

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

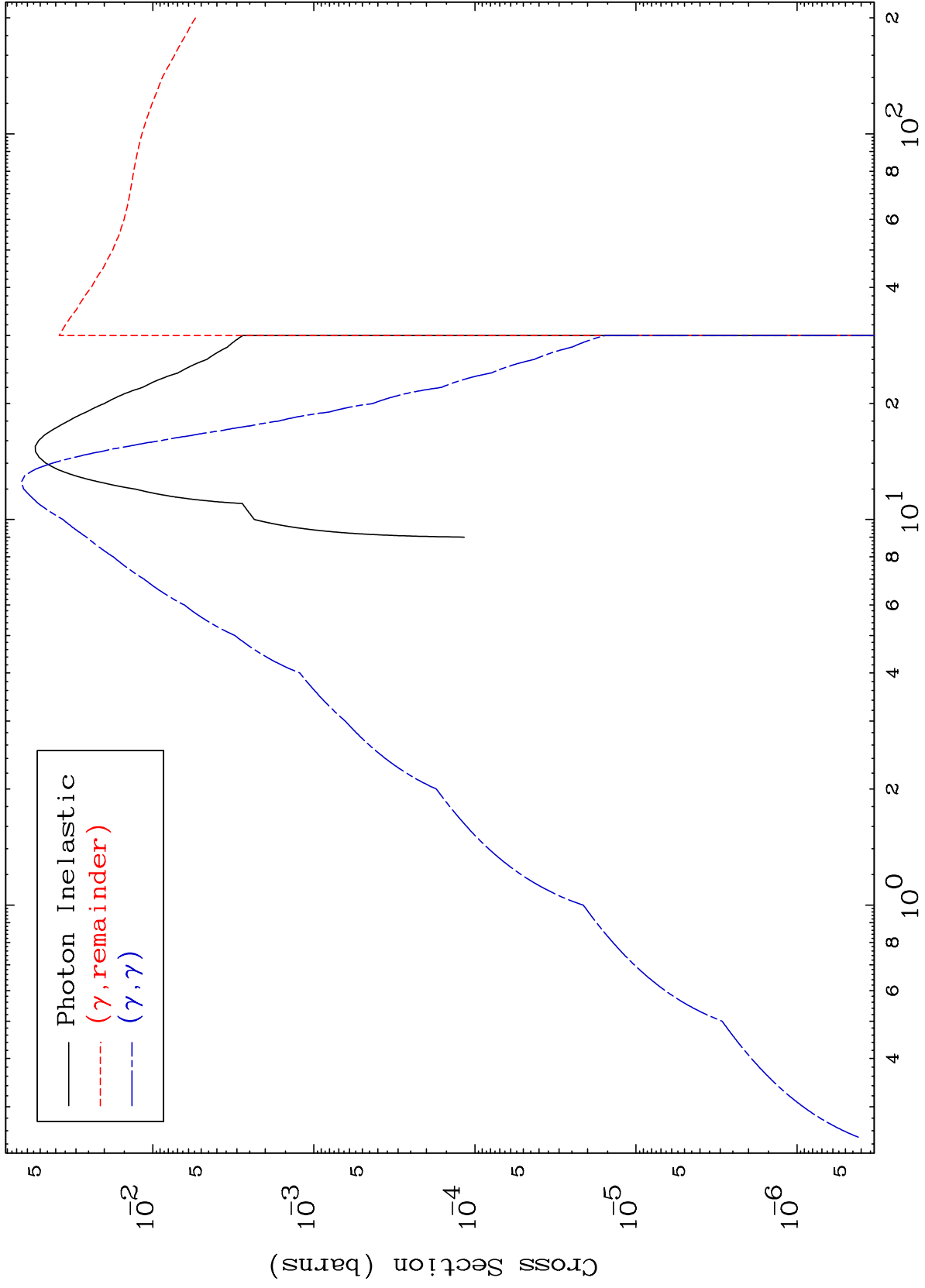
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7974

