

Program EVALPLOT
(Version 2021-1)

by

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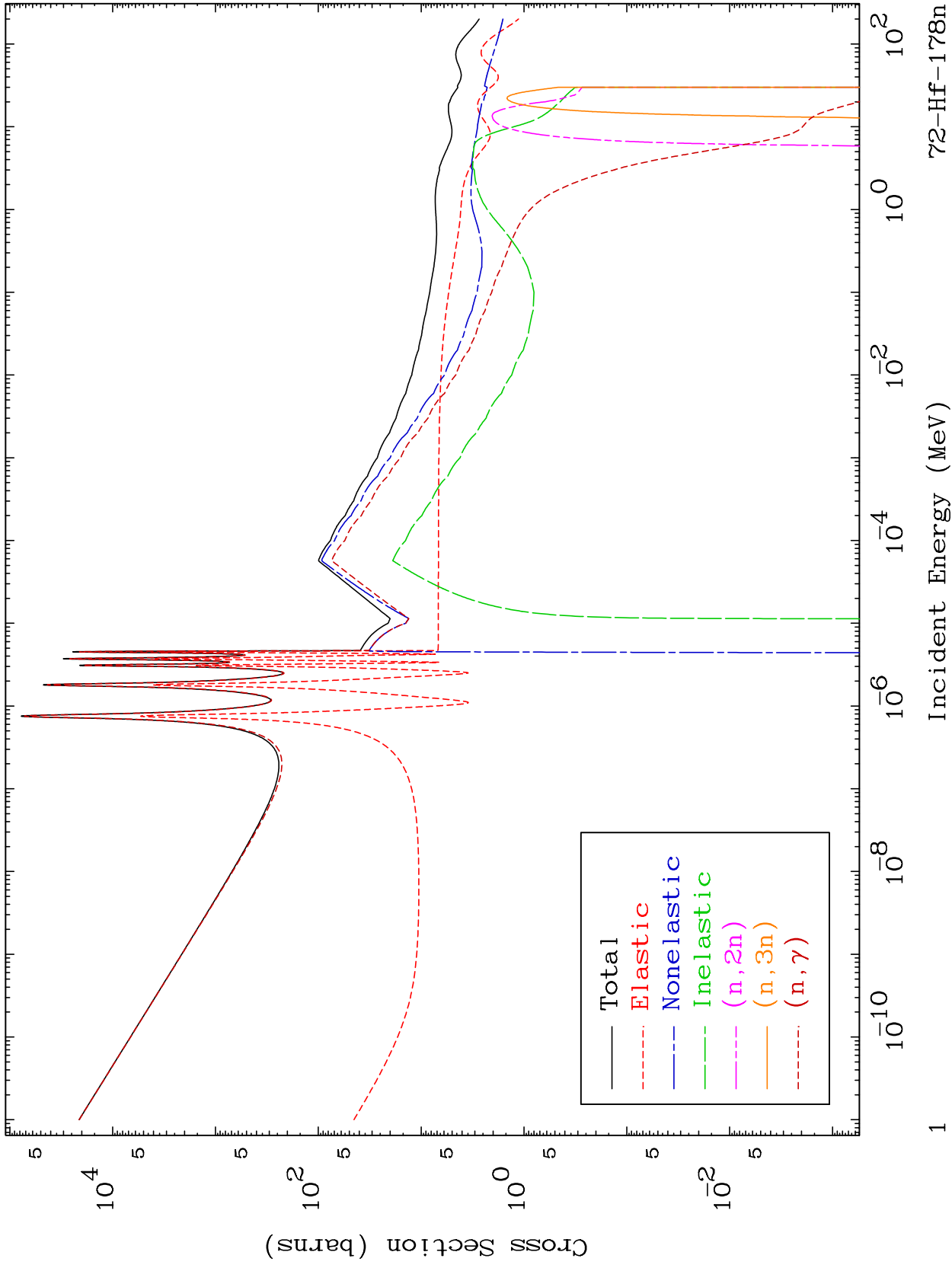
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7239

Neutron Major
293 Kelvin Cross Sections

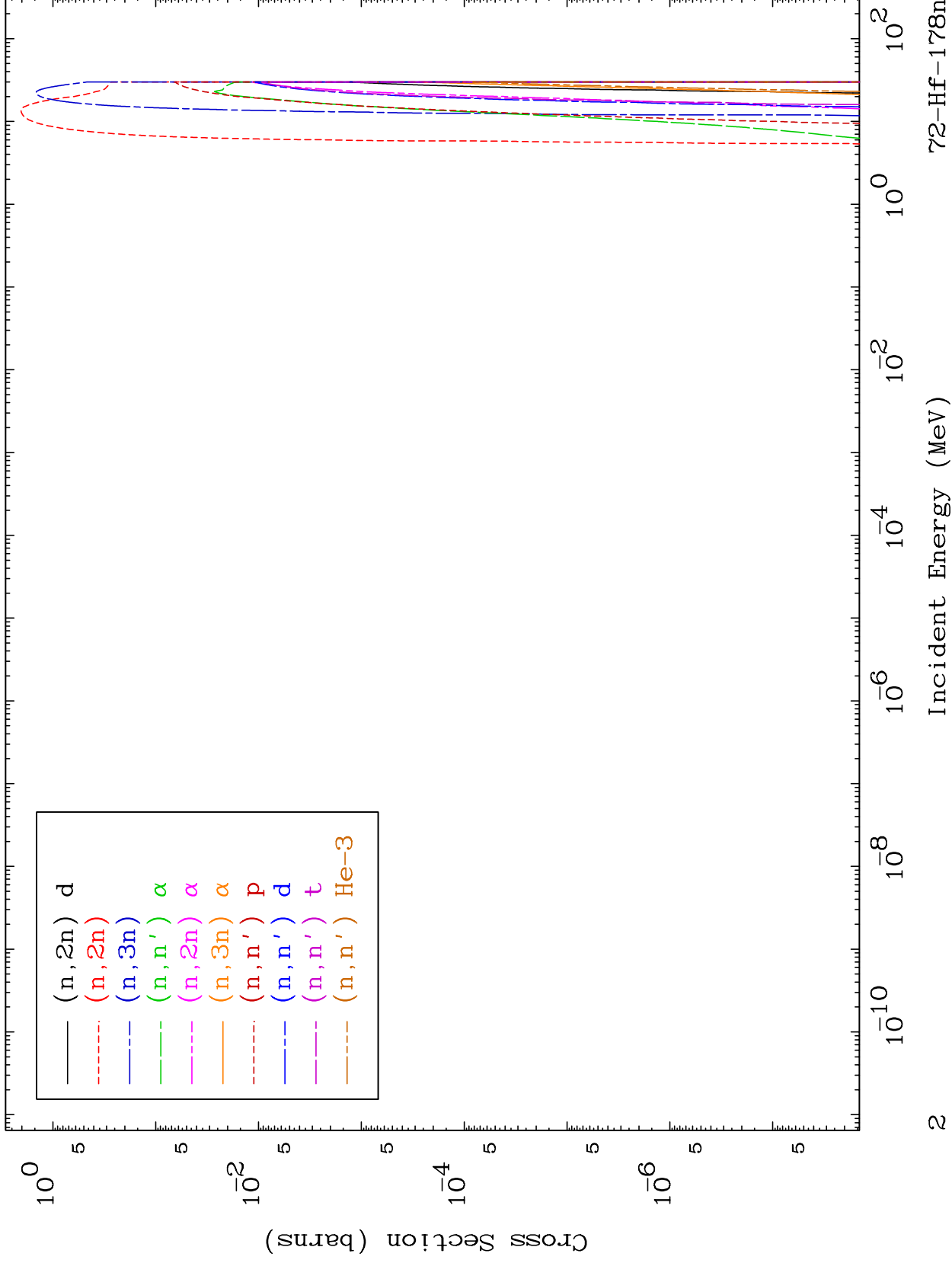
⁷²Hf-178n



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Neutron Absorption
293 Kelvin Cross Sections

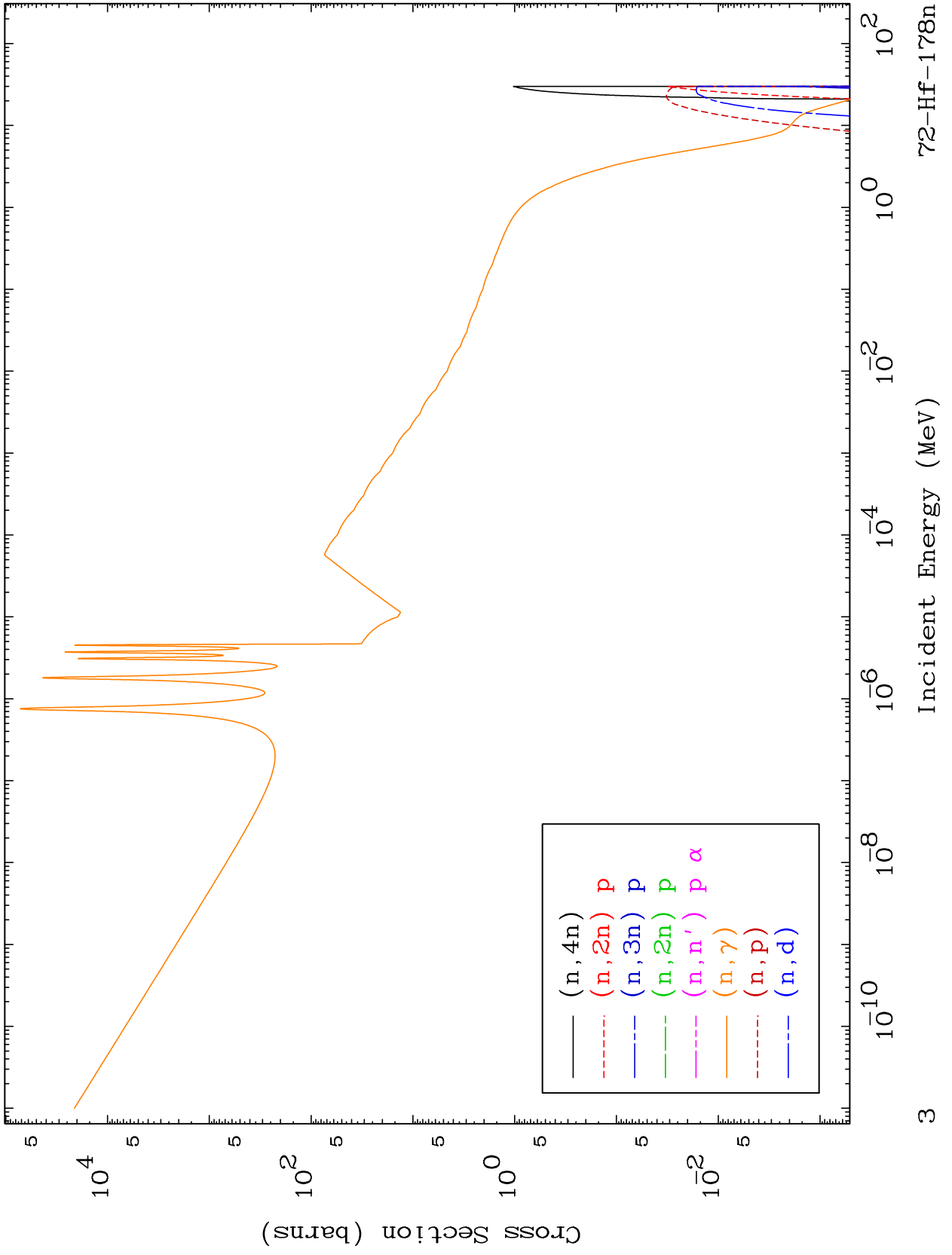
⁷²Hf-178n



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Neutron Absorption
293 Kelvin Cross Sections

