

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

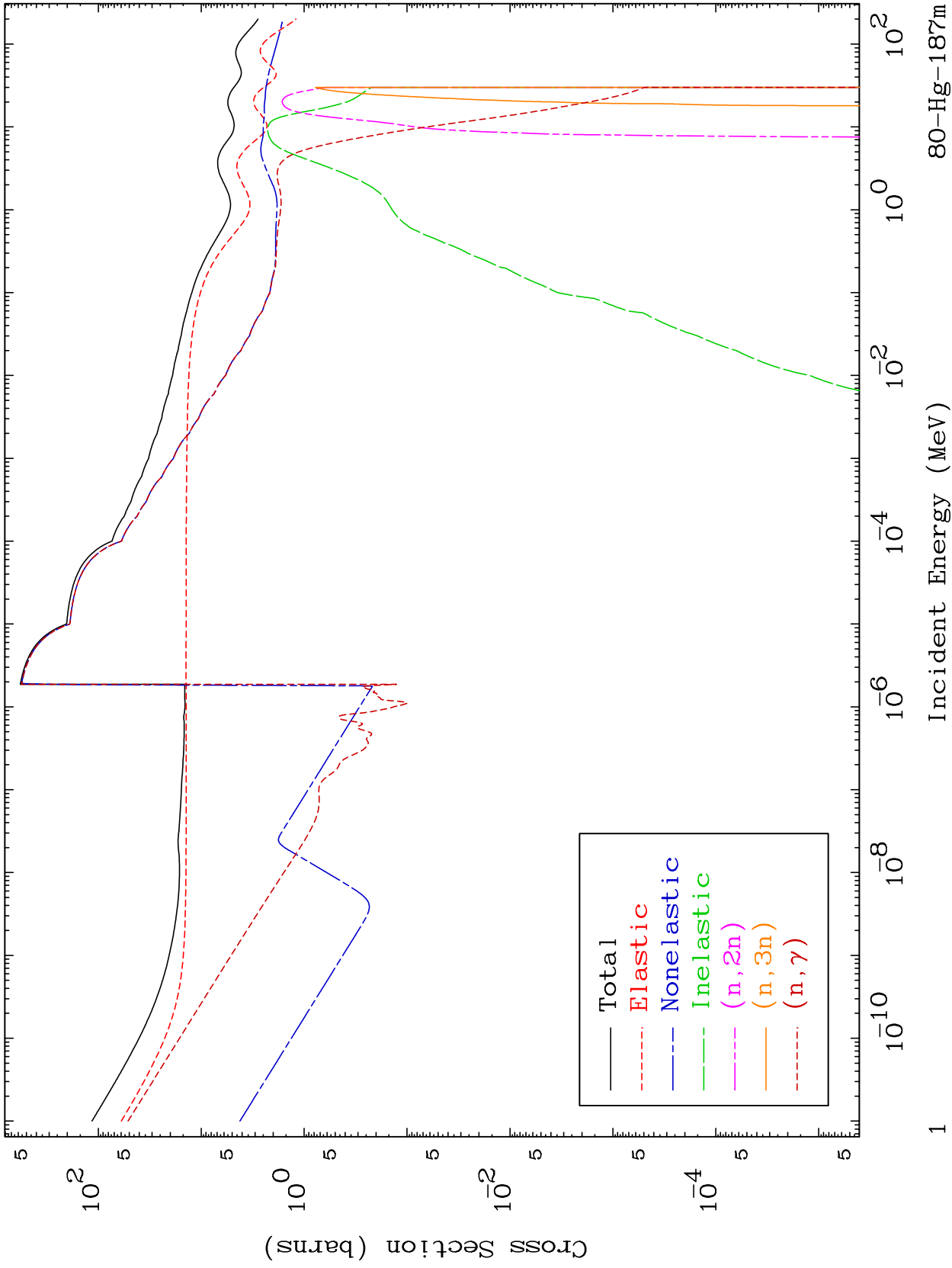
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7999

