

Program EVALPLOT  
(Version 2017-1)

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](mailto:redcullen1@comcast.net)

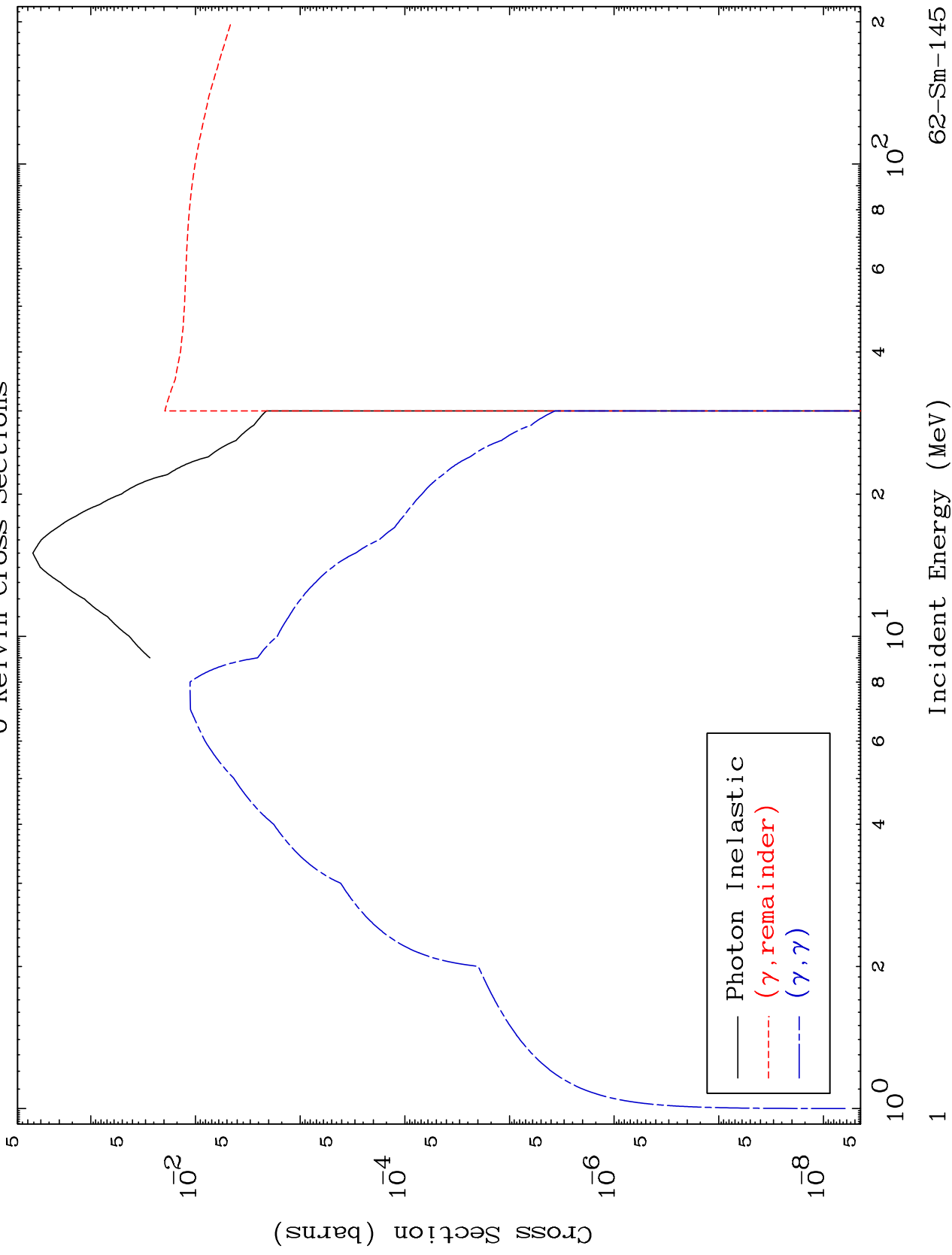
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 6228

