

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

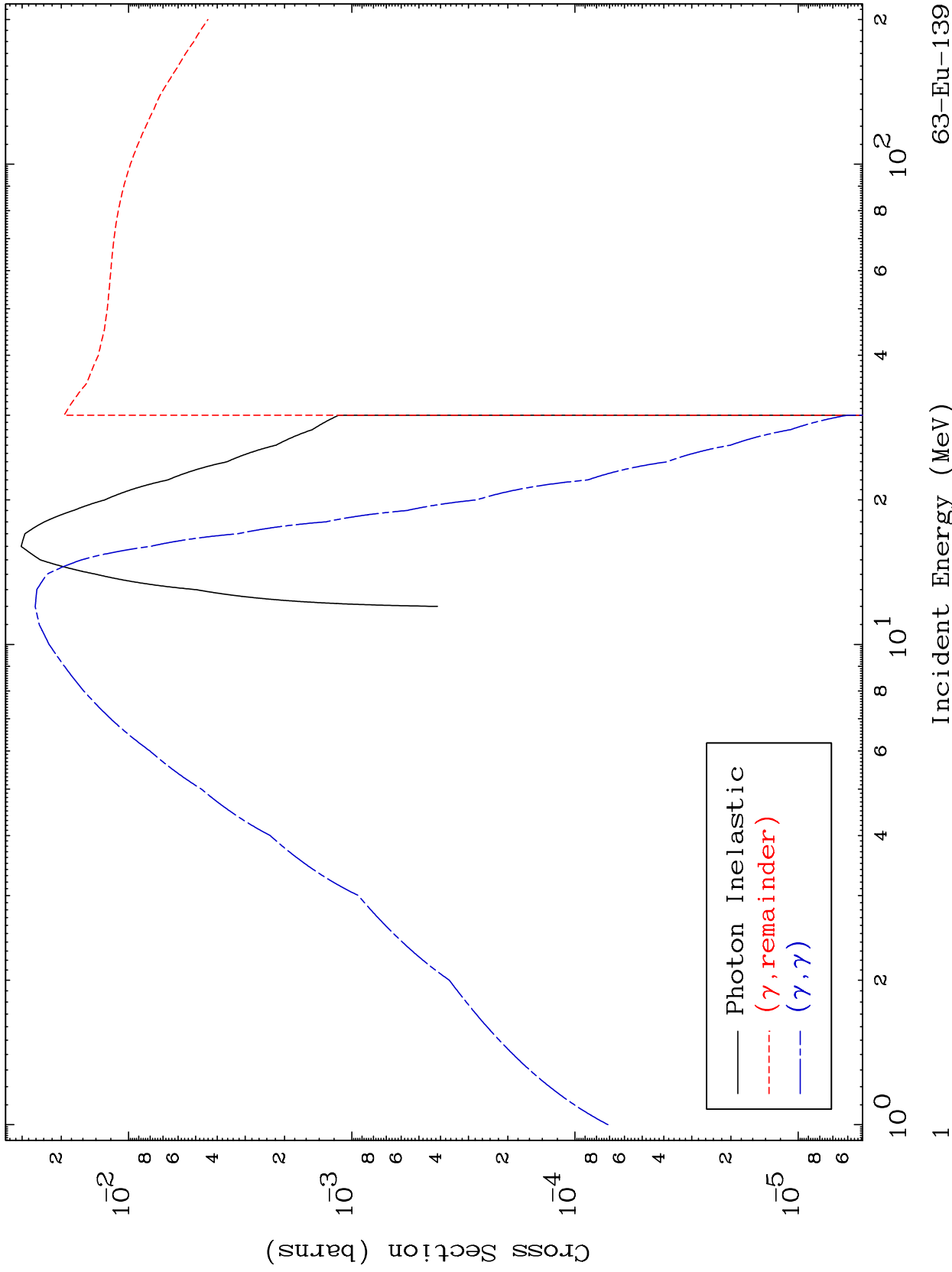
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

