

Program EVALPLOT
(Version 2021-1)

by

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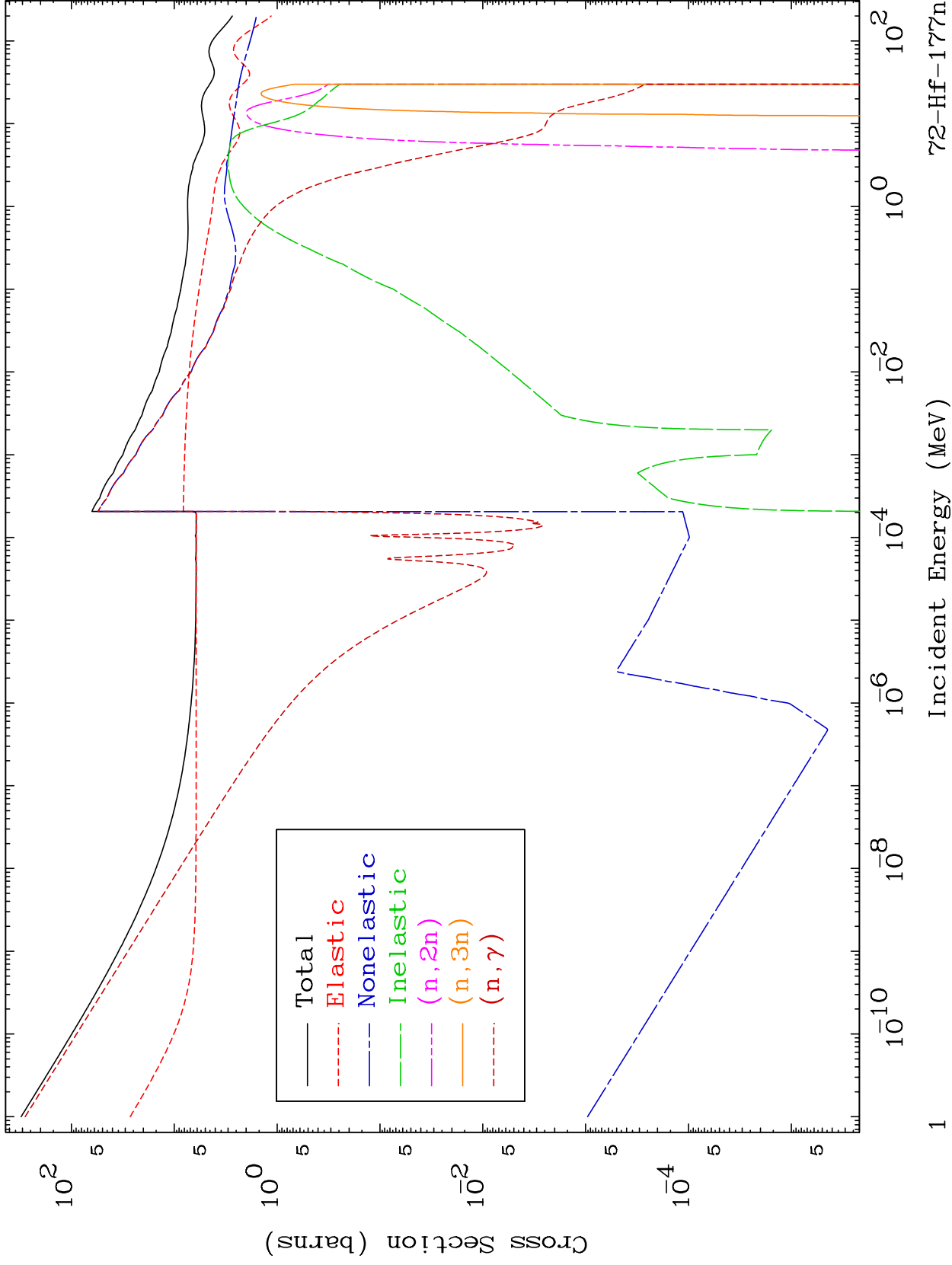
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7236

Neutron Major
293 Kelvin Cross Sections

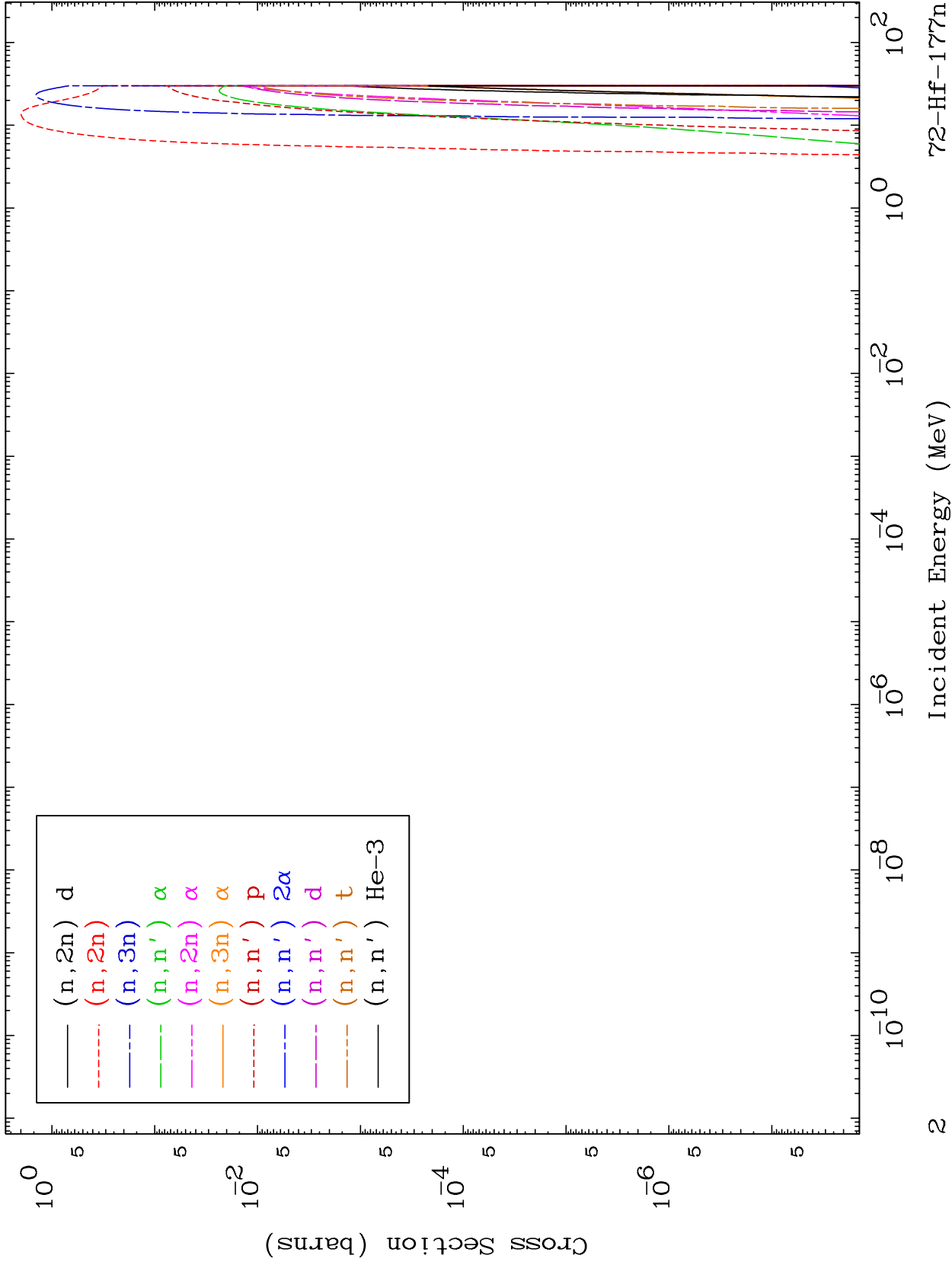
⁷²Hf-177n



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Neutron Absorption
293 Kelvin Cross Sections

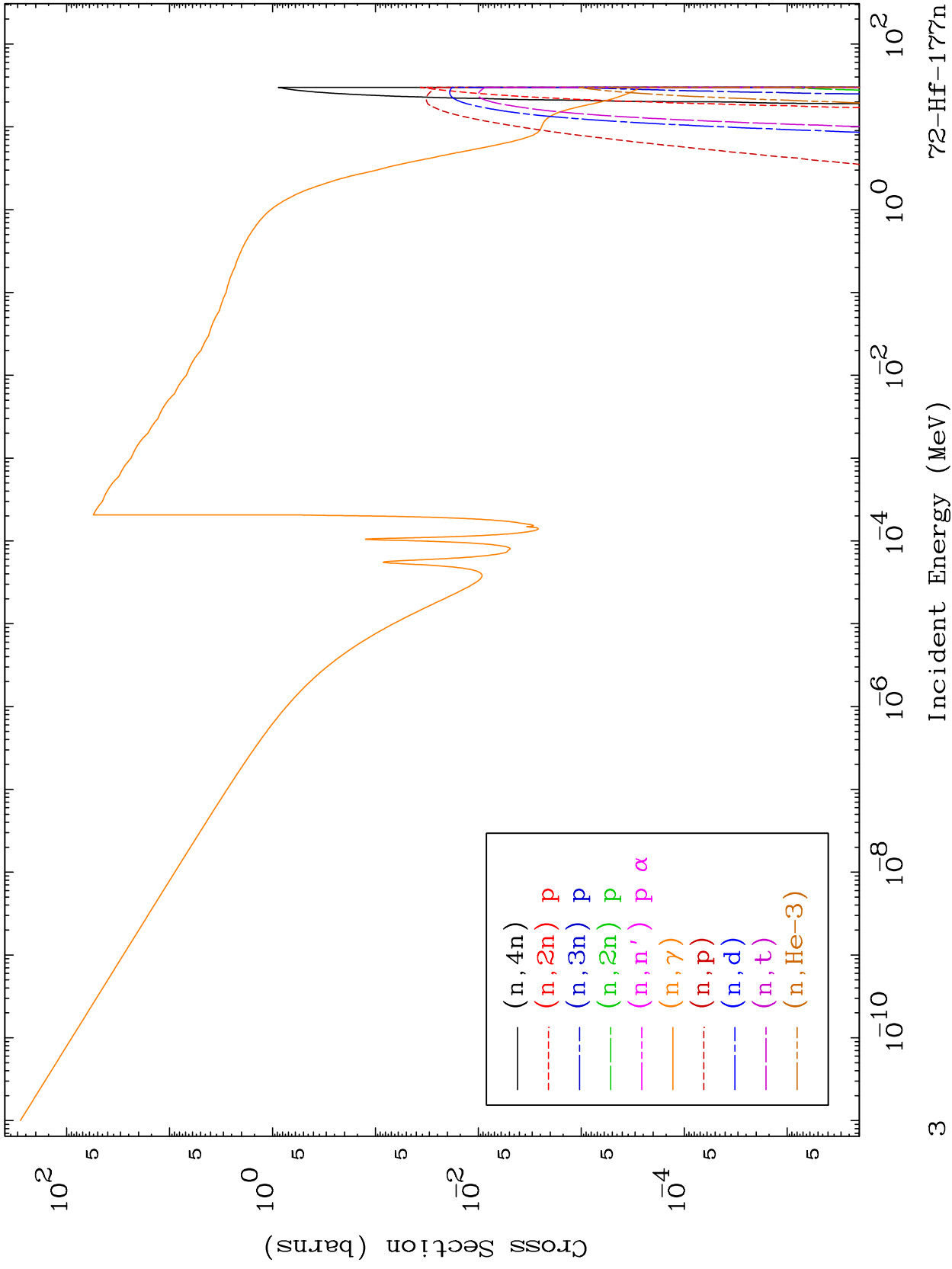
⁷²Hf-177n



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Neutron Absorption
293 Kelvin Cross Sections

