

Program EVALPLOT  
(Version 2021-1)

by

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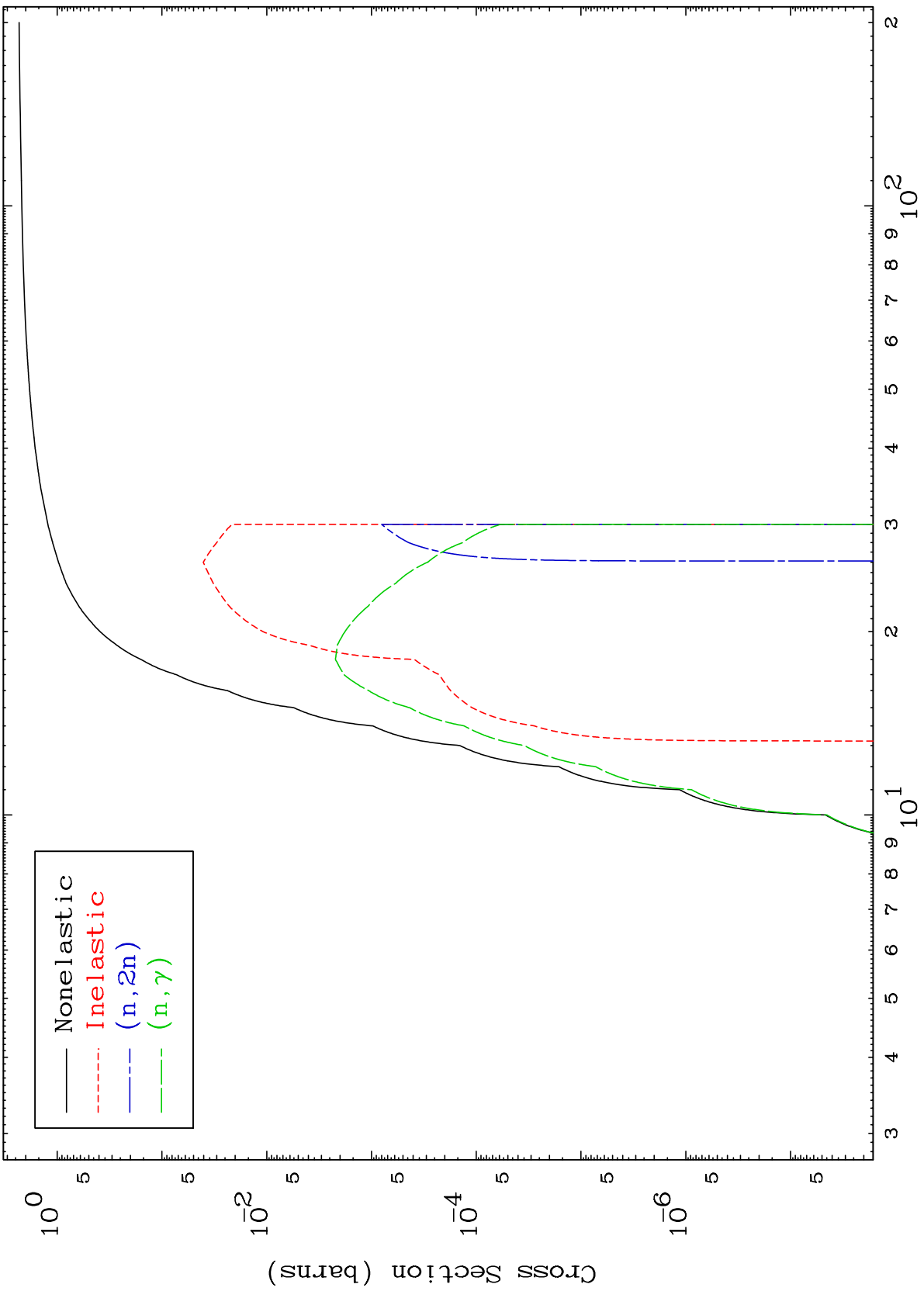
Press Mouse Button to Start