Neutron Major
293 Kelvin Cross Sections

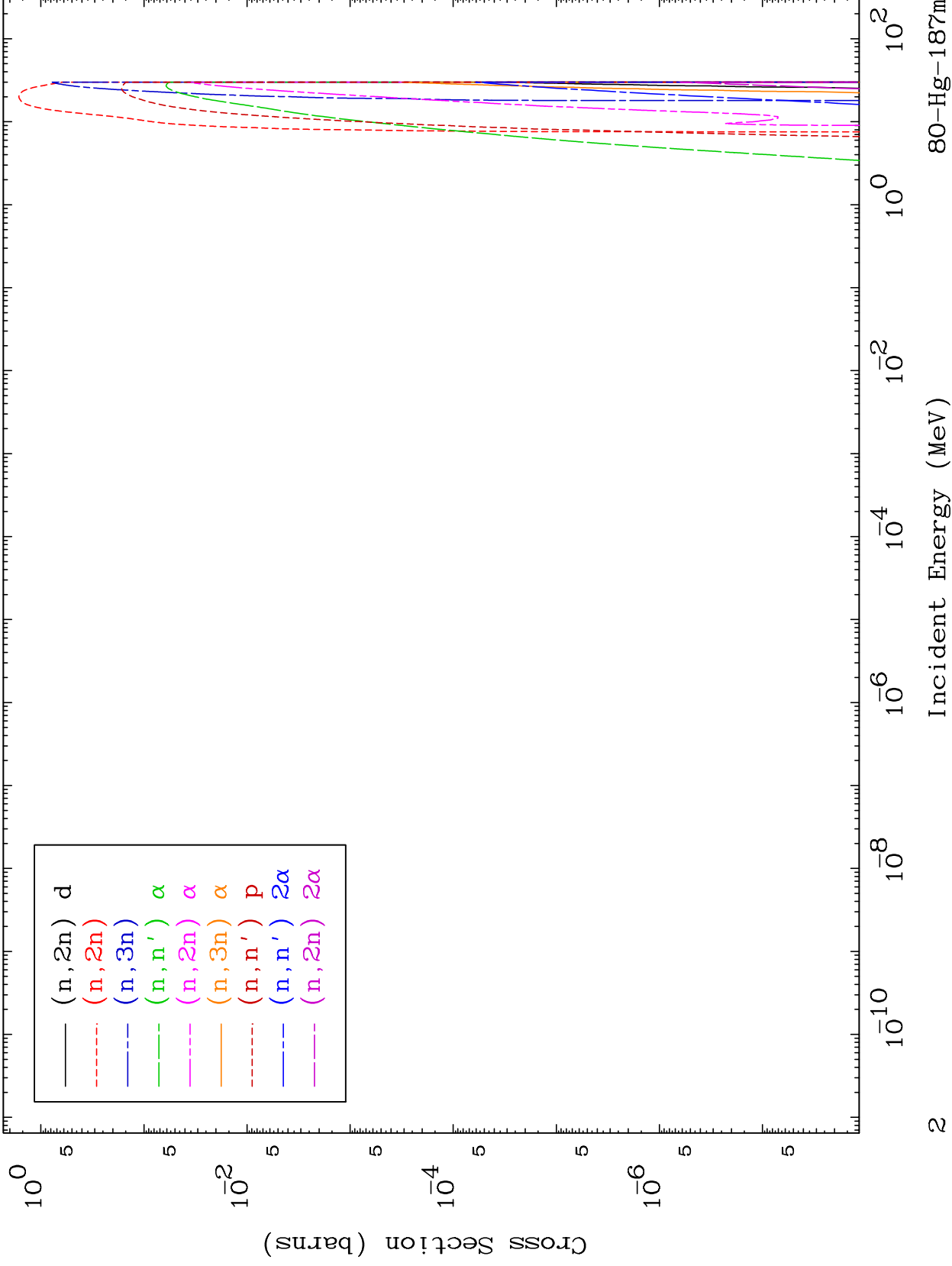
80-Hg-187m



MAT 7999

Neutron Absorption
293 Kelvin Cross Sections

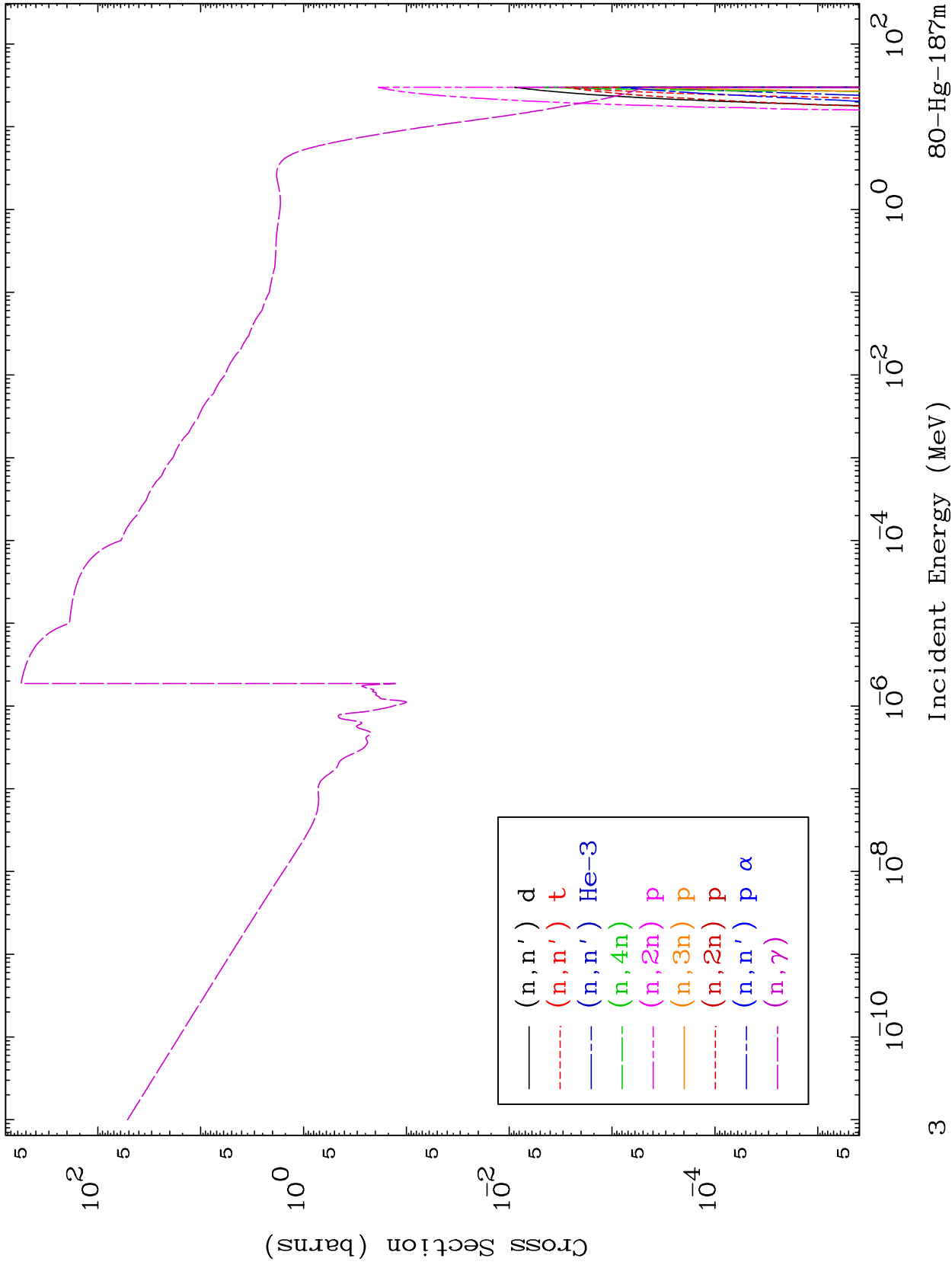
80-Hg-187m



MAT 7999

Neutron Absorption
293 Kelvin Cross Sections

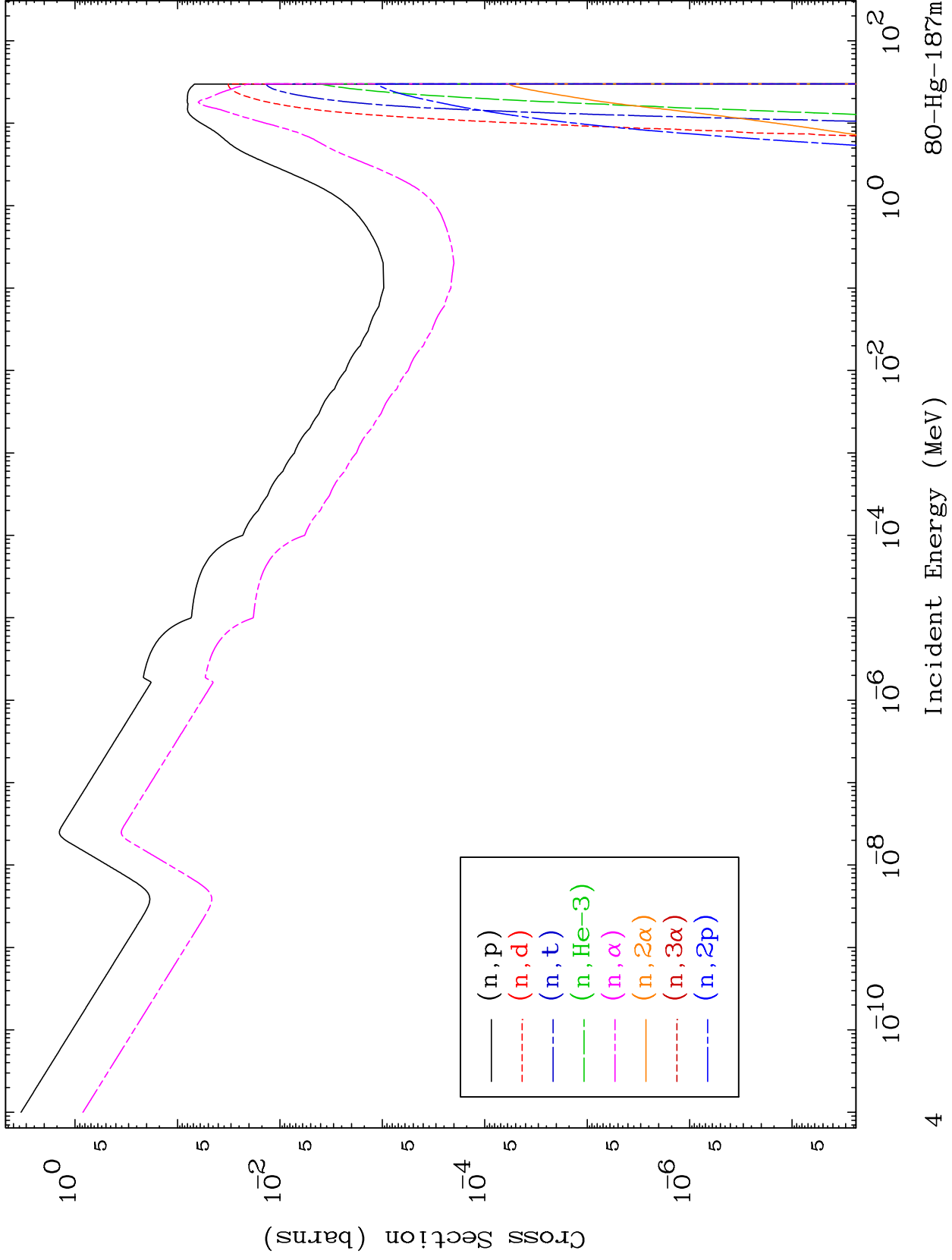
80-Hg-187m



MAT 7999

Neutron Absorption
293 Kelvin Cross Sections

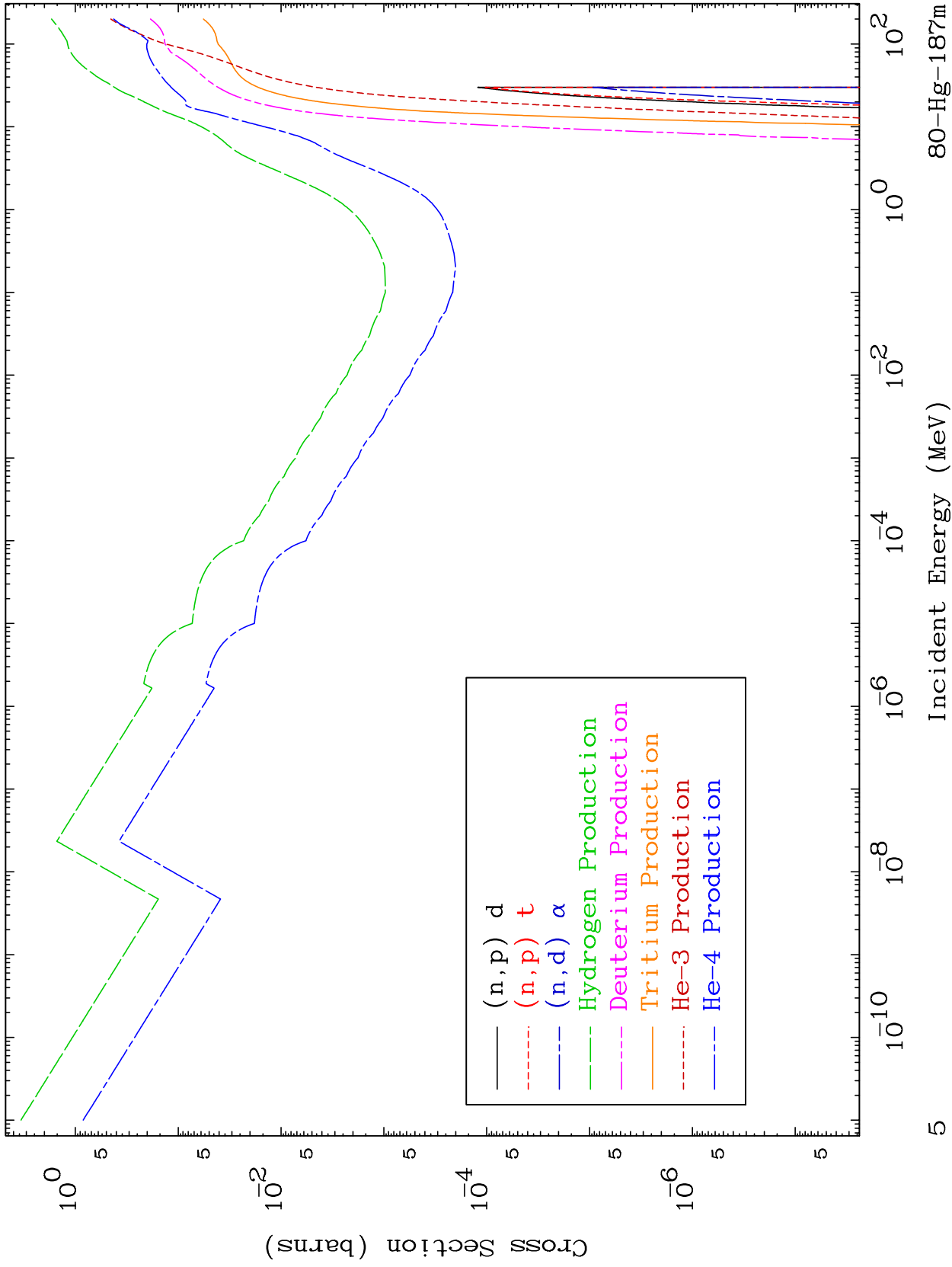
80-Hg-187m



MAT 7999

