

Program EVALPLOT  
(Version 2018-1)

by

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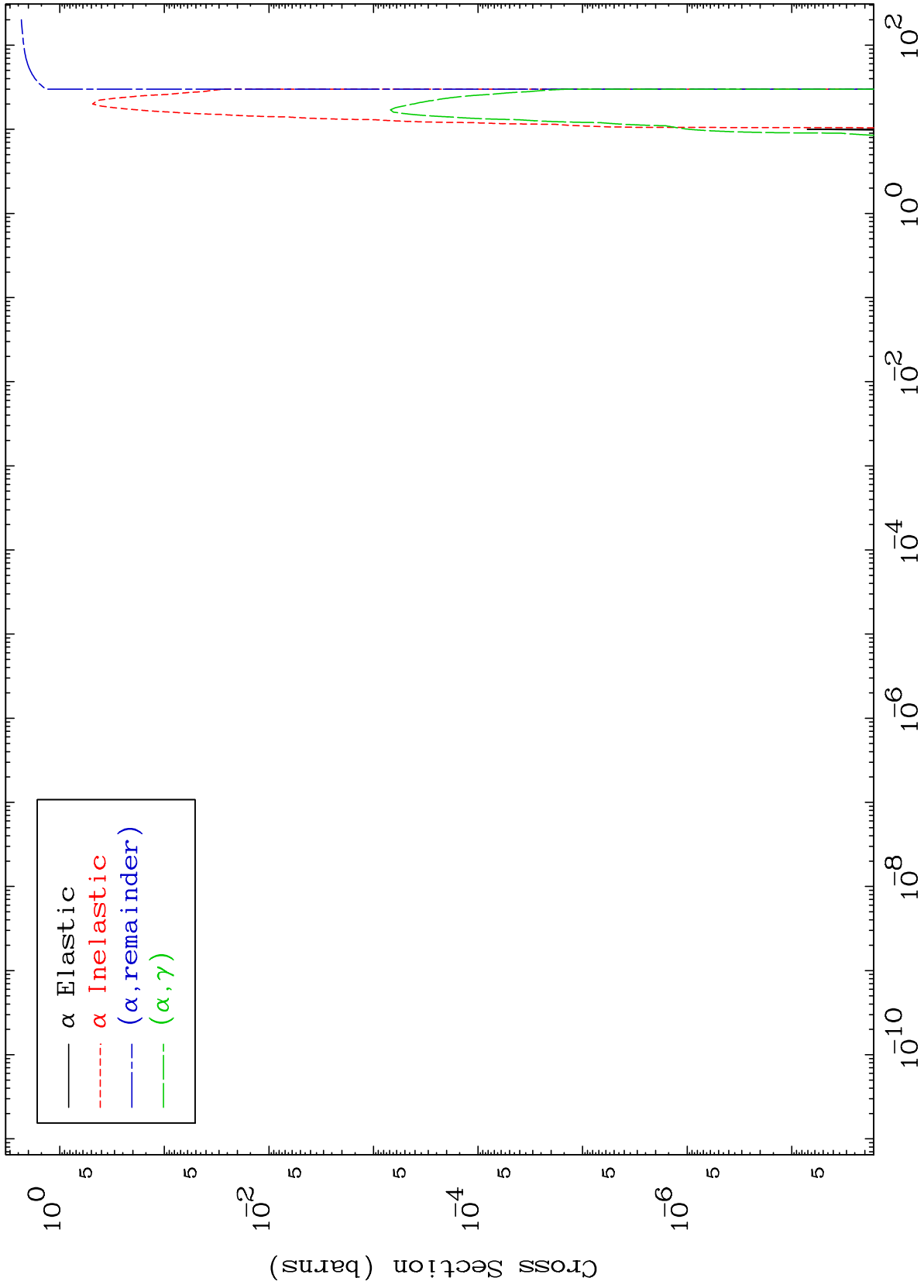
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 5825

