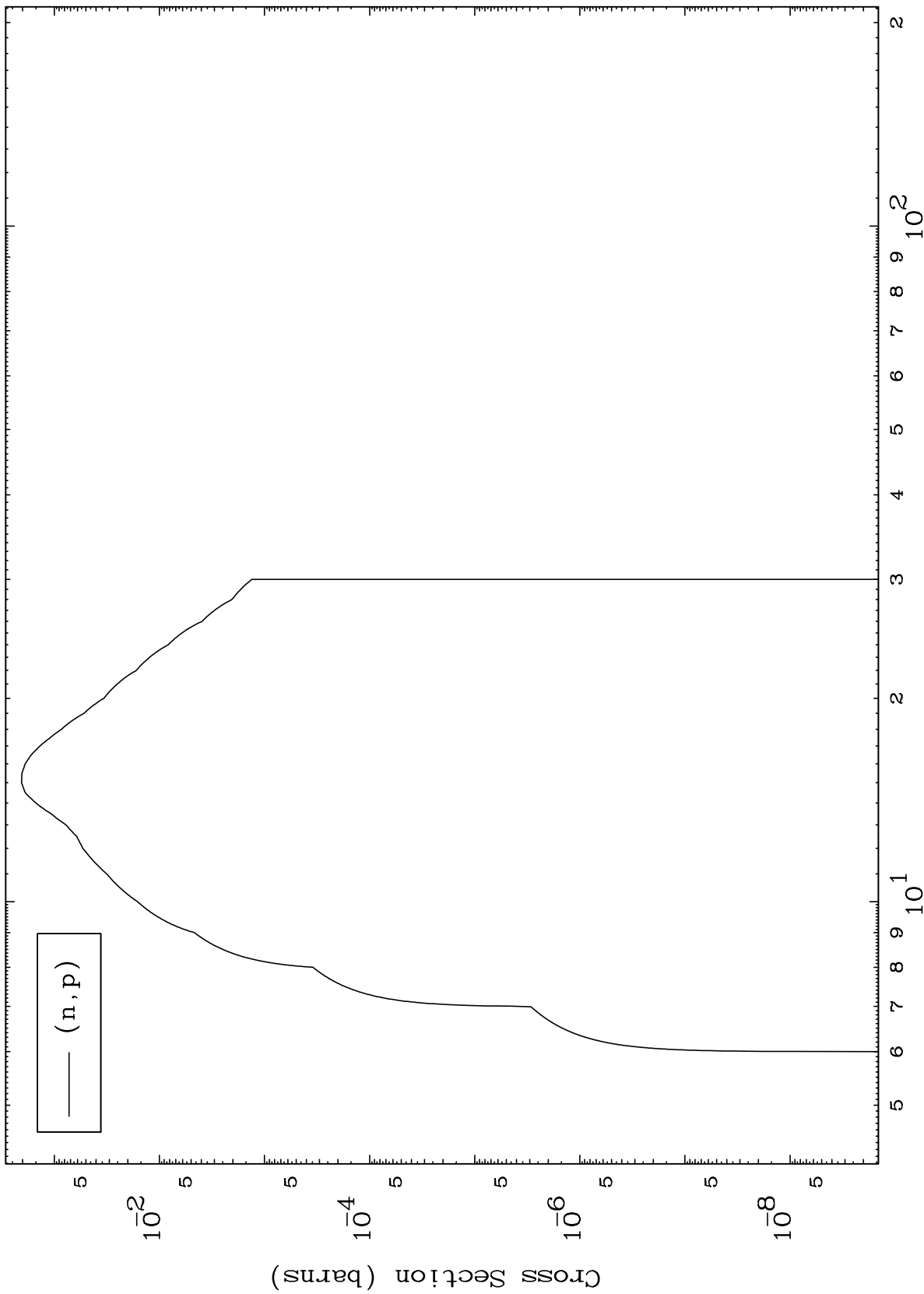
64-Gd-142

6

MAT 6395

64-Gd-142

(γ, p) Levels
0 Kelvin Cross Sections



7

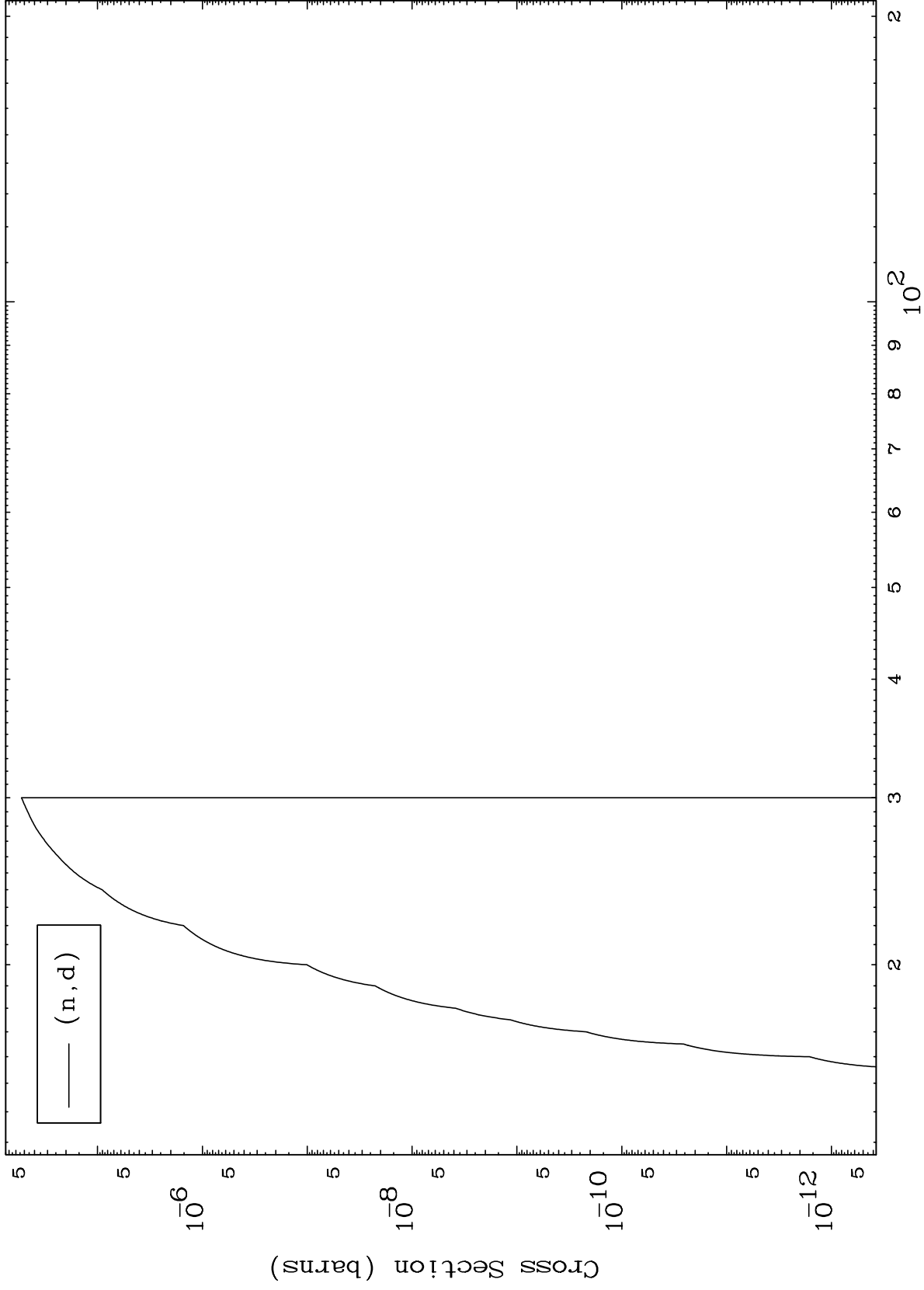
Incident Energy (MeV)

