

Program EVALPLOT  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

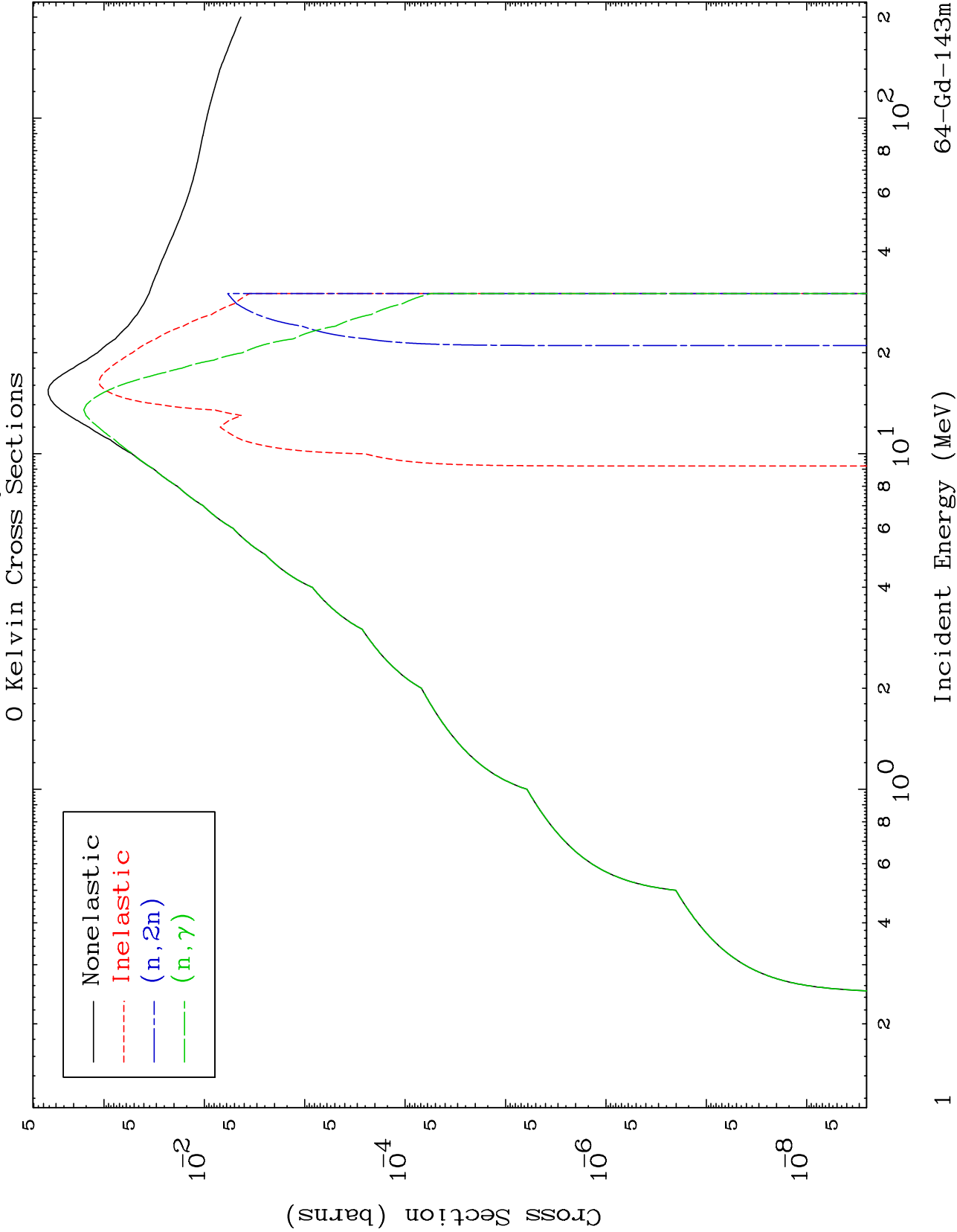
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6399

Photon Major

64-Gd-143m

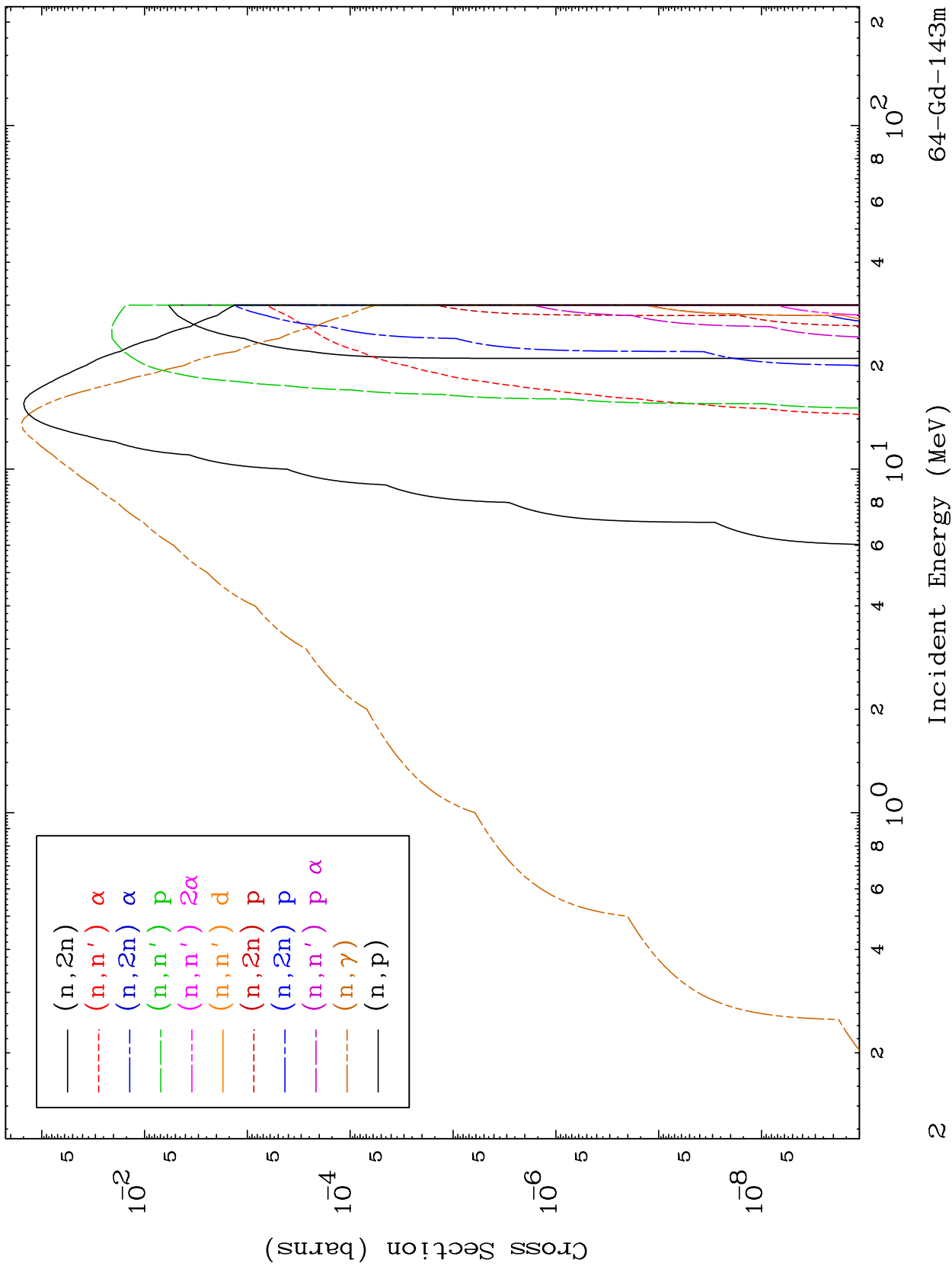


Legend:  
— Nonelastic  
- - - Inelastic  
- · - (n, 2n)  
- - - (n,  $\gamma$ )