0 Kelvin  $\alpha$  Major  
Cross Sections

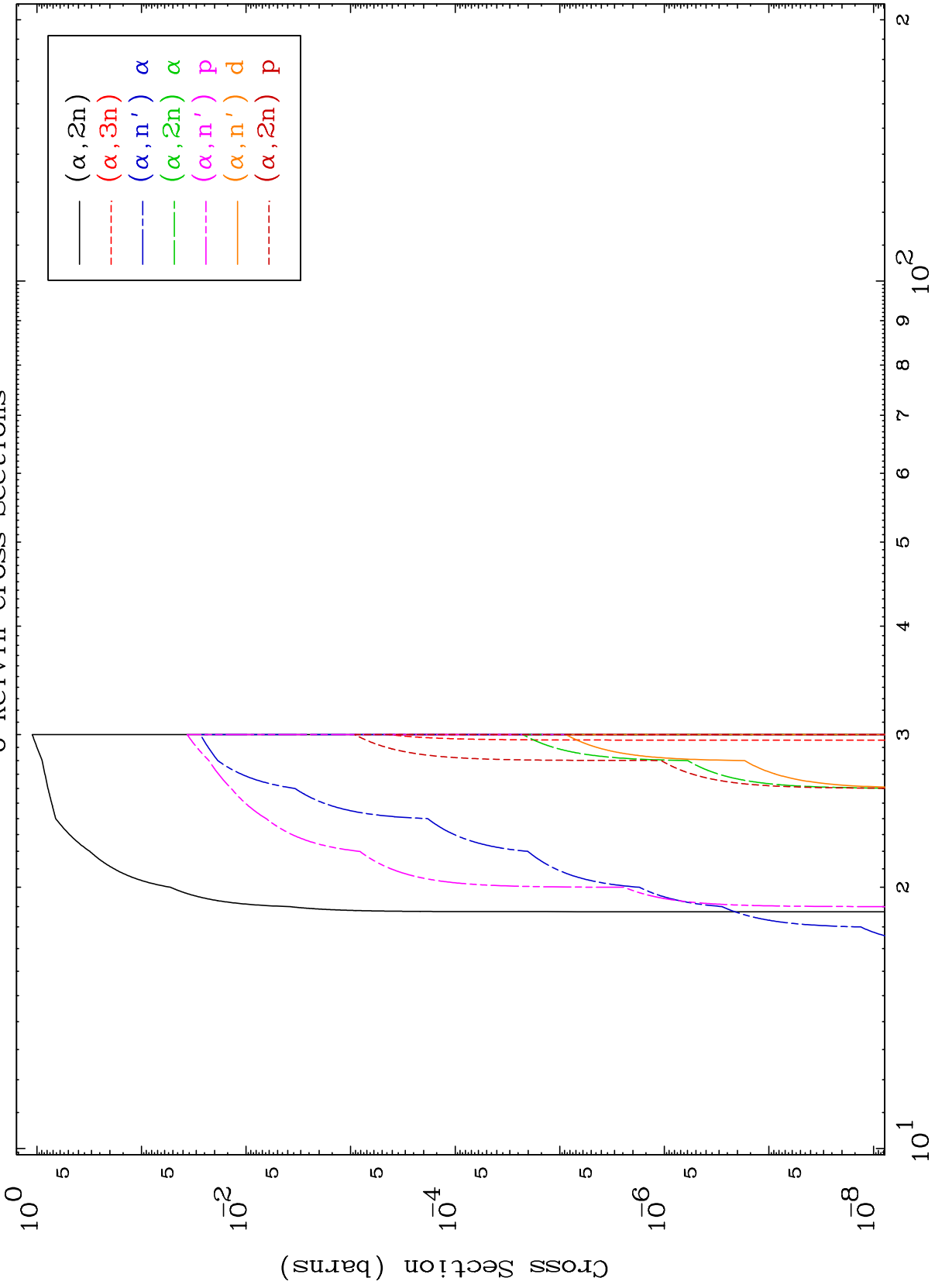
58-Ce-136



MAT 5825

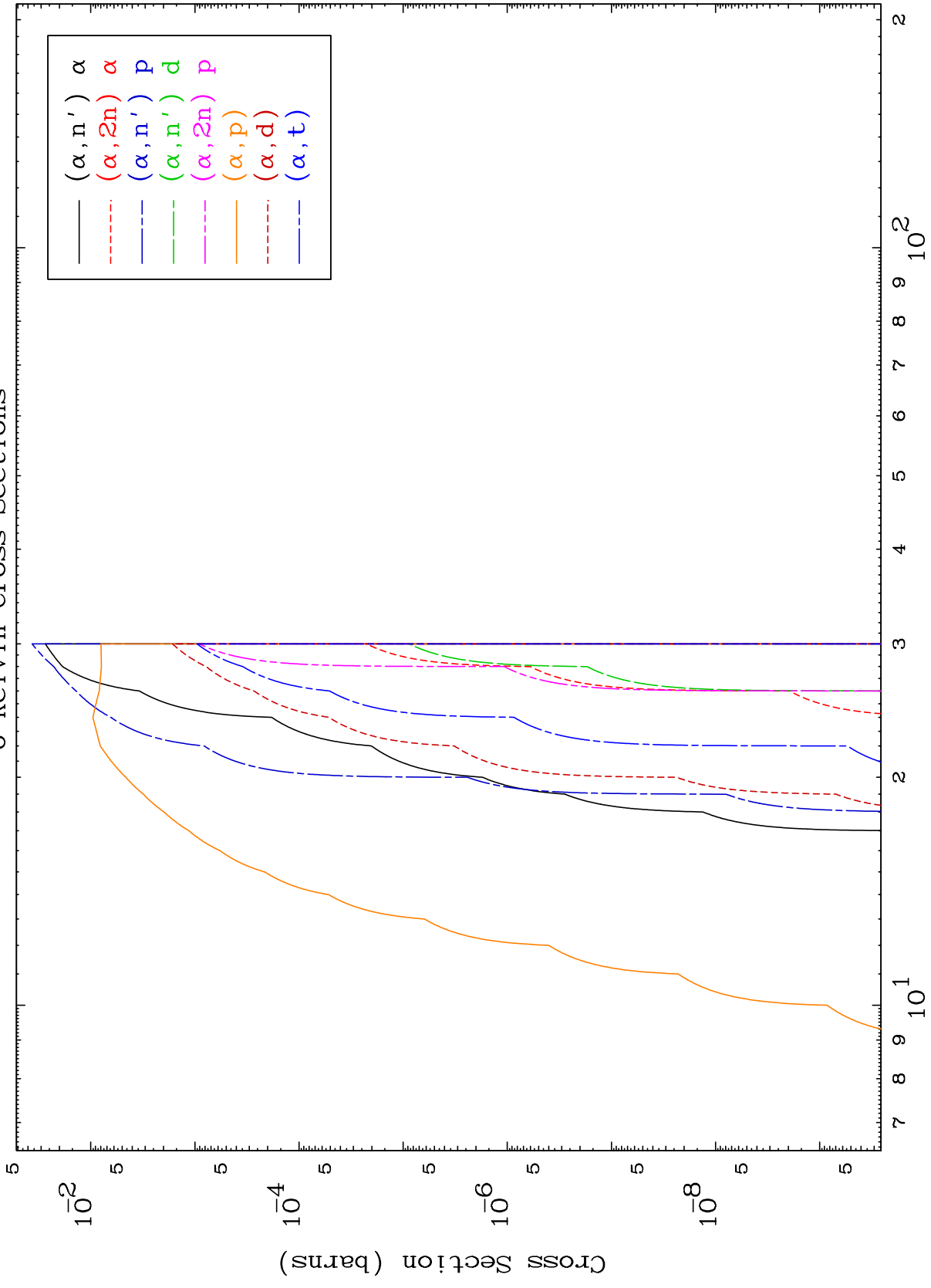
$\alpha$  Neutron Production  
0 Kelvin Cross Sections

58-Ce-136



Incident Energy (MeV)

