

Program EVALPLOT  
(Version 2021-1)

by

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(Present Contact Information)

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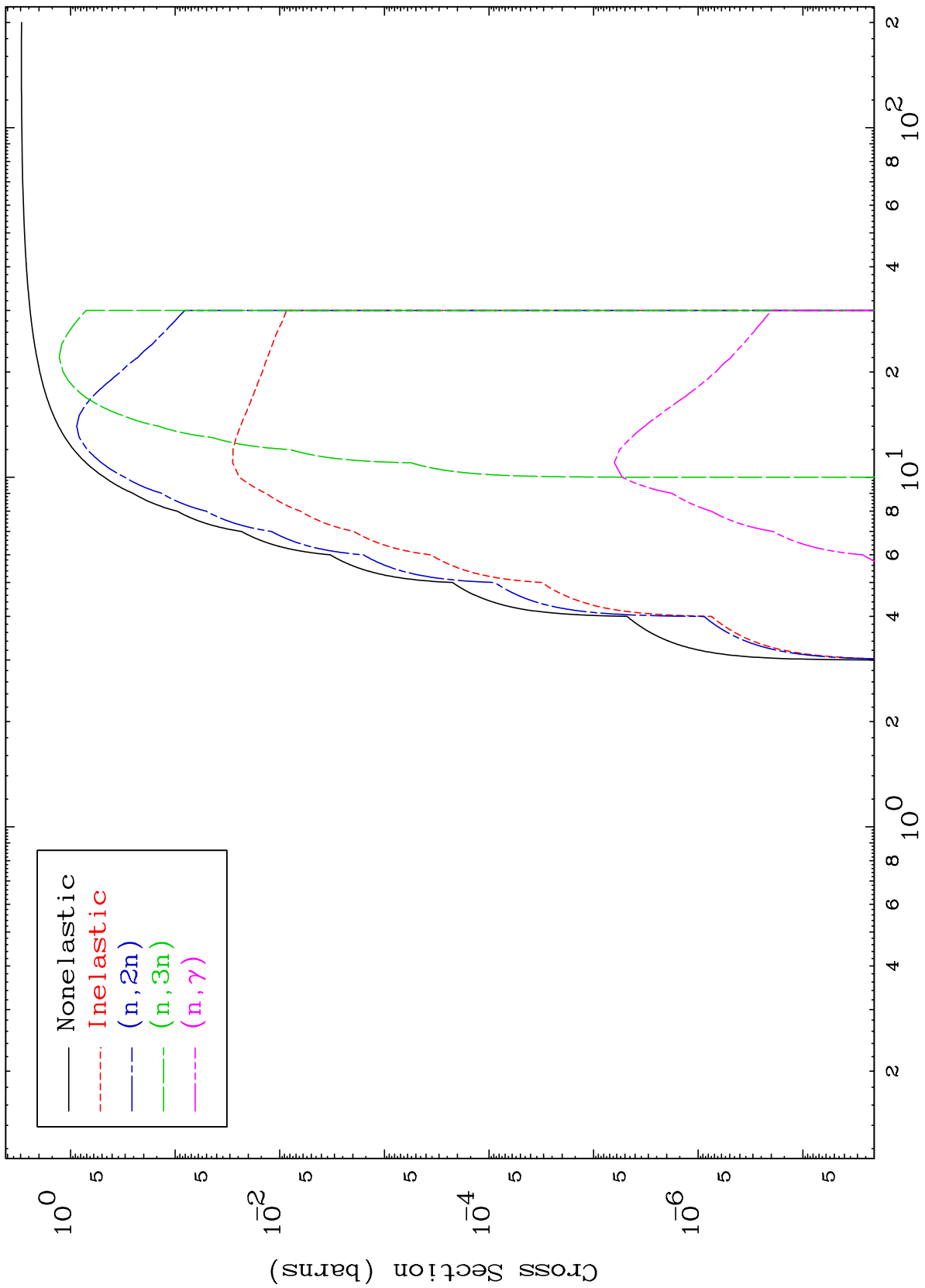
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7236

Deuteron Major  
0 Kelvin Cross Sections

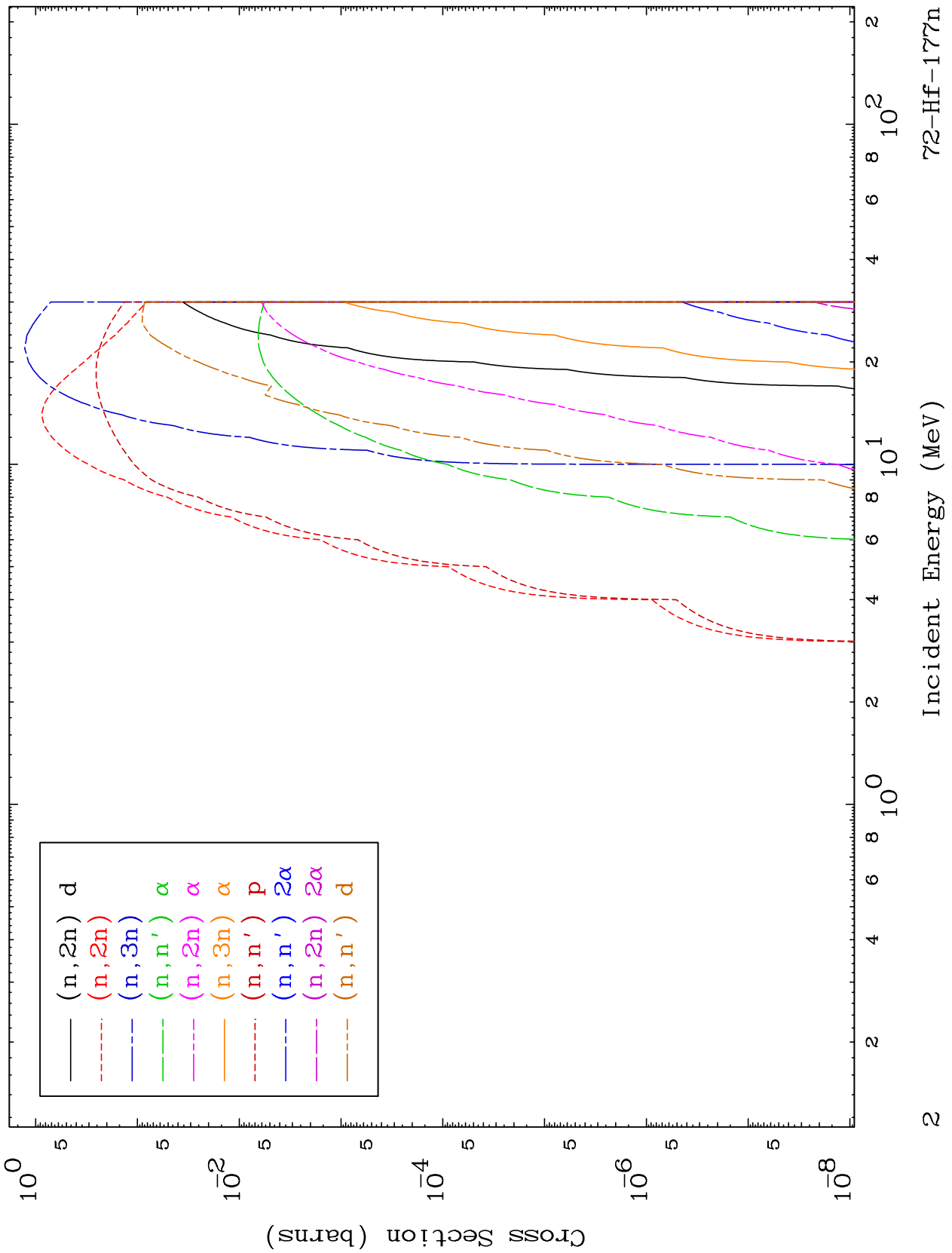
<sup>72</sup>Hf-<sup>177</sup>n



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Deuteron Neutron Absorption  
0 Kelvin Cross Sections

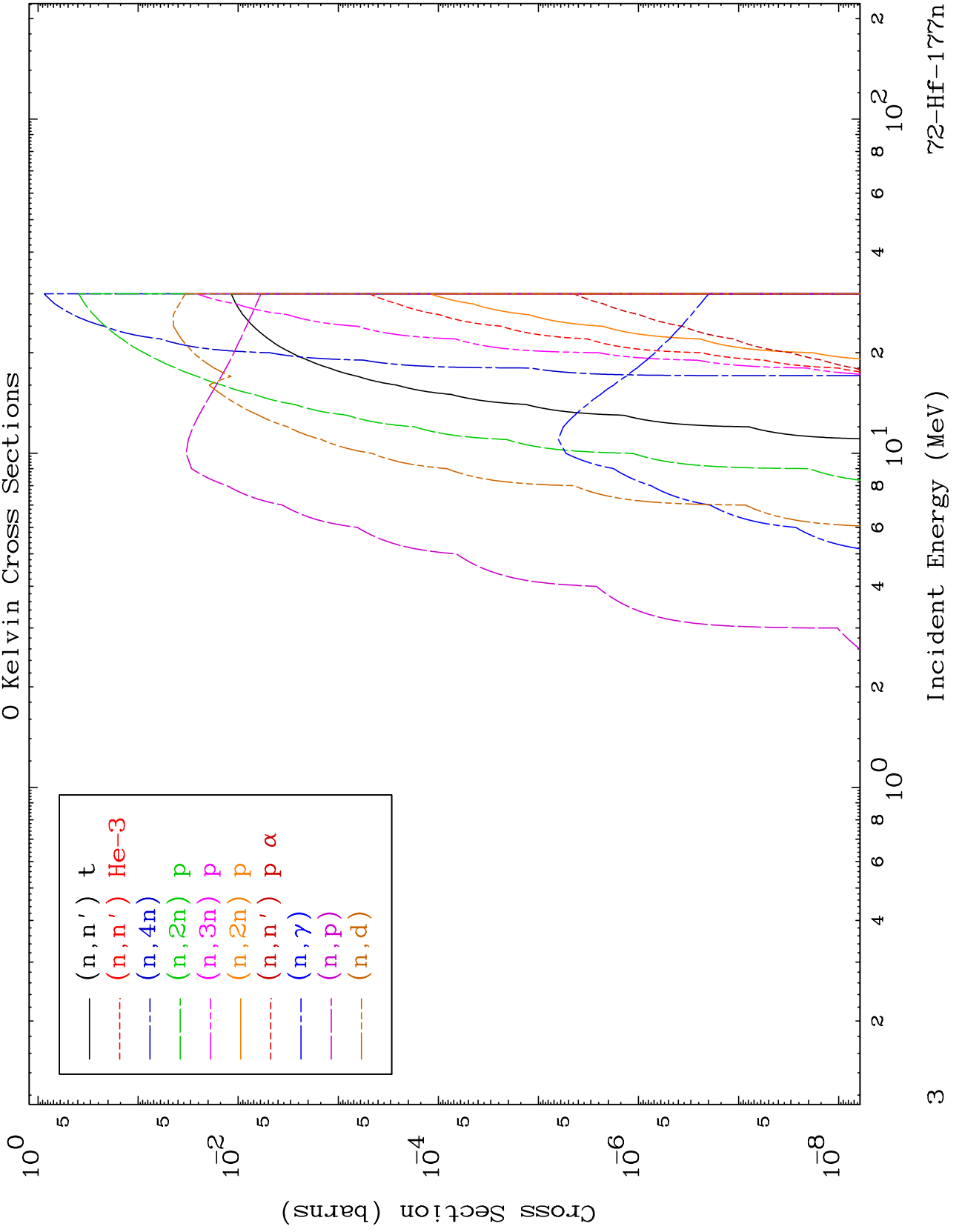
<sup>72</sup>Hf-177n



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Deuteron Neutron Absorption  
0 Kelvin Cross Sections