Neutron Absorption
293 Kelvin Cross Sections

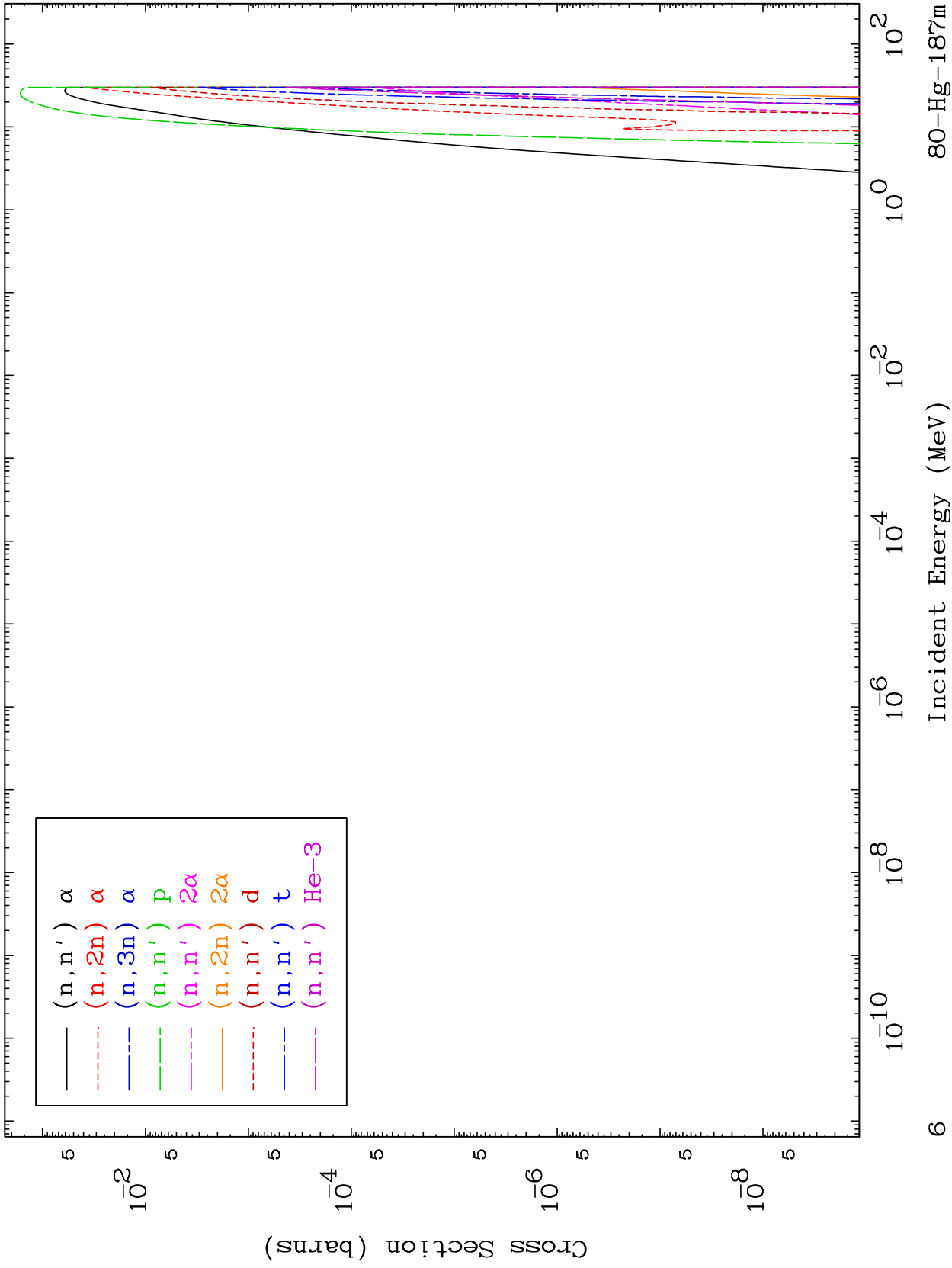
80-Hg-187m



MAT 7999

Charged Particle
293 Kelvin Cross Sections

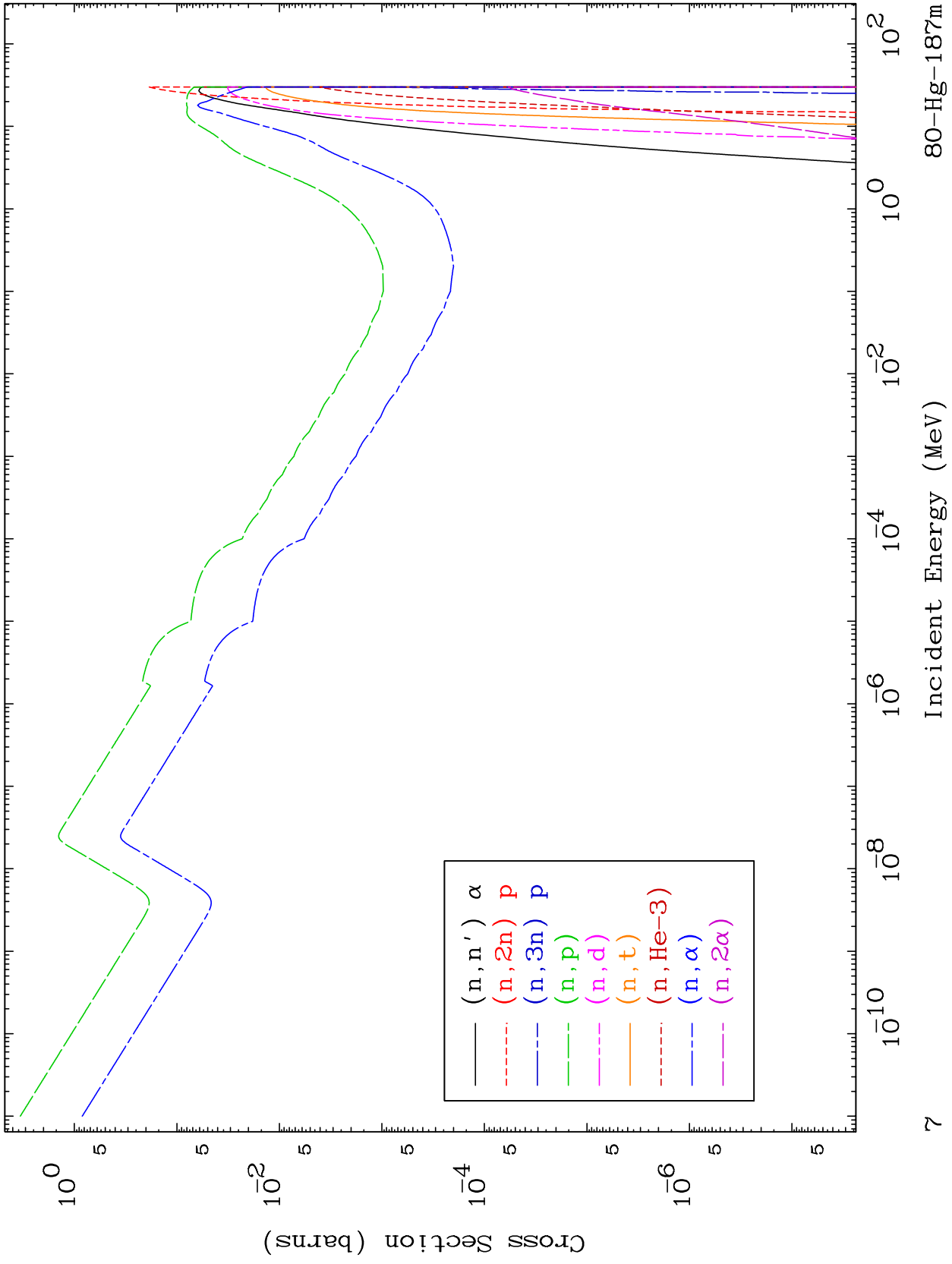
80-Hg-187m



MAT 7999

Charged Particle
293 Kelvin Cross Sections

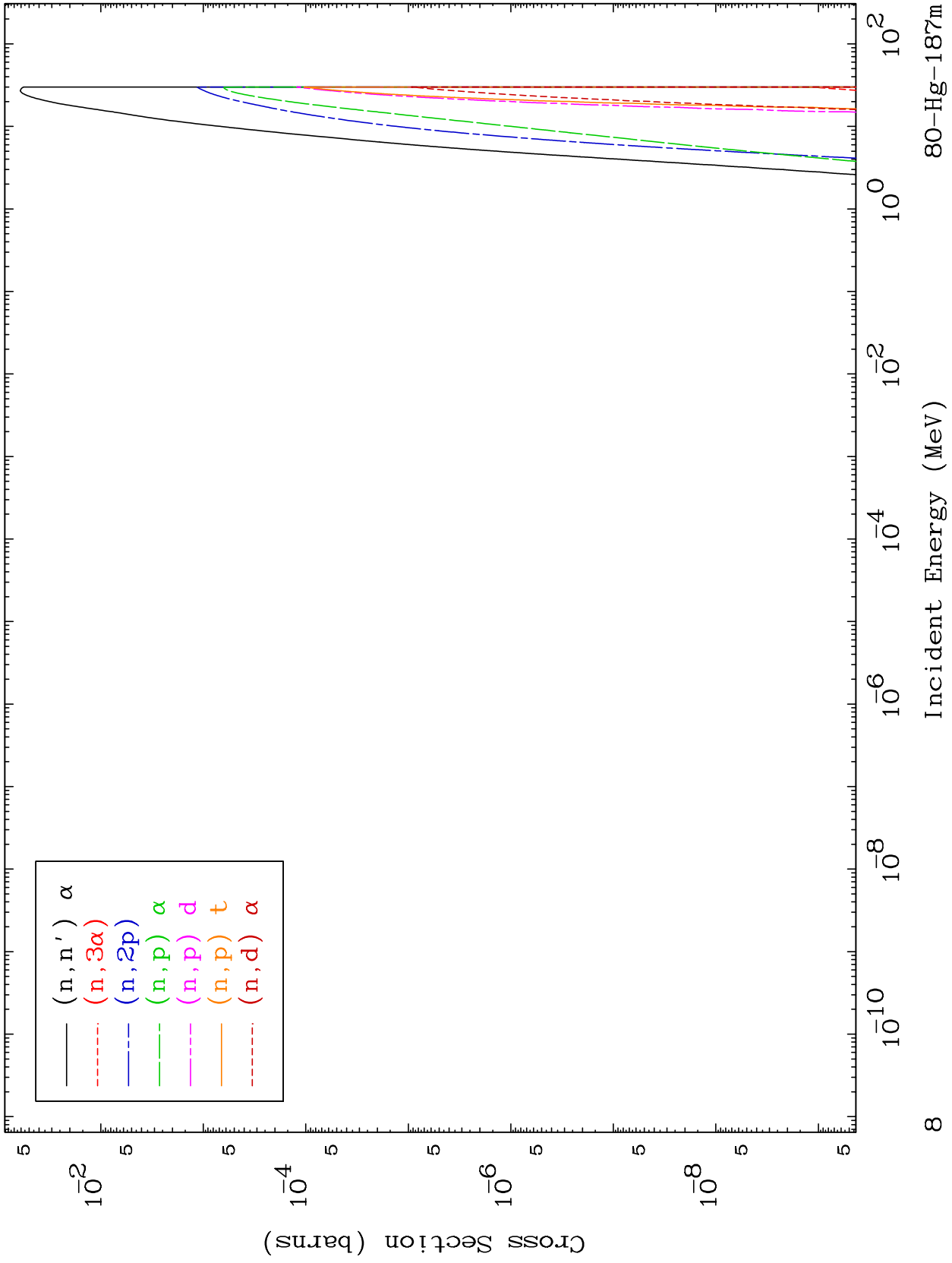
80-Hg-187m



MAT 7999

Charged Particle
293 Kelvin Cross Sections

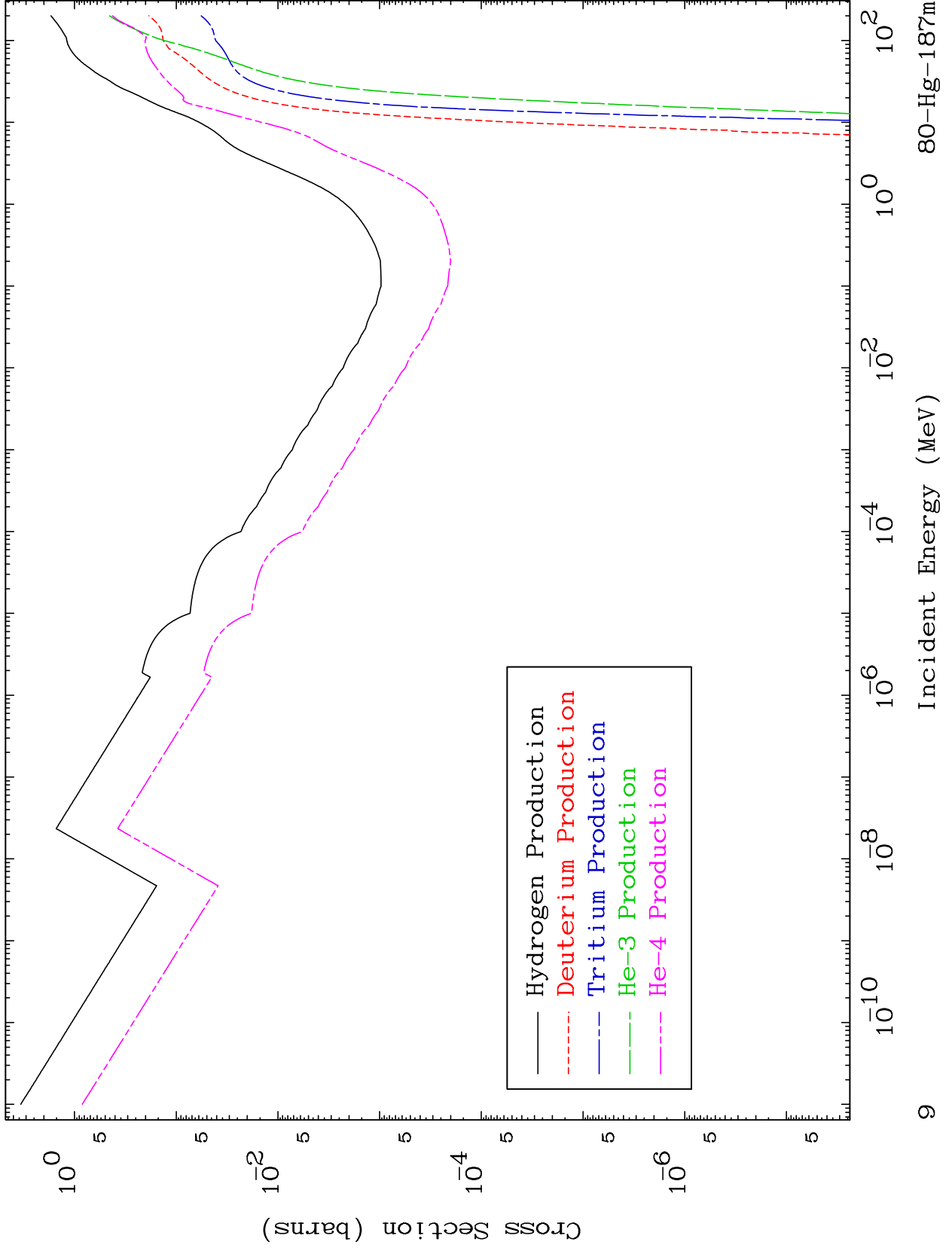
80-Hg-187m



MAT 7999

