

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

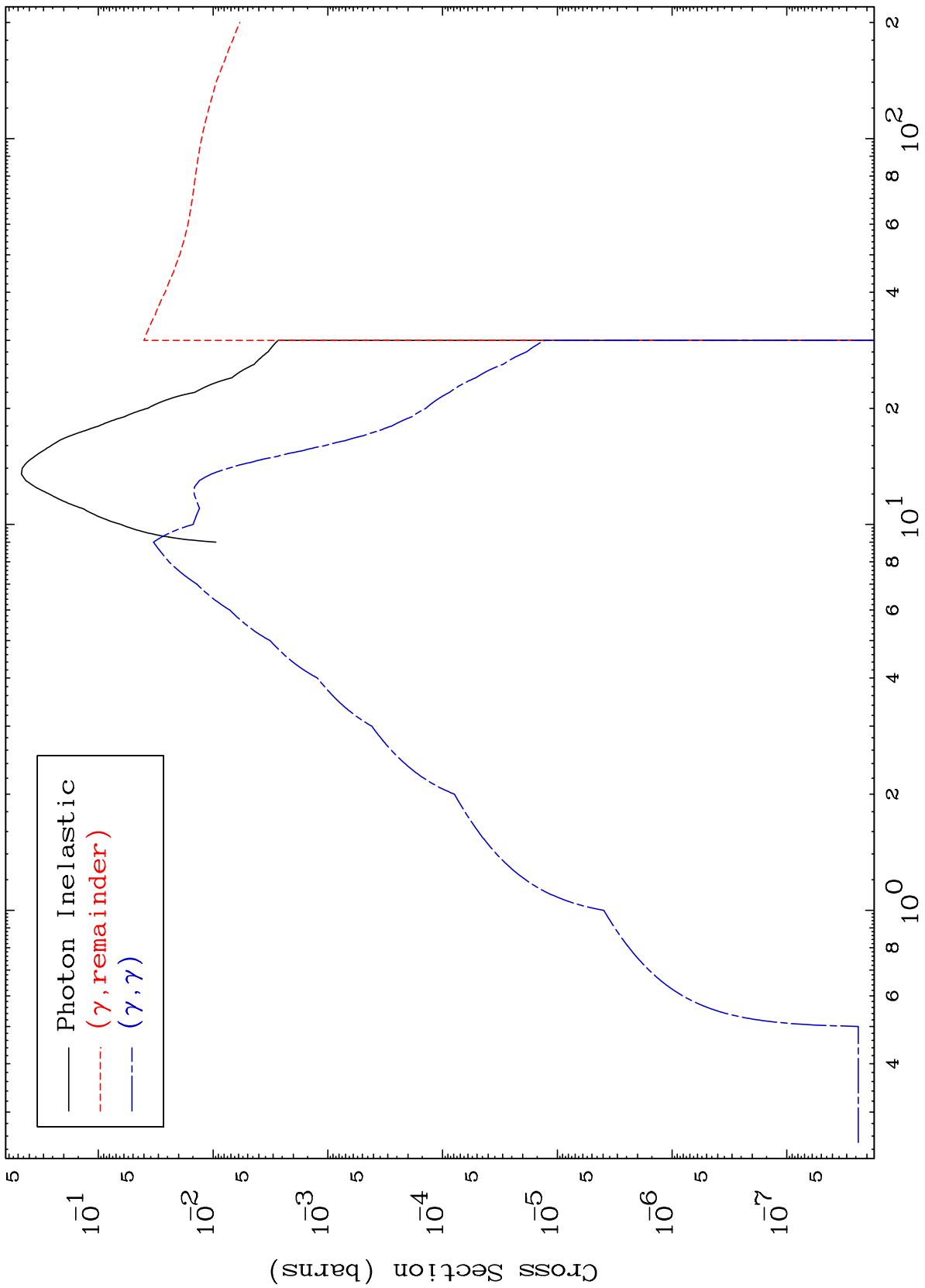
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