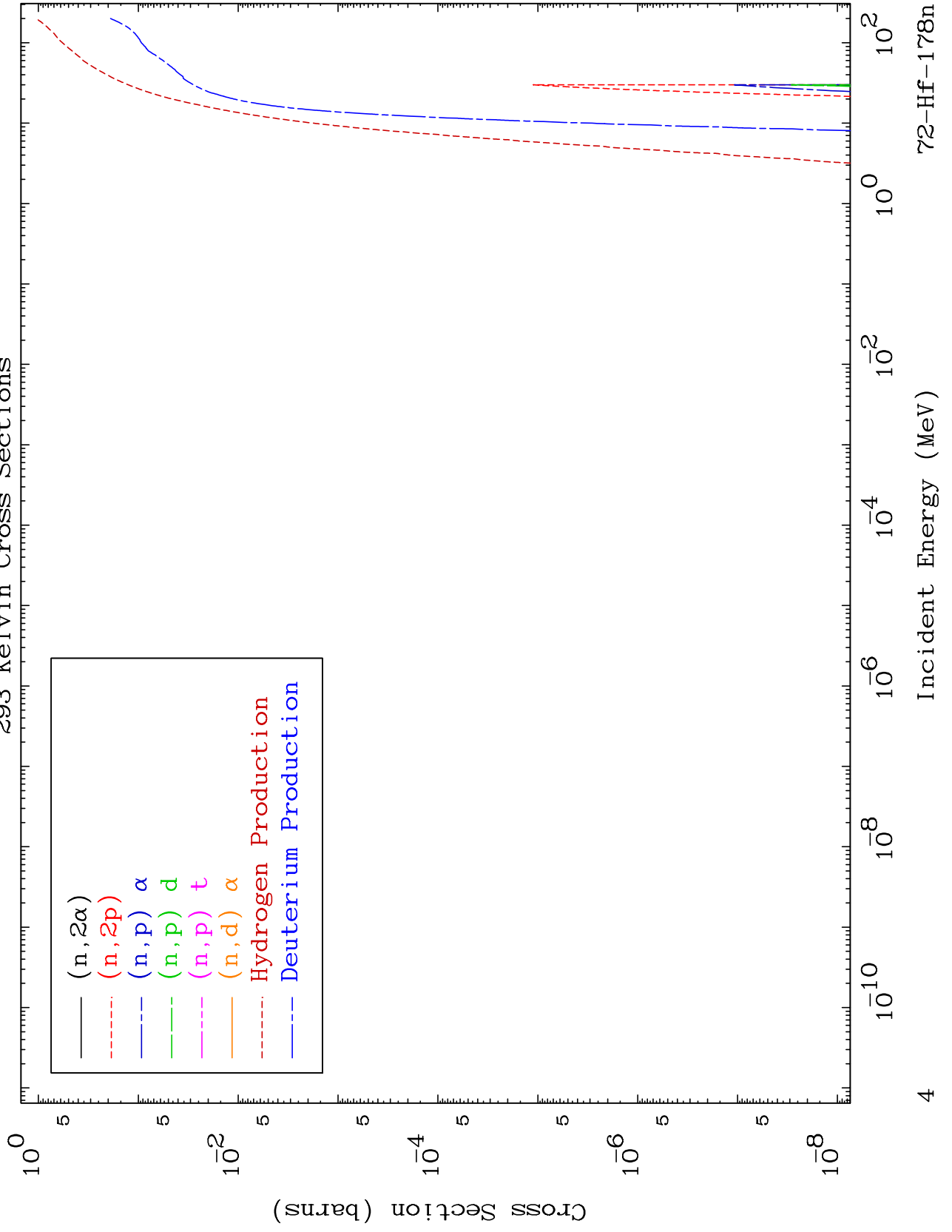
⁷²Hf-178n



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Neutron Absorption
293 Kelvin Cross Sections

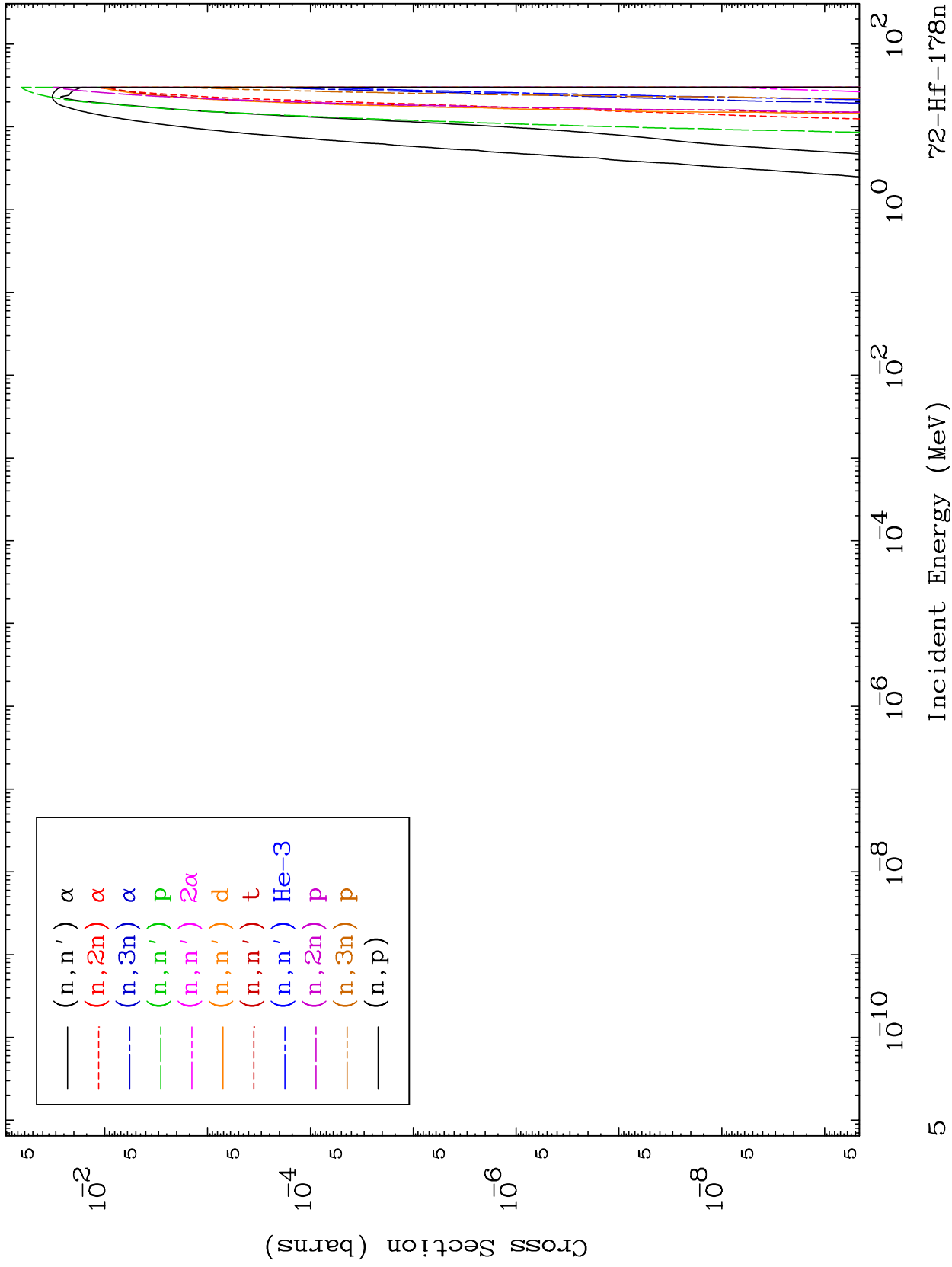
⁷²Hf-178n



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Charged Particle
293 Kelvin Cross Sections

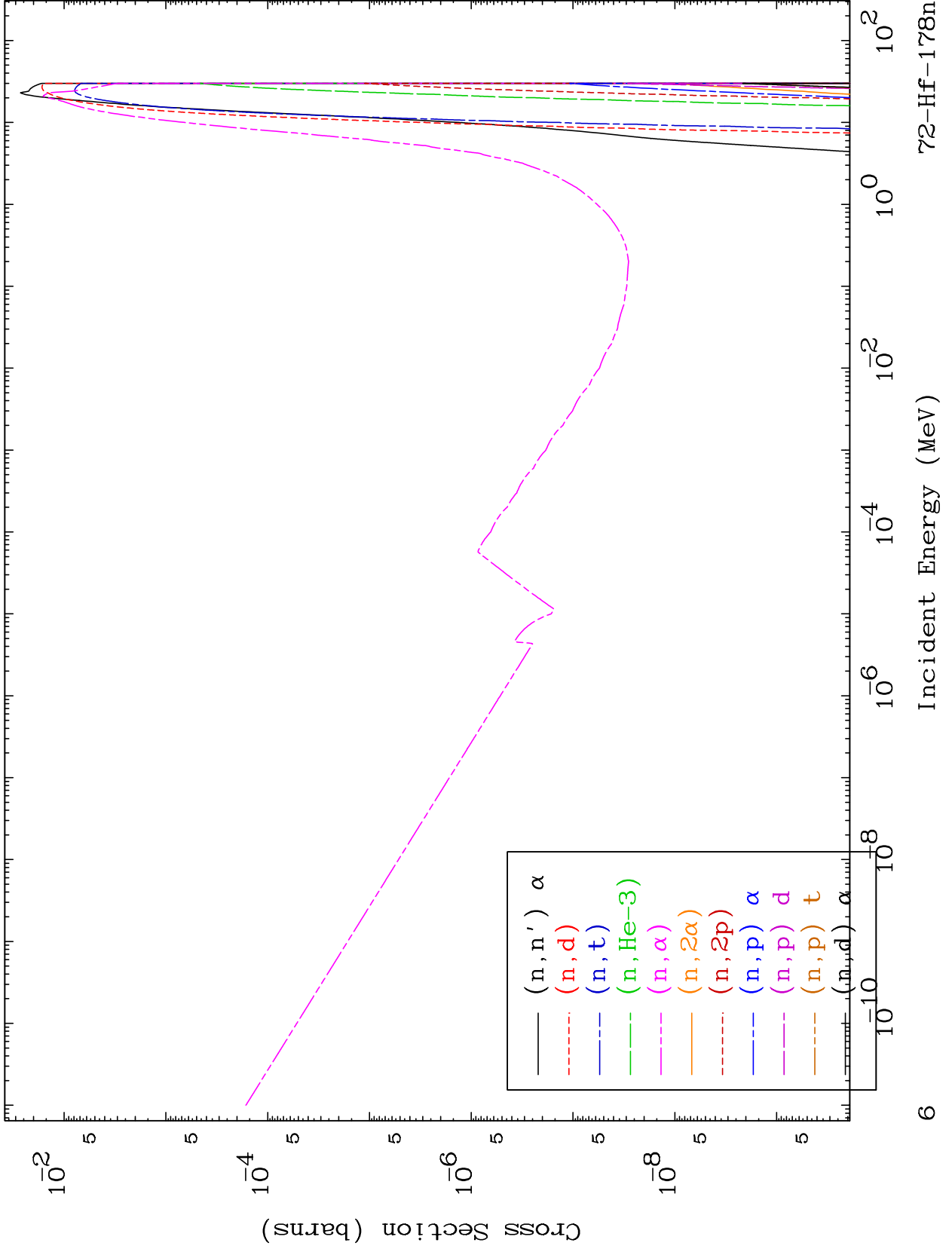
⁷²Hf-178n



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Charged Particle
293 Kelvin Cross Sections

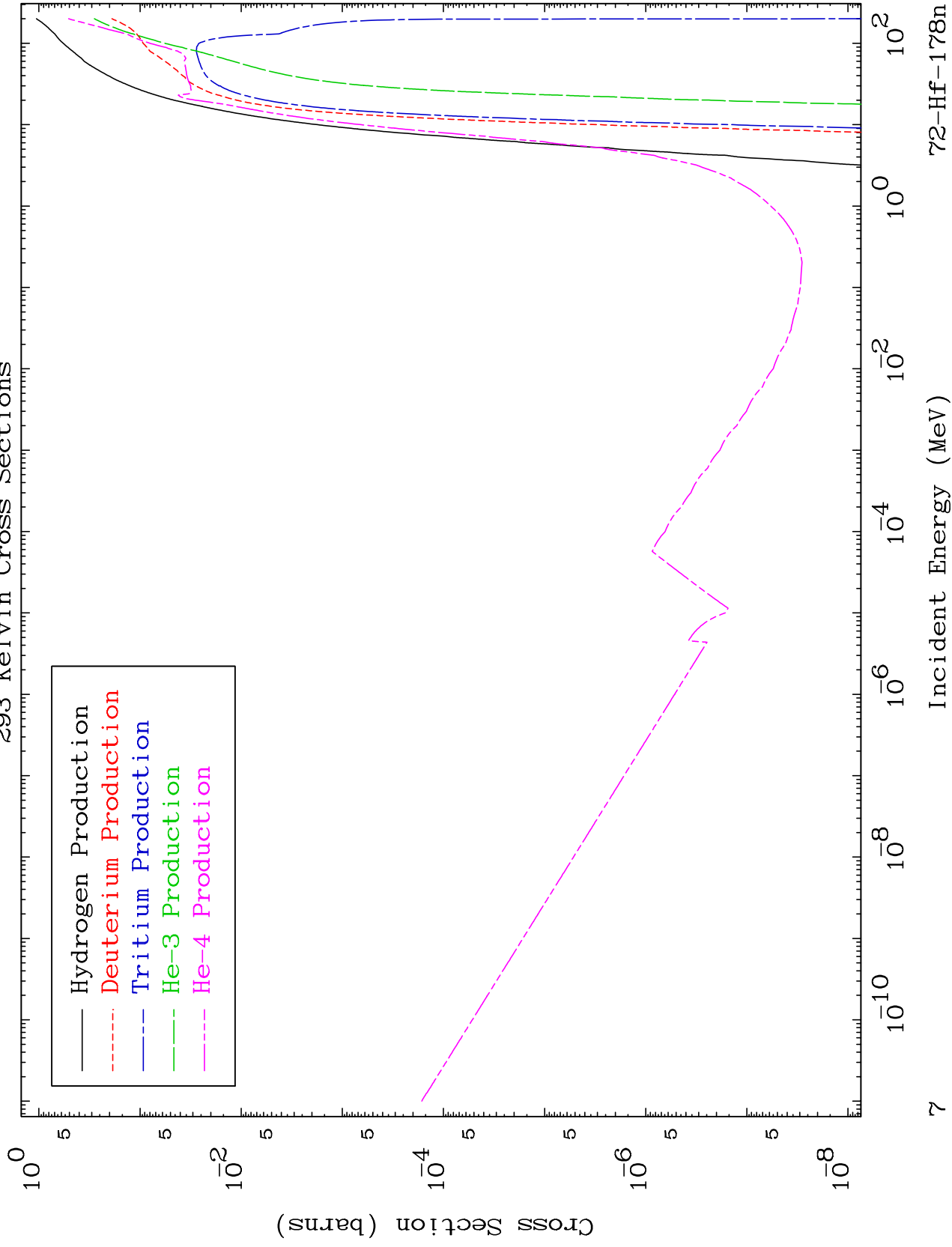
⁷²Hf-178n



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Particle Production
293 Kelvin Cross Sections

