

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

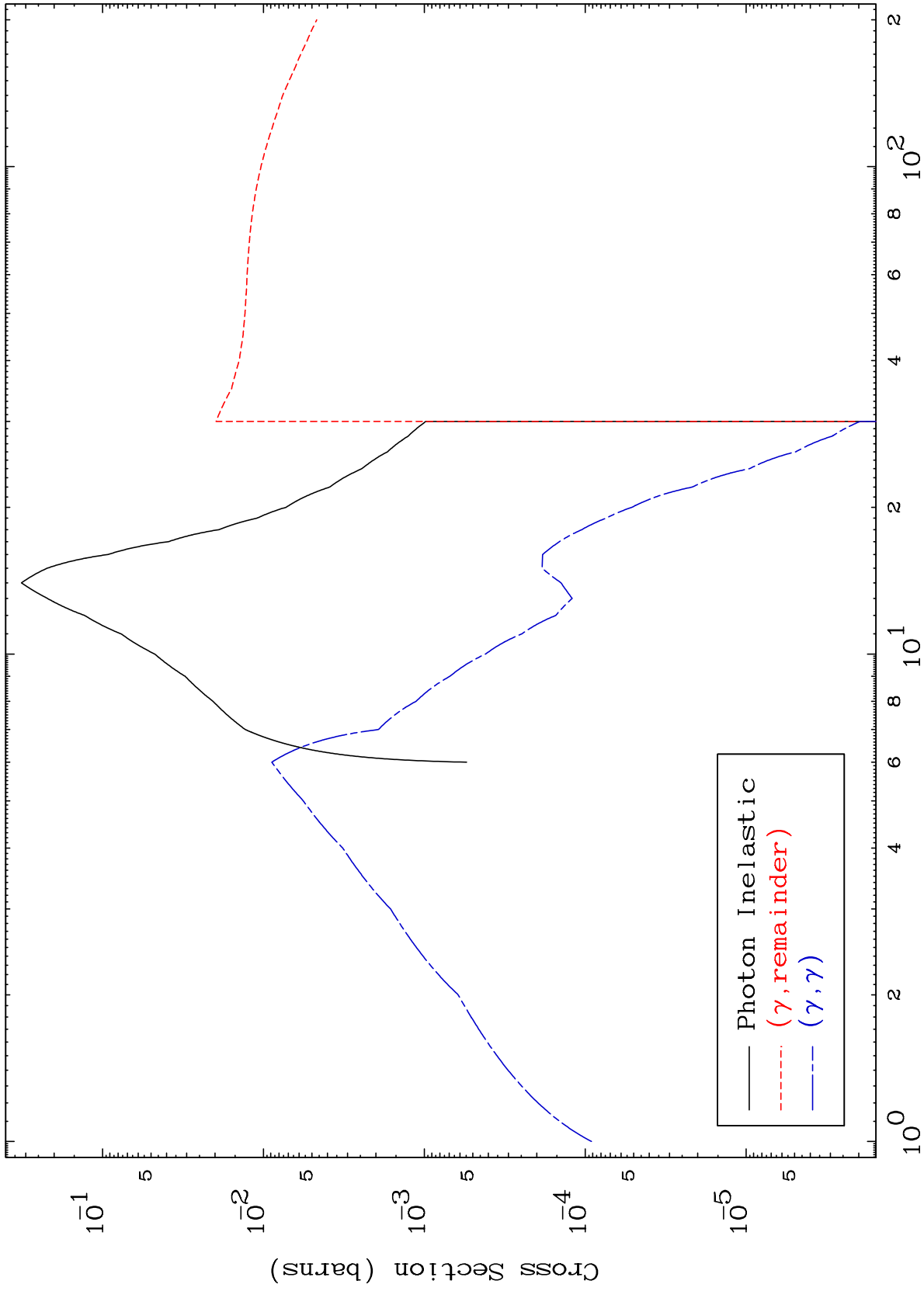
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6166