64-Gd-142

MAT 6395

(γ, d) Levels
0 Kelvin Cross Sections

64-Gd-142



8

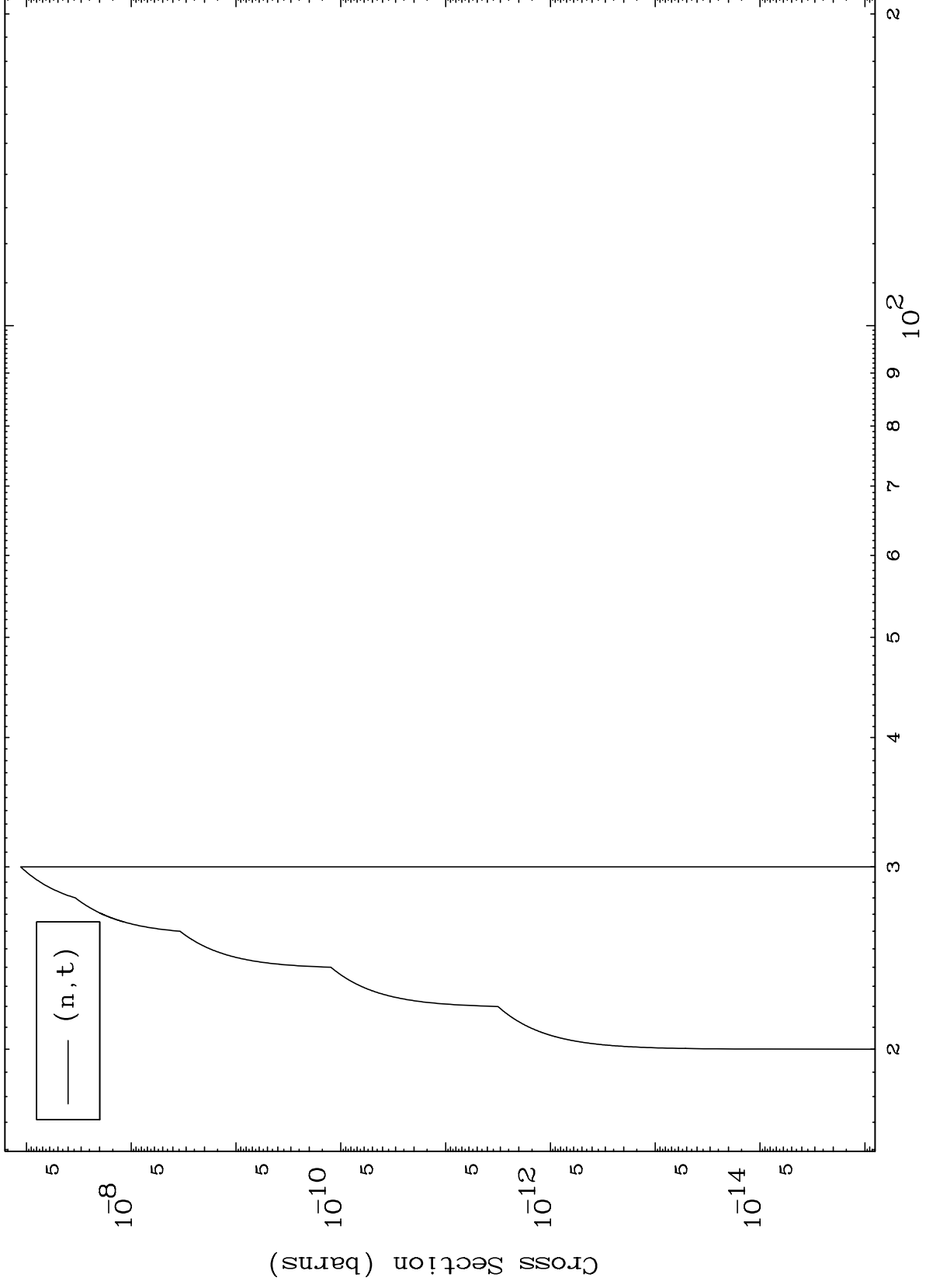
Incident Energy (MeV)

