

Program EVALPLOT  
(Version 2018-1)

by

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(Present Contact Information)

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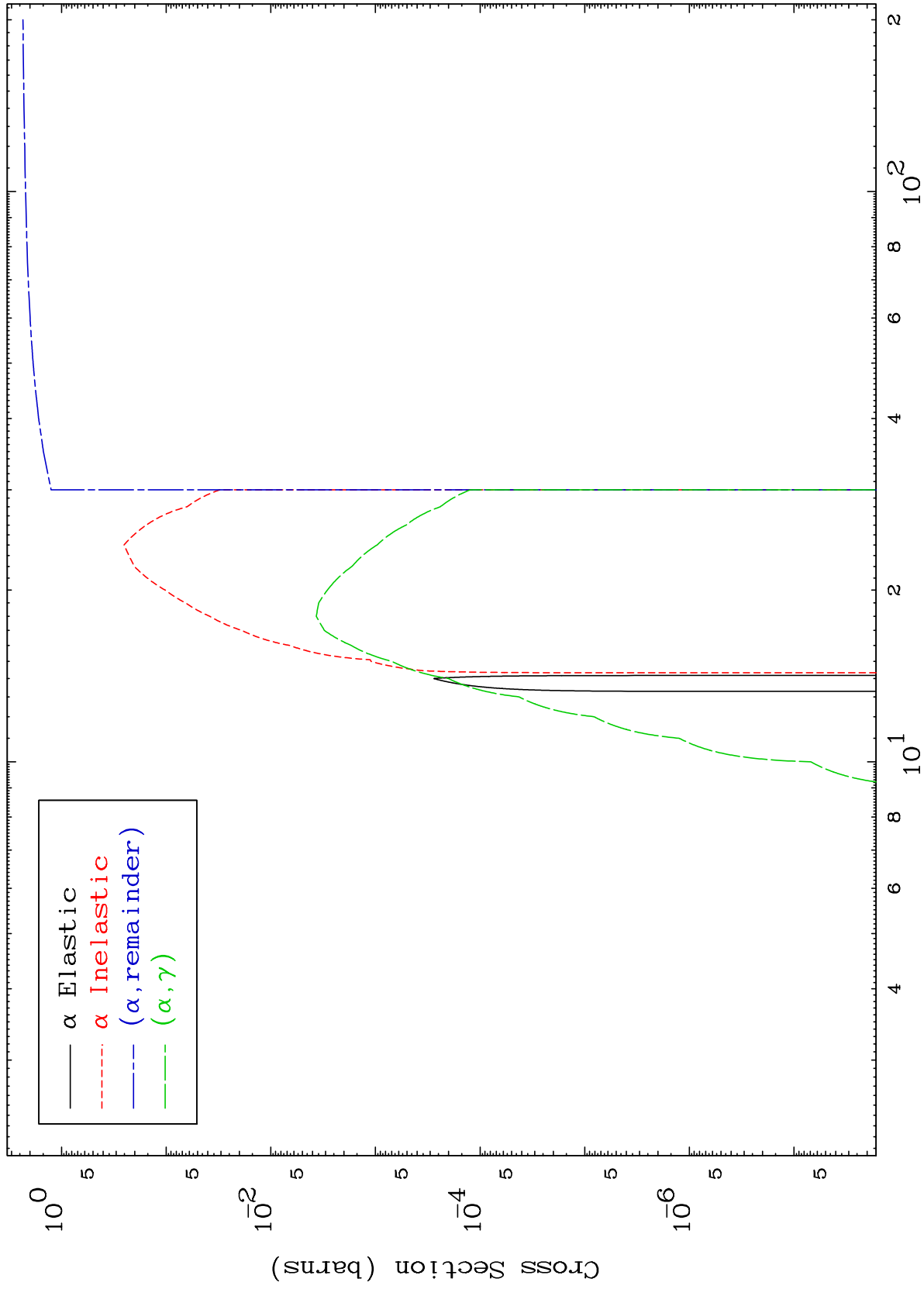
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

