

Program EVALPLOT
(Version 2021-1)

by

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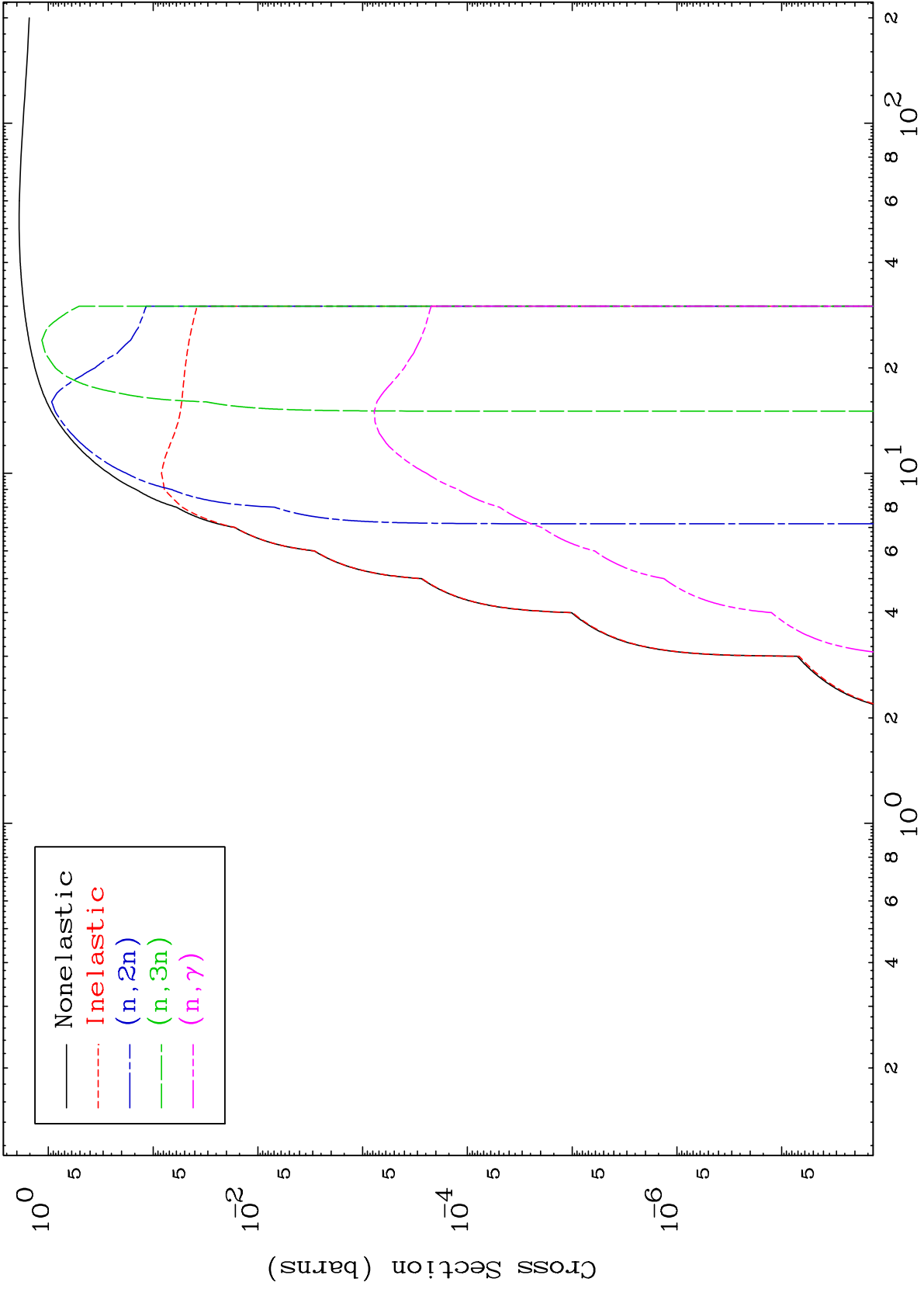
Press Mouse Button to Start

MAT 7244

Proton Major

72-Hf-180m

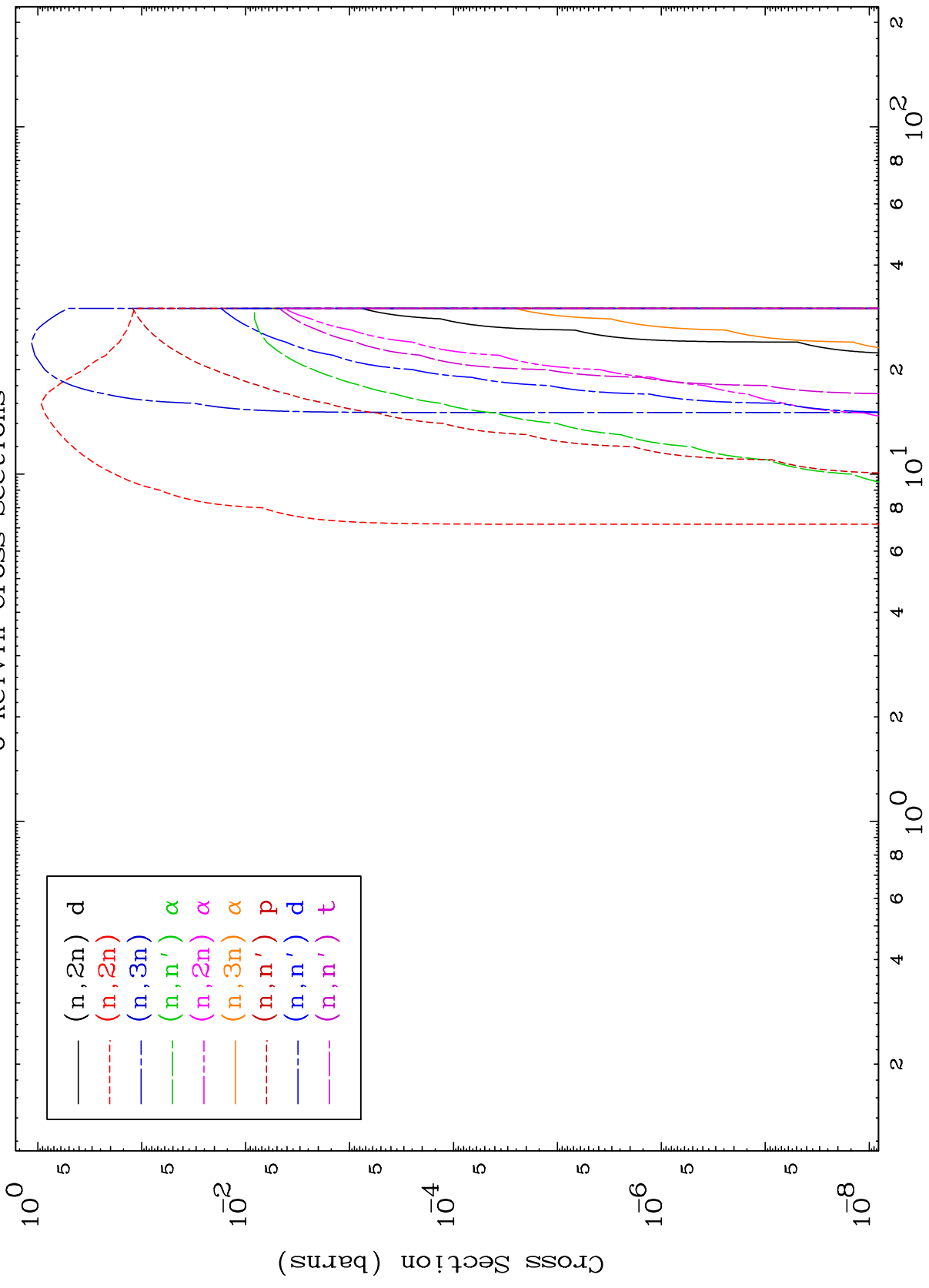
0 Kelvin Cross Sections



MAT 7244

Proton Neutron Absorption
0 Kelvin Cross Sections

⁷²Hf-180m

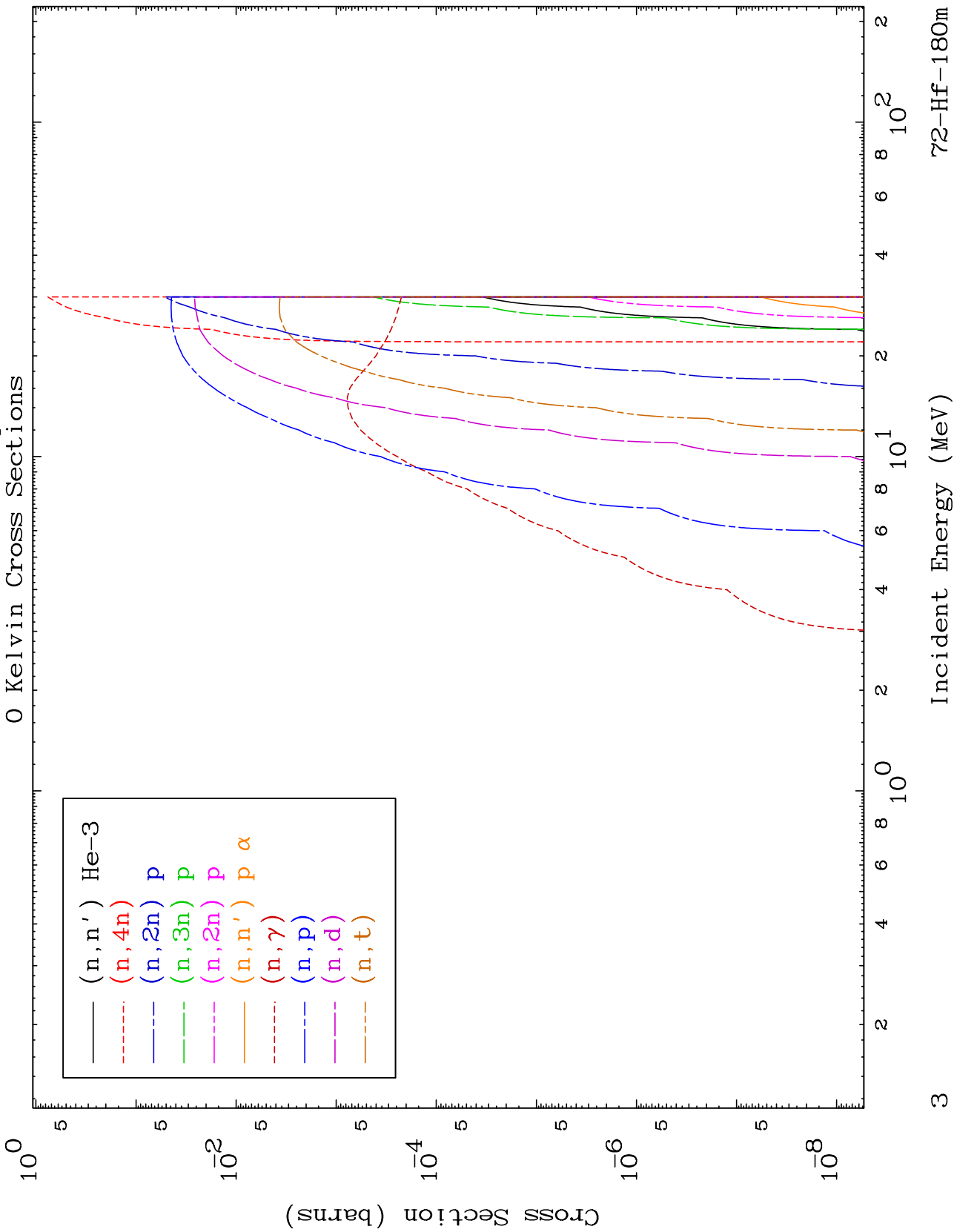


⁷²Hf-180m

MAT 7244

Proton Neutron Absorption
0 Kelvin Cross Sections

72-Hf-180m



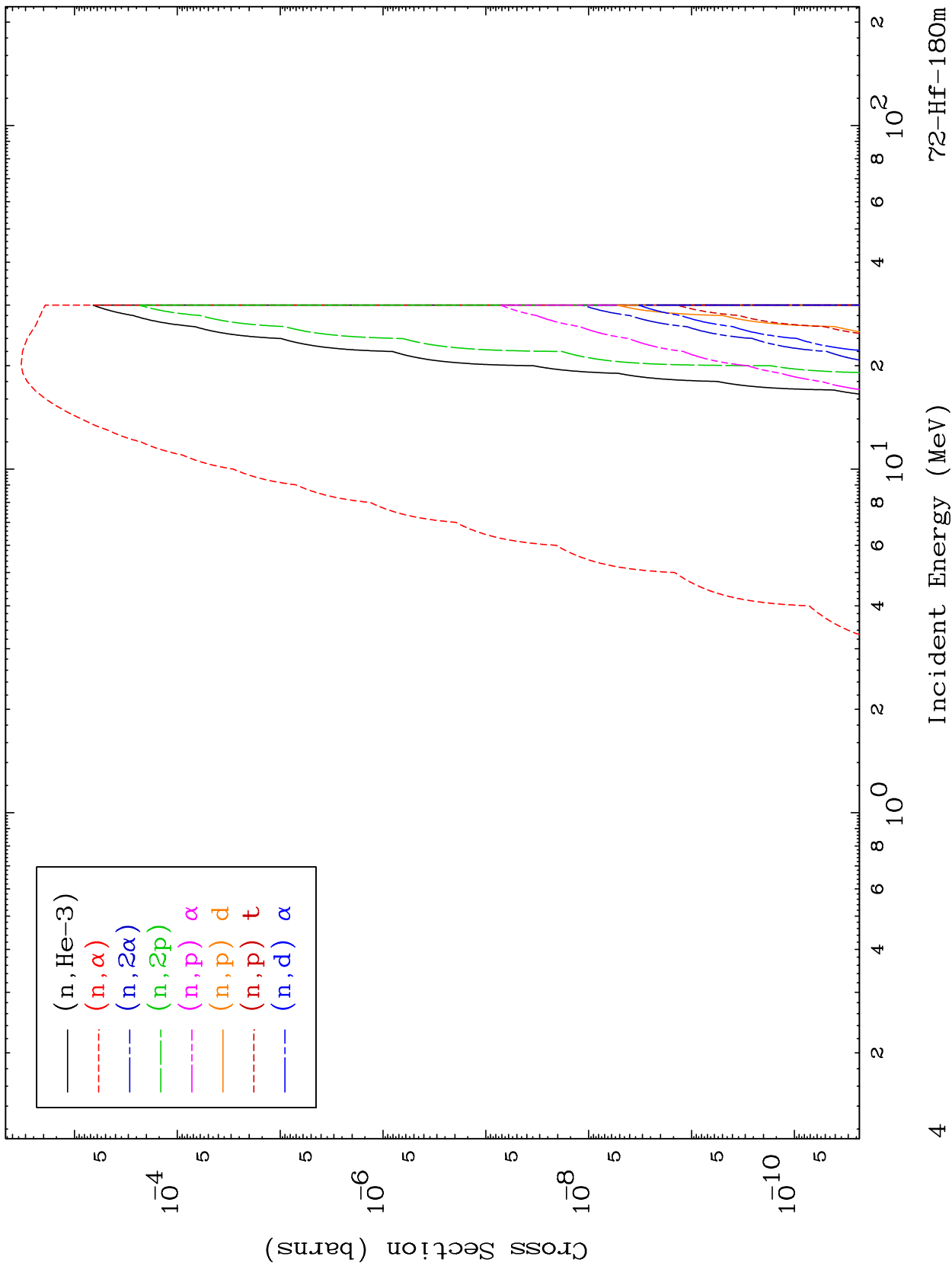
72-Hf-180m

Incident Energy (MeV)

