

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

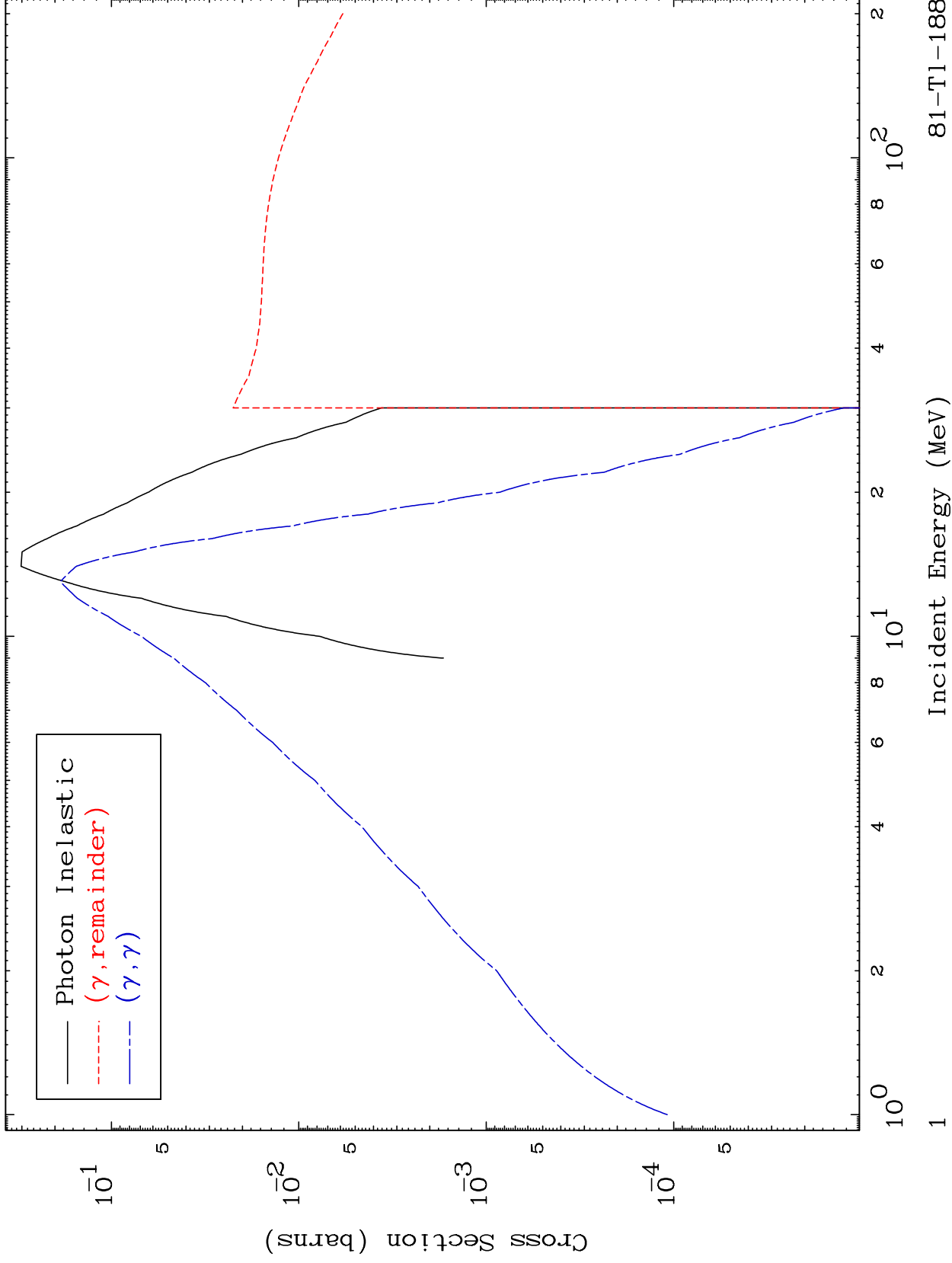
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8080

Photon Major  
0 Kelvin Cross Sections

81-Tl-188



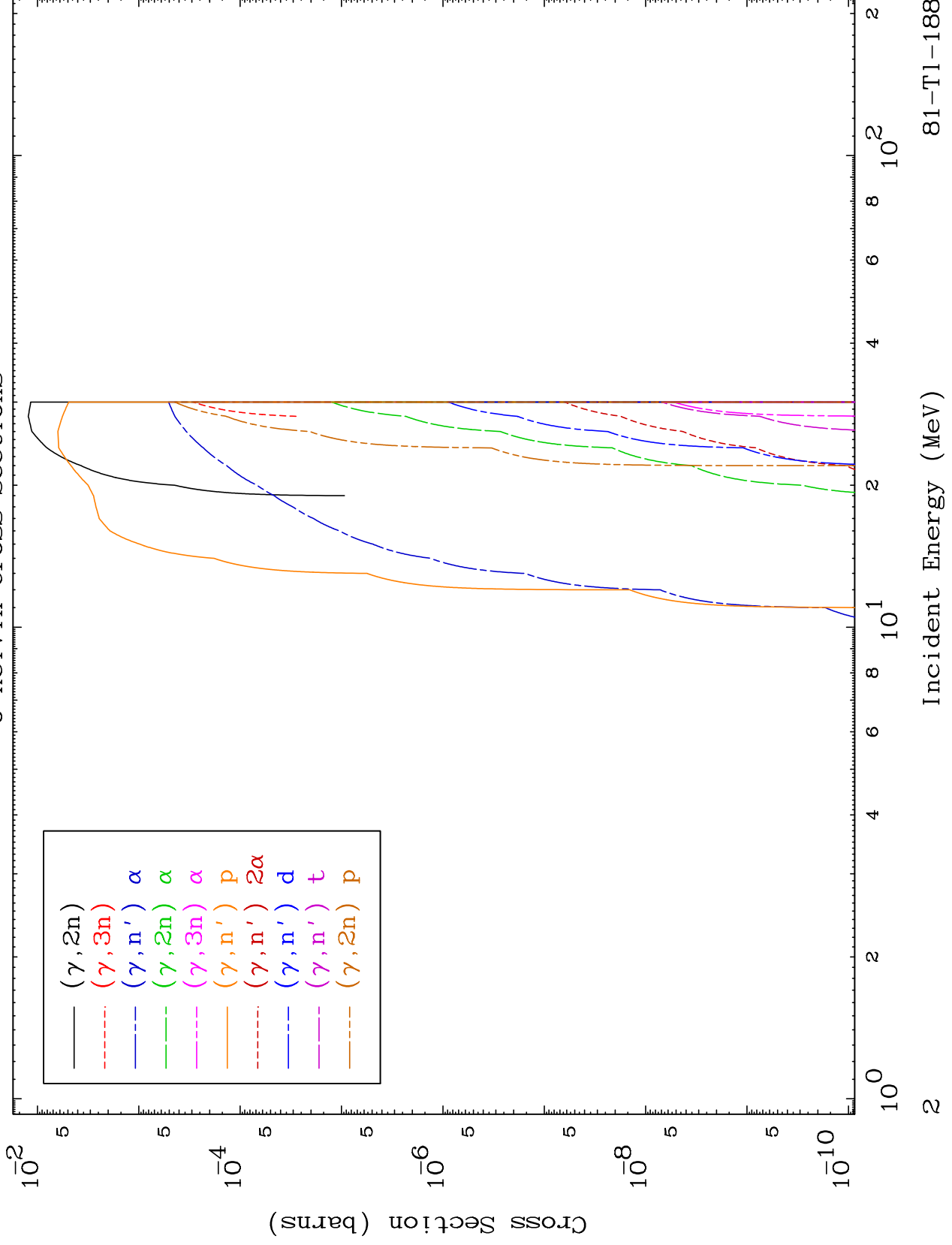
81-Tl-188

Incident Energy (MeV)

MAT 8080

Photon Neutron Production  
0 Kelvin Cross Sections

81-Tl-188

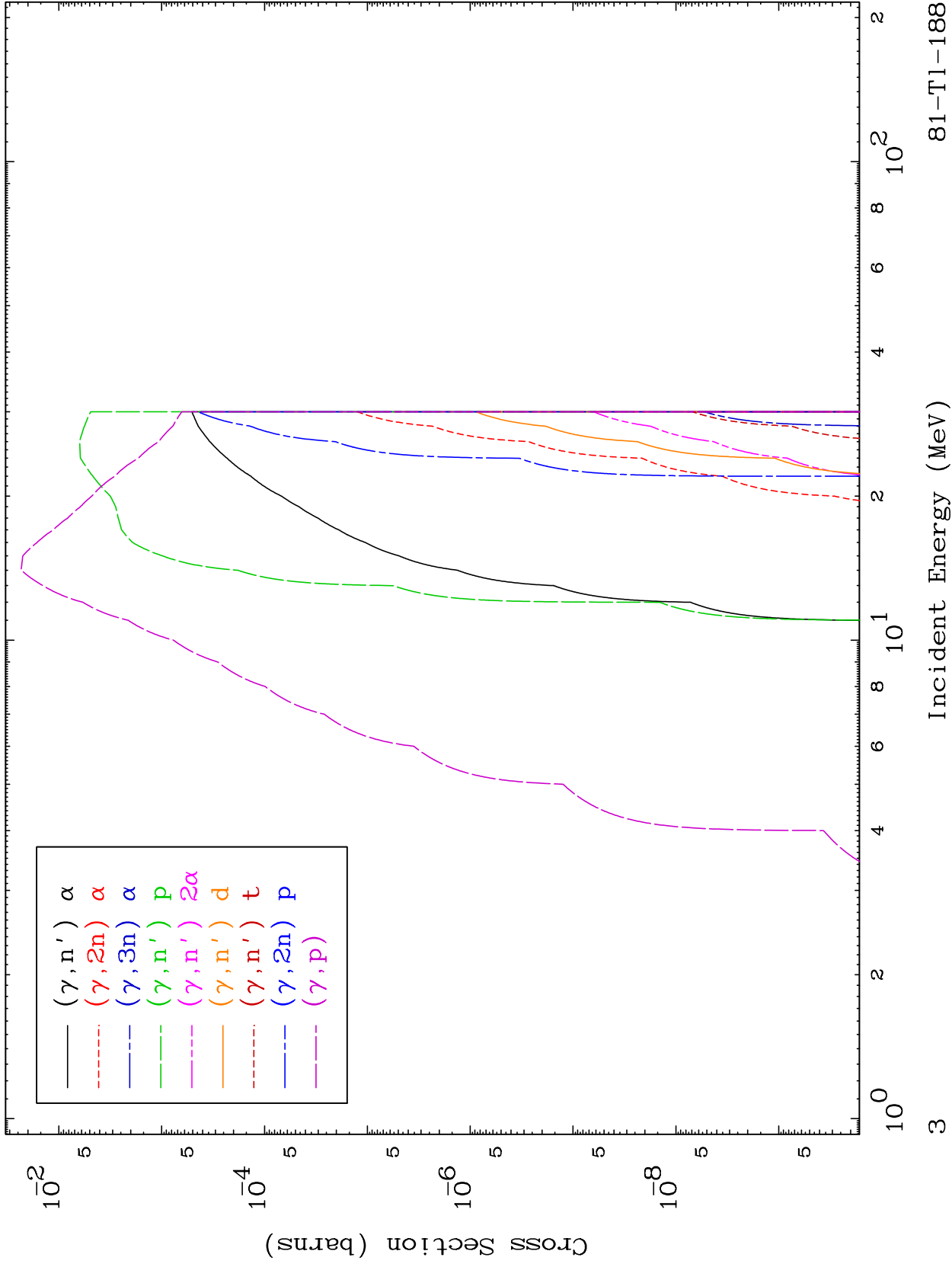


81-Tl-188

MAT 8080

Photon Charged Particle  
0 Kelvin Cross Sections

81-Tl-188



Incident Energy (MeV)

