

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

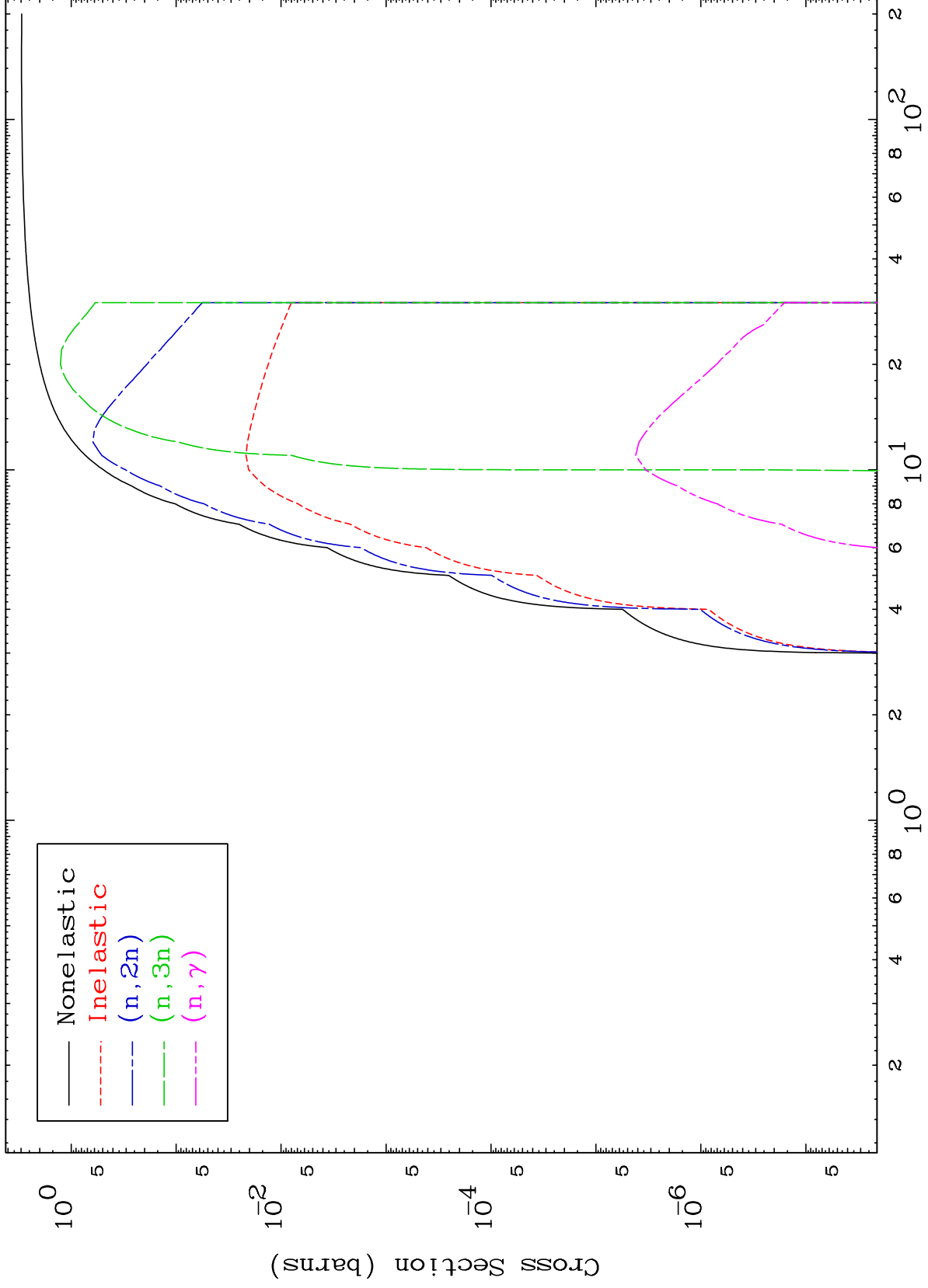
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7242

