

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

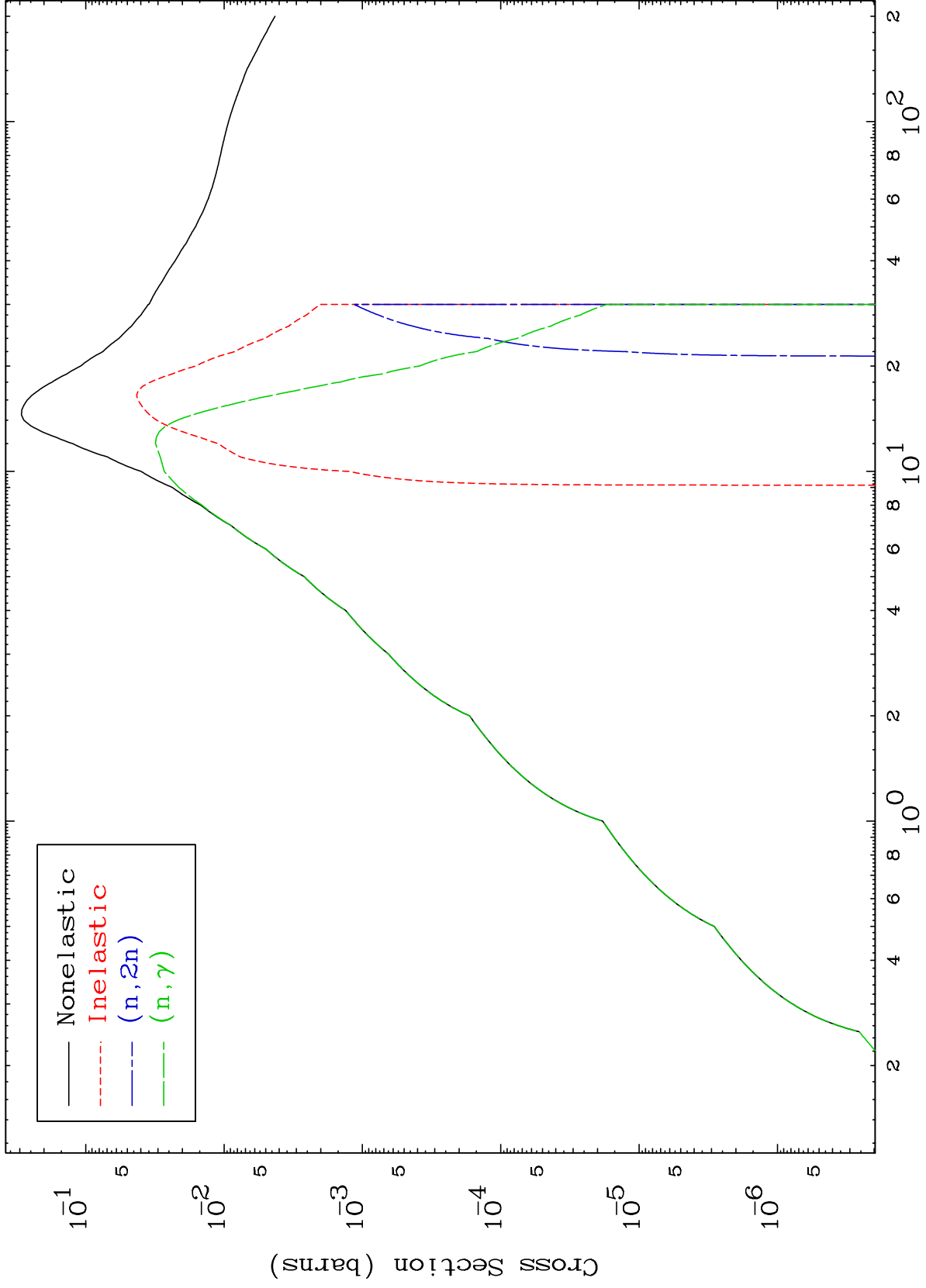
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6393

