

Program EVALPLOT  
(Version 2017-1)

by

Dermott E. Cullen  
(Present Contact Information)

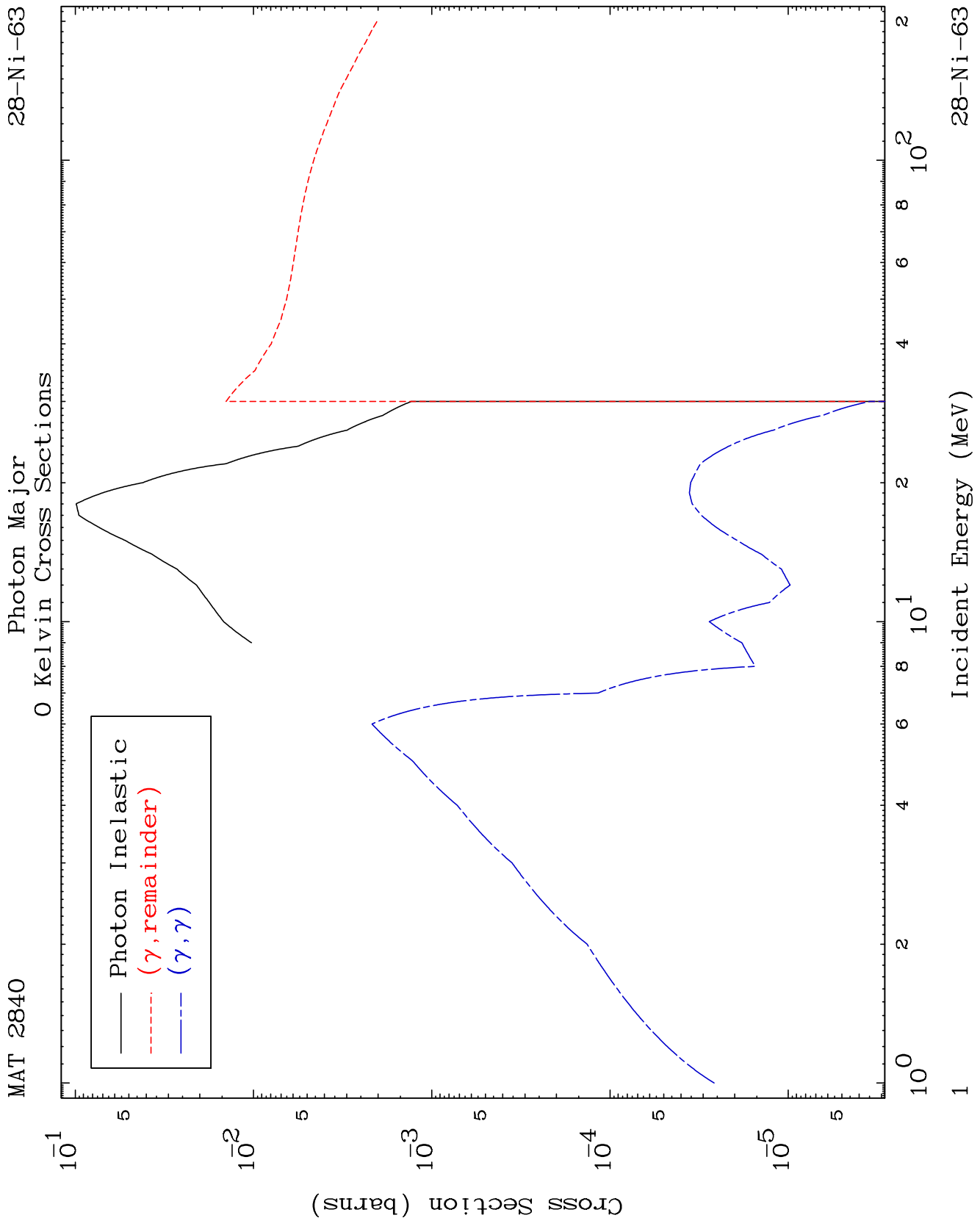
Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

