

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

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

Tele: 925-443-1911

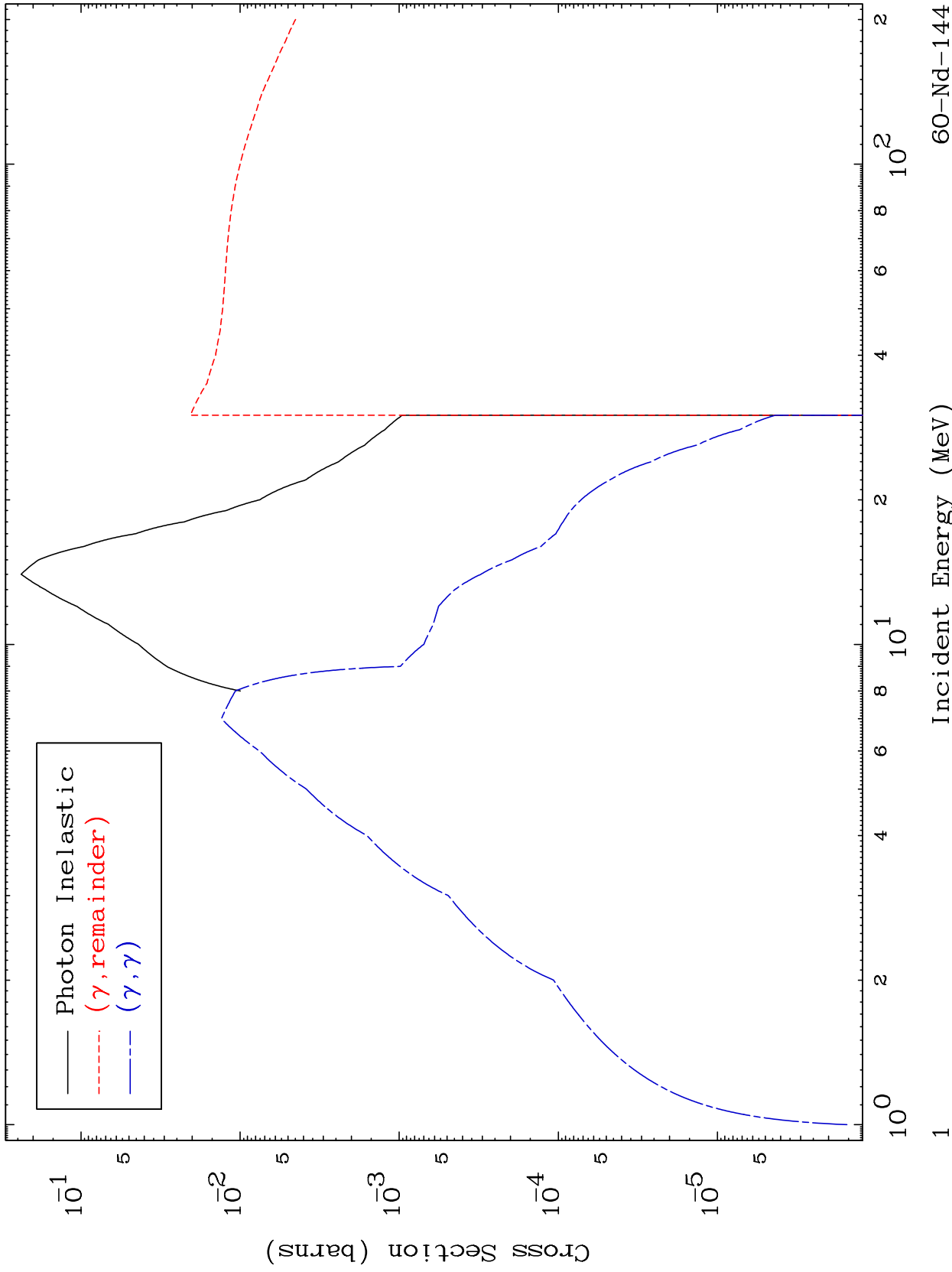
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6031

