

Program EVALPLOT  
(Version 2021-1)

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)

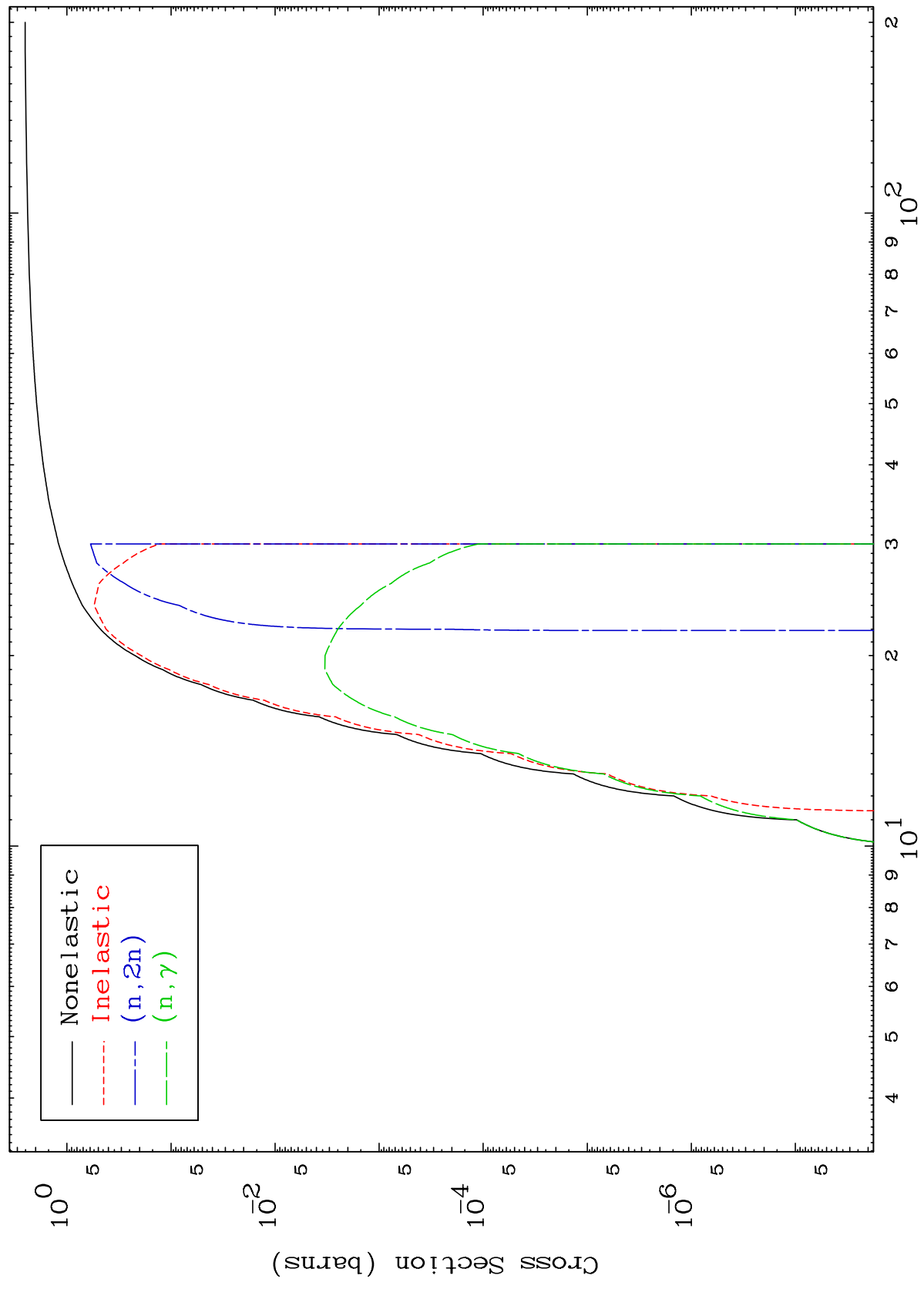
Press Mouse Button to Start

MAT 7010

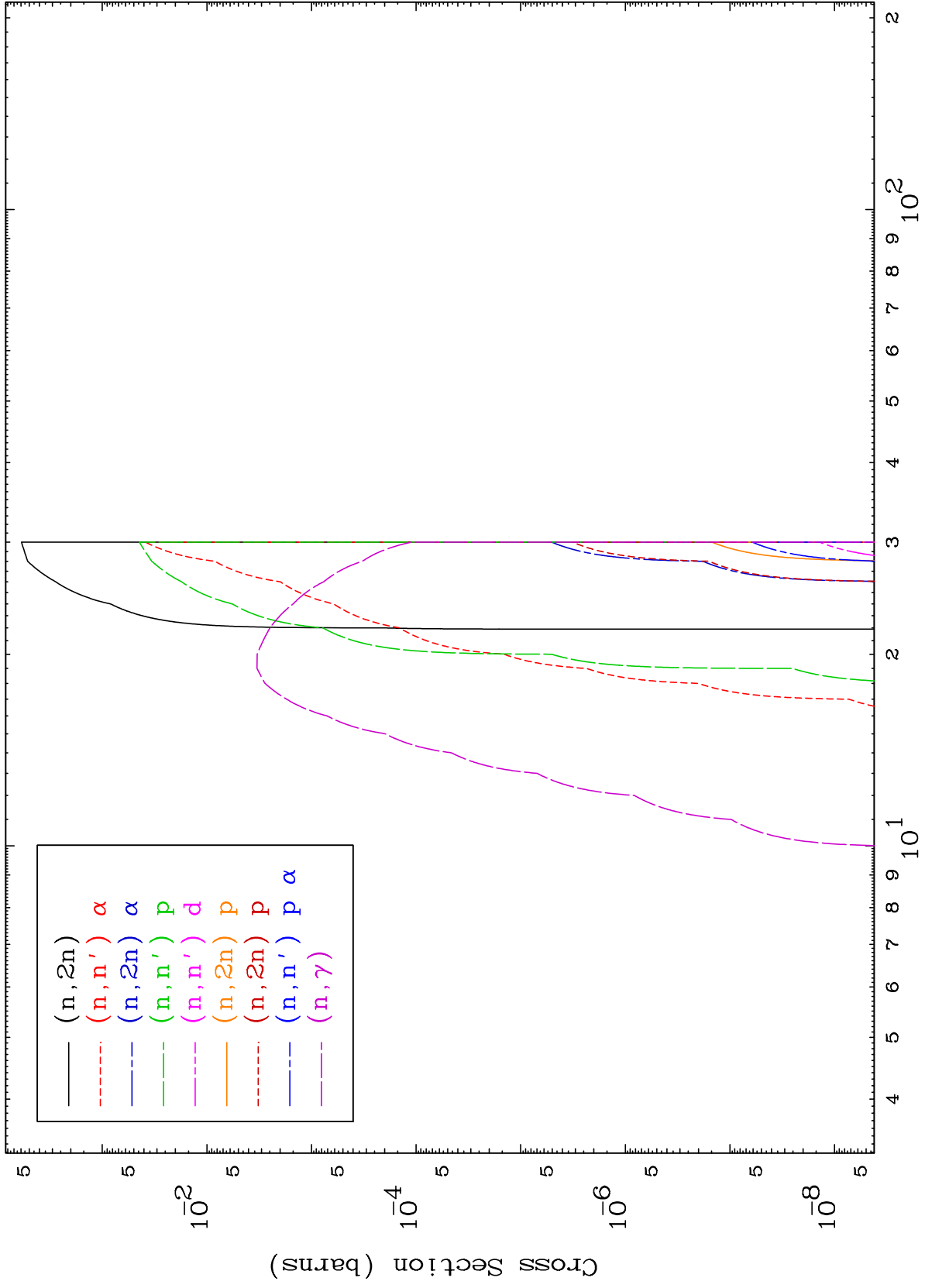