64-Gd-142

MAT 6395

(γ, t) Levels
0 Kelvin Cross Sections

64-Gd-142



9

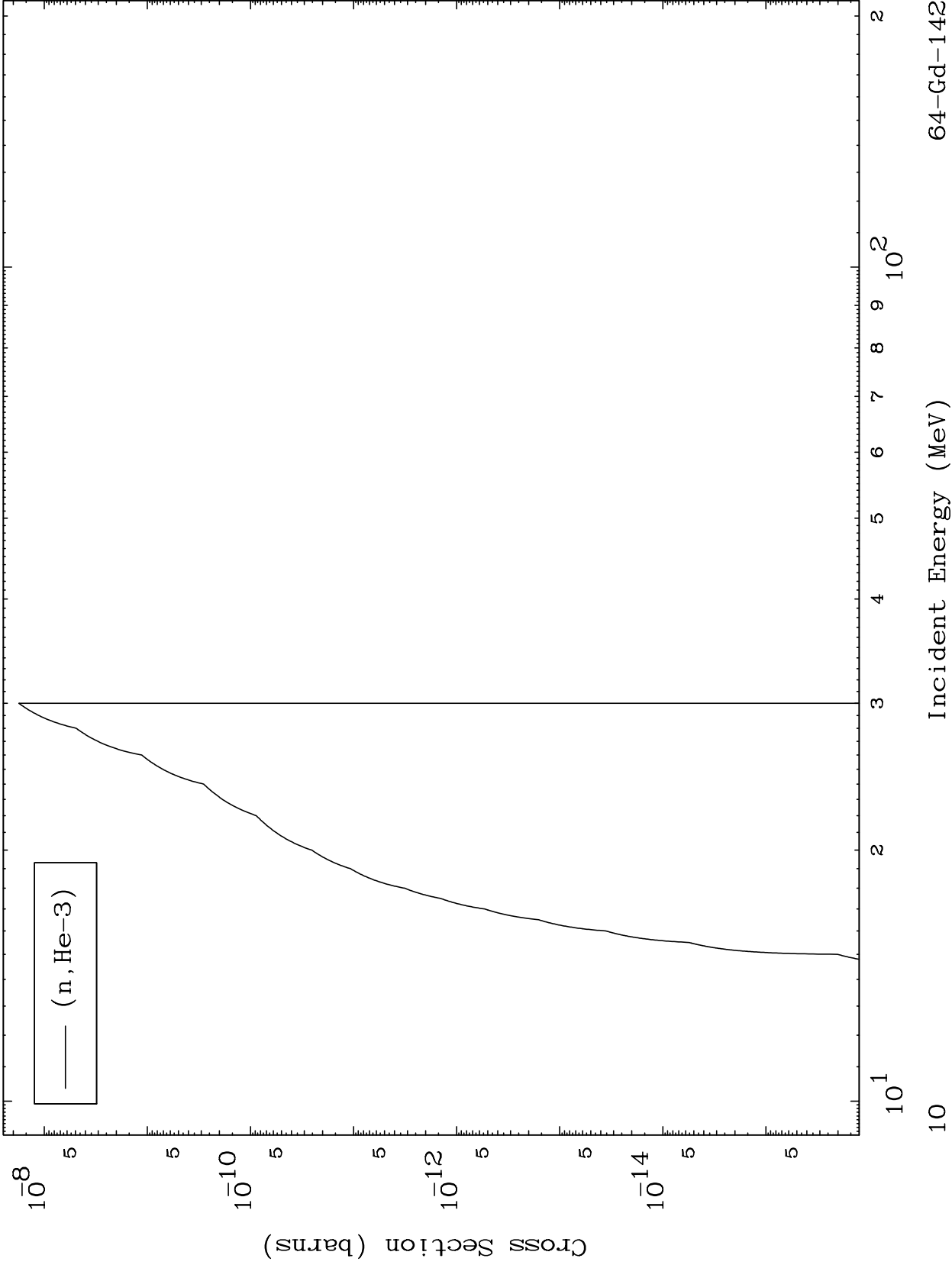
Incident Energy (MeV)

64-Gd-142

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($\gamma, \text{He}3$) Levels
0 Kelvin Cross Sections

