

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

Web:redcullen1.net/HOMEPAGE.NEW

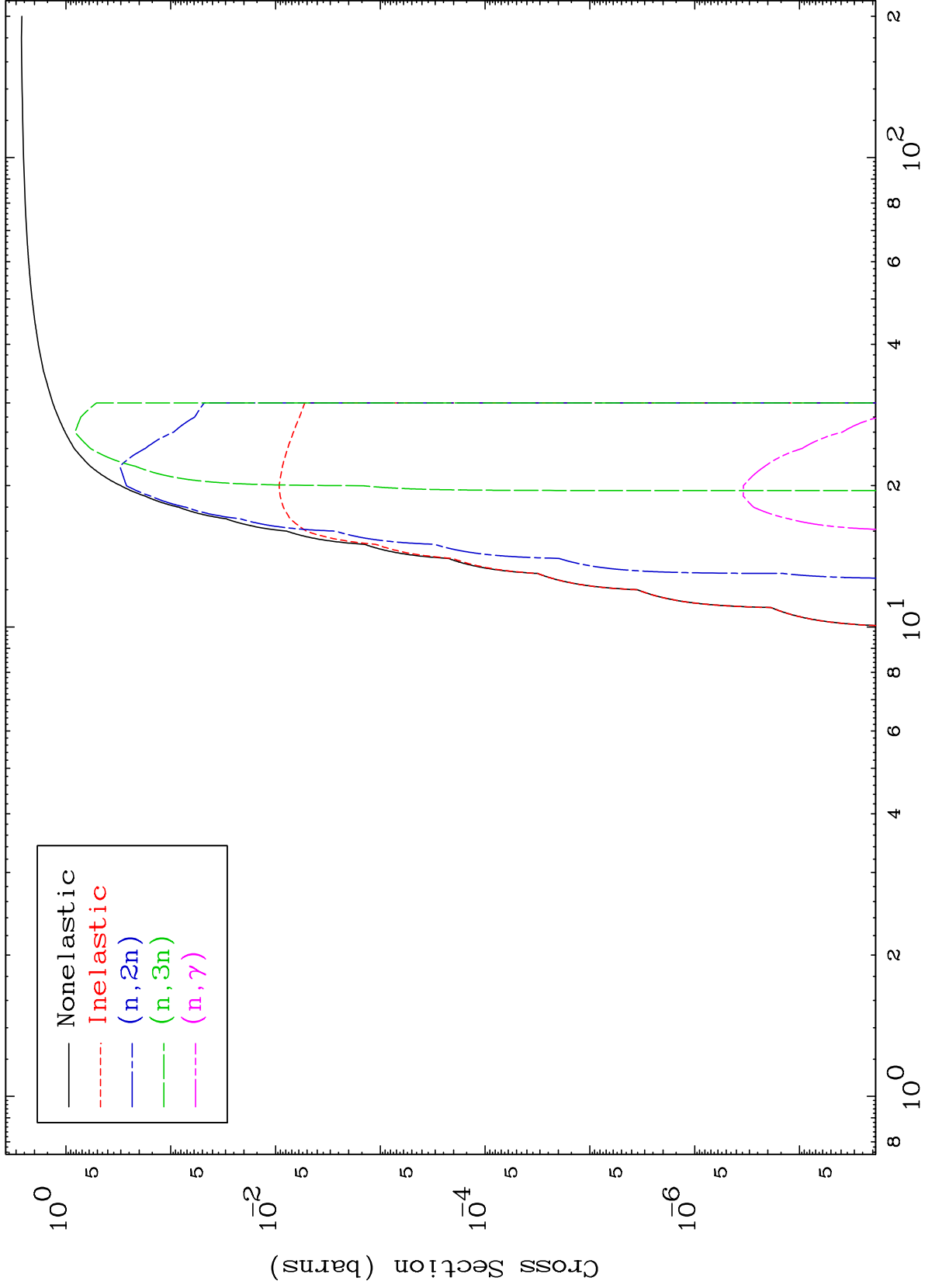
Press Mouse Button to Start

MAT 7061

$\alpha$  Major

70-Yb-180

0 Kelvin Cross Sections



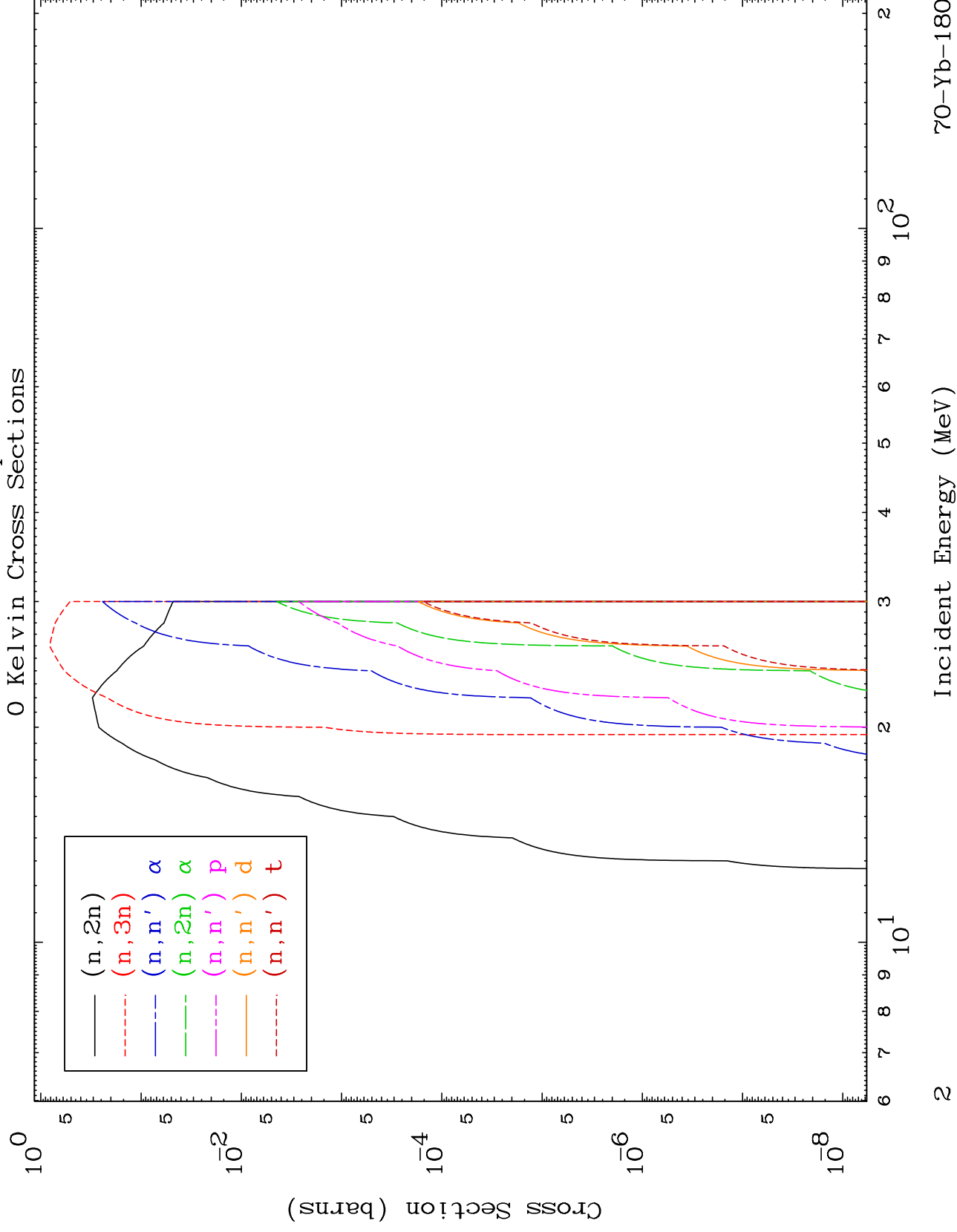
Incident Energy (MeV)

