

Program EVALPLOT
(Version 2021-1)

by

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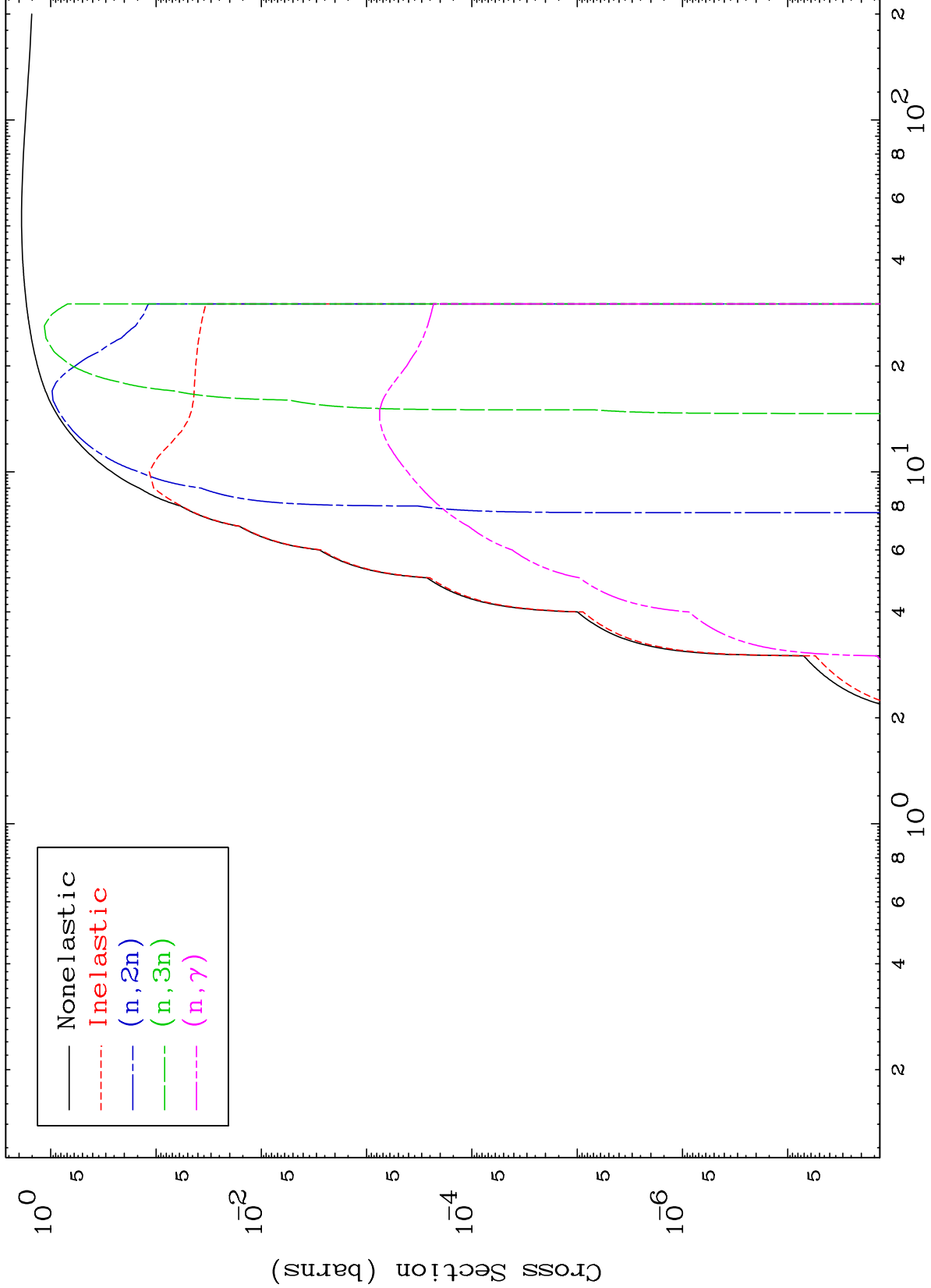
Press Mouse Button to Start