Photon Major  
0 Kelvin Cross Sections

60-Nd-144

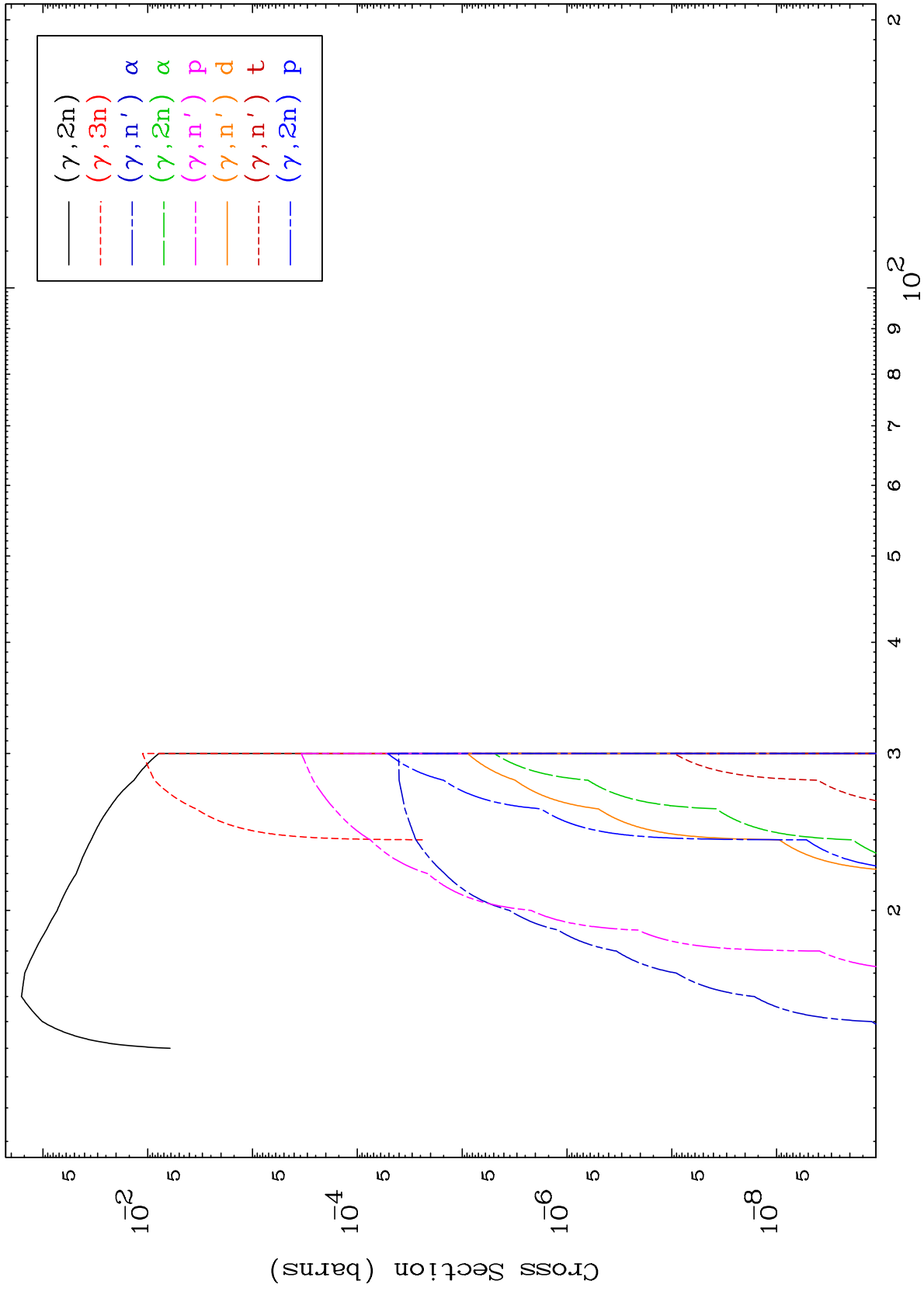


60-Nd-144

MAT 6031

Photon Neutron Production  
0 Kelvin Cross Sections

60-Nd-144



2

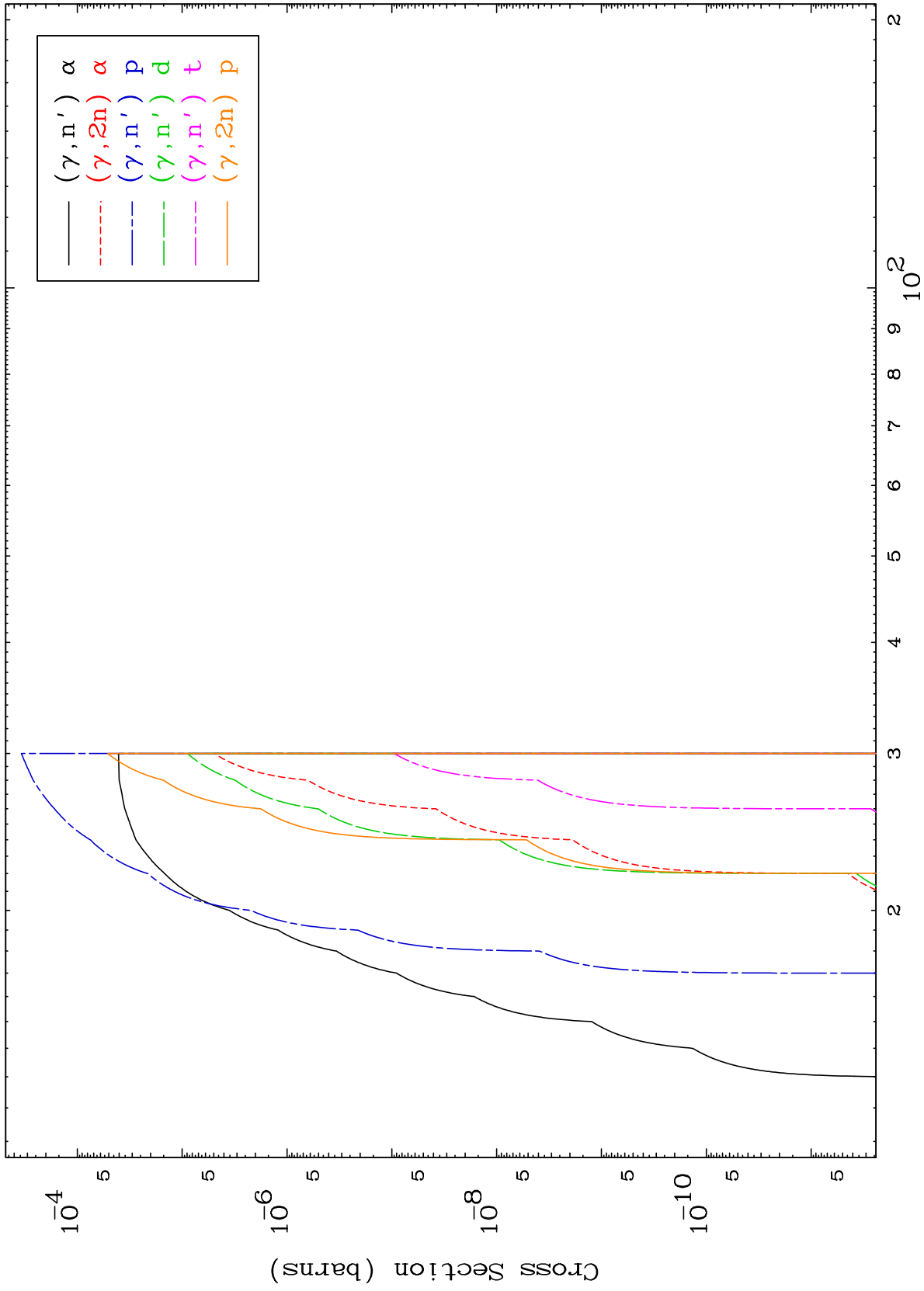
Incident Energy (MeV)