MAT 7244

Proton Neutron Absorption
0 Kelvin Cross Sections

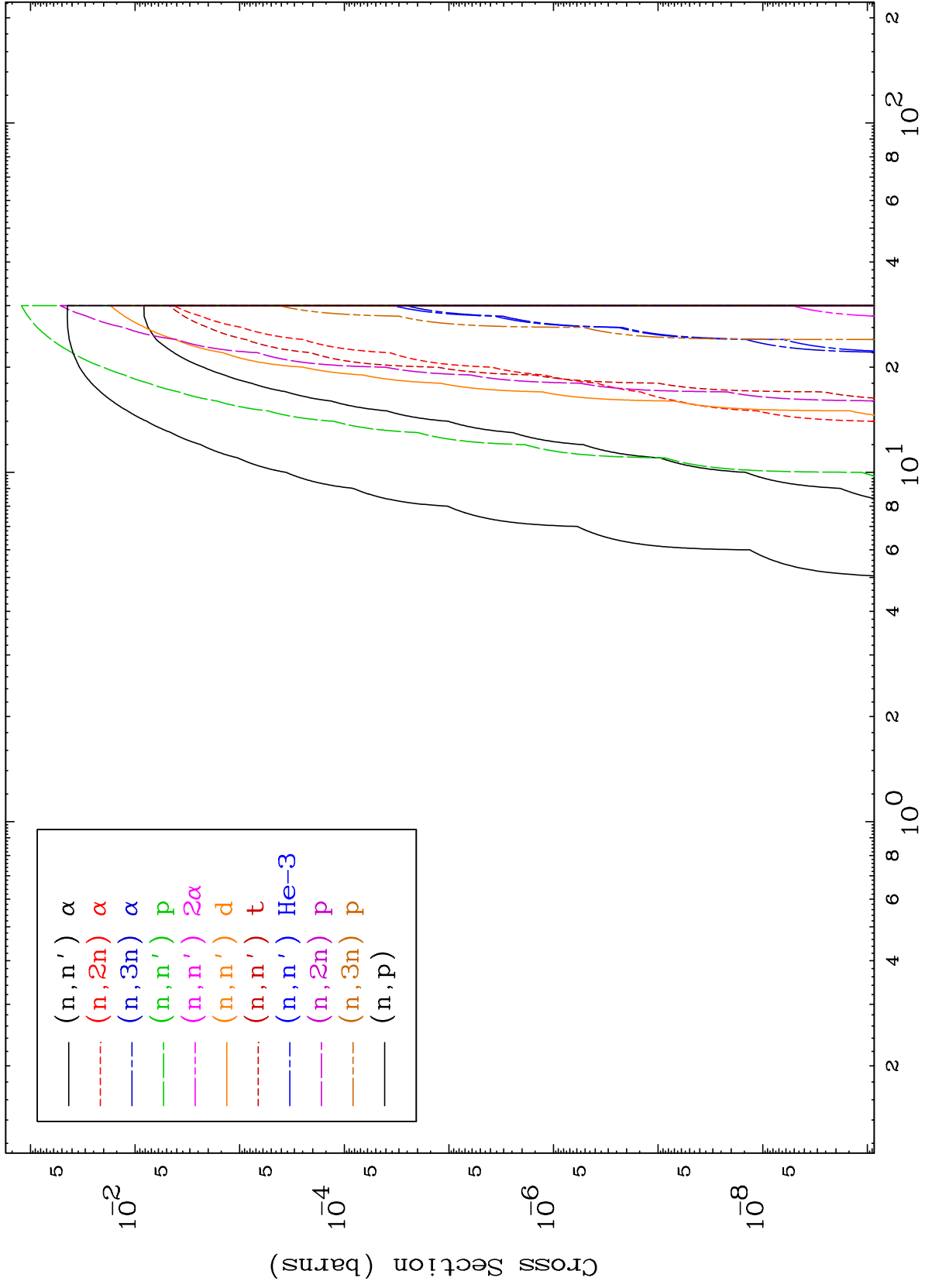
⁷²Hf-180m



MAT 7244

Proton Charged Particle
0 Kelvin Cross Sections

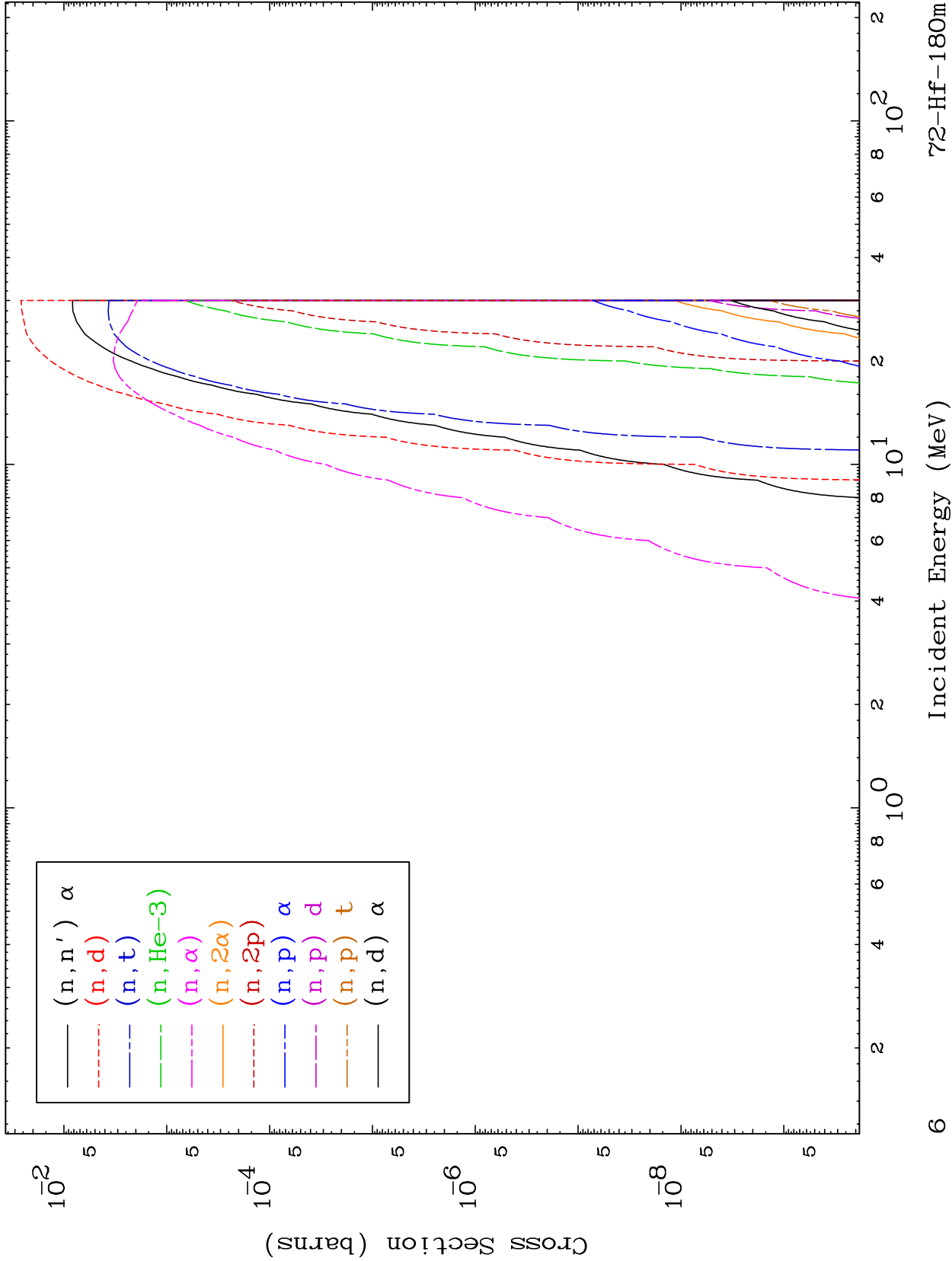
72-Hf-180m



MAT 7244

Proton Charged Particle
0 Kelvin Cross Sections

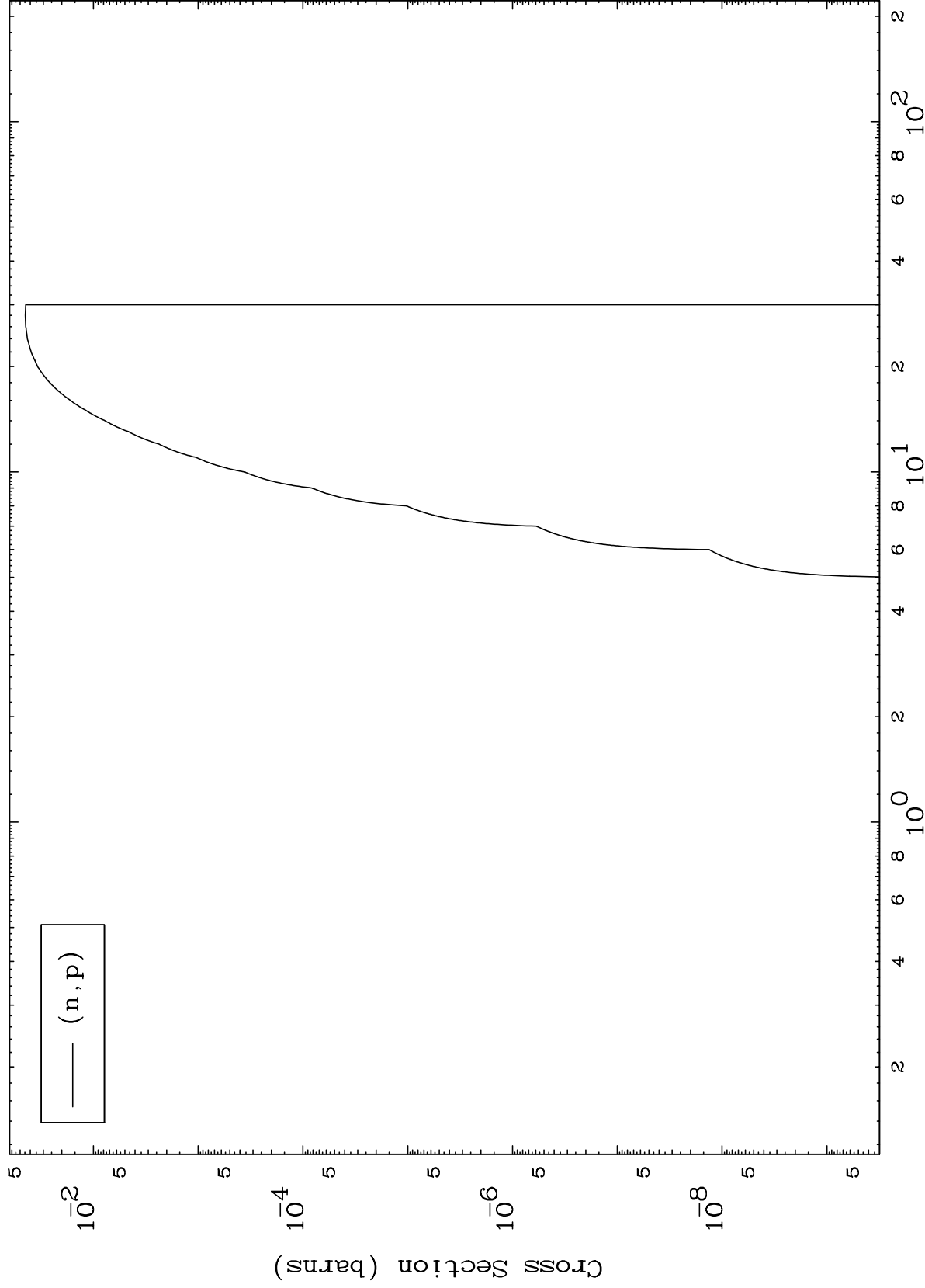
72-Hf-180m



MAT 7244

72-Hf-180m

(p,p) Levels
0 Kelvin Cross Sections



72-Hf-180m

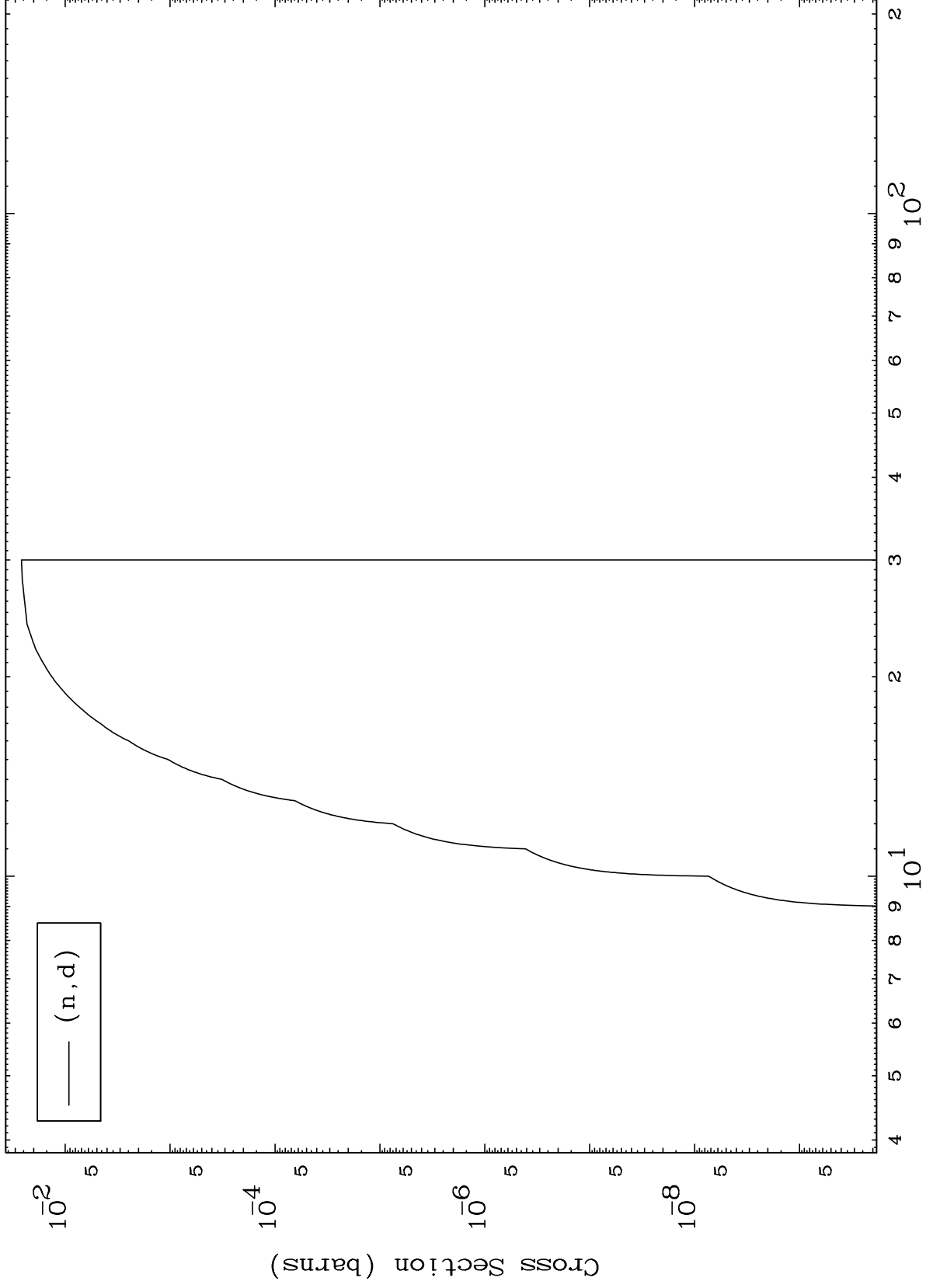
Incident Energy (MeV)