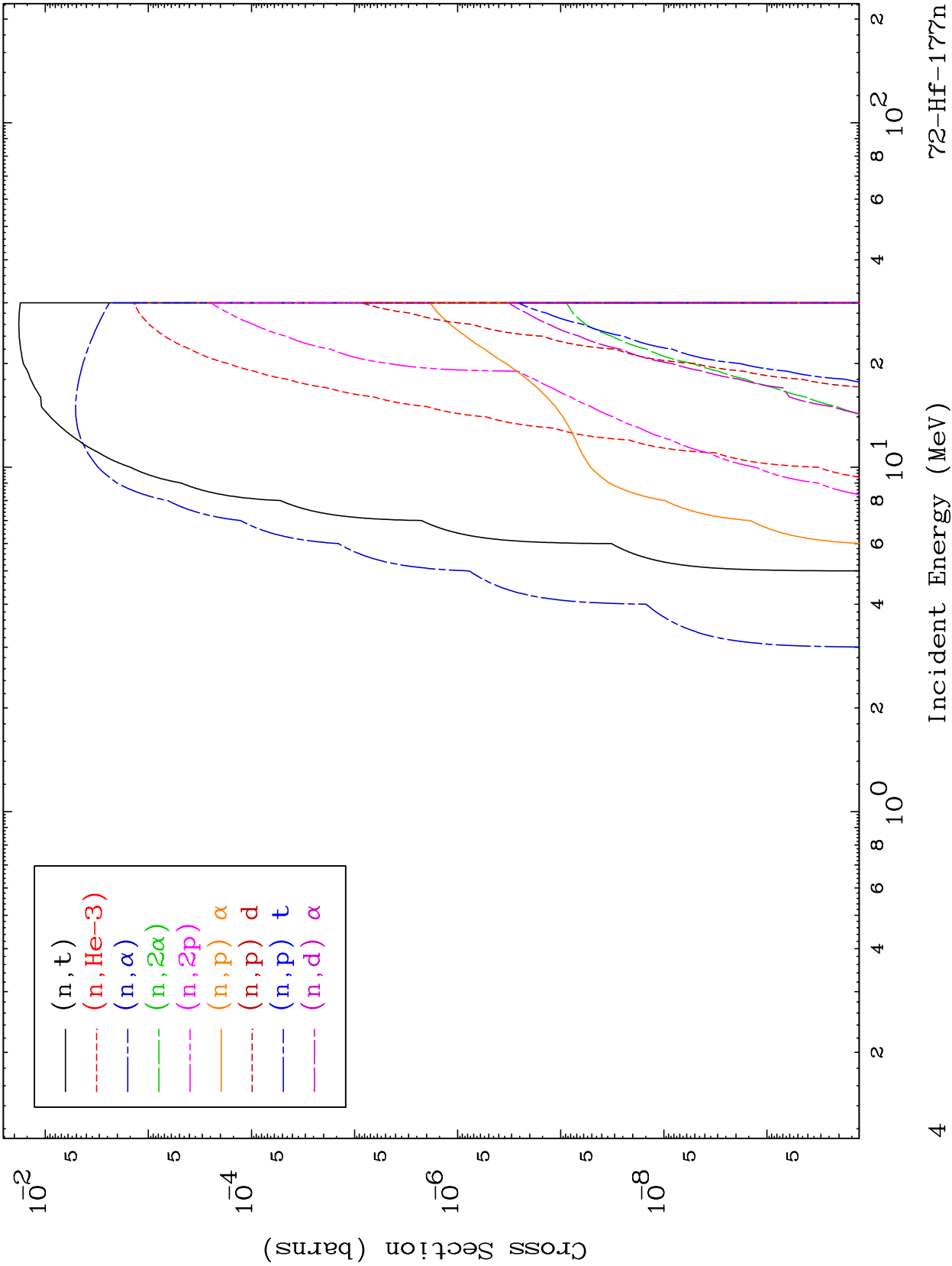
$^{72}\text{Hf}-177\text{n}$



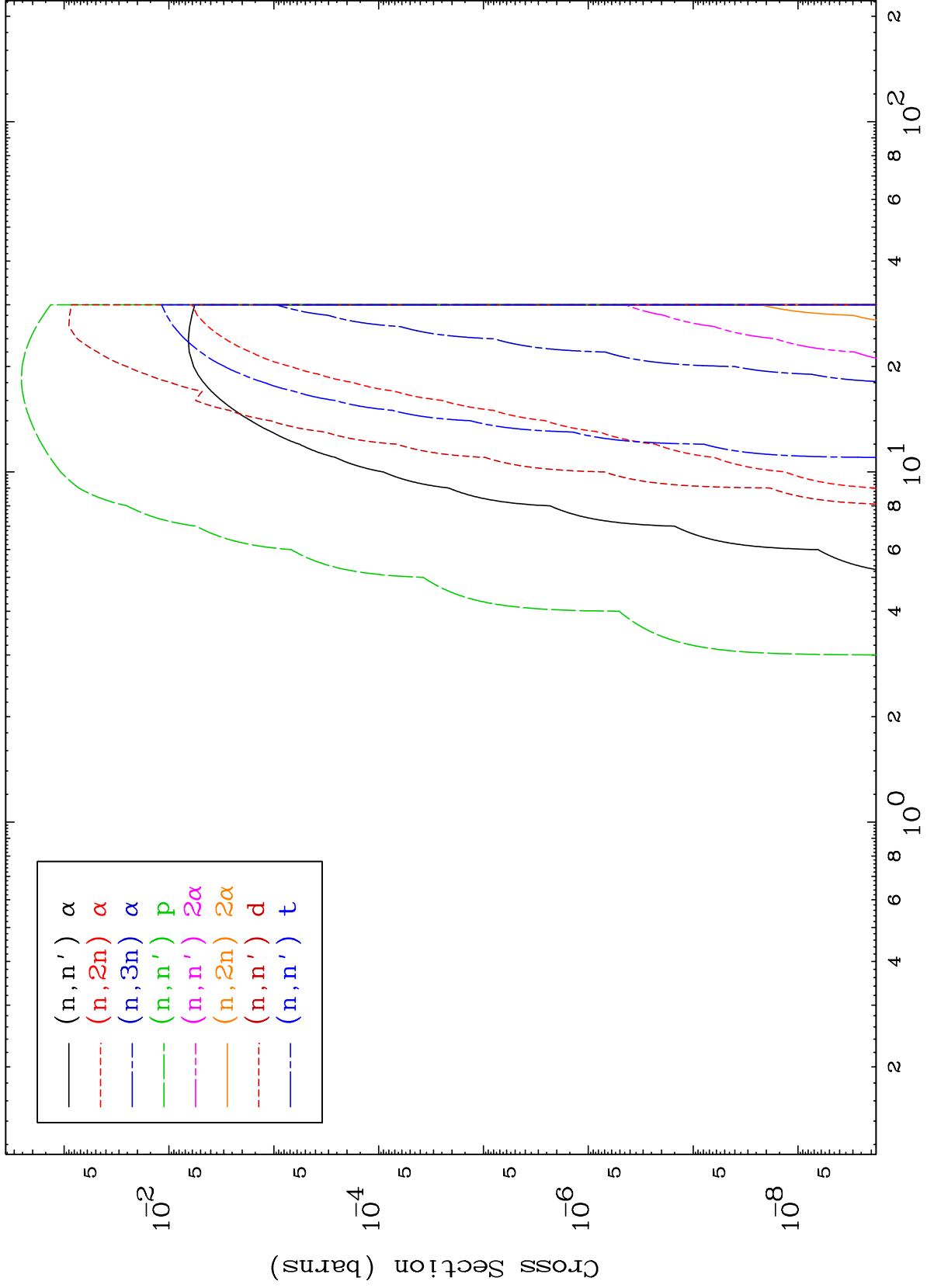
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Deuteron Neutron Absorption  
0 Kelvin Cross Sections

