

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](mailto:redcullen1@comcast.net)

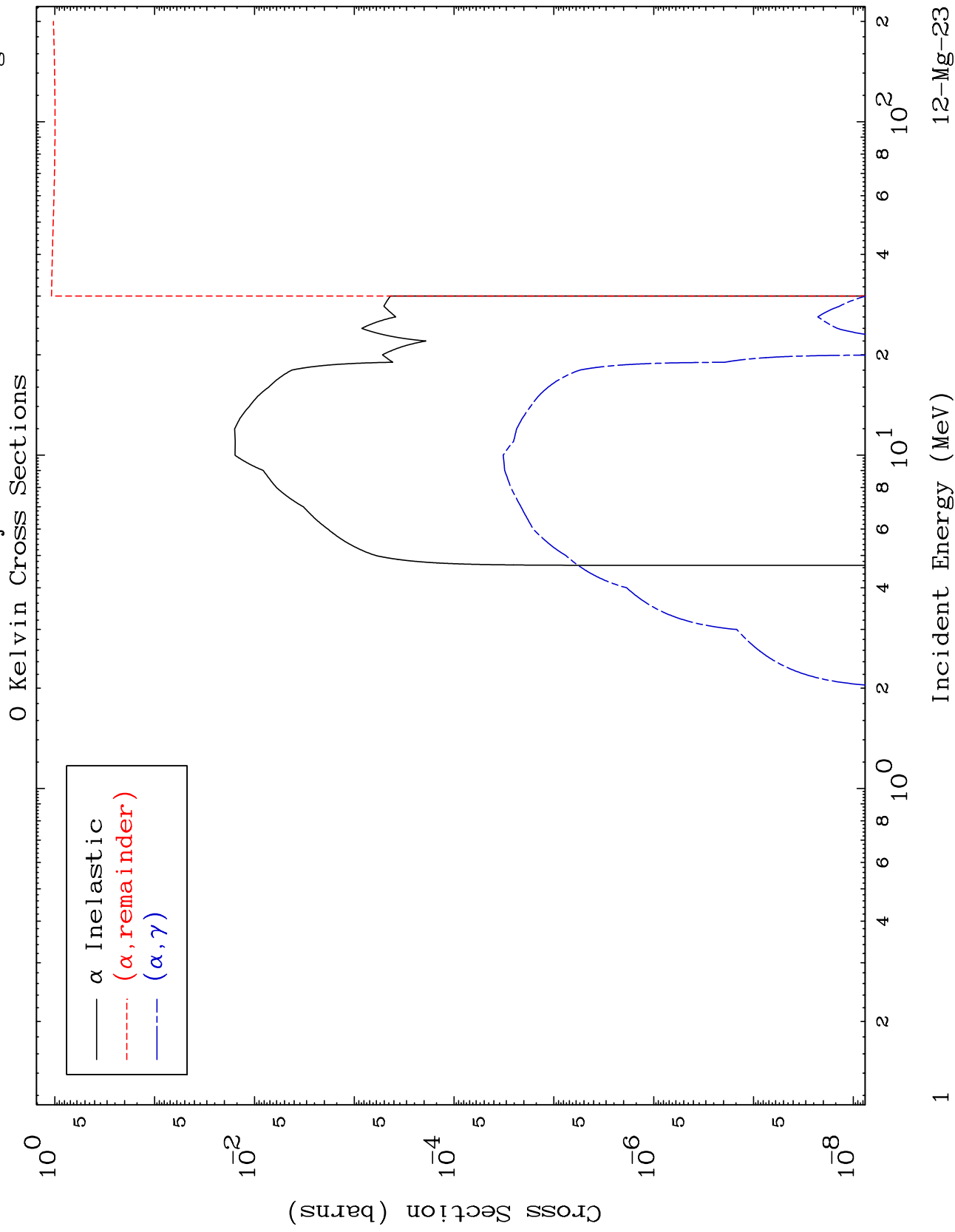
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

