

Program EVALPLOT
(Version 2021-1)

by

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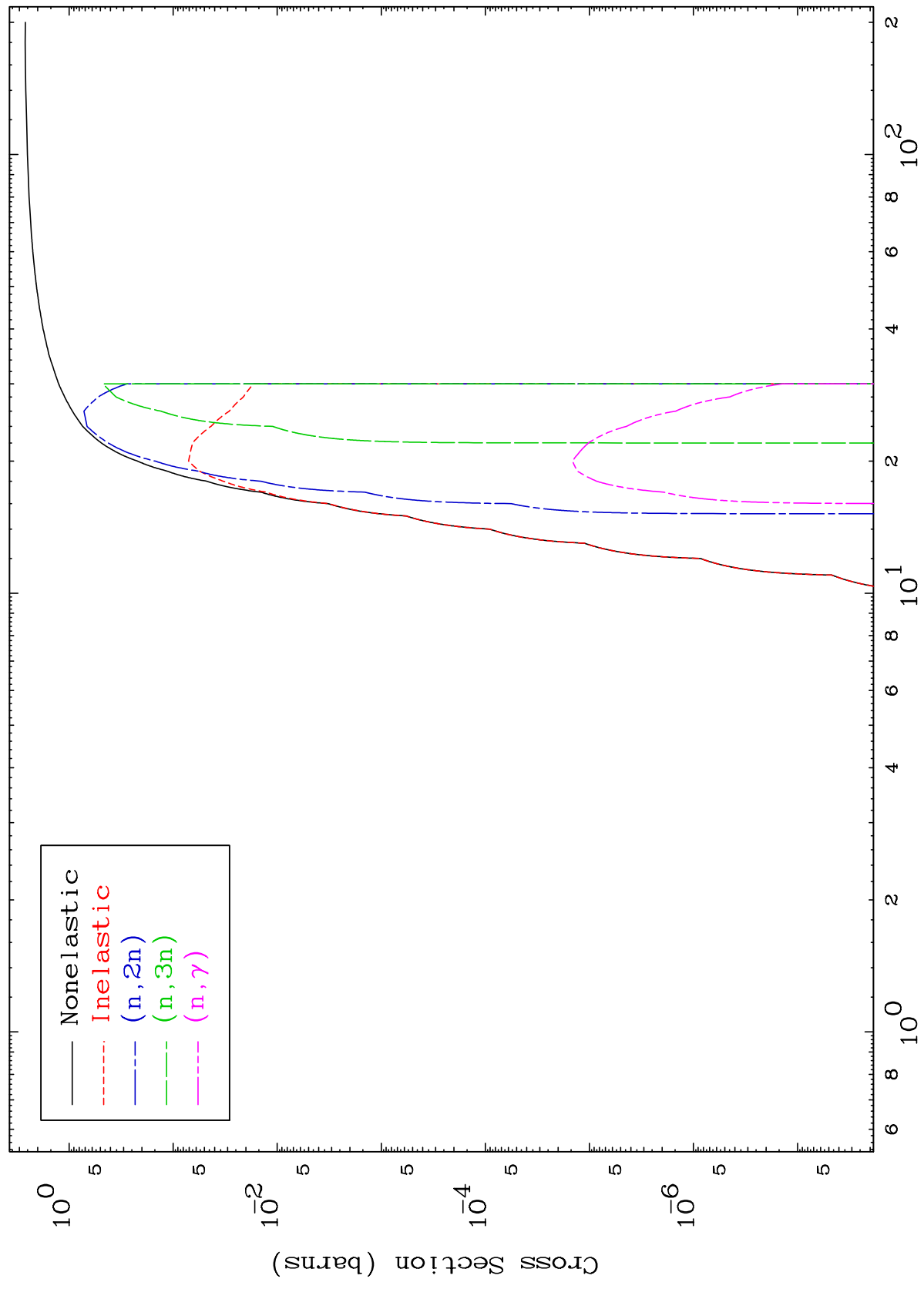
Press Mouse Button to Start

MAT 7242

0 Kelvin

Major Cross Sections

⁷²Hf-179n

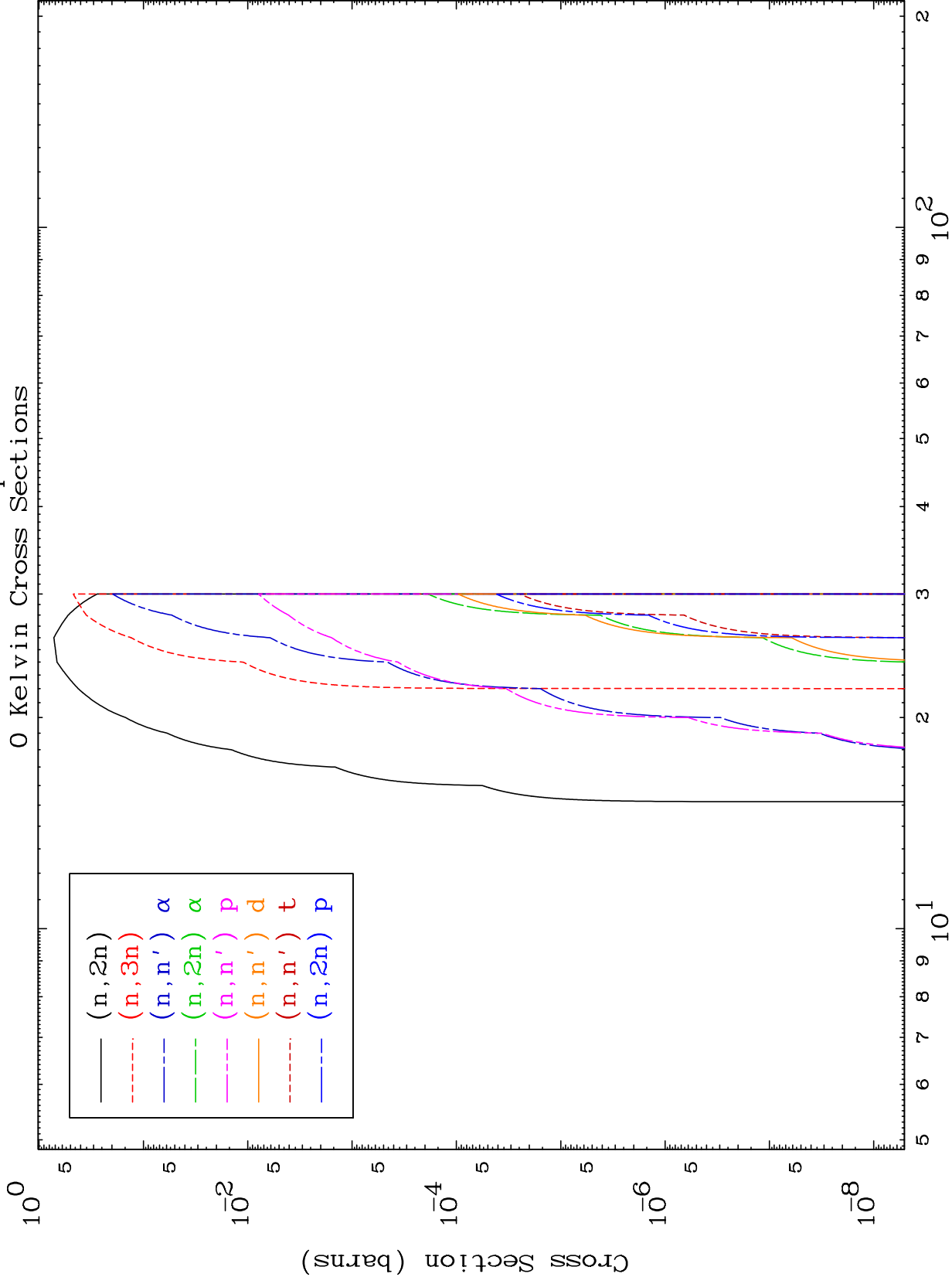


Legend:
— Nonelastic
- - - Inelastic
- - - (n,2n)
- - - (n,3n)
- - - (n,γ)