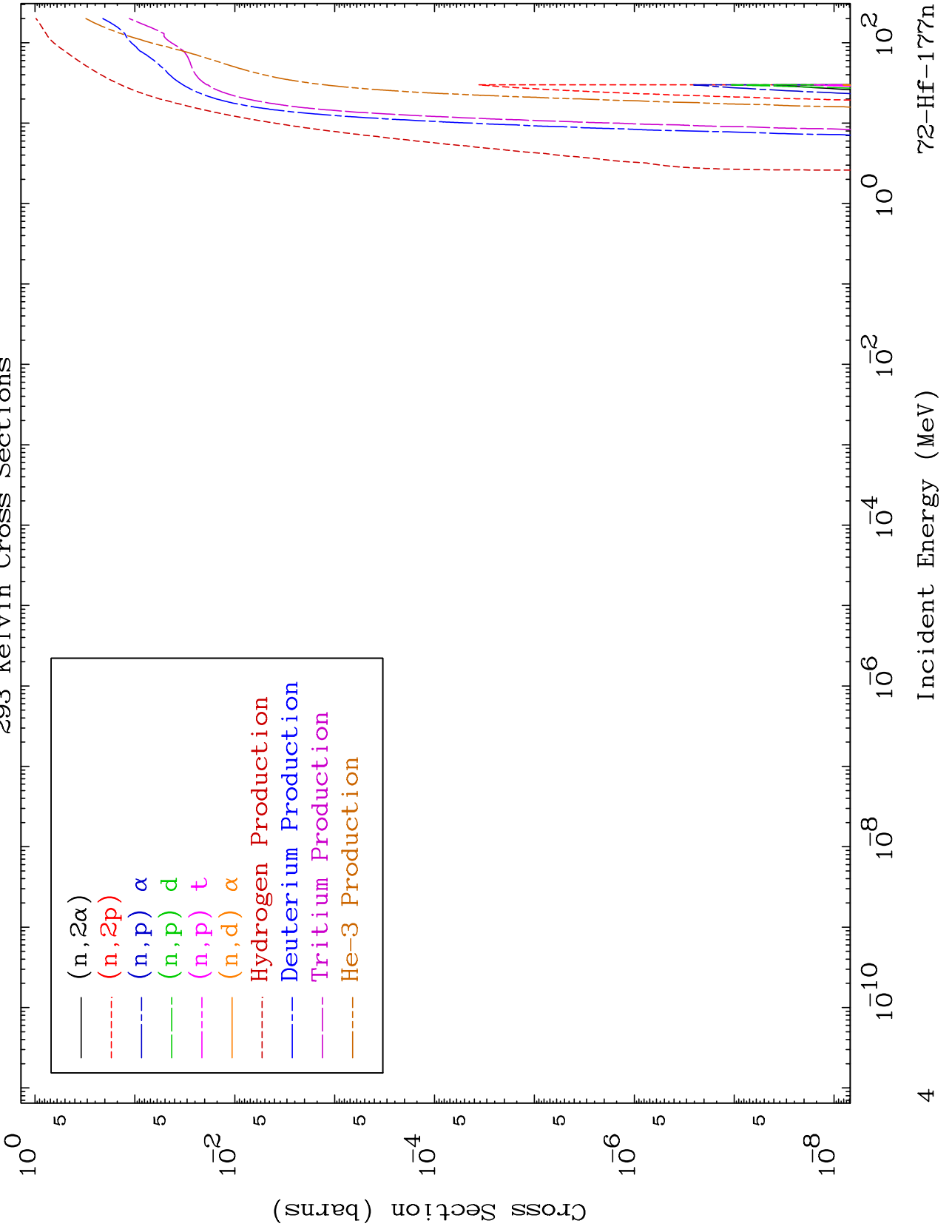
72-Hf-177n



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Neutron Absorption
293 Kelvin Cross Sections

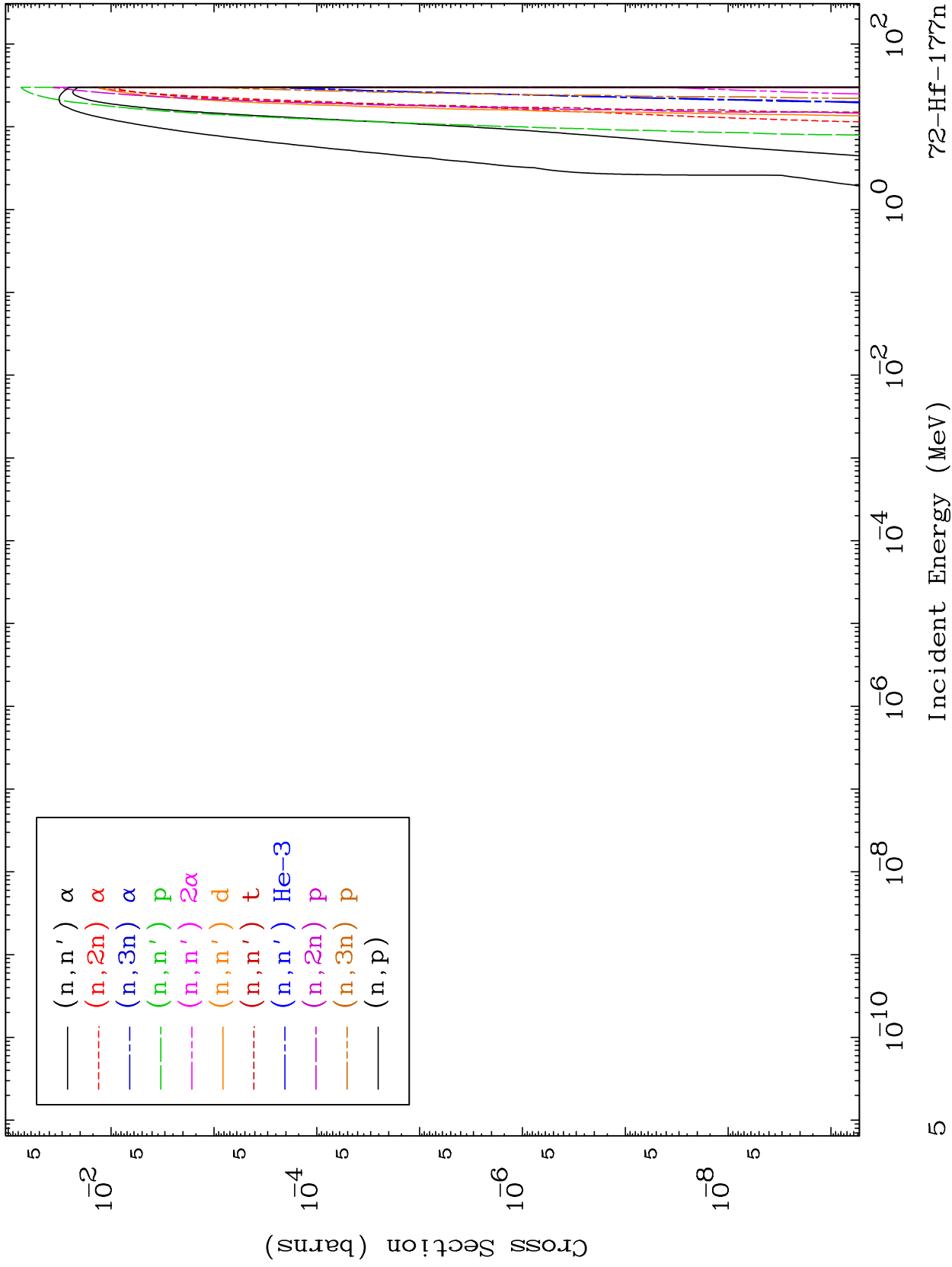
⁷²Hf-177n



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Charged Particle
293 Kelvin Cross Sections

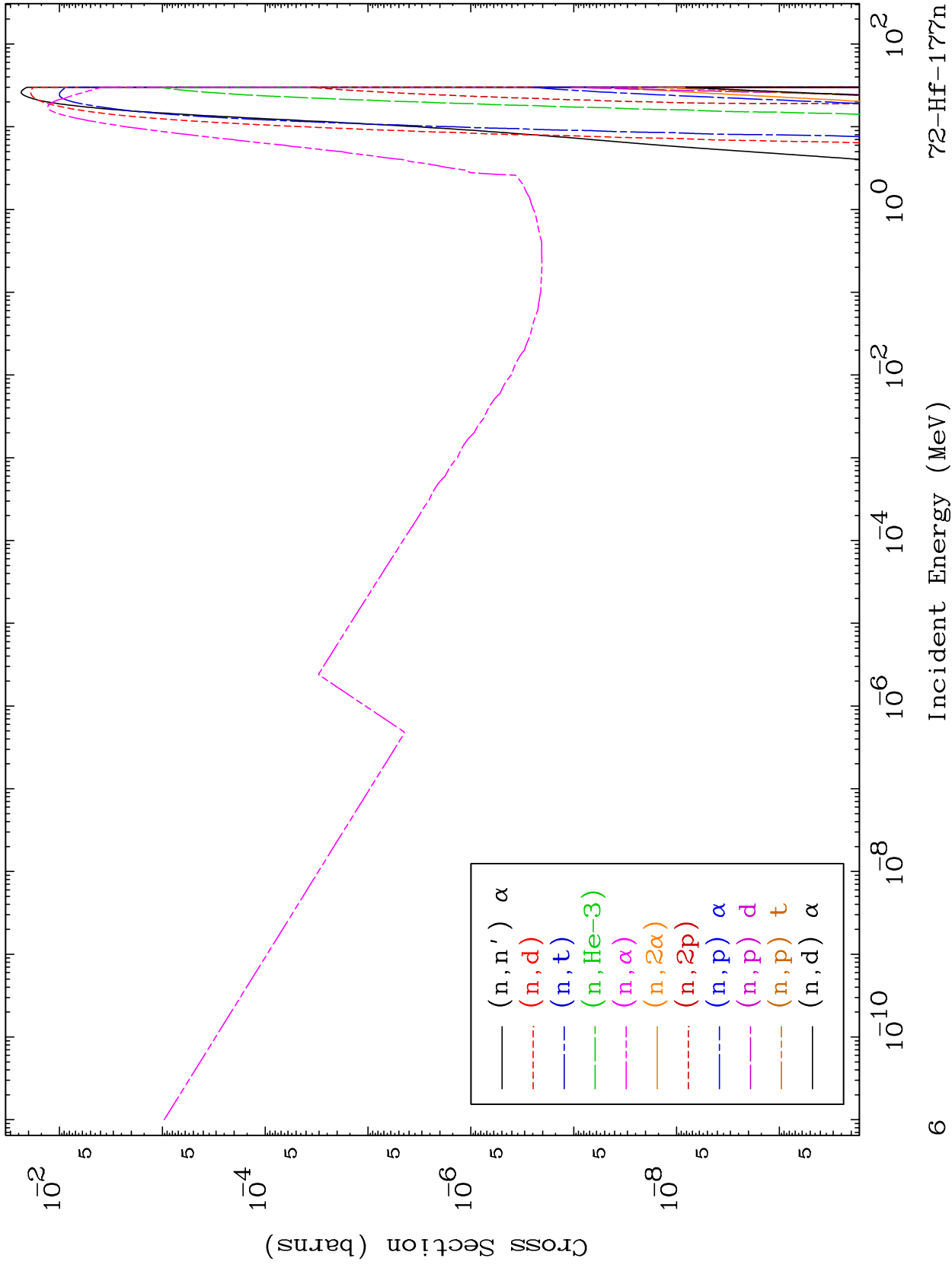
⁷²Hf-177n



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Charged Particle
293 Kelvin Cross Sections