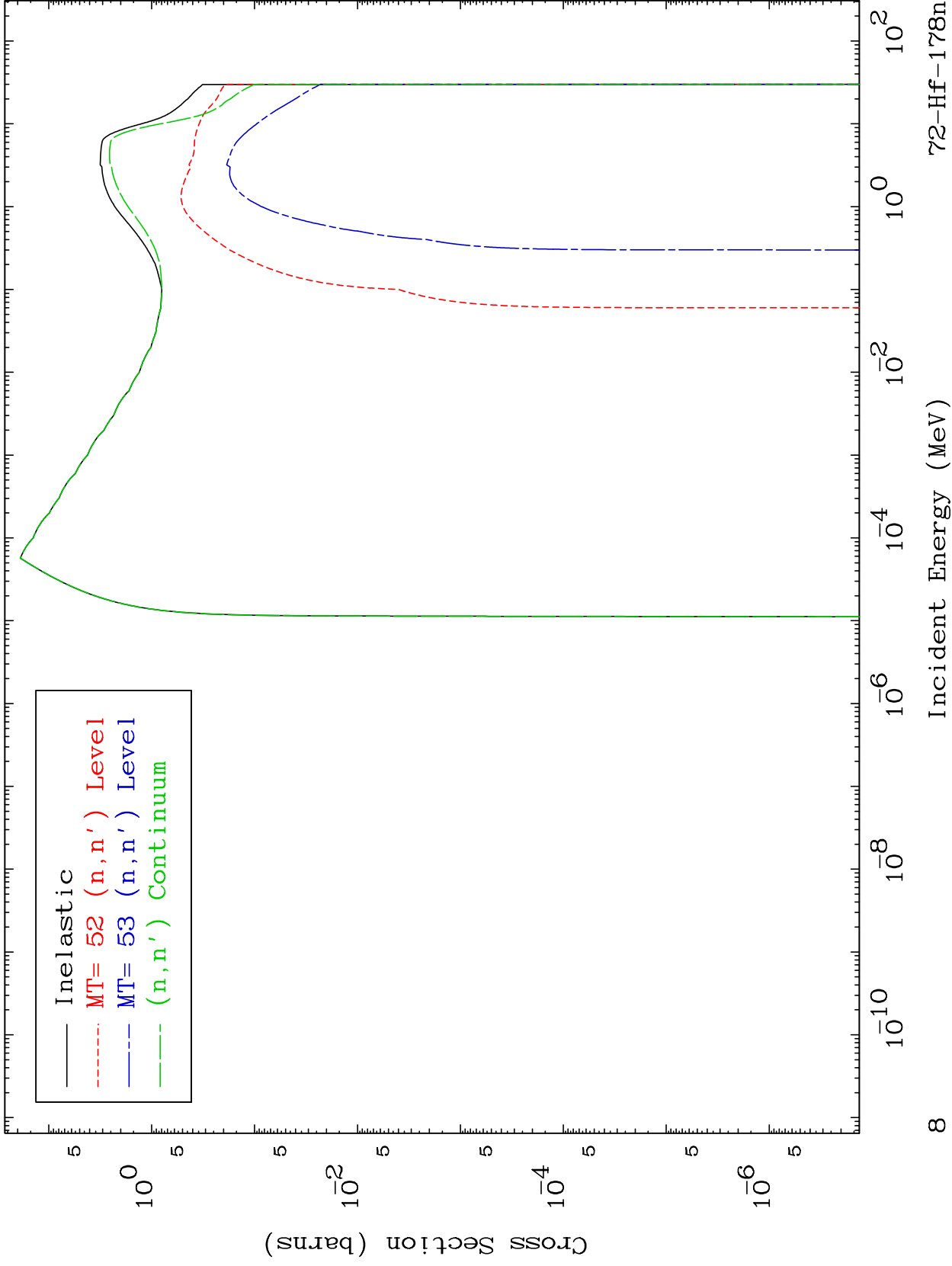
⁷²Hf-178n



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293 Kelvin Cross Sections
(n,n') Levels

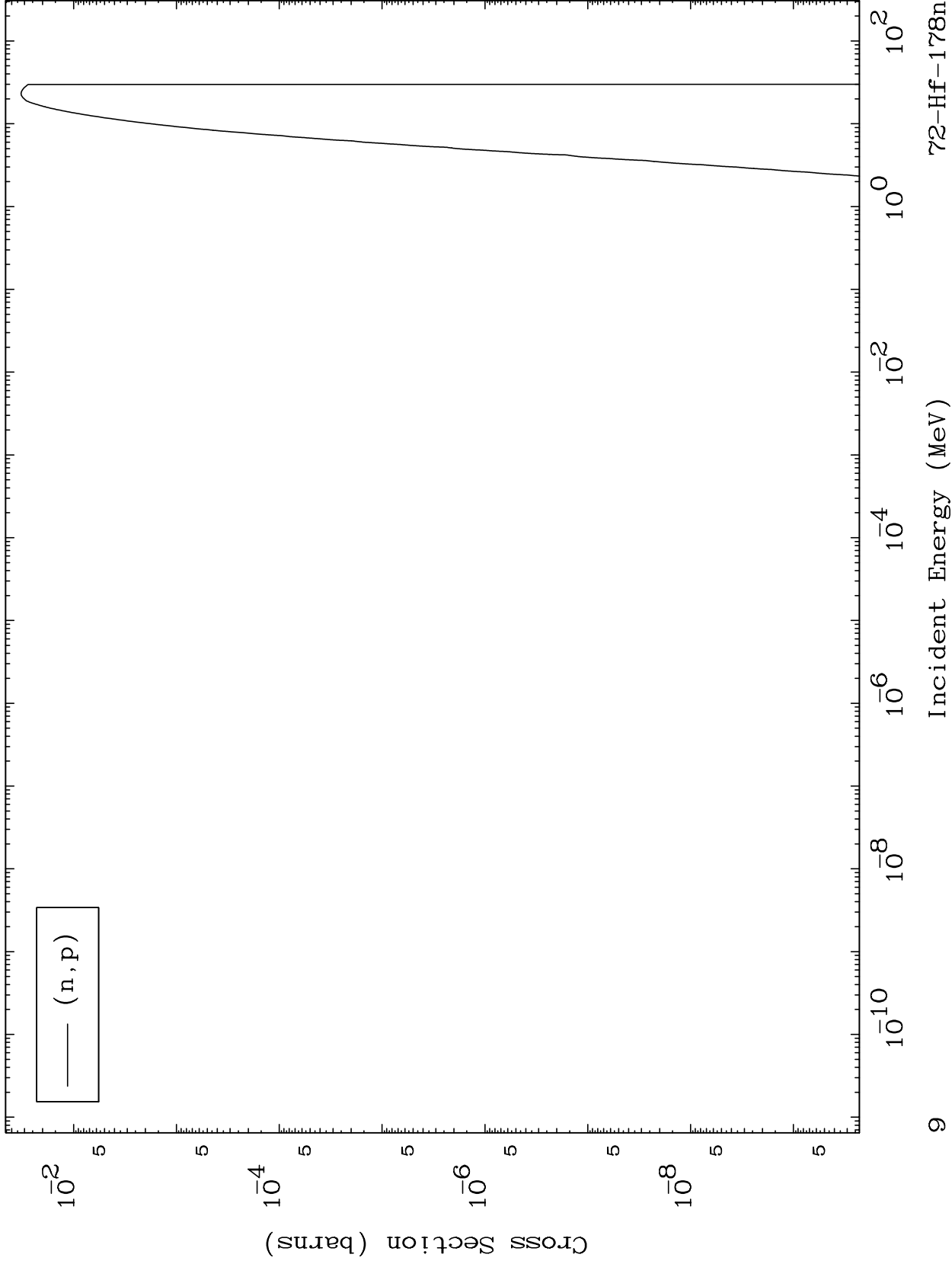
72-Hf-178n



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(n,p) Levels
293 Kelvin Cross Sections

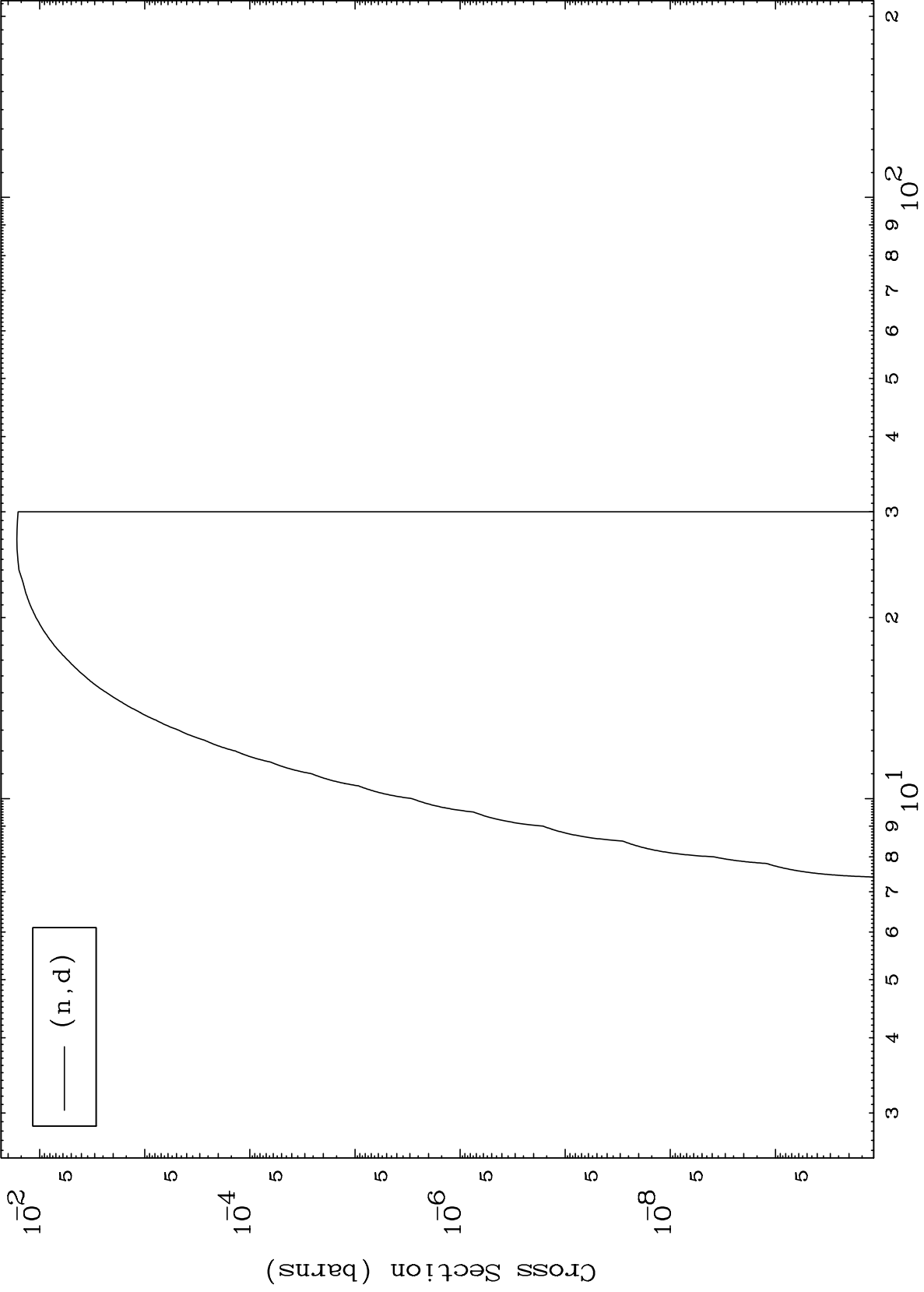
72-Hf-178n



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(n,d) Levels
293 Kelvin Cross Sections