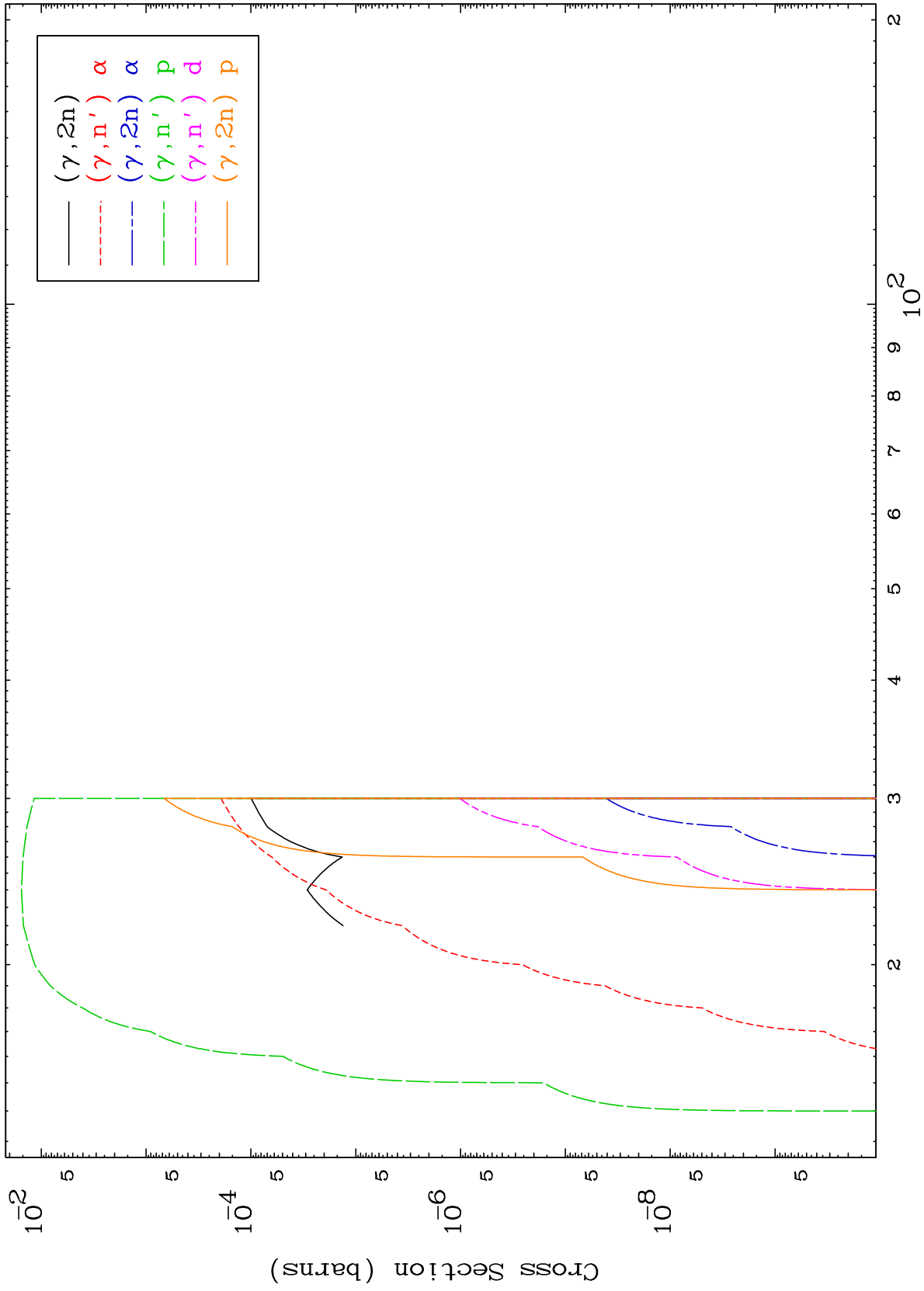
Press Mouse Button to Start

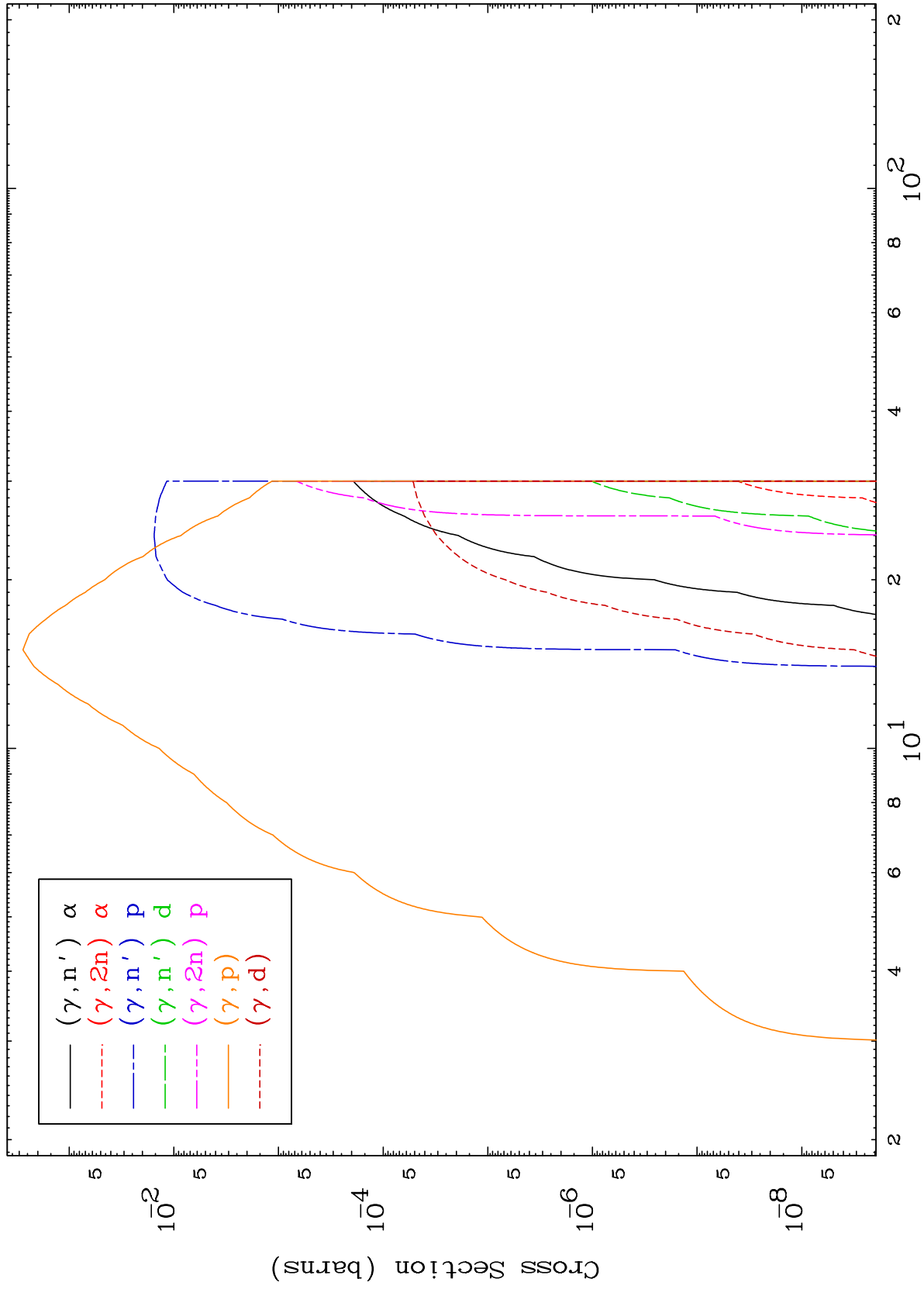
MAT 6289

Photon Major  
0 Kelvin Cross Sections

63-Eu-139



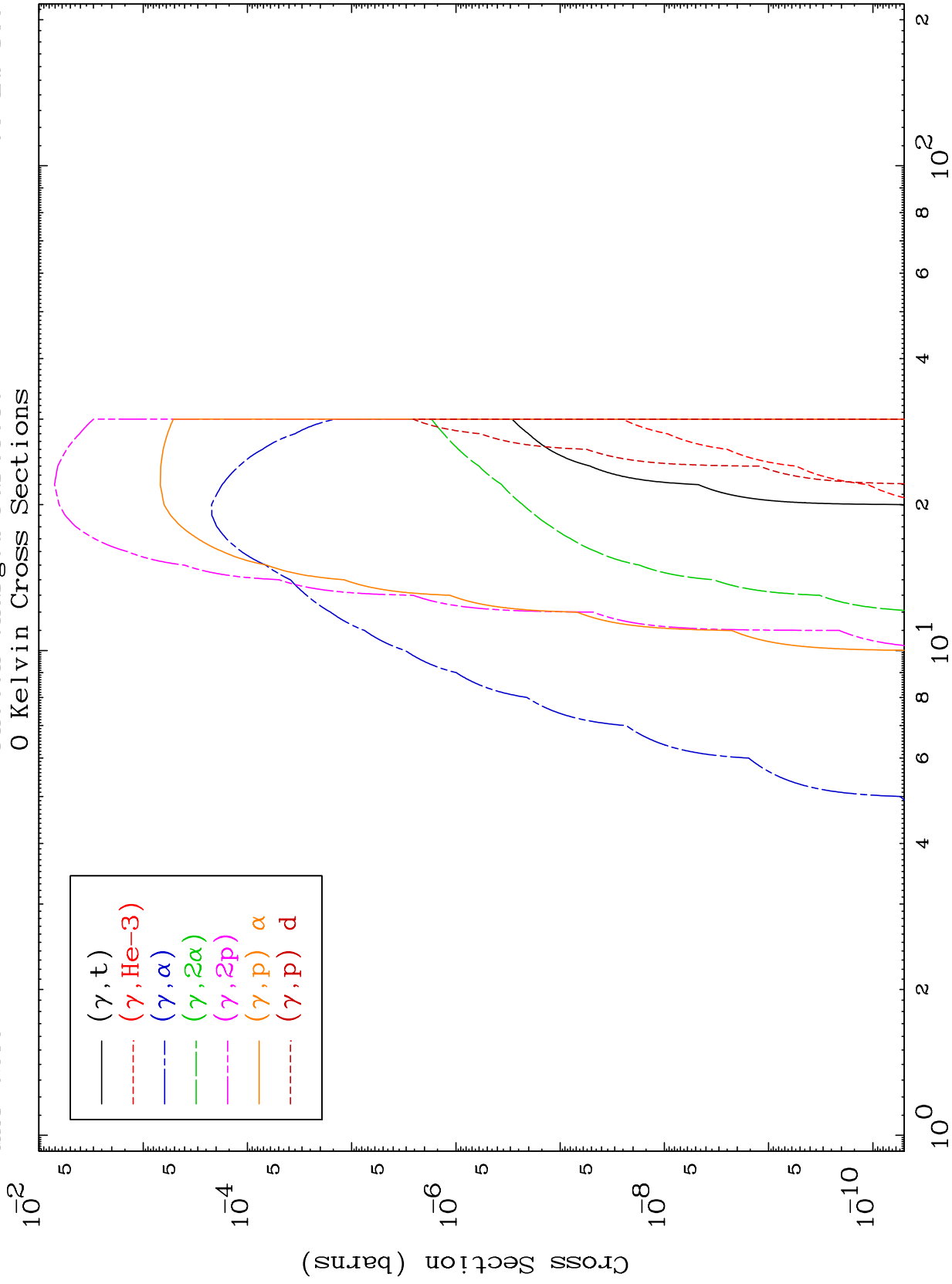




MAT 6289

Photon Charged Particle  
0 Kelvin Cross Sections

63-Eu-139



63-Eu-139

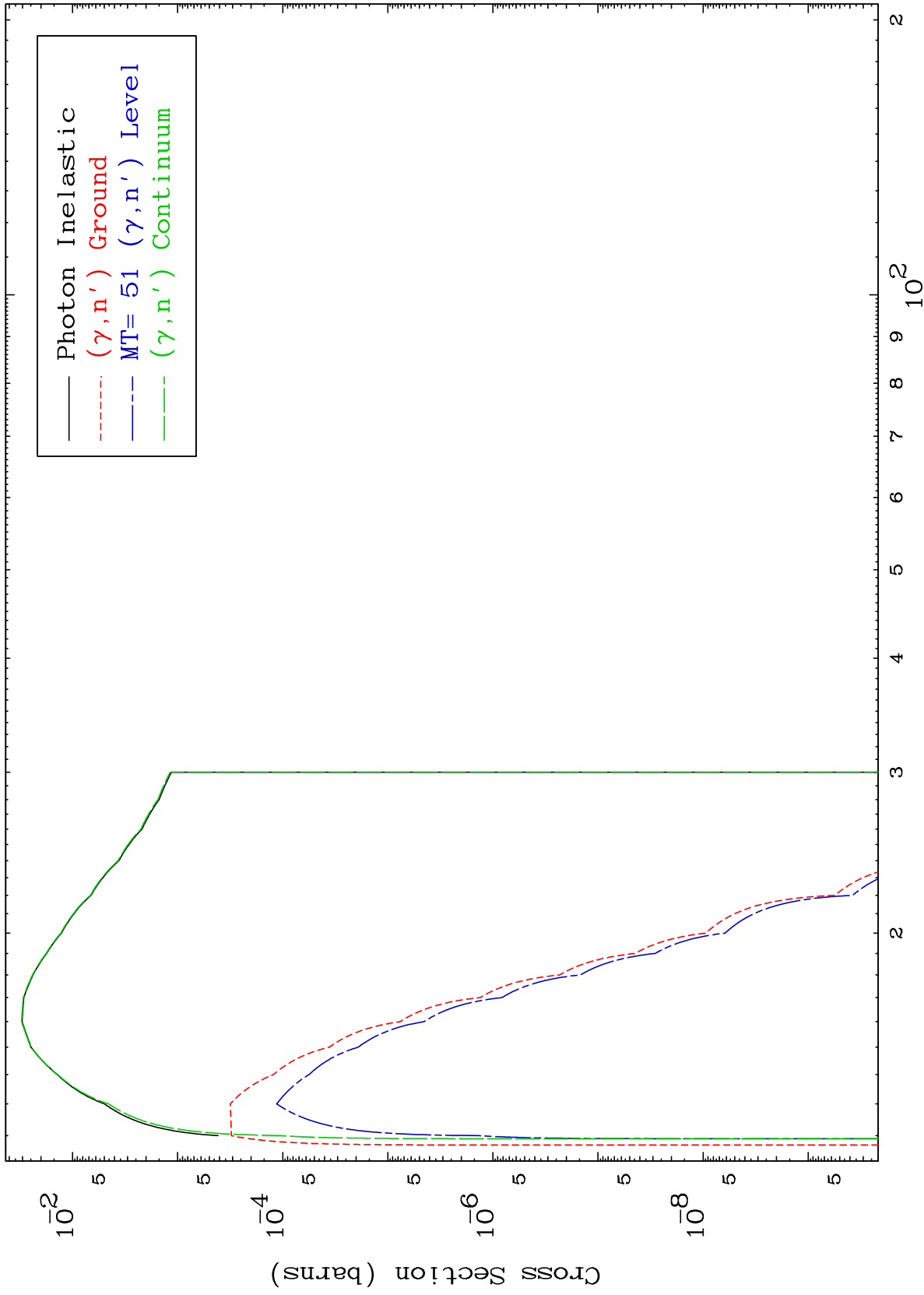
Incident Energy (MeV)

