

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

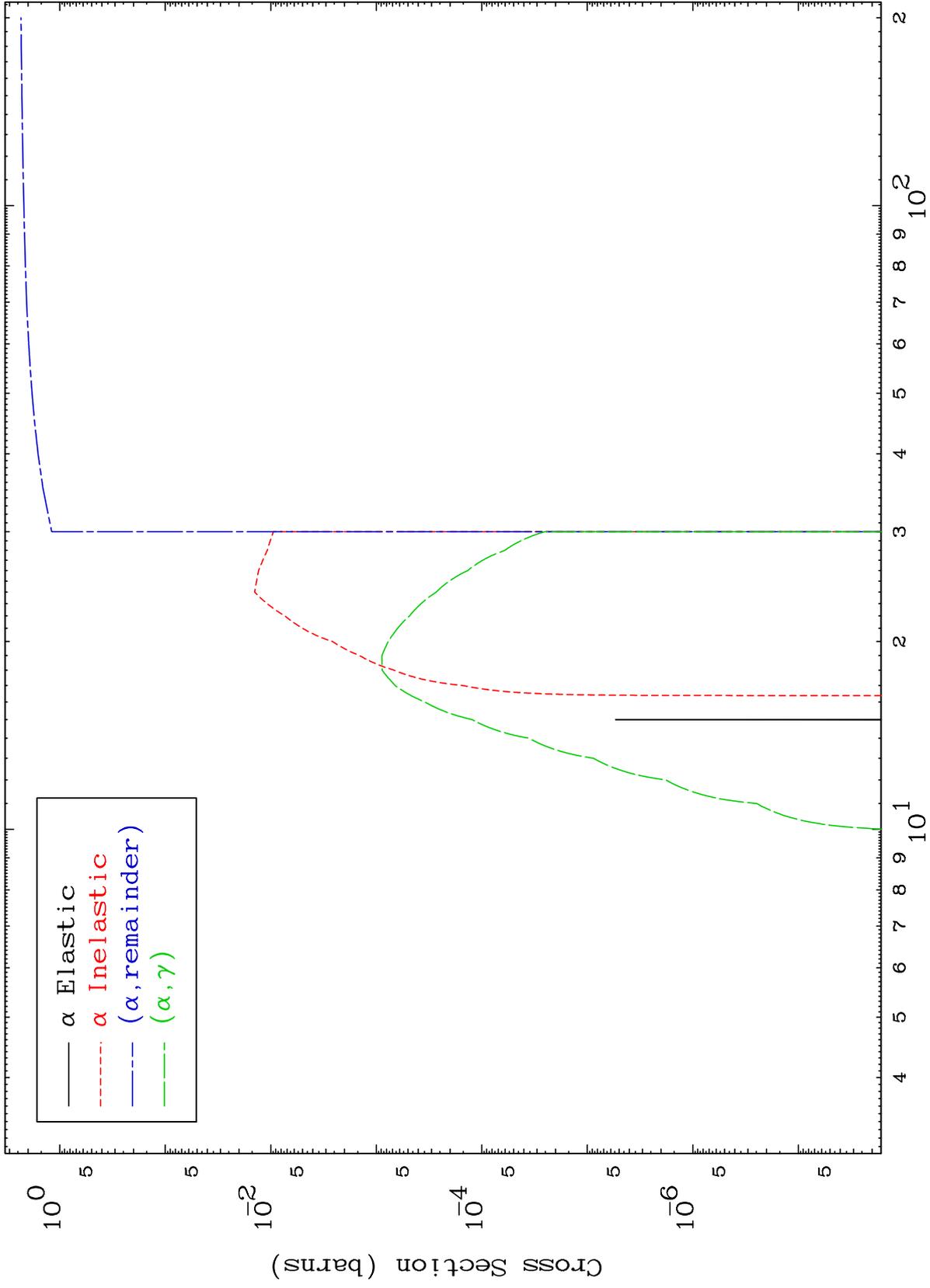
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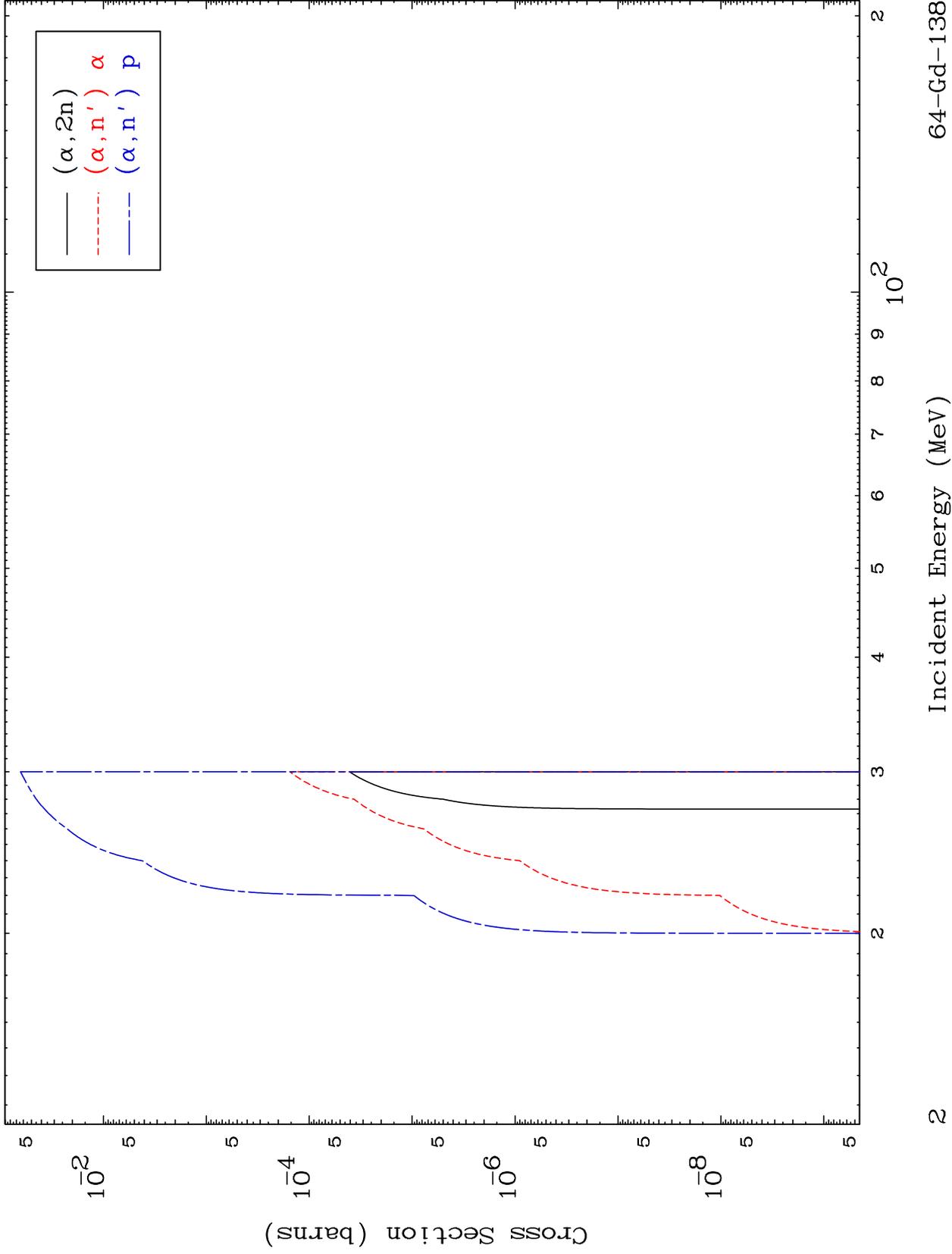
Tele: 925-443-1911

