

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

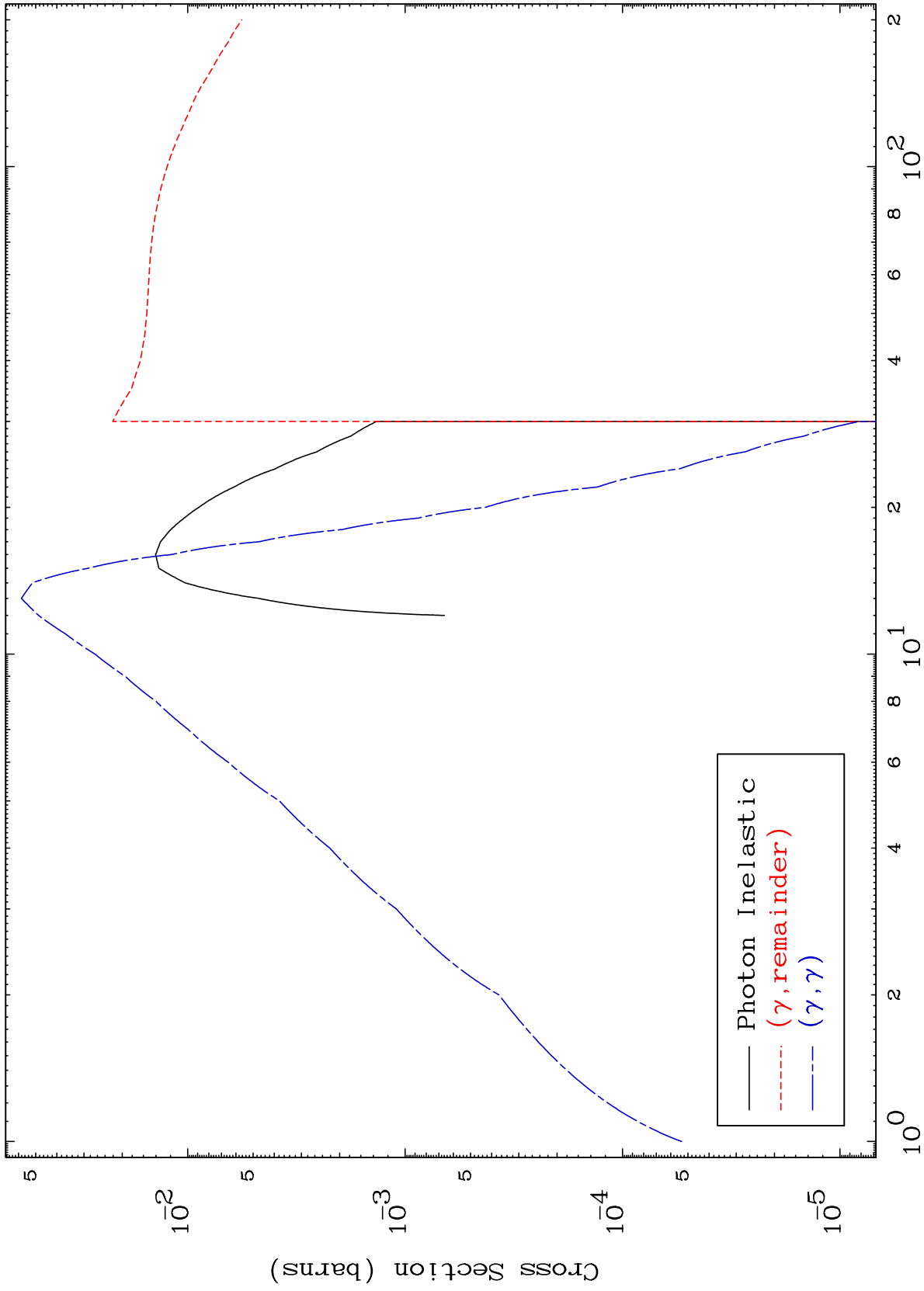
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8059

Photon Major  
0 Kelvin Cross Sections

81-Tl-181



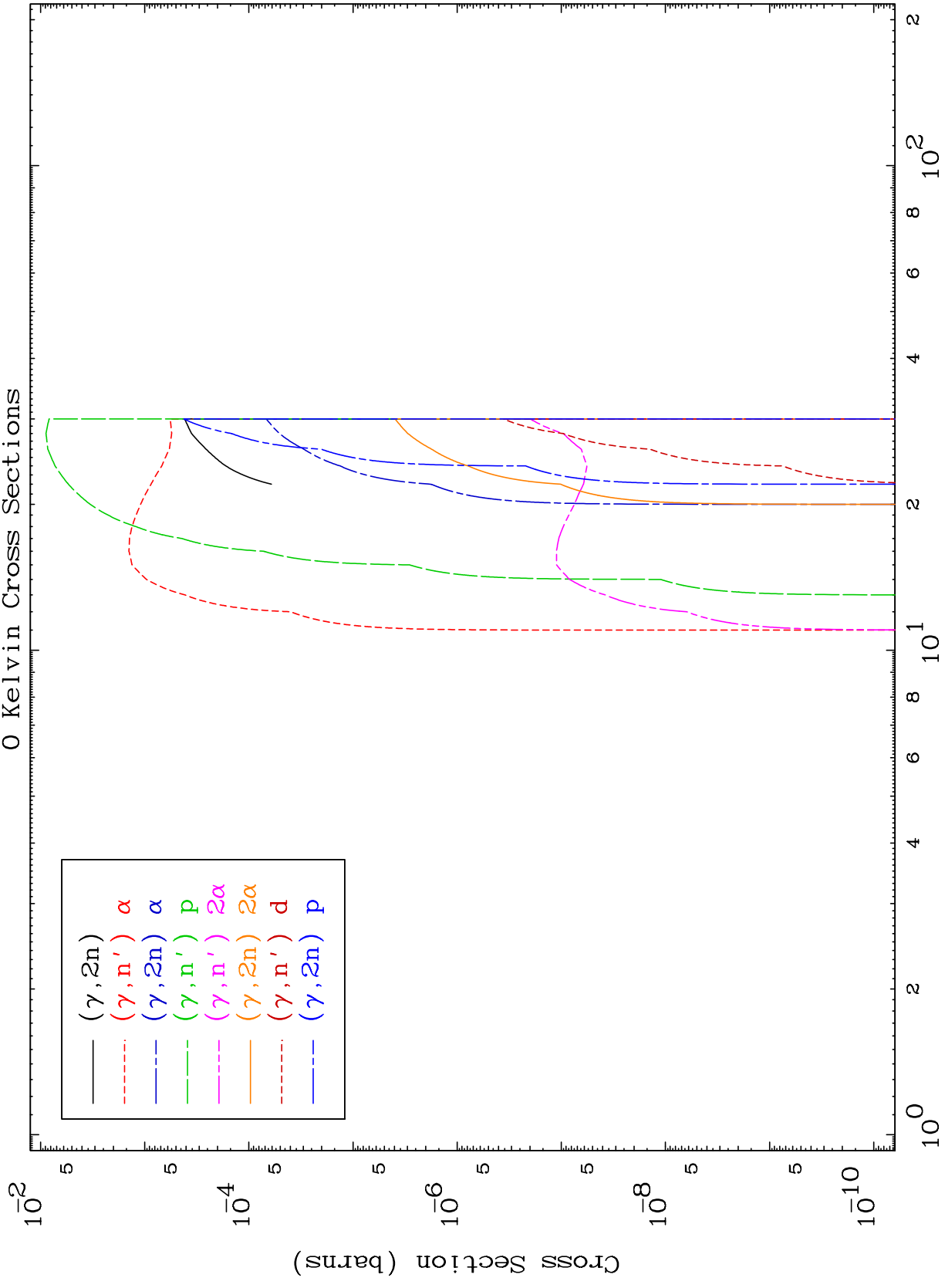
Incident Energy (MeV)