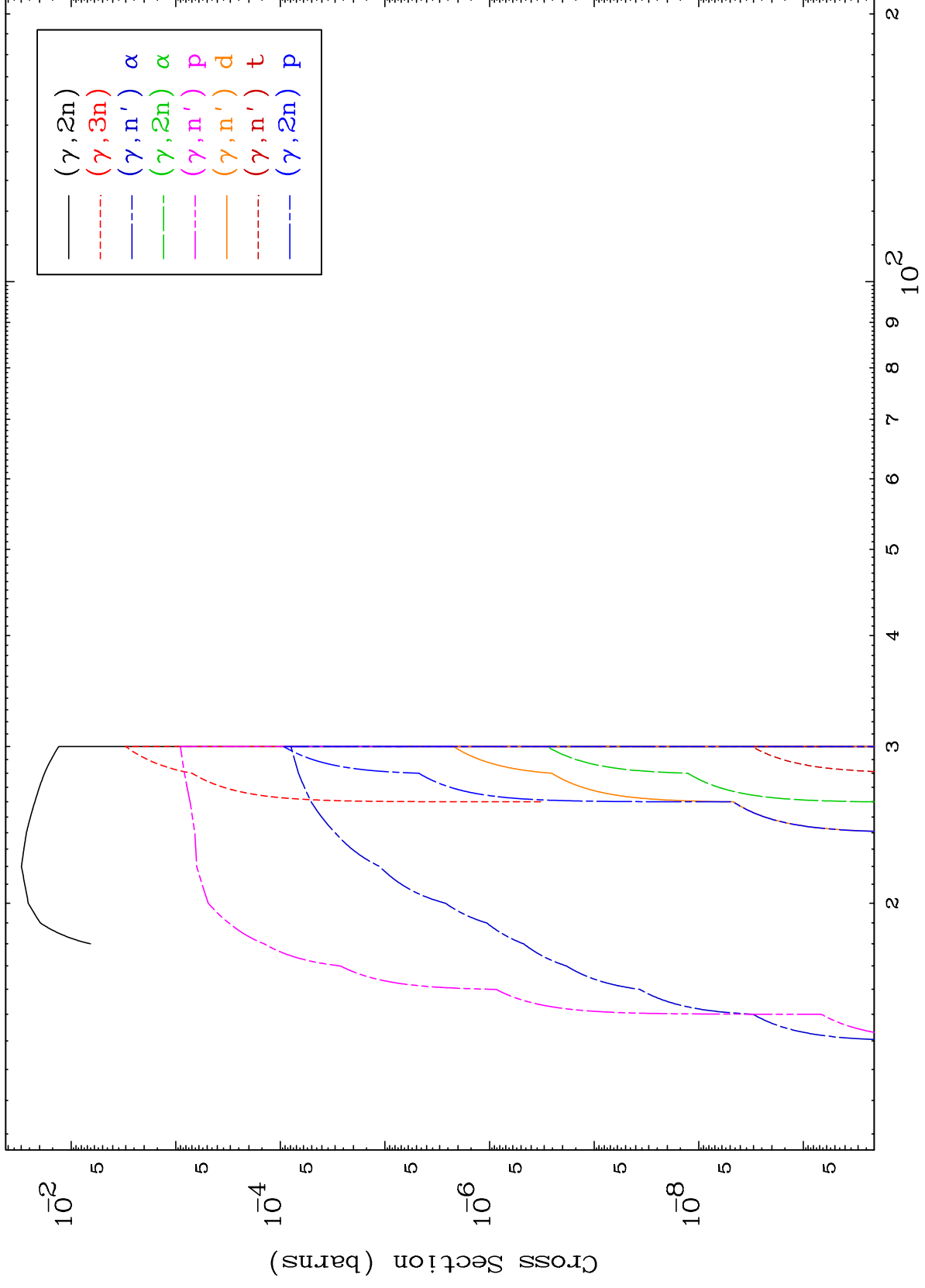
Photon Major  
0 Kelvin Cross Sections

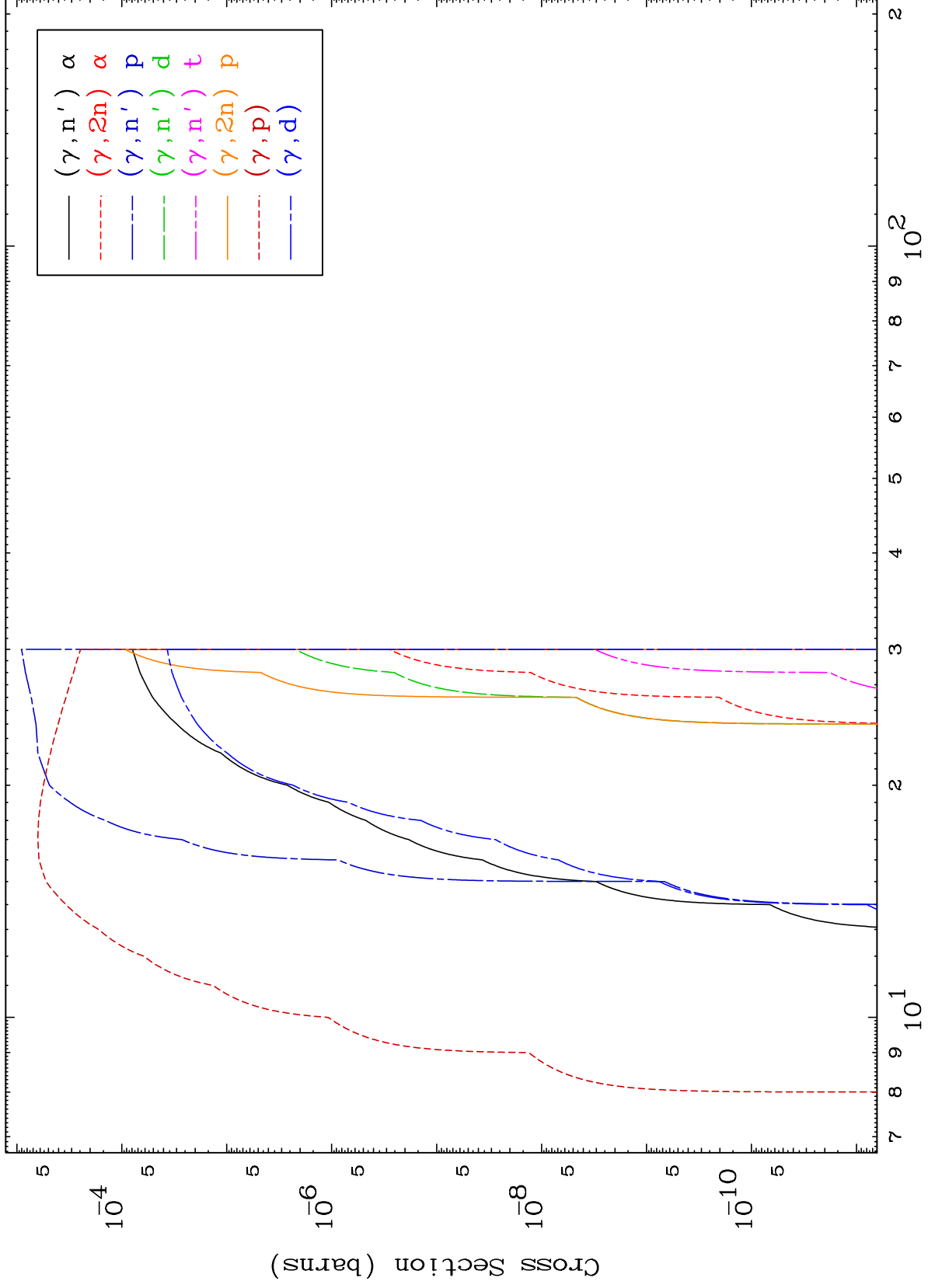
62-Sm-145



62-Sm-145

Incident Energy (MeV)