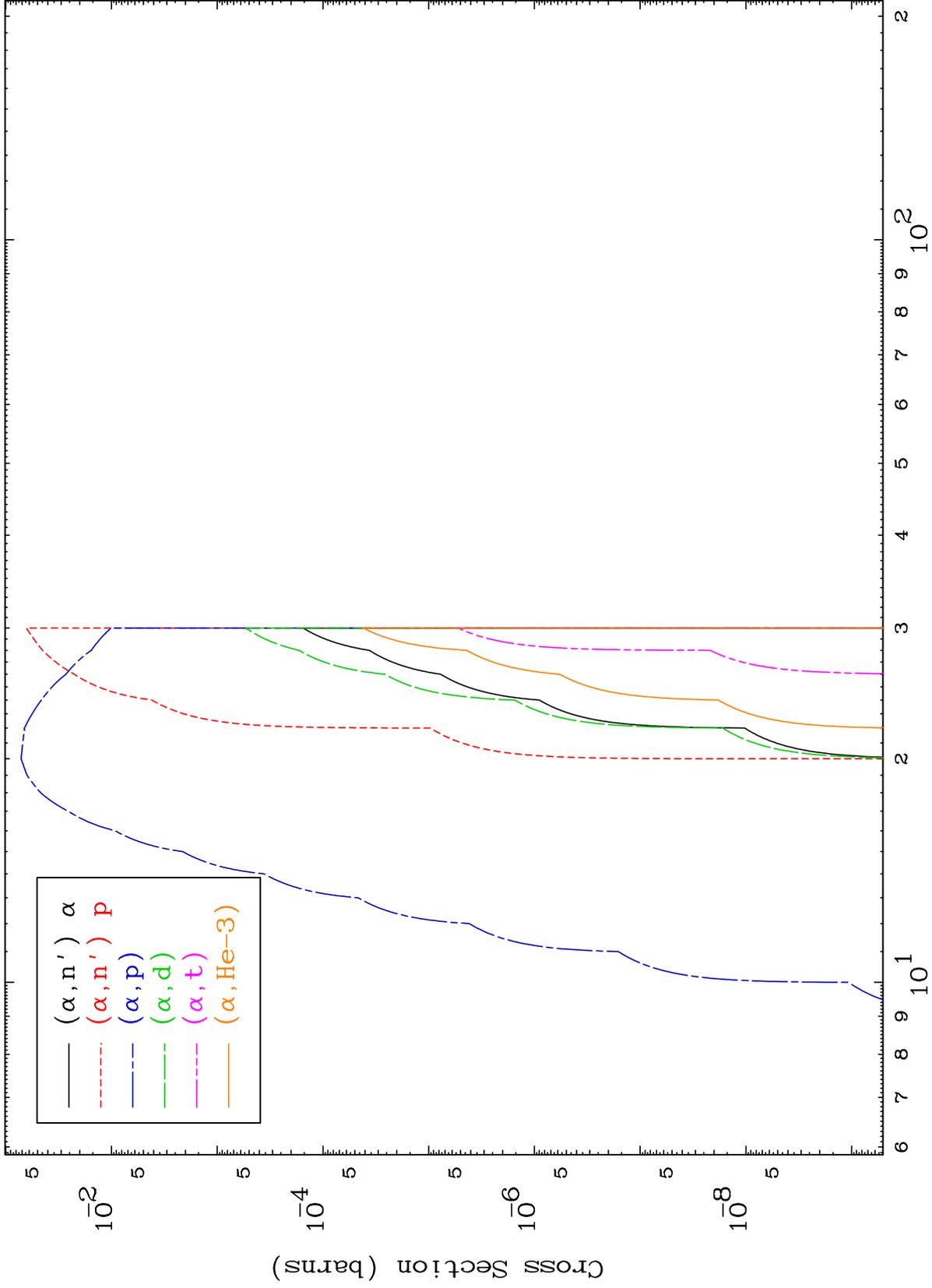
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)

Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start



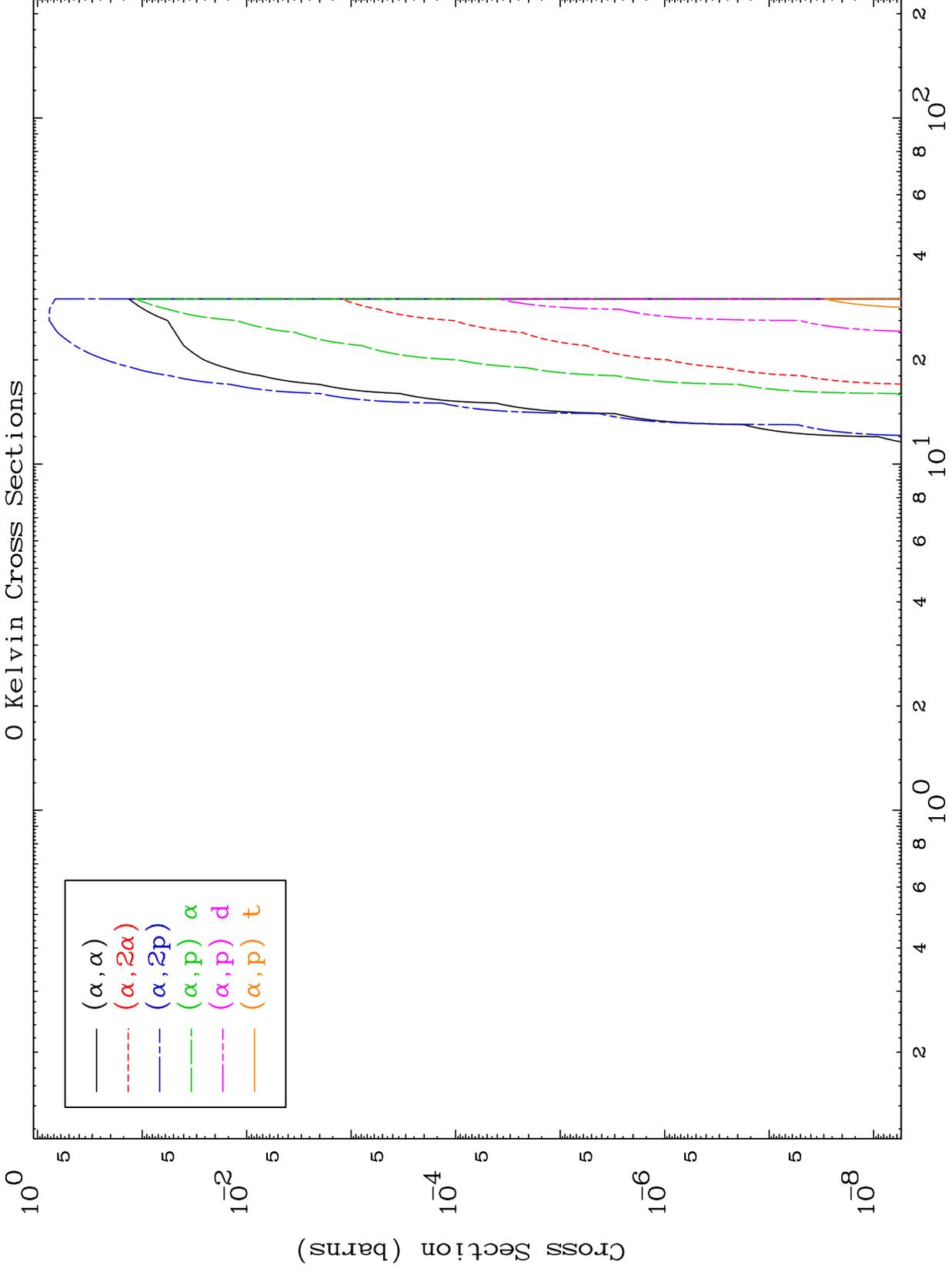




MAT 6383

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

64-Gd-138

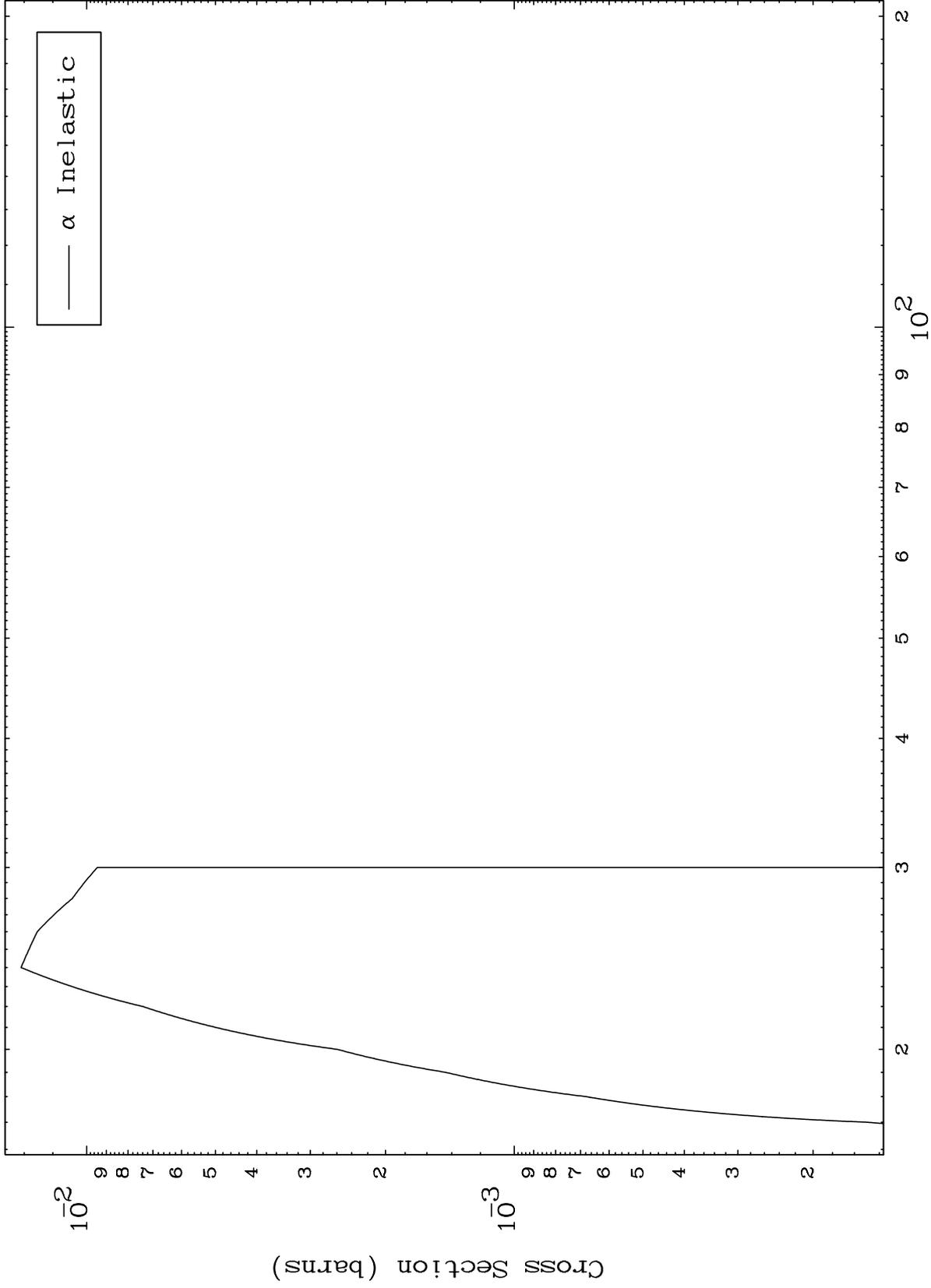


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( $\alpha, n'$ ) Level

64-Gd-138

0 Kelvin Cross Sections



5

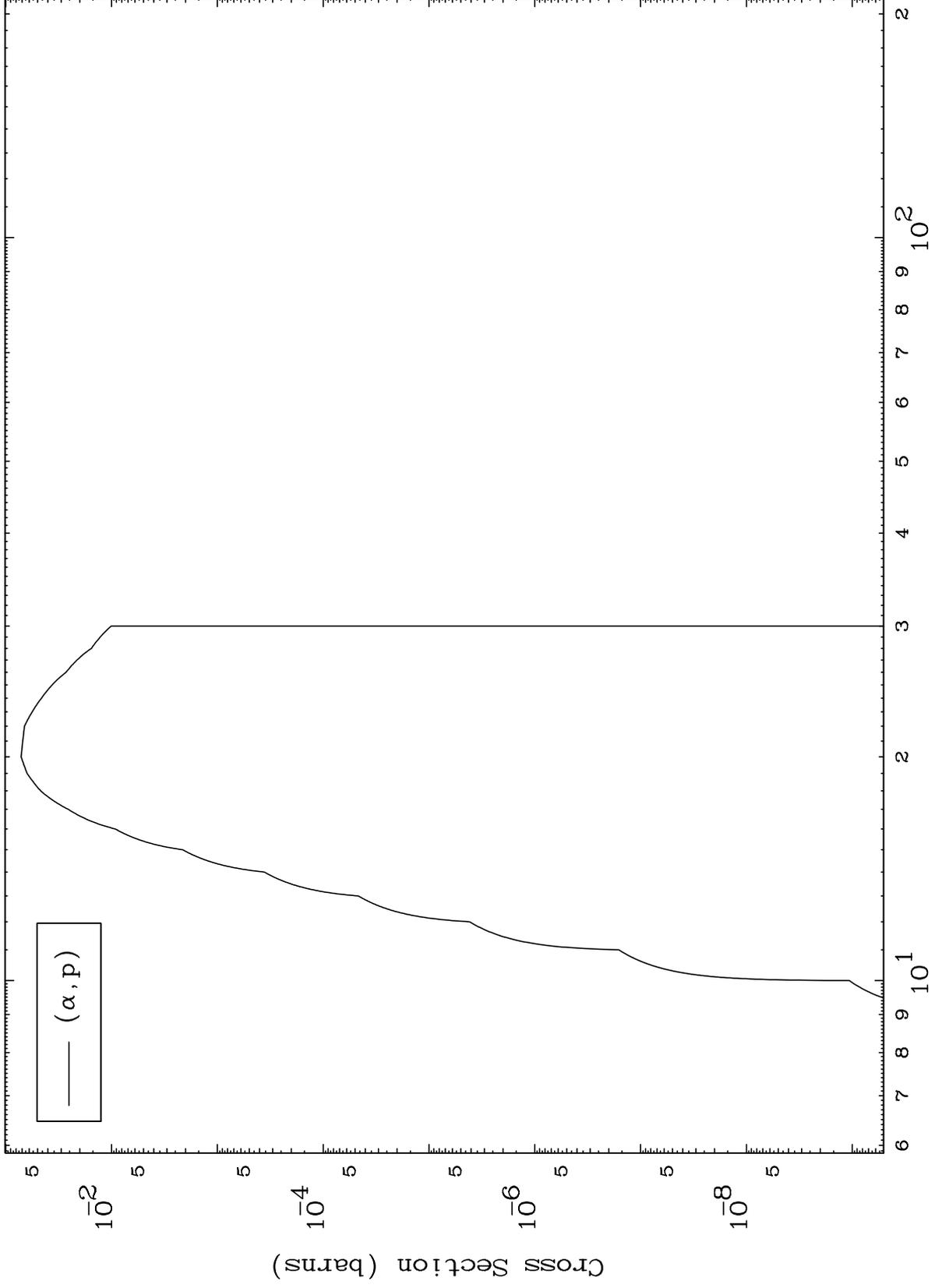
Incident Energy (MeV)