7

MAT 7244

(p,d) Levels
0 Kelvin Cross Sections

⁷²Hf-180m



8

Incident Energy (MeV)

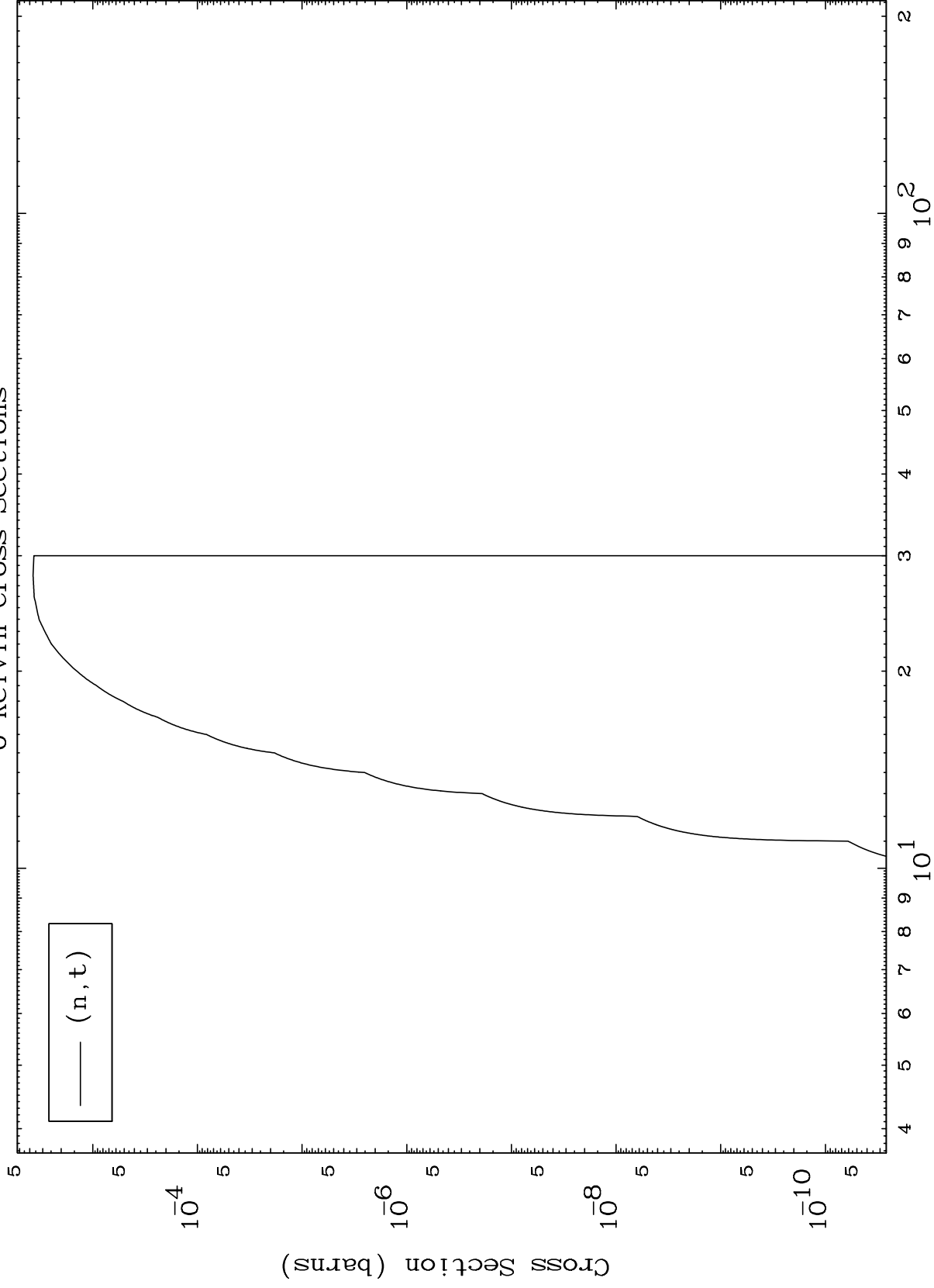
⁷²Hf-180m

MAT 7244

(p, t) Levels

0 Kelvin Cross Sections

⁷²Hf-180m



9

Incident Energy (MeV)

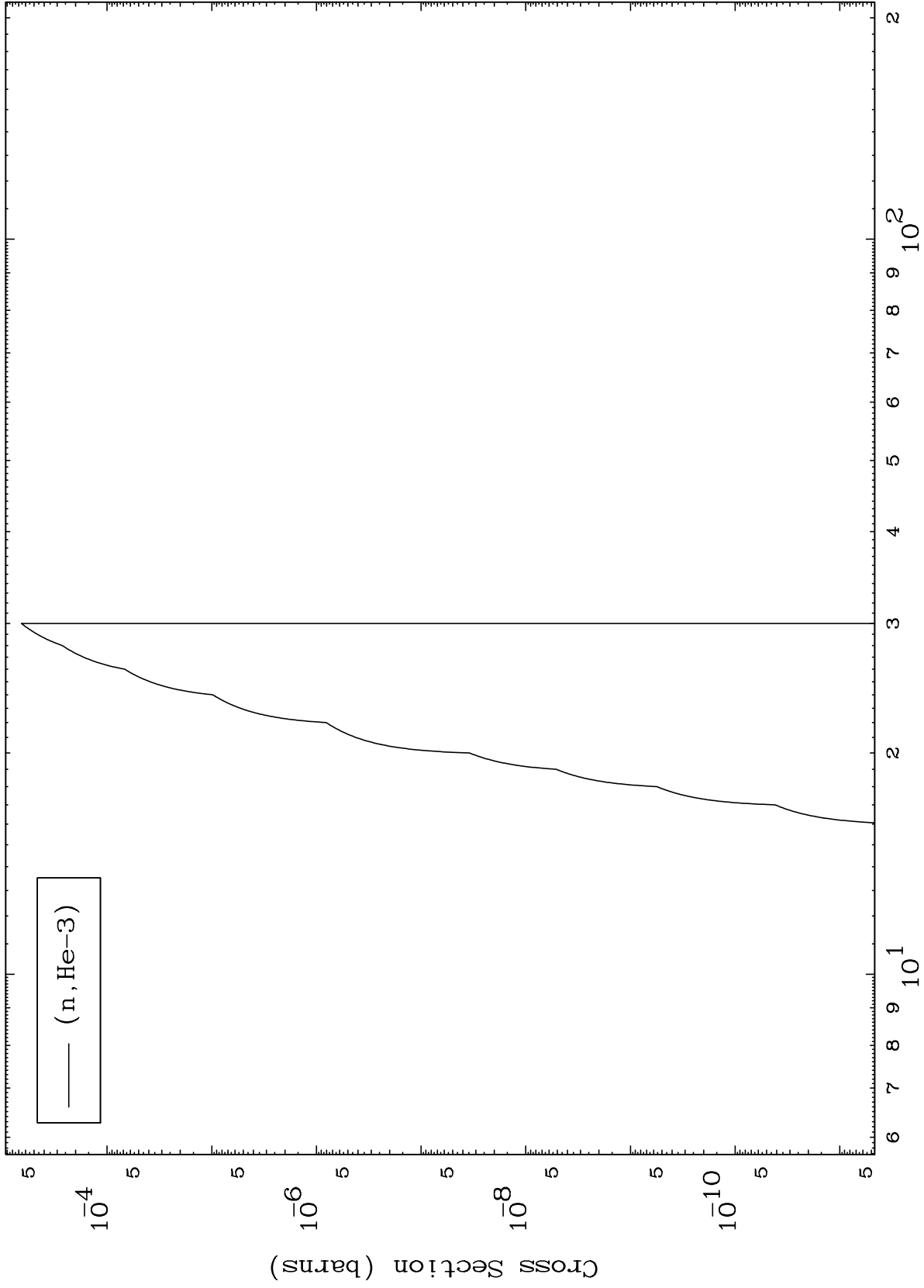
⁷²Hf-180m

MAT 7244

(p,He3) Levels

72-Hf-180m

0 Kelvin Cross Sections



10

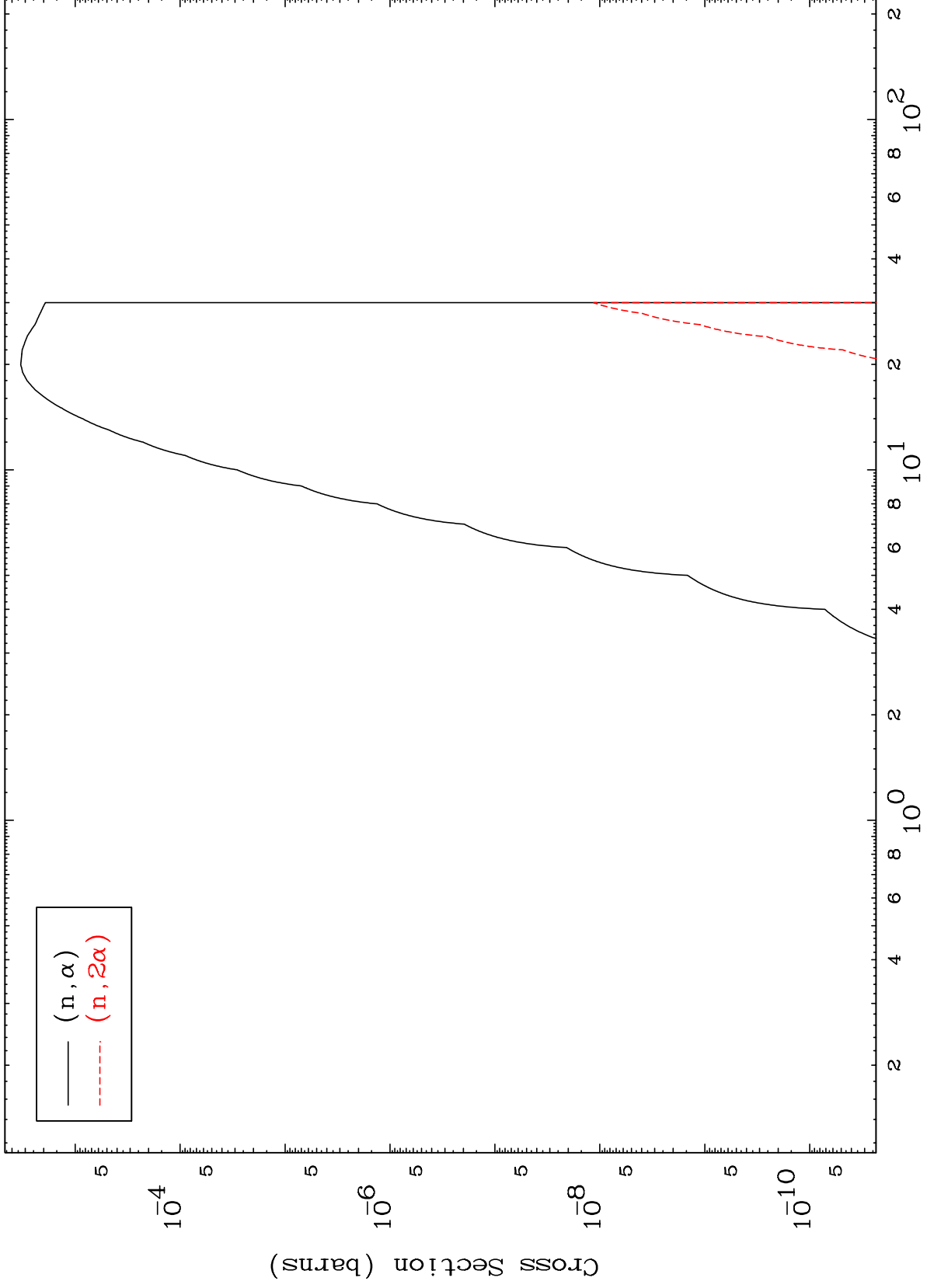
Incident Energy (MeV)

72-Hf-180m

MAT 7244

(p, α) Levels
0 Kelvin Cross Sections

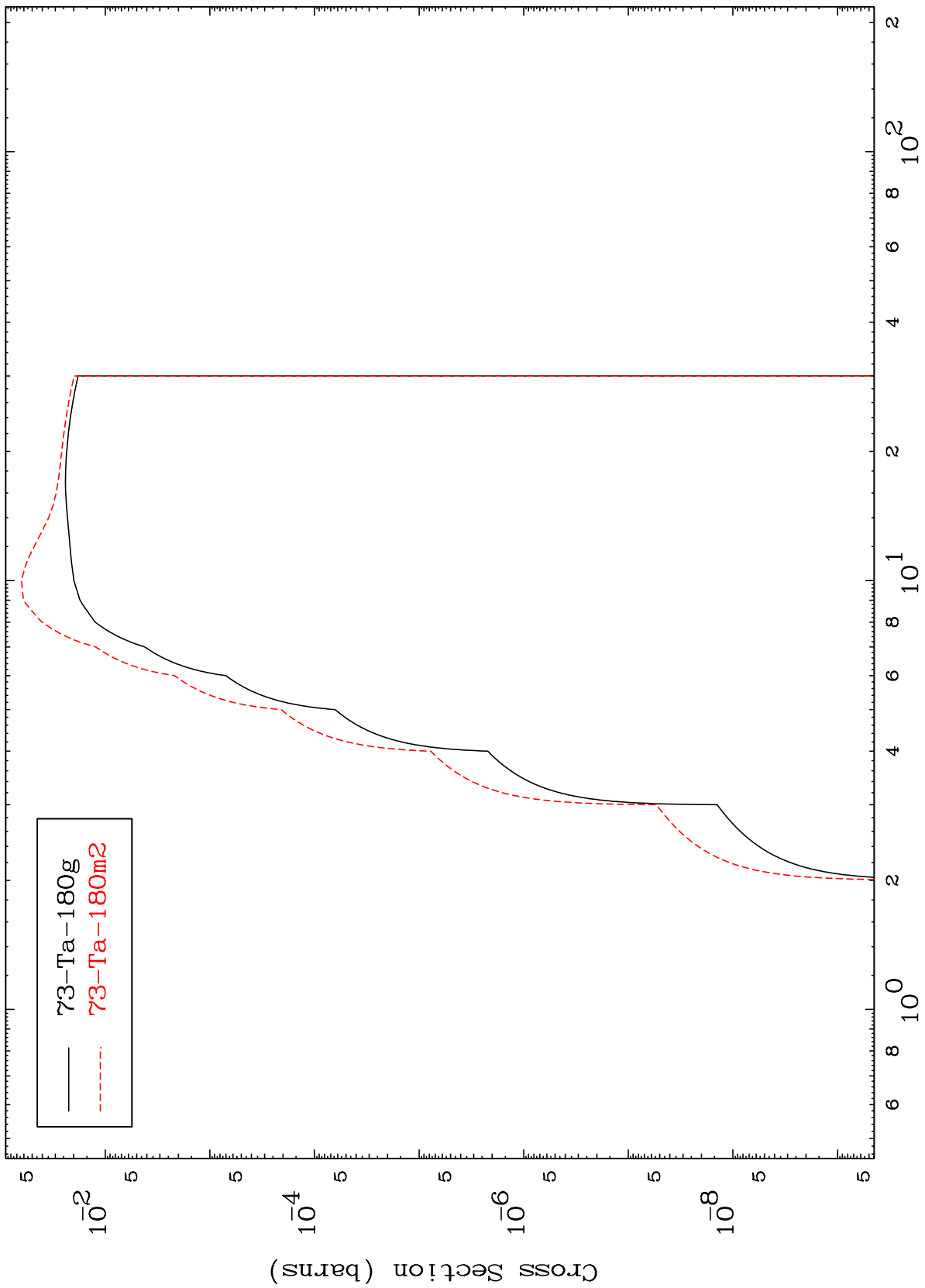
⁷²Hf-180m



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72-Hf-180m

Radionuclide Production Cross Section



73-Ta-180g
73-Ta-180m2

72-Hf-180m

Incident Energy (MeV)