MAT 6198

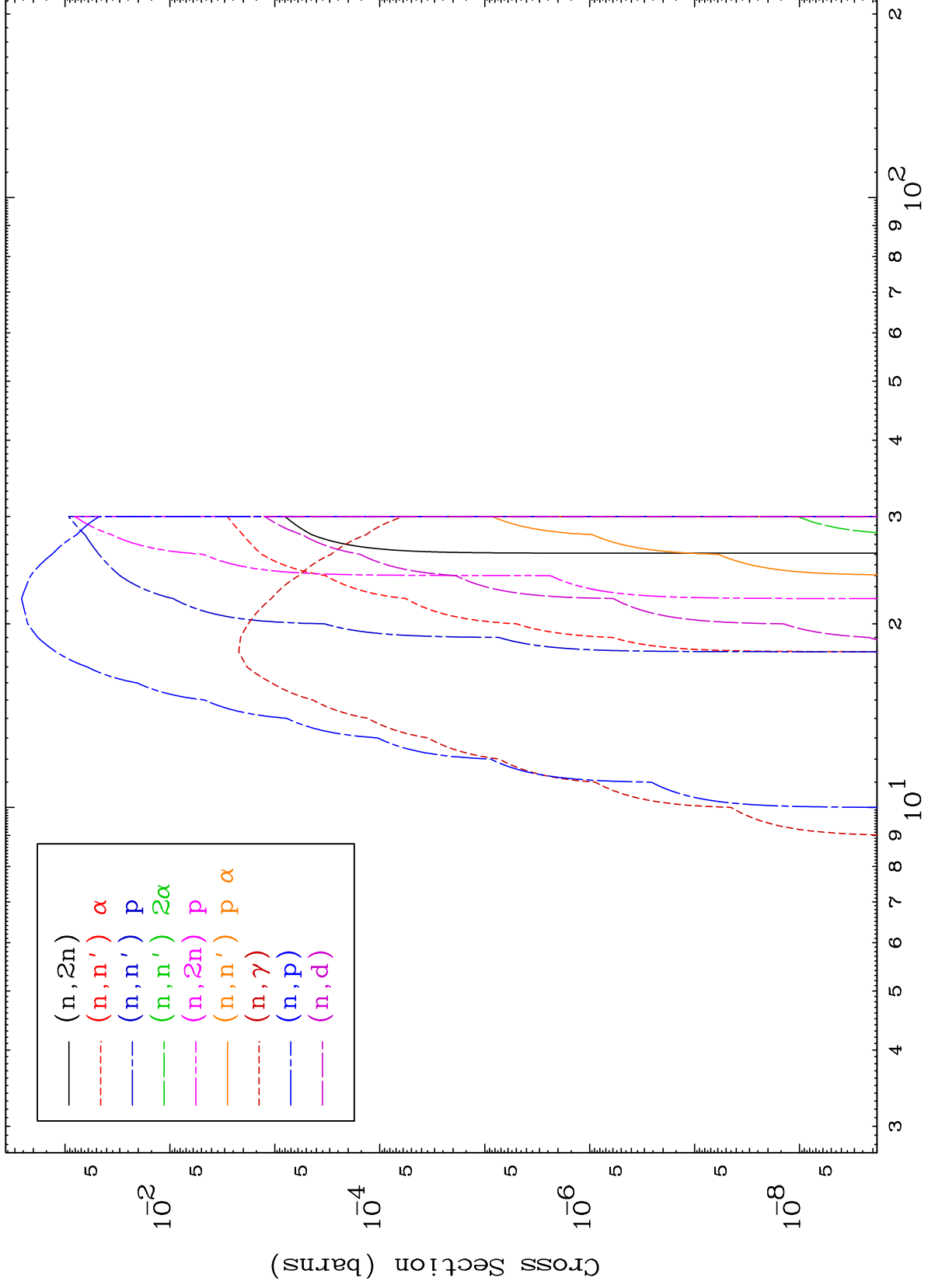
$\alpha$  Major

62-Sm-135

0 Kelvin Cross Sections



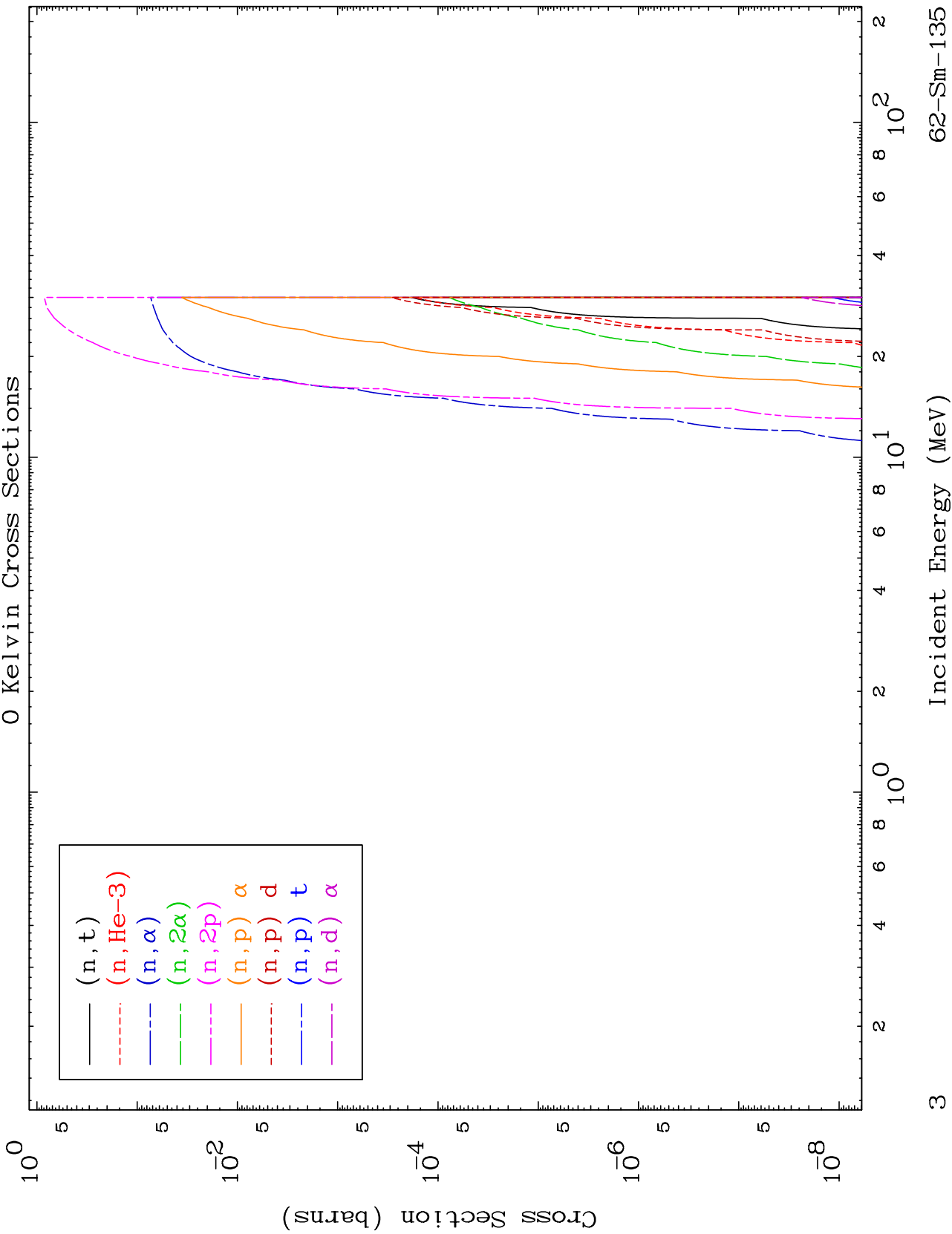
Legend:  
— Nonelastic  
- - - Inelastic  
- · -  $(n, 2n)$   
- - -  $(n, \gamma)$



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$\alpha$  Neutron Absorption  
0 Kelvin Cross Sections

