

Program EVALPLOT
(Version 2021-1)

by

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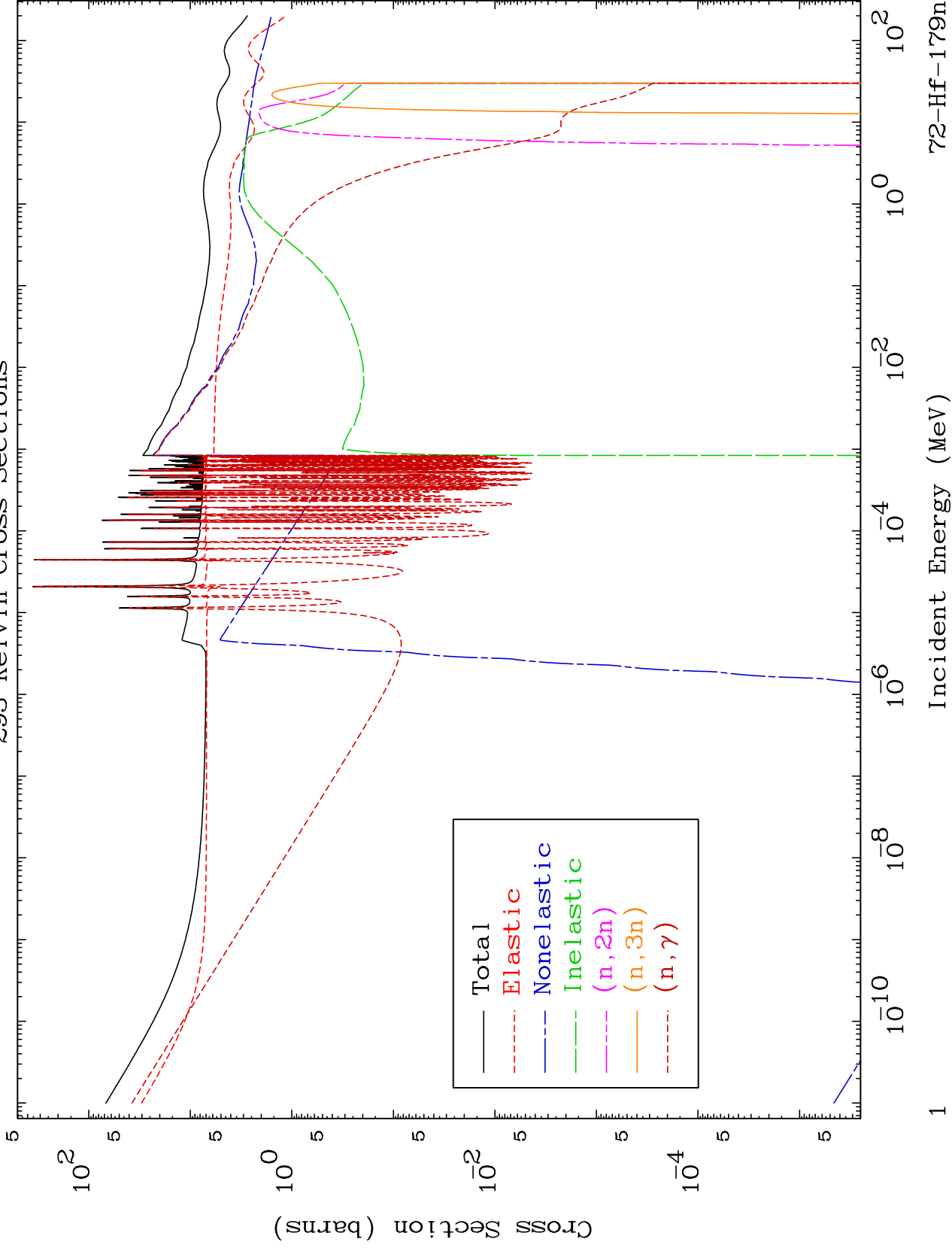
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7242