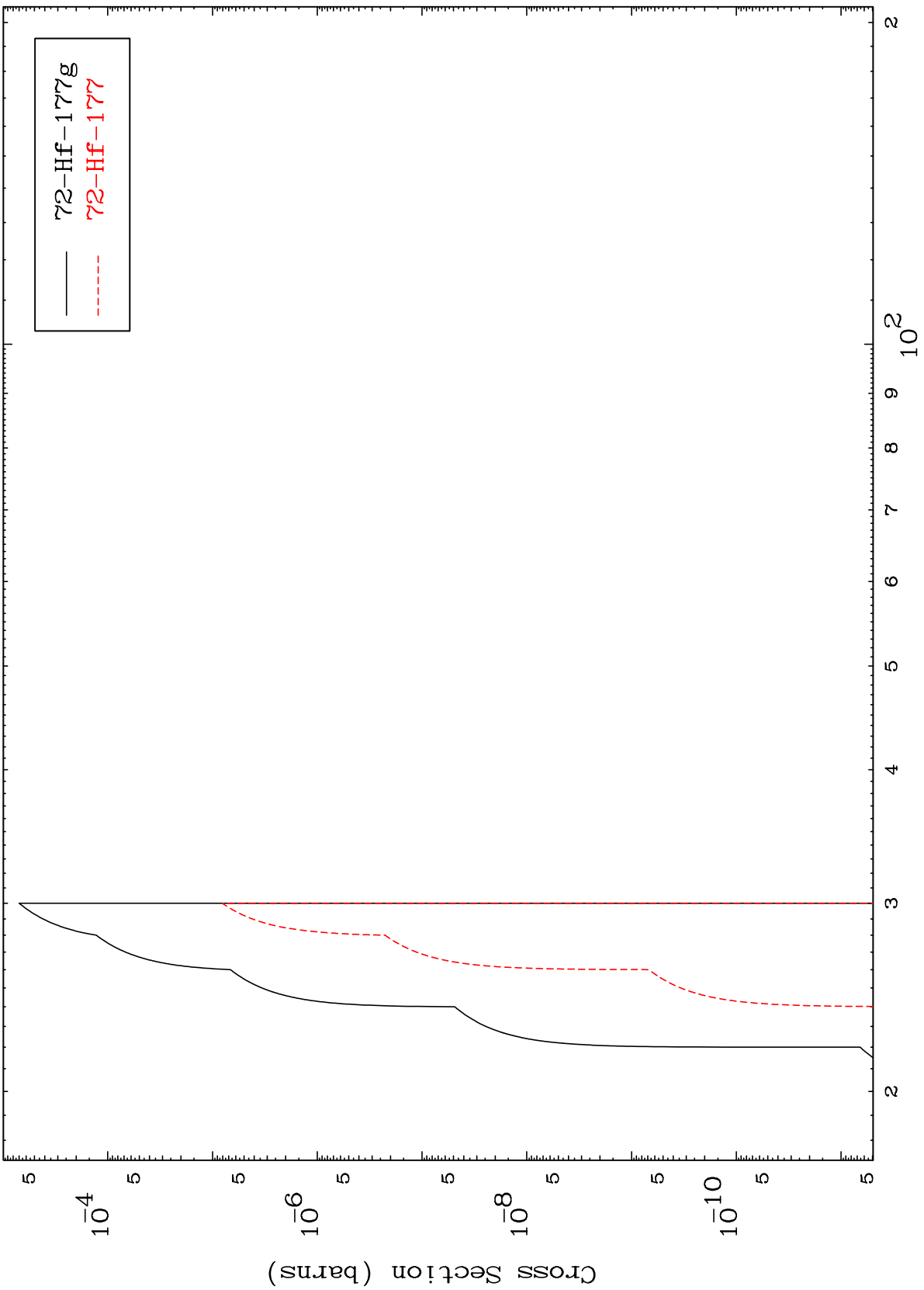
12

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(n,2n) d

⁷²Hf-180m

Radionuclide Production Cross Section



13

Incident Energy (MeV)

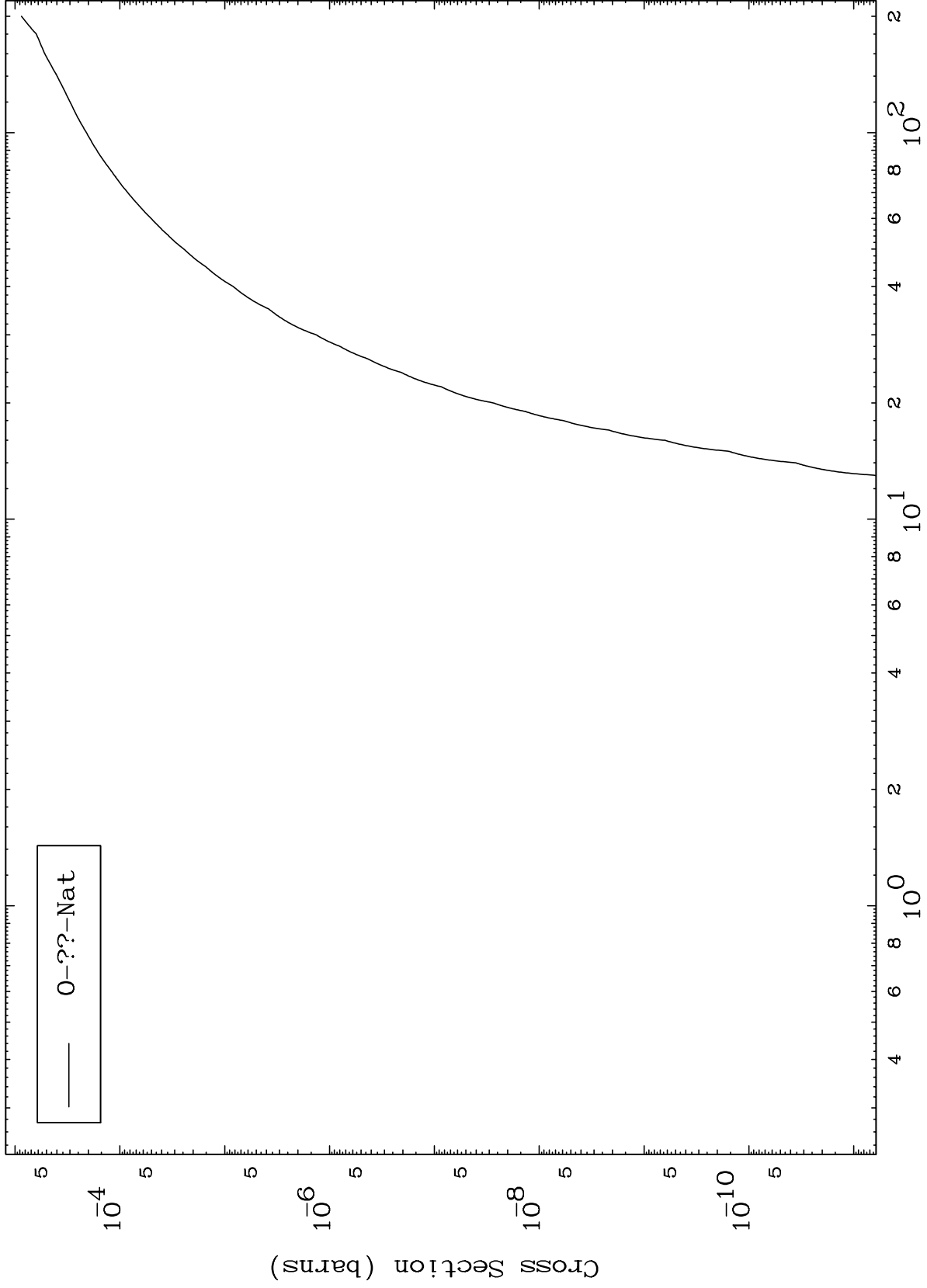
⁷²Hf-180m

MAT 7244

Fission

⁷²Hf-180m

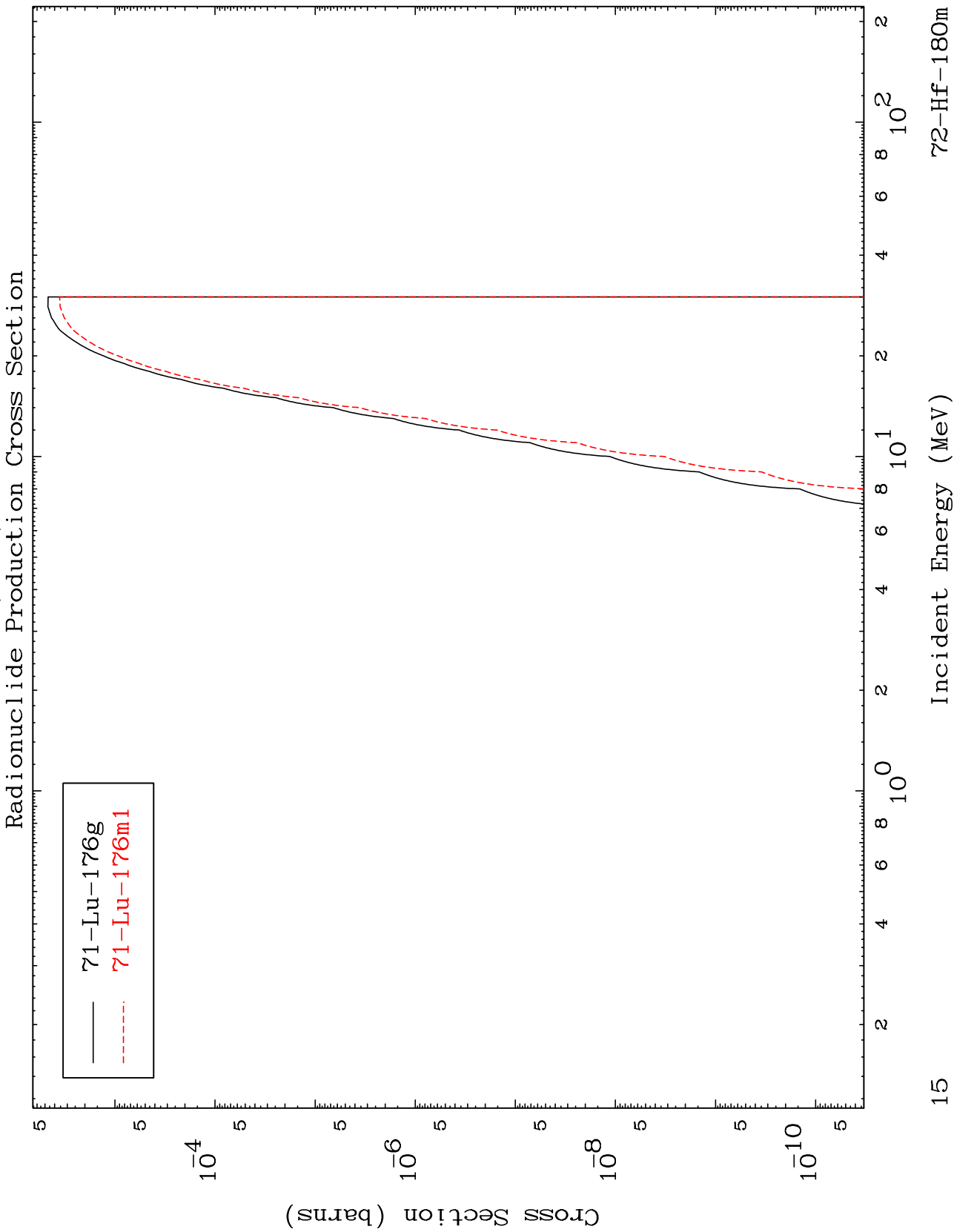
Radionuclide Production Cross Section



MAT 7244

$(n, n') \alpha$

$^{72}\text{Hf}-180\text{m}$



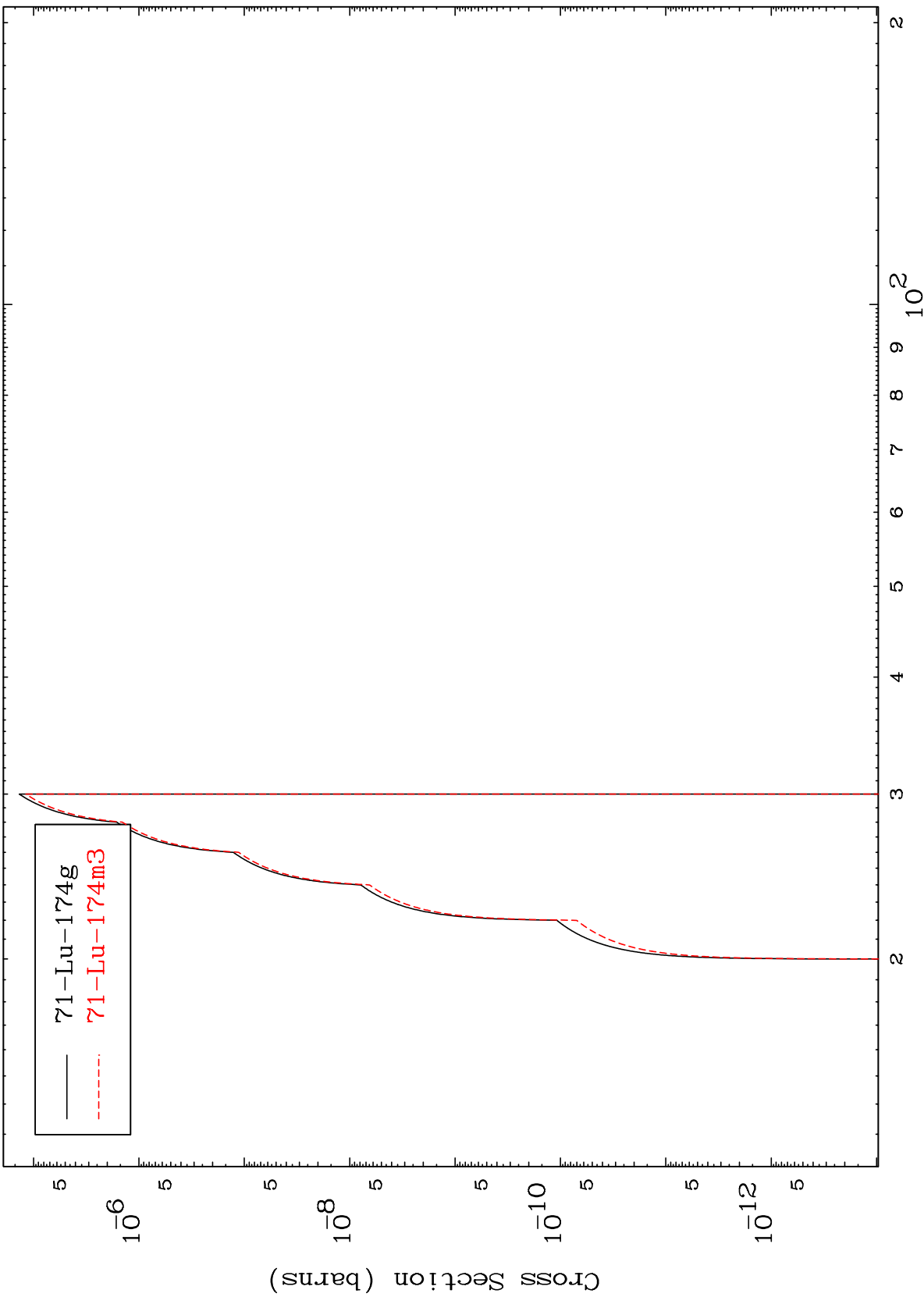
— $^{71}\text{Lu}-176\text{g}$
- - - $^{71}\text{Lu}-176\text{m1}$