<sup>72</sup>Hf-177n



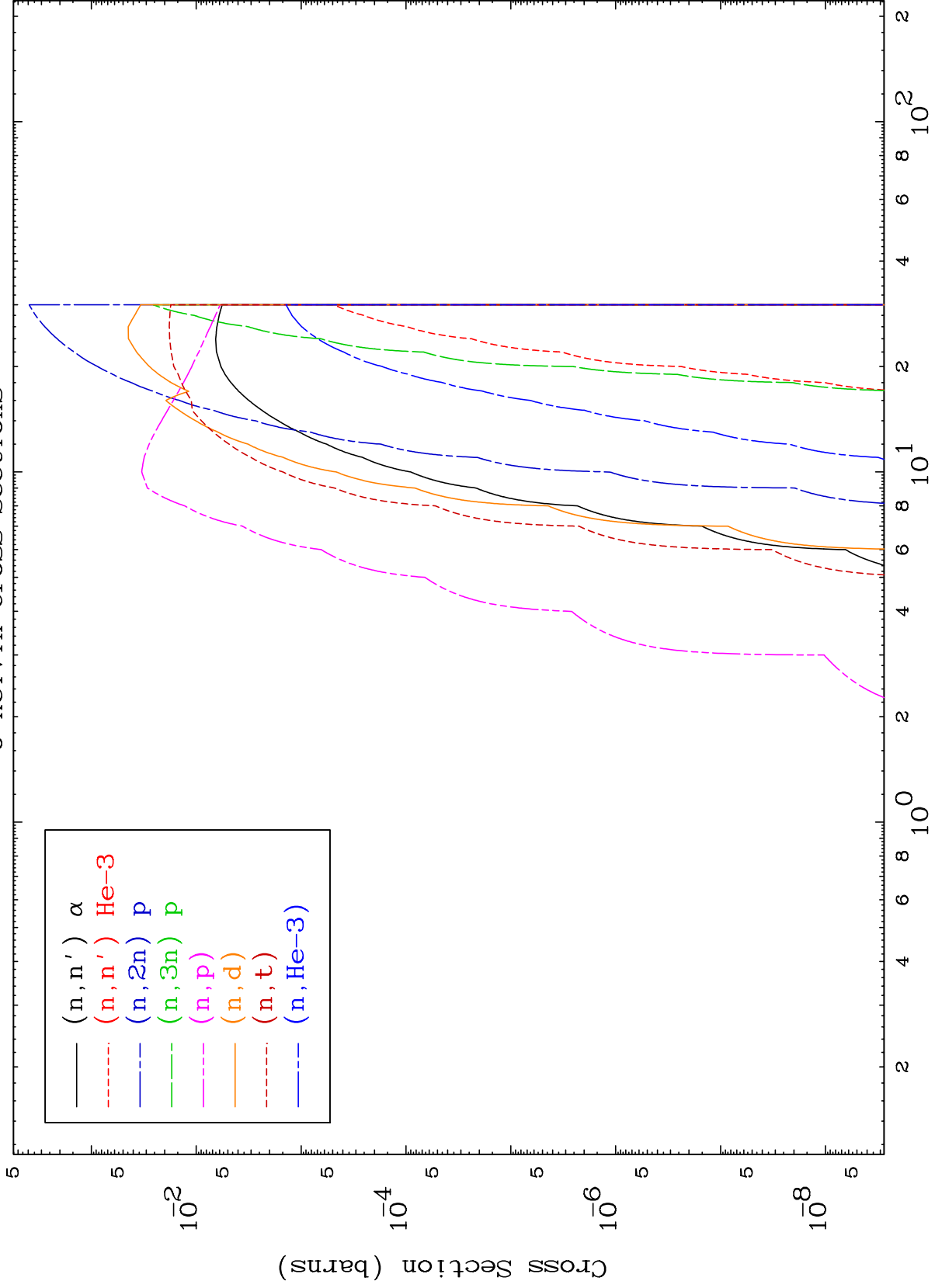
<sup>72</sup>Hf-177n

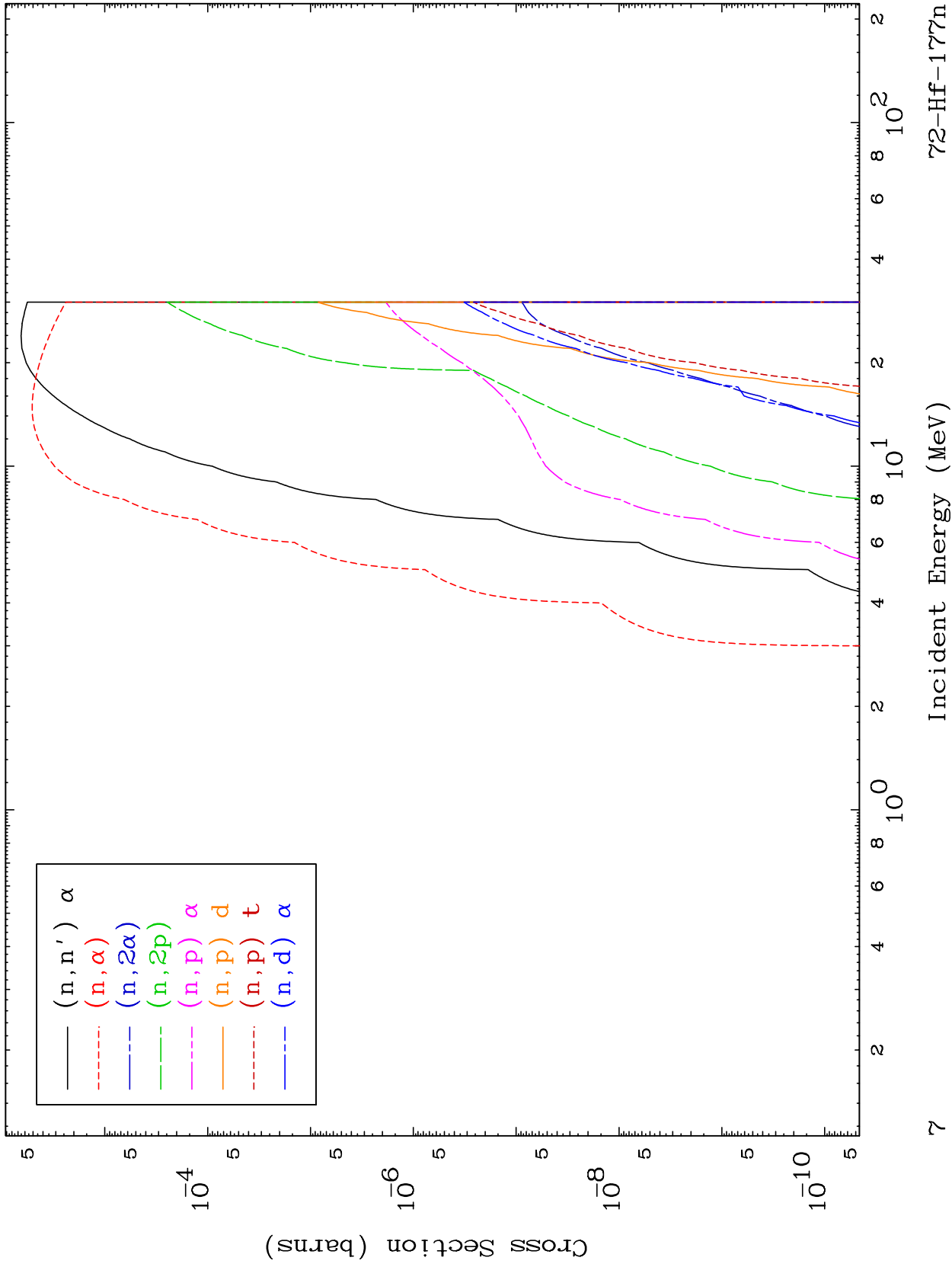


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Deuteron Charged Particle  
0 Kelvin Cross Sections

<sup>72</sup>Hf-177n

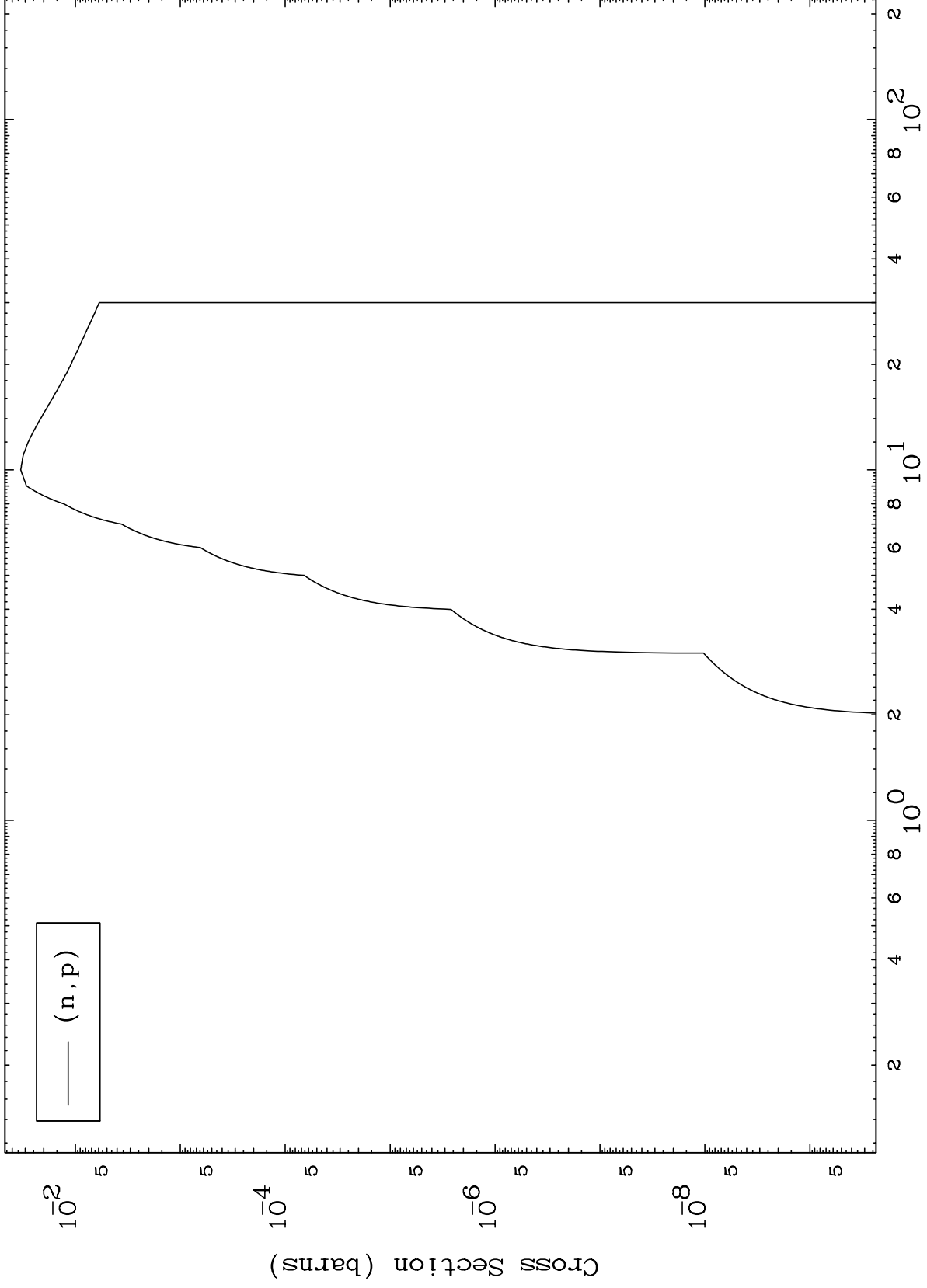




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(d,p) Levels  
0 Kelvin Cross Sections