Neutron Major
293 Kelvin Cross Sections

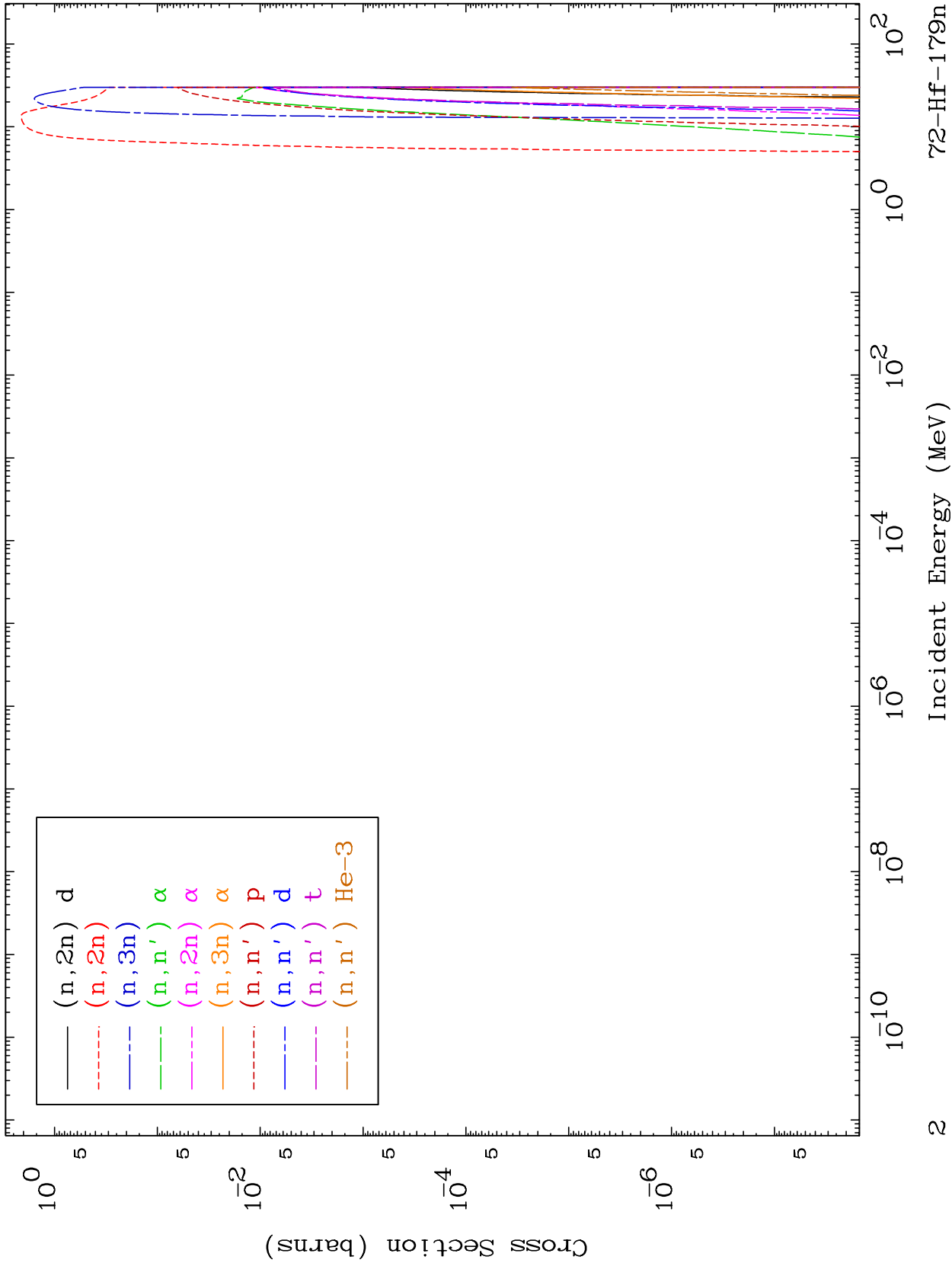
⁷²Hf-179n



MAT 7242

Neutron Absorption
293 Kelvin Cross Sections

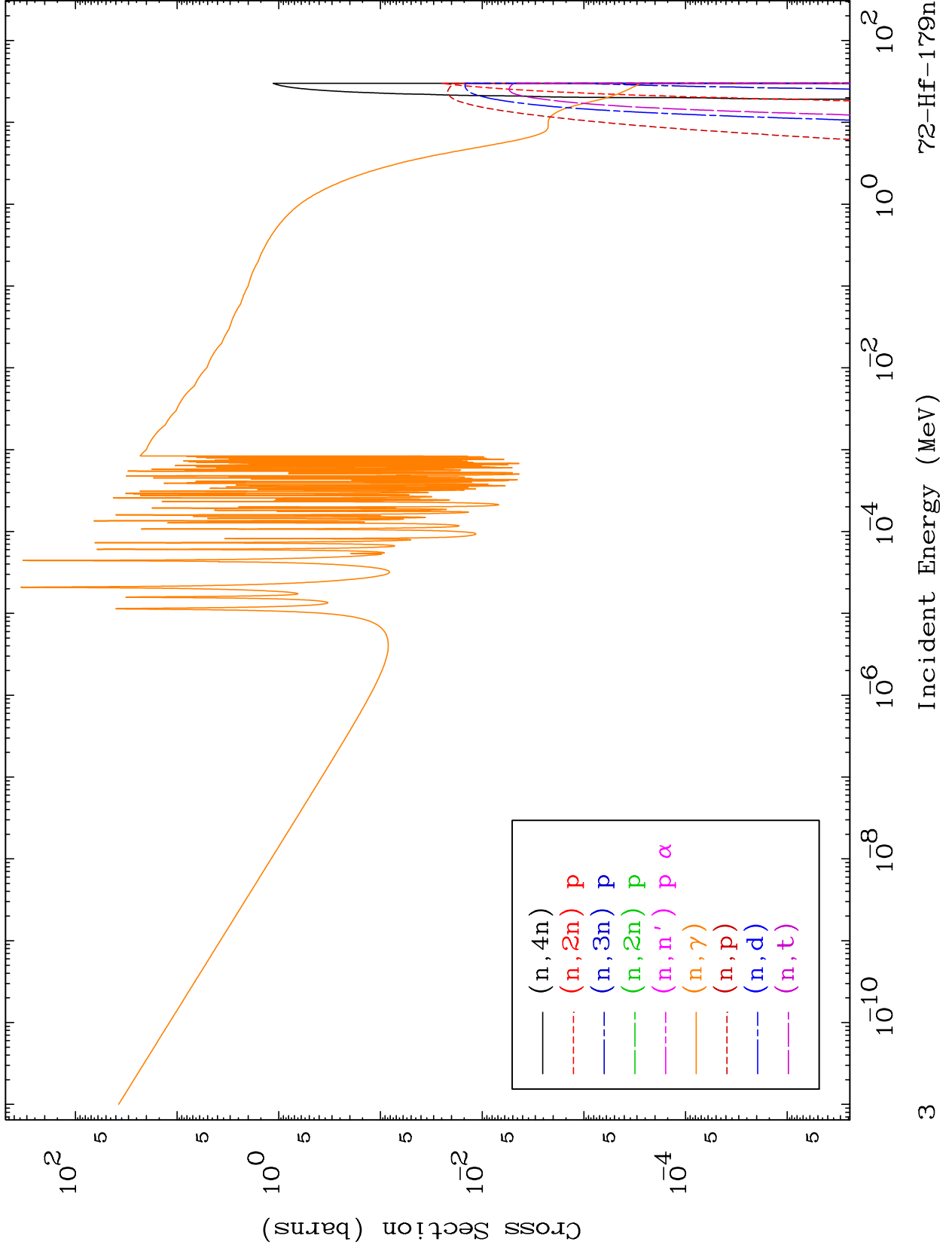
72-Hf-179n



MAT 7242

Neutron Absorption
293 Kelvin Cross Sections

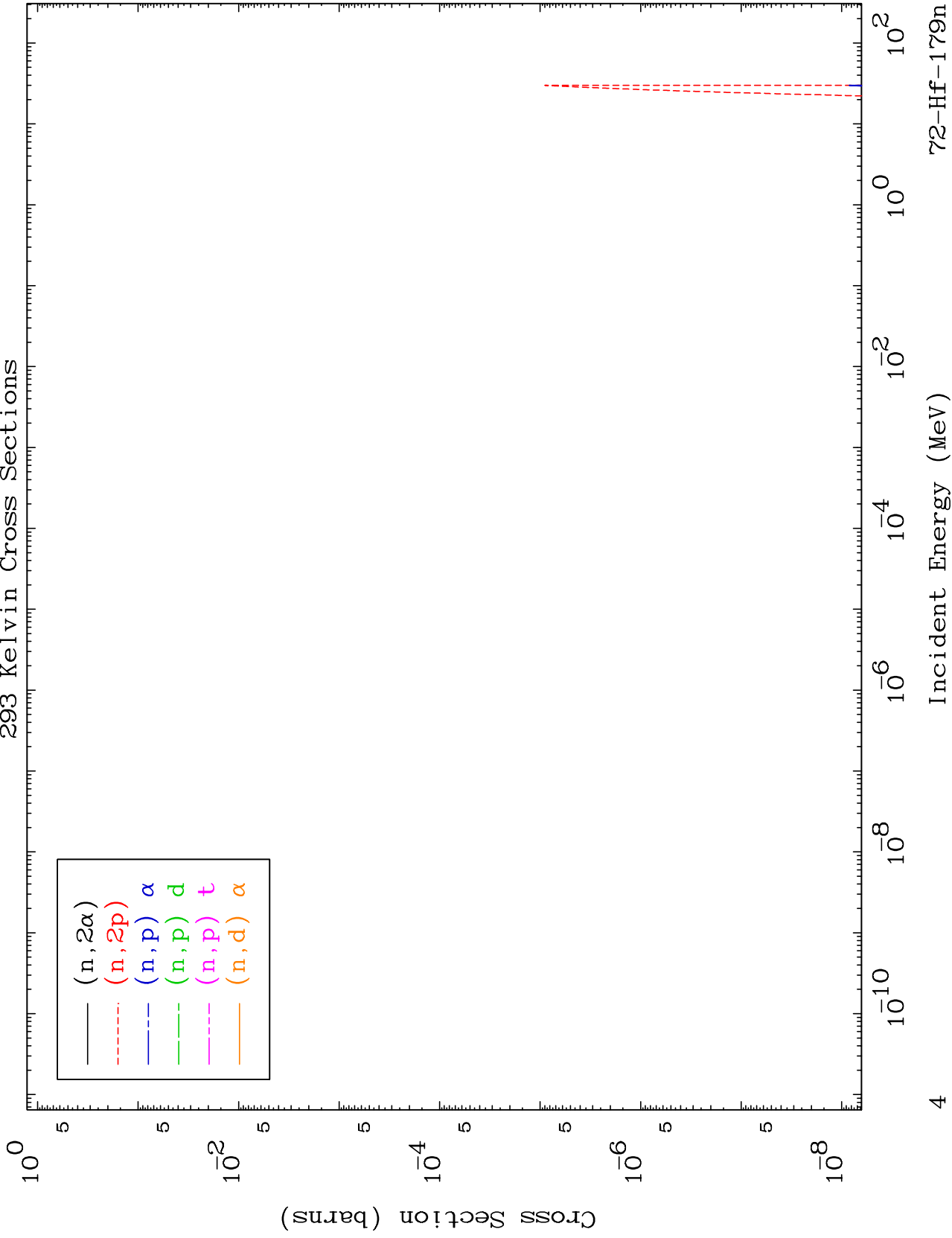
⁷²Hf-179n



MAT 7242

Neutron Absorption
293 Kelvin Cross Sections

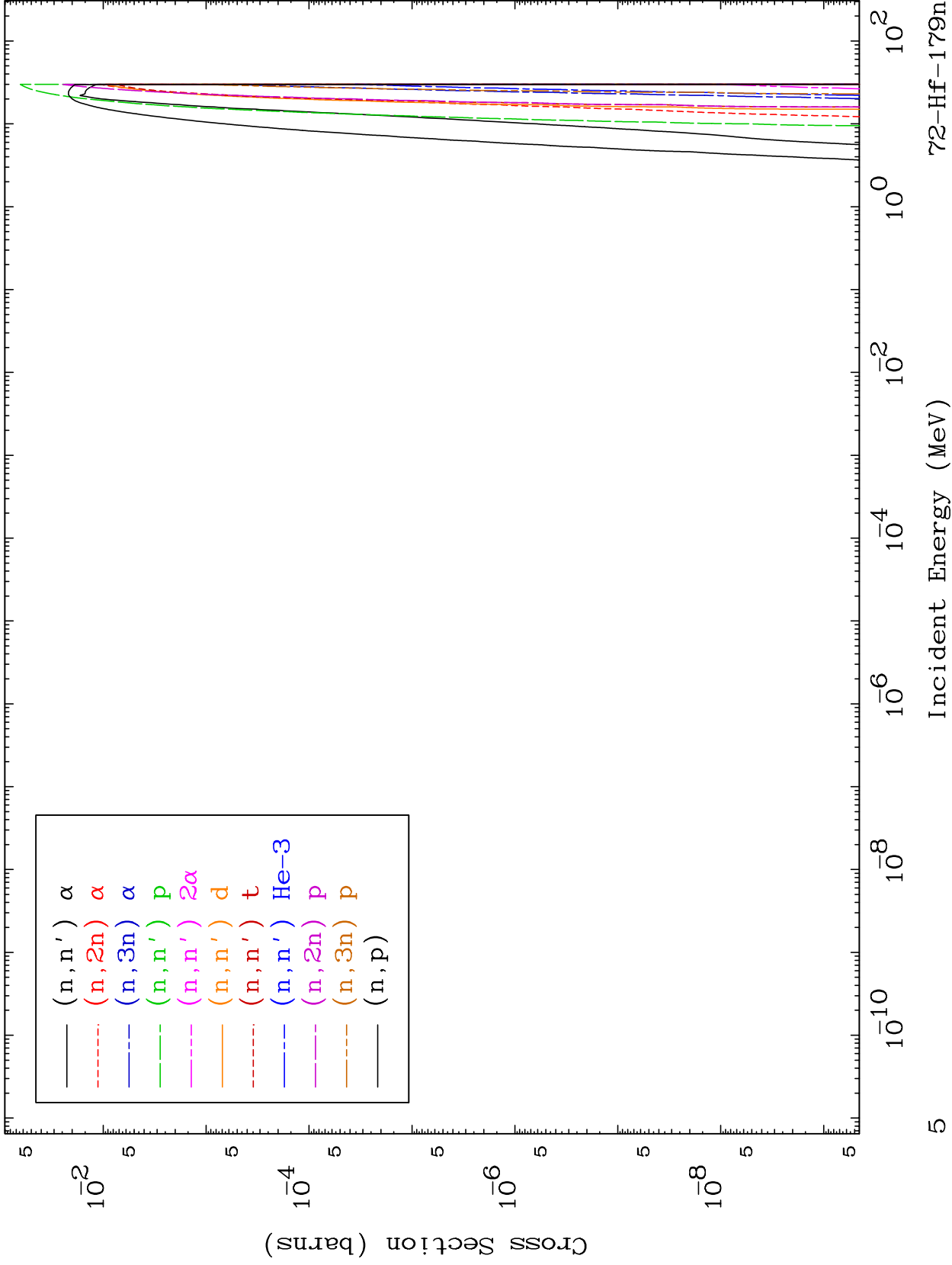
⁷²Hf-179n



MAT 7242

Charged Particle
293 Kelvin Cross Sections

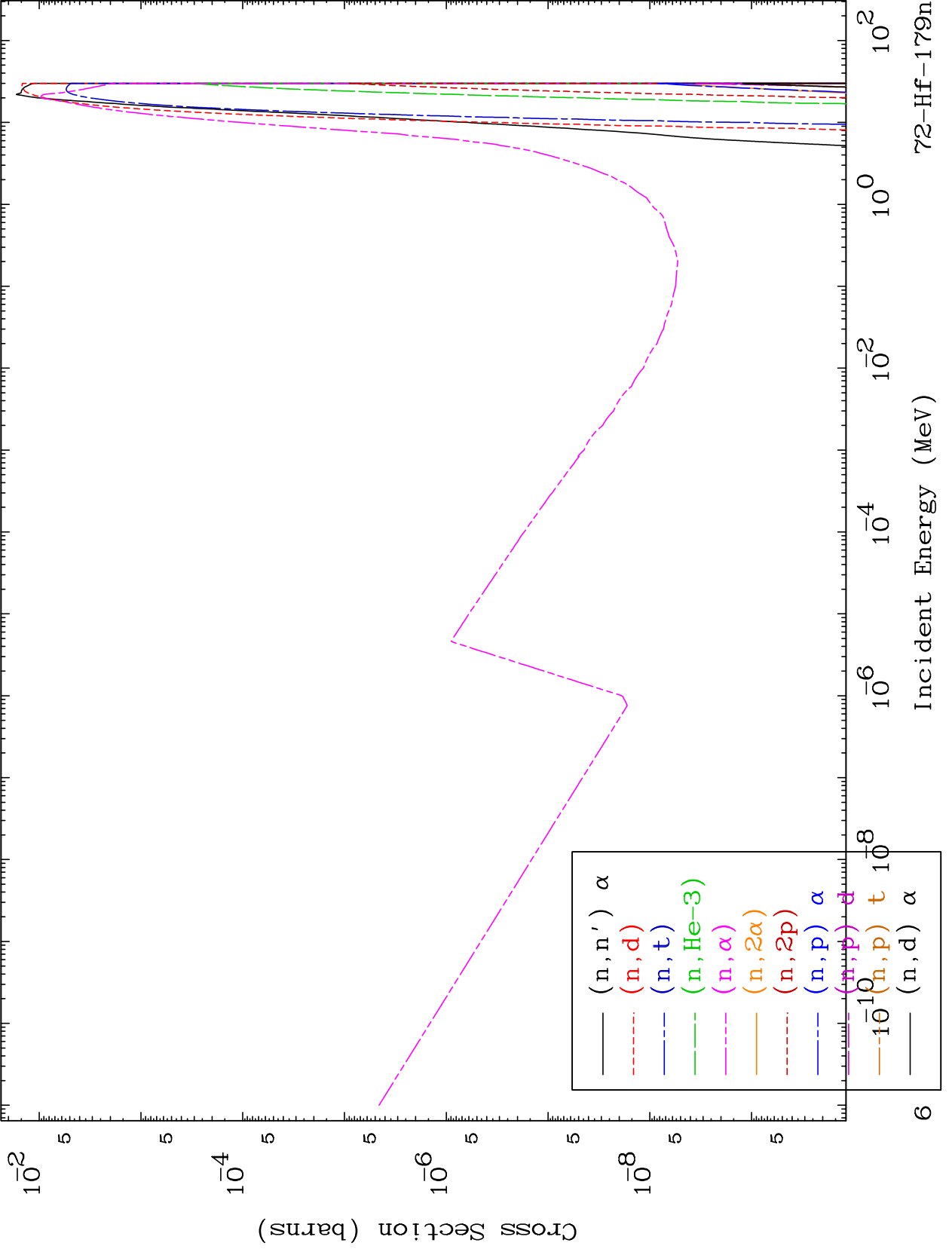
72-Hf-179n



MAT 7242

Charged Particle
293 Kelvin Cross Sections

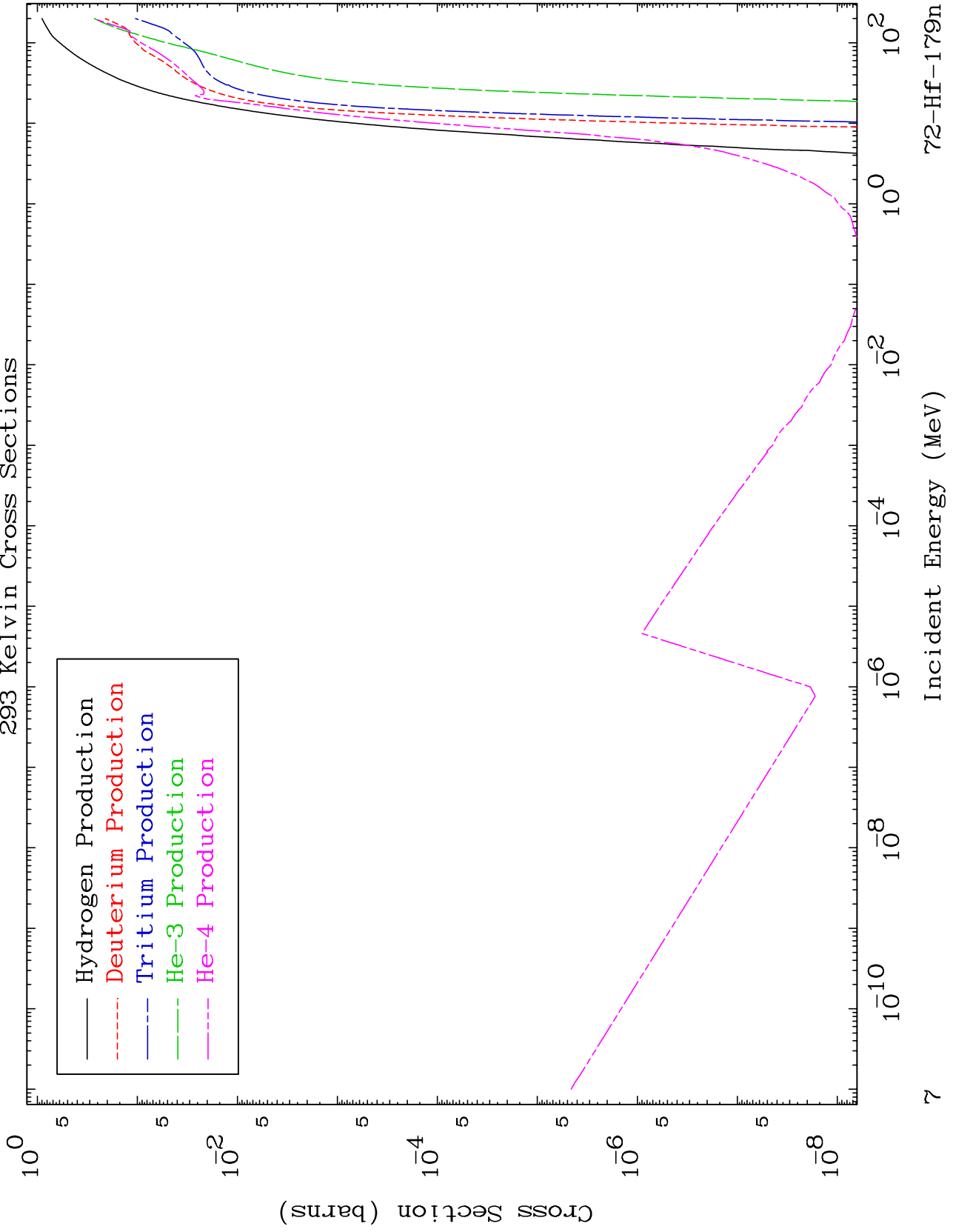
⁷²Hf-179n



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Particle Production
293 Kelvin Cross Sections