Photon Major  
0 Kelvin Cross Sections

61-Pm-152



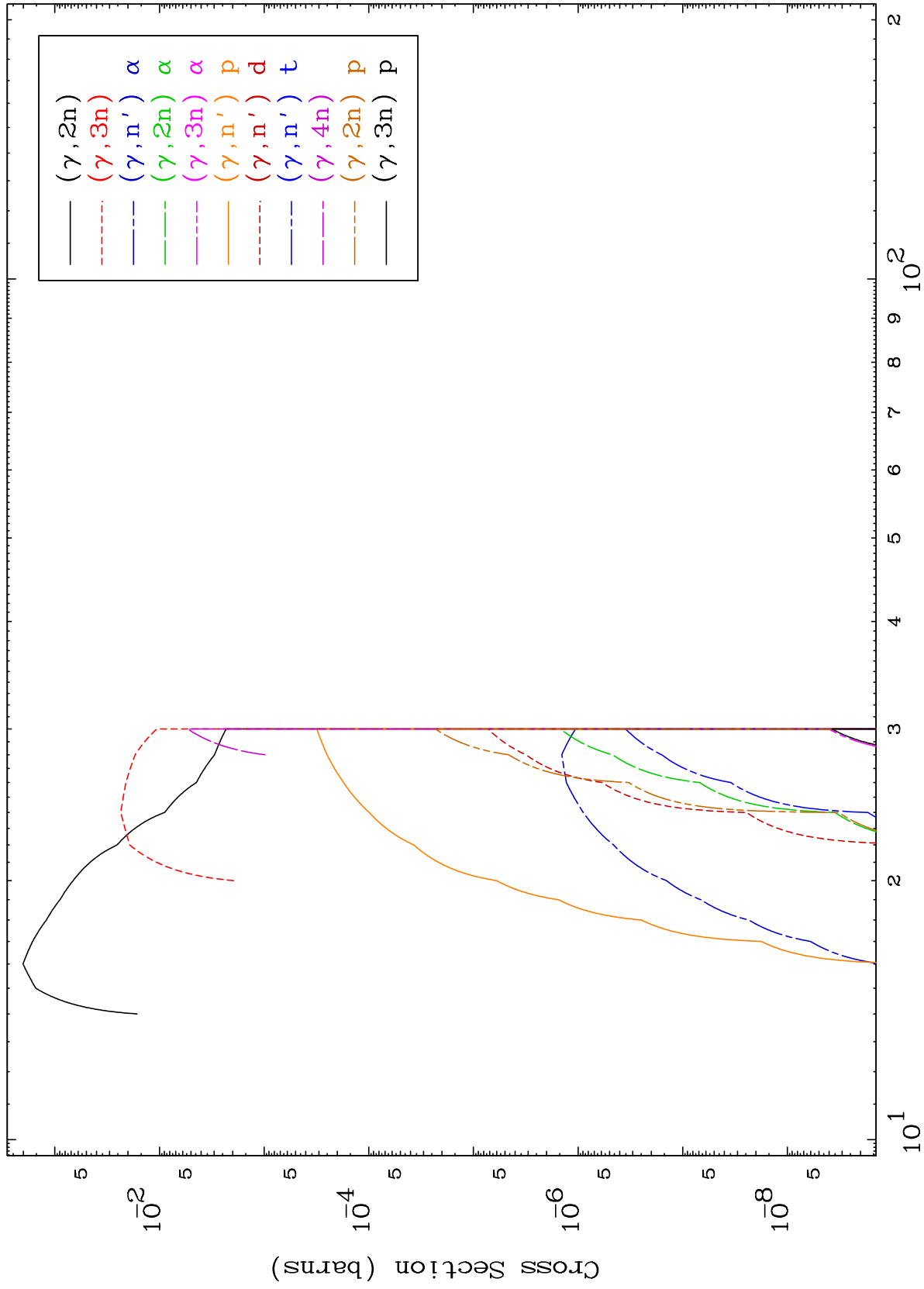
61-Pm-152

61-Pm-152

MAT 6166

Photon Neutron Production  
0 Kelvin Cross Sections

61-Pm-152



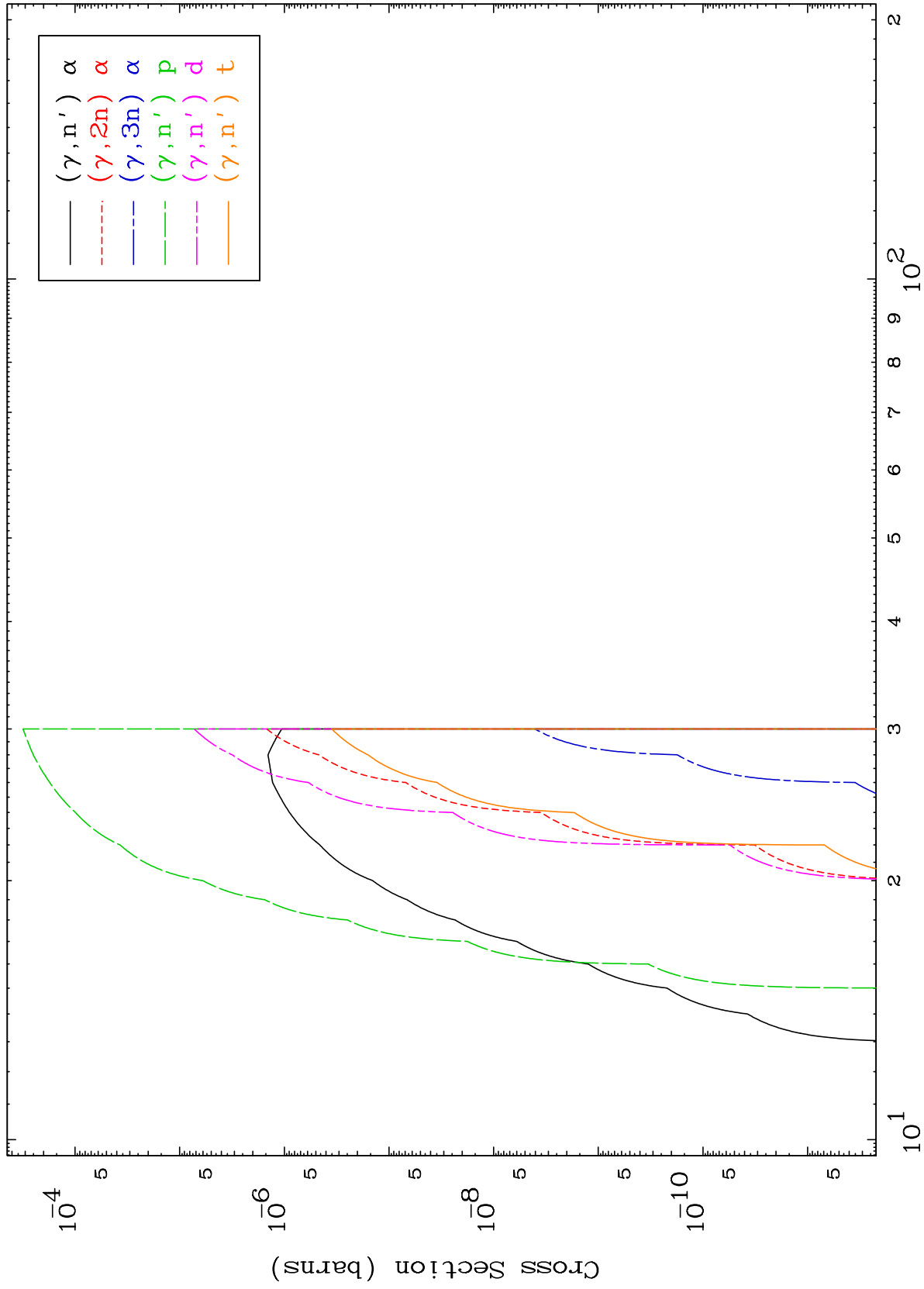
61-Pm-152

Incident Energy (MeV)

