

Program EVALPLOT  
(Version 2018-1)

by

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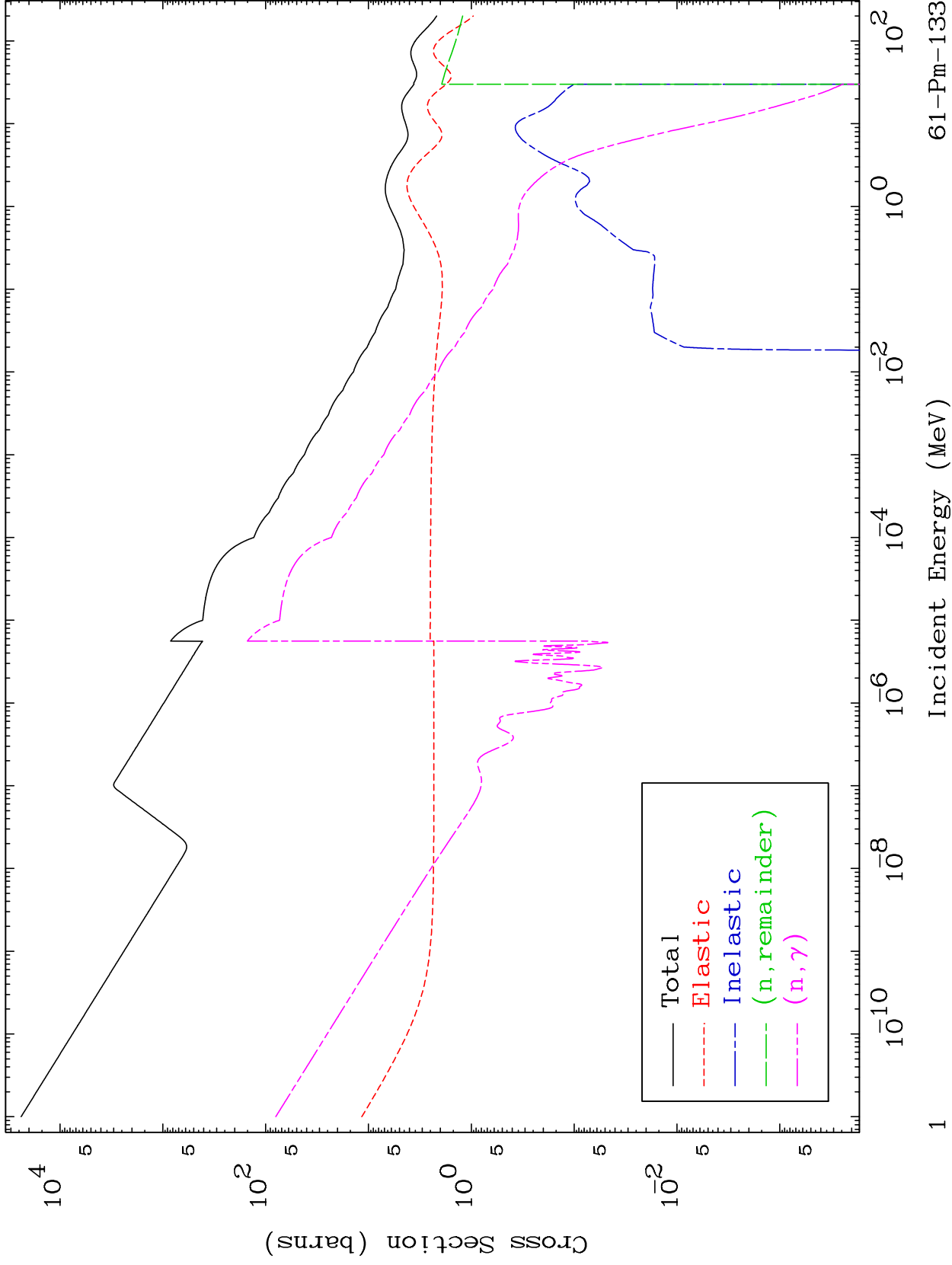
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6108