72-Hf-178n



10

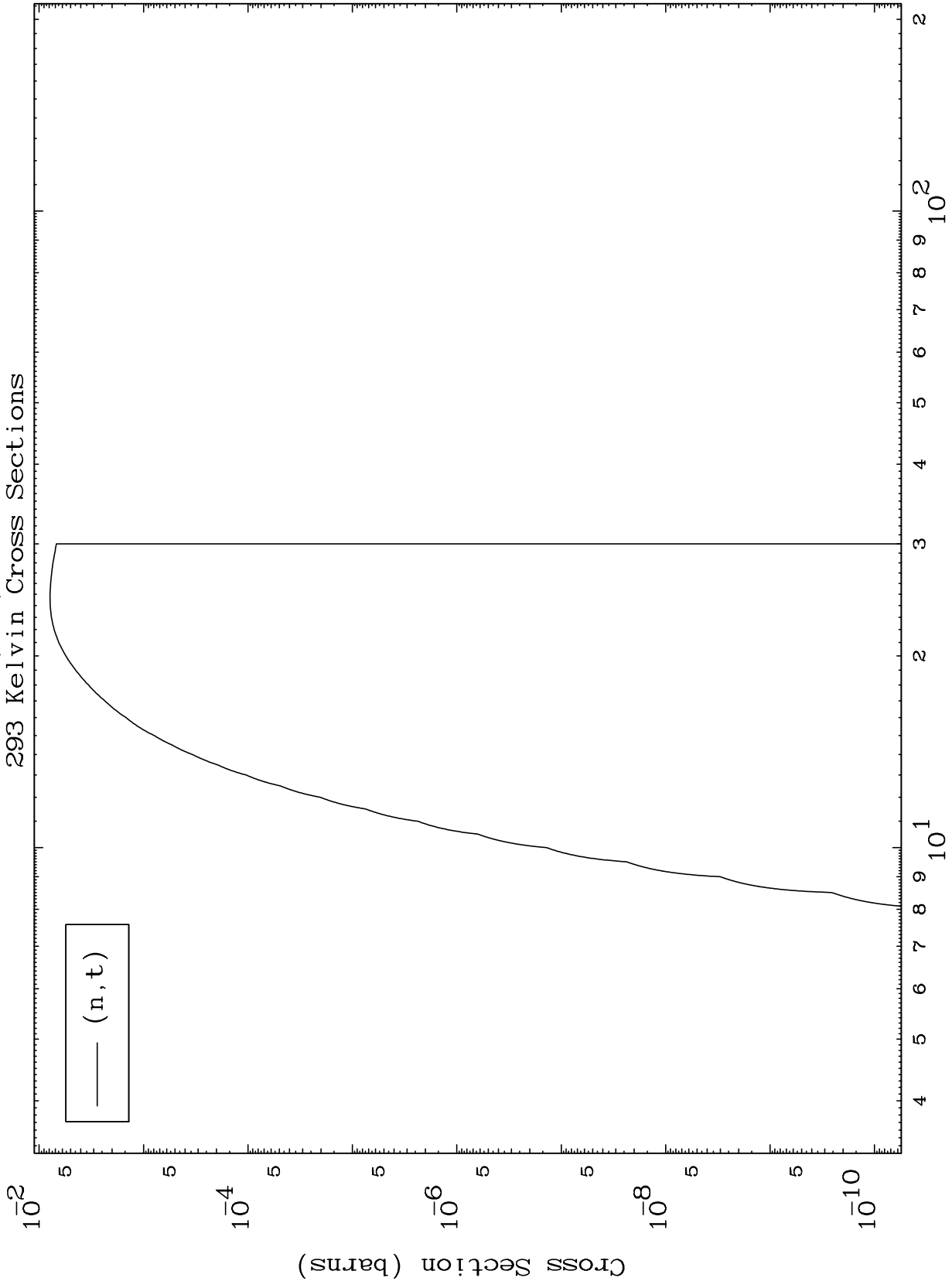
Incident Energy (MeV)

72-Hf-178n

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(n,t) Levels
293 Kelvin Cross Sections

72-Hf-178n

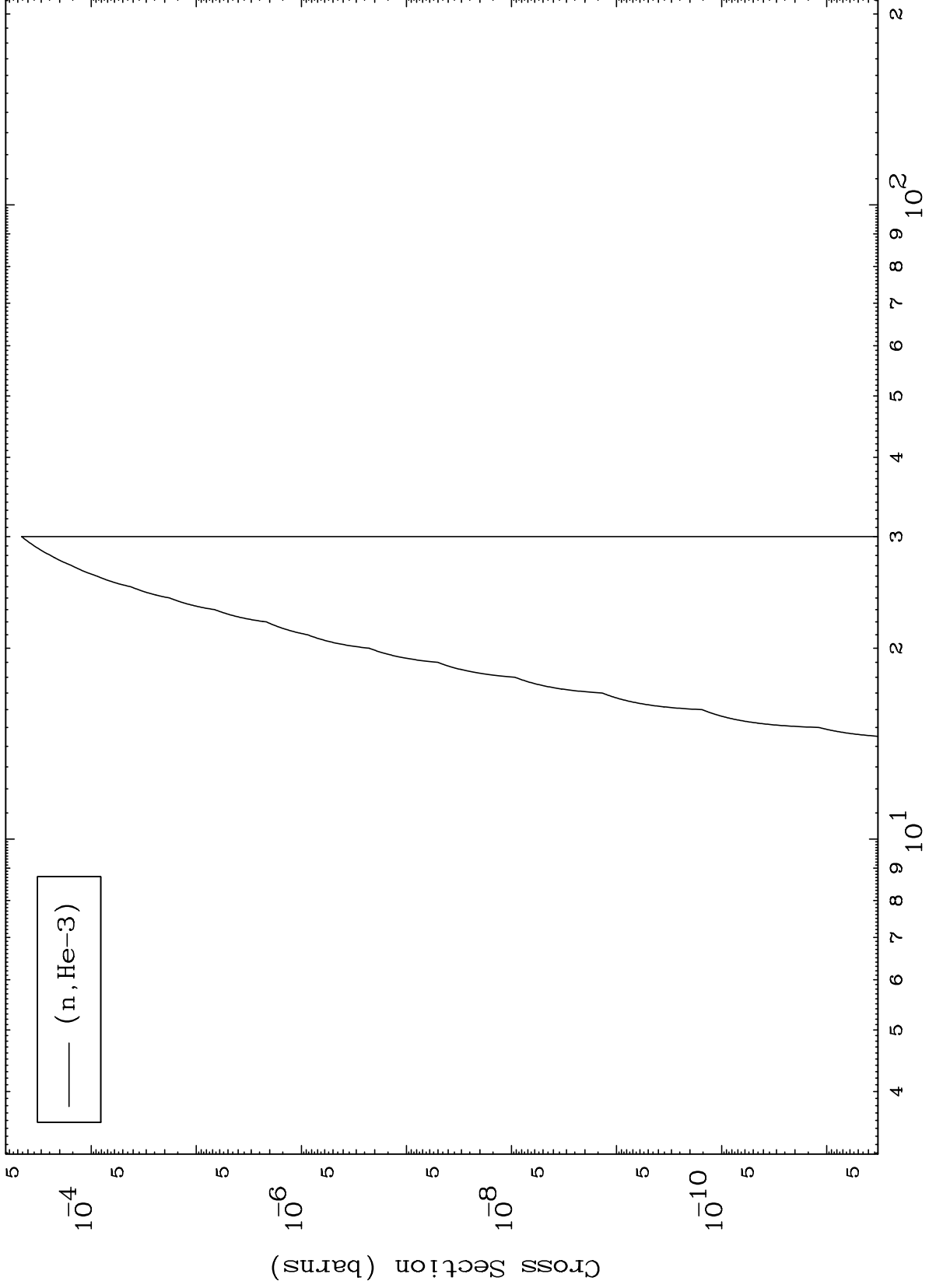


(n,t)

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(n,He3) Levels
293 Kelvin Cross Sections

⁷²Hf-178n



12

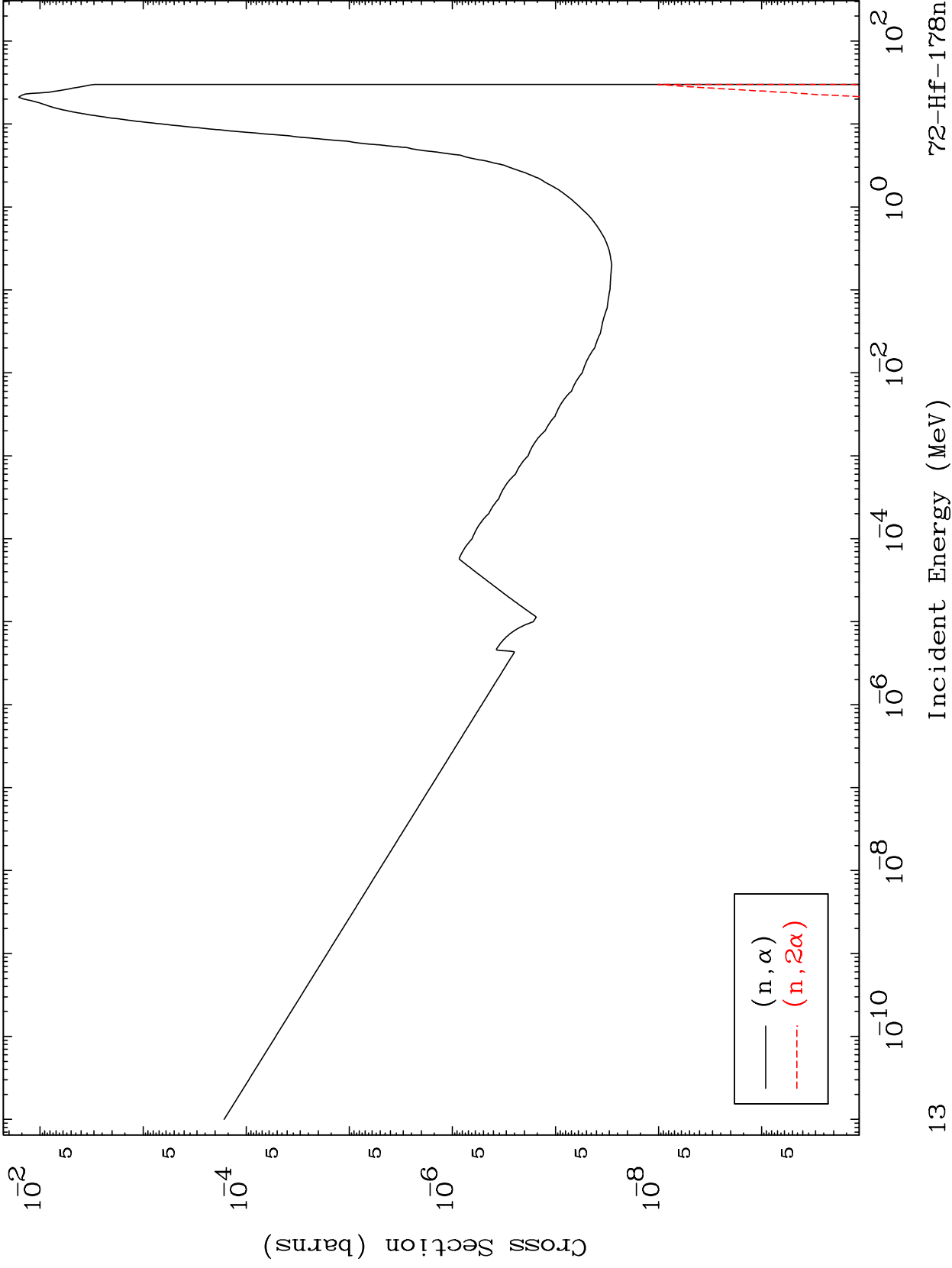
Incident Energy (MeV)

⁷²Hf-178n

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(n, α) Levels
293 Kelvin Cross Sections

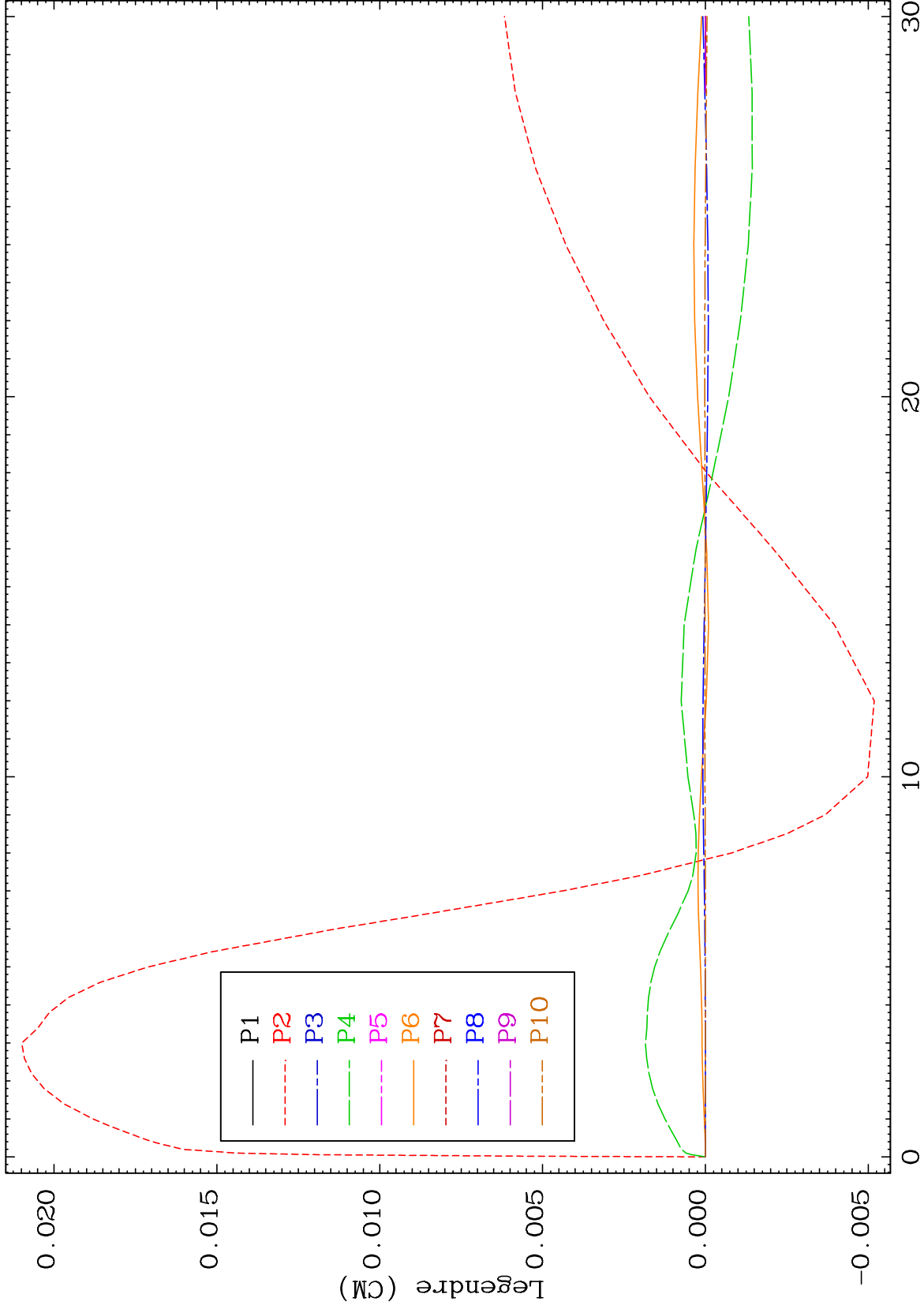
⁷²Hf-178n



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Elastic Legendre Coefficients

