

Program EVALPLOT
(Version 2021-1)

by

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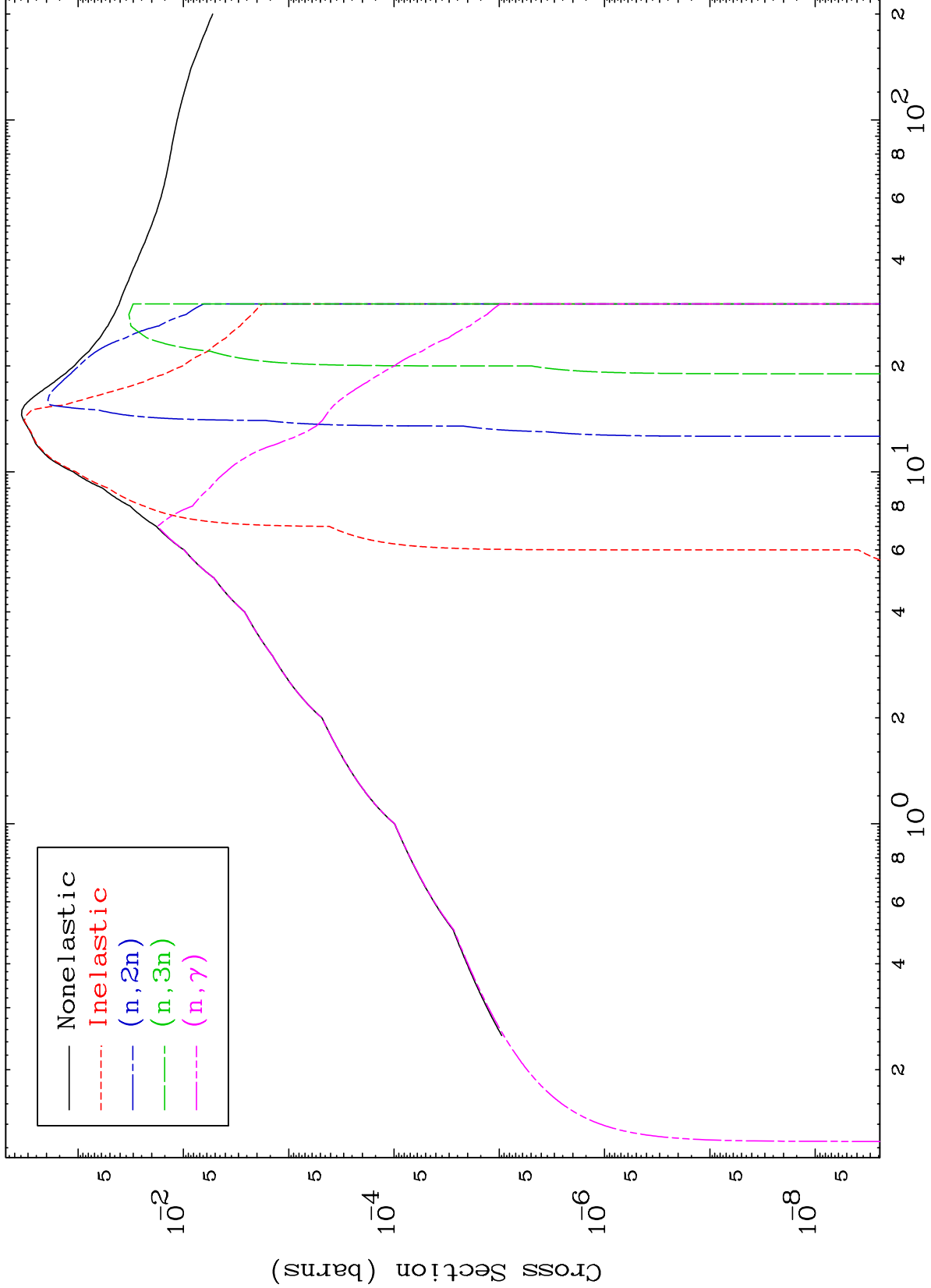
Press Mouse Button to Start