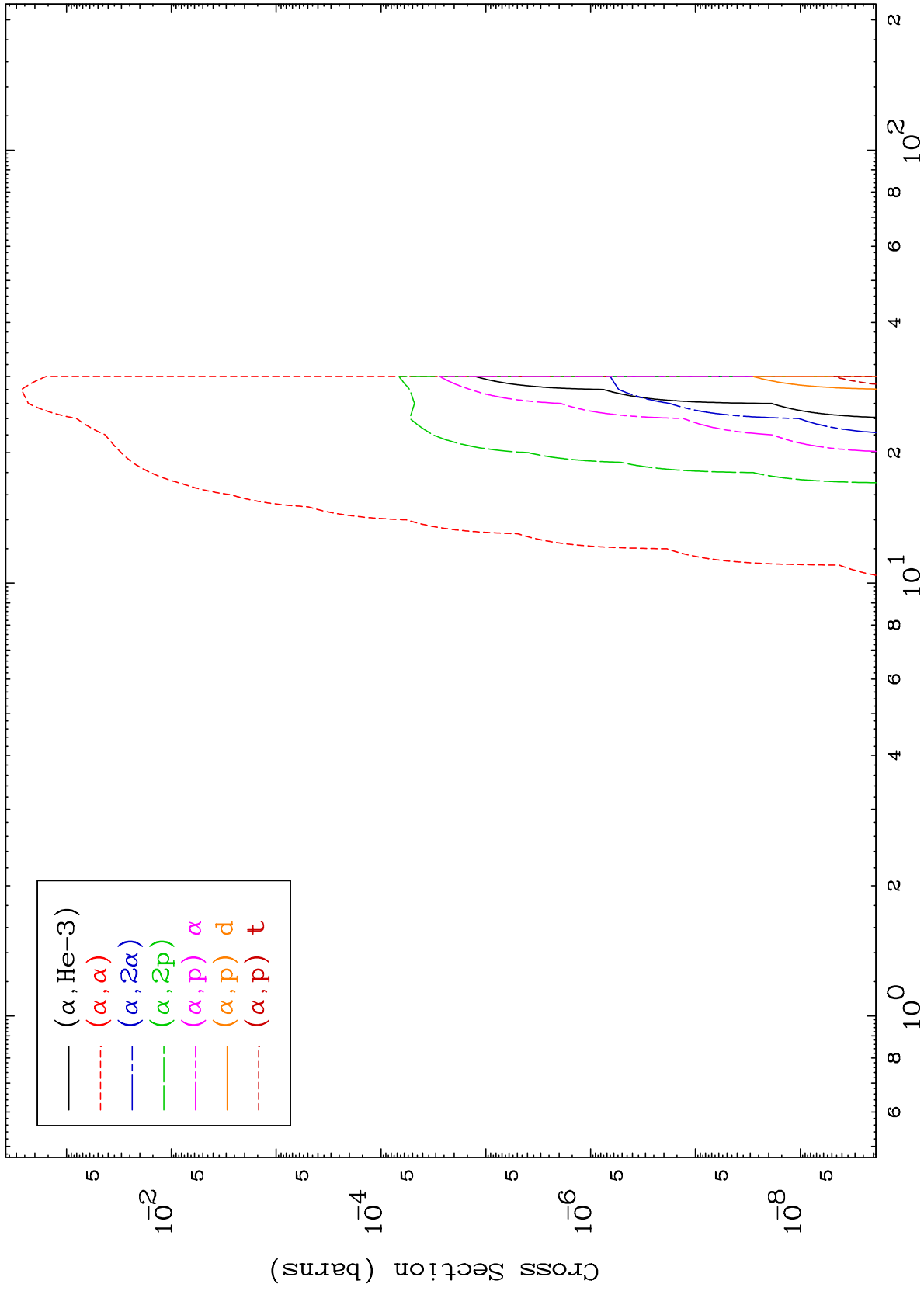
58-Ce-136



MAT 5825

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

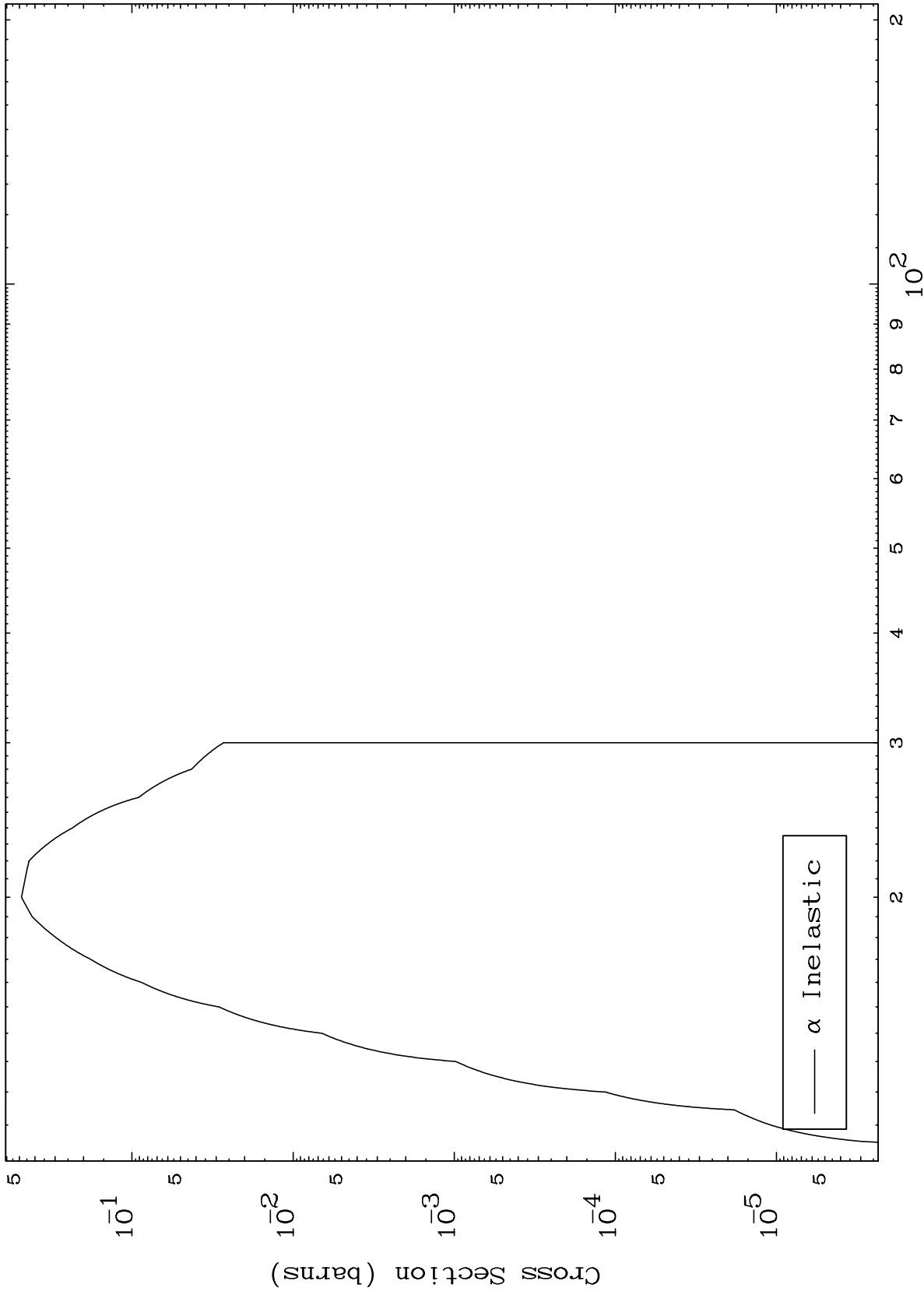
58-Ce-136



MAT 5825

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

58-Ce-136



5

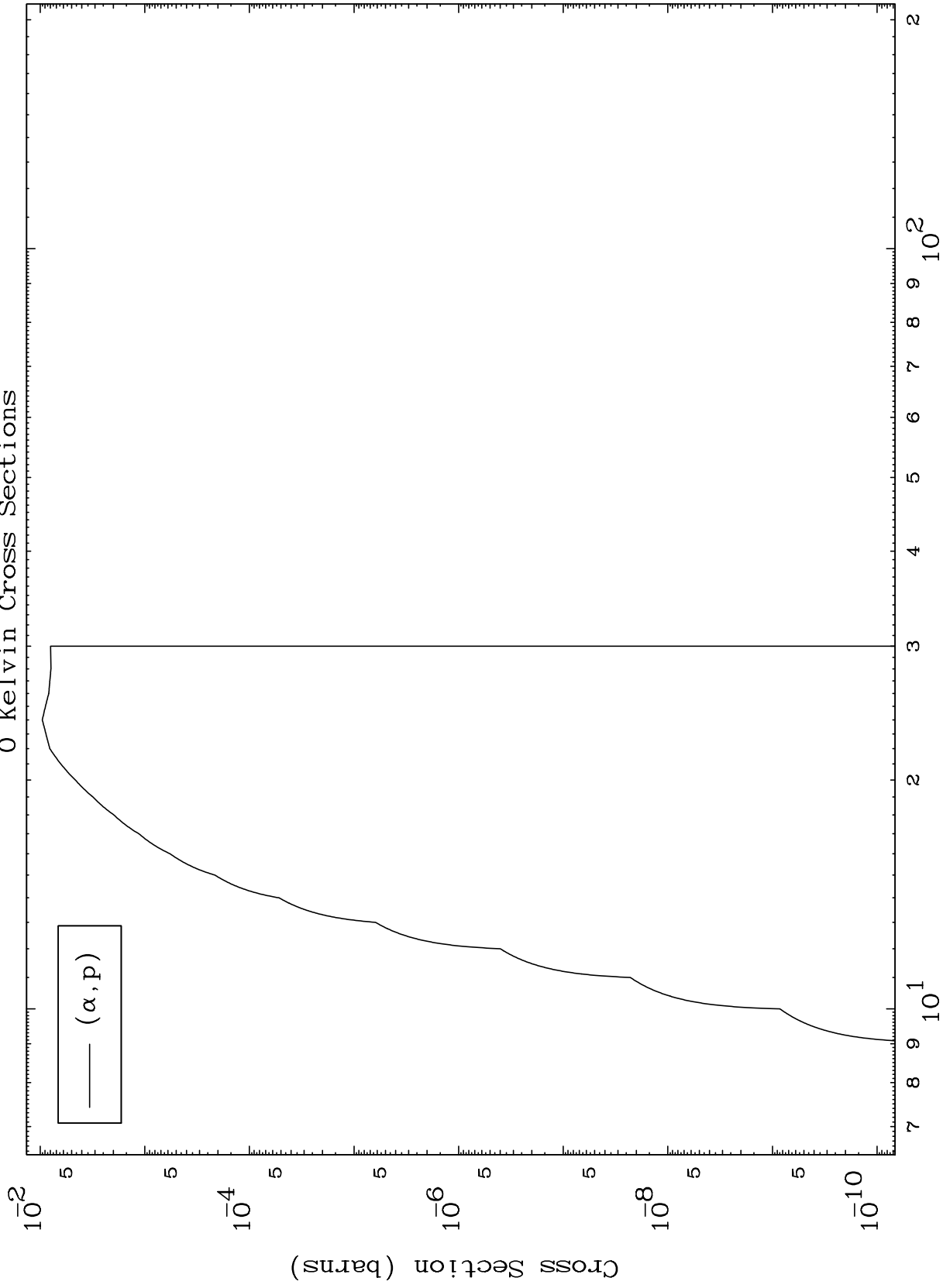
Incident Energy (MeV)