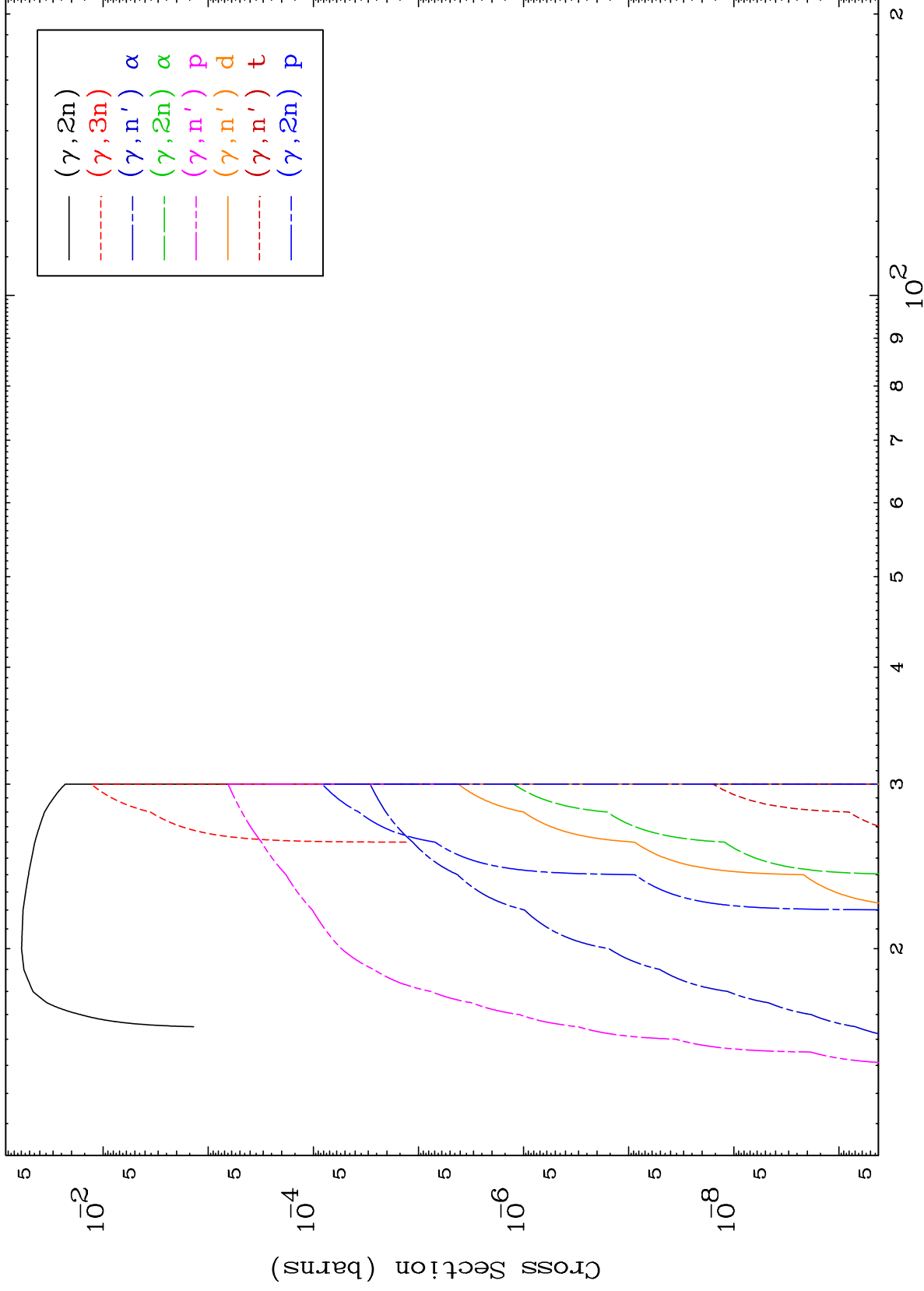
MAT 8107

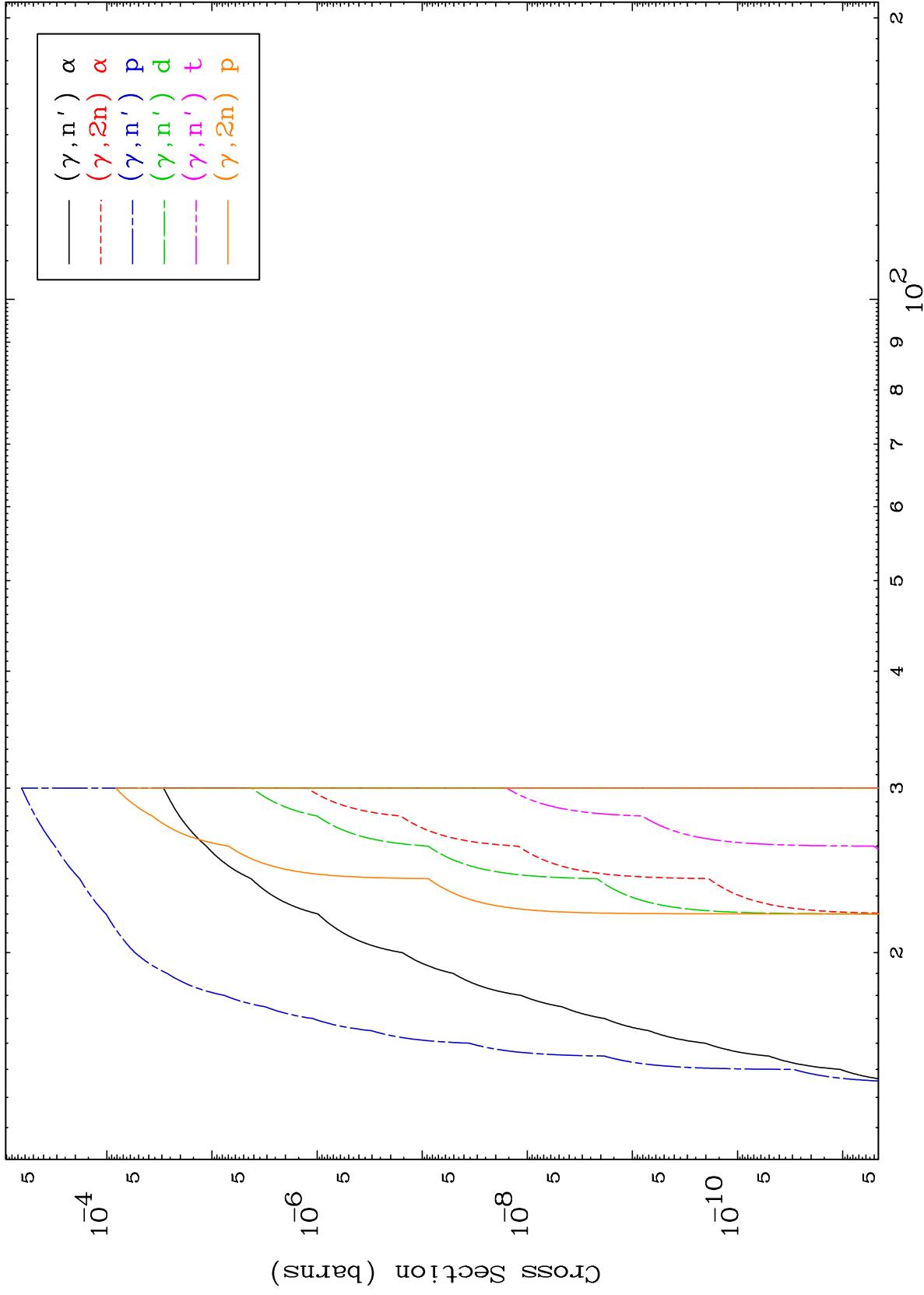
Photon Major  
0 Kelvin Cross Sections

81-T1-197



Photon Inelastic  
 $(\gamma, \text{remainder})$   
 $(\gamma, \gamma)$

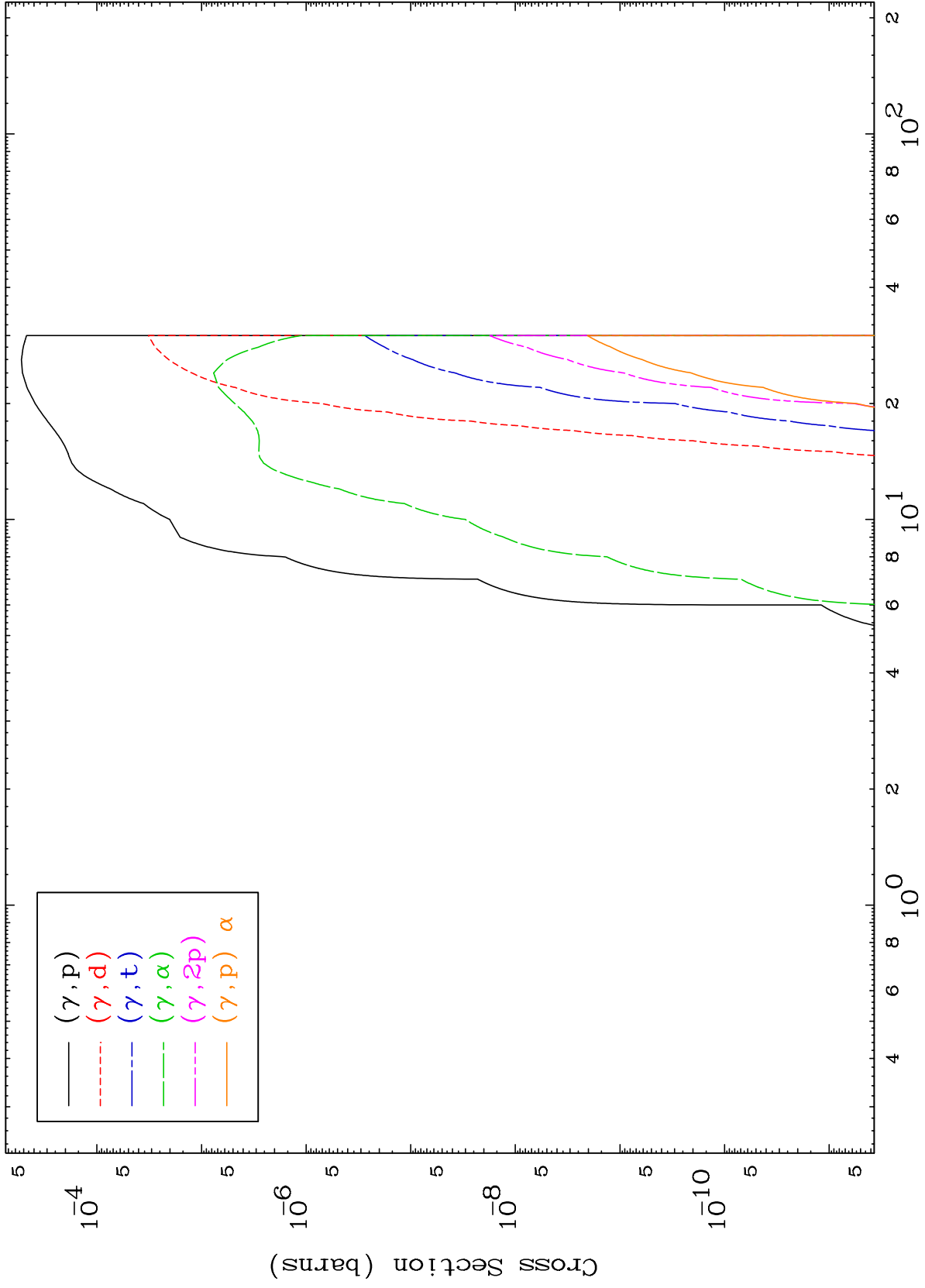




MAT 8107

Photon Charged Particle  
0 Kelvin Cross Sections

81-Tl-197

