

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

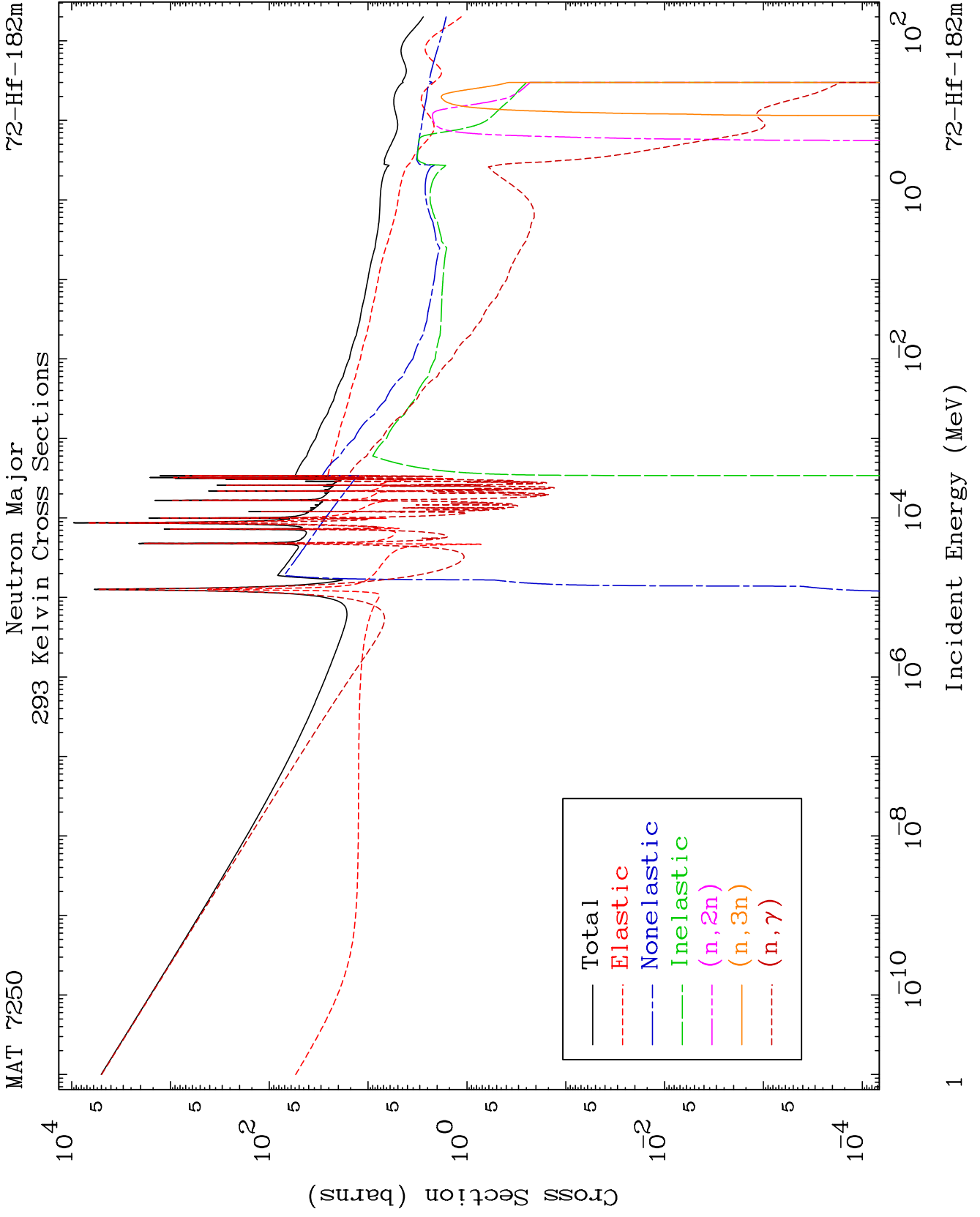
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