81-Tl-181

MAT 8059

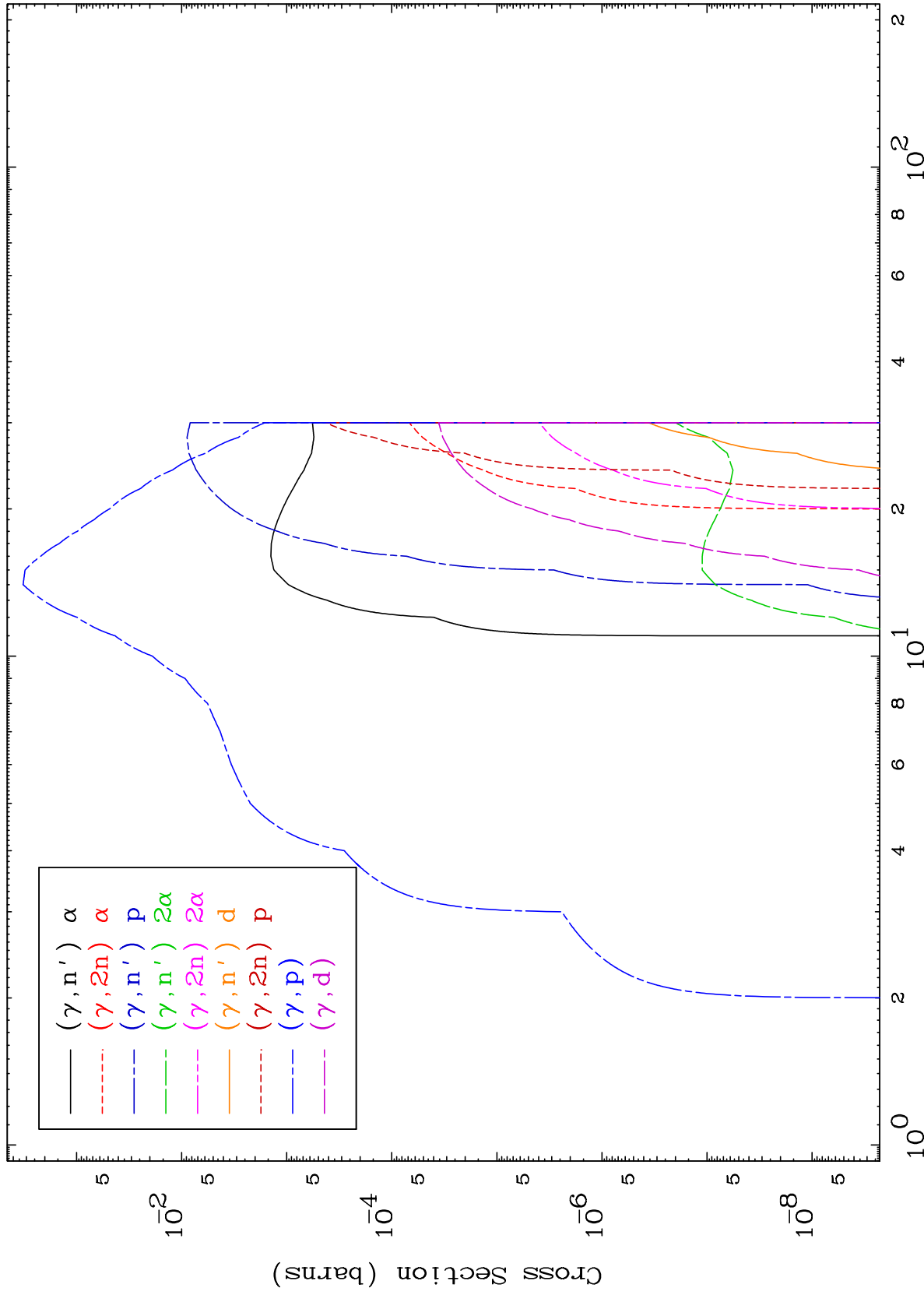
Photon Neutron Production  
0 Kelvin Cross Sections

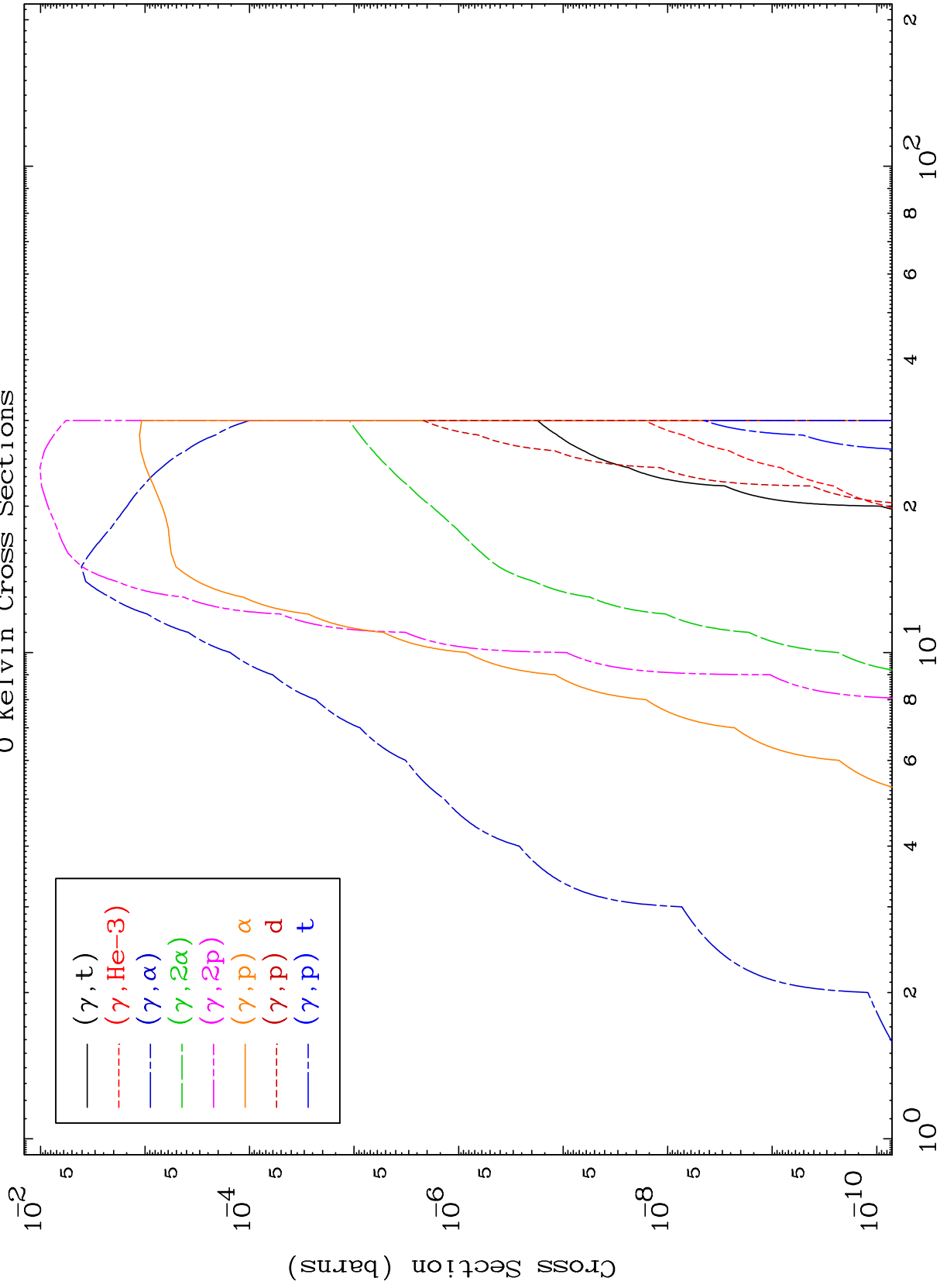
81-Tl-181



Incident Energy (MeV)

