

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

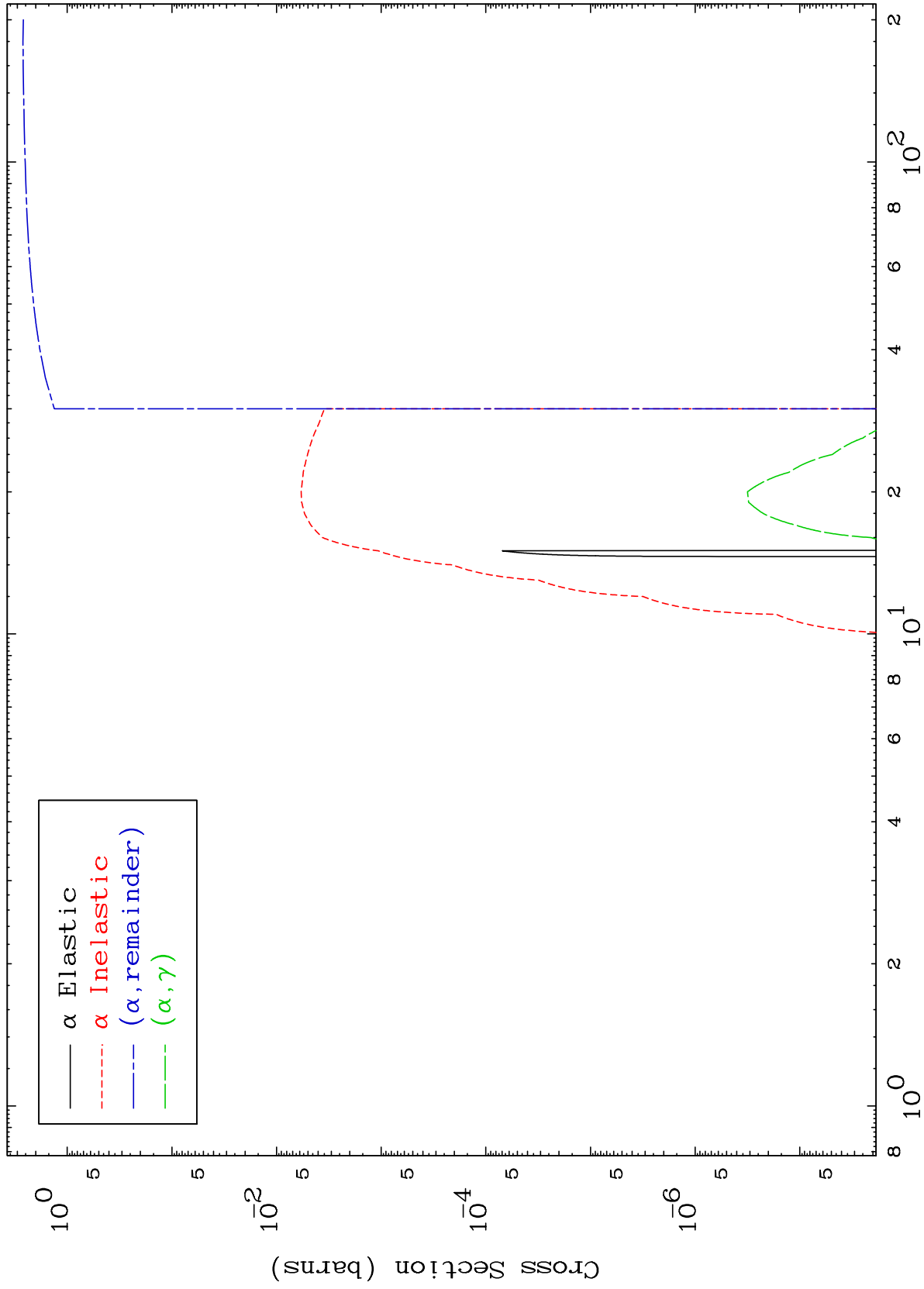
MAT 7058

0 Kelvin

$\alpha$  Major

$\alpha$  Major Cross Sections

70-Yb-179



1

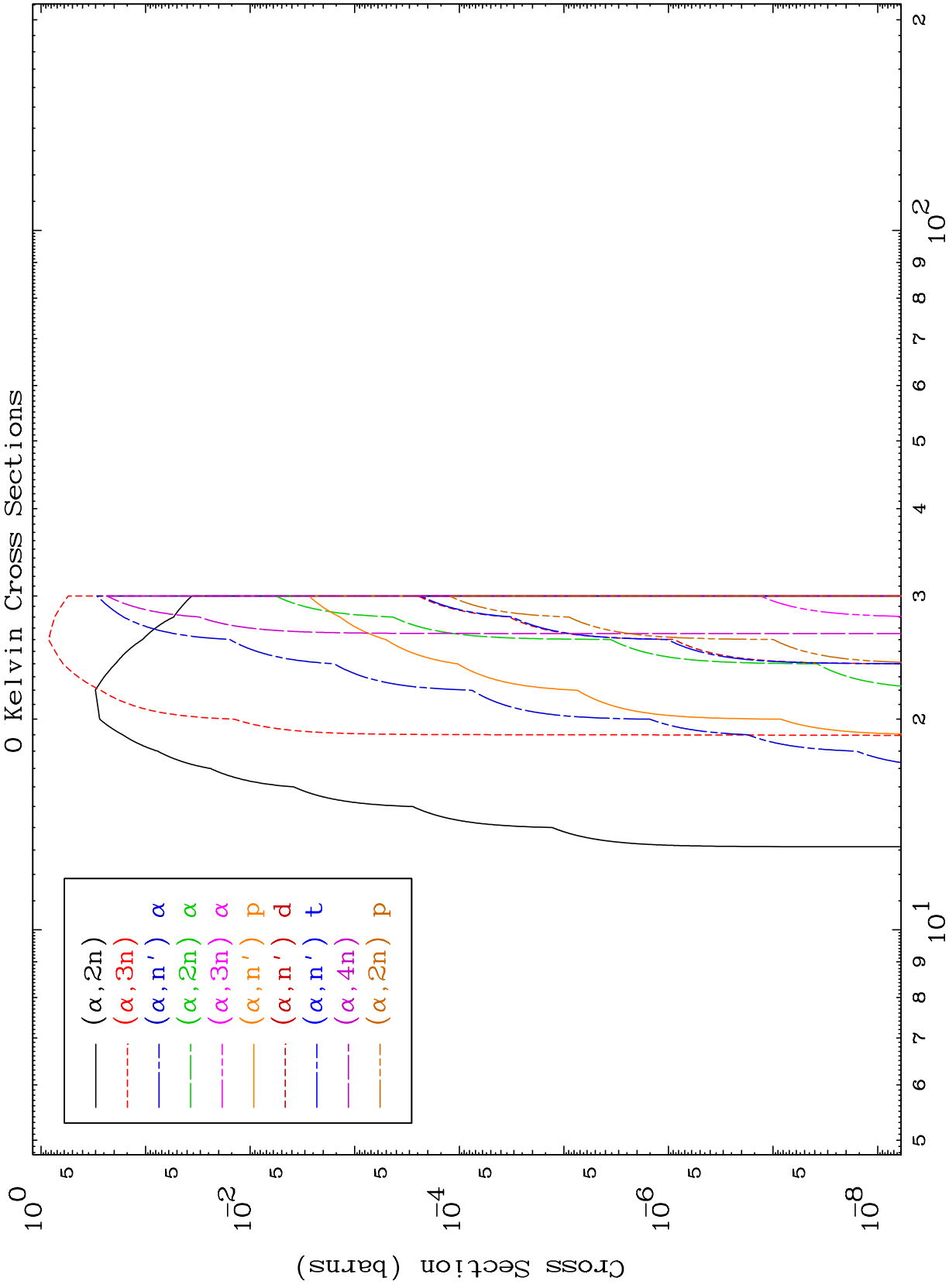
Incident Energy (MeV)