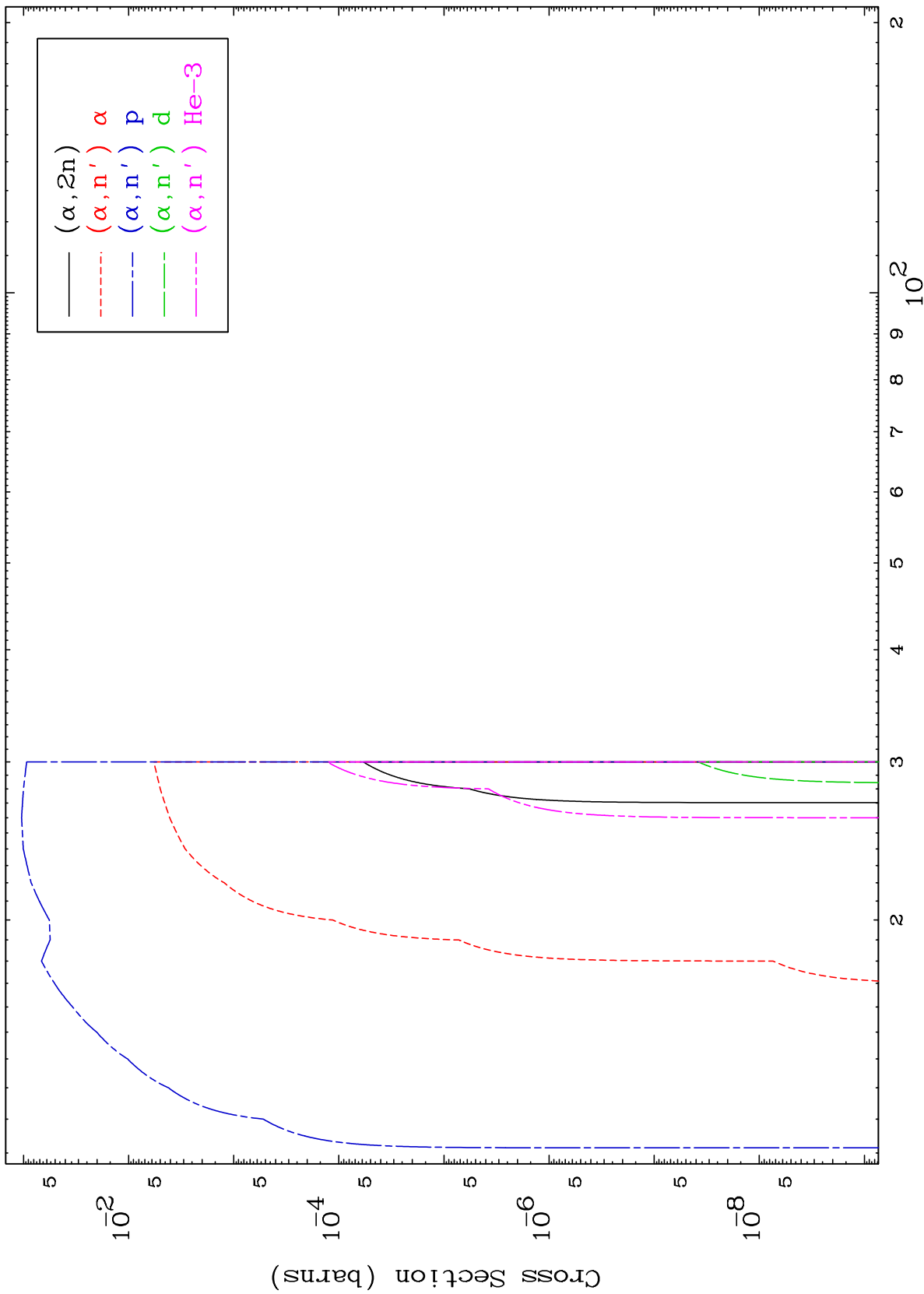
Press Mouse Button to Start

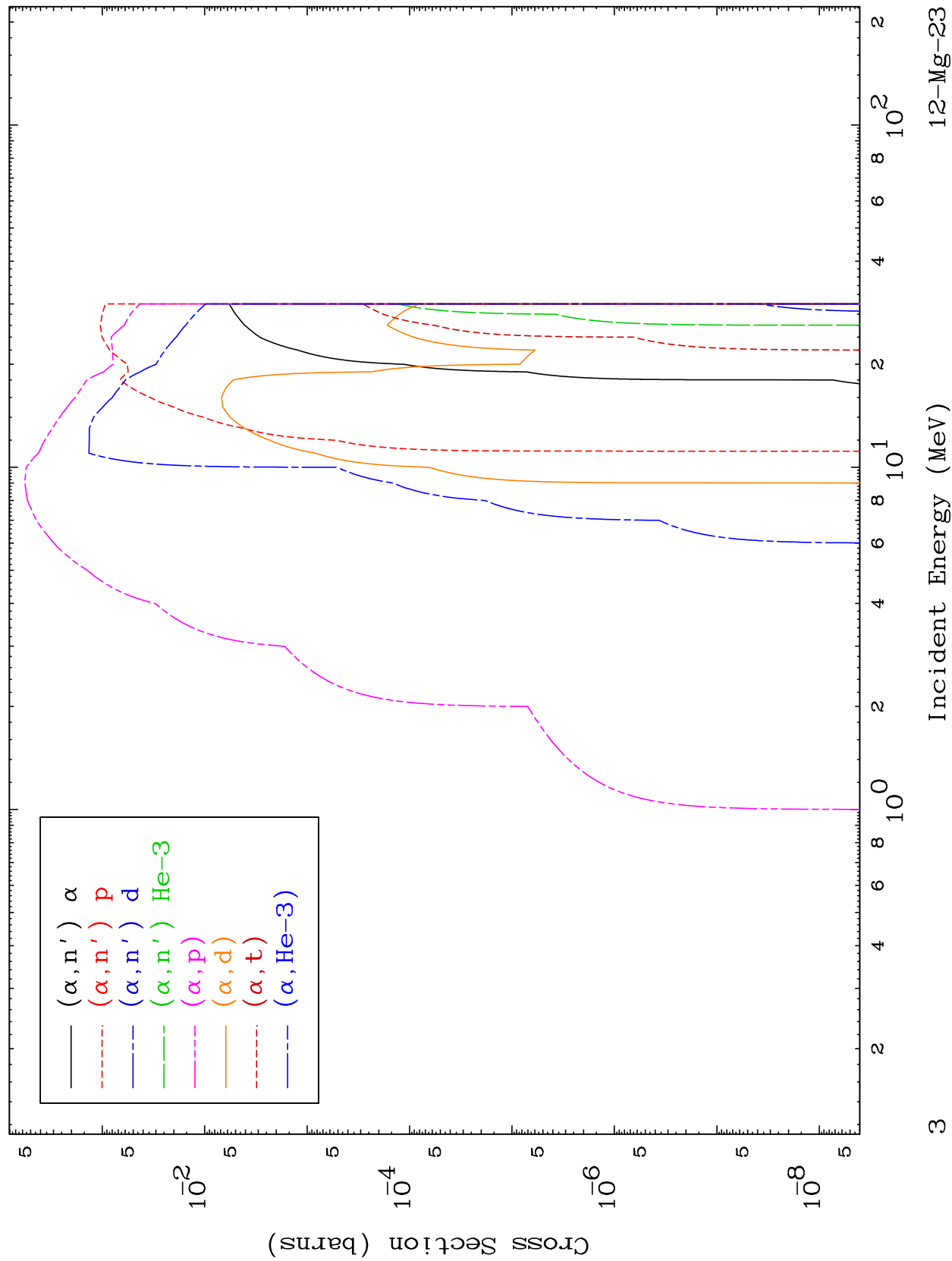
MAT 1222