70-Yb-180

MAT 7061

$\alpha$  Neutron Absorption  
0 Kelvin Cross Sections

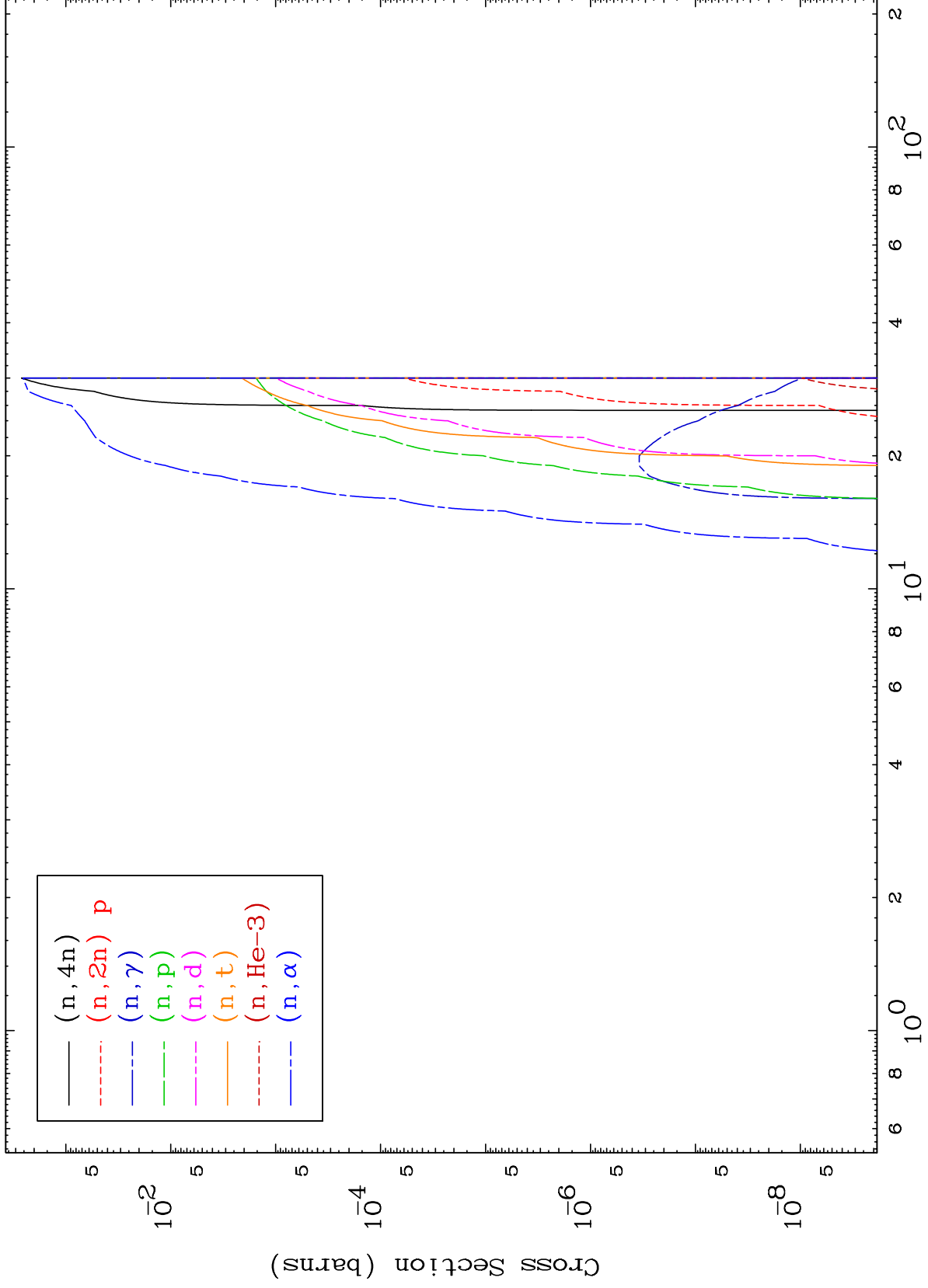
70-Yb-180



MAT 7061

$\alpha$  Neutron Absorption  
0 Kelvin Cross Sections

70-Yb-180



3

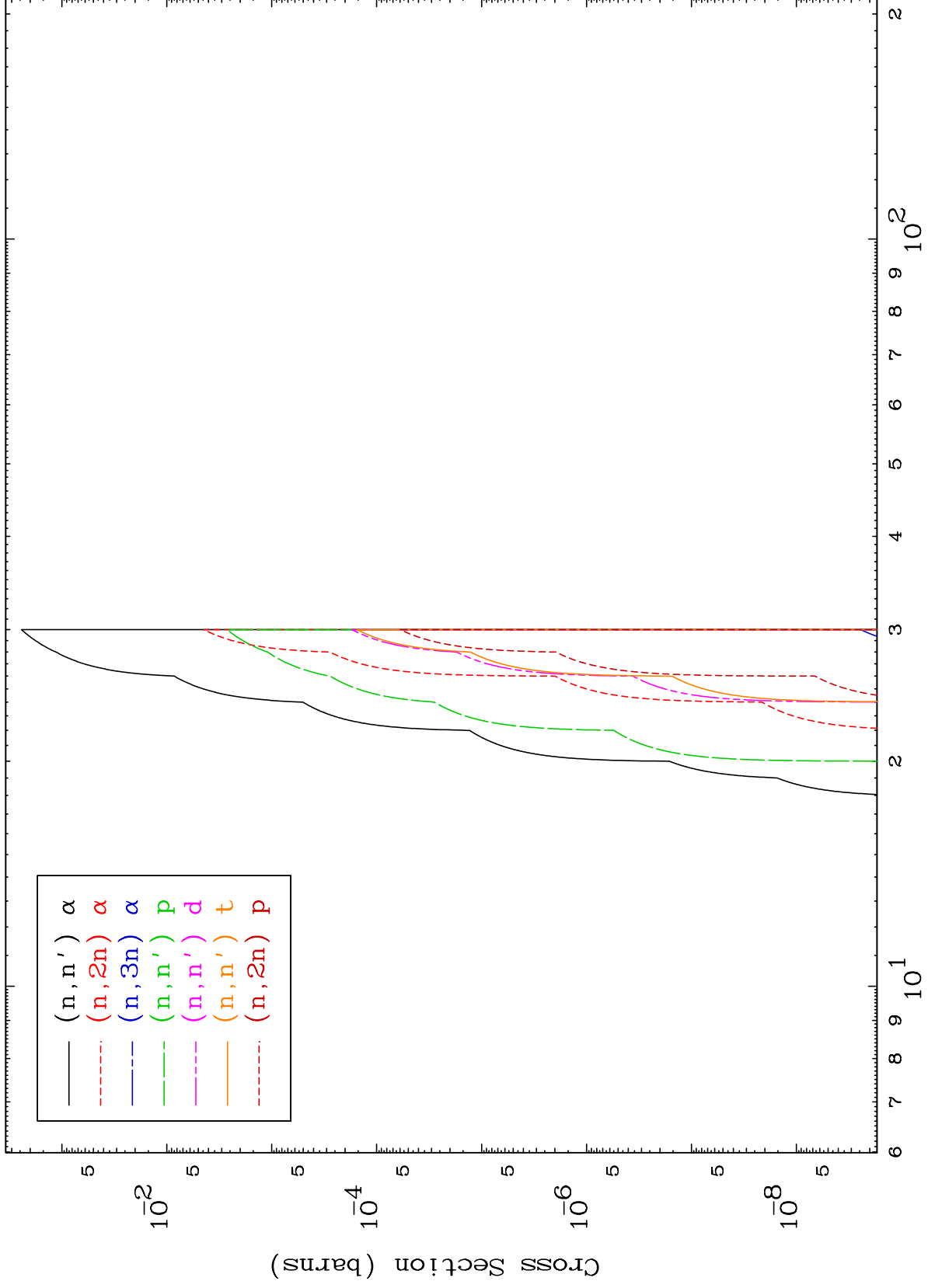
Incident Energy (MeV)