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(n,3n) α

^{72}Hf -180m

Radionuclide Production Cross Section

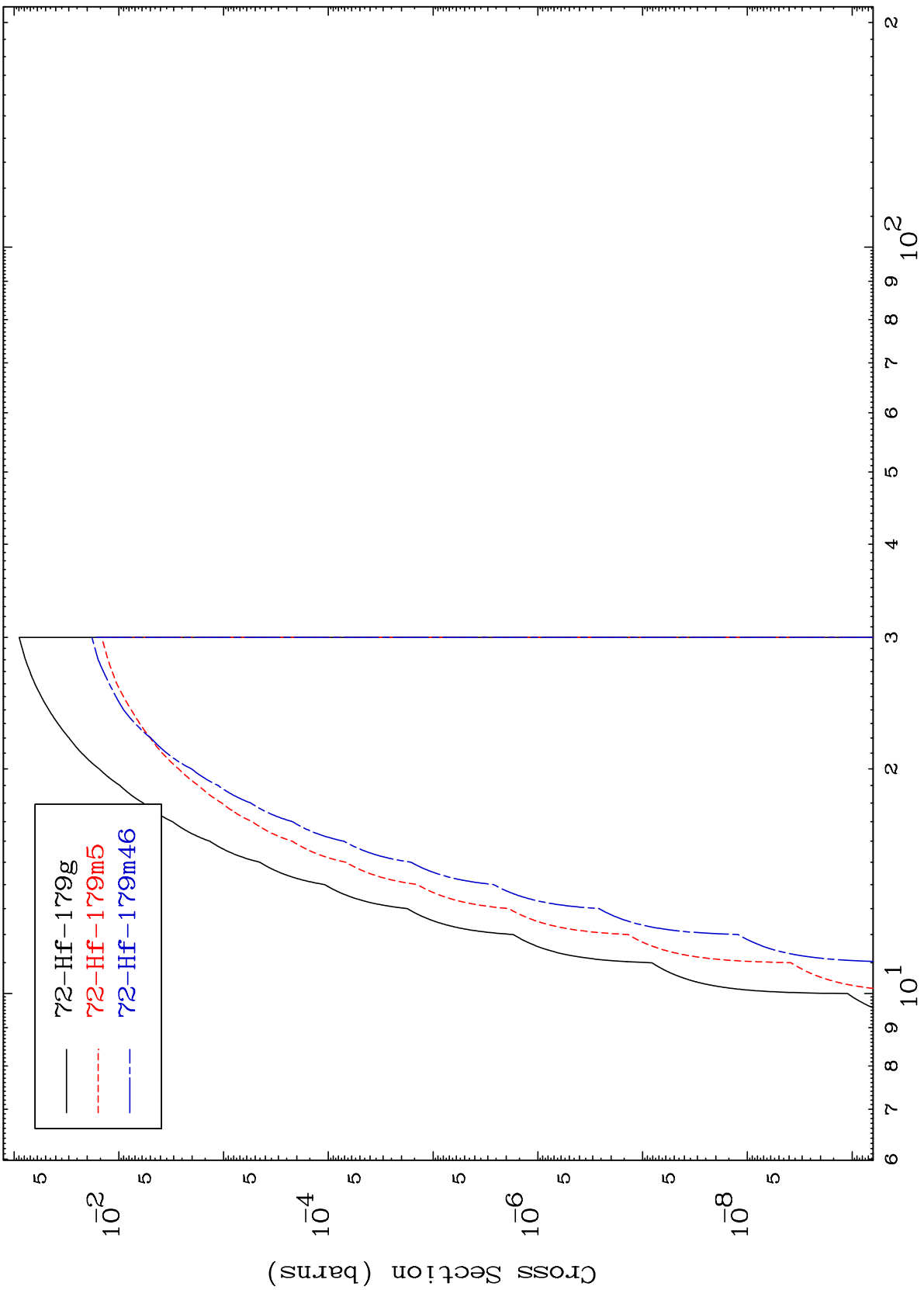


MAT 7244

(n,n') p

⁷²Hf-180m

Radionuclide Production Cross Section



17

Incident Energy (MeV)

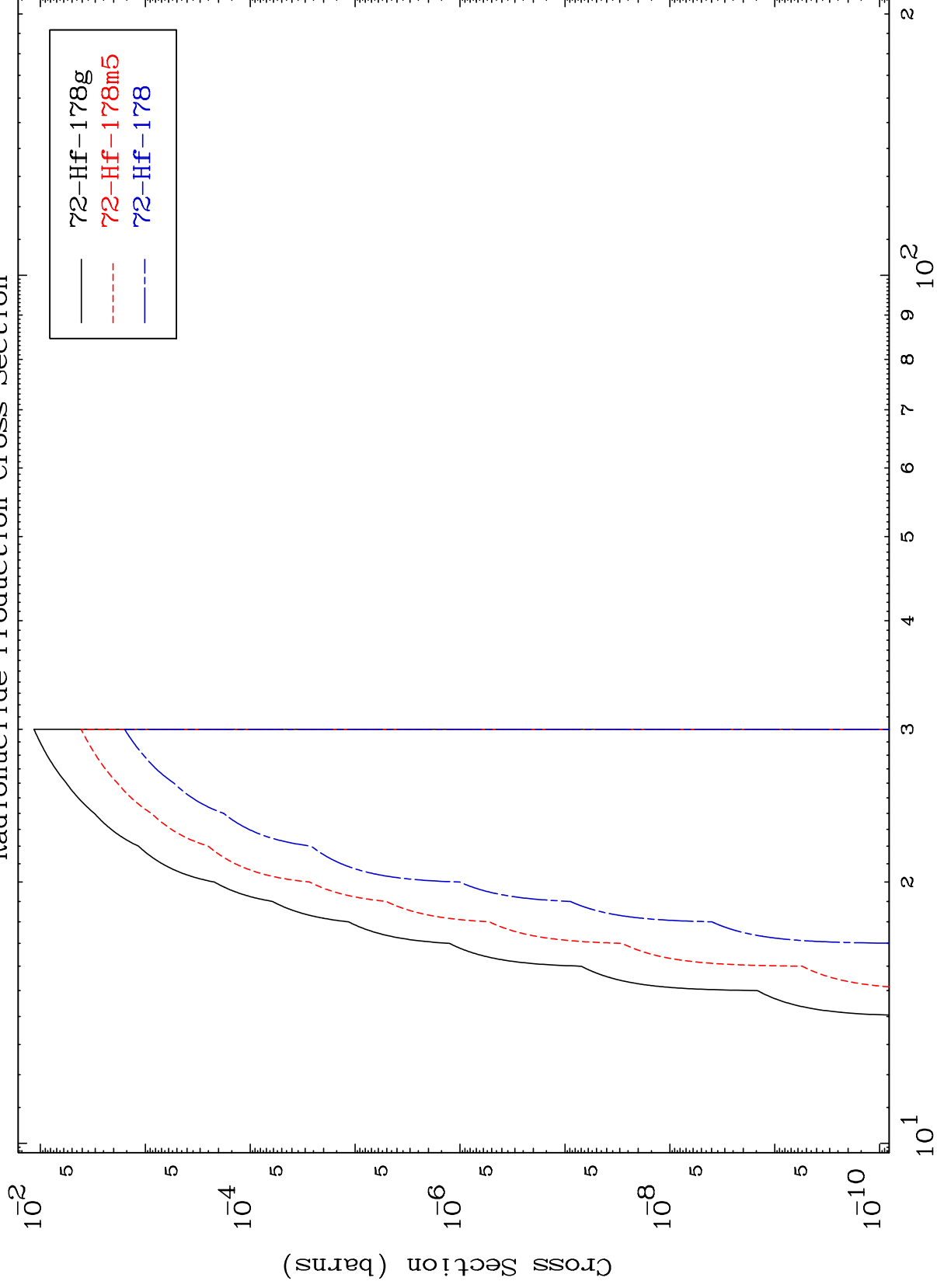
⁷²Hf-180m

MAT 7244

(n,n') d

72-Hf-180m

Radionuclide Production Cross Section



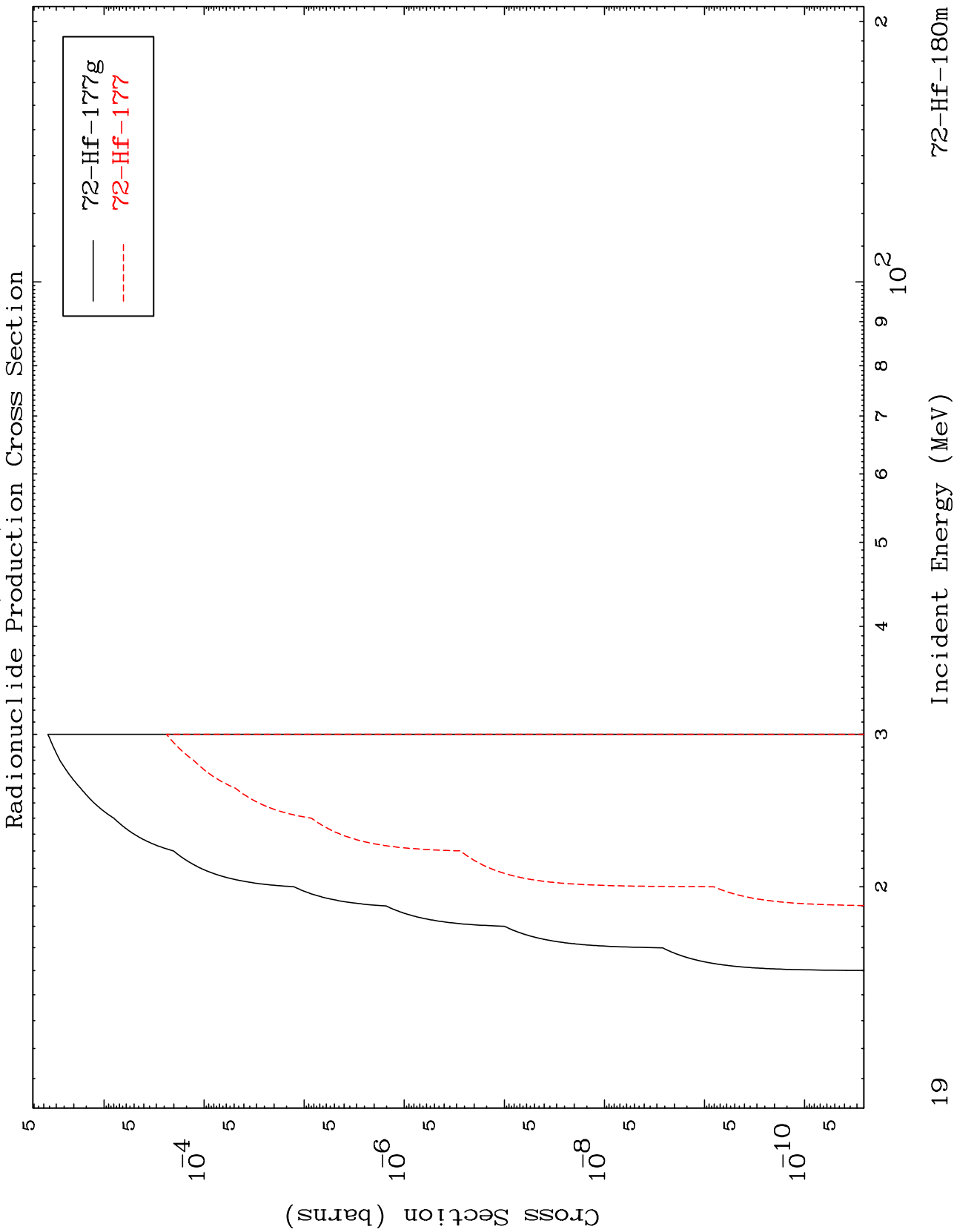
Incident Energy (MeV)

