

Program EVALPLOT  
(Version 2018-1)

by

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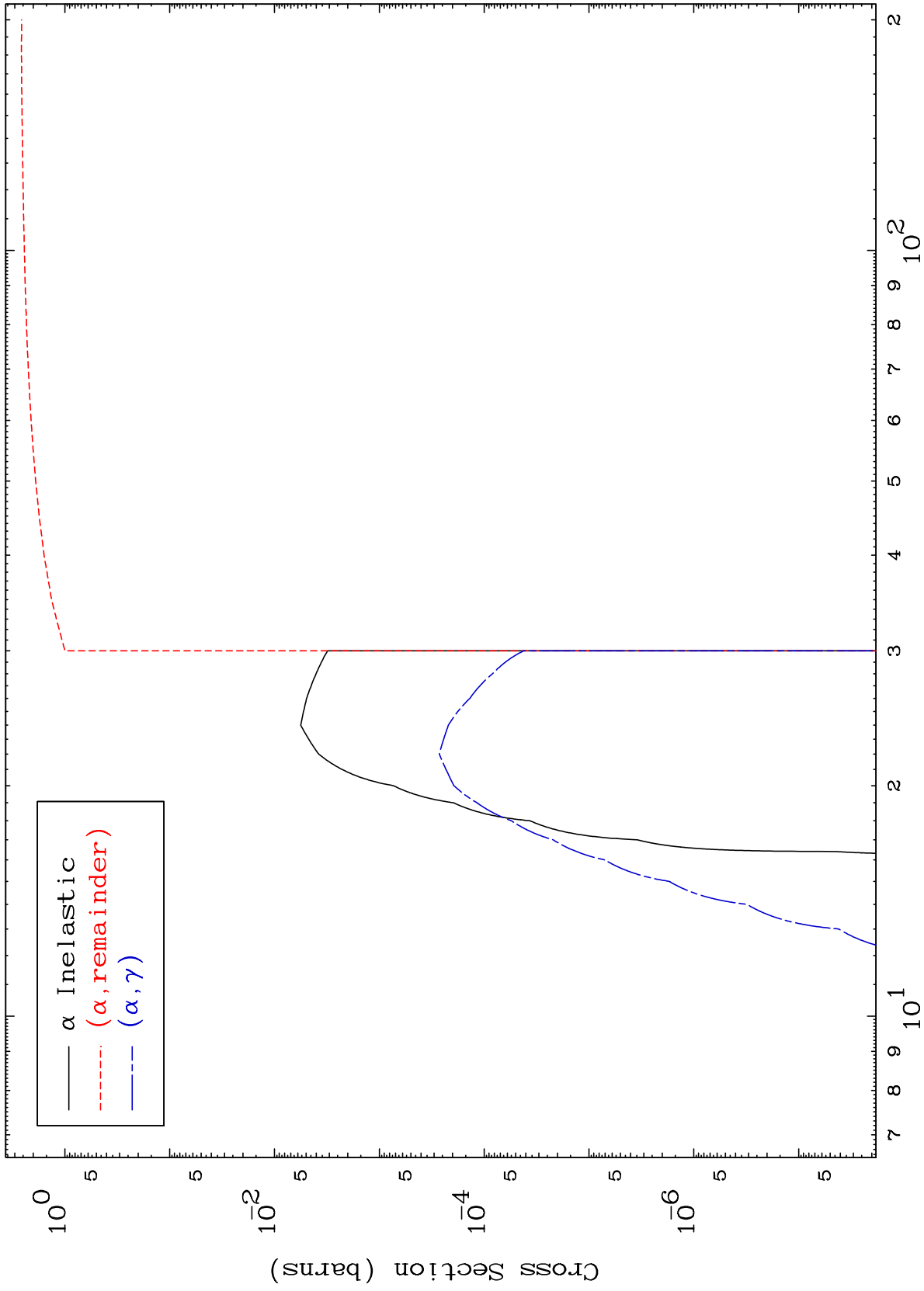
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 7862

