

Program EVALPLOT  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

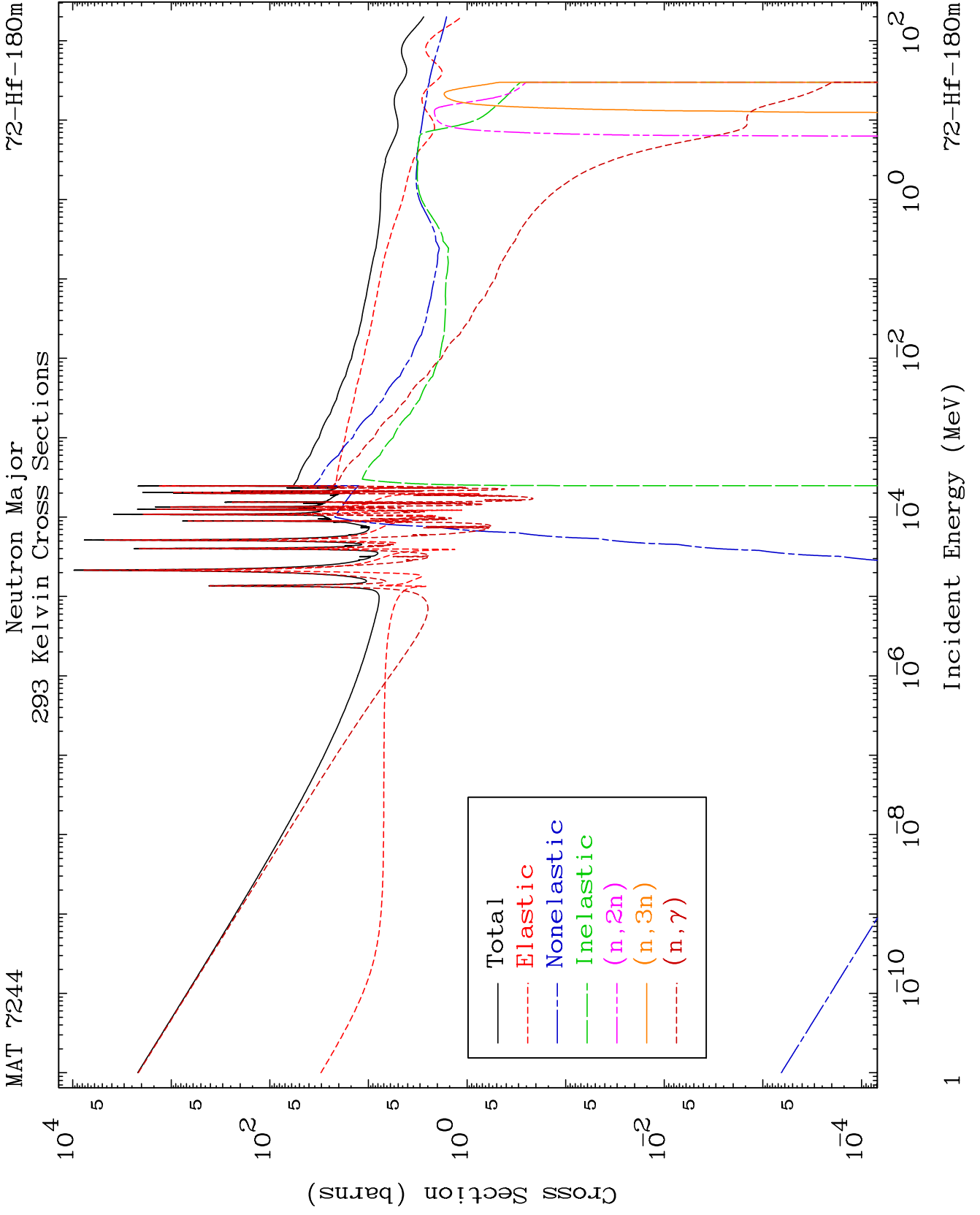
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Press Mouse Button to Start



