

Program EVALPLOT  
(Version 2018-1)

by

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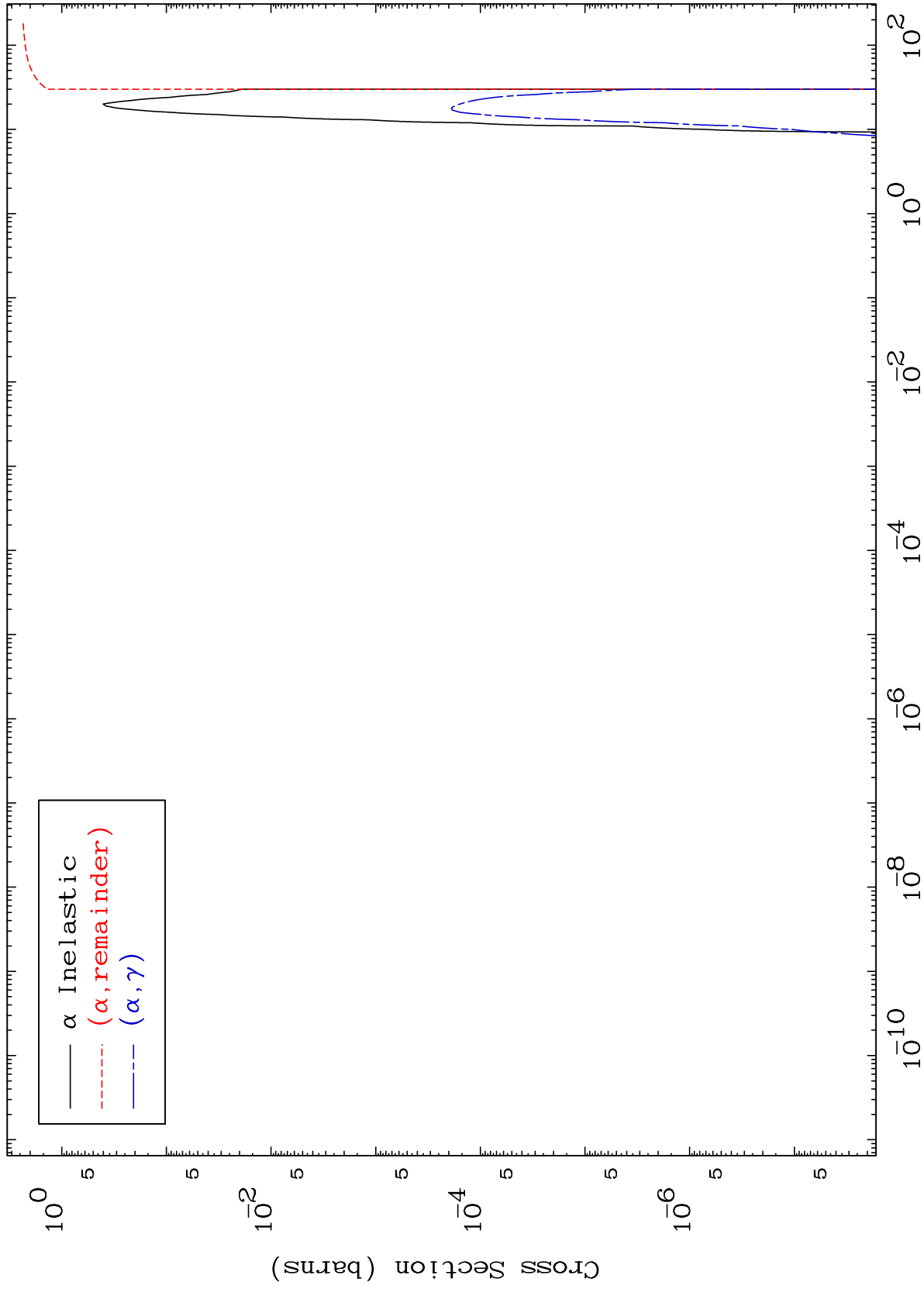
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5831