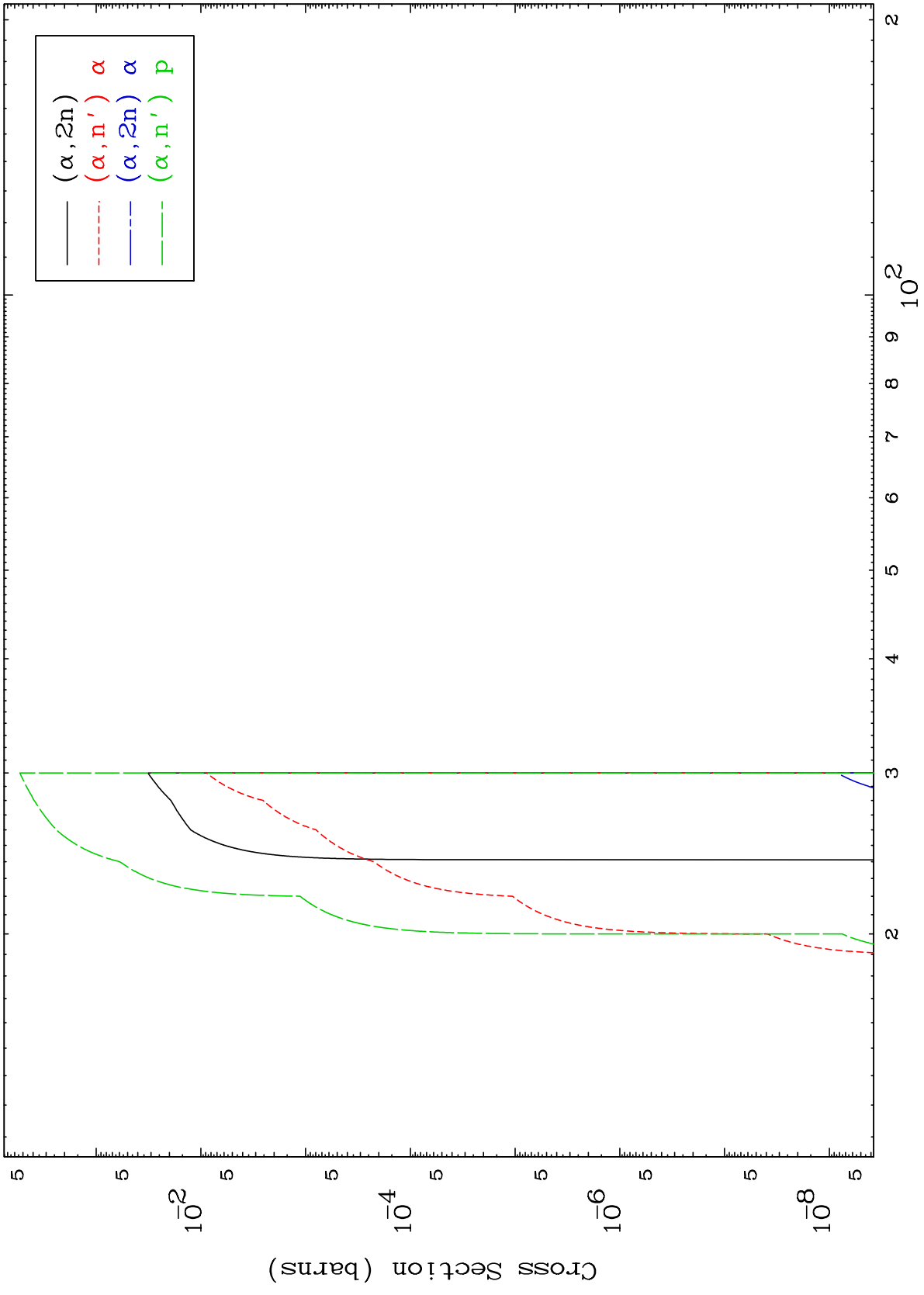
Press Mouse Button to Start

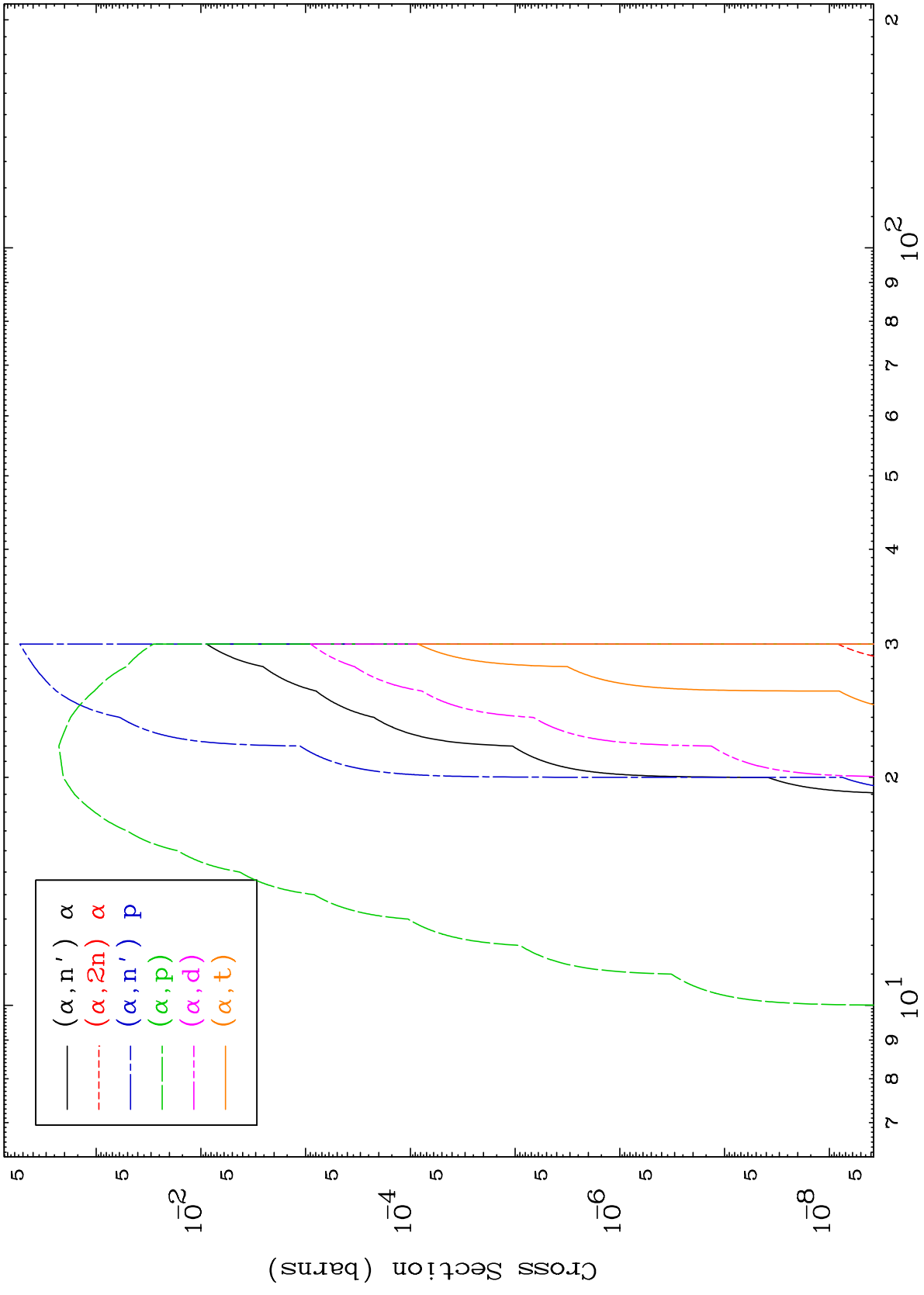
MAT 6207

0 Kelvin  $\alpha$  Major

$^{62}\text{Sm-138}$



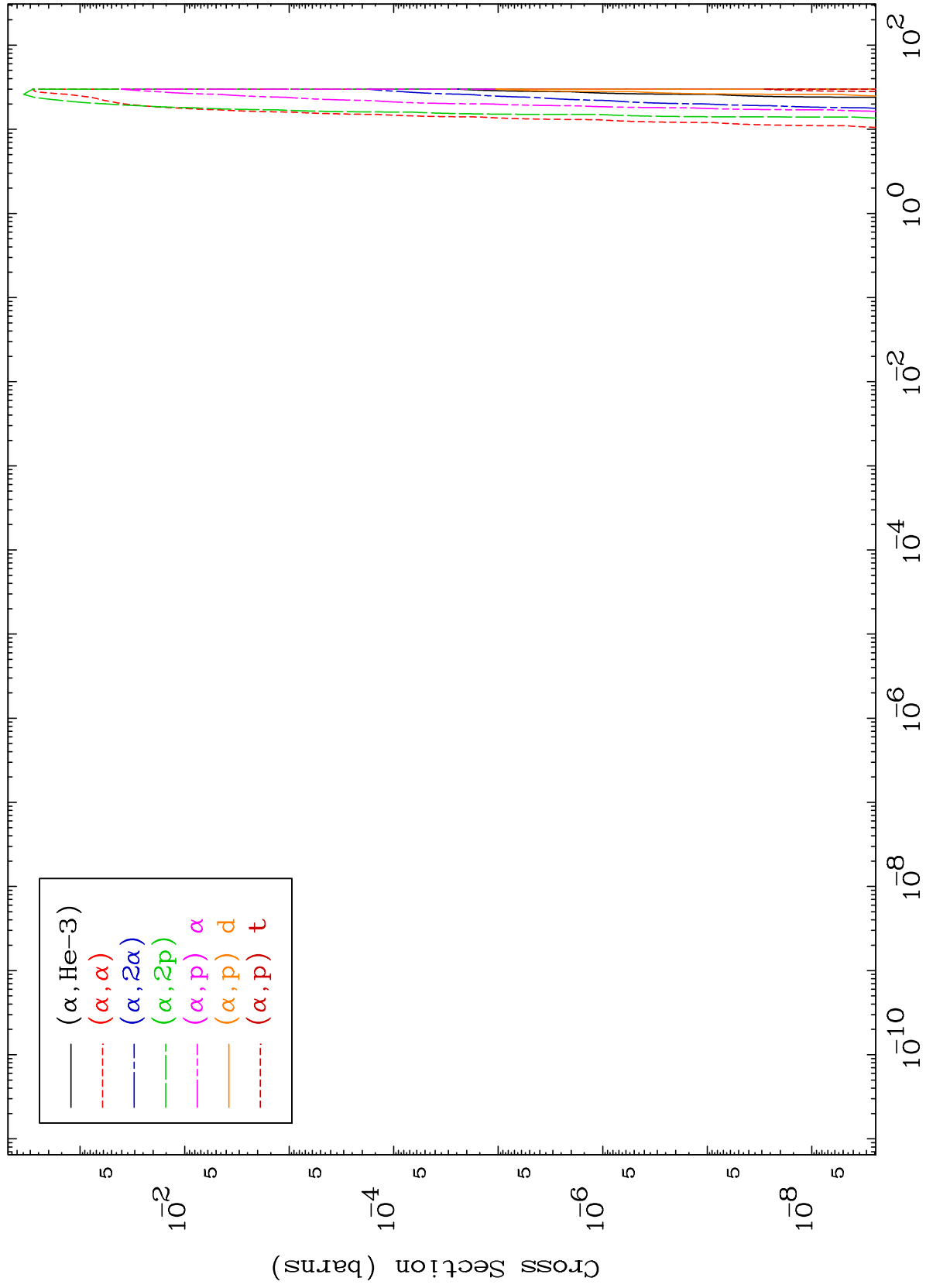




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$\alpha$  Charged Particle  
0 Kelvin Cross Sections

