

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

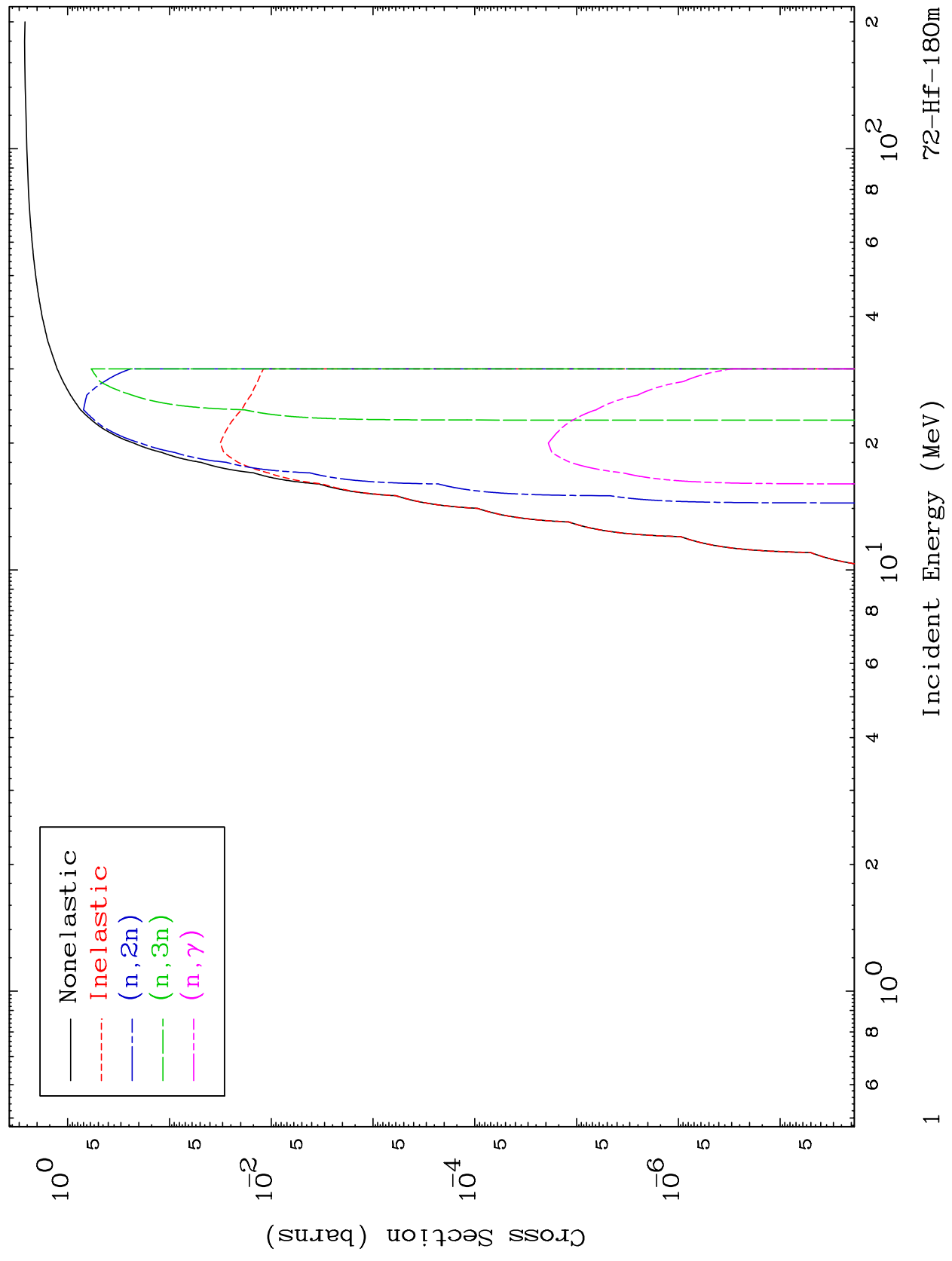
Press Mouse Button to Start

MAT 7244

0 Kelvin

α Major

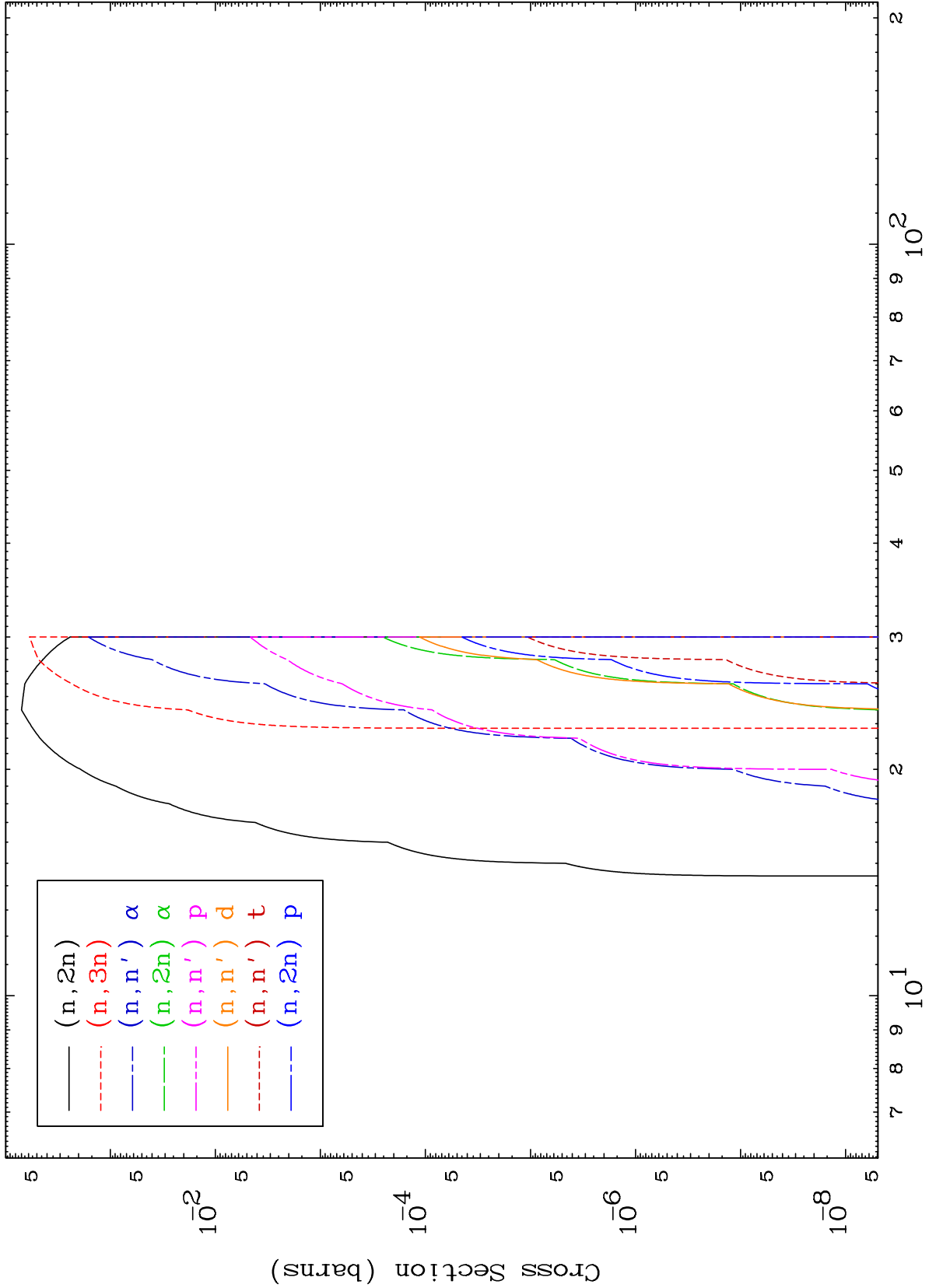
72-Hf-180m



MAT 7244

α Neutron Absorption
0 Kelvin Cross Sections