70-Yb-179

MAT 7058

$\alpha$  Neutron Production  
0 Kelvin Cross Sections

70-Yb-179



2

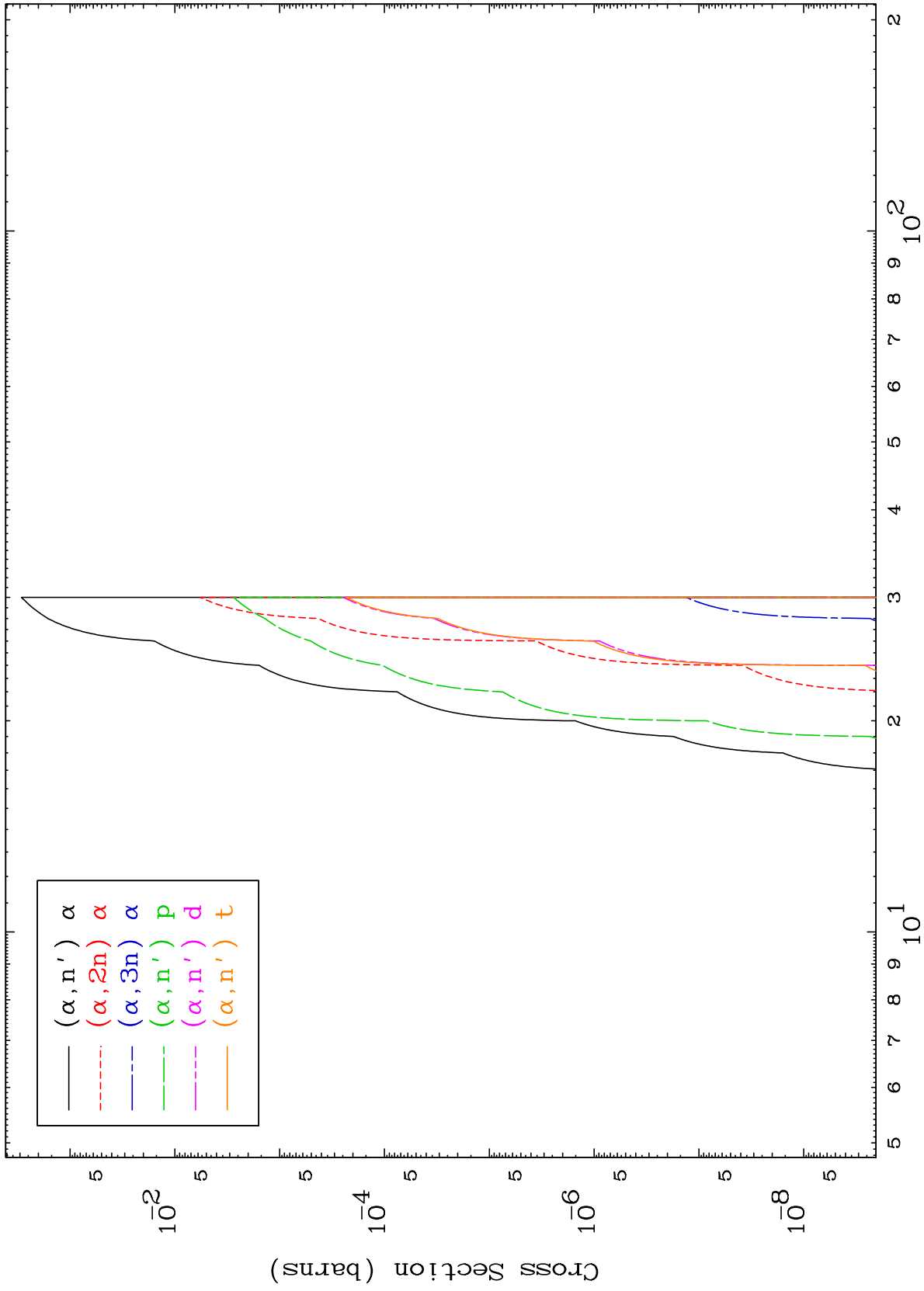
Incident Energy (MeV)

70-Yb-179

MAT 7058

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

70-Yb-179



3

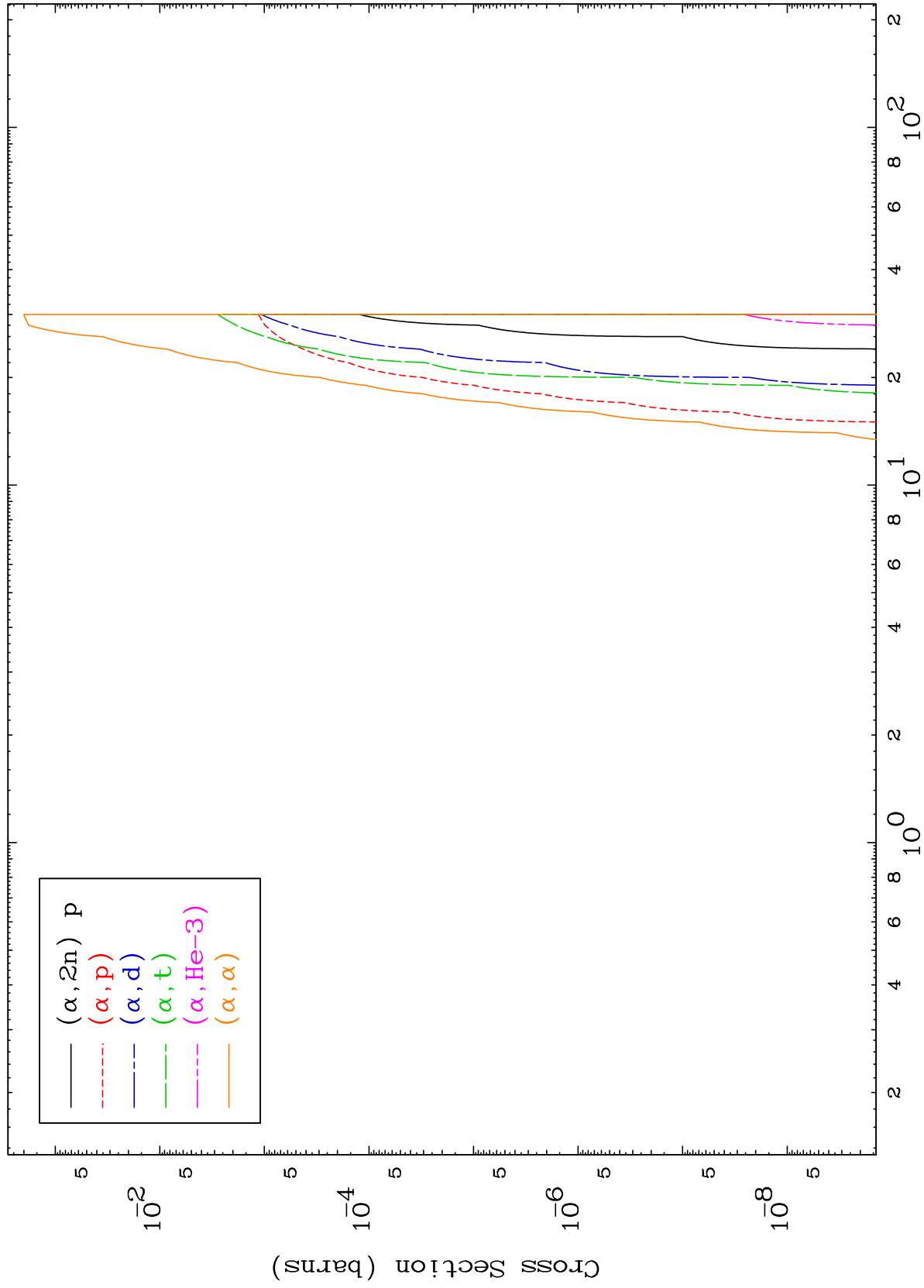
Incident Energy (MeV)