62-Sm-138

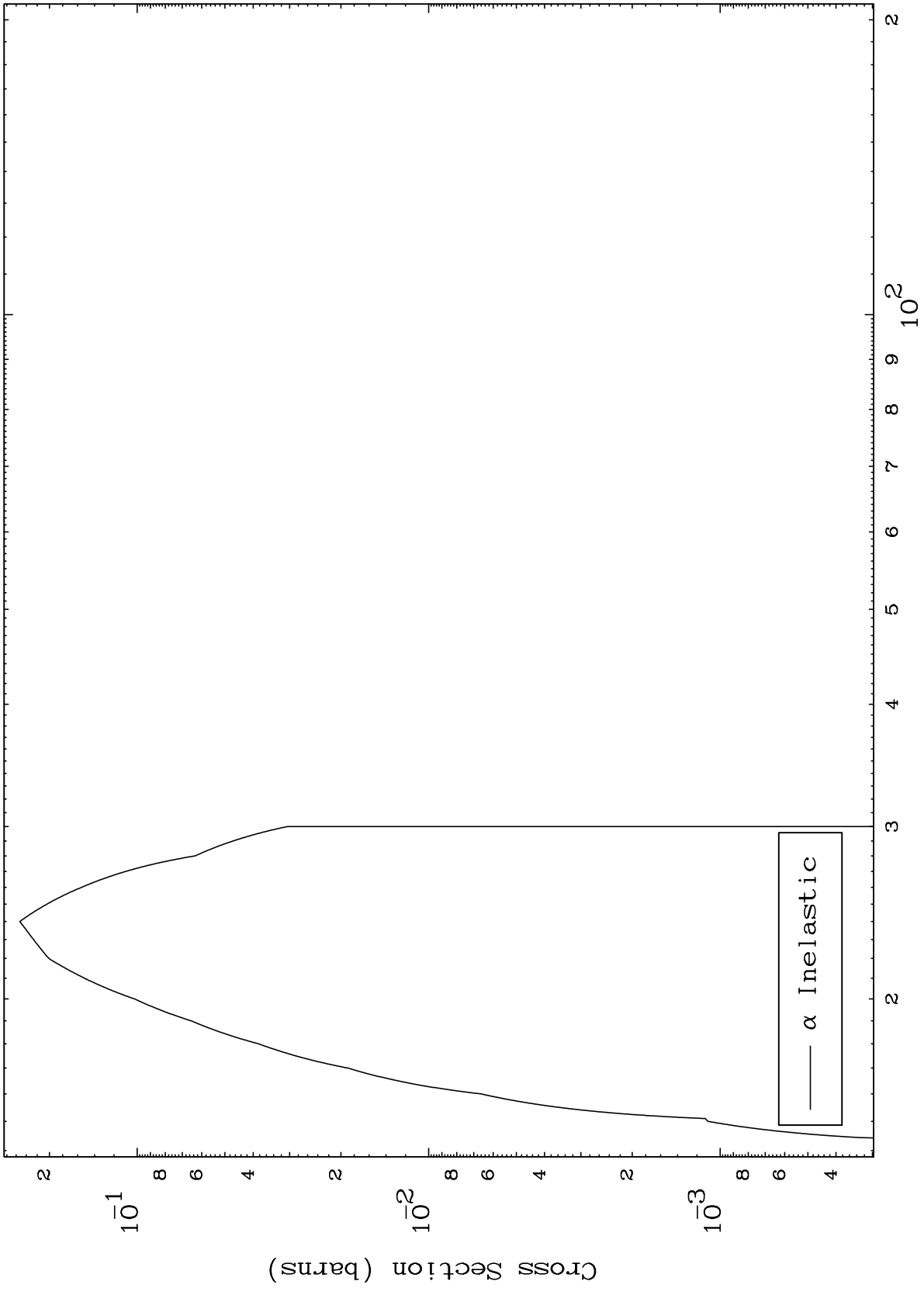


62-Sm-138

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

62-Sm-138

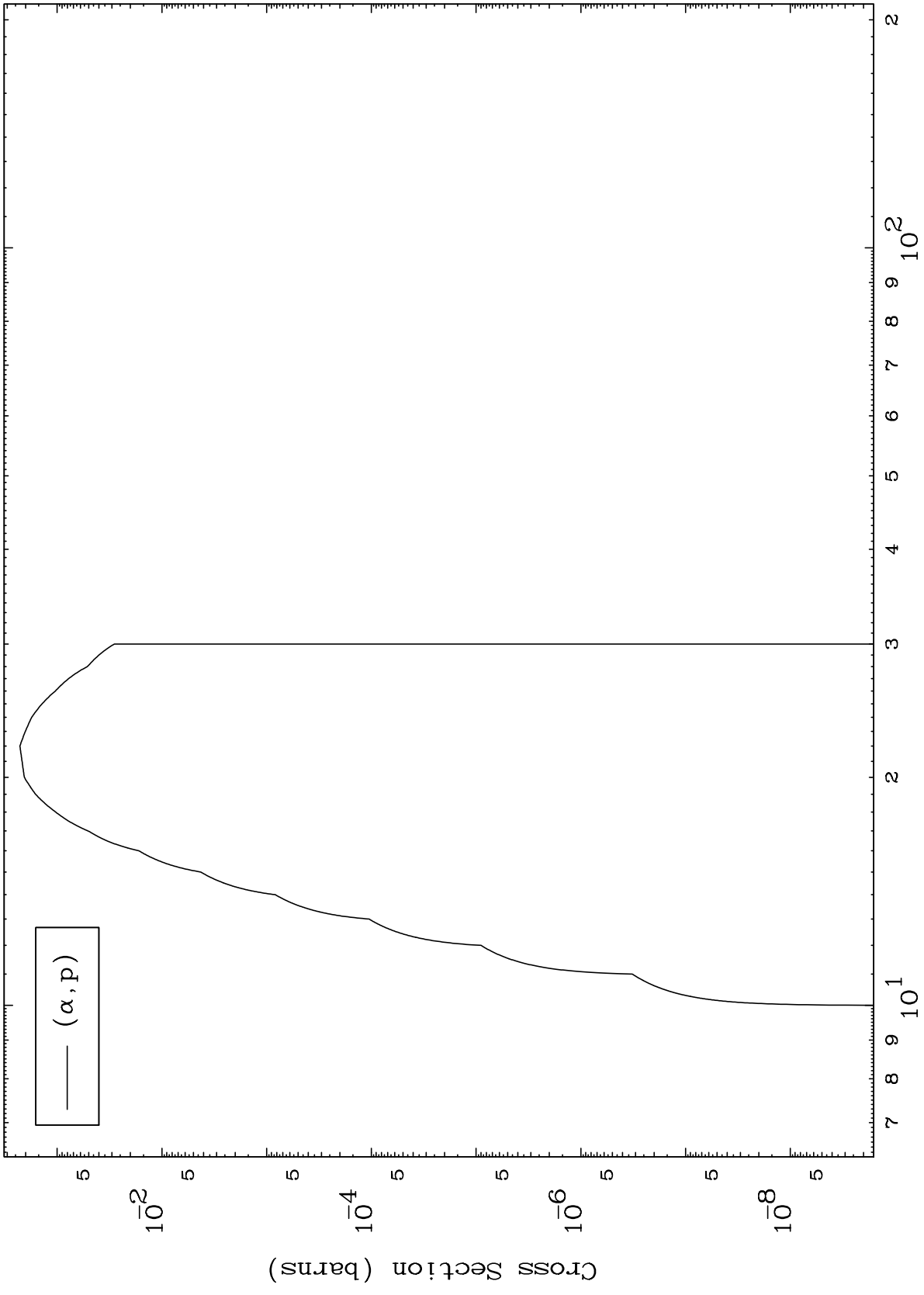


5

Incident Energy (MeV)