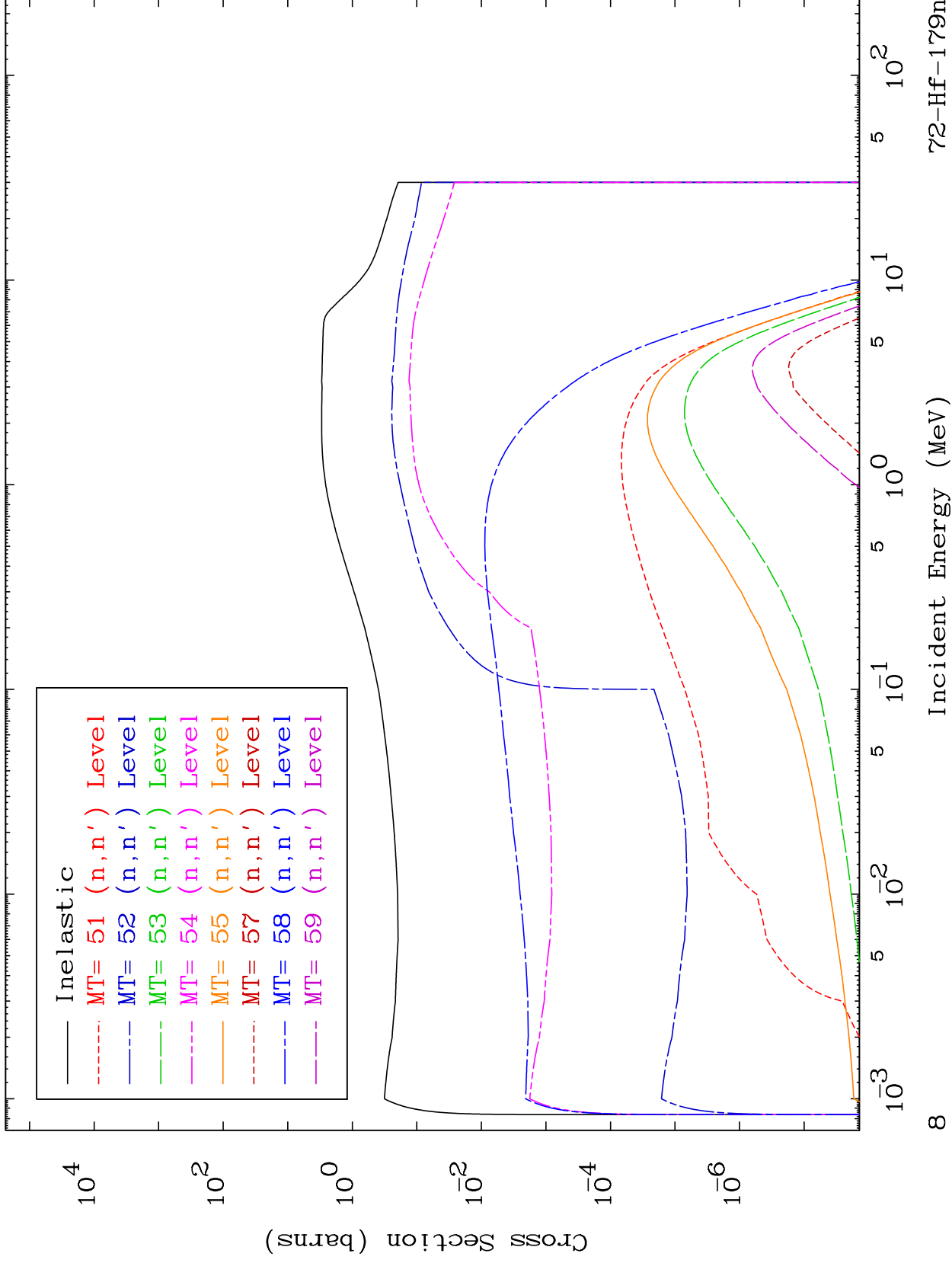
72-Hf-179n



MAT 7242

(n,n') Levels
293 Kelvin Cross Sections

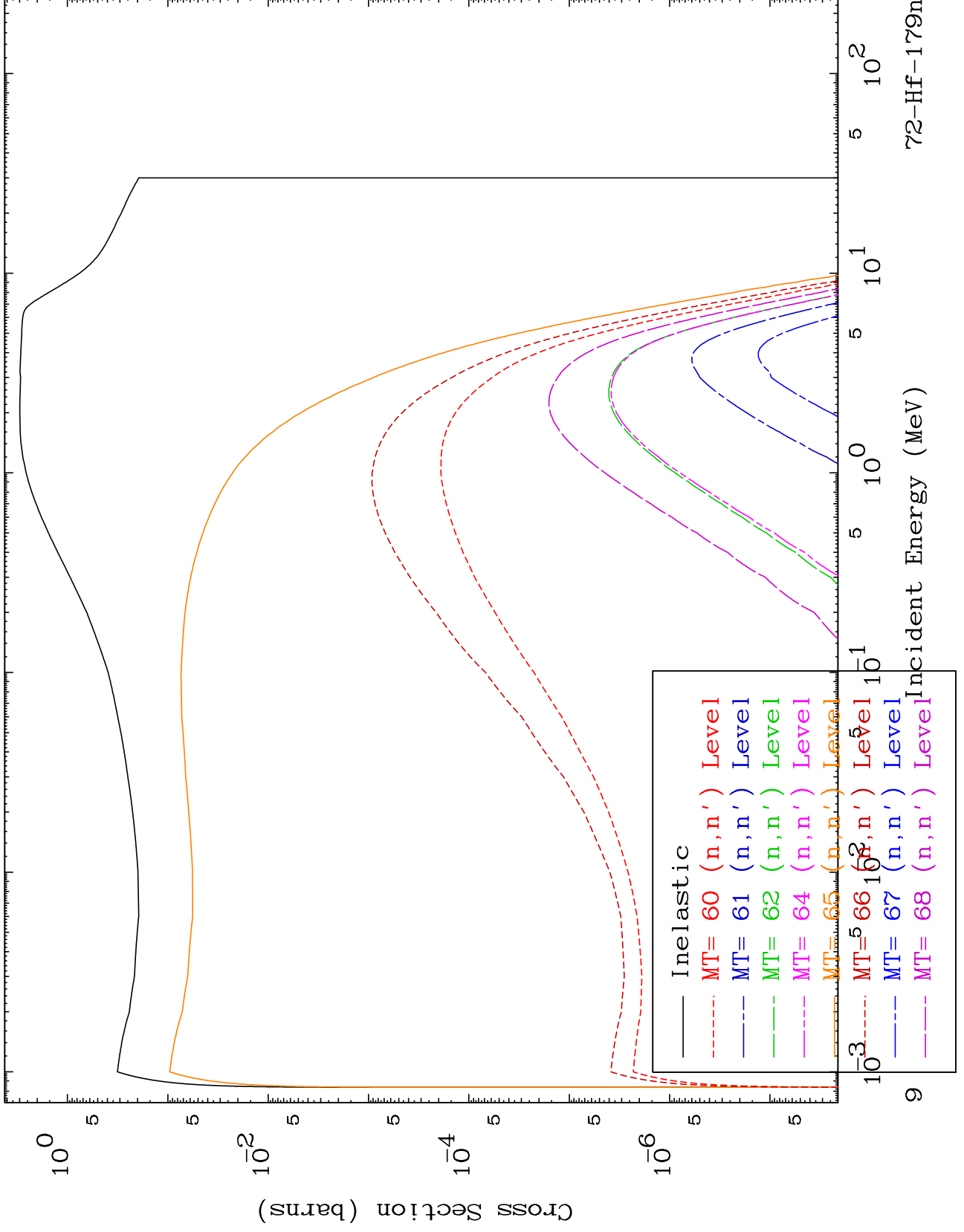
72-Hf-179n



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(n,n') Levels
293 Kelvin Cross Sections

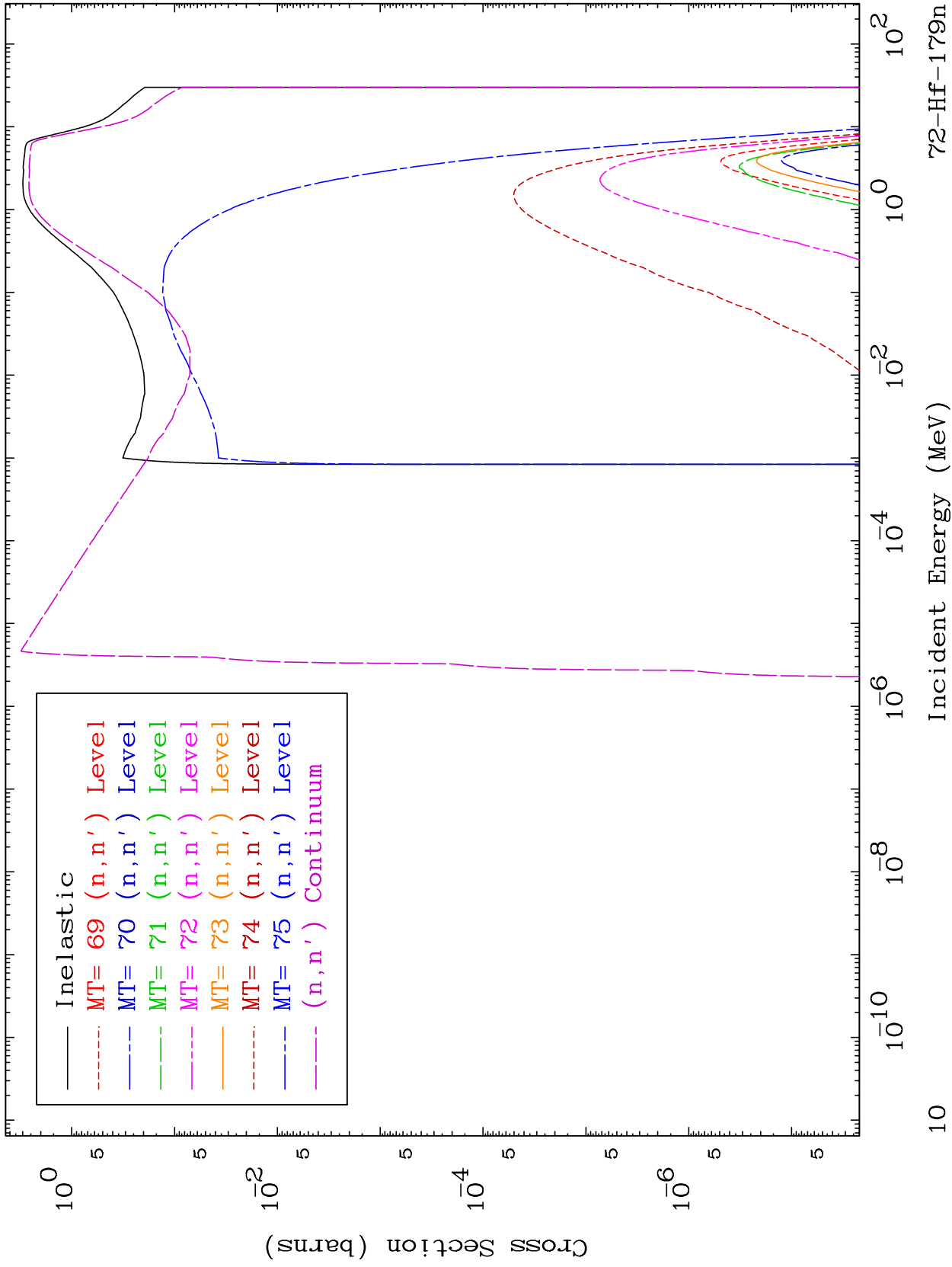
⁷²Hf-179n



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293 Kelvin Cross Sections

⁷²Hf-179n

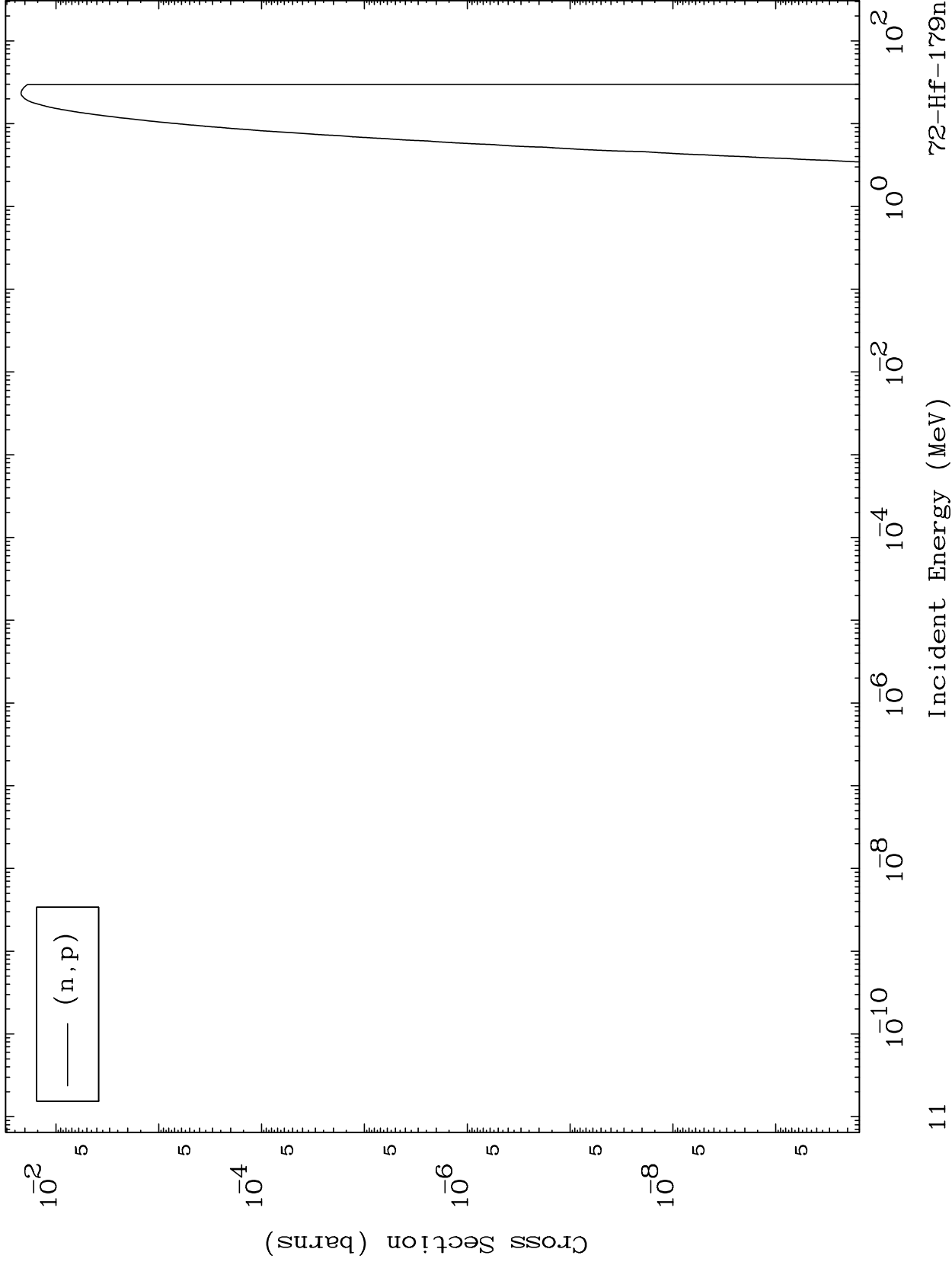


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(n,p) Levels
293 Kelvin Cross Sections