64-Gd-138

MAT 6383

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

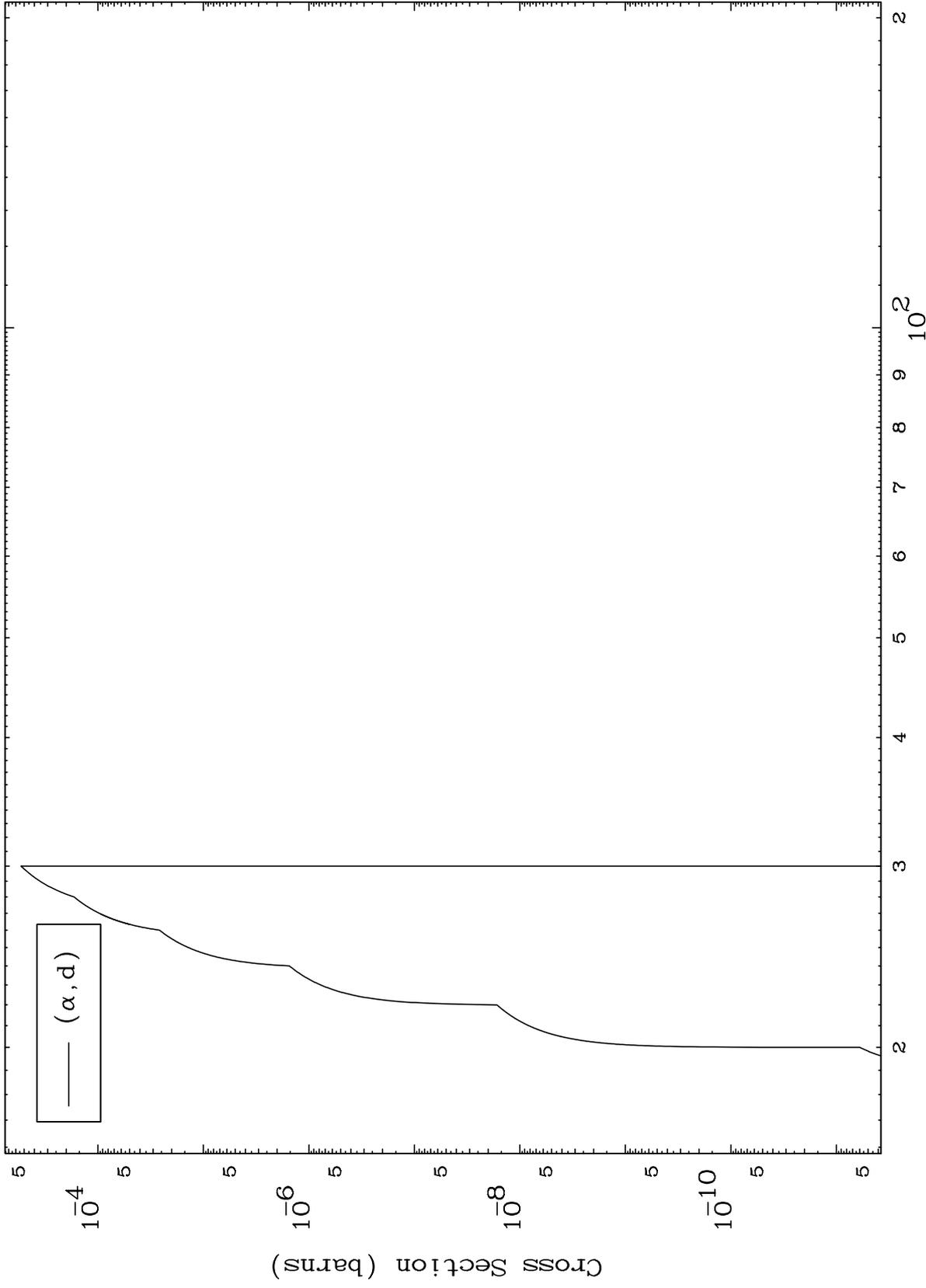
64-Gd-138



6

Incident Energy (MeV)