MAT 6166

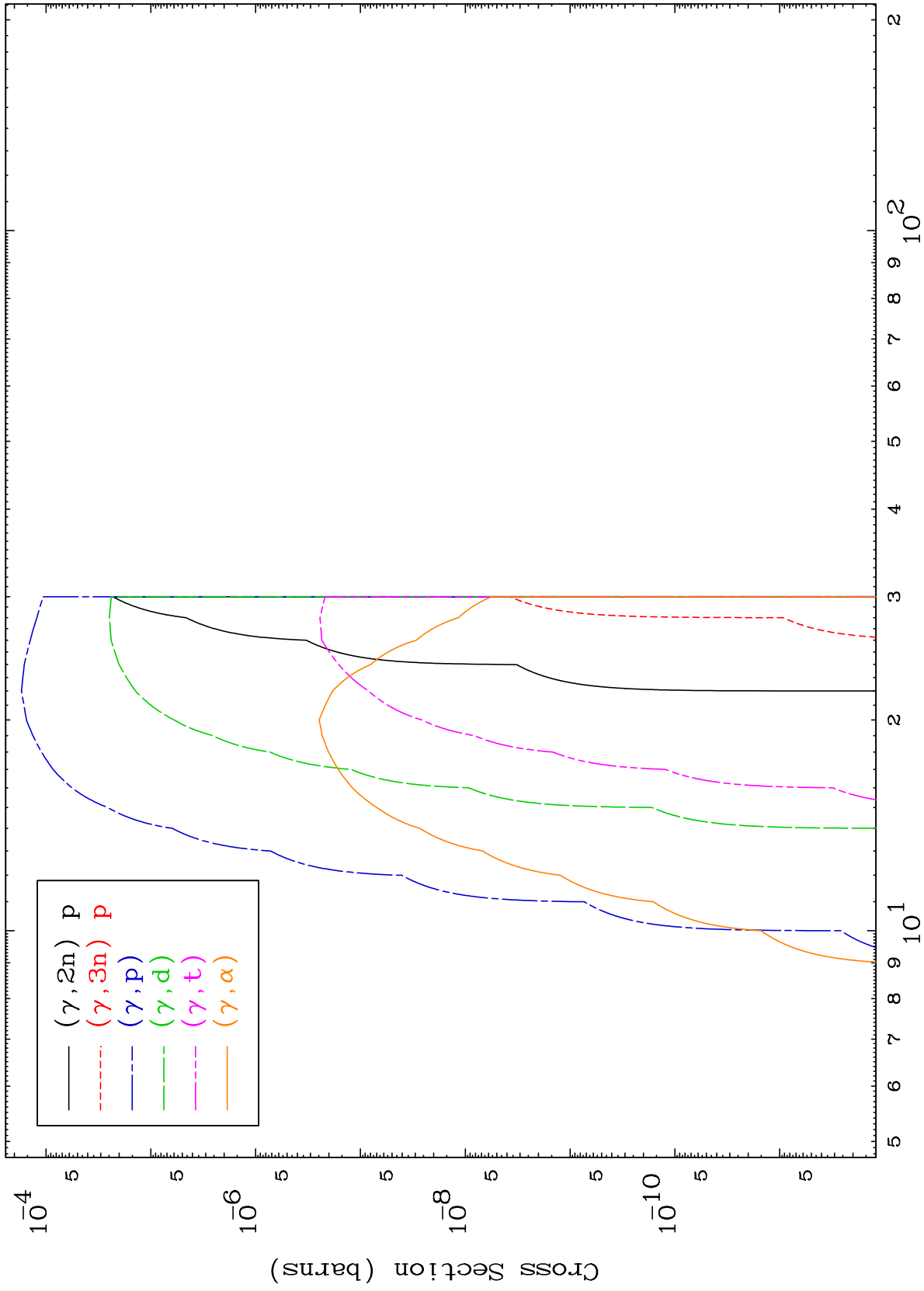
Photon Charged Particle  
0 Kelvin Cross Sections

61-Pm-152



Incident Energy (MeV)