81-Tl-181

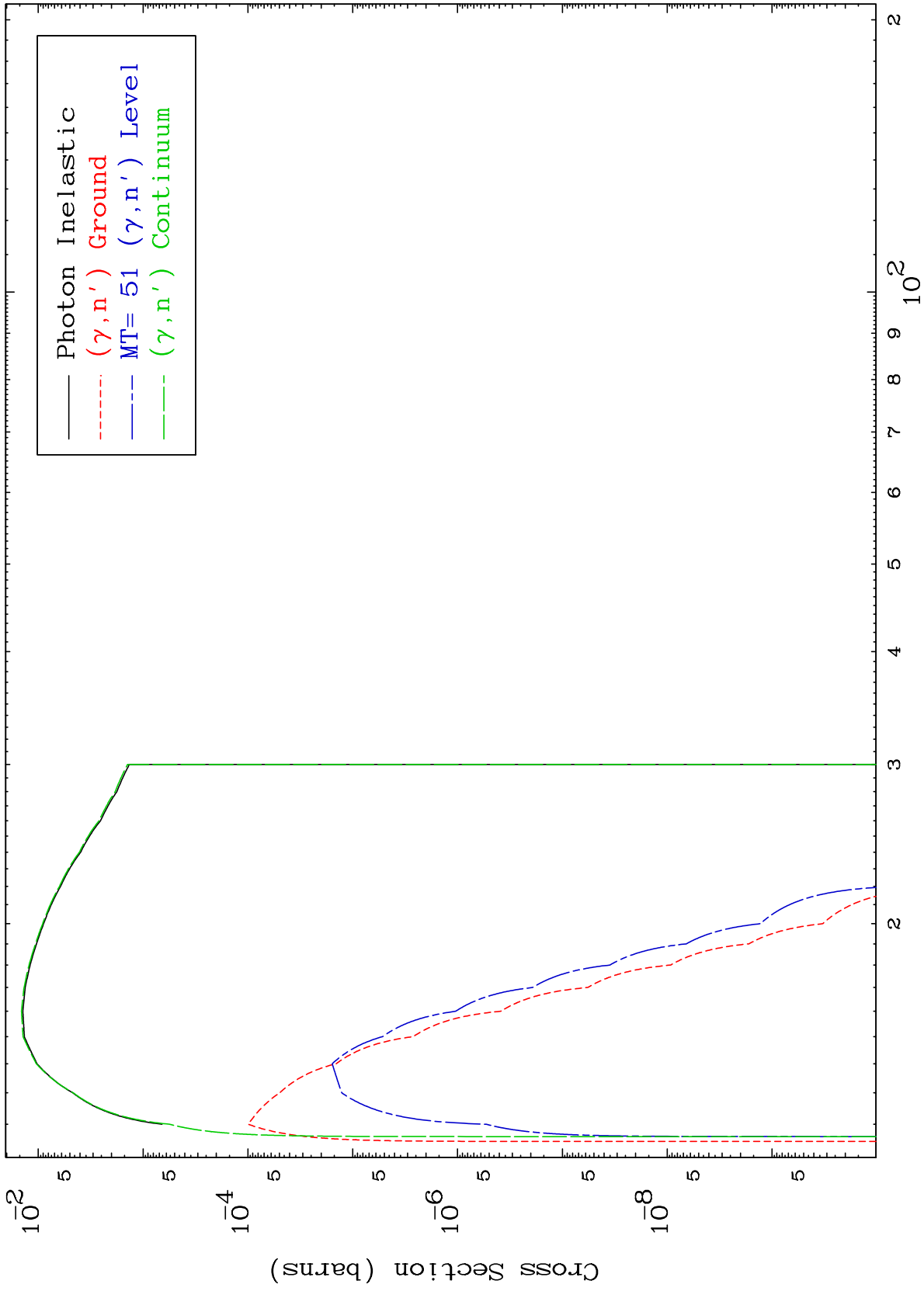




MAT 8059

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

81-Tl-181



5

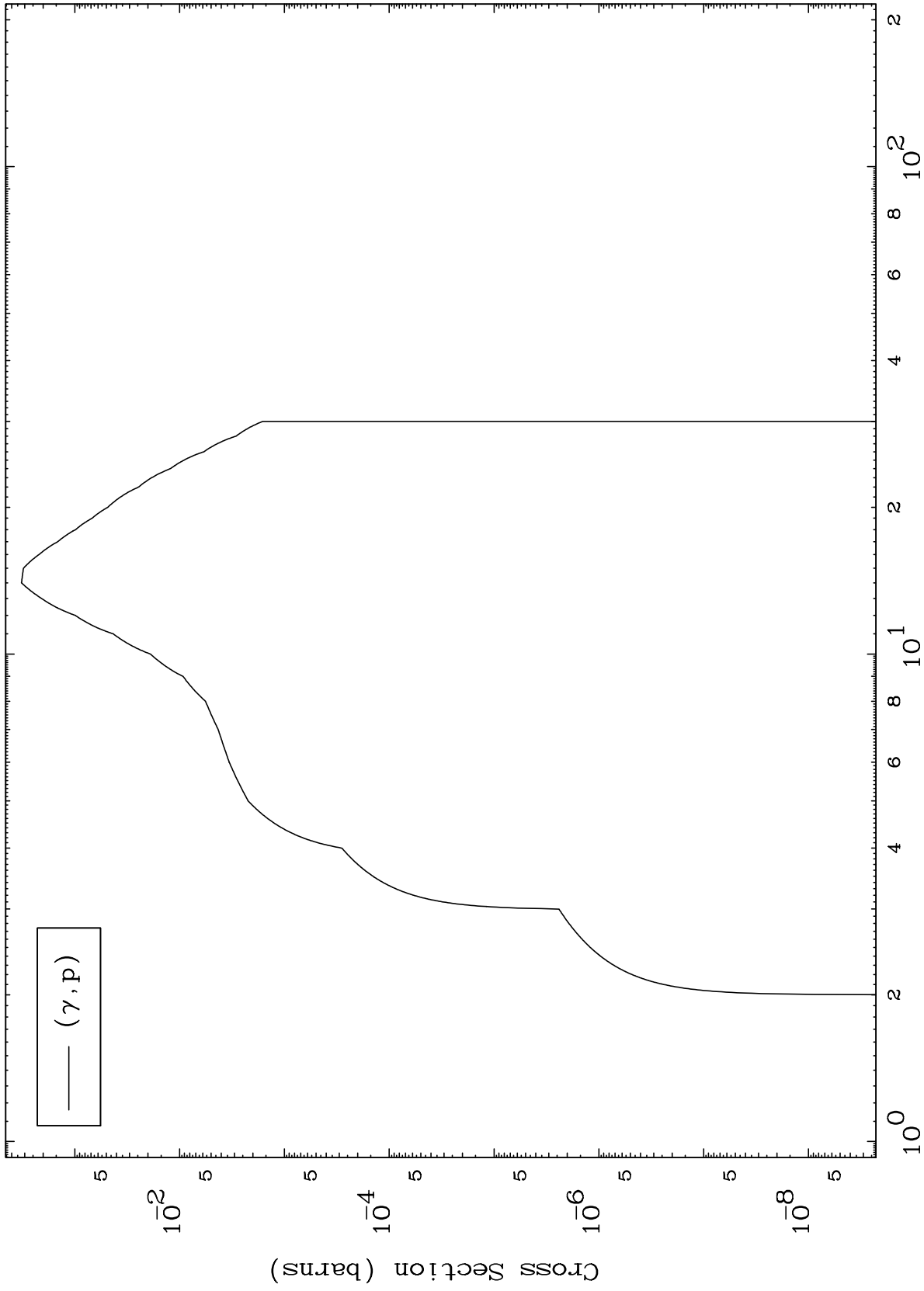
Incident Energy (MeV)