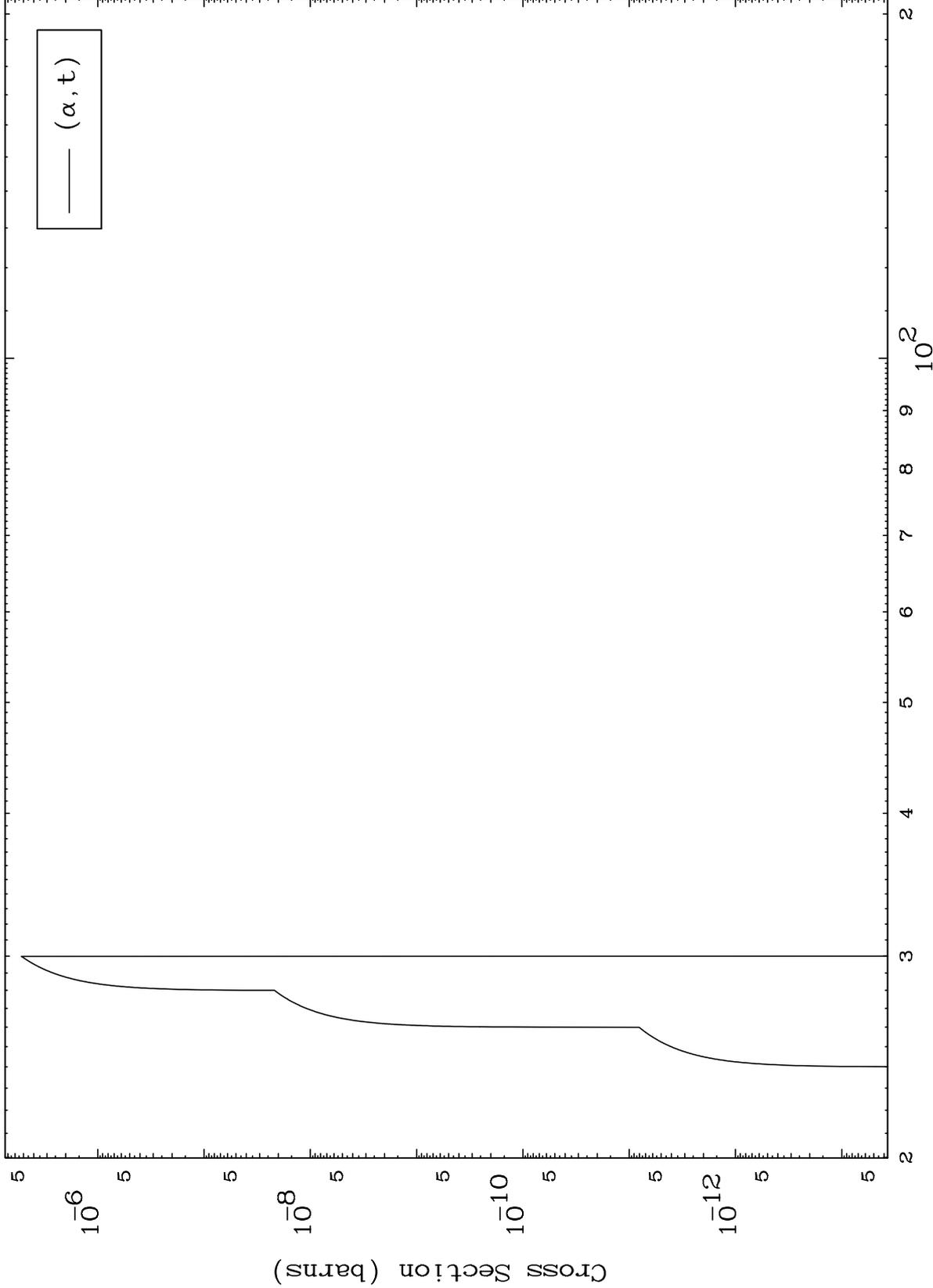
64-Gd-138



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

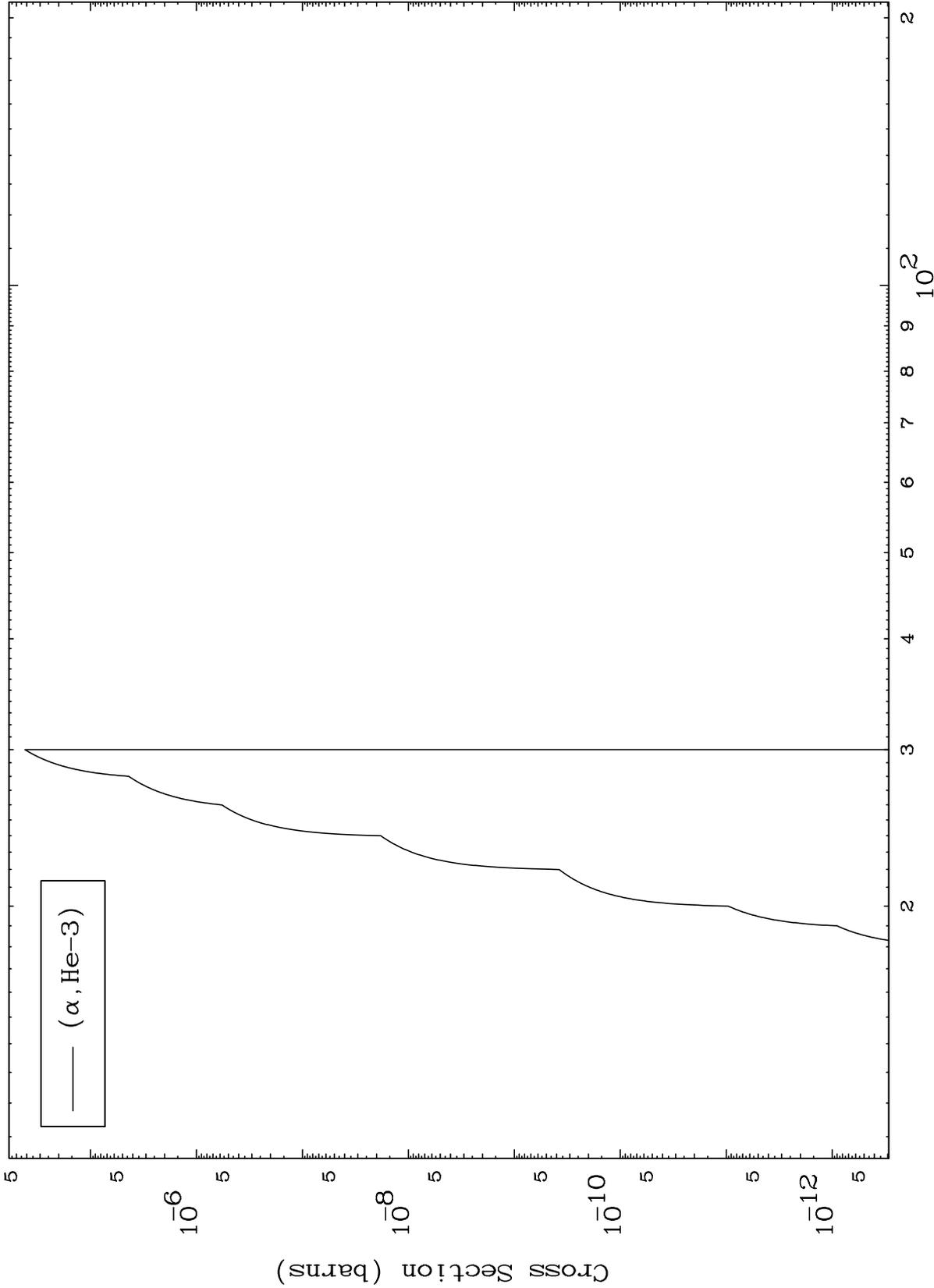
64-Gd-138



8

Incident Energy (MeV)

