

Program EVALPLOT
(Version 2021-1)

by

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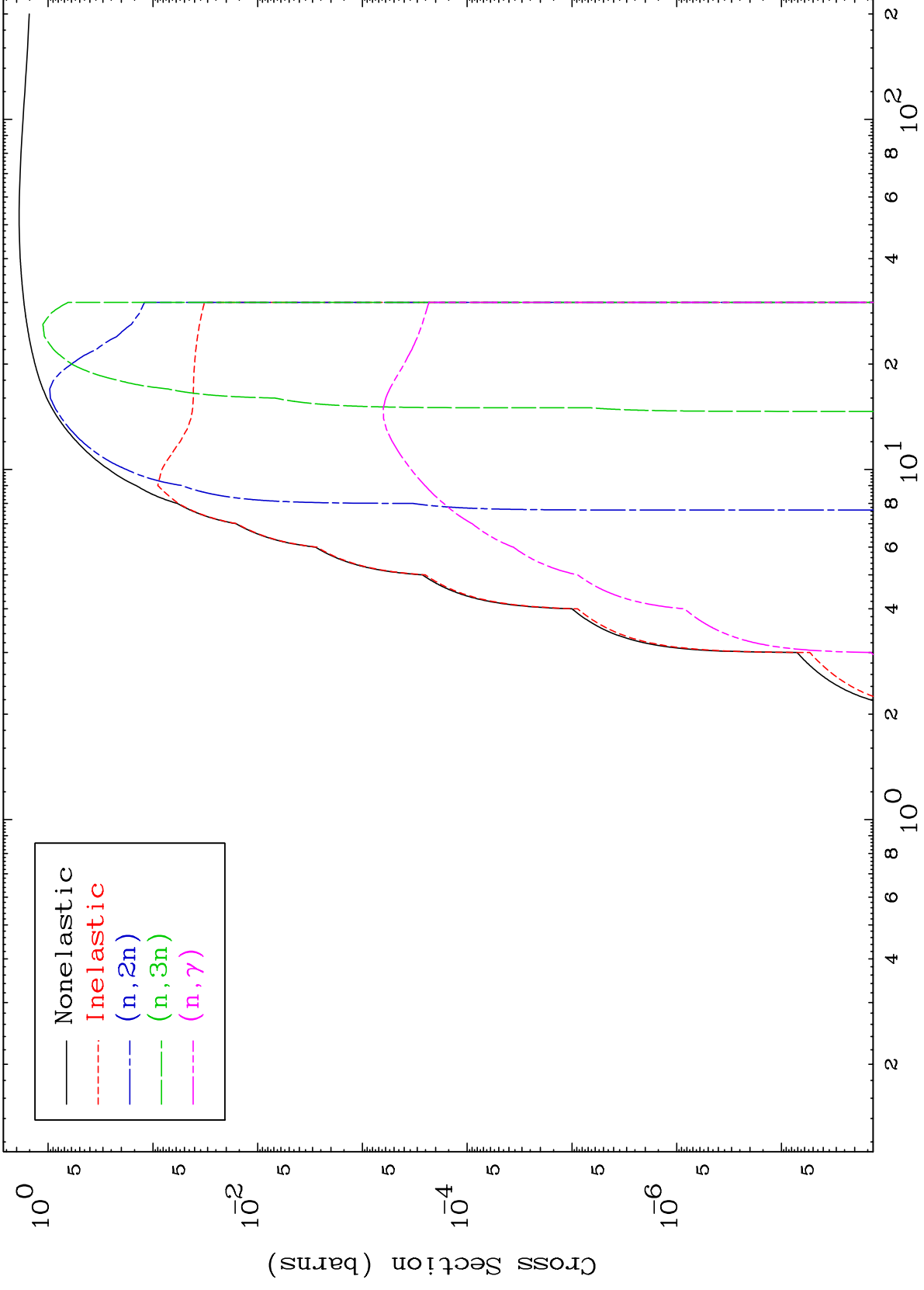
Press Mouse Button to Start

MAT 7242

Proton Major

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

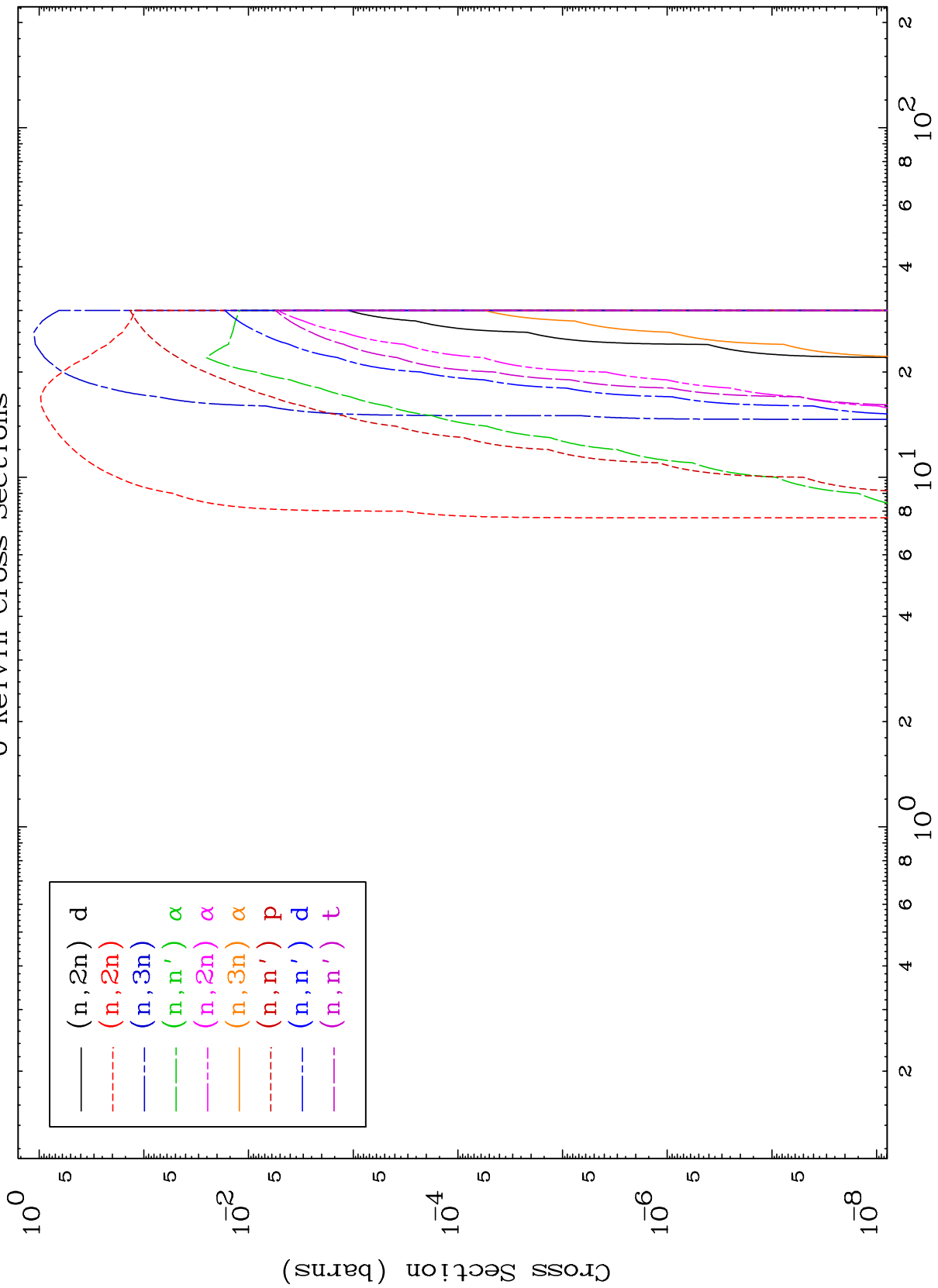
0 Kelvin Cross Sections



MAT 7242

Proton Neutron Absorption
0 Kelvin Cross Sections

⁷²Hf-179n



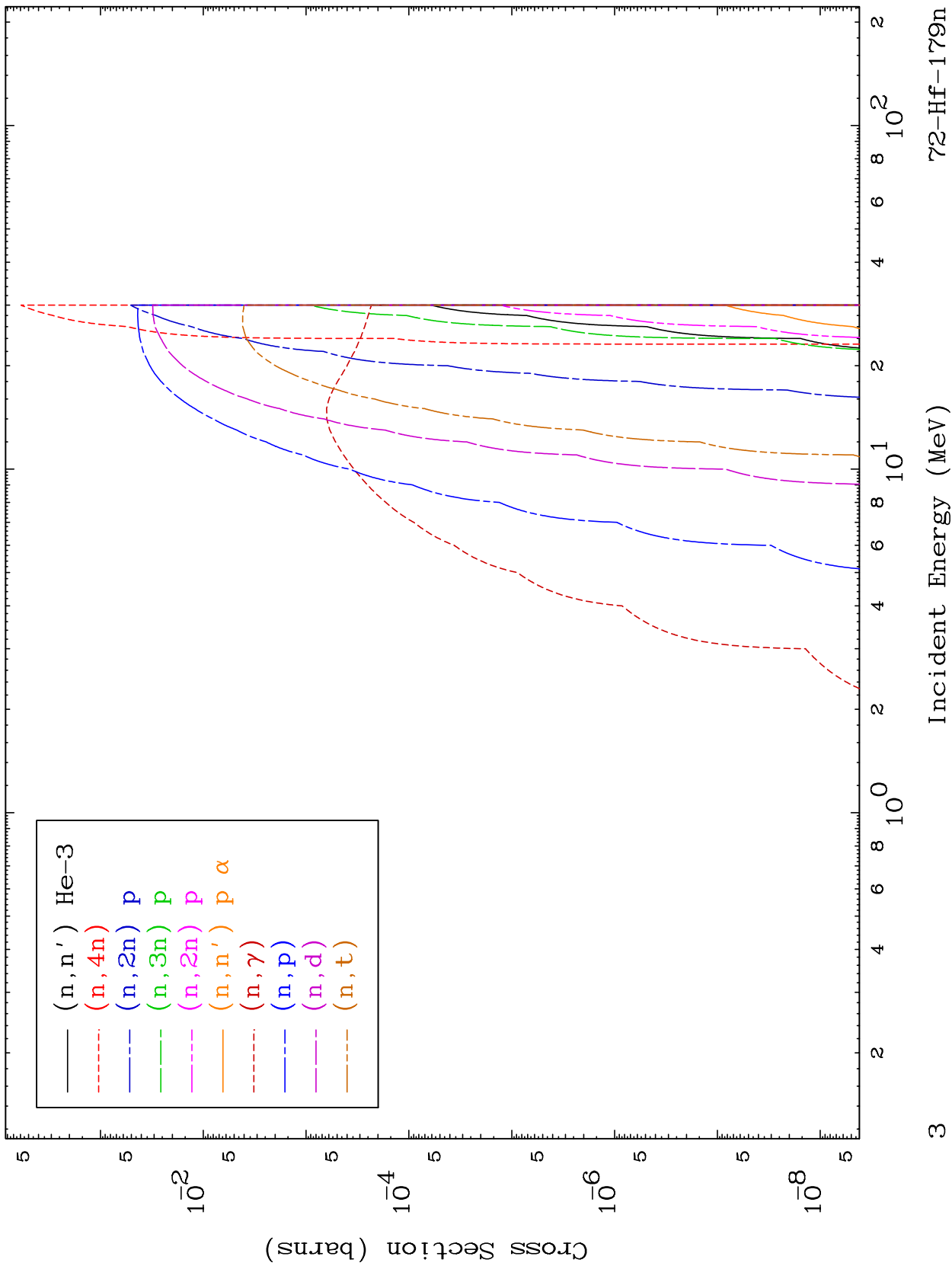
⁷²Hf-179n

Incident Energy (MeV)