MAT 7244

Neutron Major

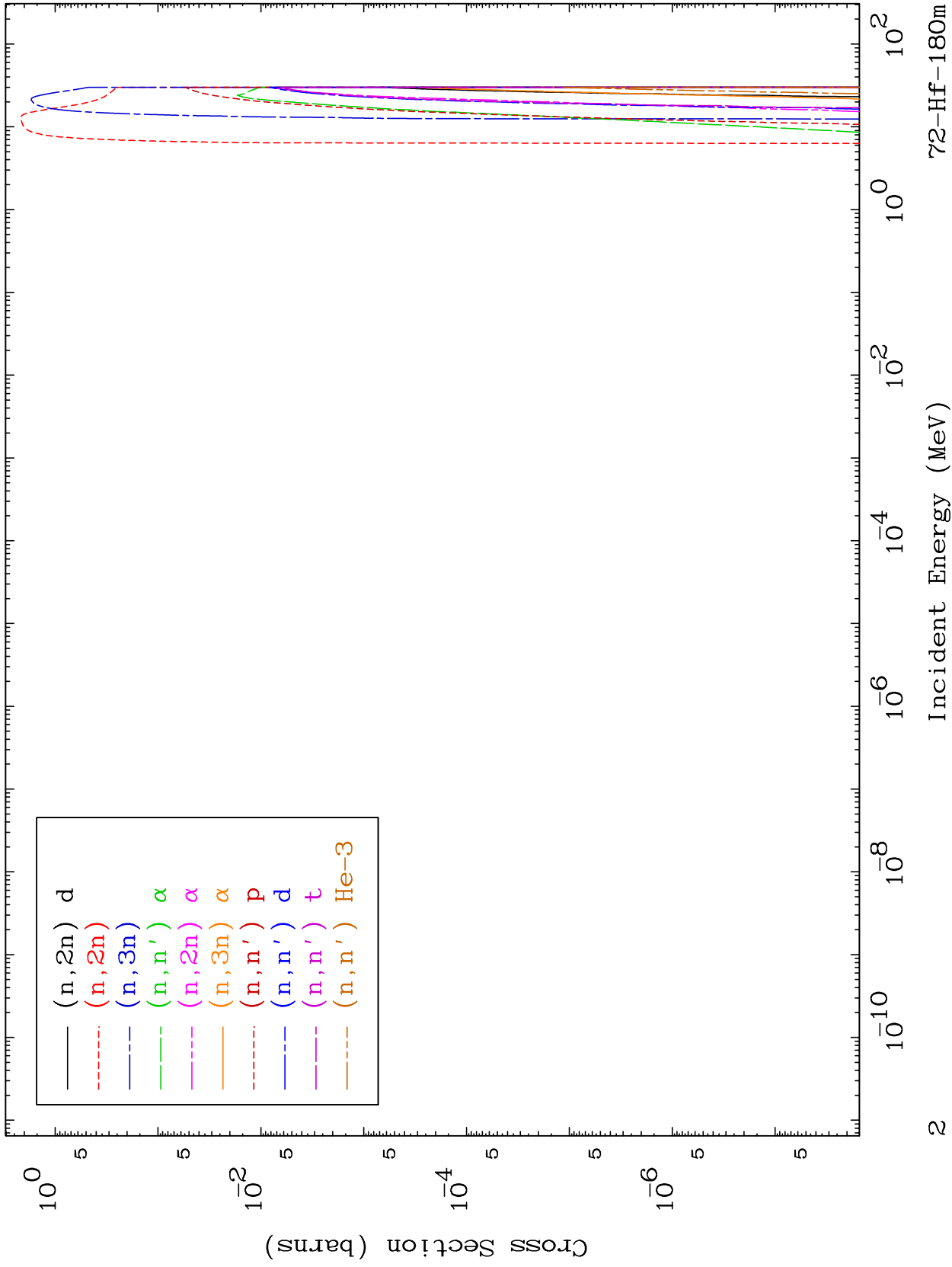
72-Hf-180m

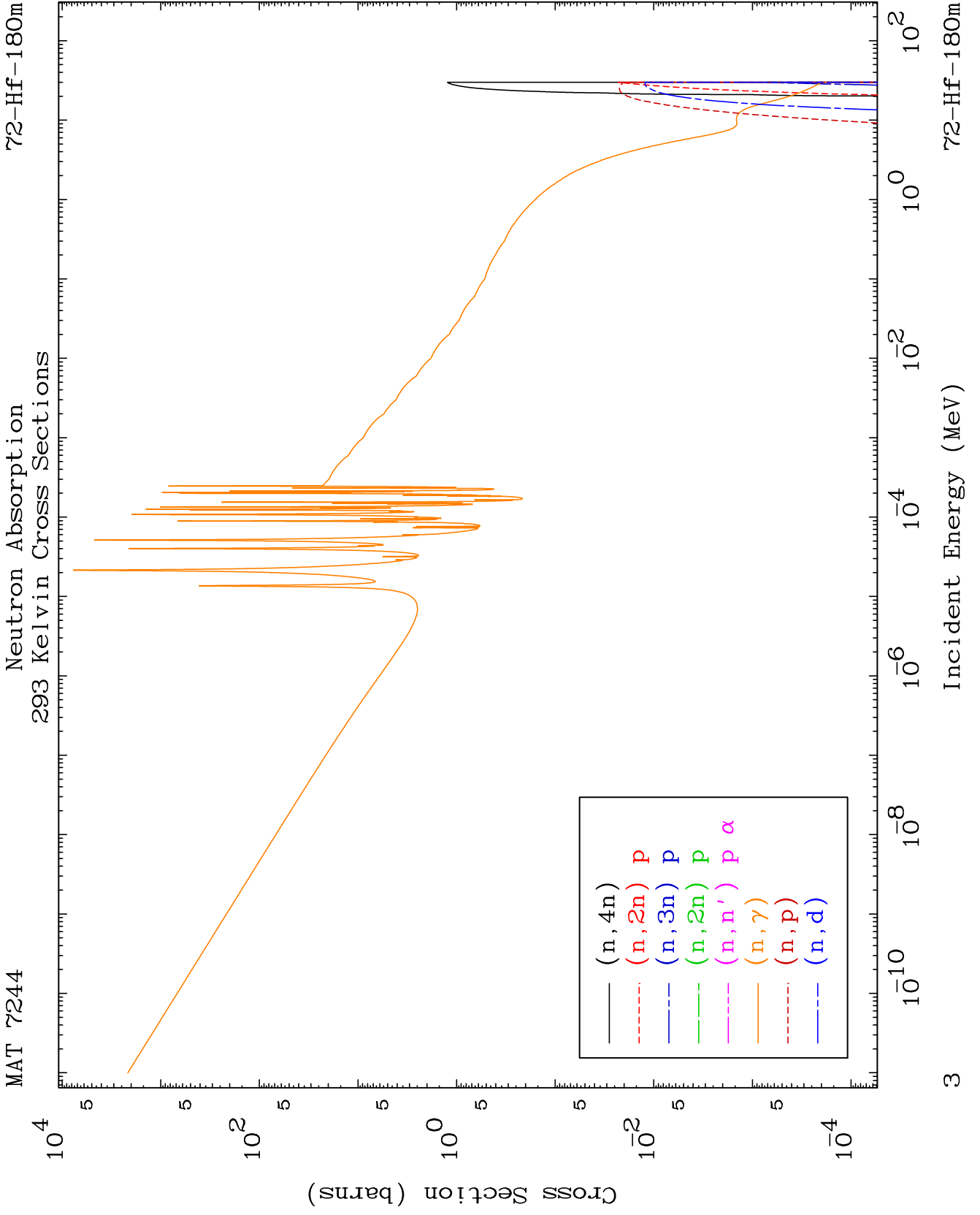
293 Kelvin Cross Sections

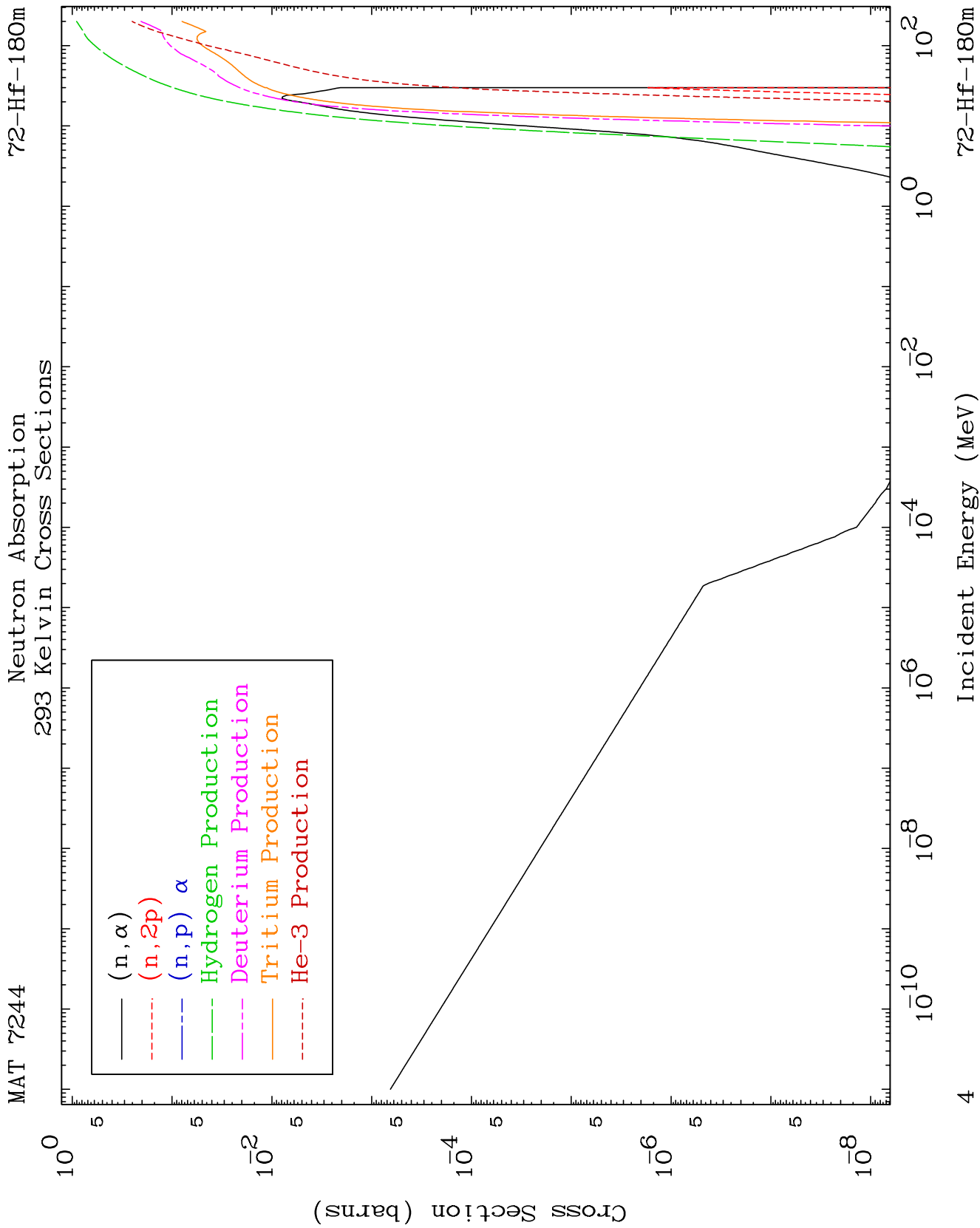
MAT 7244

Neutron Absorption  
293 Kelvin Cross Sections

72-Hf-180m



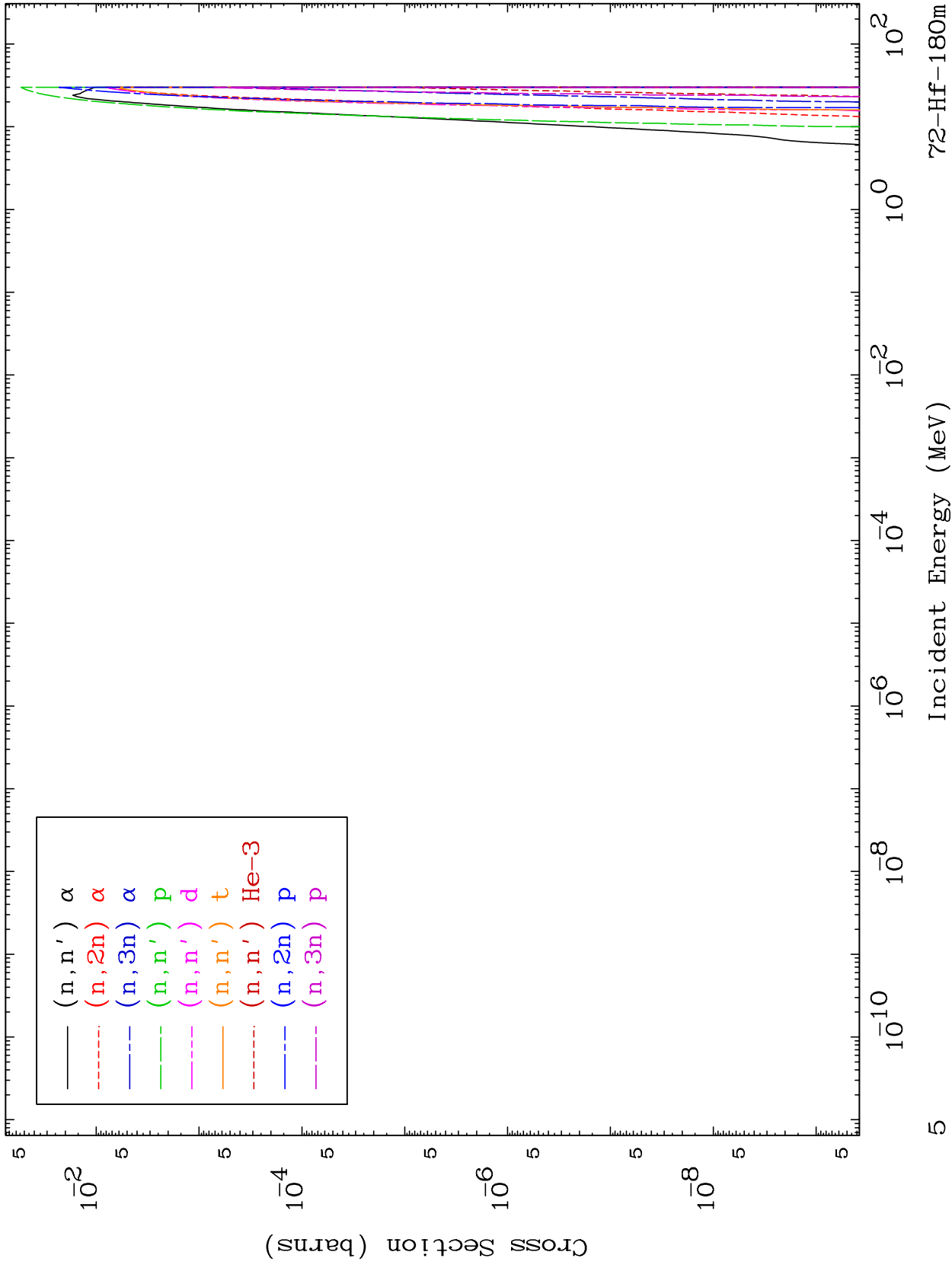




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Charged Particle  
293 Kelvin Cross Sections

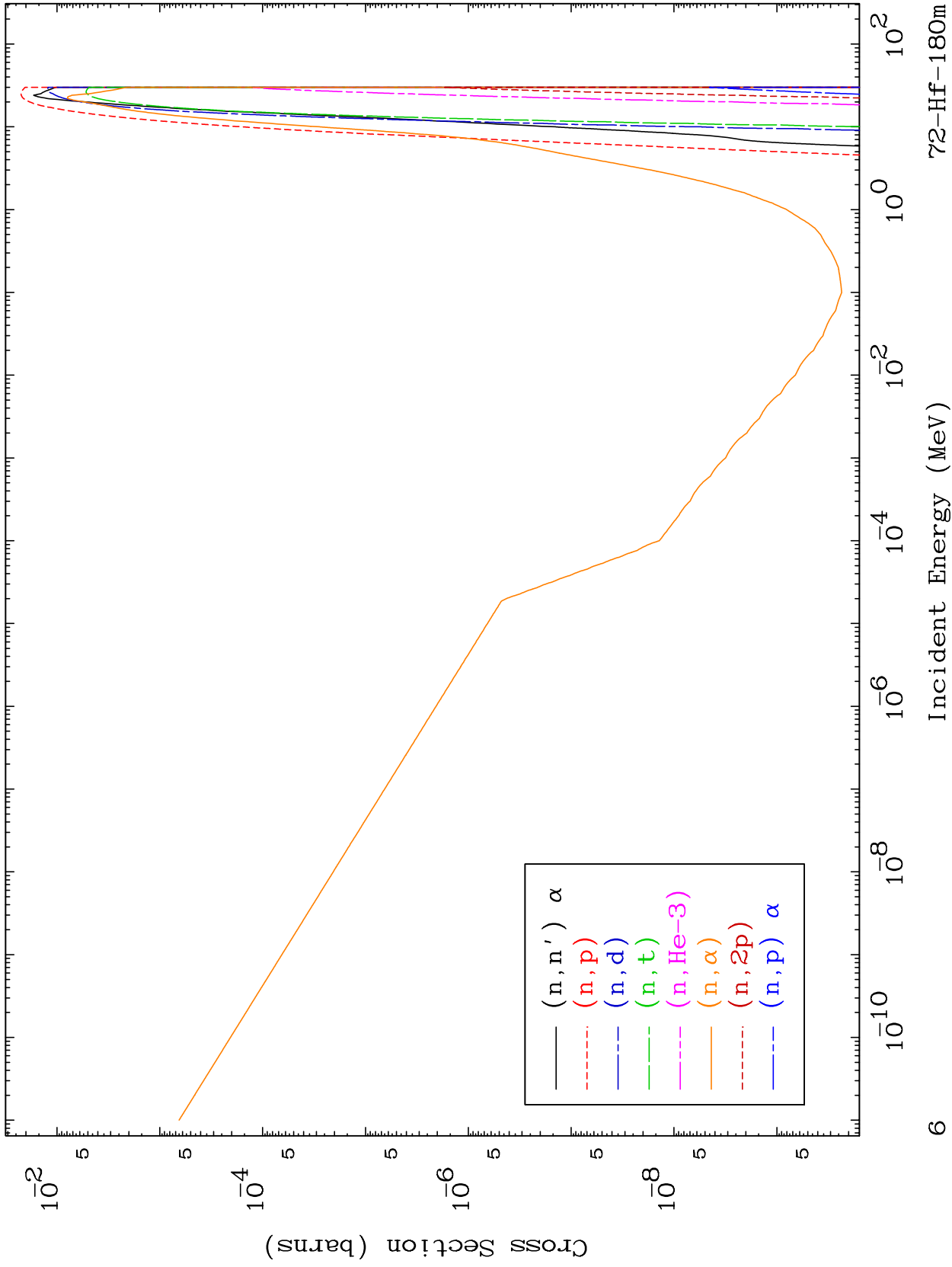
72-Hf-180m



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Charged Particle  
293 Kelvin Cross Sections