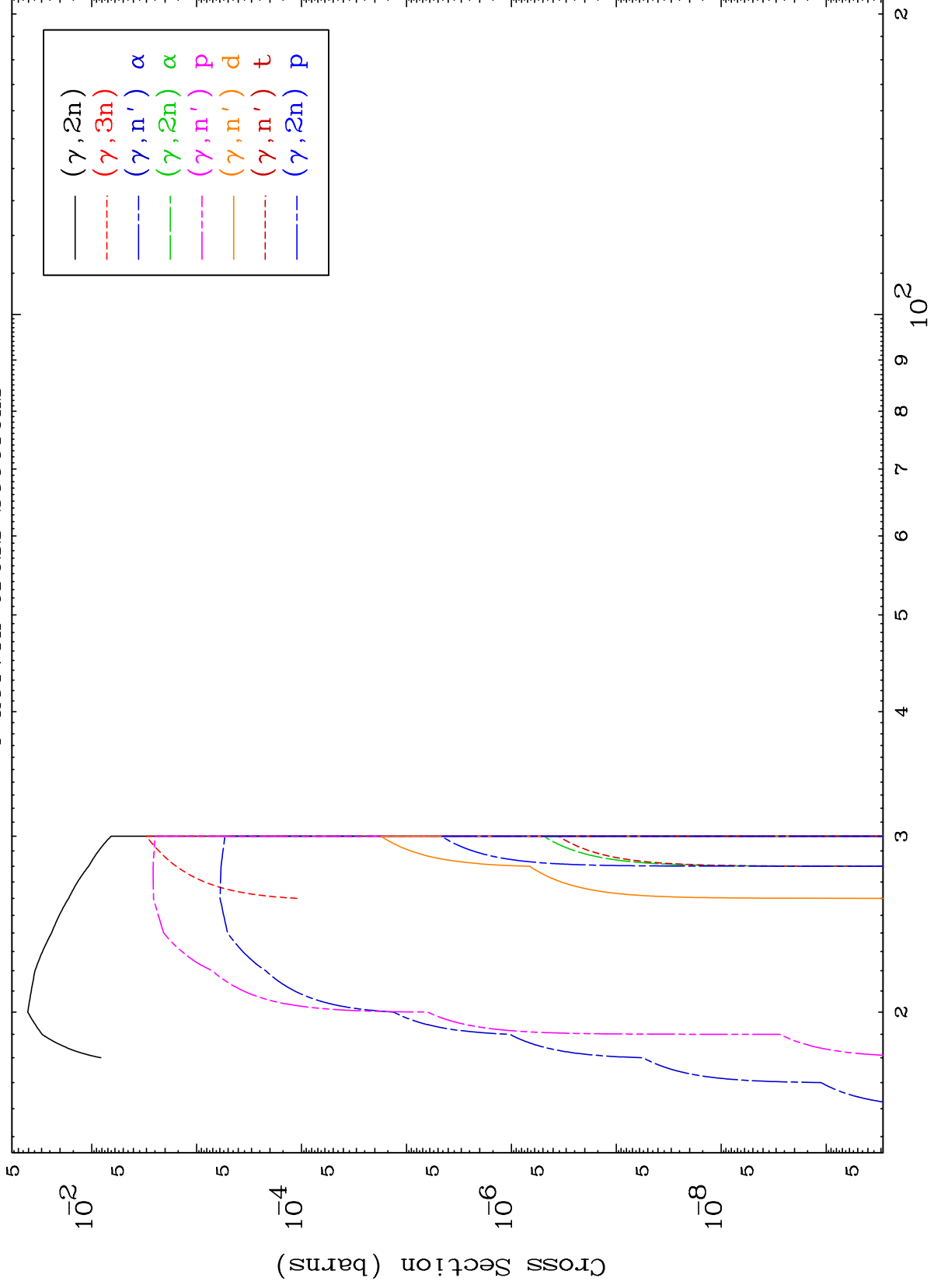
Press Mouse Button to Start



MAT 2840

Photon Neutron Production  
0 Kelvin Cross Sections

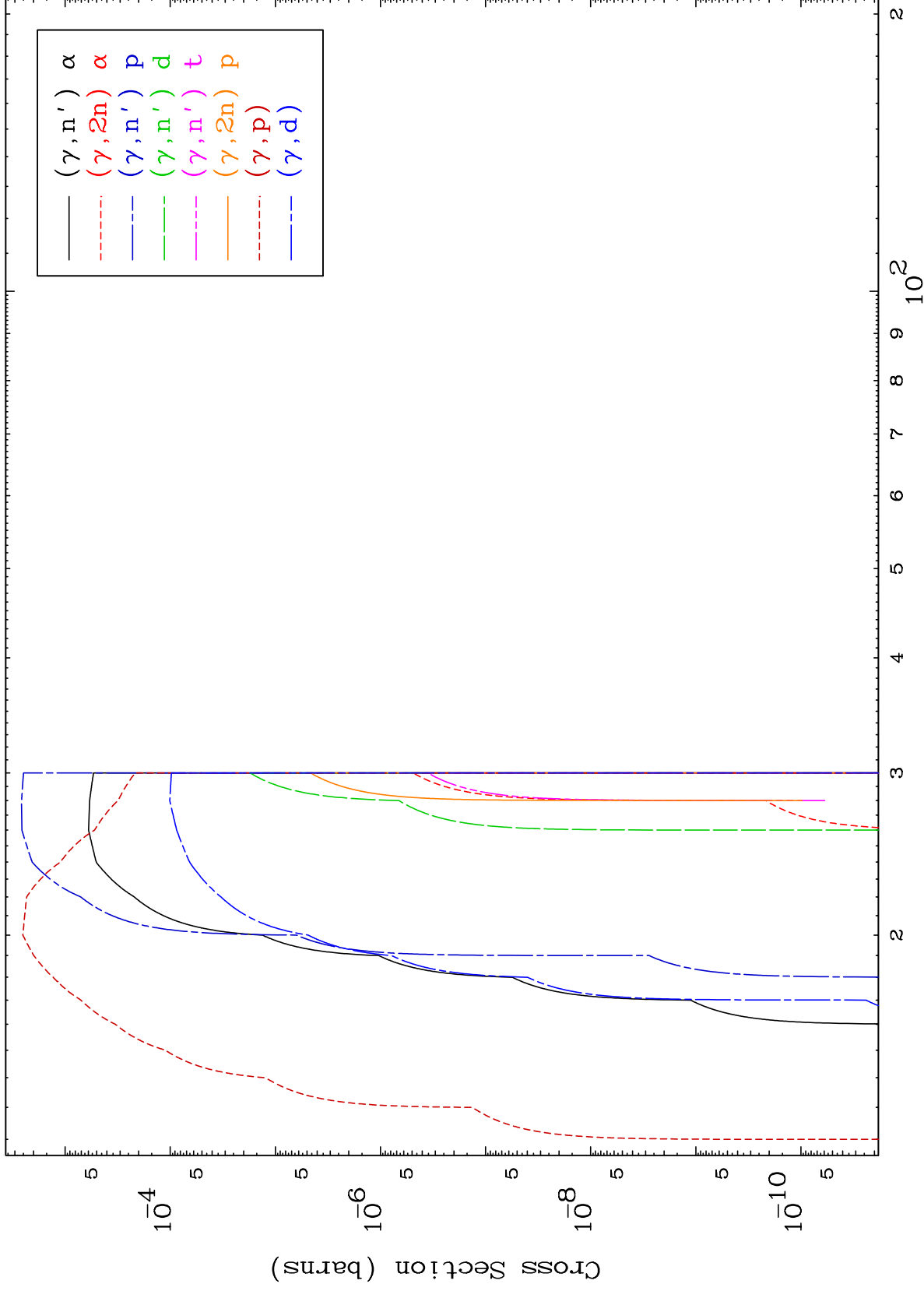
28-Ni-63



2

Incident Energy (MeV)

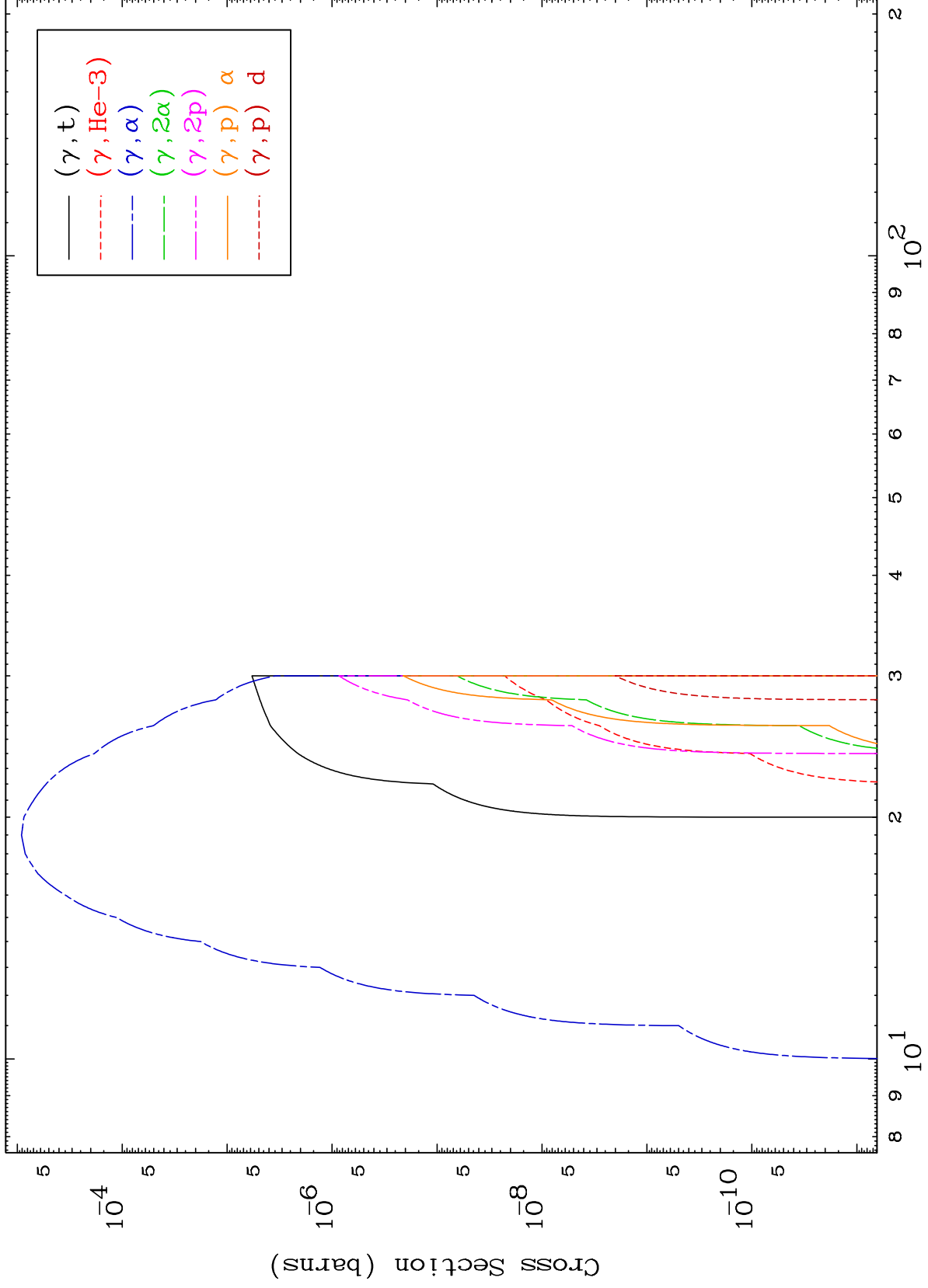
28-Ni-63



MAT 2840

Photon Charged Particle  
0 Kelvin Cross Sections

28-Ni-63



4

Incident Energy (MeV)