MAT 7242

Photon Major

⁷²Hf-179n

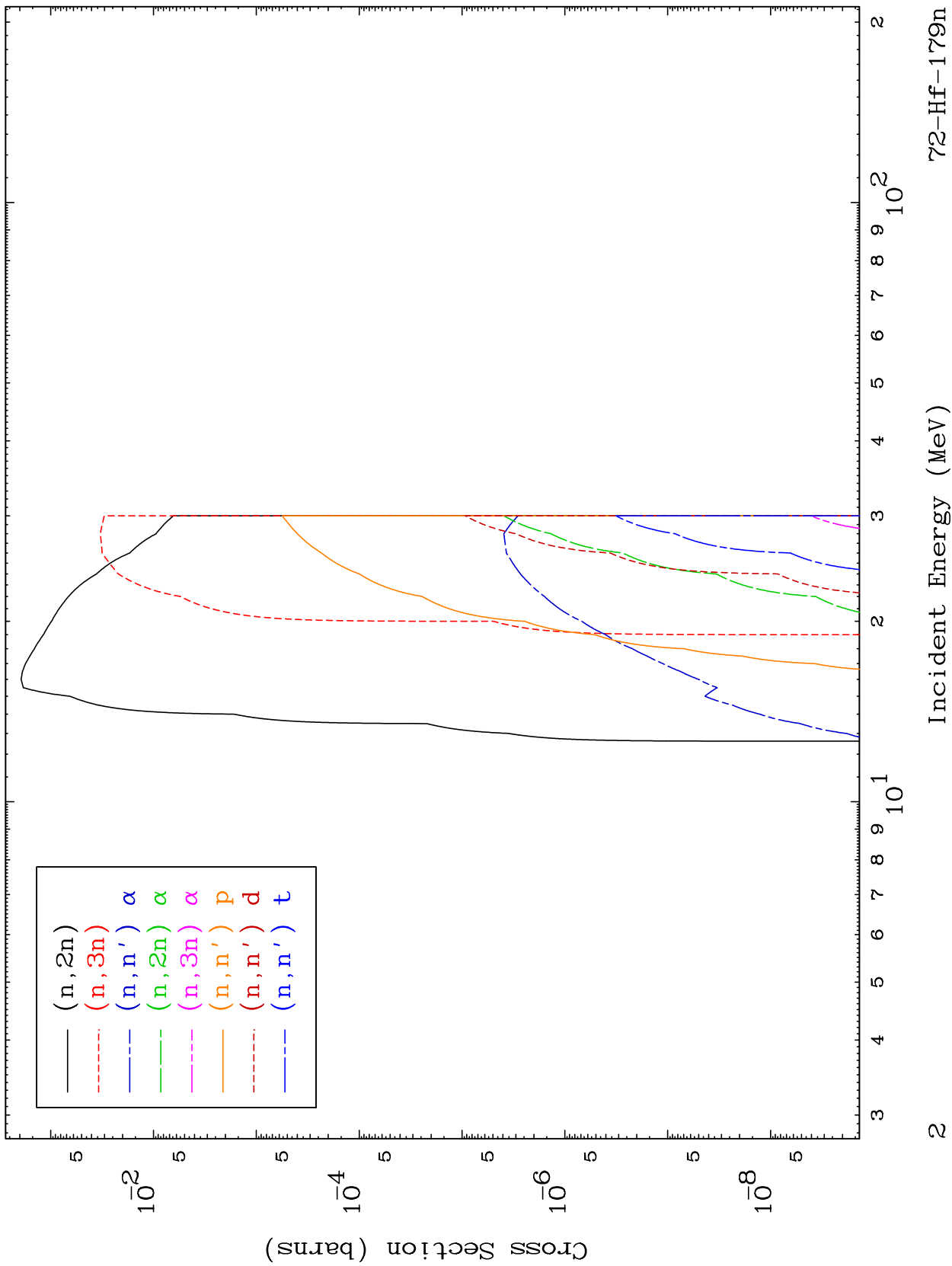
0 Kelvin Cross Sections



MAT 7242

Photon Neutron Absorption
0 Kelvin Cross Sections

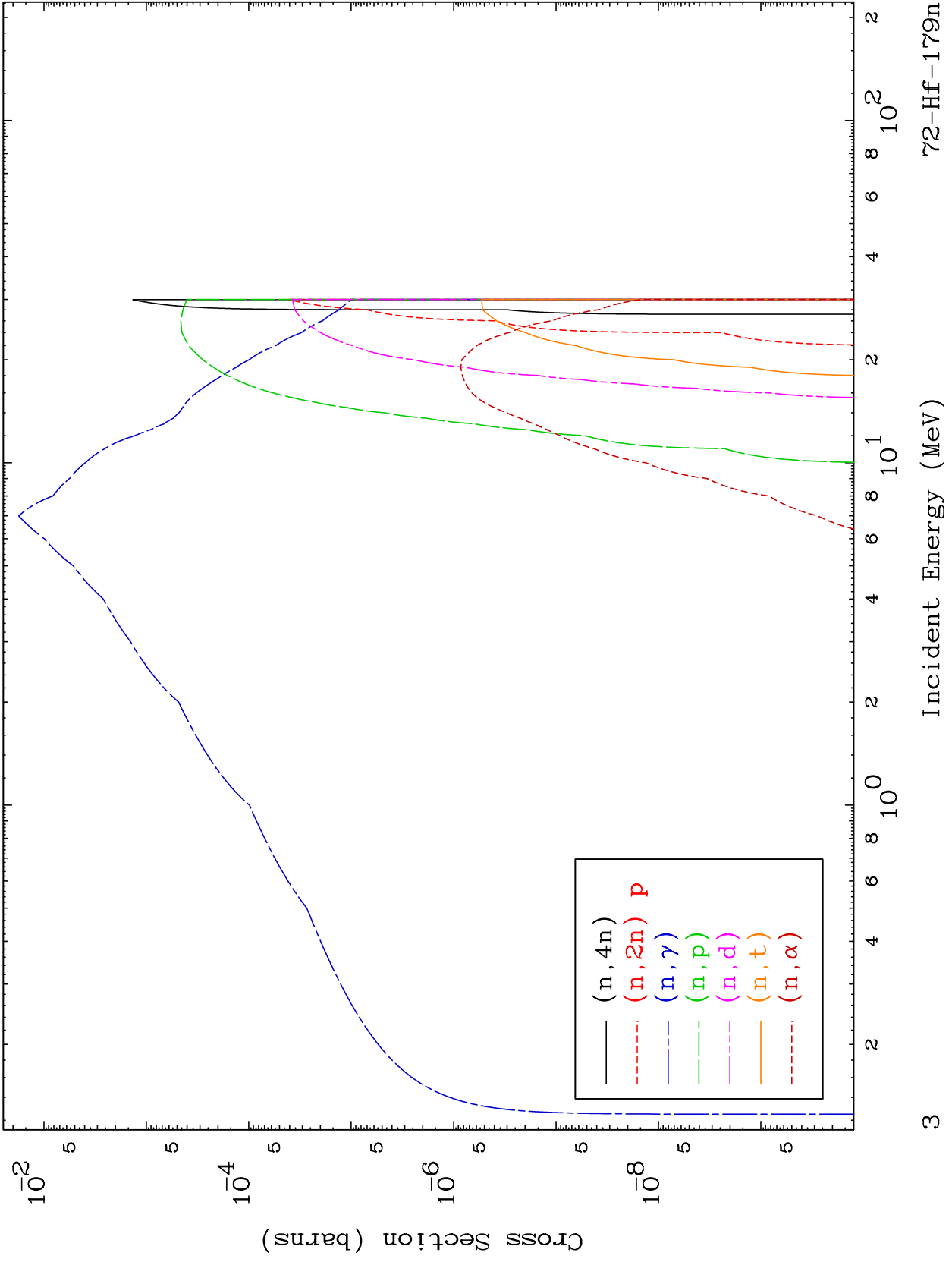
⁷²Hf-179n



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Photon Neutron Absorption
0 Kelvin Cross Sections

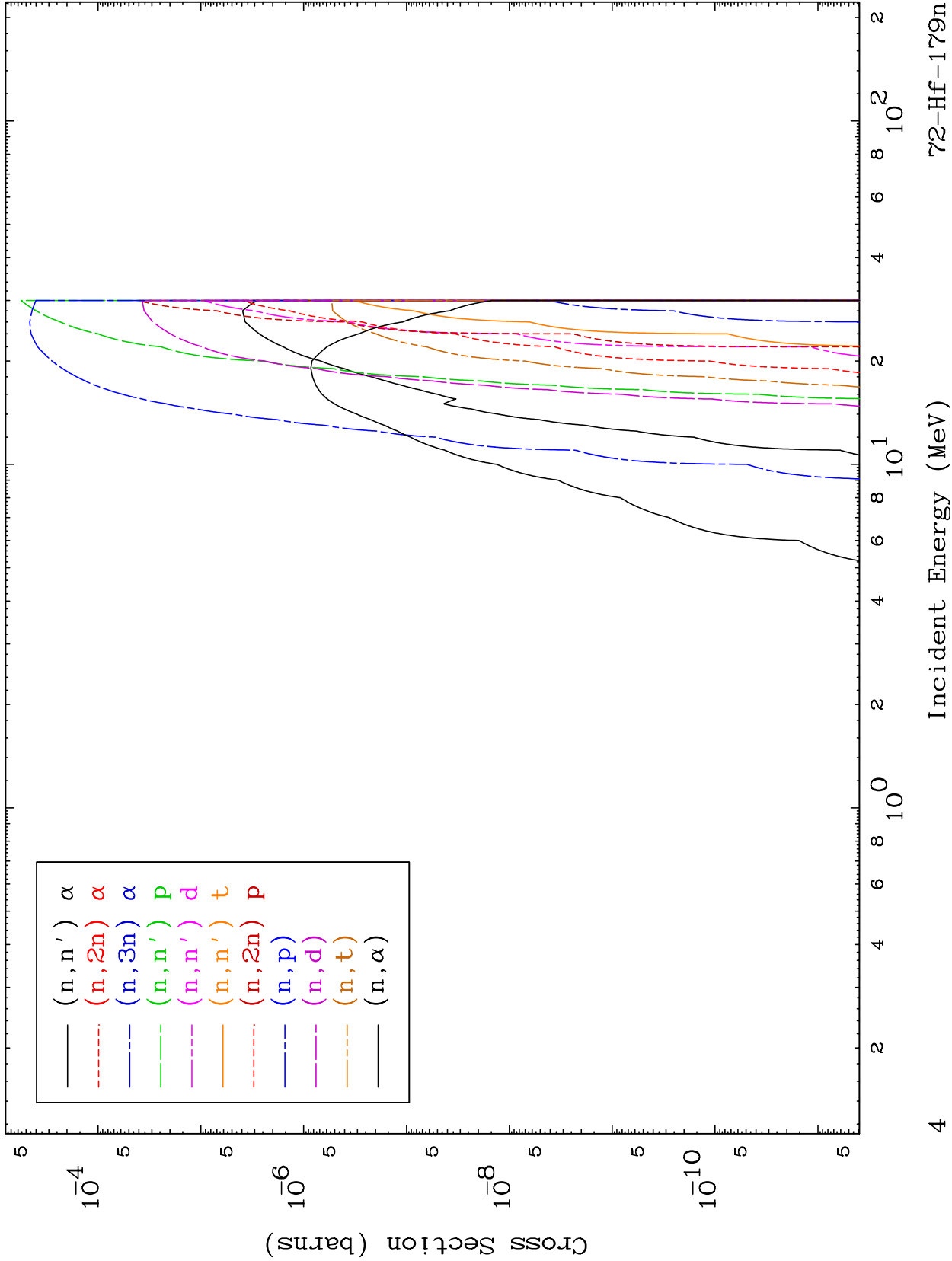
⁷²Hf-179n



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Photon Charged Particle
0 Kelvin Cross Sections