81-Tl-181

MAT 8059

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

81-Tl-181



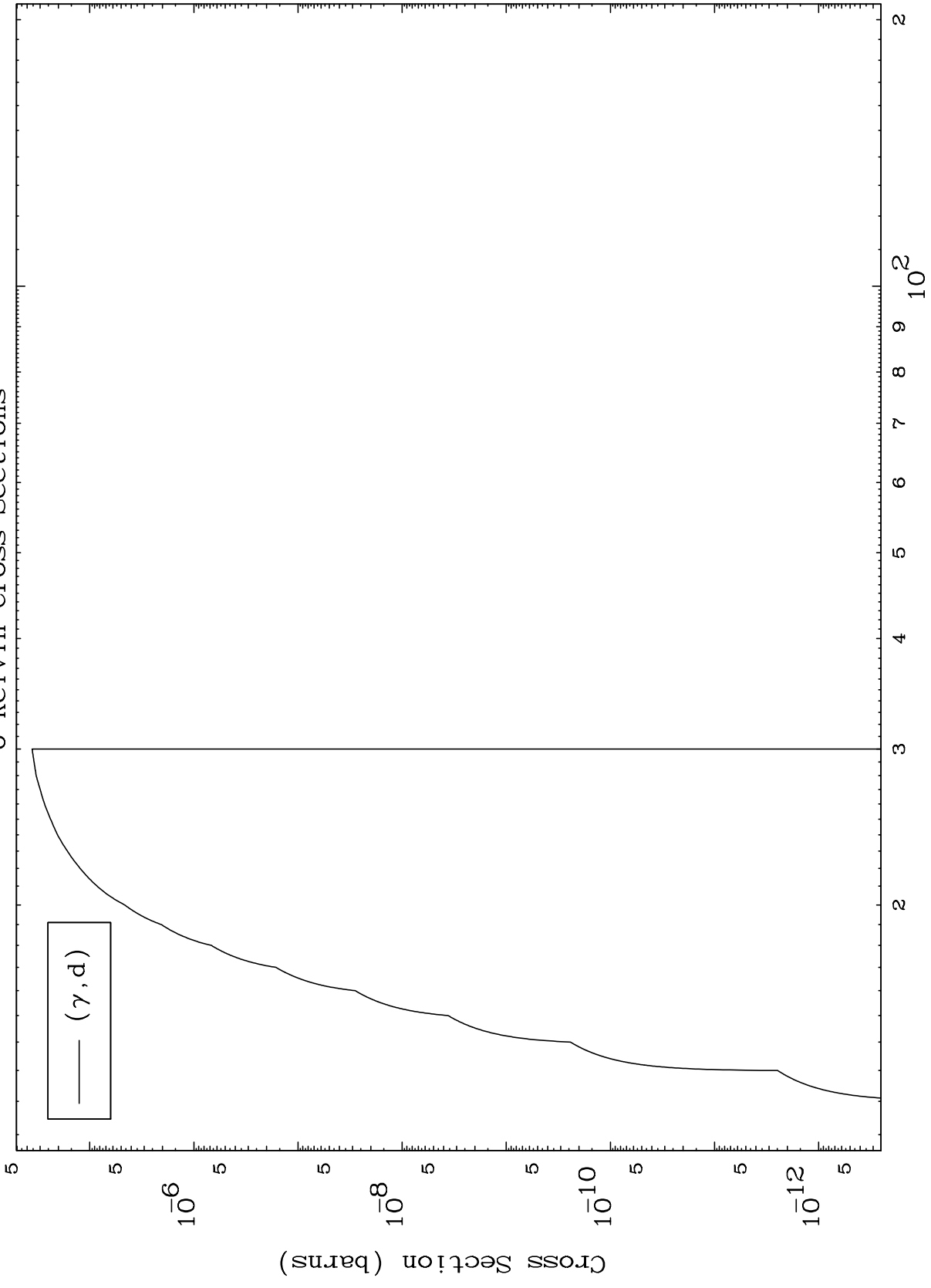
Incident Energy (MeV)

81-Tl-181

MAT 8059

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

81-Tl-181

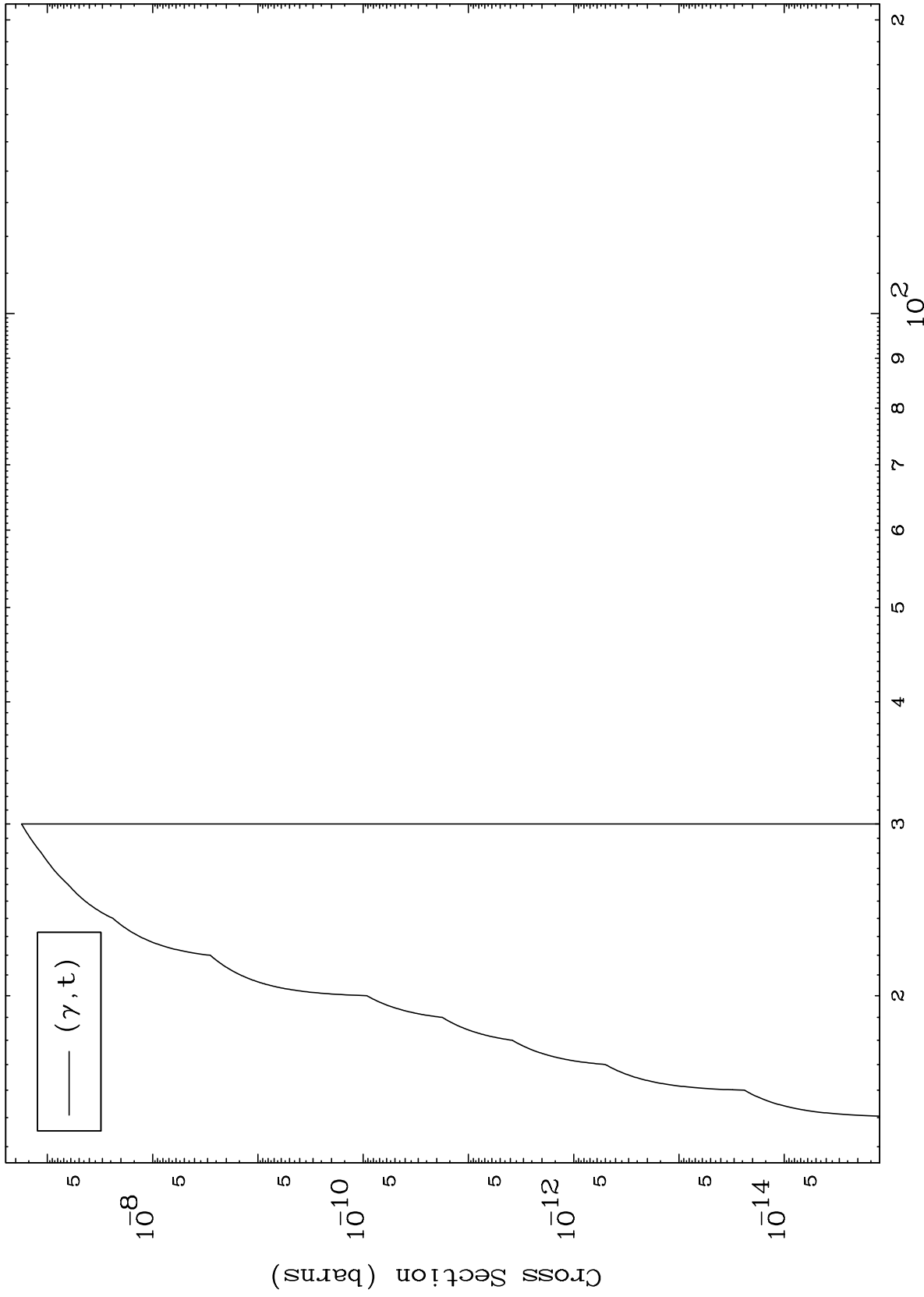


7

Incident Energy (MeV)

