

Program EVALPLOT
(Version 2021-1)

by

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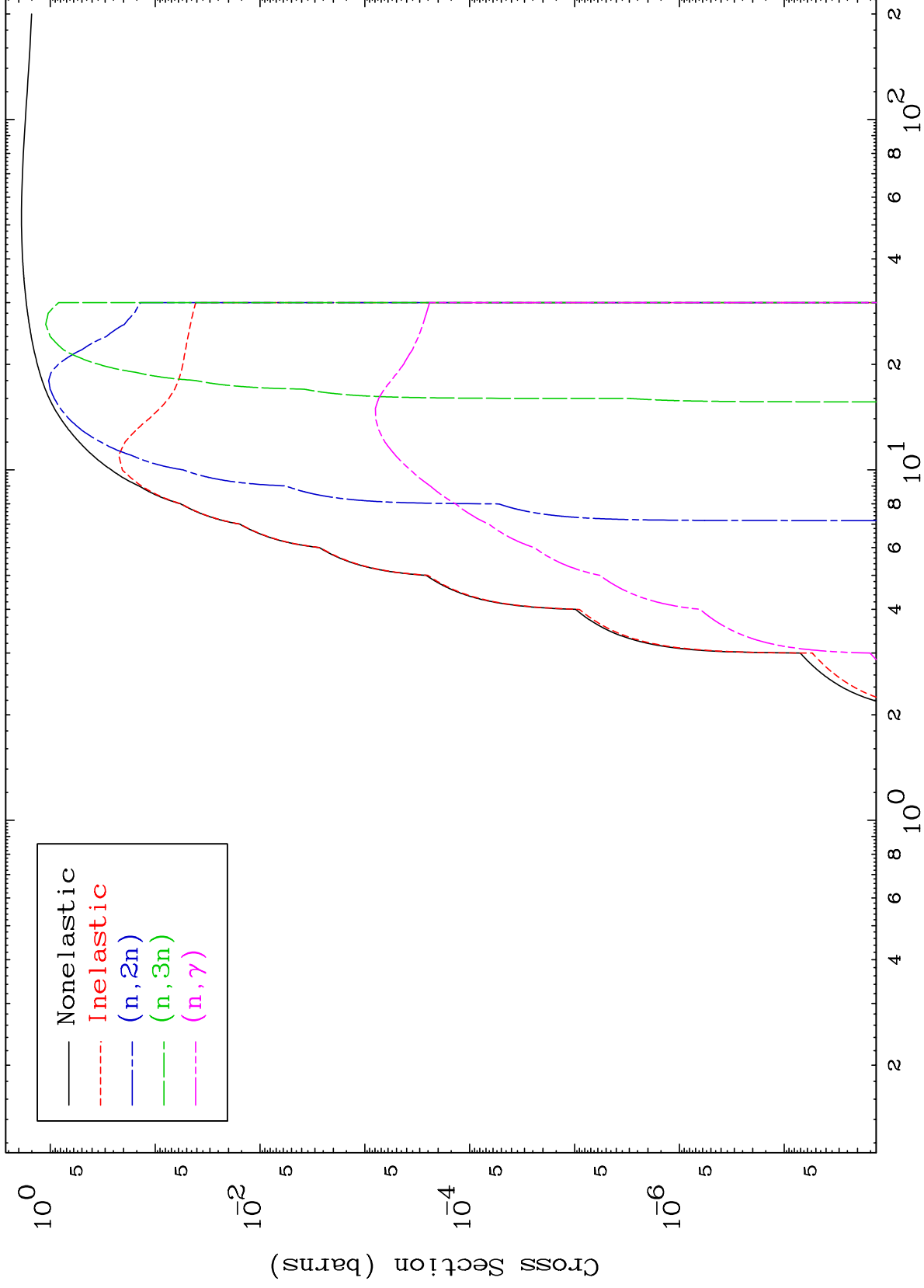
Press Mouse Button to Start