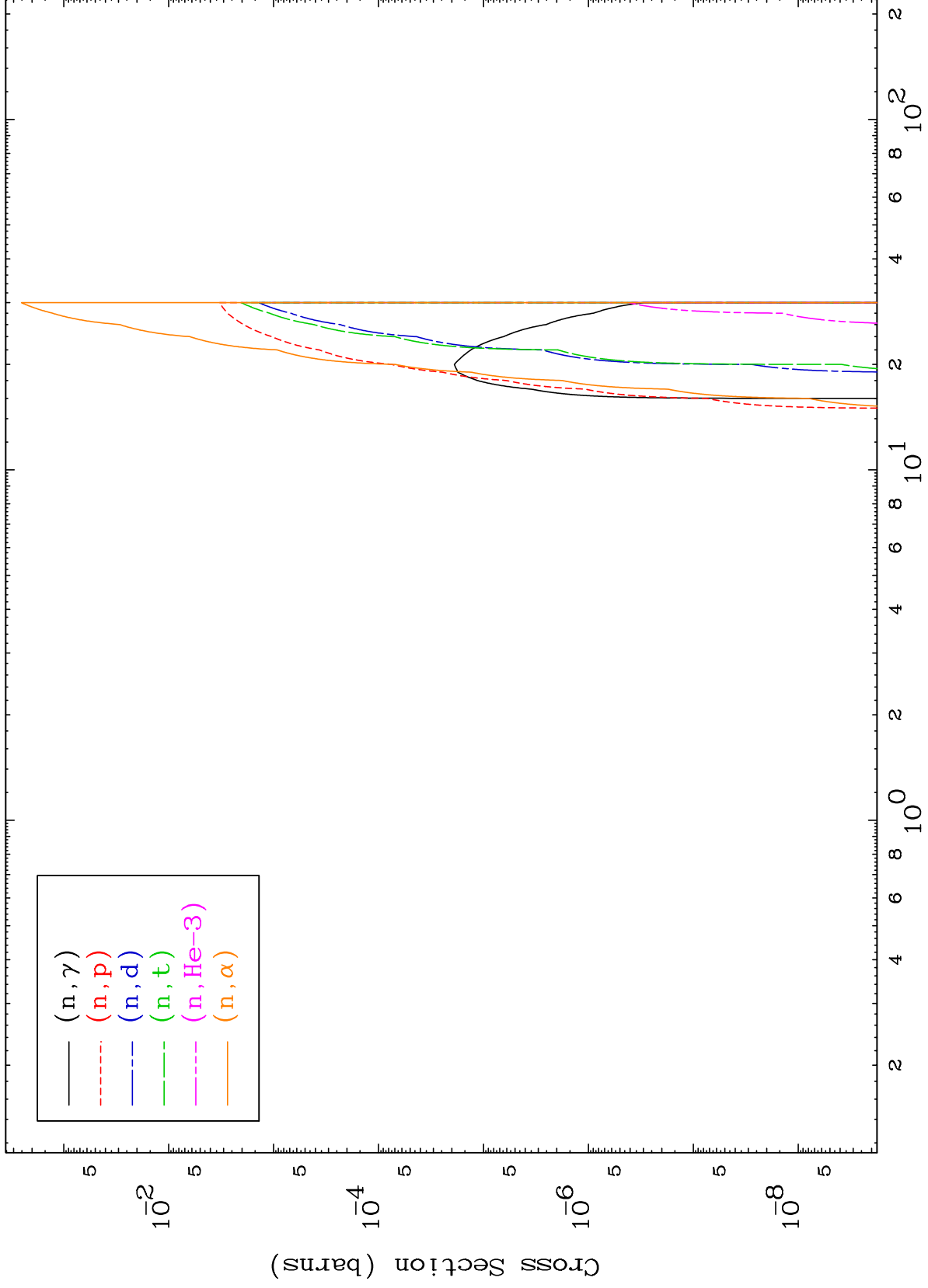
⁷²Hf-180m



MAT 7244

α Neutron Absorption
0 Kelvin Cross Sections

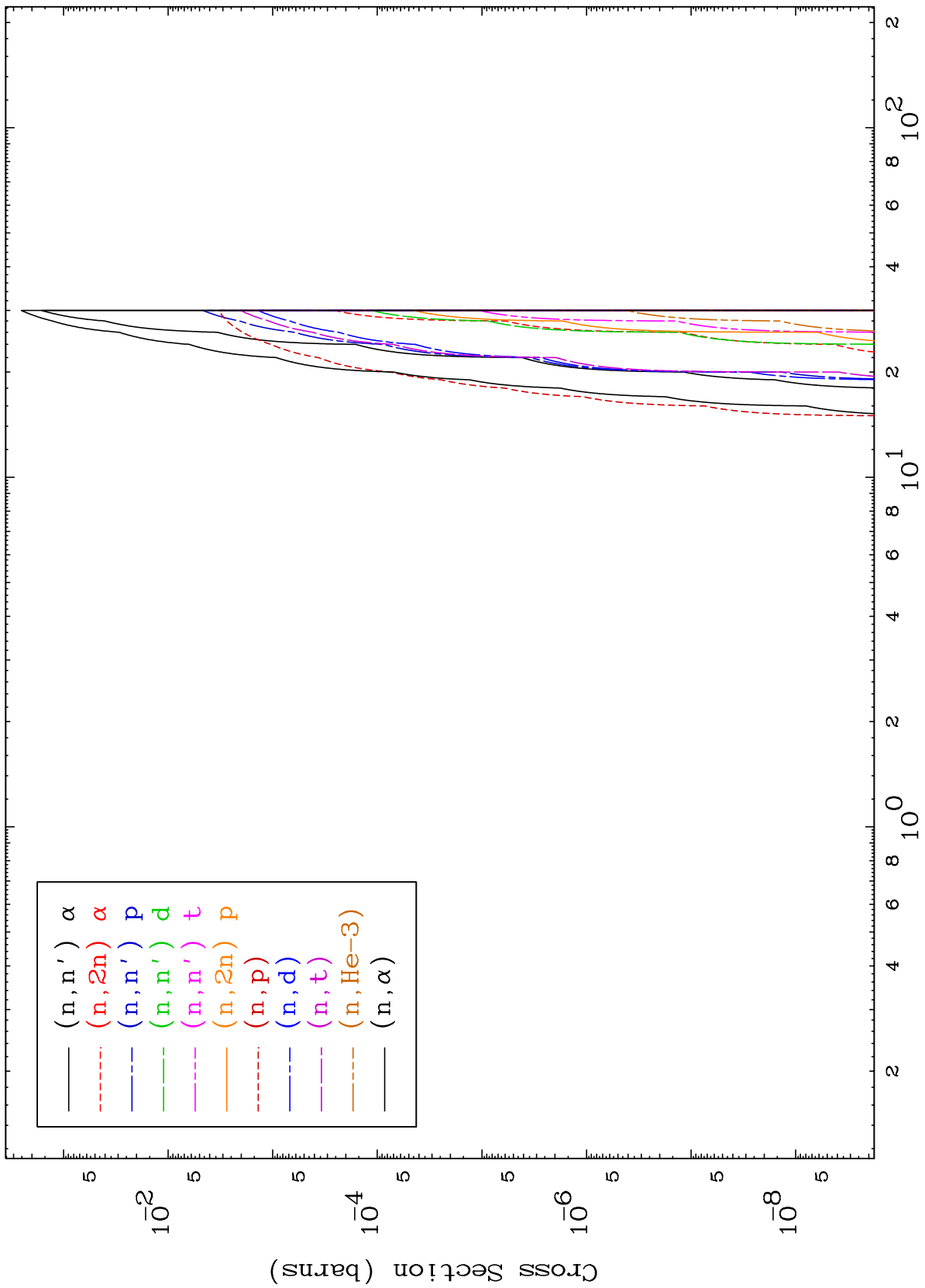
⁷²Hf-180m



MAT 7244

α Charged Particle
0 Kelvin Cross Sections

⁷²Hf-180m

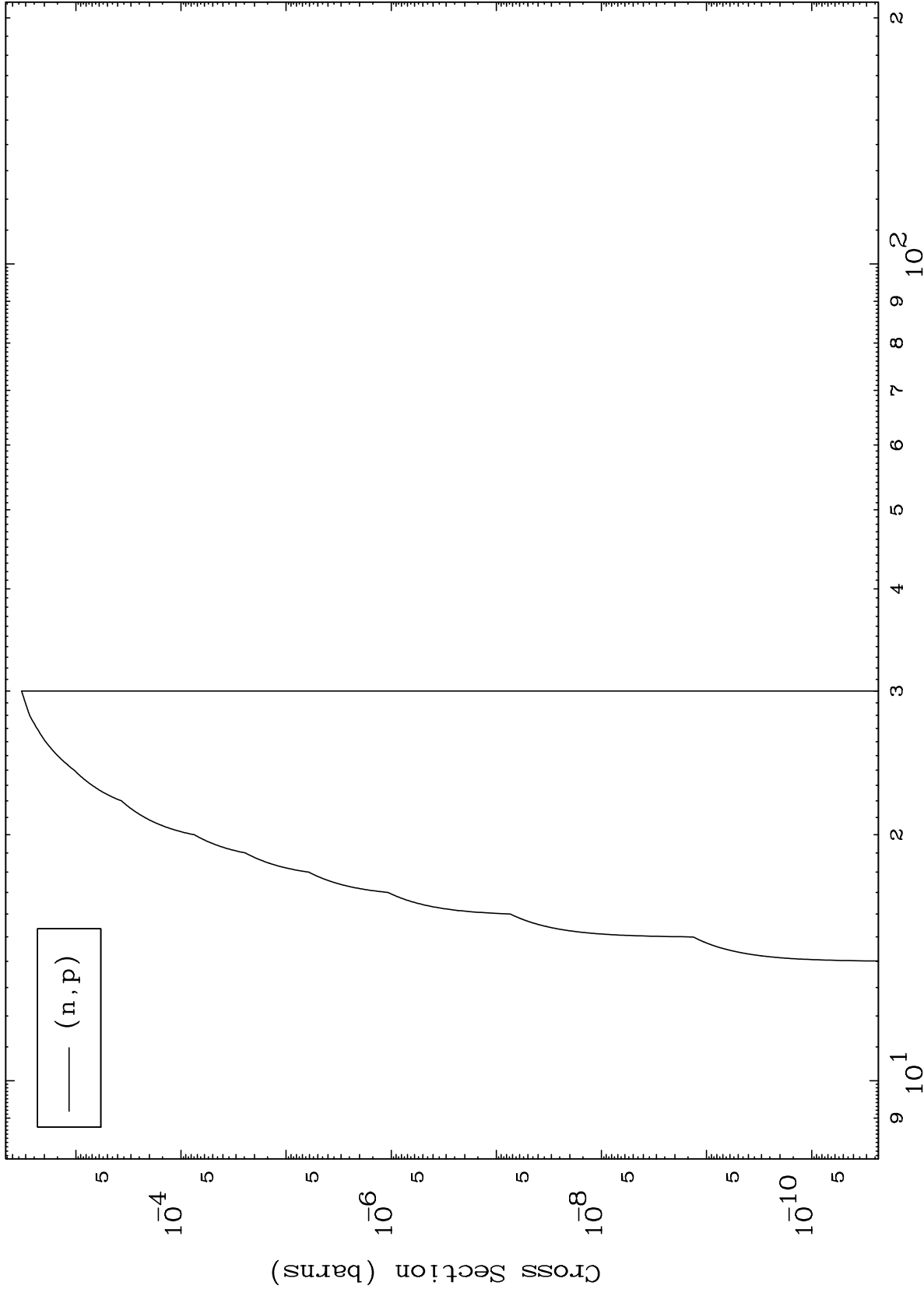


MAT 7244