Deuteron Major
0 Kelvin Cross Sections

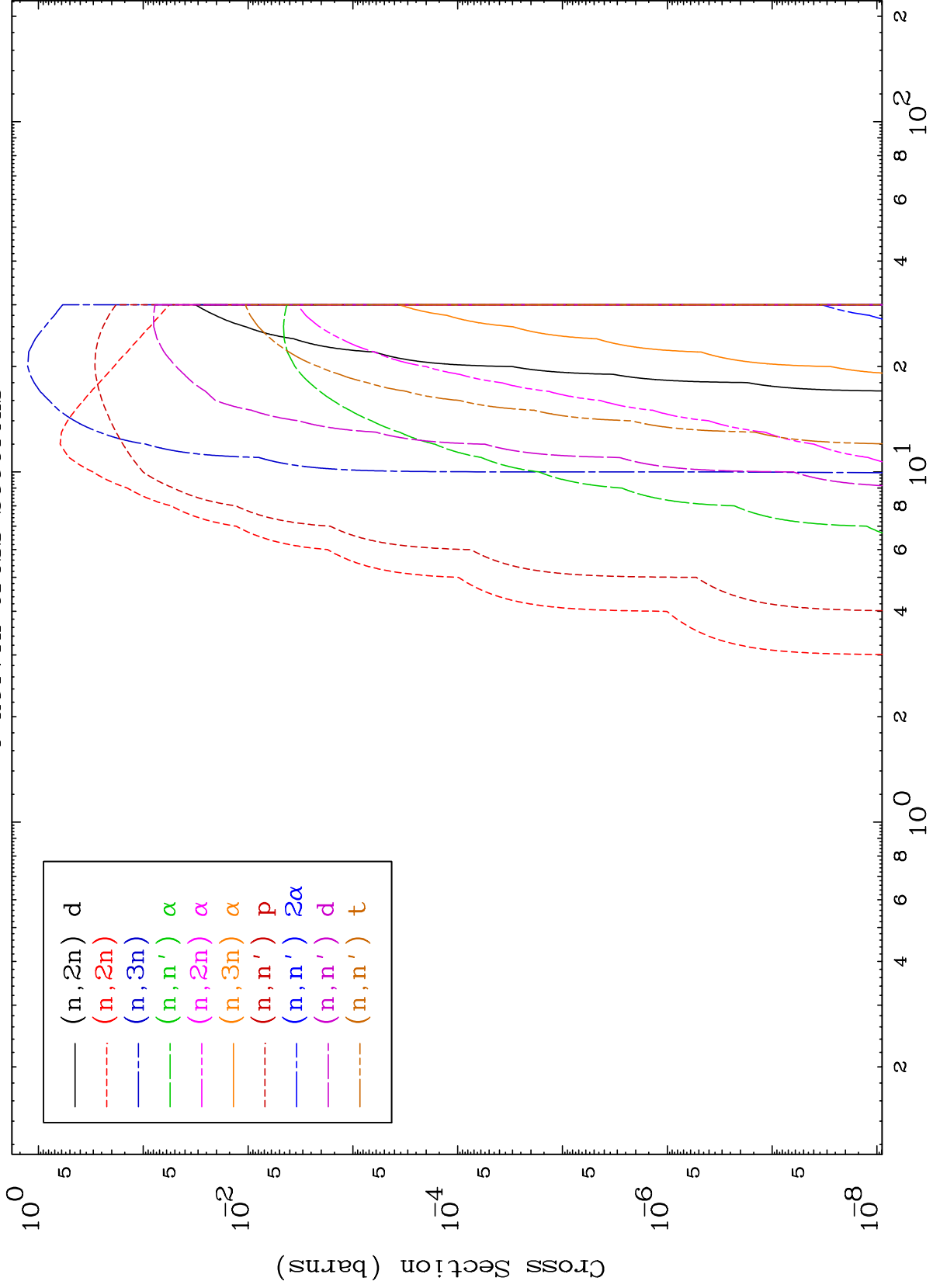
⁷²Hf-179n



MAT 7242

Deuteron Neutron Absorption
0 Kelvin Cross Sections

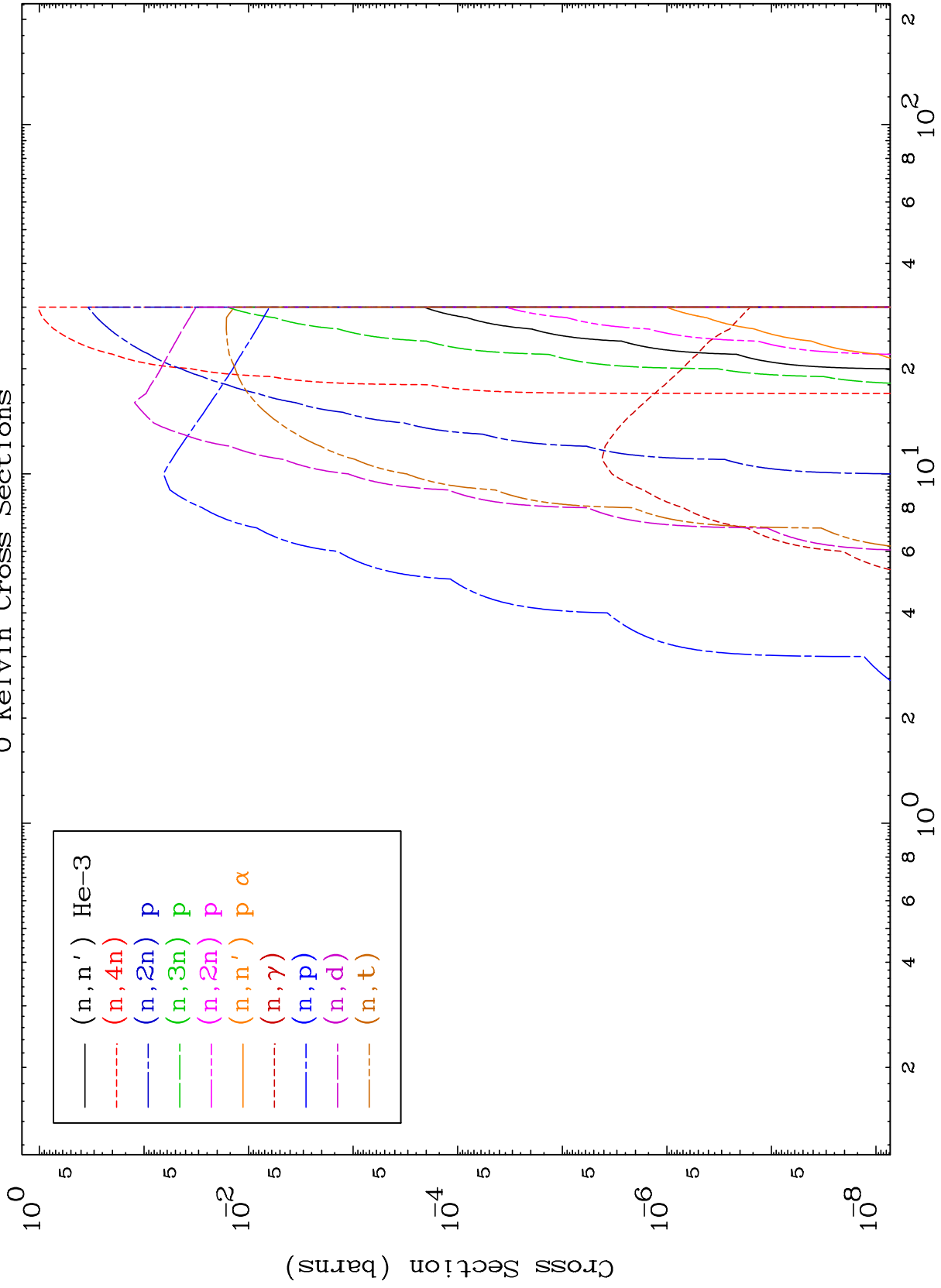
⁷²Hf-179n



MAT 7242

Deuteron Neutron Absorption
0 Kelvin Cross Sections

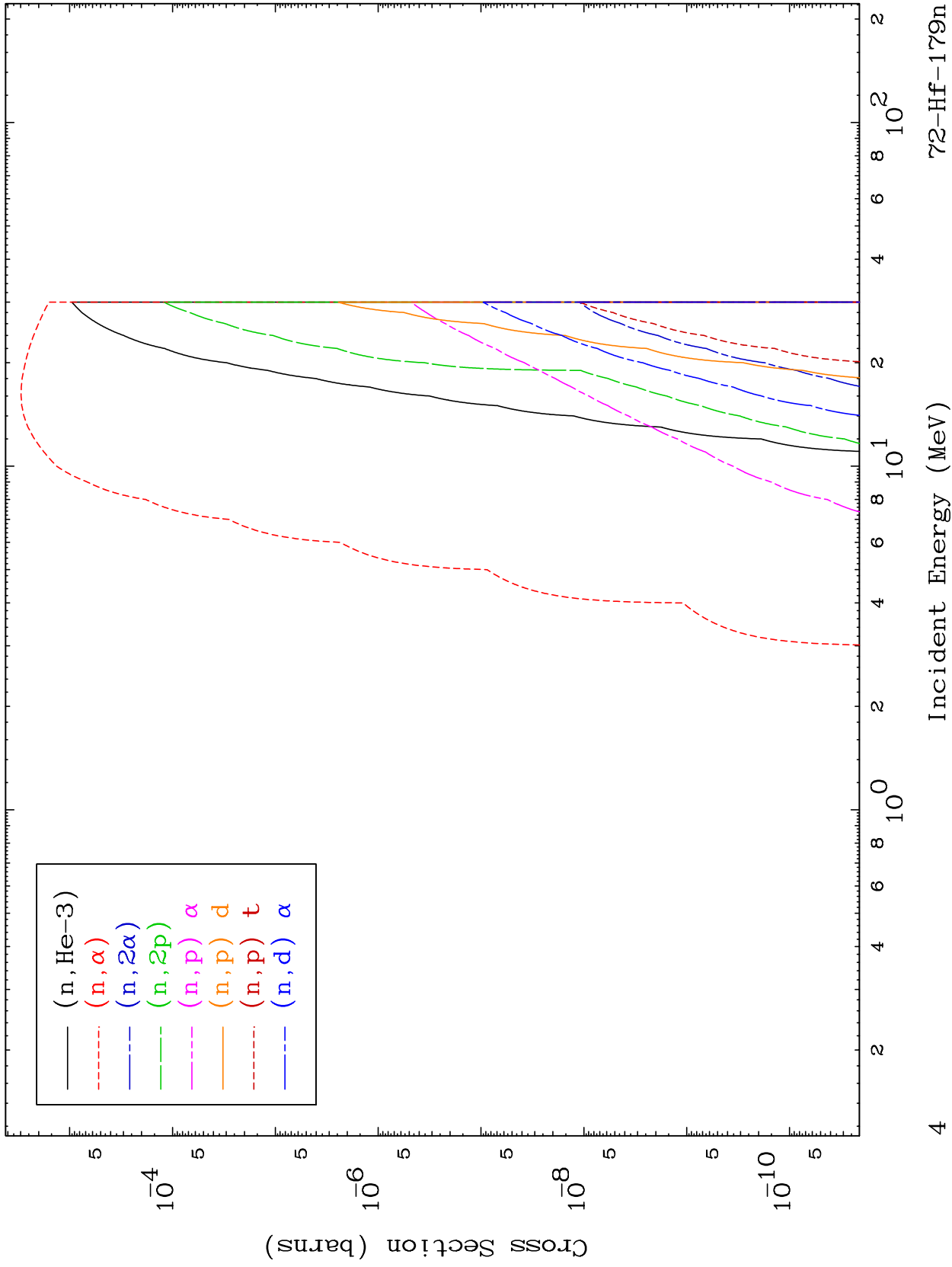
⁷²Hf-179n

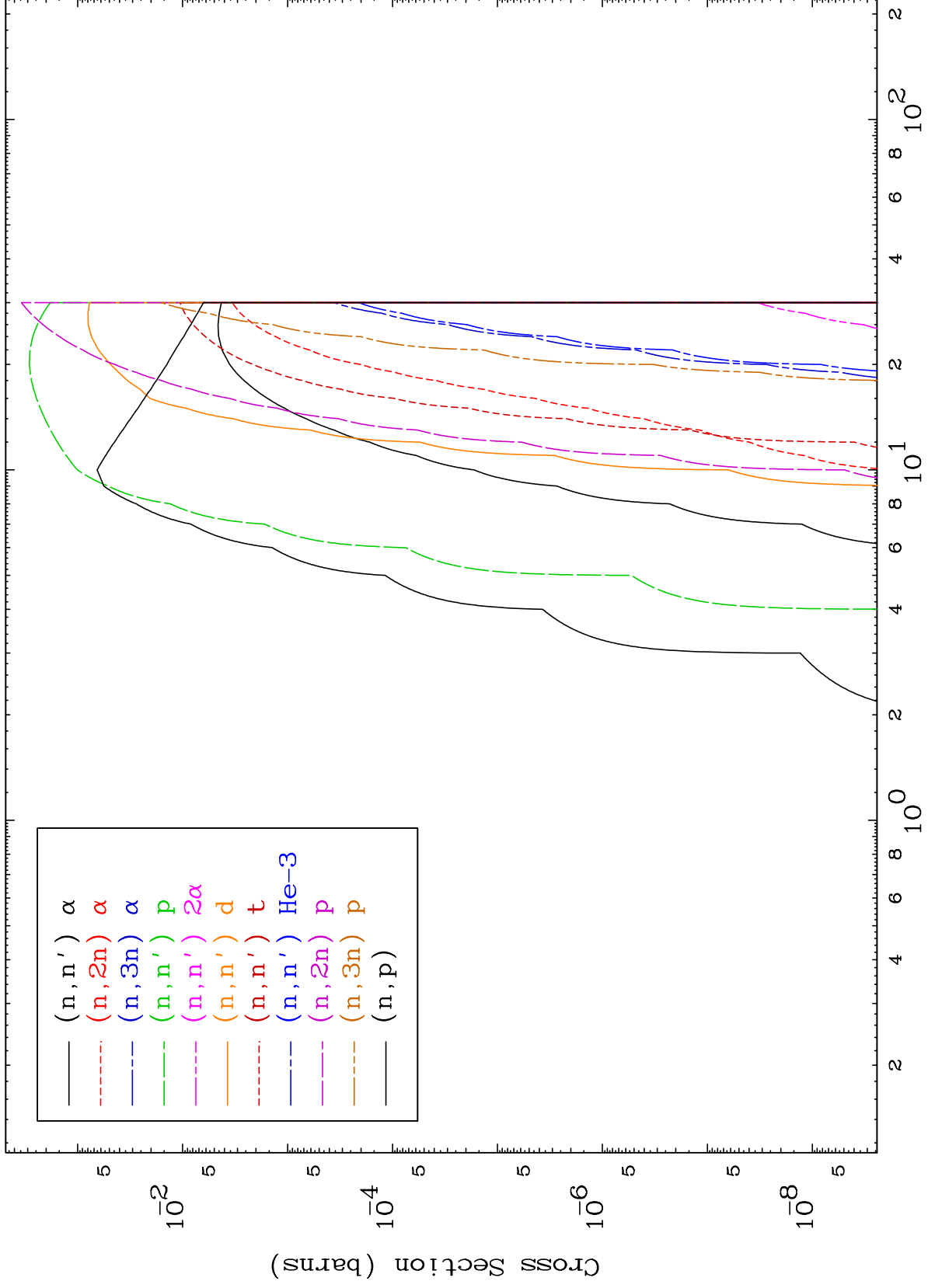


MAT 7242

Deuteron Neutron Absorption
0 Kelvin Cross Sections

⁷²Hf-179n

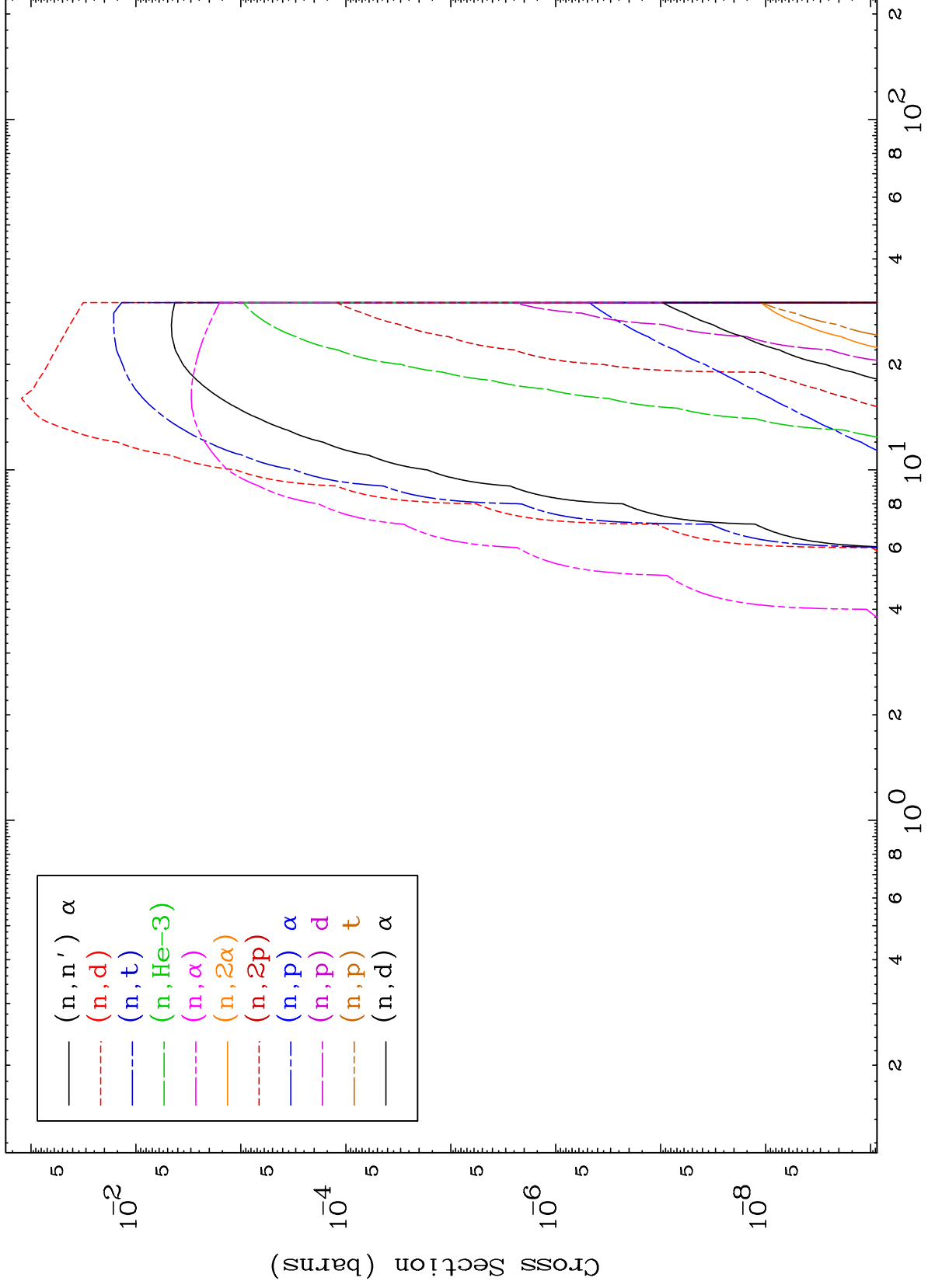




MAT 7242

Deuteron Charged Particle
0 Kelvin Cross Sections

⁷²Hf-179n

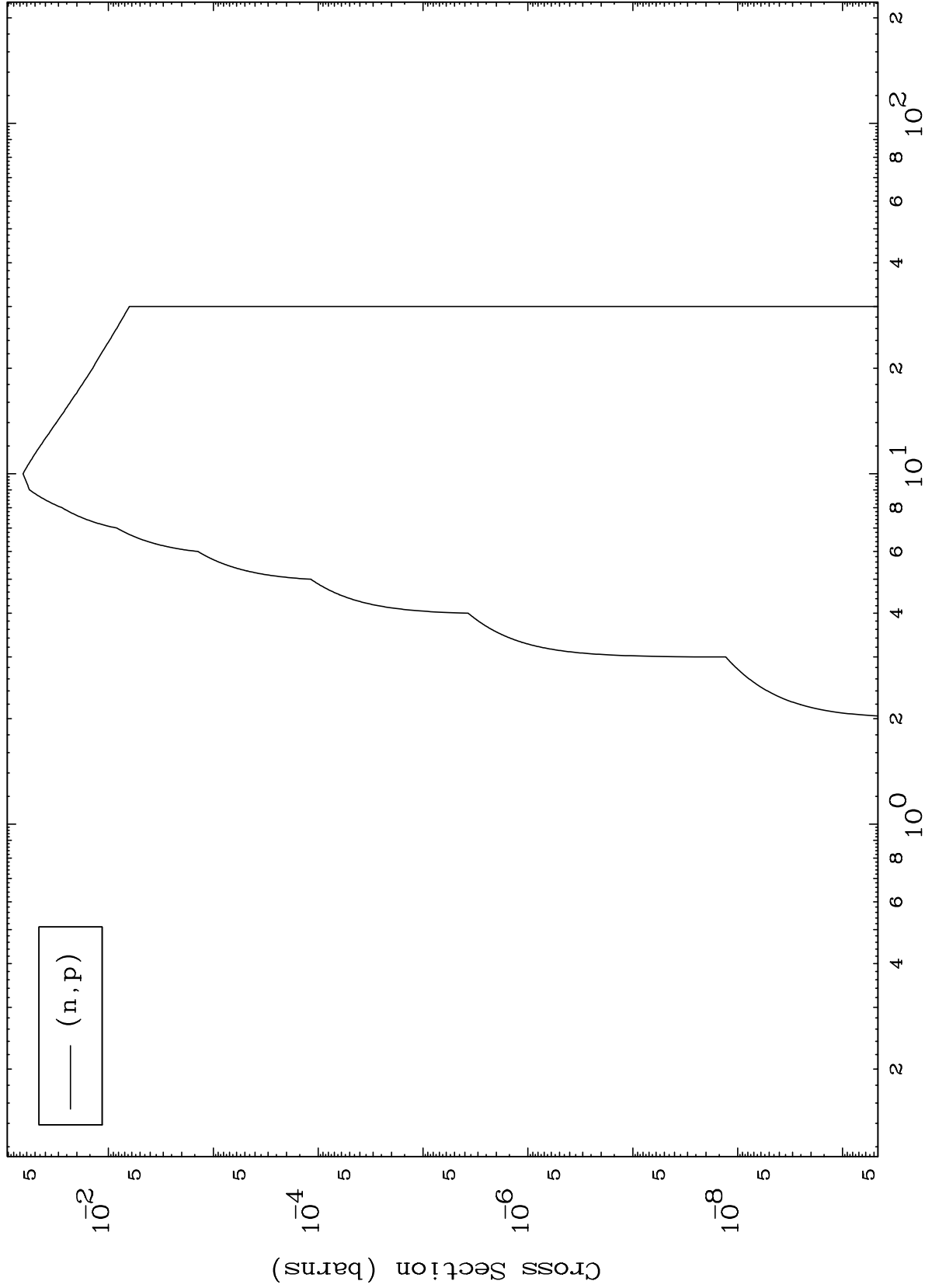


MAT 7242

(d,p) Levels

⁷²Hf-179n

0 Kelvin Cross Sections

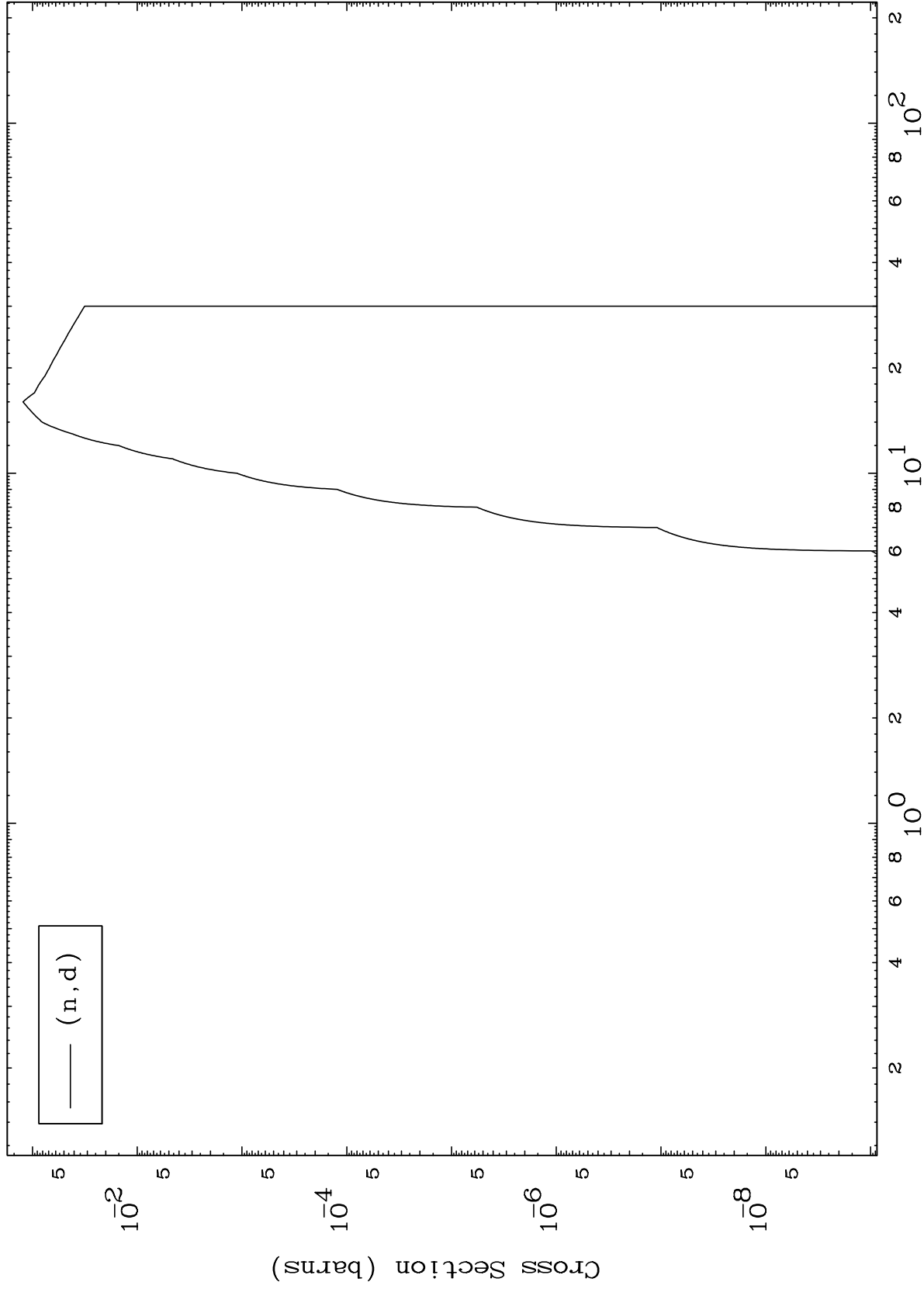


MAT 7242

(d,d) Levels

⁷²Hf-179n

0 Kelvin Cross Sections



(n,d)

