

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

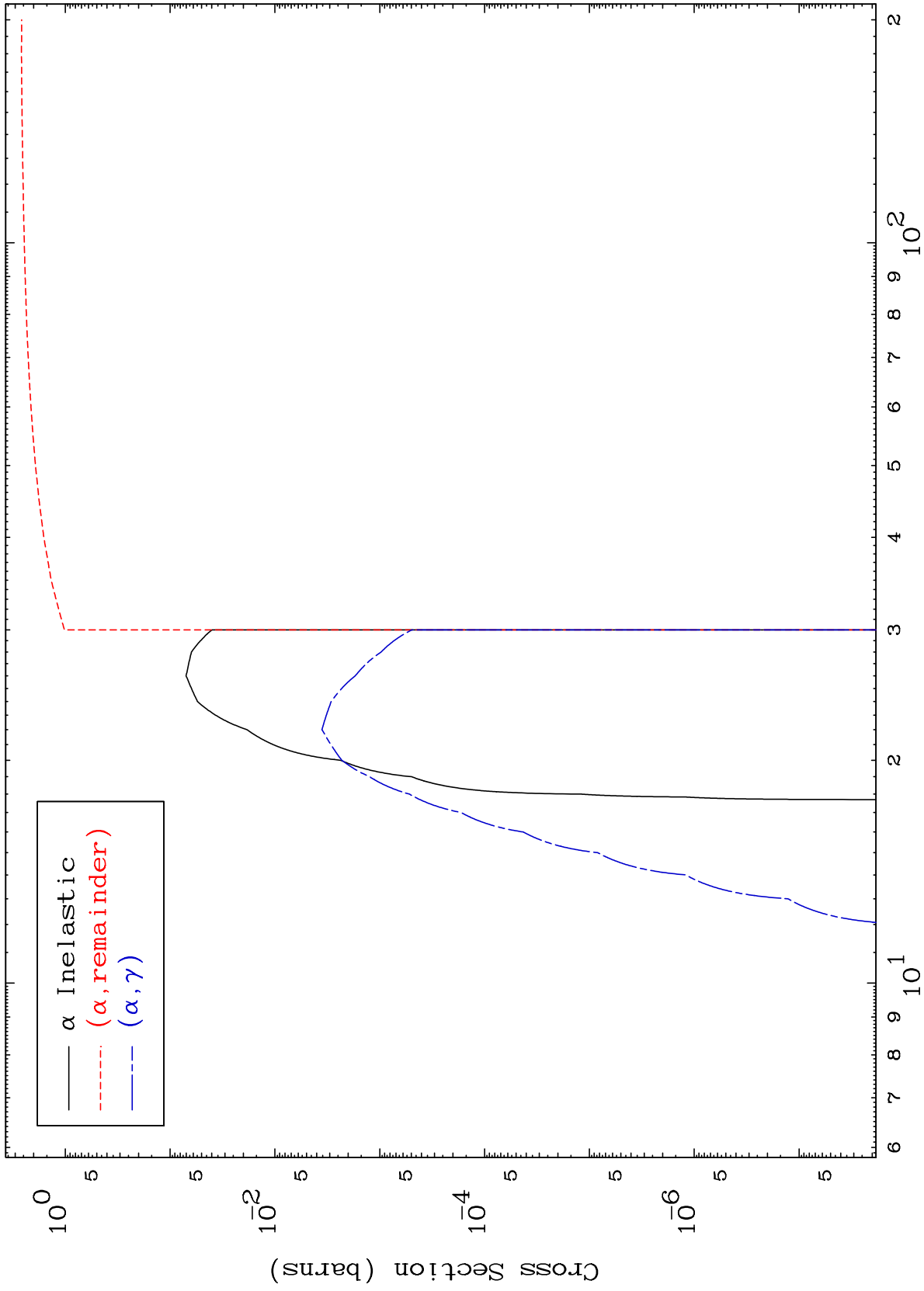
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7871