(α, p) Levels

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

0 Kelvin Cross Sections



Incident Energy (MeV)

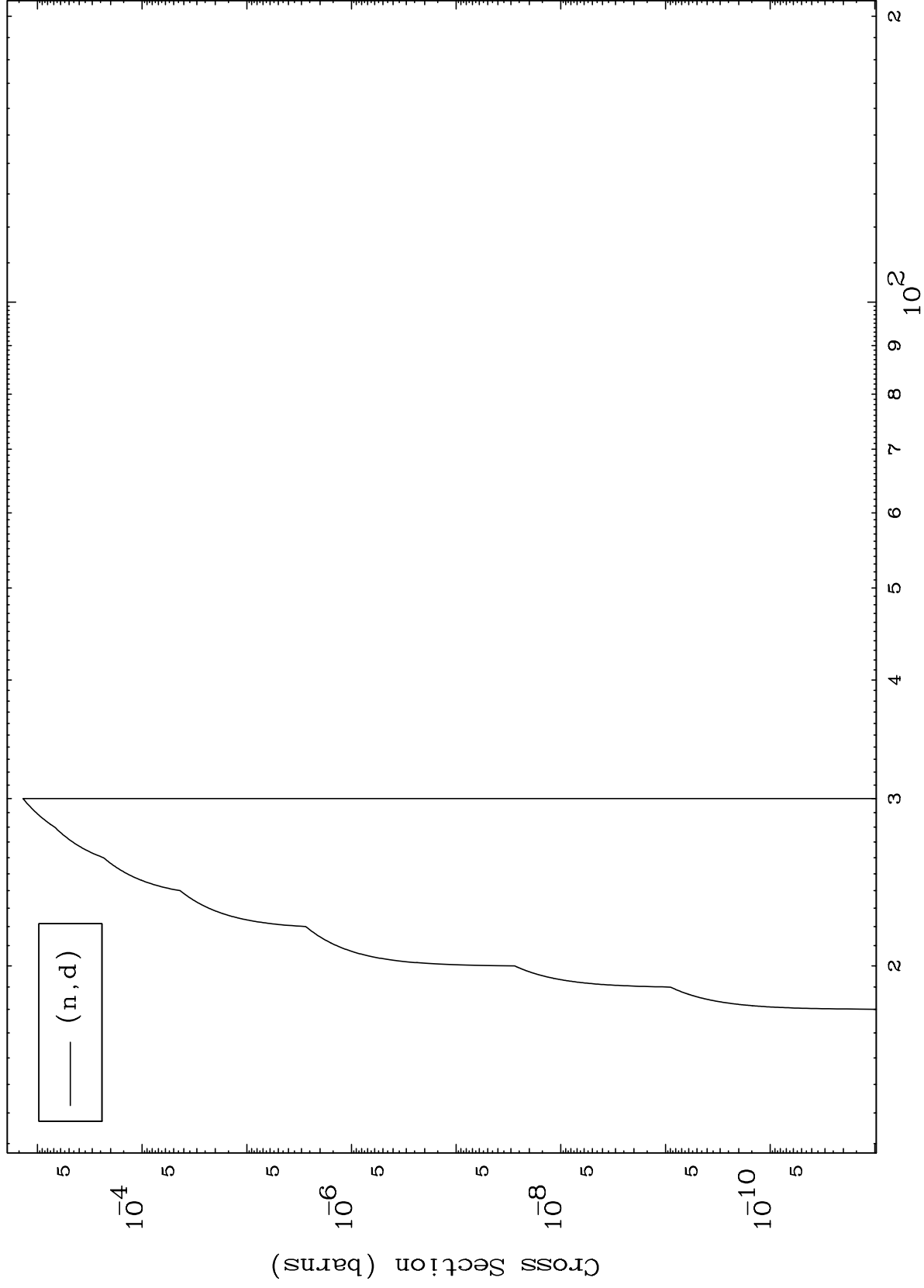
$^{72}\text{Hf}-180\text{m}$

5

MAT 7244

(α, d) Levels
0 Kelvin Cross Sections

⁷²Hf-180m



6

Incident Energy (MeV)