0 Kelvin  $\alpha$  Major  
Cross Sections

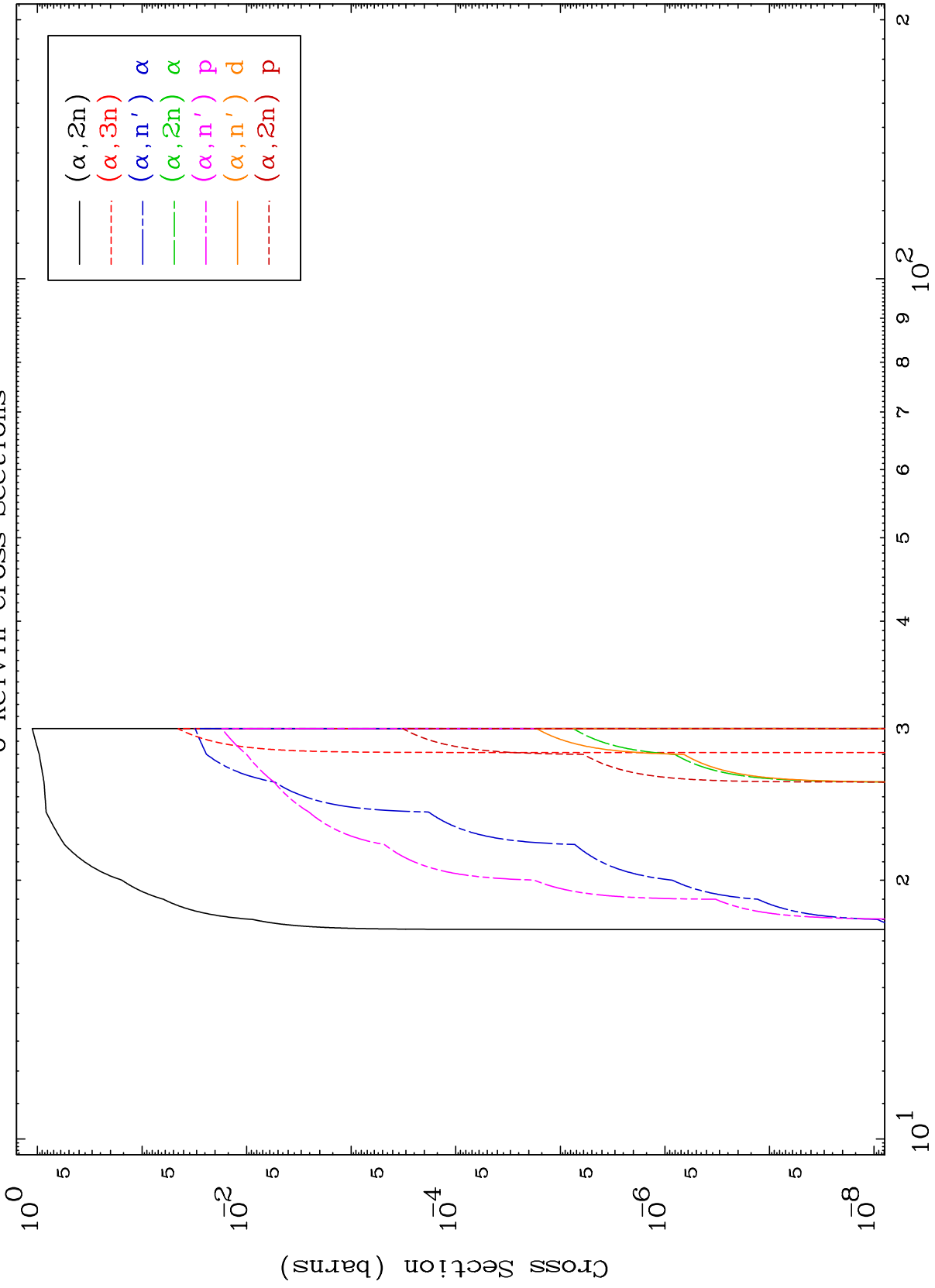
58-Ce-138

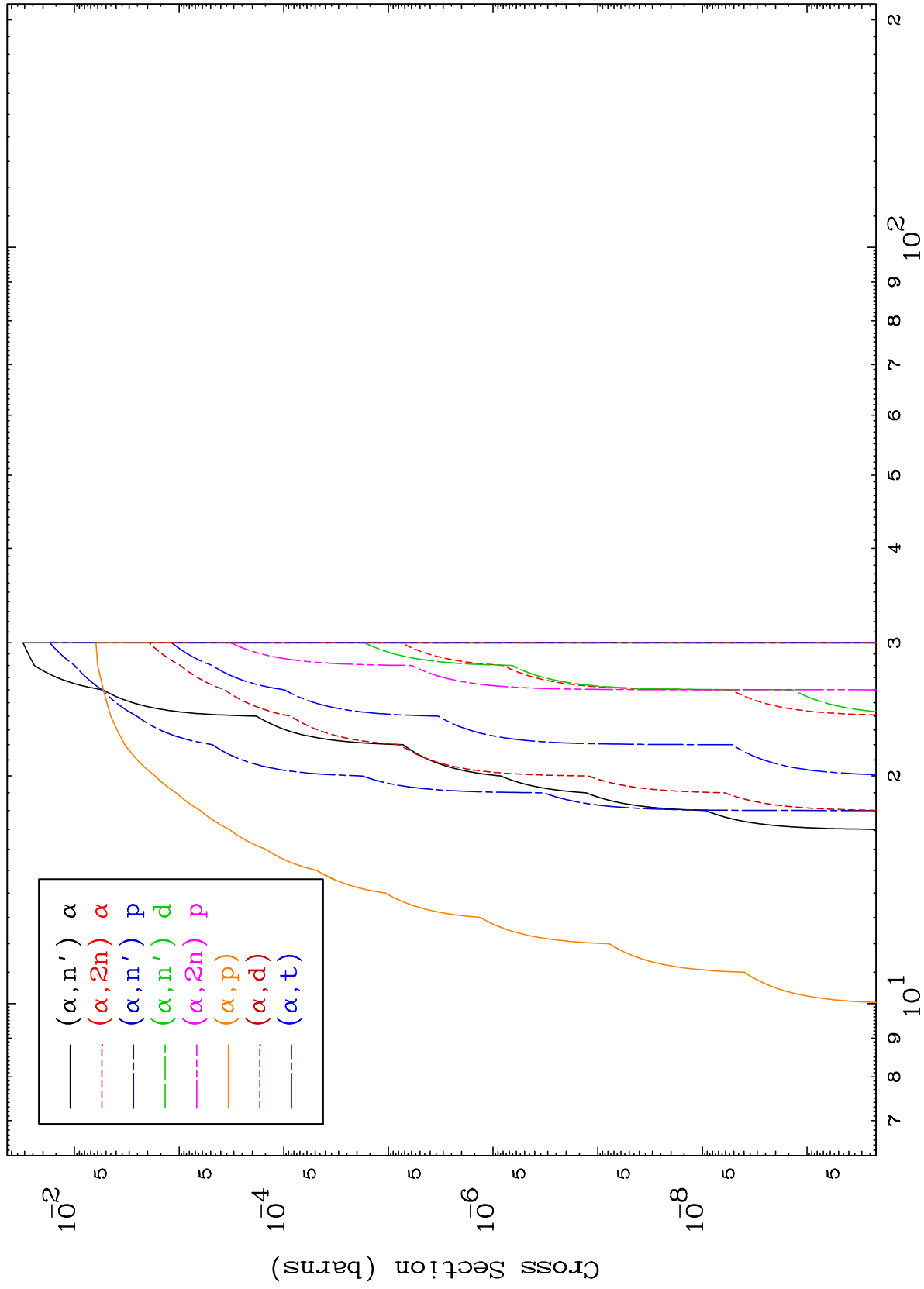


MAT 5831

$\alpha$  Neutron Production  
0 Kelvin Cross Sections

58-Ce-138

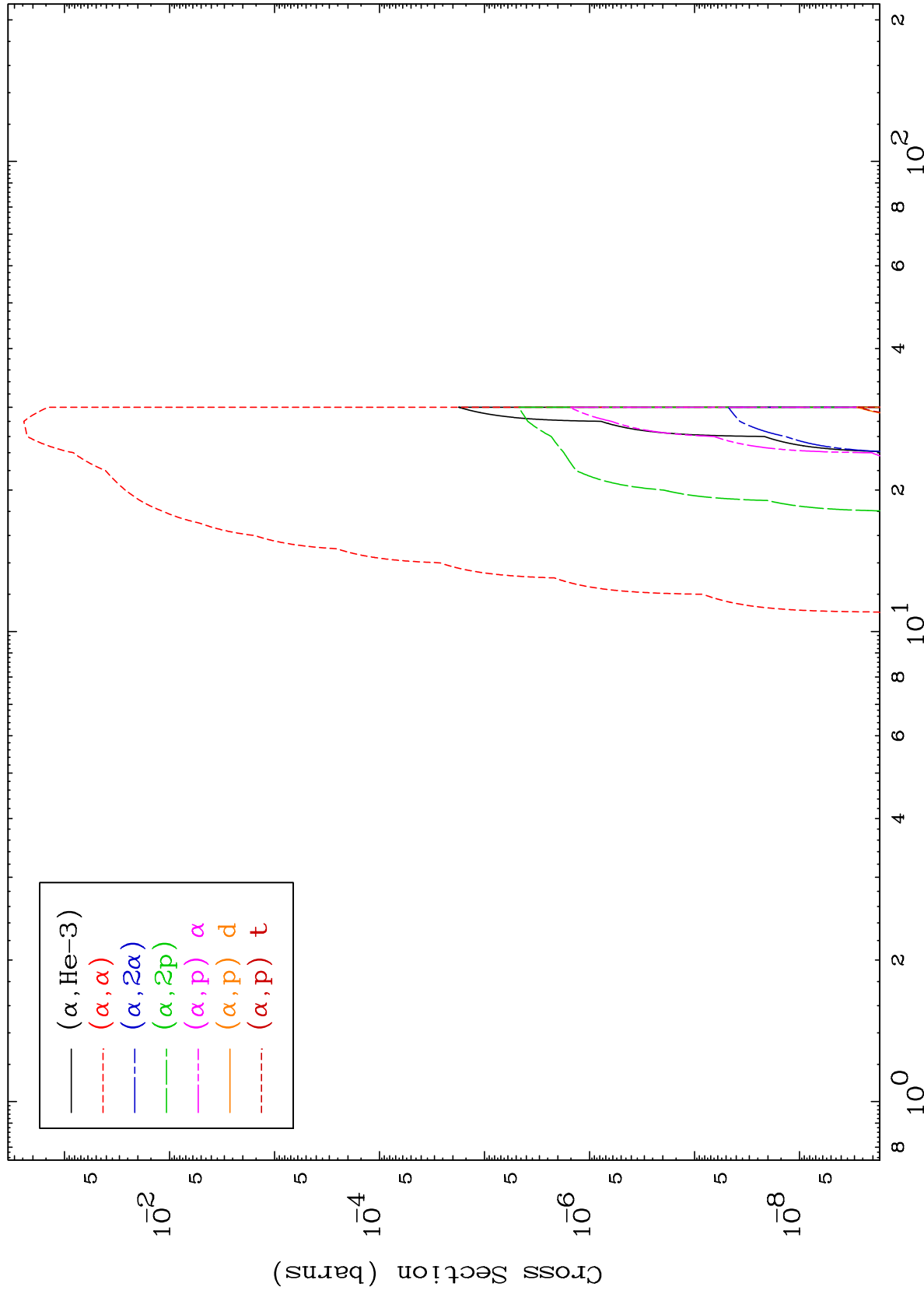