Particle Production
293 Kelvin Cross Sections

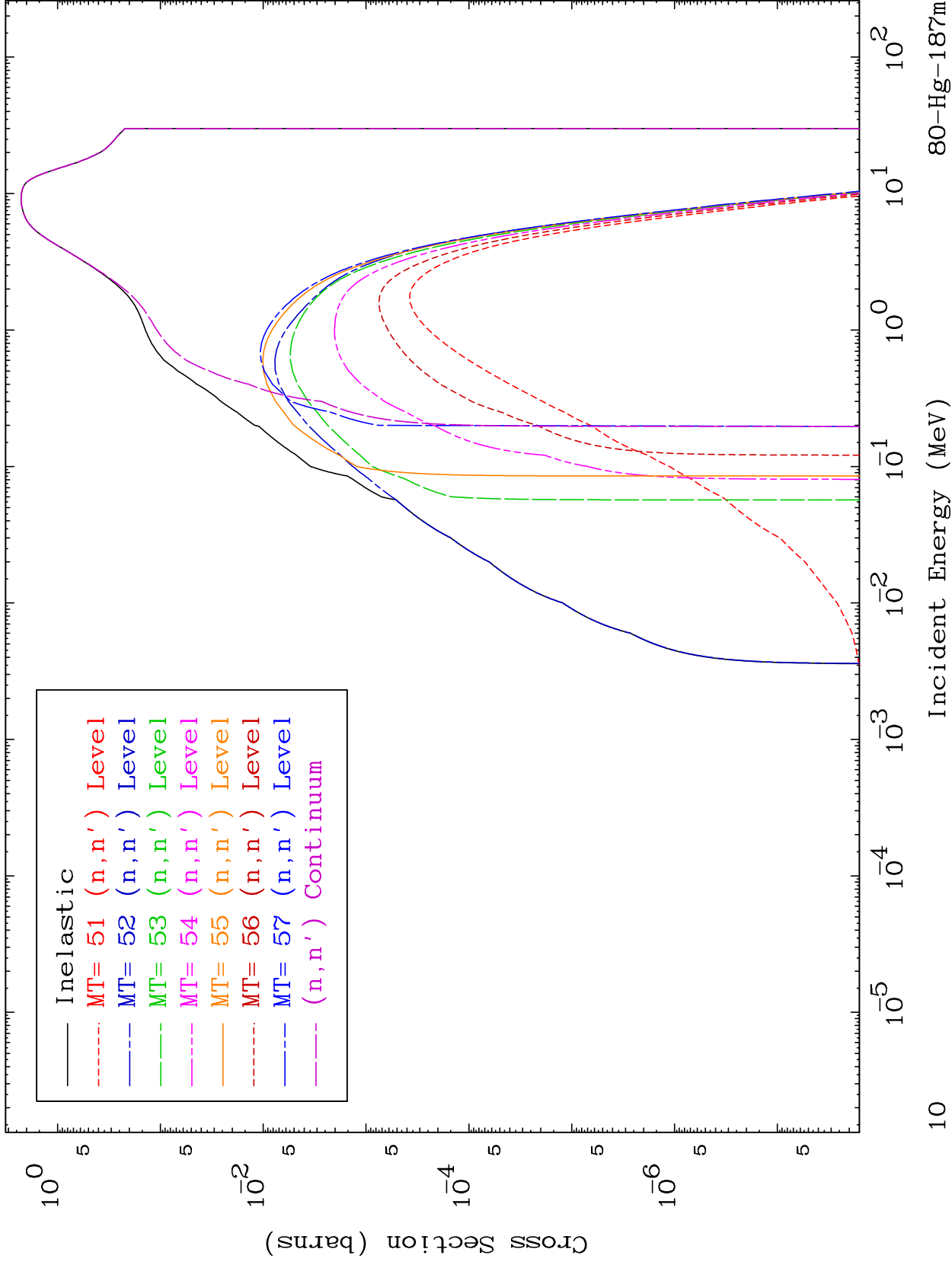
80-Hg-187m



MAT 7999

(n,n') Levels
293 Kelvin Cross Sections

80-Hg-187m

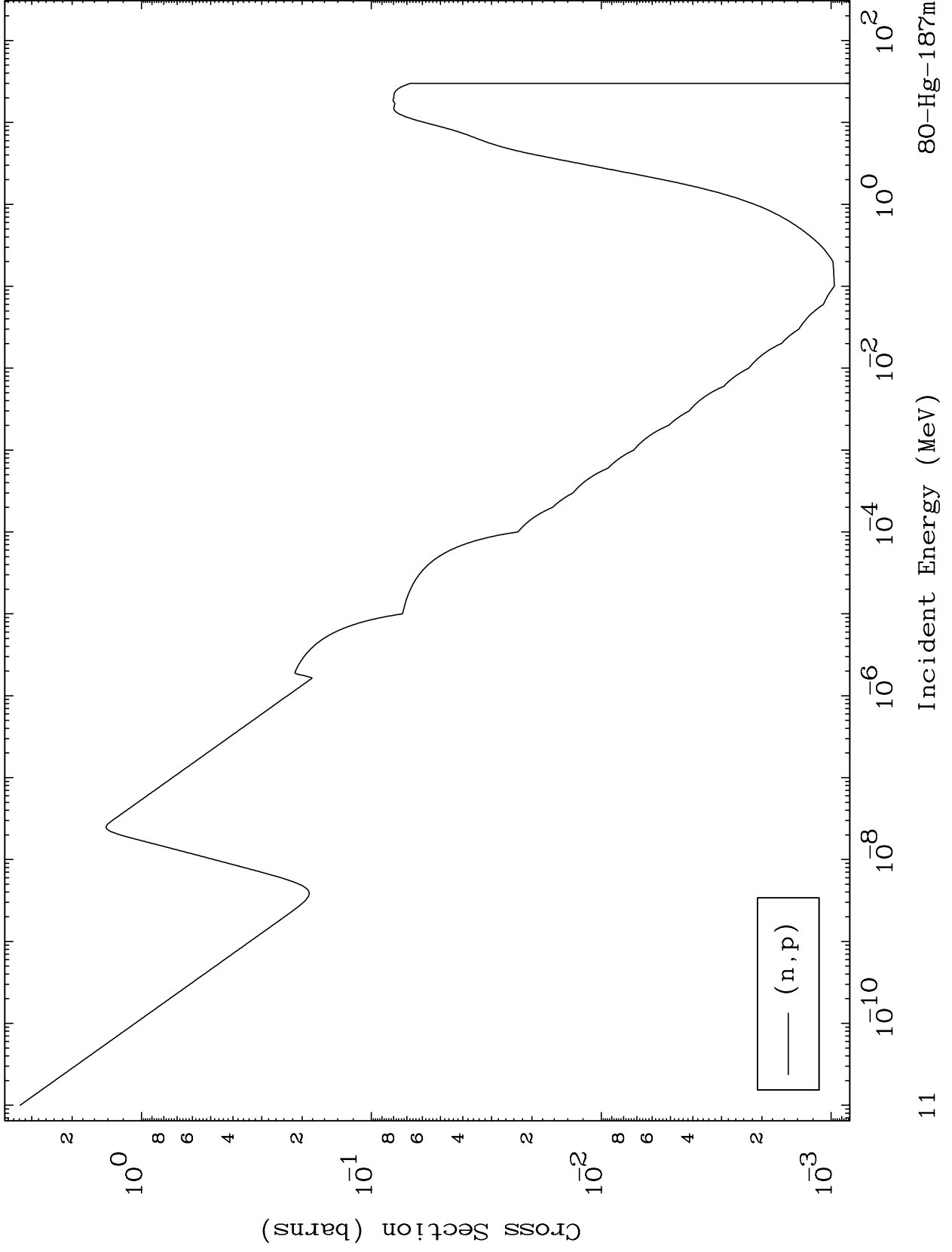


10

MAT 7999

(n,p) Levels
293 Kelvin Cross Sections

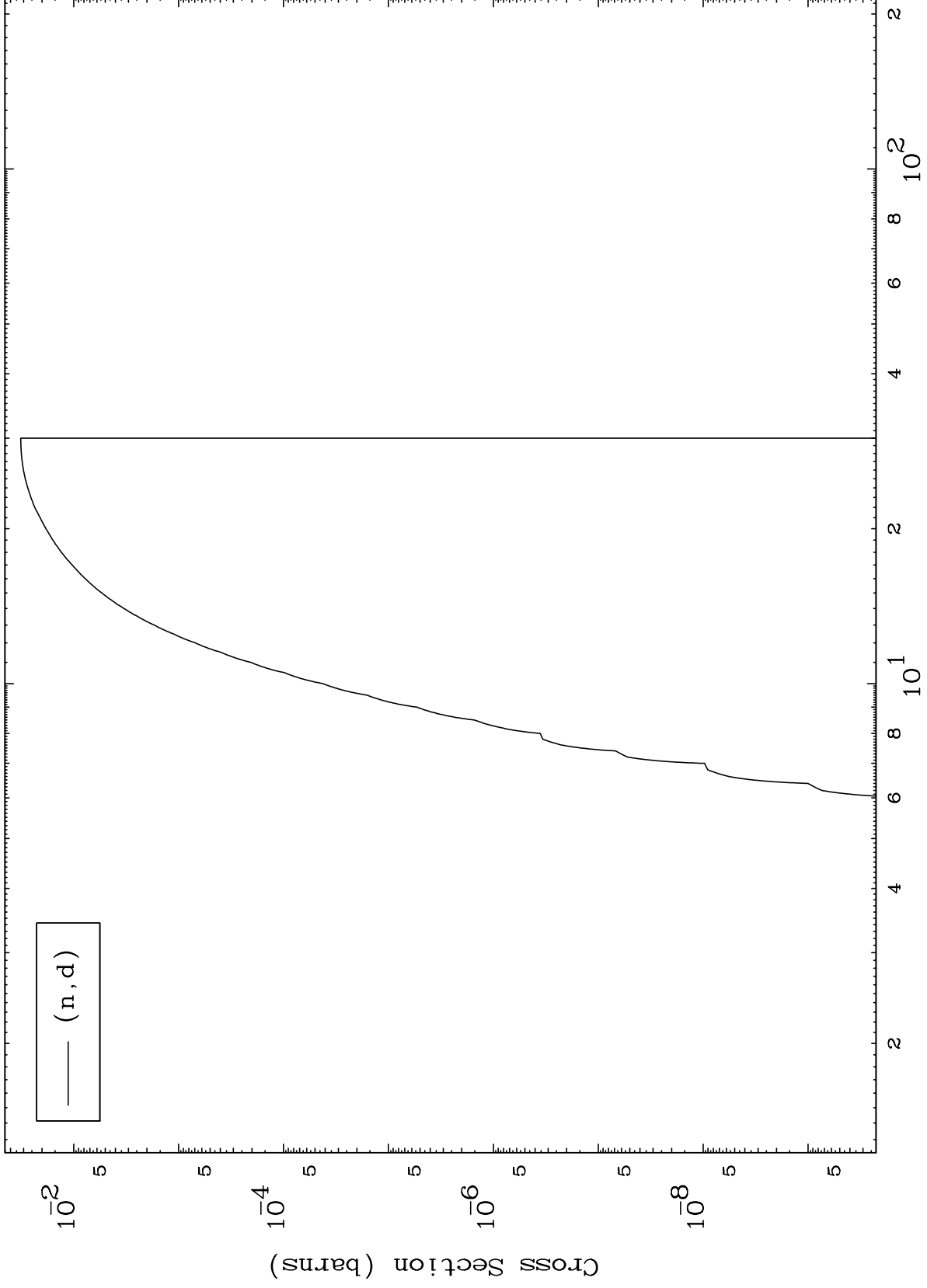
80-Hg-187m



MAT 7999

(n,d) Levels
293 Kelvin Cross Sections

80-Hg-187m



12

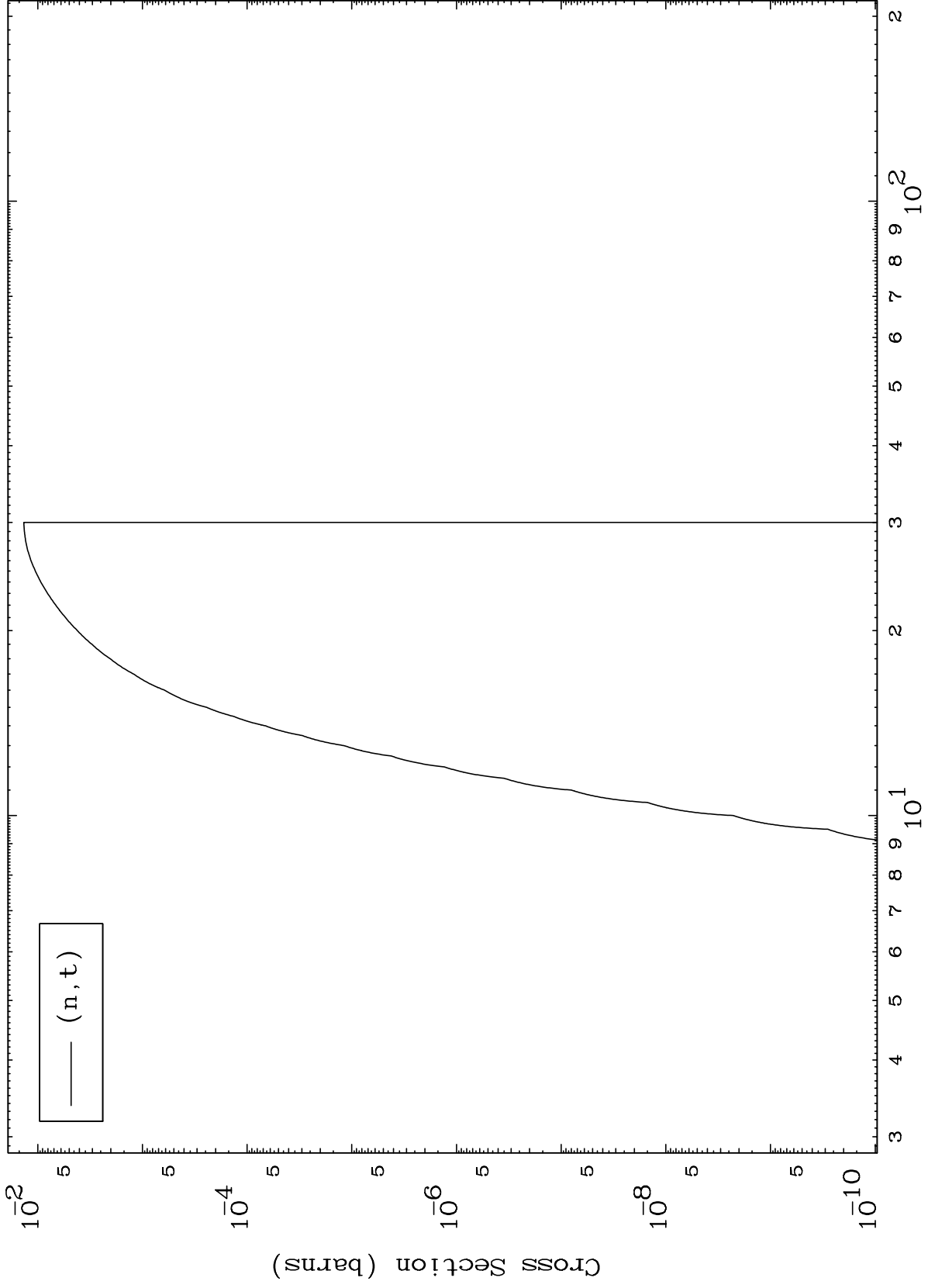
Incident Energy (MeV)