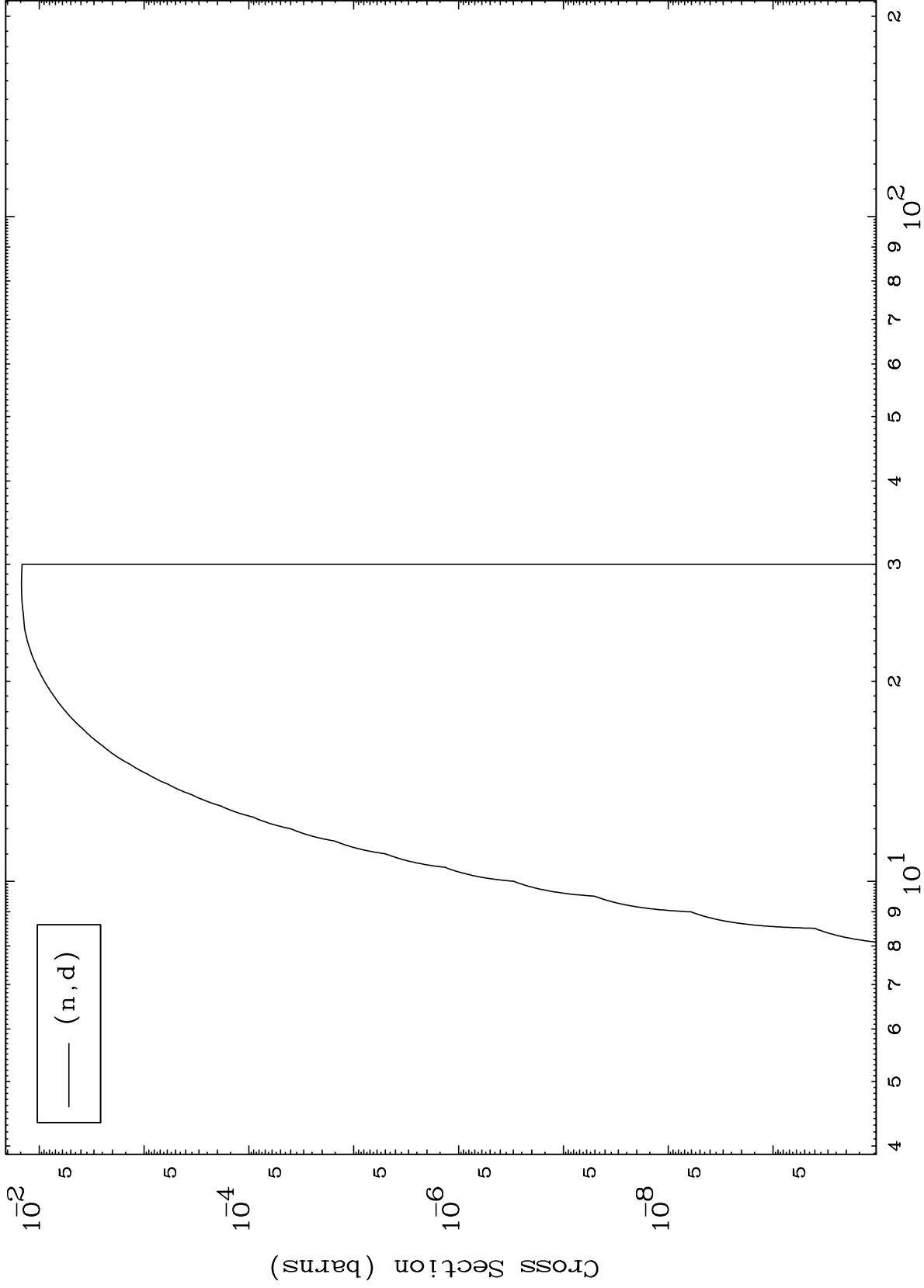
72-Hf-179n



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(n,d) Levels
293 Kelvin Cross Sections

⁷²Hf-179n



12

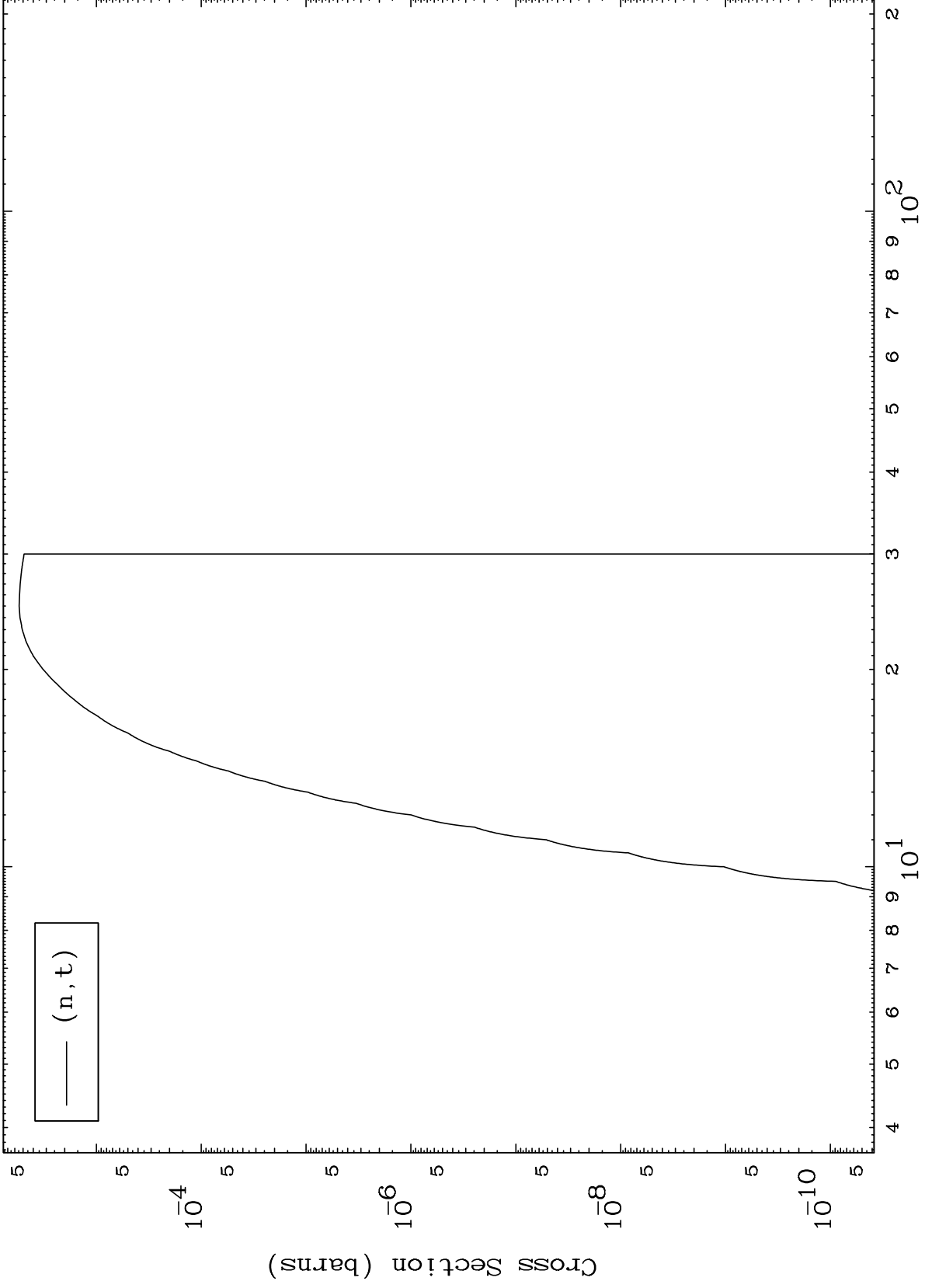
Incident Energy (MeV)

⁷²Hf-179n

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(n,t) Levels
293 Kelvin Cross Sections

⁷²Hf-179n



13

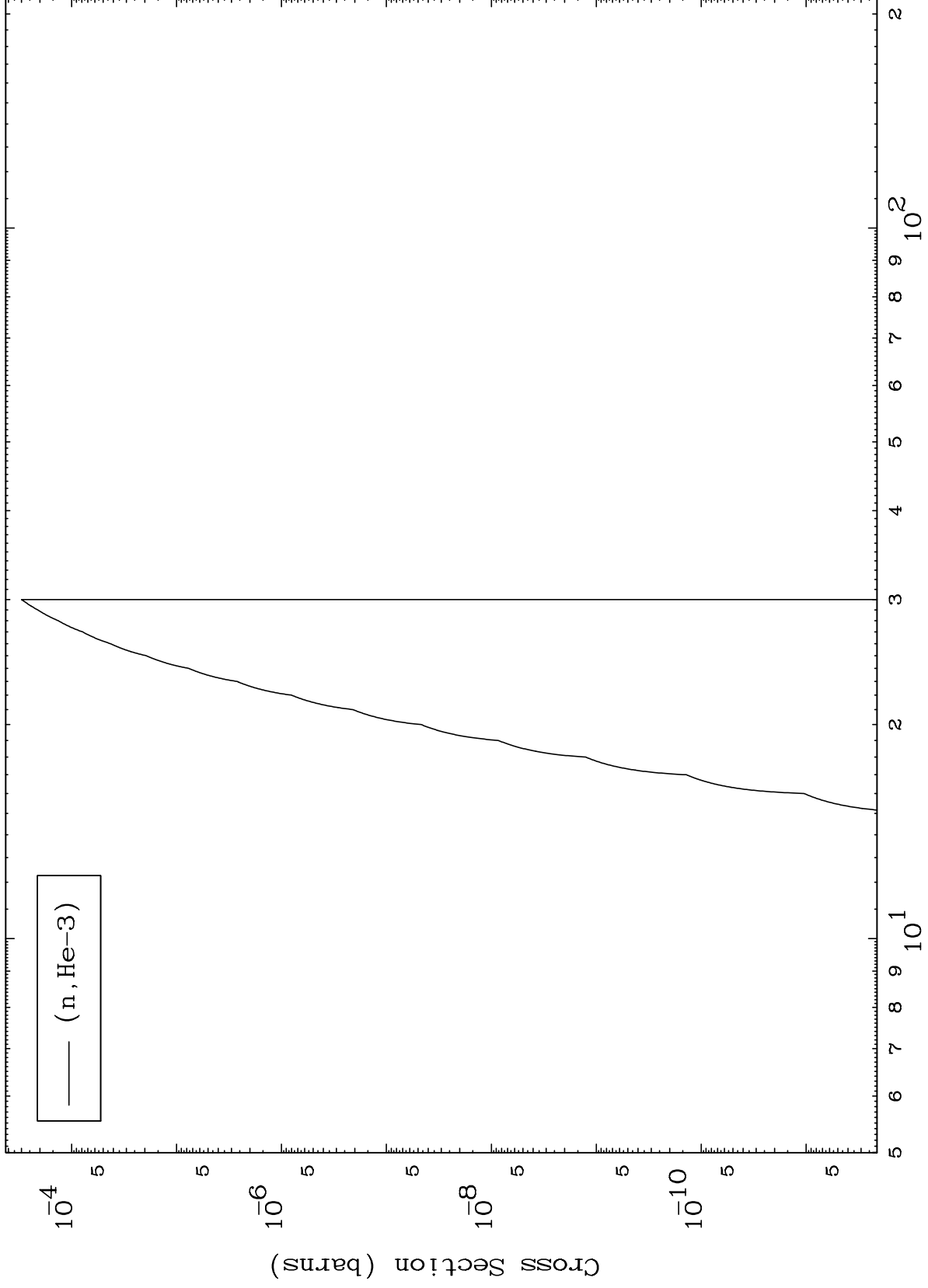
Incident Energy (MeV)

⁷²Hf-179n

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(n,He3) Levels
293 Kelvin Cross Sections

72-Hf-179n



14

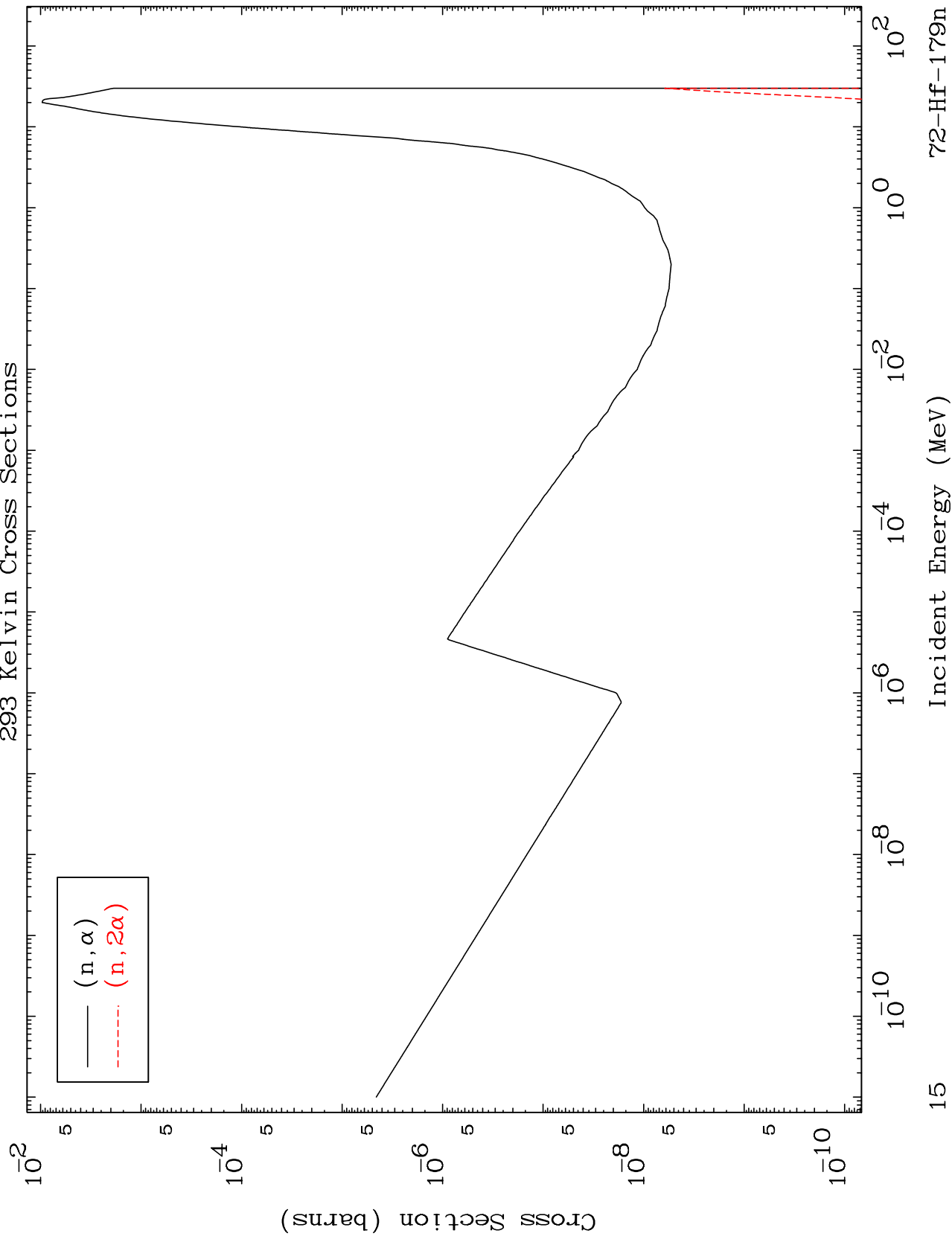
Incident Energy (MeV)