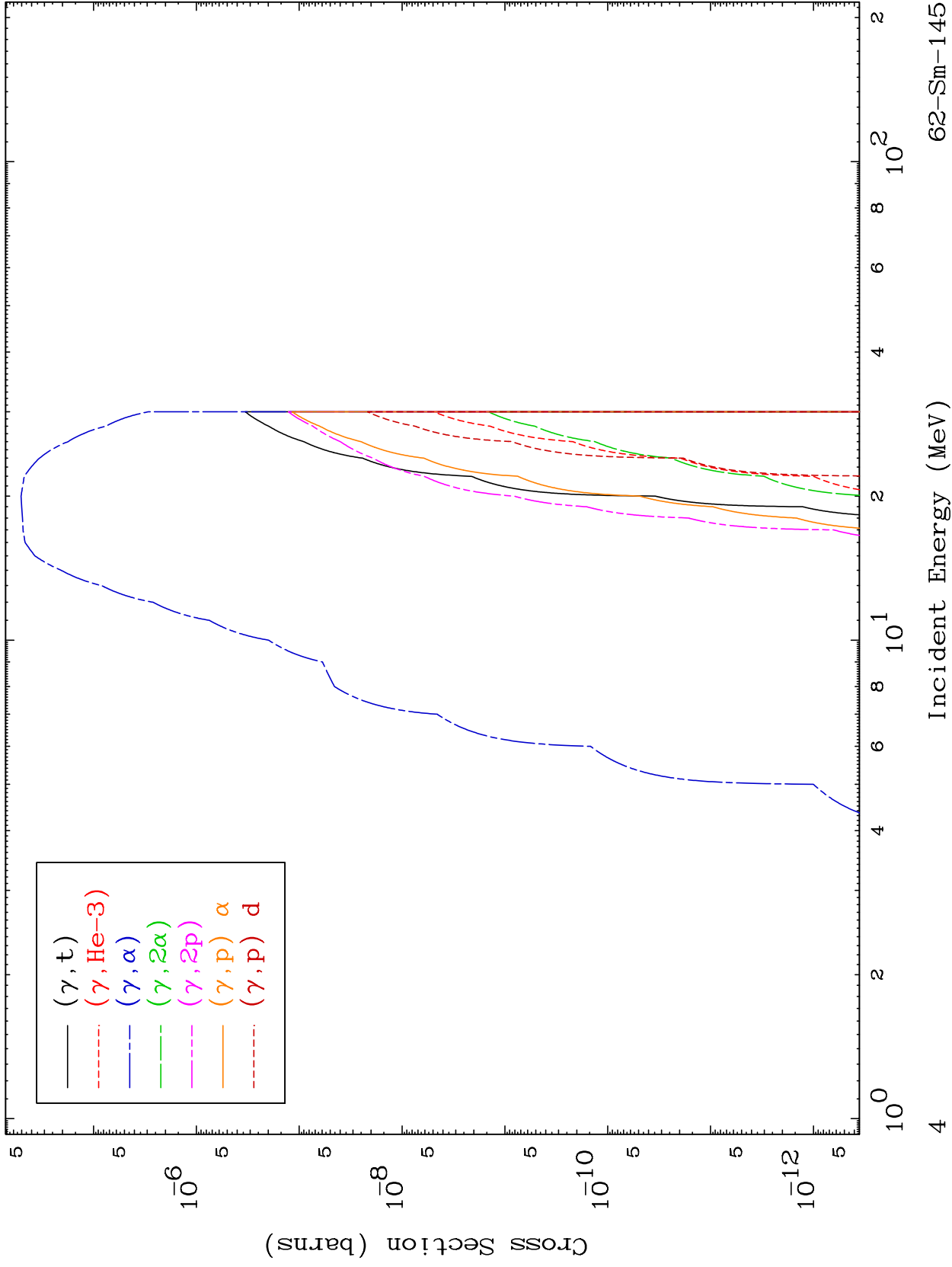




MAT 6228

Photon Charged Particle  
0 Kelvin Cross Sections

62-Sm-145



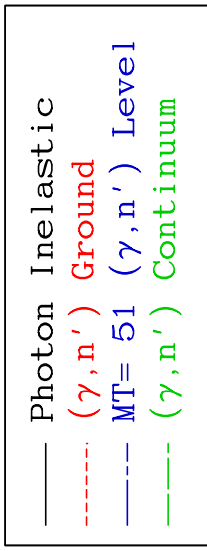
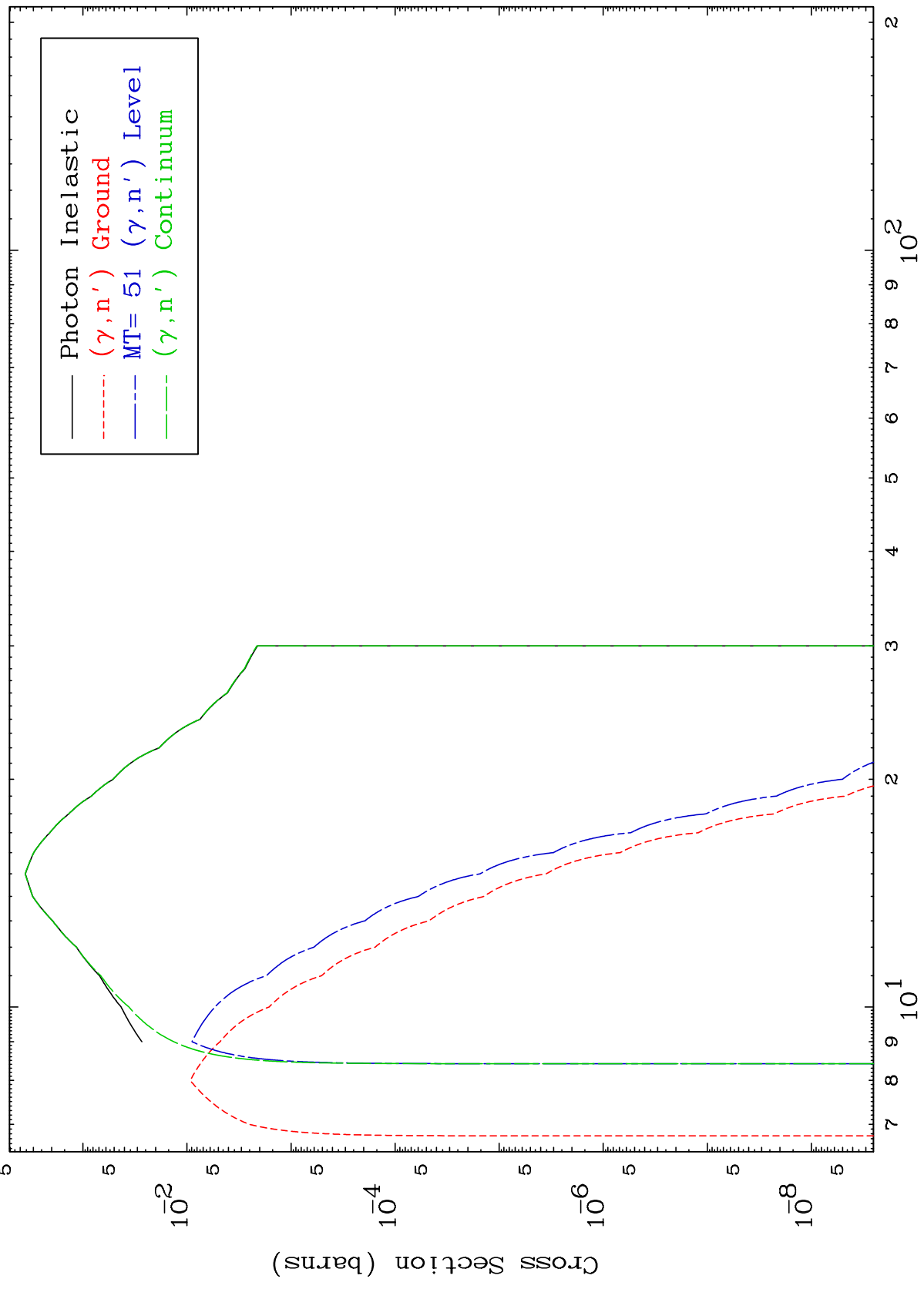
62-Sm-145

