

Program EVALPLOT  
(Version 2018-1)

by

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(Present Contact Information)

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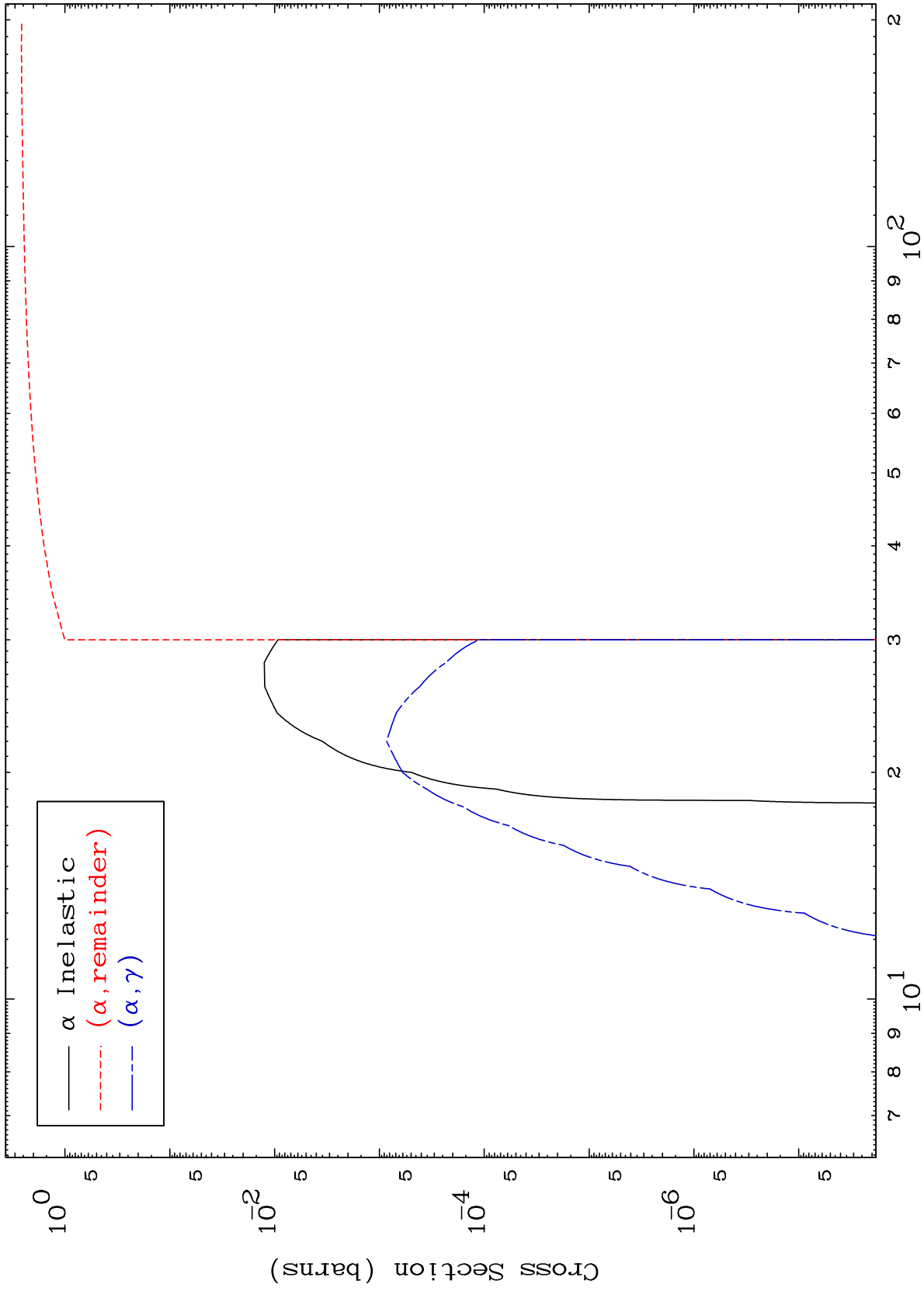
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7865