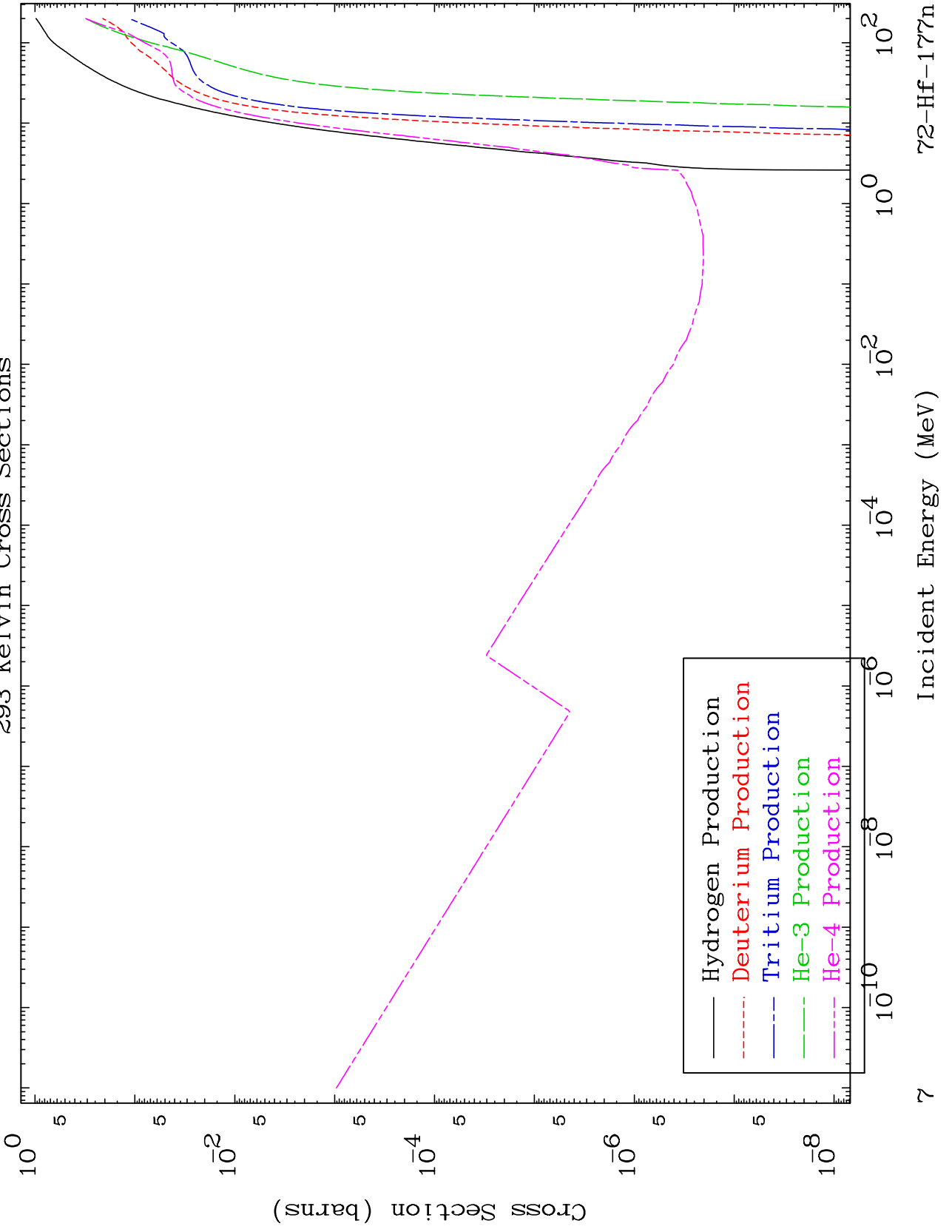
⁷²Hf-177n



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Particle Production
293 Kelvin Cross Sections

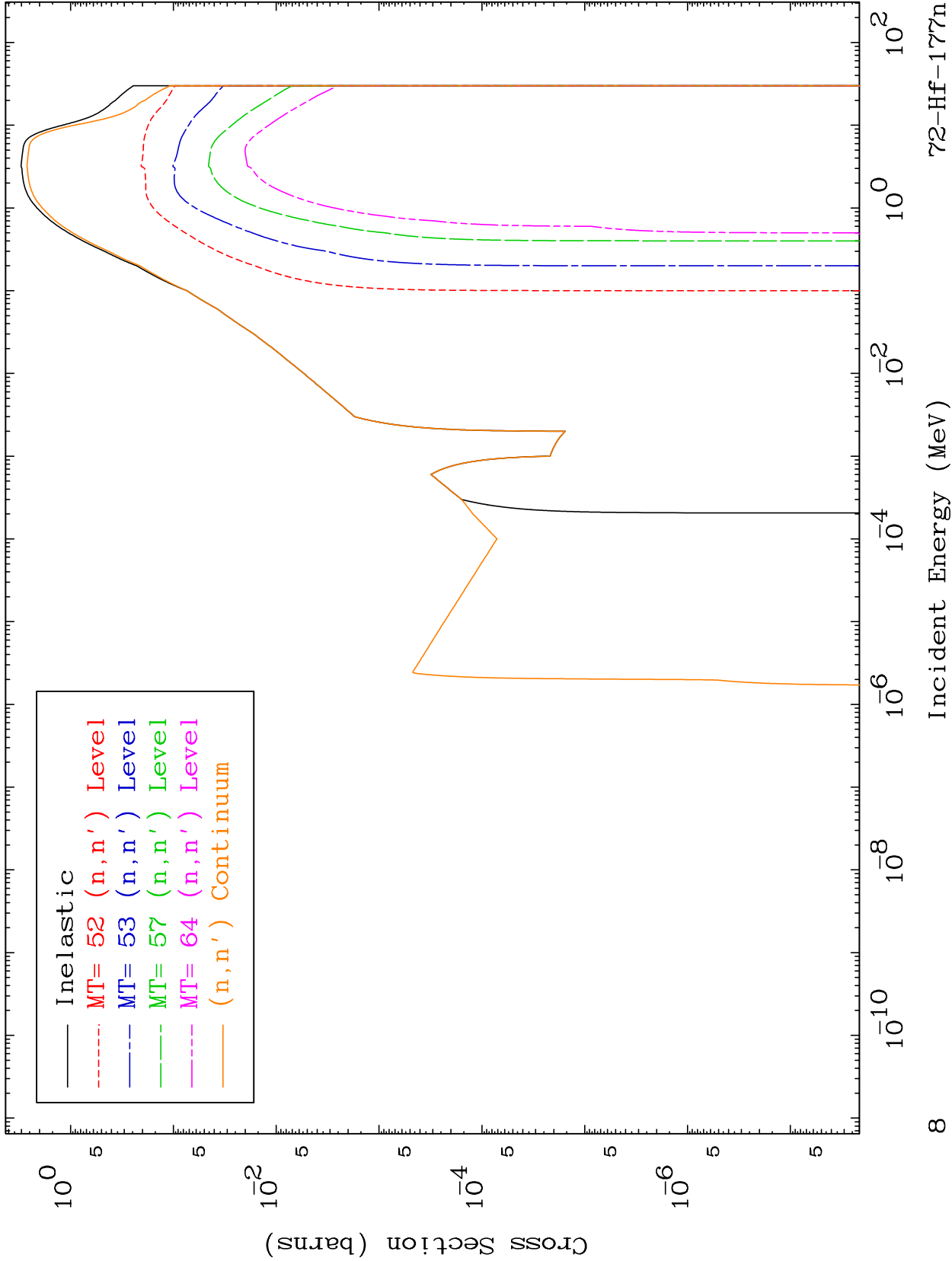
⁷²Hf-177n



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(n,n') Levels
293 Kelvin Cross Sections

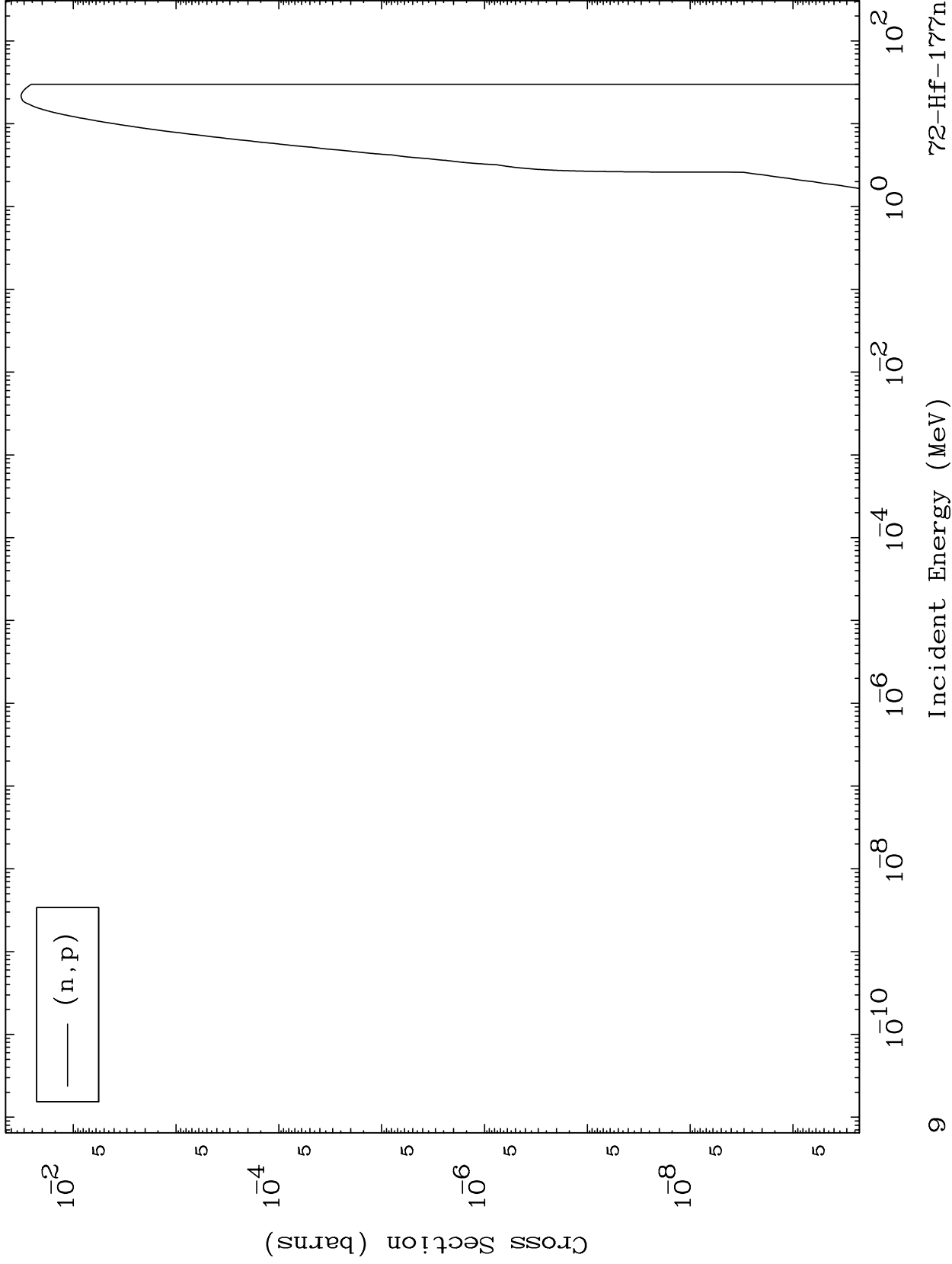
⁷²Hf-177n



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(n,p) Levels
293 Kelvin Cross Sections