4

MAT 6289

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

63-Eu-139



5

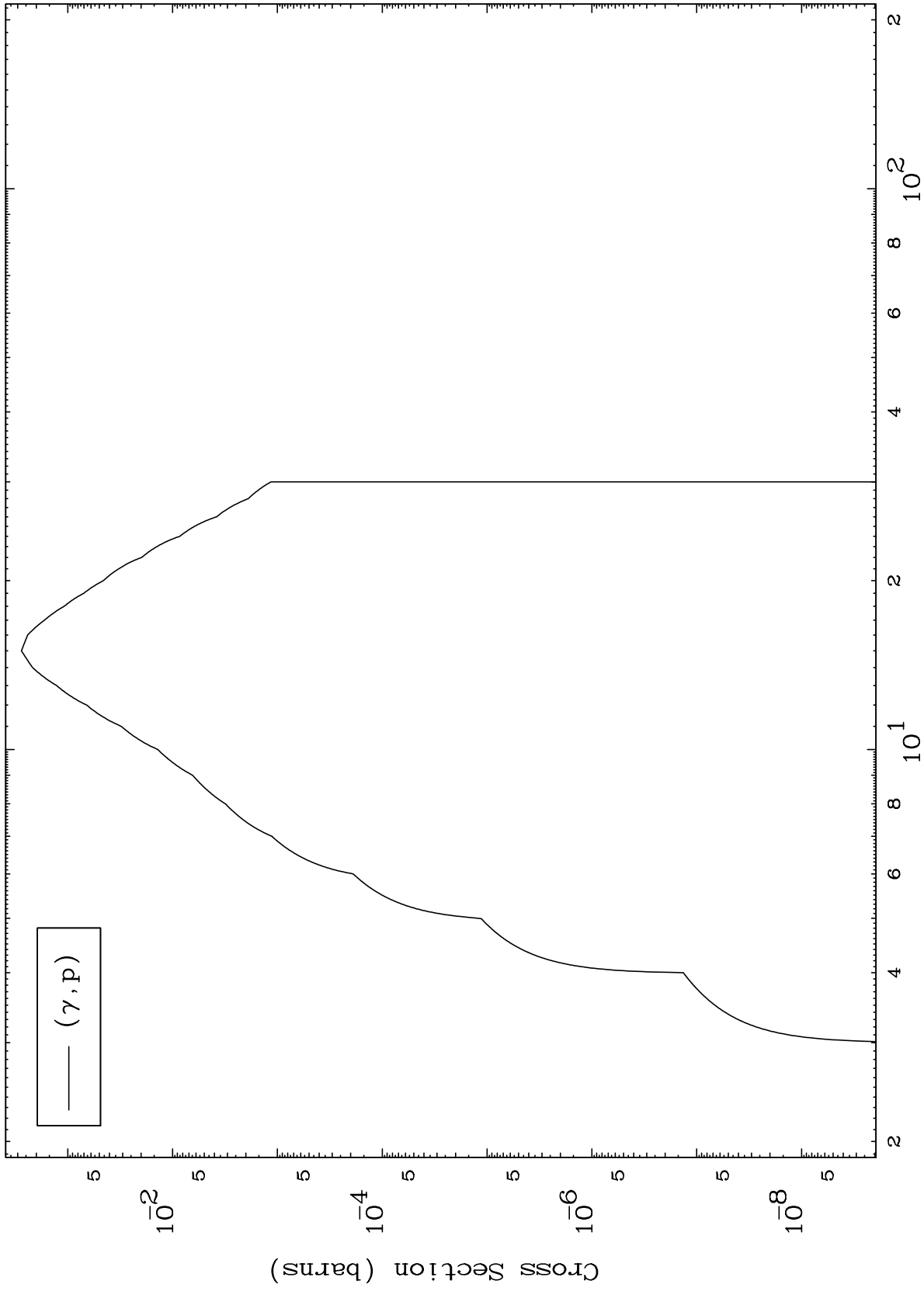
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



6

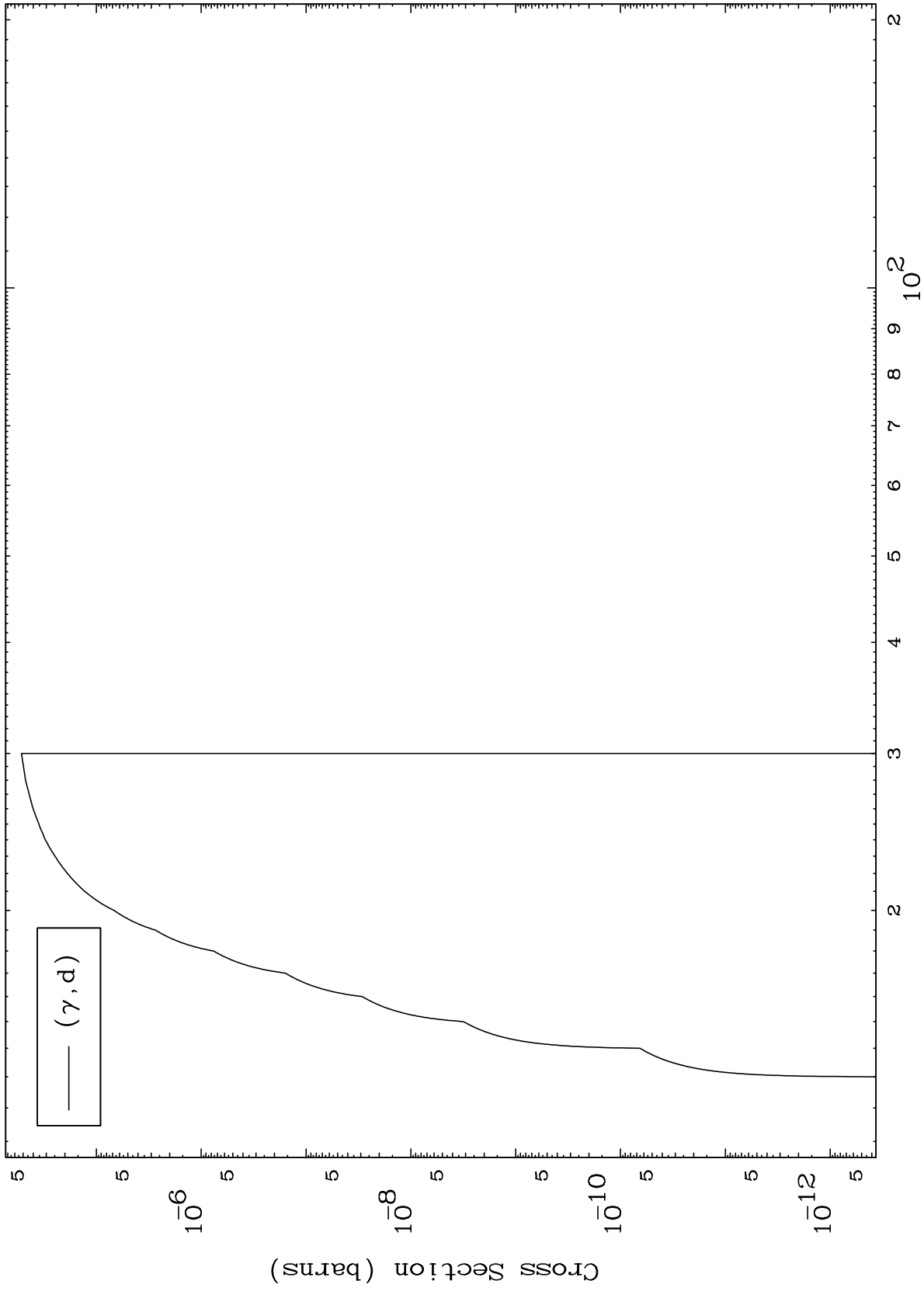
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