0 Kelvin  $\alpha$  Major  
Cross Sections

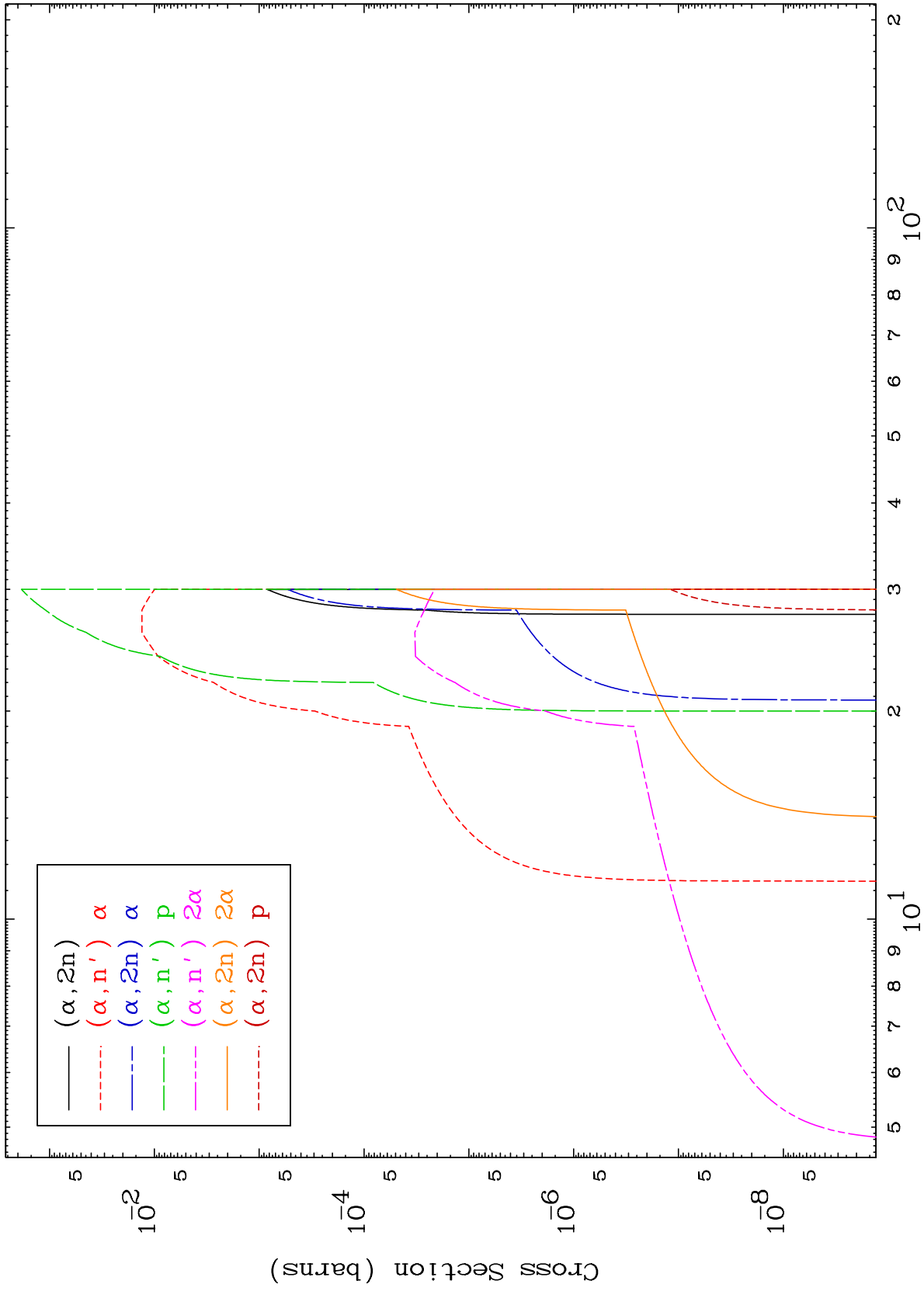
79-Au-177

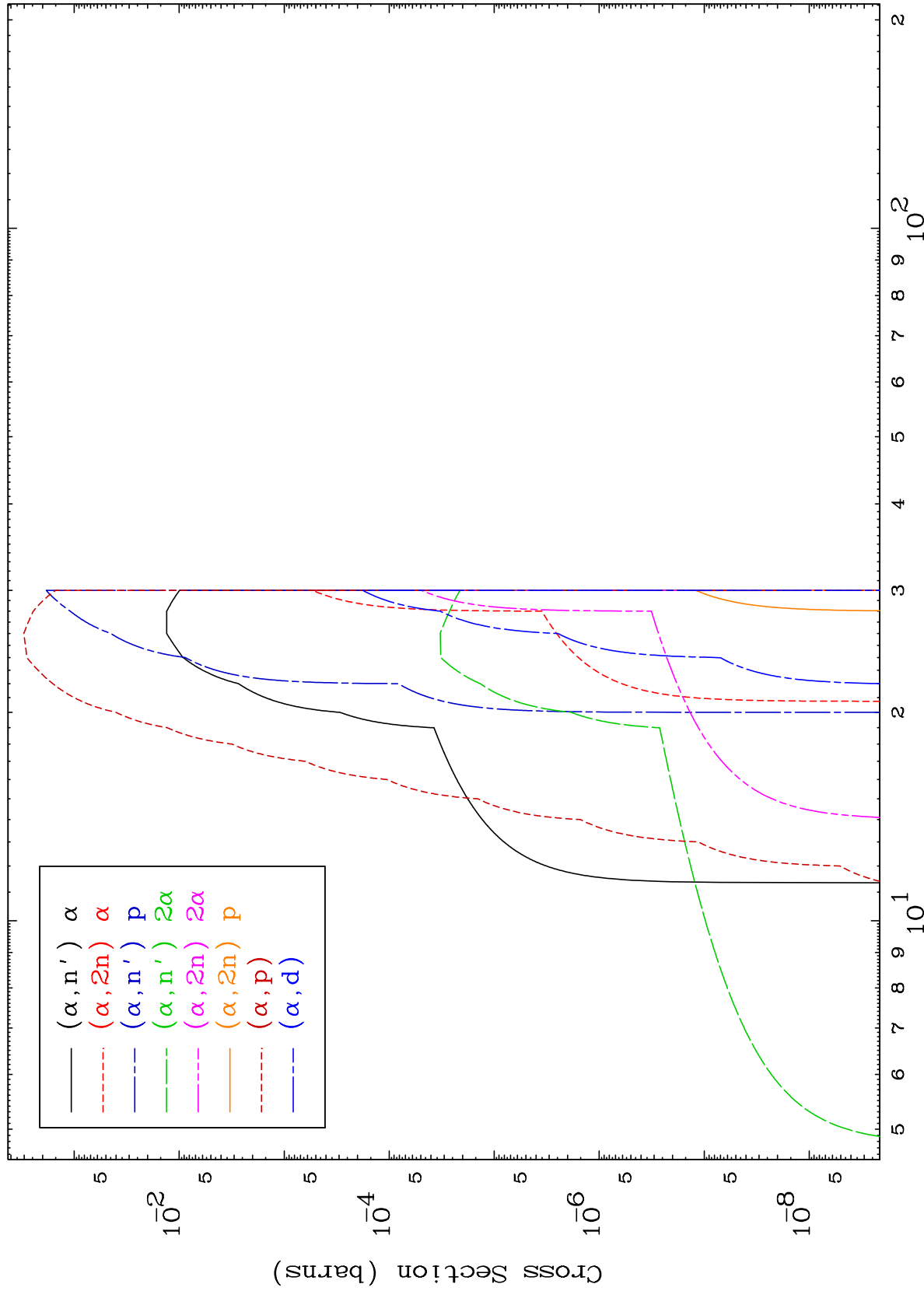


1

Incident Energy (MeV)