MAT 7242

Proton Neutron Absorption
0 Kelvin Cross Sections

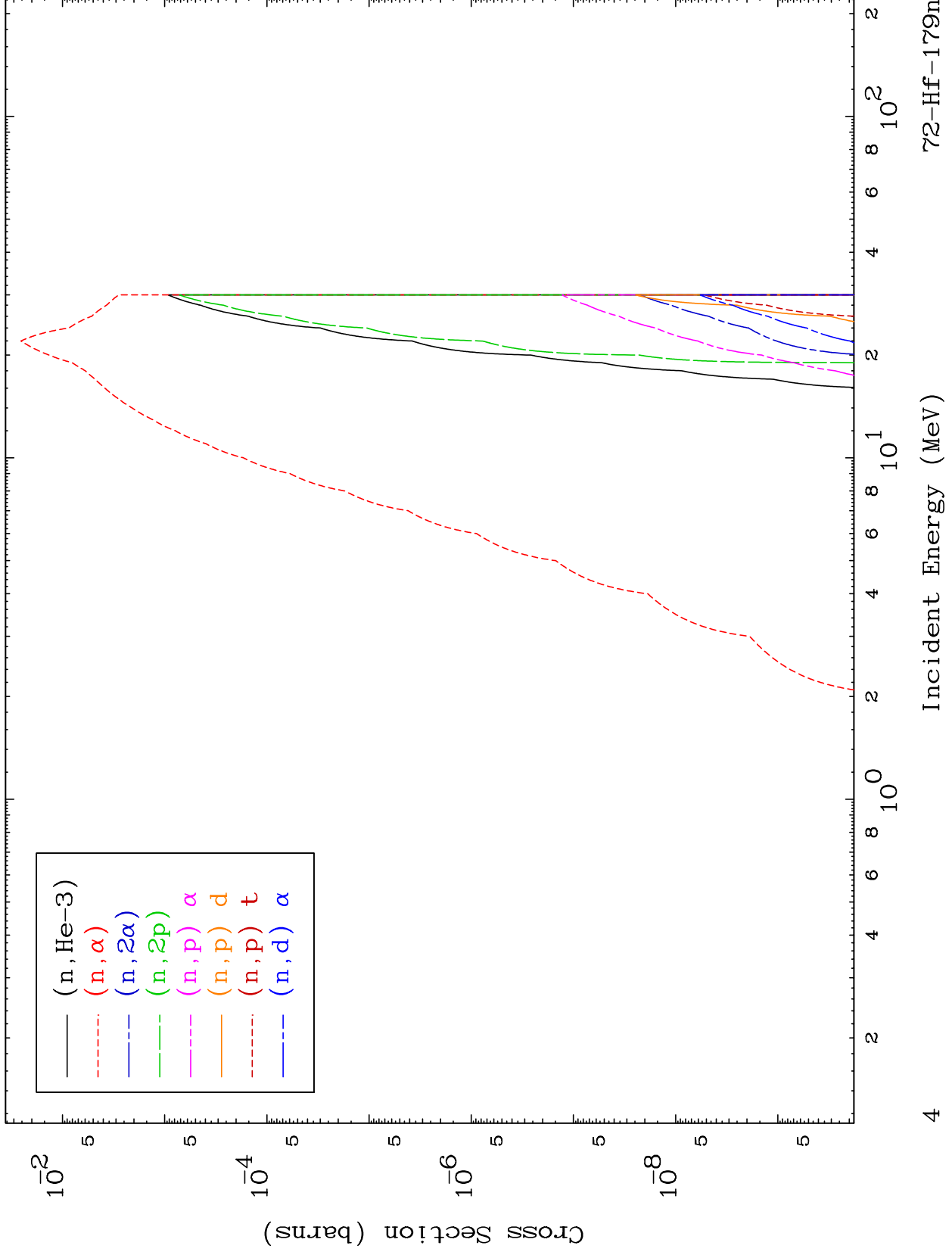
⁷²Hf-179n



MAT 7242

Proton Neutron Absorption
0 Kelvin Cross Sections

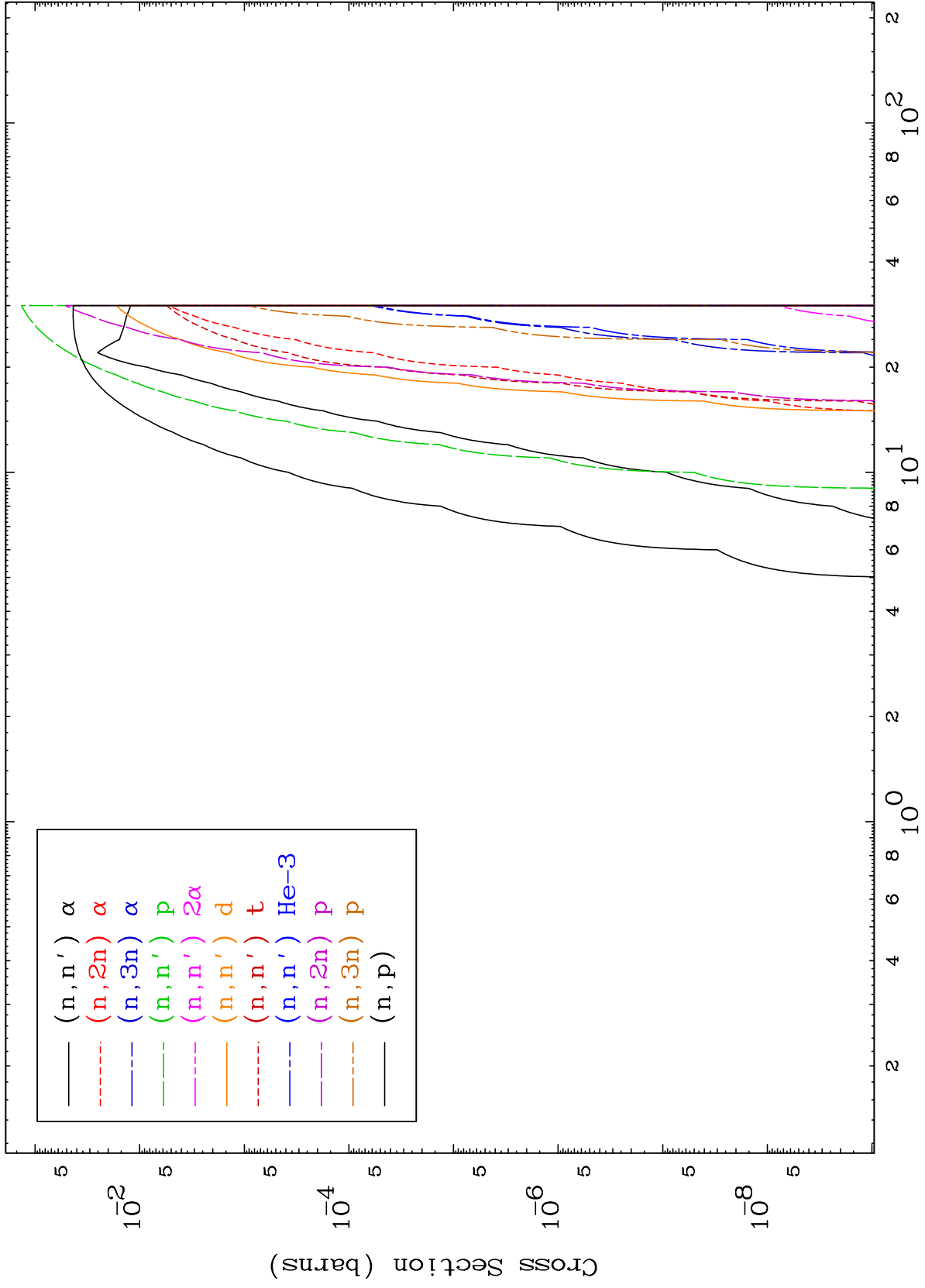
⁷²Hf-179n



MAT 7242

Proton Charged Particle
0 Kelvin Cross Sections

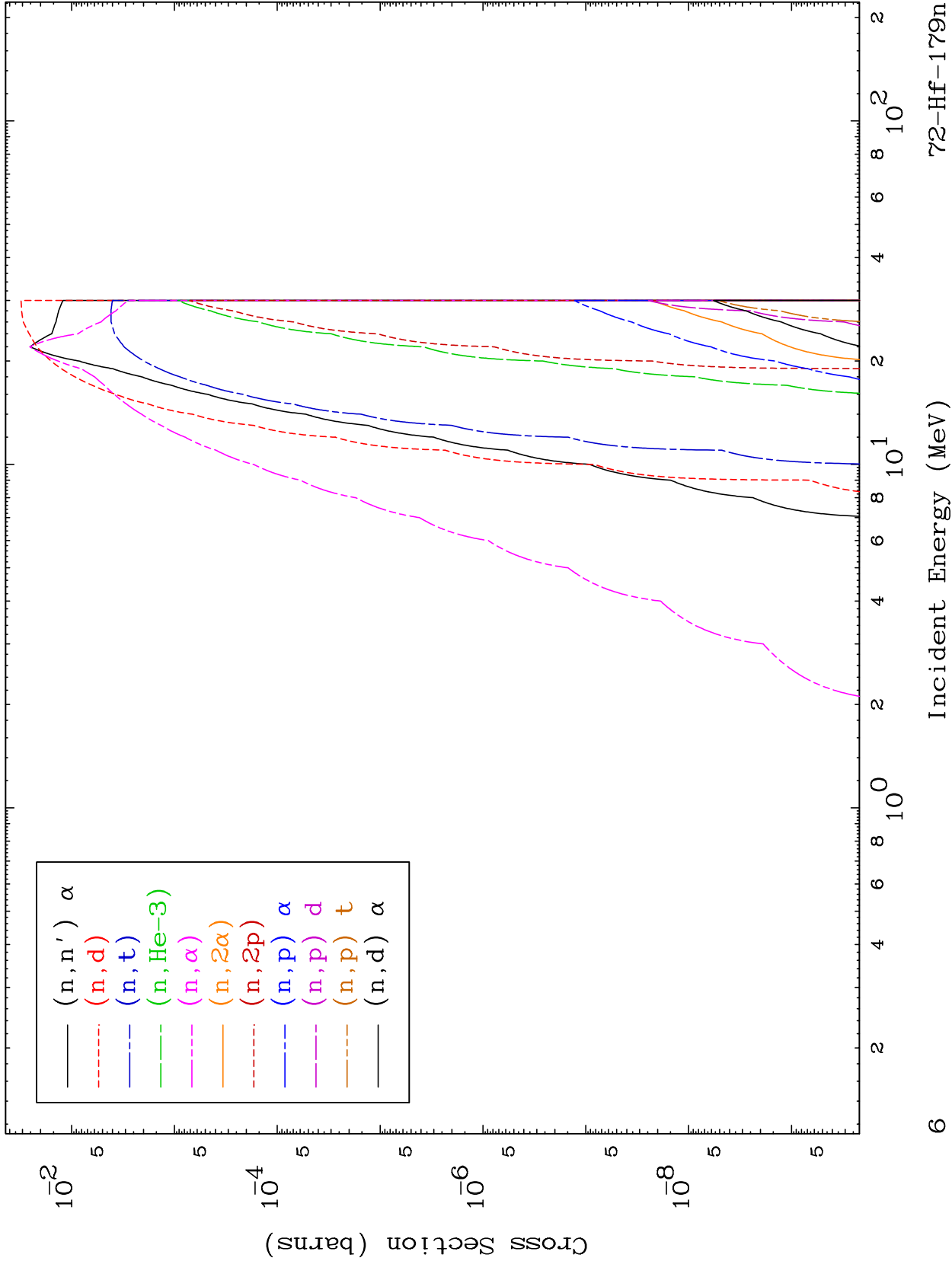
72-Hf-179n



MAT 7242

Proton Charged Particle
0 Kelvin Cross Sections

⁷²Hf-179n

