

Program EVALPLOT  
(Version 2021-1)

by

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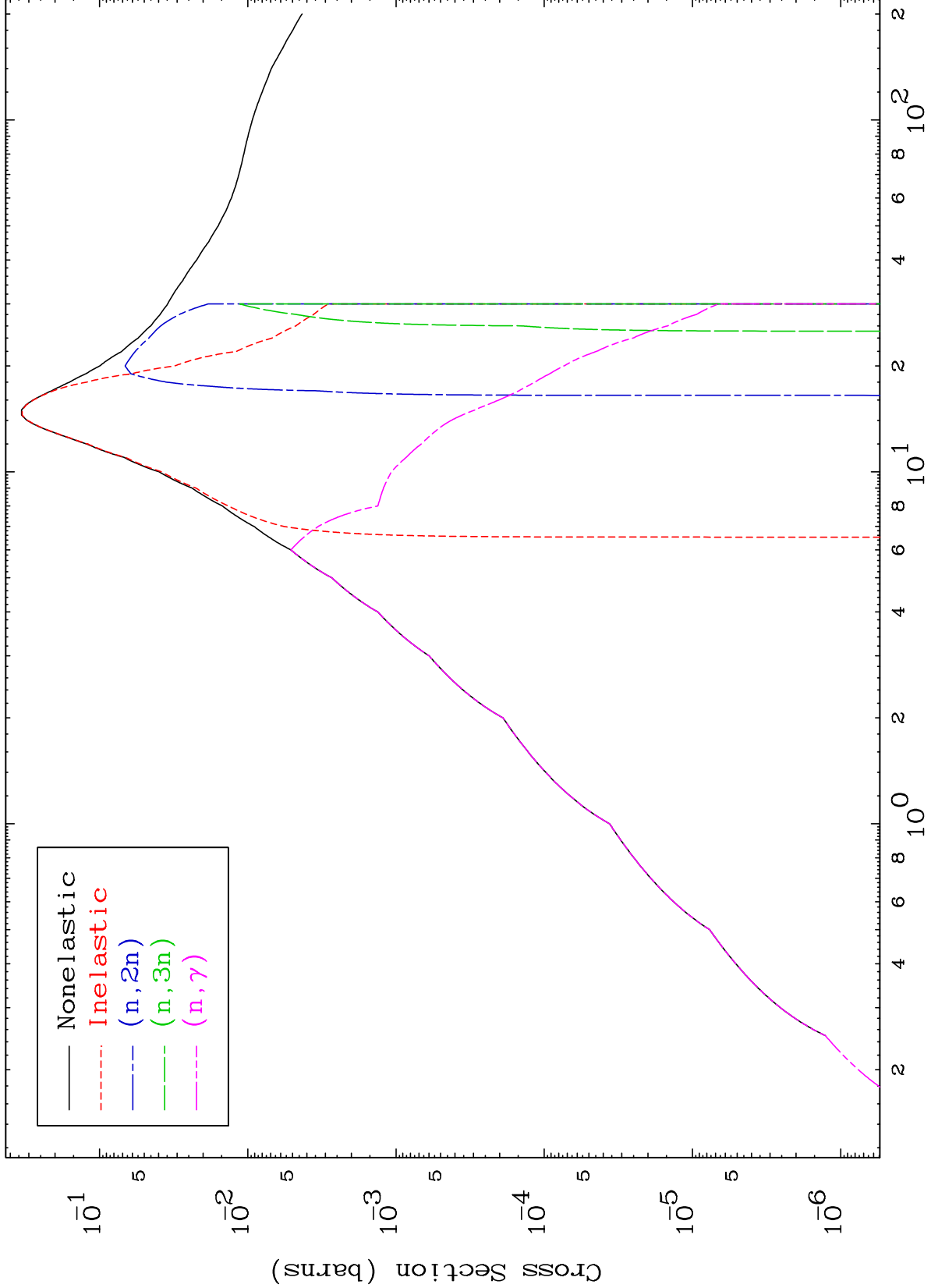
Press Mouse Button to Start

MAT 6140

Photon Major

61-Pm-144

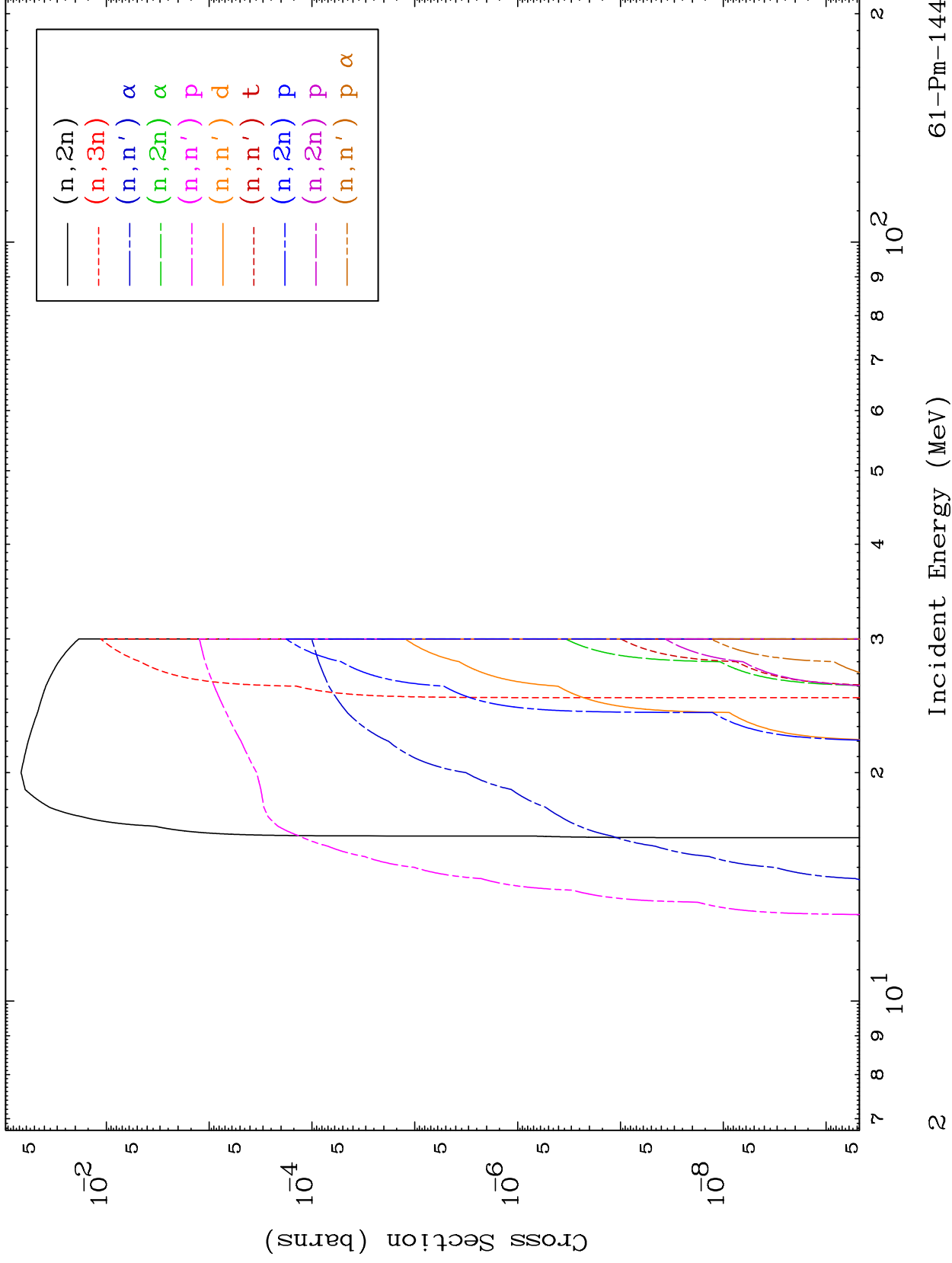
0 Kelvin Cross Sections



1

Incident Energy (MeV)