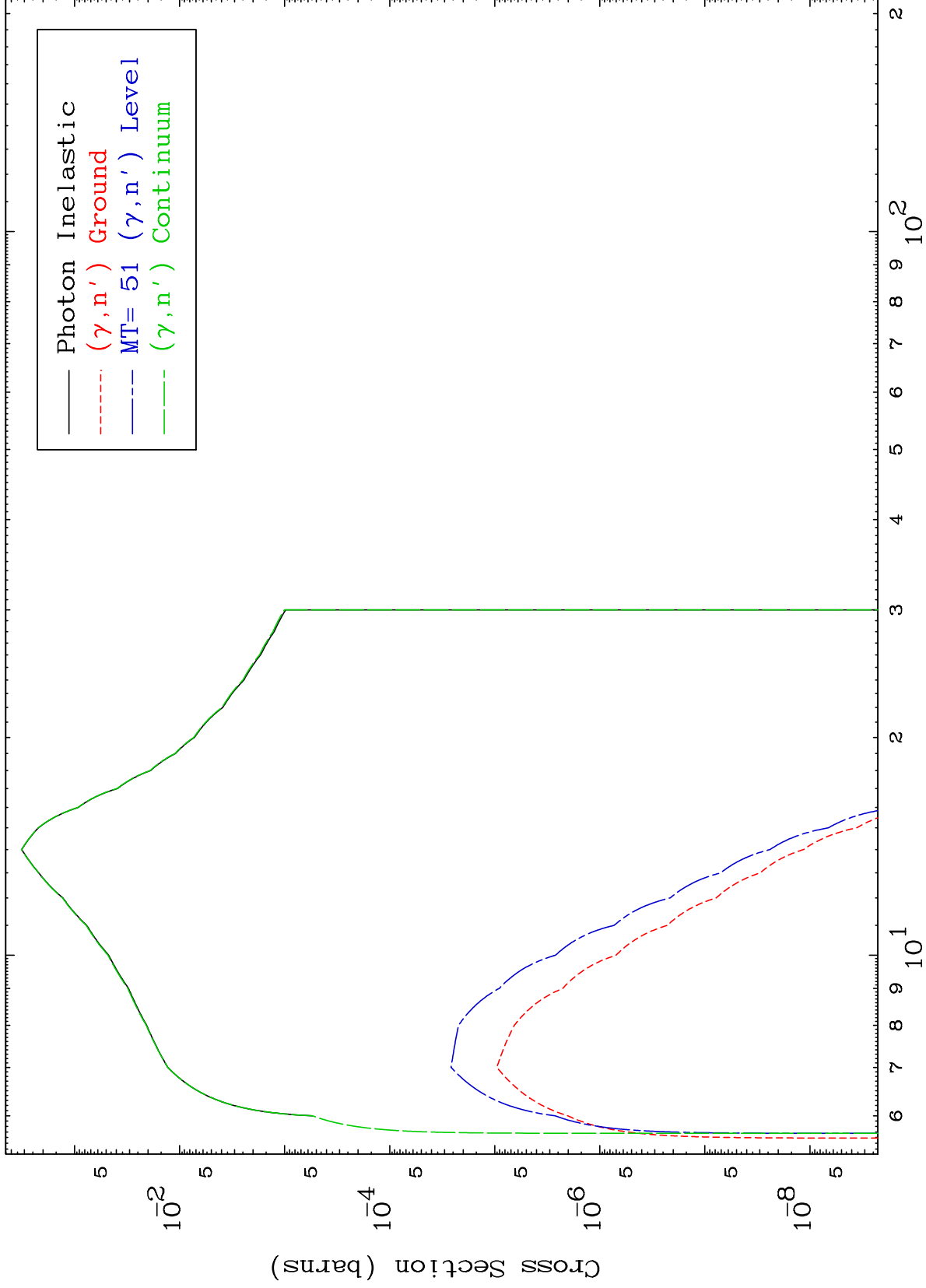
61-Pm-152



MAT 6166

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

61-Pm-152



5

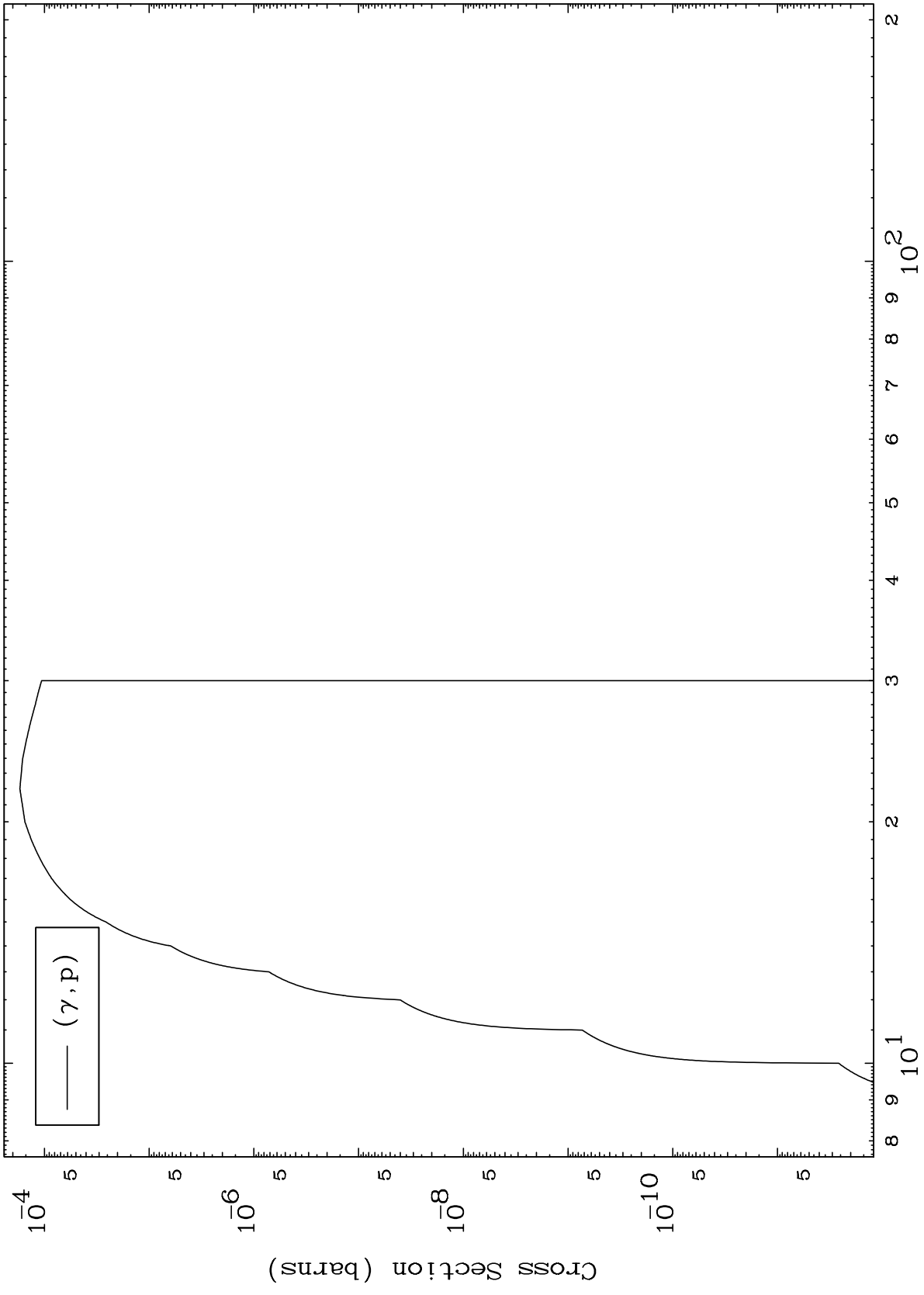
Incident Energy (MeV)