<sup>72</sup>Hf-<sup>177</sup>n

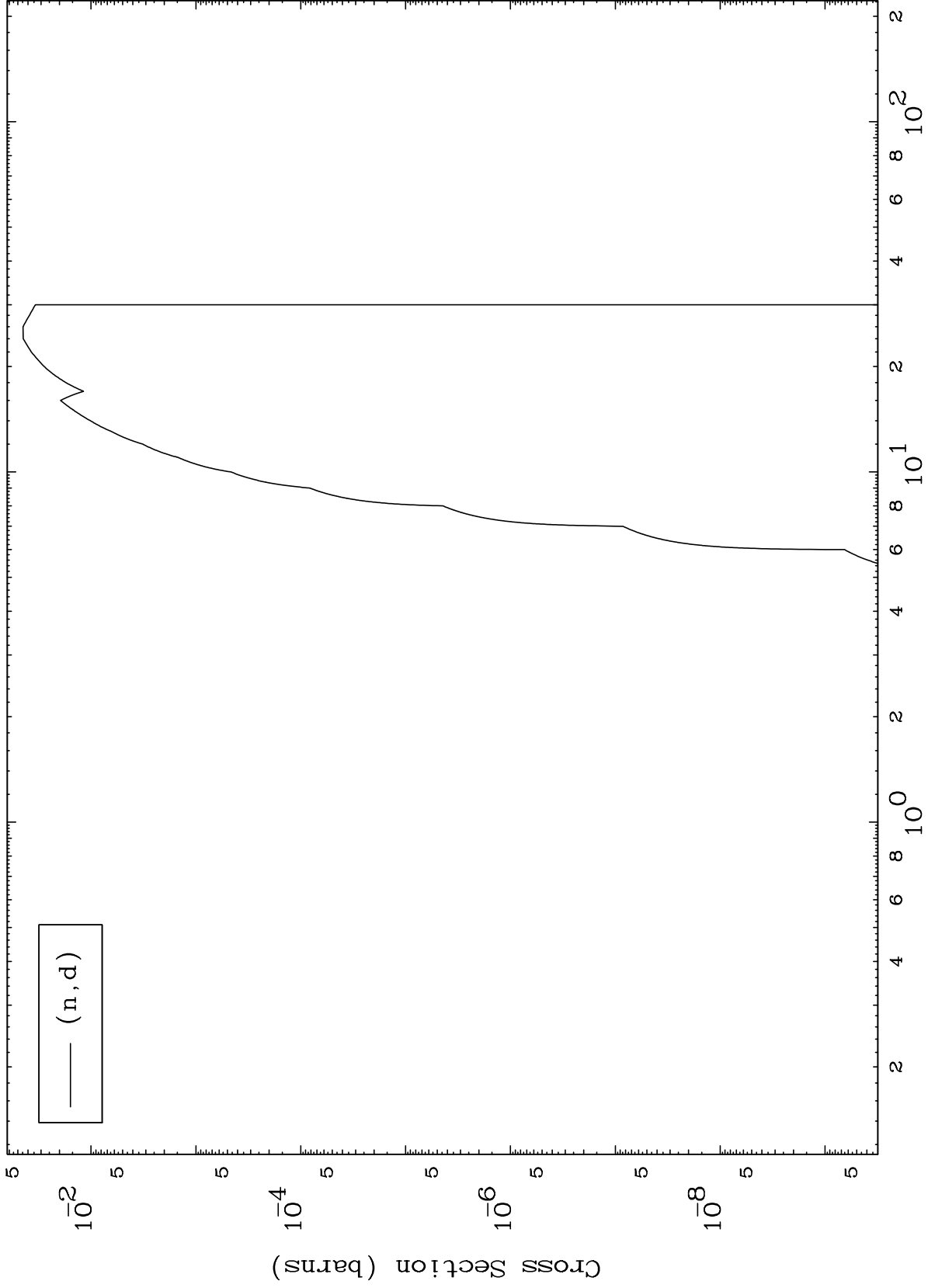


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(d,d) Levels

$^{72}\text{Hf}-177\text{n}$

0 Kelvin Cross Sections

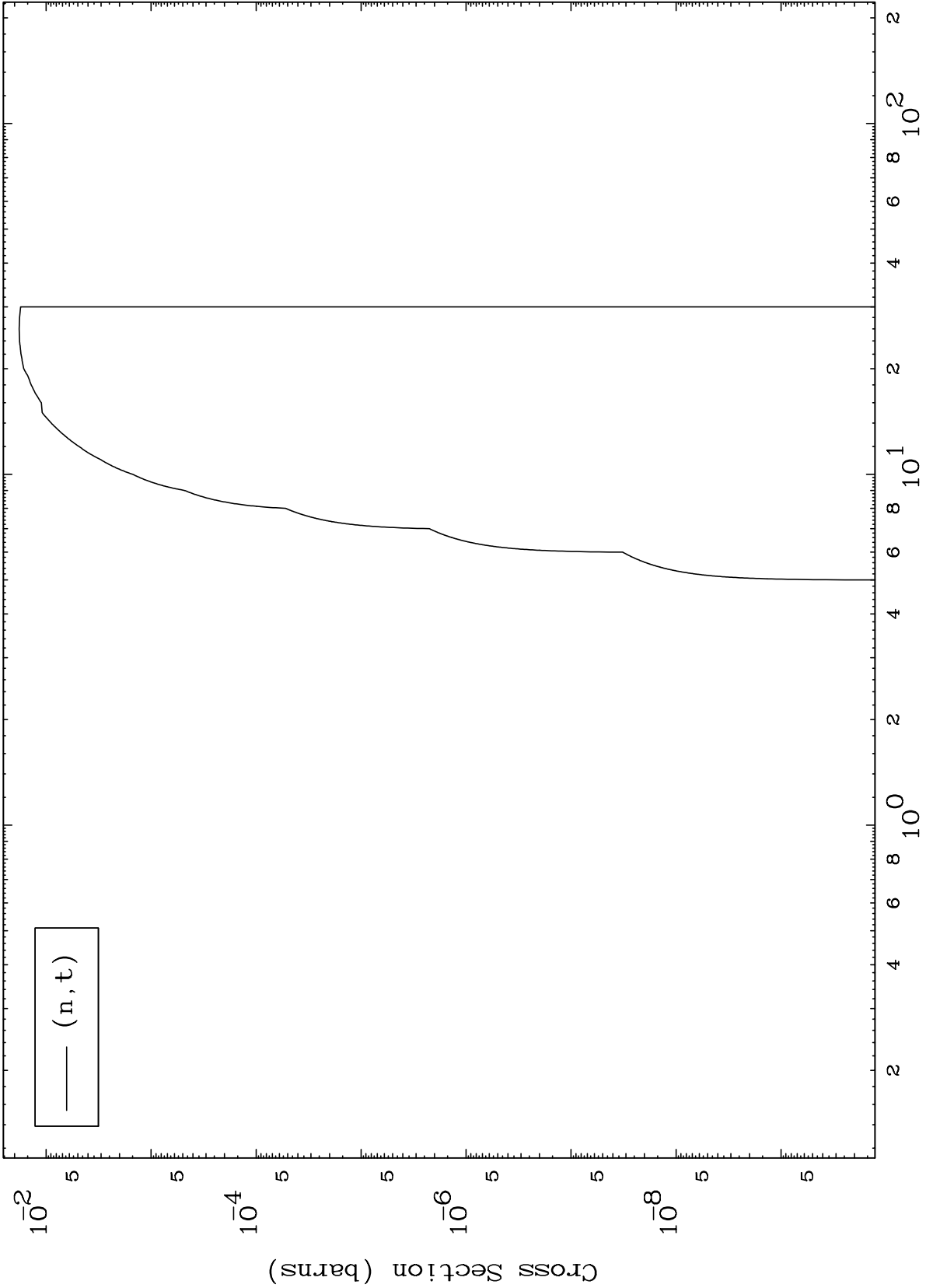


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(d, t) Levels

$^{72}\text{Hf}-177\text{n}$

0 Kelvin Cross Sections



10

Incident Energy (MeV)