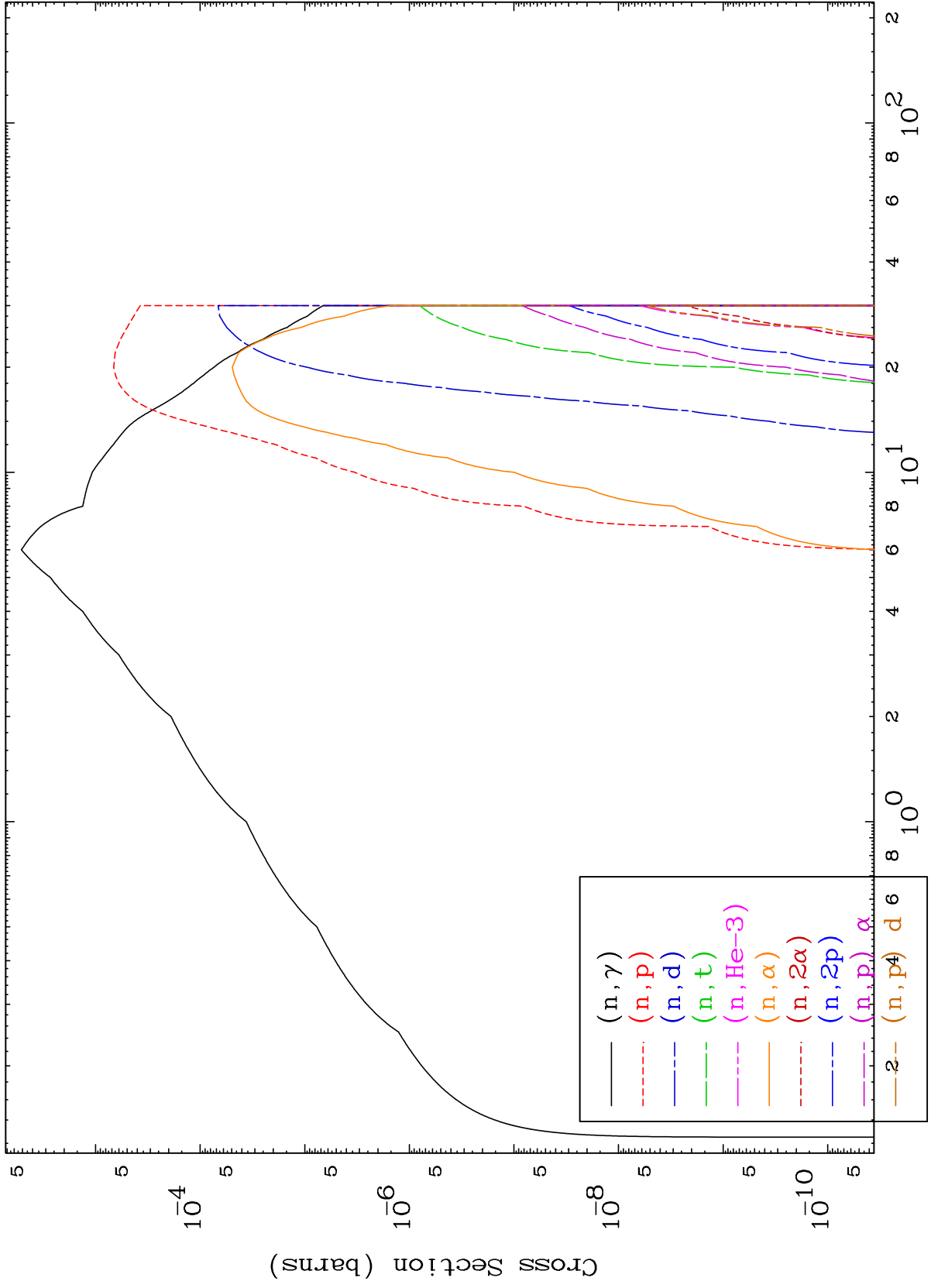
61-Pm-144



MAT 6140

Photon Neutron Absorption  
0 Kelvin Cross Sections

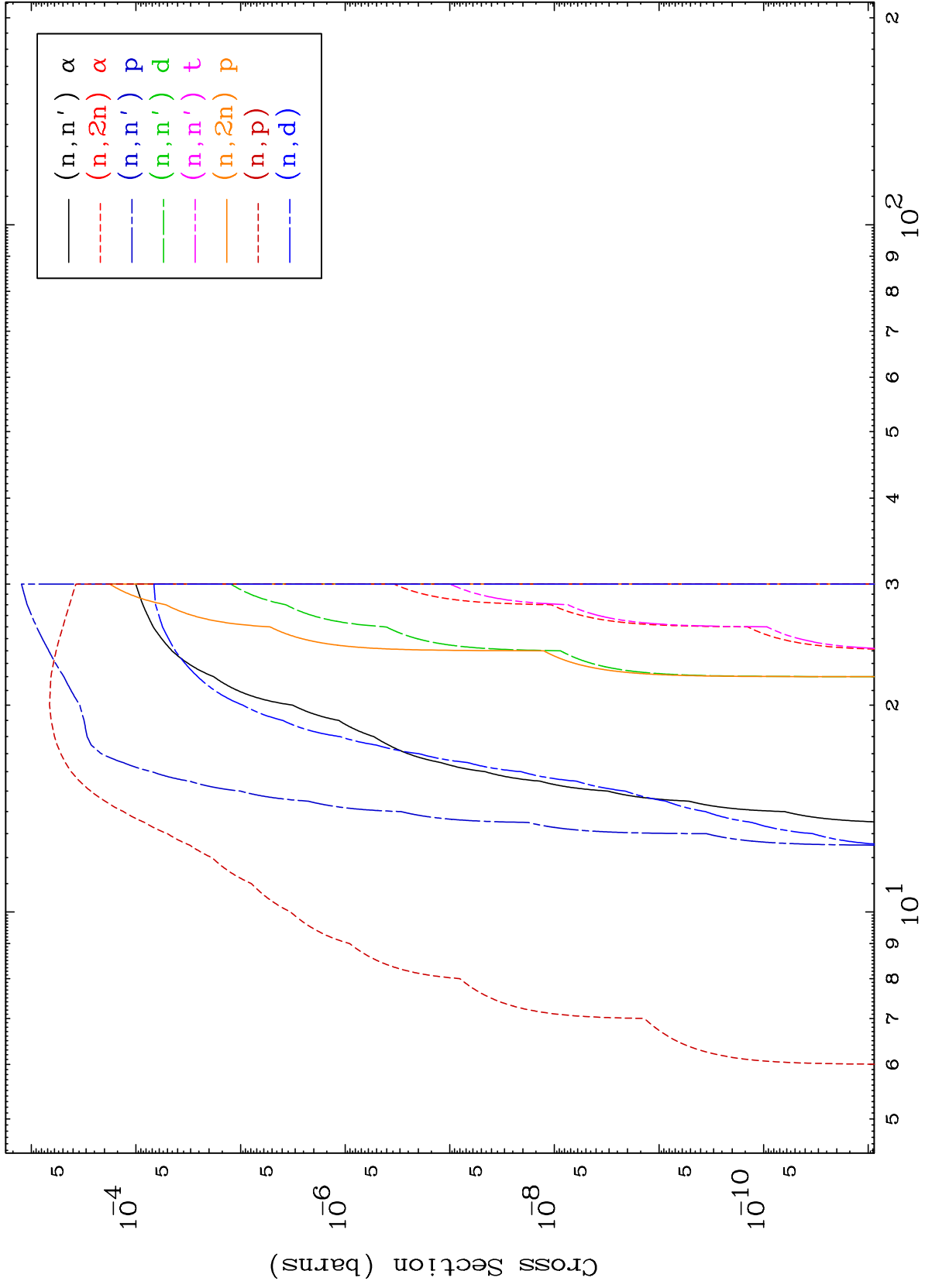
61-Pm-144



61-Pm-144

Incident Energy (MeV)