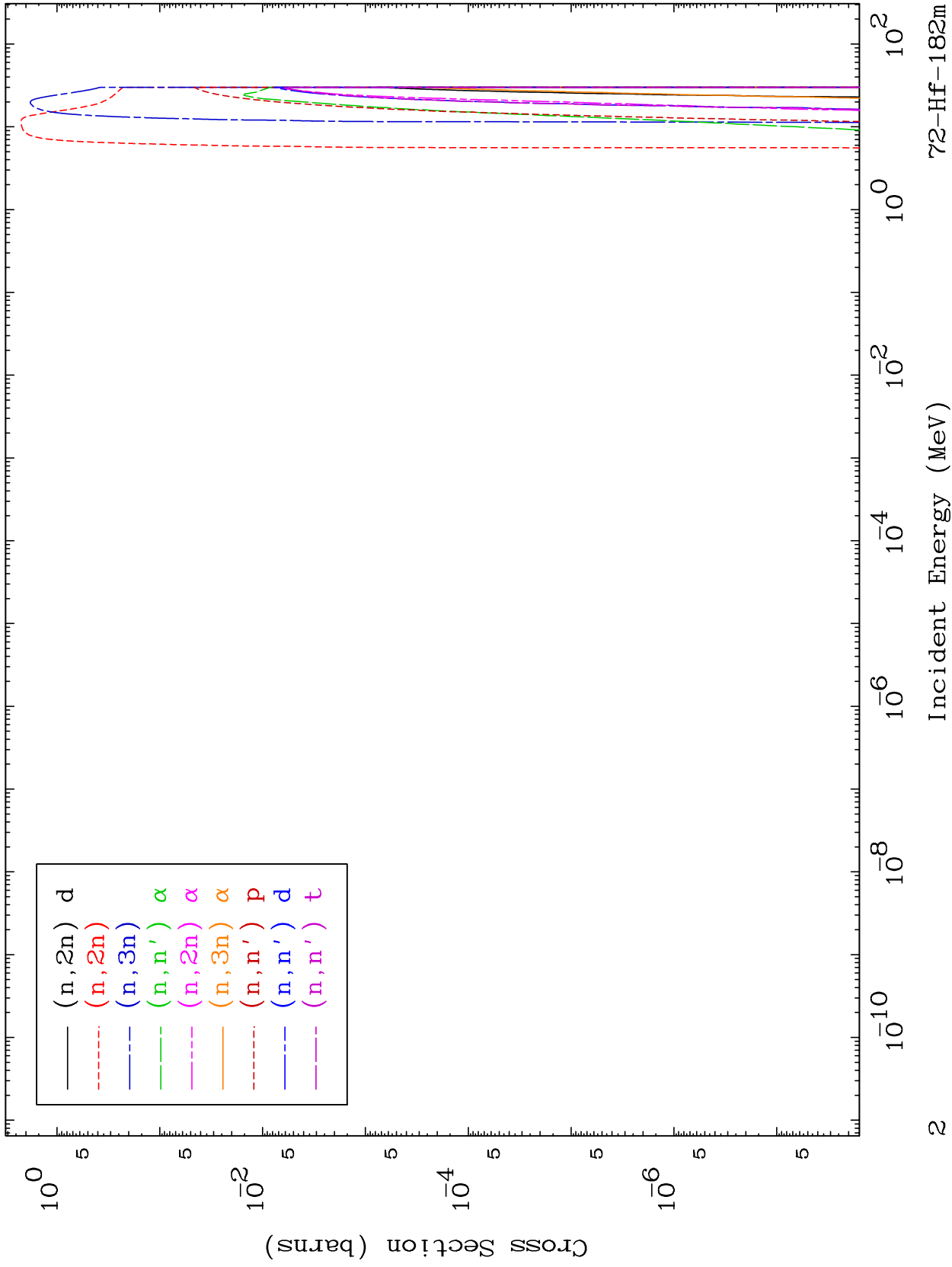
Press Mouse Button to Start



MAT 7250

Neutron Absorption
293 Kelvin Cross Sections

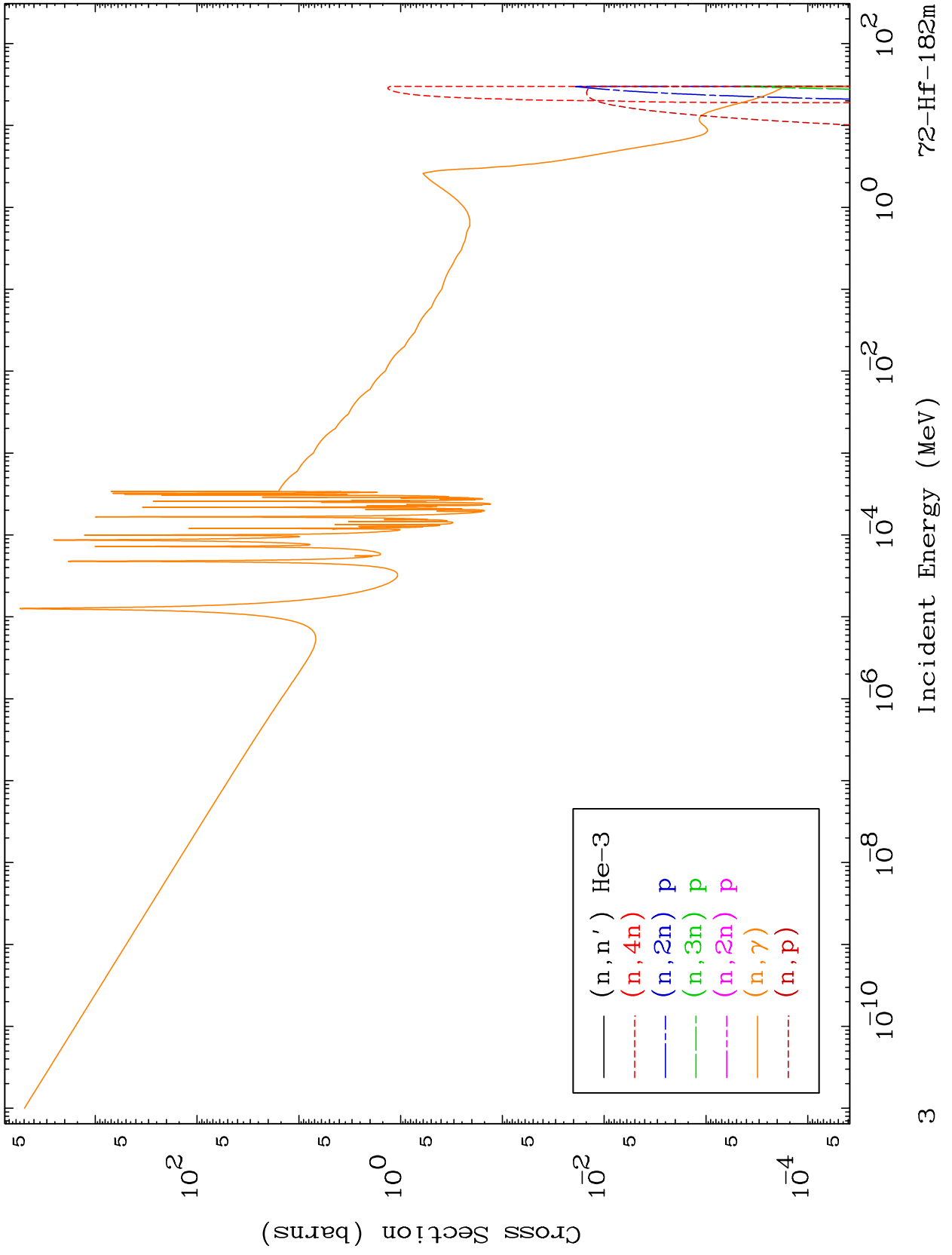
72-Hf-182m

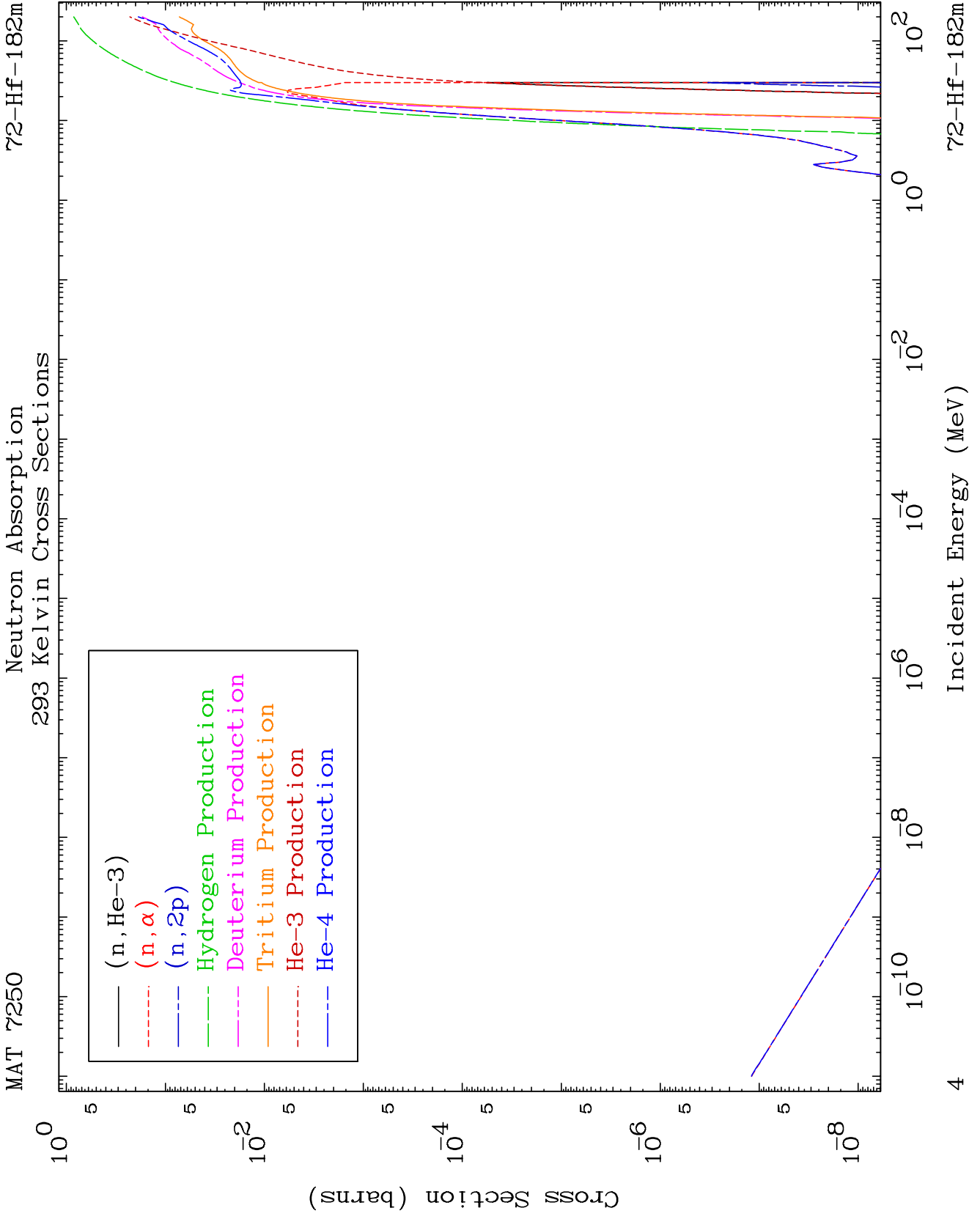


MAT 7250

Neutron Absorption
293 Kelvin Cross Sections

72-Hf-182m