MAT 5831

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

58-Ce-138

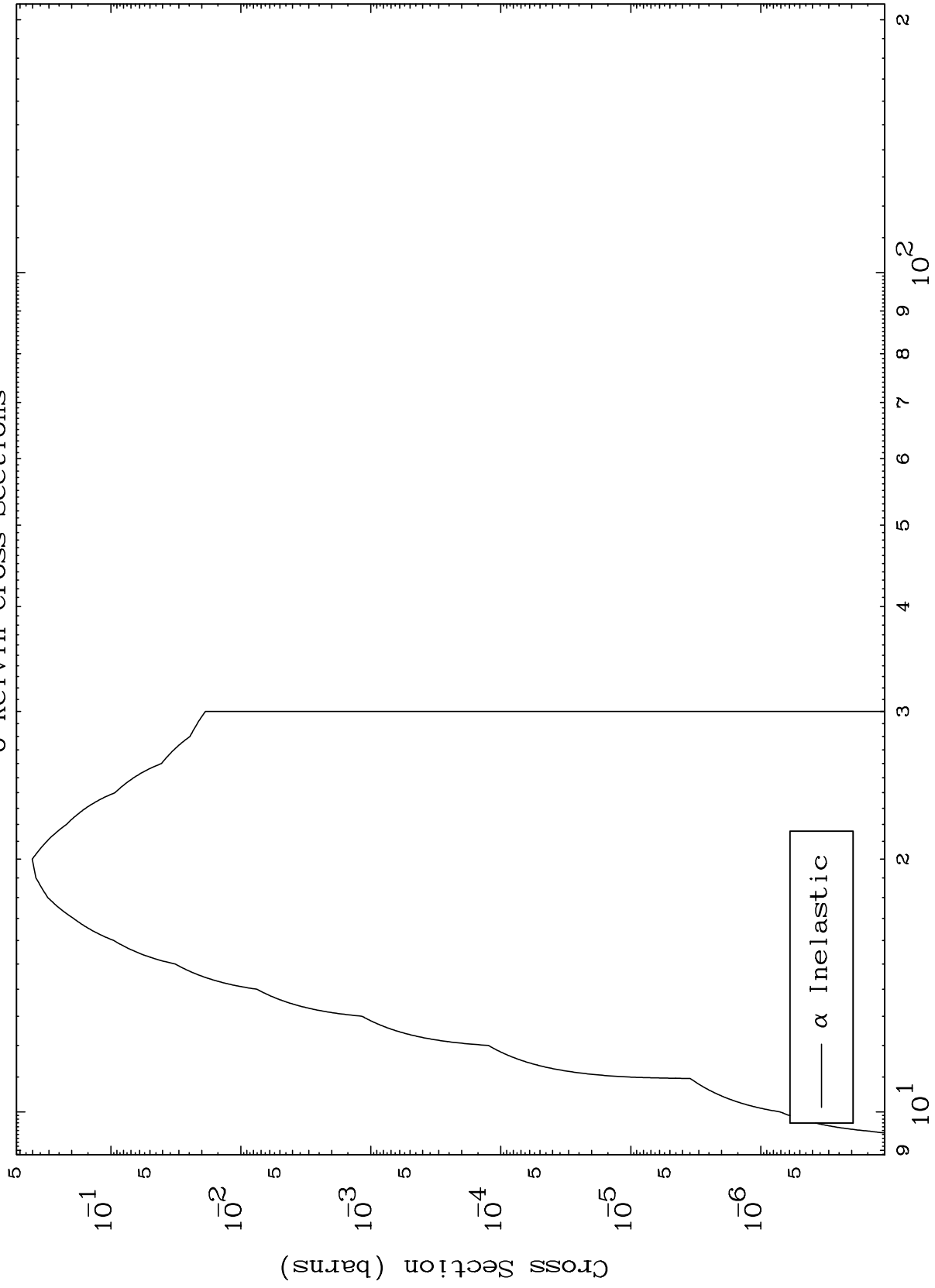


4

MAT 5831

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

58-Ce-138



5

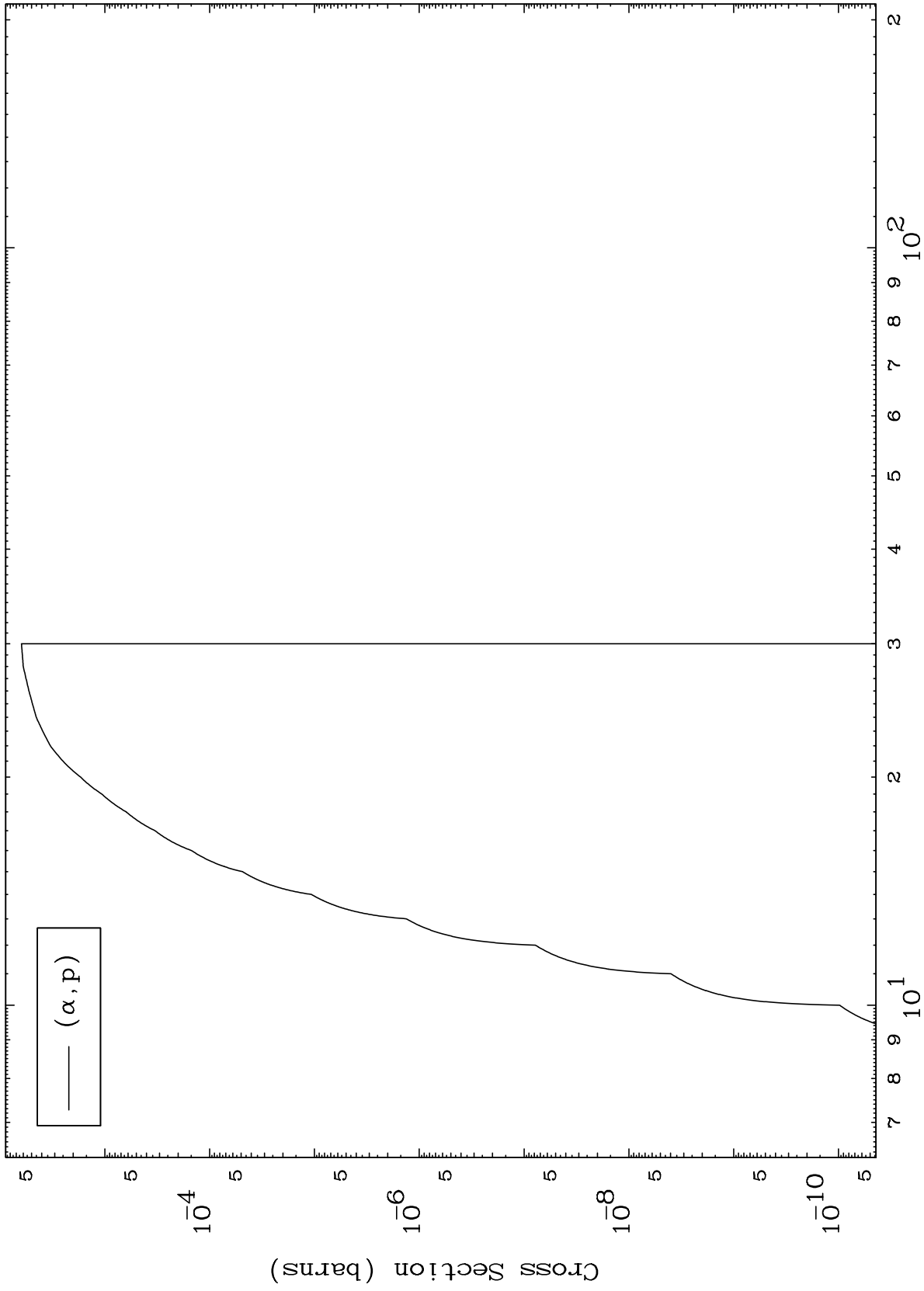
Incident Energy (MeV)