0 Kelvin  $\alpha$  Major  
Cross Sections

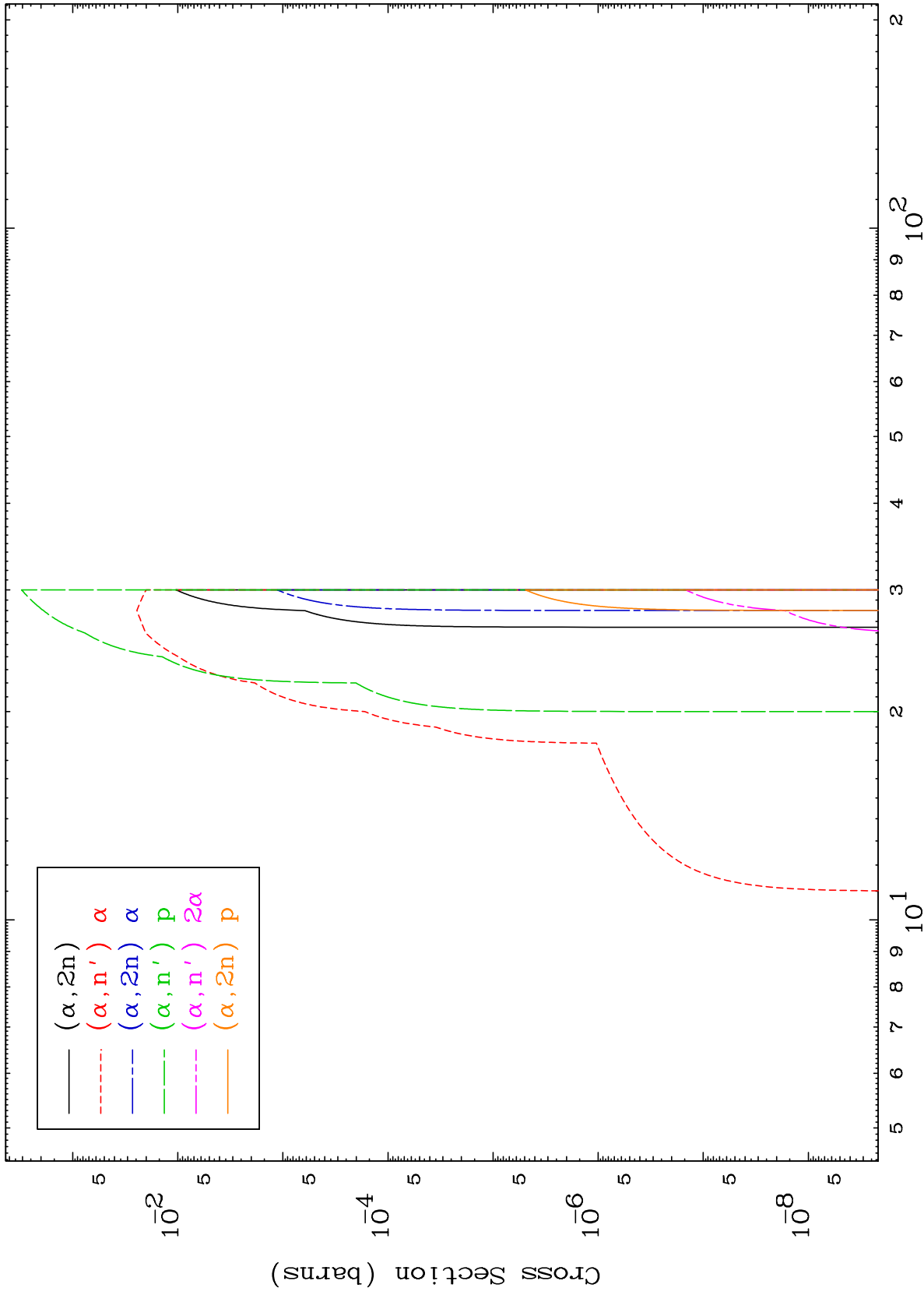
79-Au-179

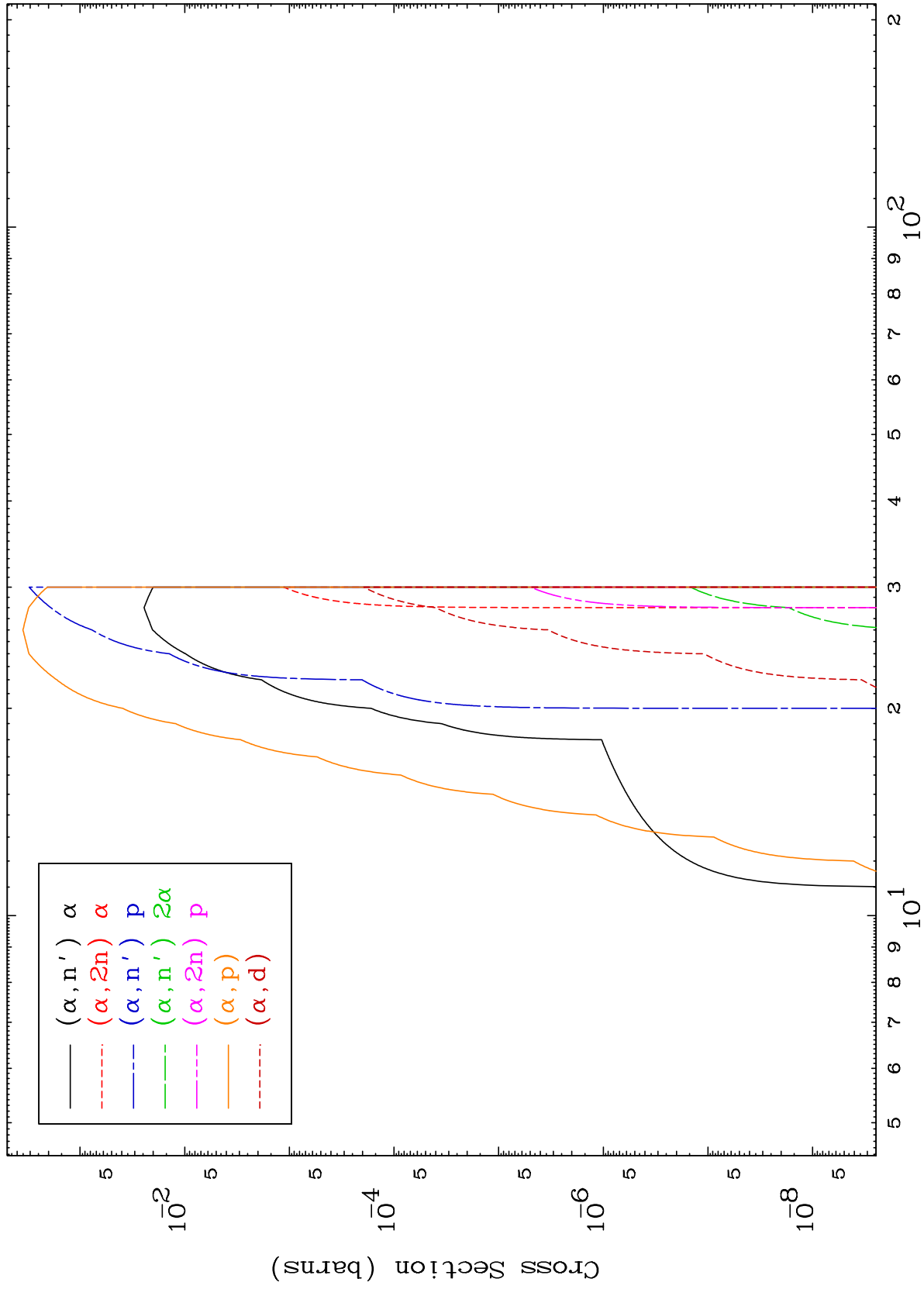


1

Incident Energy (MeV)