72-Hf-179n

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(n, α) Levels
293 Kelvin Cross Sections

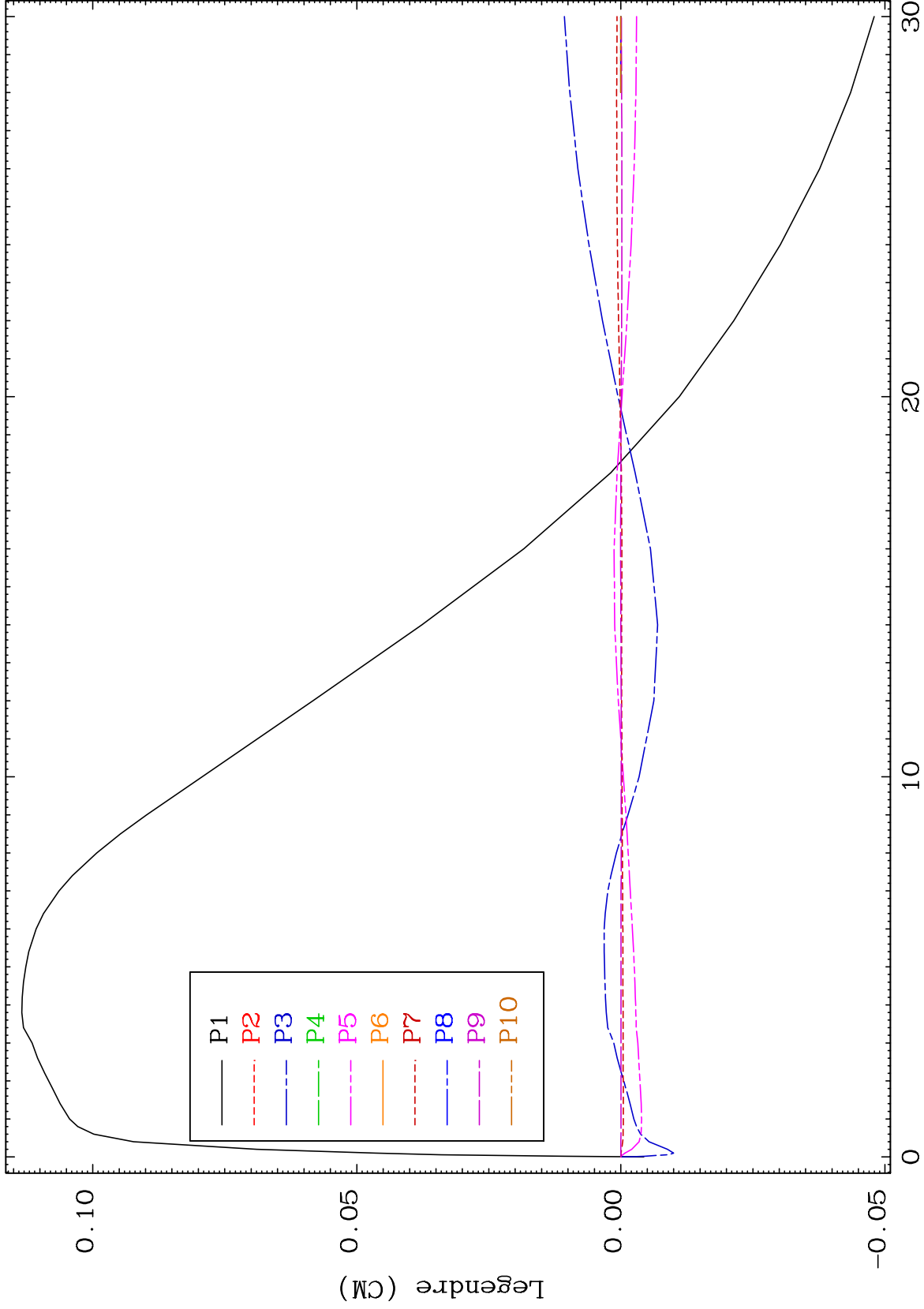
⁷²Hf-179n



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Elastic Legendre Coefficients

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



16

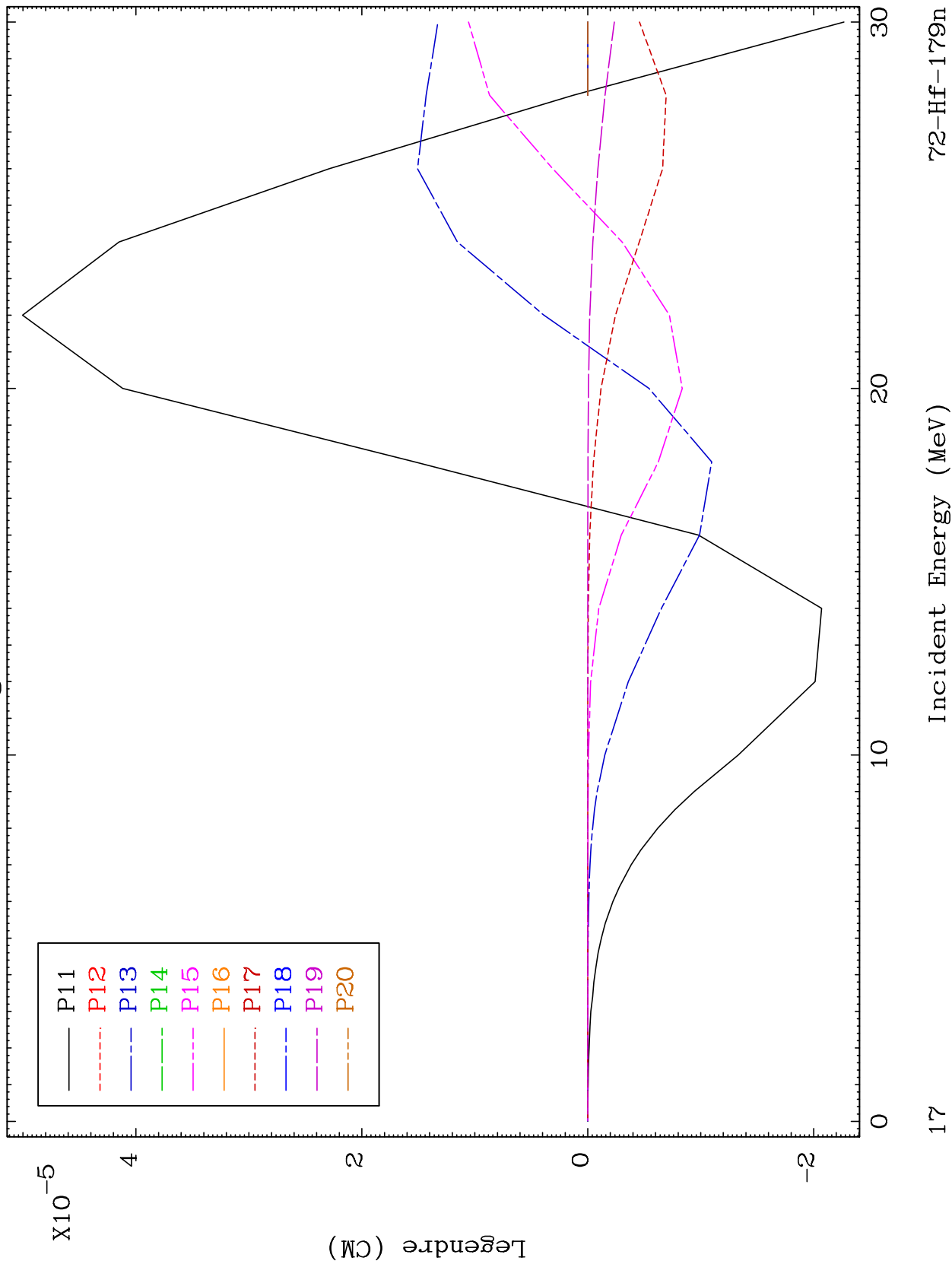
Incident Energy (MeV)

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

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Elastic Legendre Coefficients