70-Yb-180

MAT 7061

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

70-Yb-180

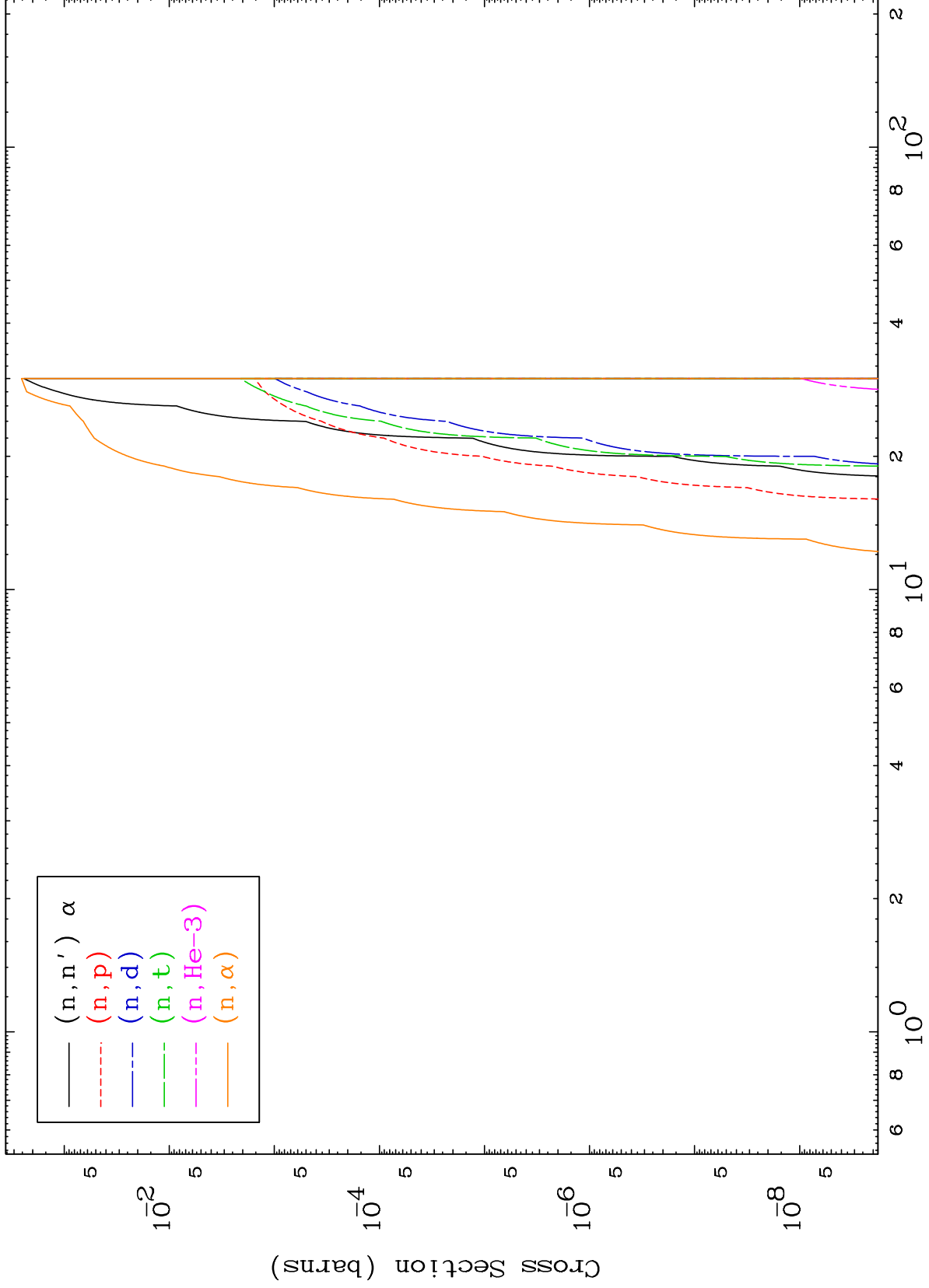


MAT 7061

$\alpha$  Charged Particle

70-Yb-180

0 Kelvin Cross Sections



Incident Energy (MeV)