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



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

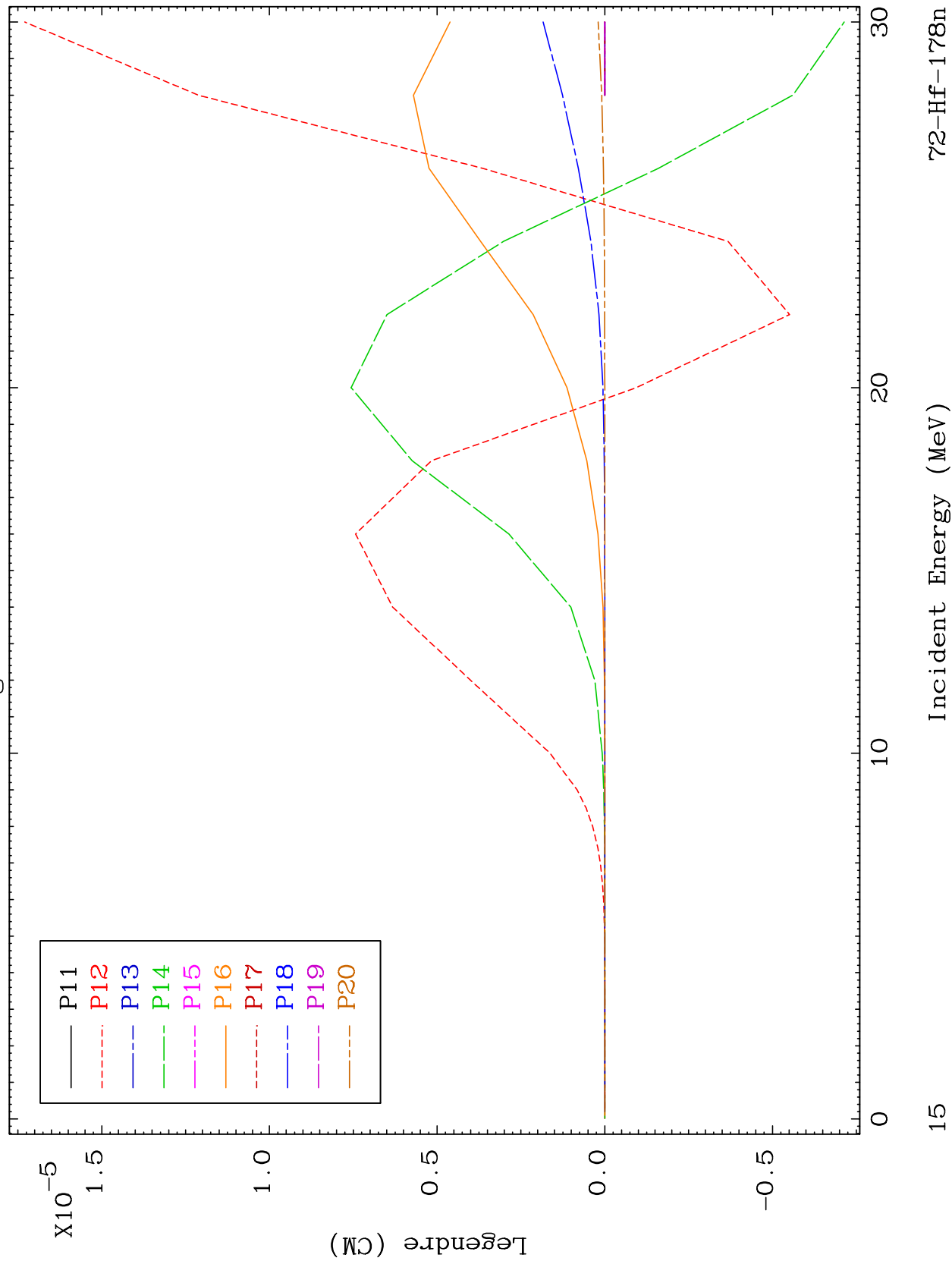
Incident Energy (MeV)

14

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Elastic Legendre Coefficients

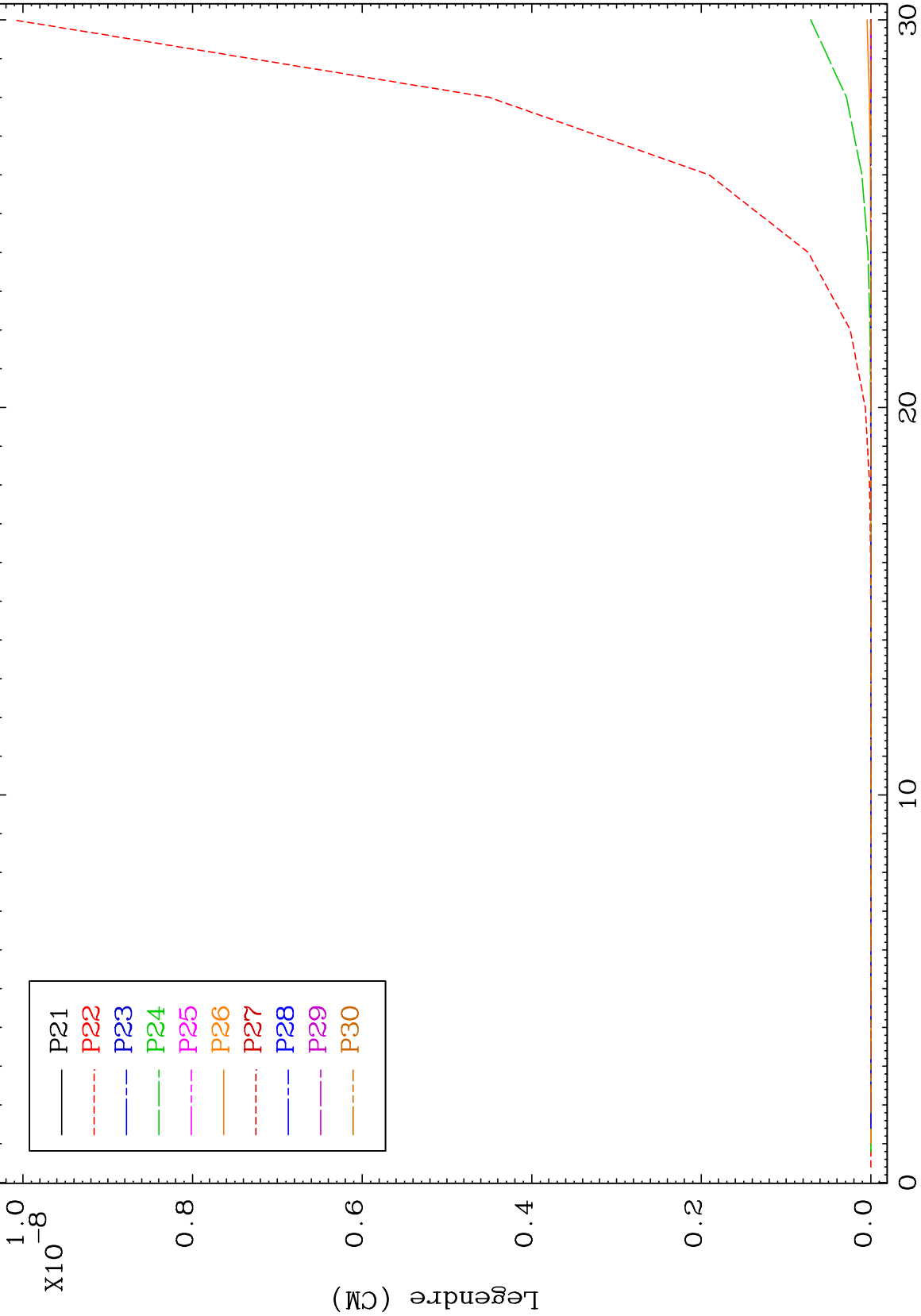
⁷²Hf-¹⁷⁸n



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Elastic Legendre Coefficients

⁷²Hf-178n



16

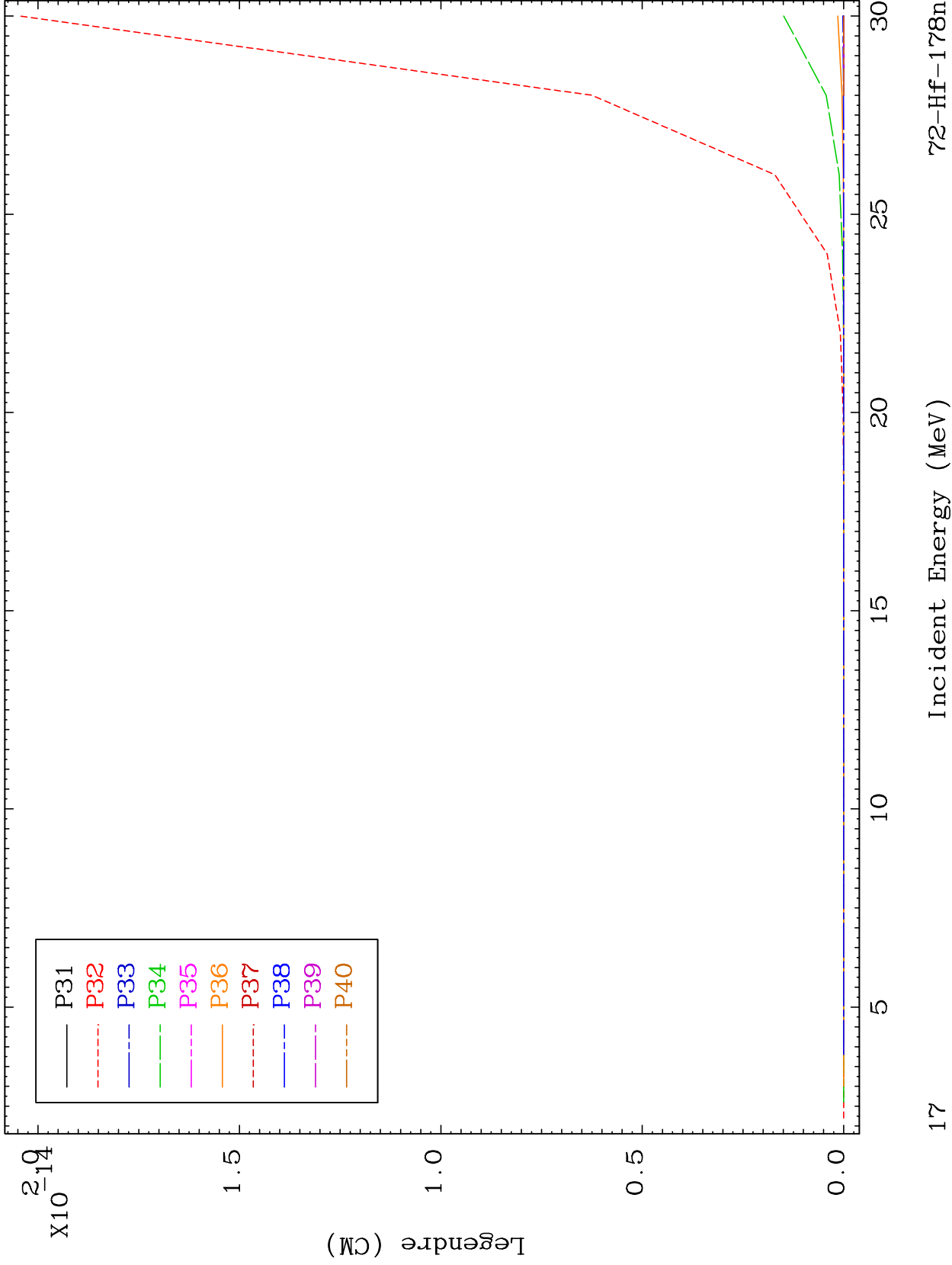
Incident Energy (MeV)