72-Hf-180m

MAT 7244

(n,n') t

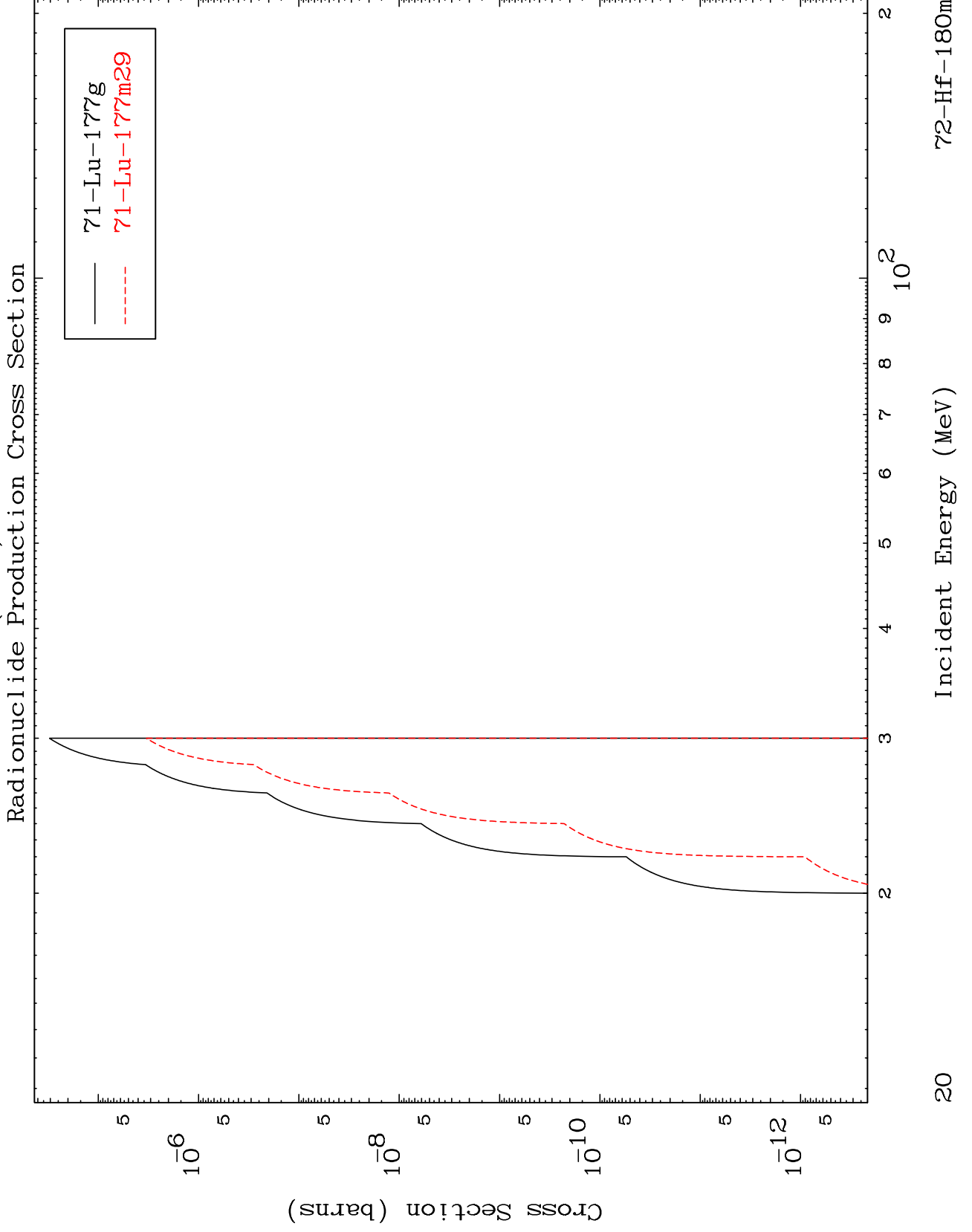
72-Hf-180m



19

Incident Energy (MeV)

72-Hf-180m

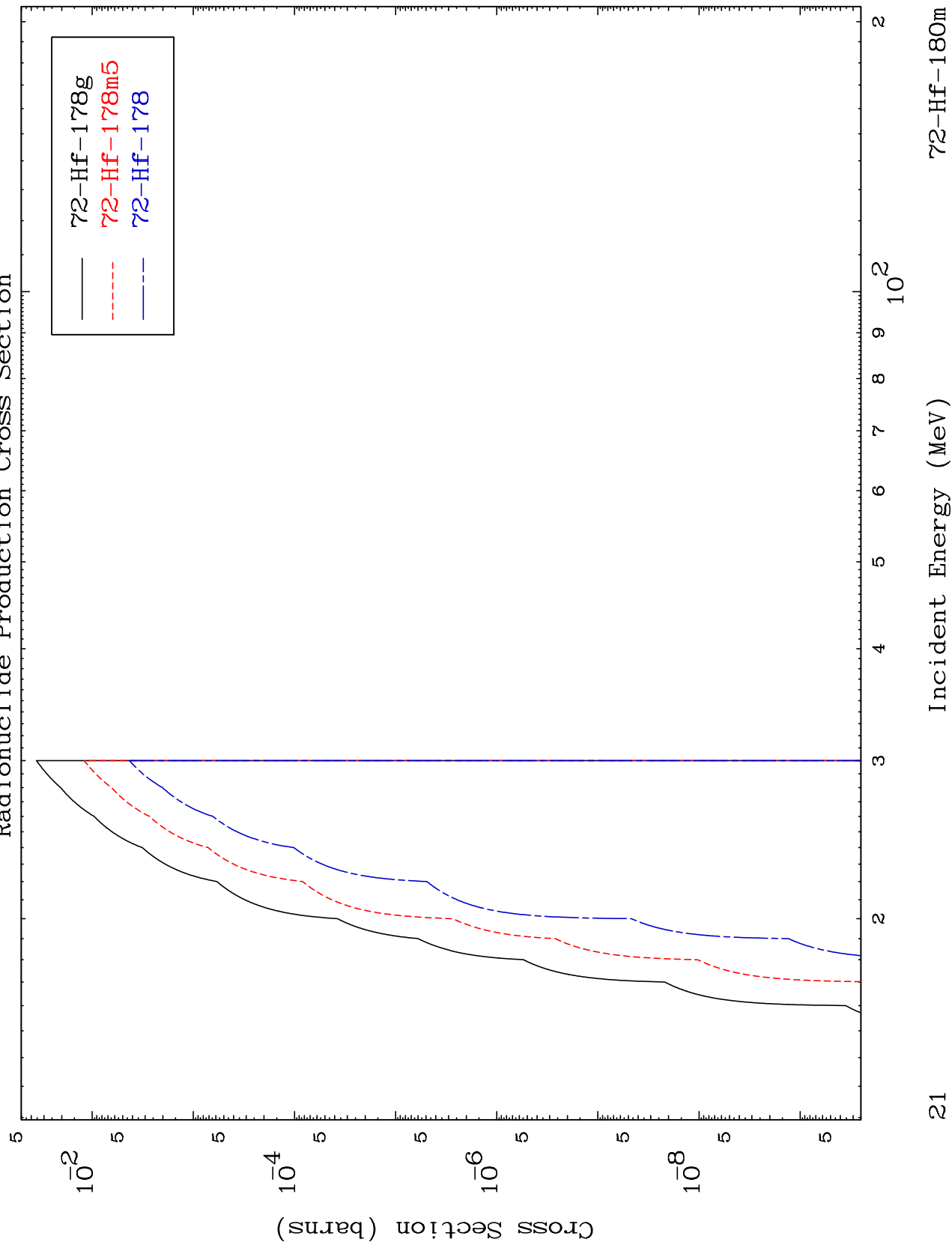


MAT 7244

(n,2n) p

⁷²Hf-180m

Radionuclide Production Cross Section

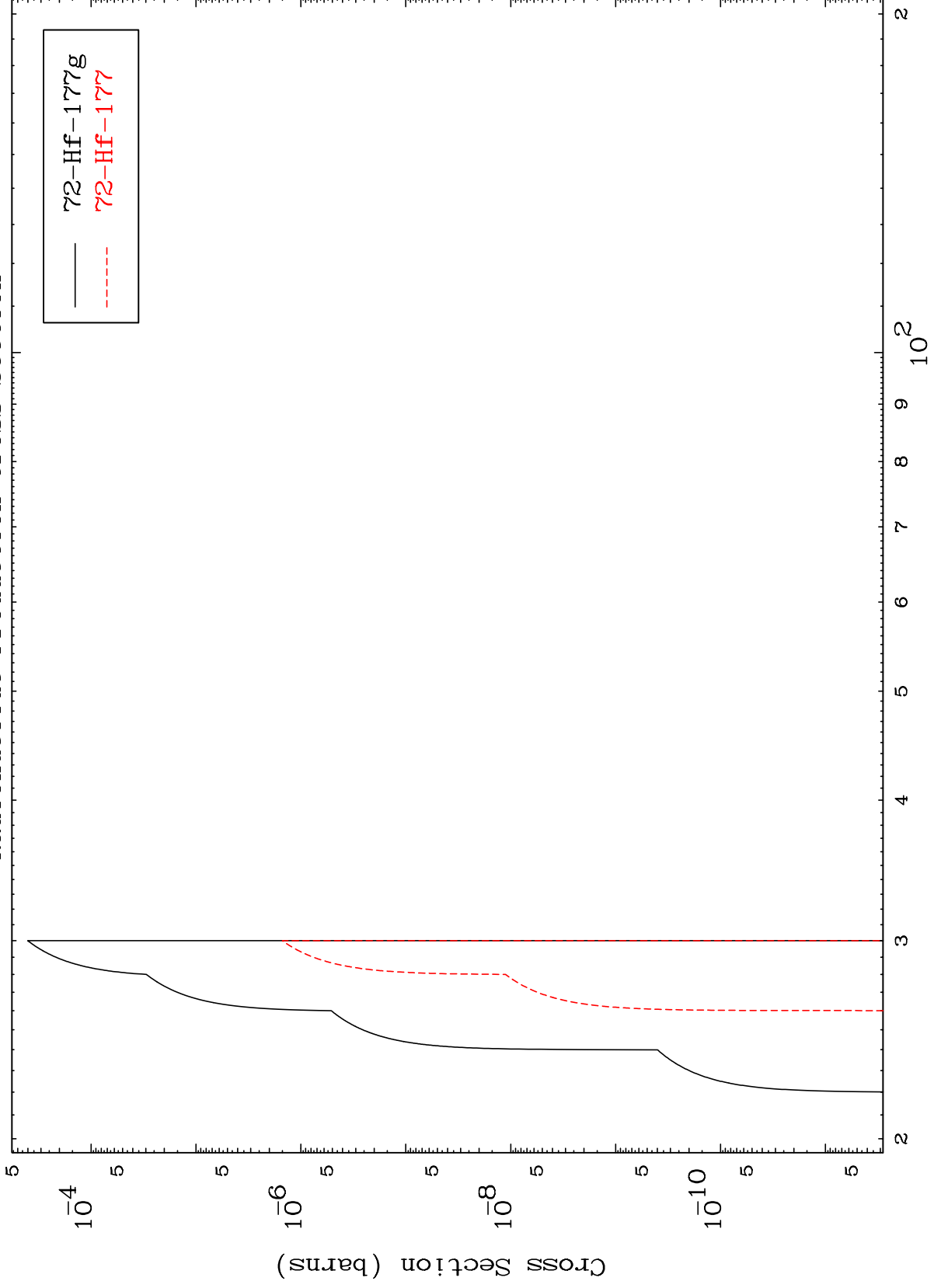


MAT 7244

(n,3n) p

⁷²Hf-180m

Radionuclide Production Cross Section



22

Incident Energy (MeV)

