

Program EVALPLOT
(Version 2021-1)

by

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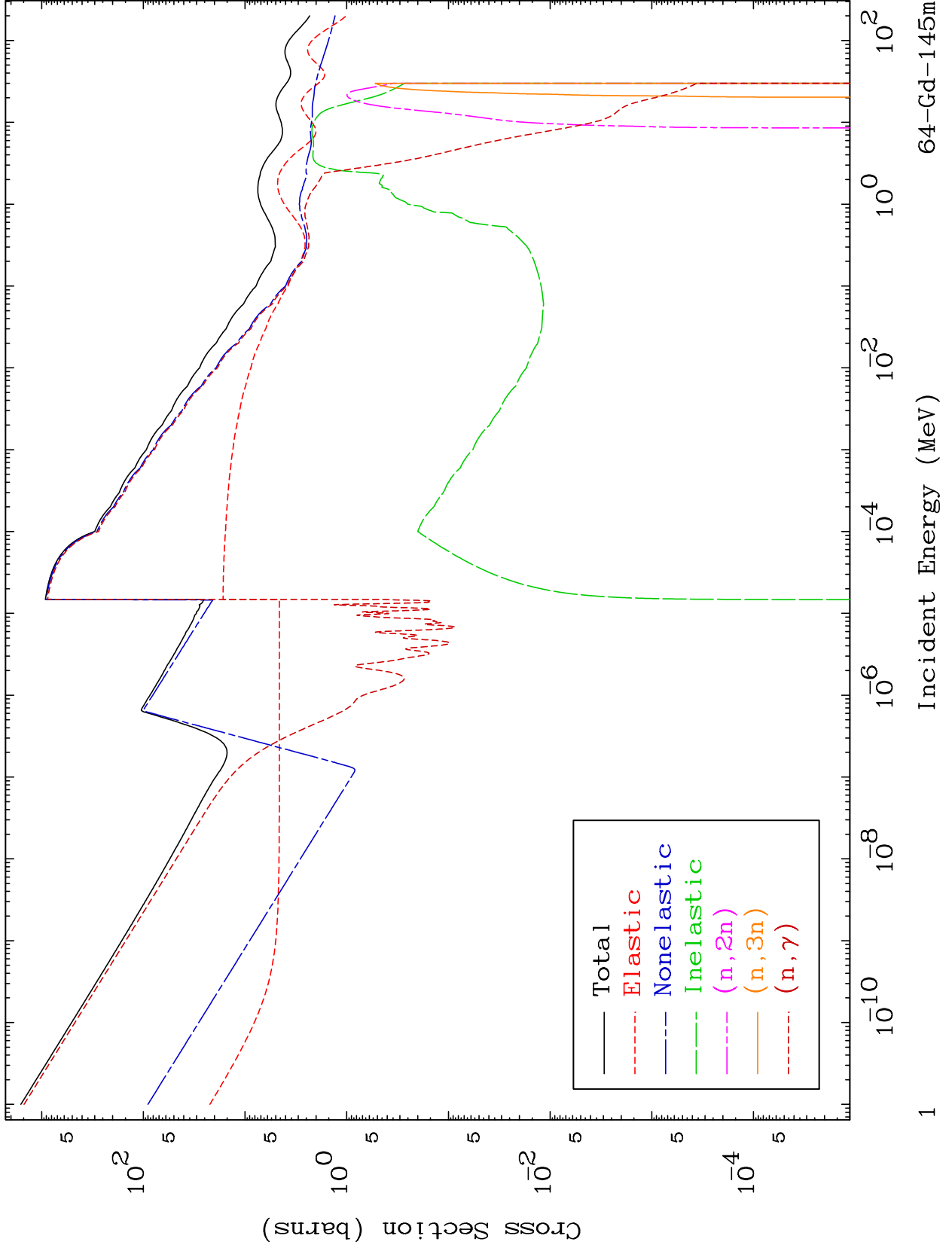
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6405