79-Au-179

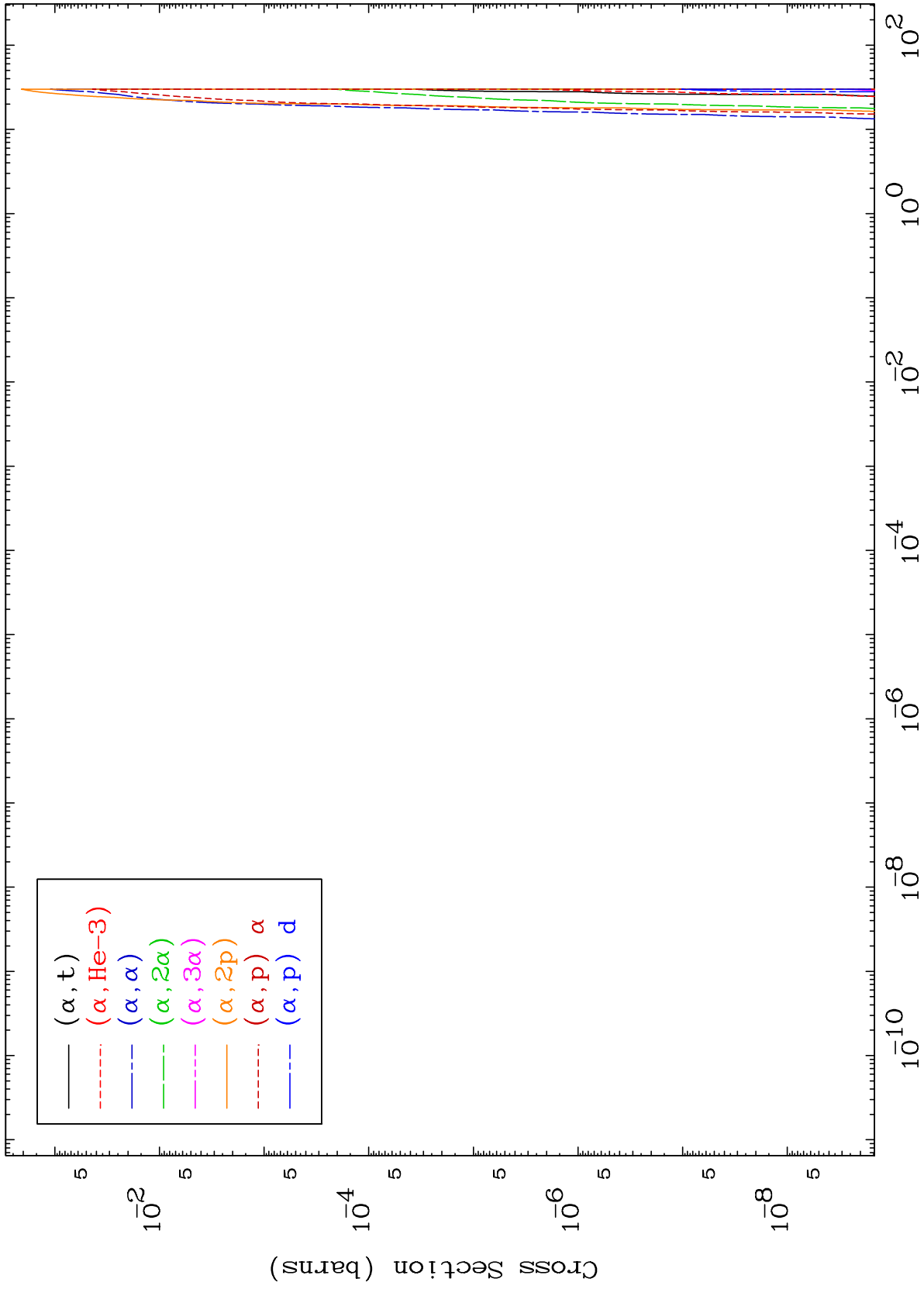




MAT 7871

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

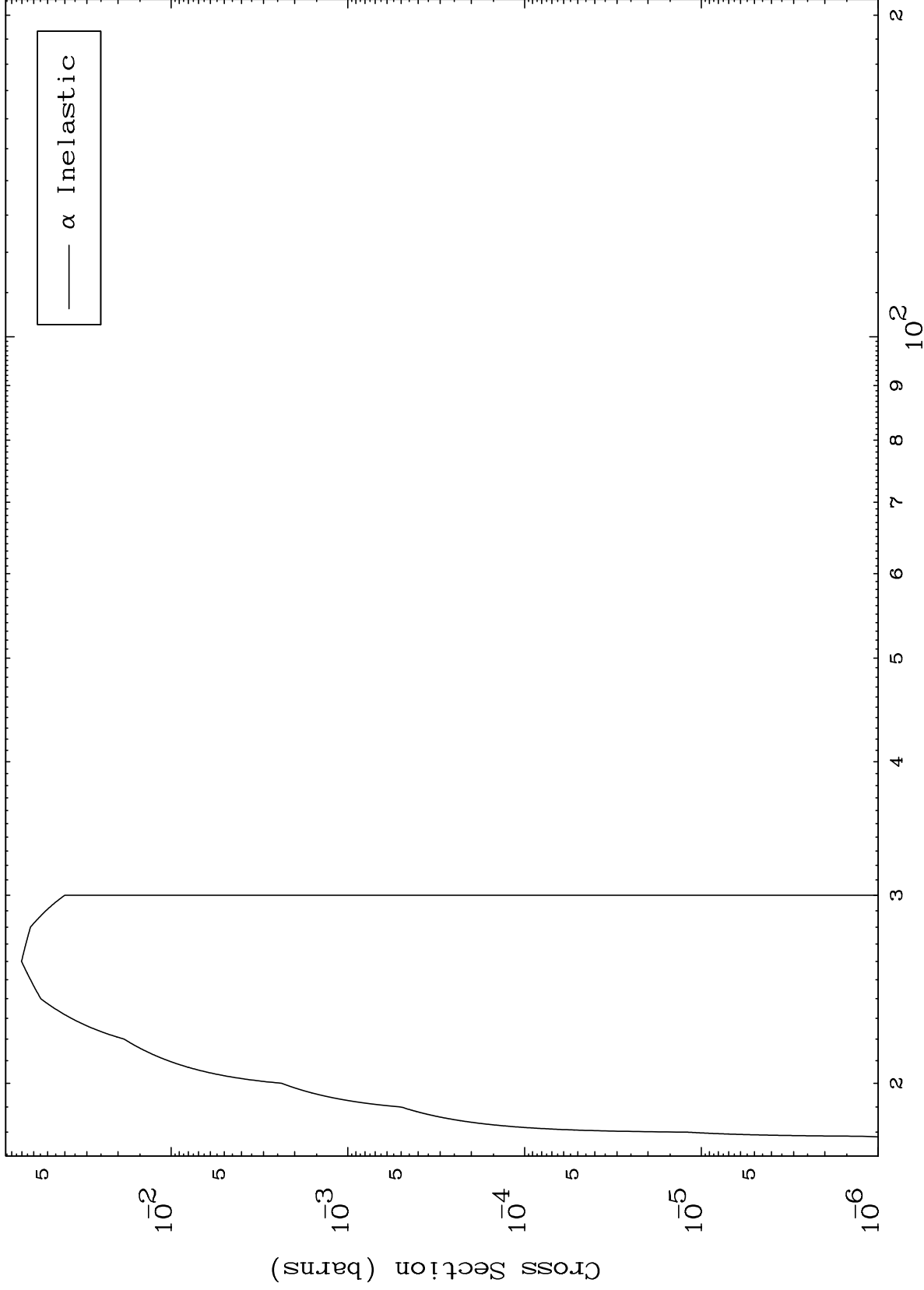
