

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](mailto:redcullen1@comcast.net)

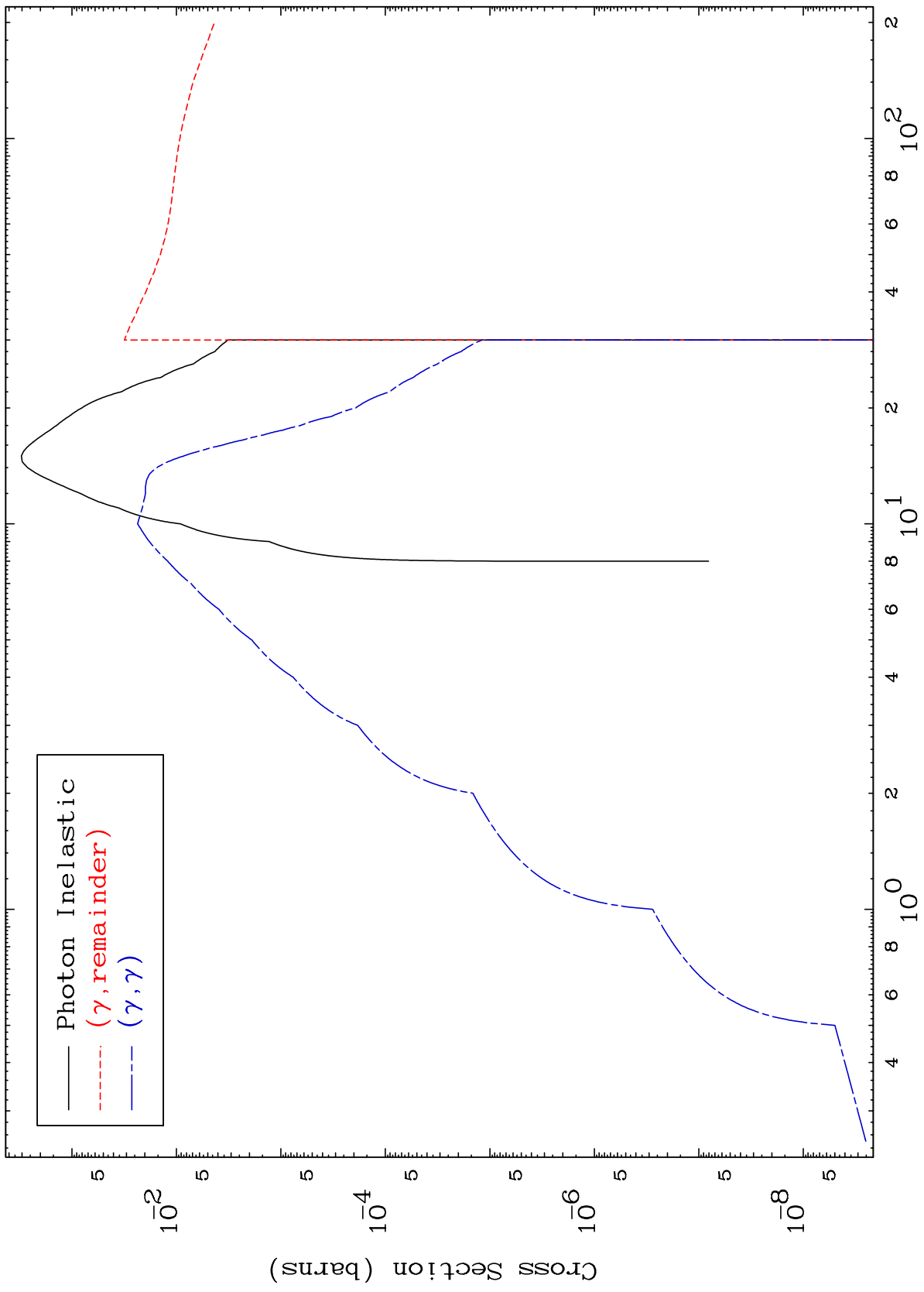
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 6223