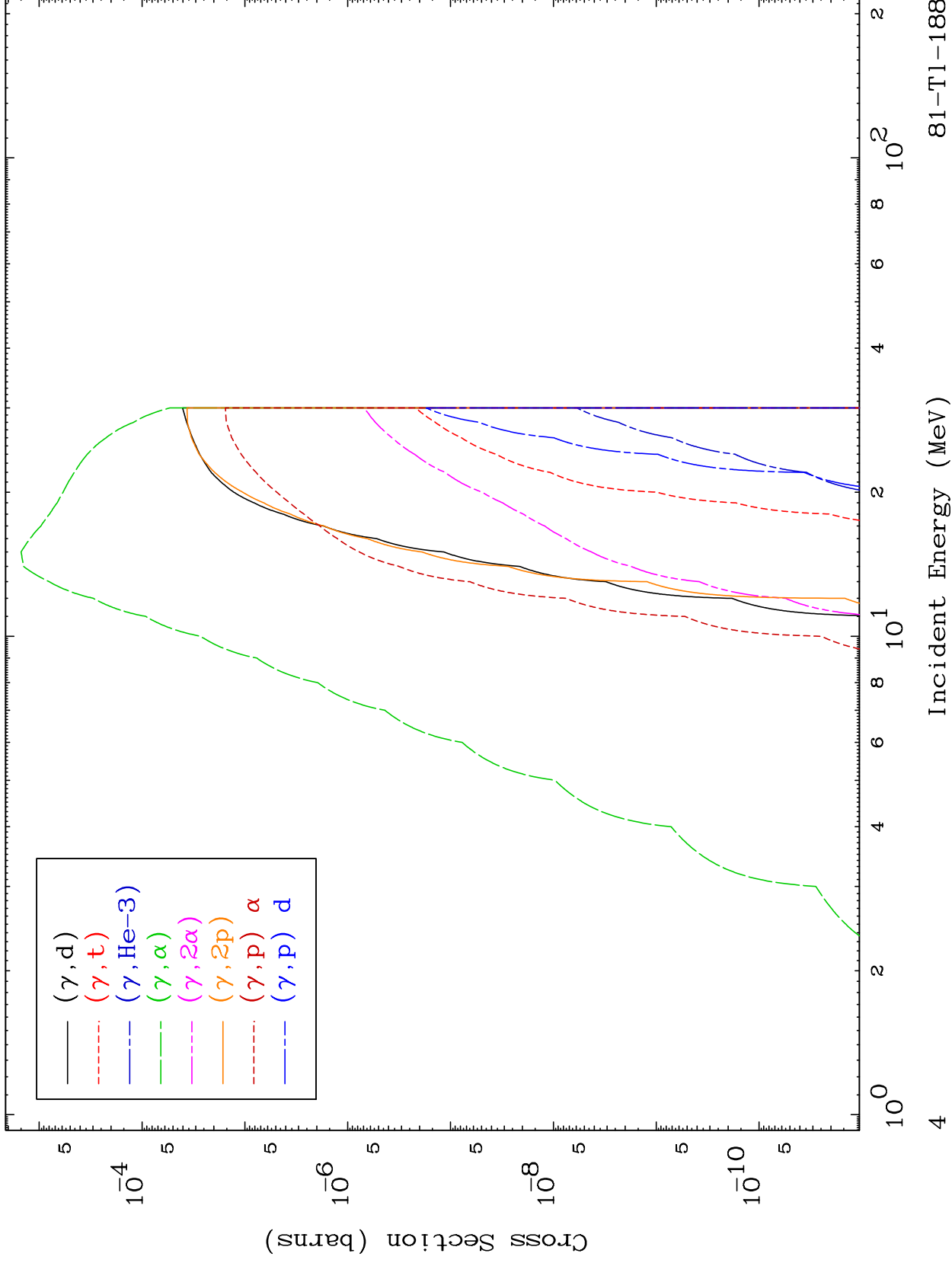
81-Tl-188

3

MAT 8080

Photon Charged Particle  
0 Kelvin Cross Sections

81-Tl-188



Incident Energy (MeV)

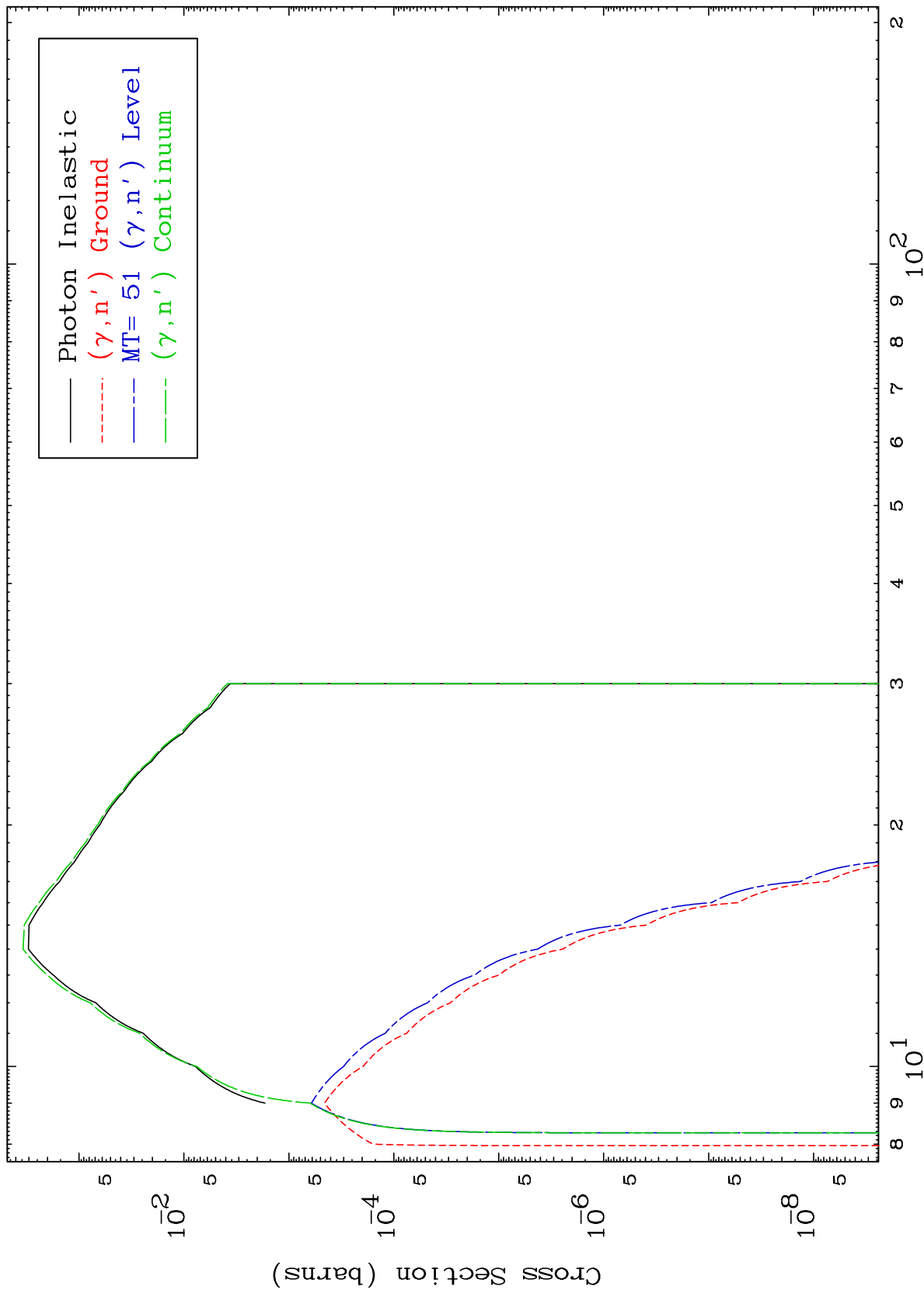
81-Tl-188

MAT 8080

$(\gamma, n')$  Level

81-Tl-188

0 Kelvin Cross Sections



Incident Energy (MeV)

