

Program EVALPLOT
(Version 2021-1)

by

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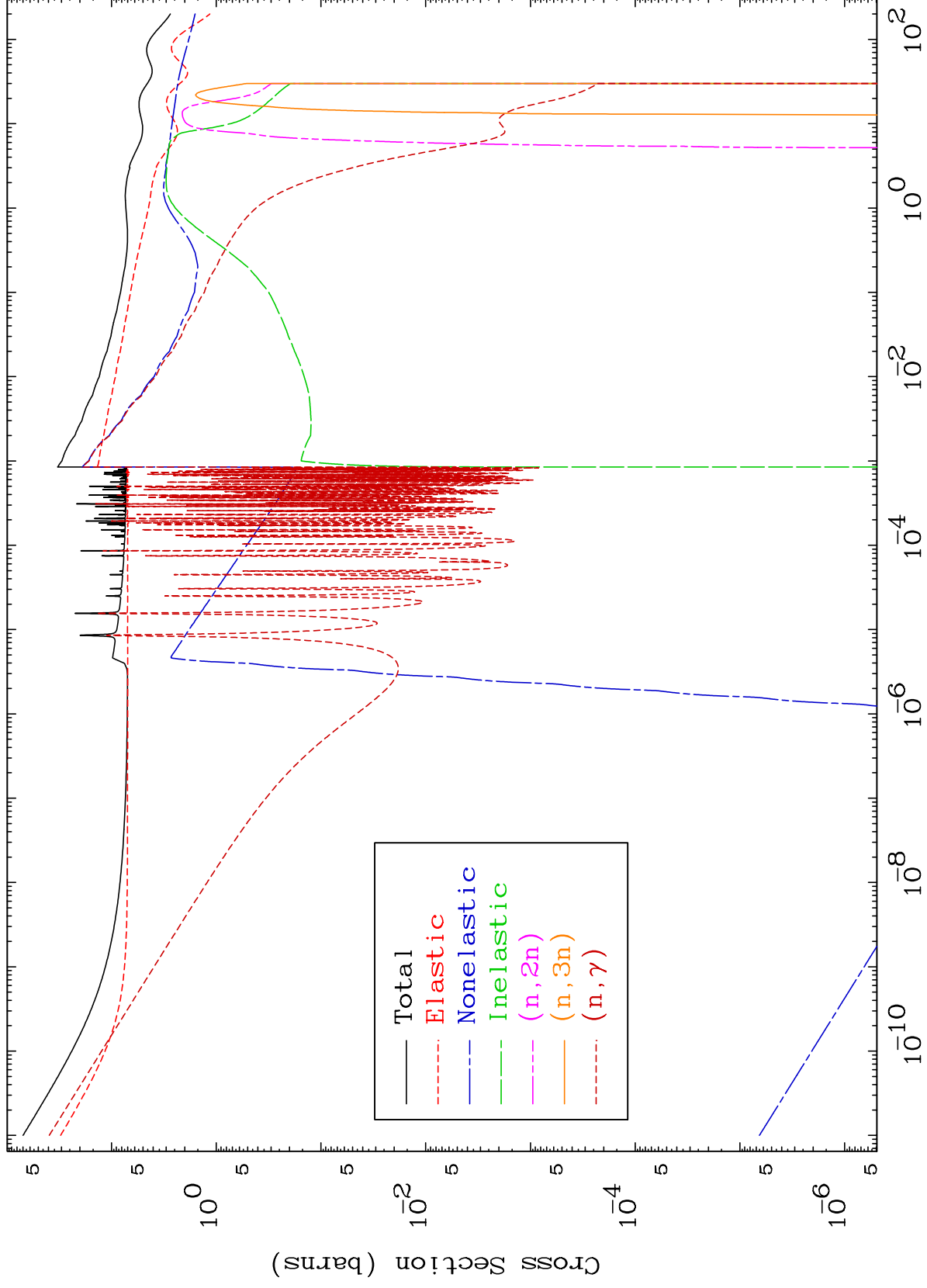
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7242