70-Yb-179

MAT 7058

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

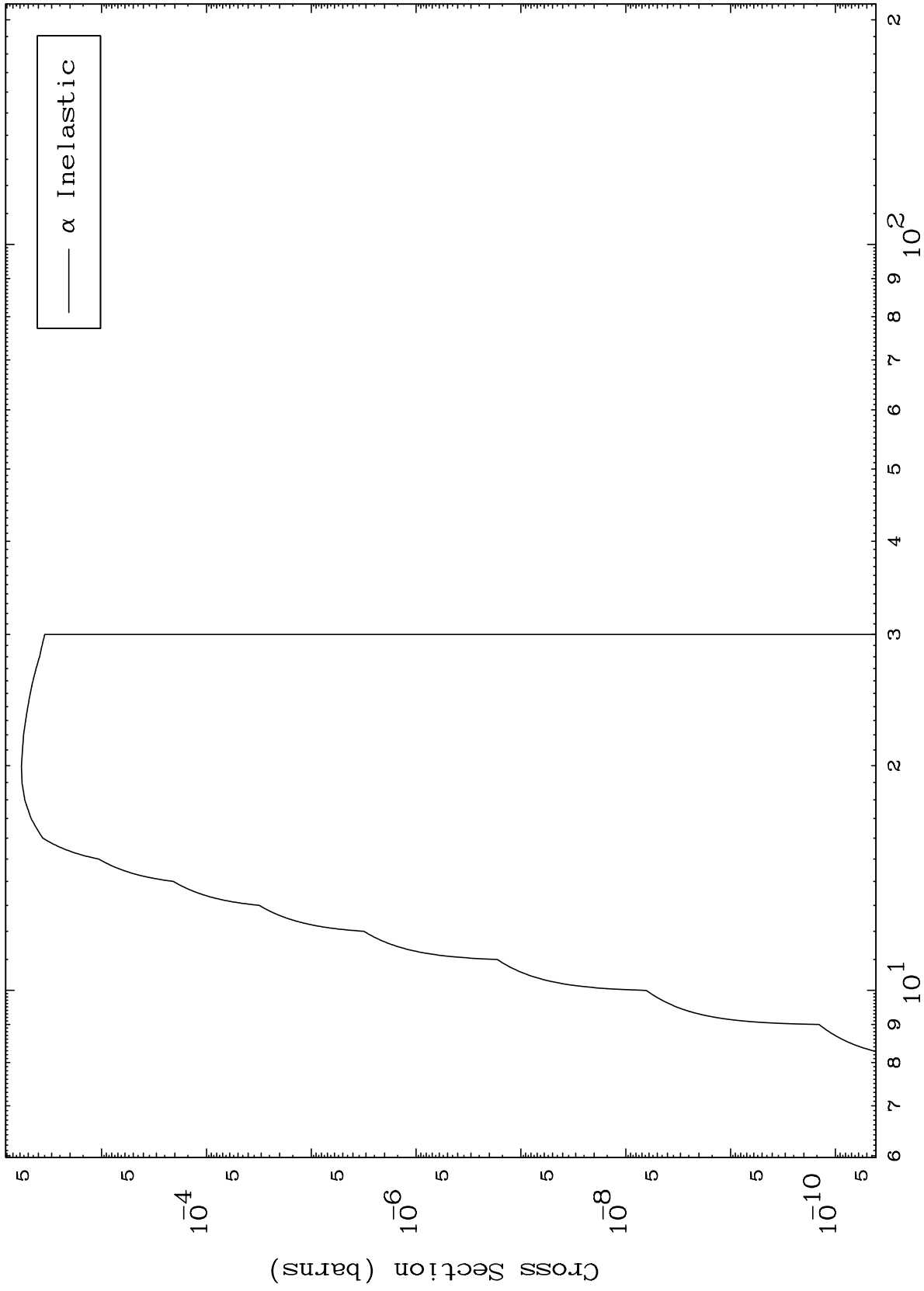
70-Yb-179



MAT 7058

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

70-Yb-179



5

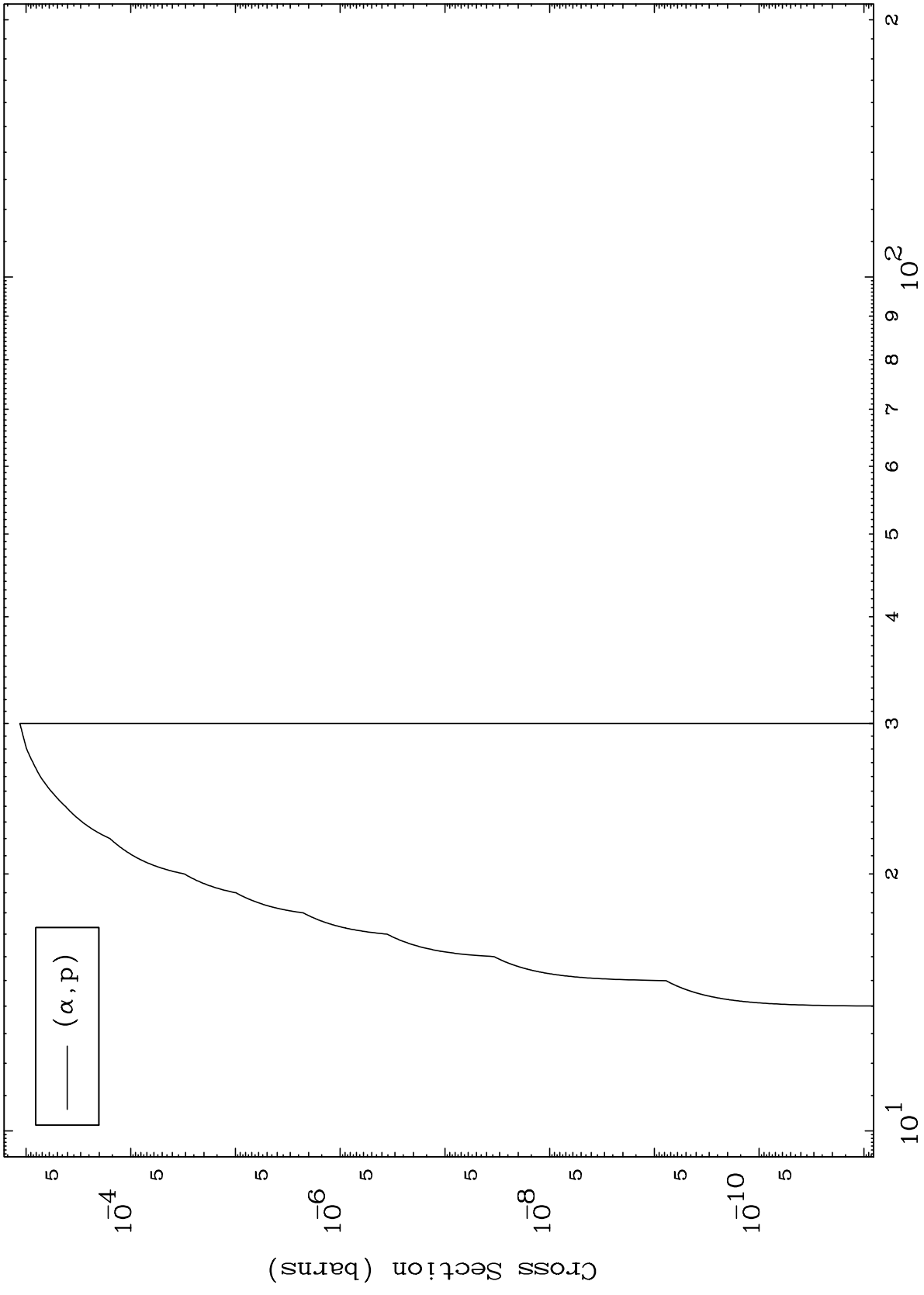
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