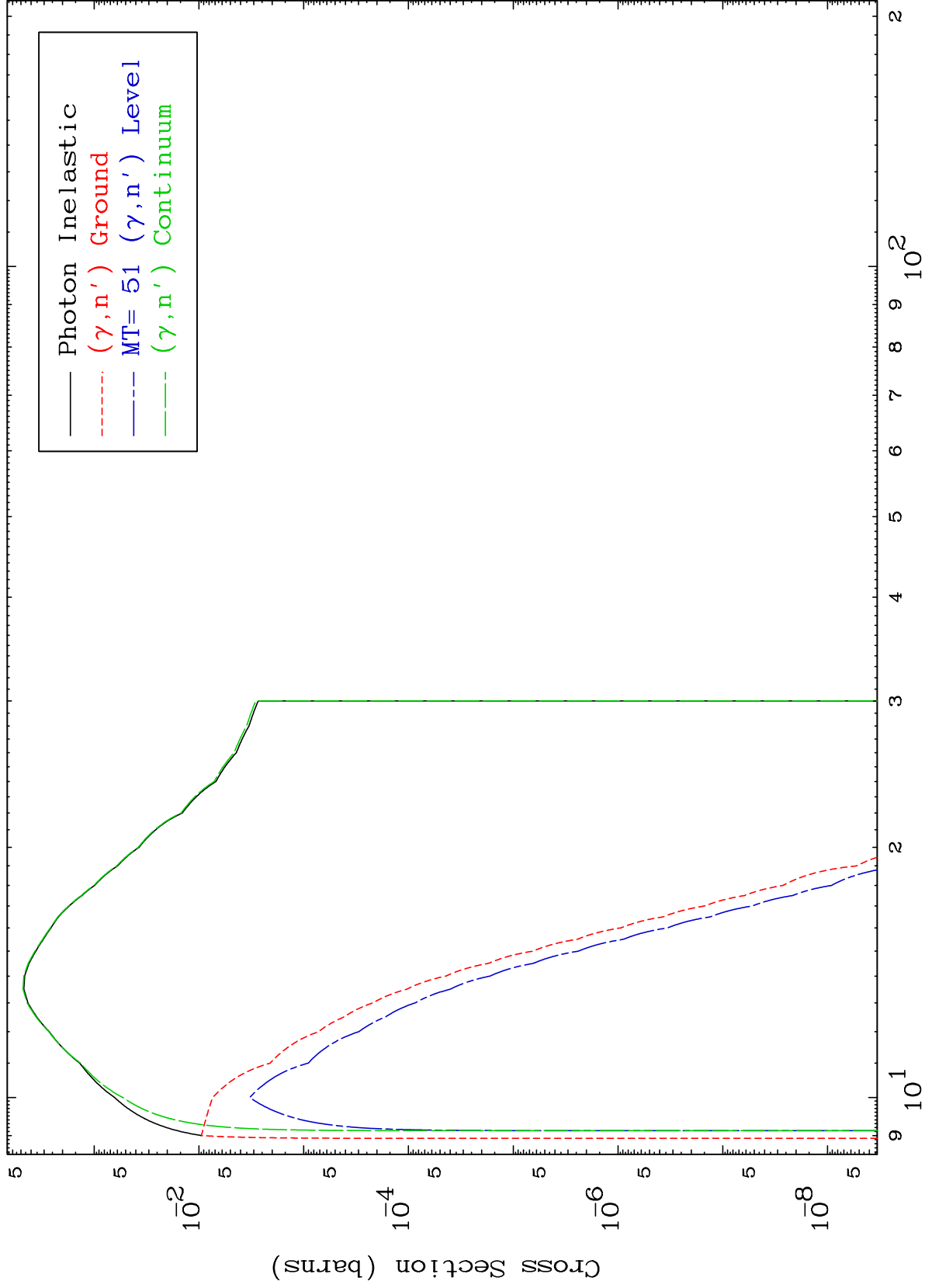


MAT 8107

$(\gamma, n')$  Level

81-Tl-197

0 Kelvin Cross Sections



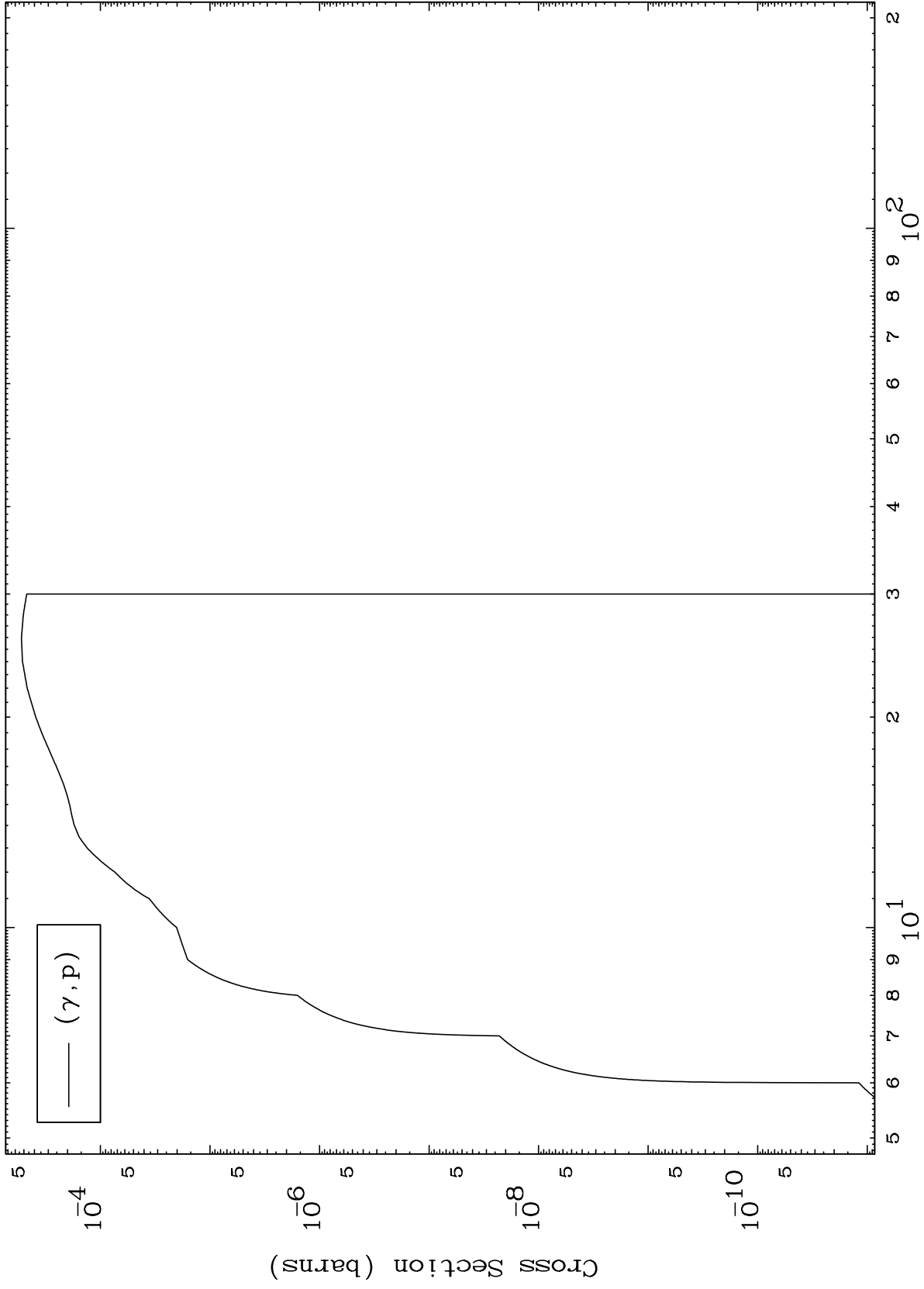
Incident Energy (MeV)

81-Tl-197

MAT 8107

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

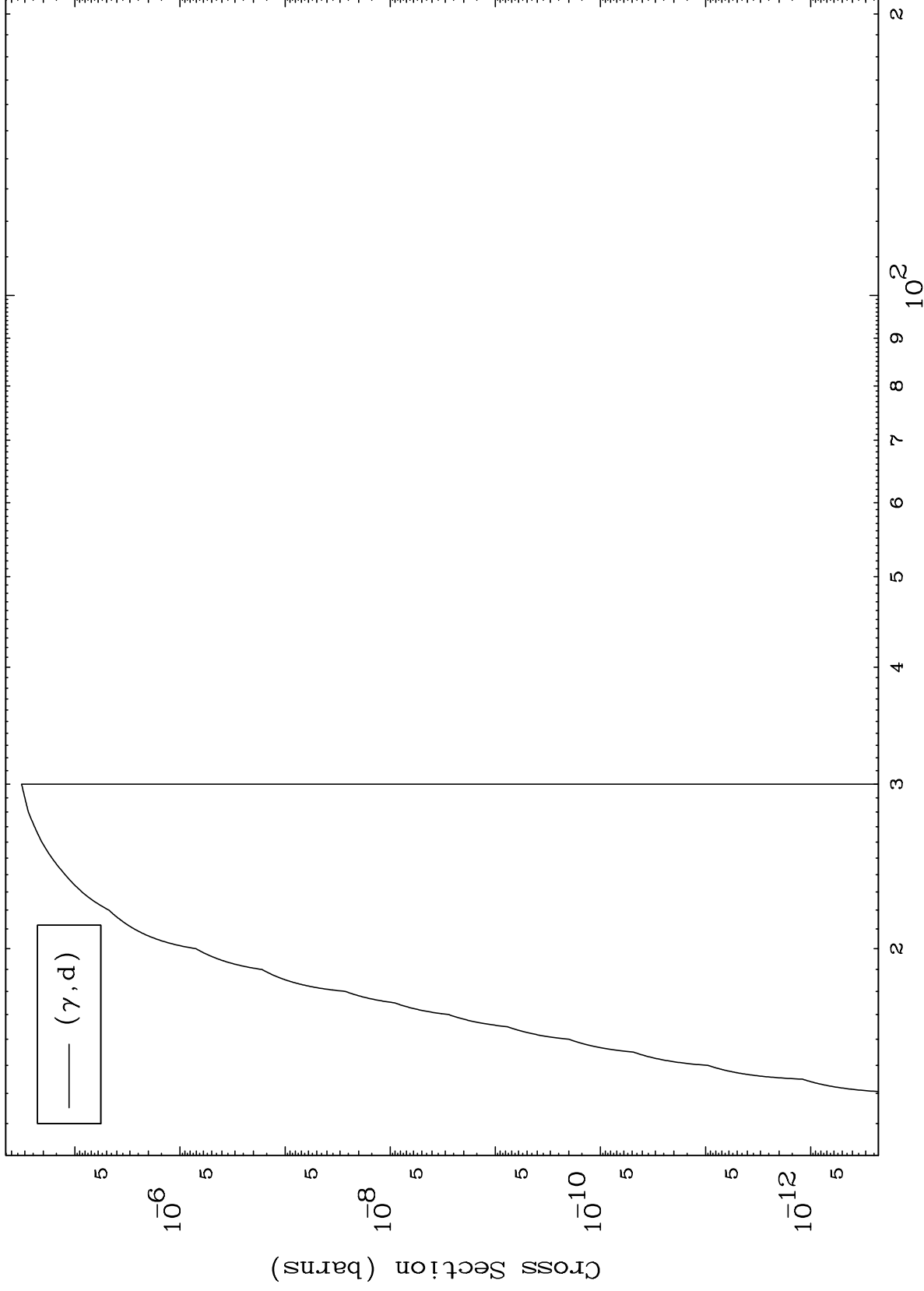
81-T1-197



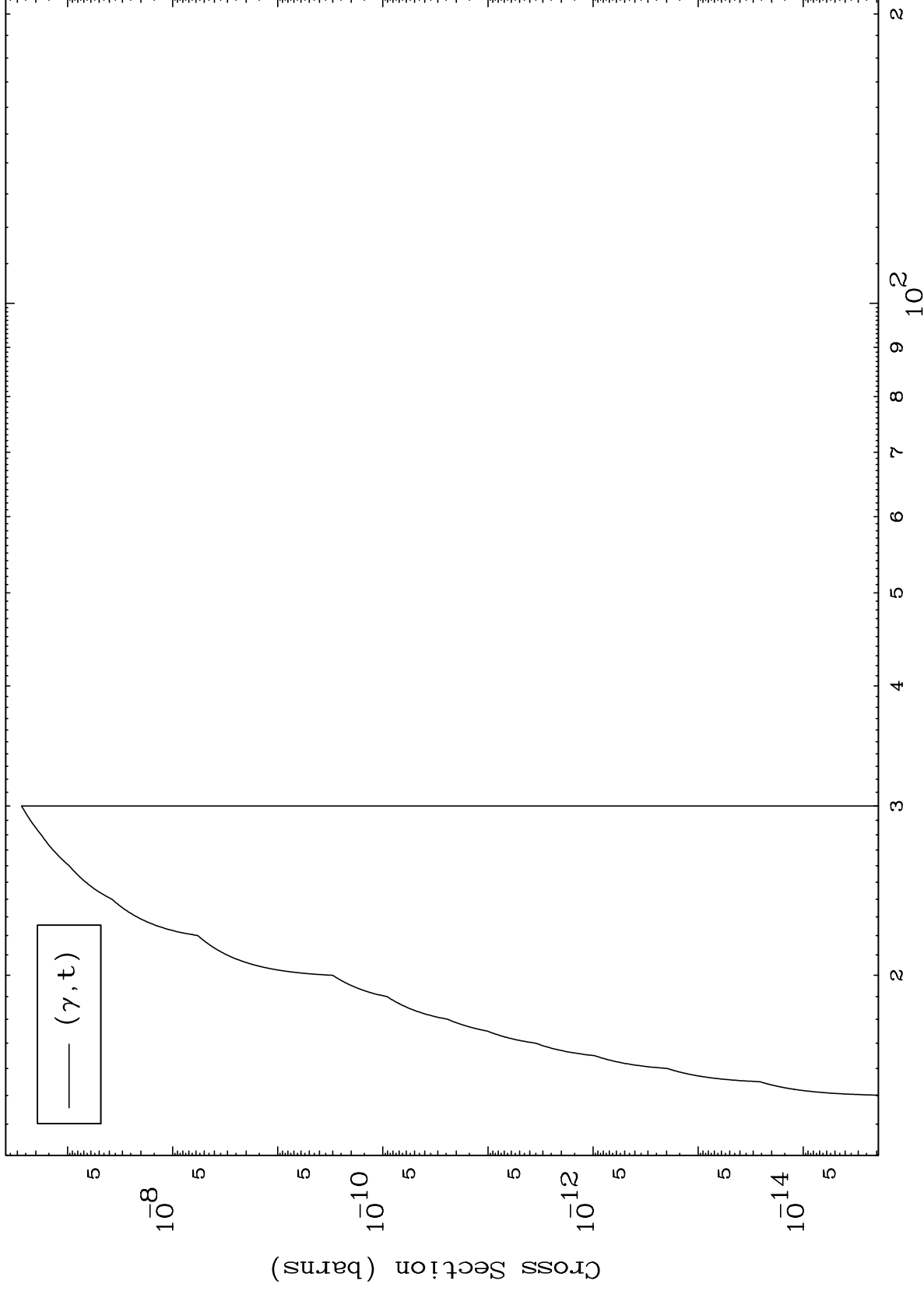
Incident Energy (MeV)