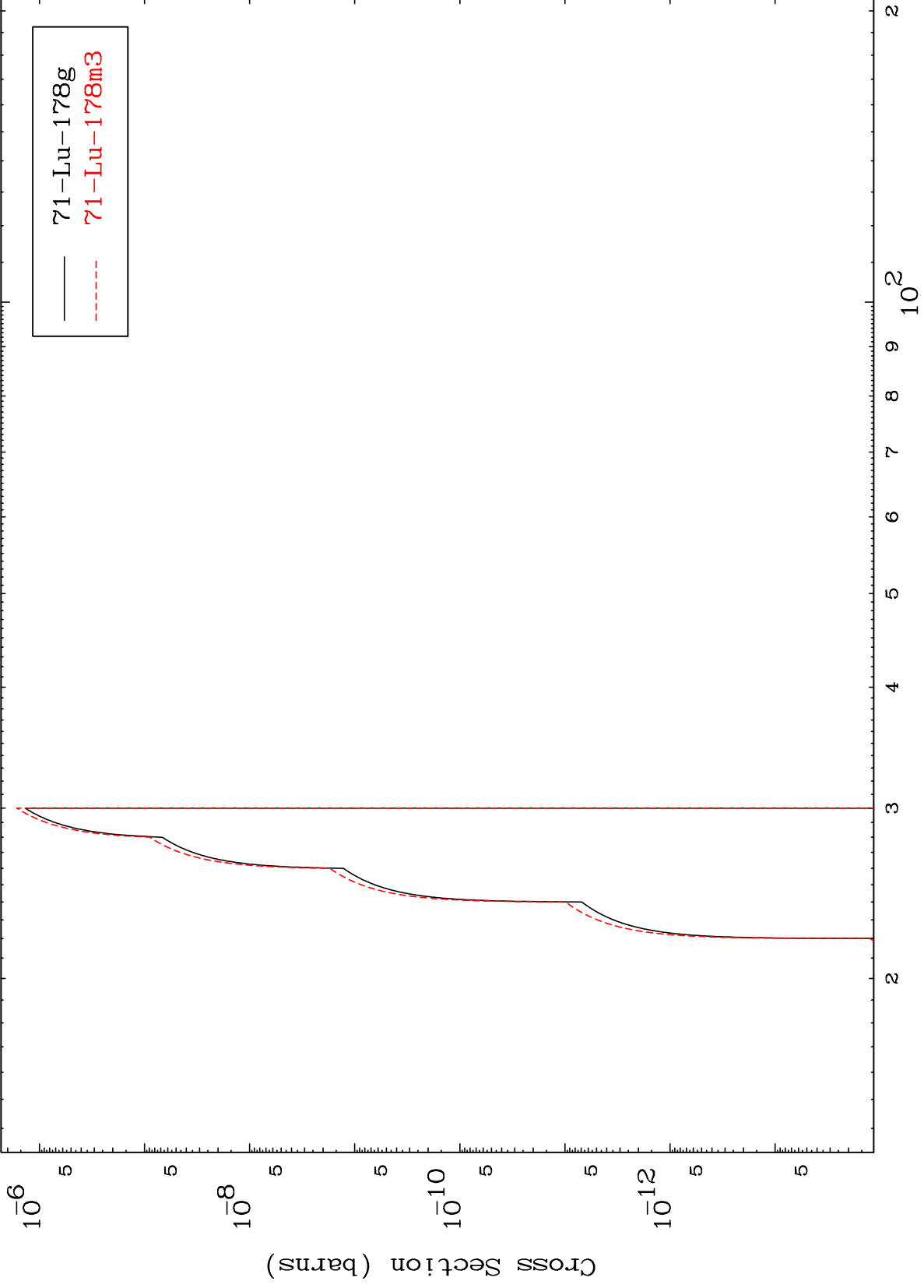
⁷²Hf-180m

MAT 7244

(n,2n) p

72-Hf-180m

Radionuclide Production Cross Section



23

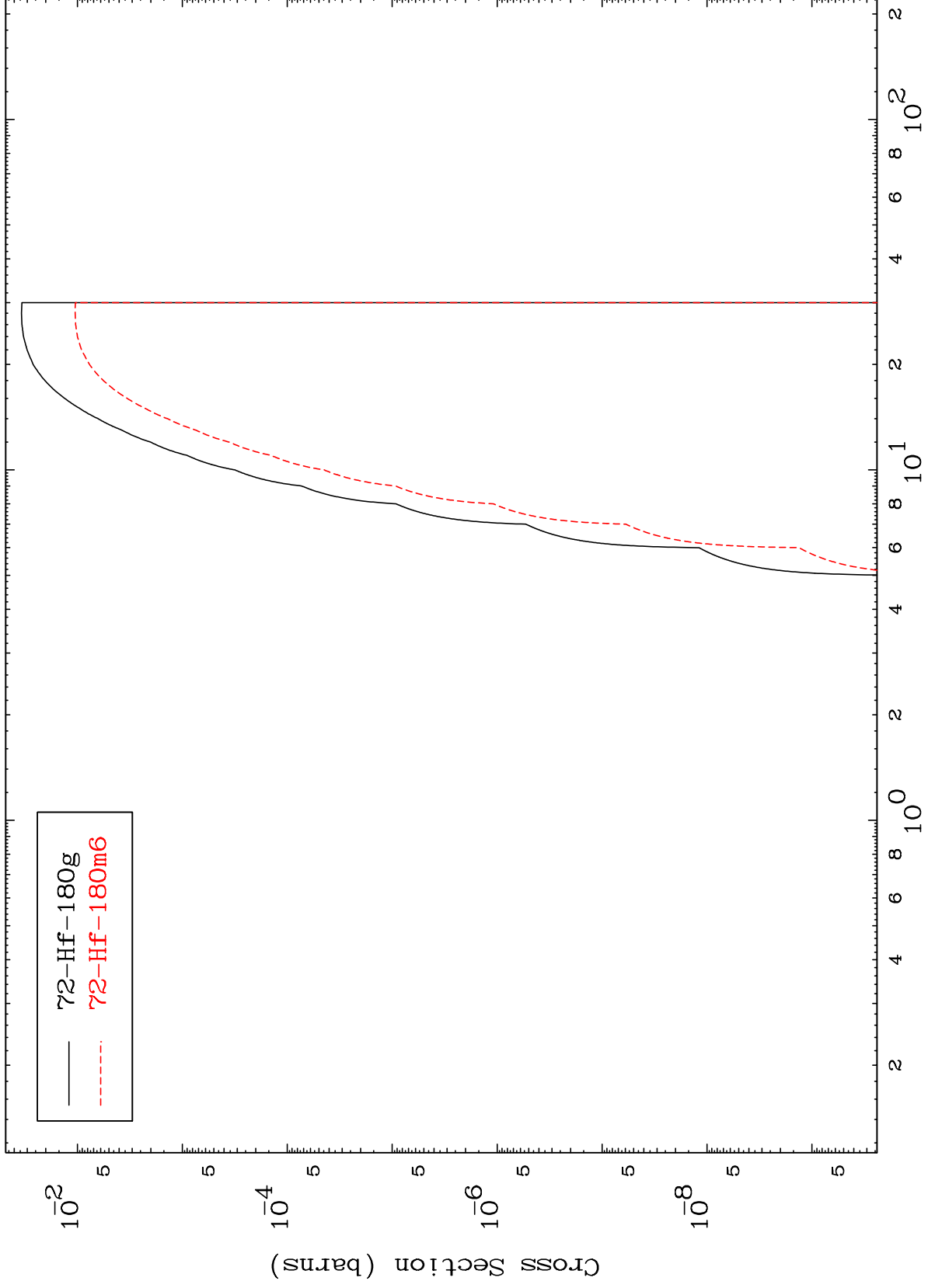
Incident Energy (MeV)

72-Hf-180m

MAT 7244

⁷²Hf-180m

Radionuclide Production Cross Section (n,p)



24

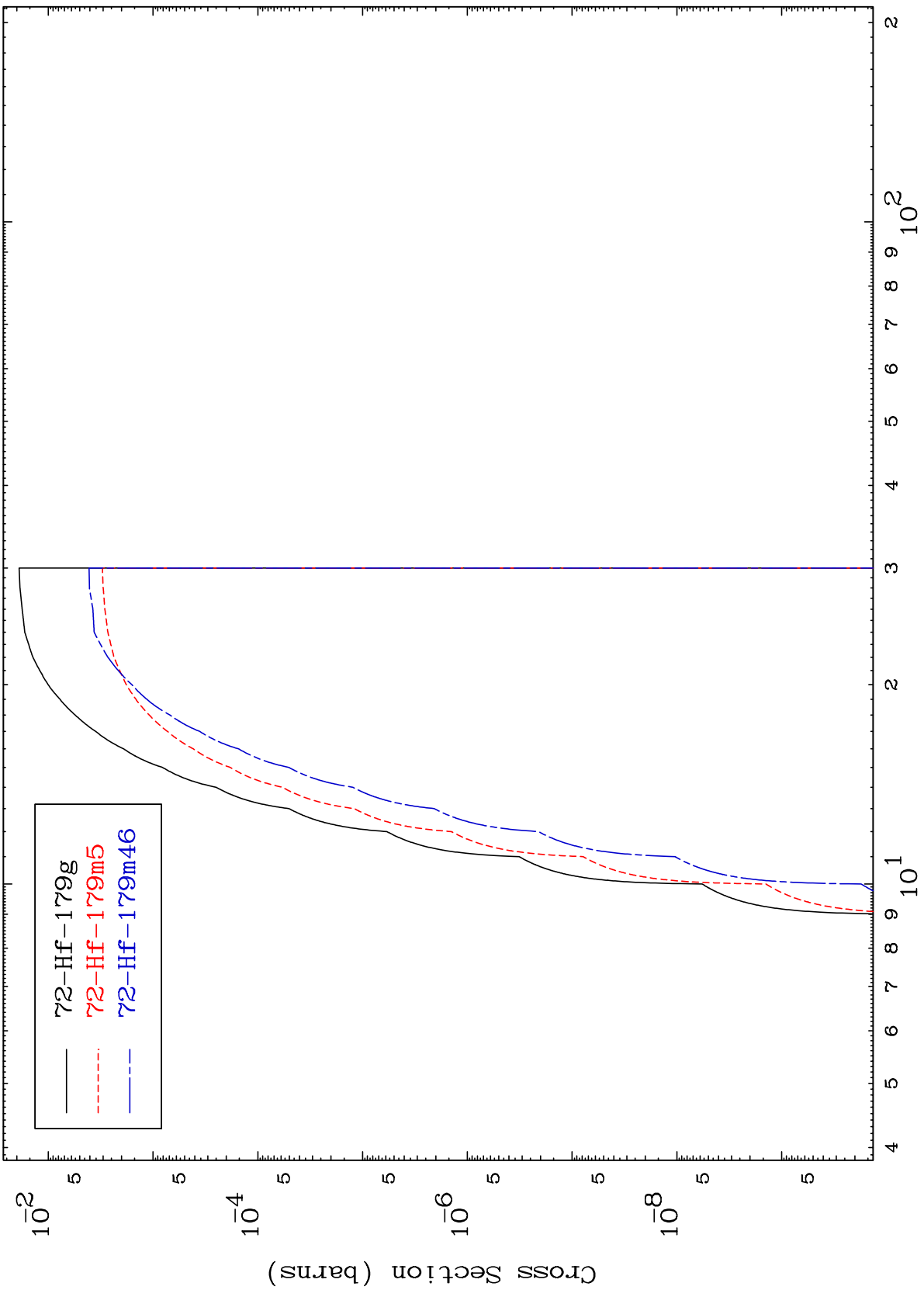
⁷²Hf-180m

Incident Energy (MeV)

MAT 7244

72-Hf-180m

(n,d)
Radionuclide Production Cross Section



72-Hf-179g
72-Hf-179m5
72-Hf-179m46

25

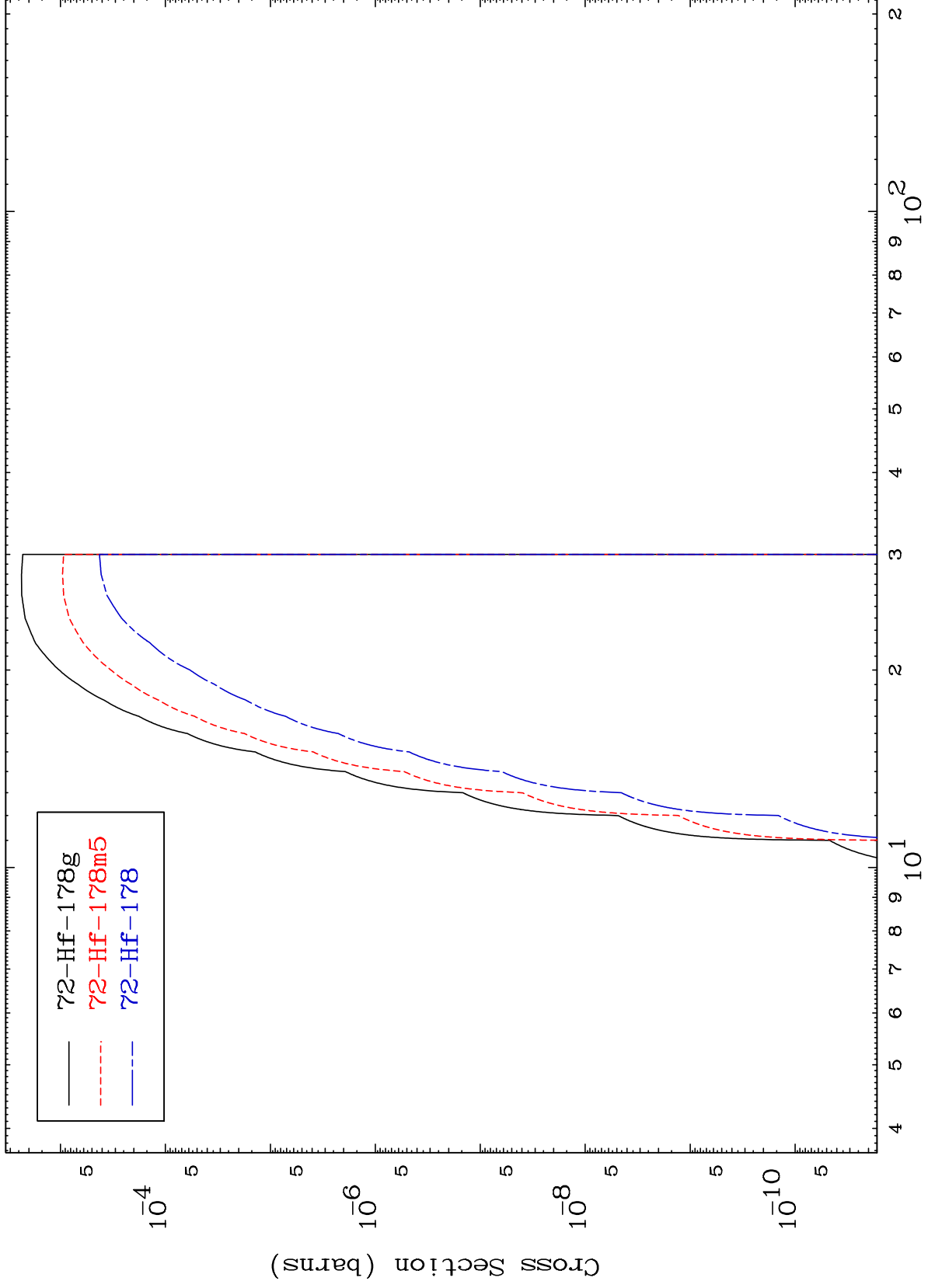
Incident Energy (MeV)

72-Hf-180m

MAT 7244

⁷²Hf-180m

Radionuclide Production Cross Section (n, t)



26

Incident Energy (MeV)

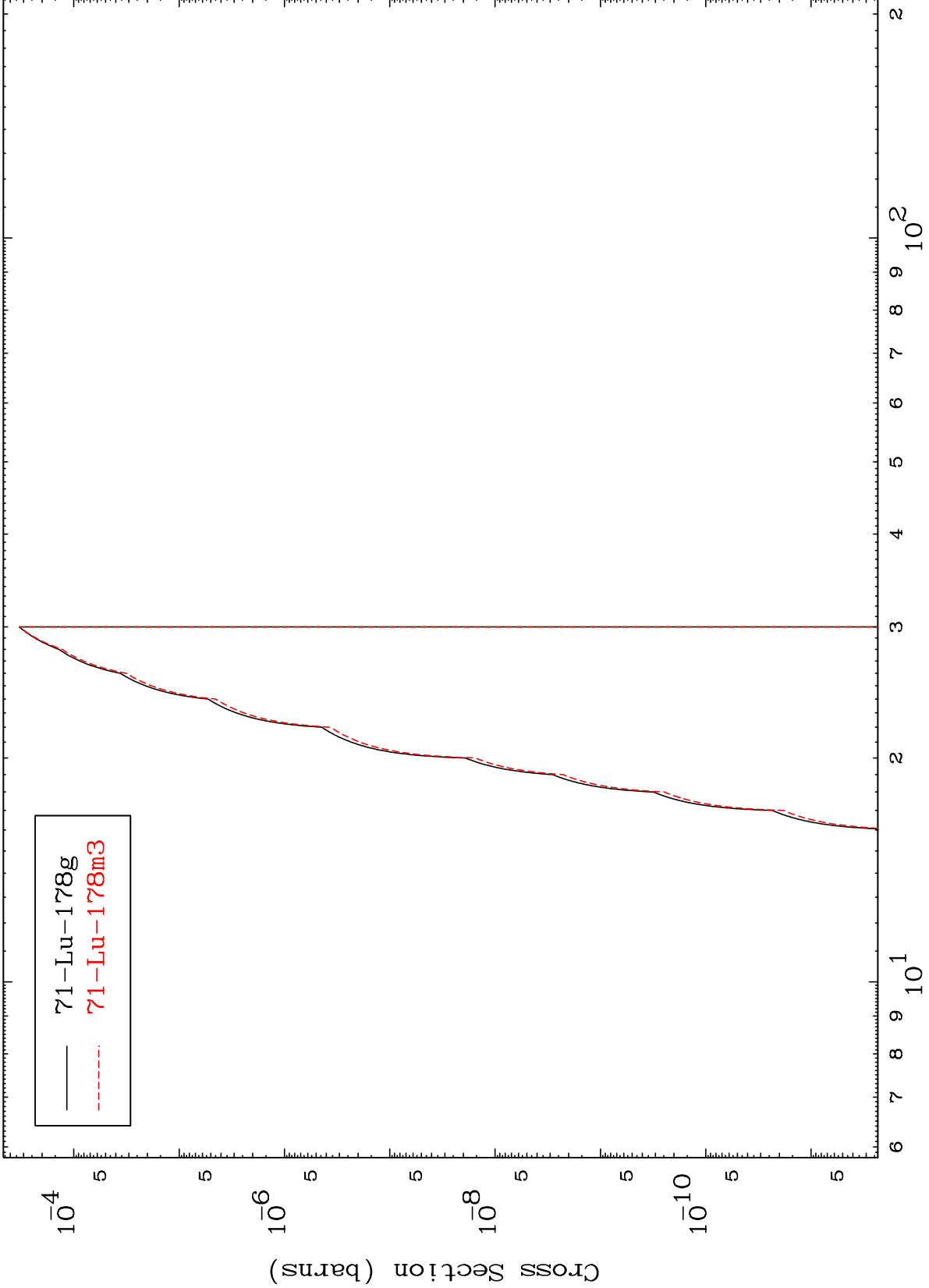
⁷²Hf-180m

MAT 7244

(n,He-3)