⁷²Hf-¹⁷⁹n

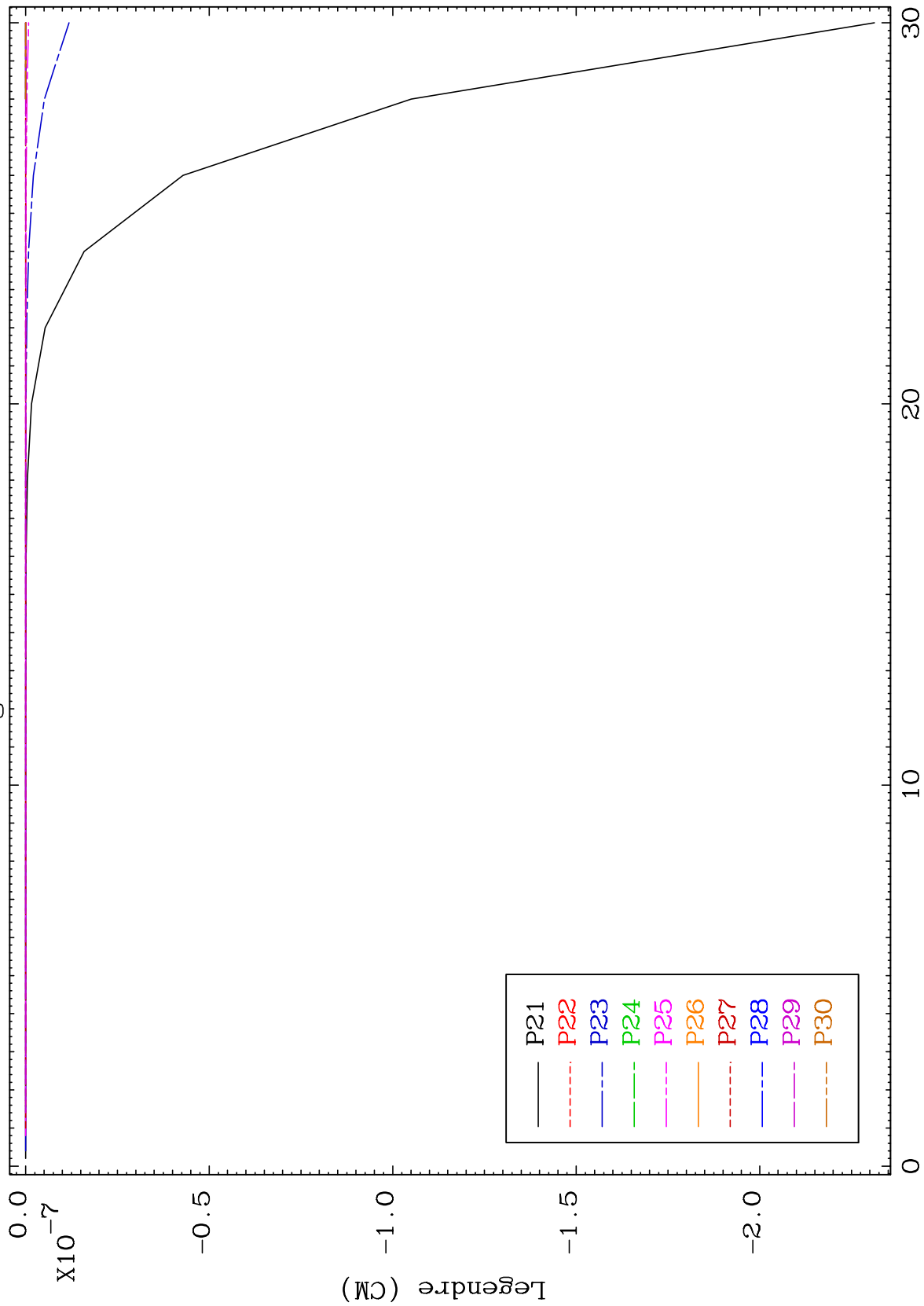


- P11
- P12
- P13
- P14
- P15
- P16
- P17
- P18
- P19
- P20

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⁷²Hf-¹⁷⁹n

Elastic Legendre Coefficients



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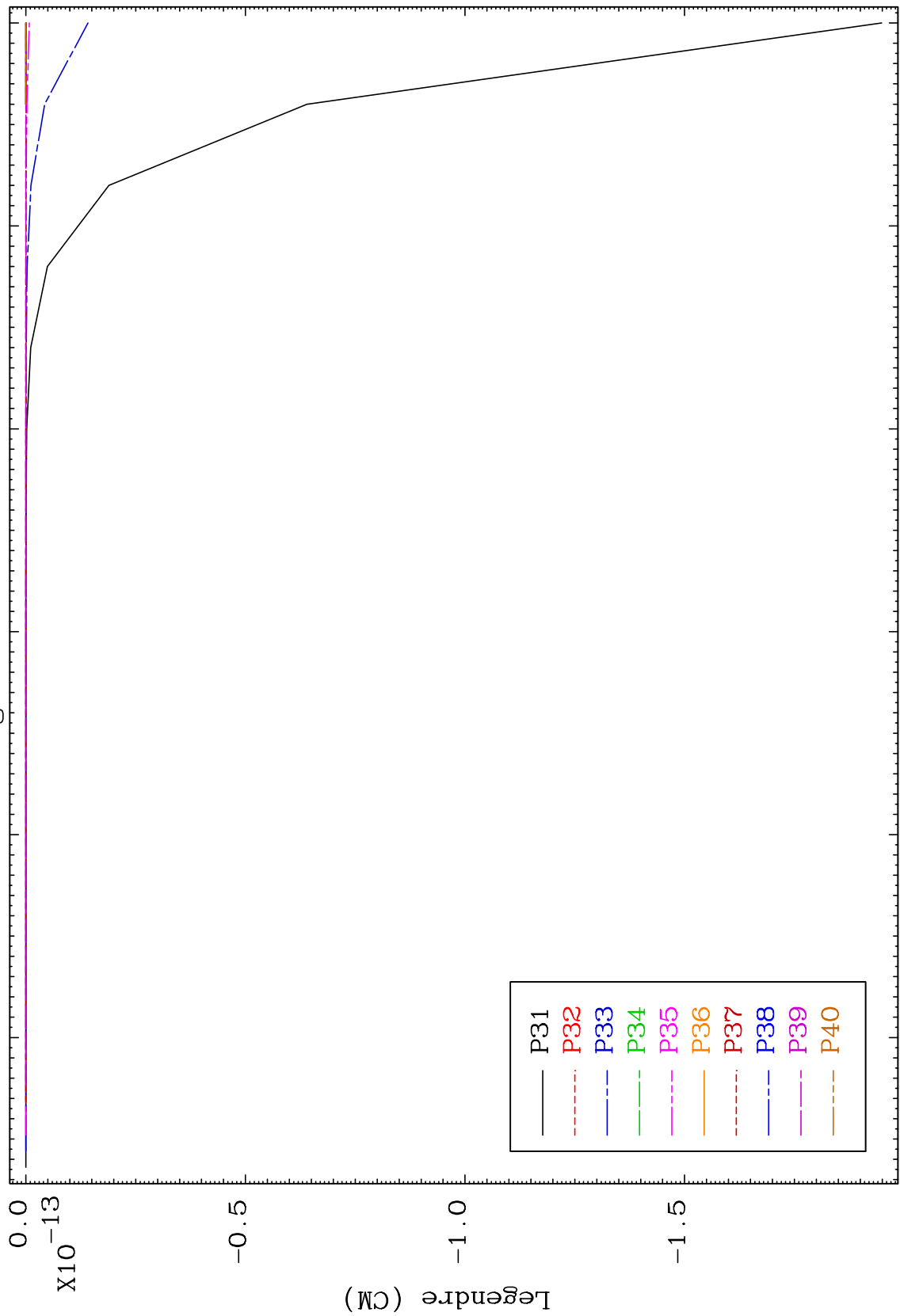
Incident Energy (MeV)

⁷²Hf-¹⁷⁹n

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Elastic Legendre Coefficients

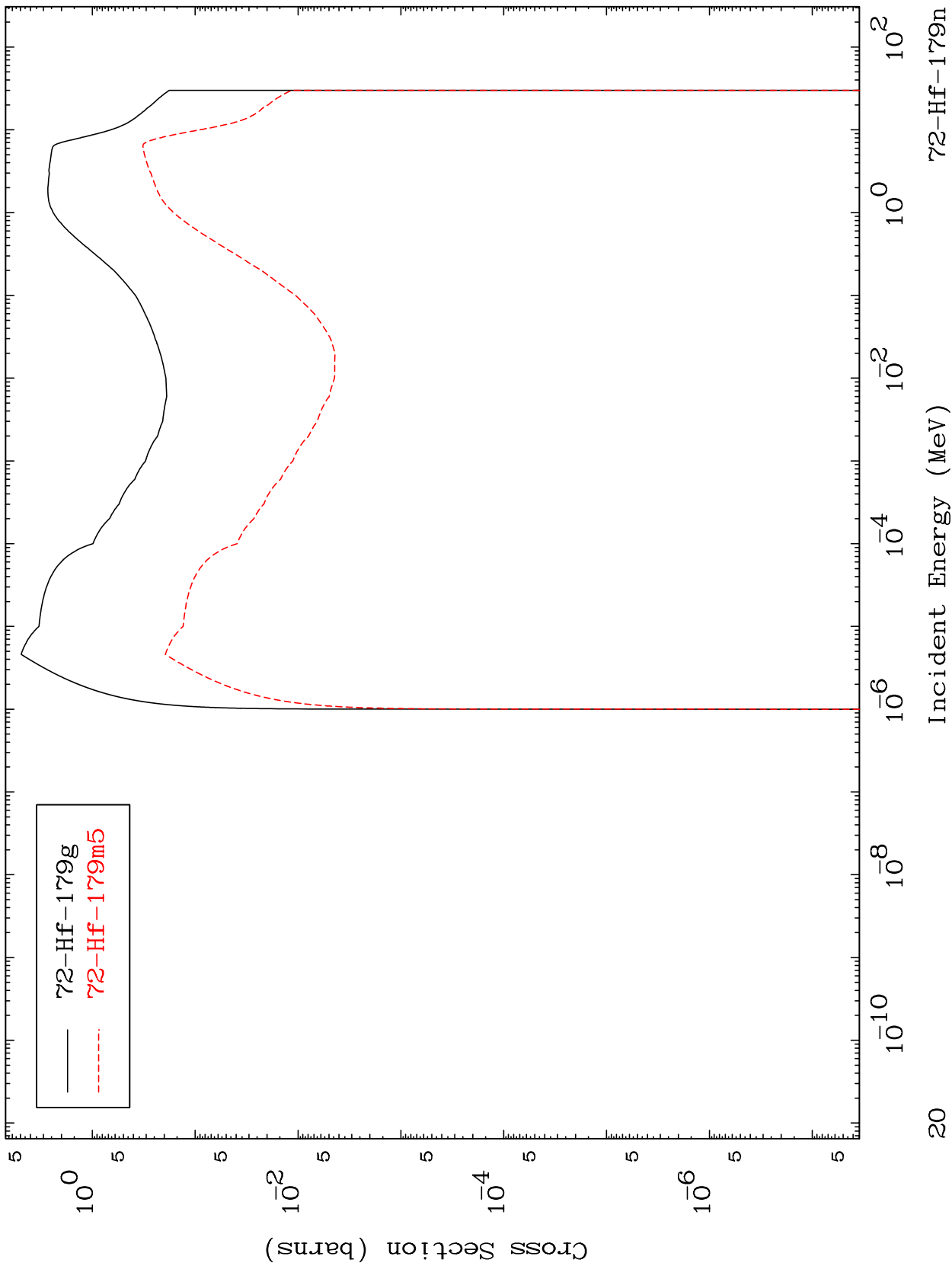
⁷²Hf-¹⁷⁹n



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⁷²Hf-179n

Inelastic
Radionuclide Production Cross Section

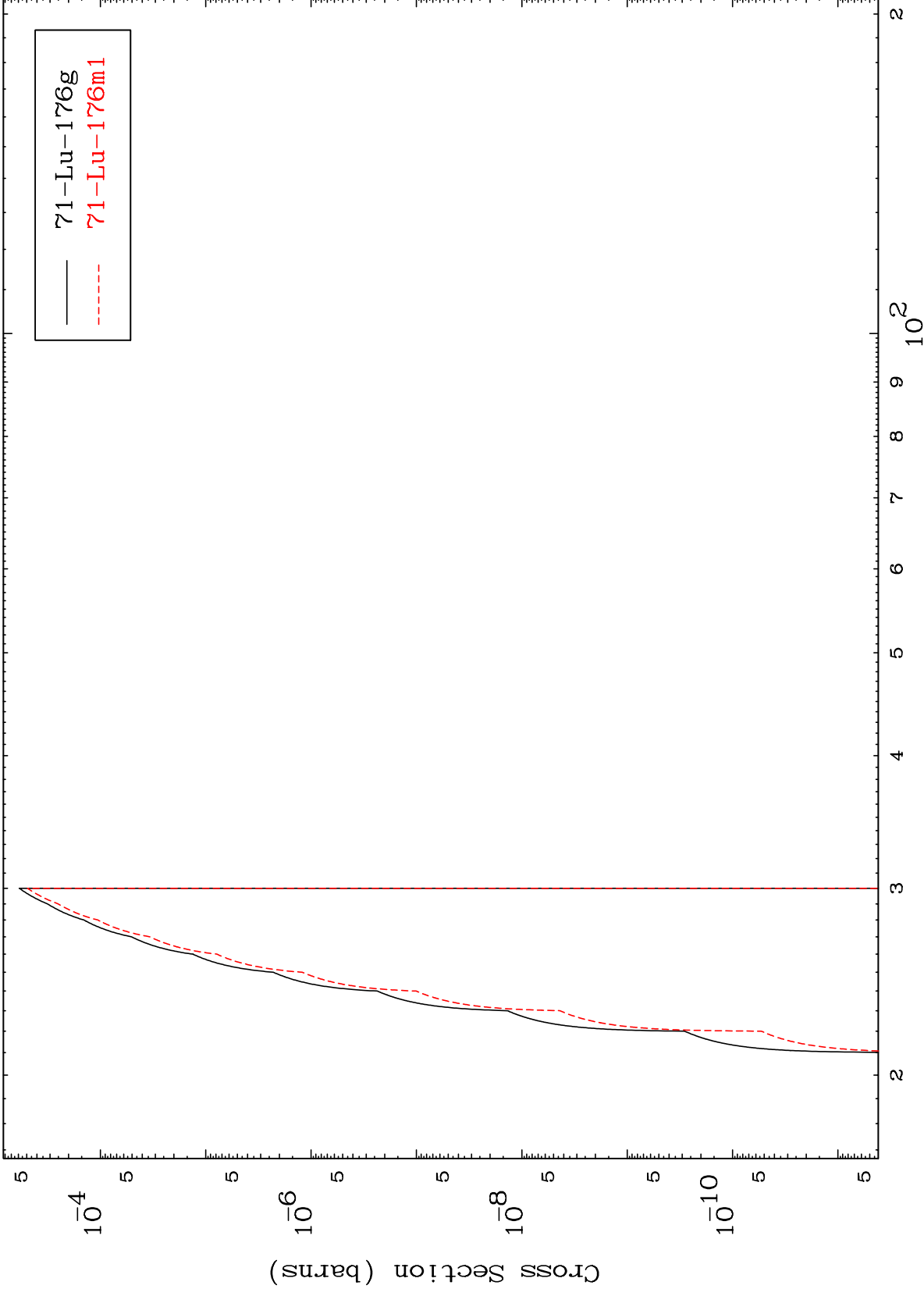


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(n,2n) d

⁷²Hf-179n

Radionuclide Production Cross Section



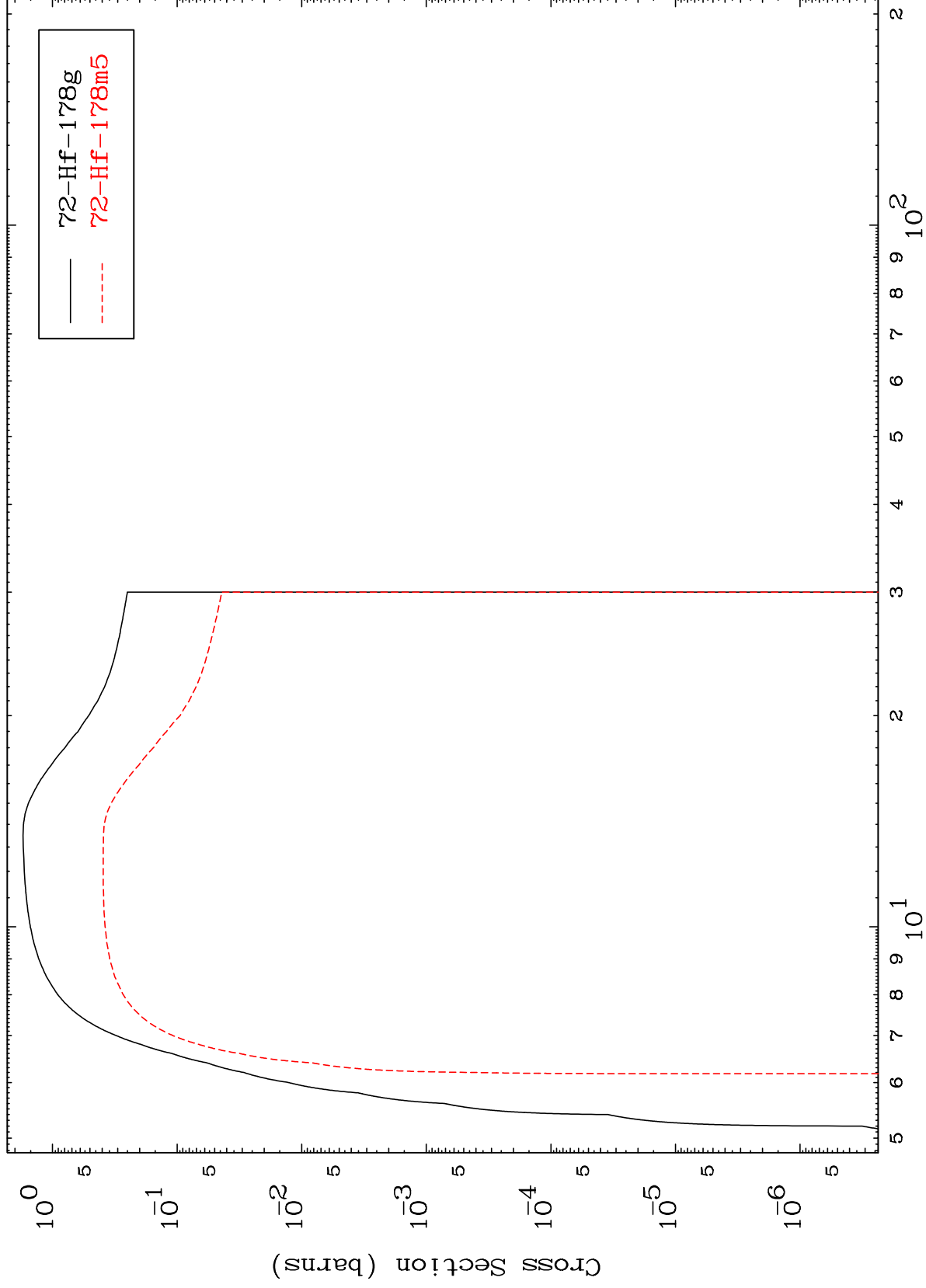
— ⁷¹Lu-176g
- - - ⁷¹Lu-176m1

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(n,2n)