$\alpha$  Major

70-Yb-163

0 Kelvin Cross Sections



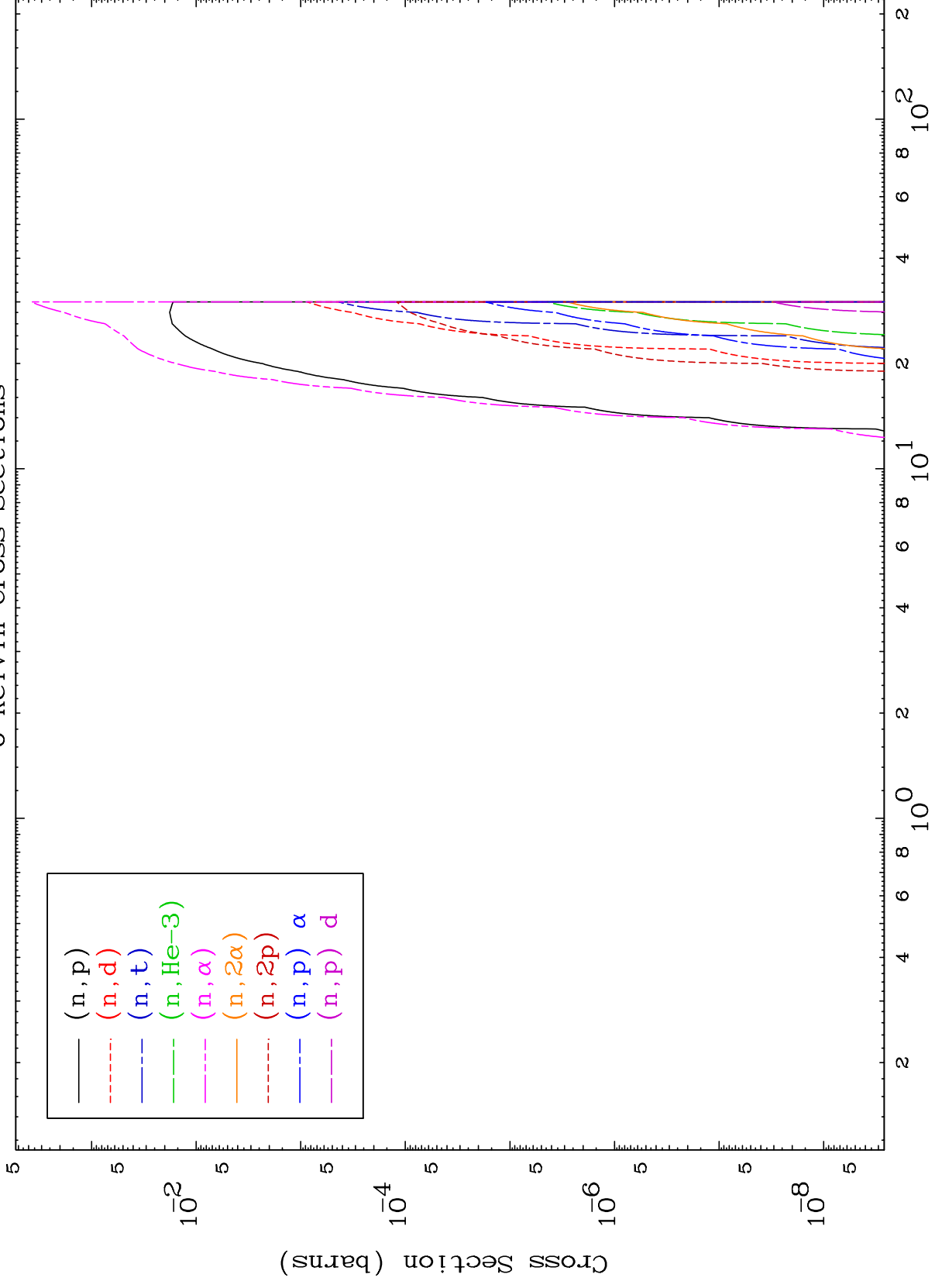
Legend:  
— Nonelastic  
- - - Inelastic  
- - - (n, 2n)  
- - - (n,  $\gamma$ )