MAT 6399

Photon Neutron Absorption  
0 Kelvin Cross Sections

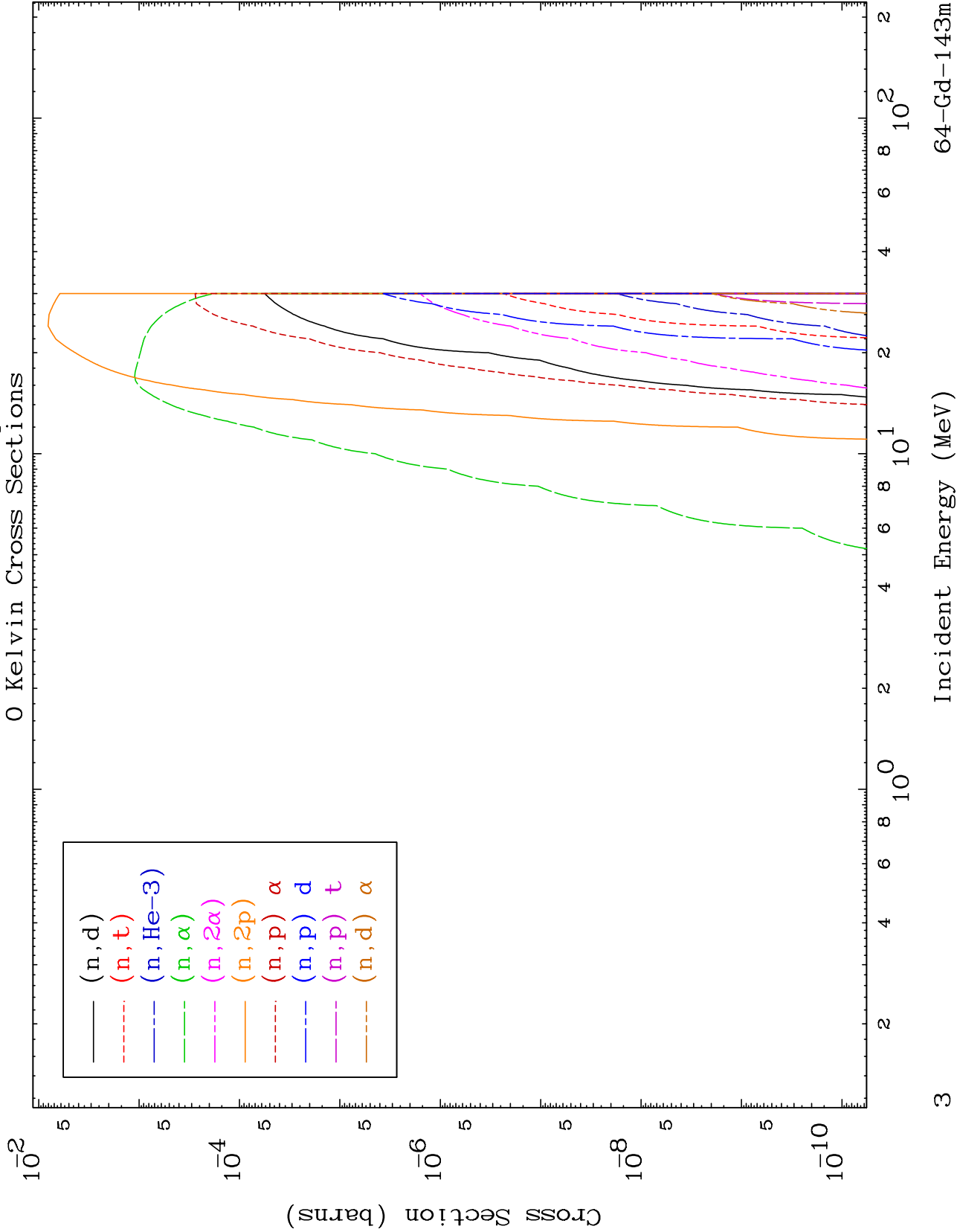
64-Gd-143m

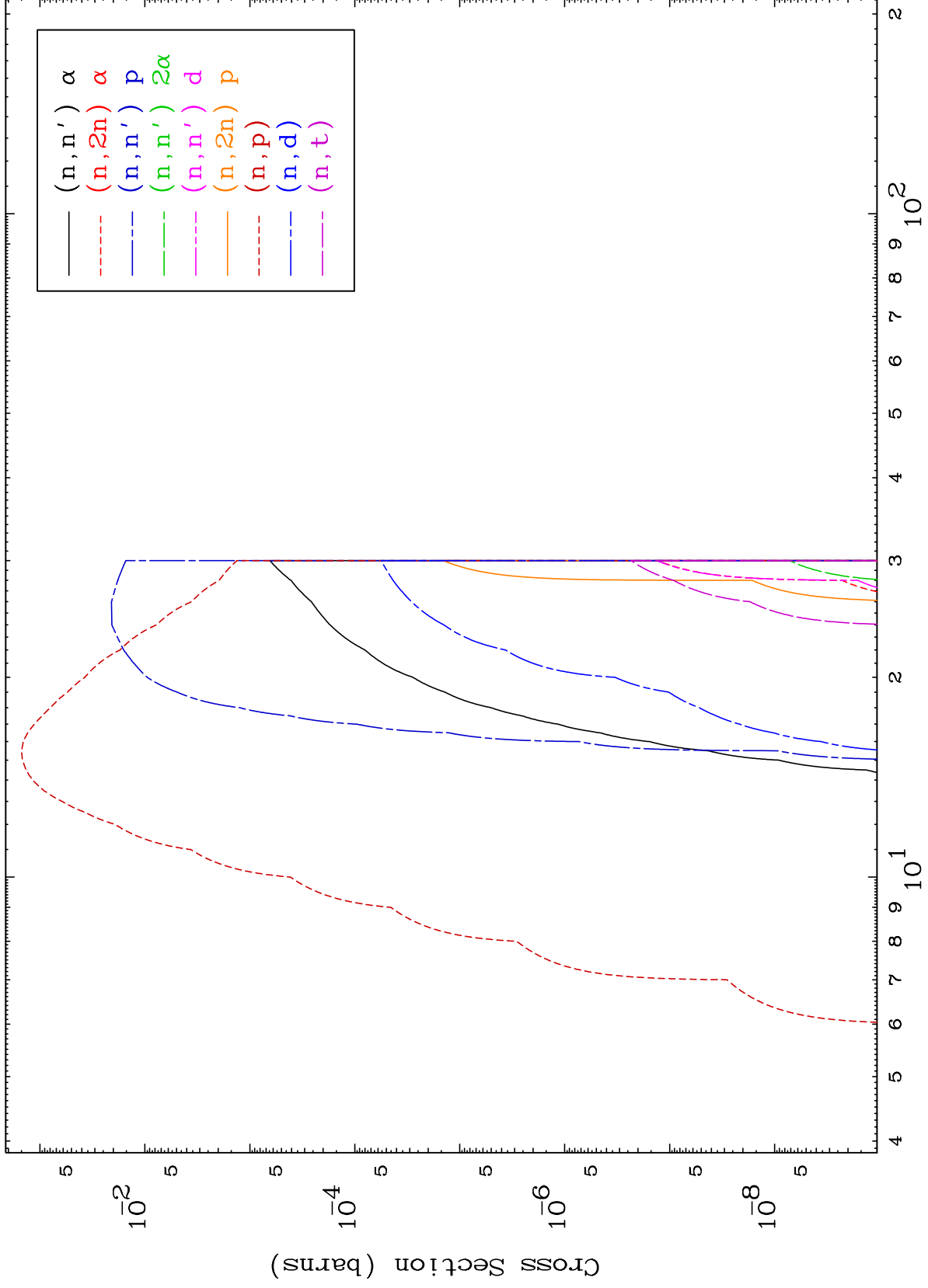


MAT 6399

Photon Neutron Absorption  
0 Kelvin Cross Sections

64-Gd-143m

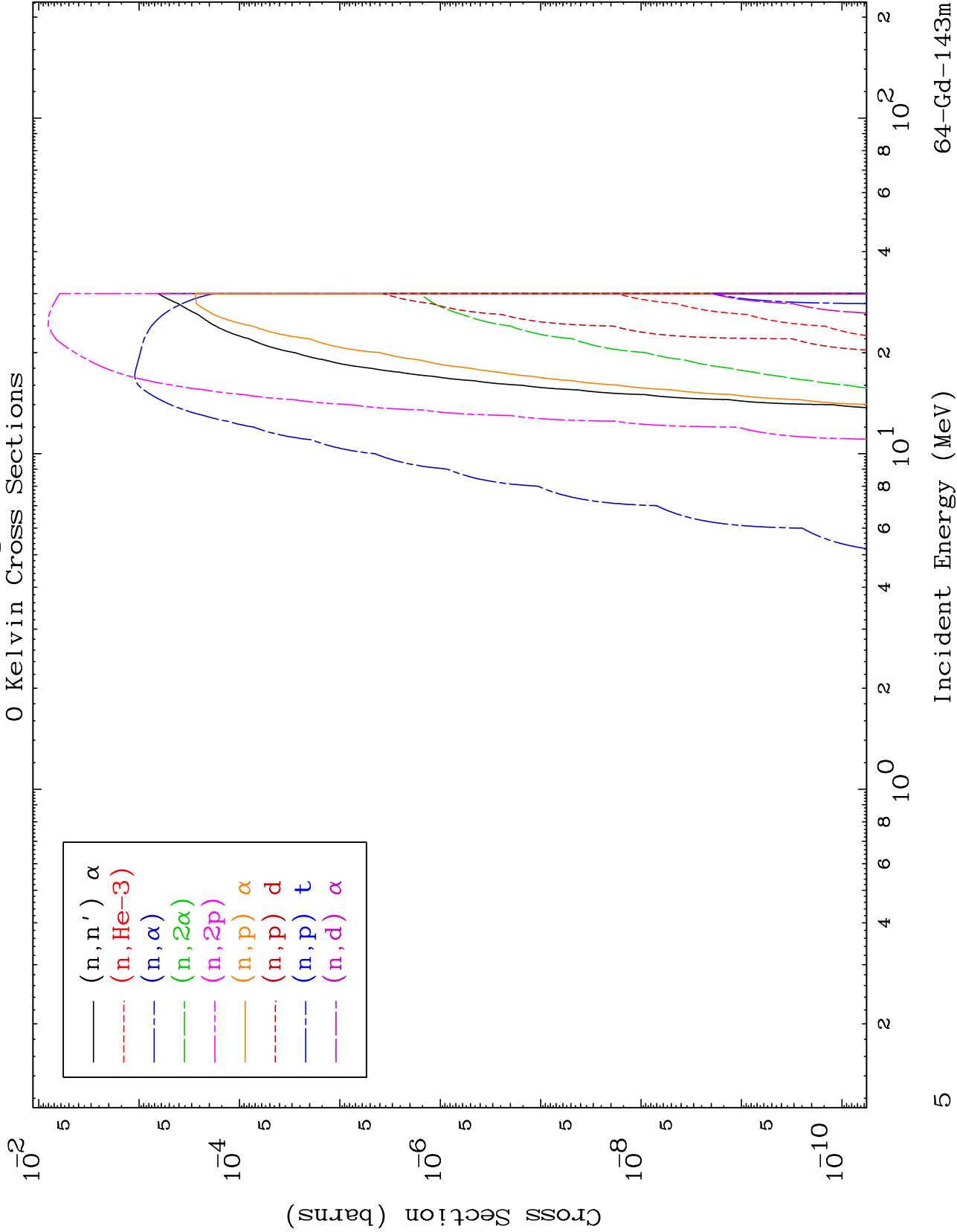