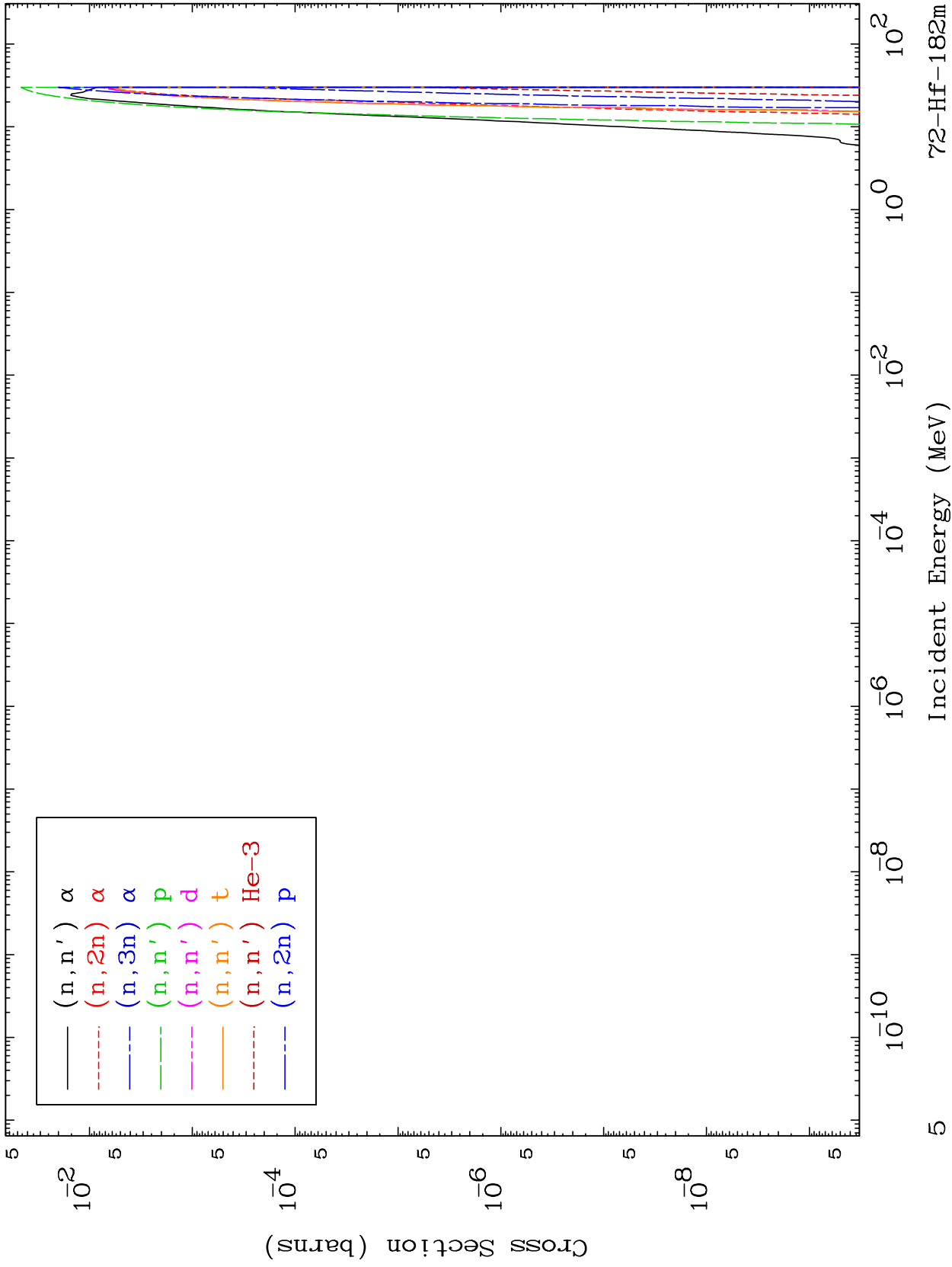




MAT 7250

Charged Particle
293 Kelvin Cross Sections

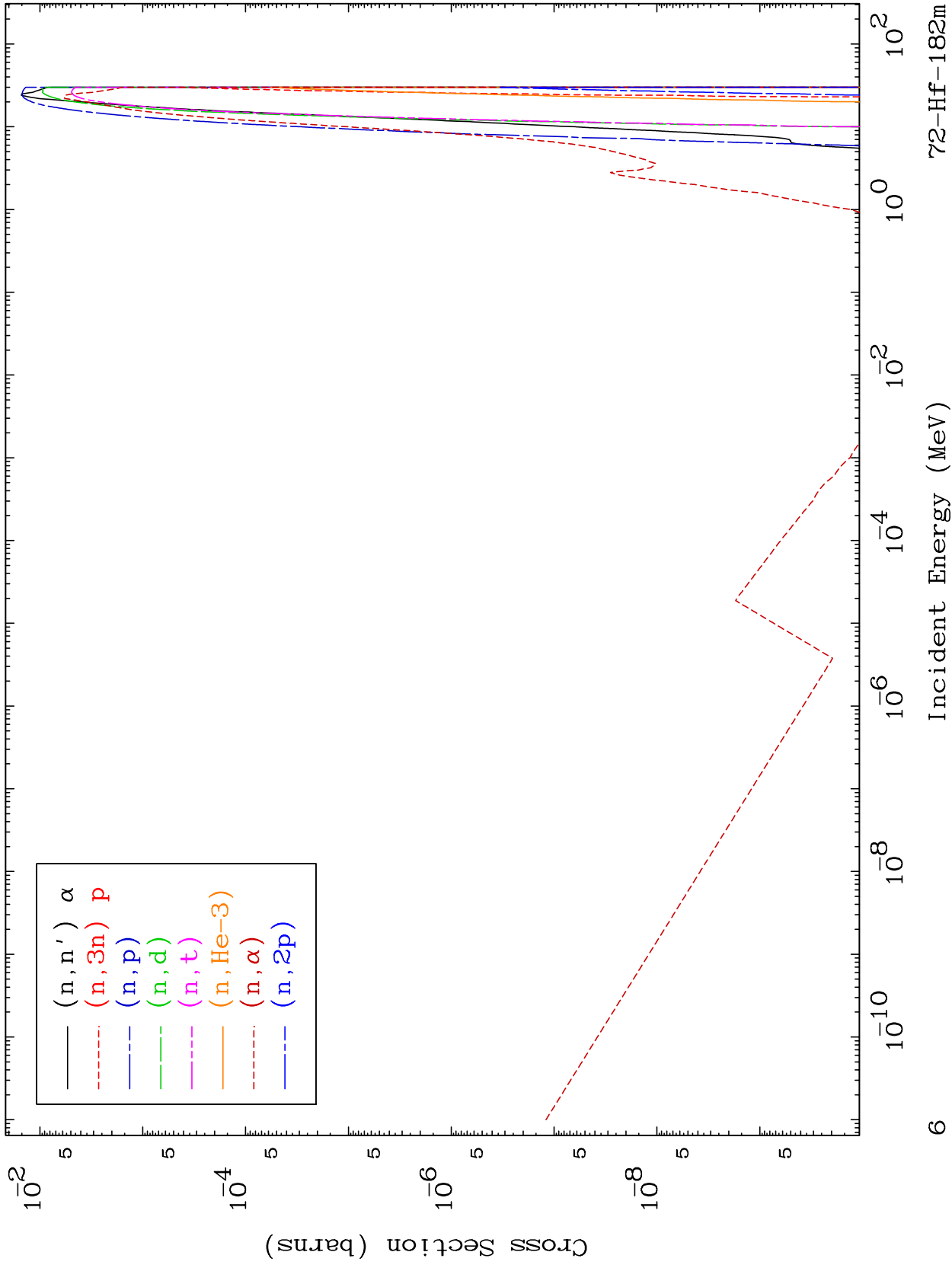
72-Hf-182m

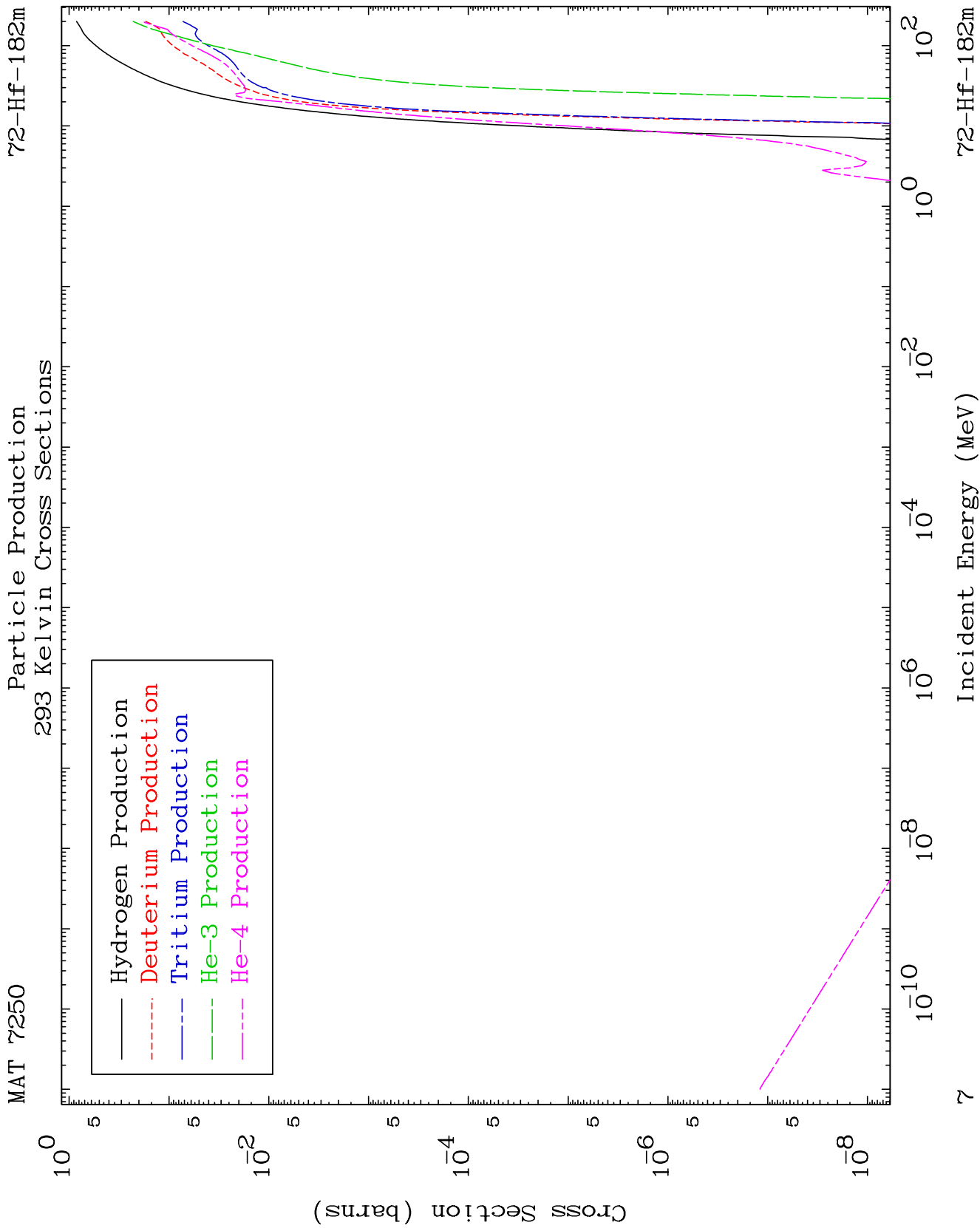


MAT 7250

Charged Particle
293 Kelvin Cross Sections

72-Hf-182m

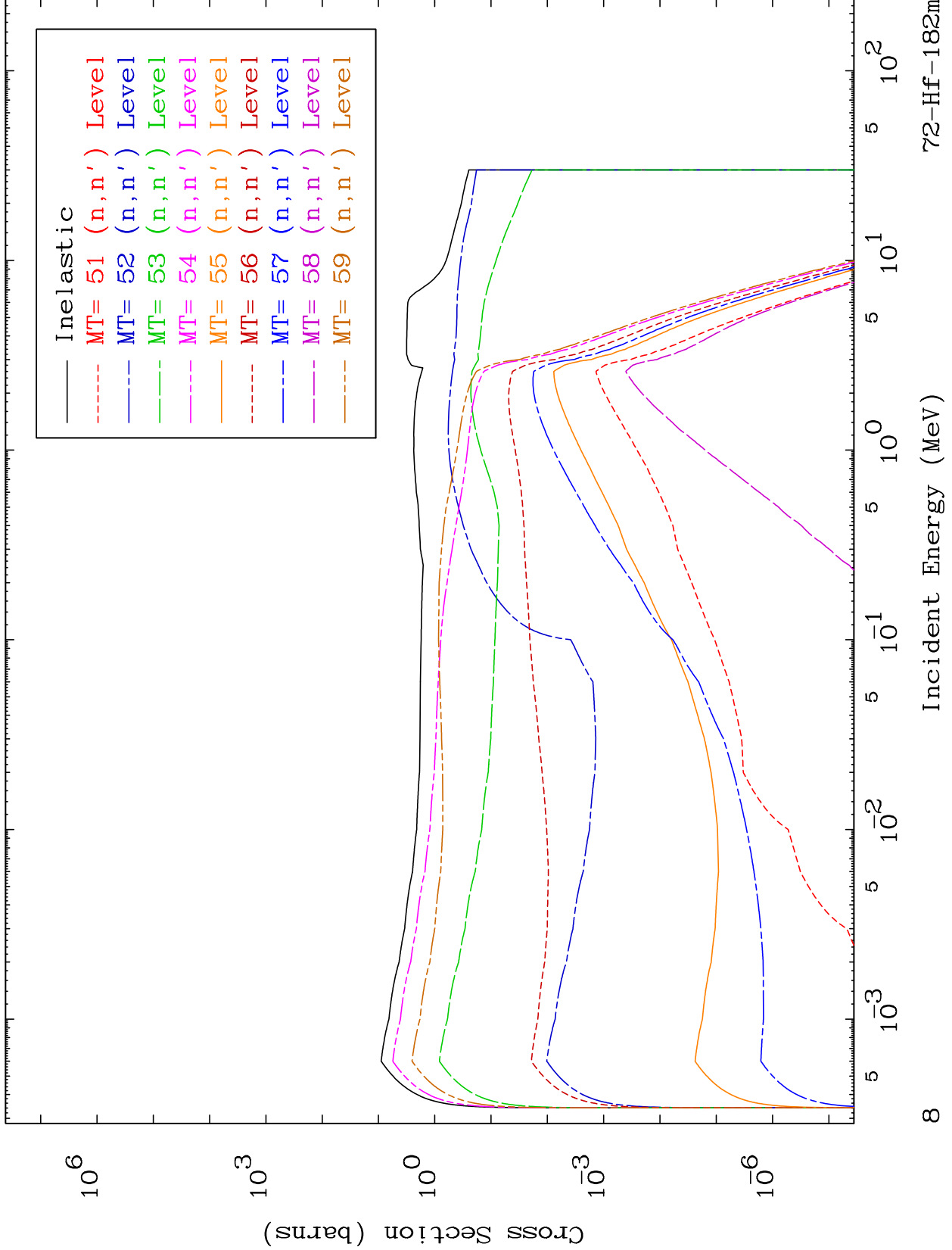




MAT 7250

(n,n') Levels