Incident Energy (MeV)

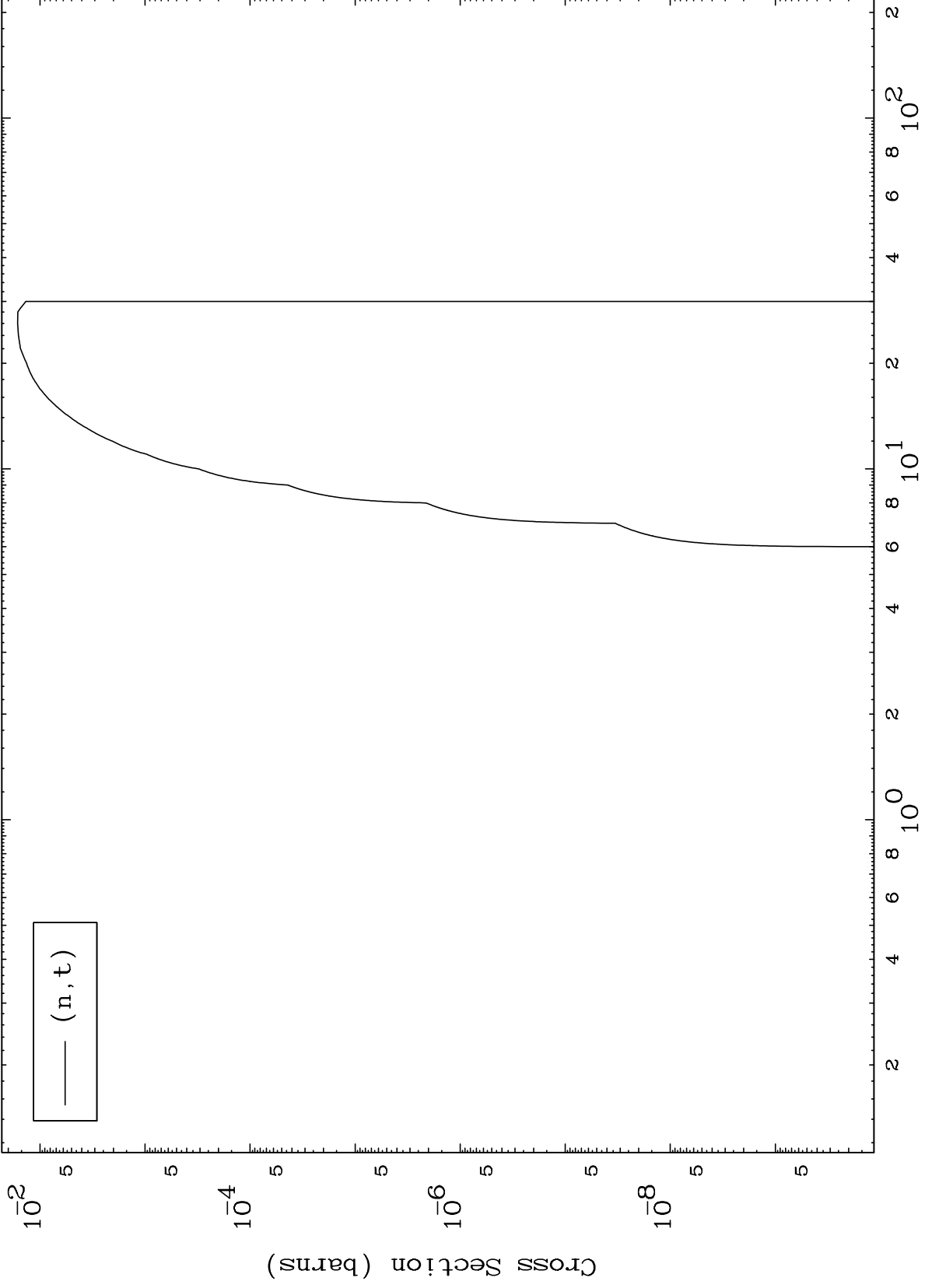
⁷²Hf-179n

MAT 7242

(d, t) Levels

⁷²Hf-179n

0 Kelvin Cross Sections

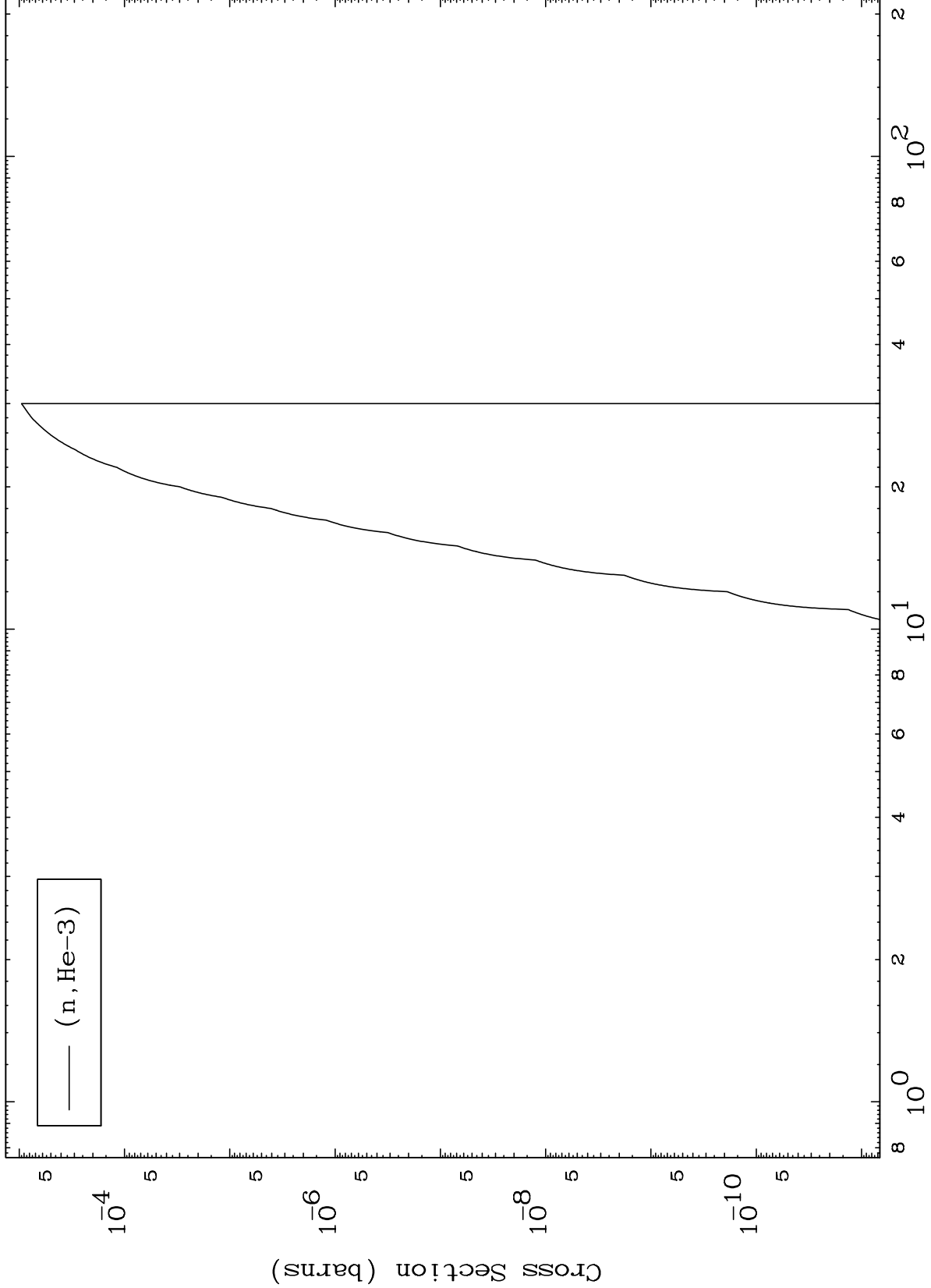


MAT 7242

(d,He3) Levels

⁷²Hf-¹⁷⁹n

0 Kelvin Cross Sections



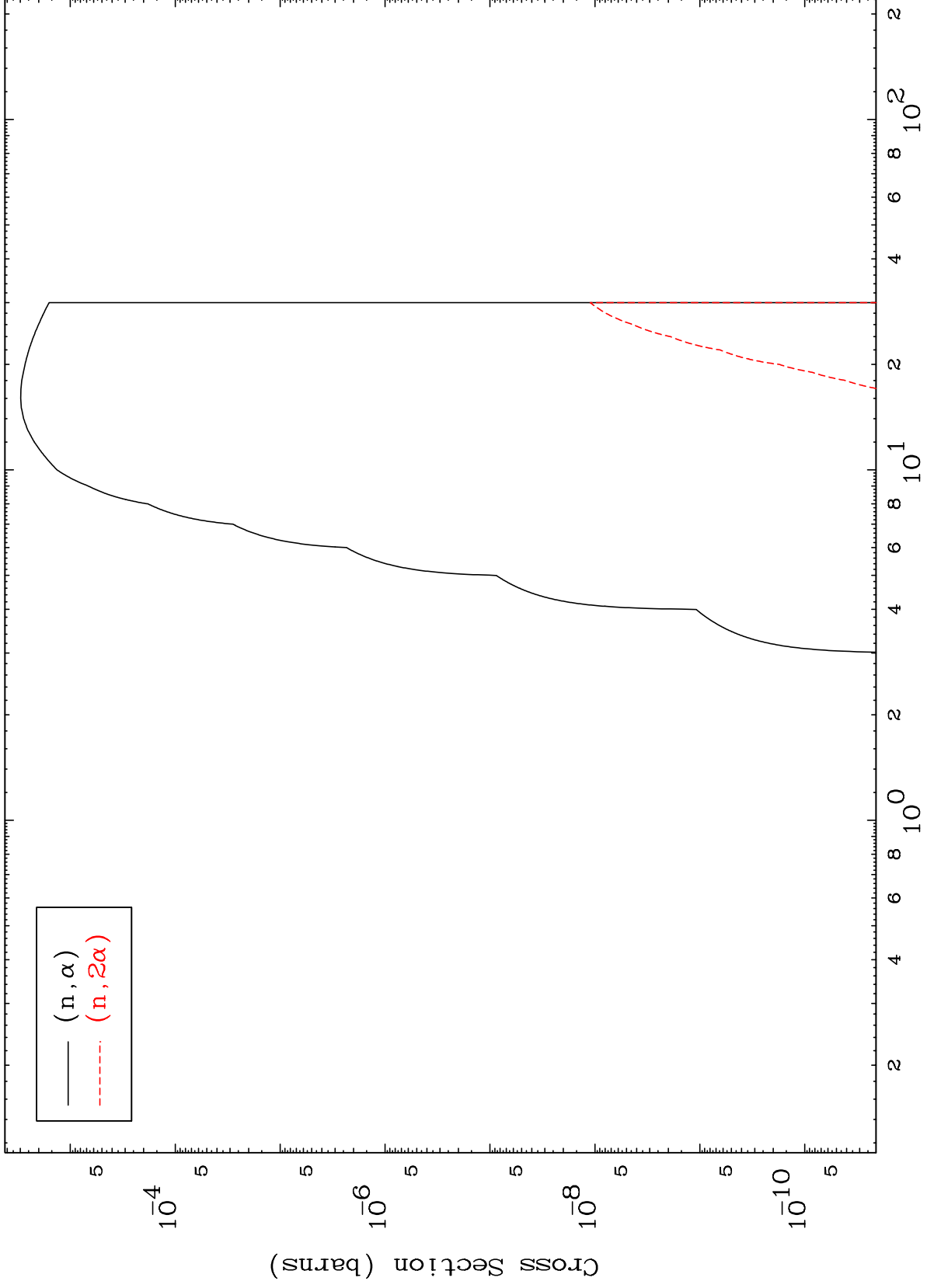
Incident Energy (MeV)