MAT 7239

Proton Major

$^{72}\text{Hf}-178\text{n}$

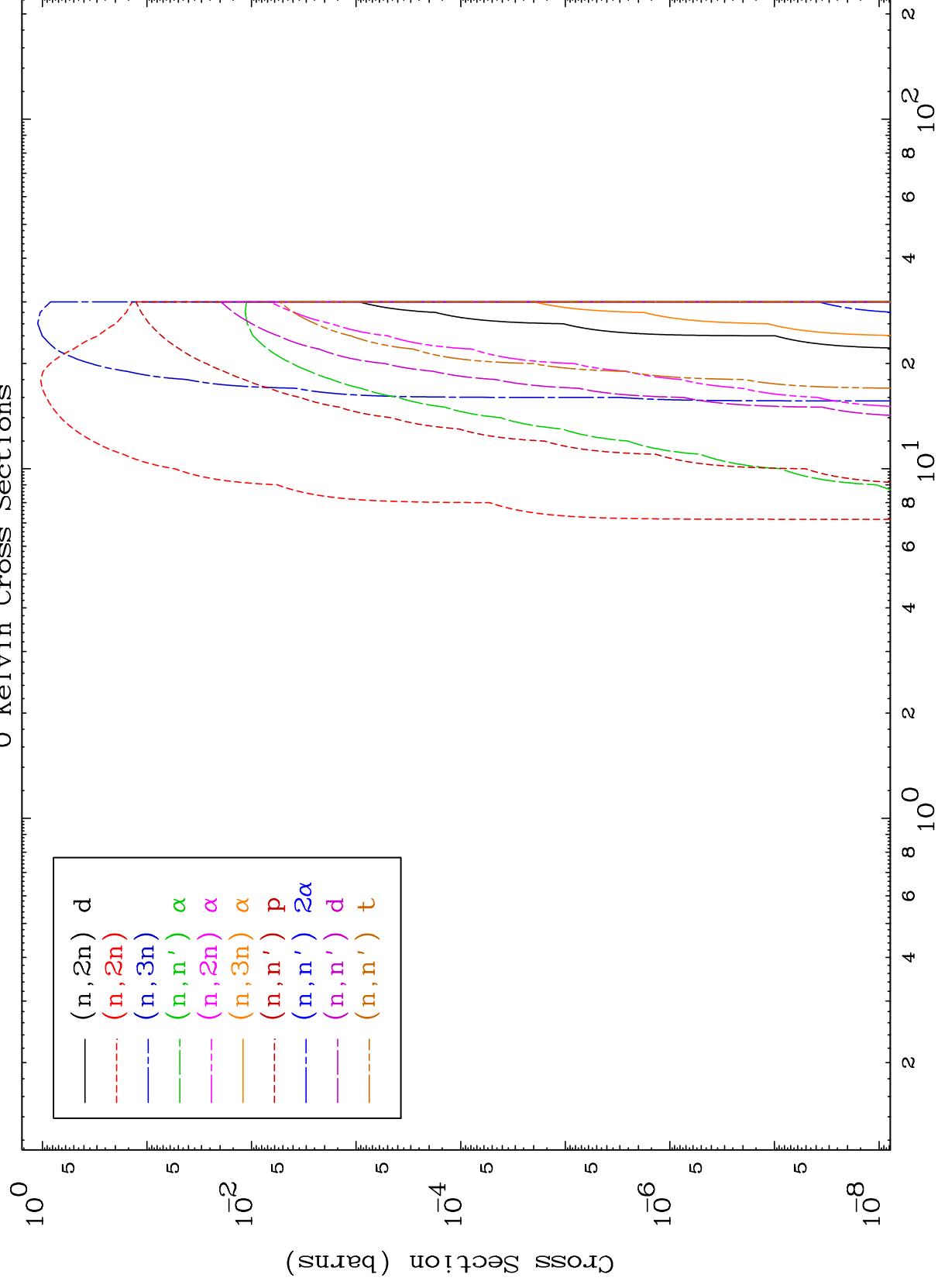
0 Kelvin Cross Sections

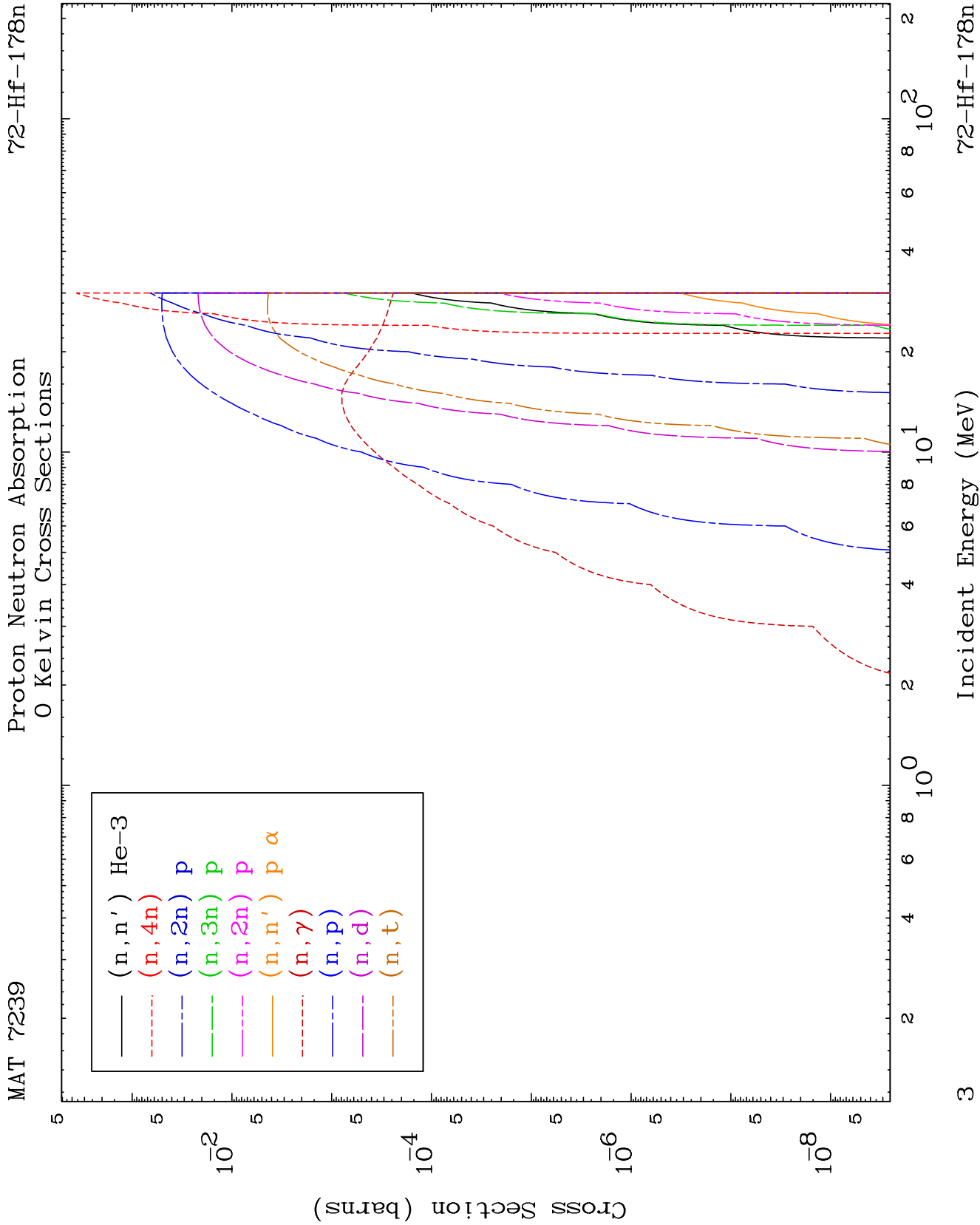


1

Incident Energy (MeV)

$^{72}\text{Hf}-178\text{n}$

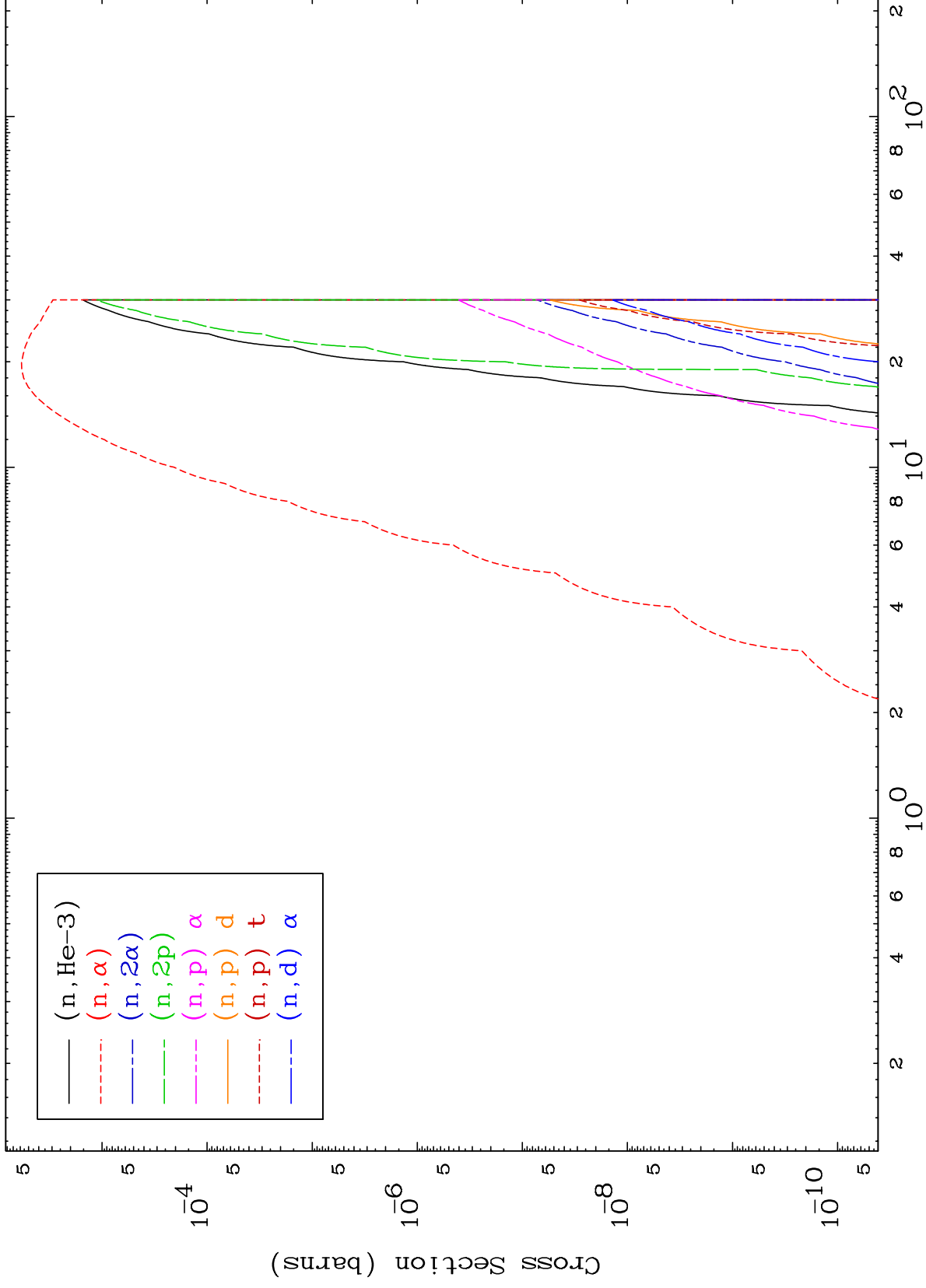


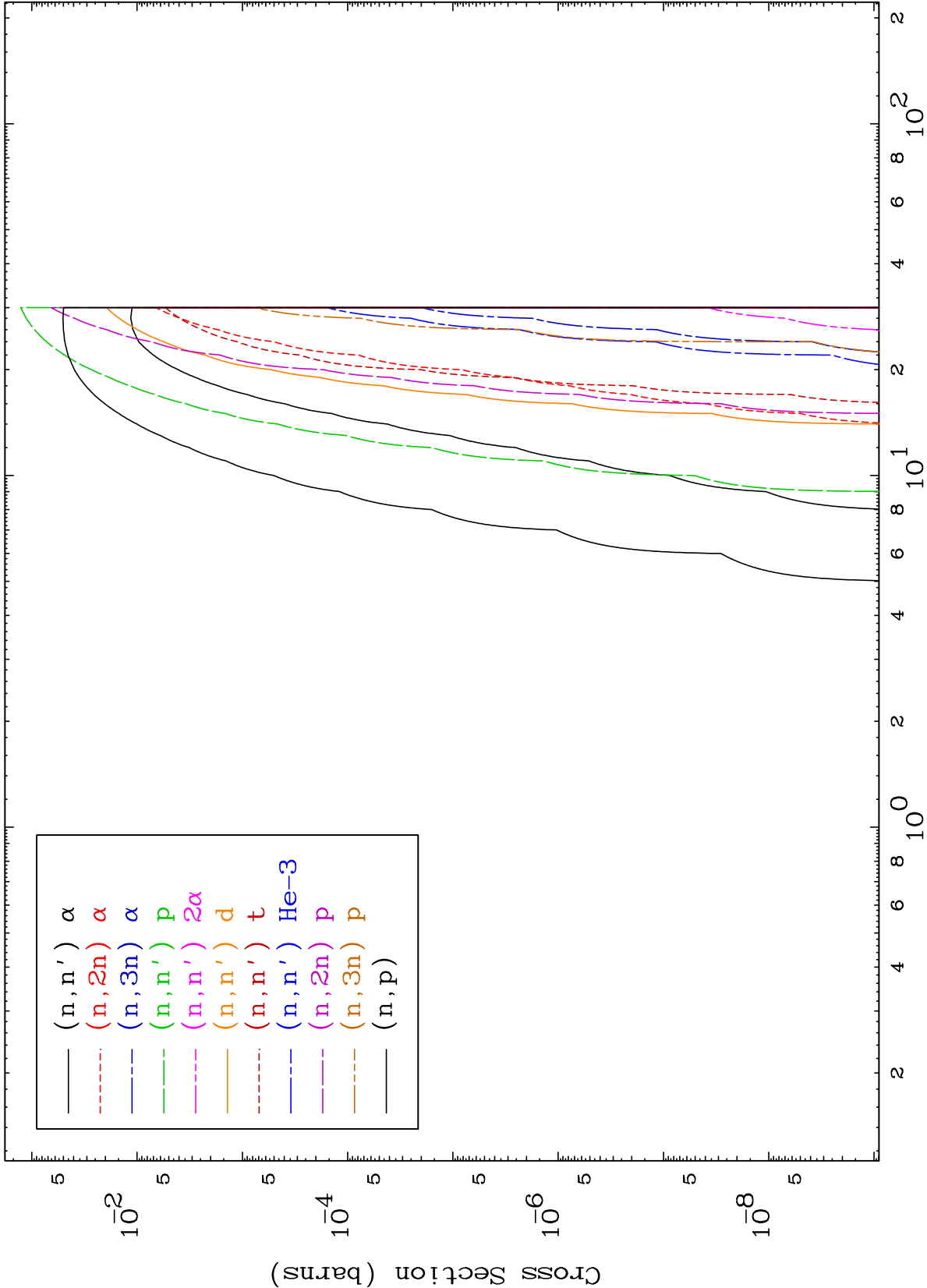


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Proton Neutron Absorption
0 Kelvin Cross Sections