Photon Major  
0 Kelvin Cross Sections

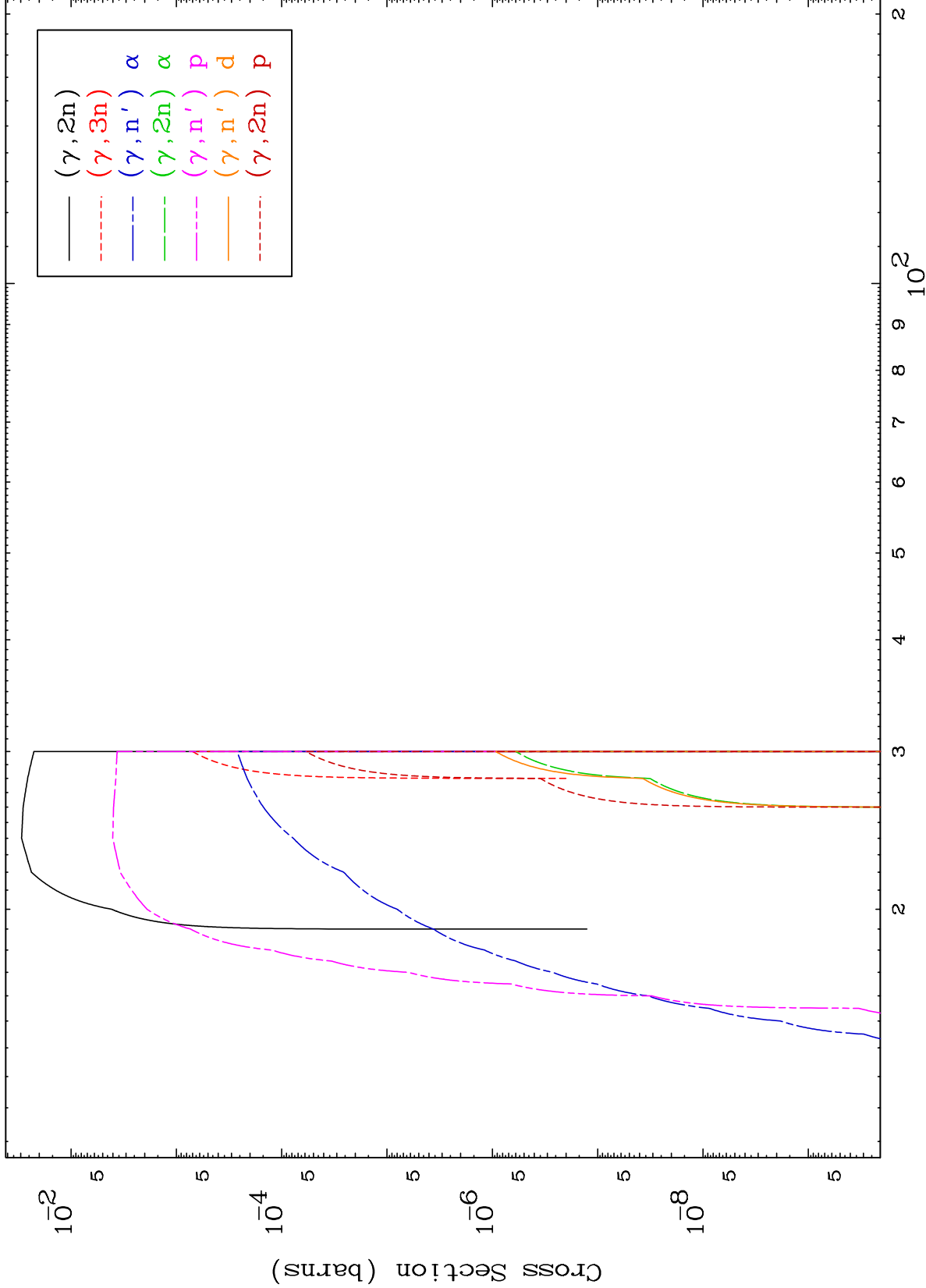
62-Sm-143

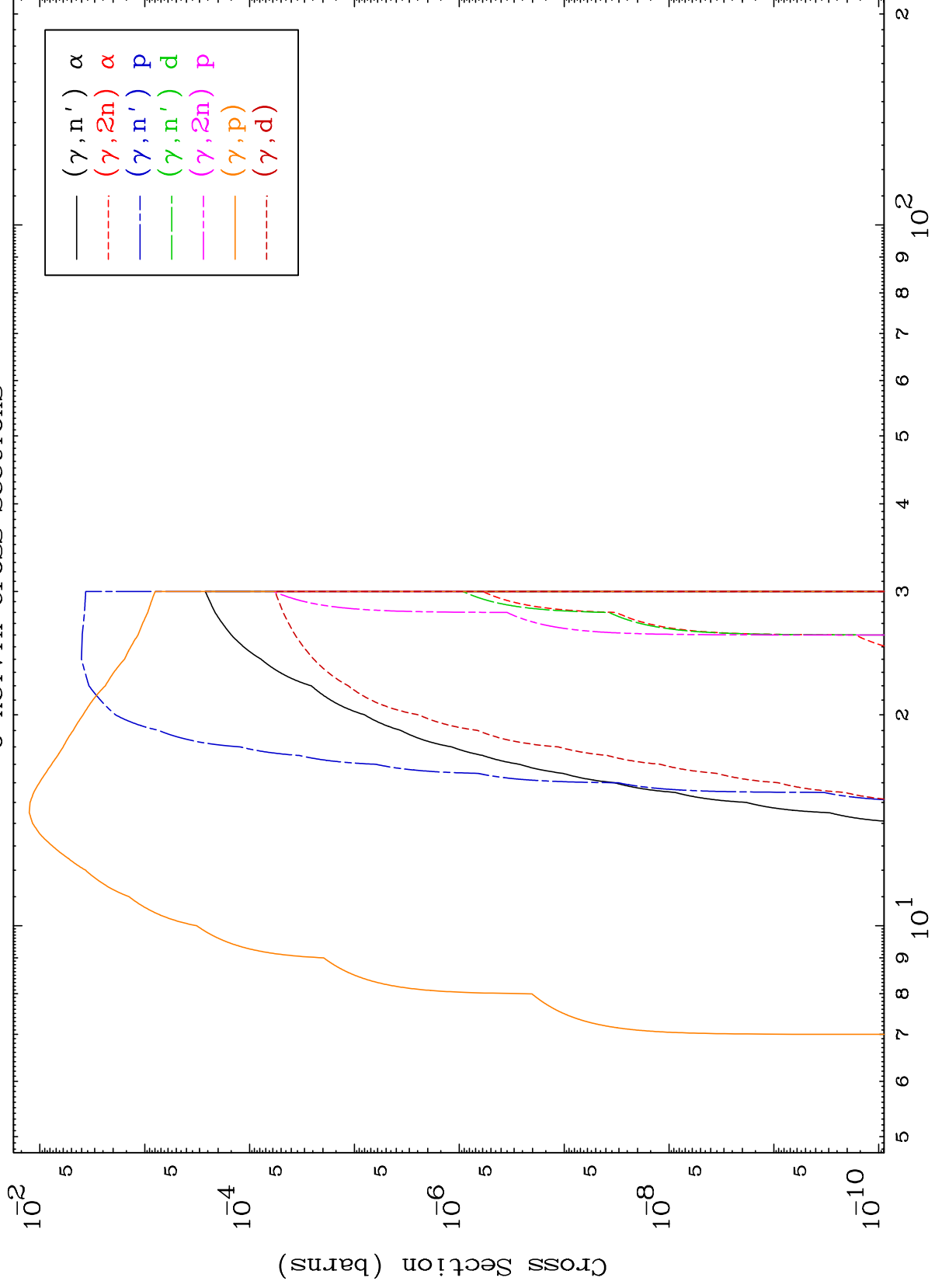


1

Incident Energy (MeV)

62-Sm-143

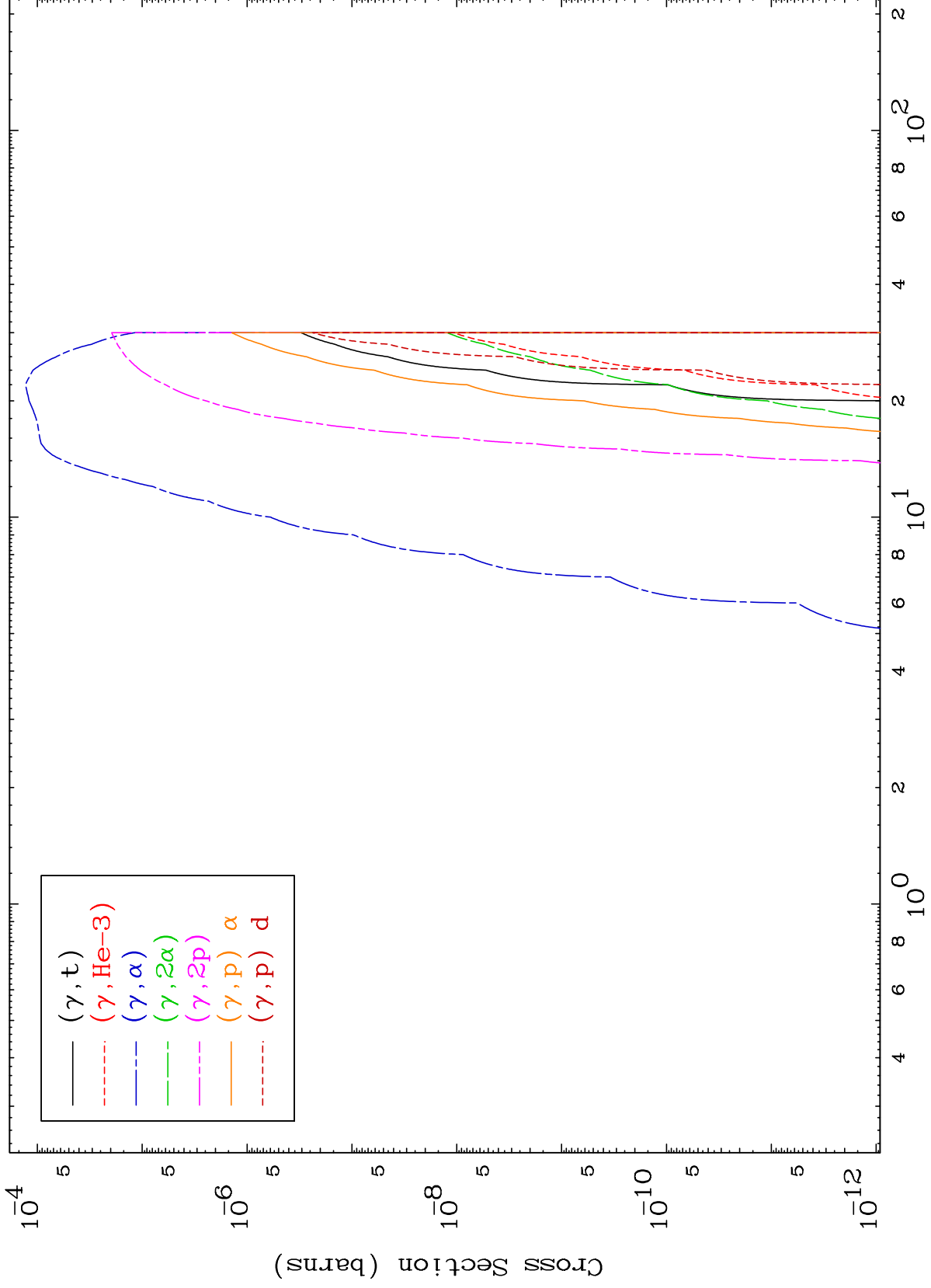