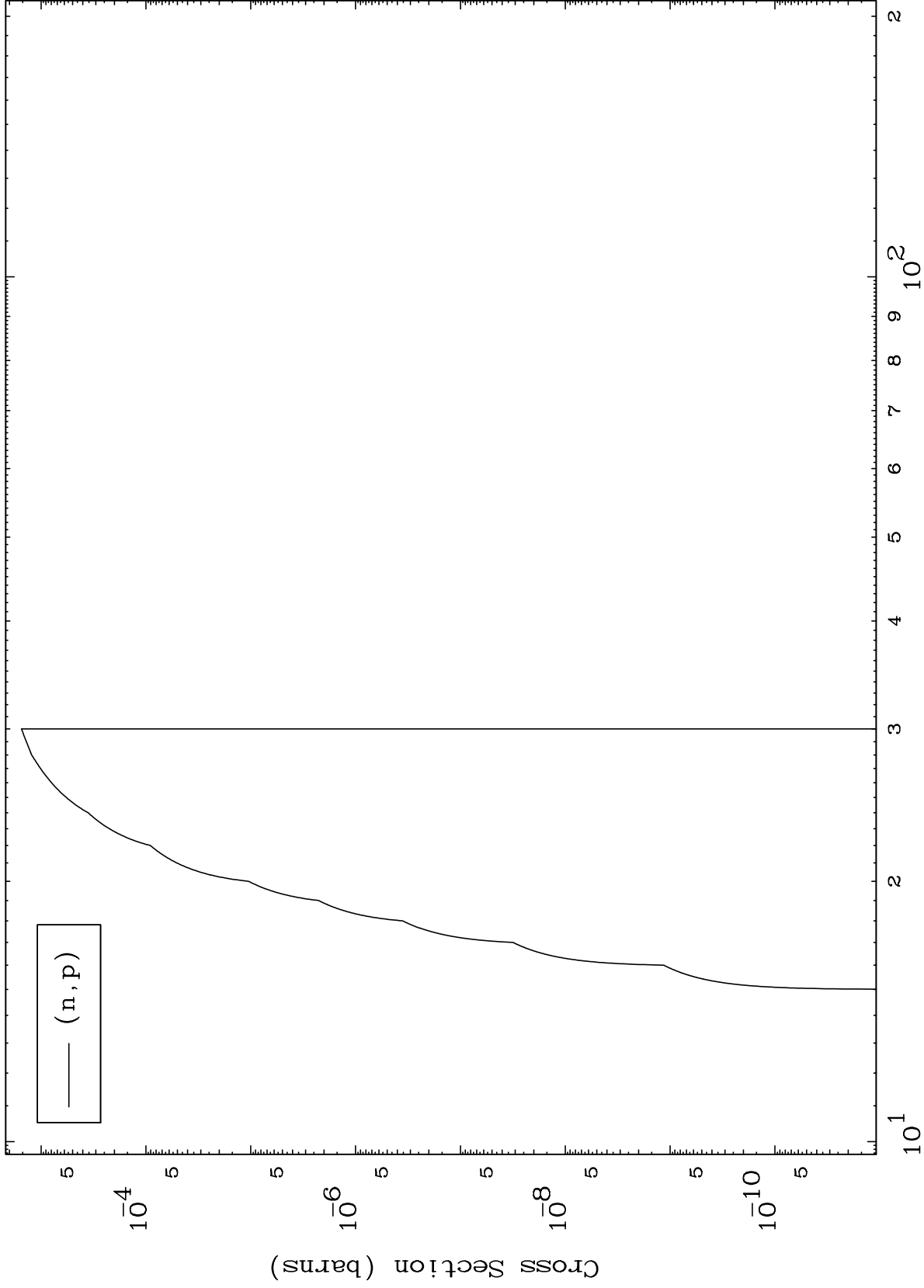
70-Yb-180

5

MAT 7061

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

70-Yb-180



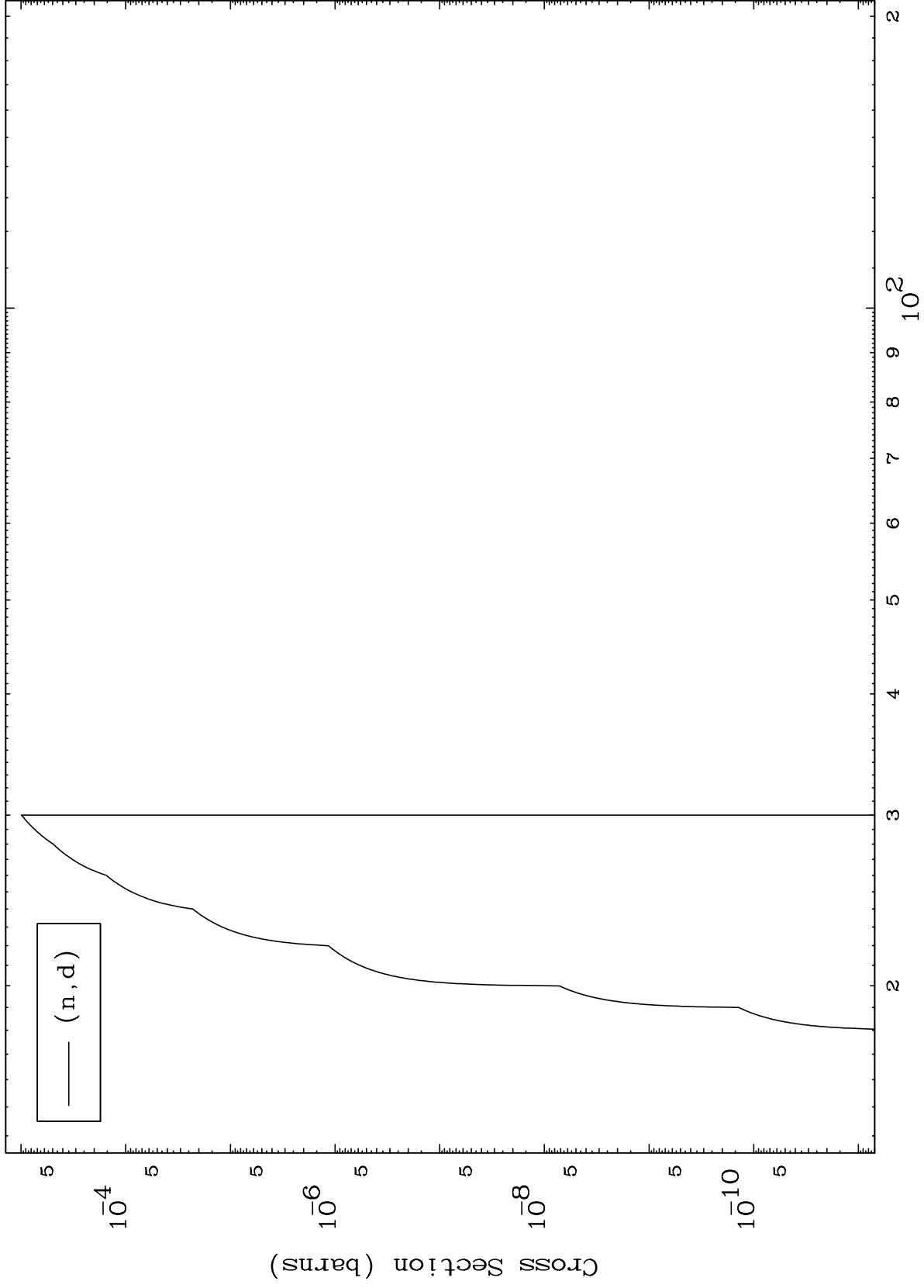
Incident Energy (MeV)