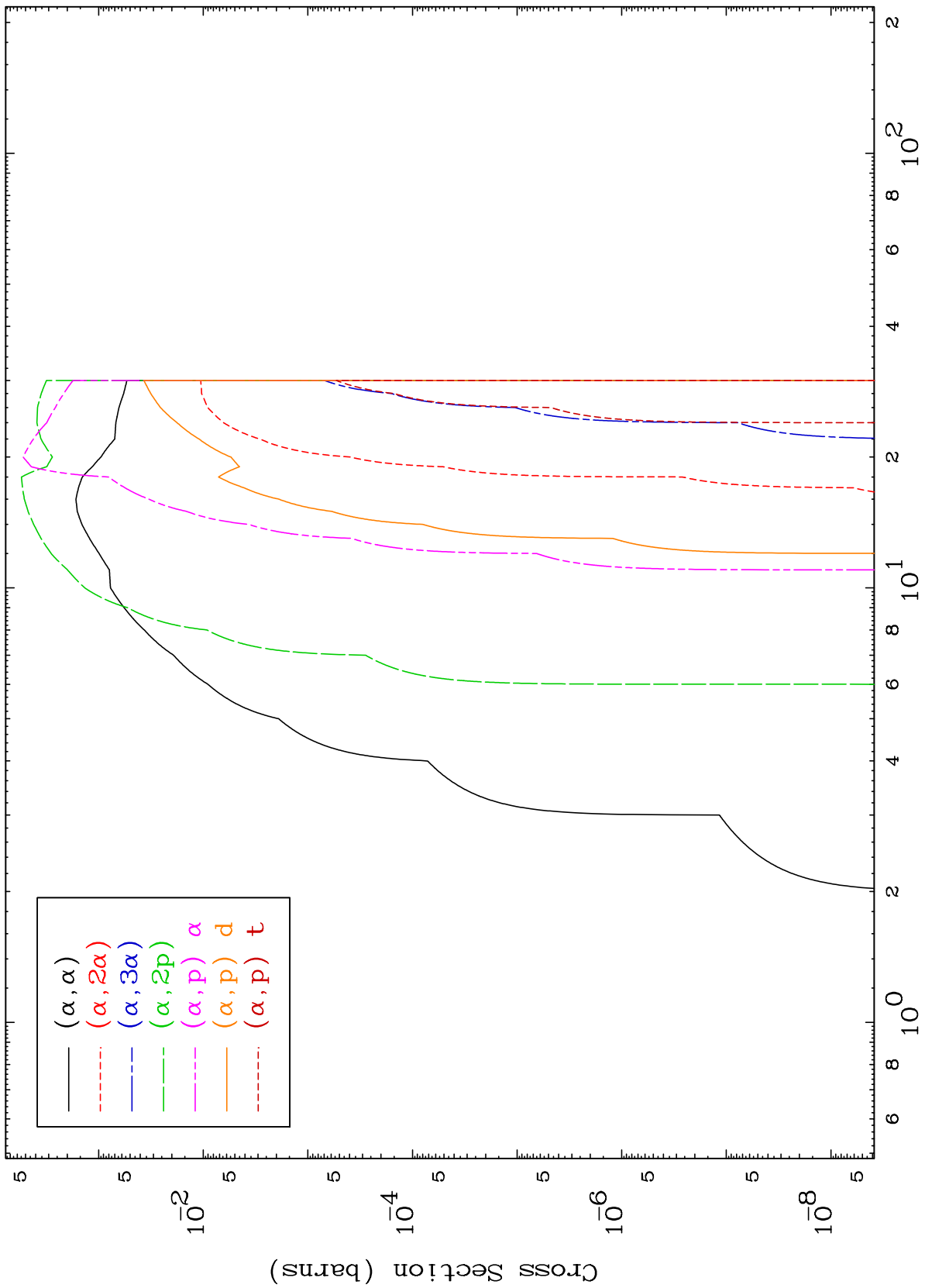
$\alpha$  Major

12-Mg-23





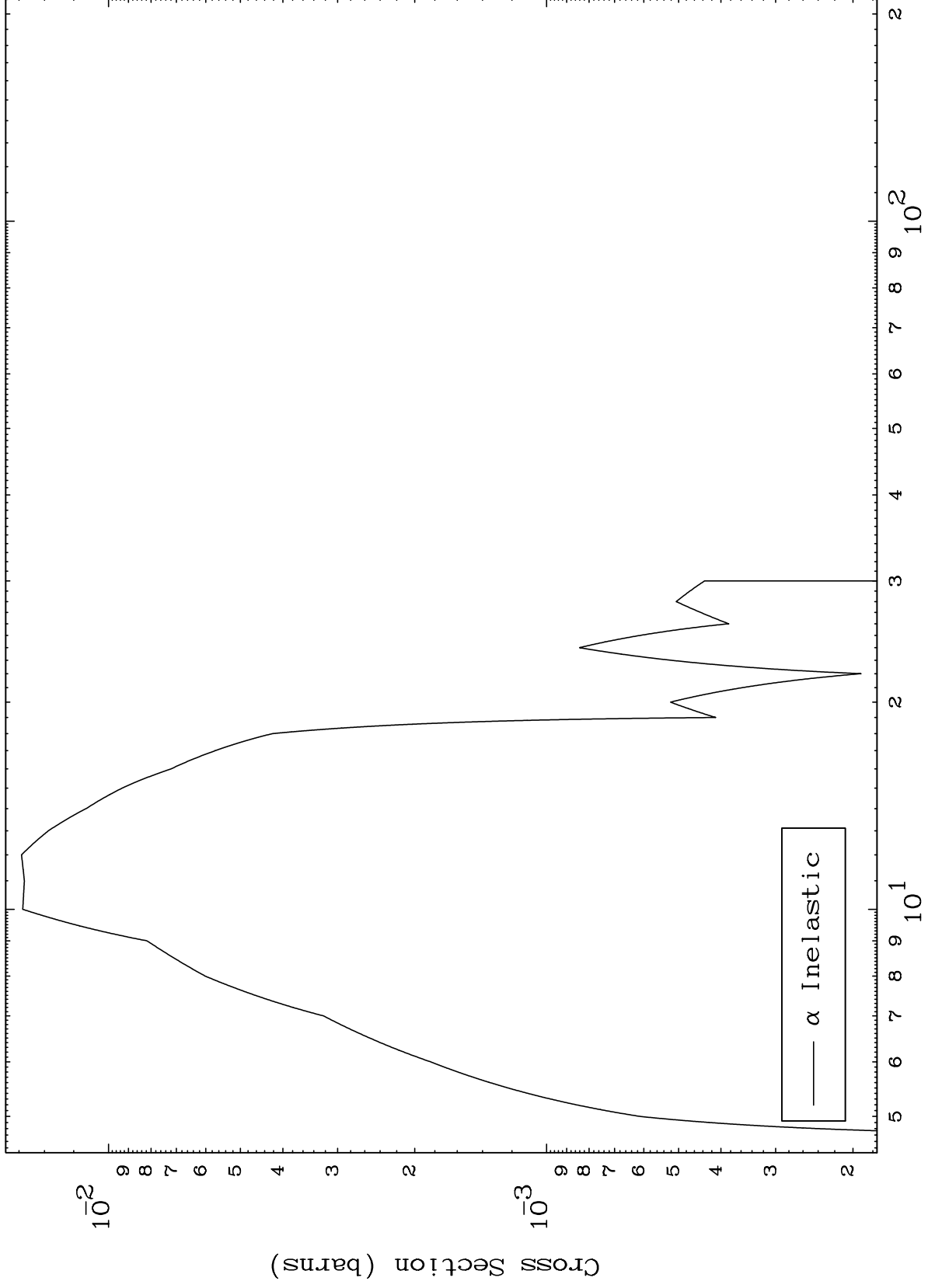




MAT 1222