Photon Major  
0 Kelvin Cross Sections

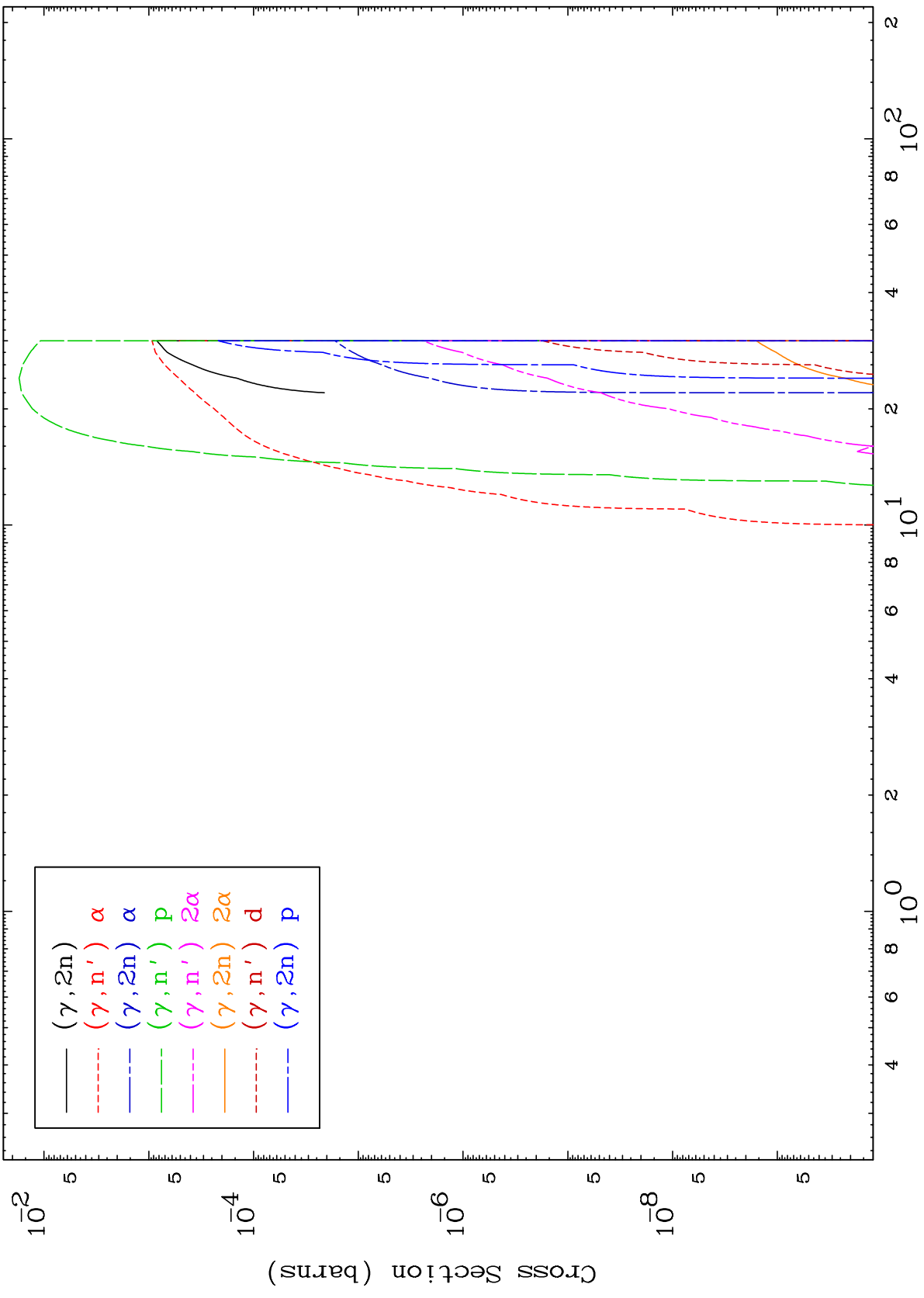
80-Hg-179



MAT 7974

Photon Neutron Production  
0 Kelvin Cross Sections

80-Hg-179

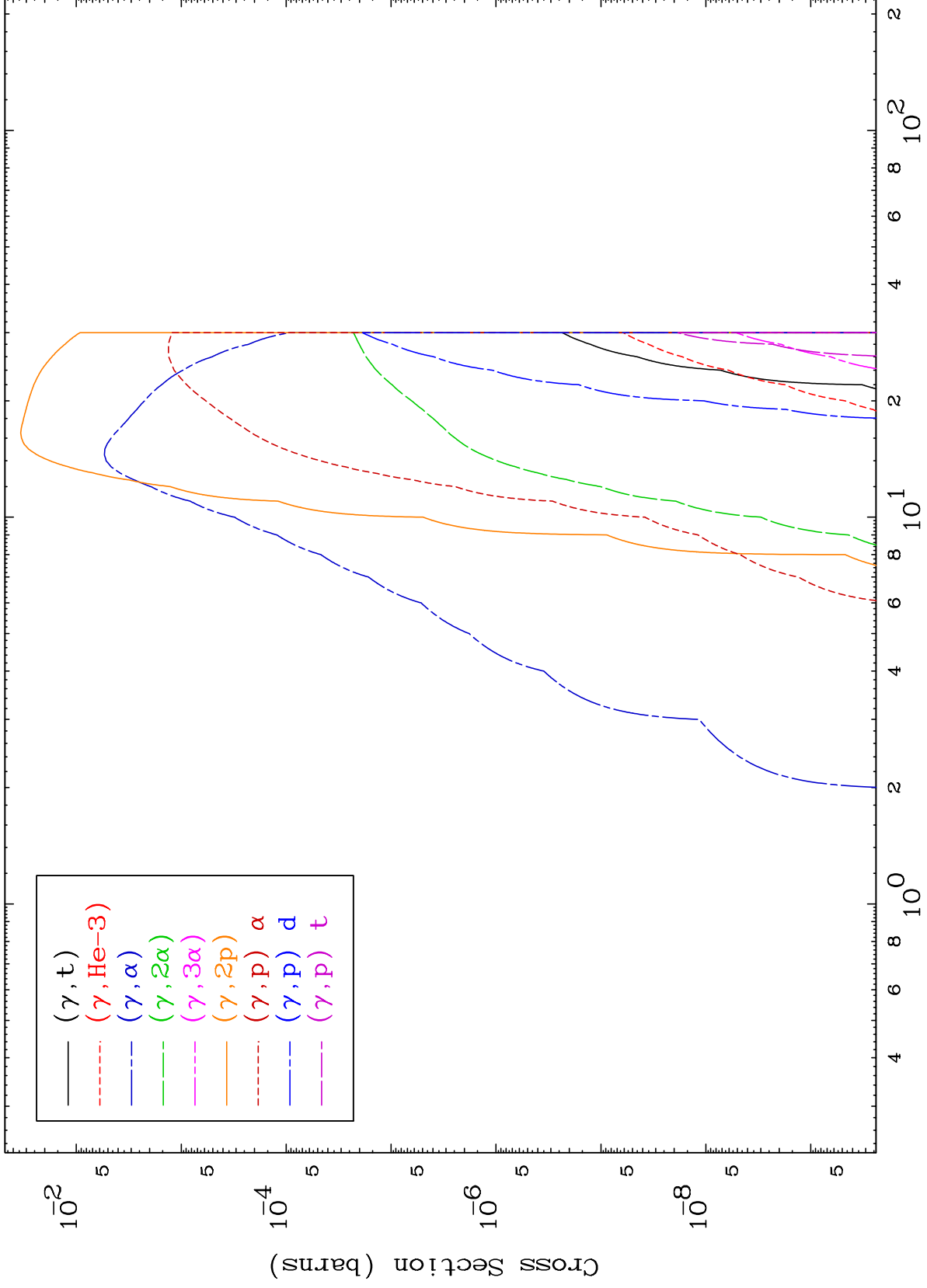




MAT 7974

Photon Charged Particle  
0 Kelvin Cross Sections

80-Hg-179

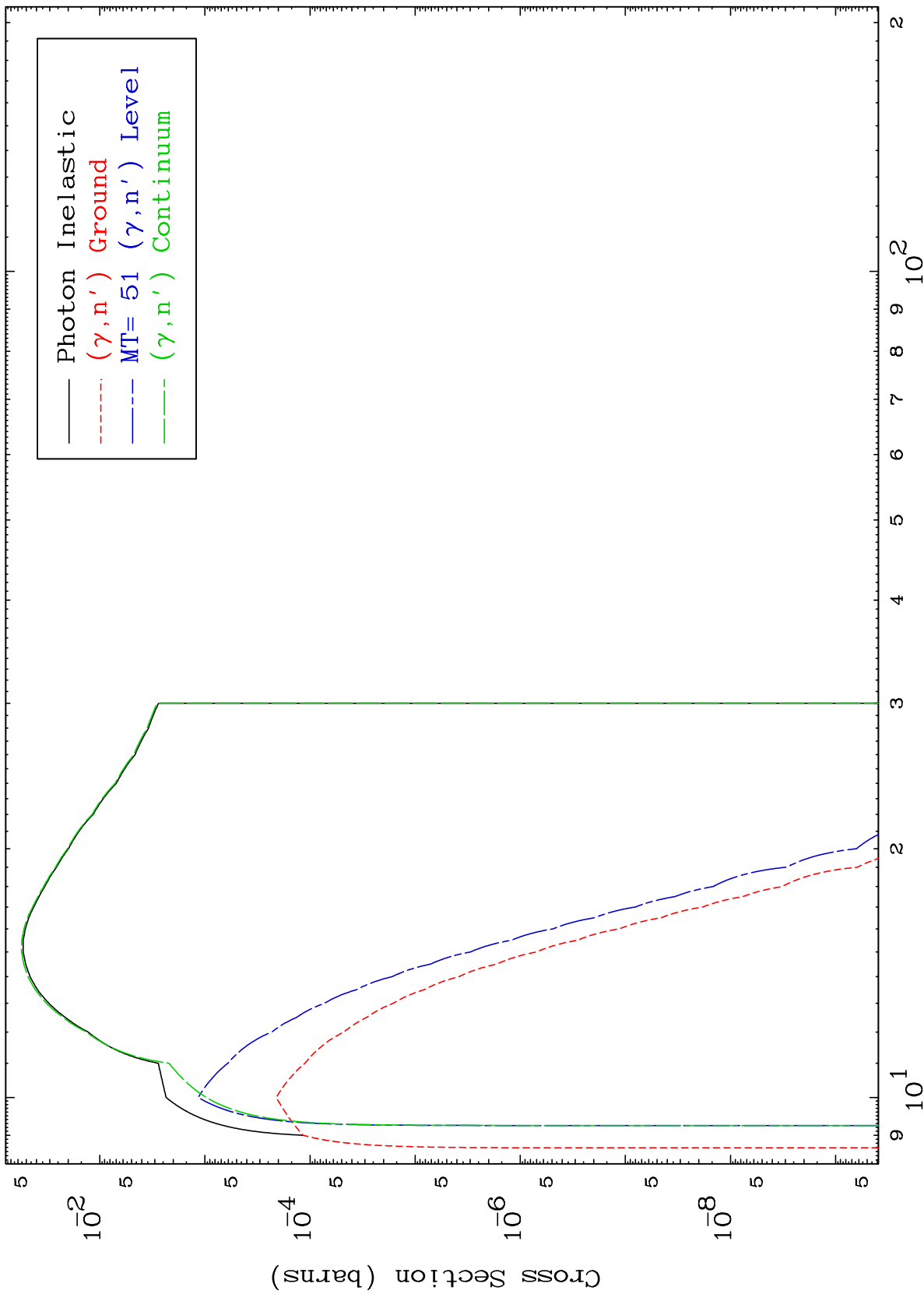


MAT 7974

( $\gamma, n'$ ) Level

80-Hg-179

0 Kelvin Cross Sections



Incident Energy (MeV)