58-Ce-136

MAT 5825

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

58-Ce-136



6

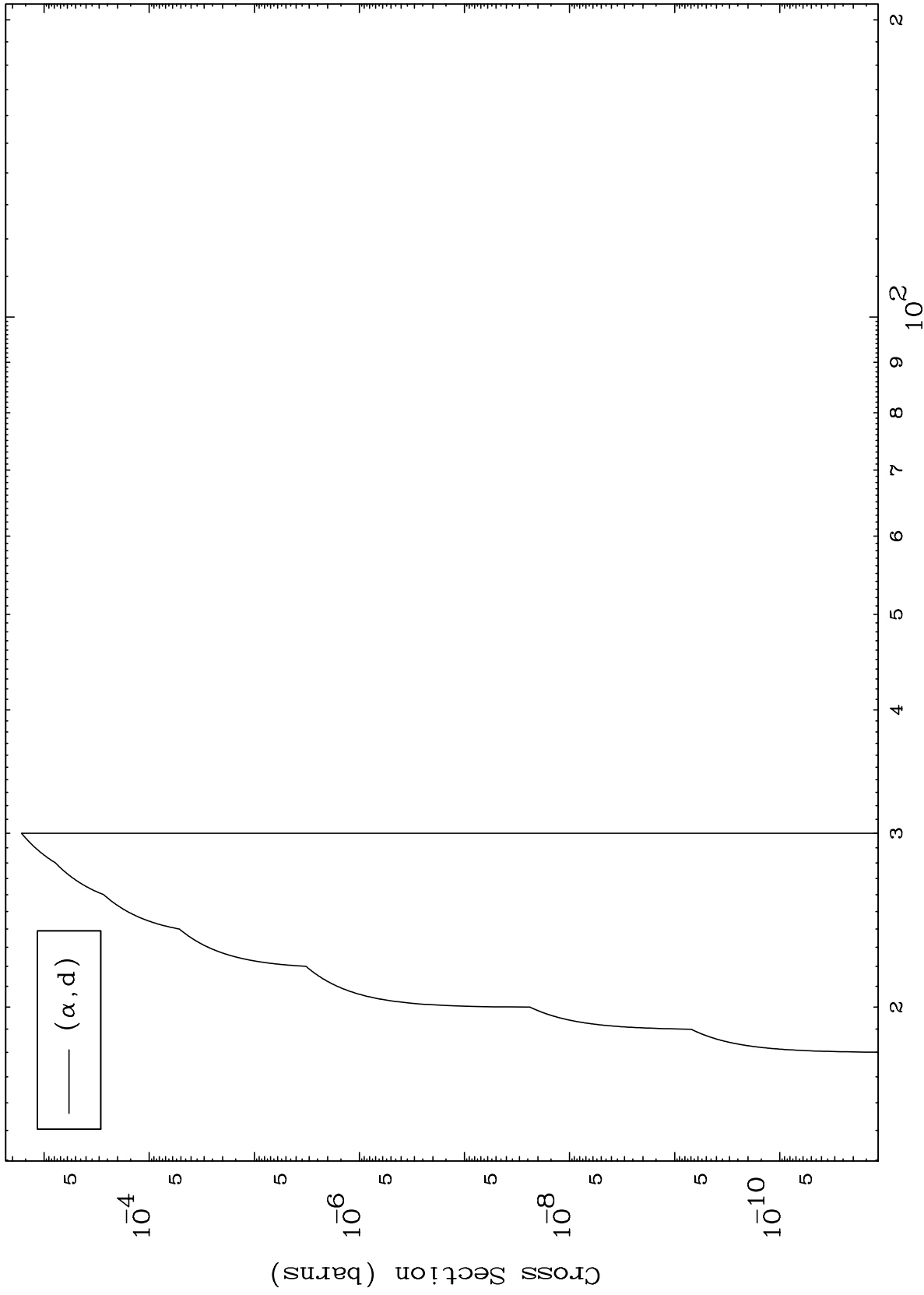
Incident Energy (MeV)

58-Ce-136

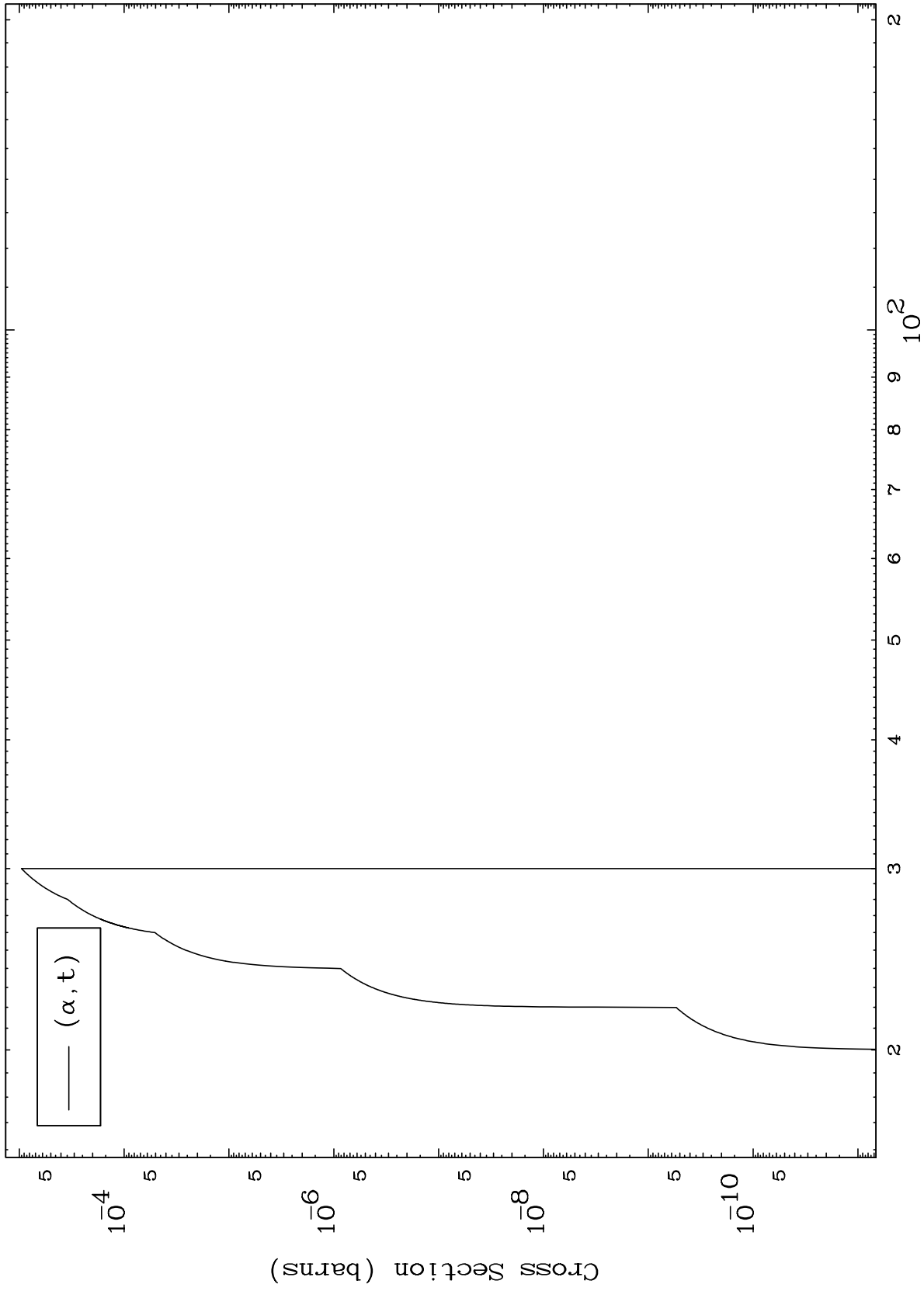
MAT 5825

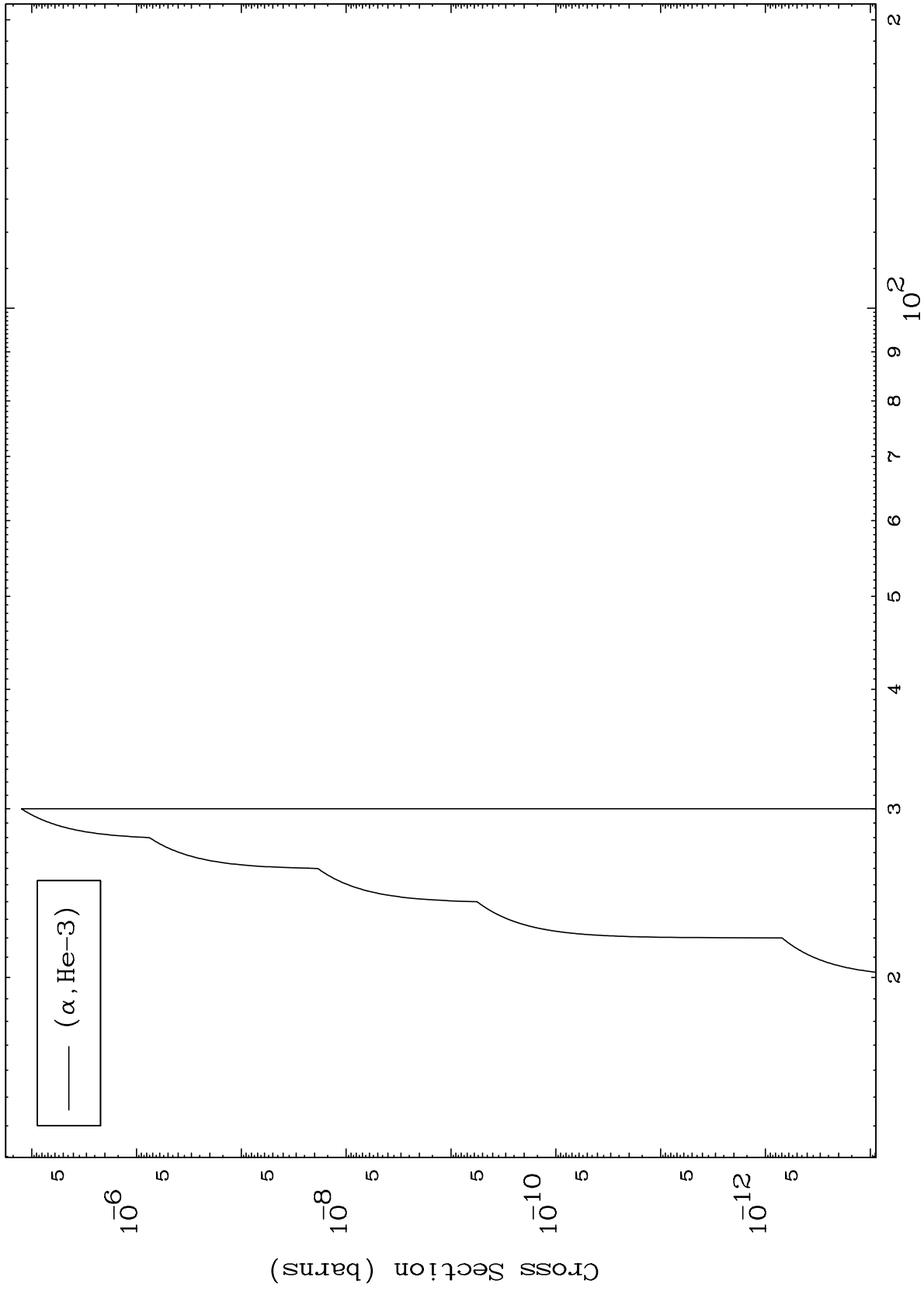
( $\alpha, d$ ) Levels  
0 Kelvin Cross Sections