⁷²Hf-178n

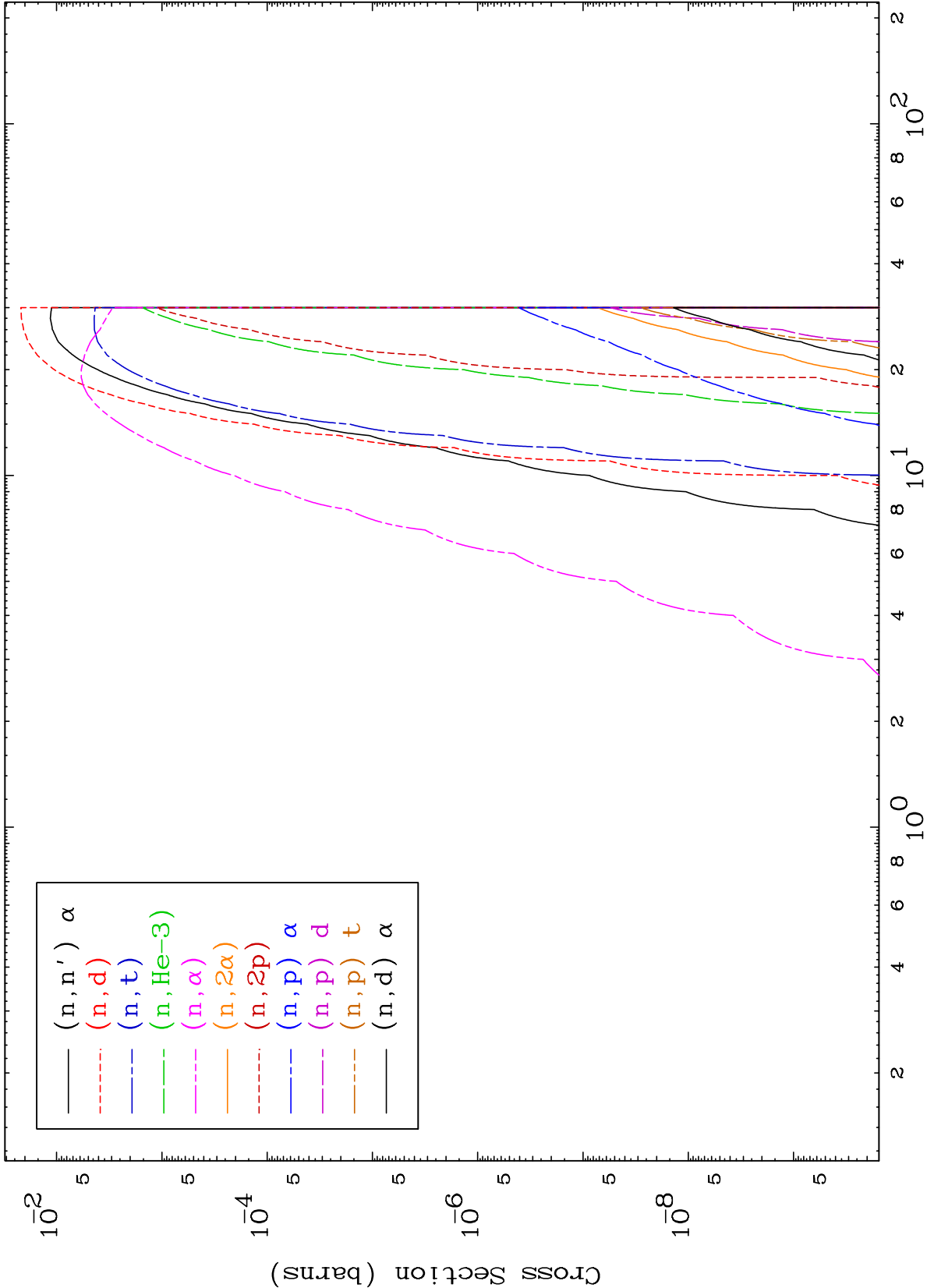




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Proton Charged Particle
0 Kelvin Cross Sections

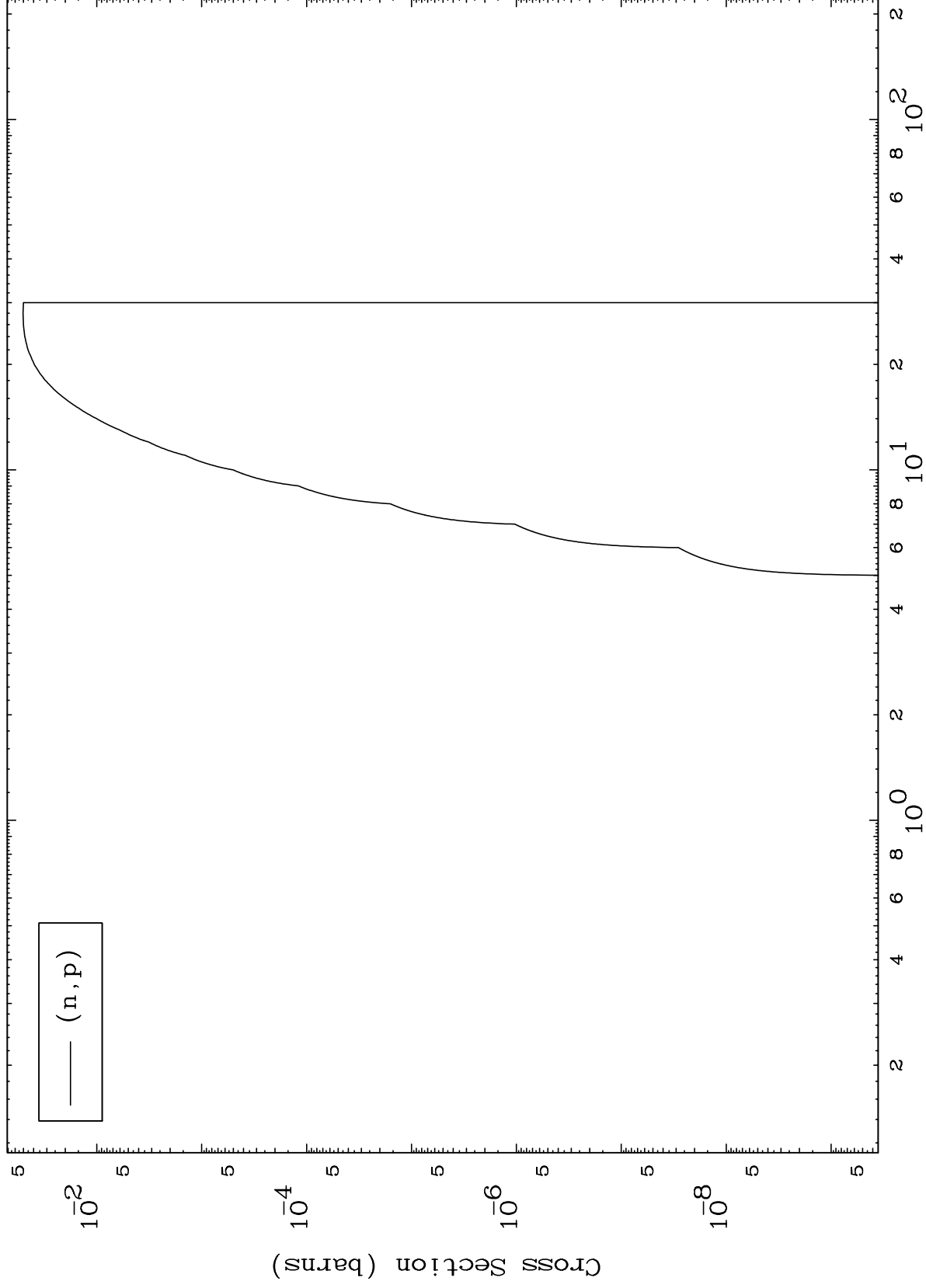
⁷²Hf-178n



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$^{72}\text{Hf}-178\text{n}$

(p,p) Levels
0 Kelvin Cross Sections



$^{72}\text{Hf}-178\text{n}$

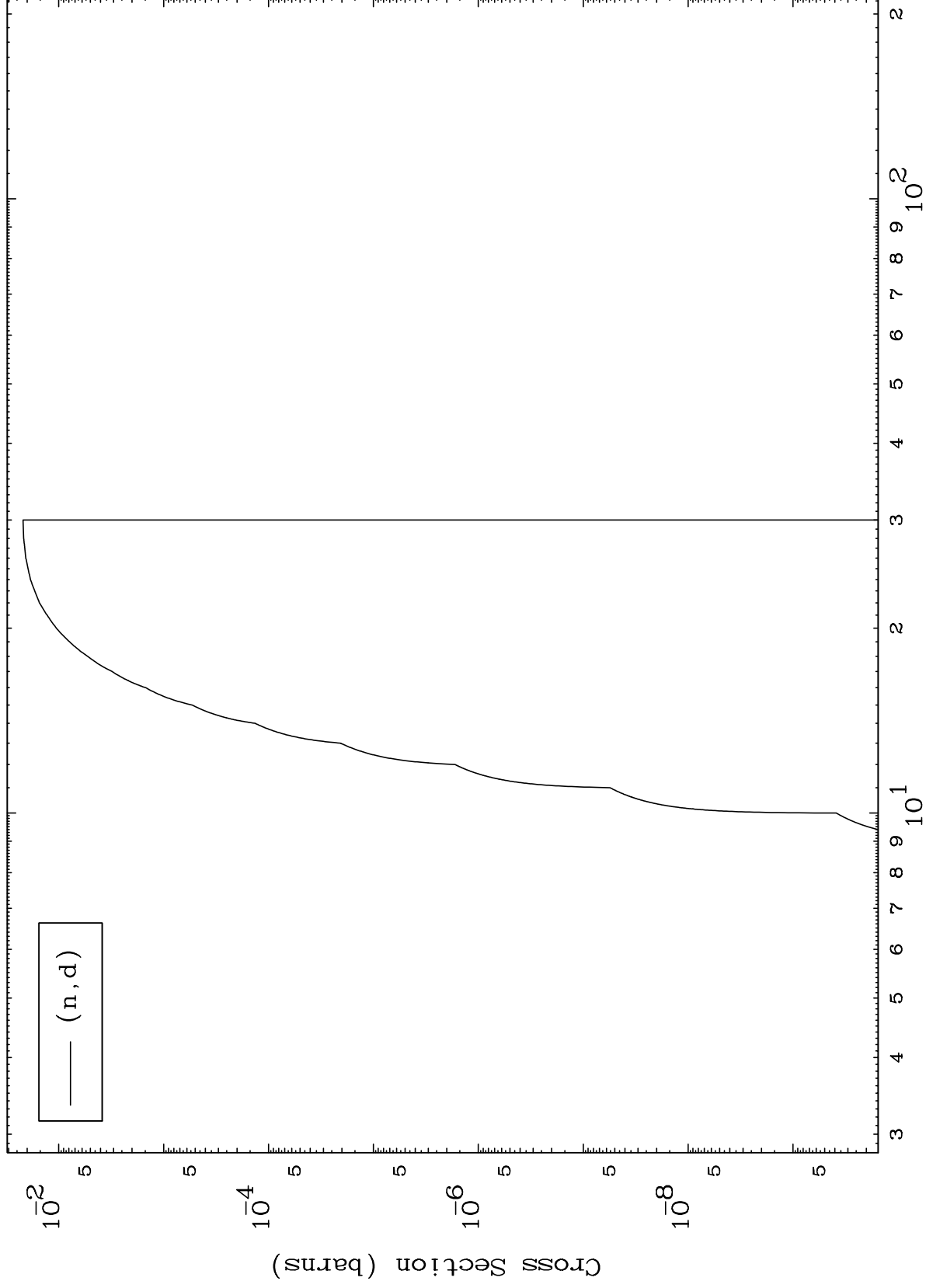
Incident Energy (MeV)