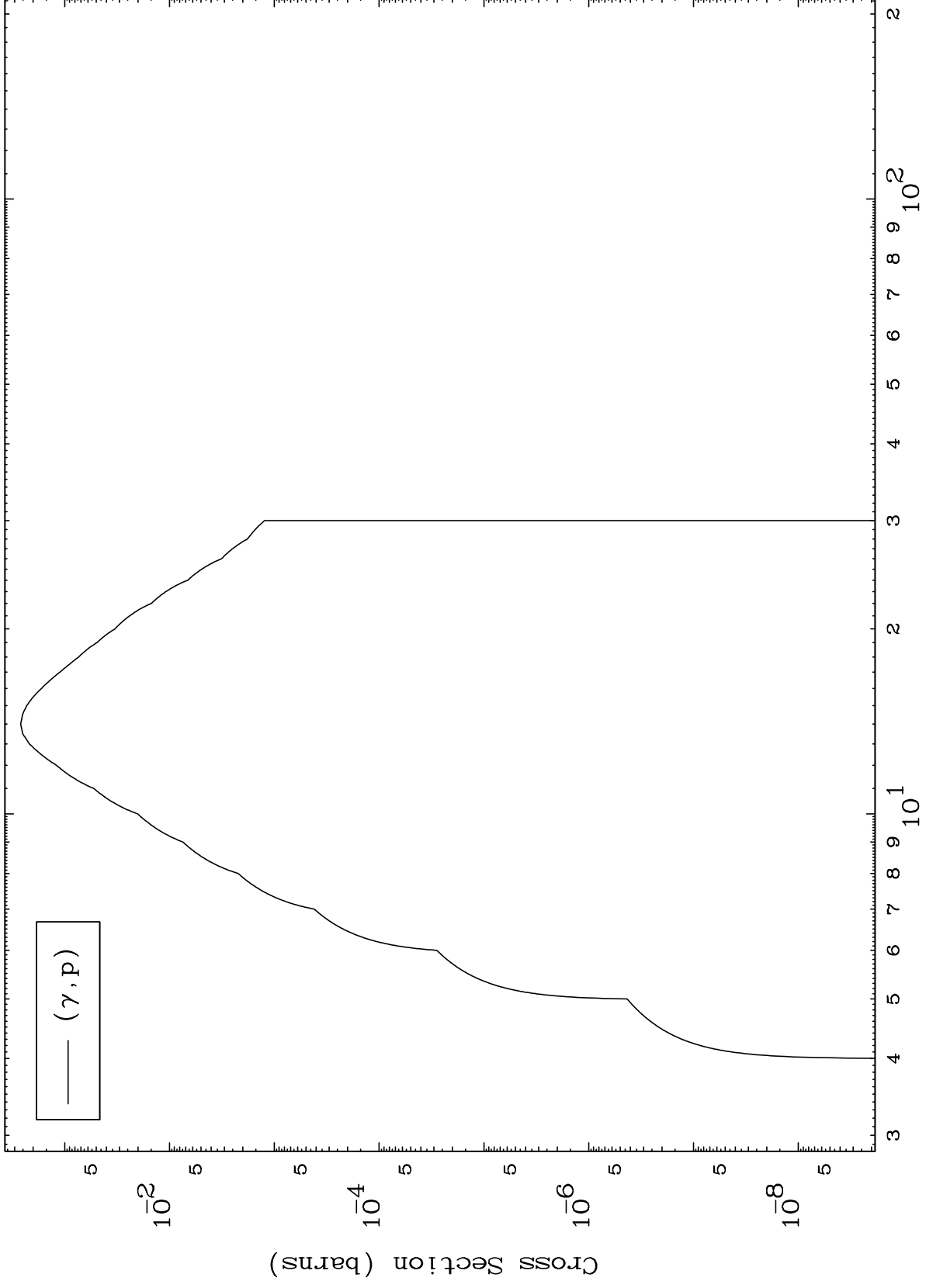
80-Hg-179

MAT 7974

( $\gamma, p$ ) Levels

80-Hg-179

0 Kelvin Cross Sections



Incident Energy (MeV)

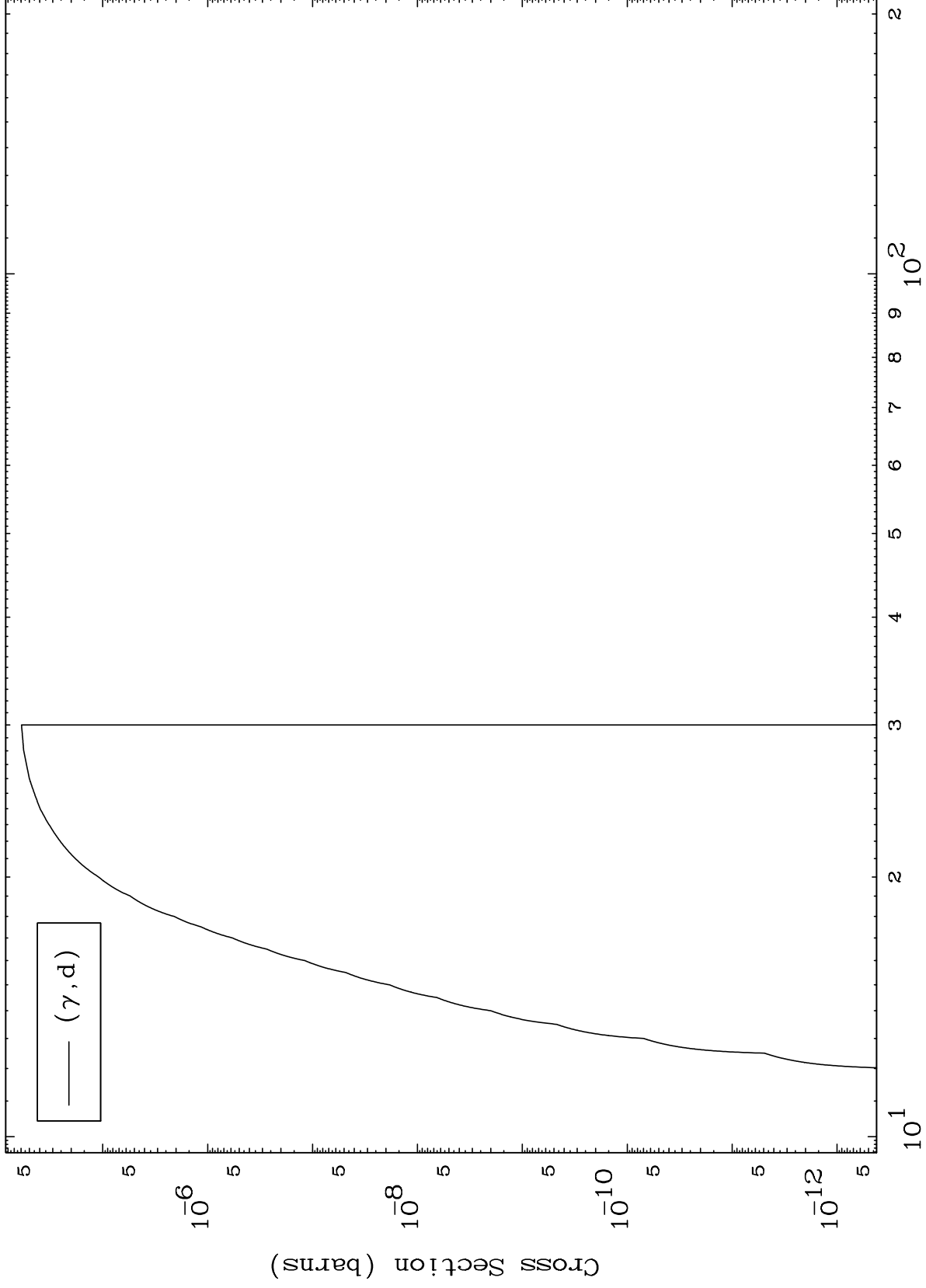
80-Hg-179

6

MAT 7974

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

80-Hg-179



Incident Energy (MeV)