MAT 6399

Photon Charged Particle  
0 Kelvin Cross Sections

64-Gd-143m

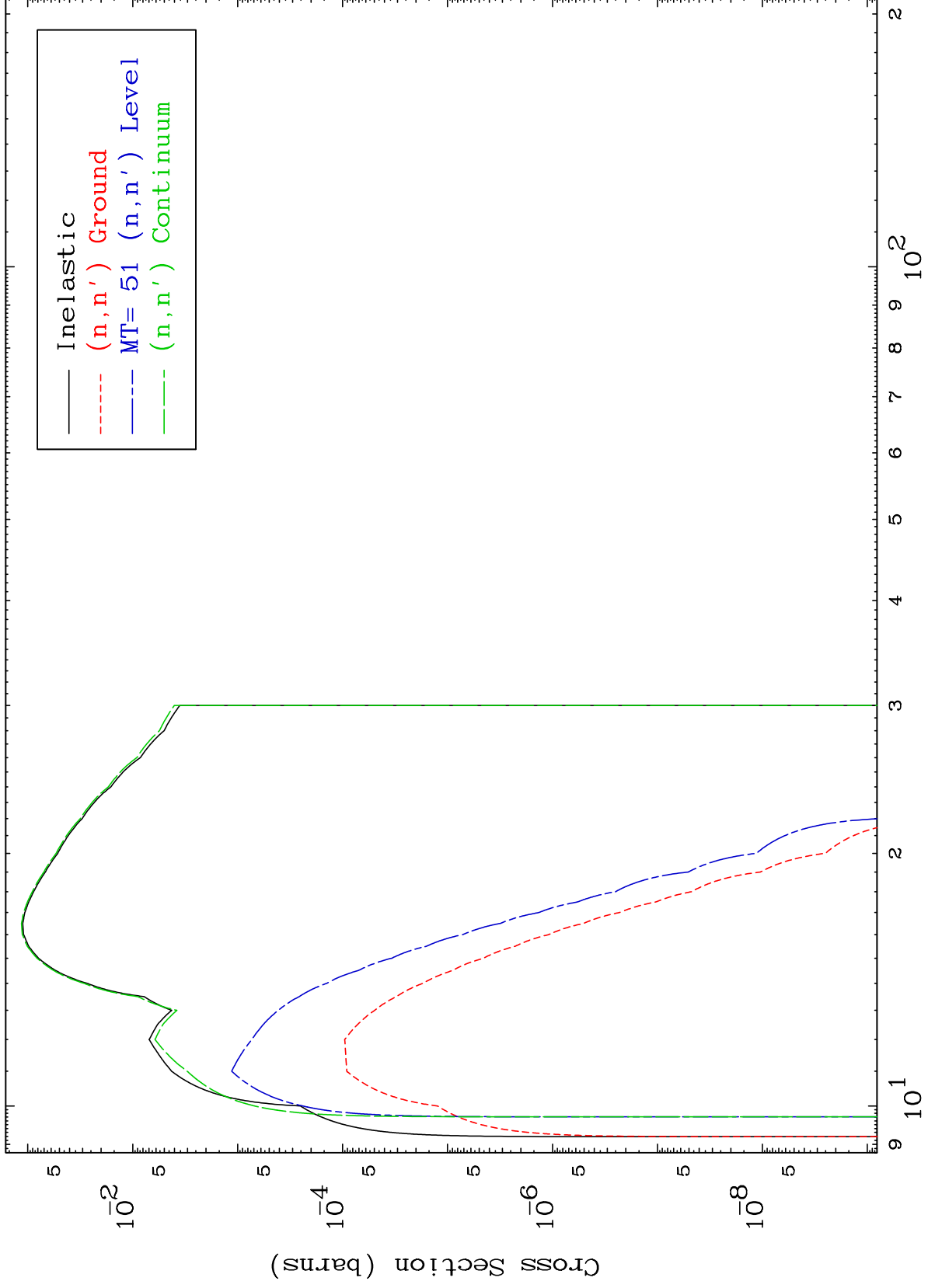


MAT 6399

( $\gamma, n'$ ) Levels

64-Gd-143m

0 Kelvin Cross Sections



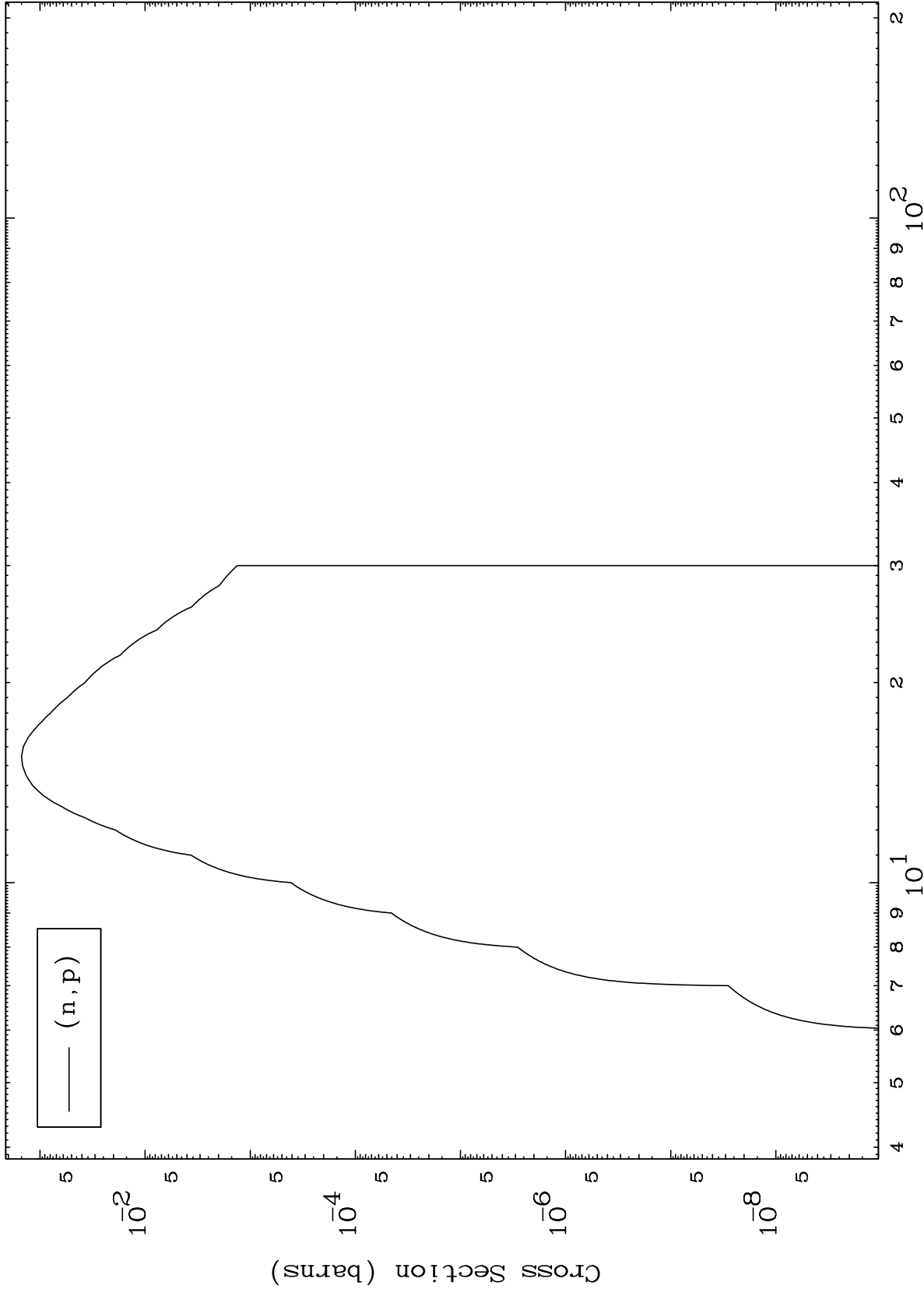
Incident Energy (MeV)