80-Hg-187m

MAT 7999

(n,t) Levels
293 Kelvin Cross Sections

80-Hg-187m



13

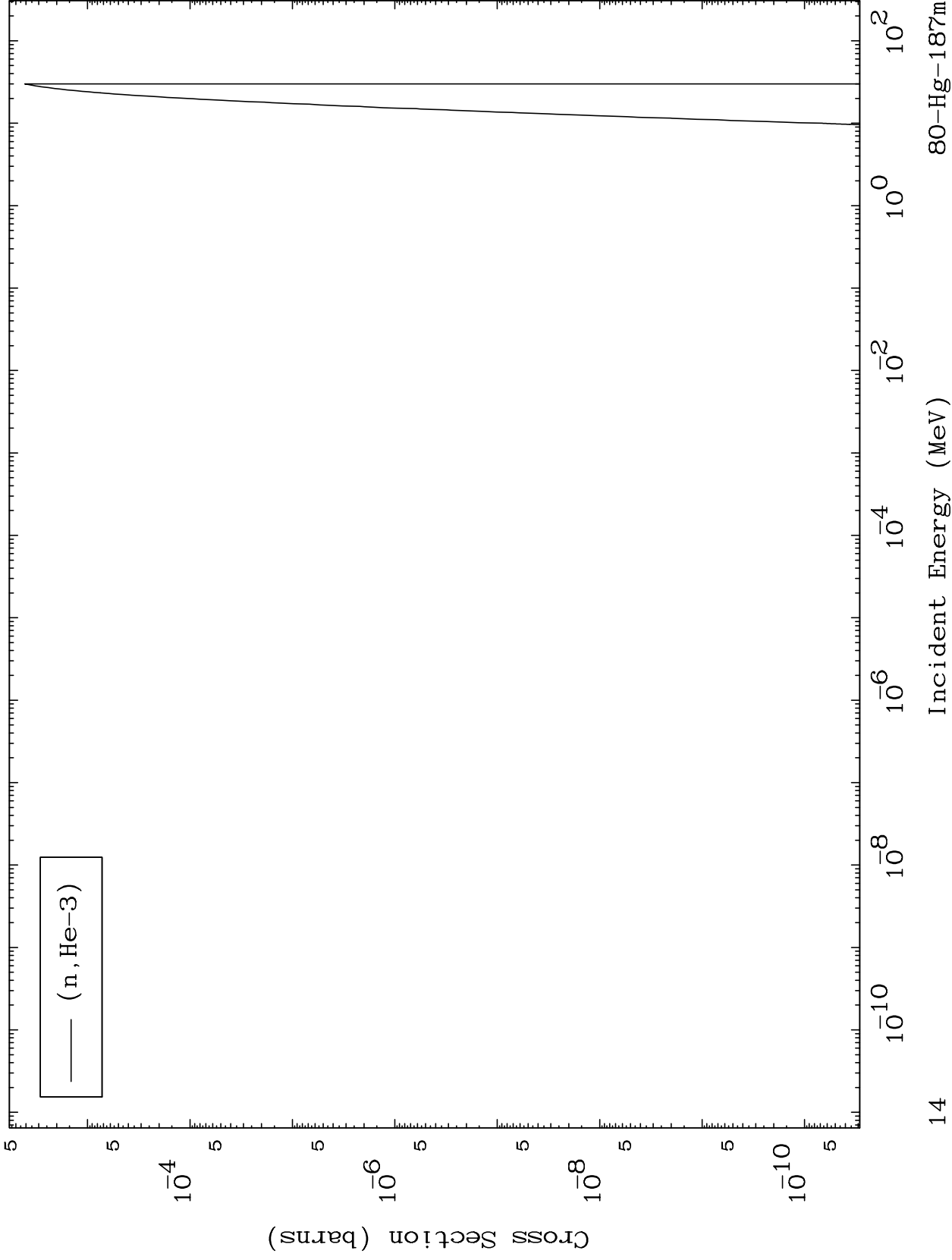
Incident Energy (MeV)