MAT 7242

α Neutron Absorption
0 Kelvin Cross Sections

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



2

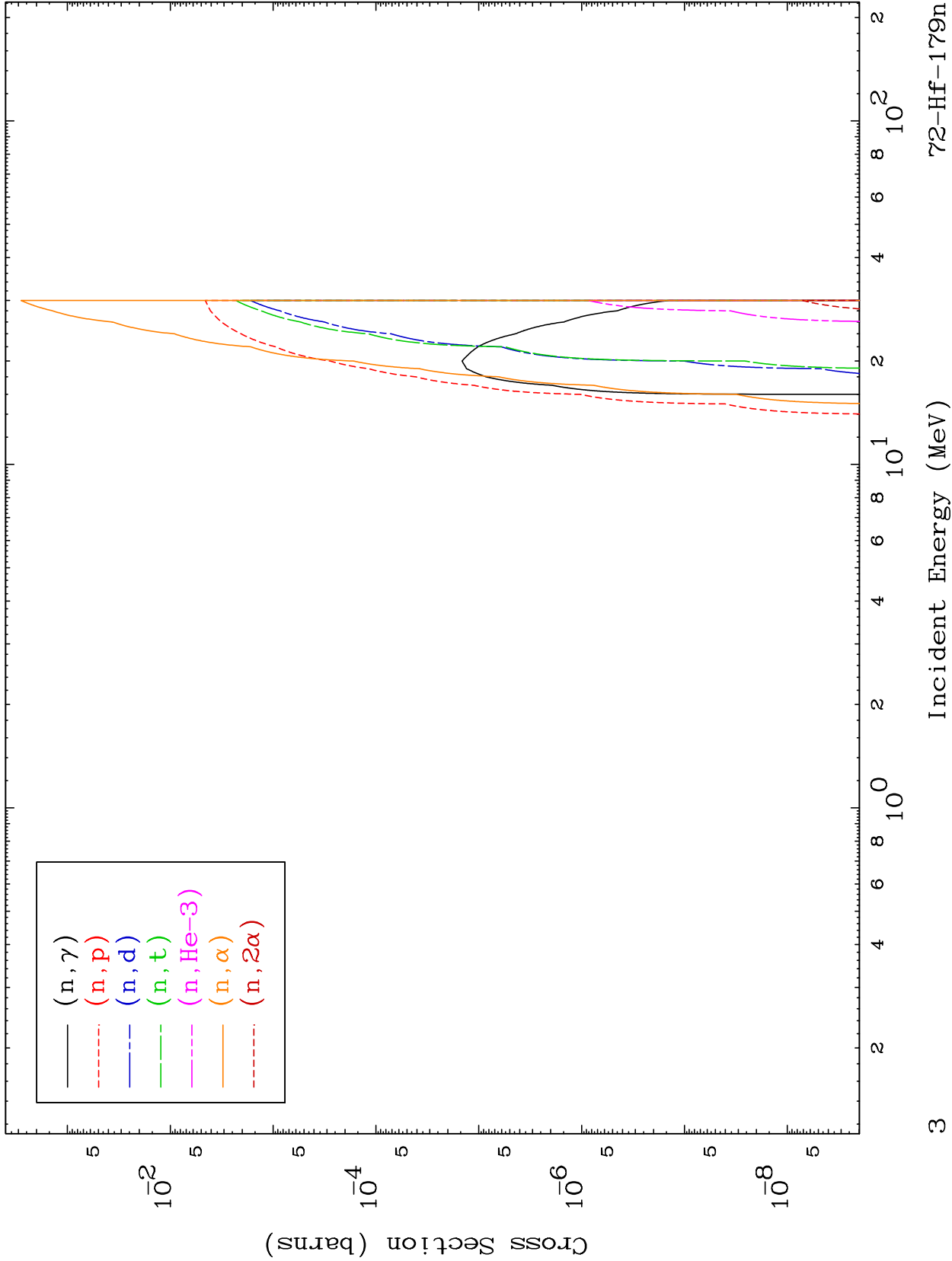
Incident Energy (MeV)