Neutron Major
293 Kelvin Cross Sections

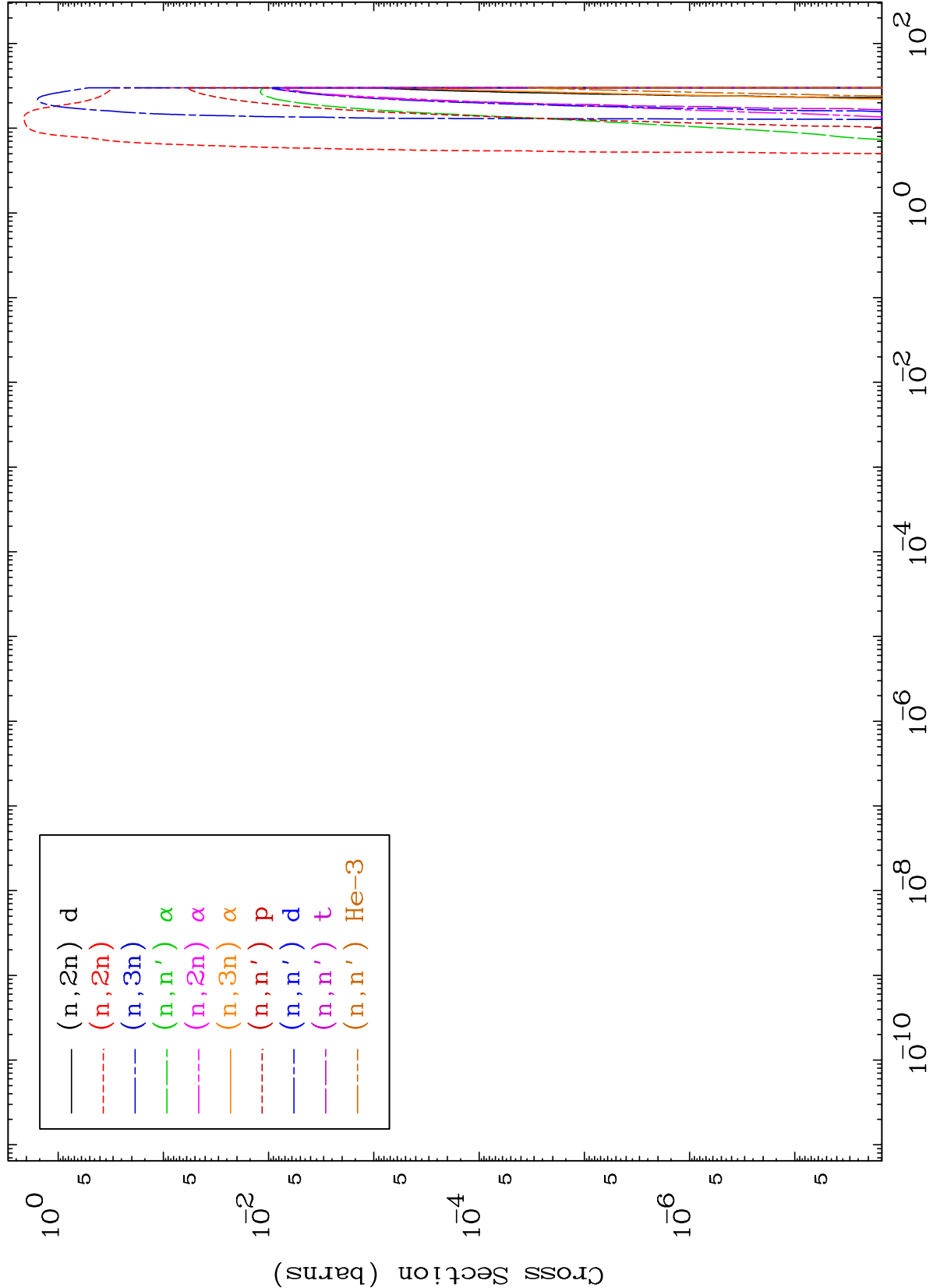
$^{72}\text{Hf}-179\text{n}$

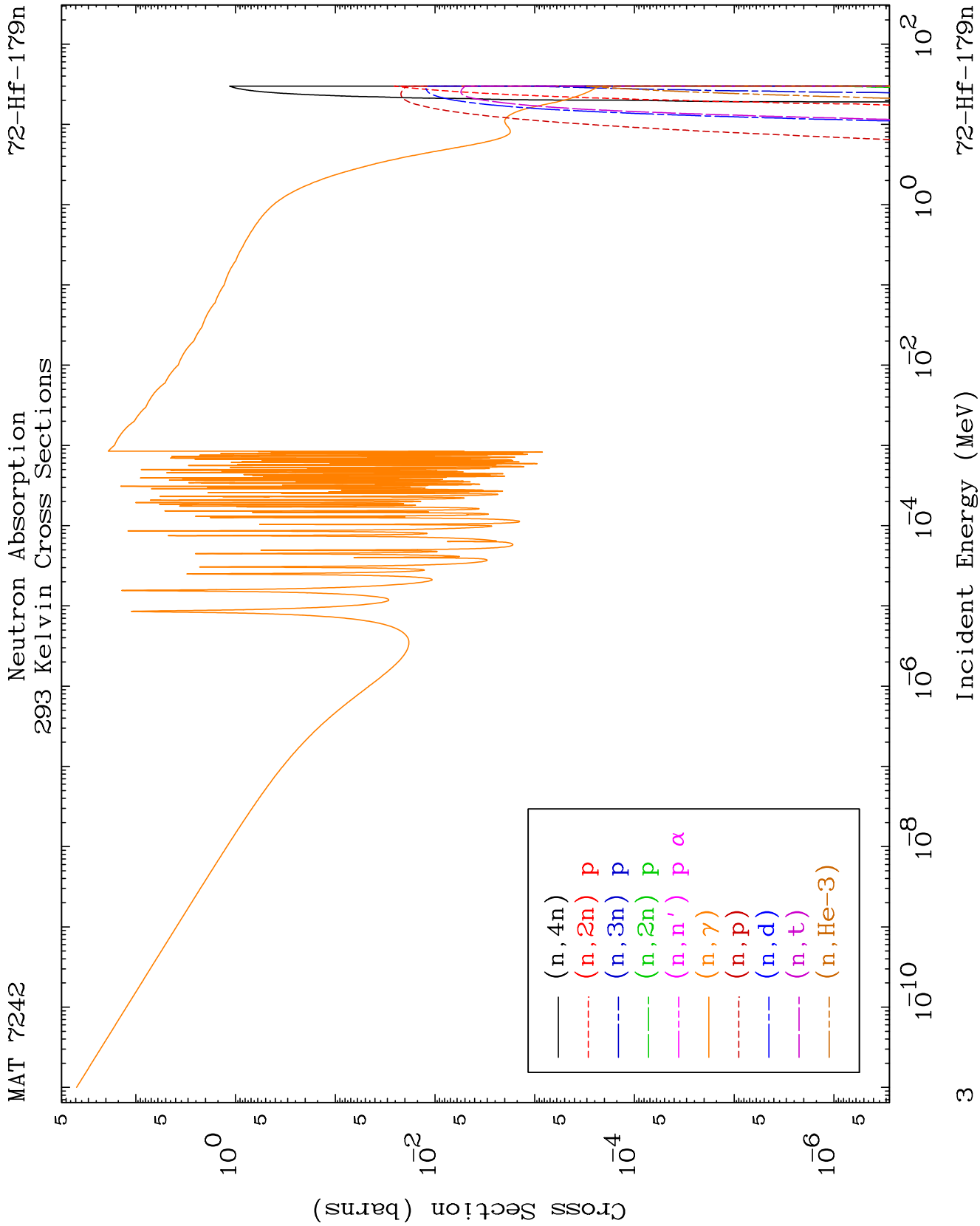


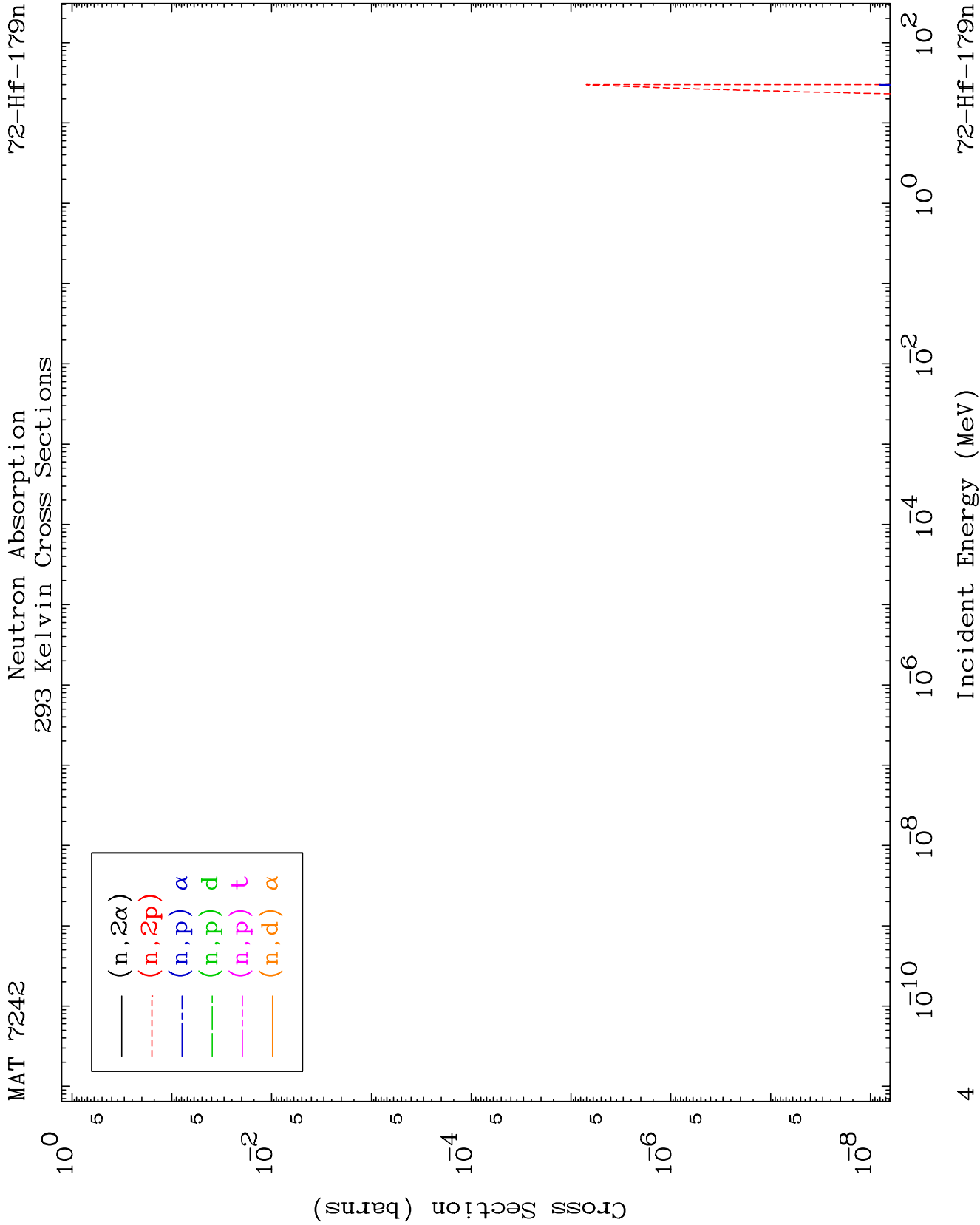
MAT 7242

Neutron Absorption
293 Kelvin Cross Sections

72-Hf-179n



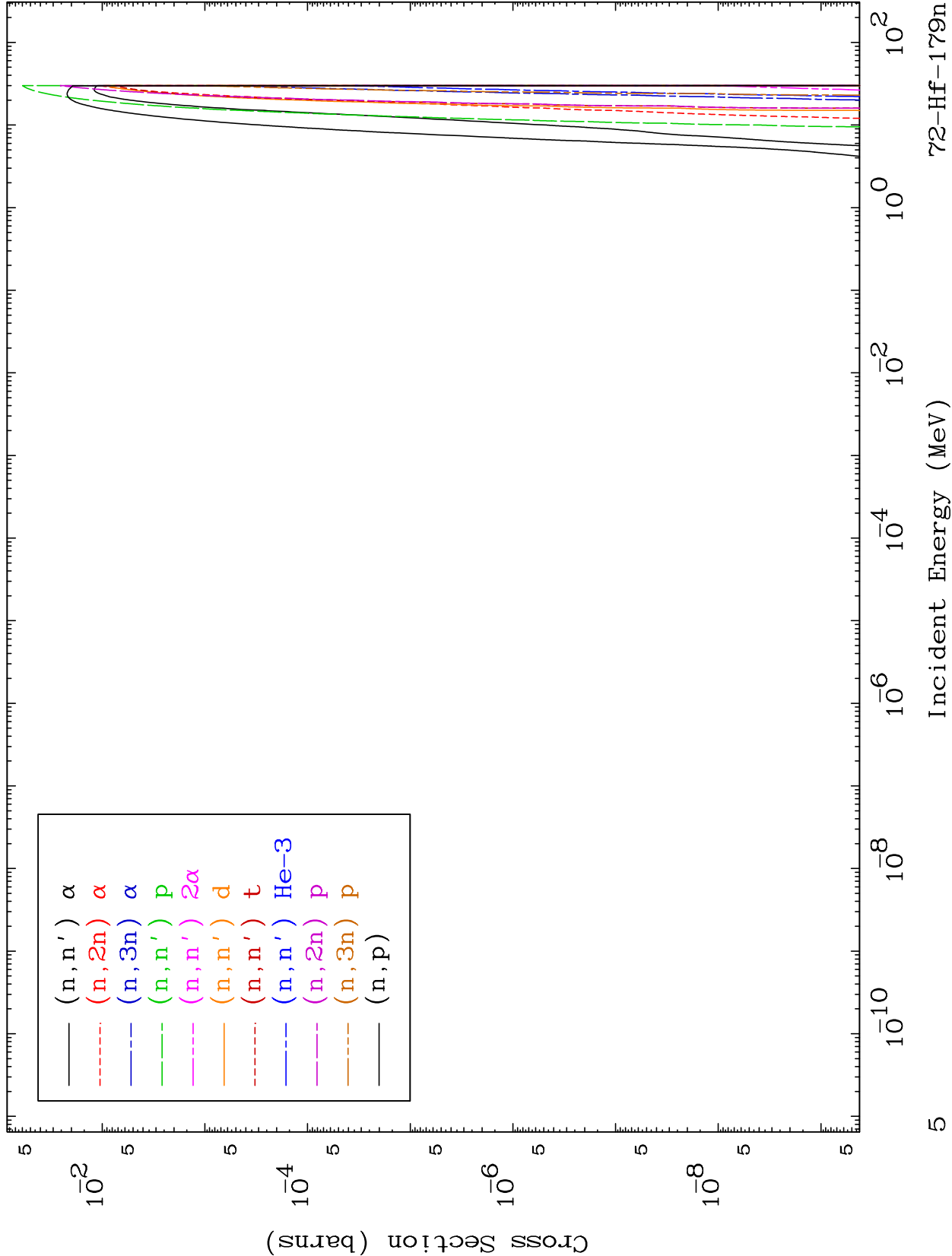


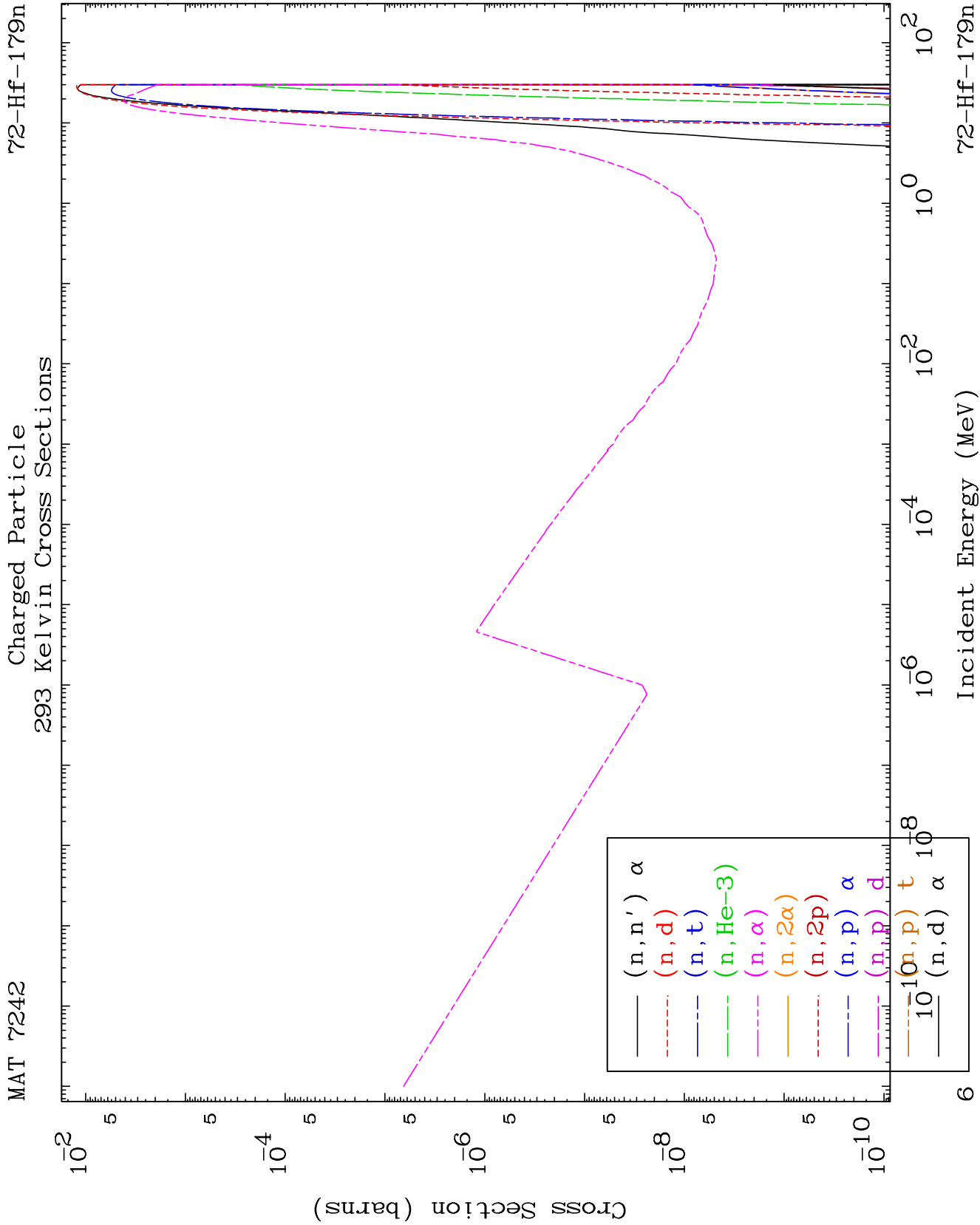


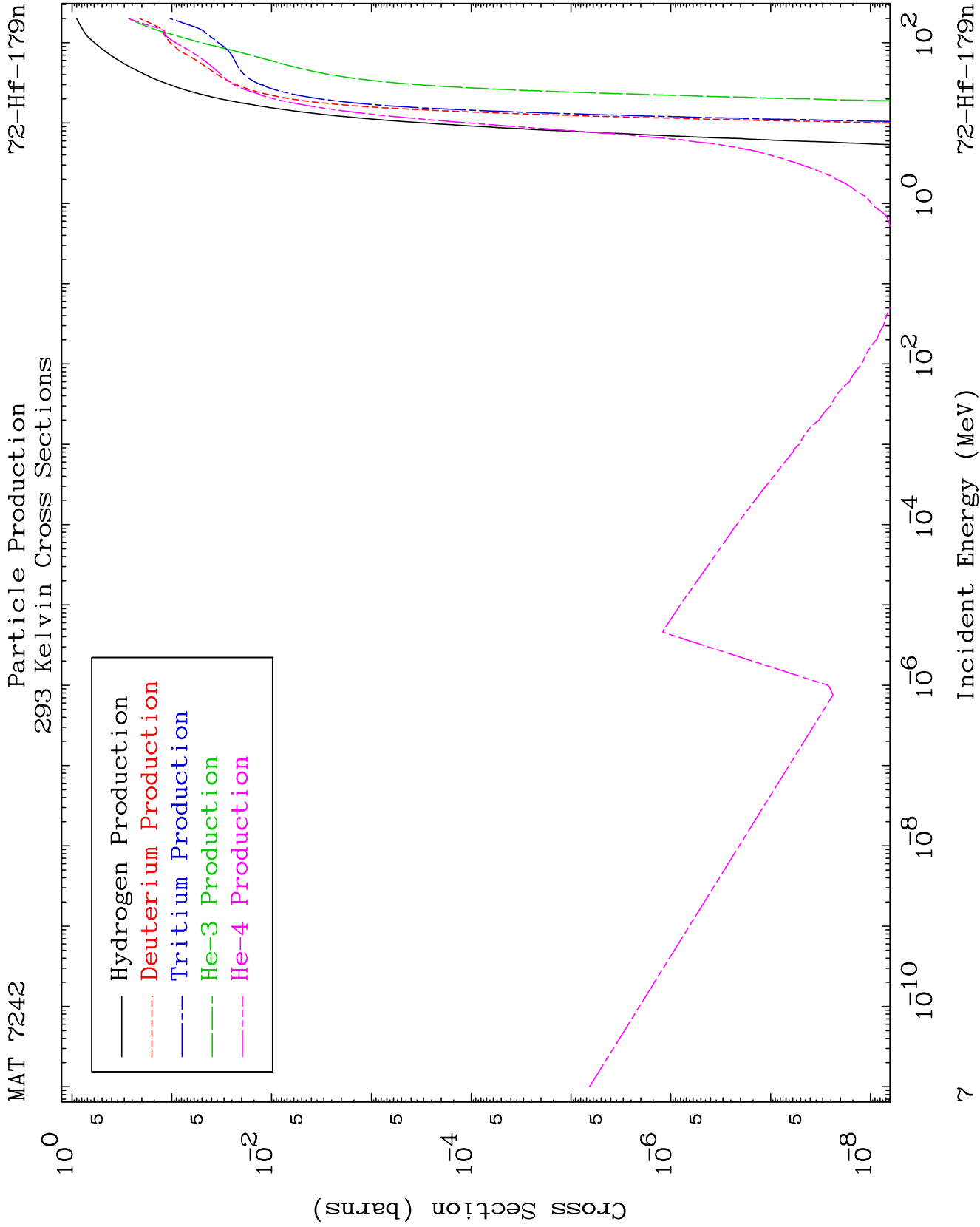
MAT 7242

Charged Particle
293 Kelvin Cross Sections

⁷²Hf-¹⁷⁹n



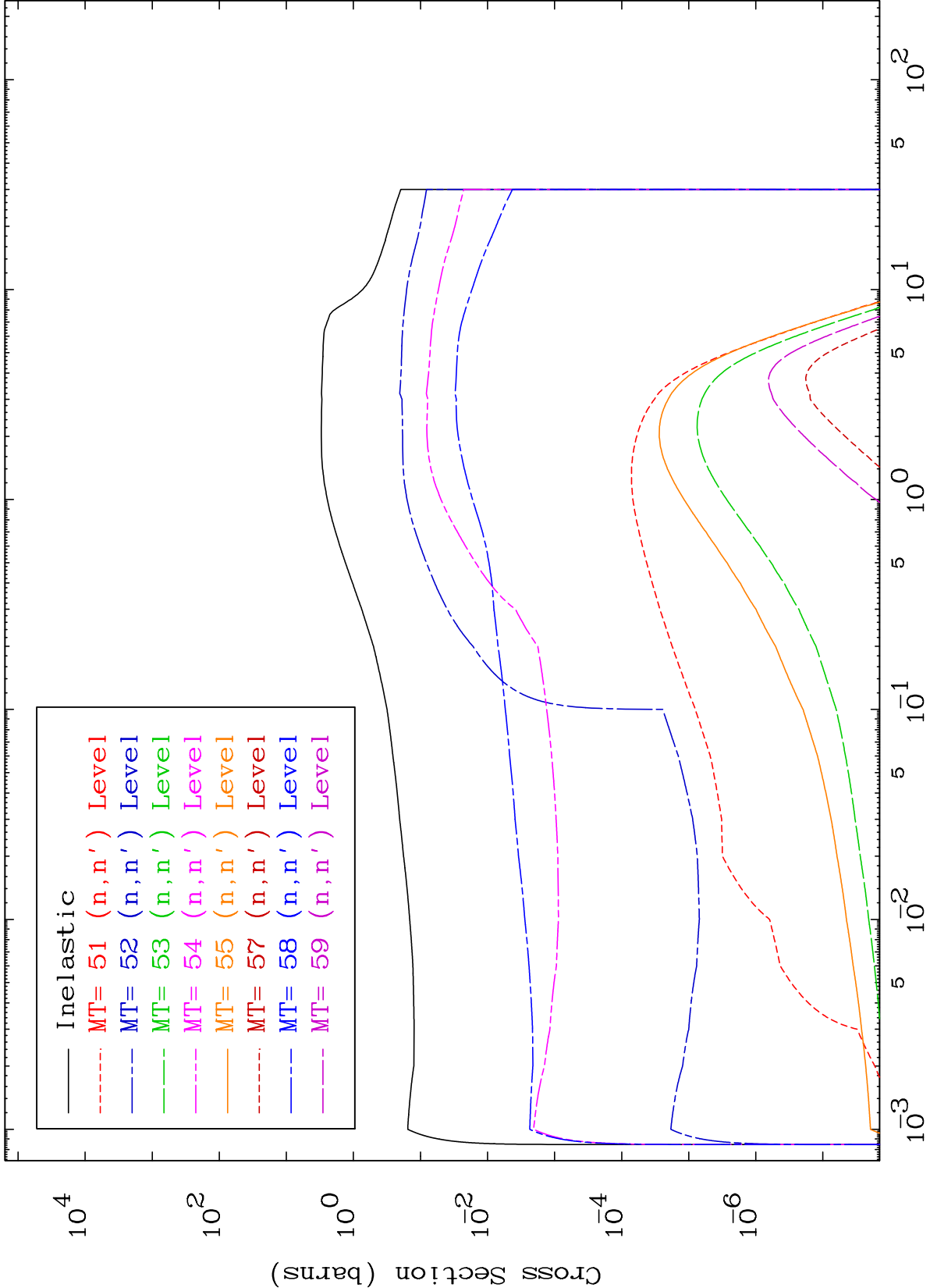




MAT 7242

(n,n') Levels
293 Kelvin Cross Sections

⁷²Hf-179n

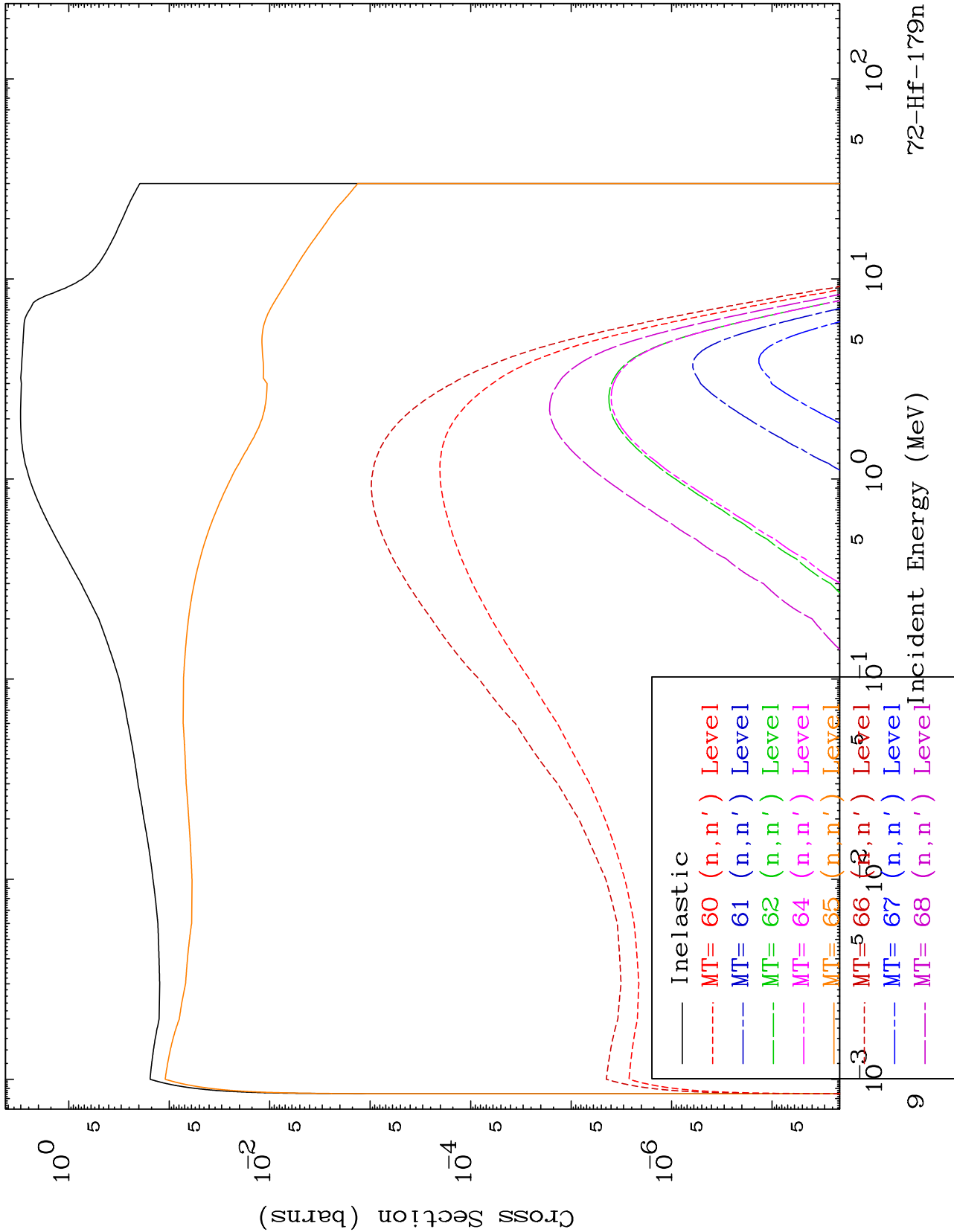


MAT 7242

(n,n') Levels

⁷²Hf-¹⁷⁹n

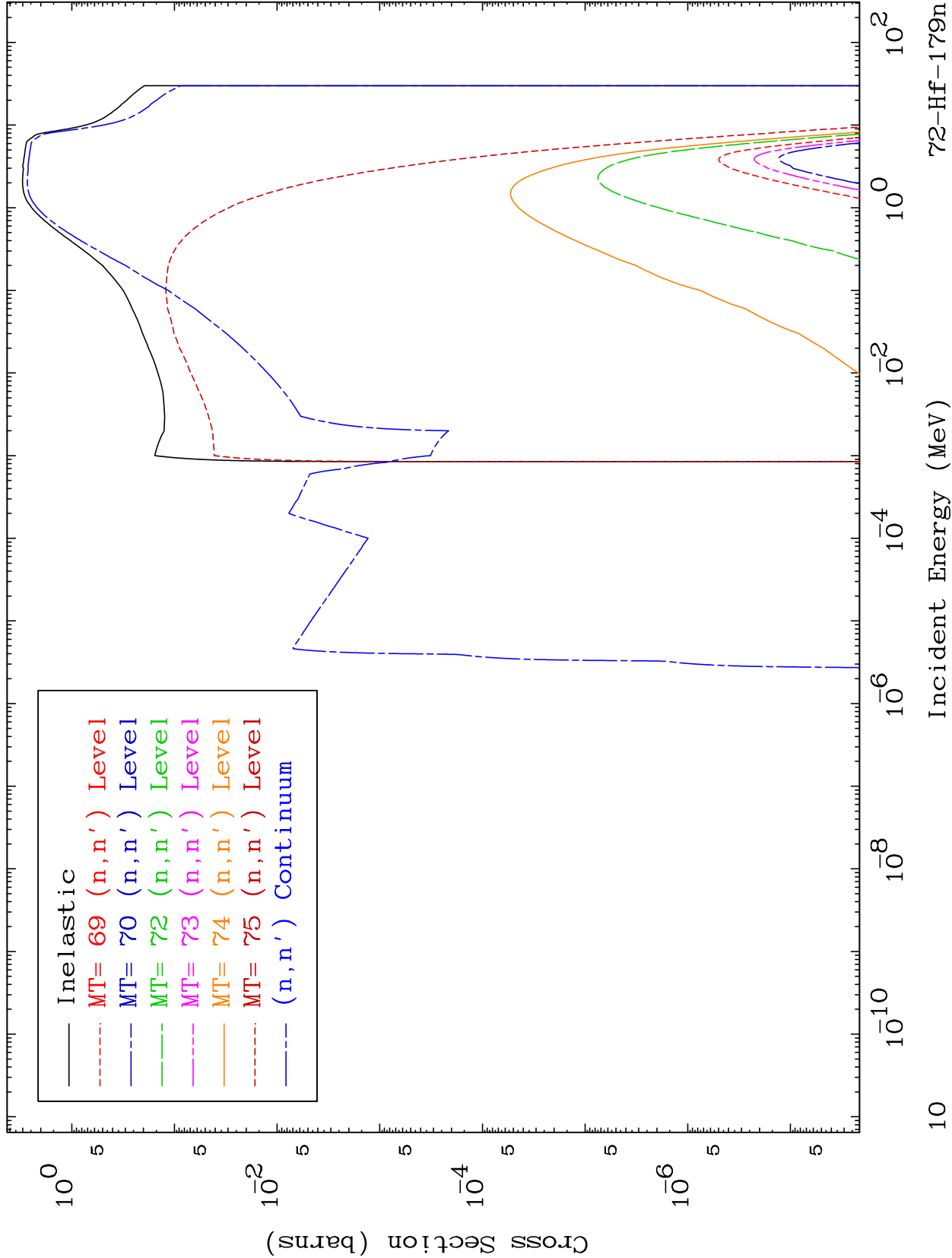