64-Gd-138

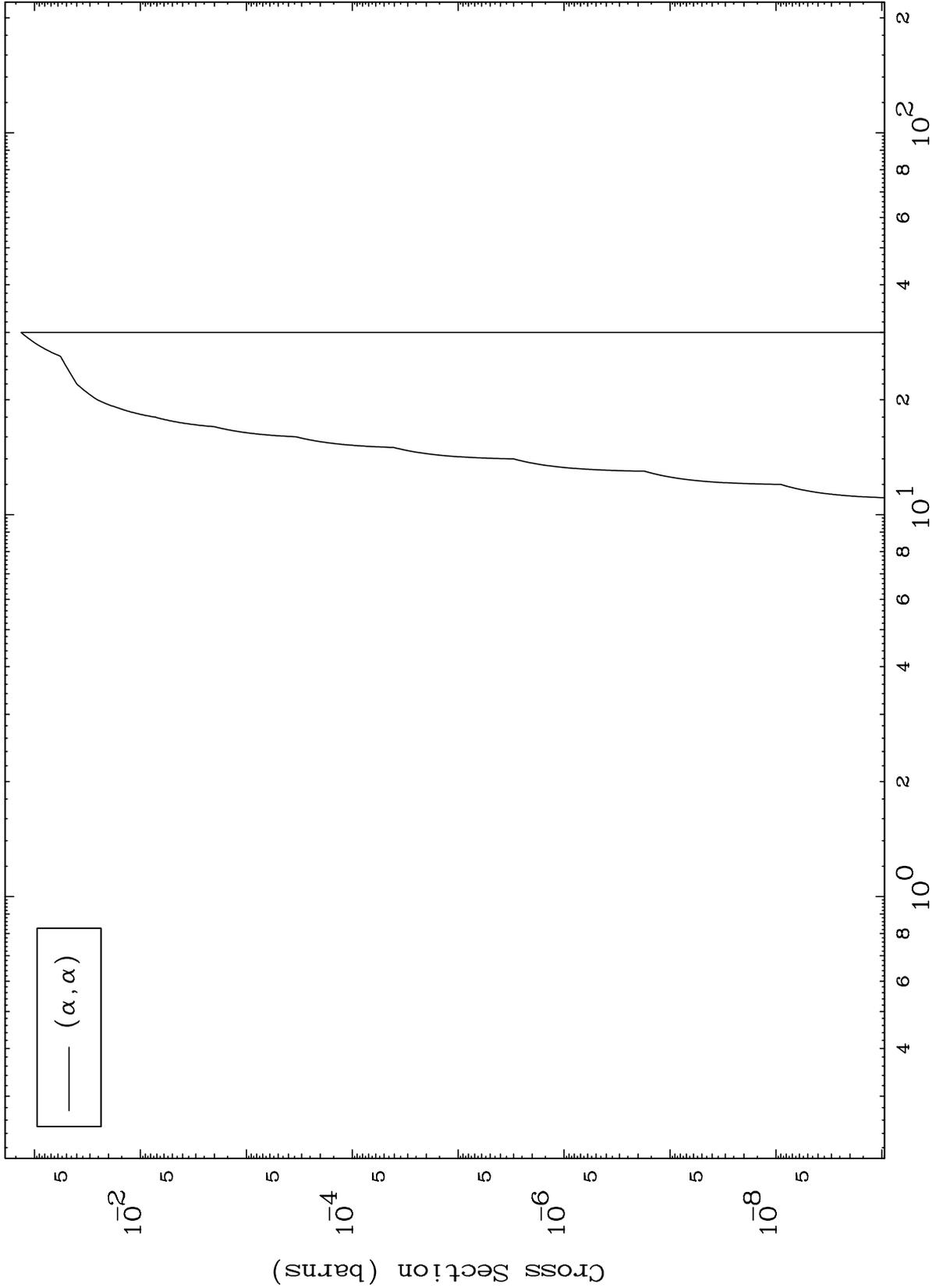


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( $\alpha, \alpha$ ) Levels

64-Gd-138

0 Kelvin Cross Sections



10

Incident Energy (MeV)