72-Hf-180m

Radionuclide Production Cross Section



27

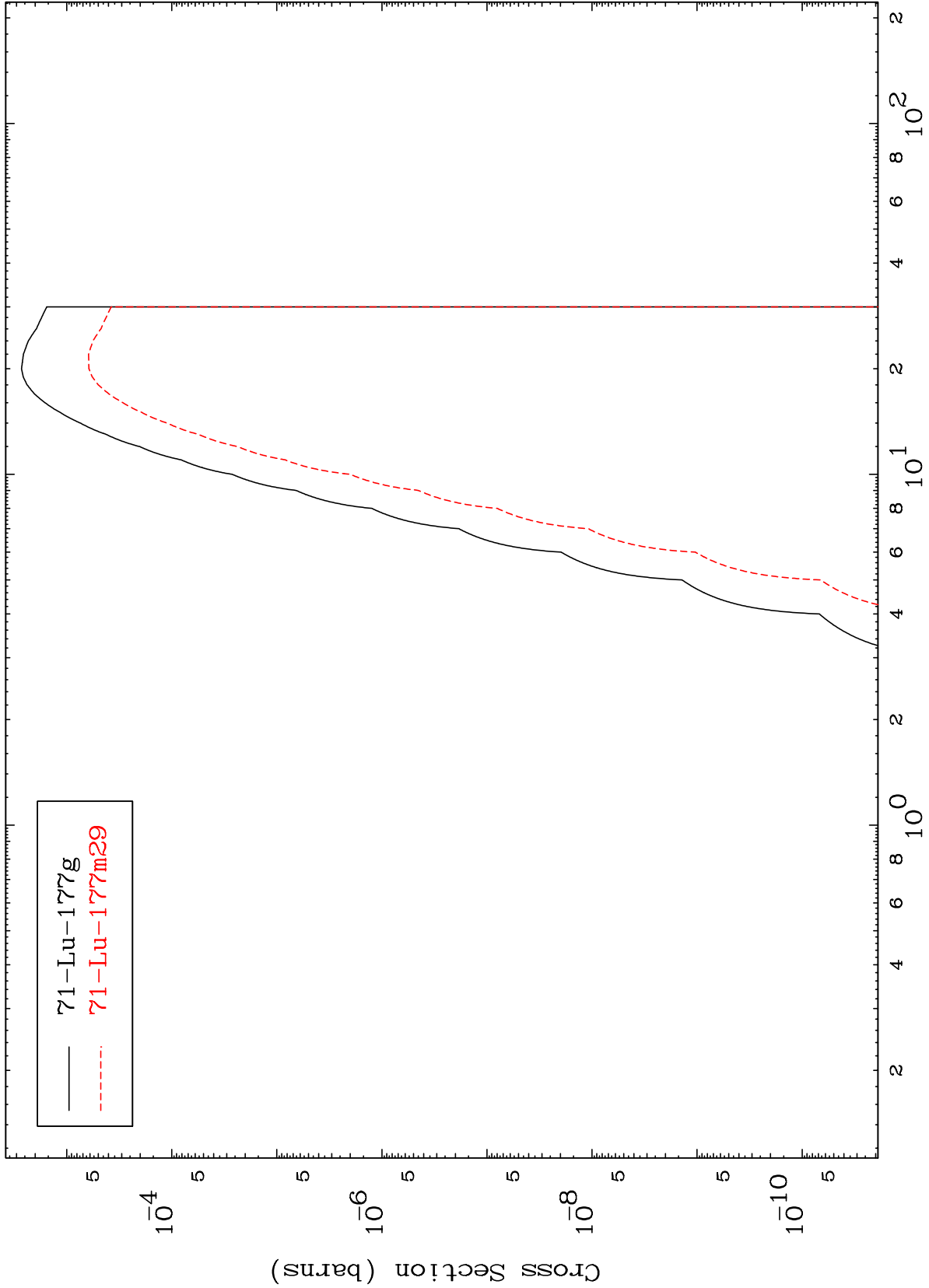
Incident Energy (MeV)

72-Hf-180m

MAT 7244

72-Hf-180m

Radionuclide Production Cross Section
(n, α)

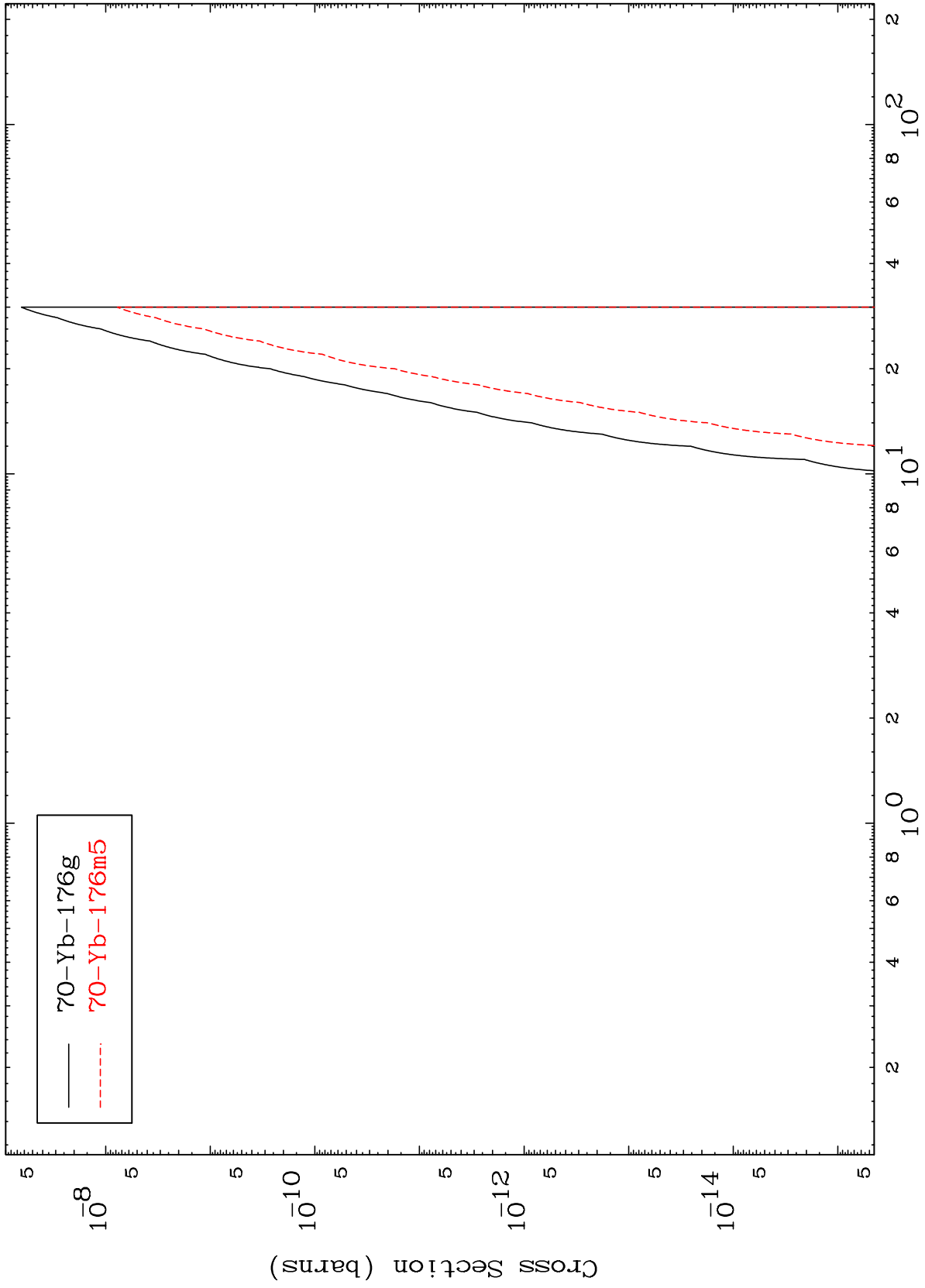


MAT 7244

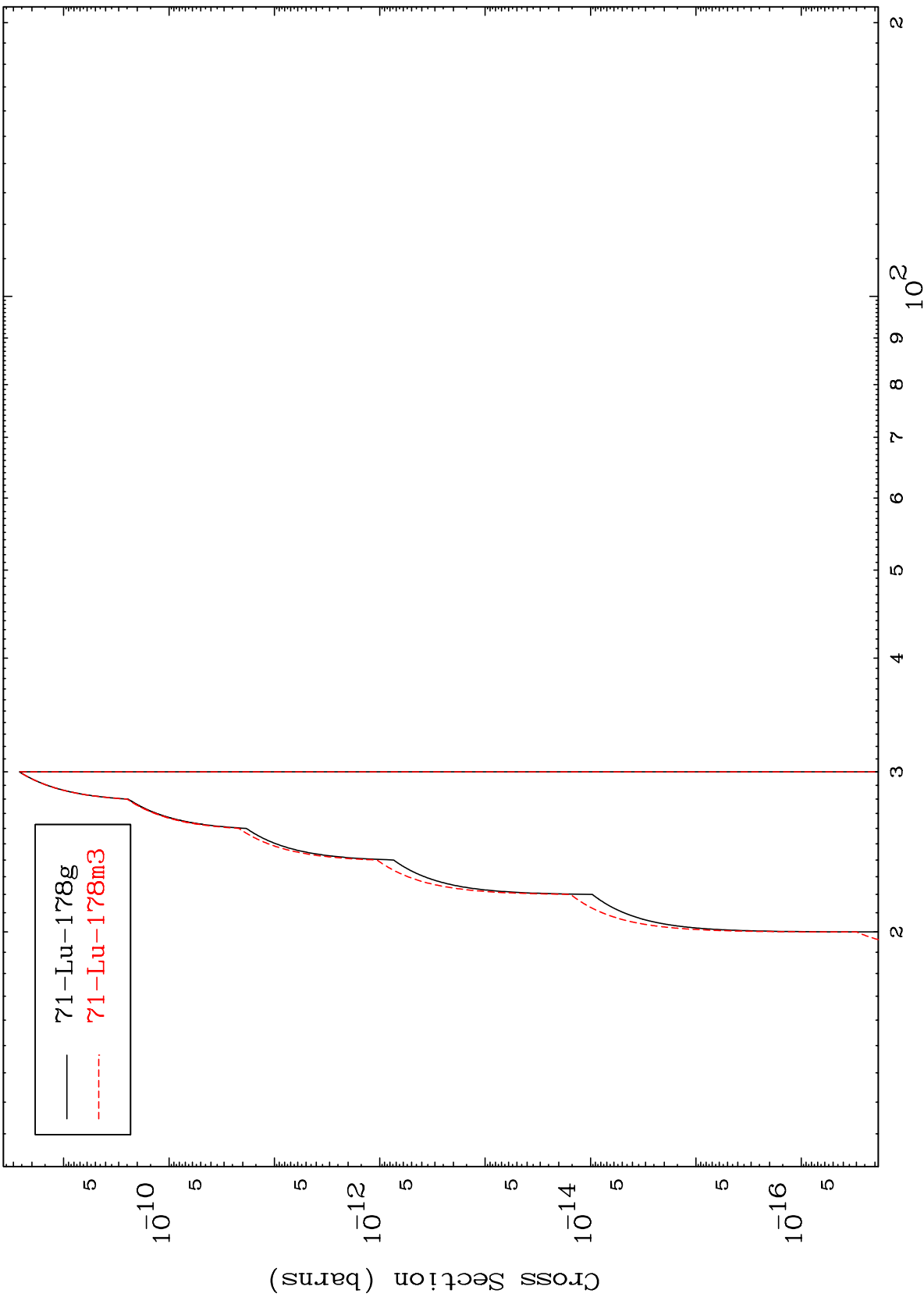
(n,p) α

72-Hf-180m

Radionuclide Production Cross Section



Radionuclide Production Cross Section

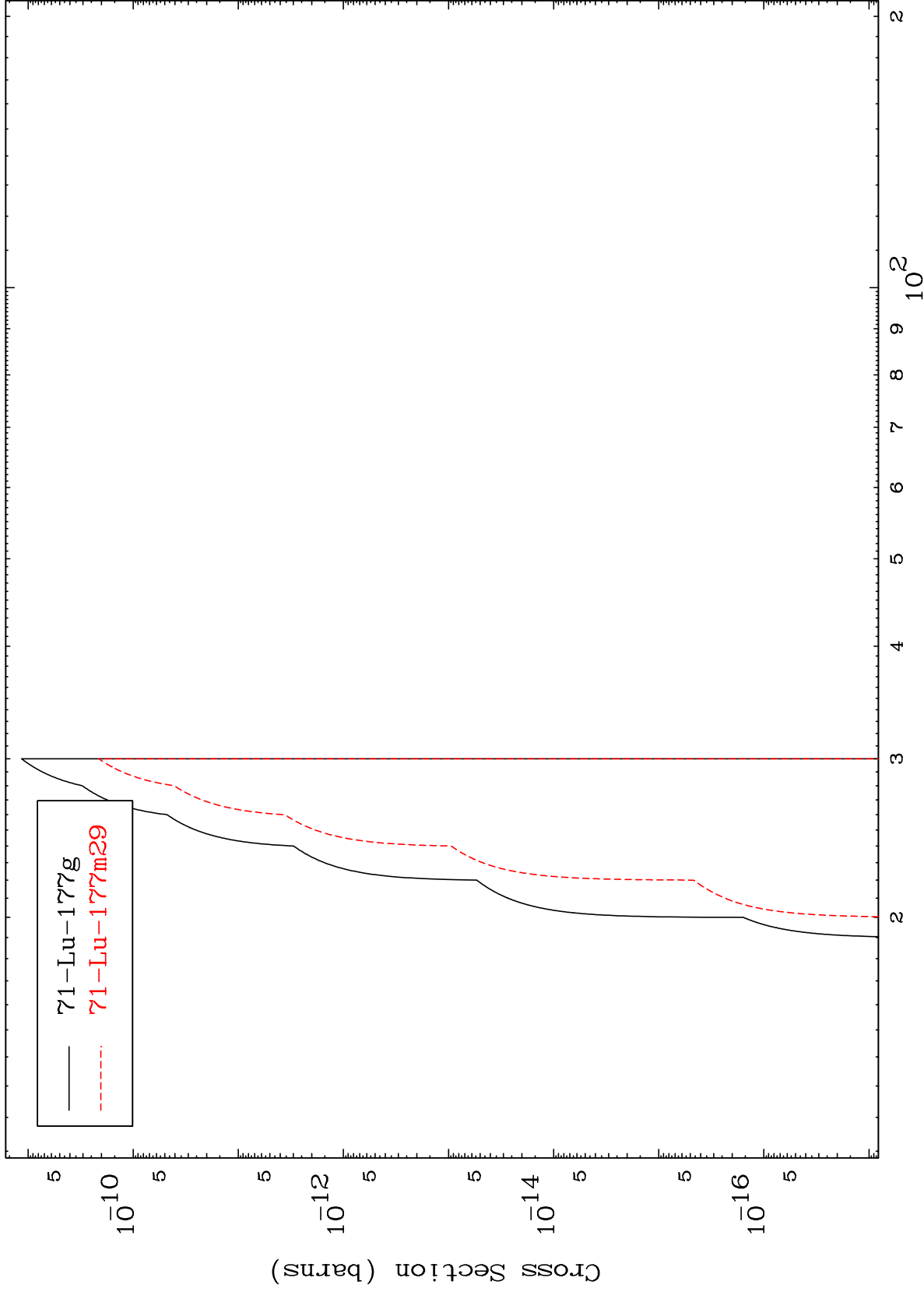


MAT 7244

(n,p) t

⁷²Hf-180m

Radionuclide Production Cross Section



Incident Energy (MeV)

⁷²Hf-180m

31