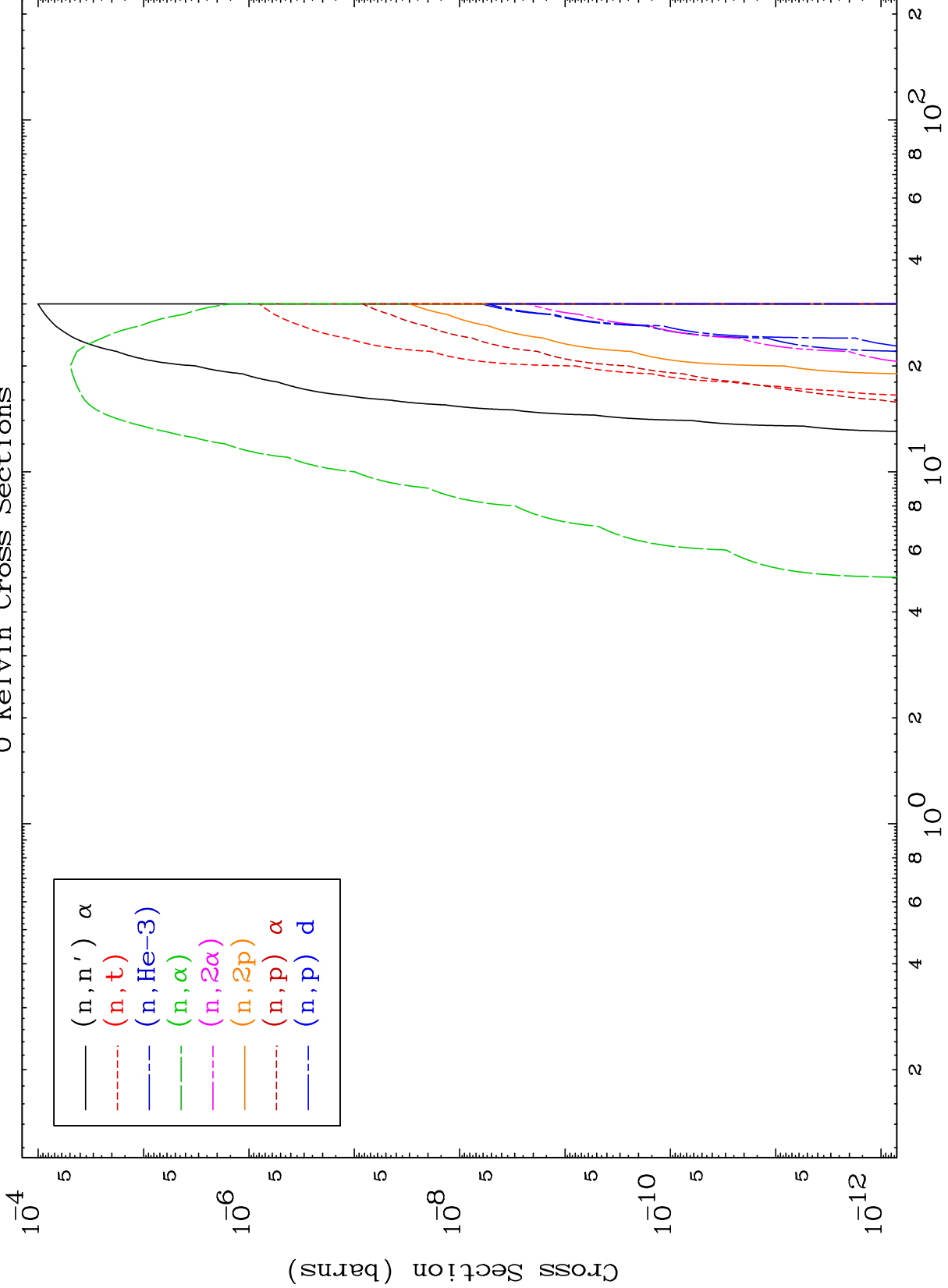
3



MAT 6140

Photon Charged Particle  
0 Kelvin Cross Sections

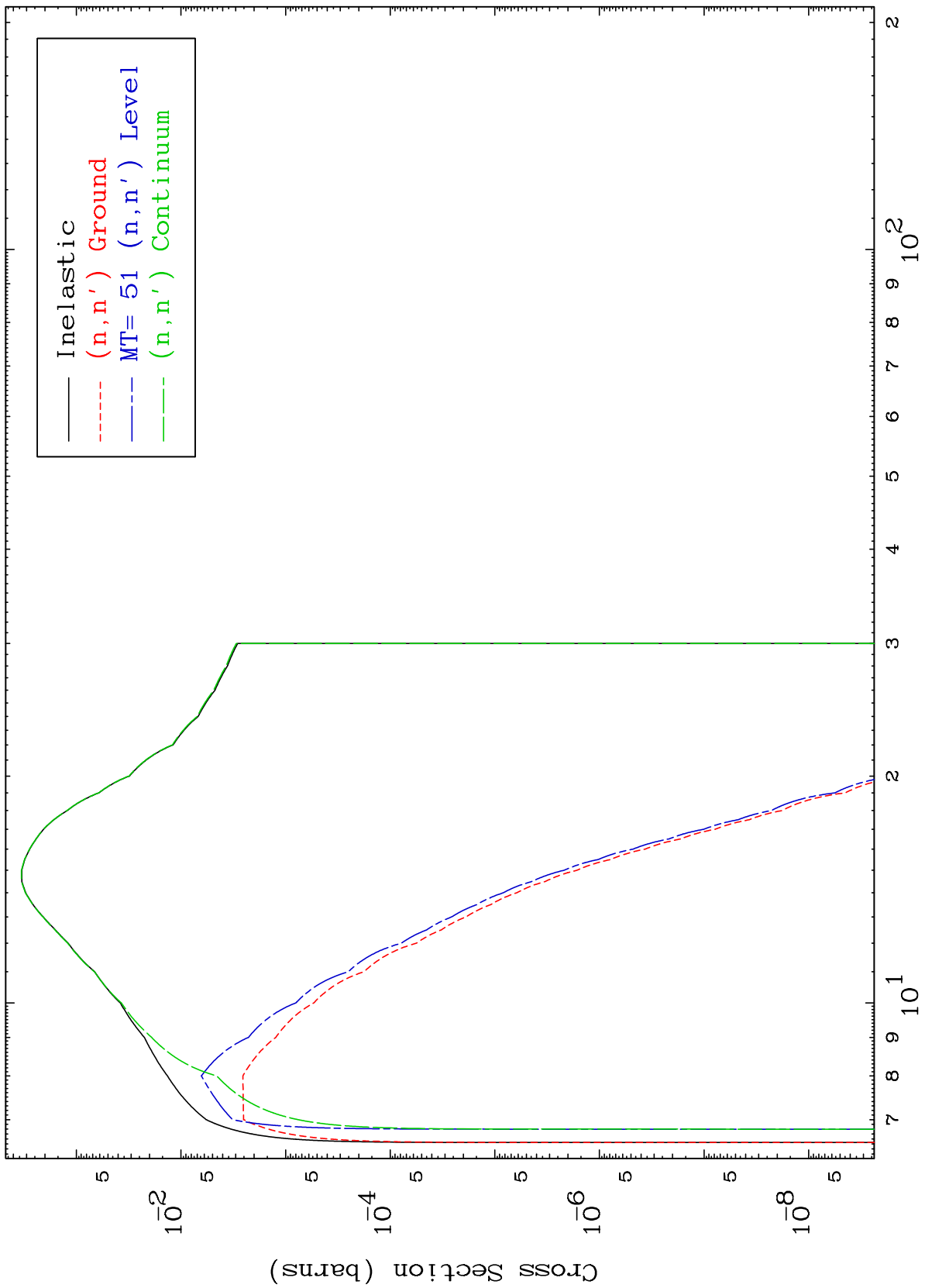
61-Pm-144



MAT 6140

61-Pm-144

( $\gamma, n'$ ) Levels  
0 Kelvin Cross Sections



6

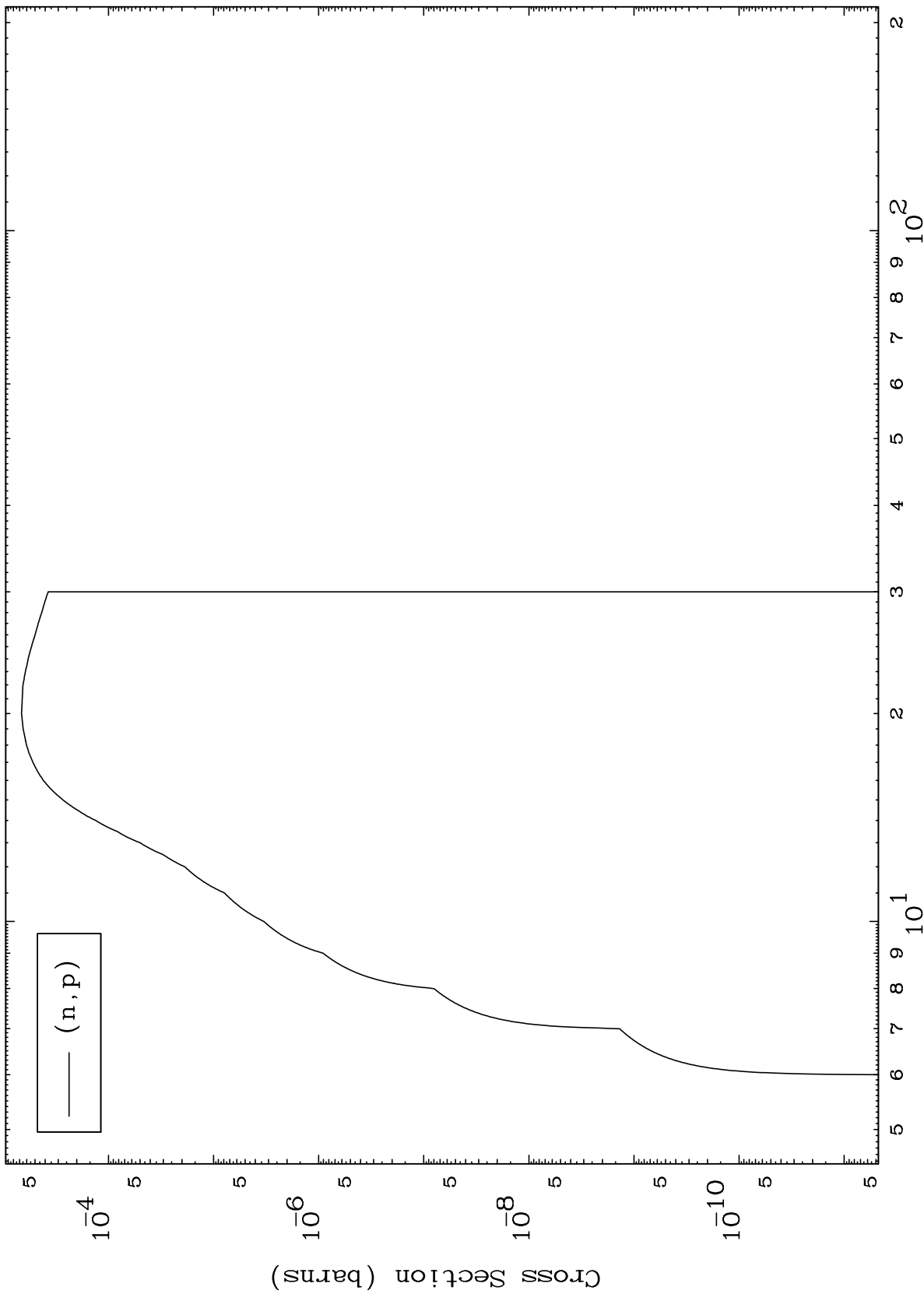
Incident Energy (MeV)