MAT 7242

Proton Major

⁷²Hf-179n

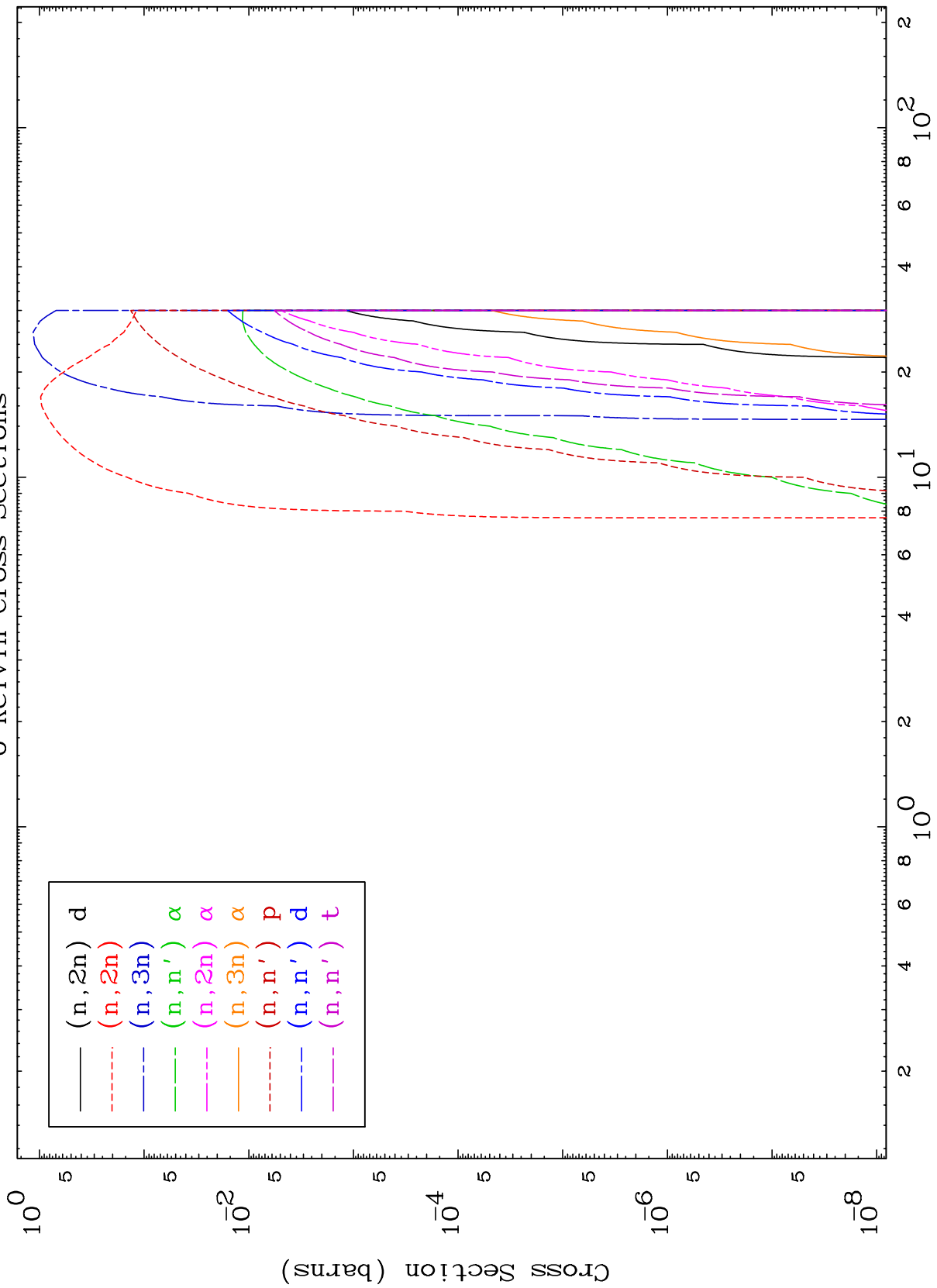
0 Kelvin Cross Sections



MAT 7242

Proton Neutron Absorption
0 Kelvin Cross Sections

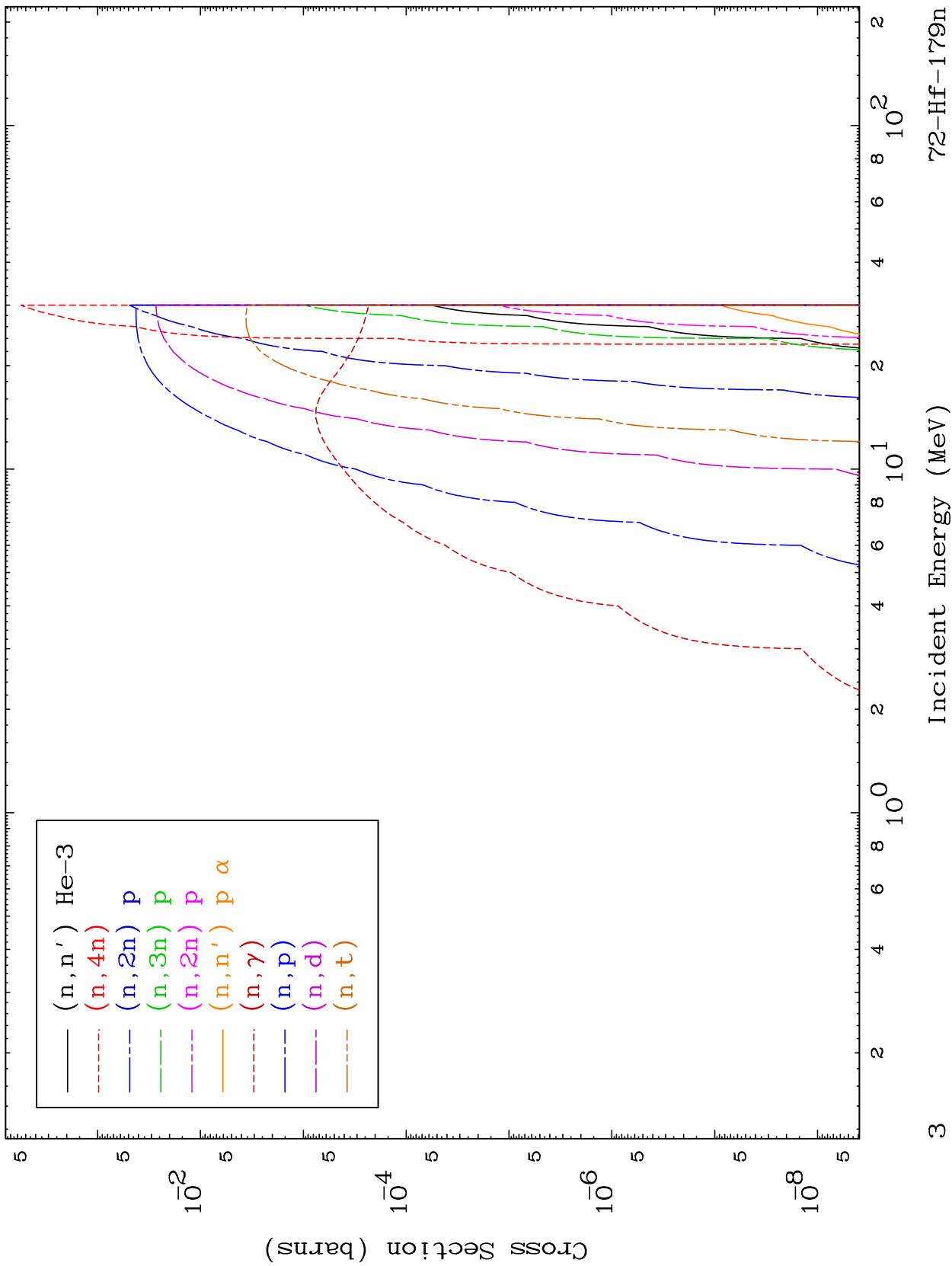
⁷²Hf-179n



MAT 7242

Proton Neutron Absorption
0 Kelvin Cross Sections

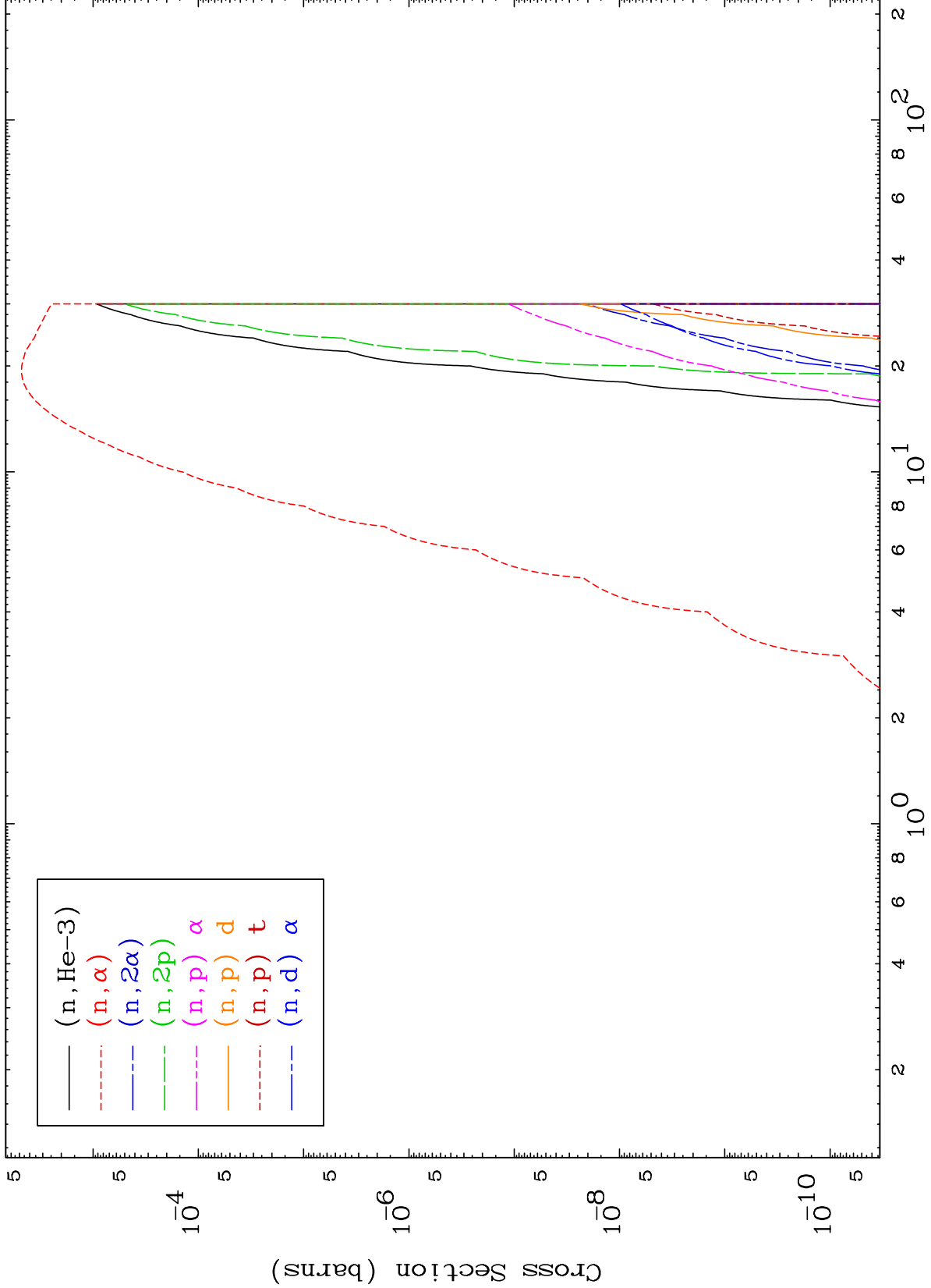
⁷²Hf-179n



MAT 7242

Proton Neutron Absorption
0 Kelvin Cross Sections

⁷²Hf-179n



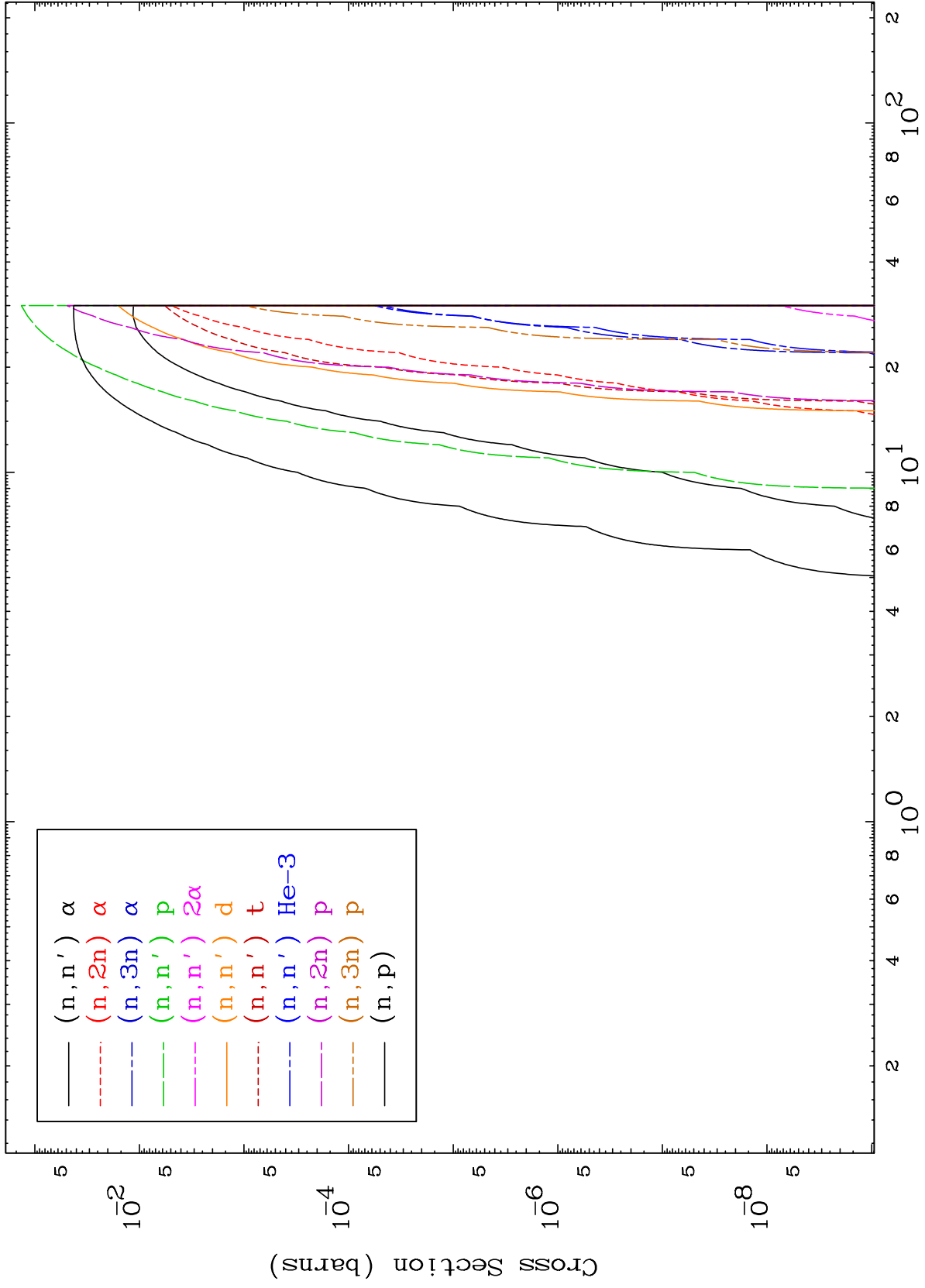
Incident Energy (MeV)

⁷²Hf-179n

MAT 7242

Proton Charged Particle
0 Kelvin Cross Sections

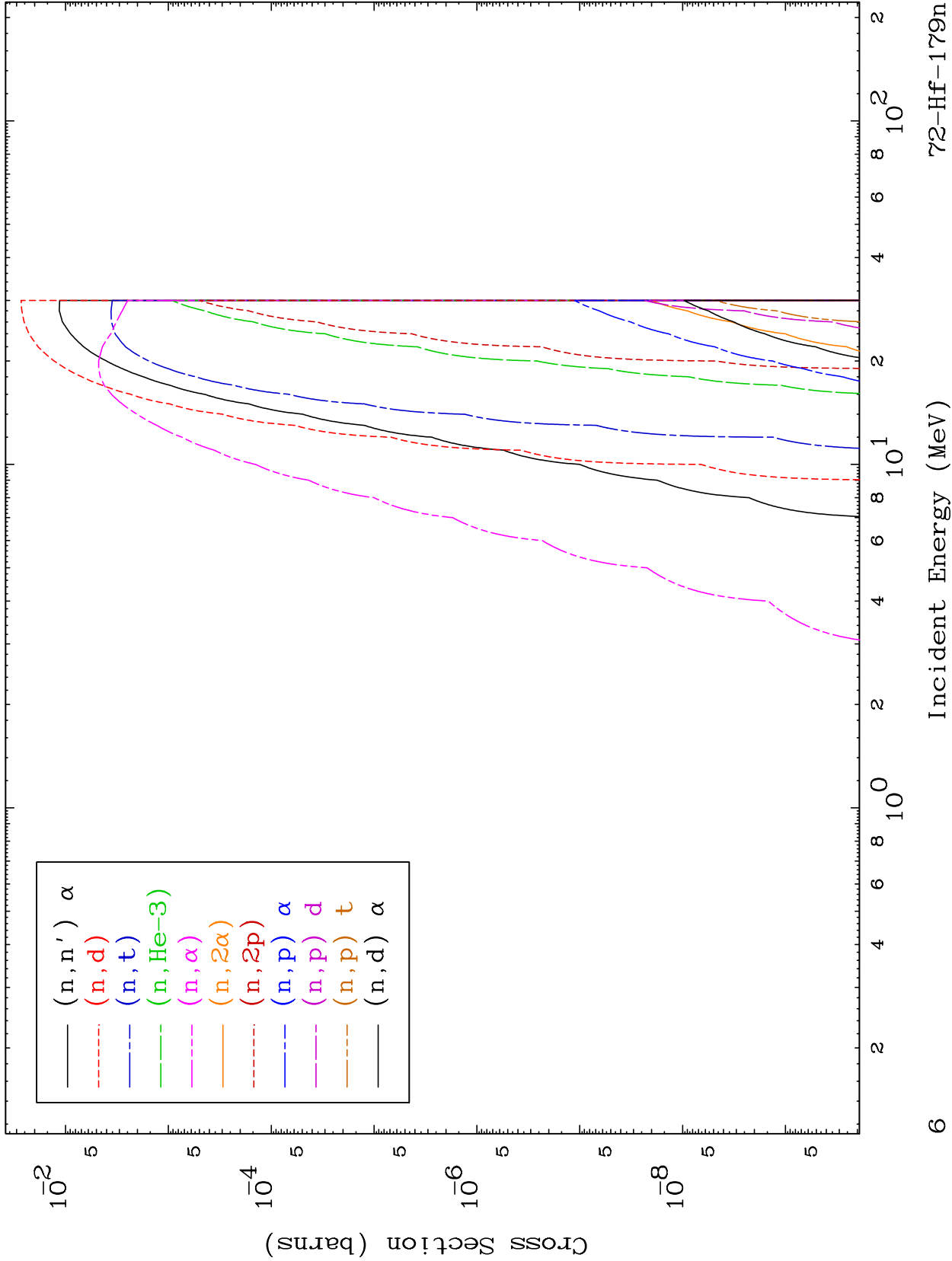
72-Hf-179n



MAT 7242

Proton Charged Particle
0 Kelvin Cross Sections

⁷²Hf-179n



⁷²Hf-179n

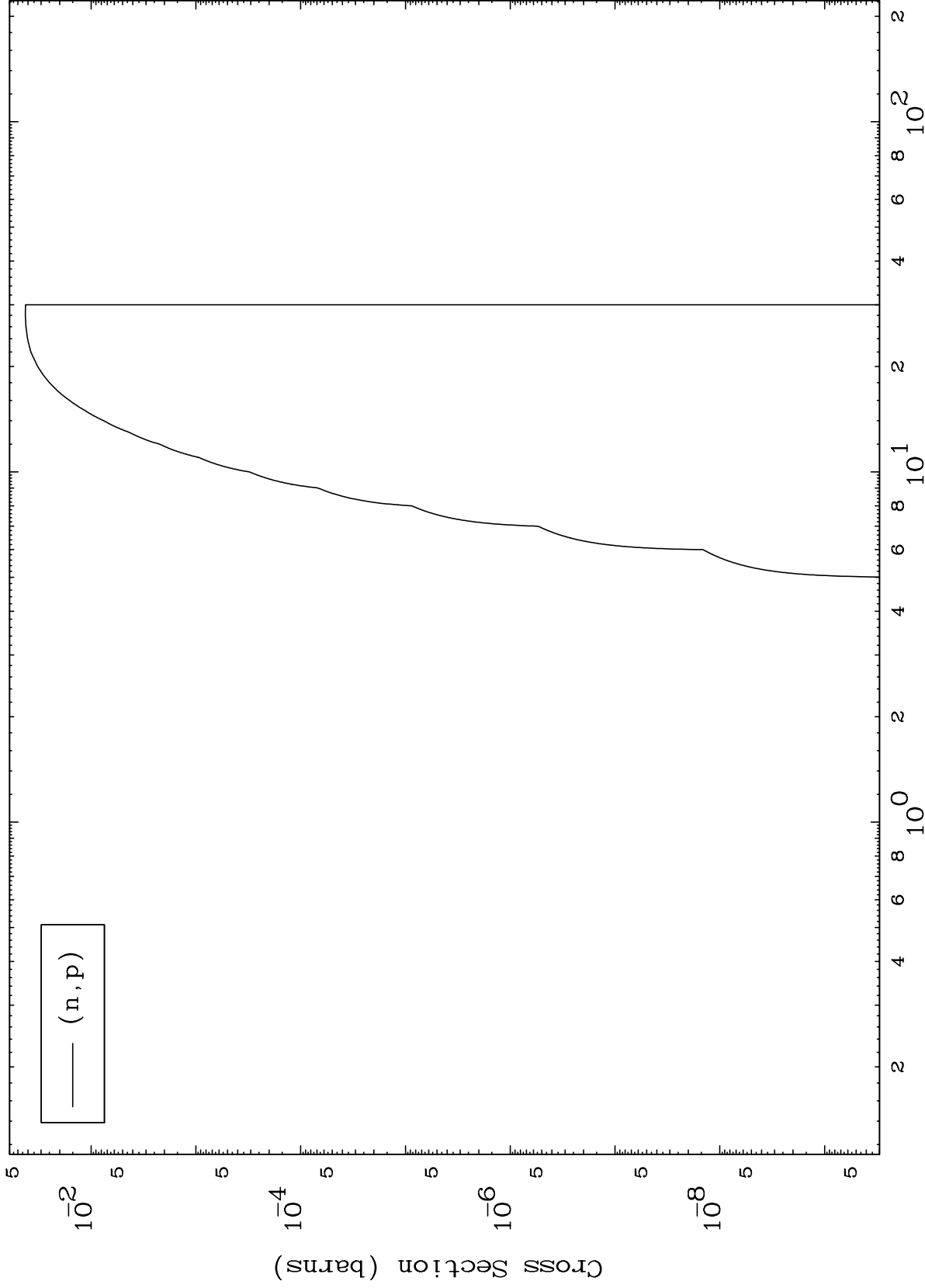
Incident Energy (MeV)