MAT 6223

Photon Charged Particle  
0 Kelvin Cross Sections

62-Sm-143

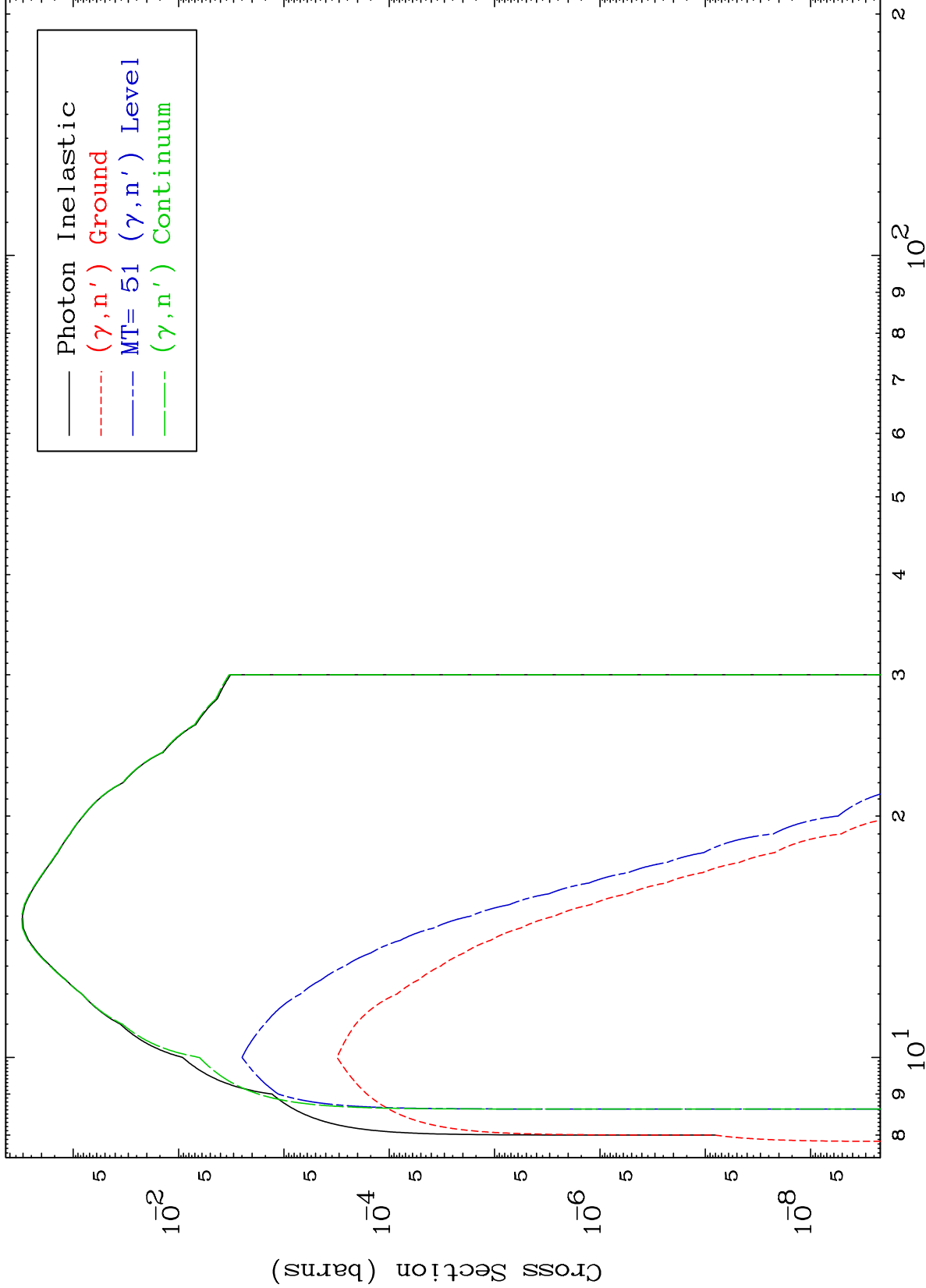


MAT 6223

$(\gamma, n')$  Level

62-Sm-143

0 Kelvin Cross Sections



Incident Energy (MeV)