Neutron Major
293 Kelvin Cross Sections

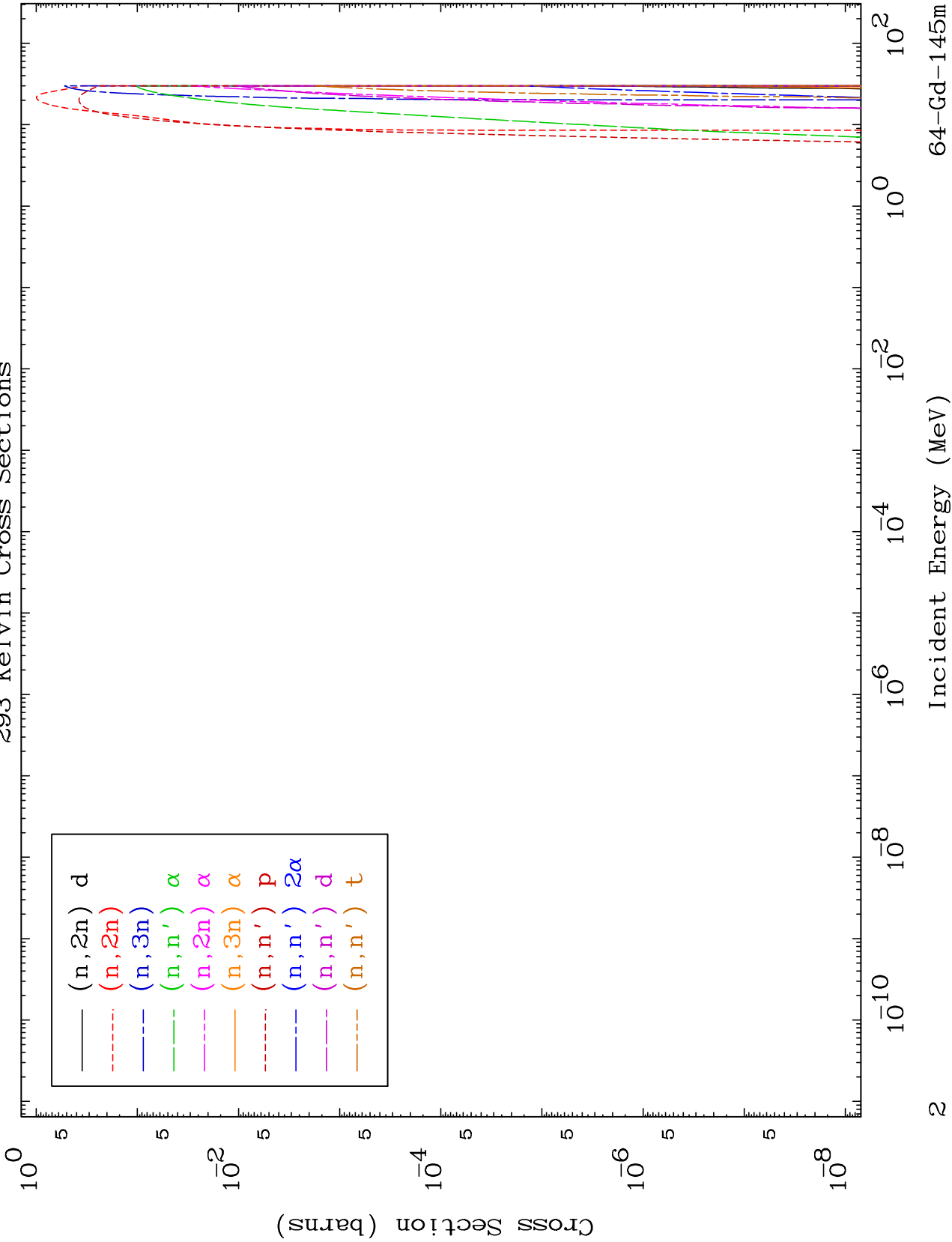
64-Gd-145m



MAT 6405

Neutron Absorption
293 Kelvin Cross Sections

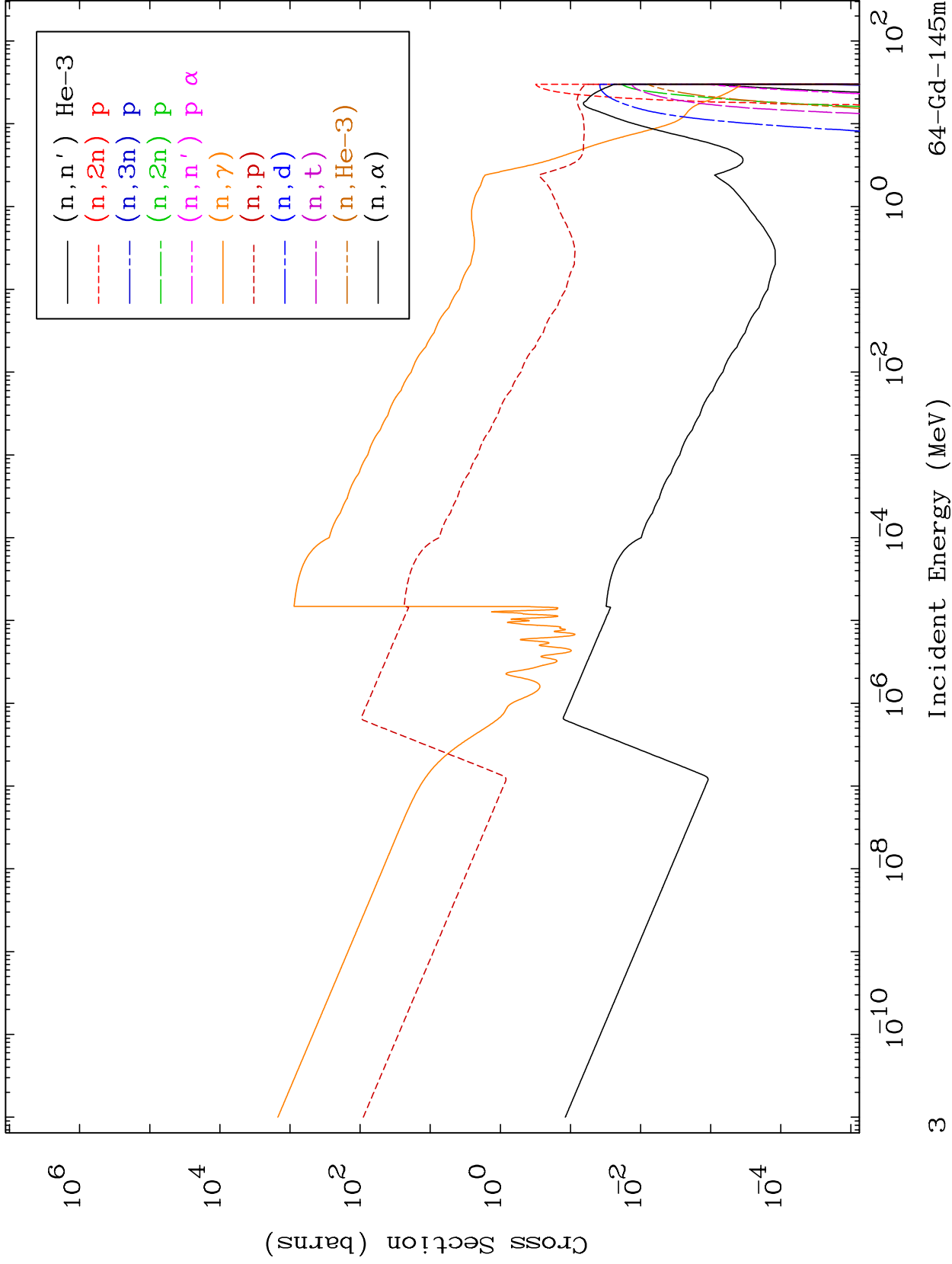
64-Gd-145m



MAT 6405

Neutron Absorption
293 Kelvin Cross Sections

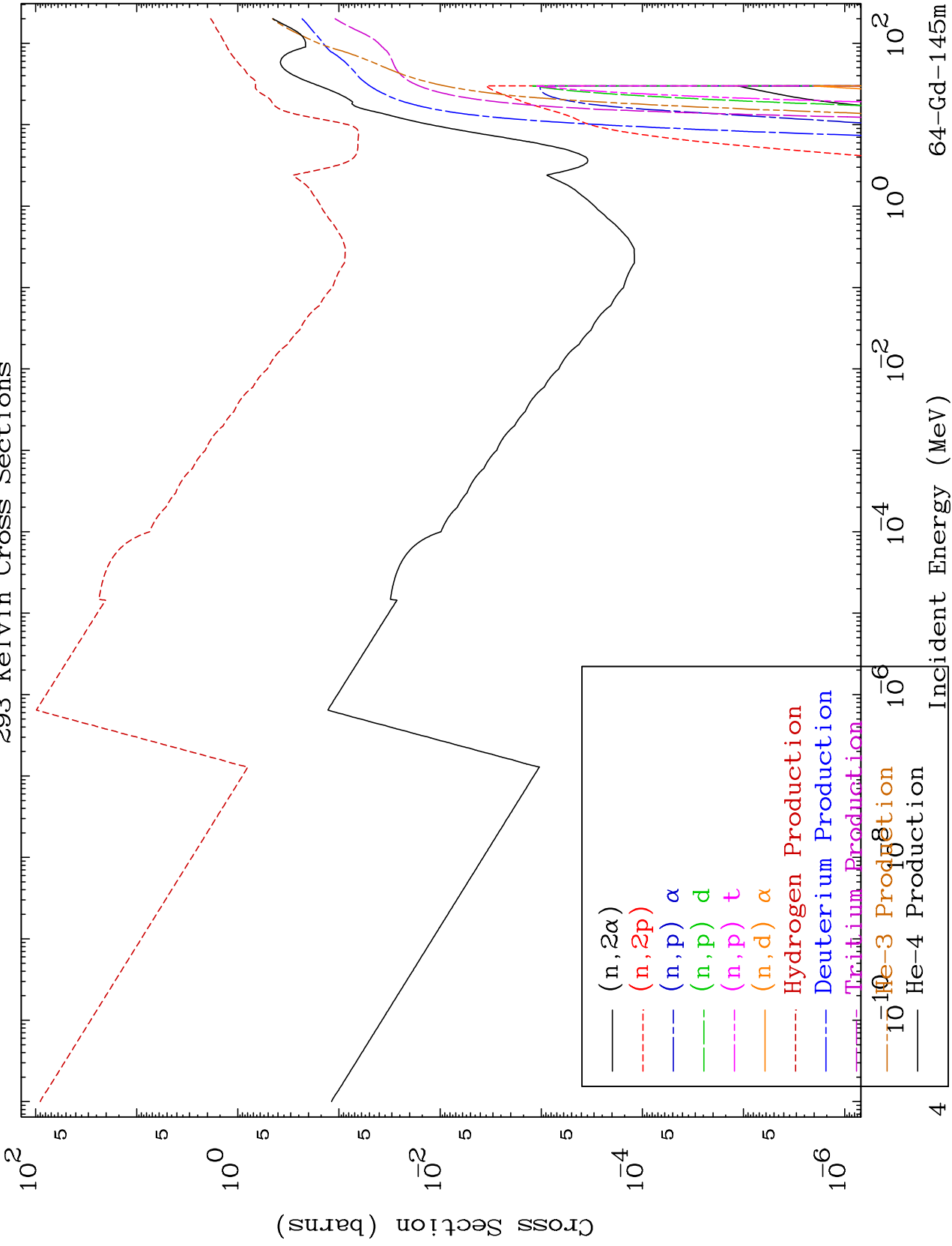
64-Gd-145m



MAT 6405

Neutron Absorption
293 Kelvin Cross Sections

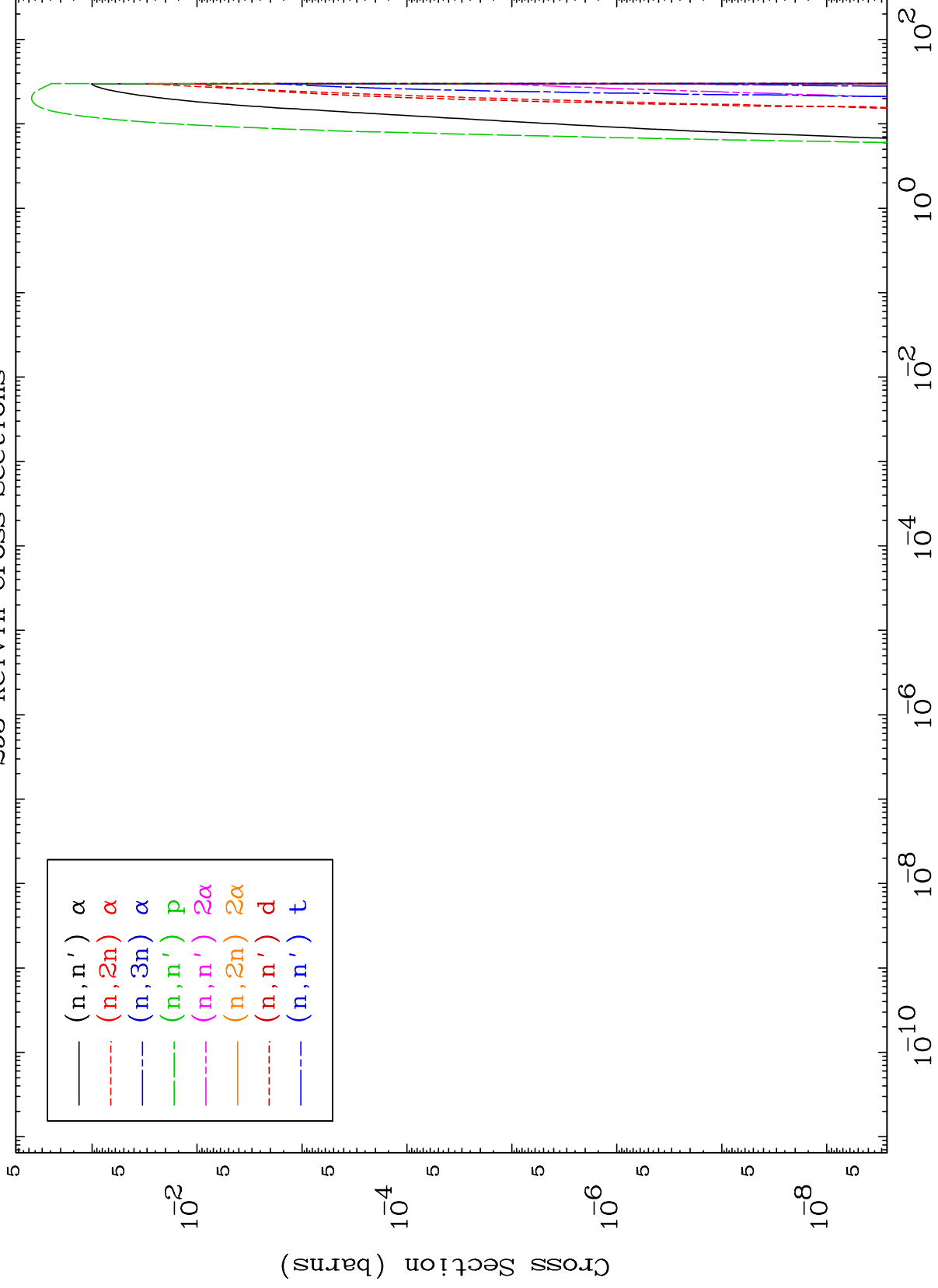
64-Gd-145m



MAT 6405

Charged Particle
293 Kelvin Cross Sections

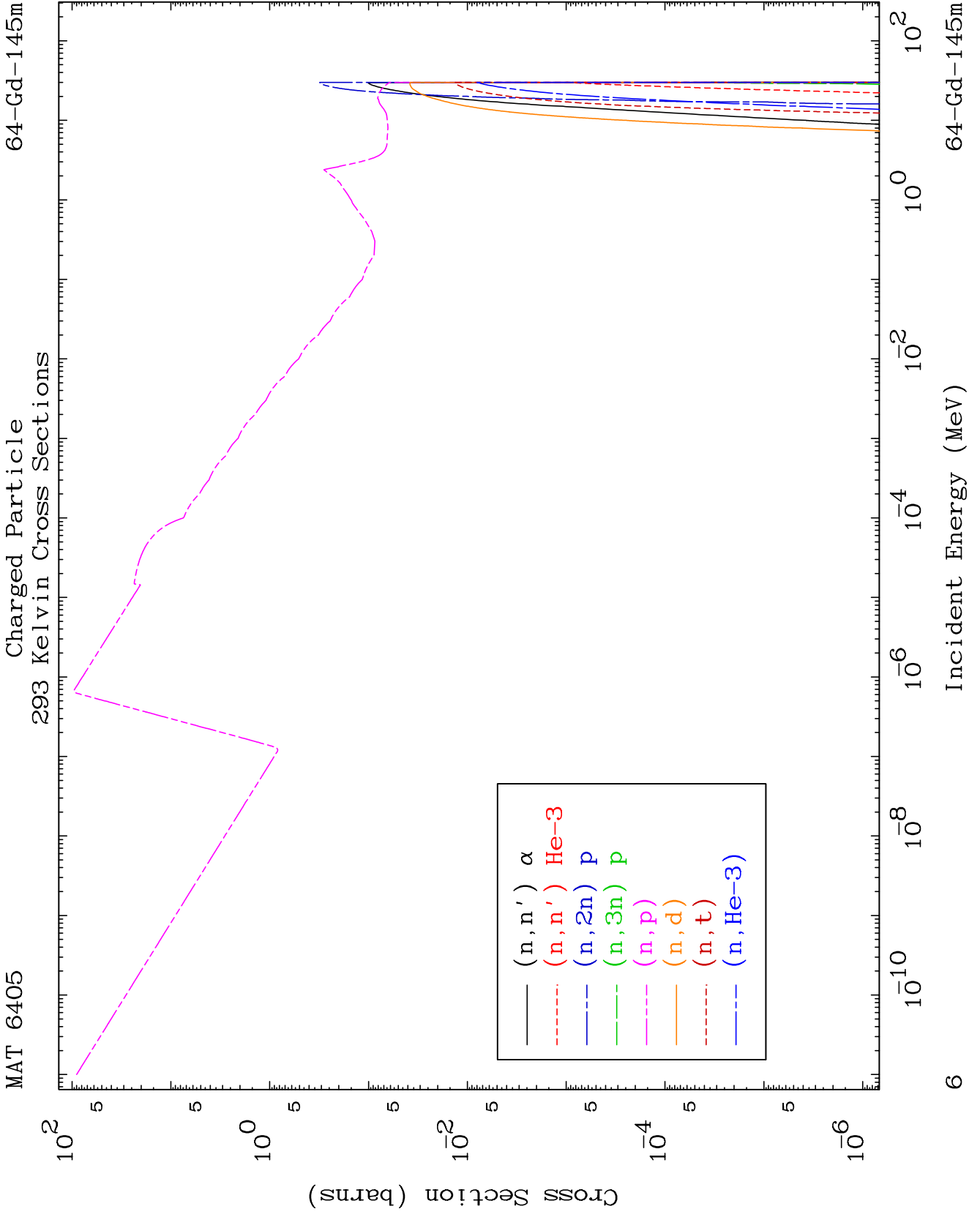
64-Gd-145m



5

Incident Energy (MeV)

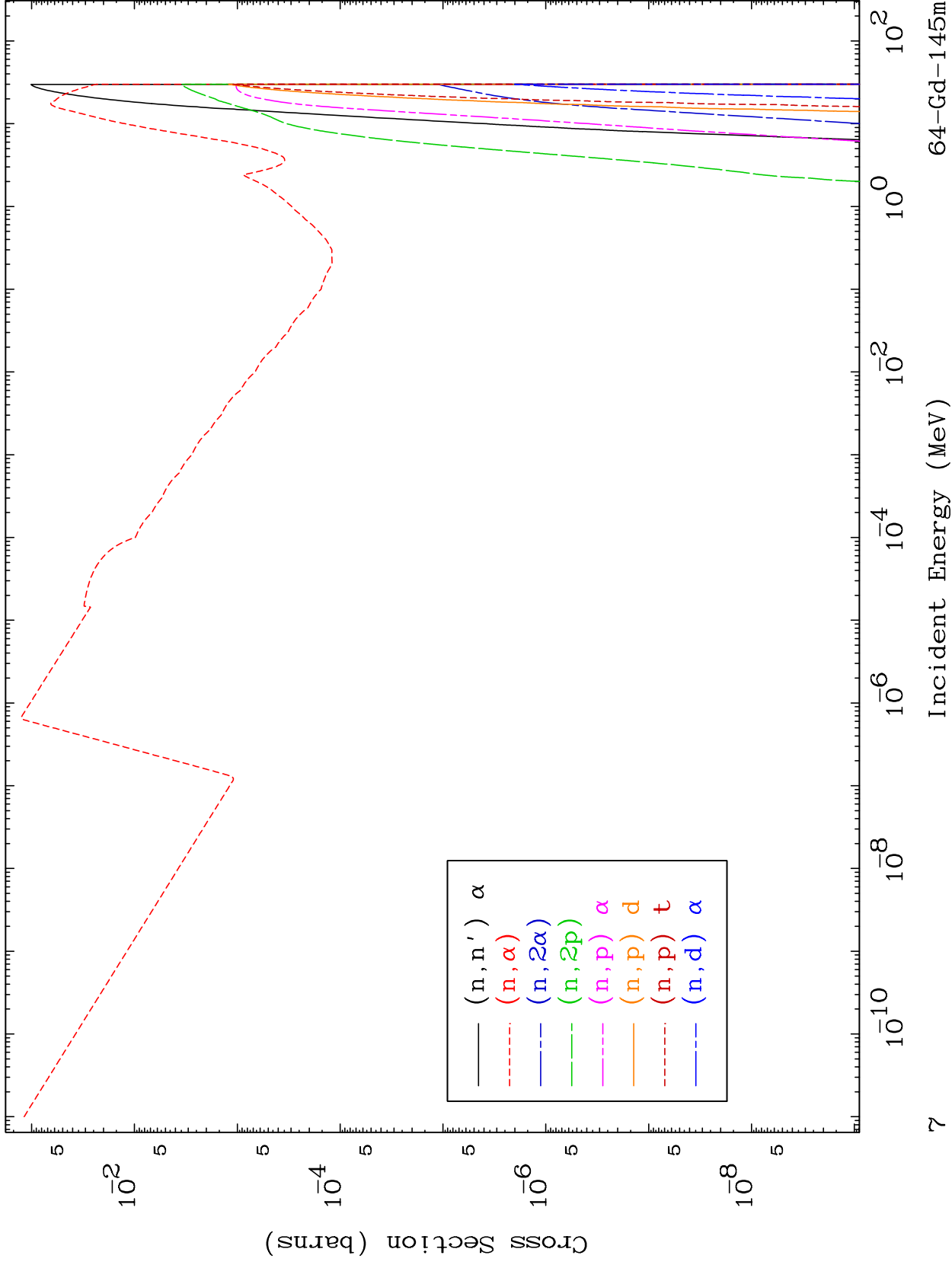
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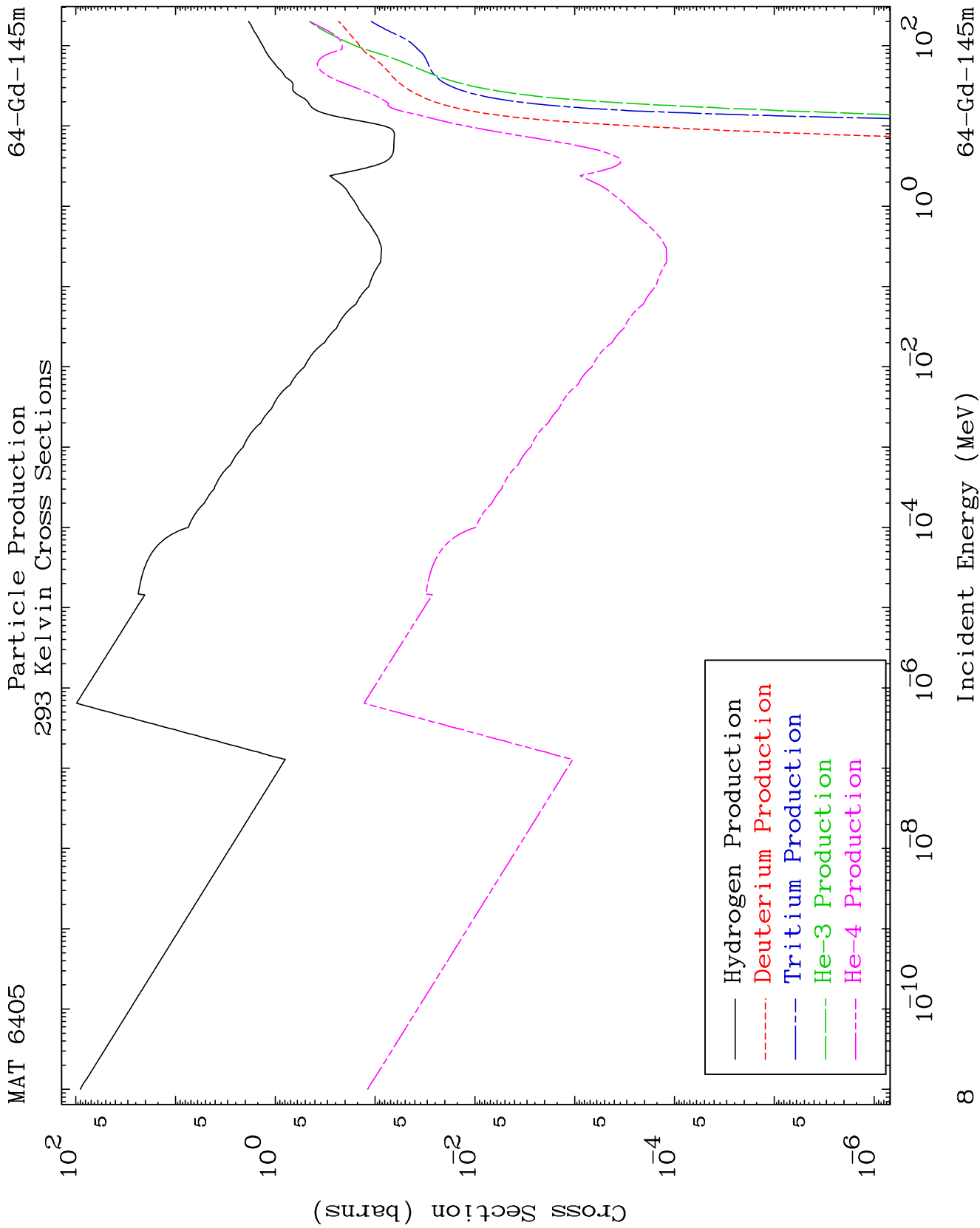