Major  
293 Kelvin Cross Sections

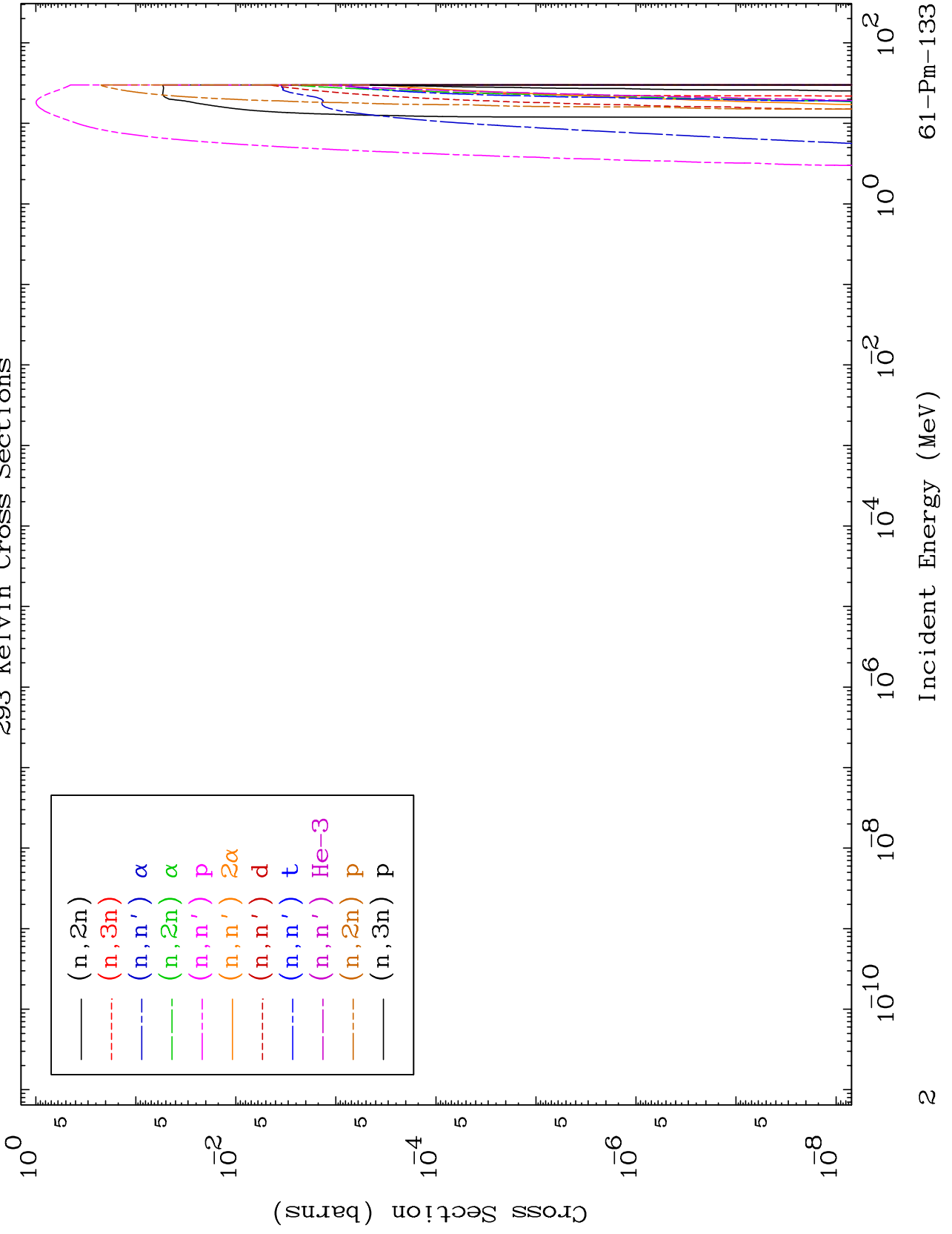
61-Pm-133



MAT 6108

Neutron Production  
293 Kelvin Cross Sections

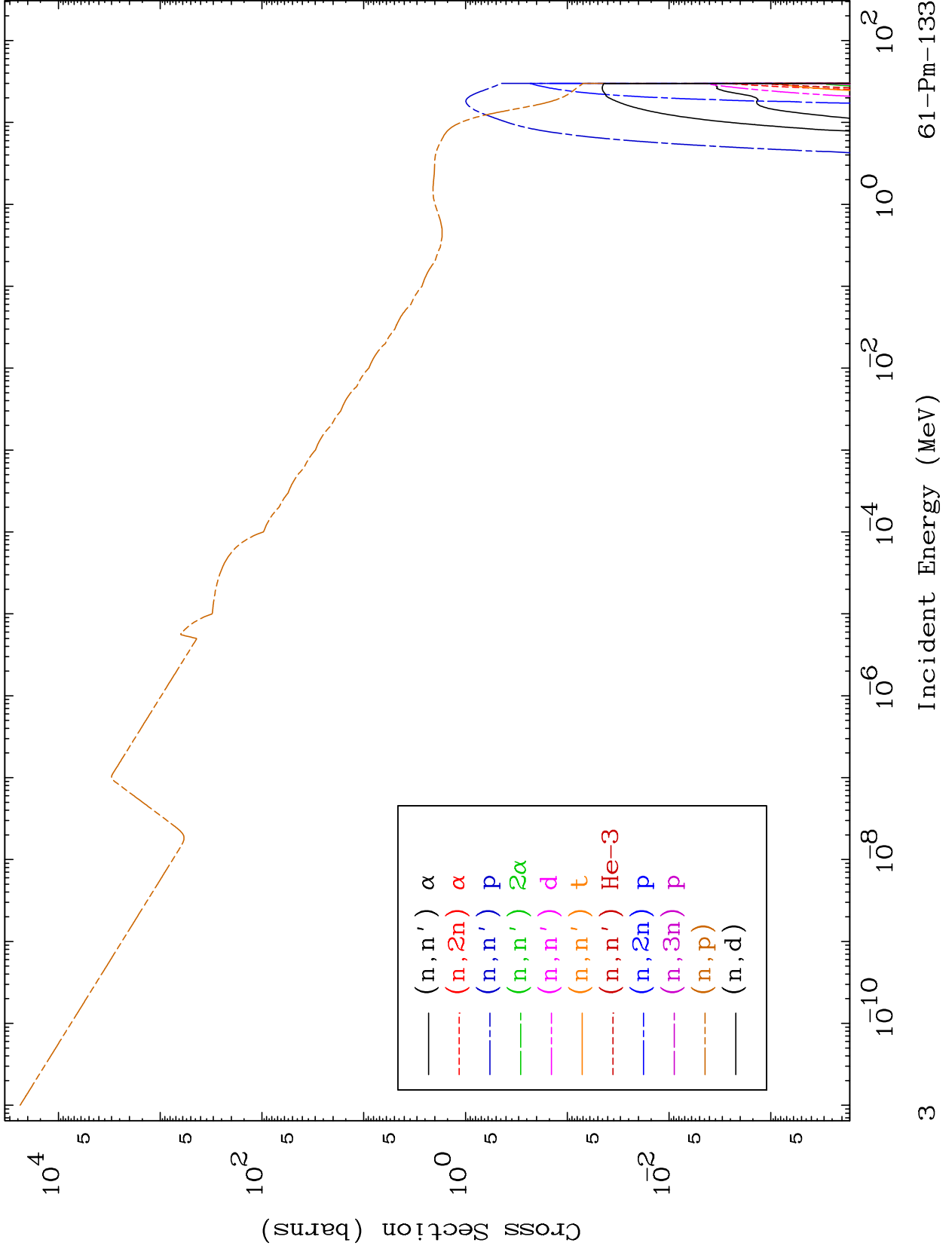
61-Pm-133



MAT 6108

Charged Particle  
293 Kelvin Cross Sections

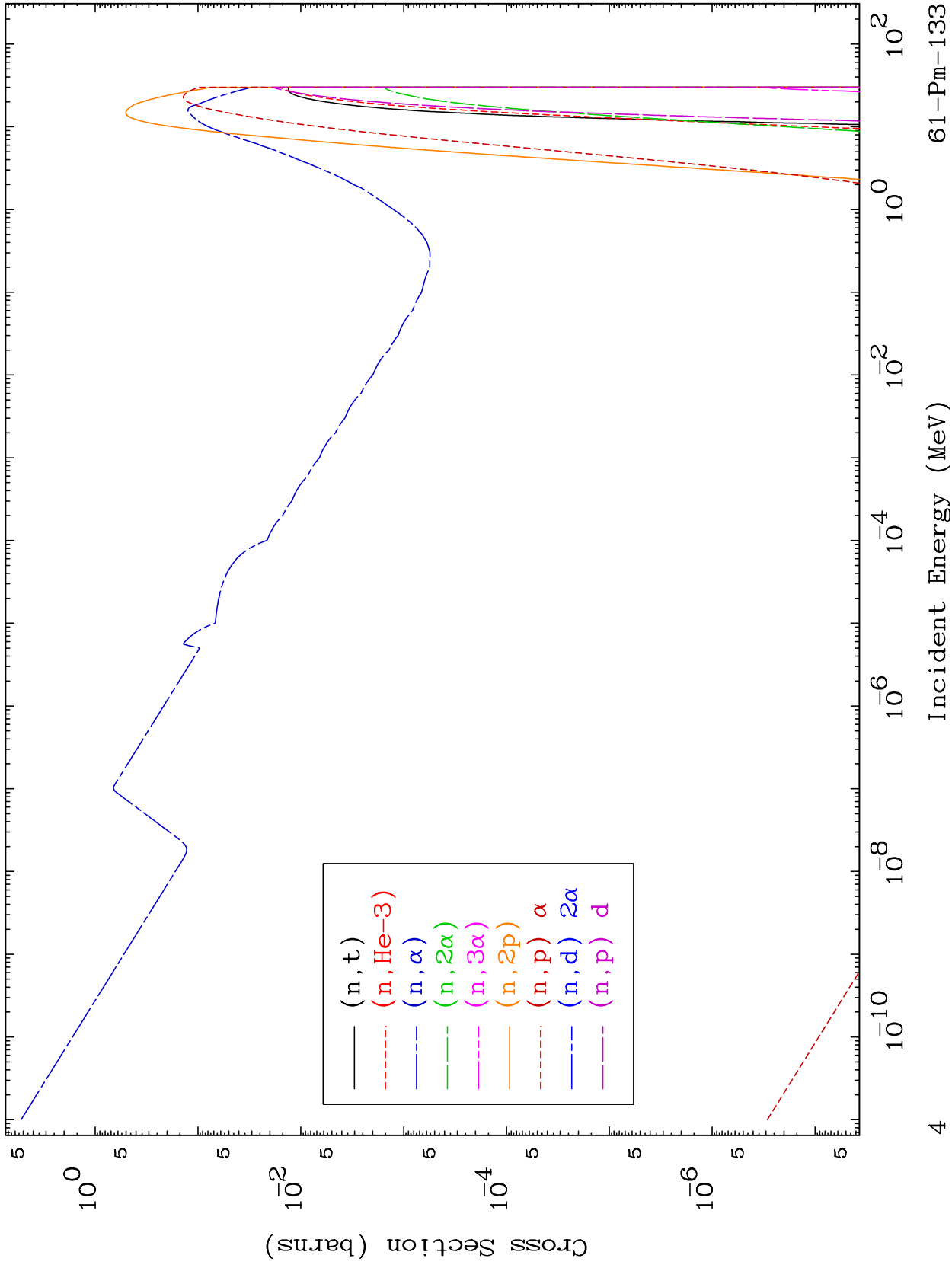
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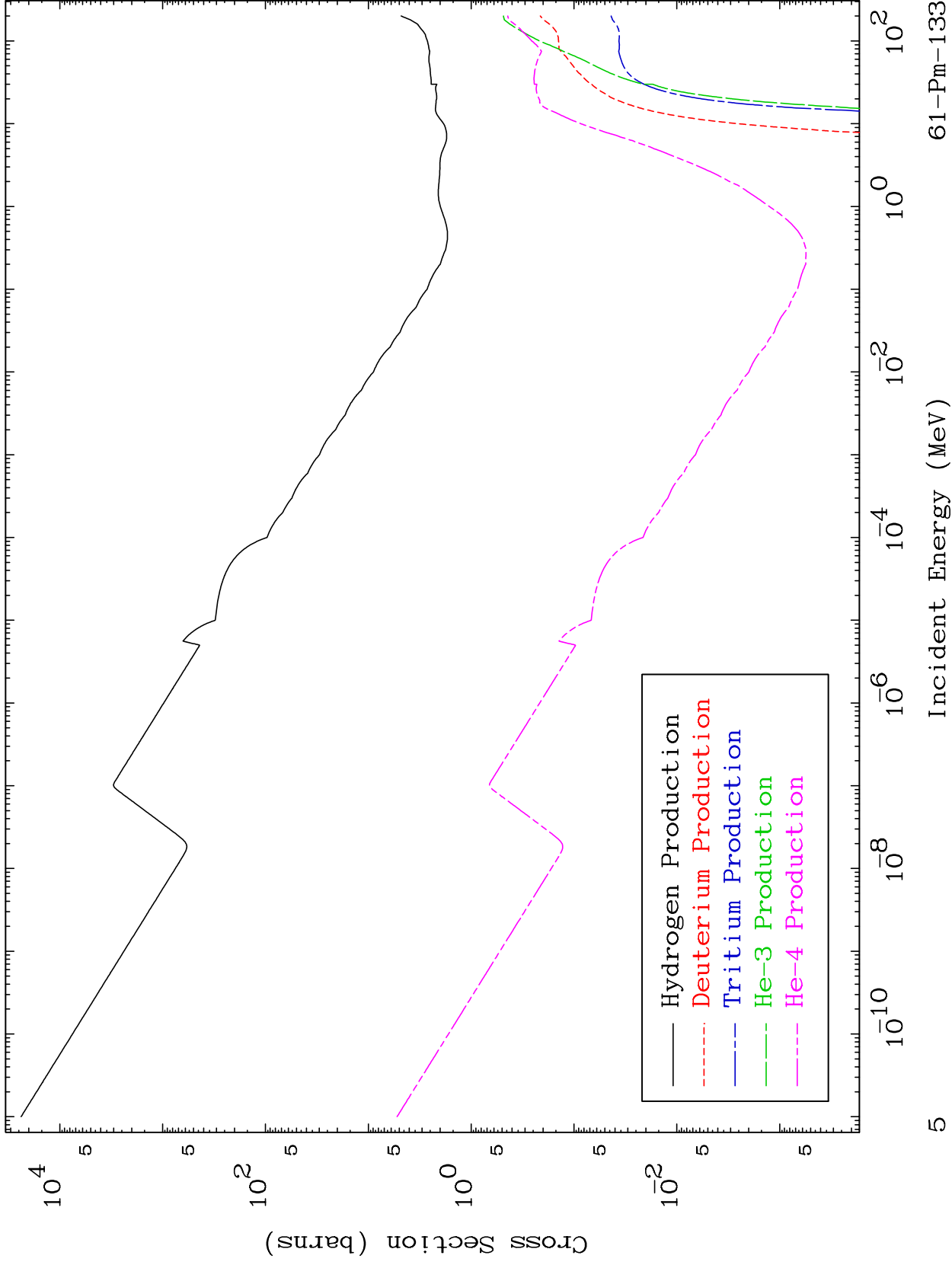


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Charged Particle  
293 Kelvin Cross Sections

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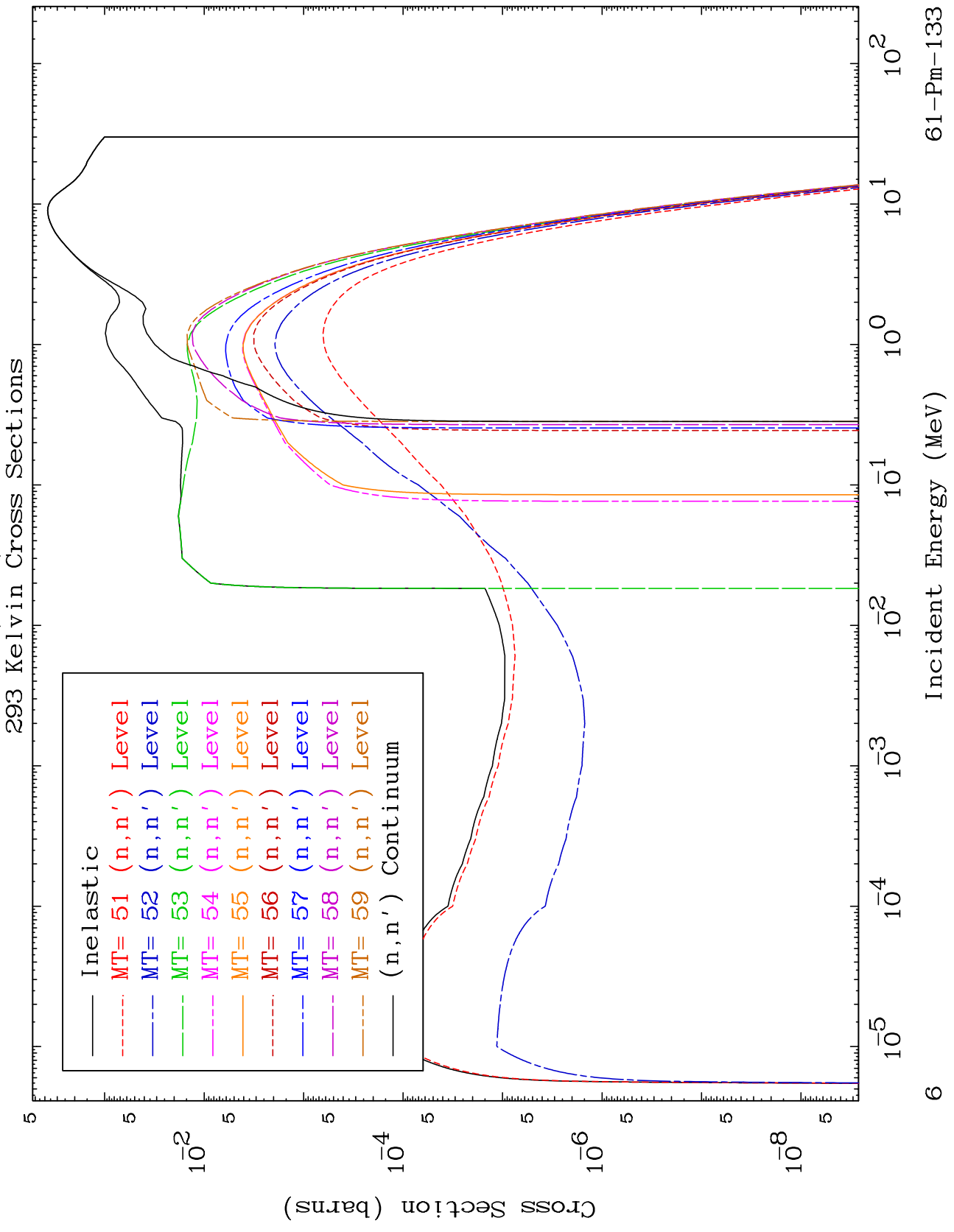