⁷²Hf-¹⁷⁹n

MAT 7242

(d, α) Levels
0 Kelvin Cross Sections

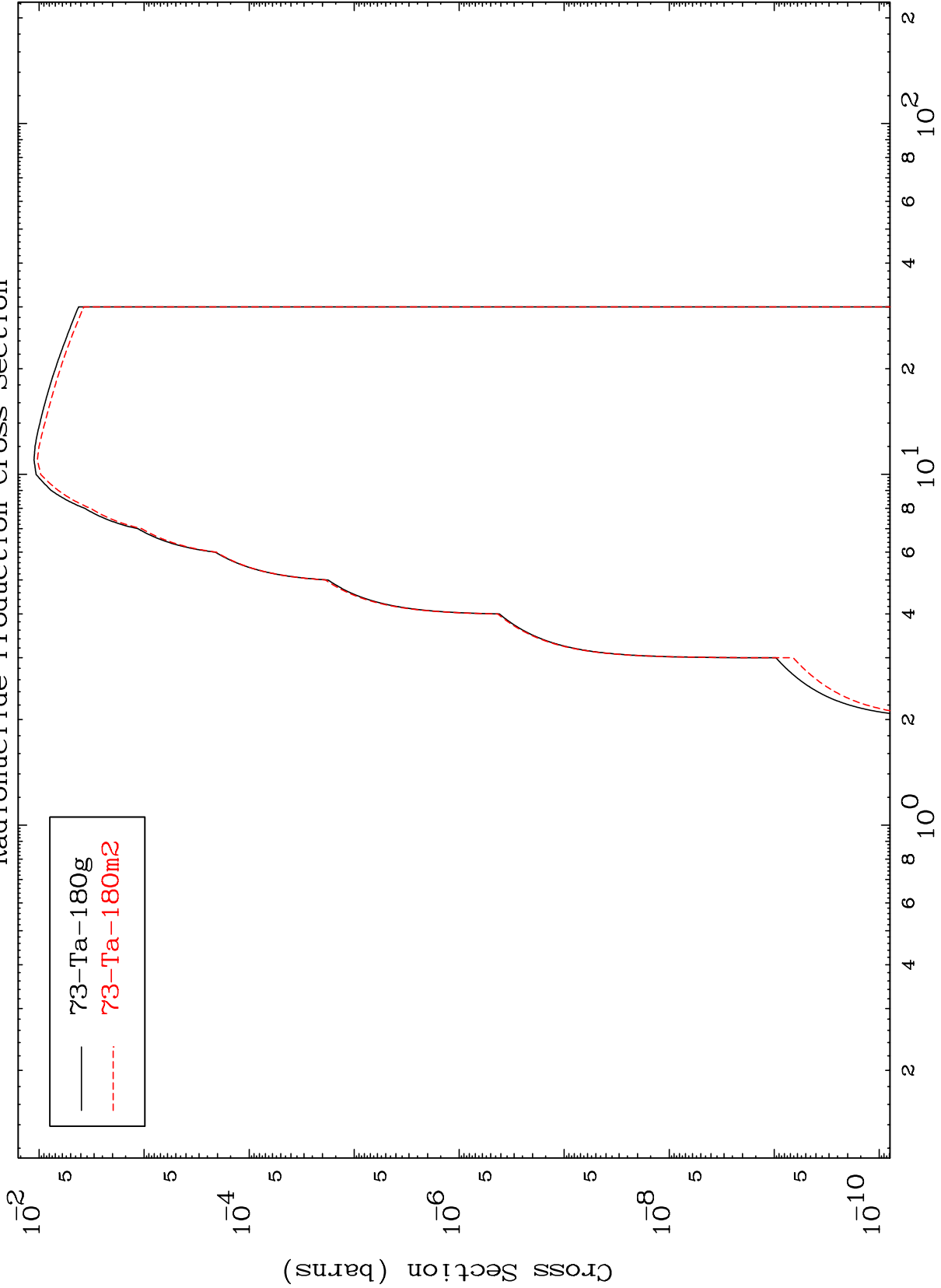
⁷²Hf-179n



MAT 7242

72-Hf-179n

Inelastic
Radionuclide Production Cross Section



72-Hf-179n

Incident Energy (MeV)

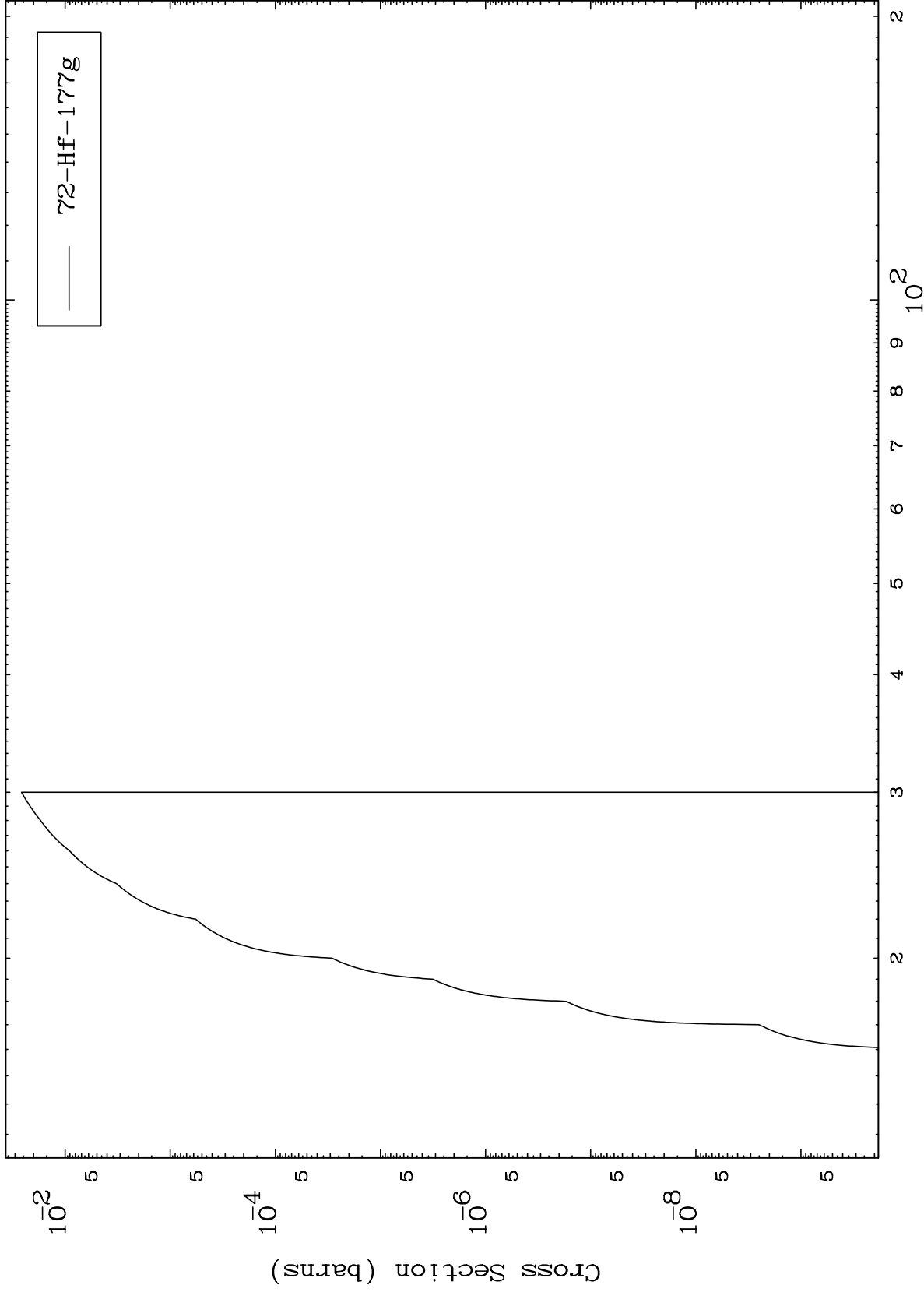
12

MAT 7242

(n,2n) d

⁷²Hf-179n

Radionuclide Production Cross Section



13

Incident Energy (MeV)