293 Kelvin Cross Sections



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(n,n') Levels
293 Kelvin Cross Sections

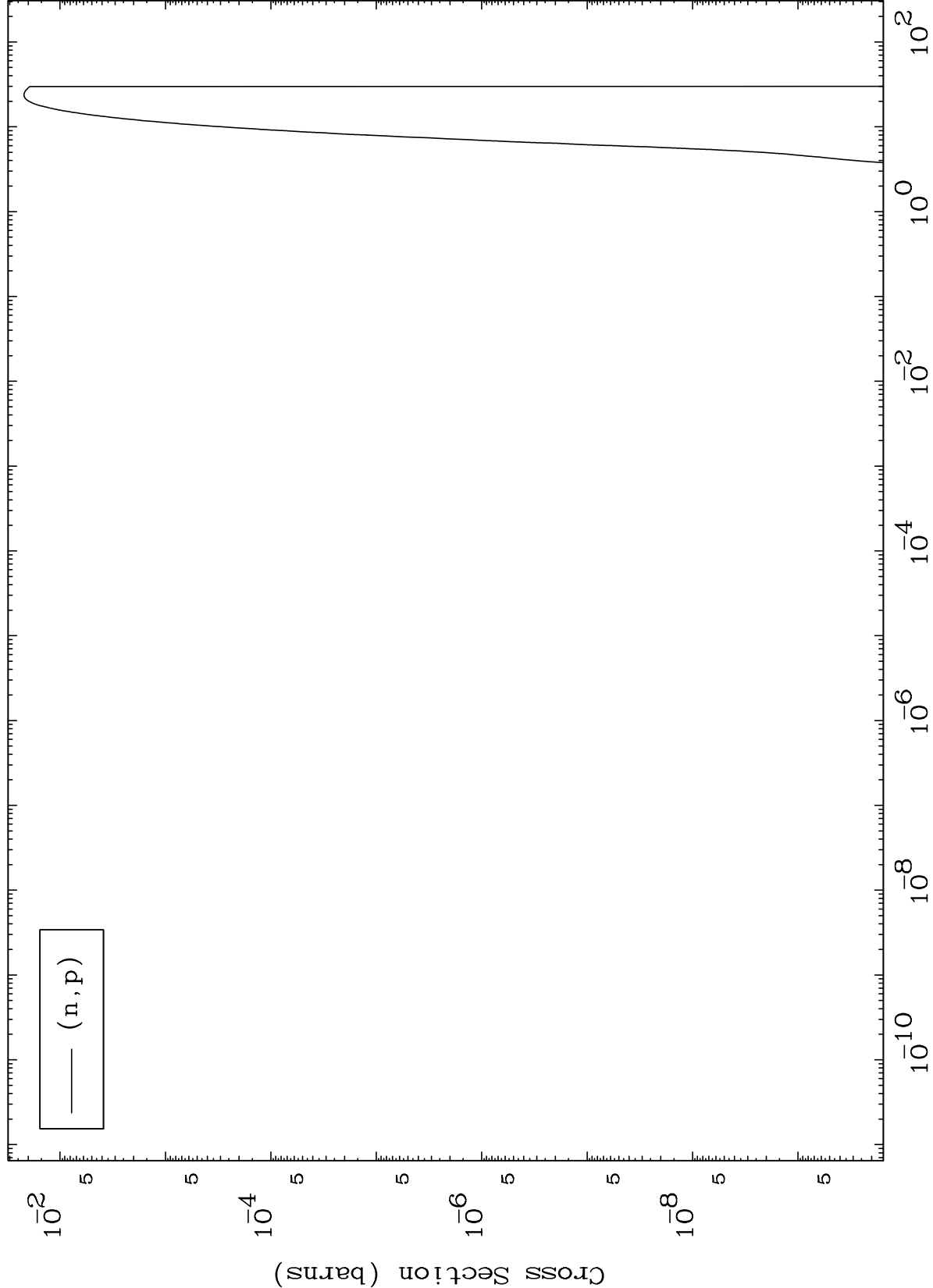
72-Hf-179n

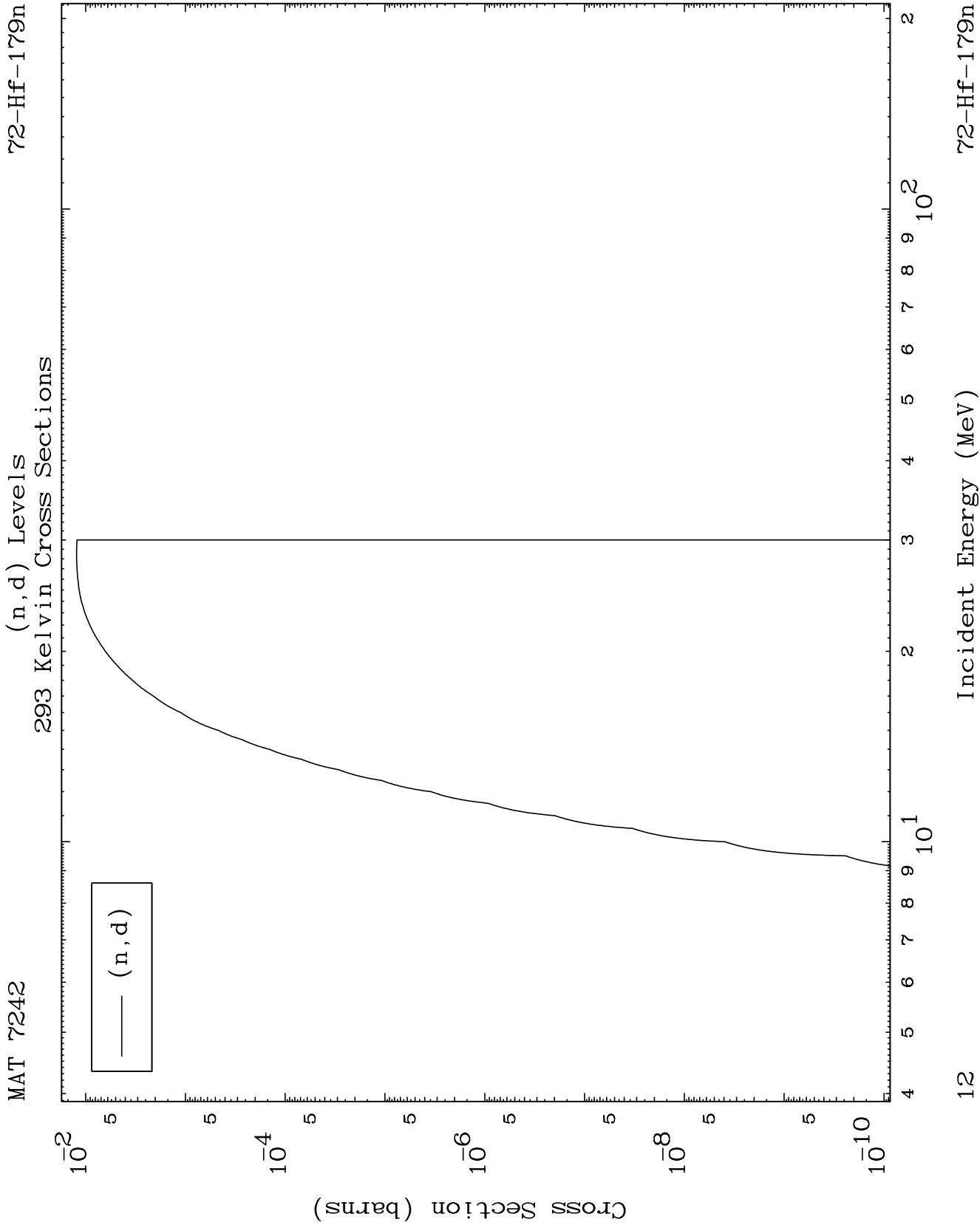


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(n,p) Levels
293 Kelvin Cross Sections

⁷²Hf-179n

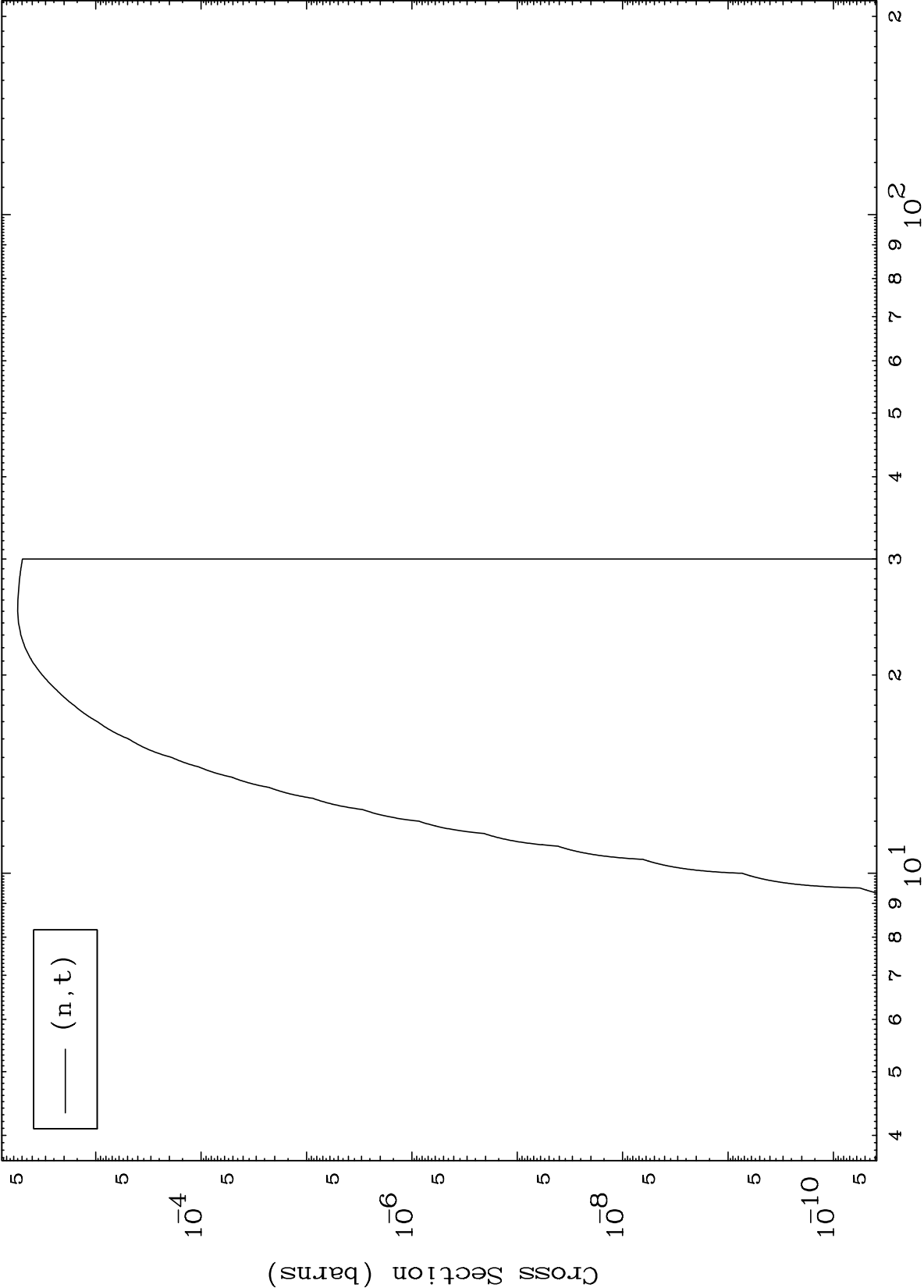




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(n,t) Levels
293 Kelvin Cross Sections

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



Incident Energy (MeV)

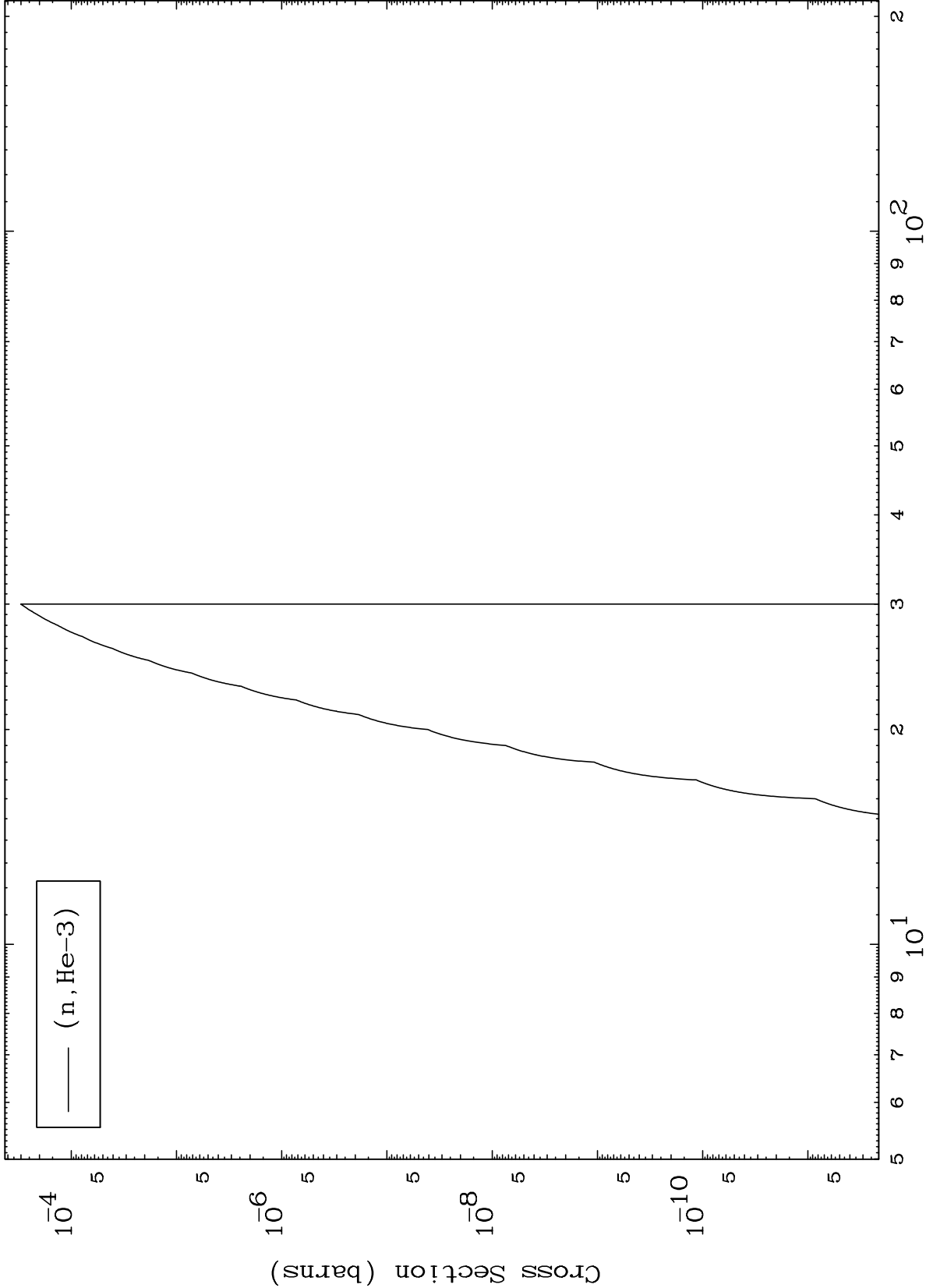
$^{72}\text{Hf}-179\text{n}$

13

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(n,He3) Levels
293 Kelvin Cross Sections