0 Kelvin  $\alpha$  Major  
Cross Sections

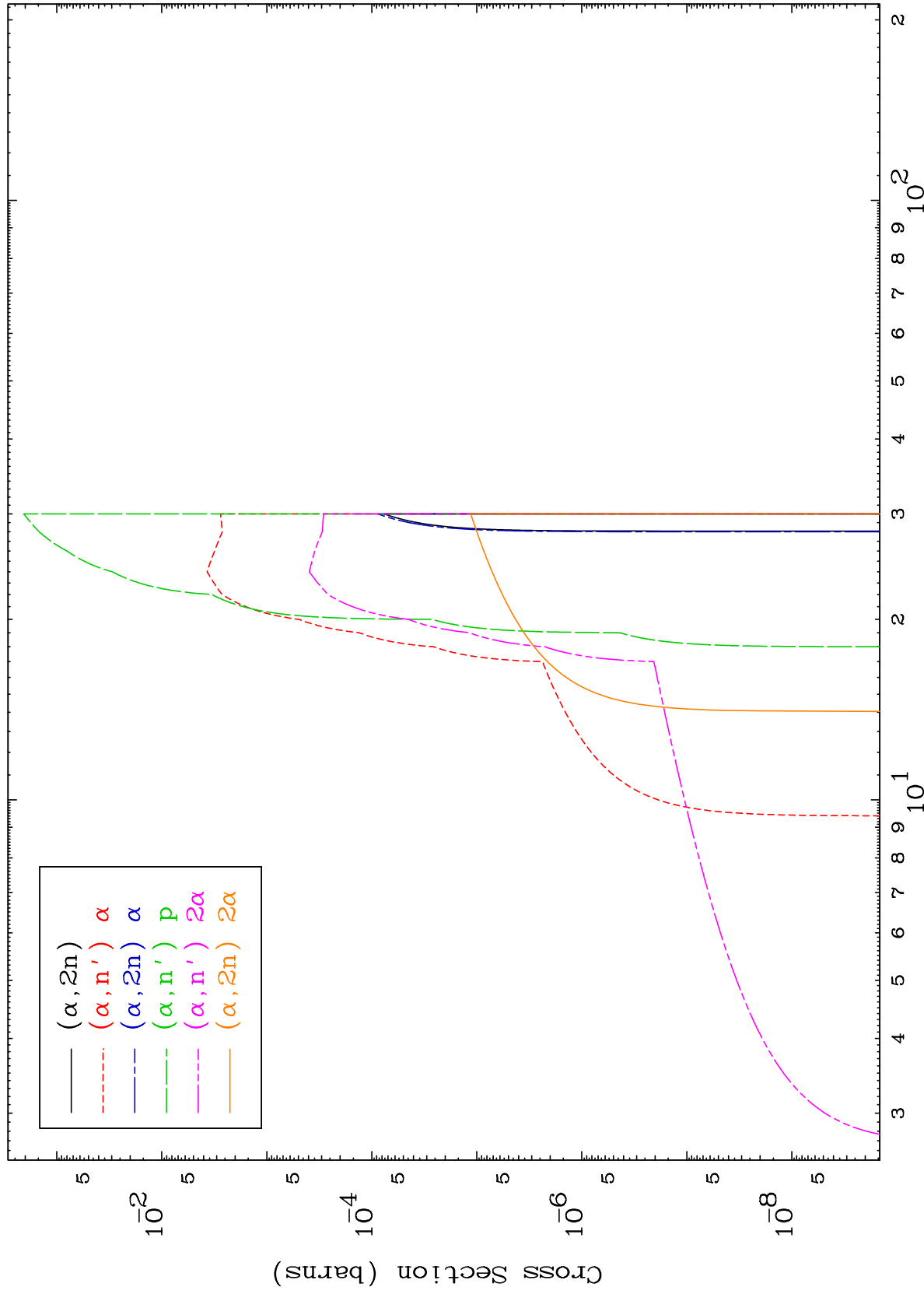
79-Au-176

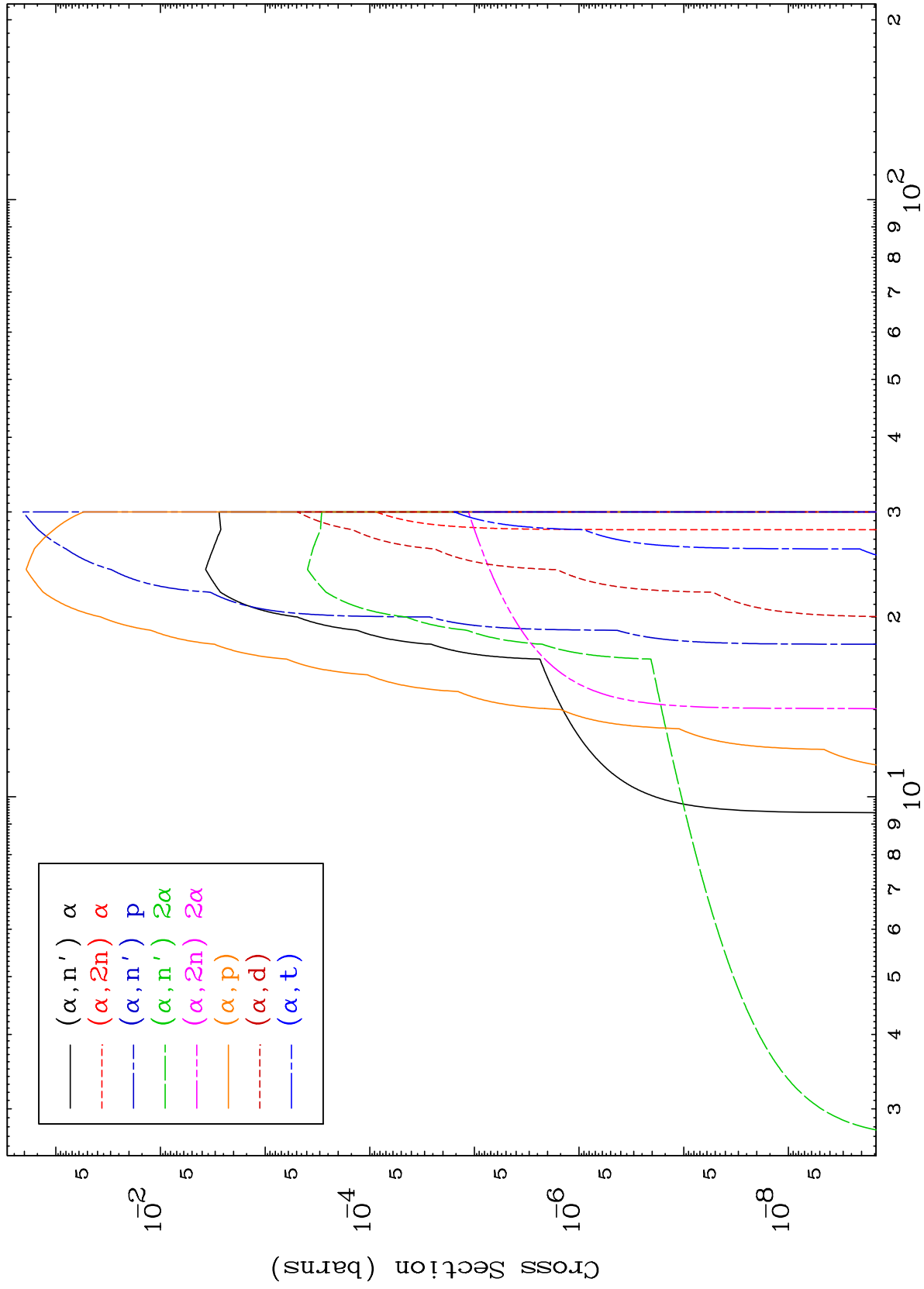


1

Incident Energy (MeV)