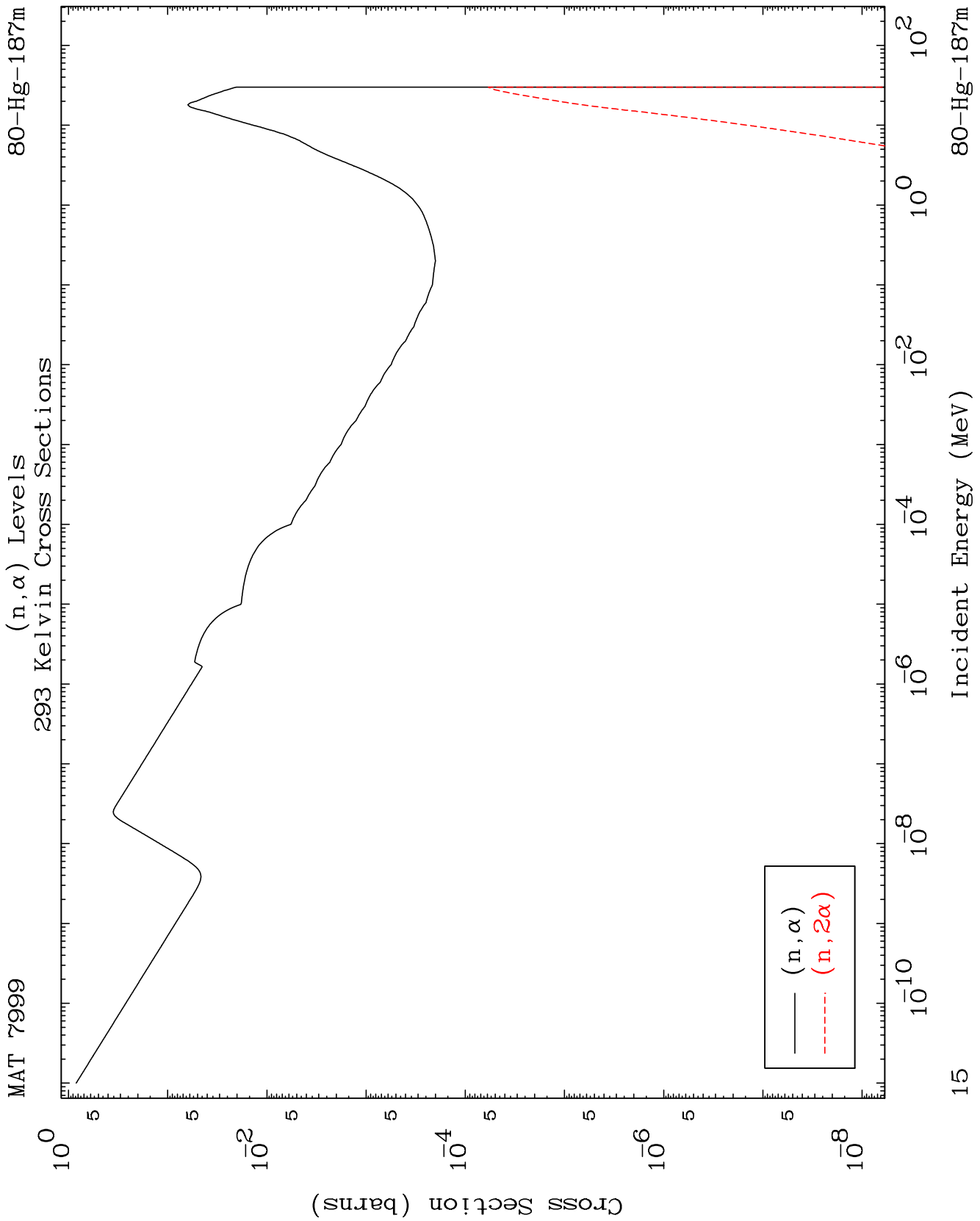
80-Hg-187m

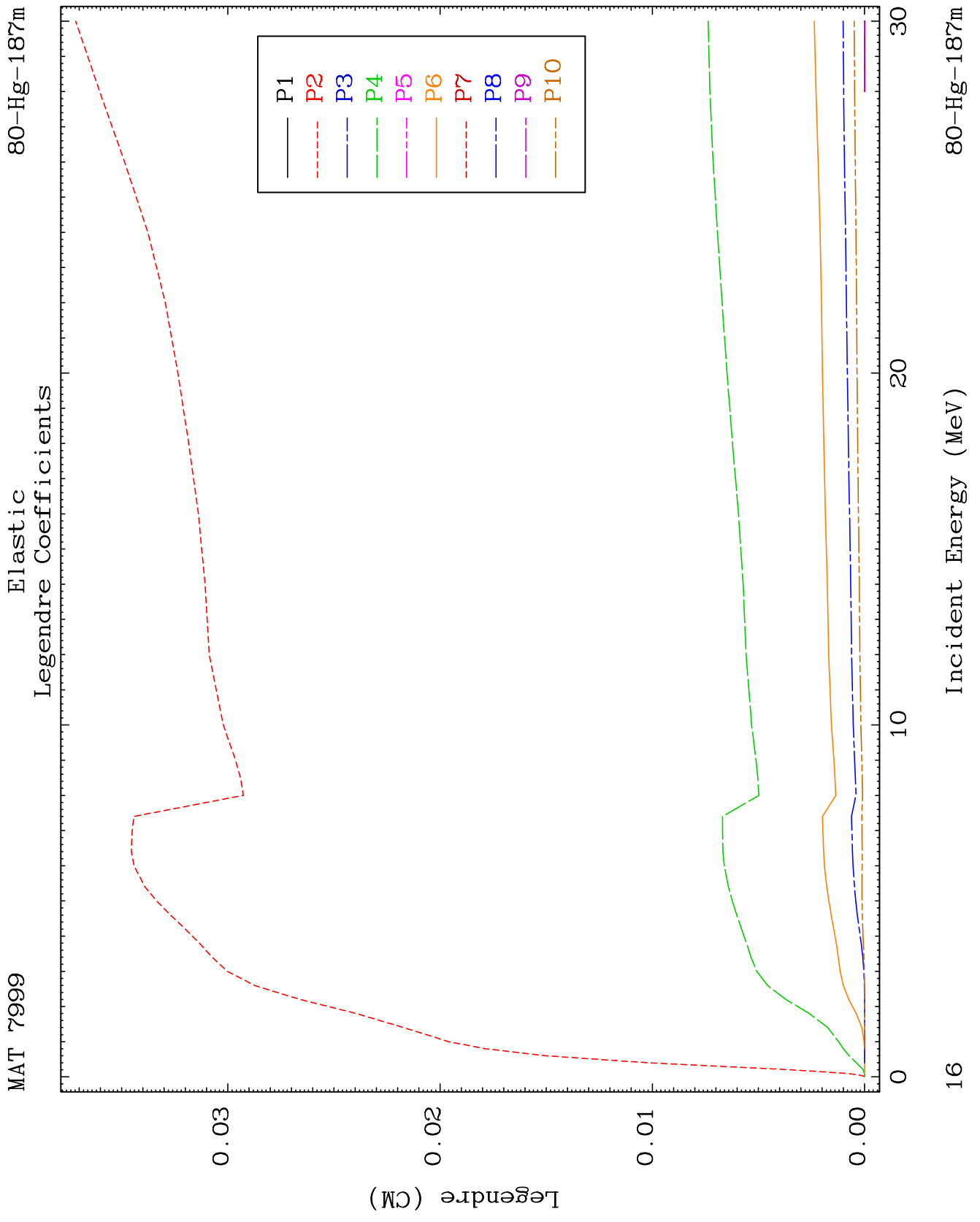
MAT 7999

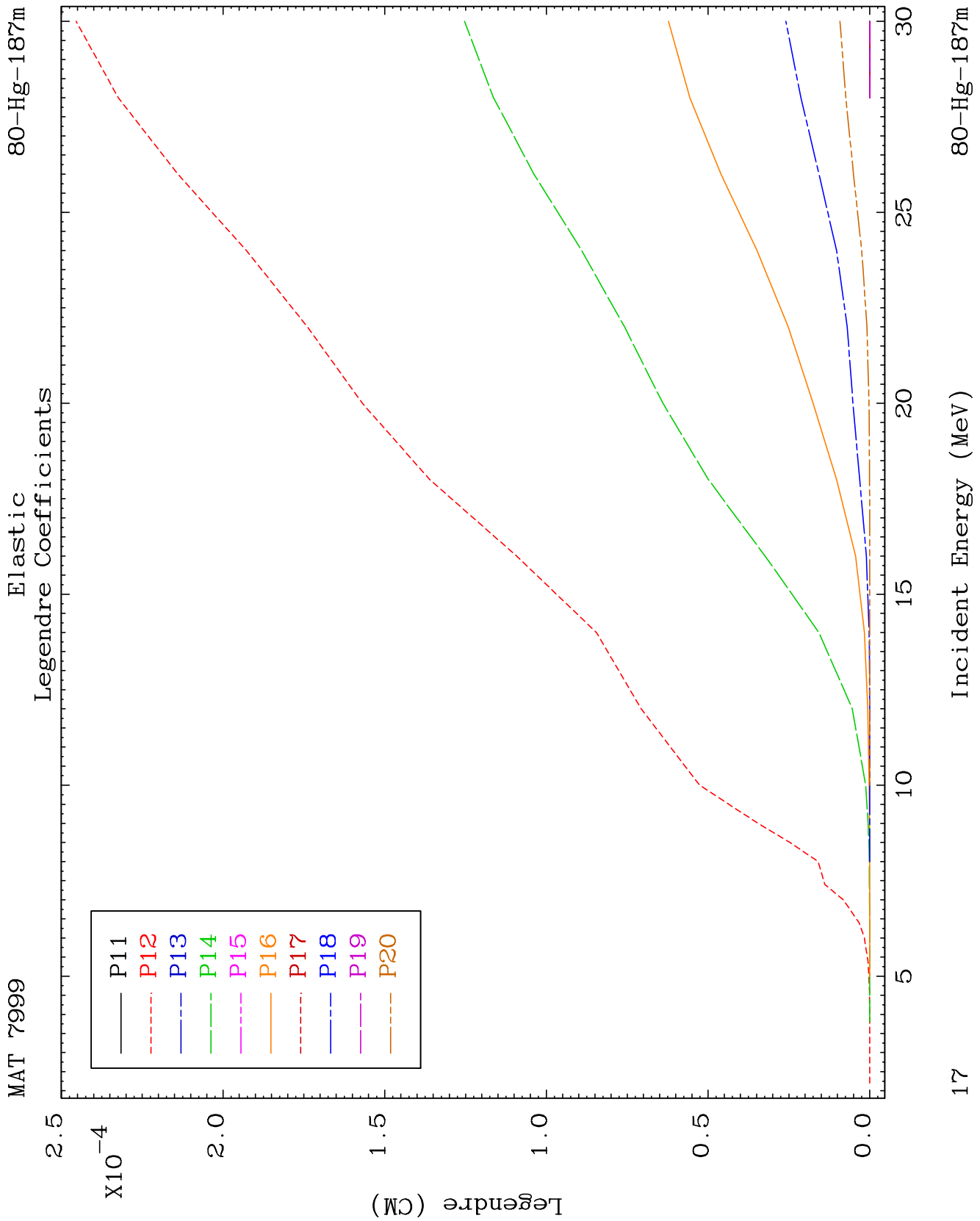
(n,He3) Levels
293 Kelvin Cross Sections

80-Hg-187m





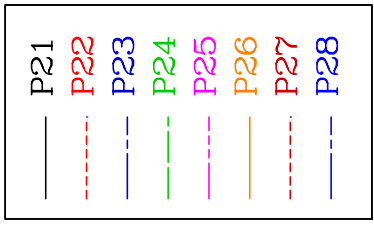




MAT 7999

Elastic Legendre Coefficients

80-Hg-187m



$\times 10^{-6}$
1.0
0.8
0.6
0.4
0.2
0.0

Legendre (CM)

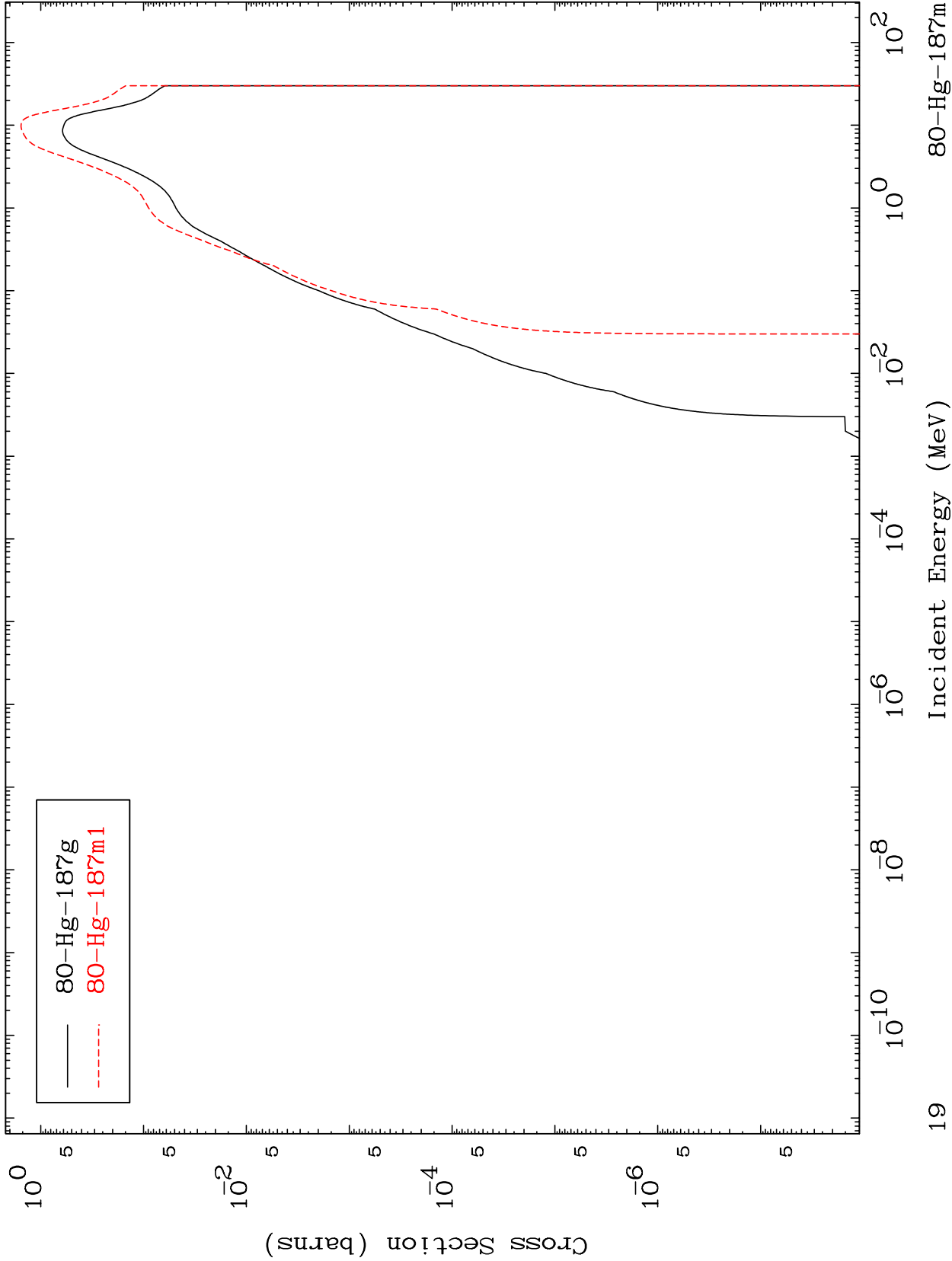
15 20 25 30
Incident Energy (MeV)
80-Hg-187m



MAT 7999

Inelastic
Radionuclide Production Cross Section

80-Hg-187m

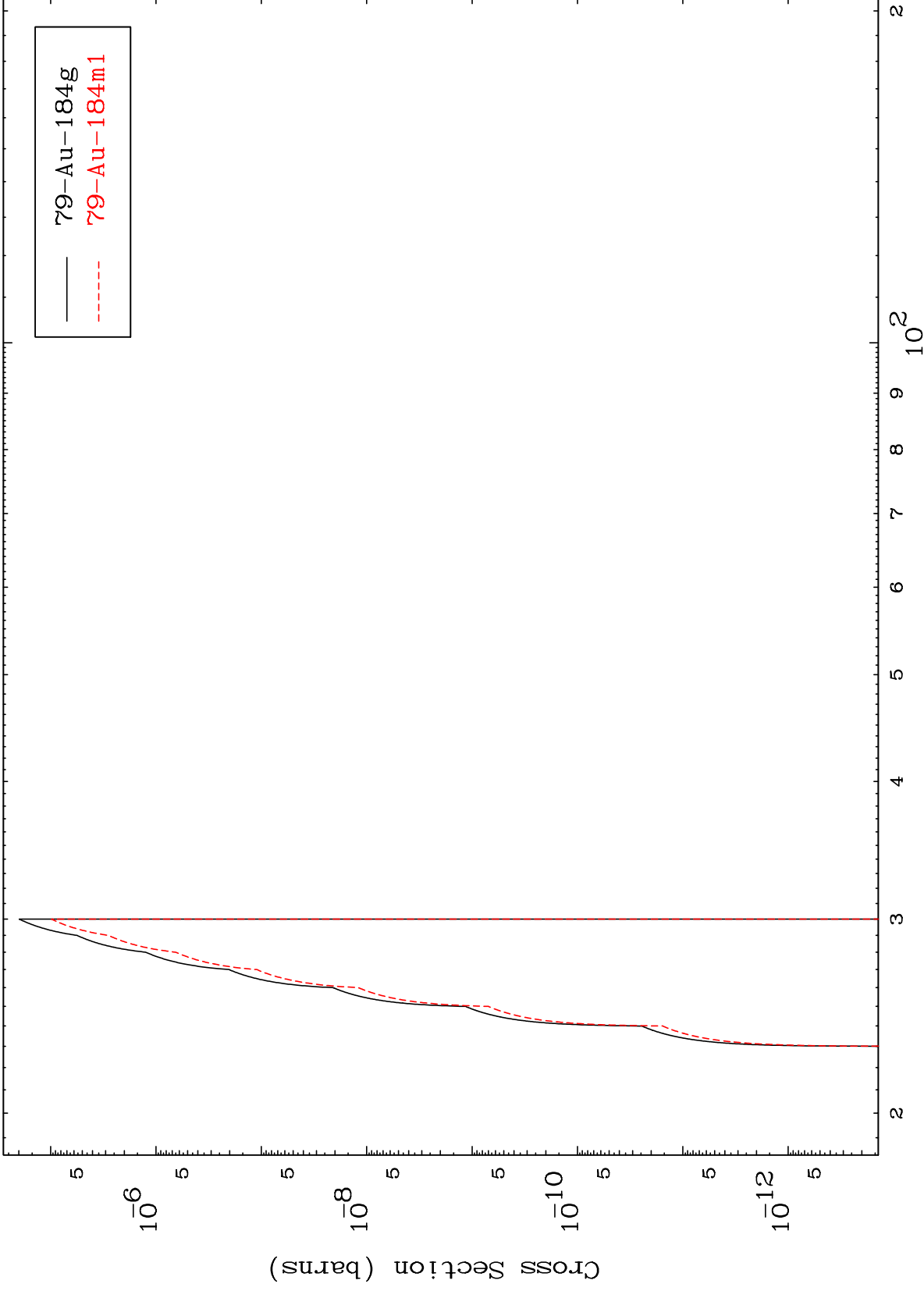


MAT 7999

(n,2n) d

80-Hg-187m

Radionuclide Production Cross Section



20

Incident Energy (MeV)