58-Ce-136





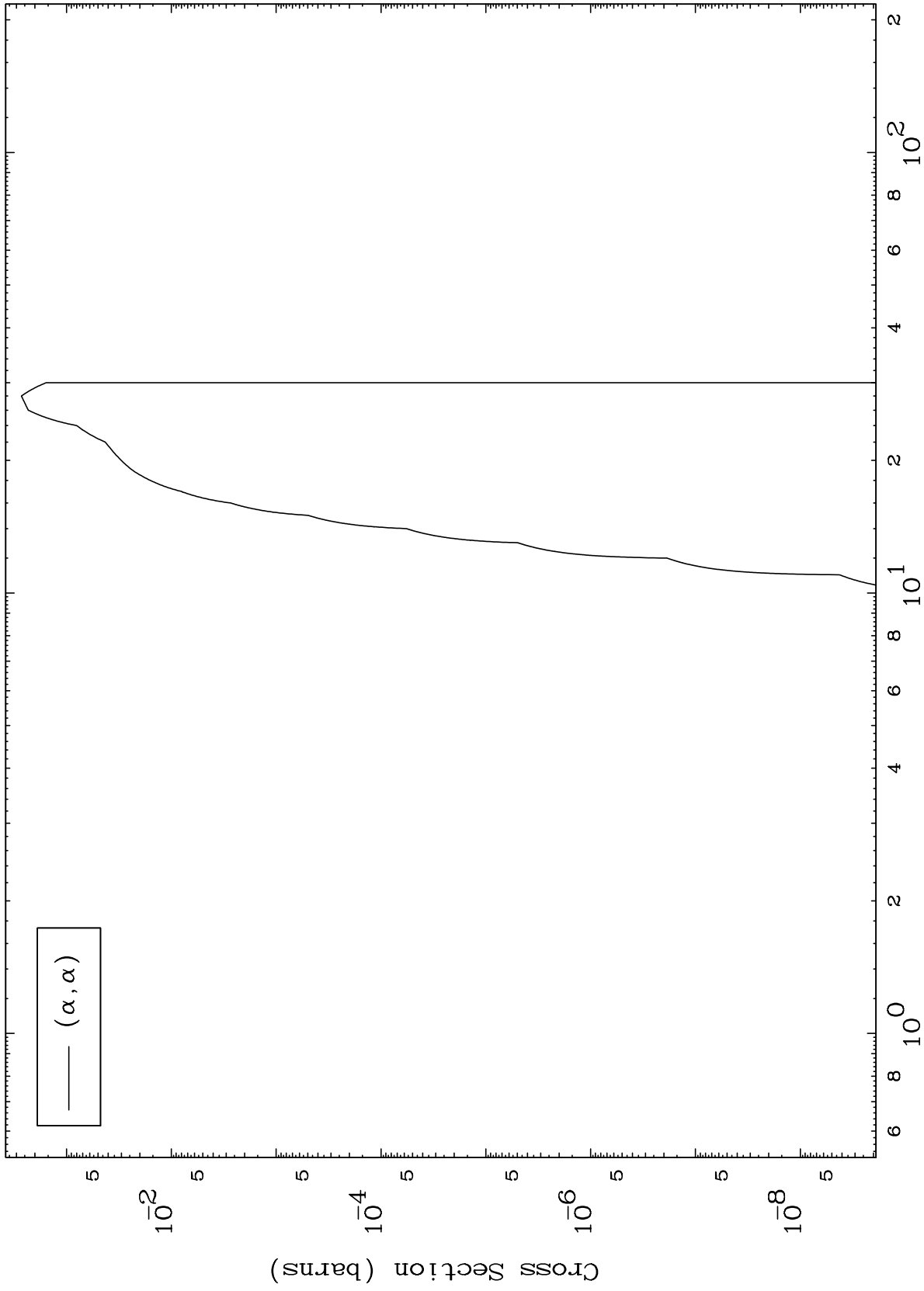




MAT 5825

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

58-Ce-136

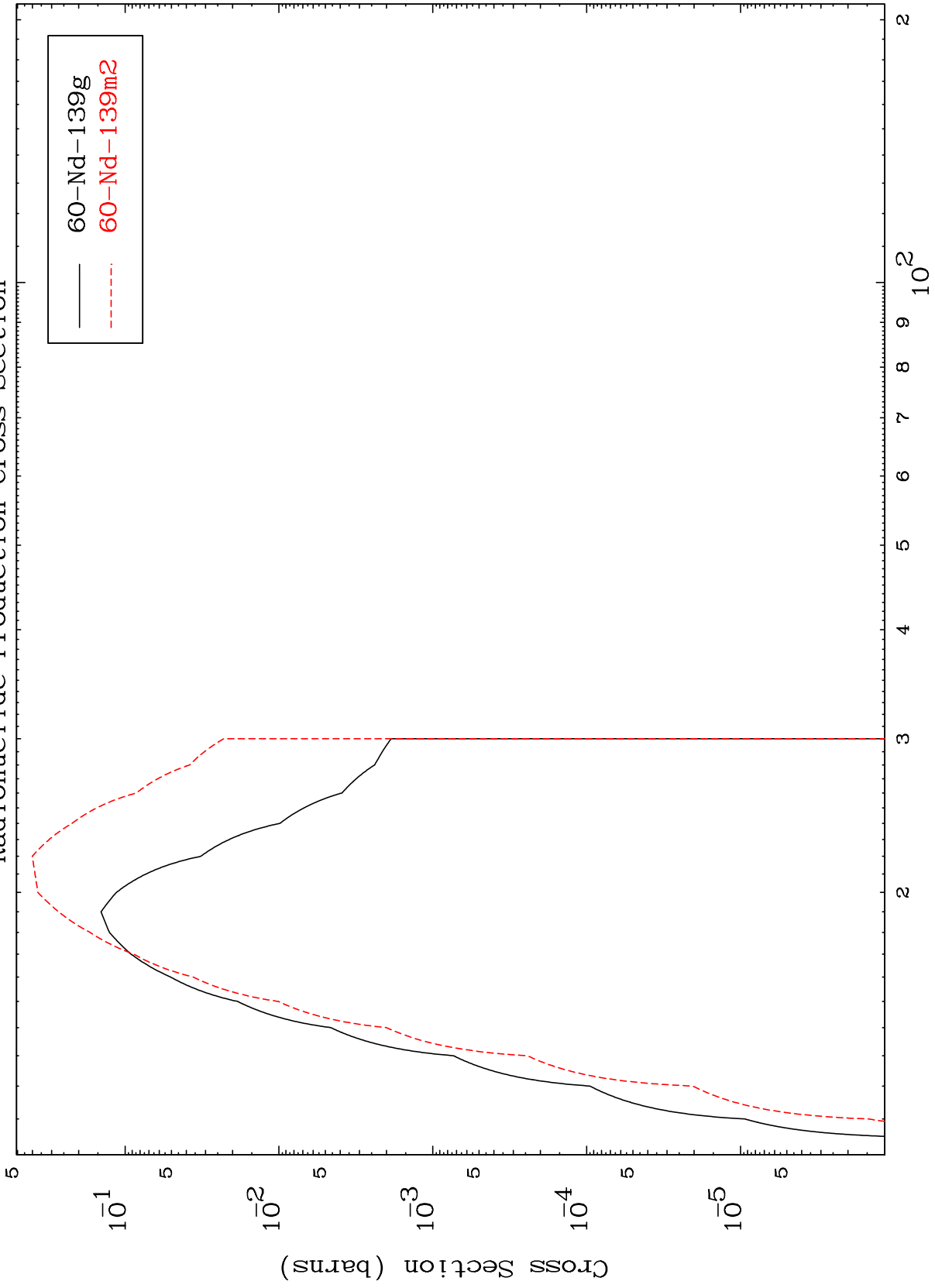


10

Incident Energy (MeV)