7

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$^{72}\text{Hf}-178\text{n}$

(p,d) Levels
0 Kelvin Cross Sections



8

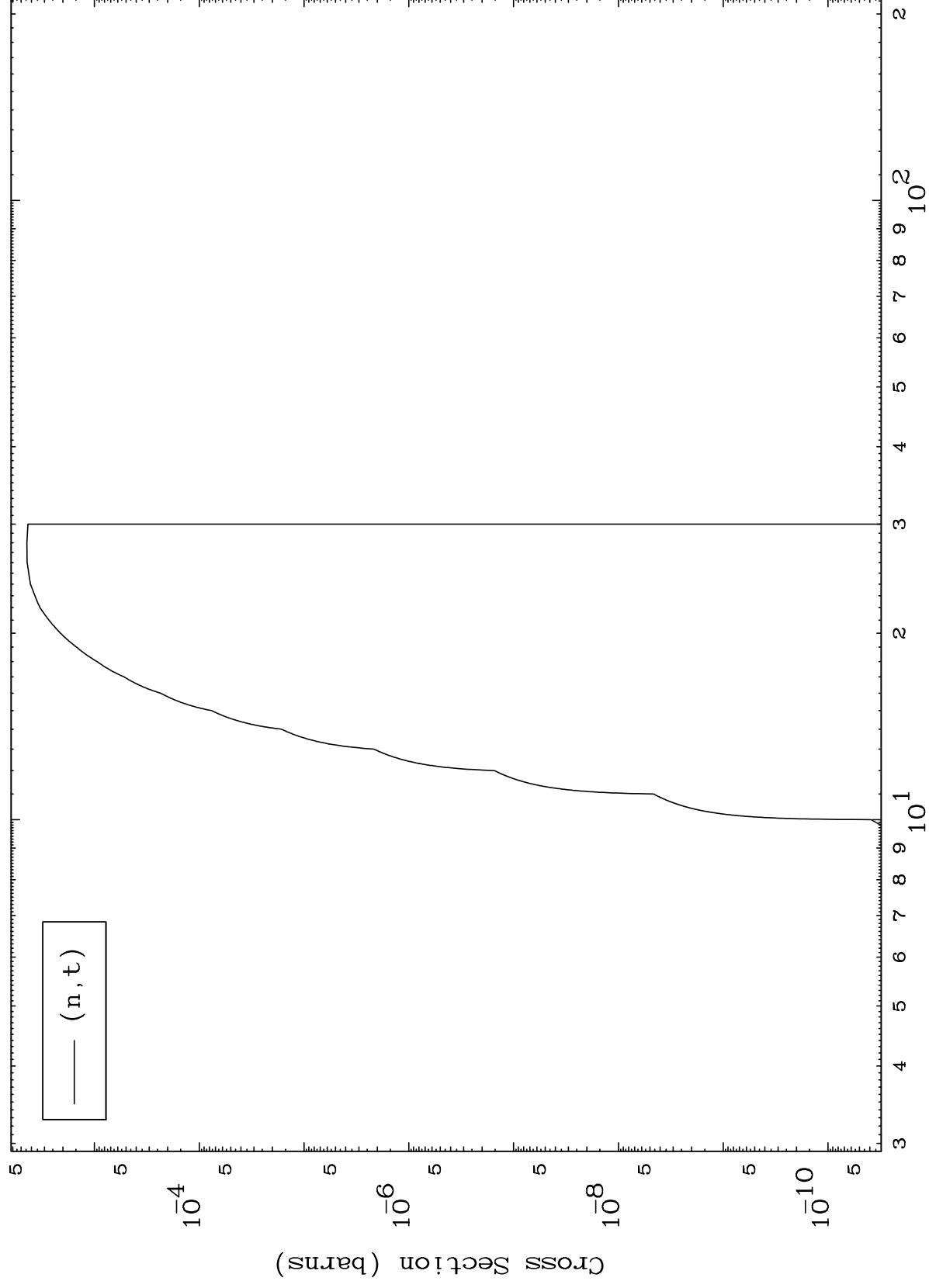
Incident Energy (MeV)

$^{72}\text{Hf}-178\text{n}$

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$^{72}\text{Hf-178n}$

(p,t) Levels
0 Kelvin Cross Sections



$^{72}\text{Hf-178n}$

Incident Energy (MeV)

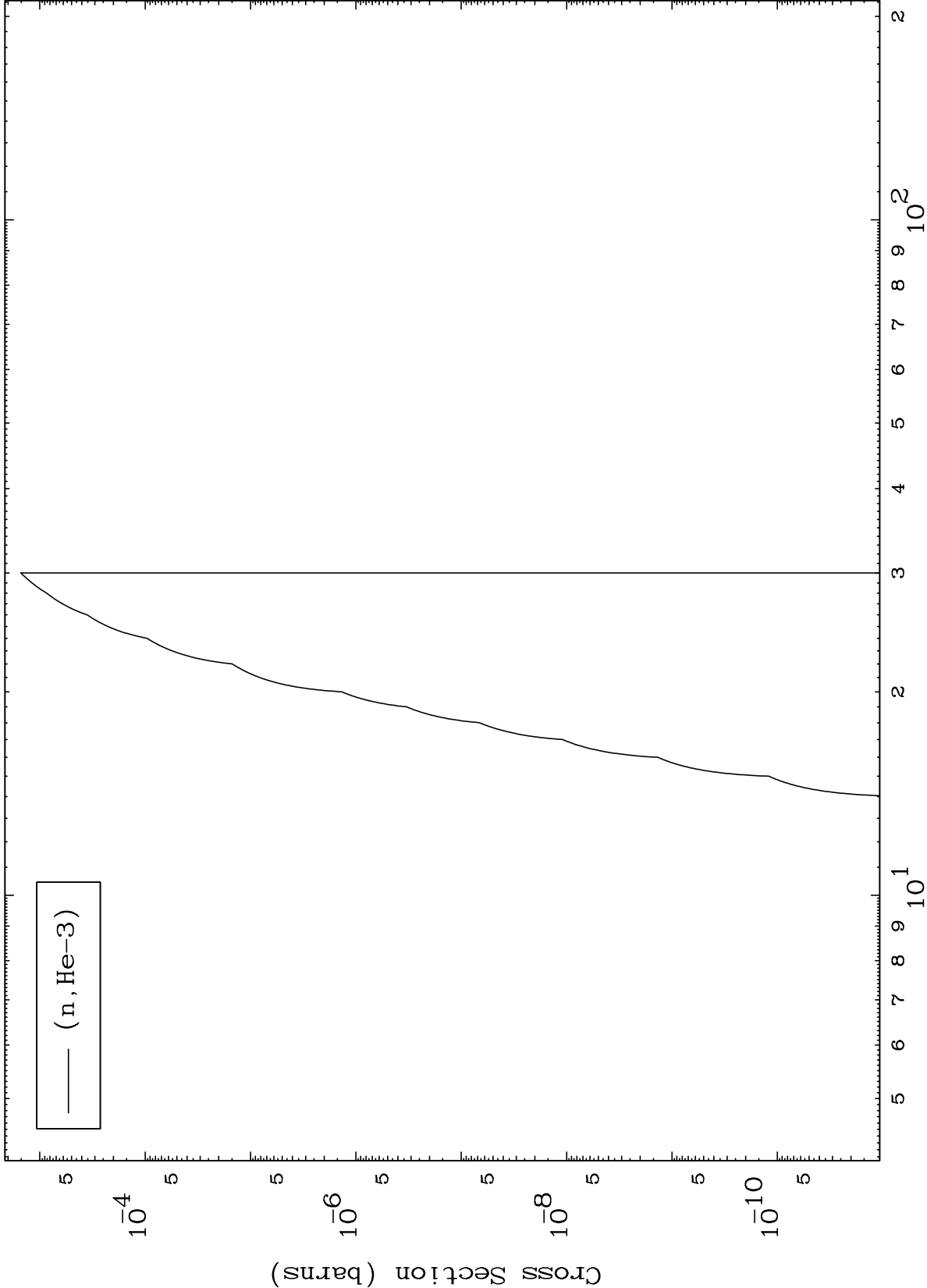
9

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(p,He3) Levels

$^{72}\text{Hf}-^{178}\text{n}$

0 Kelvin Cross Sections



10

Incident Energy (MeV)