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Charged Particle
293 Kelvin Cross Sections

64-Gd-145m

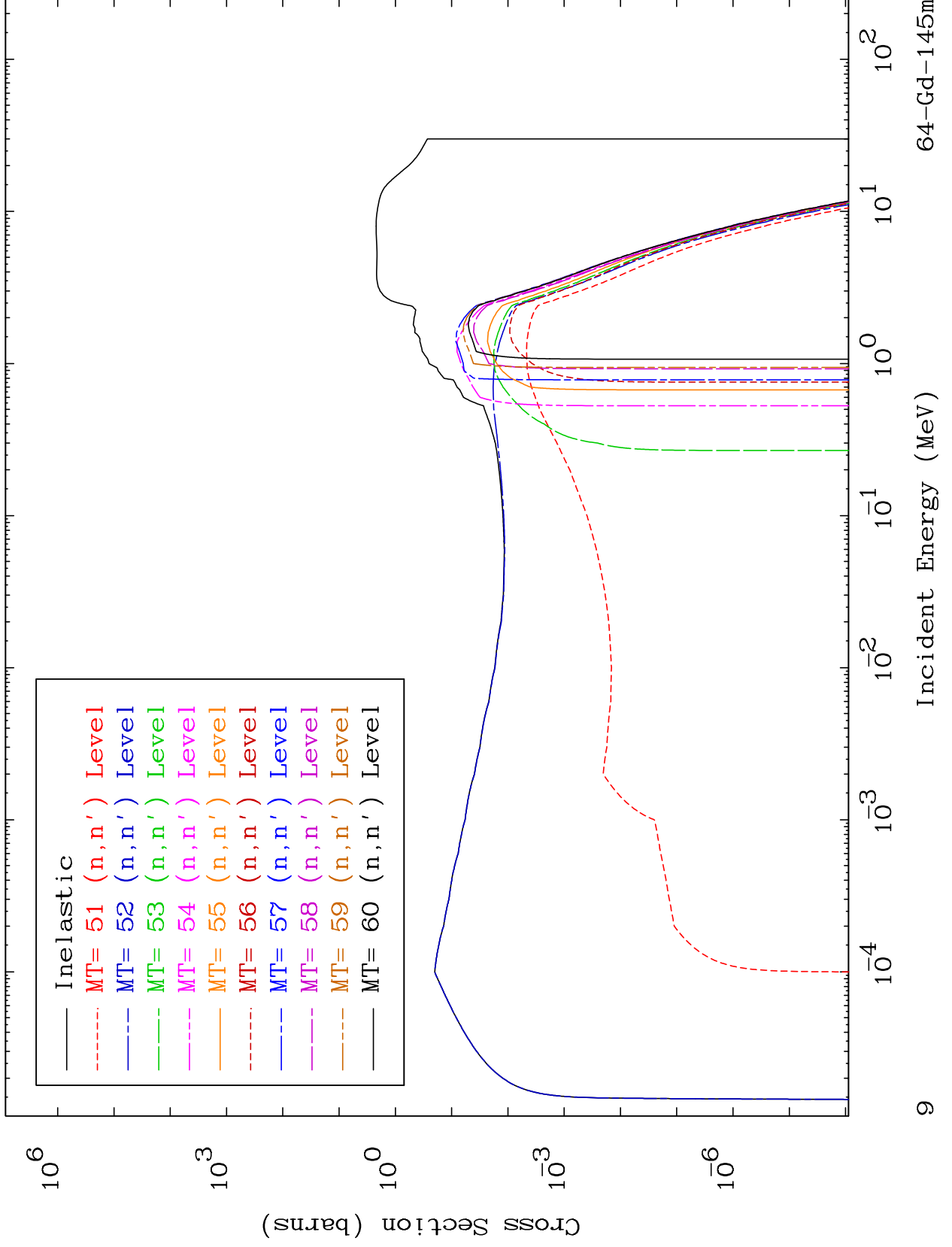




MAT 6405

(n,n') Levels
293 Kelvin Cross Sections

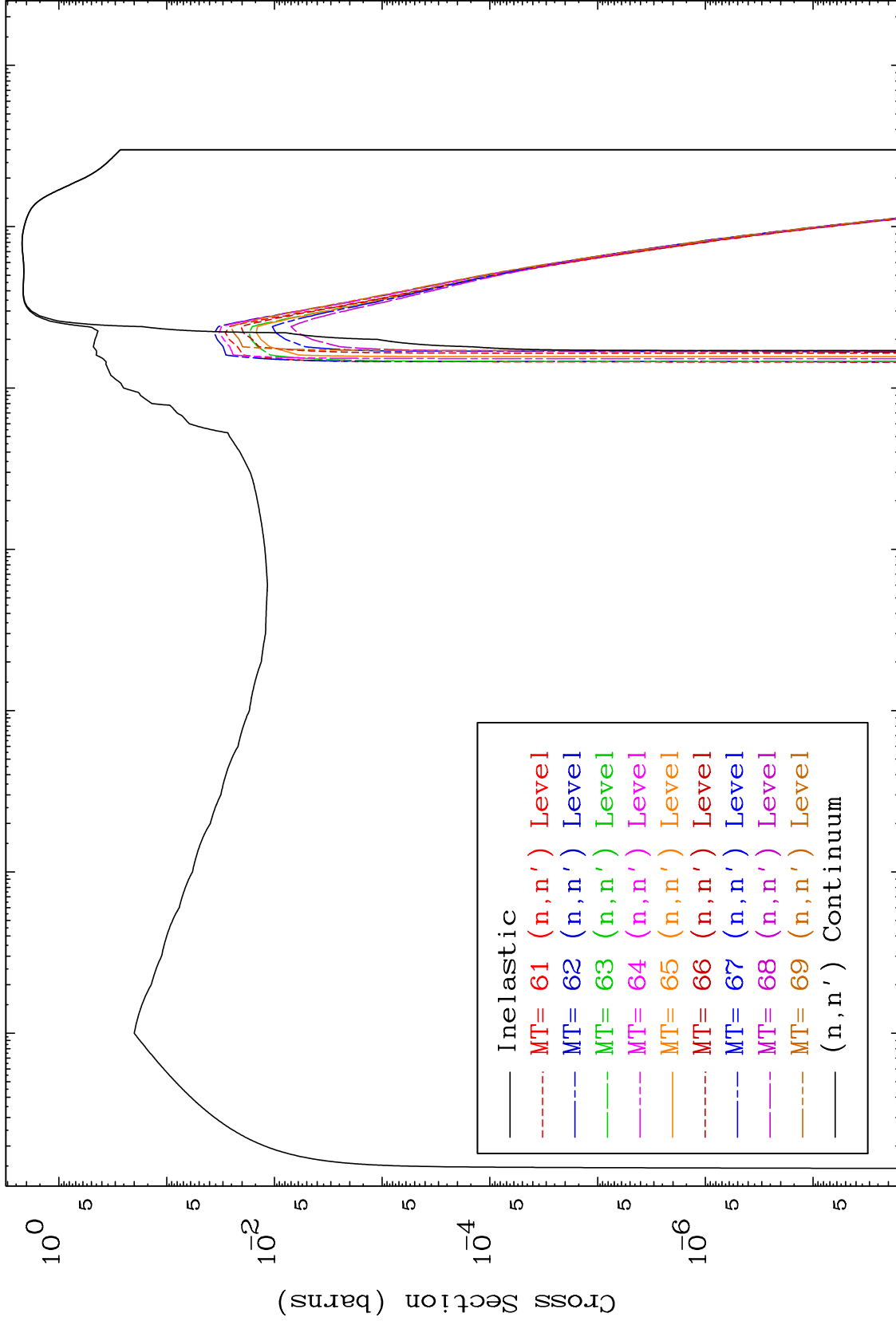
64-Gd-145m



MAT 6405

(n,n') Levels
293 Kelvin Cross Sections

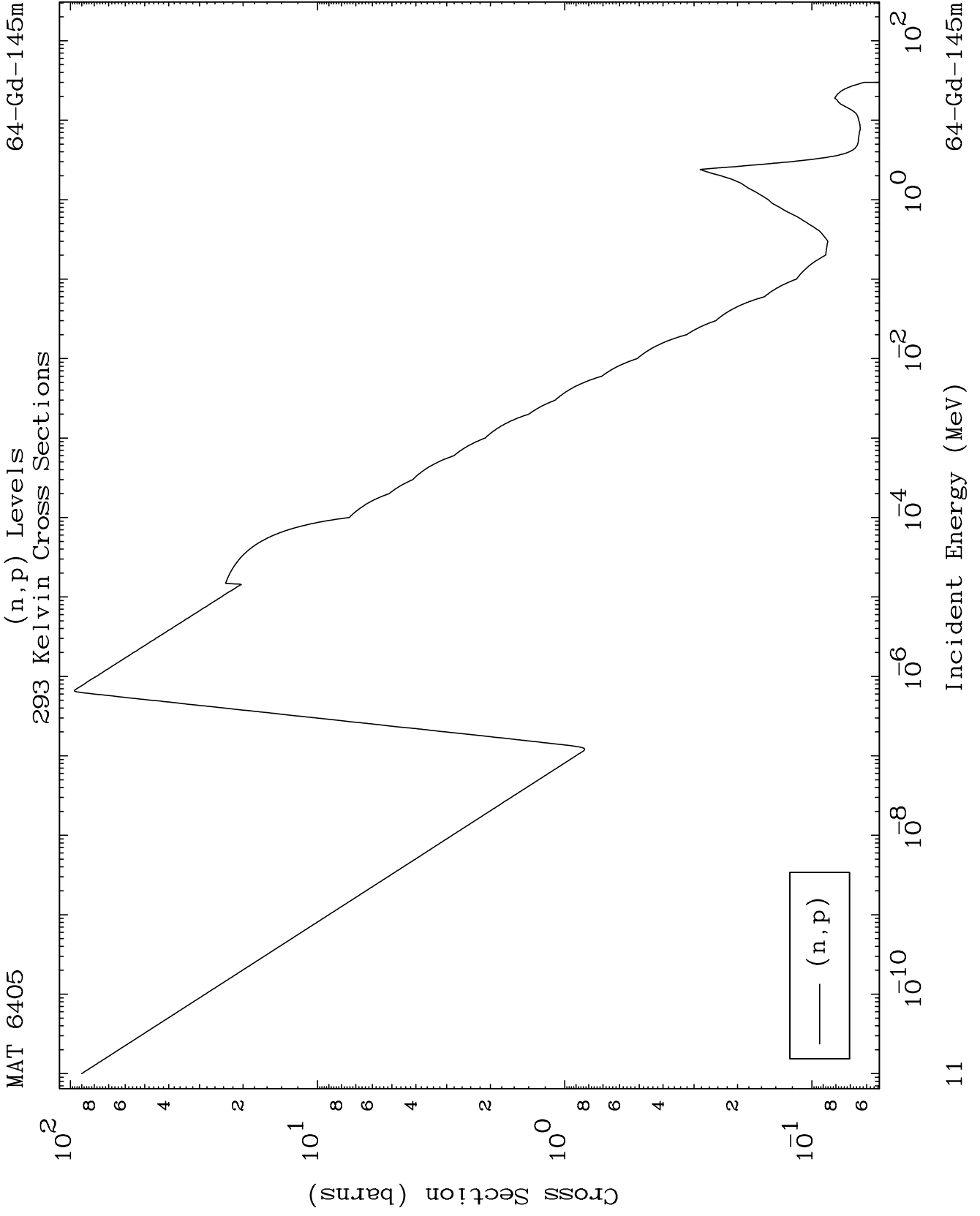
64-Gd-145m



10

Incident Energy (MeV)