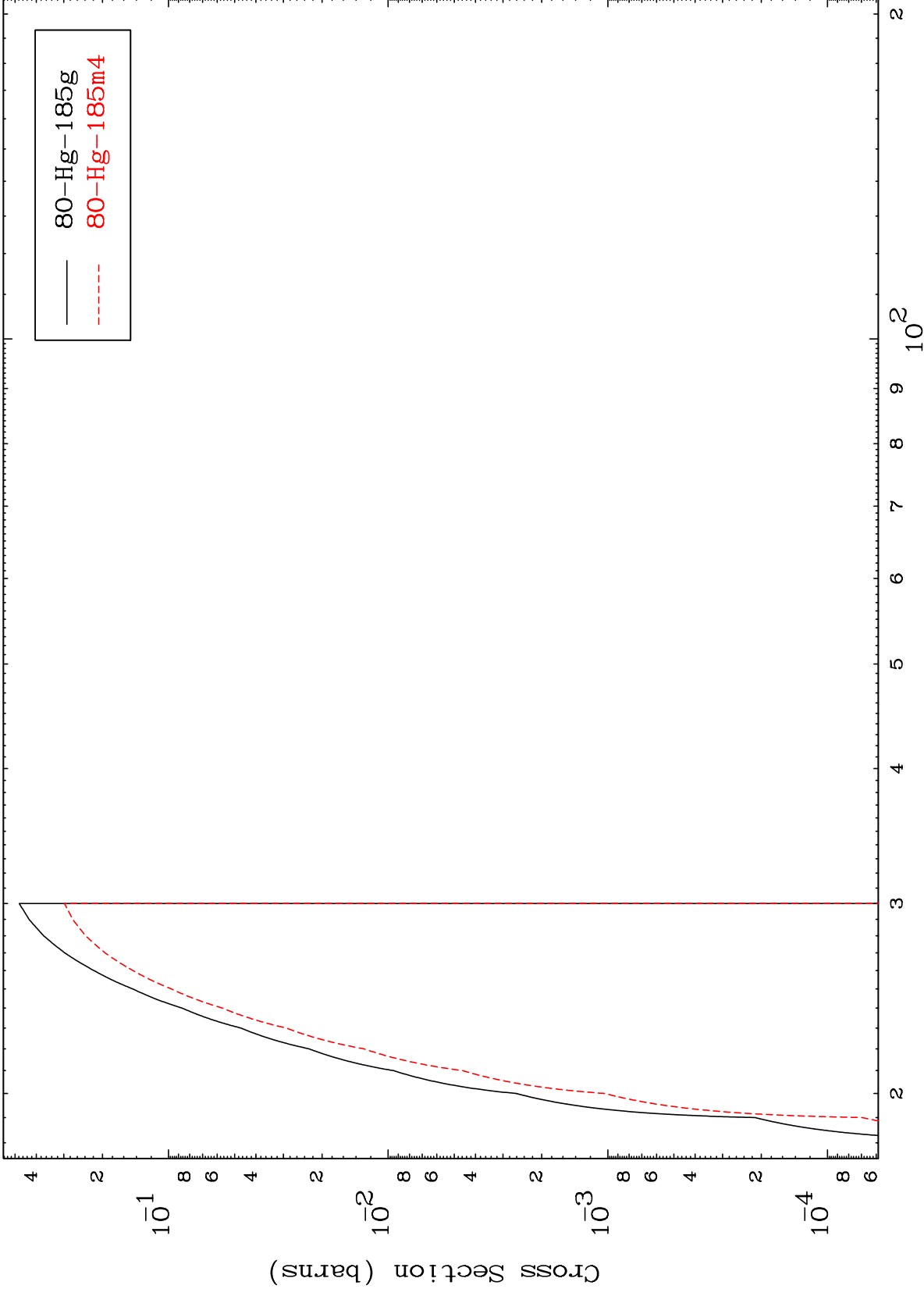
80-Hg-187m

MAT 7999

(n,3n)