64-Gd-143m

MAT 6399

( $\gamma, p$ ) Levels  
0 Kelvin Cross Sections

64-Gd-143m



64-Gd-143m

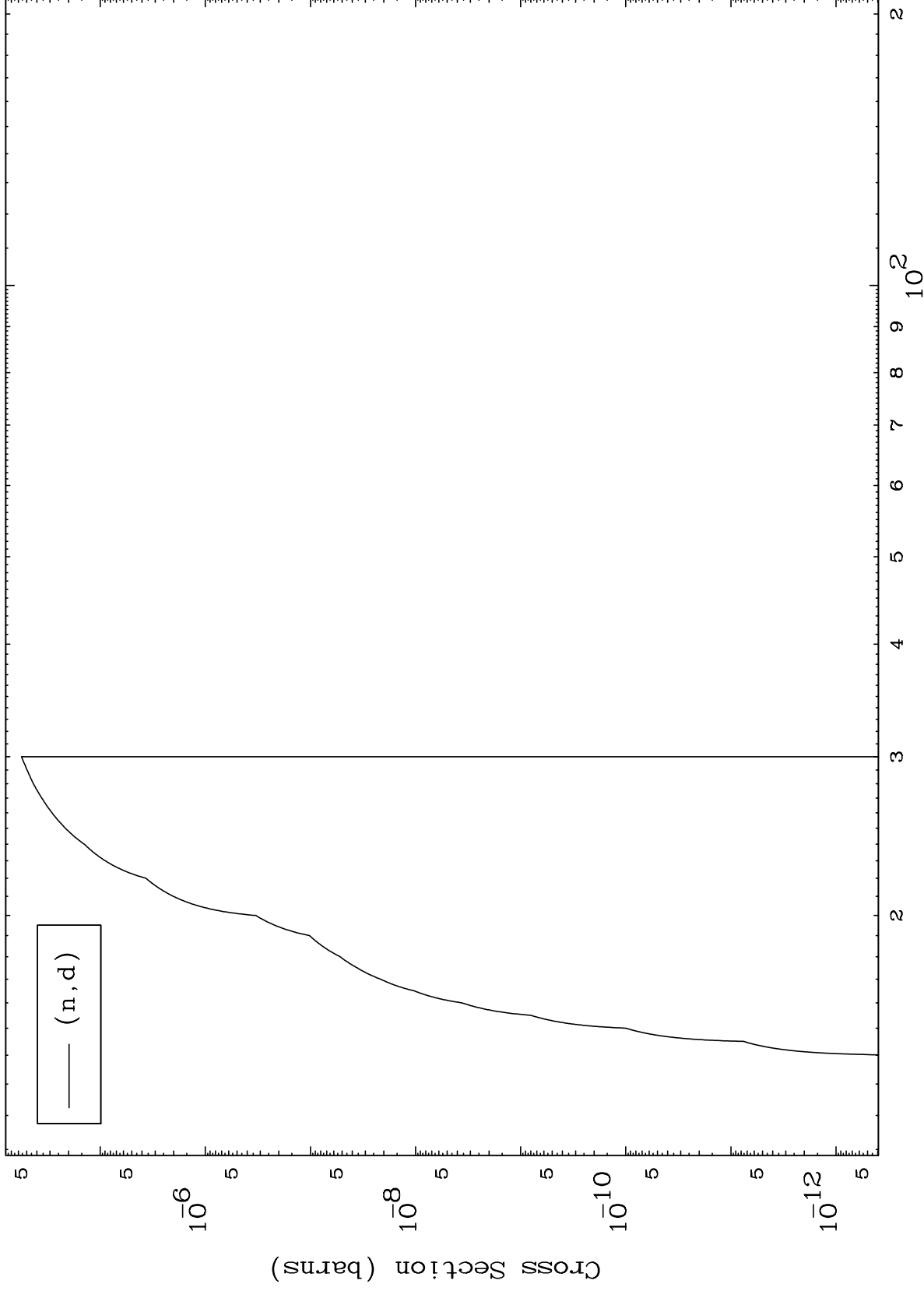
Incident Energy (MeV)

7

MAT 6399

( $\gamma, d$ ) Levels  
0 Kelvin Cross Sections

64-Gd-143m



8

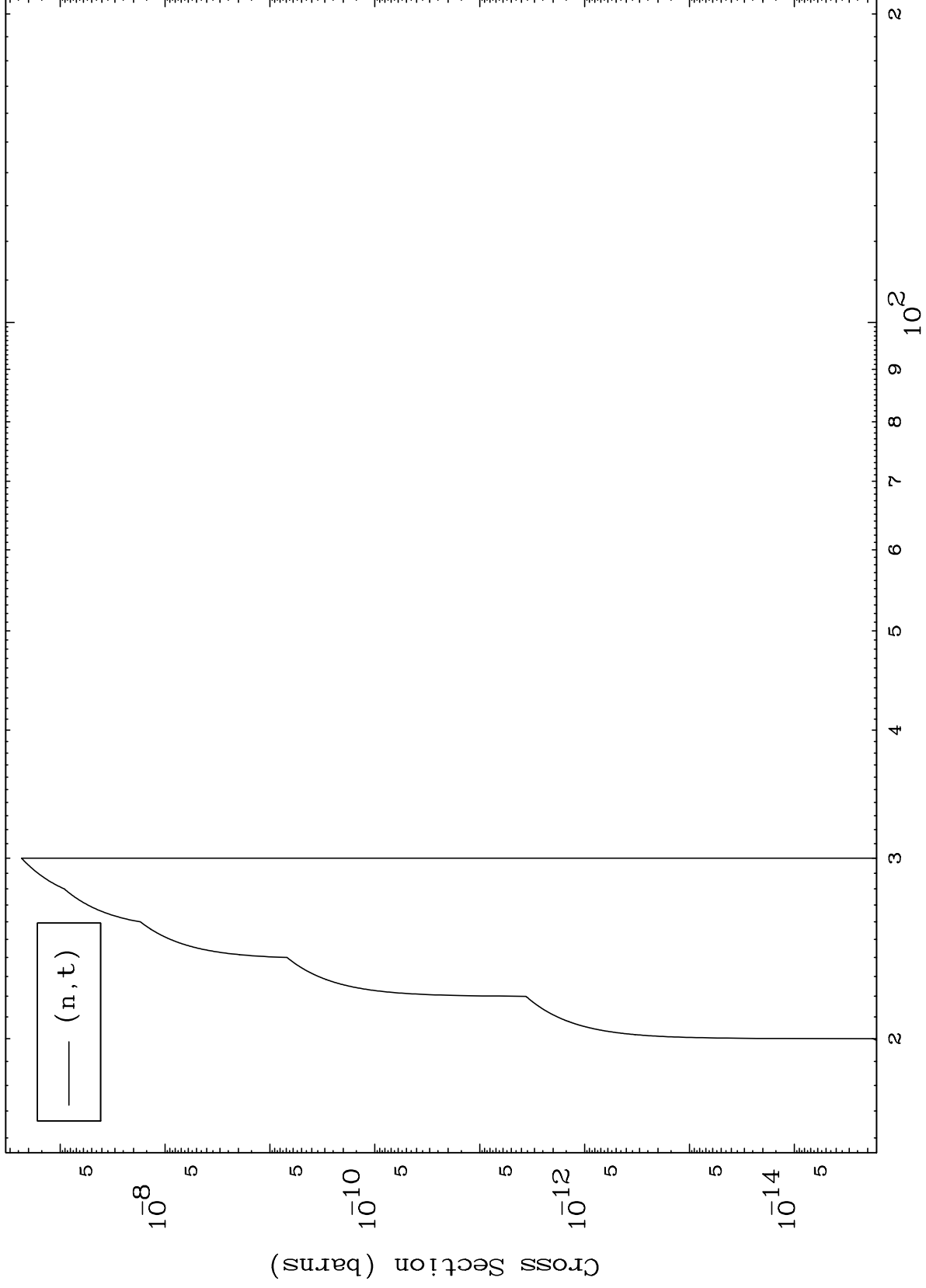
Incident Energy (MeV)