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

MAT 7242

α Neutron Absorption
0 Kelvin Cross Sections

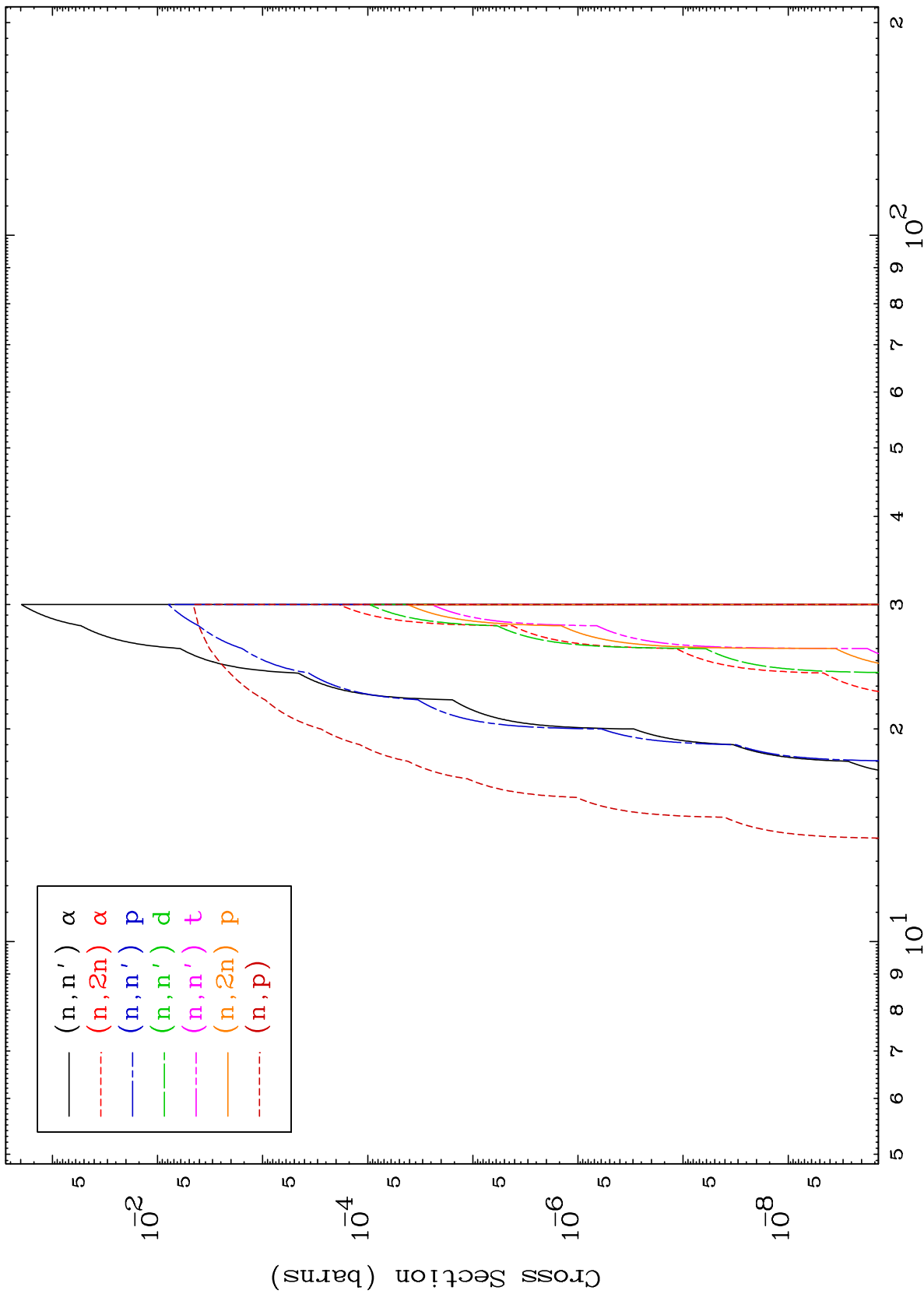
$^{72}\text{Hf}-179\text{n}$

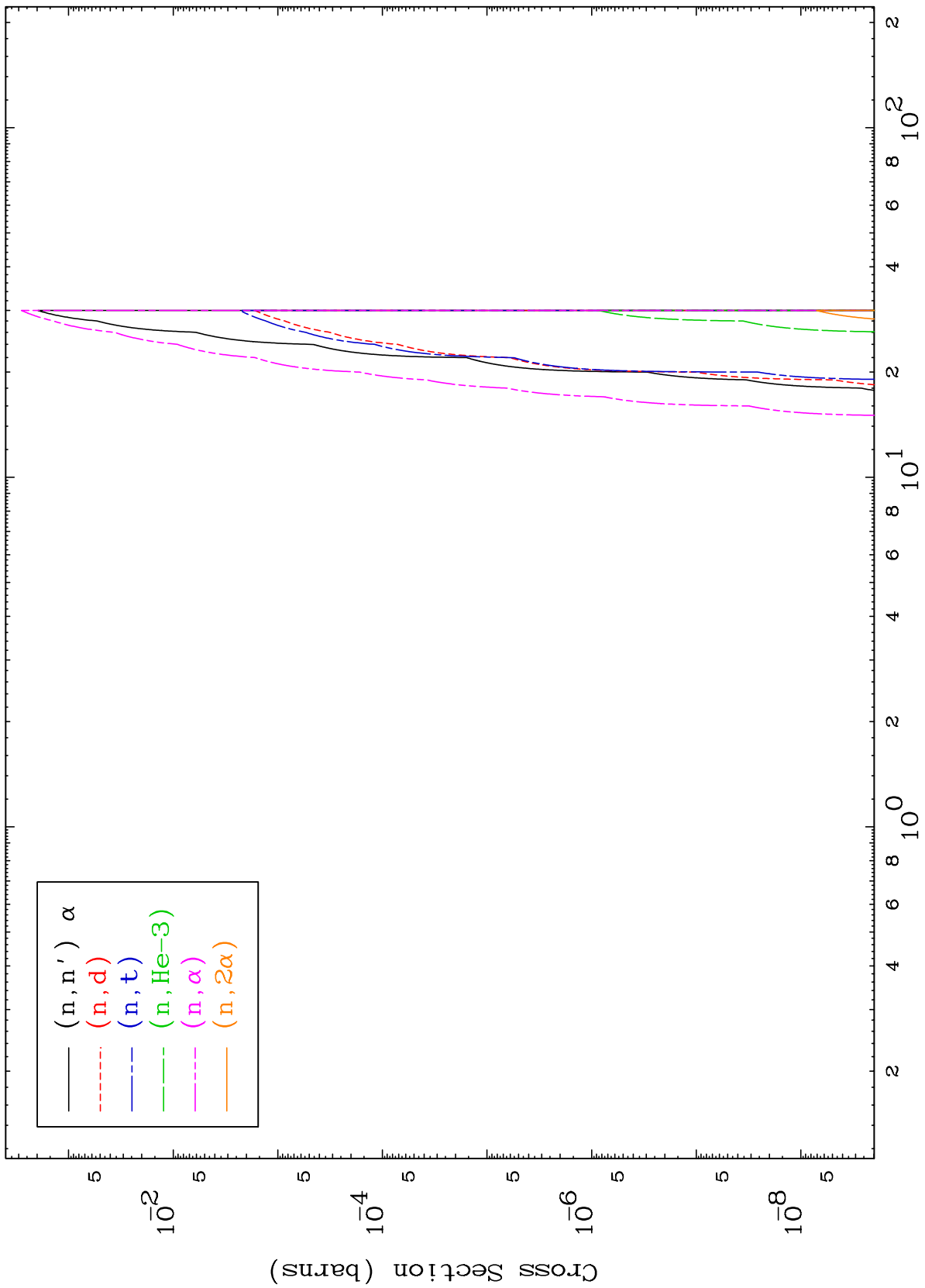


MAT 7242

α Charged Particle
0 Kelvin Cross Sections

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

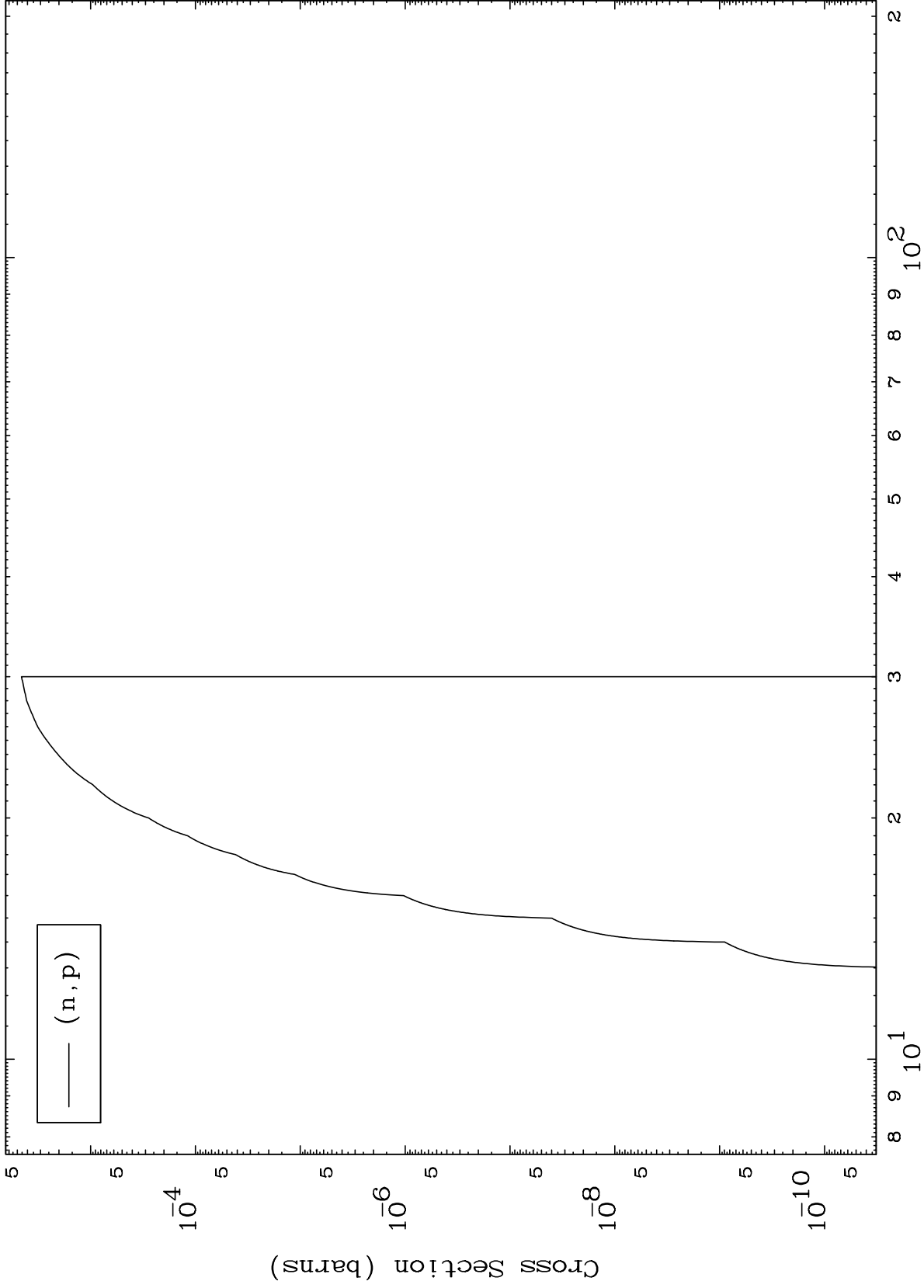




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(α, p) Levels
0 Kelvin Cross Sections

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



Incident Energy (MeV)

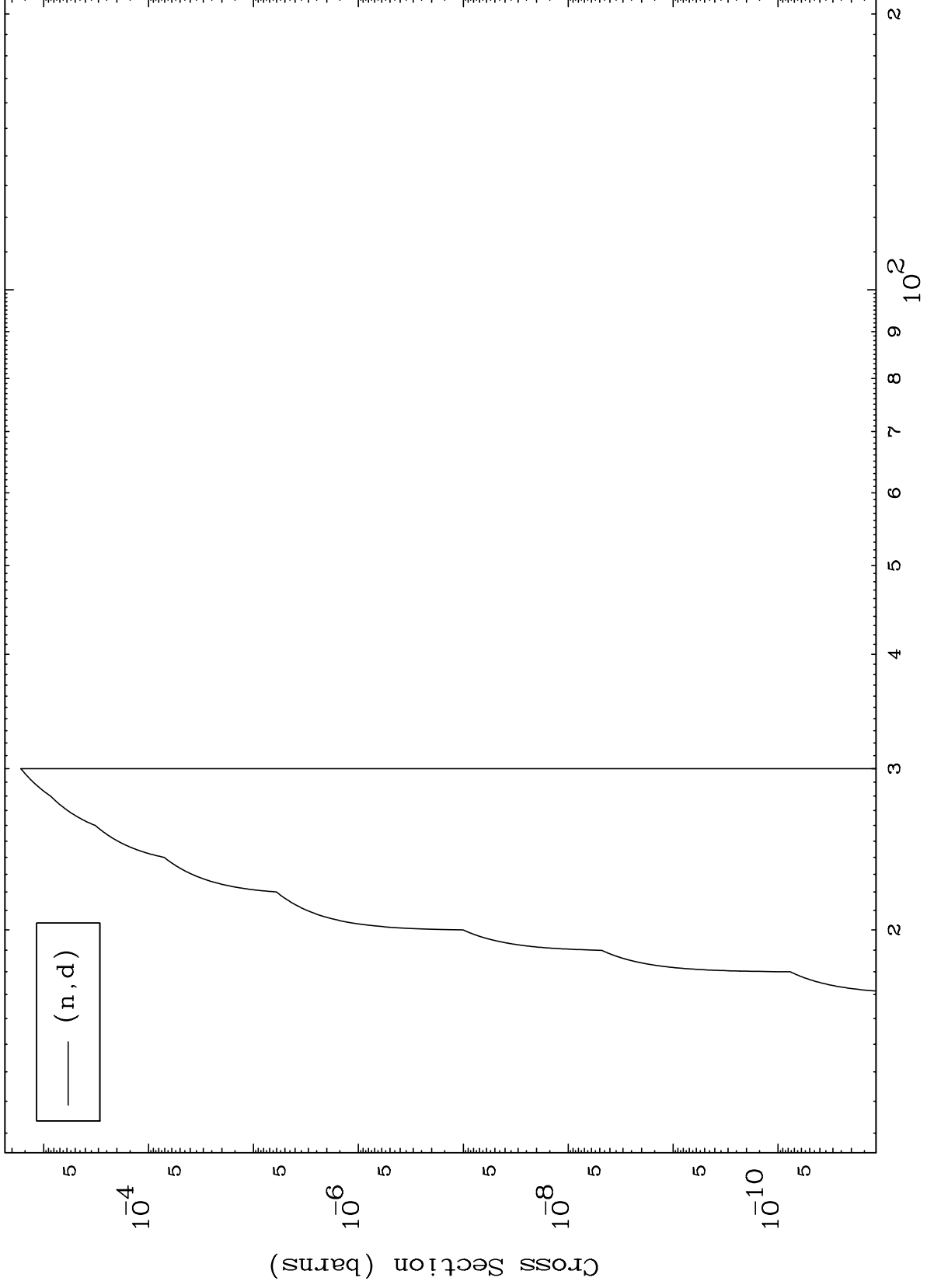
$^{72}\text{Hf}-179\text{n}$

6

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(α, d) Levels
0 Kelvin Cross Sections