79-Au-179



MAT 7871

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

79-Au-179



5

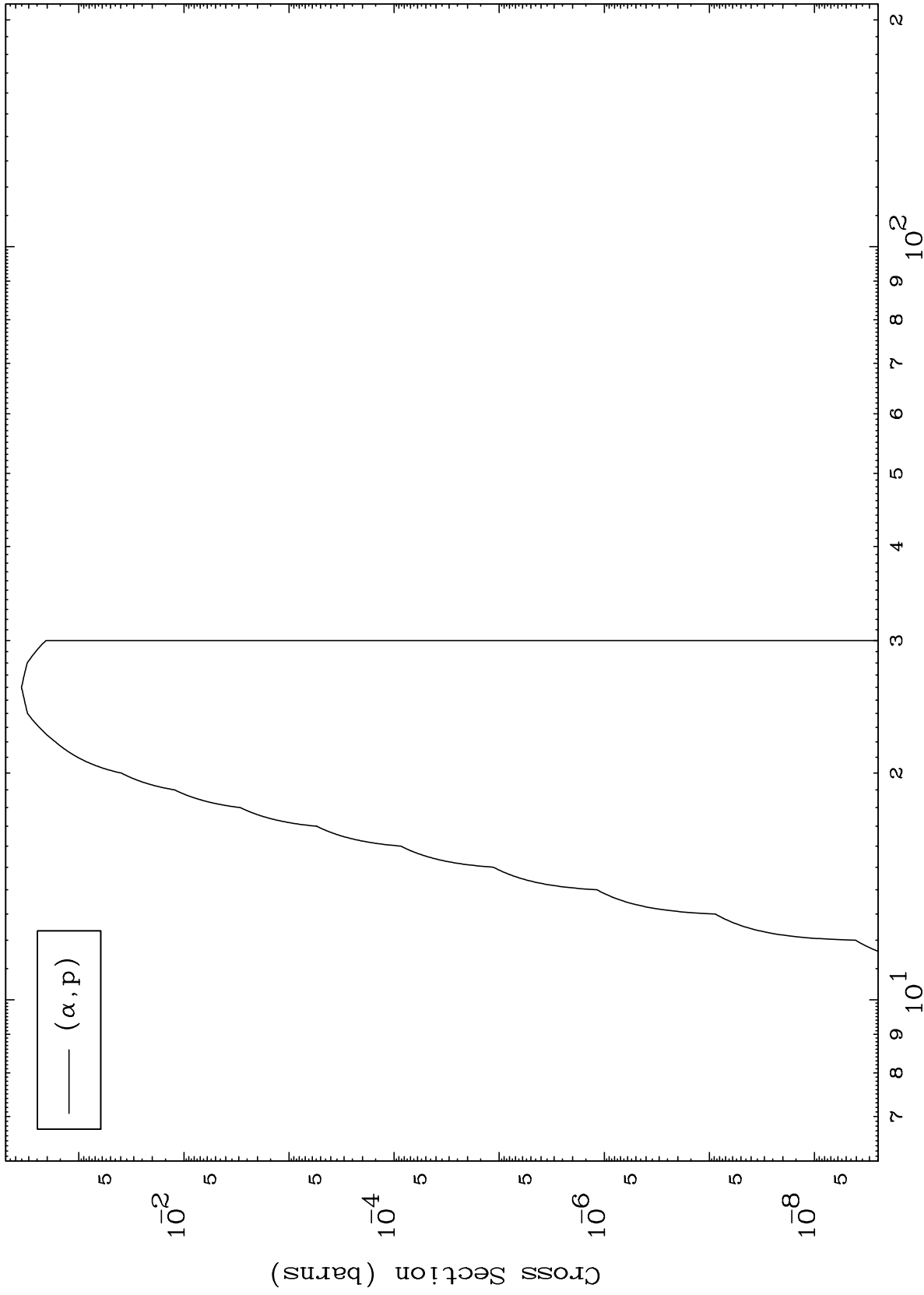
Incident Energy (MeV)

