

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

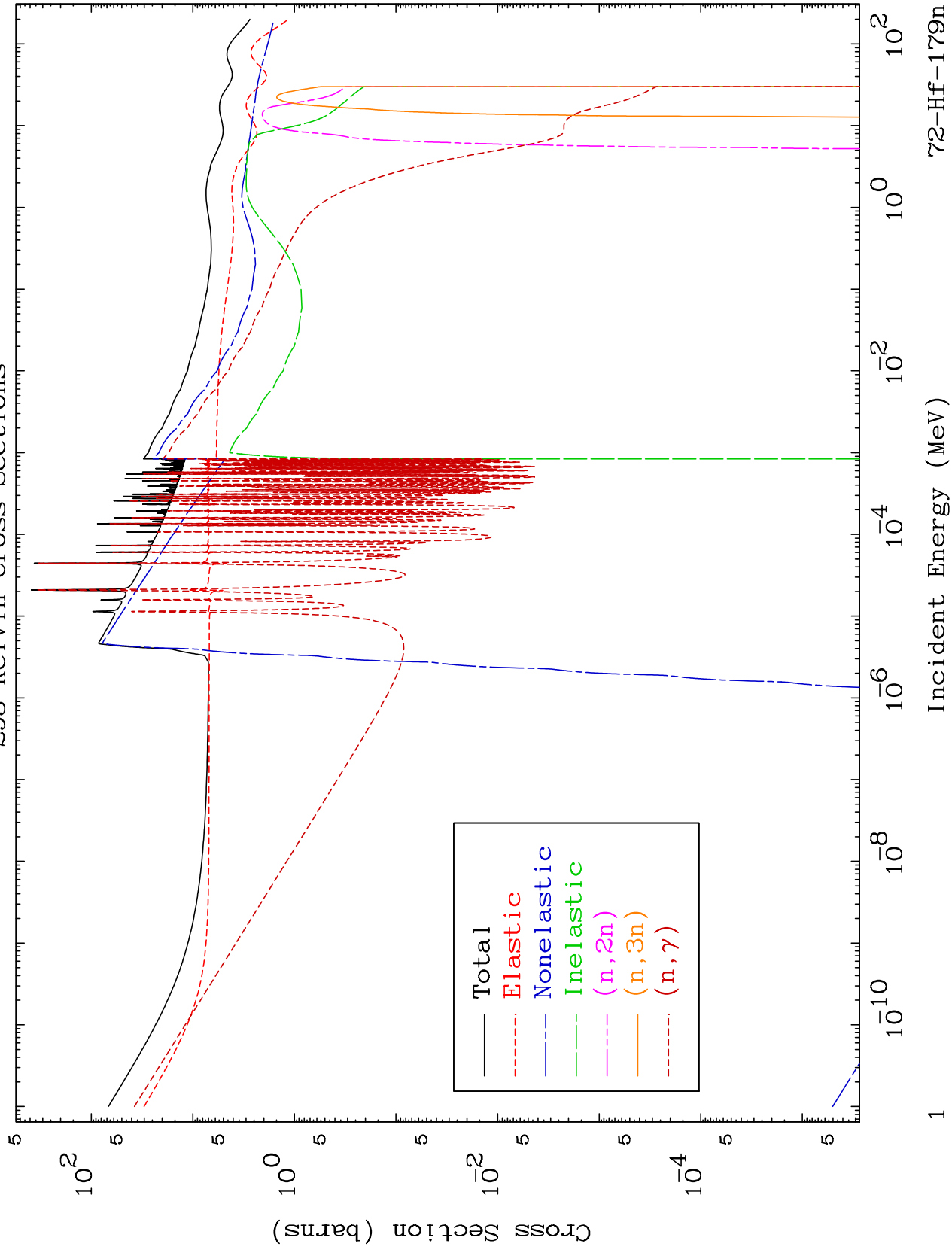
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7242