64-Gd-143m

MAT 6399

( $\gamma, t$ ) Levels  
0 Kelvin Cross Sections

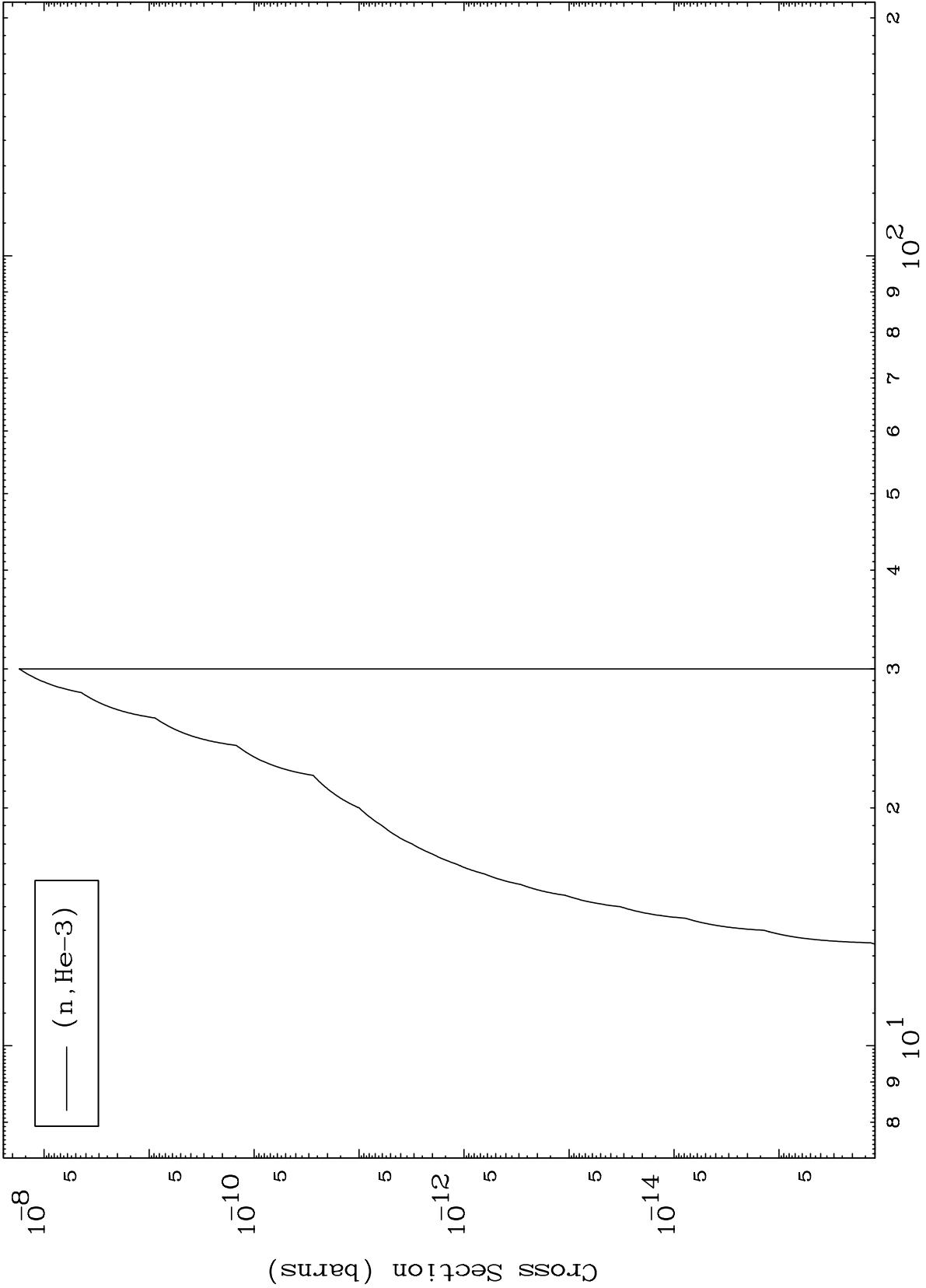
64-Gd-143m



MAT 6399

( $\gamma$ ,He3) Levels  
0 Kelvin Cross Sections

64-Gd-143m



10

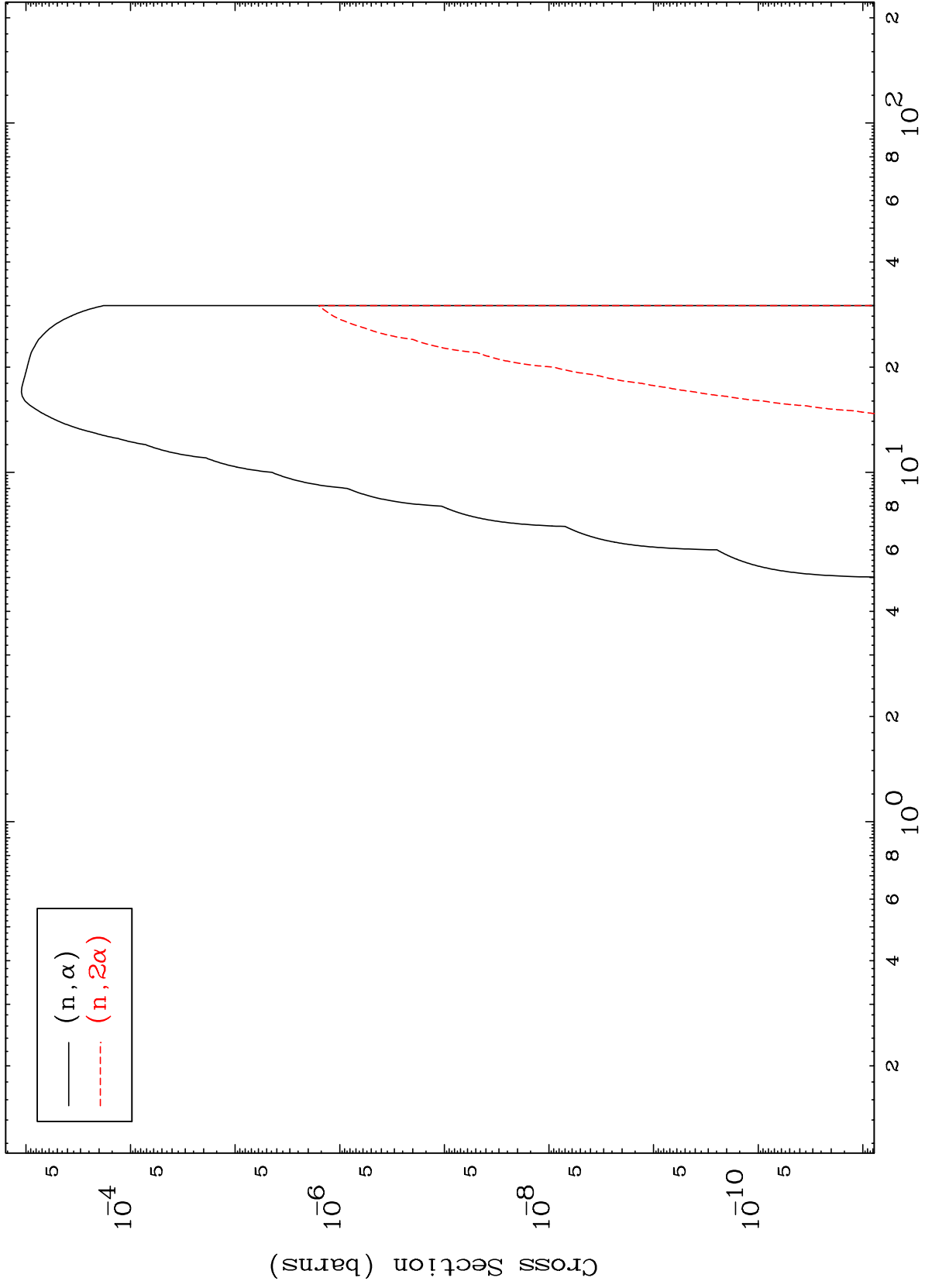
Incident Energy (MeV)

64-Gd-143m

MAT 6399

$(\gamma, \alpha)$  Levels  
0 Kelvin Cross Sections

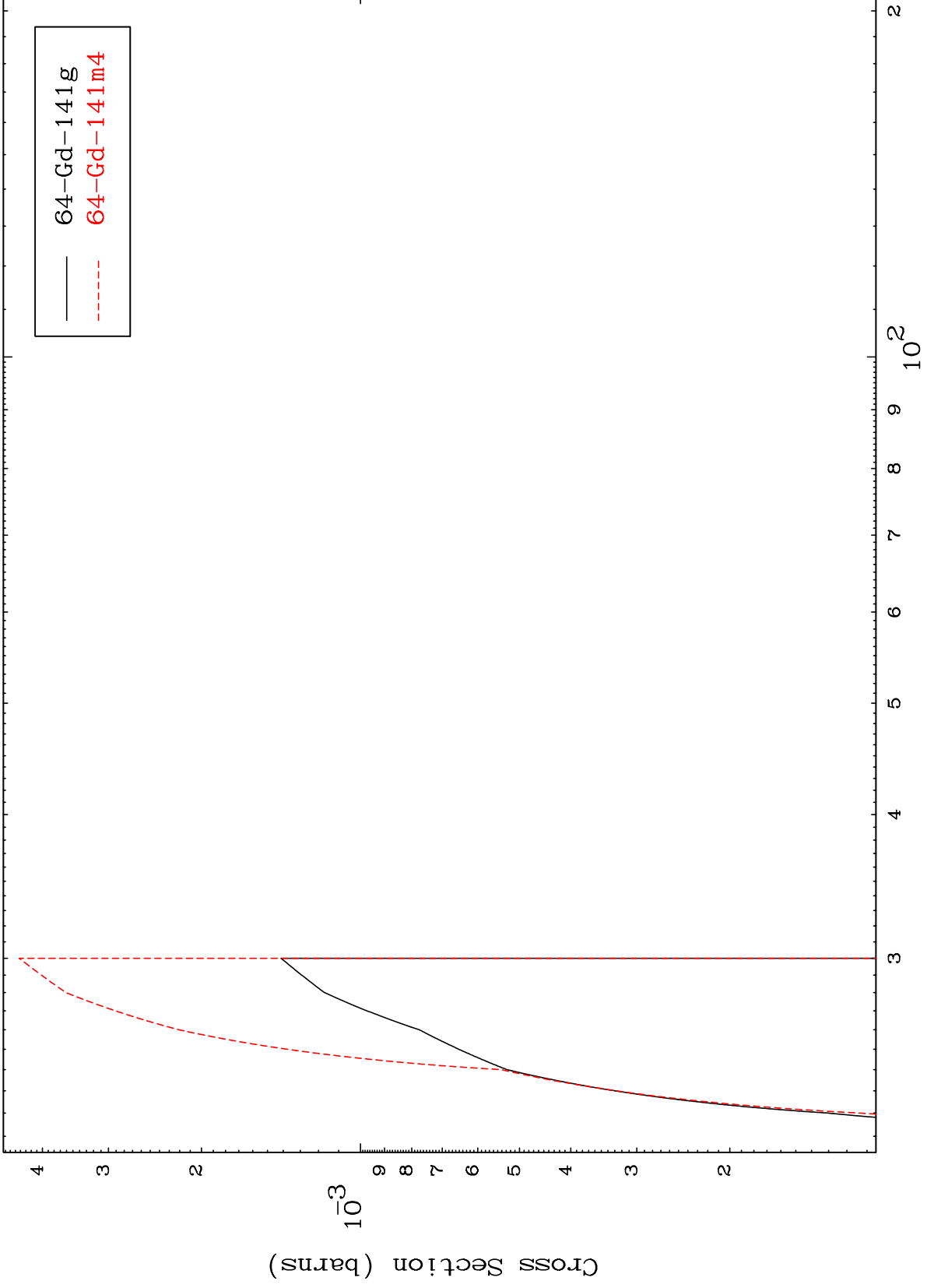
64-Gd-143m



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64-Gd-143m

(n,2n)  
Radionuclide Production Cross Section



12

Incident Energy (MeV)