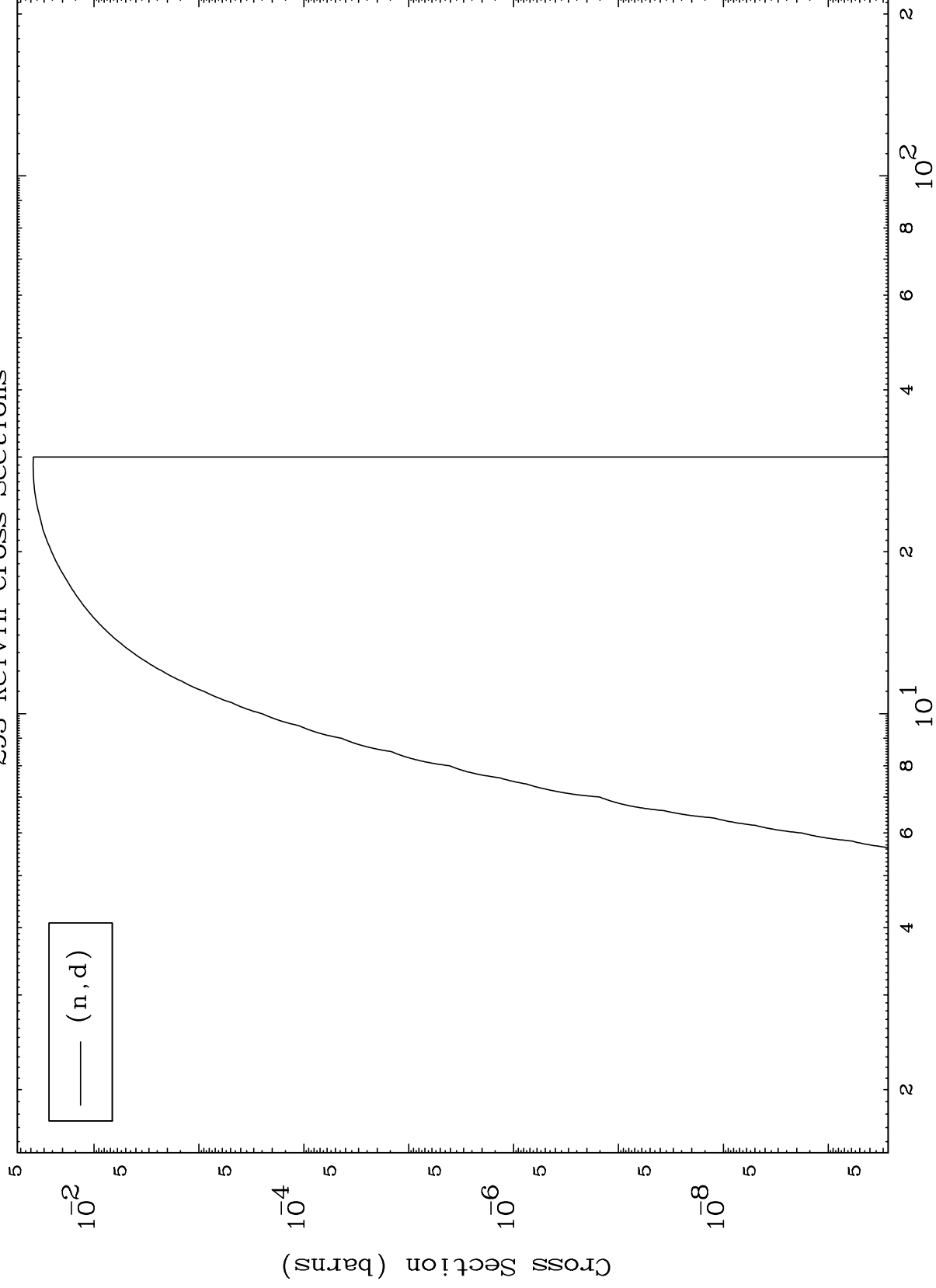
64-Gd-145m



MAT 6405

(n,d) Levels
293 Kelvin Cross Sections

64-Gd-145m



12

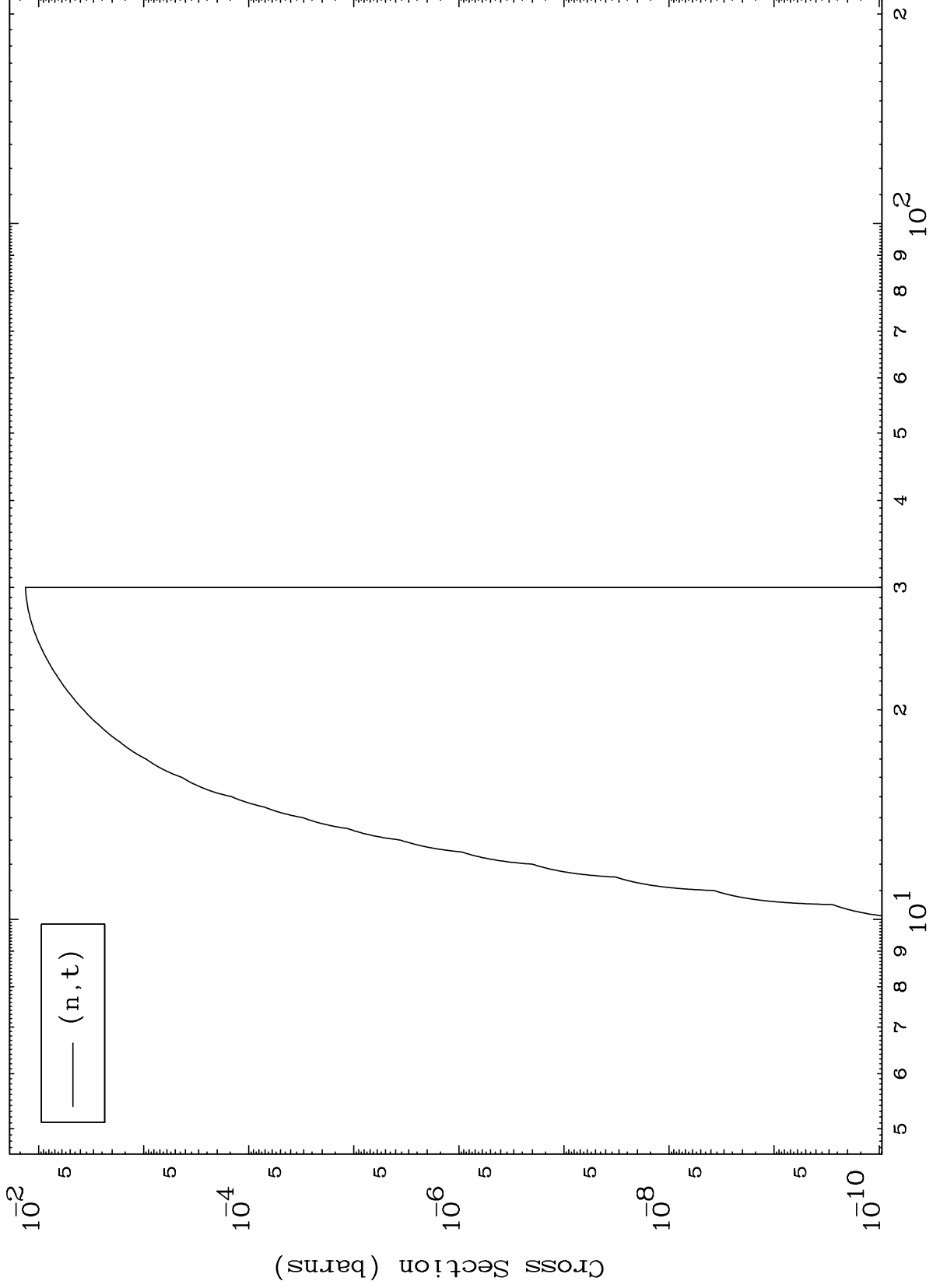
Incident Energy (MeV)

64-Gd-145m

MAT 6405

(n,t) Levels
293 Kelvin Cross Sections

64-Gd-145m



13

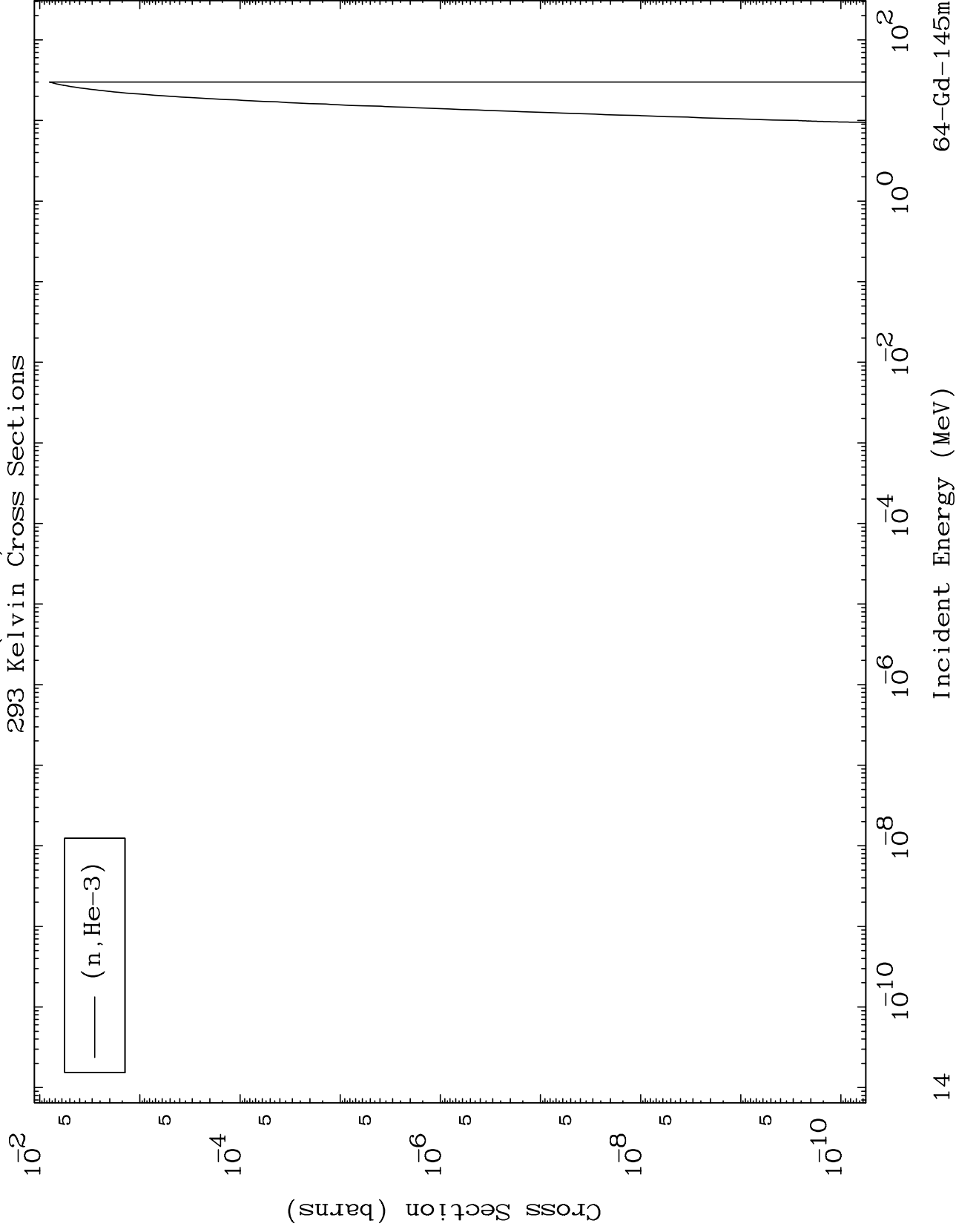
Incident Energy (MeV)

64-Gd-145m

MAT 6405

(n,He3) Levels
293 Kelvin Cross Sections

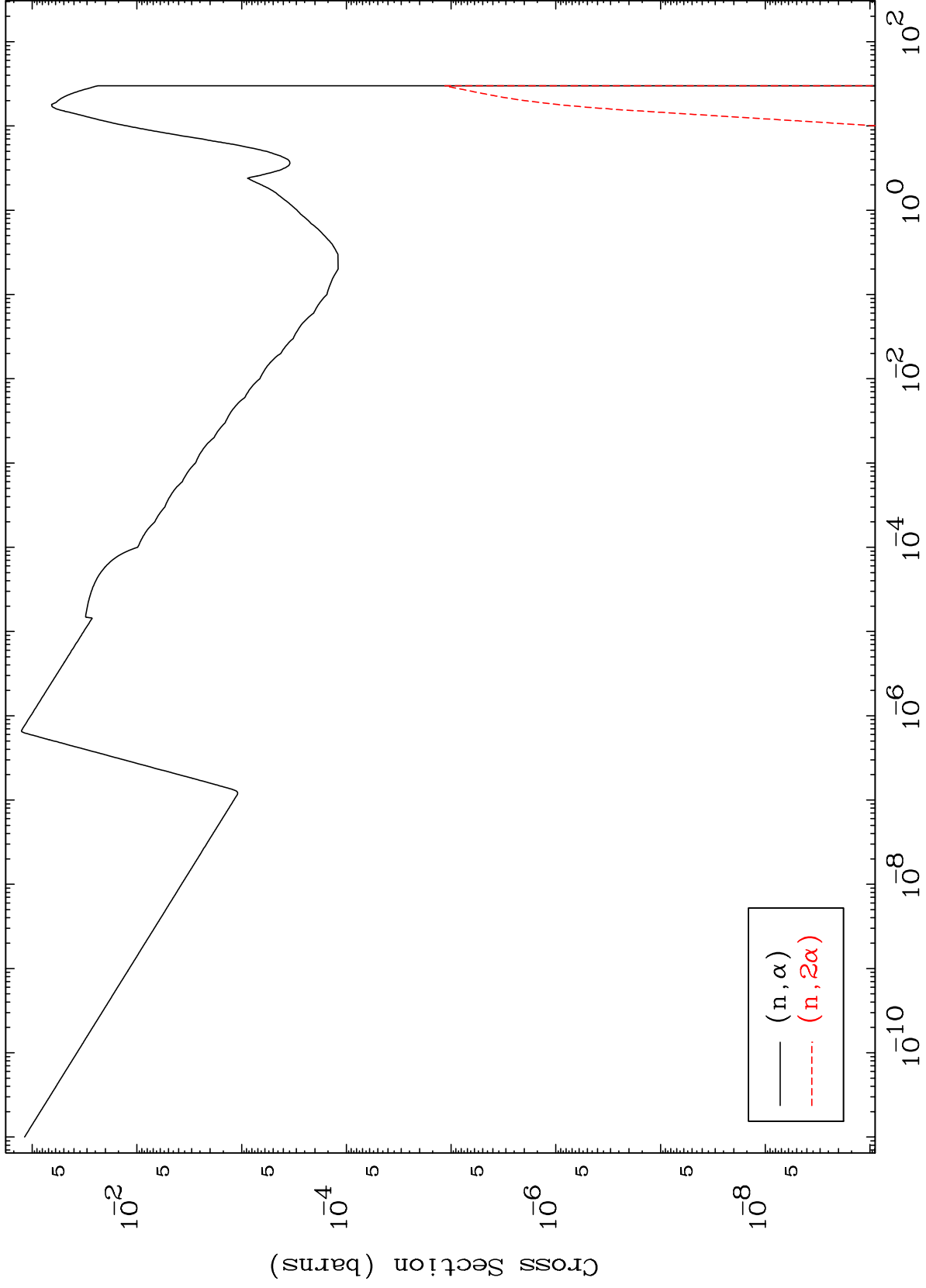
64-Gd-145m



MAT 6405

(n, α) Levels
293 Kelvin Cross Sections

64-Gd-145m



15

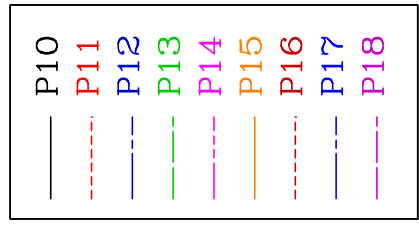
Incident Energy (MeV)