Neutron Major
293 Kelvin Cross Sections

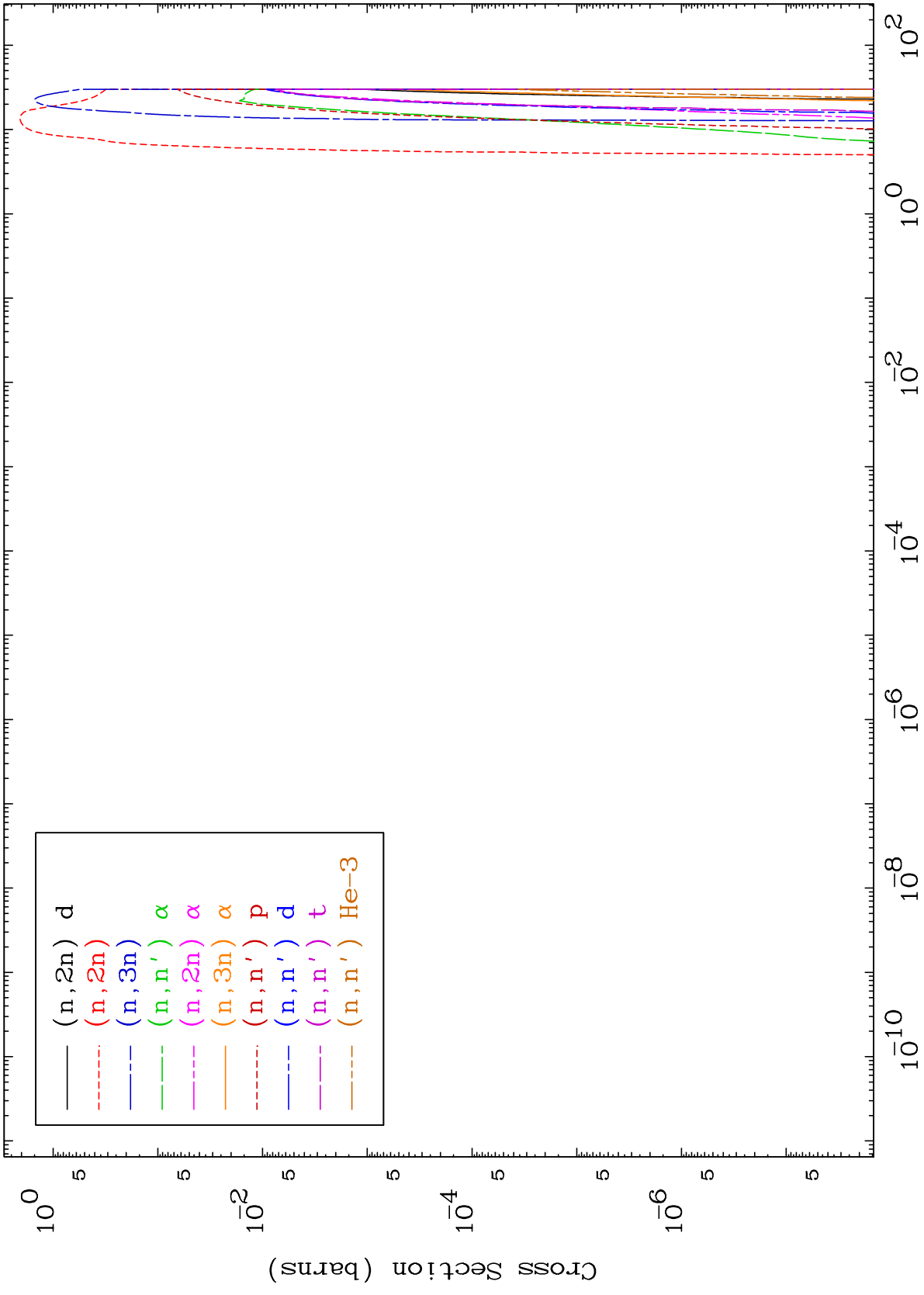
72-Hf-179n



MAT 7242

Neutron Absorption
293 Kelvin Cross Sections

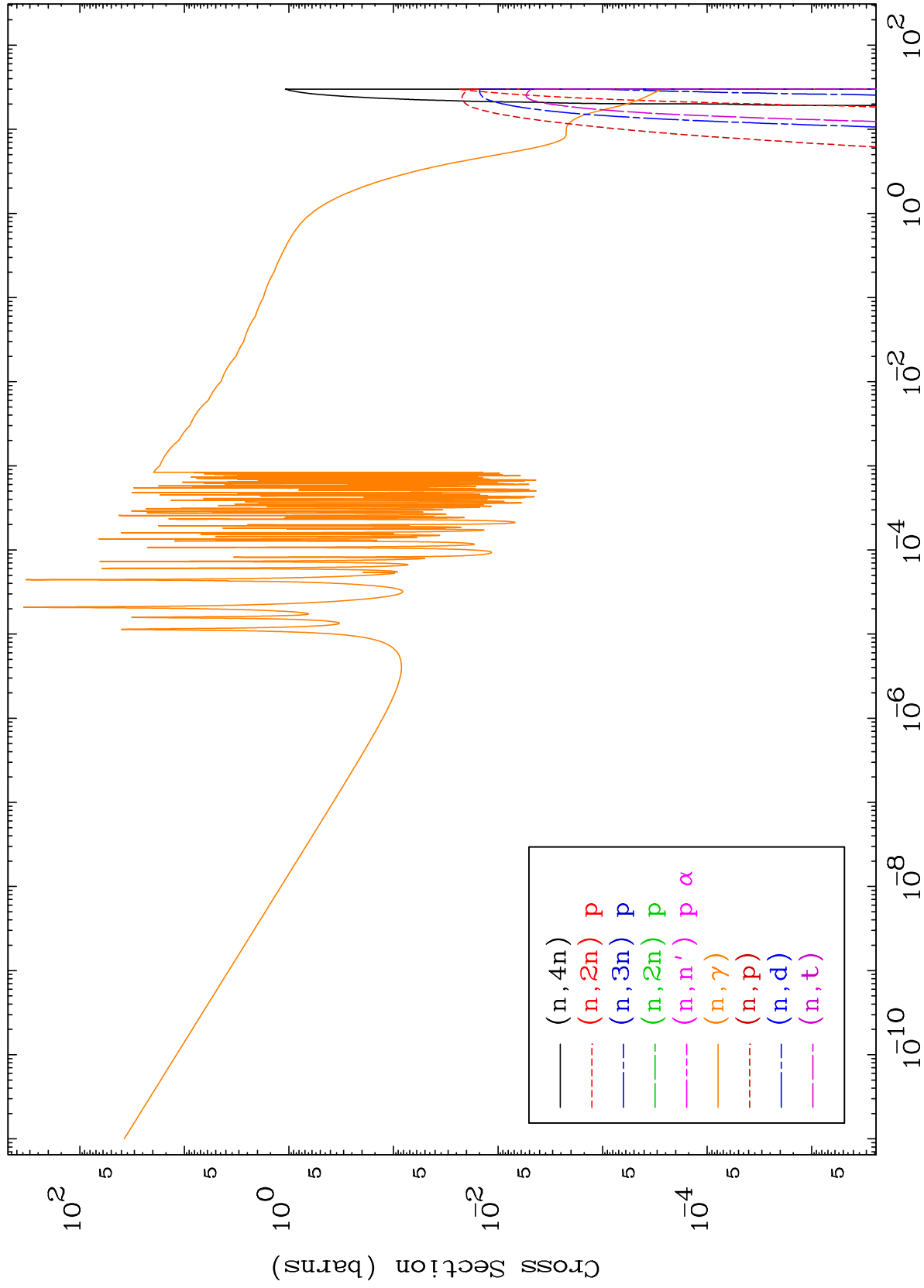
72-Hf-179n



MAT 7242

Neutron Absorption
293 Kelvin Cross Sections

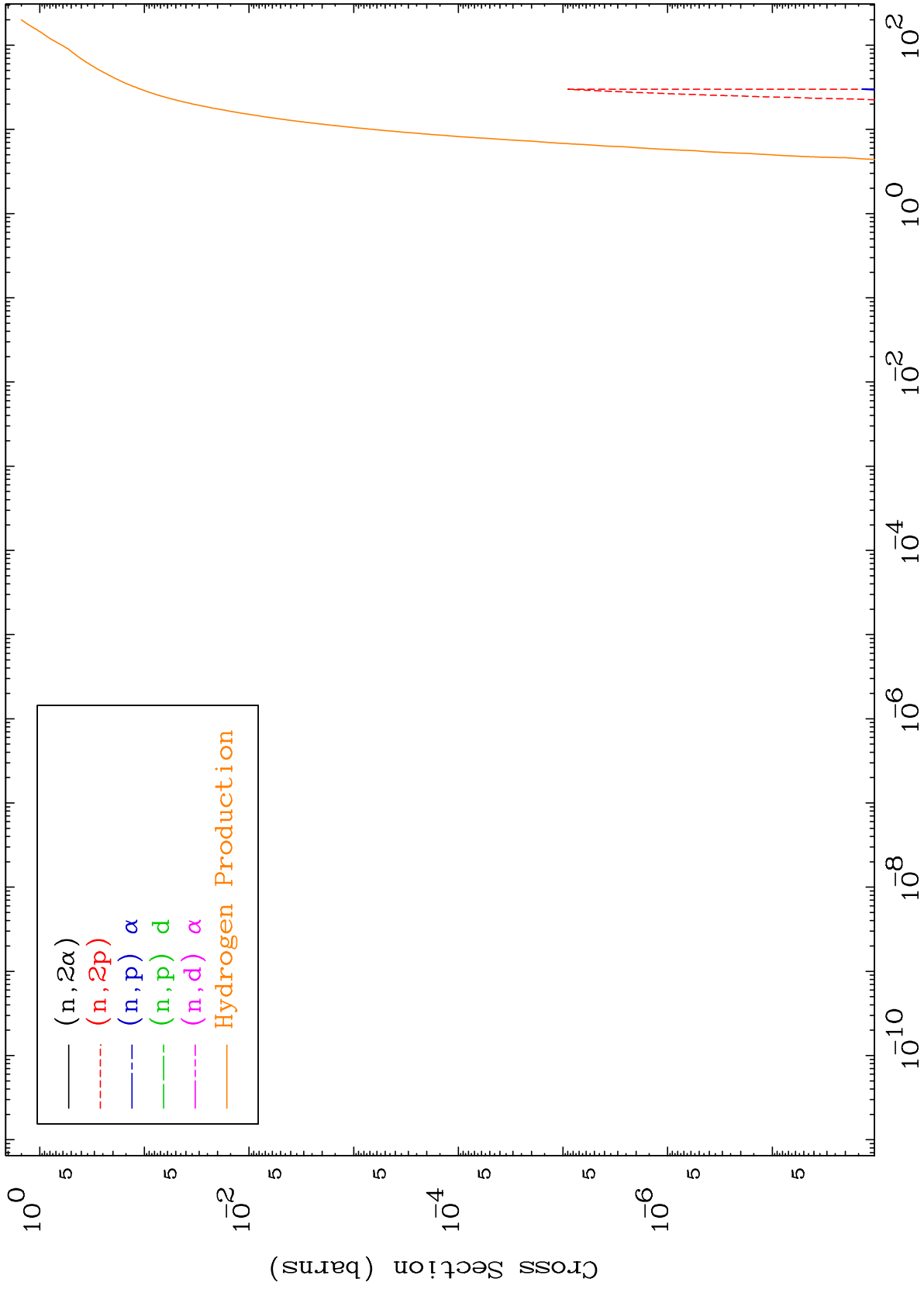
72-Hf-179n



MAT 7242

Neutron Absorption
293 Kelvin Cross Sections

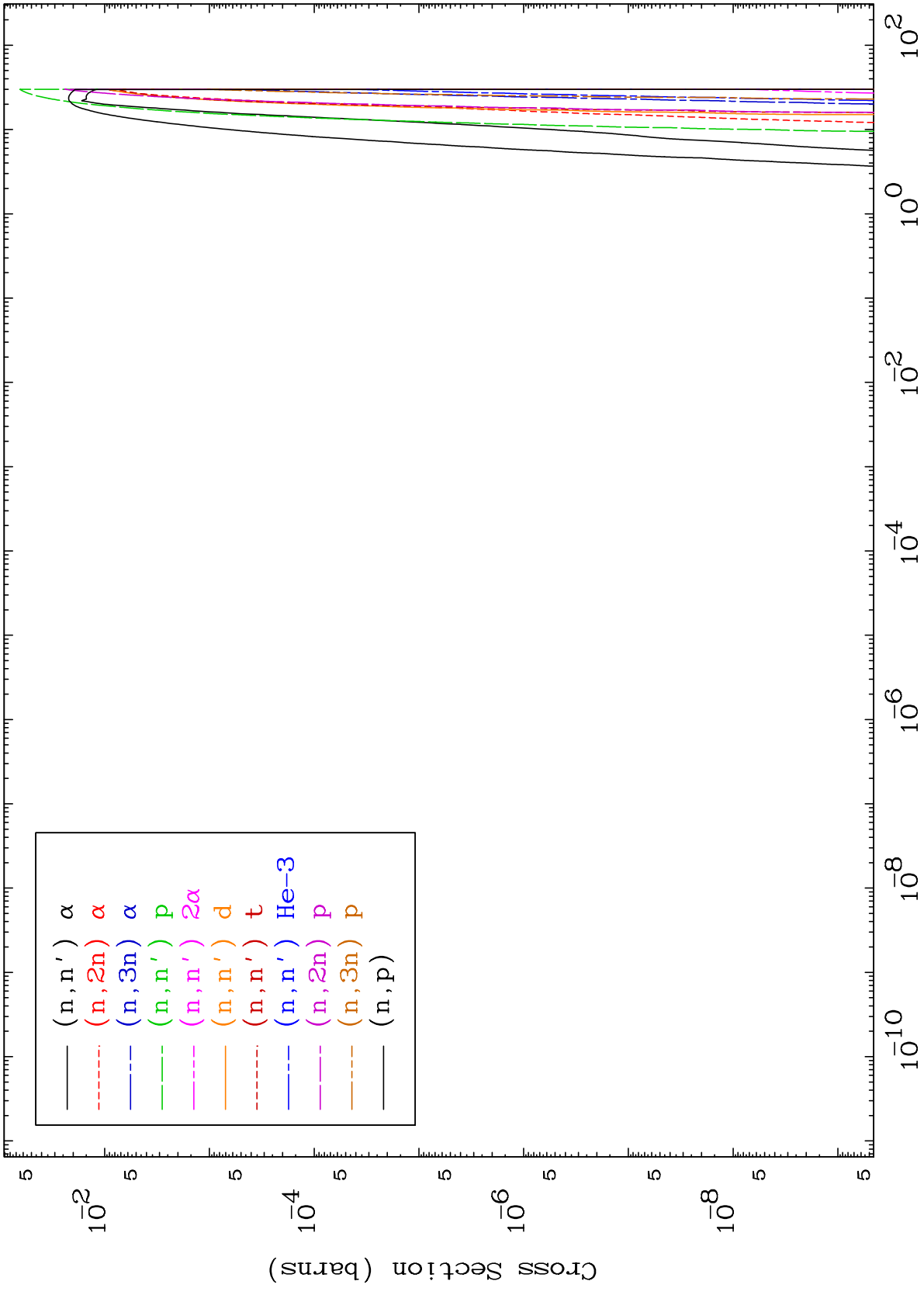
72-Hf-179n



MAT 7242

Charged Particle
293 Kelvin Cross Sections

72-Hf-179n



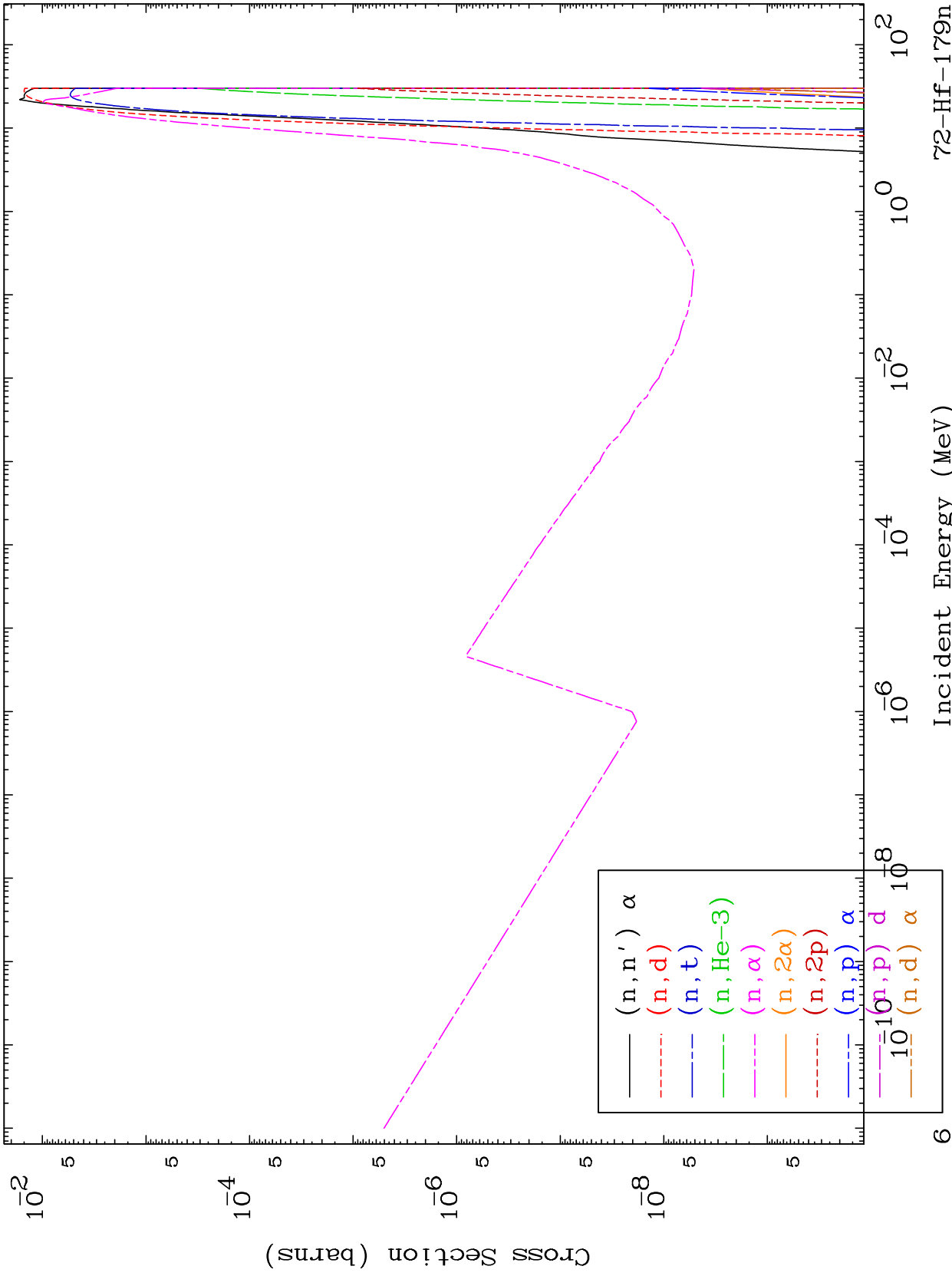
5

72-Hf-179n

MAT 7242

Charged Particle