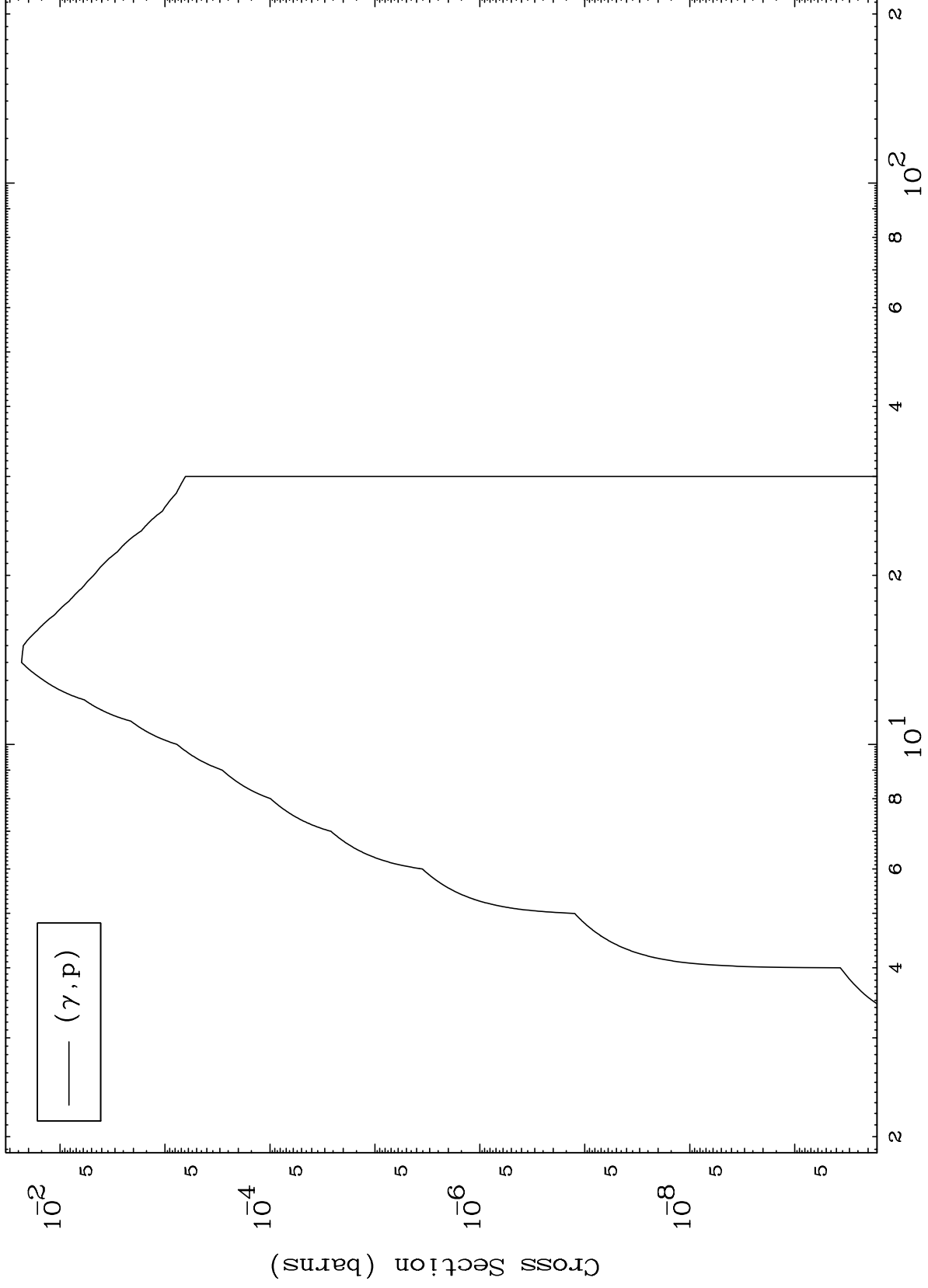
81-Tl-188

5

MAT 8080

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

81-Tl-188



6

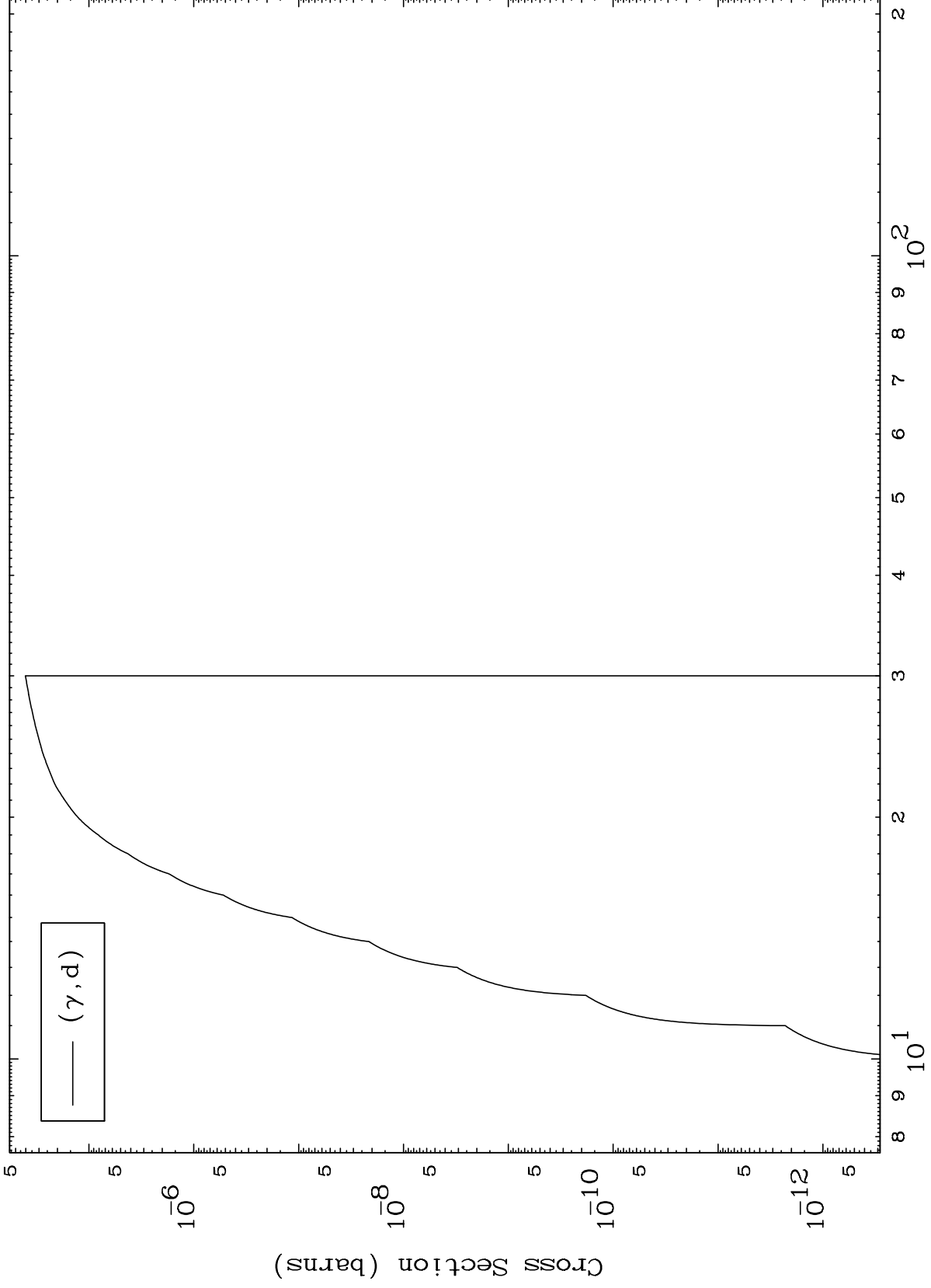
Incident Energy (MeV)

81-Tl-188

MAT 8080

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

81-Tl-188

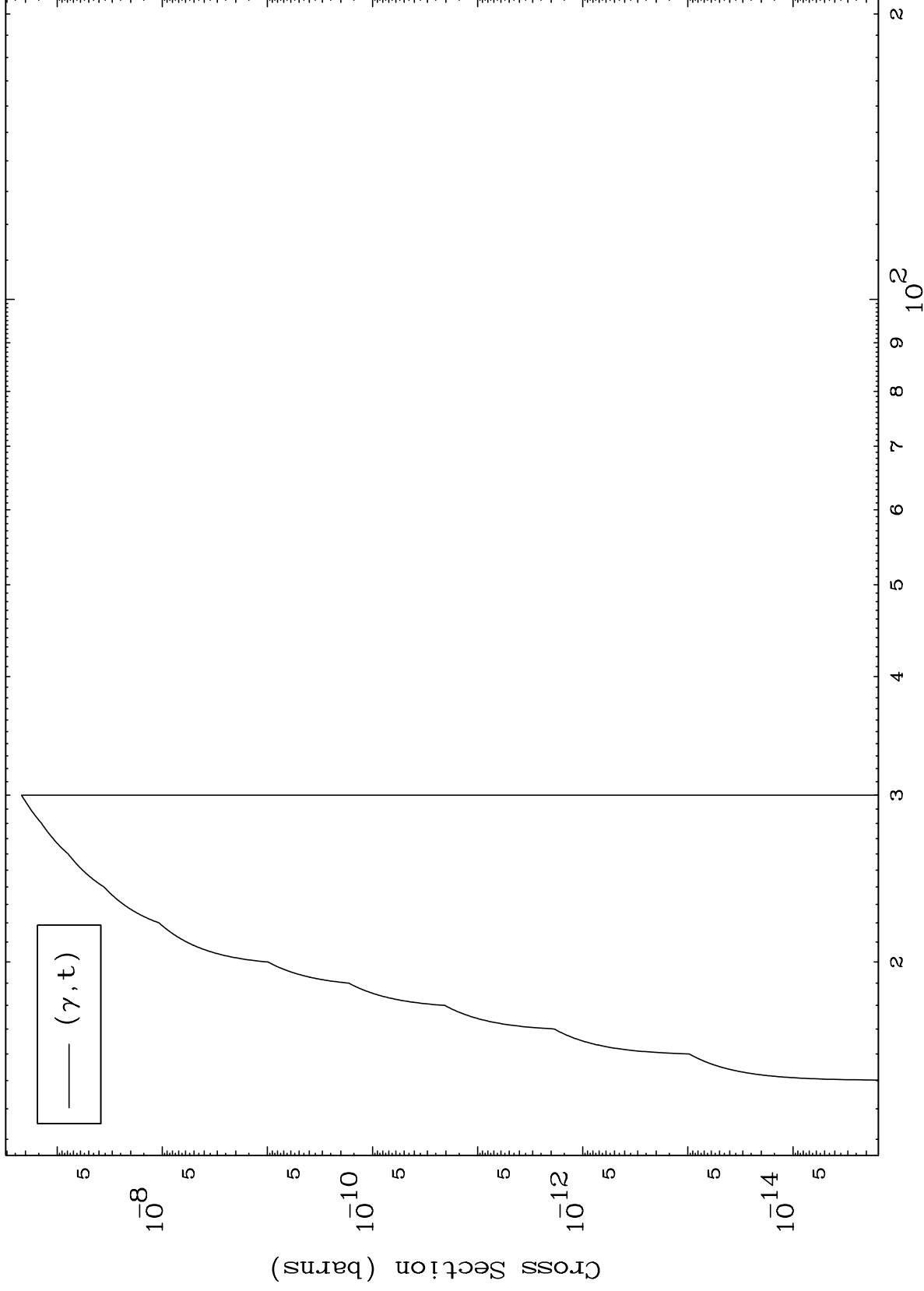


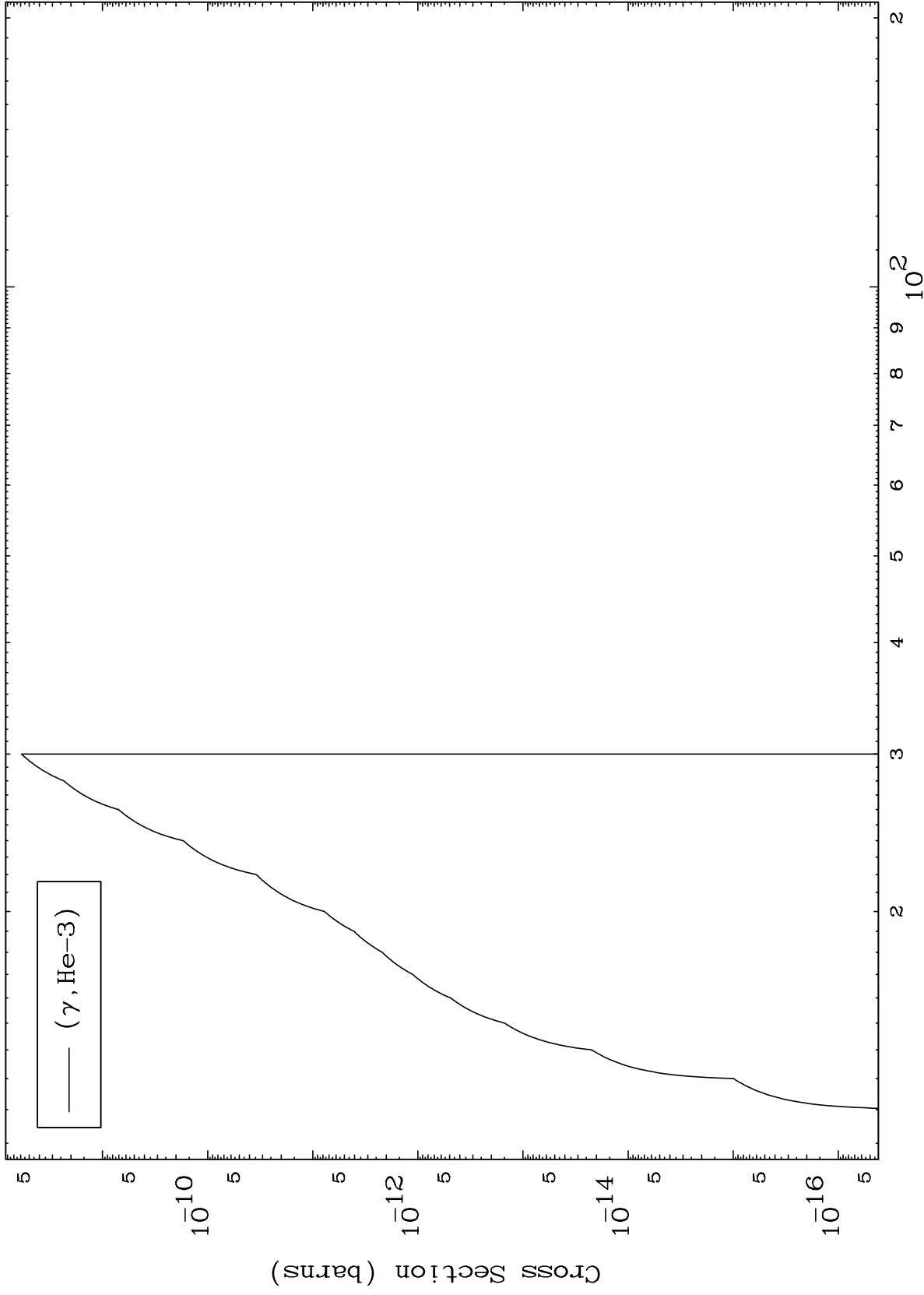
Incident Energy (MeV)