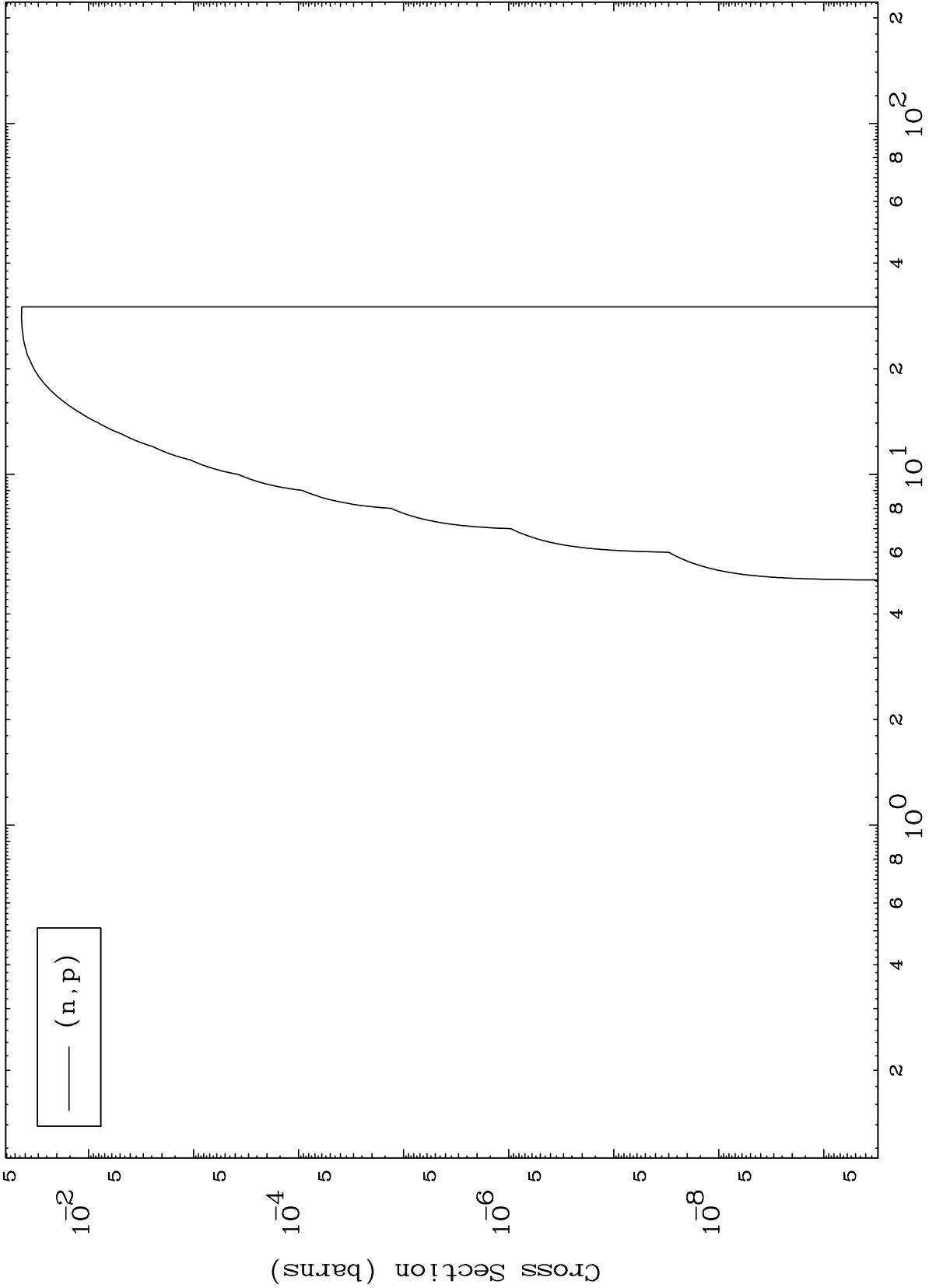


MAT 7242

(p,p) Levels

⁷²Hf-179n

0 Kelvin Cross Sections

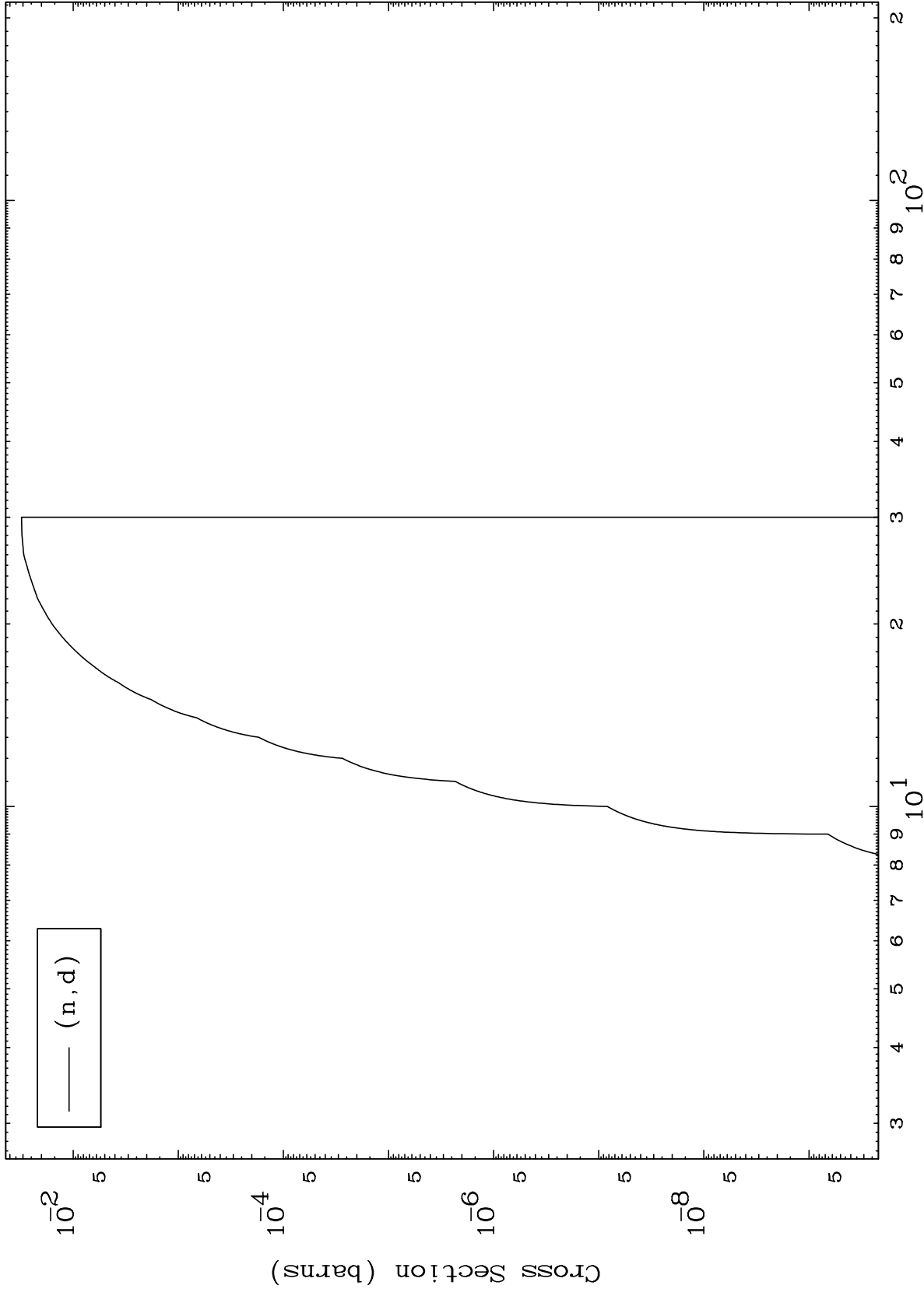


MAT 7242

(p,d) Levels

⁷²Hf-179n

0 Kelvin Cross Sections

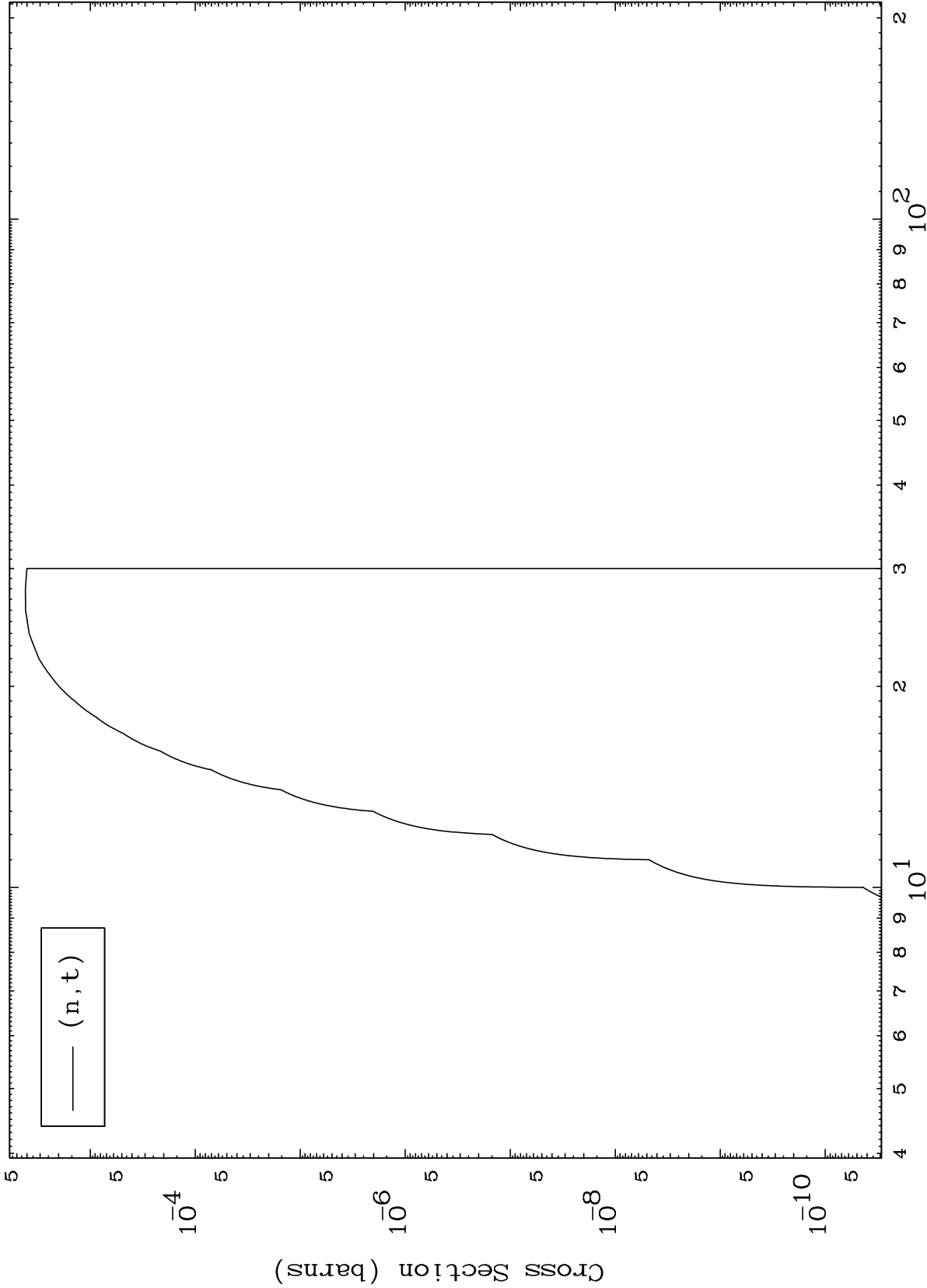


MAT 7242

(p, t) Levels

⁷²Hf-179n

0 Kelvin Cross Sections



9

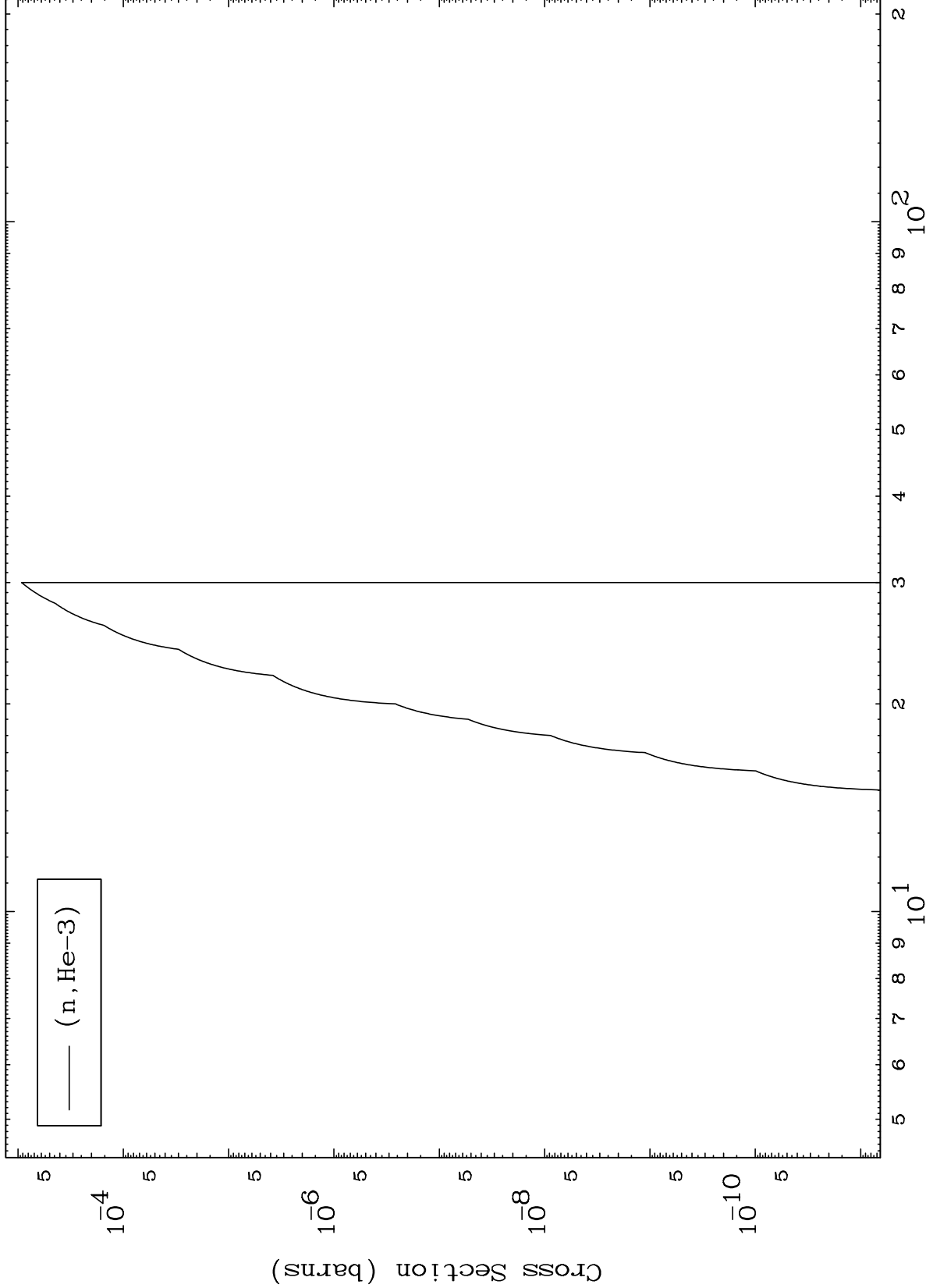
Incident Energy (MeV)

⁷²Hf-179n

MAT 7242

(p,He3) Levels