293 Kelvin Cross Sections

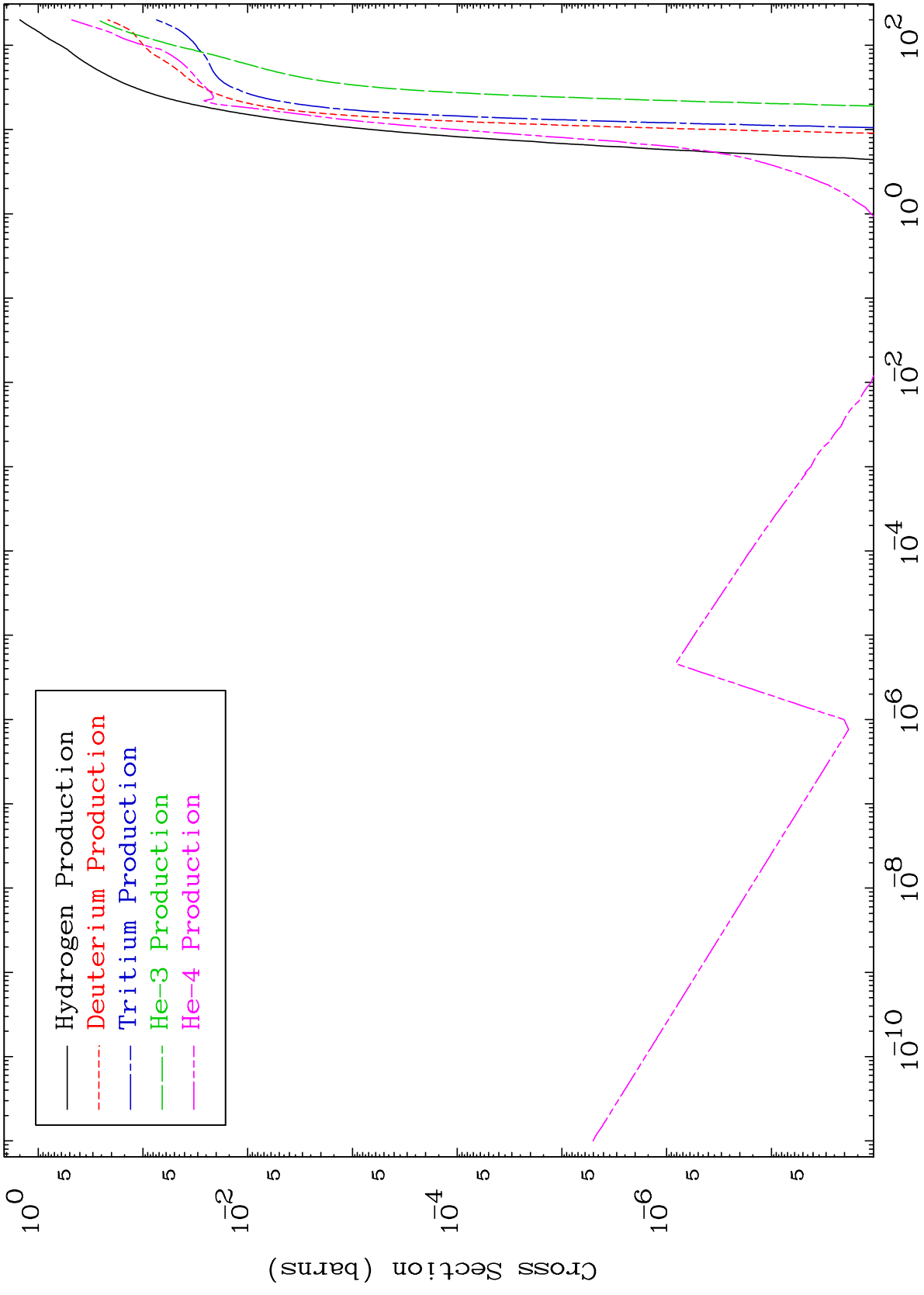
72-Hf-179n



MAT 7242

Particle Production
293 Kelvin Cross Sections

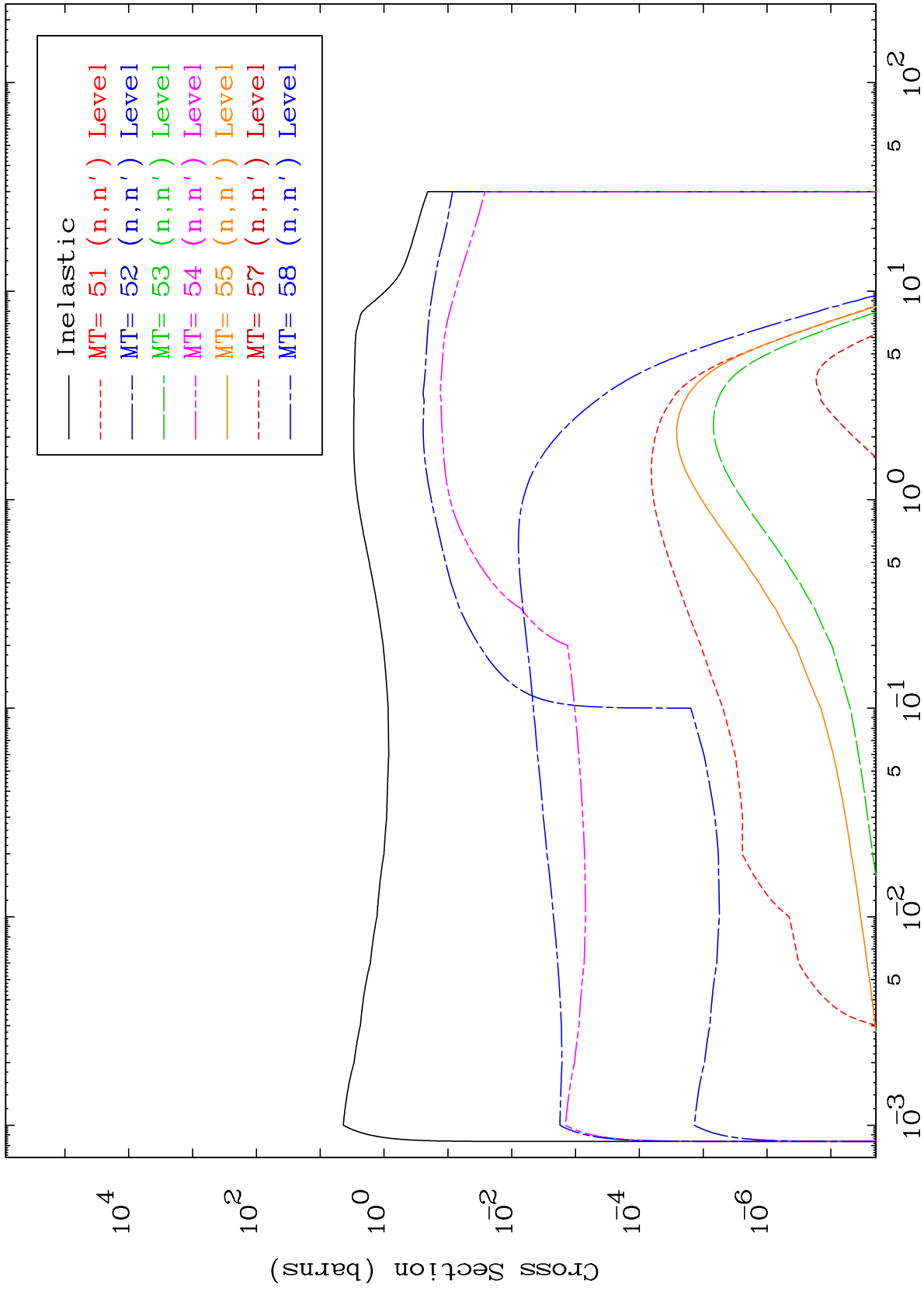
72-Hf-179n



MAT 7242

(n,n') Levels
293 Kelvin Cross Sections

72-Hf-179n



8

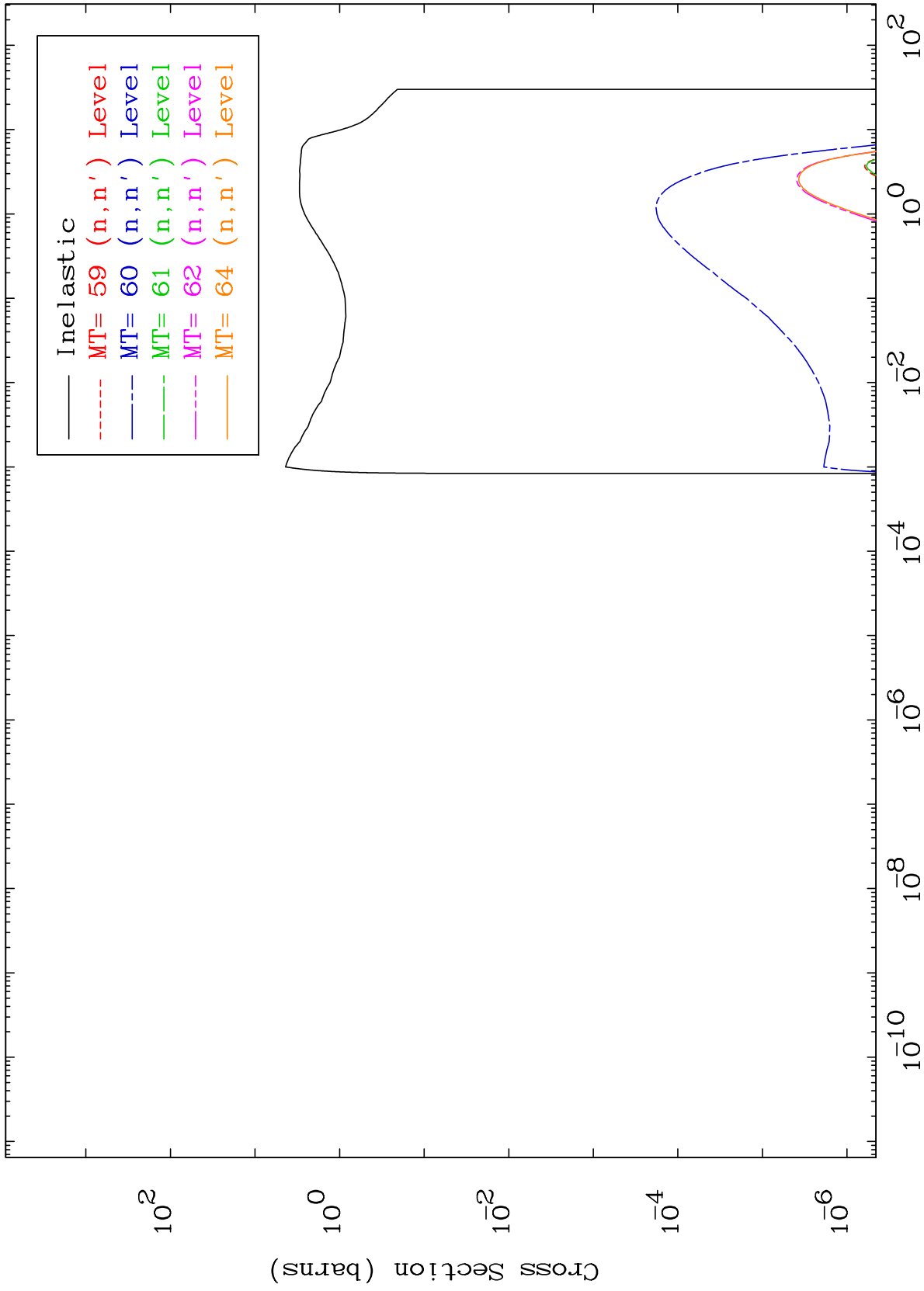
Incident Energy (MeV)

72-Hf-179n

MAT 7242

(n,n') Levels
293 Kelvin Cross Sections

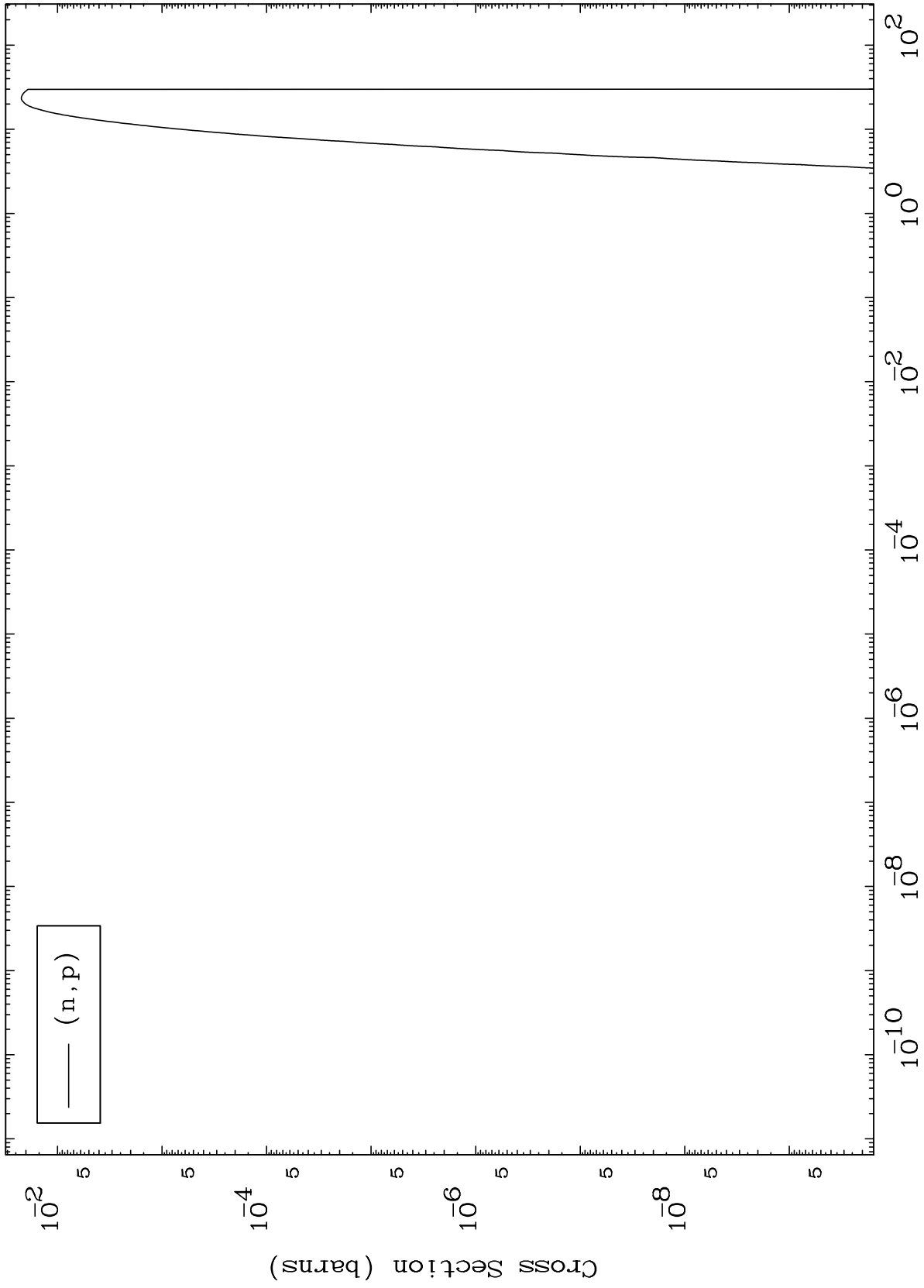
72-Hf-179n



MAT 7242

(n,p) Levels
293 Kelvin Cross Sections

72-Hf-179n



10

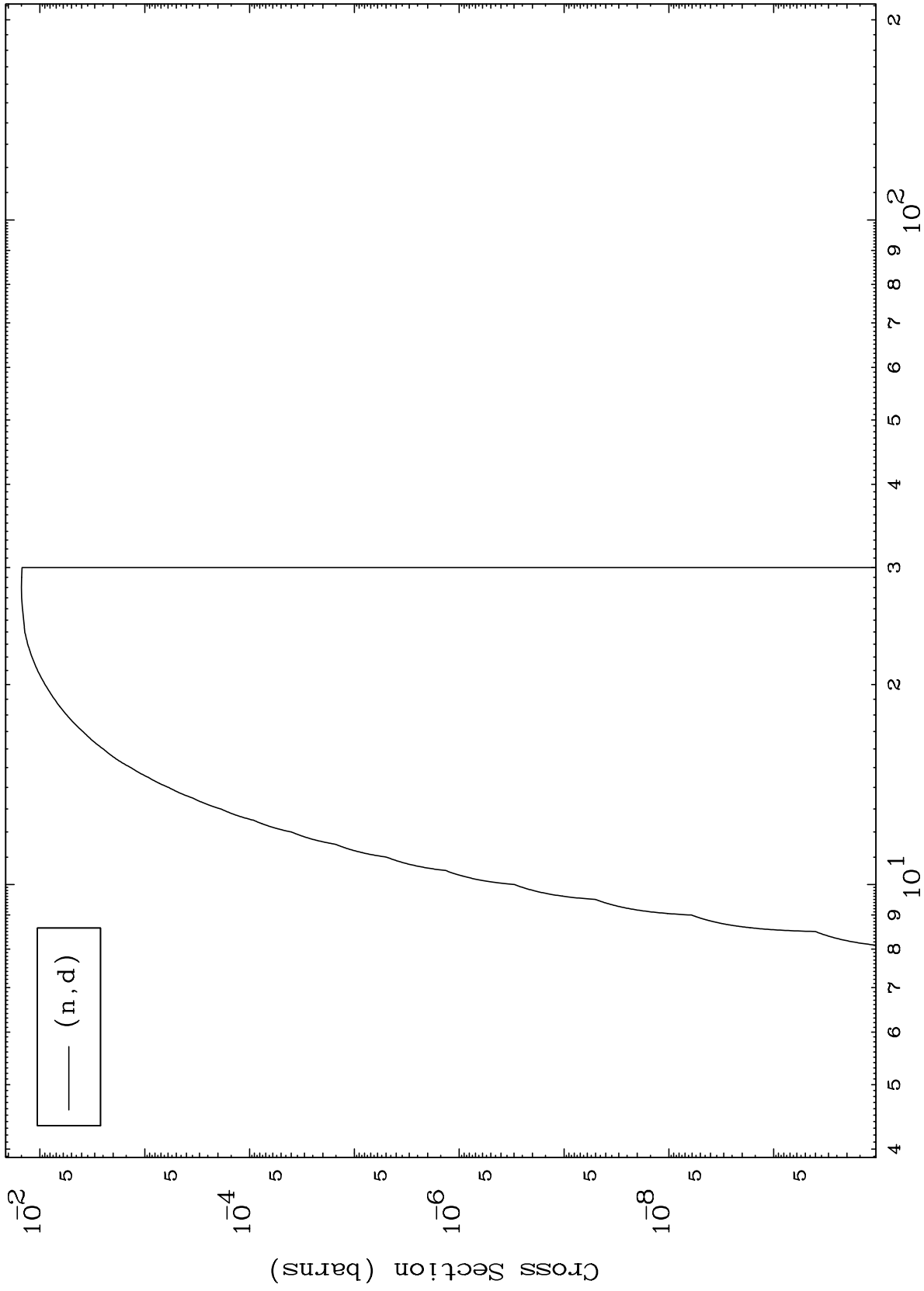
Incident Energy (MeV)