62-Sm-138

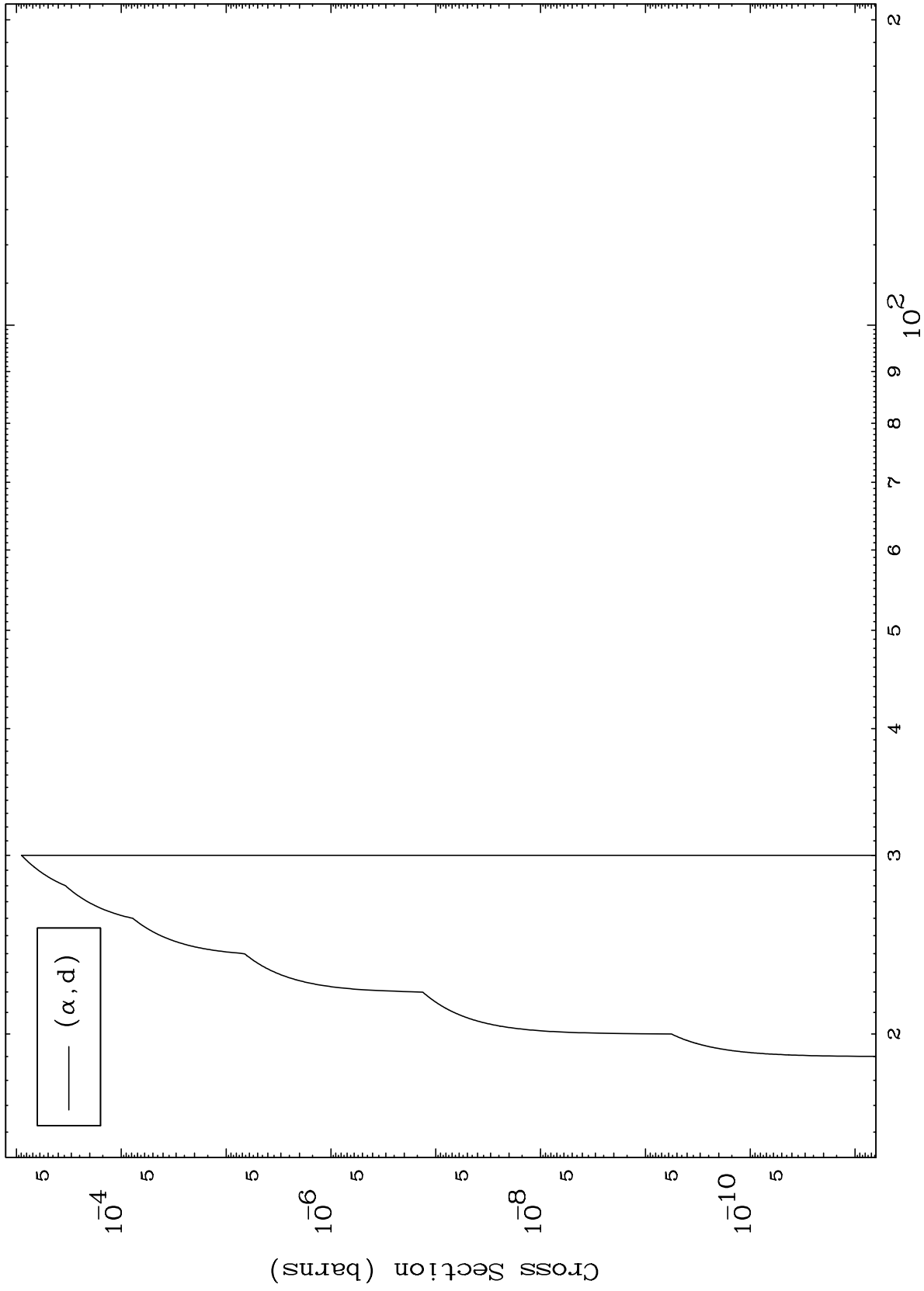
( $\alpha, p$ ) Levels  
0 Kelvin Cross Sections



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

62-Sm-138



7

Incident Energy (MeV)