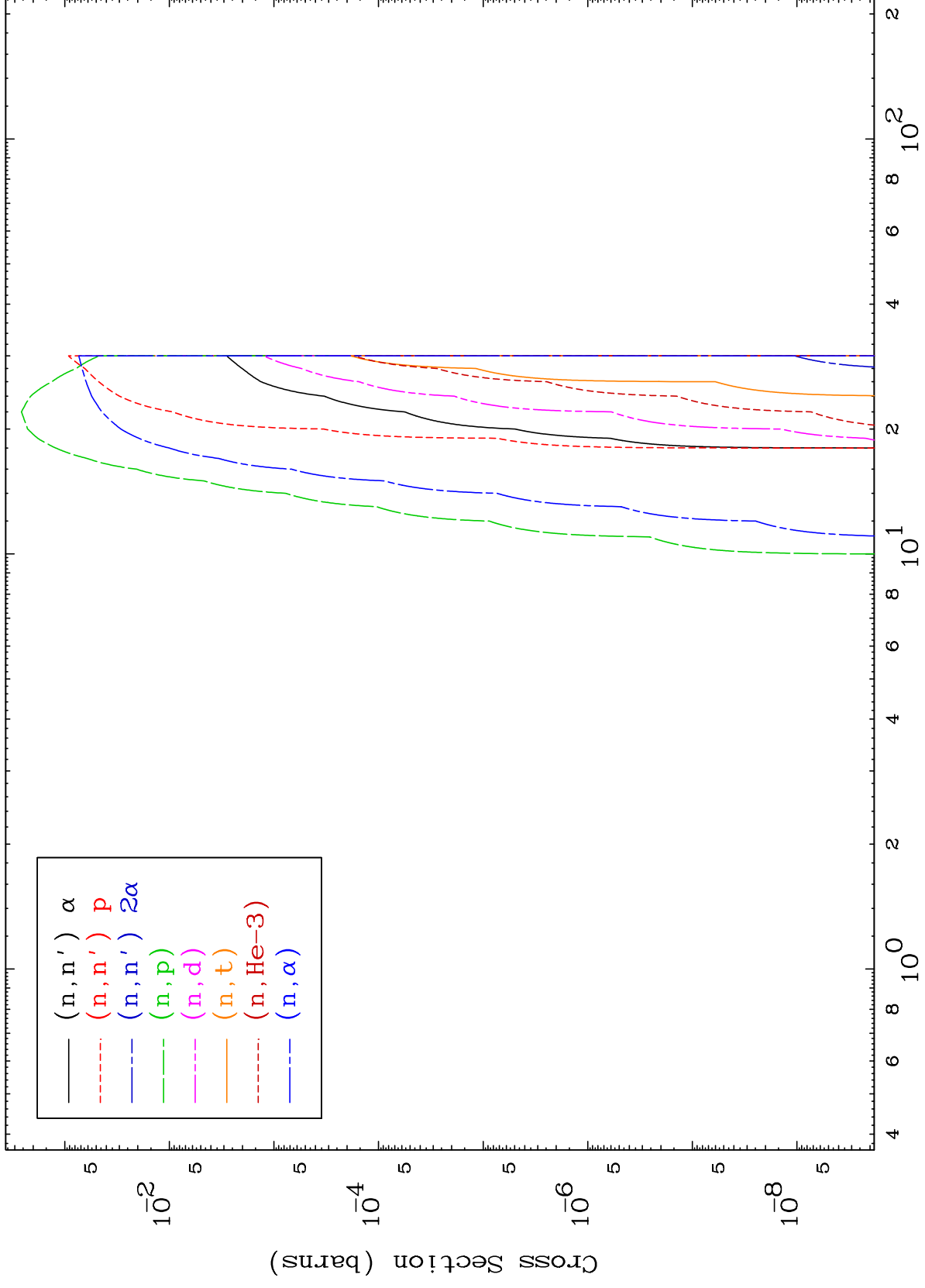
62-Sm-135

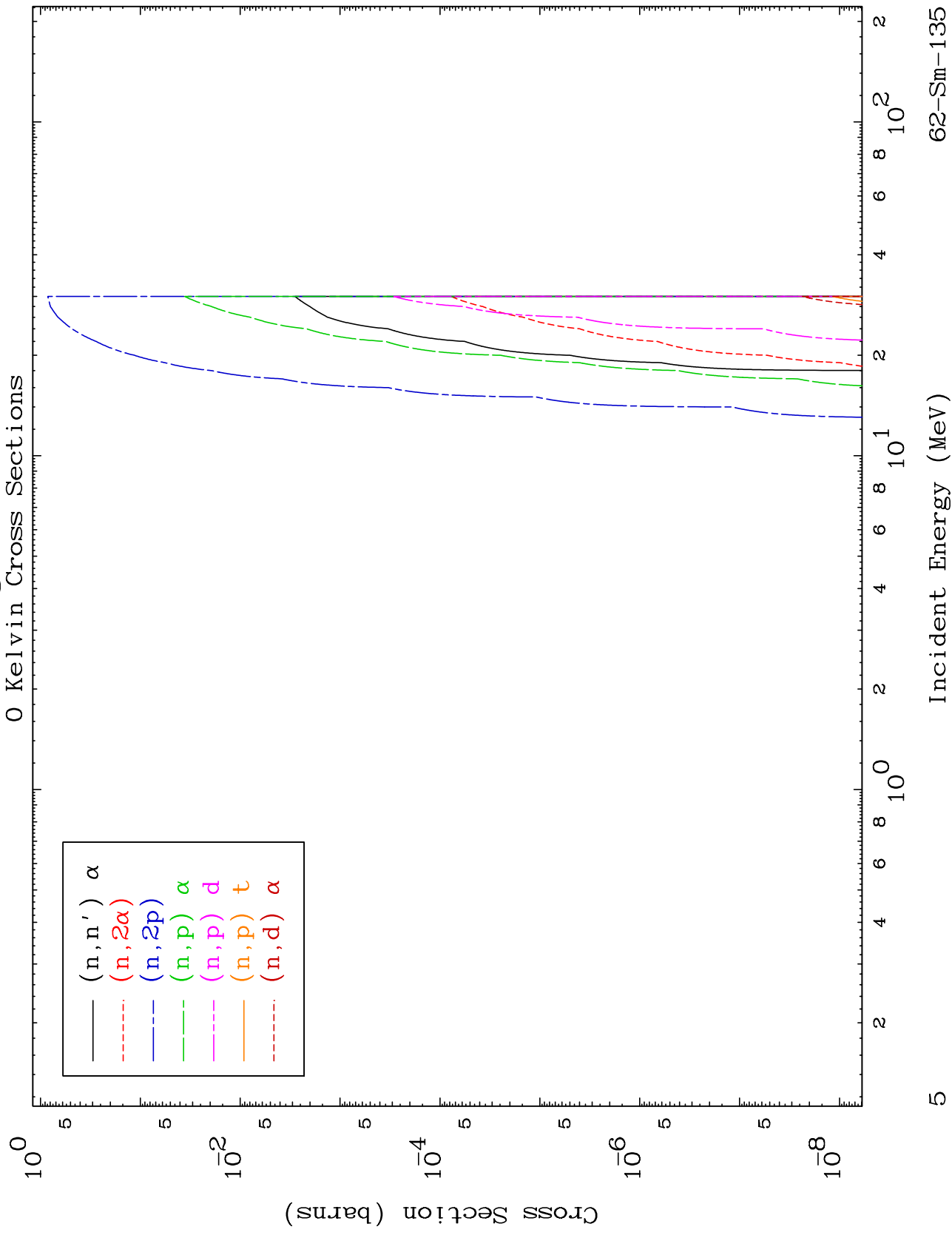


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$\alpha$  Charged Particle  
0 Kelvin Cross Sections