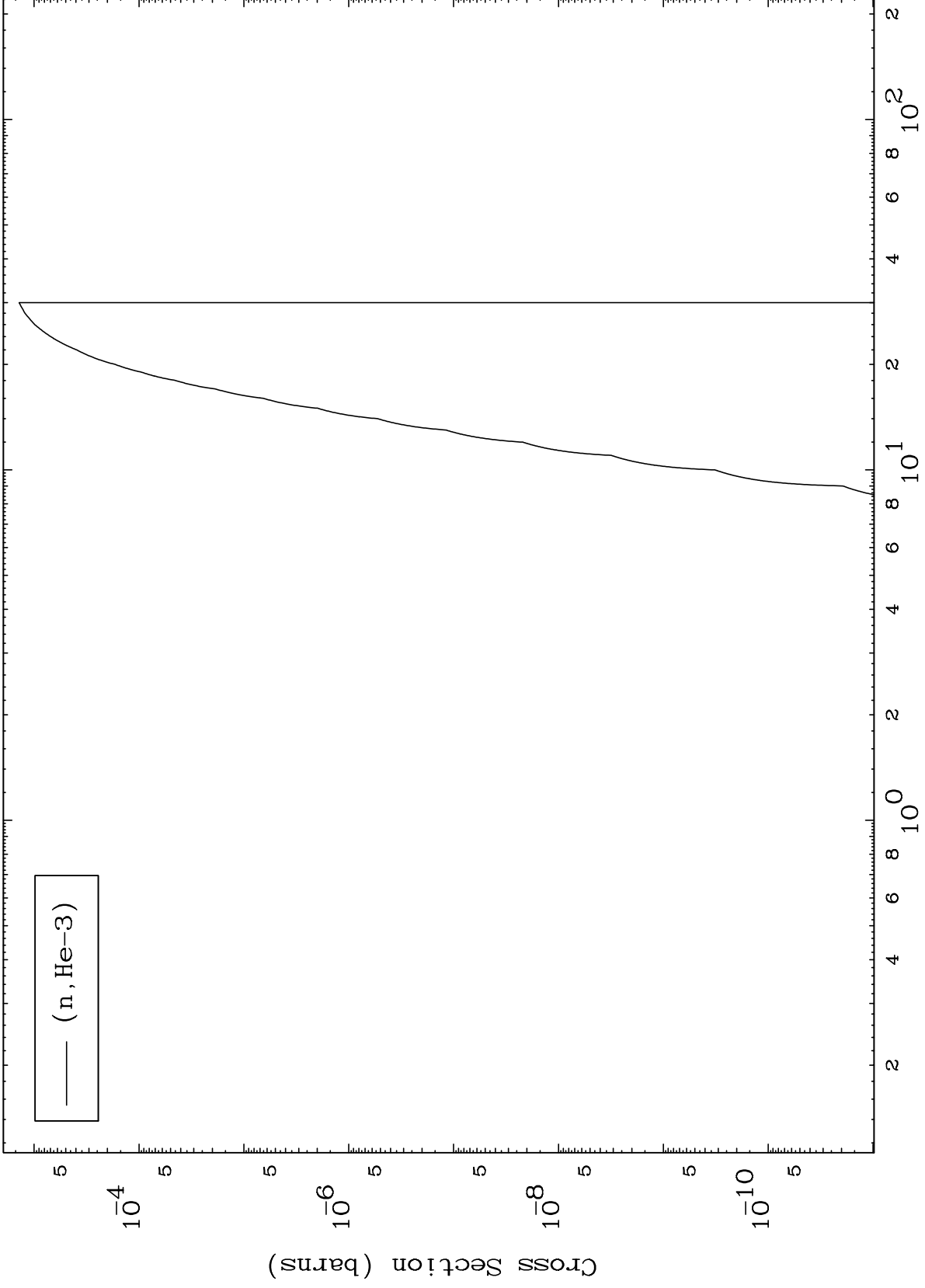
$^{72}\text{Hf}-177\text{n}$

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(d,He3) Levels

<sup>72</sup>Hf-177n

0 Kelvin Cross Sections

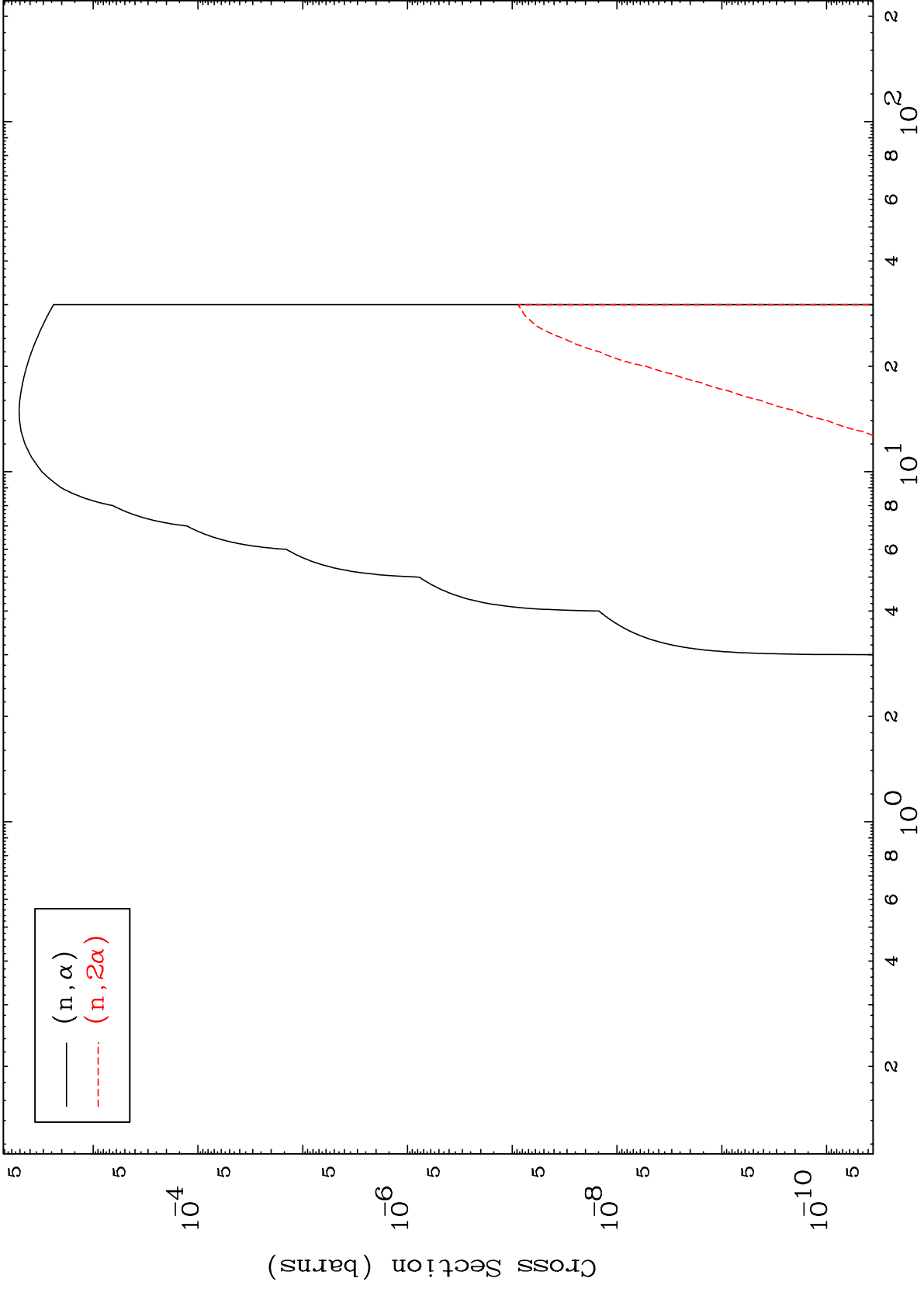


(n, He-3)