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(n,n') Level

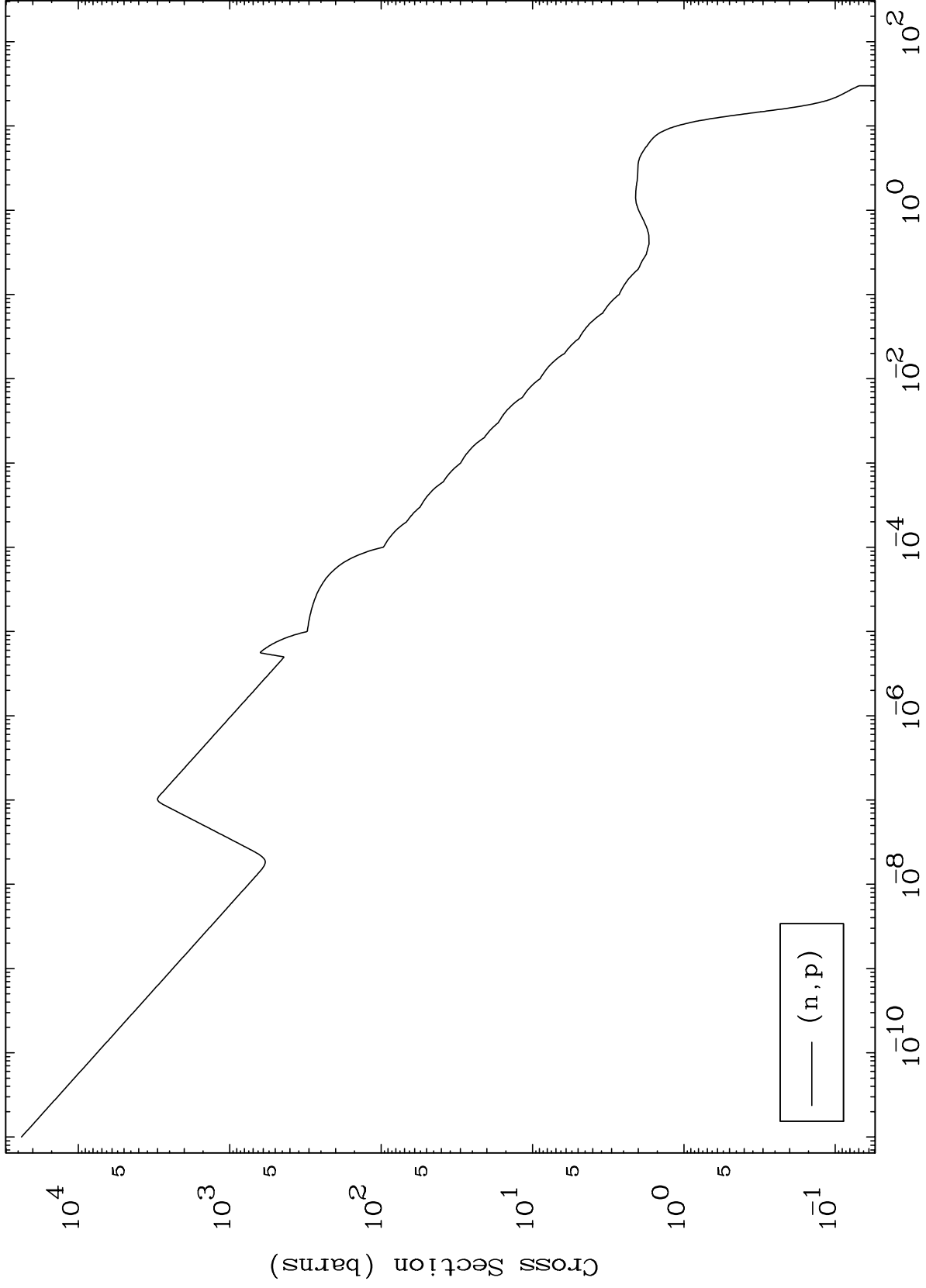
61-Pm-133



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(n,p) Levels  
293 Kelvin Cross Sections

61-Pm-133

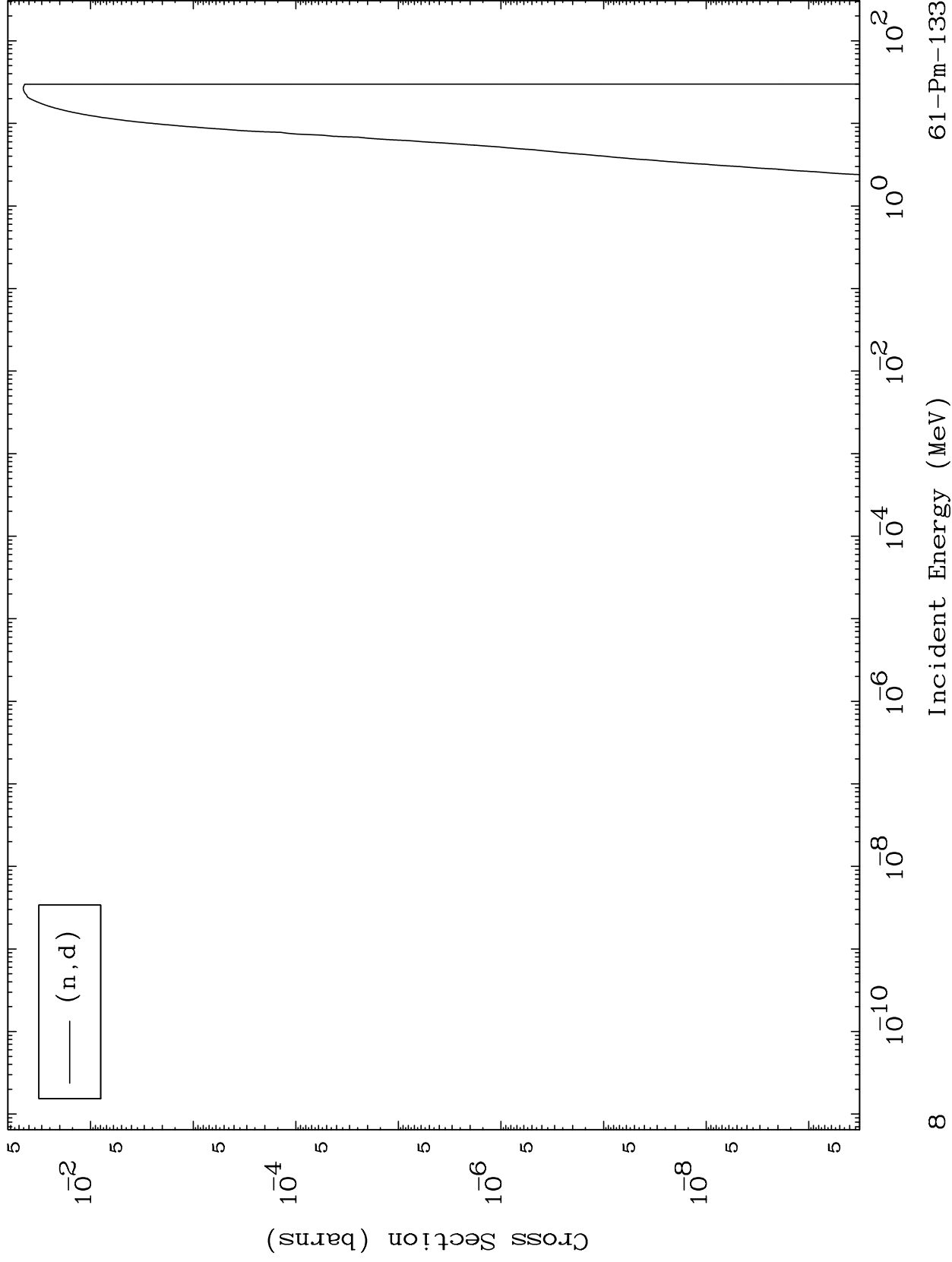




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(n,d) Levels  
293 Kelvin Cross Sections