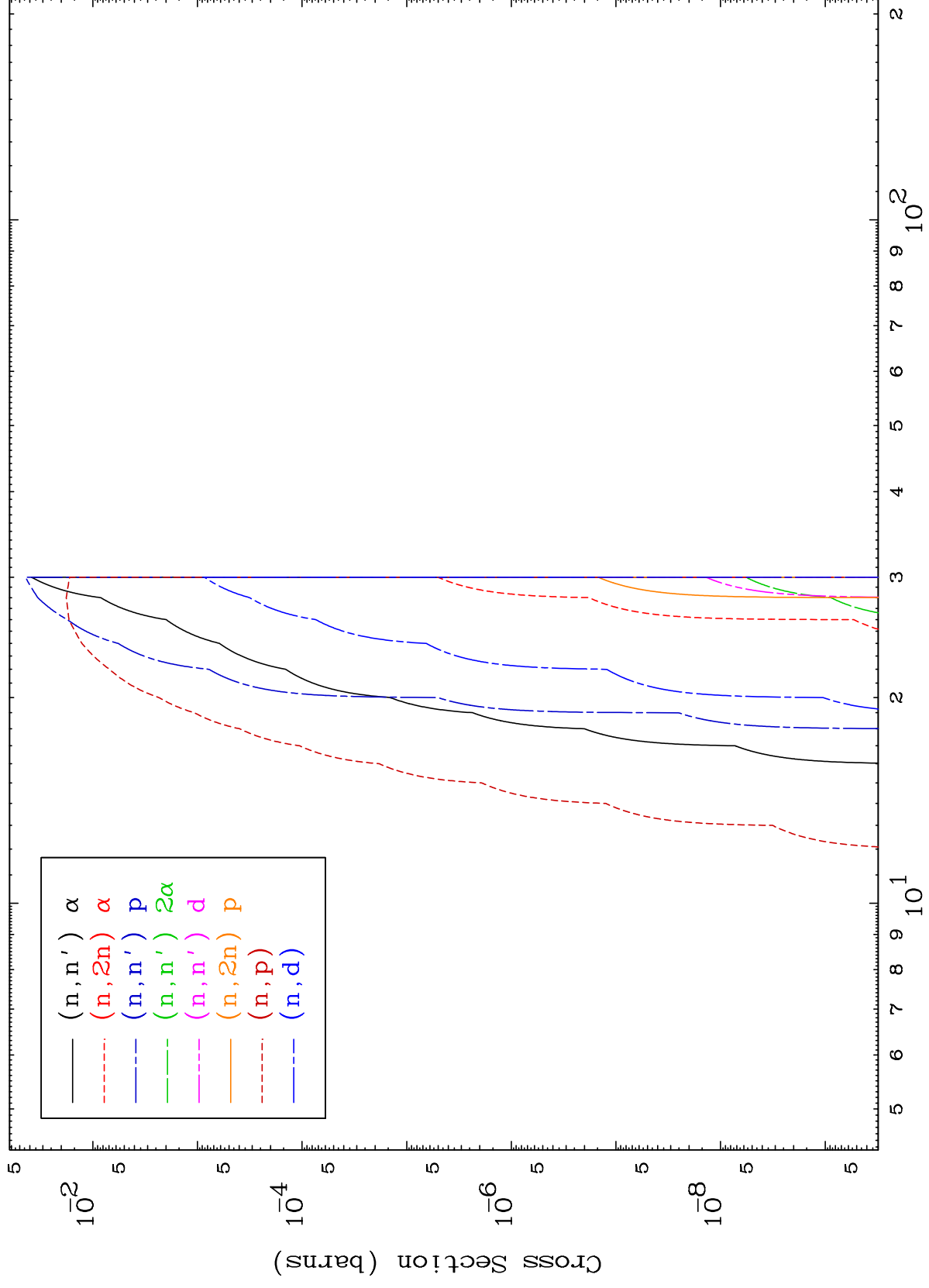


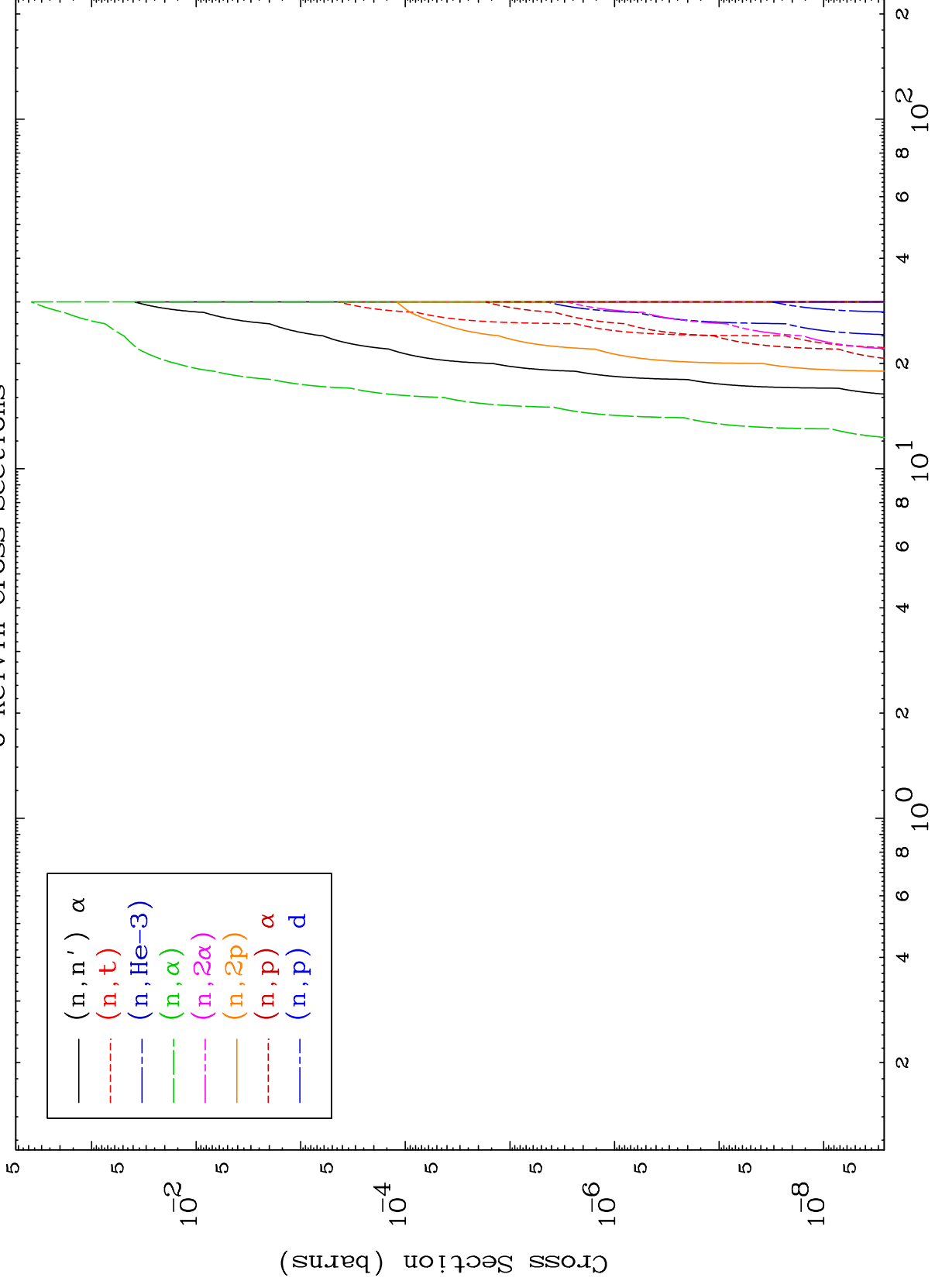
MAT 7010

$\alpha$  Neutron Absorption  
0 Kelvin Cross Sections