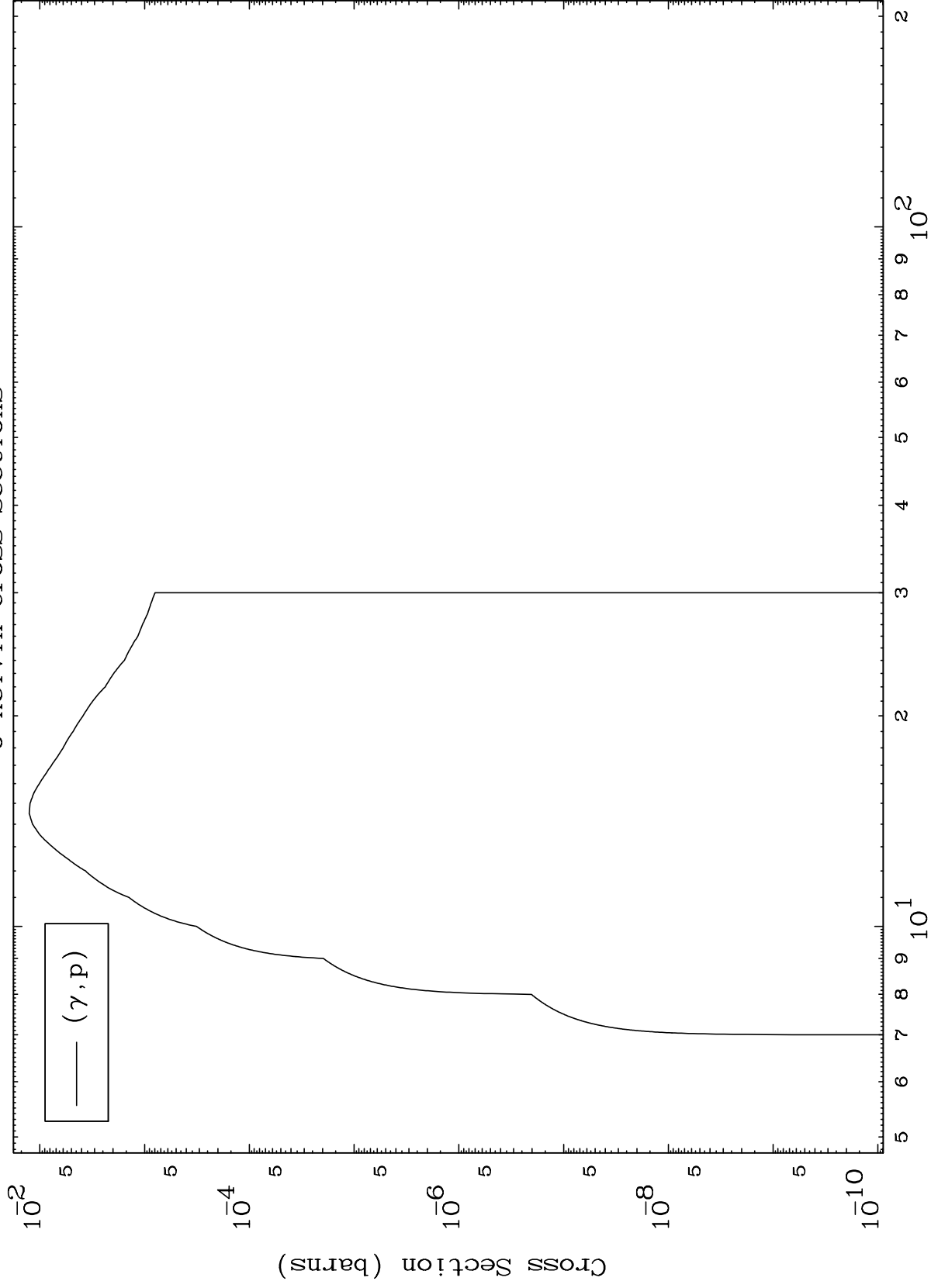
62-Sm-143

5

MAT 6223

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

62-Sm-143

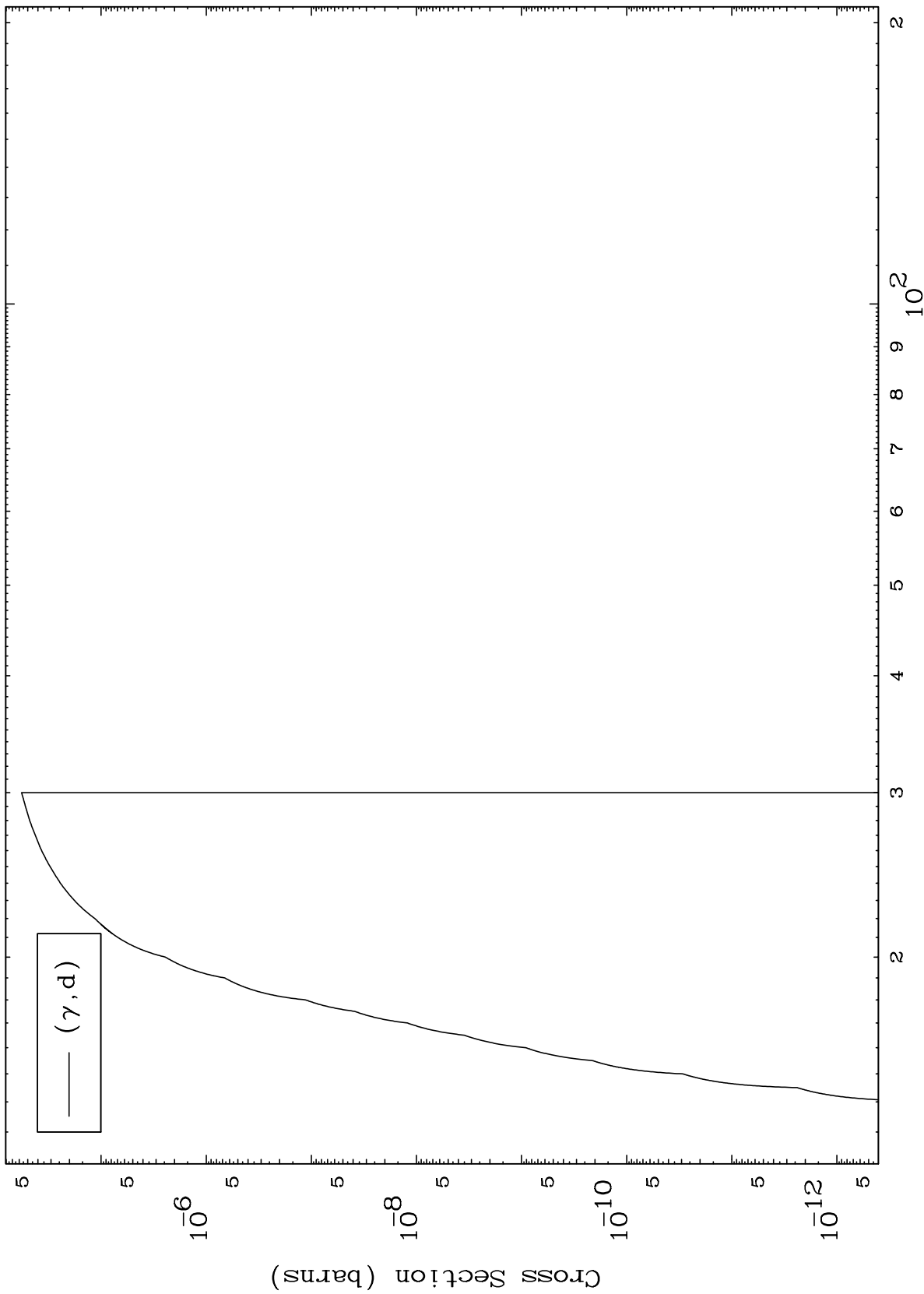


6

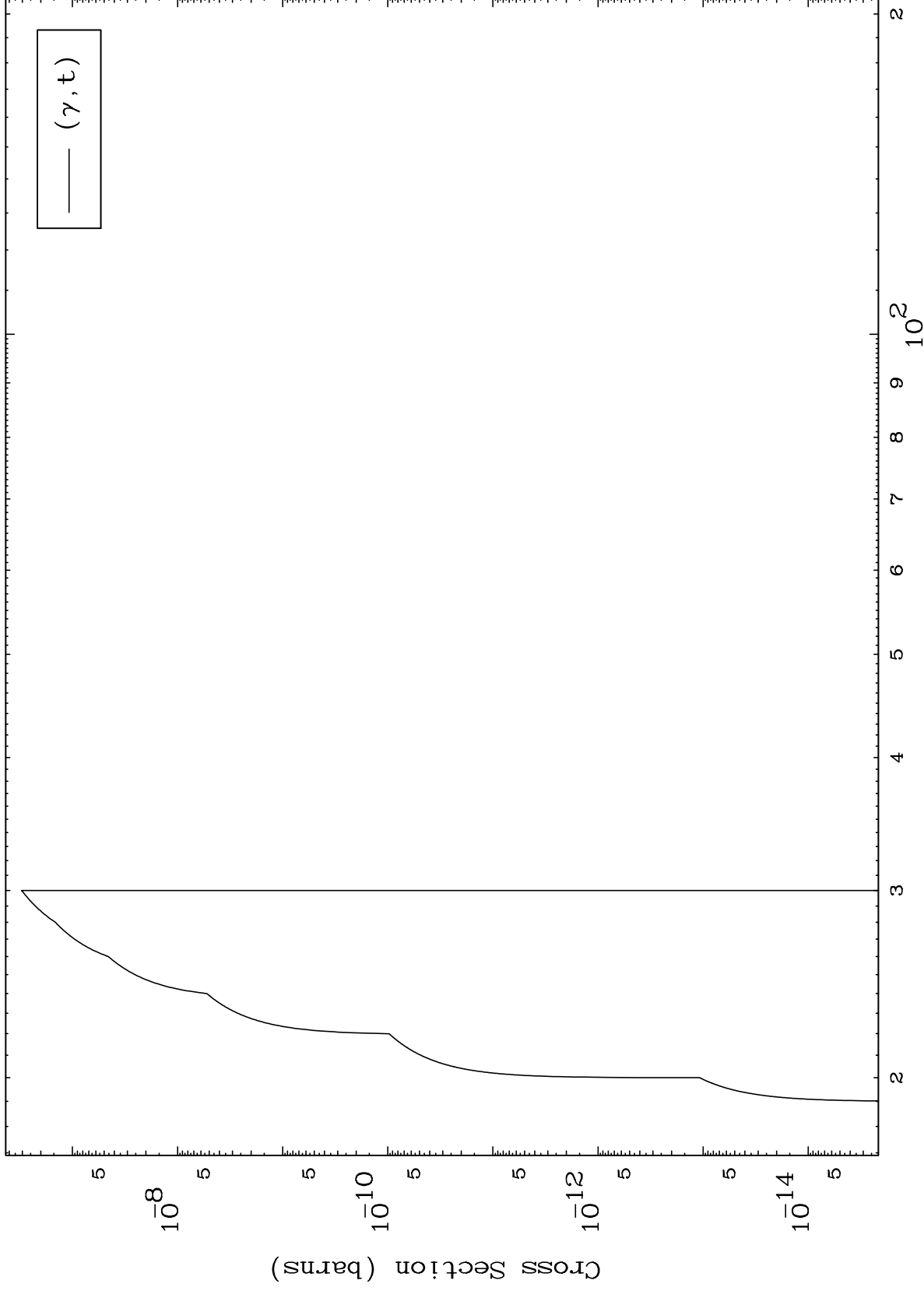
Incident Energy (MeV)