293 Kelvin Cross Sections

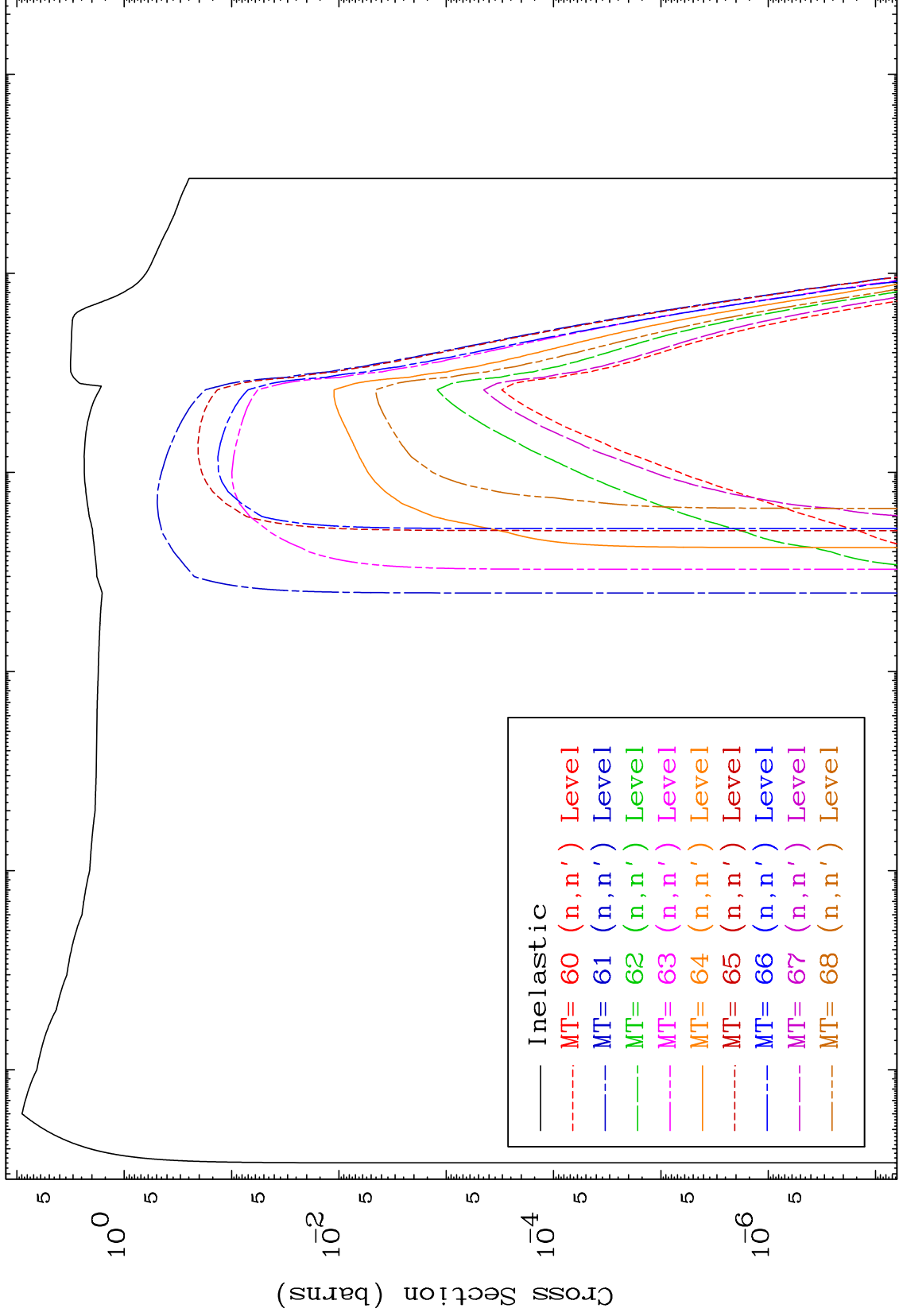
72-Hf-182m



MAT 7250

(n,n') Levels
293 Kelvin Cross Sections

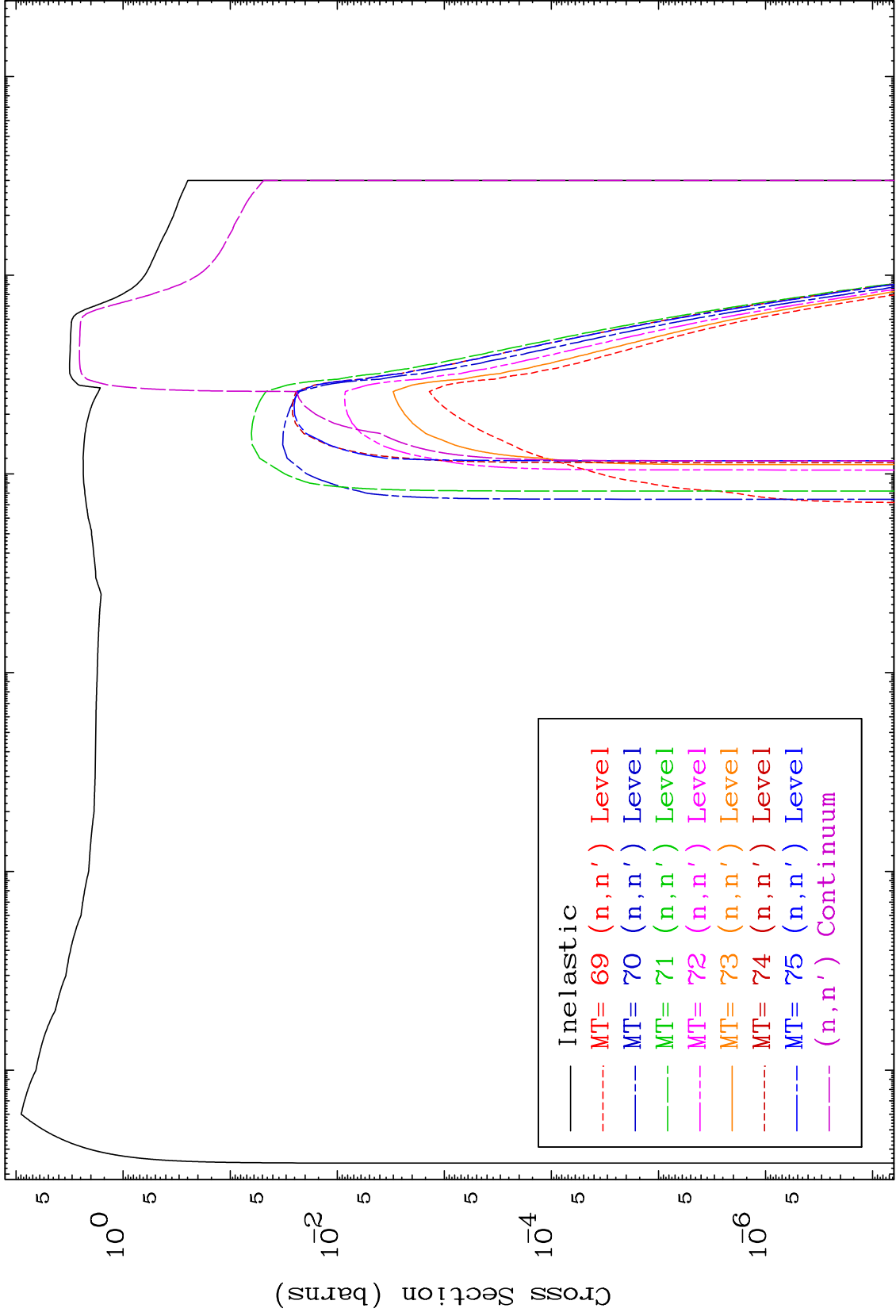
72-Hf-182m



MAT 7250

(n,n') Levels
293 Kelvin Cross Sections

72-Hf-182m



10

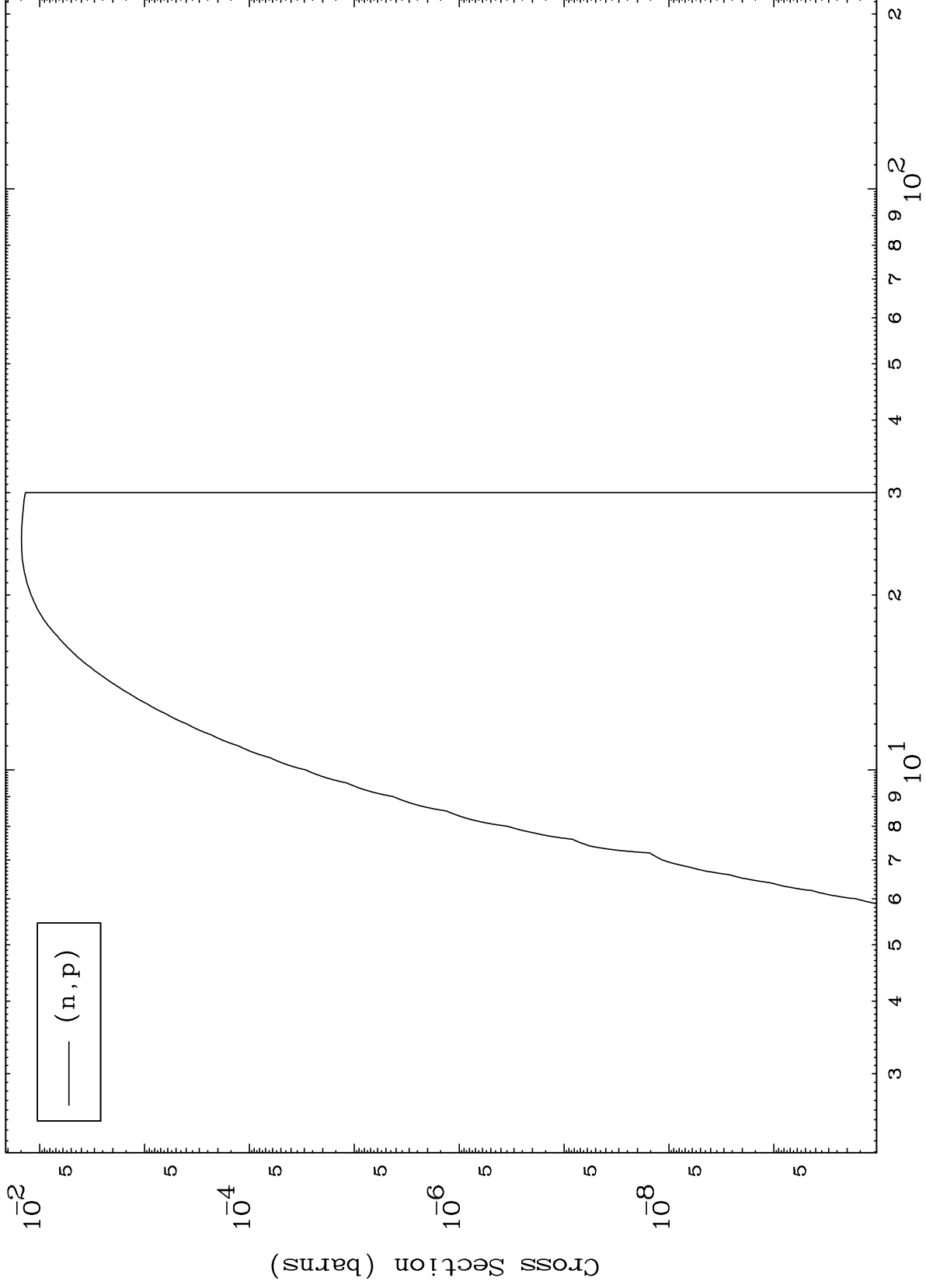
Incident Energy (MeV)