70-Yb-163



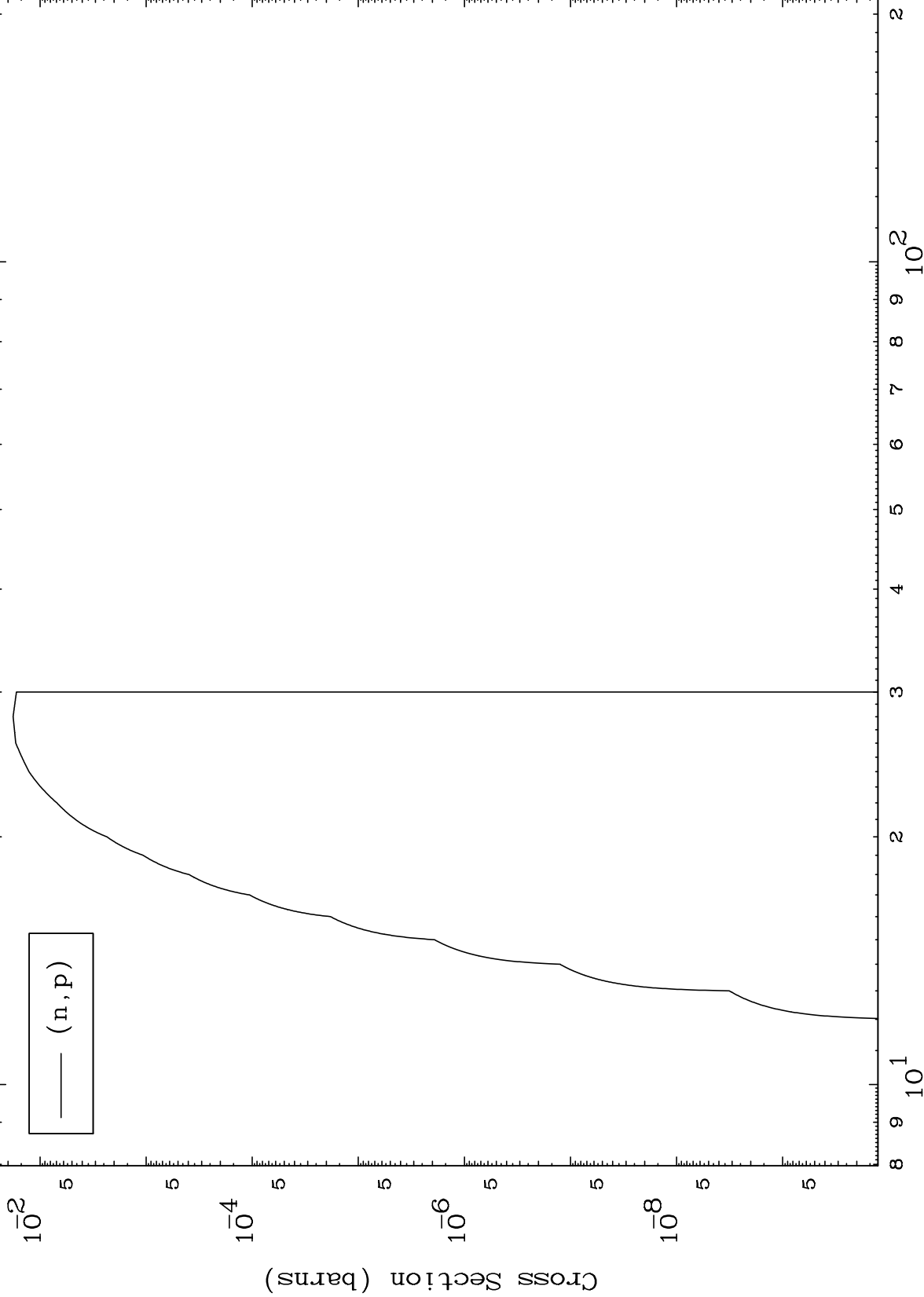




MAT 7010

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

70-Yb-163



Incident Energy (MeV)