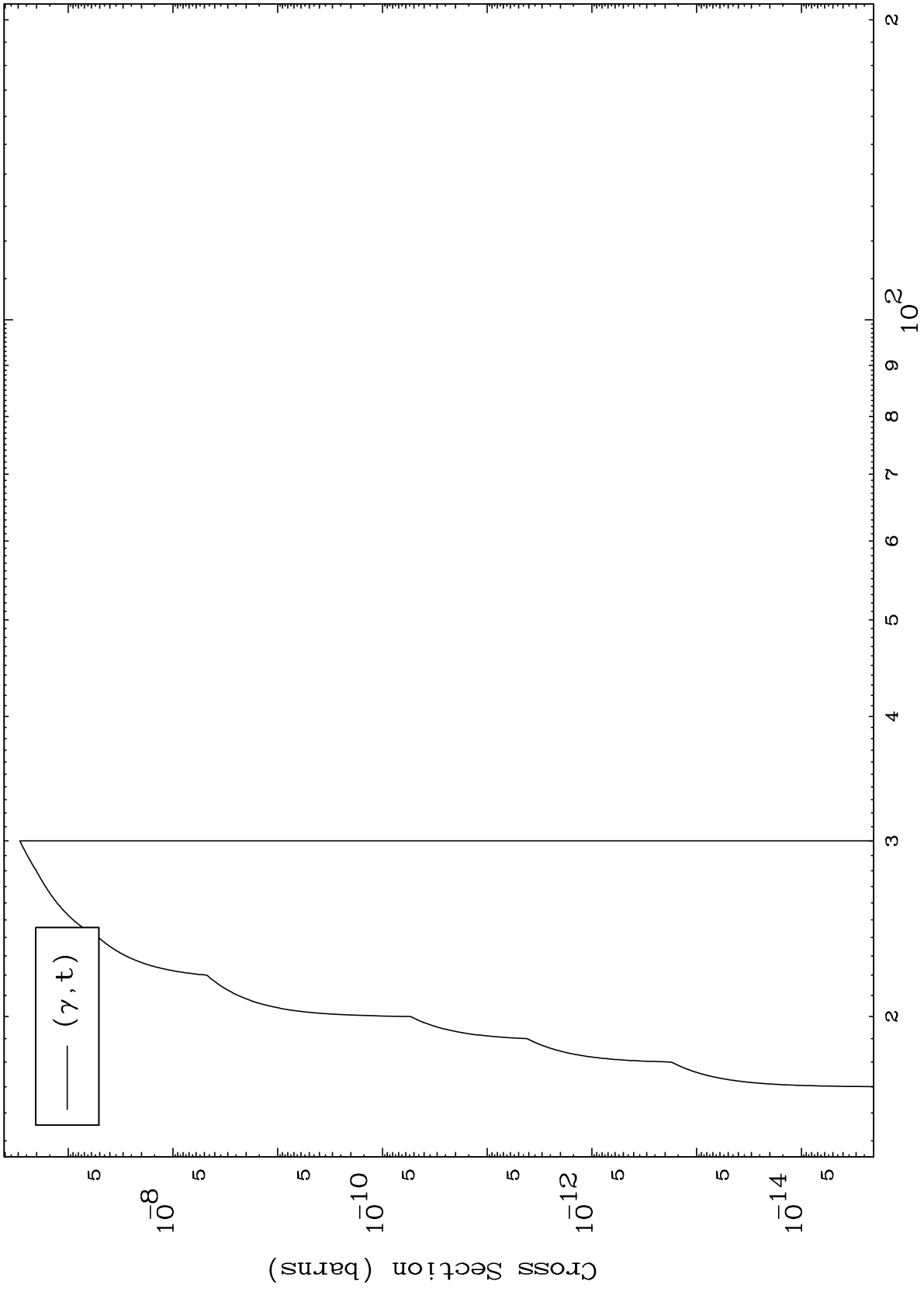
63-Eu-139

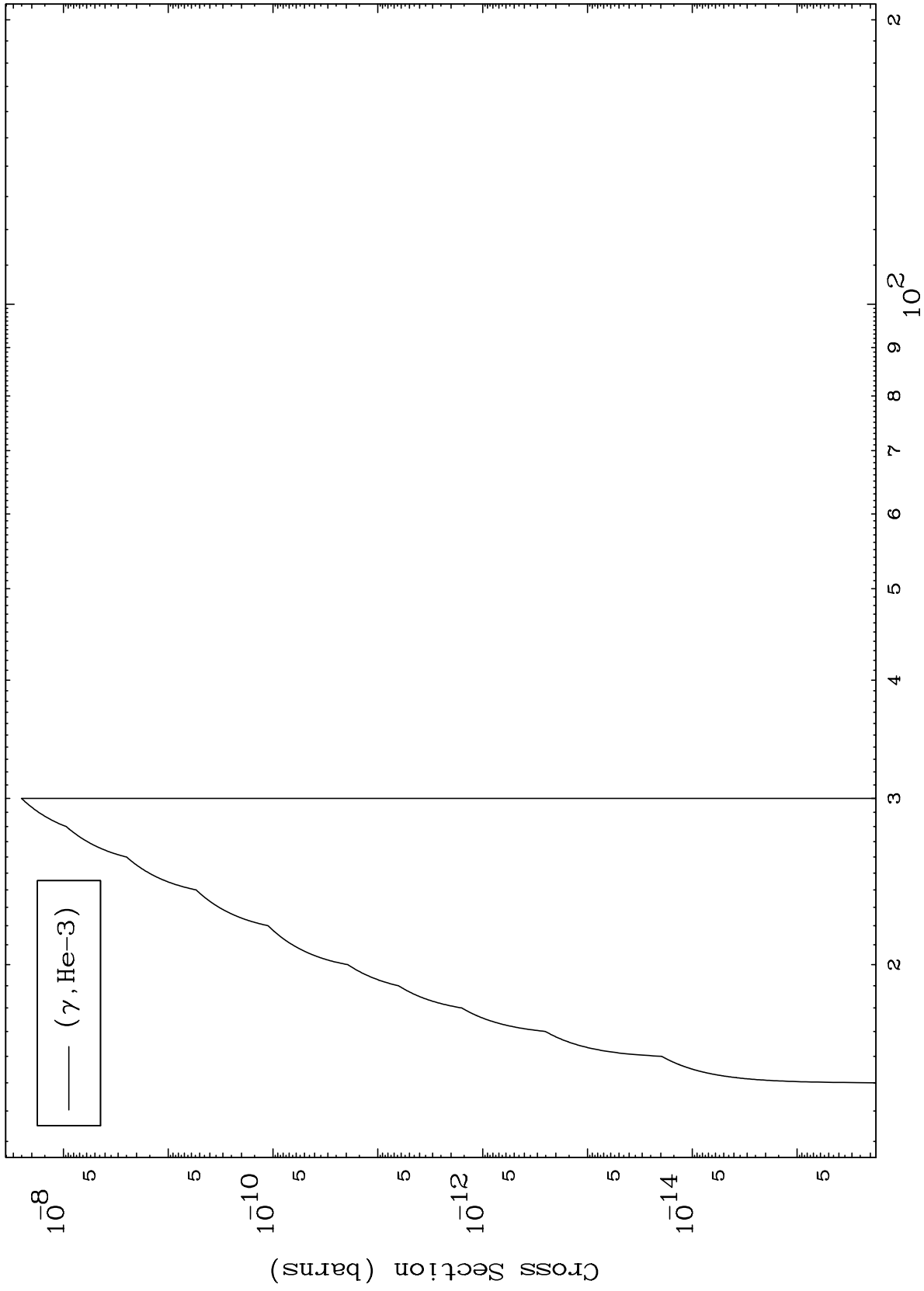


7

Incident Energy (MeV)