70-Yb-179



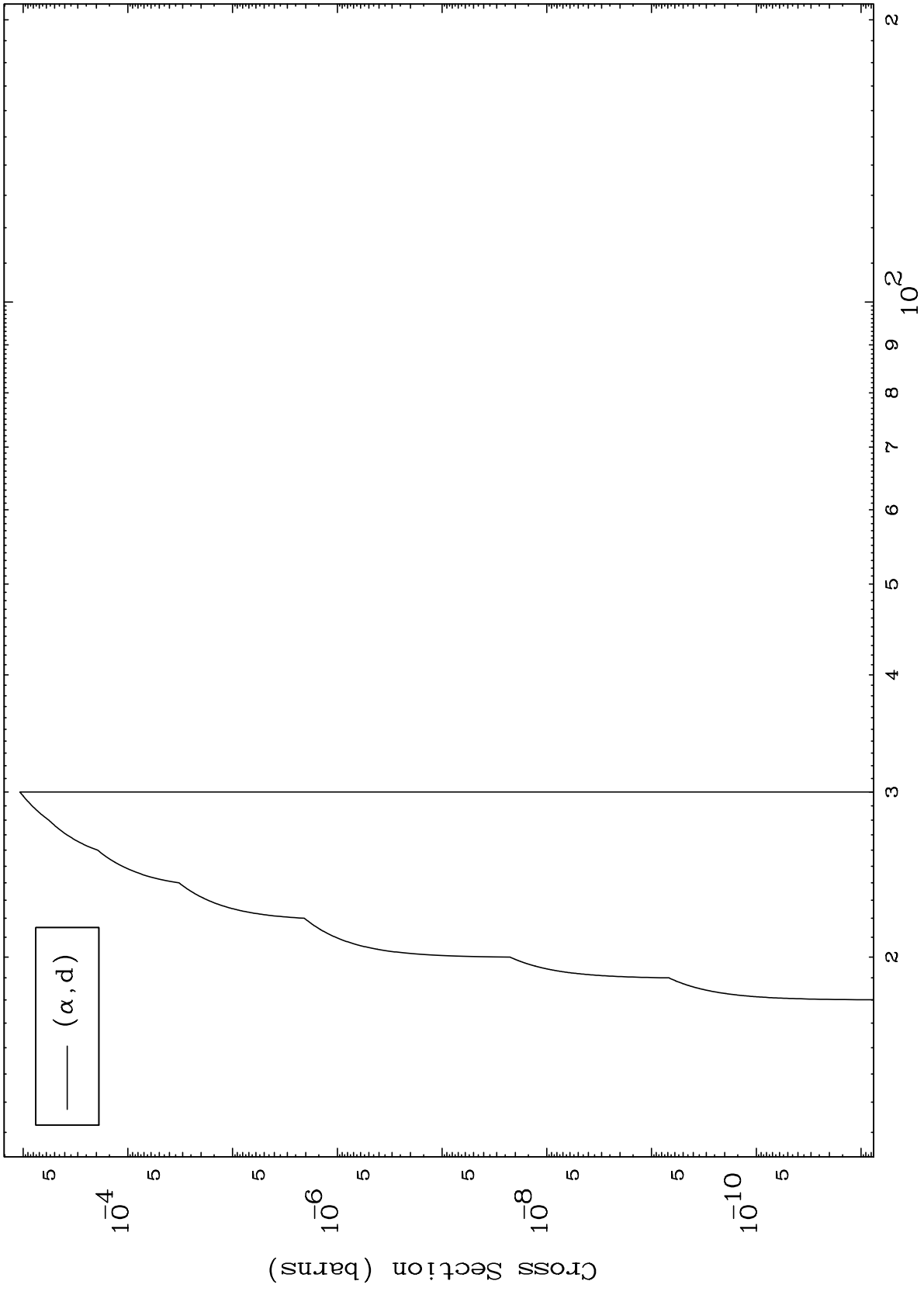
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

70-Yb-179



7

Incident Energy (MeV)