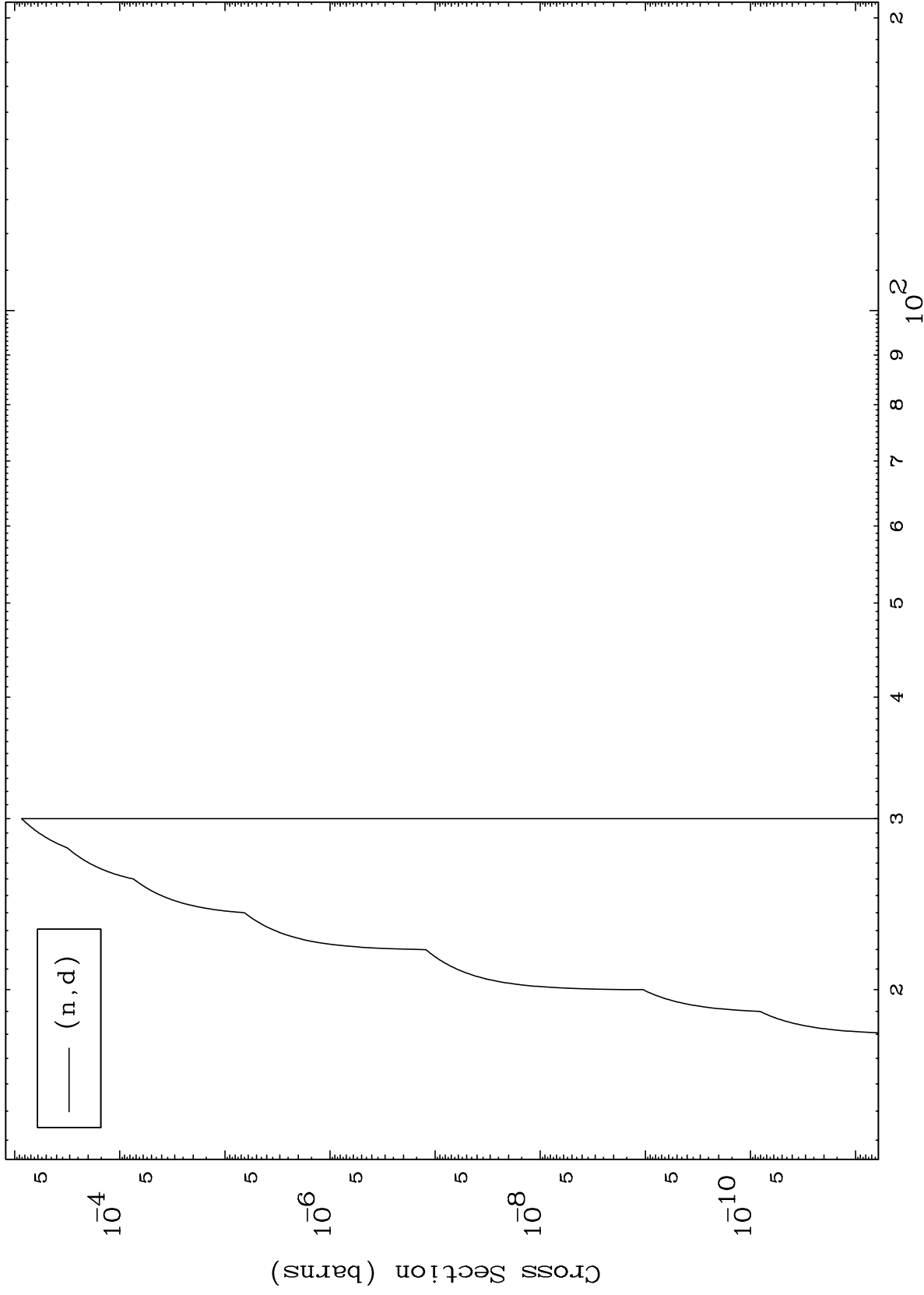
70-Yb-163

6

MAT 7010

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