81-Tl-181

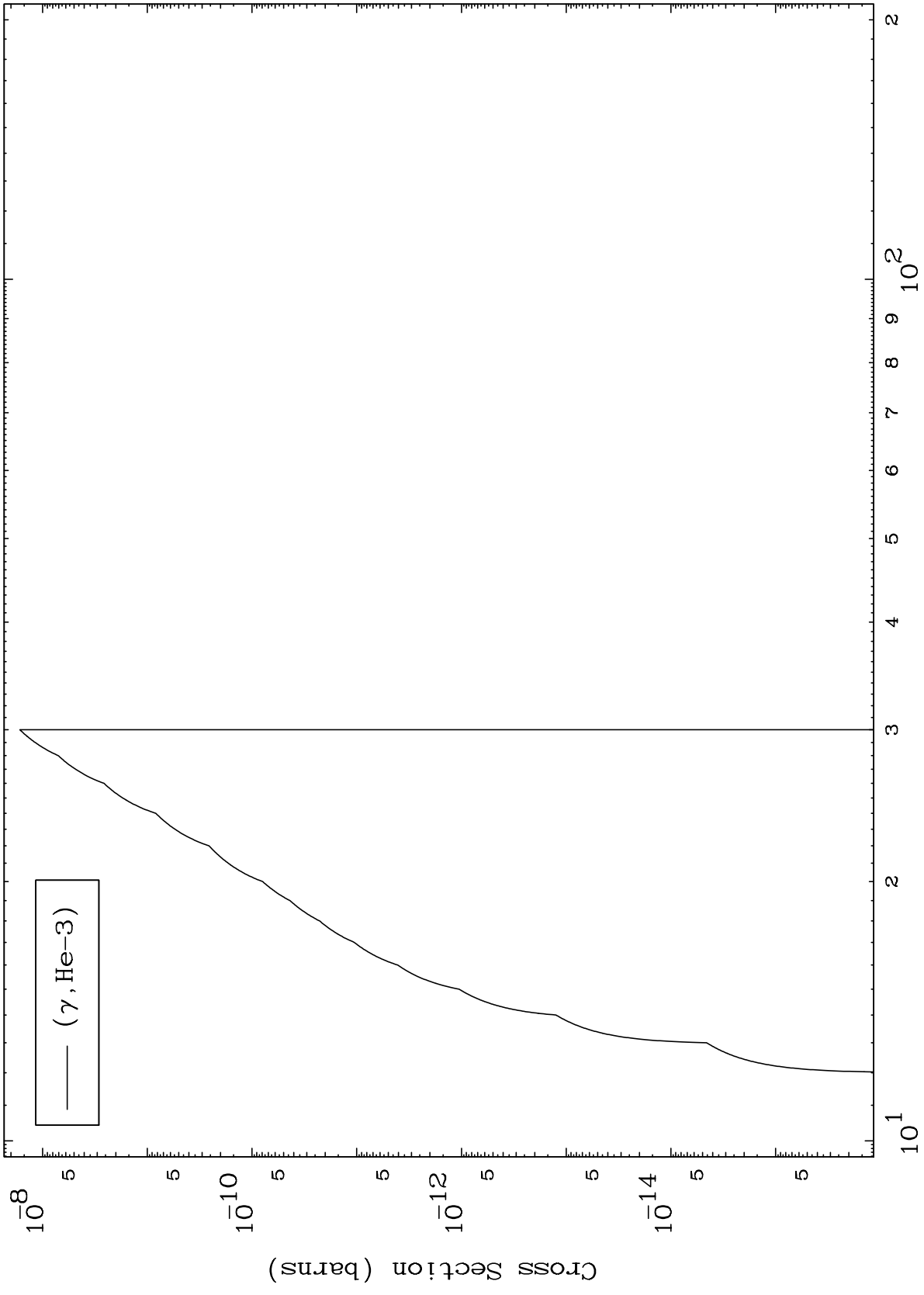




MAT 8059

( $\gamma$ ,He3) Levels  
0 Kelvin Cross Sections

81-T1-181



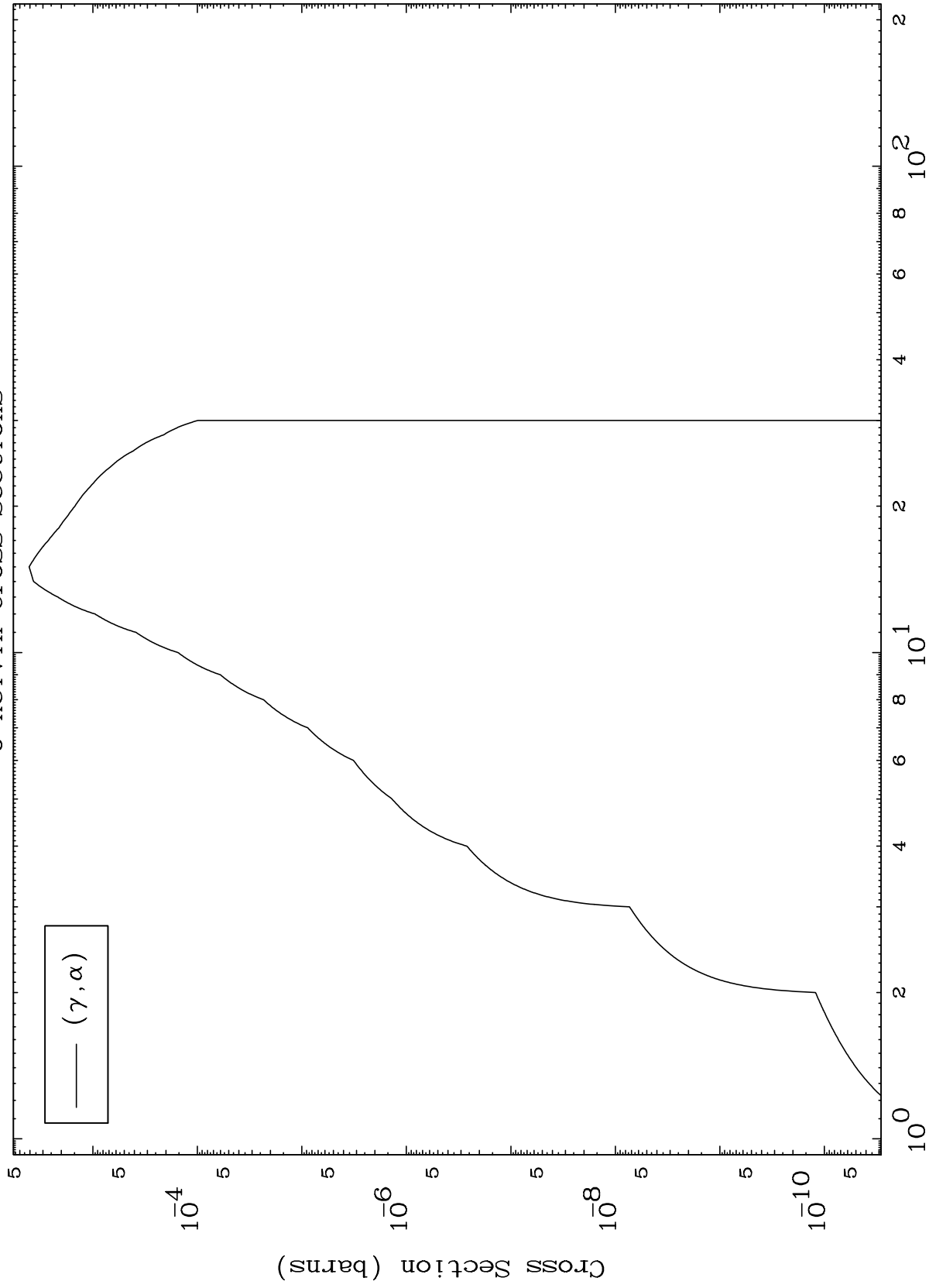
Incident Energy (MeV)

81-T1-181

MAT 8059

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

81-Tl-181



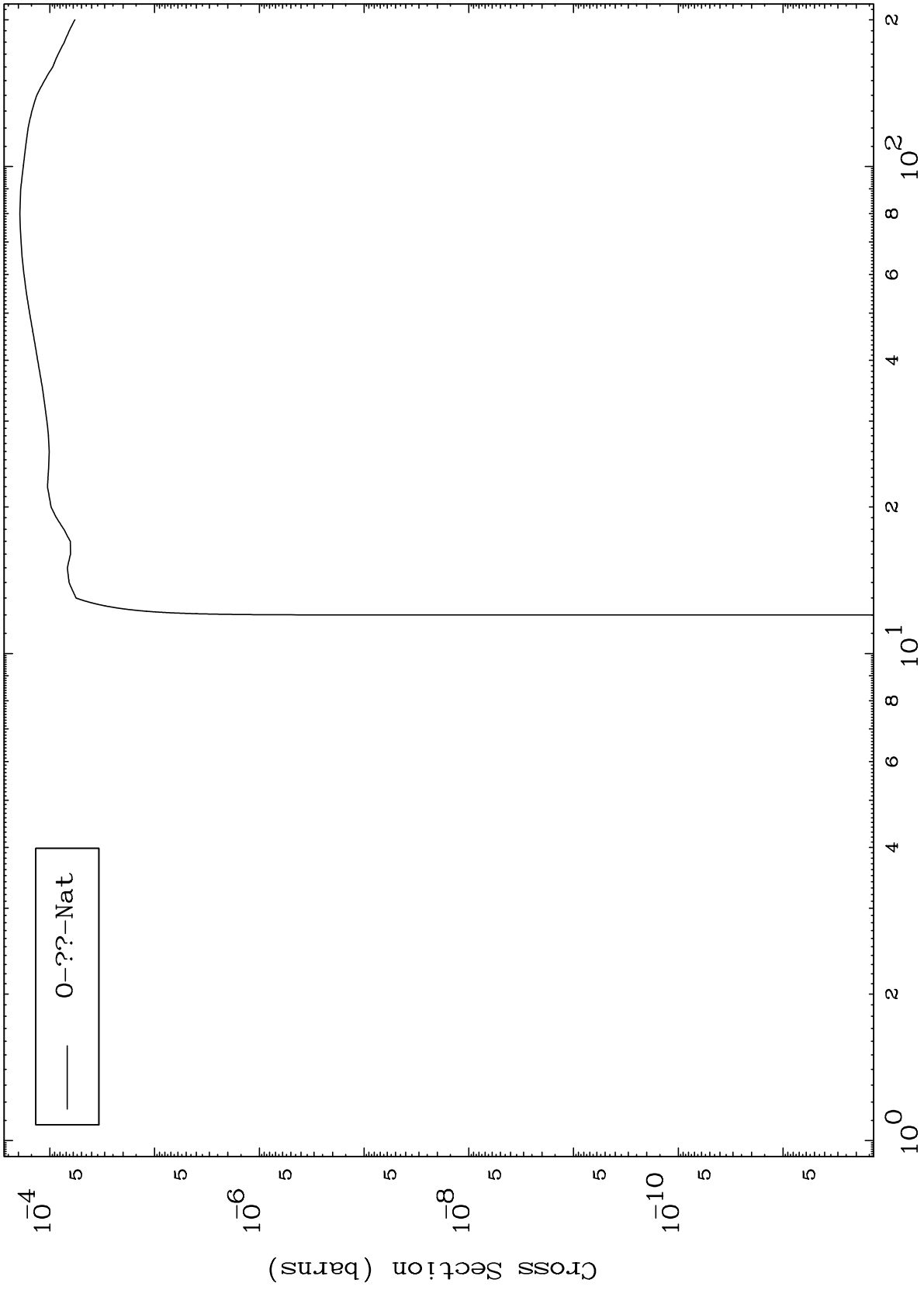
Incident Energy (MeV)