61-Pm-152

MAT 6166

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

61-Pm-152



6

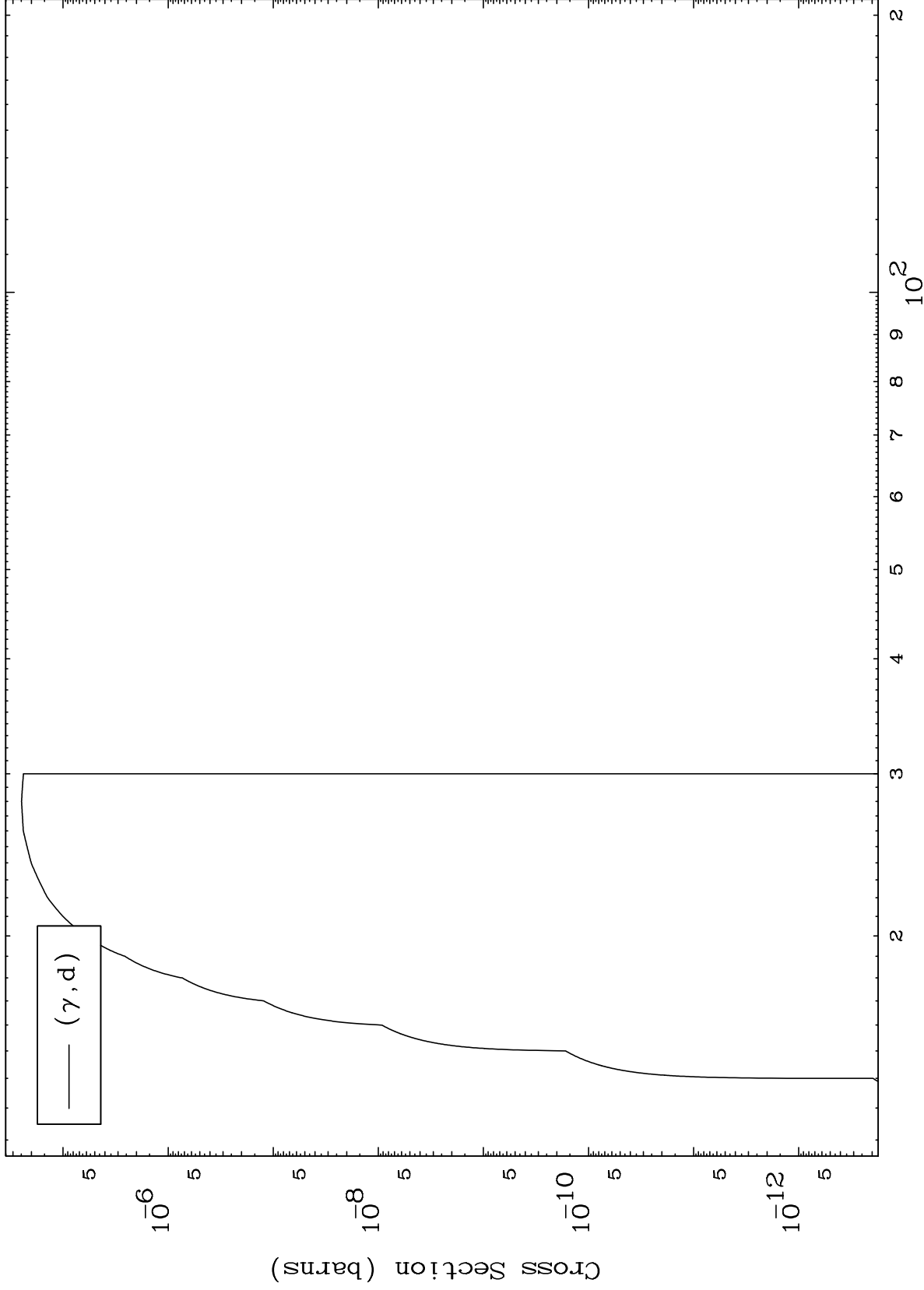
Incident Energy (MeV)

61-Pm-152

MAT 6166

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

61-Pm-152



7

Incident Energy (MeV)