72-Hf-182m

MAT 7250

(n,p) Levels
293 Kelvin Cross Sections

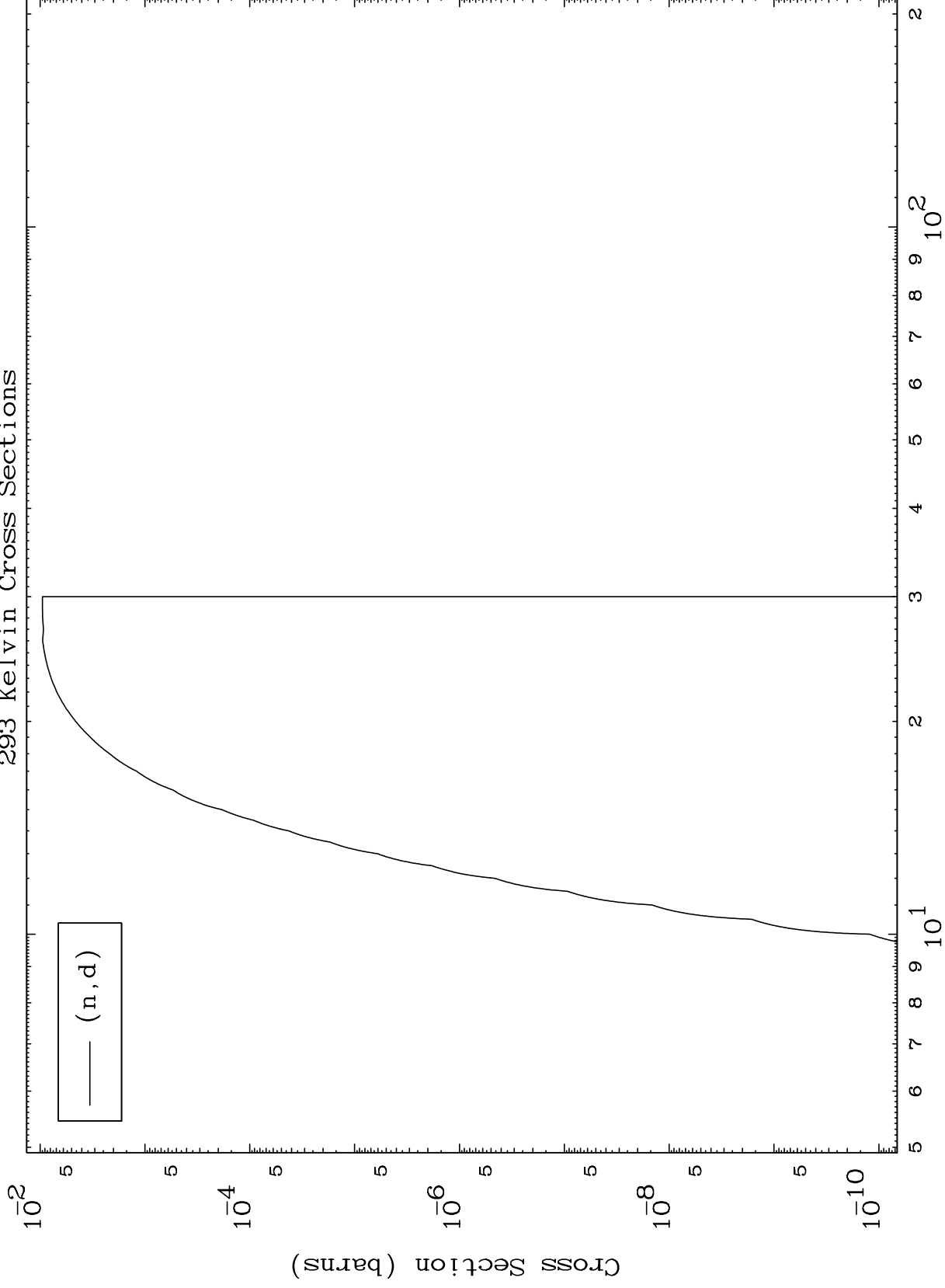
72-Hf-182m



MAT 7250

(n,d) Levels
293 Kelvin Cross Sections

72-Hf-182m



12

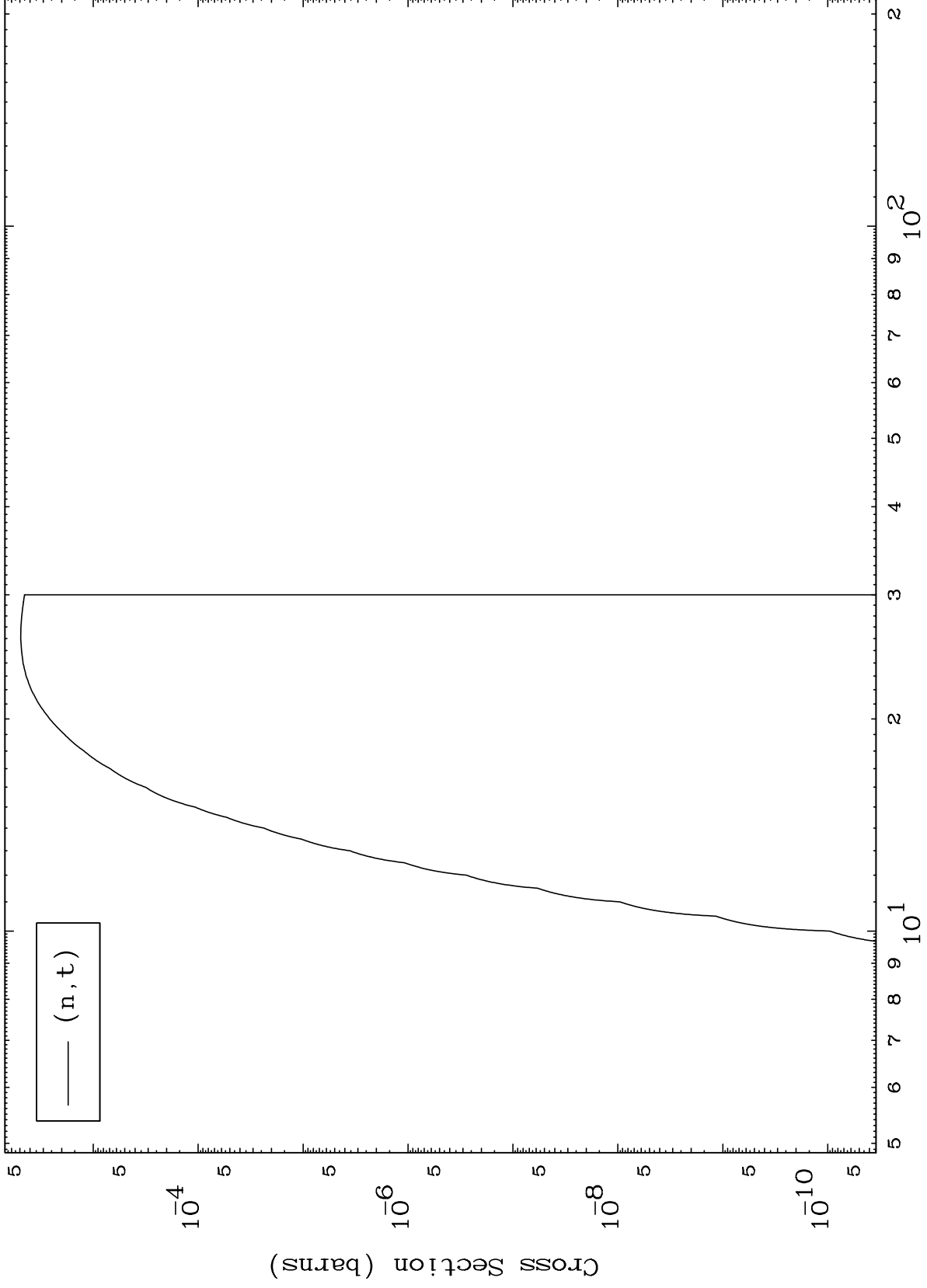
Incident Energy (MeV)

72-Hf-182m

MAT 7250

(n,t) Levels
293 Kelvin Cross Sections

72-Hf-182m



13

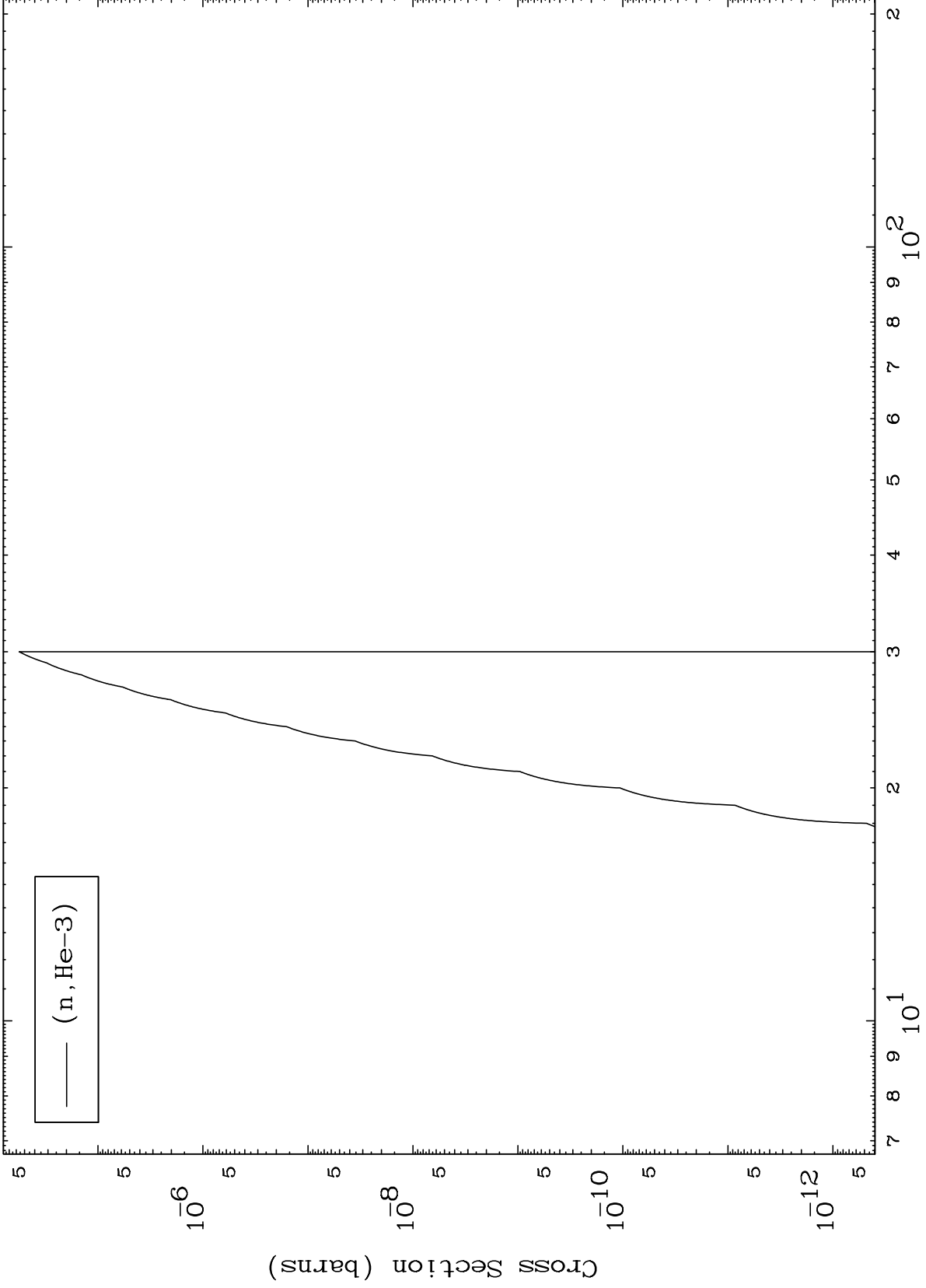
Incident Energy (MeV)

72-Hf-182m

MAT 7250

(n,He3) Levels
293 Kelvin Cross Sections

72-Hf-182m



14

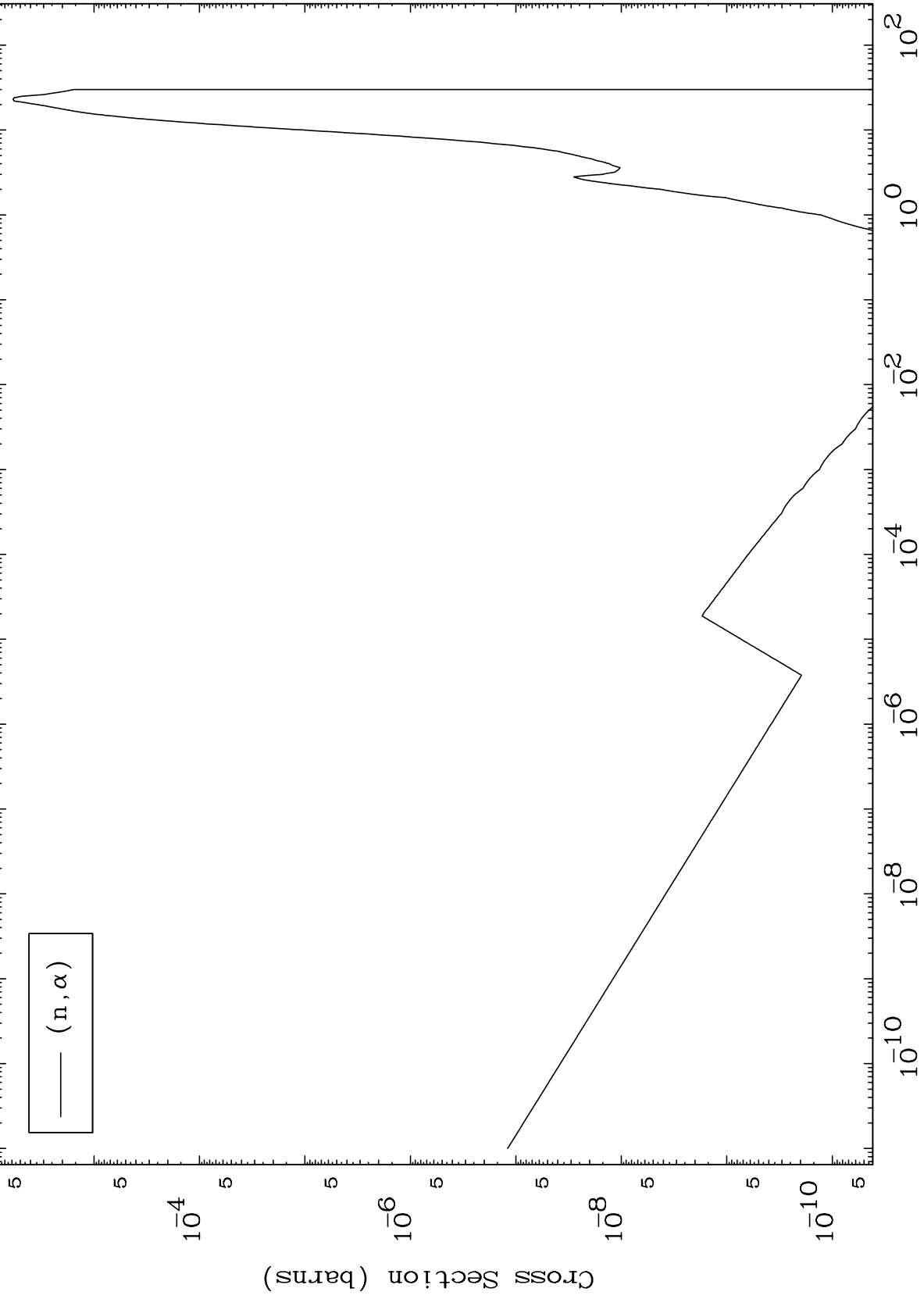
Incident Energy (MeV)