62-Sm-135

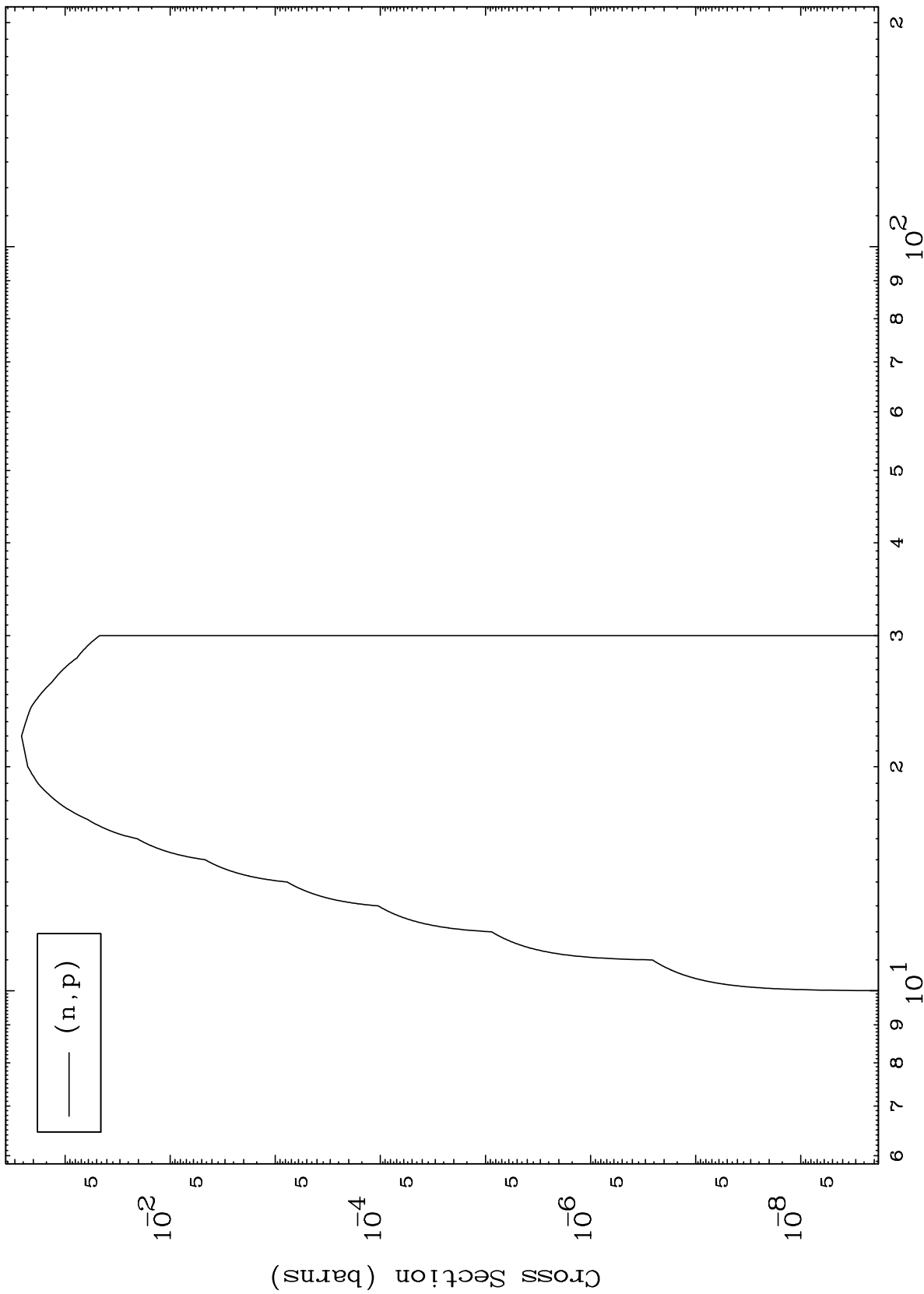




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62-Sm-135

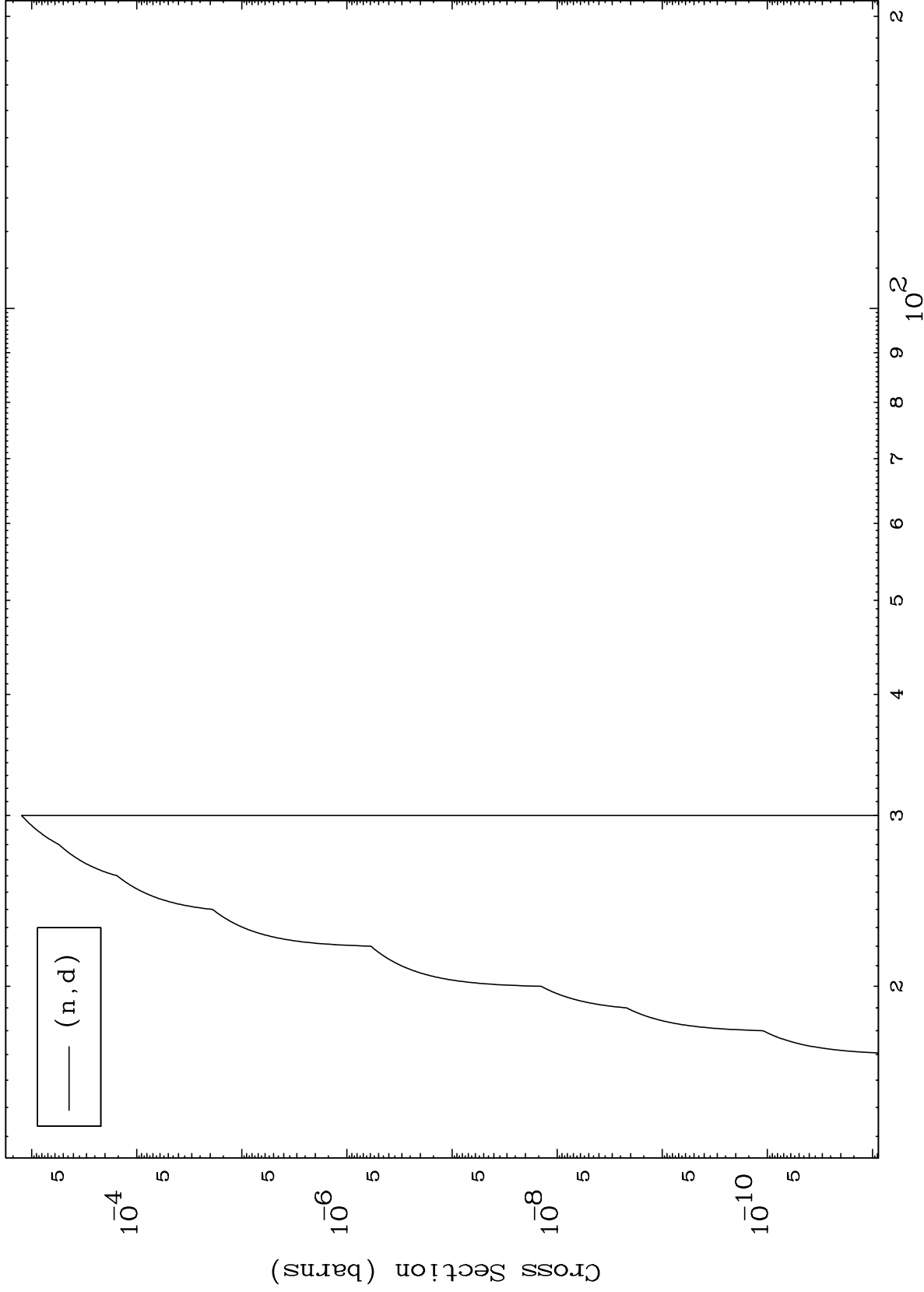
( $\alpha, p$ ) Levels  
0 Kelvin Cross Sections



62-Sm-135

Incident Energy (MeV)