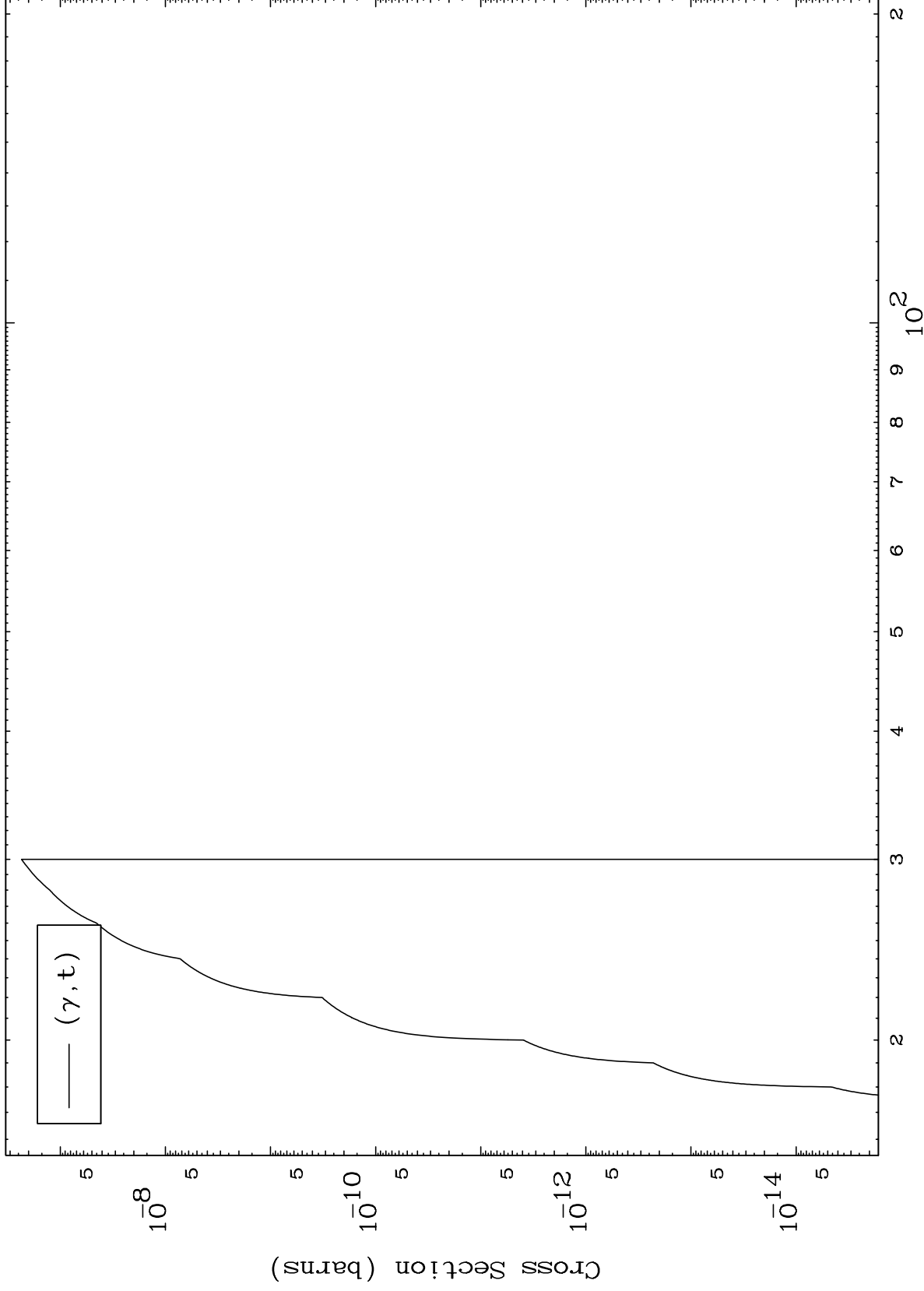
80-Hg-179



MAT 7974

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

80-Hg-179



8

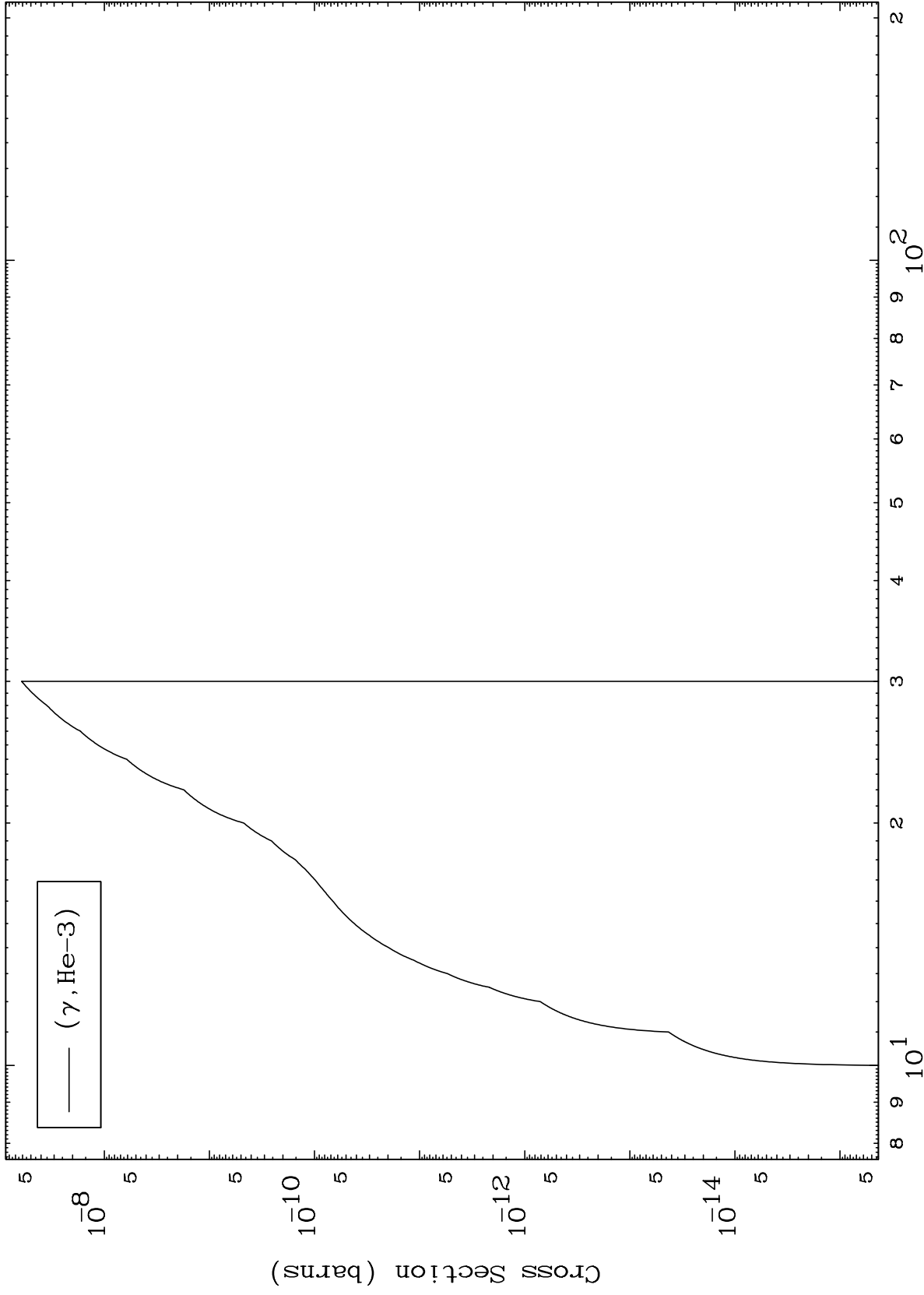
Incident Energy (MeV)

80-Hg-179

MAT 7974

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

80-Hg-179



9

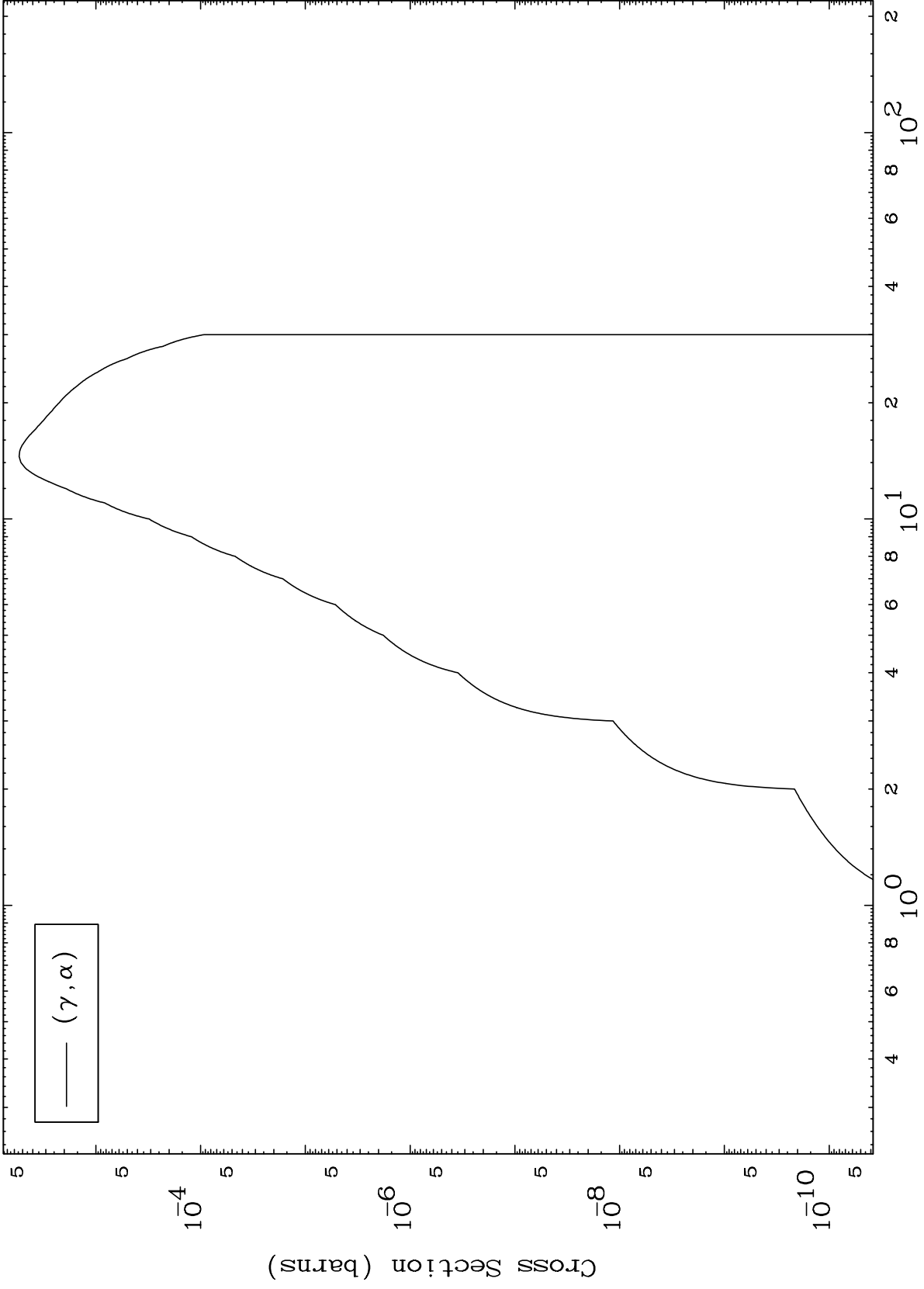
Incident Energy (MeV)