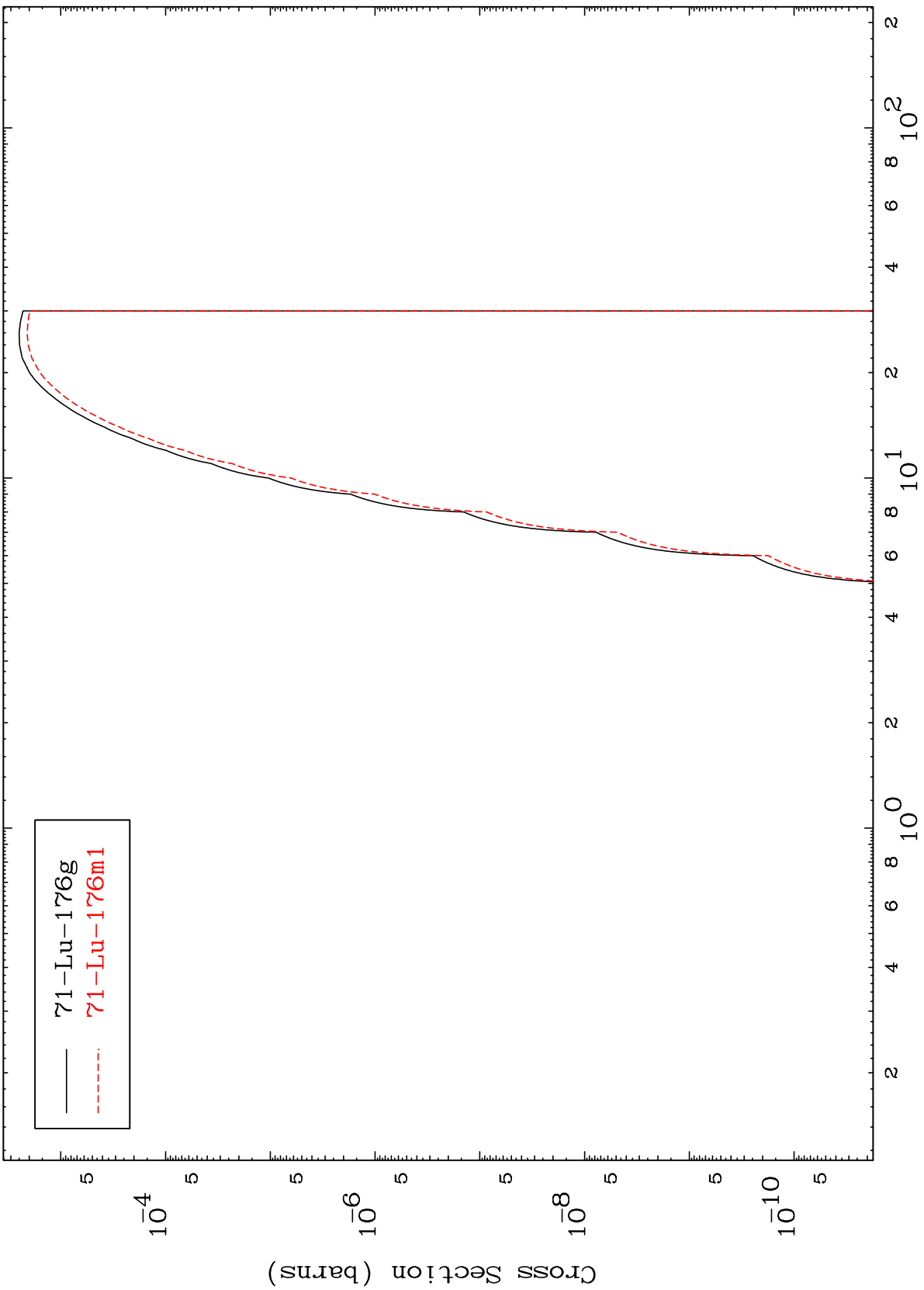
⁷²Hf-179n

MAT 7242

$(n, n') \alpha$

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

Radionuclide Production Cross Section

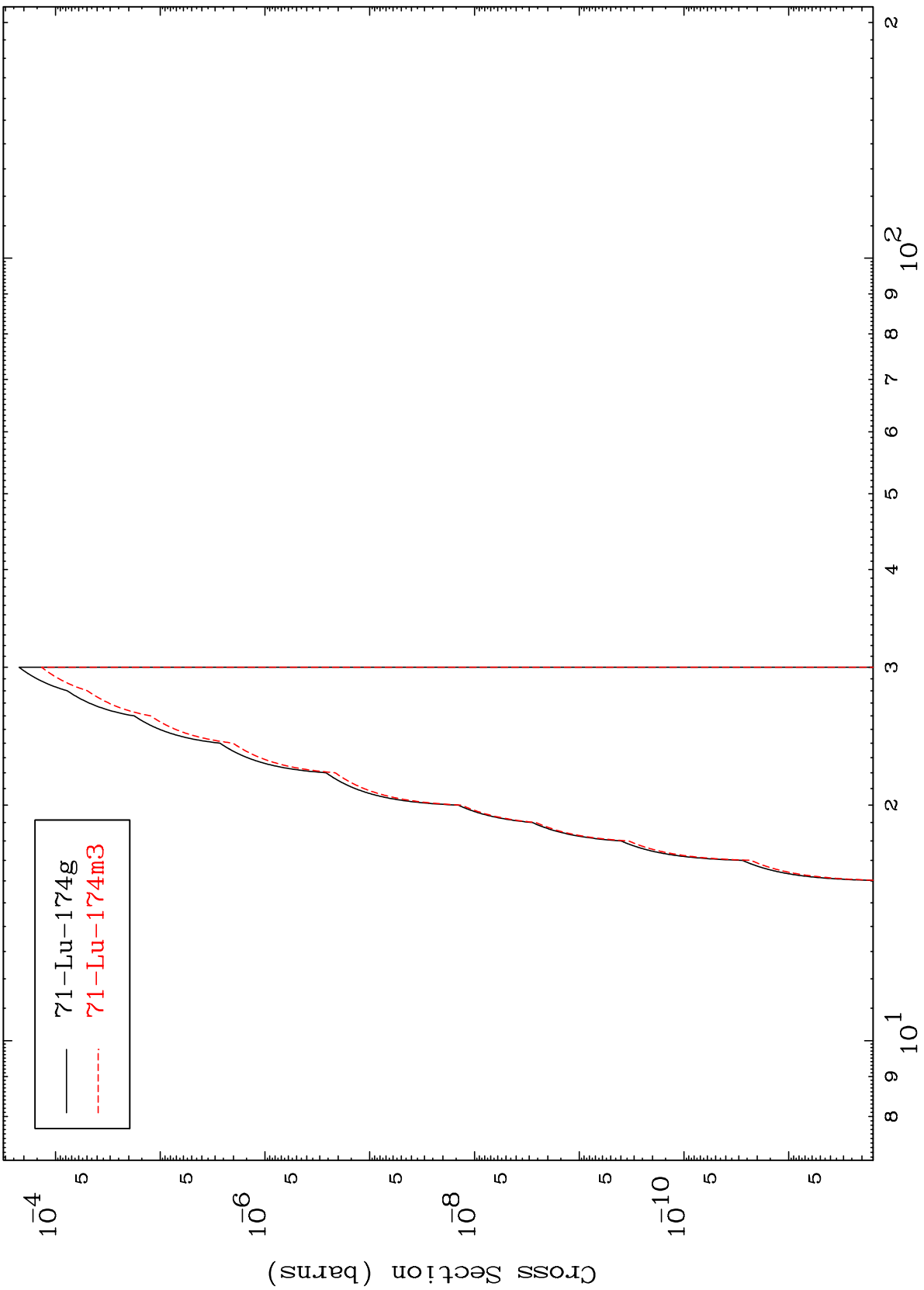


MAT 7242

(n,3n) α

⁷²Hf-179n

Radionuclide Production Cross Section



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

15

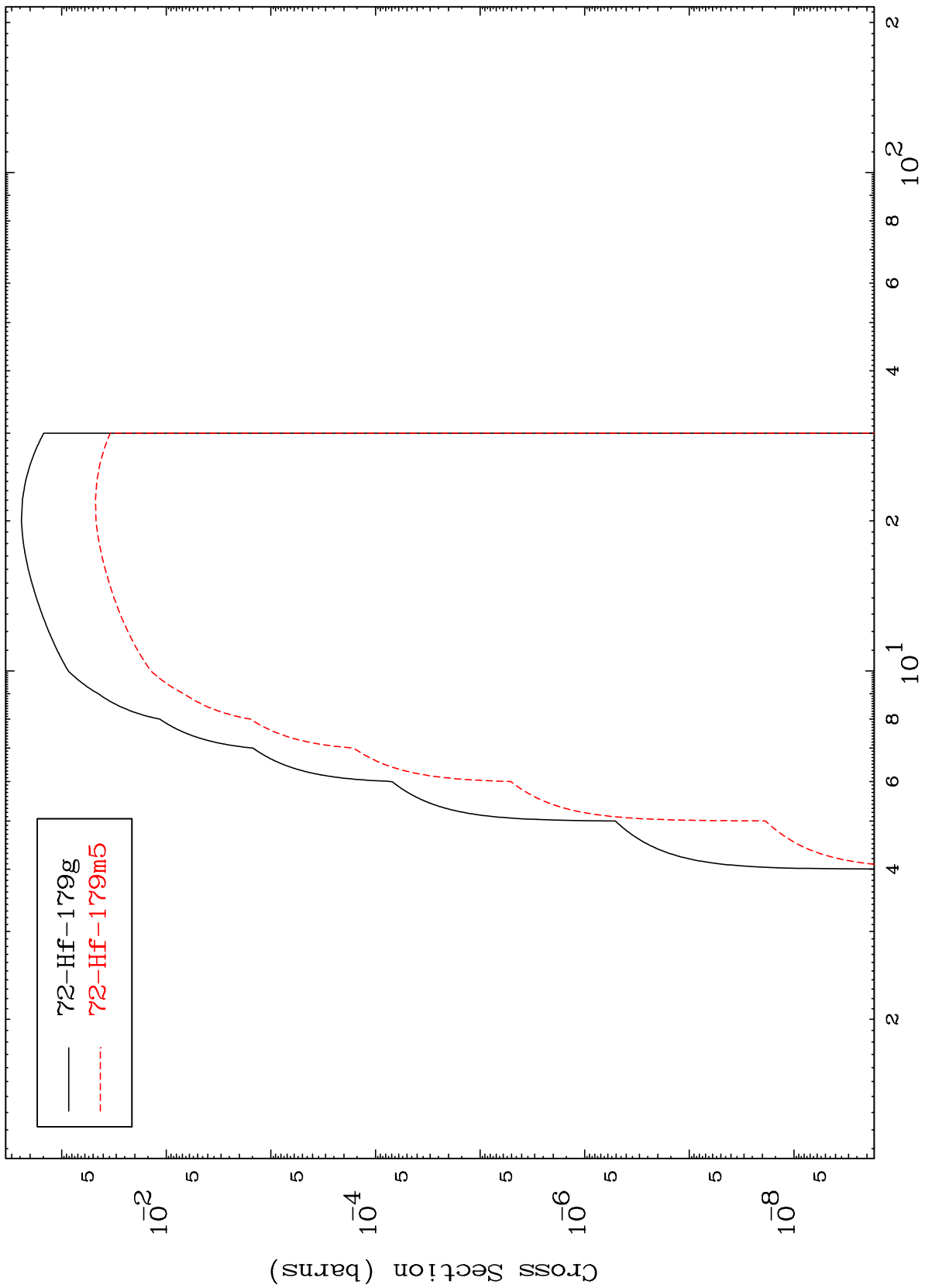
Incident Energy (MeV)

⁷²Hf-179n

MAT 7242

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

Radionuclide Production Cross Section



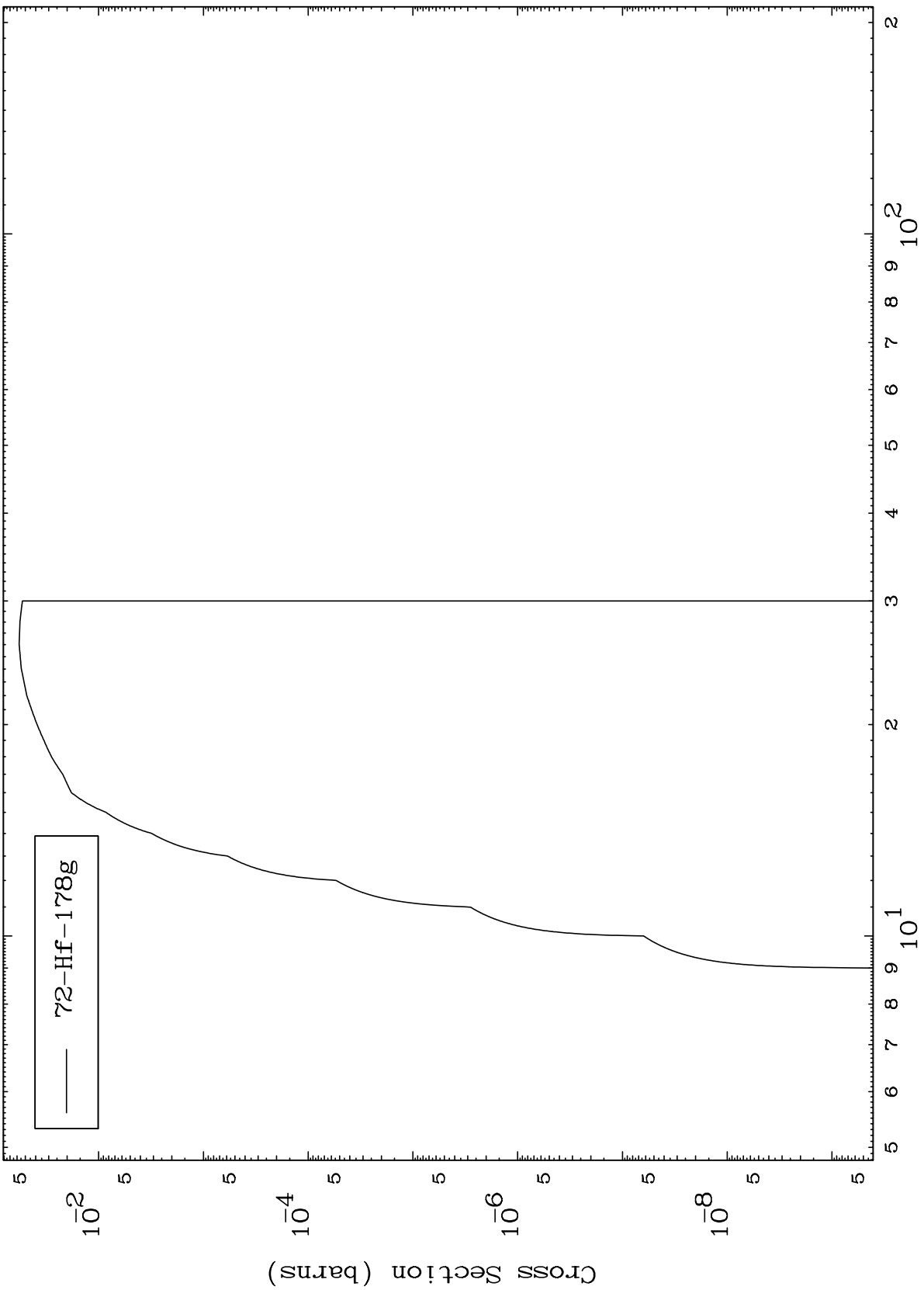
— $^{72}\text{Hf}-179\text{g}$
- - - $^{72}\text{Hf}-179\text{m5}$

MAT 7242

(n,n') d

⁷²Hf-179n

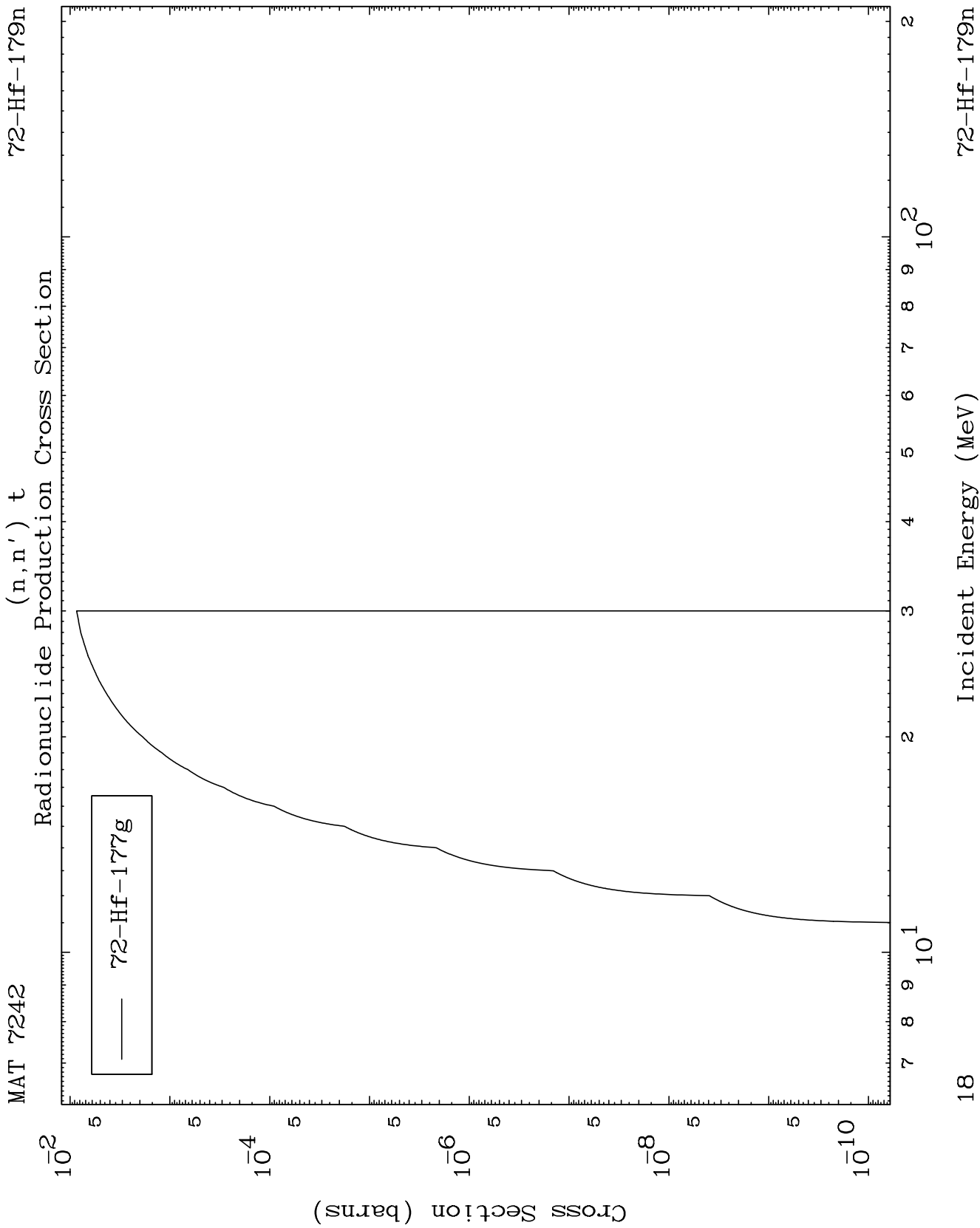
Radionuclide Production Cross Section



17

Incident Energy (MeV)

⁷²Hf-179n

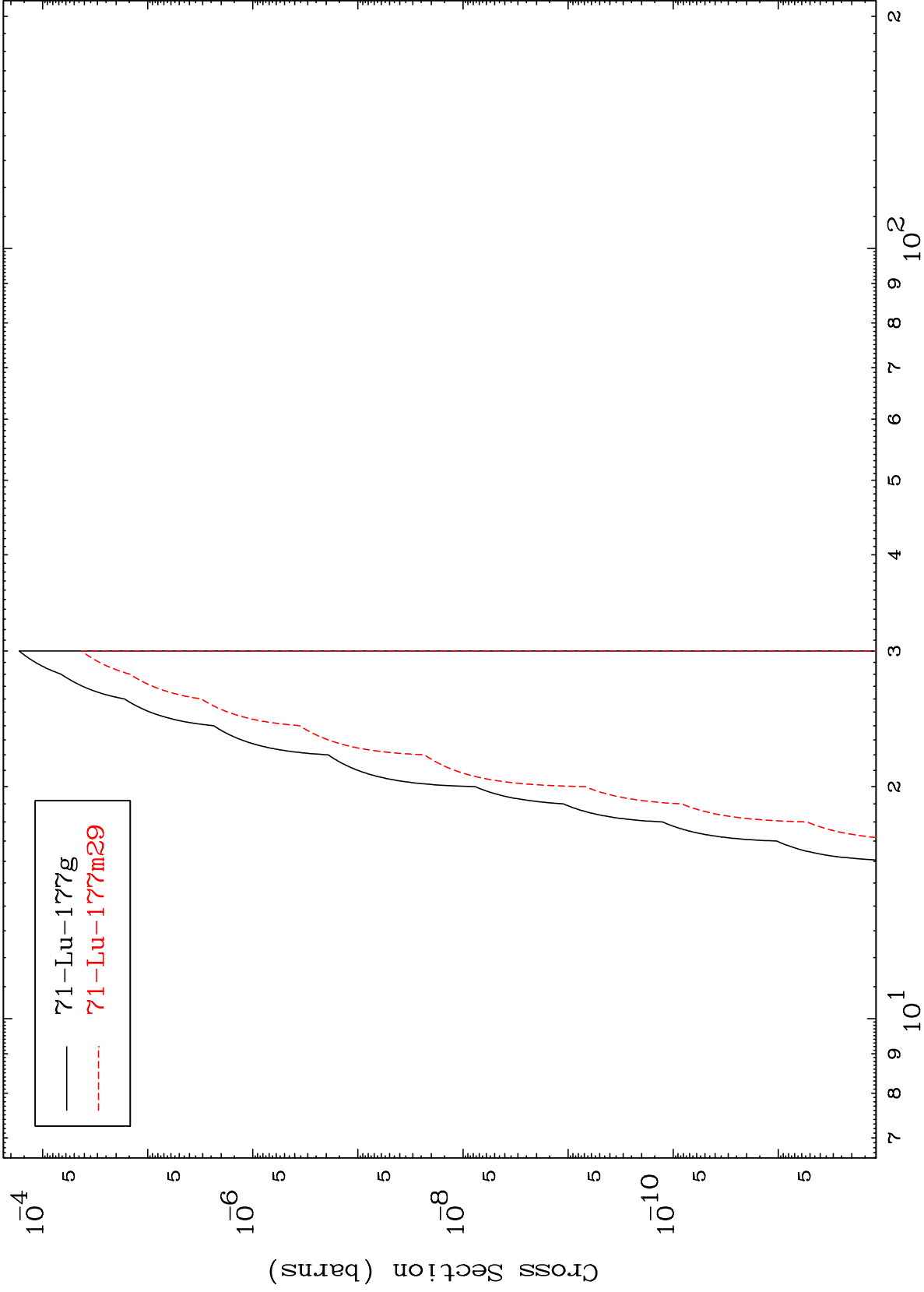


MAT 7242

(n,n') He-3

⁷²Hf-179n

Radionuclide Production Cross Section



19

Incident Energy (MeV)

