

Program EVALPLOT
(Version 2017-1)

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

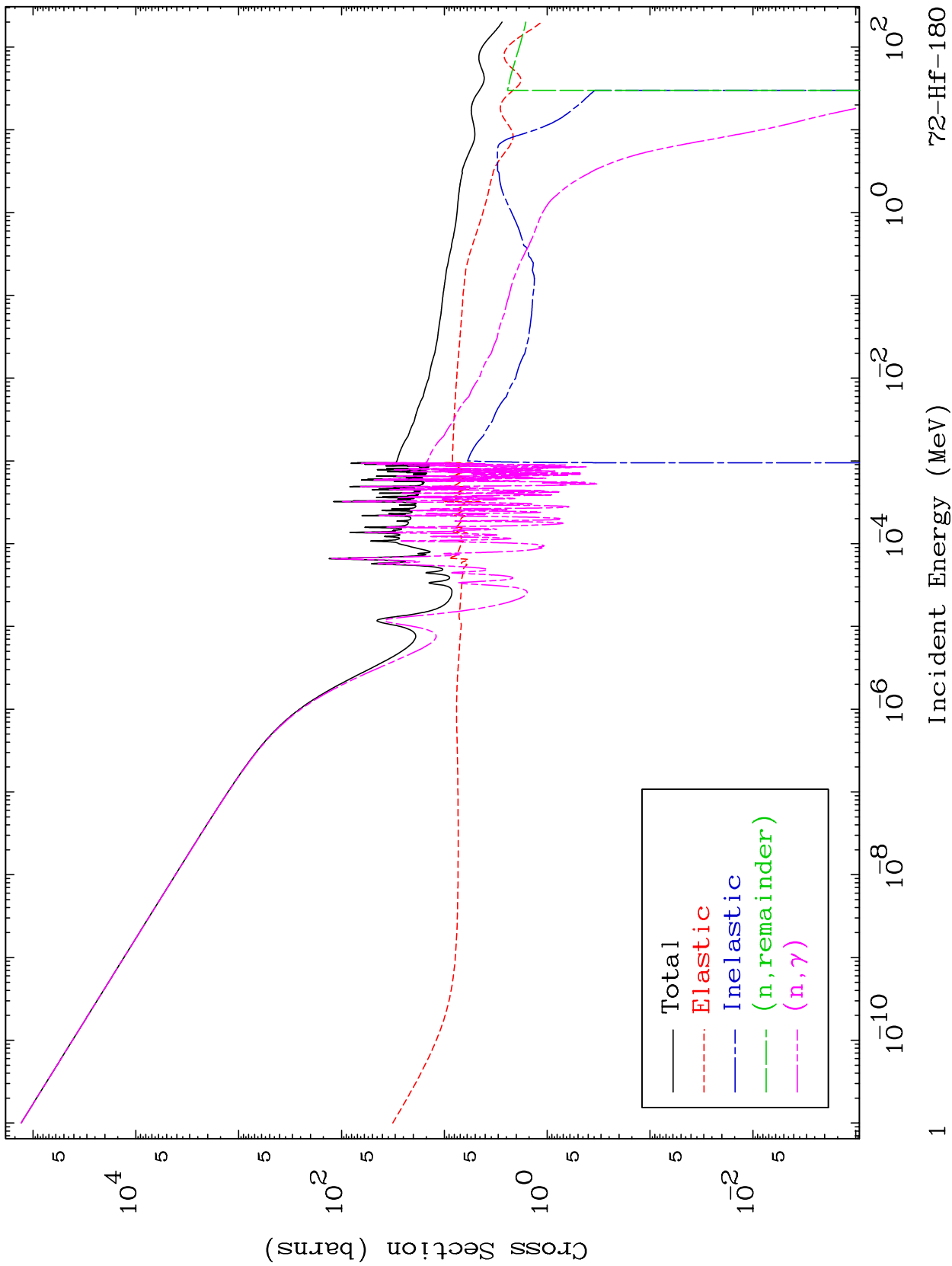
Press Mouse Button to Start

MAT 7244

Major

293 Kelvin Cross Sections

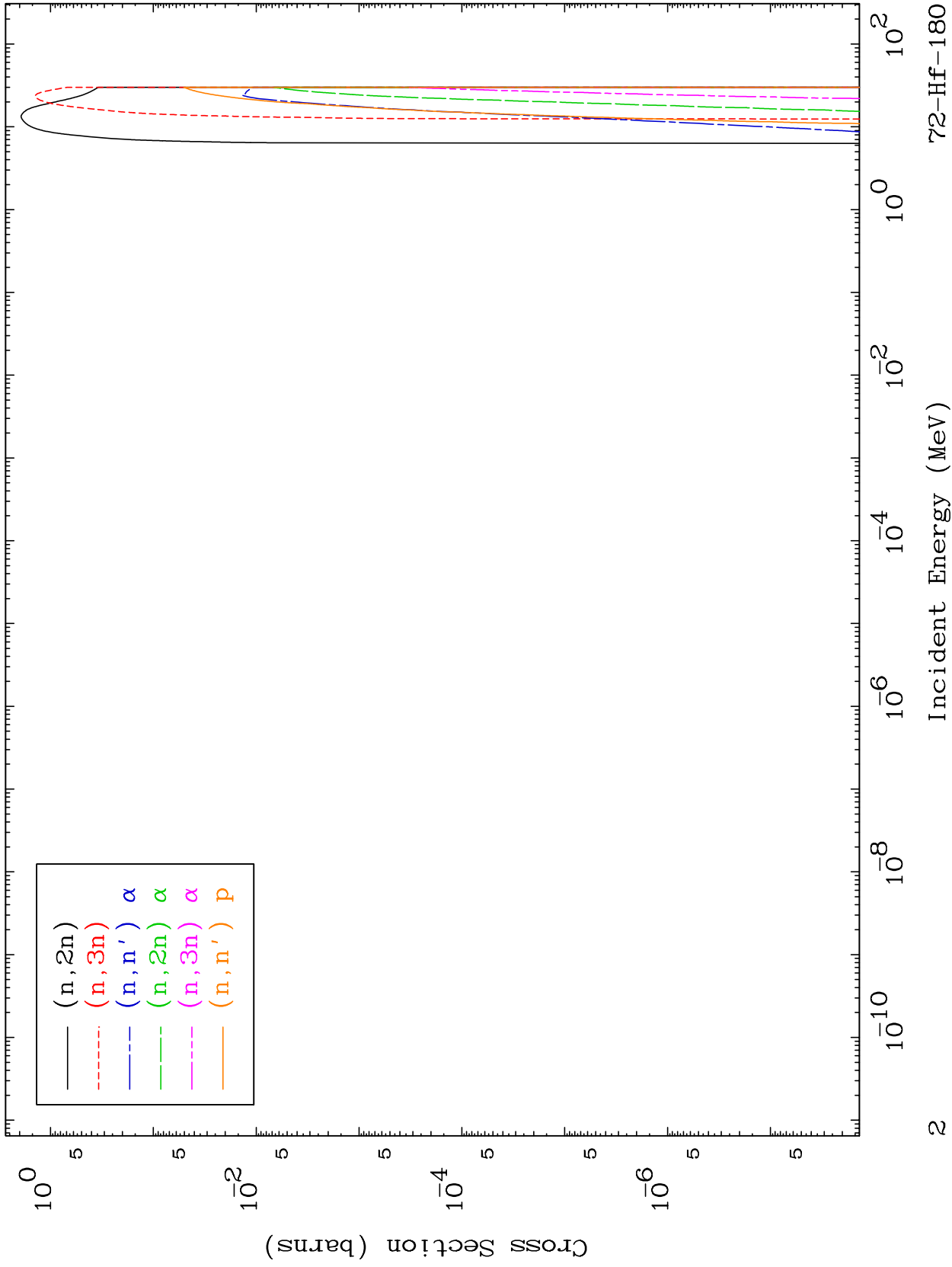
72-Hf-180

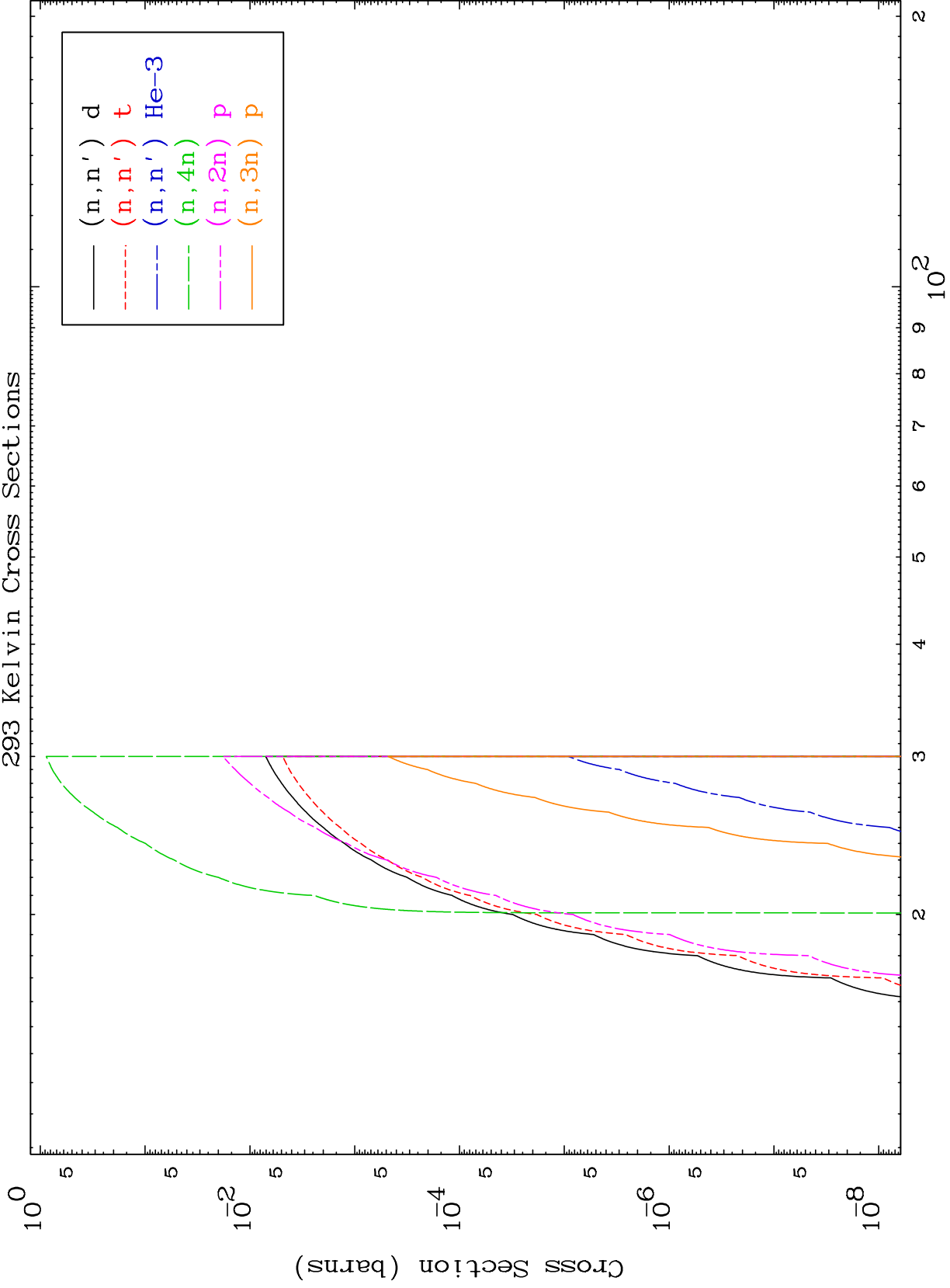


MAT 7244

Neutron Production
293 Kelvin Cross Sections

72-Hf-180