58-Ce-138

MAT 5831

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

58-Ce-138



6

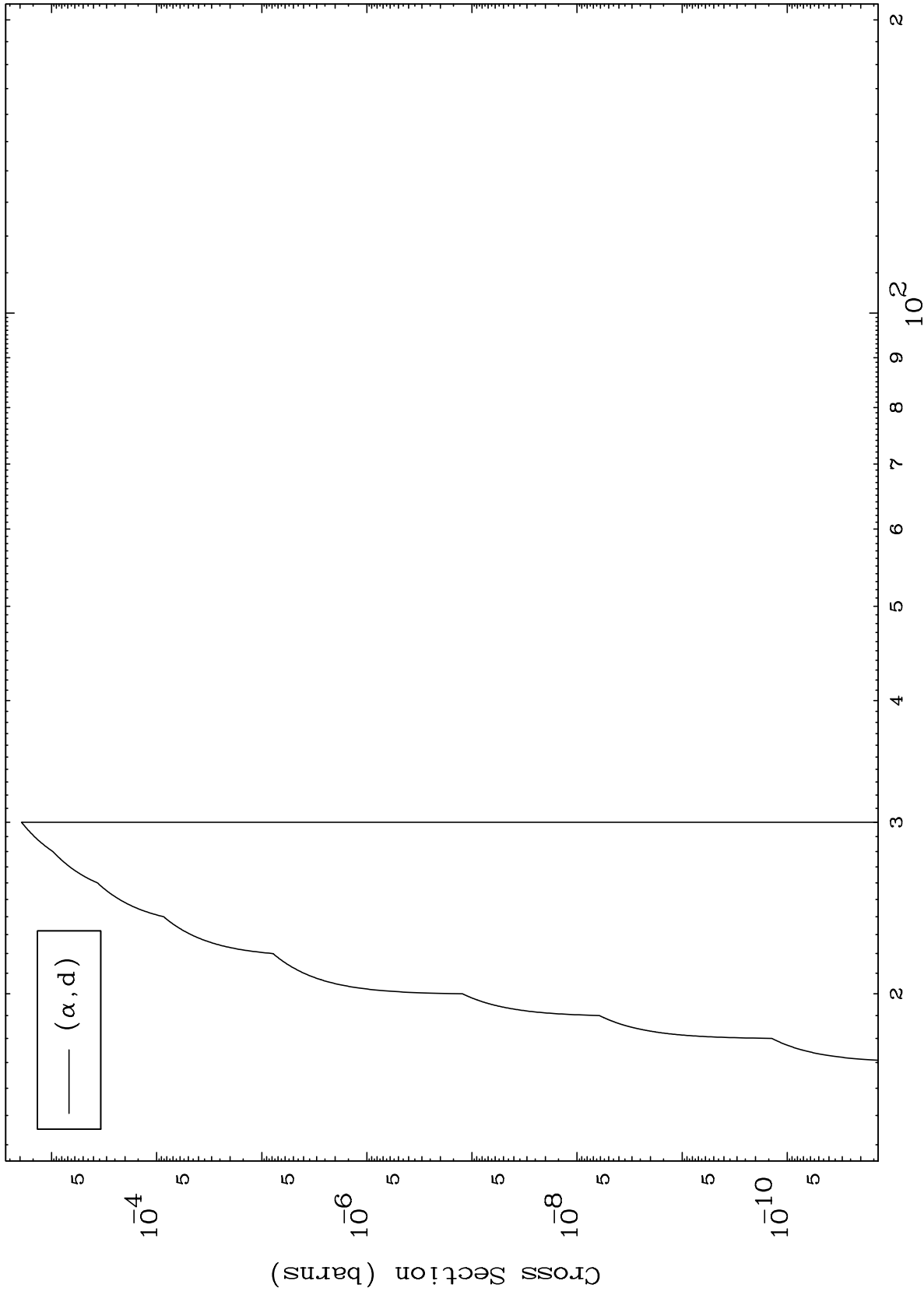
Incident Energy (MeV)

58-Ce-138

MAT 5831

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

58-Ce-138



7

Incident Energy (MeV)