80-Hg-179

MAT 7974

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

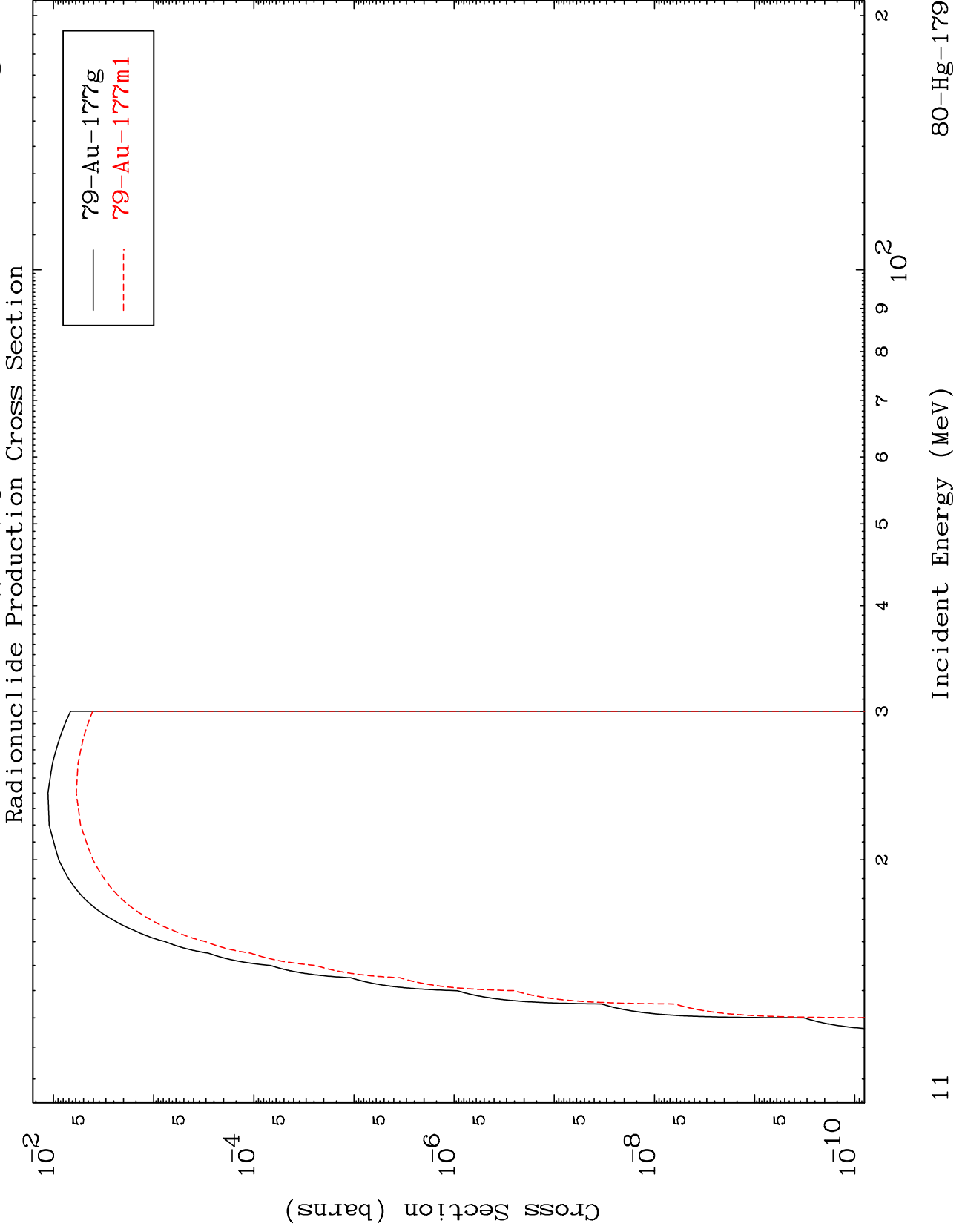
80-Hg-179



10

Incident Energy (MeV)

80-Hg-179

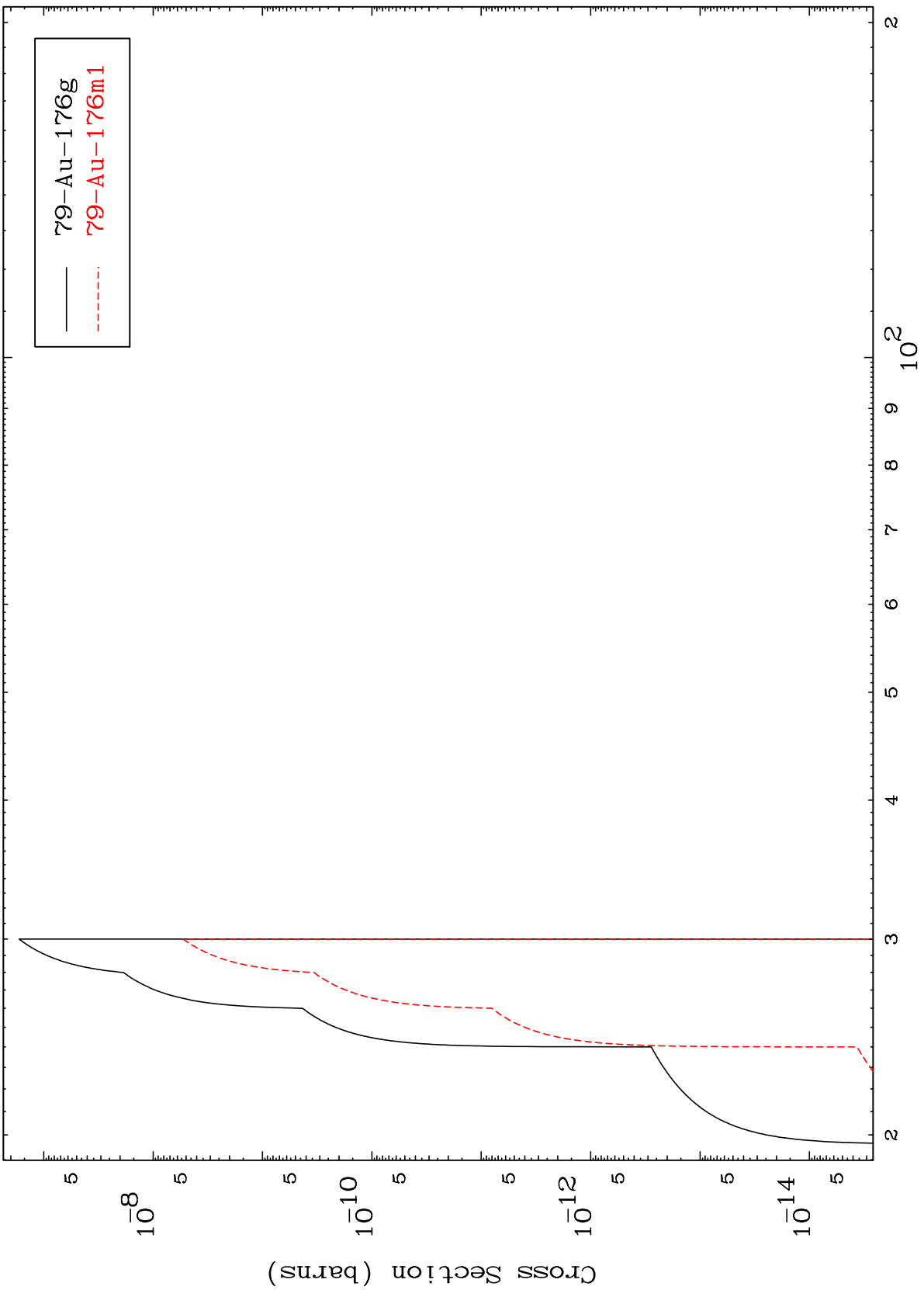


MAT 7974

( $\gamma, n'$ ) d

80-Hg-179

Radionuclide Production Cross Section



12

Incident Energy (MeV)