⁷²Hf-179n

Radionuclide Production Cross Section



22

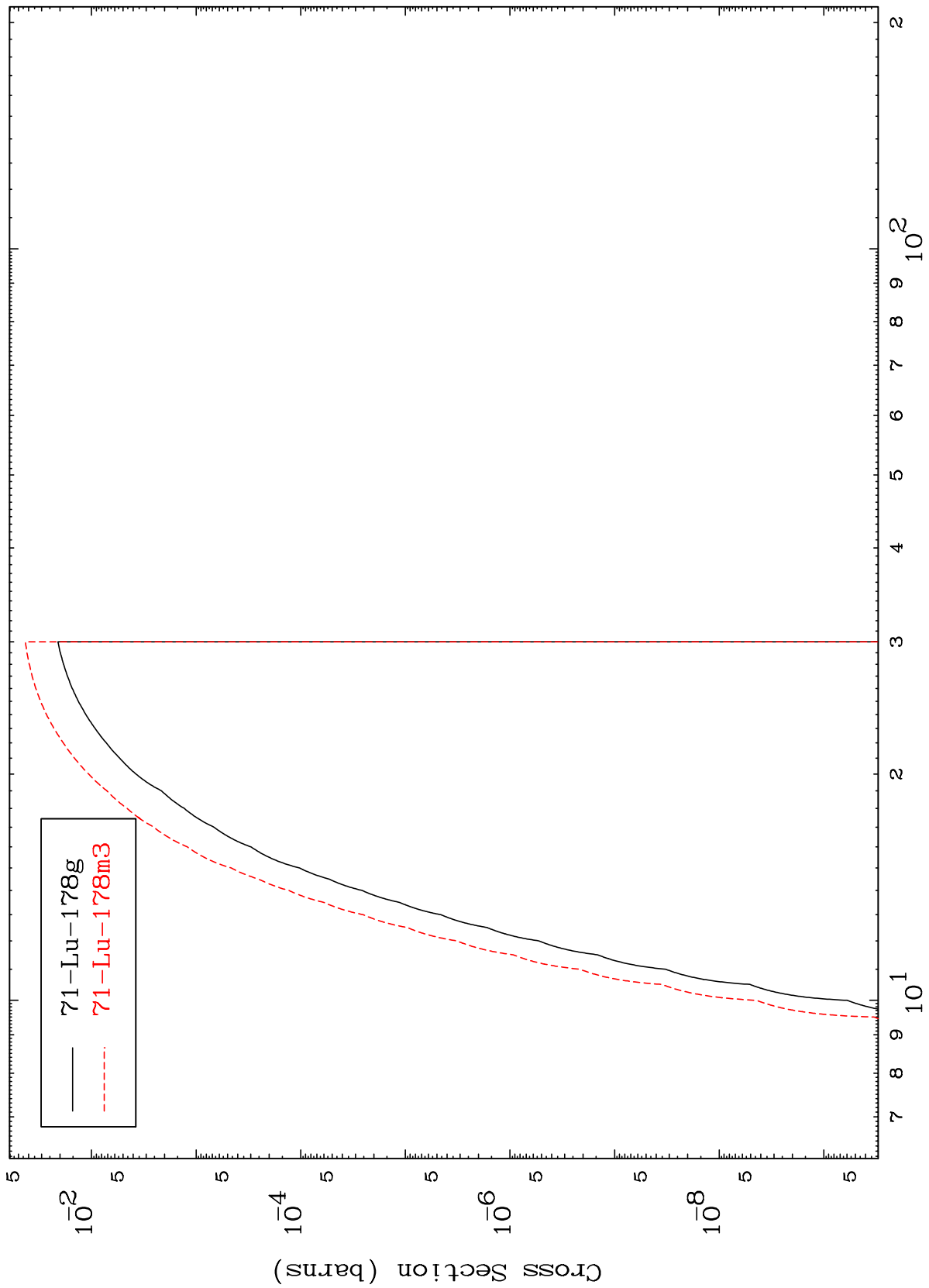
Incident Energy (MeV)

⁷²Hf-179n

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⁷²Hf-179n

(n,n') p
Radionuclide Production Cross Section



Incident Energy (MeV)

⁷²Hf-179n

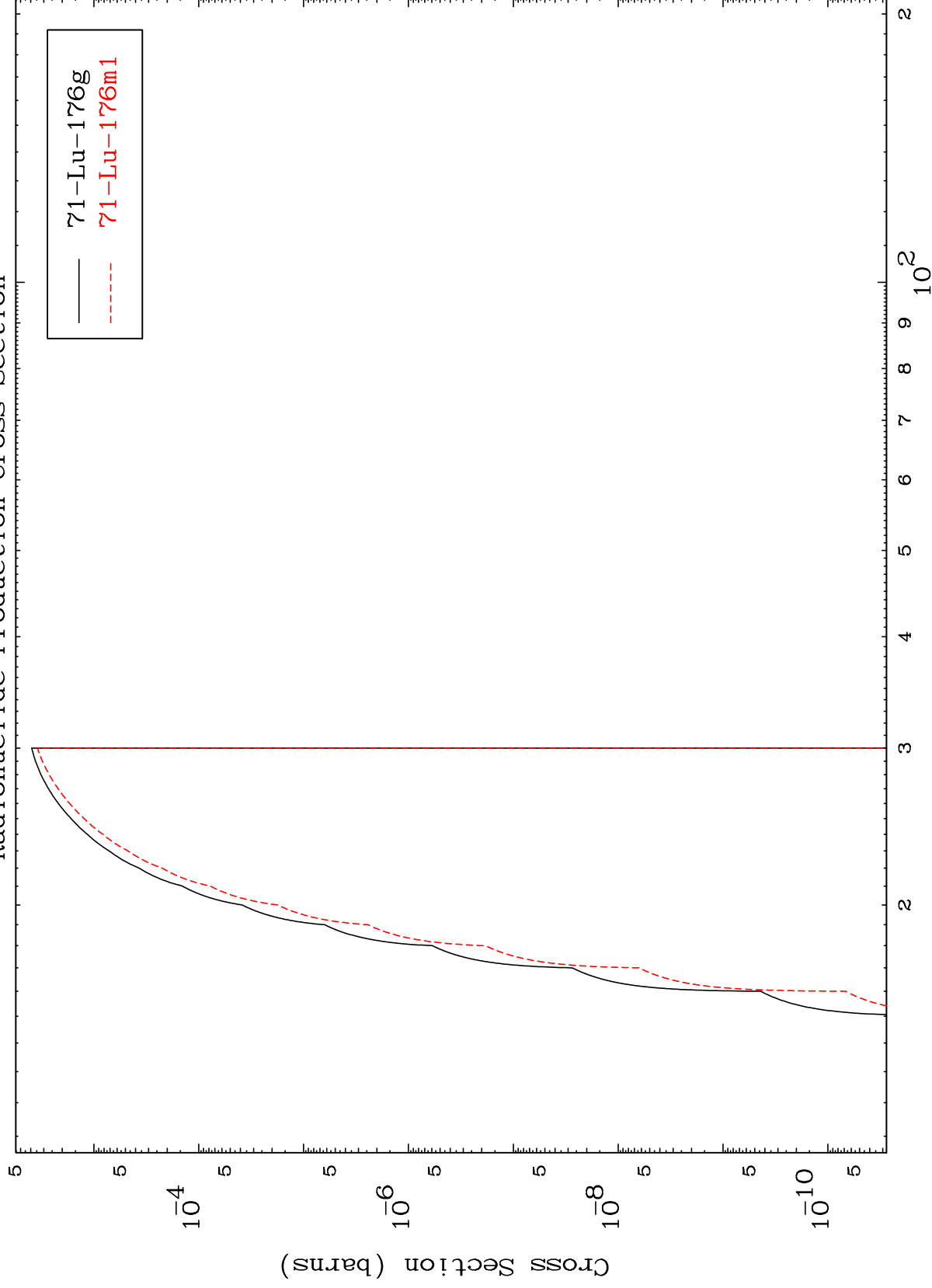
23

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(n,n') t

72-Hf-179n

Radionuclide Production Cross Section



24

Incident Energy (MeV)

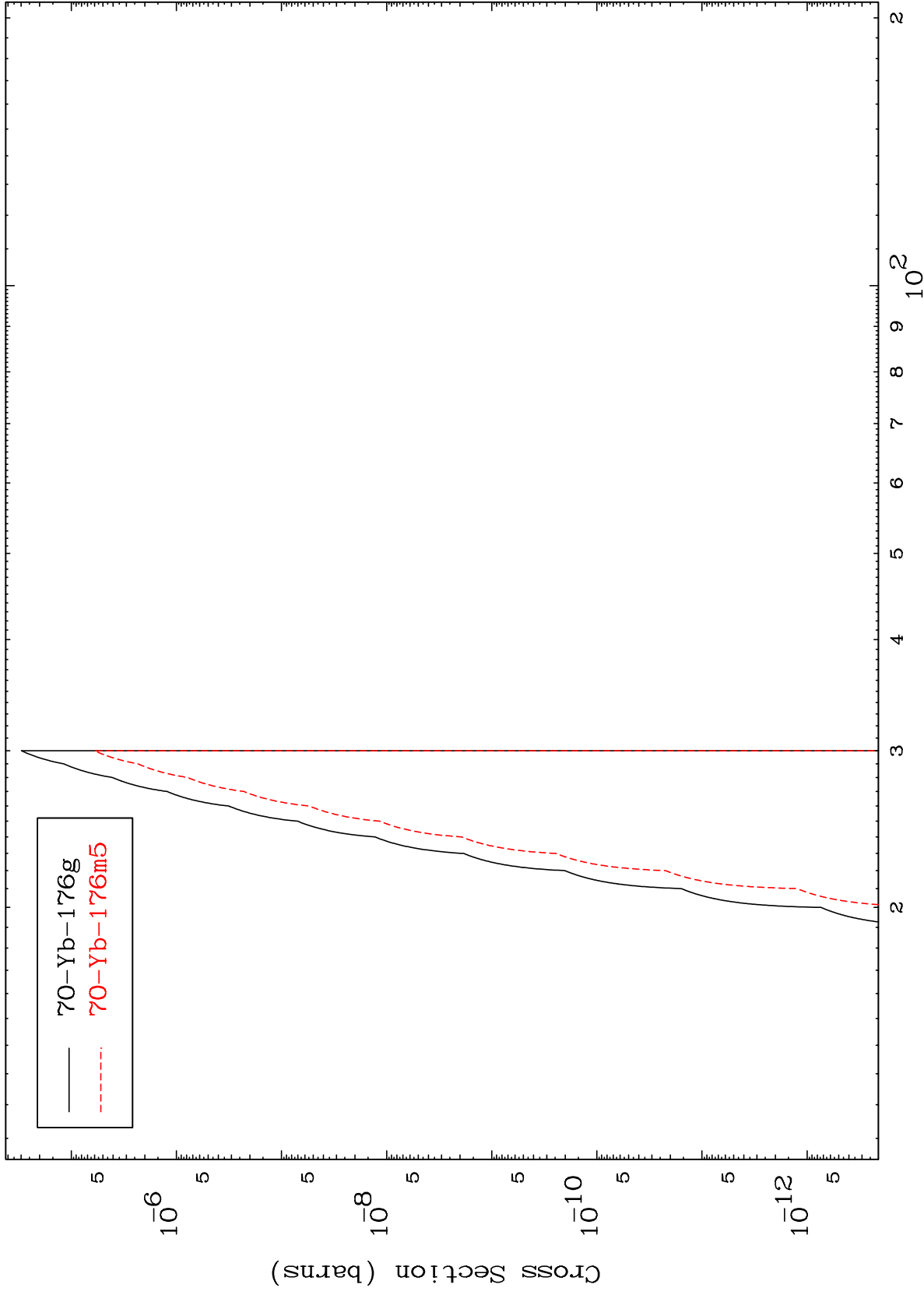
72-Hf-179n

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(n,n') He-3

⁷²Hf-179n

Radionuclide Production Cross Section



Incident Energy (MeV)