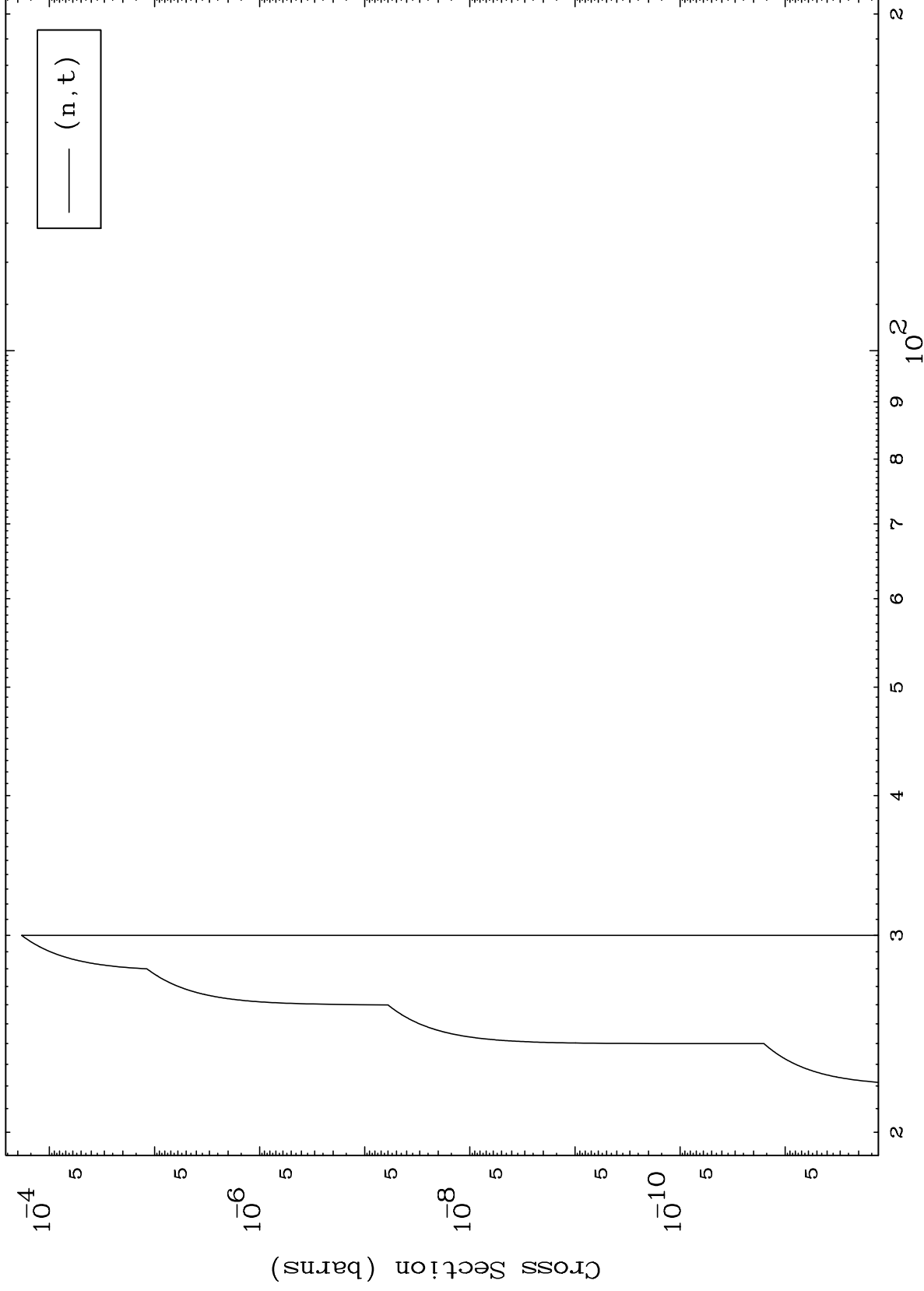
6



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

62-Sm-135



8

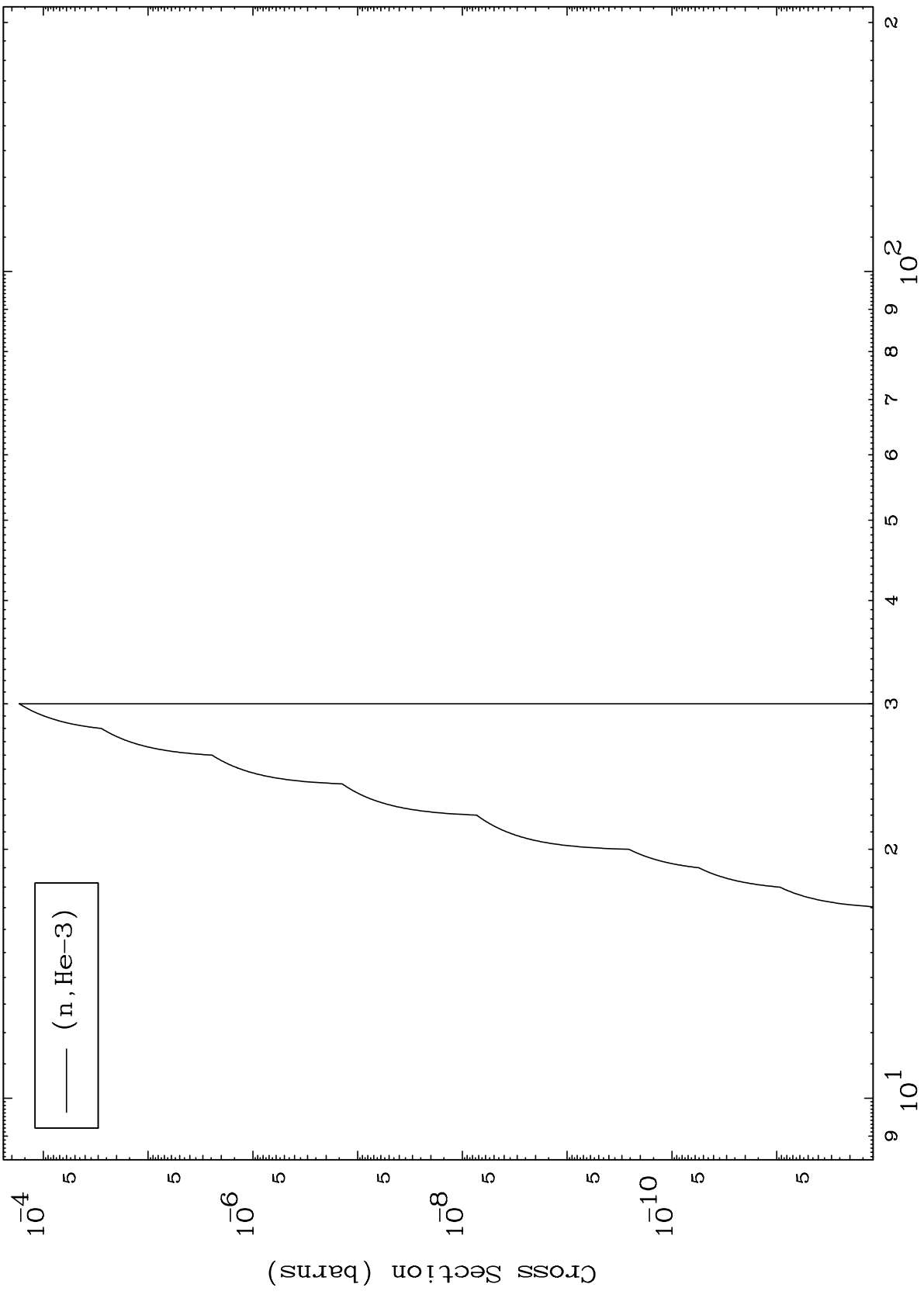
Incident Energy (MeV)

62-Sm-135

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62-Sm-135

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



62-Sm-135

Incident Energy (MeV)