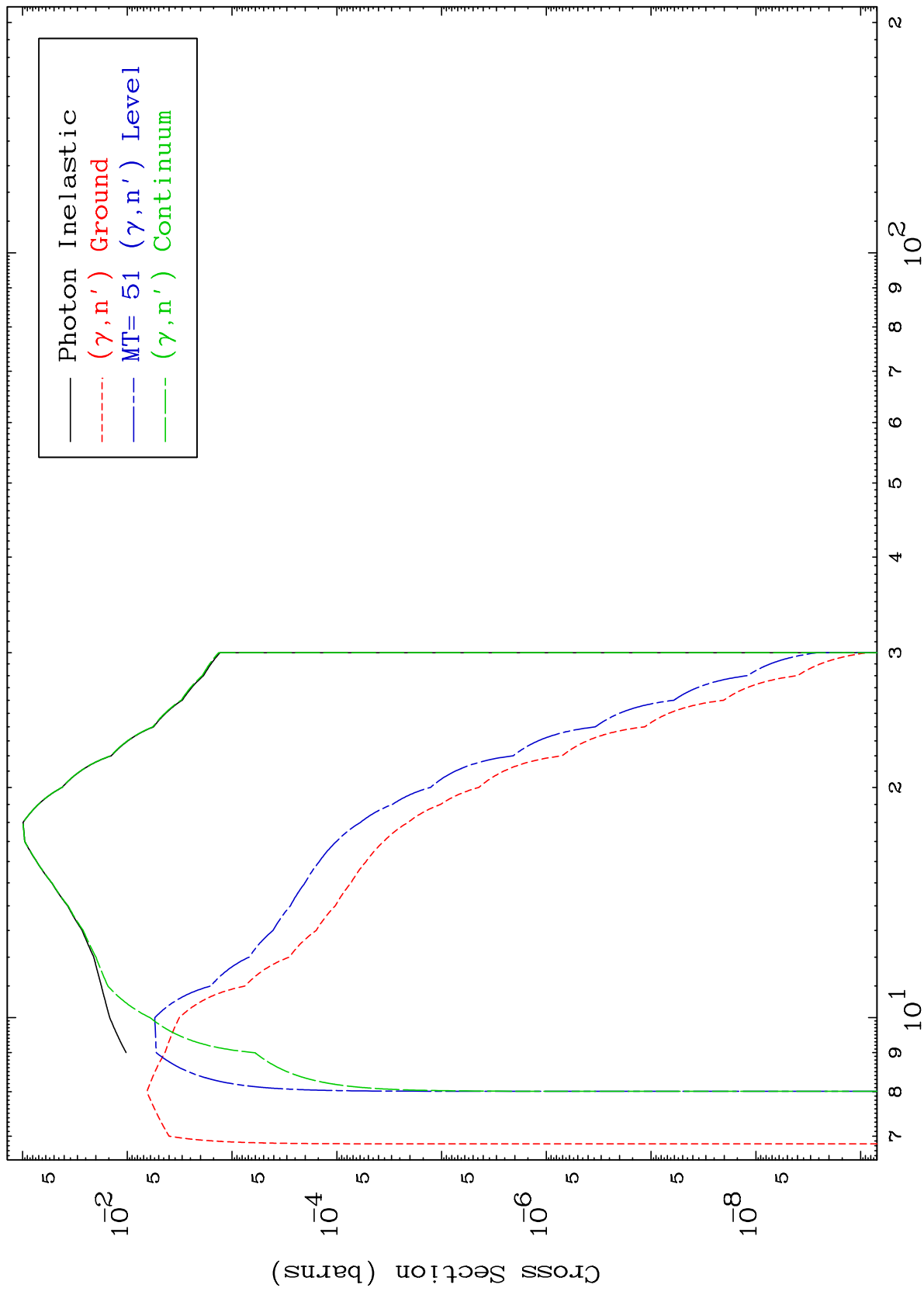
28-Ni-63

MAT 2840

$(\gamma, n')$  Level

28-Ni-63

0 Kelvin Cross Sections



5

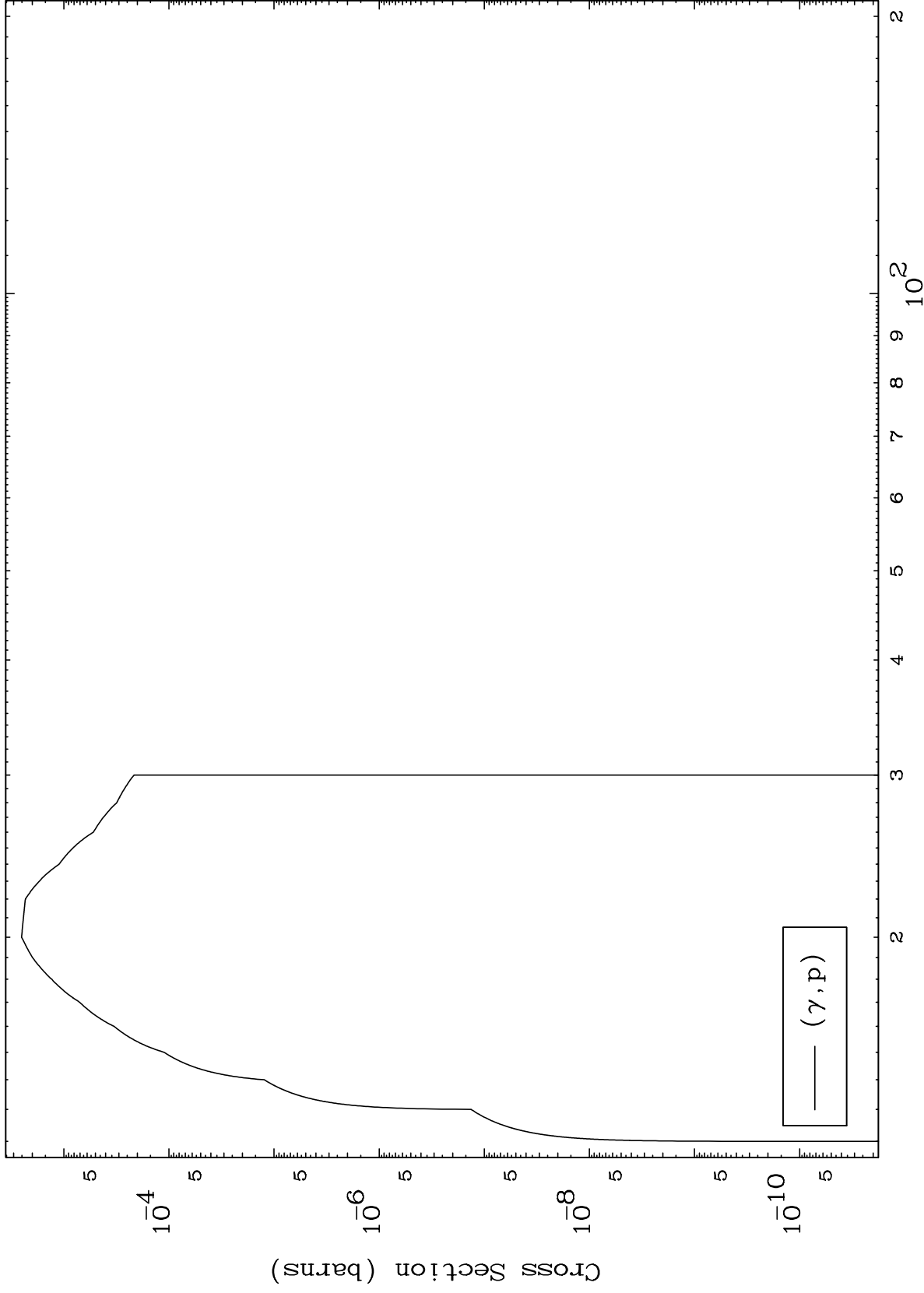
Incident Energy (MeV)