MAT 6228

$(\gamma, n')$  Level

62-Sm-145

0 Kelvin Cross Sections



5

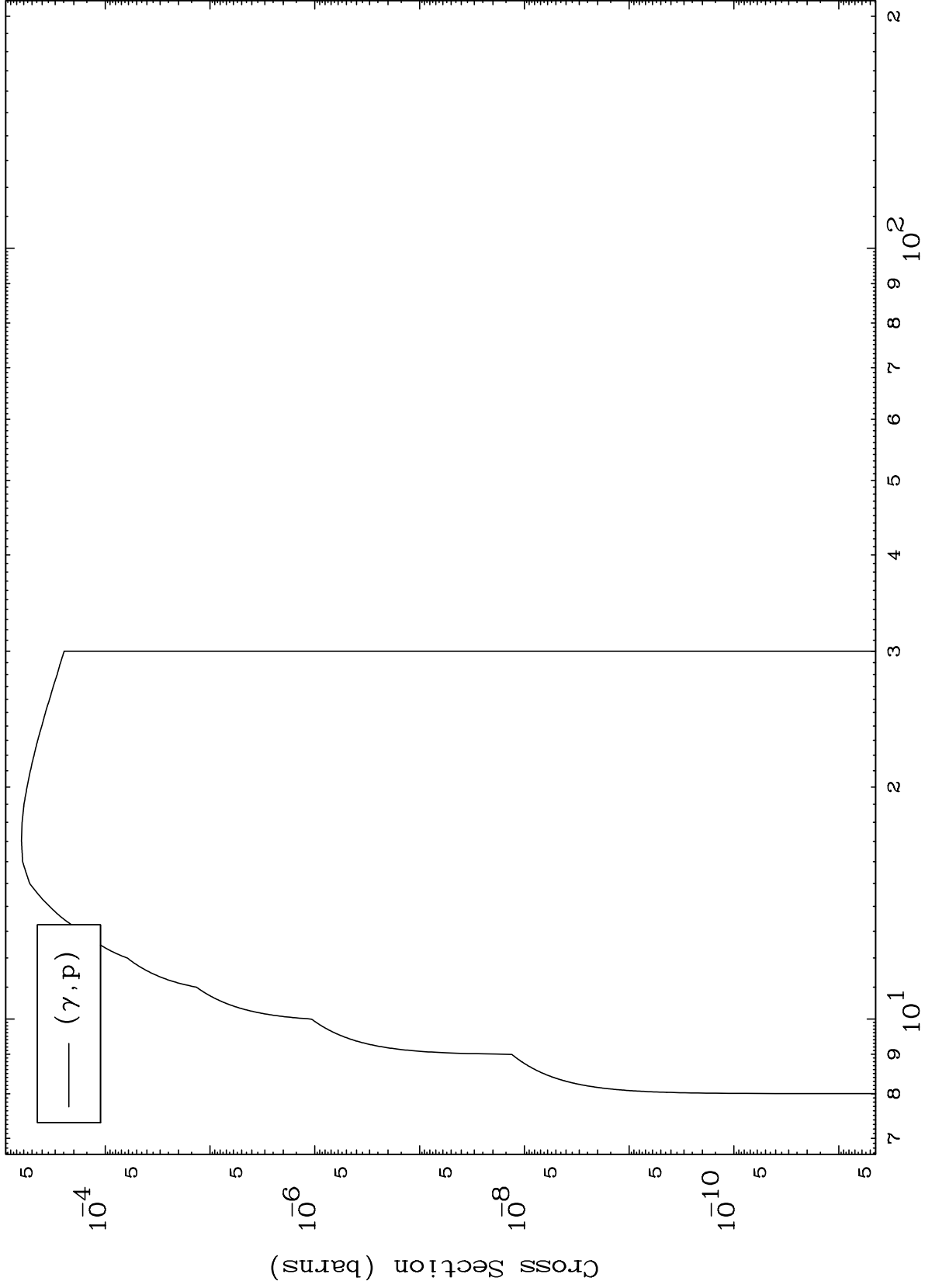
Incident Energy (MeV)

62-Sm-145

MAT 6228

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

62-Sm-145



6

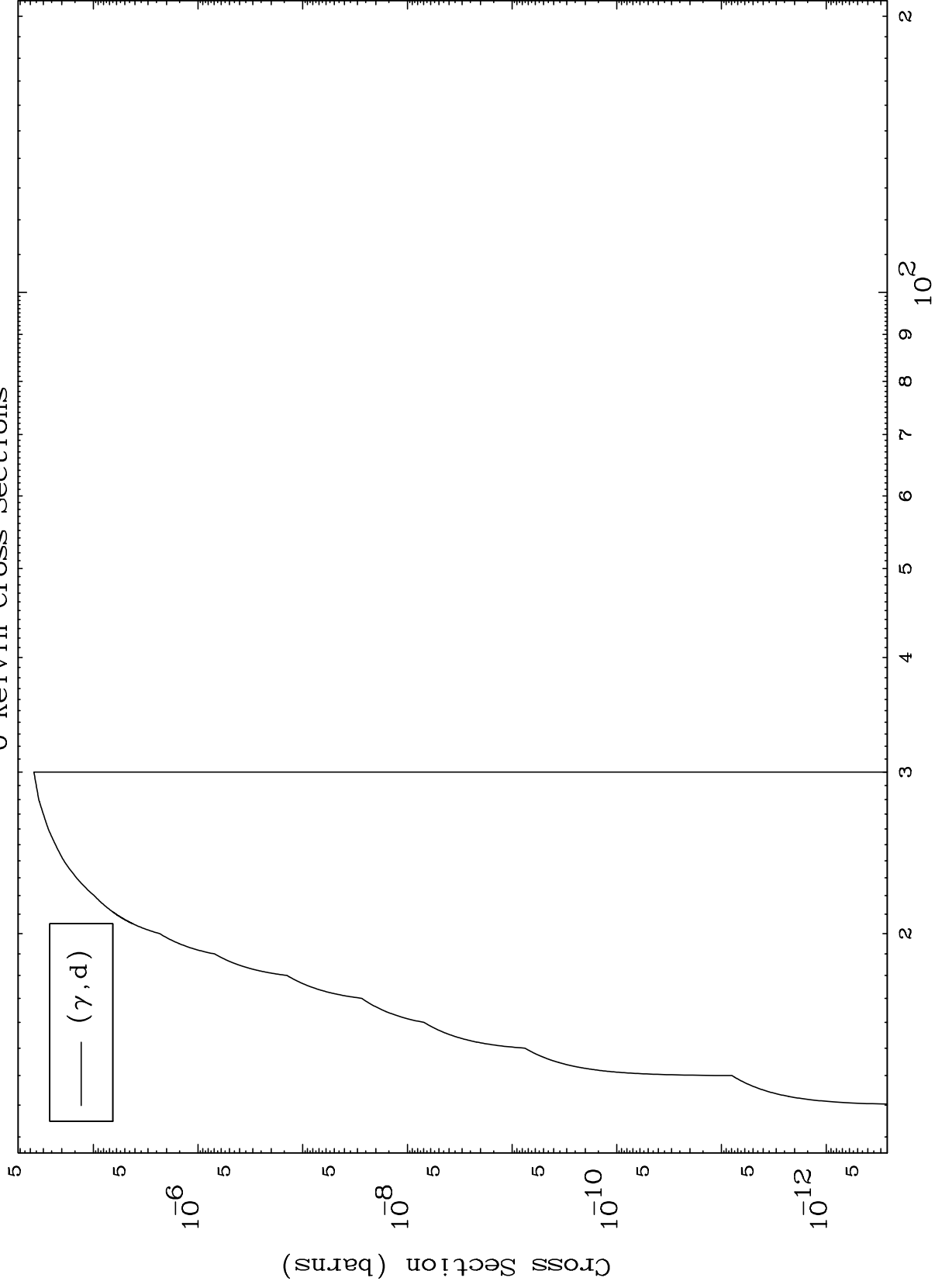
Incident Energy (MeV)