79-Au-176

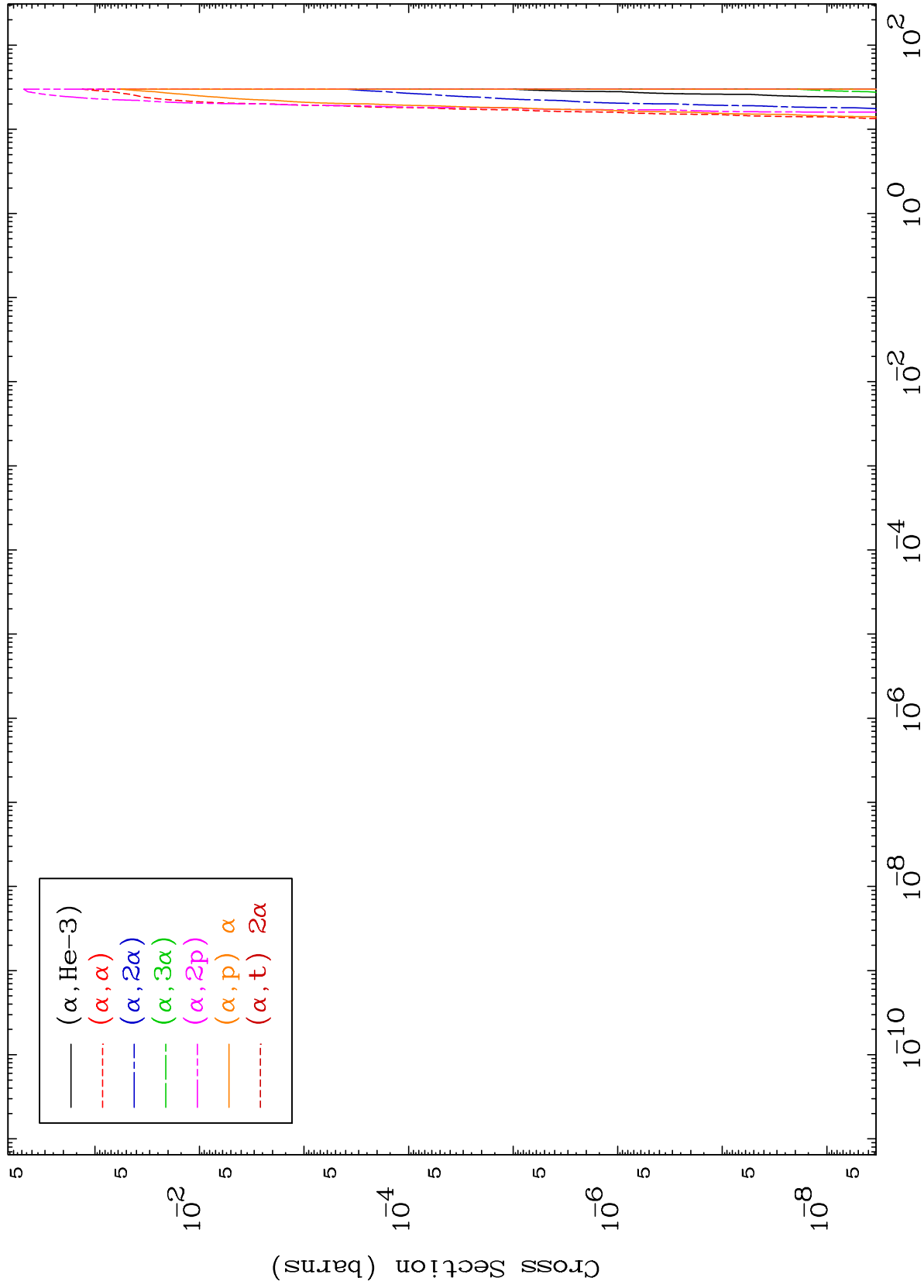




MAT 7862

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

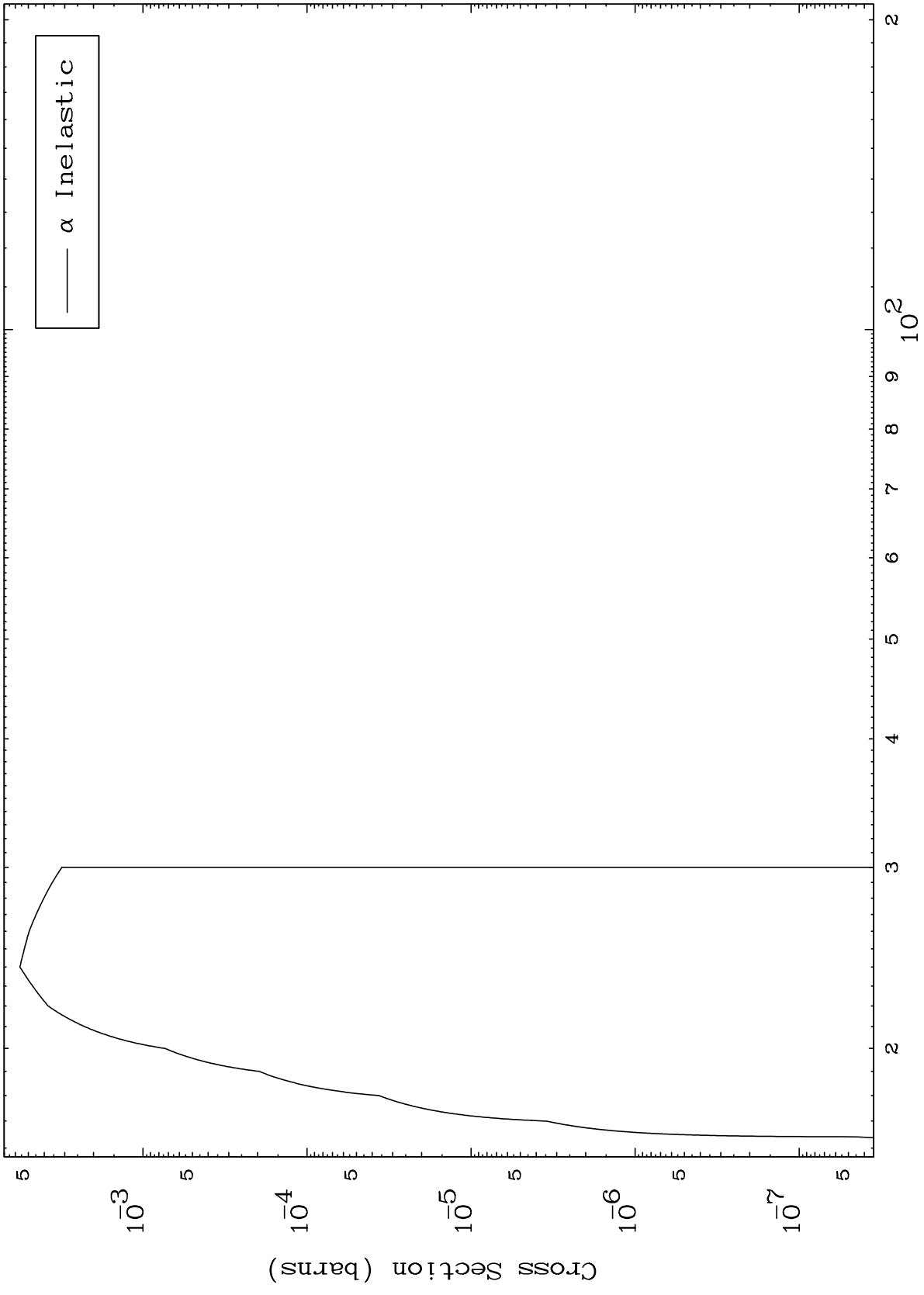
79-Au-176



MAT 7862

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

79-Au-176



5

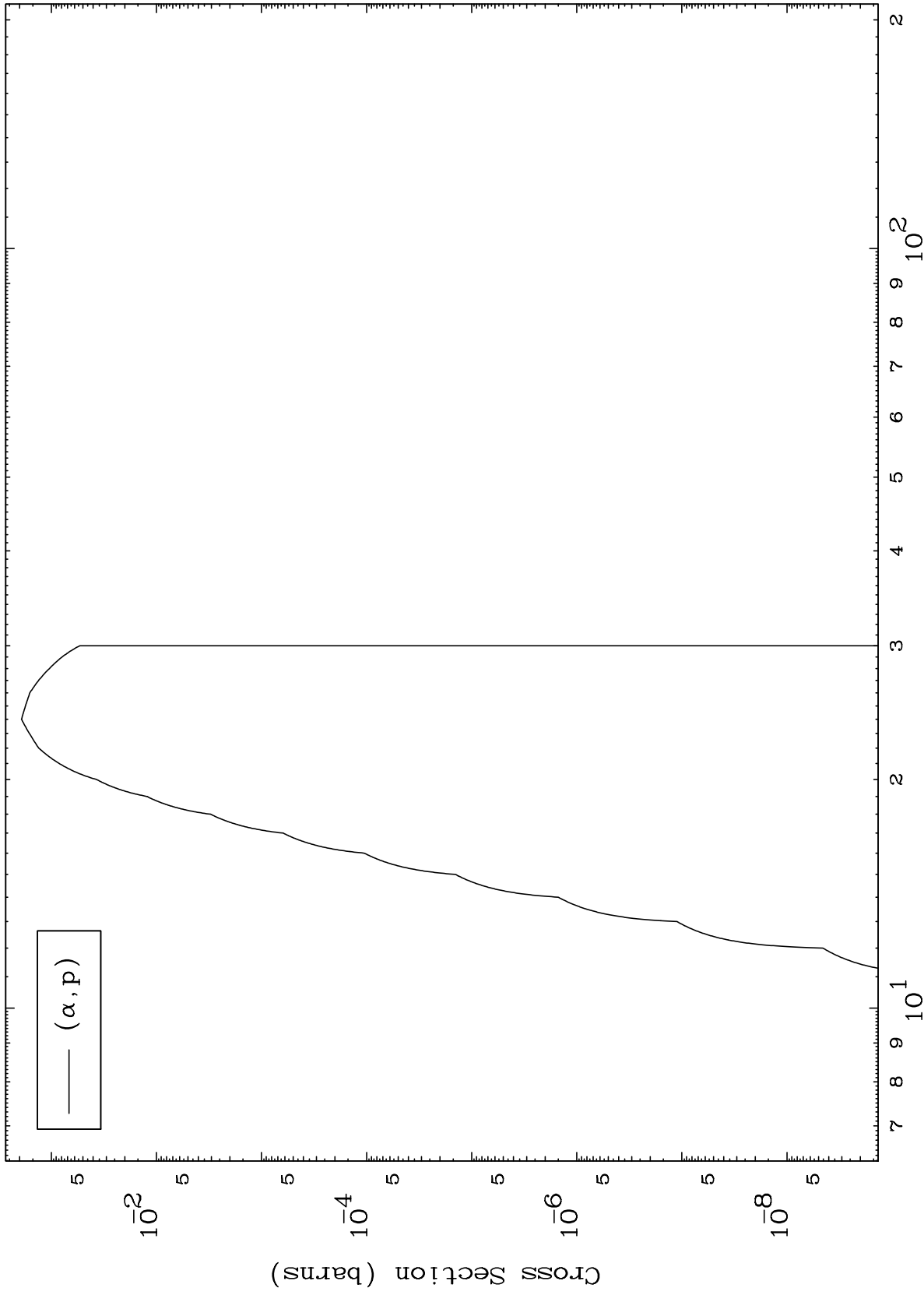
Incident Energy (MeV)