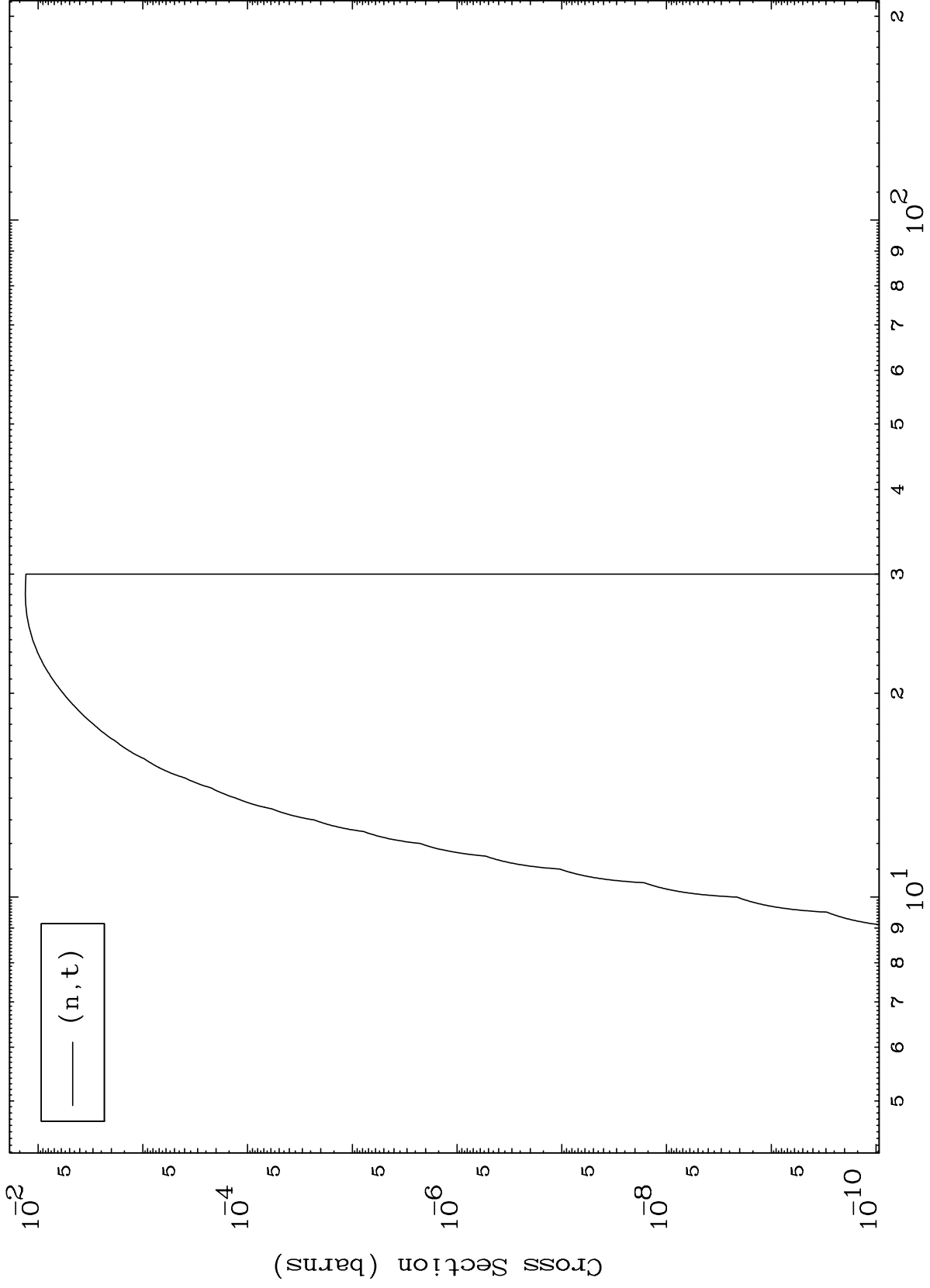
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(n,t) Levels  
293 Kelvin Cross Sections

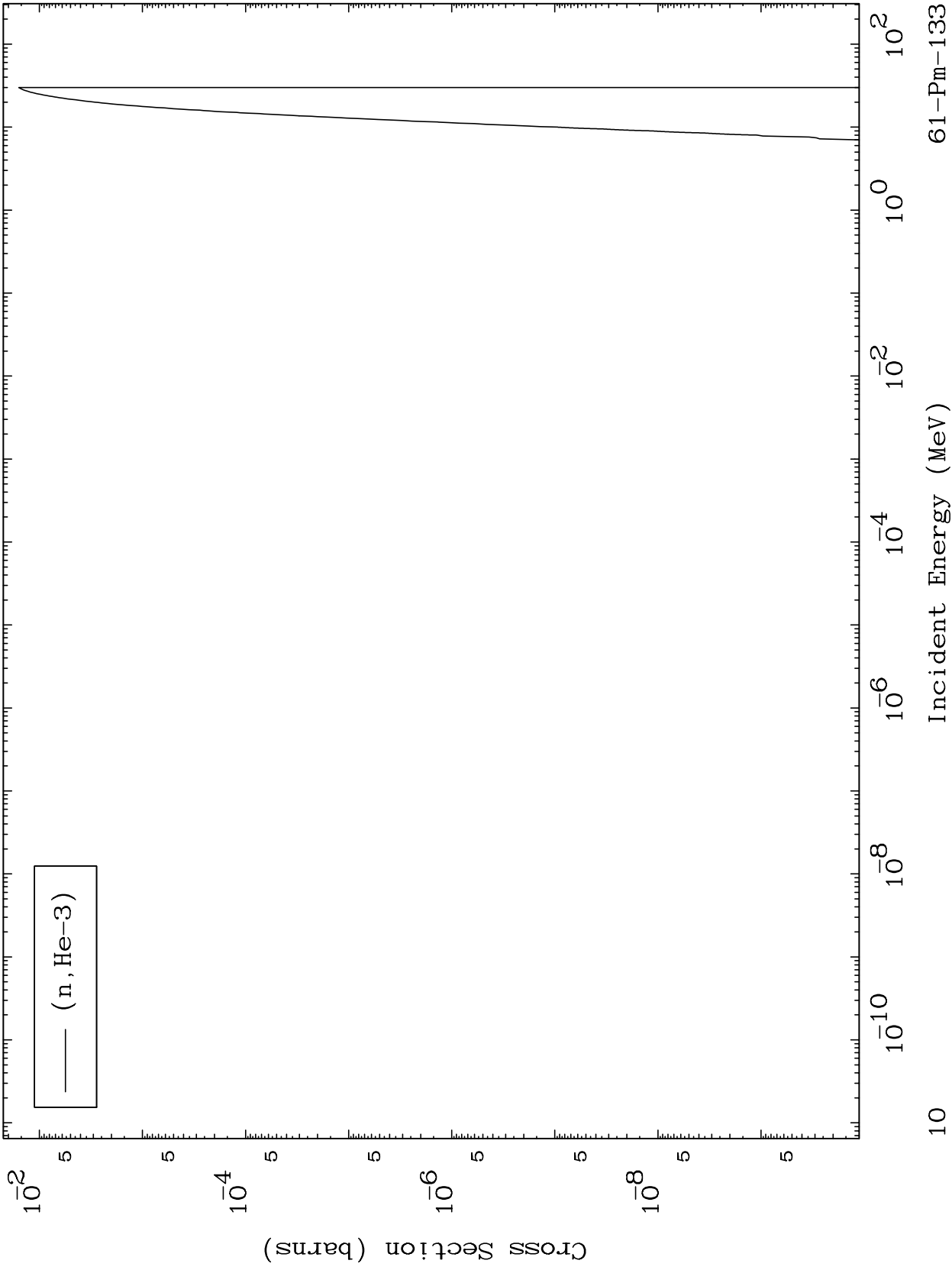
61-Pm-133



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(n,He3) Levels  
293 Kelvin Cross Sections

61-Pm-133



10

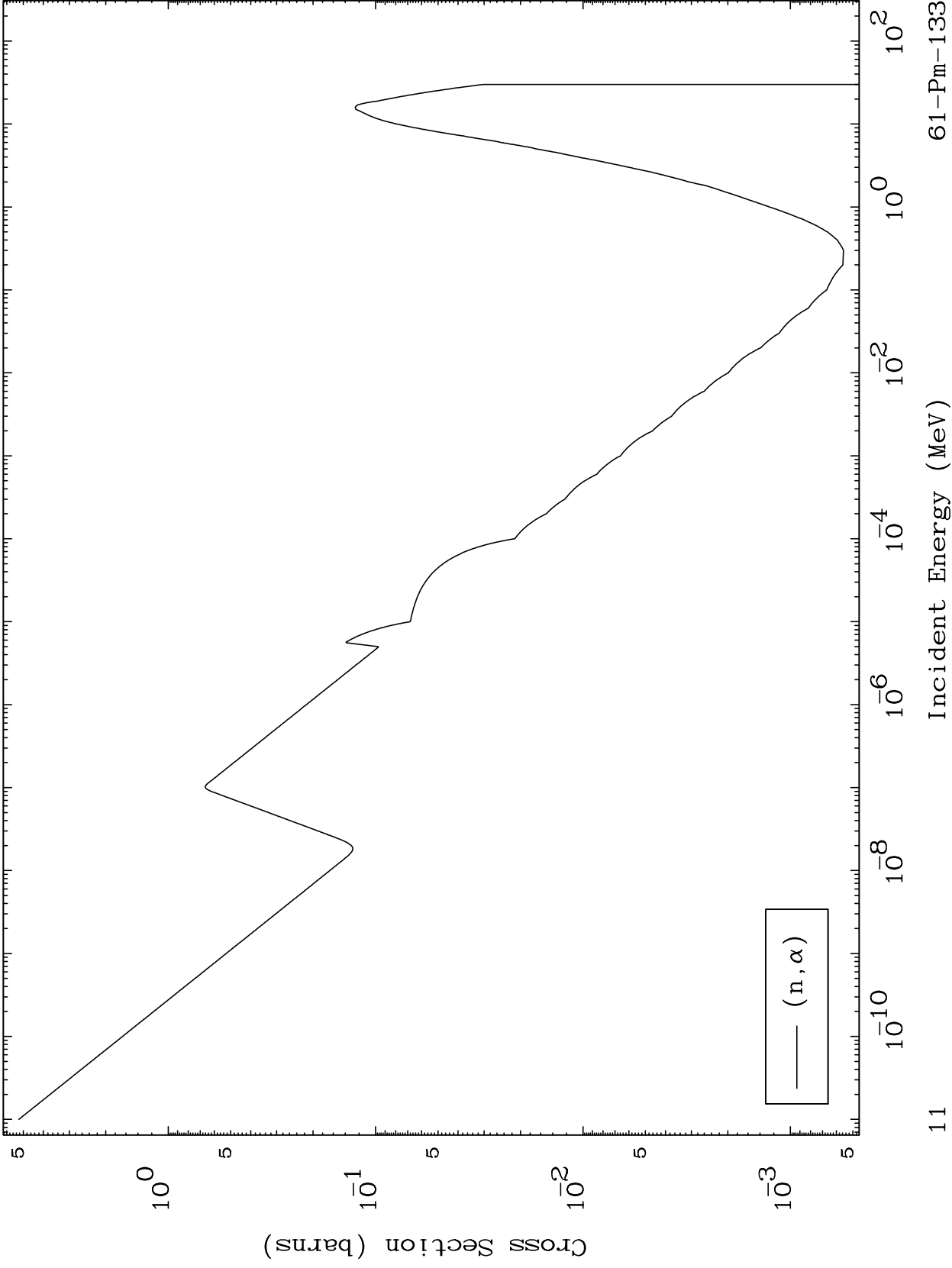
Incident Energy (MeV)