62-Sm-145

MAT 6228

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

62-Sm-145



7

Incident Energy (MeV)

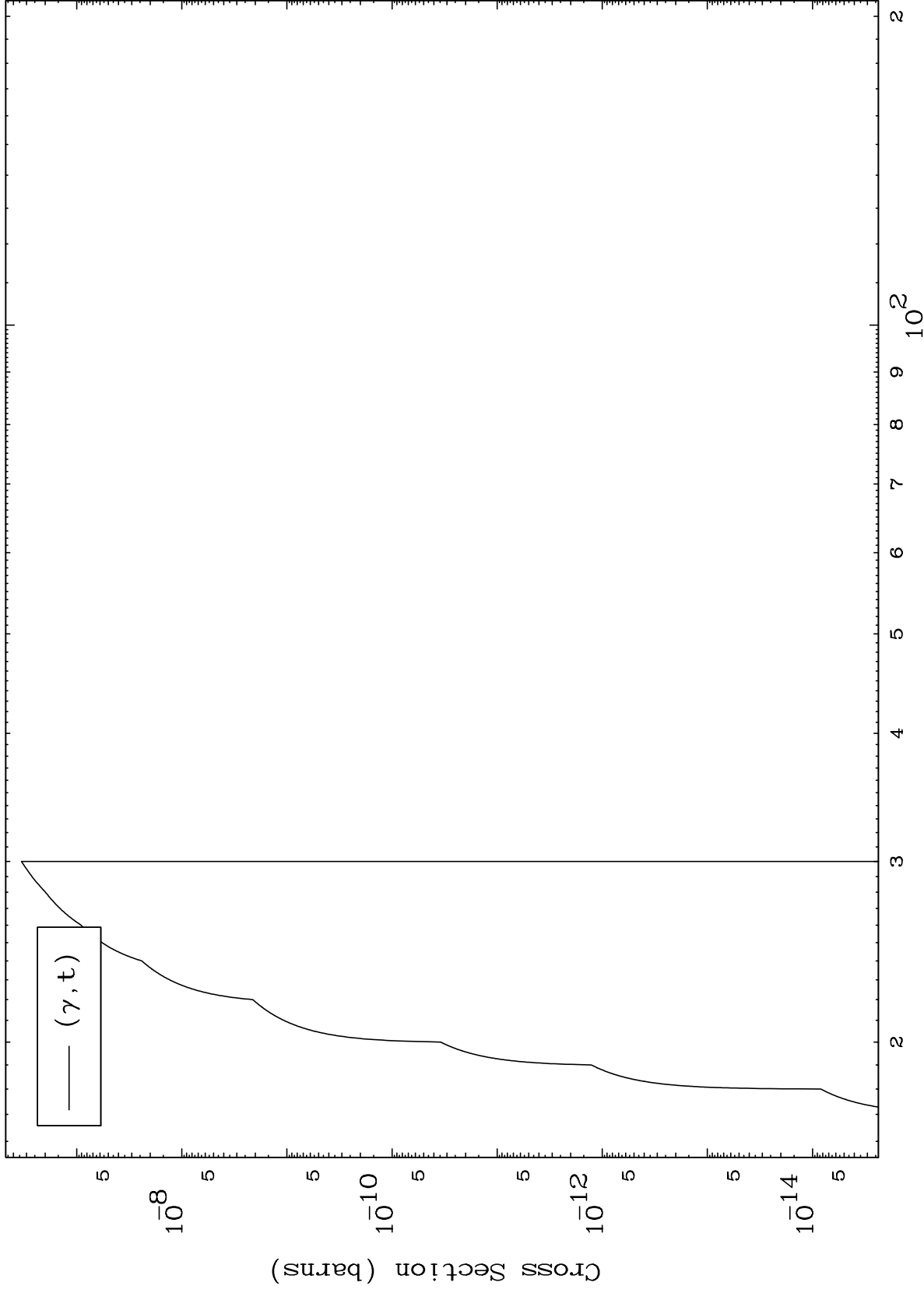
62-Sm-145



MAT 6228

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

62-Sm-145



8

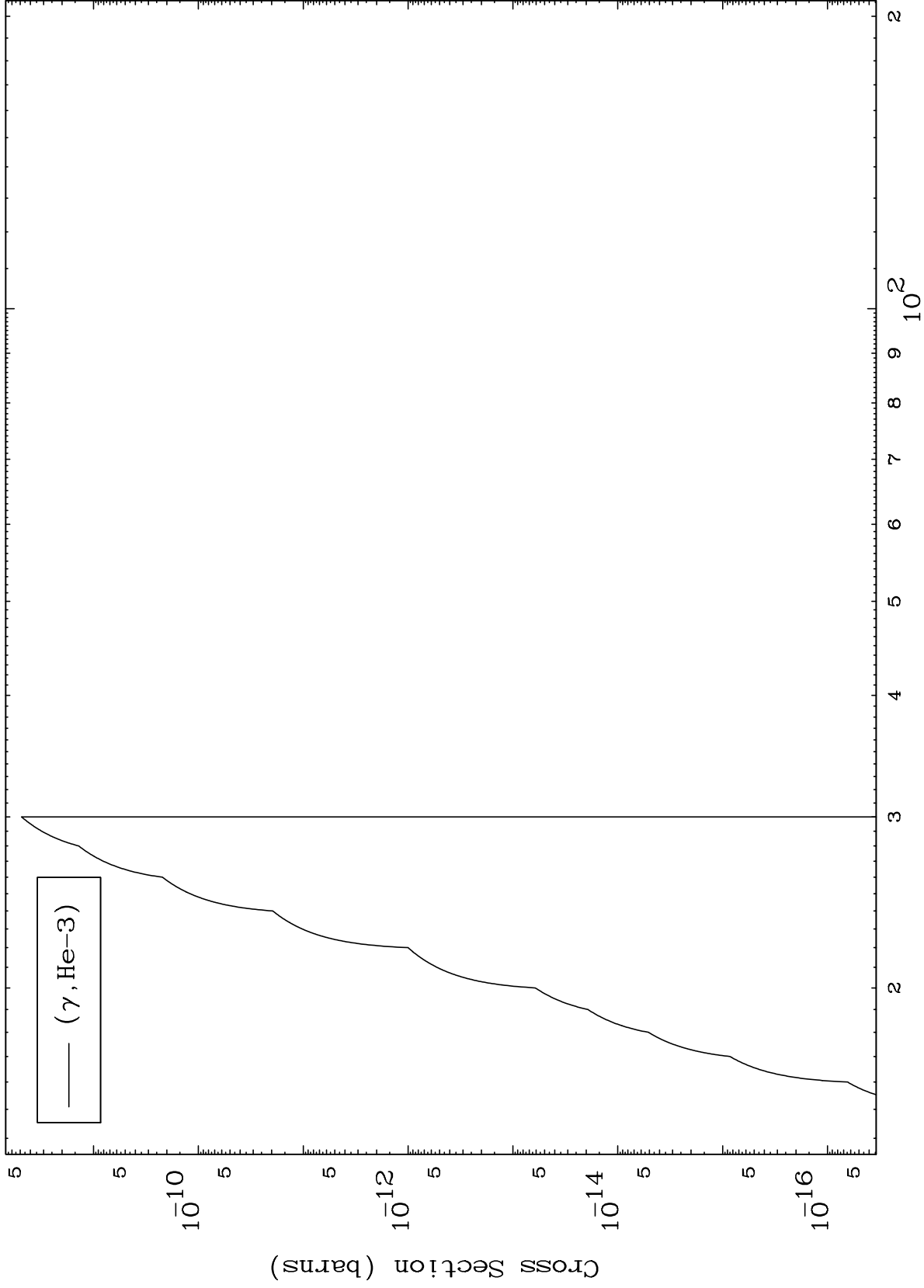
Incident Energy (MeV)