79-Au-177

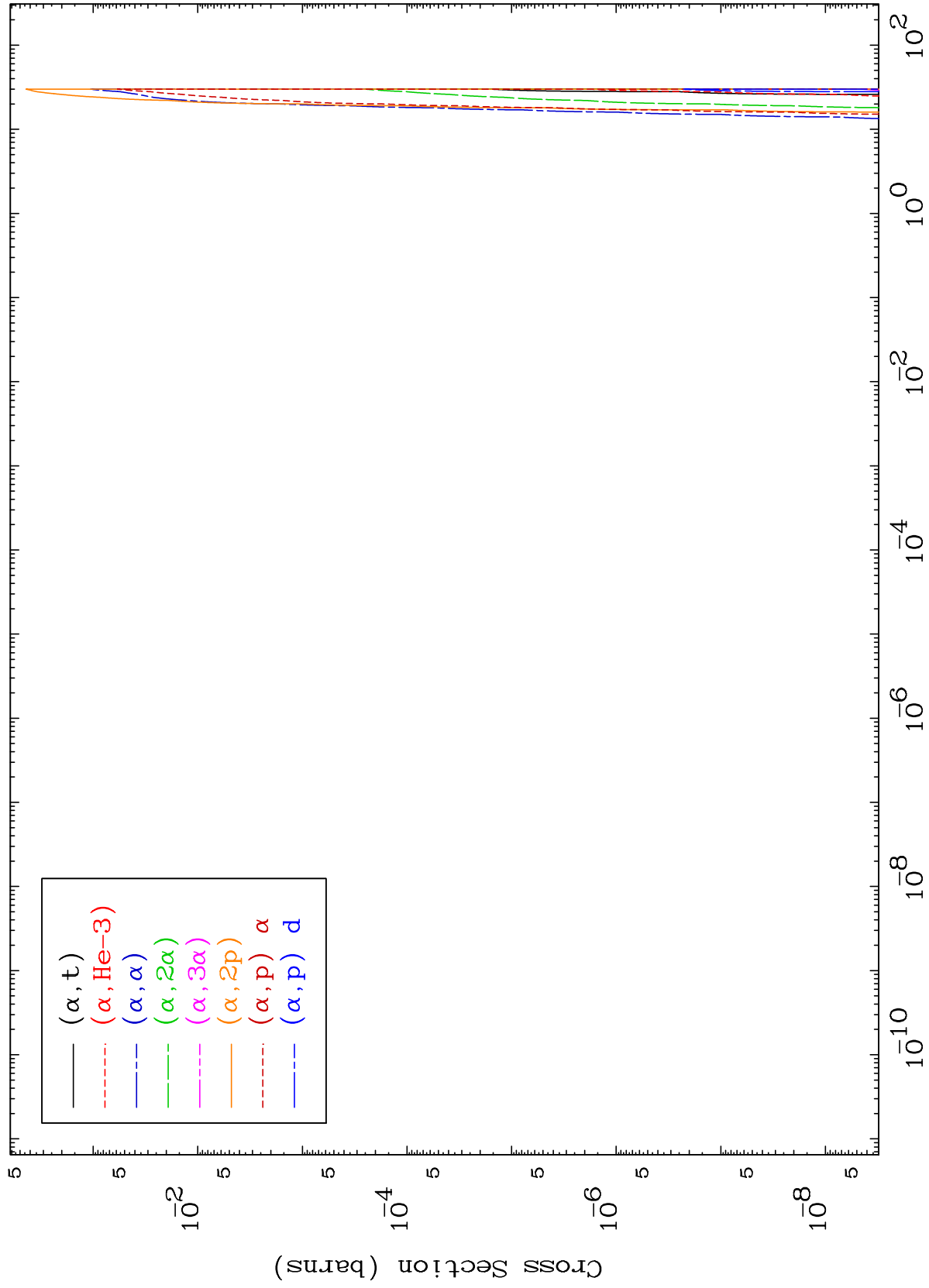




MAT 7865

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

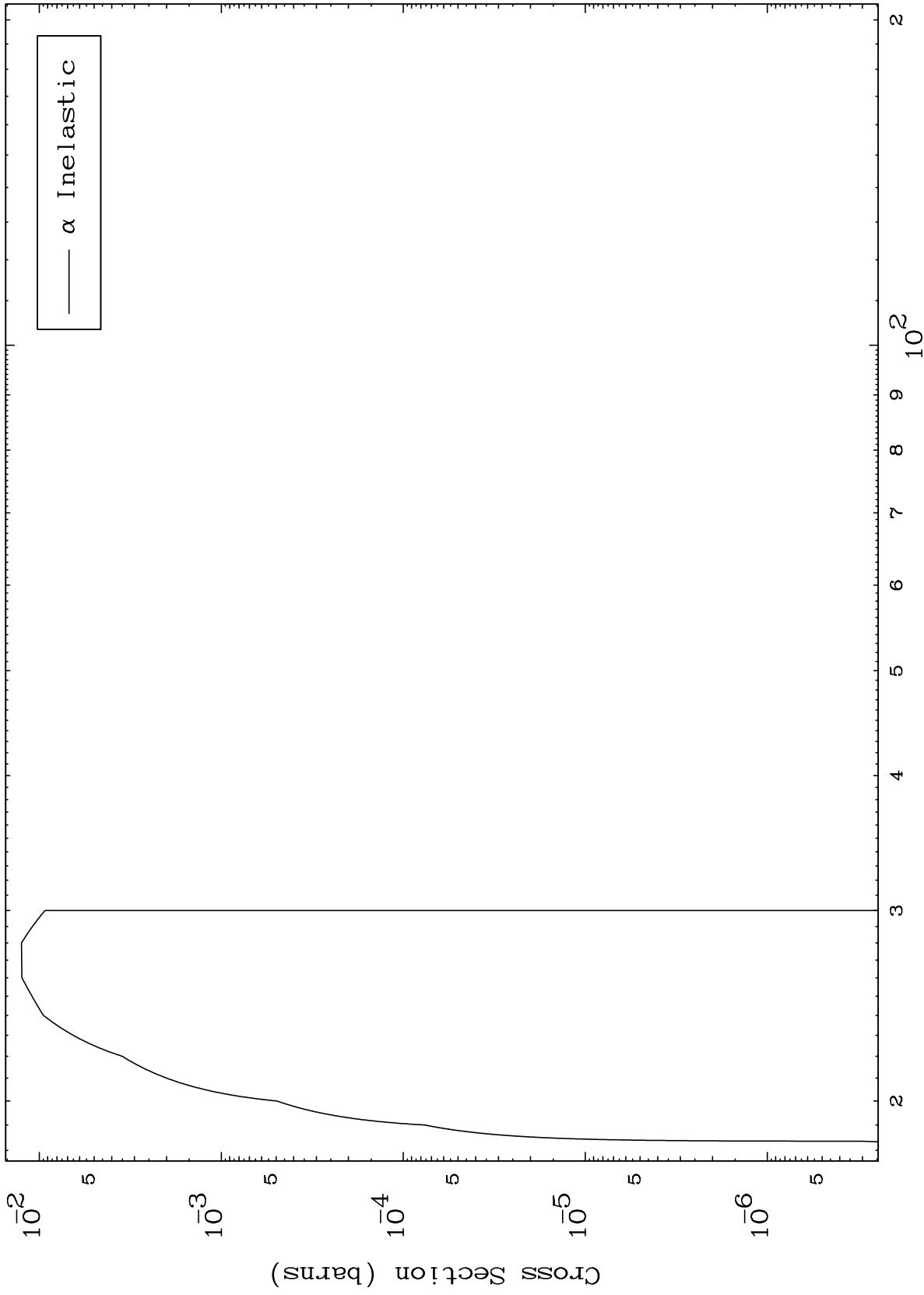
79-Au-177



MAT 7865

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

79-Au-177



5

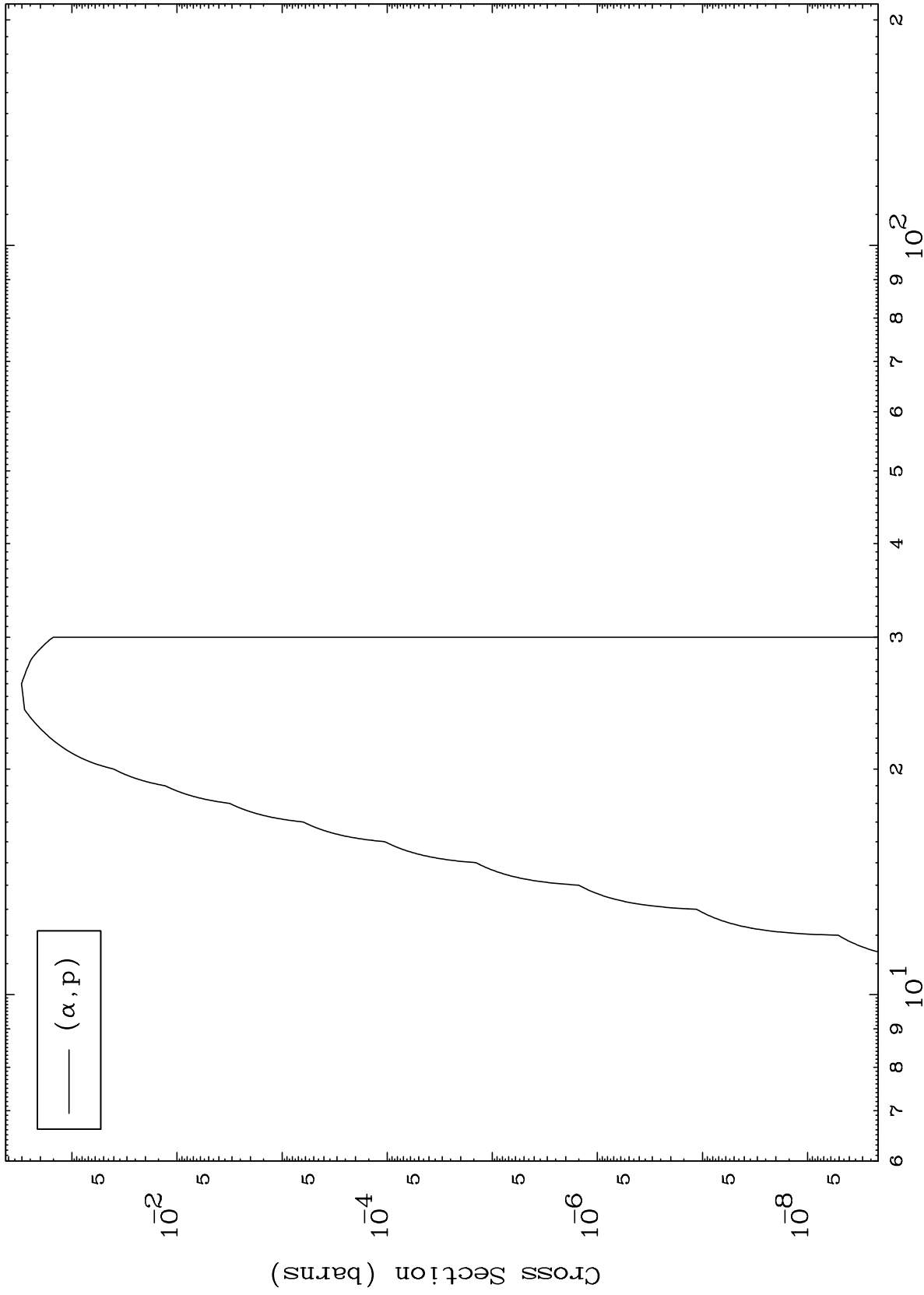
Incident Energy (MeV)