63-Eu-139

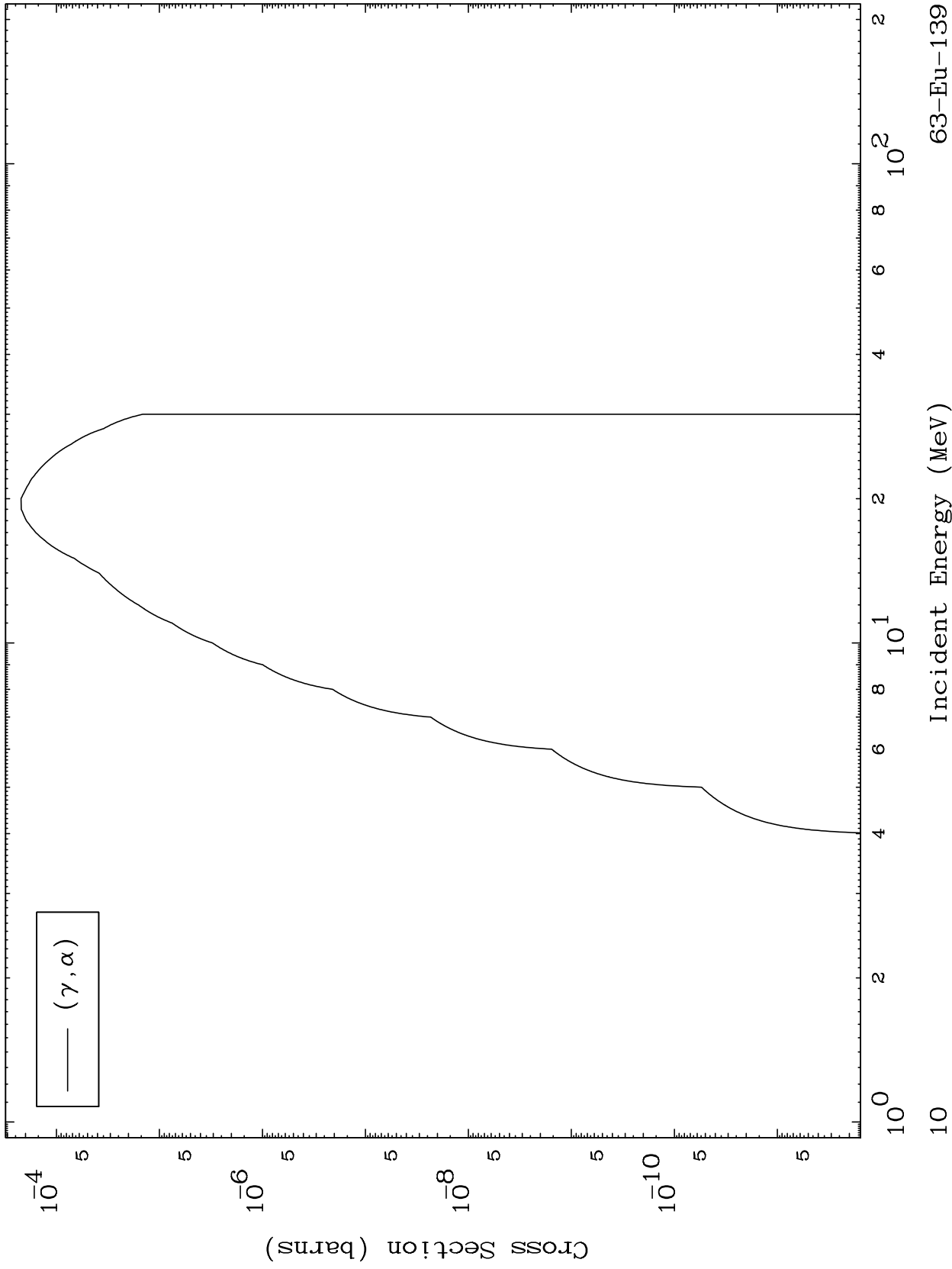




MAT 6289

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

63-Eu-139



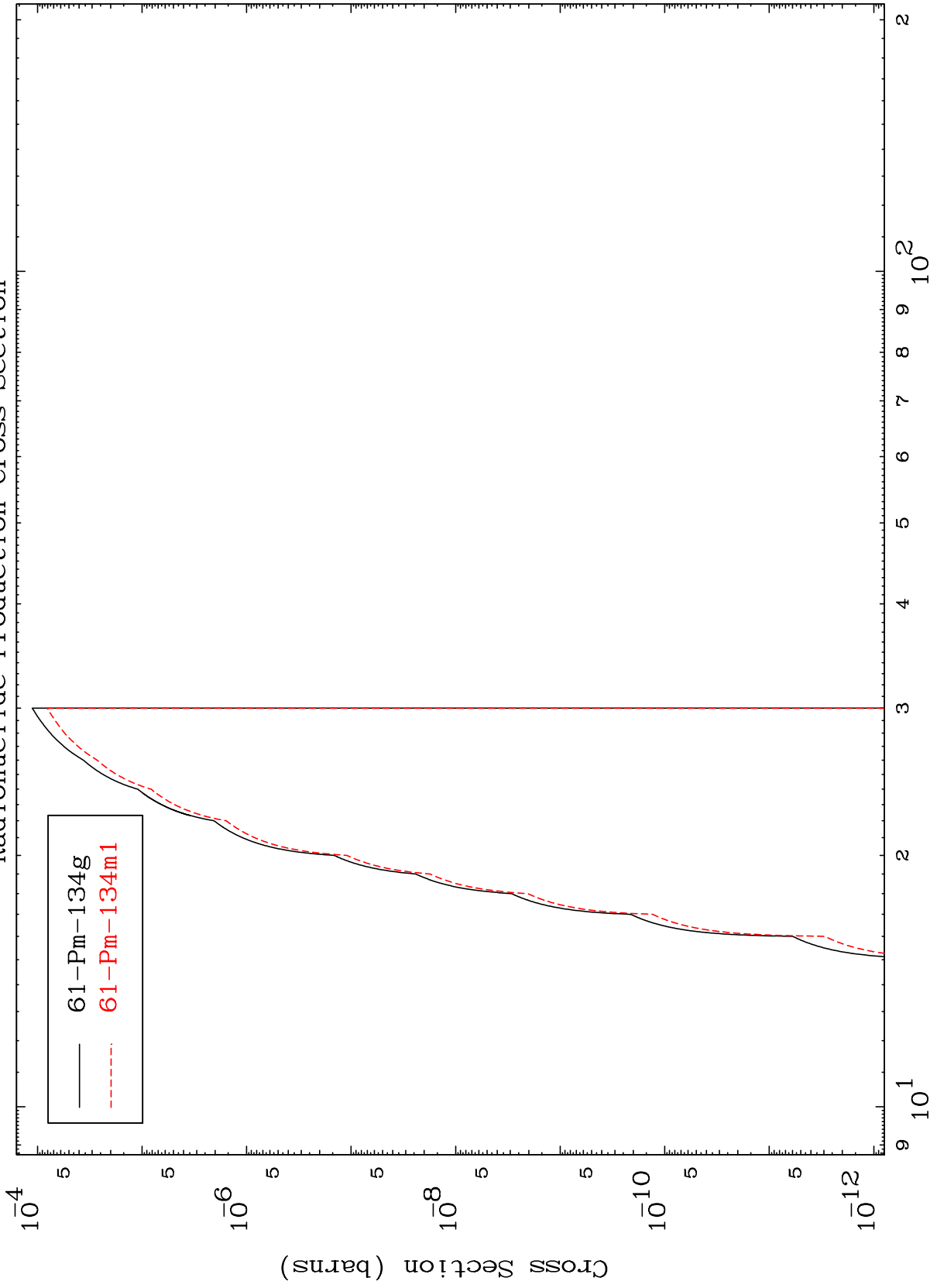
63-Eu-139

MAT 6289

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

63-Eu-139

Radionuclide Production Cross Section



11

Incident Energy (MeV)

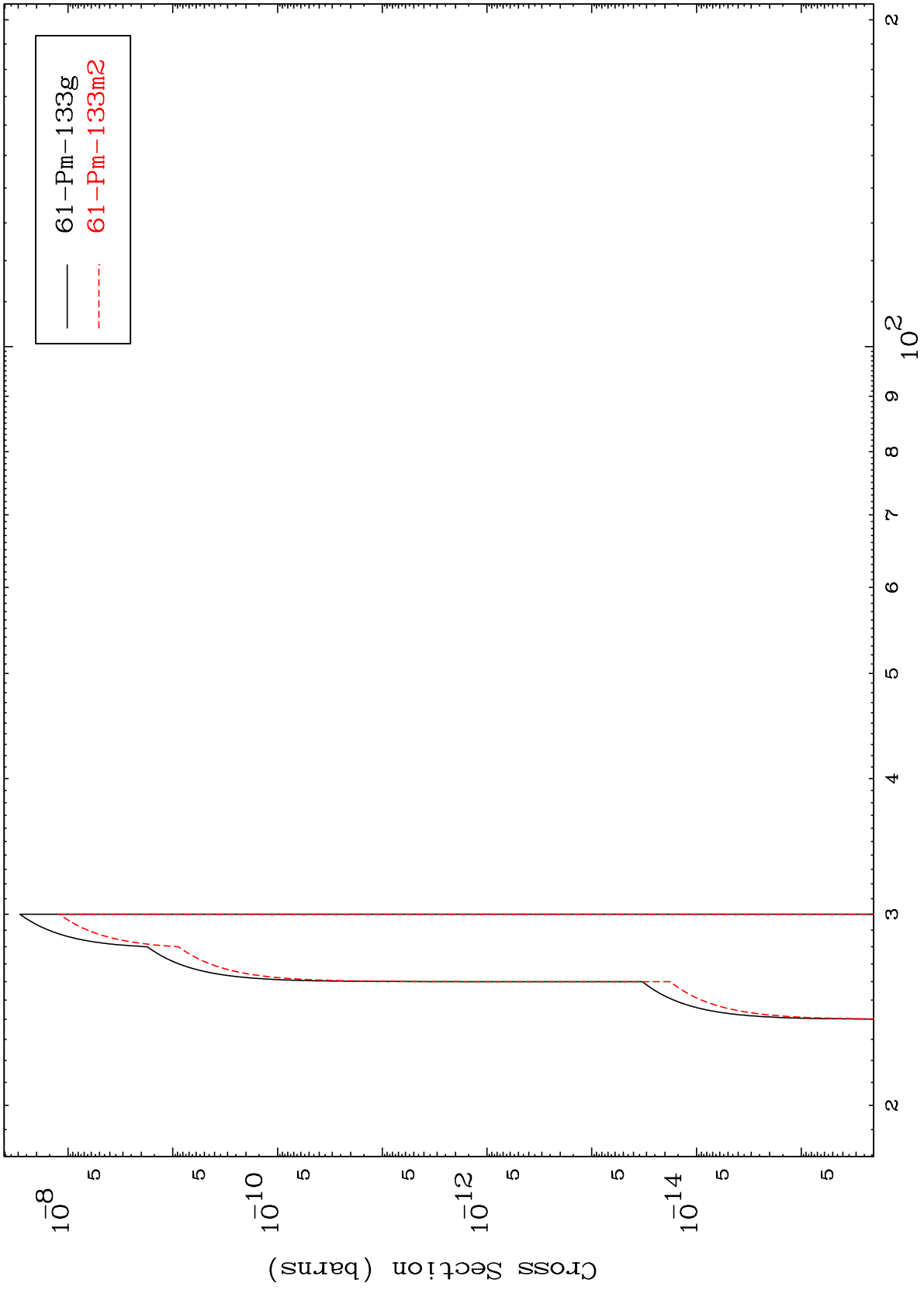
63-Eu-139

MAT 6289

$(\gamma, 2n) \alpha$

63-Eu-139

Radionuclide Production Cross Section



12

Incident Energy (MeV)