79-Au-176

MAT 7862

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

<sup>79</sup>Au-176



6

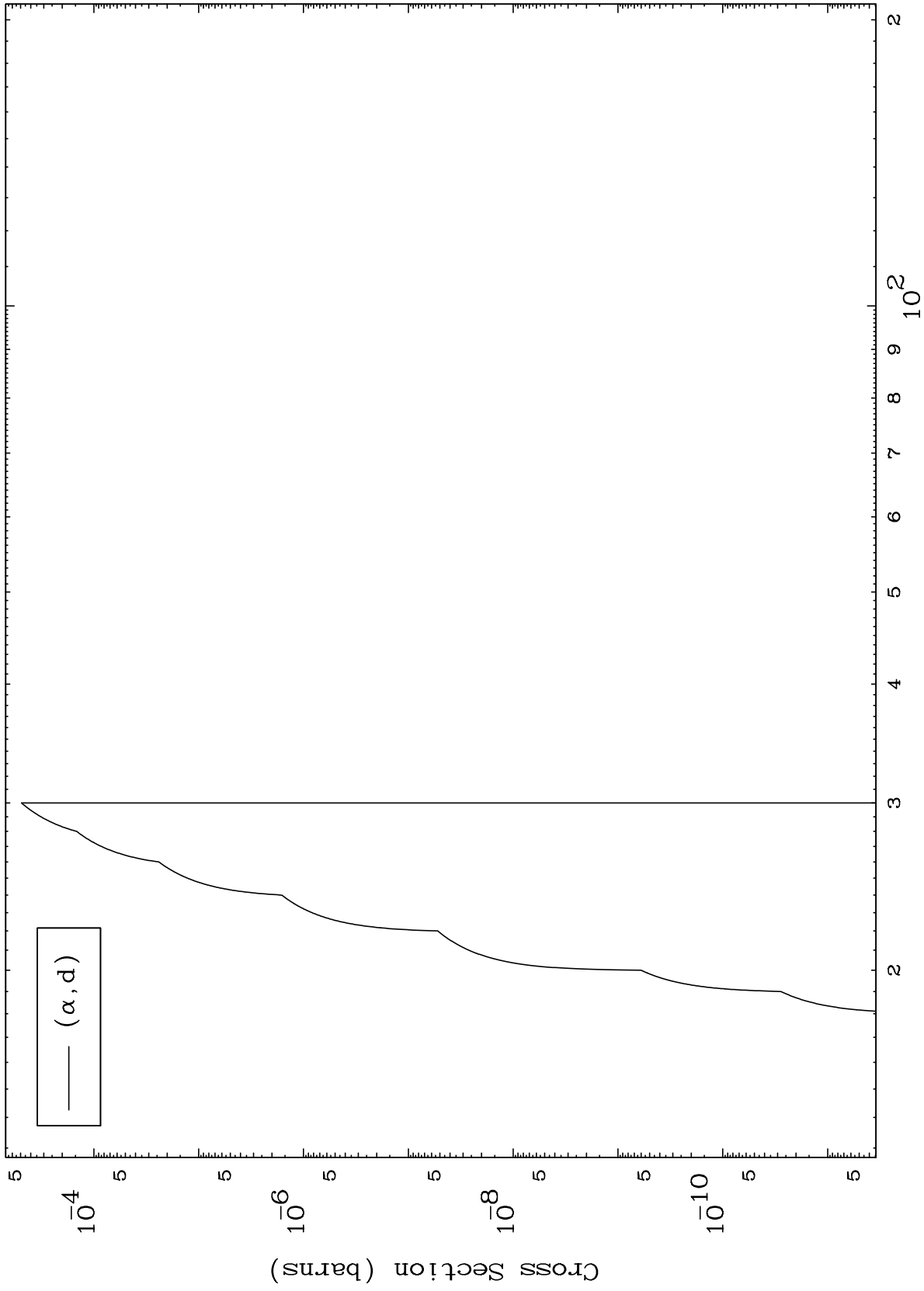
Incident Energy (MeV)

<sup>79</sup>Au-176

MAT 7862

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

<sup>79</sup>Au-176



7

Incident Energy (MeV)