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

12-Mg-23



—  $\alpha$  Inelastic

5

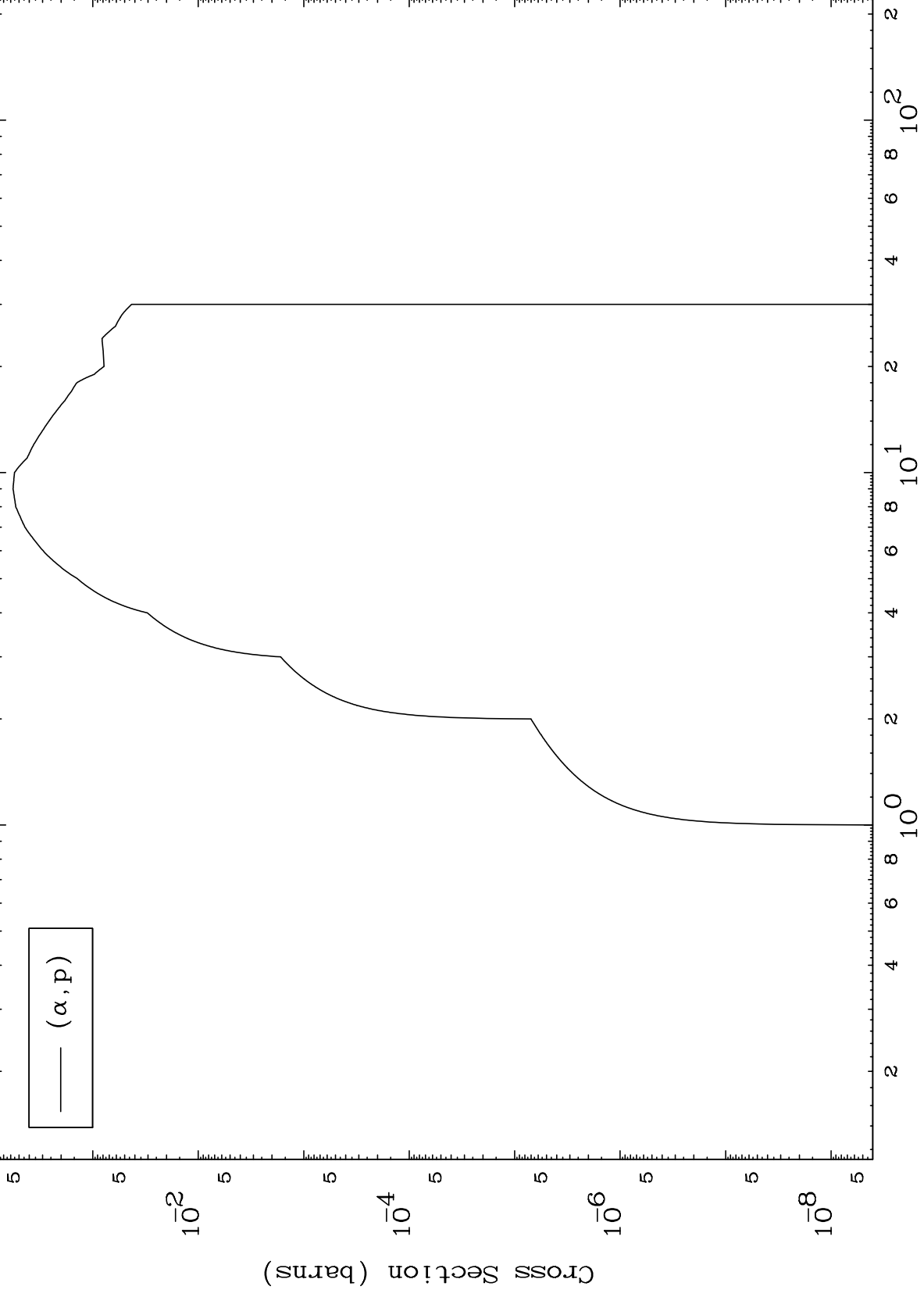
Incident Energy (MeV)