60-Nd-144

MAT 6031

Photon Charged Particle  
0 Kelvin Cross Sections

60-Nd-144



3

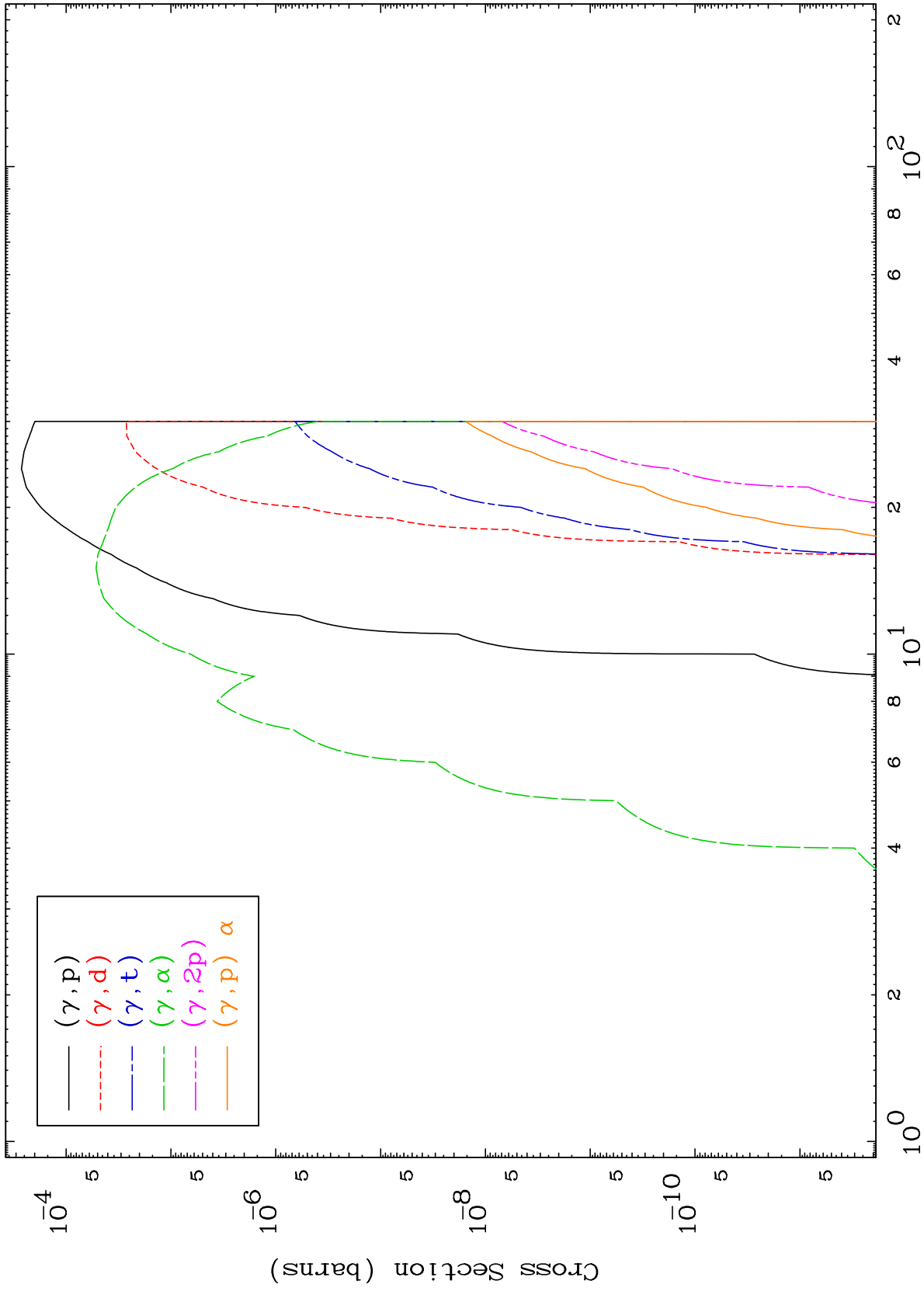
Incident Energy (MeV)