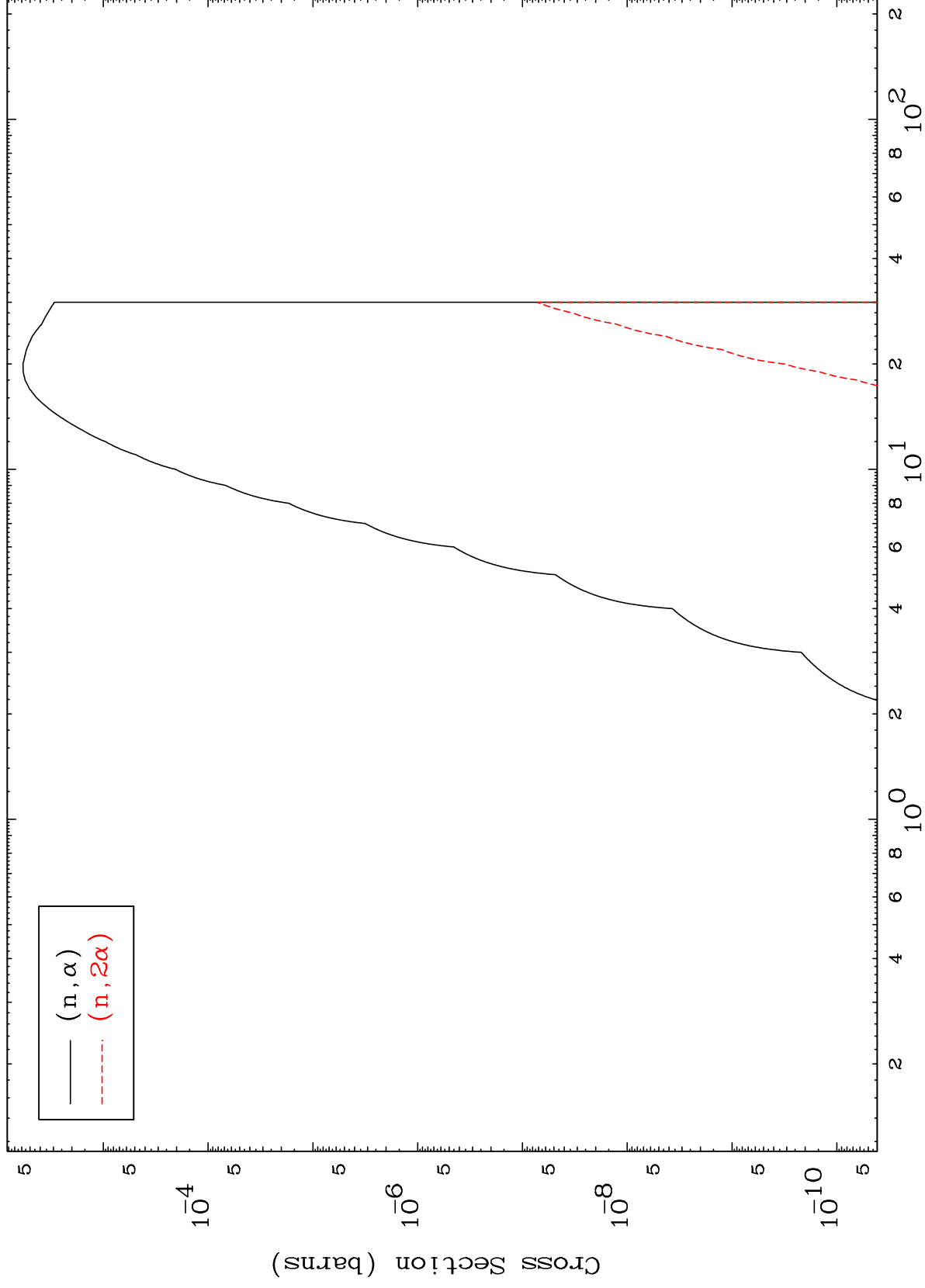
$^{72}\text{Hf}-^{178}\text{n}$

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(p, α) Levels

$^{72}\text{Hf}-^{178}\text{n}$

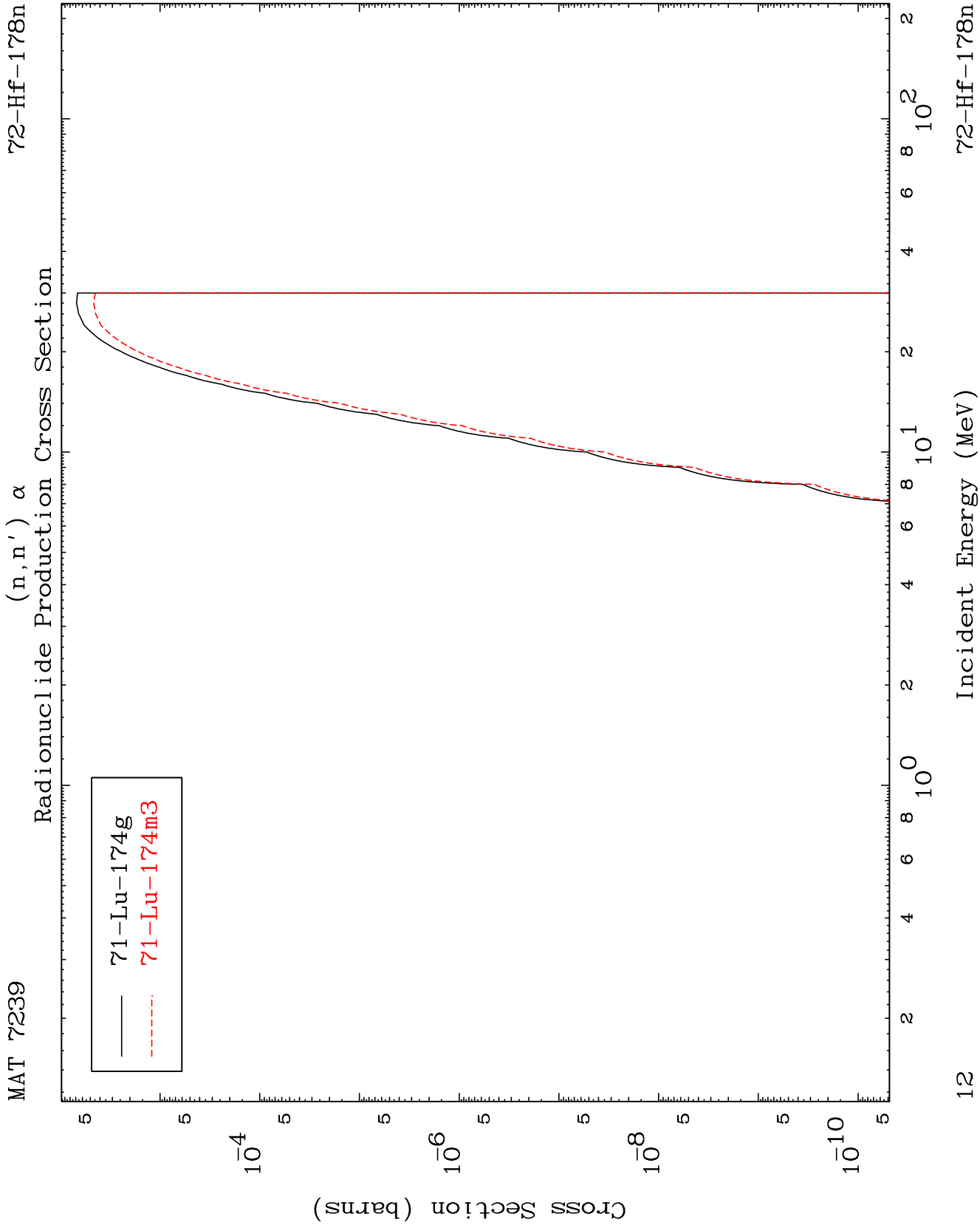
0 Kelvin Cross Sections



11

Incident Energy (MeV)