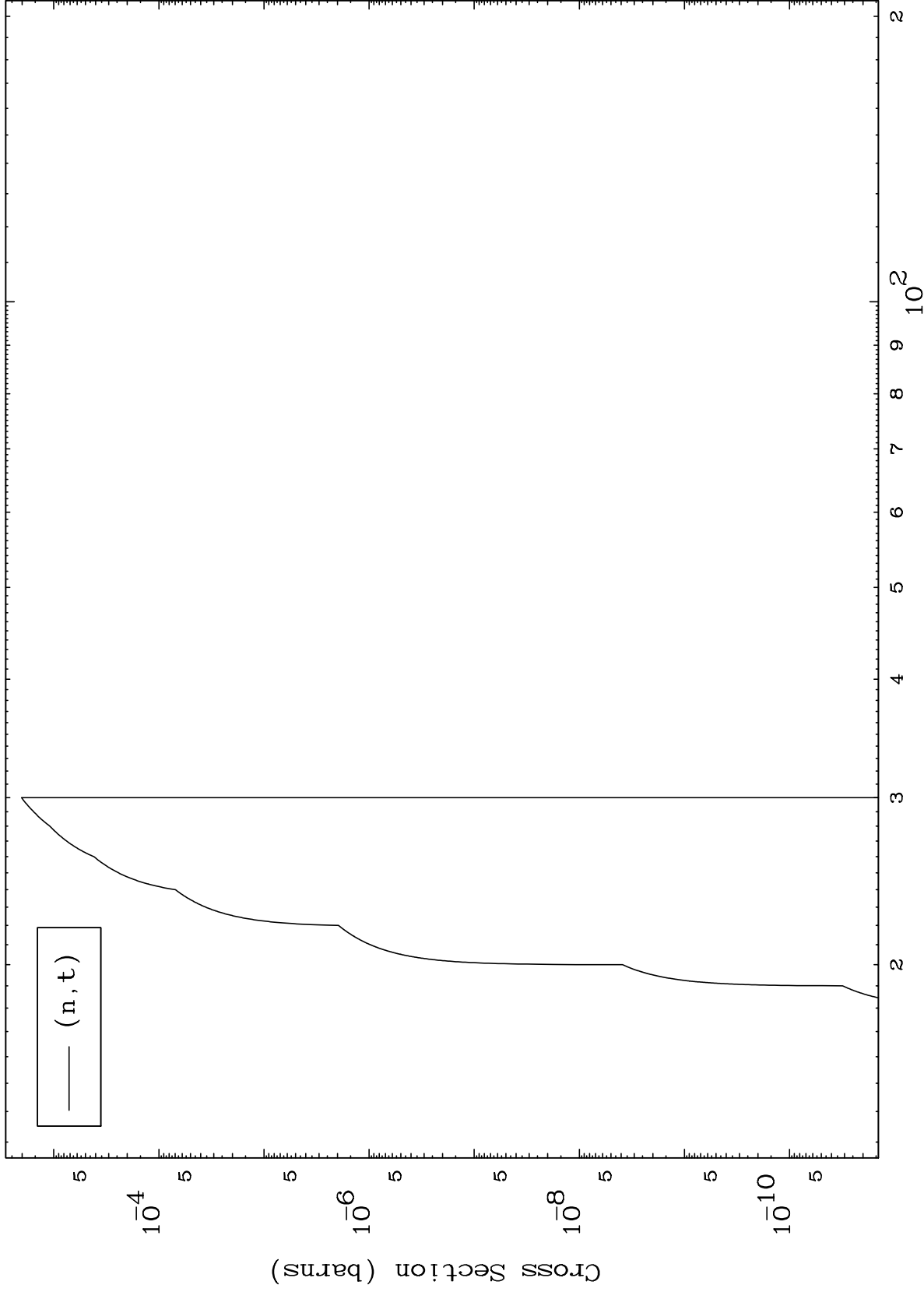
⁷²Hf-180m

MAT 7244

(α, t) Levels

^{72}Hf -180m

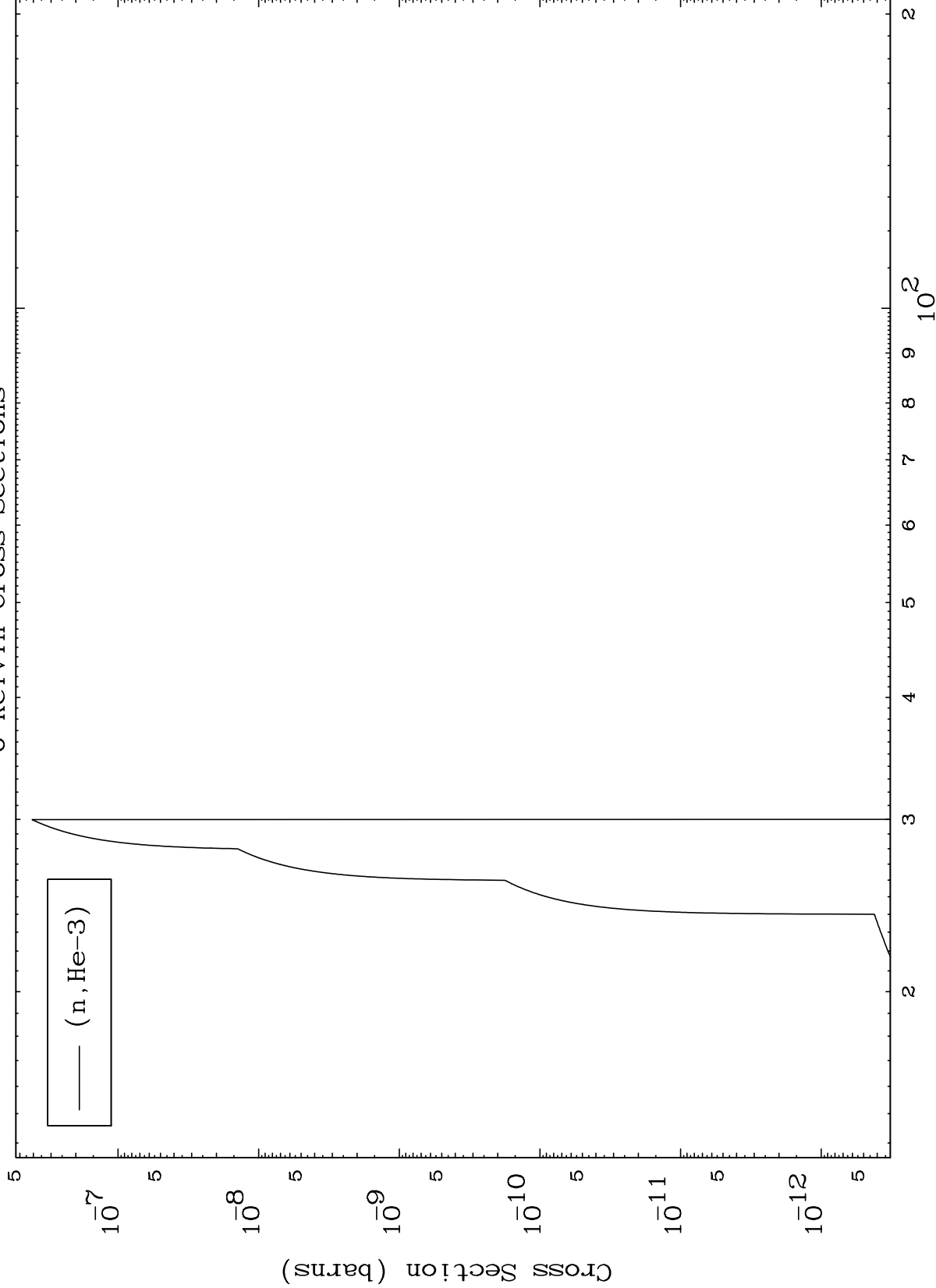
0 Kelvin Cross Sections



MAT 7244

(α , He3) Levels
0 Kelvin Cross Sections

72-Hf-180m