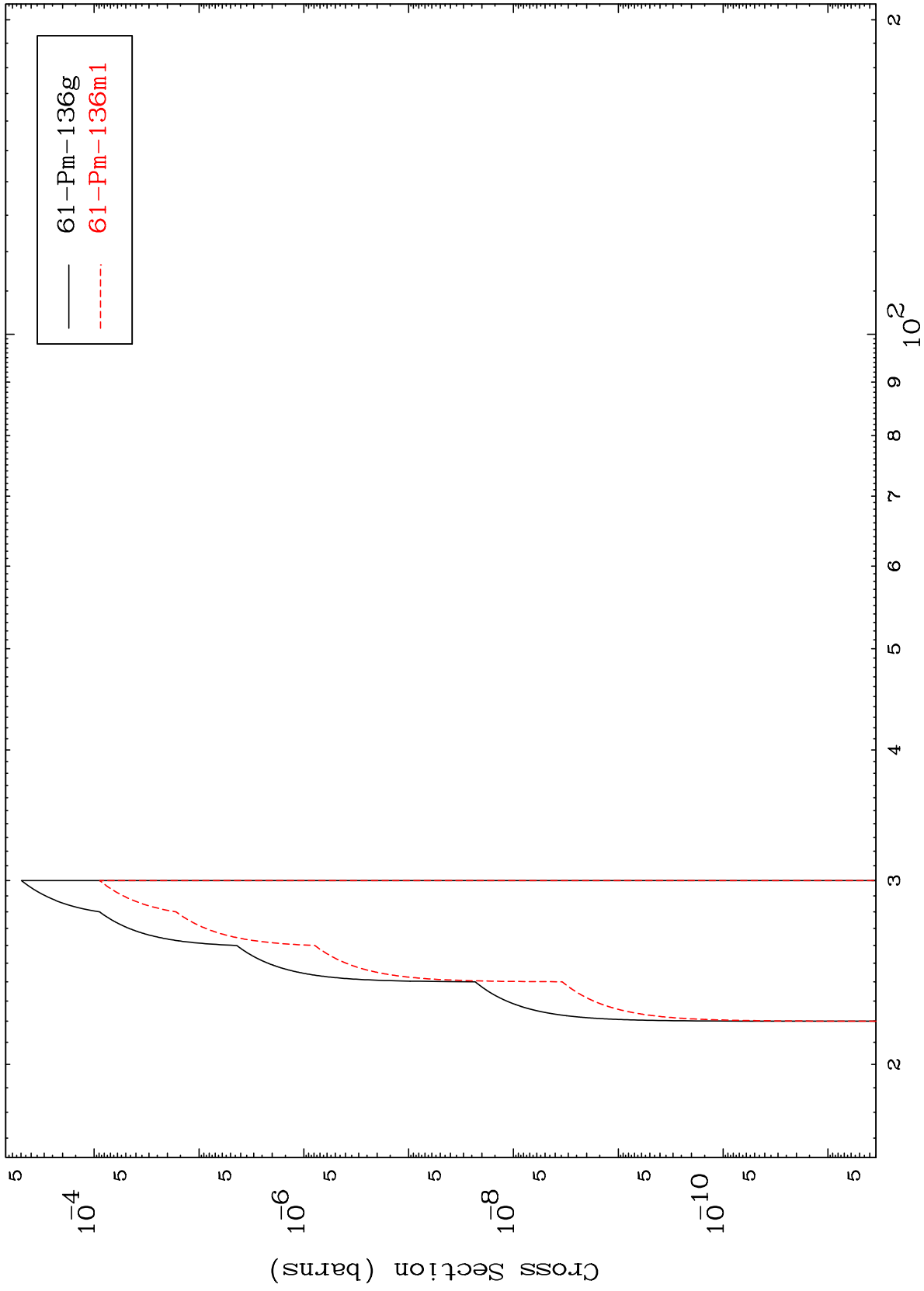
63-Eu-139

MAT 6289

$(\gamma, 2n)$  p

63-Eu-139

Radionuclide Production Cross Section



13

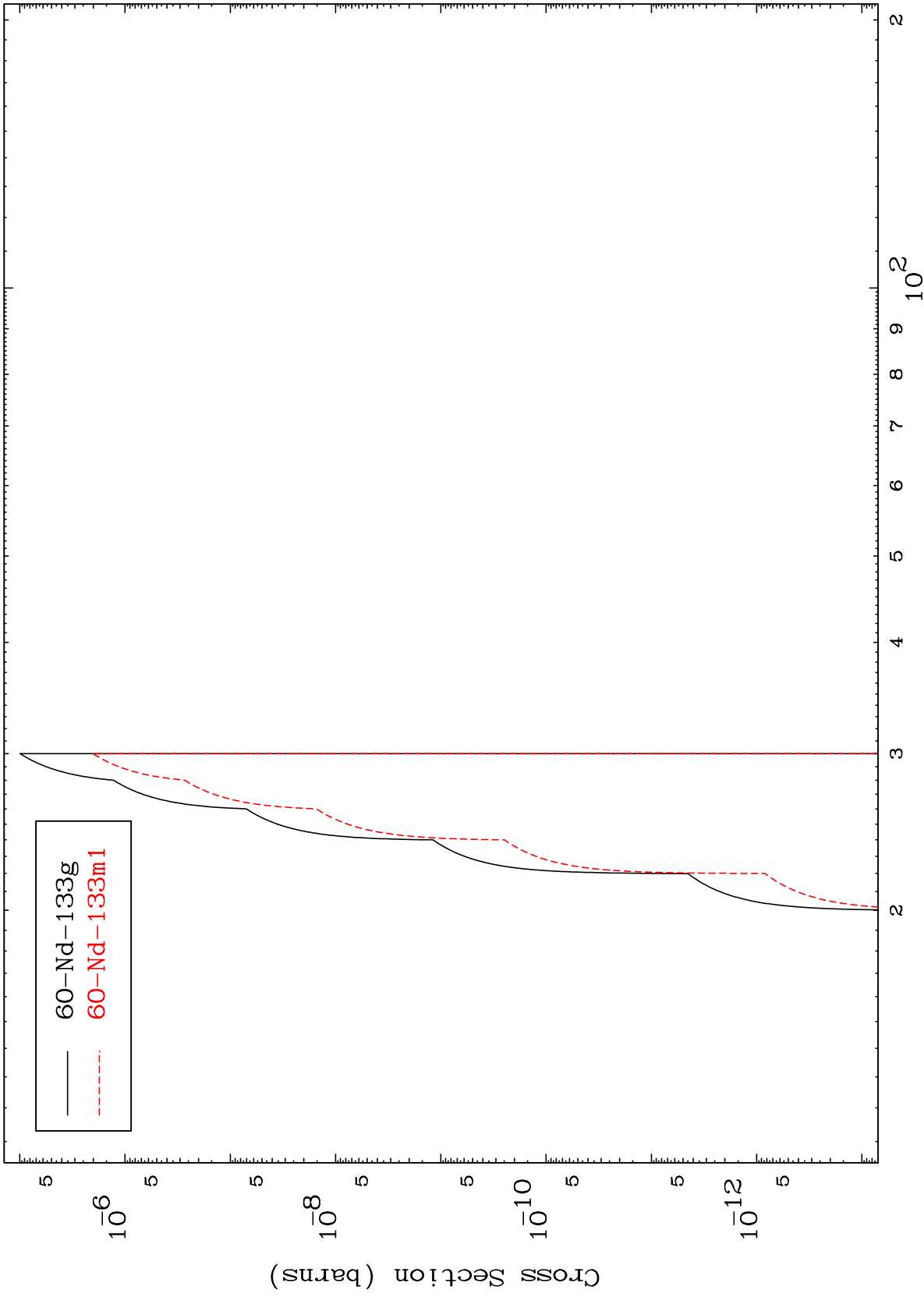
Incident Energy (MeV)

63-Eu-139

MAT 6289

63-Eu-139

$(\gamma, n')$  p  $\alpha$   
Radionuclide Production Cross Section



14

Incident Energy (MeV)