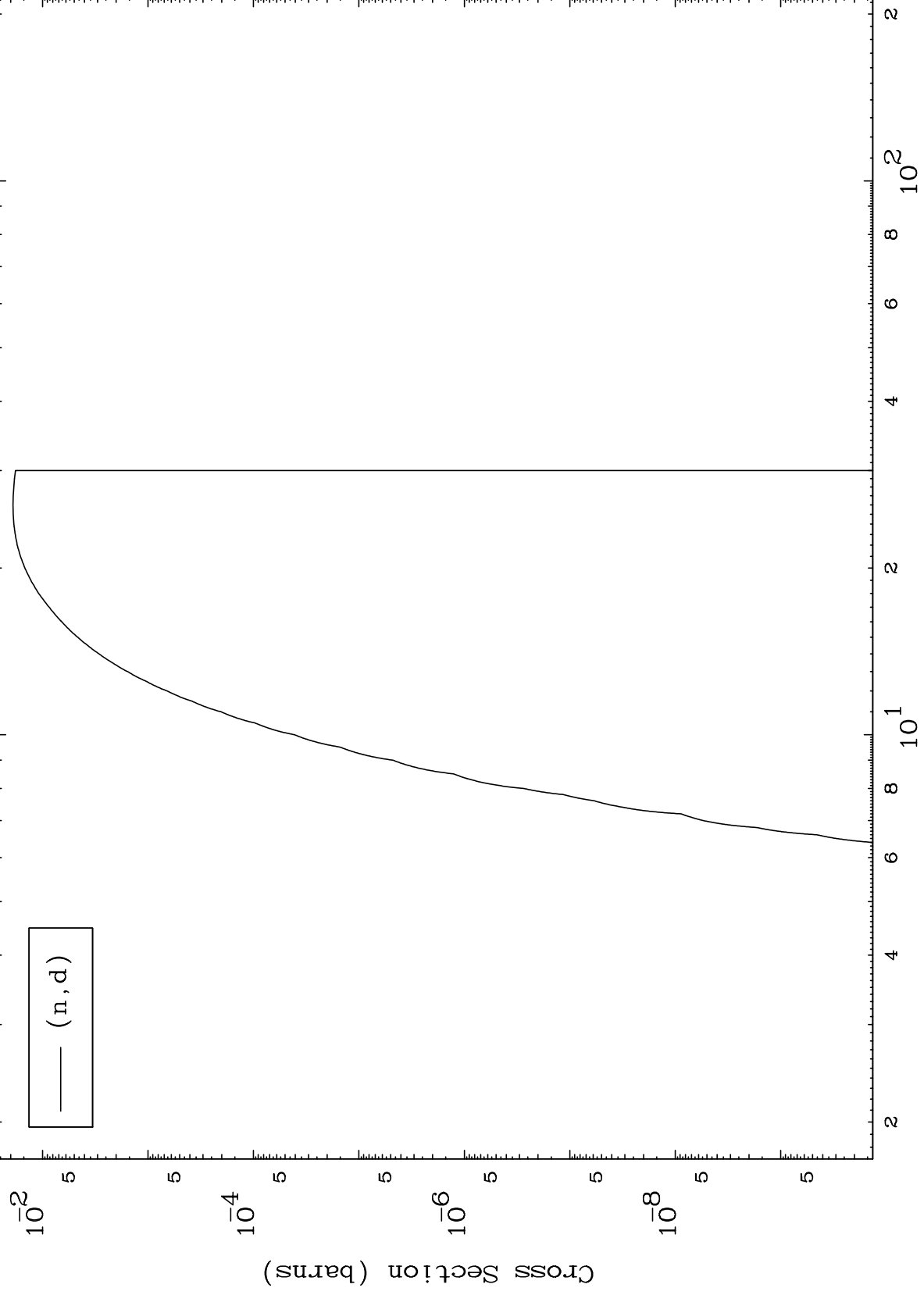
⁷²Hf-177n



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(n,d) Levels
293 Kelvin Cross Sections

⁷²Hf-177n



10

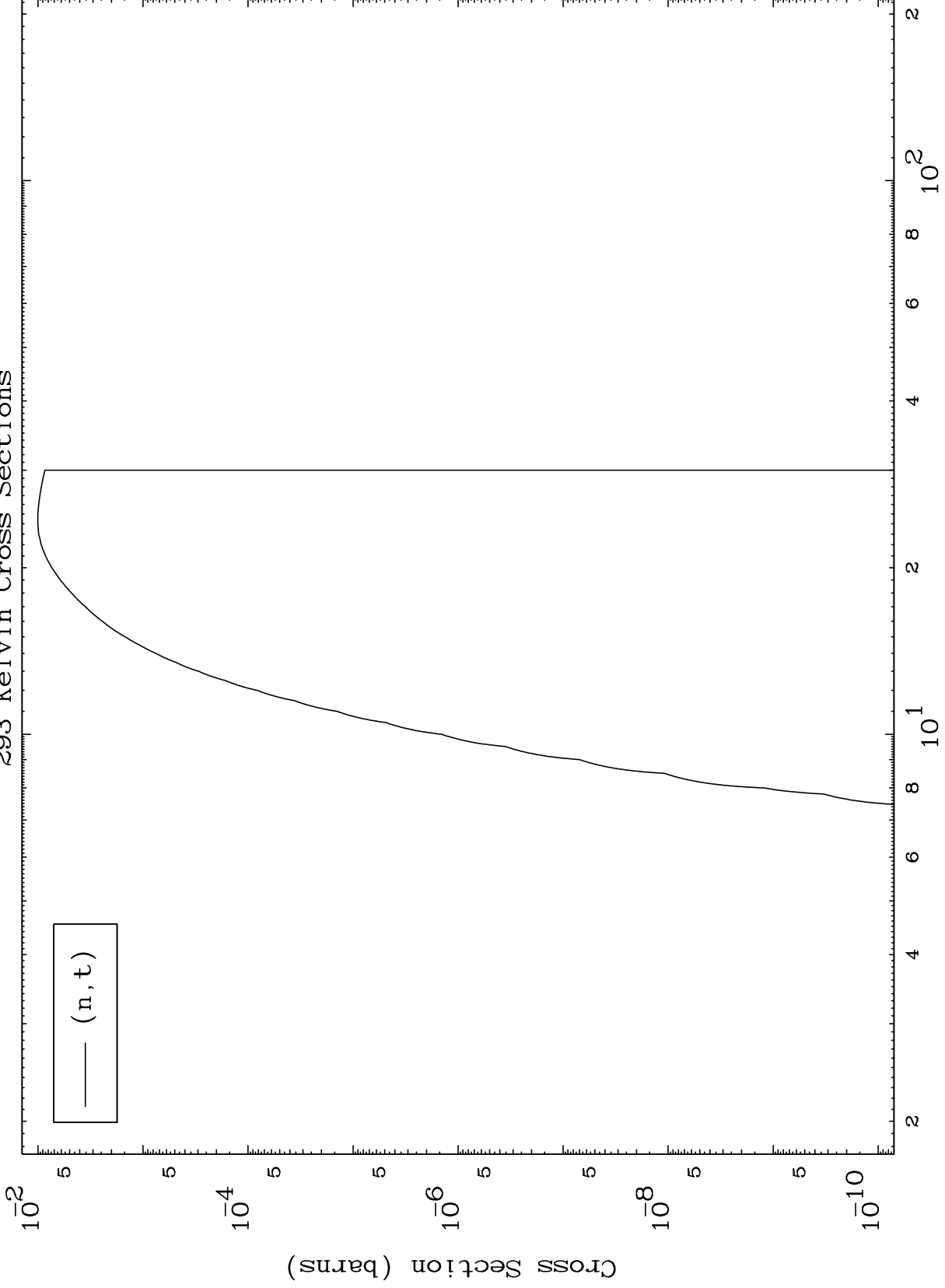
Incident Energy (MeV)

⁷²Hf-177n

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(n,t) Levels
293 Kelvin Cross Sections

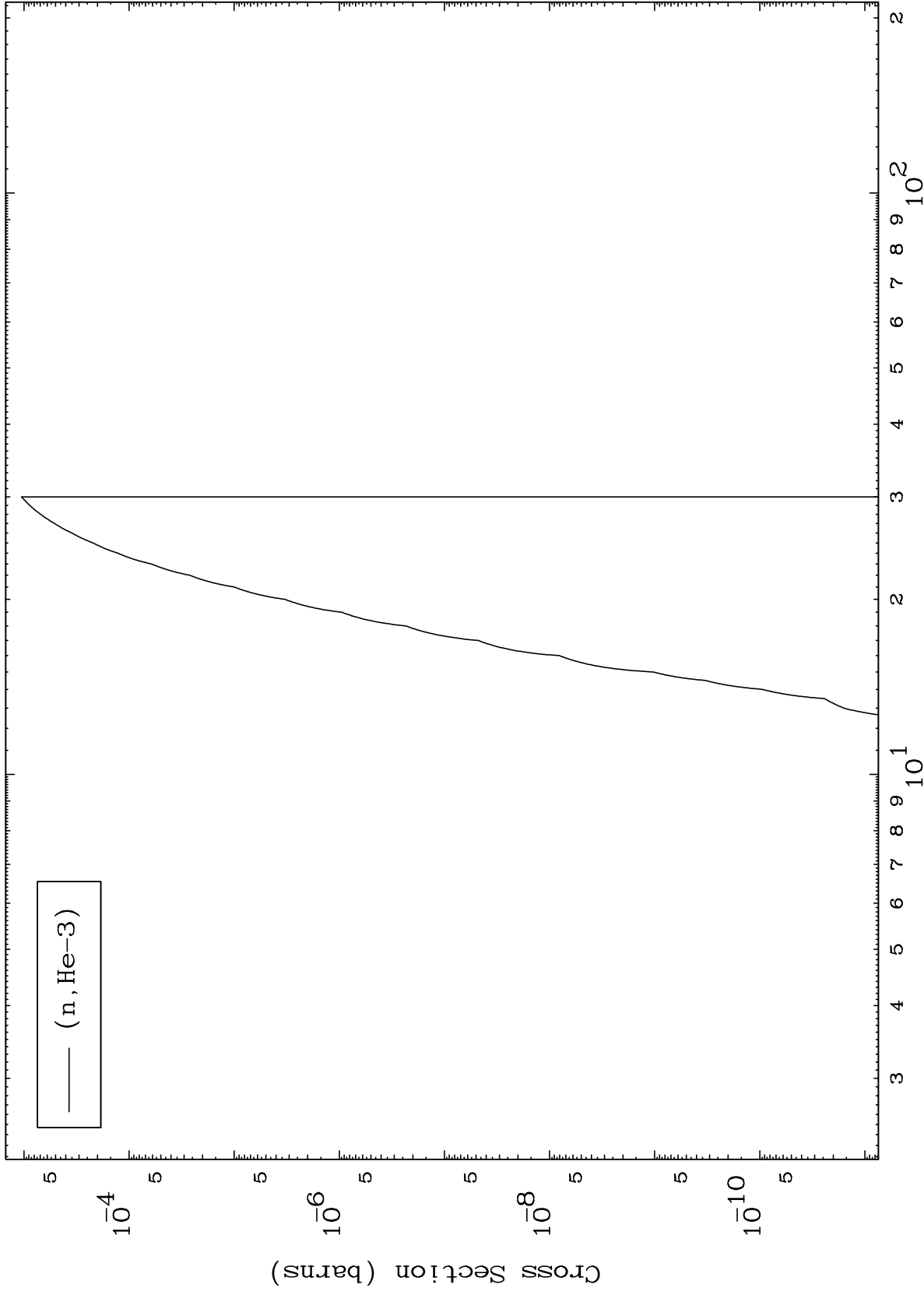
⁷²Hf-177n



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(n,He3) Levels
293 Kelvin Cross Sections