60-Nd-144

MAT 6031

Photon Charged Particle  
0 Kelvin Cross Sections

60-Nd-144



MAT 6031

Photon Charged Particle  
0 Kelvin Cross Sections

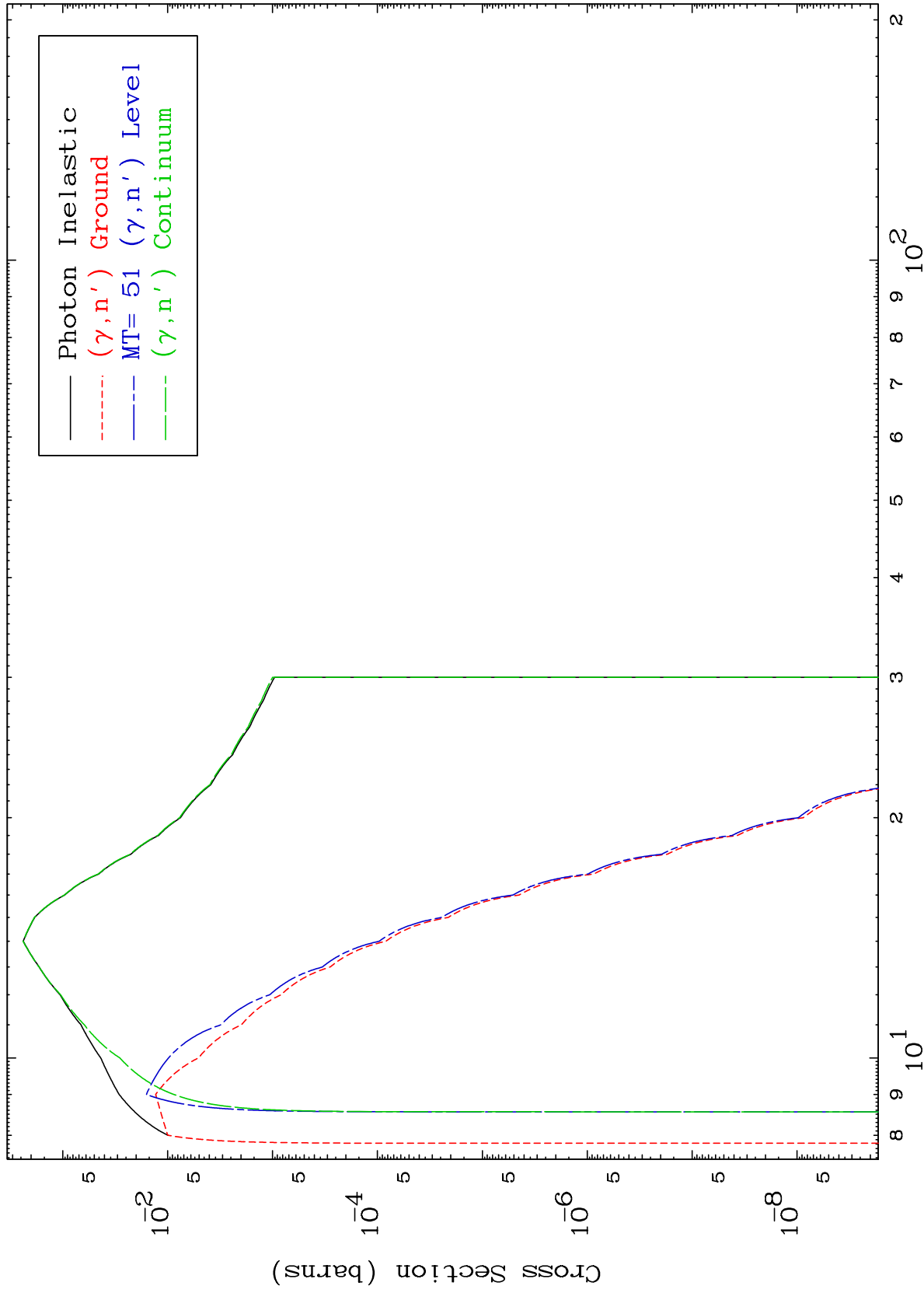
60-Nd-144

MAT 6031

$(\gamma, n')$  Level

60-Nd-144