61-Pm-144

MAT 6140

61-Pm-144

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



61-Pm-144

Incident Energy (MeV)

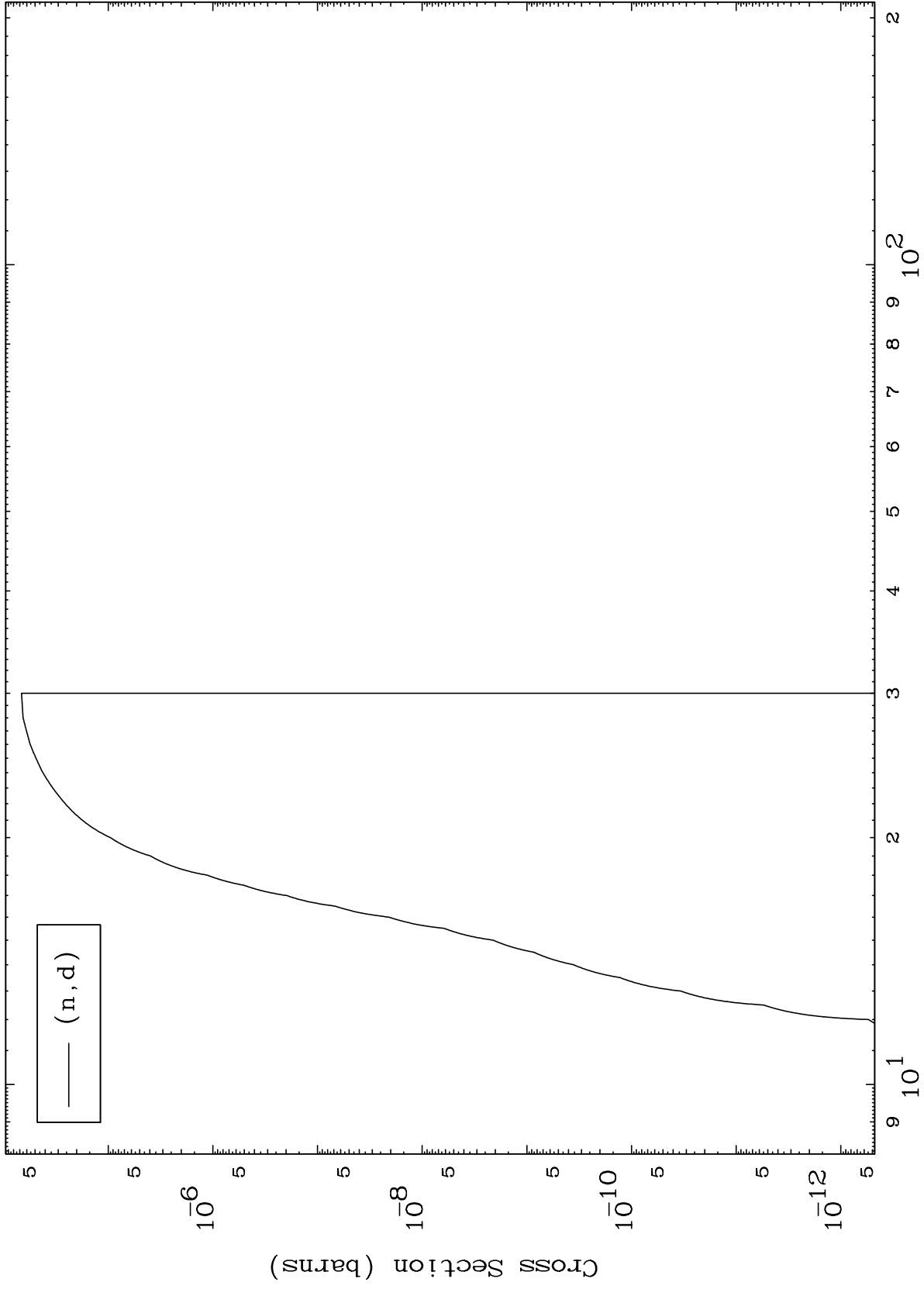
7



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

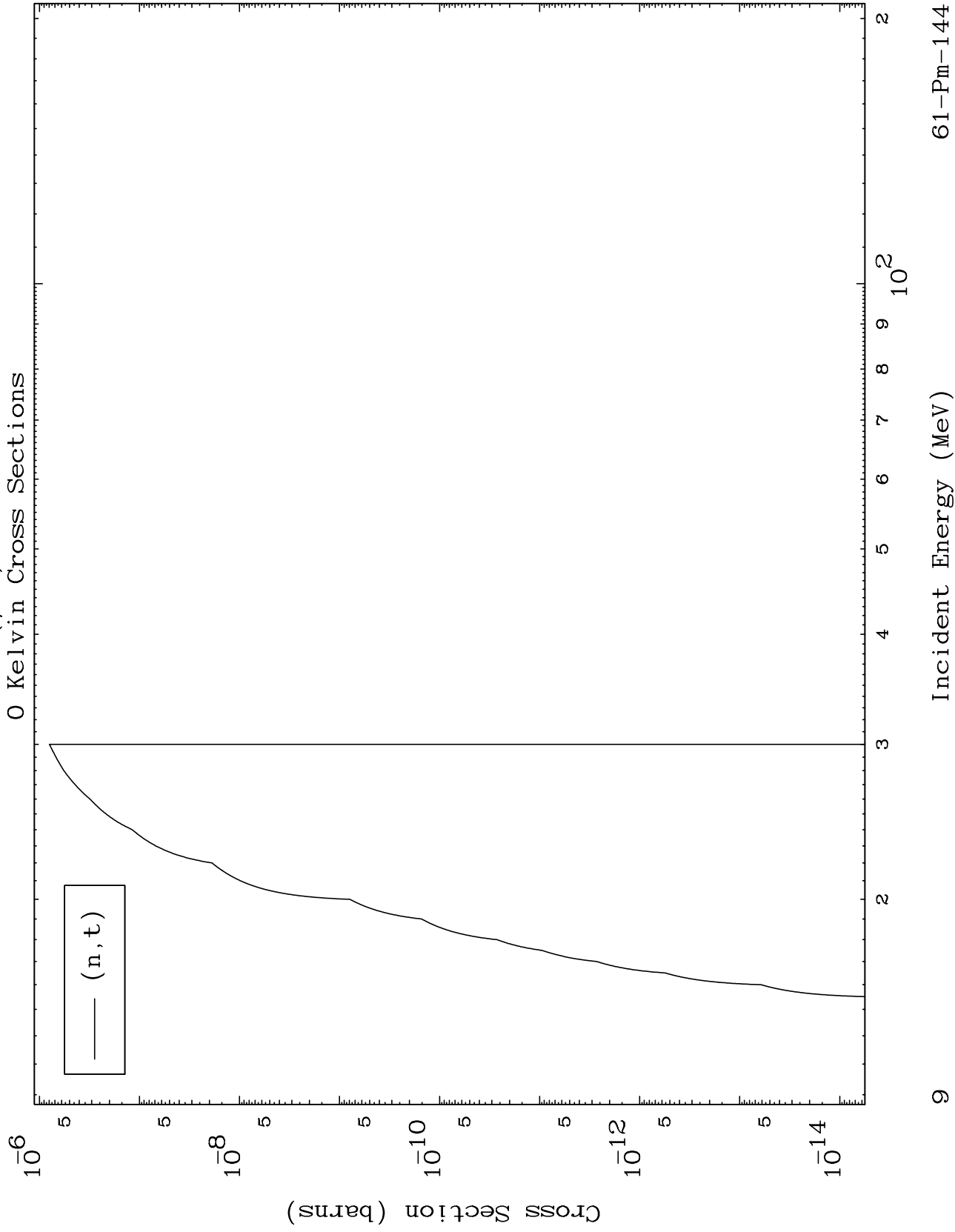
61-Pm-144



8

Incident Energy (MeV)