Photon Major  
0 Kelvin Cross Sections

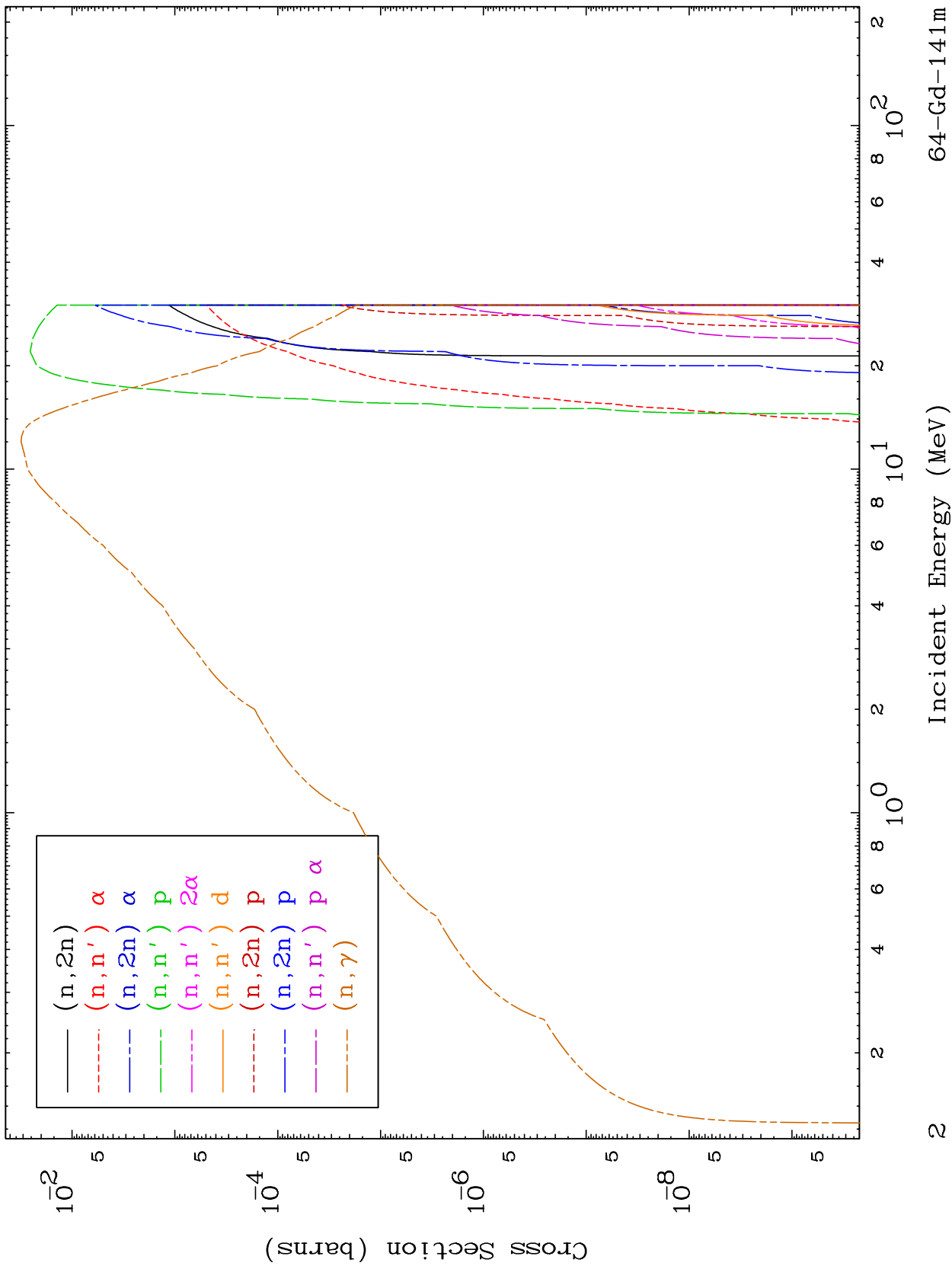
64-Gd-141m

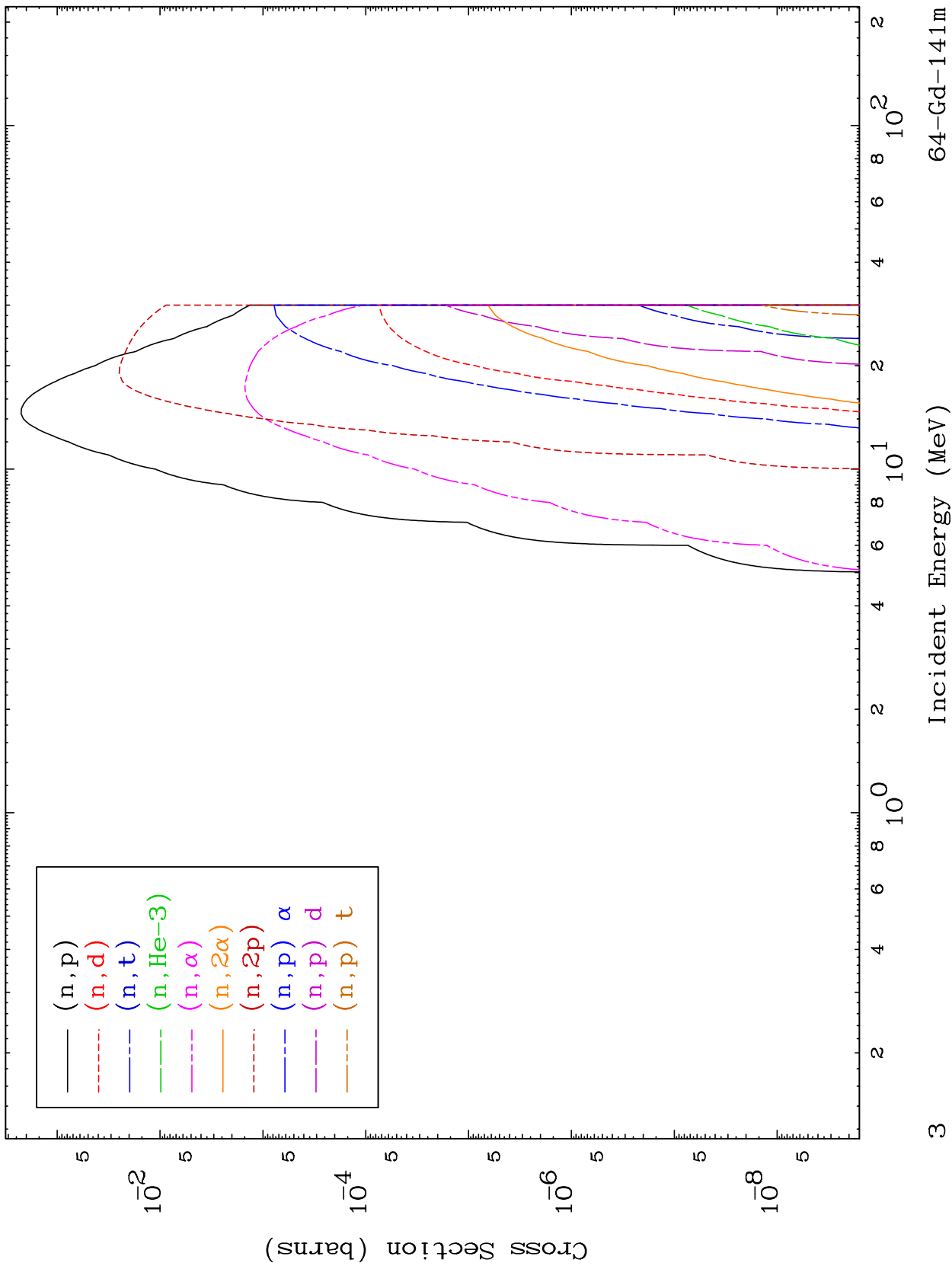


MAT 6393

Photon Neutron Absorption  
0 Kelvin Cross Sections

64-Gd-141m

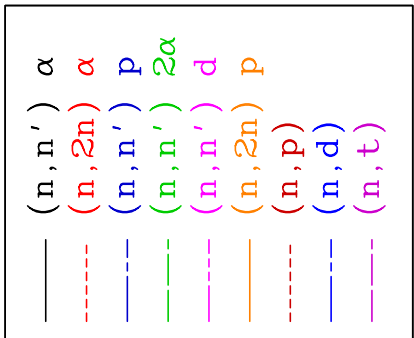
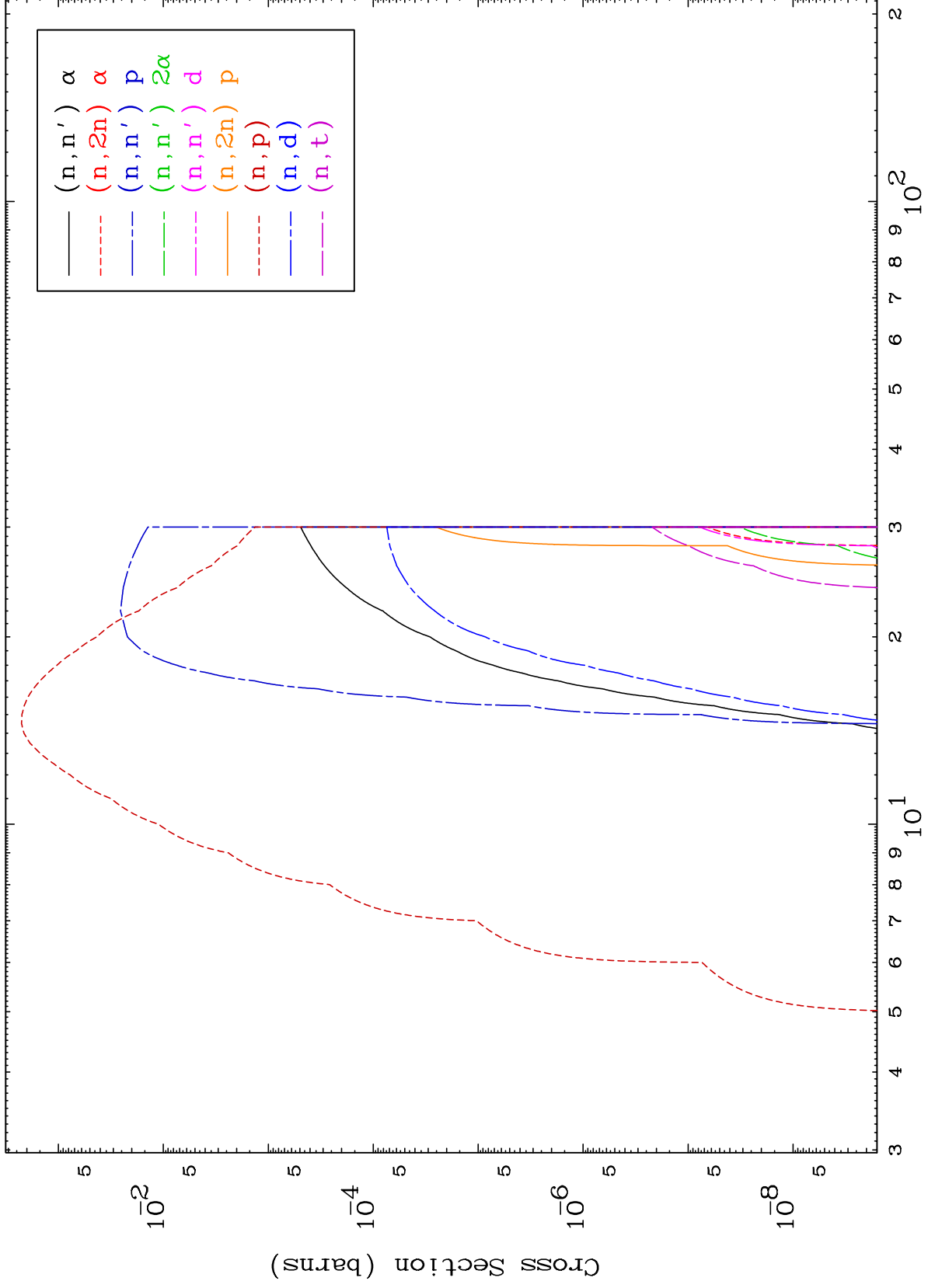