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

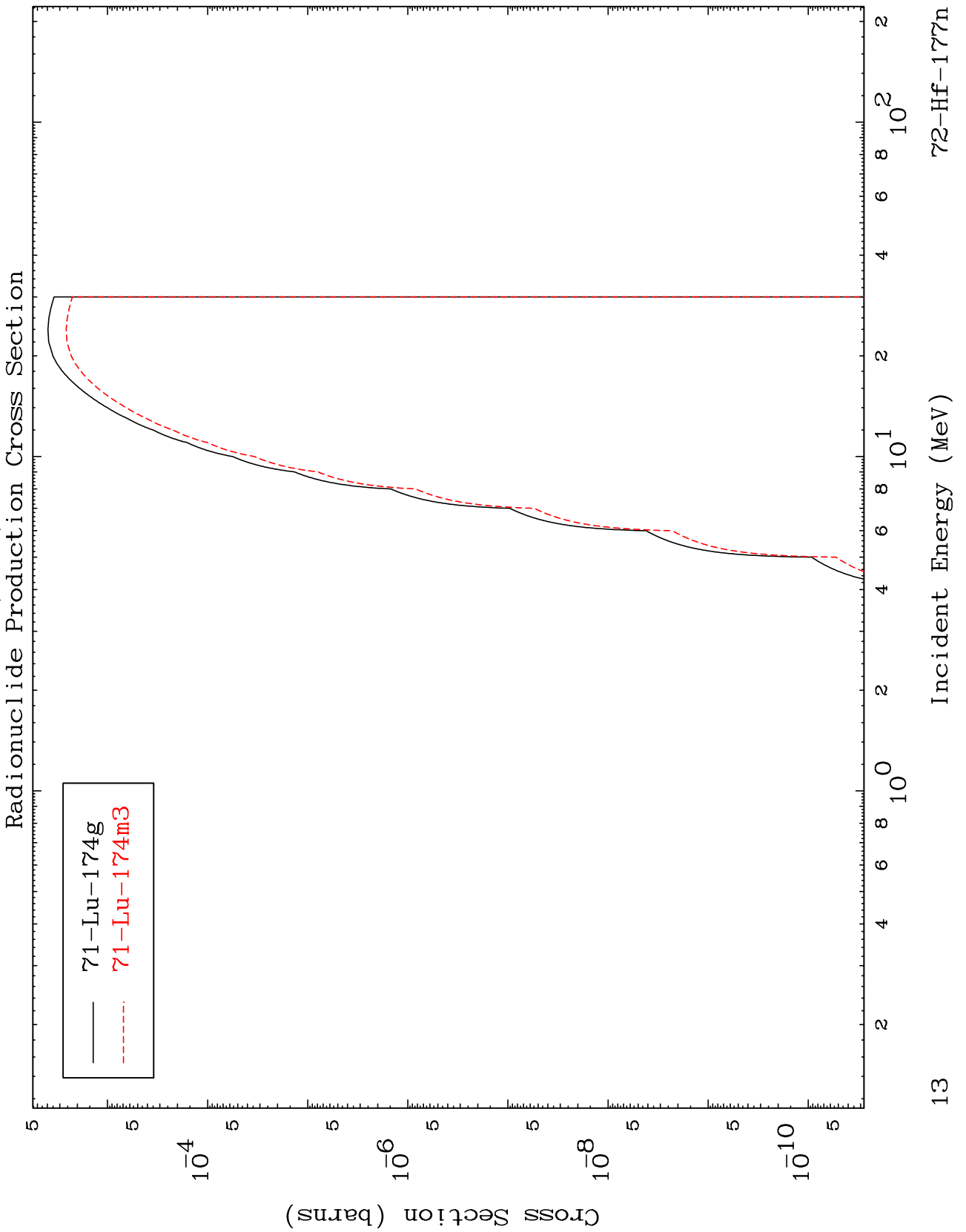
$^{72}\text{Hf}-177\text{n}$



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$(n, n') \alpha$

$^{72}\text{Hf}-^{177}\text{n}$

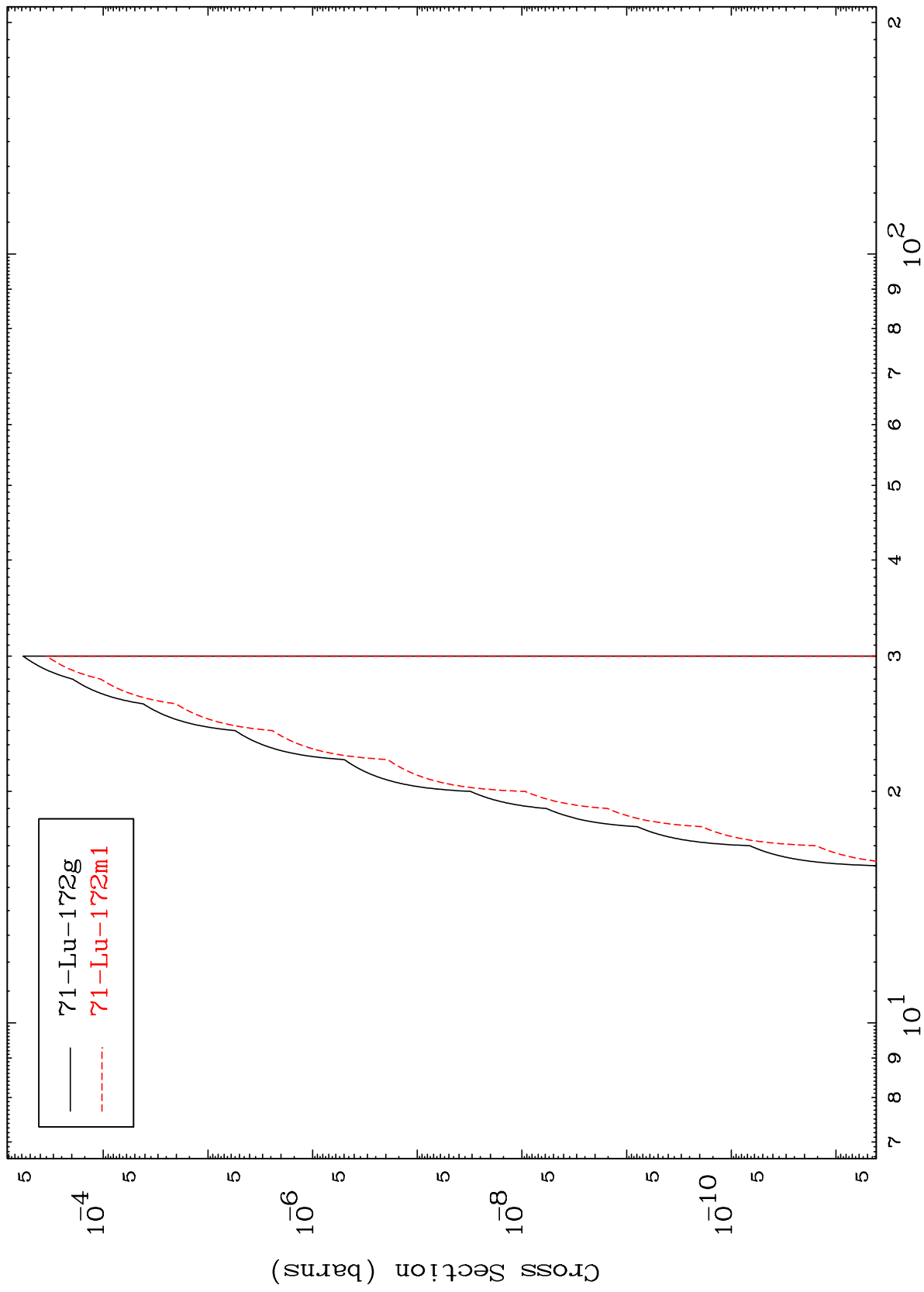


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<sup>72</sup>Hf-177n

(n,3n) α

Radionuclide Production Cross Section



<sup>72</sup>Hf-177n

Incident Energy (MeV)

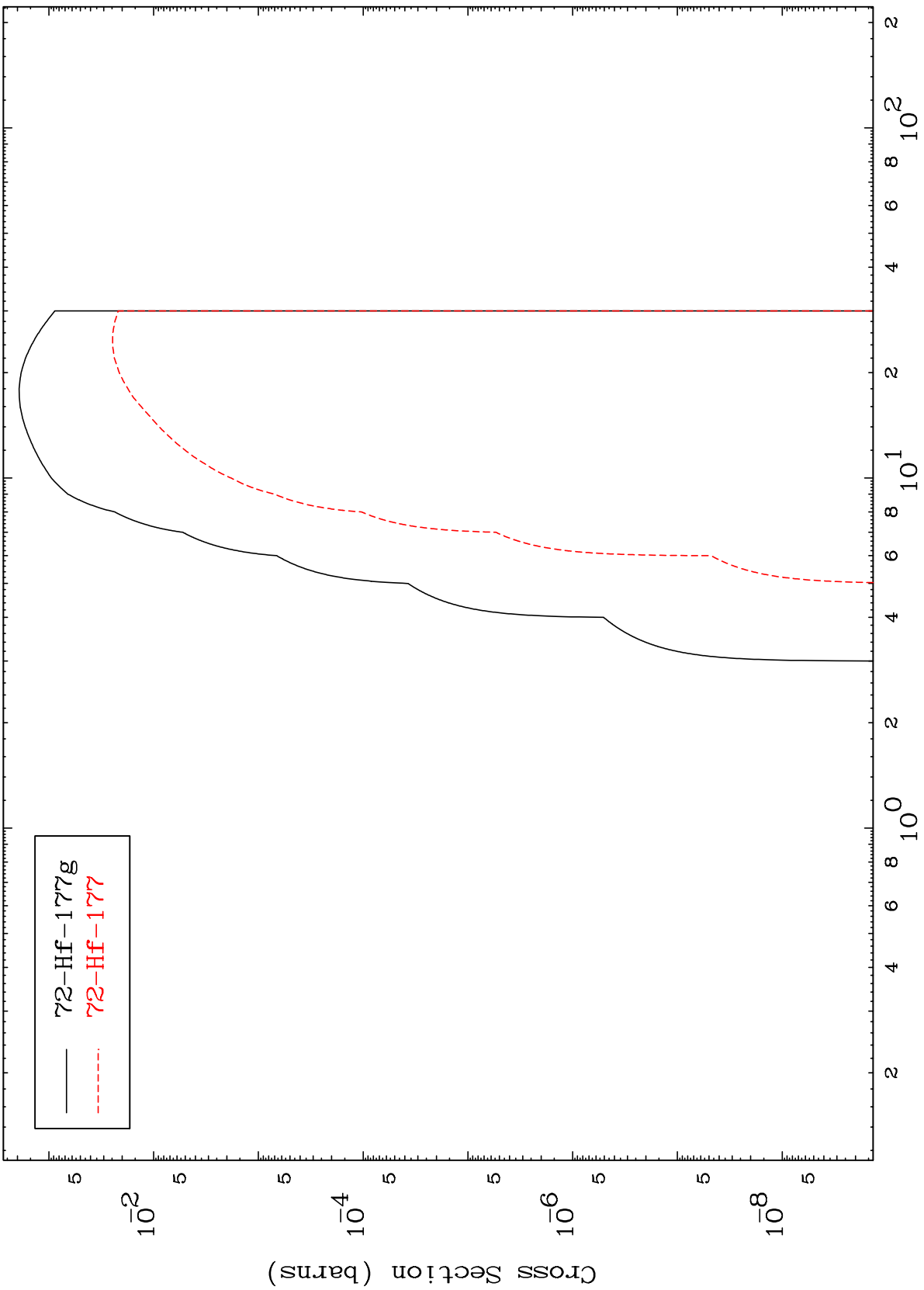
14

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(n,n') p

<sup>72</sup>Hf-<sup>177</sup>n

Radionuclide Production Cross Section

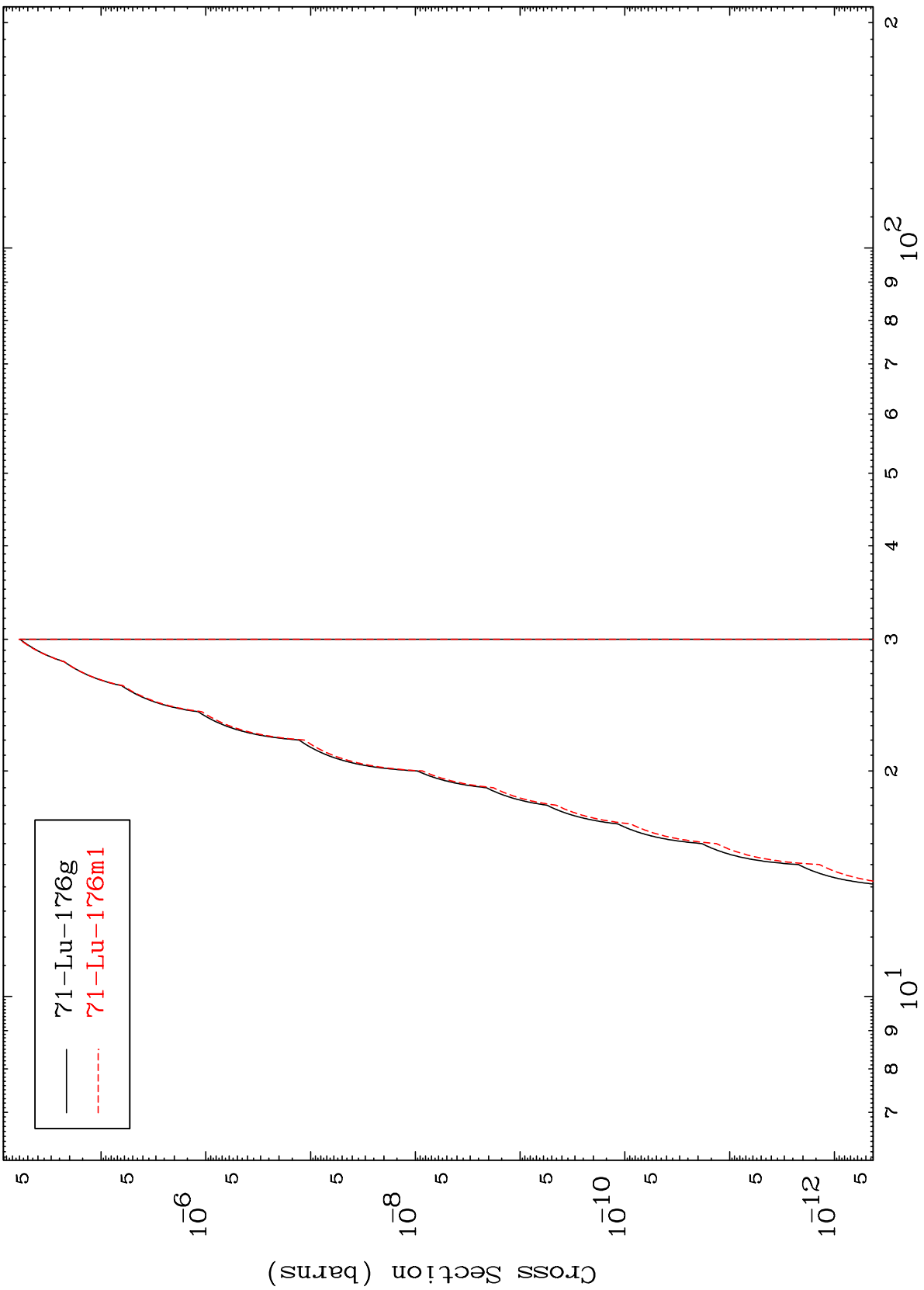


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(n,2n) p

<sup>72</sup>Hf-<sup>177</sup>n

Radionuclide Production Cross Section



— 71-Lu-176g  
- - - 71-Lu-176m1

Incident Energy (MeV)