0 Kelvin Cross Sections

72-Hf-179n



10

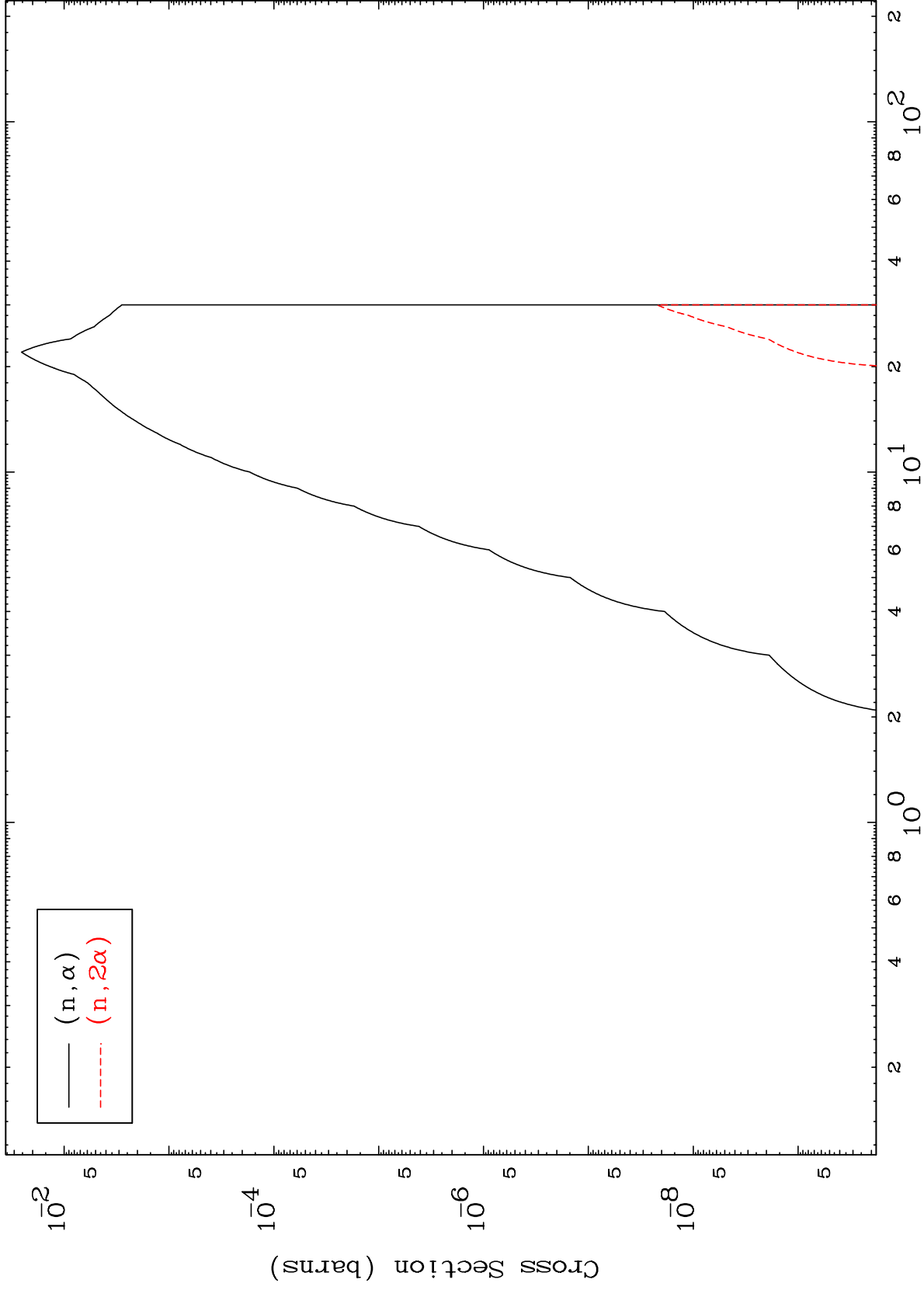
Incident Energy (MeV)

72-Hf-179n

MAT 7242

(p, α) Levels
0 Kelvin Cross Sections

⁷²Hf-179n

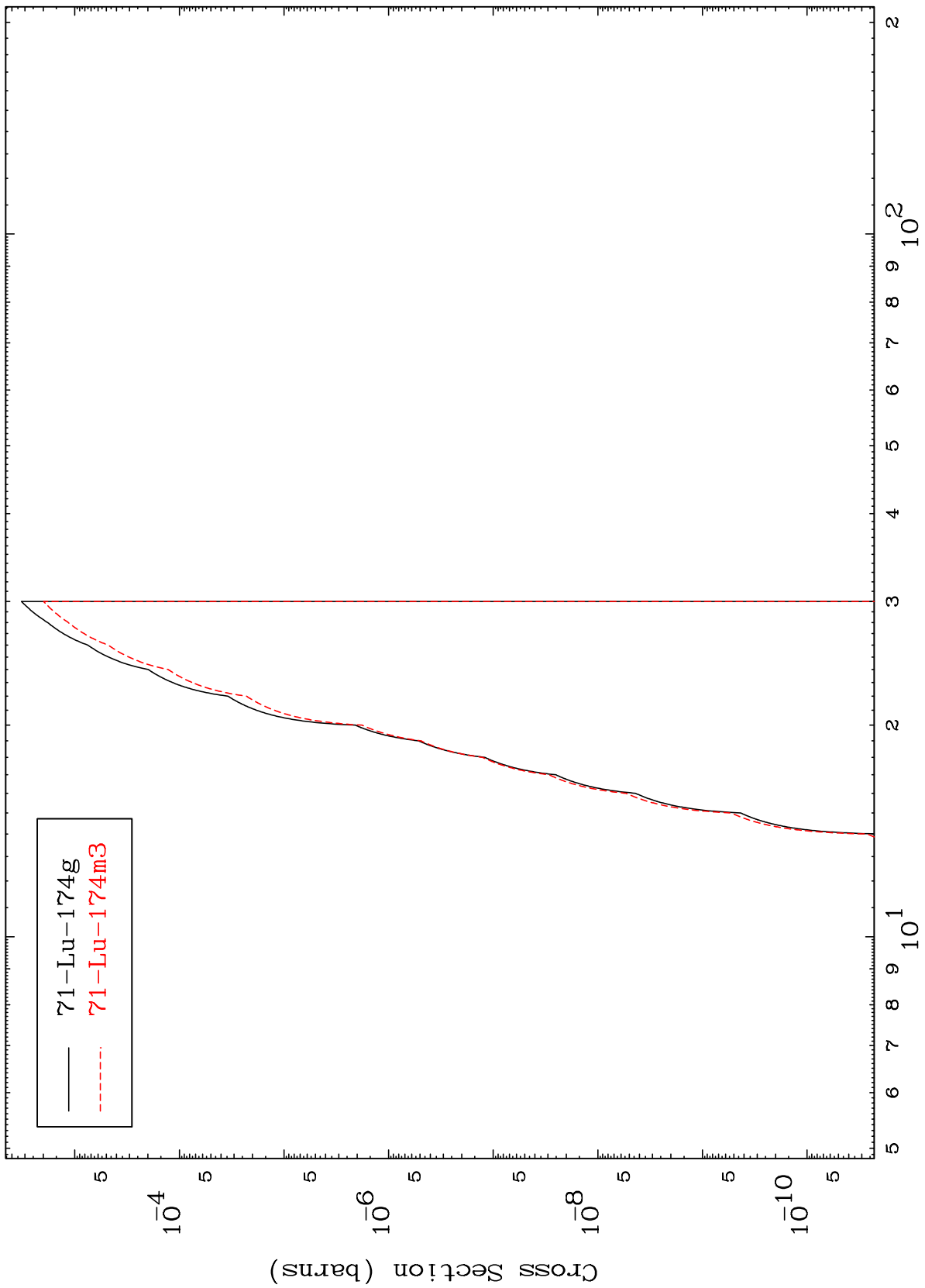


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$(n, 2n)$ α

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

Radionuclide Production Cross Section



12

Incident Energy (MeV)