81-Tl-188

7





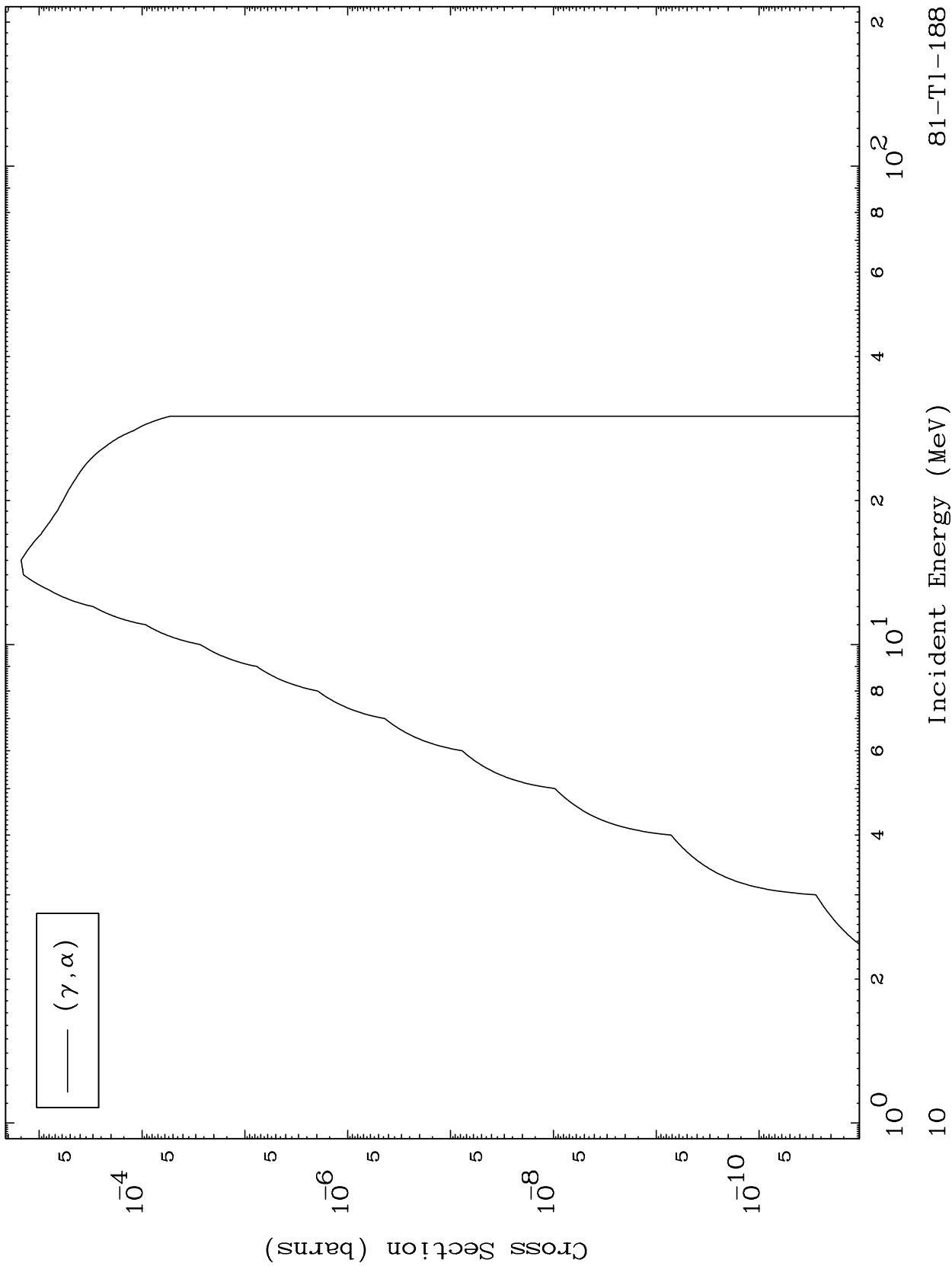


MAT 8080

( $\gamma, \alpha$ ) Levels

81-Tl-188

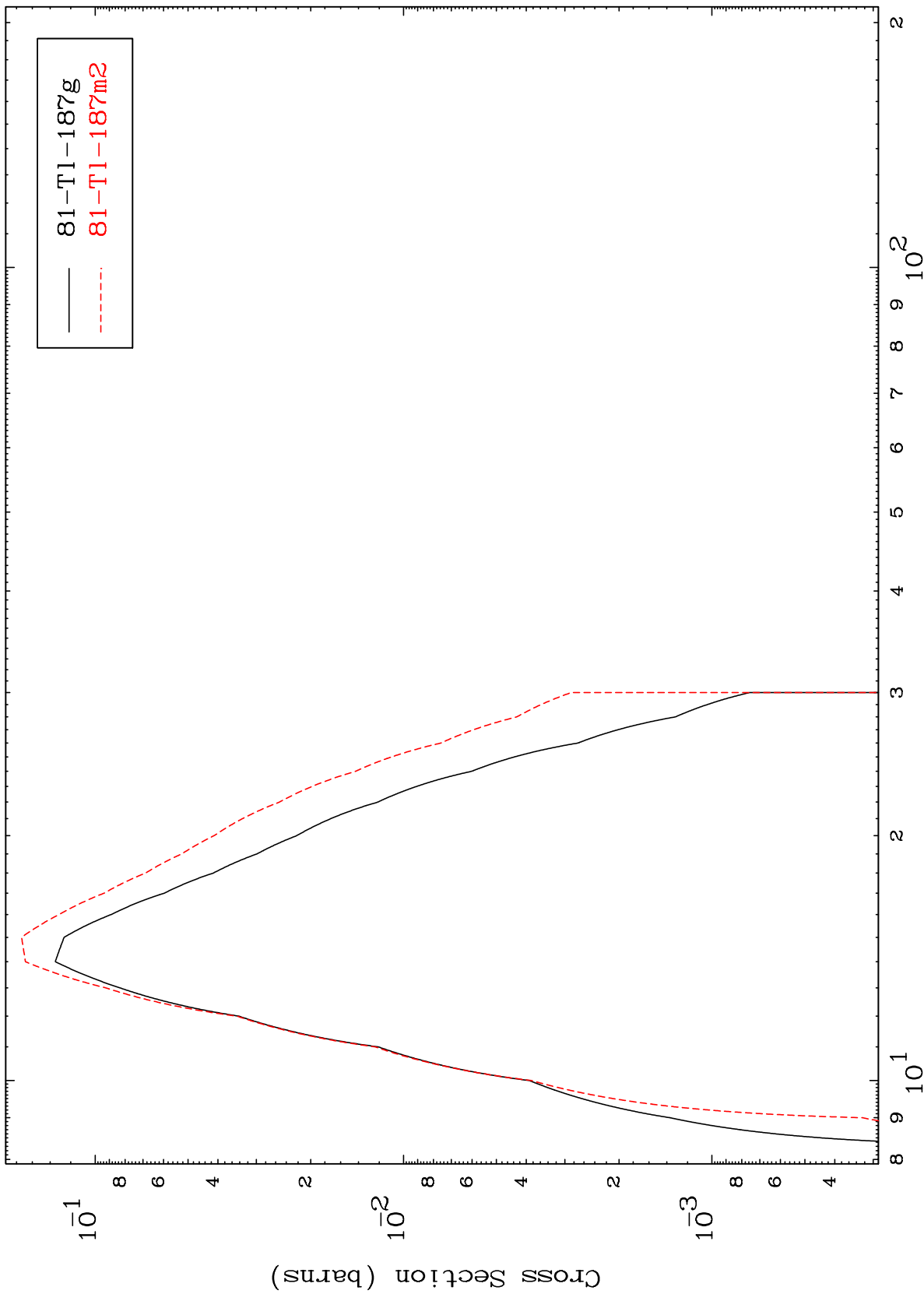
0 Kelvin Cross Sections



Incident Energy (MeV)

81-Tl-188

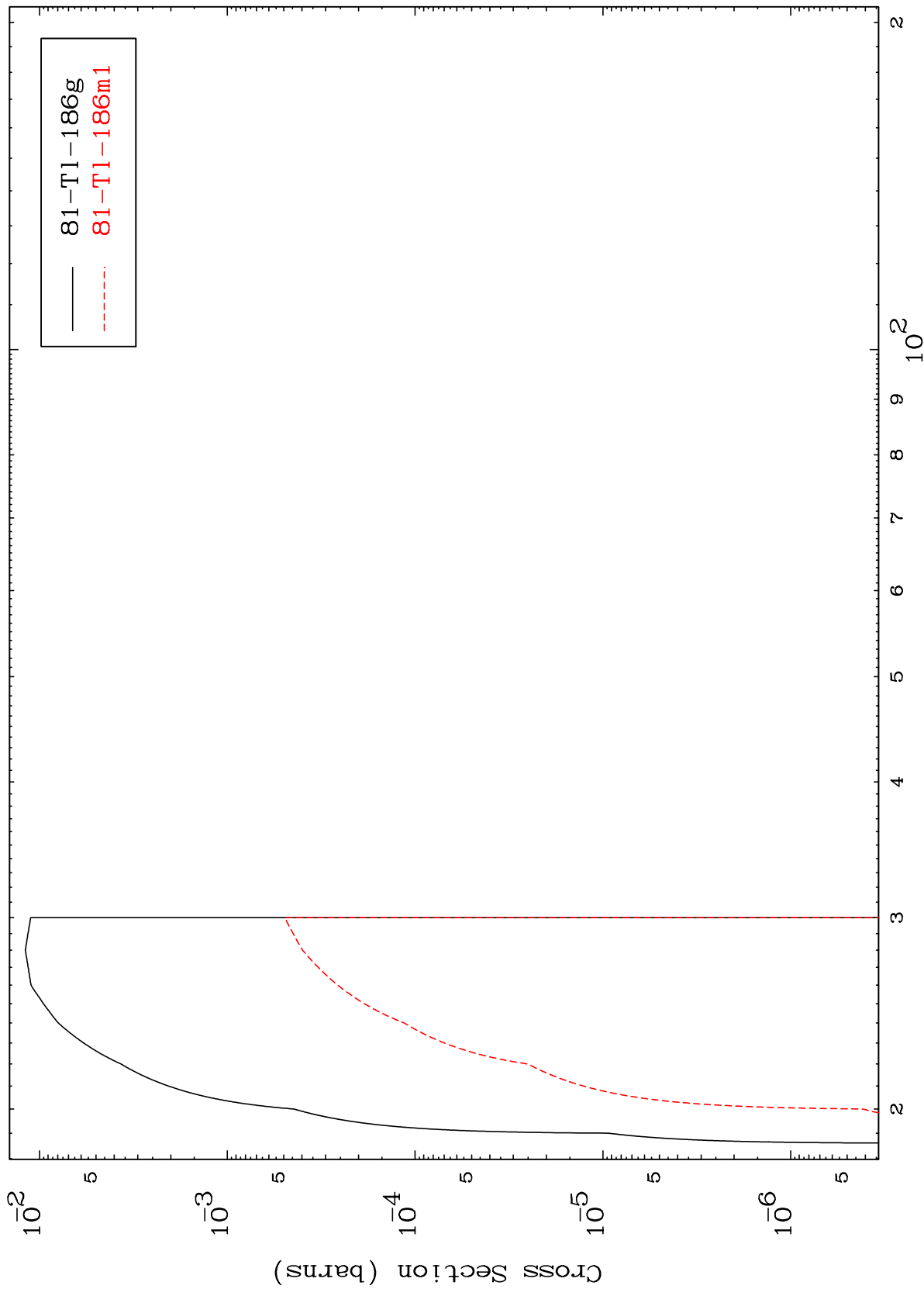
Photon Inelastic  
Radionuclide Production Cross Section