64-Gd-142



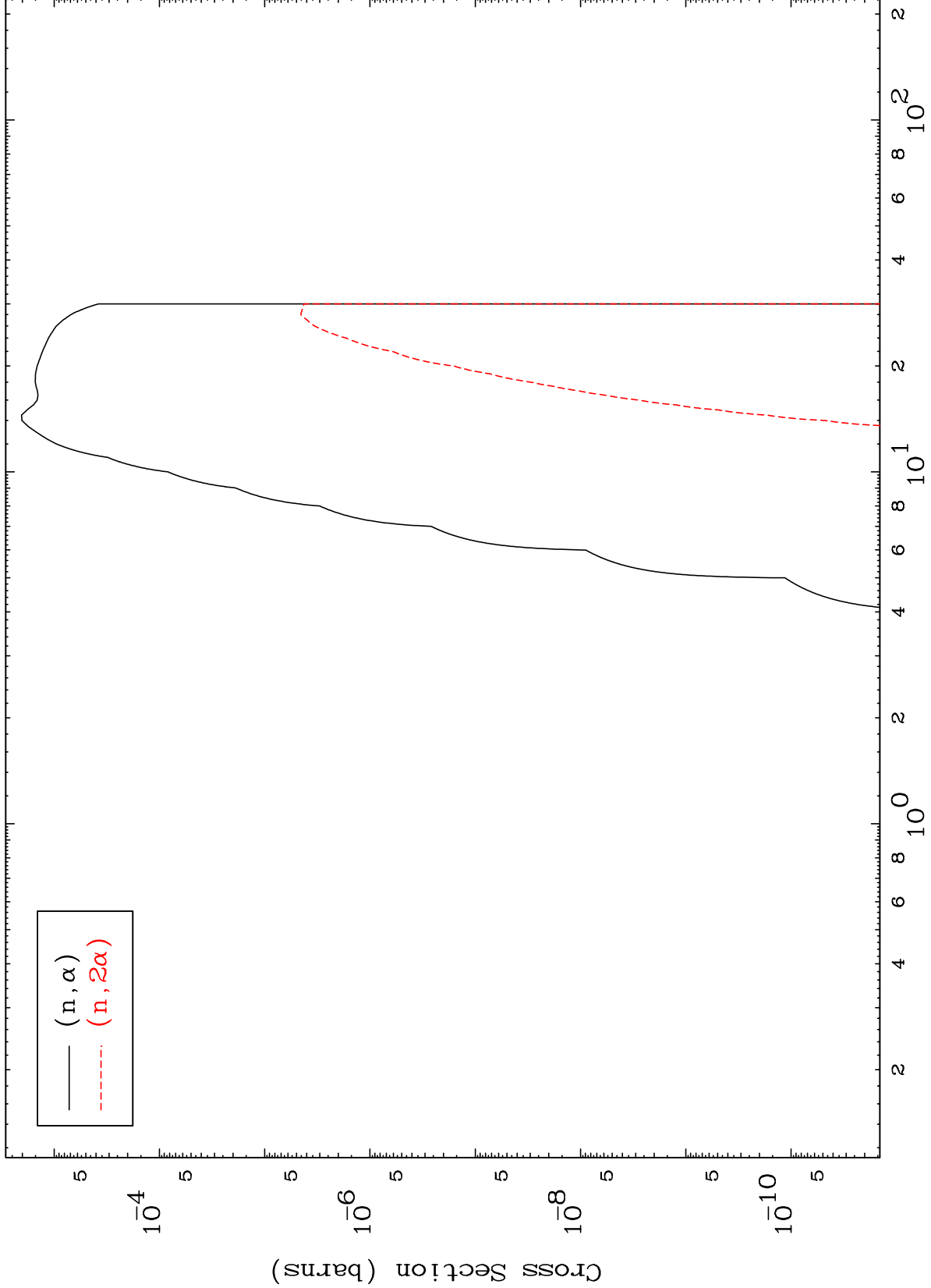
64-Gd-142

MAT 6395

(γ, α) Levels

64-Gd-142

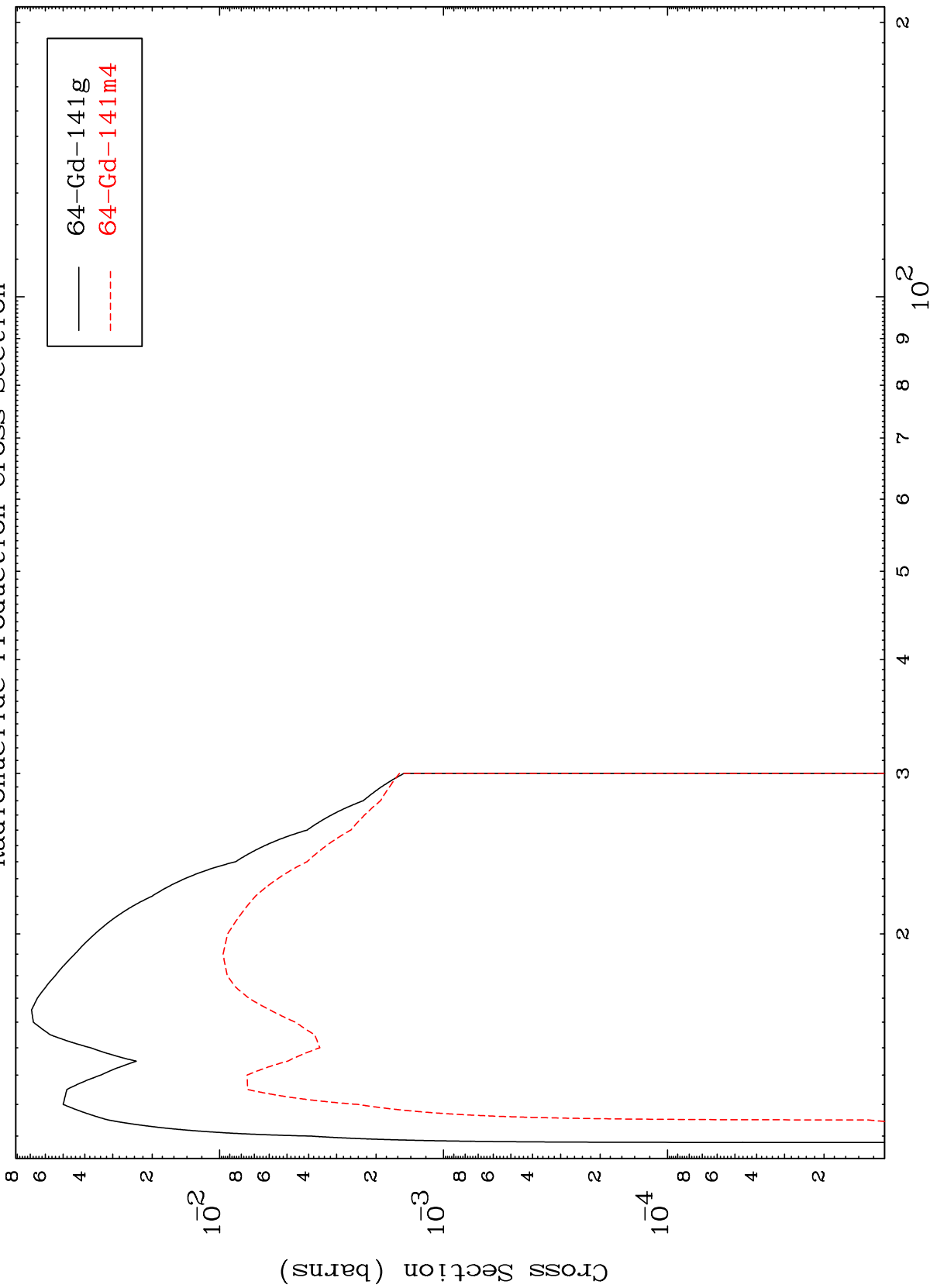
0 Kelvin Cross Sections



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64-Gd-142

Inelastic
Radionuclide Production Cross Section



12

Incident Energy (MeV)