⁷²Hf-178n

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Elastic
Legendre Coefficients

⁷²Hf-178n

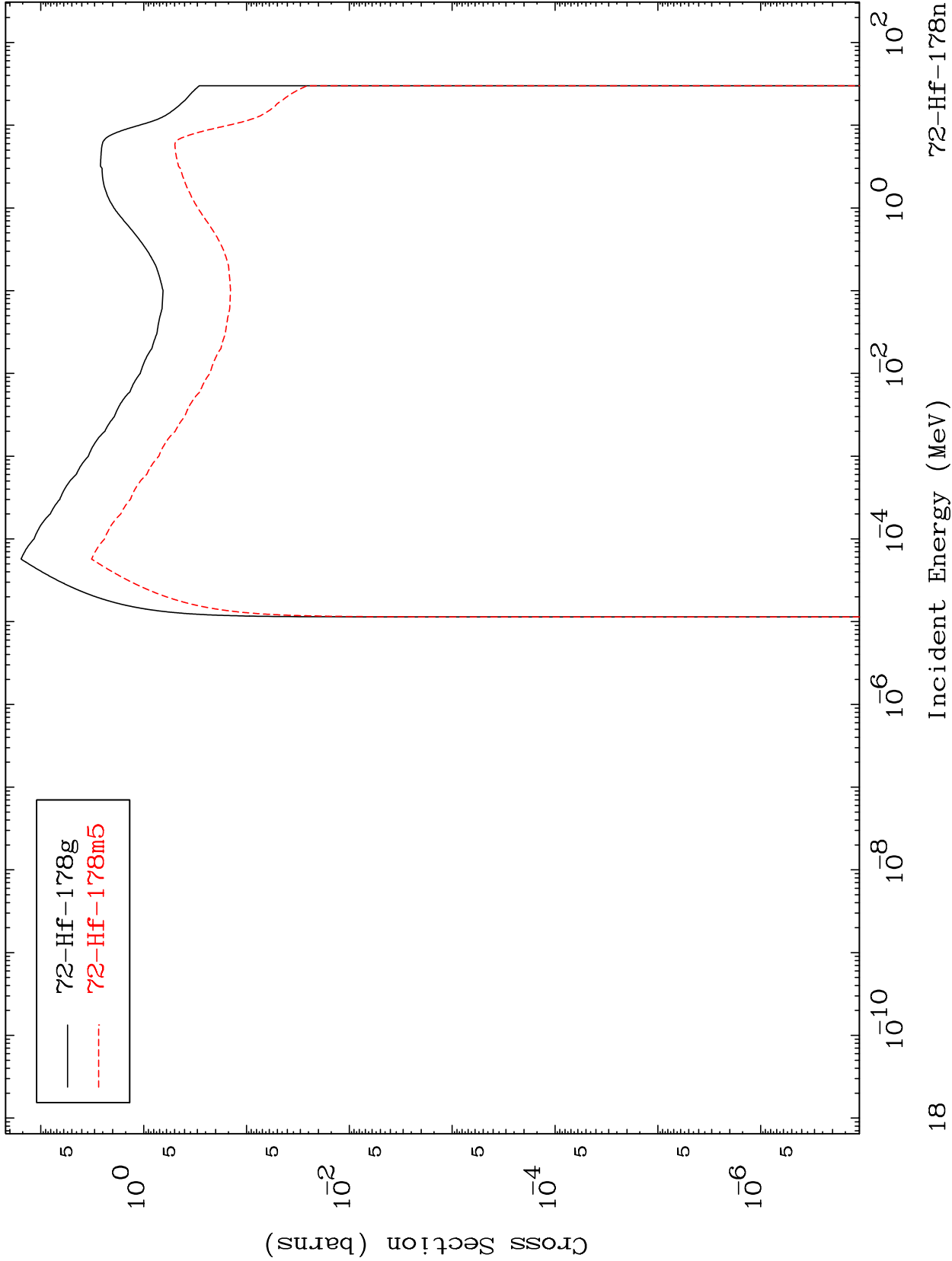


17

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Inelastic
Radionuclide Production Cross Section

⁷²Hf-178n

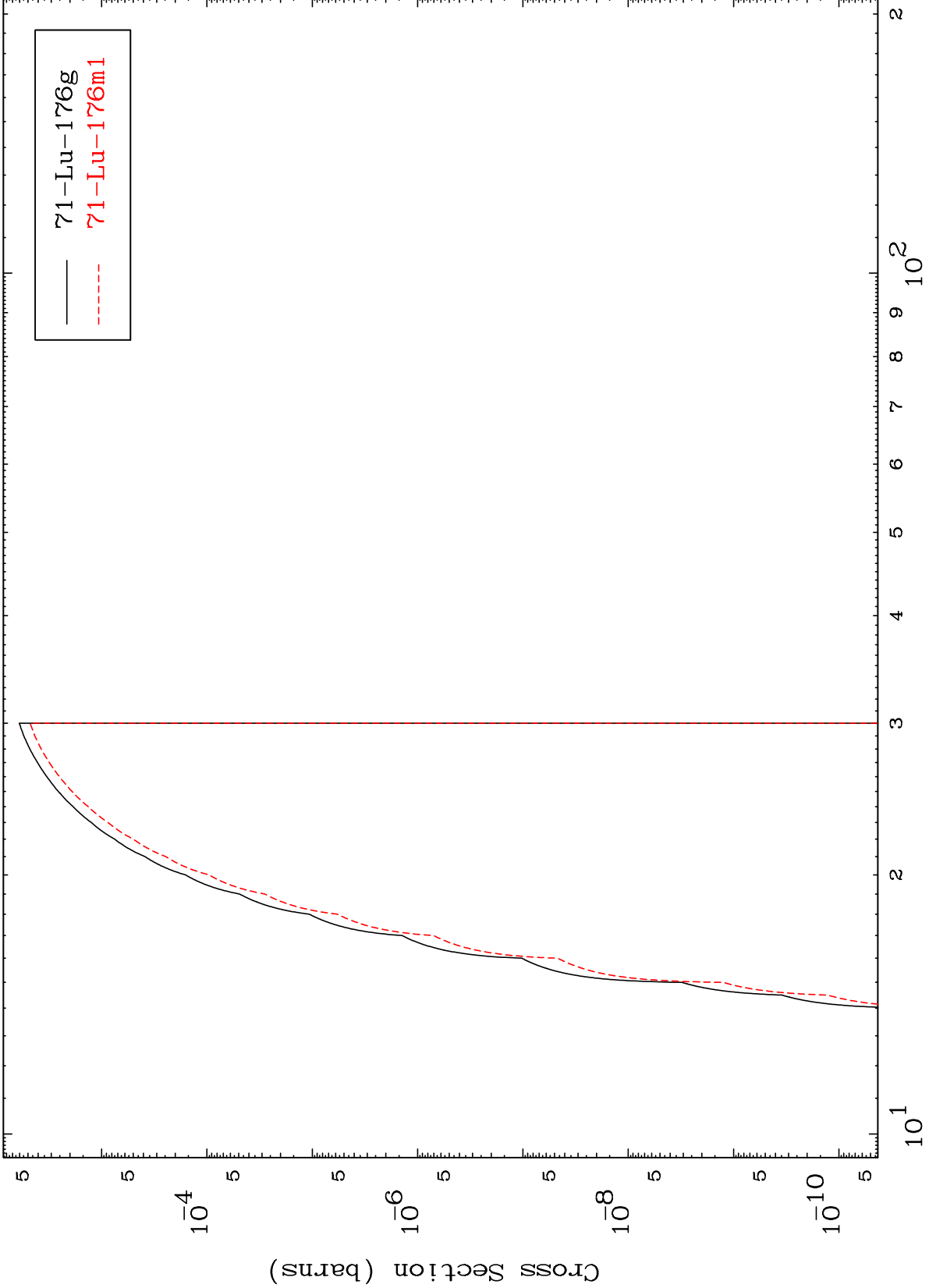


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(n,n') d

⁷²Hf-178n

Radionuclide Production Cross Section



Incident Energy (MeV)

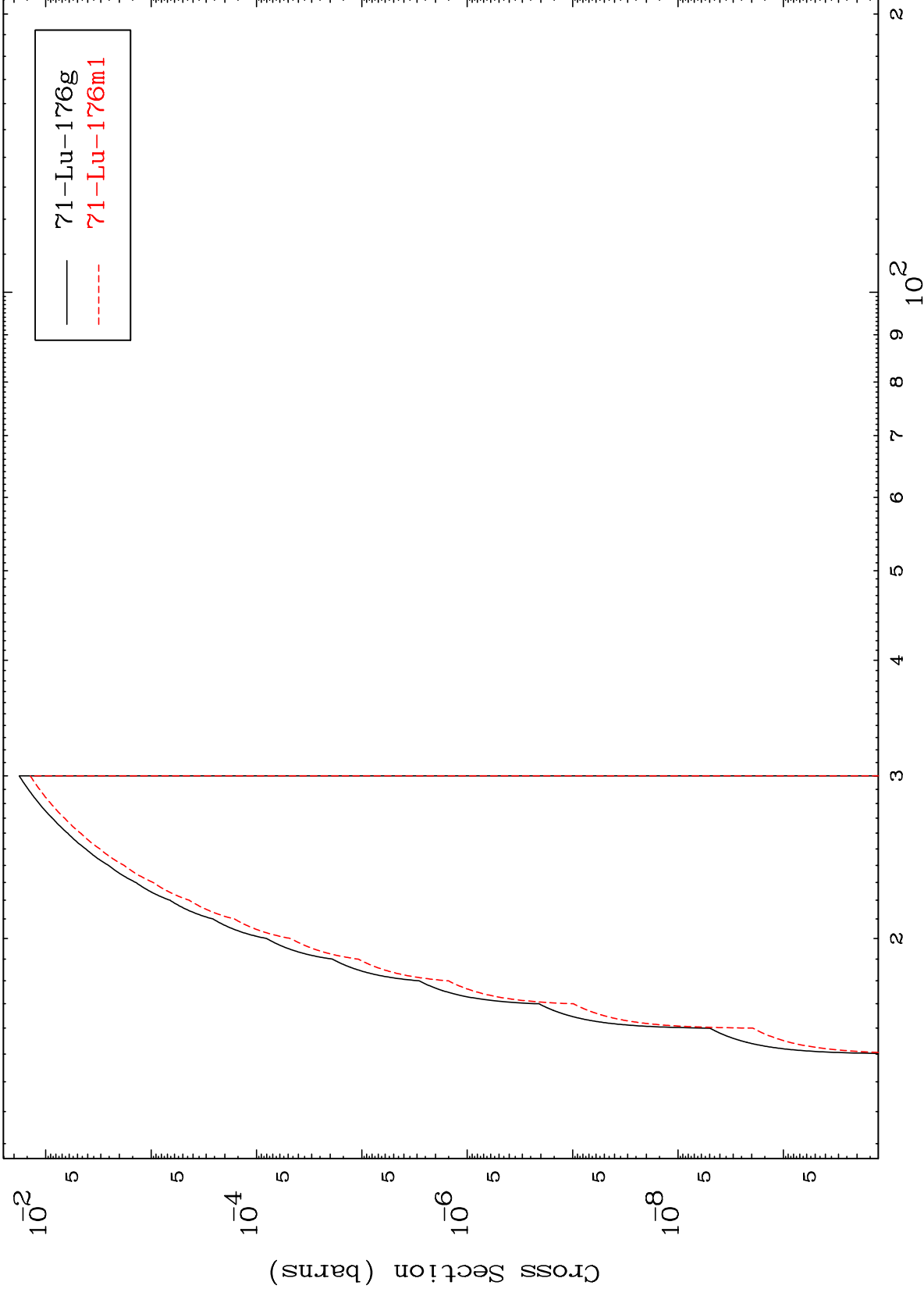
⁷²Hf-178n

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(n,2n) p

⁷²Hf-178n

Radionuclide Production Cross Section



20

Incident Energy (MeV)