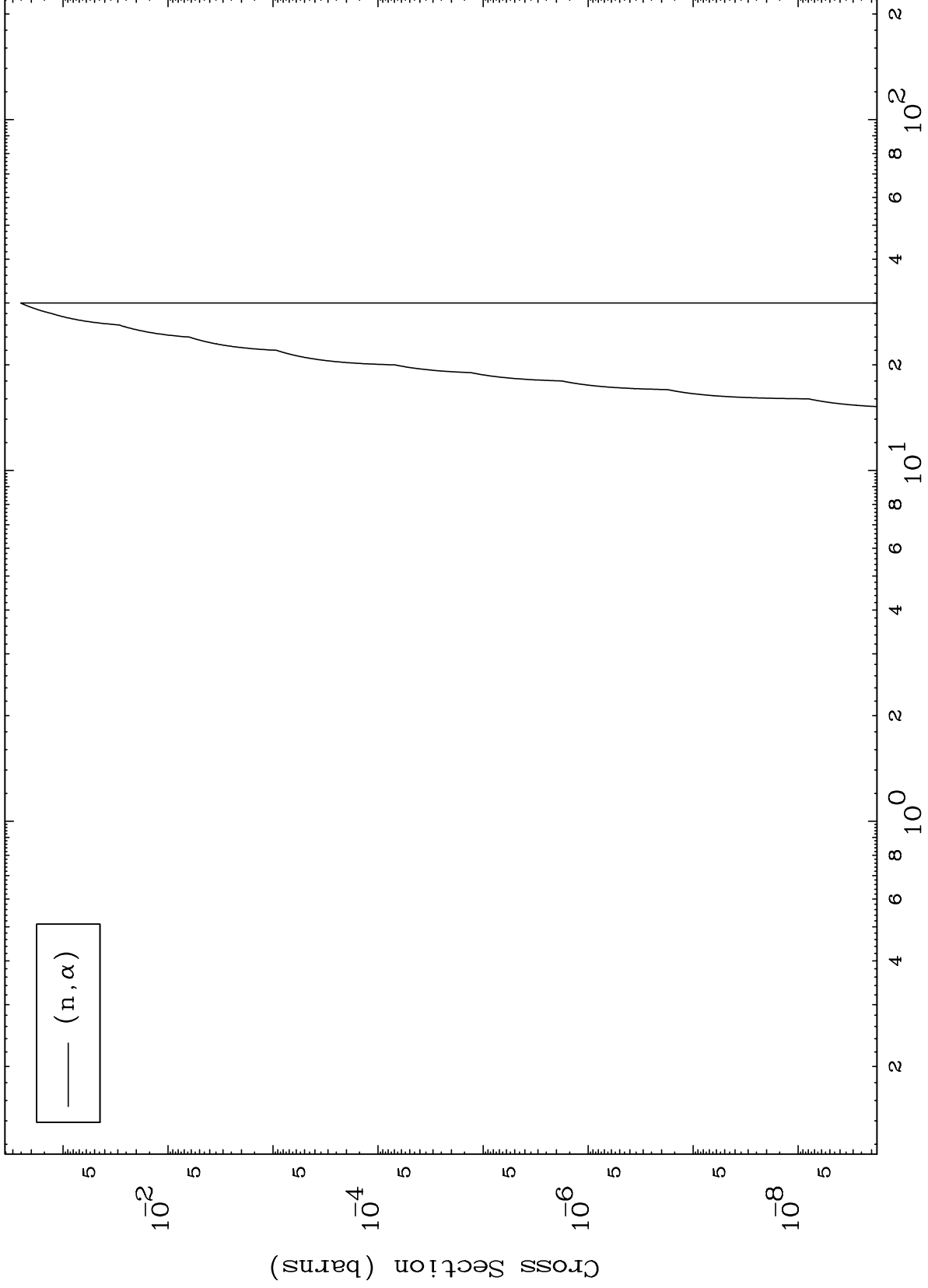


MAT 7244

(α, α) Levels

72-Hf-180m

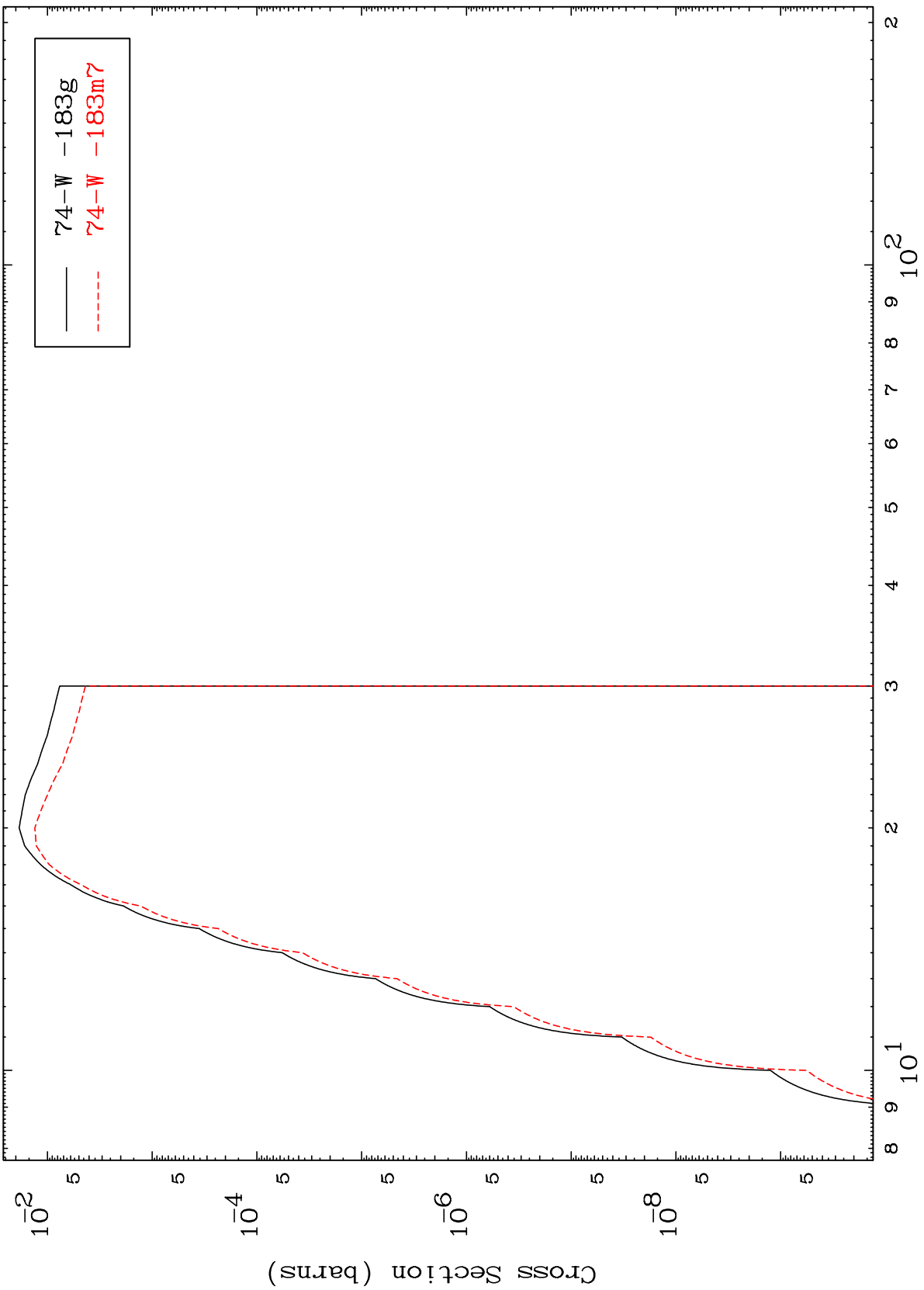
0 Kelvin Cross Sections



MAT 7244

⁷²Hf-180m

Inelastic
Radionuclide Production Cross Section



⁷²Hf-180m

Incident Energy (MeV)