79-Au-177

MAT 7865

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

79-Au-177



6

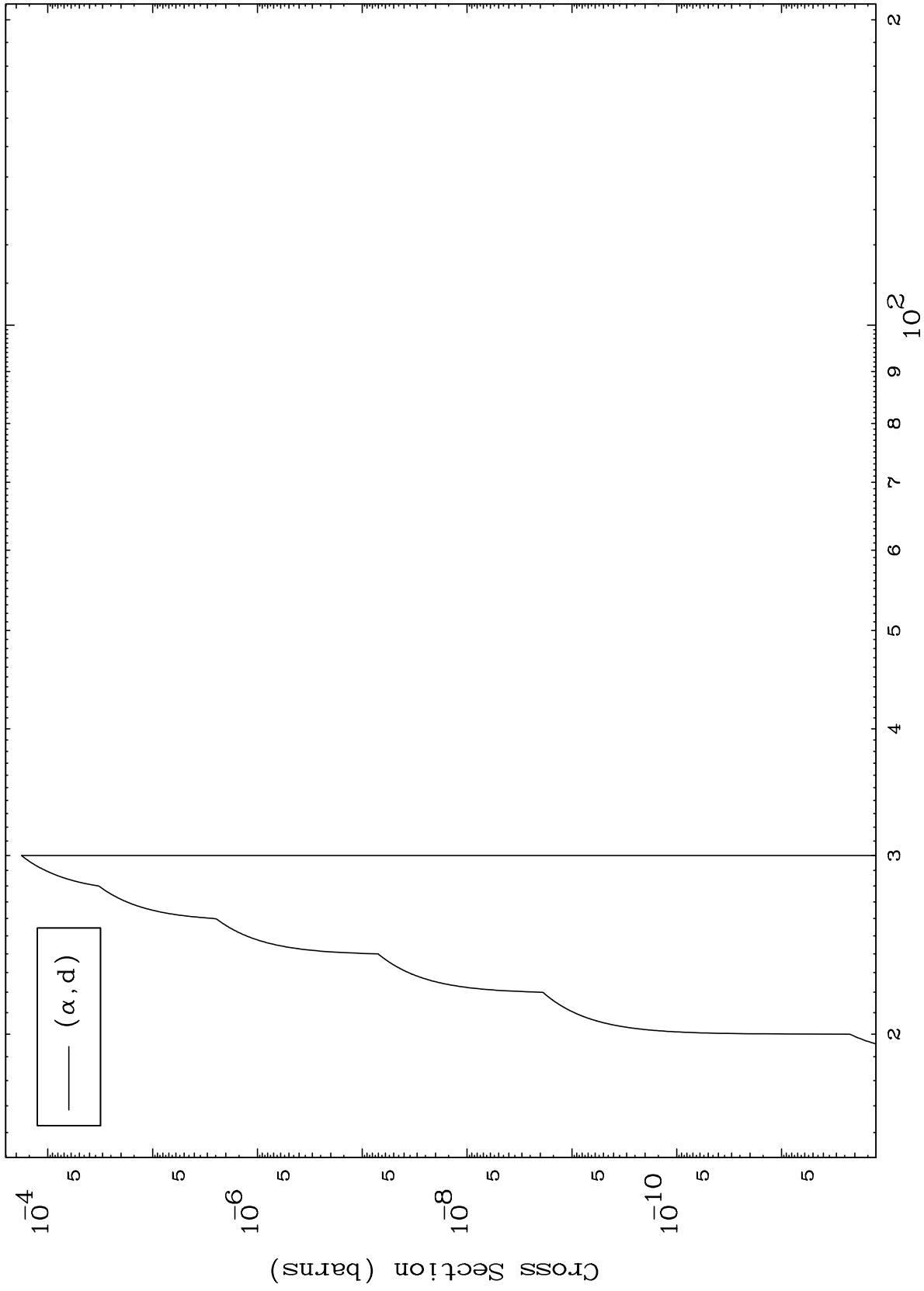
Incident Energy (MeV)

79-Au-177

MAT 7865

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

79-Au-177



7

Incident Energy (MeV)