72-Hf-179n

MAT 7242

(n,d) Levels
293 Kelvin Cross Sections

72-Hf-179n



11

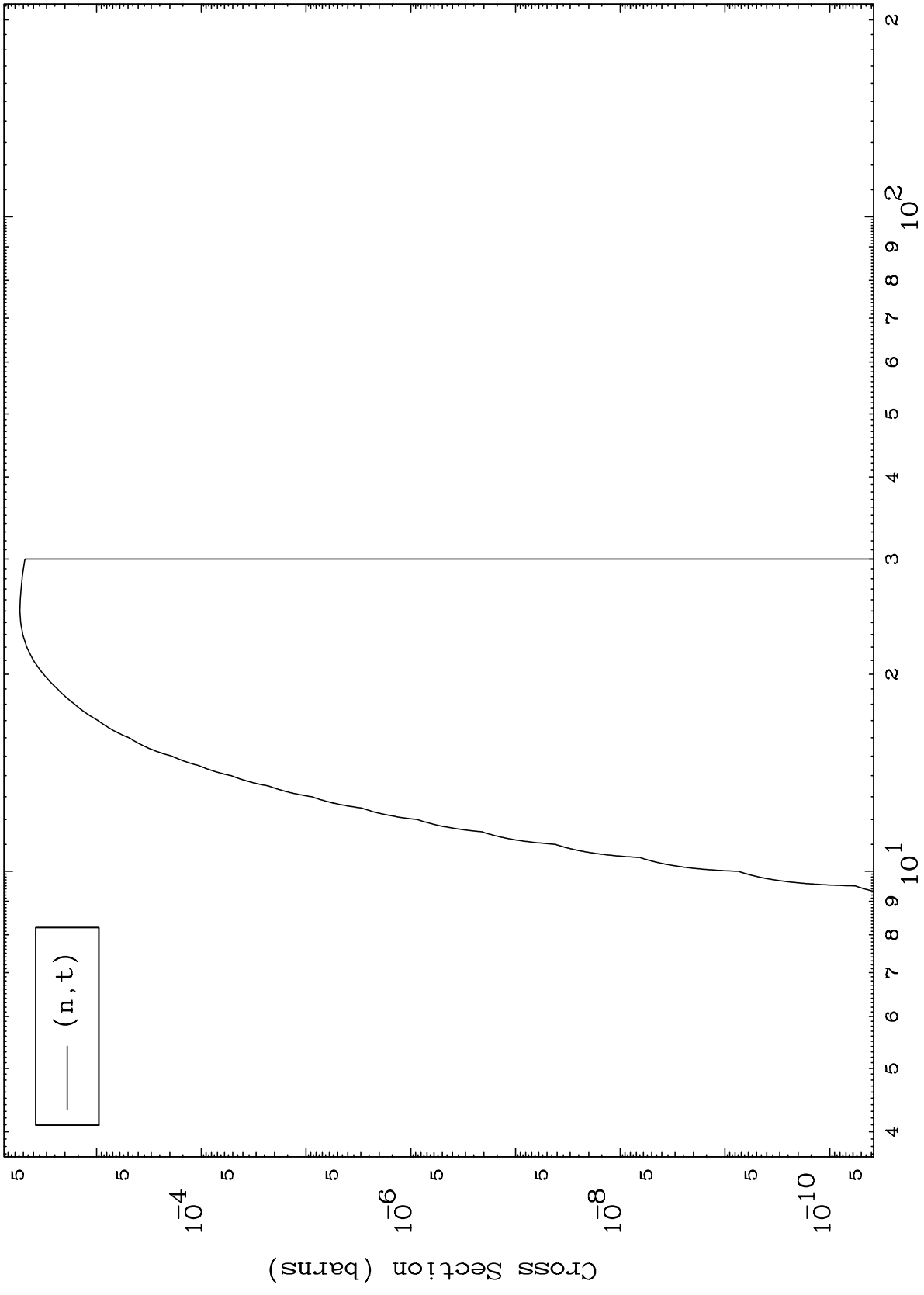
Incident Energy (MeV)

72-Hf-179n

MAT 7242

(n,t) Levels
293 Kelvin Cross Sections

72-Hf-179n



12

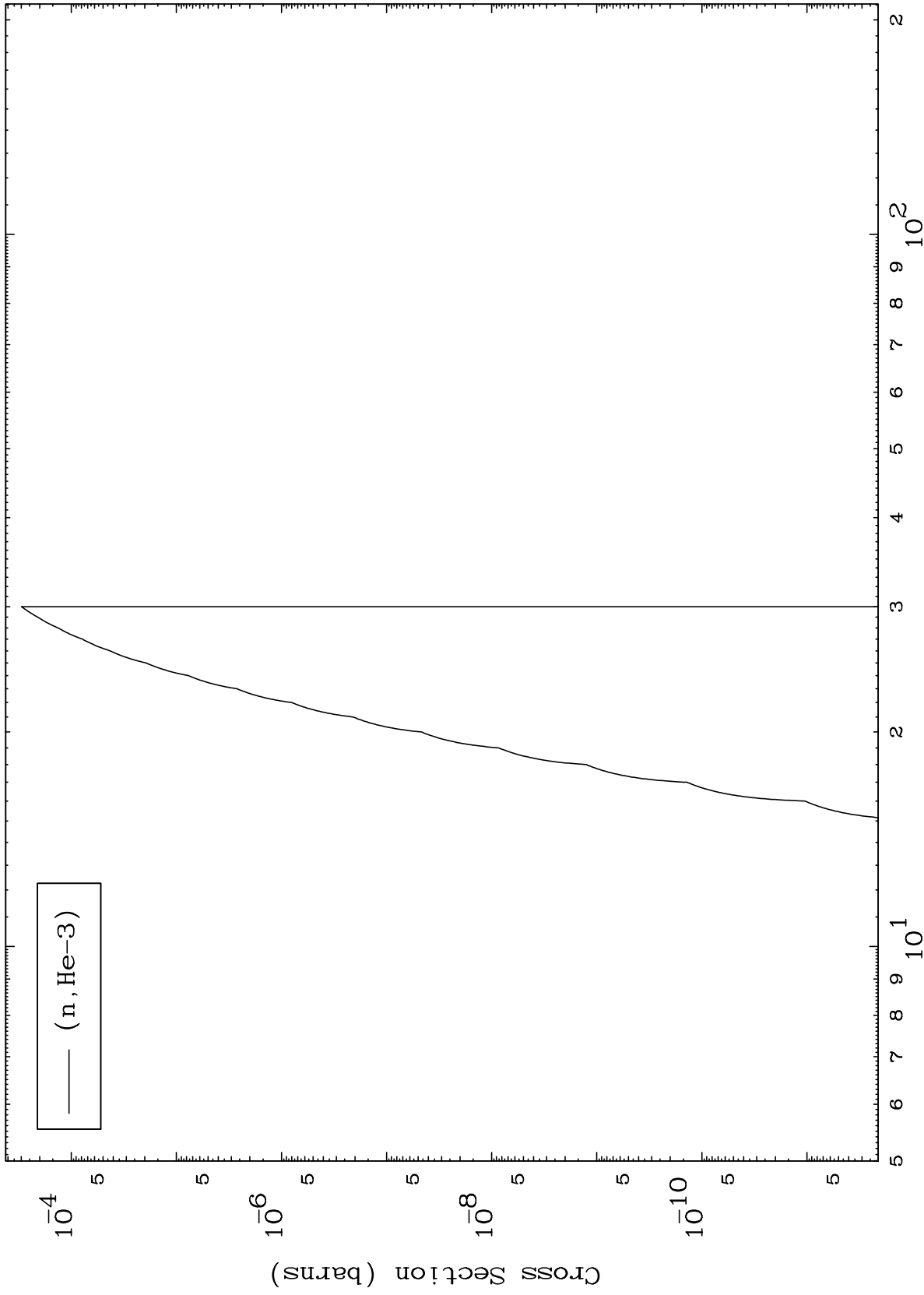
Incident Energy (MeV)

72-Hf-179n

MAT 7242

(n,He3) Levels
293 Kelvin Cross Sections

72-Hf-179n



13

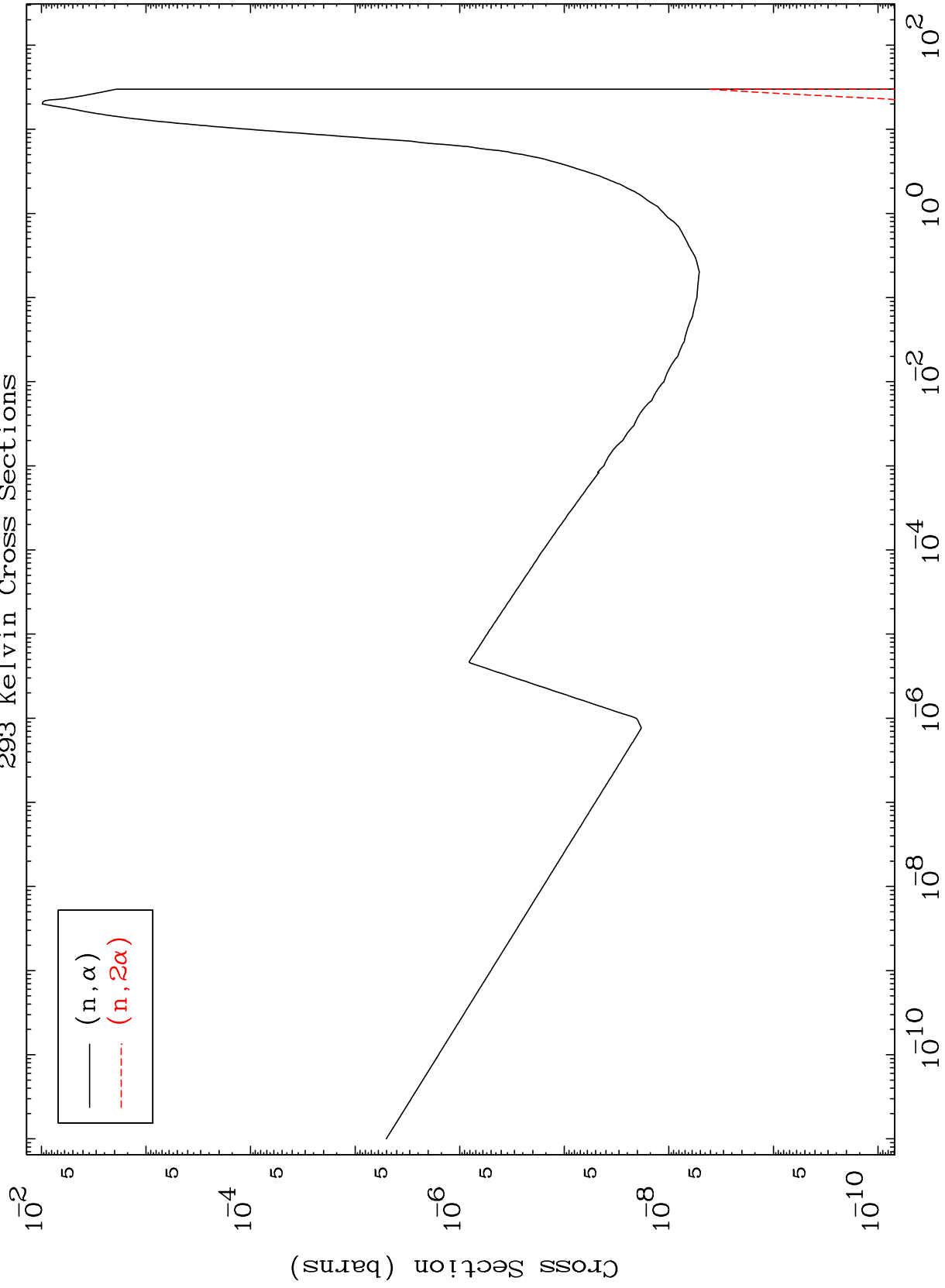
Incident Energy (MeV)

72-Hf-179n

MAT 7242

(n, α) Levels
293 Kelvin Cross Sections

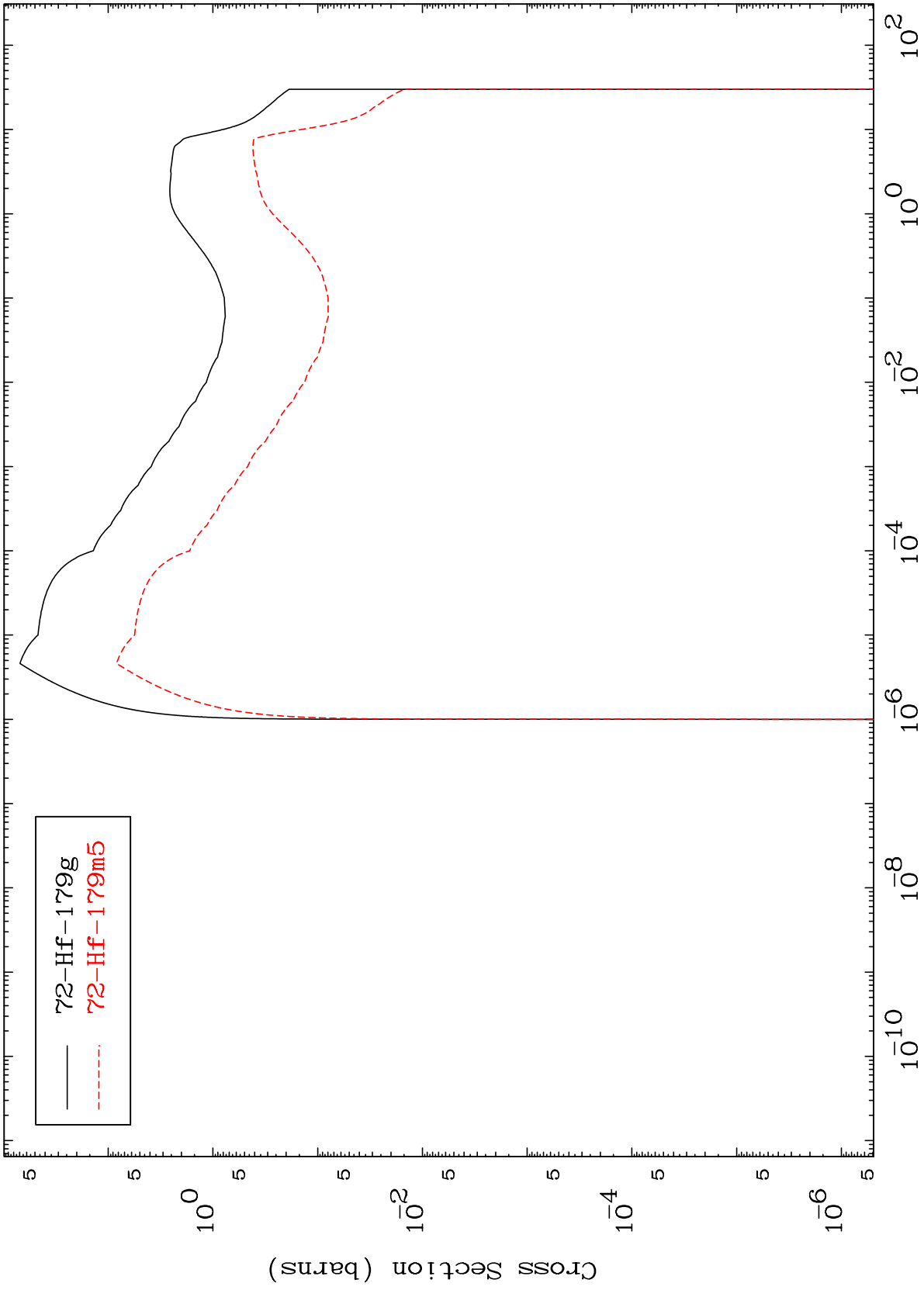
⁷²Hf-179n



MAT 7242

Inelastic
Radionuclide Production Cross Section

⁷²Hf-179n



15

Incident Energy (MeV)