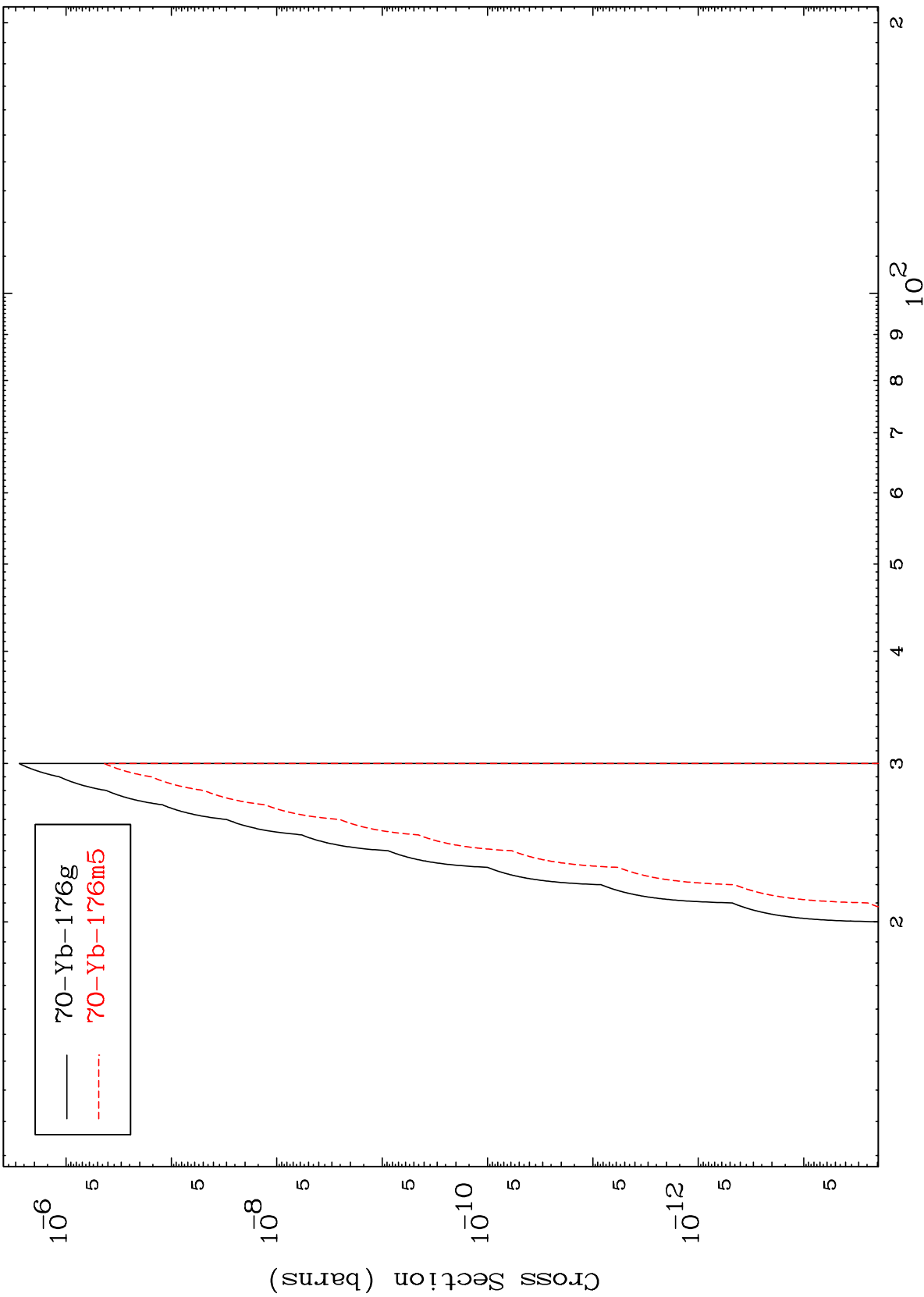
⁷²Hf-178n

MAT 7239

(n,2n) p

⁷²Hf-178n

Radionuclide Production Cross Section

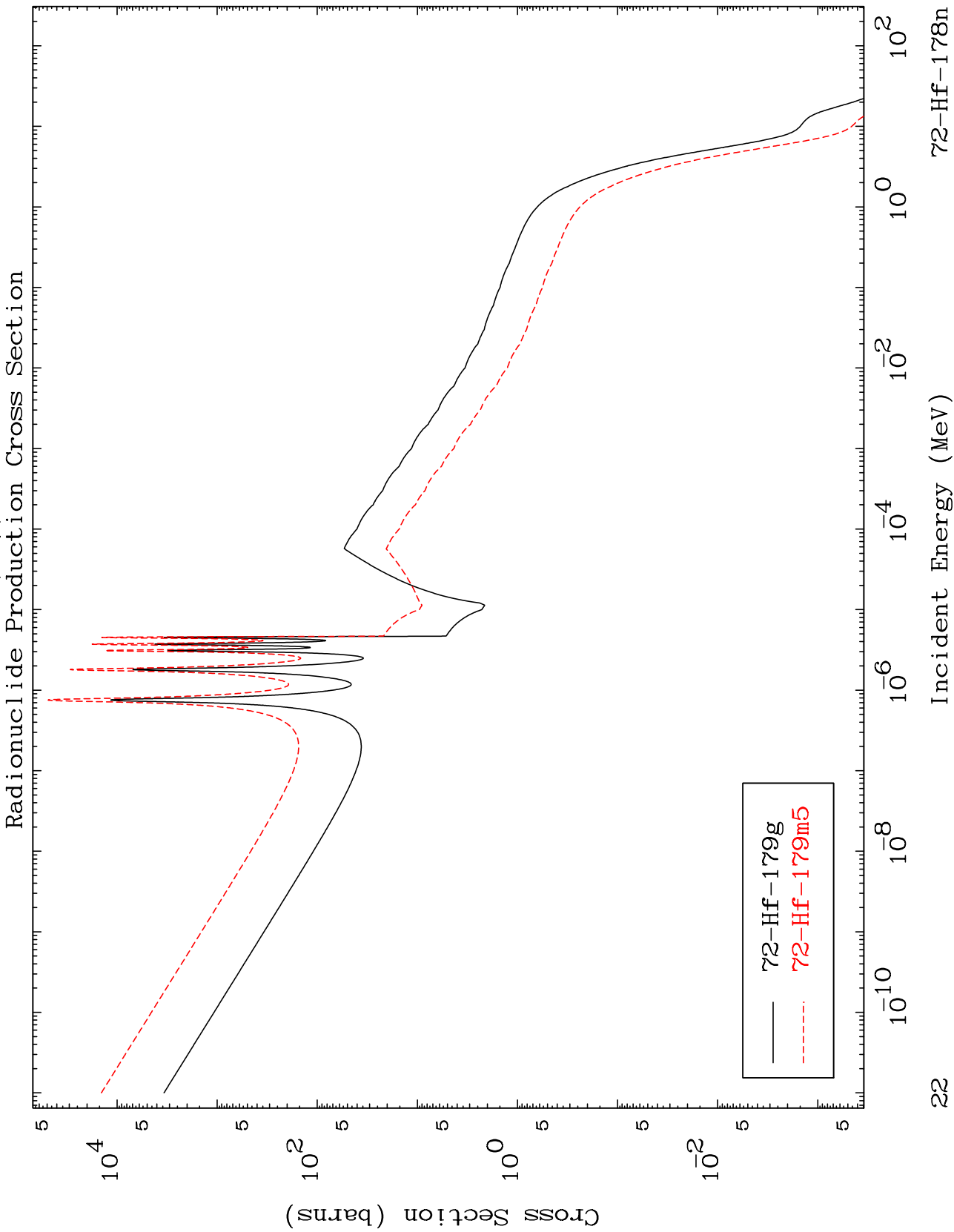


Incident Energy (MeV)

⁷²Hf-178n

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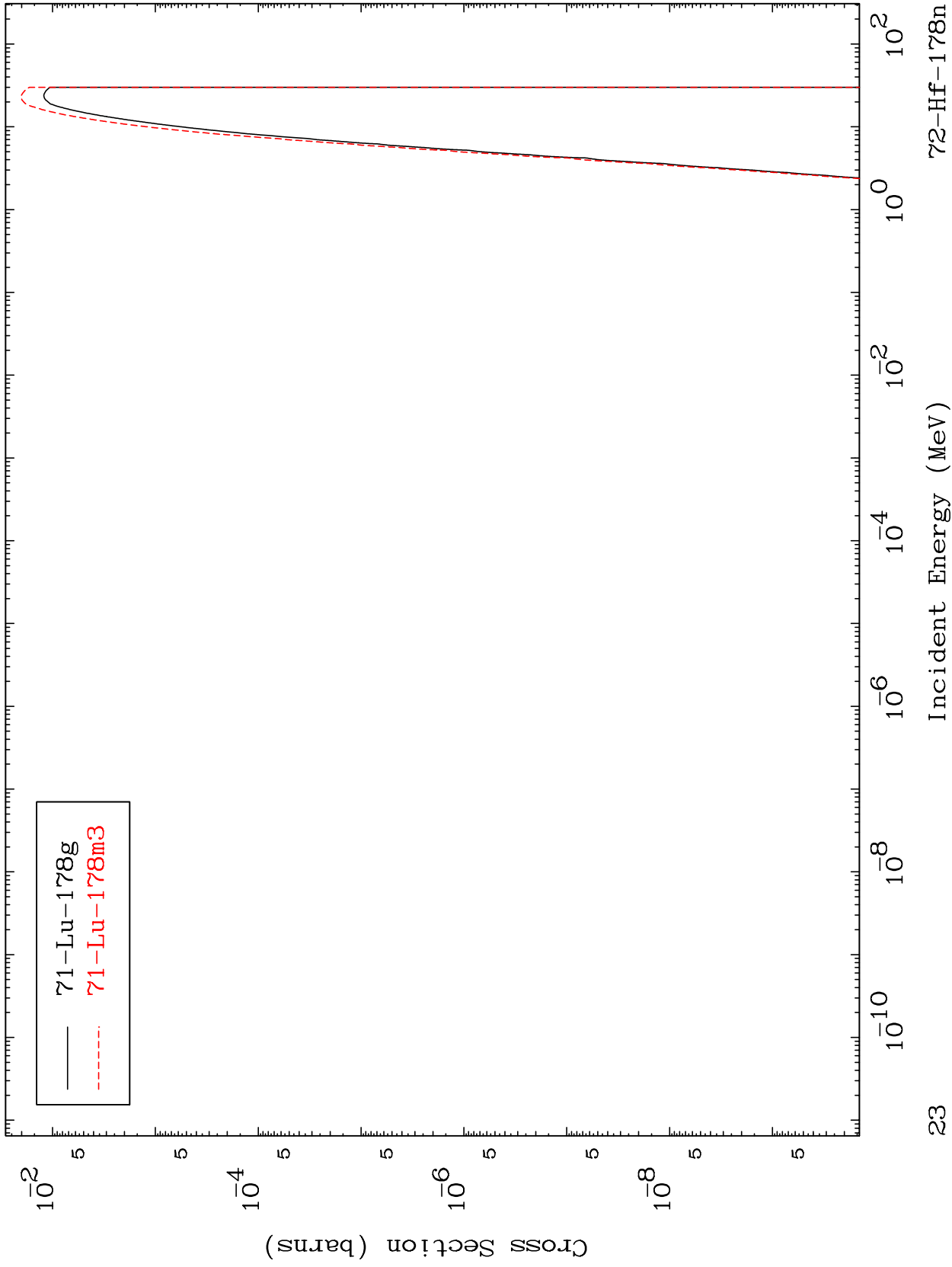
⁷²Hf-178n



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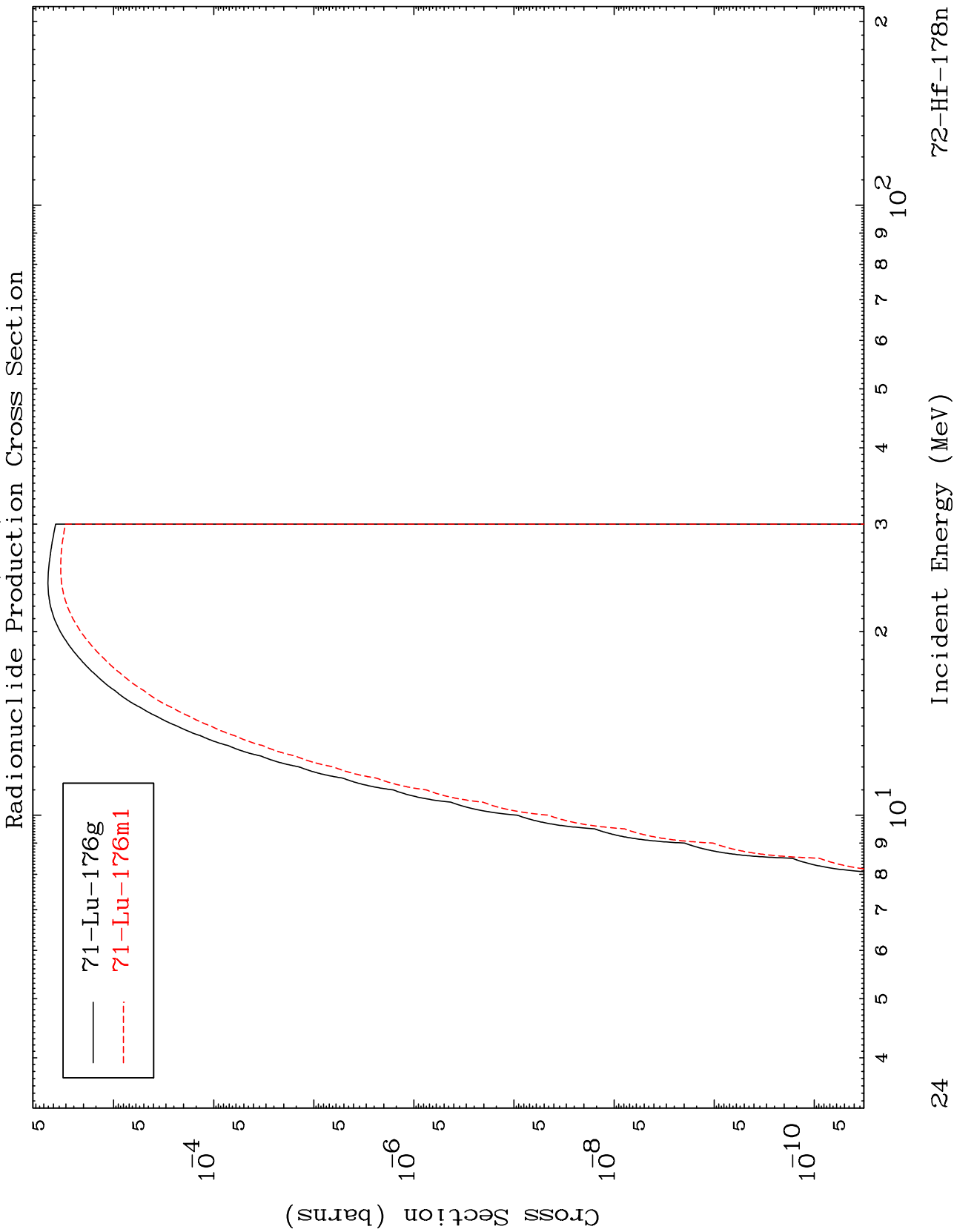
⁷²Hf-178n