28-Ni-63

MAT 2840

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

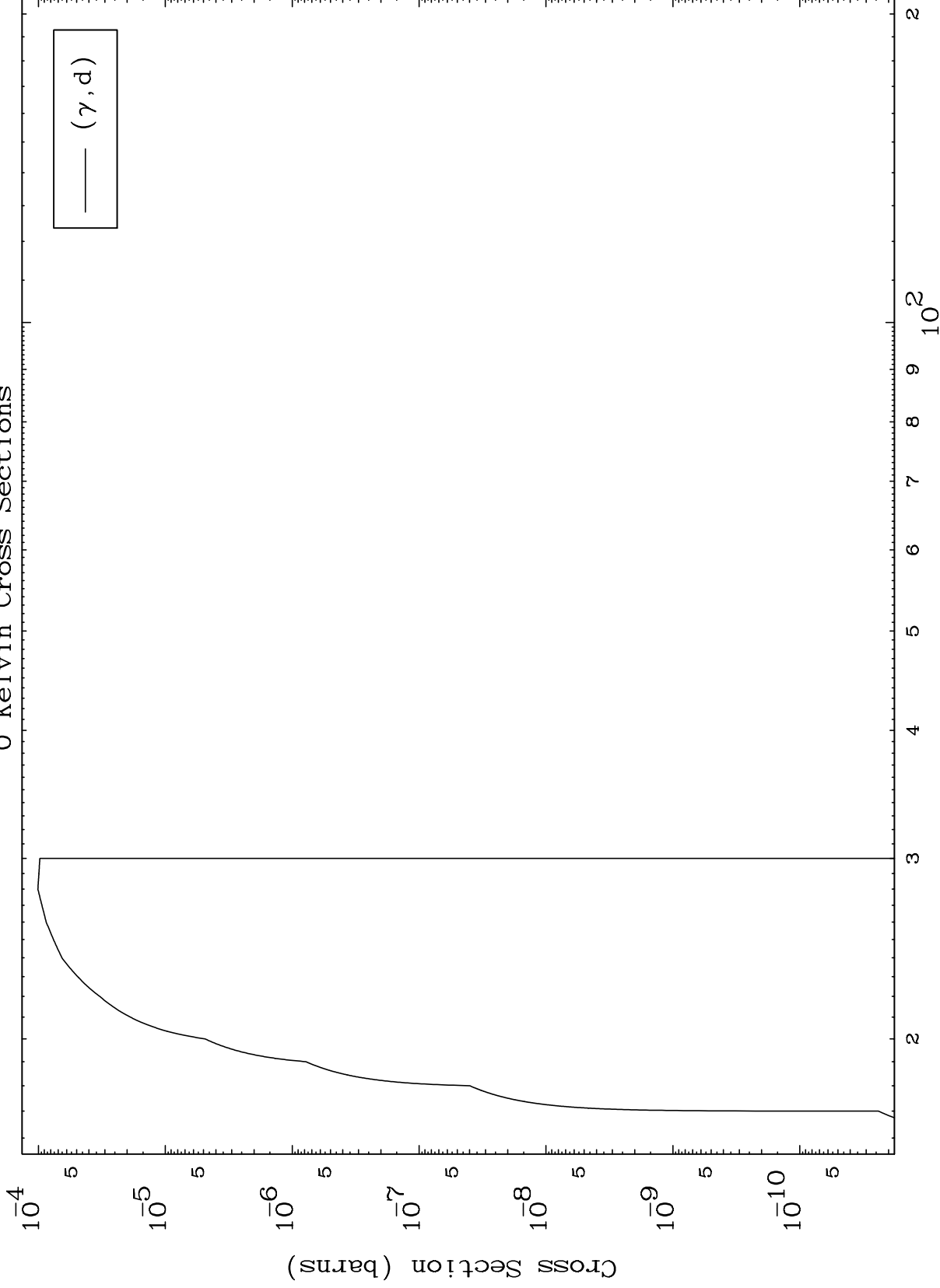
28-Ni-63



MAT 2840

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

28-Ni-63



7

Incident Energy (MeV)