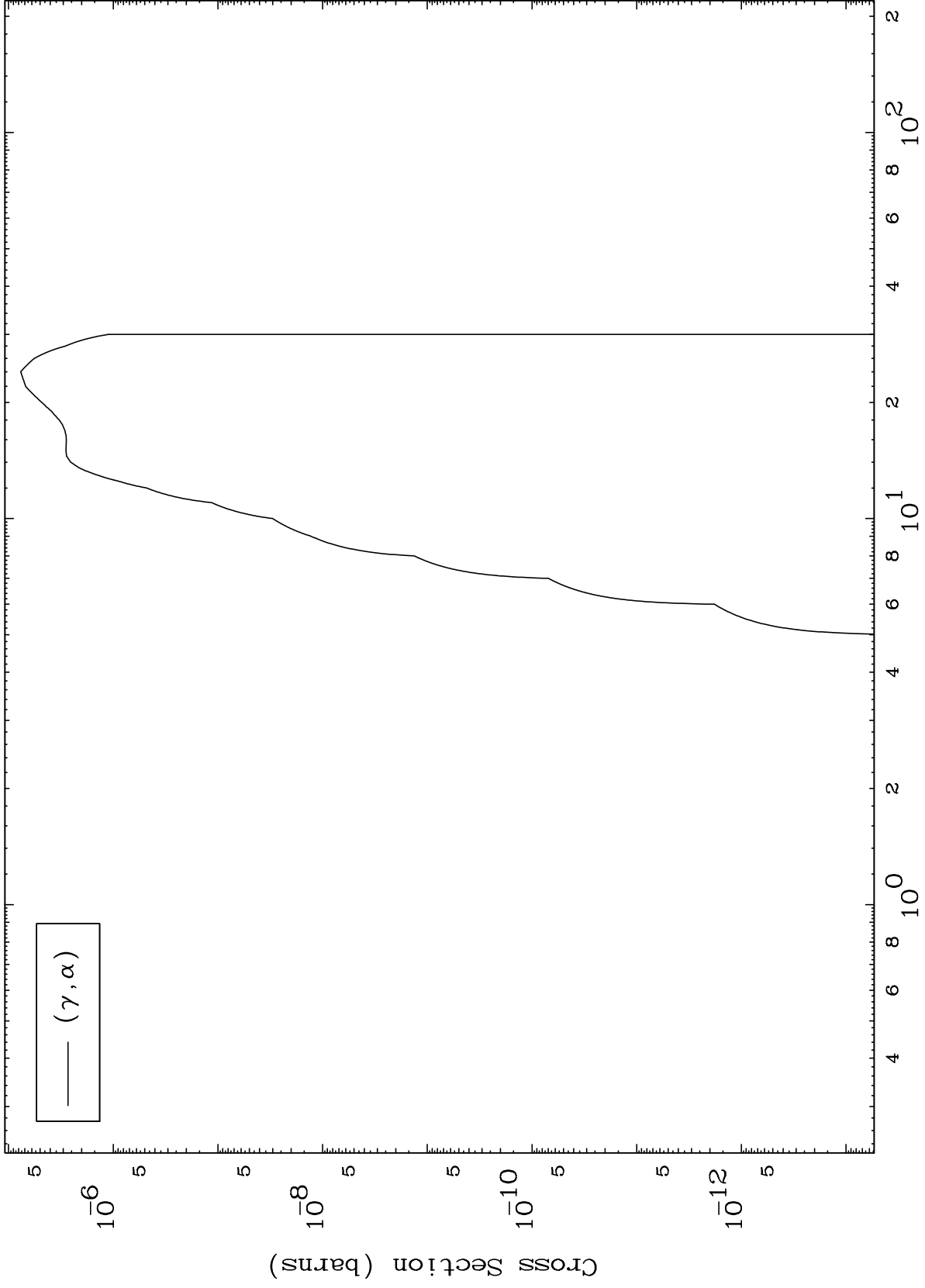
81-T1-197

6





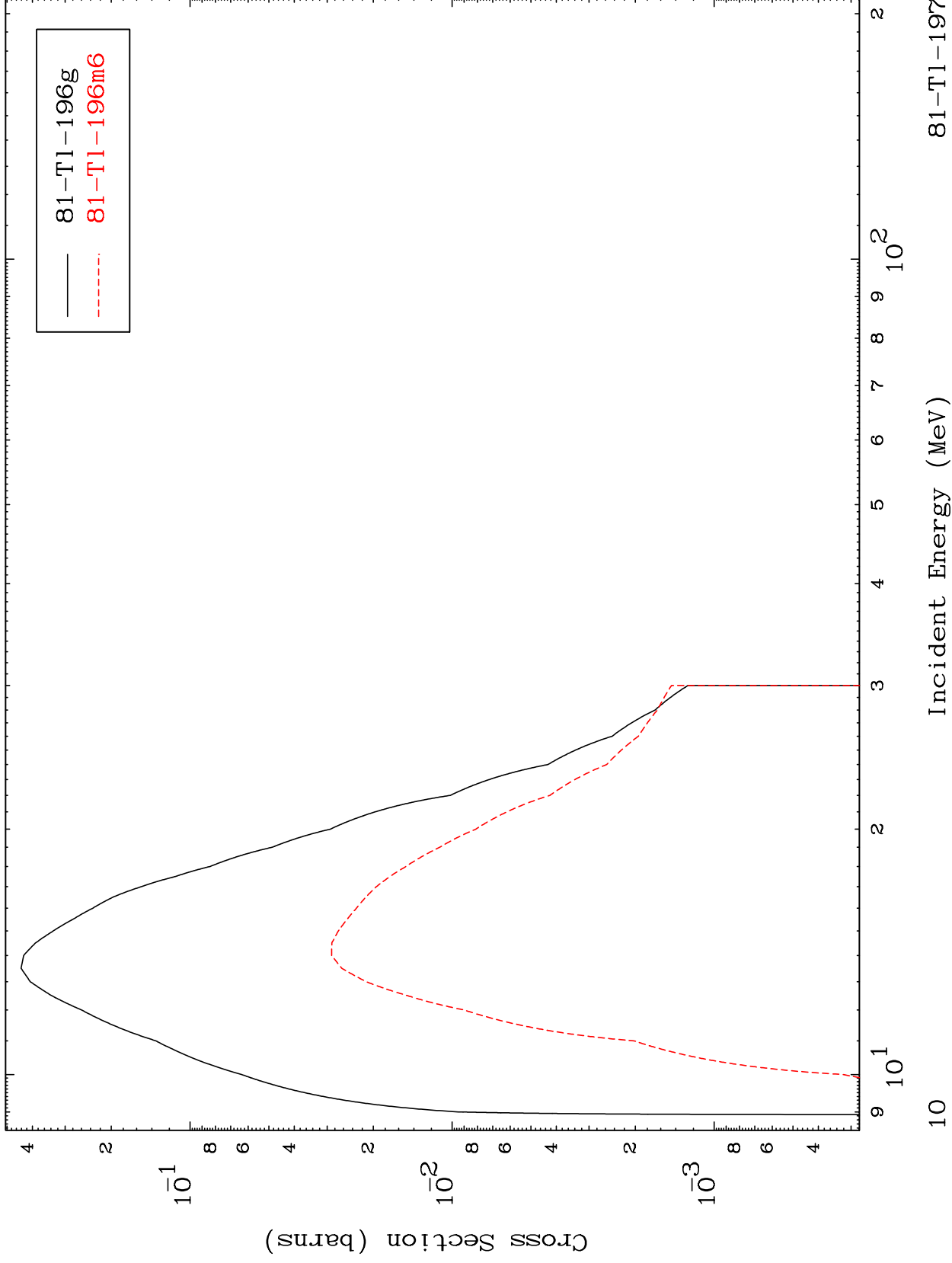




MAT 8107

Photon Inelastic  
Radionuclide Production Cross Section

81-Tl-197



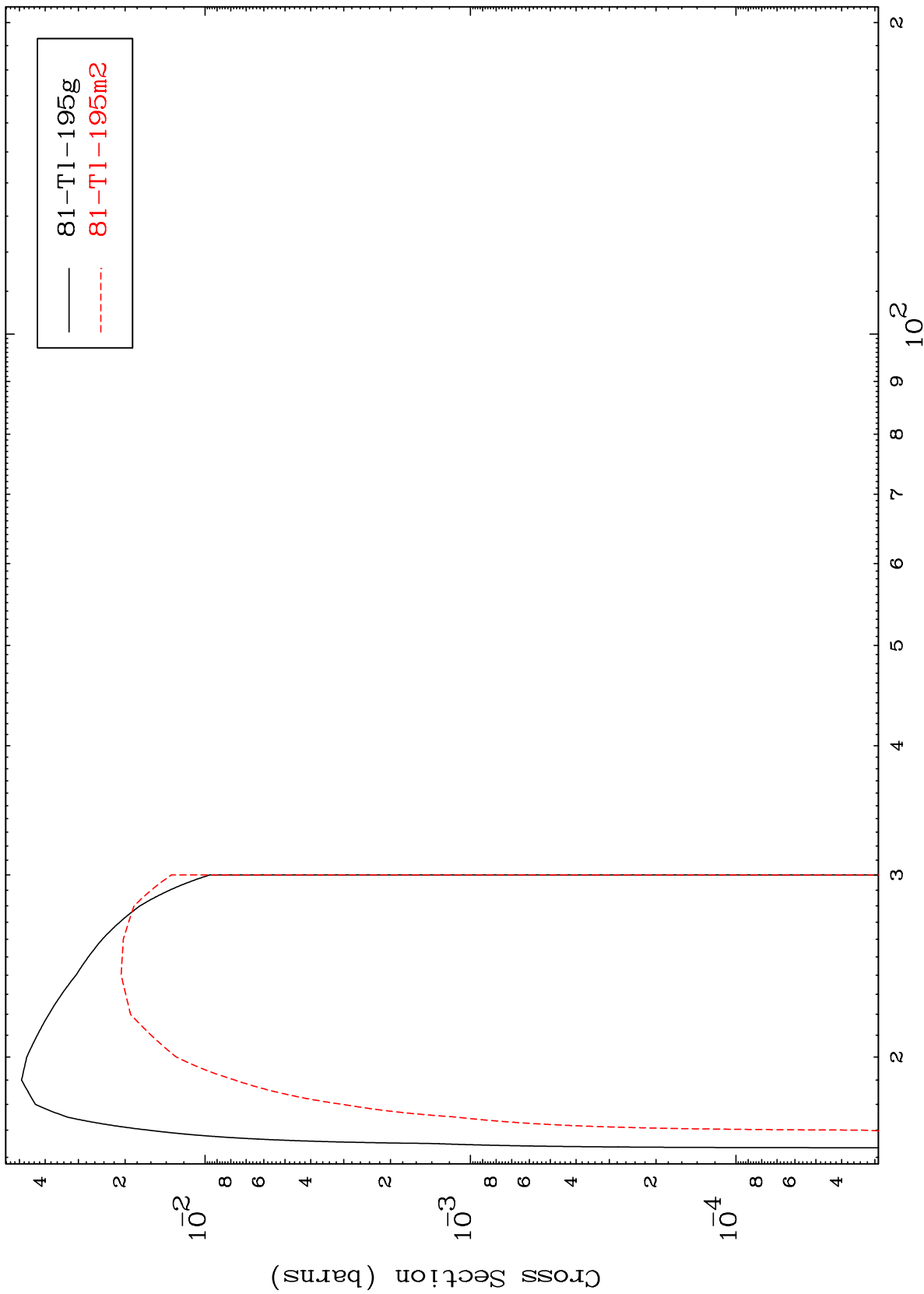
81-Tl-197

Incident Energy (MeV)

MAT 8107

81-Tl-197