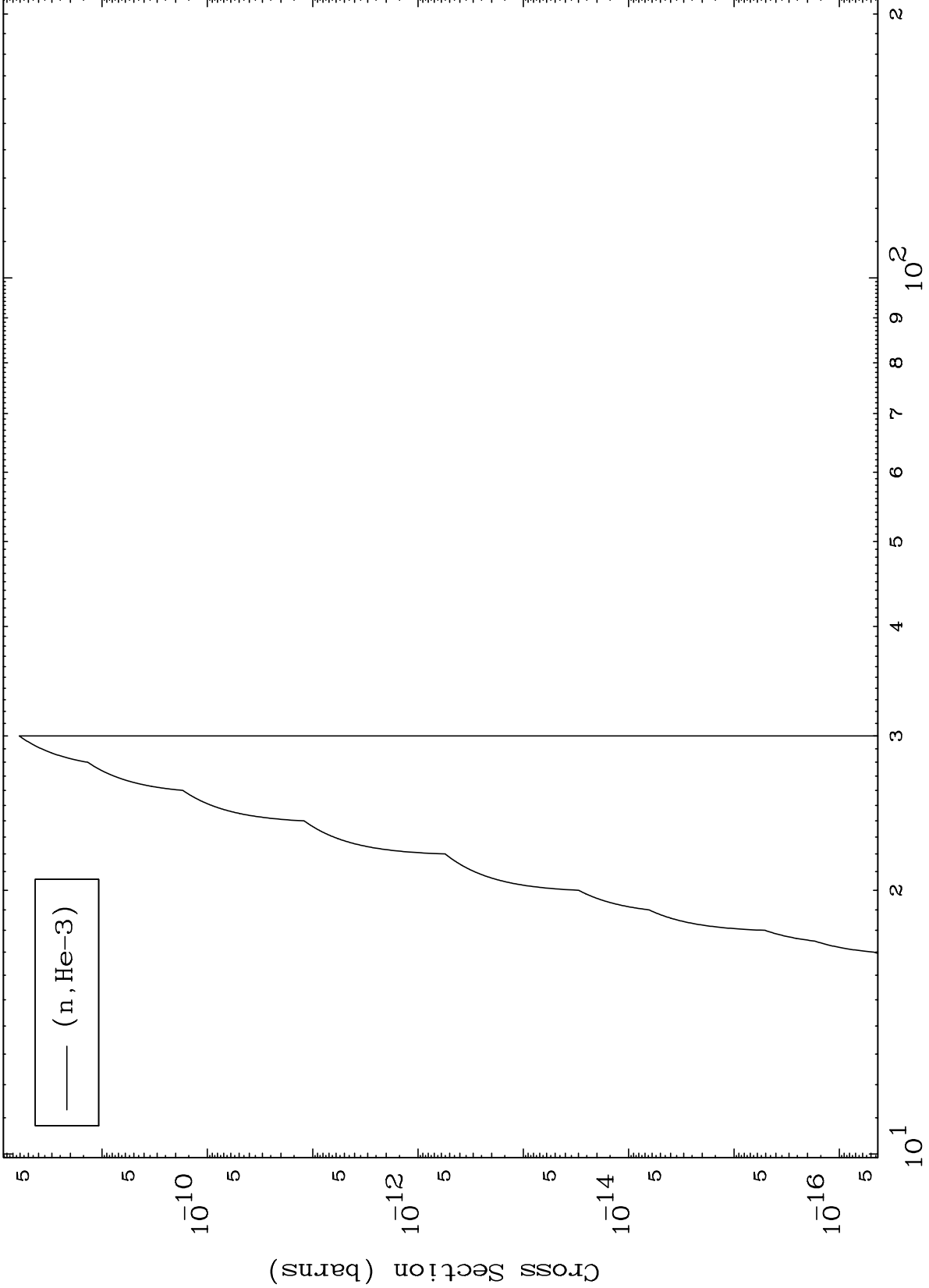
61-Pm-144



MAT 6140

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

61-Pm-144



Incident Energy (MeV)