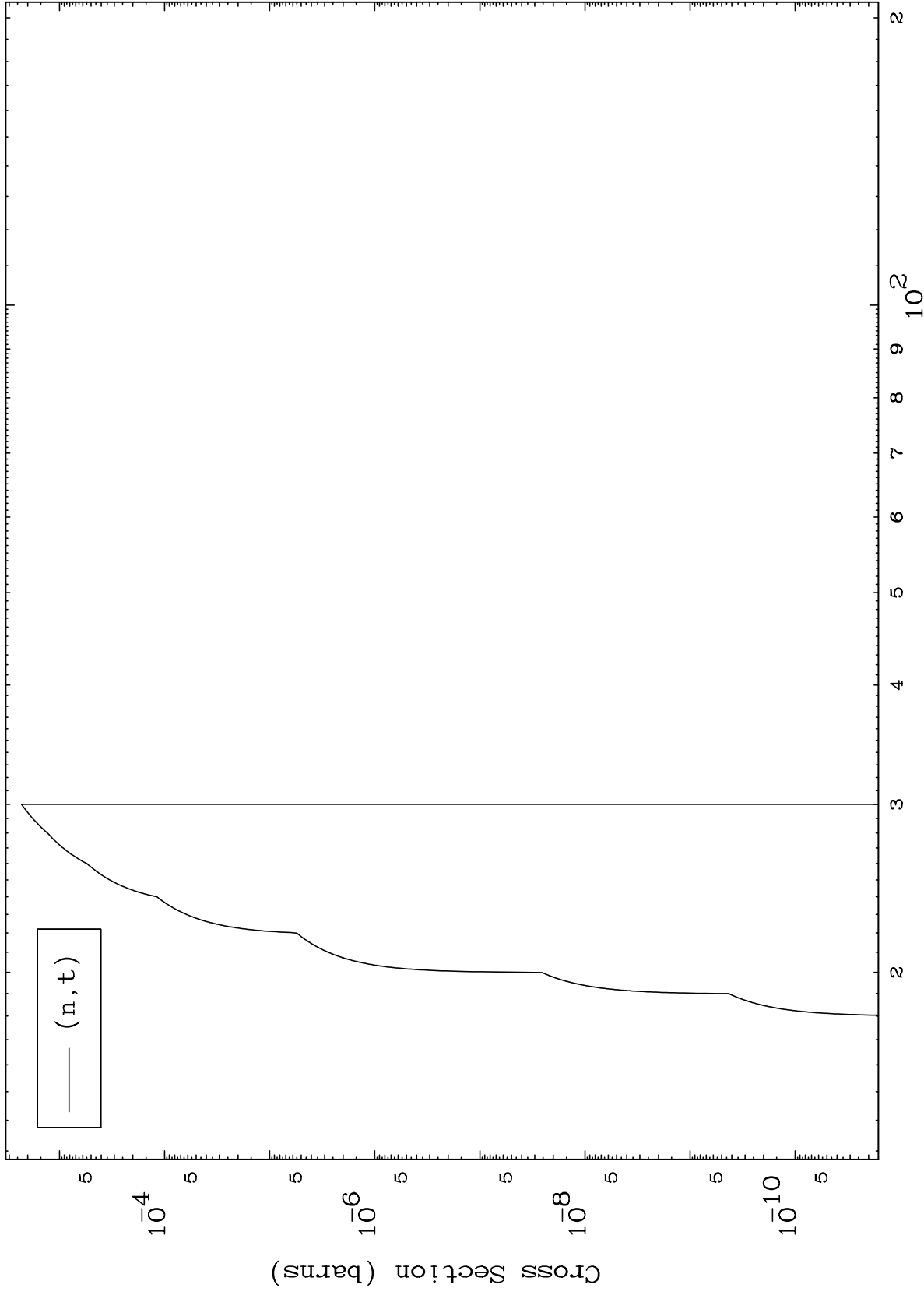
$^{72}\text{Hf}-179\text{n}$



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(α, t) Levels
0 Kelvin Cross Sections

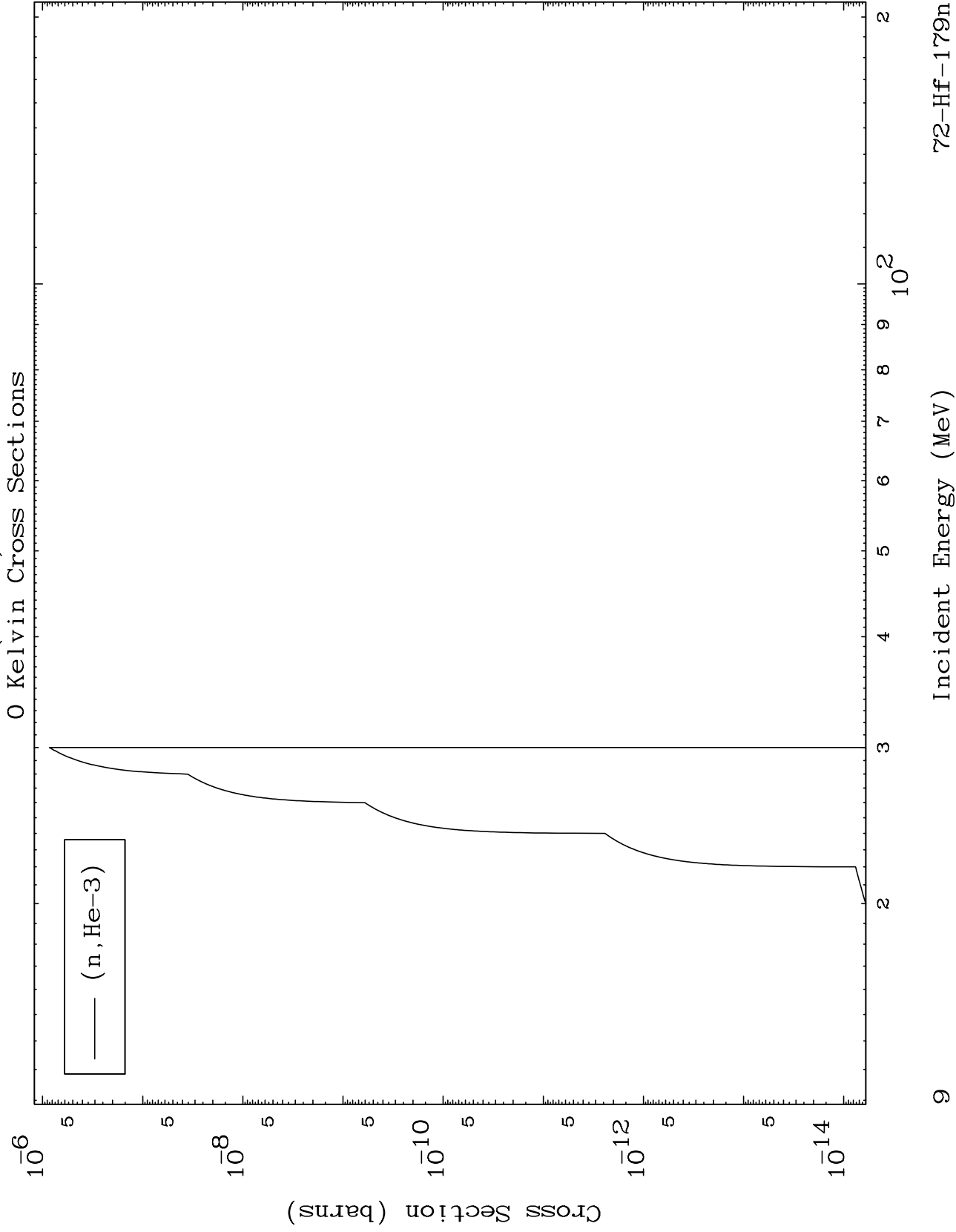
$^{72}\text{Hf}-179\text{n}$



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($\alpha, \text{He}3$) Levels

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

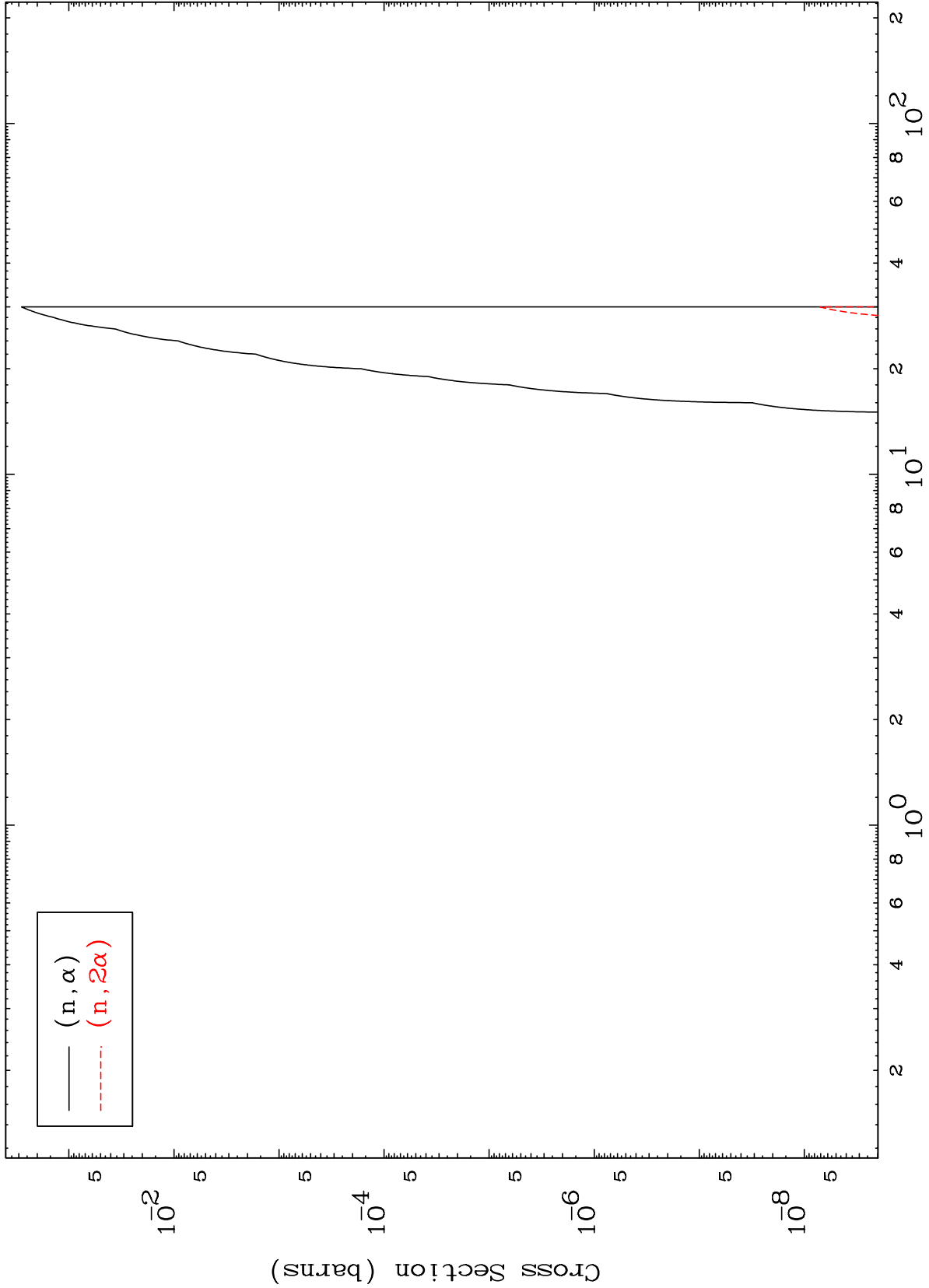


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(α, α) Levels

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

0 Kelvin Cross Sections



— (n, α)
- - - ($n, 2\alpha$)

10

Incident Energy (MeV)