MAT 7242

(p,p) Levels

⁷²Hf-179n

0 Kelvin Cross Sections



7

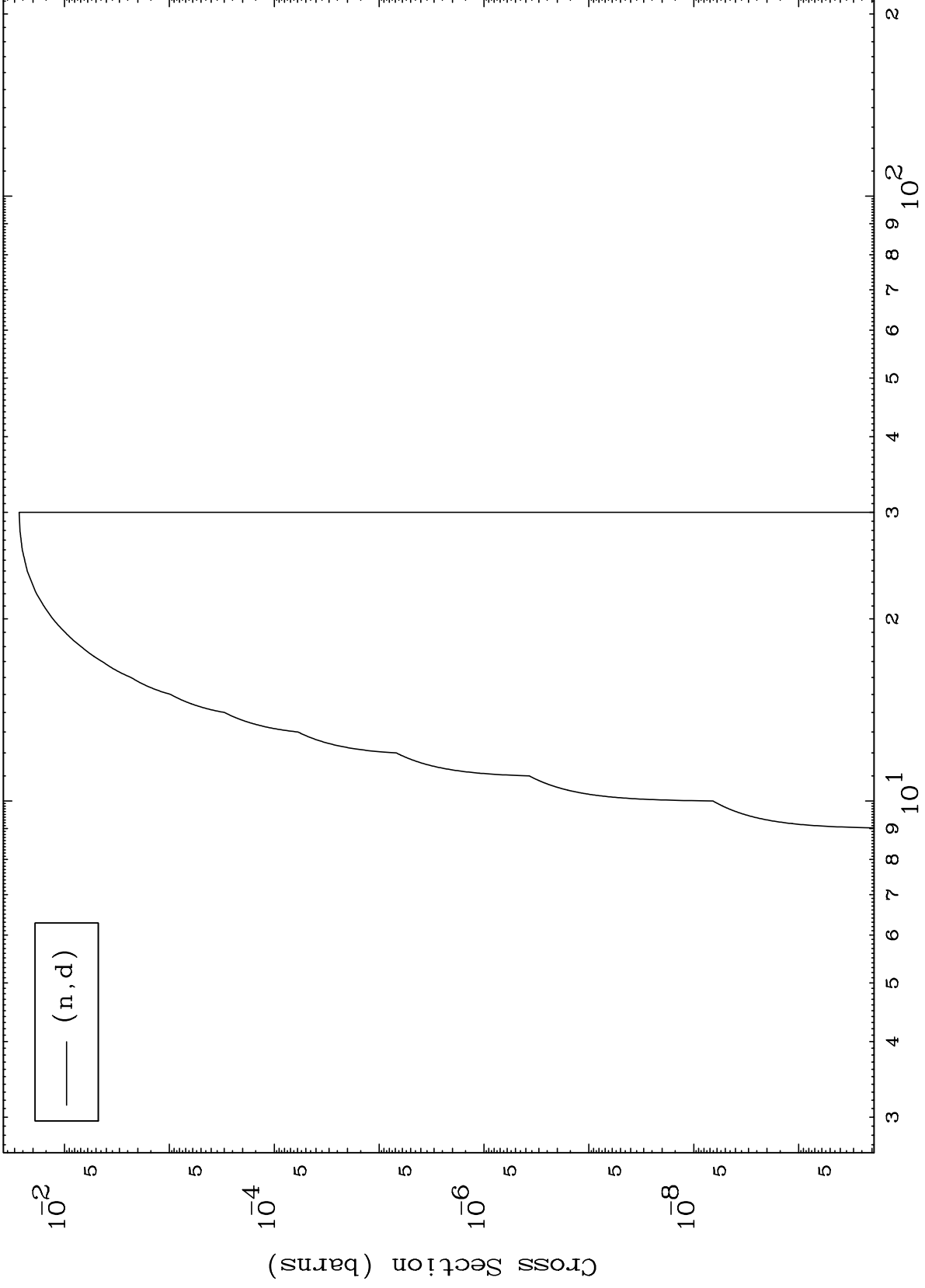
Incident Energy (MeV)

⁷²Hf-179n

MAT 7242

(p,d) Levels
0 Kelvin Cross Sections

⁷²Hf-179n



8

Incident Energy (MeV)

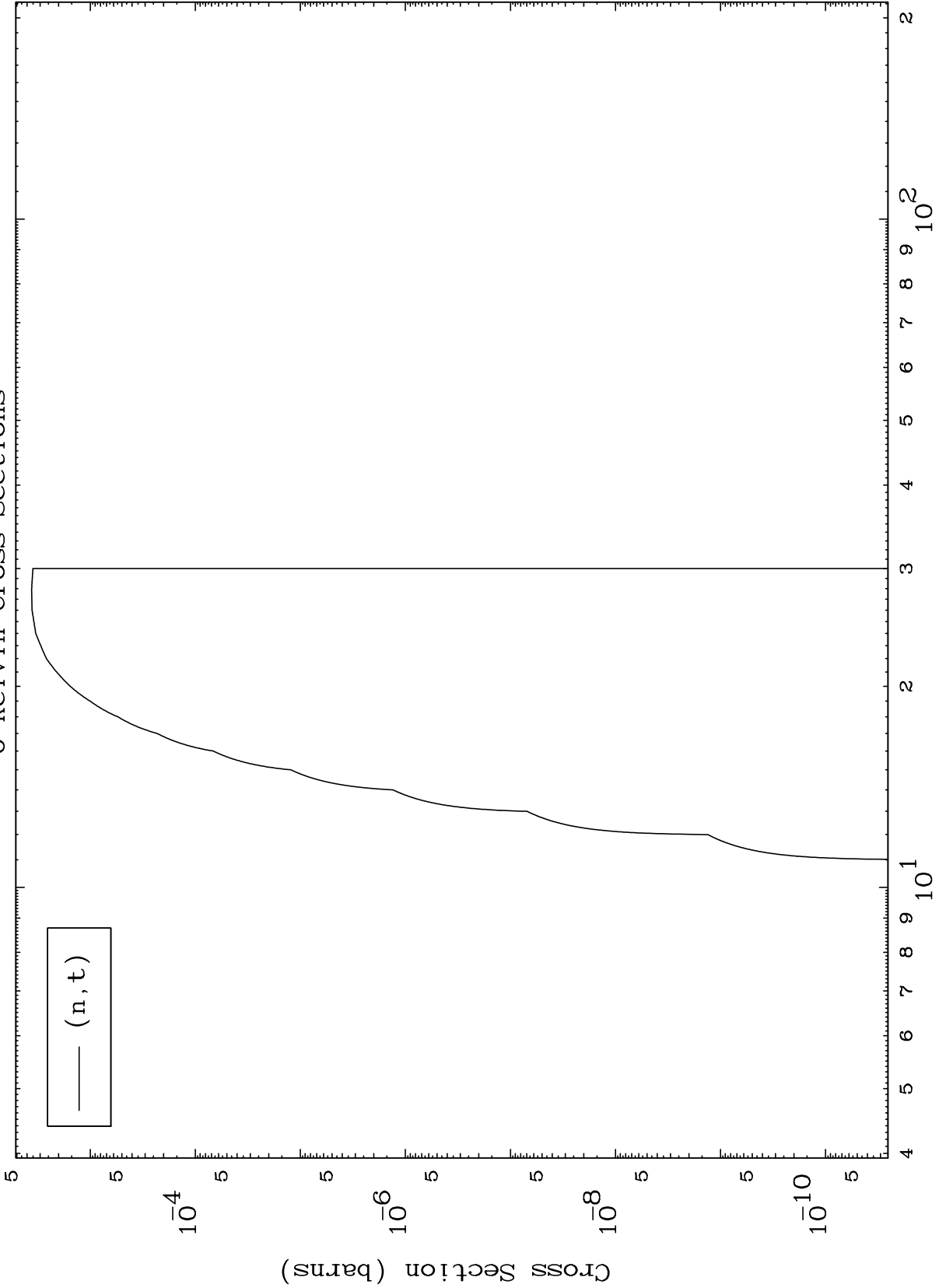
⁷²Hf-179n

MAT 7242

(p, t) Levels

⁷²Hf-179n

0 Kelvin Cross Sections



9

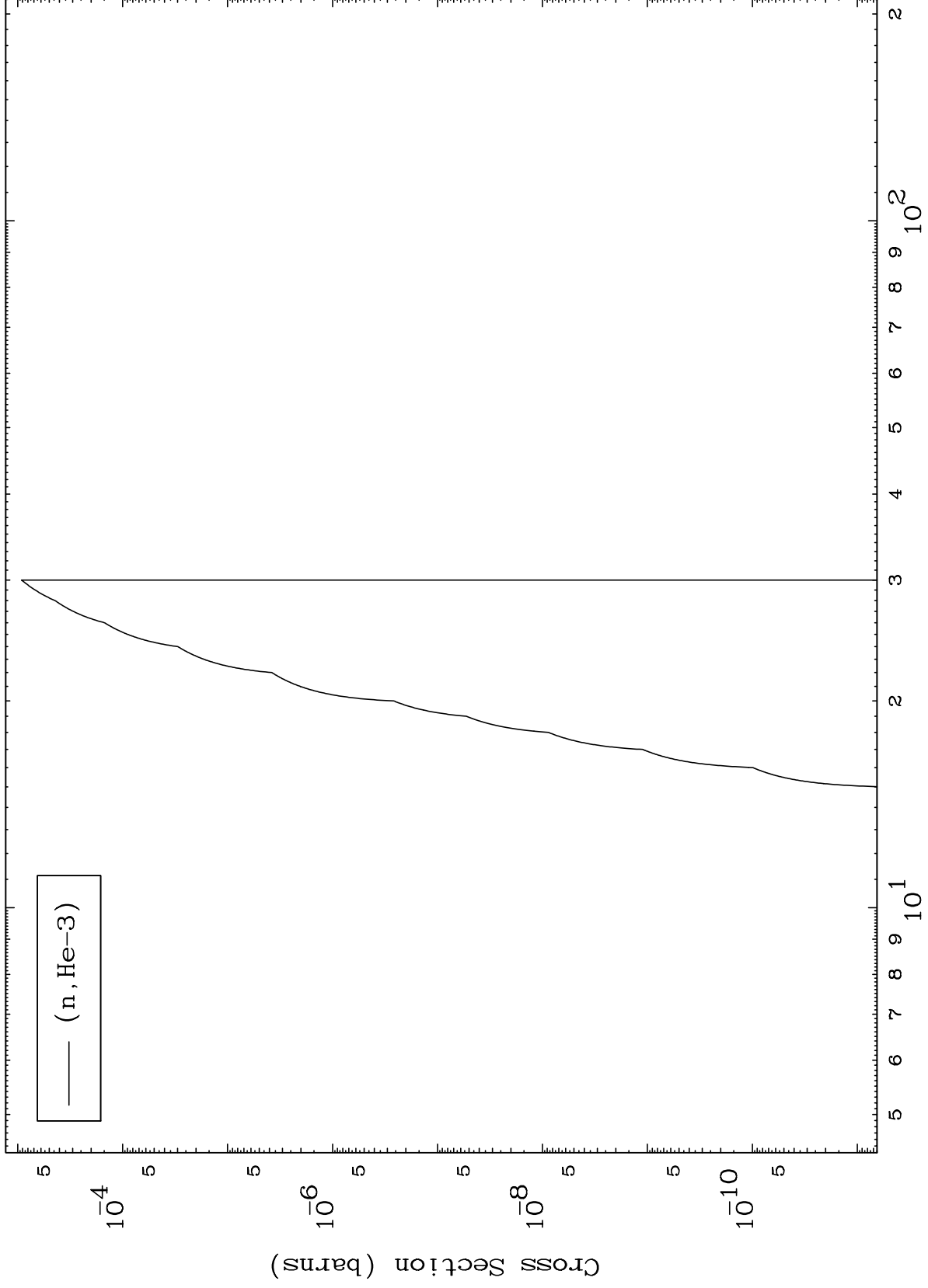
Incident Energy (MeV)