70-Yb-163

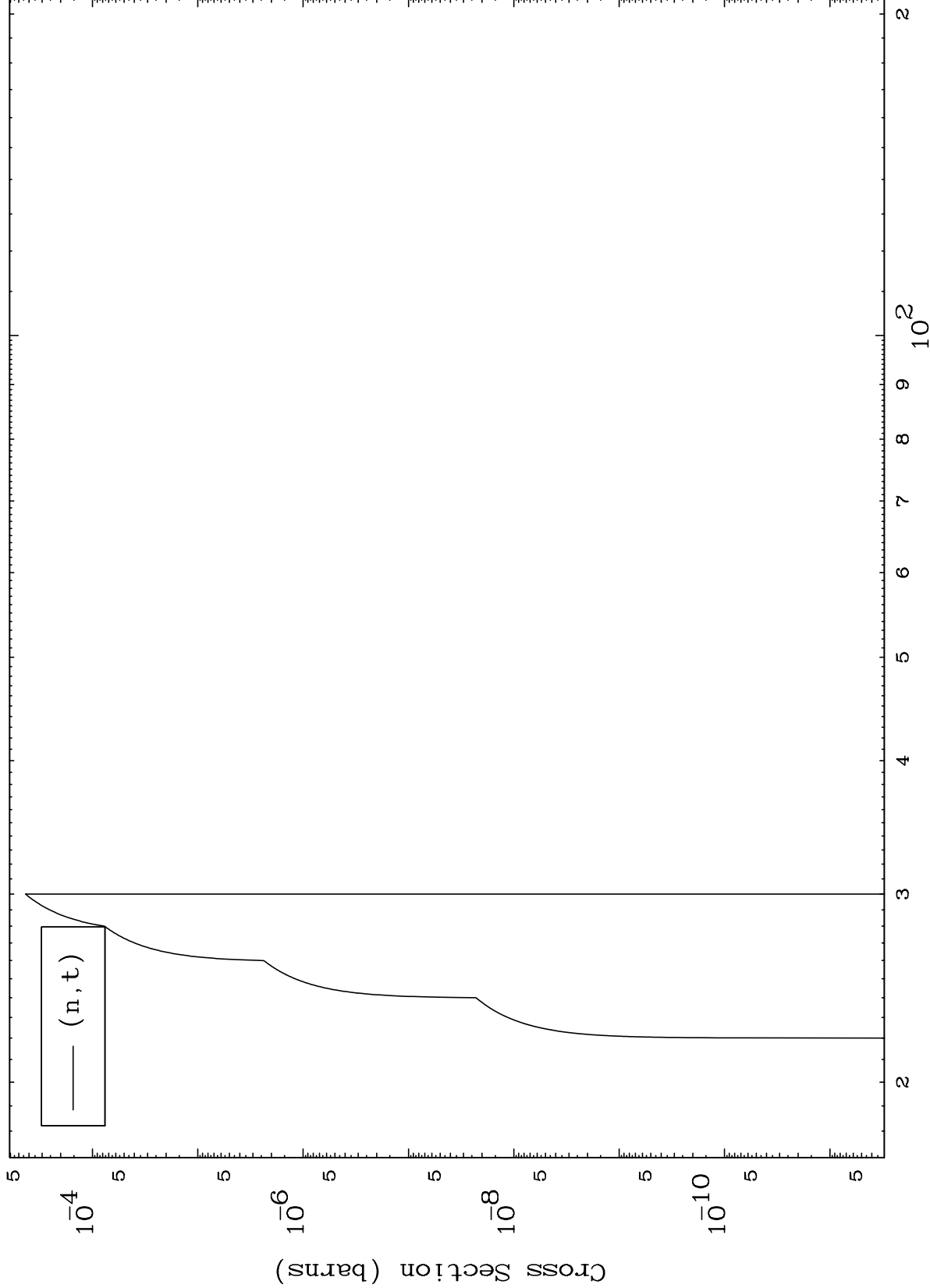


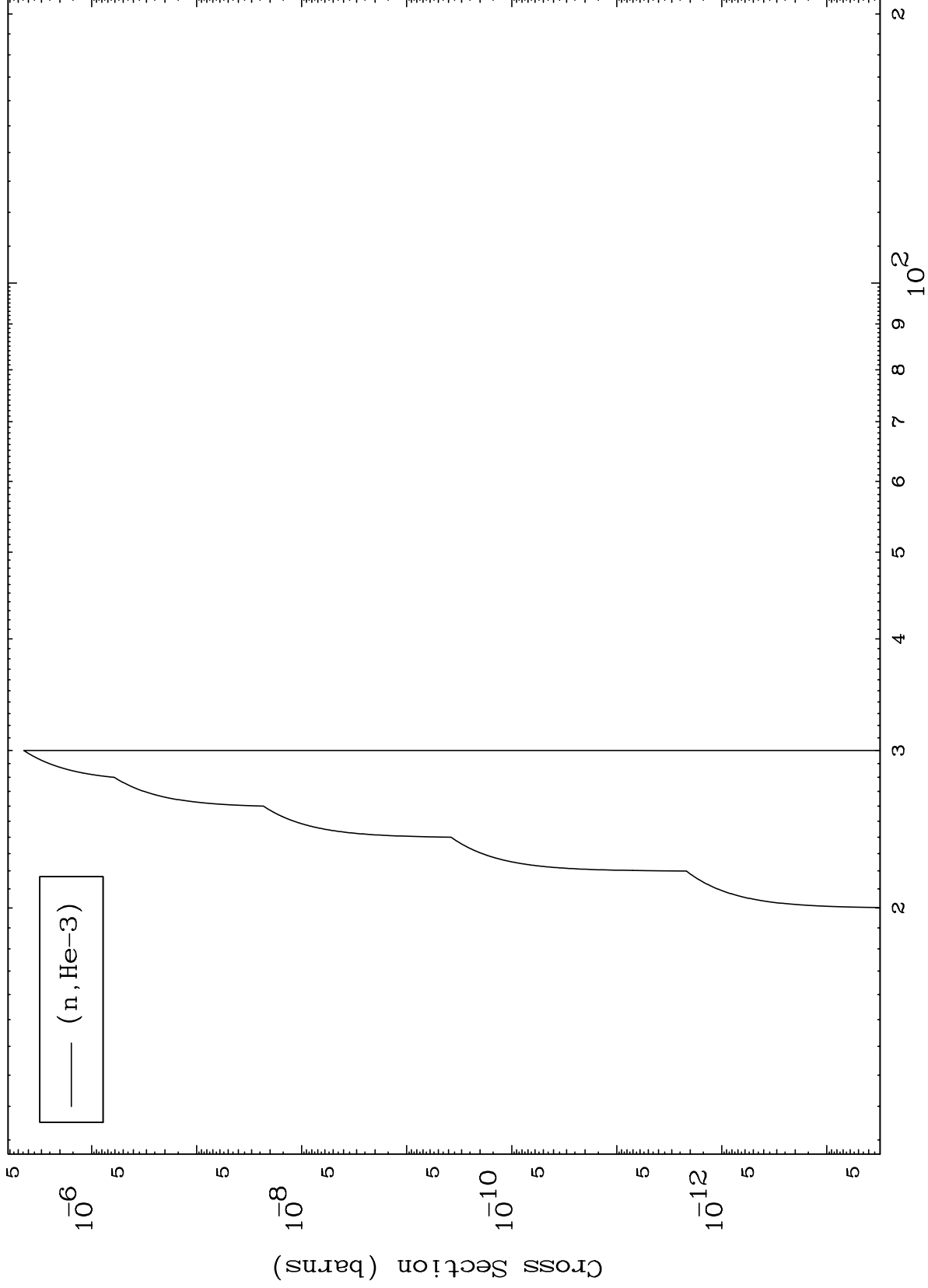
7

Incident Energy (MeV)