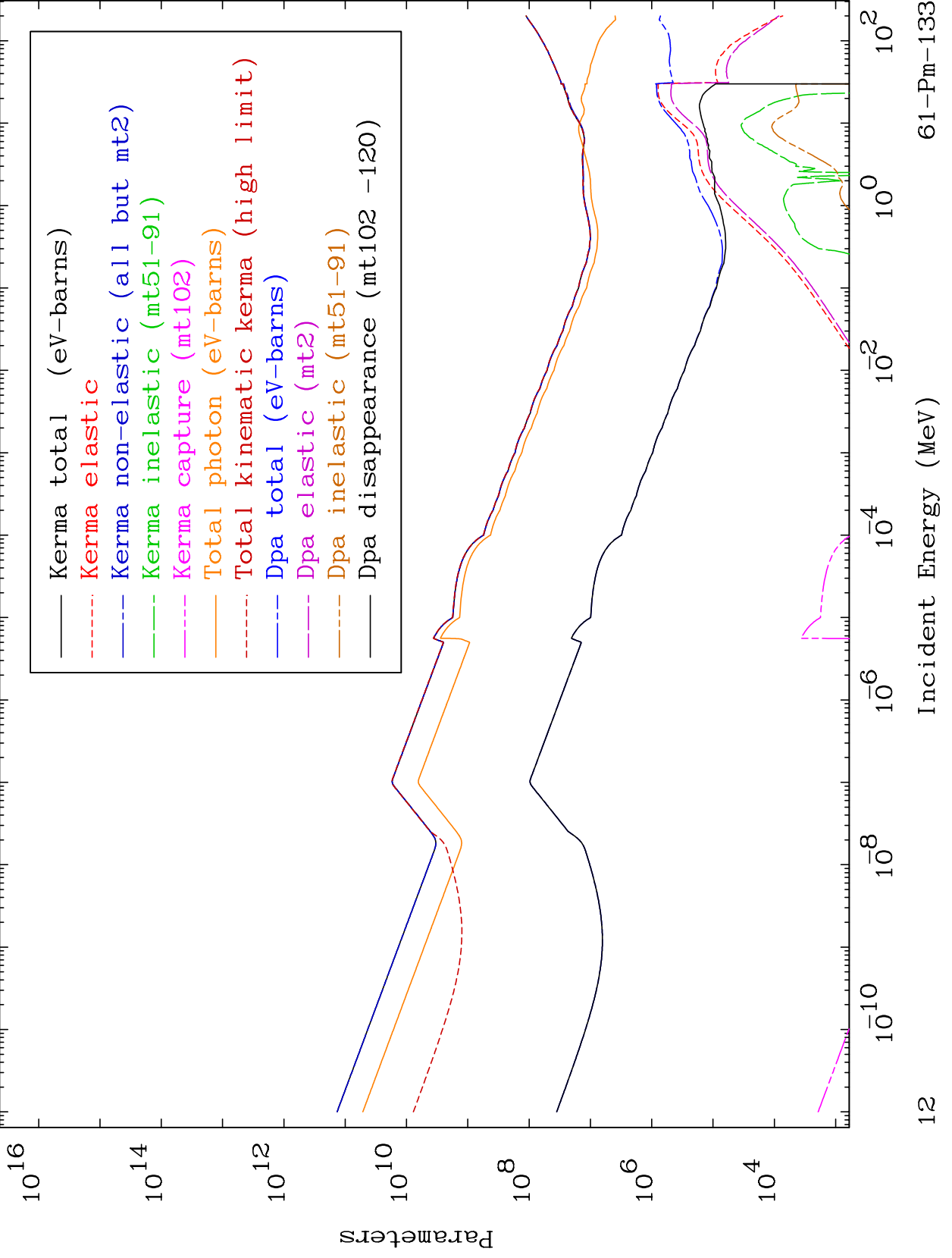
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(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

61-Pm-133



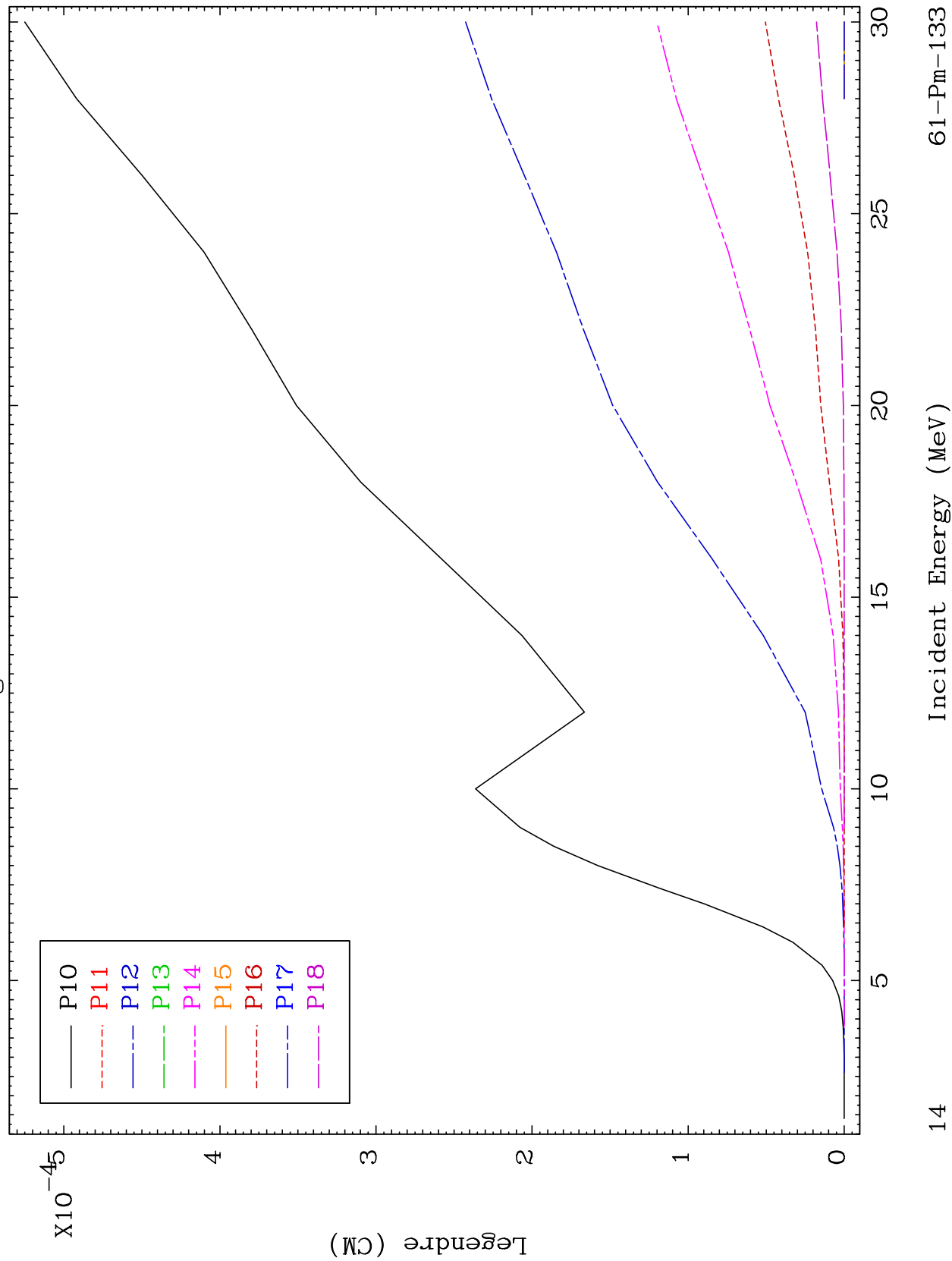




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Elastic Legendre Coefficients

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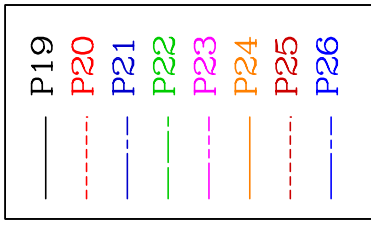
14

61-Pm-133

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### Elastic Legendre Coefficients

61-Pm-133



$\times 10^{-6}$   
1.5  
1.0  
0.5  
0.0

Legendre (CM)

15

20

25

30

15

Incident Energy (MeV)