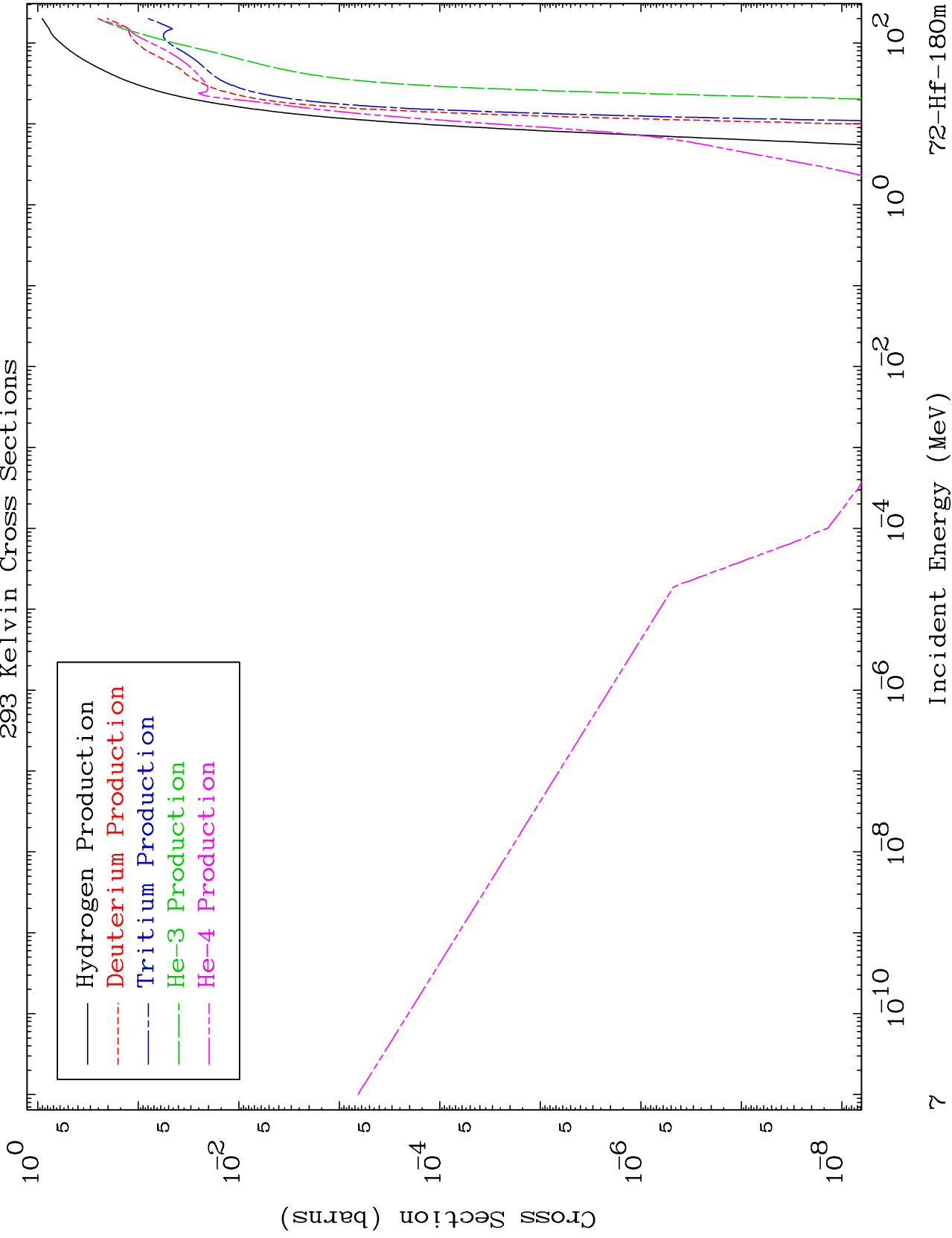
72-Hf-180m



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Particle Production  
293 Kelvin Cross Sections

72-Hf-180m

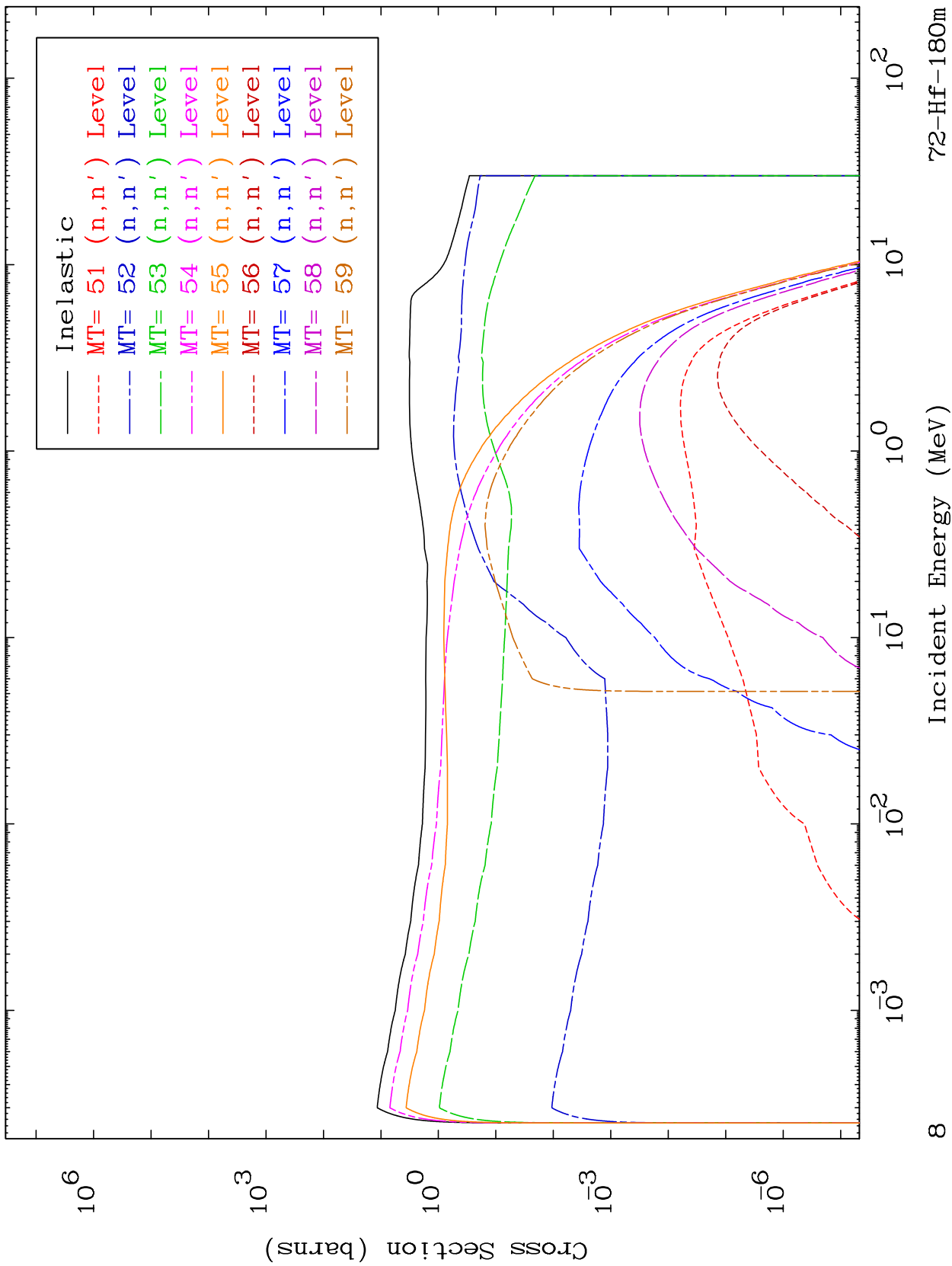




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(n,n') Levels  
293 Kelvin Cross Sections

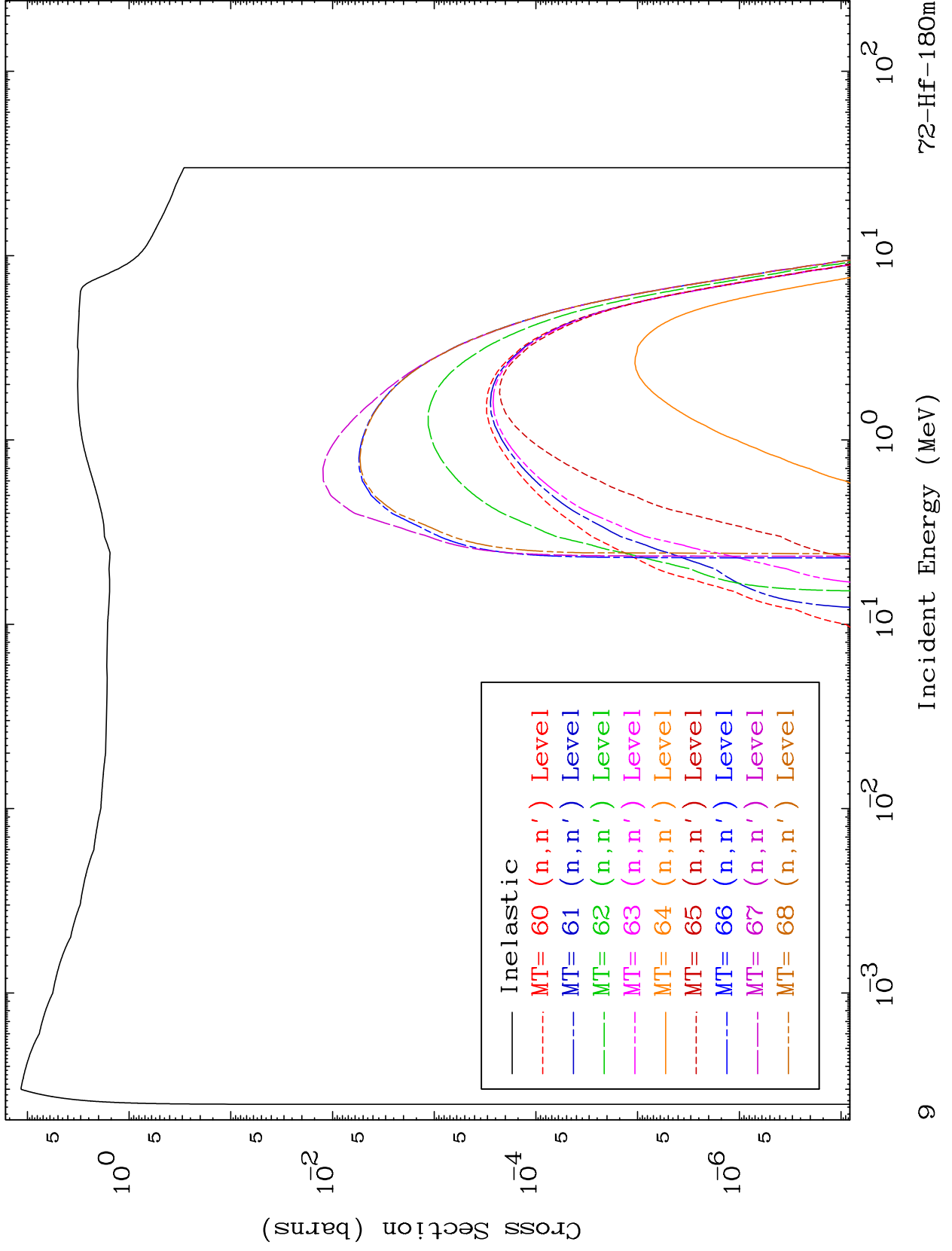
<sup>72</sup>Hf-180m



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(n,n') Levels  
293 Kelvin Cross Sections

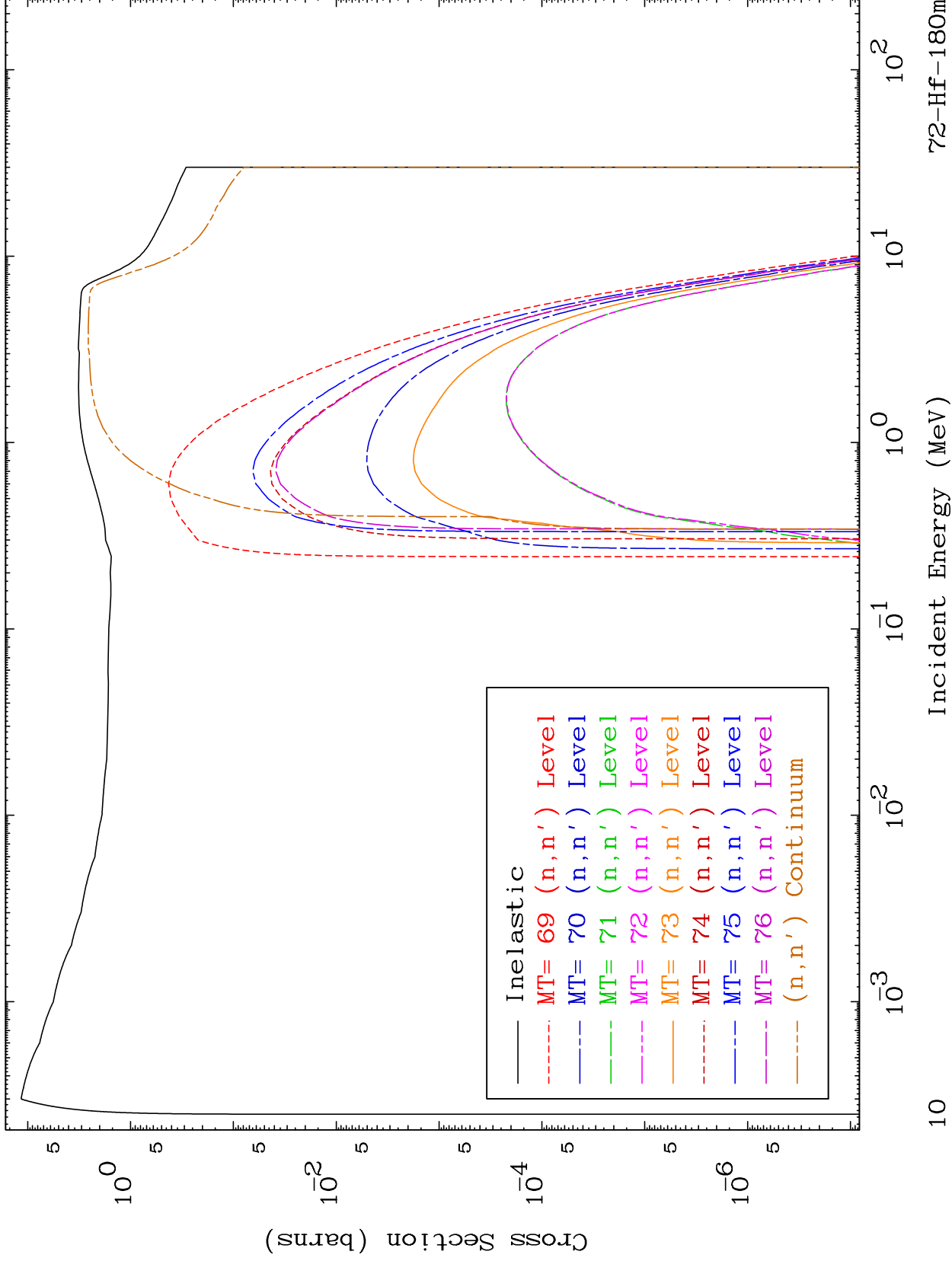
72-Hf-180m



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(n,n') Levels  
293 Kelvin Cross Sections