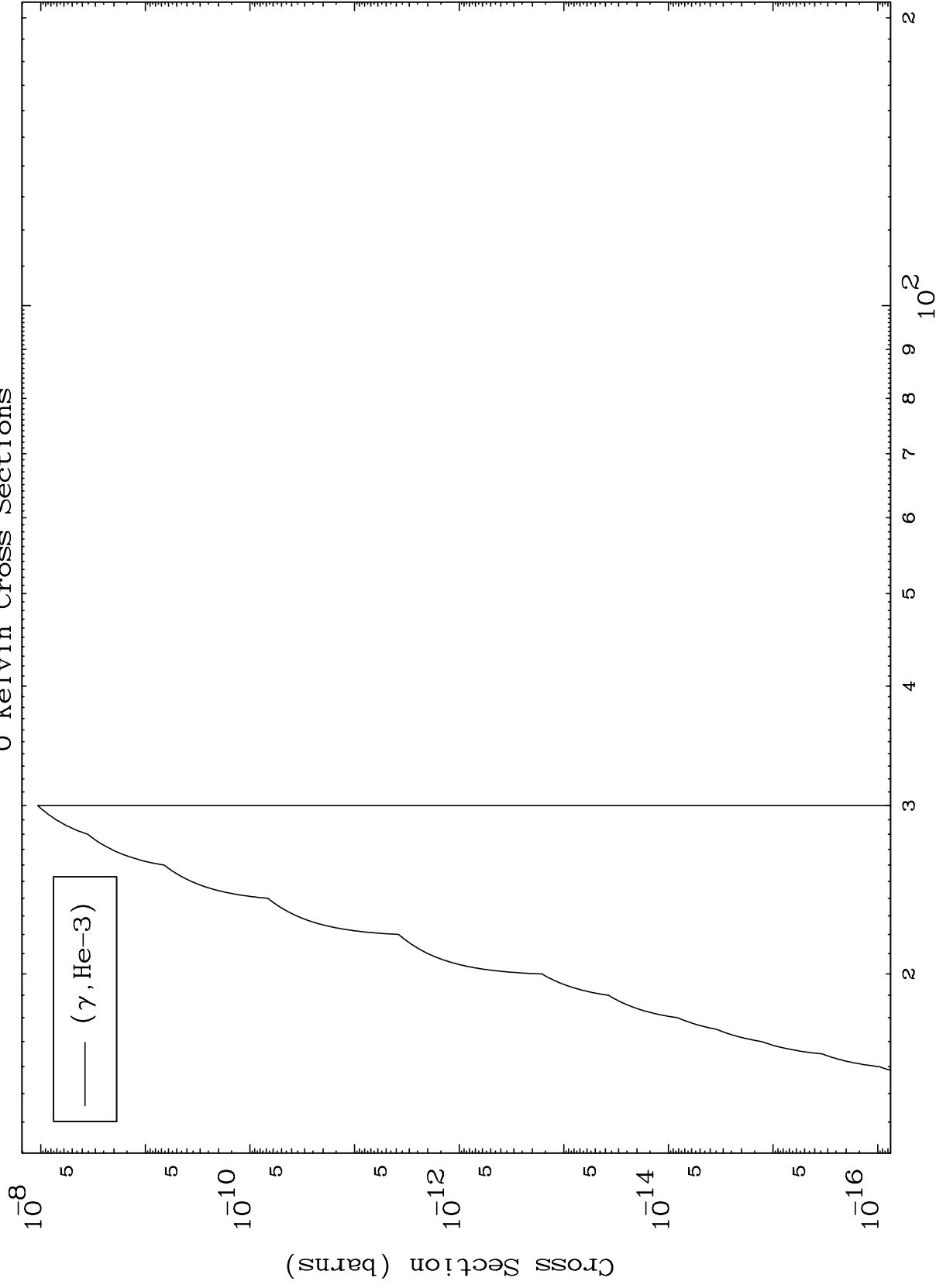
62-Sm-143

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







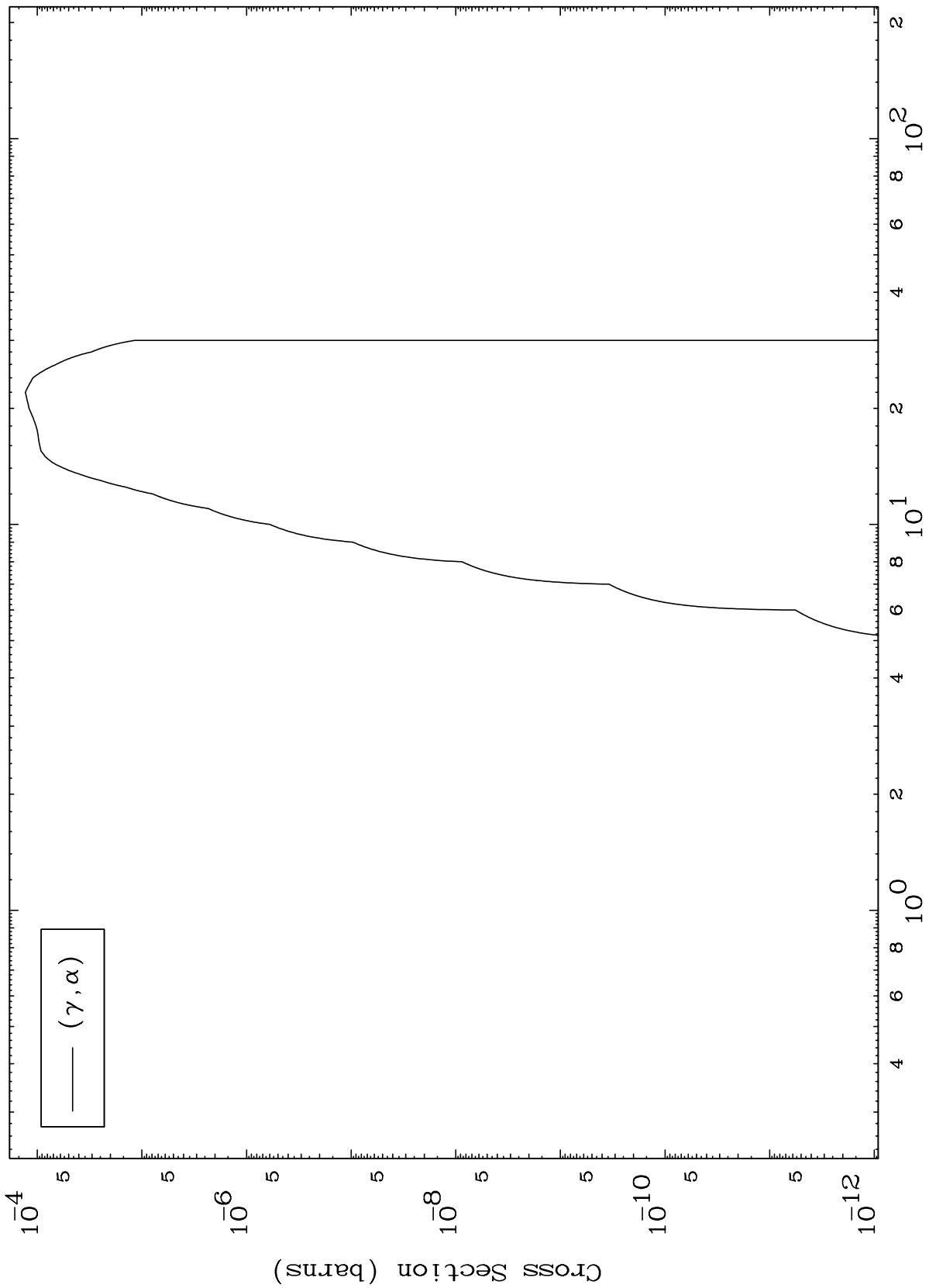


MAT 6223

( $\gamma, \alpha$ ) Levels

62-Sm-143

0 Kelvin Cross Sections



10

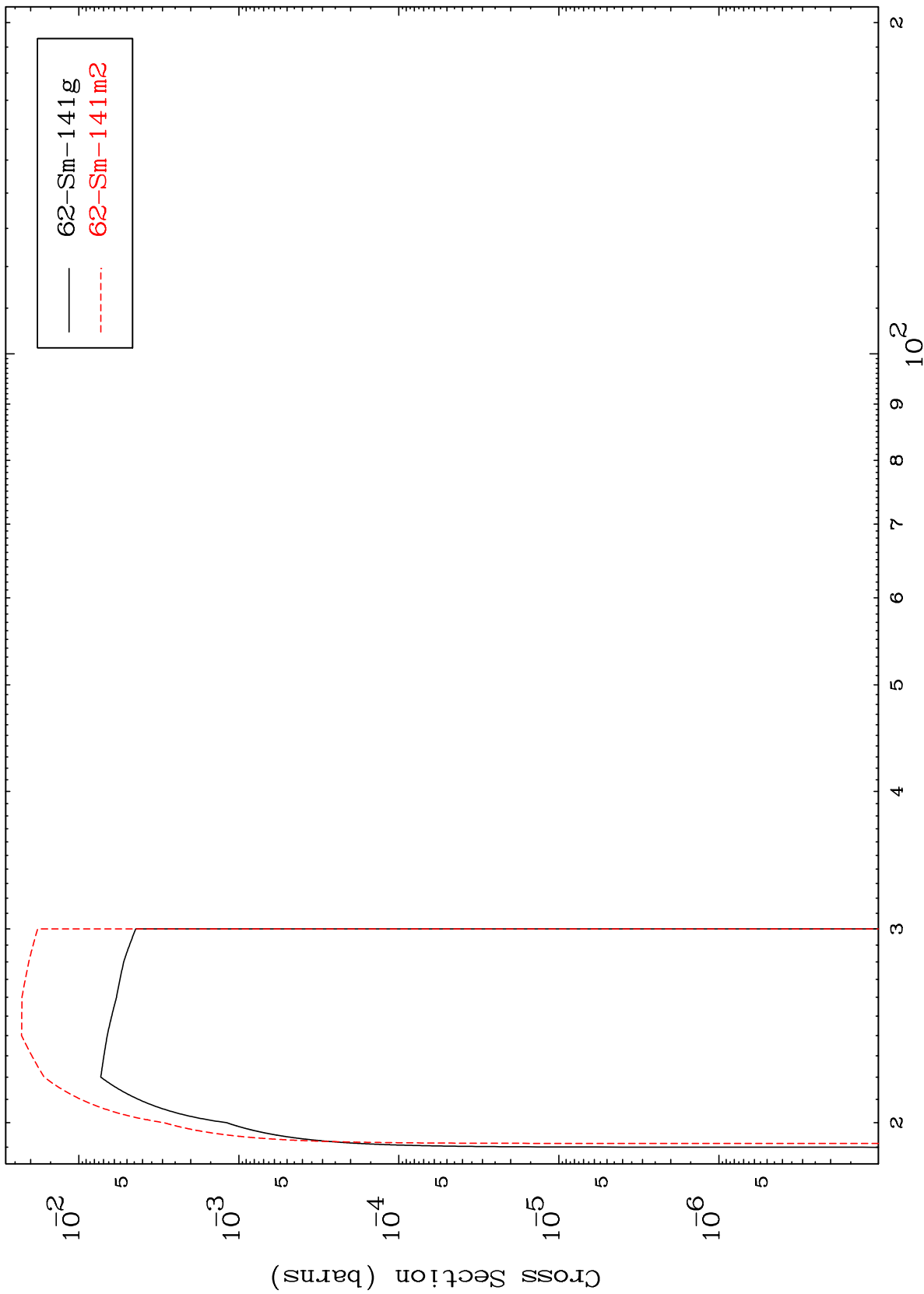
Incident Energy (MeV)