72-Hf-179n

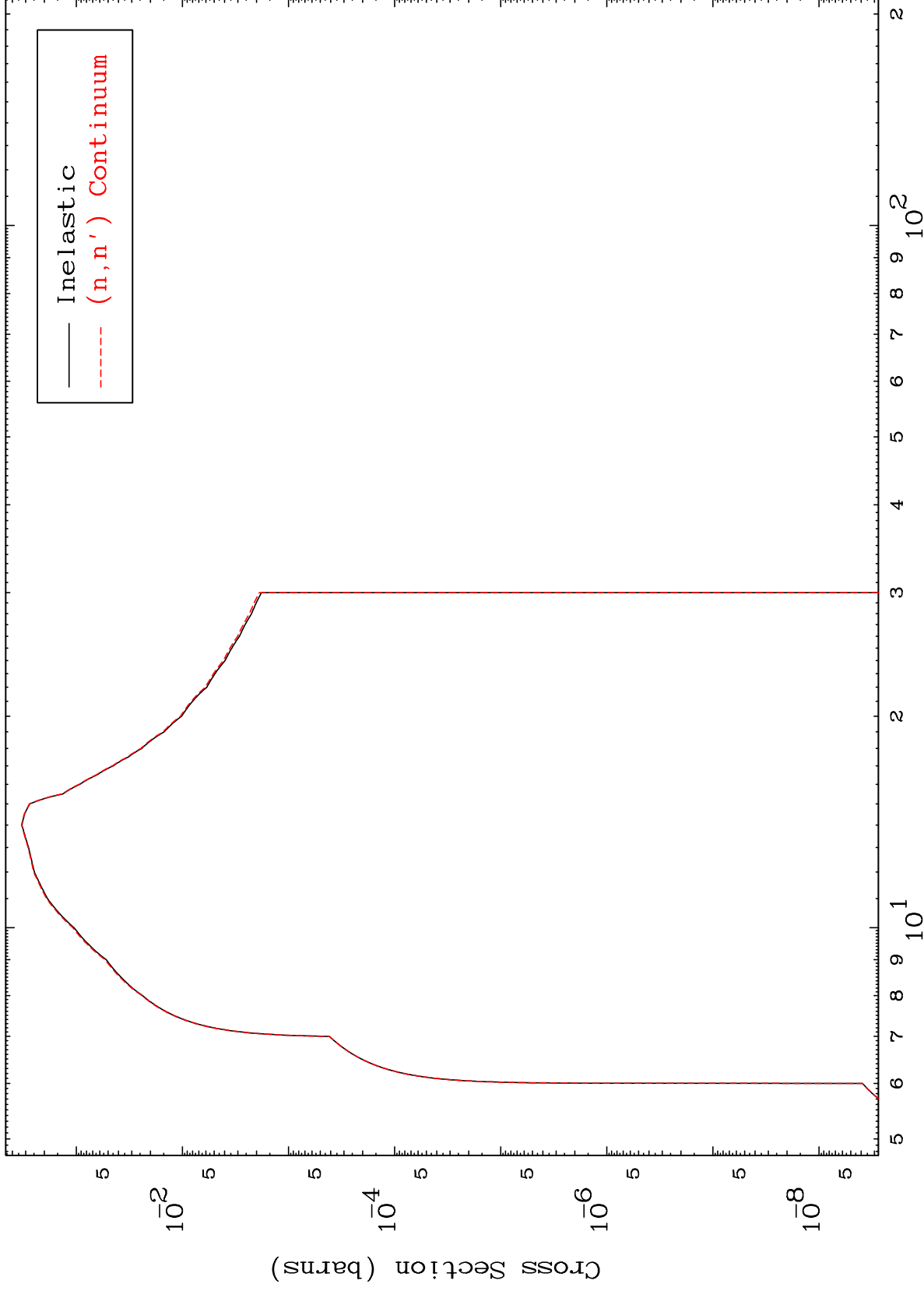


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(γ, n') Levels

$^{72}\text{Hf}-179\text{n}$

0 Kelvin Cross Sections



Incident Energy (MeV)

$^{72}\text{Hf}-179\text{n}$

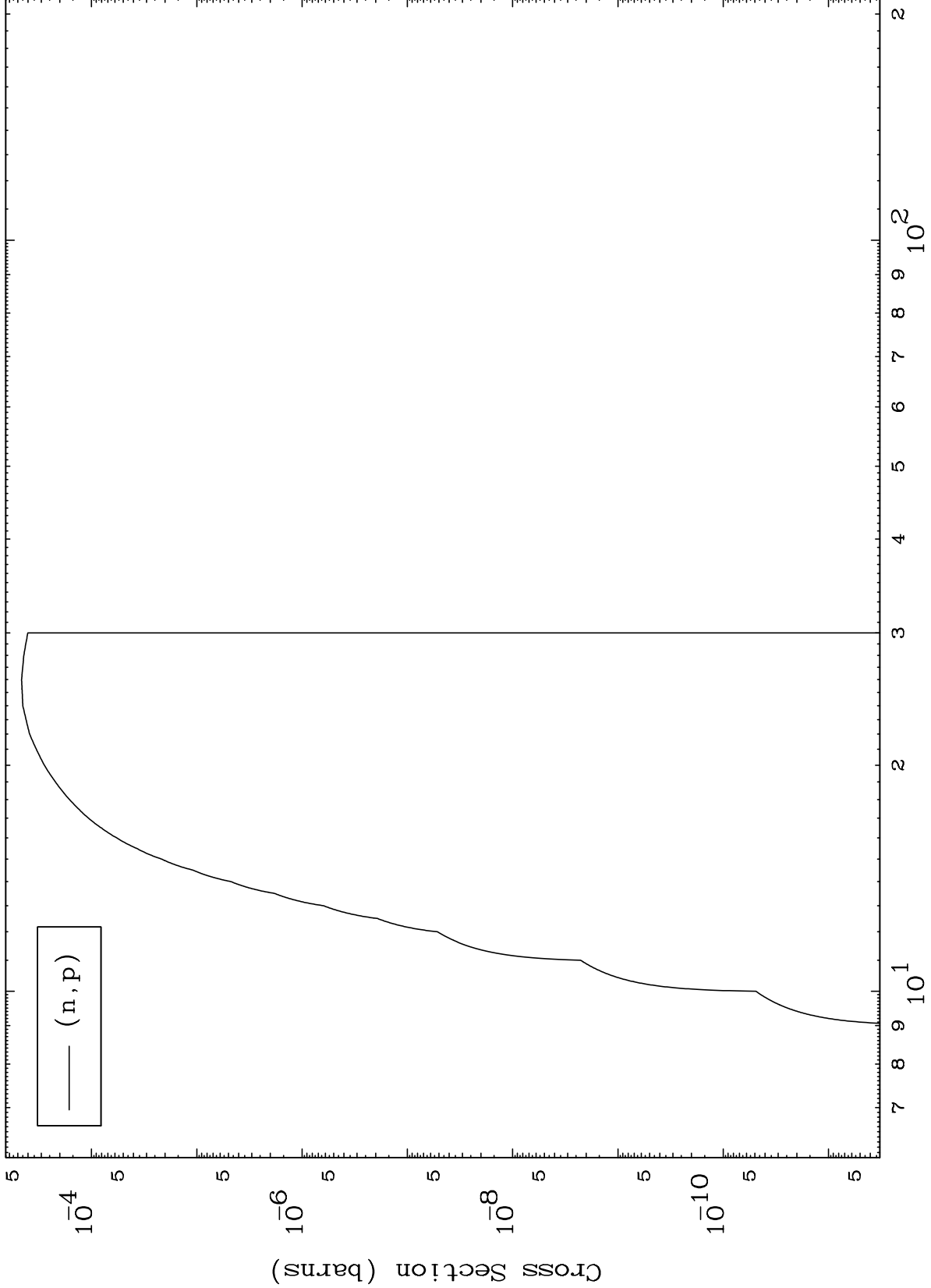
5

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(γ, p) Levels

$^{72}\text{Hf}-179\text{n}$

0 Kelvin Cross Sections



6

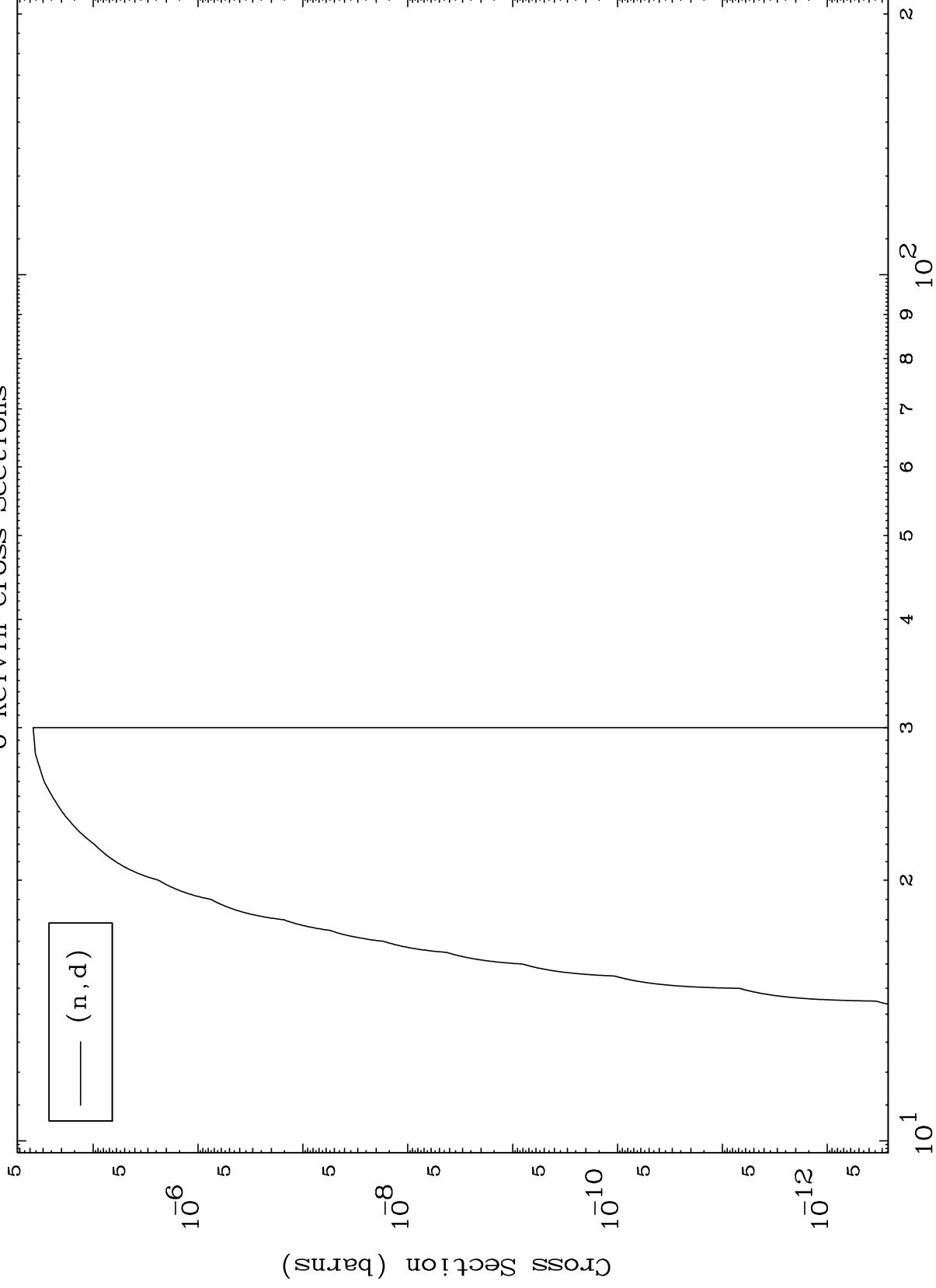
Incident Energy (MeV)