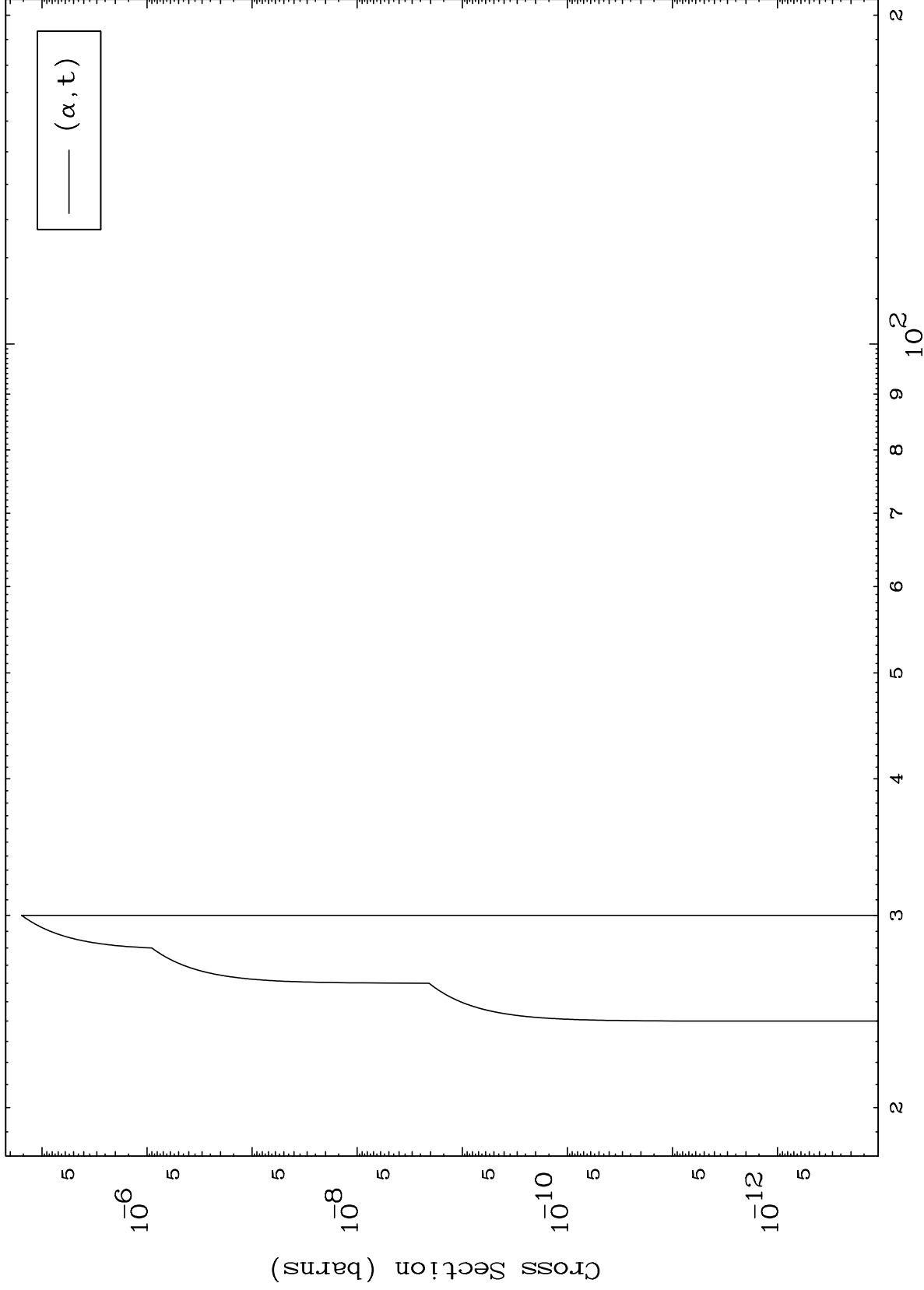
<sup>79</sup>Au-176



MAT 7862

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

<sup>79</sup>Au-176



8

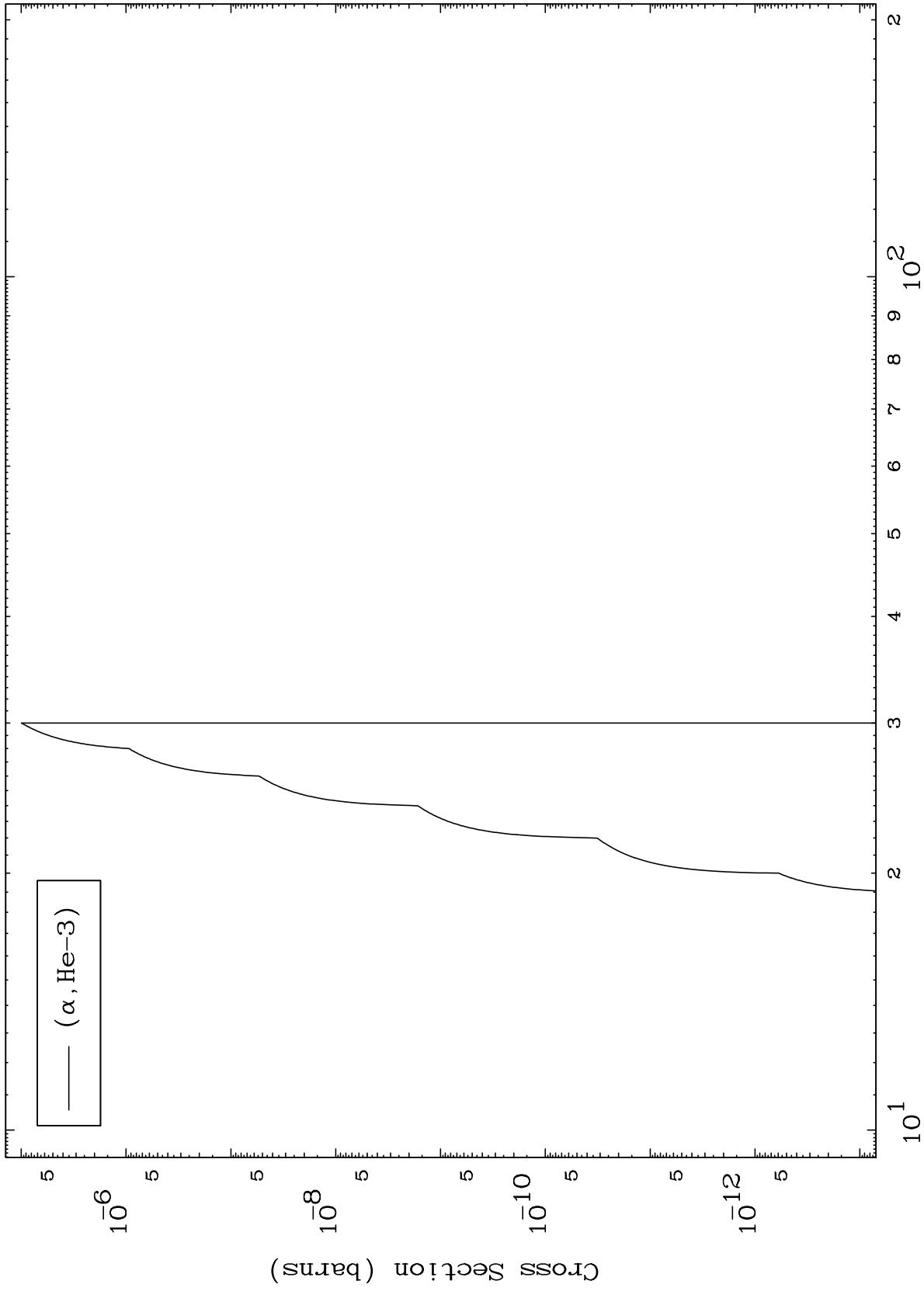
Incident Energy (MeV)

<sup>79</sup>Au-176

MAT 7862

( $\alpha, \text{He}3$ ) Levels  
0 Kelvin Cross Sections

79-Au-176



9

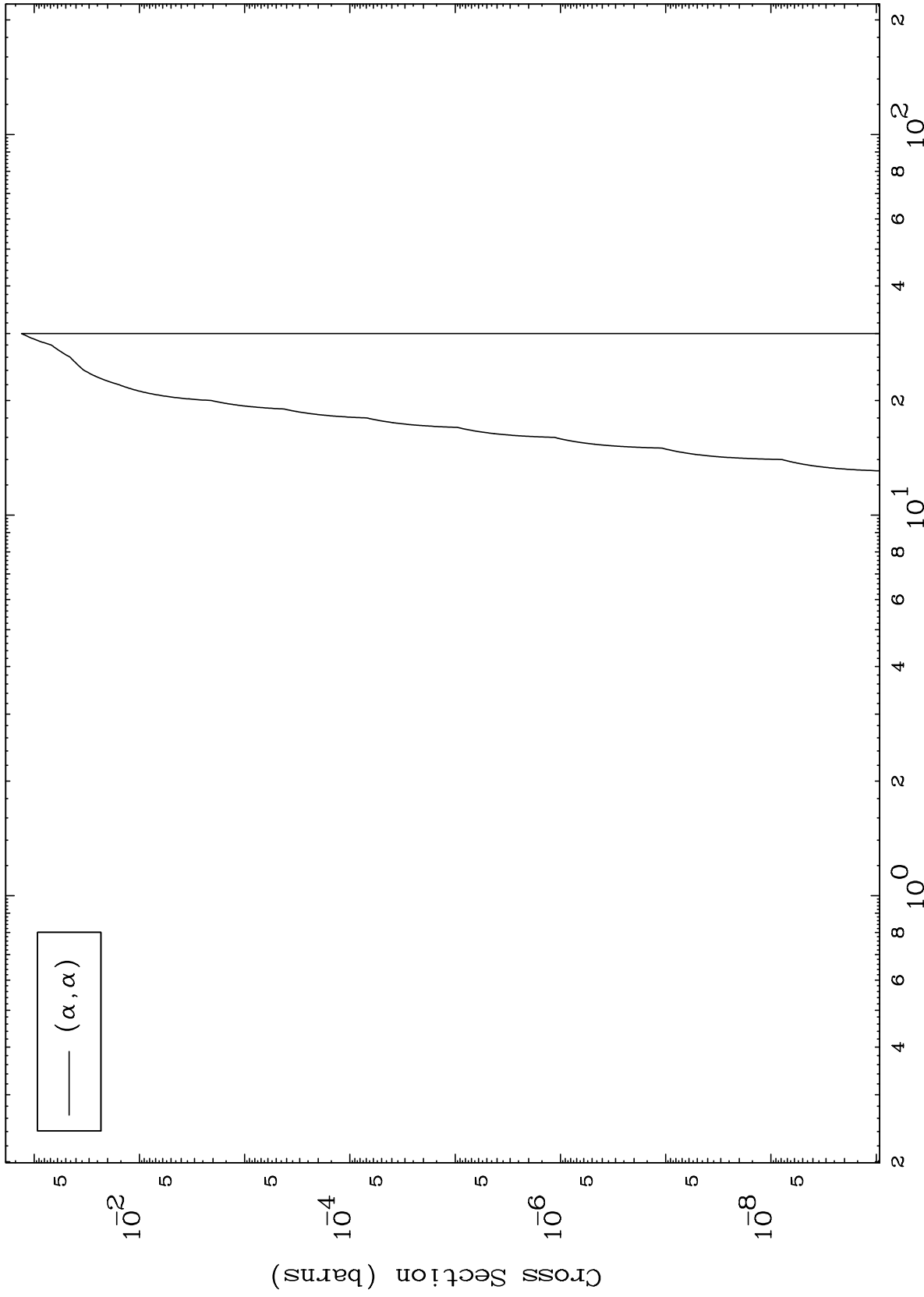
Incident Energy (MeV)

79-Au-176

MAT 7862

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

79-Au-176



10

Incident Energy (MeV)