79-Au-179

MAT 7871

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

<sup>79</sup>Au-179



6

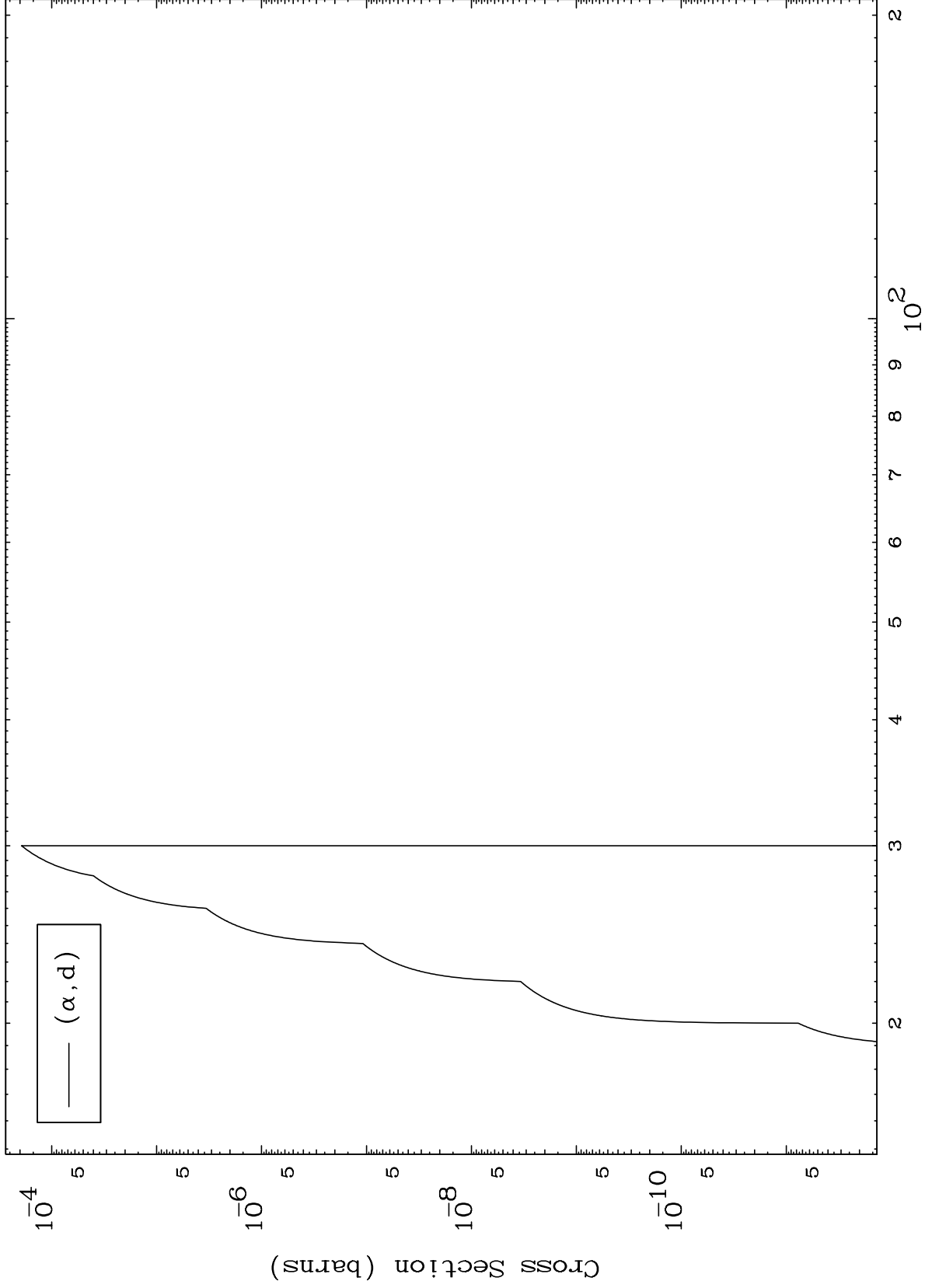
Incident Energy (MeV)

<sup>79</sup>Au-179

MAT 7871

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

<sup>79</sup>Au-179



7

Incident Energy (MeV)