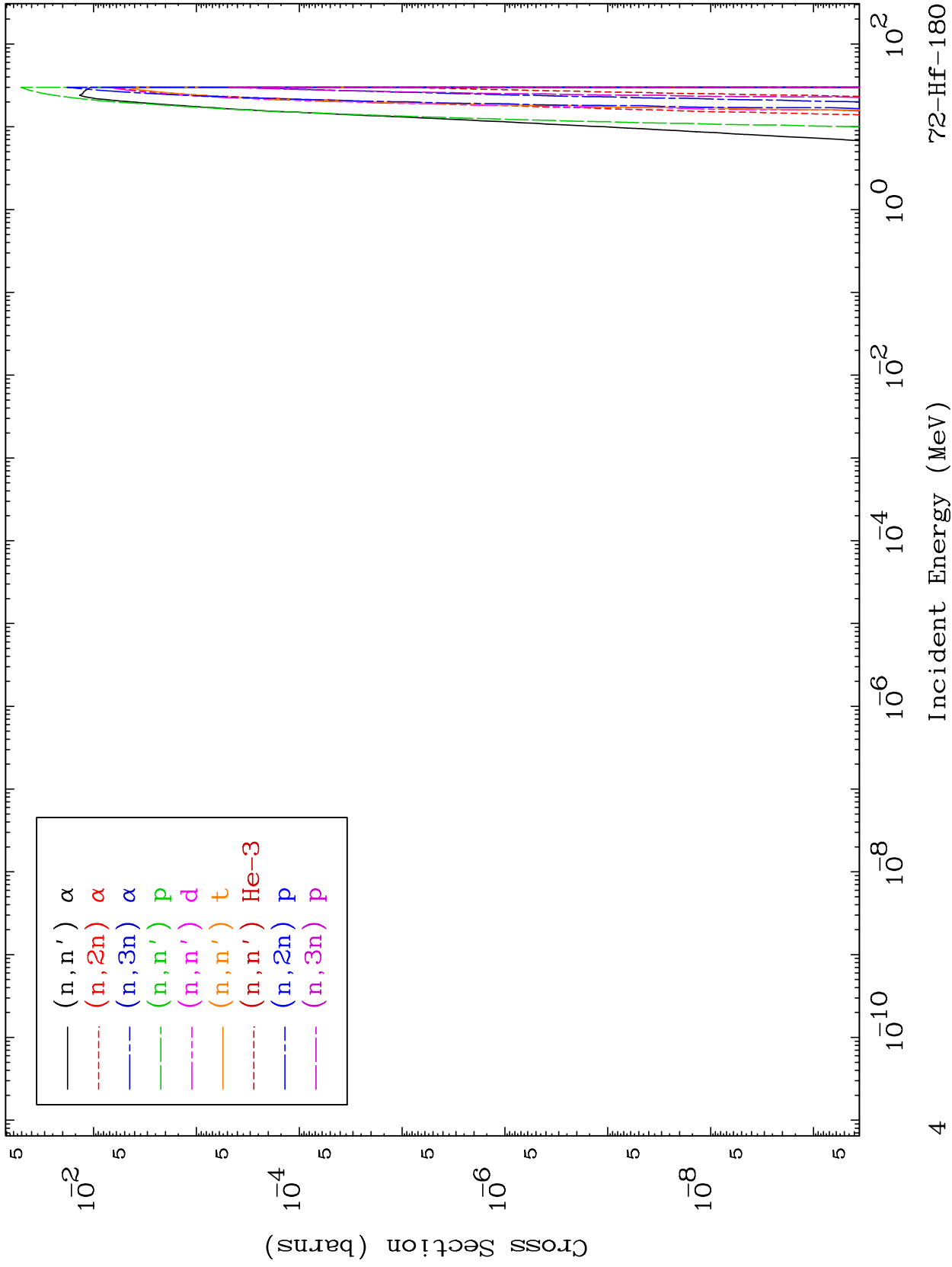




MAT 7244

Charged Particle
293 Kelvin Cross Sections

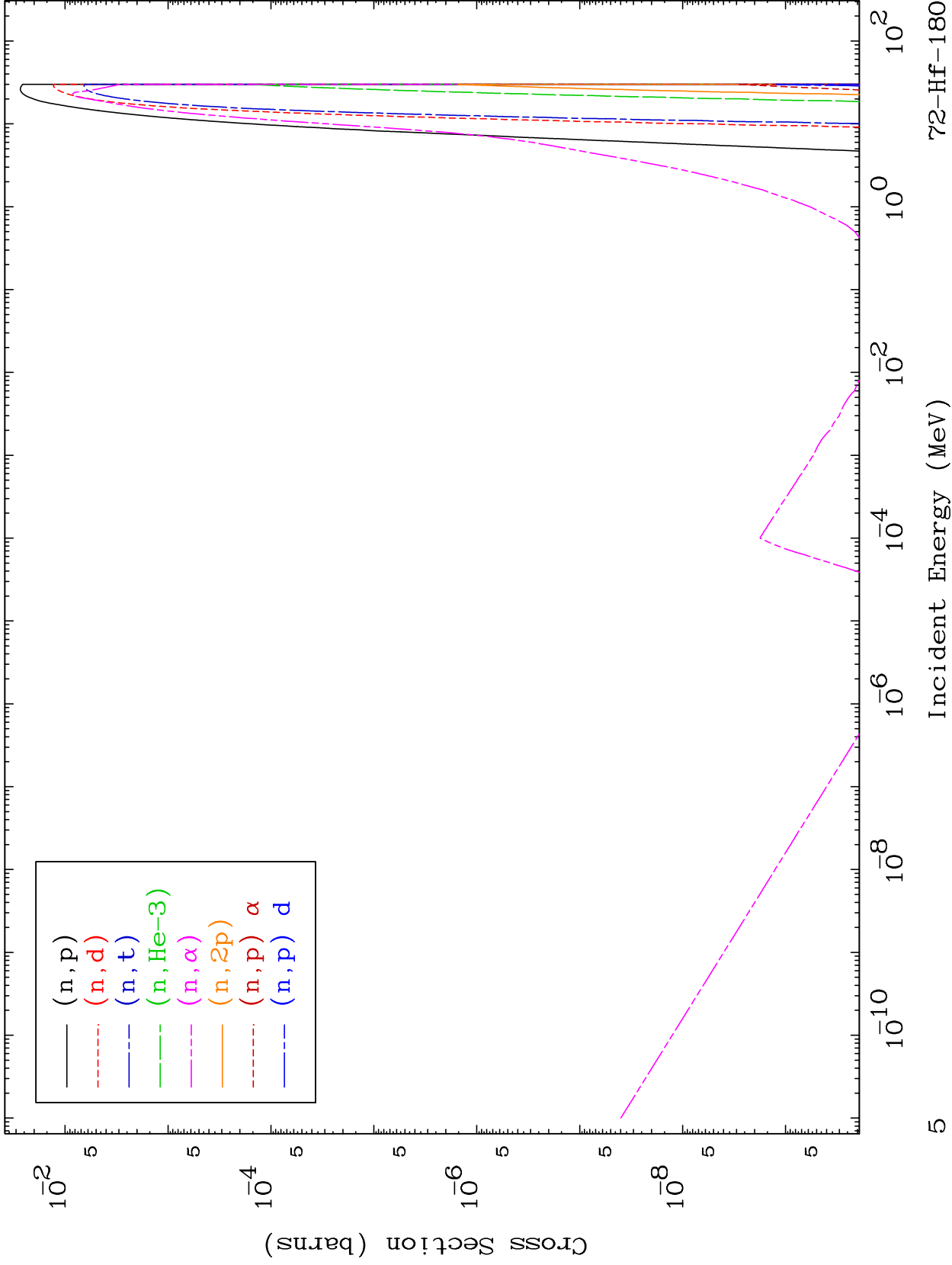
72-Hf-180

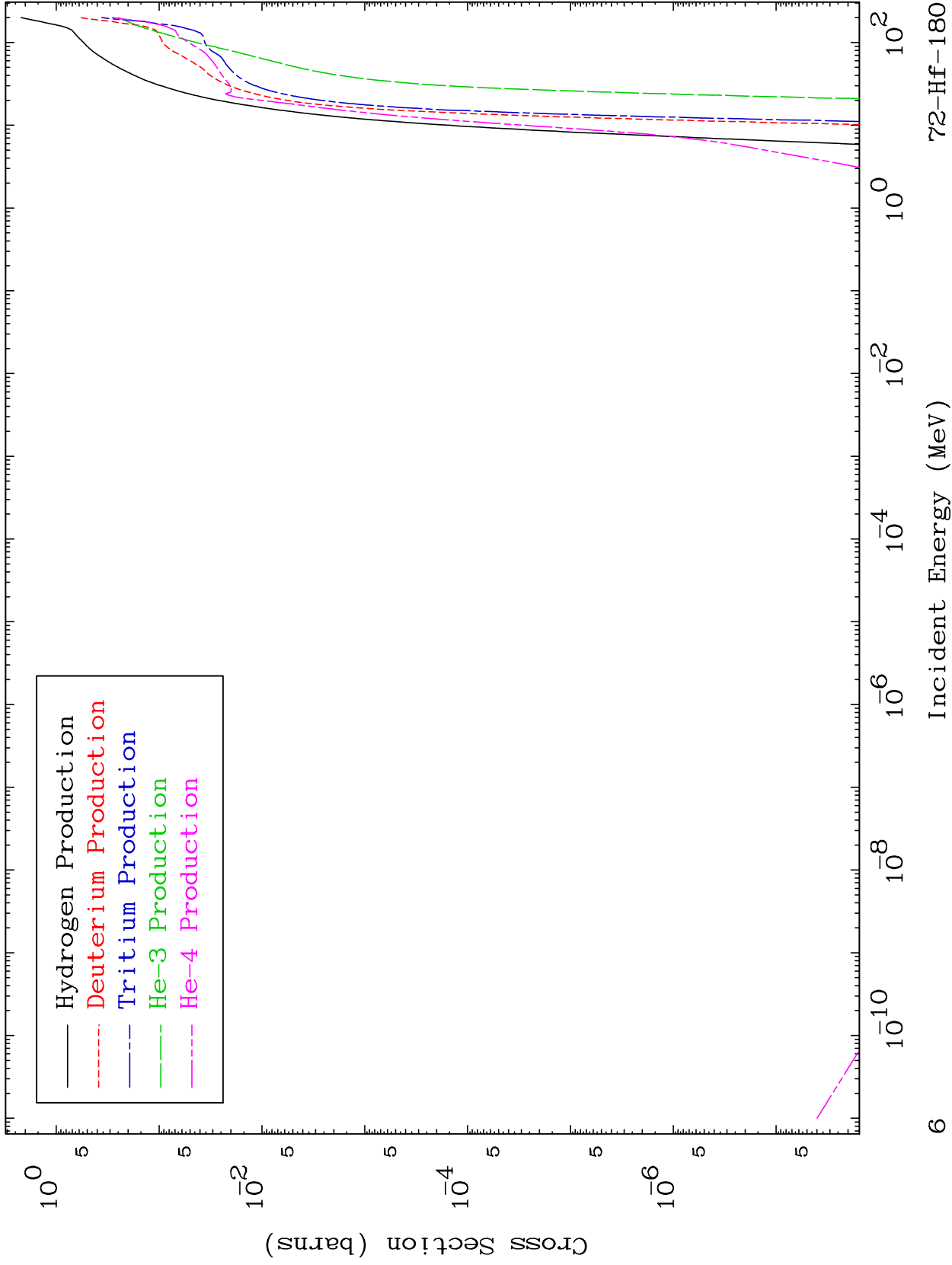


MAT 7244

Charged Particle
293 Kelvin Cross Sections

72-Hf-180



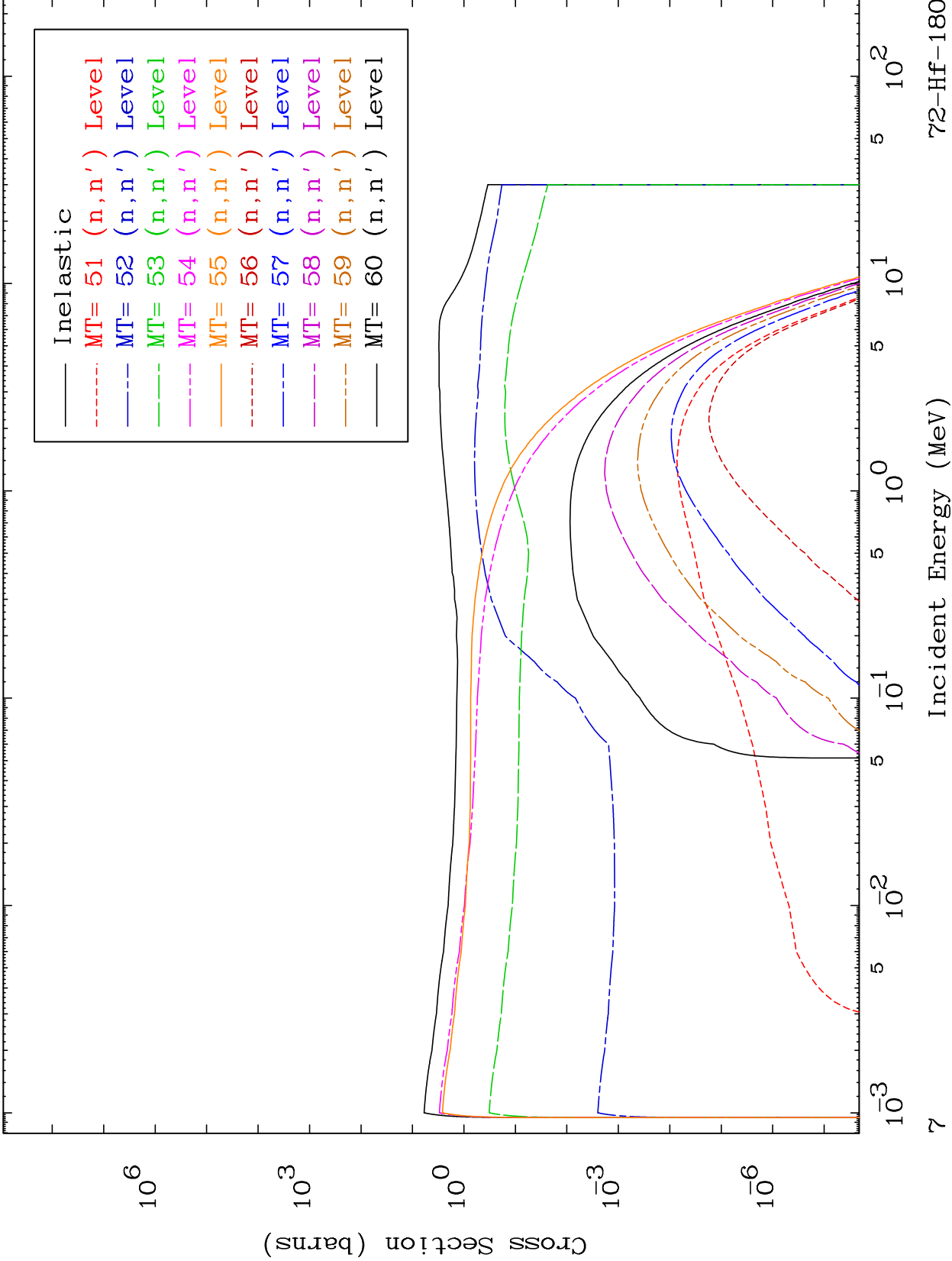


MAT 7244

(n,n') Level

72-Hf-180

293 Kelvin Cross Sections



72-Hf-180

Incident Energy (MeV)