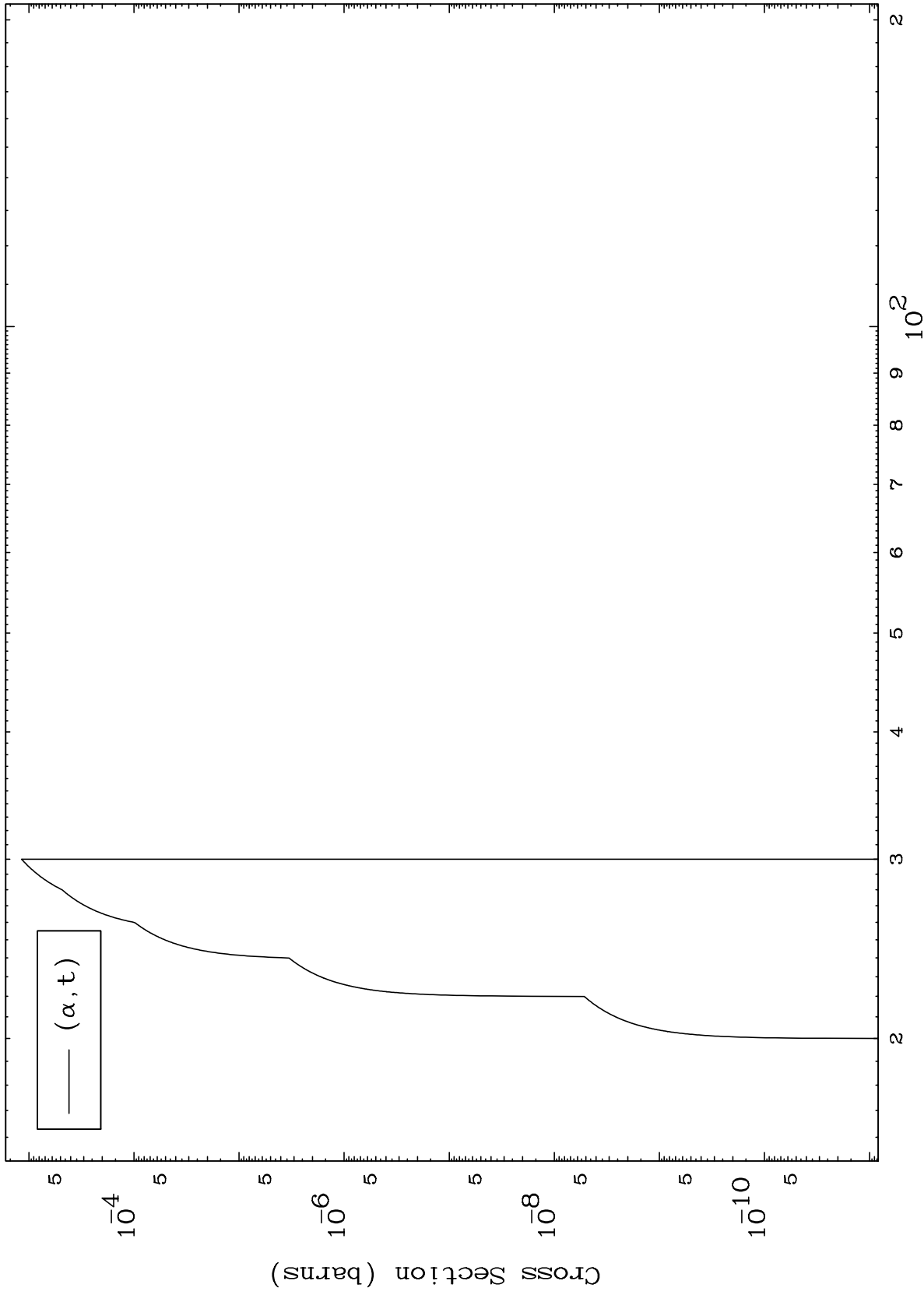
58-Ce-138



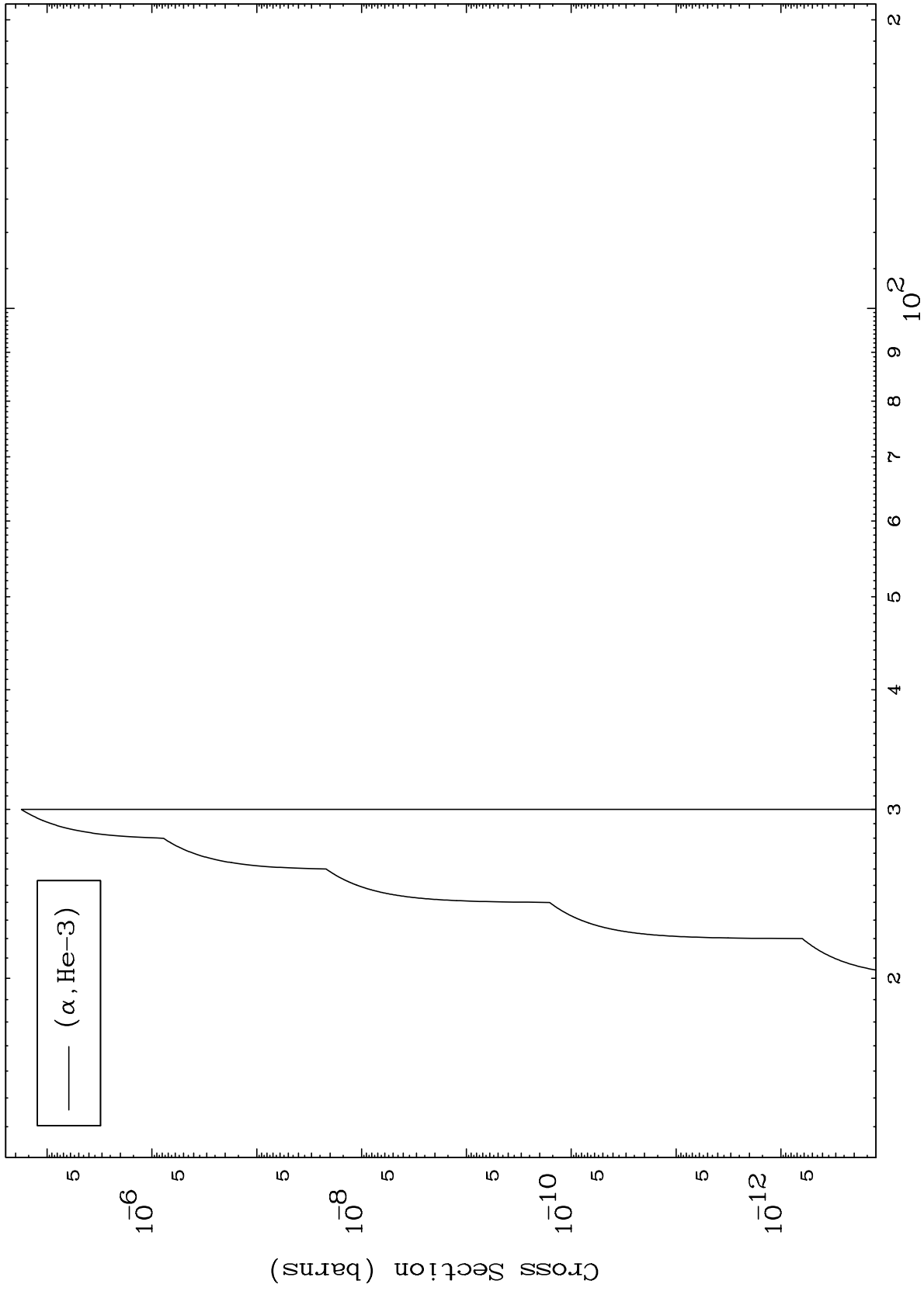
MAT 5831

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

58-Ce-138



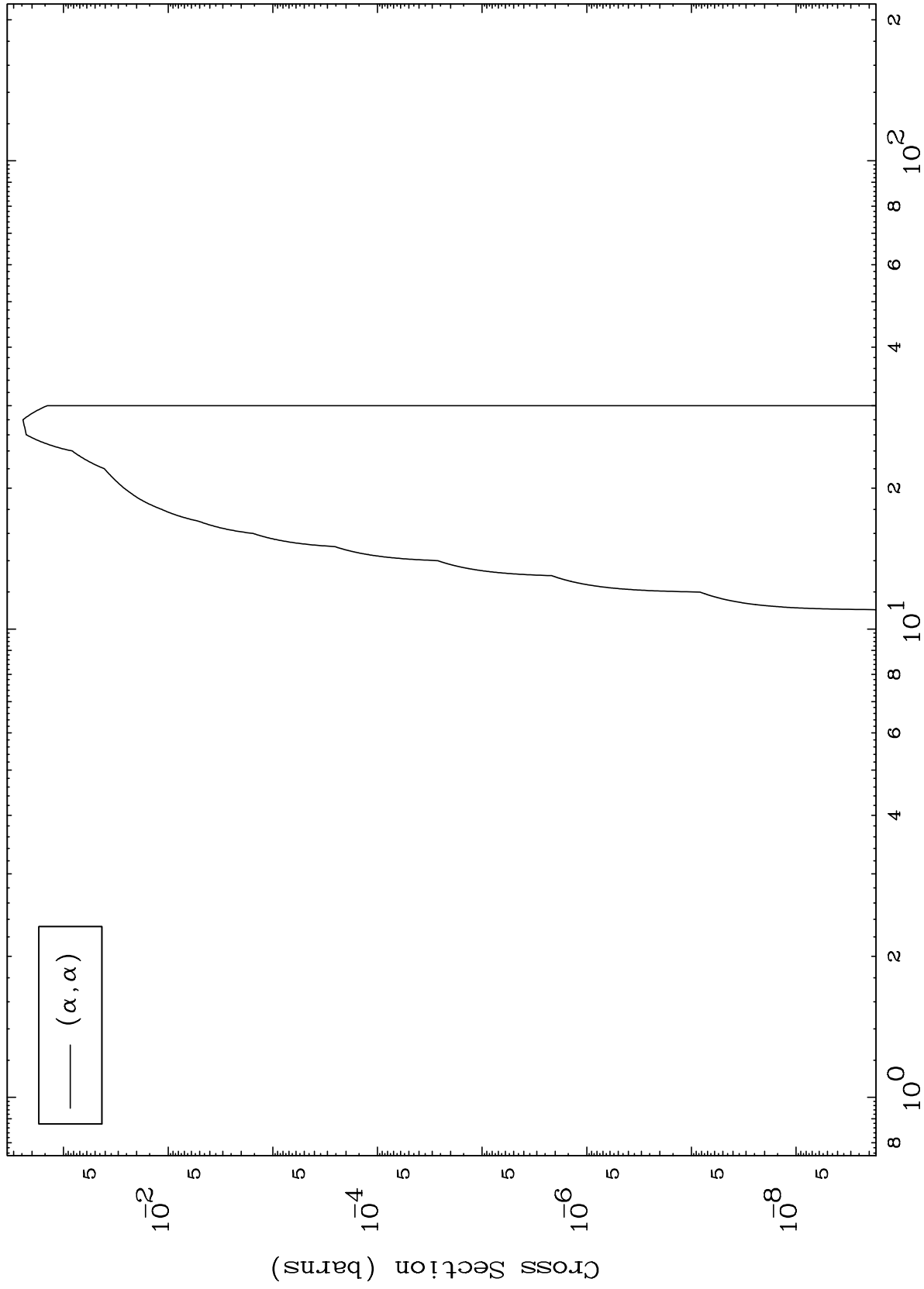
8



MAT 5831

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

58-Ce-138



10

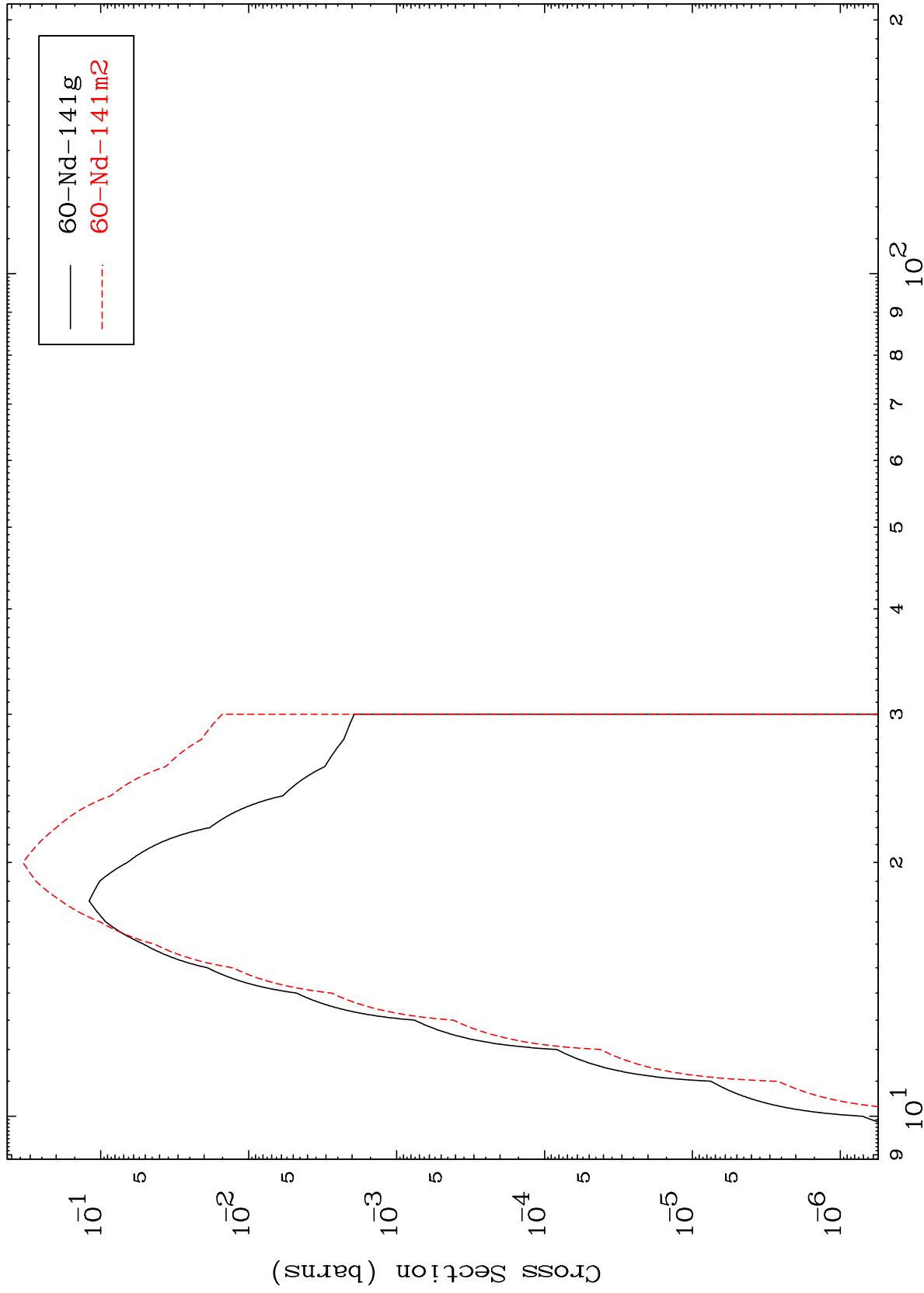