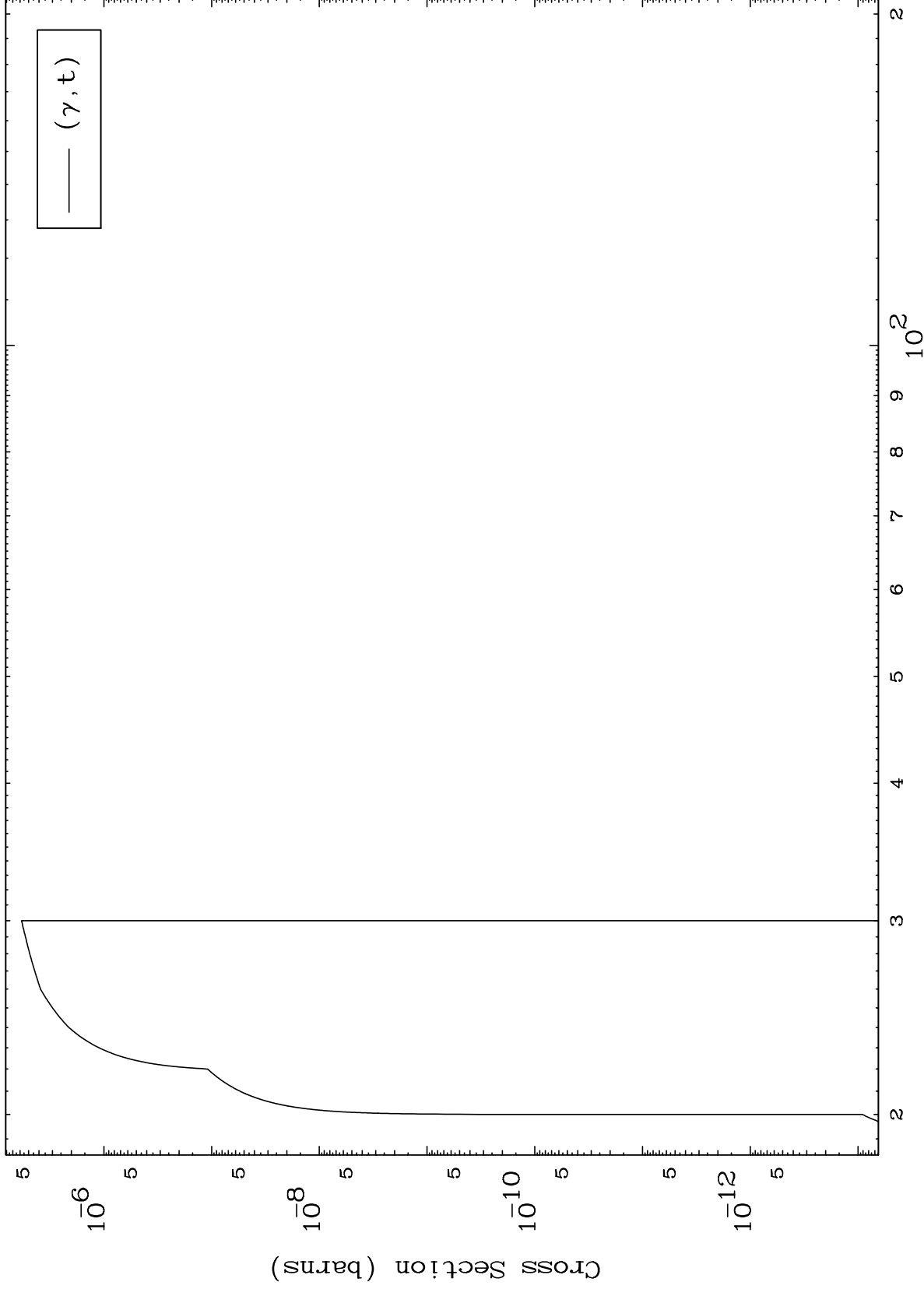
28-Ni-63



MAT 2840

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

28-Ni-63



8

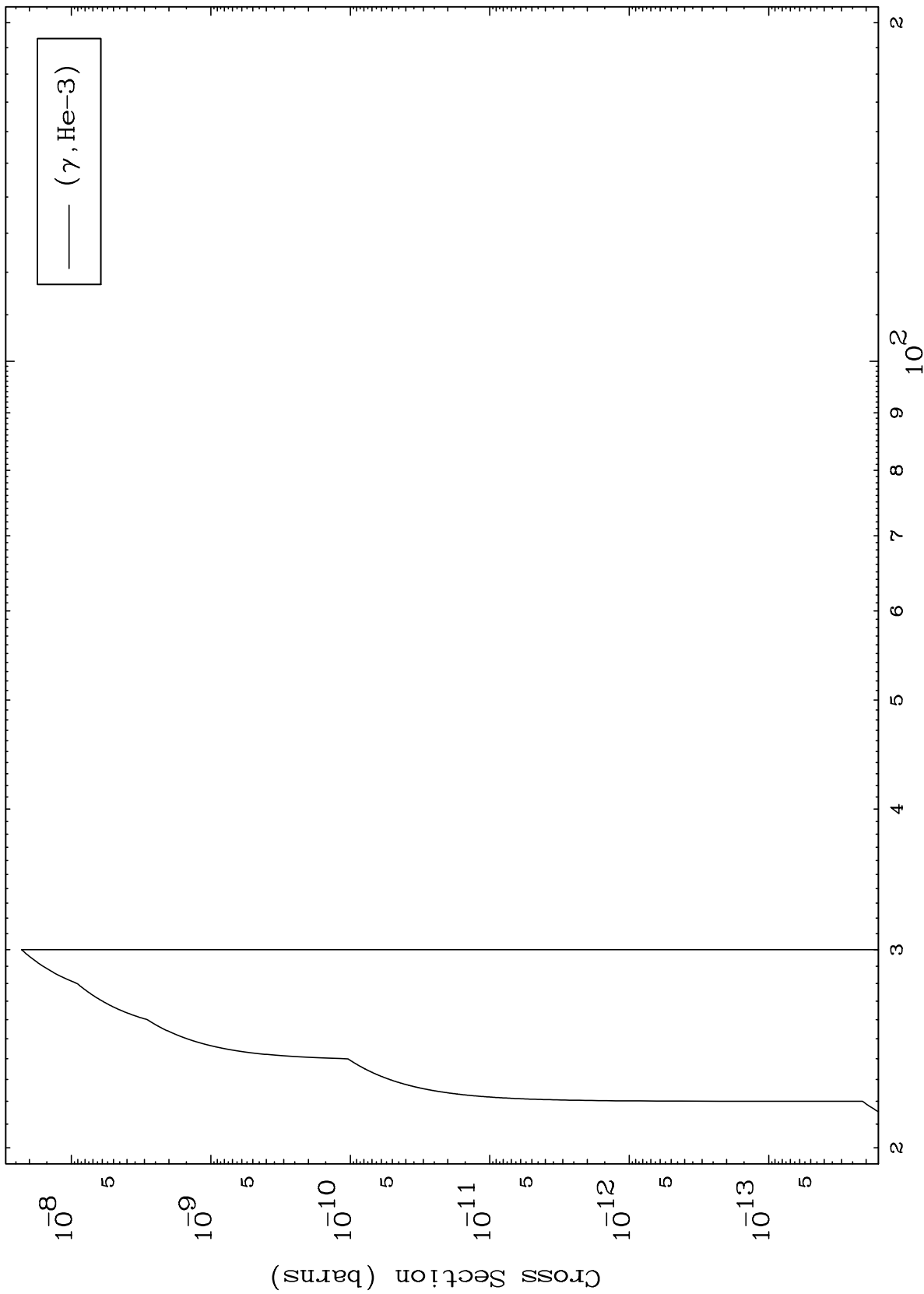
Incident Energy (MeV)