70-Yb-180

MAT 7061

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

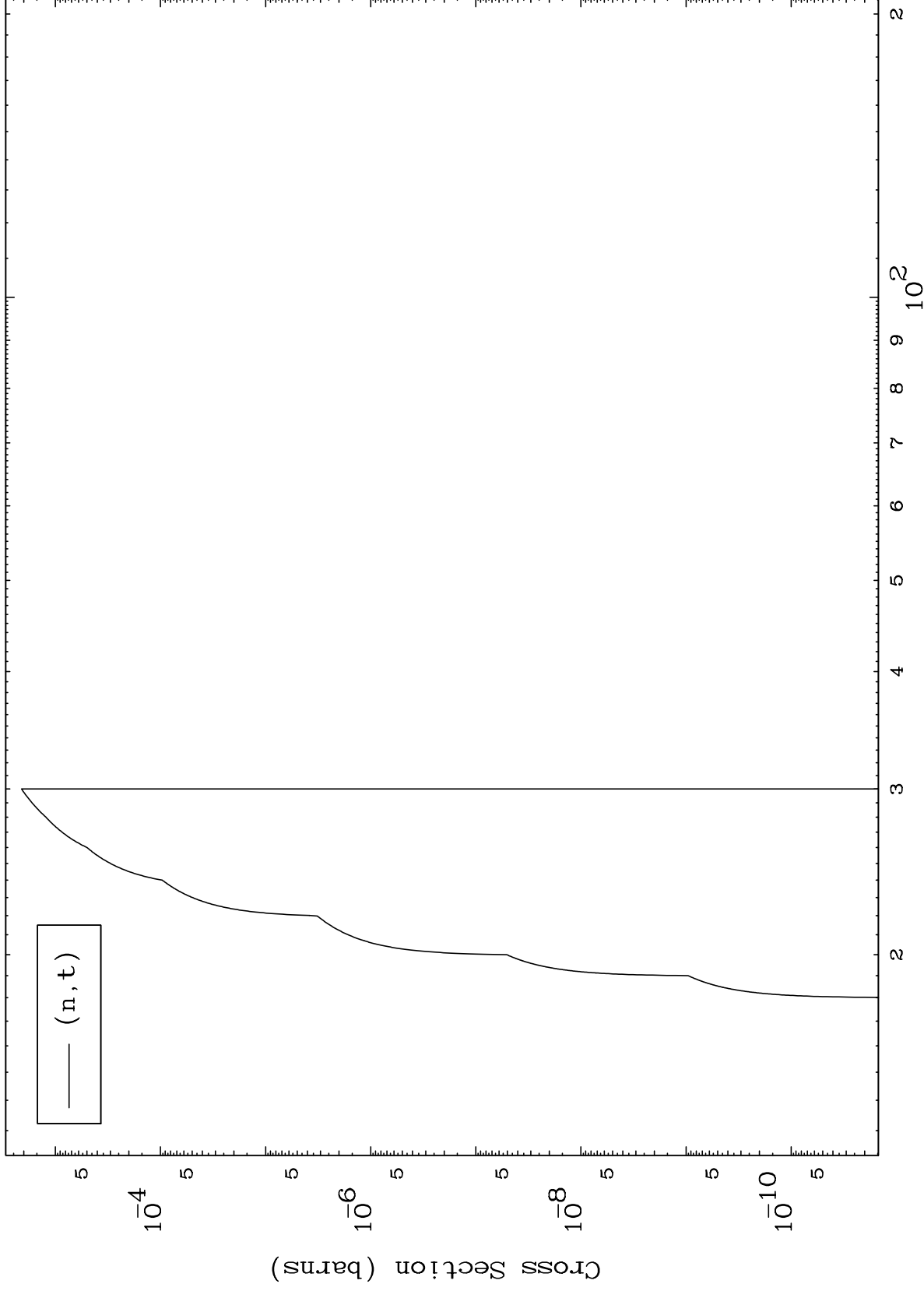
70-Yb-180



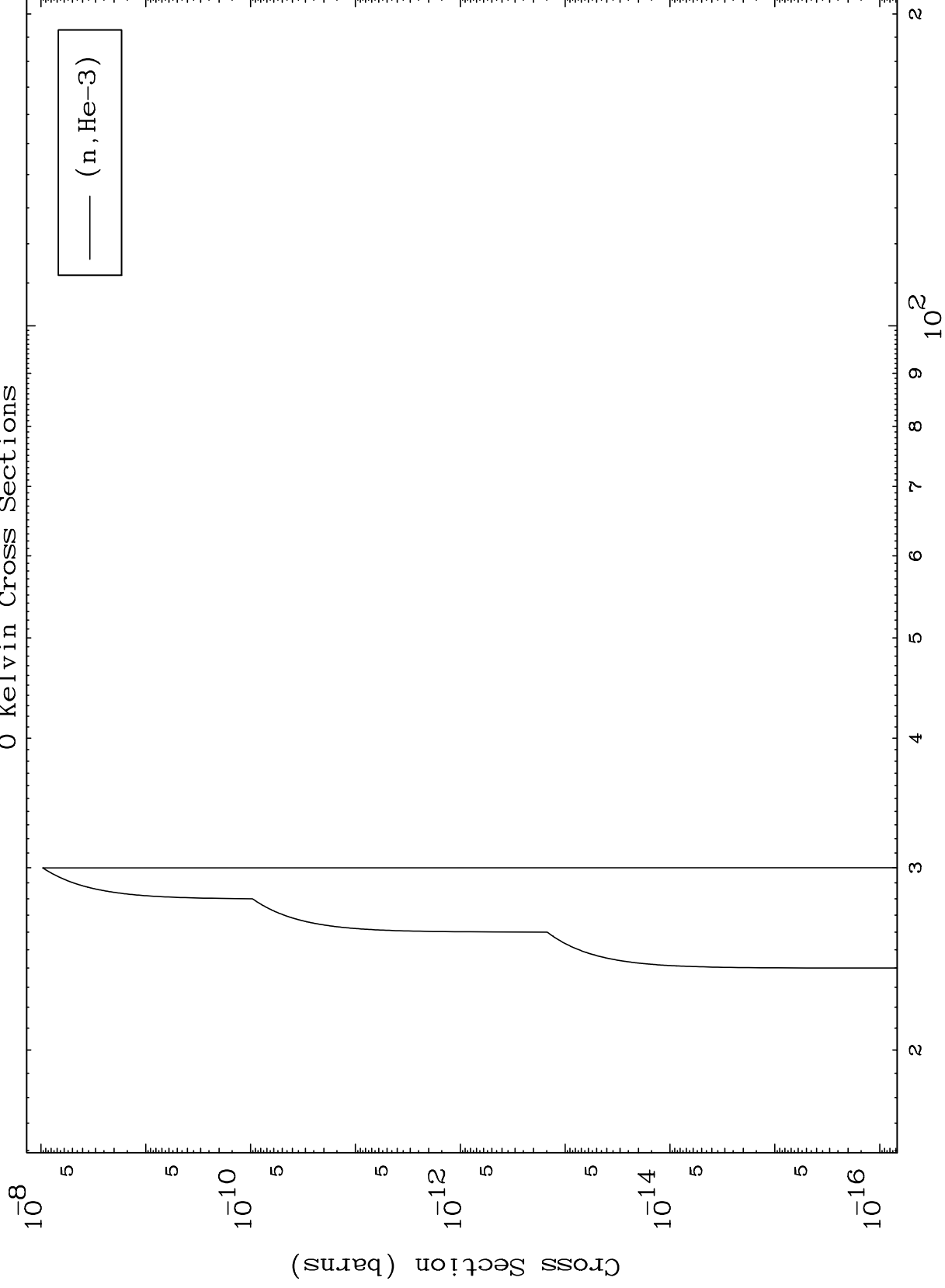
7

Incident Energy (MeV)