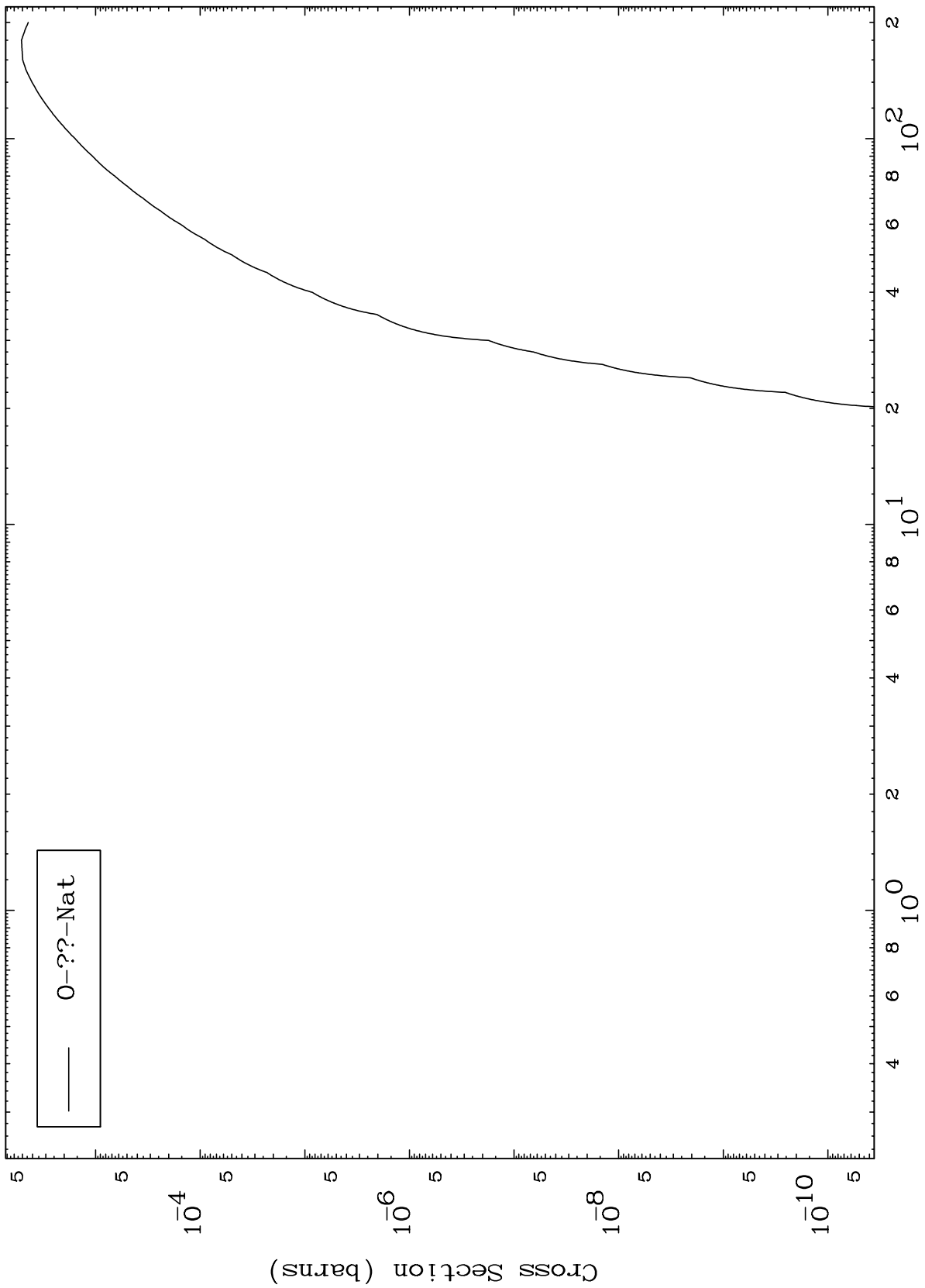
10

MAT 7244

Fission

⁷²Hf-180m

Radionuclide Production Cross Section

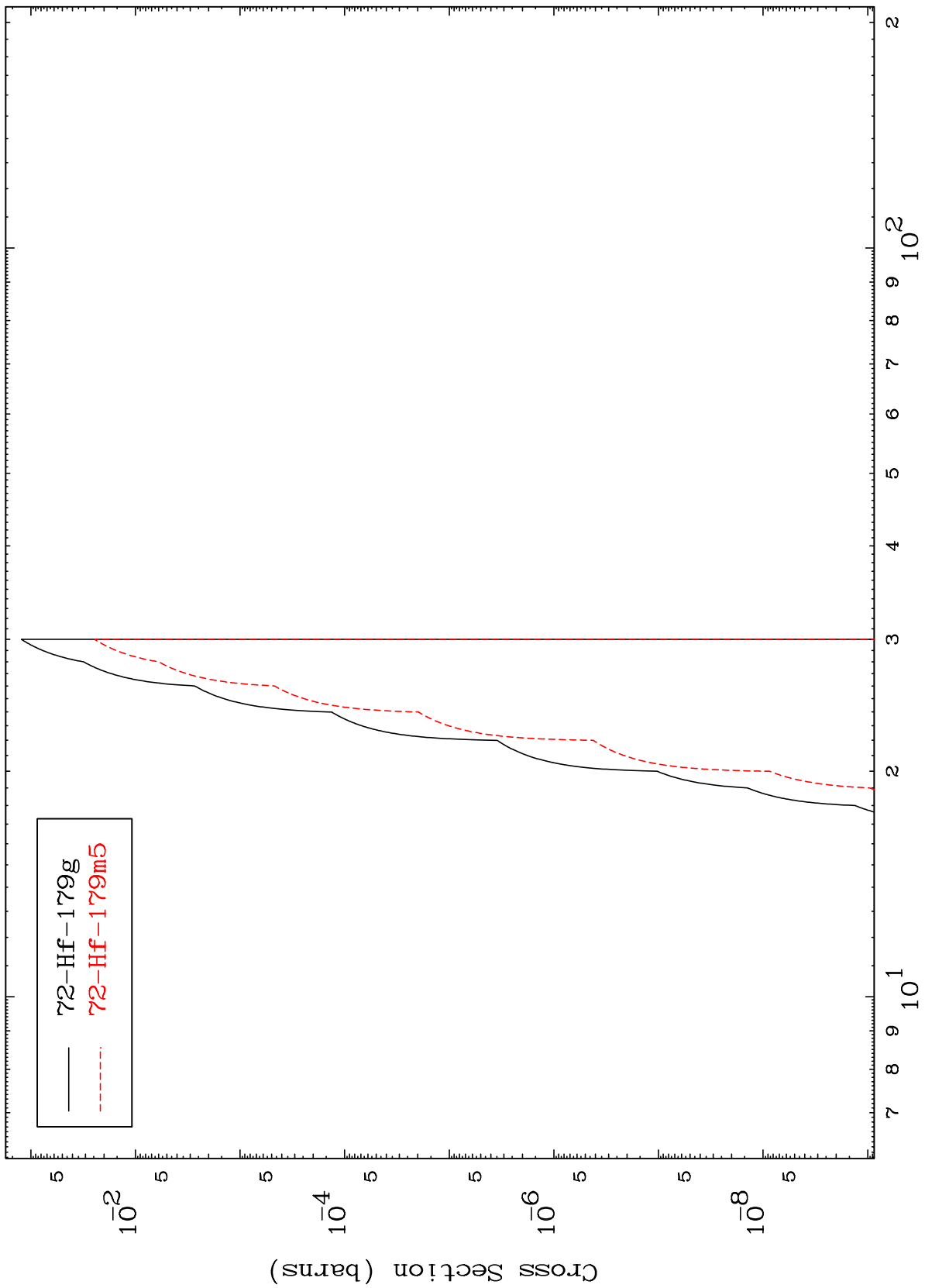


MAT 7244

$(n, n') \alpha$

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

Radionuclide Production Cross Section



12

Incident Energy (MeV)

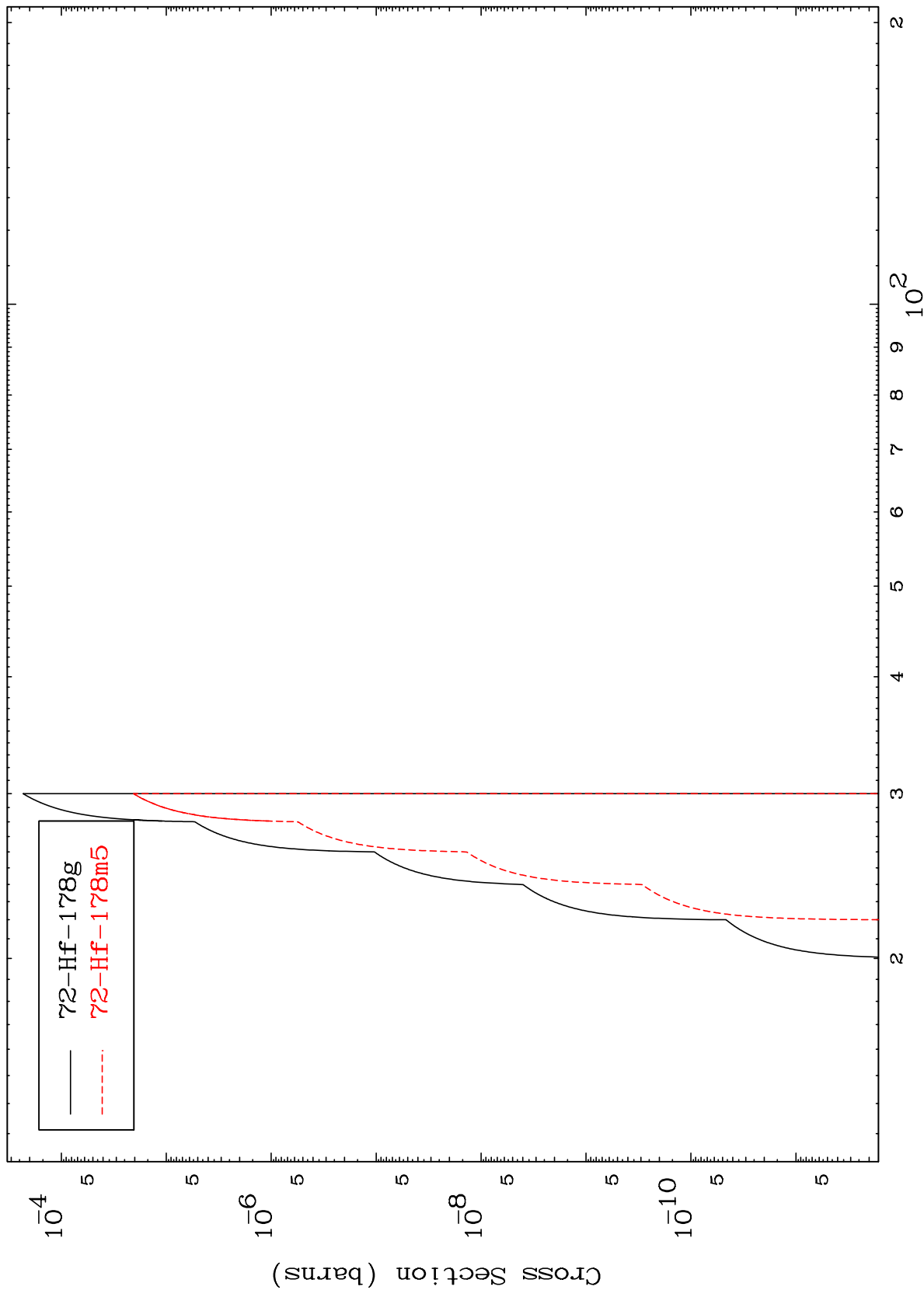
$^{72}\text{Hf}-180\text{m}$

MAT 7244

(n,2n) α

⁷²Hf-180m

Radionuclide Production Cross Section



Incident Energy (MeV)