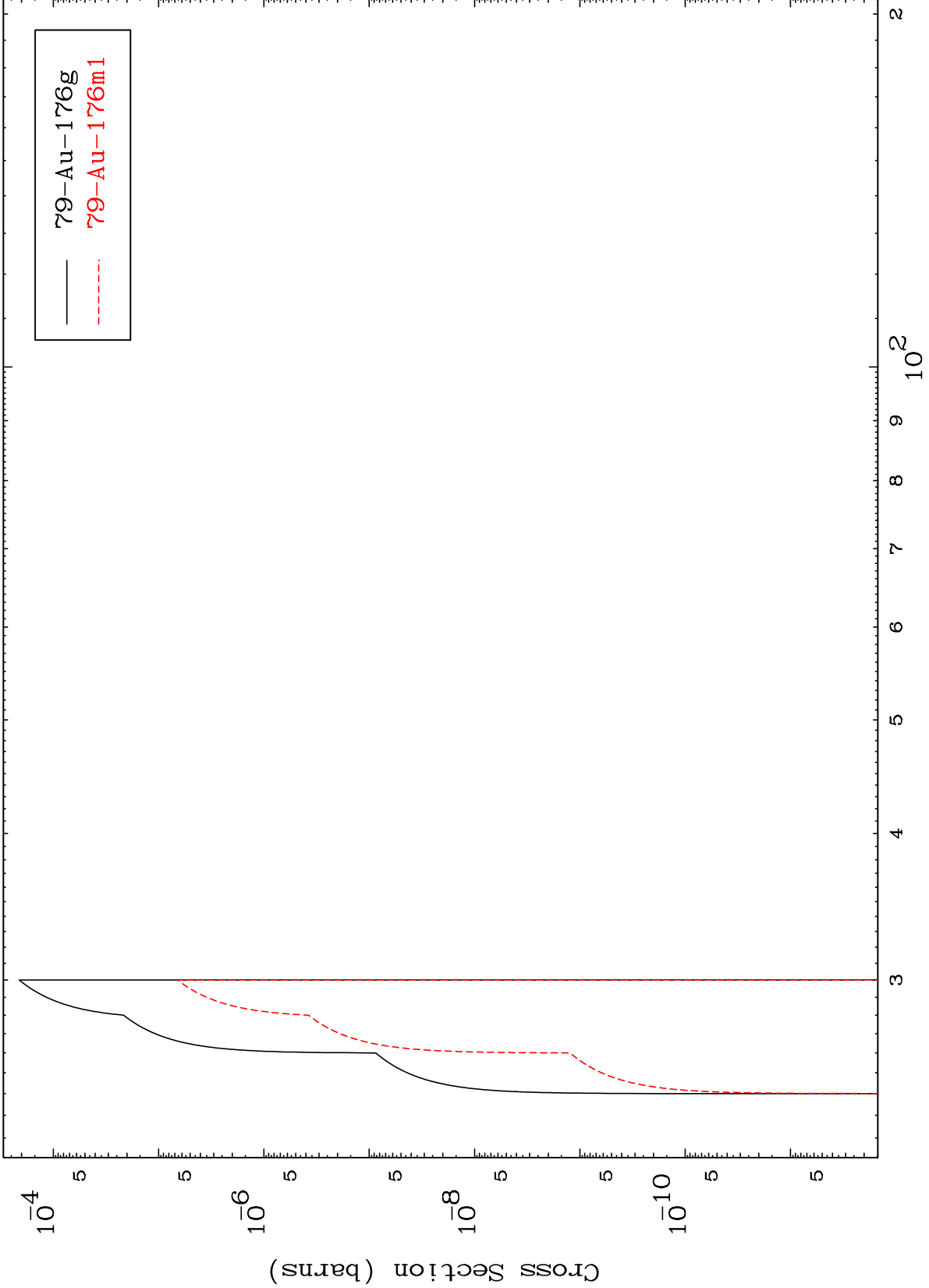
80-Hg-179

MAT 7974

( $\gamma, 2n$ ) p

80-Hg-179

Radionuclide Production Cross Section



13

Incident Energy (MeV)