62-Sm-143

MAT 6223

62-Sm-143

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

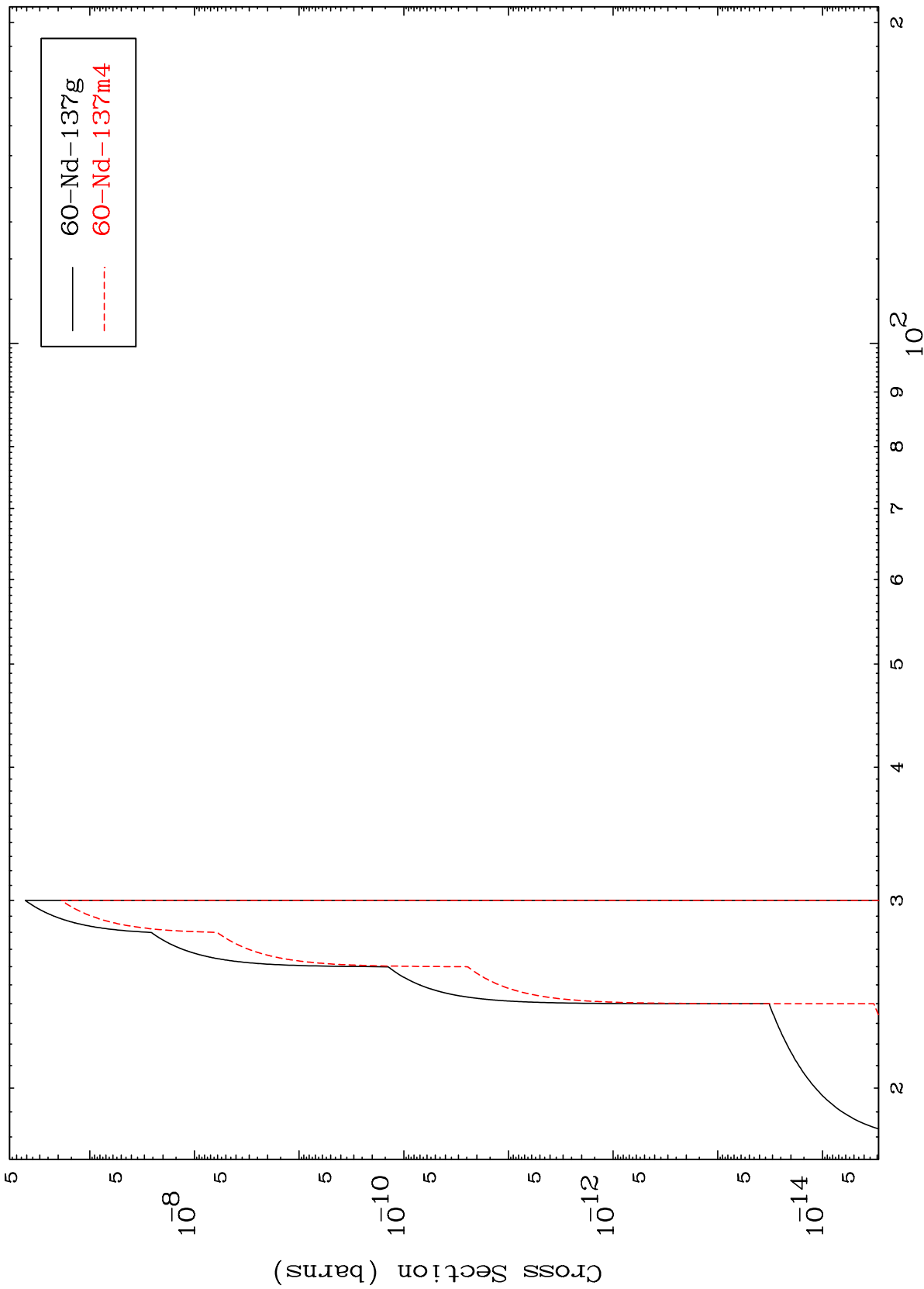


MAT 6223

$(\gamma, 2n) \alpha$

62-Sm-143

Radionuclide Production Cross Section

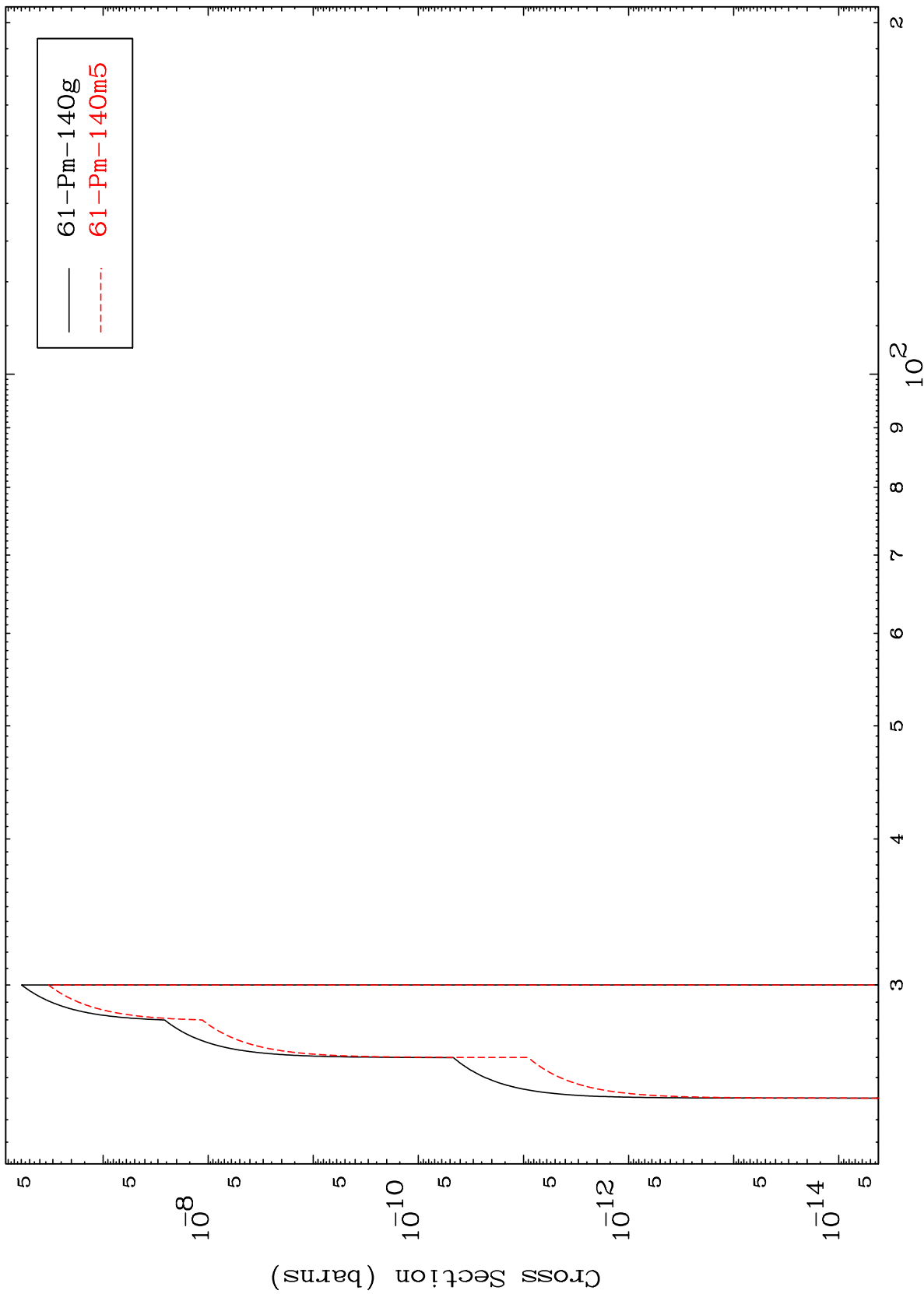


12

Incident Energy (MeV)

62-Sm-143

Radionuclide Production Cross Section

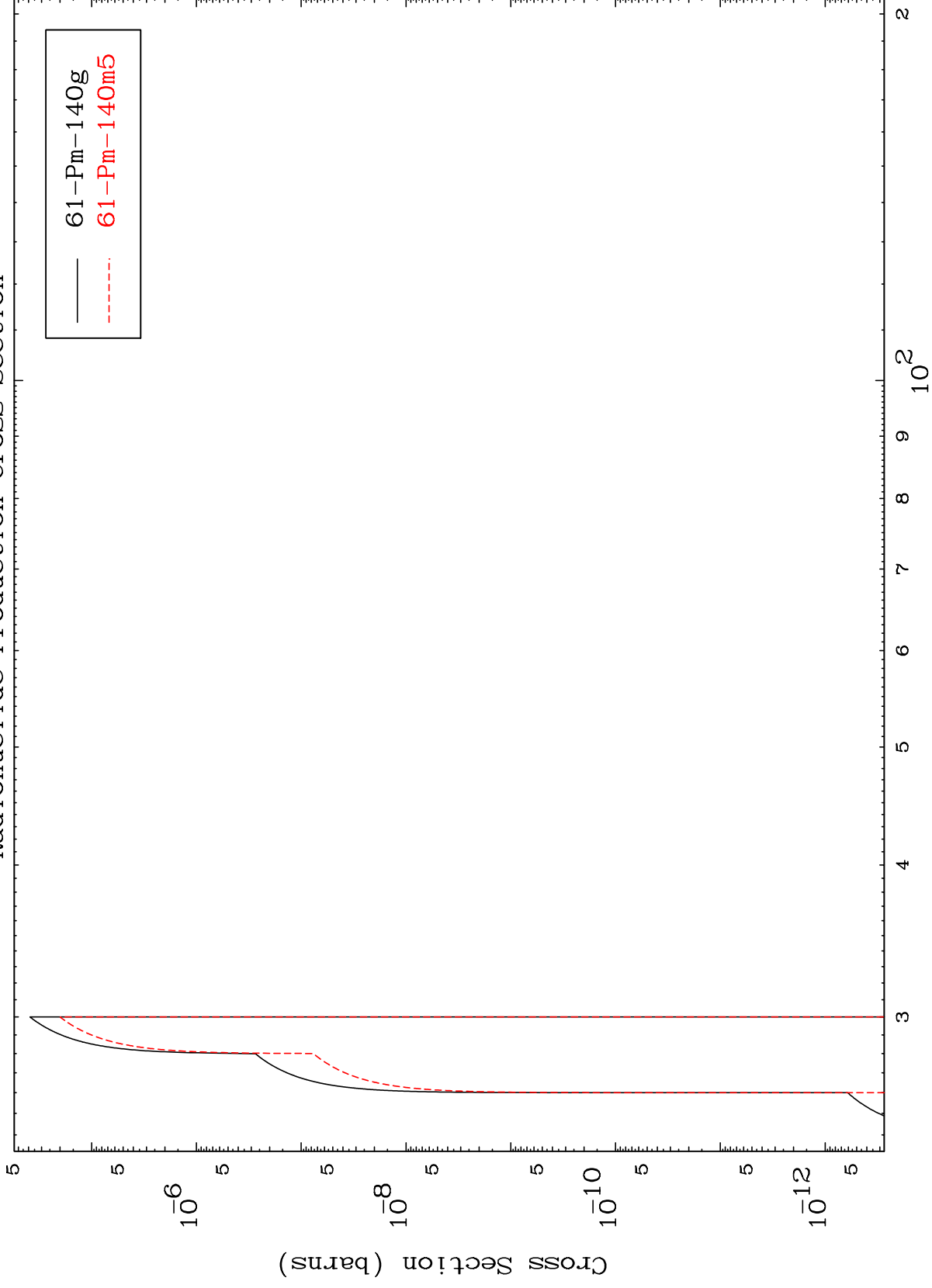


MAT 6223

$(\gamma, 2n) p$

62-Sm-143

Radionuclide Production Cross Section



14

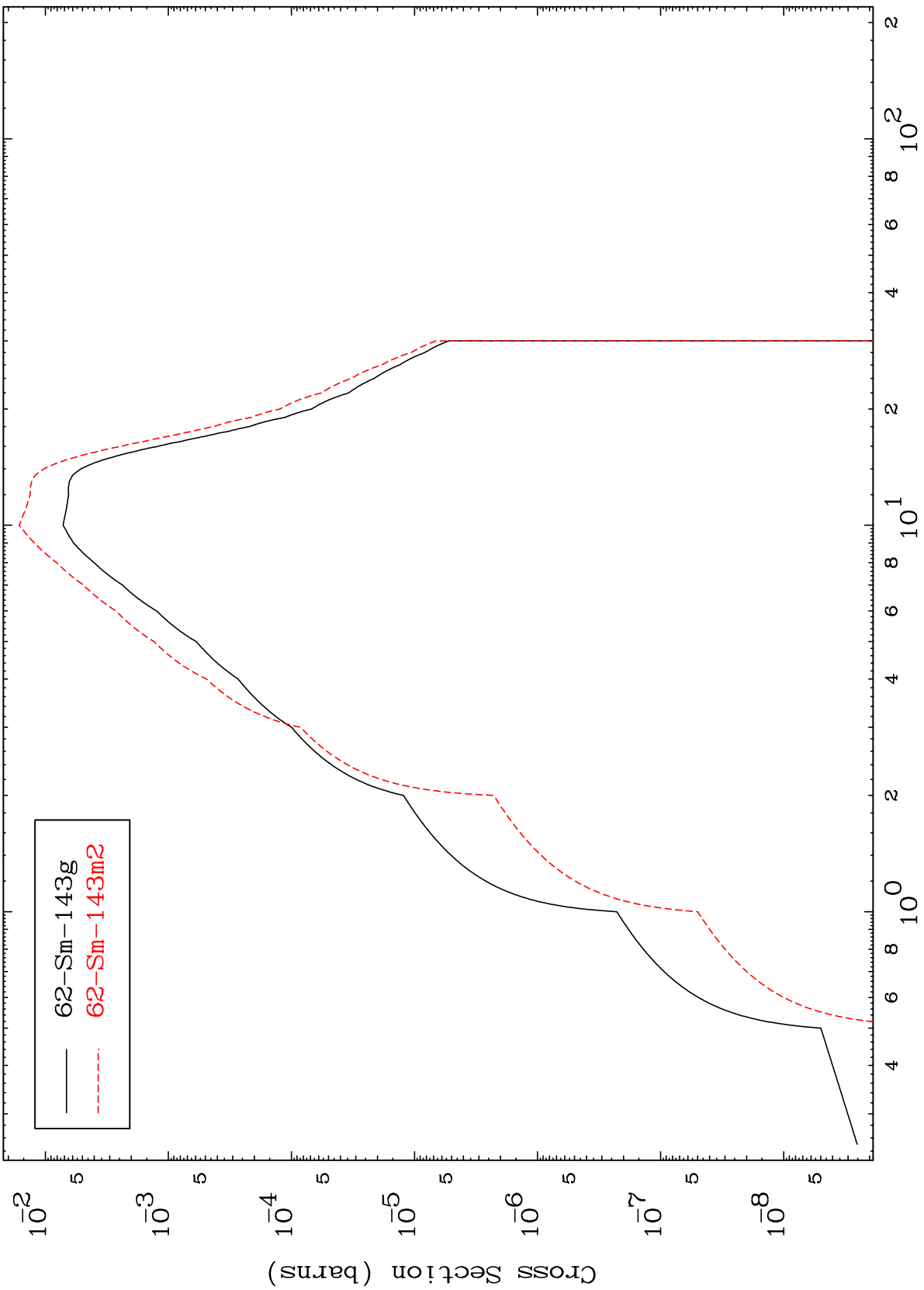
Incident Energy (MeV)