MAT 6393

Photon Charged Particle  
0 Kelvin Cross Sections

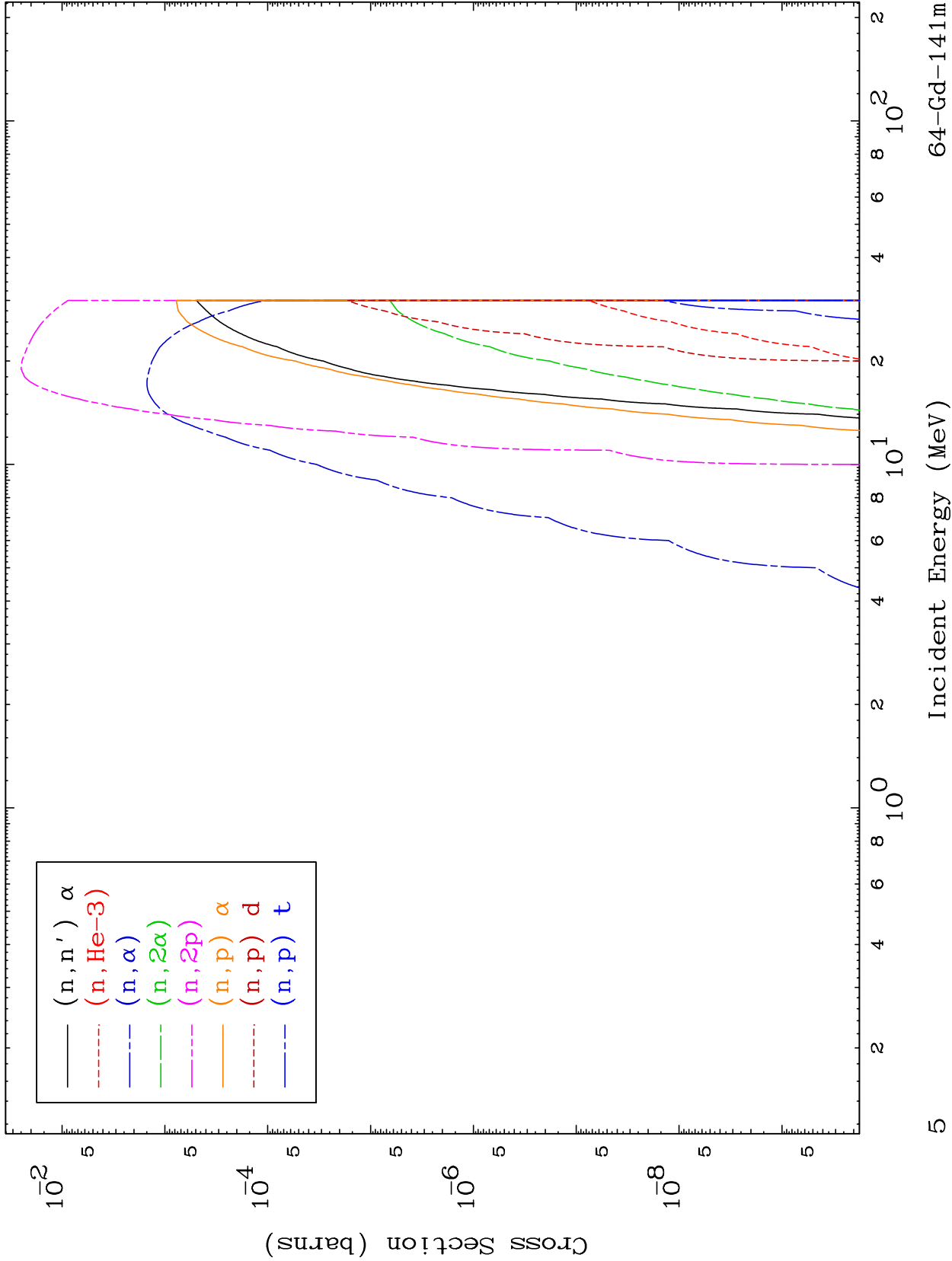
64-Gd-141m



64-Gd-141m

Incident Energy (MeV)