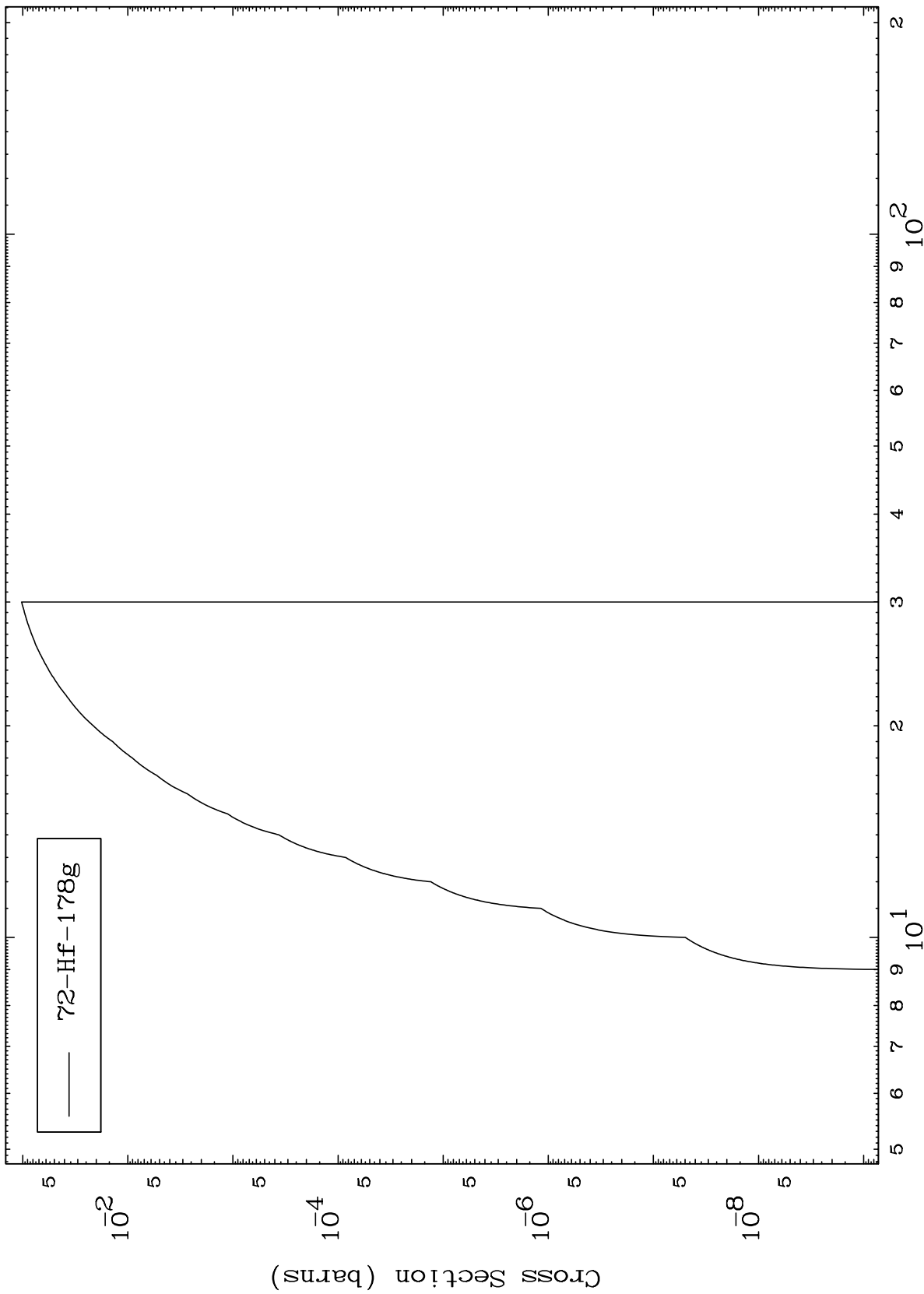
$^{72}\text{Hf}-179\text{n}$

MAT 7242

(n,n') p

⁷²Hf-179n

Radionuclide Production Cross Section



Incident Energy (MeV)

⁷²Hf-179n

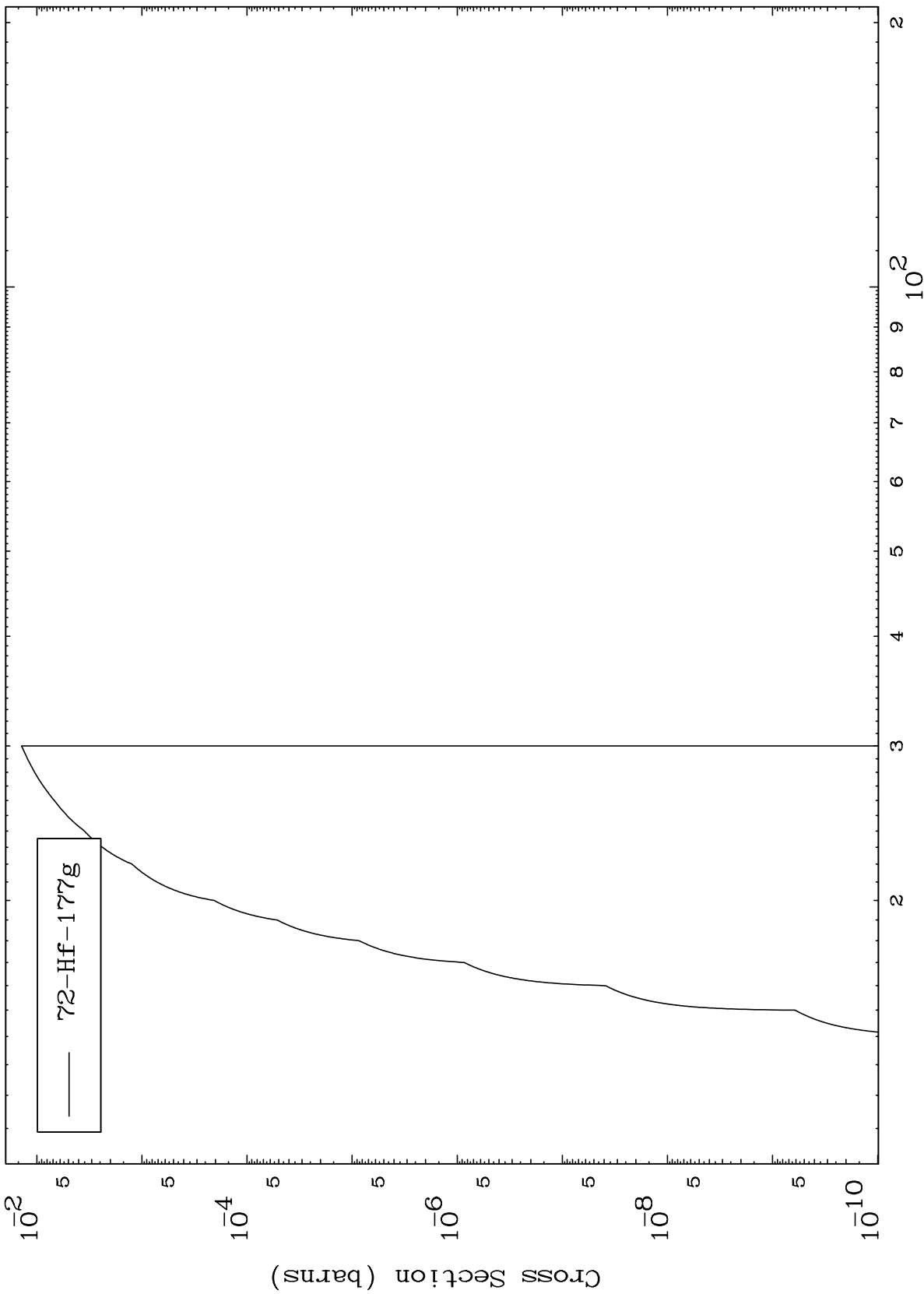
13

MAT 7242

(n,n') d

⁷²Hf-179n

Radionuclide Production Cross Section



14

Incident Energy (MeV)

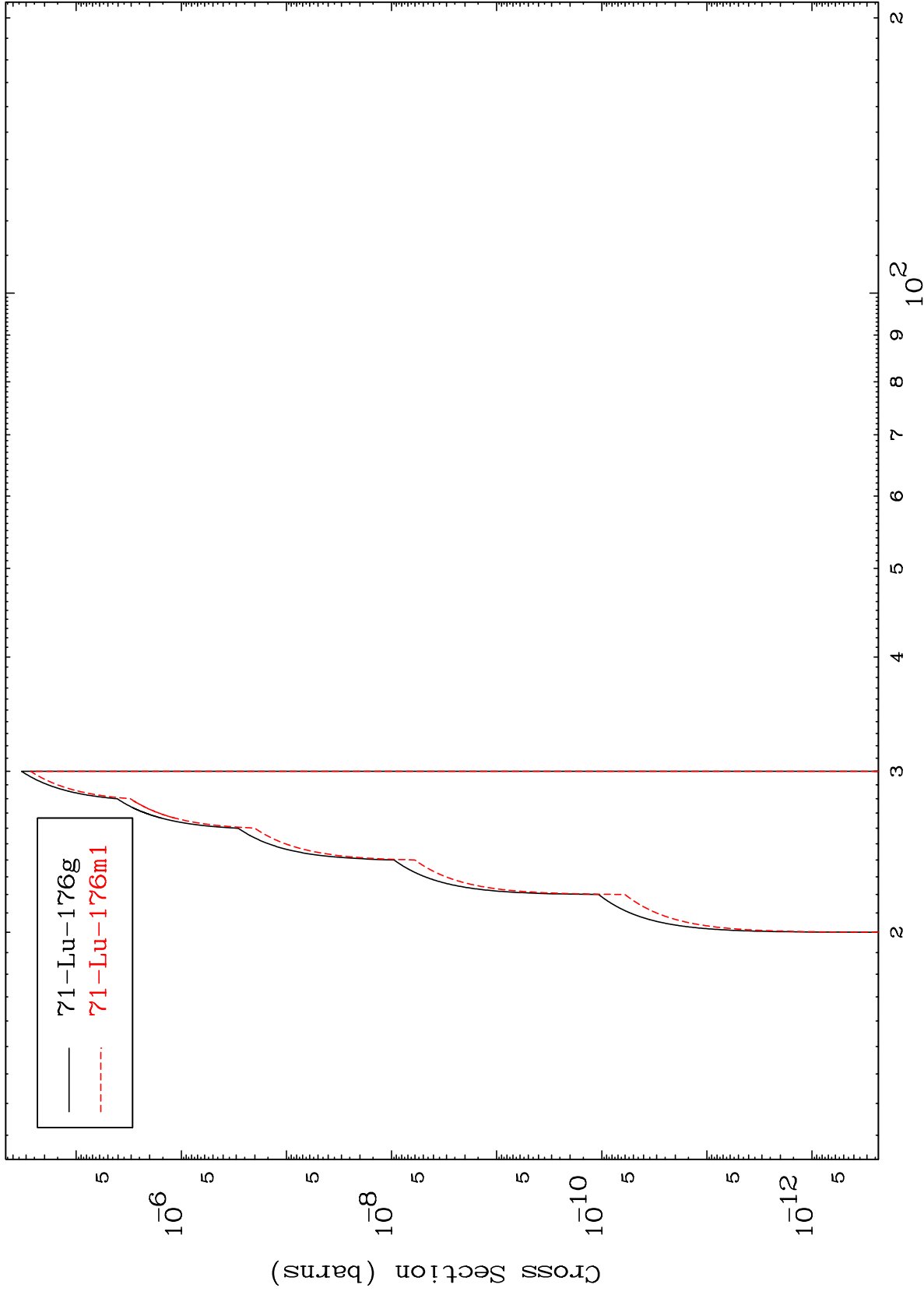
⁷²Hf-179n

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(n,n') He-3

72-Hf-179n

Radionuclide Production Cross Section

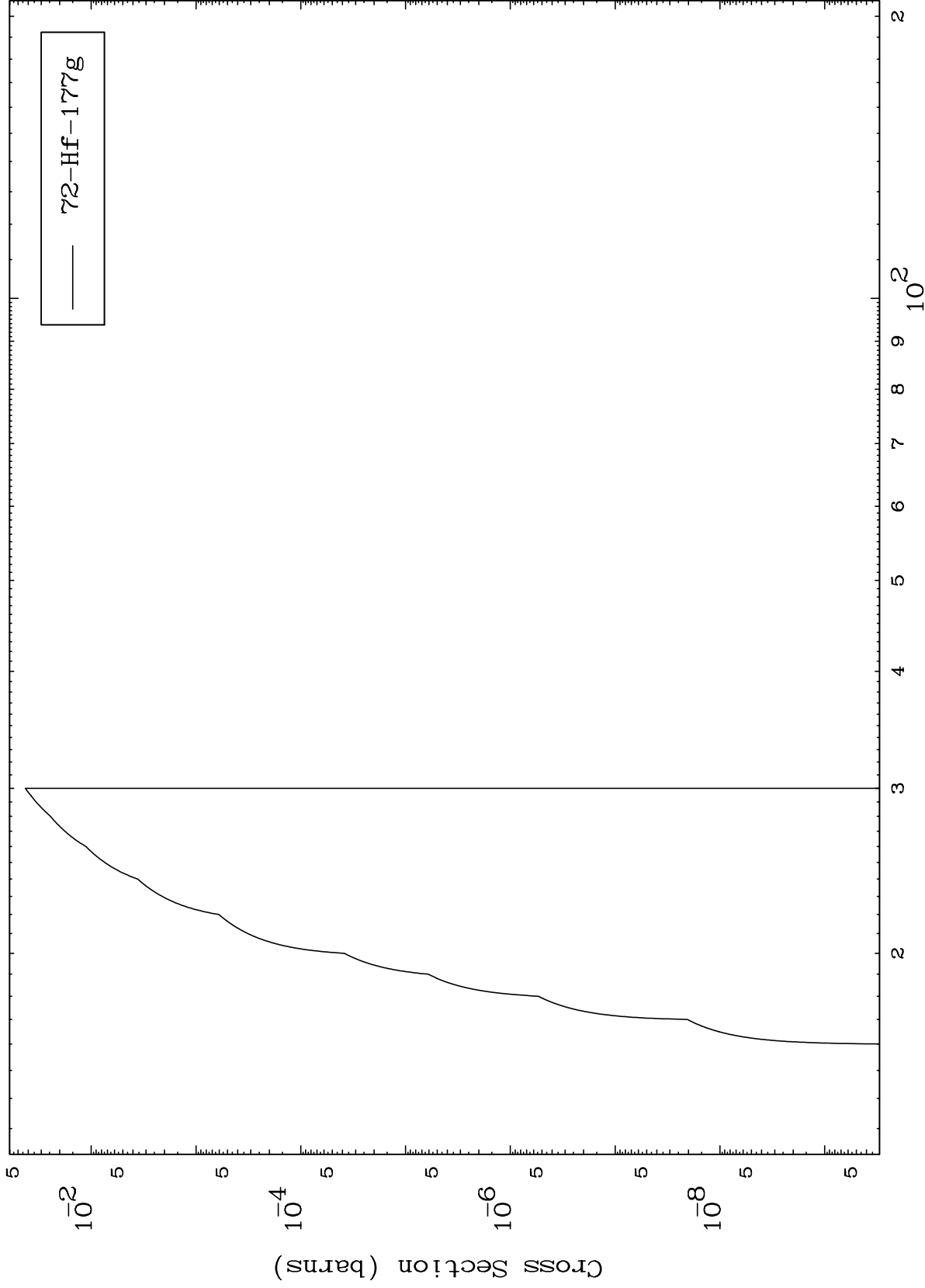


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⁷²Hf-179n

(n,2n) p

Radionuclide Production Cross Section



Incident Energy (MeV)