72-Hf-180m



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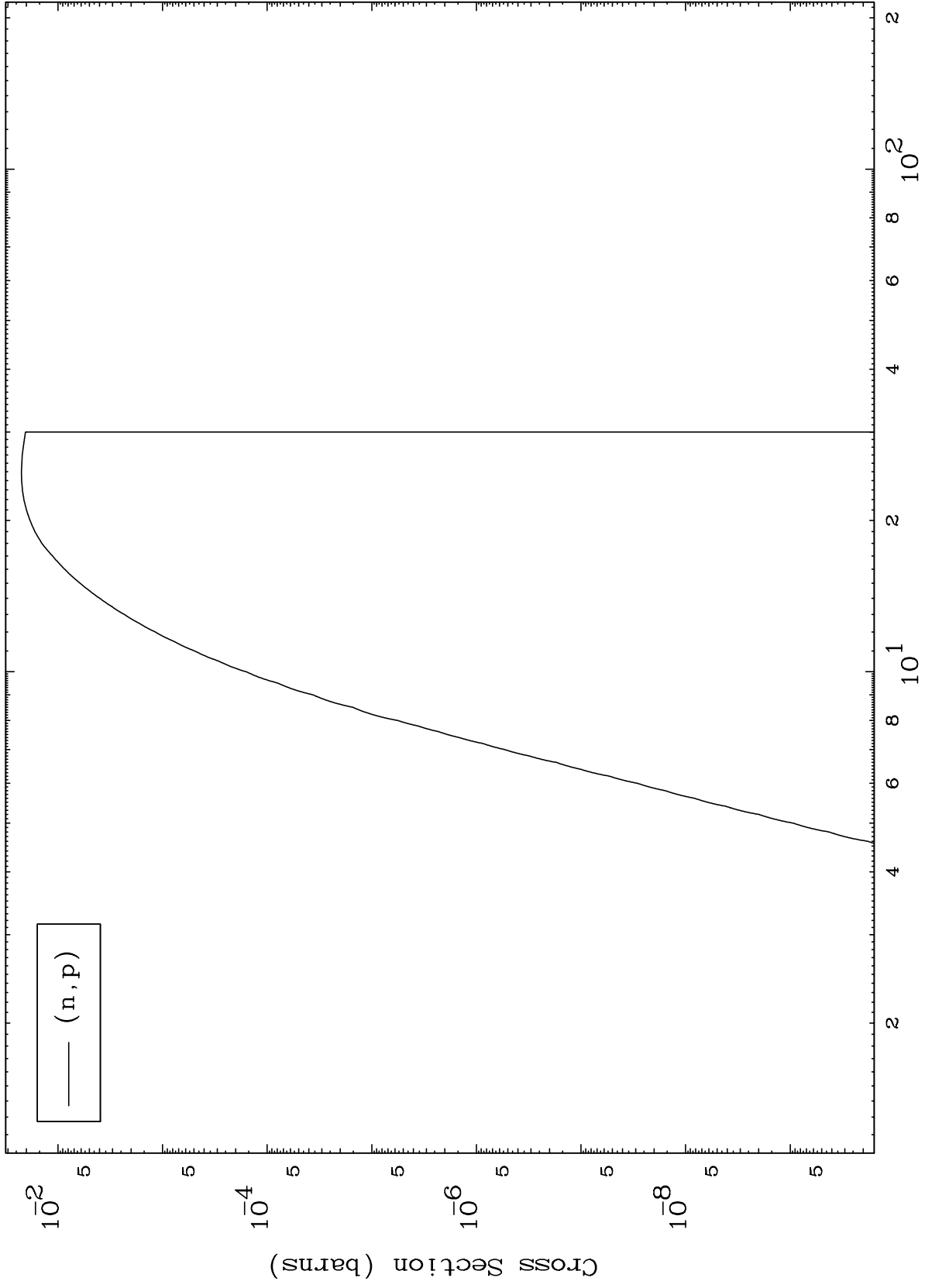
Incident Energy (MeV)

72-Hf-180m

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(n,p) Levels  
293 Kelvin Cross Sections

72-Hf-180m

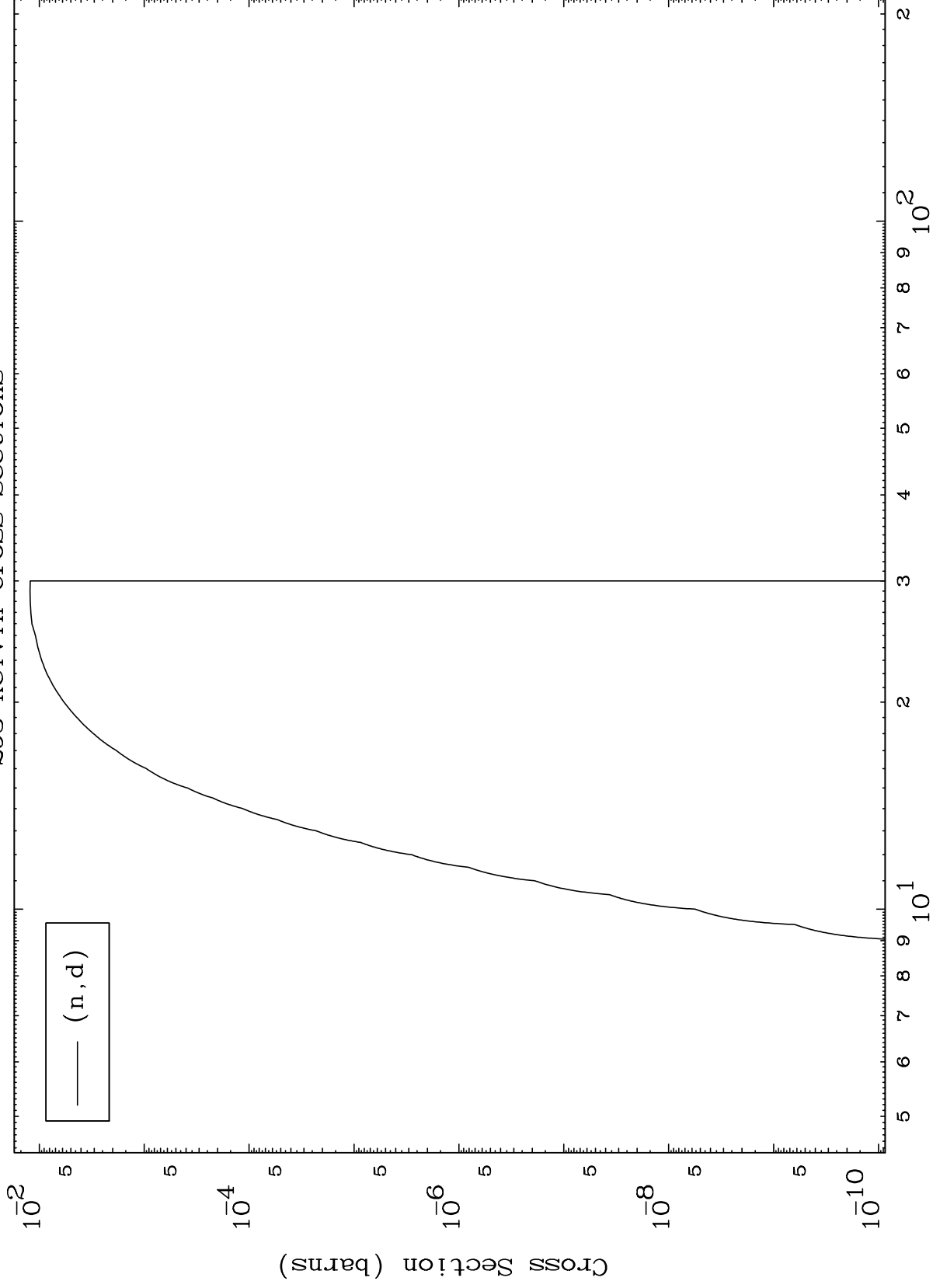


(n,p)

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(n,d) Levels  
293 Kelvin Cross Sections

<sup>72</sup>Hf-180m



12

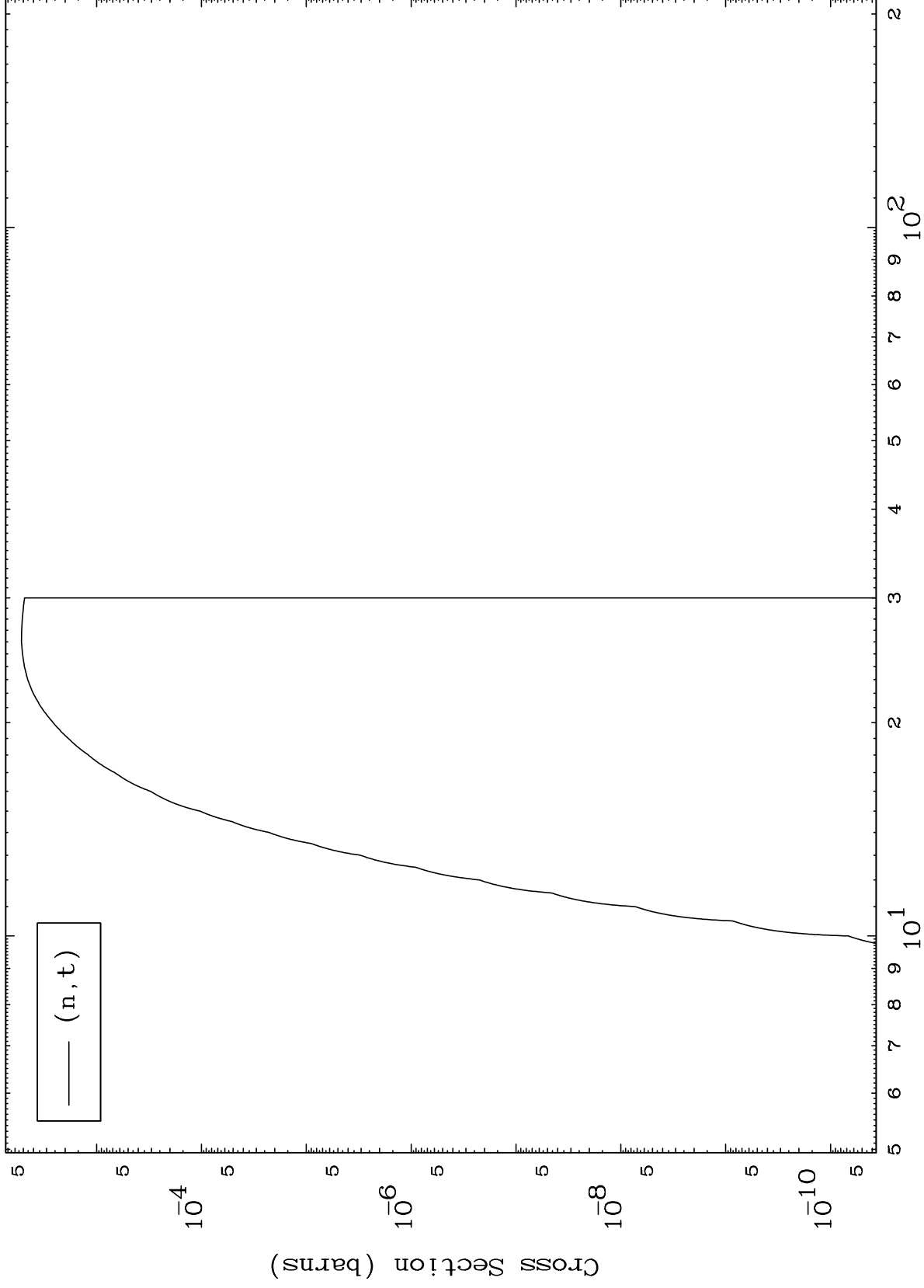
Incident Energy (MeV)