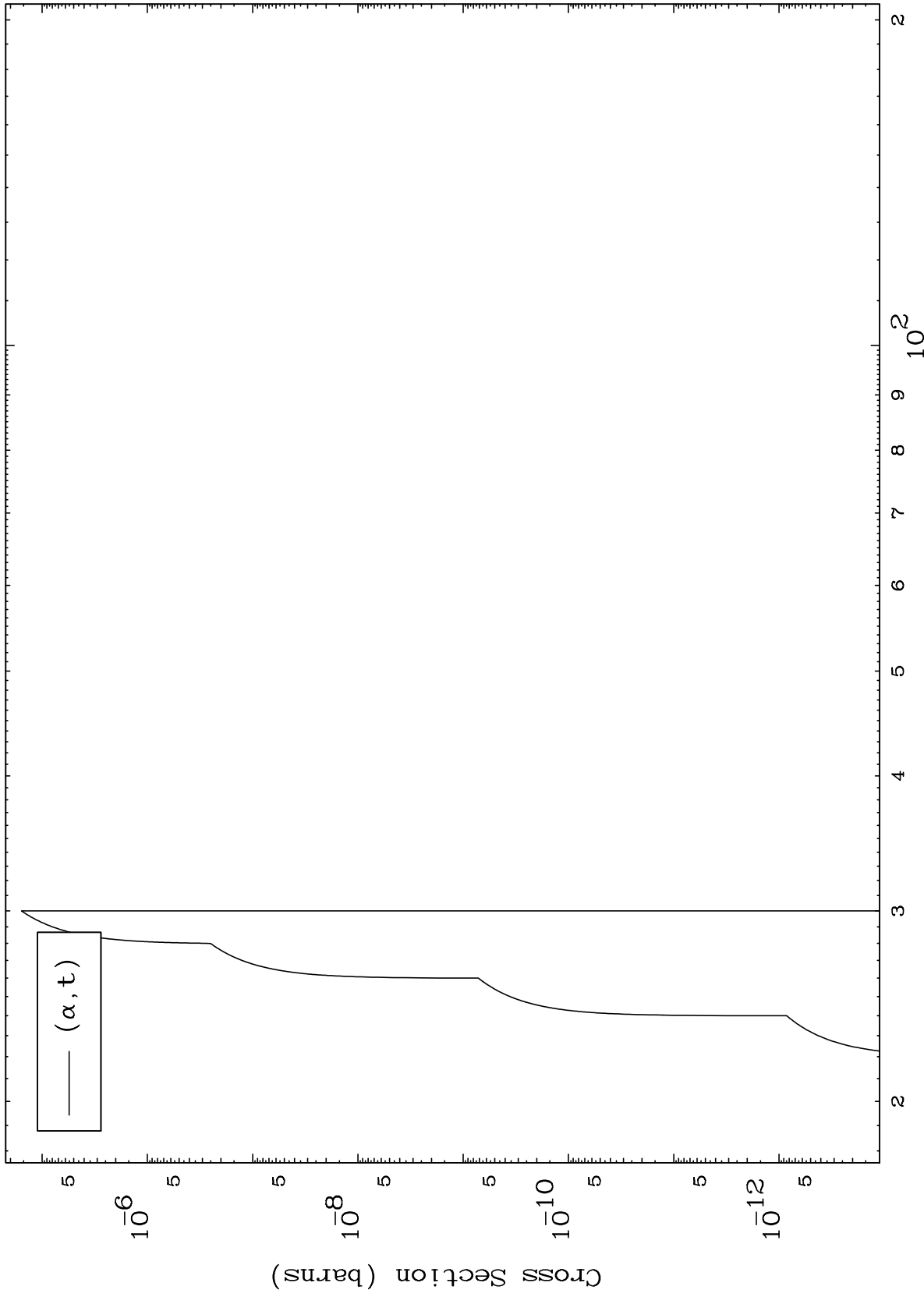
79-Au-177



MAT 7865

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

79-Au-177



8

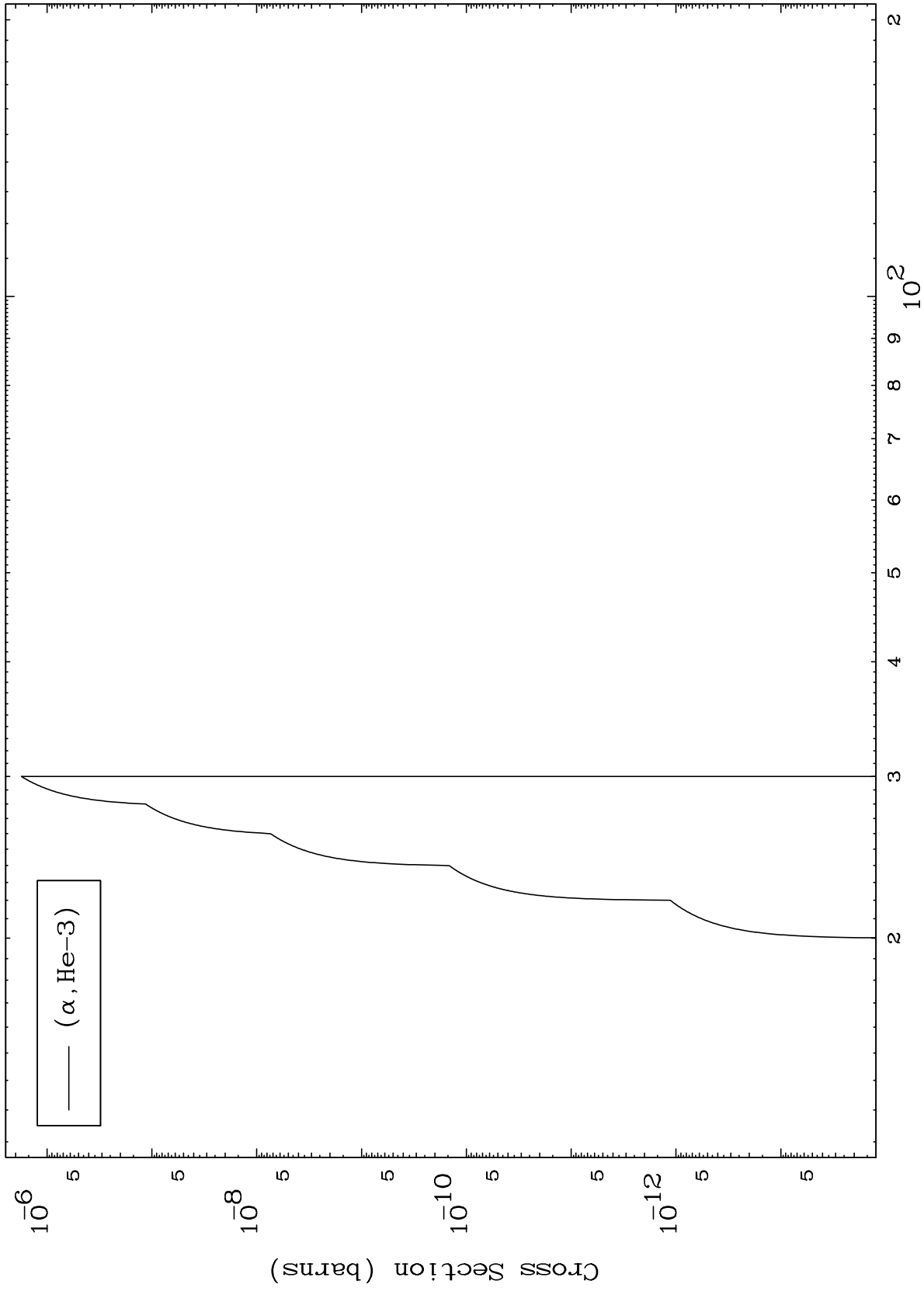
Incident Energy (MeV)

79-Au-177

MAT 7865

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

79-Au-177



9

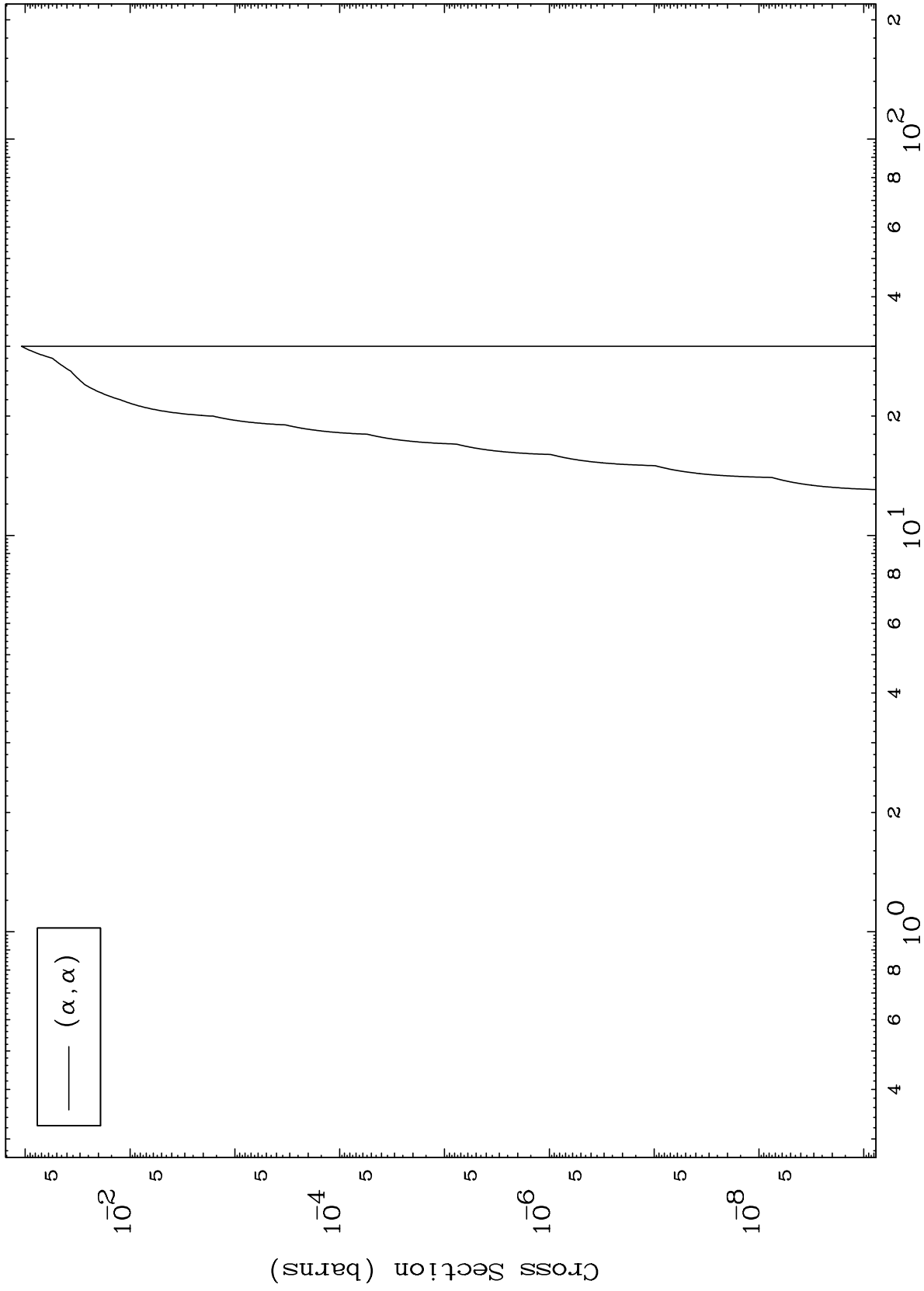
Incident Energy (MeV)