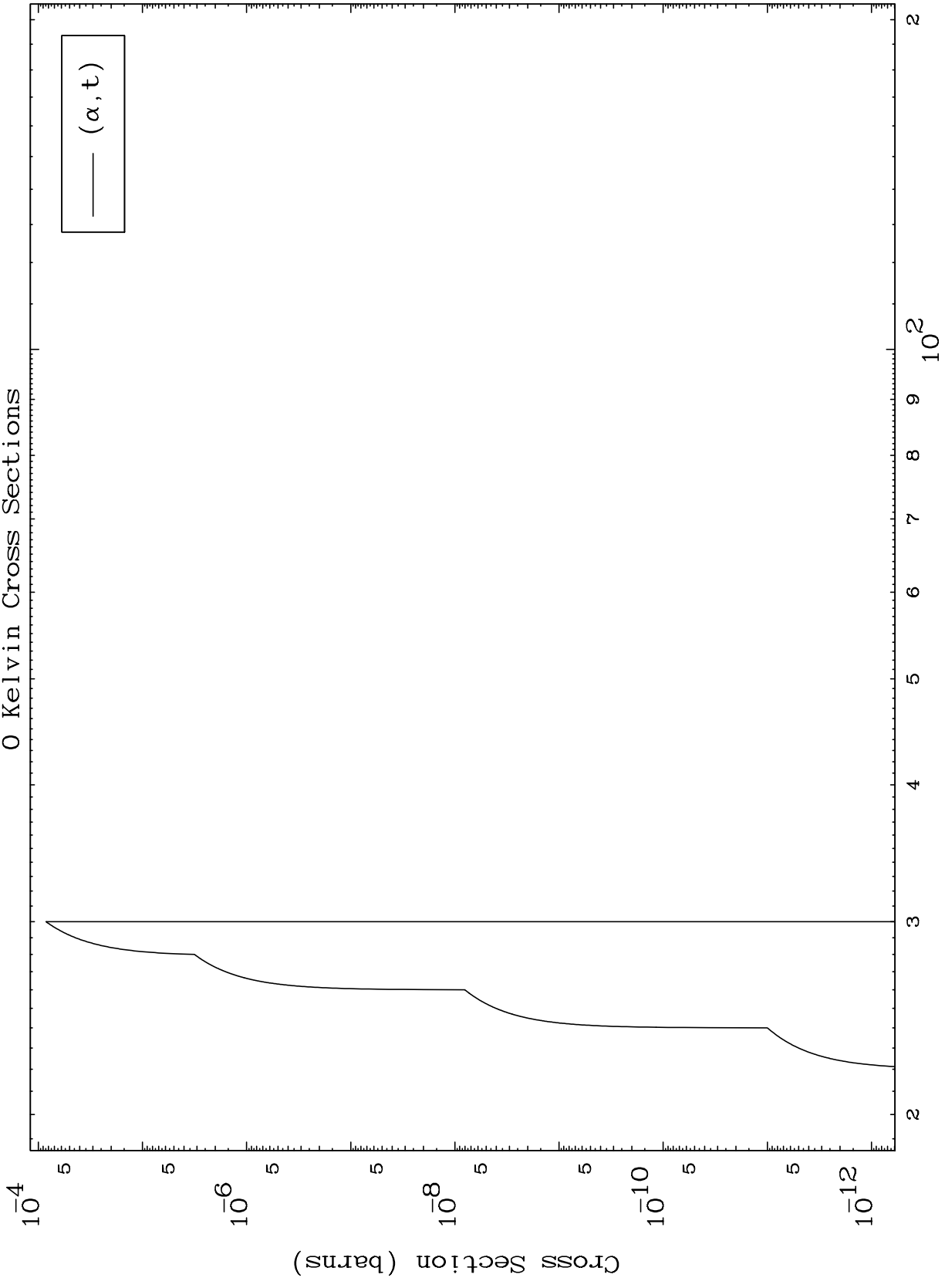
62-Sm-138



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

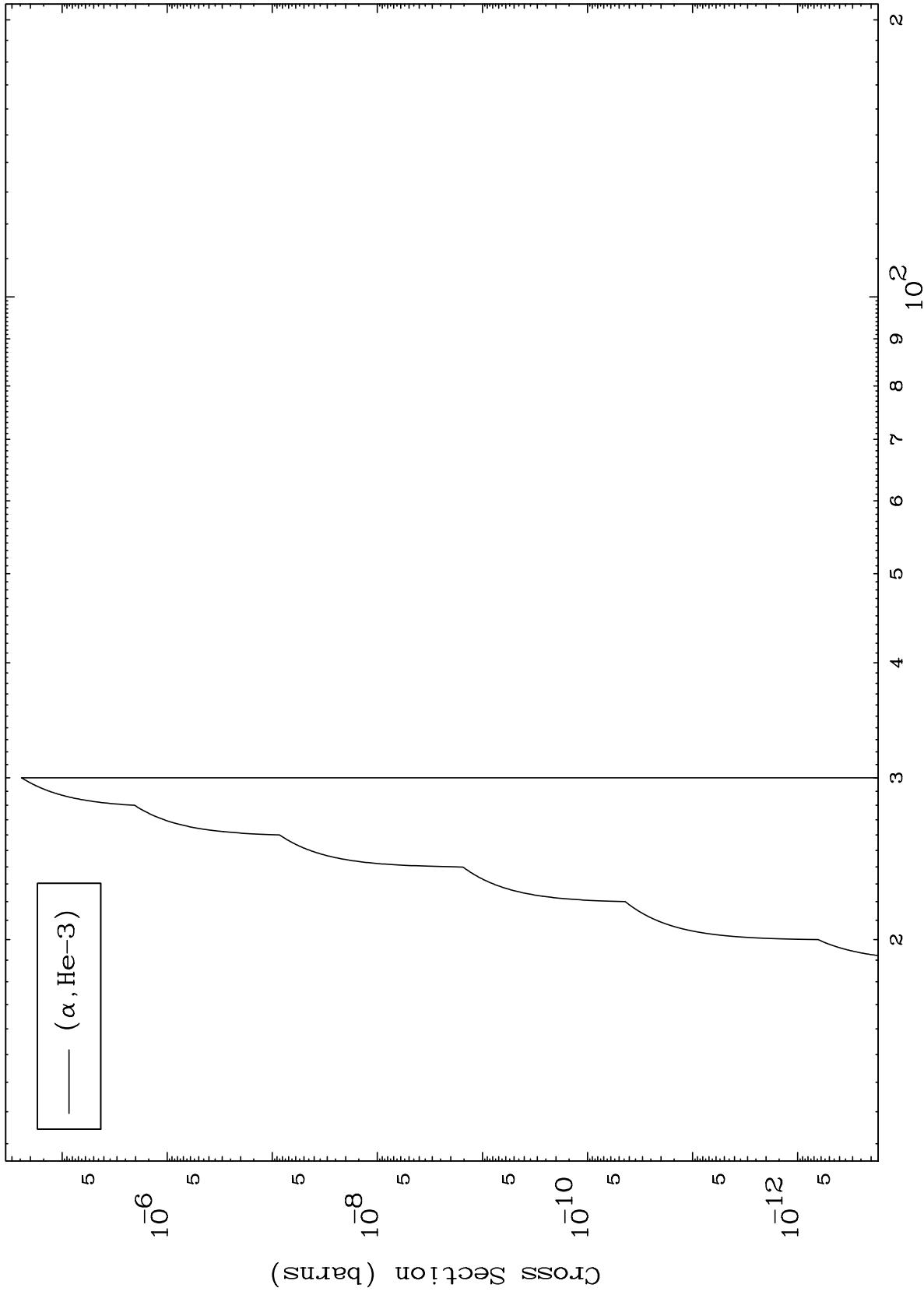
62-Sm-138



8

Incident Energy (MeV)