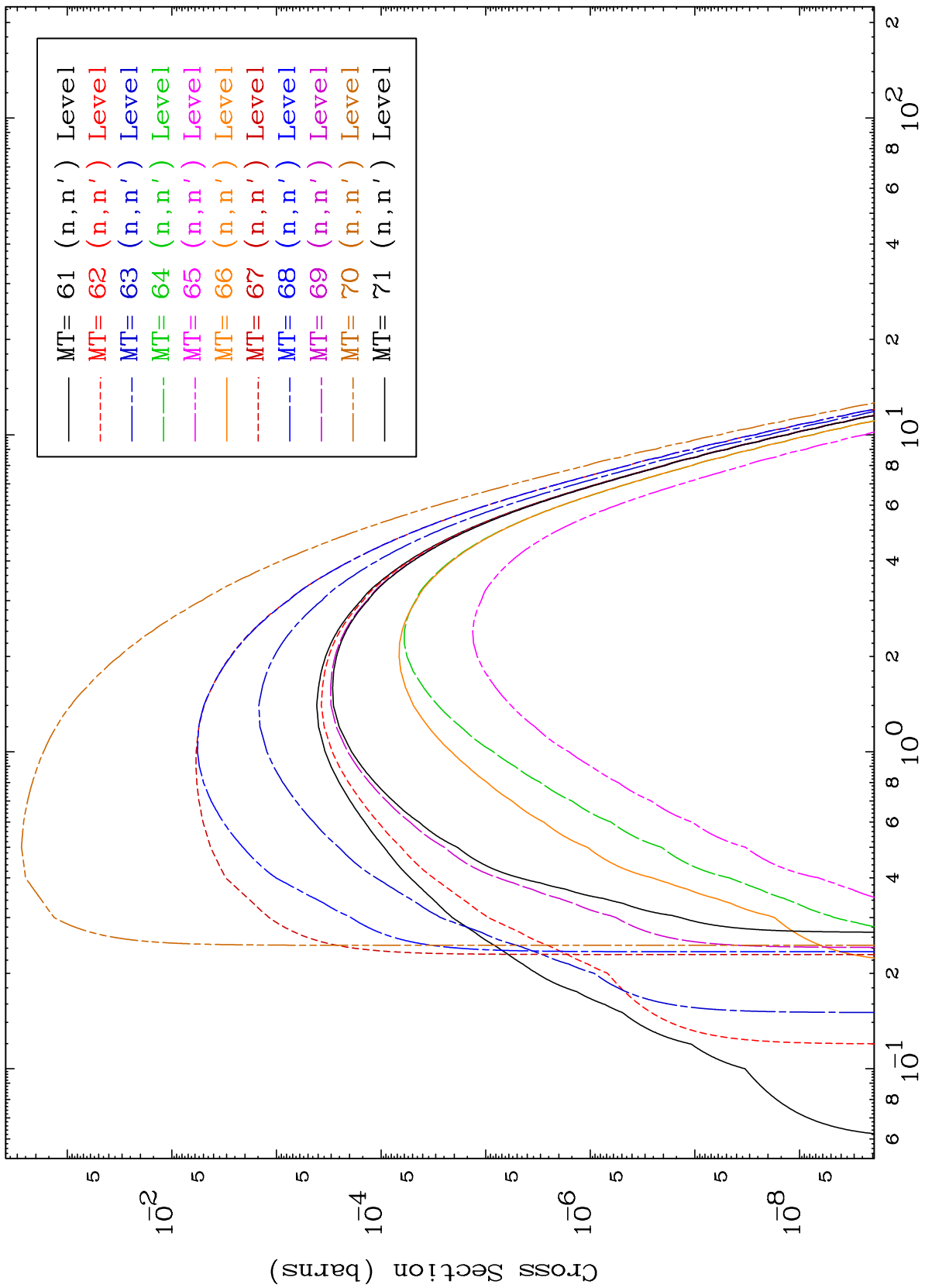
7

MAT 7244

(n,n') Level

72-Hf-180

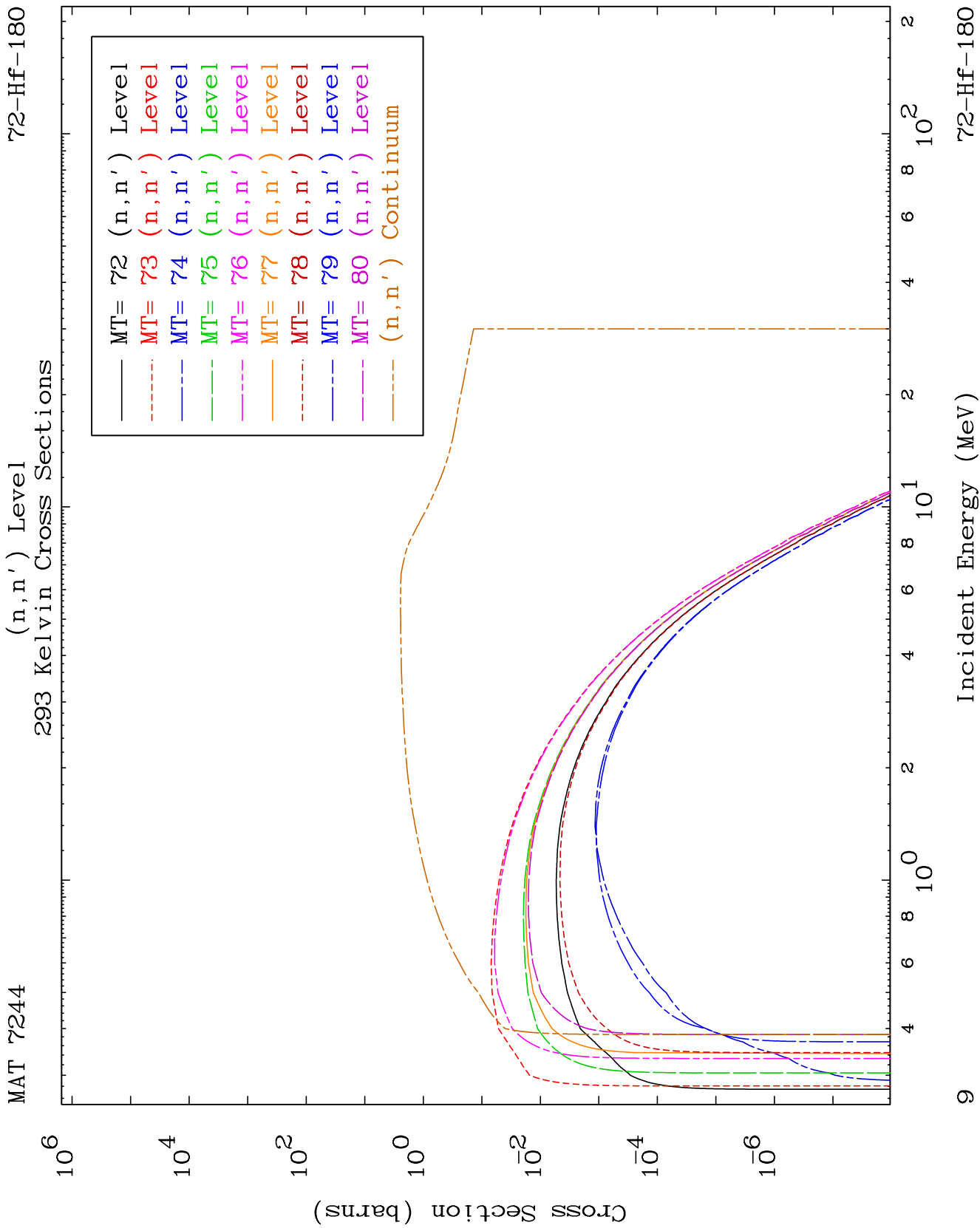
293 Kelvin Cross Sections



8

Incident Energy (MeV)

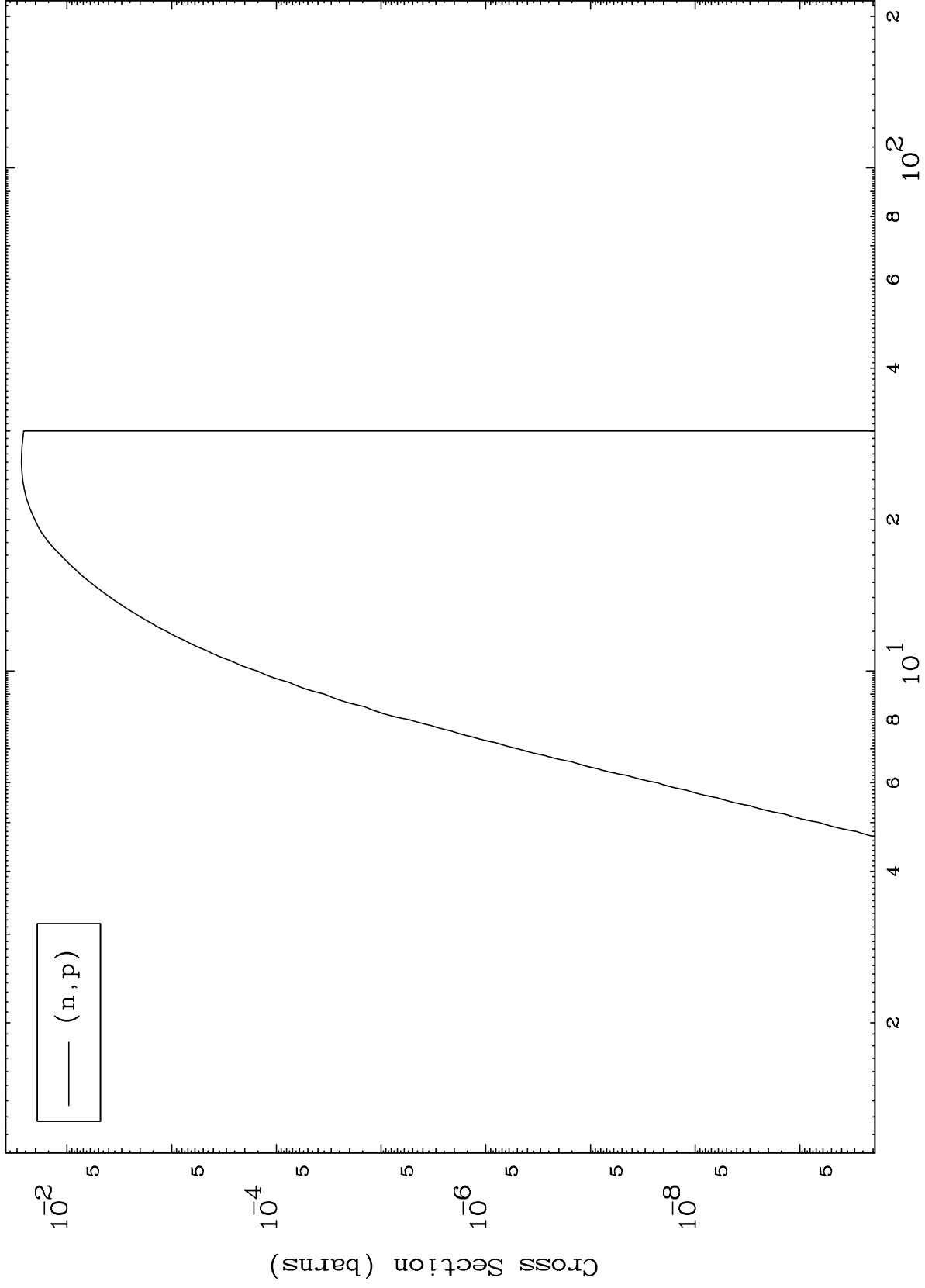
72-Hf-180



MAT 7244

(n,p) Levels
293 Kelvin Cross Sections

72-Hf-180



10

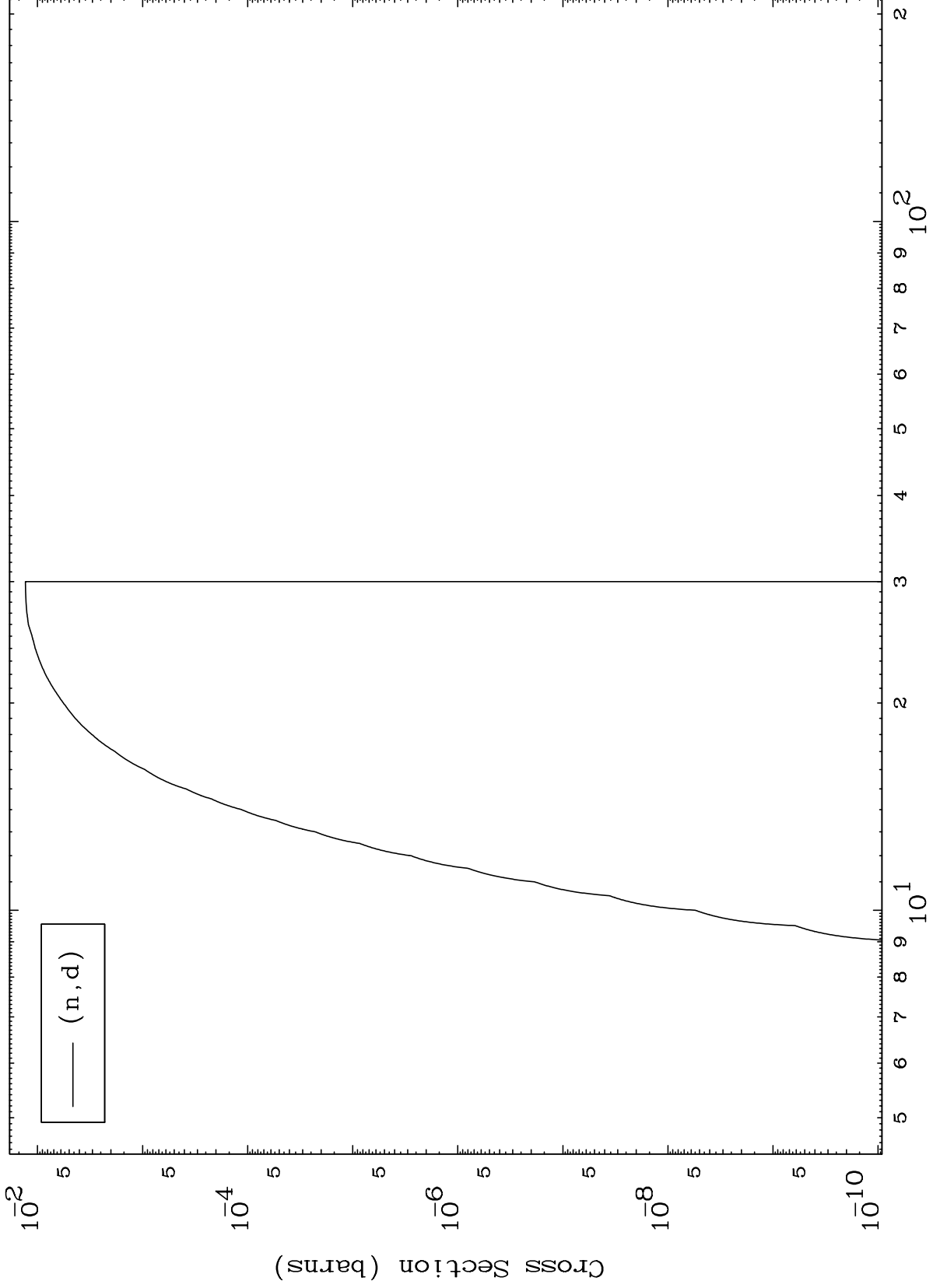
Incident Energy (MeV)