81-Tl-181

MAT 8059

81-Tl-181

Photon Fission  
Radionuclide Production Cross Section



11

Incident Energy (MeV)

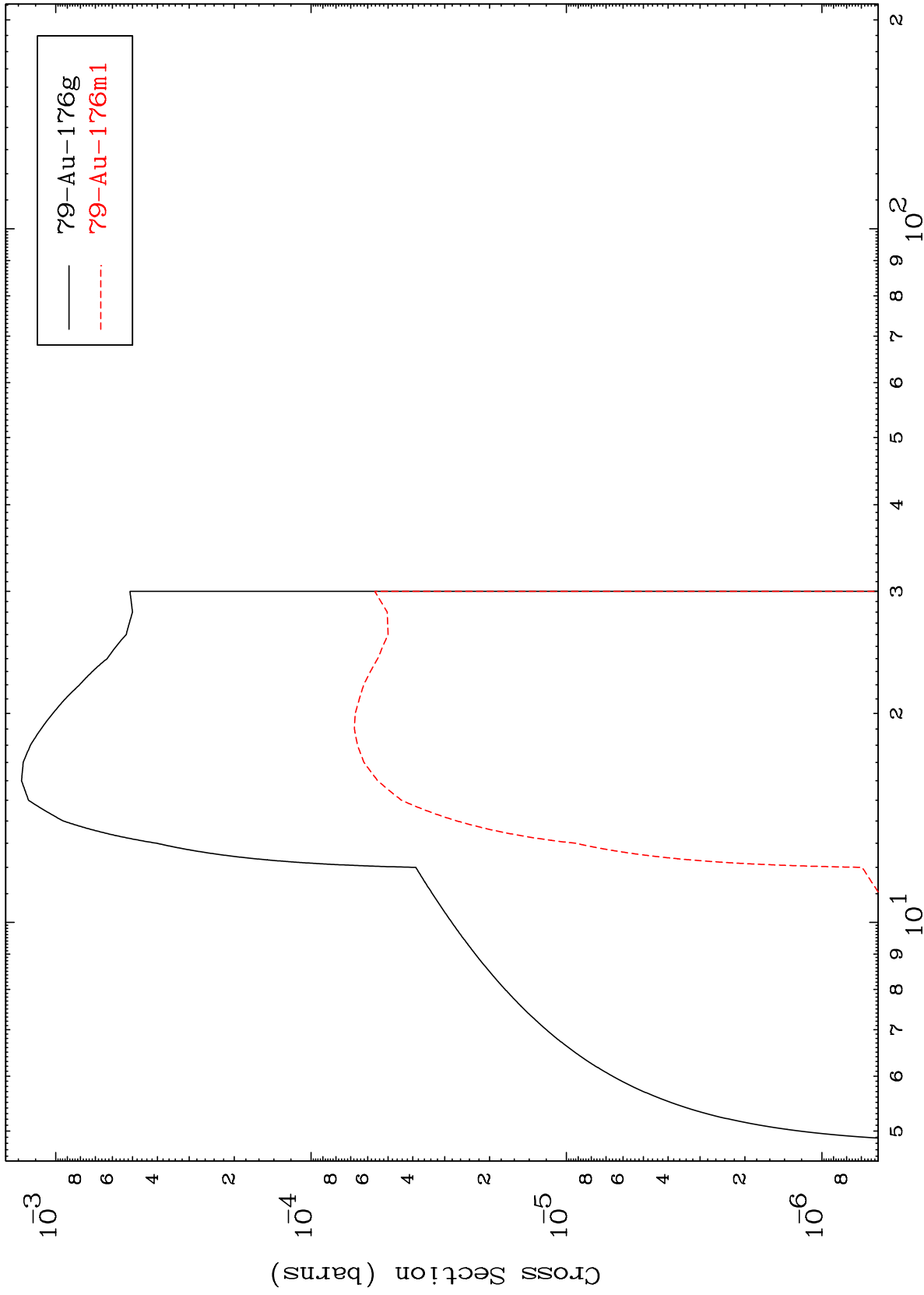
81-Tl-181

MAT 8059

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

81-Tl-181

Radionuclide Production Cross Section



12

Incident Energy (MeV)

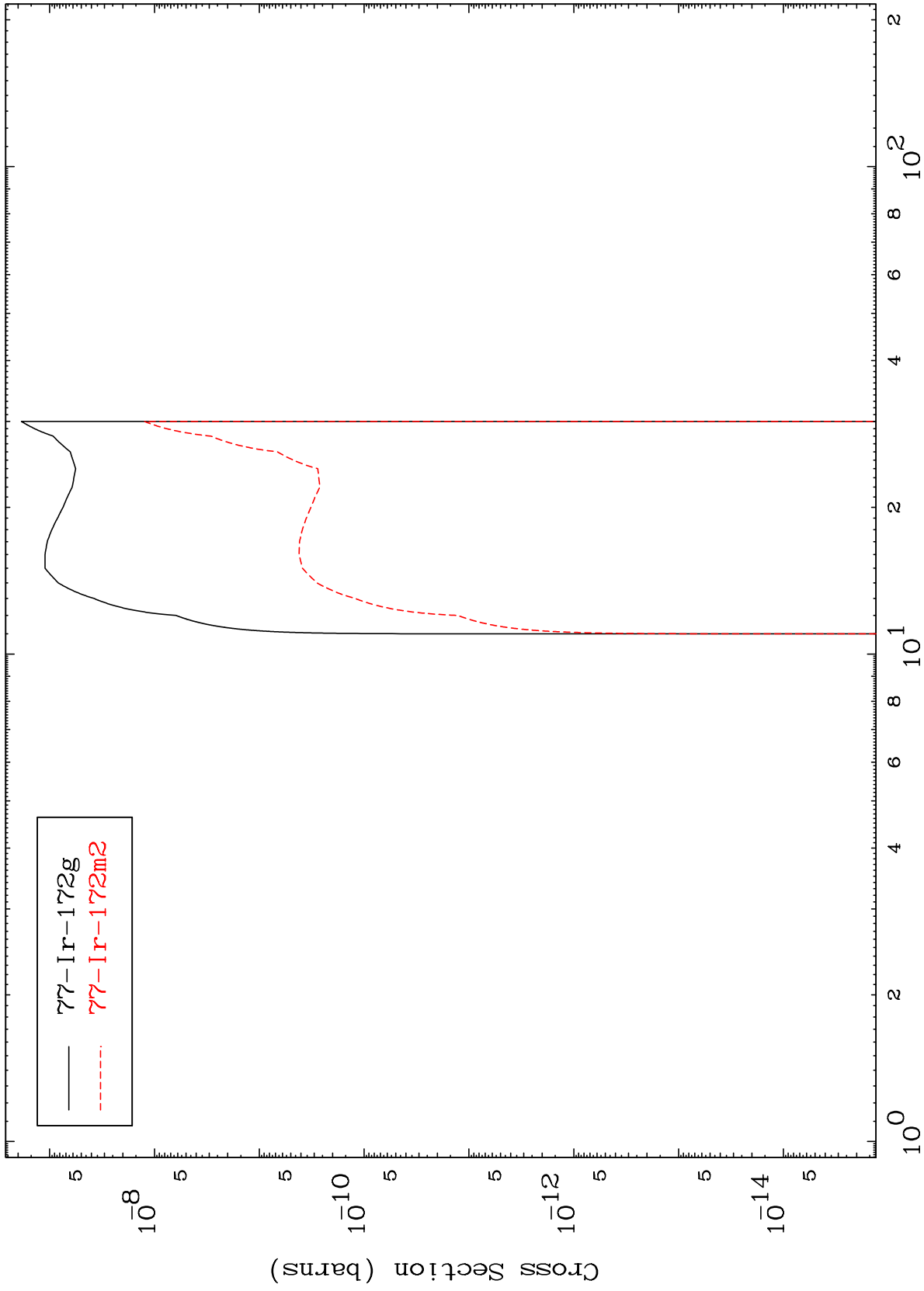
81-Tl-181

MAT 8059

( $\gamma, n'$ )  $2\alpha$

81-Tl-181

Radionuclide Production Cross Section



13

Incident Energy (MeV)