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



11

Incident Energy (MeV)

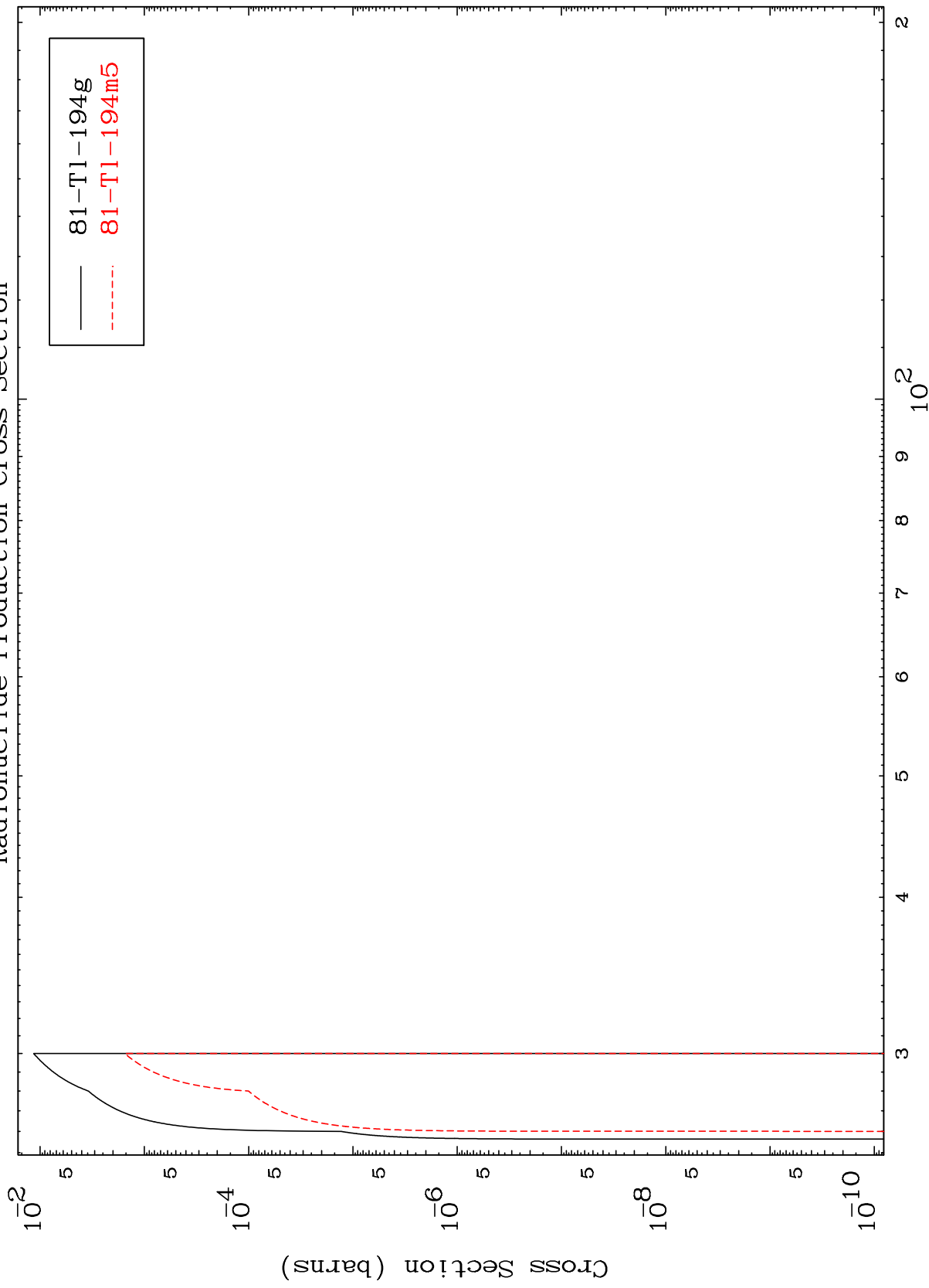
81-Tl-197

MAT 8107

81-Tl-197

( $\gamma, 3n$ )

Radionuclide Production Cross Section



12

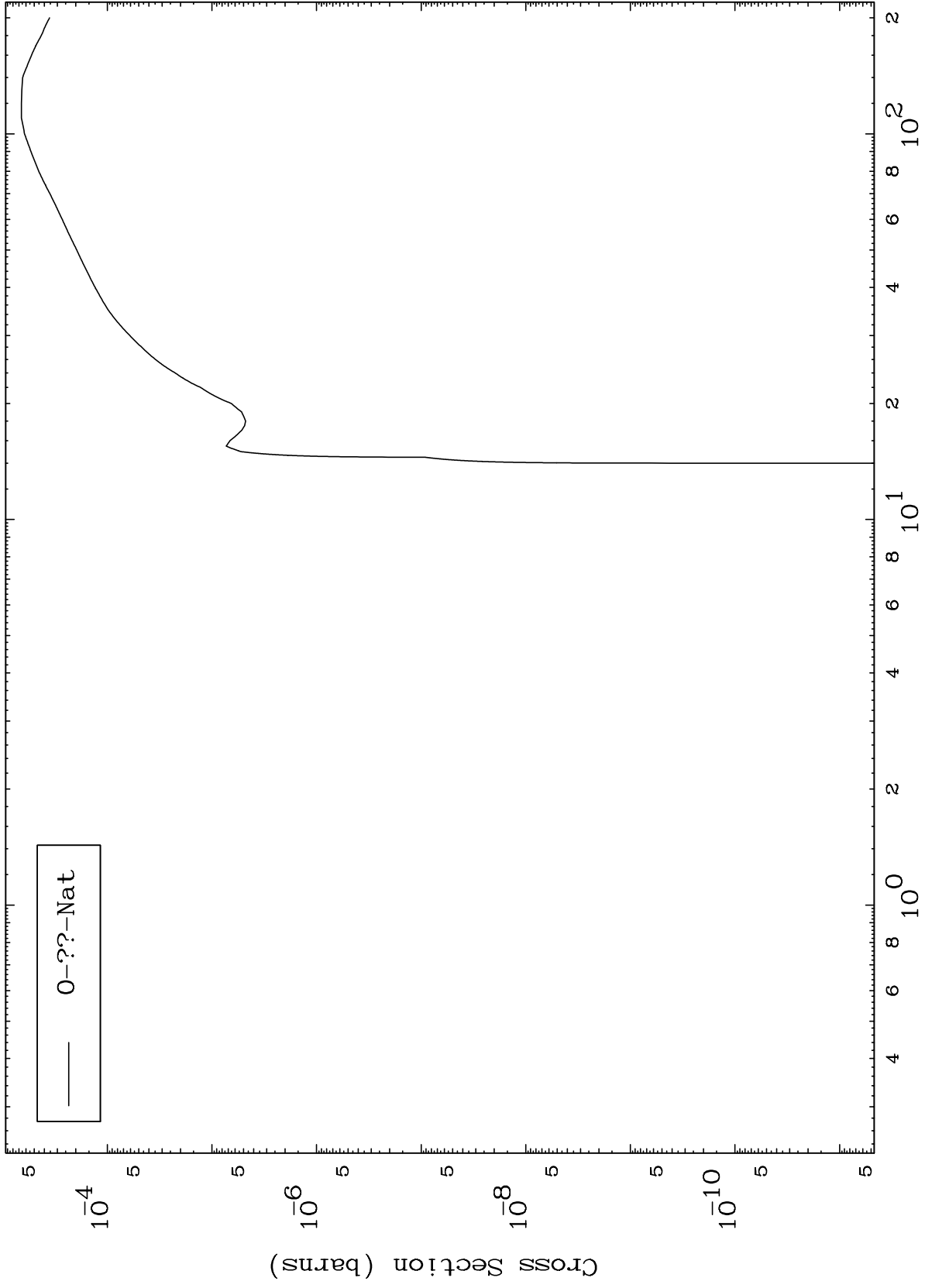
Incident Energy (MeV)