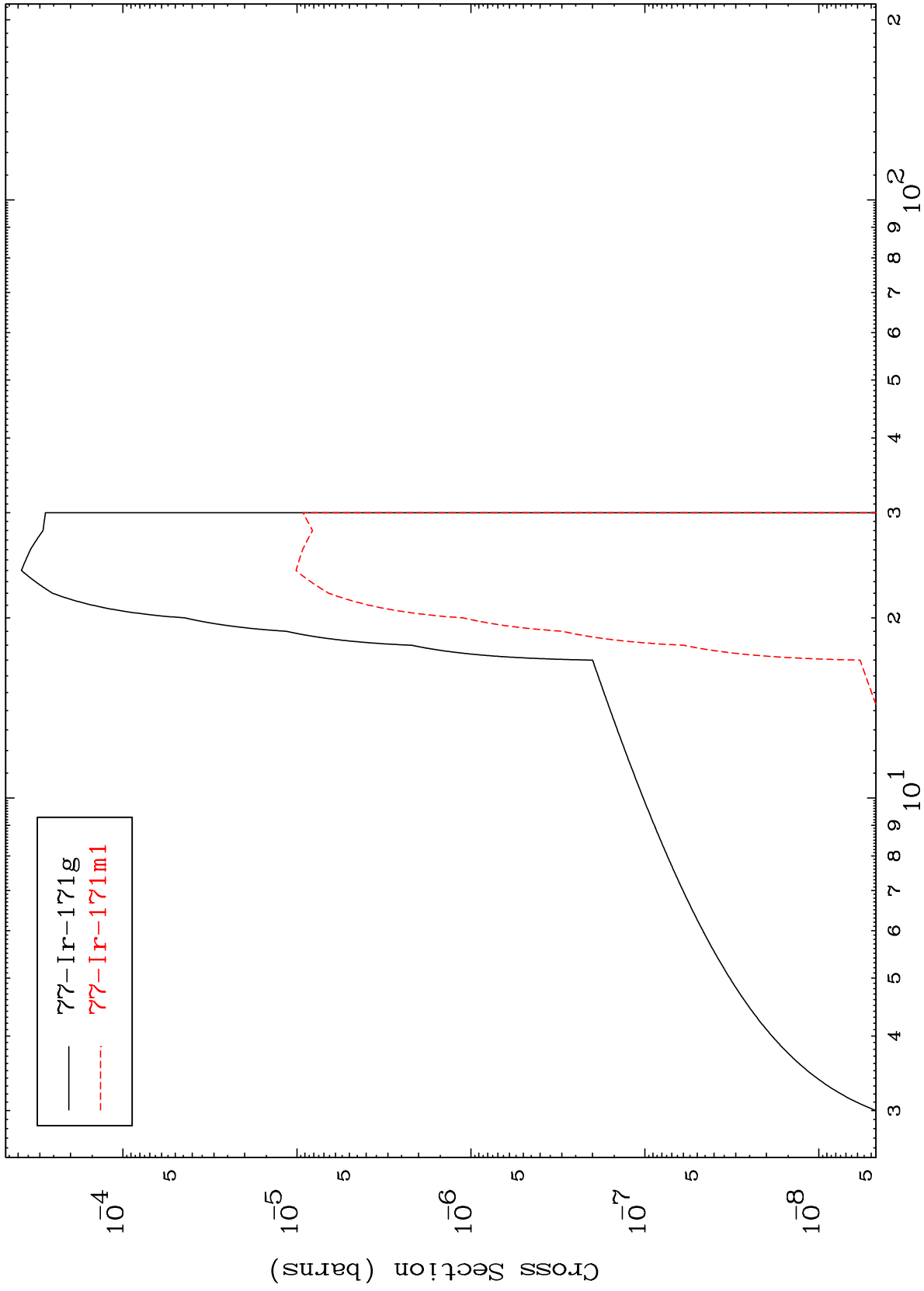
79-Au-176

MAT 7862

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

<sup>79</sup>Au-176

Radionuclide Production Cross Section



11

Incident Energy (MeV)

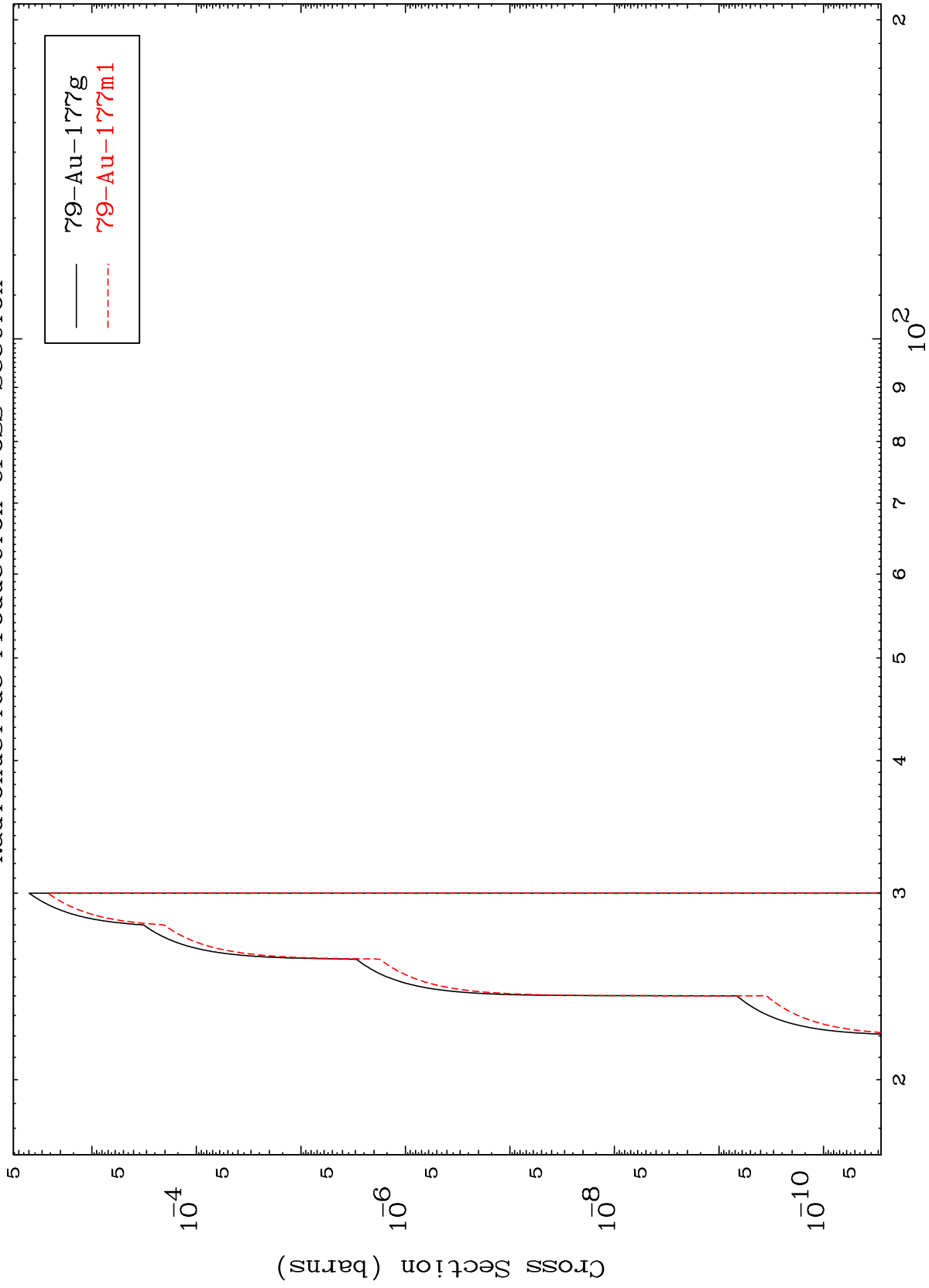
<sup>79</sup>Au-176

MAT 7862

( $\alpha, 2n$ ) p

<sup>79</sup>Au-176

Radionuclide Production Cross Section



12

Incident Energy (MeV)