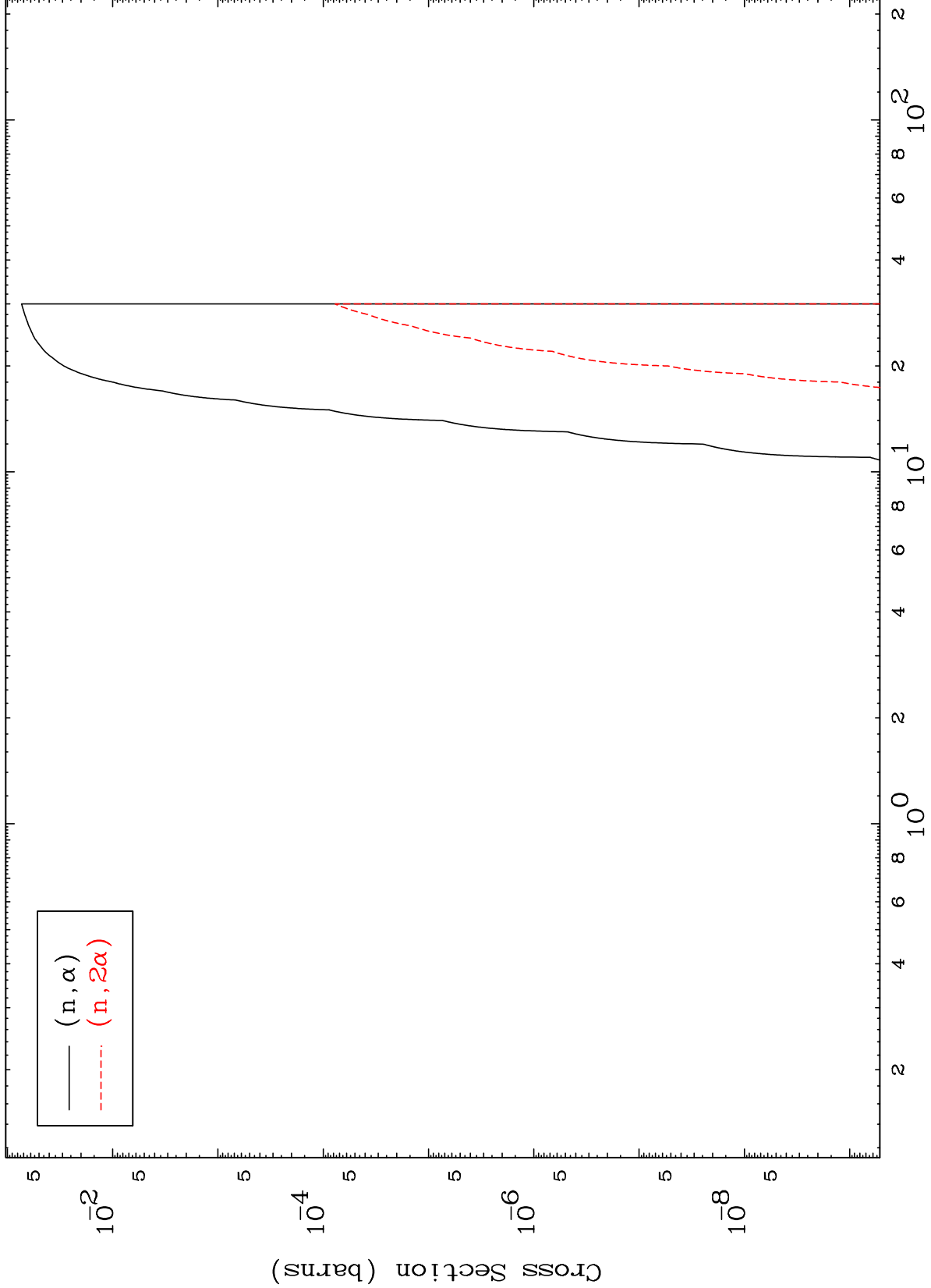
9

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( $\alpha, \alpha$ ) Levels

62-Sm-135

0 Kelvin Cross Sections



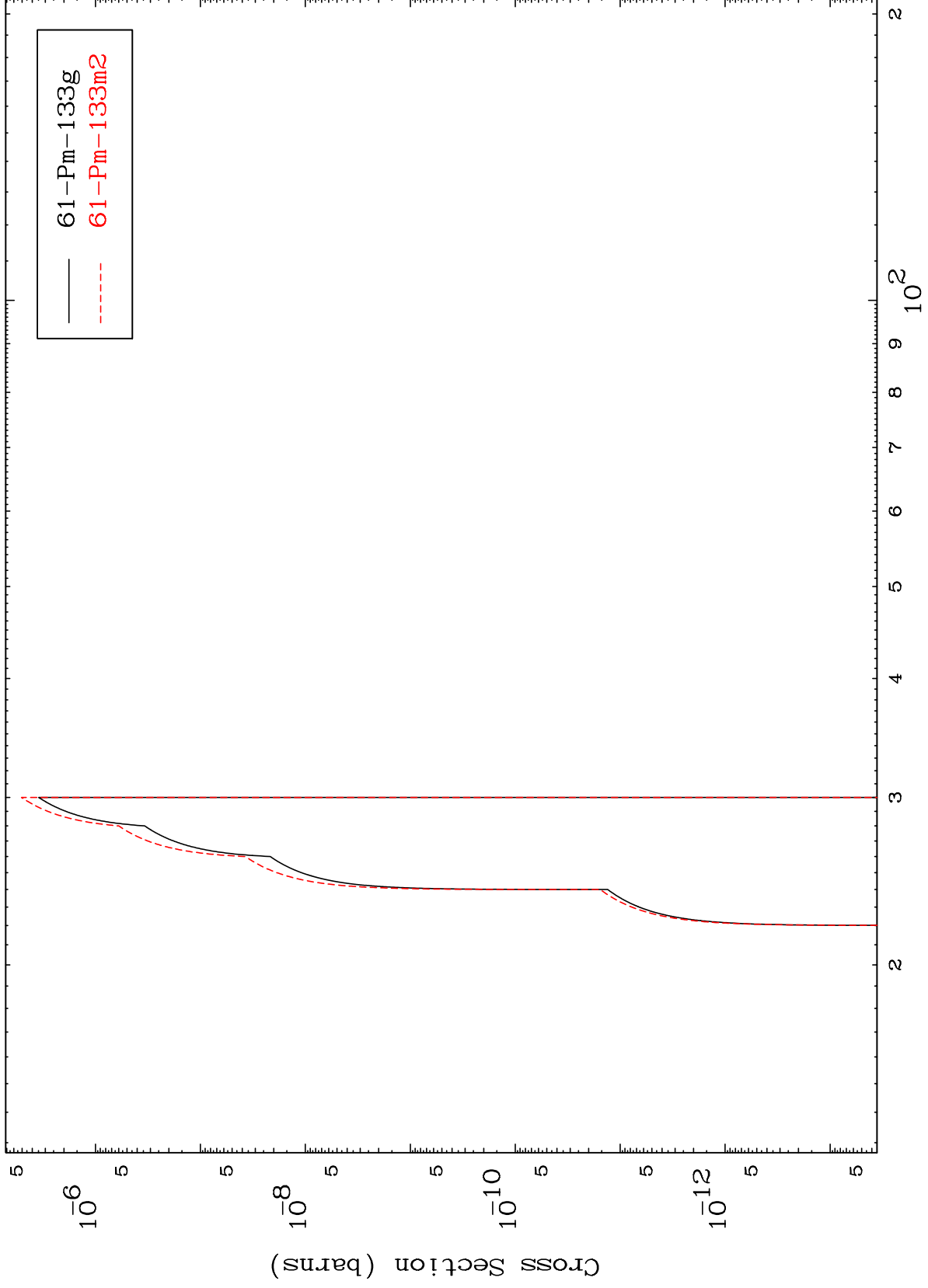
— (n,  $\alpha$ )  
- - - (n,  $2\alpha$ )

10

Incident Energy (MeV)