81-Tl-197

MAT 8107

81-Tl-197

Photon Fission  
Radionuclide Production Cross Section

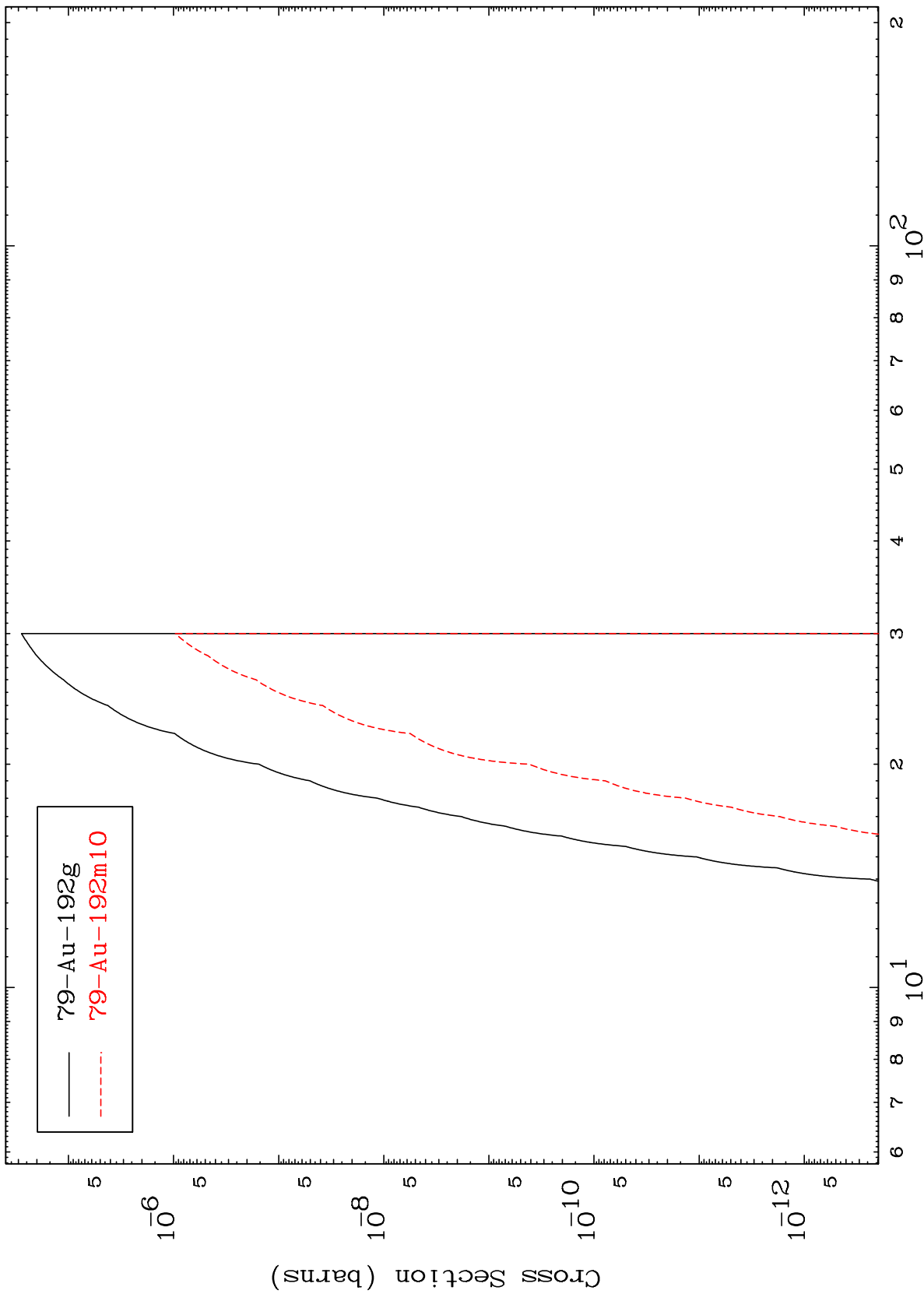


MAT 8107

81-Tl-197

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

Radionuclide Production Cross Section



14

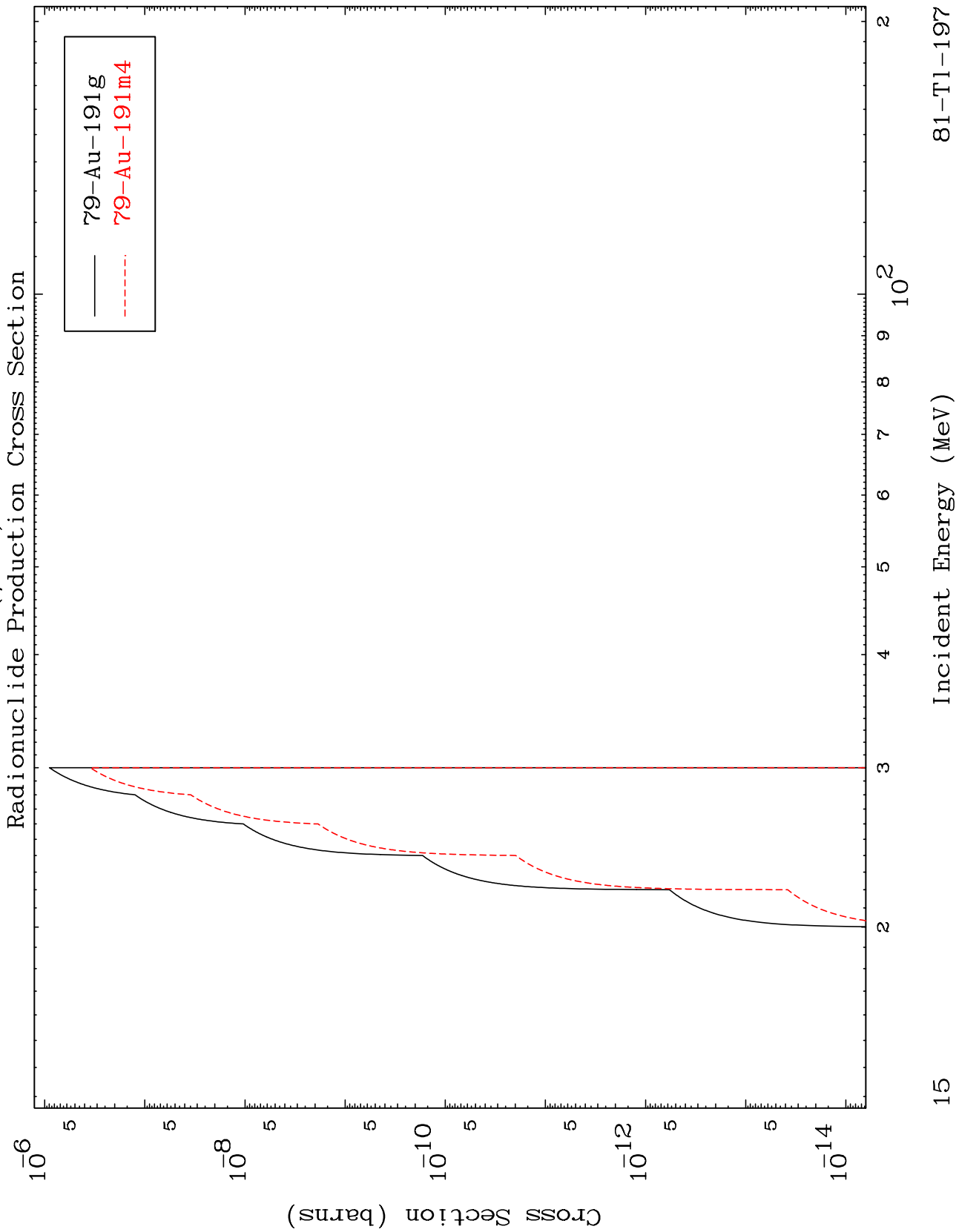
Incident Energy (MeV)