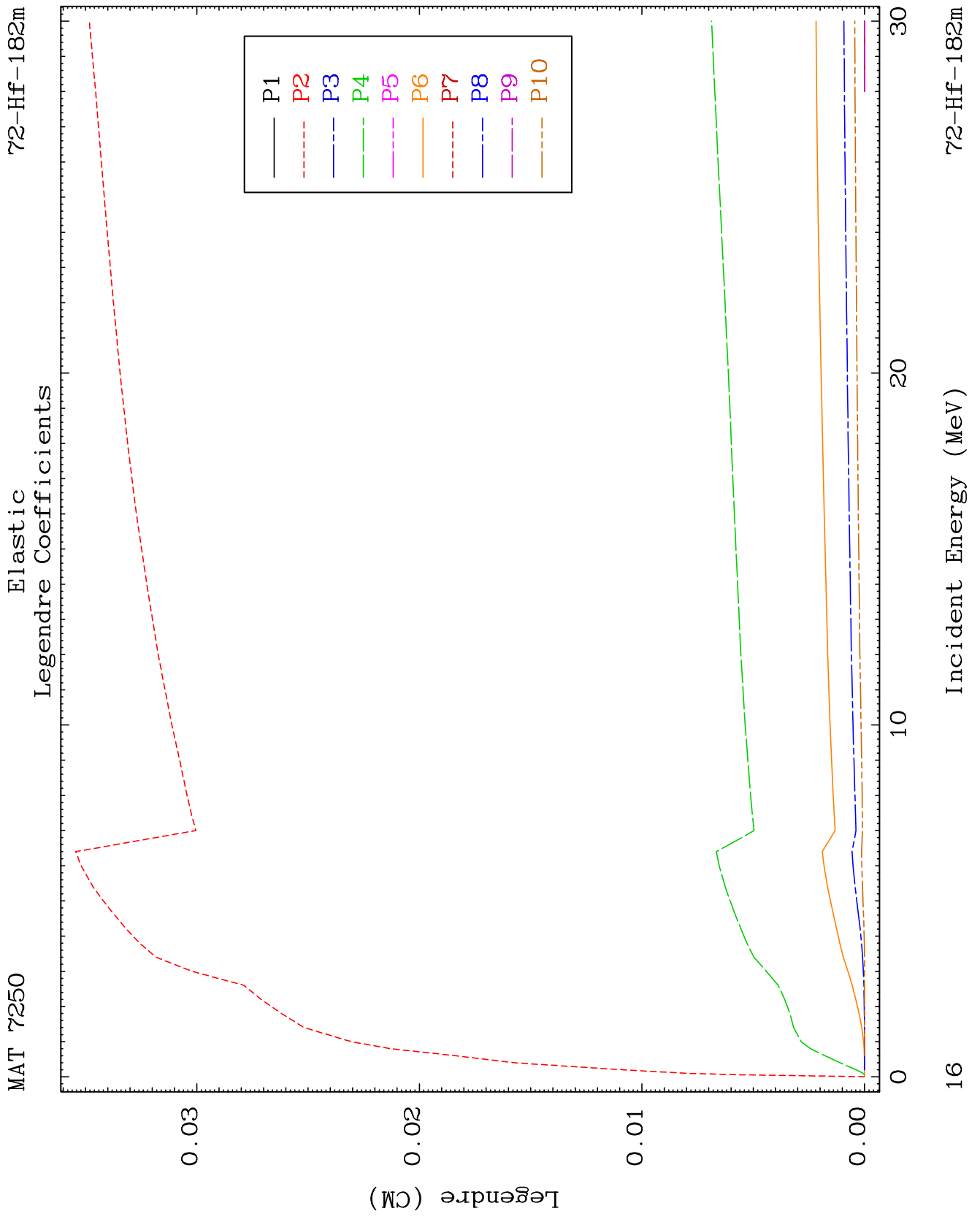
72-Hf-182m

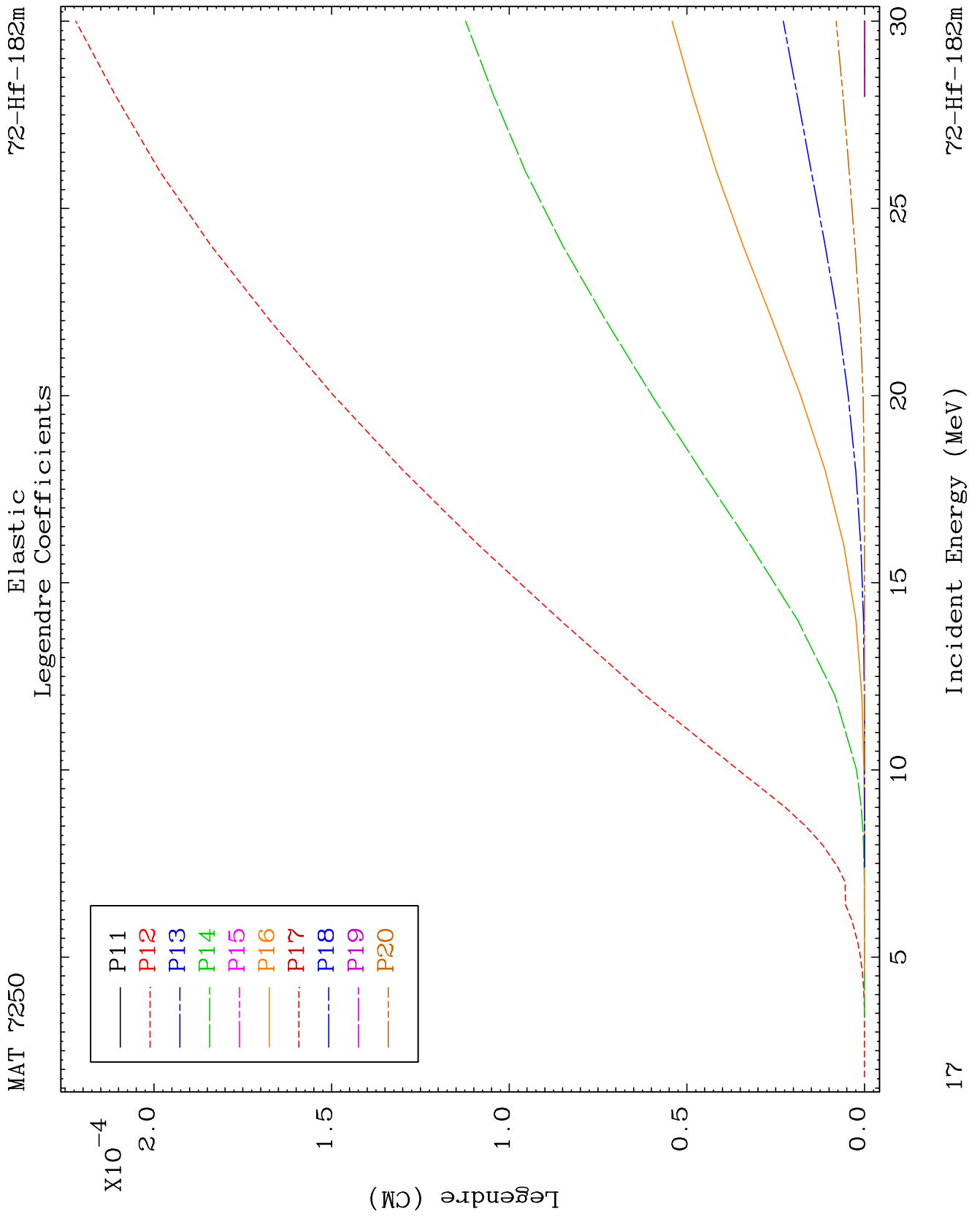
MAT 7250

(n, α) Levels
293 Kelvin Cross Sections

72-Hf-182m



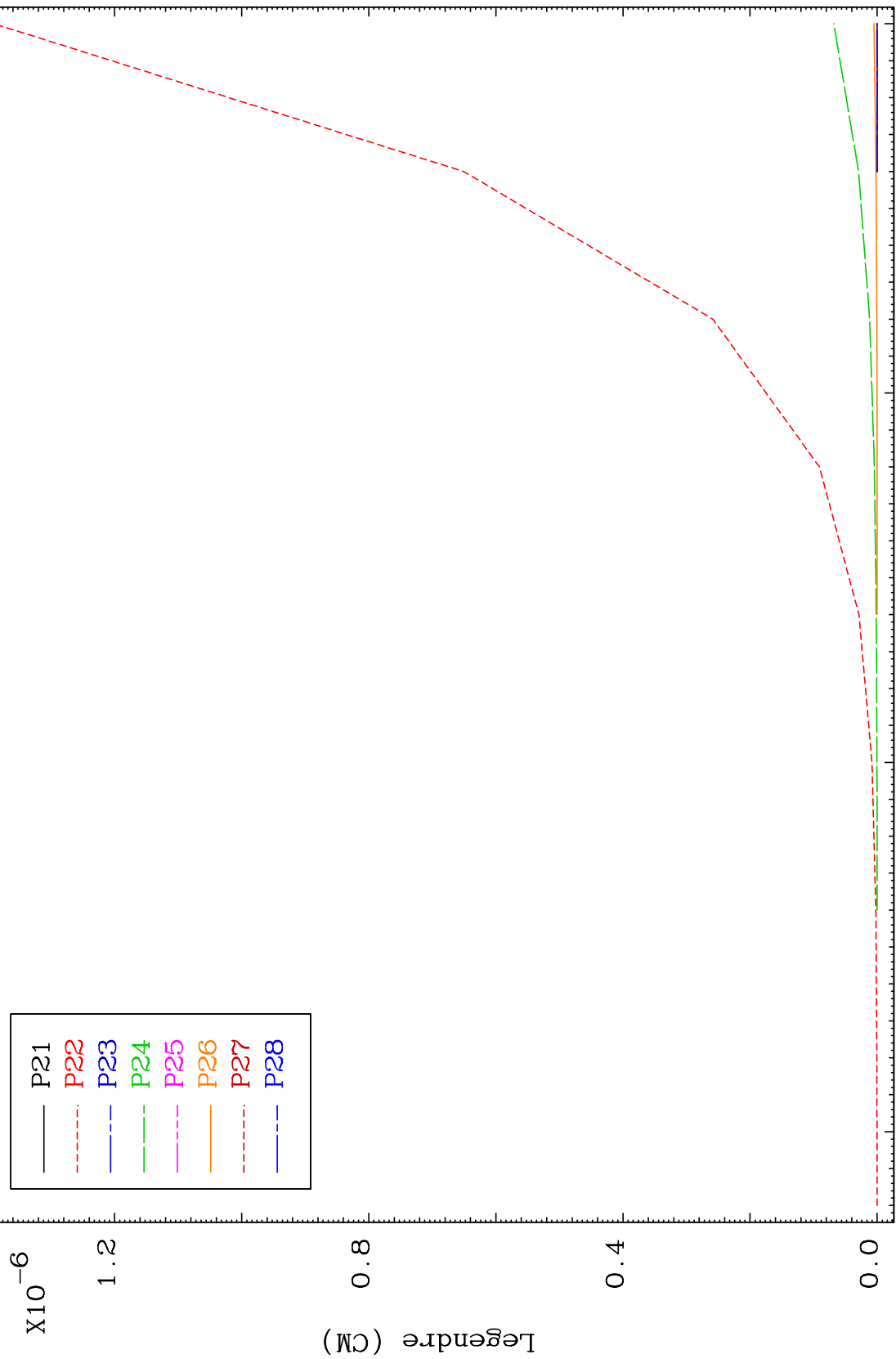
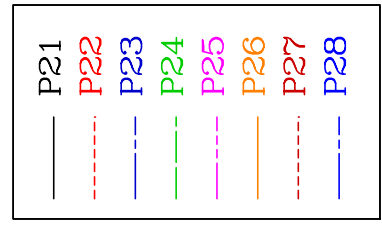