⁷²Hf-179n

MAT 7242

(p,He3) Levels
0 Kelvin Cross Sections

⁷²Hf-179n



10

Incident Energy (MeV)

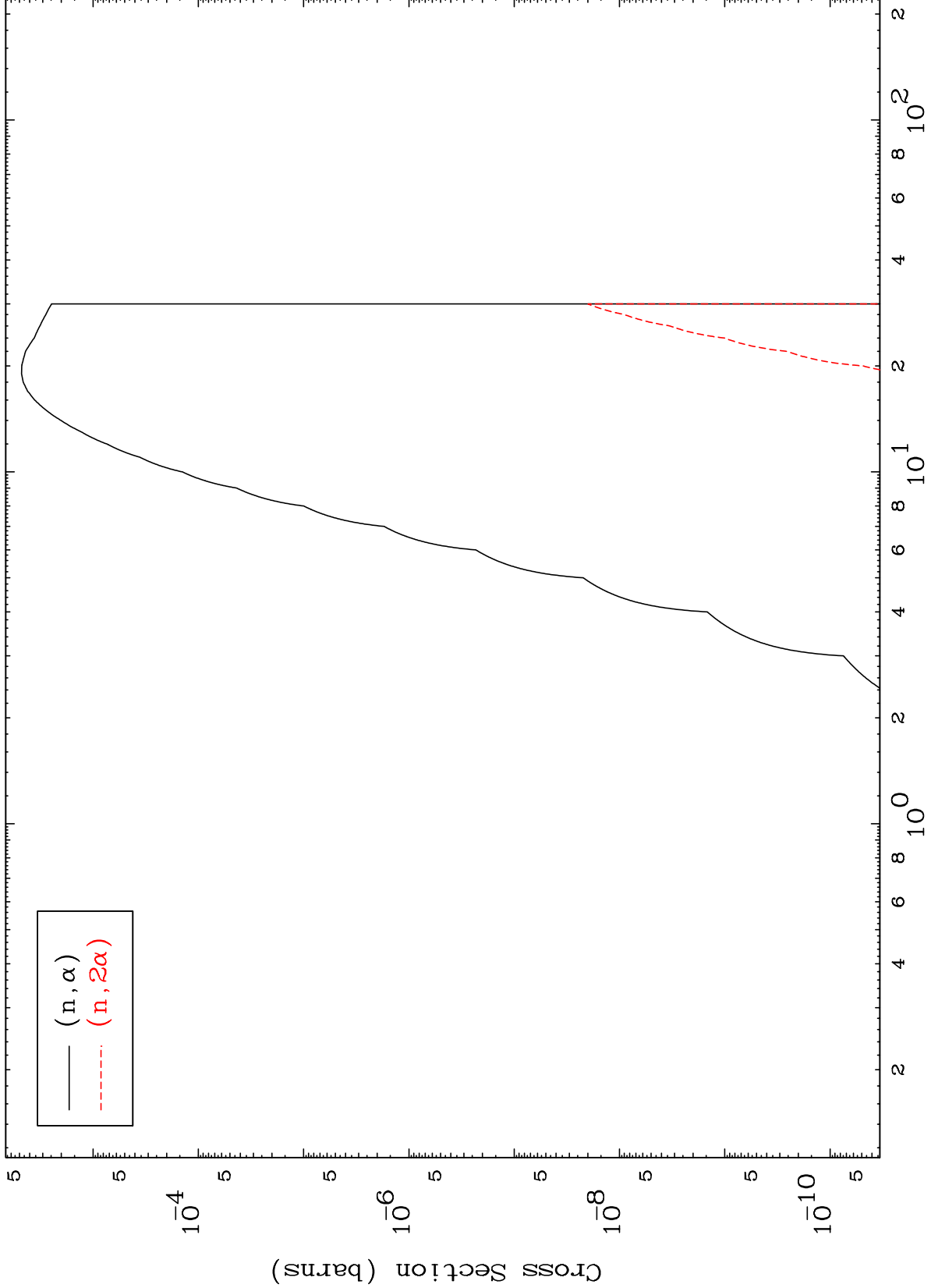
⁷²Hf-179n

MAT 7242

(p, α) Levels

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

0 Kelvin Cross Sections

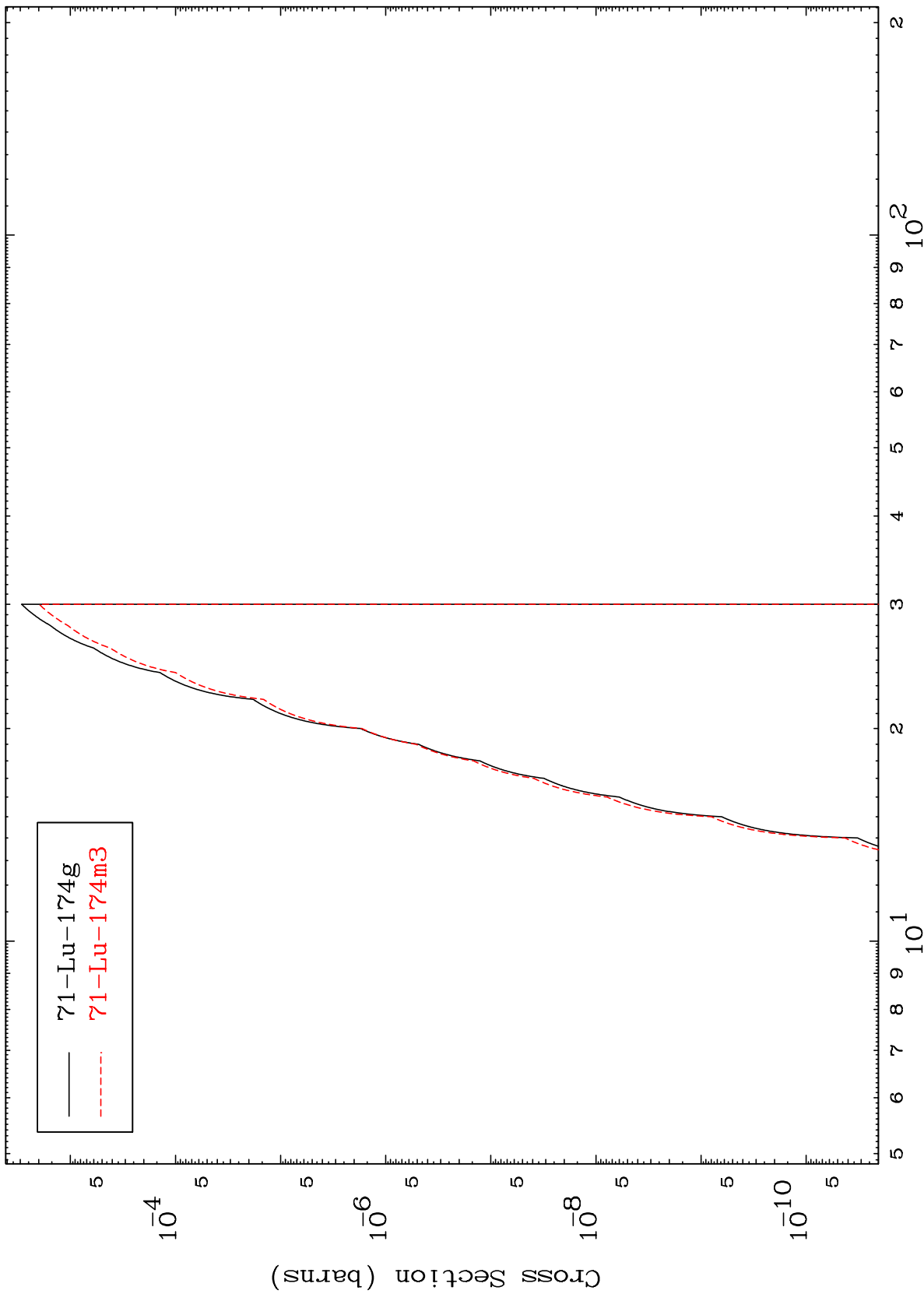


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$(n, 2n)$ α

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

Radionuclide Production Cross Section



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

12

Incident Energy (MeV)

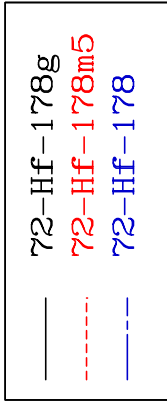
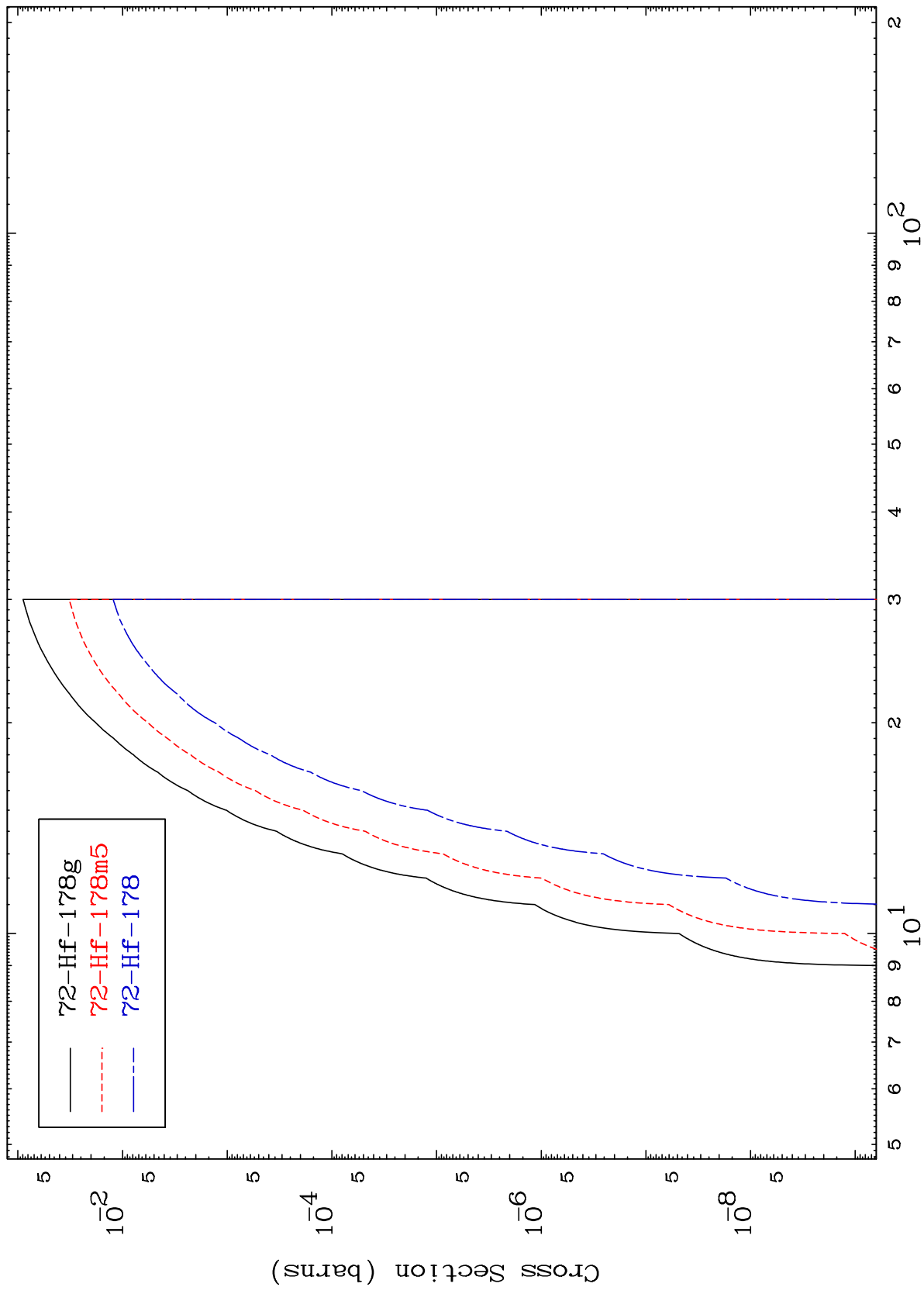
$^{72}\text{Hf}-^{179}\text{n}$