Incident Energy (MeV)

58-Ce-138

MAT 5831

$\alpha$  Inelastic  
Radionuclide Production Cross Section

58-Ce-138



11

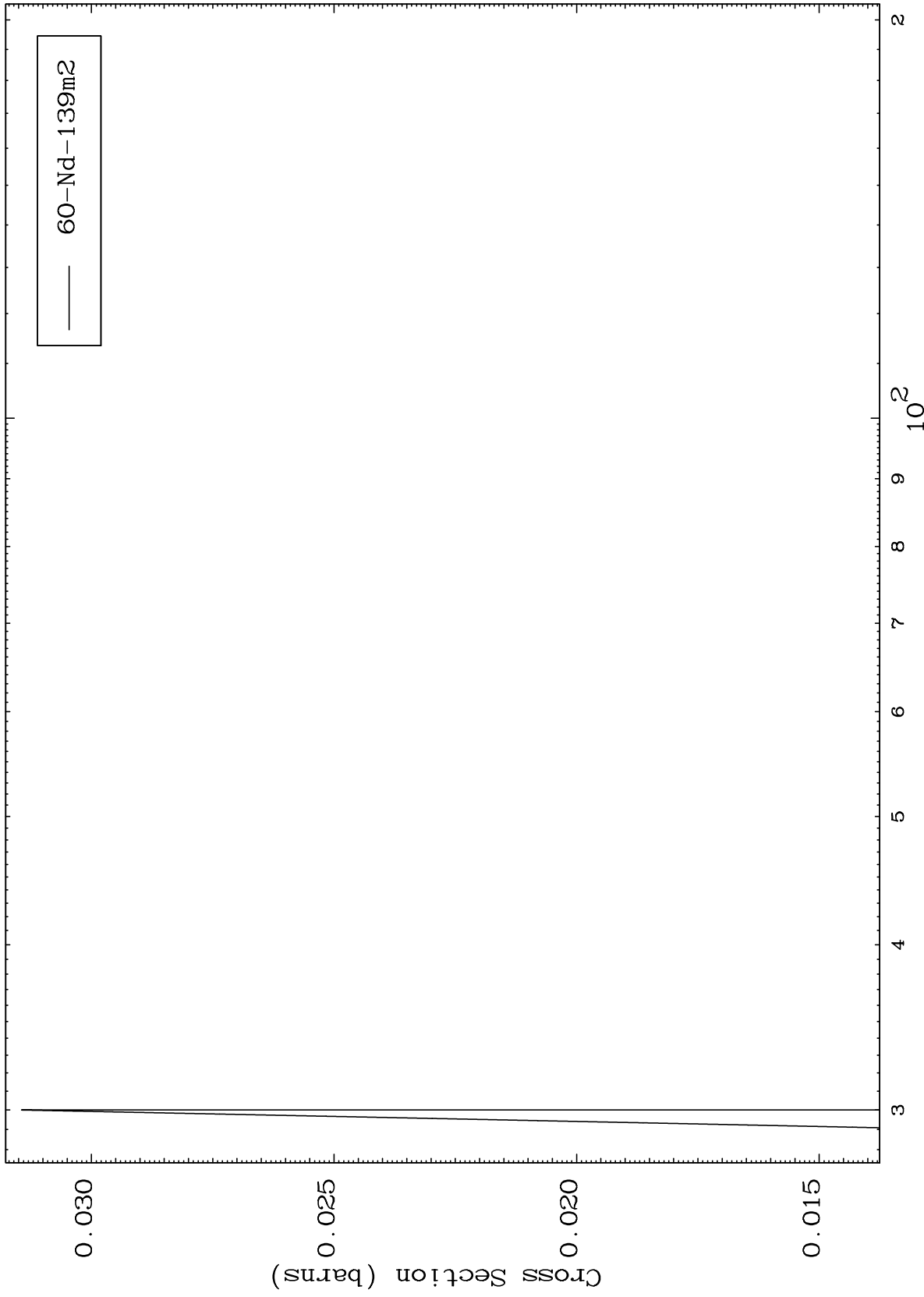
Incident Energy (MeV)

58-Ce-138

MAT 5831

58-Ce-138

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



12

Incident Energy (MeV)