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



14

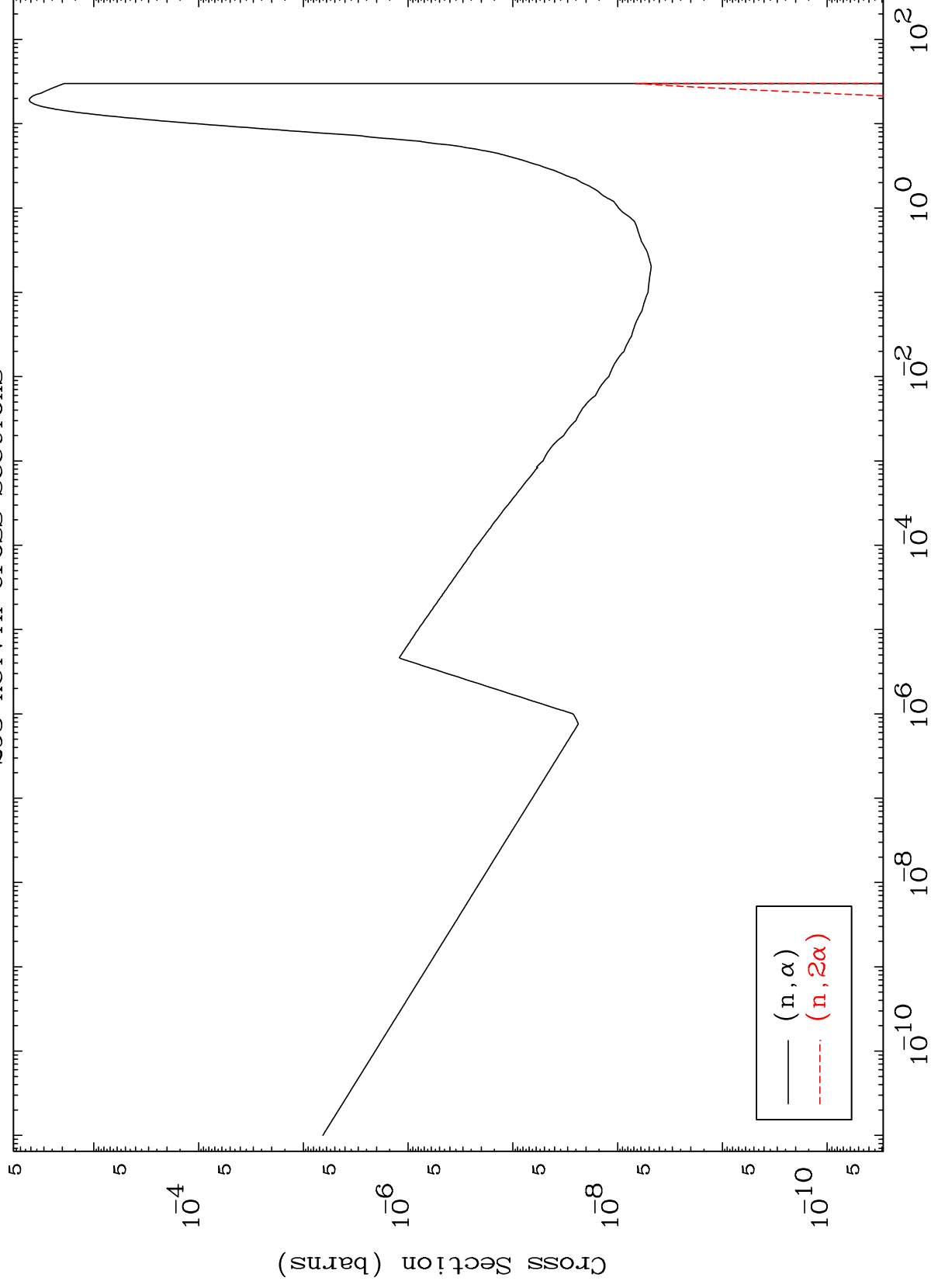
Incident Energy (MeV)

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

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(n, α) Levels
293 Kelvin Cross Sections

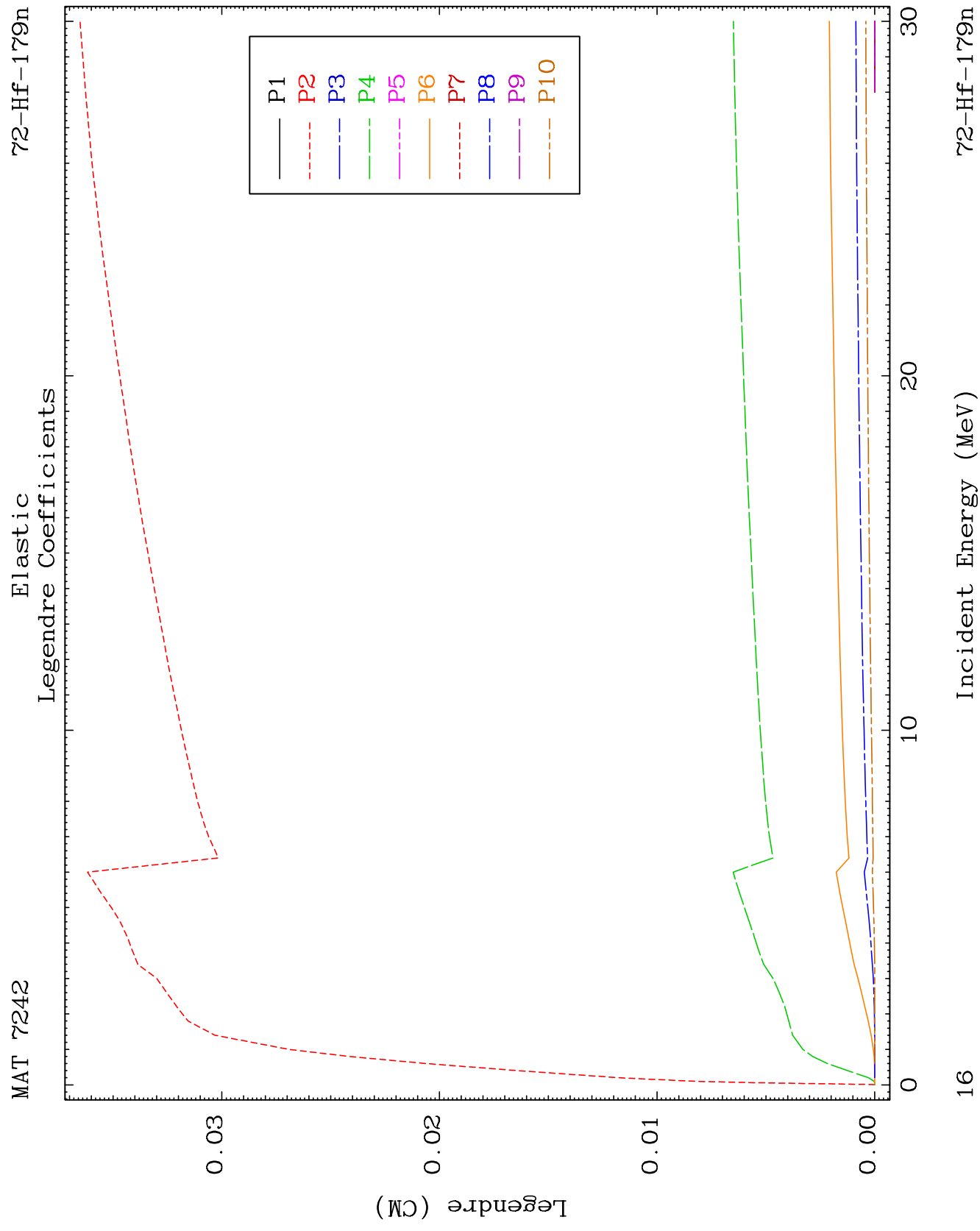
$^{72}\text{Hf}-^{179}\text{n}$

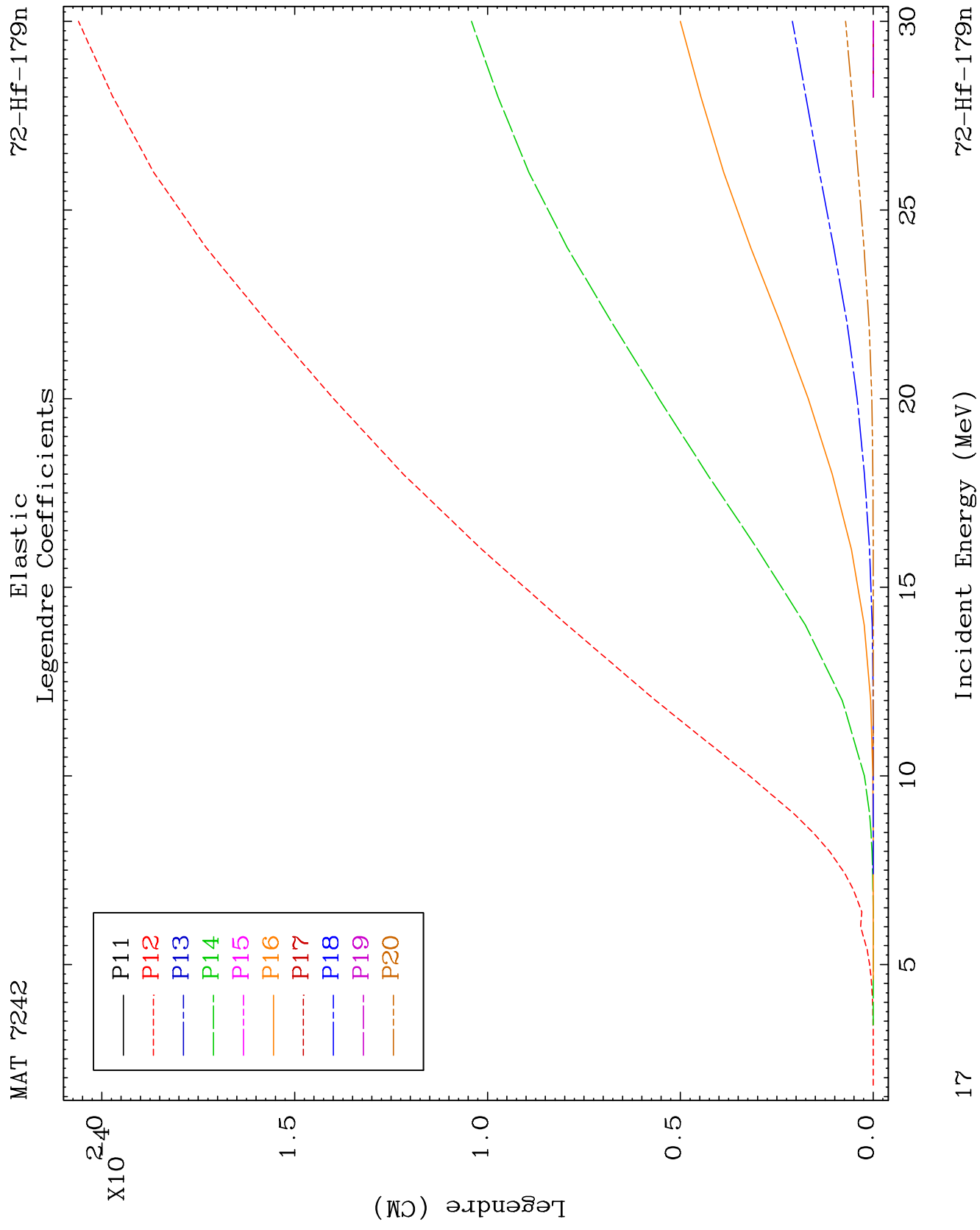


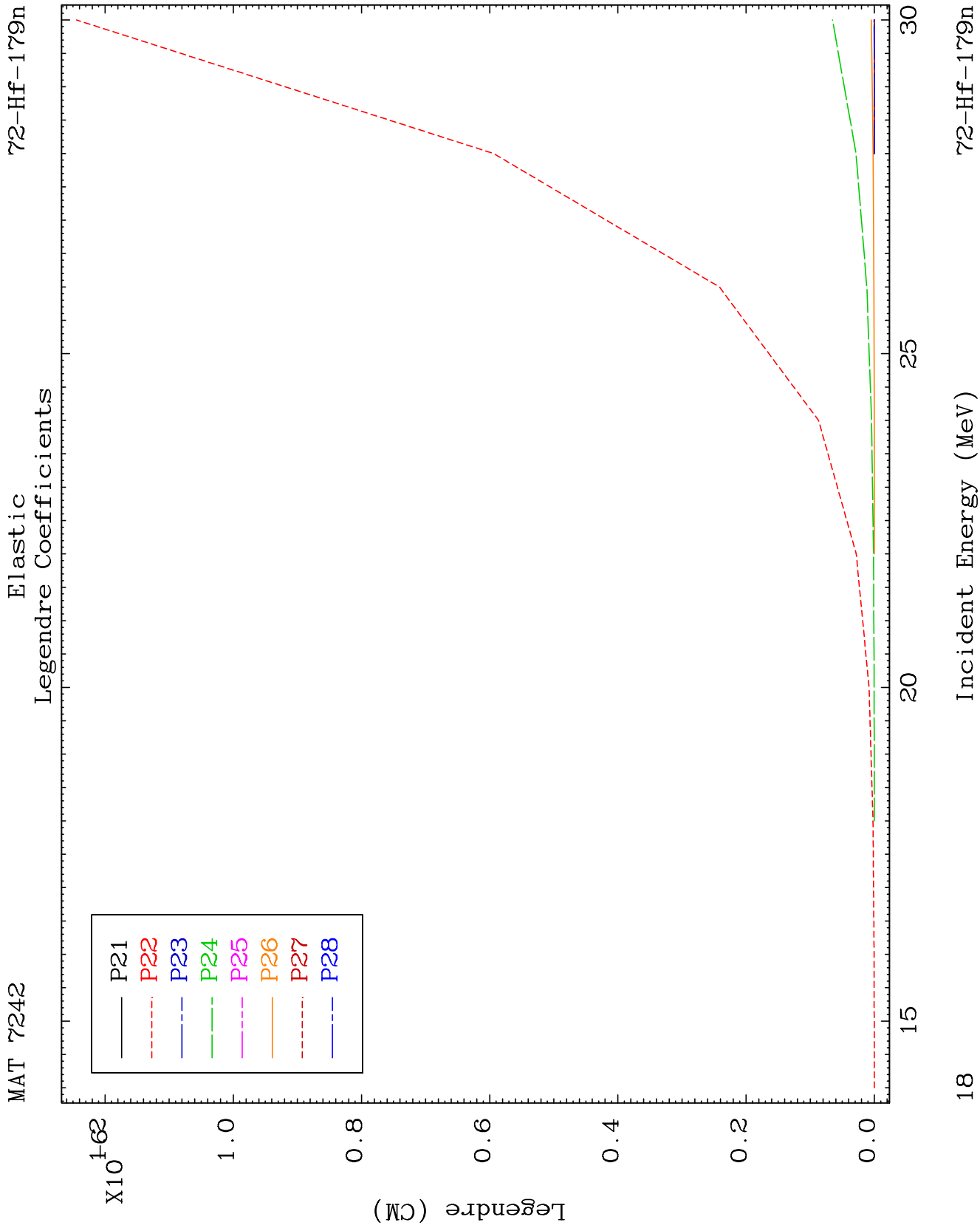
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Incident Energy (MeV)