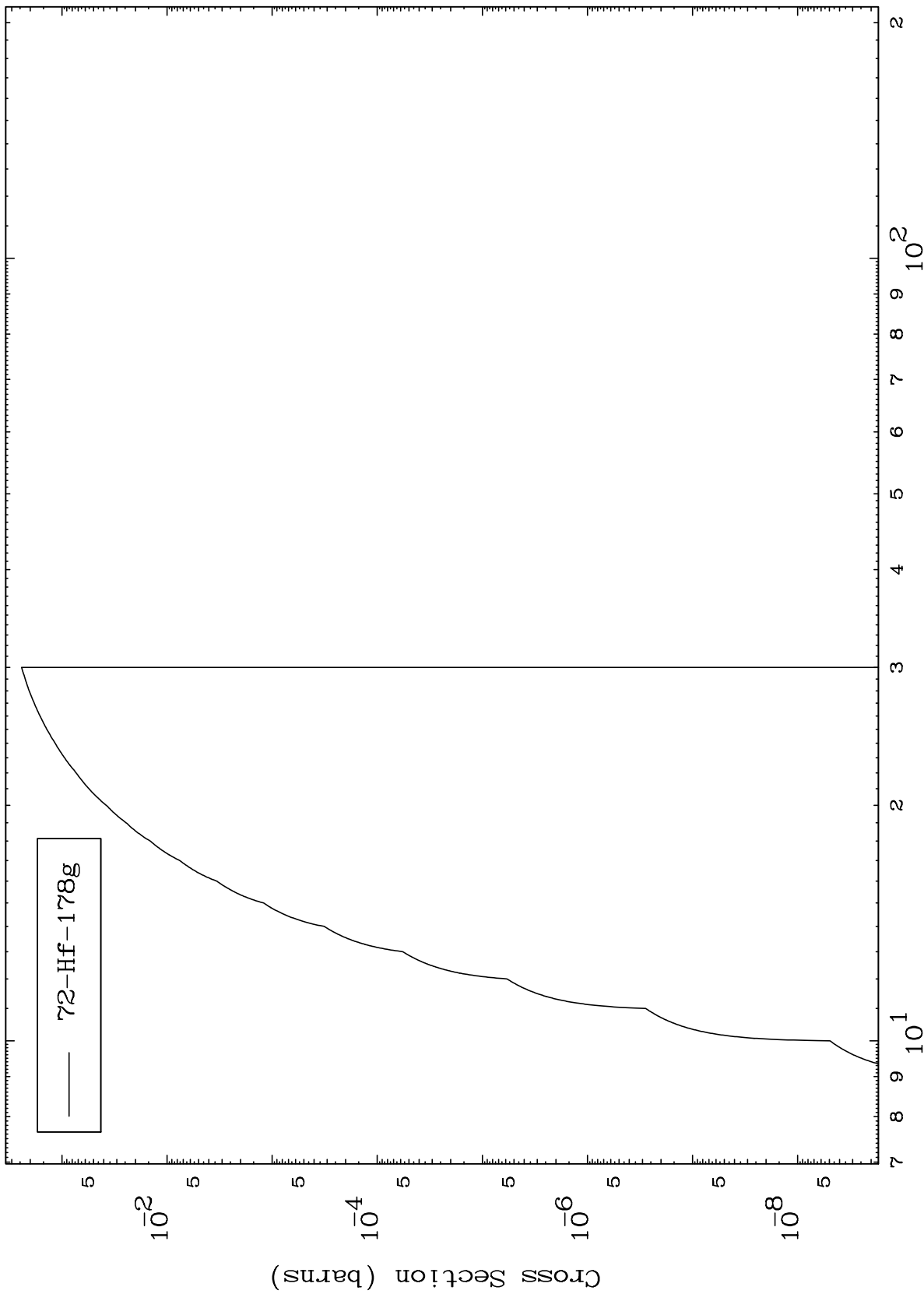
⁷²Hf-179n

MAT 7242

(n,2n) p

⁷²Hf-179n

Radionuclide Production Cross Section



72-Hf-178g

Incident Energy (MeV)

⁷²Hf-179n

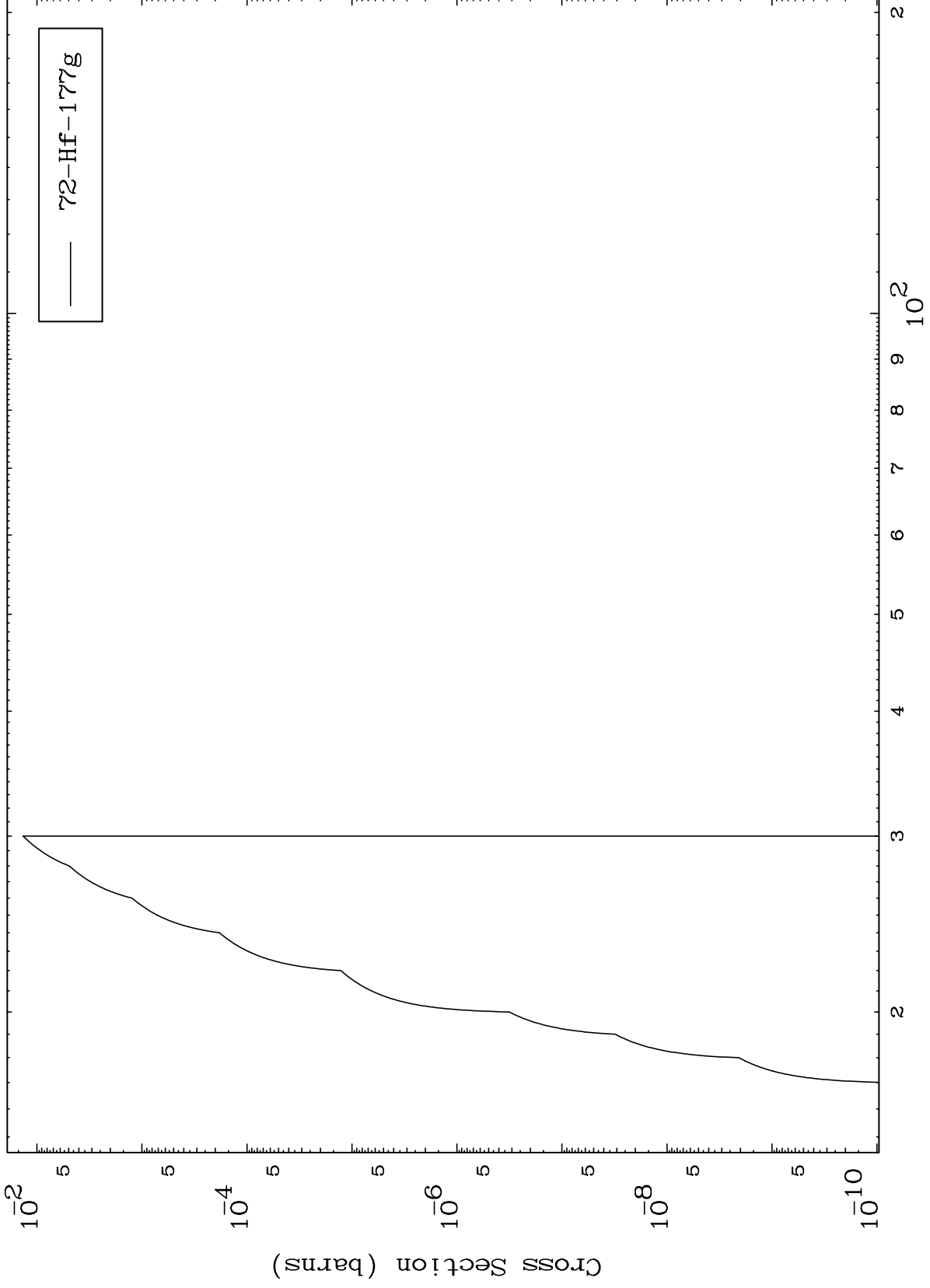
20

MAT 7242

(n,3n) p

⁷²Hf-179n

Radionuclide Production Cross Section



21

Incident Energy (MeV)

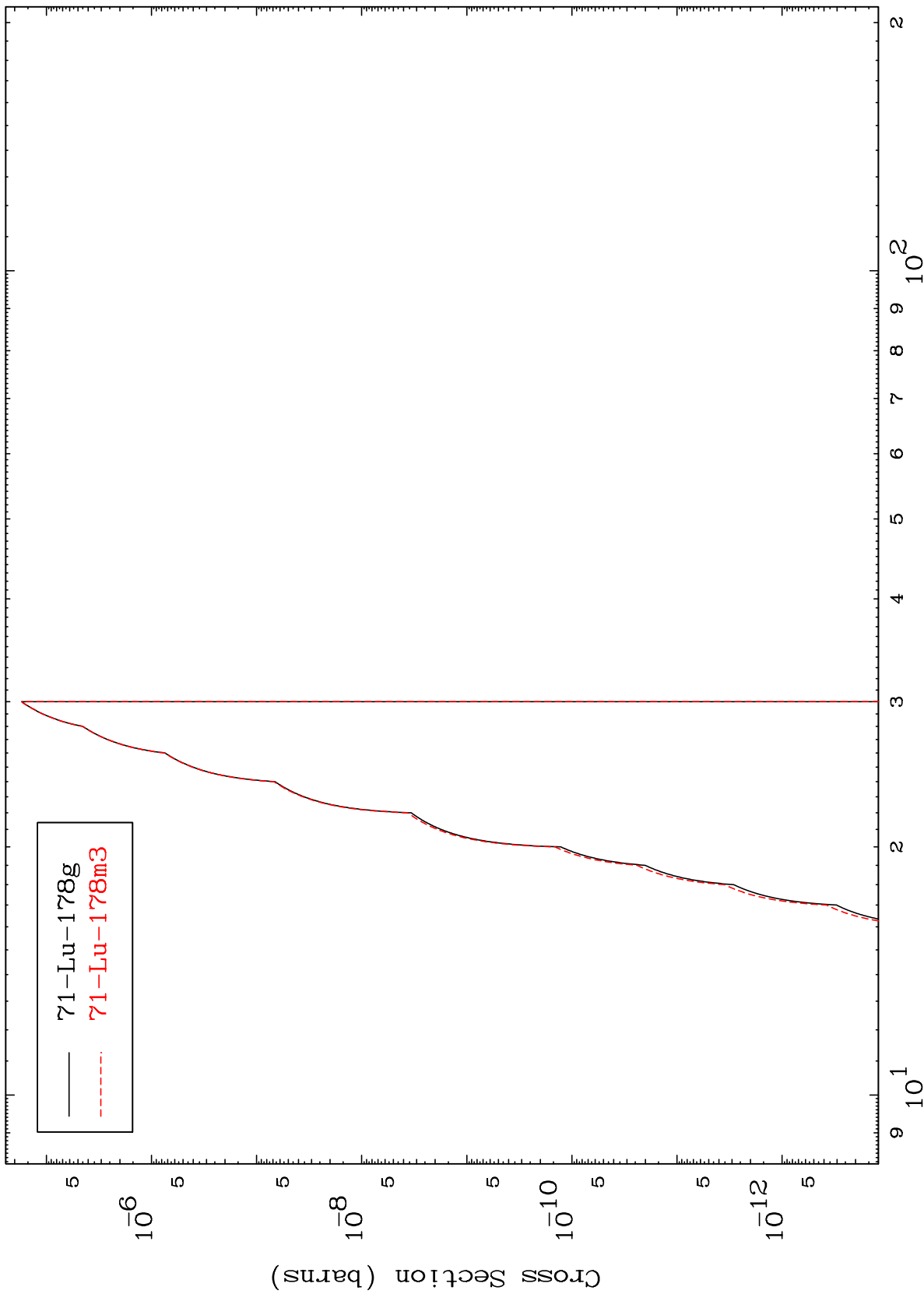
⁷²Hf-179n

MAT 7242

(n,2n) p

⁷²Hf-179n

Radionuclide Production Cross Section



71-Lu-178g
71-Lu-178m3

22

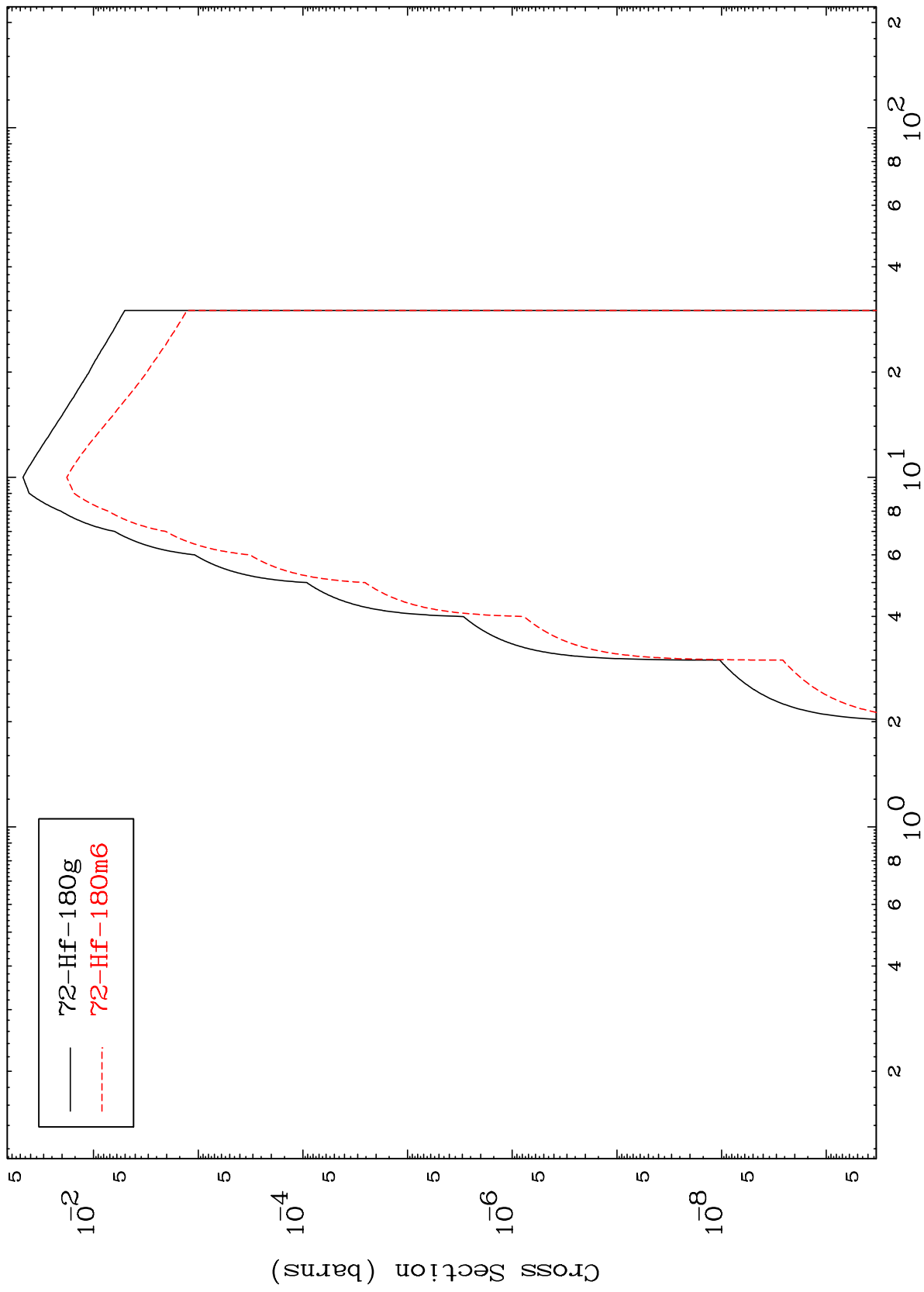
Incident Energy (MeV)