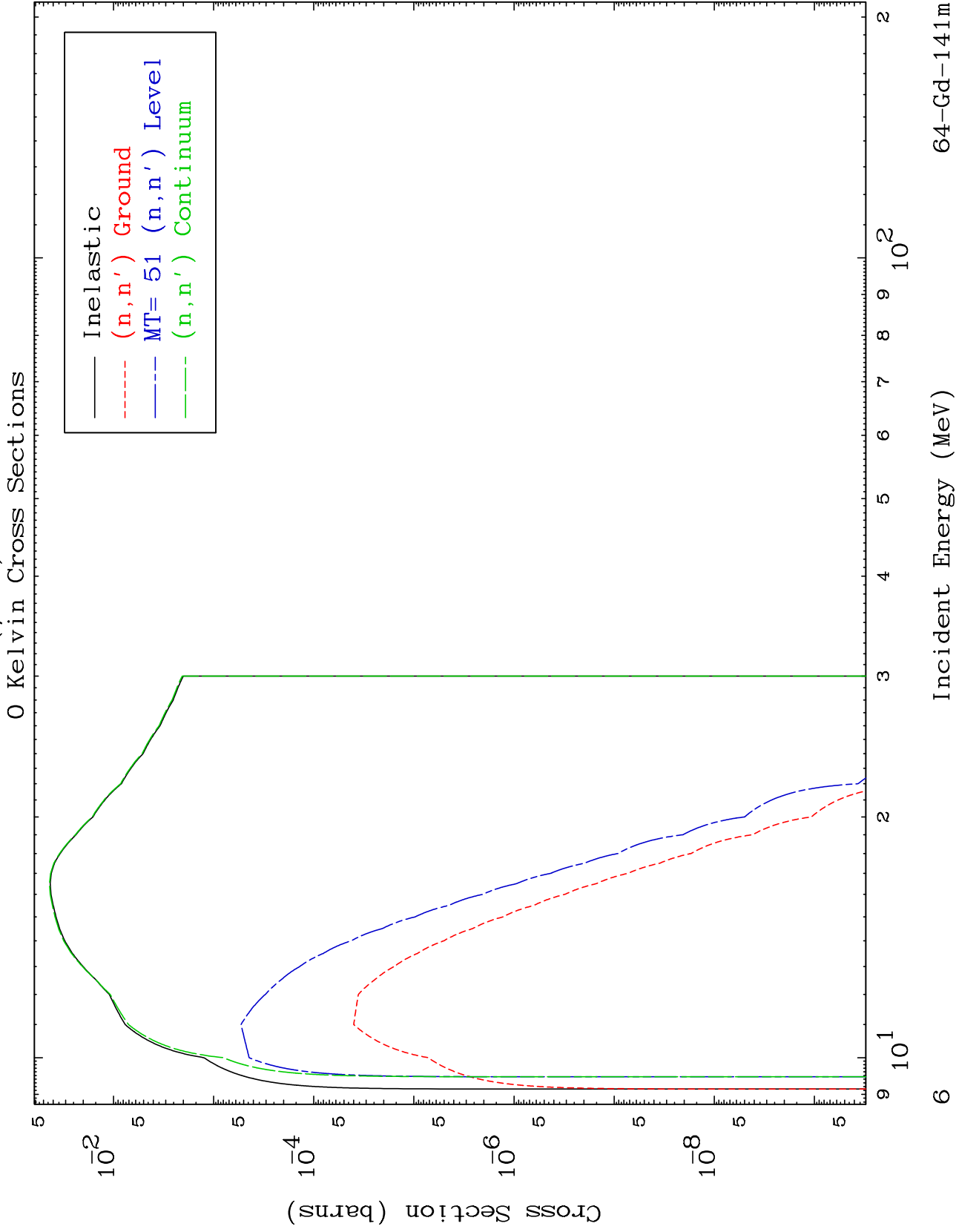
4



MAT 6393

( $\gamma, n'$ ) Levels

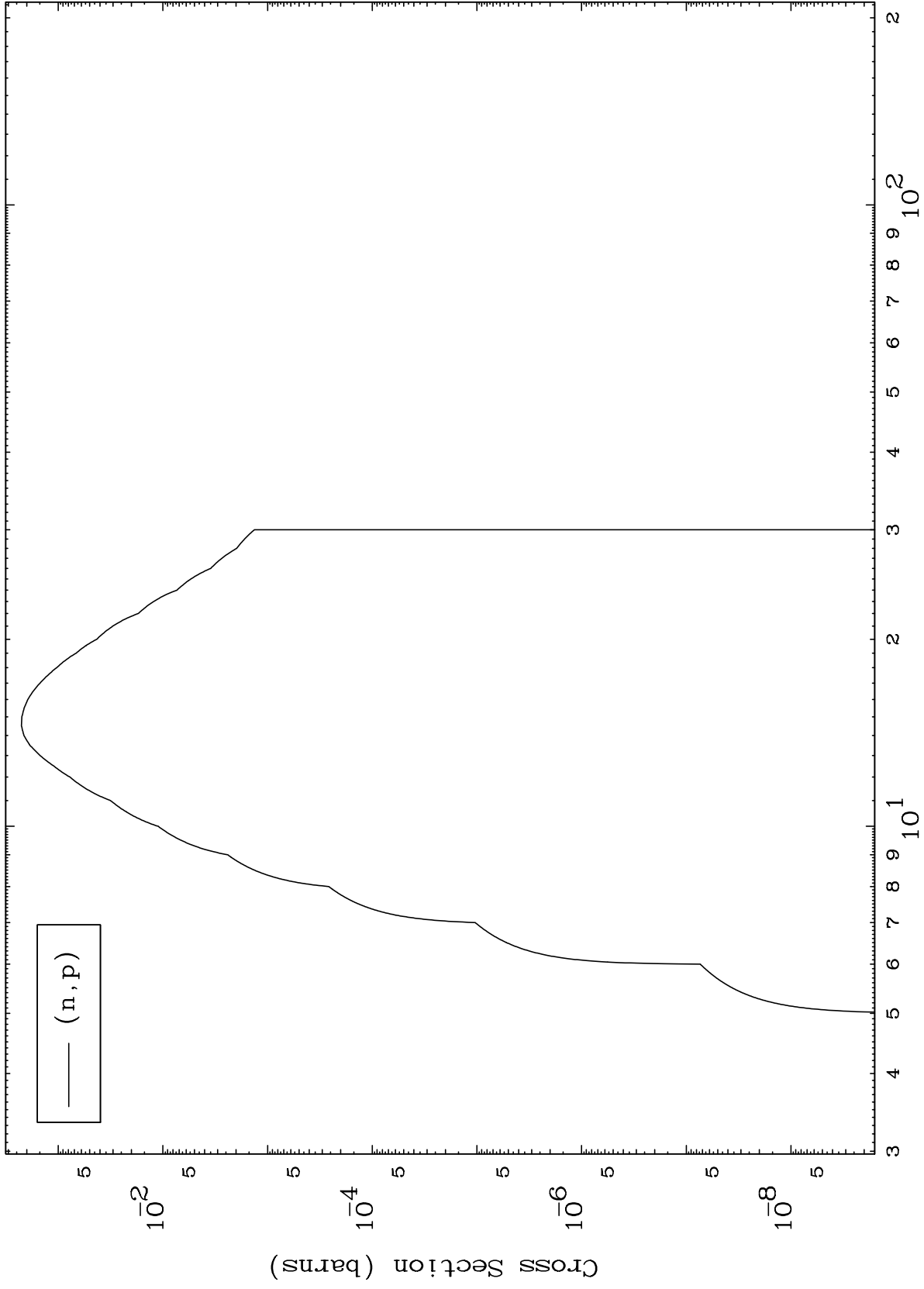
64-Gd-141m



MAT 6393

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

64-Gd-141m



7

Incident Energy (MeV)