79-Au-177

MAT 7865

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

79-Au-177



10

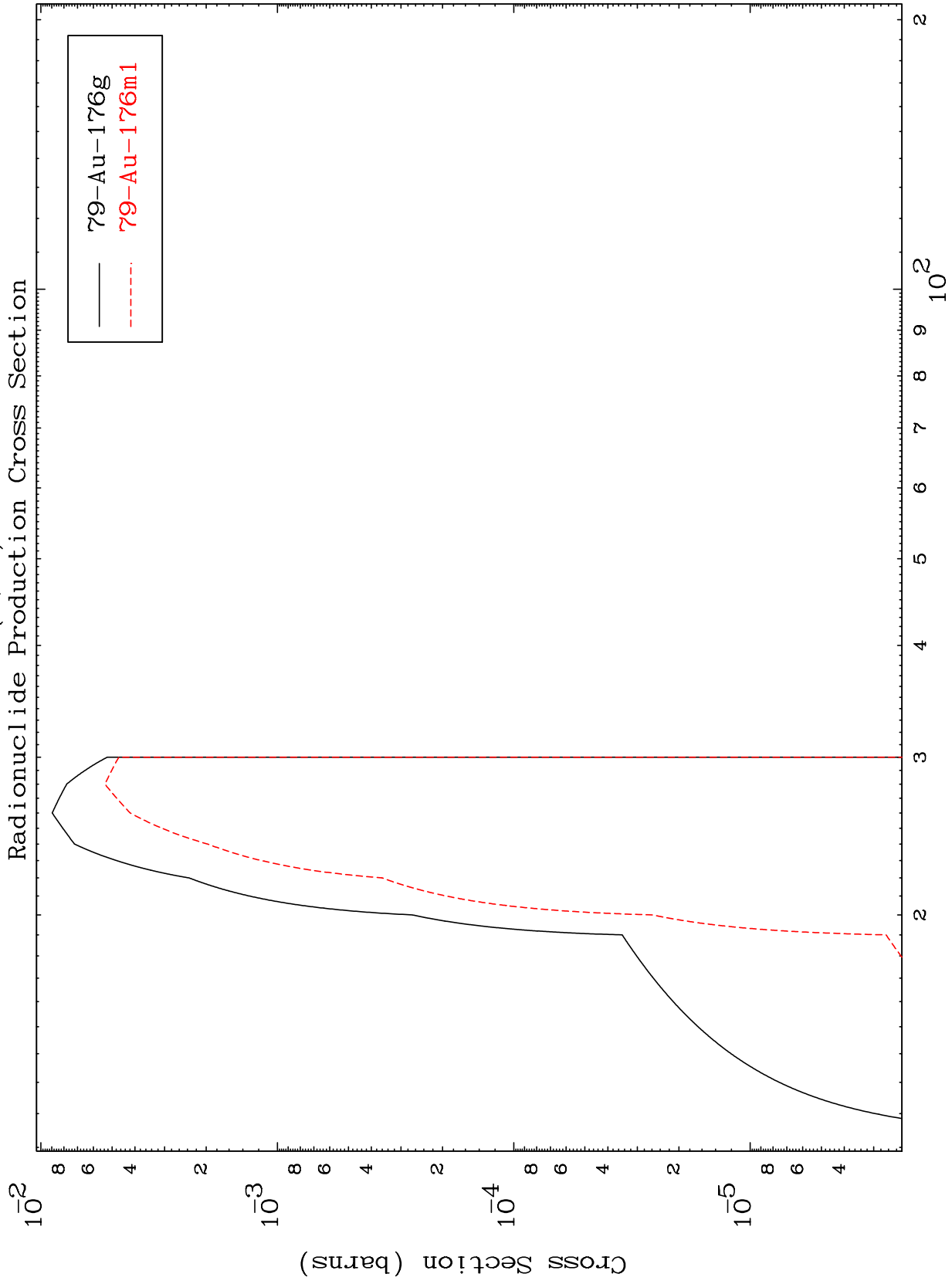
Incident Energy (MeV)

79-Au-177

MAT 7865

$(\alpha, n')$   $\alpha$

$^{79}\text{Au-177}$



11

$^{79}\text{Au-177}$

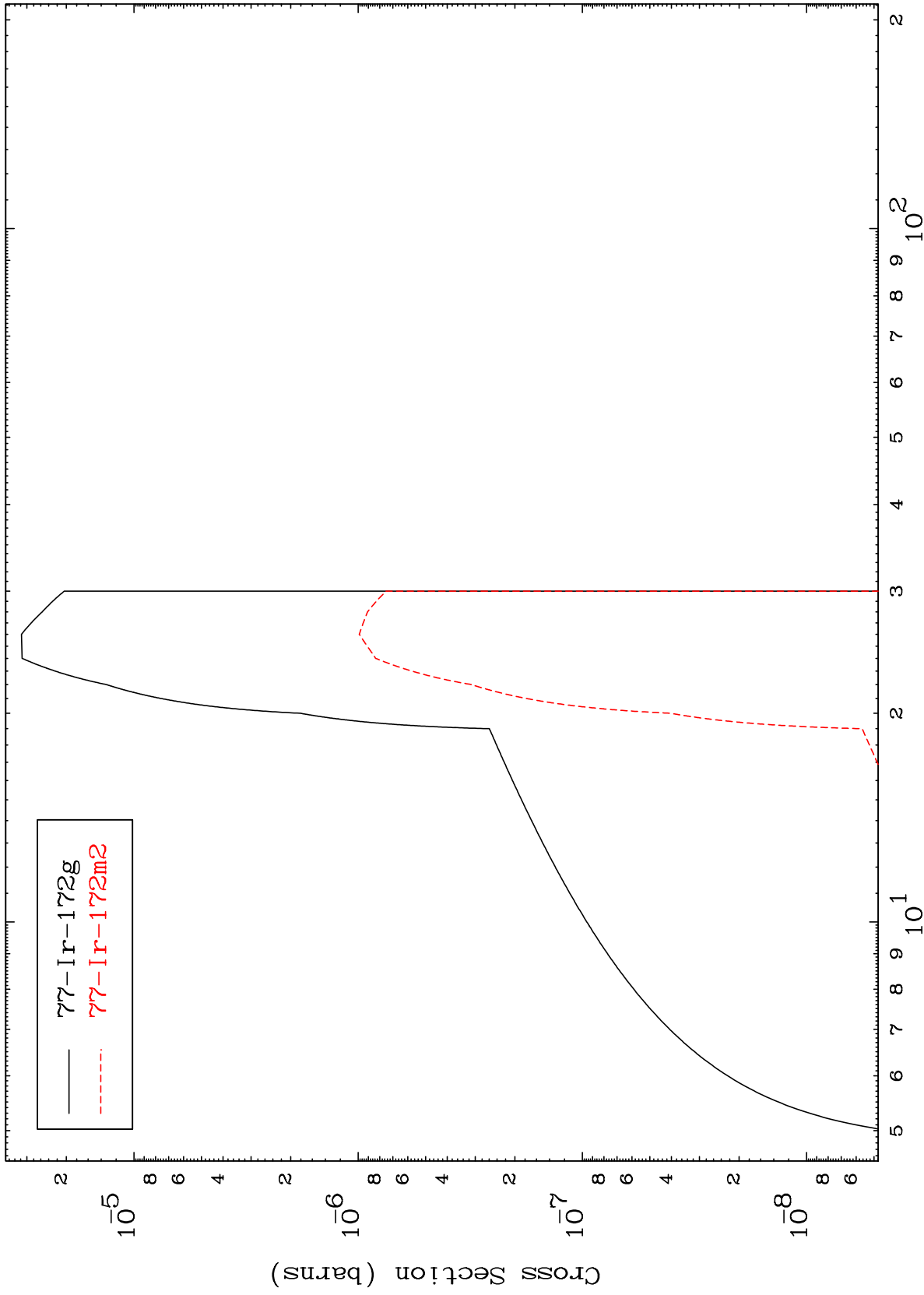
$^{79}\text{Au-177}$

MAT 7865

( $\alpha, n'$ )  $2\alpha$

$^{79}\text{Au-177}$

Radionuclide Production Cross Section



12

Incident Energy (MeV)