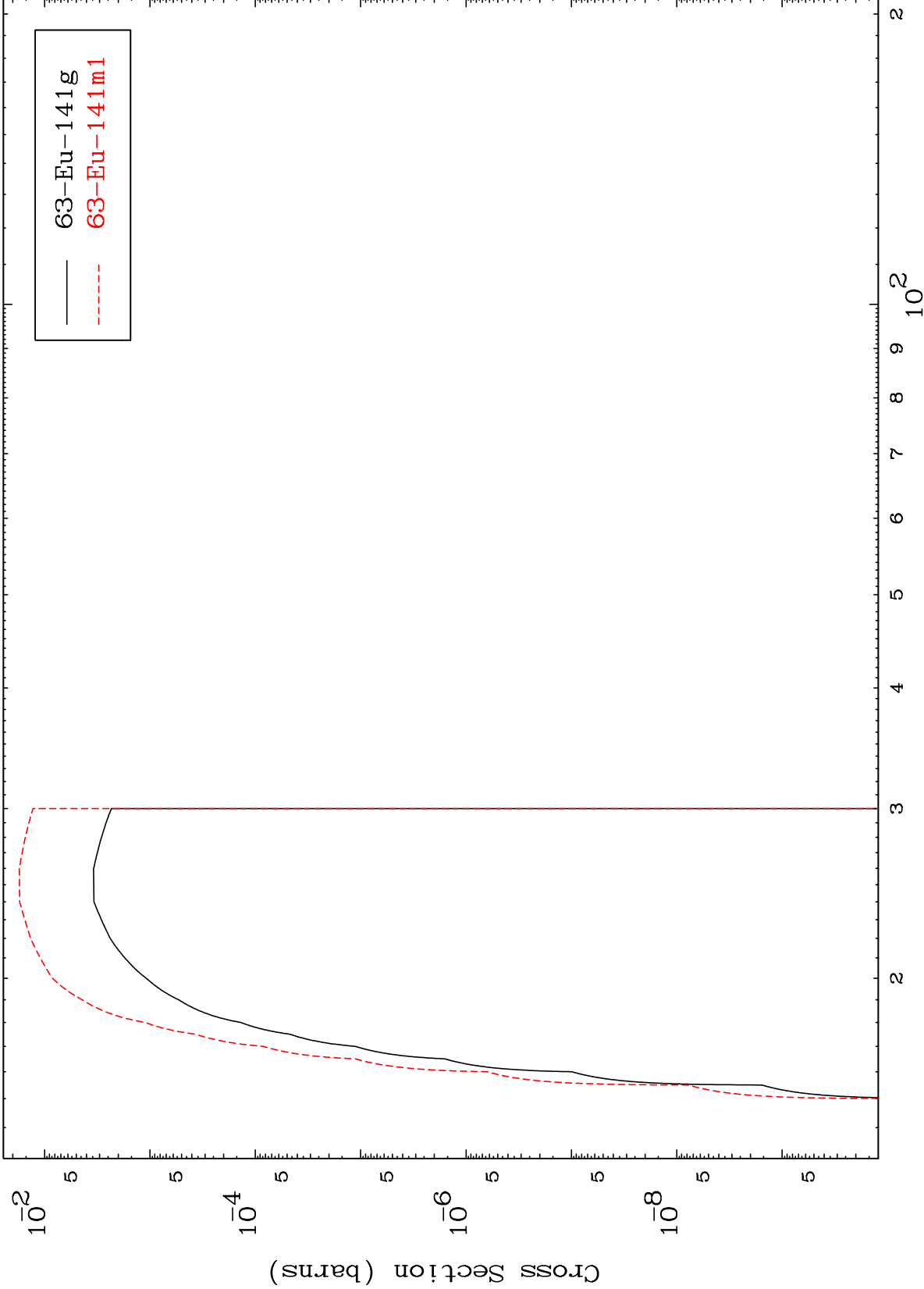
64-Gd-143m

MAT 6399

(n,n') p

64-Gd-143m

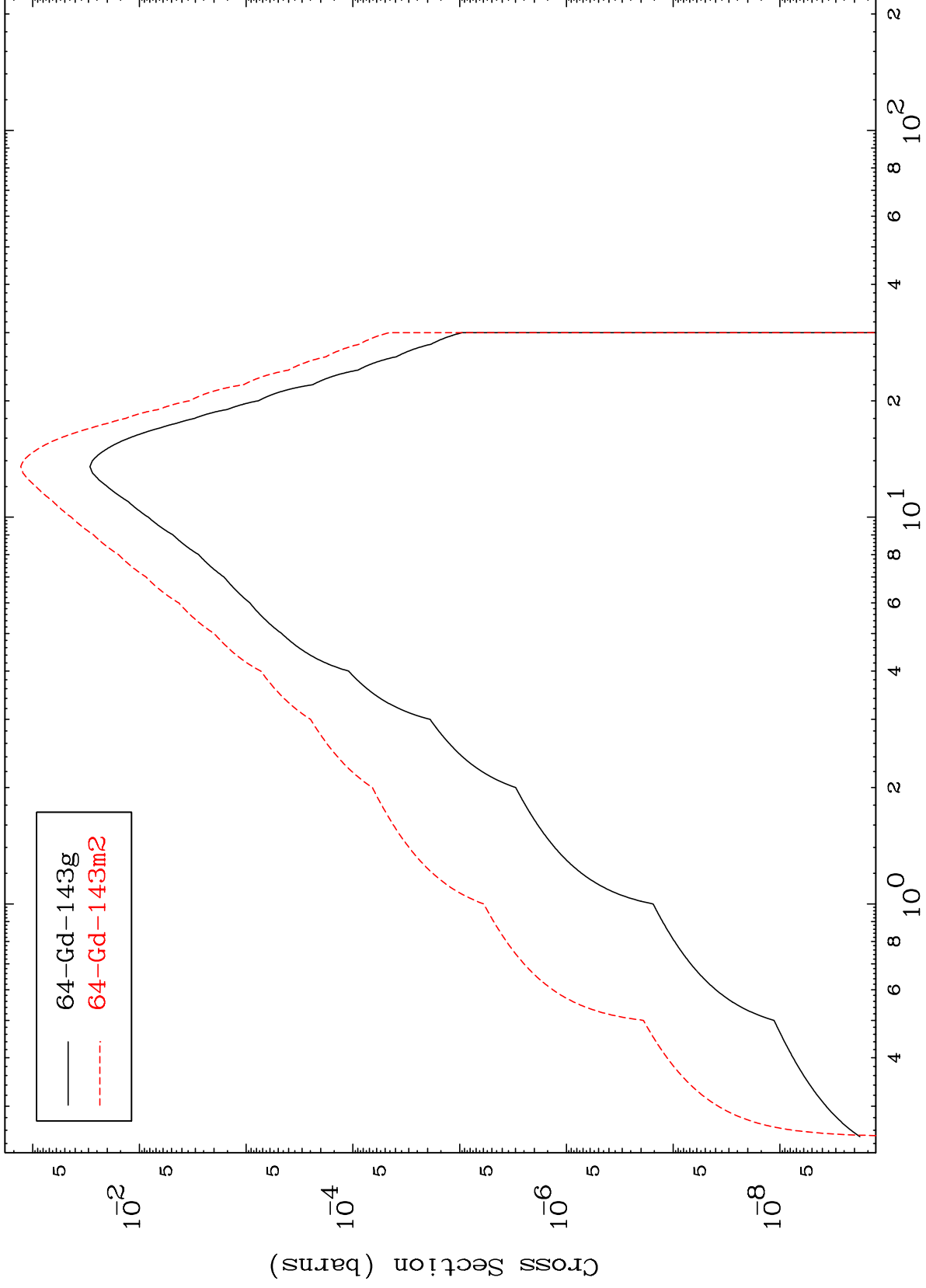
Radionuclide Production Cross Section



MAT 6399

64-Gd-143m

Radionuclide Production Cross Section  
(n,  $\gamma$ )