28-Ni-63

MAT 2840

28-Ni-63

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



28-Ni-63

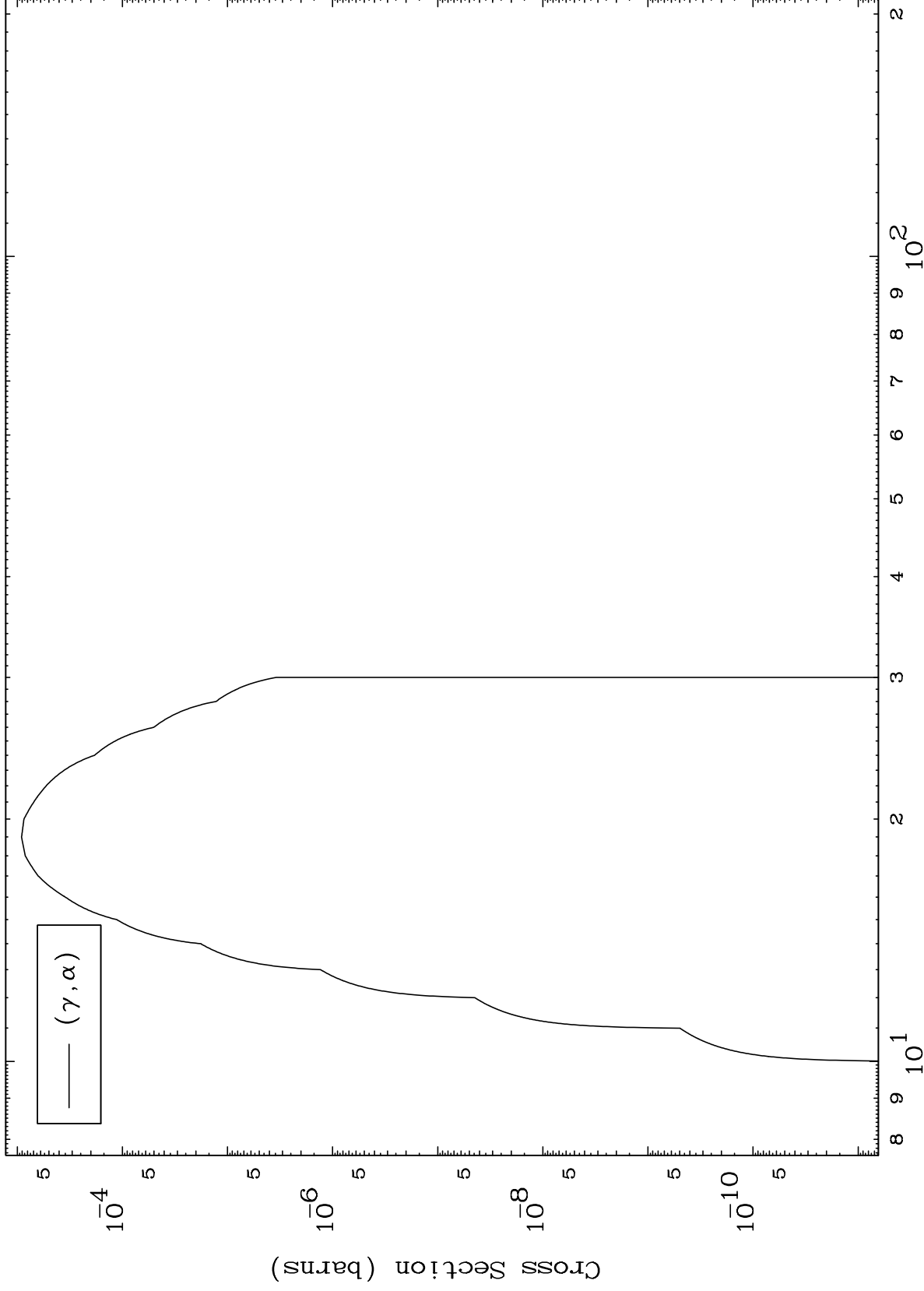
Incident Energy (MeV)

9

MAT 2840

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

28-Ni-63



10

Incident Energy (MeV)

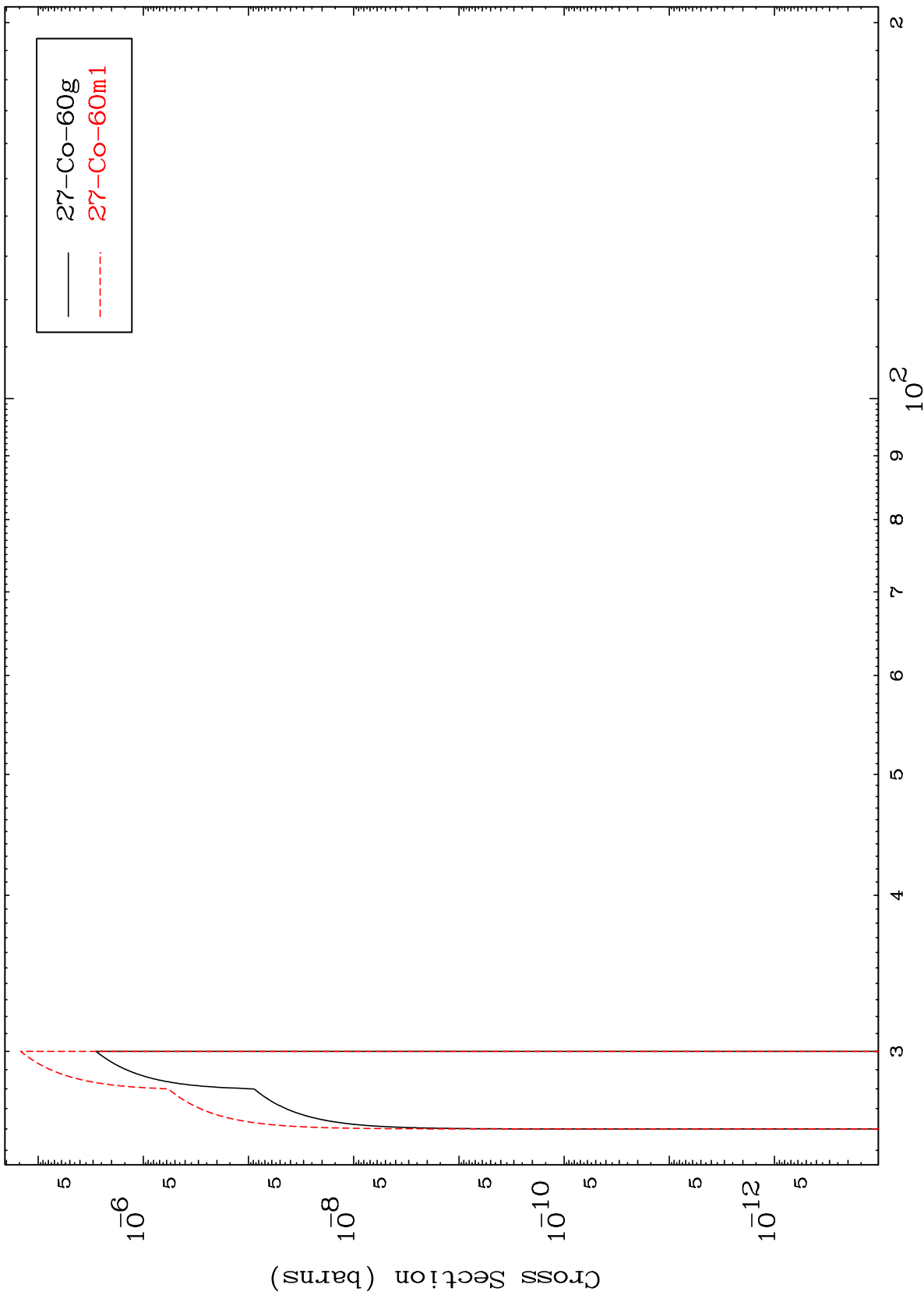
28-Ni-63

MAT 2840

$(\gamma, n')$  d

<sup>28</sup>Ni-63

Radionuclide Production Cross Section



11

Incident Energy (MeV)