12-Mg-23

MAT 1222

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

12-Mg-23



6

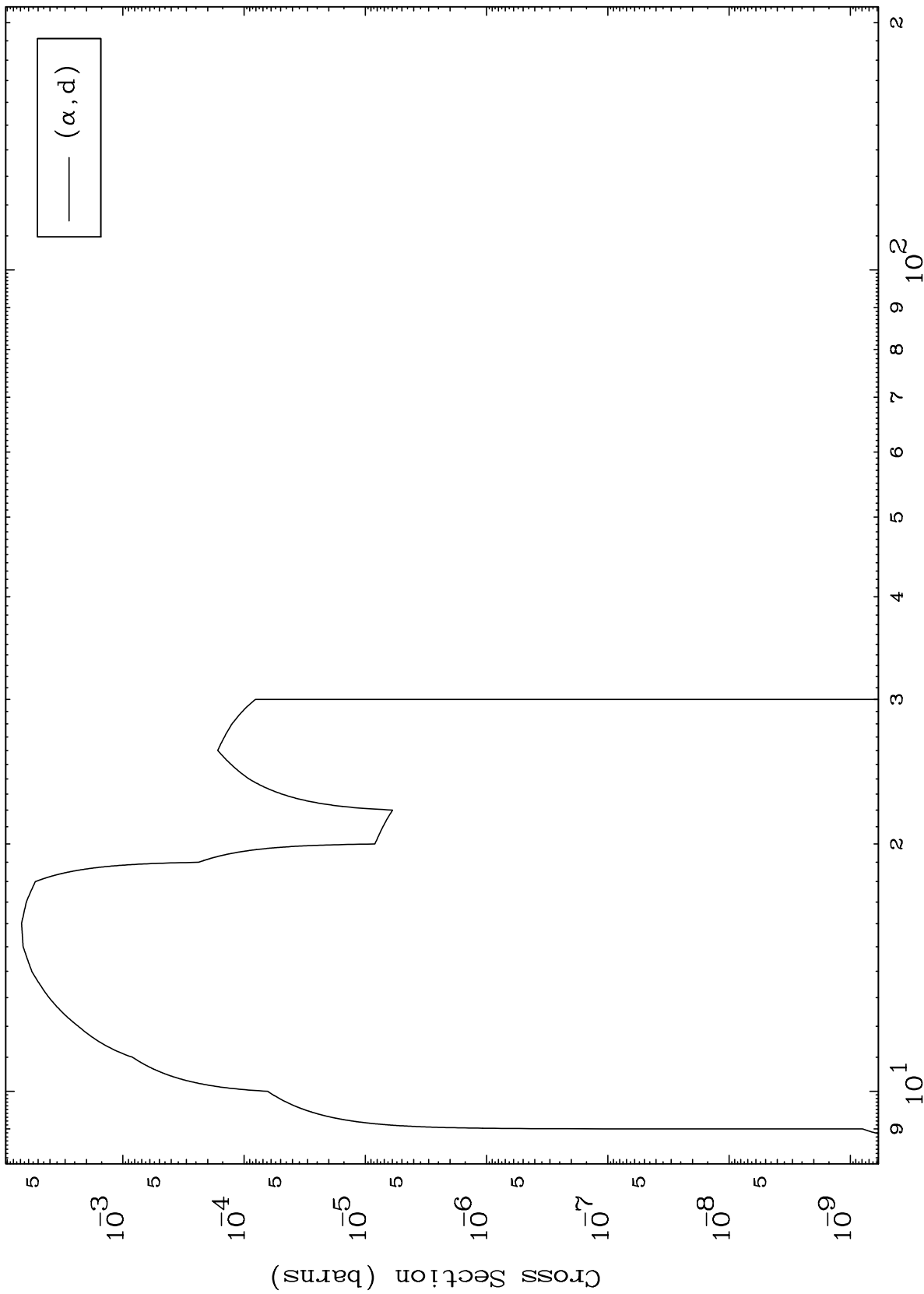
Incident Energy (MeV)

12-Mg-23

MAT 1222

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

$^{12}\text{Mg-23}$



$^{12}\text{Mg-23}$

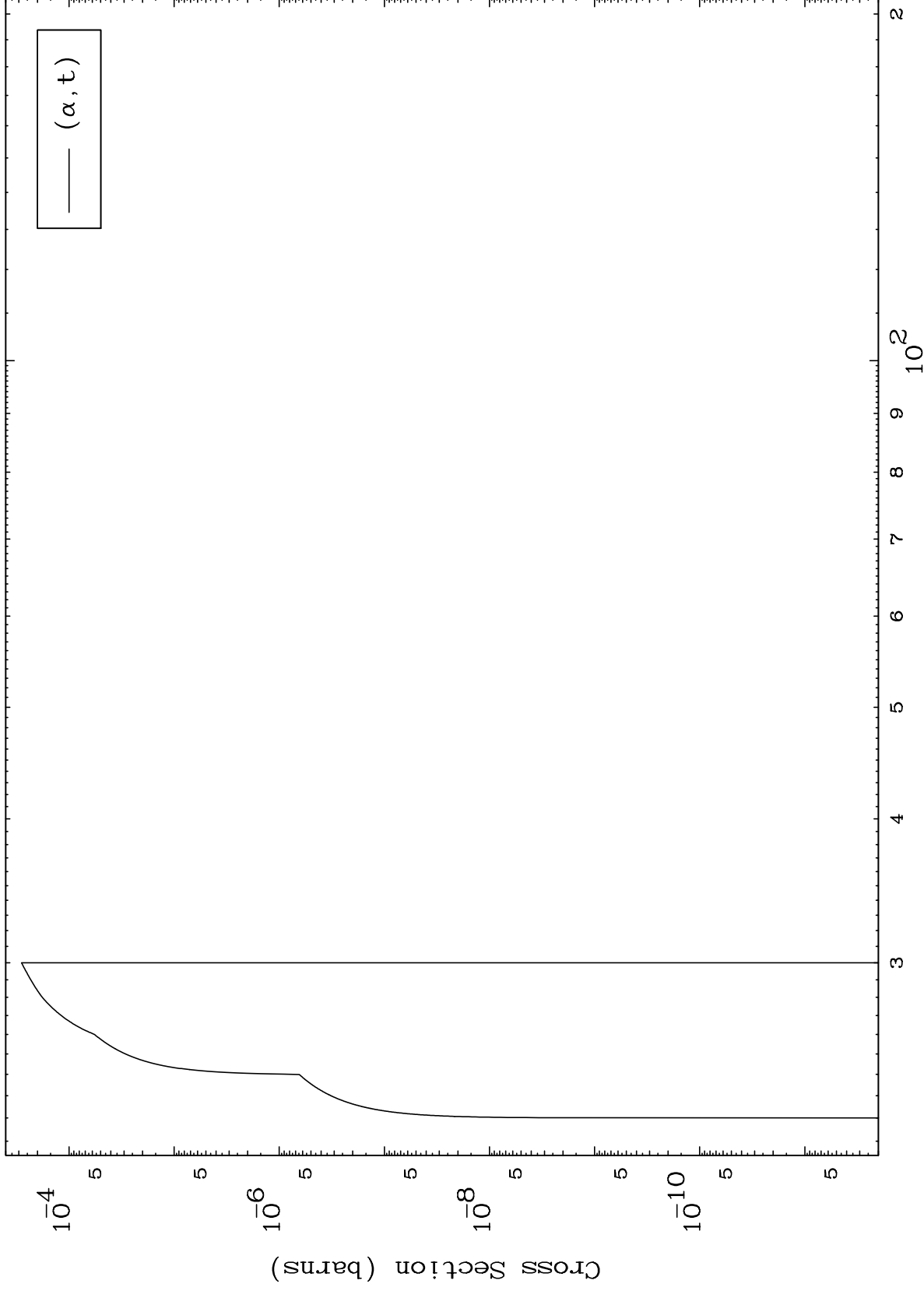
Incident Energy (MeV)