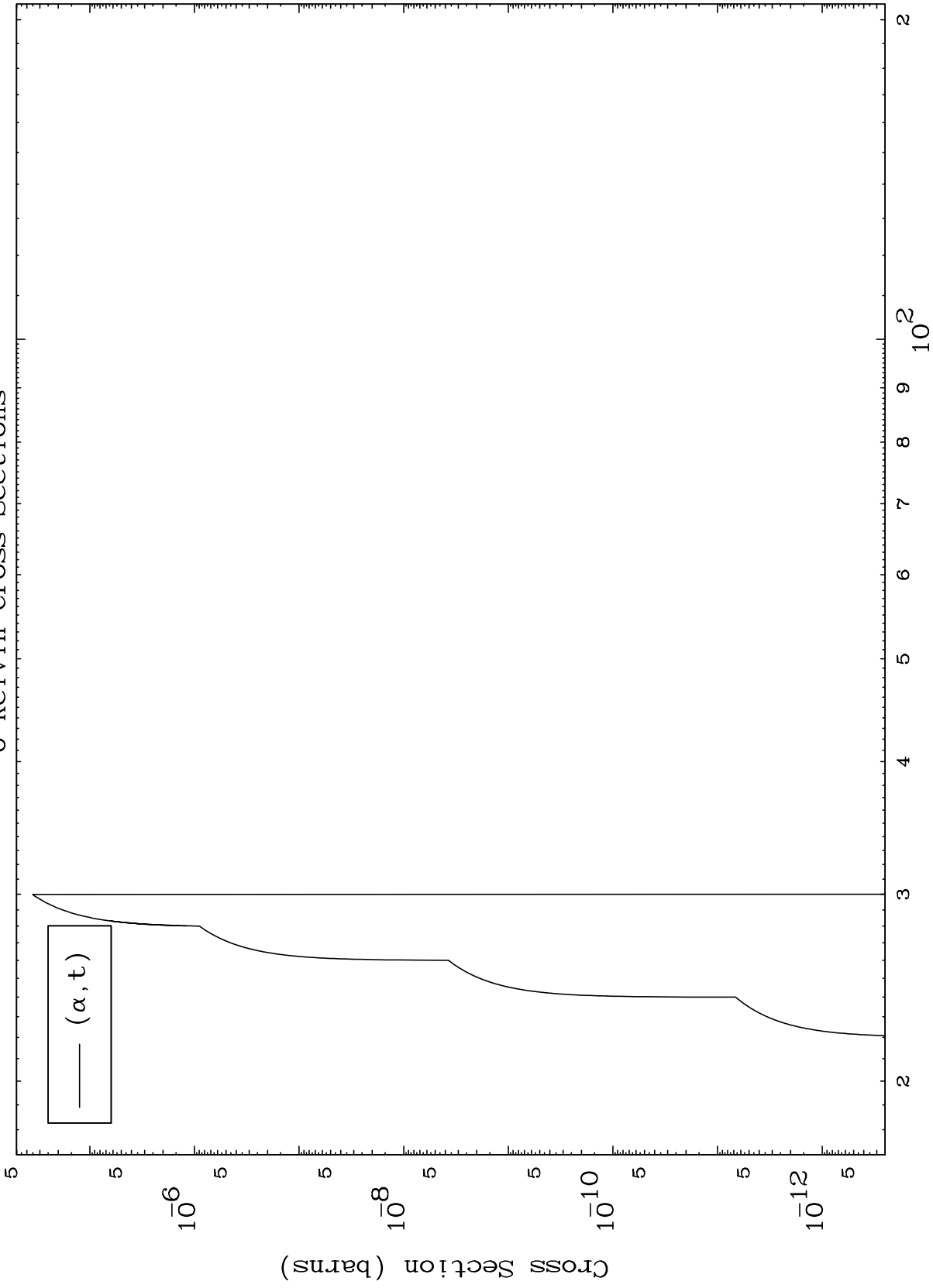
<sup>79</sup>Au-179



MAT 7871

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

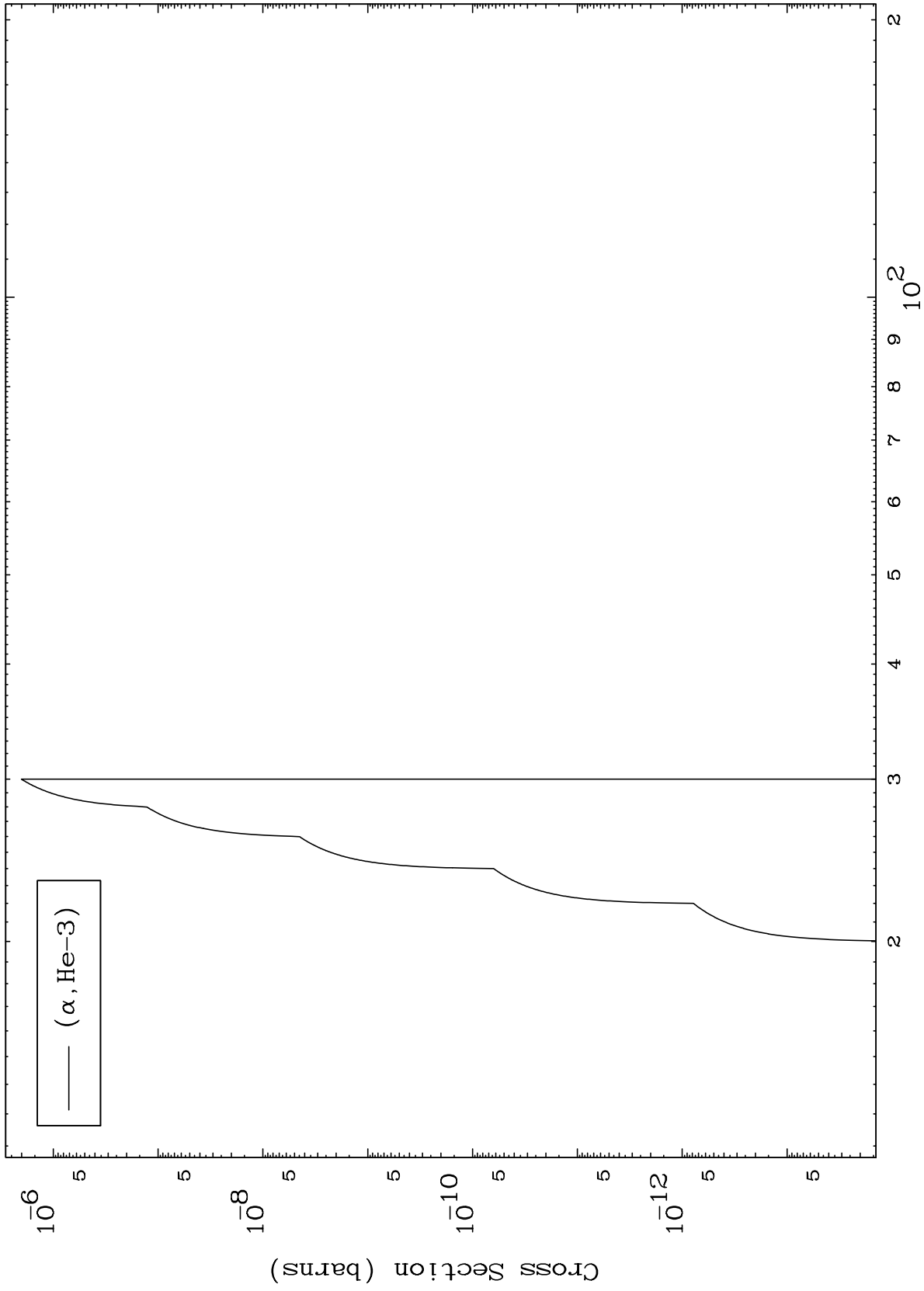
79-Au-179



8

Incident Energy (MeV)