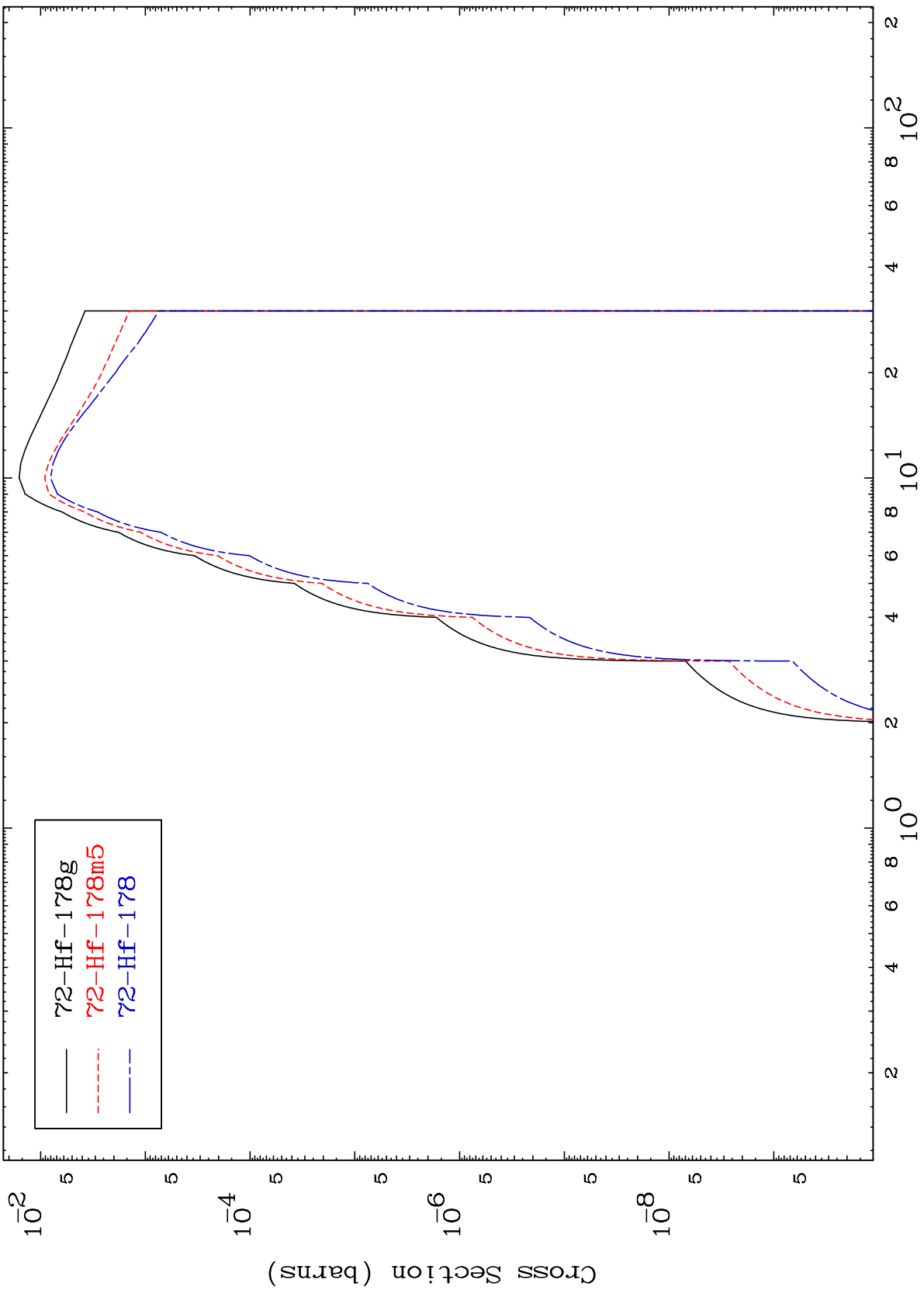
<sup>72</sup>Hf-<sup>177</sup>n

16

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$^{72}\text{Hf}-177\text{n}$

(n,p)  
Radionuclide Production Cross Section



$^{72}\text{Hf}-177\text{n}$

Incident Energy (MeV)

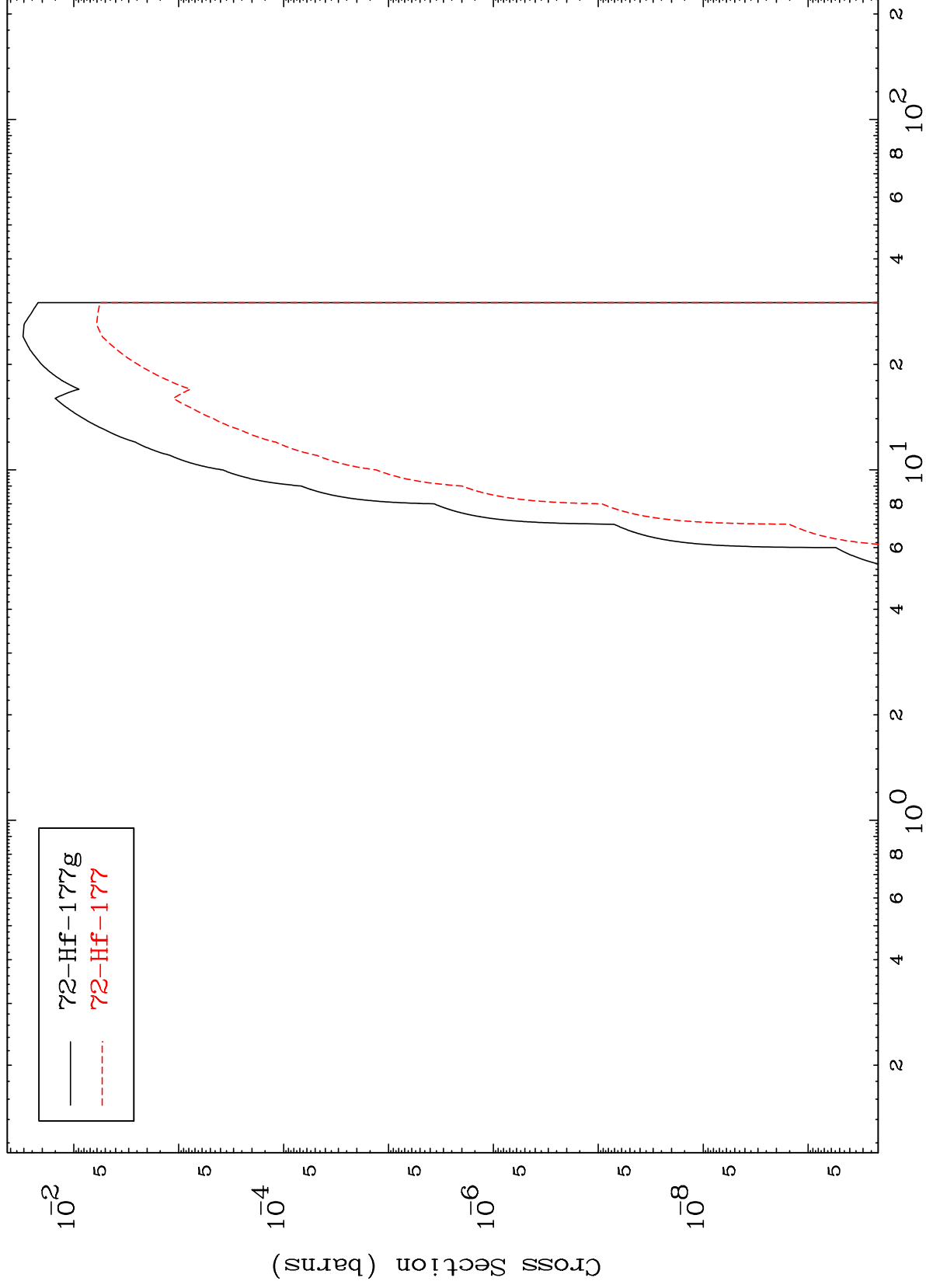
17

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(n, d)

<sup>72</sup>Hf-<sup>177</sup>n

Radionuclide Production Cross Section



18

Incident Energy (MeV)