58-Ce-136

$\alpha$  Inelastic  
Radionuclide Production Cross Section

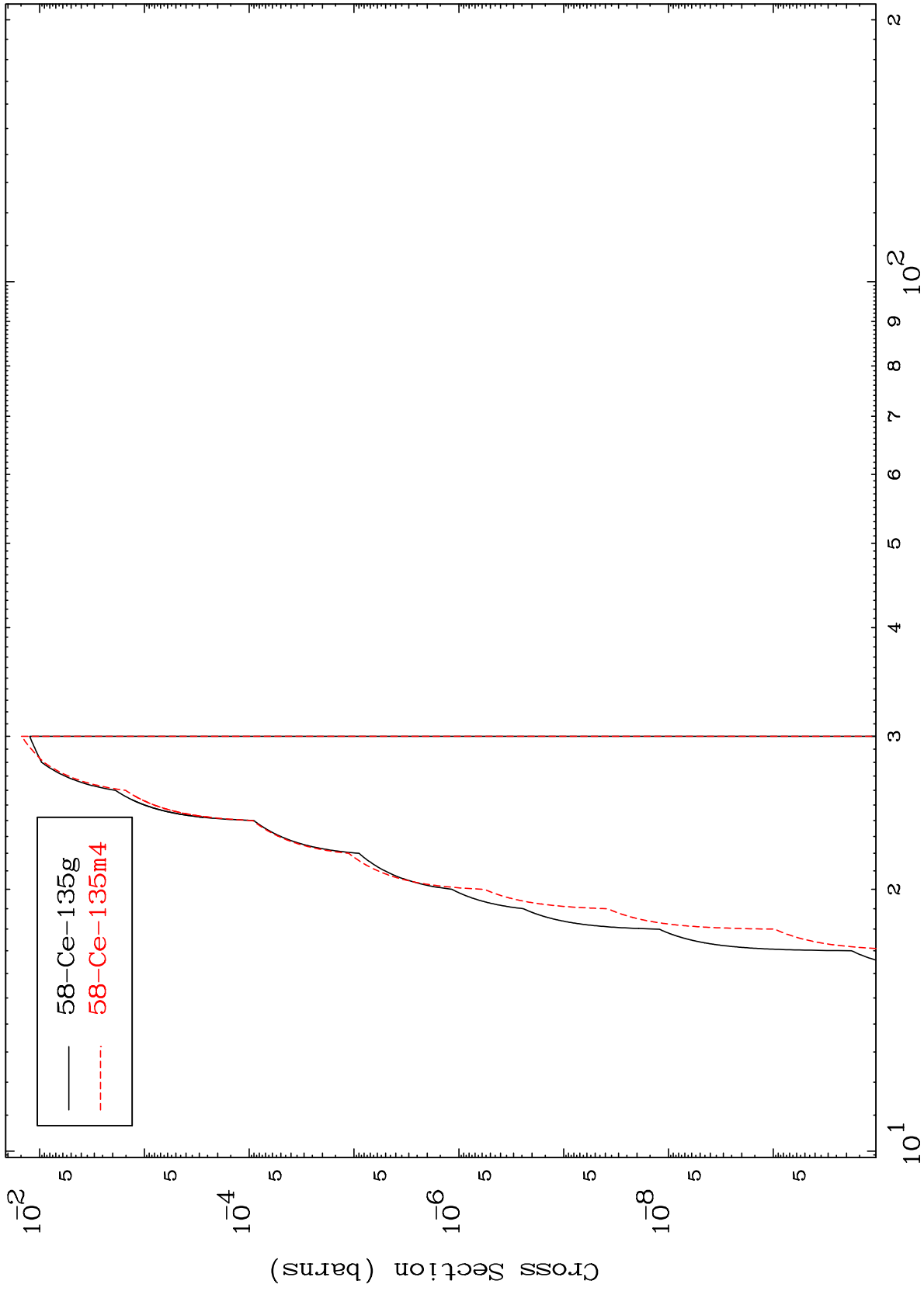


MAT 5825

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

58-Ce-136

Radionuclide Production Cross Section



10<sup>1</sup>

10<sup>2</sup>

Incident Energy (MeV)

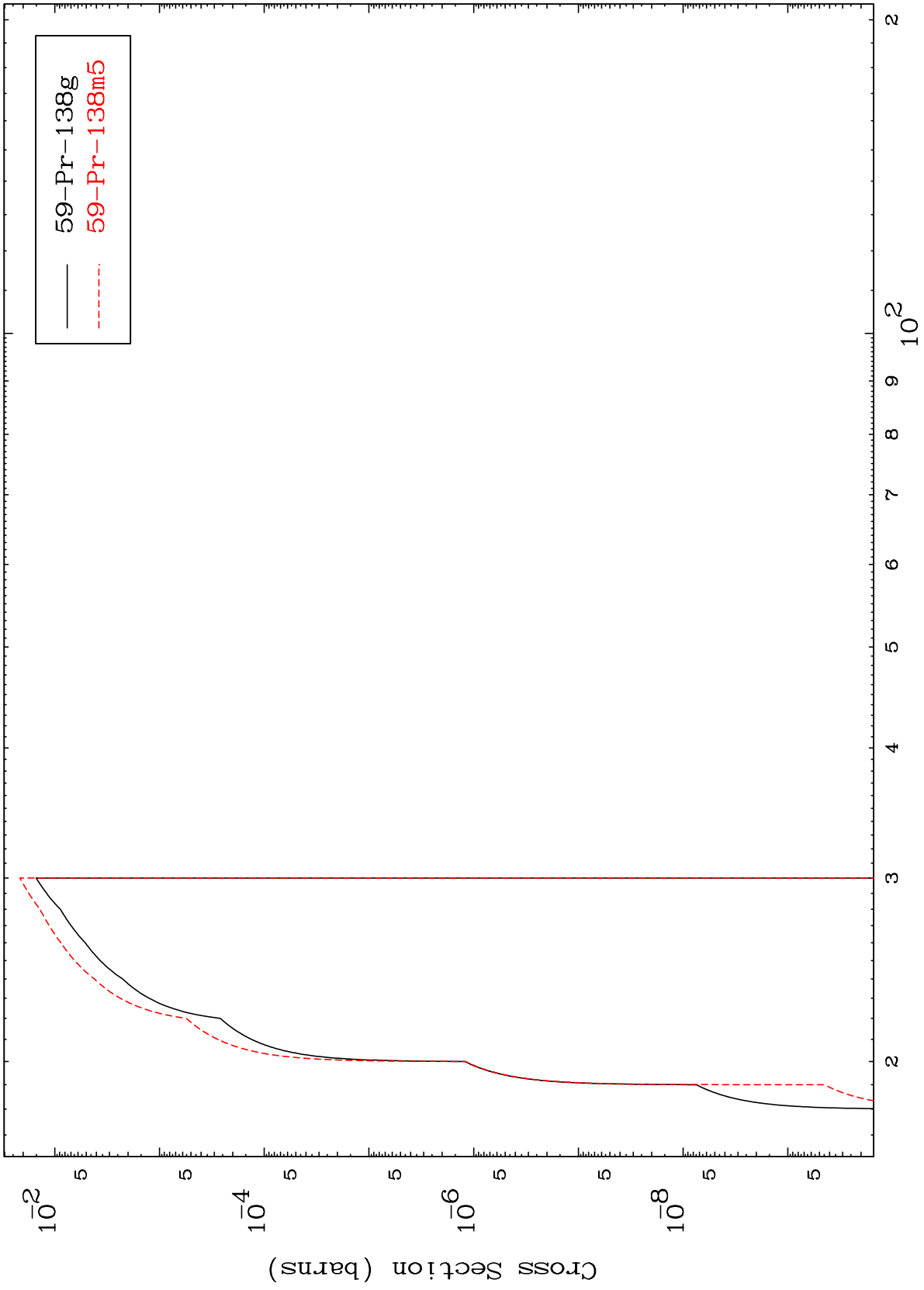
58-Ce-136

MAT 5825

( $\alpha, n'$ ) p

58-Ce-136

Radionuclide Production Cross Section



13

Incident Energy (MeV)