$^{72}\text{Hf}-^{178}\text{n}$

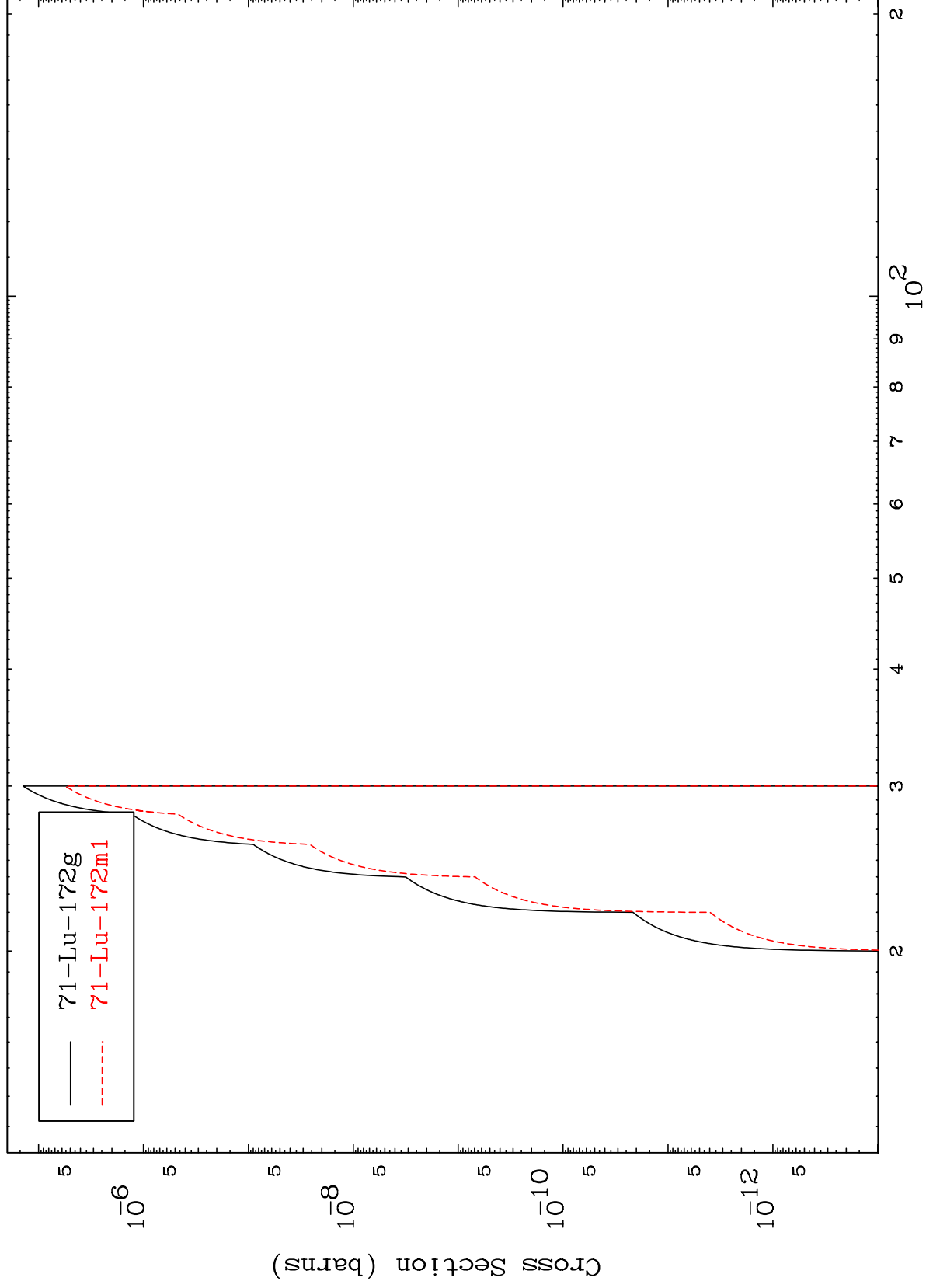


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$^{72}\text{Hf}-^{178}\text{n}$

Radionuclide Production Cross Section

$(\text{n},3\text{n}) \alpha$



13

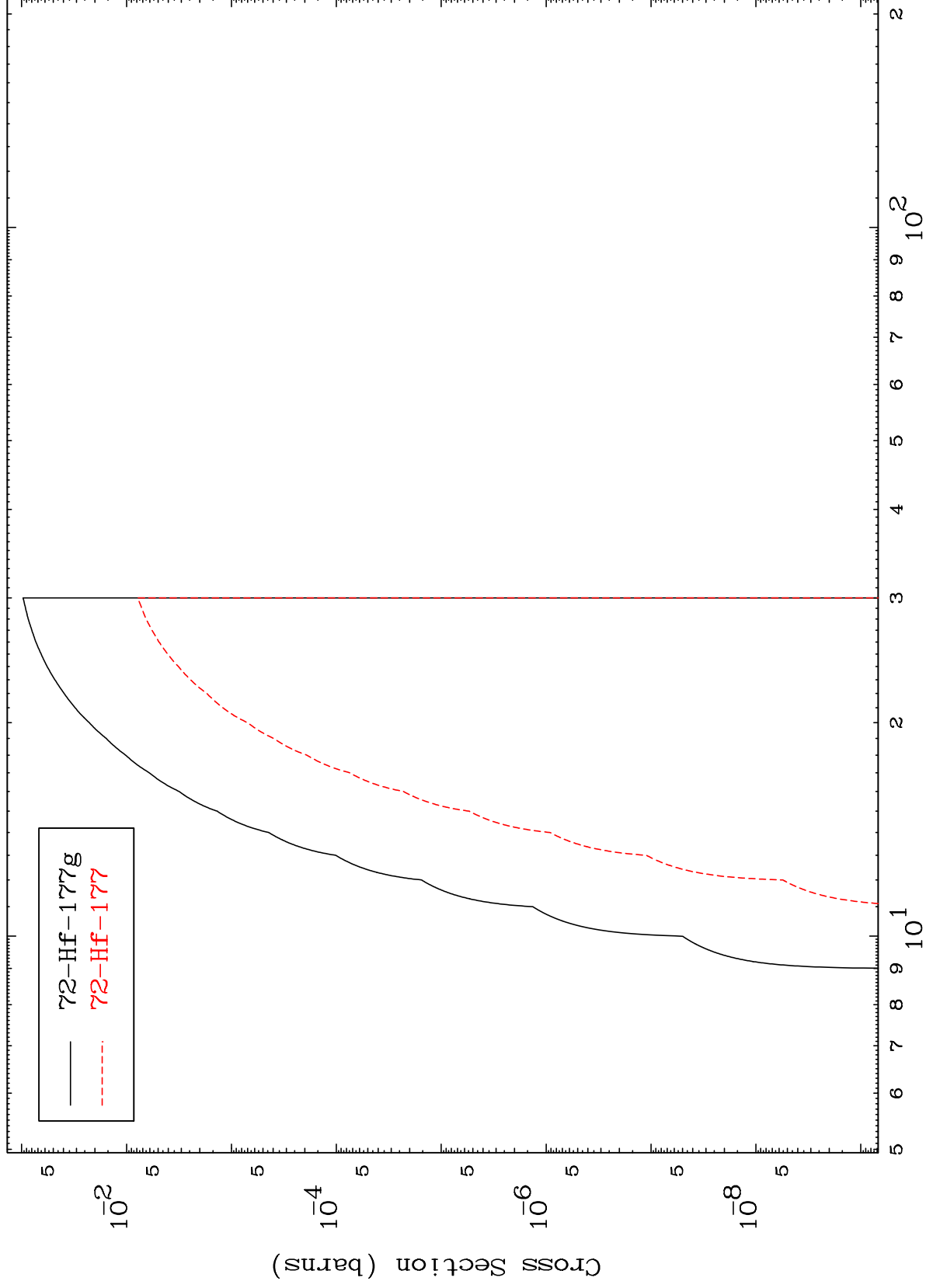
Incident Energy (MeV)

$^{72}\text{Hf}-^{178}\text{n}$

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$^{72}\text{Hf}-^{178}\text{n}$

Radionuclide Production Cross Section



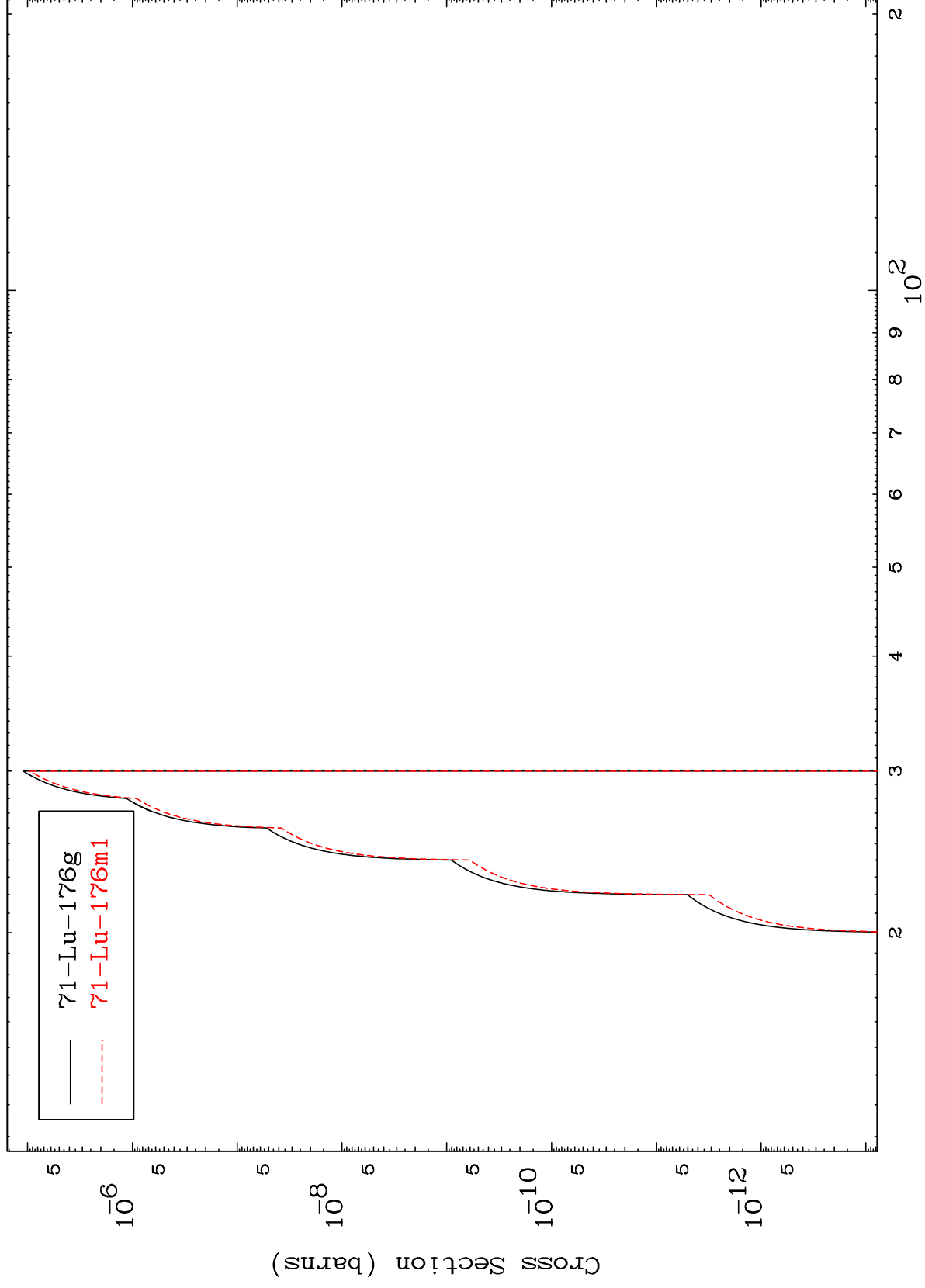
Incident Energy (MeV)