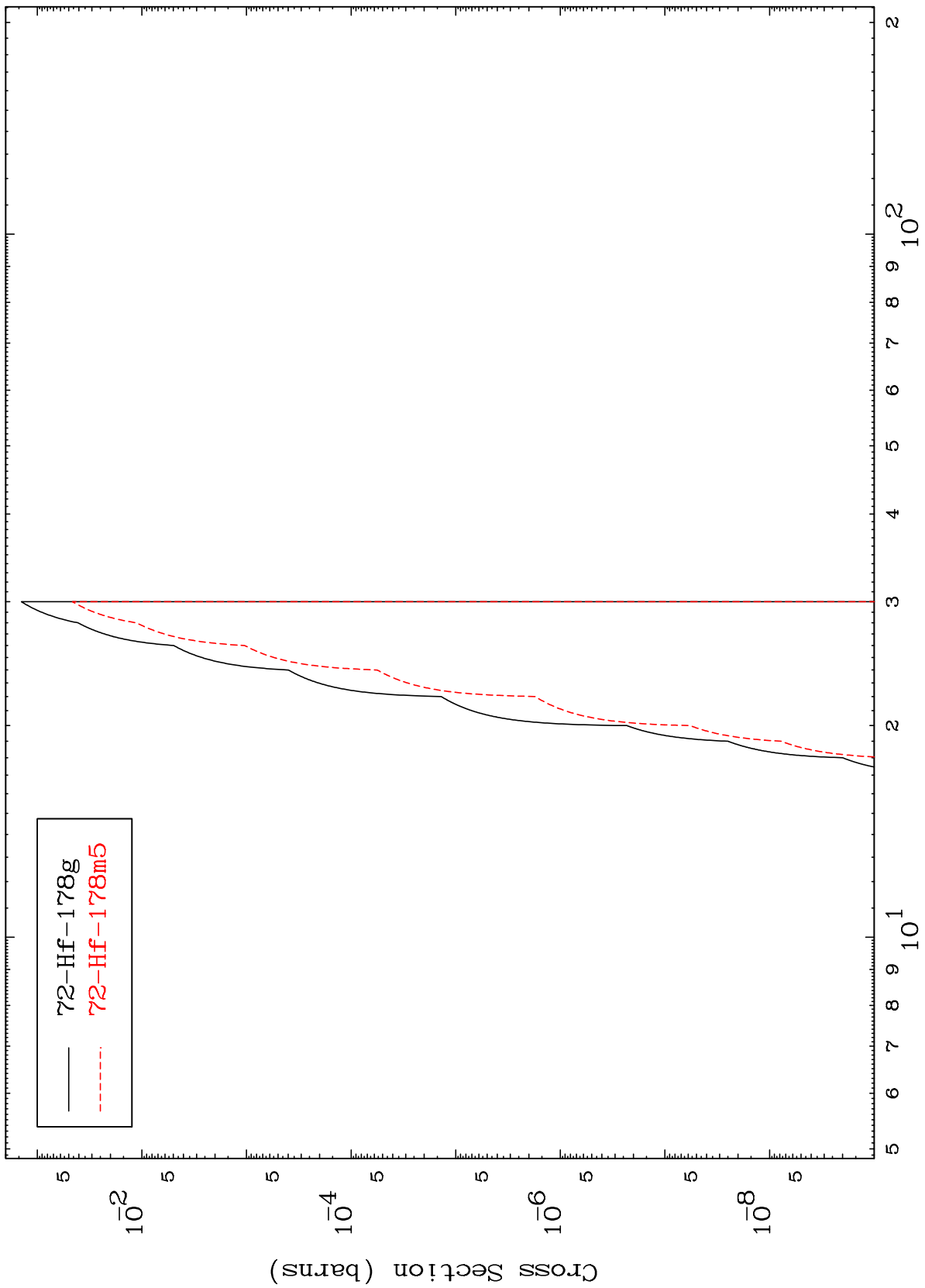
$^{72}\text{Hf}-179\text{n}$

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$(n, n') \alpha$

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

Radionuclide Production Cross Section



11

Incident Energy (MeV)