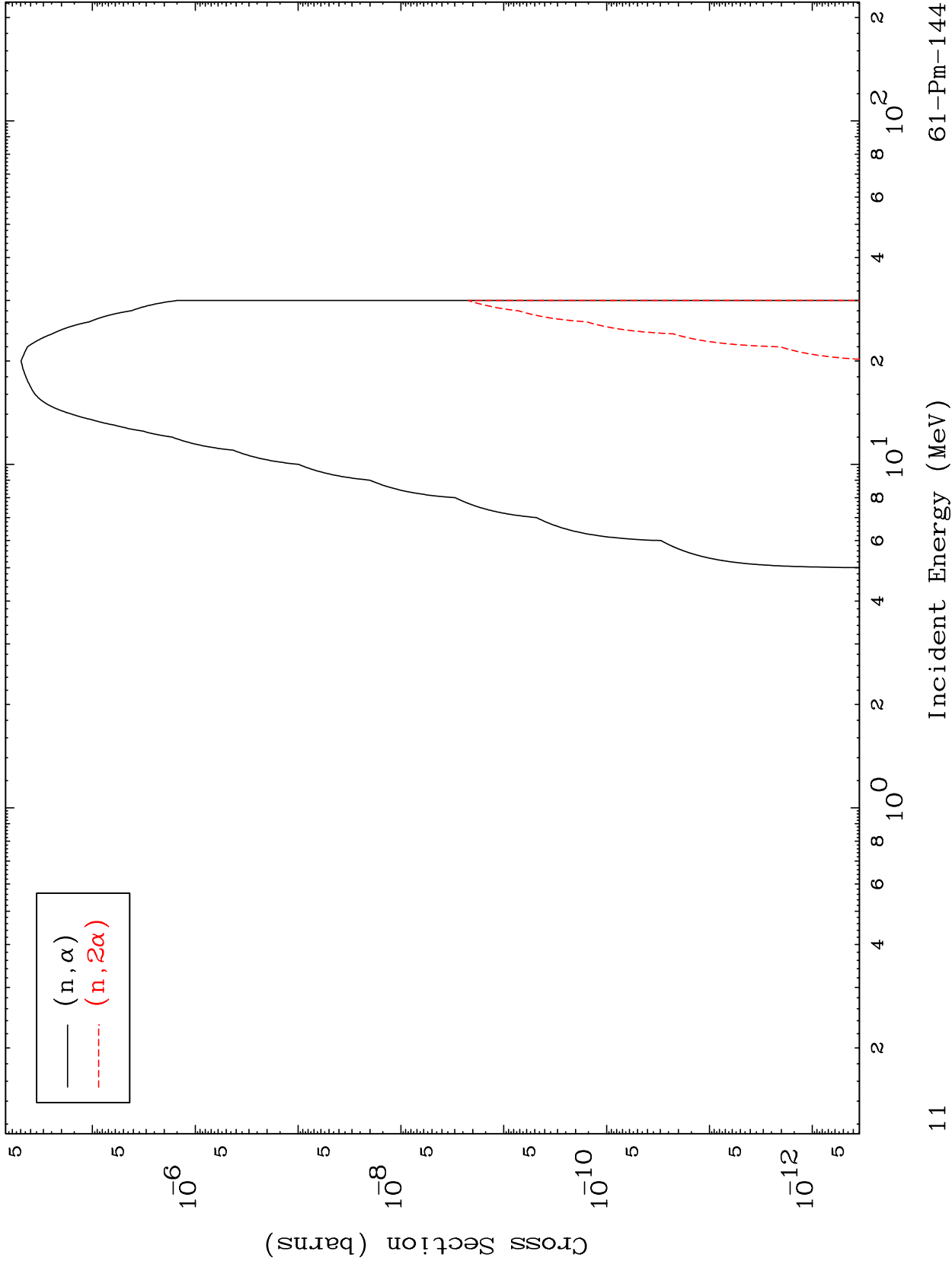
61-Pm-144

MAT 6140

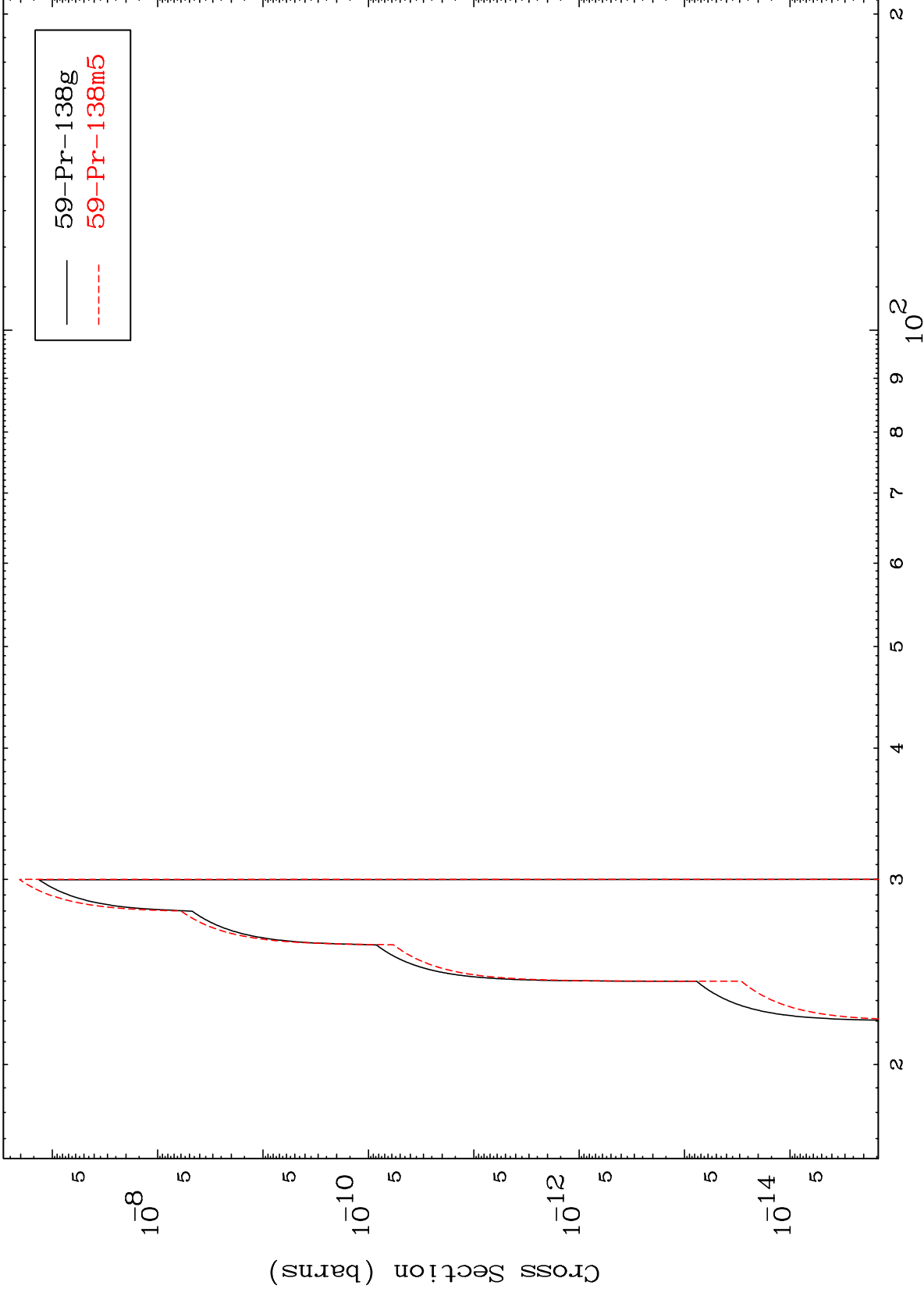
( $\gamma, \alpha$ ) Levels

61-Pm-144

0 Kelvin Cross Sections



Radionuclide Production Cross Section

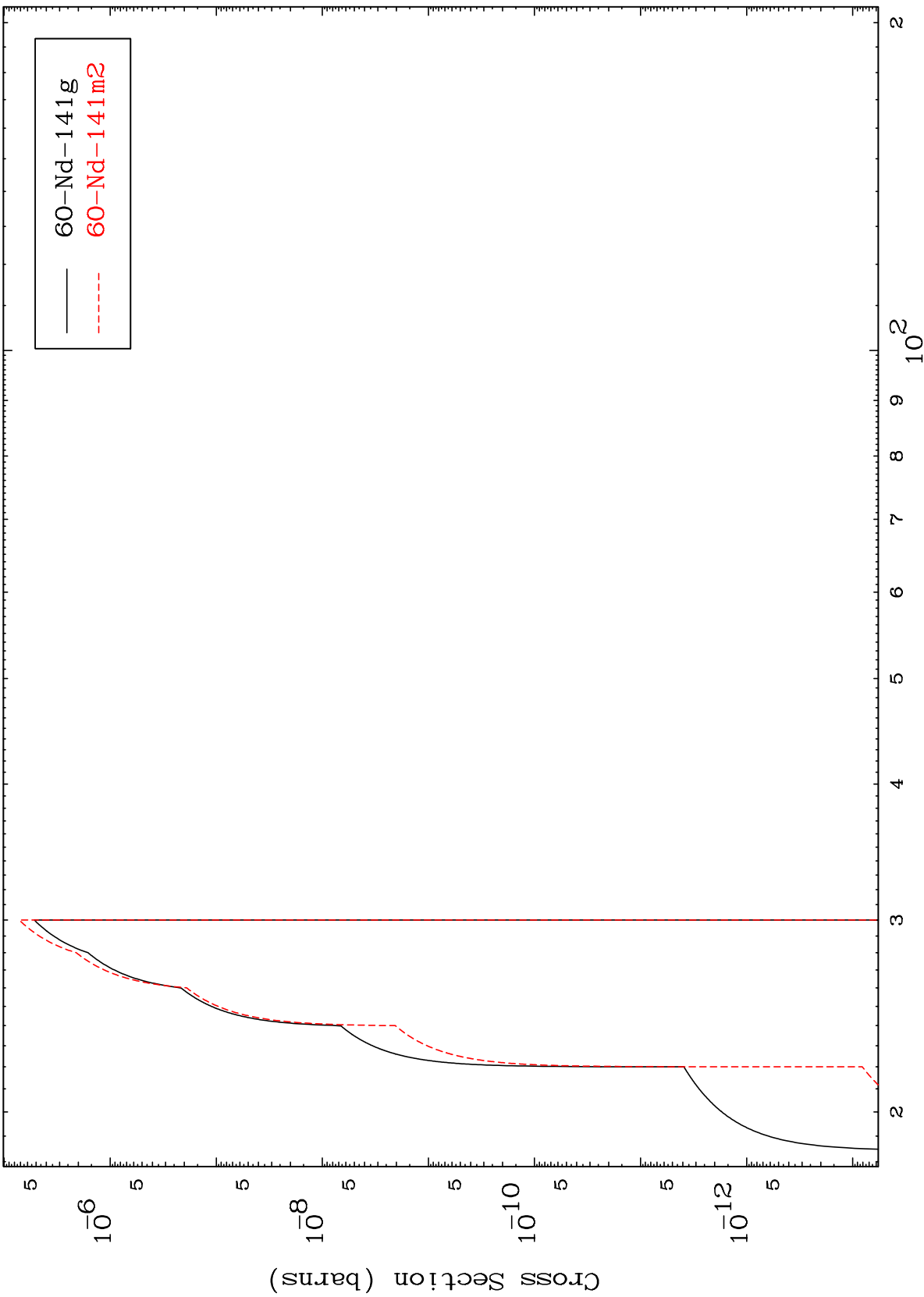


MAT 6140

(n,n') d

61-Pm-144

Radionuclide Production Cross Section



13

Incident Energy (MeV)