$^{72}\text{Hf}-179\text{n}$

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(γ, d) Levels
0 Kelvin Cross Sections

$^{72}\text{Hf}-179\text{n}$



$^{72}\text{Hf}-179\text{n}$

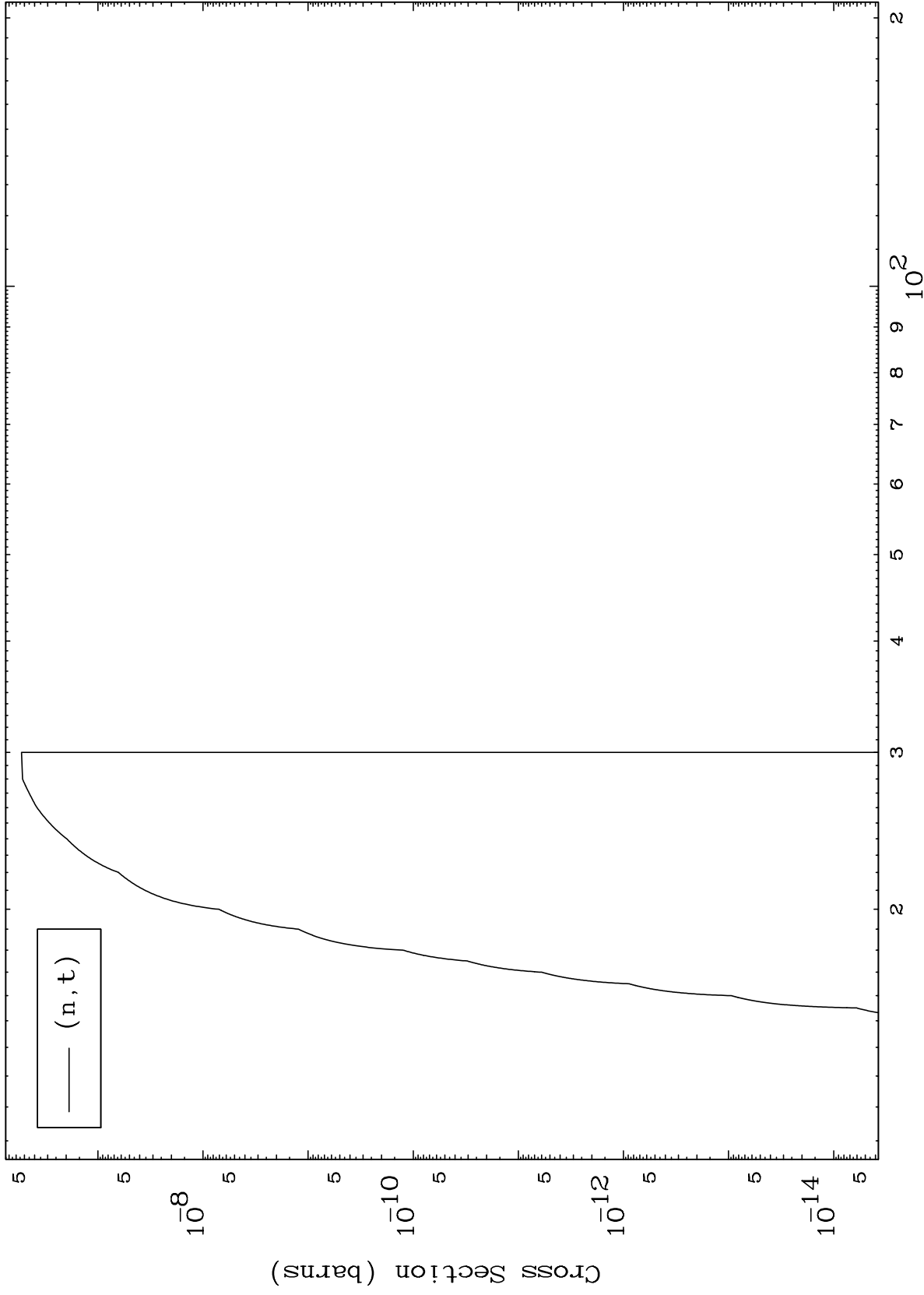
Incident Energy (MeV)

10^1

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(γ, t) Levels
0 Kelvin Cross Sections

$^{72}\text{Hf}-179\text{n}$



8

Incident Energy (MeV)