$^{72}\text{Hf}-^{178}\text{n}$

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(n,2n) p ⁷²Hf-¹⁷⁸n

Radionuclide Production Cross Section



15

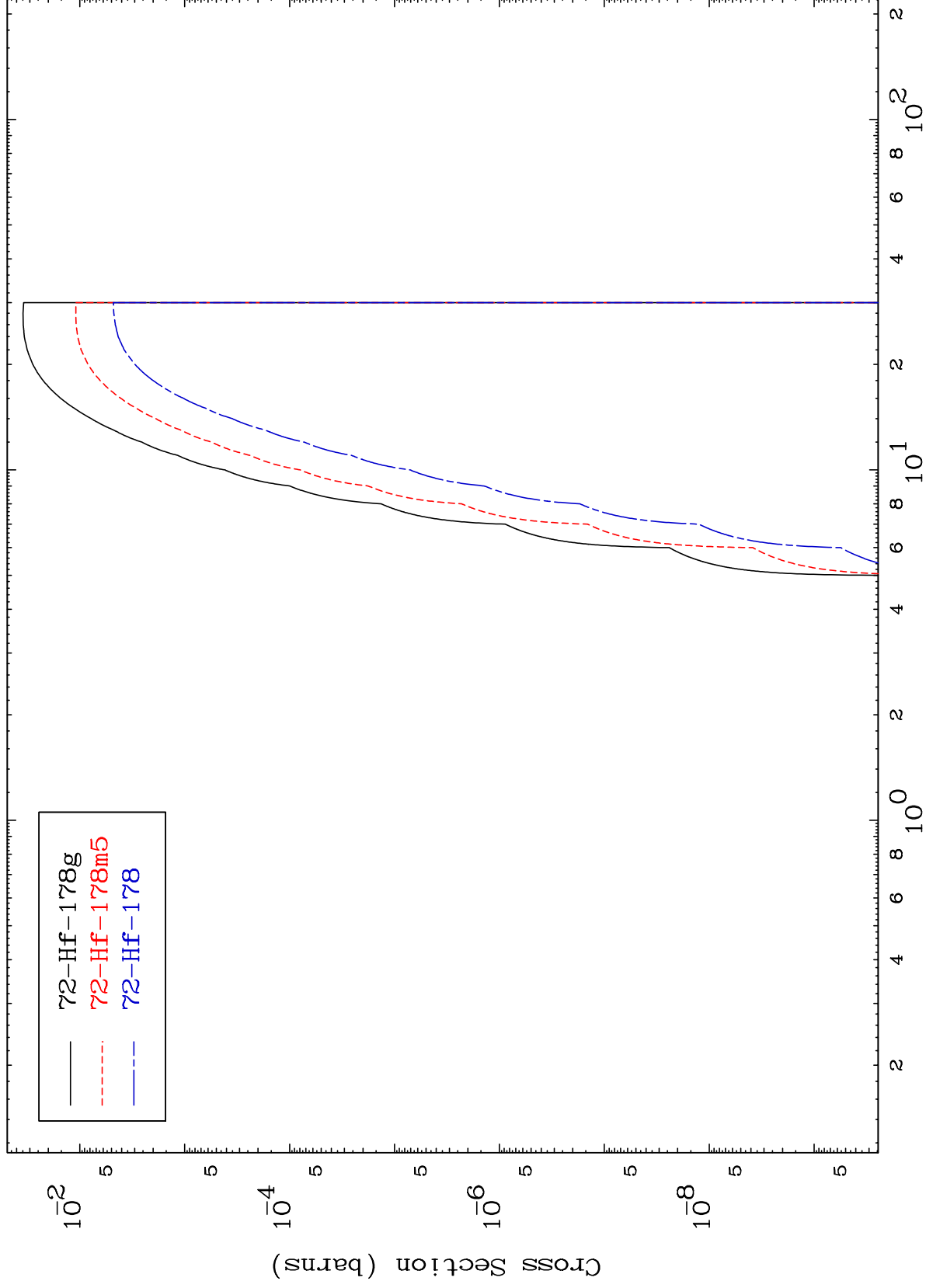
Incident Energy (MeV)

⁷²Hf-¹⁷⁸n

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$^{72}\text{Hf}-178\text{n}$

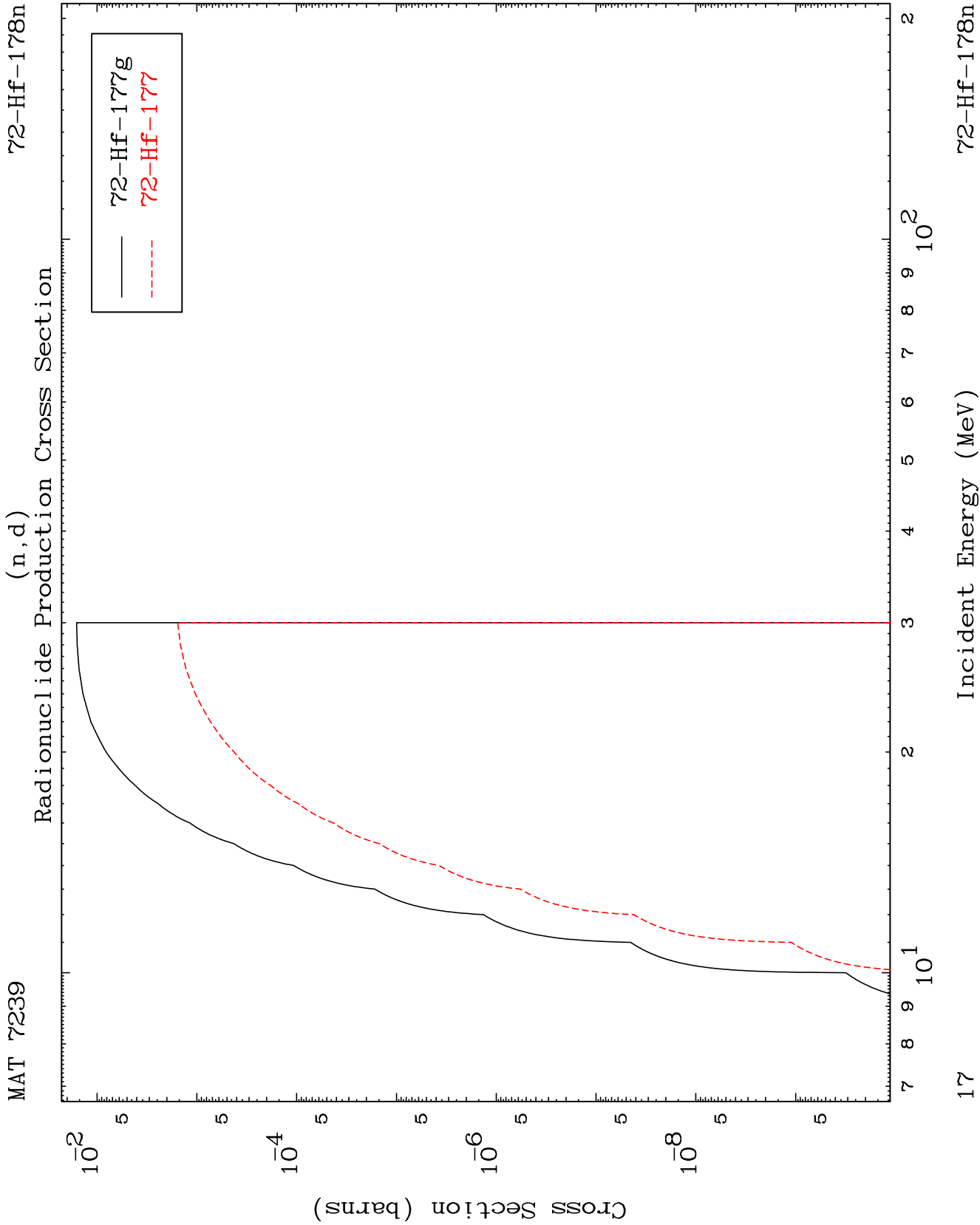
Radionuclide Production Cross Section



16

Incident Energy (MeV)