14

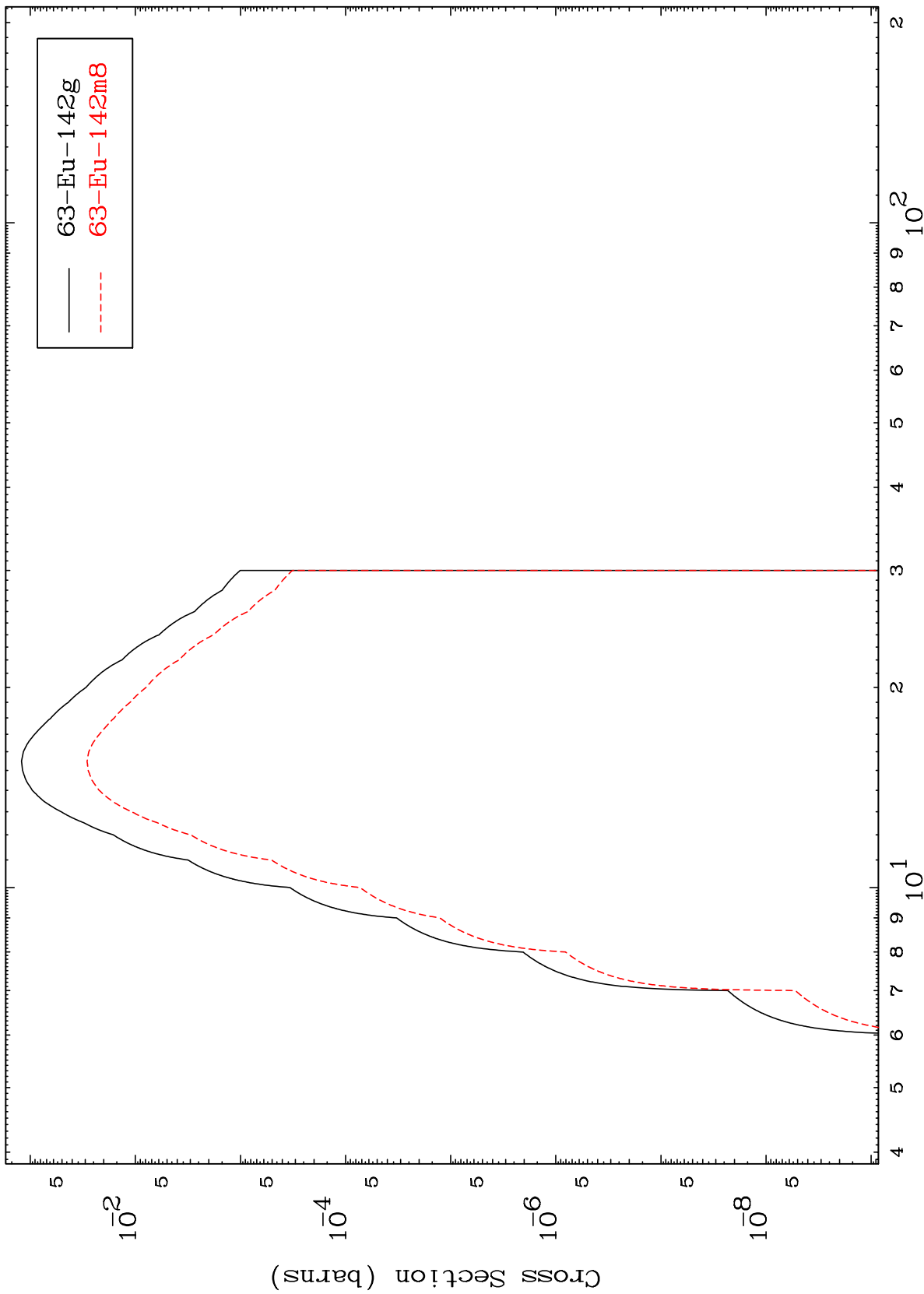
Incident Energy (MeV)

64-Gd-143m

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64-Gd-143m

Radionuclide Production Cross Section (n,p)



15

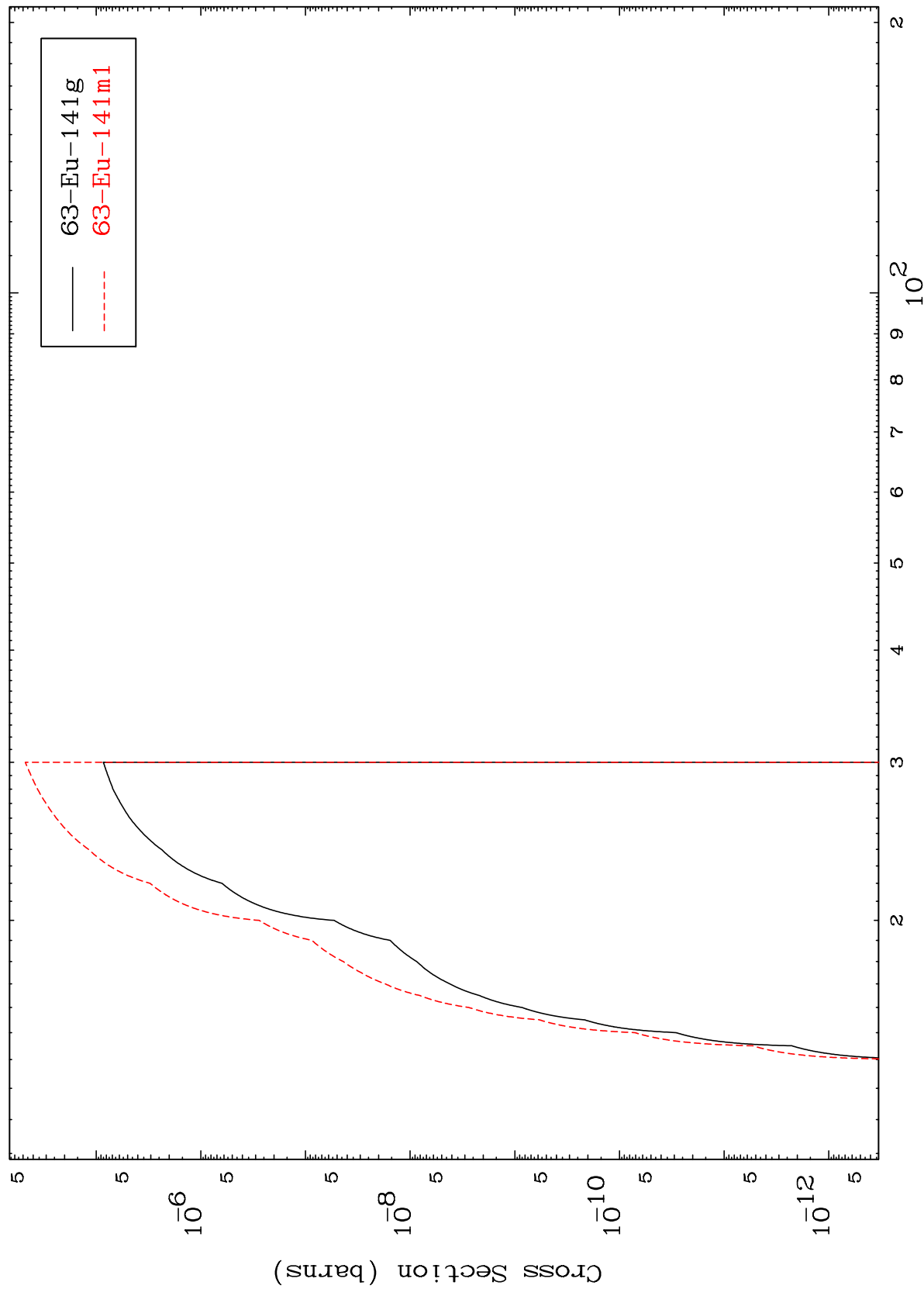
Incident Energy (MeV)

64-Gd-143m

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64-Gd-143m

(n,d)  
Radionuclide Production Cross Section



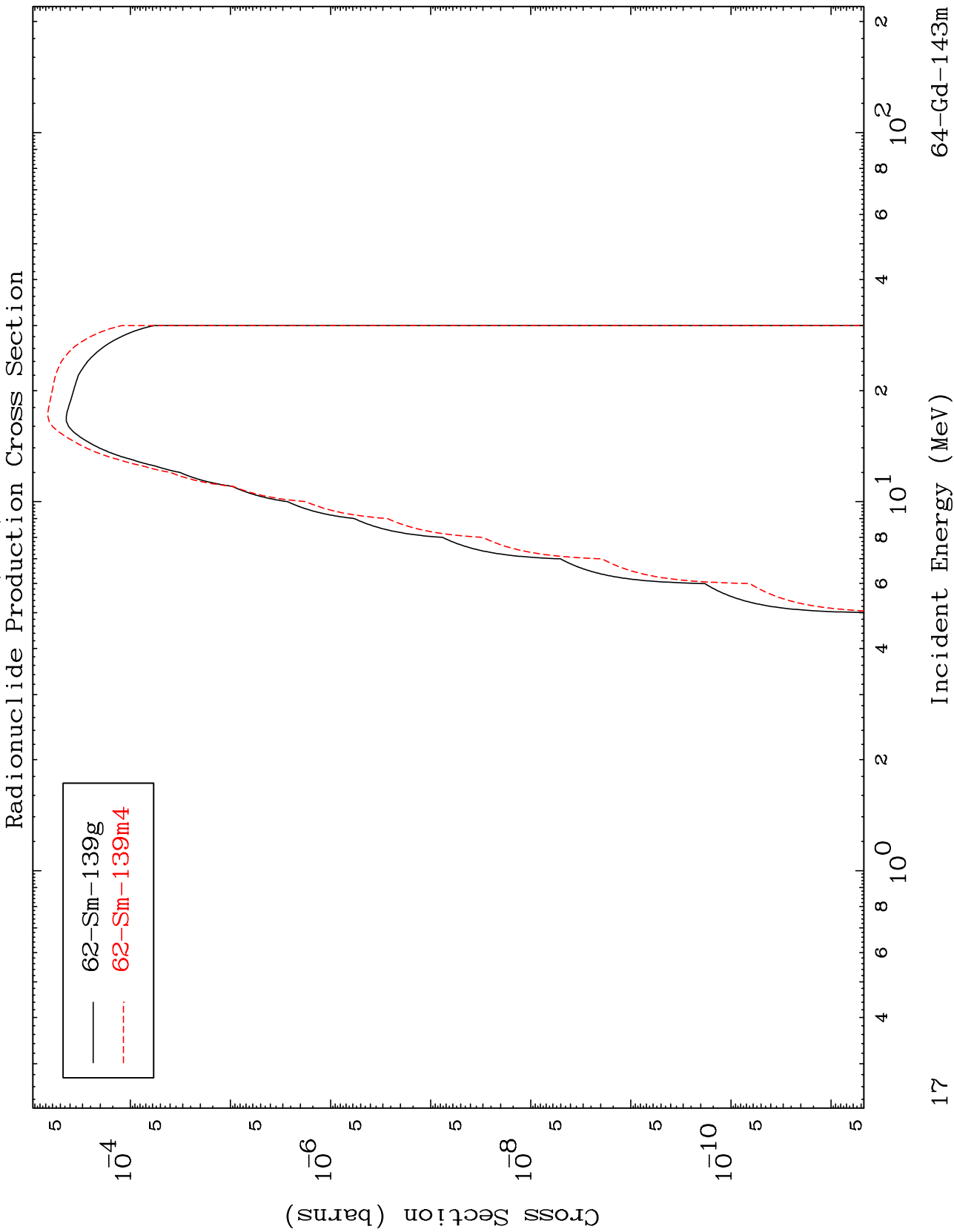
16

Incident Energy (MeV)