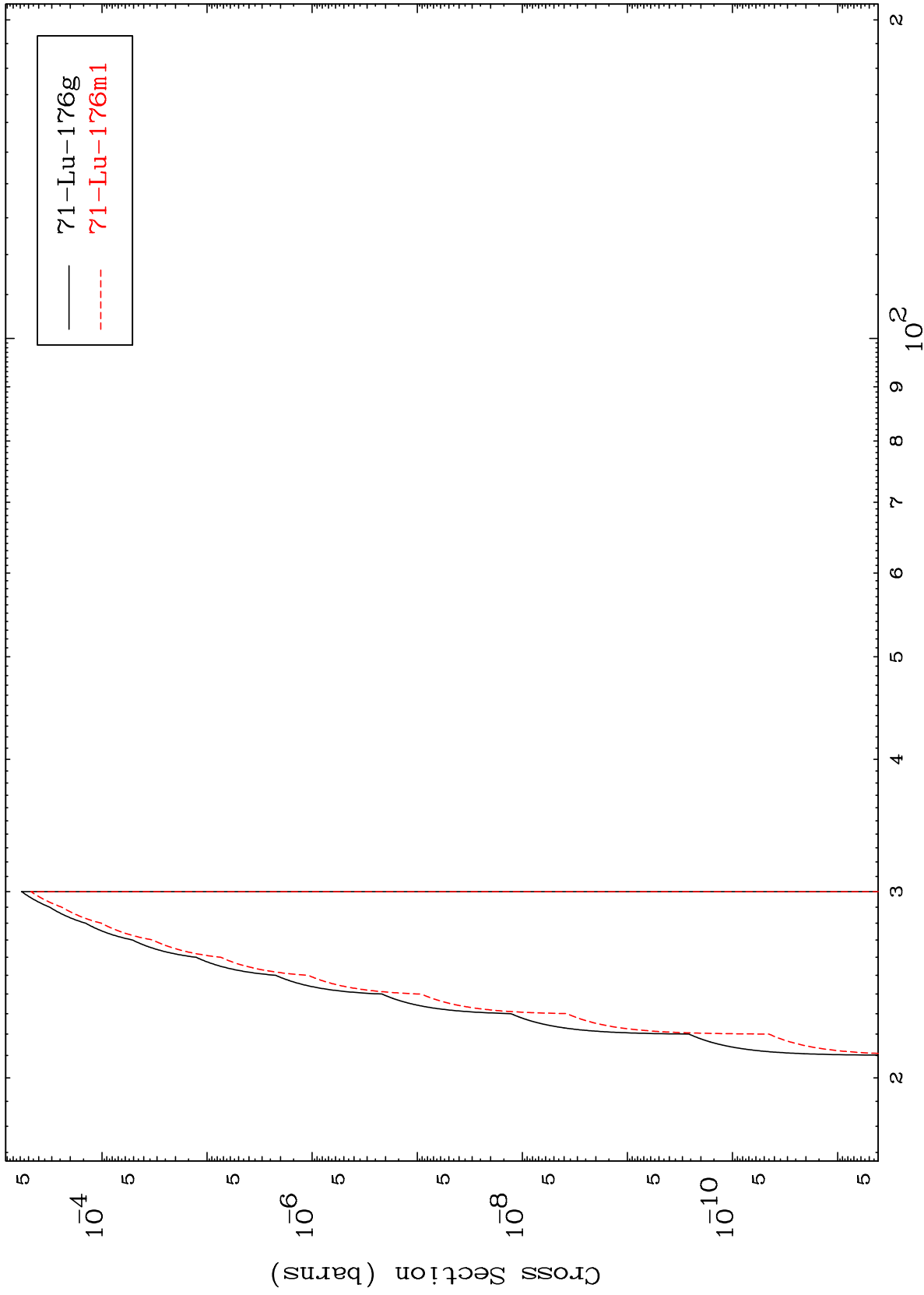
⁷²Hf-179n

MAT 7242

(n,2n) d

⁷²Hf-¹⁷⁹n

Radionuclide Production Cross Section



16

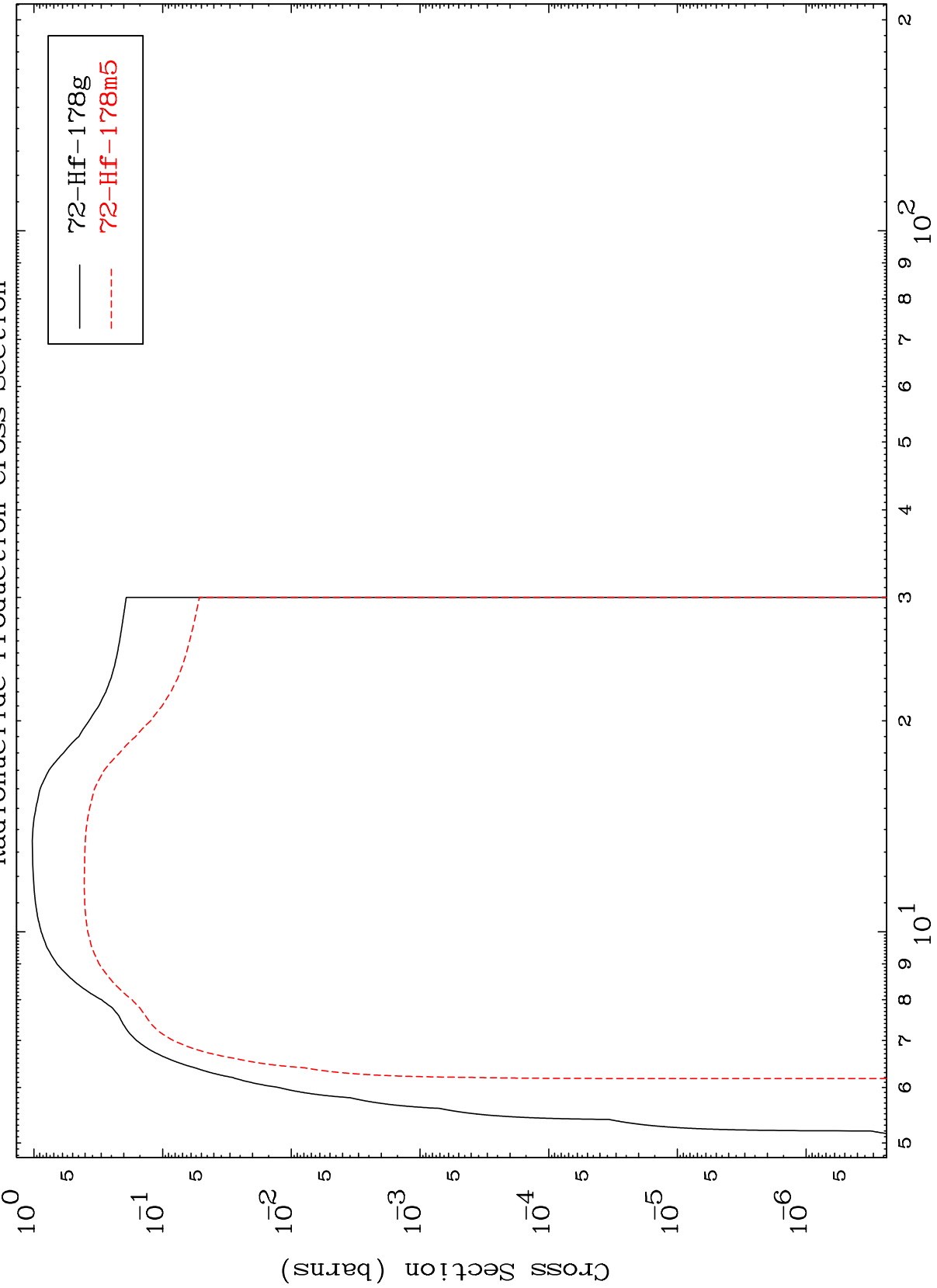
Incident Energy (MeV)

⁷²Hf-¹⁷⁹n

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

Radionuclide Production Cross Section



17

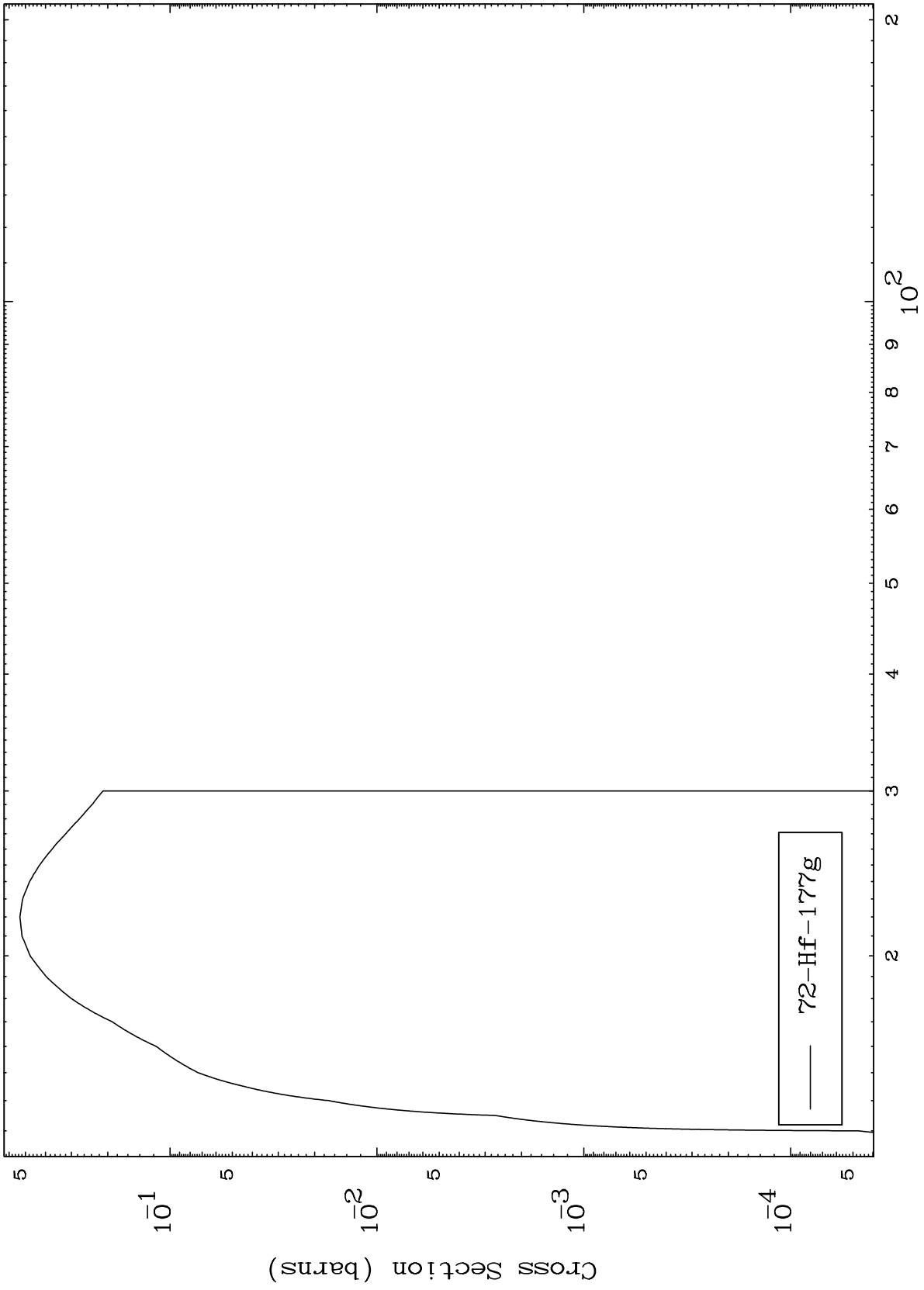
Incident Energy (MeV)

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

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72-Hf-179n

Radionuclide Production Cross Section
(n,3n)



18

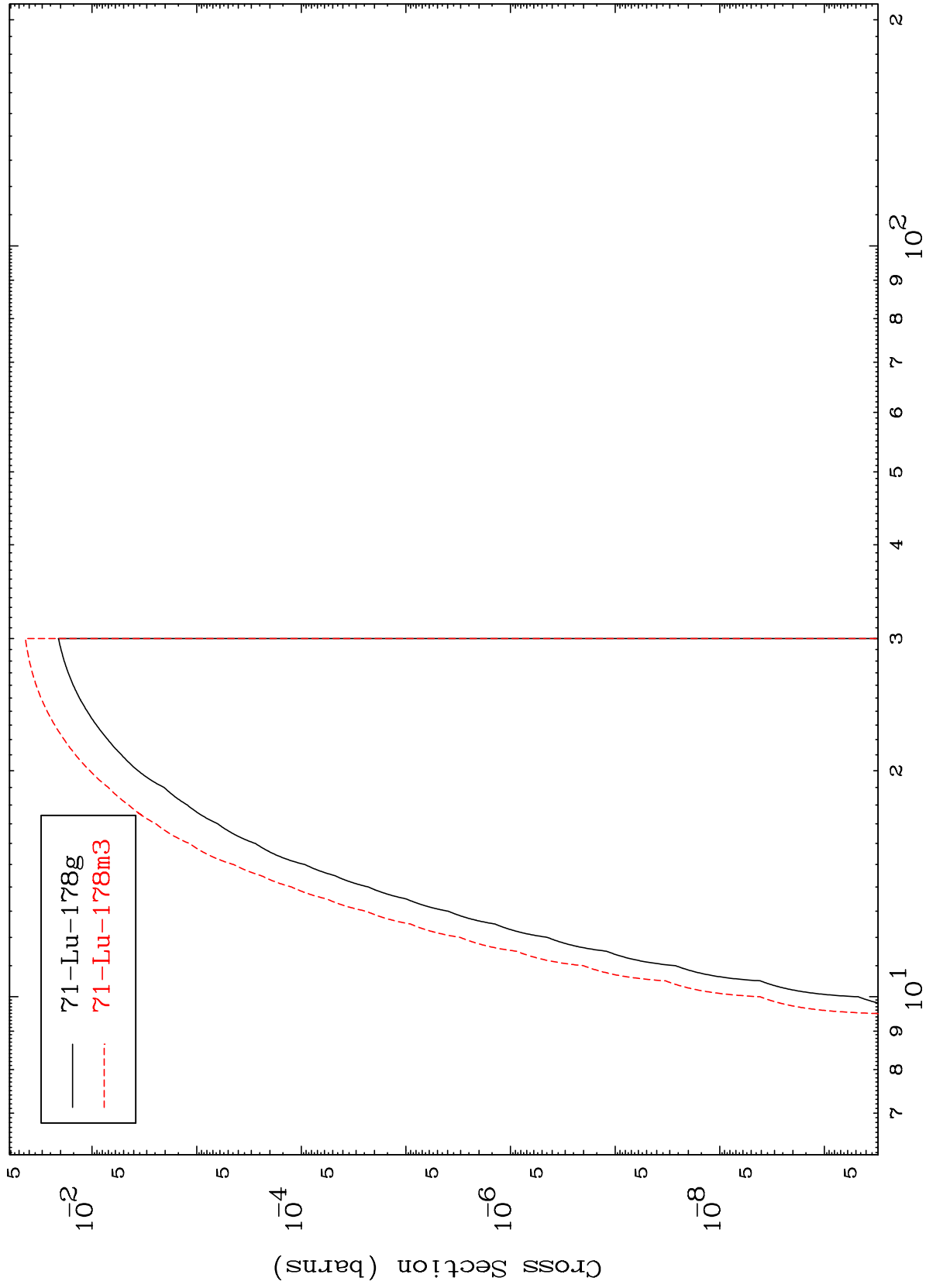
72-Hf-179n

MAT 7242

(n,n') p

⁷²Hf-¹⁷⁹n

Radionuclide Production Cross Section



19

Incident Energy (MeV)