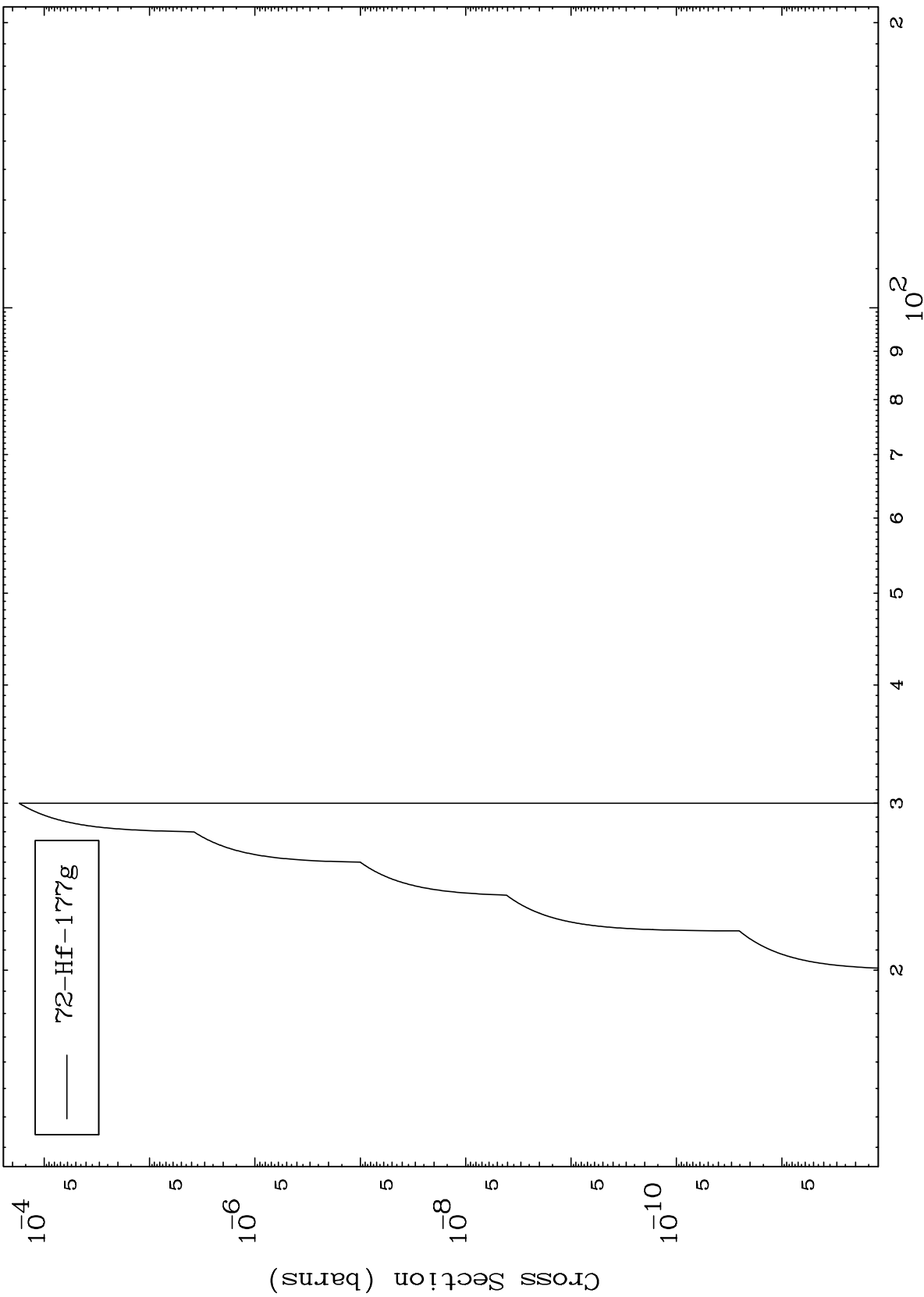
$^{72}\text{Hf}-179\text{n}$

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(n,2n) α

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

Radionuclide Production Cross Section

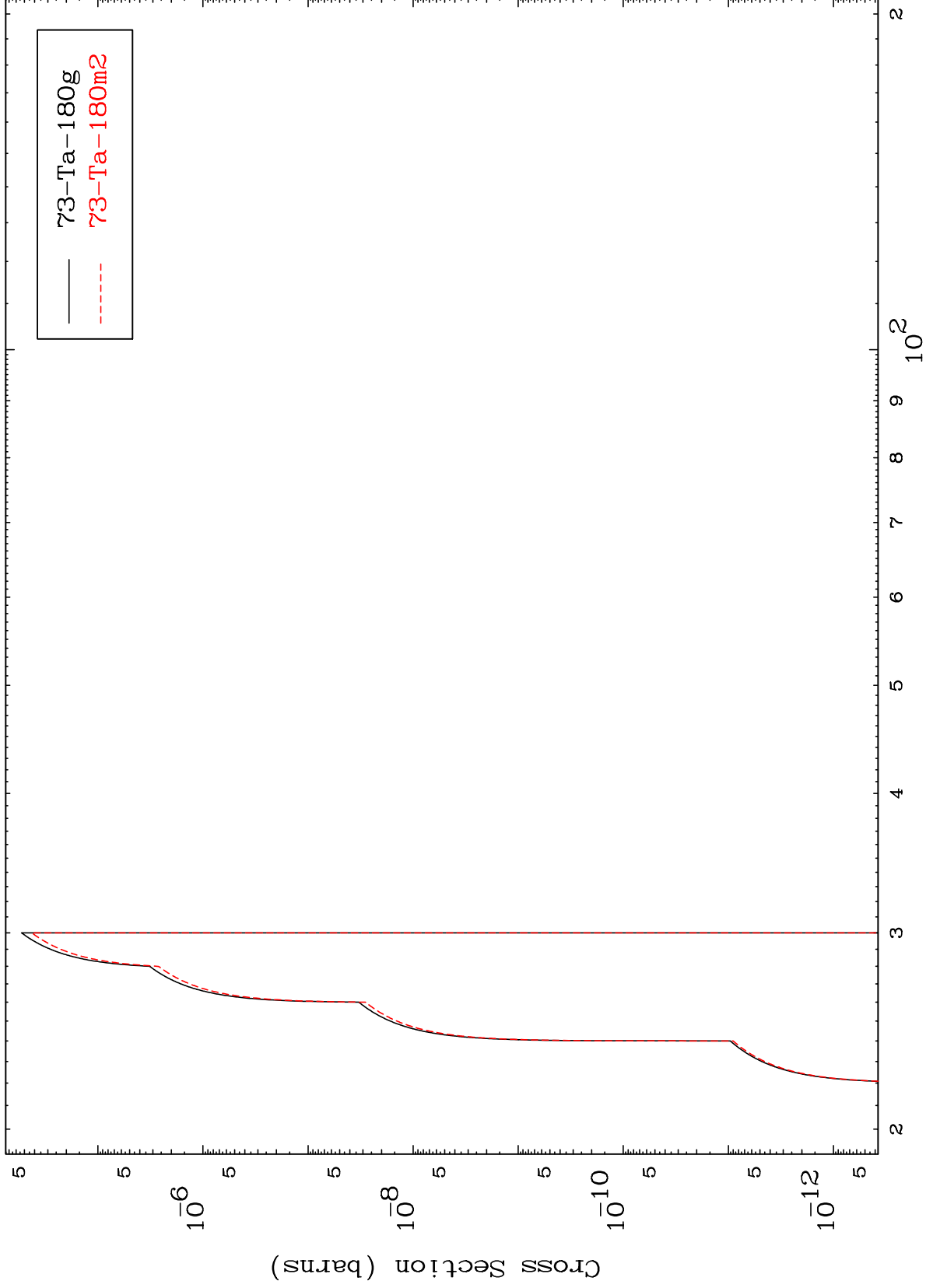


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(n,n') d

⁷²Hf-¹⁷⁹n

Radionuclide Production Cross Section



13

Incident Energy (MeV)

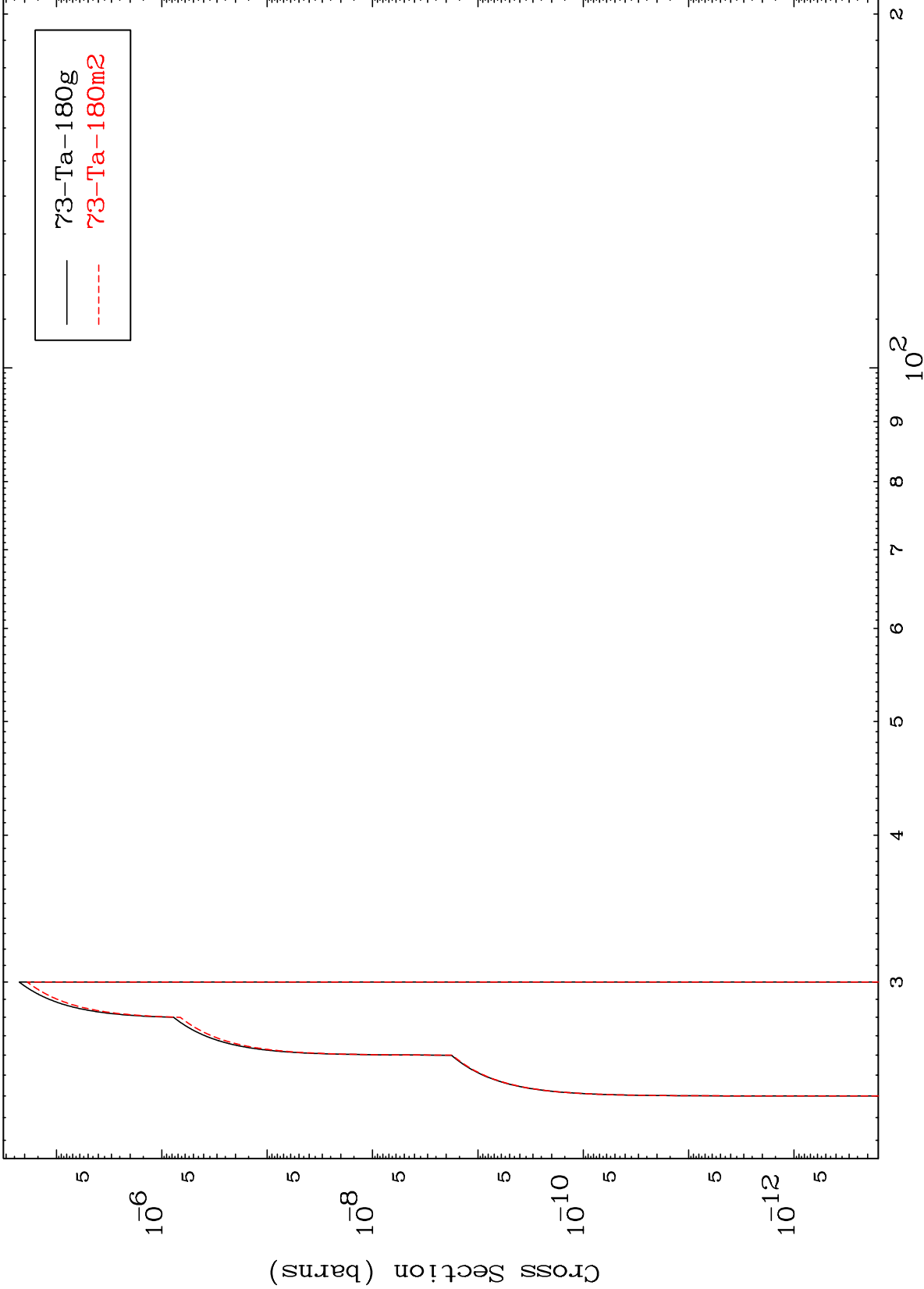
⁷²Hf-¹⁷⁹n

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(n,2n) p

⁷²Hf-179n

Radionuclide Production Cross Section



14

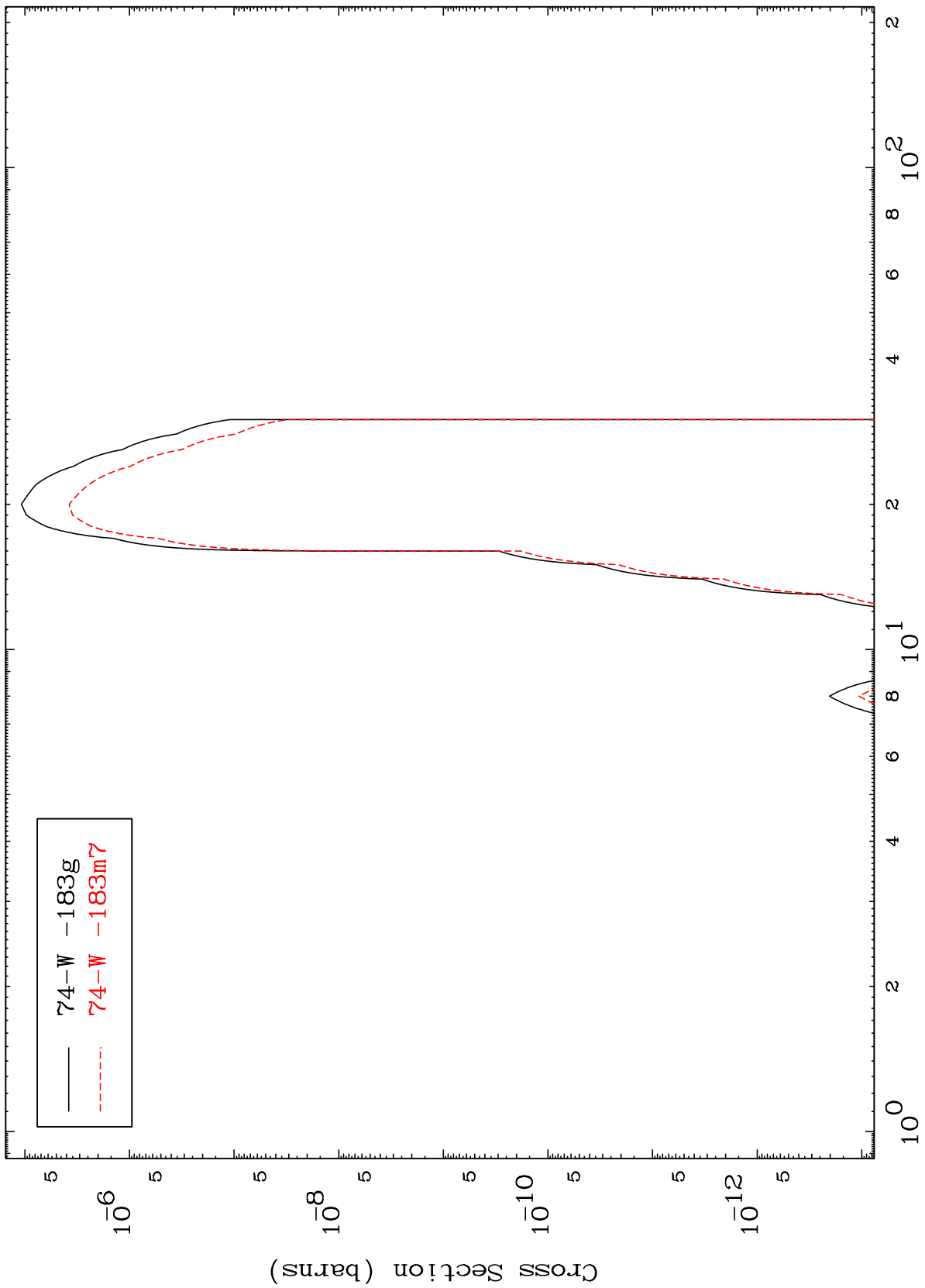
Incident Energy (MeV)

⁷²Hf-179n

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⁷²Hf-179n

(n,γ)
Radionuclide Production Cross Section



Incident Energy (MeV)