7

MAT 1222

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

$^{12}\text{Mg-23}$

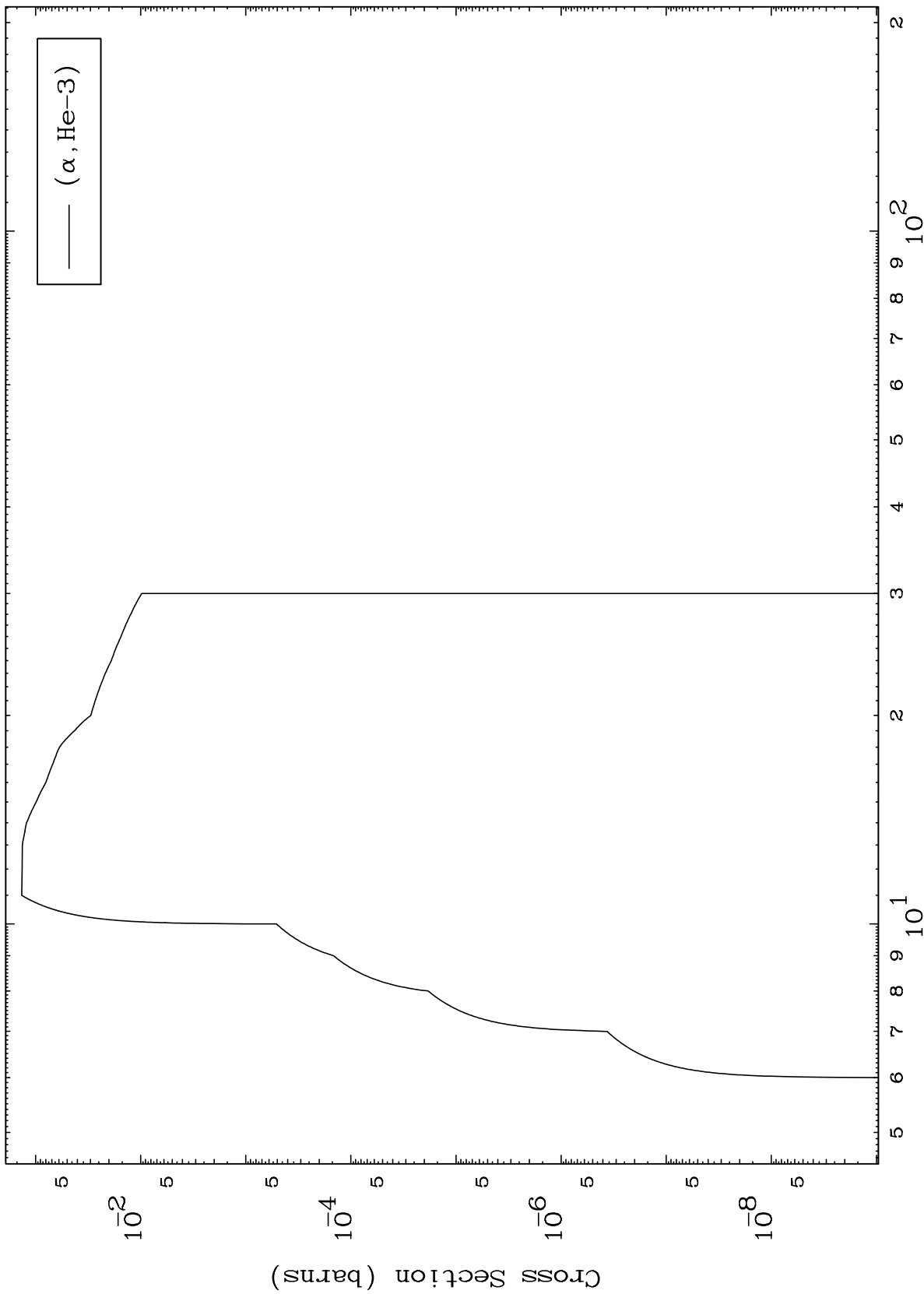


8

Incident Energy (MeV)