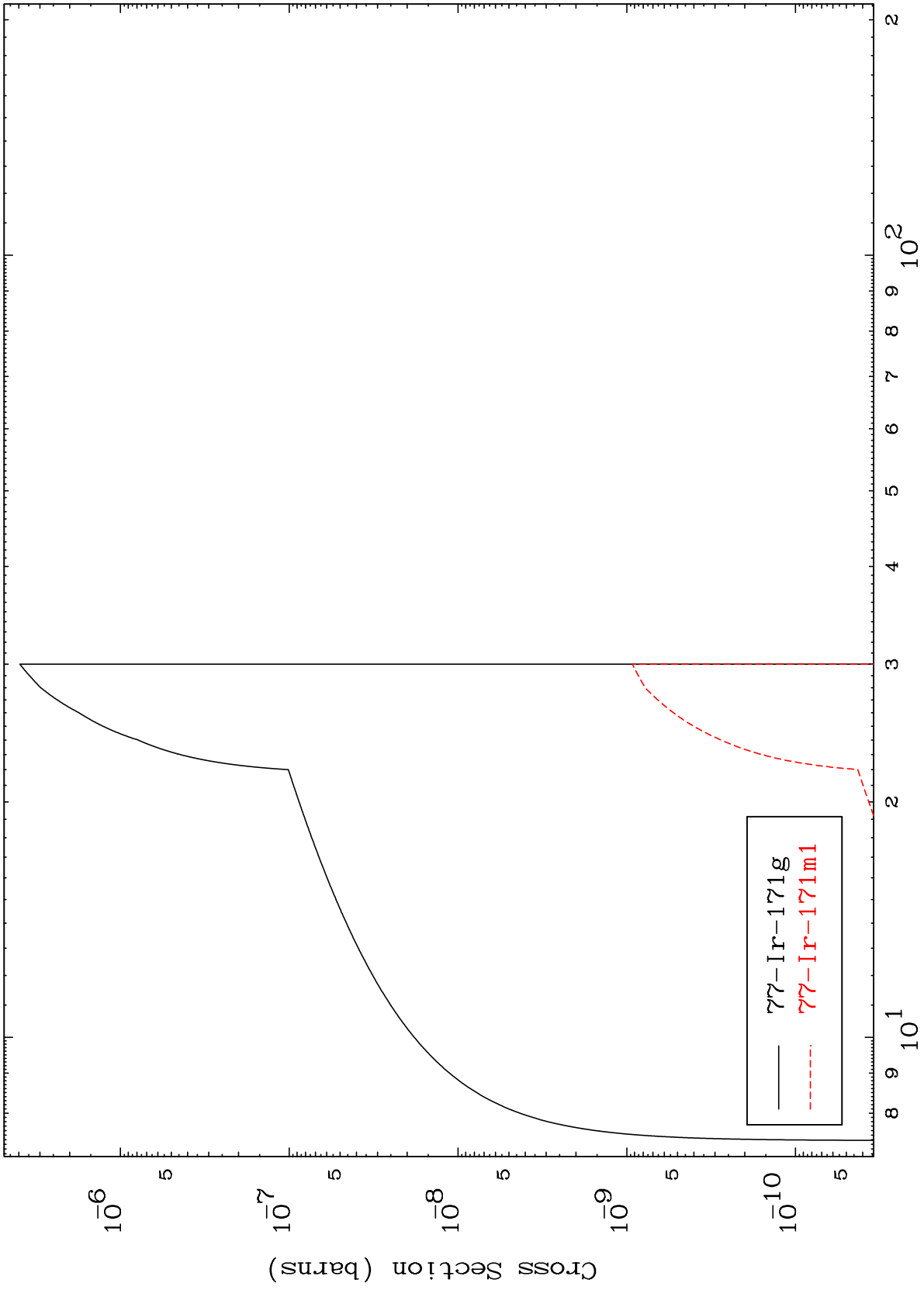
81-Tl-181

MAT 8059

( $\gamma, 2n$ )  $2\alpha$

81-Tl-181

Radionuclide Production Cross Section



14

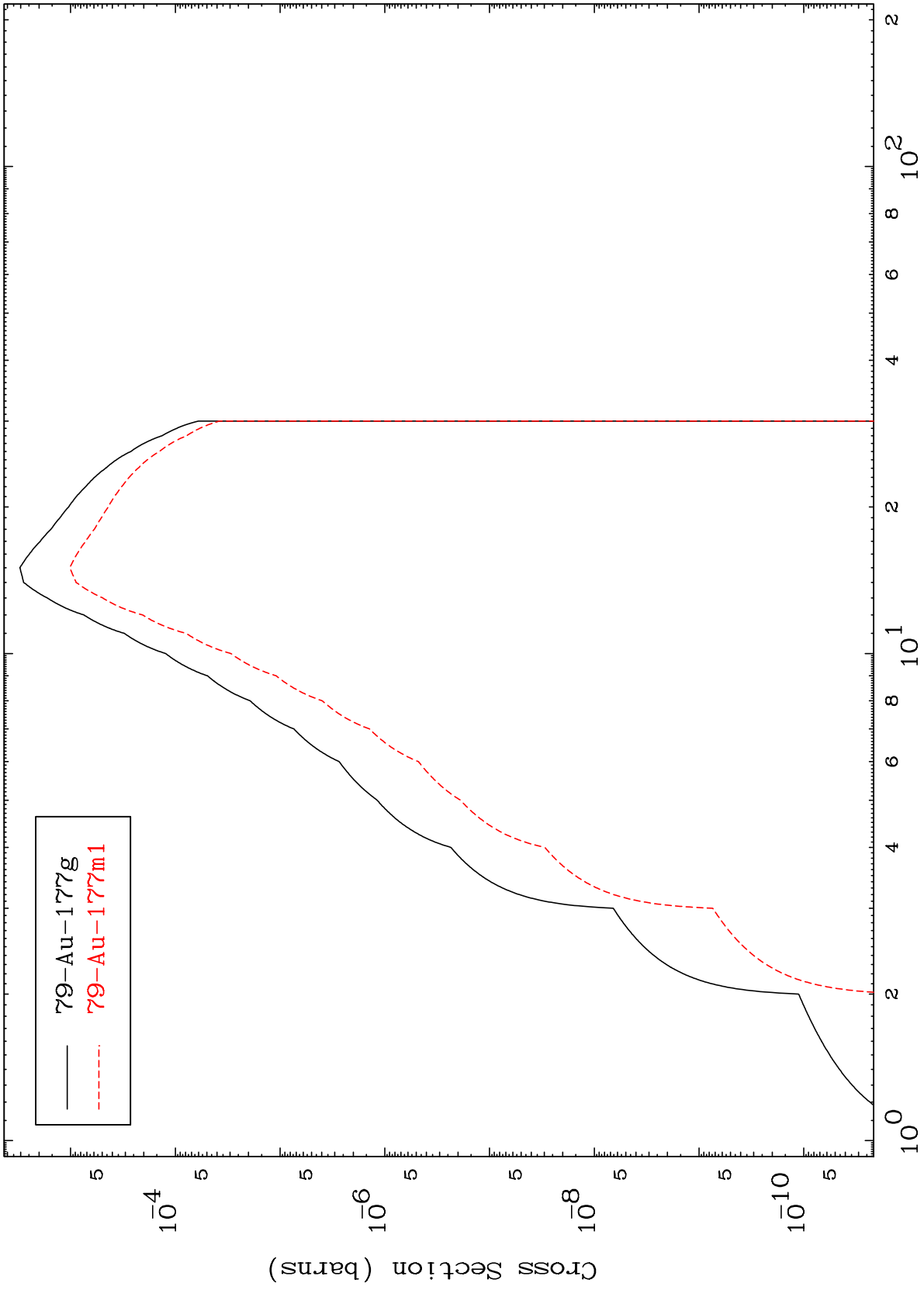
Incident Energy (MeV)