(n,p)
Radionuclide Production Cross Section



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



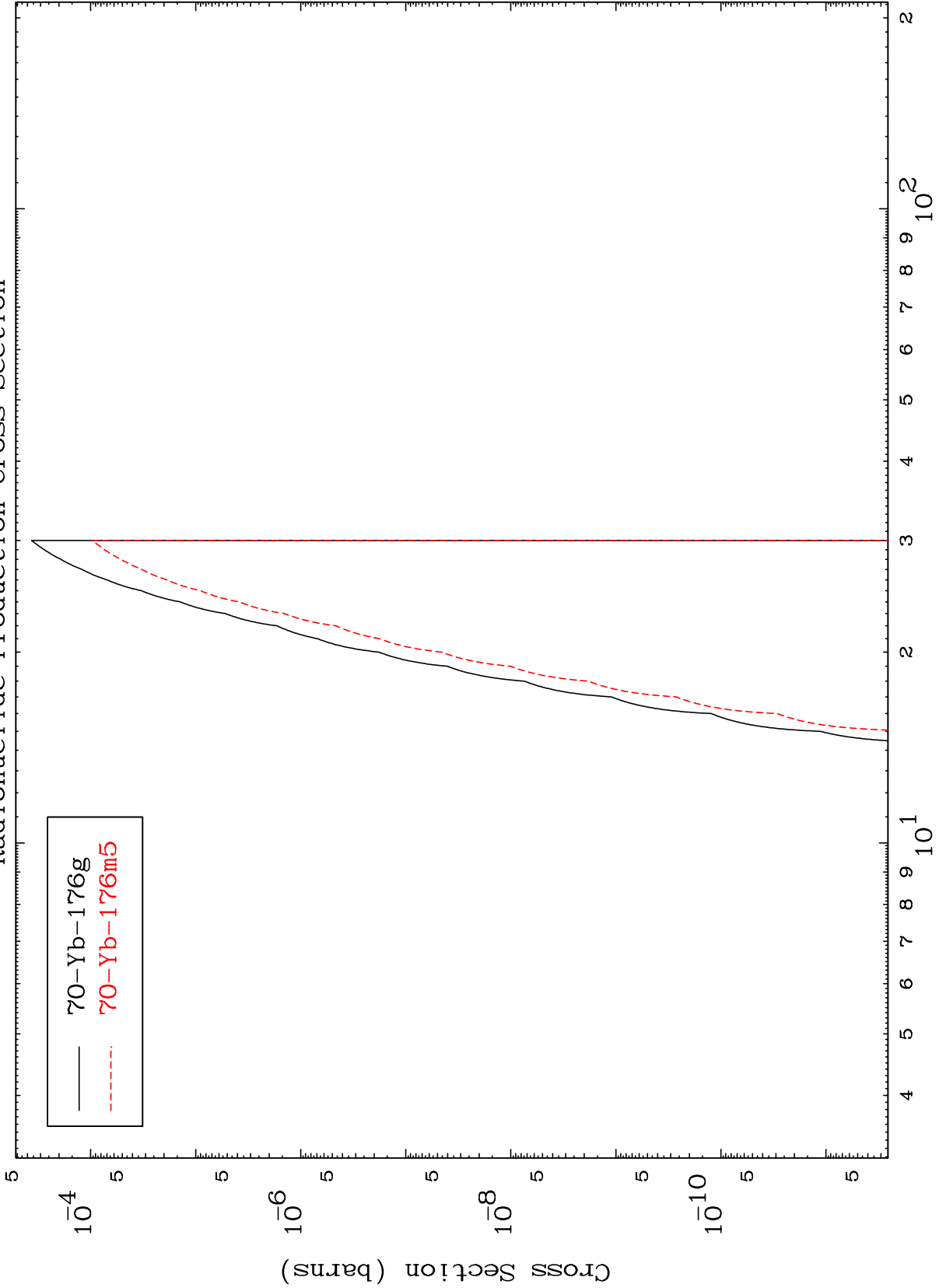
— $^{71}\text{Lu}-176\text{g}$
- - - $^{71}\text{Lu}-176\text{m1}$

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(n,He-3)

⁷²Hf-178n

Radionuclide Production Cross Section



— 70-Yb-176g
- - - 70-Yb-176m5

Incident Energy (MeV)

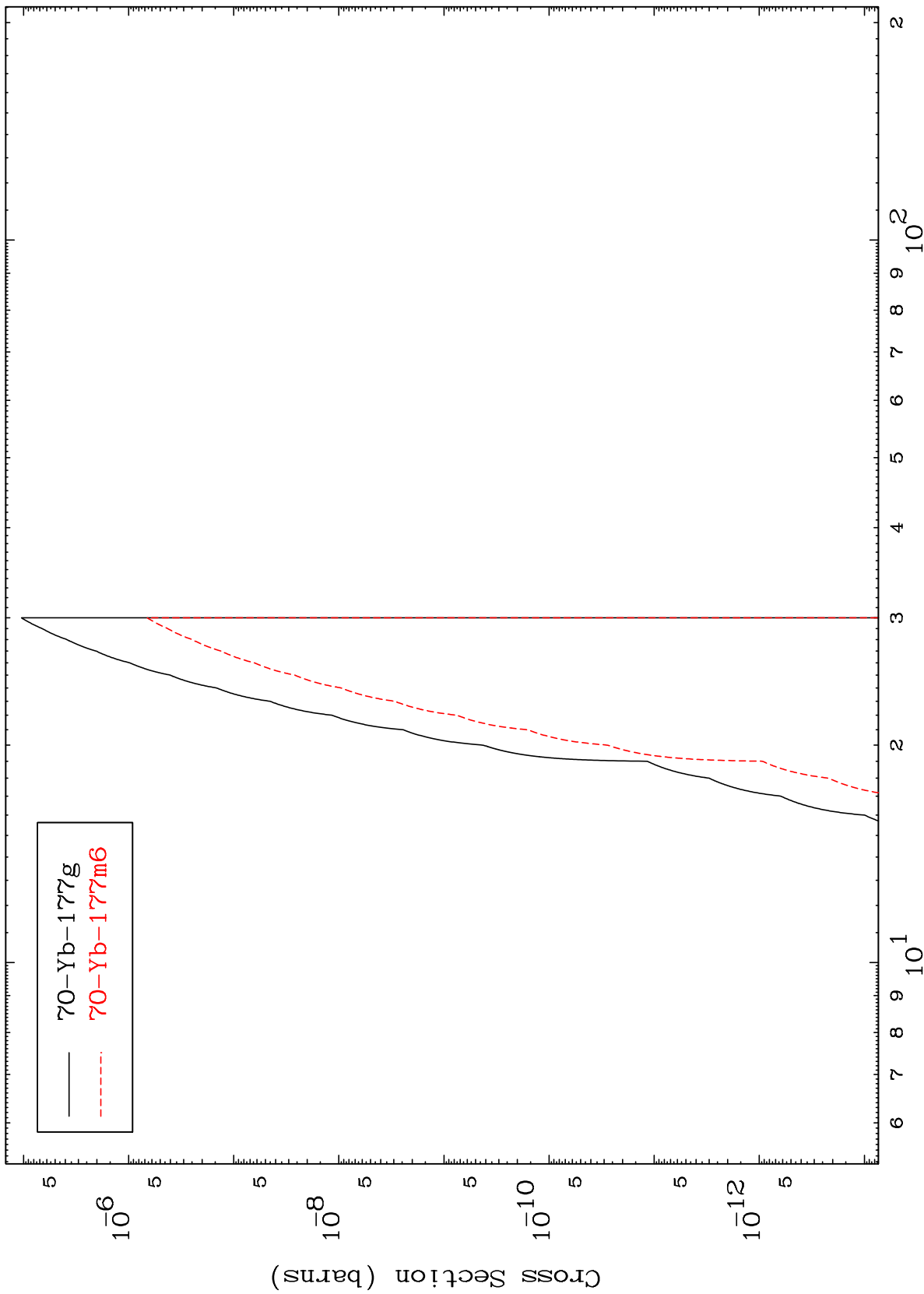
⁷²Hf-178n

25

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⁷²Hf-178n

(n,2p)
Radionuclide Production Cross Section



— ⁷⁰Yb-177g
- - - ⁷⁰Yb-177m6

⁷²Hf-178n

Incident Energy (MeV)

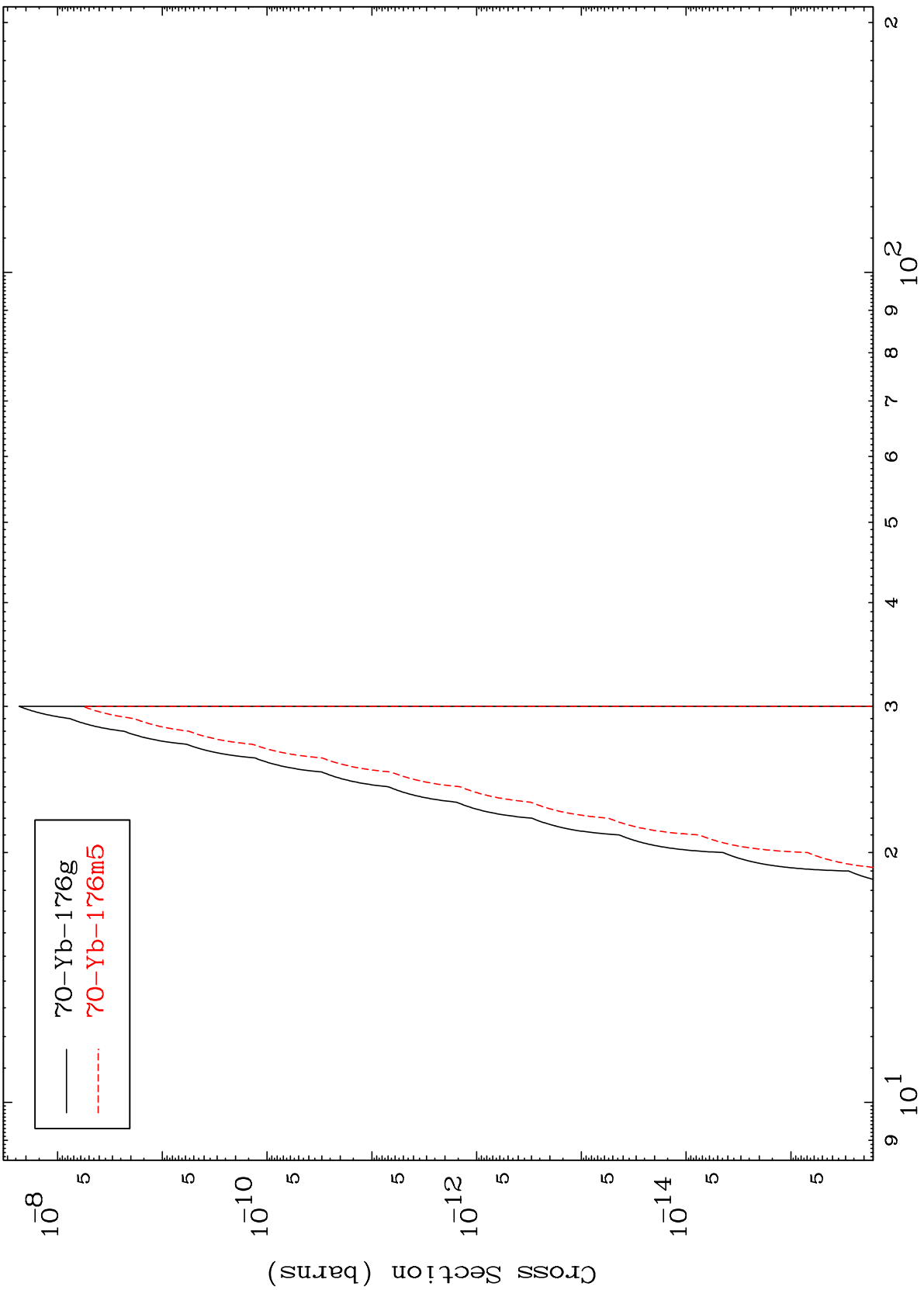
26

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(n,p) d

⁷²Hf-178n

Radionuclide Production Cross Section



27

Incident Energy (MeV)

⁷²Hf-178n