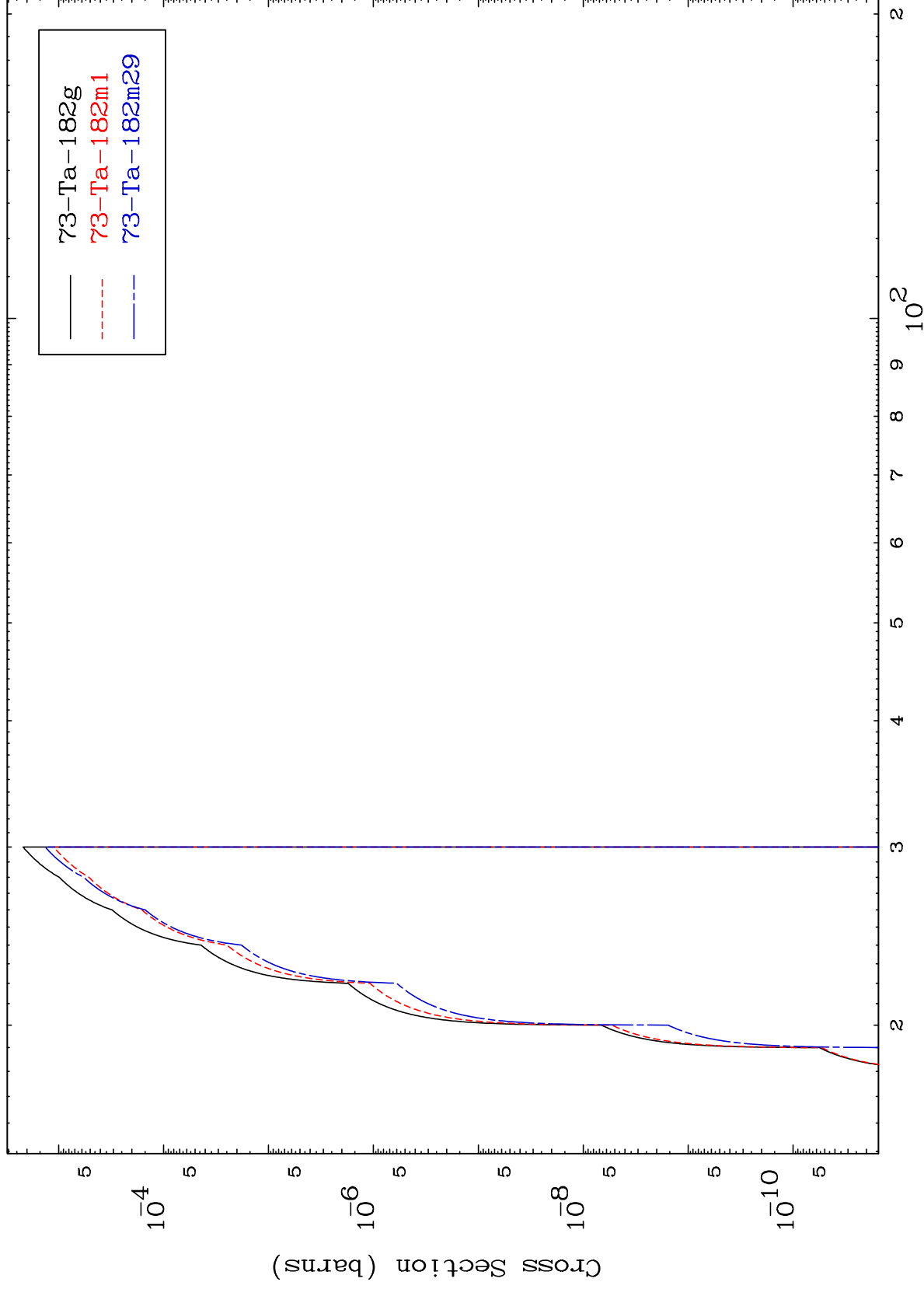
⁷²Hf-180m

MAT 7244

(n,n') p

72-Hf-180m

Radionuclide Production Cross Section



14

Incident Energy (MeV)

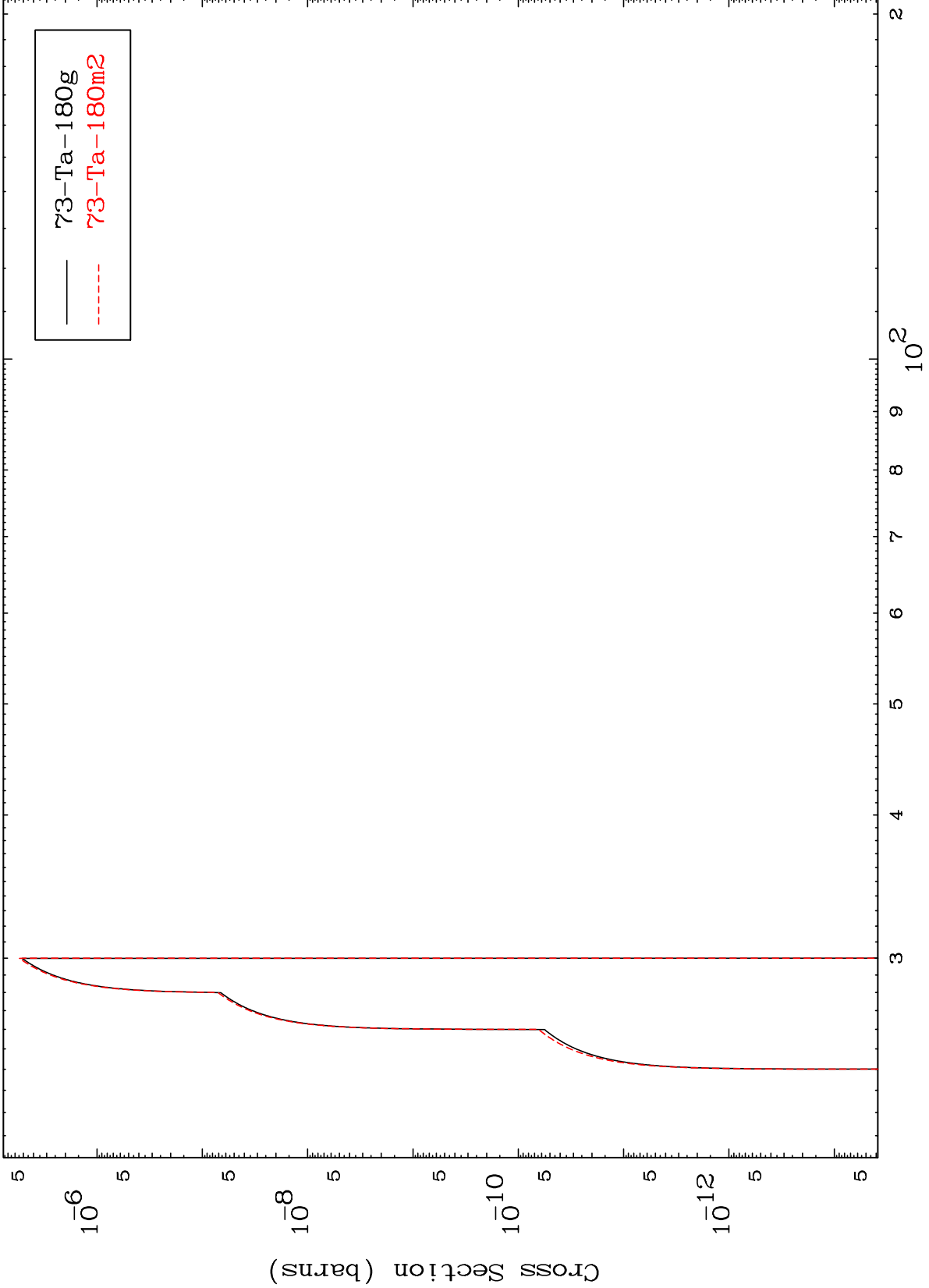
72-Hf-180m

MAT 7244

(n,n') t

⁷²Hf-180m

Radionuclide Production Cross Section



15

Incident Energy (MeV)

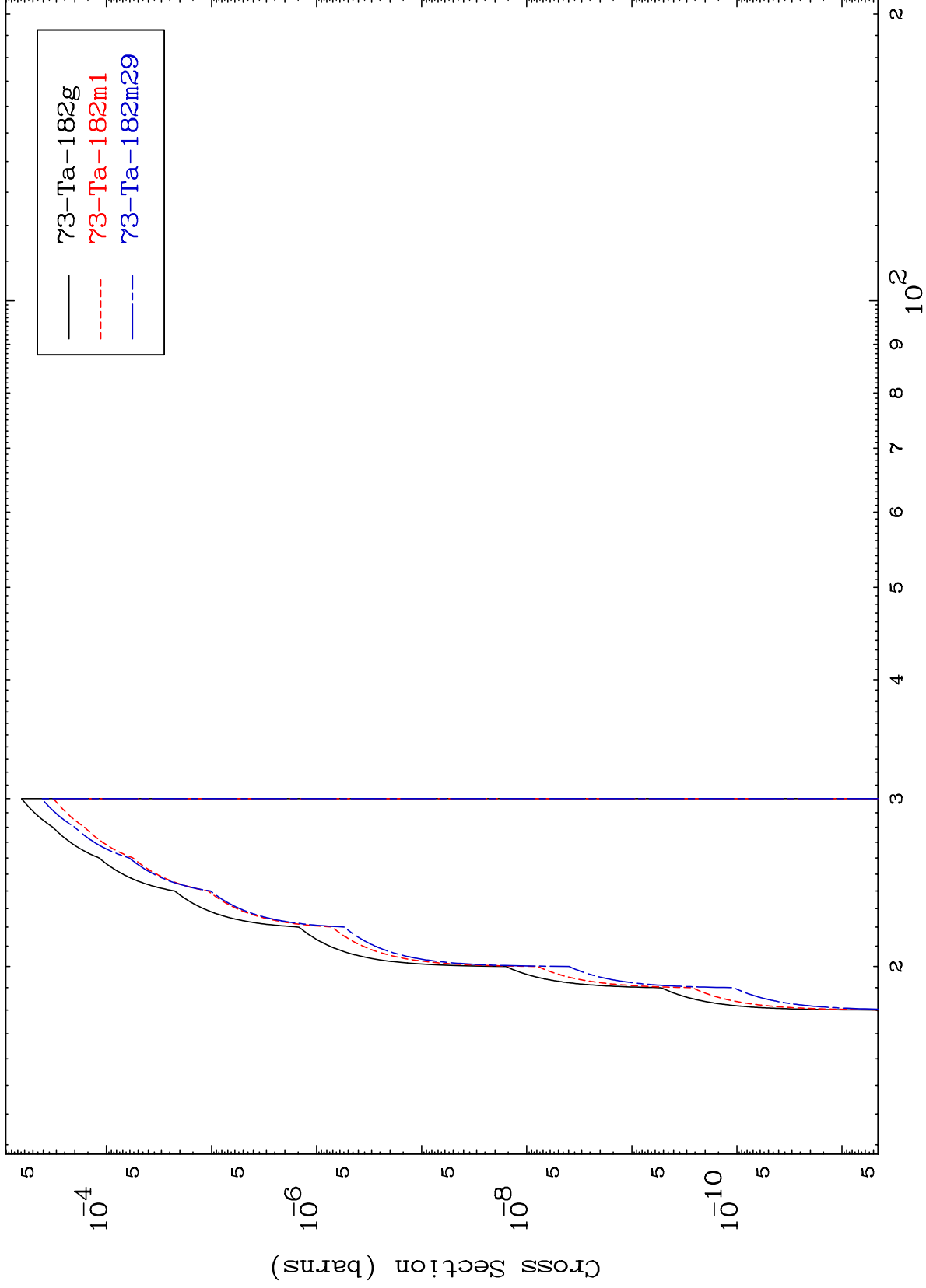
⁷²Hf-180m

MAT 7244

(n,d)