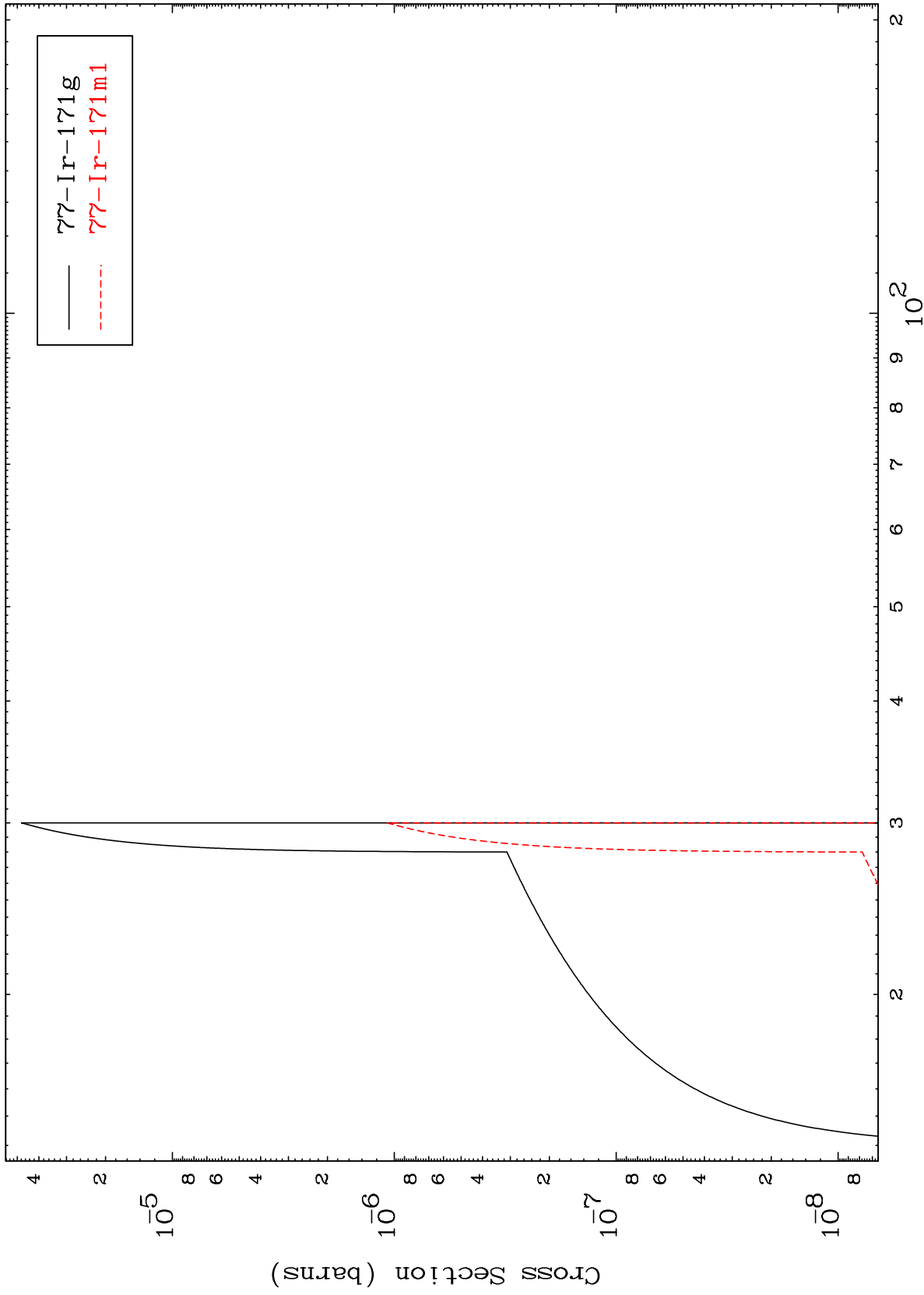
$^{79}\text{Au-177}$

MAT 7865

$(\alpha, 2n) 2\alpha$

<sup>79</sup>Au-177

Radionuclide Production Cross Section



13

Incident Energy (MeV)

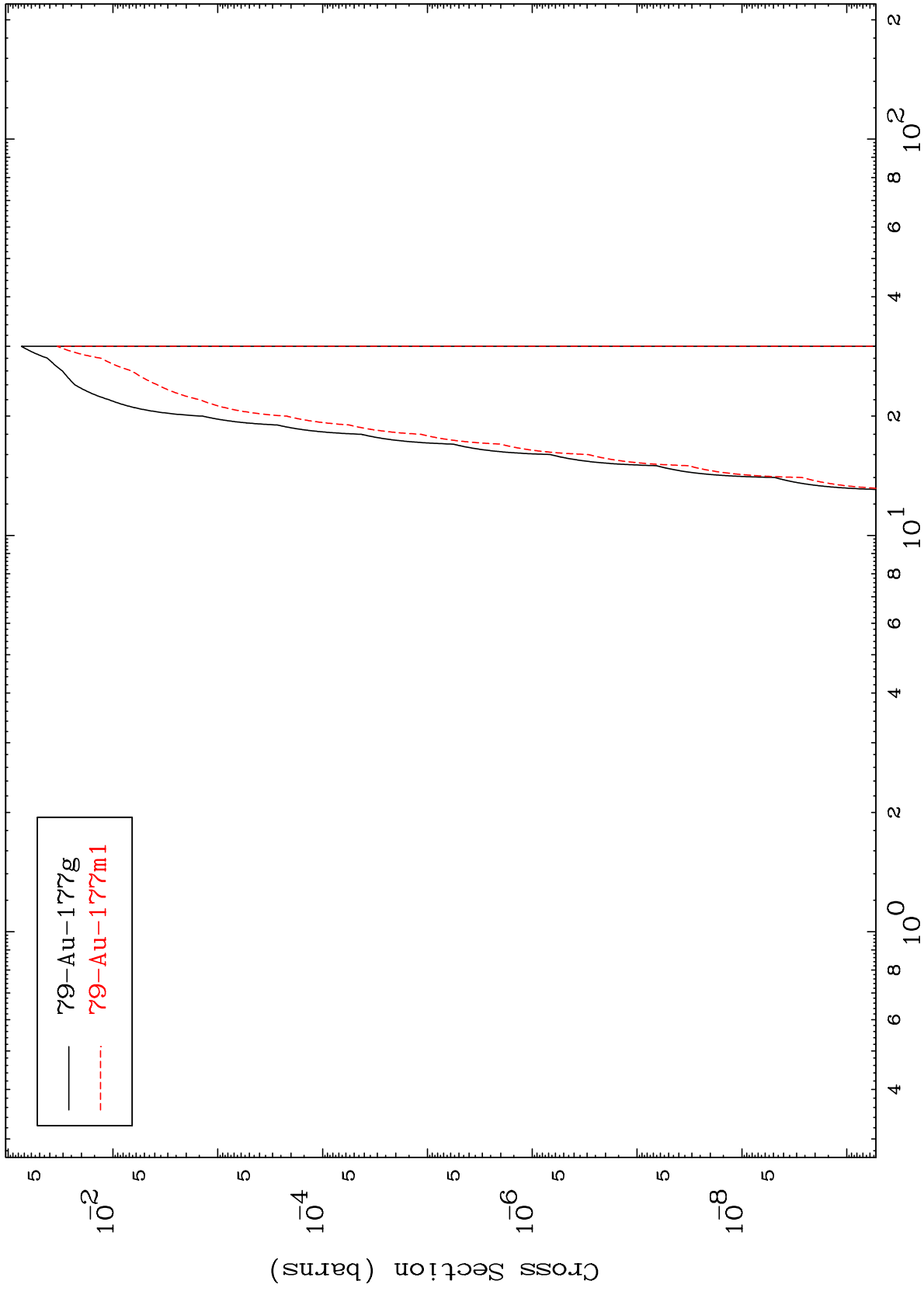
<sup>79</sup>Au-177

MAT 7865

( $\alpha, \alpha$ )

<sup>79</sup>Au-177

Radionuclide Production Cross Section



— <sup>79</sup>Au-177g  
- - - <sup>79</sup>Au-177m1

14

Incident Energy (MeV)