64-Gd-145m

MAT 6405

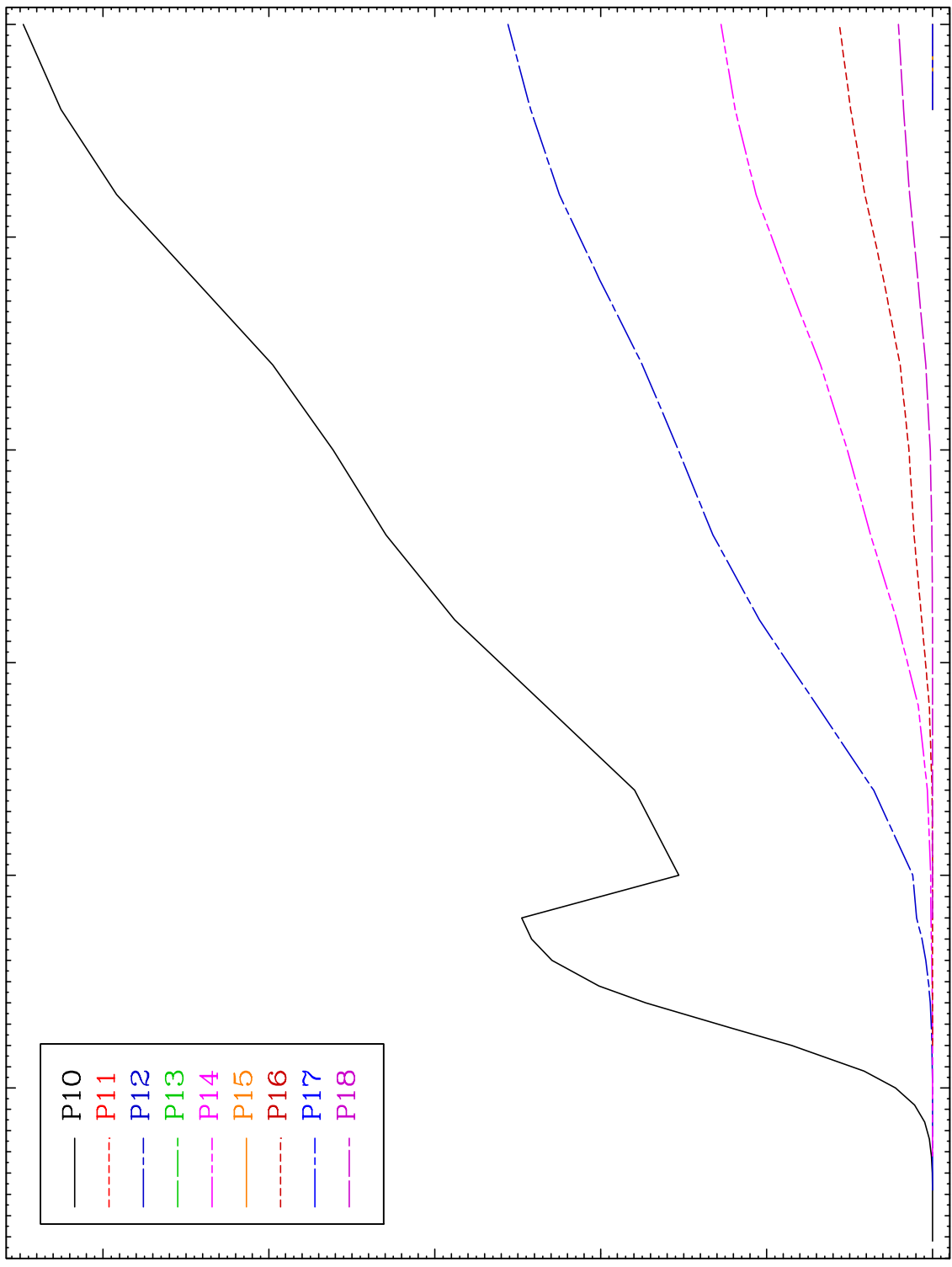
Elastic Legendre Coefficients

64-Gd-145m



$\times 10^{-4}$

Legendre (CM)



17

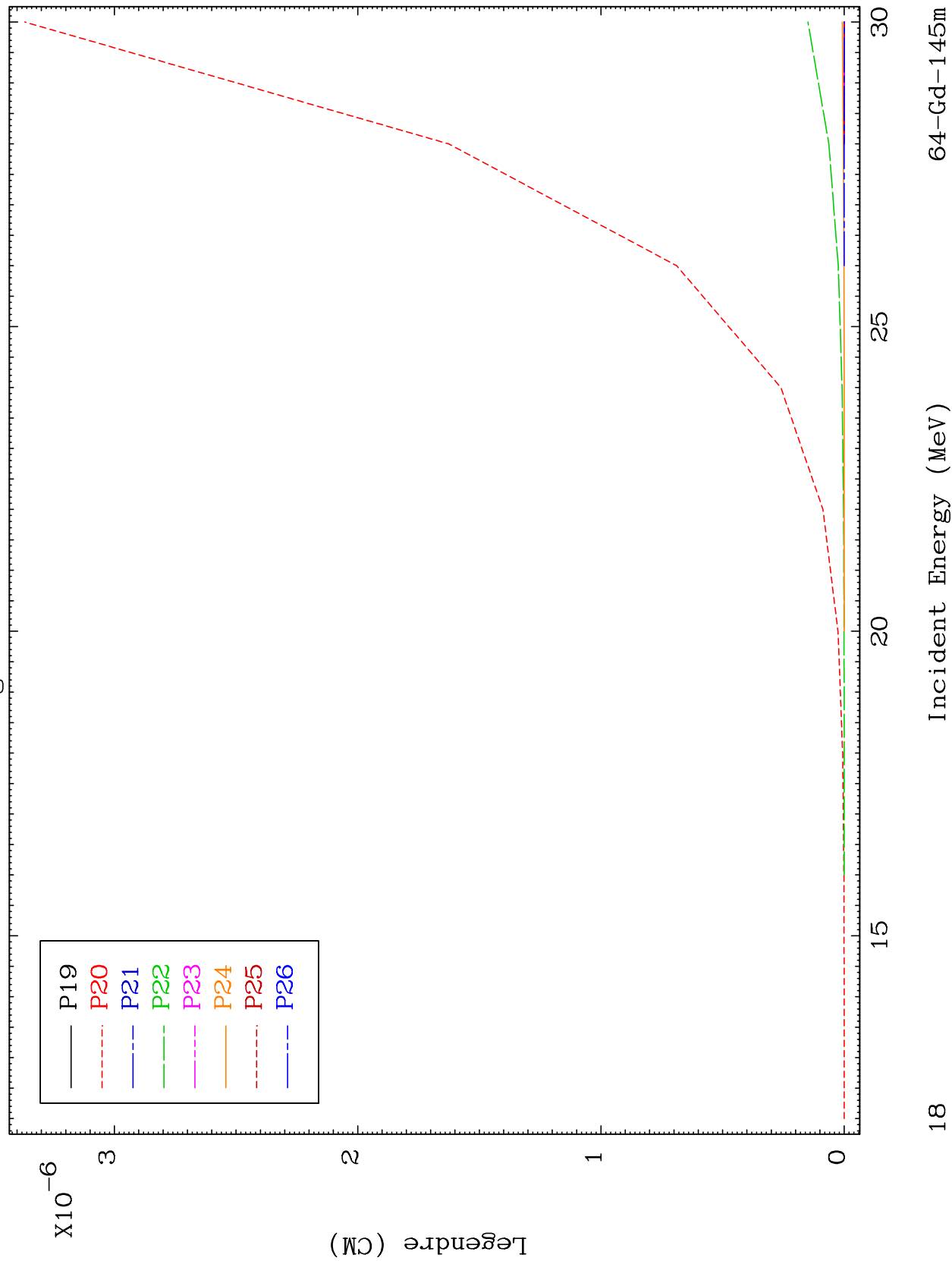
Incident Energy (MeV)

64-Gd-145m

MAT 6405

Elastic
Legendre Coefficients

64-Gd-145m



18

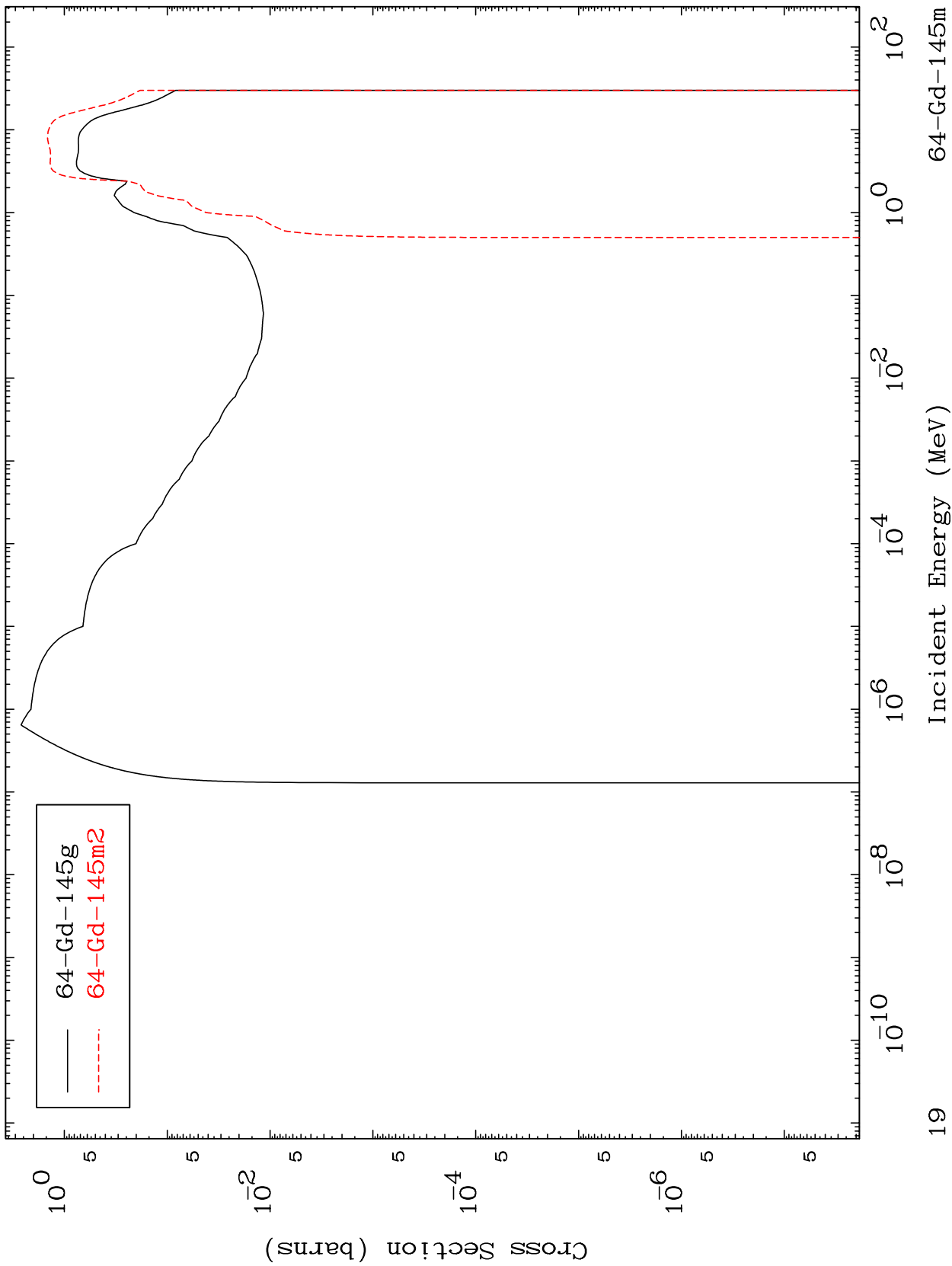
Incident Energy (MeV)