<sup>72</sup>Hf-180m

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(n,t) Levels  
293 Kelvin Cross Sections

72-Hf-180m



13

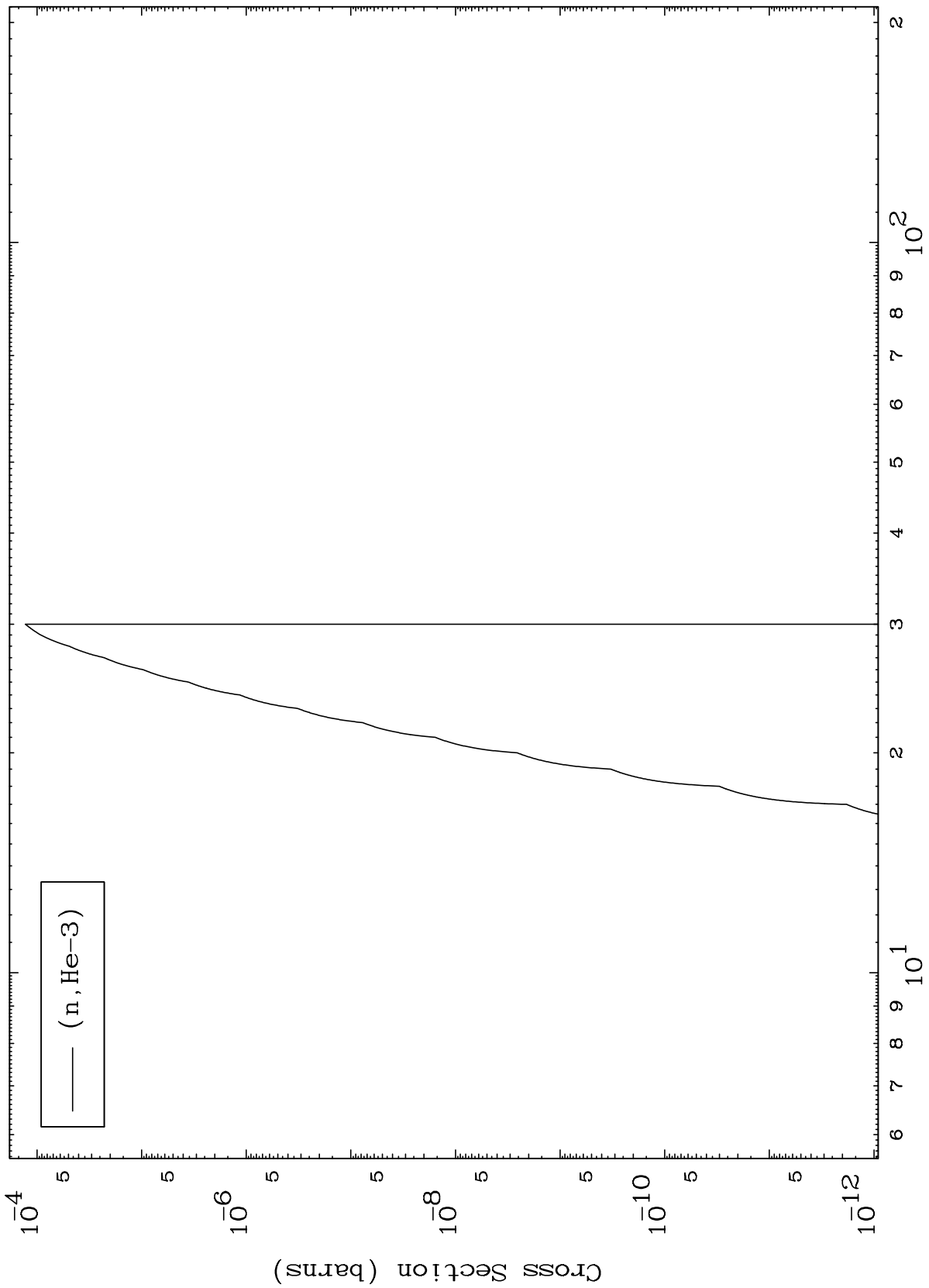
Incident Energy (MeV)

72-Hf-180m

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72-Hf-180m

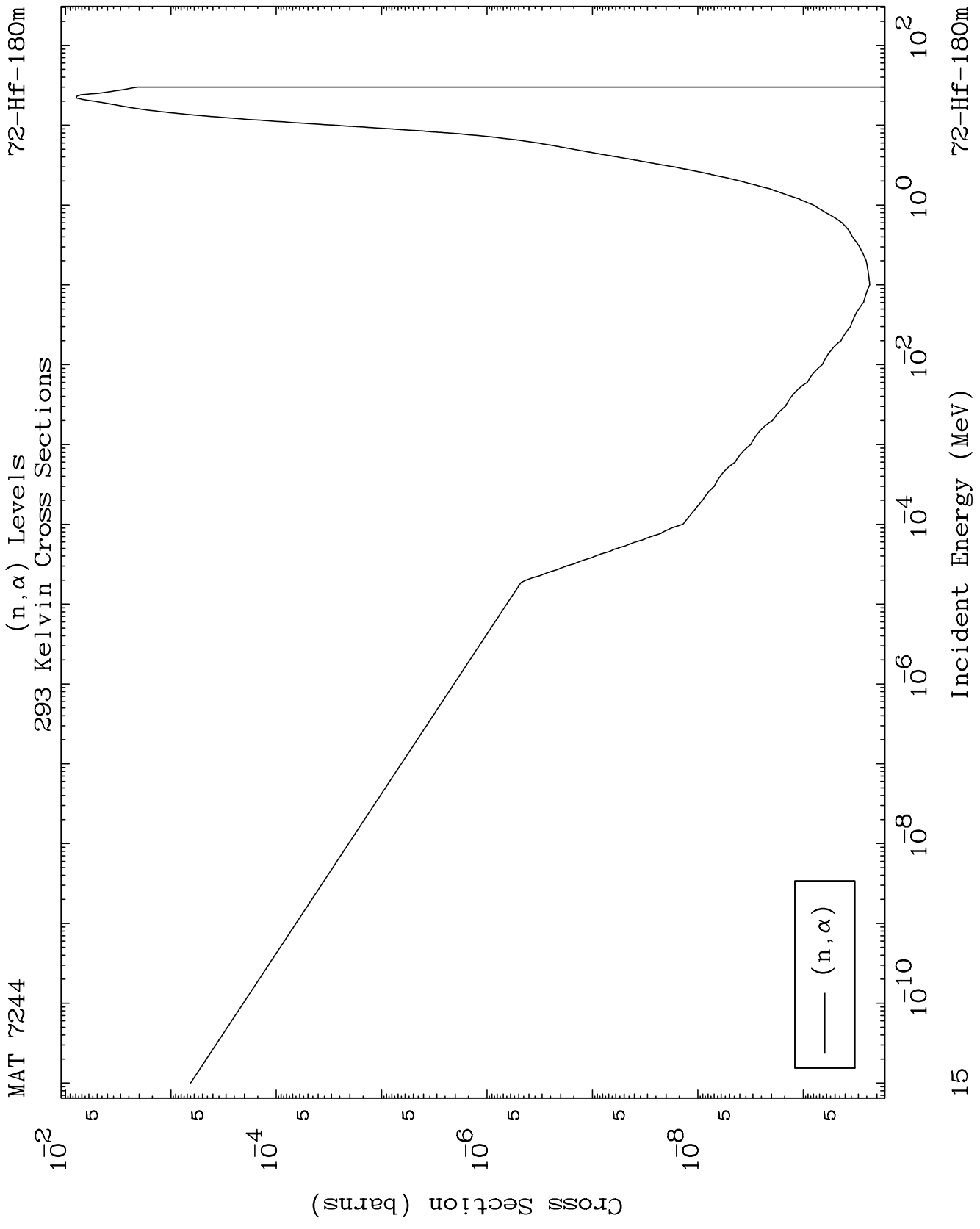
(n,He3) Levels  
293 Kelvin Cross Sections



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Incident Energy (MeV)

72-Hf-180m



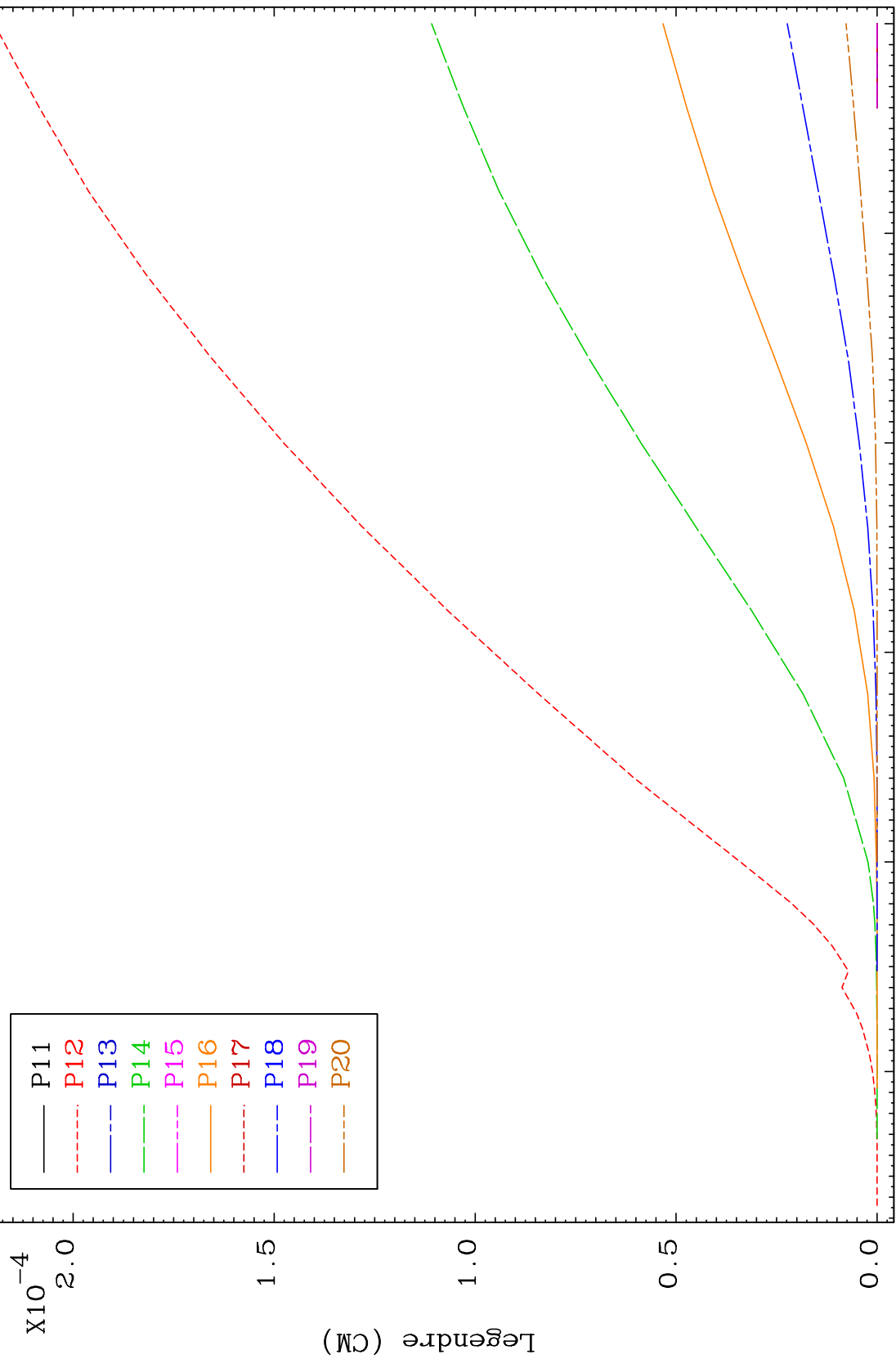
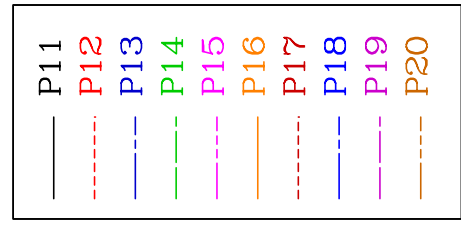