62-Sm-143

MAT 6223

62-Sm-143

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



Legend:  
— 62-Sm-143g  
- - - 62-Sm-143m2

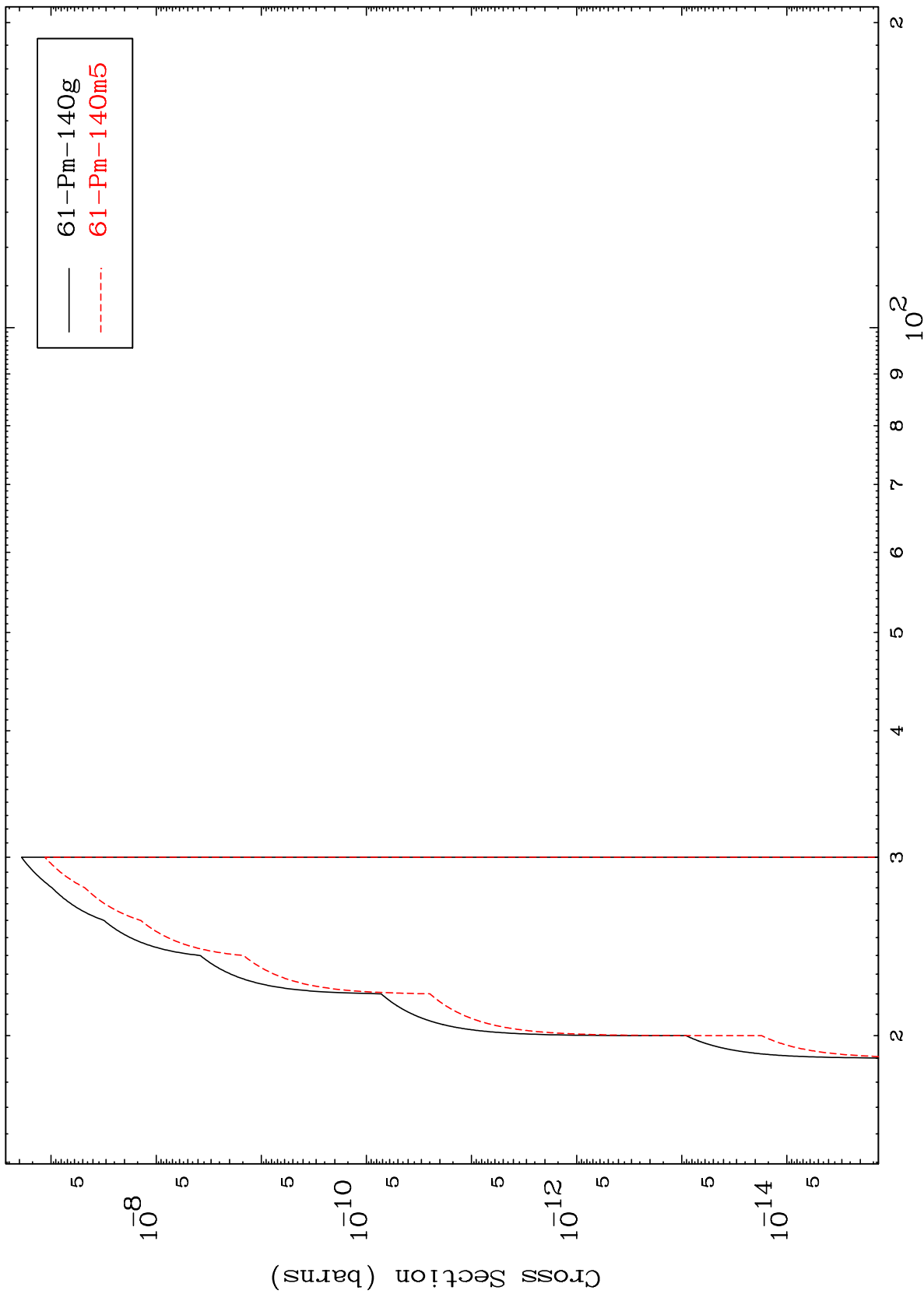
62-Sm-143

Incident Energy (MeV)

15



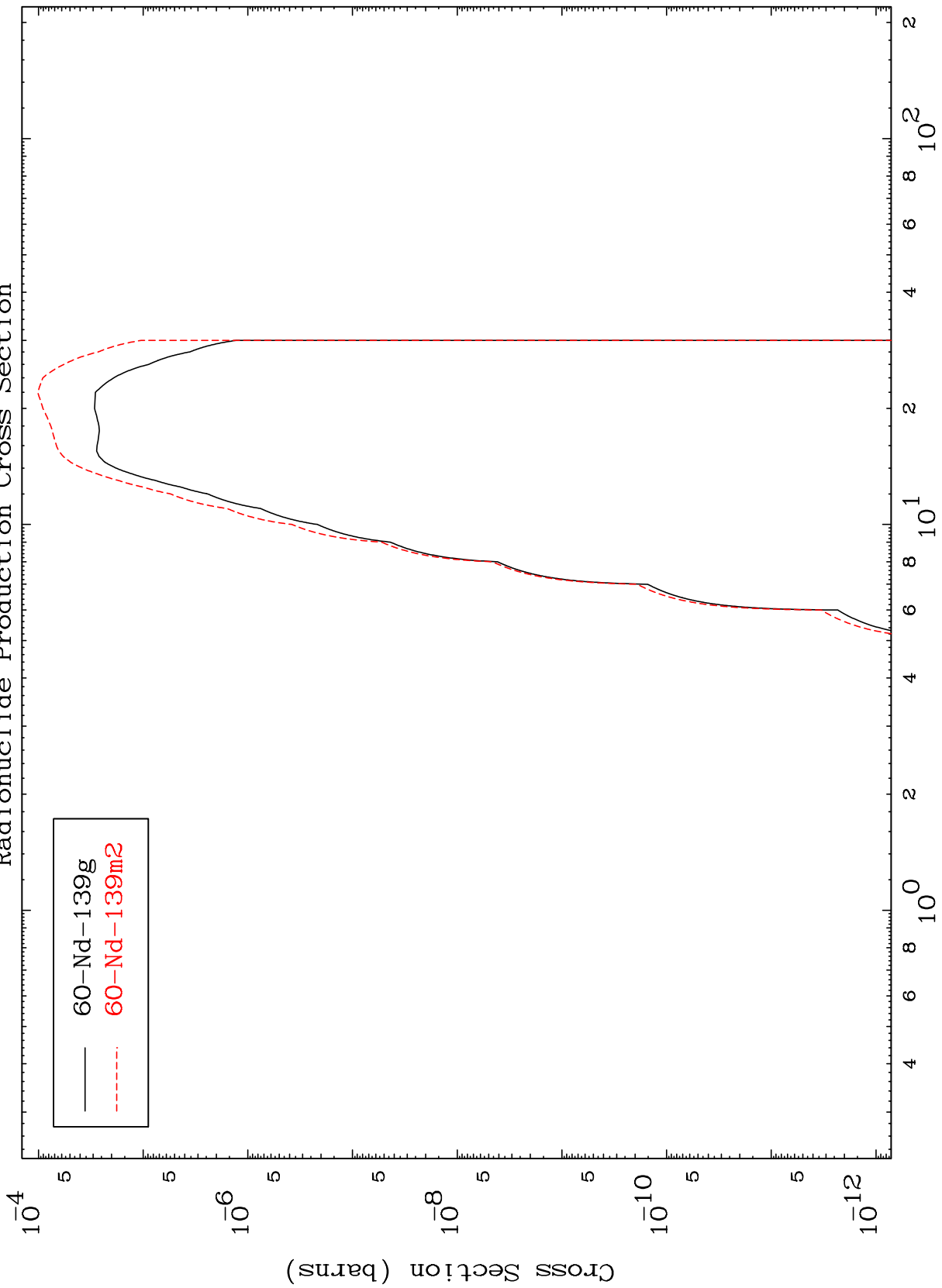
( $\gamma, t$ )  
Radionuclide Production Cross Section



MAT 6223

62-Sm-143

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



62-Sm-143

Incident Energy (MeV)