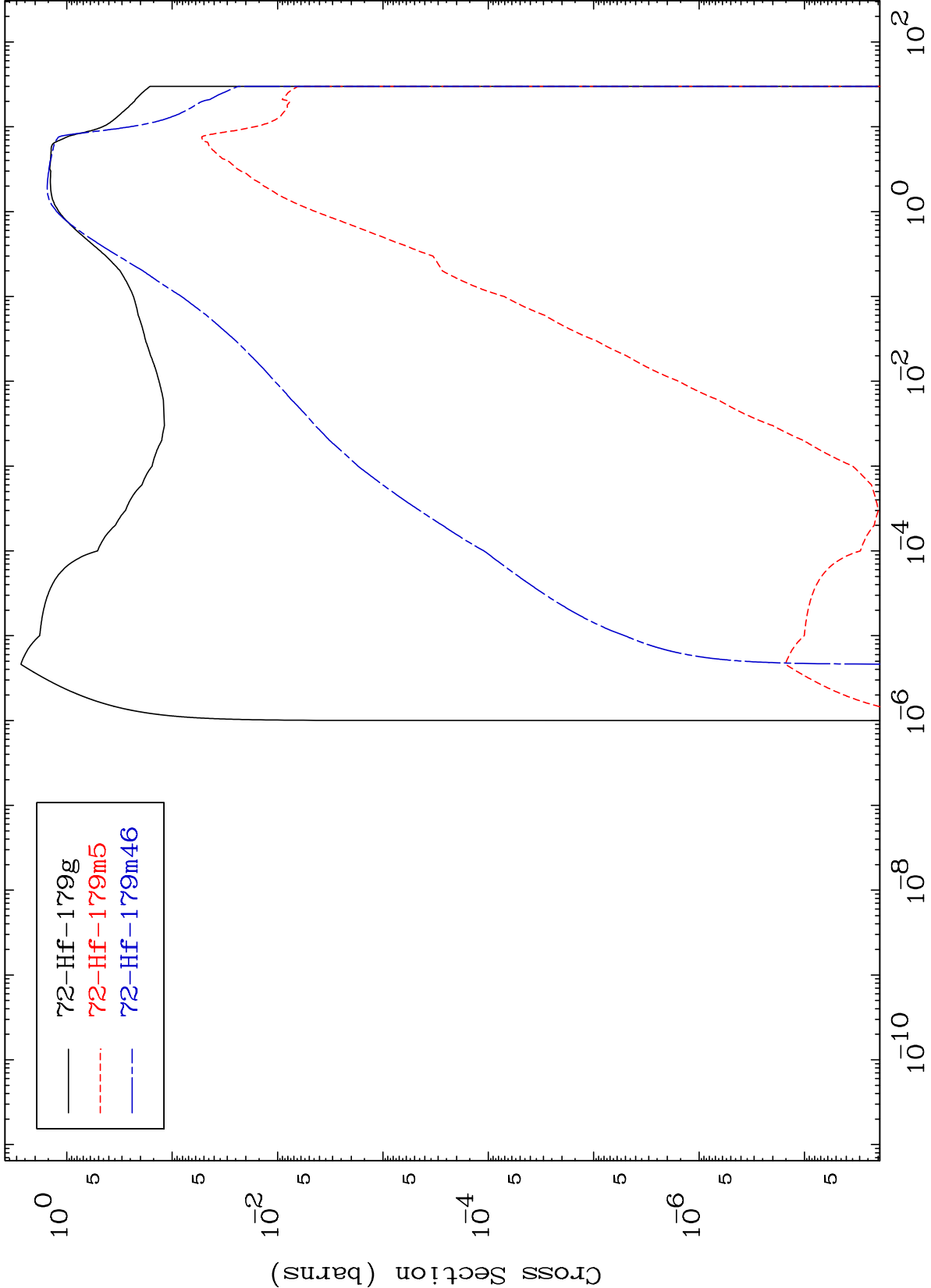
$^{72}\text{Hf}-^{179}\text{n}$







Inelastic
Radionuclide Production Cross Section

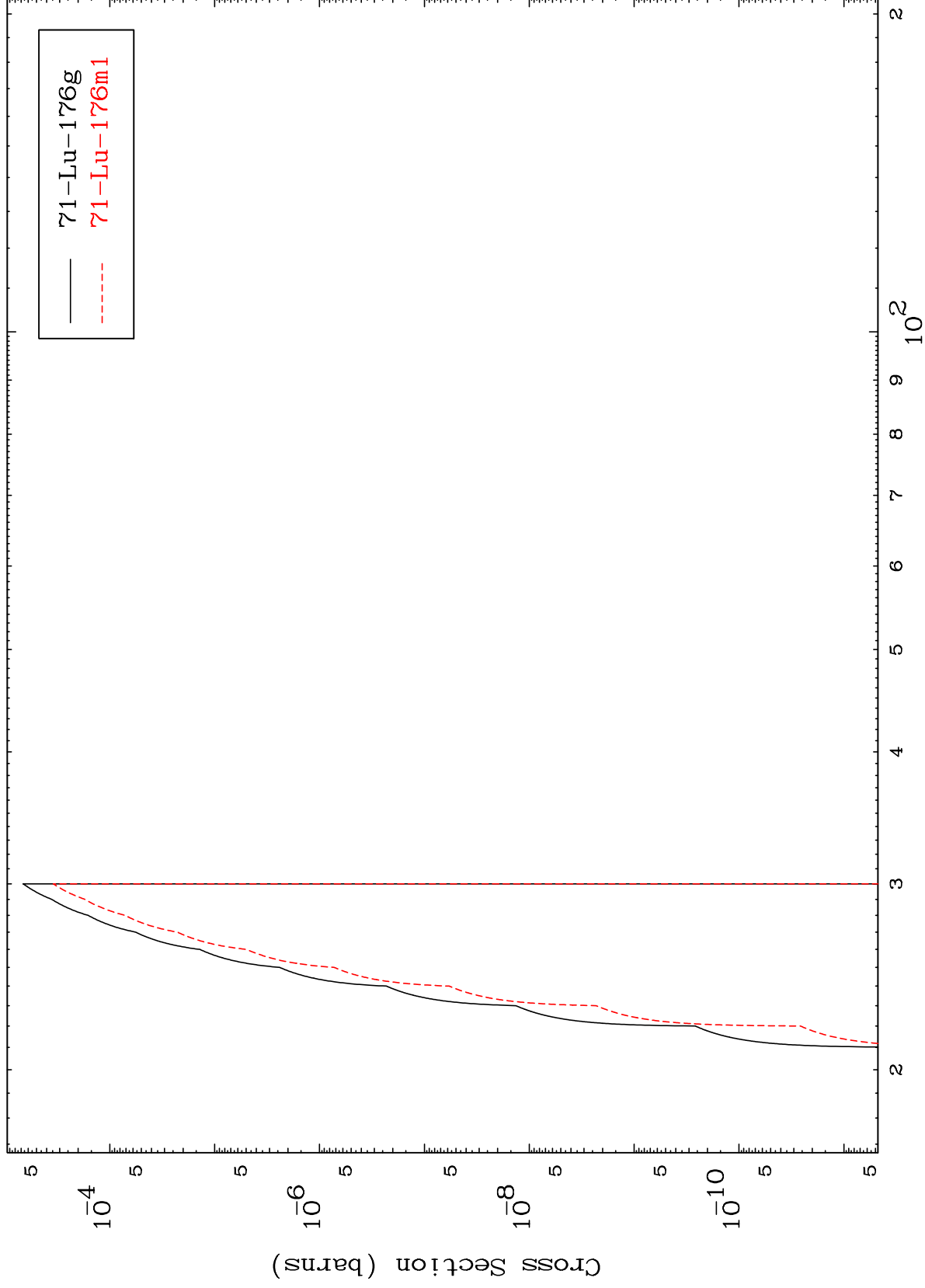


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(n,2n) d

⁷²Hf-¹⁷⁹n

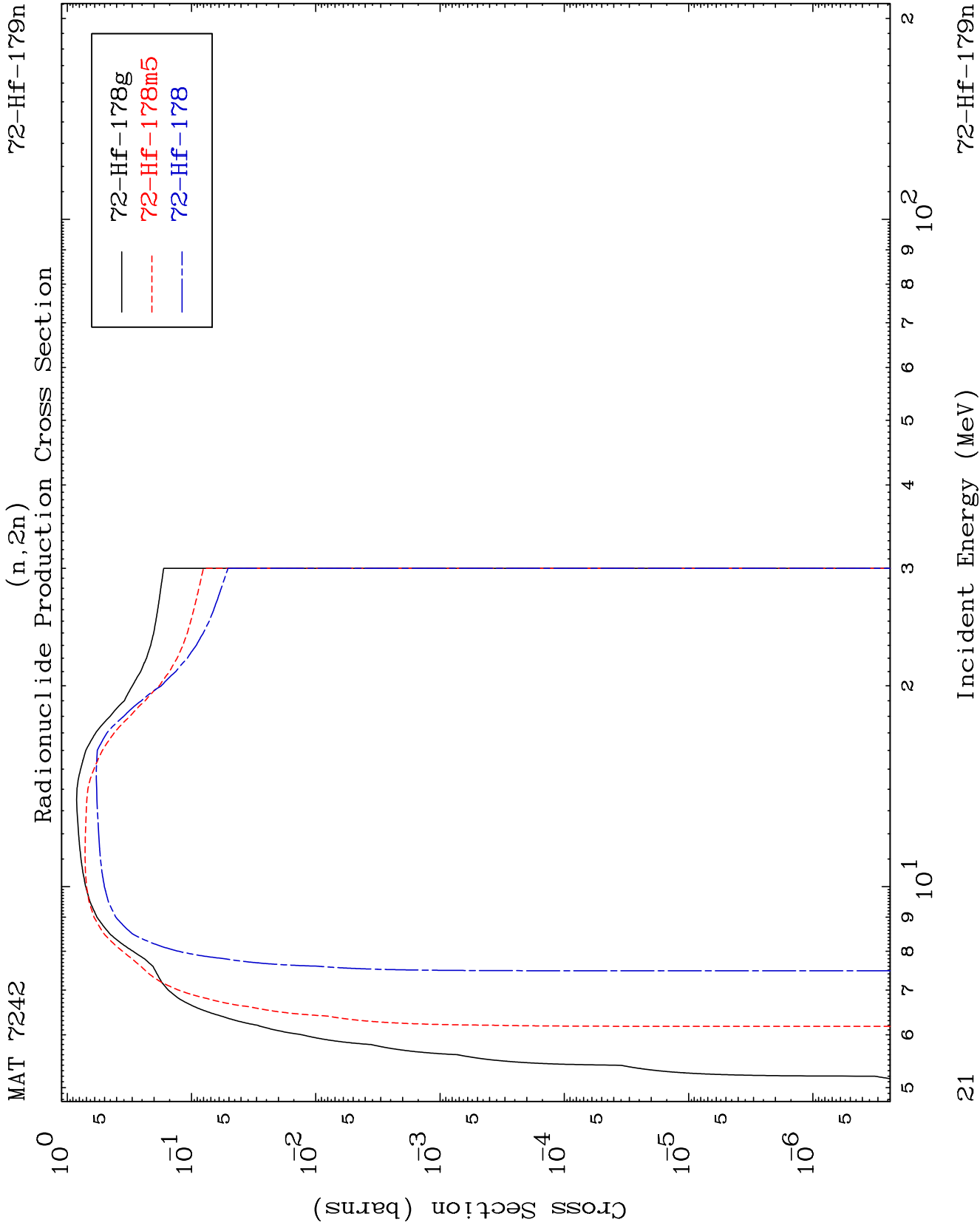
Radionuclide Production Cross Section



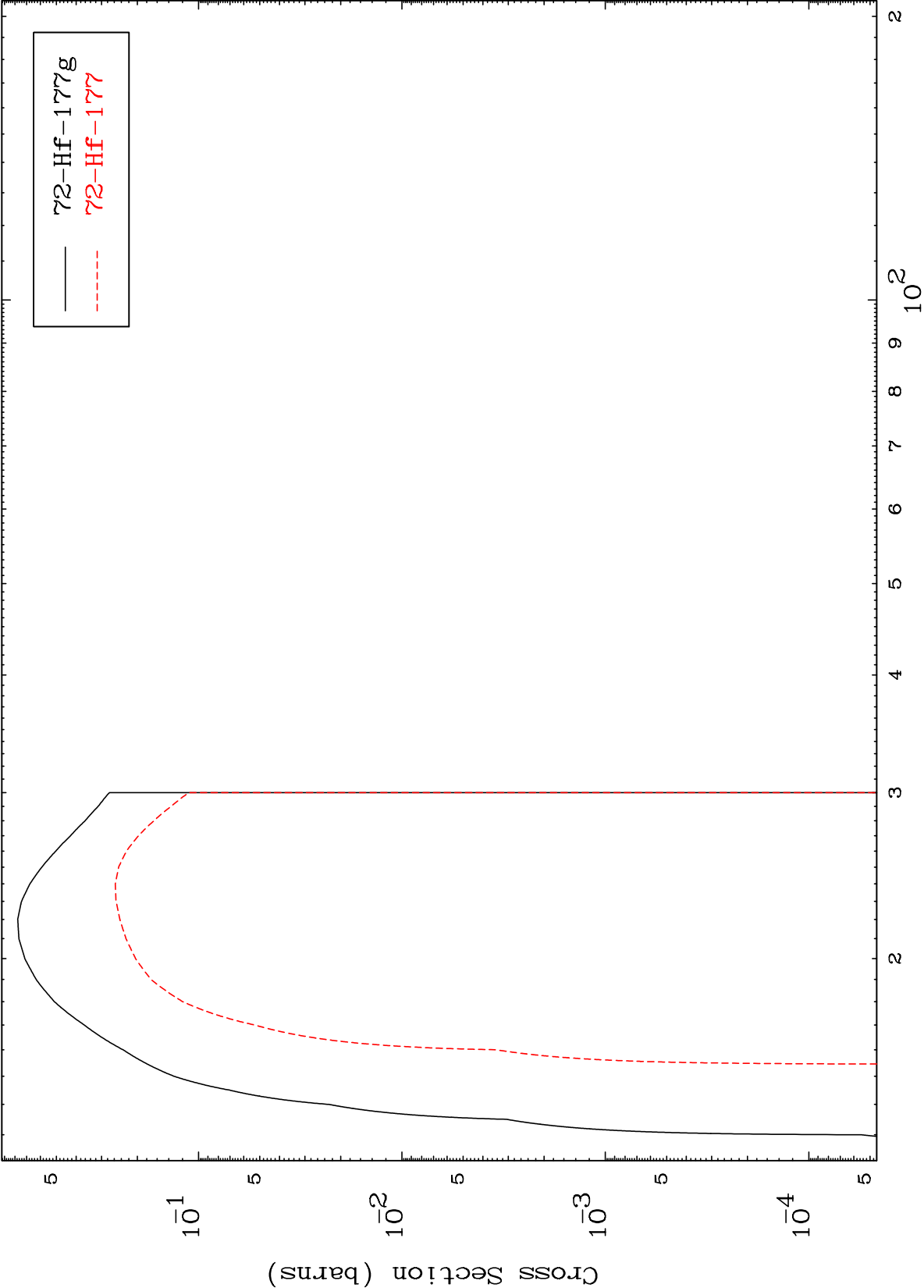
20

Incident Energy (MeV)

⁷²Hf-¹⁷⁹n



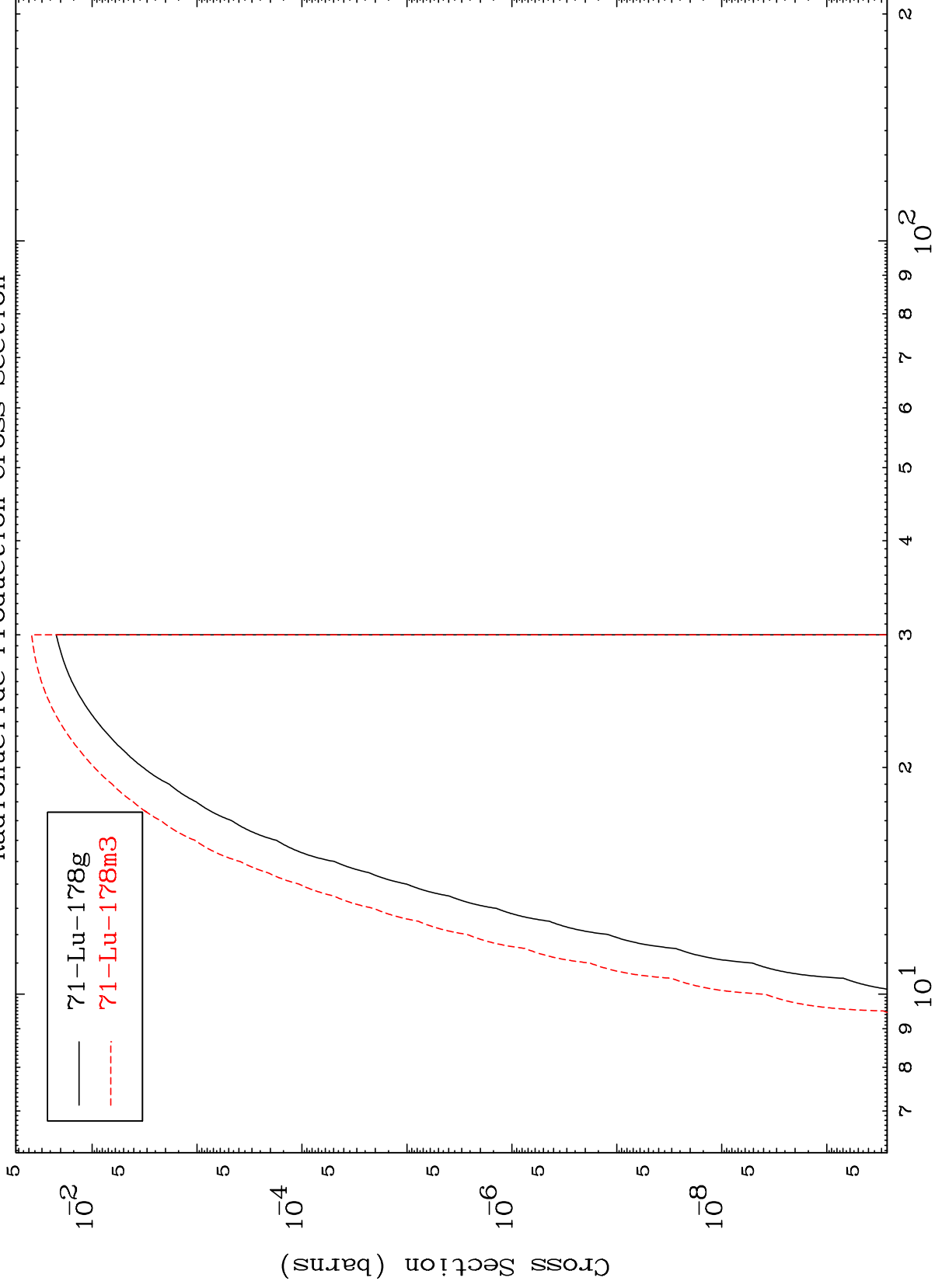
Radionuclide Production Cross Section



MAT 7242

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

Radionuclide Production Cross Section



23

Incident Energy (MeV)