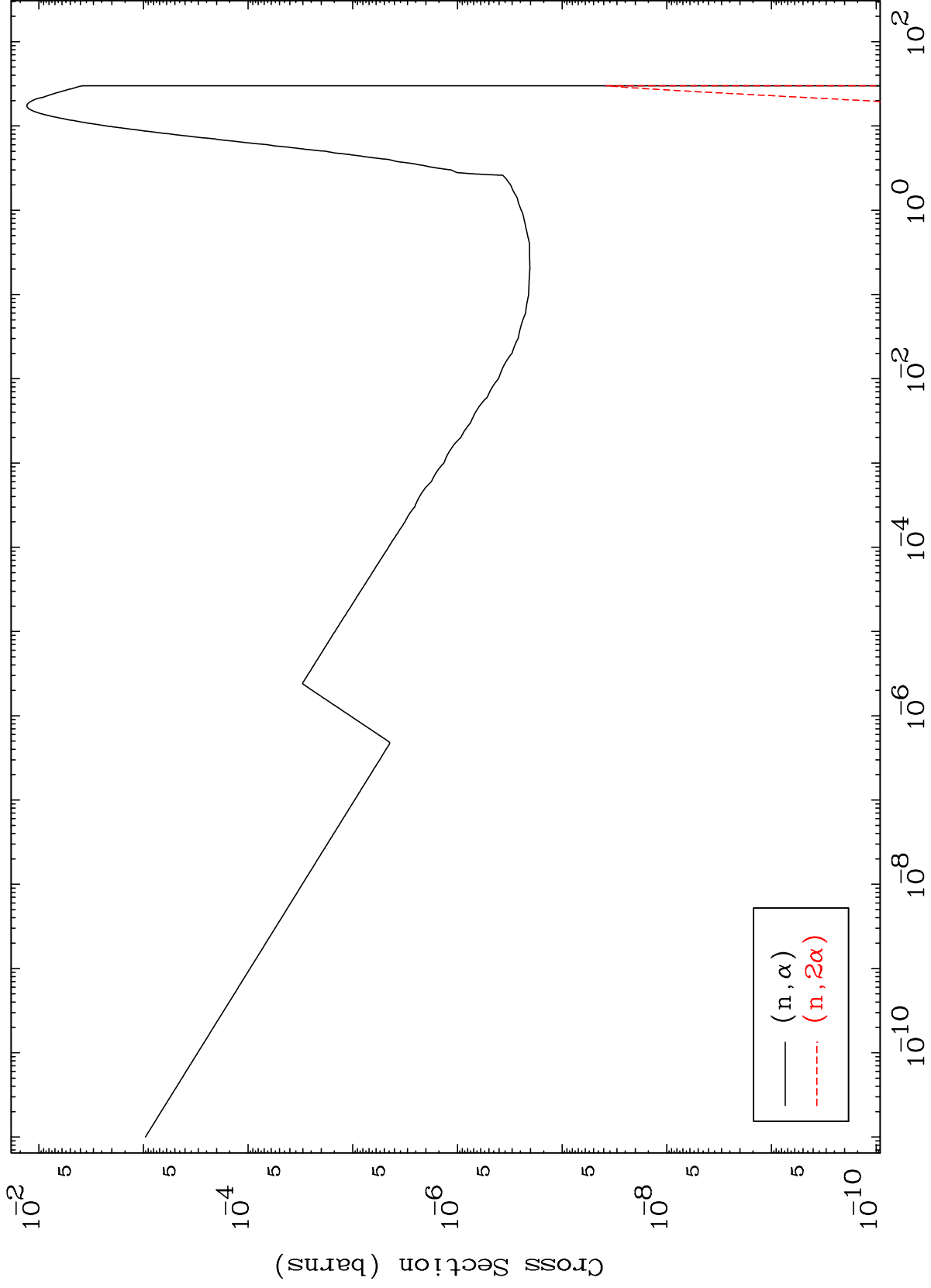
⁷²Hf-177n

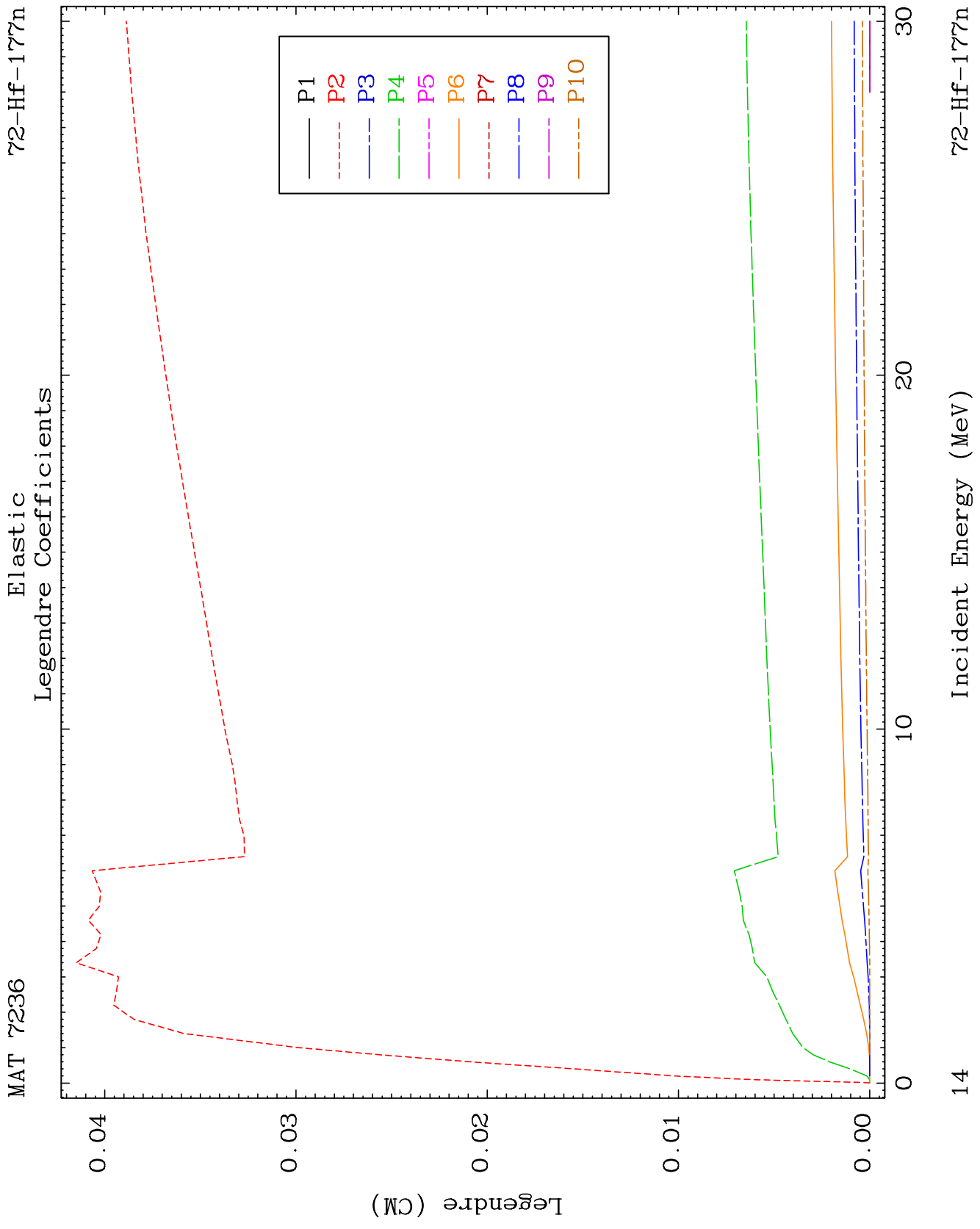


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(n,α) Levels
293 Kelvin Cross Sections

⁷²Hf-177n

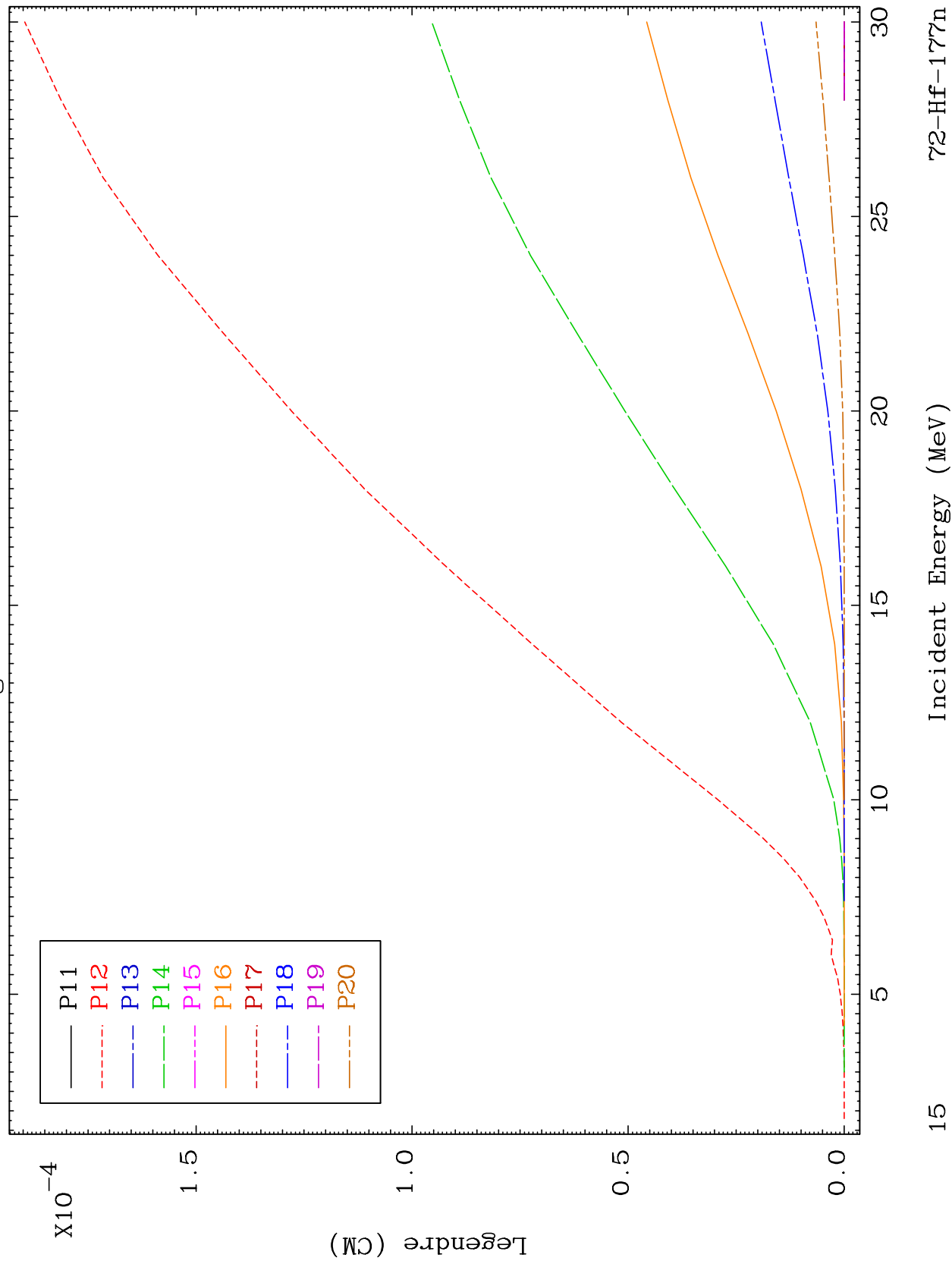




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Elastic Legendre Coefficients

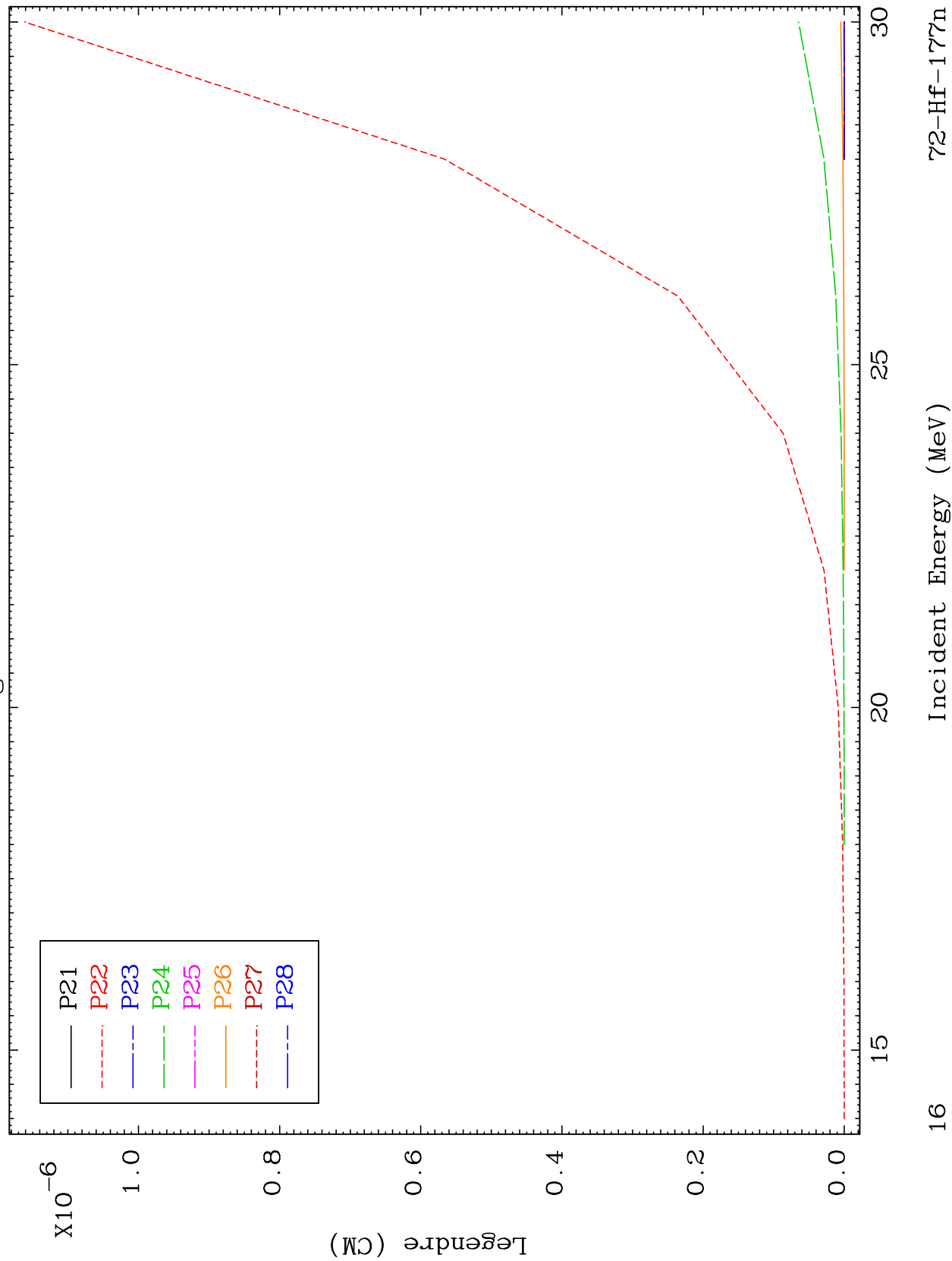
⁷²Hf-177n



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Elastic Legendre Coefficients