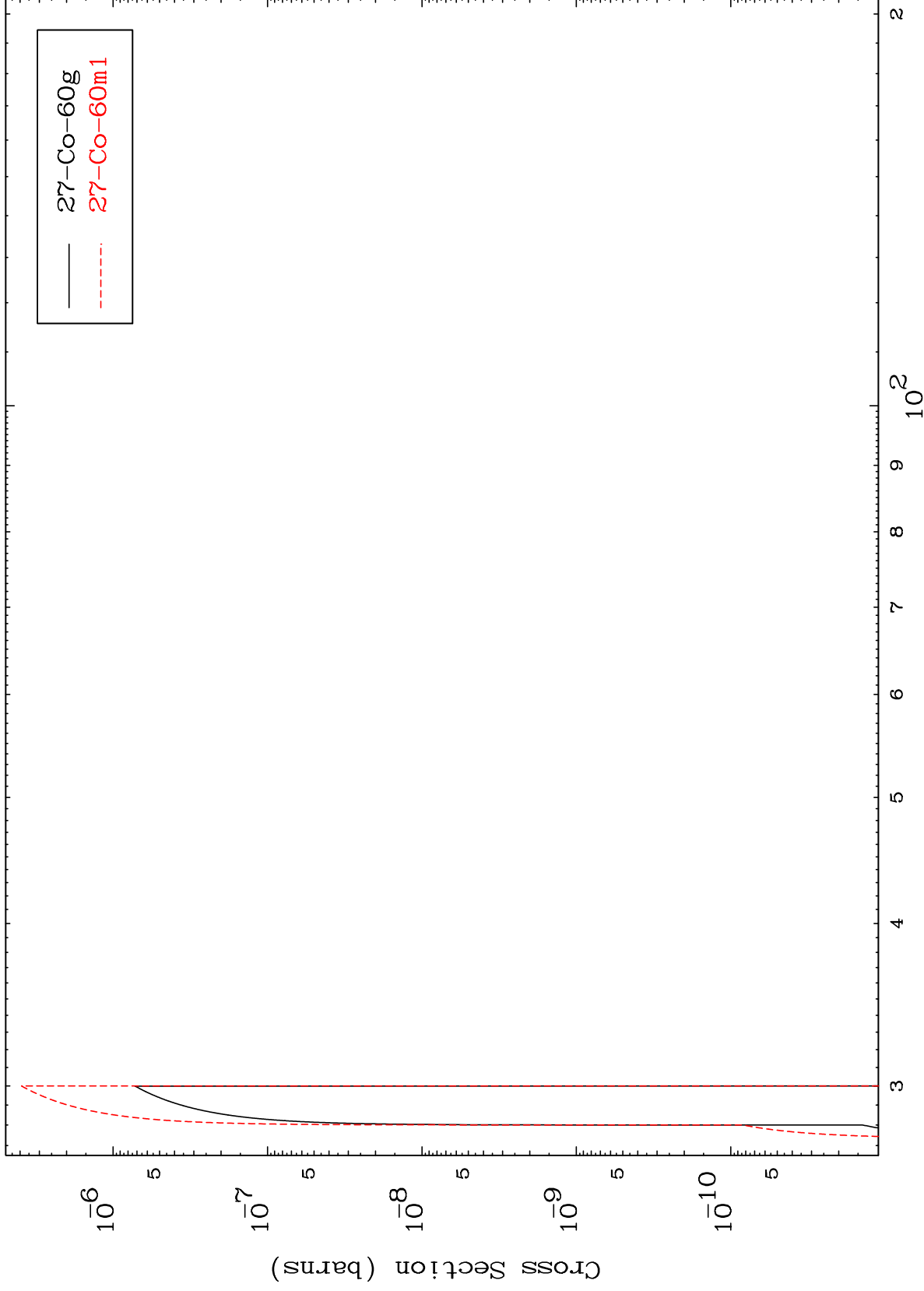
<sup>28</sup>Ni-63

MAT 2840

$(\gamma, 2n)$  p

28-Ni-63

Radionuclide Production Cross Section



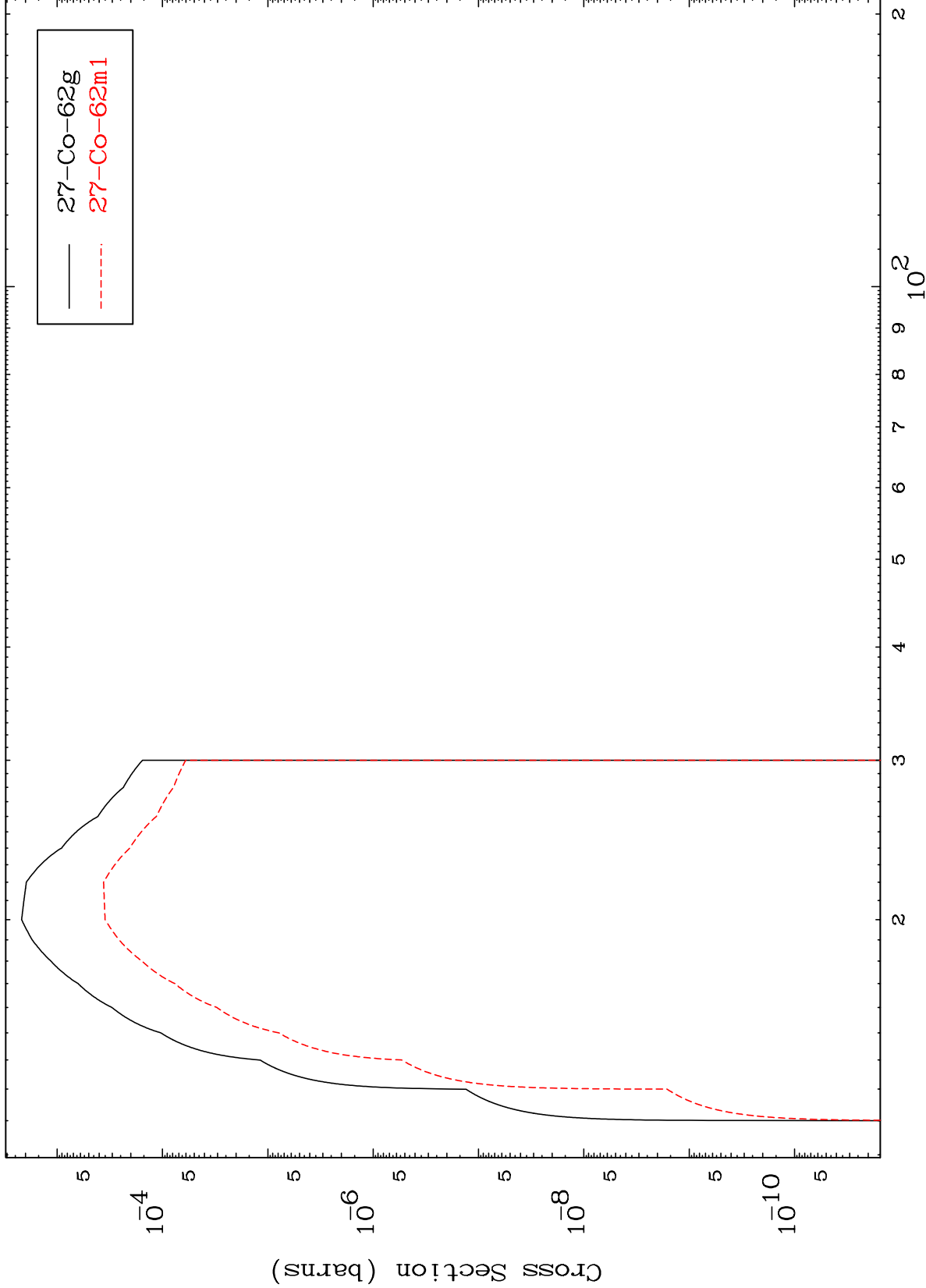
27-Co-60g  
27-Co-60m1

12

Incident Energy (MeV)