MAT 8080

81-Tl-188

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



81-Tl-188

Incident Energy (MeV)

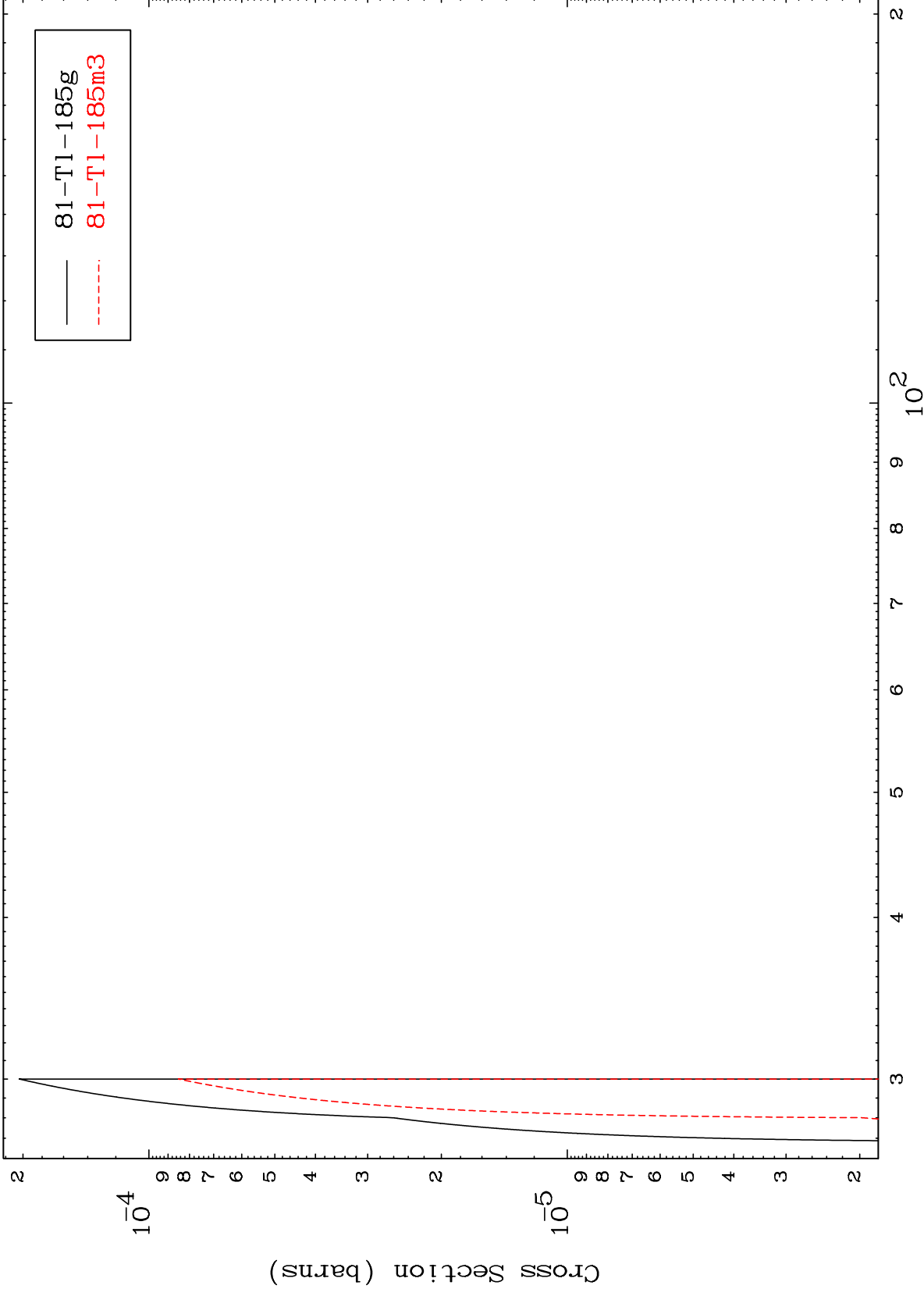
12

MAT 8080

( $\gamma, 3n$ )