MAT 7250

Elastic Legendre Coefficients

72-Hf-182m



18

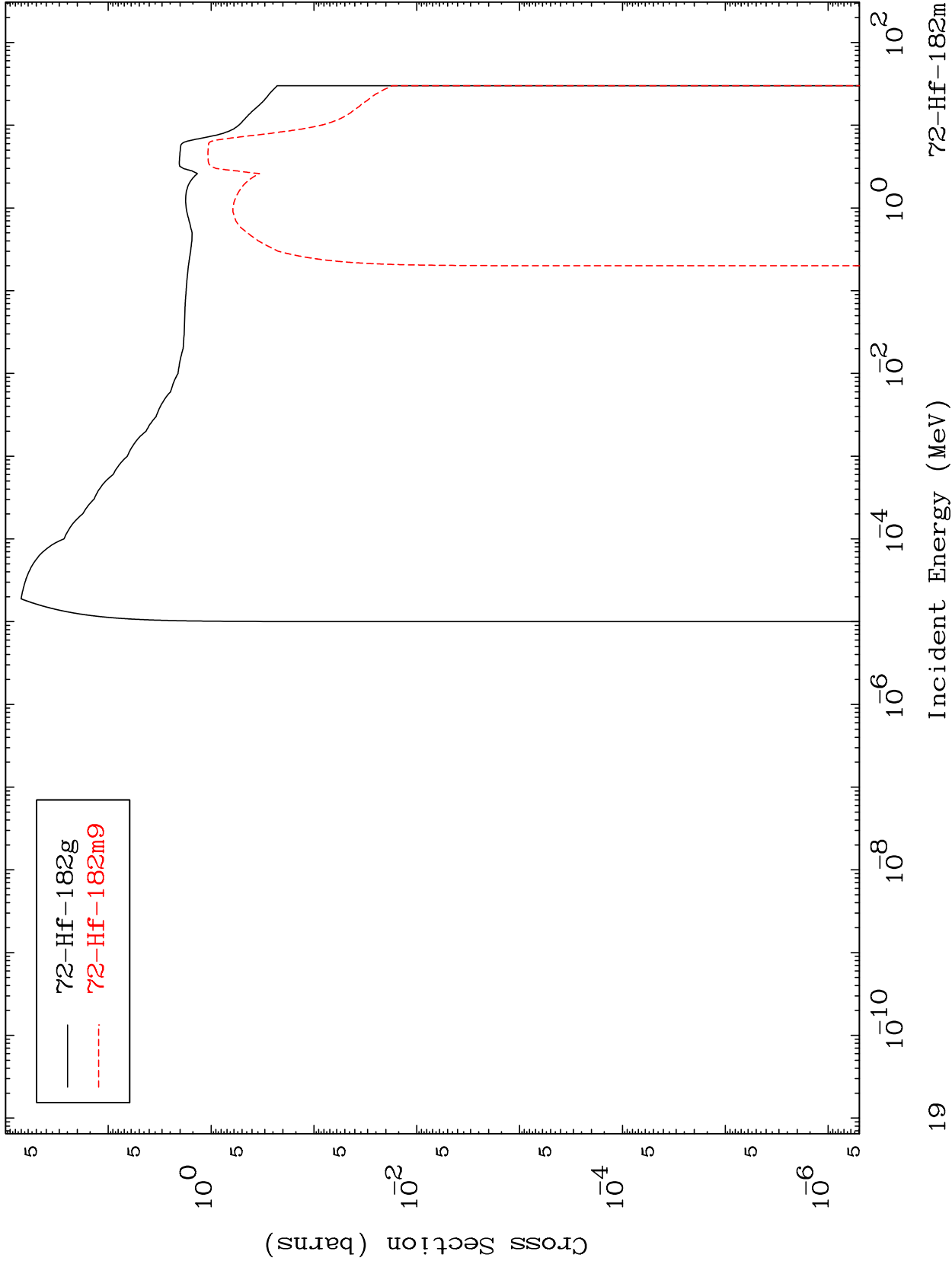
Incident Energy (MeV)

72-Hf-182m

MAT 7250

Radionuclide Production Cross Section

⁷²Hf-182m

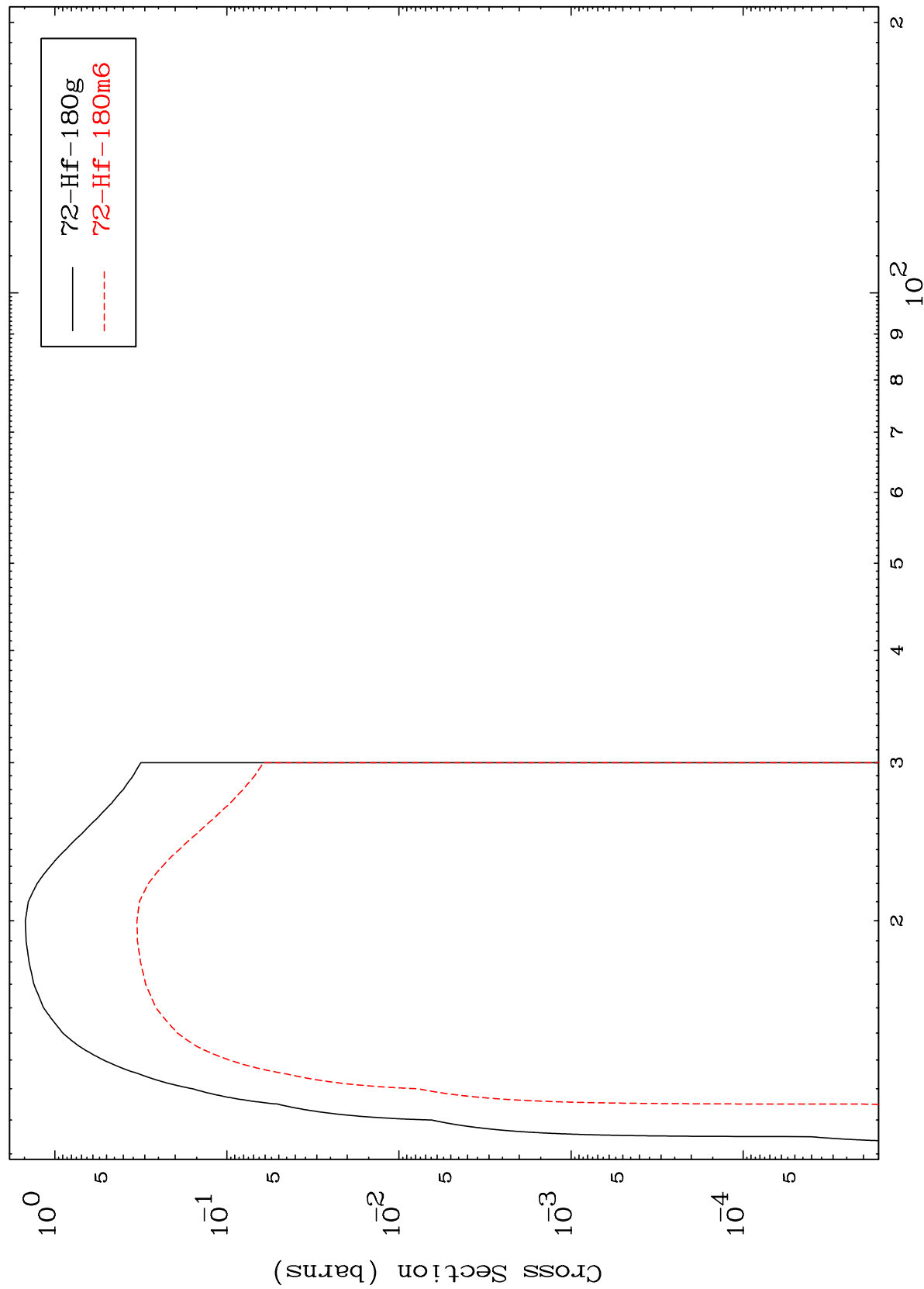


MAT 7250

(n,3n)

72-Hf-182m

Radionuclide Production Cross Section



Incident Energy (MeV)