64-Gd-143m

MAT 6399

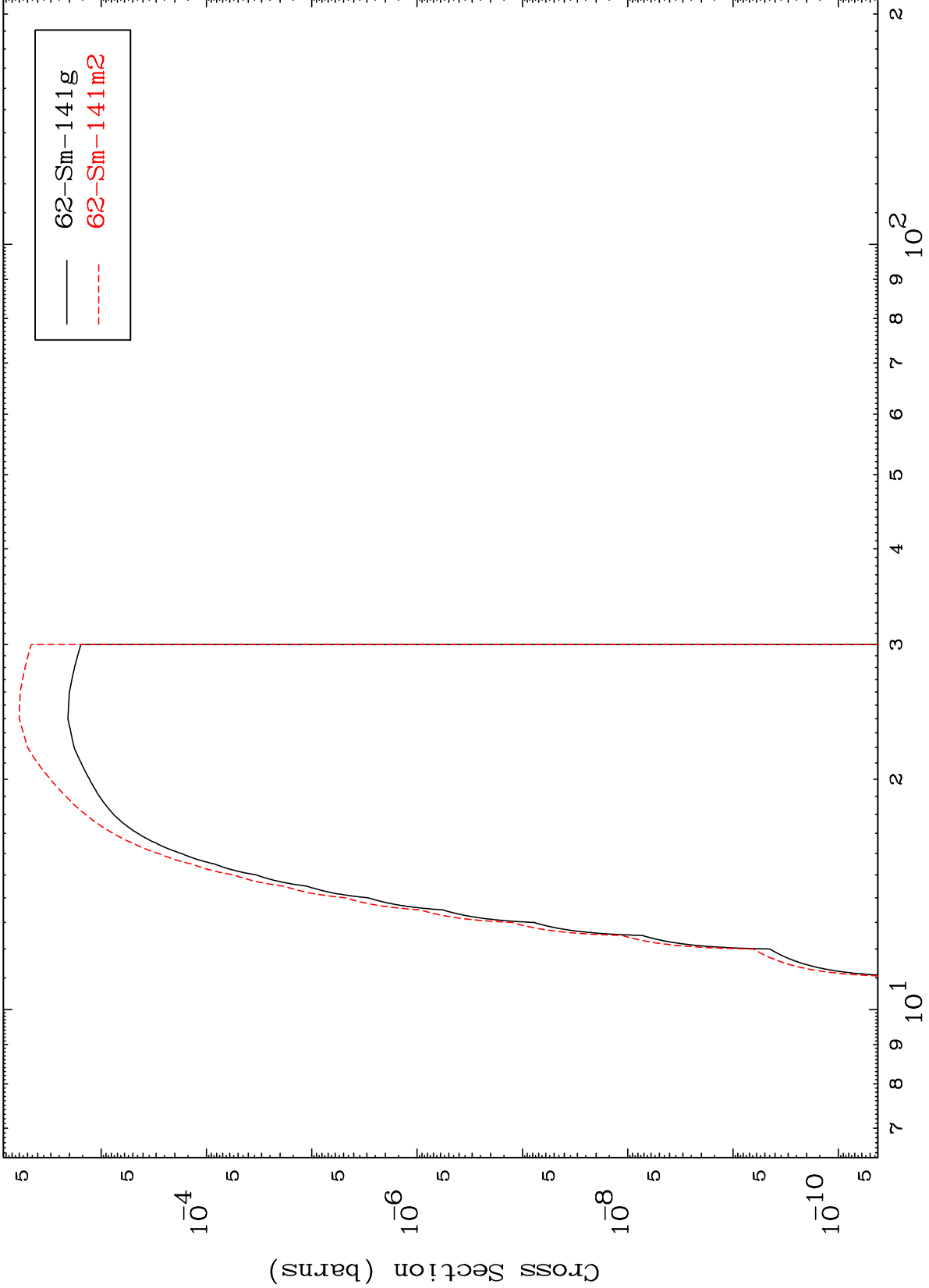
64-Gd-143m



MAT 6399

64-Gd-143m

(n,2p)  
Radionuclide Production Cross Section



18

Incident Energy (MeV)

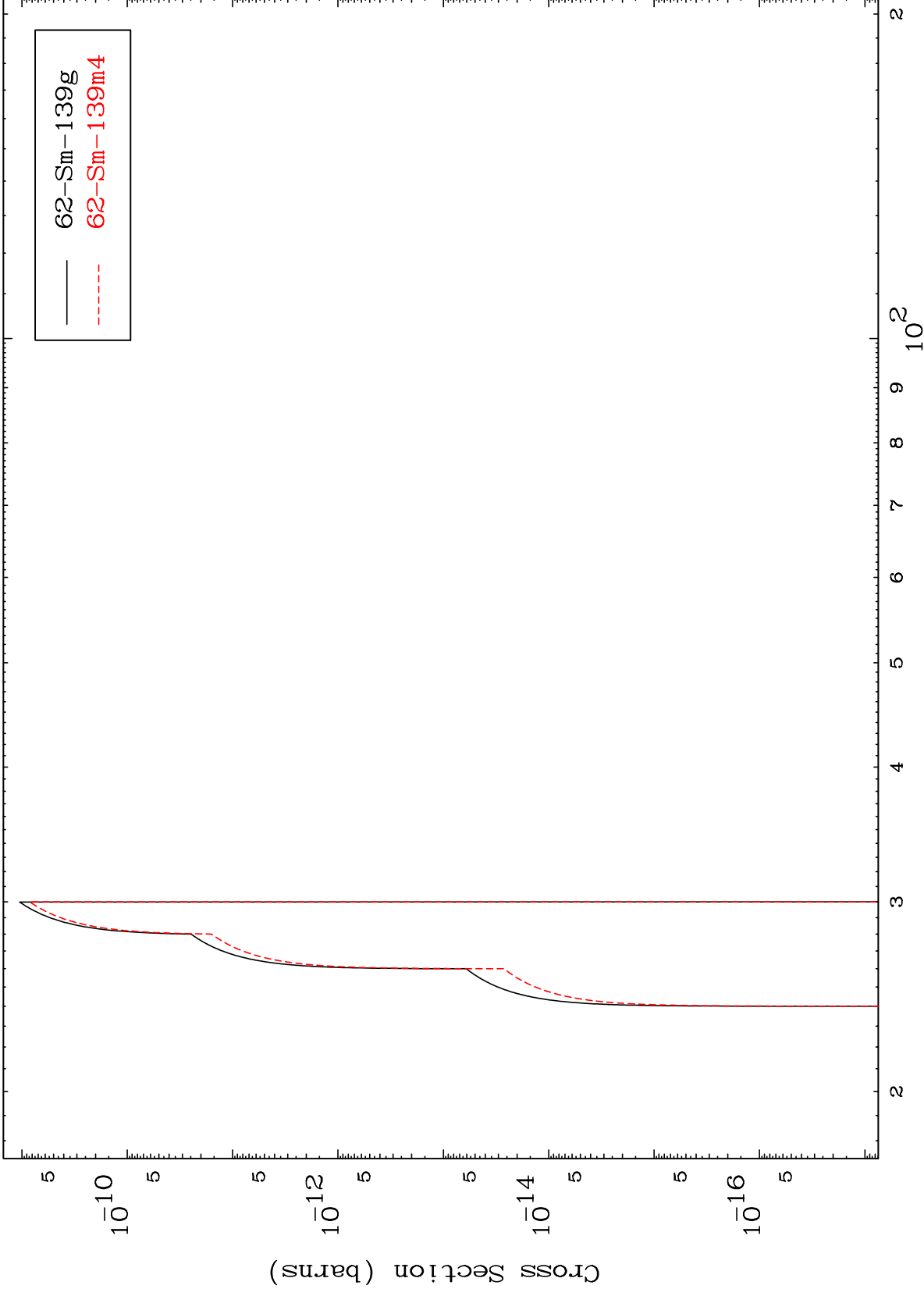
64-Gd-143m

MAT 6399

(n,p) t

64-Gd-143m

Radionuclide Production Cross Section



19

Incident Energy (MeV)

64-Gd-143m