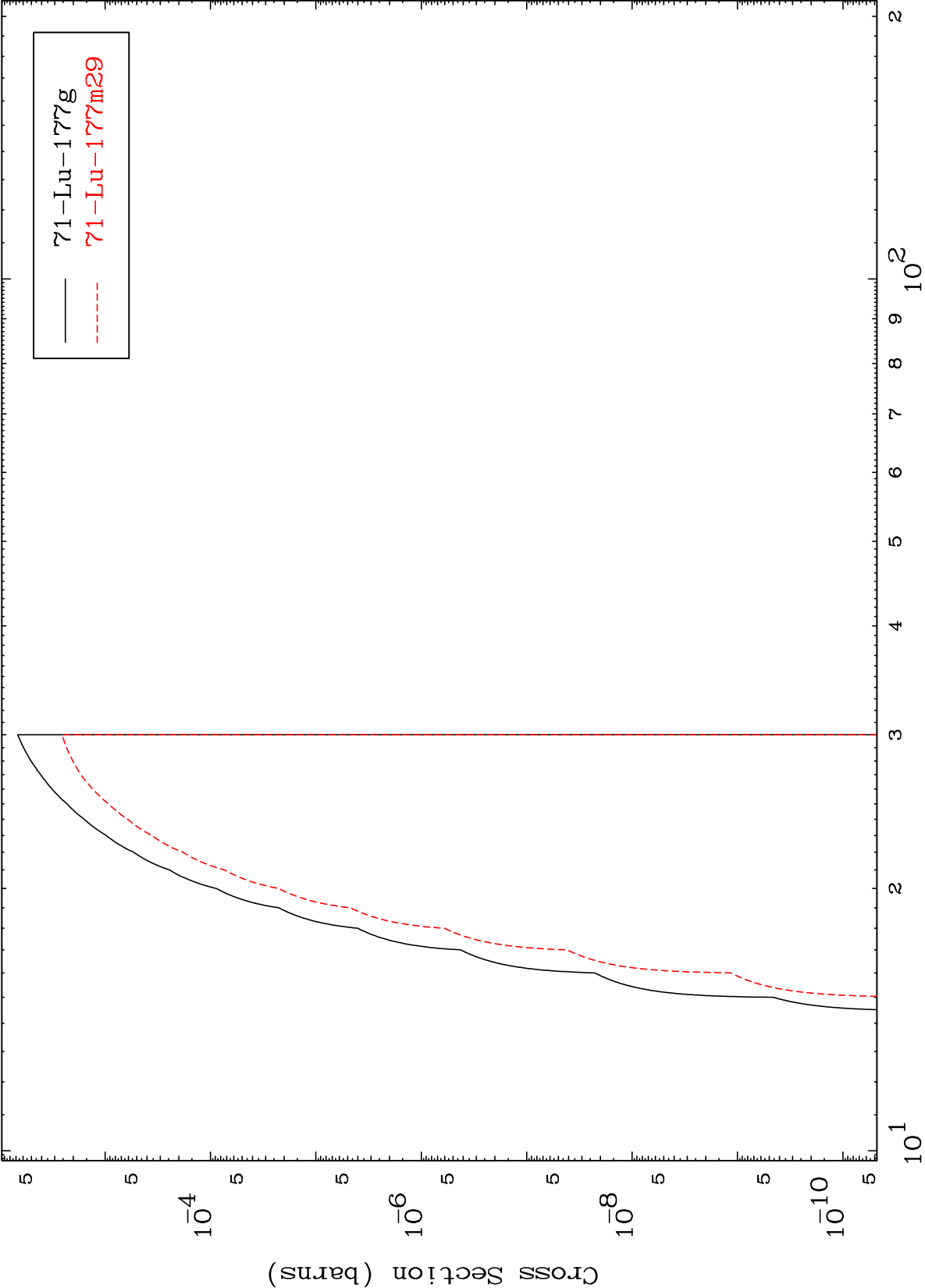
$^{72}\text{Hf}-^{179}\text{n}$

MAT 7242

(n,n') d

⁷²Hf-¹⁷⁹n

Radionuclide Production Cross Section



Incident Energy (MeV)

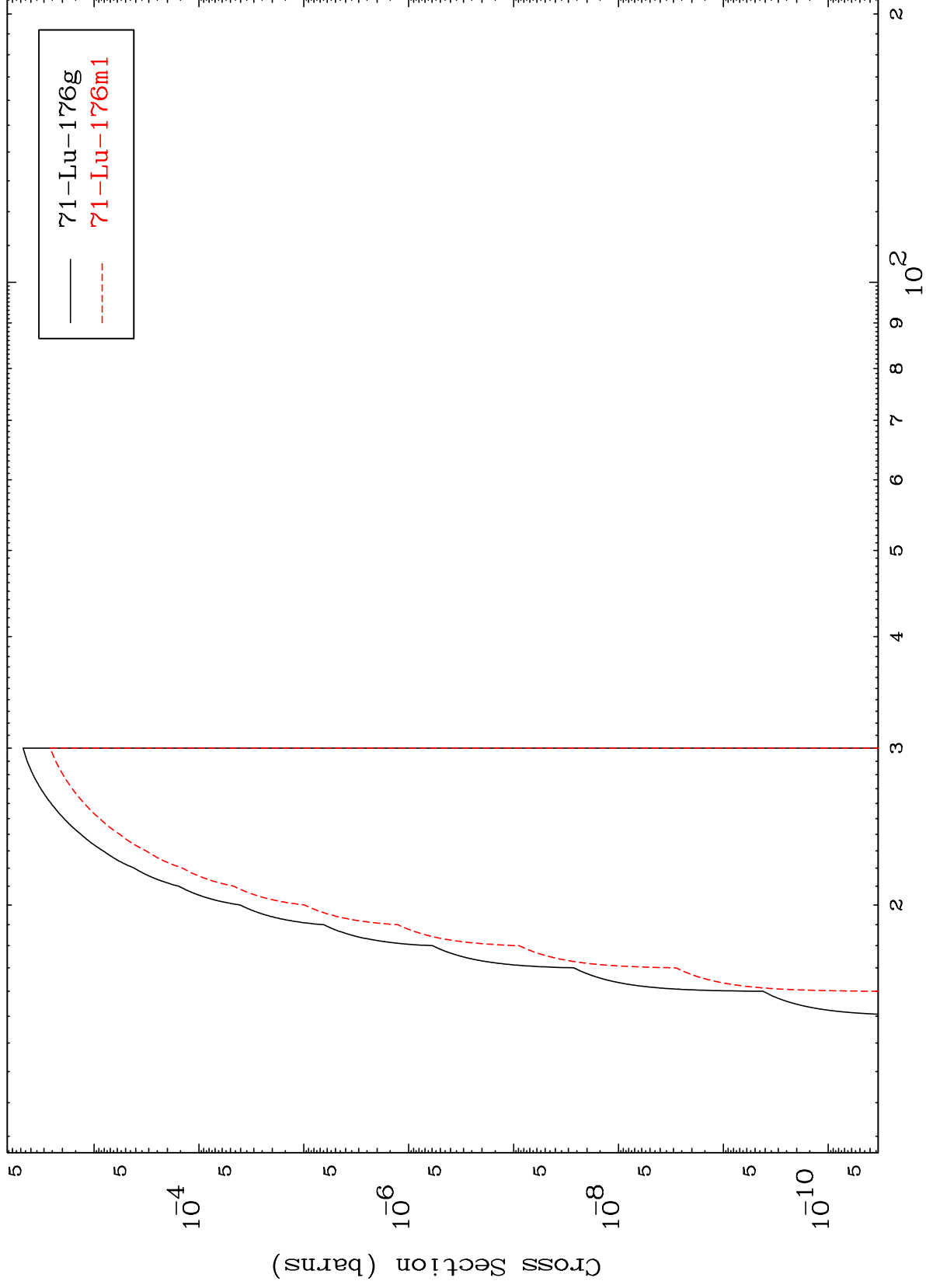
⁷²Hf-¹⁷⁹n

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(n,n') t

⁷²Hf-¹⁷⁹n

Radionuclide Production Cross Section

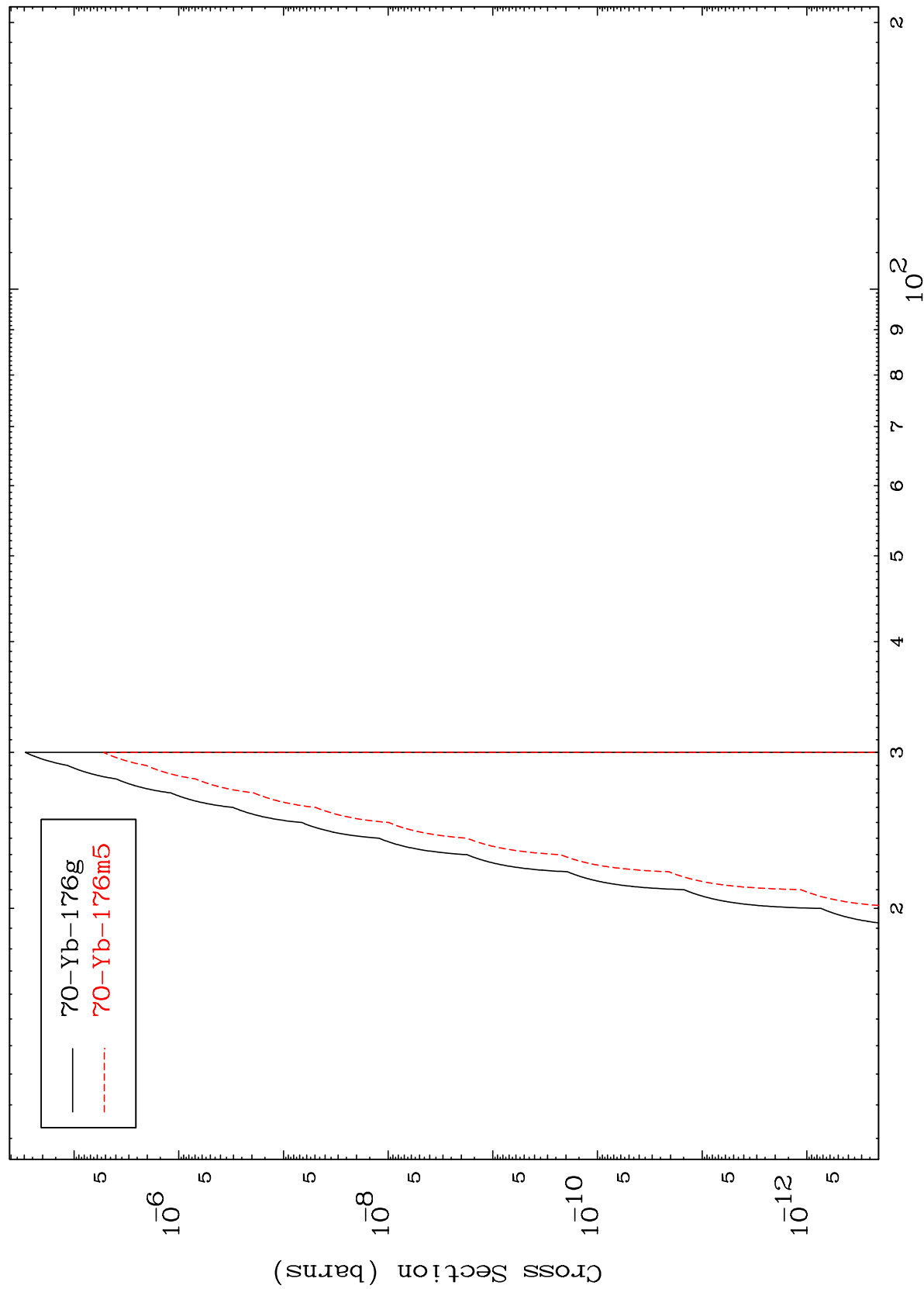


25

Incident Energy (MeV)

⁷²Hf-¹⁷⁹n

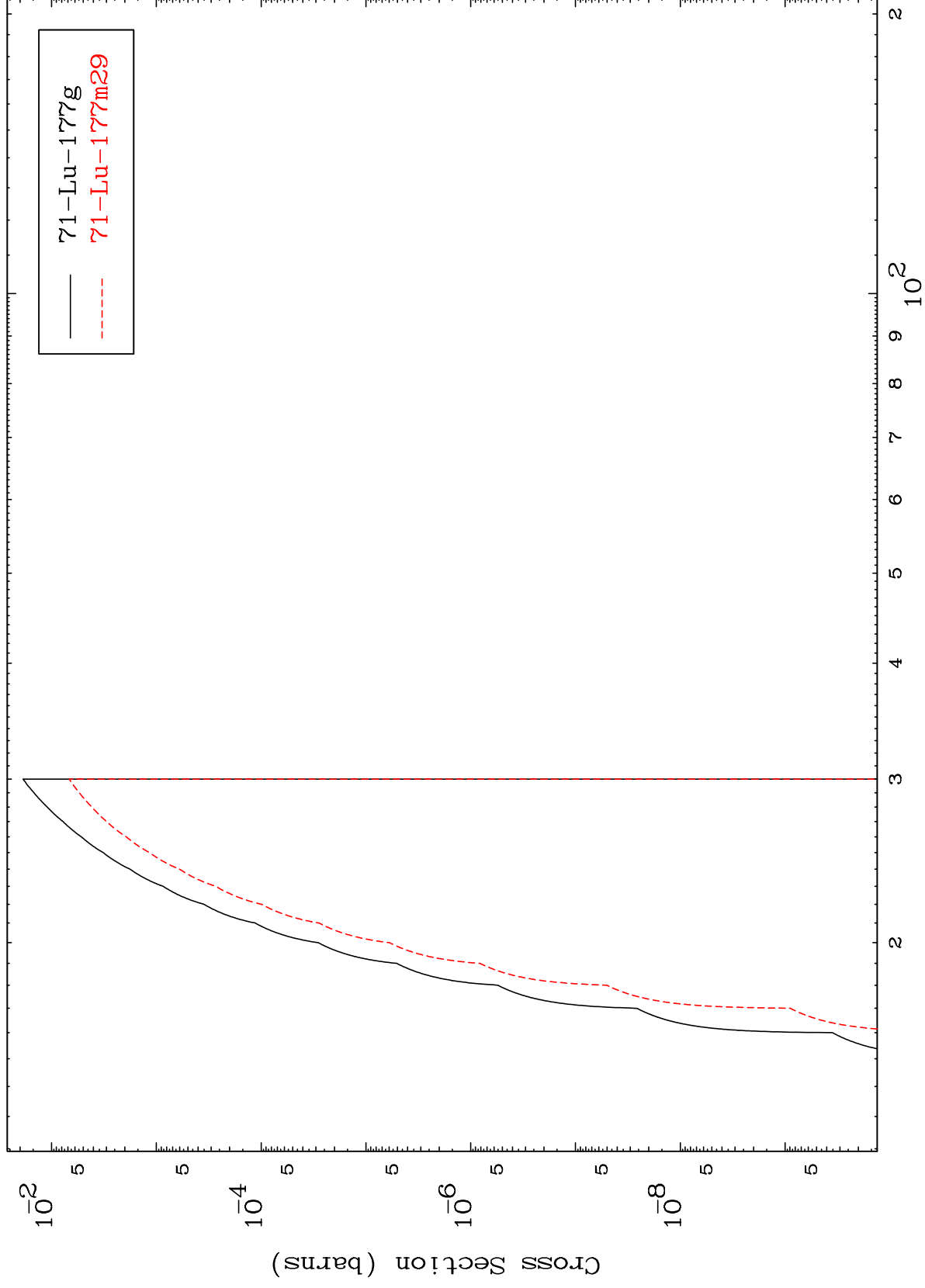
$(\text{n}, \text{n}') \text{ He-3}$
Radionuclide Production Cross Section



MAT 7242

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

$(\text{n},2\text{n})$ p
Radionuclide Production Cross Section



27

Incident Energy (MeV)