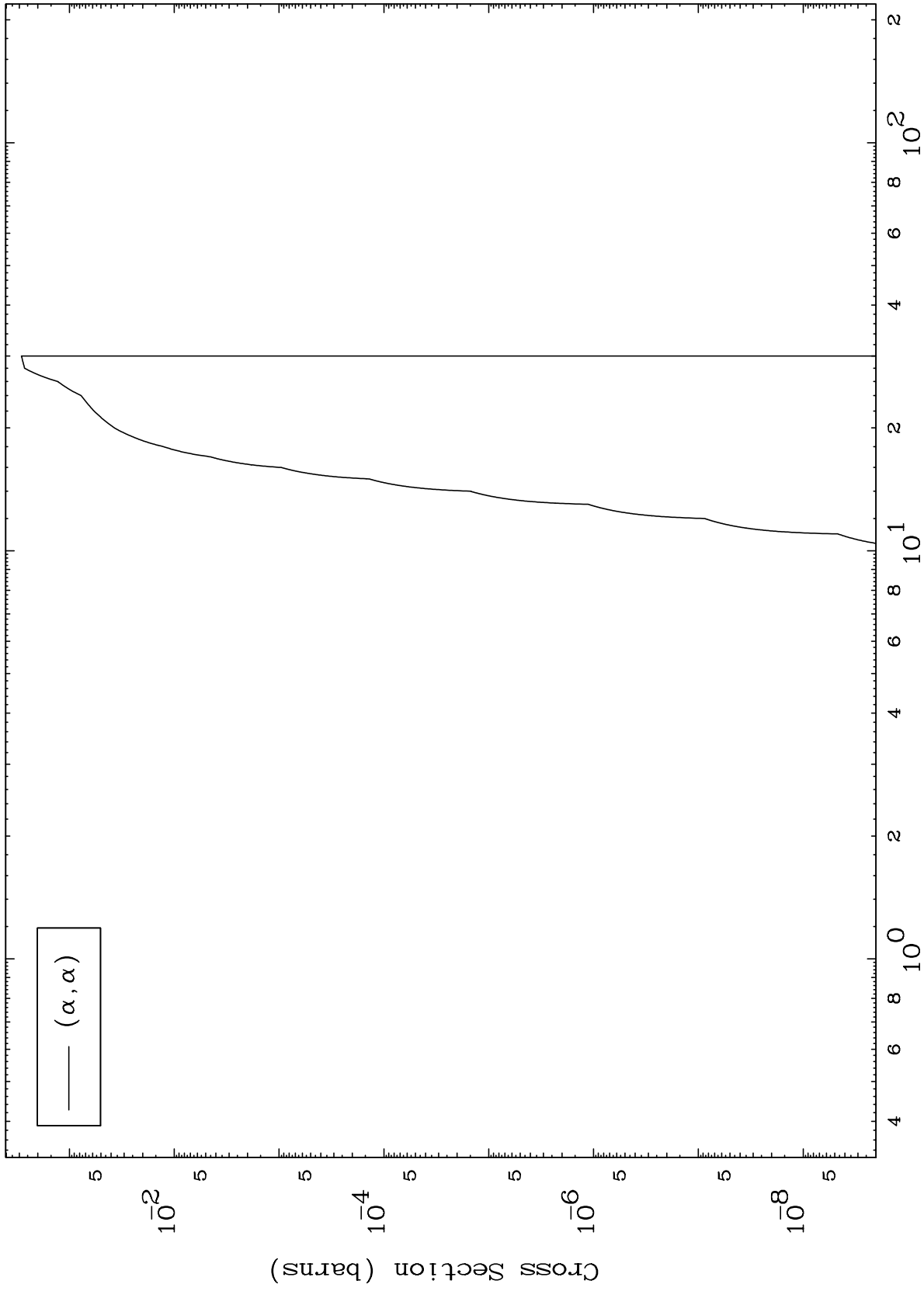
62-Sm-138



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

62-Sm-138

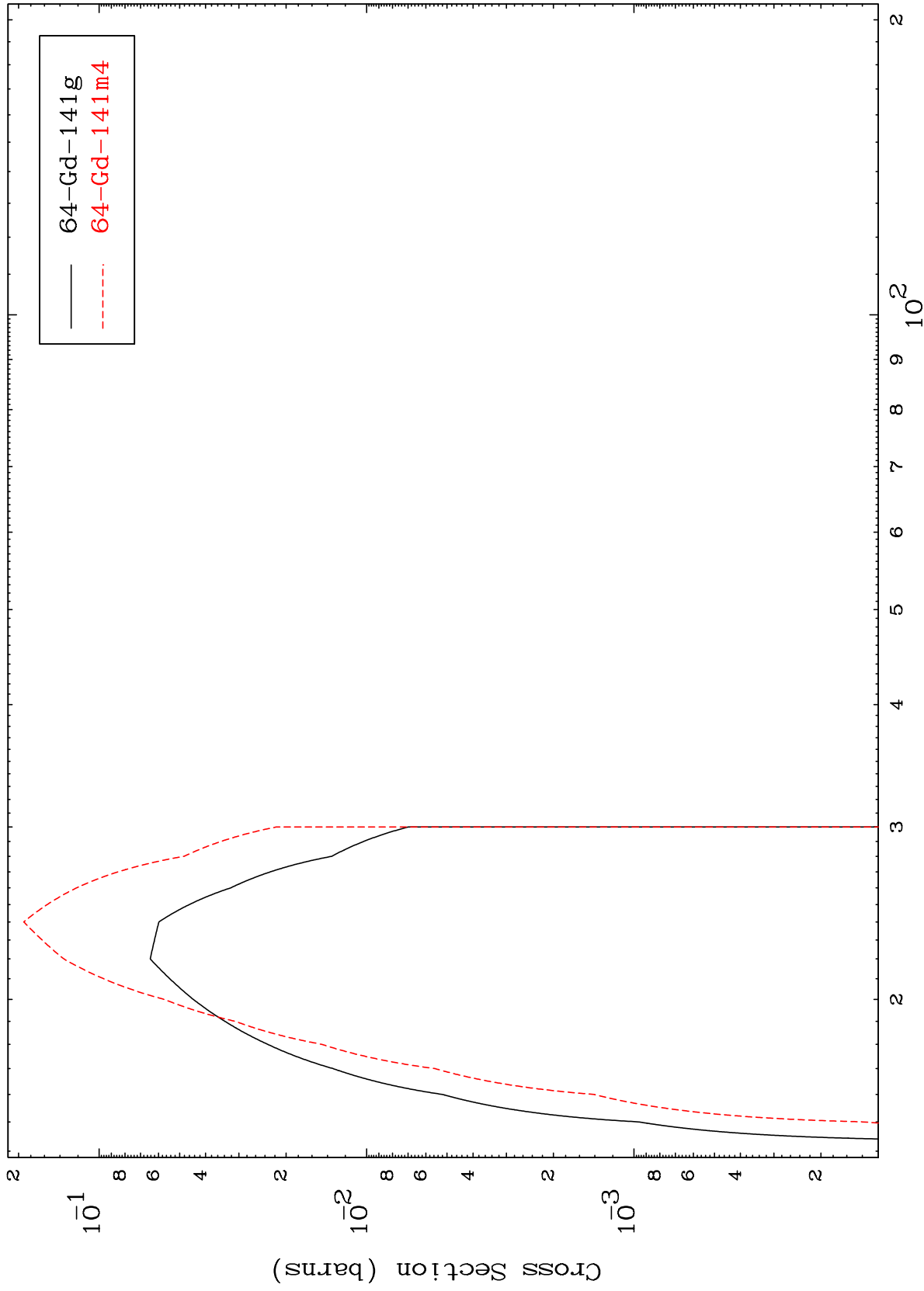


10

Incident Energy (MeV)