62-Sm-135

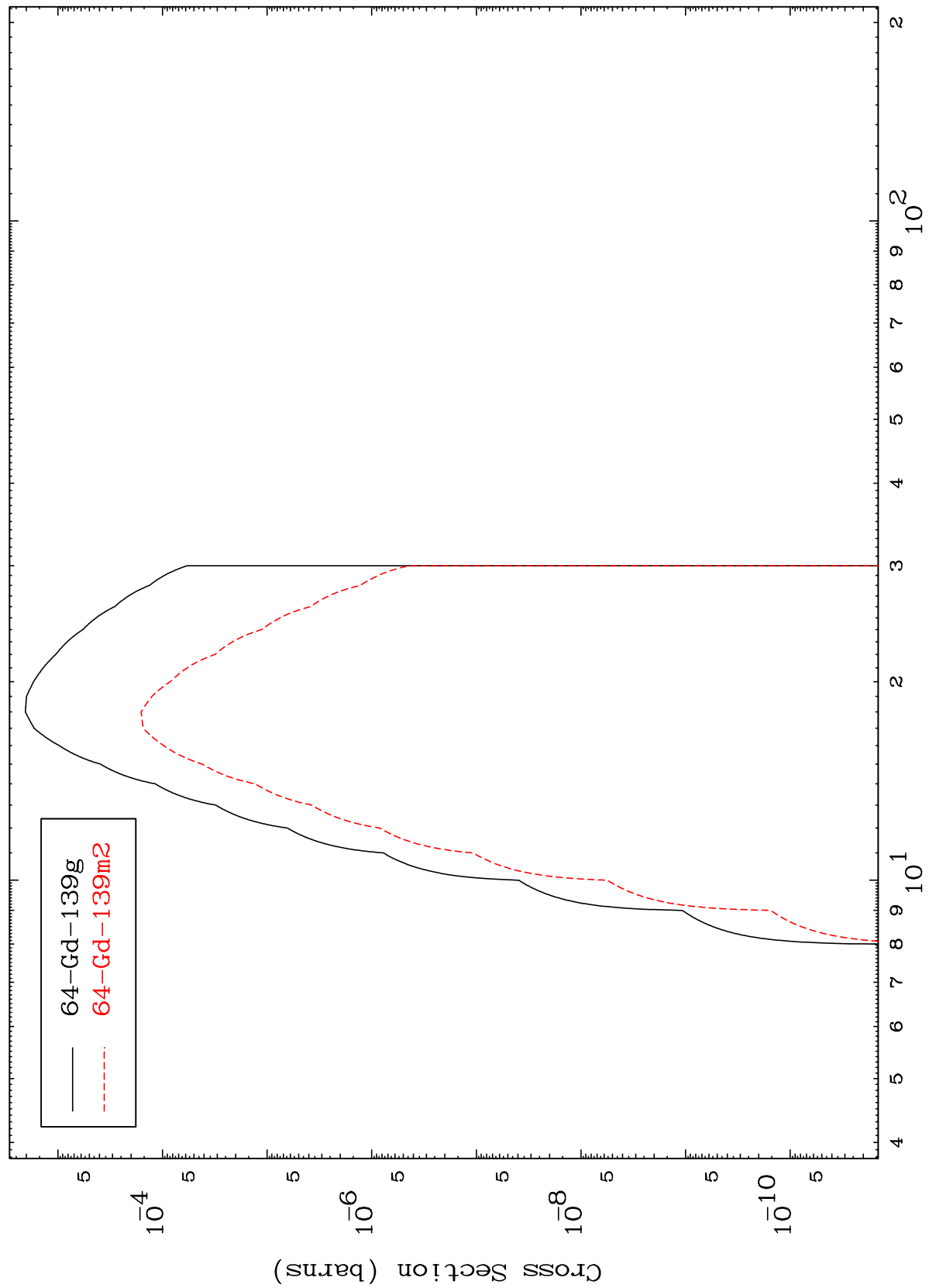
(n,n') p  $\alpha$   
Radionuclide Production Cross Section



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62-Sm-135

Radionuclide Production Cross Section  
(n,γ)



12

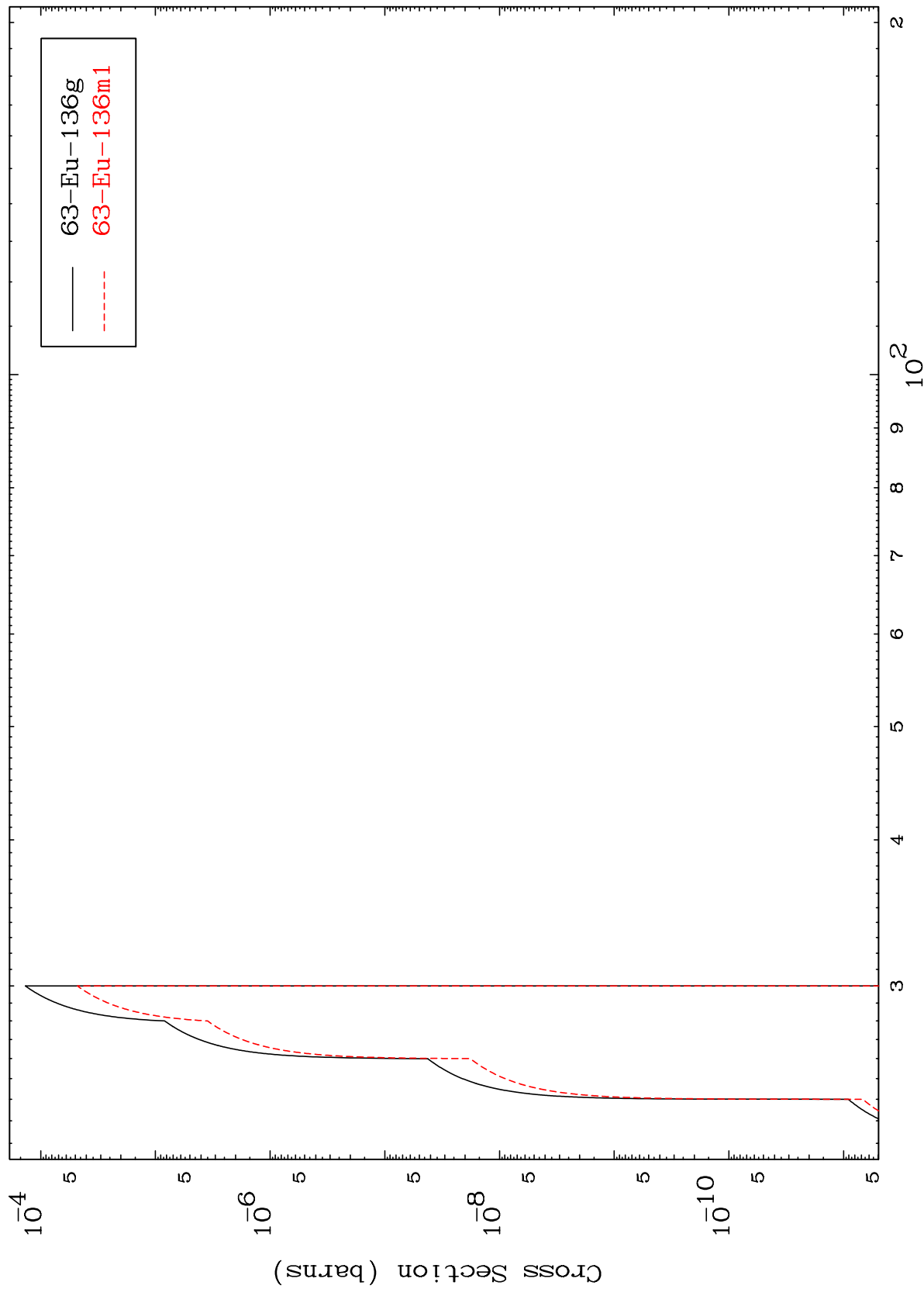
Incident Energy (MeV)