81-Tl-188

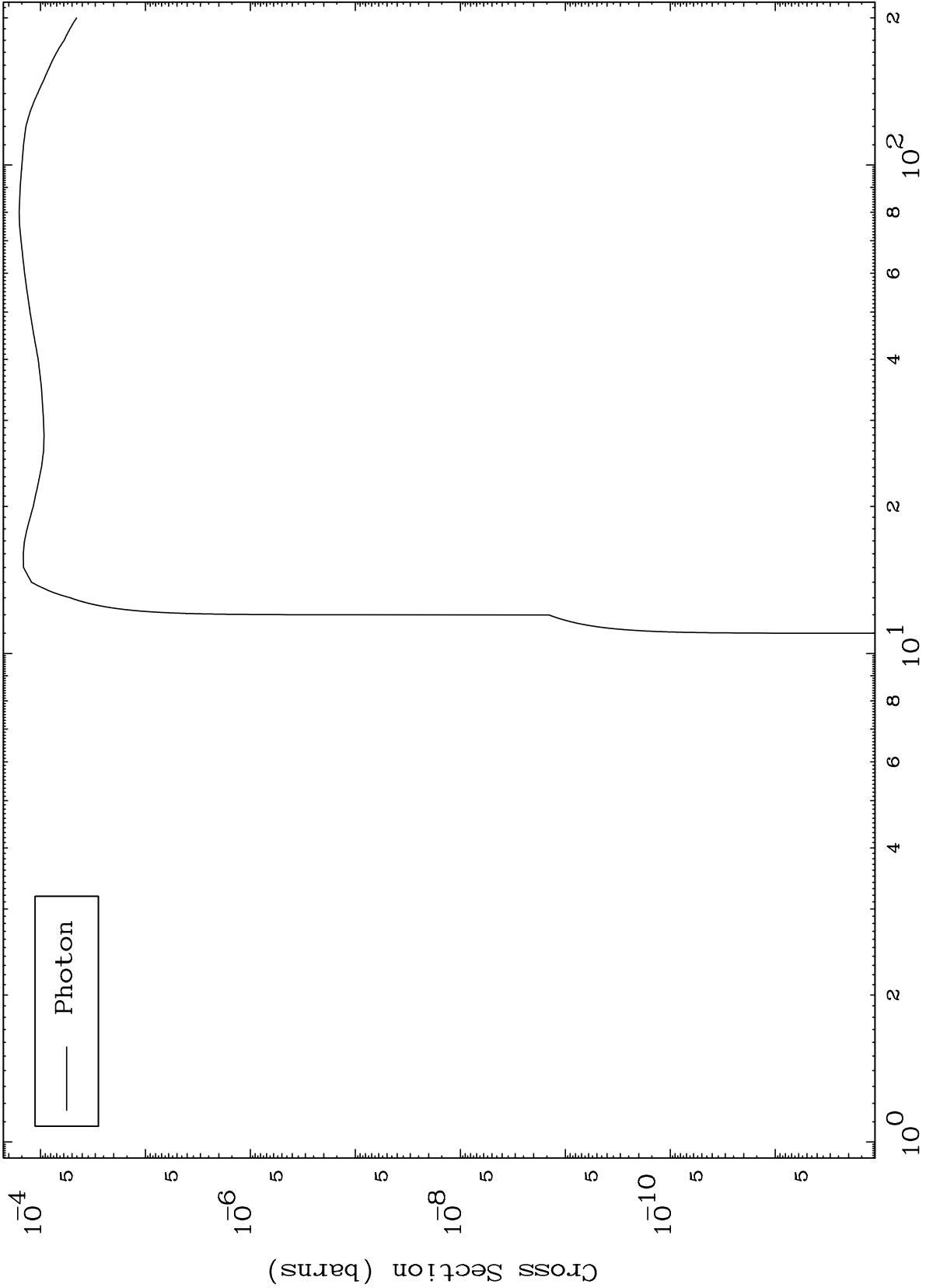
Radionuclide Production Cross Section



MAT 8080

81-Tl-188

Photon Fission  
Radionuclide Production Cross Section



81-Tl-188

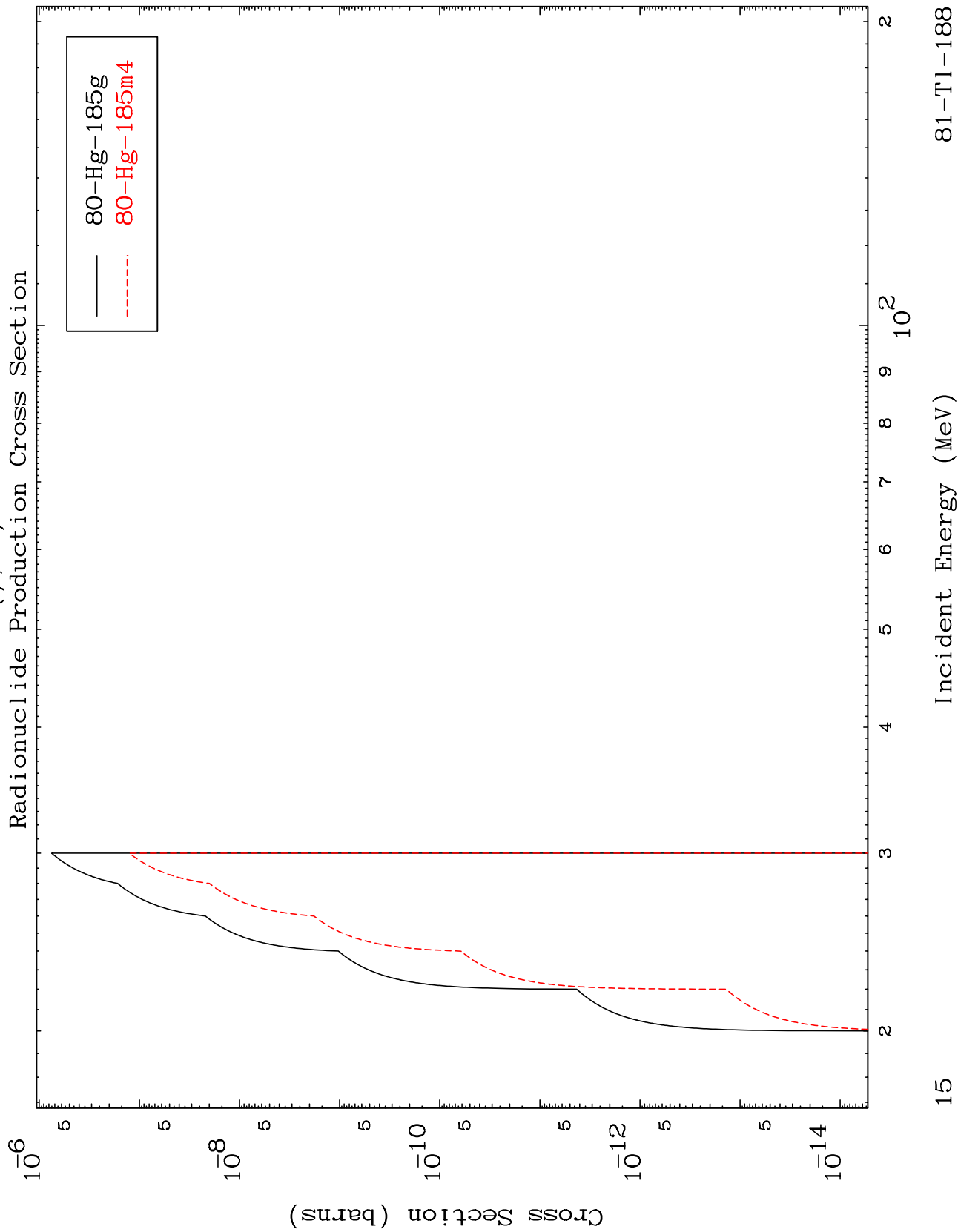
Incident Energy (MeV)

14

MAT 8080

( $\gamma, n'$ ) d

81-Tl-188



15

81-Tl-188

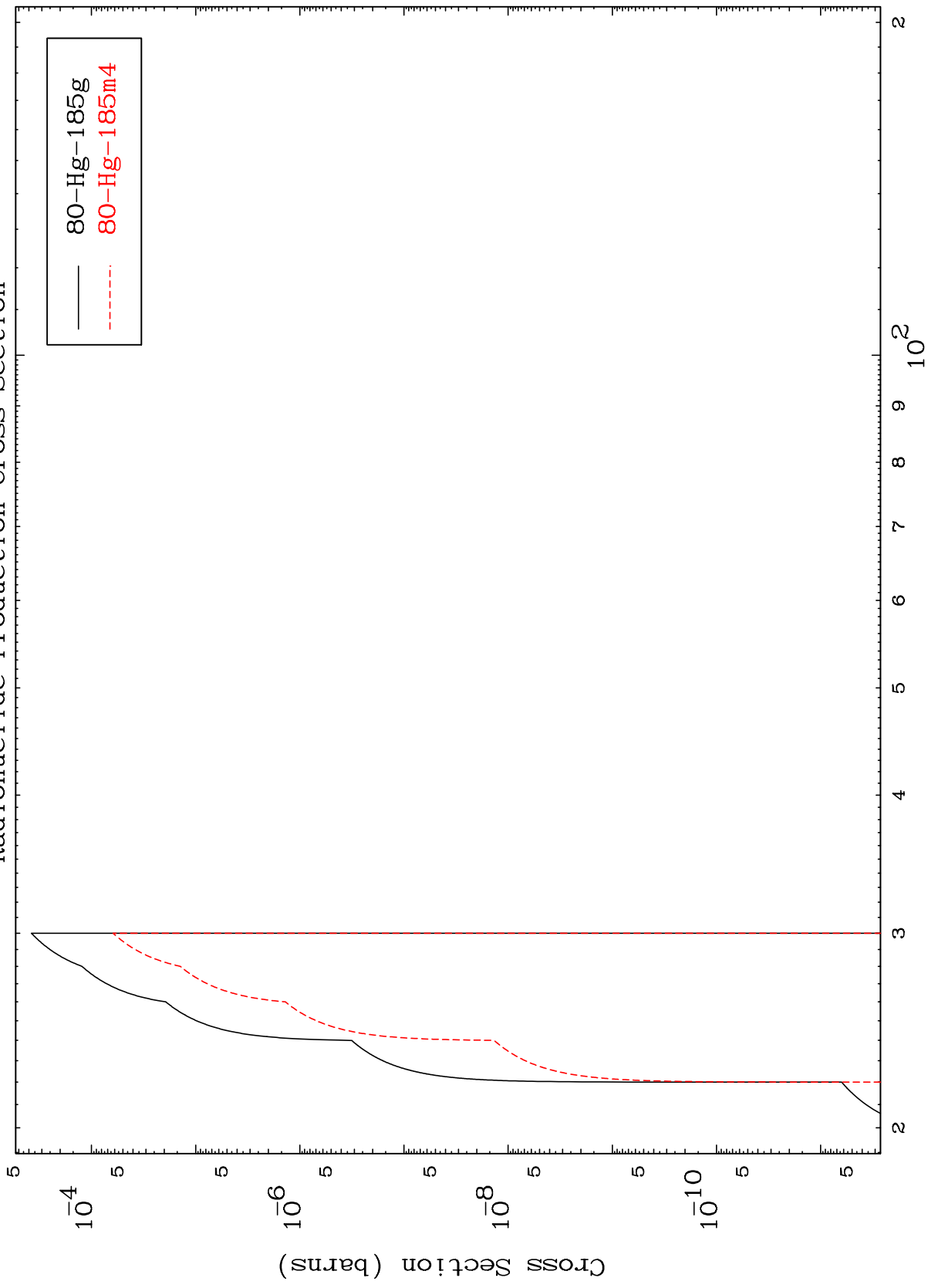


MAT 8080

$(\gamma, 2n)$  p

81-Tl-188

Radionuclide Production Cross Section



16

Incident Energy (MeV)

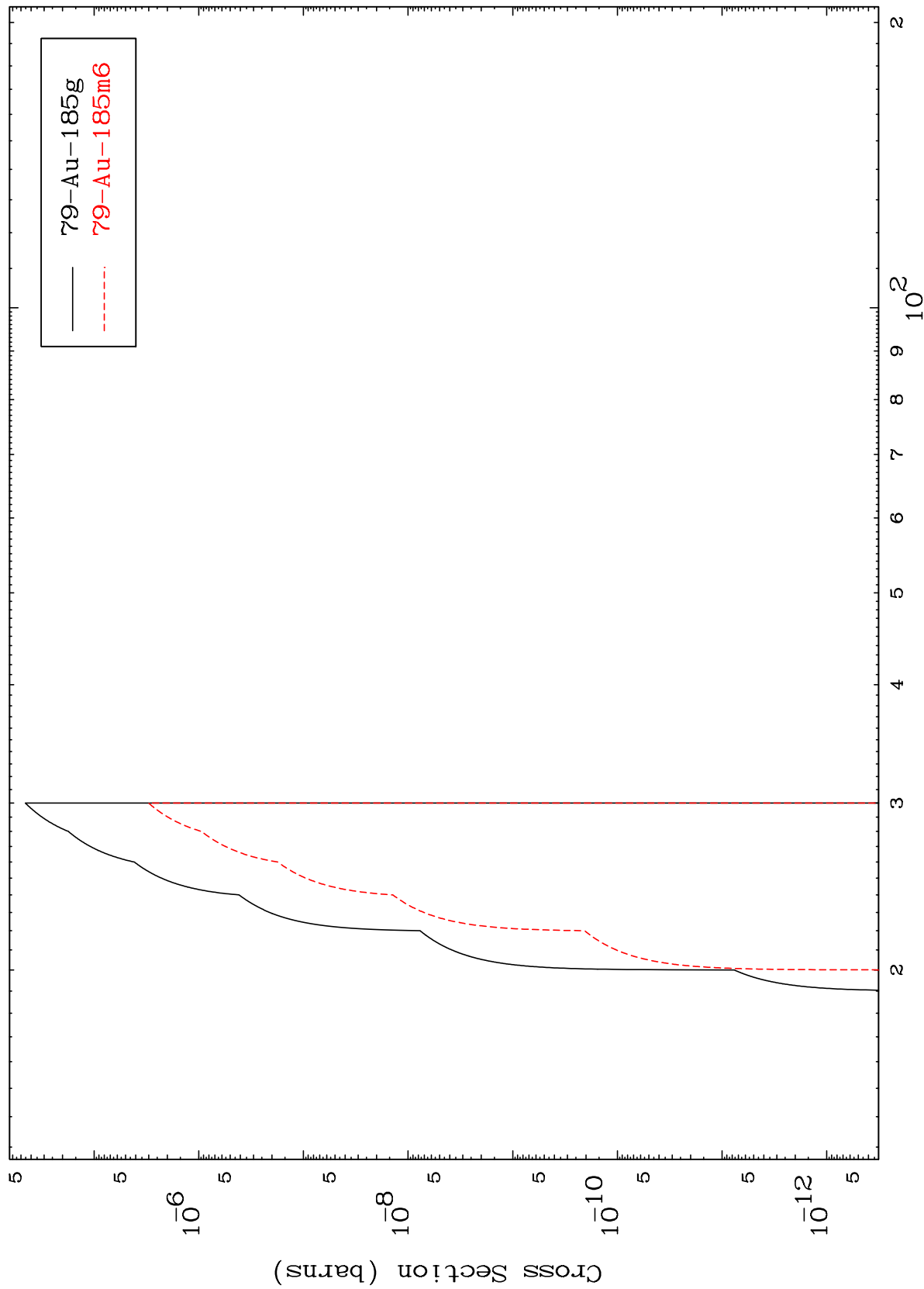
81-Tl-188

MAT 8080

( $\gamma, 2n$ ) p

81-Tl-188

Radionuclide Production Cross Section



17

Incident Energy (MeV)