0 Kelvin Cross Sections



5

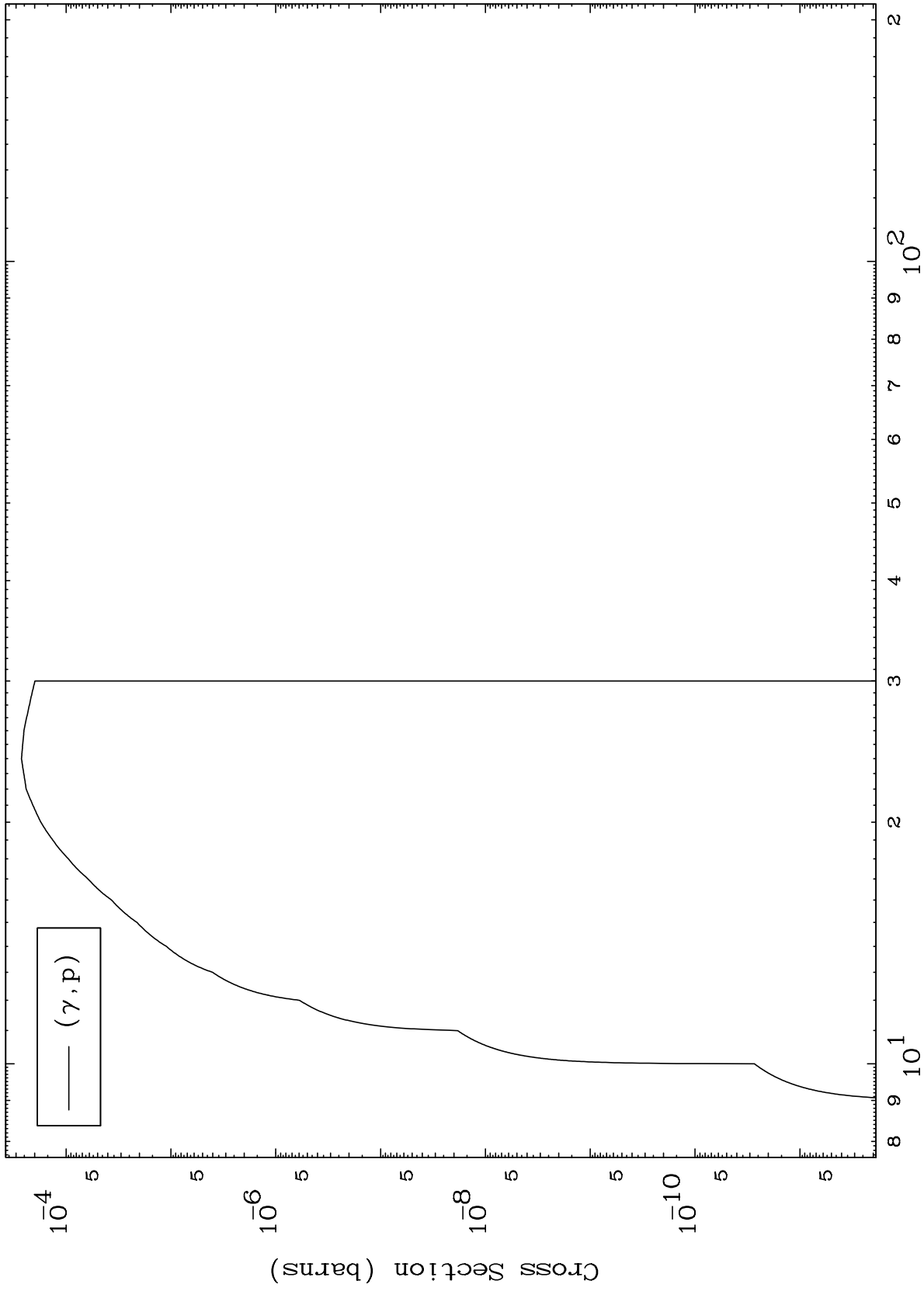
Incident Energy (MeV)

60-Nd-144

MAT 6031

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

60-Nd-144



6

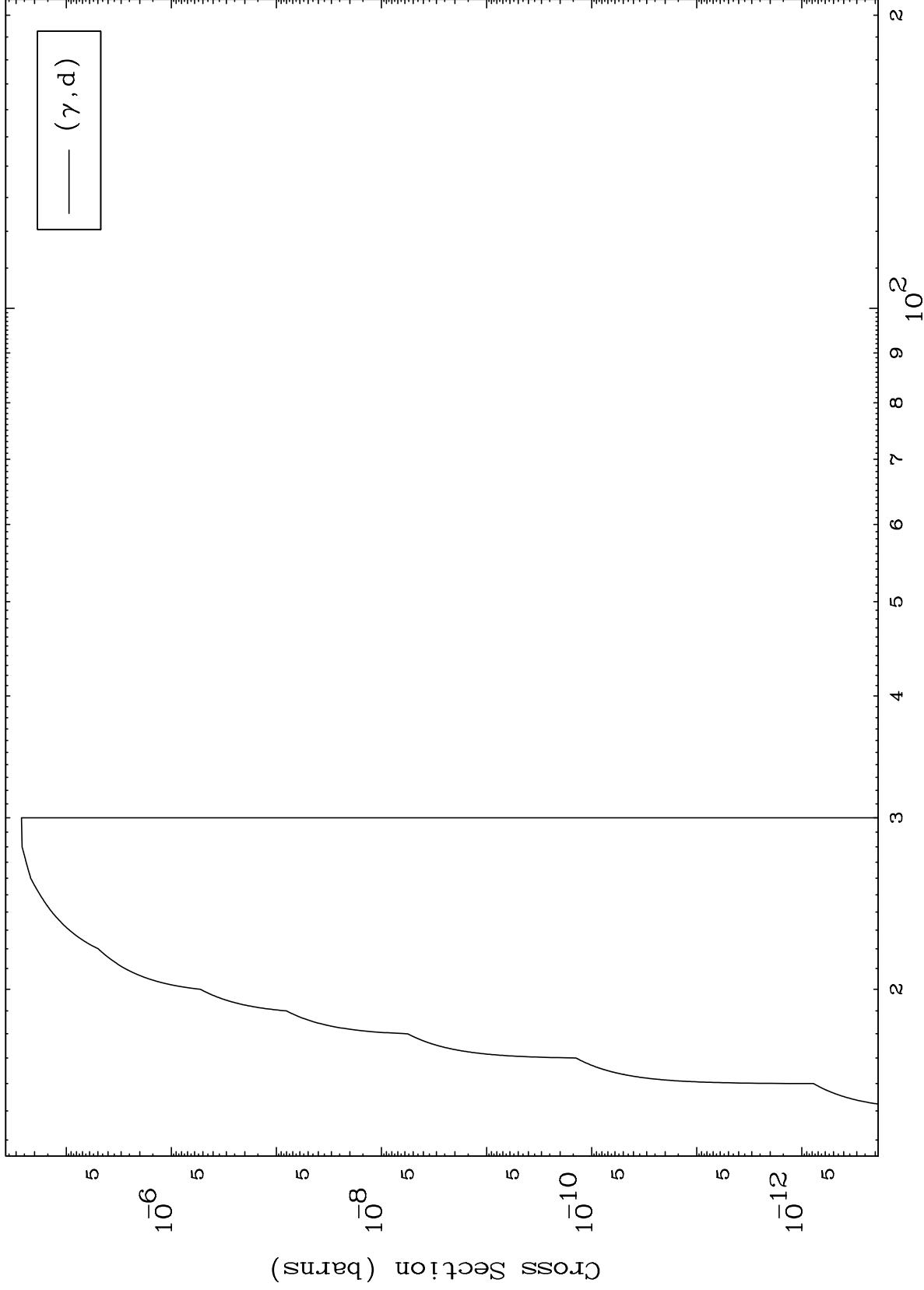
Incident Energy (MeV)