61-Pm-133

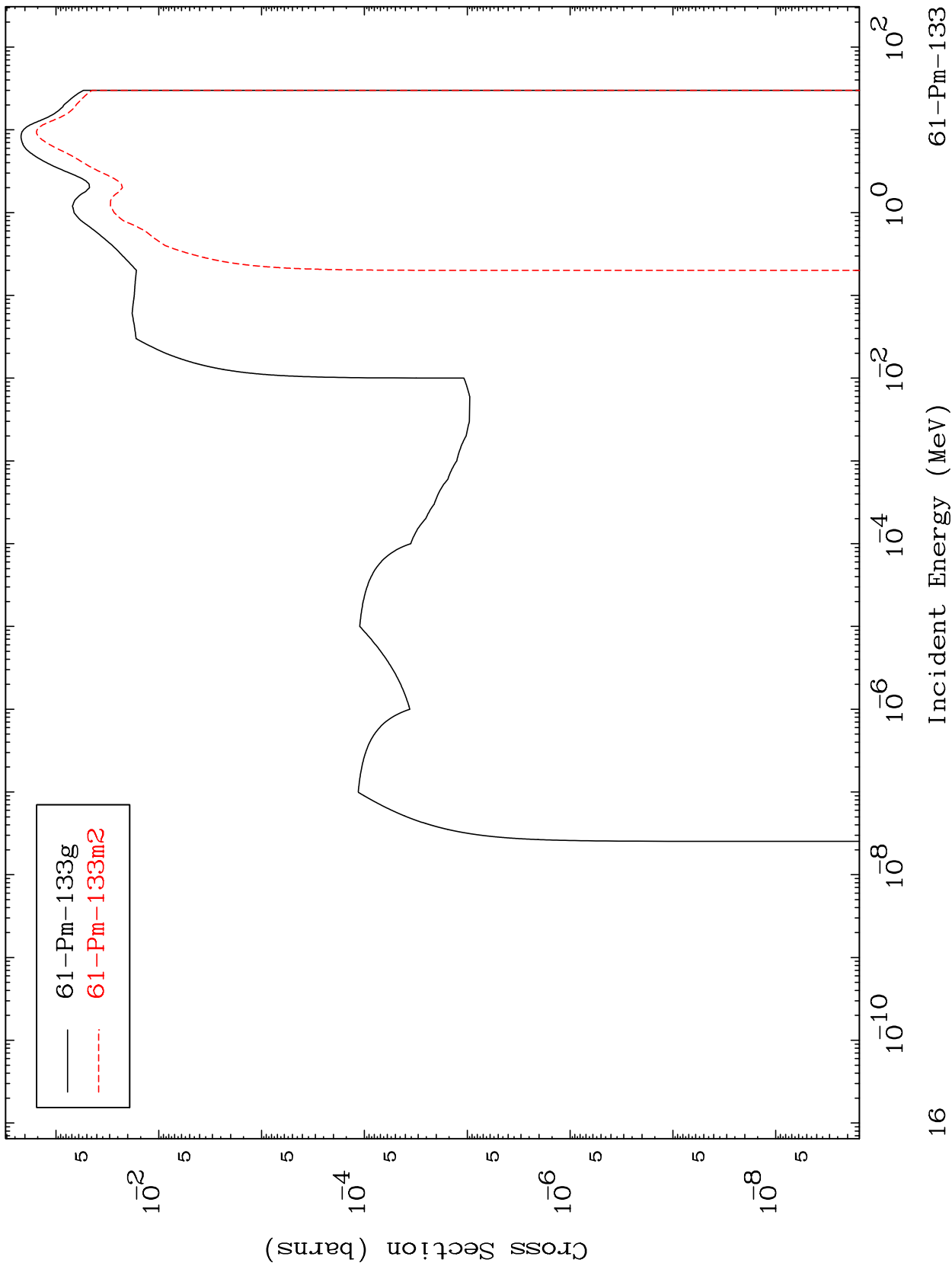




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61-Pm-133

Inelastic  
Radionuclide Production Cross Section

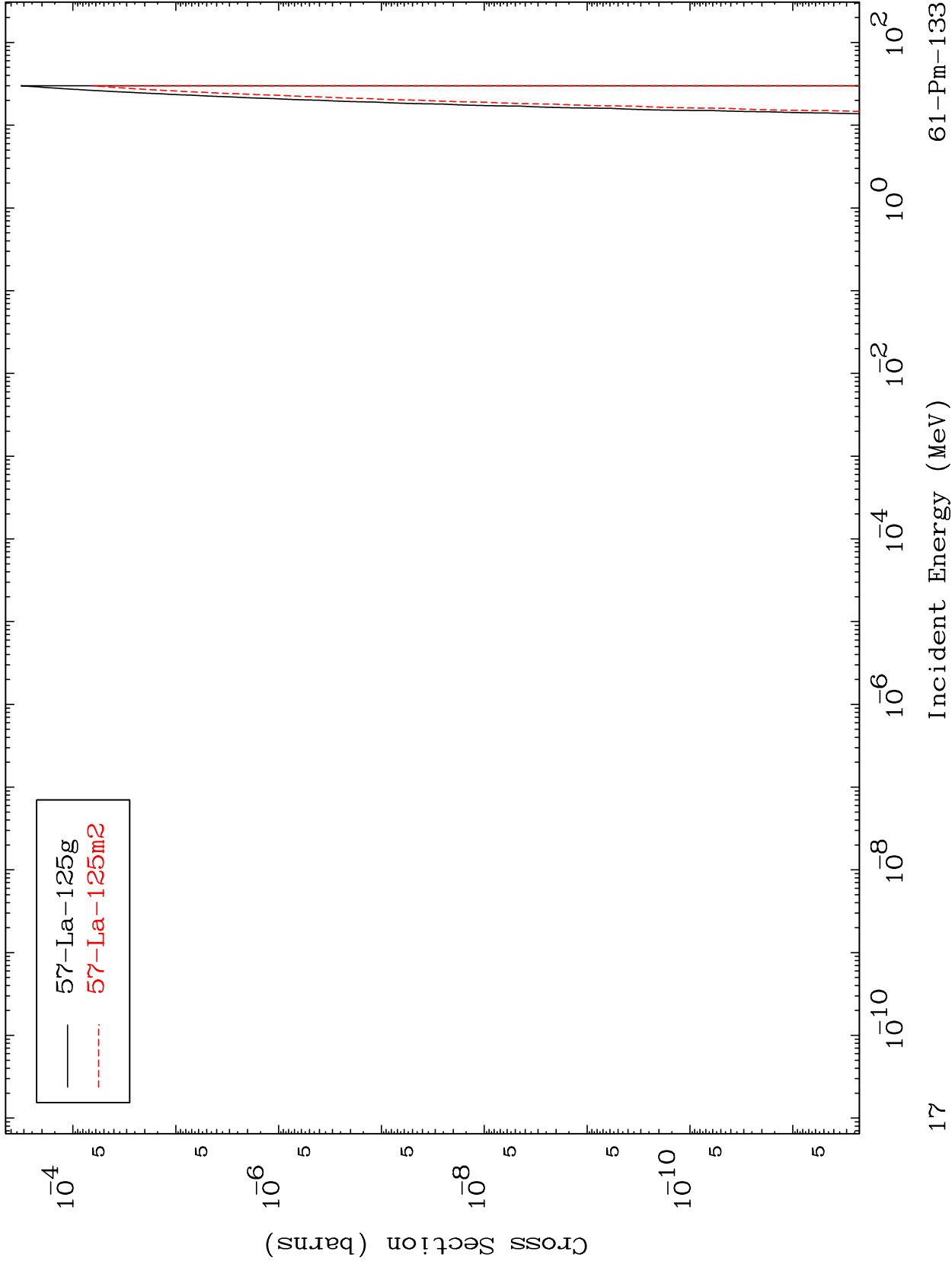


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(n,n') 2α

61-Pm-133

Radionuclide Production Cross Section

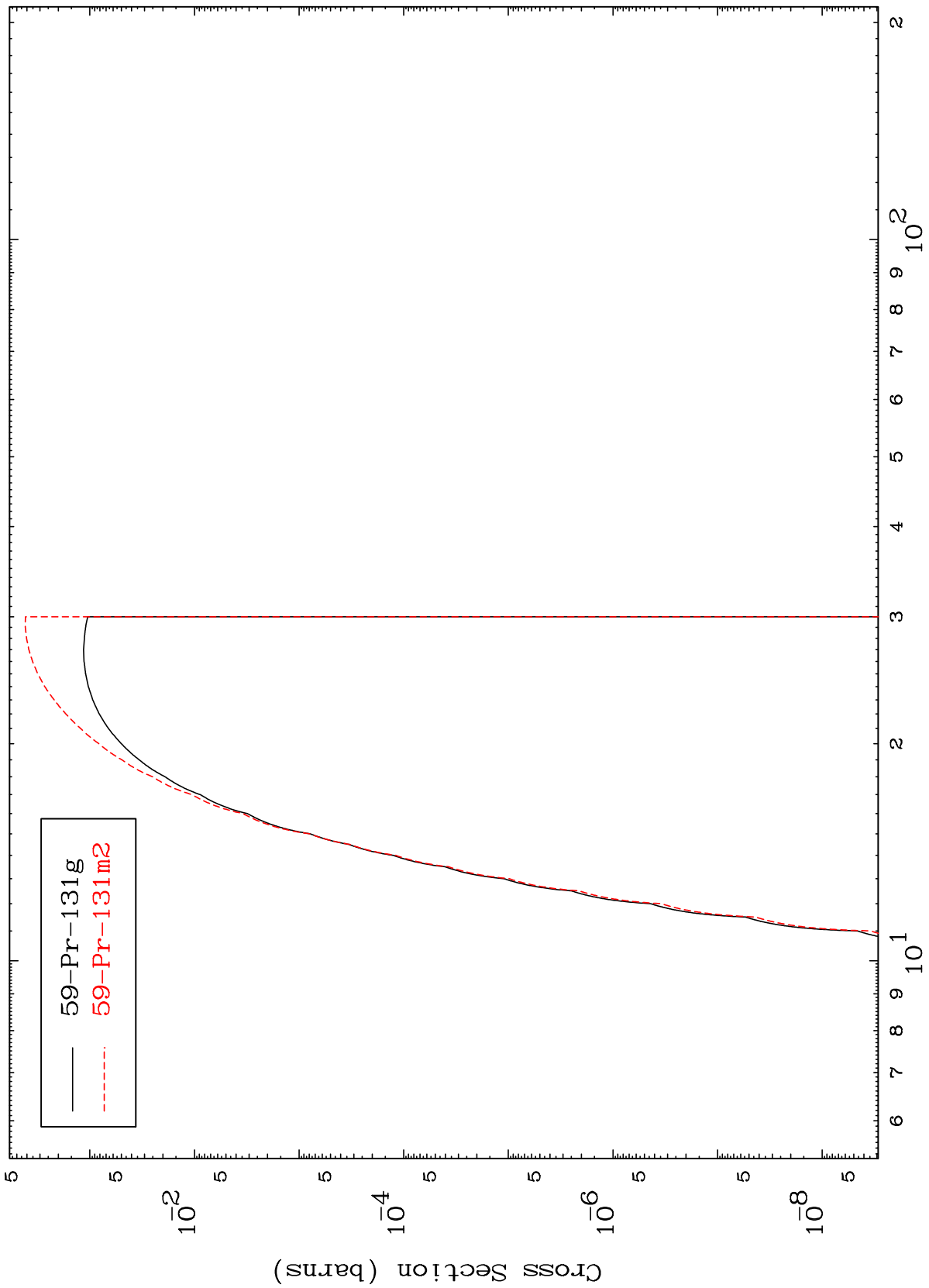


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(n,2n) p

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Radionuclide Production Cross Section