MAT 7242

(n,n') p

⁷²Hf-¹⁷⁹n

Radionuclide Production Cross Section



13

Incident Energy (MeV)

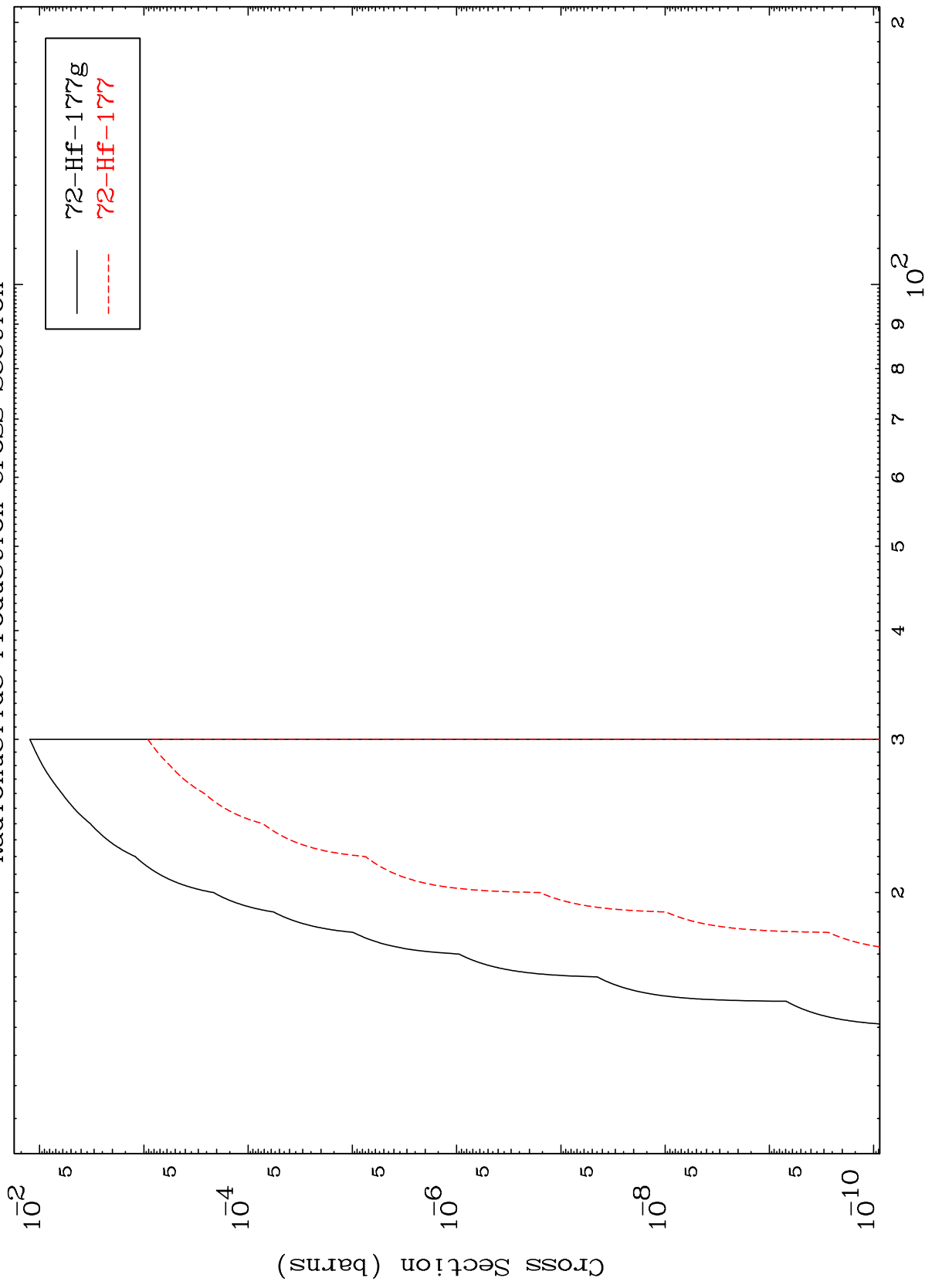
⁷²Hf-¹⁷⁹n

MAT 7242

(n,n') d

⁷²Hf-179n

Radionuclide Production Cross Section



14

Incident Energy (MeV)

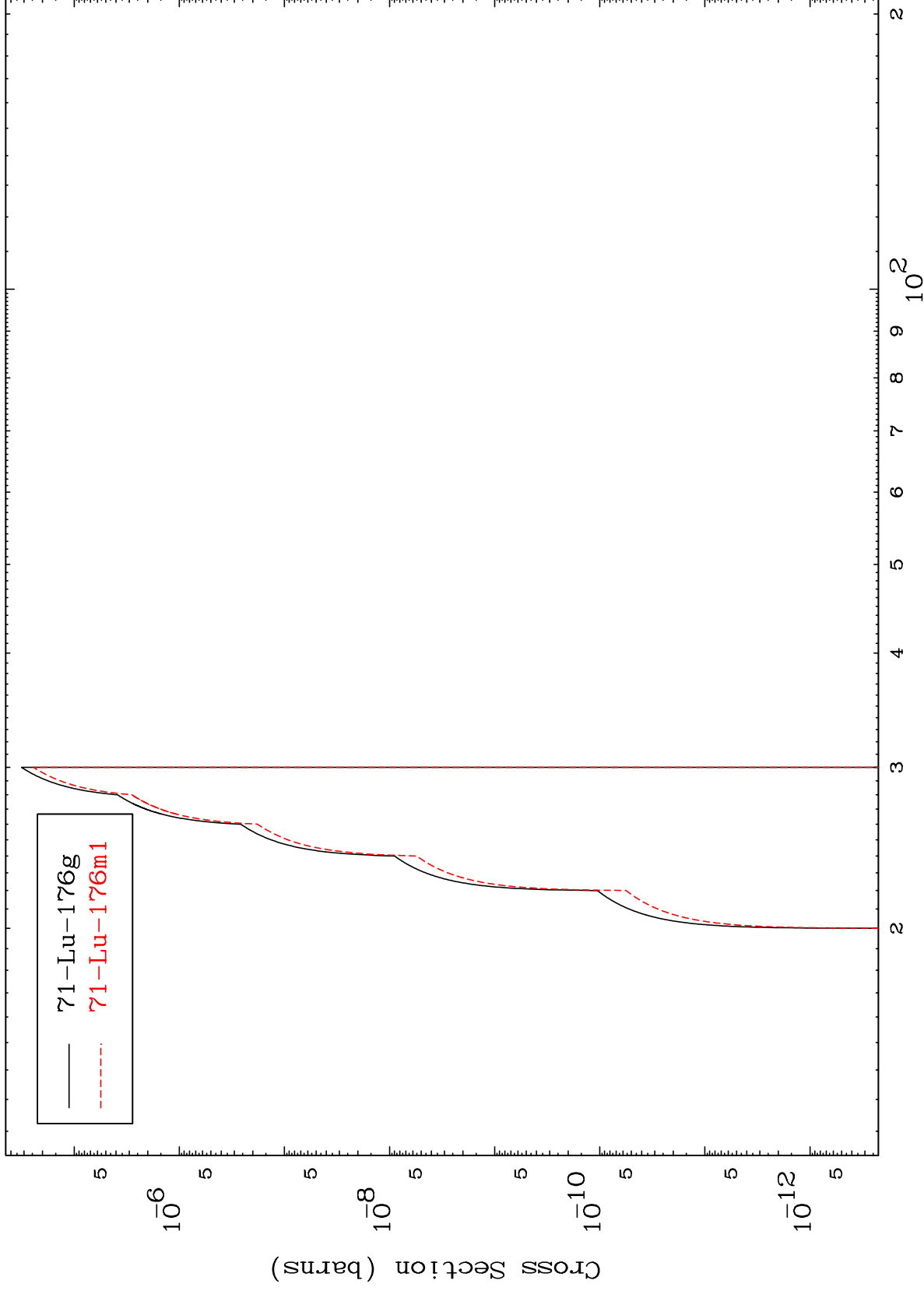
⁷²Hf-179n

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(n,n') He-3

⁷²Hf-179n

Radionuclide Production Cross Section



15

Incident Energy (MeV)