⁷²Hf-179n

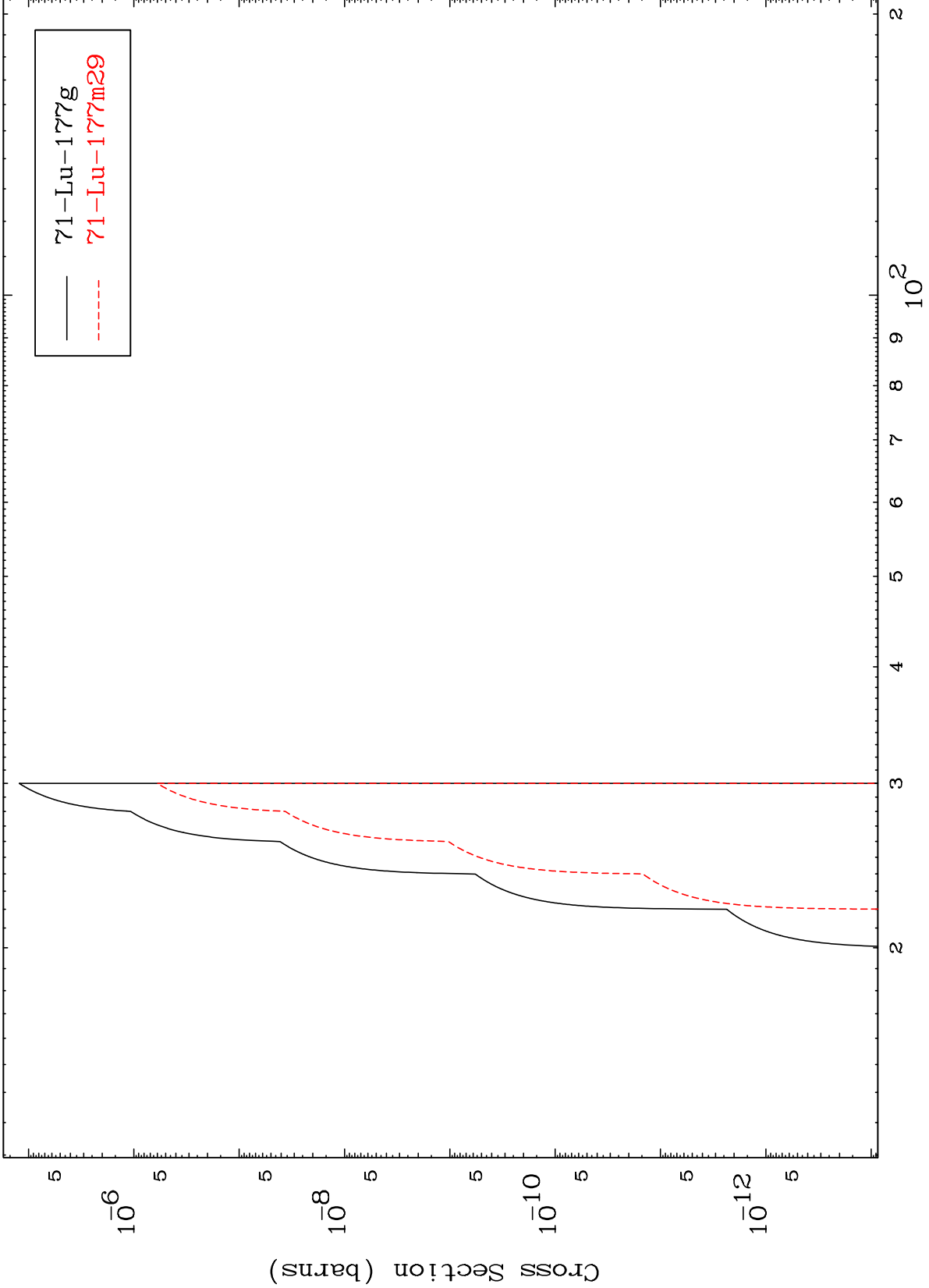
16

MAT 7242

(n,2n) p

⁷²Hf-¹⁷⁹n

Radionuclide Production Cross Section



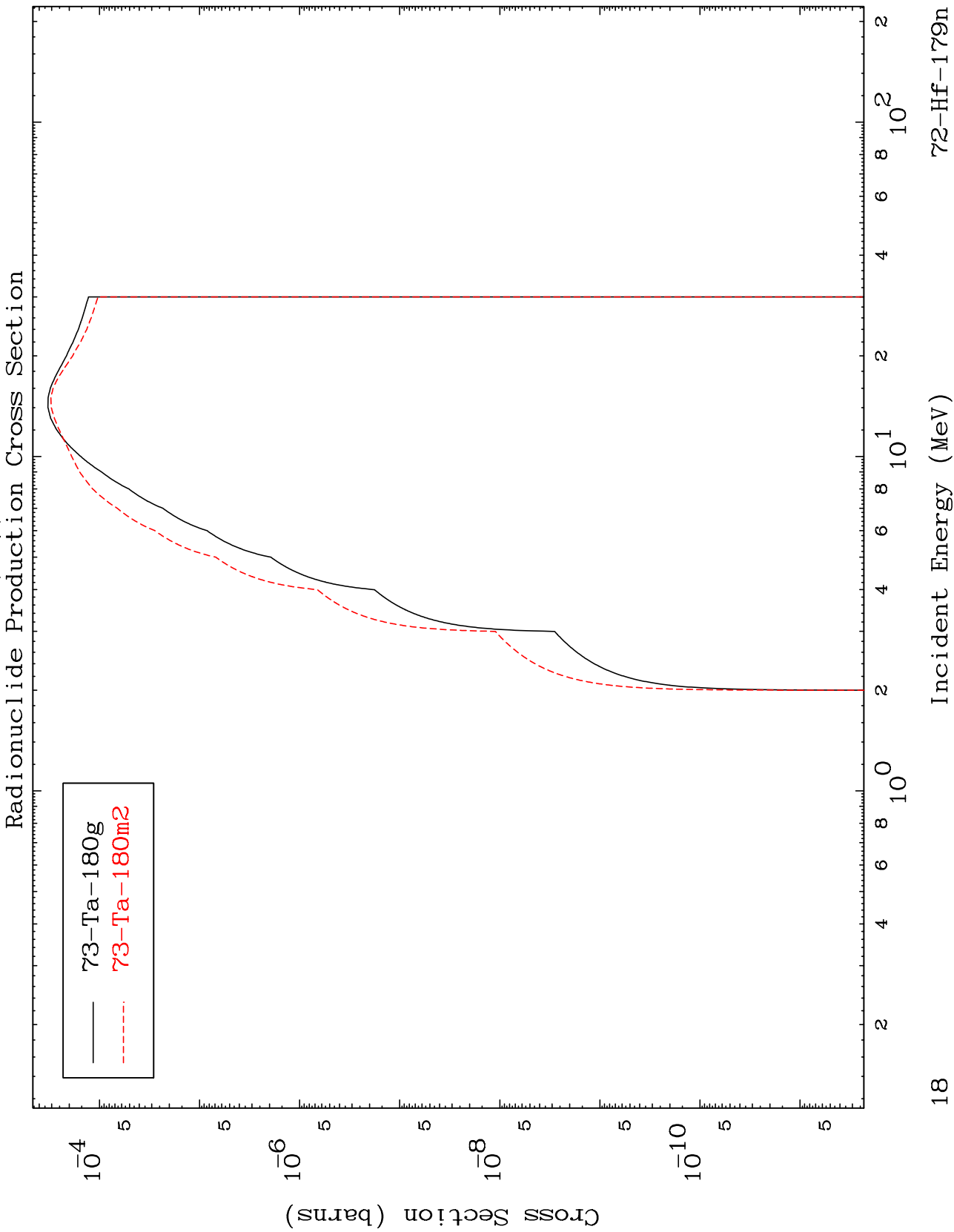
17

Incident Energy (MeV)

⁷²Hf-¹⁷⁹n

MAT 7242

⁷²Hf-179n

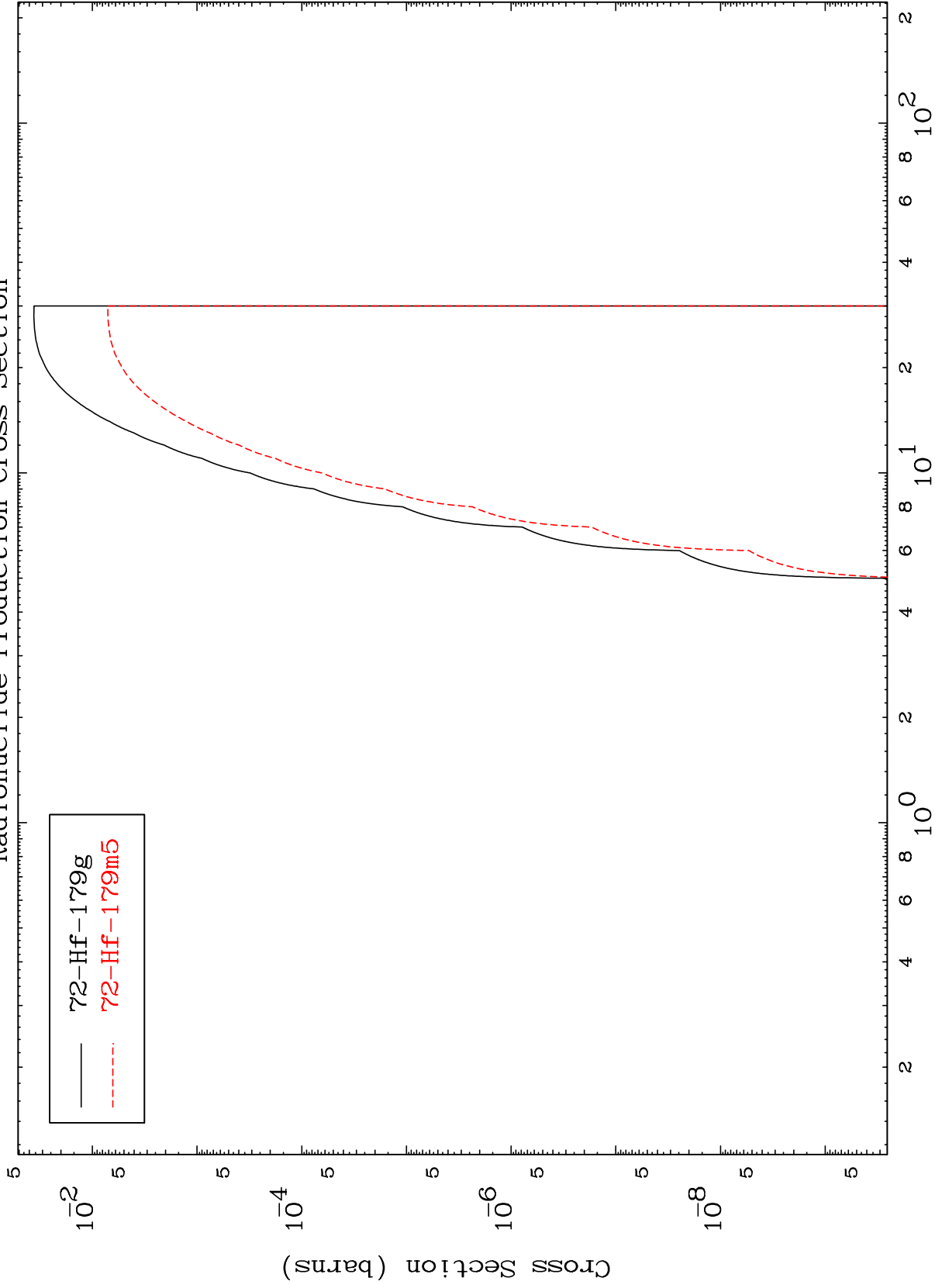


— ⁷³Ta-180g
- - - ⁷³Ta-180m2

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⁷²Hf-179n

Radionuclide Production Cross Section (n,p)