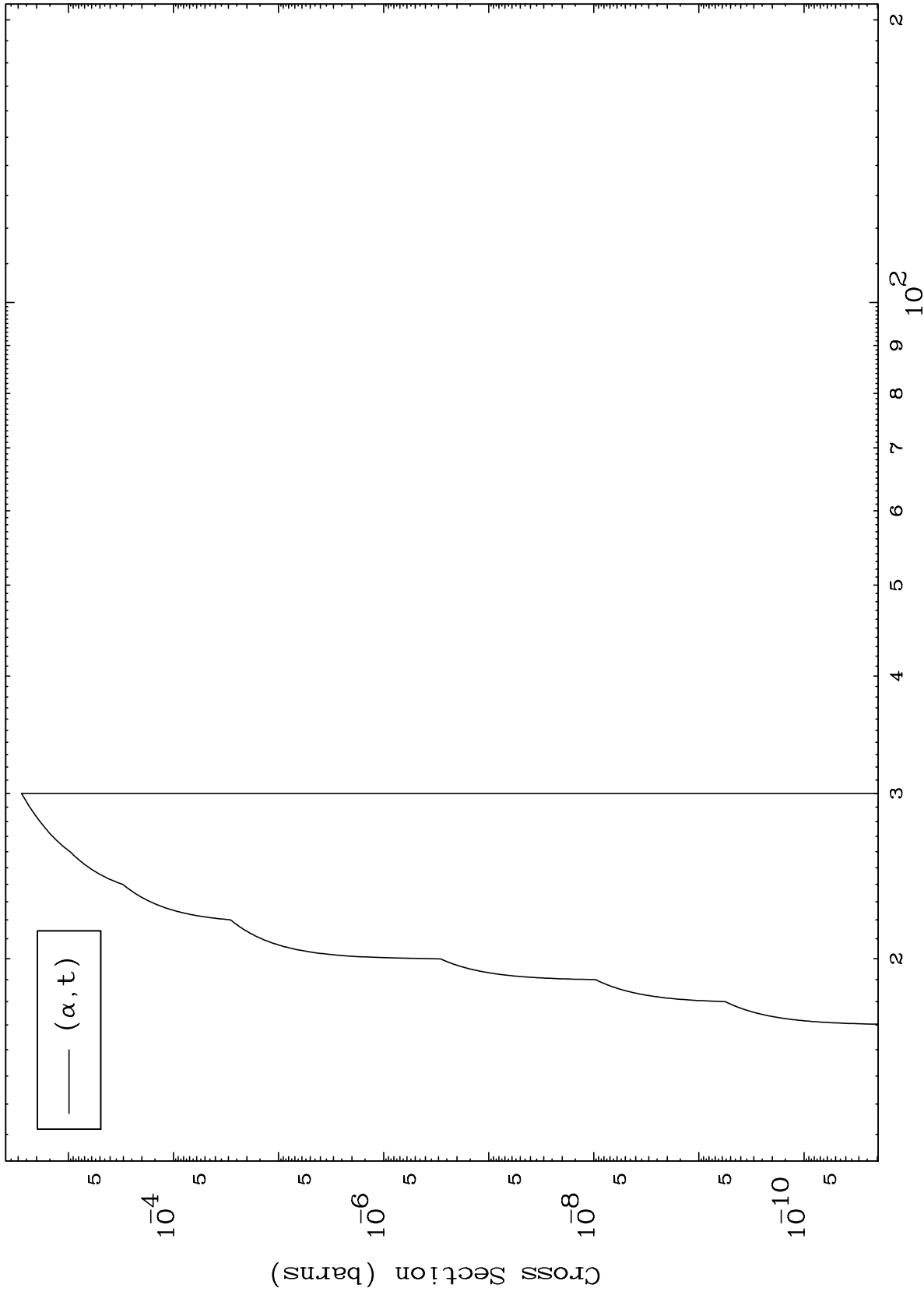
70-Yb-179

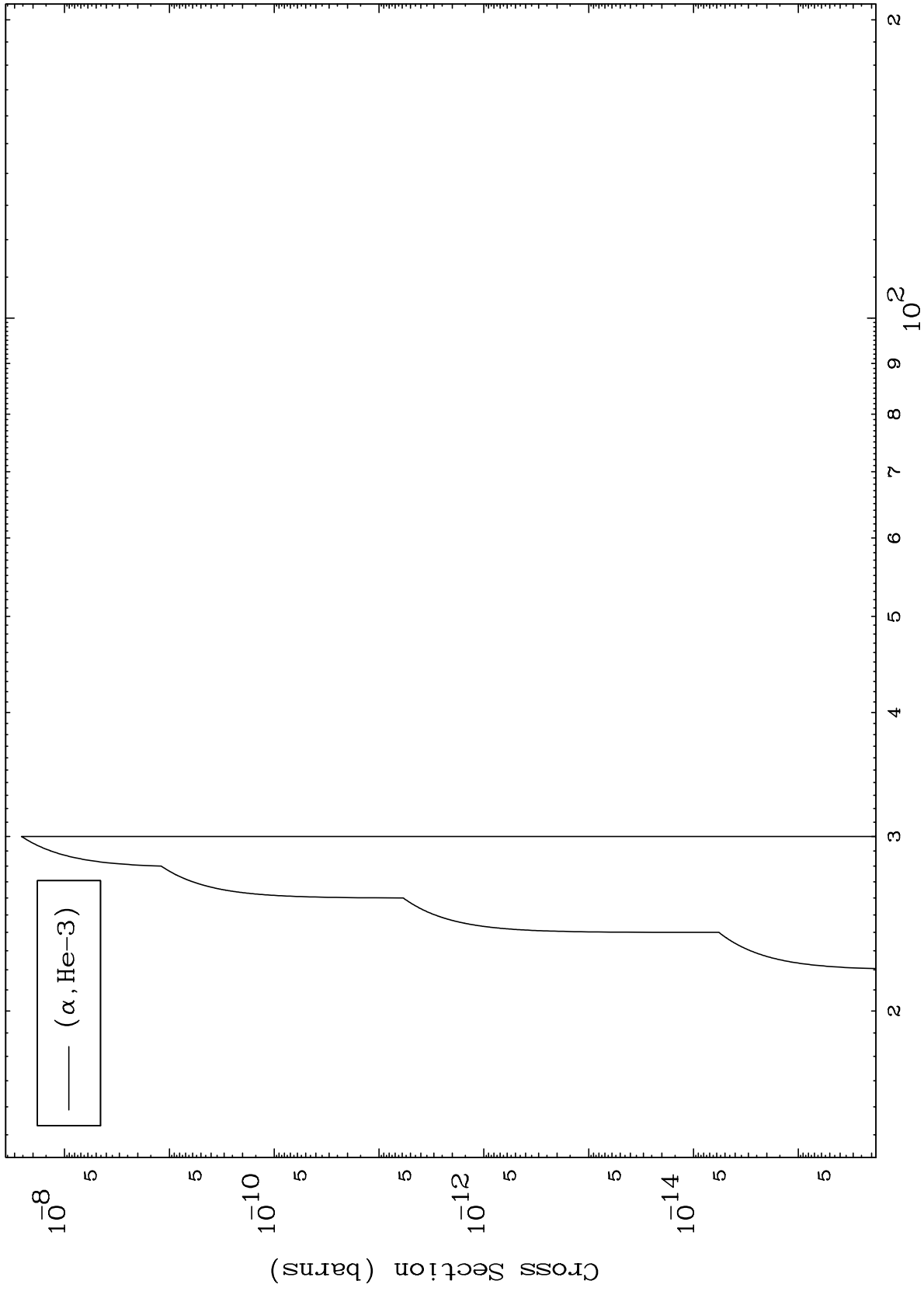


MAT 7058

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

70-Yb-179