62-Sm-145

MAT 6228

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

62-Sm-145



9

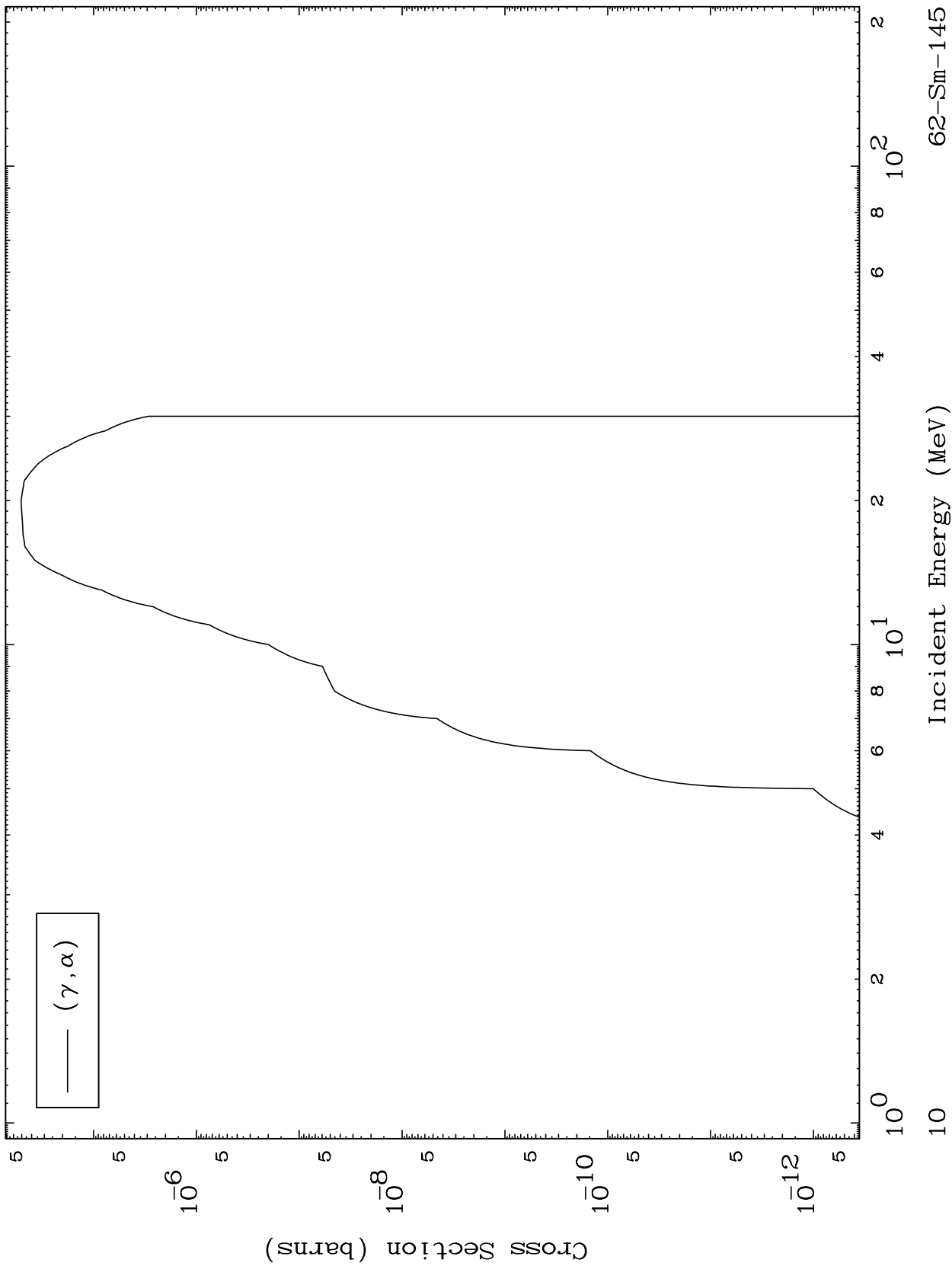
Incident Energy (MeV)