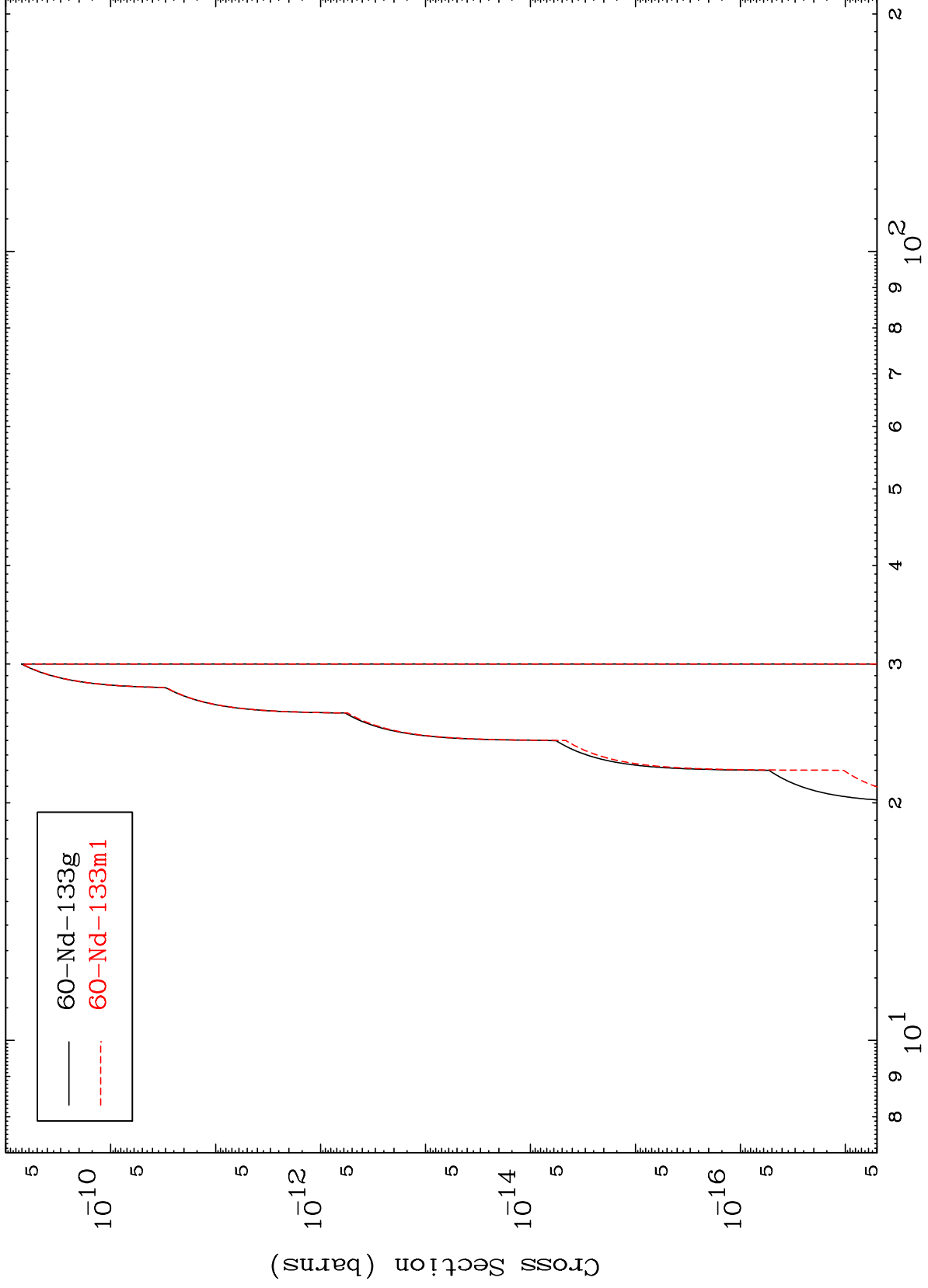
64-Gd-142

MAT 6395

(n,n') 2α

64-Gd-142

Radionuclide Production Cross Section



13

Incident Energy (MeV)