64-Gd-145m

MAT 6405

64-Gd-145m

Inelastic Radionuclide Production Cross Section

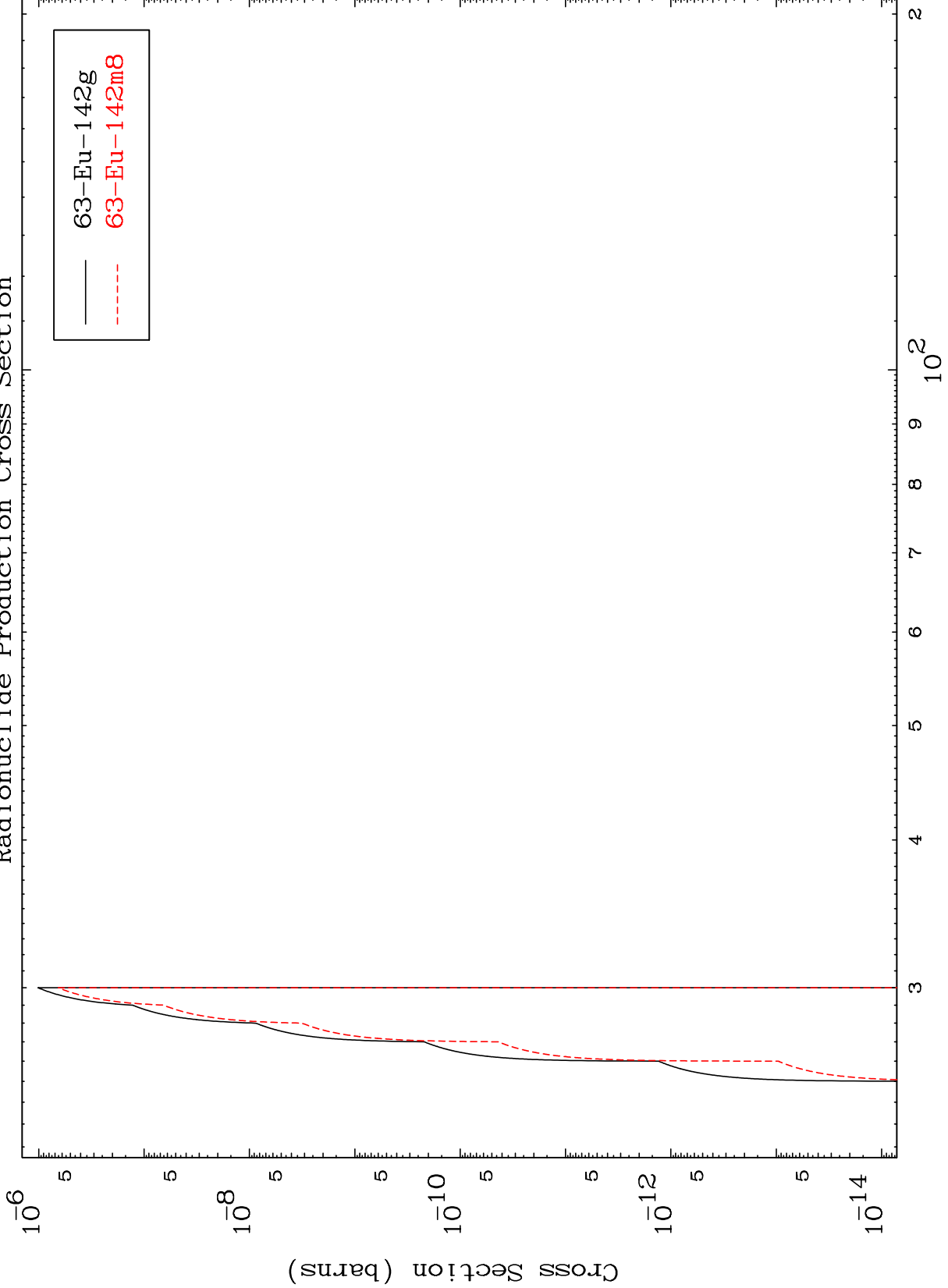


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(n,2n) d

64-Gd-145m

Radionuclide Production Cross Section



20

Incident Energy (MeV)

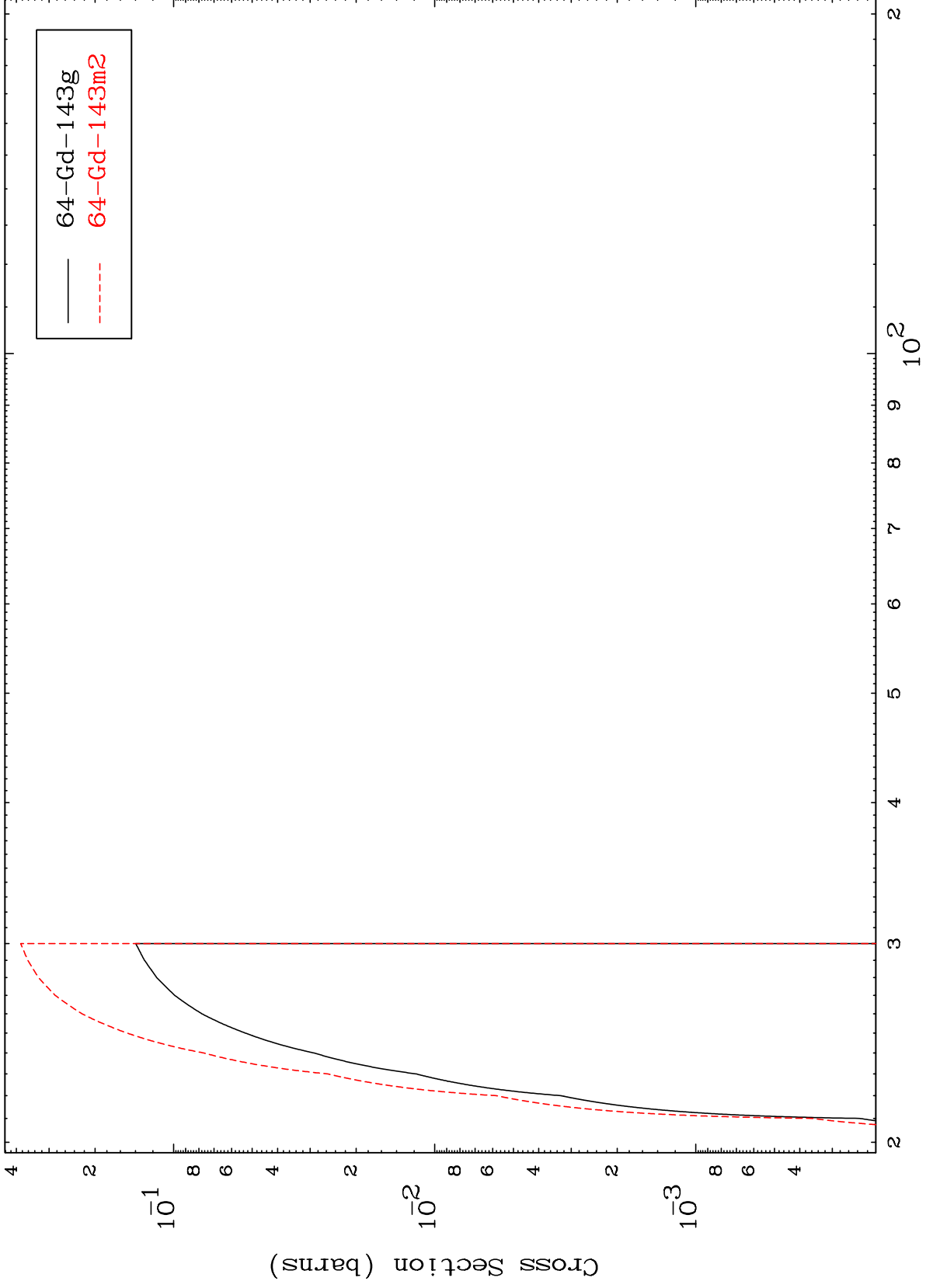
64-Gd-145m

MAT 6405

(n,3n)

64-Gd-145m

Radionuclide Production Cross Section



21

Incident Energy (MeV)