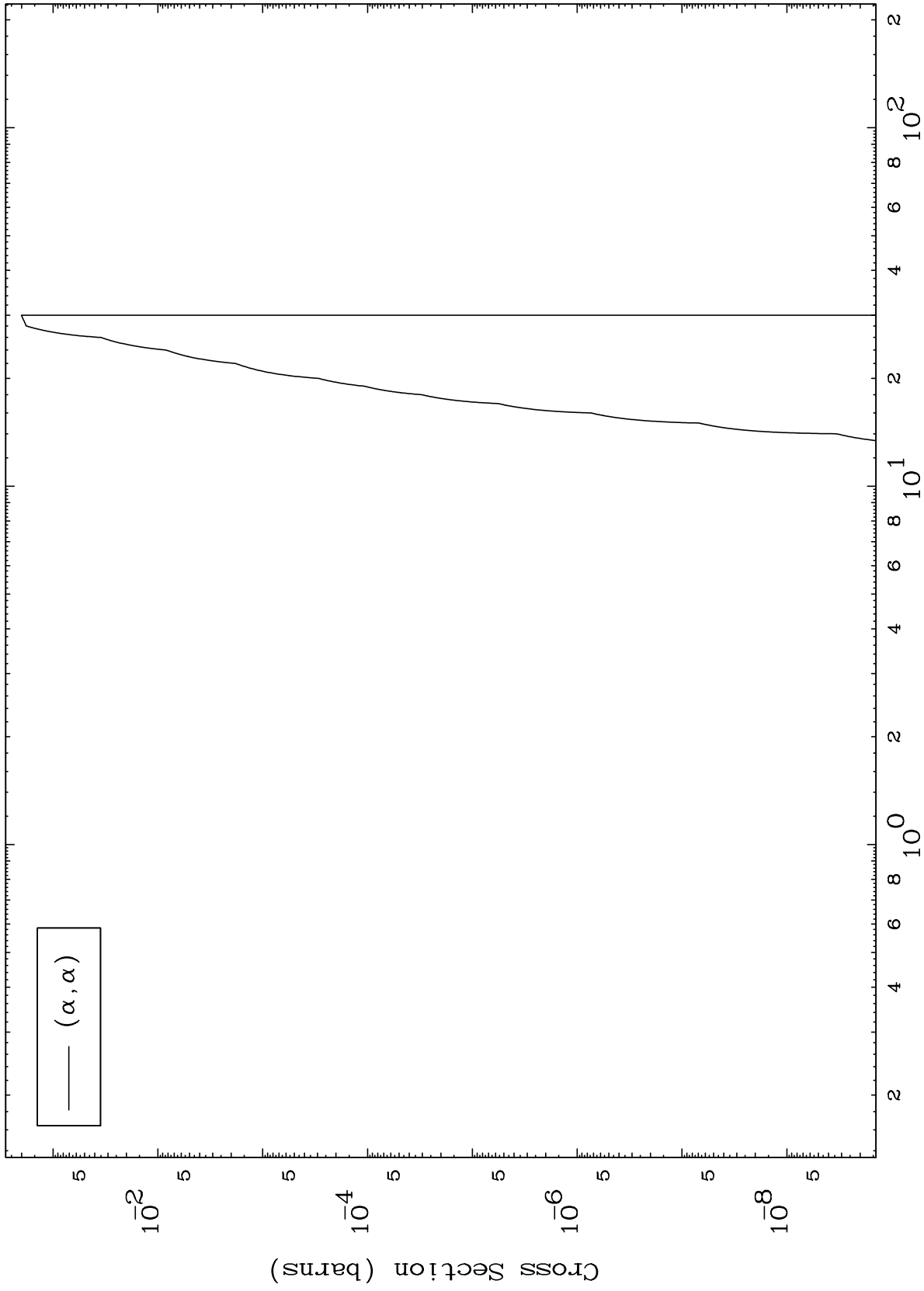




MAT 7058

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

70-Yb-179



10

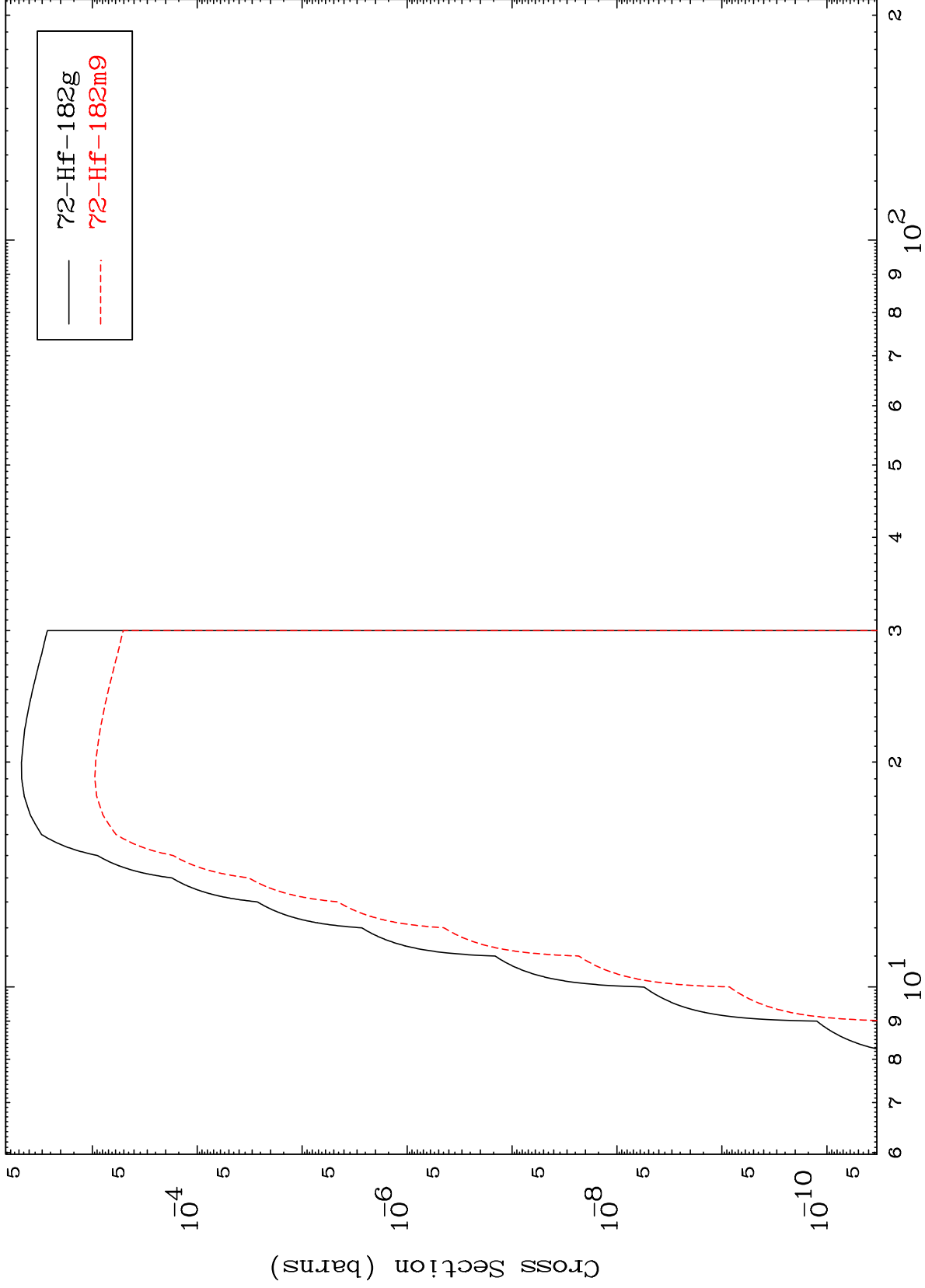
Incident Energy (MeV)