62-Sm-135

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62-Sm-135

(n, t)  
Radionuclide Production Cross Section



13

62-Sm-135

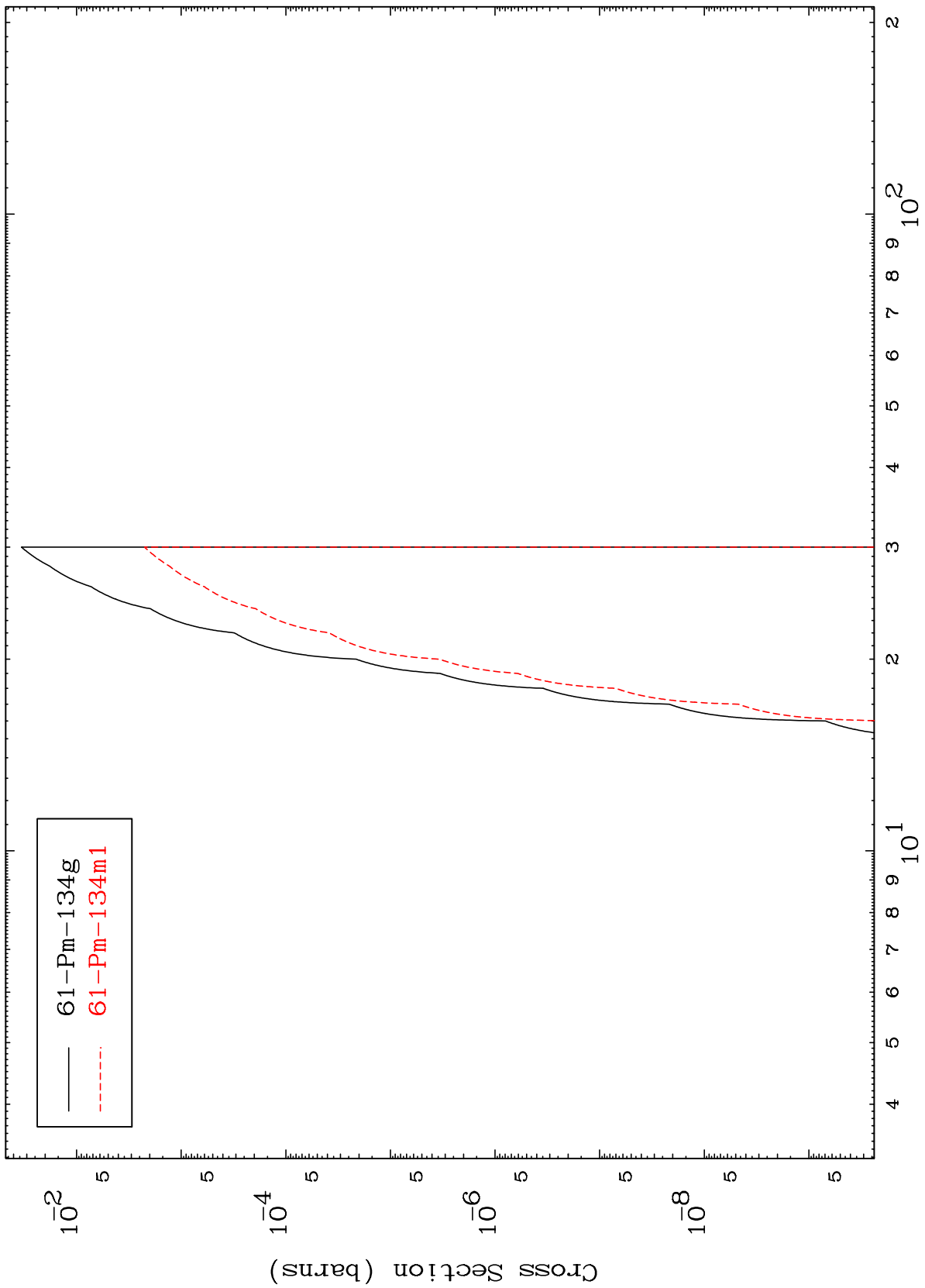
Incident Energy (MeV)

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(n,p)  $\alpha$

62-Sm-135

Radionuclide Production Cross Section



61-Pm-134g  
61-Pm-134m1

14

Incident Energy (MeV)

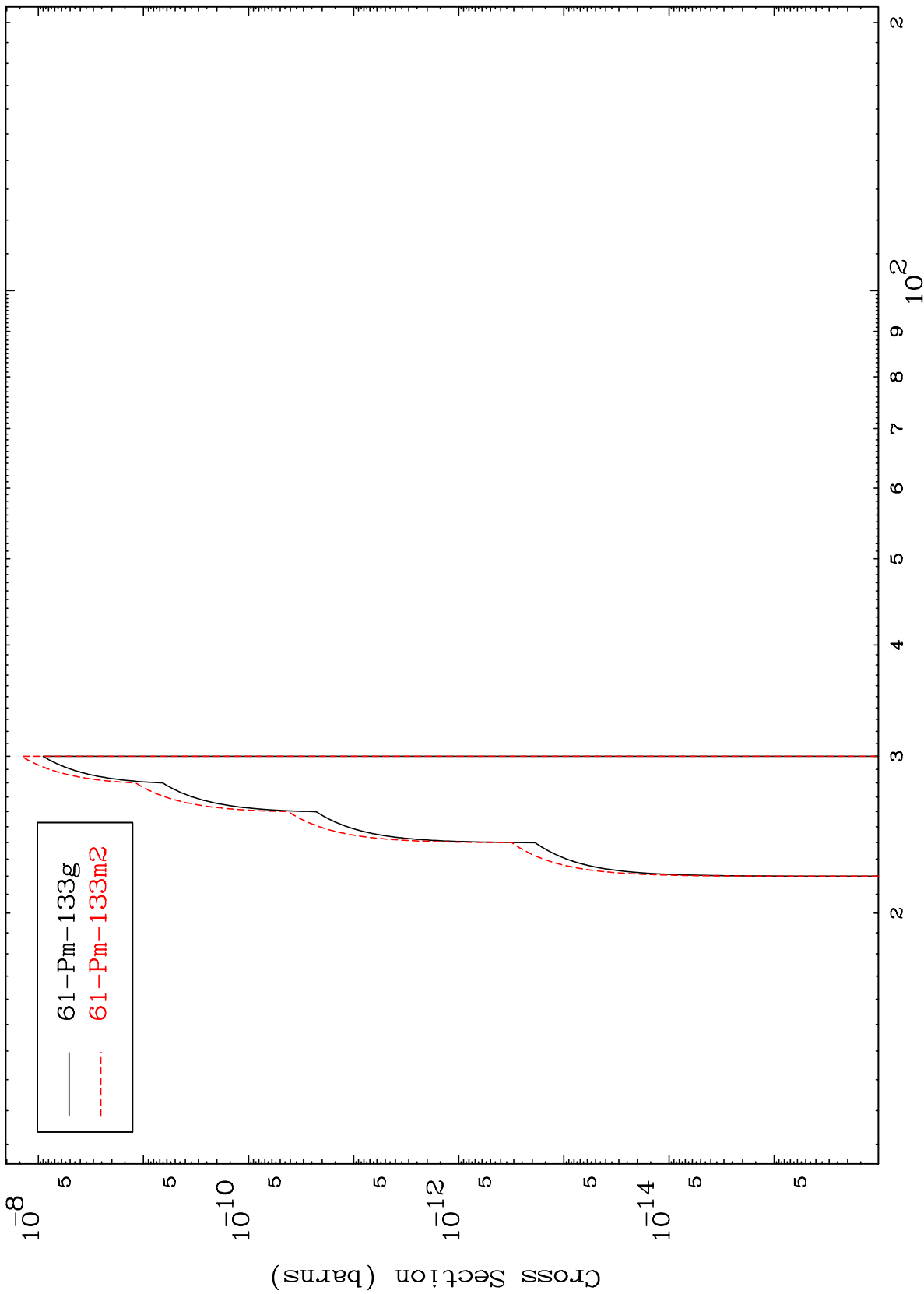
62-Sm-135

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(n,d)  $\alpha$

62-Sm-135

Radionuclide Production Cross Section



15

Incident Energy (MeV)

62-Sm-135