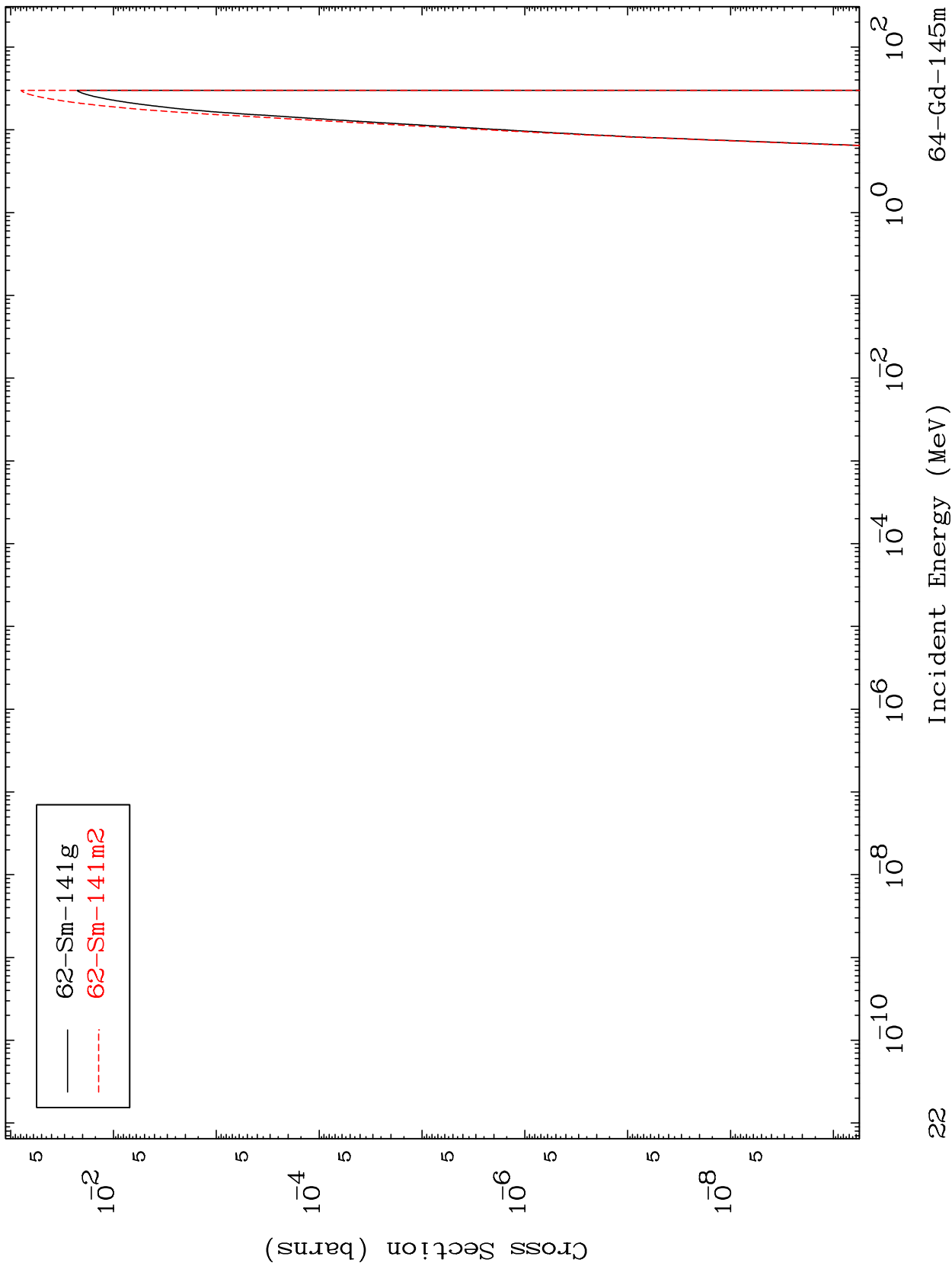
64-Gd-145m

MAT 6405

(n, n') α

64-Gd-145m

Radionuclide Production Cross Section

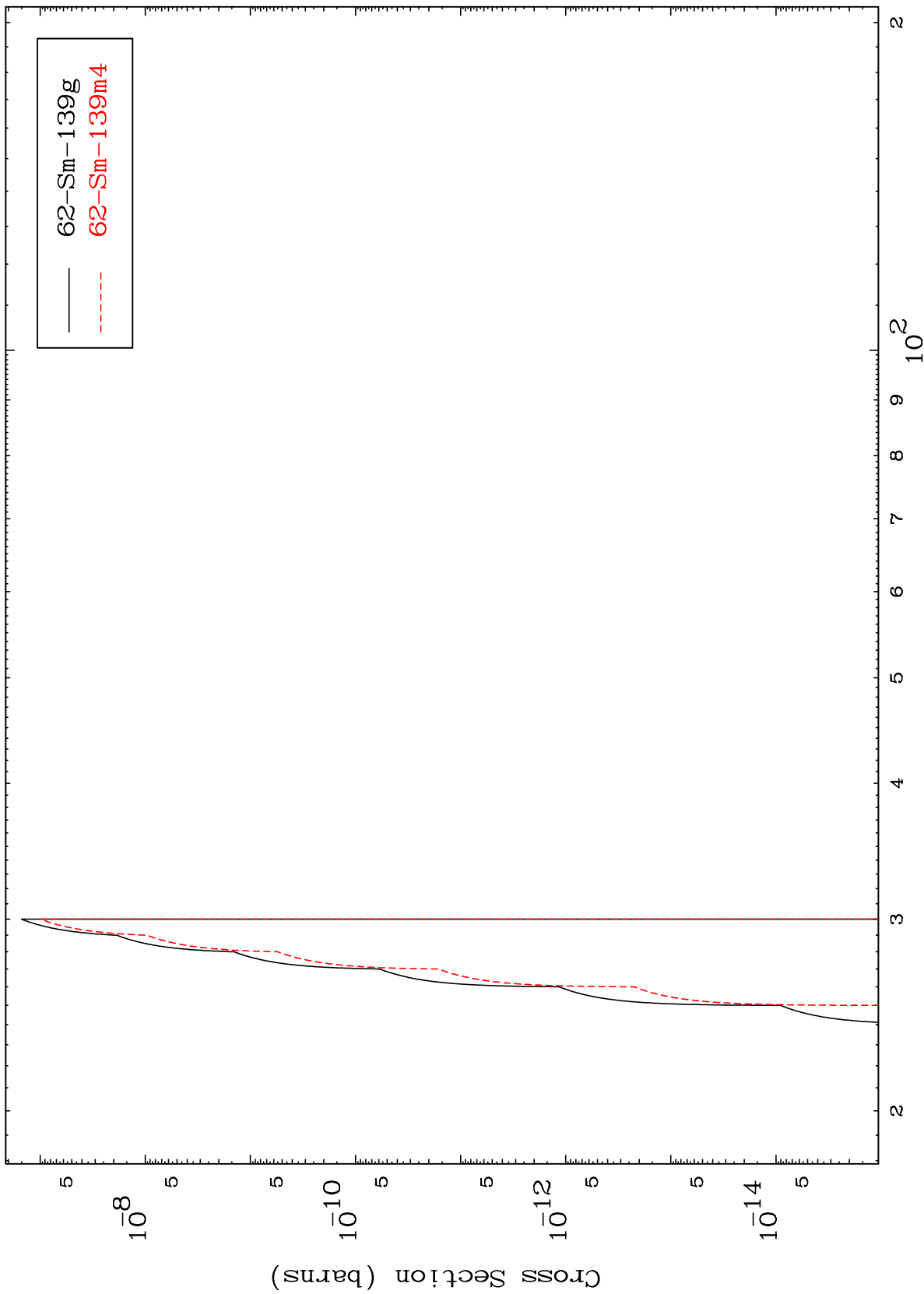


MAT 6405

(n,3n) α

64-Gd-145m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

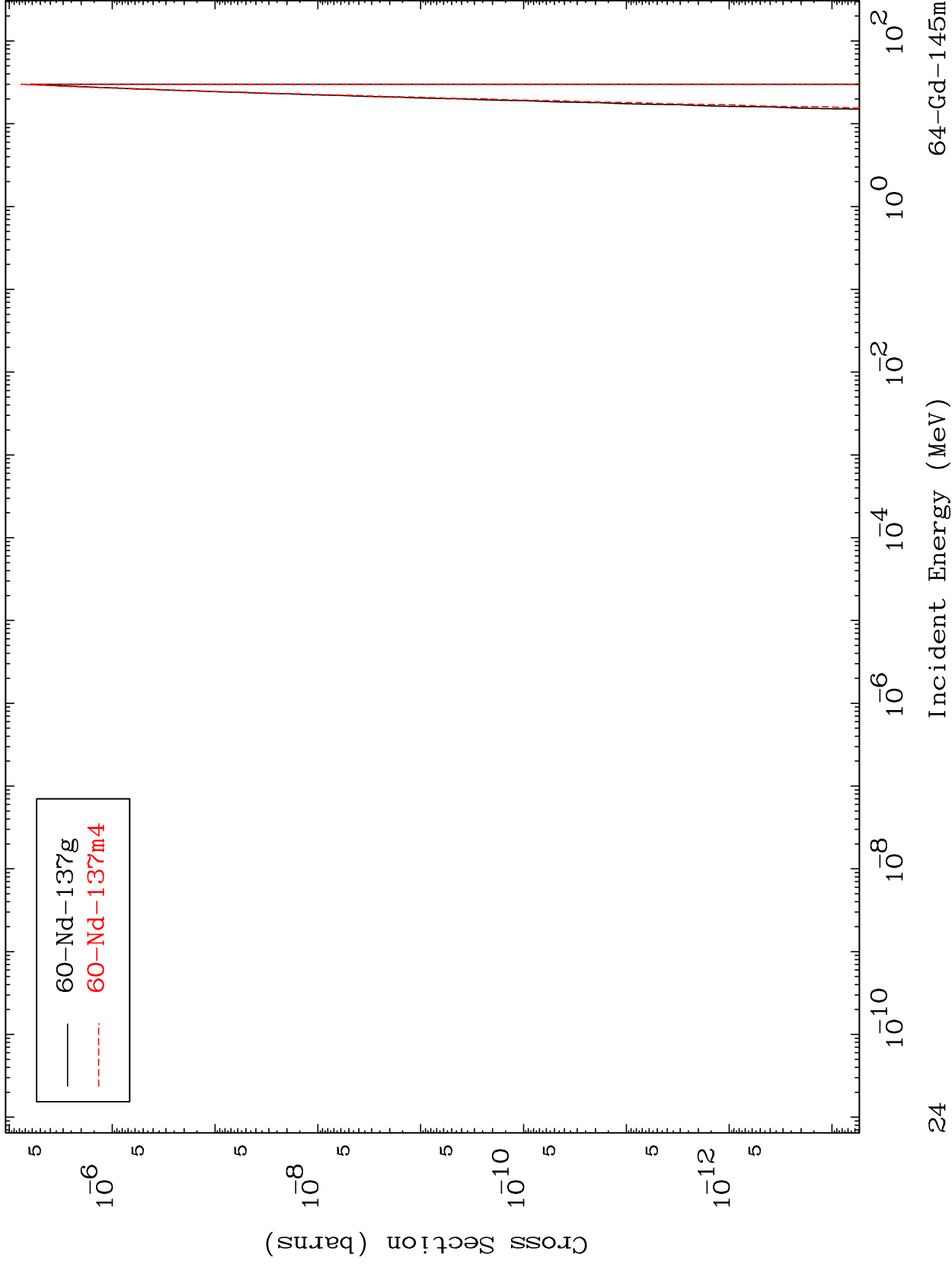
64-Gd-145m

MAT 6405

(n,n') 2α

64-Gd-145m

Radionuclide Production Cross Section



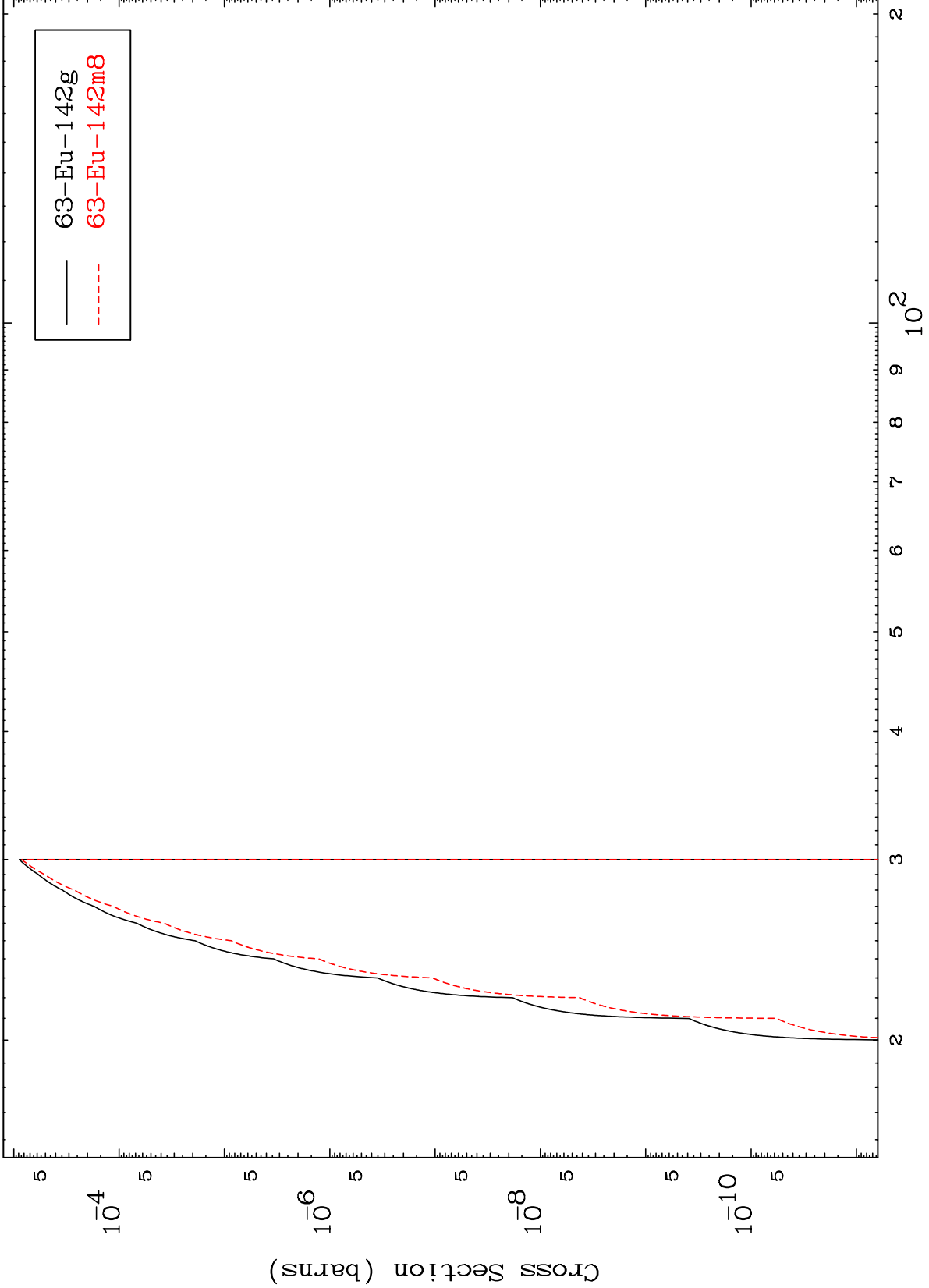
60-Nd-137g
60-Nd-137m4

MAT 6405

(n,n') t

64-Gd-145m

Radionuclide Production Cross Section



25

Incident Energy (MeV)

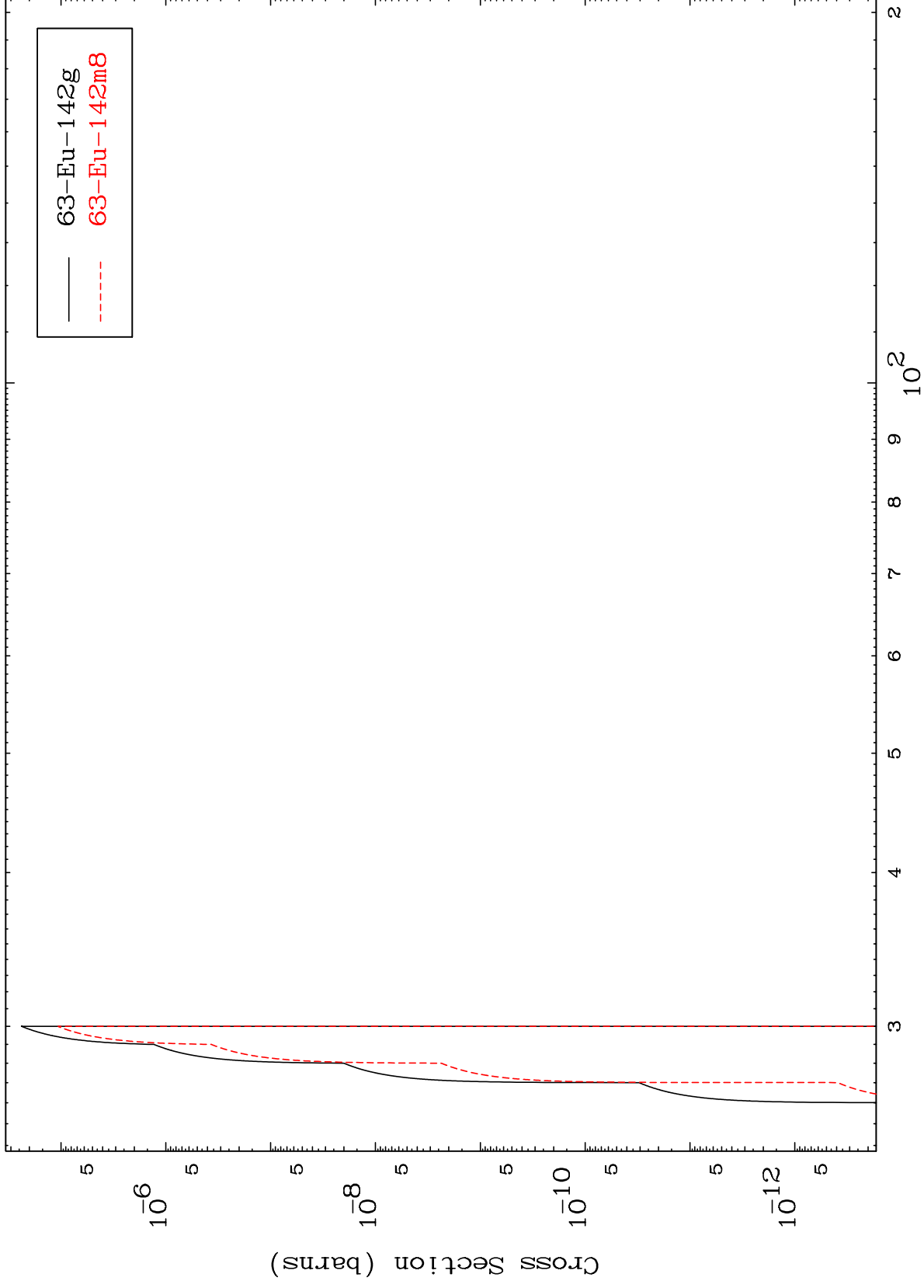
64-Gd-145m

MAT 6405

(n,3n) p

64-Gd-145m

Radionuclide Production Cross Section



26

Incident Energy (MeV)