70-Yb-179

MAT 7058

$\alpha$  Inelastic  
Radionuclide Production Cross Section

70-Yb-179



11

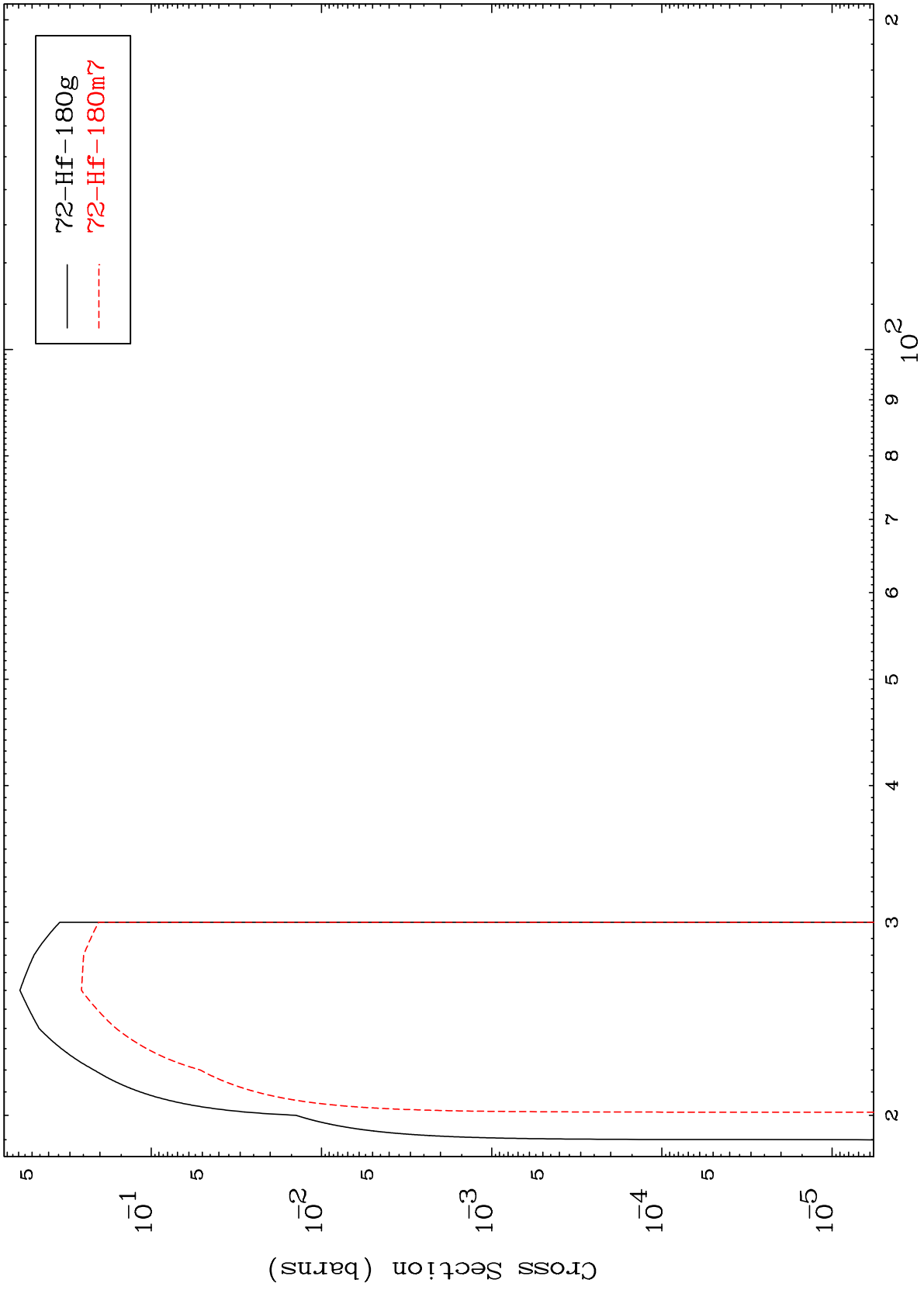
Incident Energy (MeV)

70-Yb-179

MAT 7058

70-Yb-179

( $\alpha, 3n$ )  
Radionuclide Production Cross Section



12

Incident Energy (MeV)

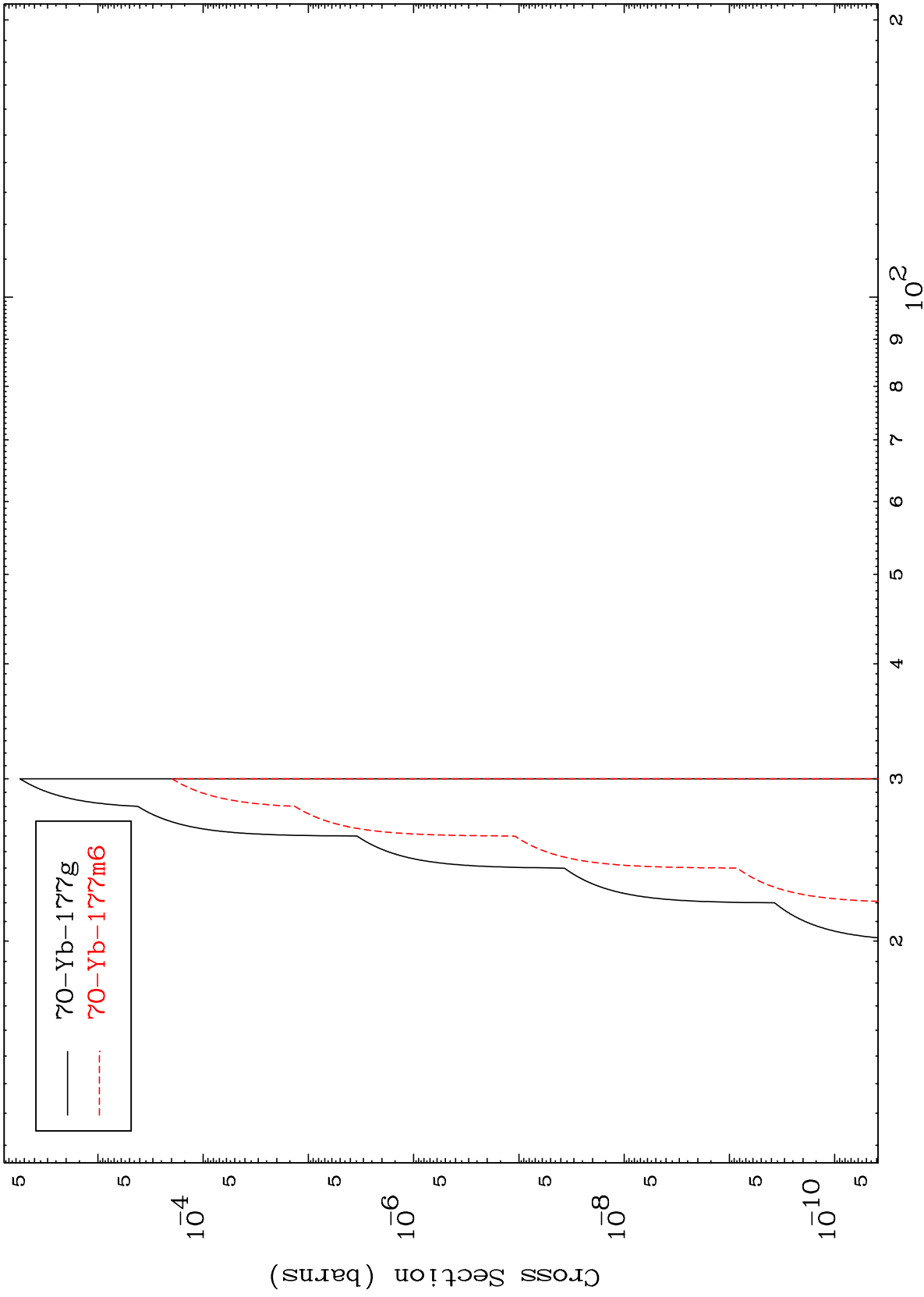
70-Yb-179

MAT 7058

$(\alpha, 2n) \alpha$

$^{70}\text{Yb-179}$

Radionuclide Production Cross Section



13

Incident Energy (MeV)