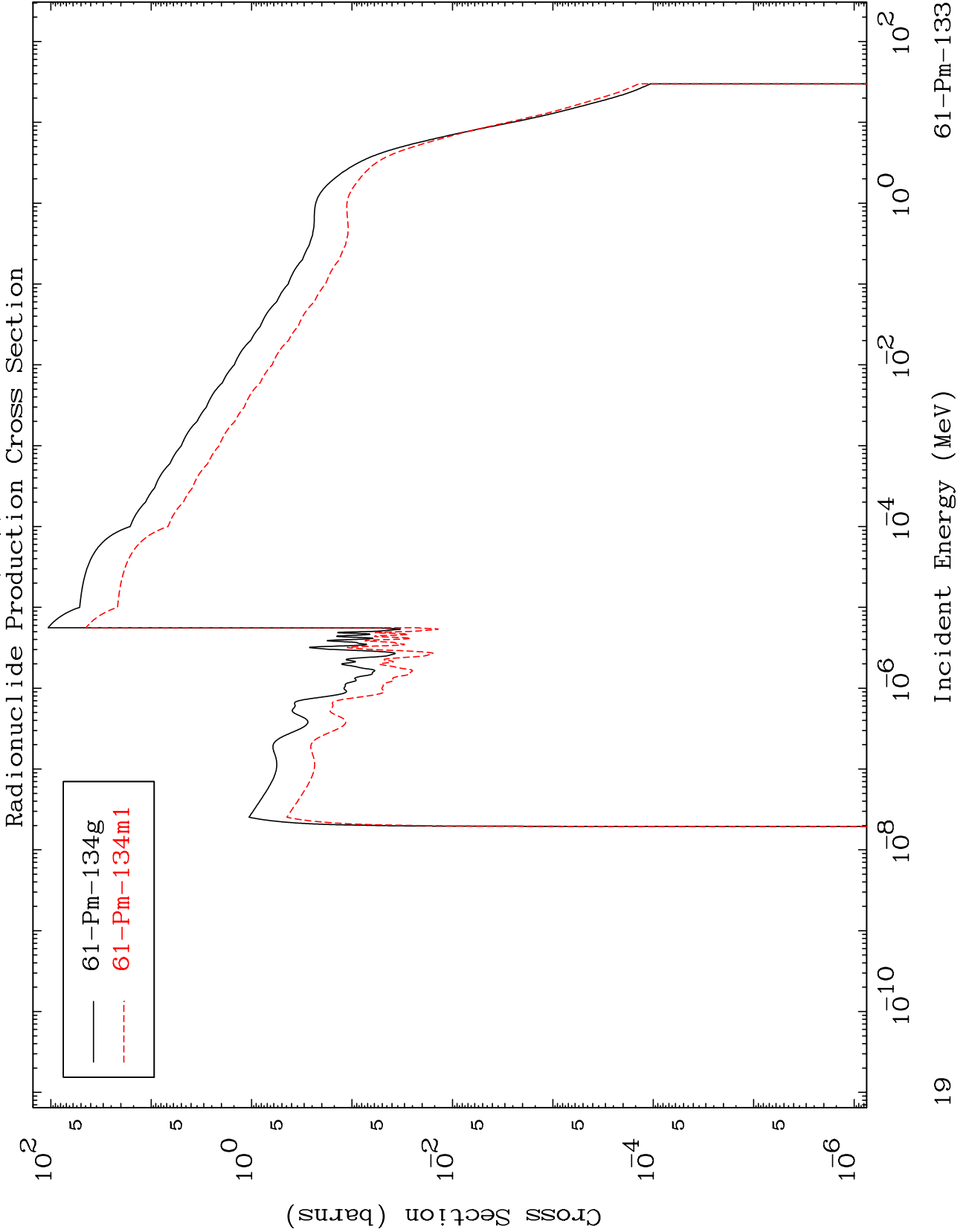
18

Incident Energy (MeV)

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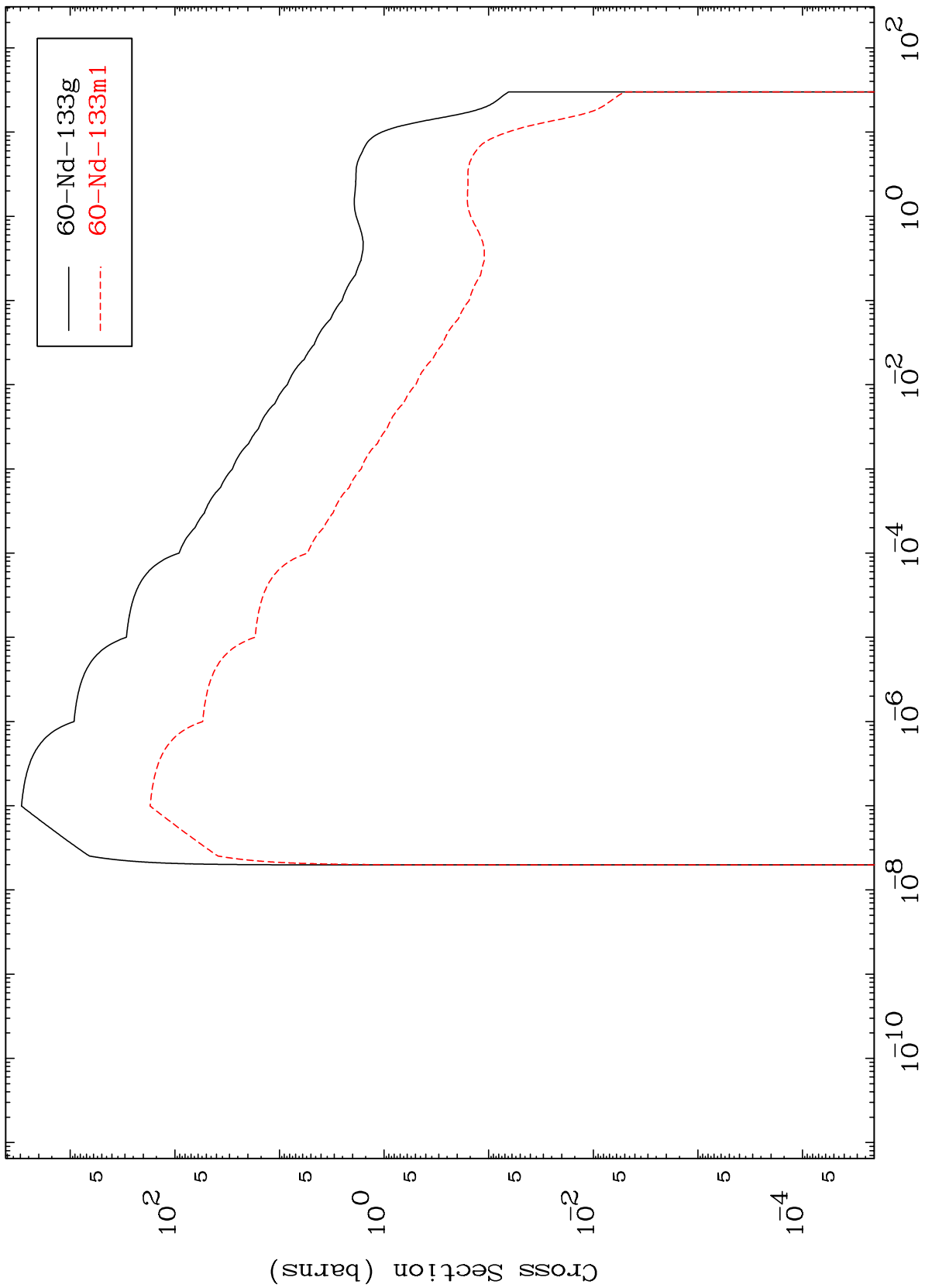
61-Pm-133



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61-Pm-133

(n,p)  
Radionuclide Production Cross Section



20

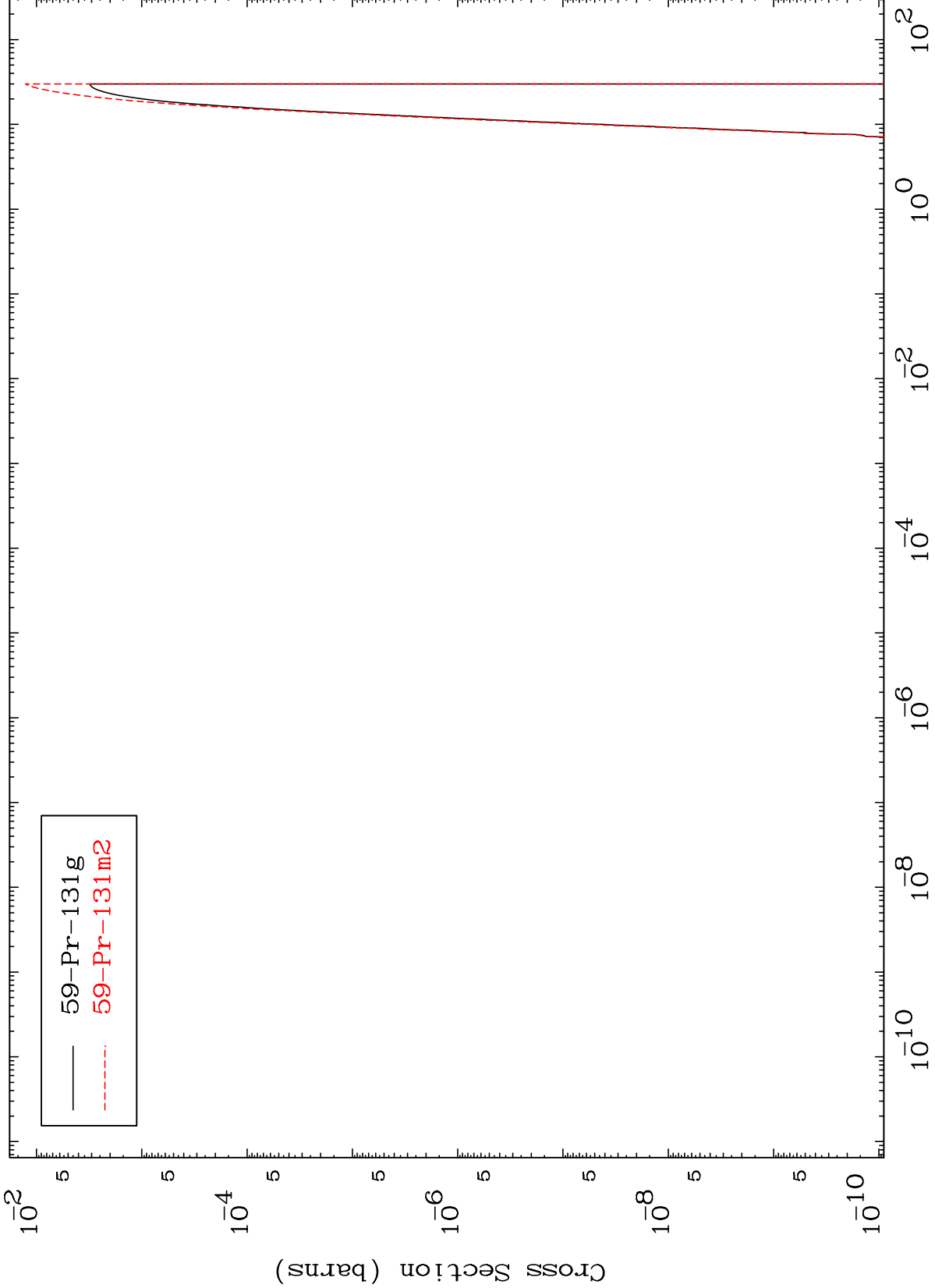
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(n,He-3)