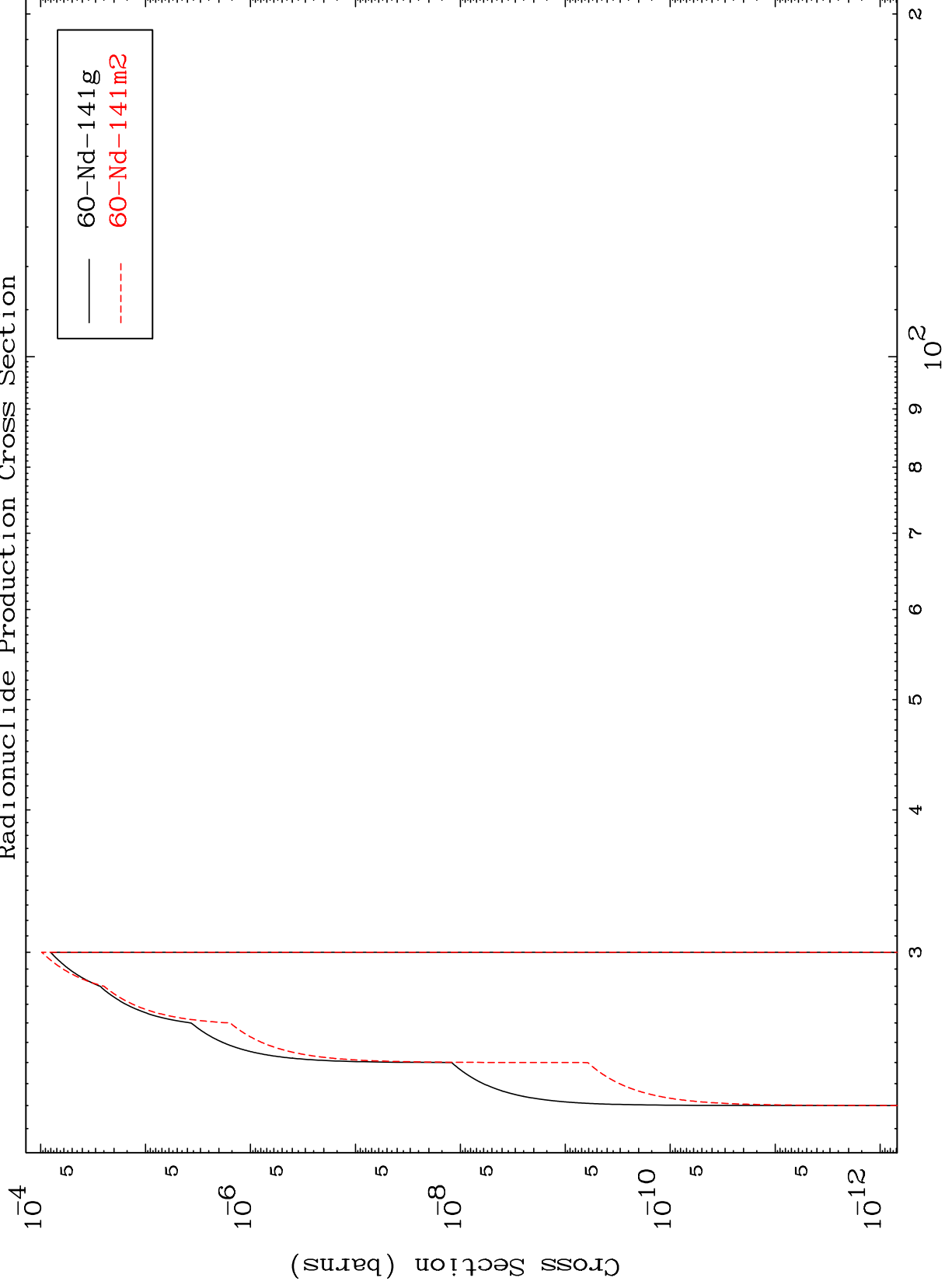
61-Pm-144

MAT 6140

(n,2n) p

61-Pm-144

Radionuclide Production Cross Section



14

Incident Energy (MeV)

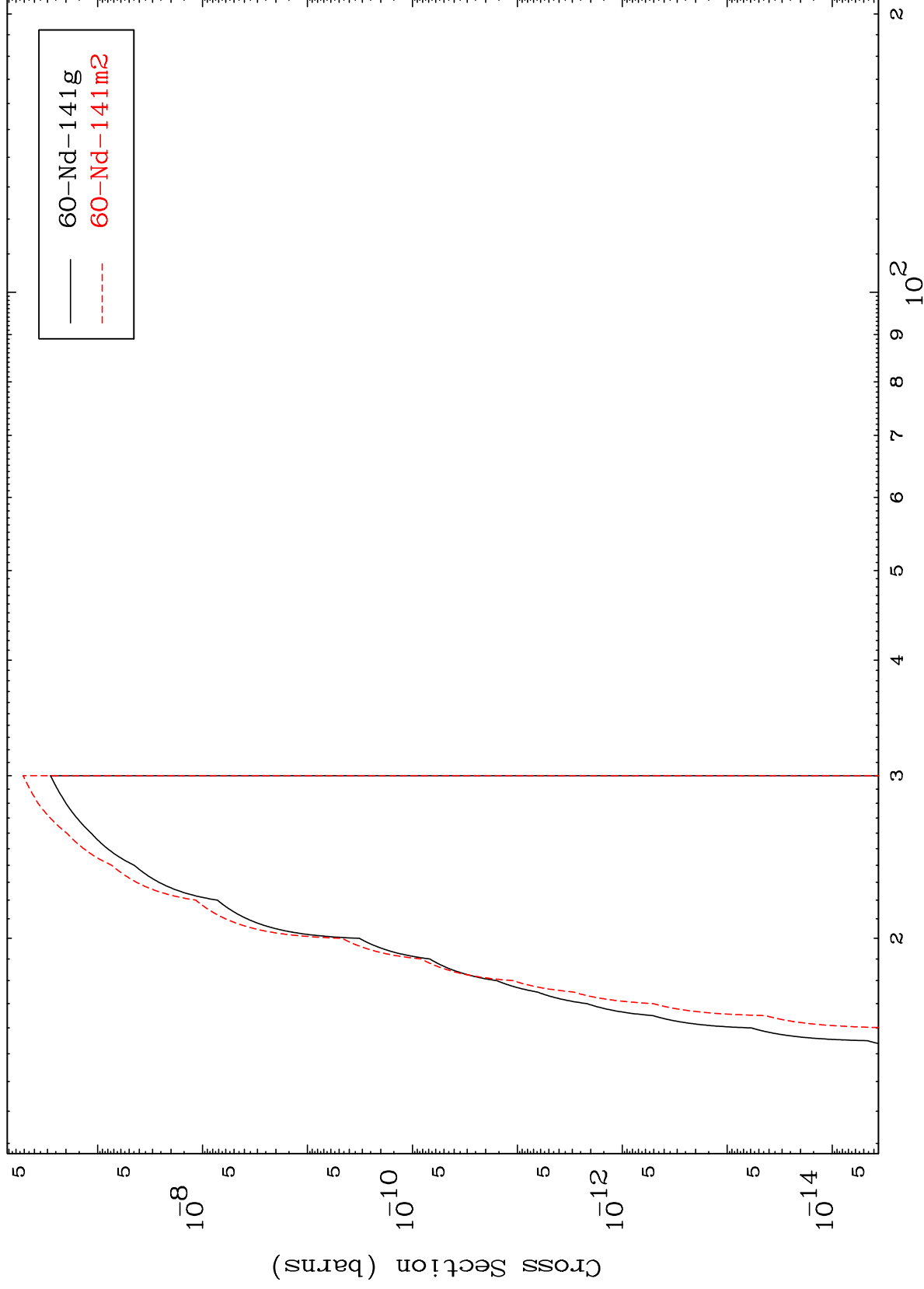
61-Pm-144

MAT 6140

(n, t)

61-Pm-144

Radionuclide Production Cross Section



15

Incident Energy (MeV)

61-Pm-144

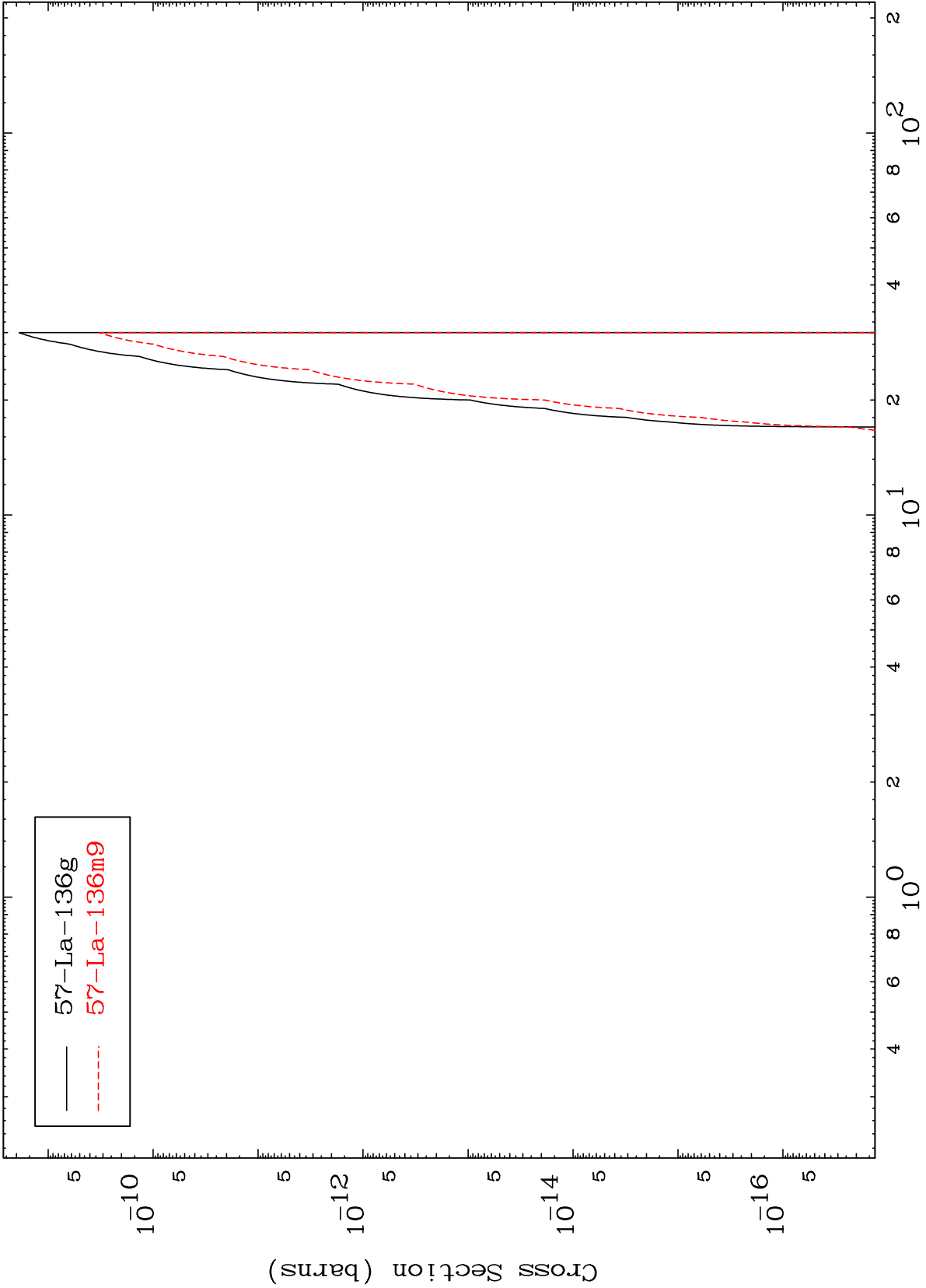


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(n,2α)