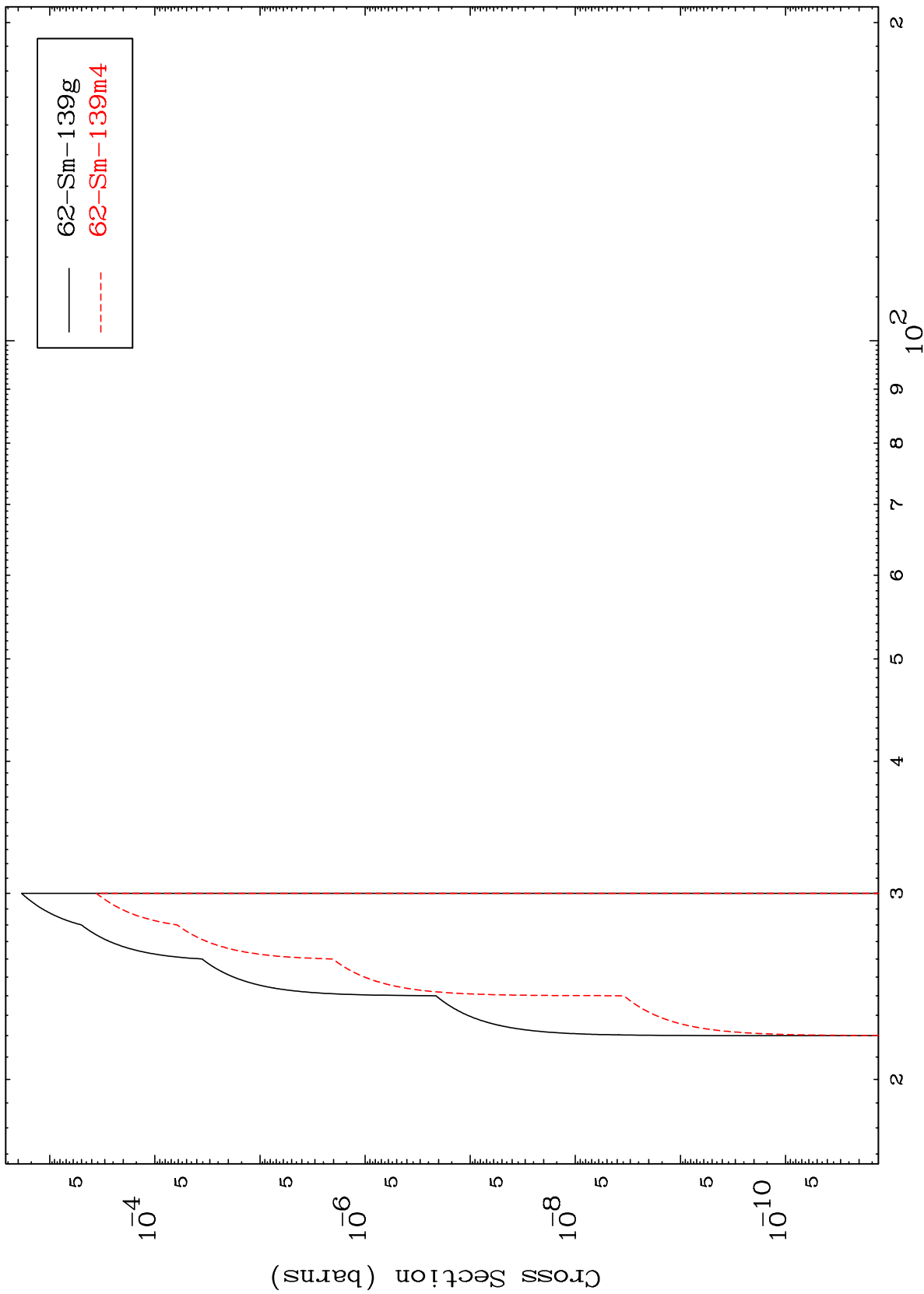
64-Gd-142

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(n,2n) p

64-Gd-142

Radionuclide Production Cross Section

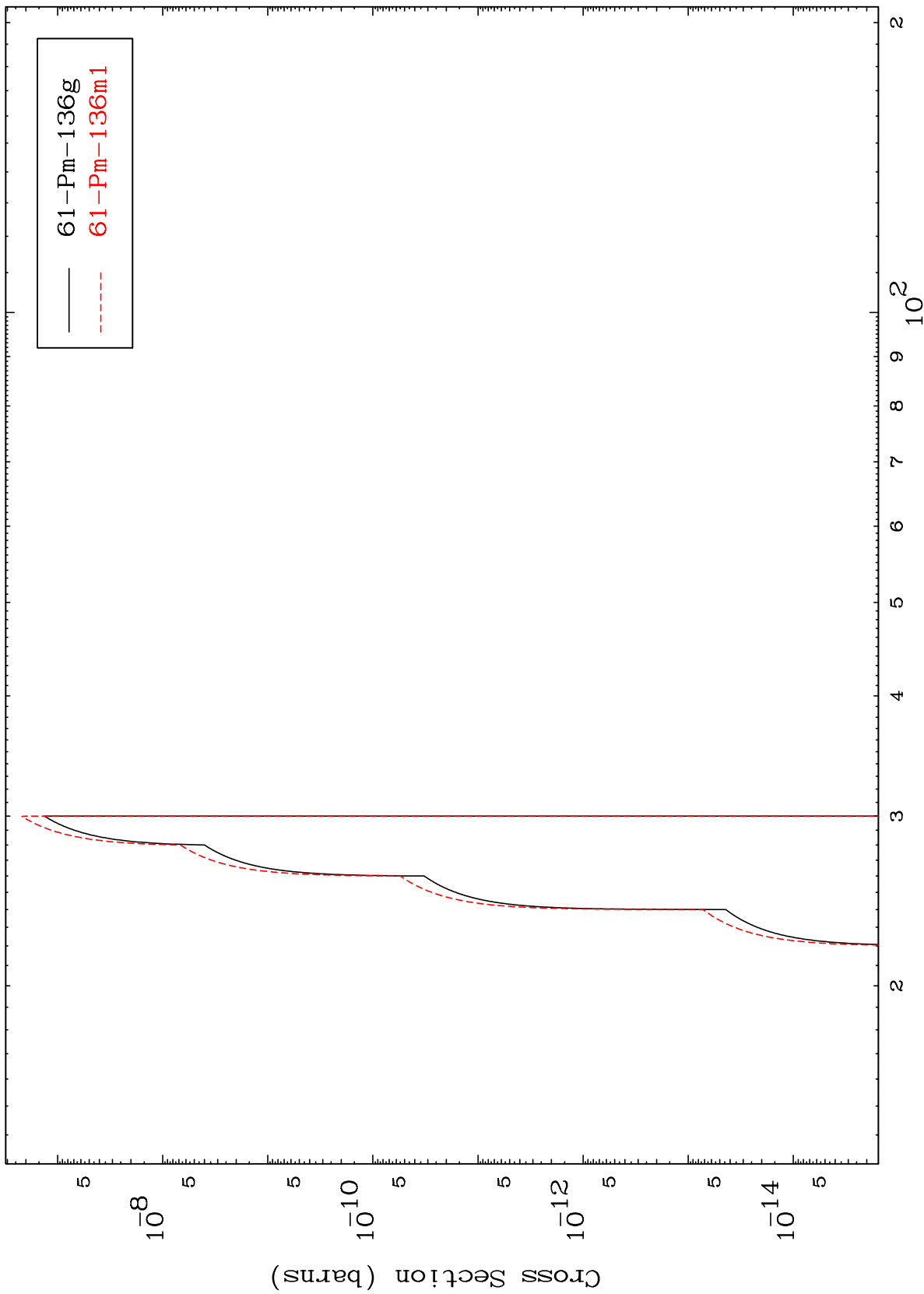


14

Incident Energy (MeV)