72-Hf-182m

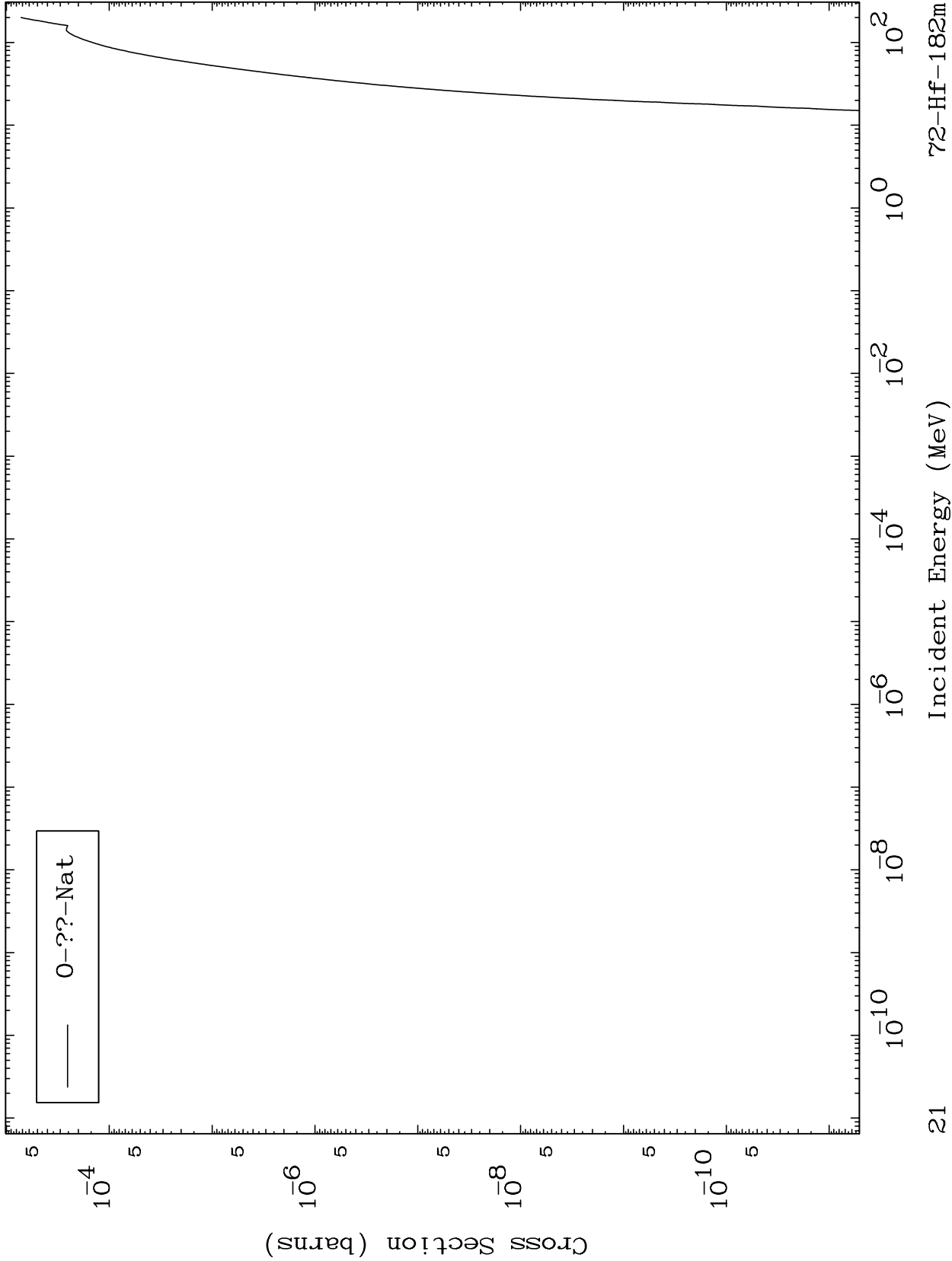
20

MAT 7250

Fission

⁷²Hf-182m

Radionuclide Production Cross Section

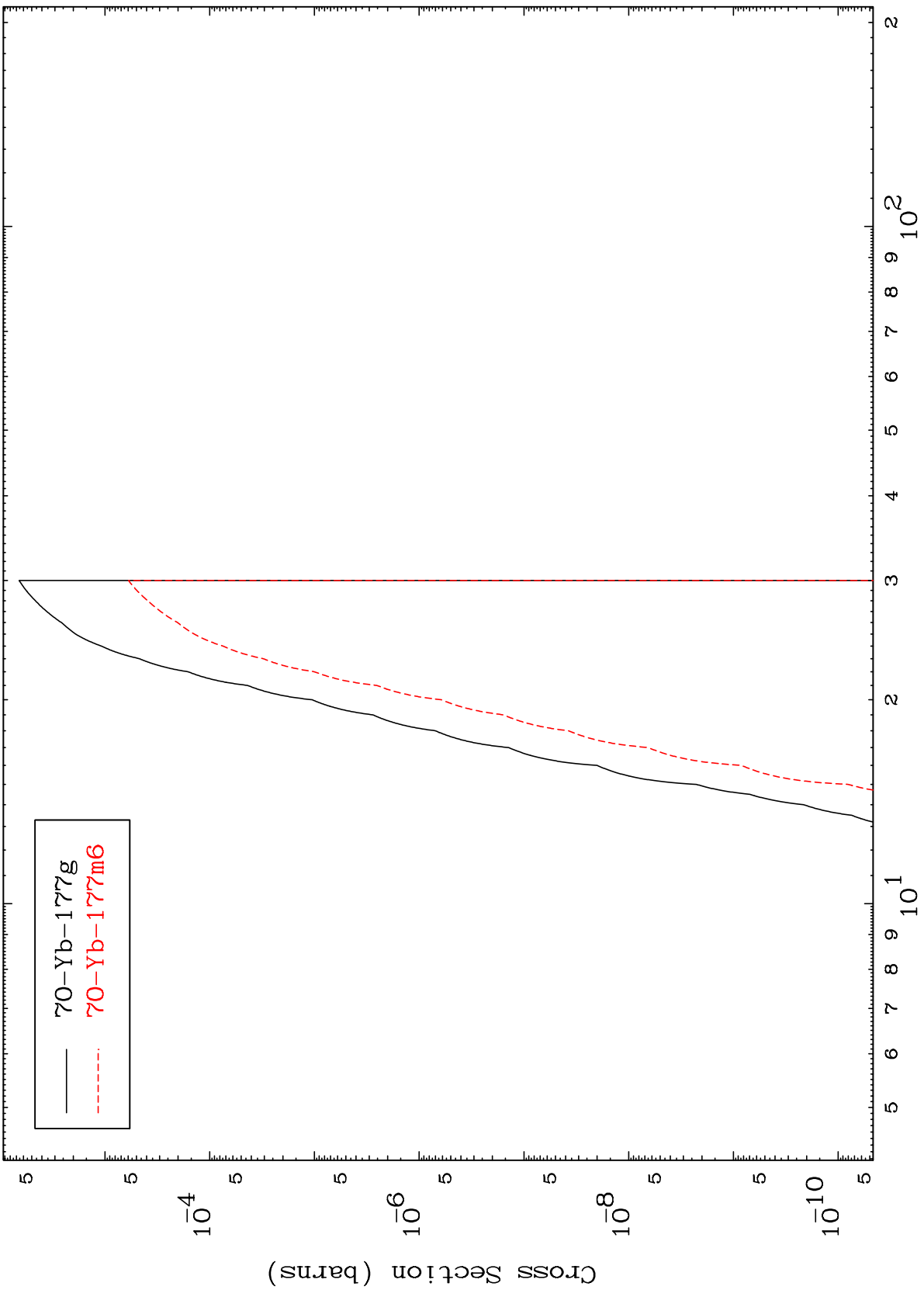


MAT 7250

$(n,2n) \alpha$

$^{72}\text{Hf}-182\text{m}$

Radionuclide Production Cross Section



22

Incident Energy (MeV)

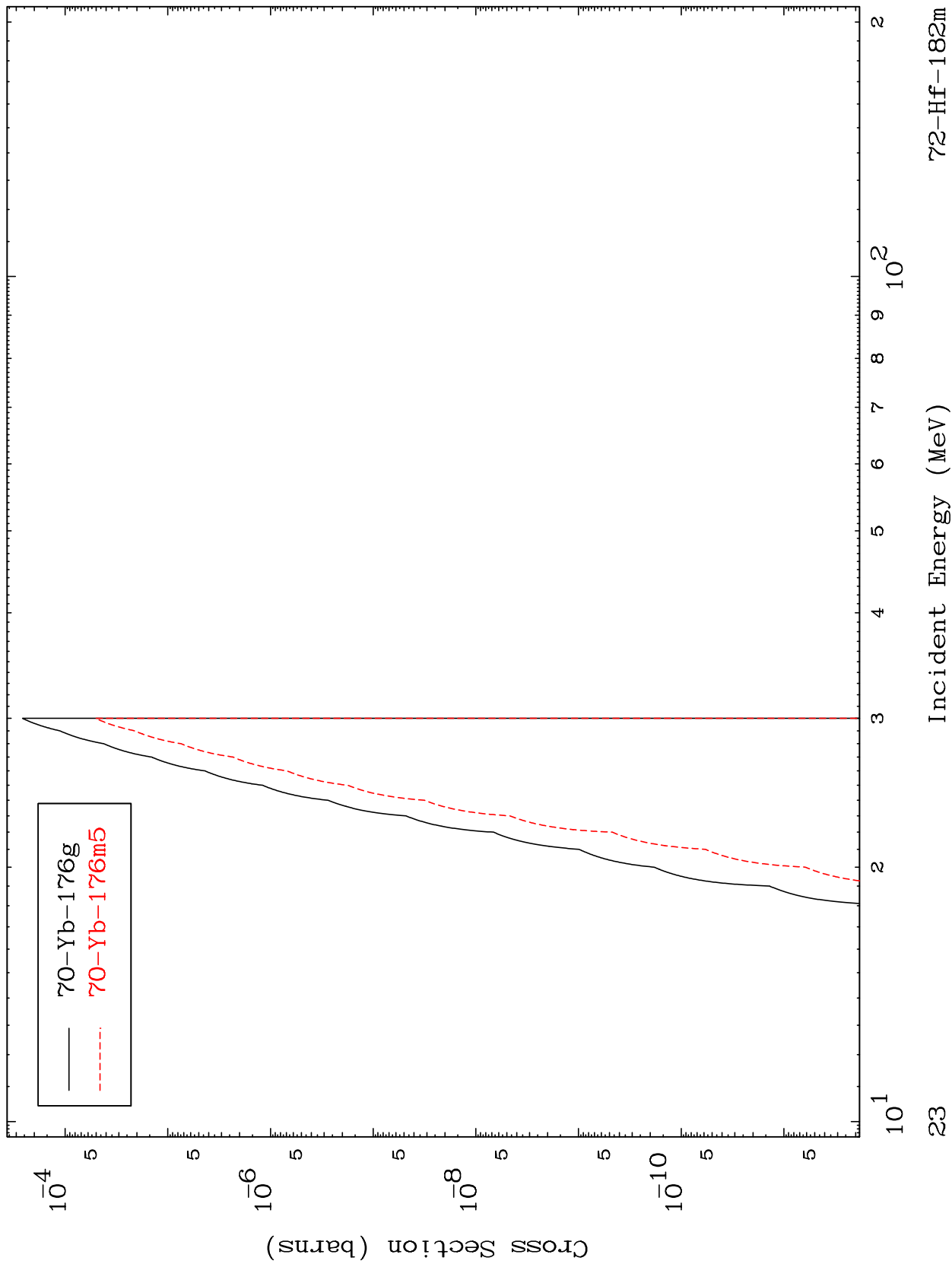
$^{72}\text{Hf}-182\text{m}$

MAT 7250

(n,3n) α

⁷²Hf-182m

Radionuclide Production Cross Section



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

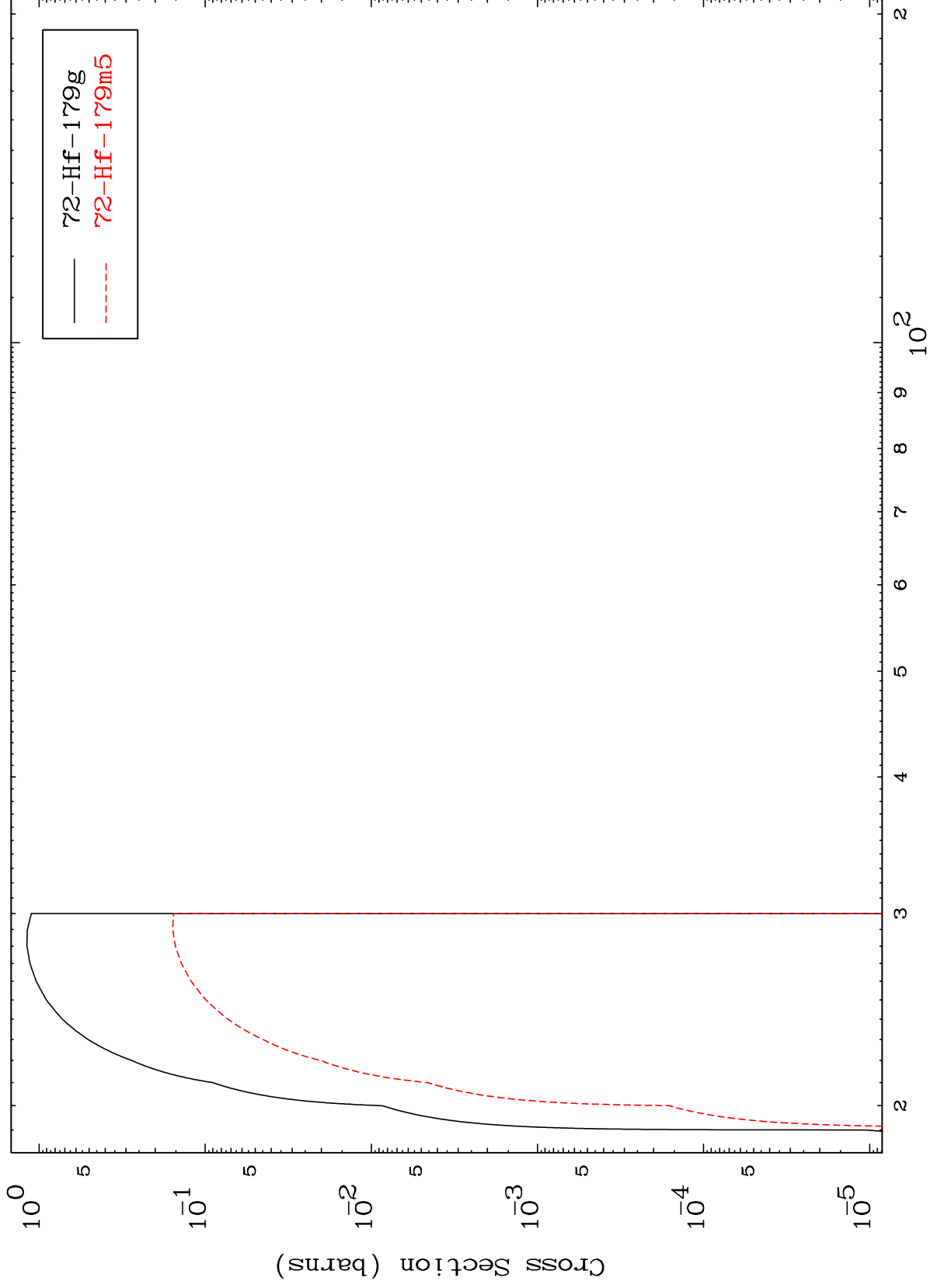
23

MAT 7250

(n,4n)

72-Hf-182m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

72-Hf-182m