70-Yb-180



( $\alpha, \text{He3}$ ) Levels  
0 Kelvin Cross Sections

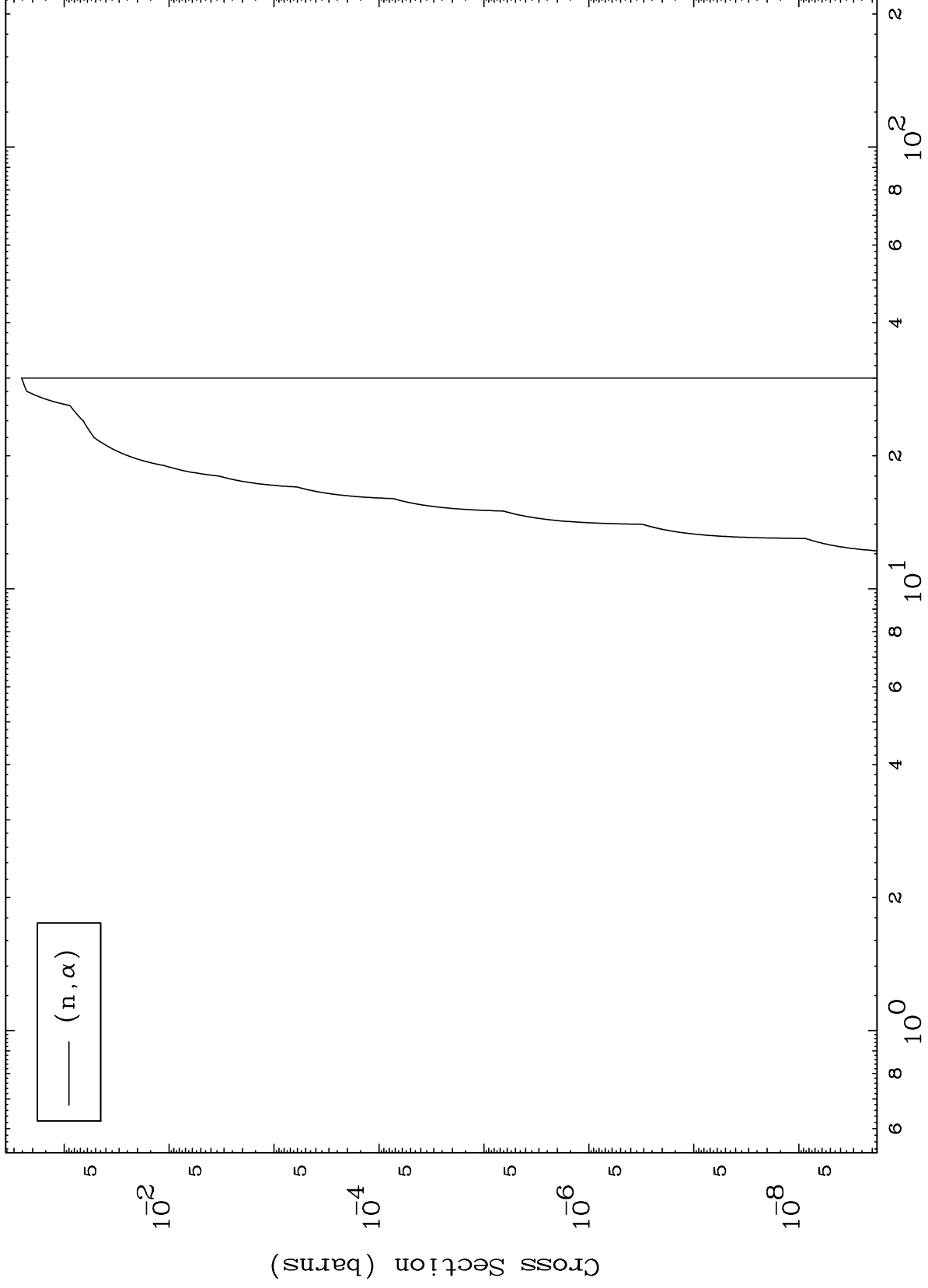


MAT 7061

( $\alpha, \alpha$ ) Levels

70-Yb-180

0 Kelvin Cross Sections

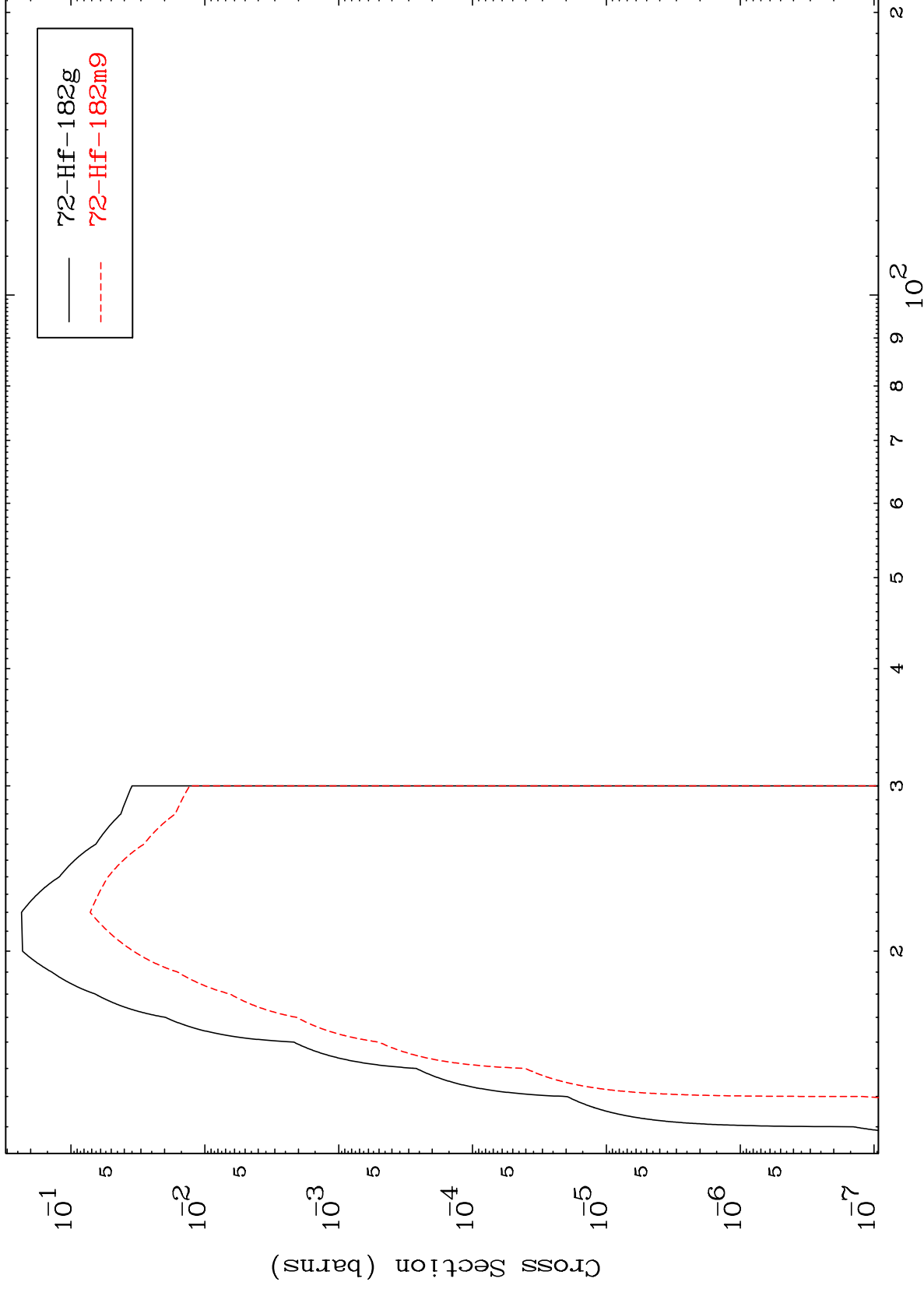


10

Incident Energy (MeV)