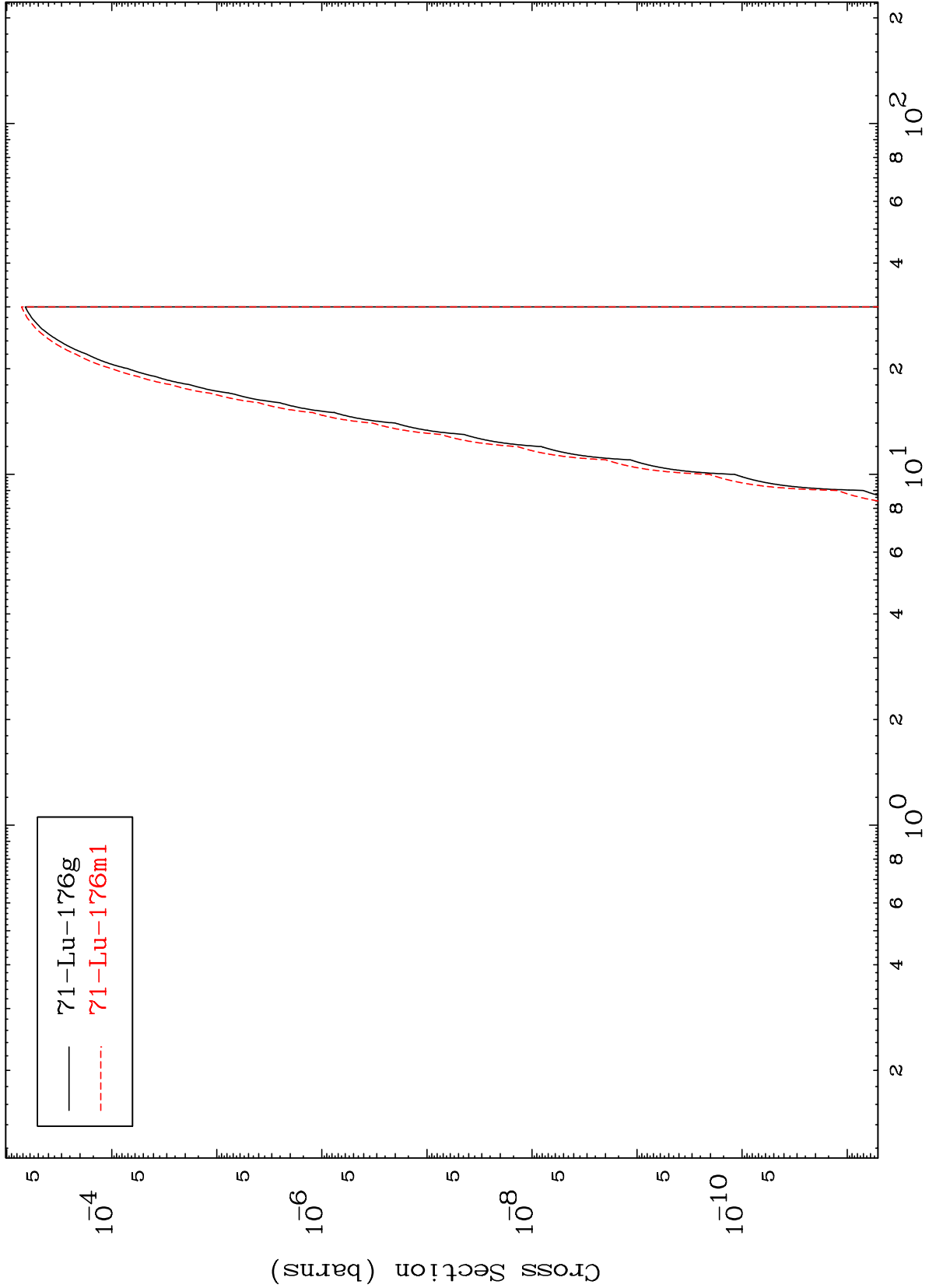
<sup>72</sup>Hf-<sup>177</sup>n

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(n,He-3)

<sup>72</sup>Hf-177n

Radionuclide Production Cross Section



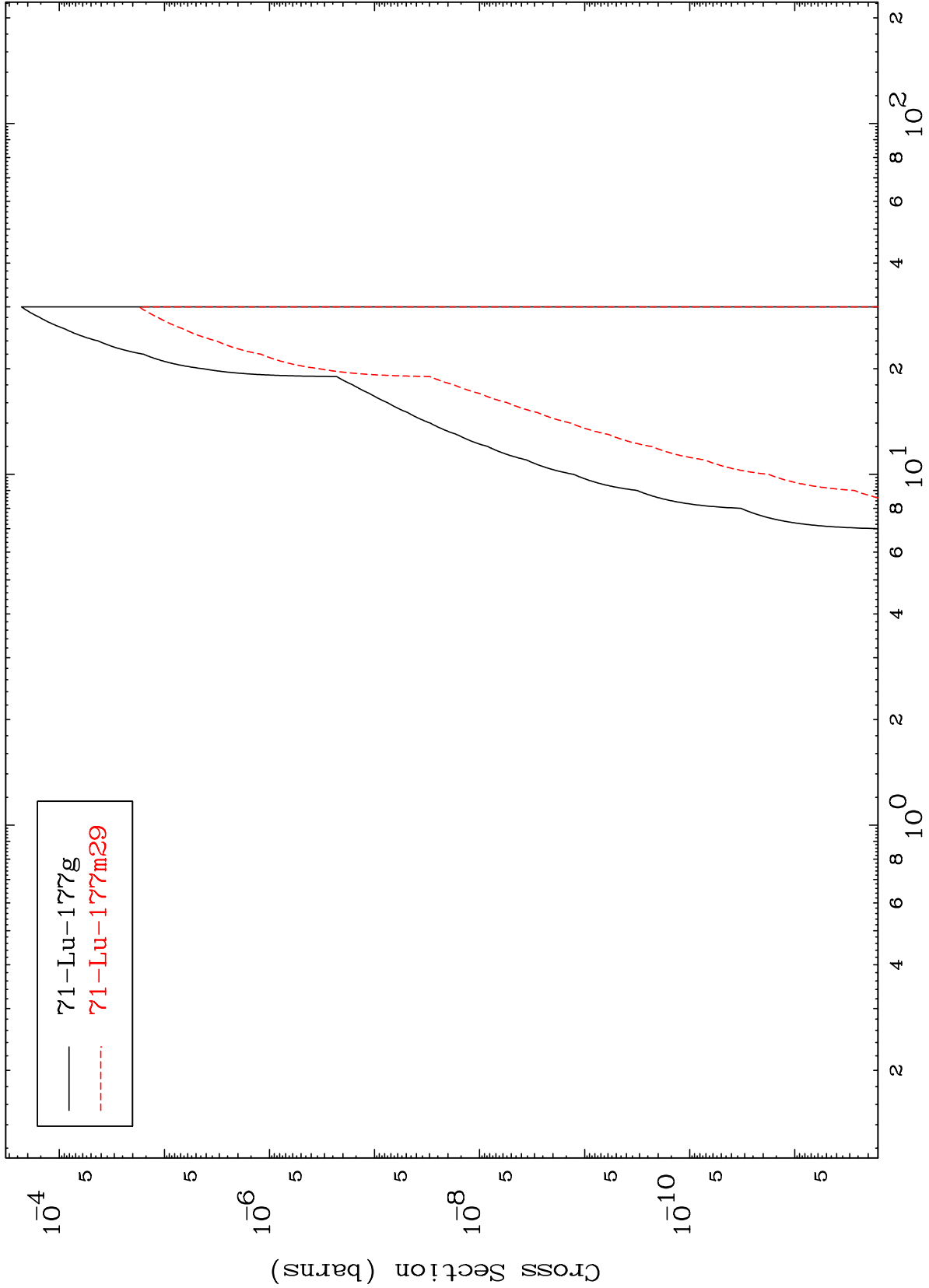
— <sup>71</sup>Lu-176g  
- - - <sup>71</sup>Lu-176m1

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(n,2p)

<sup>72</sup>Hf-177n

Radionuclide Production Cross Section



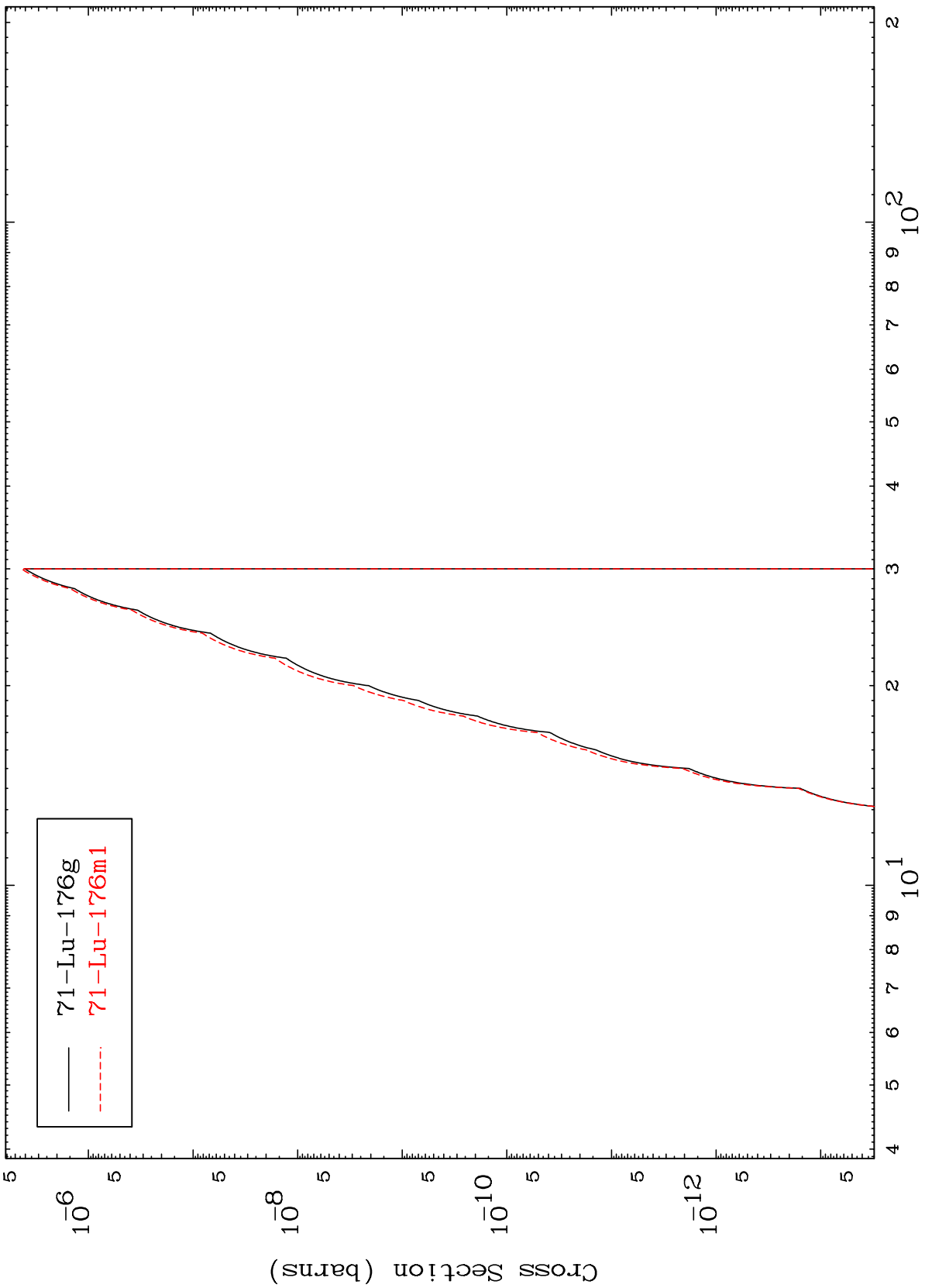
— <sup>71</sup>Lu-177g  
- - - <sup>71</sup>Lu-177m29

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(n,p) d

<sup>72</sup>Hf-<sup>177</sup>n

Radionuclide Production Cross Section



71-Lu-176g  
71-Lu-176m1