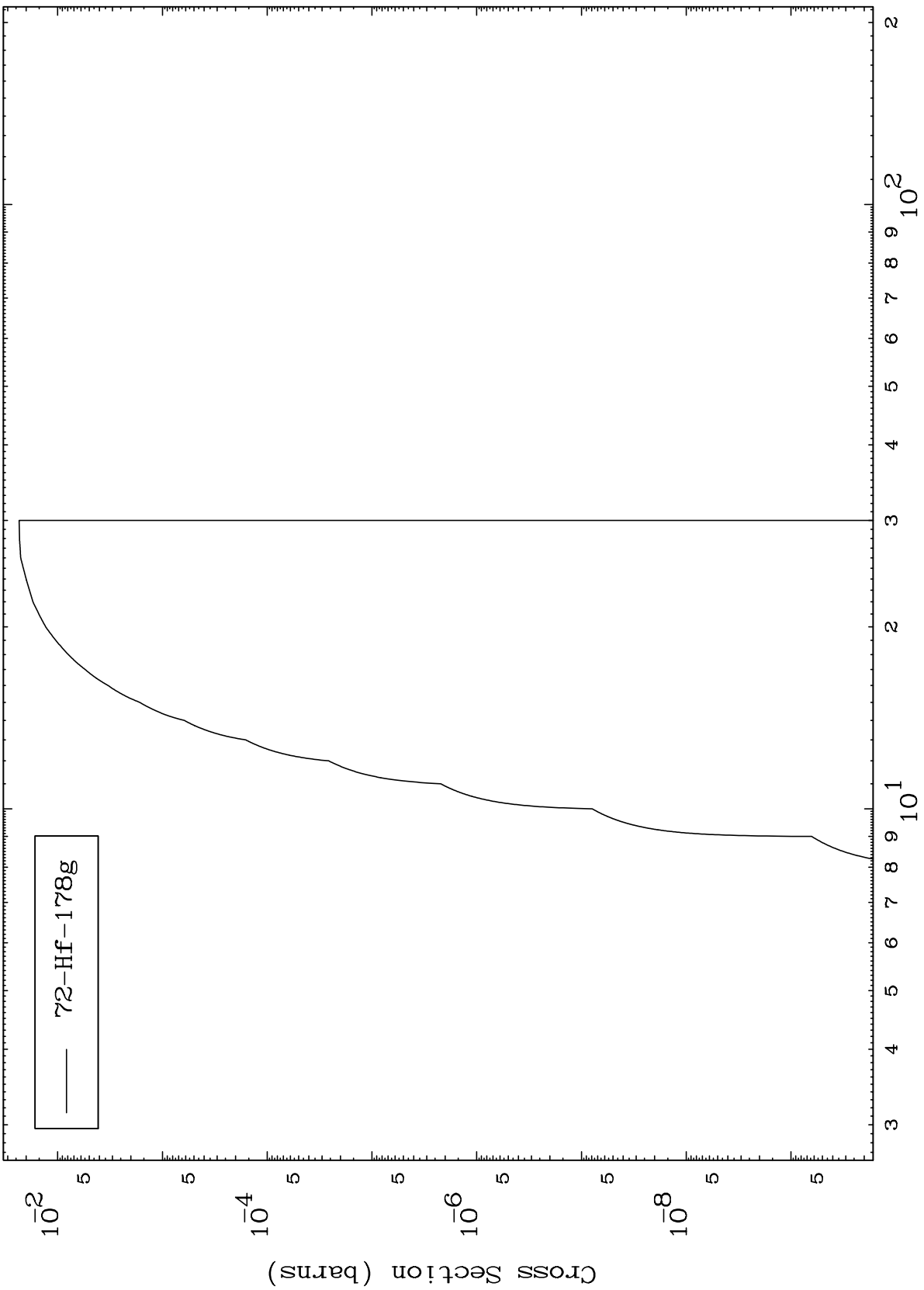


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(n,d)

⁷²Hf-179n

Radionuclide Production Cross Section



20

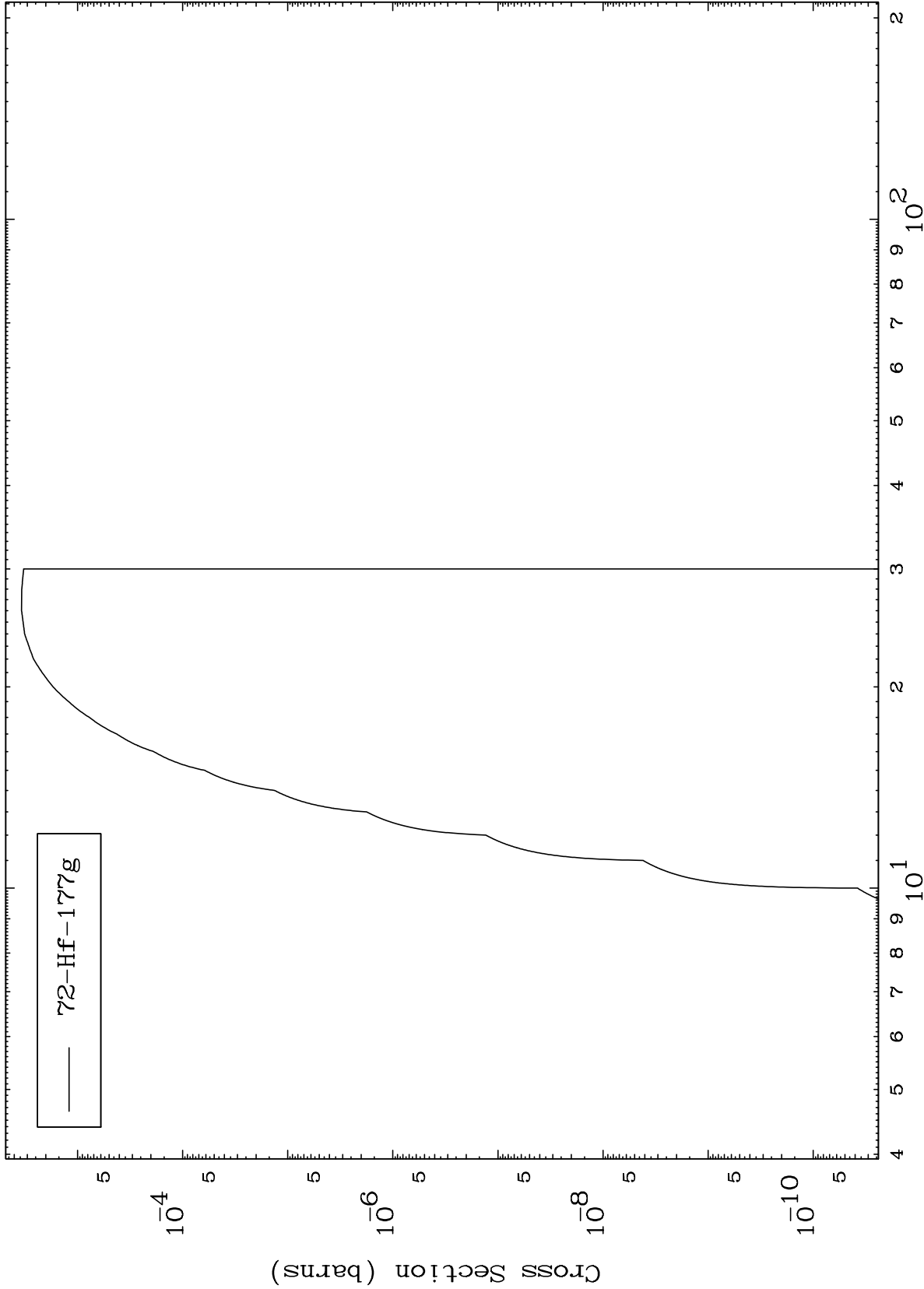
Incident Energy (MeV)

⁷²Hf-179n

MAT 7242

⁷²Hf-179n

Radionuclide Production Cross Section

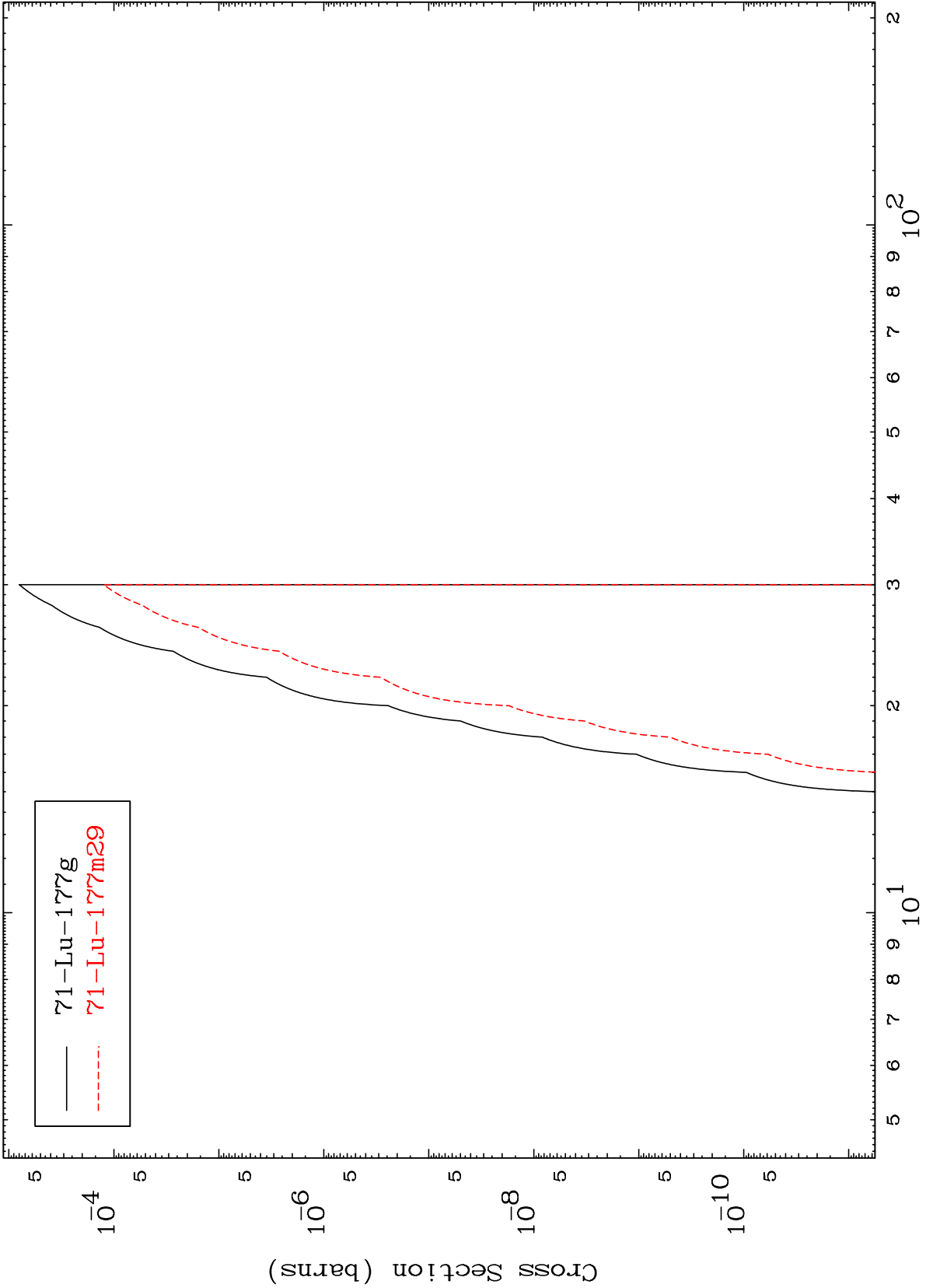


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(n,He-3)