⁷²Hf-179n

MAT 7242

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

(n,p)
Radionuclide Production Cross Section



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

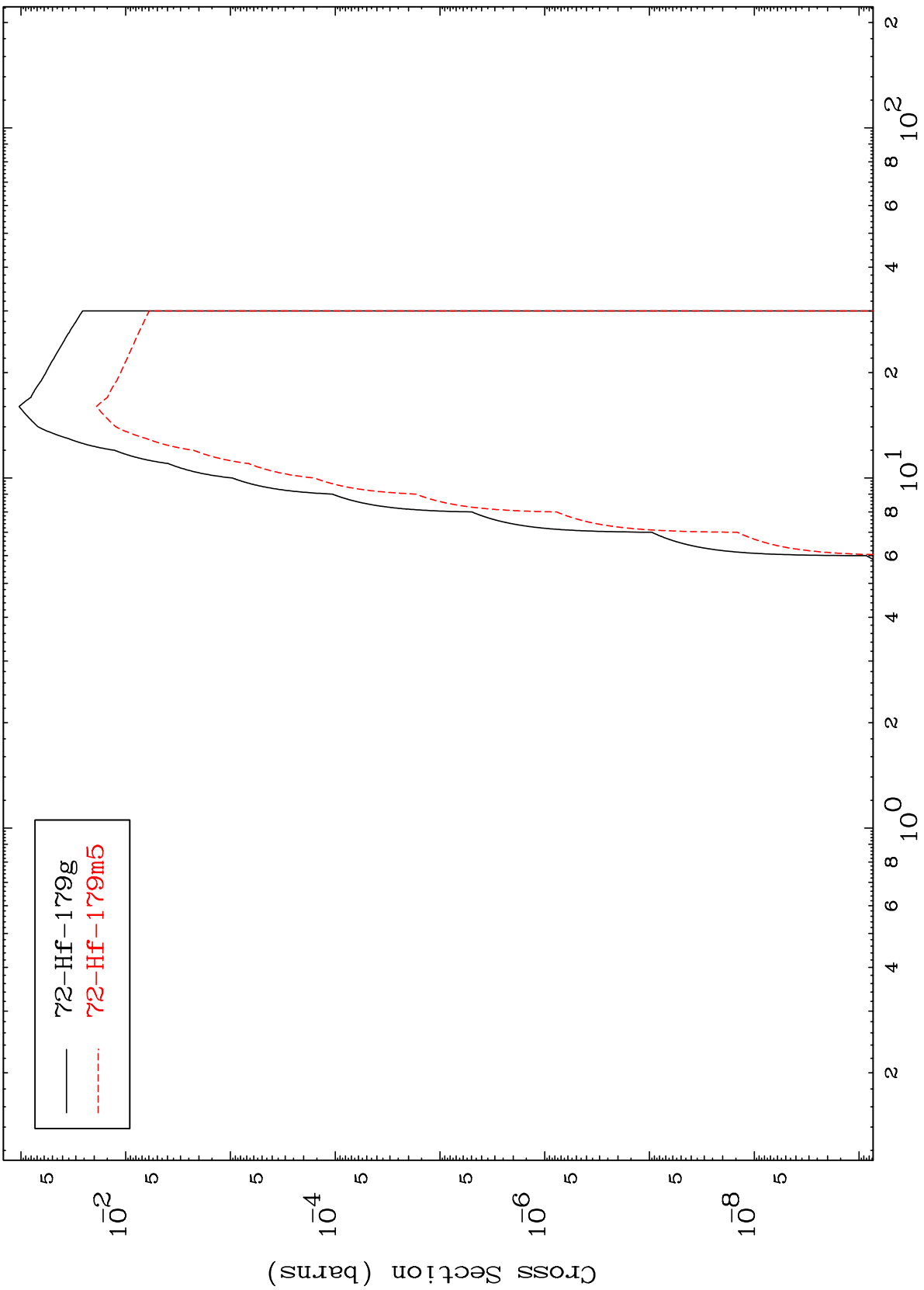
Incident Energy (MeV)

MAT 7242

(n,d)

⁷²Hf-179n

Radionuclide Production Cross Section



24

Incident Energy (MeV)

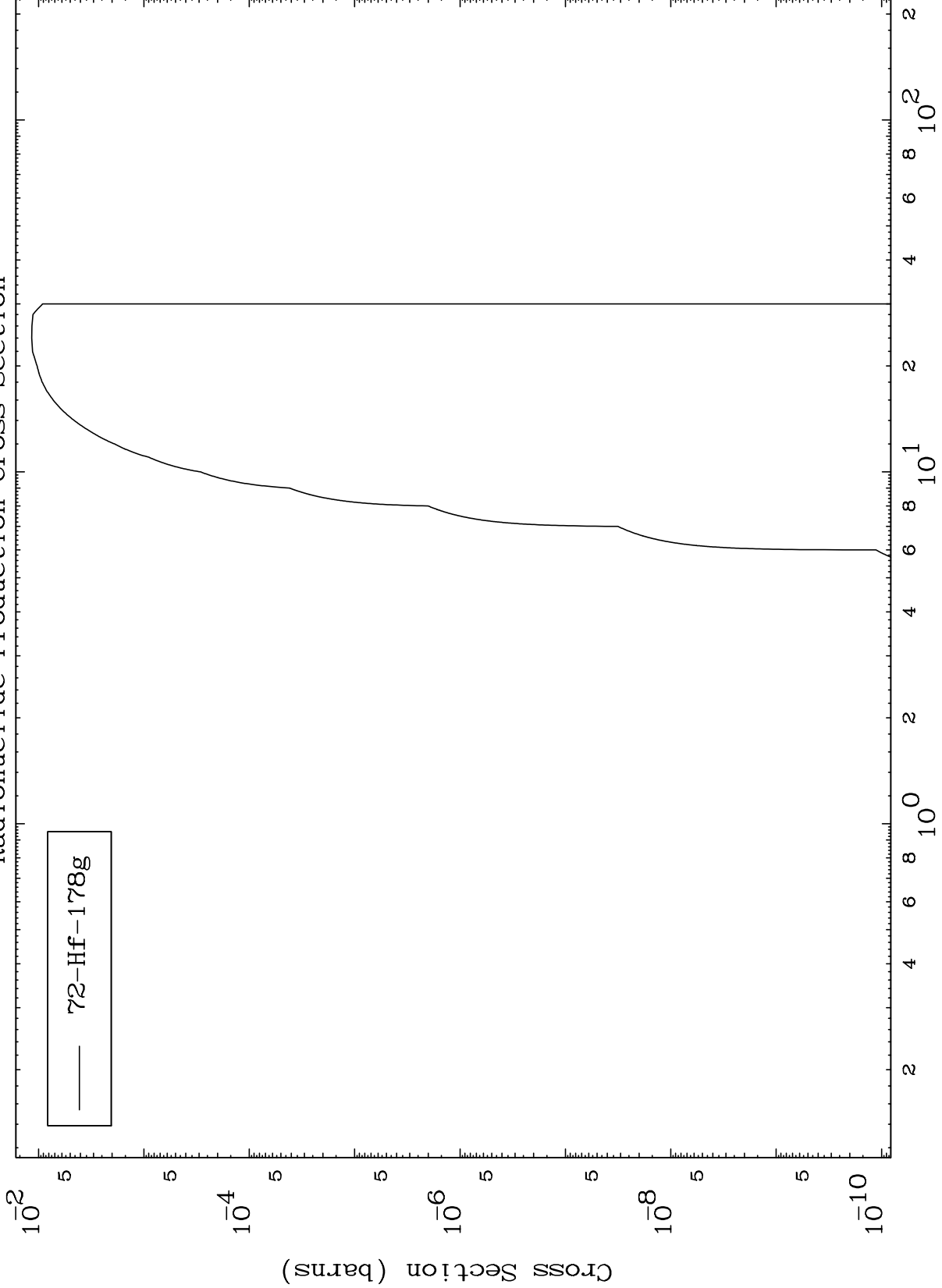
⁷²Hf-179n

MAT 7242

(n, t)

⁷²Hf-179n

Radionuclide Production Cross Section

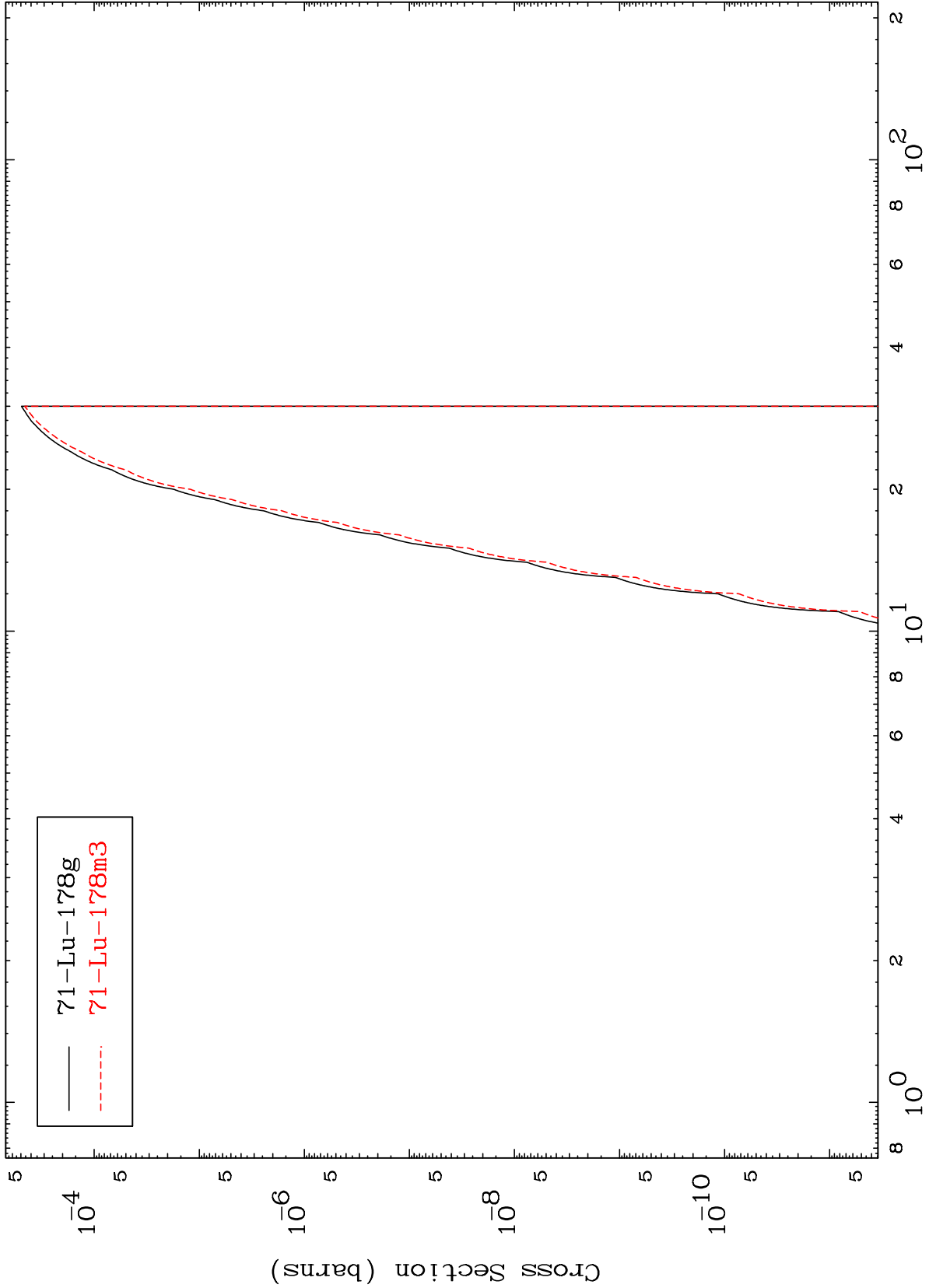


MAT 7242

(n,He-3)