64-Gd-142

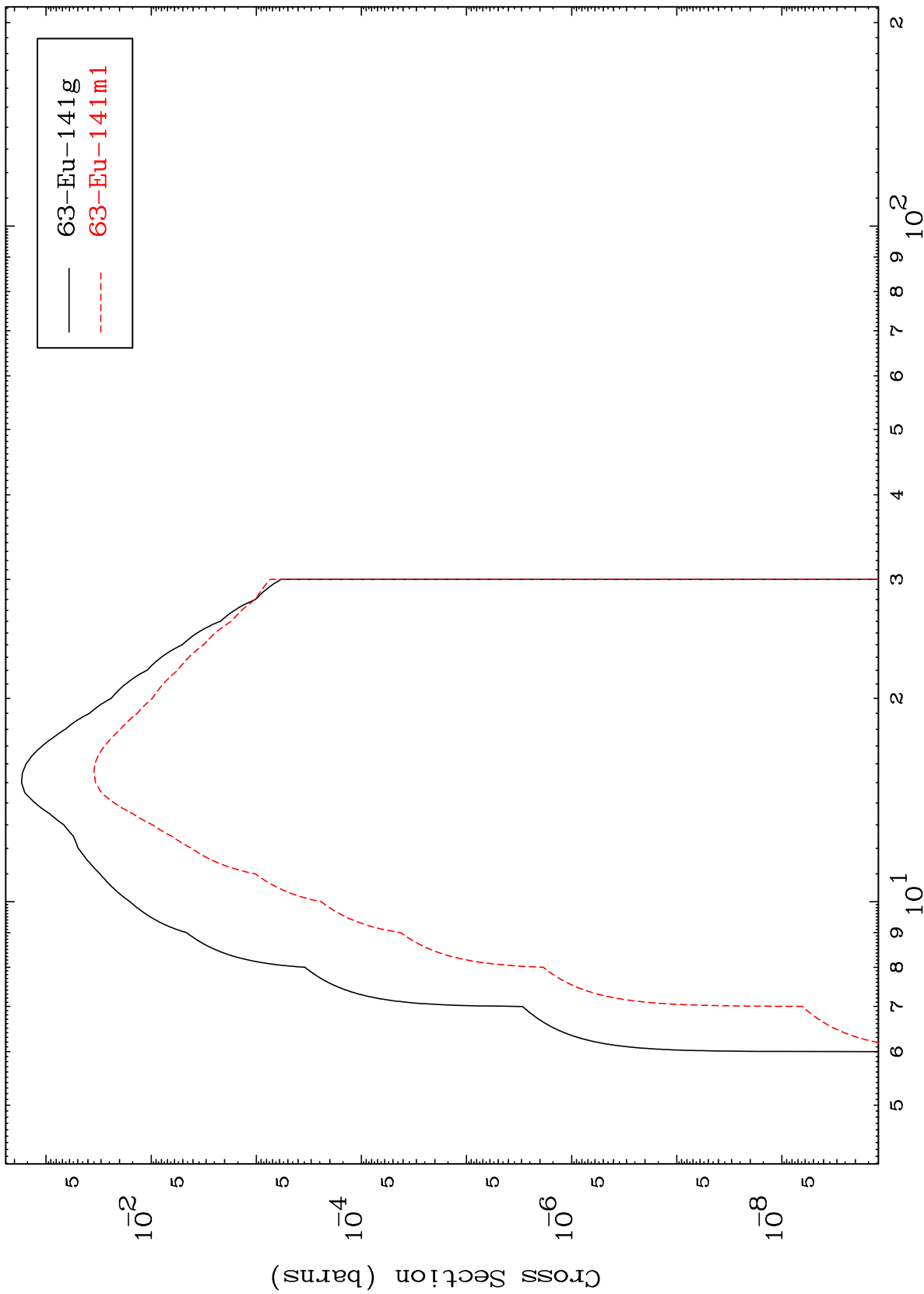
(n,n') p α
Radionuclide Production Cross Section



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64-Gd-142

(n,p)
Radionuclide Production Cross Section



16

Incident Energy (MeV)