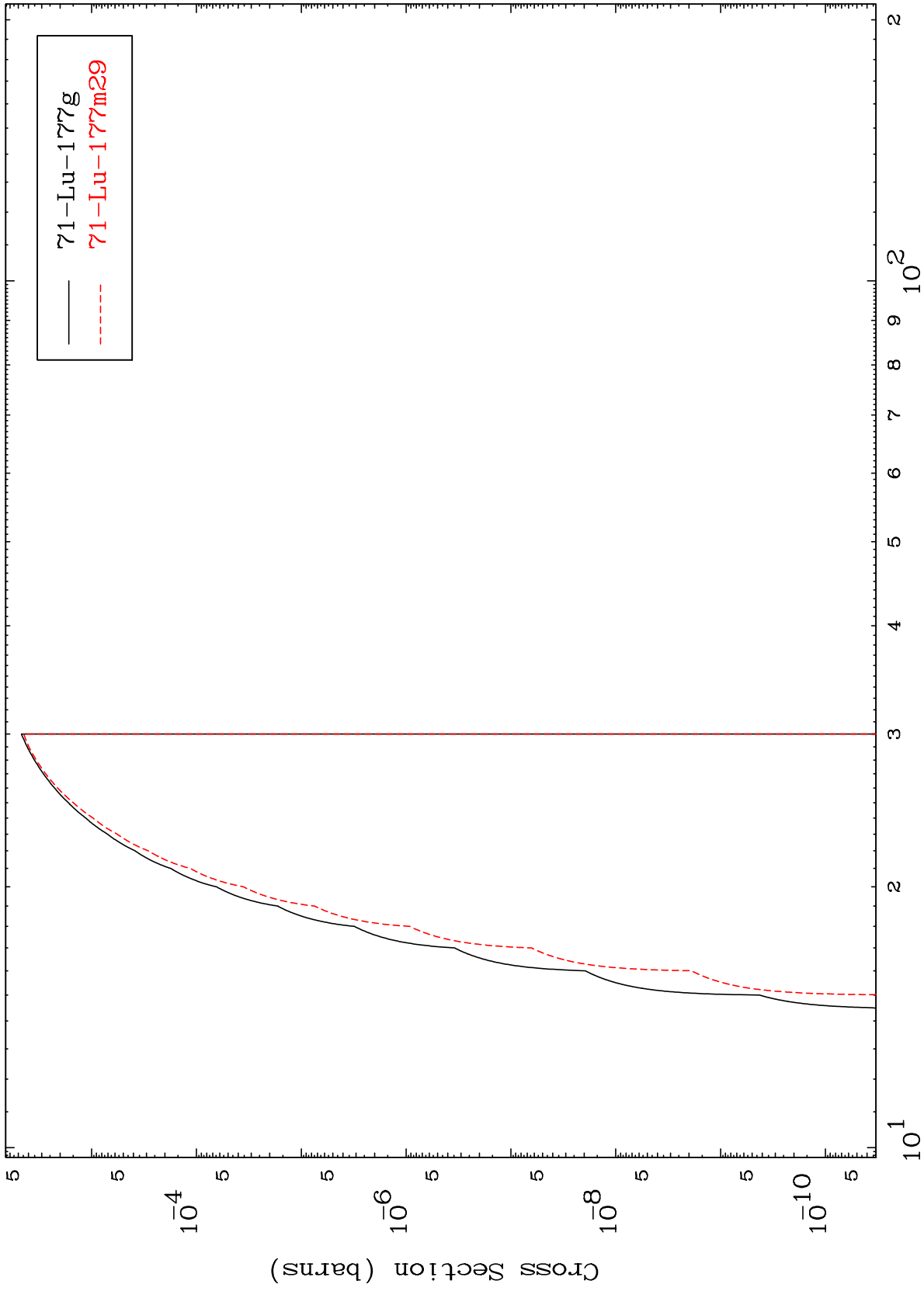
⁷²Hf-¹⁷⁹n

MAT 7242

(n,n') d

⁷²Hf-179n

Radionuclide Production Cross Section



Incident Energy (MeV)

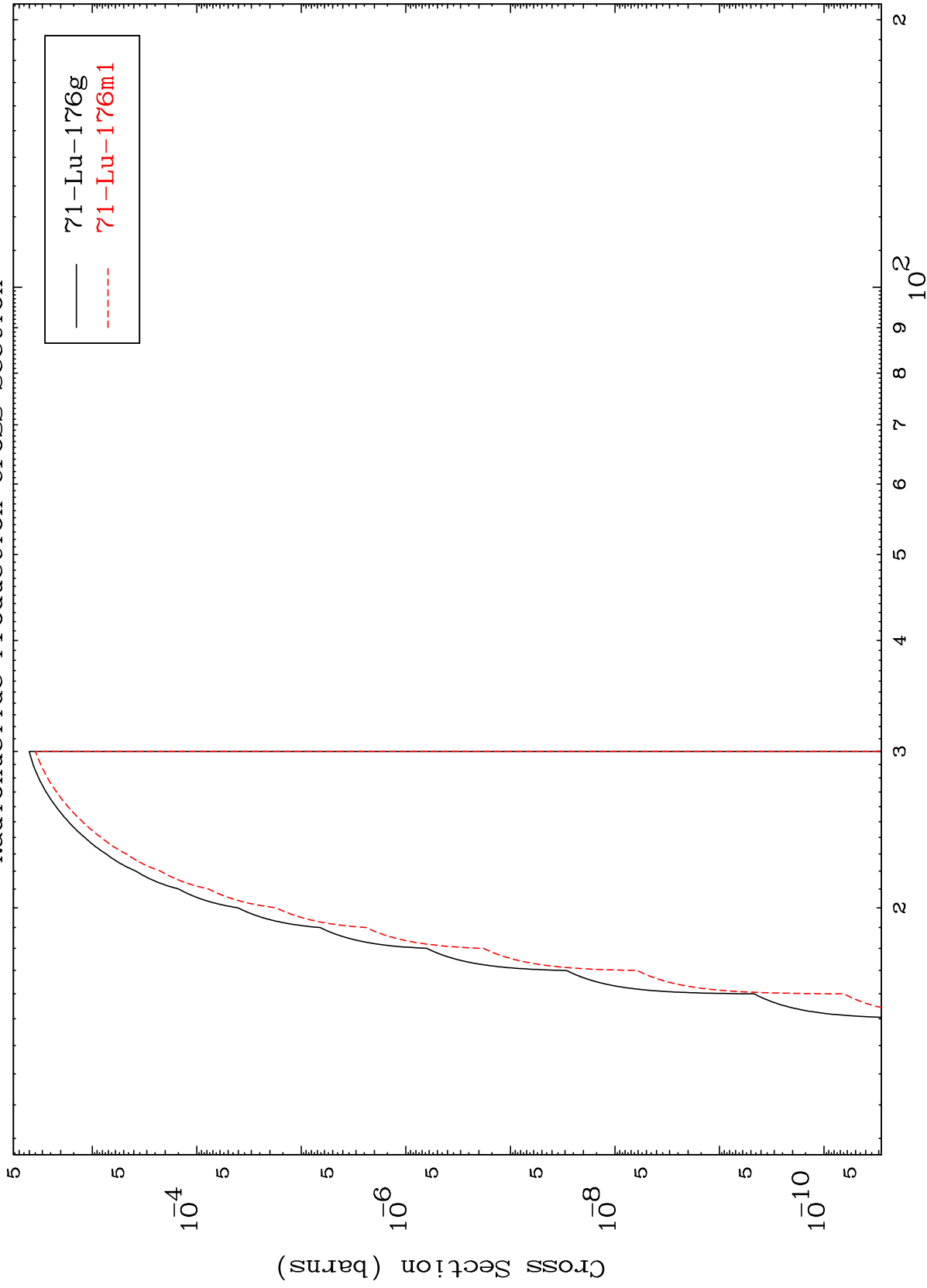
⁷²Hf-179n

MAT 7242

(n,n') t

⁷²Hf-179n

Radionuclide Production Cross Section



21

Incident Energy (MeV)

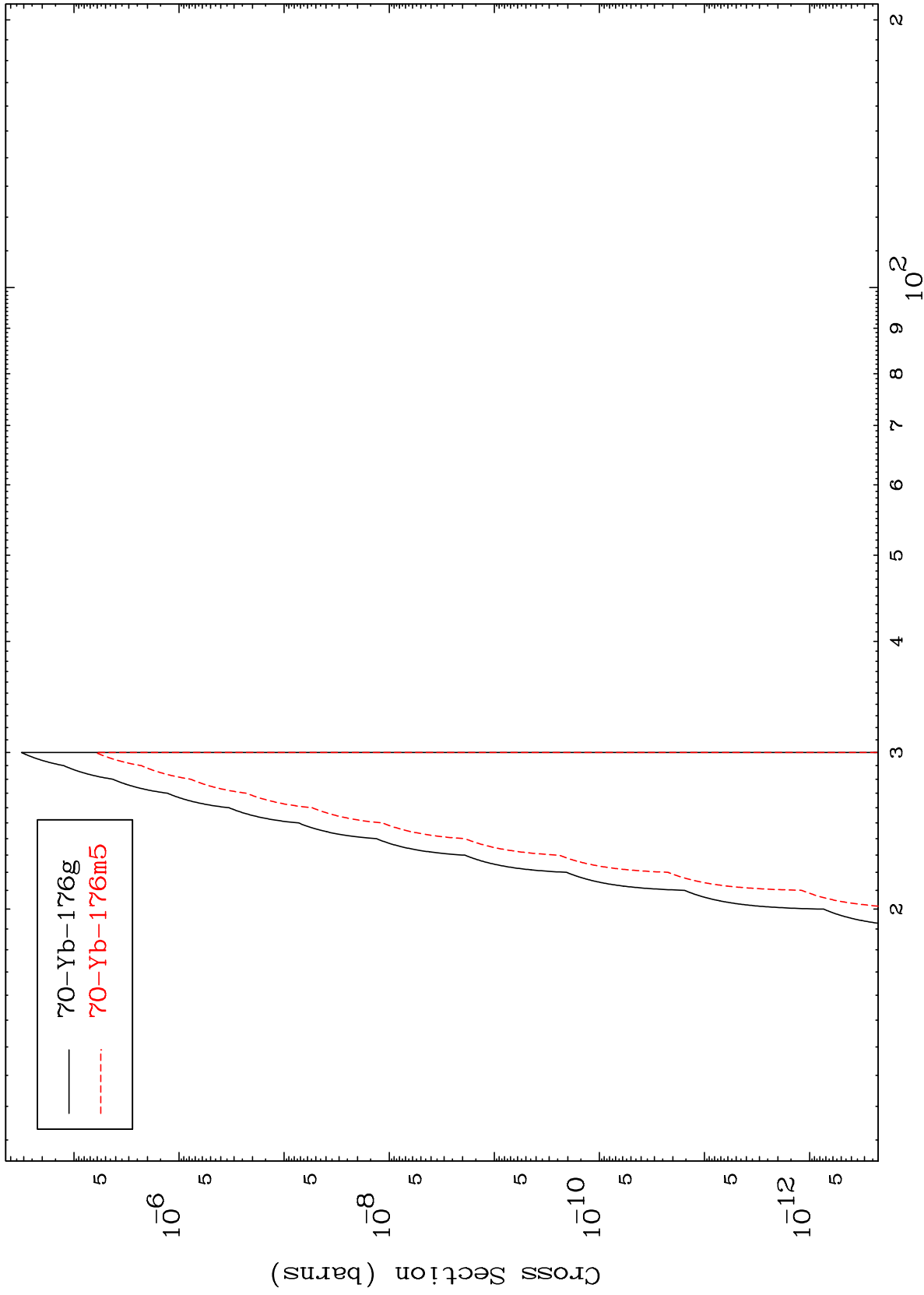
⁷²Hf-179n

MAT 7242

(n, n') He-3

⁷²Hf-179n

Radionuclide Production Cross Section



22

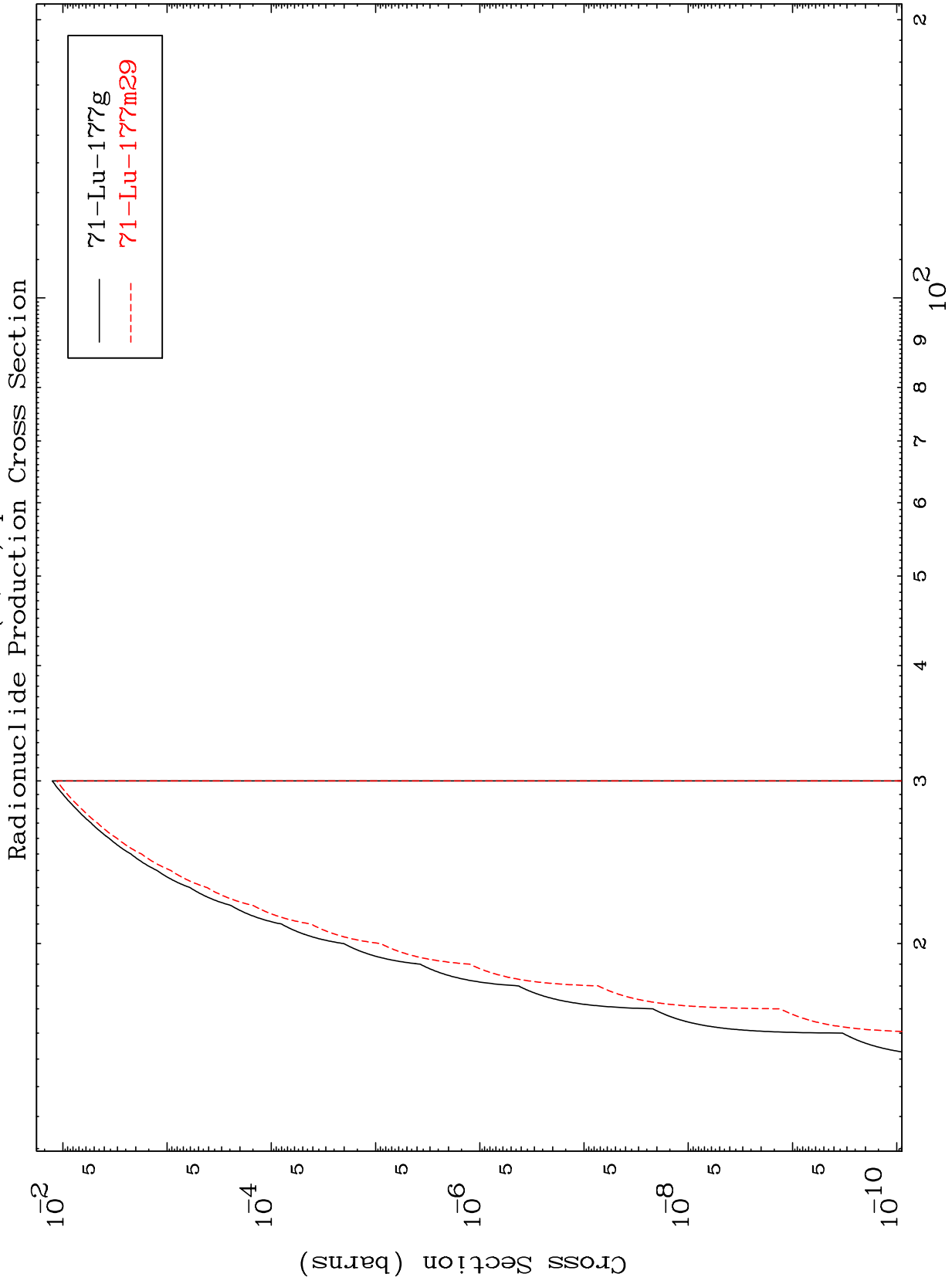
Incident Energy (MeV)