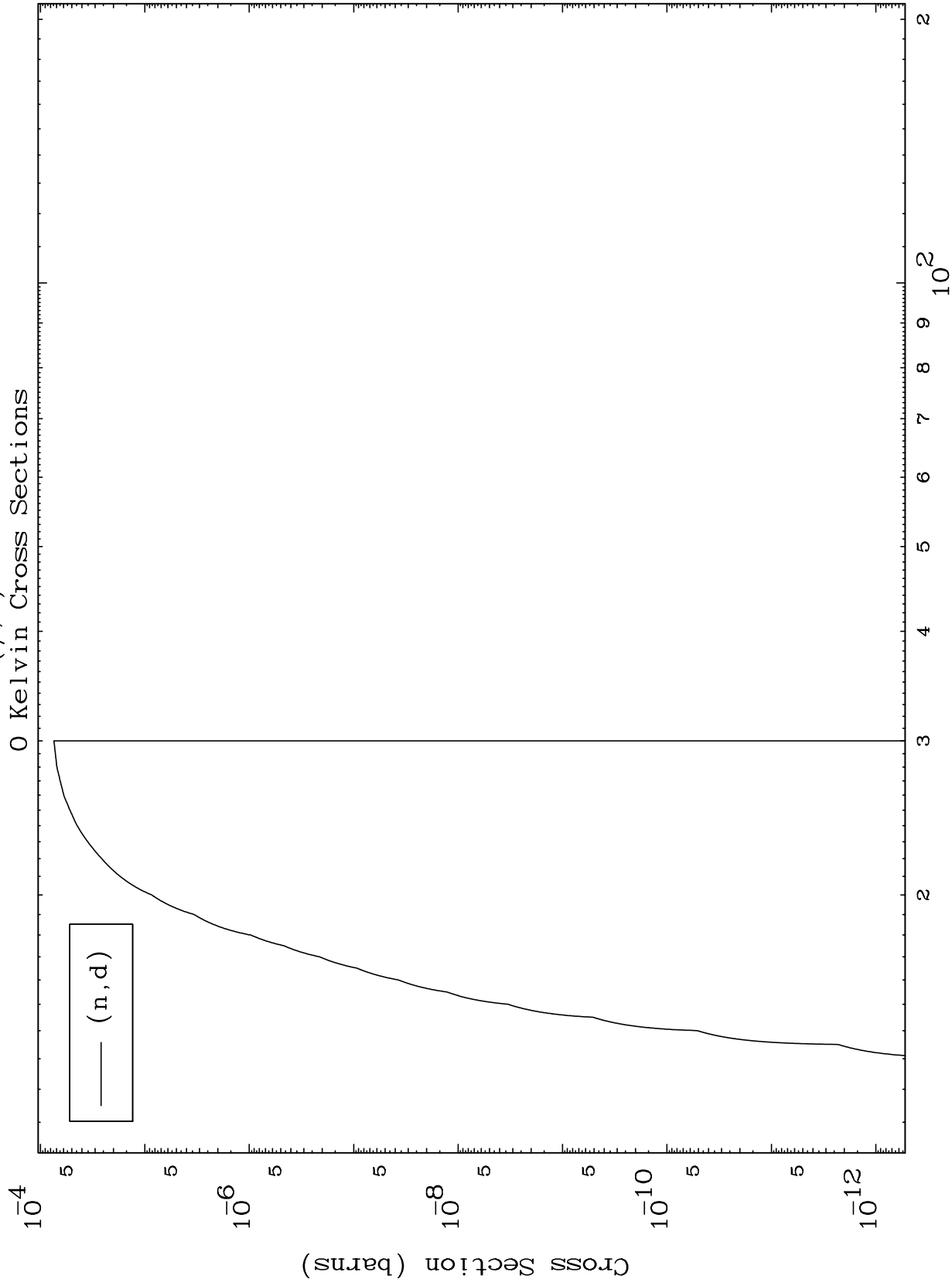
64-Gd-141m



MAT 6393

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

64-Gd-141m



8

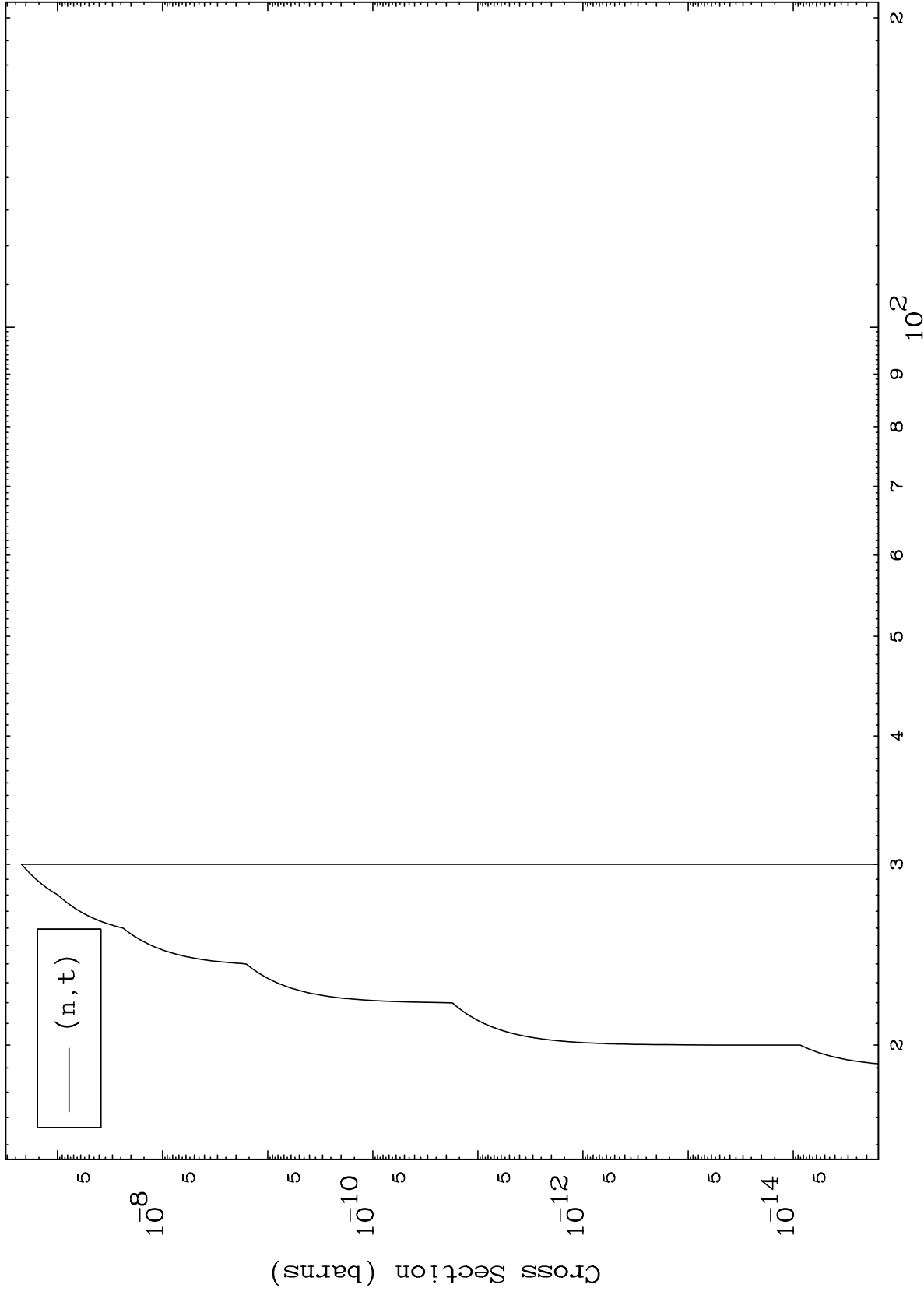
Incident Energy (MeV)

64-Gd-141m

MAT 6393

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

64-Gd-141m

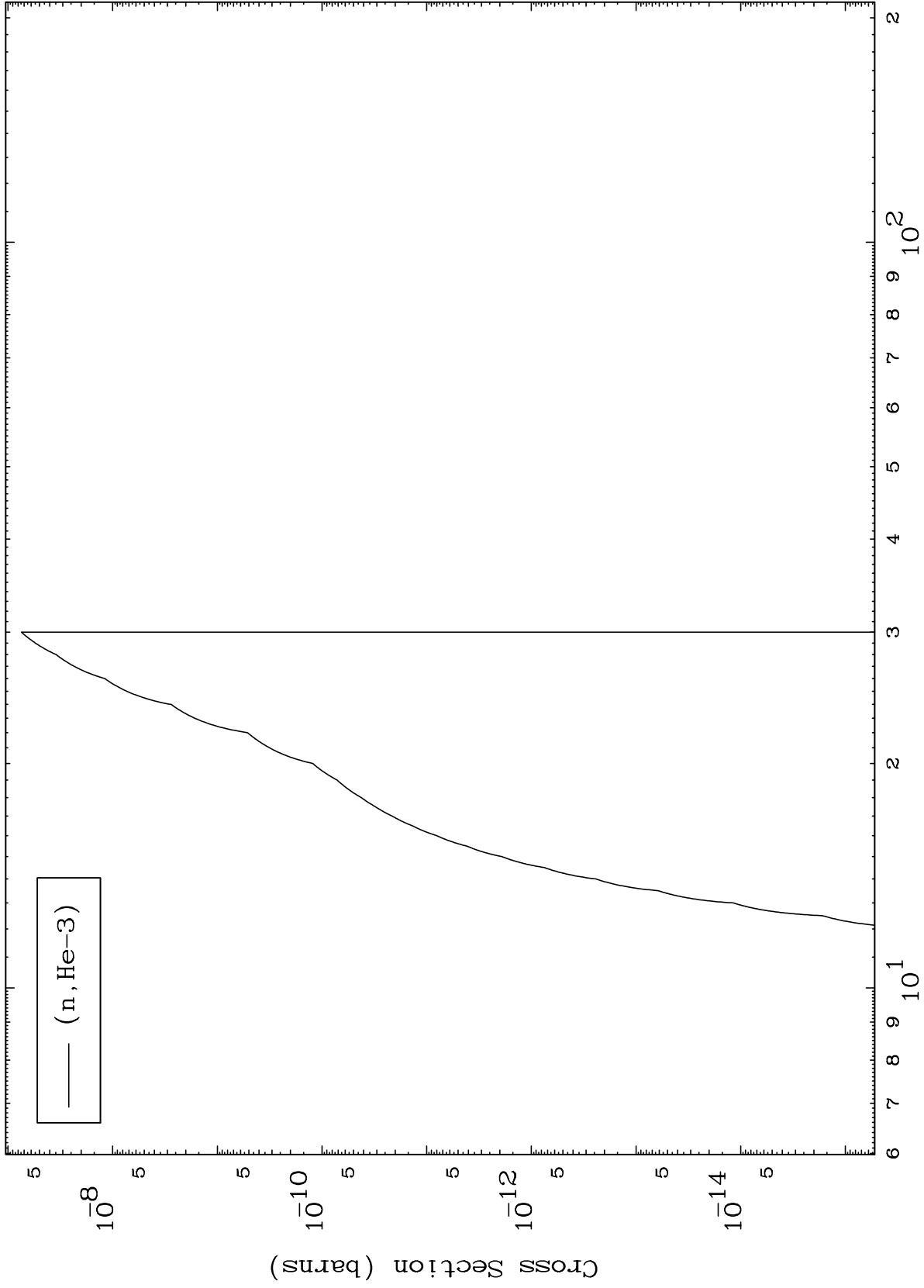


MAT 6393

( $\gamma$ , He3) Levels

64-Gd-141m

0 Kelvin Cross Sections



10

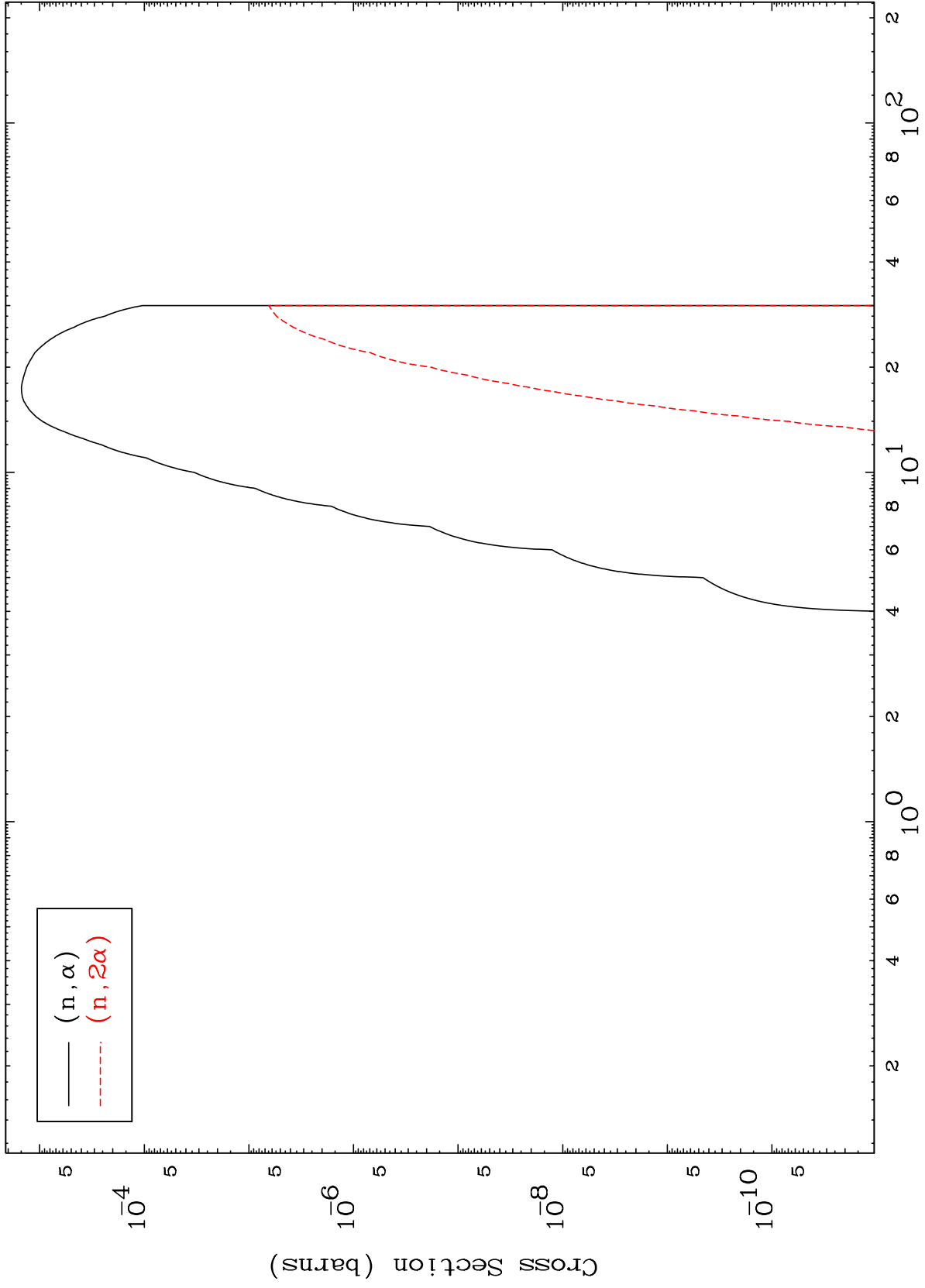
Incident Energy (MeV)