70-Yb-163





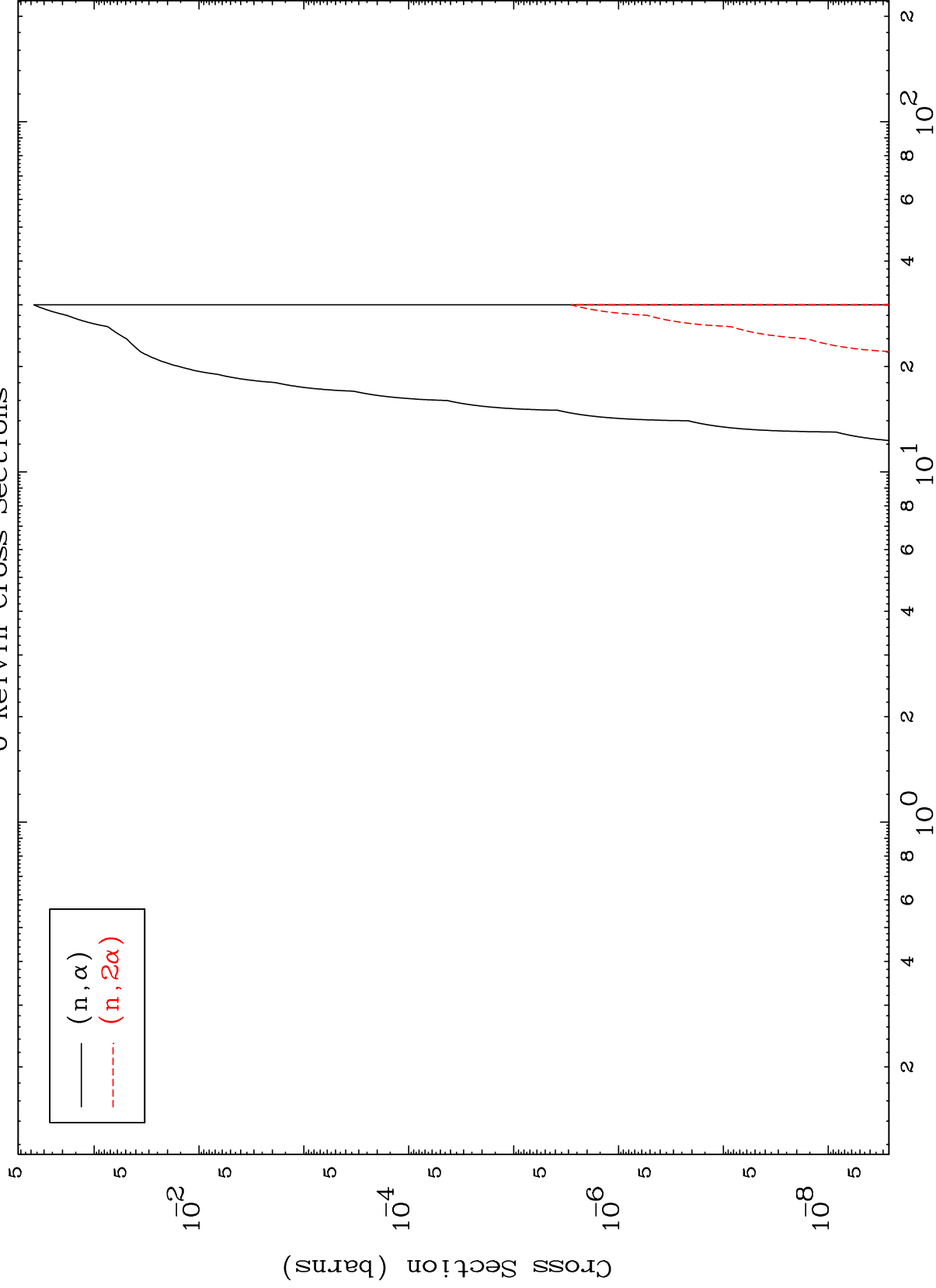


MAT 7010

( $\alpha, \alpha$ ) Levels

70-Yb-163

0 Kelvin Cross Sections



10

Incident Energy (MeV)