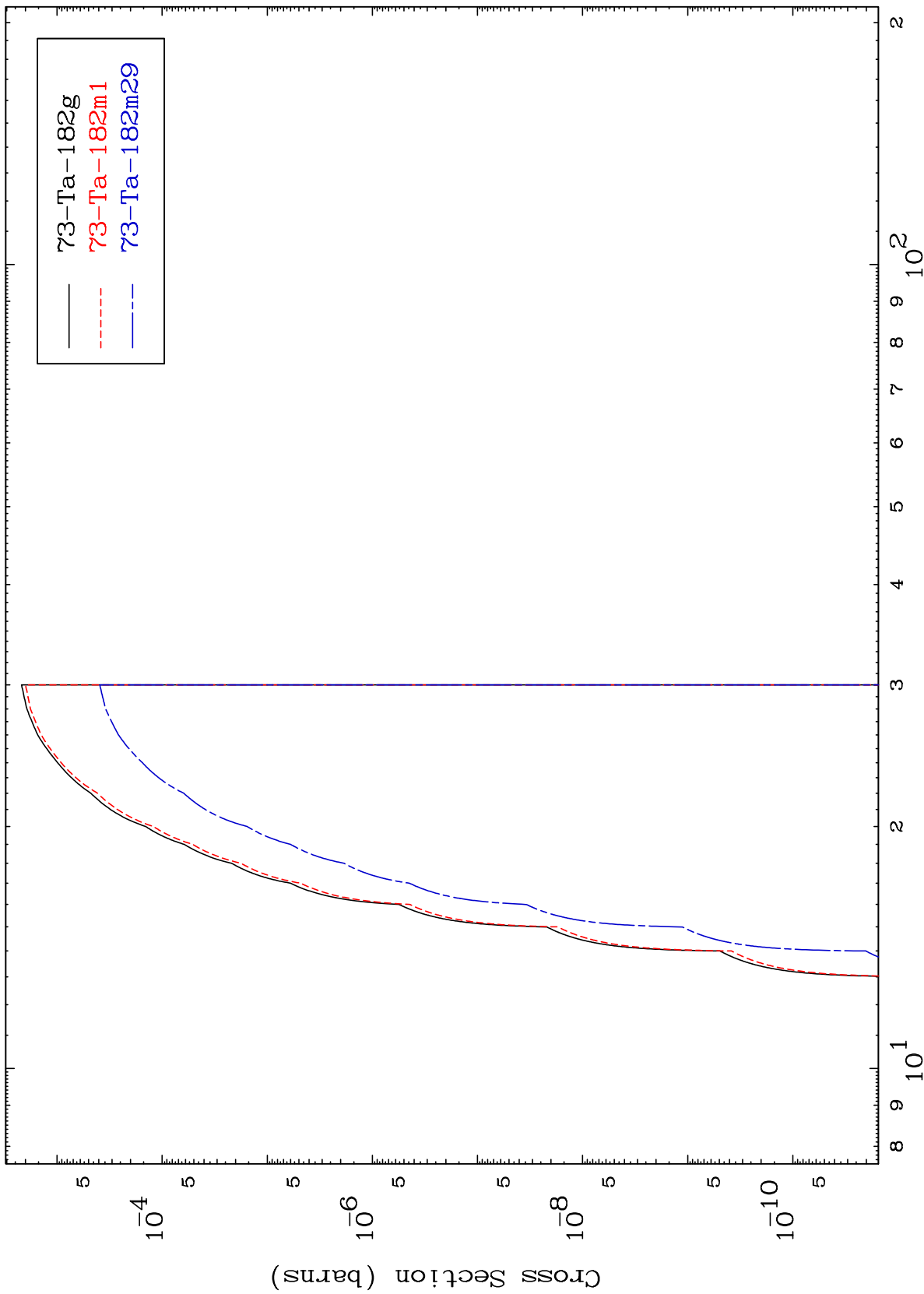
⁷²Hf-179n

15

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⁷²Hf-179n

(n,p)
Radionuclide Production Cross Section



⁷²Hf-179n

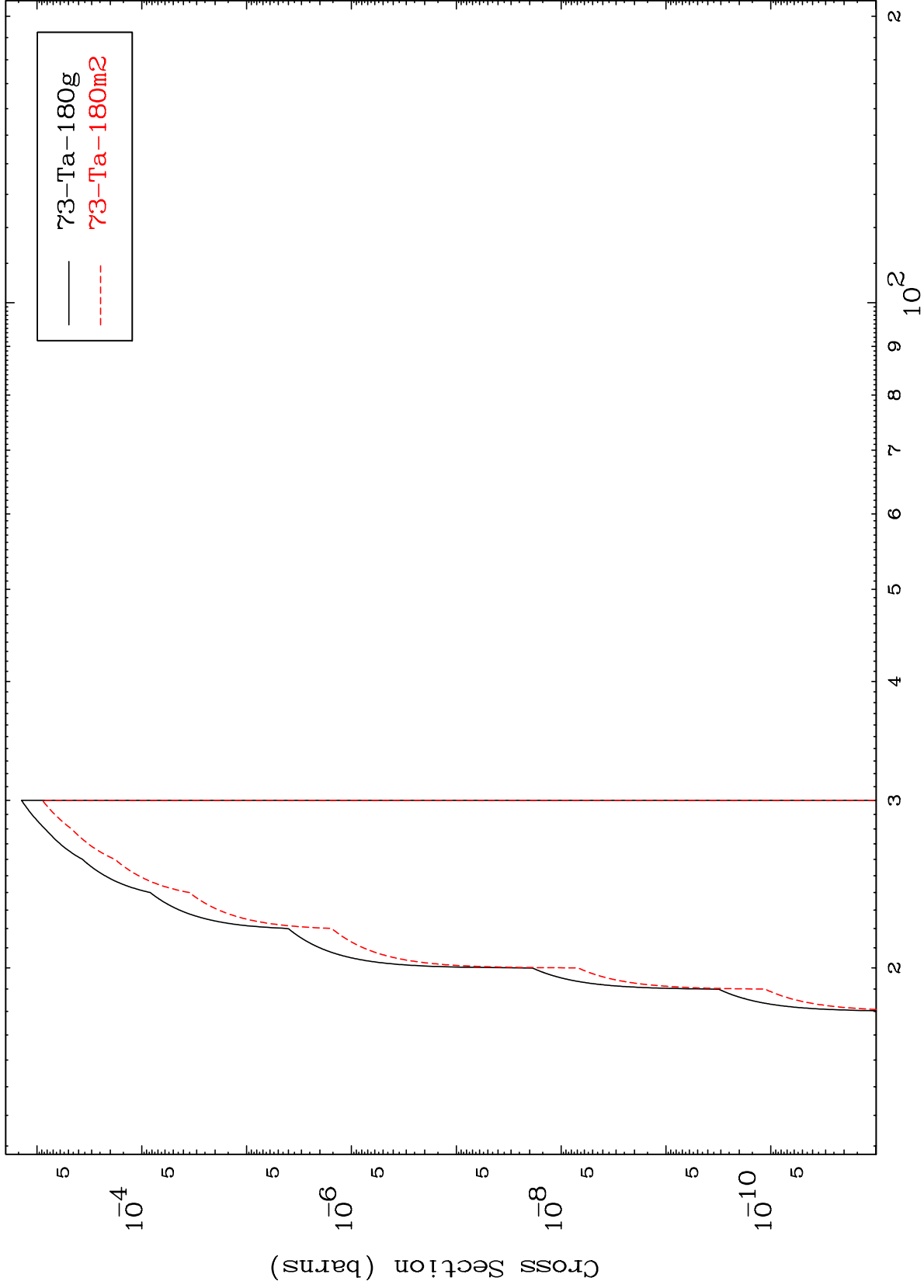
Incident Energy (MeV)

16

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⁷²Hf-179n

(n,t)
Radionuclide Production Cross Section



17

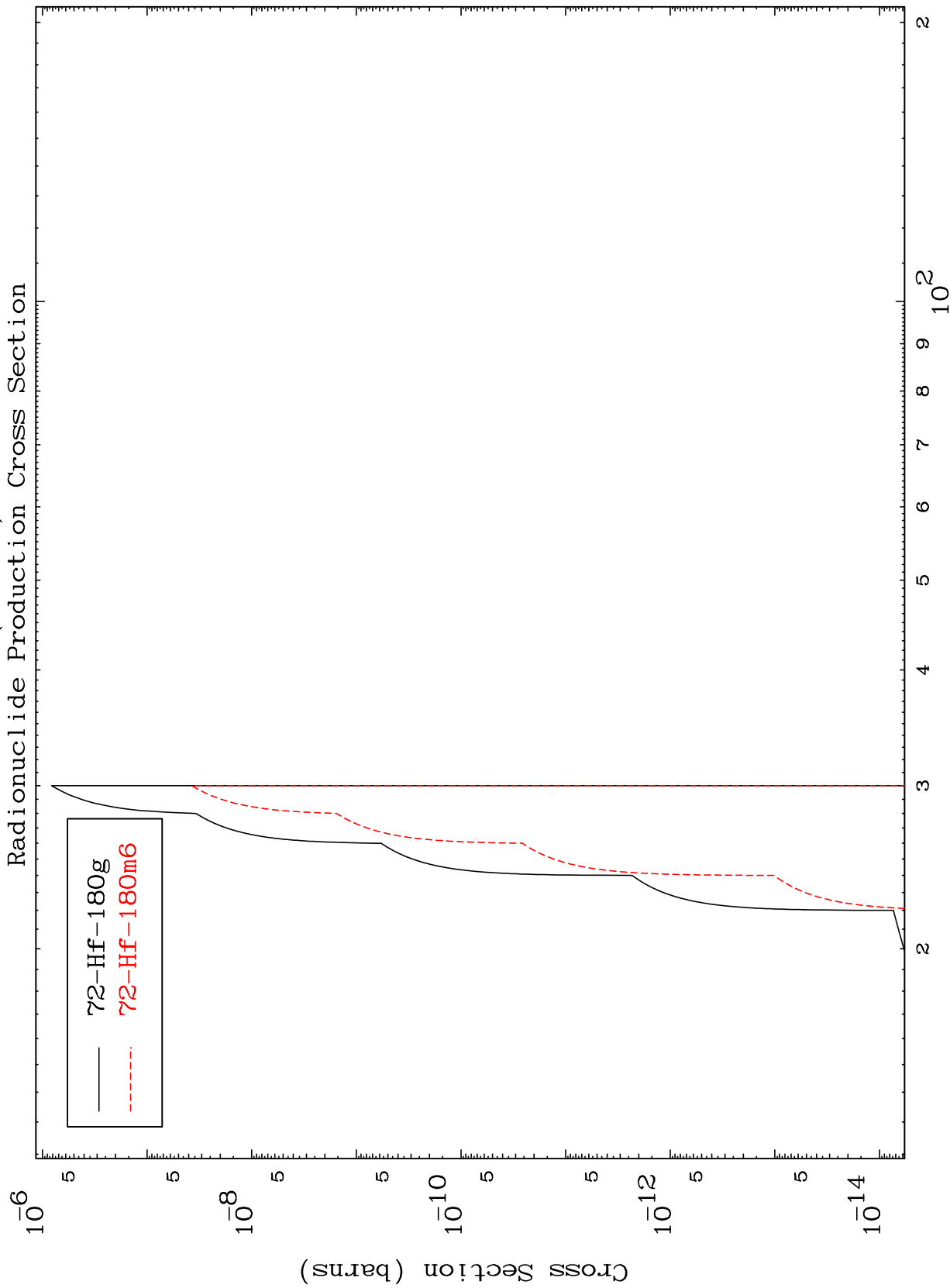
Incident Energy (MeV)