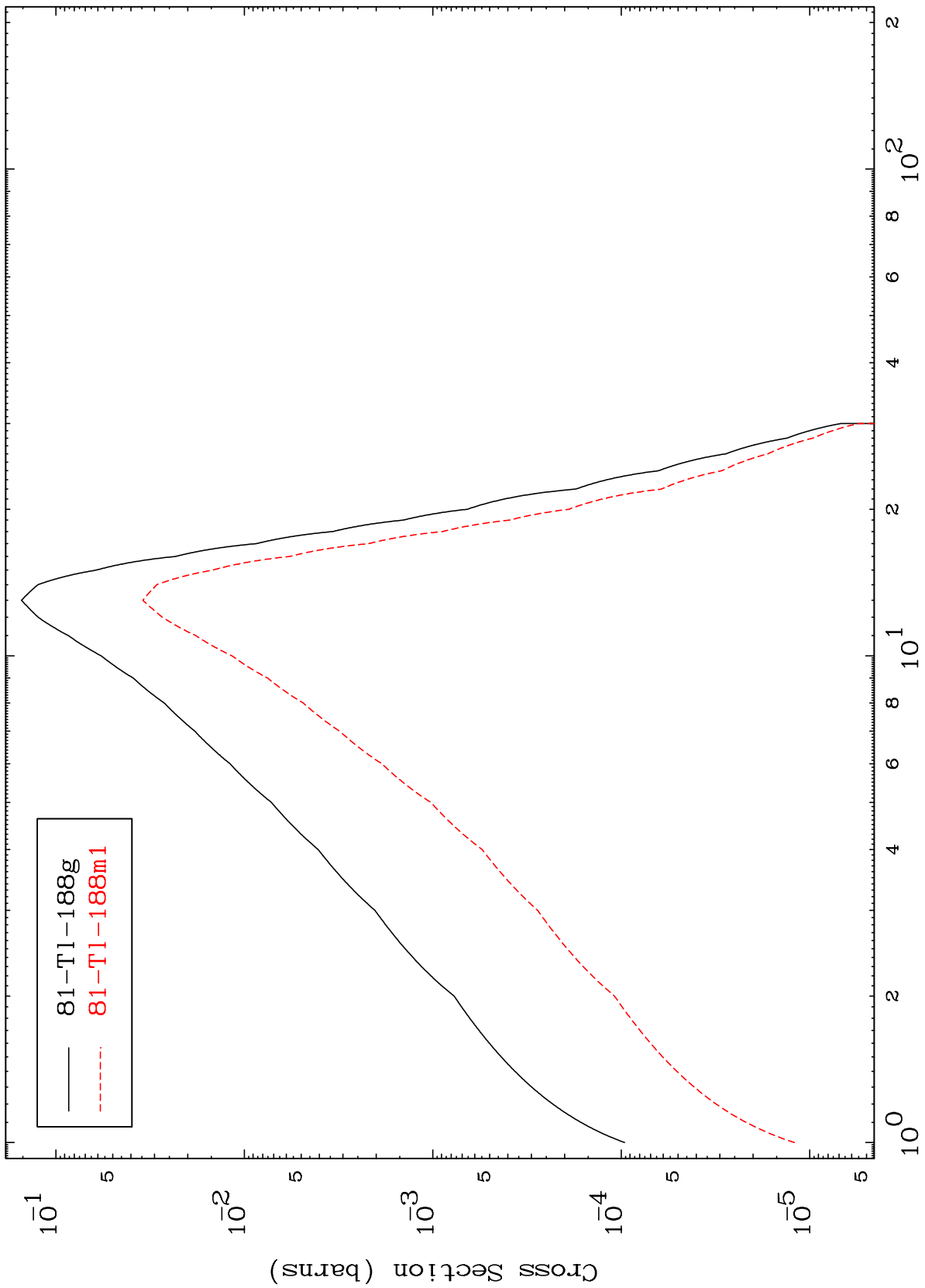
81-Tl-188

MAT 8080

81-Tl-188

Radionuclide Production Cross Section

( $\gamma, \gamma$ )



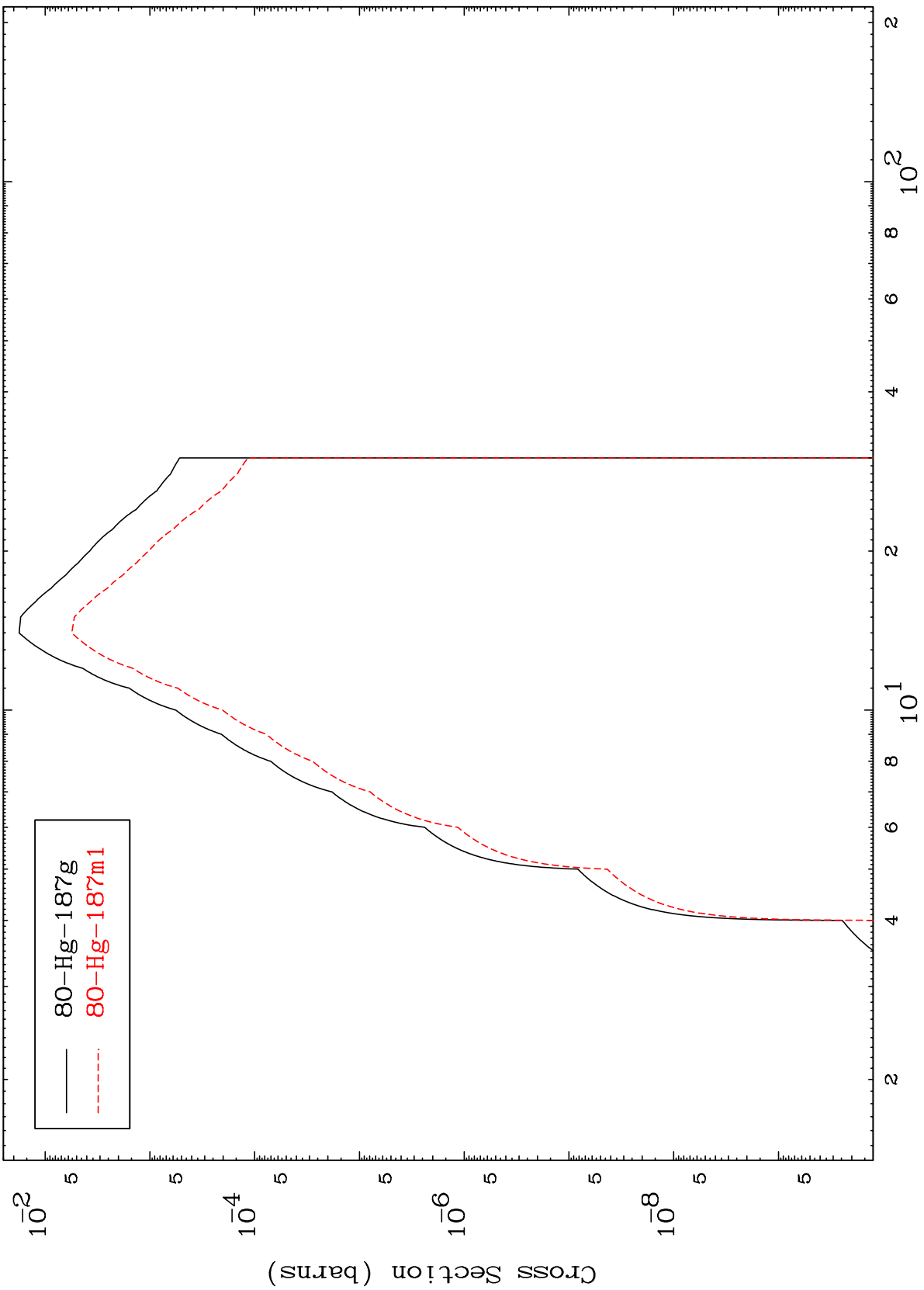
Incident Energy (MeV)

81-Tl-188

MAT 8080

81-Tl-188

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



80-Hg-187g  
80-Hg-187m1

19

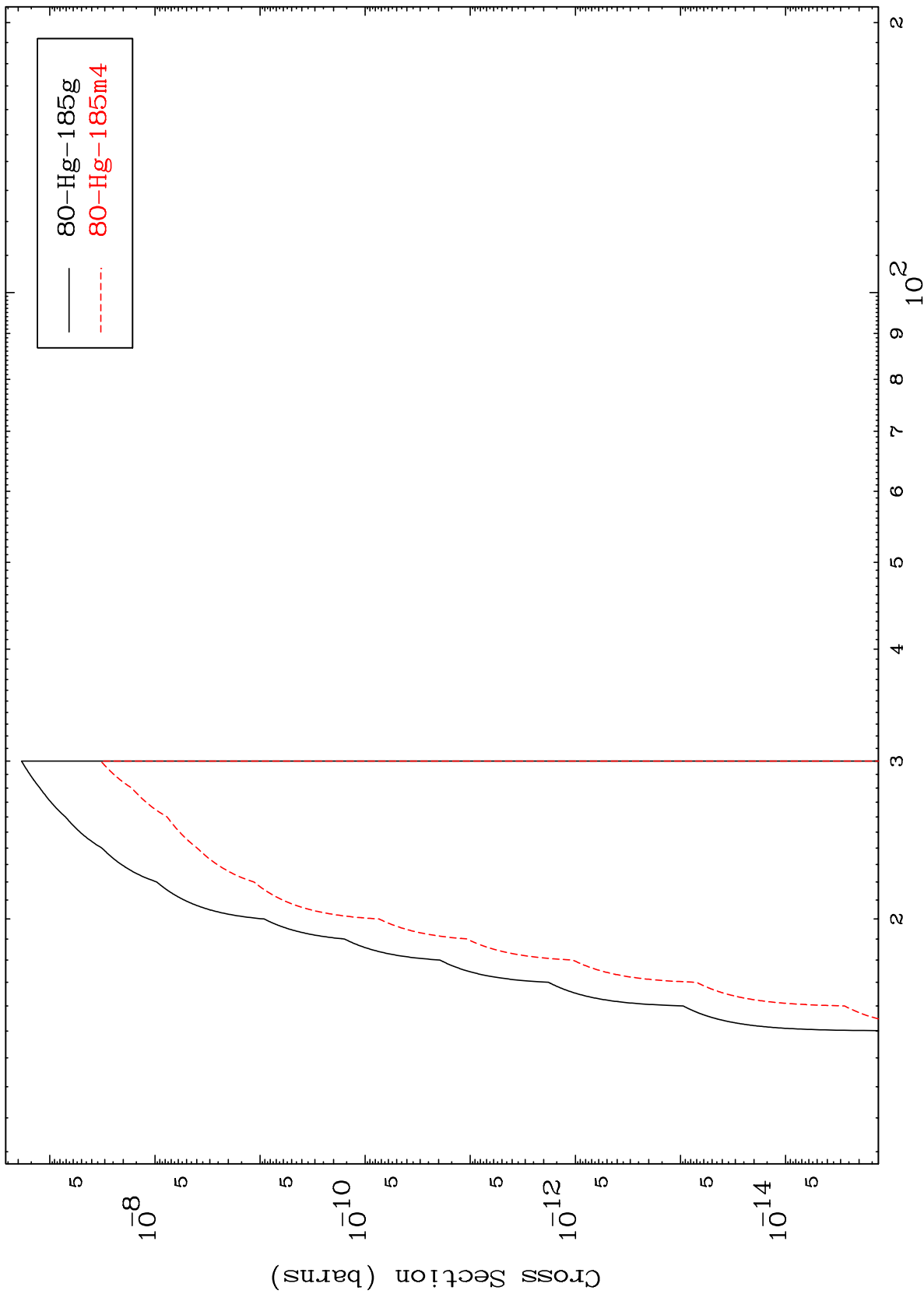
Incident Energy (MeV)