28-Ni-63

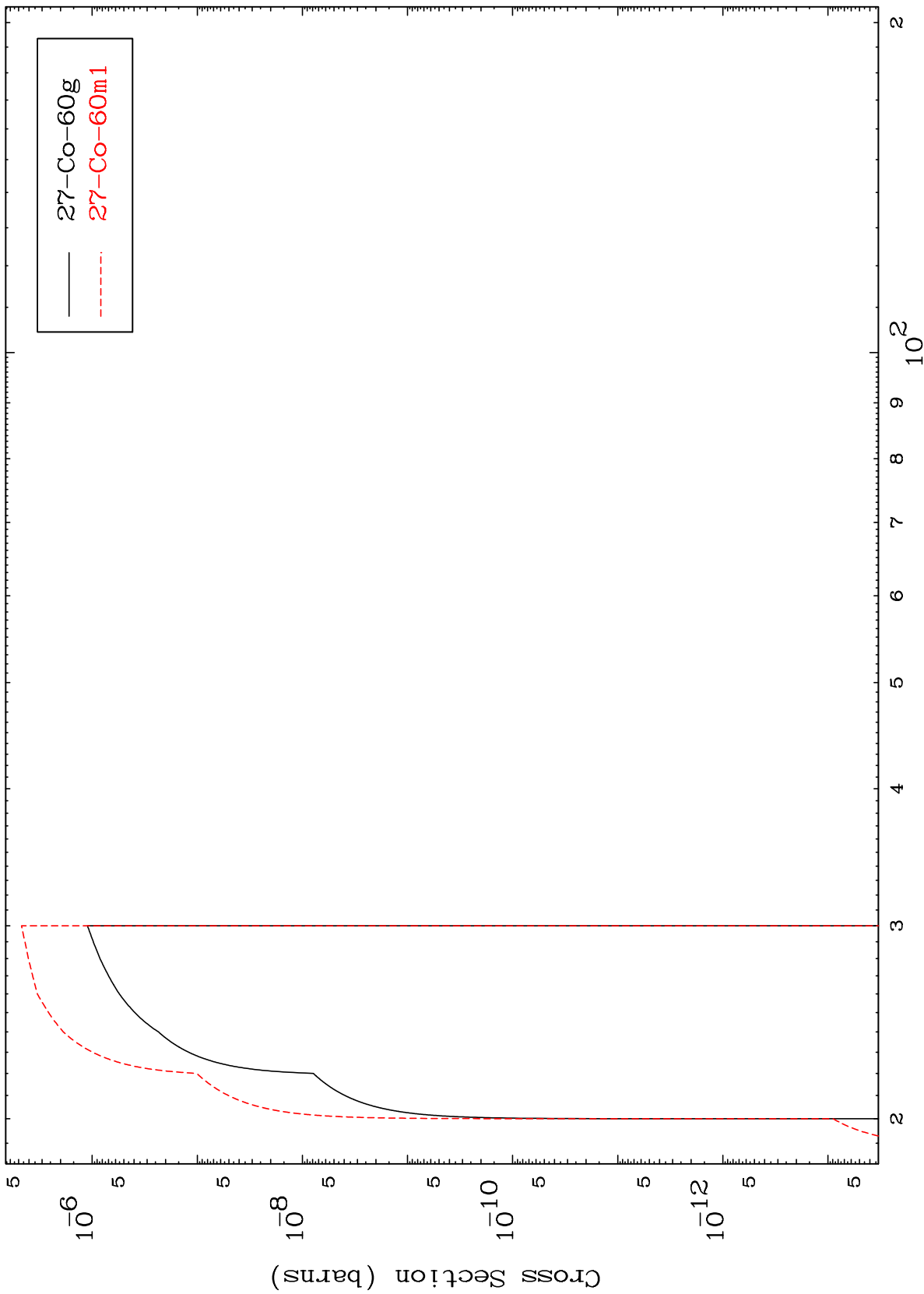
( $\gamma, p$ )  
Radionuclide Production Cross Section



MAT 2840

28-Ni-63

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



28-Ni-63

Incident Energy (MeV)

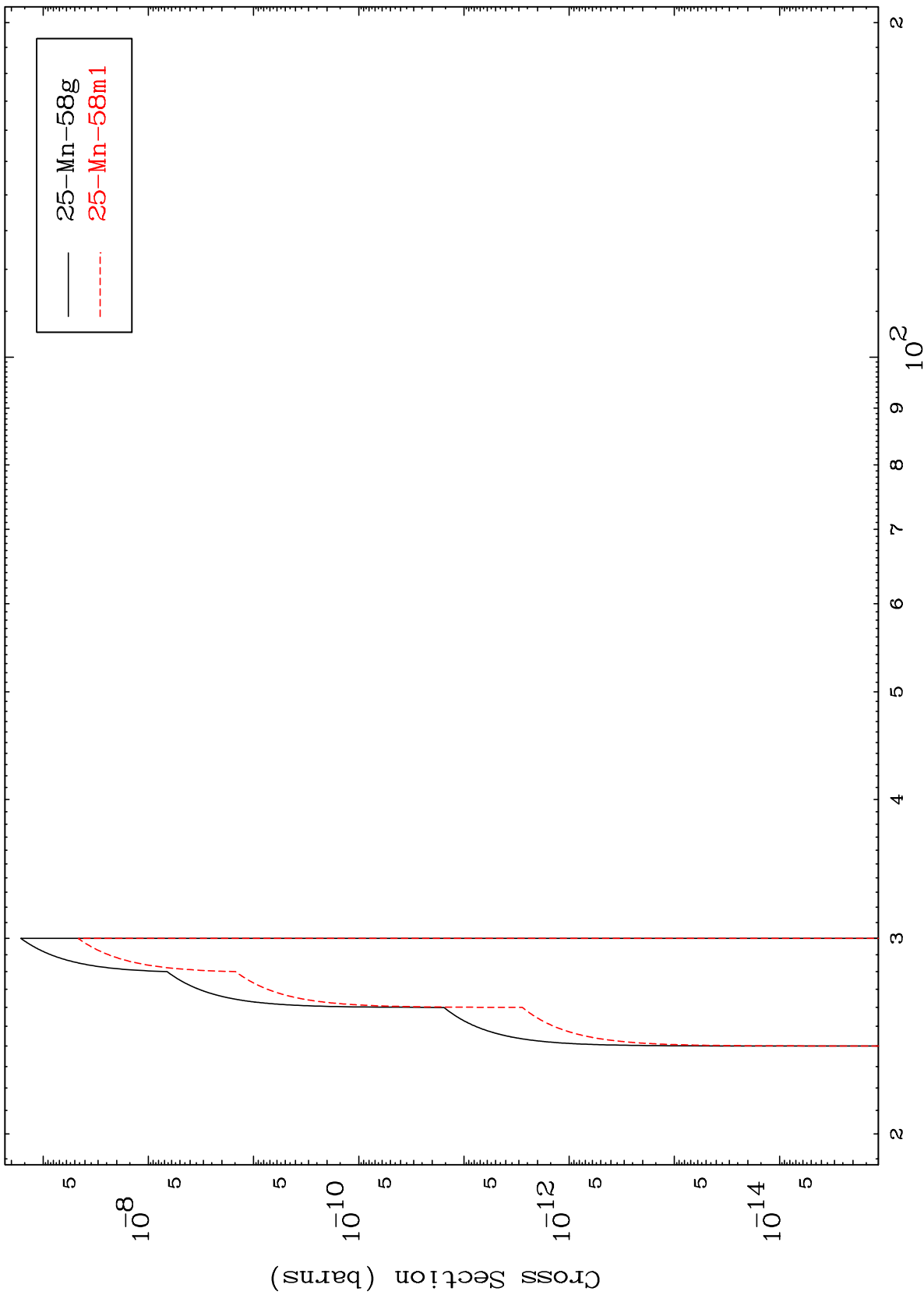
14

MAT 2840

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

28-Ni-63

Radionuclide Production Cross Section



15

Incident Energy (MeV)

28-Ni-63