$^{12}\text{Mg-23}$

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

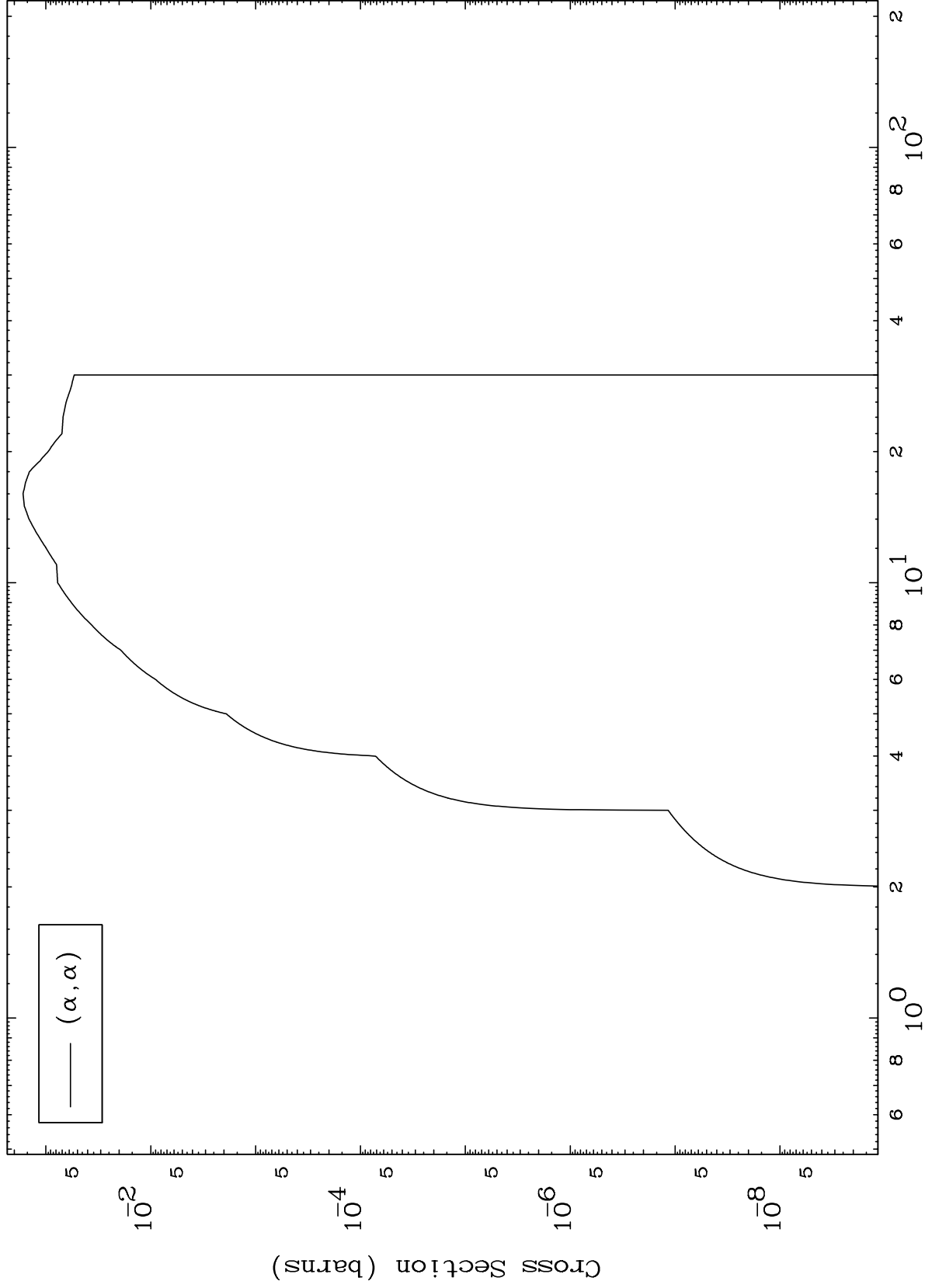


MAT 1222

( $\alpha, \alpha$ ) Levels

12-Mg-23

0 Kelvin Cross Sections



10

Incident Energy (MeV)