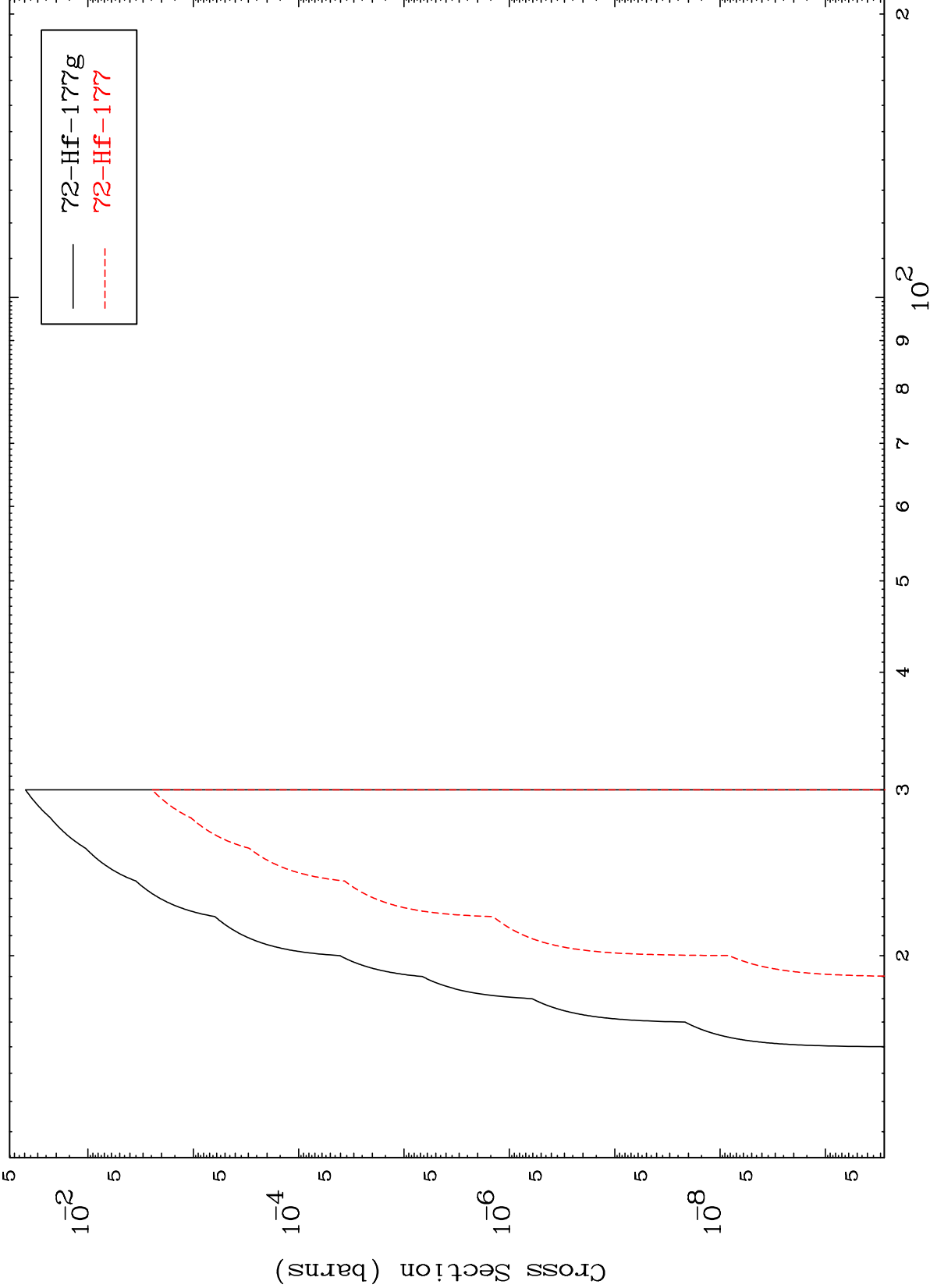
⁷²Hf-179n

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(n,2n) p

⁷²Hf-179n

Radionuclide Production Cross Section

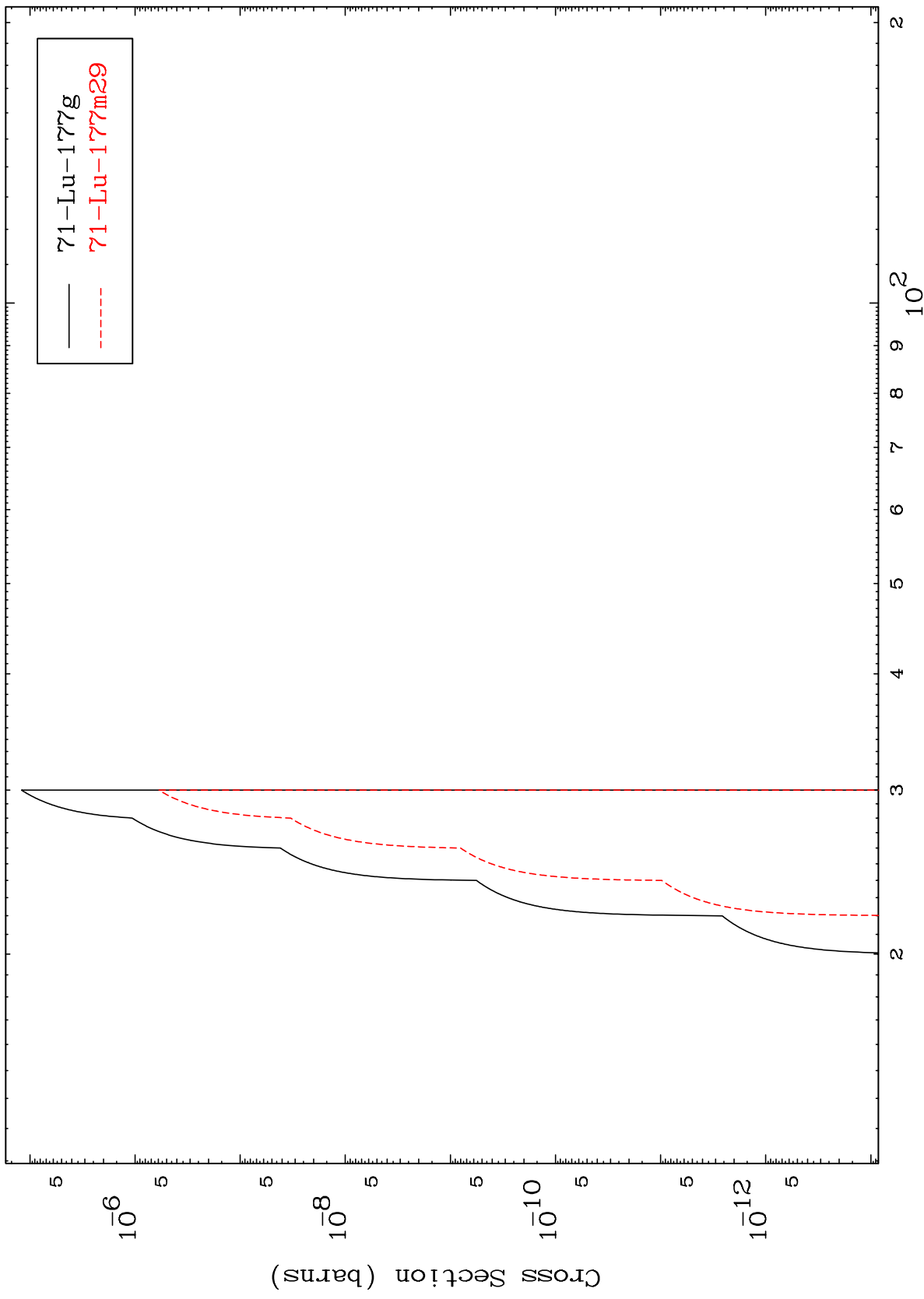


MAT 7242

(n,2n) p

⁷²Hf-¹⁷⁹n

Radionuclide Production Cross Section



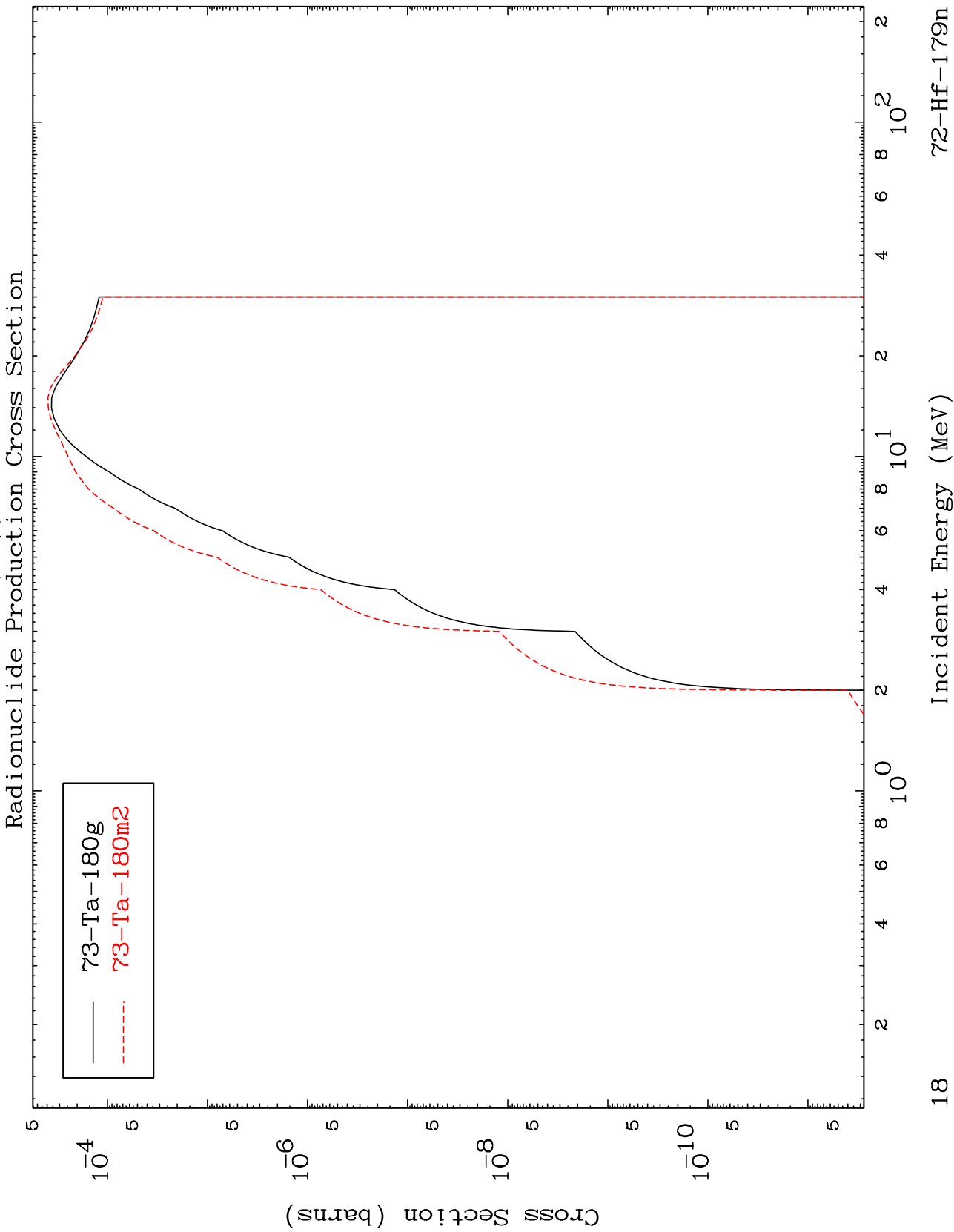
17

Incident Energy (MeV)

⁷²Hf-¹⁷⁹n

MAT 7242

⁷²Hf-179n



⁷²Hf-179n

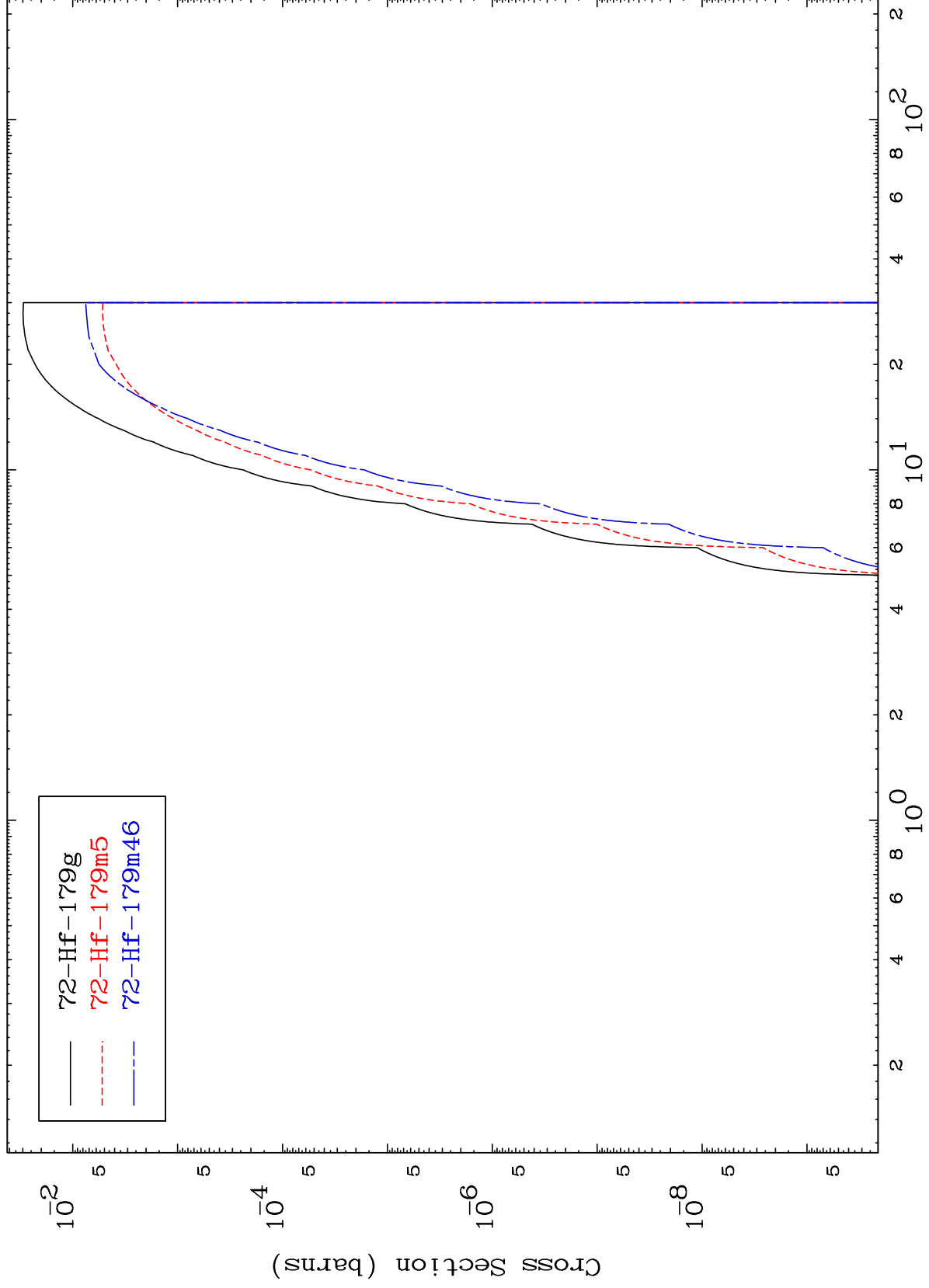
Incident Energy (MeV)

MAT 7242

(n,p)