72-Hf-180

MAT 7244

(n,d) Levels
293 Kelvin Cross Sections

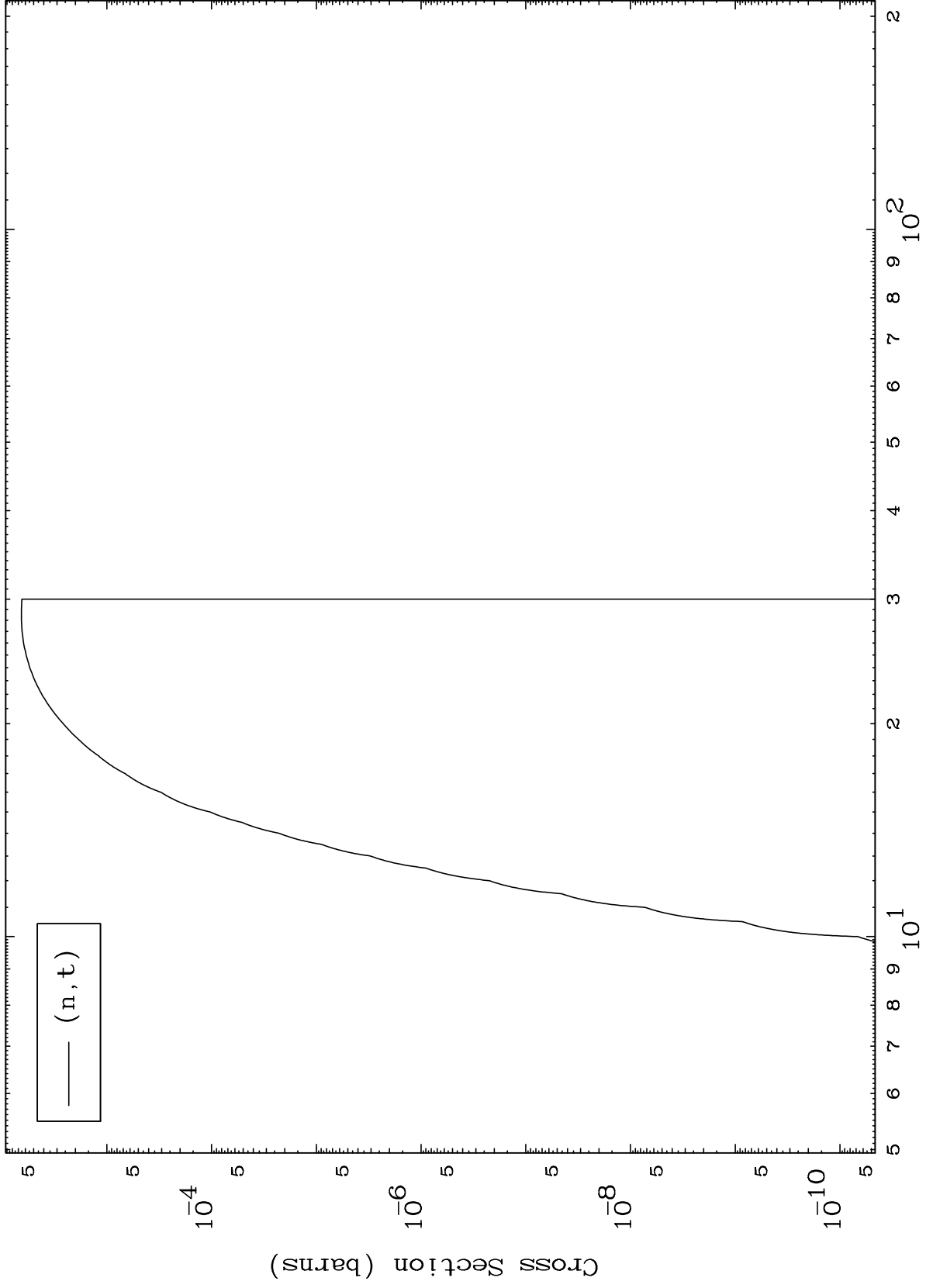
72-Hf-180



MAT 7244

(n,t) Levels
293 Kelvin Cross Sections

72-Hf-180



12

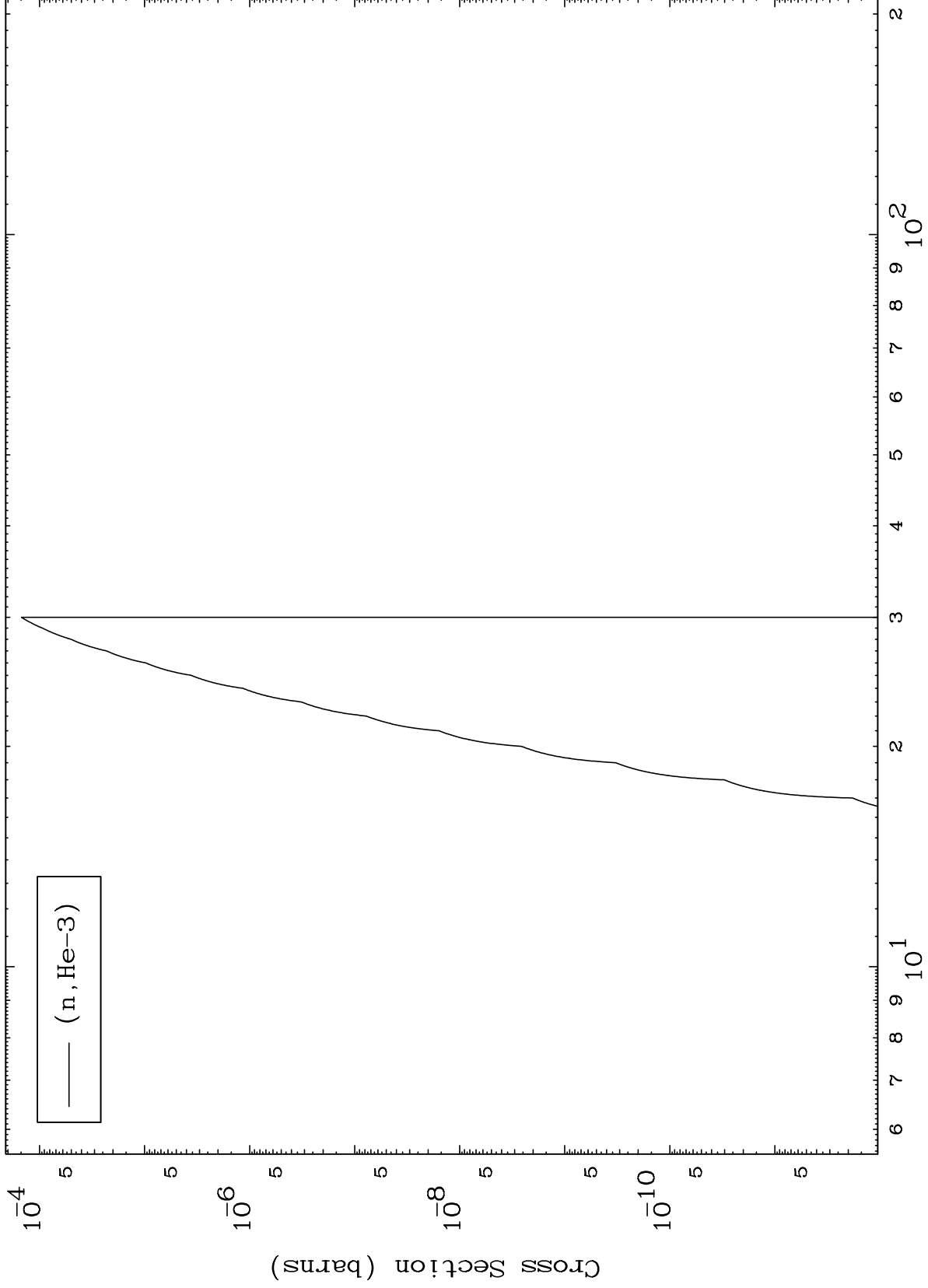
Incident Energy (MeV)