⁷²Hf-177n



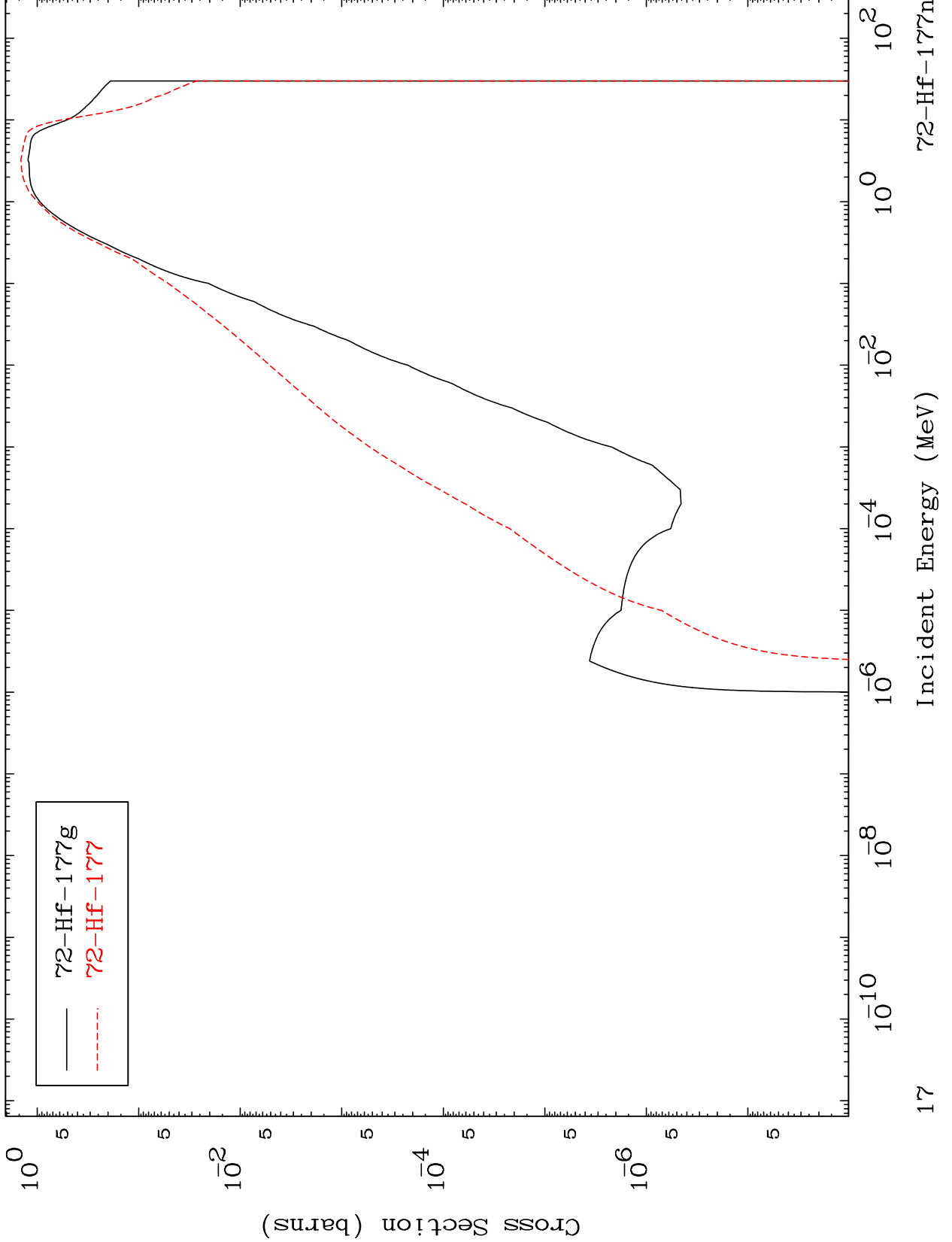
16

⁷²Hf-177n

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Inelastic
Radionuclide Production Cross Section

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

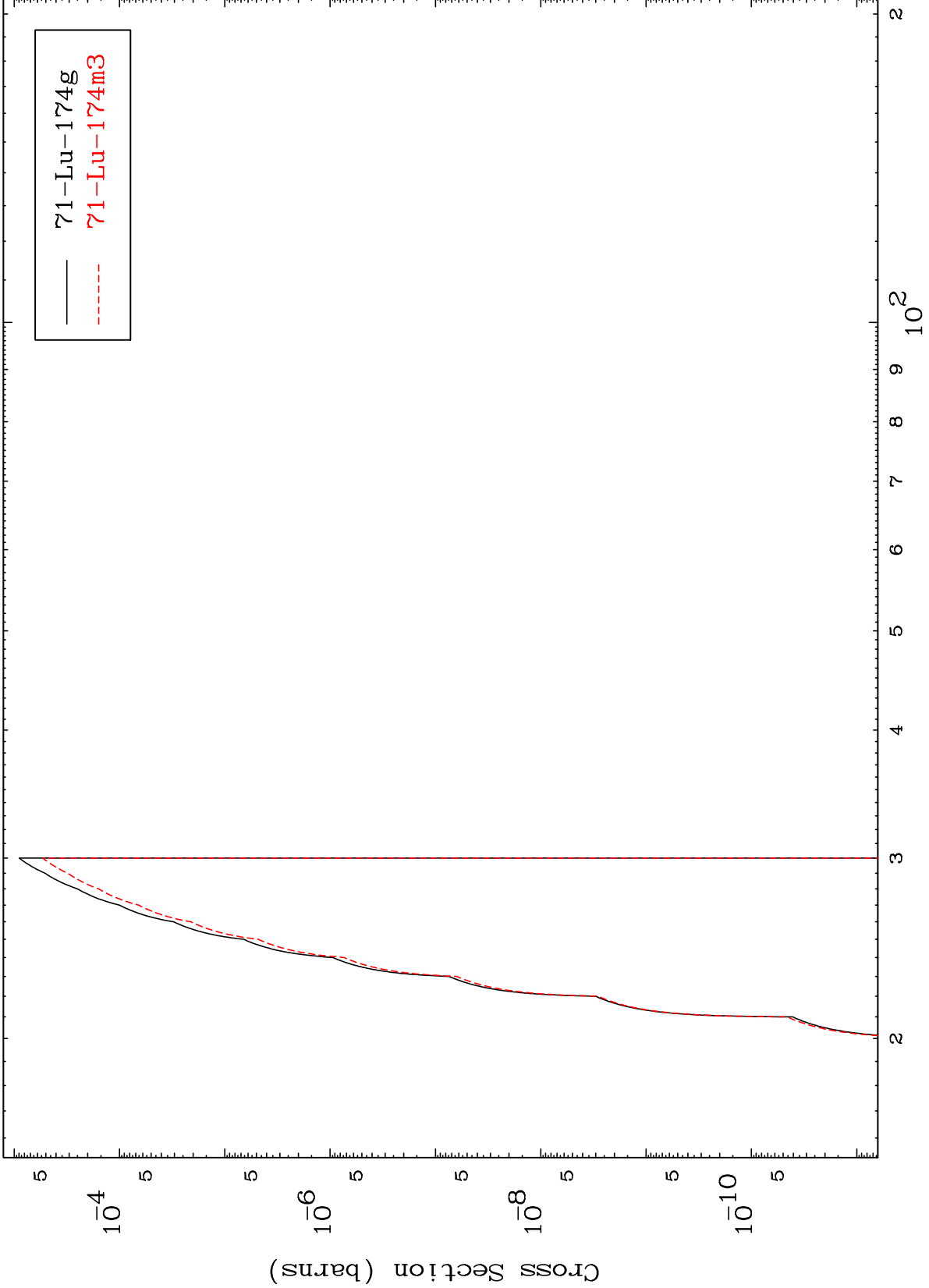


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(n,2n) d

⁷²Hf-¹⁷⁷n

Radionuclide Production Cross Section



71-Lu-174g
71-Lu-174m3

18

Incident Energy (MeV)

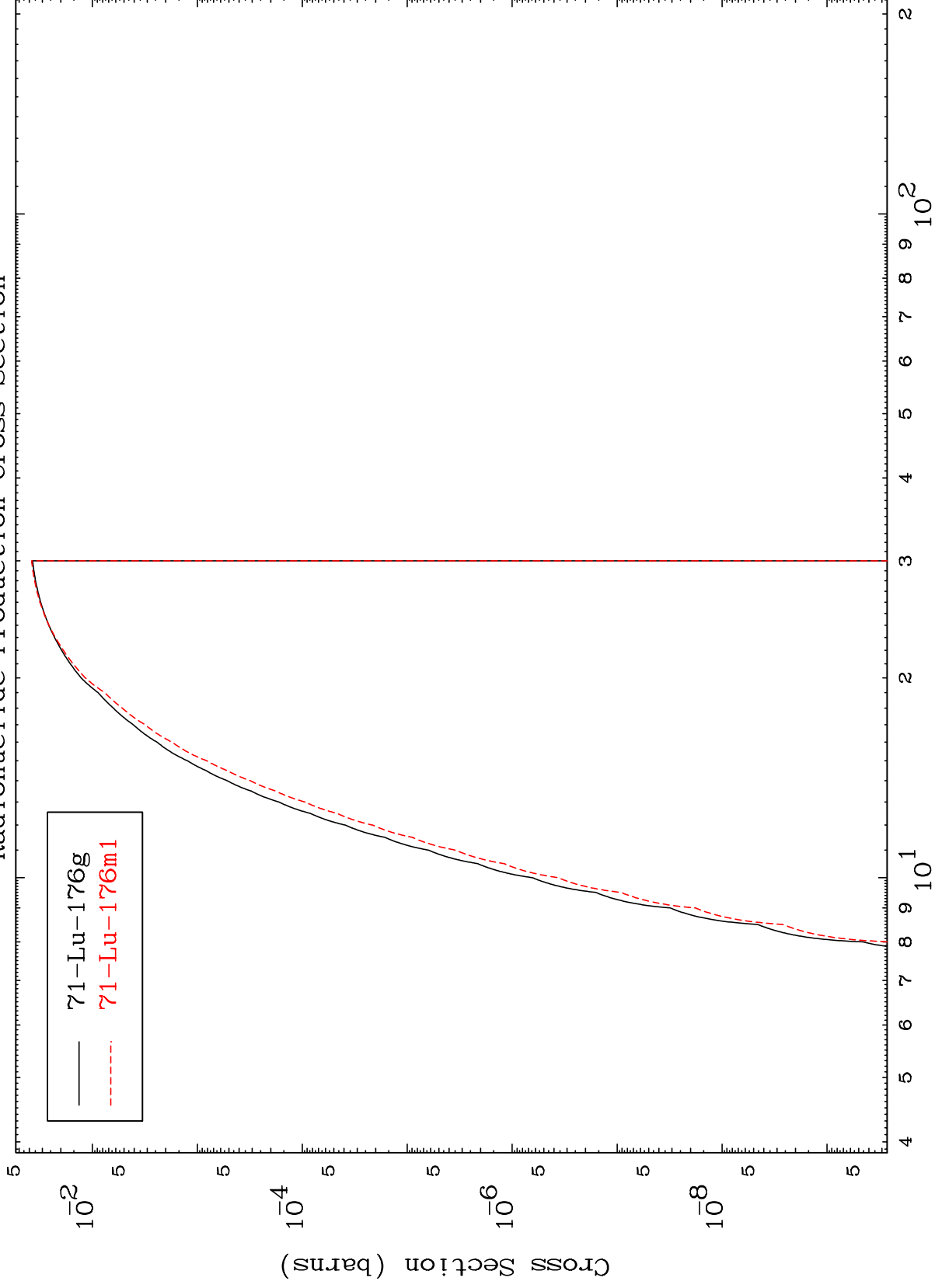
⁷²Hf-¹⁷⁷n

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(n,n') p

⁷²Hf-177n

Radionuclide Production Cross Section



19

Incident Energy (MeV)