60-Nd-144

MAT 6031

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

60-Nd-144



7

Incident Energy (MeV)

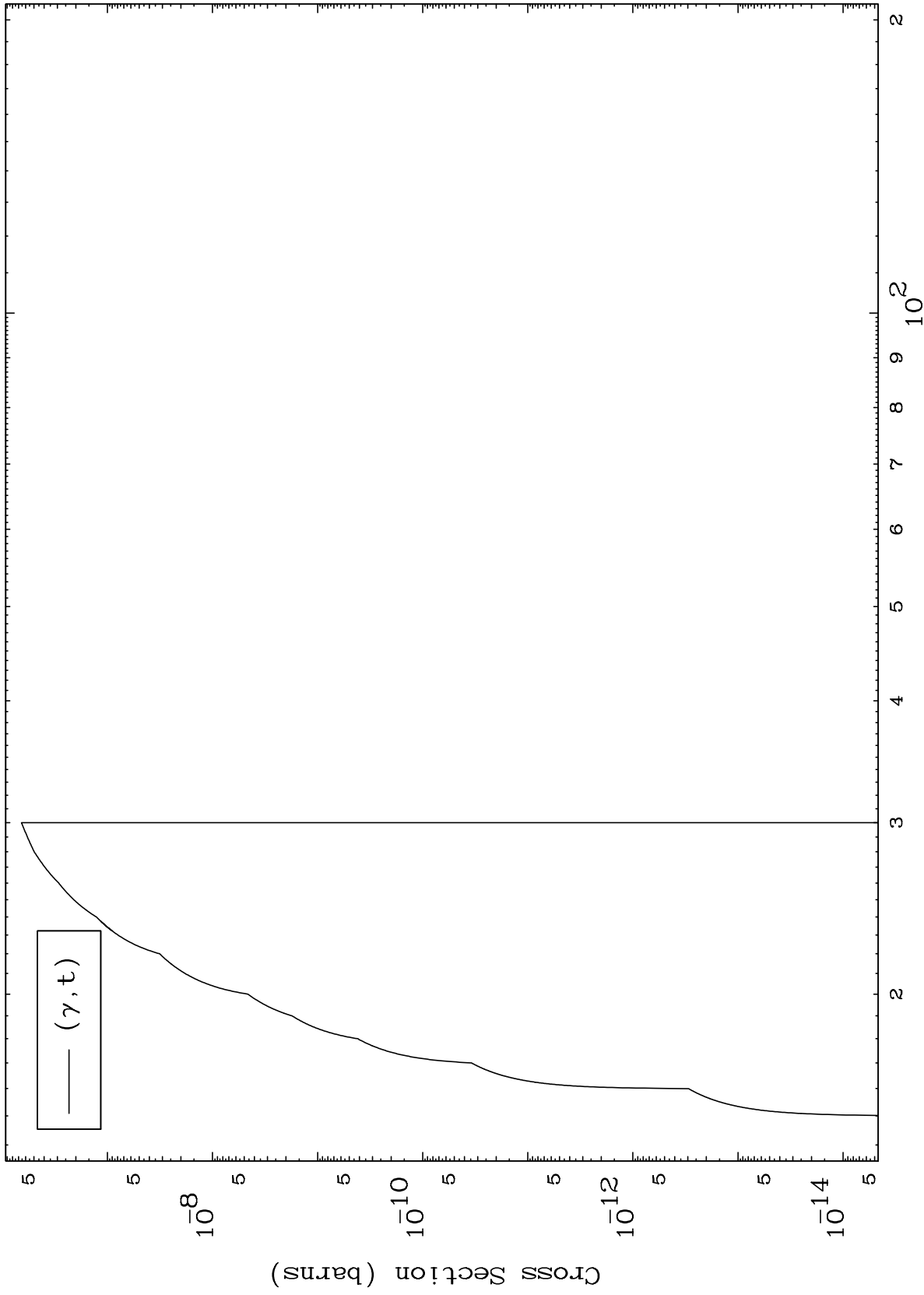
60-Nd-144



MAT 6031

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

60-Nd-144



8

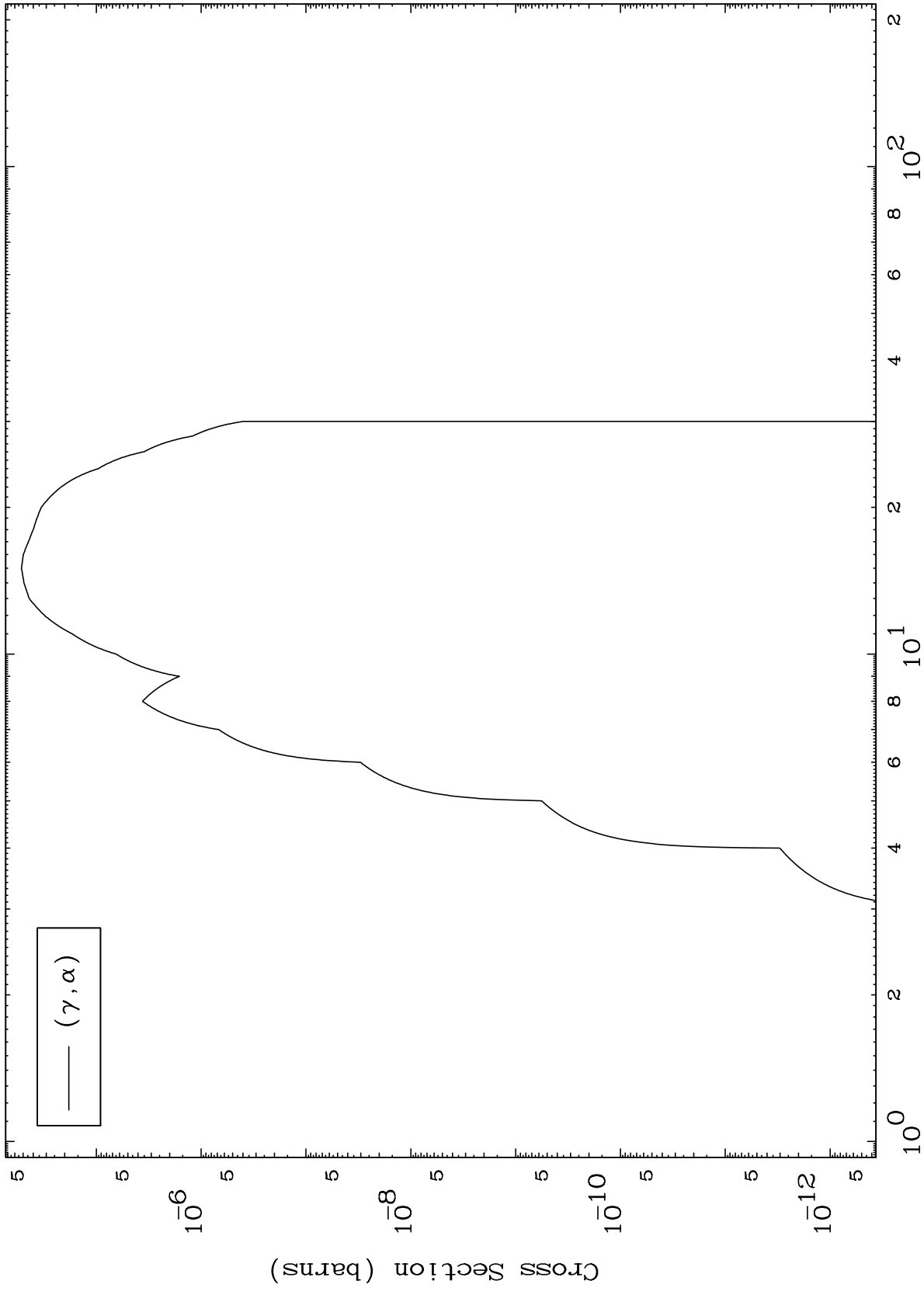
Incident Energy (MeV)

60-Nd-144

MAT 6031

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

60-Nd-144



Incident Energy (MeV)

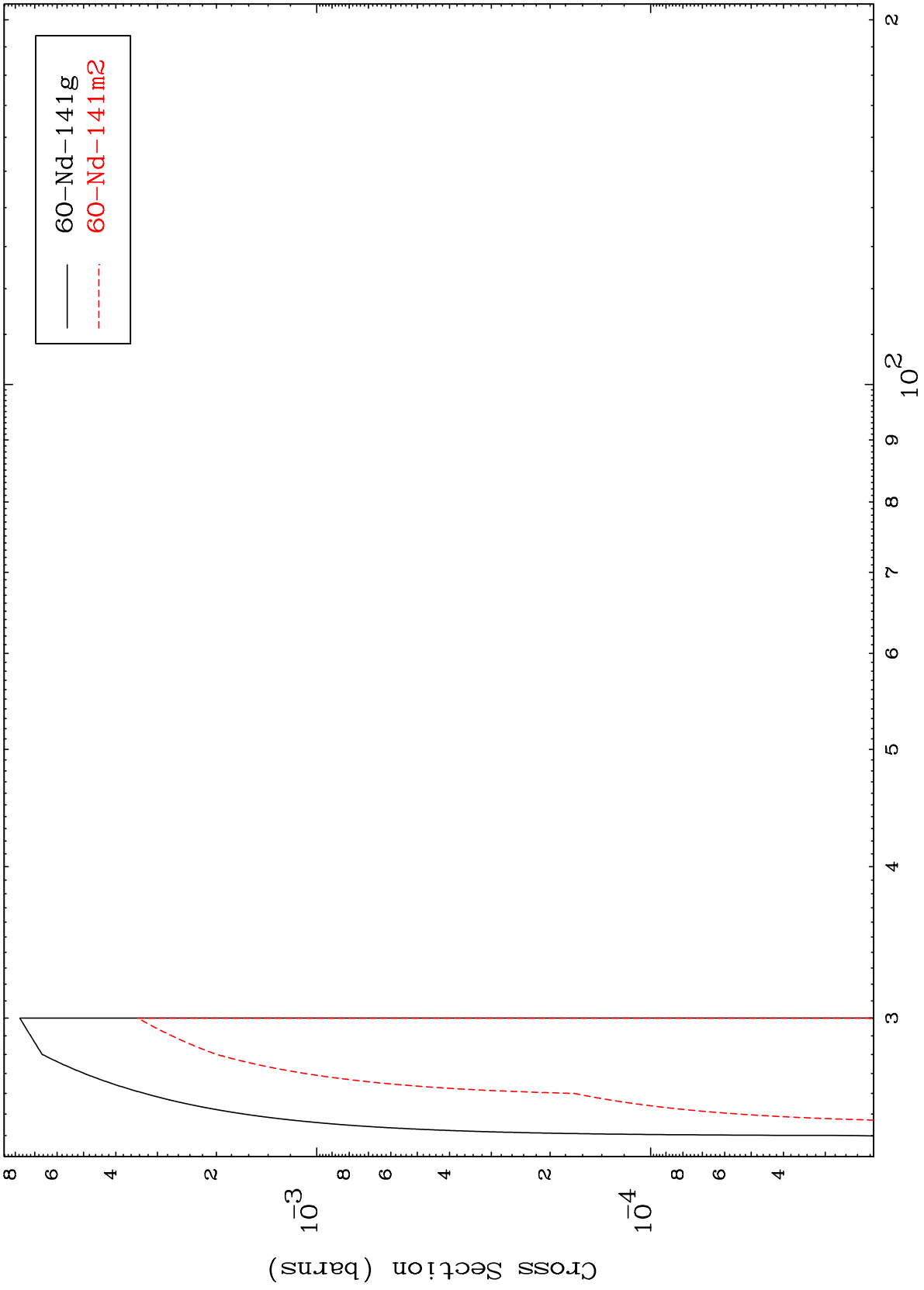
60-Nd-144

MAT 6031

( $\gamma, 3n$ )