62-Sm-138

$\alpha$  Inelastic  
Radionuclide Production Cross Section

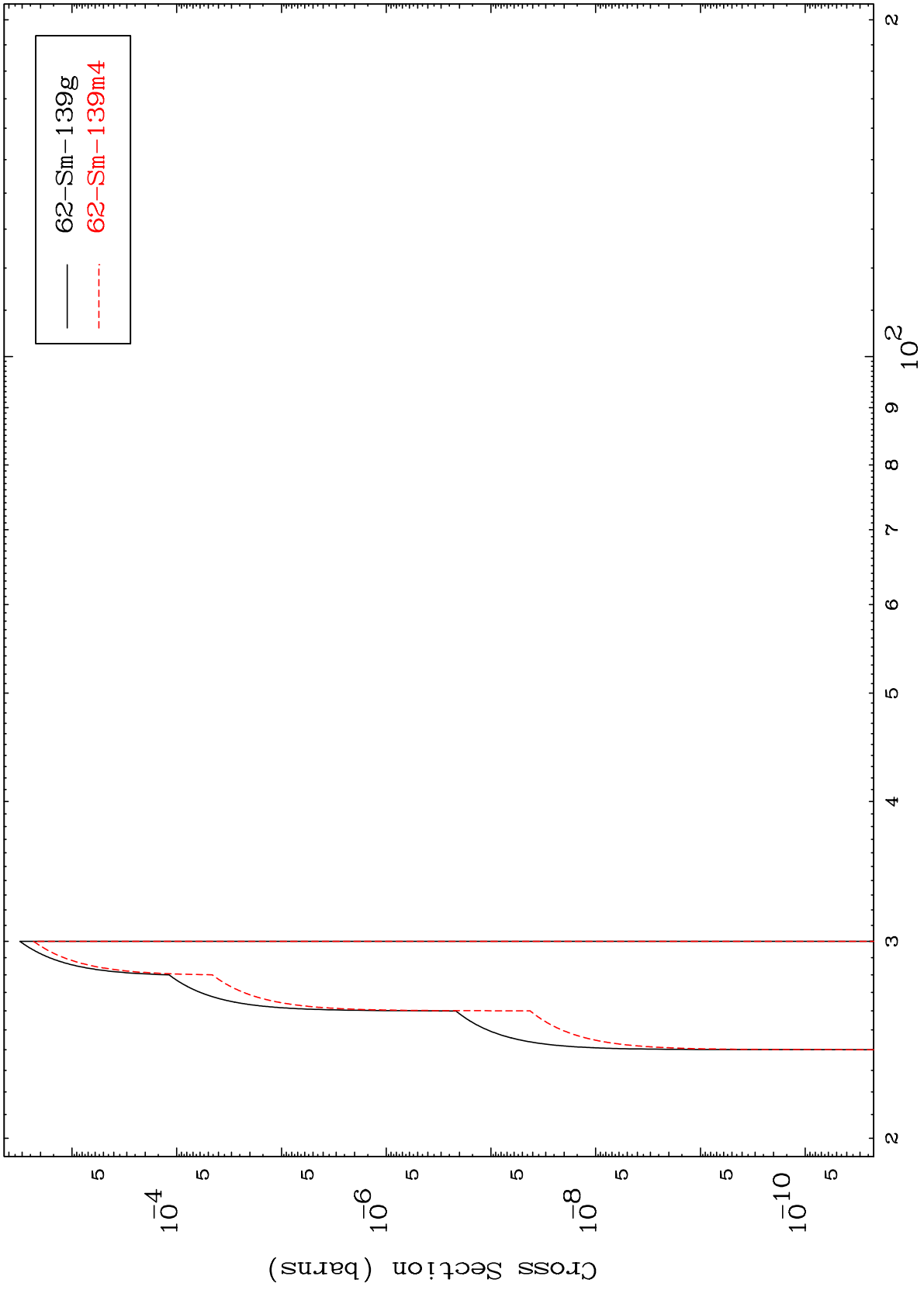


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( $\alpha, 2n$ ) p

62-Sm-138

Radionuclide Production Cross Section



12

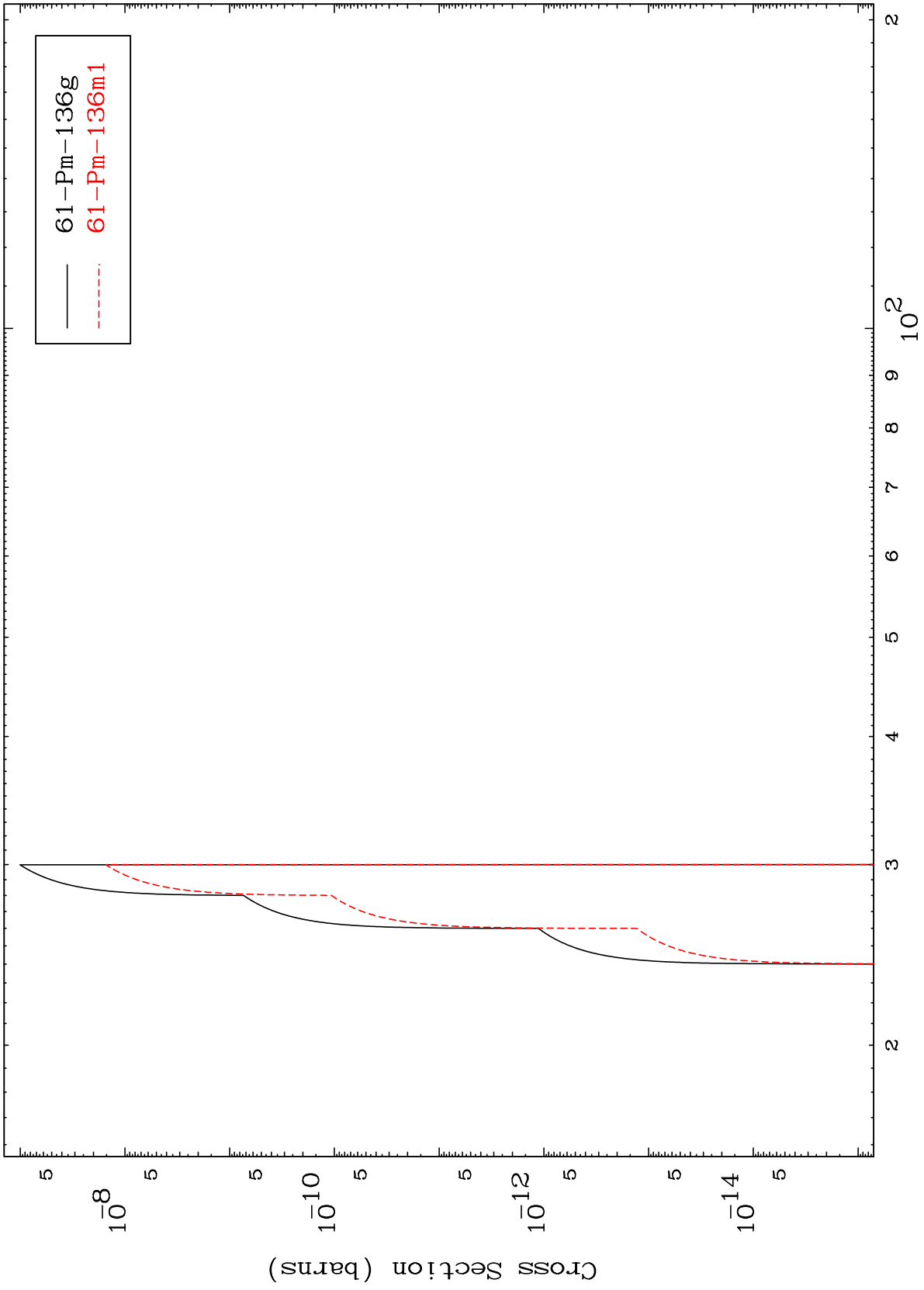
Incident Energy (MeV)

62-Sm-138

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62-Sm-138

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



13

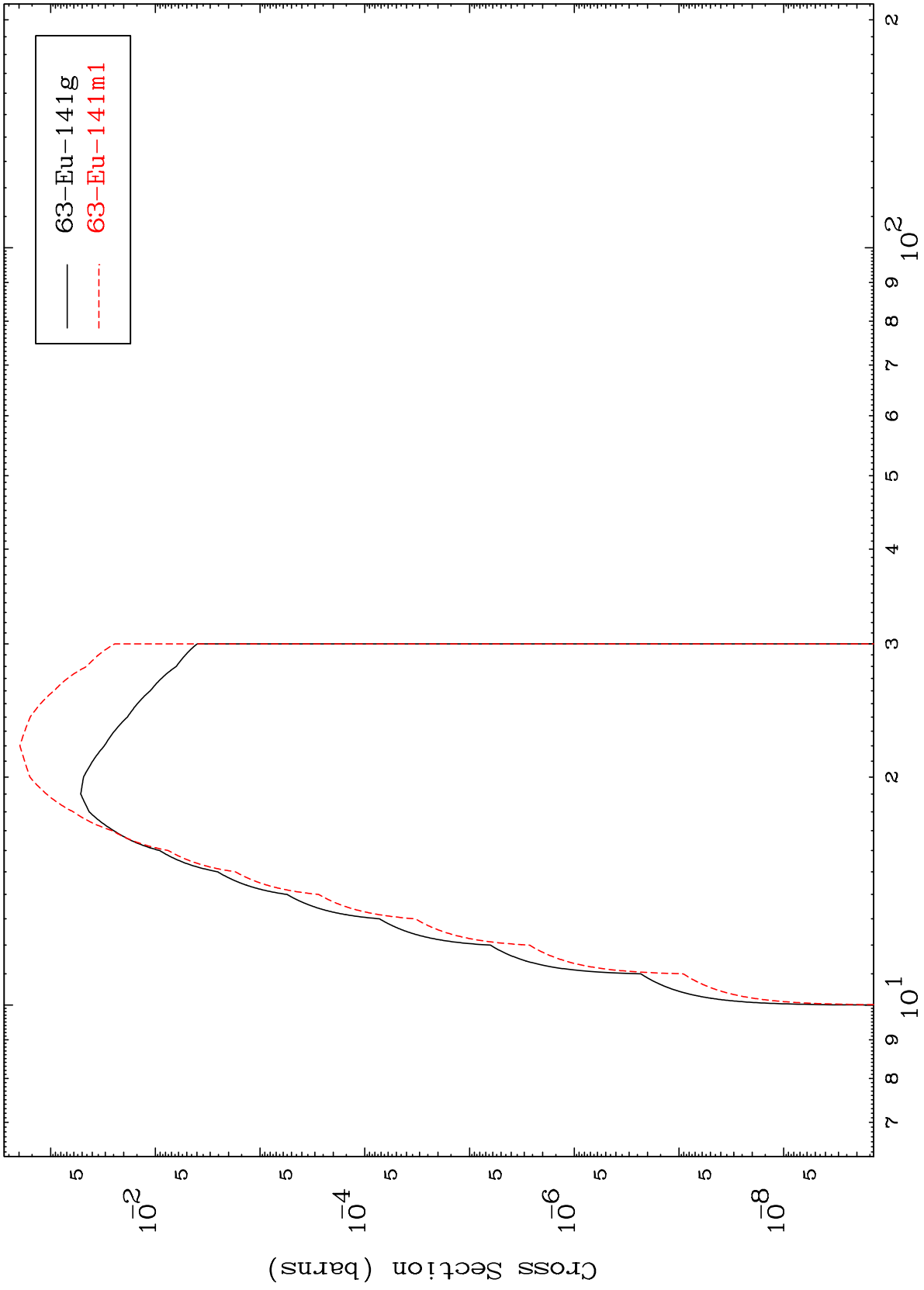
Incident Energy (MeV)

62-Sm-138

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62-Sm-138

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



14

Incident Energy (MeV)