⁷²Hf-179n

MAT 7242

(n,2n) p

72-Hf-179n



23

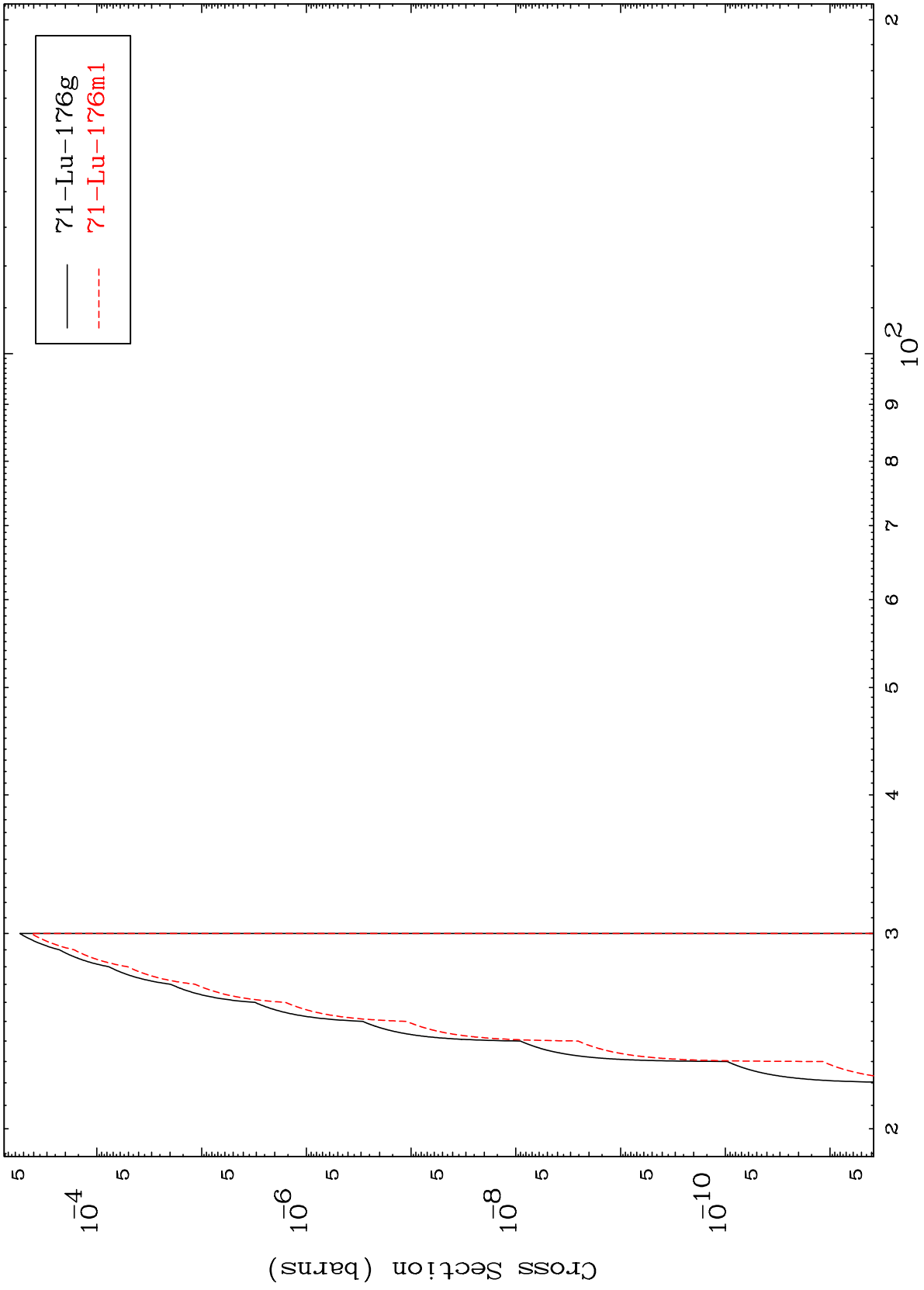
72-Hf-179n

MAT 7242

(n,3n) p

⁷²Hf-¹⁷⁹n

Radionuclide Production Cross Section



24

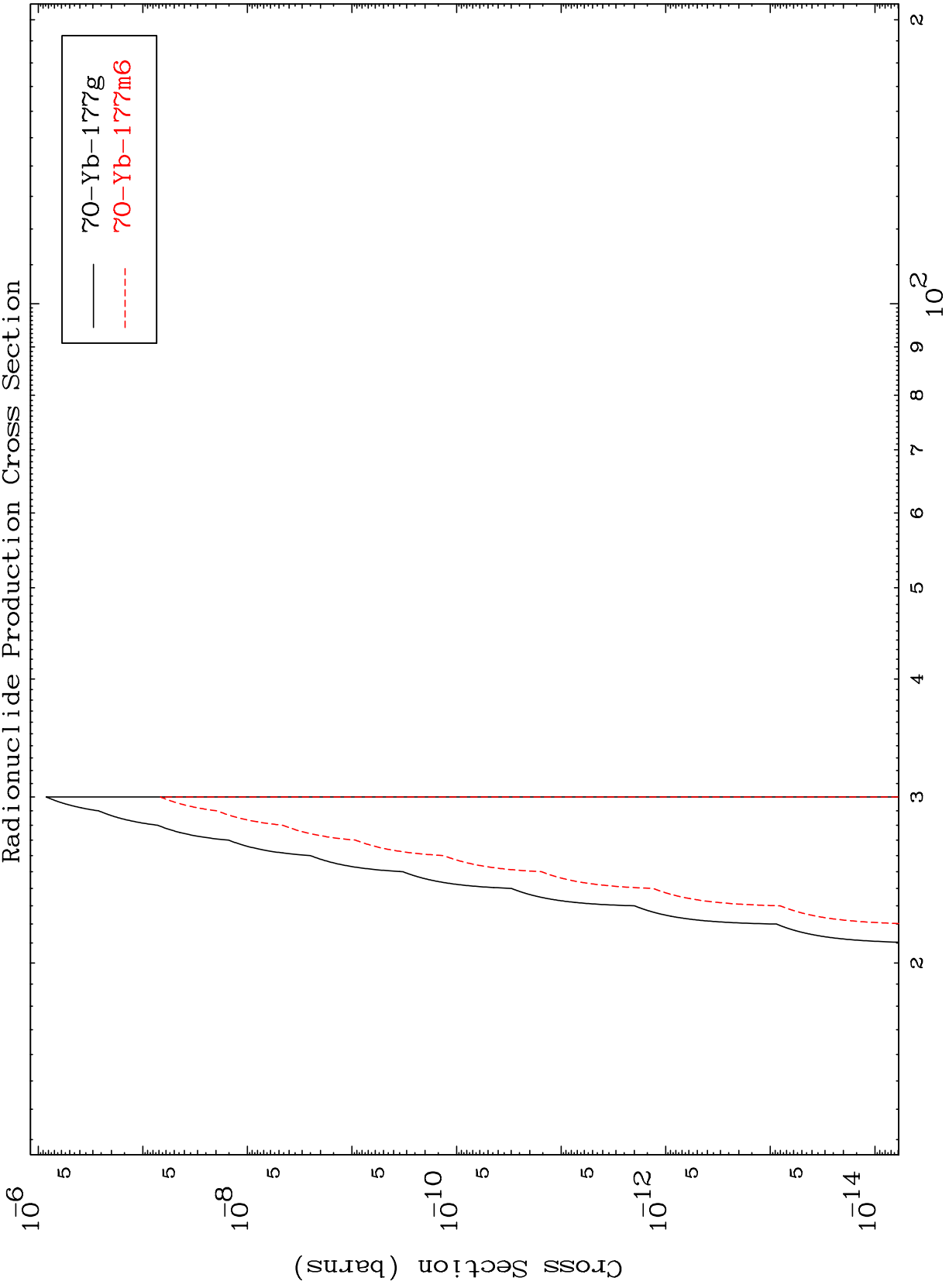
Incident Energy (MeV)