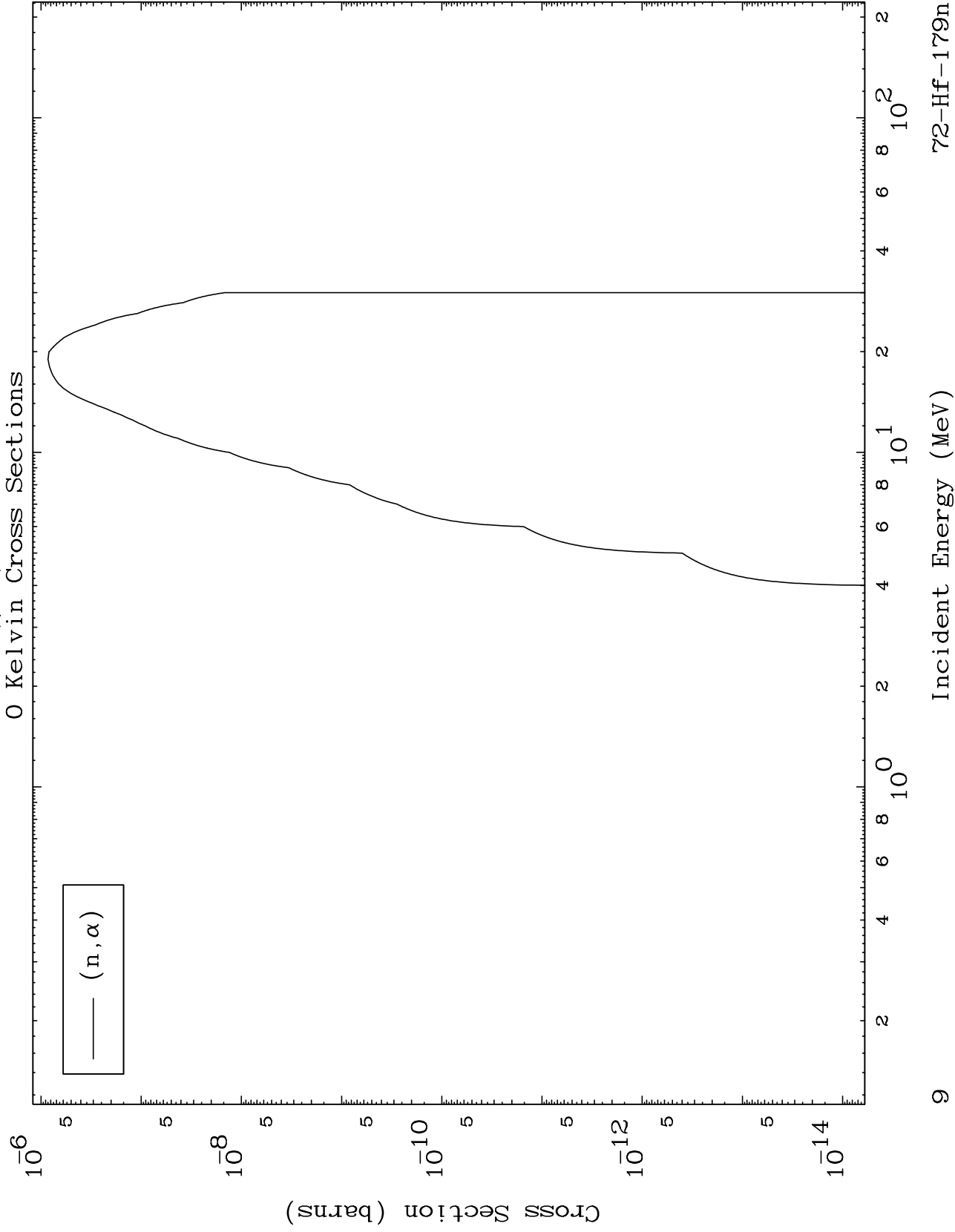
$^{72}\text{Hf}-179\text{n}$

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(γ, α) Levels

$^{72}\text{Hf}-179\text{n}$

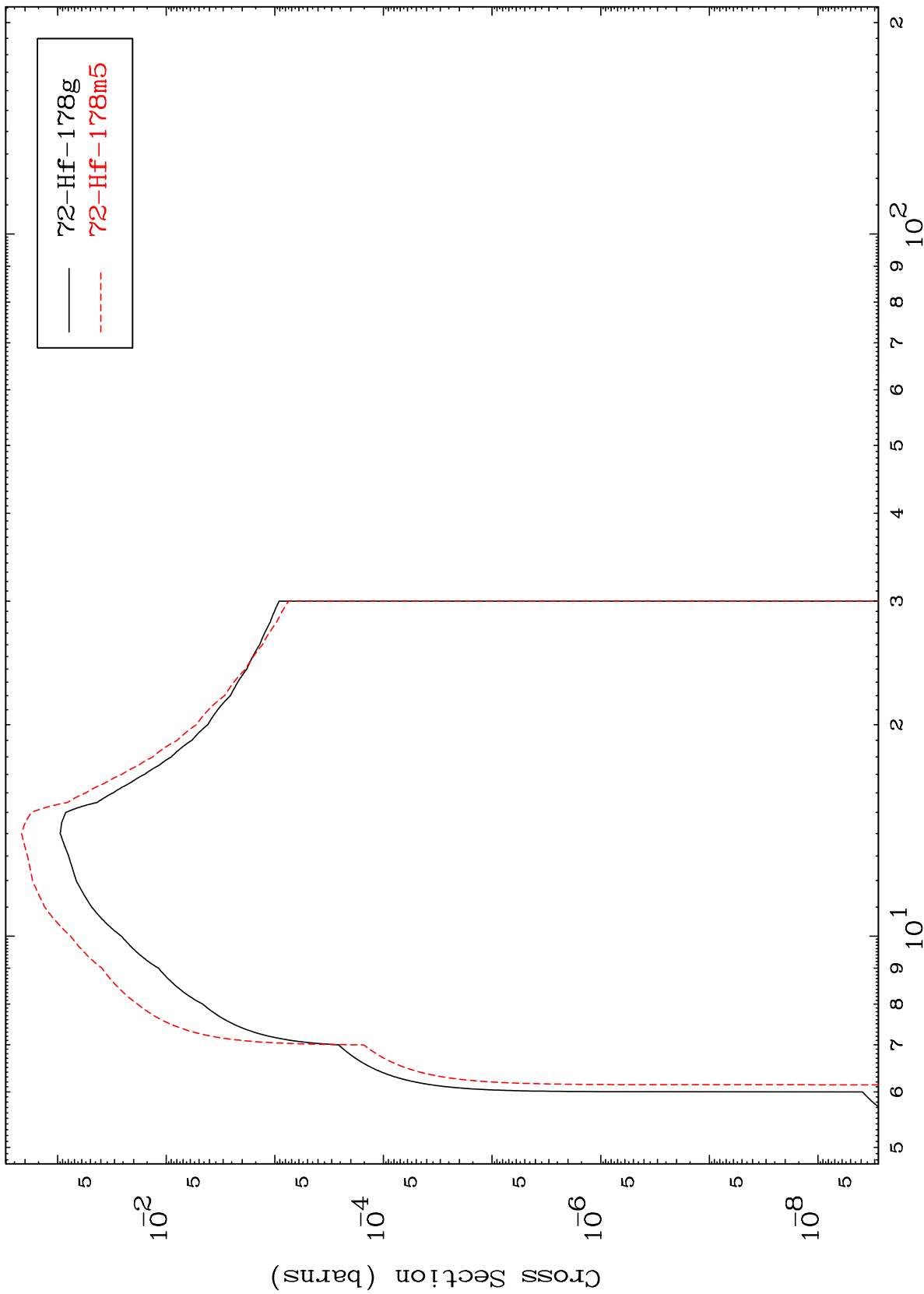
0 Kelvin Cross Sections



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⁷²Hf-179n

Inelastic
Radionuclide Production Cross Section



⁷²Hf-179n

Incident Energy (MeV)

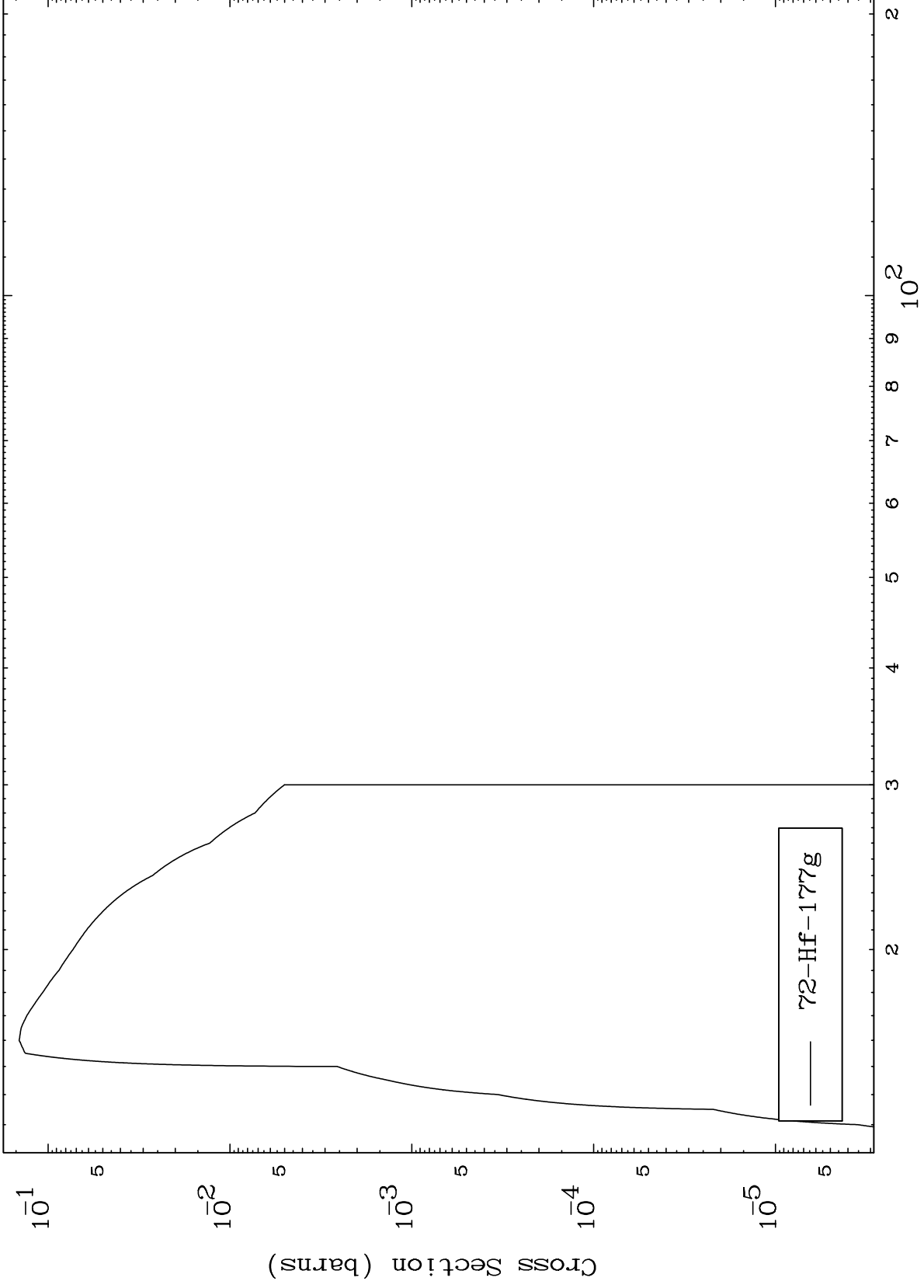
10

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(n,2n)