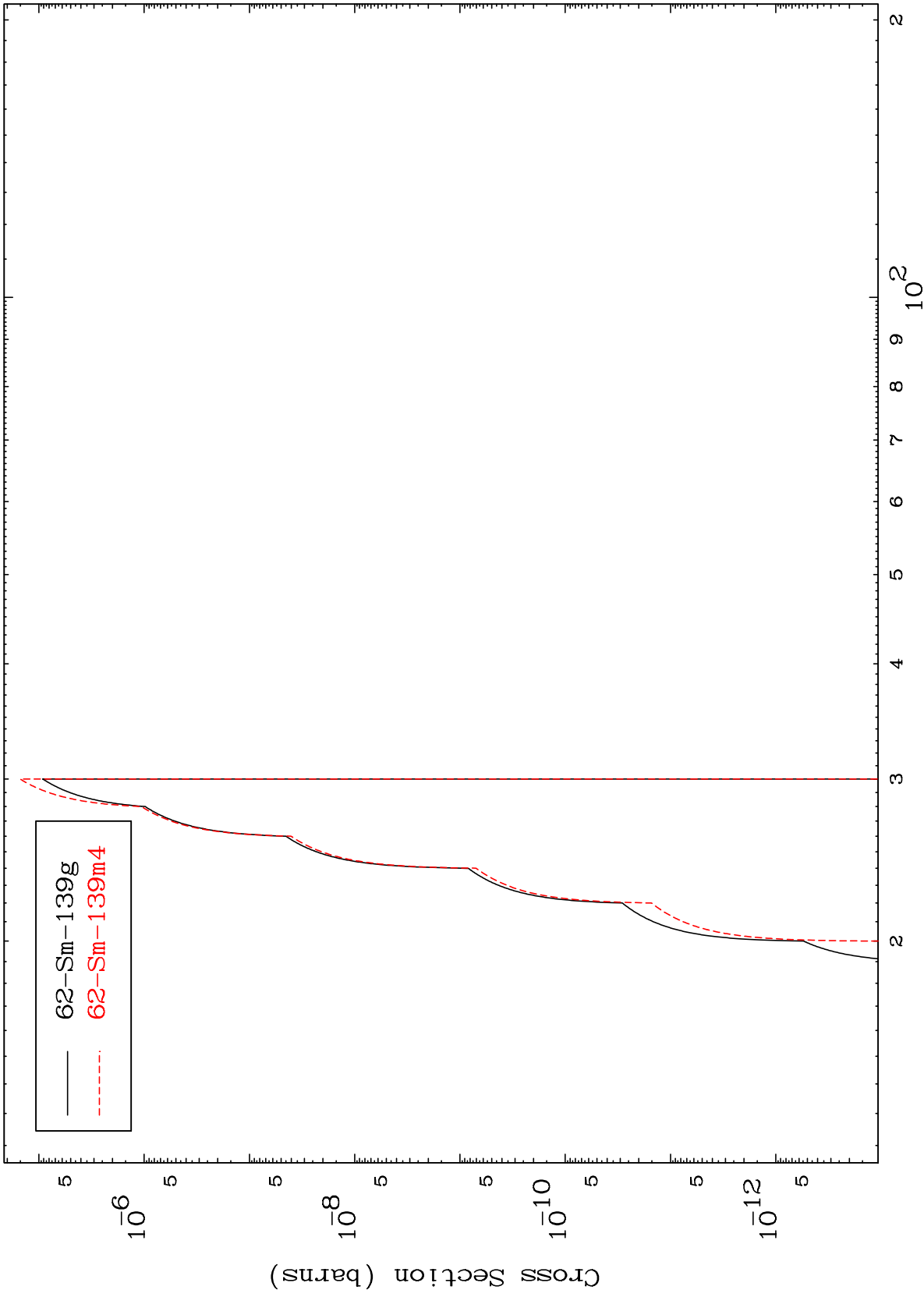
62-Sm-138

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

$^{62}\text{Sm-138}$

Radionuclide Production Cross Section



15

Incident Energy (MeV)

$^{62}\text{Sm-138}$

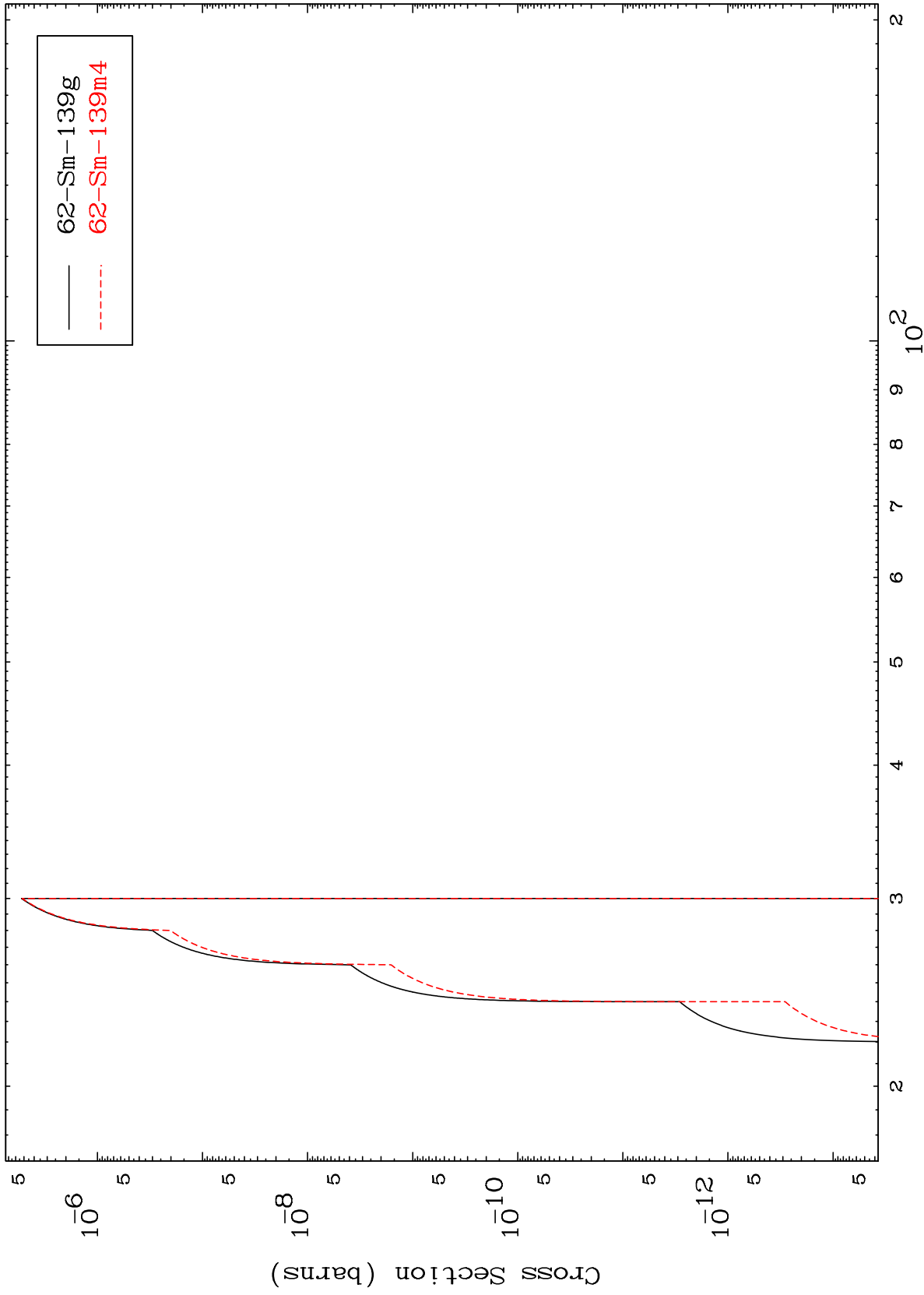


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( $\alpha, p$ ) d

$^{62}\text{Sm}-138$

Radionuclide Production Cross Section



16

Incident Energy (MeV)

$^{62}\text{Sm}-138$