64-Gd-141m

MAT 6393

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

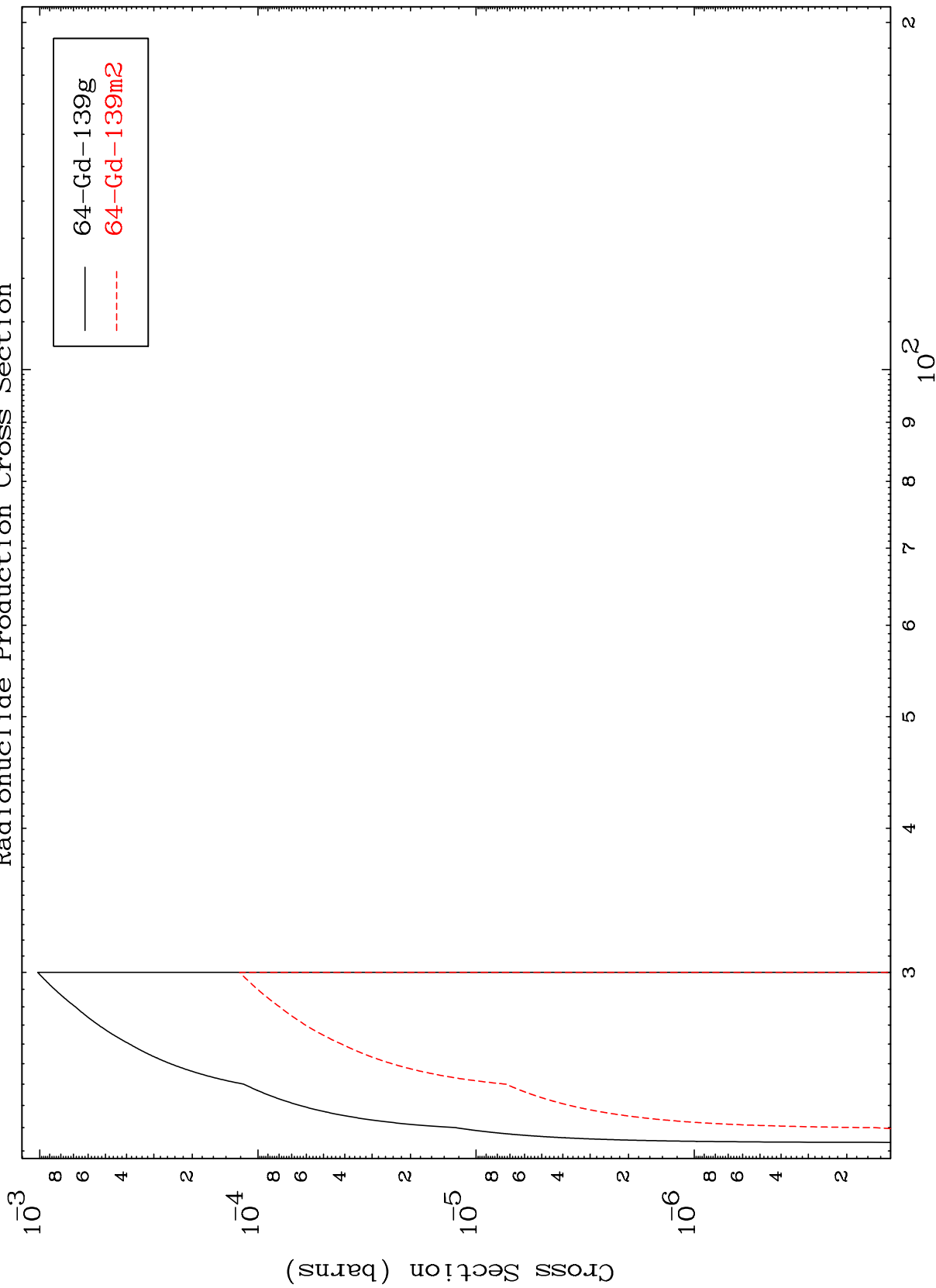
64-Gd-141m



MAT 6393

64-Gd-141m

(n,2n)  
Radionuclide Production Cross Section



64-Gd-141m

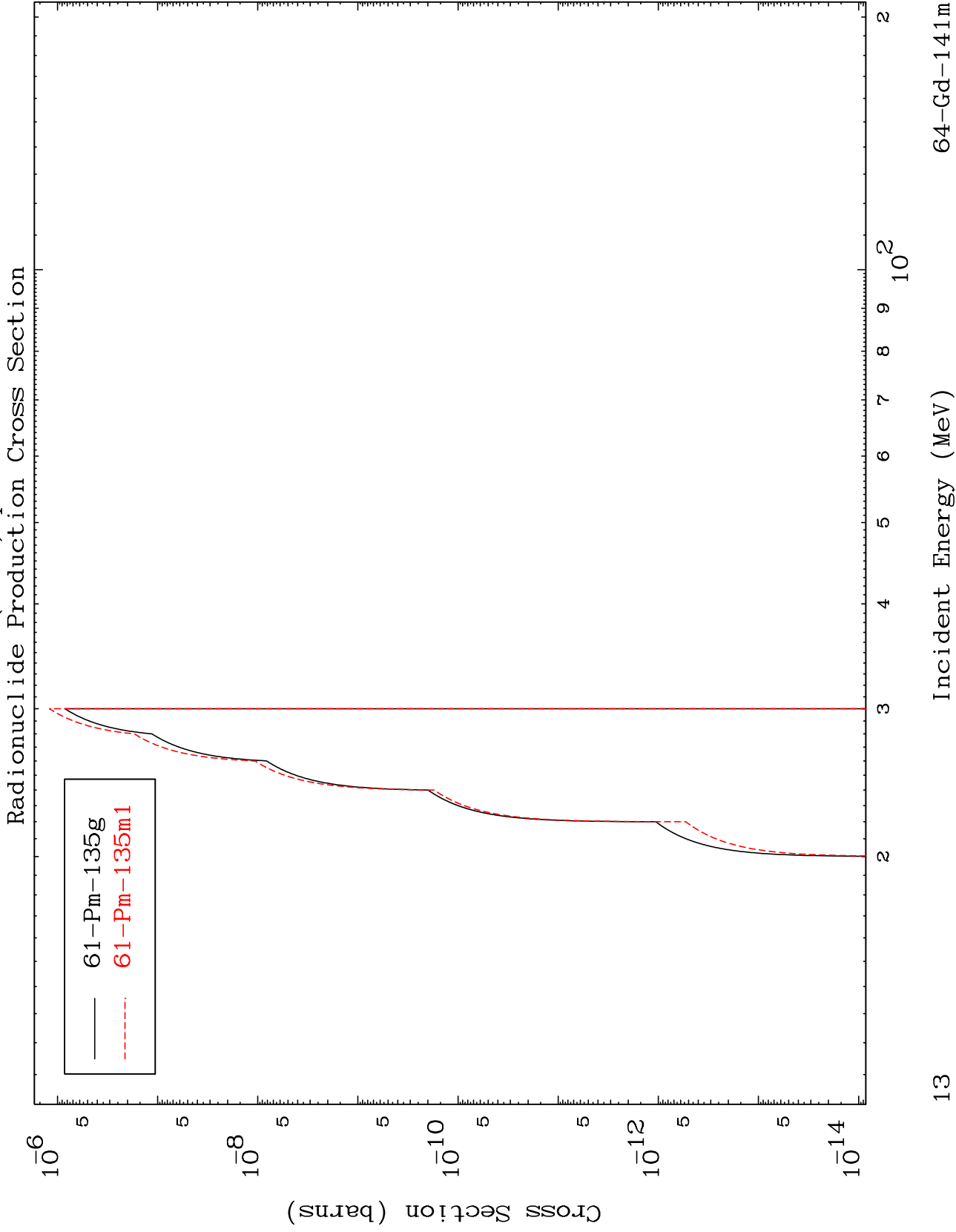
Incident Energy (MeV)