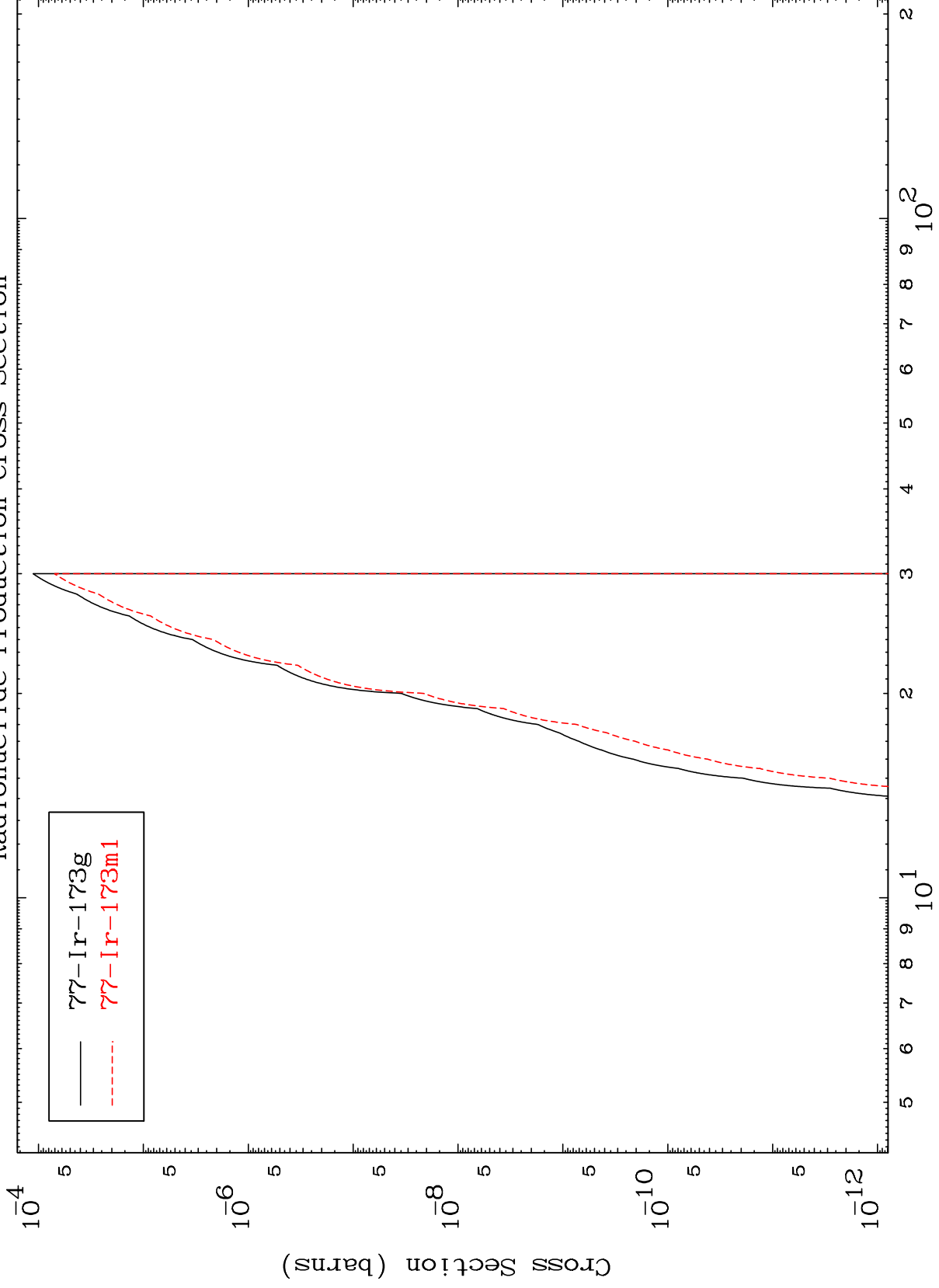
80-Hg-179

MAT 7974

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

80-Hg-179

Radionuclide Production Cross Section



—  $^{77}\text{Ir-173g}$   
- - -  $^{77}\text{Ir-173m1}$

14

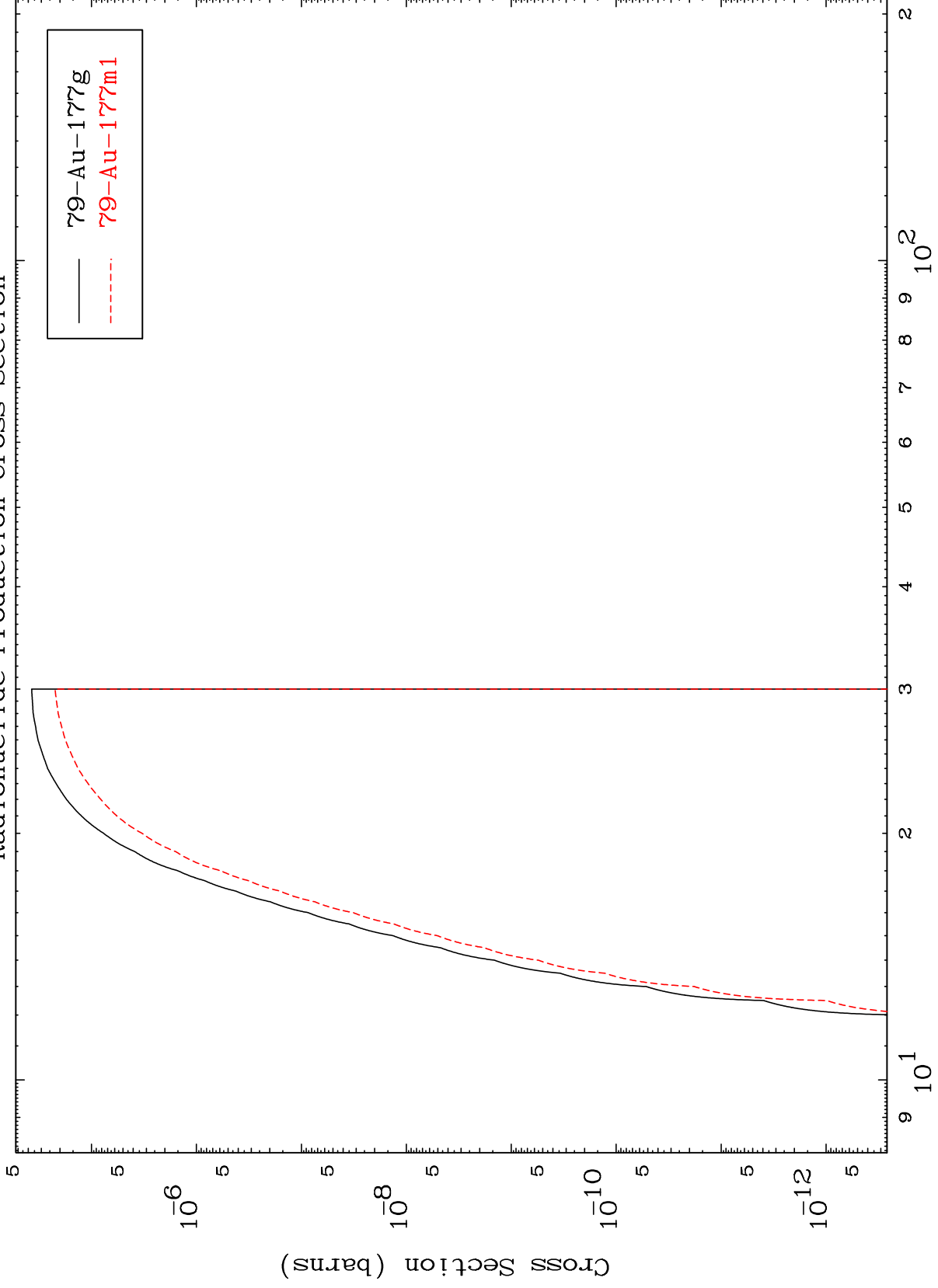
Incident Energy (MeV)

80-Hg-179

MAT 7974

80-Hg-179

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



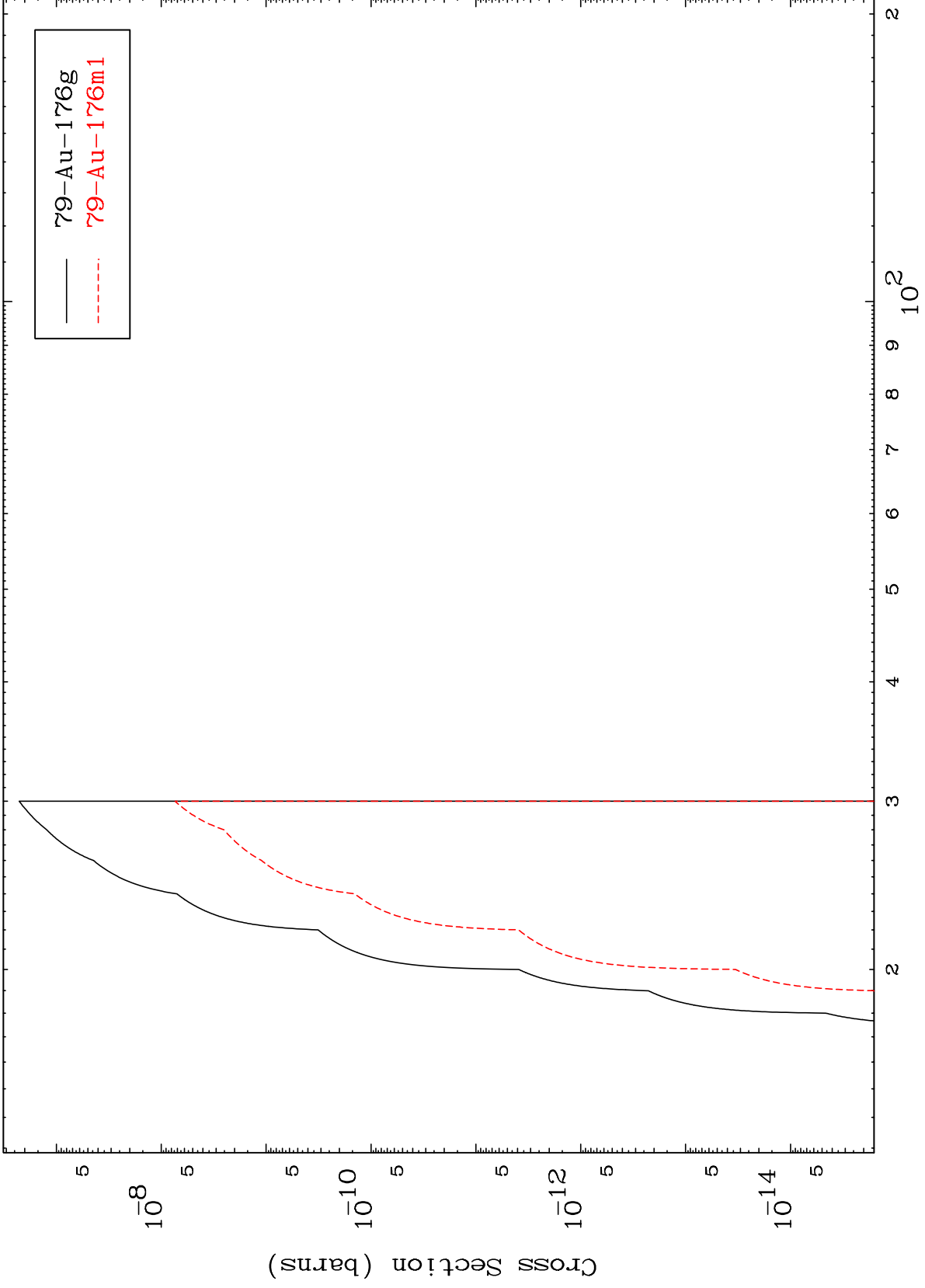
15

Incident Energy (MeV)