⁷²Hf-179n

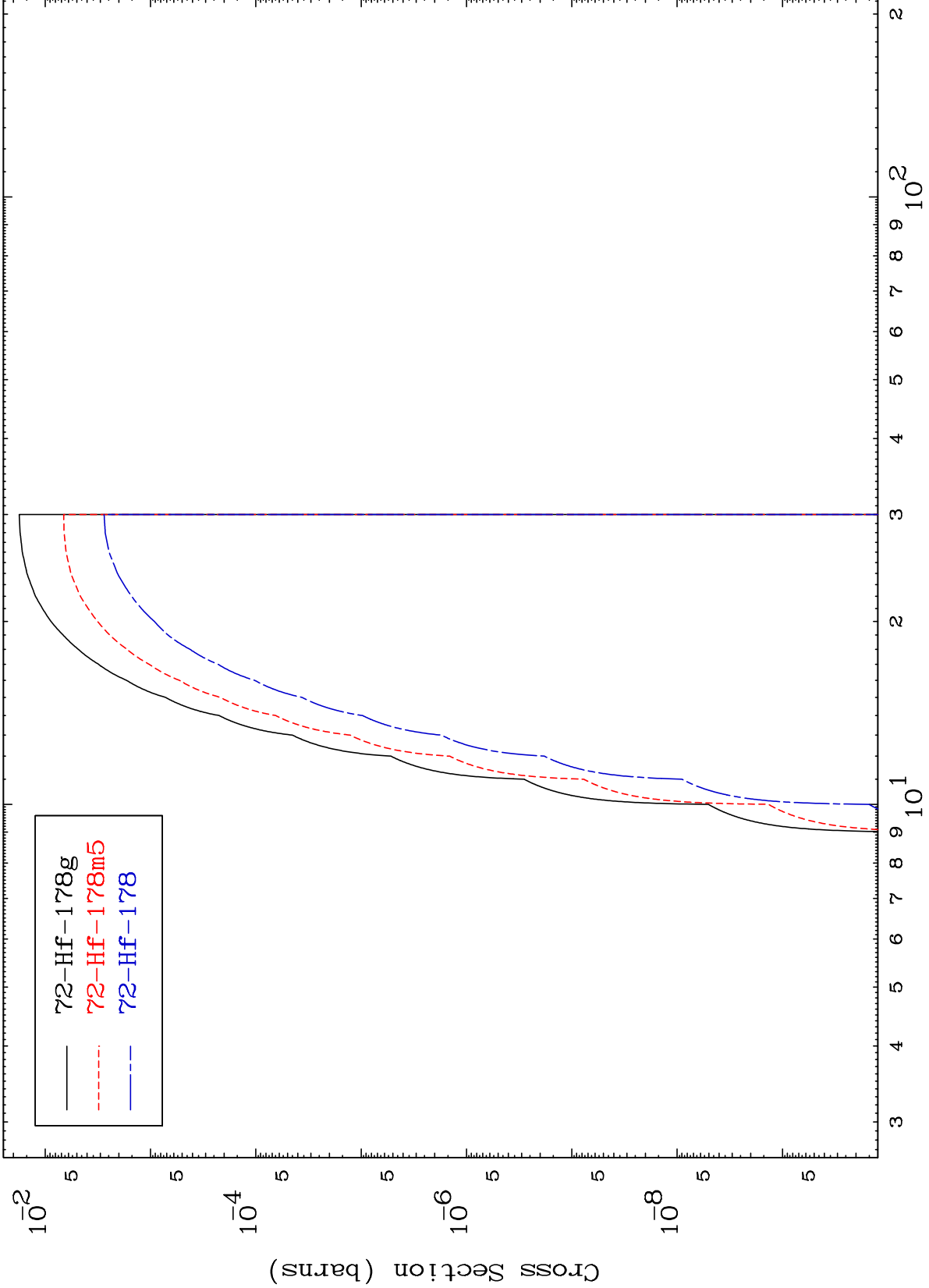
Radionuclide Production Cross Section



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⁷²Hf-179n

(n,d)
Radionuclide Production Cross Section



— ⁷²Hf-178g
- - ⁷²Hf-178m5
- - ⁷²Hf-178

⁷²Hf-179n

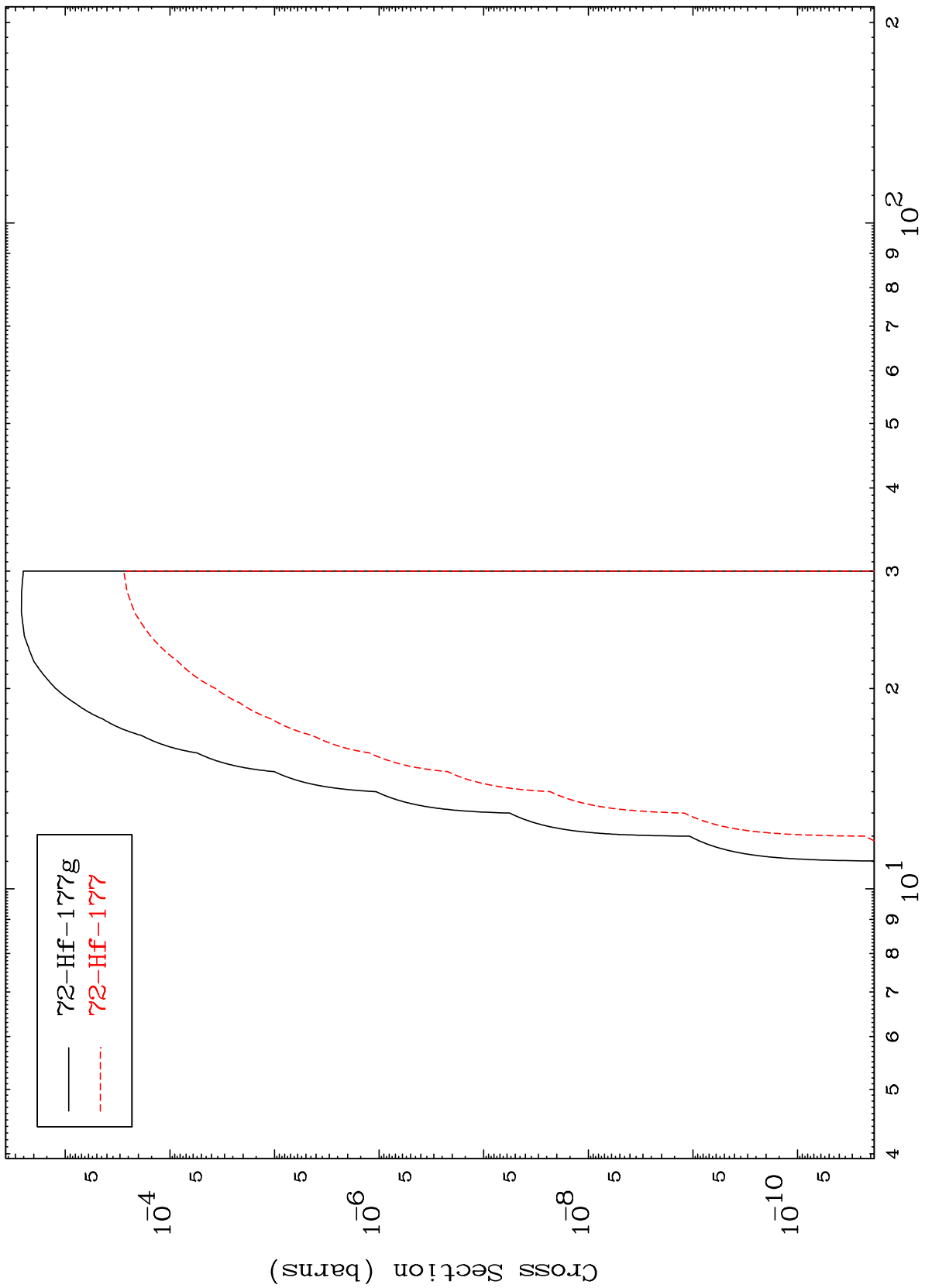
Incident Energy (MeV)

20

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⁷²Hf-179n

Radionuclide Production Cross Section (n, t)



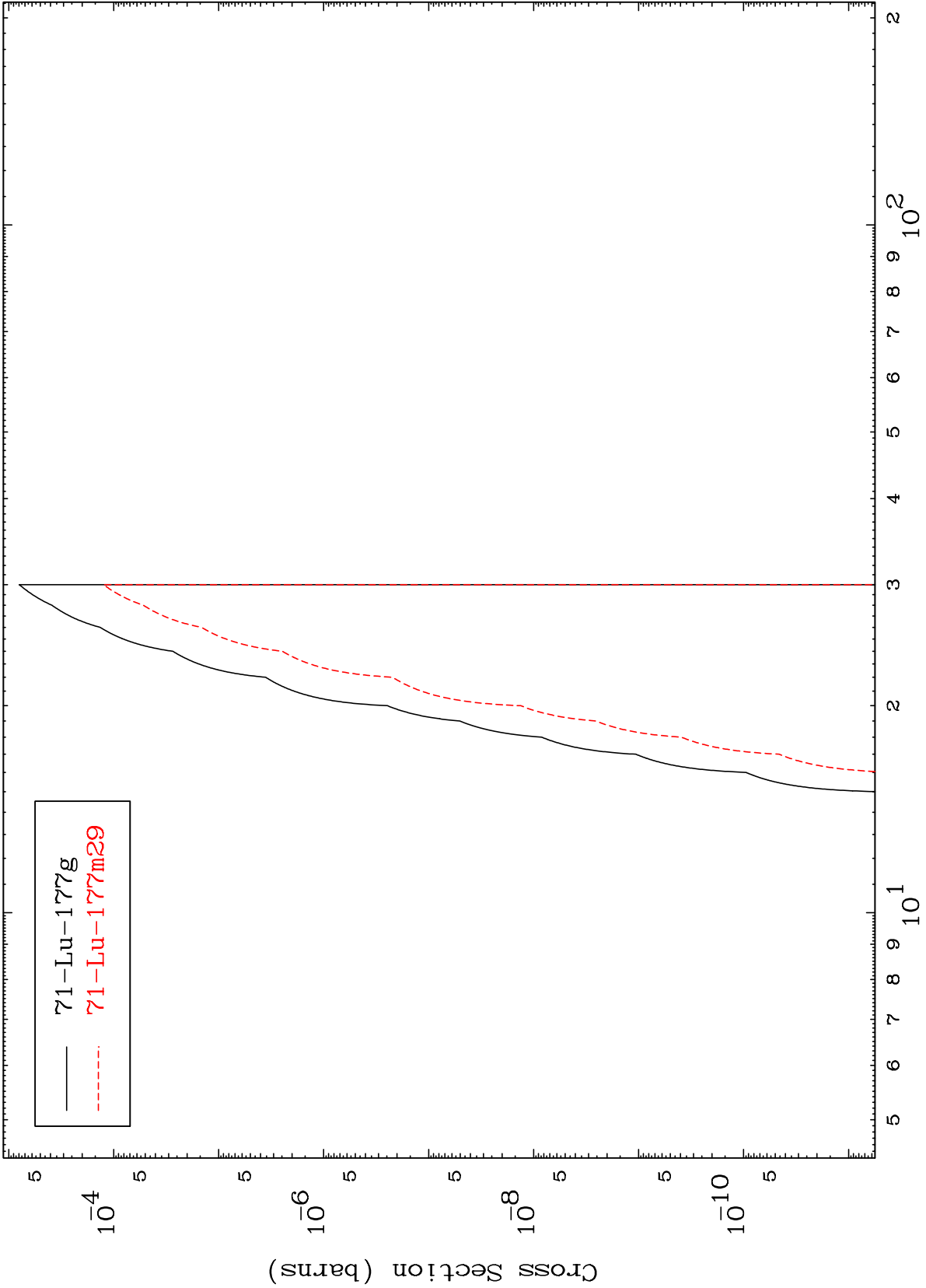
Legend:
— 72-Hf-177g
- - - 72-Hf-177

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(n,He-3)

⁷²Hf-179n

Radionuclide Production Cross Section



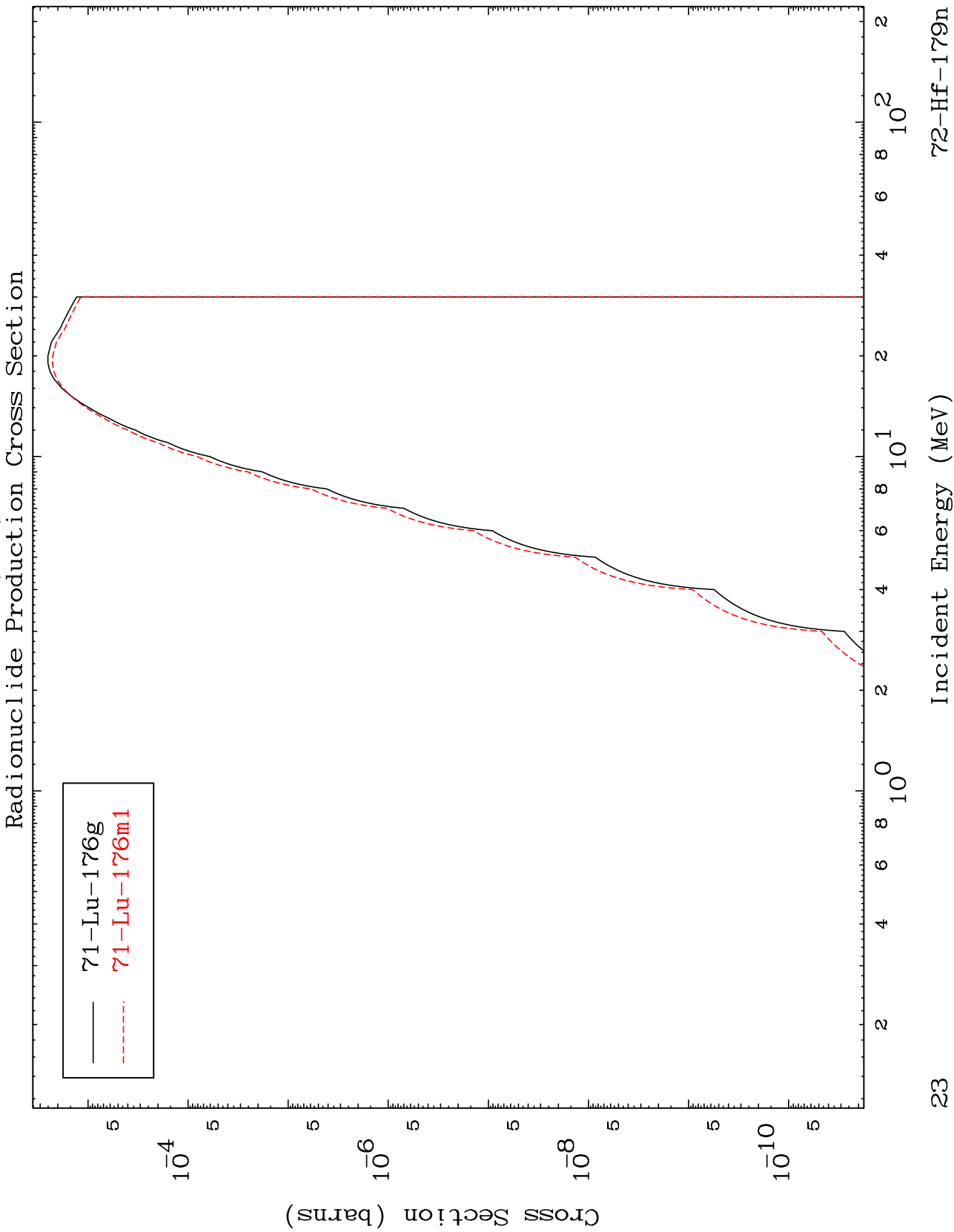
22

Incident Energy (MeV)