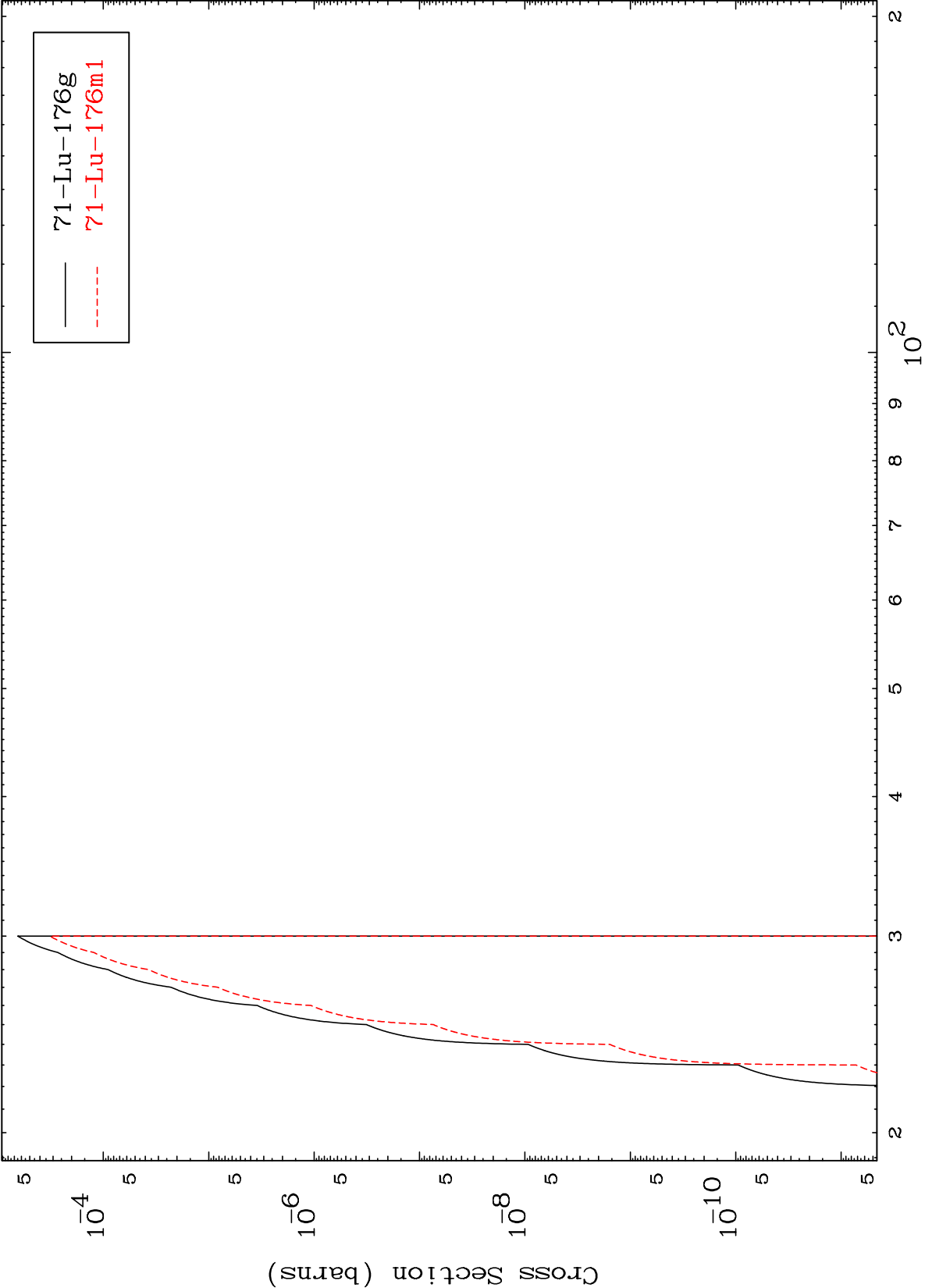
$^{72}\text{Hf}-^{179}\text{n}$

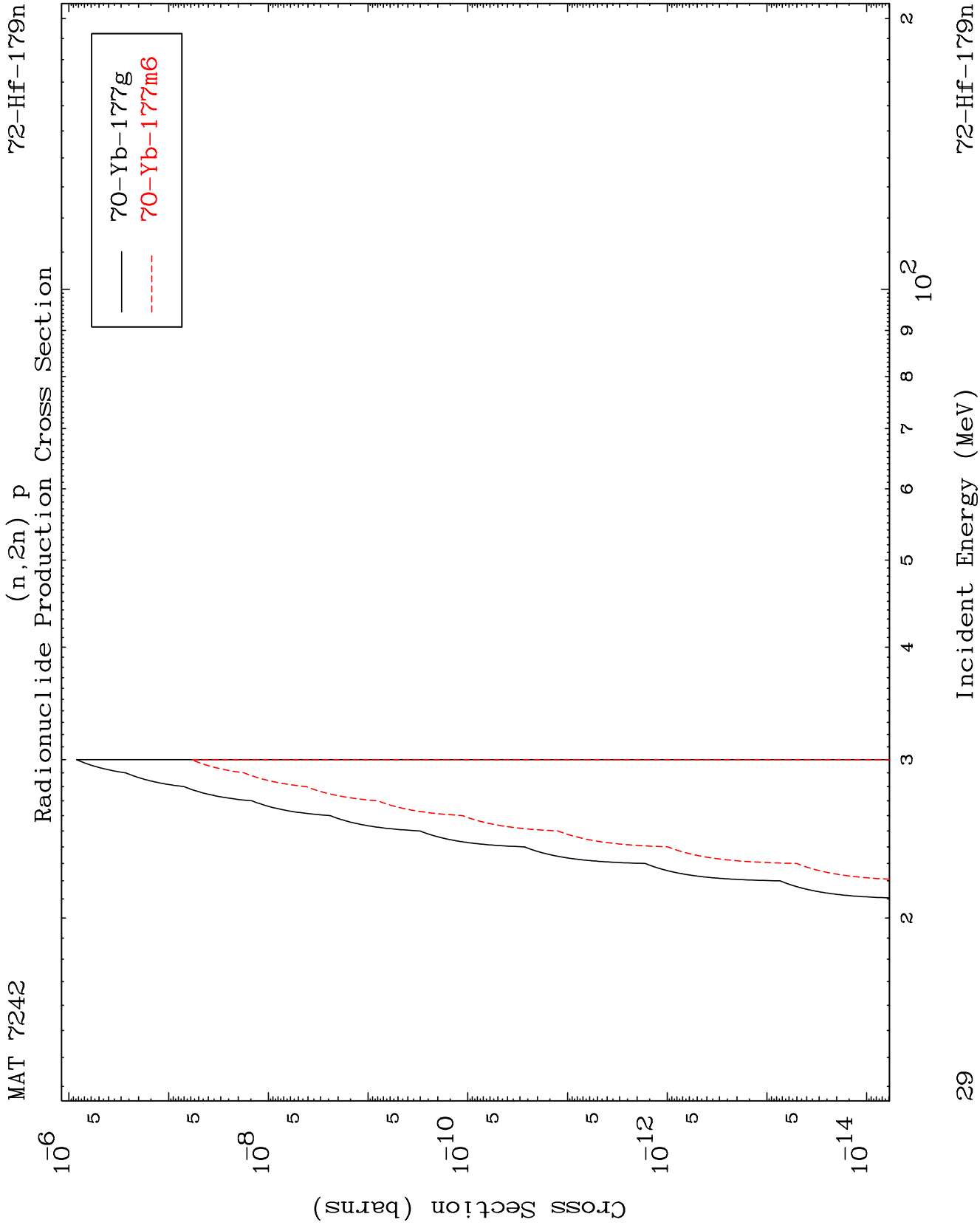
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(n,3n) p

⁷²Hf-¹⁷⁹n

Radionuclide Production Cross Section



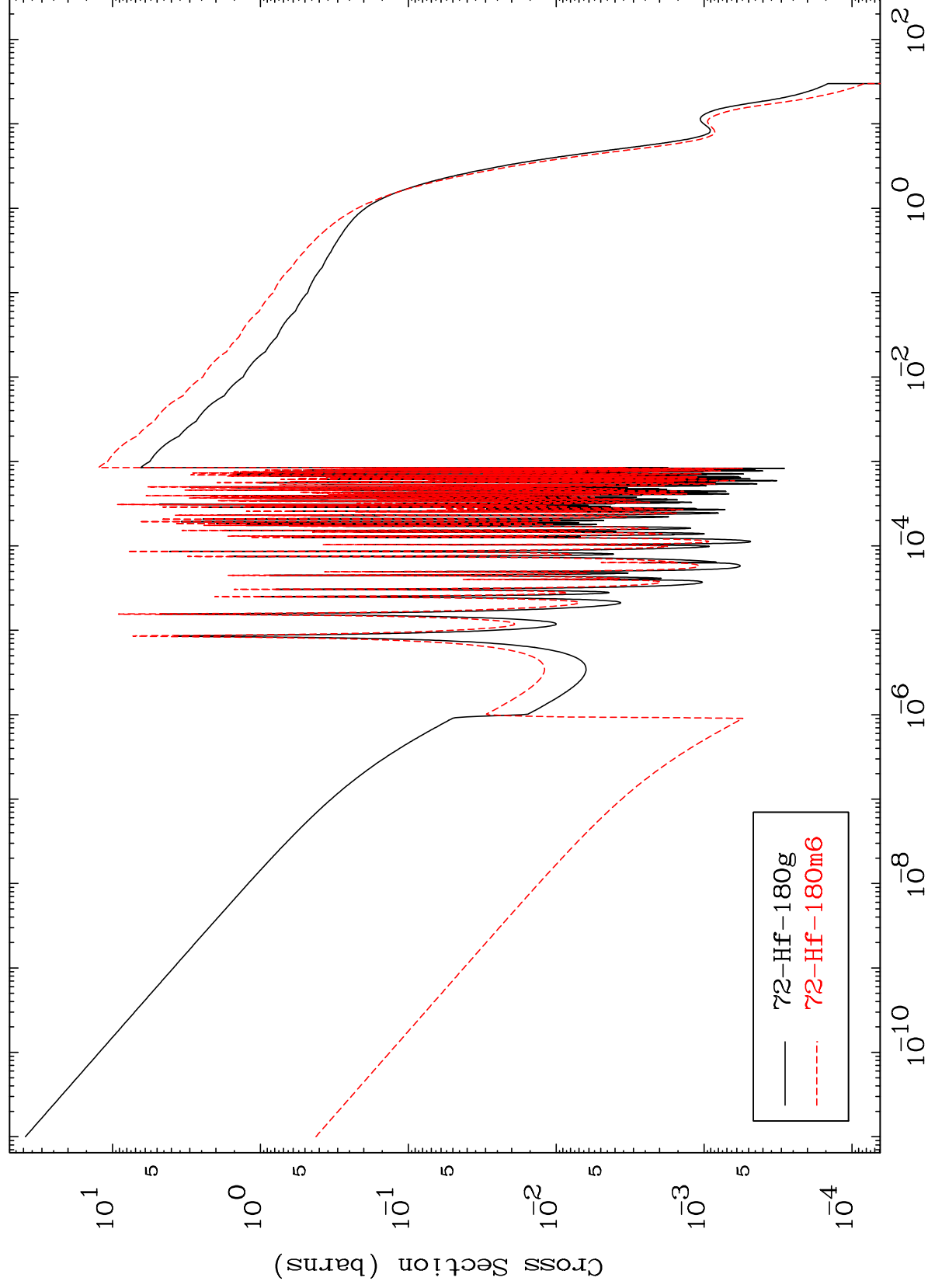


MAT 7242

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

Radionuclide Production Cross Section

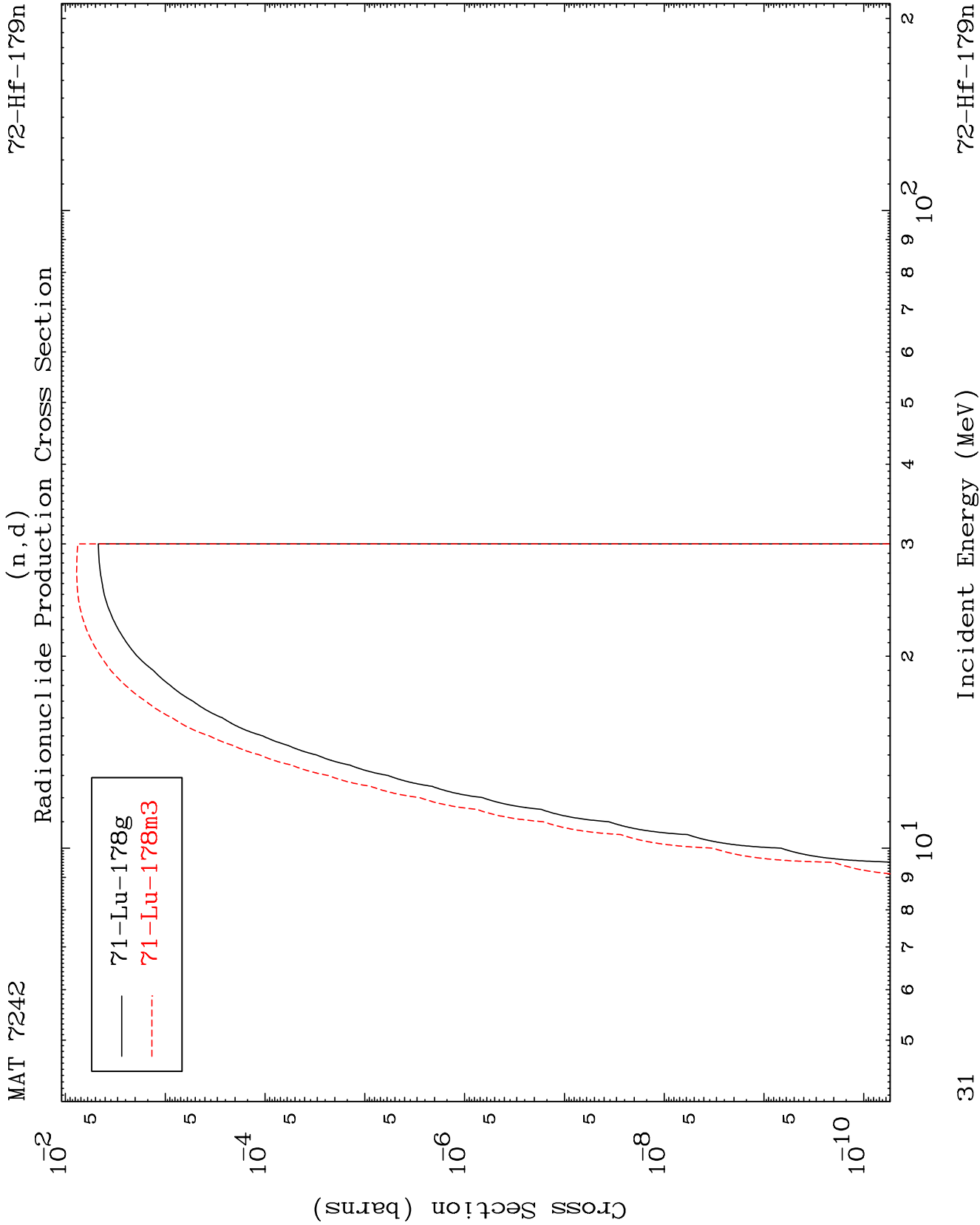
(n, γ)

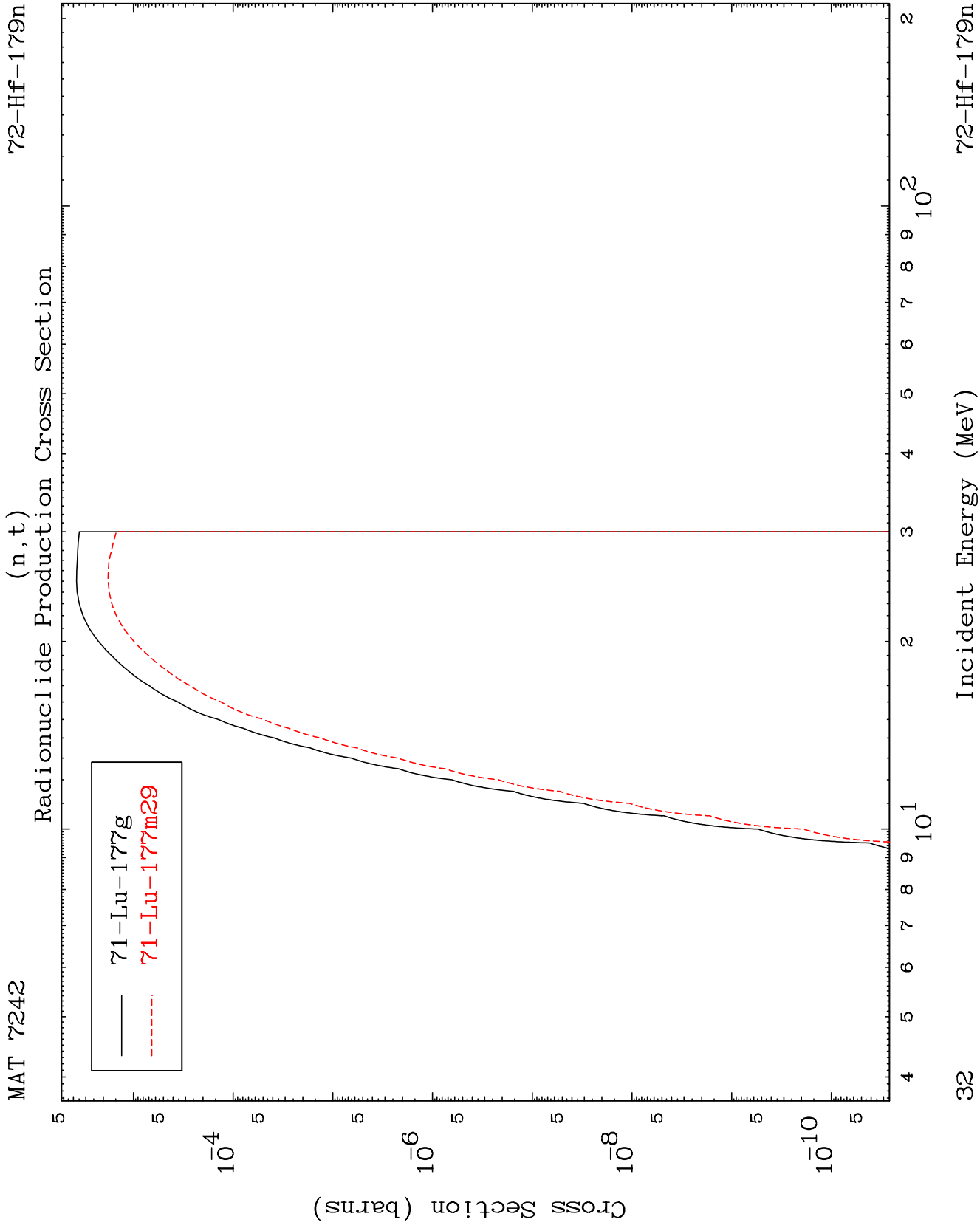


30

Incident Energy (MeV)