72-Hf-180

MAT 7244

(n,He3) Levels
293 Kelvin Cross Sections

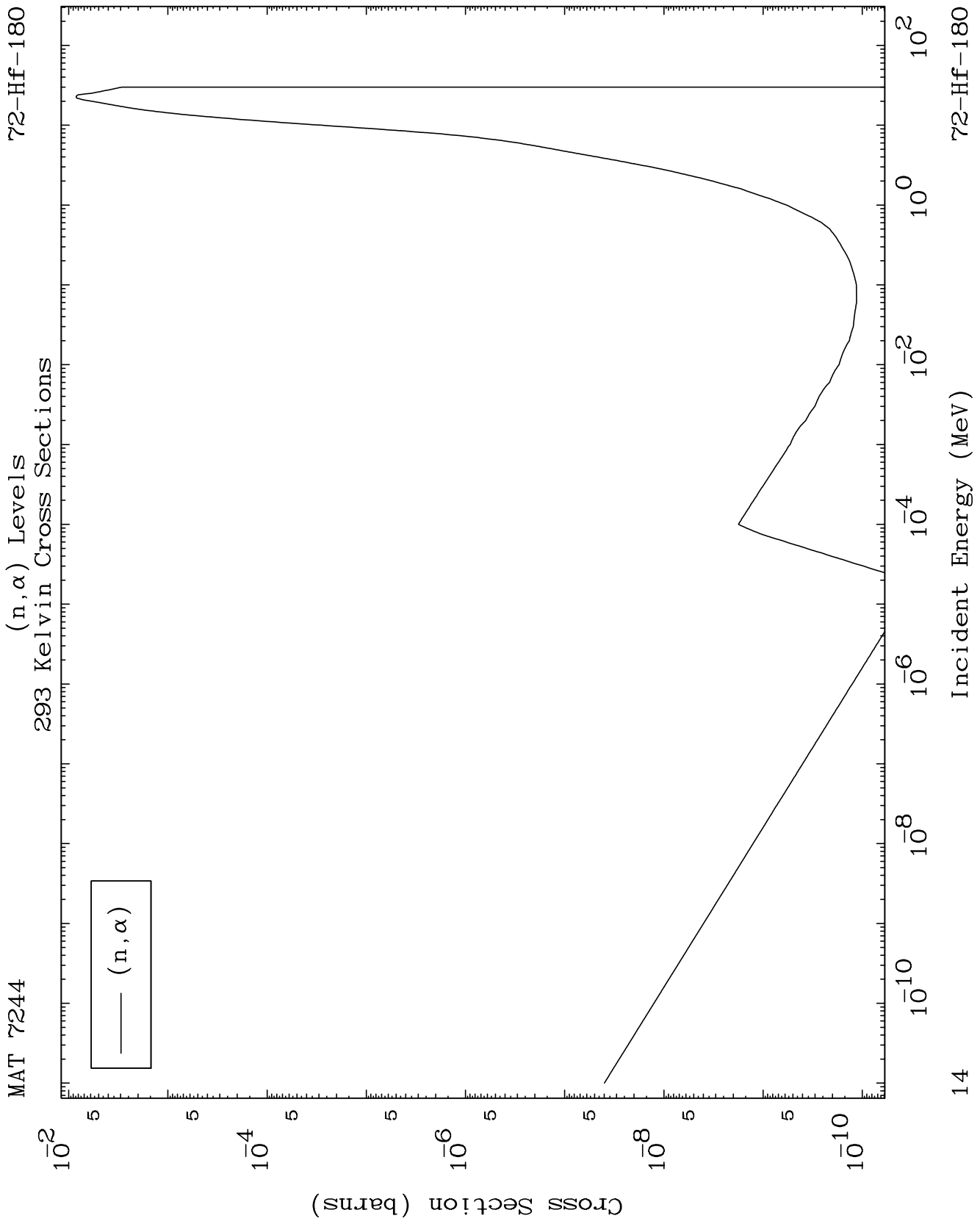
72-Hf-180

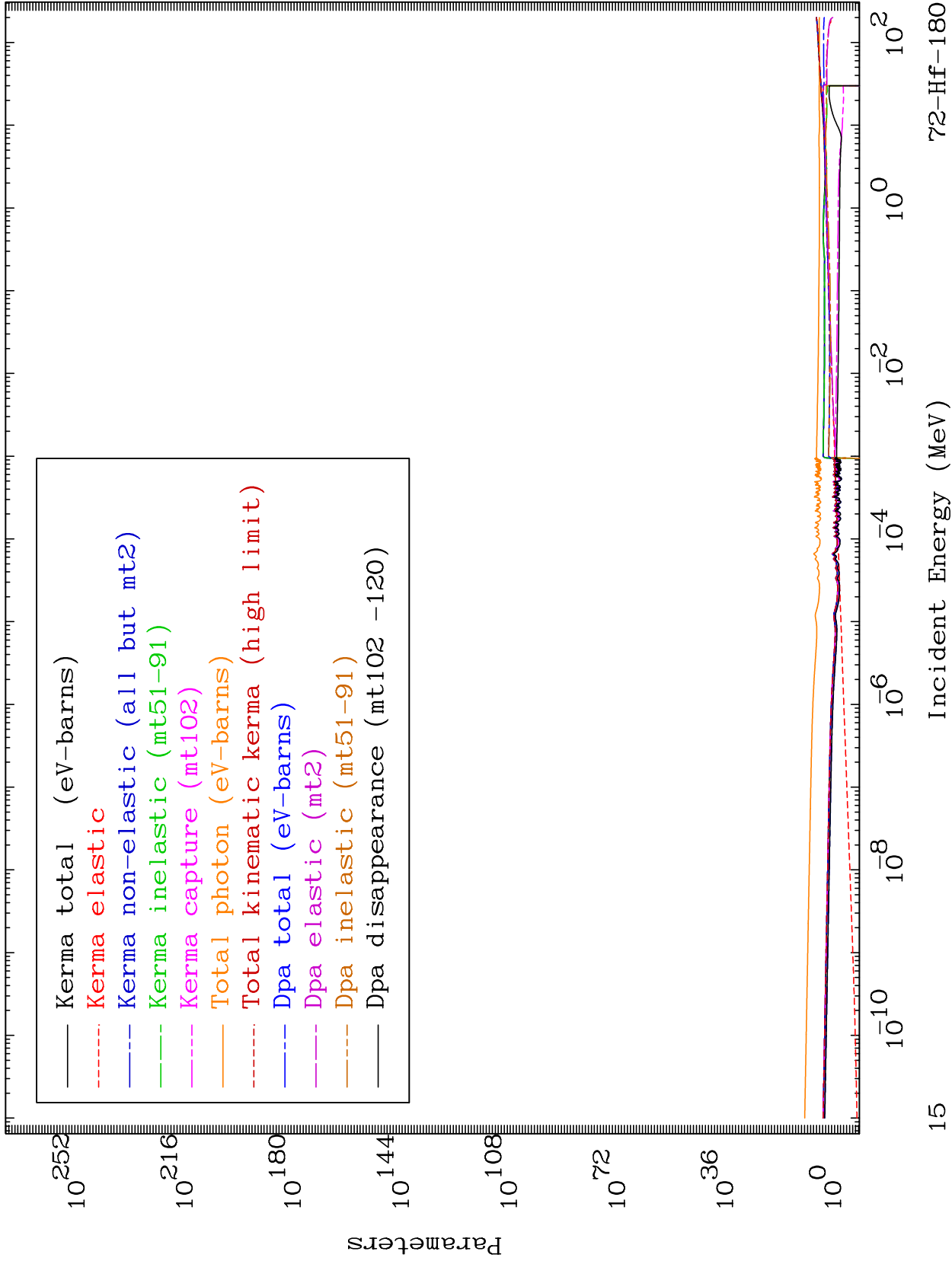


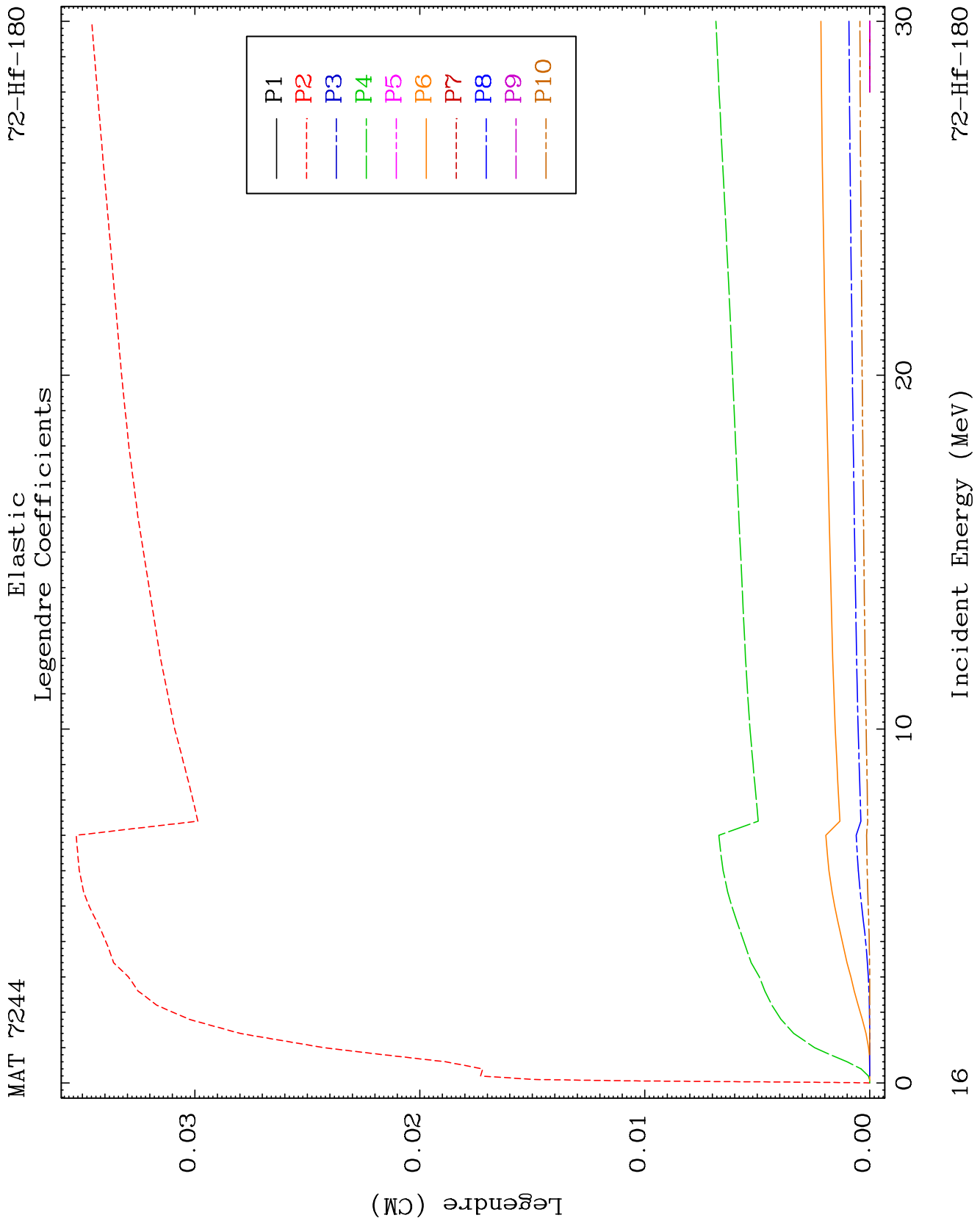
13

Incident Energy (MeV)

72-Hf-180



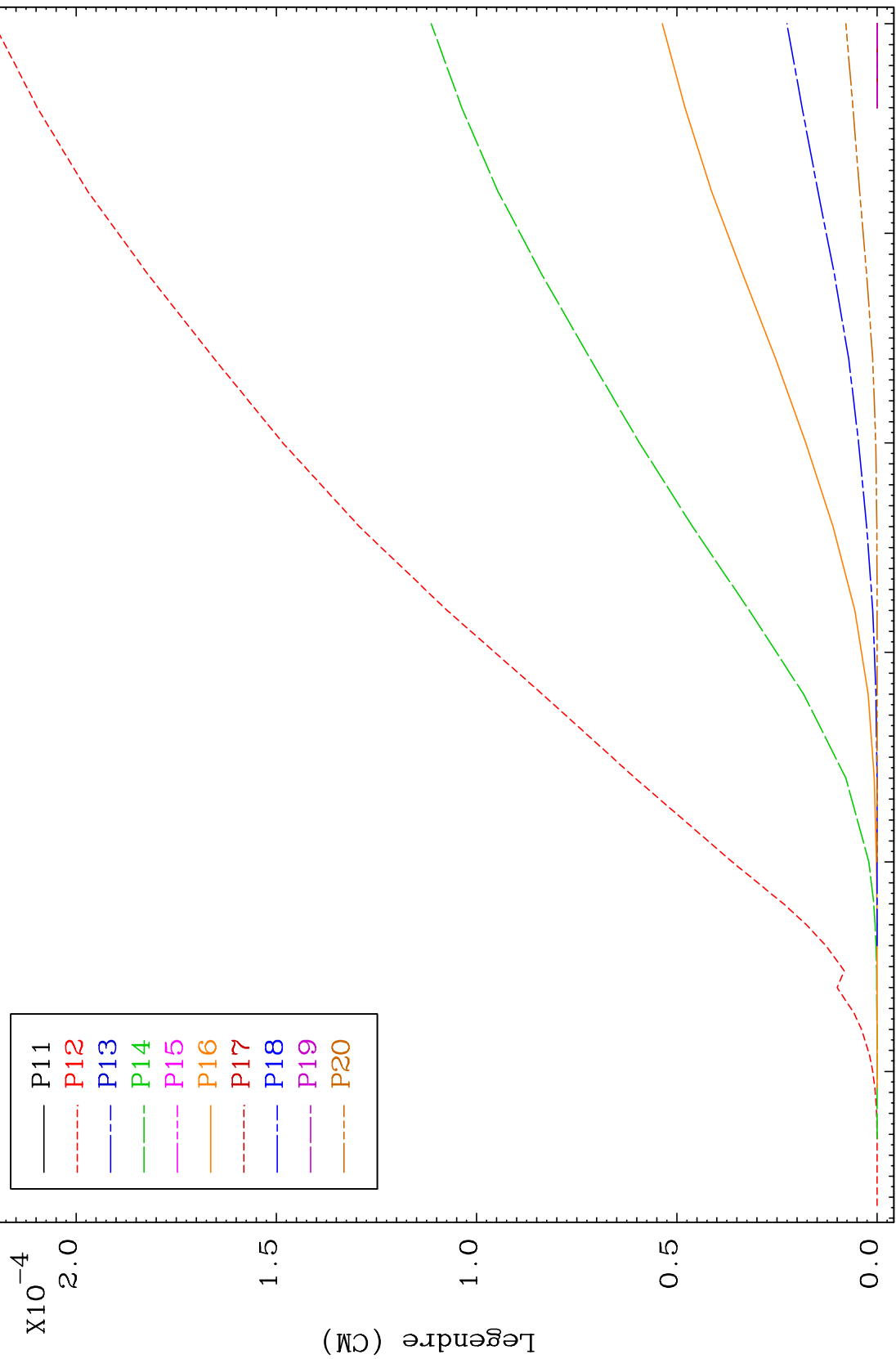
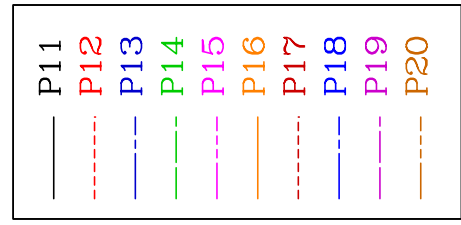




MAT 7244

Elastic
Legendre Coefficients

72-Hf-180



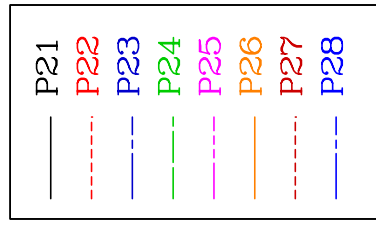
17

72-Hf-180

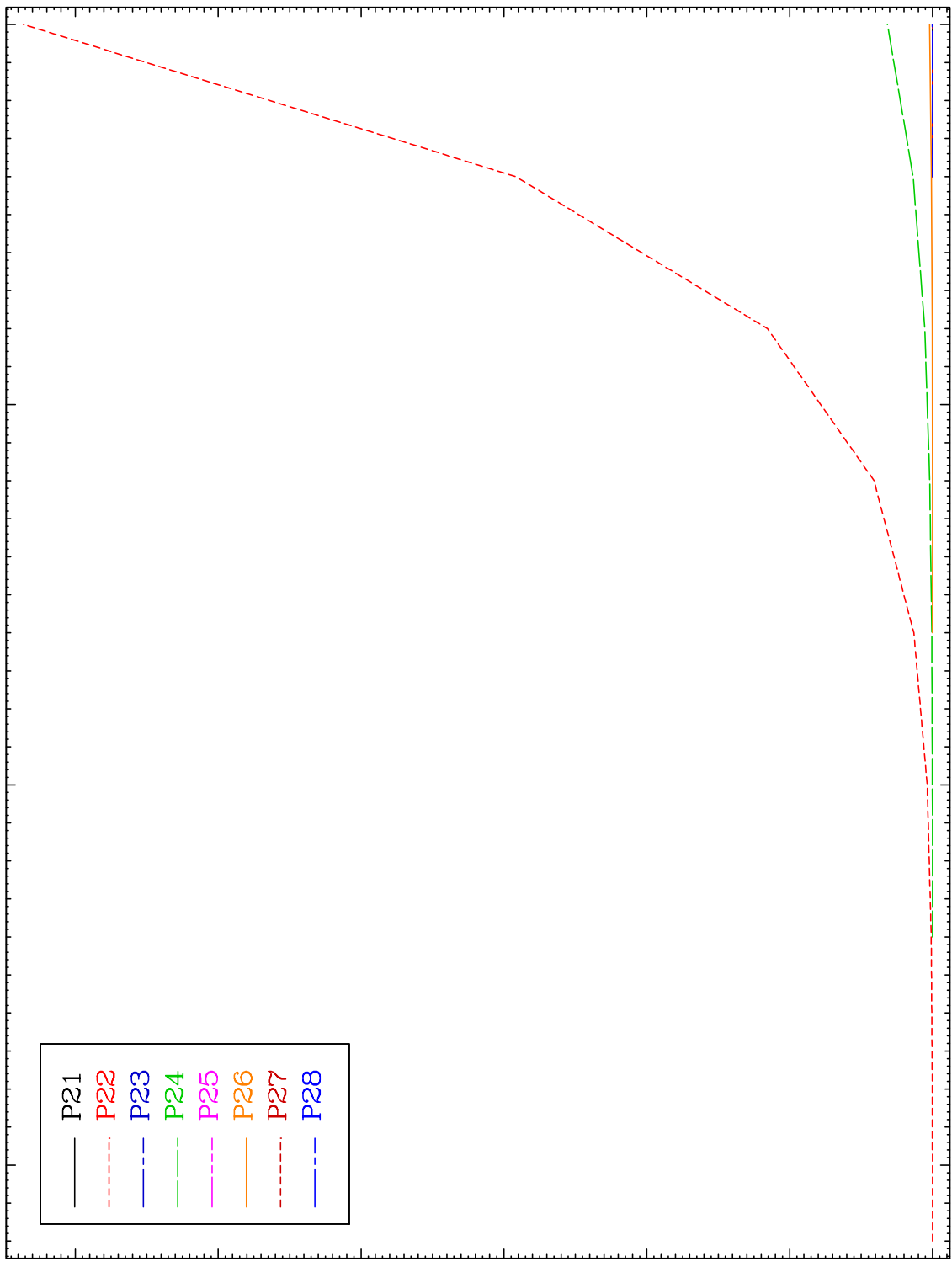
MAT 7244

Elastic Legendre Coefficients

72-Hf-180



Legendre (CM) $\times 10^{-6}$



18

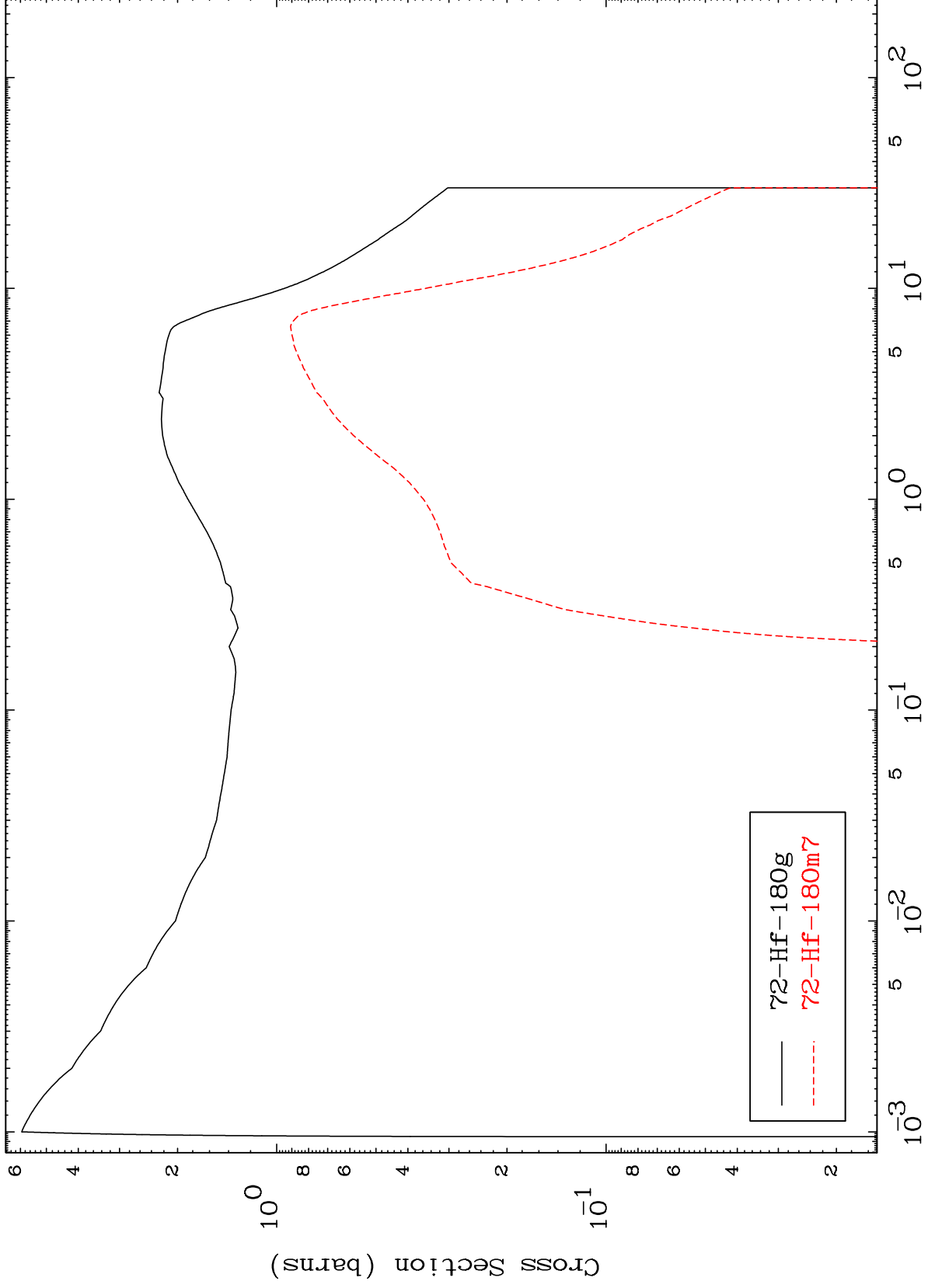
Incident Energy (MeV)