12

MAT 6393

(n,n') p  $\alpha$

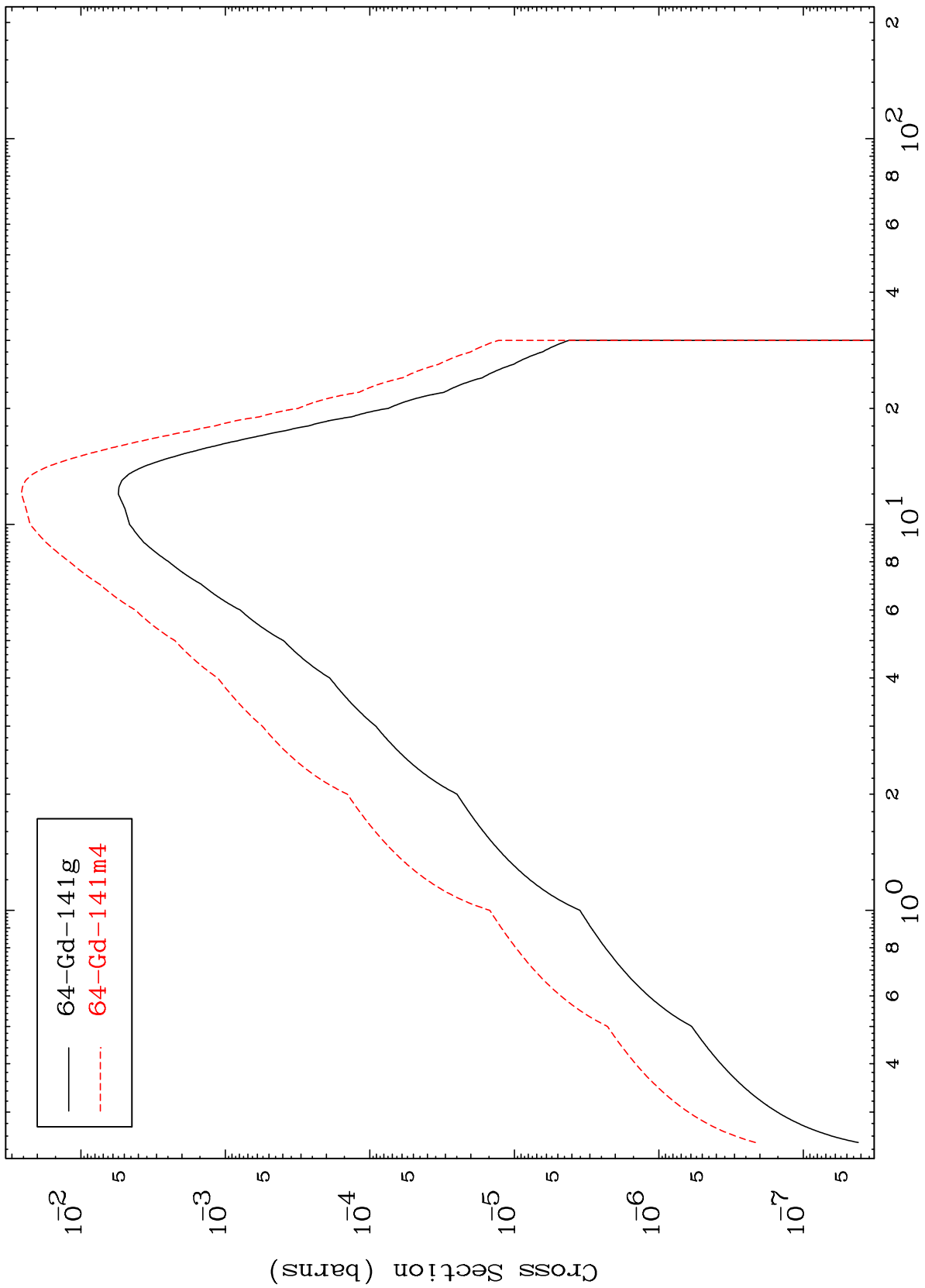
64-Gd-141m



MAT 6393

64-Gd-141m

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



14

64-Gd-141m

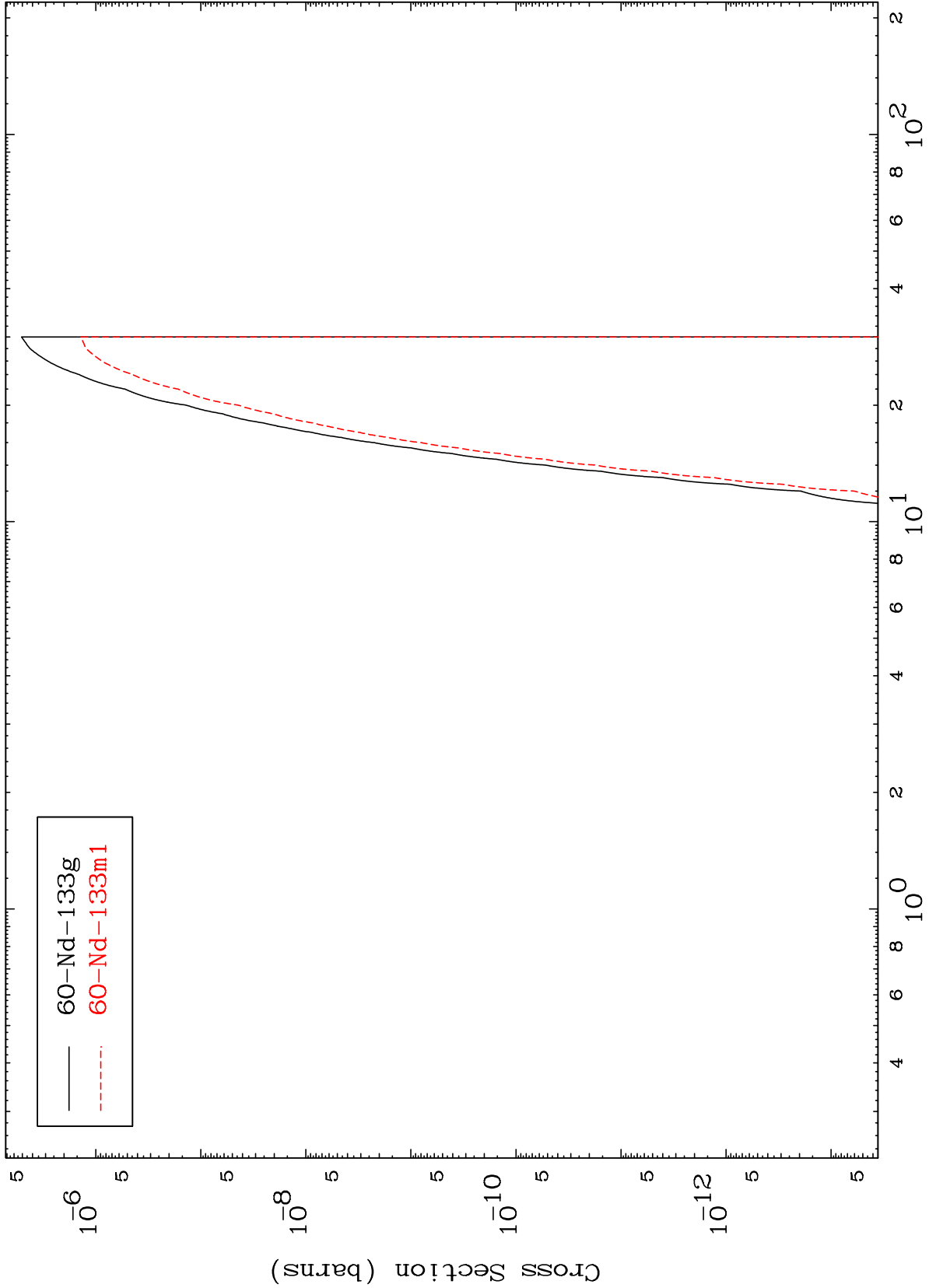
Incident Energy (MeV)