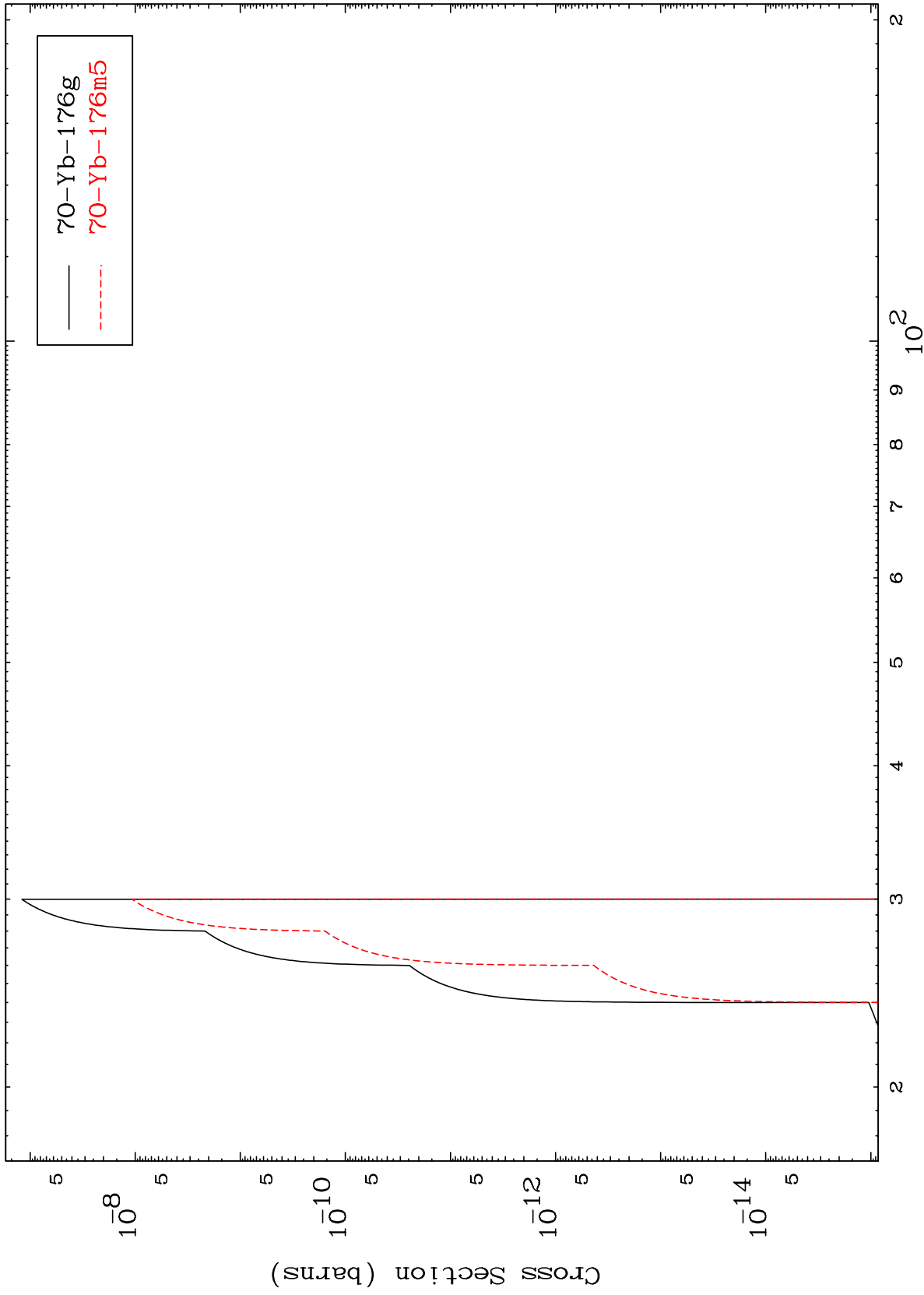
$^{70}\text{Yb-179}$

MAT 7058

$(\alpha, 3n) \alpha$

$^{70}\text{Yb-179}$

Radionuclide Production Cross Section



14

Incident Energy (MeV)

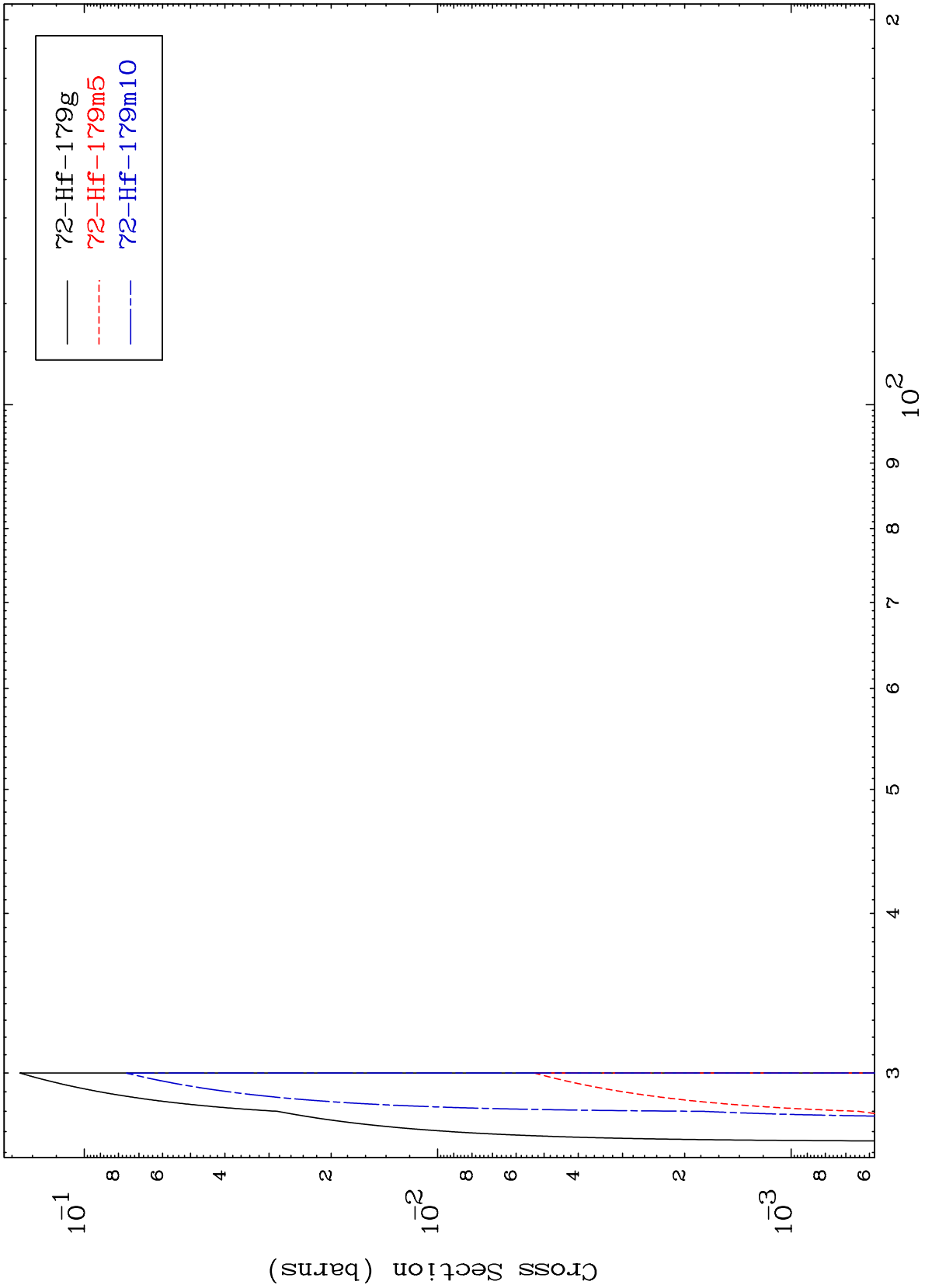
$^{70}\text{Yb-179}$

MAT 7058

( $\alpha, 4n$ )

70-Yb-179

Radionuclide Production Cross Section



15

Incident Energy (MeV)

70-Yb-179