70-Yb-180

Radionuclide Production Cross Section

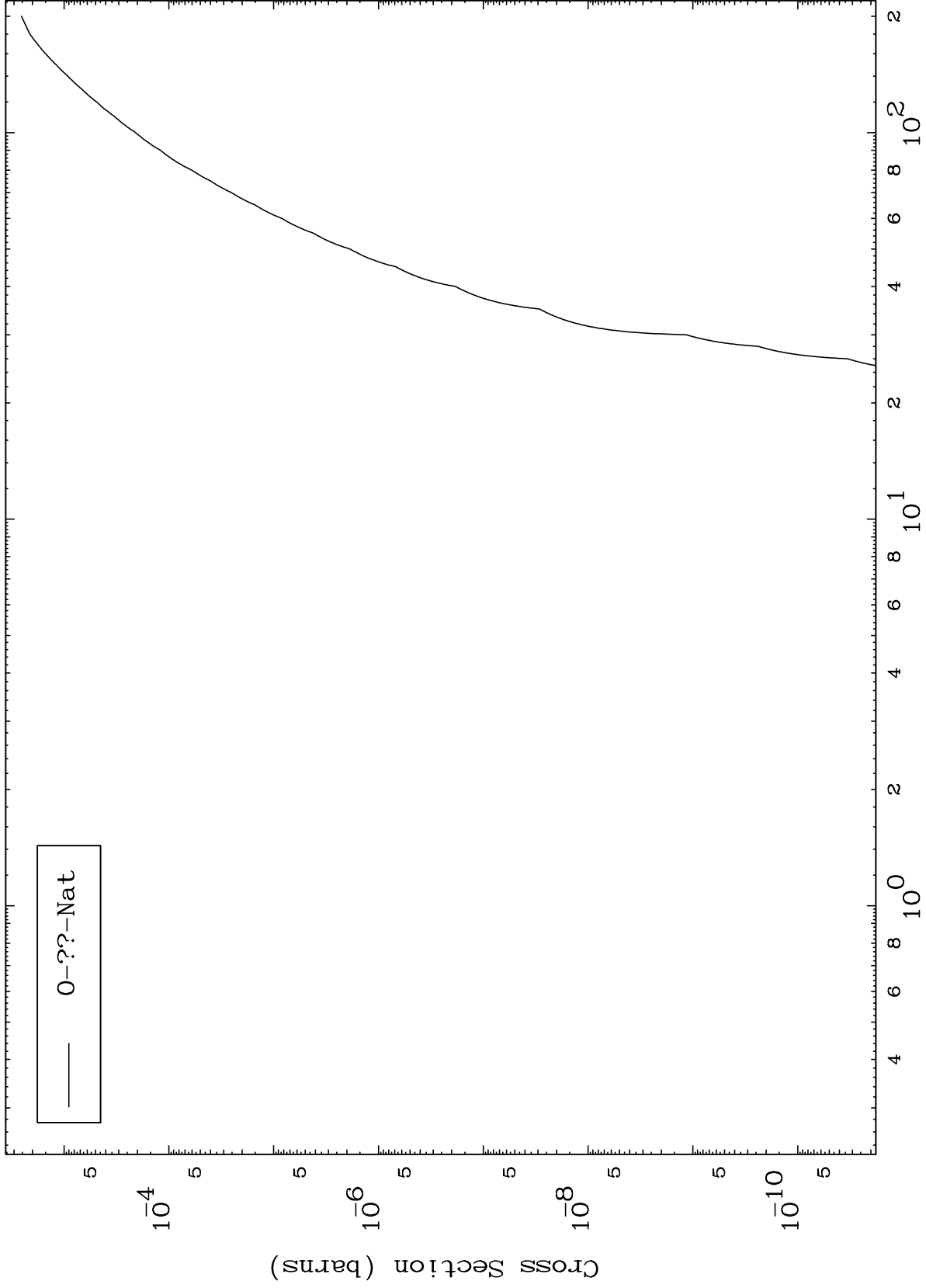


MAT 7061

Fission

<sup>70</sup>Yb-180

Radionuclide Production Cross Section



12

Incident Energy (MeV)

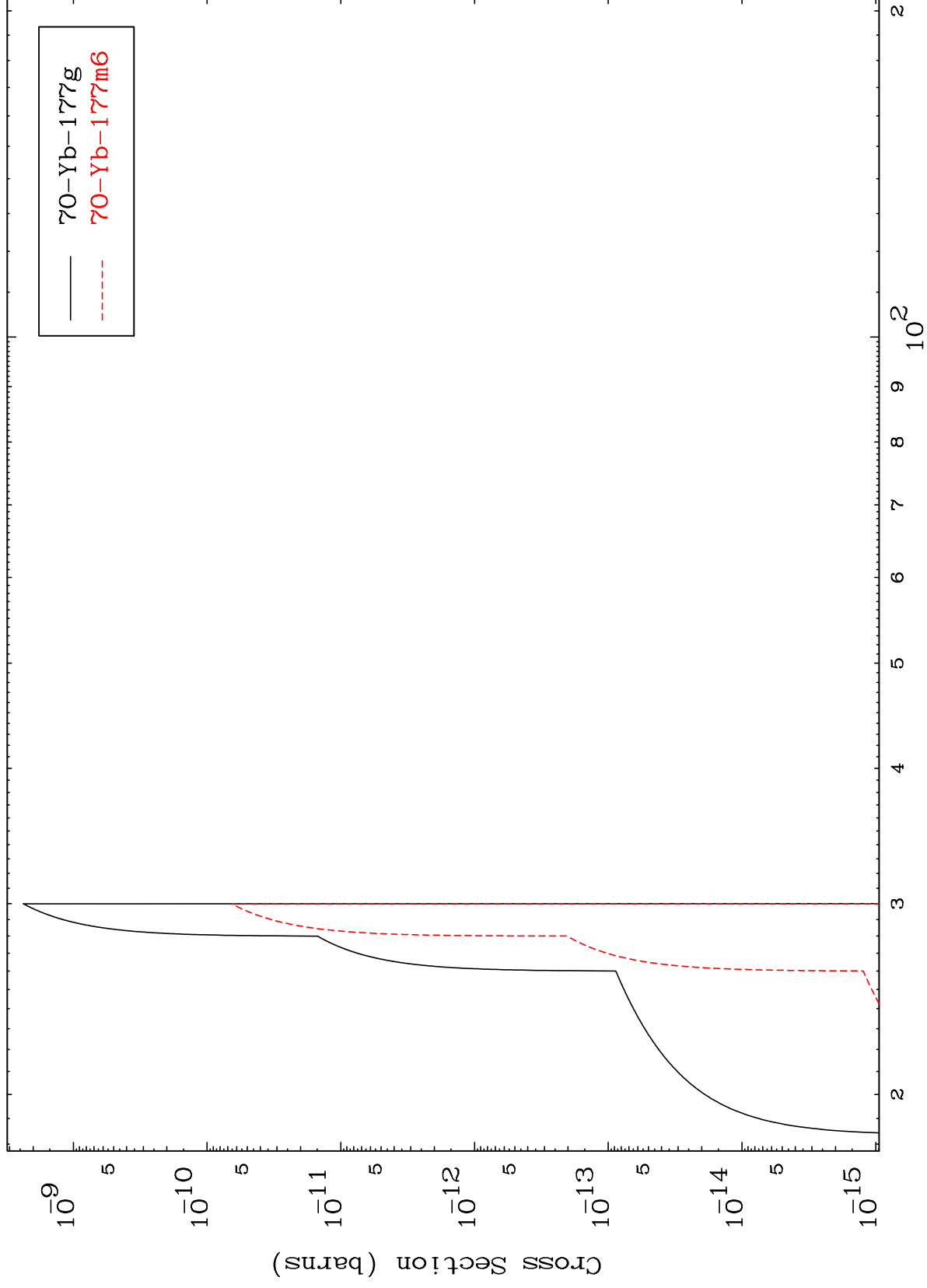
<sup>70</sup>Yb-180

MAT 7061

$(n,3n) \alpha$

70-Yb-180

Radionuclide Production Cross Section



13

Incident Energy (MeV)