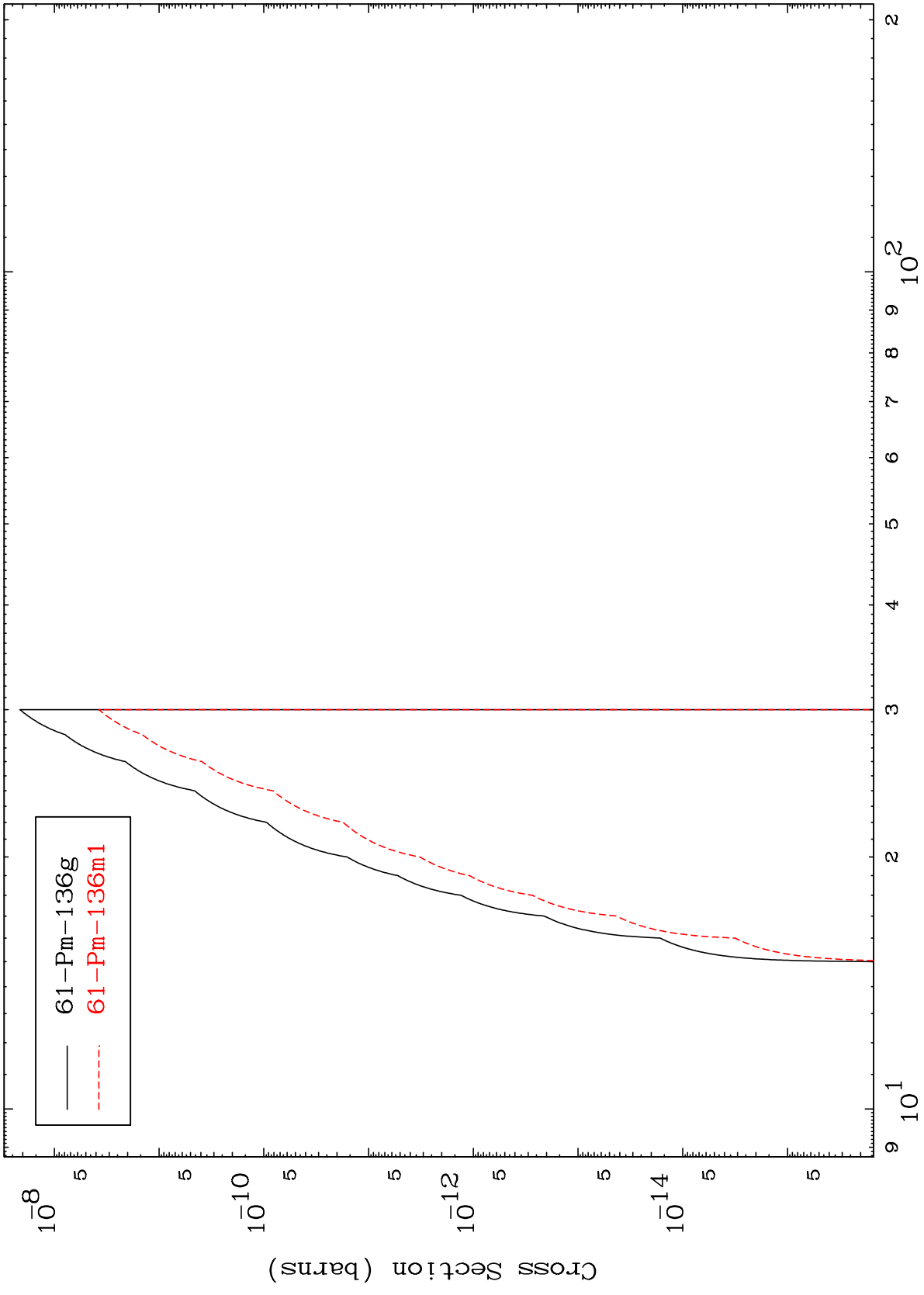
63-Eu-139

MAT 6289

( $\gamma, \text{He-3}$ )

63-Eu-139

Radionuclide Production Cross Section



15

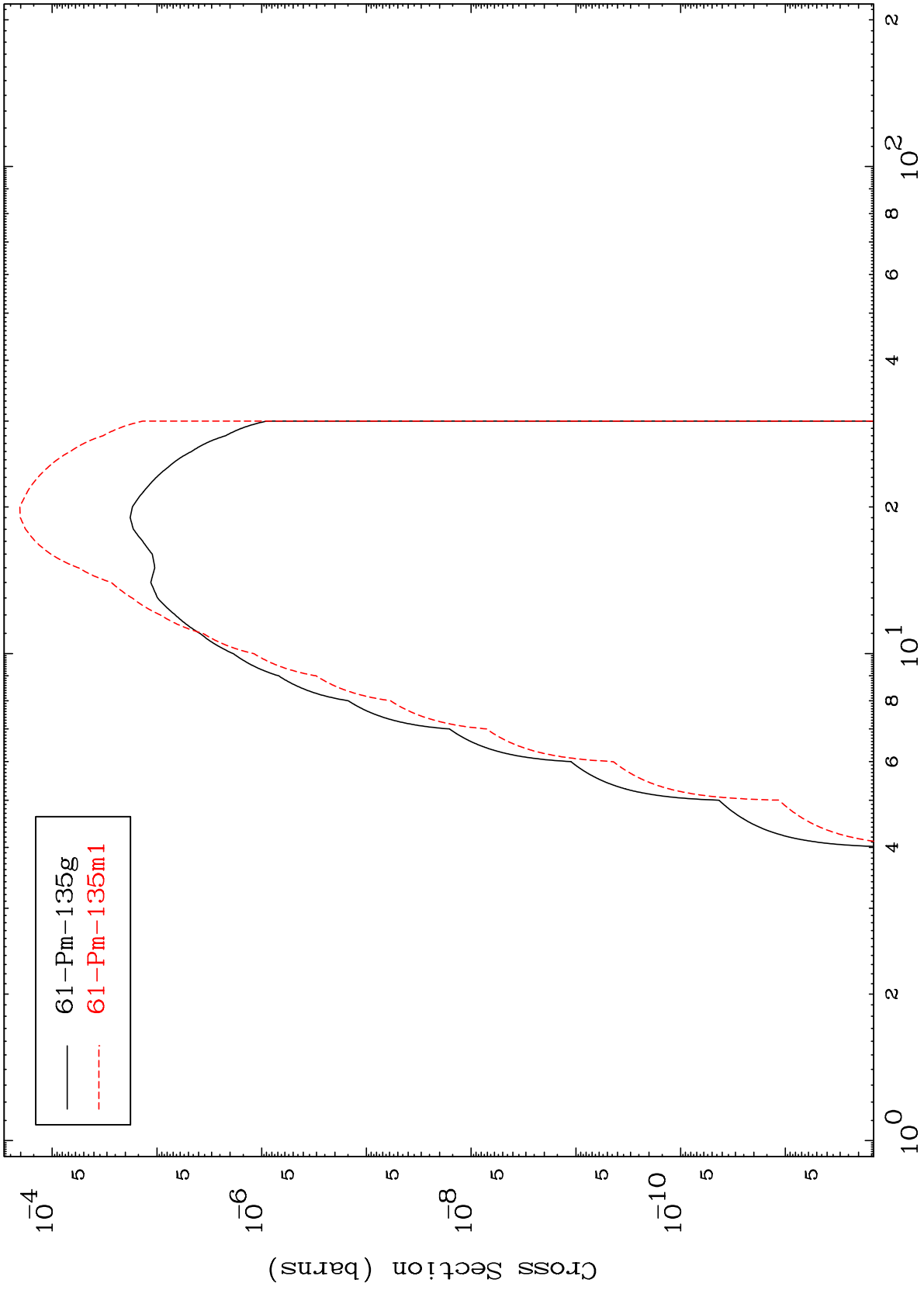
Incident Energy (MeV)

63-Eu-139

MAT 6289

63-Eu-139

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



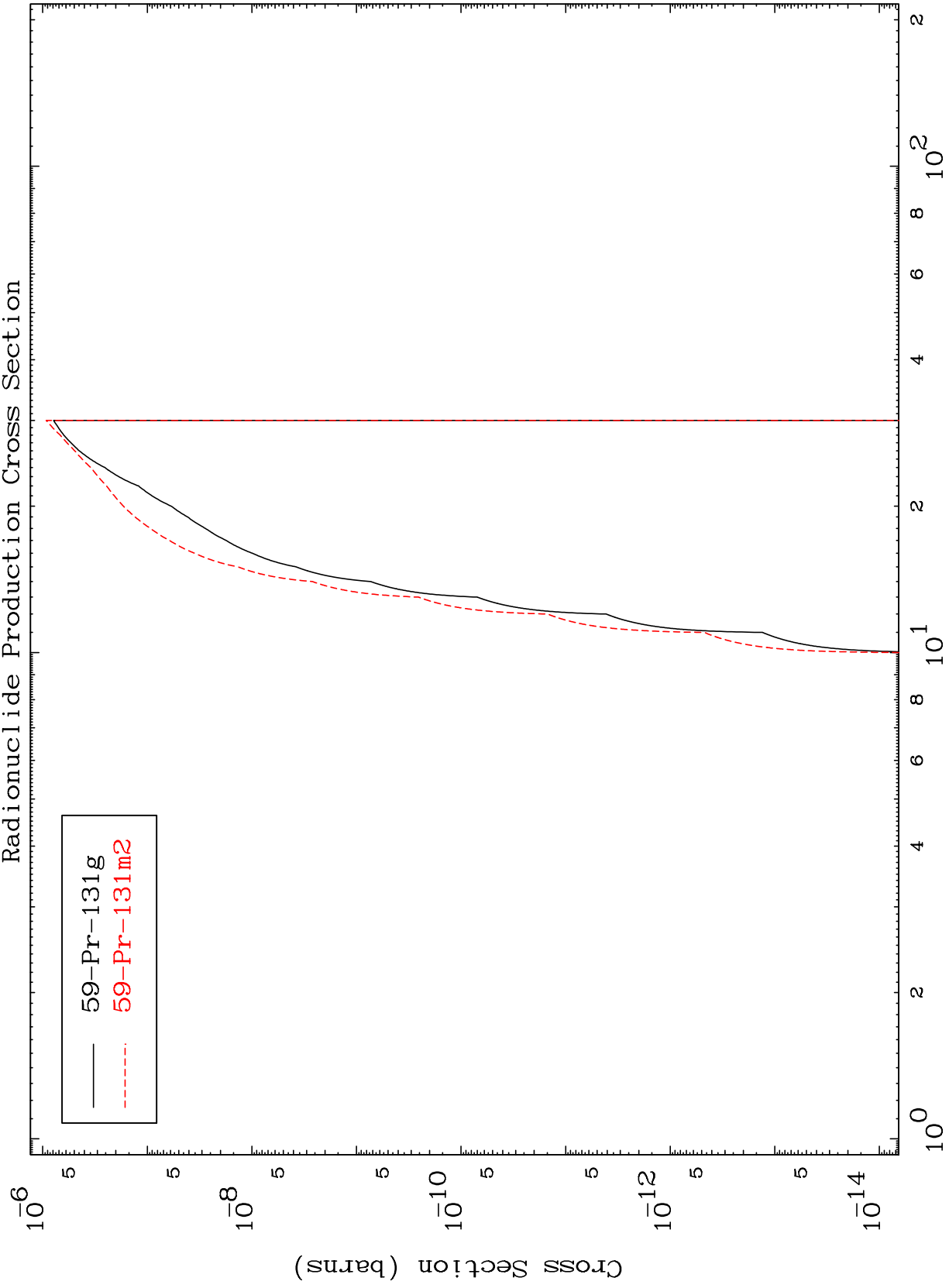
Incident Energy (MeV)