$^{72}\text{Hf}-178\text{n}$

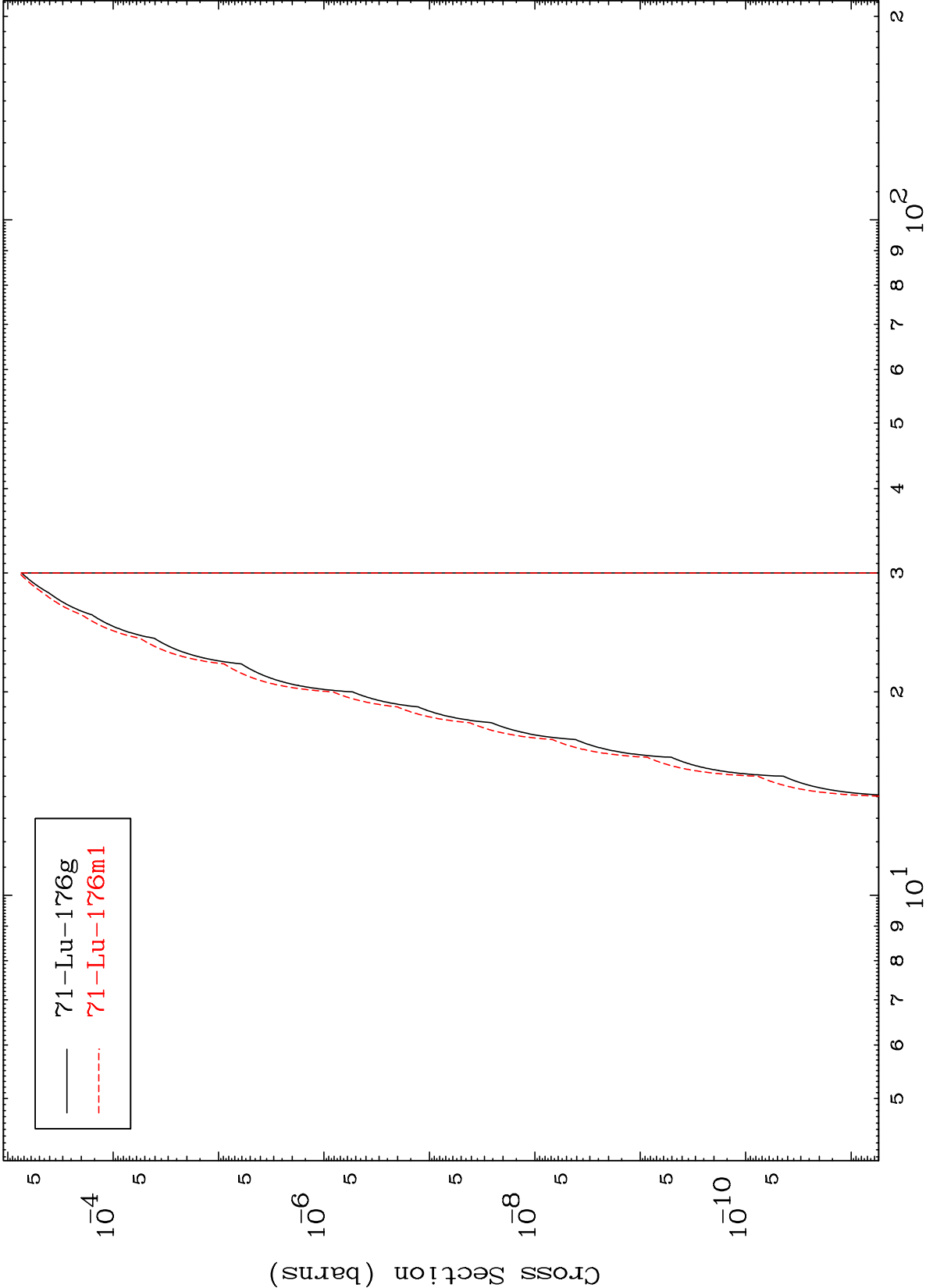


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(n,He-3)

⁷²Hf-¹⁷⁸n

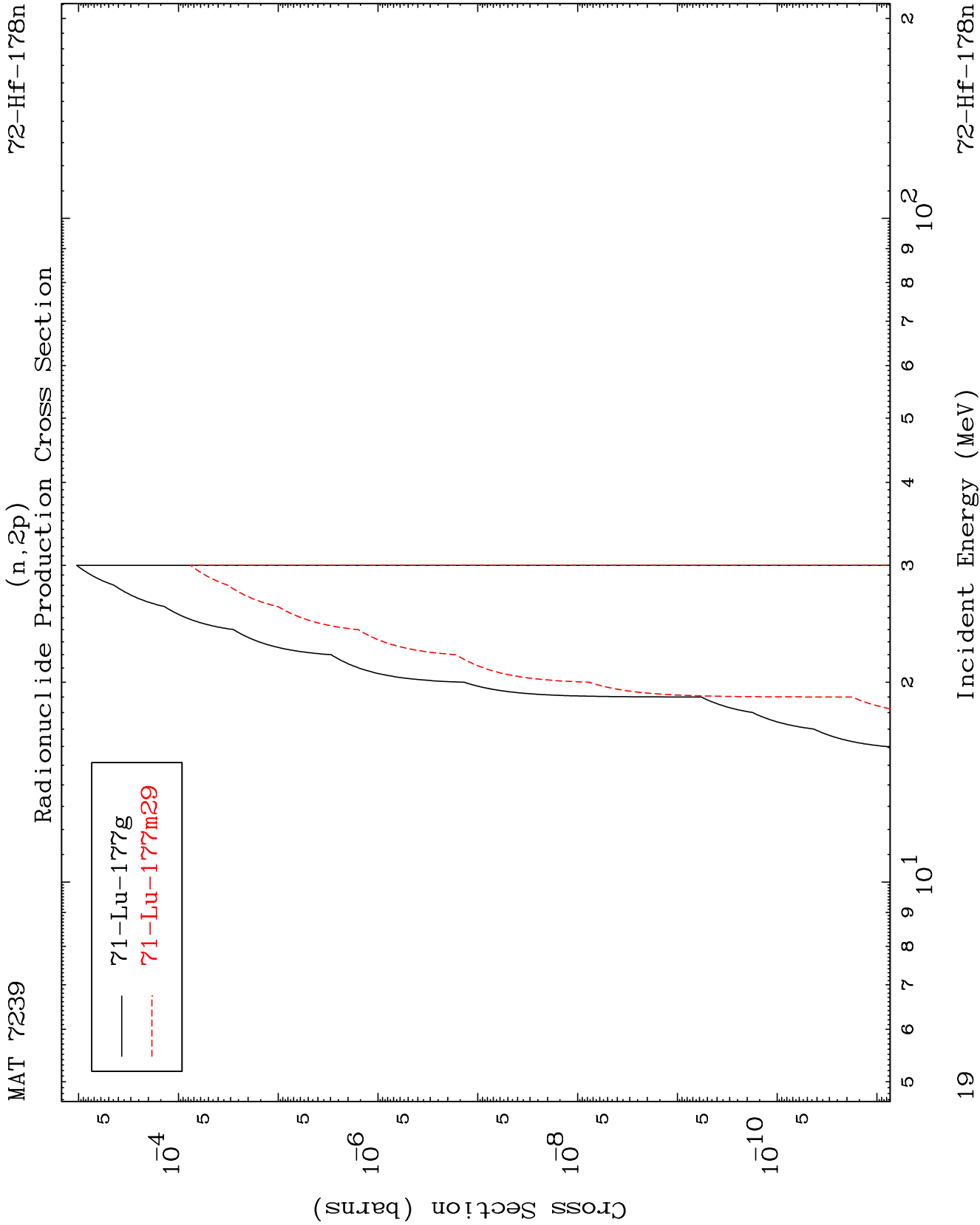
Radionuclide Production Cross Section



18

Incident Energy (MeV)

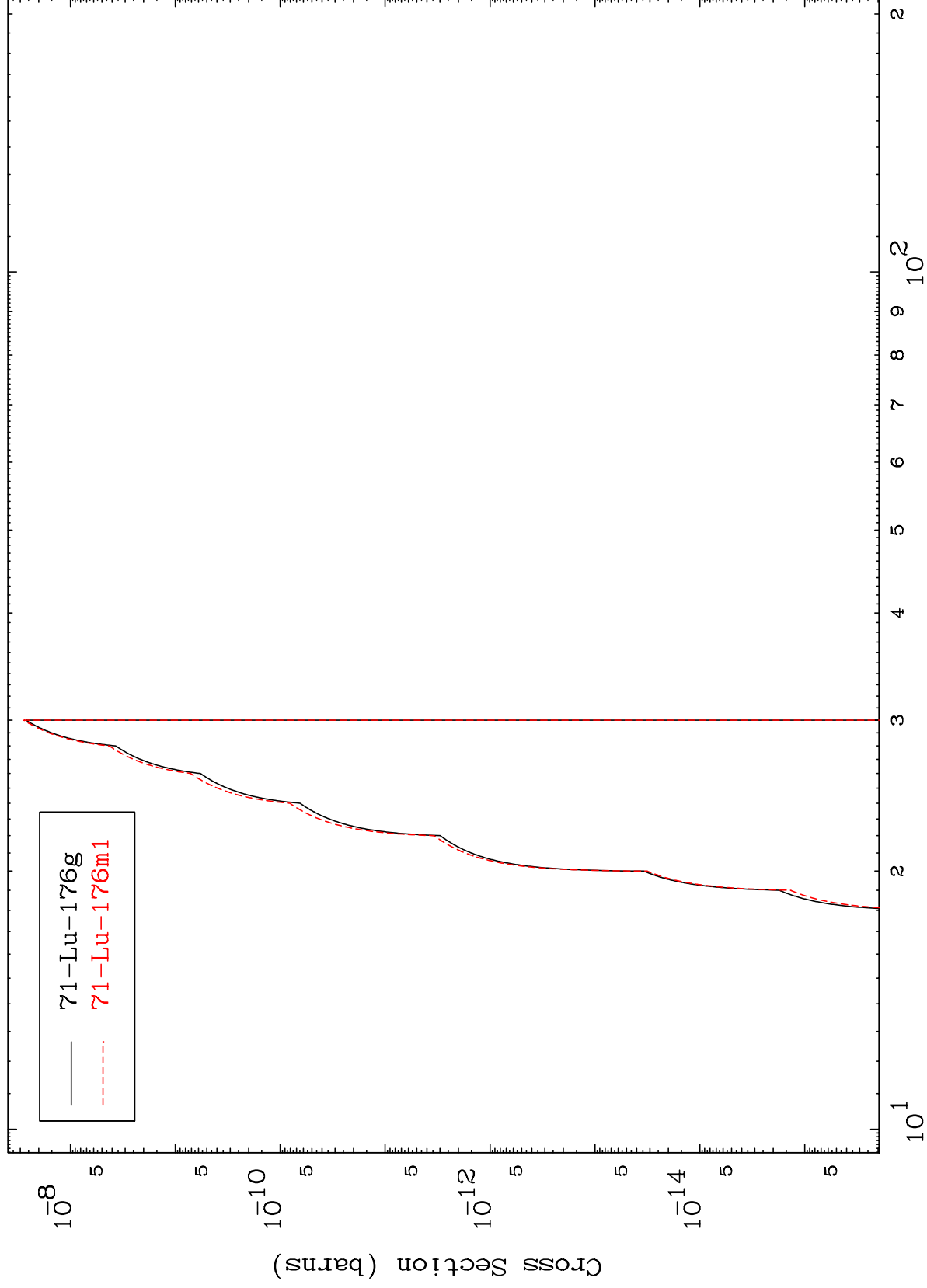
⁷²Hf-¹⁷⁸n



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$^{72}\text{Hf}-^{178}\text{n}$

(n,p) d
Radionuclide Production Cross Section



$^{72}\text{Hf}-^{178}\text{n}$

Incident Energy (MeV)