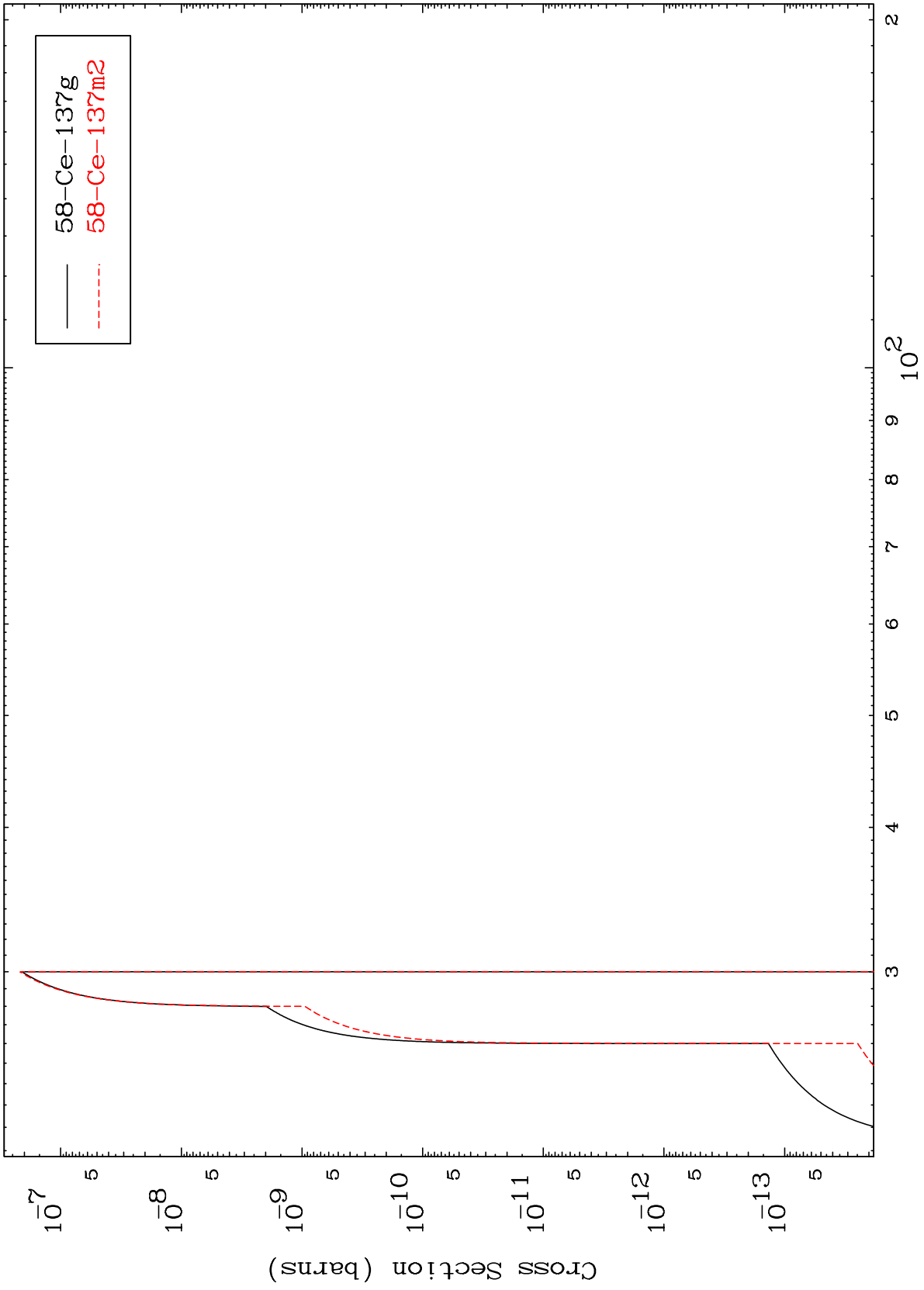
58-Ce-136

MAT 5825

( $\alpha, 2n$ ) p

58-Ce-136

Radionuclide Production Cross Section



14

Incident Energy (MeV)

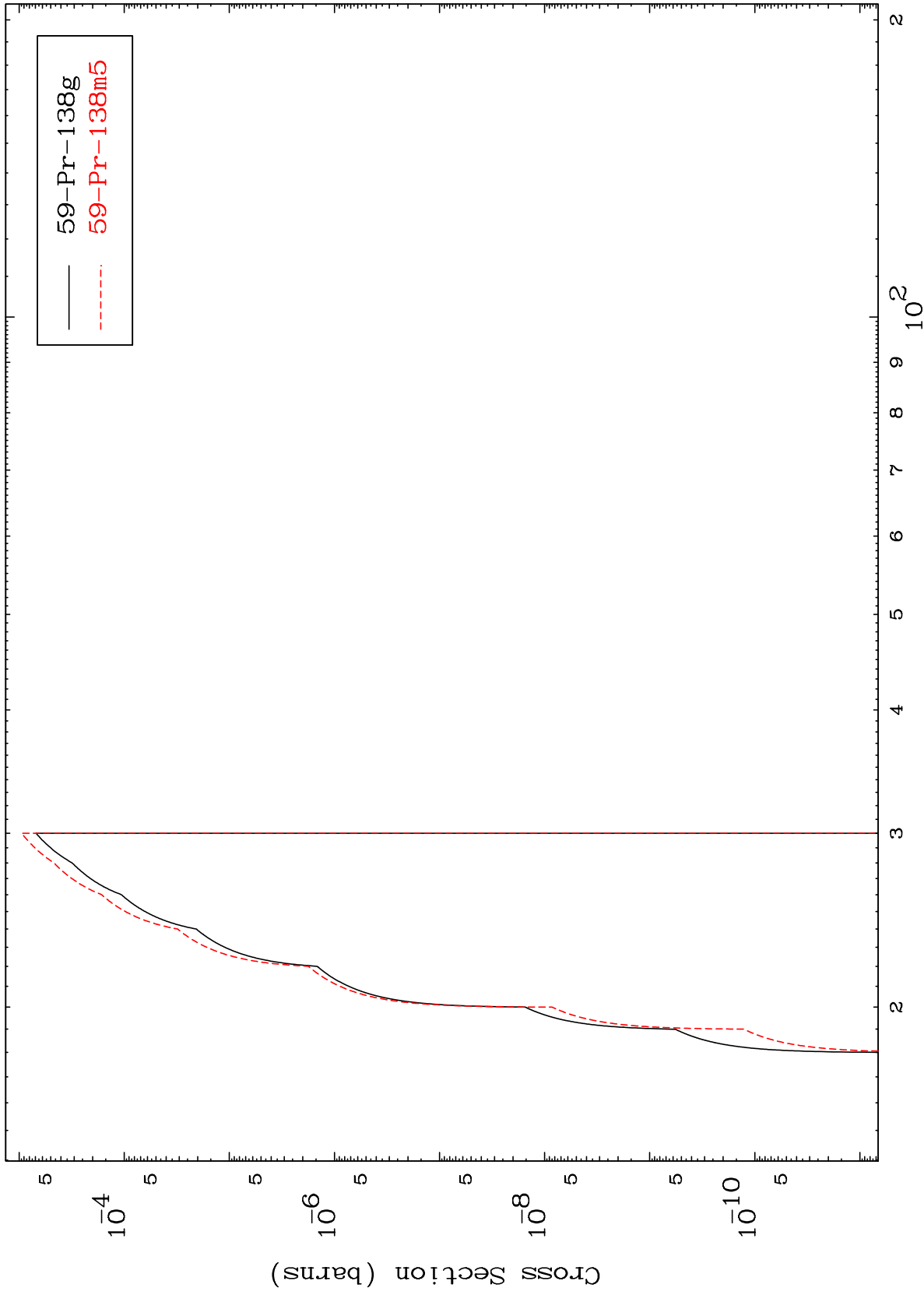
58-Ce-136

MAT 5825

( $\alpha, d$ )