⁷²Hf-179n

MAT 7242

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

Radionuclide Production Cross Section
(n,He-3)



18

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

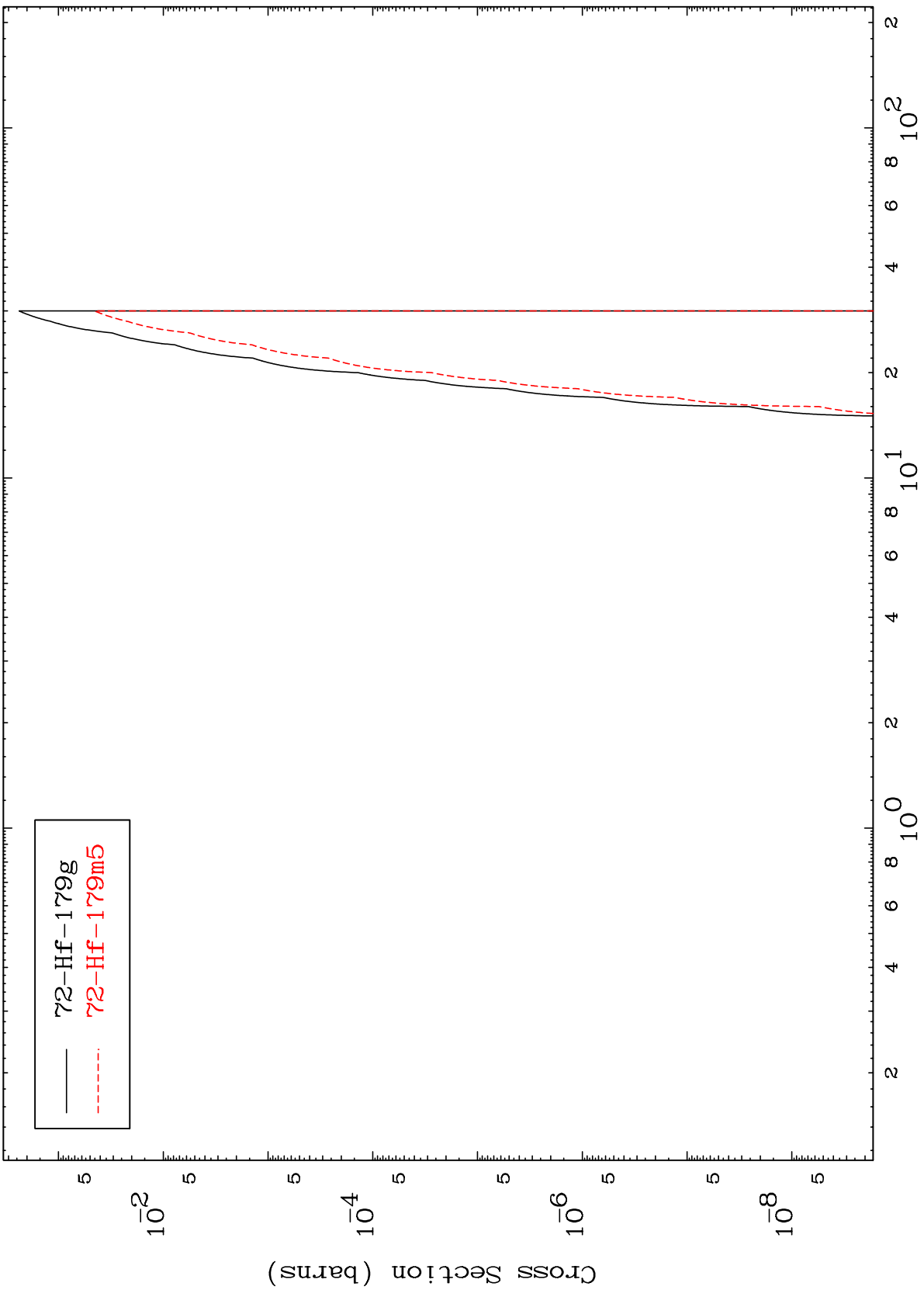
Incident Energy (MeV)

MAT 7242

(n, α)

⁷²Hf-179n

Radionuclide Production Cross Section



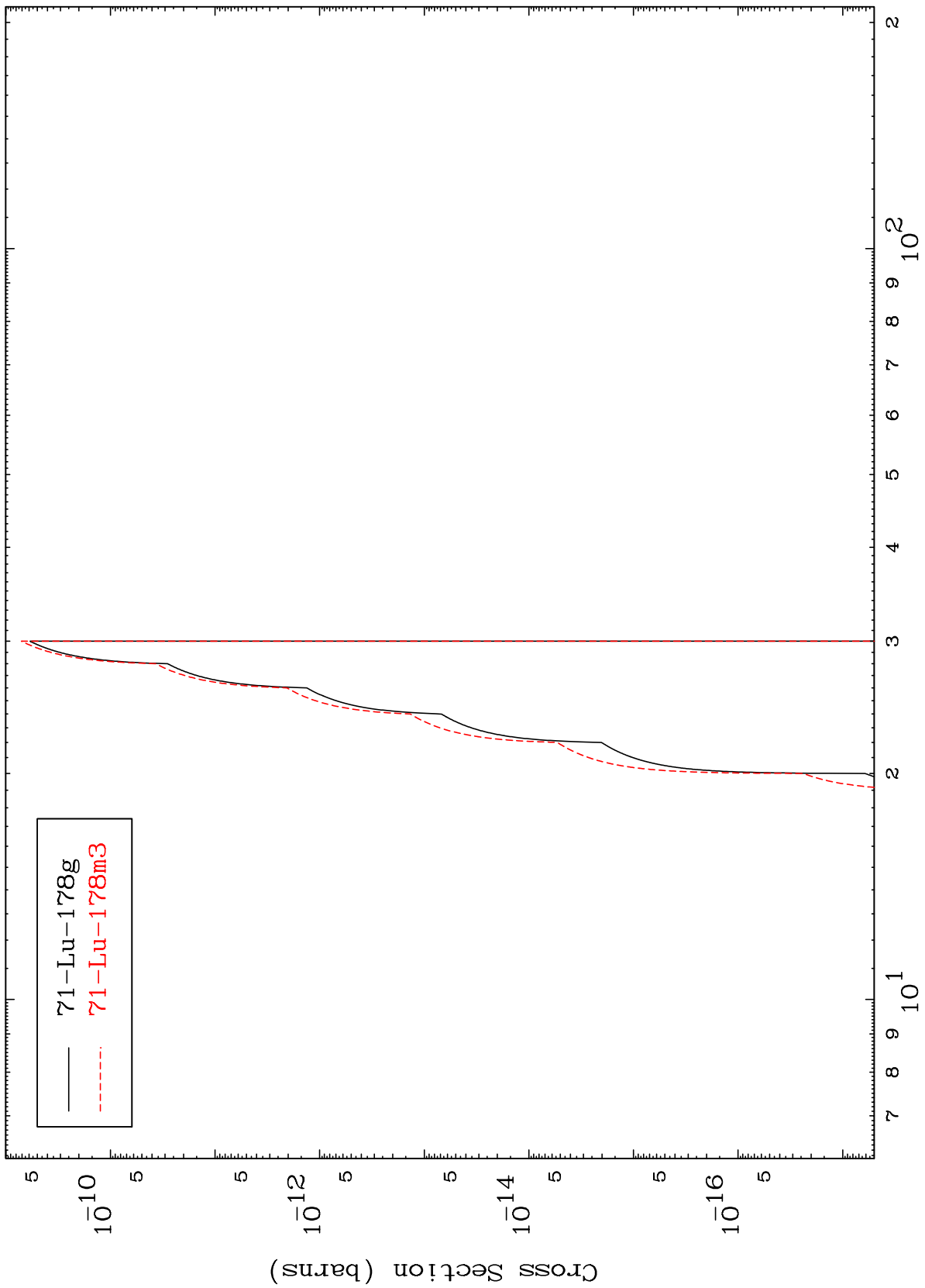
— 72-Hf-179g
- - - 72-Hf-179m5

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(n,p) α

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

Radionuclide Production Cross Section



20

Incident Energy (MeV)

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