MAT 6393

(n,2α)

64-Gd-141m

Radionuclide Production Cross Section



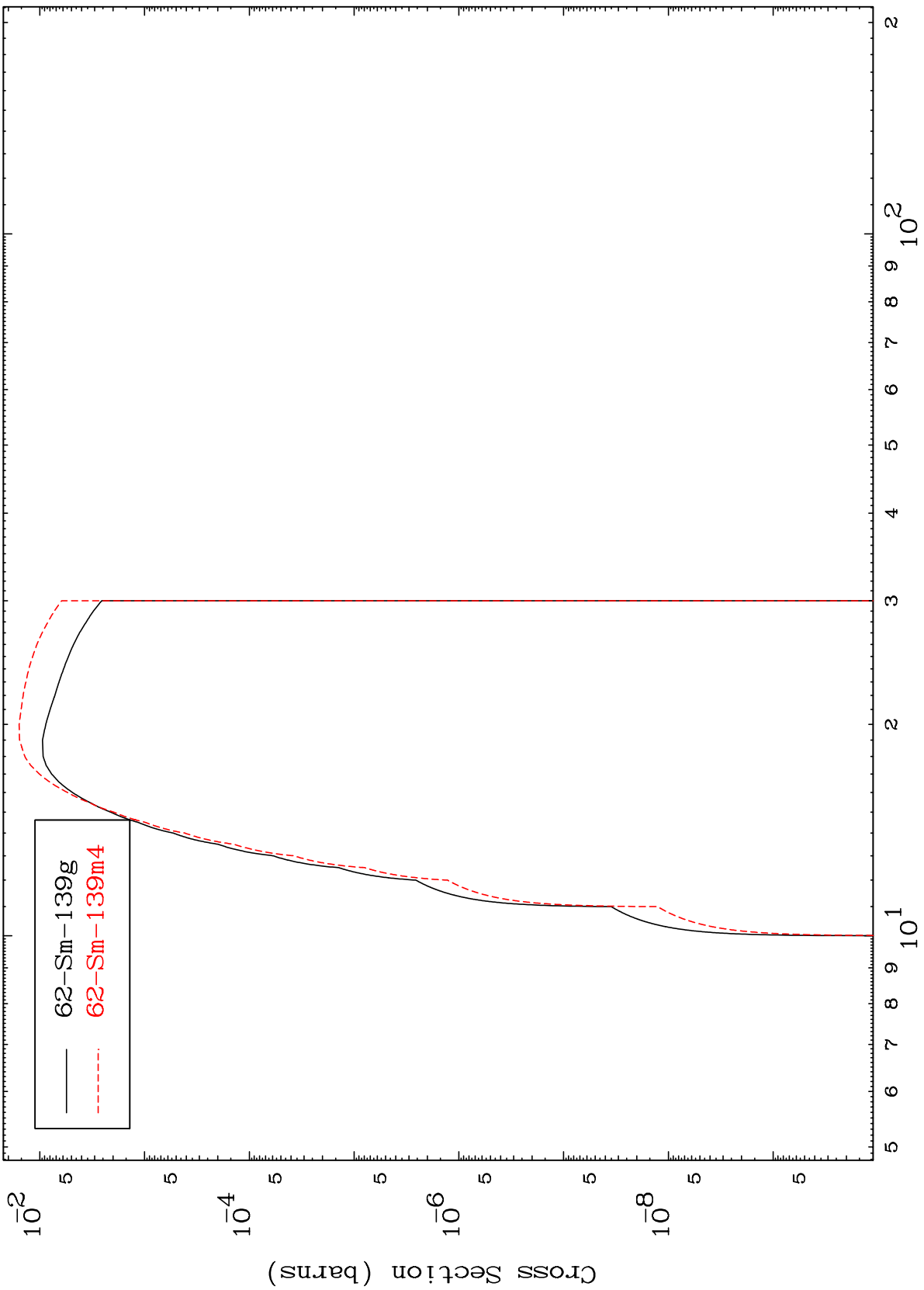
60-Nd-133g  
60-Nd-133m1



MAT 6393

64-Gd-141m

(n,2p)  
Radionuclide Production Cross Section



16

Incident Energy (MeV)

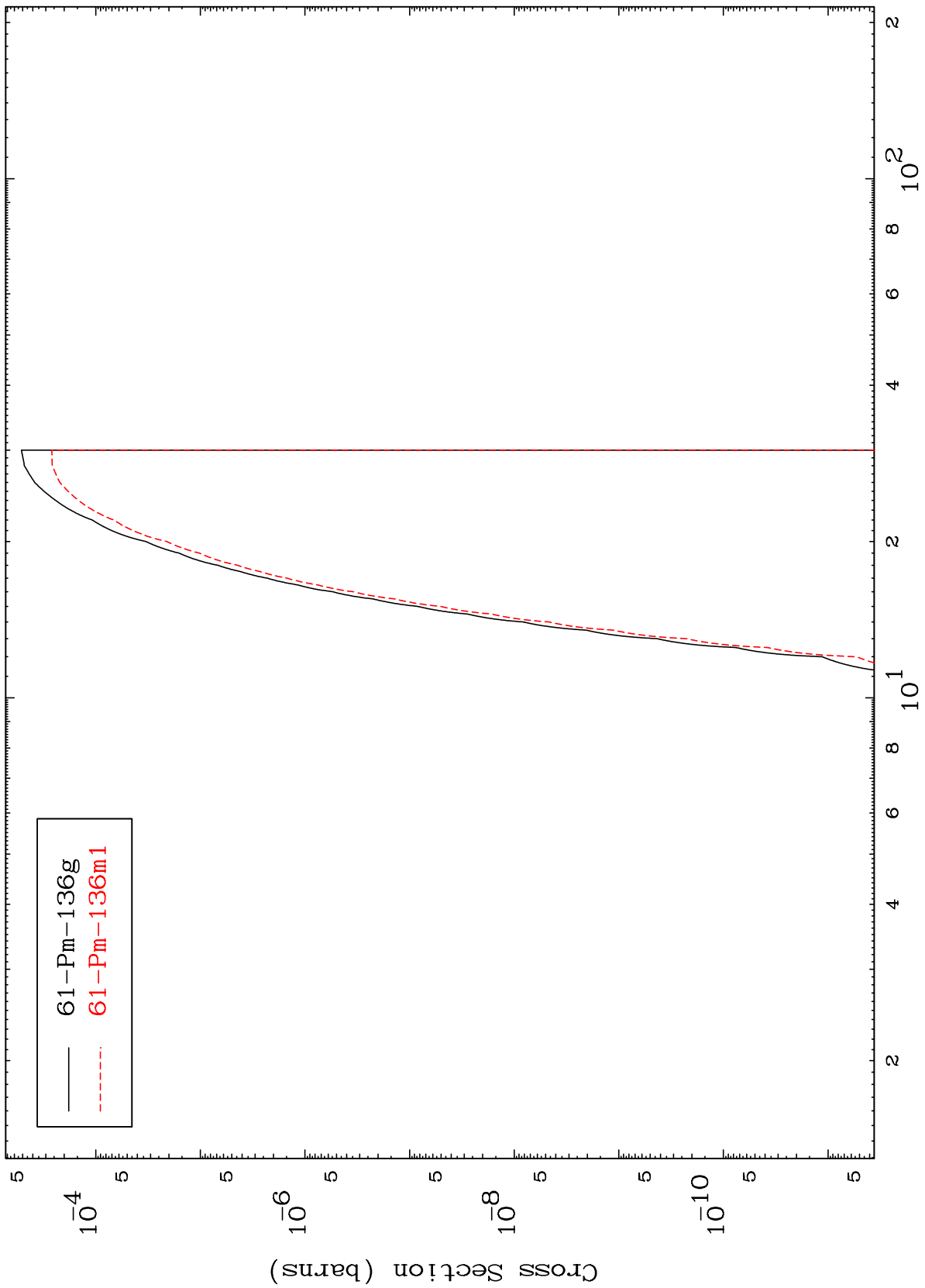
64-Gd-141m

MAT 6393

(n,p)  $\alpha$

64-Gd-141m

Radionuclide Production Cross Section



61-Pm-136g  
61-Pm-136m1

17

Incident Energy (MeV)

64-Gd-141m