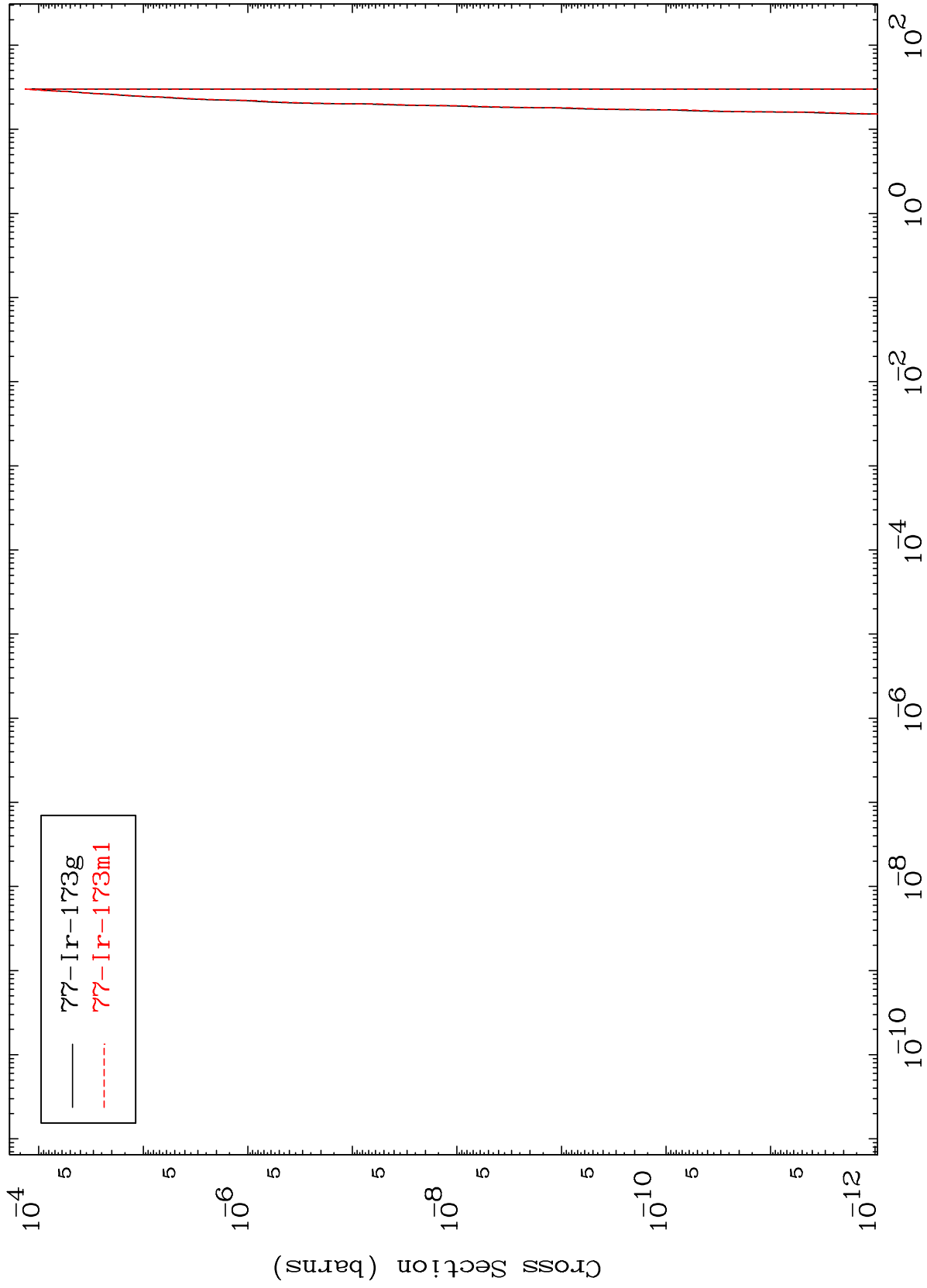
<sup>79</sup>Au-177

MAT 7865

( $\alpha, 2\alpha$ )

<sup>79</sup>Au-177

Radionuclide Production Cross Section



15

Incident Energy (MeV)

<sup>79</sup>Au-177

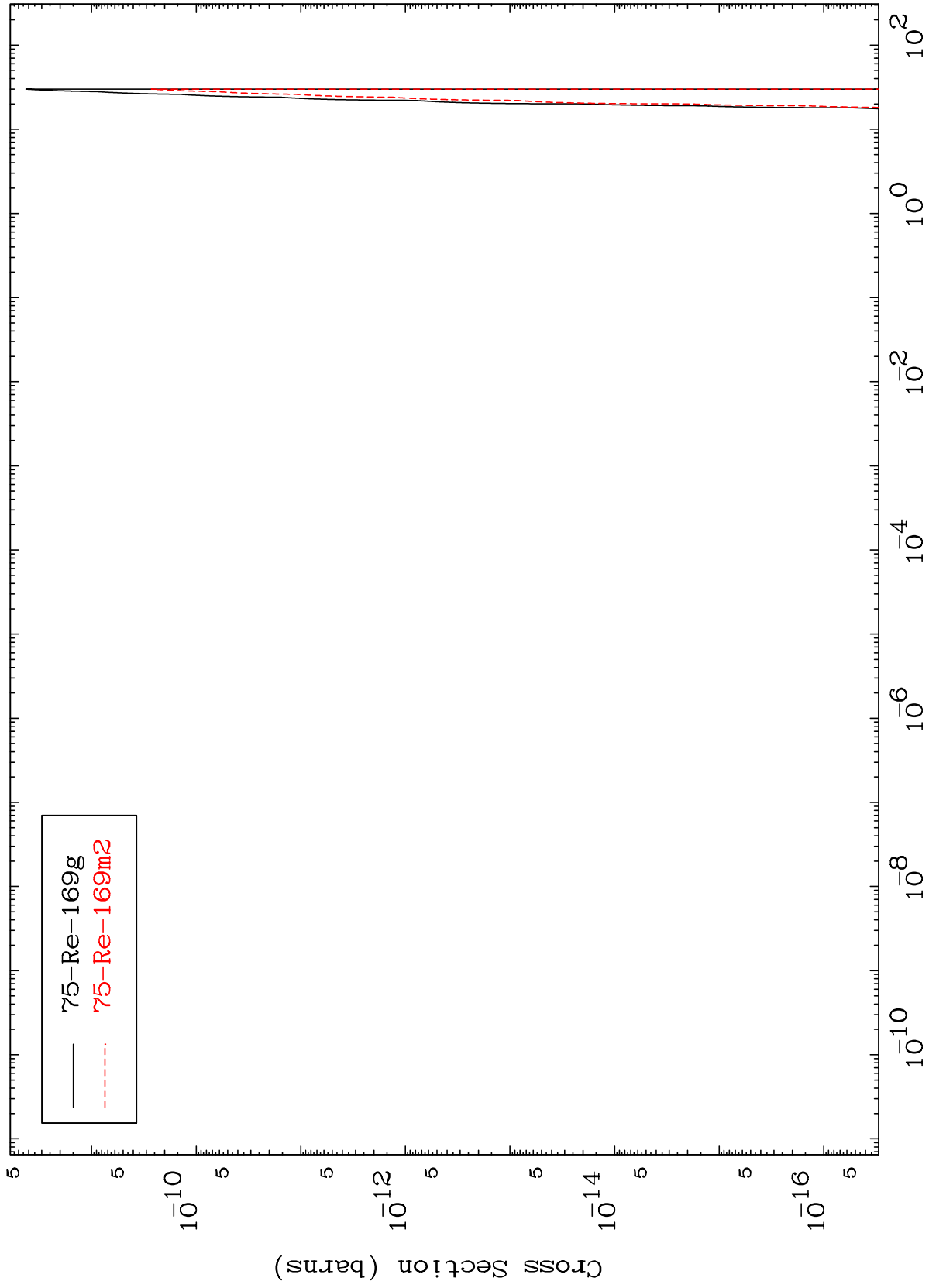


MAT 7865

( $\alpha, 3\alpha$ )

<sup>79</sup>Au-177

Radionuclide Production Cross Section



16

Incident Energy (MeV)

<sup>79</sup>Au-177