⁷²Hf-180m

Radionuclide Production Cross Section



16

Incident Energy (MeV)

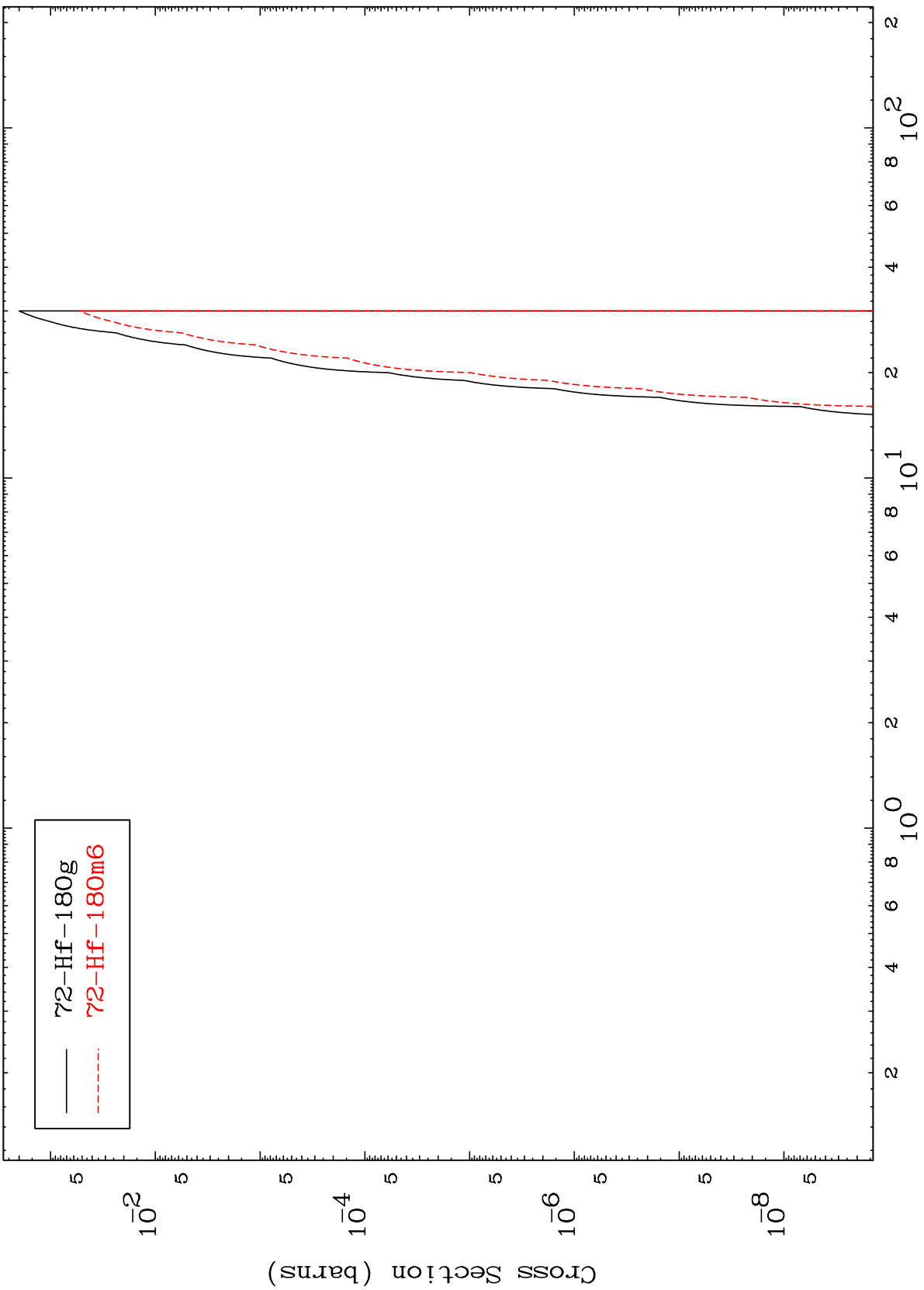
⁷²Hf-180m

MAT 7244

(n, α)

⁷²Hf-180m

Radionuclide Production Cross Section



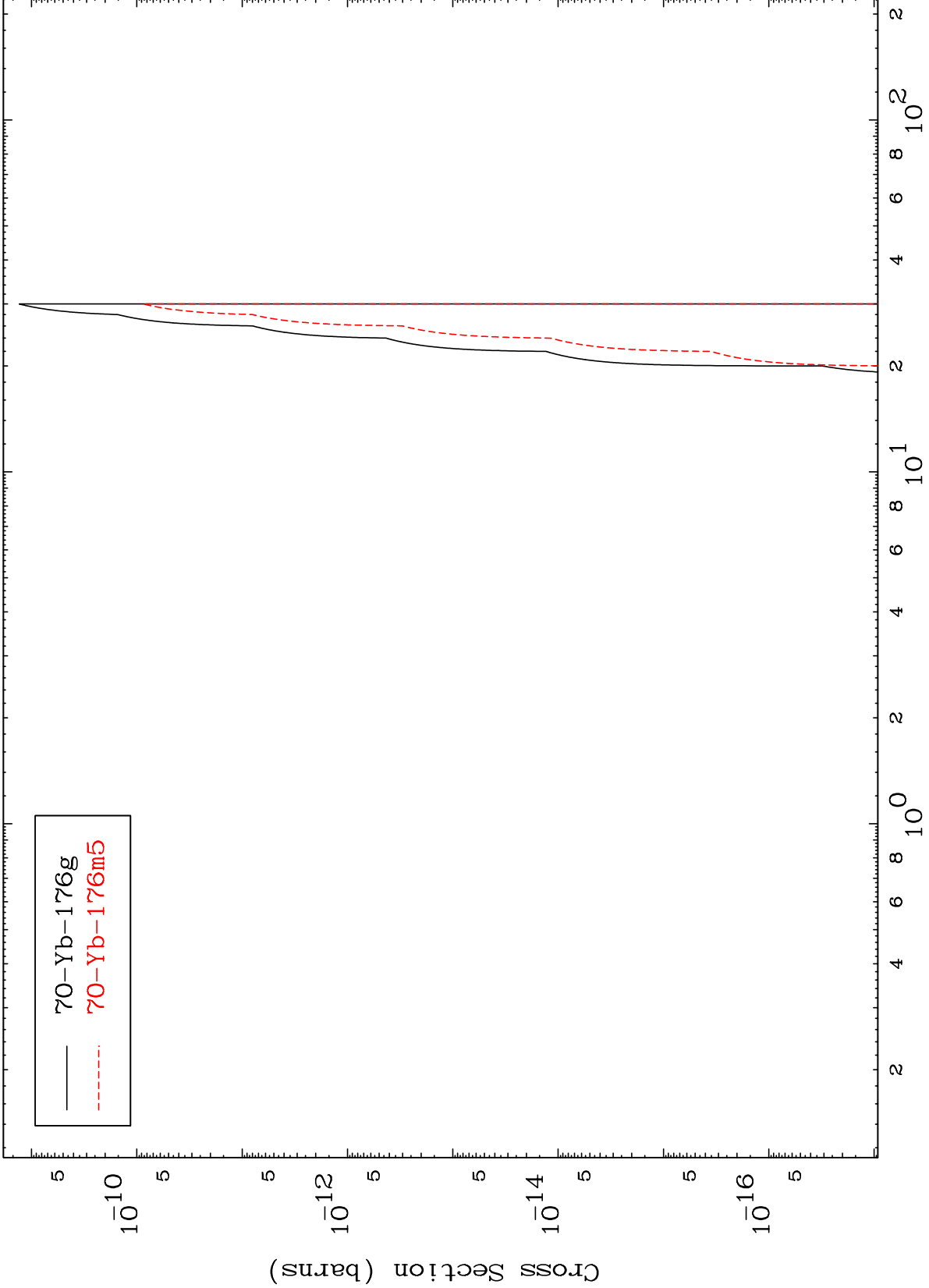
— 72-Hf-180g
- - - 72-Hf-180m6

MAT 7244

(n,2α)

72-Hf-180m

Radionuclide Production Cross Section



70-Yb-176g
70-Yb-176m5