72-Hf-180

MAT 7244

72-Hf-180

Inelastic
Radionuclide Production Cross Section



72-Hf-180

Incident Energy (MeV)

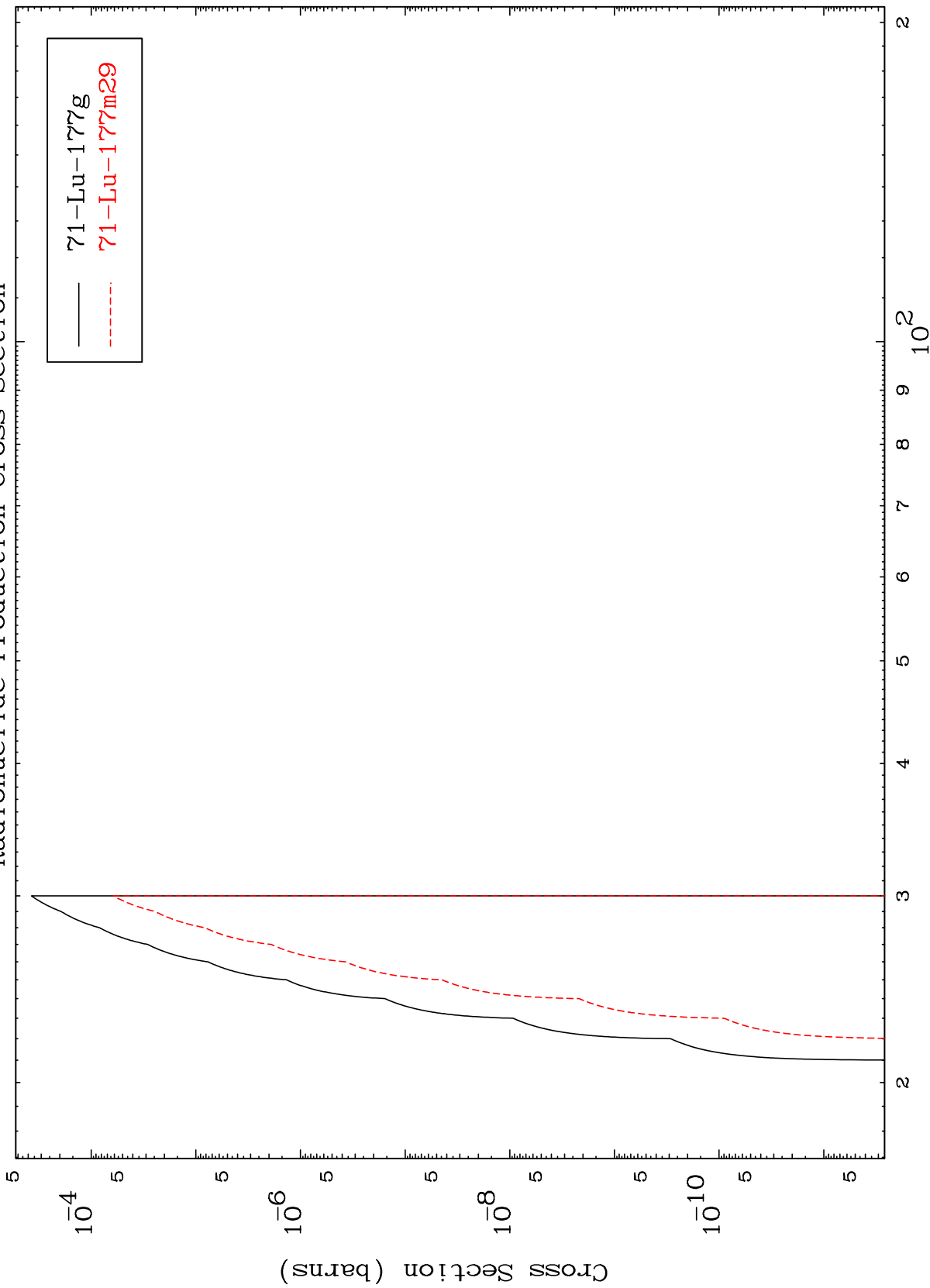
19

MAT 7244

(n,2n) d

72-Hf-180

Radionuclide Production Cross Section



71-Lu-177g
71-Lu-177m29

20

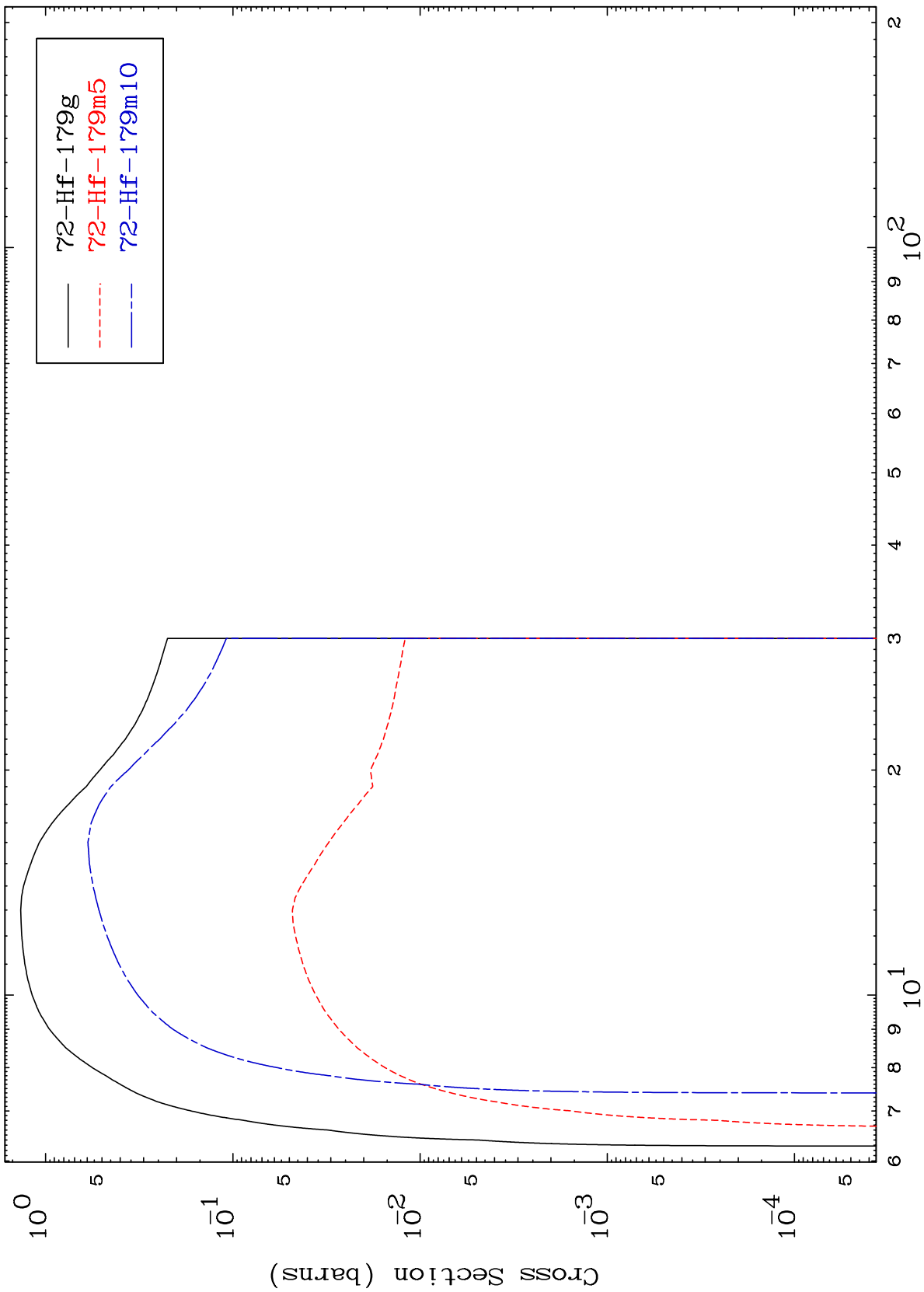
Incident Energy (MeV)

72-Hf-180

MAT 7244

72-Hf-180

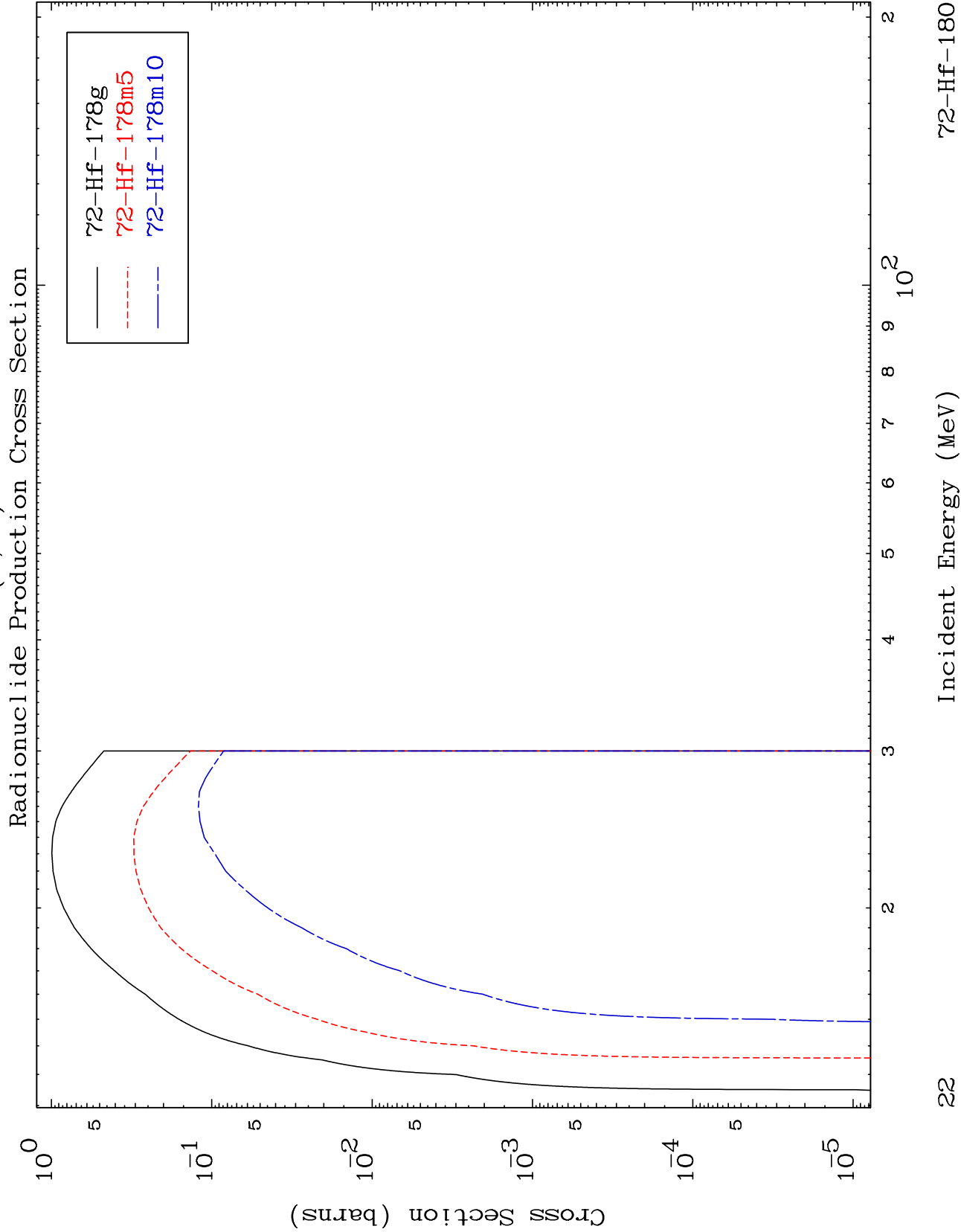
(n,2n)
Radionuclide Production Cross Section



72-Hf-180

Incident Energy (MeV)