⁷²Hf-179n

MAT 7242

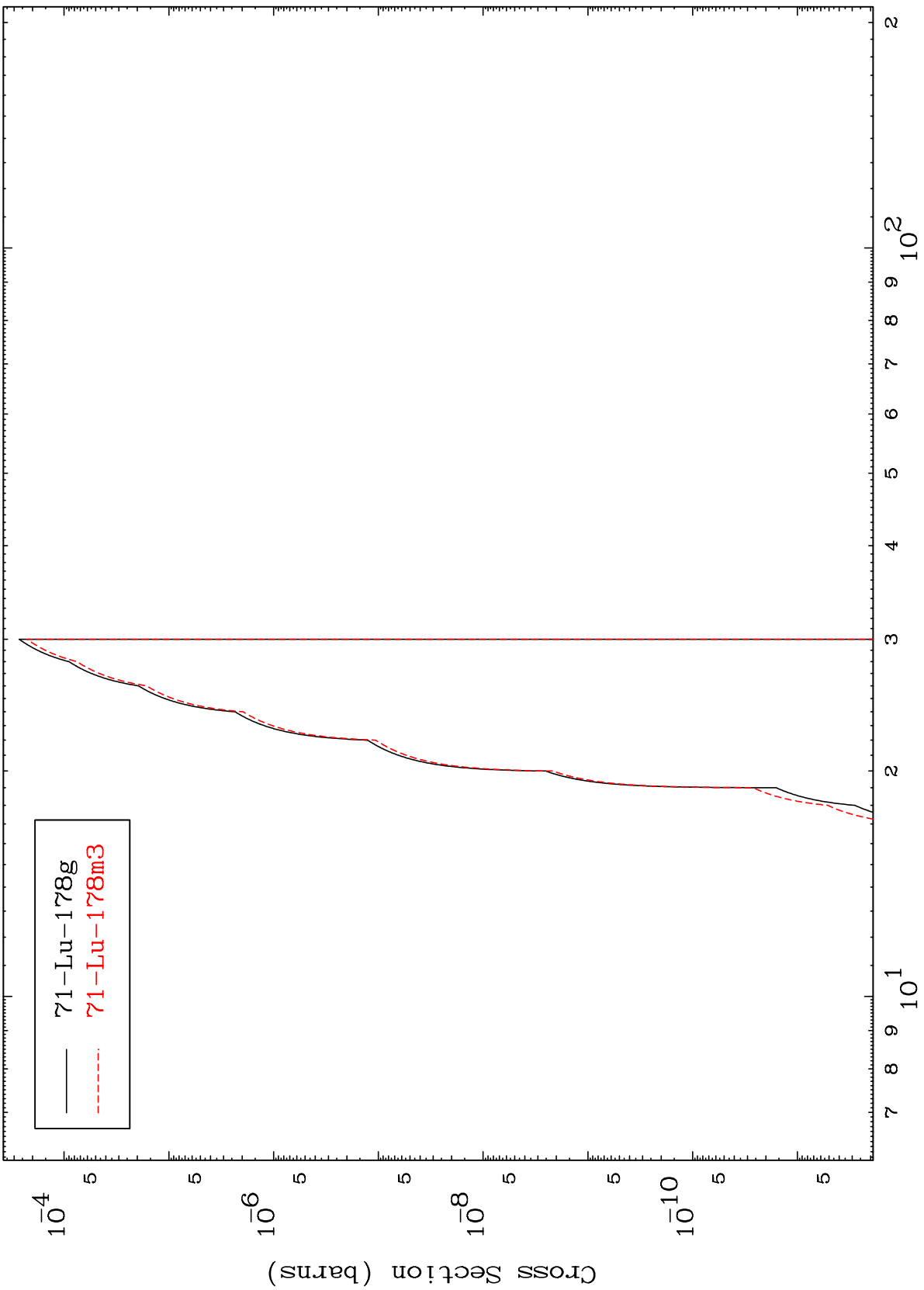
⁷²Hf-179n



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⁷²Hf-179n

Radionuclide Production Cross Section (n,2p)



Incident Energy (MeV)

⁷²Hf-179n

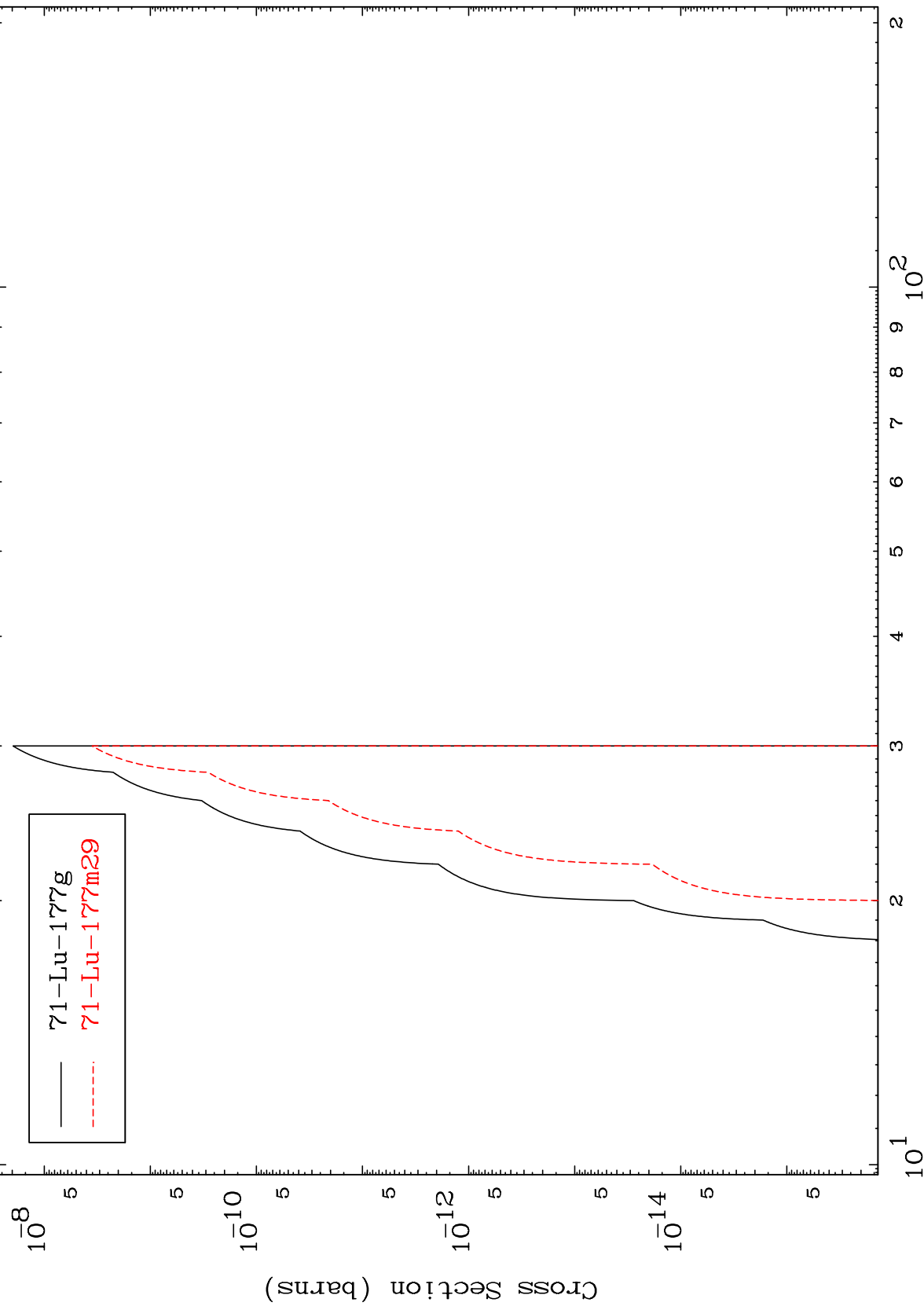
24

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(n,p) d

⁷²Hf-179n

Radionuclide Production Cross Section



— ⁷¹Lu-177g
- - - ⁷¹Lu-177m29

Incident Energy (MeV)

⁷²Hf-179n

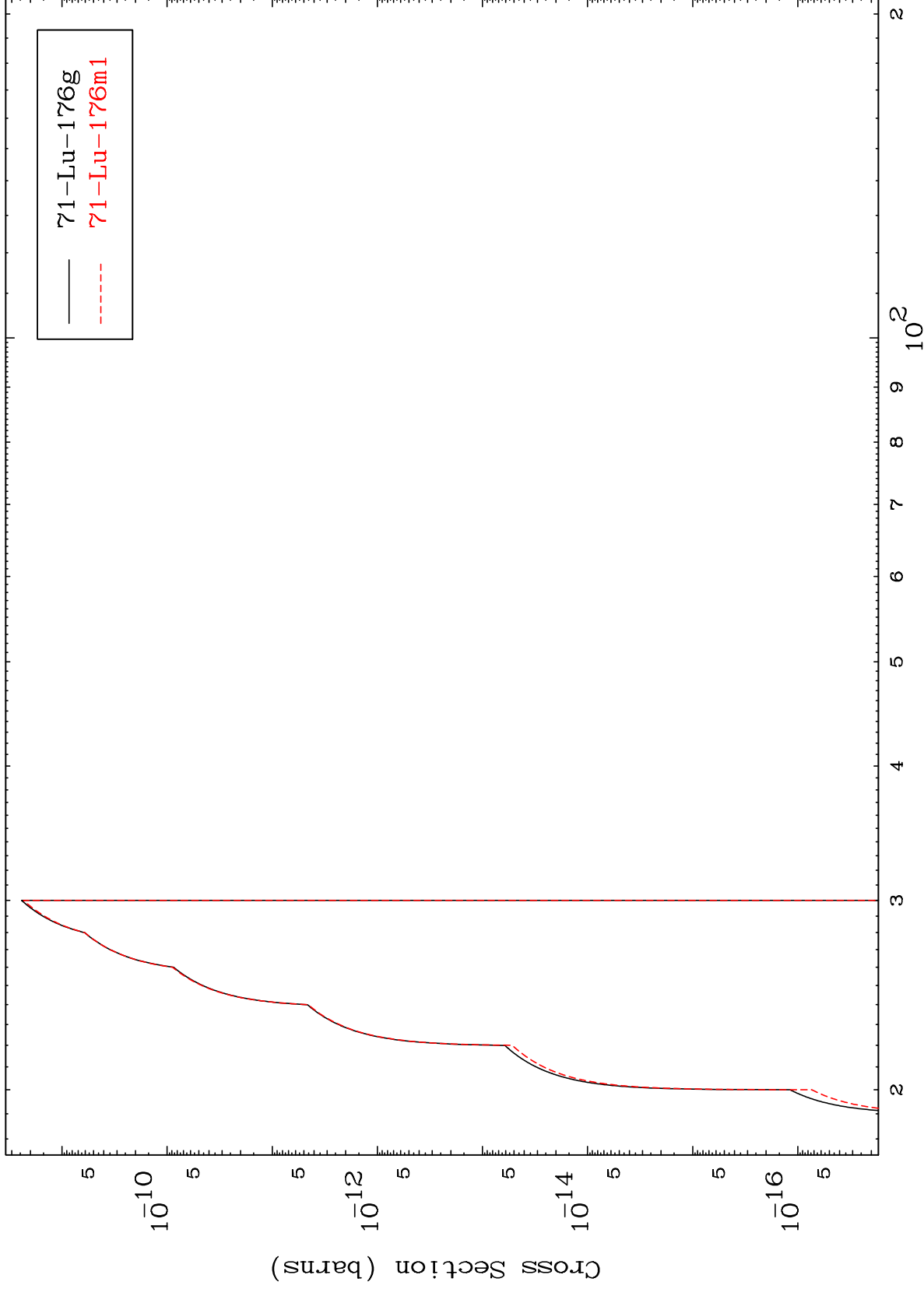
25

MAT 7242

(n,p) t

⁷²Hf-179n

Radionuclide Production Cross Section



26

Incident Energy (MeV)

⁷²Hf-179n