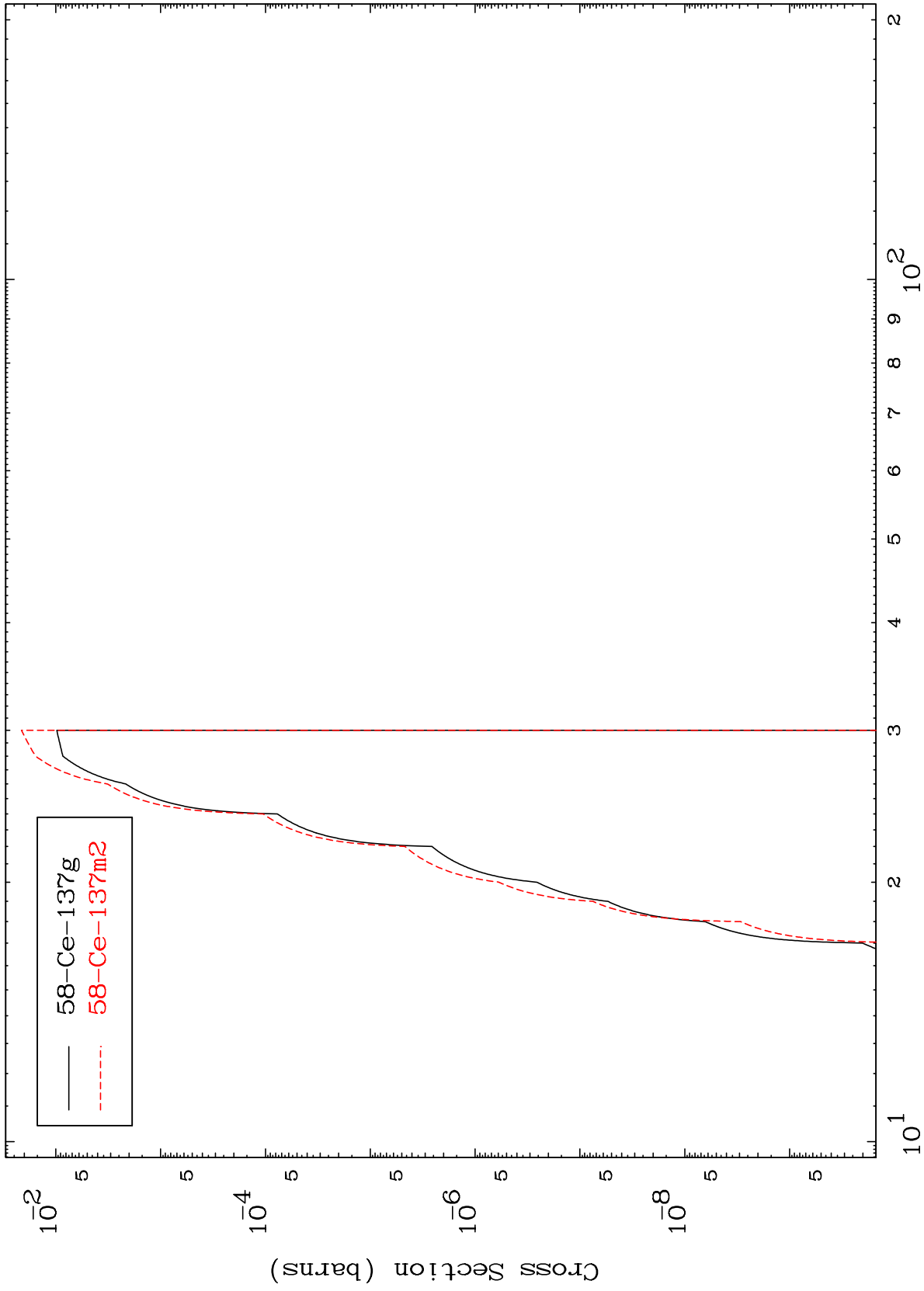
58-Ce-138

MAT 5831

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

58-Ce-138

Radionuclide Production Cross Section



58-Ce-137g  
58-Ce-137m2

13

Incident Energy (MeV)

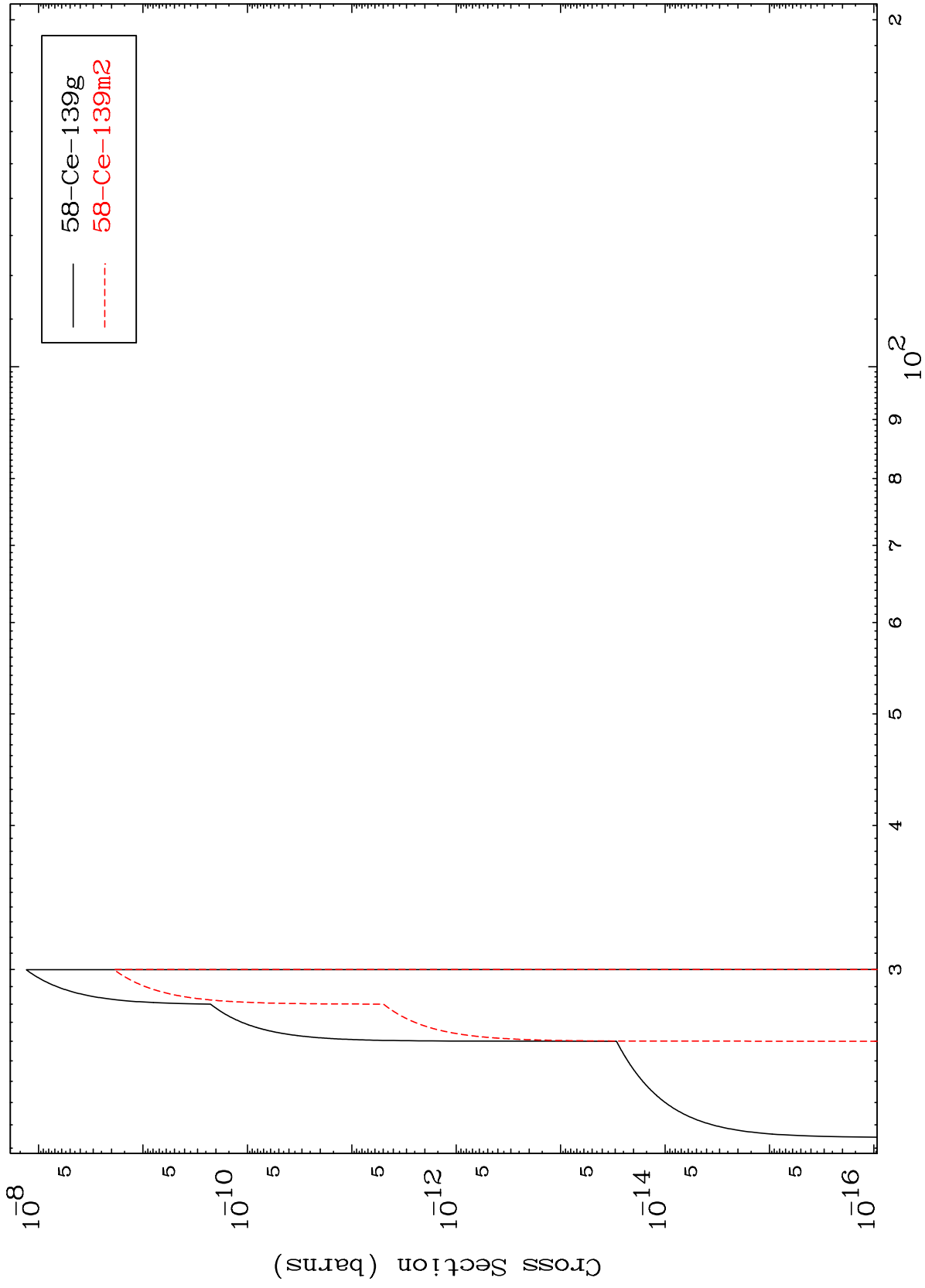
58-Ce-138

MAT 5831

( $\alpha, 2n$ ) p

58-Ce-138

Radionuclide Production Cross Section



14

Incident Energy (MeV)