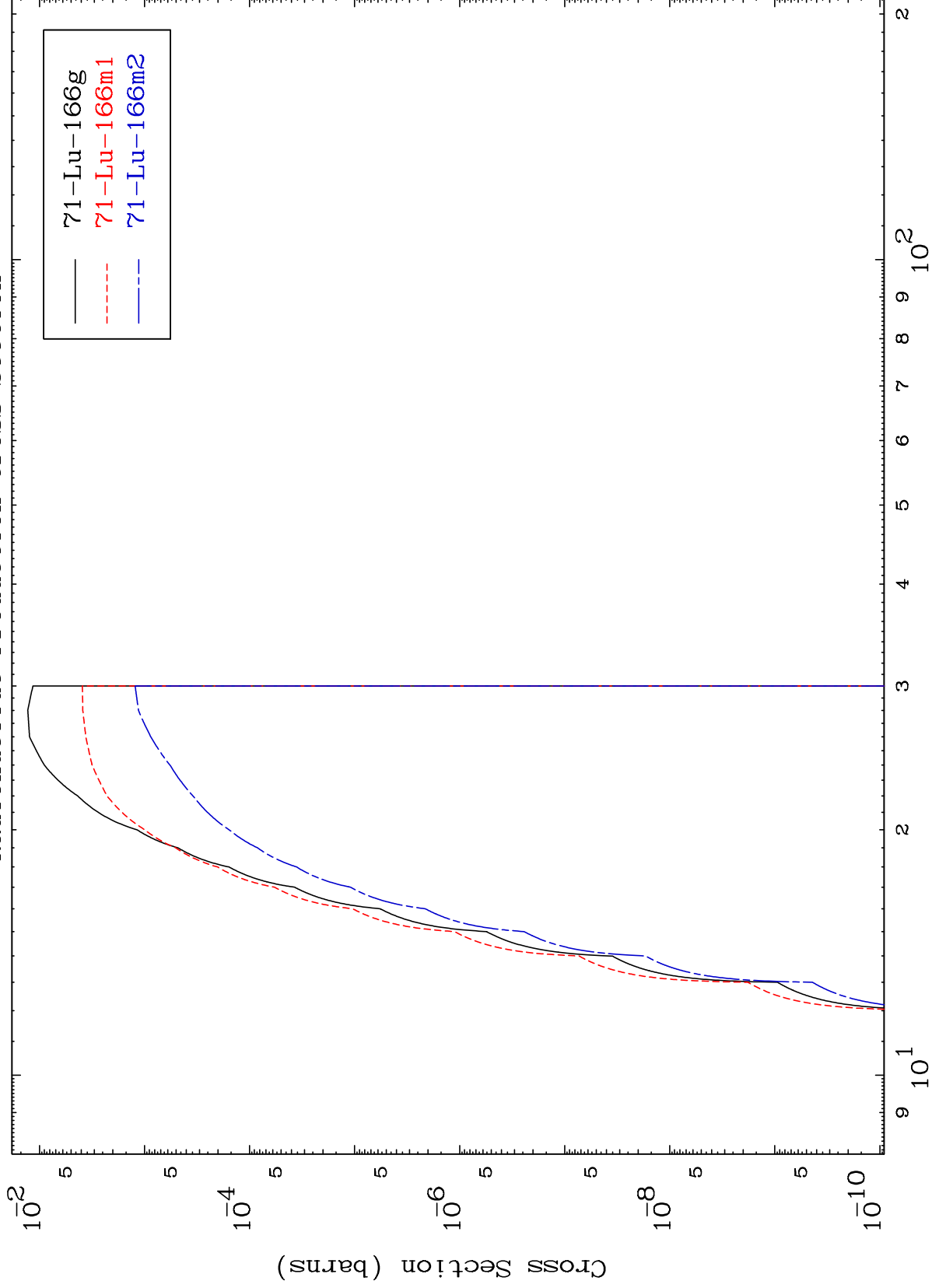
70-Yb-163

MAT 7010

(n,p)

70-Yb-163

Radionuclide Production Cross Section



Incident Energy (MeV)

70-Yb-163

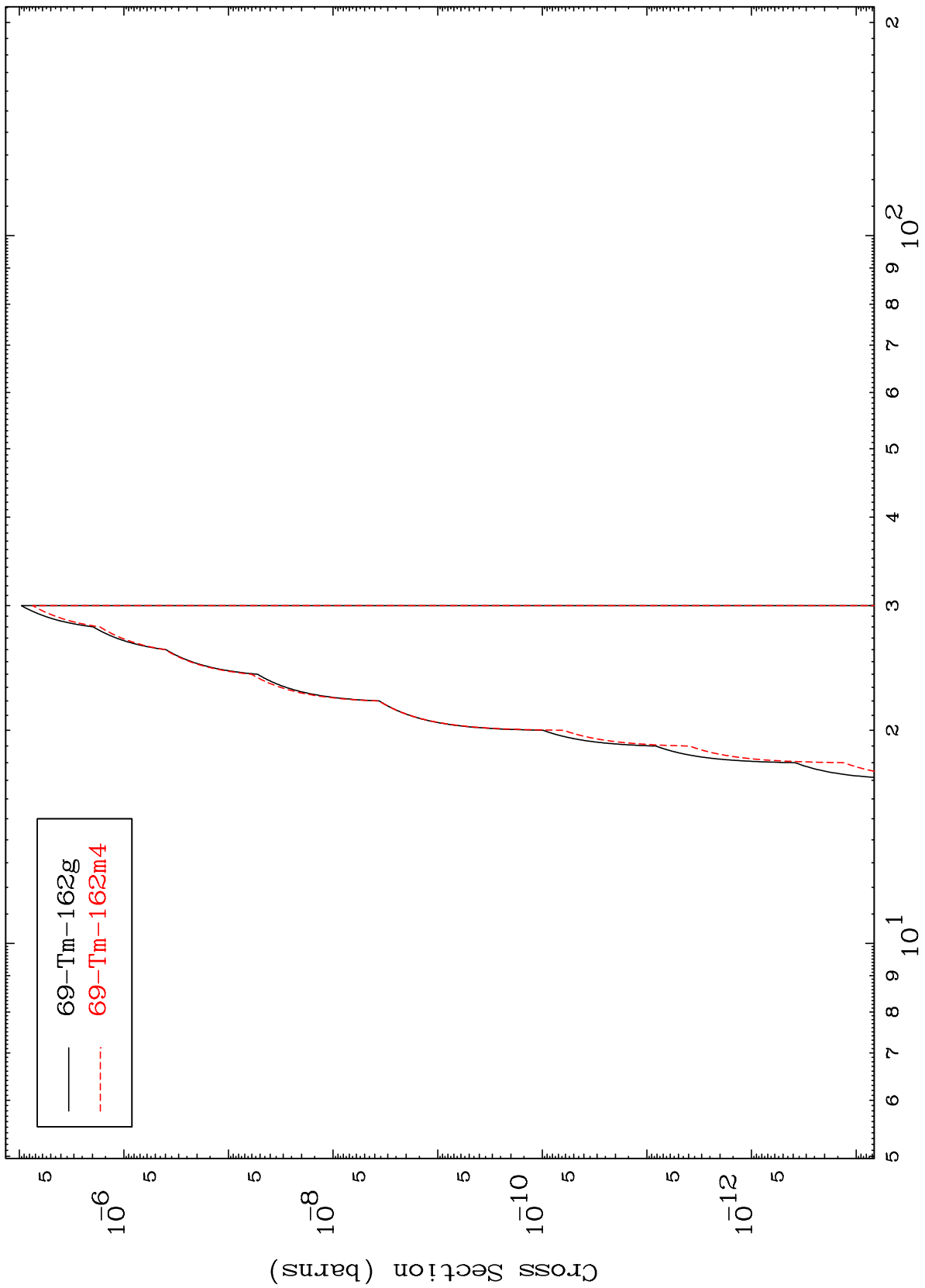
11

MAT 7010

(n,p)  $\alpha$

70-Yb-163

Radionuclide Production Cross Section



12

Incident Energy (MeV)

70-Yb-163