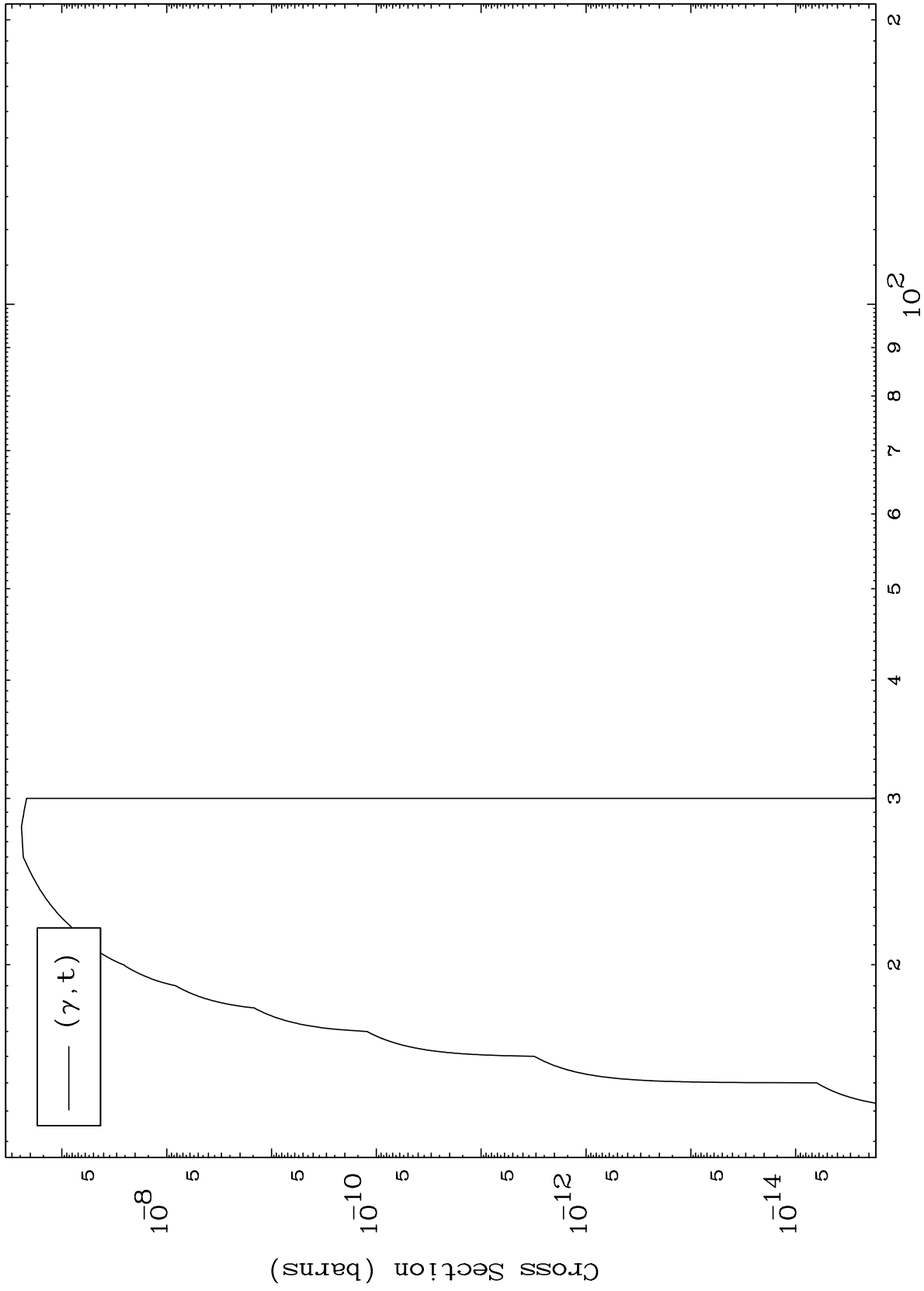
61-Pm-152



MAT 6166

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

61-Pm-152



8

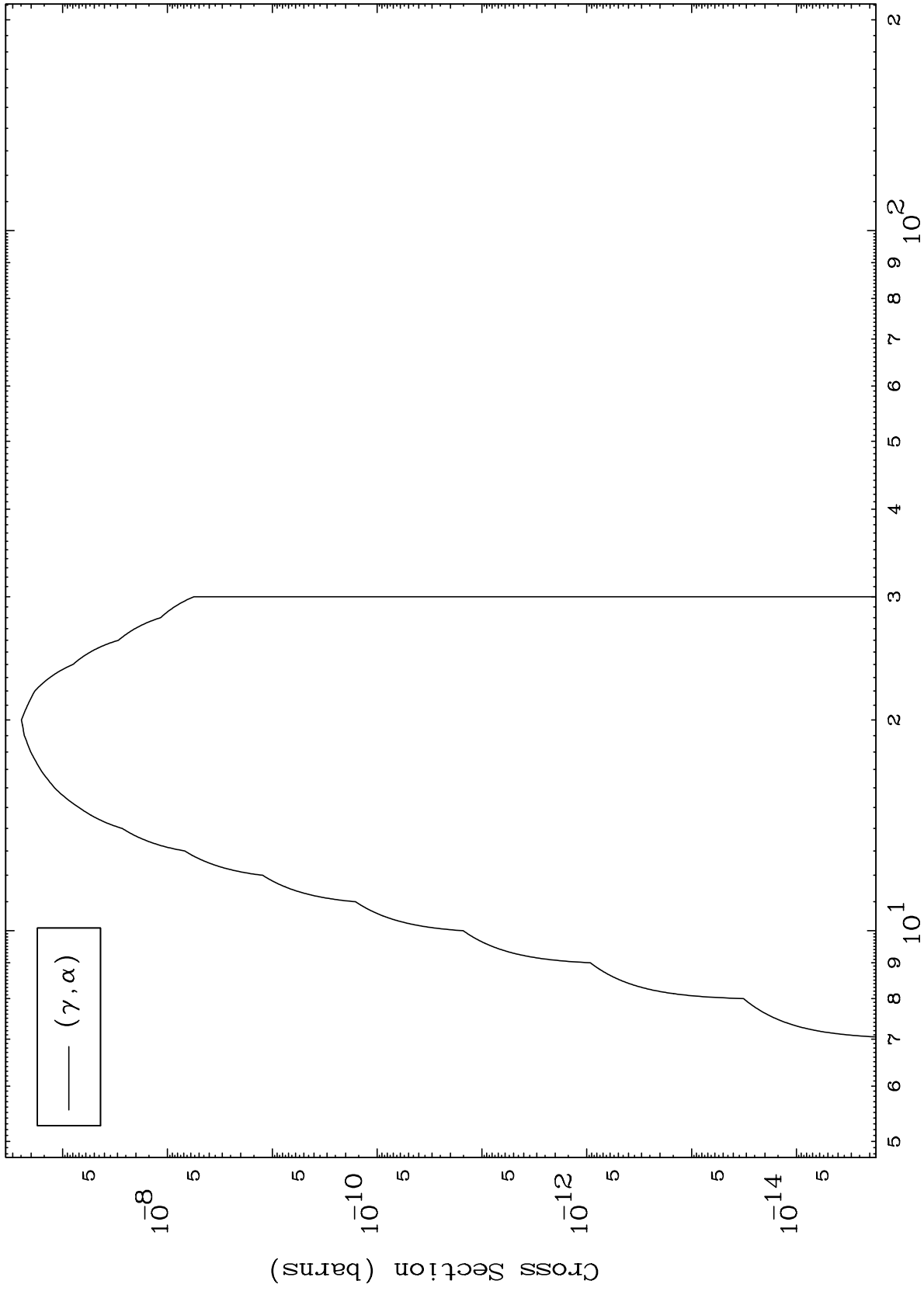
Incident Energy (MeV)

61-Pm-152

MAT 6166

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

61-Pm-152



9

Incident Energy (MeV)