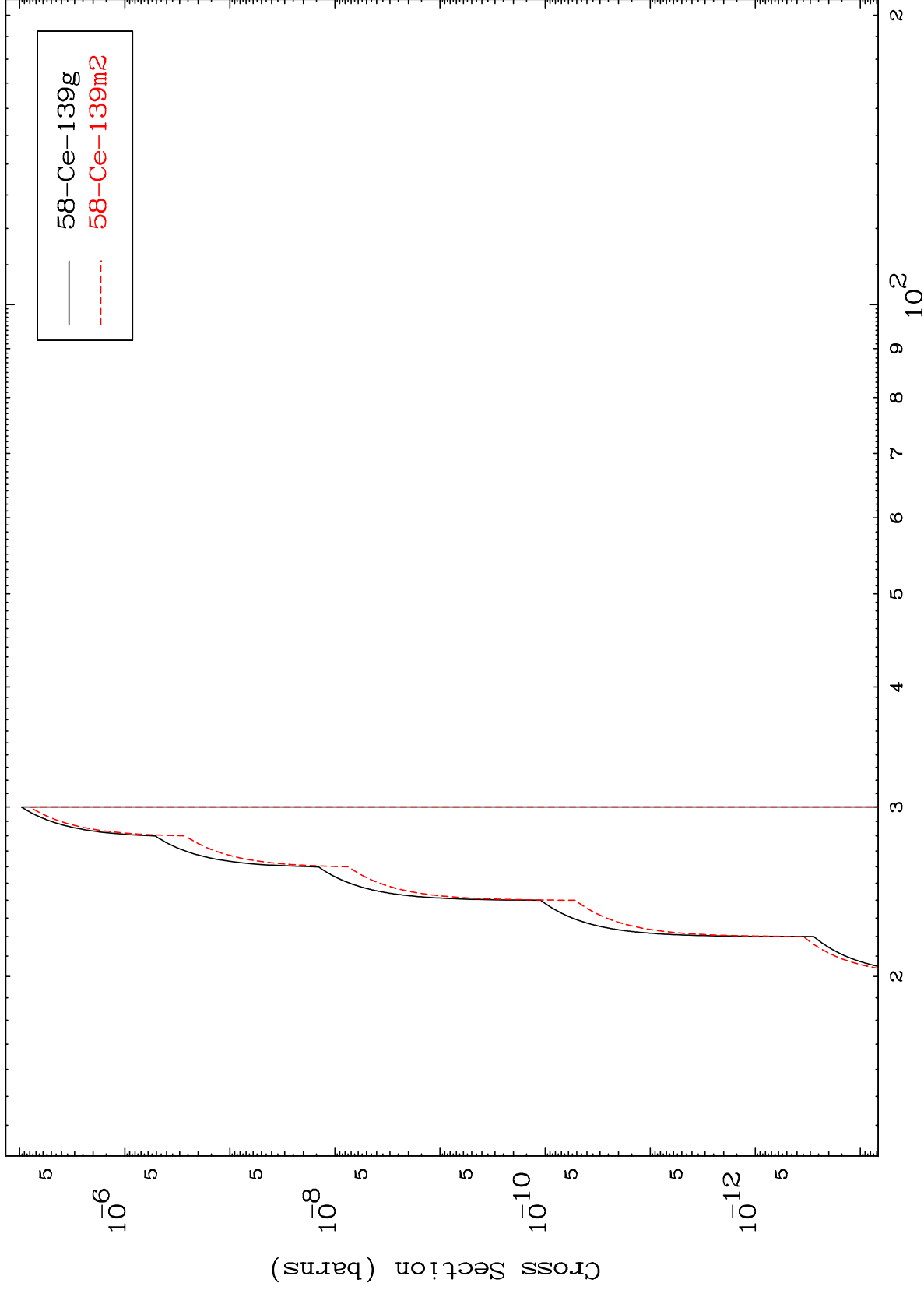
58-Ce-138

MAT 5831

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

58-Ce-138

Radionuclide Production Cross Section



15

Incident Energy (MeV)

58-Ce-138

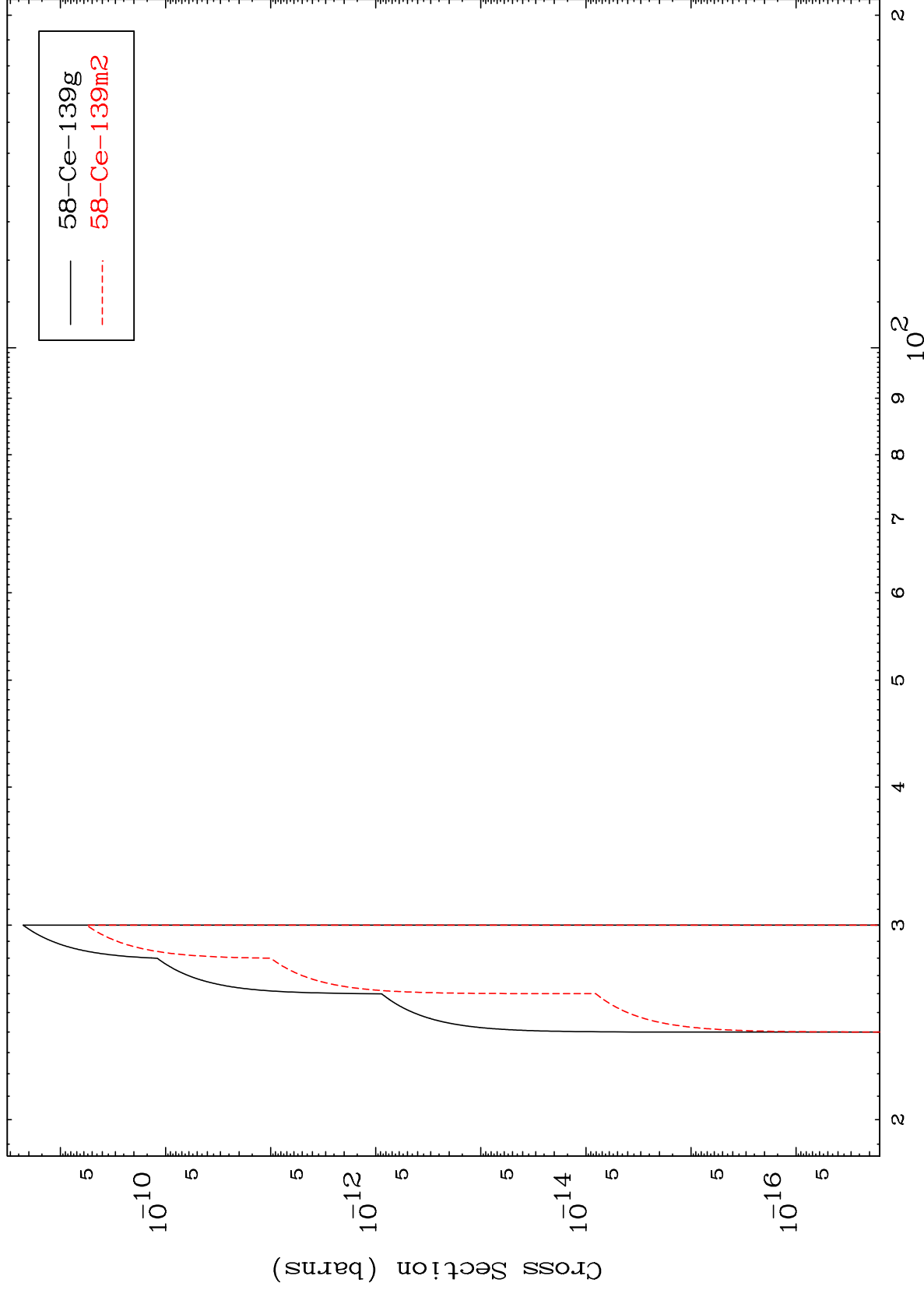


MAT 5831

( $\alpha, p$ ) d

58-Ce-138

Radionuclide Production Cross Section



16

Incident Energy (MeV)

58-Ce-138