$^{60}\text{Nd}-144$

Radionuclide Production Cross Section



10

Incident Energy (MeV)

$10^2$

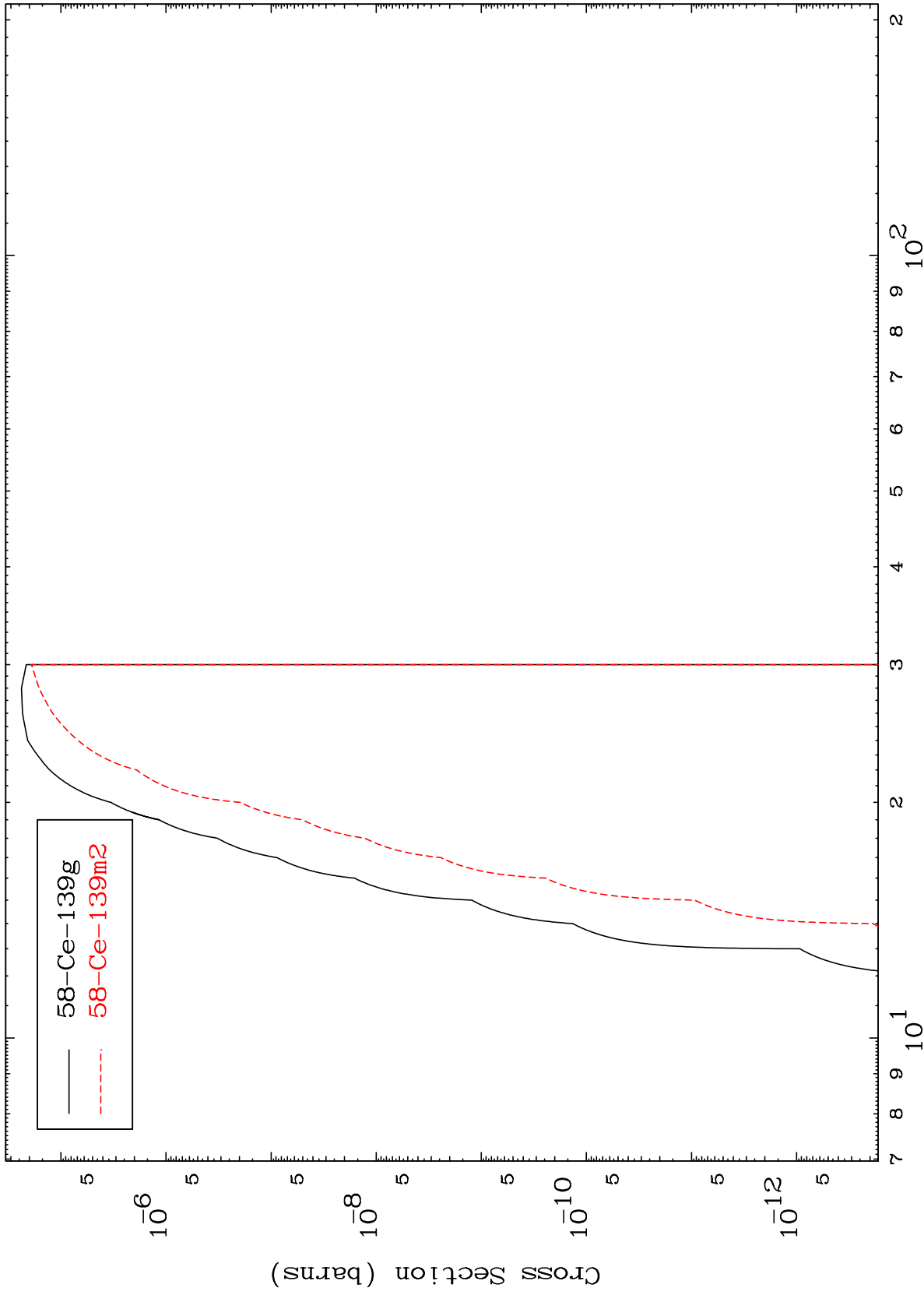
$^{60}\text{Nd}-144$

MAT 6031

$(\gamma, n')$   $\alpha$

$^{60}\text{Nd}-144$

Radionuclide Production Cross Section



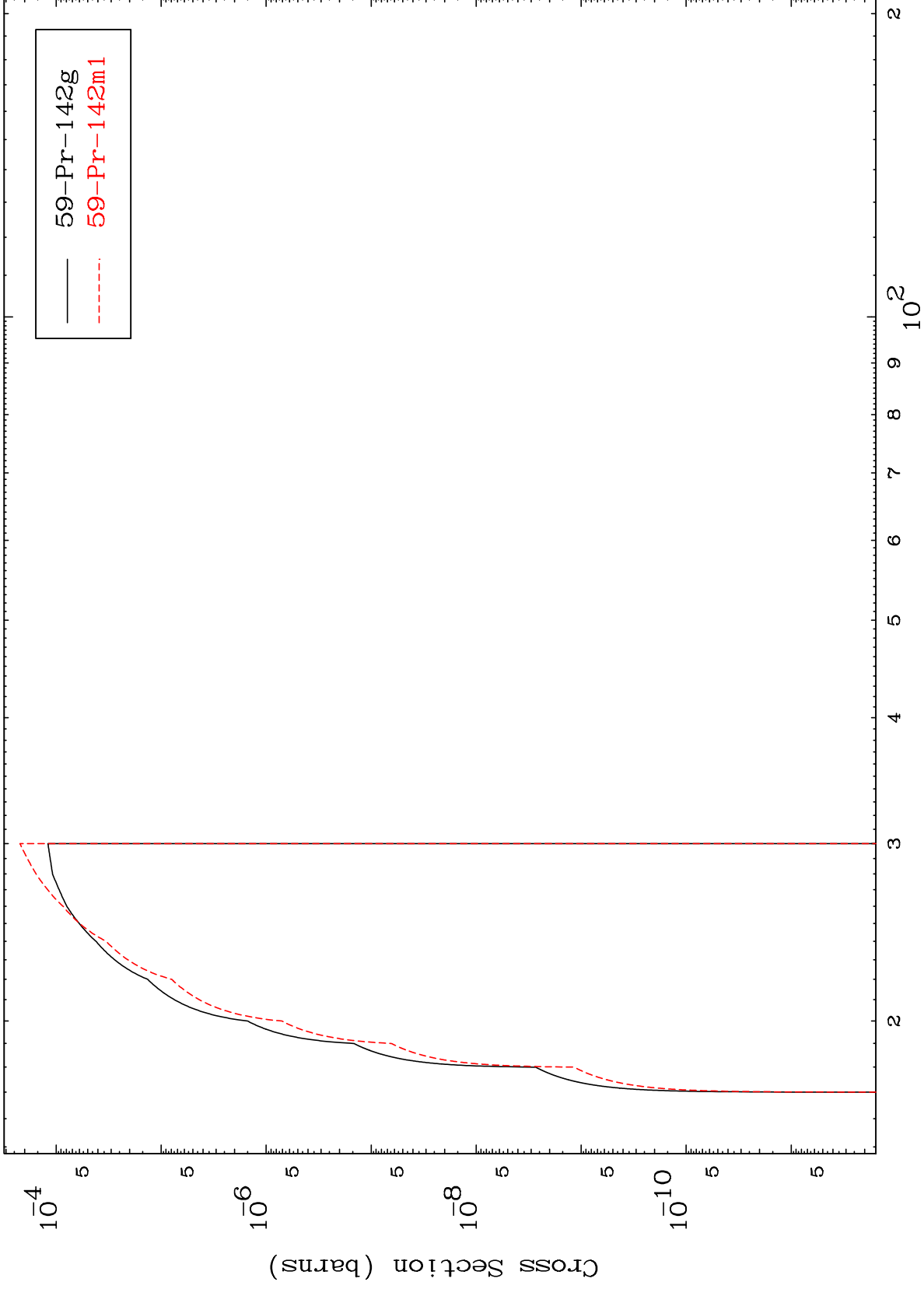
58-Ce-139g  
58-Ce-139m2