⁷²Hf-179n

Radionuclide Production Cross Section



— 71-Lu-177g
- - - 71-Lu-177m29

22

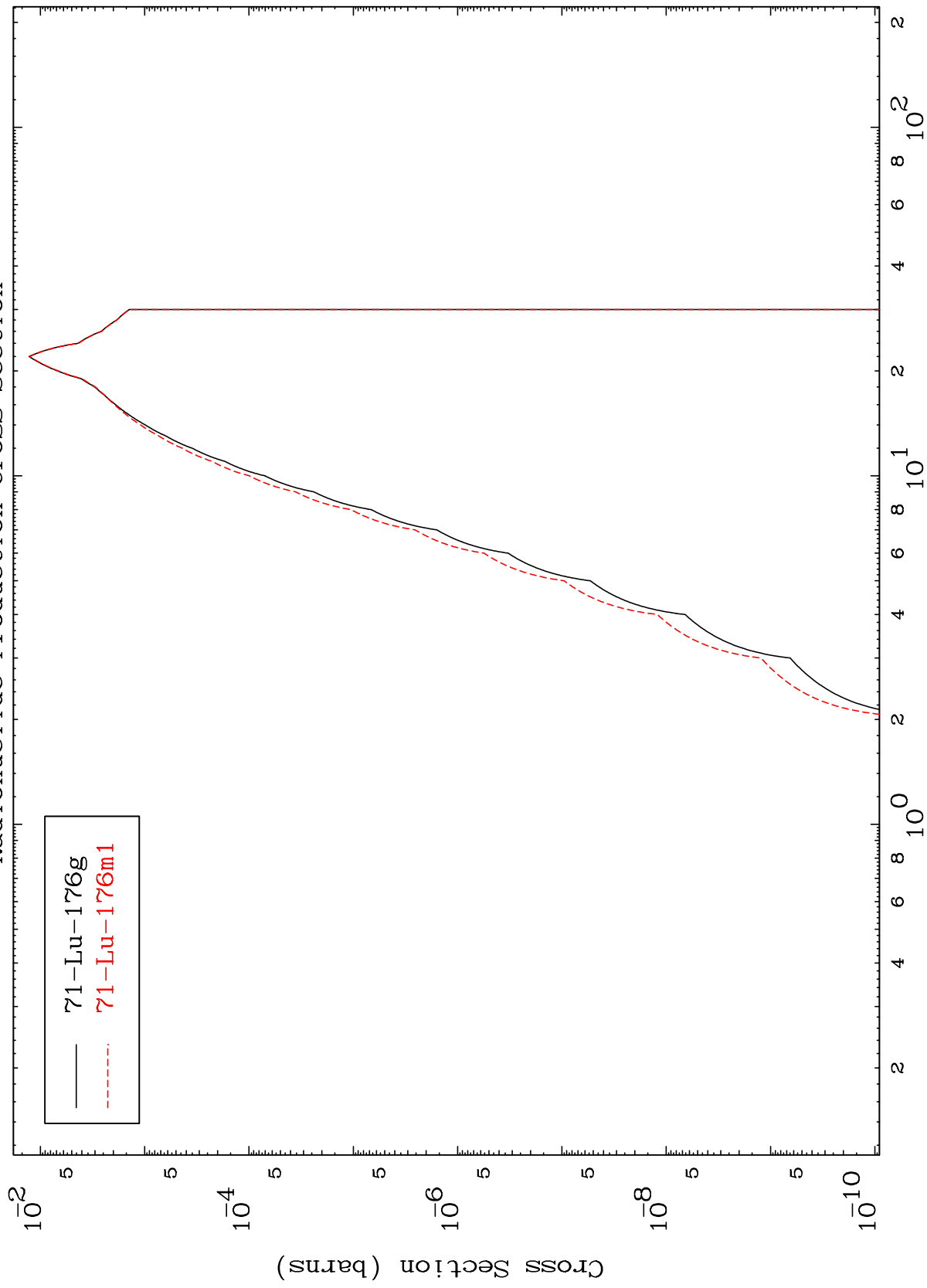
Incident Energy (MeV)

⁷²Hf-179n

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

Radionuclide Production Cross Section



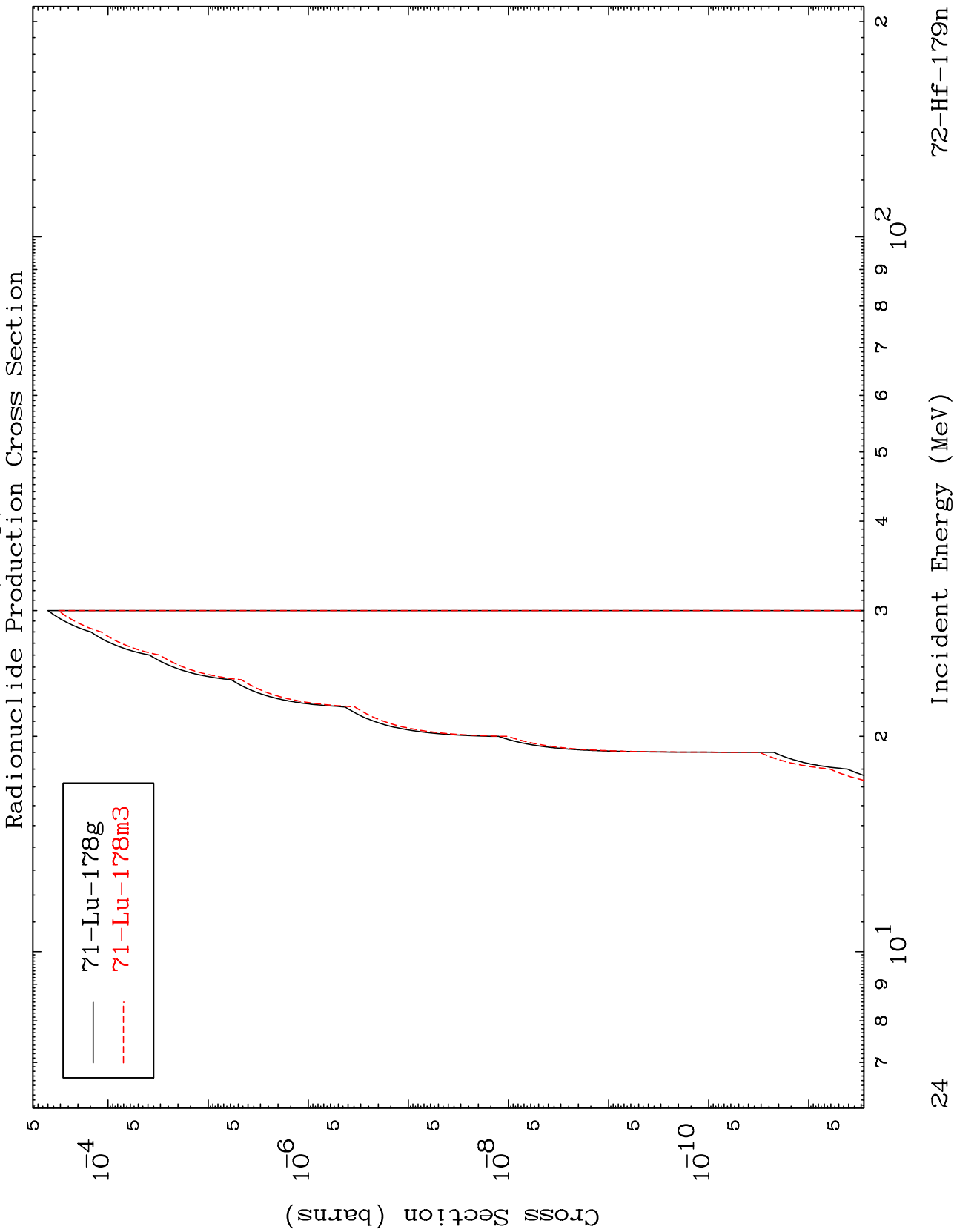
Incident Energy (MeV)

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

23

MAT 7242

⁷²Hf-179n



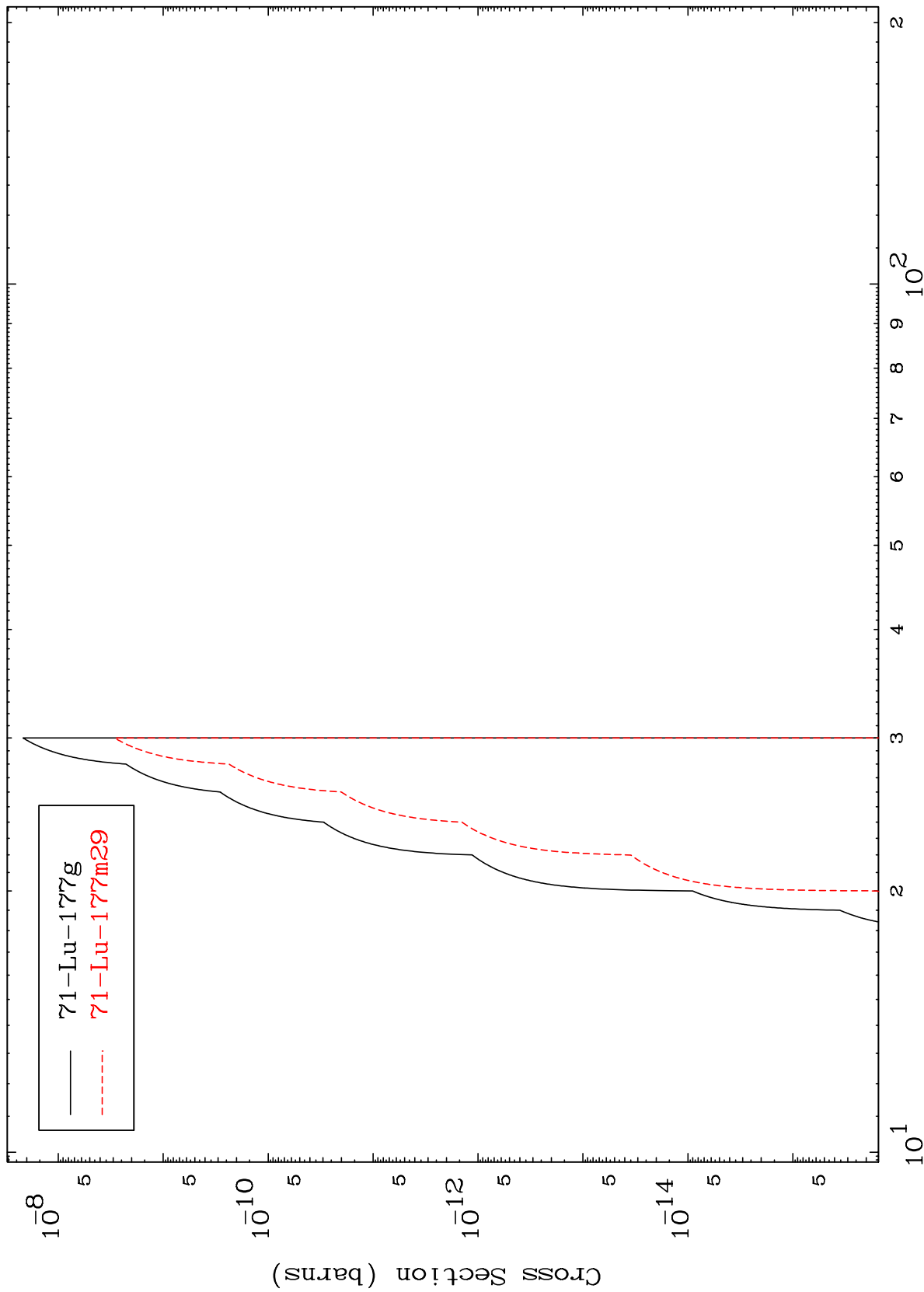
— ⁷¹Lu-178g
- - - ⁷¹Lu-178m3

MAT 7242

(n,p) d

⁷²Hf-179n

Radionuclide Production Cross Section



71-Lu-177g
71-Lu-177m29

Incident Energy (MeV)

⁷²Hf-179n

25

MAT 7242

(n,p) t

⁷²Hf-179n

Radionuclide Production Cross Section