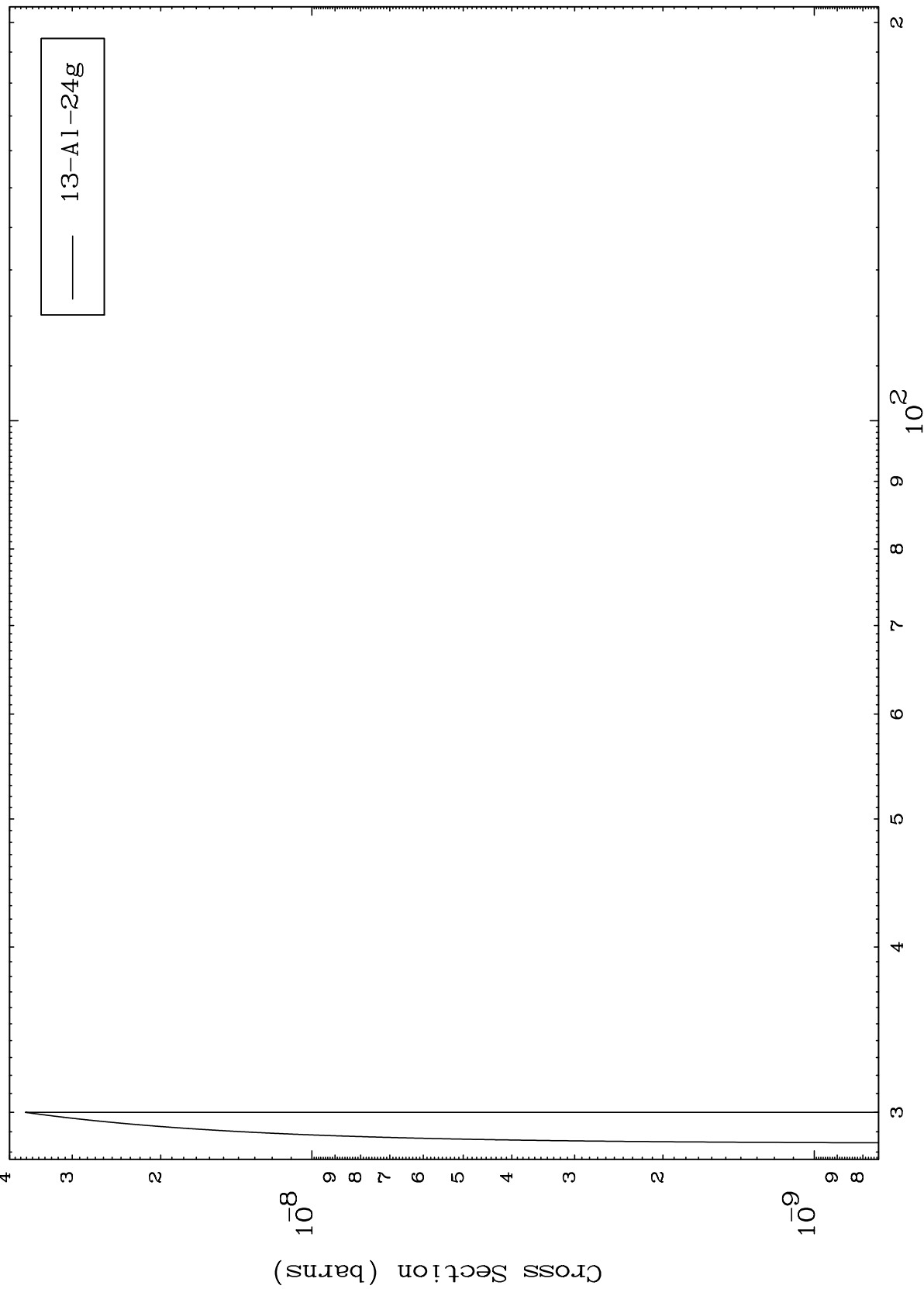
12-Mg-23

MAT 1222

$(\alpha, n')$  d

12-Mg-23

Radionuclide Production Cross Section



11

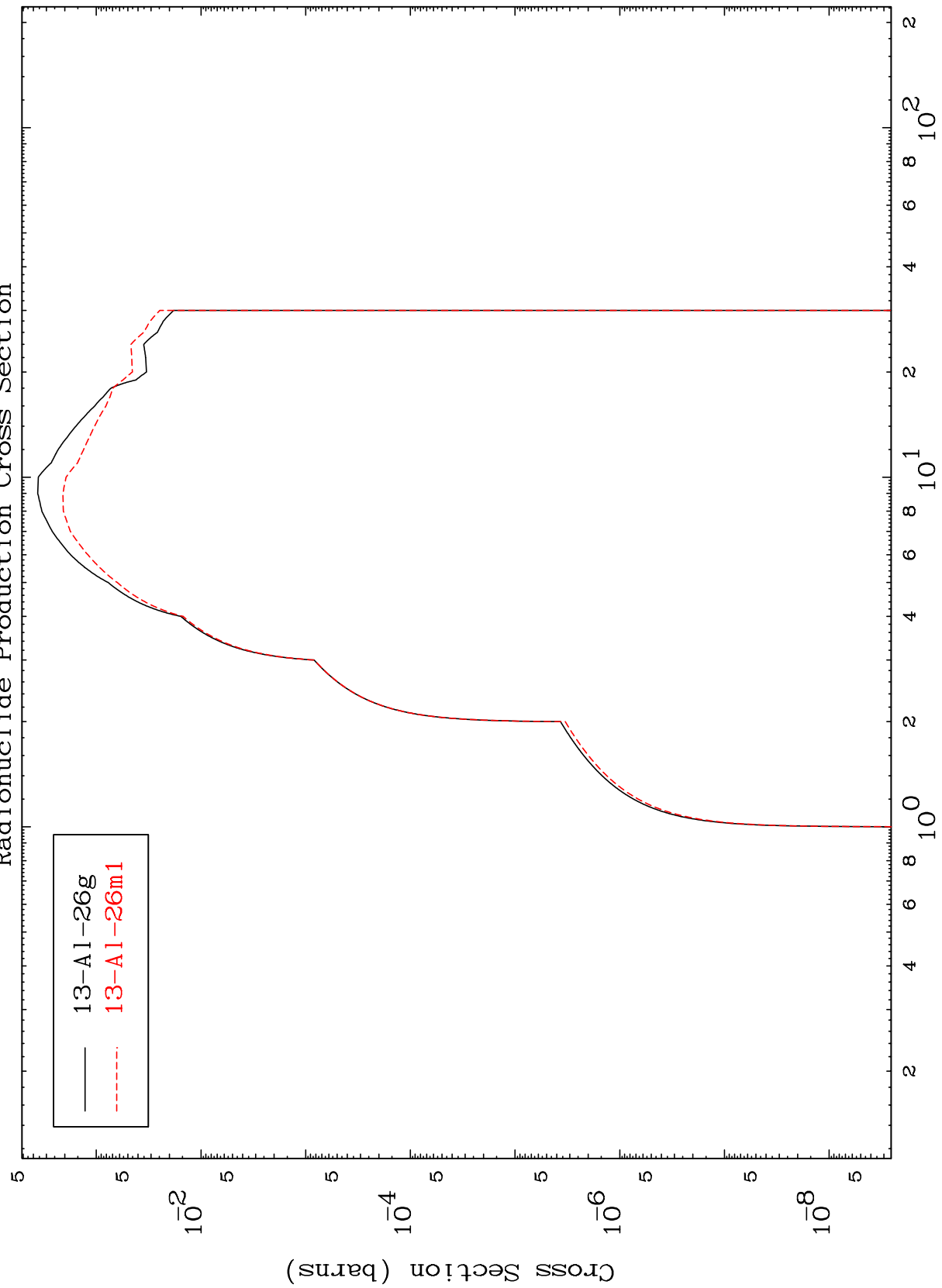
Incident Energy (MeV)

12-Mg-23

MAT 1222

12-Mg-23

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



— 13-Al-26g  
- - - 13-Al-26m1

12-Mg-23

Incident Energy (MeV)

12

Radionuclide Production Cross Section