63-Eu-139

MAT 6289

63-Eu-139

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



17

Incident Energy (MeV)

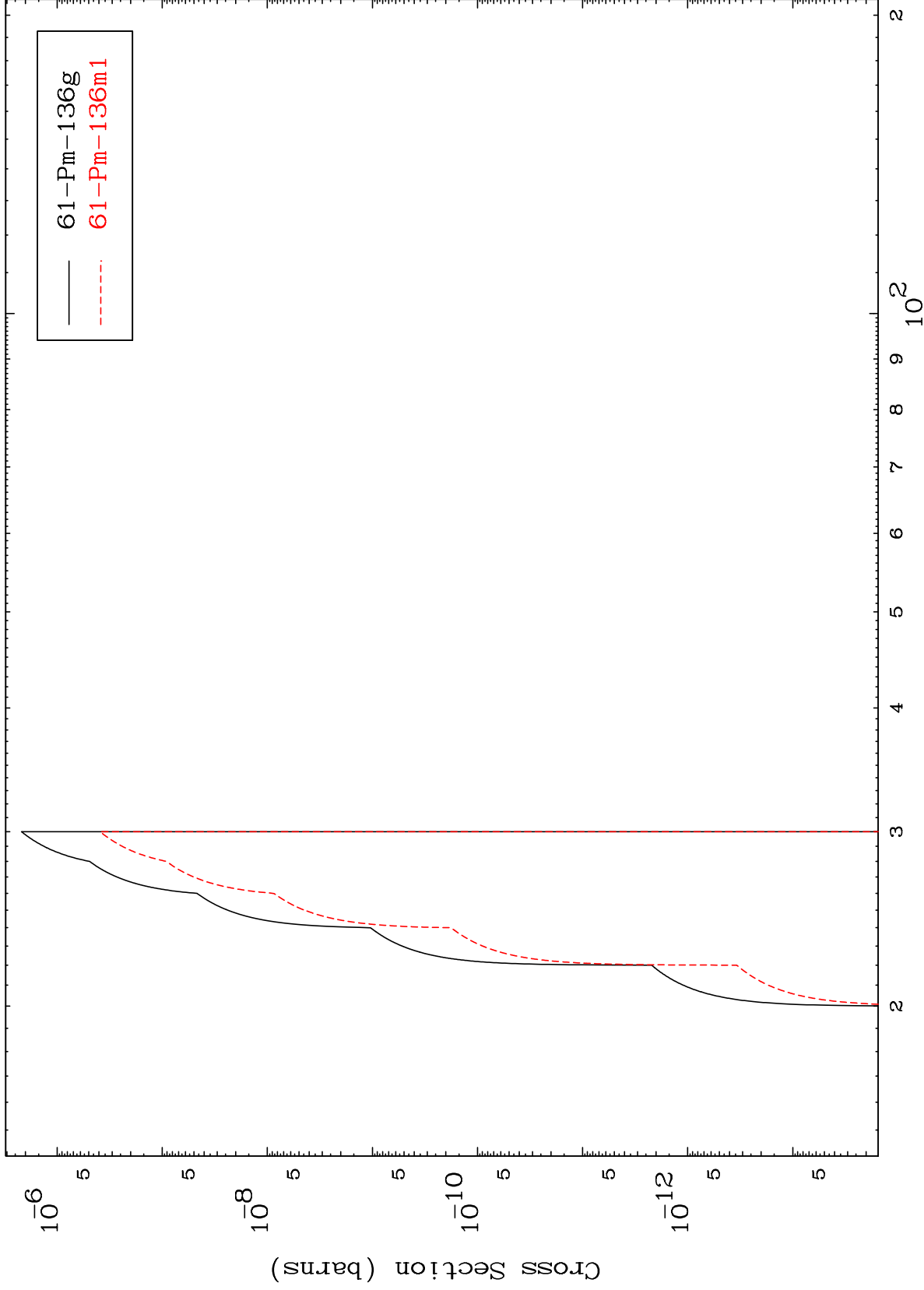
63-Eu-139

MAT 6289

( $\gamma, p$ ) d

63-Eu-139

Radionuclide Production Cross Section



18

Incident Energy (MeV)

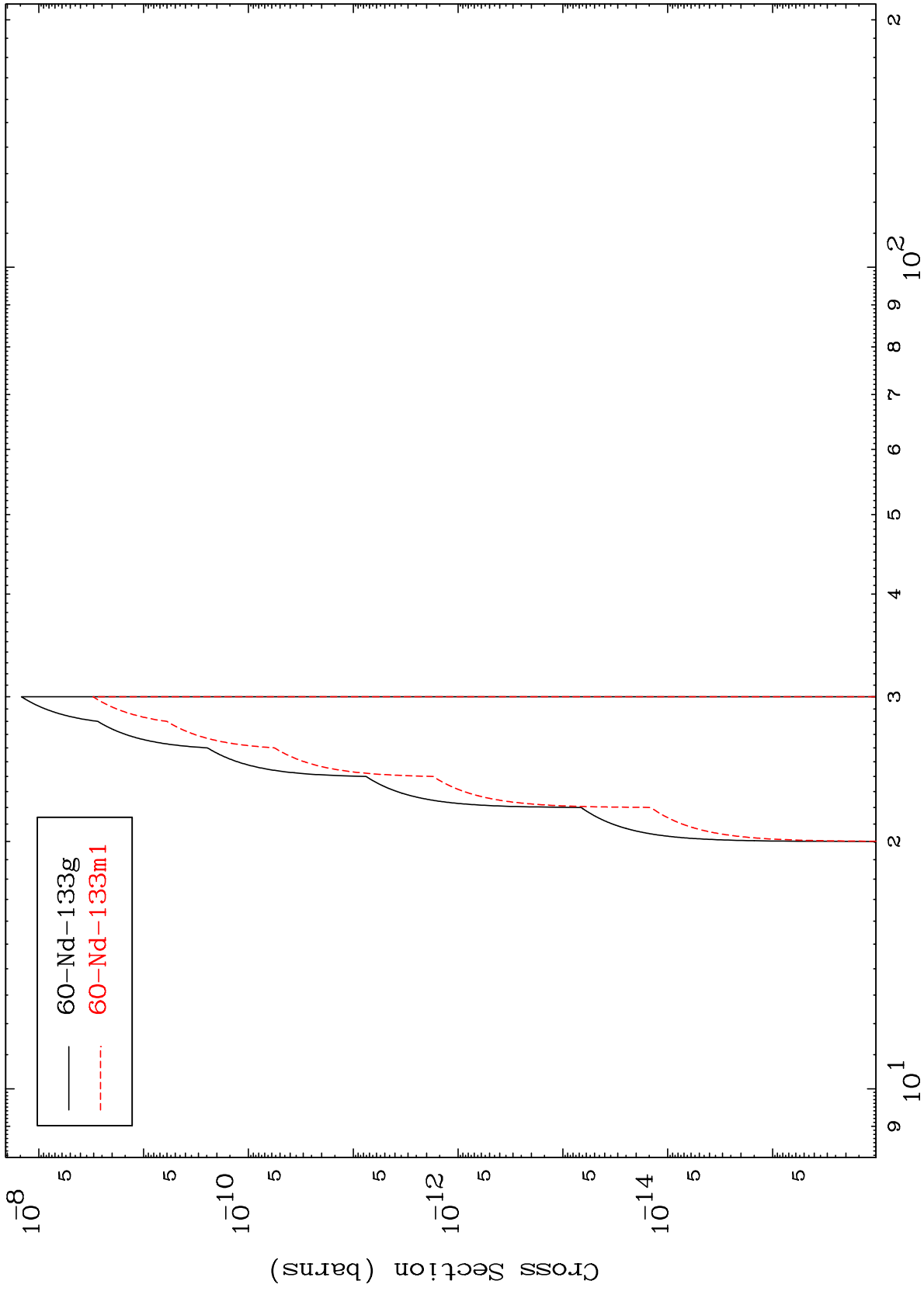
63-Eu-139

MAT 6289

( $\gamma, d$ )  $\alpha$

63-Eu-139

Radionuclide Production Cross Section



19

Incident Energy (MeV)

63-Eu-139