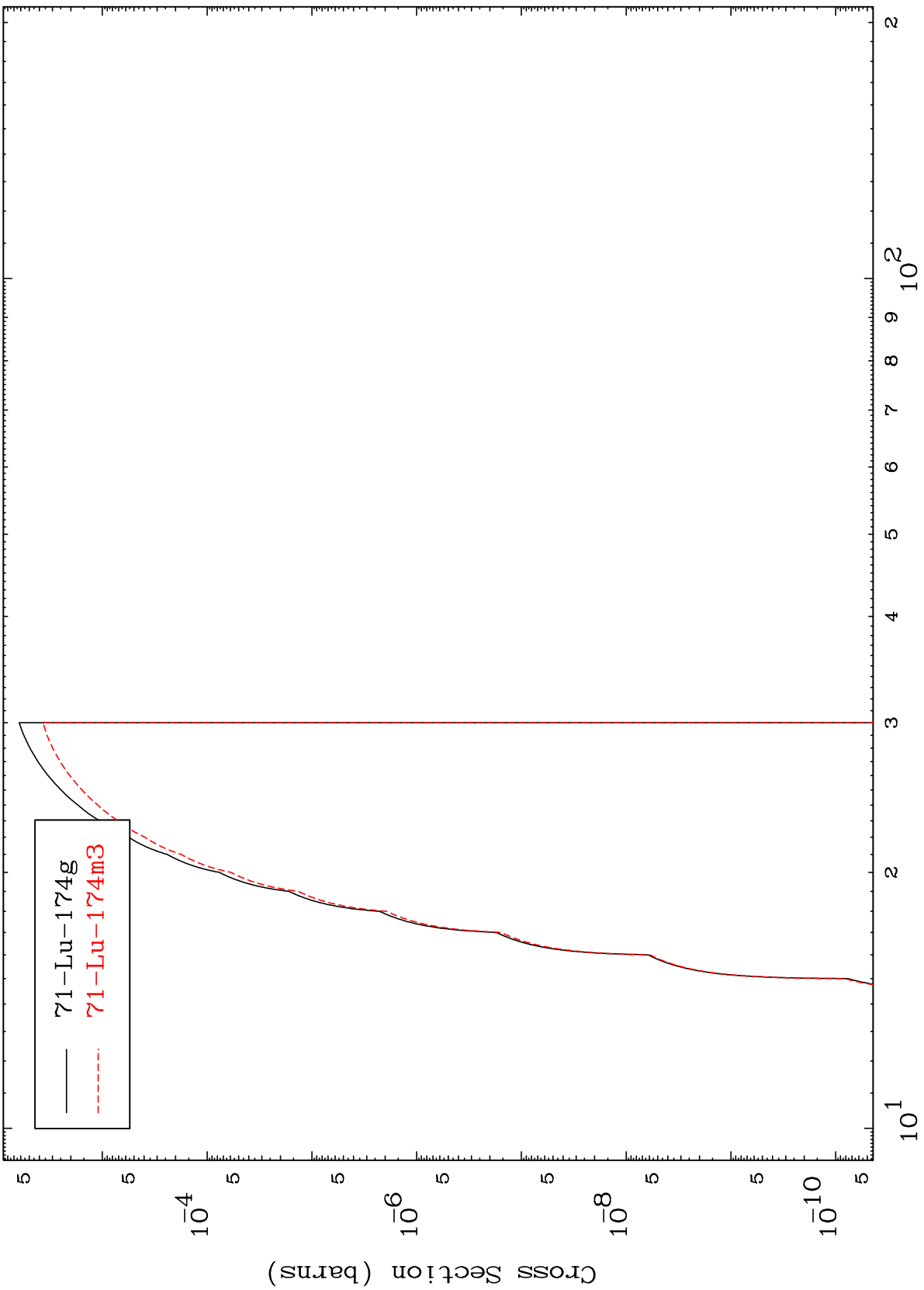
⁷²Hf-177n

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(n,n') t

⁷²Hf-¹⁷⁷n

Radionuclide Production Cross Section



Incident Energy (MeV)

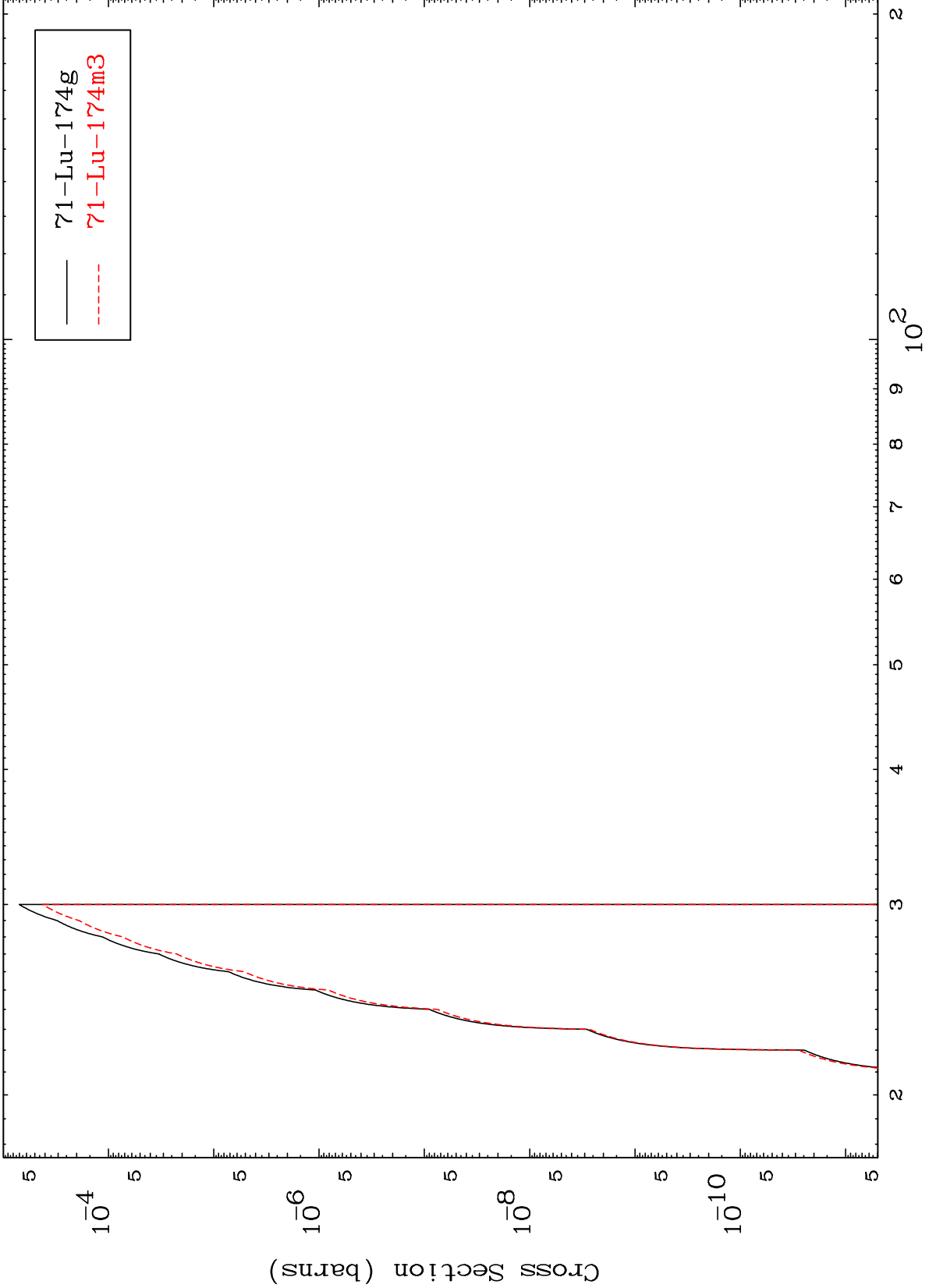
⁷²Hf-¹⁷⁷n

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(n,3n) p

⁷²Hf-177n

Radionuclide Production Cross Section



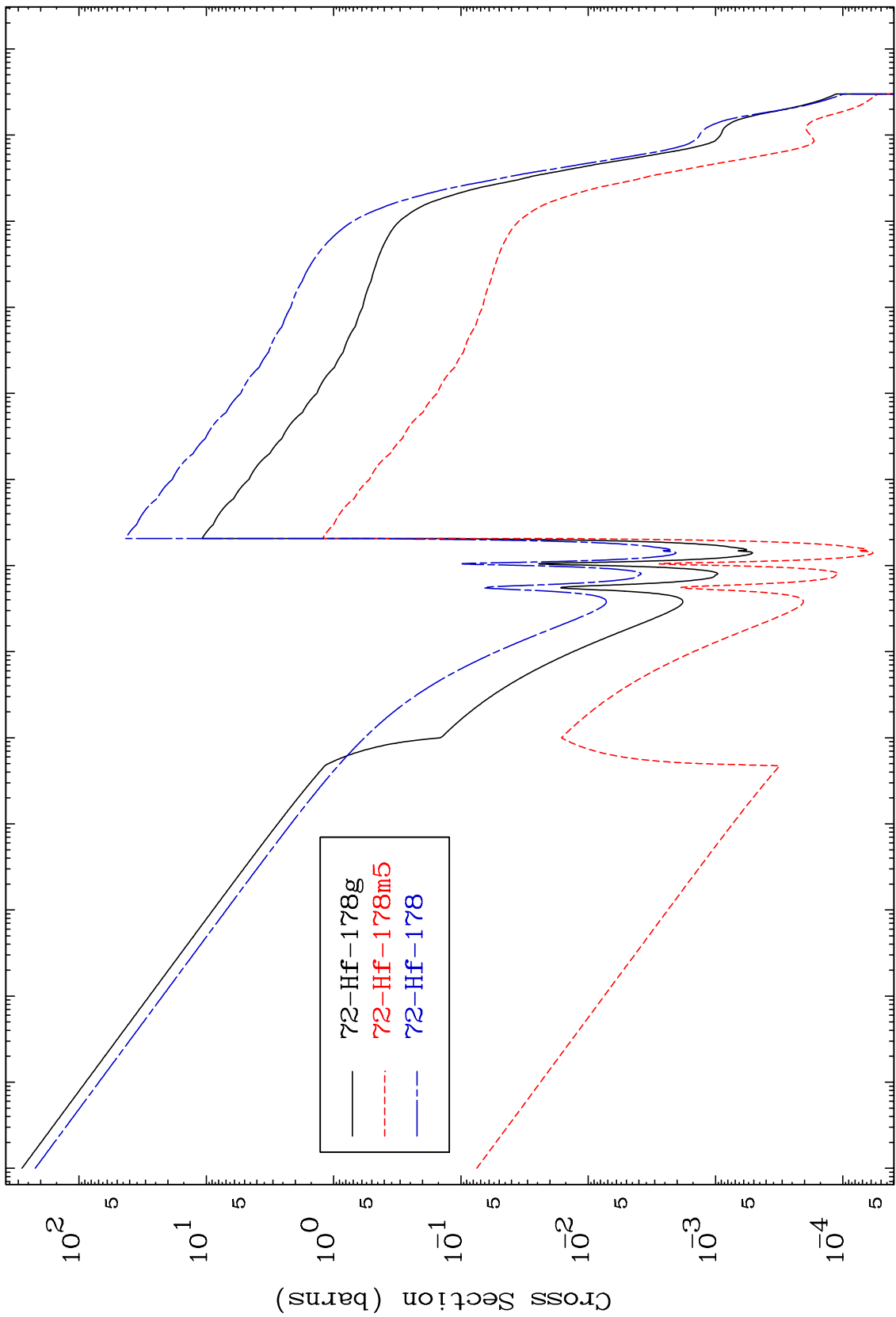
21

Incident Energy (MeV)