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Elastic Legendre Coefficients

<sup>72</sup>Hf-180m



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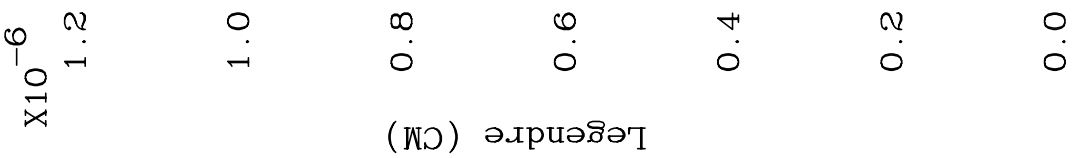
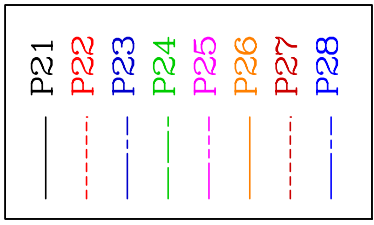
Incident Energy (MeV)

<sup>72</sup>Hf-180m

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Elastic Legendre Coefficients

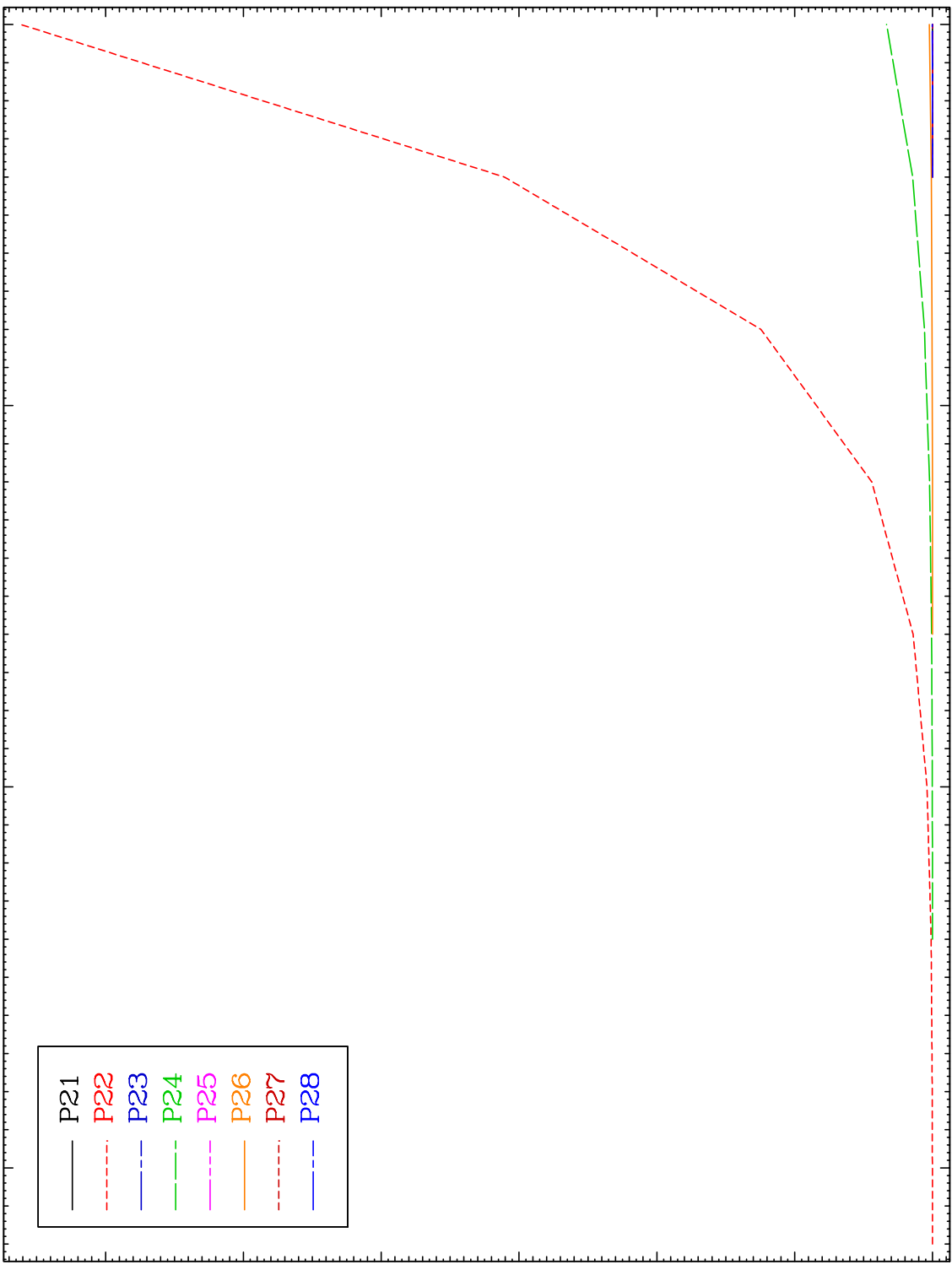
<sup>72</sup>Hf-180m



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Incident Energy (MeV)