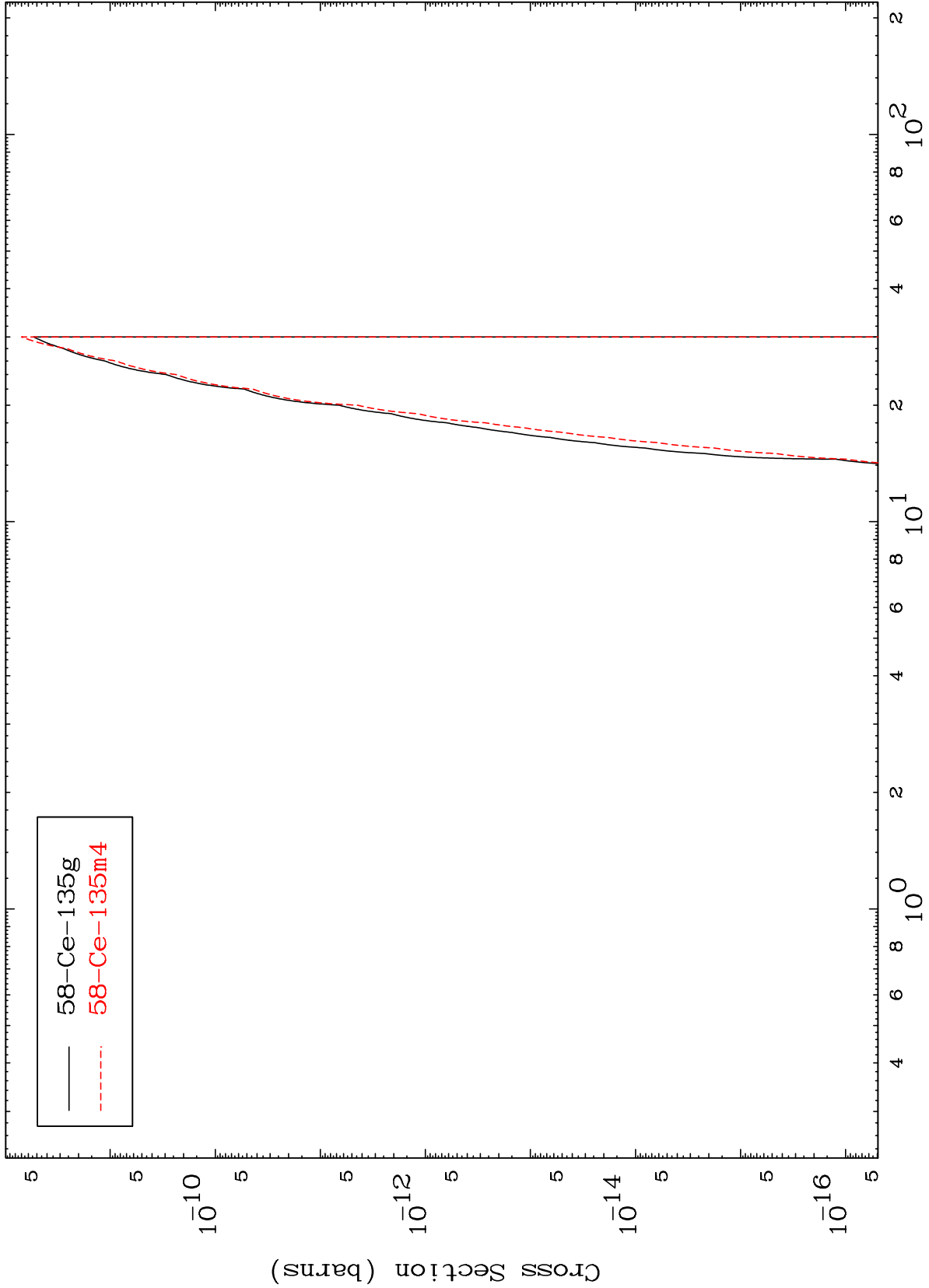
17

MAT 6223

( $\gamma, 2\alpha$ )

62-Sm-143

Radionuclide Production Cross Section



18

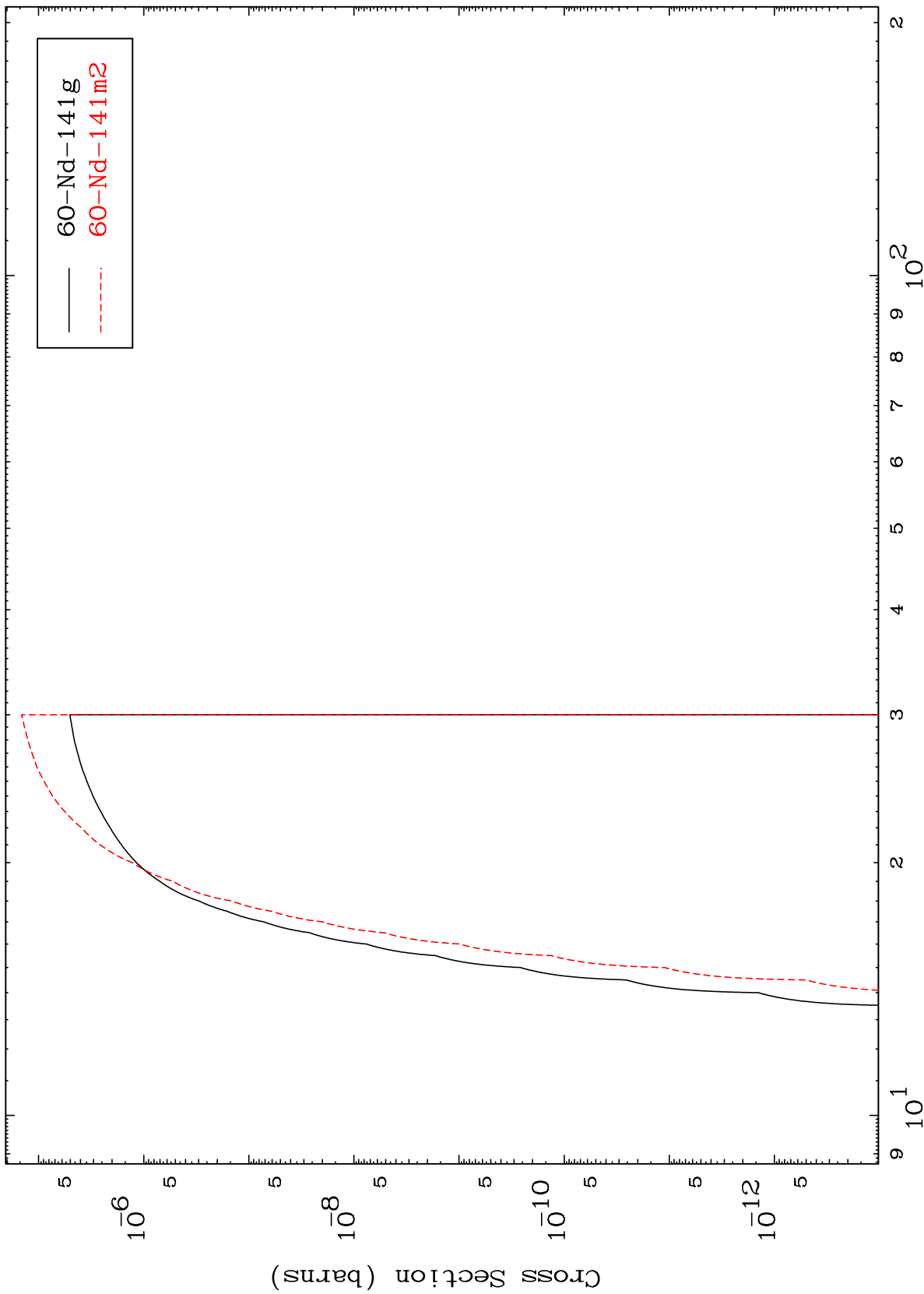
Incident Energy (MeV)

62-Sm-143

MAT 6223

62-Sm-143

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



62-Sm-143

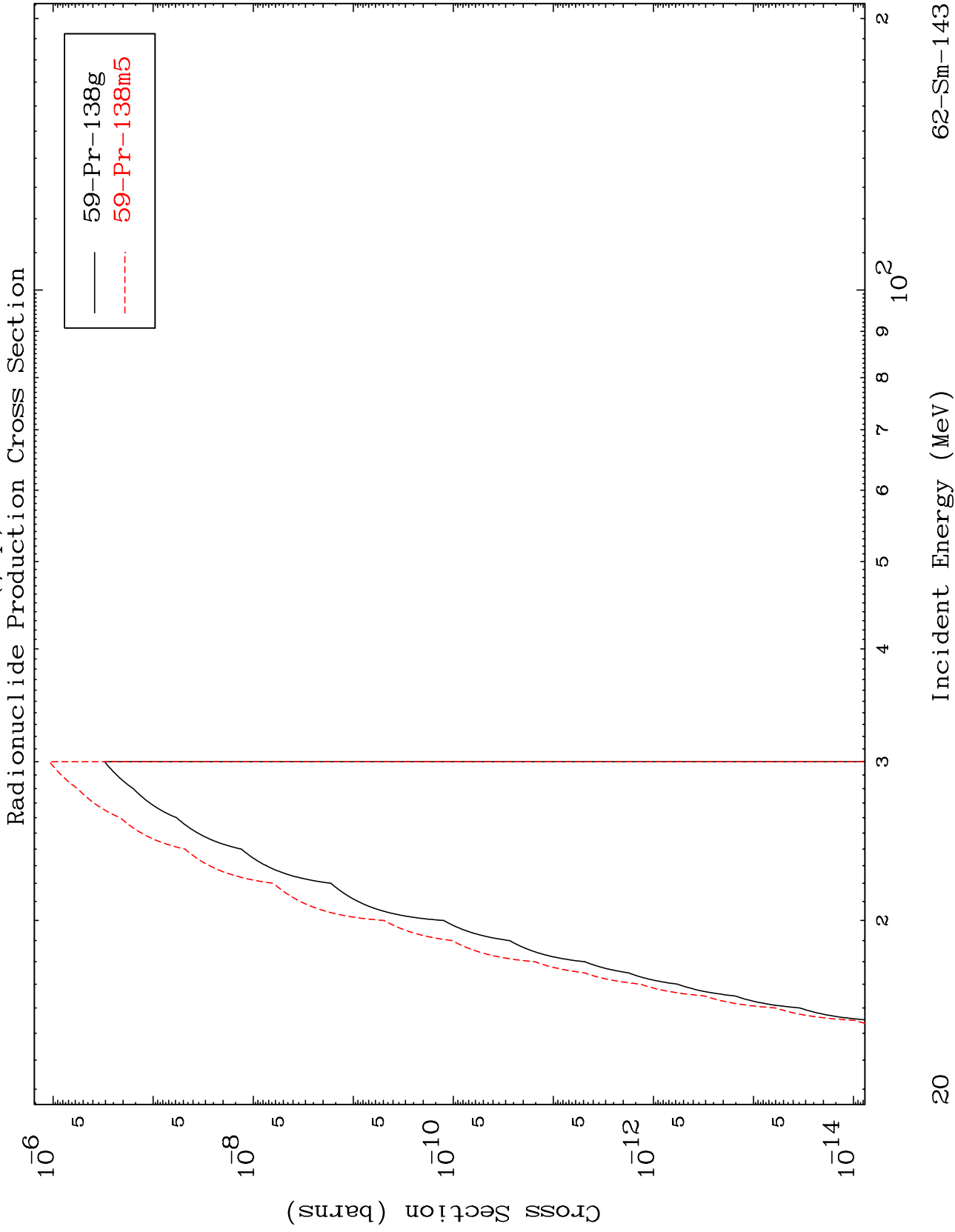
Incident Energy (MeV)

19

MAT 6223

( $\gamma, p$ )  $\alpha$

62-Sm-143



20

Incident Energy (MeV)

62-Sm-143