62-Sm-145

MAT 6228

62-Sm-145

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



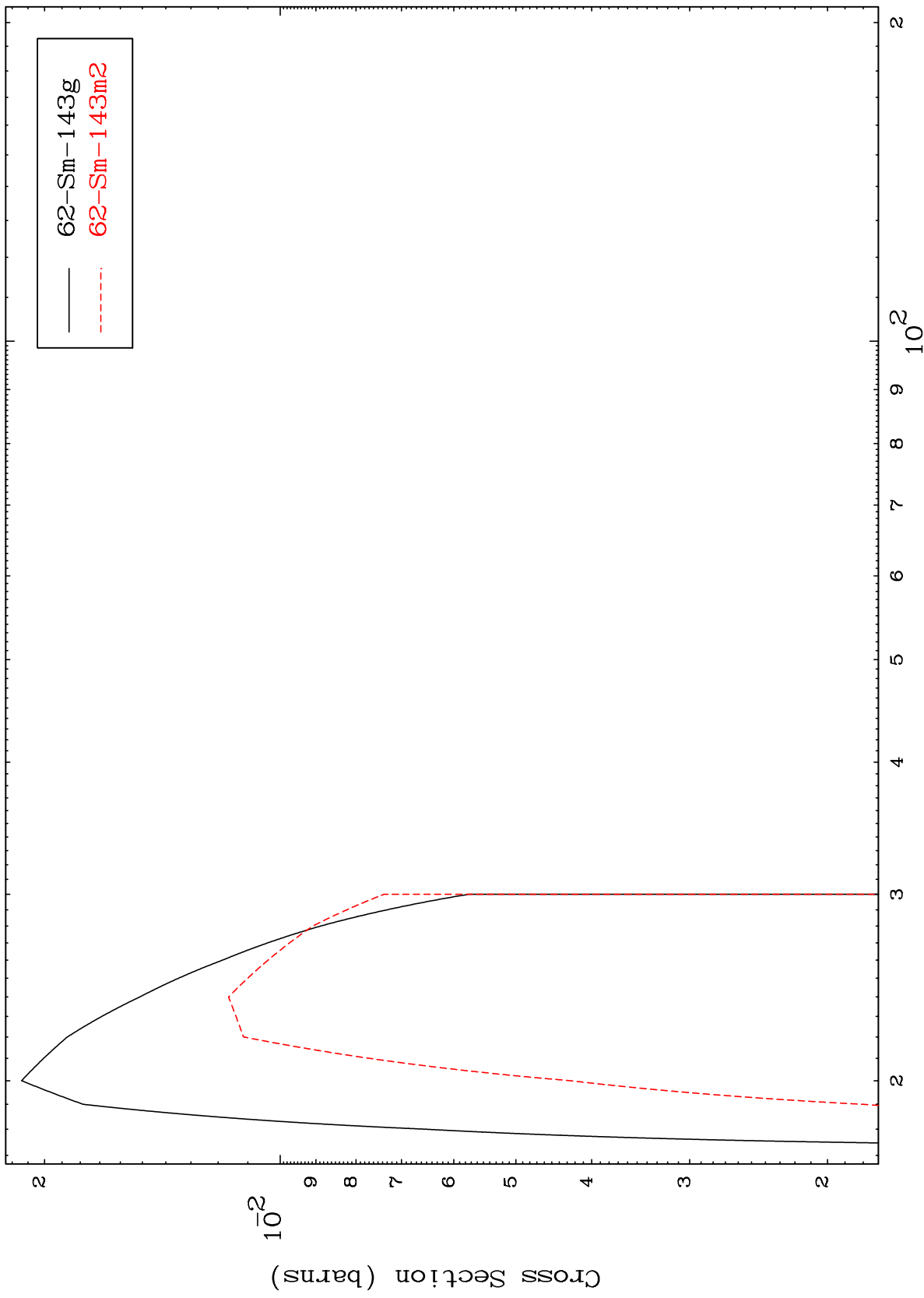
62-Sm-145

Incident Energy (MeV)

MAT 6228

62-Sm-145

( $\gamma, 2n$ )  
Radionuclide Production Cross Section



11

62-Sm-145

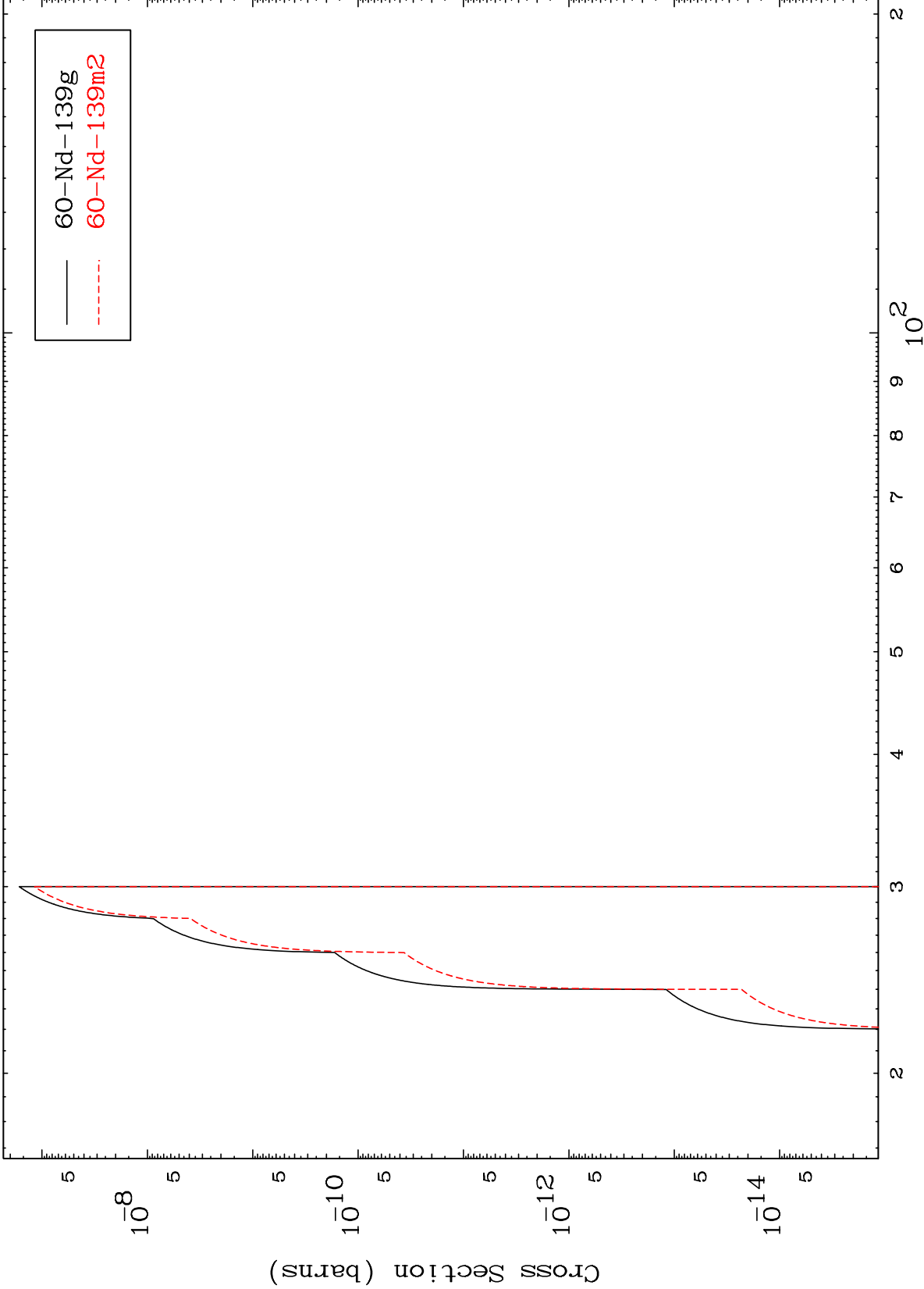
Incident Energy (MeV)