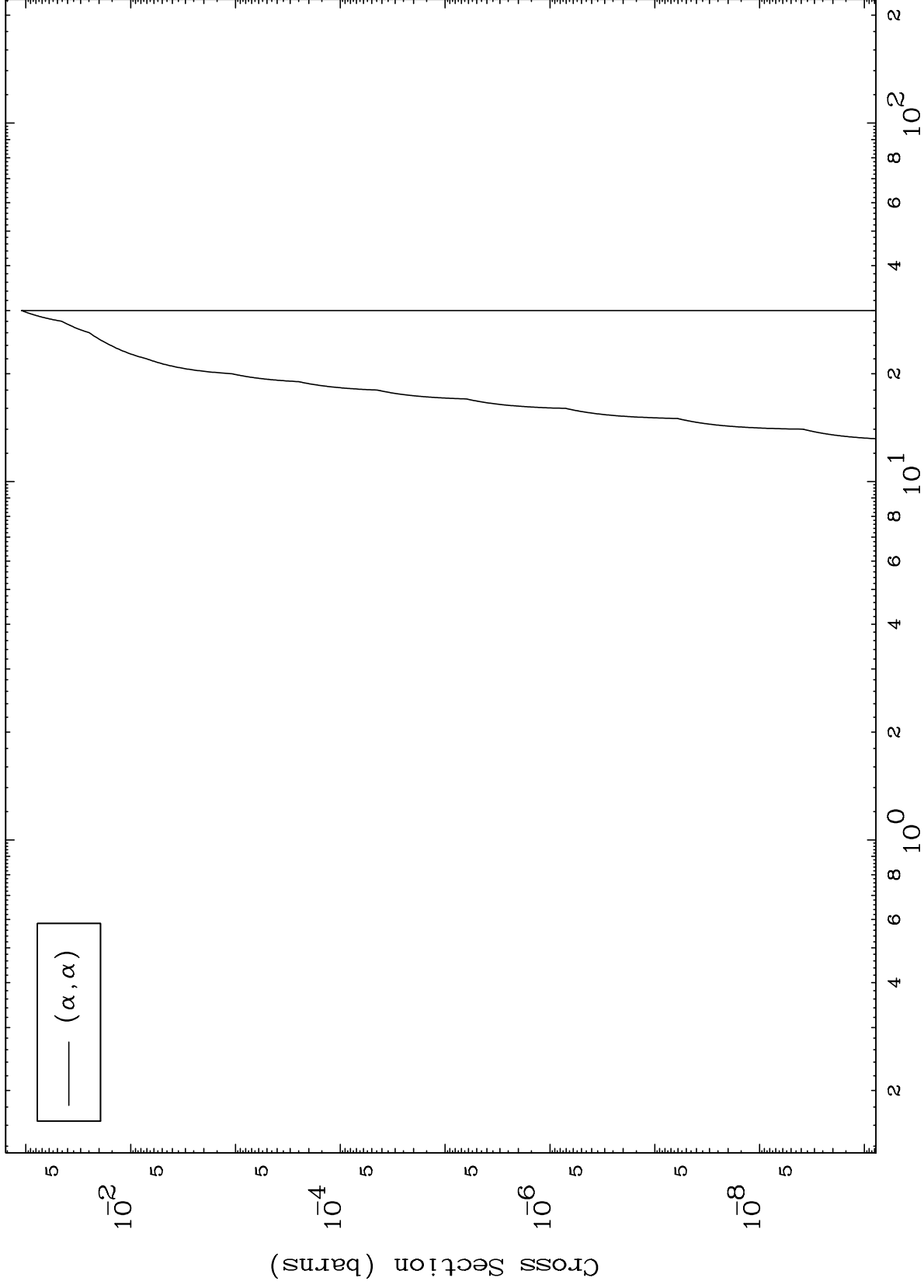
79-Au-179



MAT 7871

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

79-Au-179



10

Incident Energy (MeV)