81-Tl-197

MAT 8107

$(\gamma, 2n) \alpha$

81-T1-197

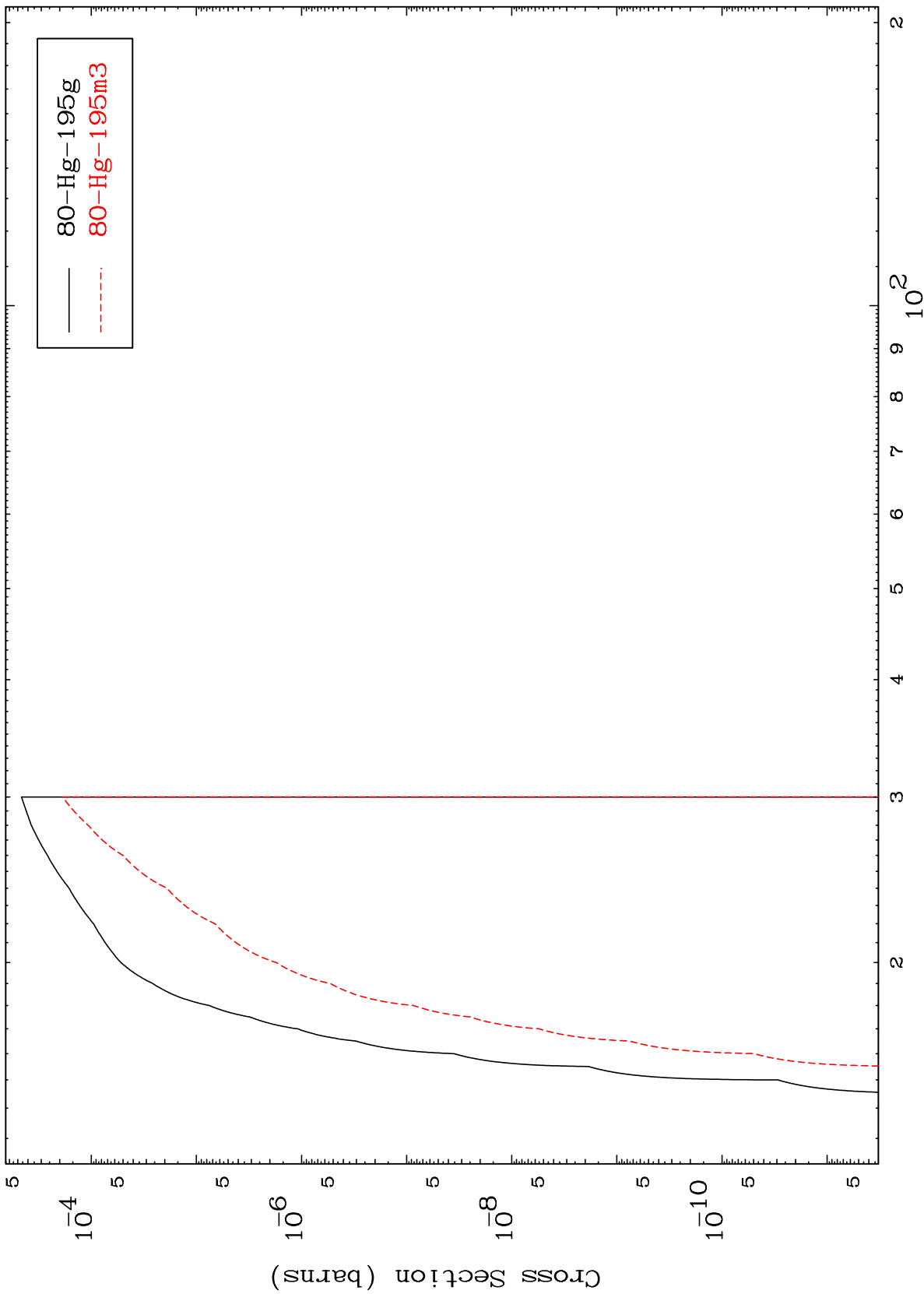


15

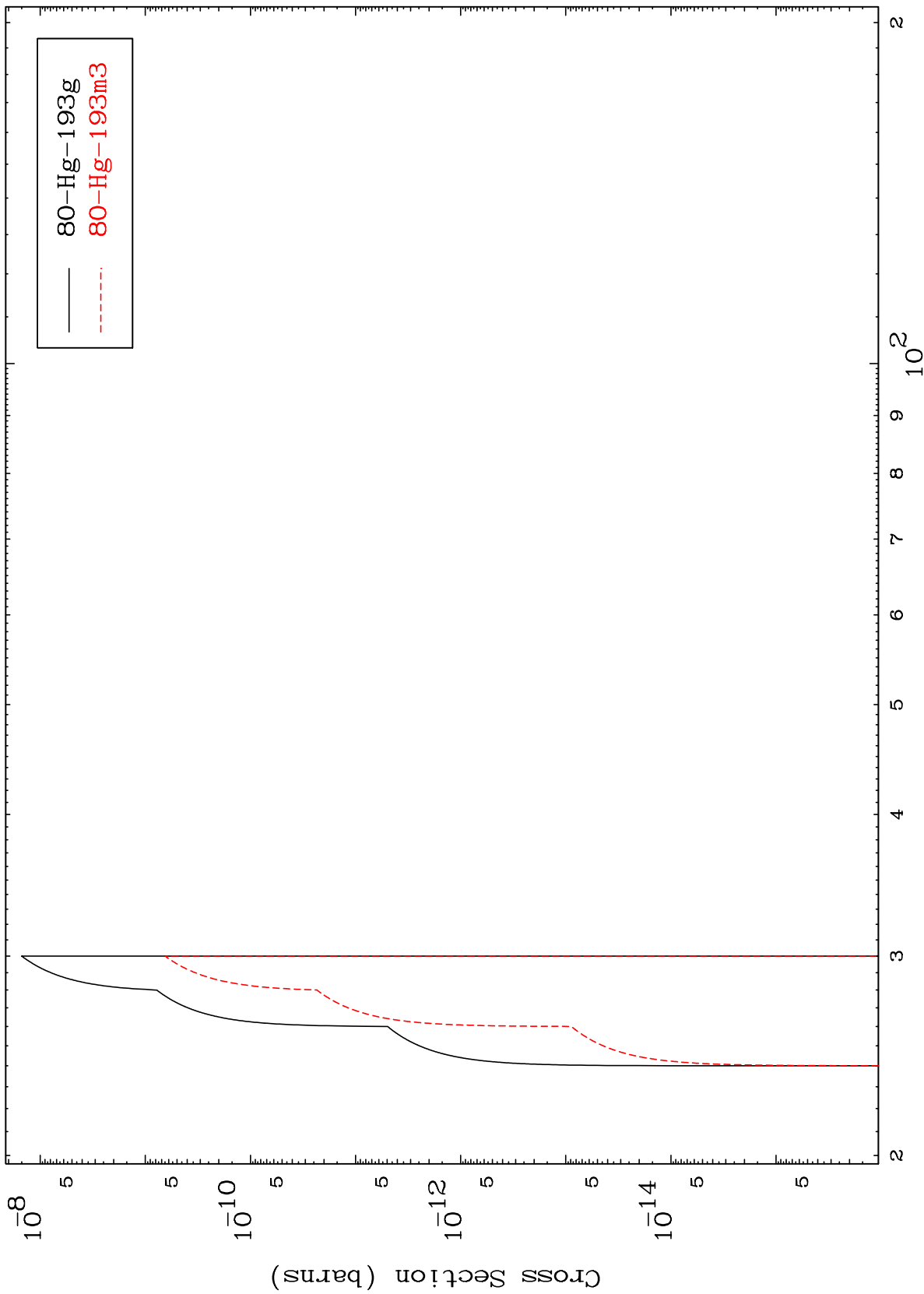
81-T1-197



Radionuclide Production Cross Section



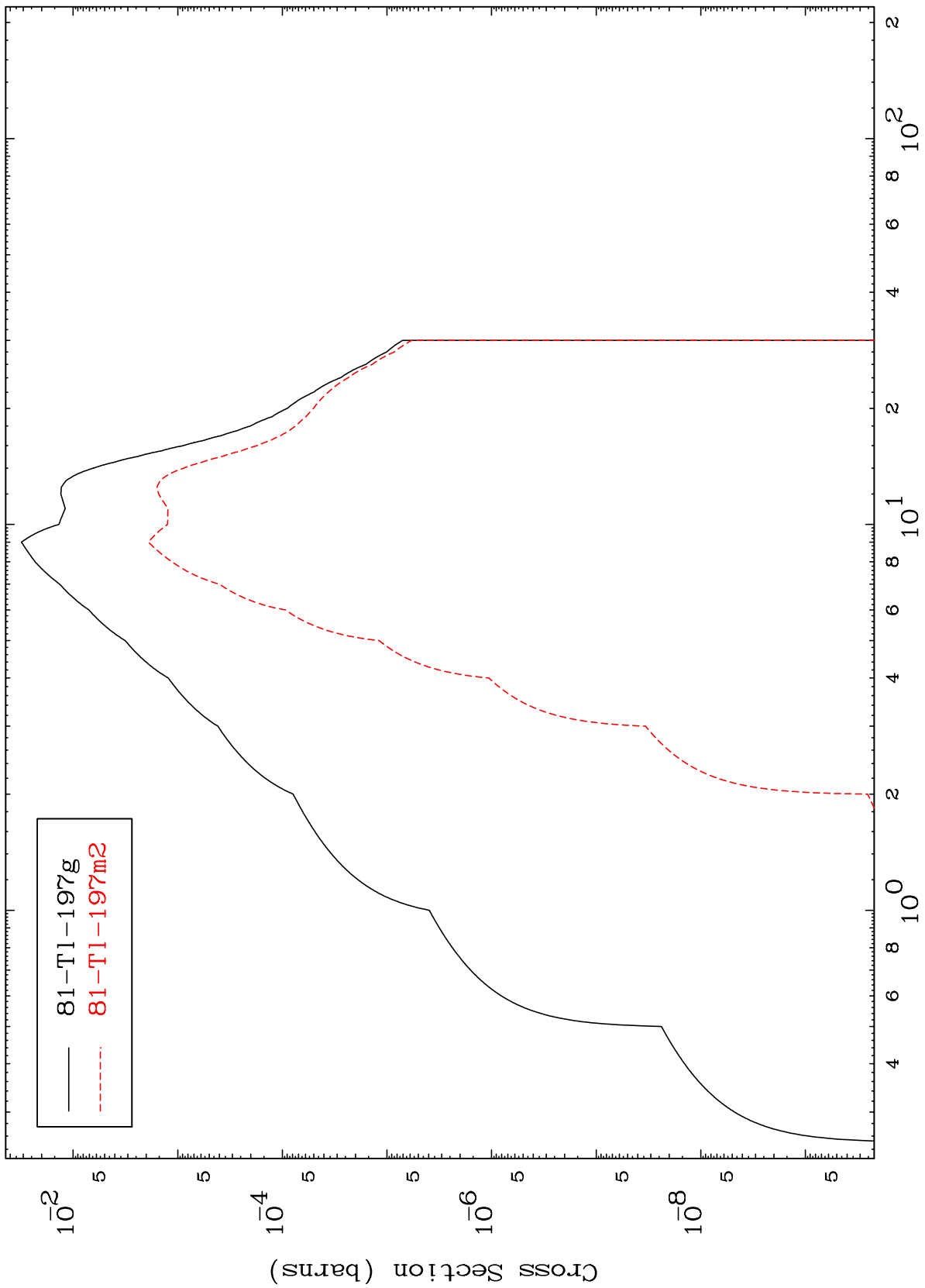
Radionuclide Production Cross Section



MAT 8107

81-Tl-197

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



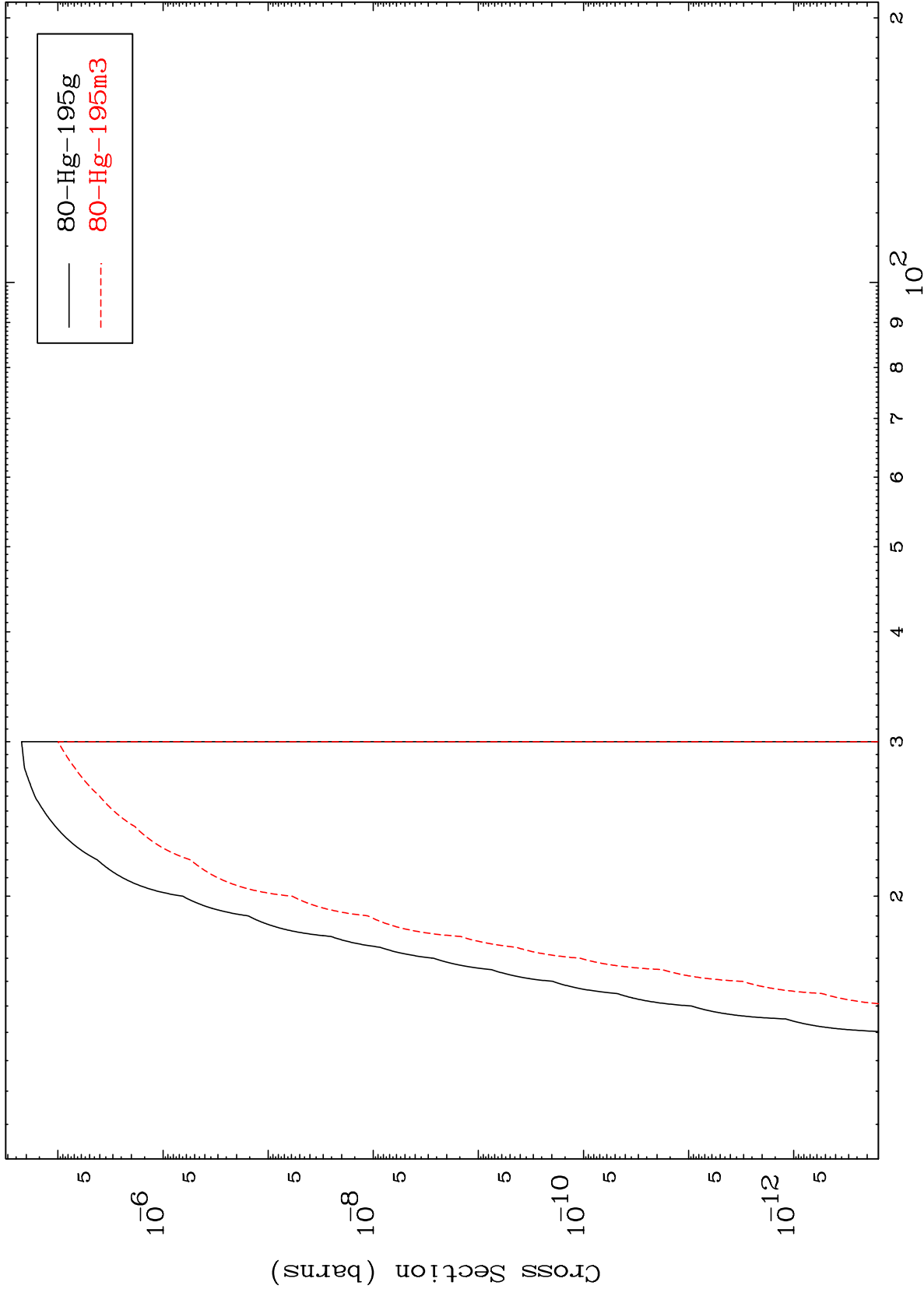
— 81-Tl-197g  
- - - 81-Tl-197m2

18