61-Pm-133

Radionuclide Production Cross Section



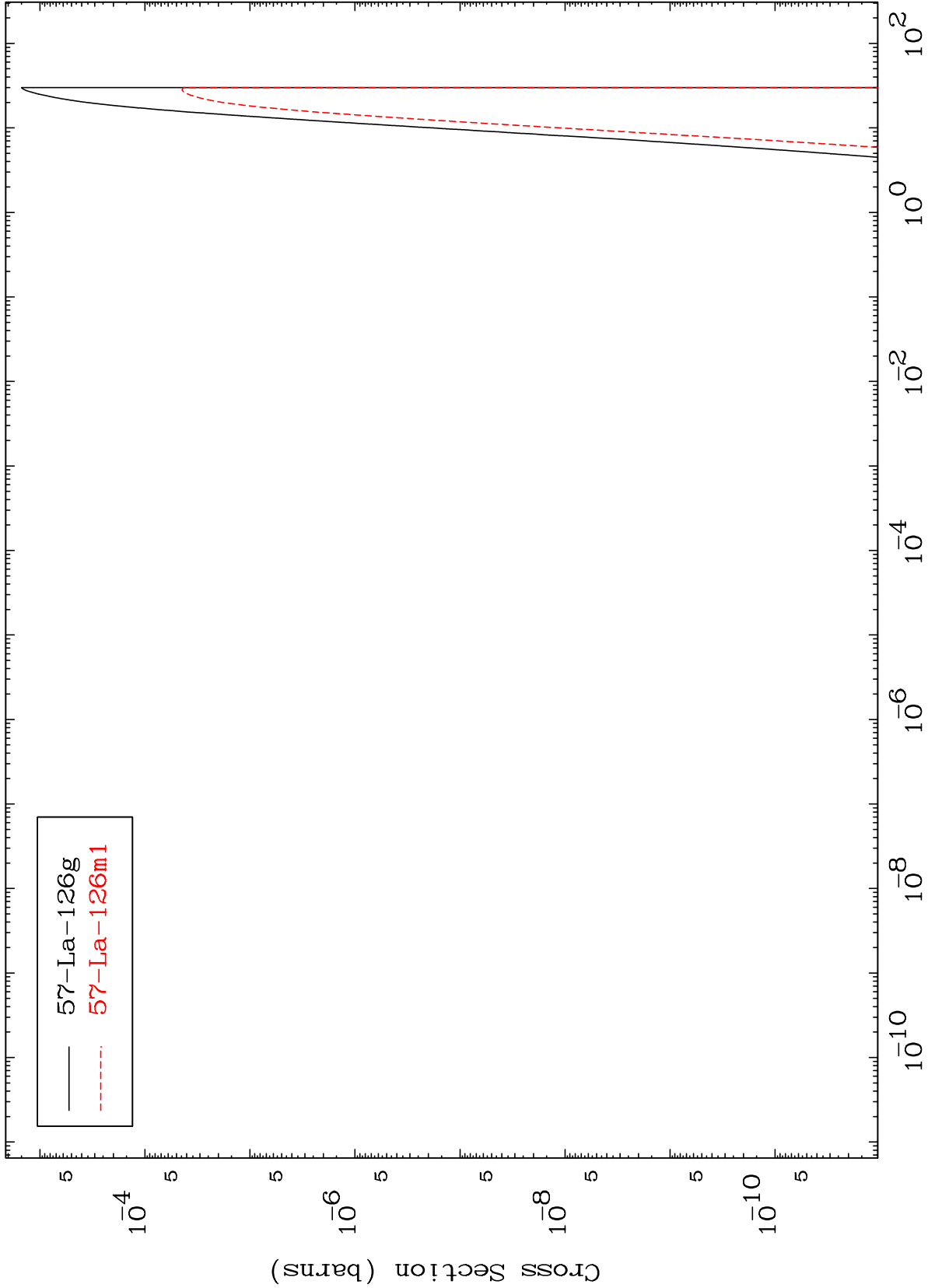
61-Pm-133

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(n,2α)

61-Pm-133

Radionuclide Production Cross Section

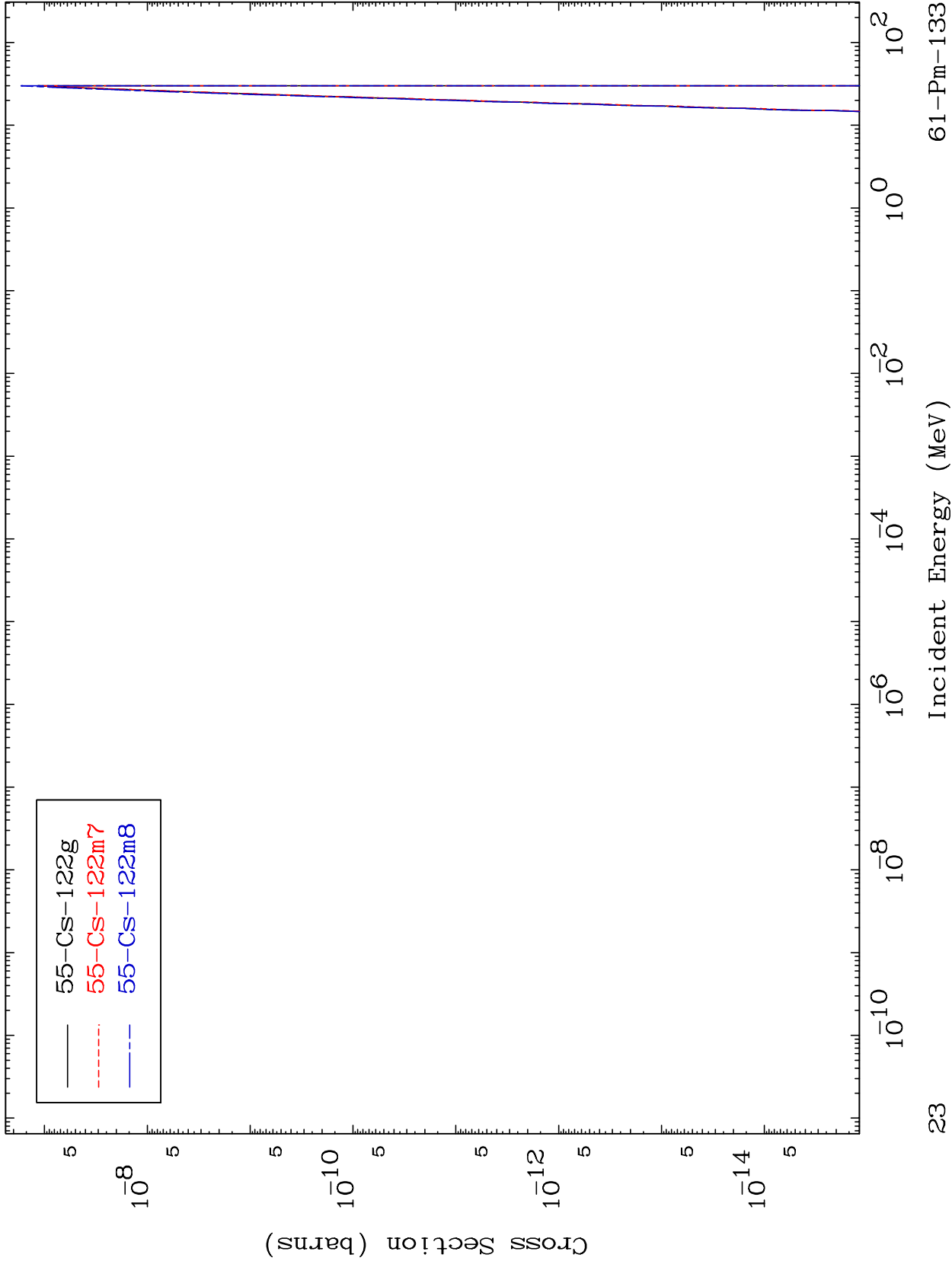


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(n, 3 $\alpha$ )

61-Pm-133

Radionuclide Production Cross Section



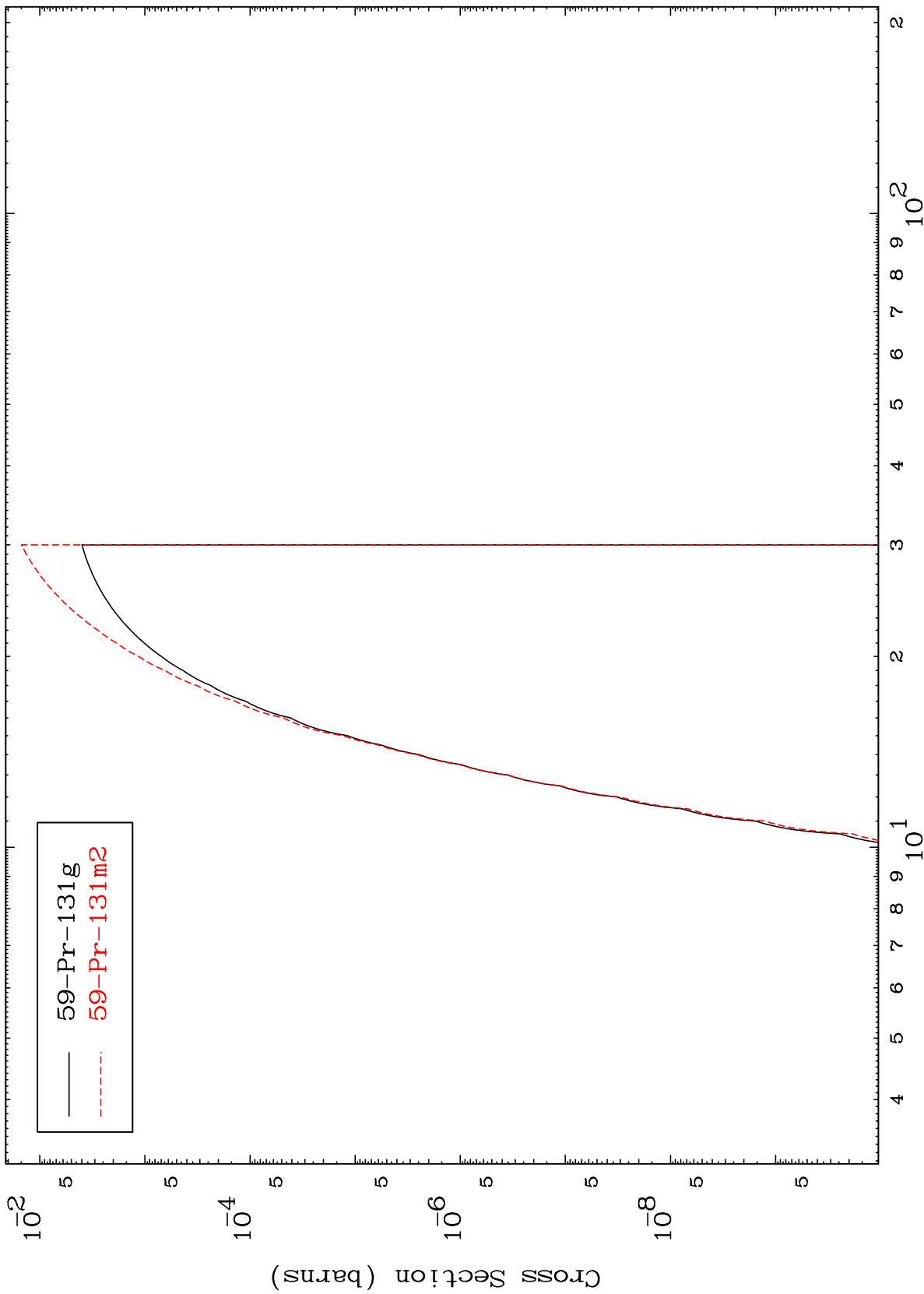


MAT 6108

(n,p) d

61-Pm-133

Radionuclide Production Cross Section



Legend:  
— 59-Pr-131g  
- - - 59-Pr-131m2