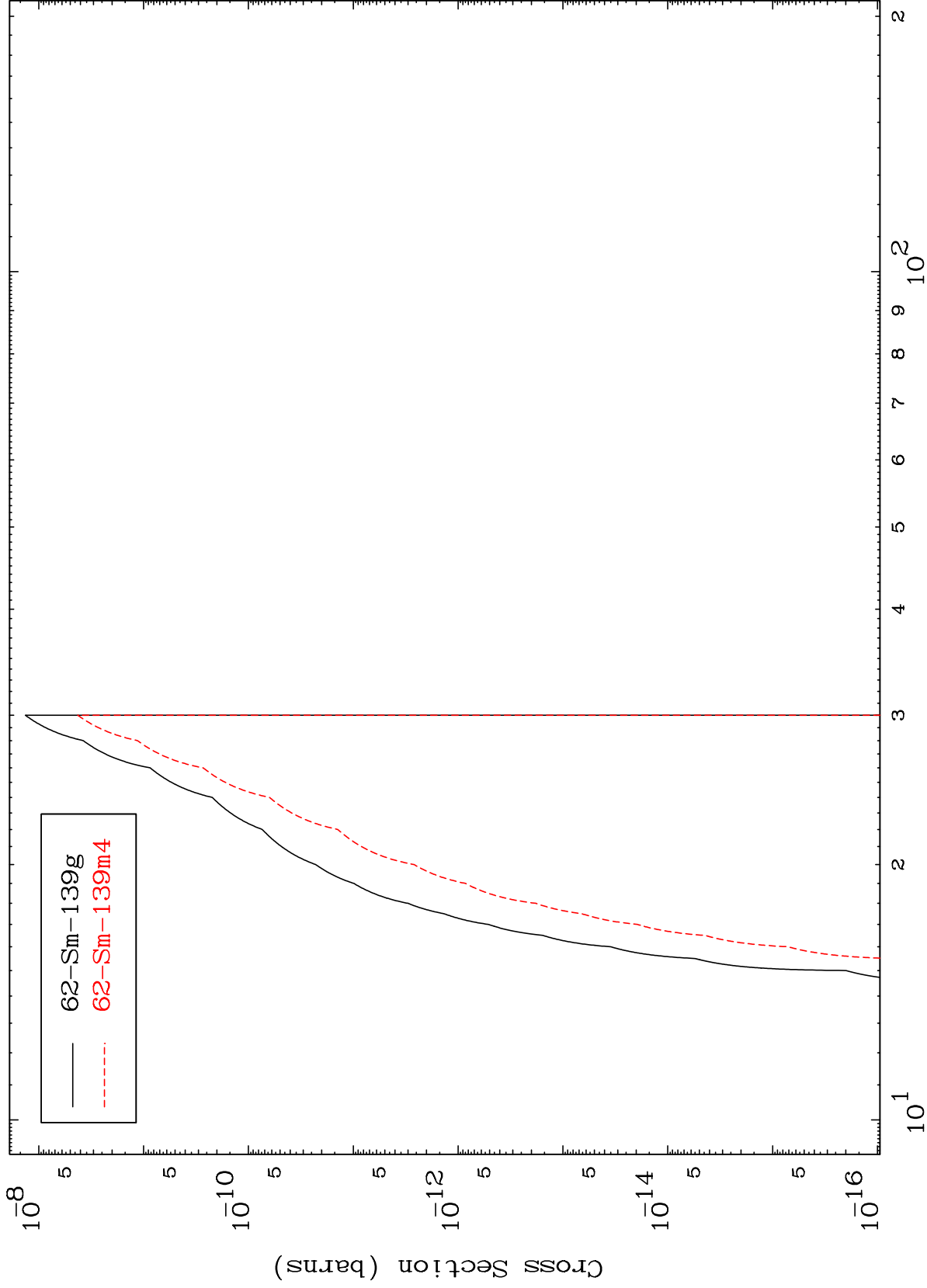
64-Gd-142

MAT 6395

(n,He-3)

64-Gd-142

Radionuclide Production Cross Section



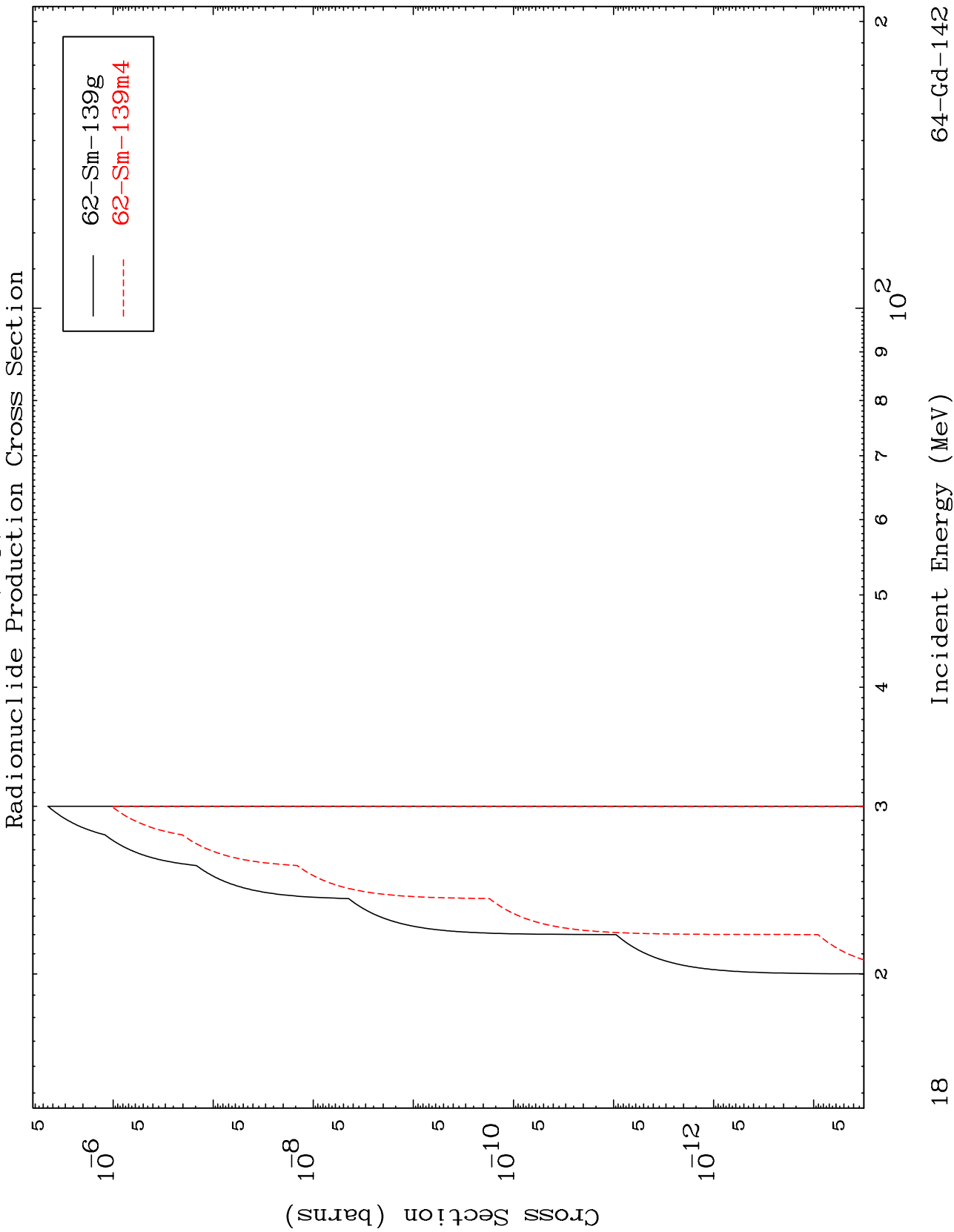
Incident Energy (MeV)

64-Gd-142

MAT 6395

(n,p) d

64-Gd-142



18

64-Gd-142