⁷²Hf-179n

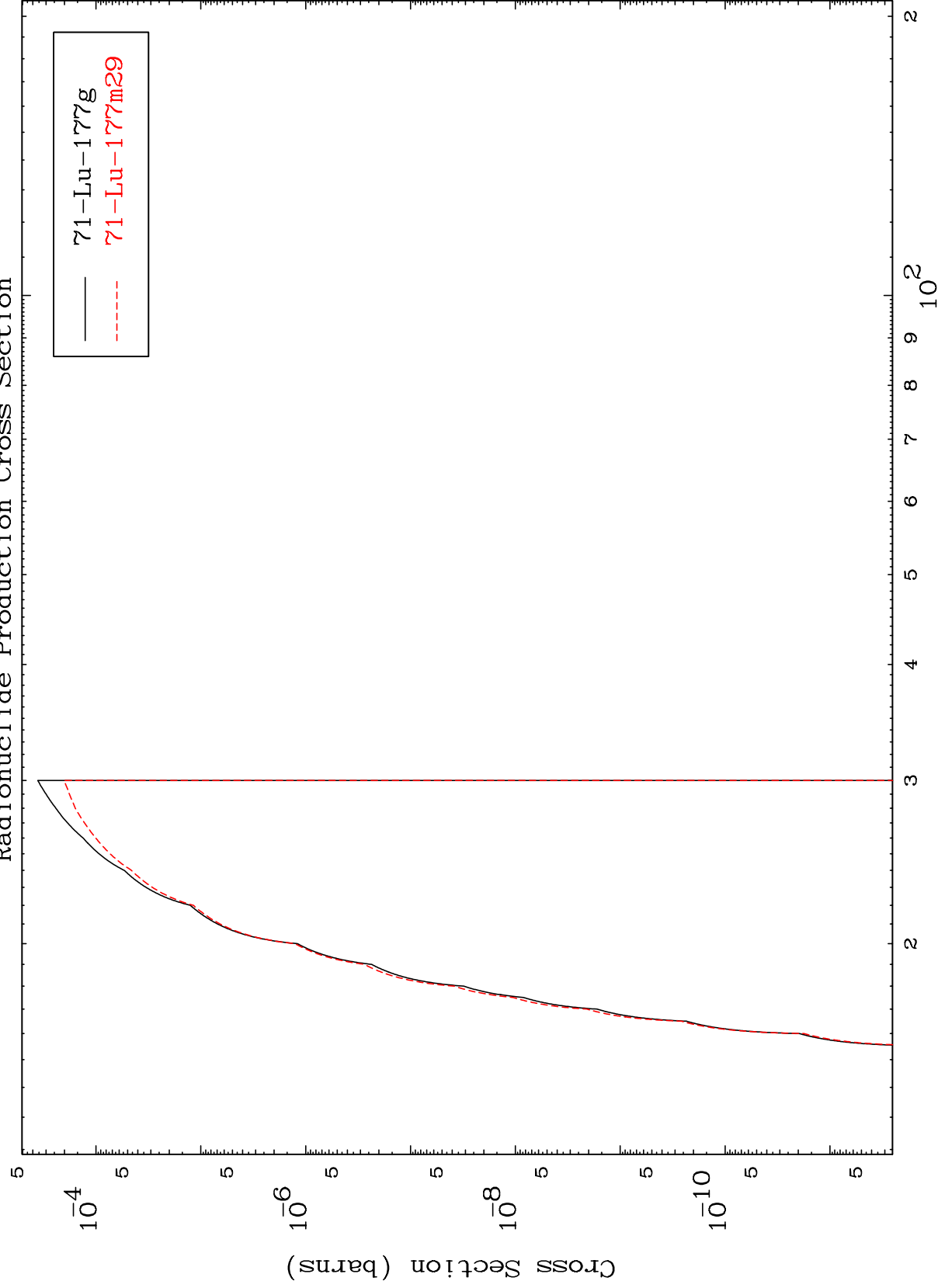
Radionuclide Production Cross Section



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⁷²Hf-179n

(n,n') p
Radionuclide Production Cross Section



12

Incident Energy (MeV)