21

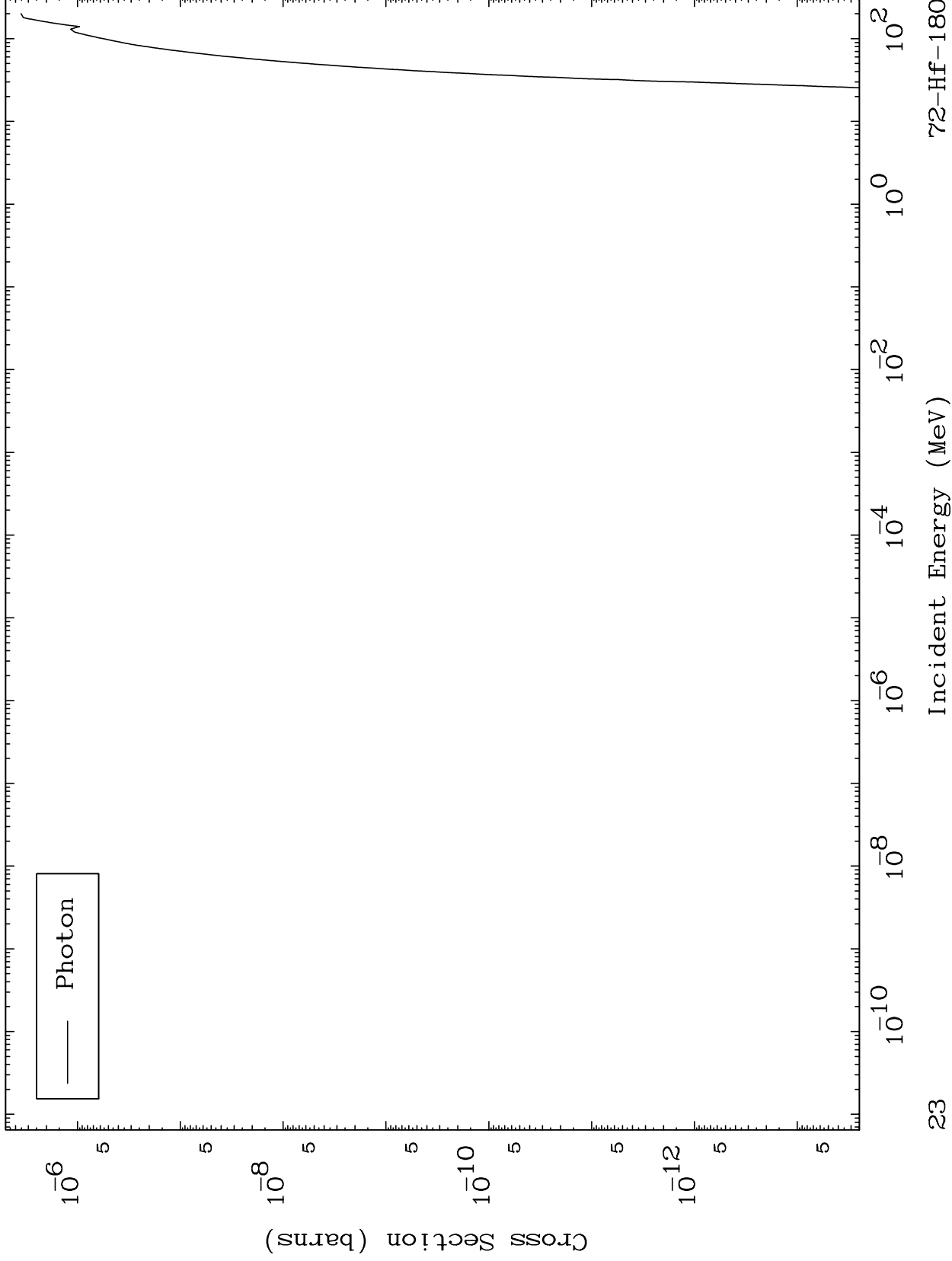


MAT 7244

Fission

72-Hf-180

Radionuclide Production Cross Section

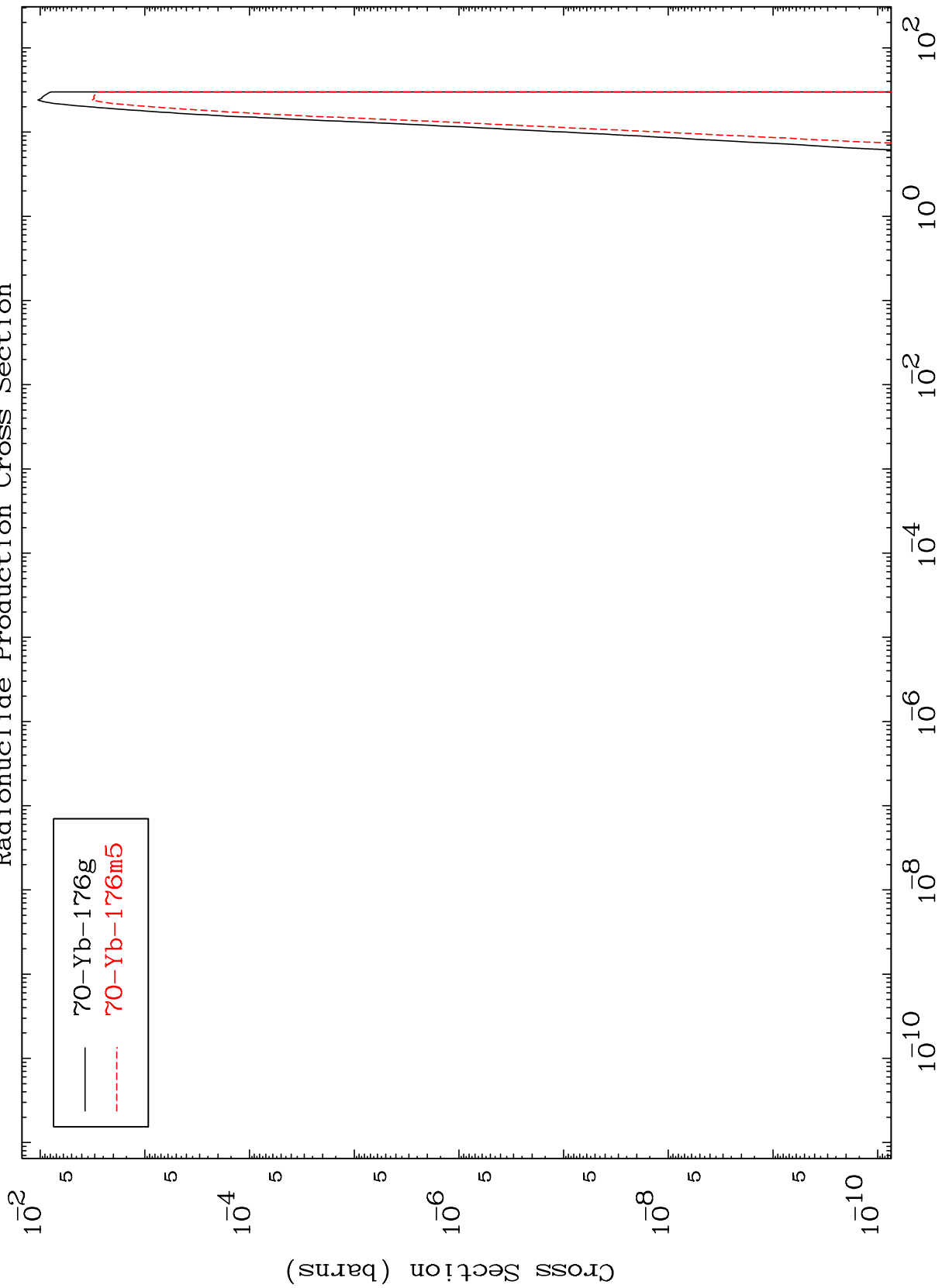


MAT 7244

$(n, n') \alpha$

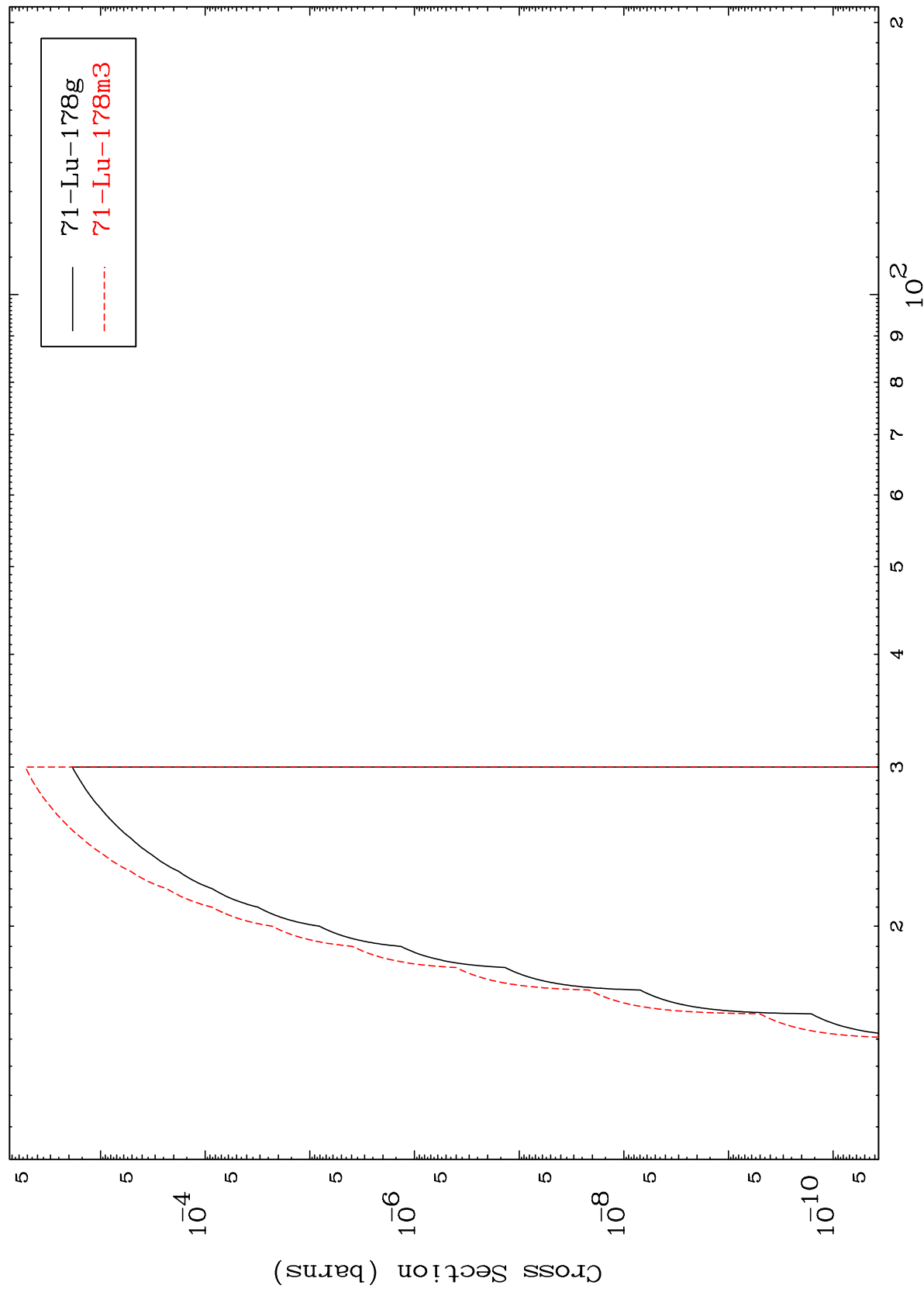
72-Hf-180

Radionuclide Production Cross Section



— 70-Yb-176g
- - - 70-Yb-176m5

Radionuclide Production Cross Section



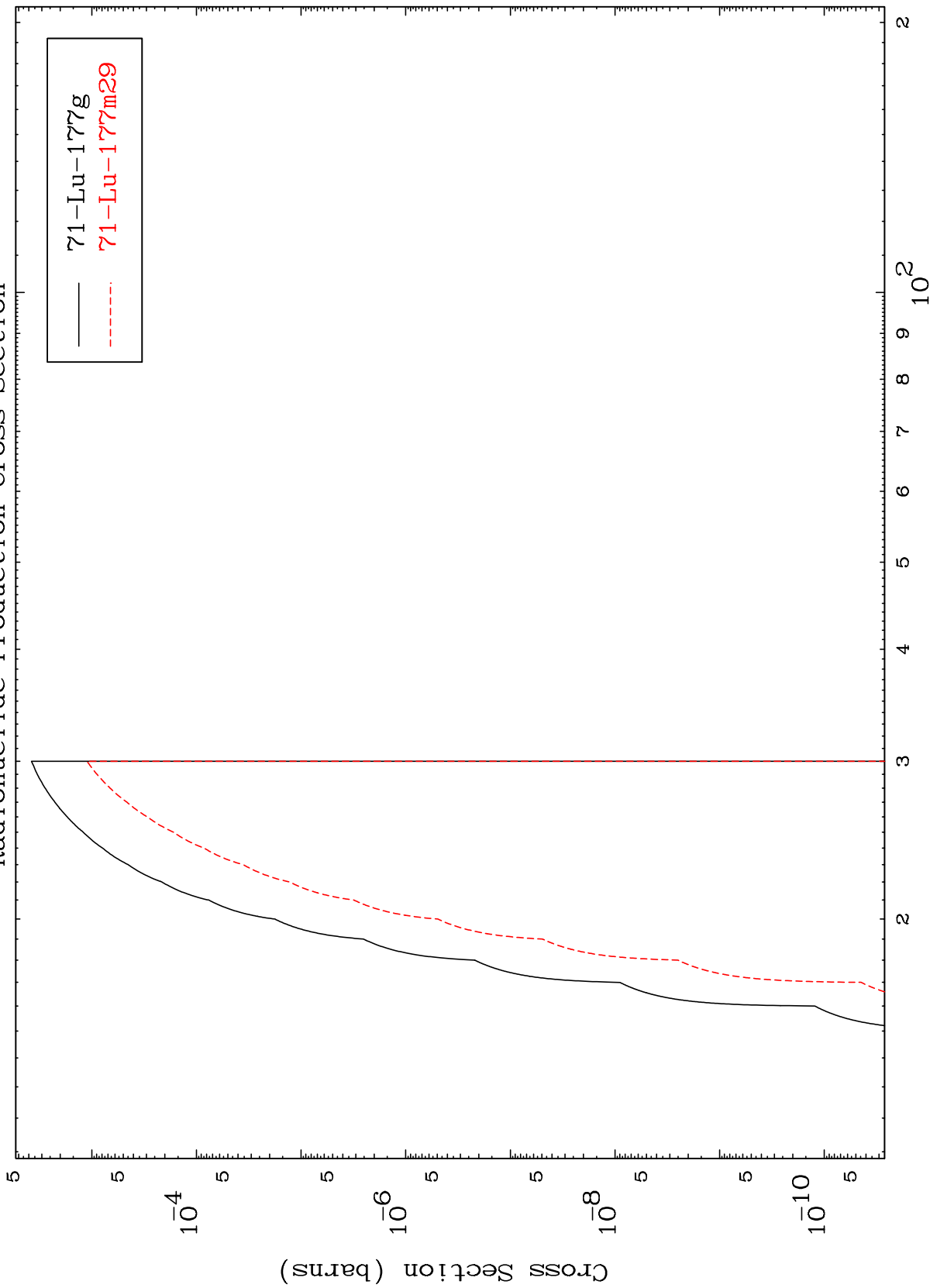
71-Lu-178g
71-Lu-178m3

MAT 7244

(n,n') t

72-Hf-180

Radionuclide Production Cross Section



Incident Energy (MeV)