⁷²Hf-179n

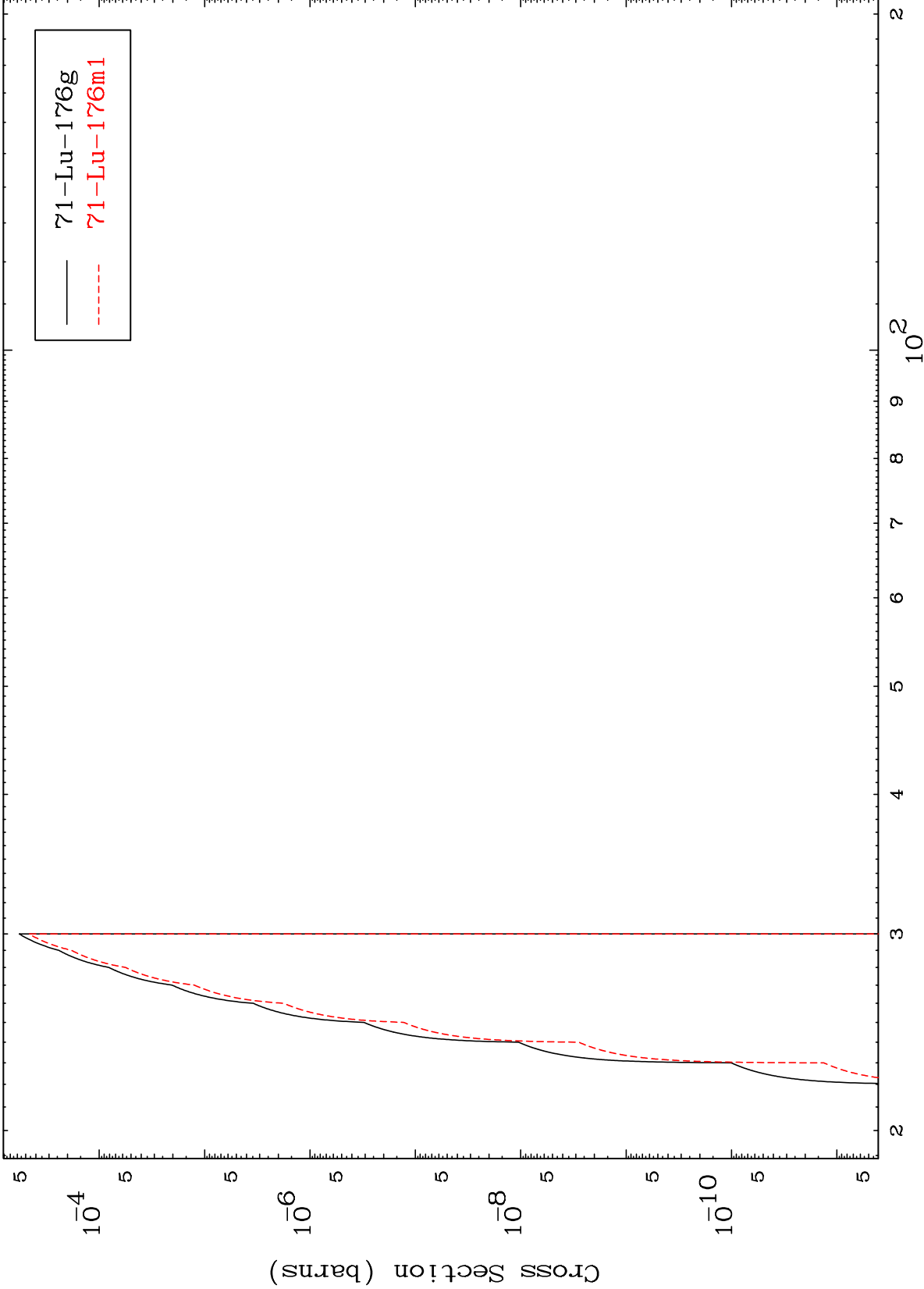
25

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(n,3n) p

⁷²Hf-179n

Radionuclide Production Cross Section



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

26

Incident Energy (MeV)

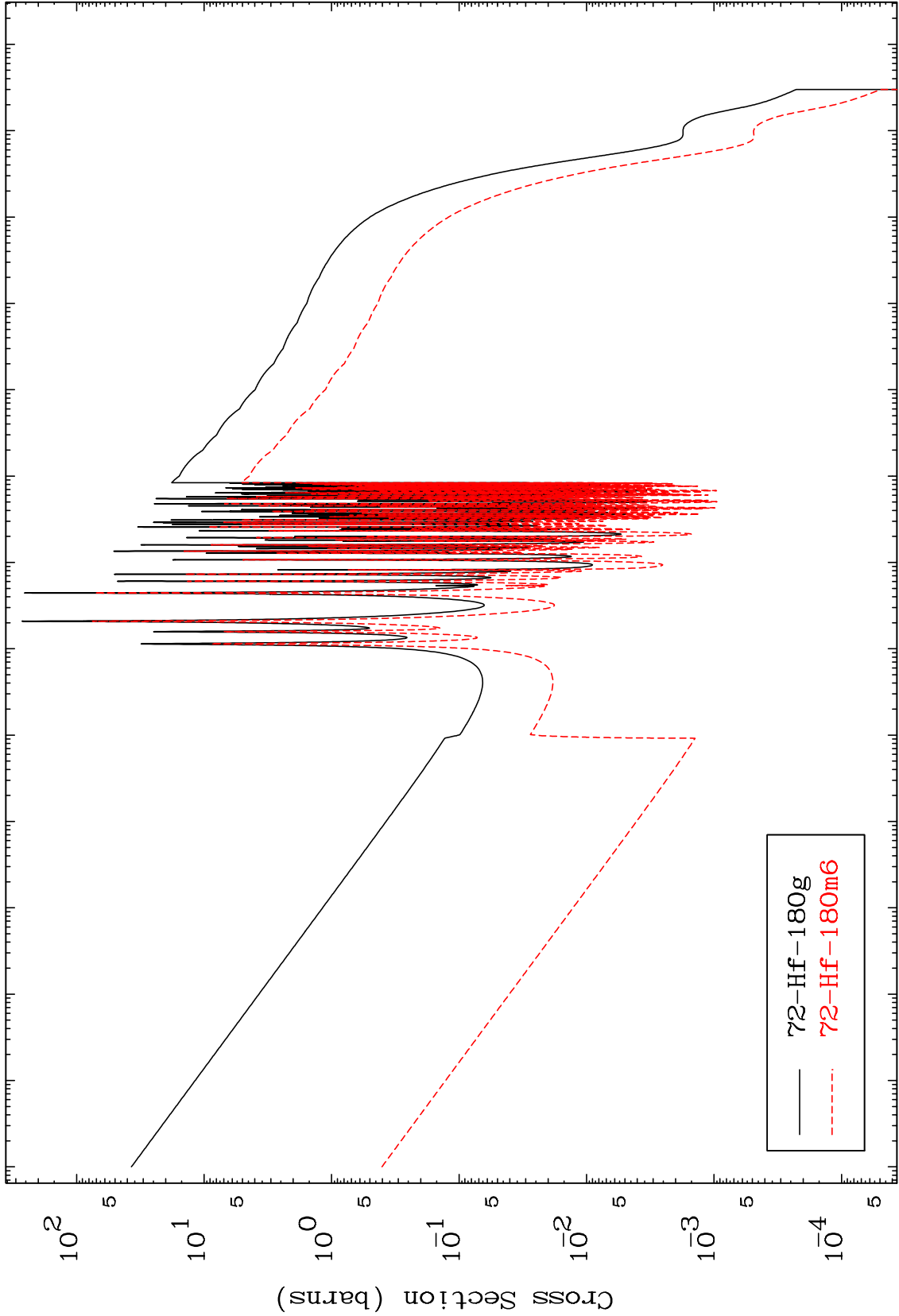
⁷²Hf-179n

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⁷²Hf-179n

Radionuclide Production Cross Section

(n, γ)



⁷²Hf-179n

10²

10⁰

10⁻²

10⁻⁴

10⁻⁶

10⁻⁸

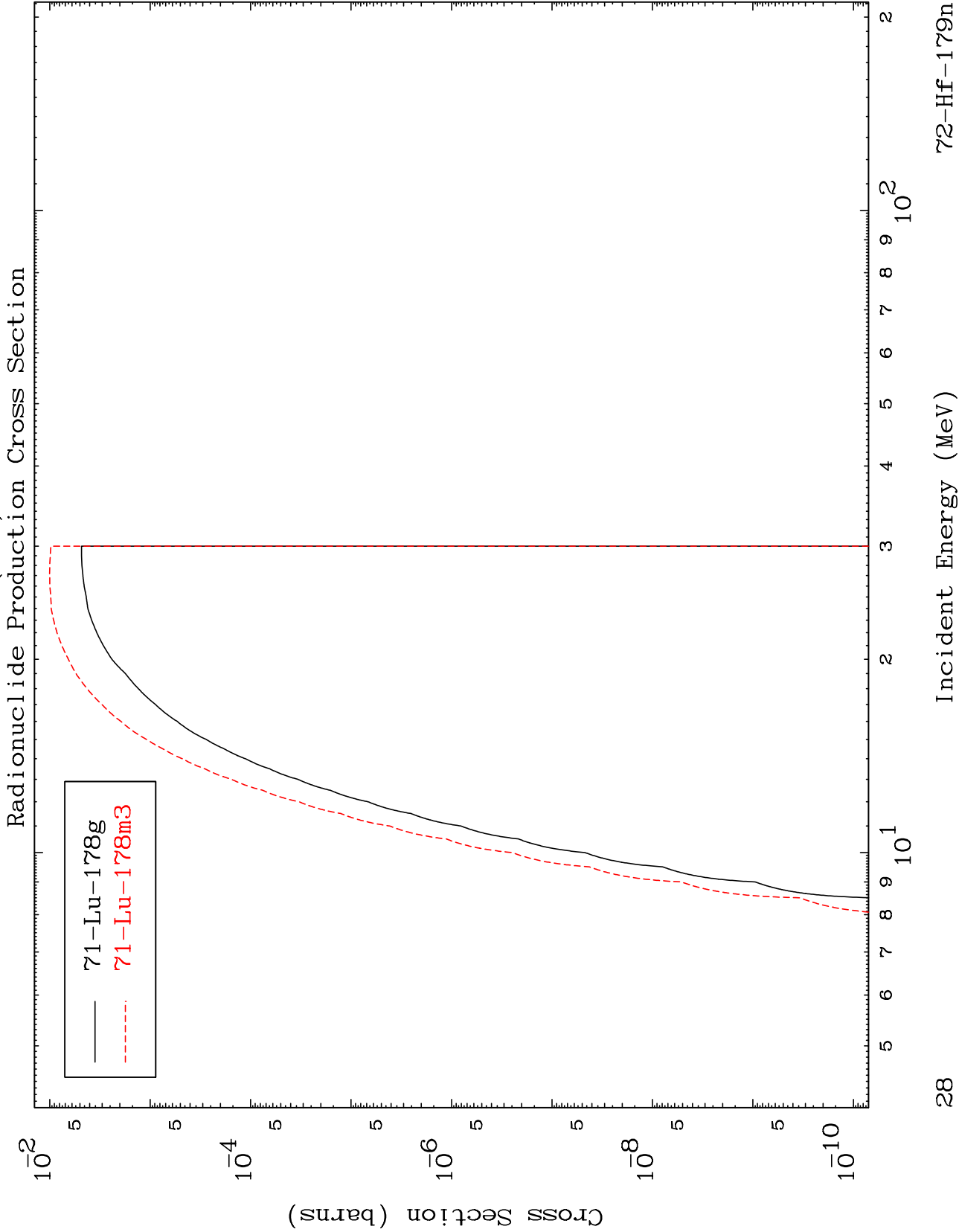
10⁻¹⁰

72-Hf-179n

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

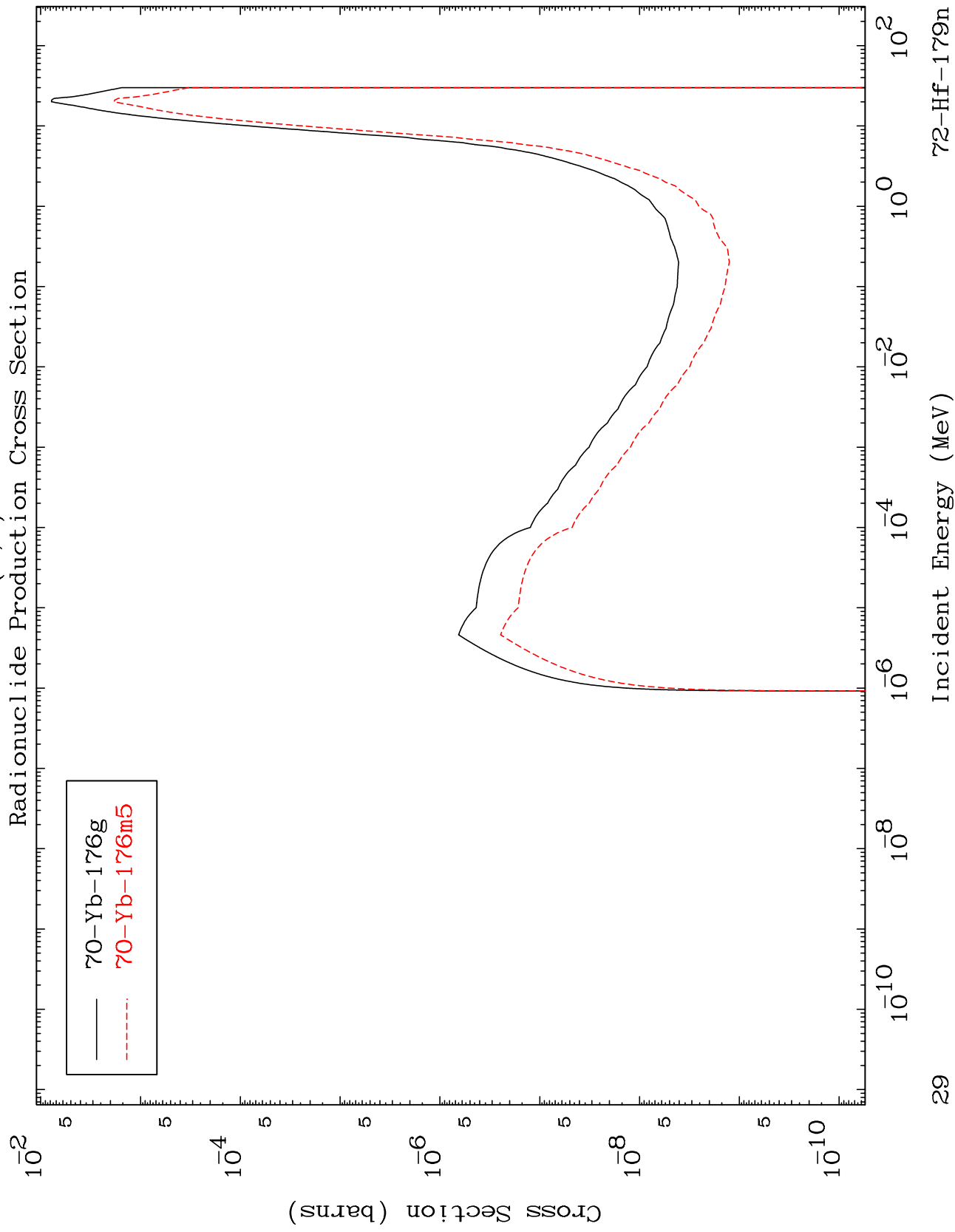


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(n, α)

⁷²Hf-179n

Radionuclide Production Cross Section



MAT 7242

(n,p) t

⁷²Hf-179n

Radionuclide Production Cross Section