81-Tl-188

MAT 8080

81-Tl-188

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

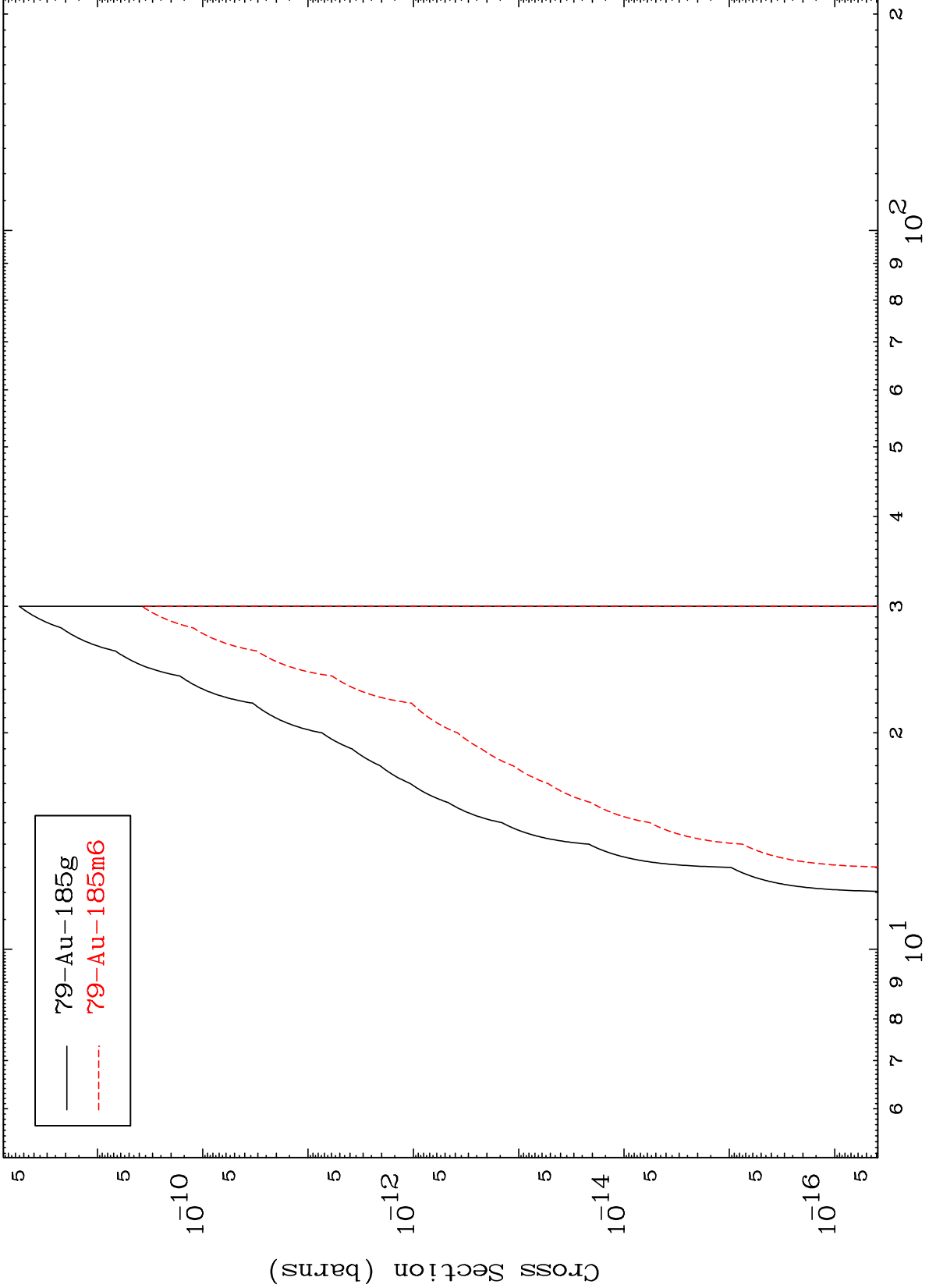


20

Incident Energy (MeV)

81-Tl-188

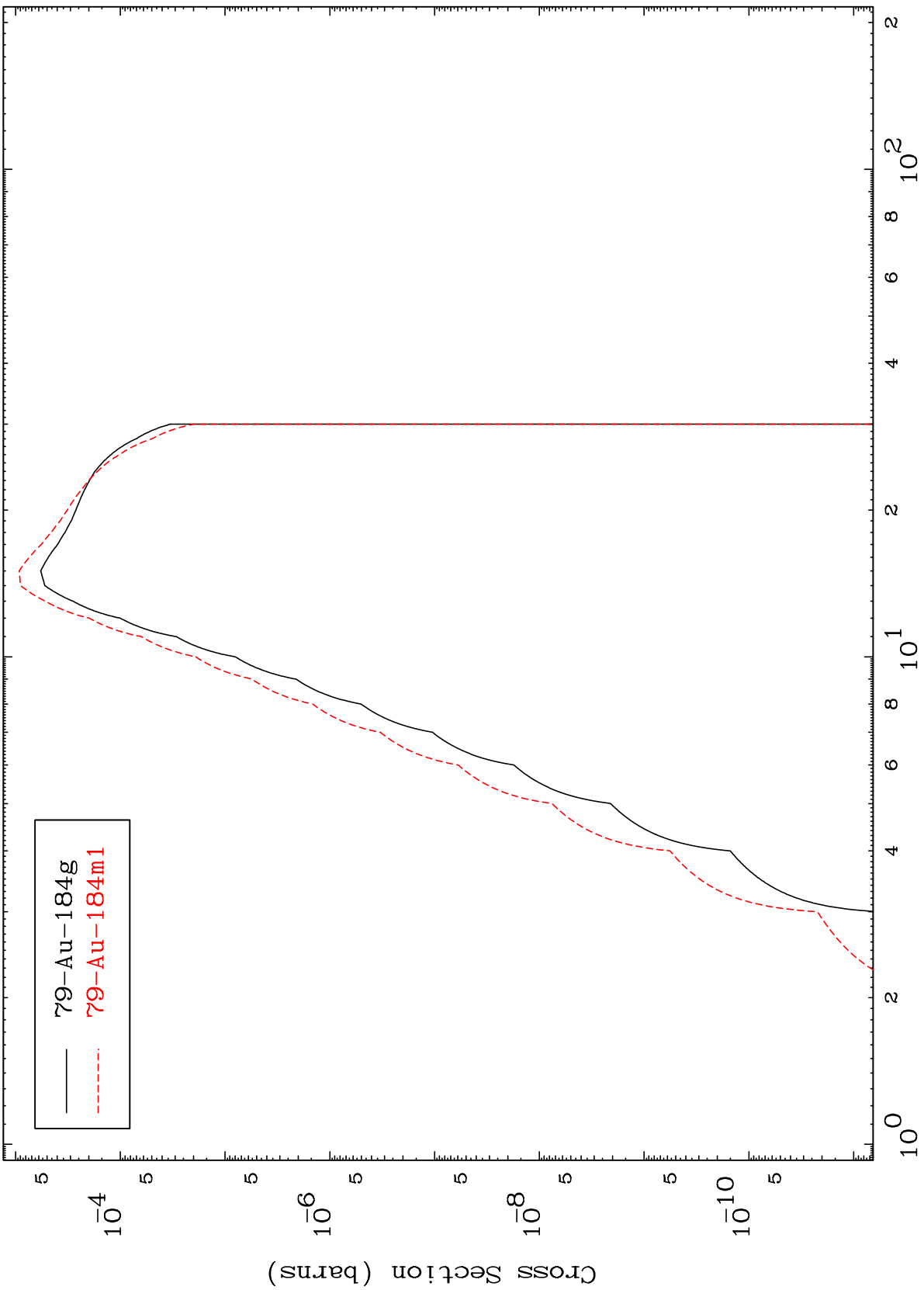
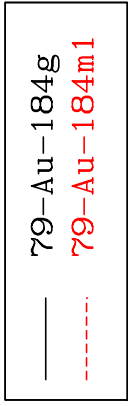
Radionuclide Production Cross Section



MAT 8080

81-Tl-188

Radionuclide Production Cross Section



Incident Energy (MeV)

81-Tl-188

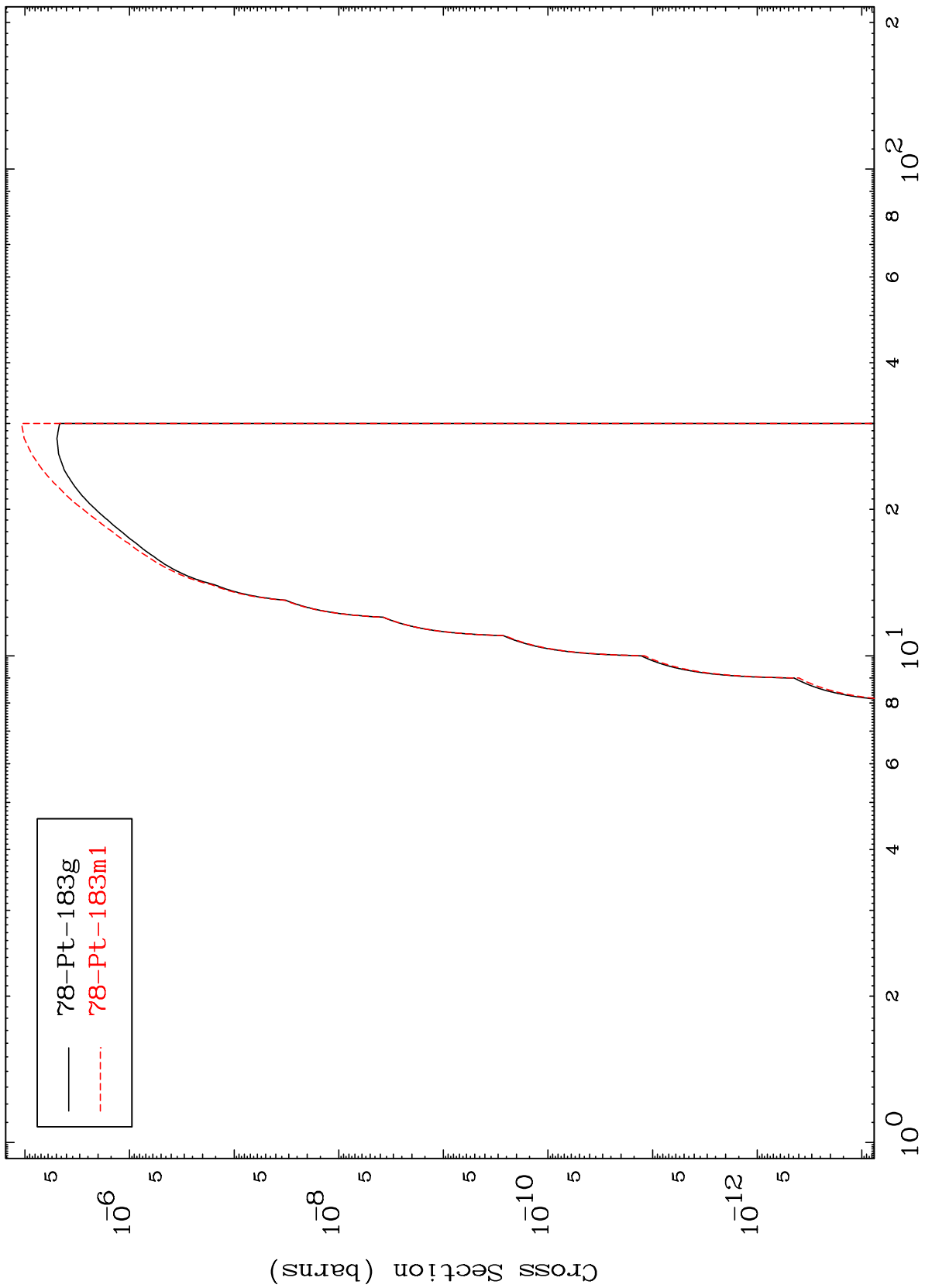
22

MAT 8080

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

81-Tl-188

Radionuclide Production Cross Section



Incident Energy (MeV)

81-Tl-188

23



MAT 8080

( $\gamma, p$ ) d

81-Tl-188

Radionuclide Production Cross Section