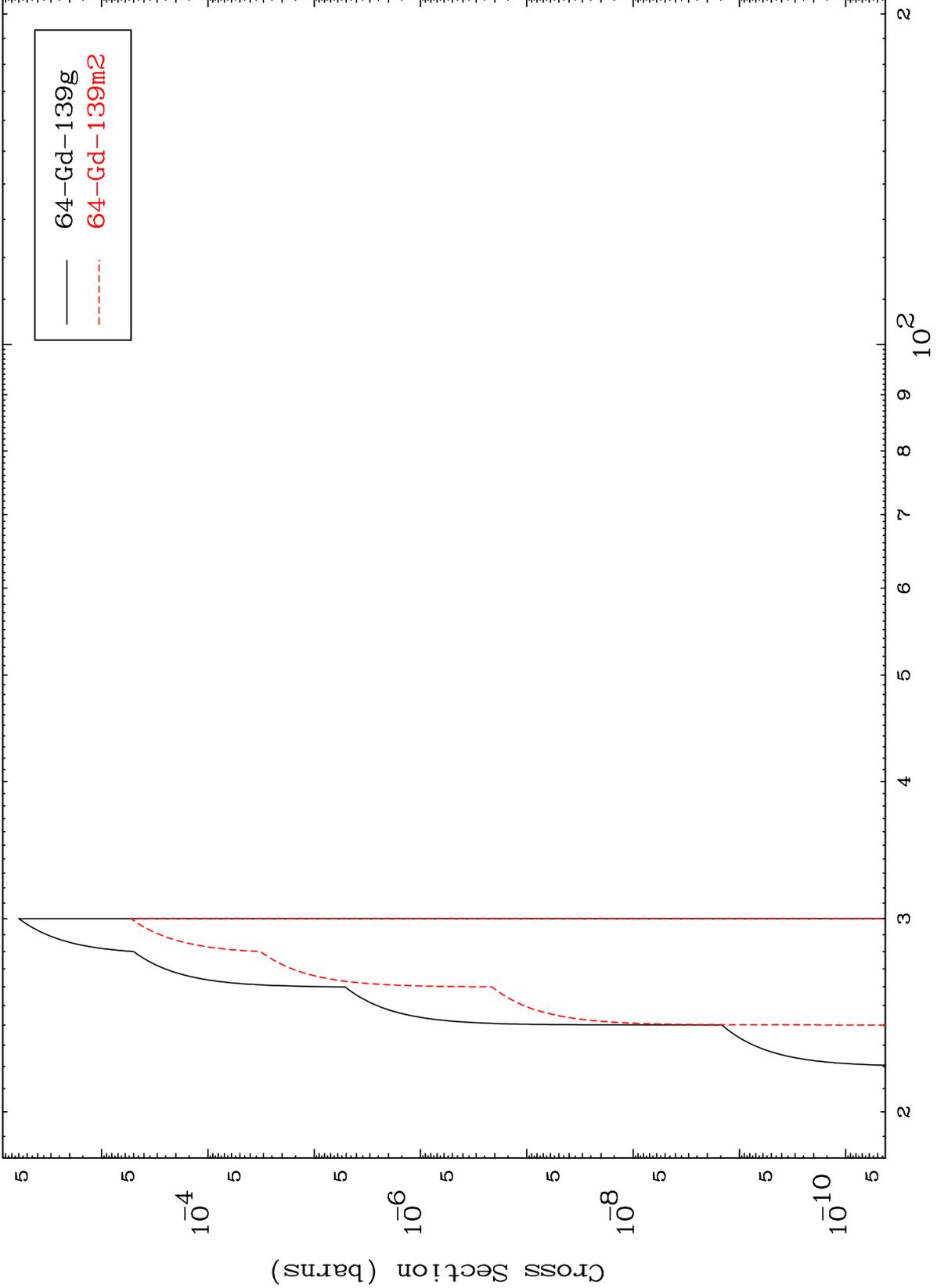
64-Gd-138

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$(\alpha, 2n)$  p

64-Gd-138

Radionuclide Production Cross Section

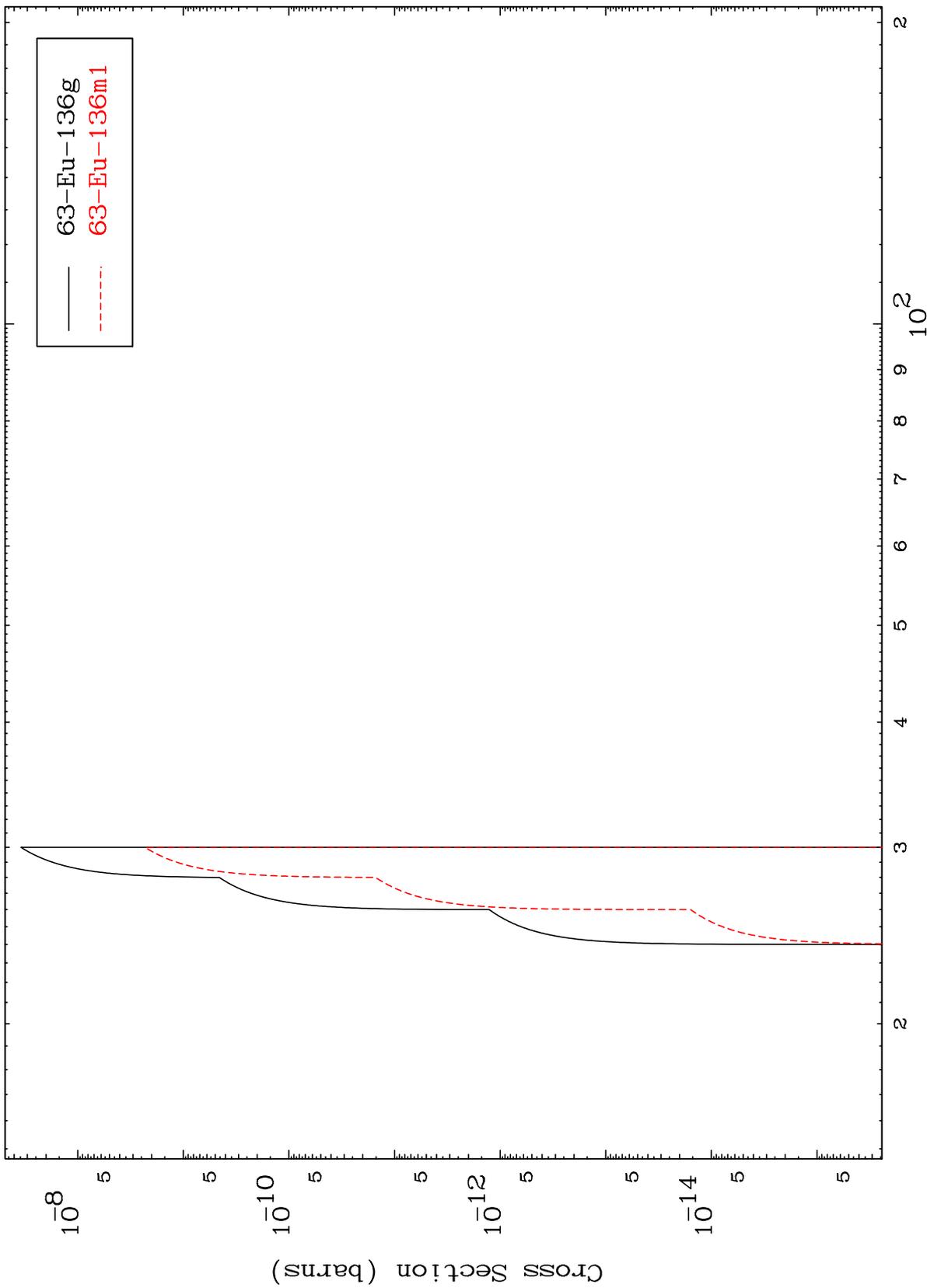


11

Incident Energy (MeV)

64-Gd-138

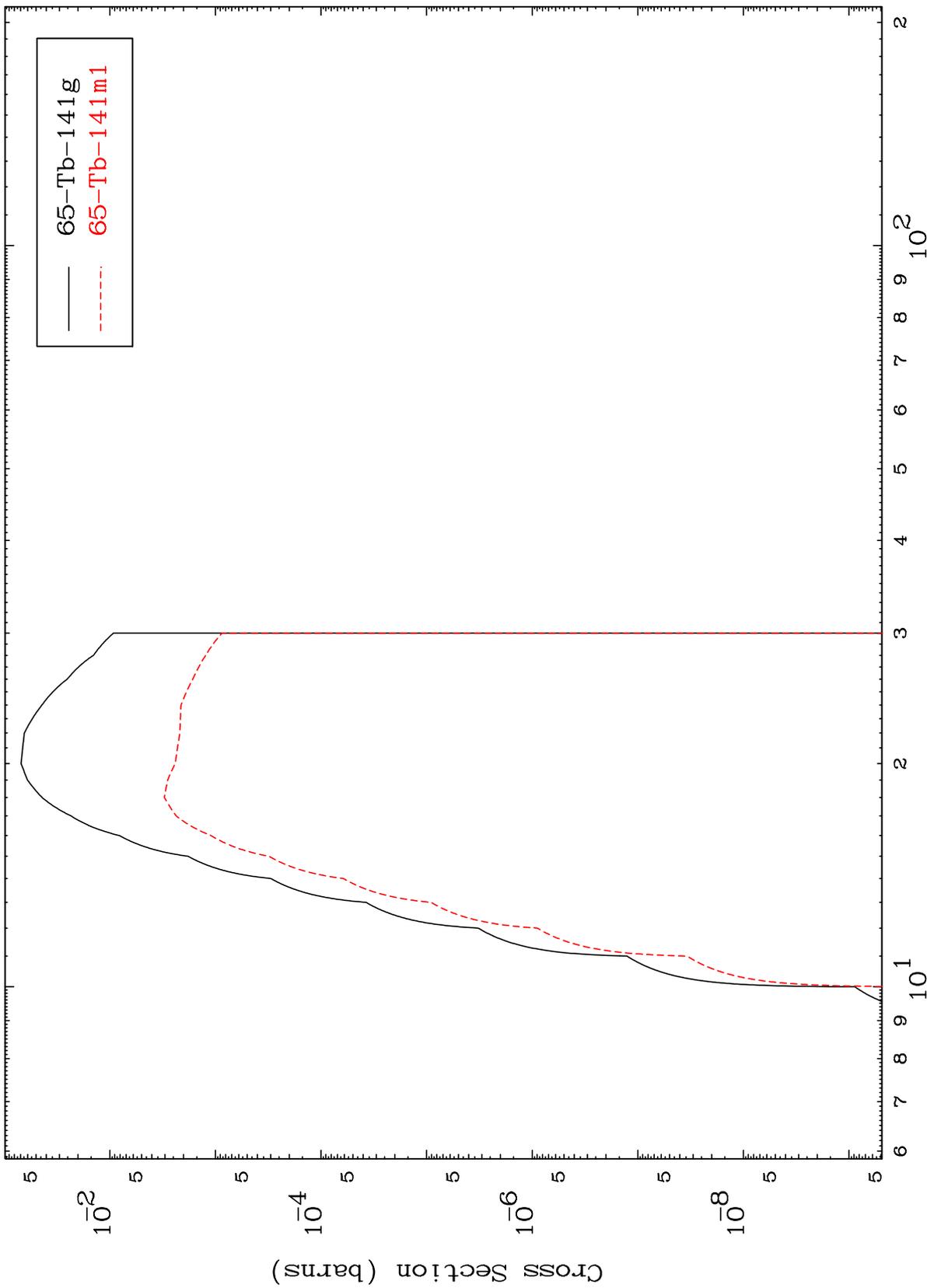
Radionuclide Production Cross Section



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64-Gd-138

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



13

Incident Energy (MeV)