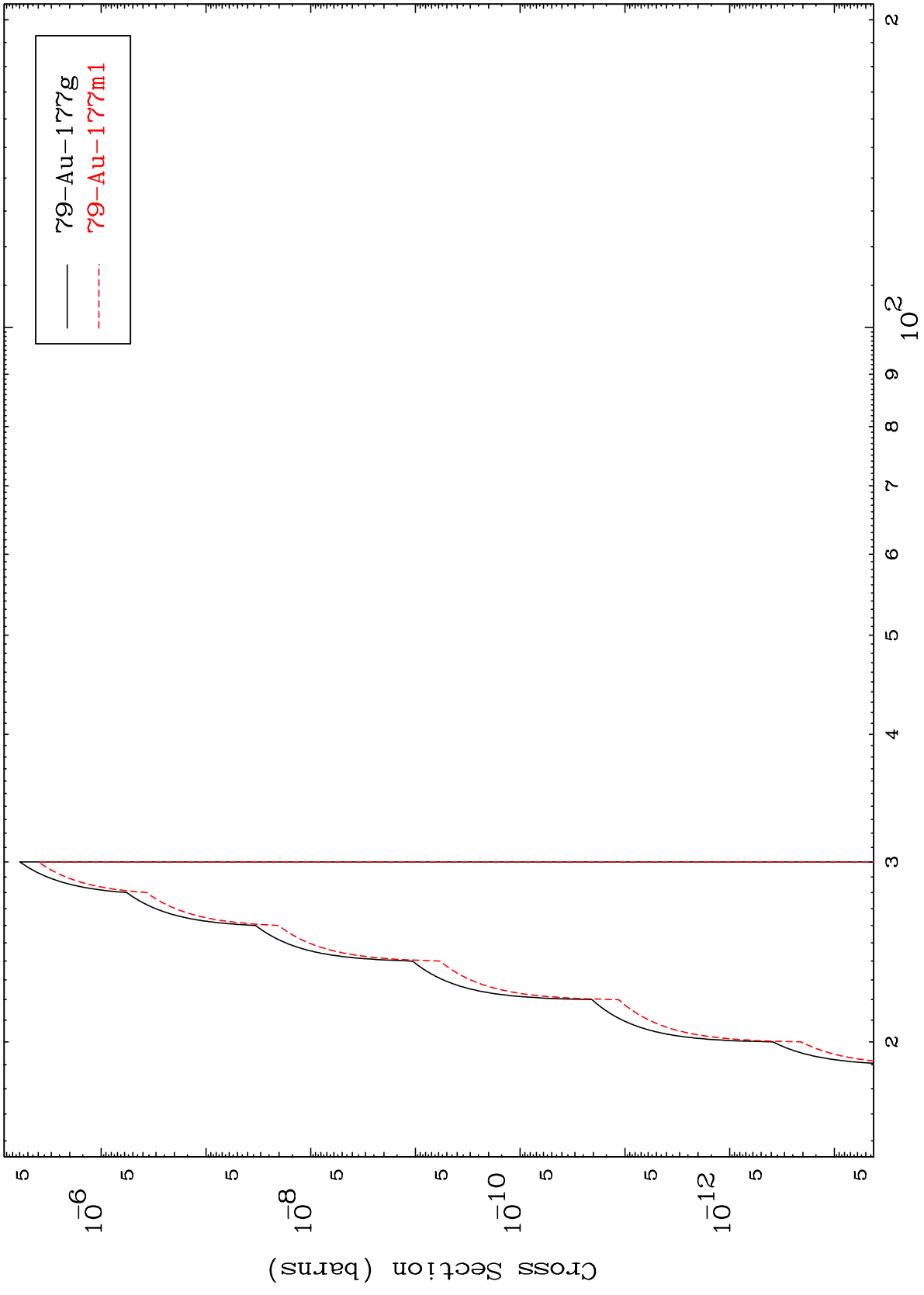
<sup>79</sup>Au-176

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( $\alpha, \text{He-3}$ )

$^{79}\text{Au-176}$

Radionuclide Production Cross Section



13

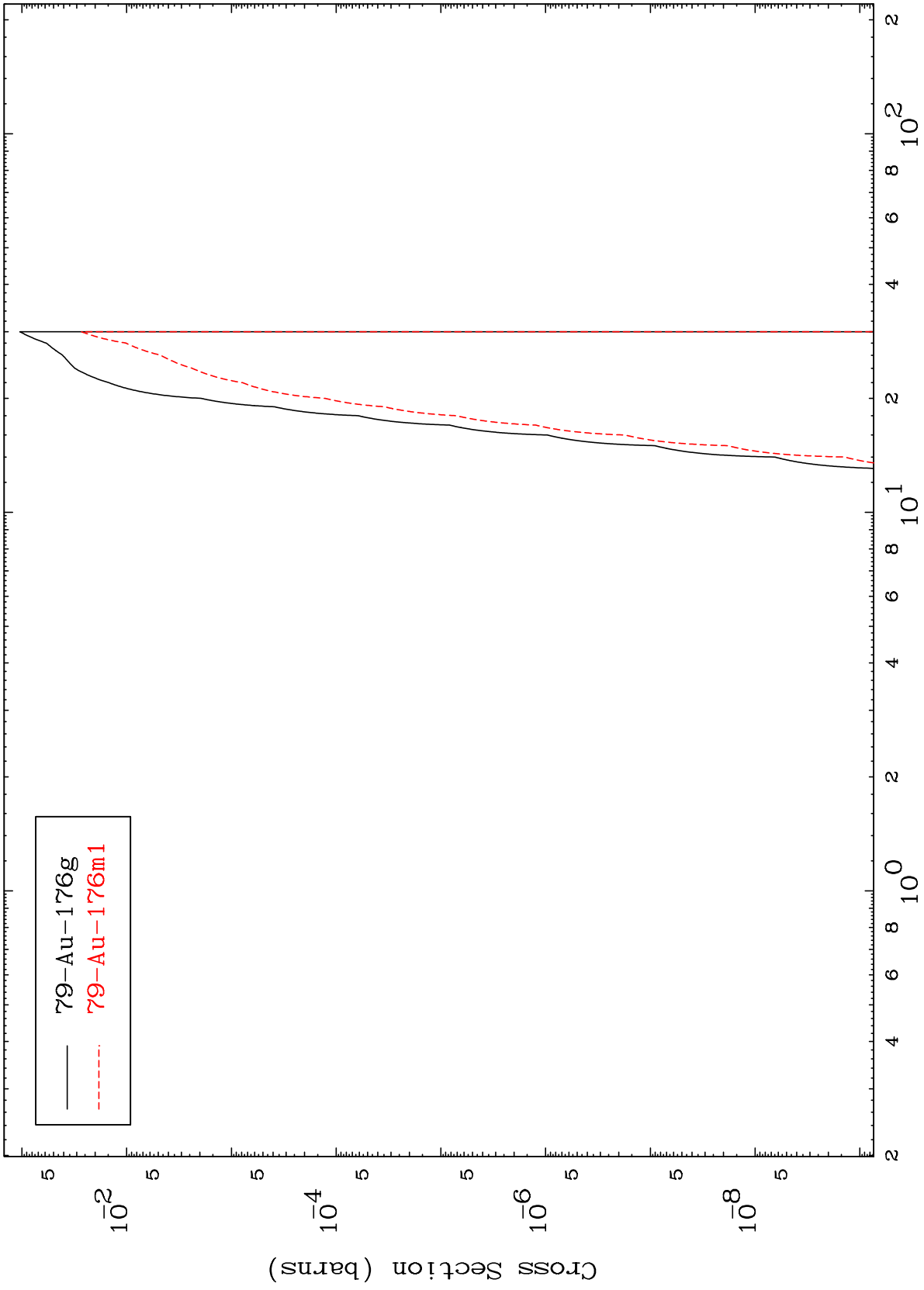
Incident Energy (MeV)