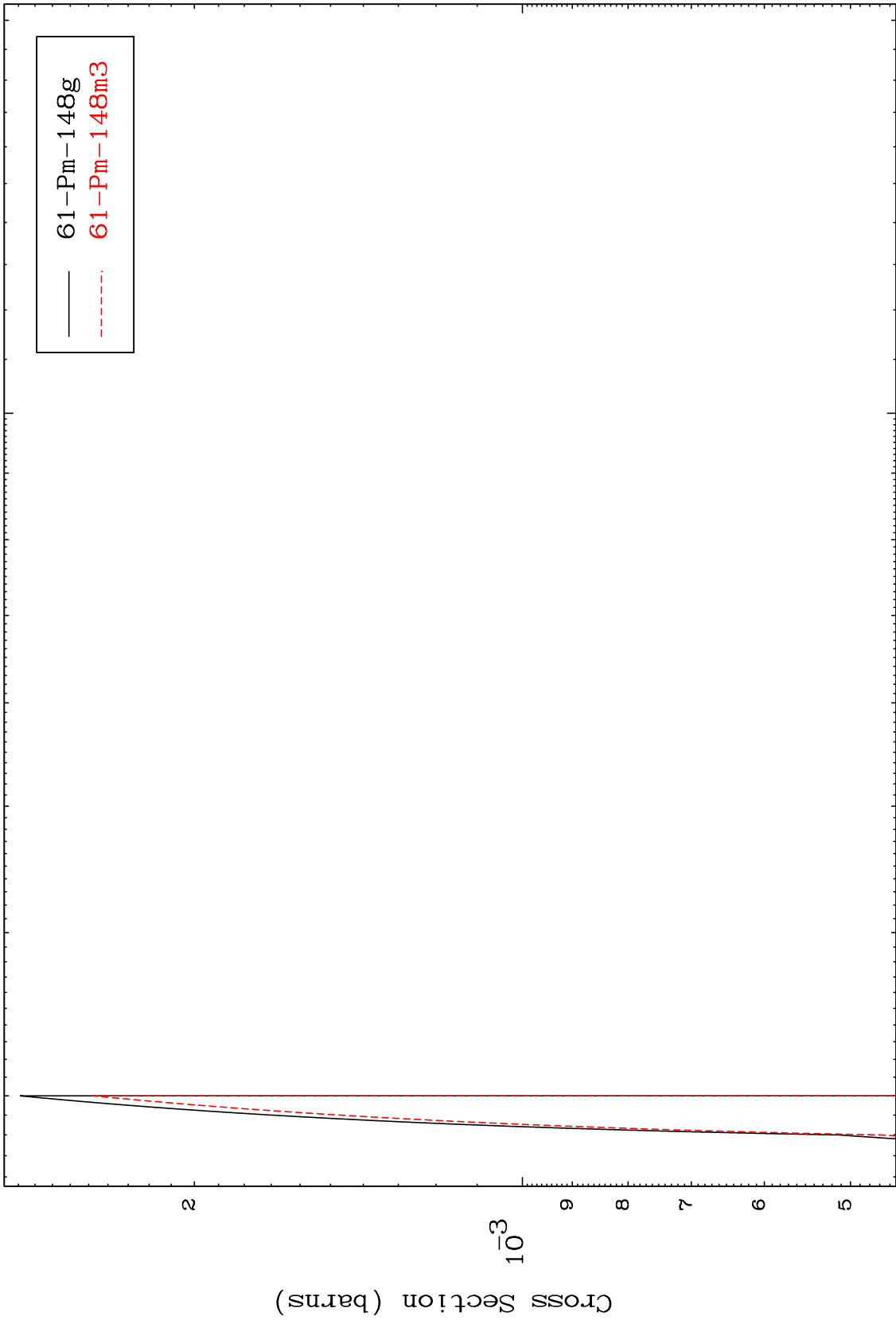
61-Pm-152

MAT 6166

( $\gamma, 4n$ )

61-Pm-152

Radionuclide Production Cross Section



61-Pm-148g  
61-Pm-148m3

10

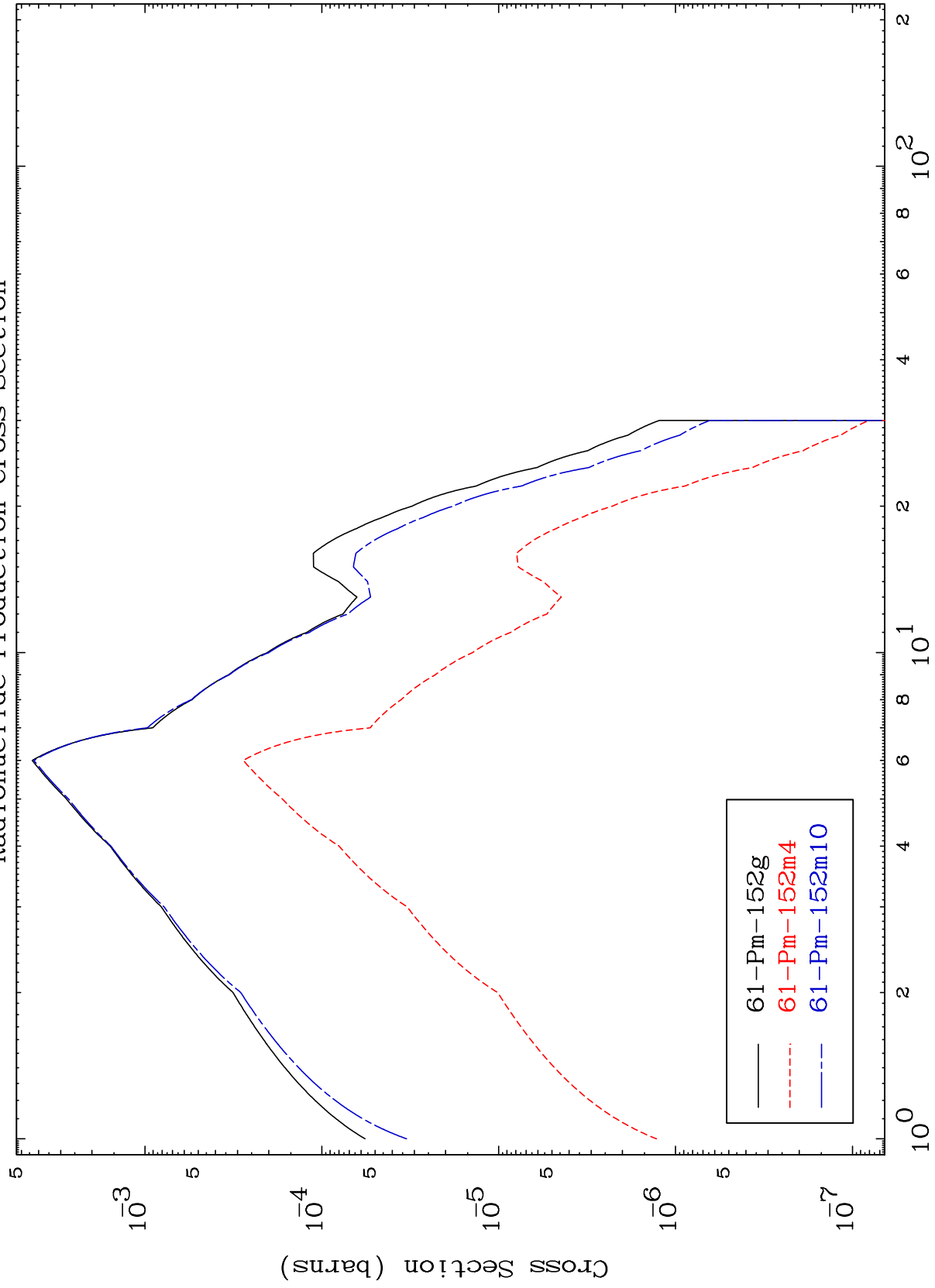
Incident Energy (MeV)