80-Hg-179



Radionuclide Production Cross Section

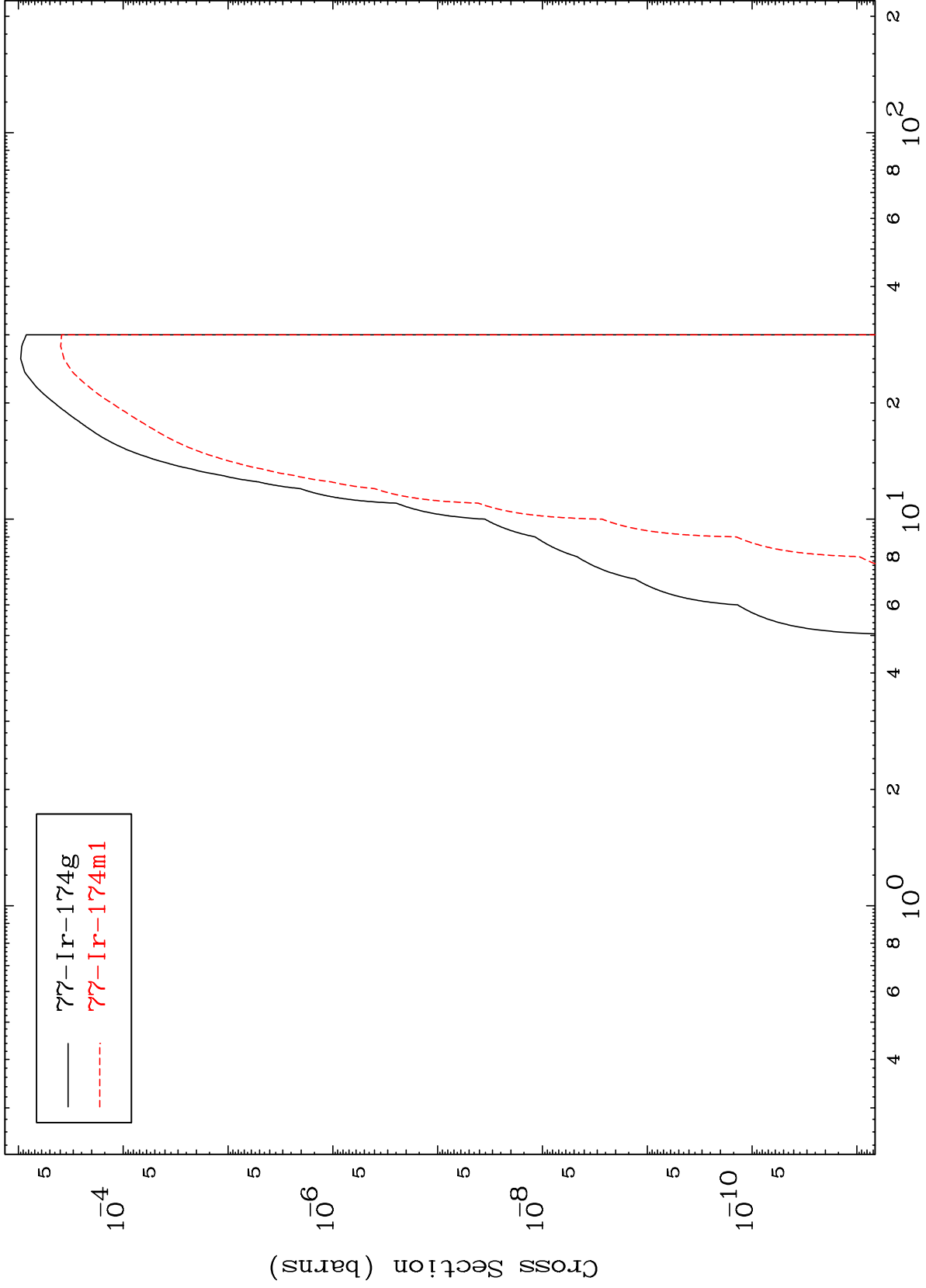


MAT 7974

$(\gamma, p) \alpha$

80-Hg-179

Radionuclide Production Cross Section



17

Incident Energy (MeV)

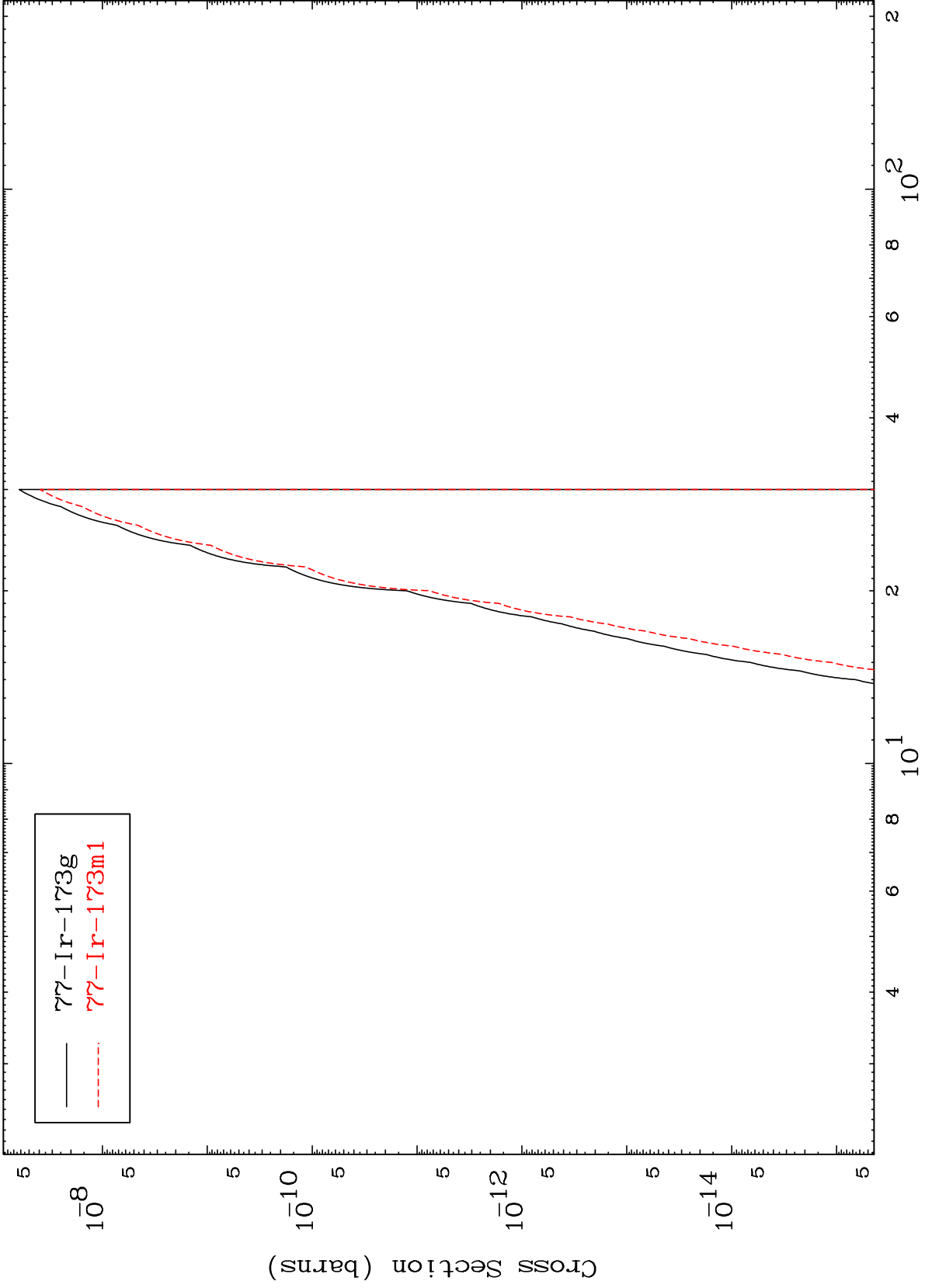
80-Hg-179

MAT 7974

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

80-Hg-179

Radionuclide Production Cross Section



18

Incident Energy (MeV)

80-Hg-179