61-Pm-144

Radionuclide Production Cross Section



16

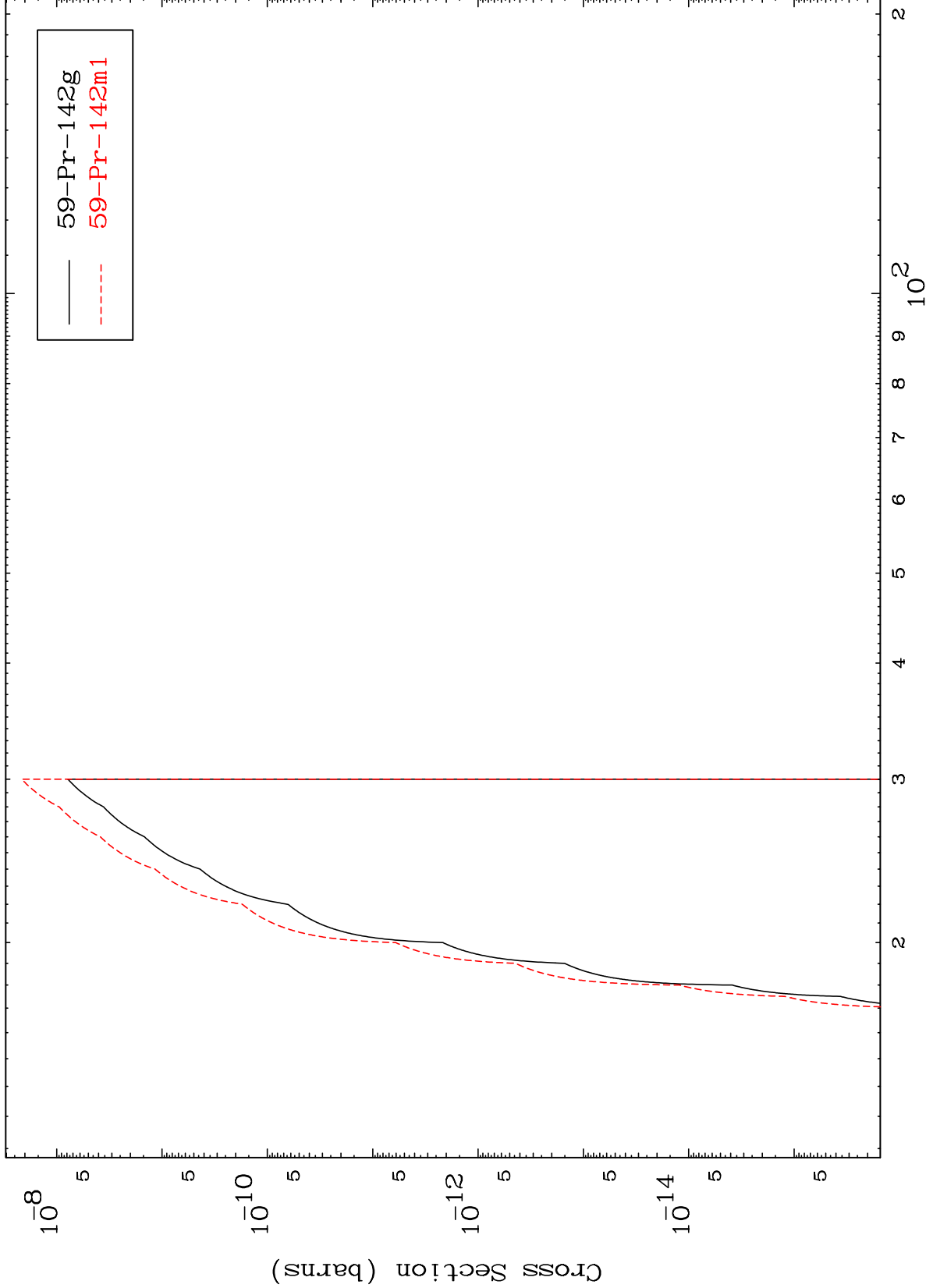
Incident Energy (MeV)

61-Pm-144

MAT 6140

61-Pm-144

(n,2p)  
Radionuclide Production Cross Section



59-Pr-142g  
59-Pr-142m1

17

Incident Energy (MeV)

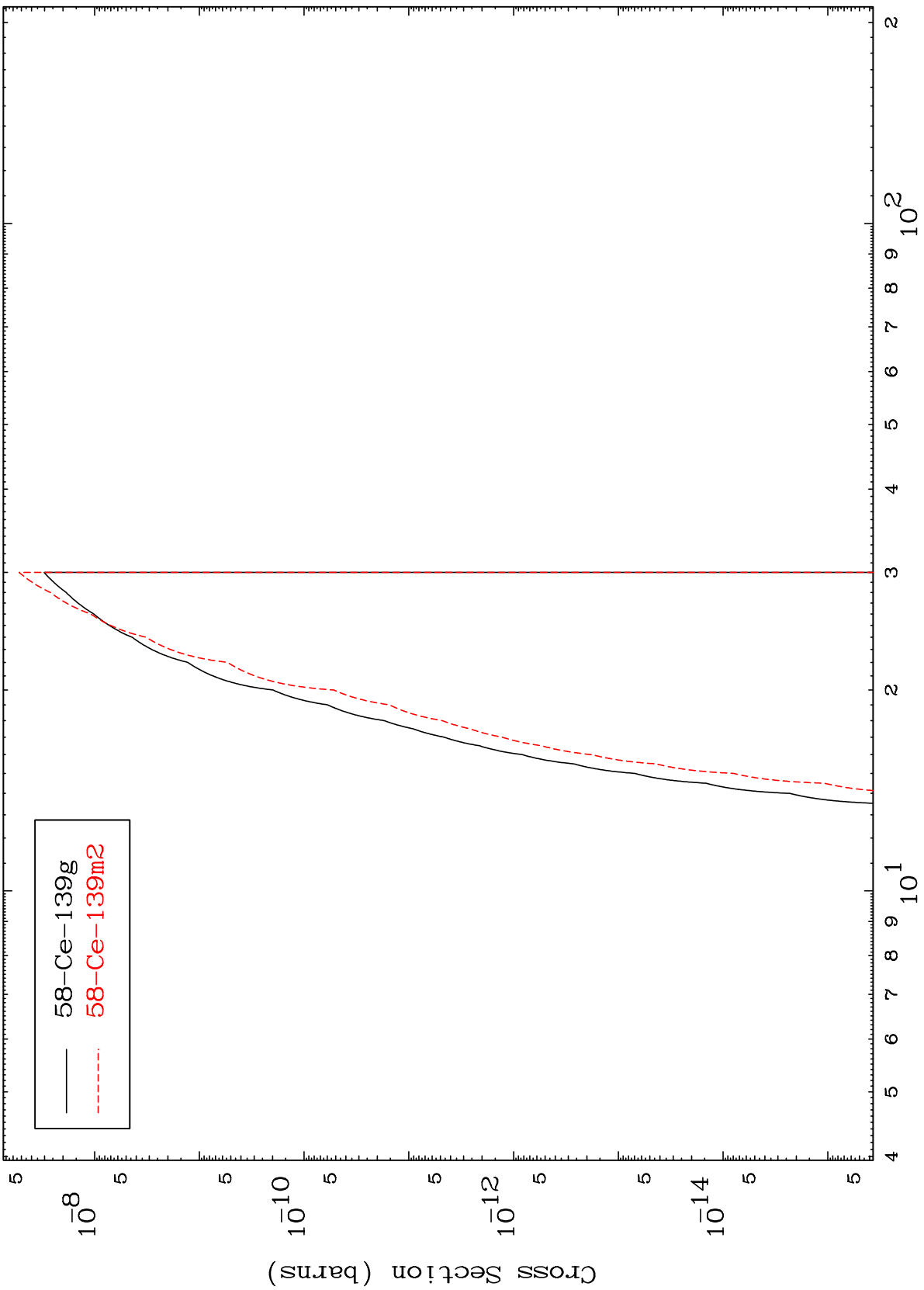
61-Pm-144

MAT 6140

(n,p)  $\alpha$

61-Pm-144

Radionuclide Production Cross Section



58-Ce-139g  
58-Ce-139m2

18

Incident Energy (MeV)

61-Pm-144