72-Hf-179n

Radionuclide Production Cross Section



26

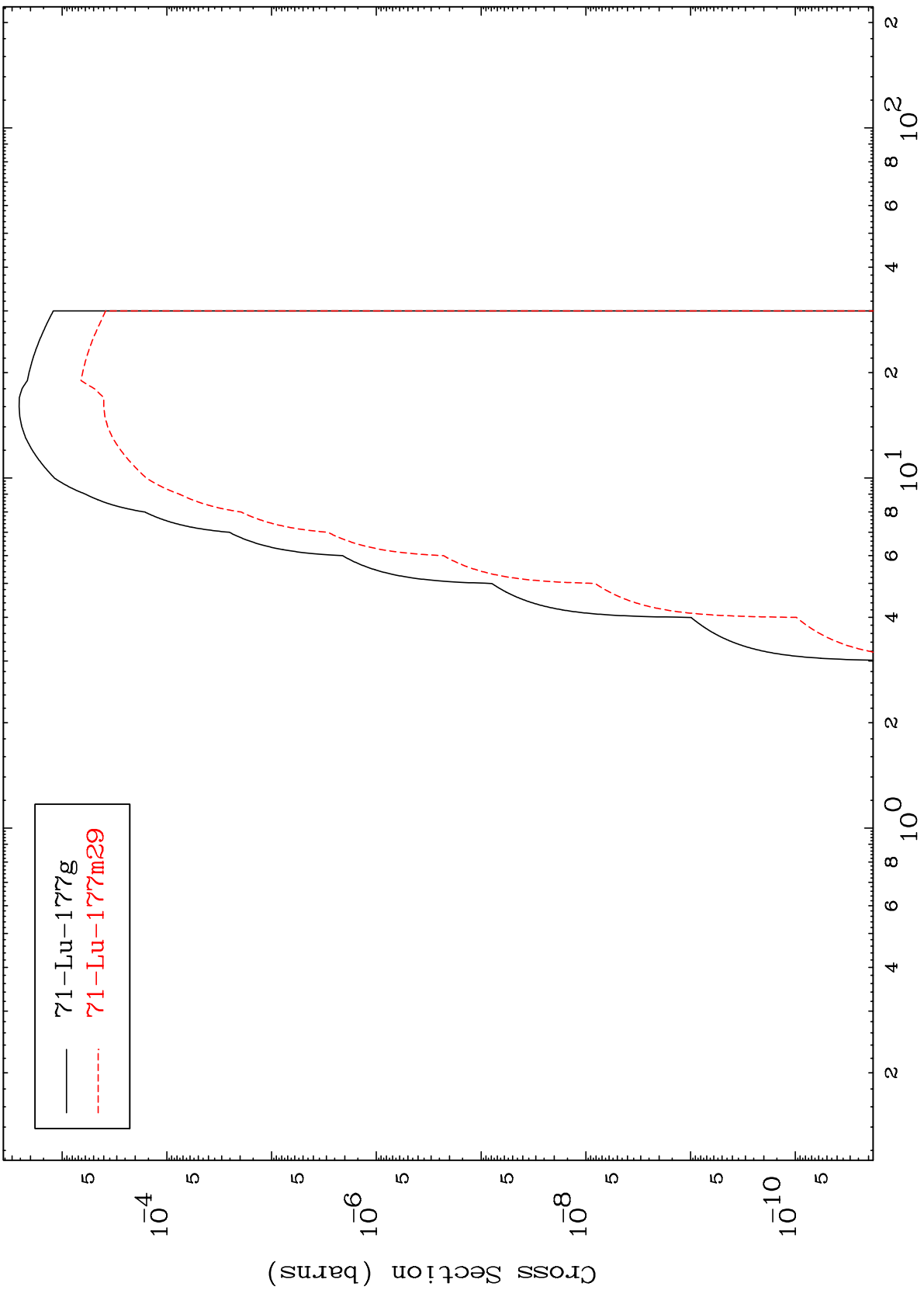
Incident Energy (MeV)

72-Hf-179n

MAT 7242

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

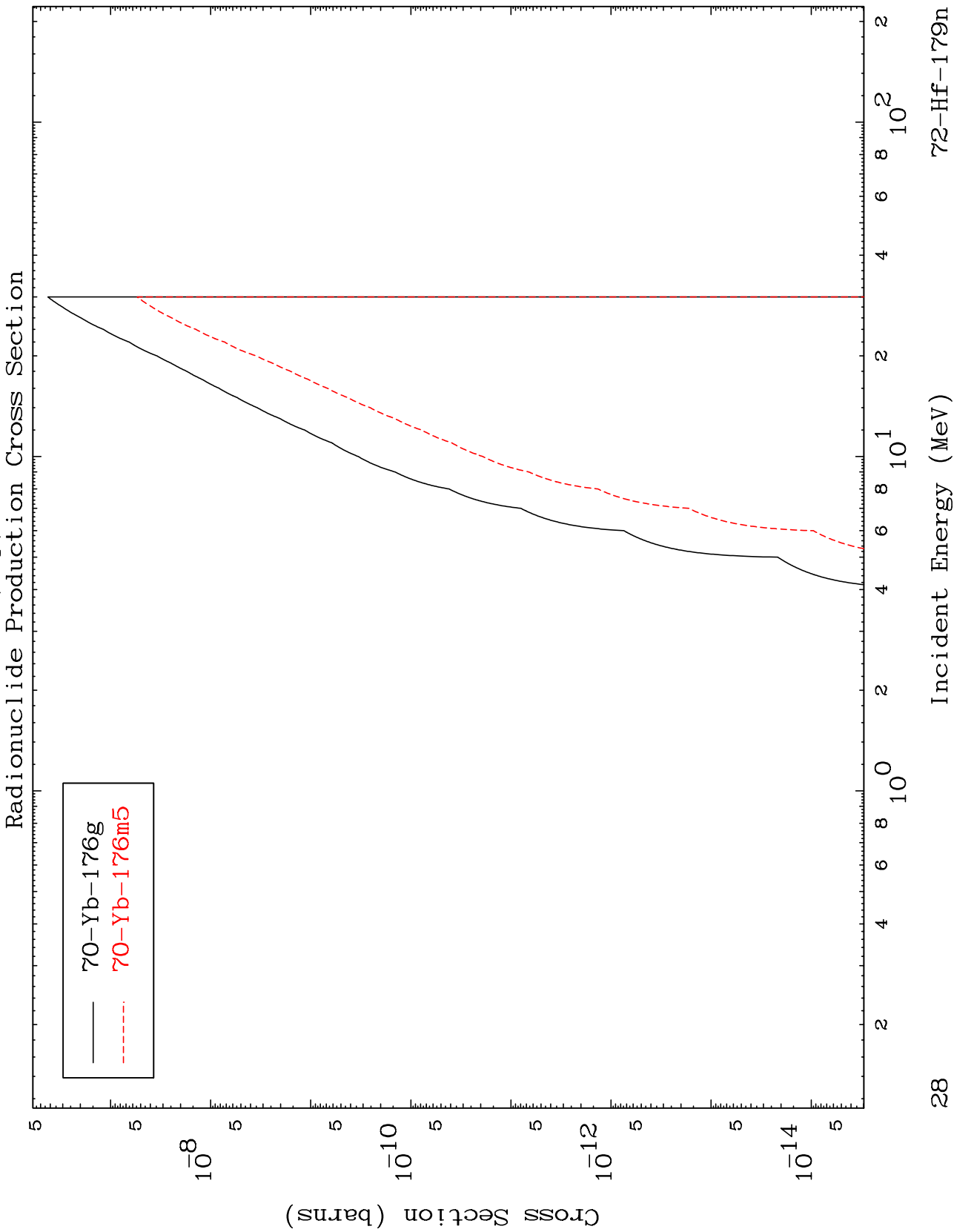
Radionuclide Production Cross Section



MAT 7242

(n,p) α

⁷²Hf-179n

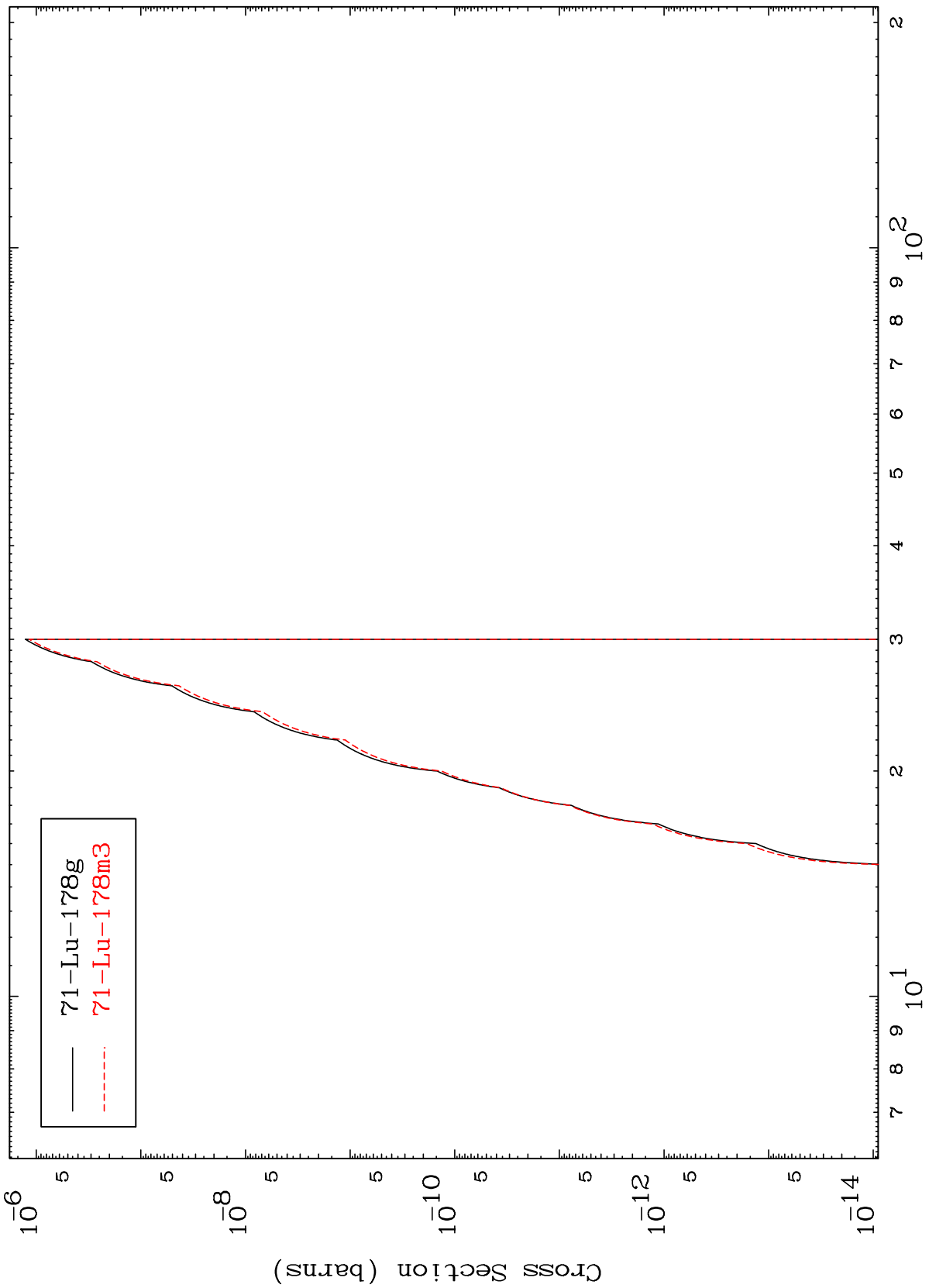


MAT 7242

(n,p) d

⁷²Hf-179n

Radionuclide Production Cross Section



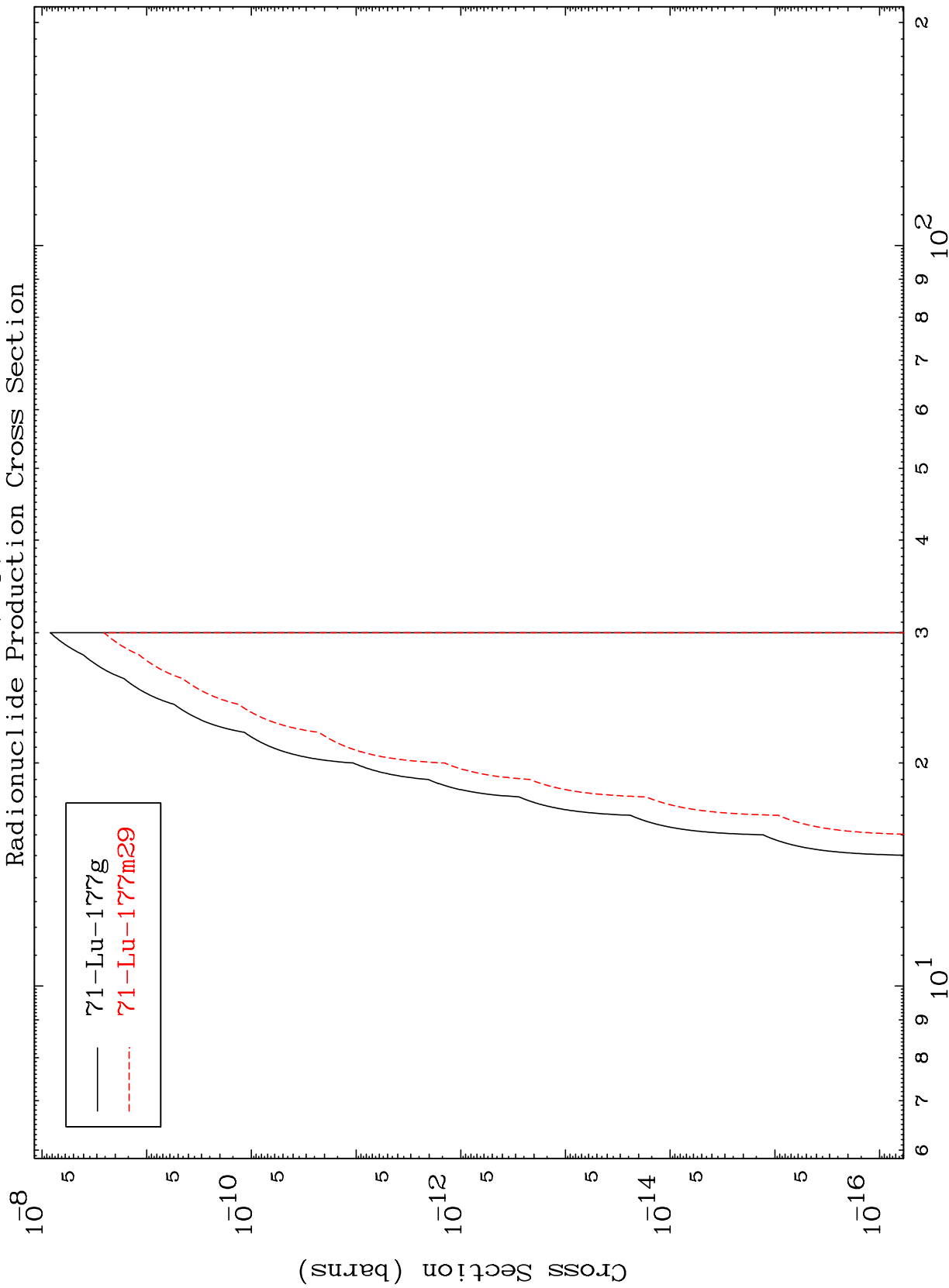
71-Lu-178g
71-Lu-178m3

MAT 7242

(n,p) t

⁷²Hf-179n

Radionuclide Production Cross Section



— ⁷¹Lu-177g
- - - ⁷¹Lu-177m29

Incident Energy (MeV)

⁷²Hf-179n

30