72-Hf-180

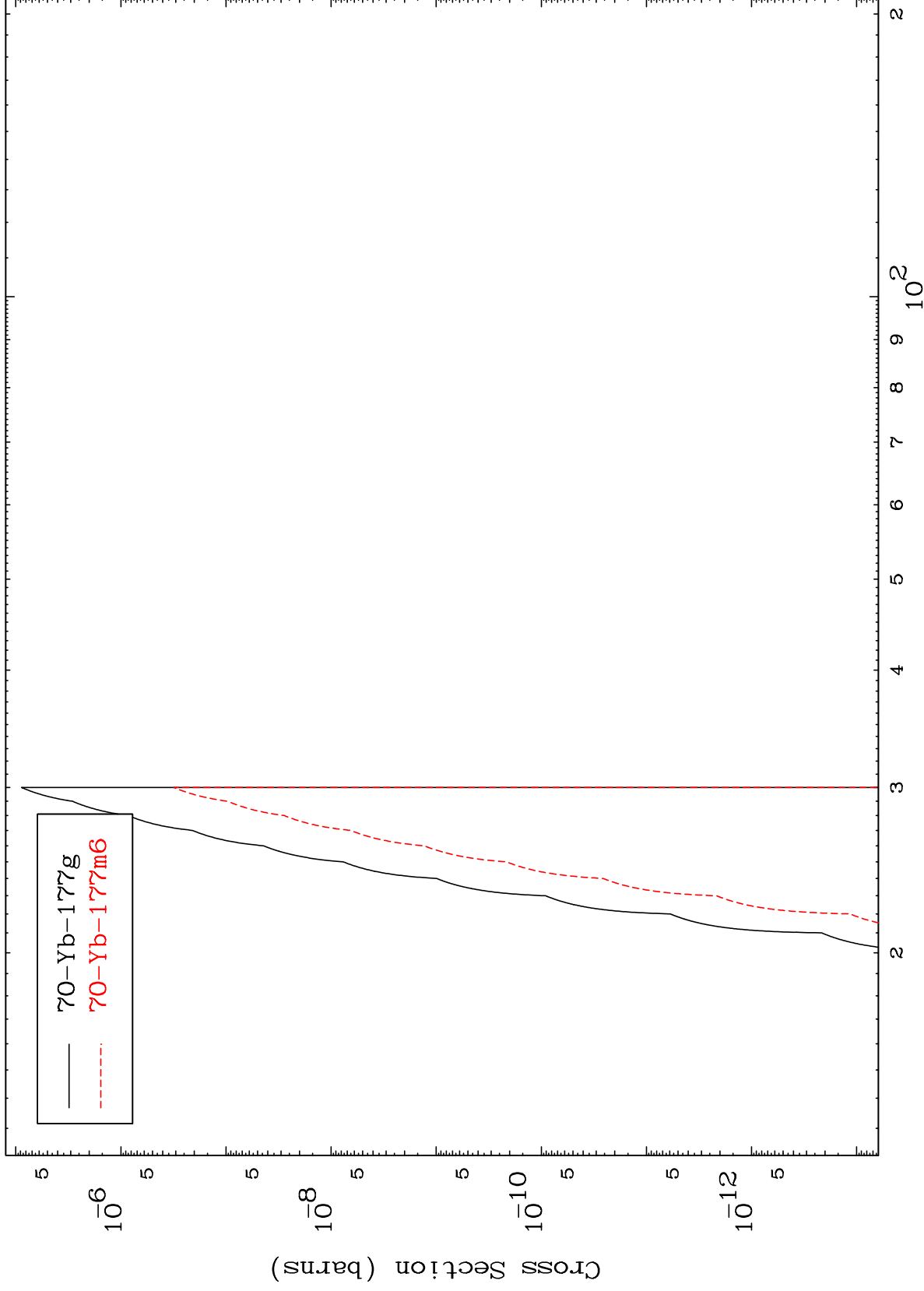
26

MAT 7244

(n,n') He-3

72-Hf-180

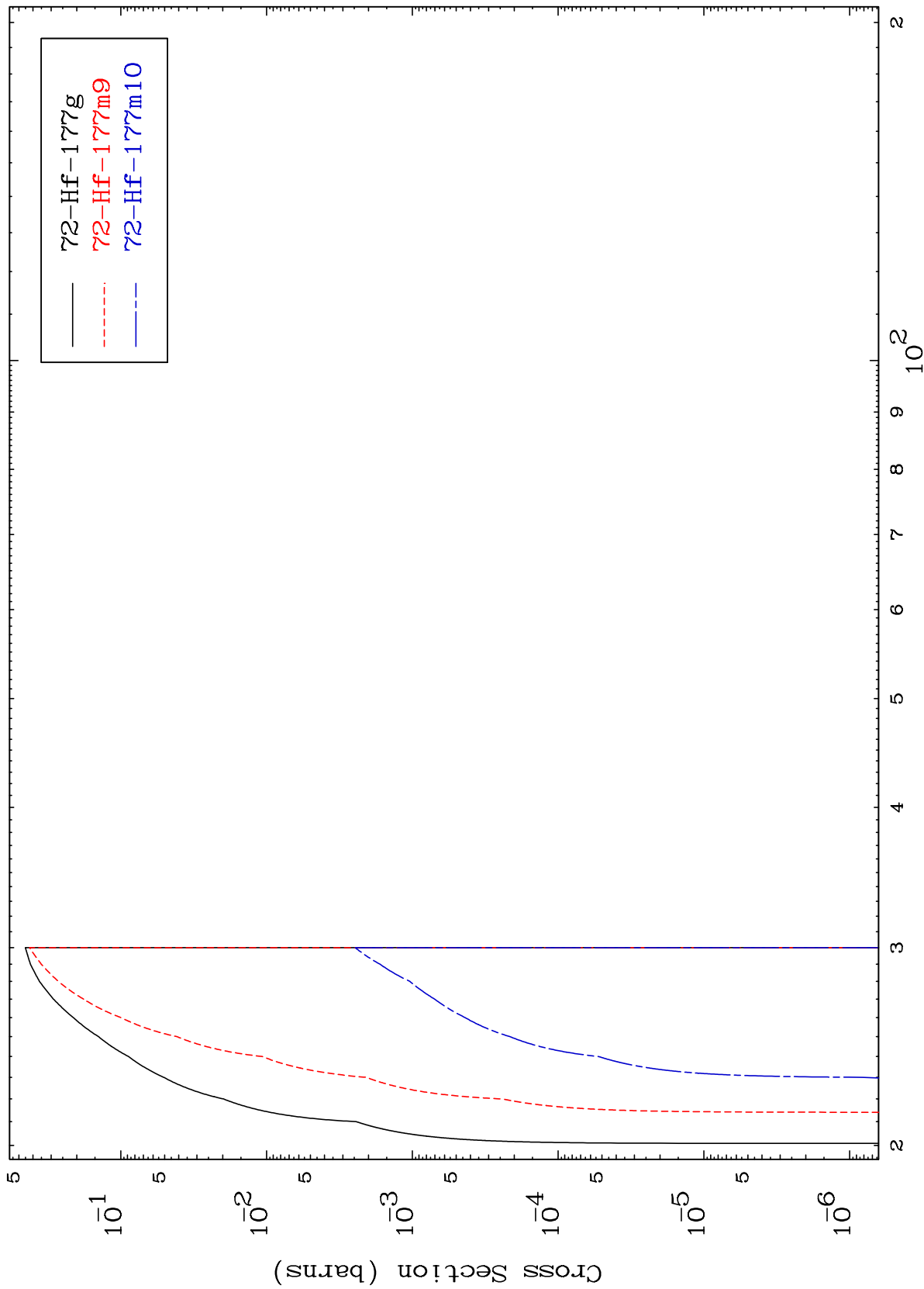
Radionuclide Production Cross Section



MAT 7244

72-Hf-180

(n,4n)
Radionuclide Production Cross Section

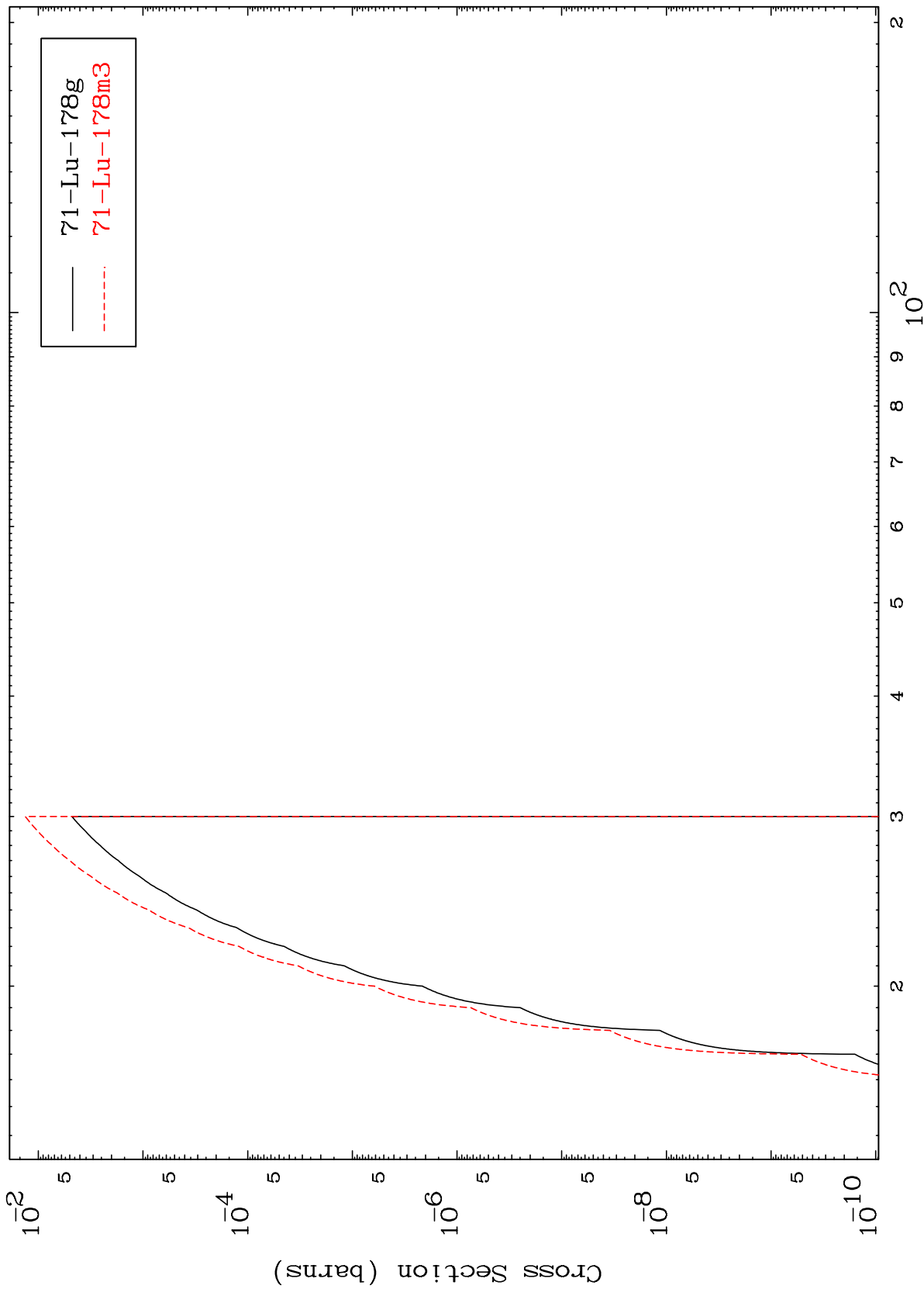


28

Incident Energy (MeV)

72-Hf-180

Radionuclide Production Cross Section



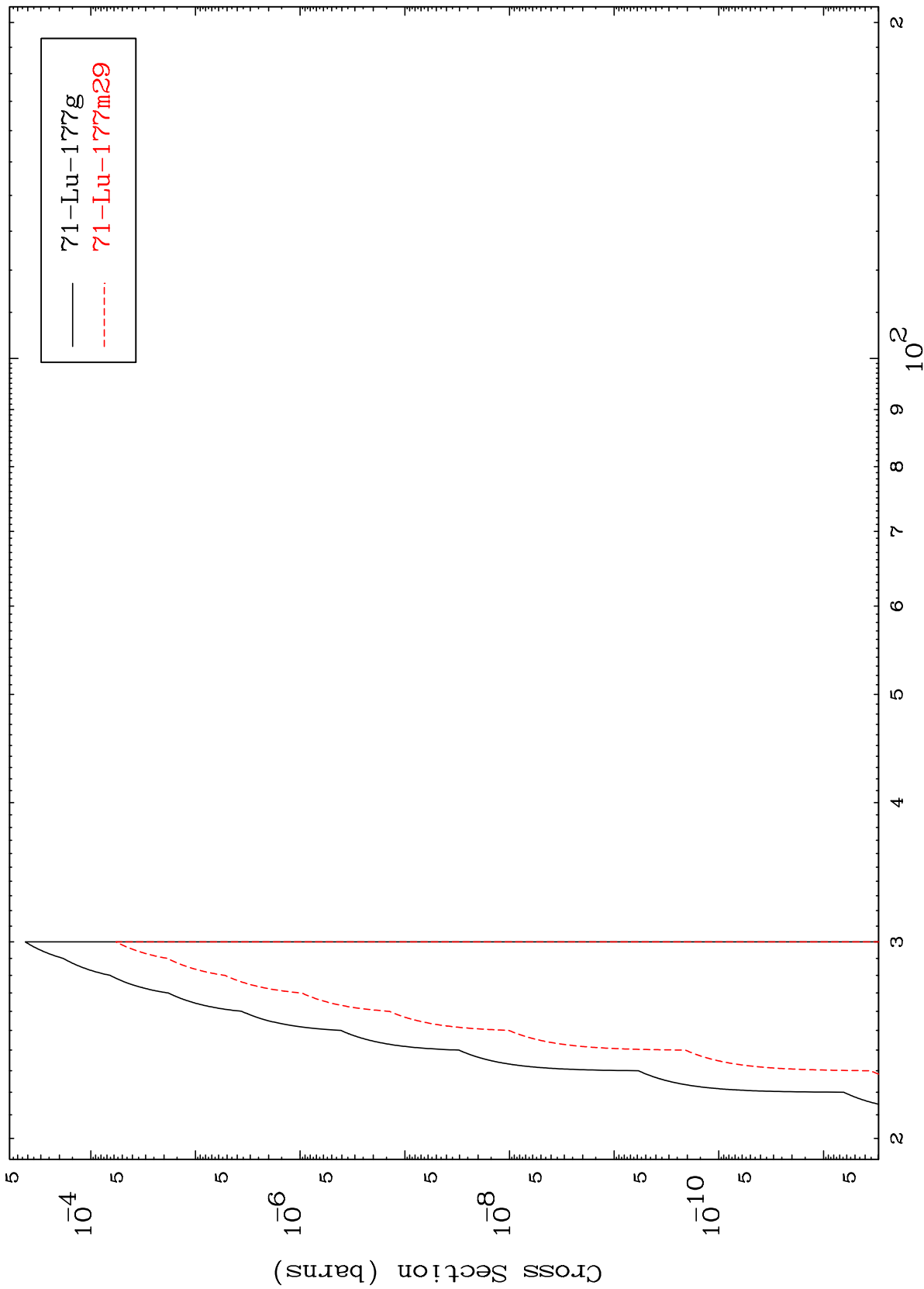
71-Lu-178g
71-Lu-178m3

MAT 7244

(n,3n) p

72-Hf-180

Radionuclide Production Cross Section



30

Incident Energy (MeV)

72-Hf-180

(n, t)
Radionuclide Production Cross Section