<sup>72</sup>Hf-180m

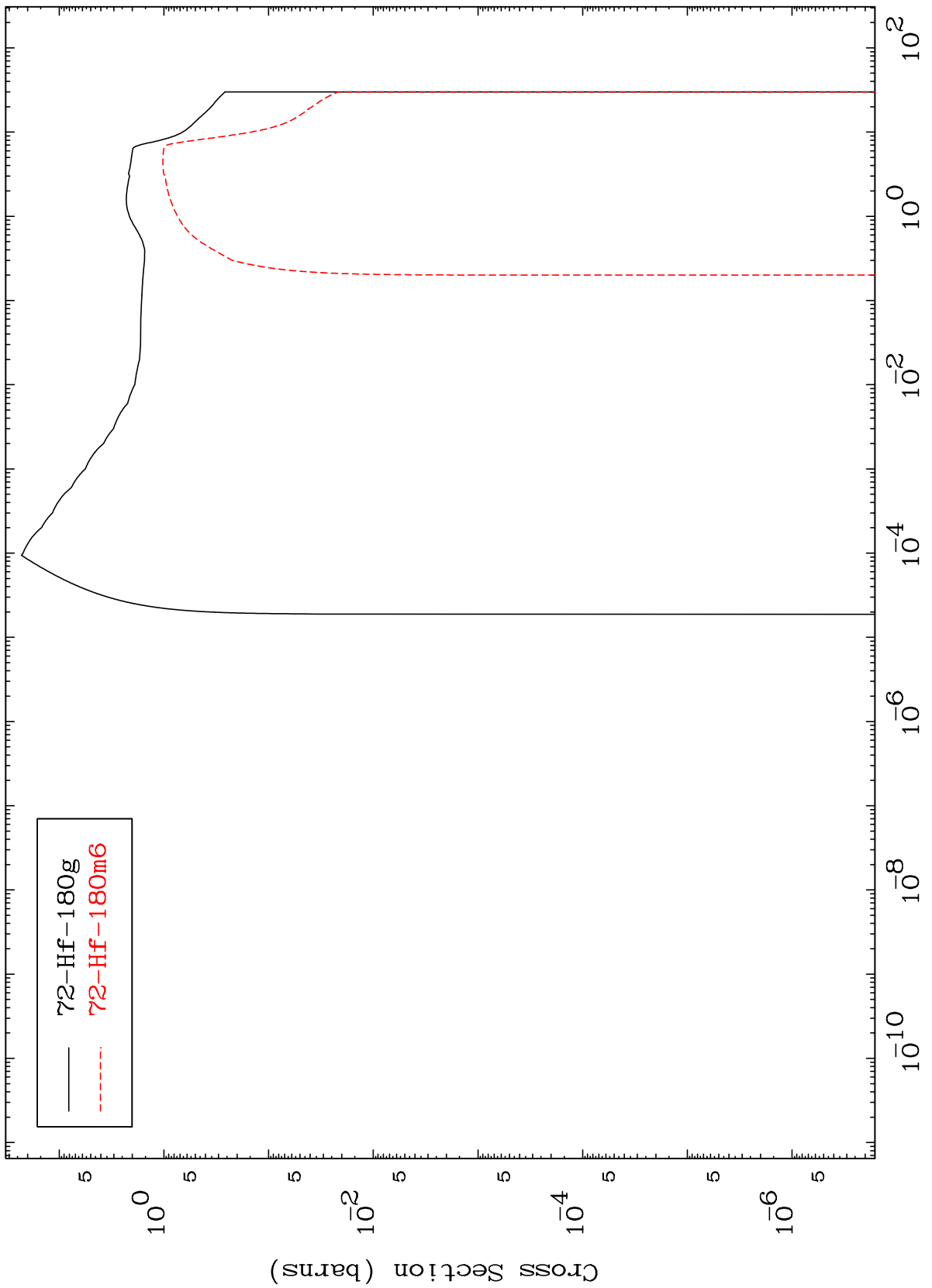


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<sup>72</sup>Hf-180m

Radionuclide Production Cross Section

Inelastic

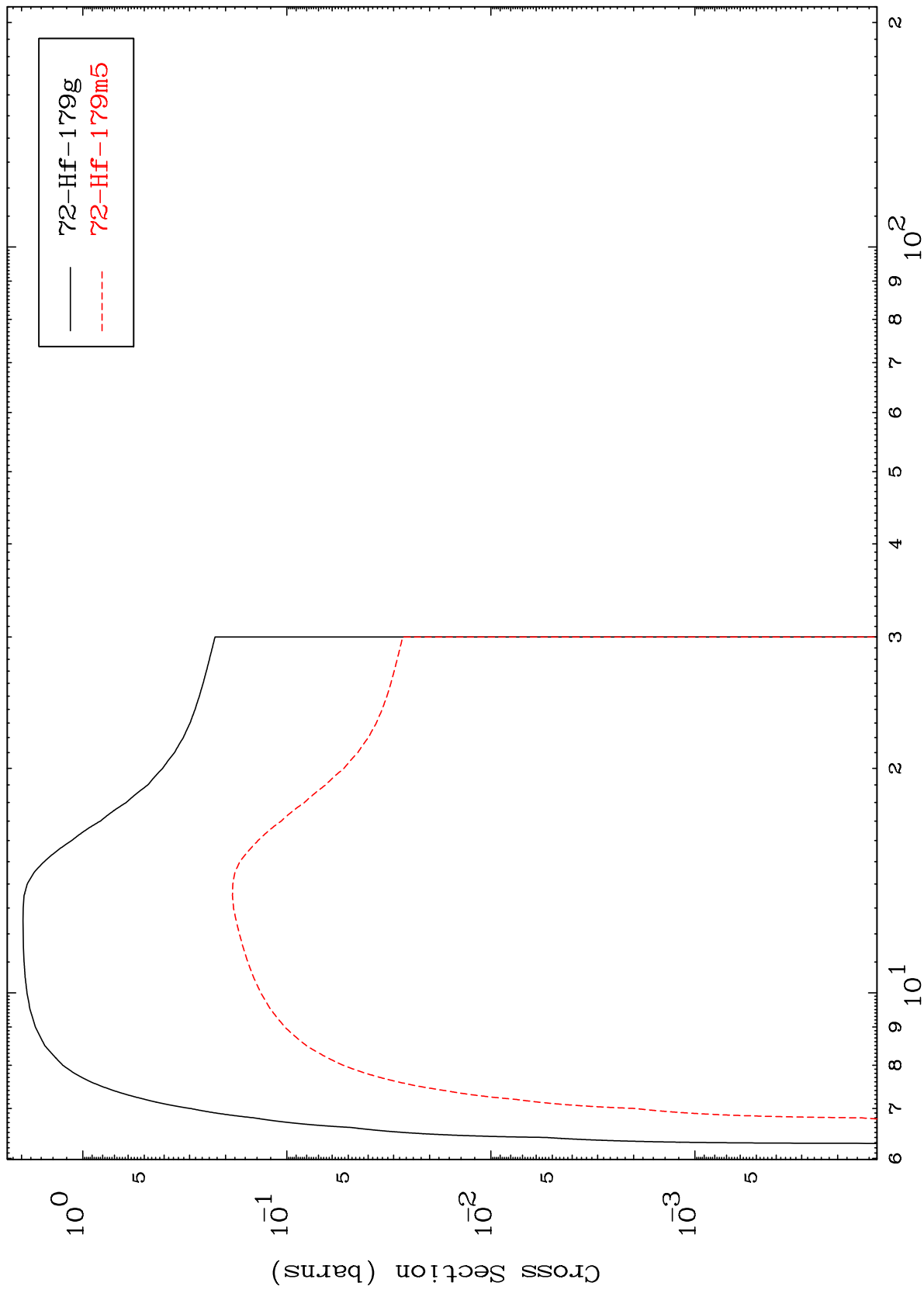


— <sup>72</sup>Hf-180g  
- - - <sup>72</sup>Hf-180m6

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72-Hf-180m

(n,2n)  
Radionuclide Production Cross Section



72-Hf-180m

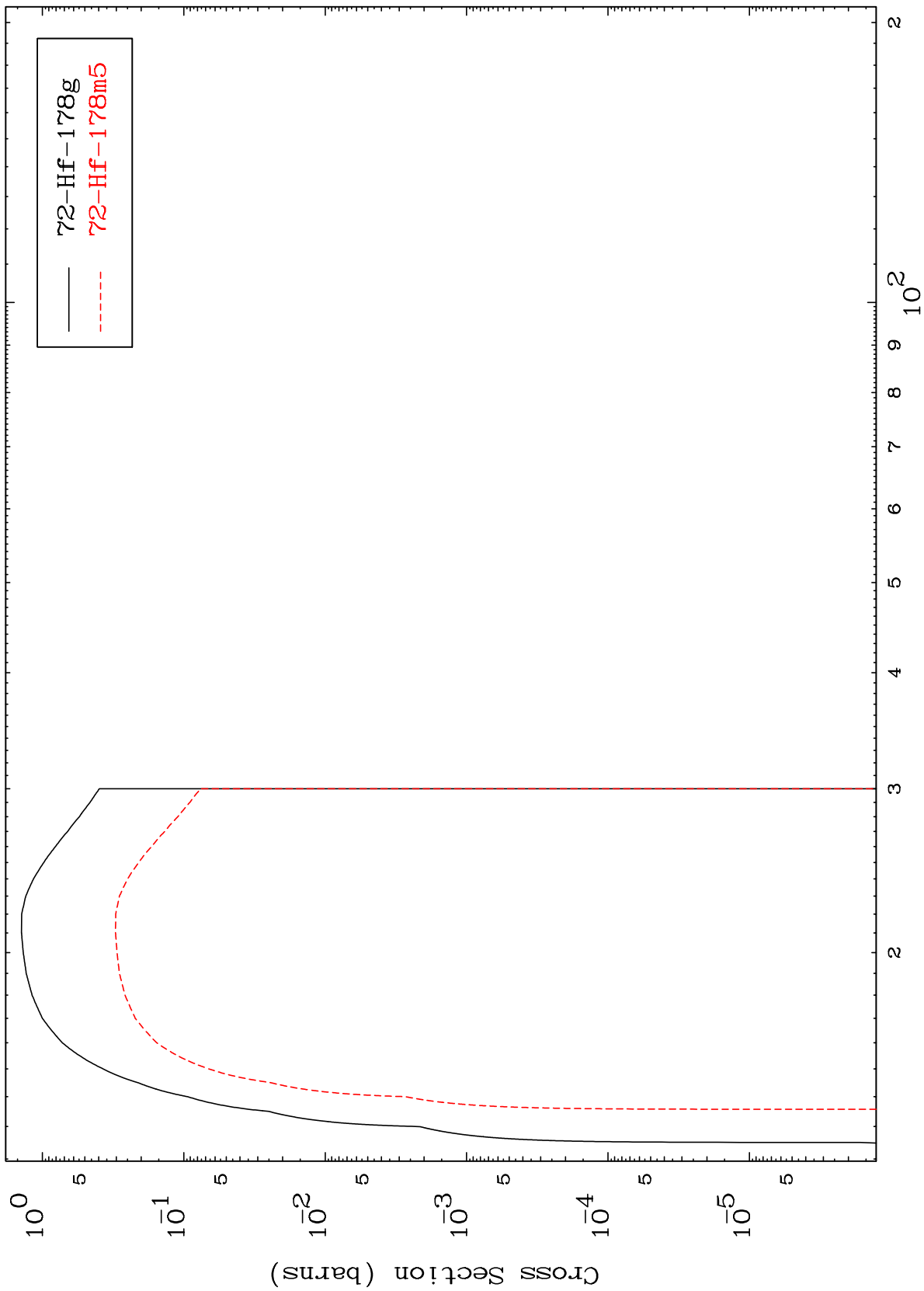
Incident Energy (MeV)

20

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72-Hf-180m

(n,3n)  
Radionuclide Production Cross Section



72-Hf-180m

Incident Energy (MeV)

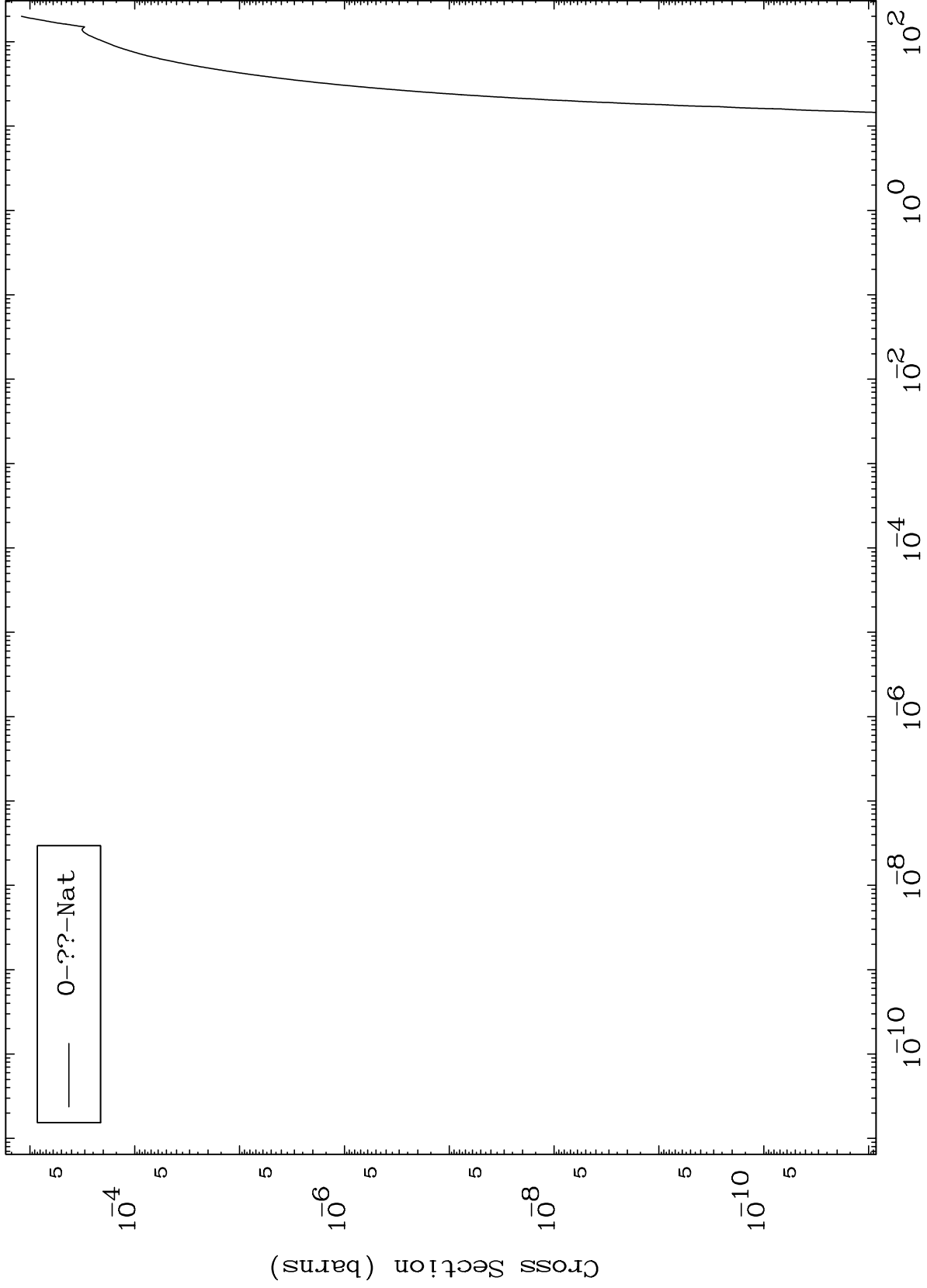
21

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Fission

<sup>72</sup>Hf-180m

Radionuclide Production Cross Section

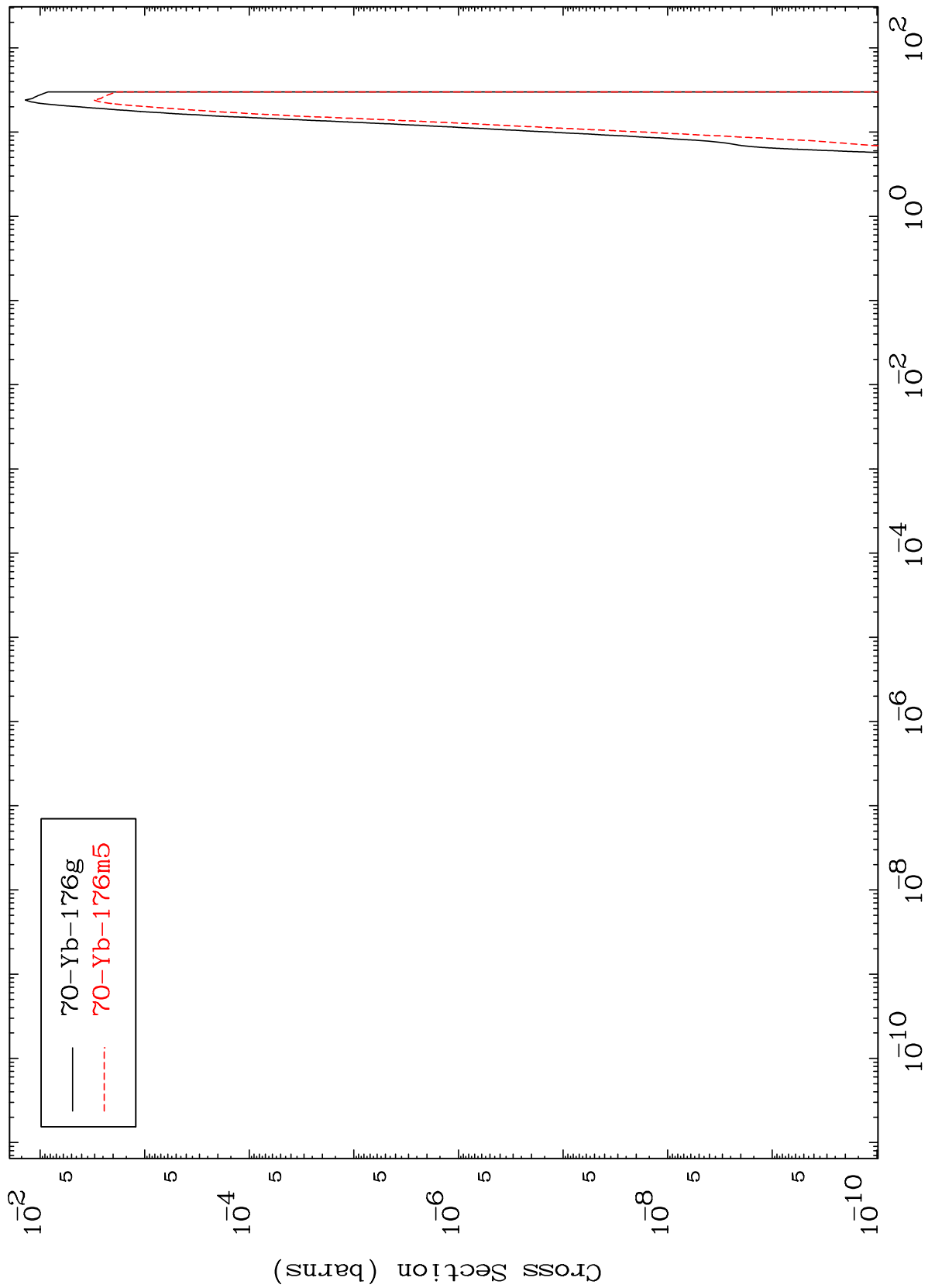


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$(n, n') \alpha$

$^{72}\text{Hf}-180\text{m}$

Radionuclide Production Cross Section



—  $^{70}\text{Yb}-176\text{g}$   
- - -  $^{70}\text{Yb}-176\text{m5}$

Incident Energy (MeV)