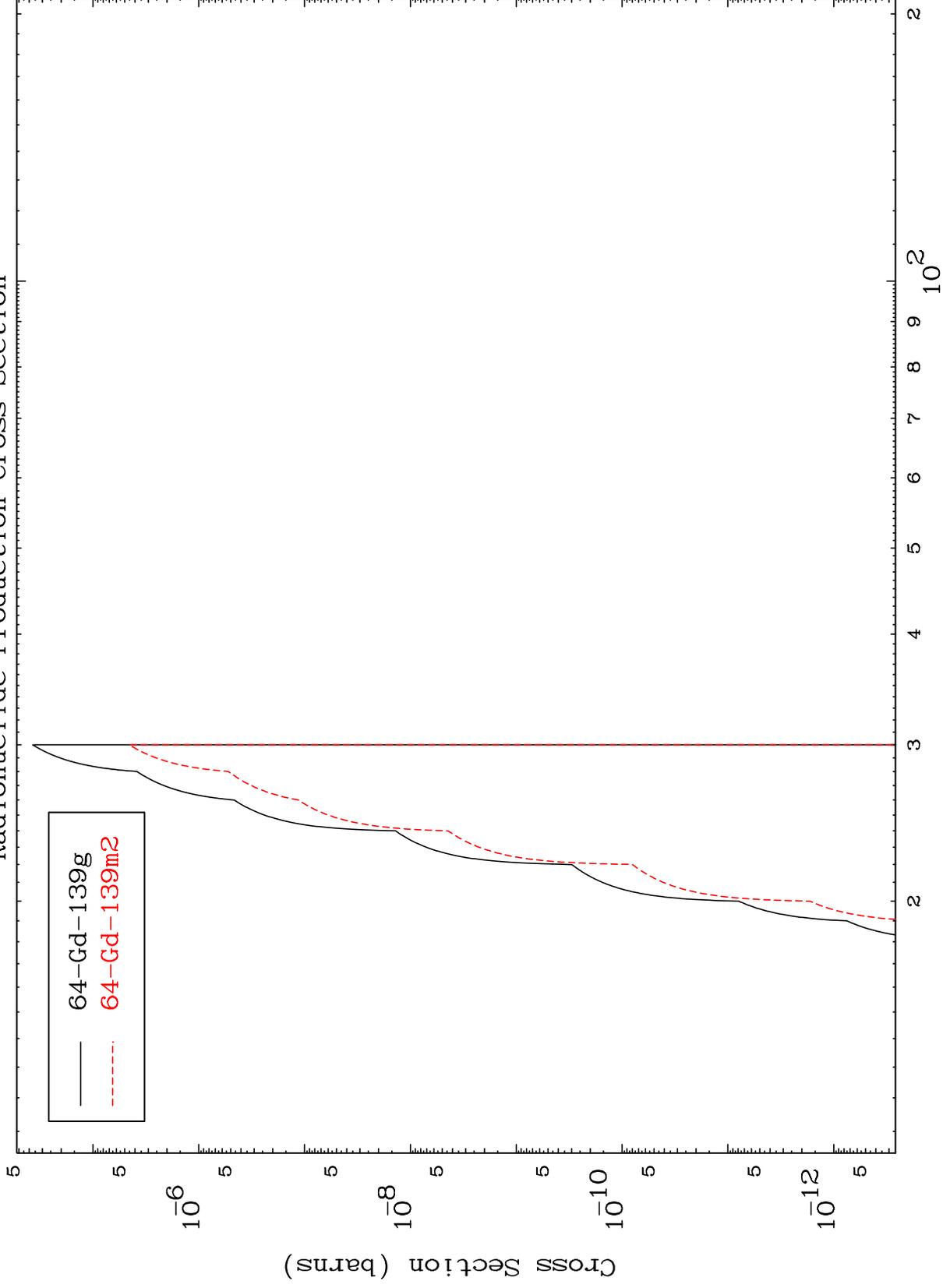
64-Gd-138

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

64-Gd-138

Radionuclide Production Cross Section



14

Incident Energy (MeV)

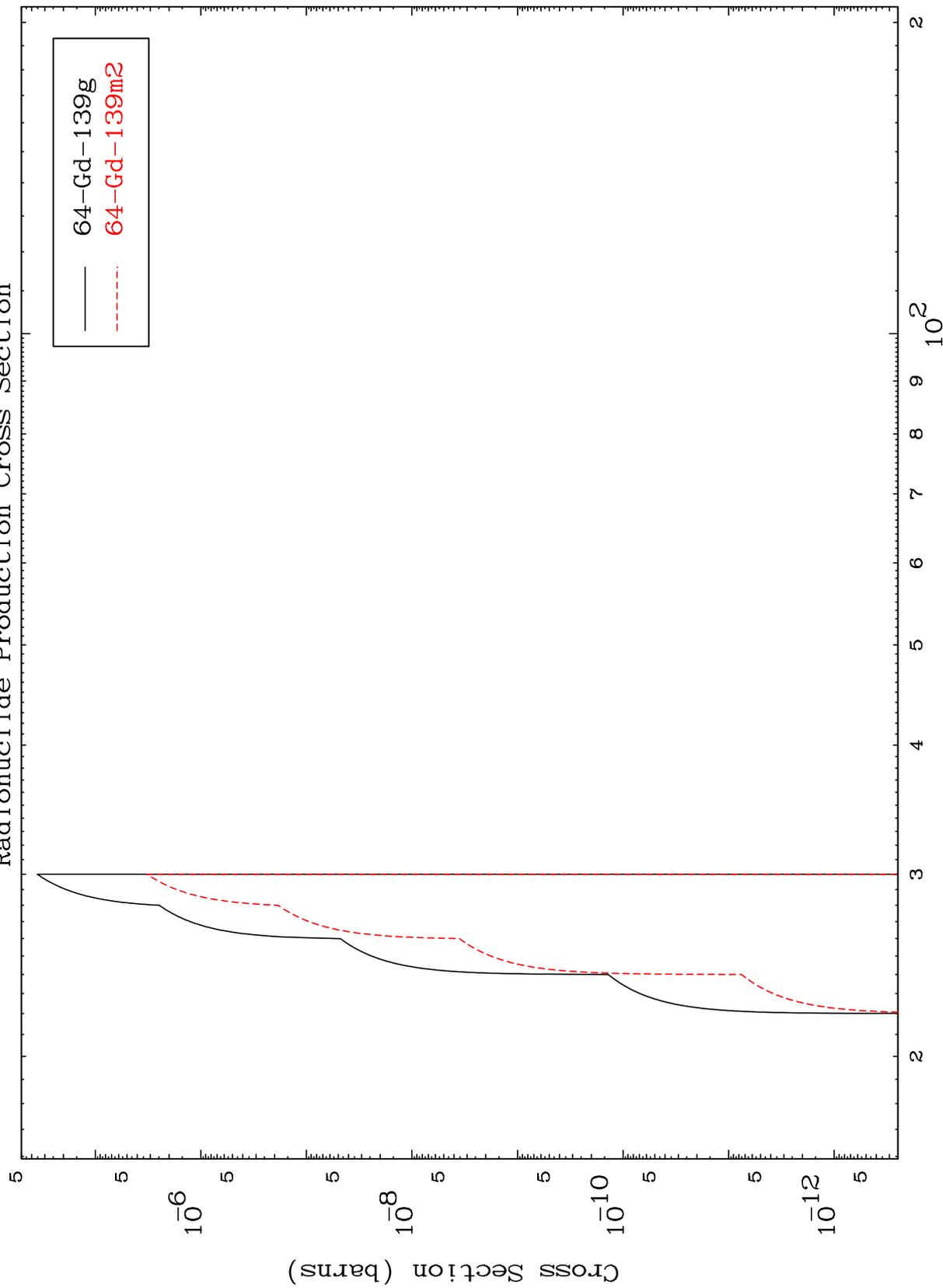
64-Gd-138

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( $\alpha, p$ ) d

64-Gd-138

Radionuclide Production Cross Section



15

Incident Energy (MeV)

64-Gd-138