81-Tl-181

MAT 8059

81-Tl-181

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



Incident Energy (MeV)

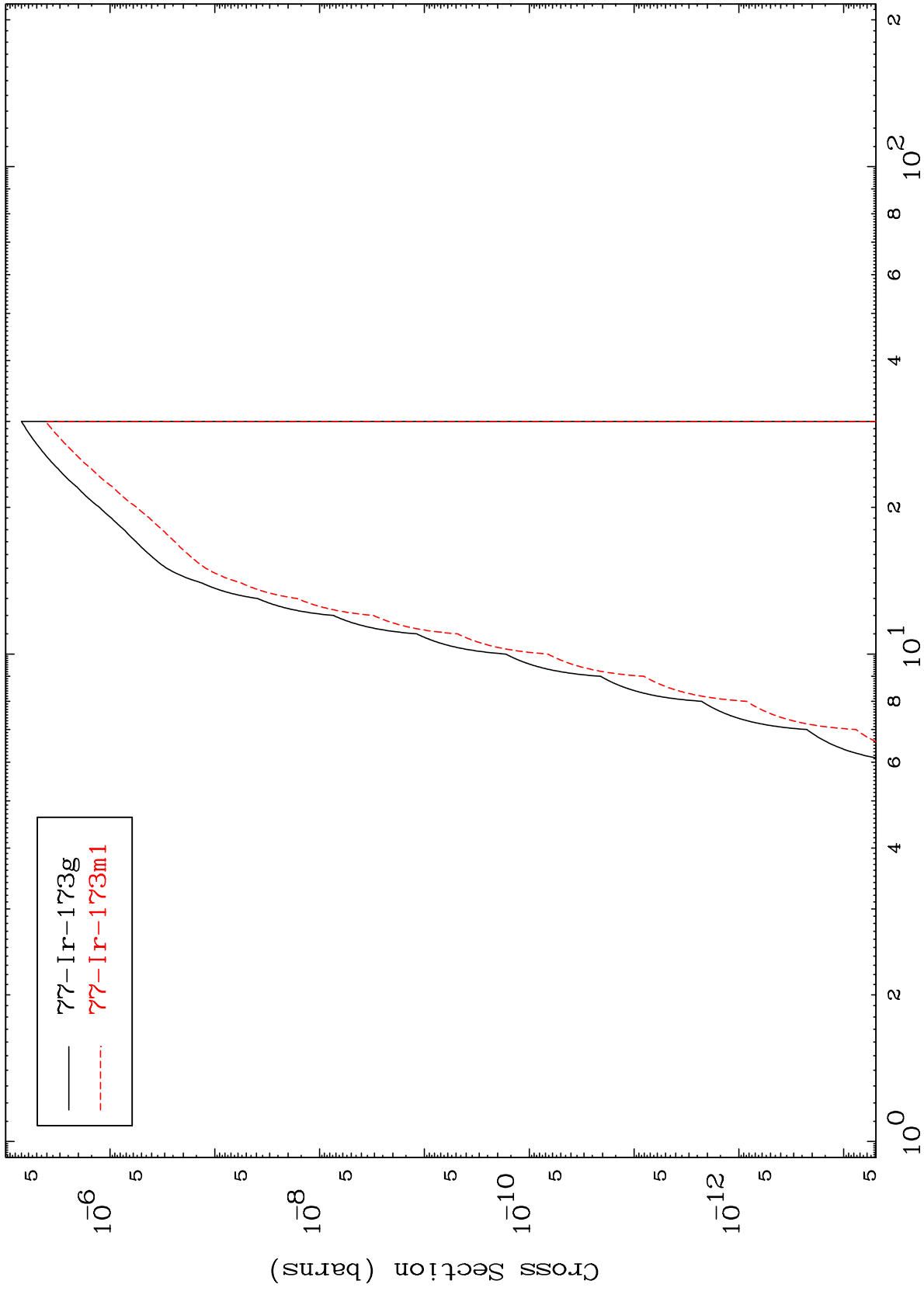
81-Tl-181



MAT 8059

81-Tl-181

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



81-Tl-181

Incident Energy (MeV)

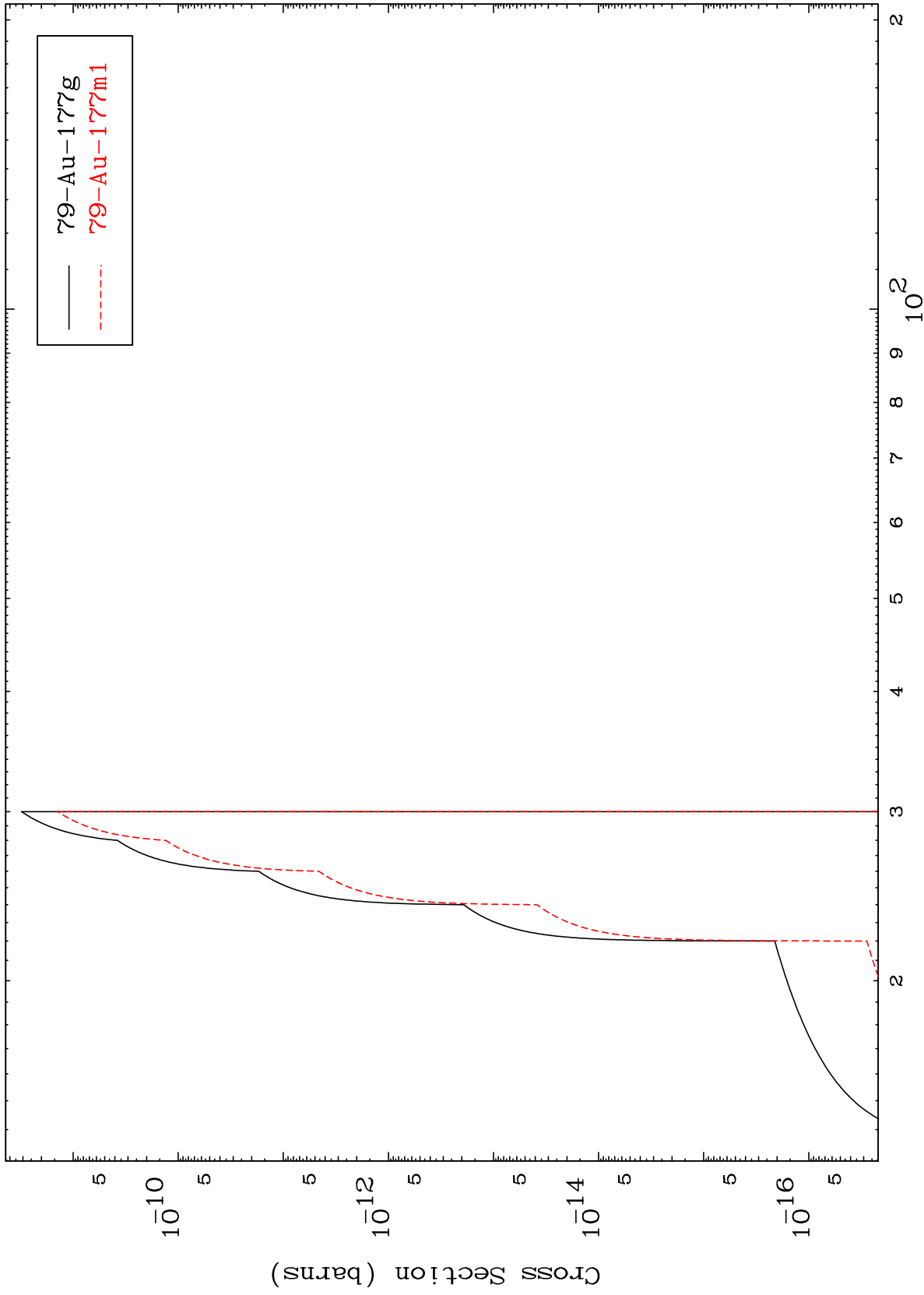
16

MAT 8059

( $\gamma, p$ ) t

81-Tl-181

Radionuclide Production Cross Section



17

Incident Energy (MeV)

81-Tl-181