MAT 6228

$(\gamma, 2n) \alpha$

62-Sm-145

Radionuclide Production Cross Section



60-Nd-139g  
60-Nd-139m2

12

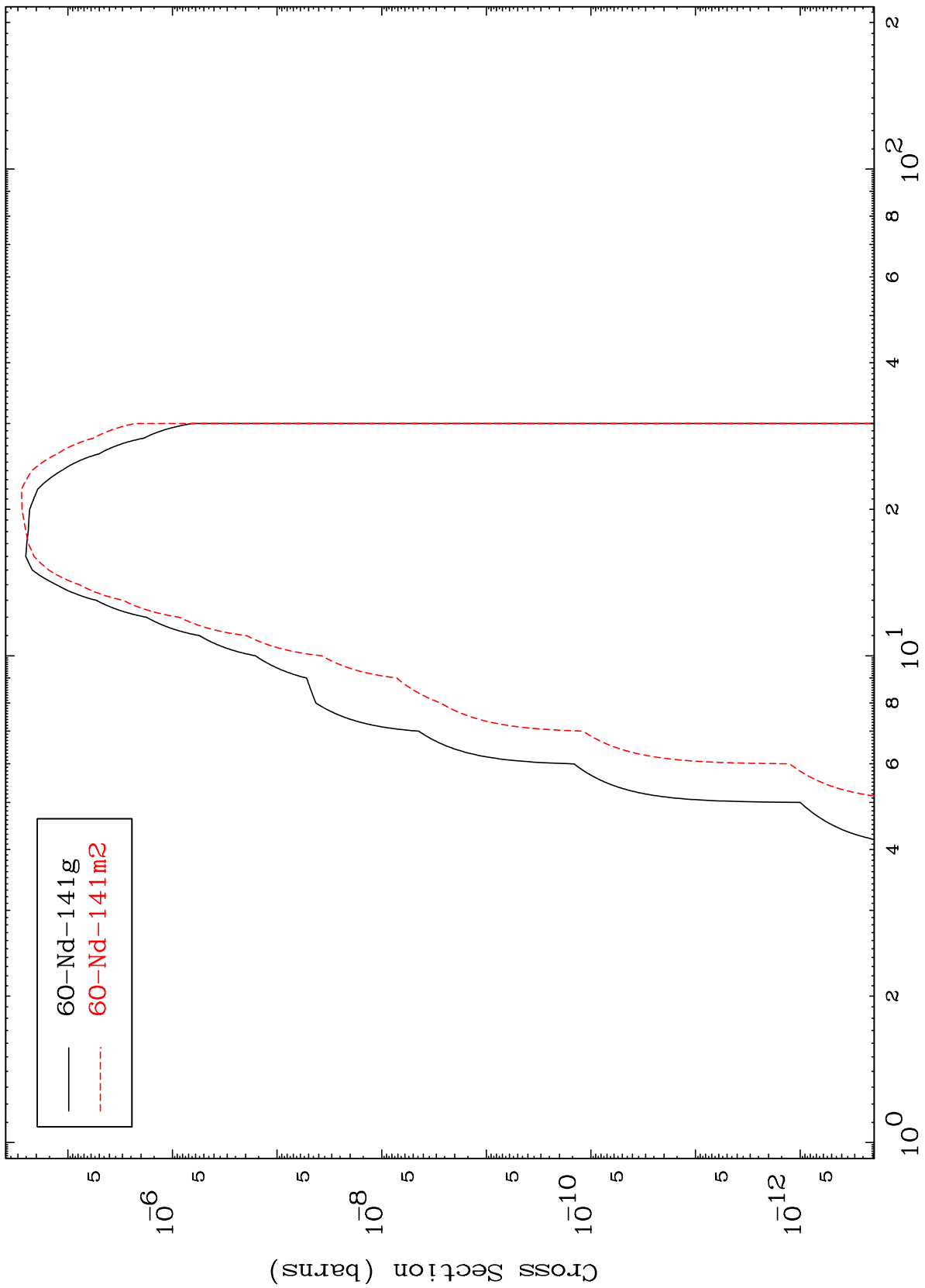
Incident Energy (MeV)

62-Sm-145

MAT 6228

62-Sm-145

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



60-Nd-141g  
60-Nd-141m2

62-Sm-145

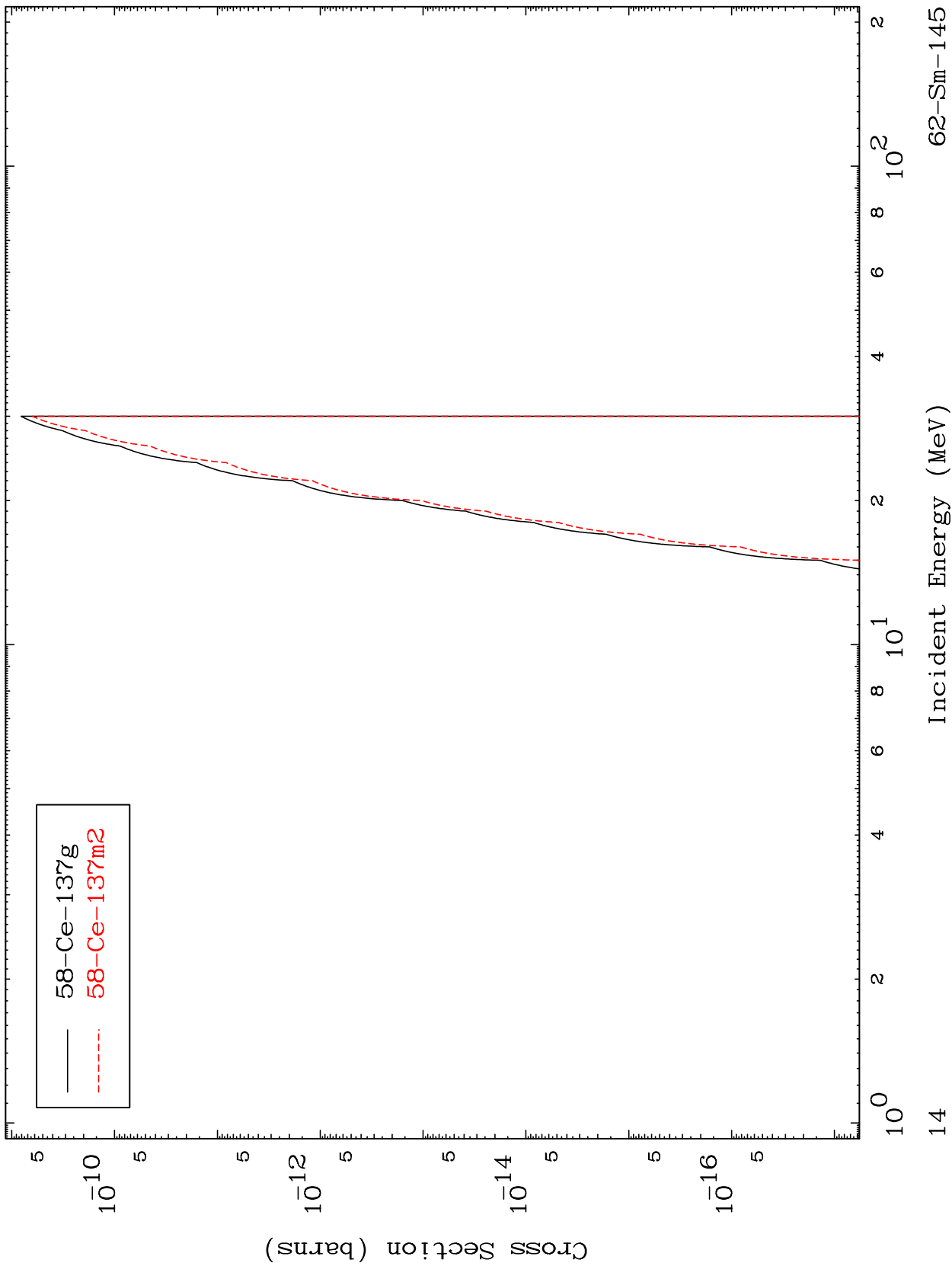
Incident Energy (MeV)

13

MAT 6228

62-Sm-145

Radionuclide Production Cross Section  
( $\gamma, 2\alpha$ )



62-Sm-145

Incident Energy (MeV)

14