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

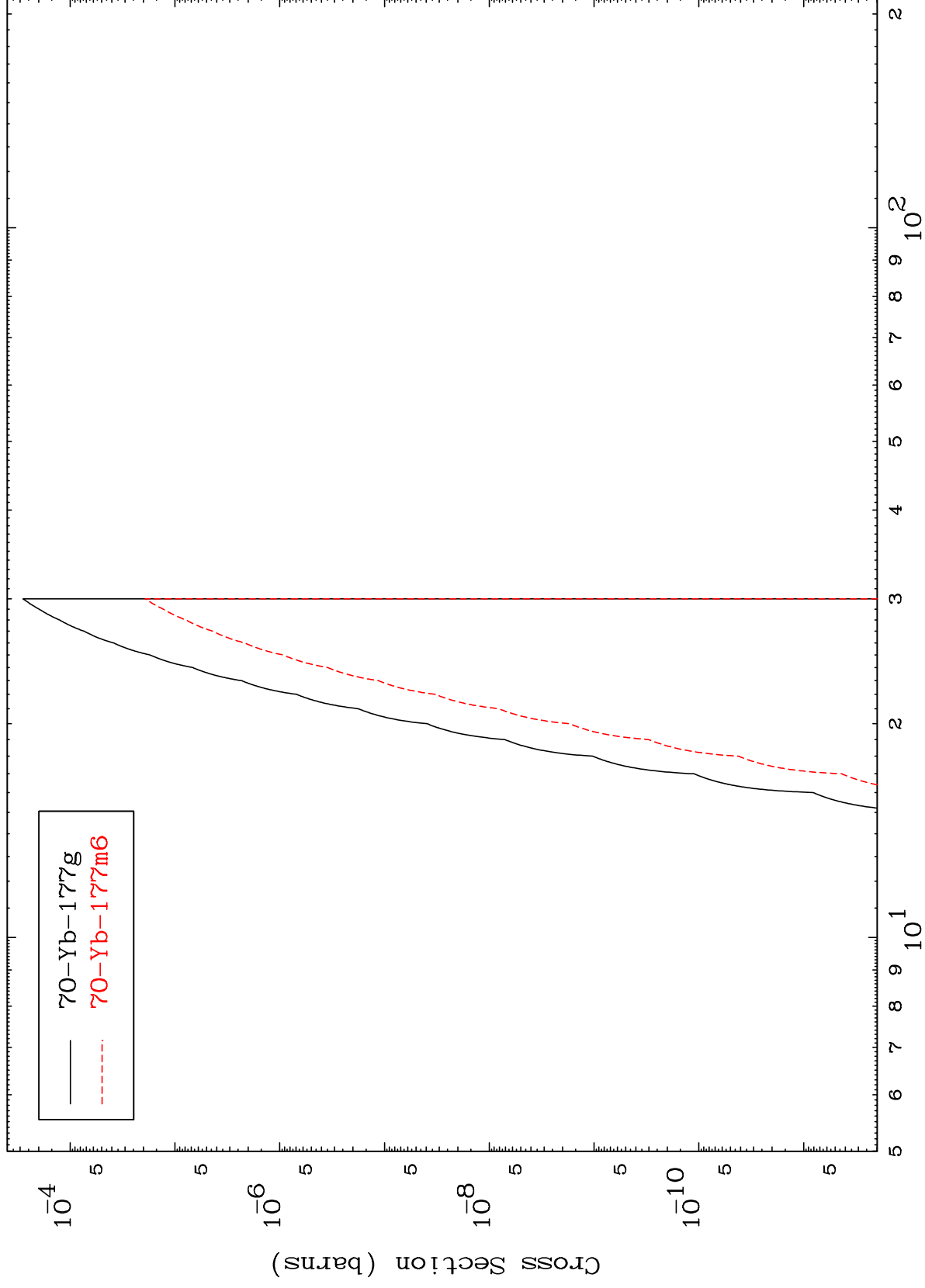




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$^{72}\text{Hf}-^{179}\text{n}$

Radionuclide Production Cross Section



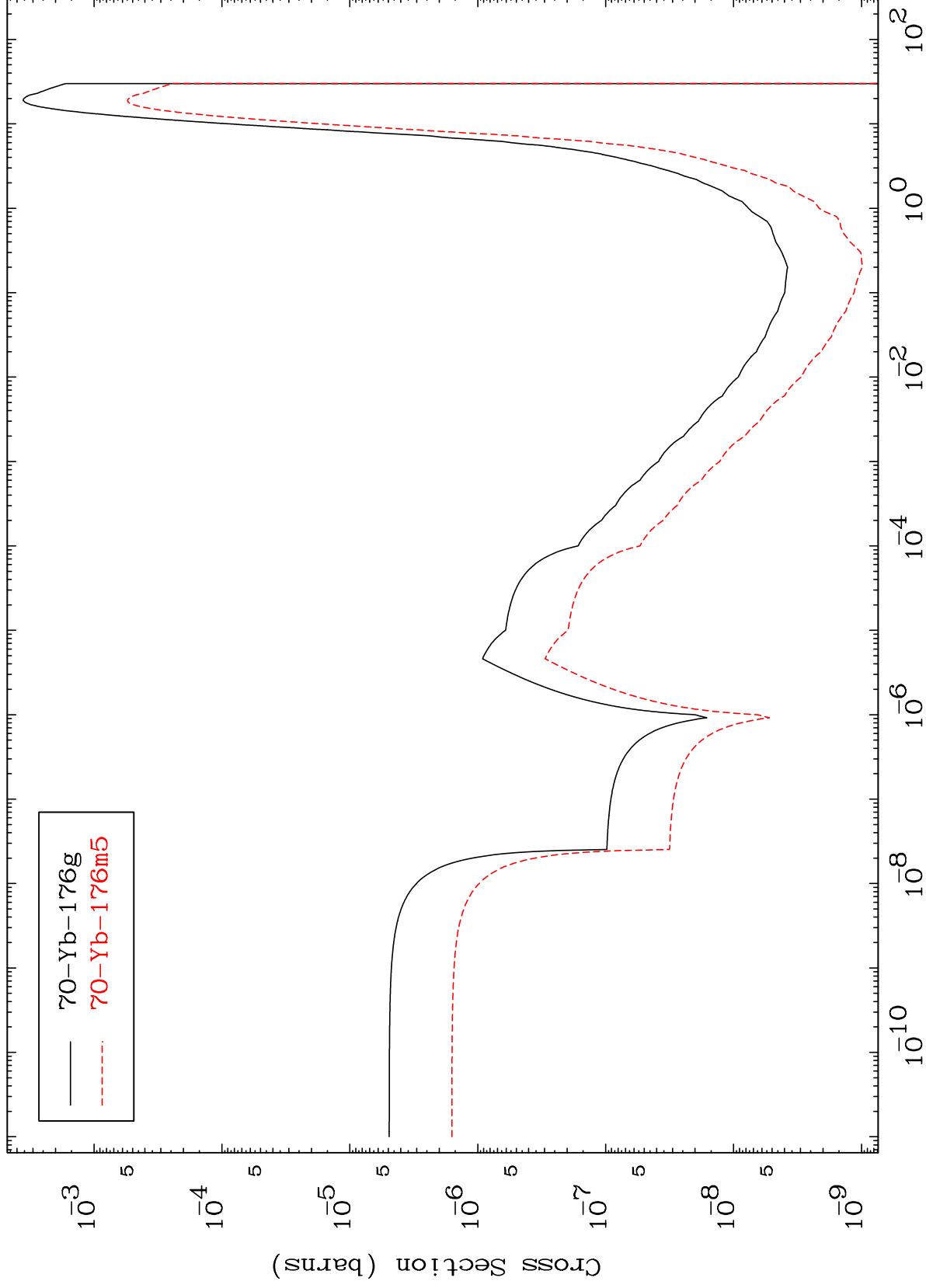
33

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

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

Radionuclide Production Cross Section



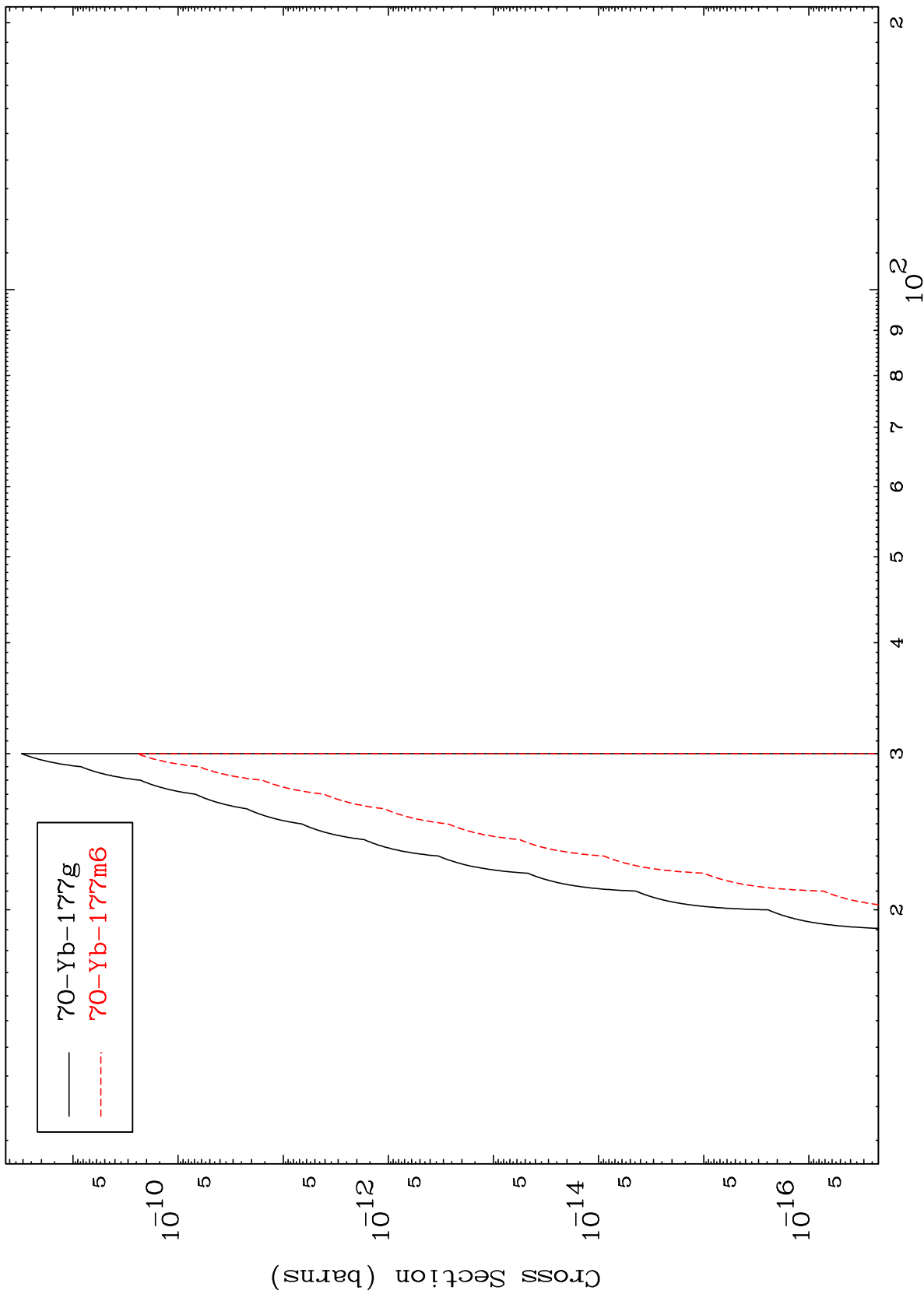
34

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

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

(n,p) d
Radionuclide Production Cross Section



35

Incident Energy (MeV)

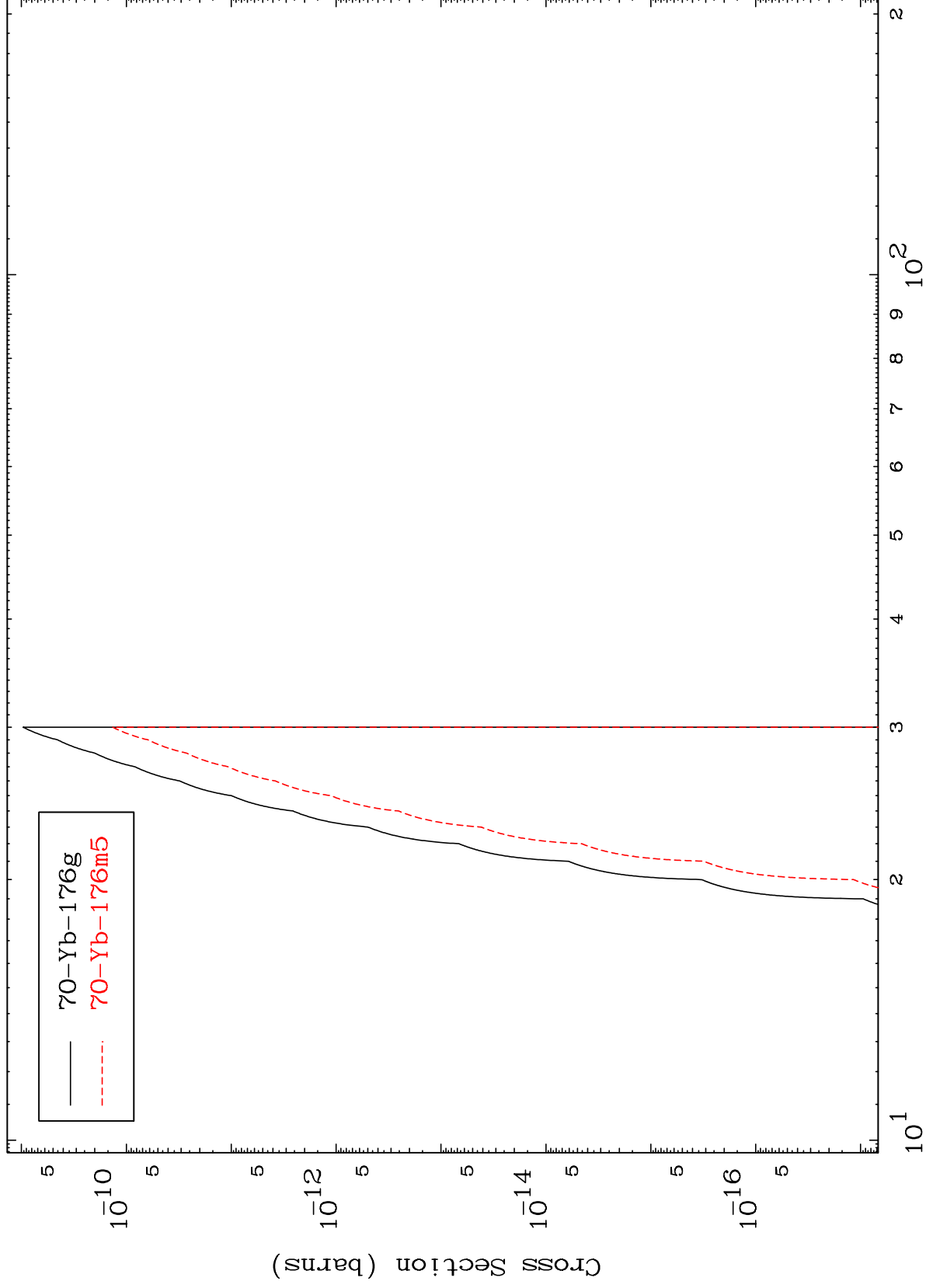
$^{72}\text{Hf}-^{179}\text{n}$

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(n,p) t

⁷²Hf-¹⁷⁹n

Radionuclide Production Cross Section



Incident Energy (MeV)

⁷²Hf-¹⁷⁹n