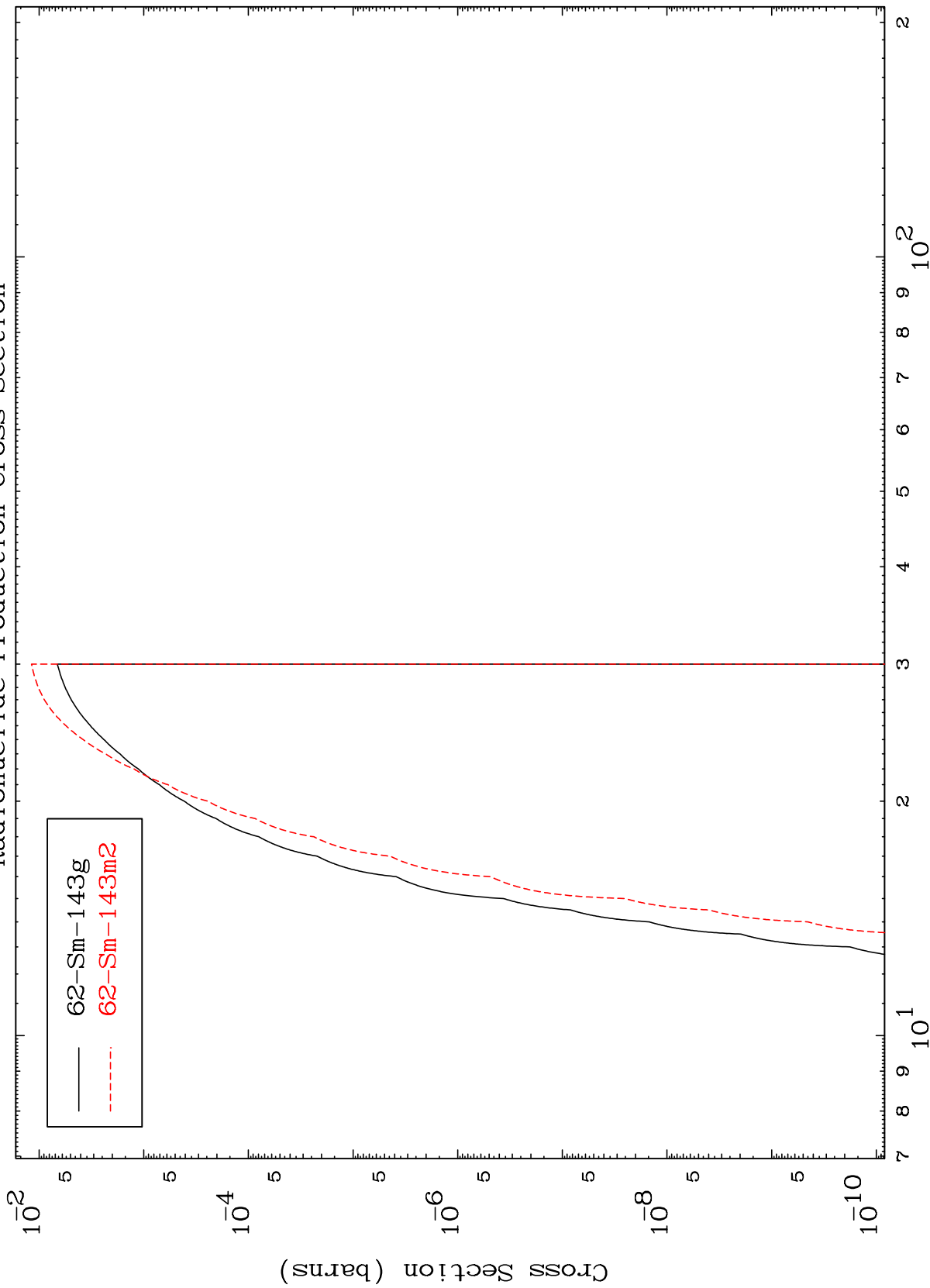
64-Gd-145m

MAT 6405

(n,2n) p

64-Gd-145m

Radionuclide Production Cross Section



Incident Energy (MeV)

64-Gd-145m

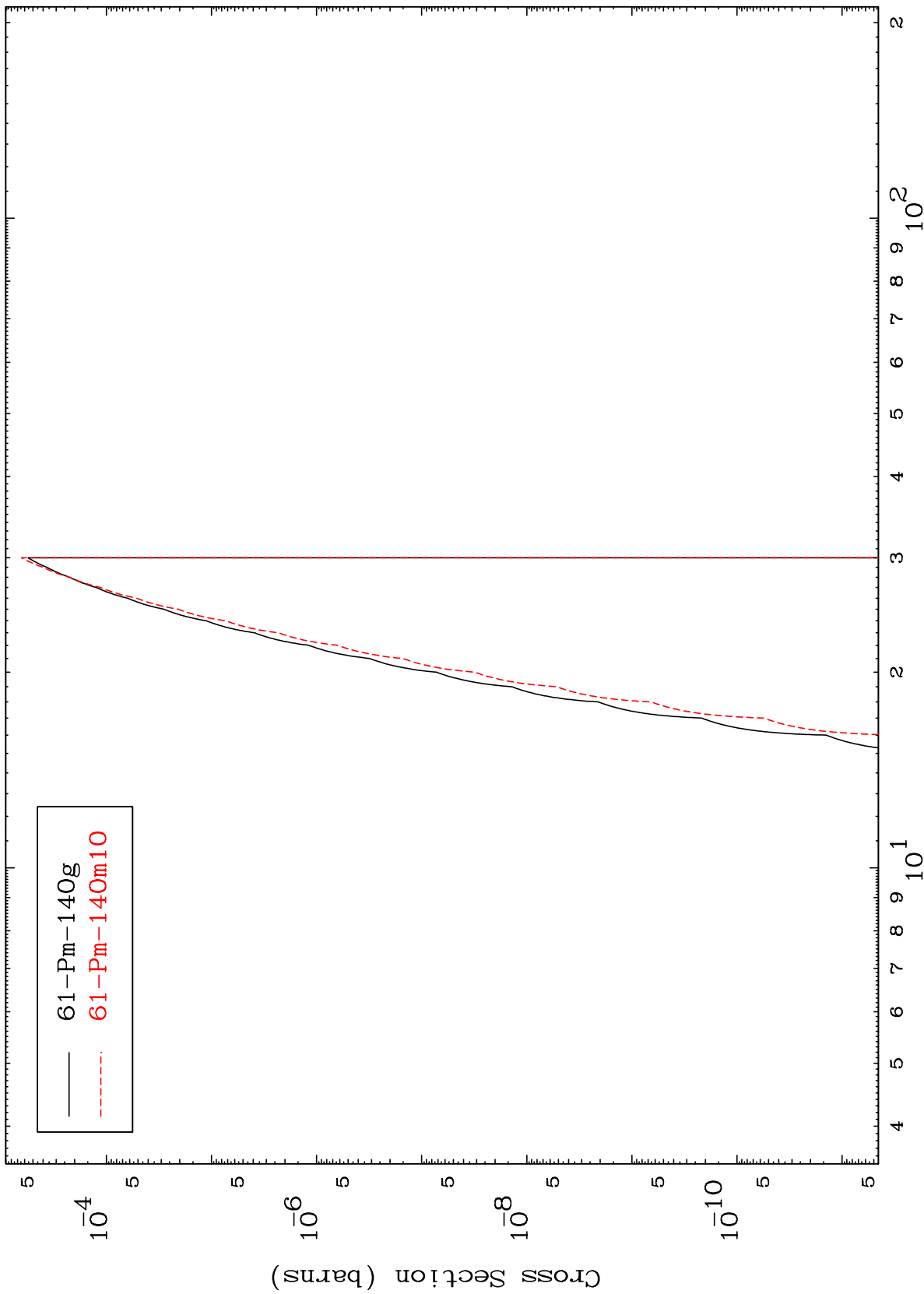
27

MAT 6405

(n,n') p α

64-Gd-145m

Radionuclide Production Cross Section

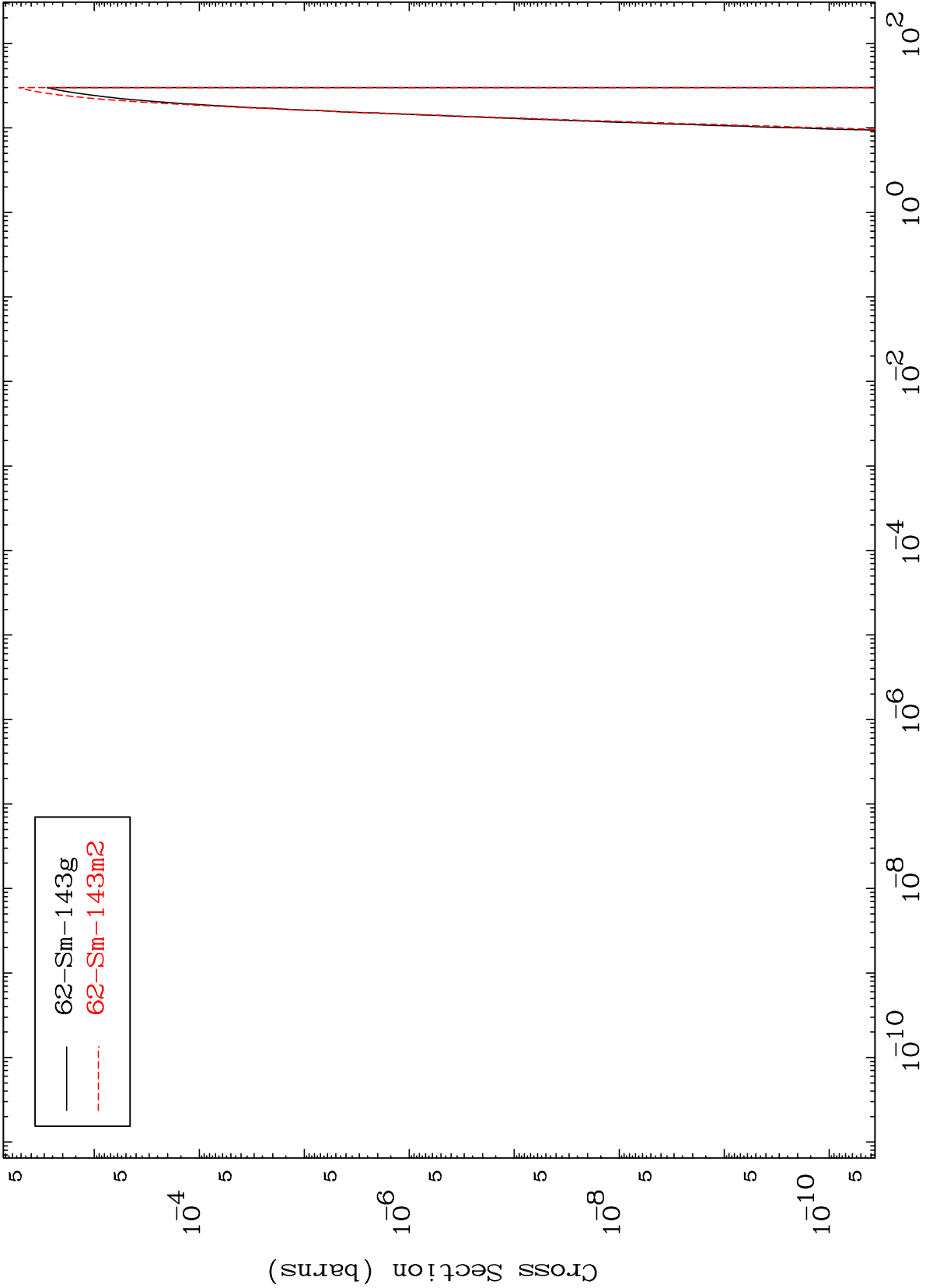


MAT 6405

(n,He-3)

64-Gd-145m

Radionuclide Production Cross Section

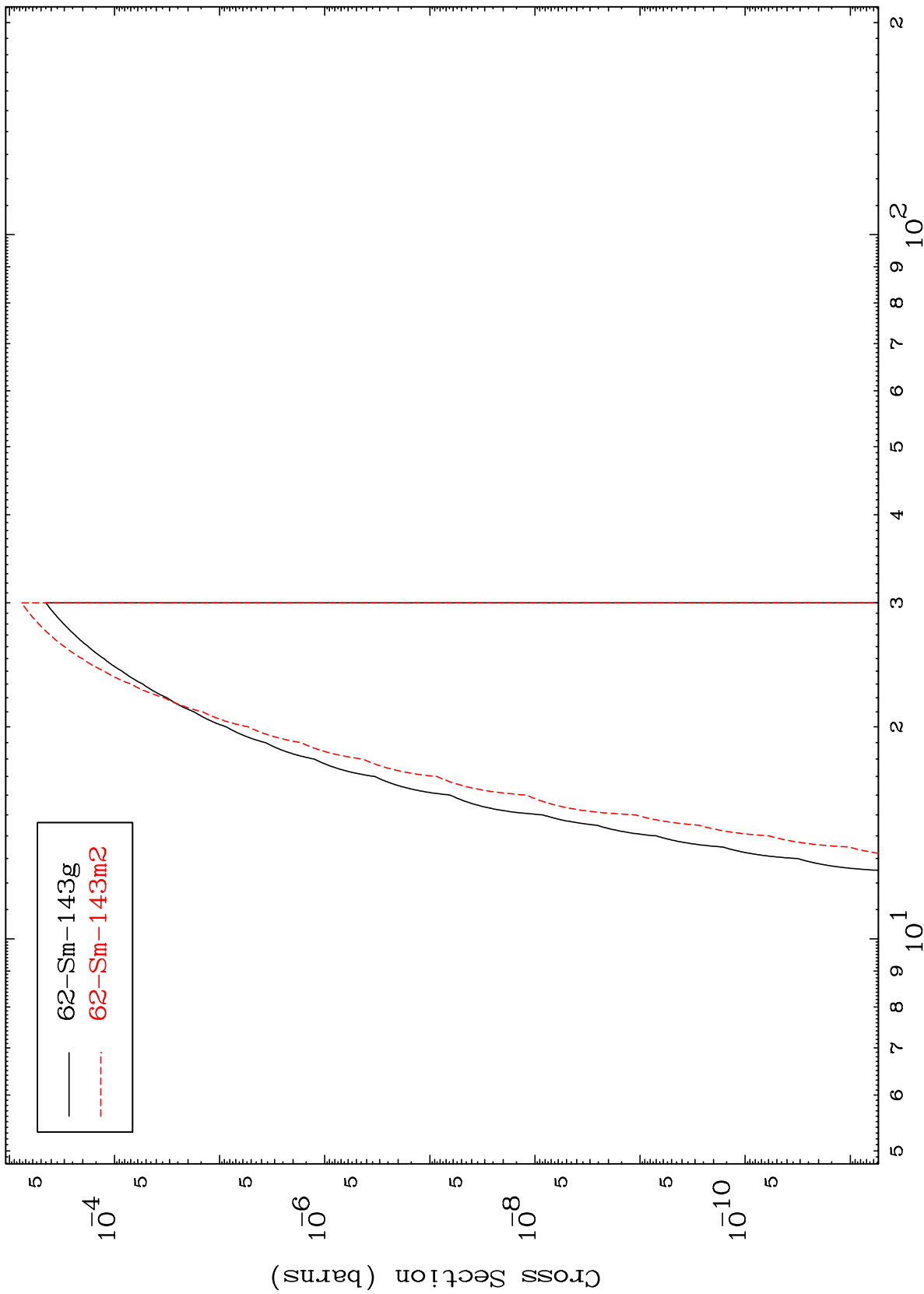


MAT 6405

(n,p) d

64-Gd-145m

Radionuclide Production Cross Section



30

Incident Energy (MeV)

64-Gd-145m

MAT 6405

(n,d) α

64-Gd-145m

Radionuclide Production Cross Section