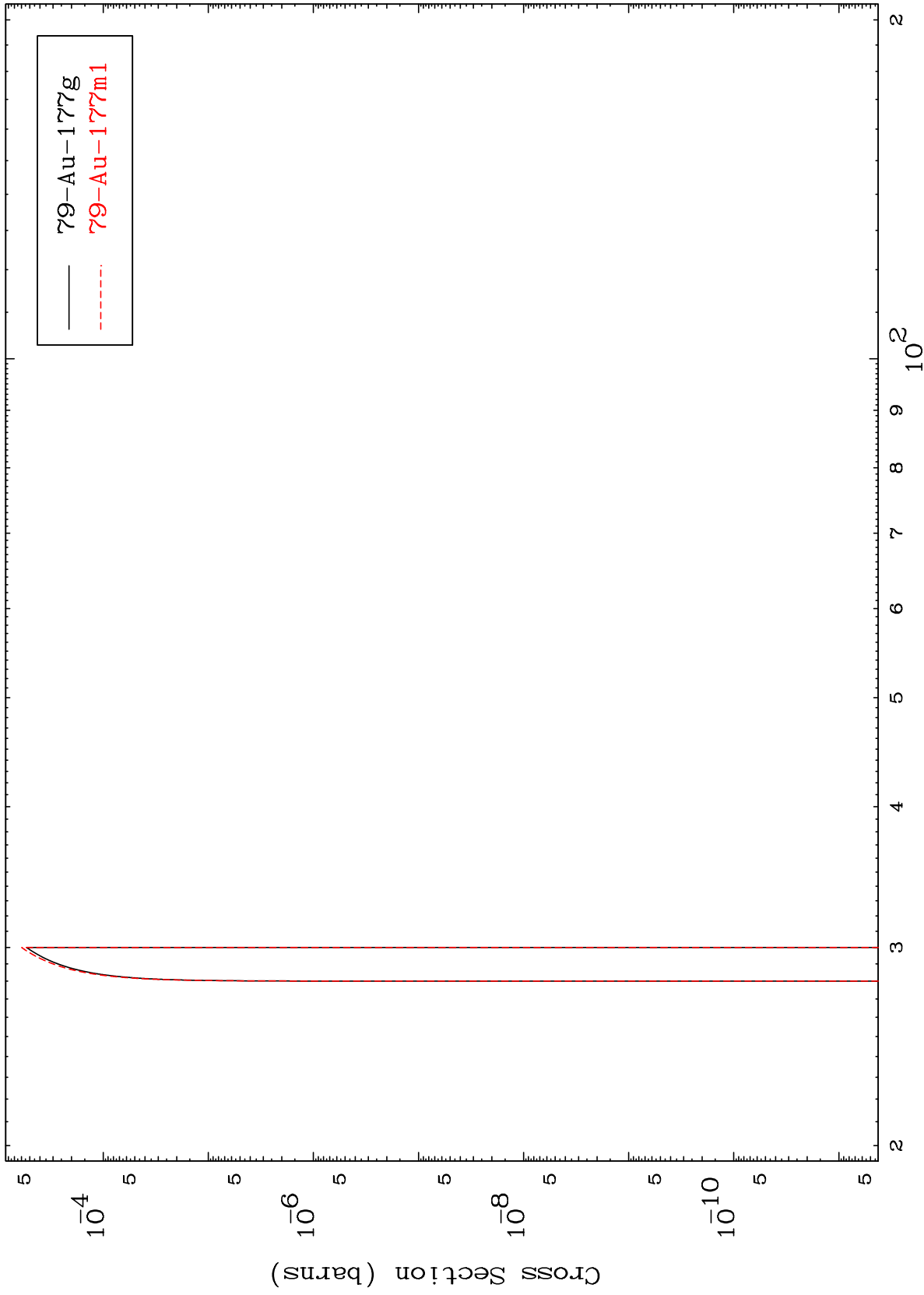
79-Au-179

MAT 7871

$(\alpha, 2n) \alpha$

$^{79}\text{Au-179}$

Radionuclide Production Cross Section



11

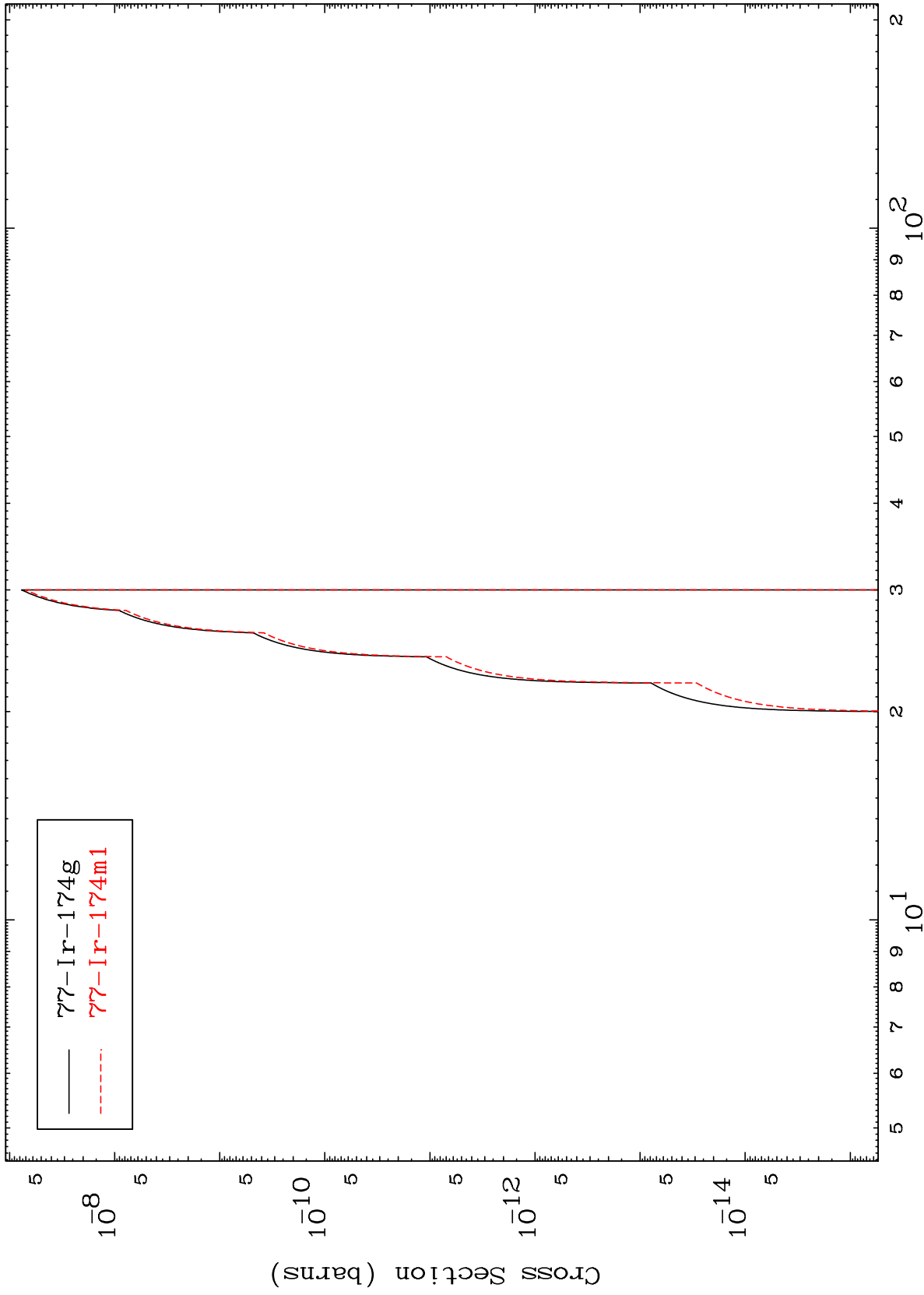
Incident Energy (MeV)

$^{79}\text{Au-179}$

MAT 7871

<sup>79</sup>Au-179

( $\alpha, n'$ )  $2\alpha$   
Radionuclide Production Cross Section



12

Incident Energy (MeV)

<sup>79</sup>Au-179