$^{72}\text{Hf}-180\text{m}$

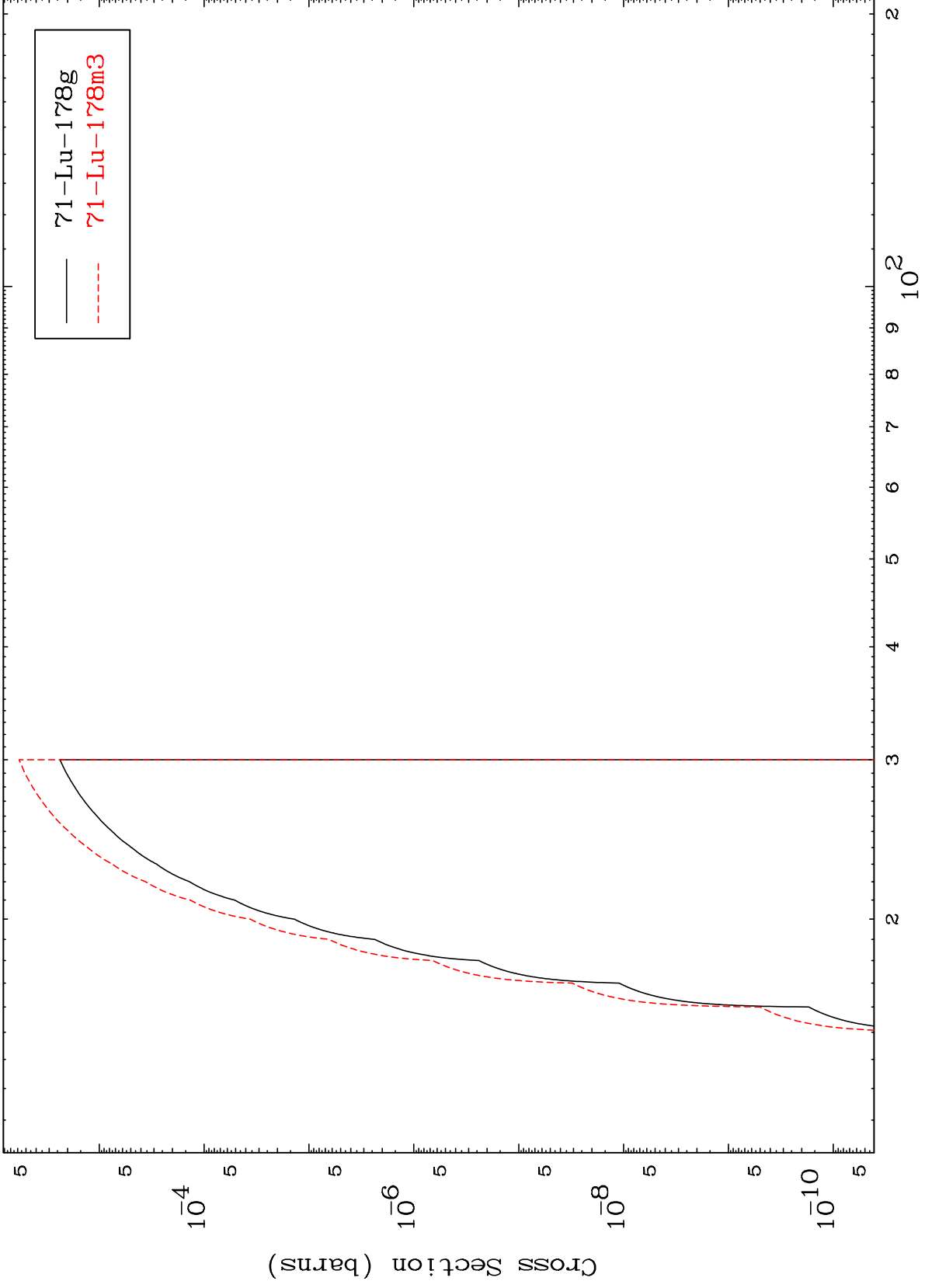


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(n,n') d

72-Hf-180m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

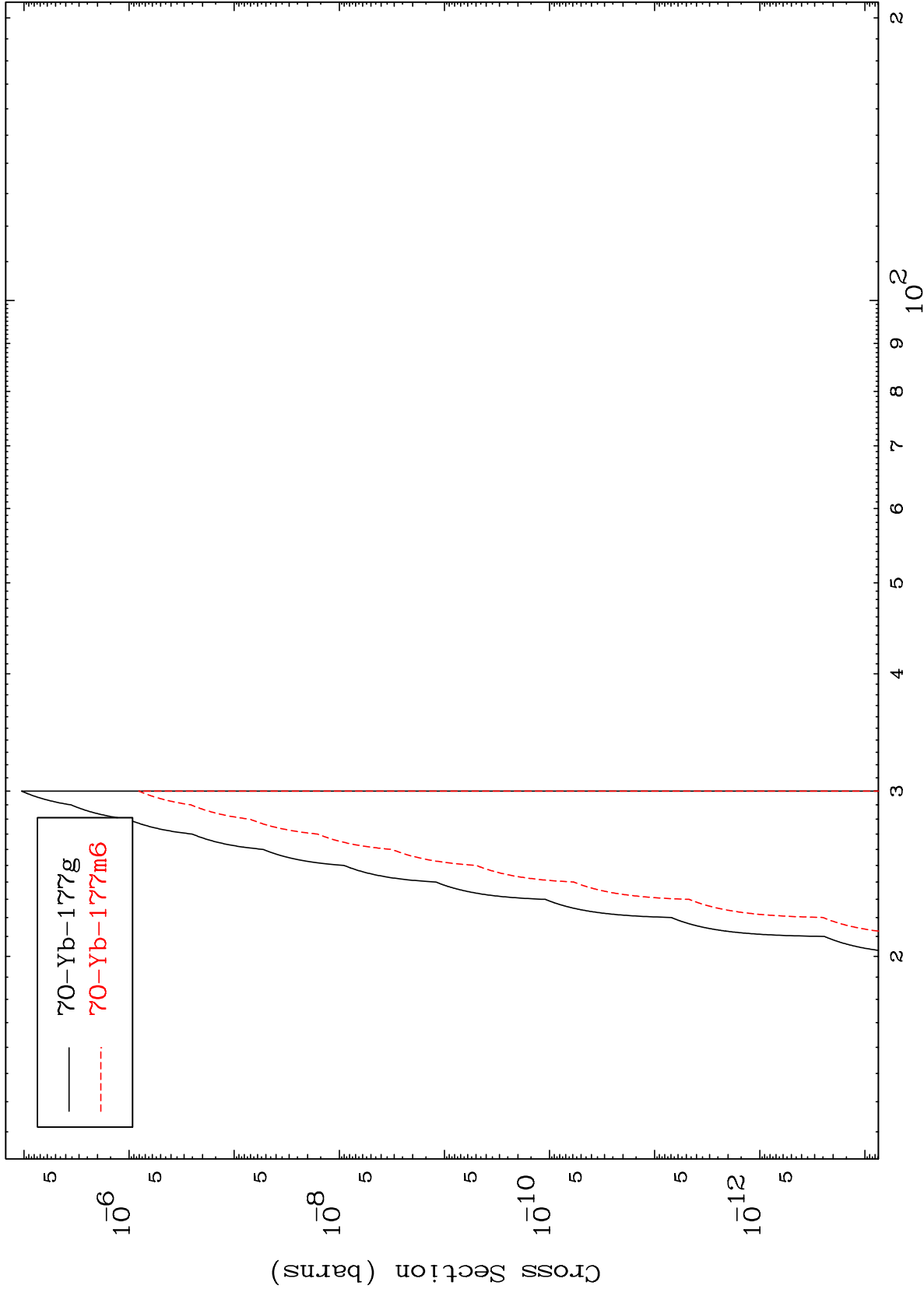
72-Hf-180m

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(n,n') He-3

72-Hf-180m

Radionuclide Production Cross Section



Incident Energy (MeV)

72-Hf-180m

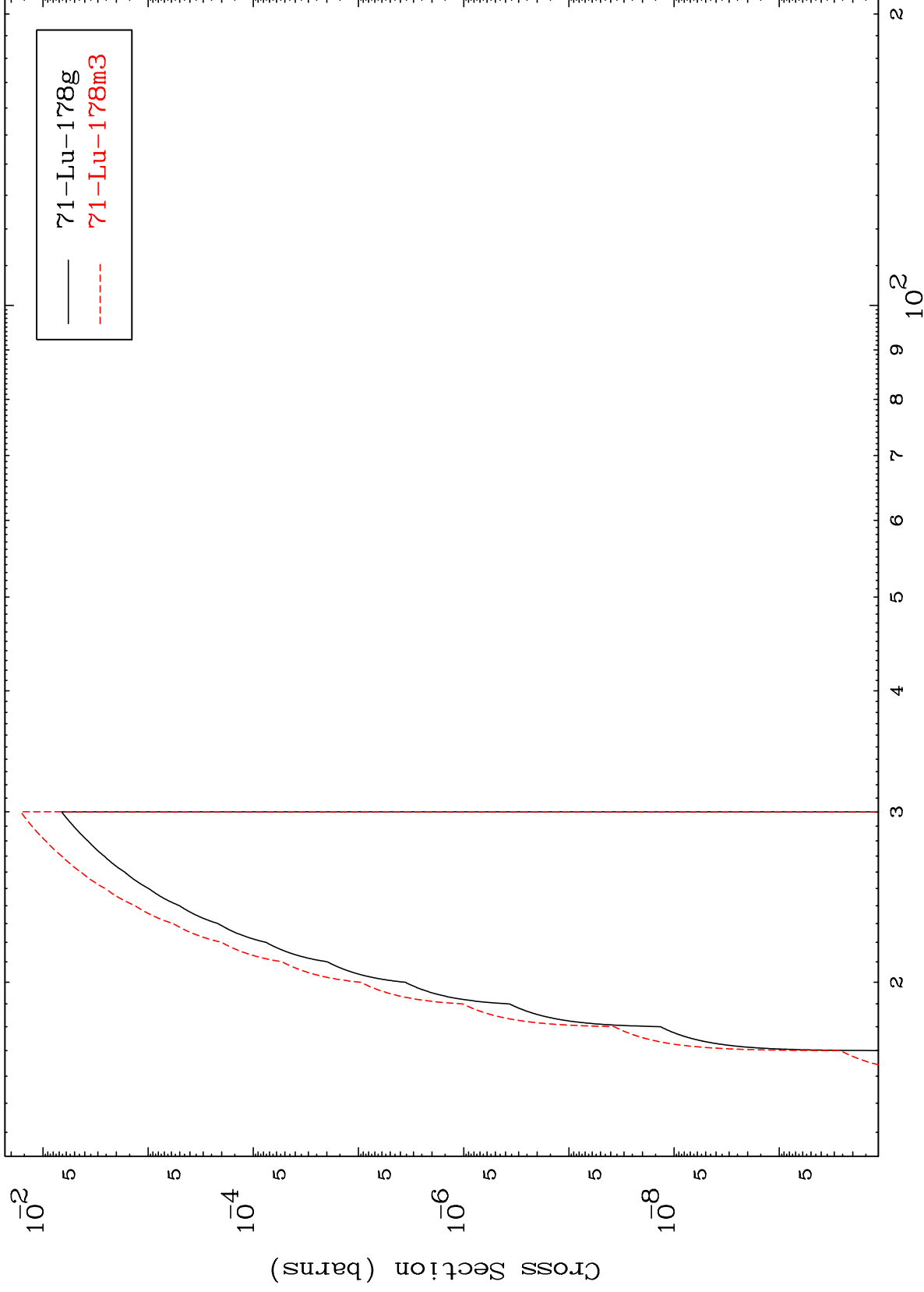
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(n,2n) p

72-Hf-180m

Radionuclide Production Cross Section



26

Incident Energy (MeV)

72-Hf-180m

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72-Hf-180m