MAT 6031

( $\gamma, n'$ ) p

$^{60}\text{Nd}-144$

Radionuclide Production Cross Section



12

Incident Energy (MeV)

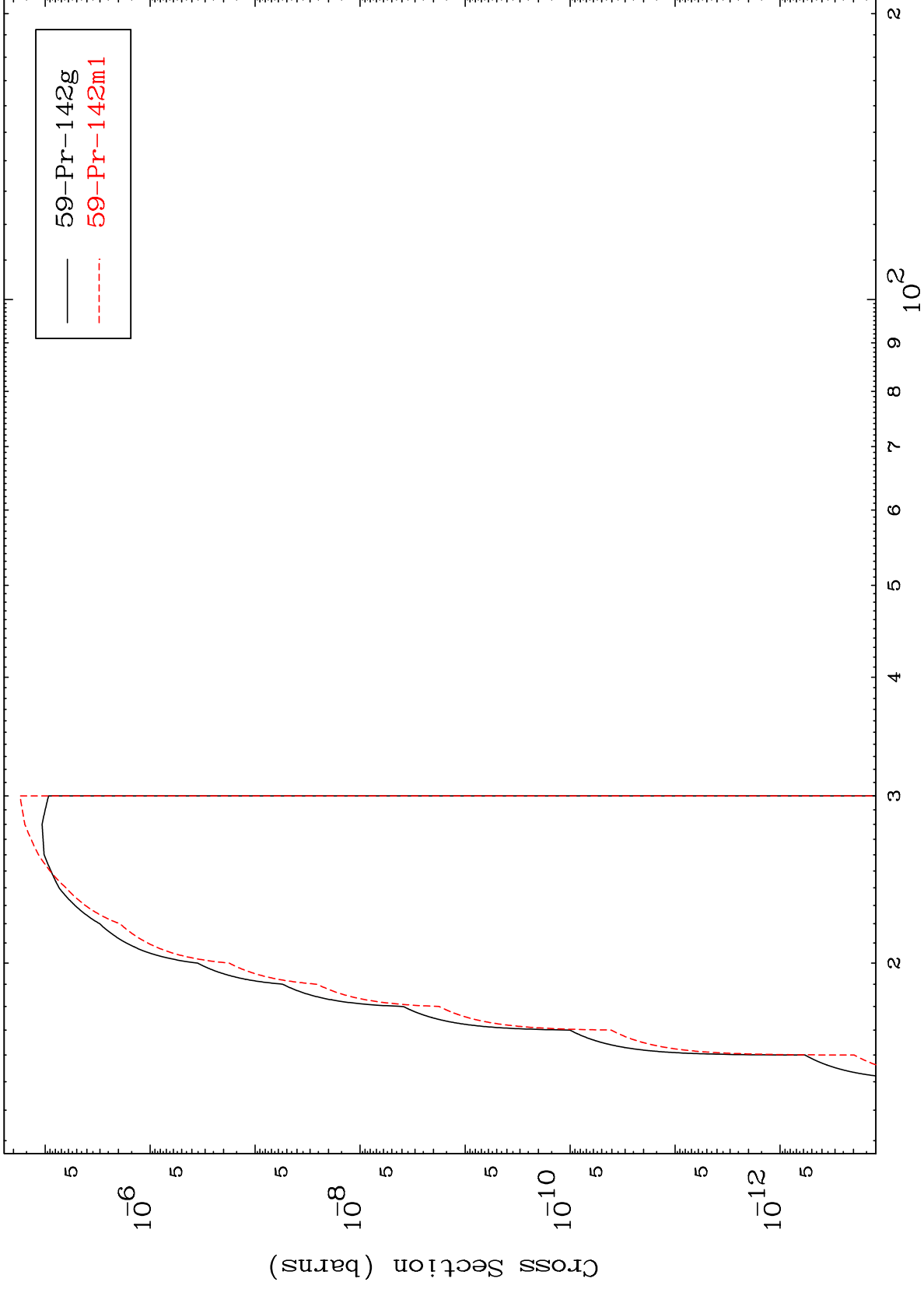
$^{60}\text{Nd}-144$

MAT 6031

( $\gamma, d$ )

$^{60}\text{Nd}-144$

Radionuclide Production Cross Section



13

Incident Energy (MeV)

$^{60}\text{Nd}-144$