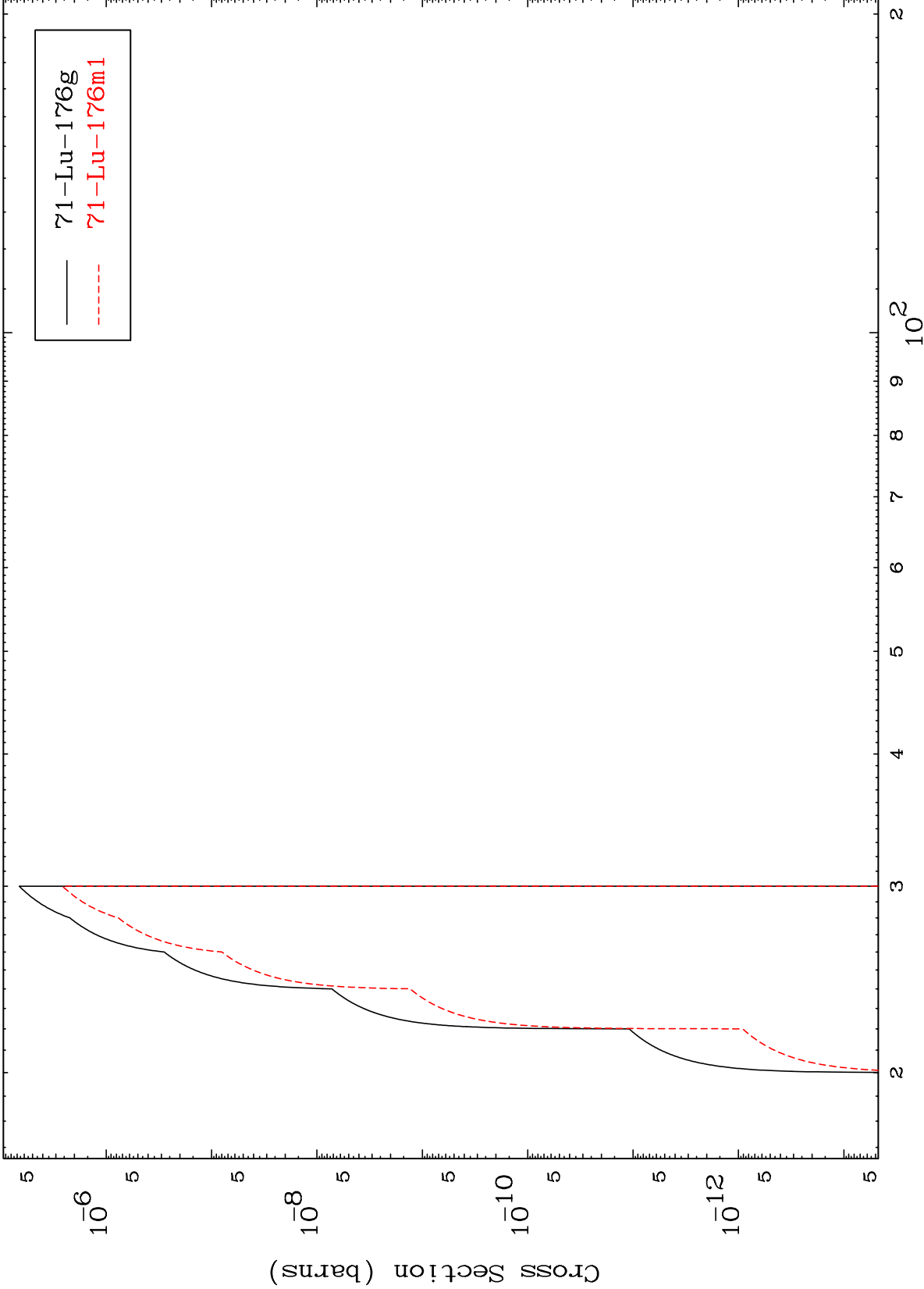
⁷²Hf-179n

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(n,n') d

⁷²Hf-¹⁷⁹n

Radionuclide Production Cross Section



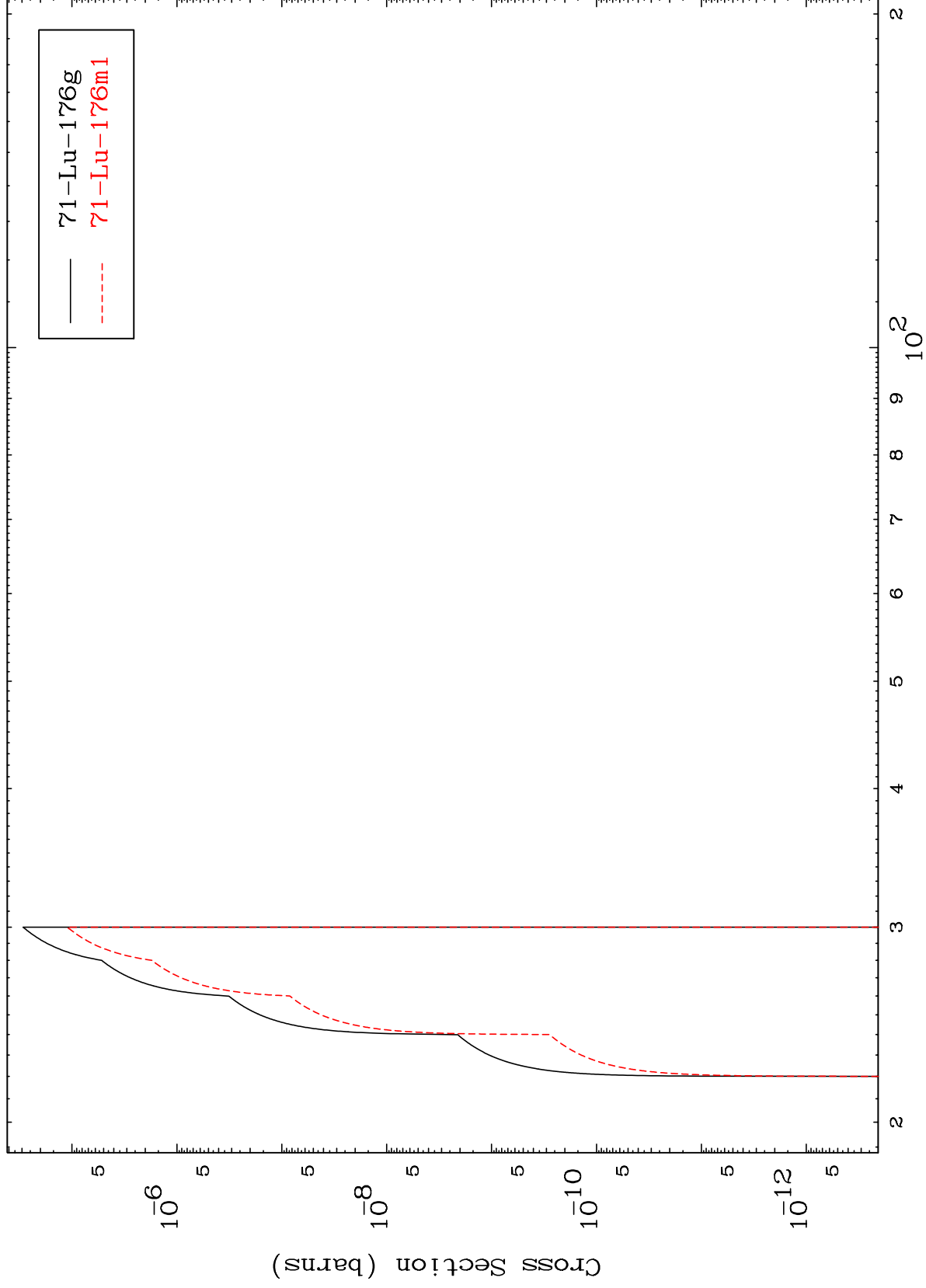
— ⁷¹-Lu-¹⁷⁶g
- - - ⁷¹-Lu-¹⁷⁶m1

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(n,2n) p

⁷²Hf-179n

Radionuclide Production Cross Section



14

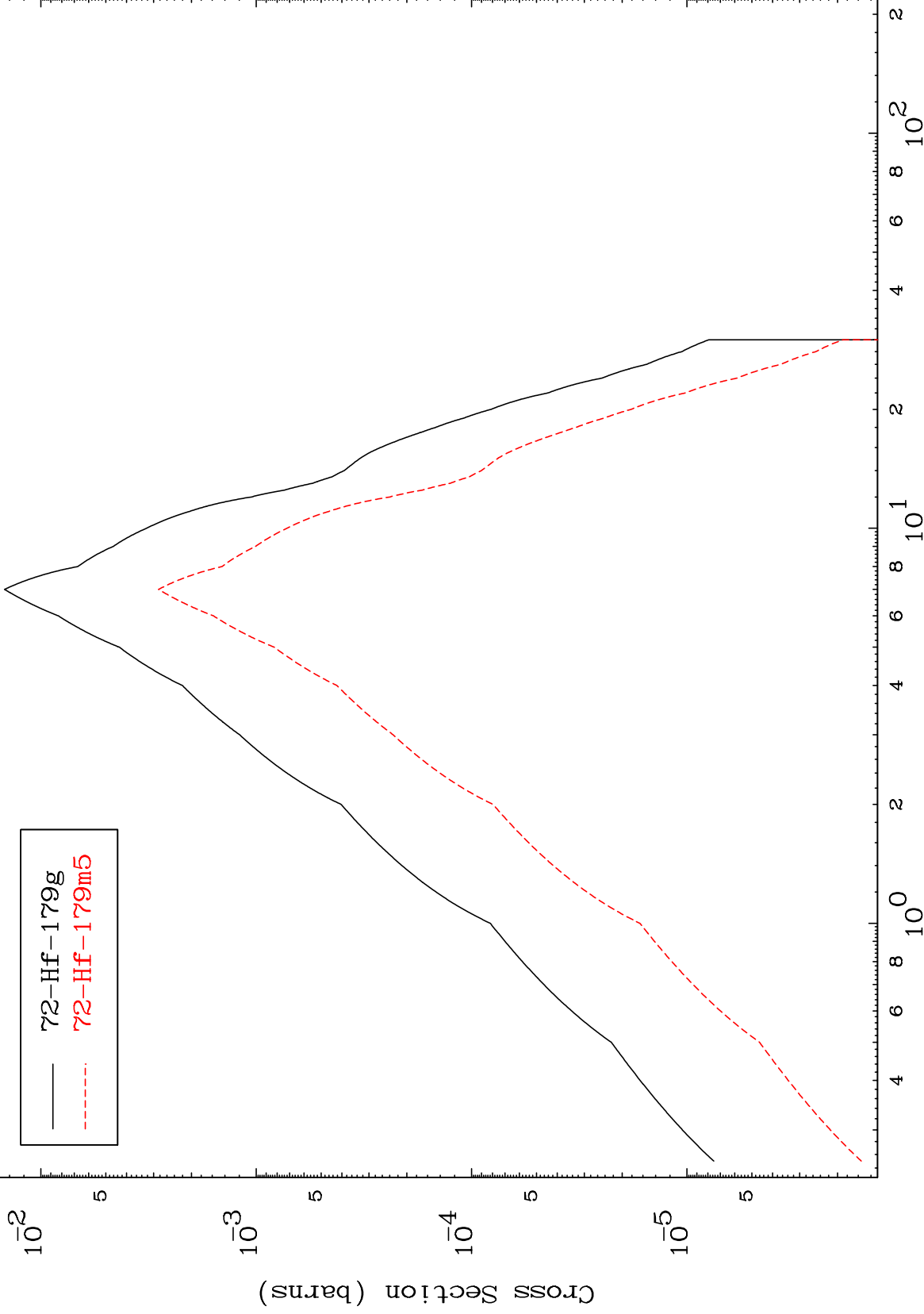
Incident Energy (MeV)

⁷²Hf-179n

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$^{72}\text{Hf}-179\text{n}$

Radionuclide Production Cross Section



15

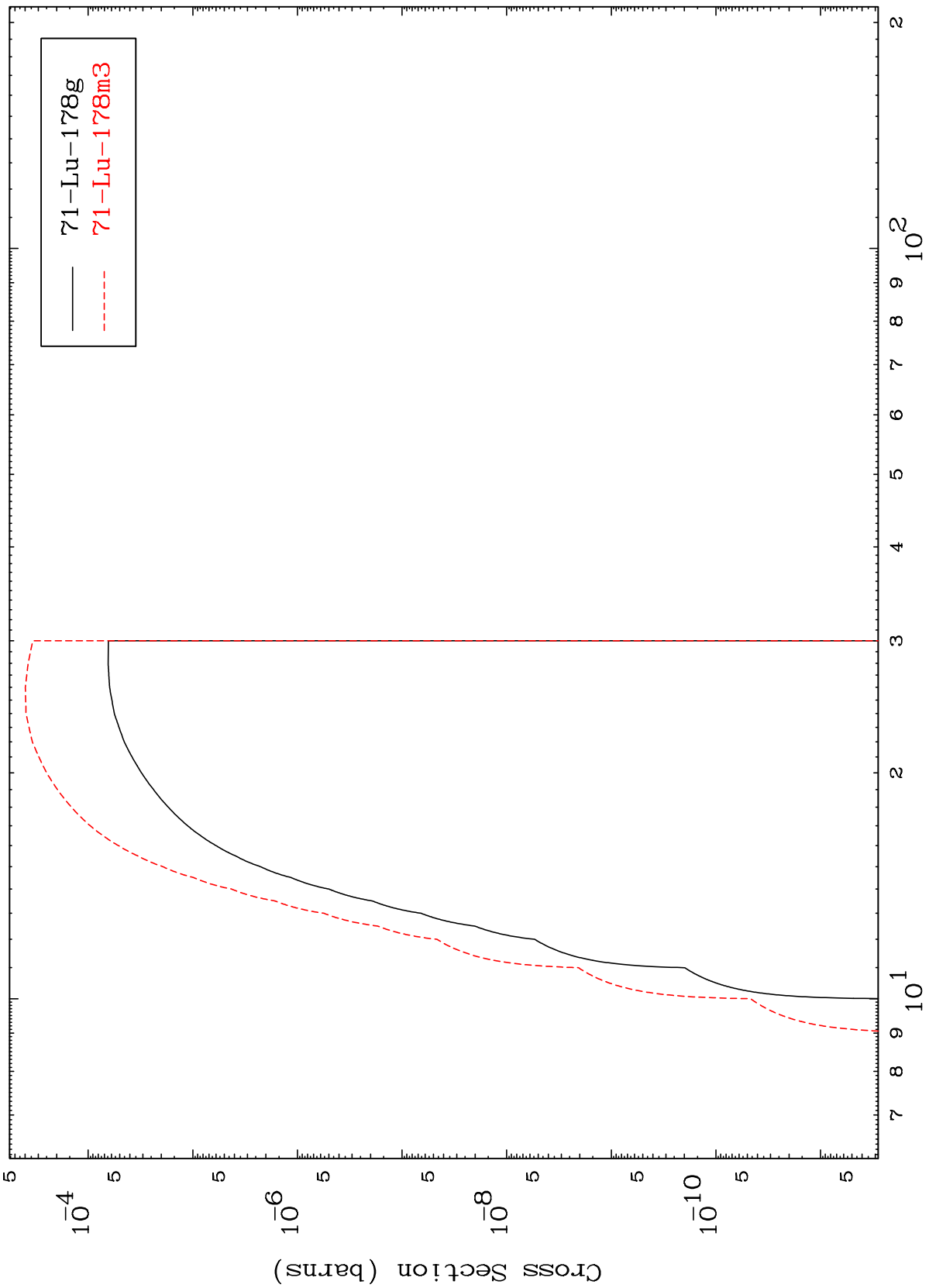
$^{72}\text{Hf}-179\text{n}$

Incident Energy (MeV)