$^{79}\text{Au-176}$

MAT 7862

<sup>79</sup>Au-176

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



14

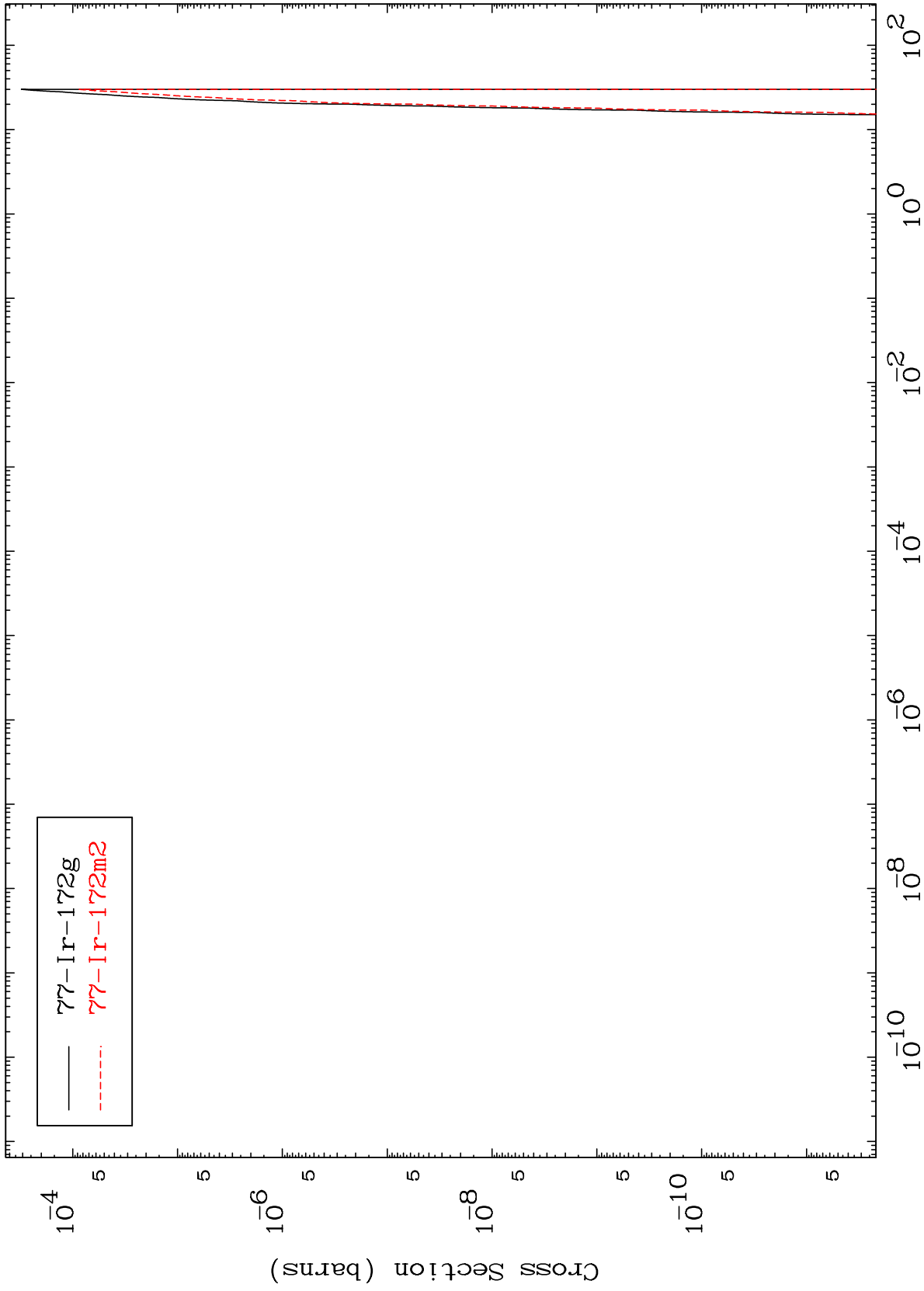
<sup>79</sup>Au-176

MAT 7862

( $\alpha, 2\alpha$ )

<sup>79</sup>Au-176

Radionuclide Production Cross Section



15

Incident Energy (MeV)

<sup>79</sup>Au-176

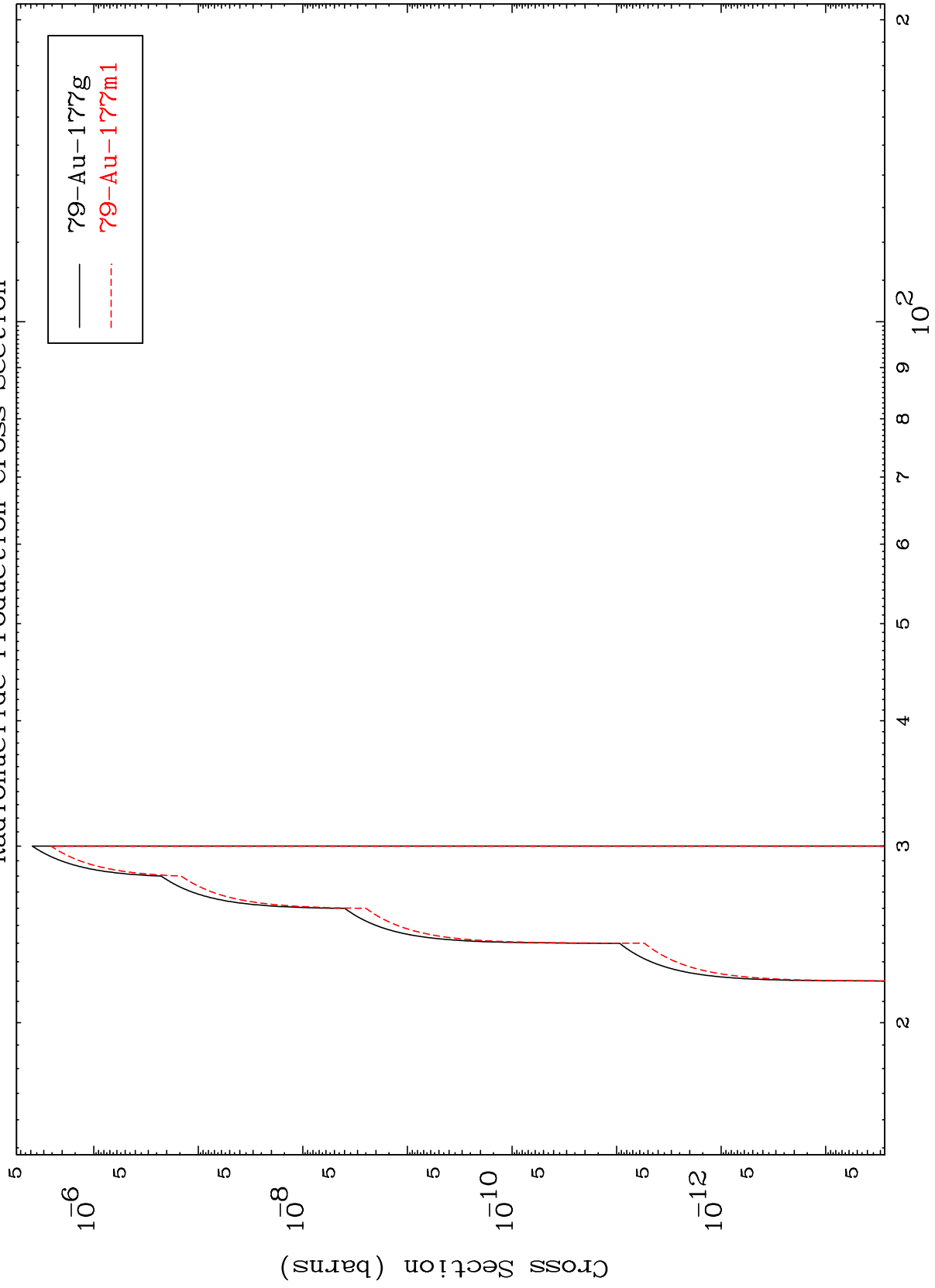


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( $\alpha, p$ ) d

<sup>79</sup>Au-176

Radionuclide Production Cross Section



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

16

Incident Energy (MeV)

<sup>79</sup>Au-176