58-Ce-136

Radionuclide Production Cross Section



15

Incident Energy (MeV)

58-Ce-136

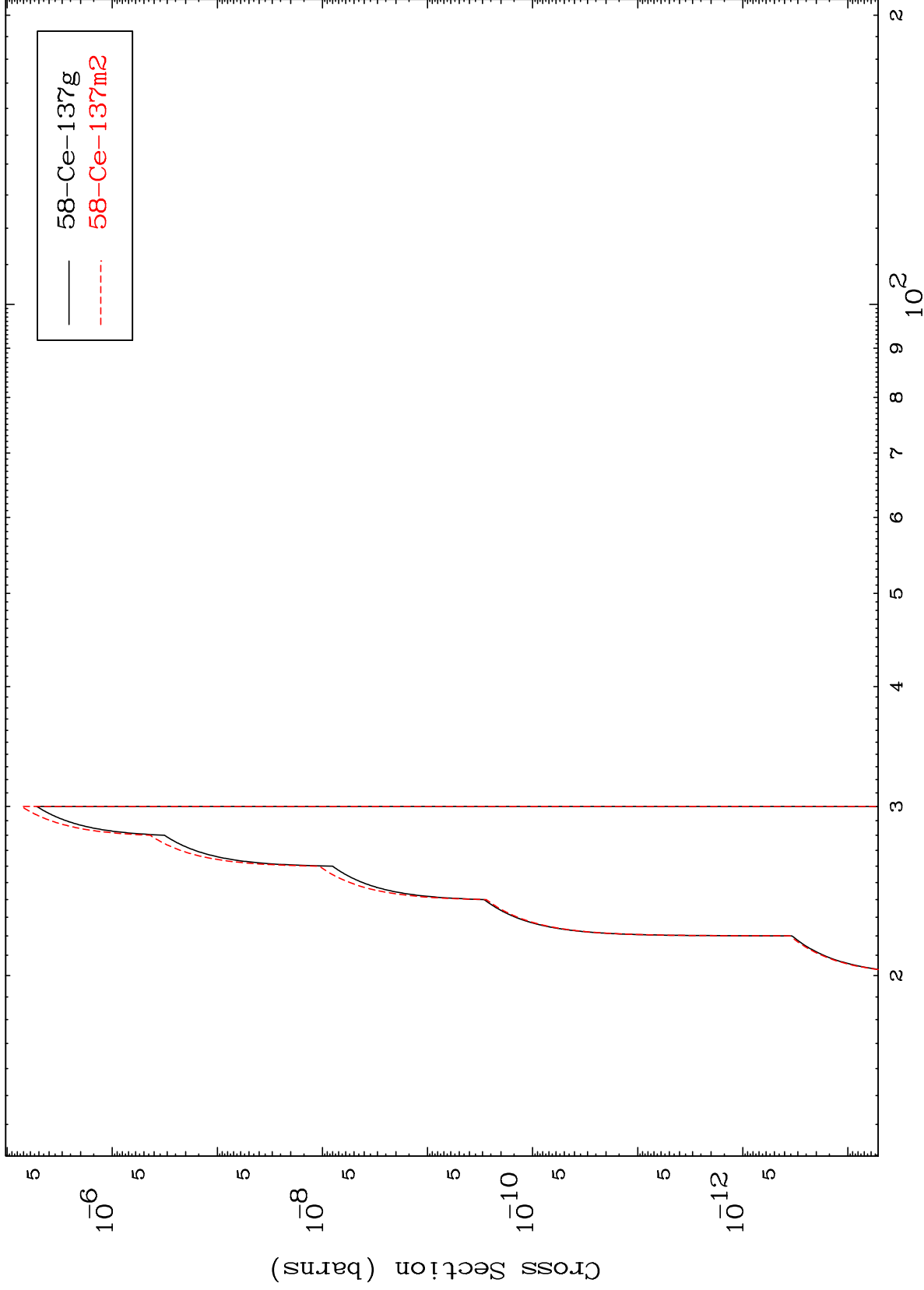


MAT 5825

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

58-Ce-136

Radionuclide Production Cross Section



16

Incident Energy (MeV)

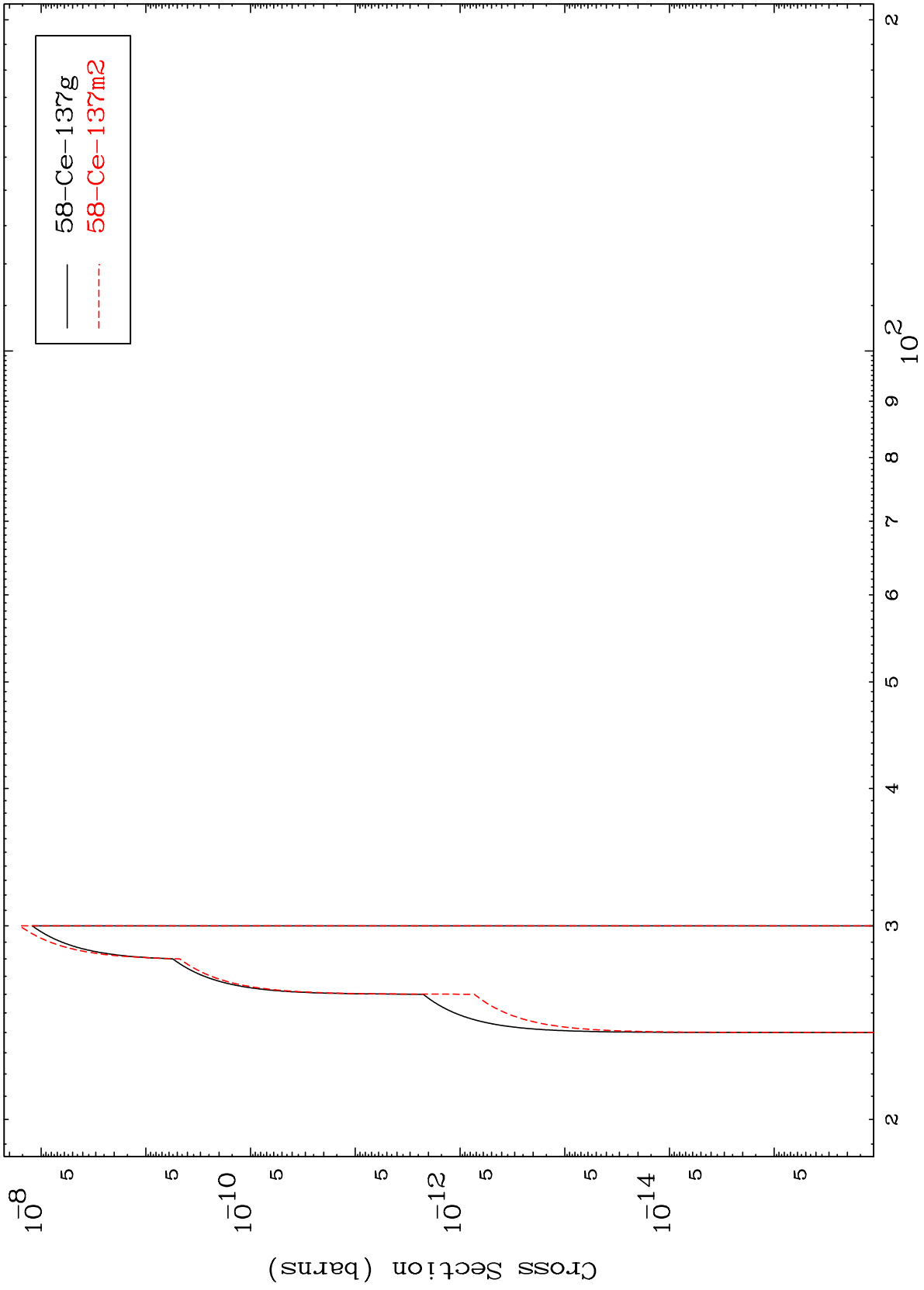
58-Ce-136

MAT 5825

( $\alpha, p$ ) d

58-Ce-136

Radionuclide Production Cross Section



17

Incident Energy (MeV)

58-Ce-136