⁷²Hf-¹⁷⁹n

MAT 7242

72-Hf-179n

(n,2n) p
Radionuclide Production Cross Section



25

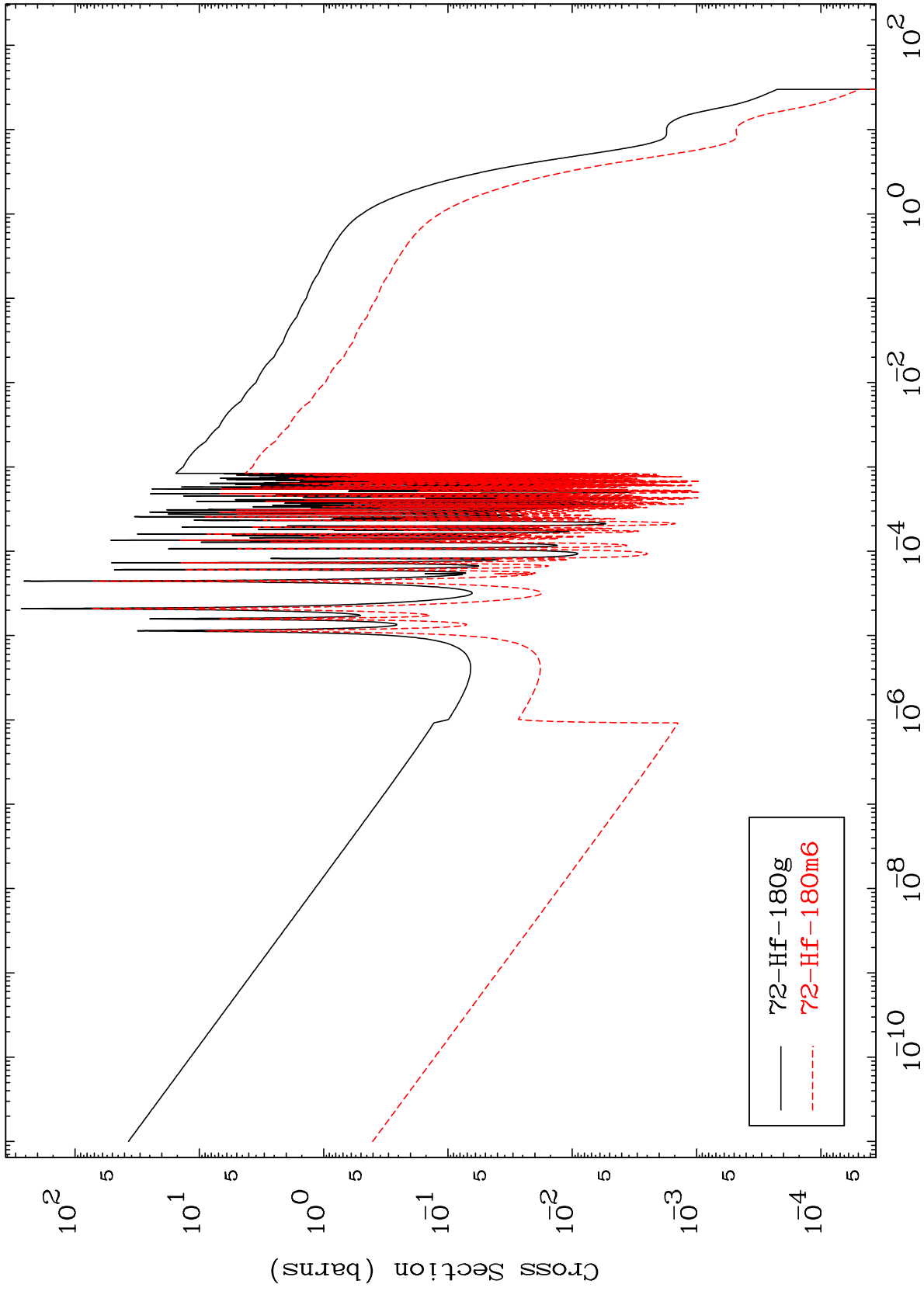
72-Hf-179n

MAT 7242

⁷²Hf-179n

Radionuclide Production Cross Section

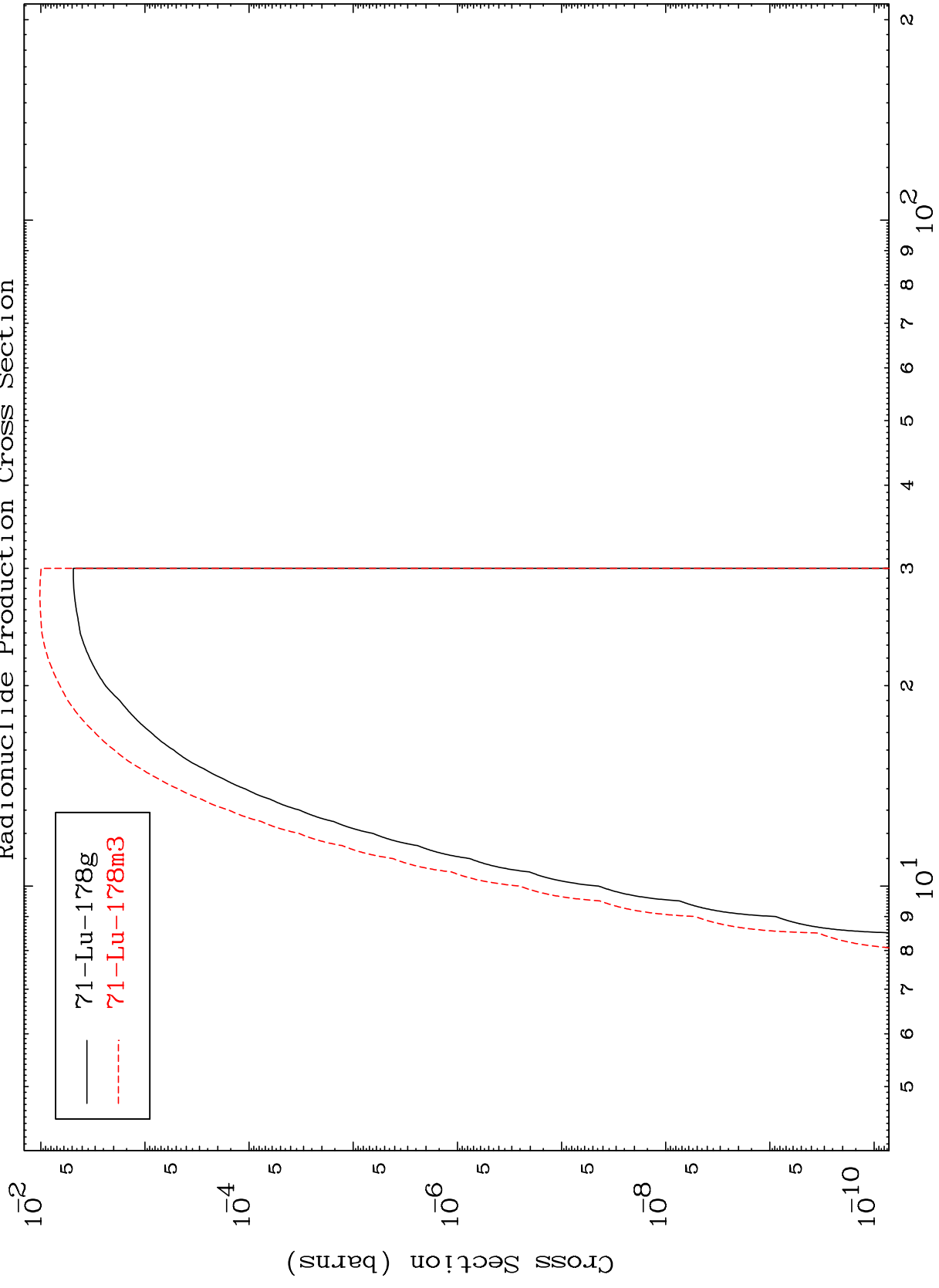
(n,γ)



MAT 7242

⁷²Hf-179n

Radionuclide Production Cross Section (n,d)

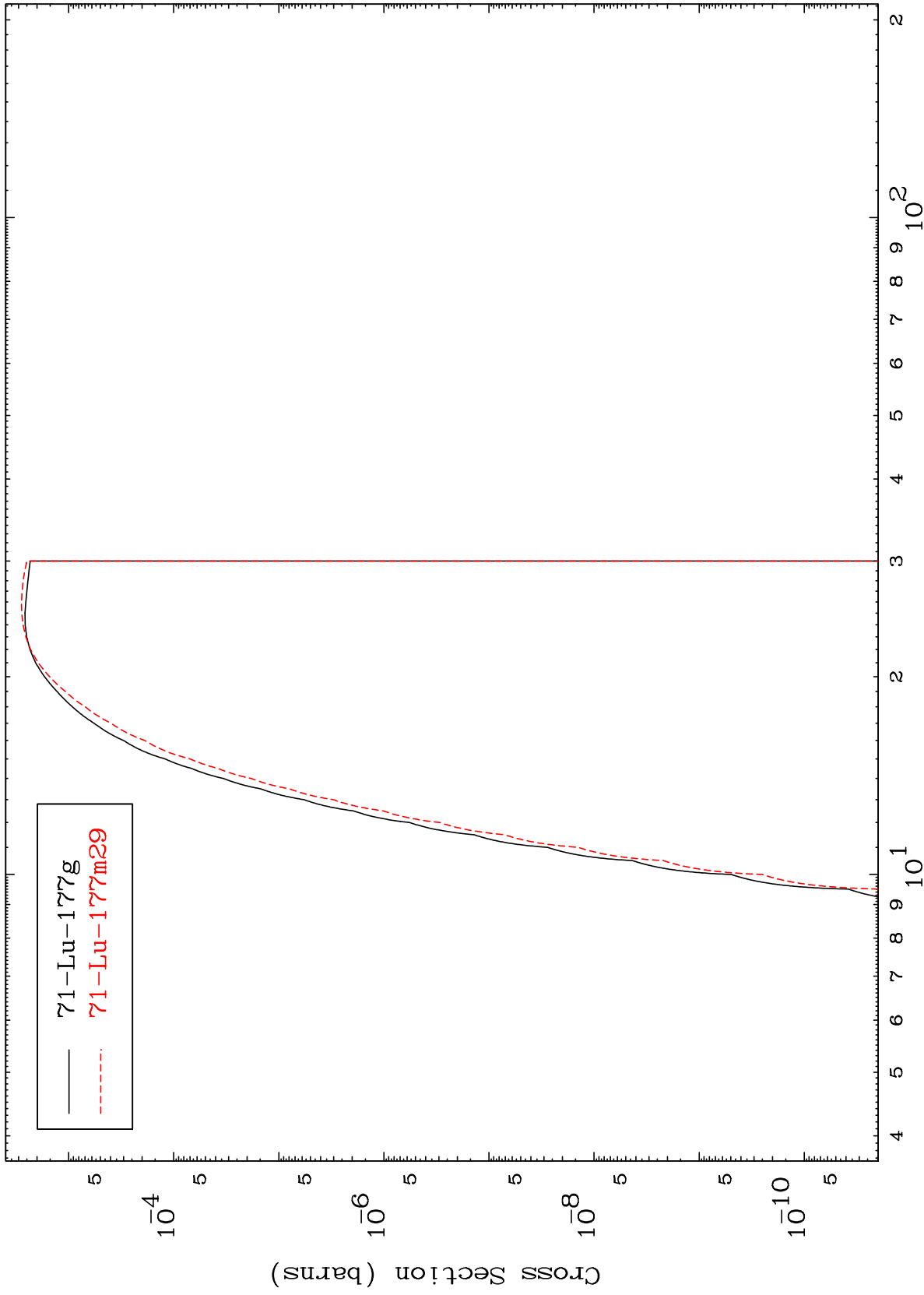


— ⁷¹Lu-178g
- - - ⁷¹Lu-178m3

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72-Hf-179n

Radionuclide Production Cross Section



28

Incident Energy (MeV)

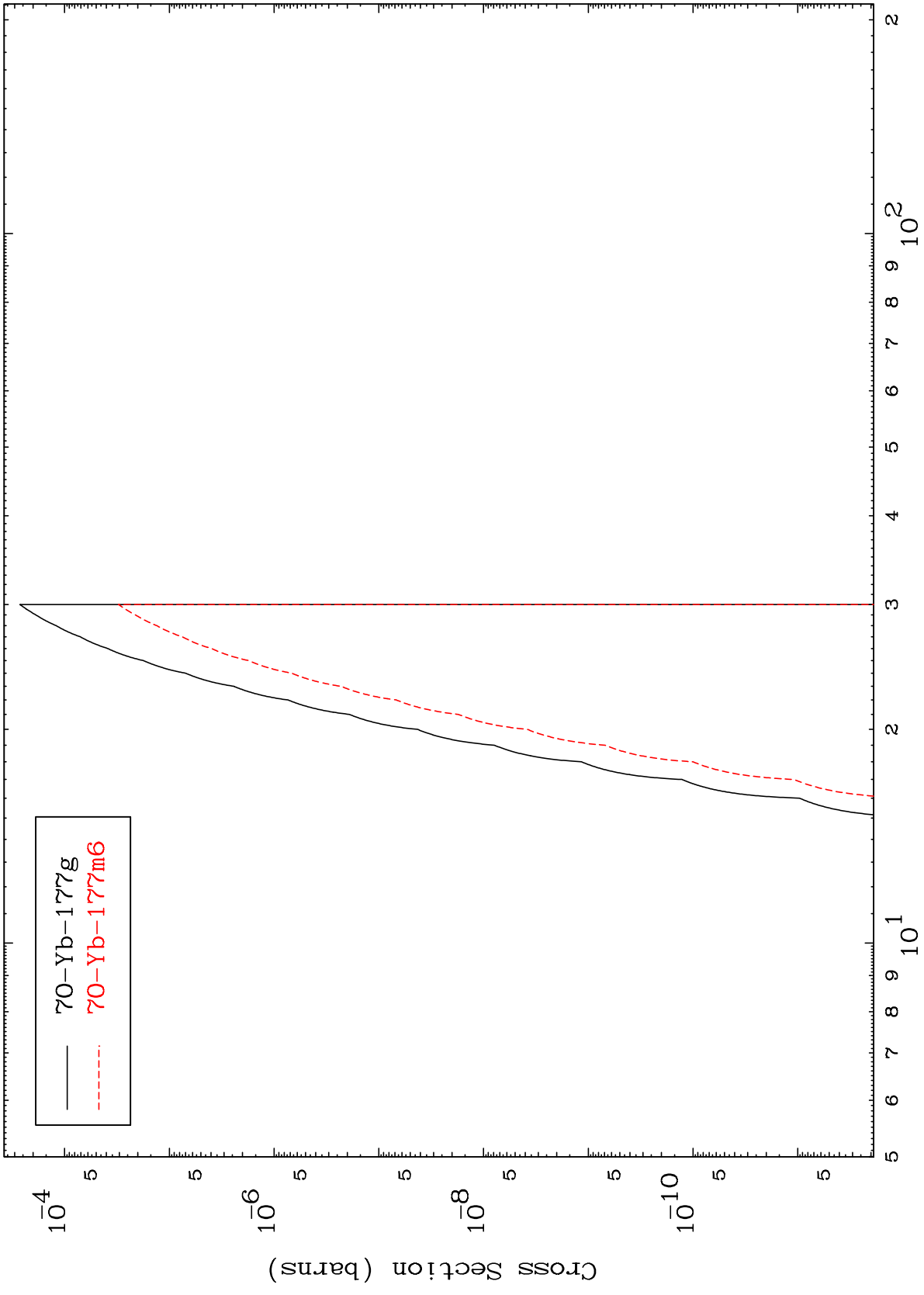
72-Hf-179n

MAT 7242

(n, He-3)

⁷²Hf-179n

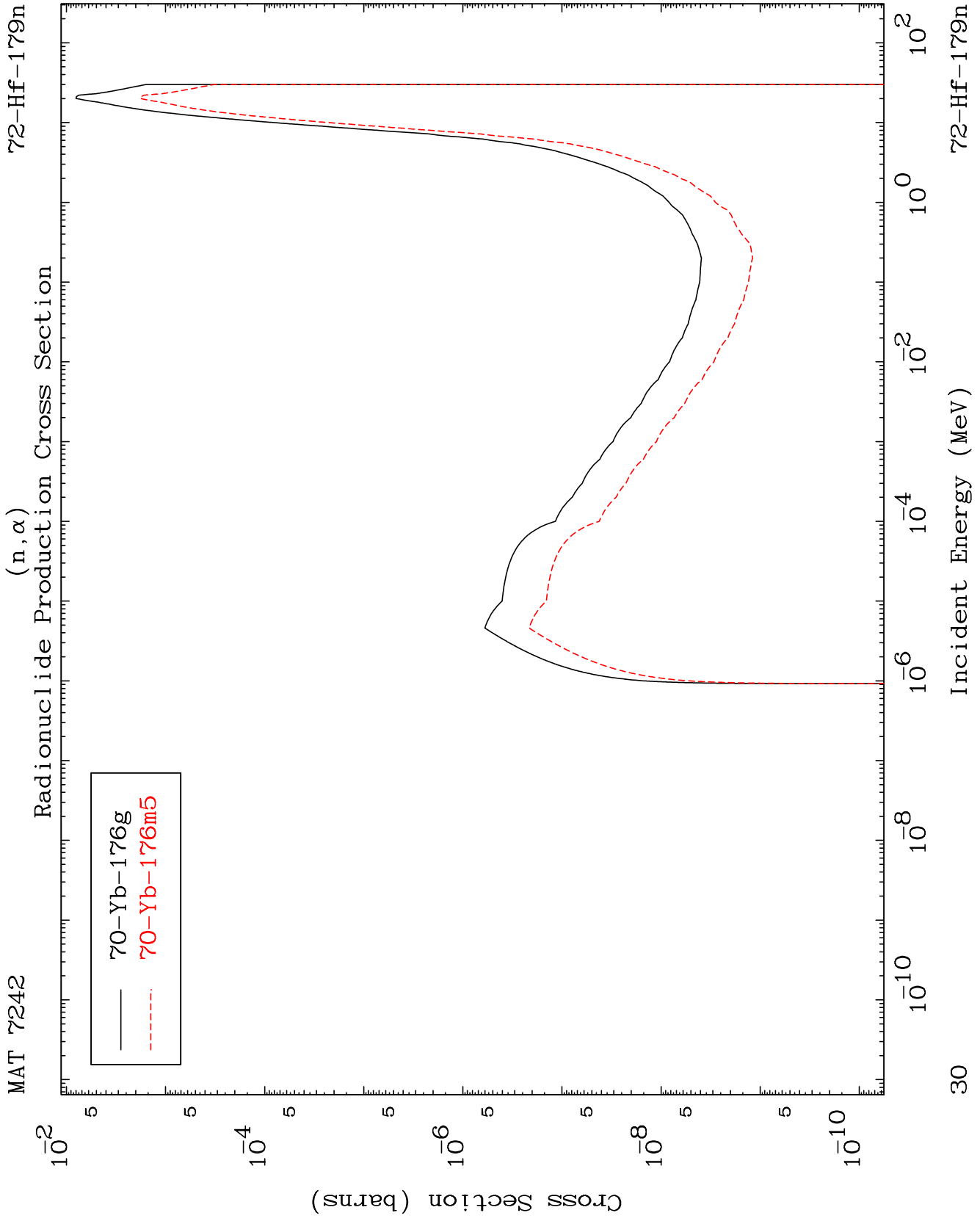
Radionuclide Production Cross Section



29

Incident Energy (MeV)

⁷²Hf-179n



MAT 7242

(n,p) d

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

Radionuclide Production Cross Section