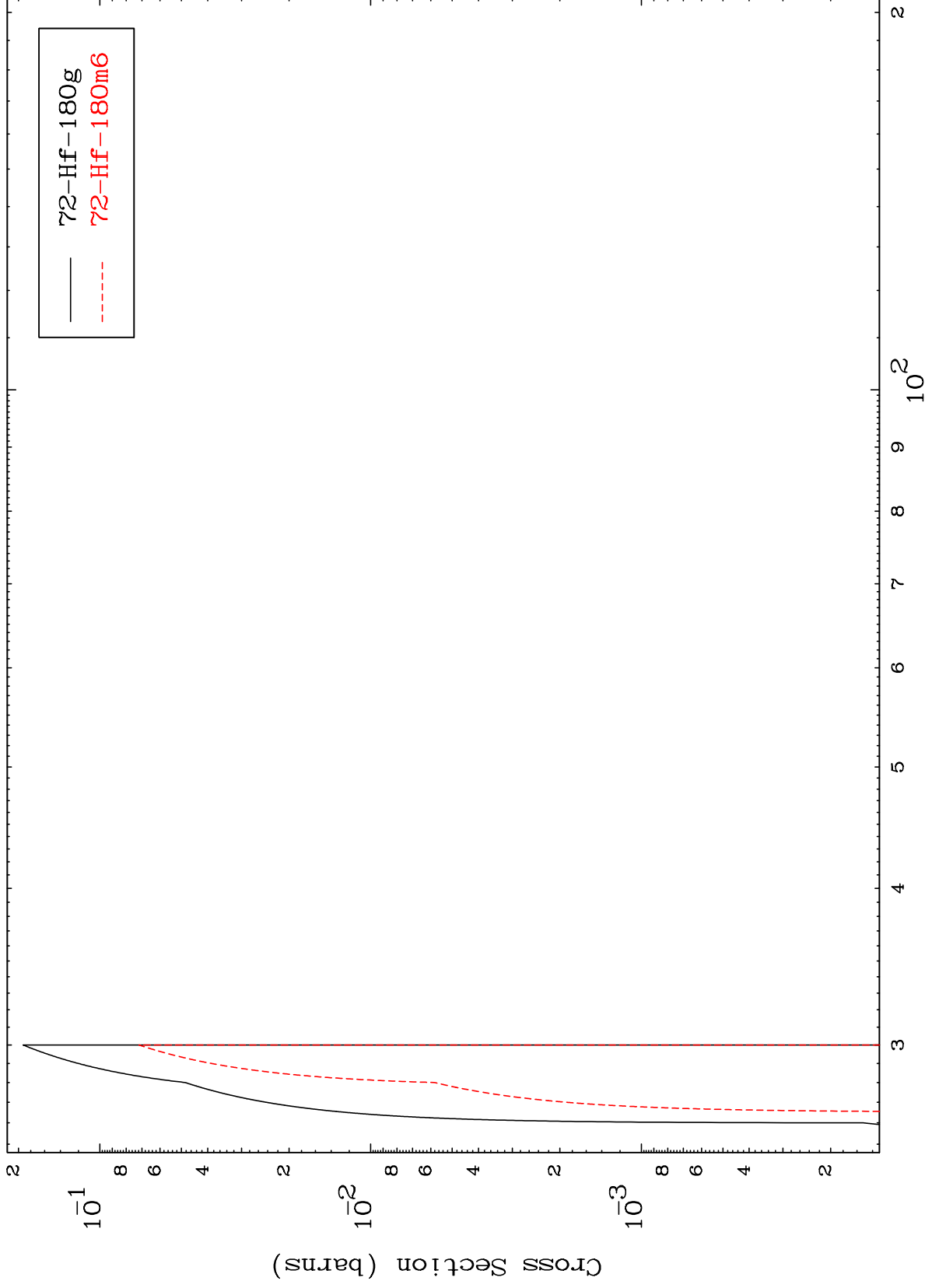
70-Yb-180

MAT 7061

(n,4n)

70-Yb-180

Radionuclide Production Cross Section



14

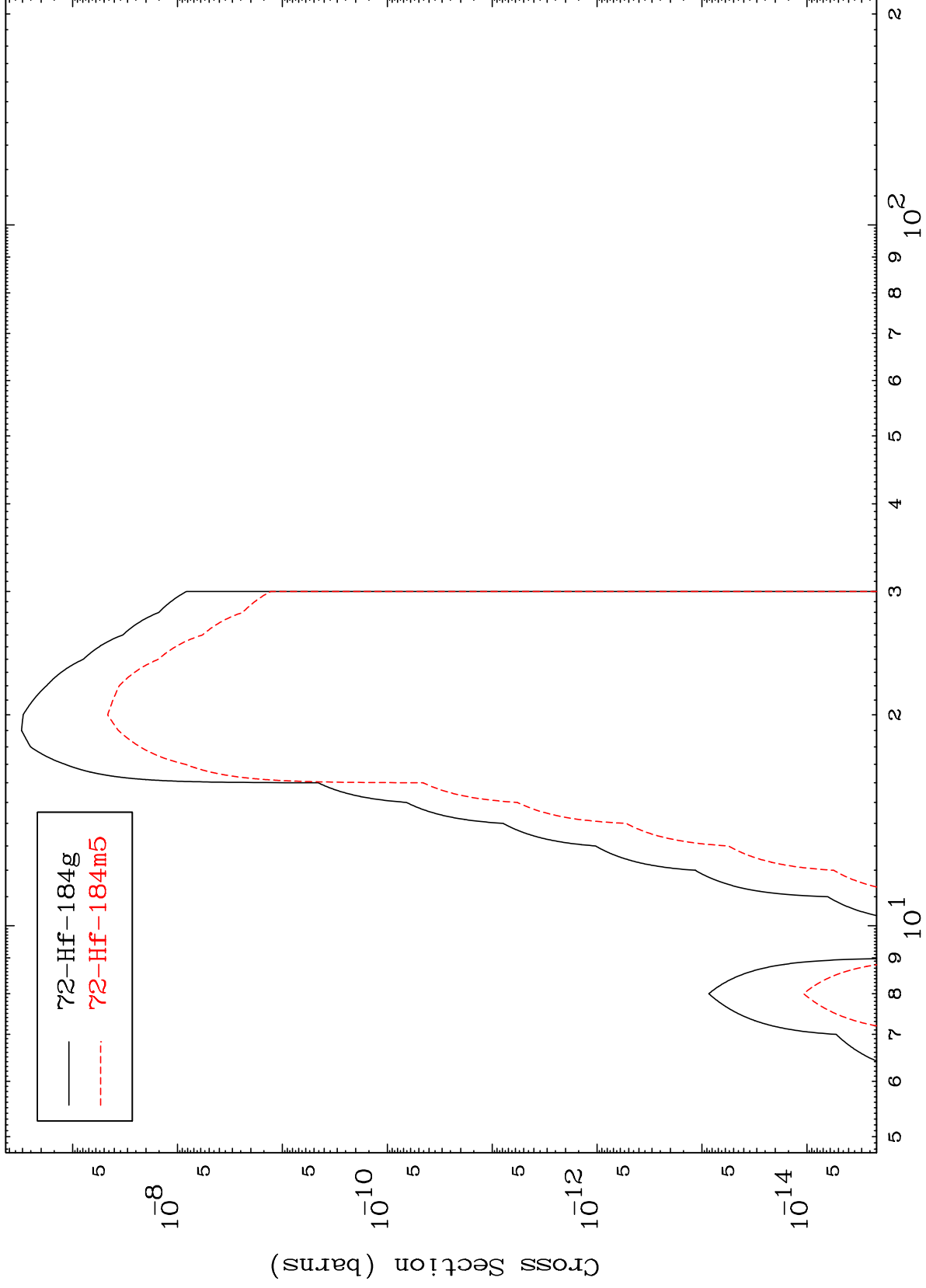
Incident Energy (MeV)

70-Yb-180

MAT 7061

70-Yb-180

(n,γ)  
Radionuclide Production Cross Section



70-Yb-180

Incident Energy (MeV)

15