Incident Energy (MeV)

81-Tl-197

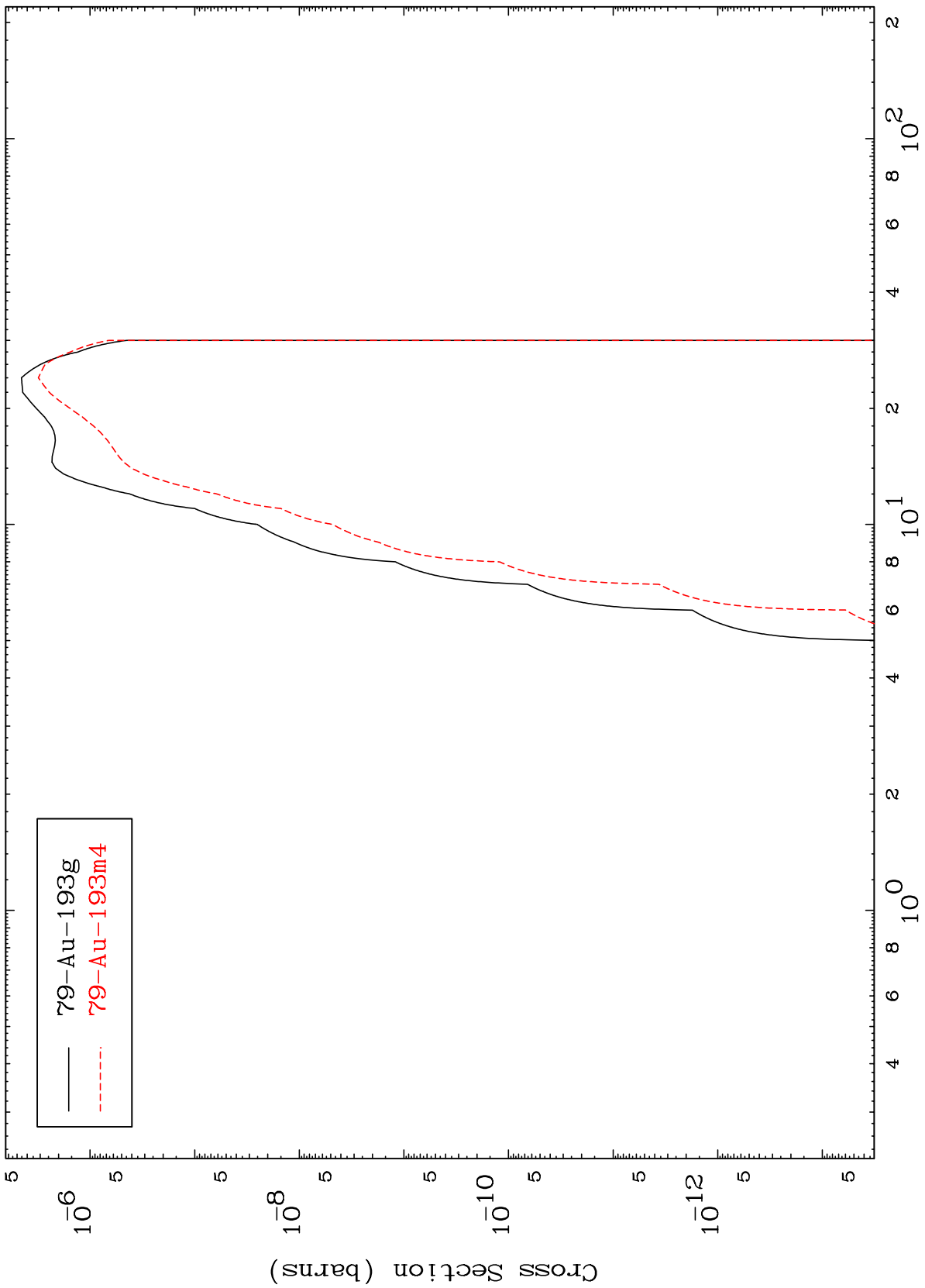
( $\gamma, d$ )  
Radionuclide Production Cross Section



MAT 8107

81-Tl-197

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



—  $^{193}\text{gAu}$   
- - -  $^{193}\text{m4Au}$

20

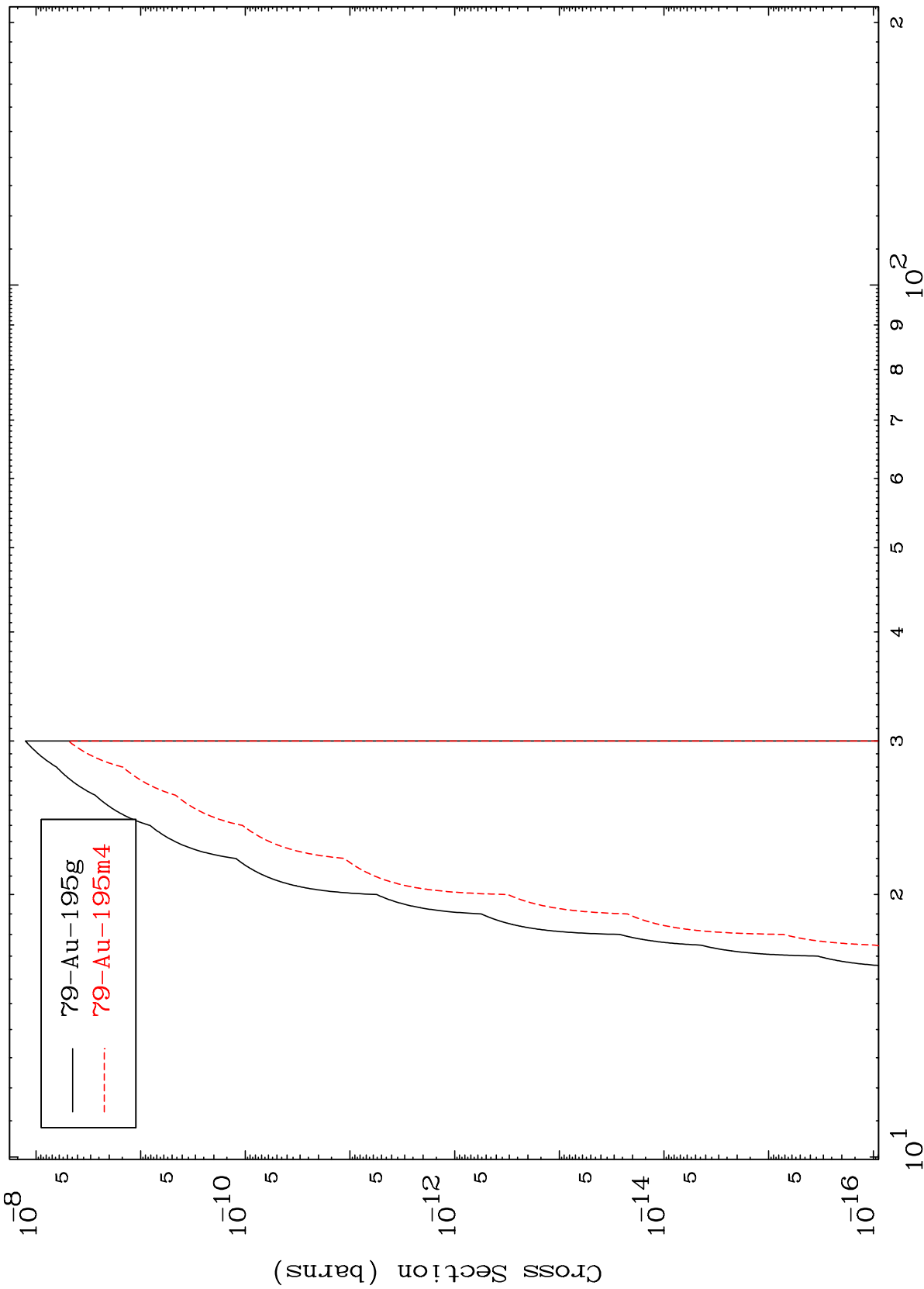
Incident Energy (MeV)

81-Tl-197

MAT 8107

81-Tl-197

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



81-Tl-197

Incident Energy (MeV)

21