61-Pm-152

MAT 6166

61-Pm-152

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



11

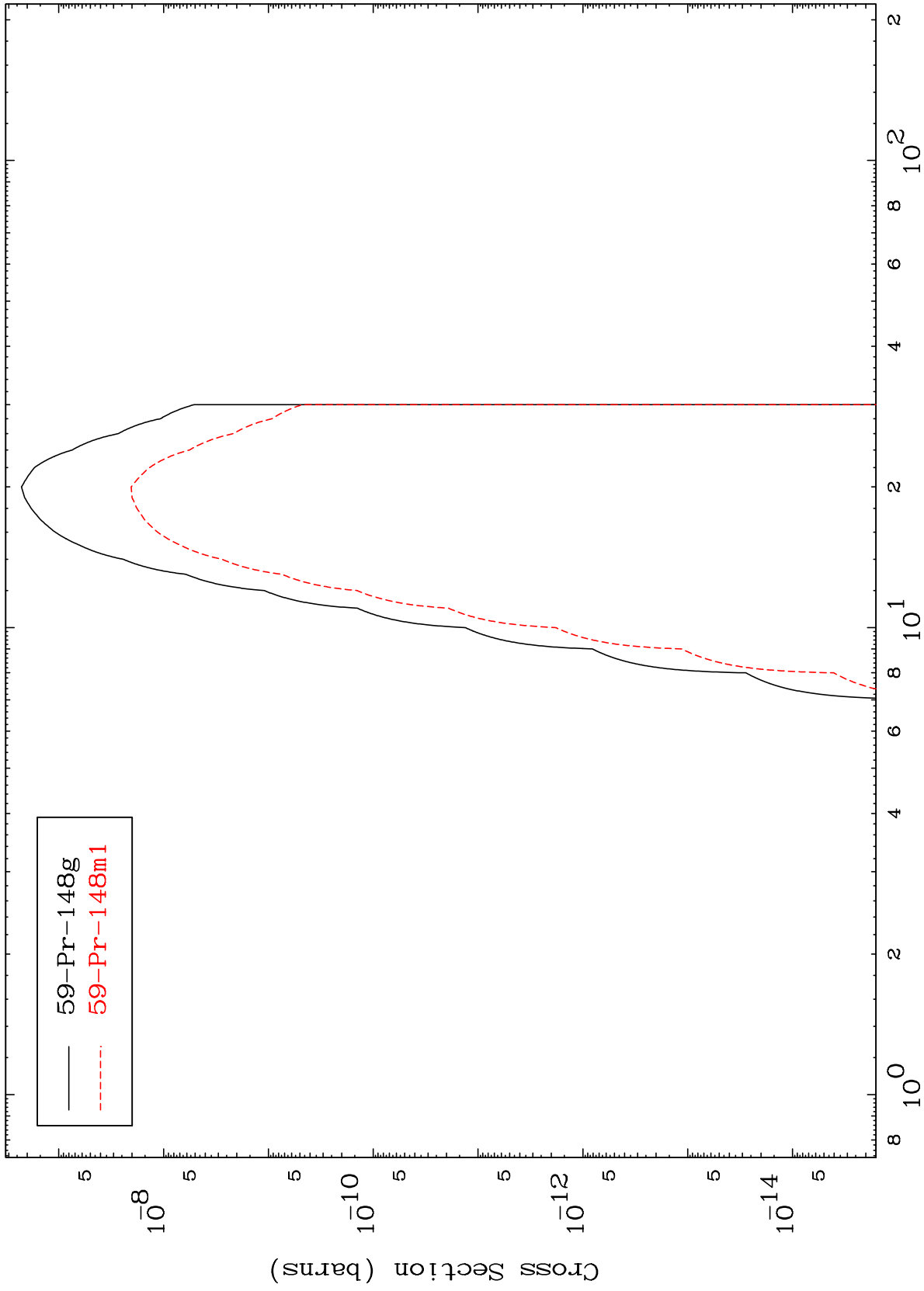
Incident Energy (MeV)

61-Pm-152

MAT 6166

61-Pm-152

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



12

Incident Energy (MeV)

61-Pm-152