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⁷²Hf-179n

(n,p)
Radionuclide Production Cross Section



— ⁷¹Lu-178g
- - - ⁷¹Lu-178m3

16

Incident Energy (MeV)

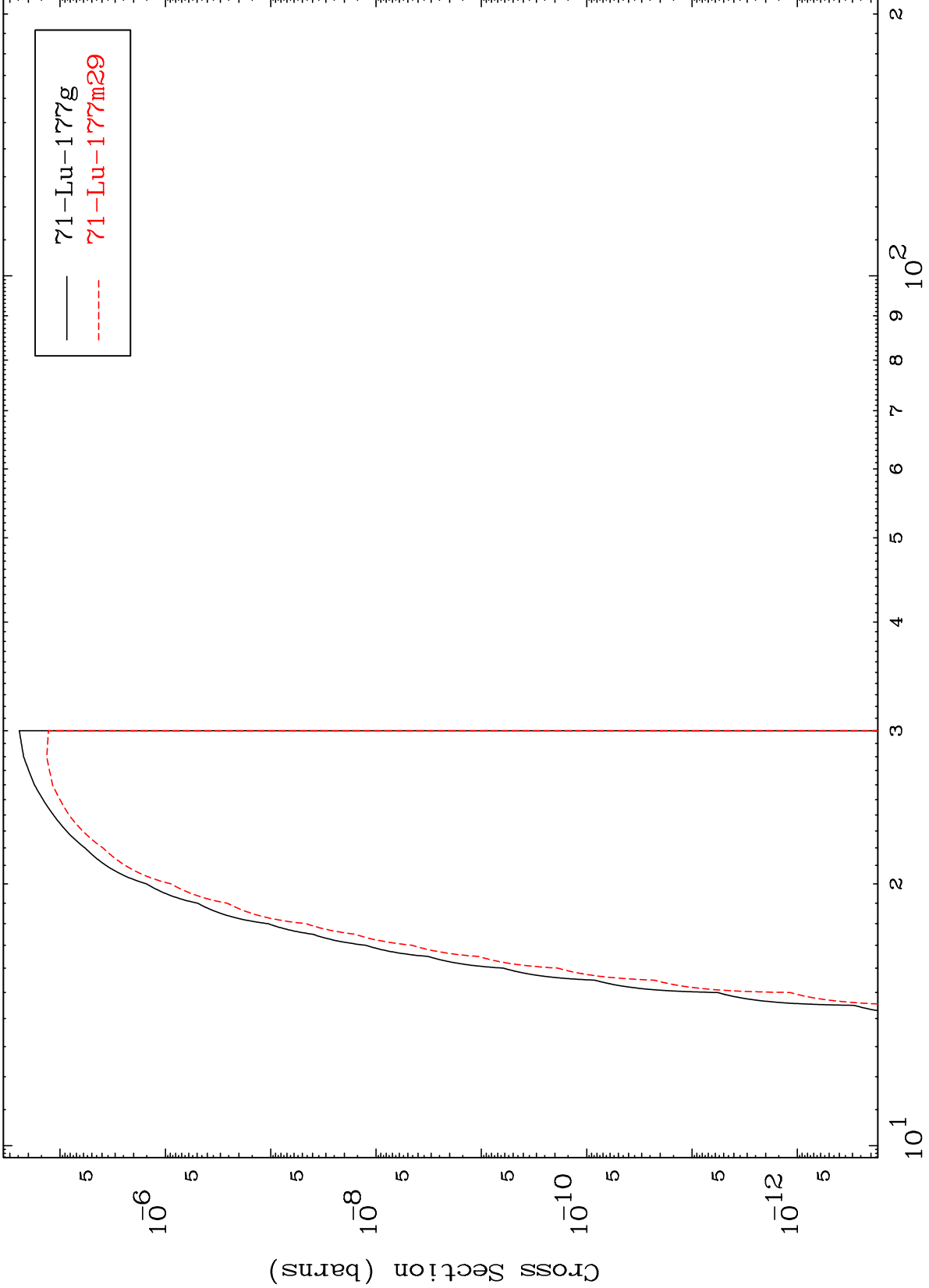
⁷²Hf-179n

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(n,d)

⁷²Hf-¹⁷⁹n

Radionuclide Production Cross Section



10¹

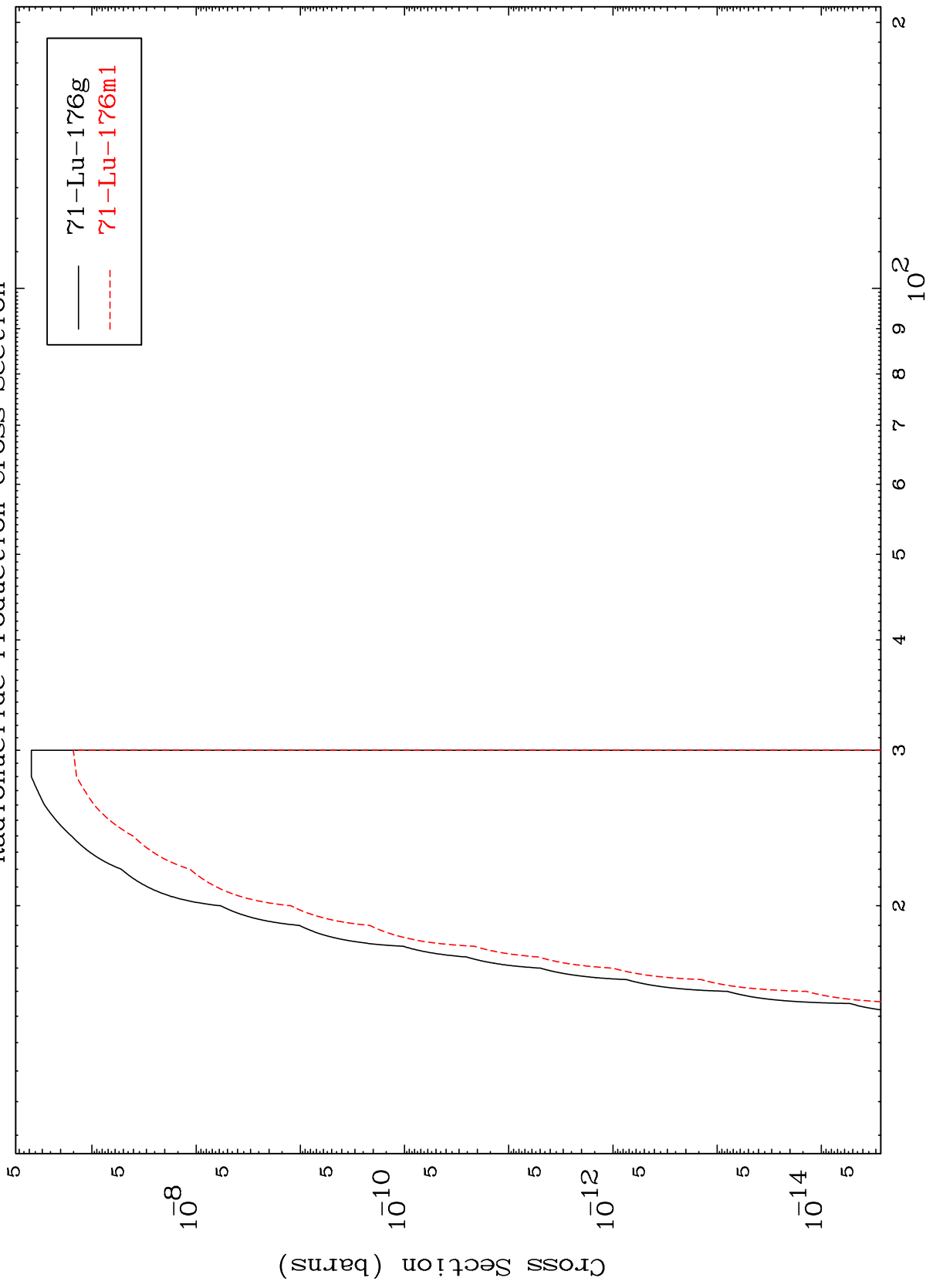
Incident Energy (MeV)

⁷²Hf-¹⁷⁹n

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72-Hf-179n

(n, t)
Radionuclide Production Cross Section



18

Incident Energy (MeV)

72-Hf-179n