⁷²Hf-177n

Radionuclide Production Cross Section

(n, γ)

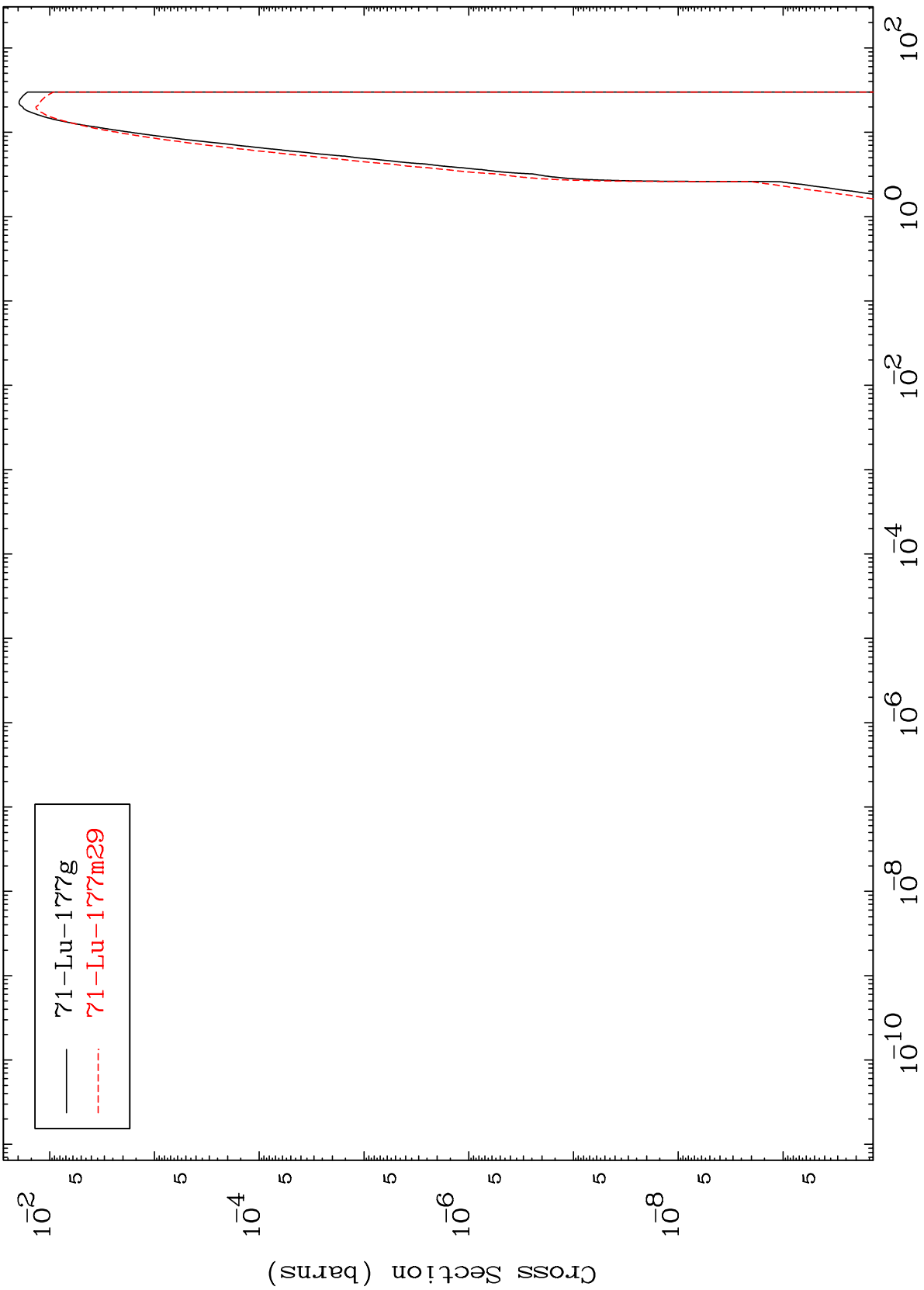


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(n,p)

⁷²Hf-¹⁷⁷n

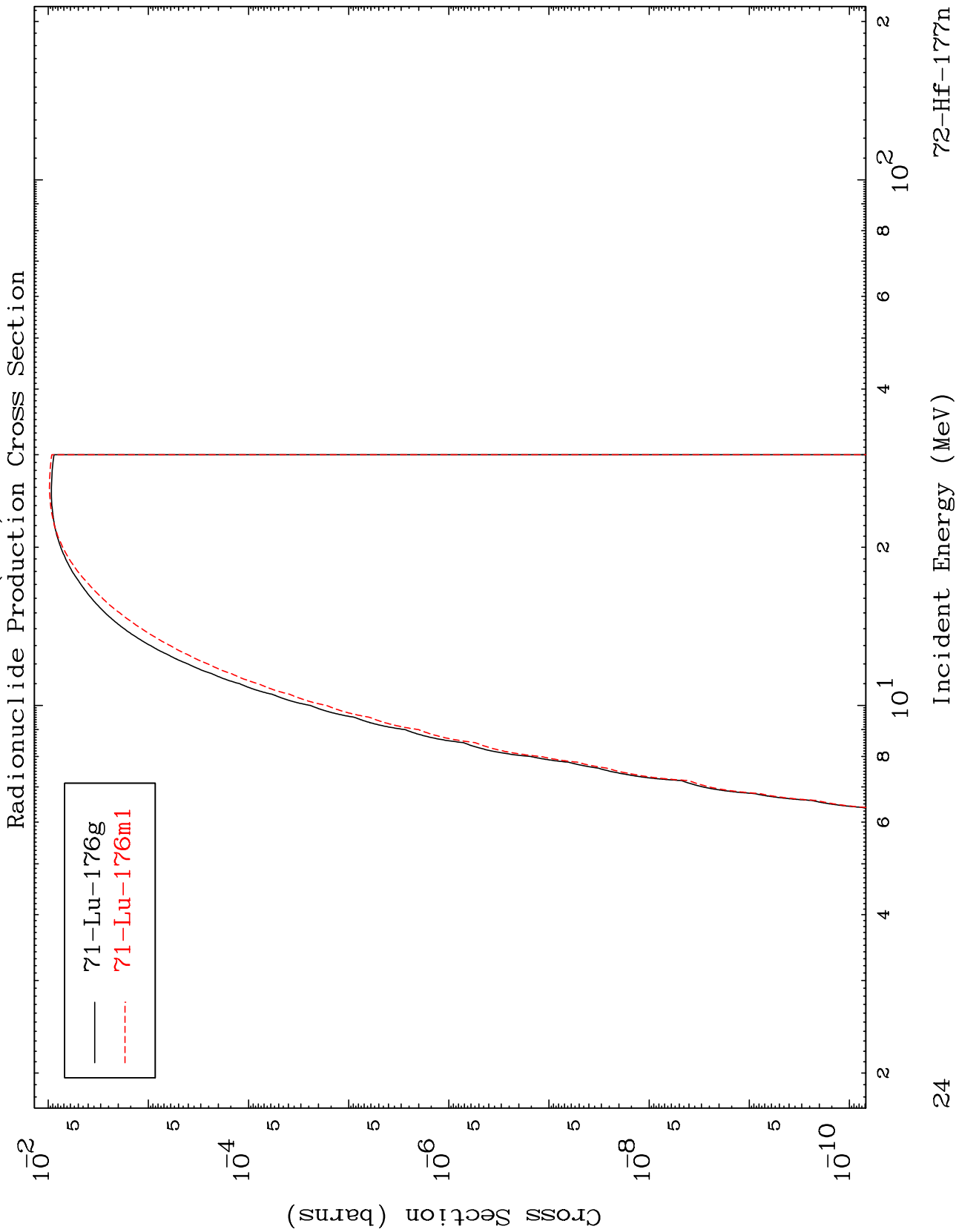
Radionuclide Production Cross Section



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(n, d)

⁷²Hf-¹⁷⁷n

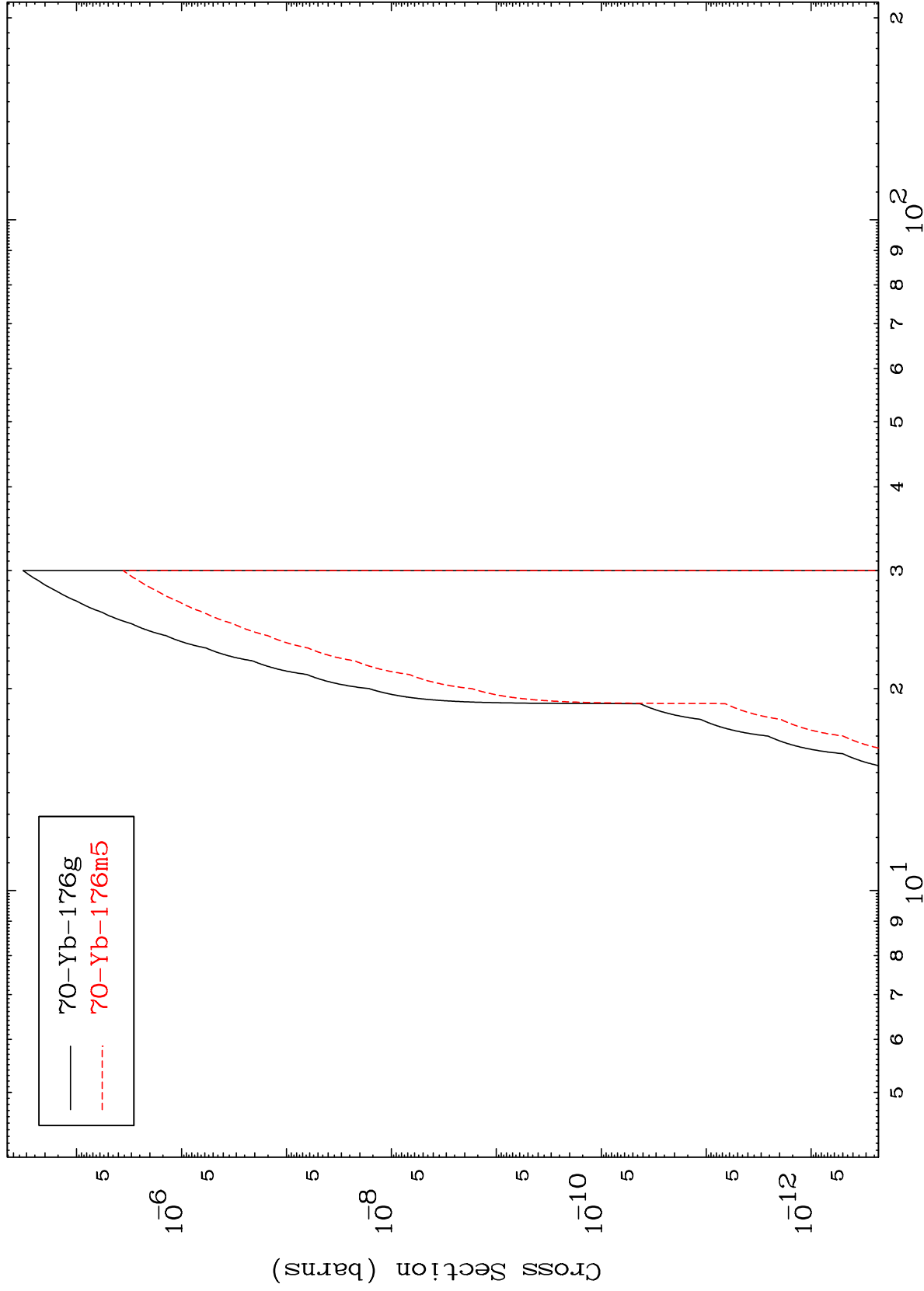


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(n,2p)

⁷²Hf-177n

Radionuclide Production Cross Section



25

Incident Energy (MeV)

⁷²Hf-177n