80-Hg-187m

Radionuclide Production Cross Section



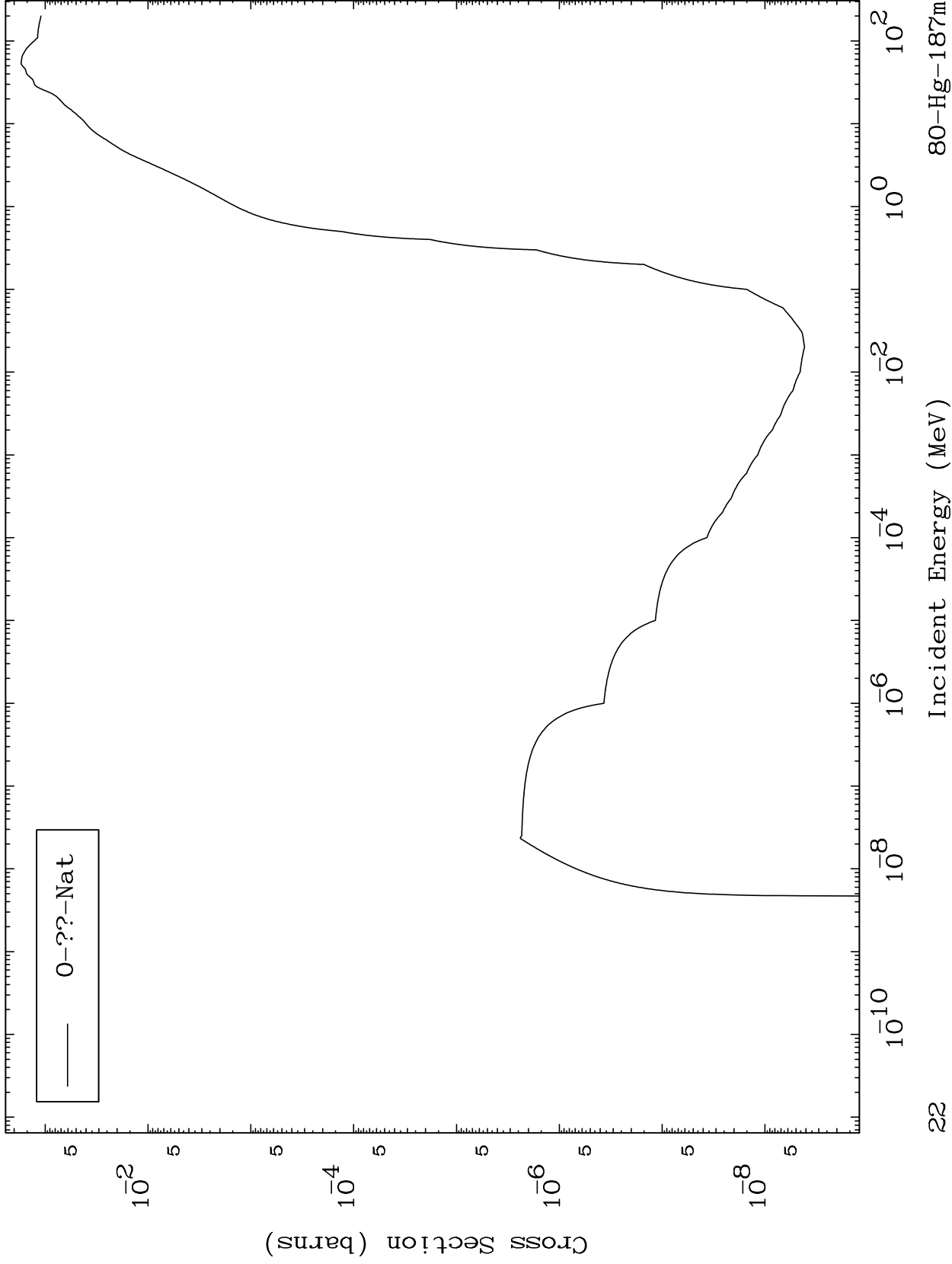
80-Hg-185g
80-Hg-185m4

MAT 7999

Fission

80-Hg-187m

Radionuclide Production Cross Section

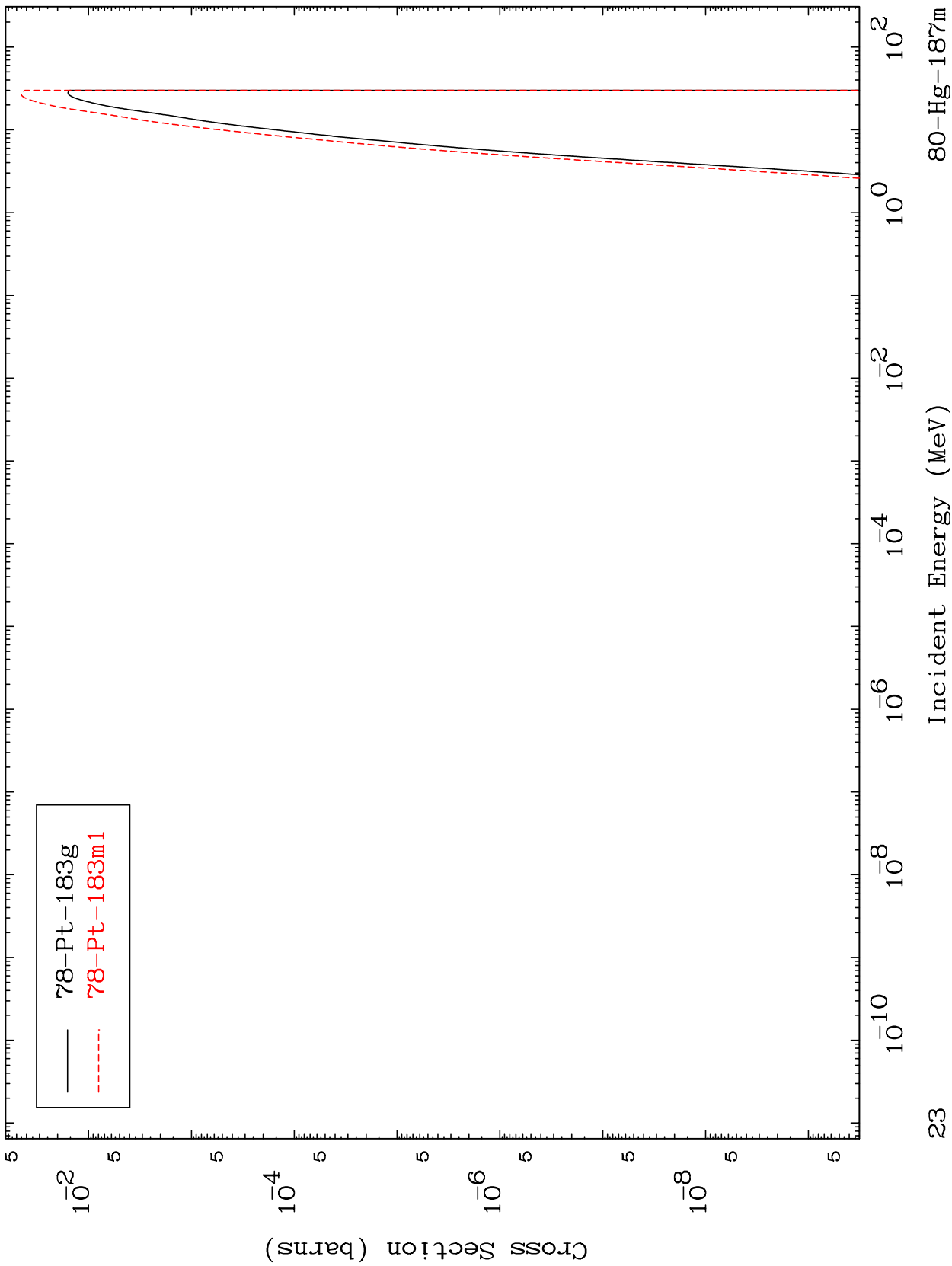


MAT 7999

$(n, n') \alpha$

80-Hg-187m

Radionuclide Production Cross Section



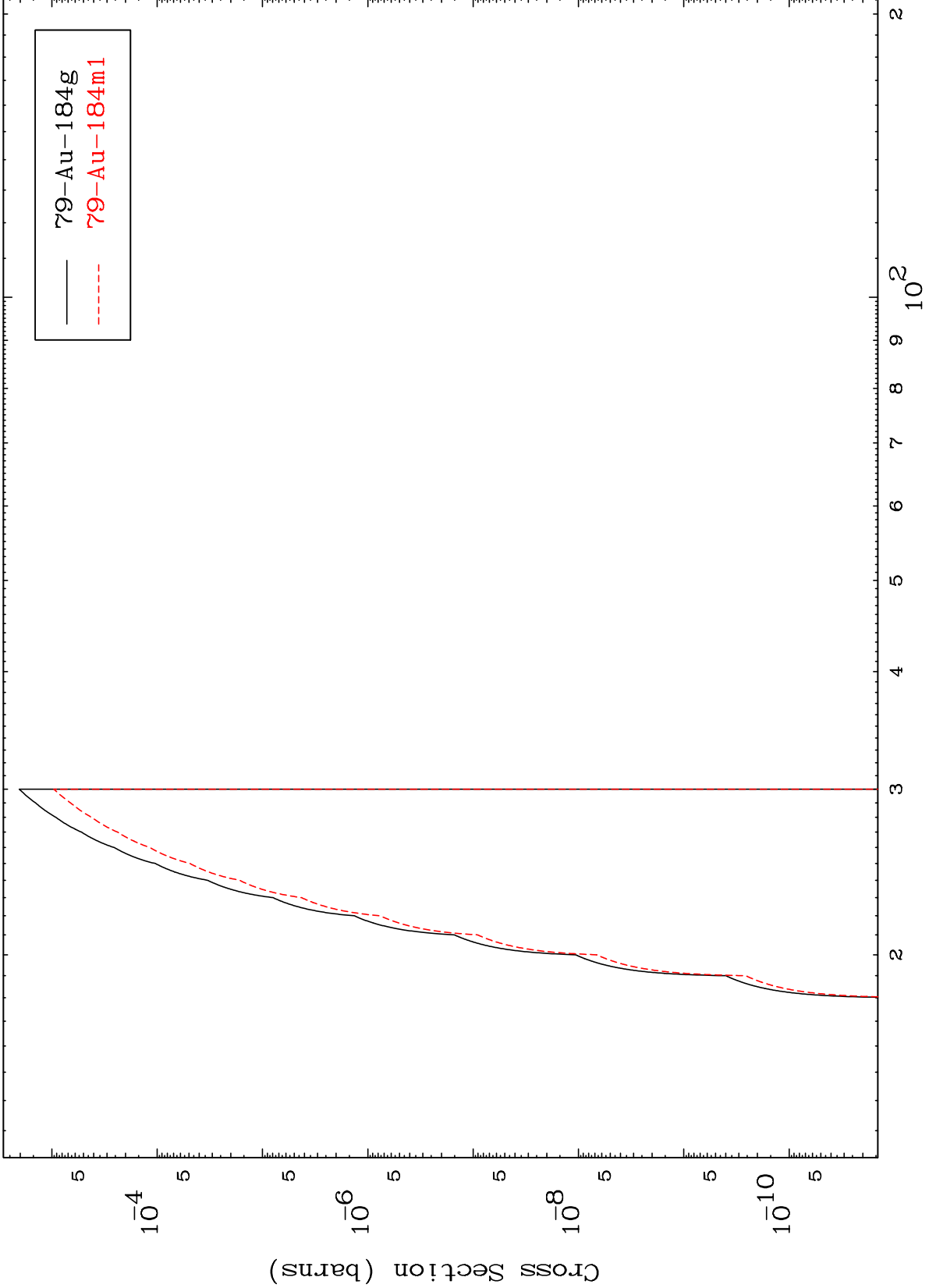
78-Pt-183g
78-Pt-183m1

MAT 7999

(n,n') t

80-Hg-187m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

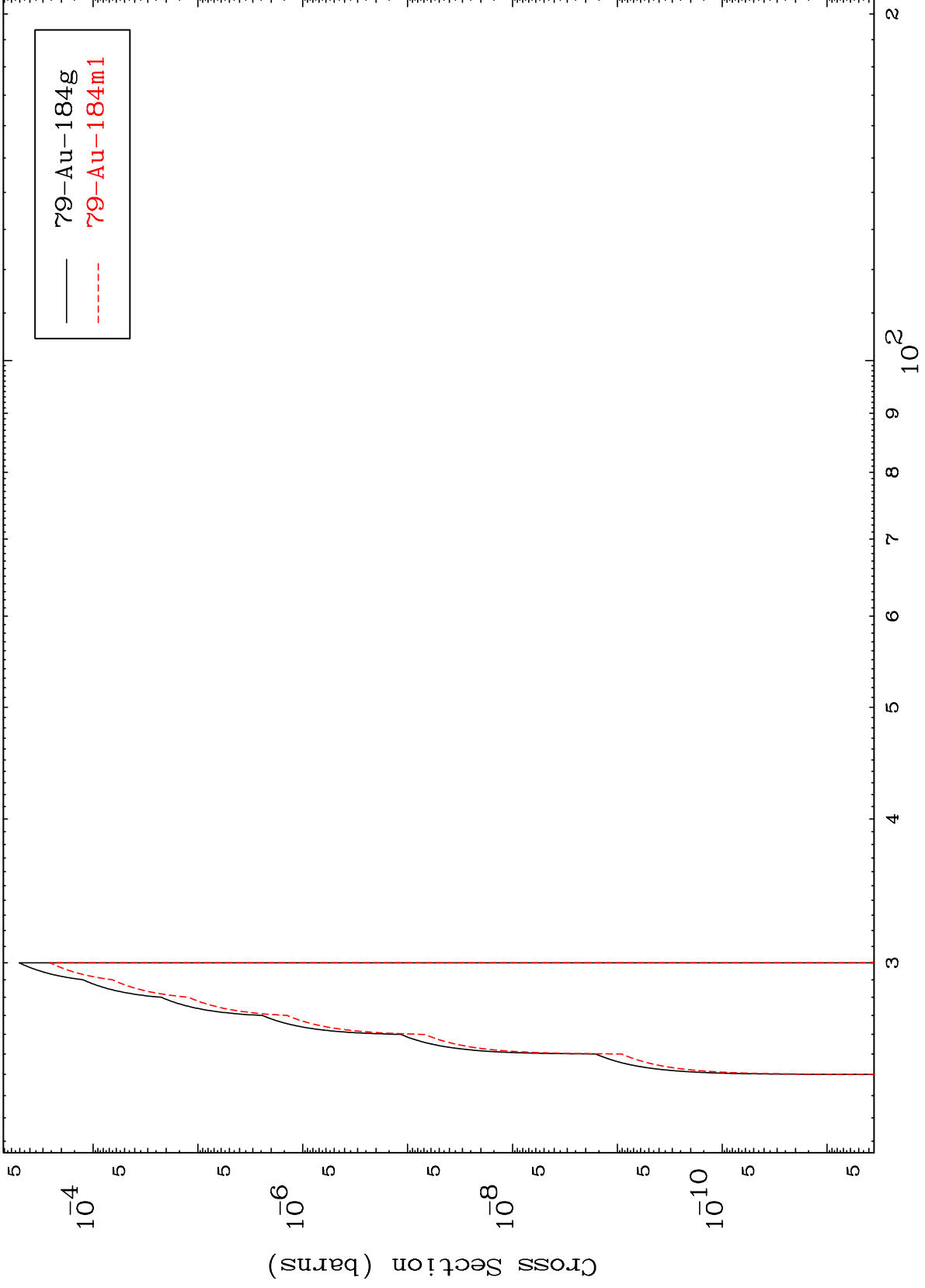
80-Hg-187m

MAT 7999

(n,3n) p

80-Hg-187m

Radionuclide Production Cross Section



25

Incident Energy (MeV)

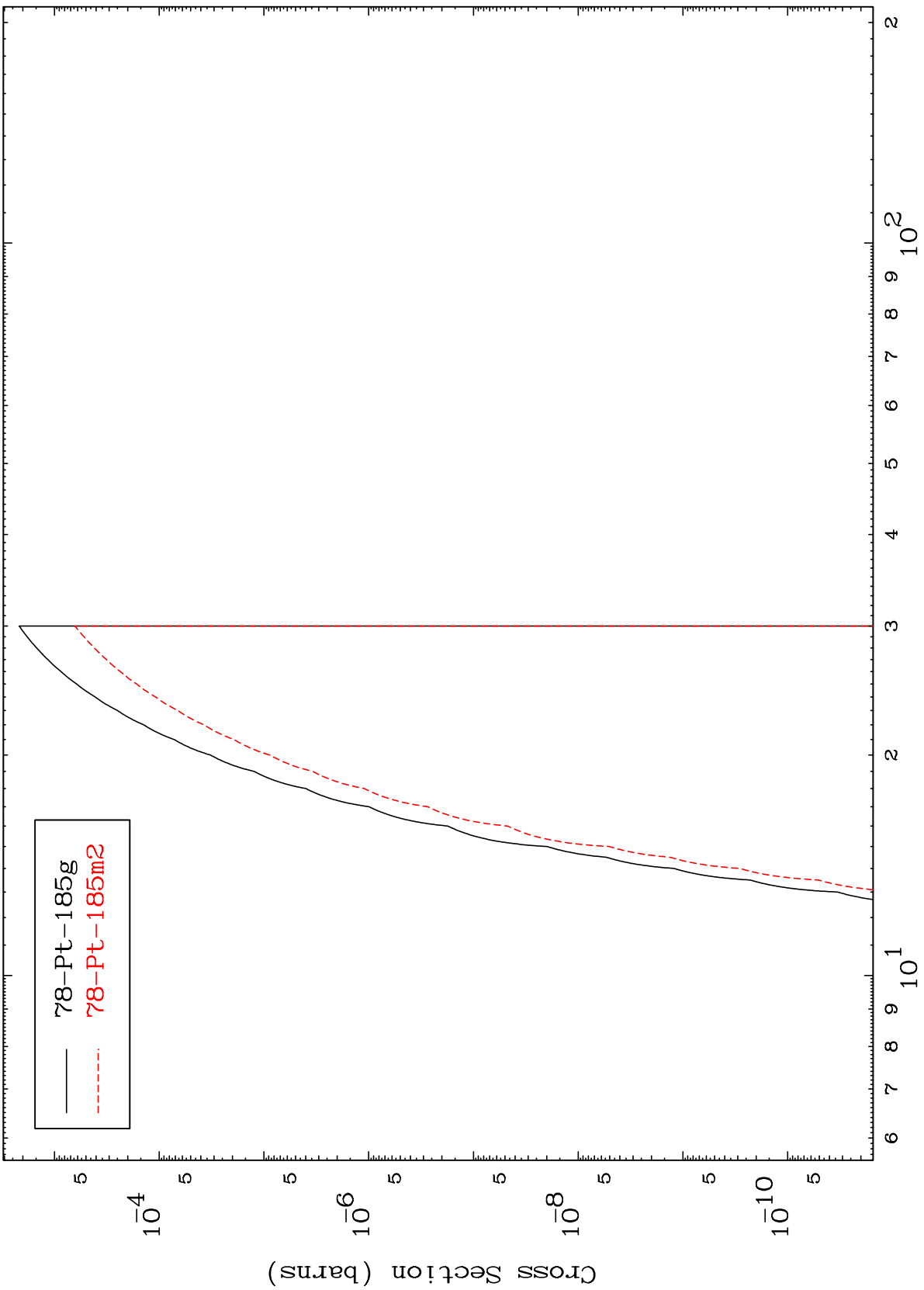
80-Hg-187m

MAT 7999

(n,2n) p

80-Hg-187m

Radionuclide Production Cross Section



78-Pt-185g
78-Pt-185m2

Incident Energy (MeV)

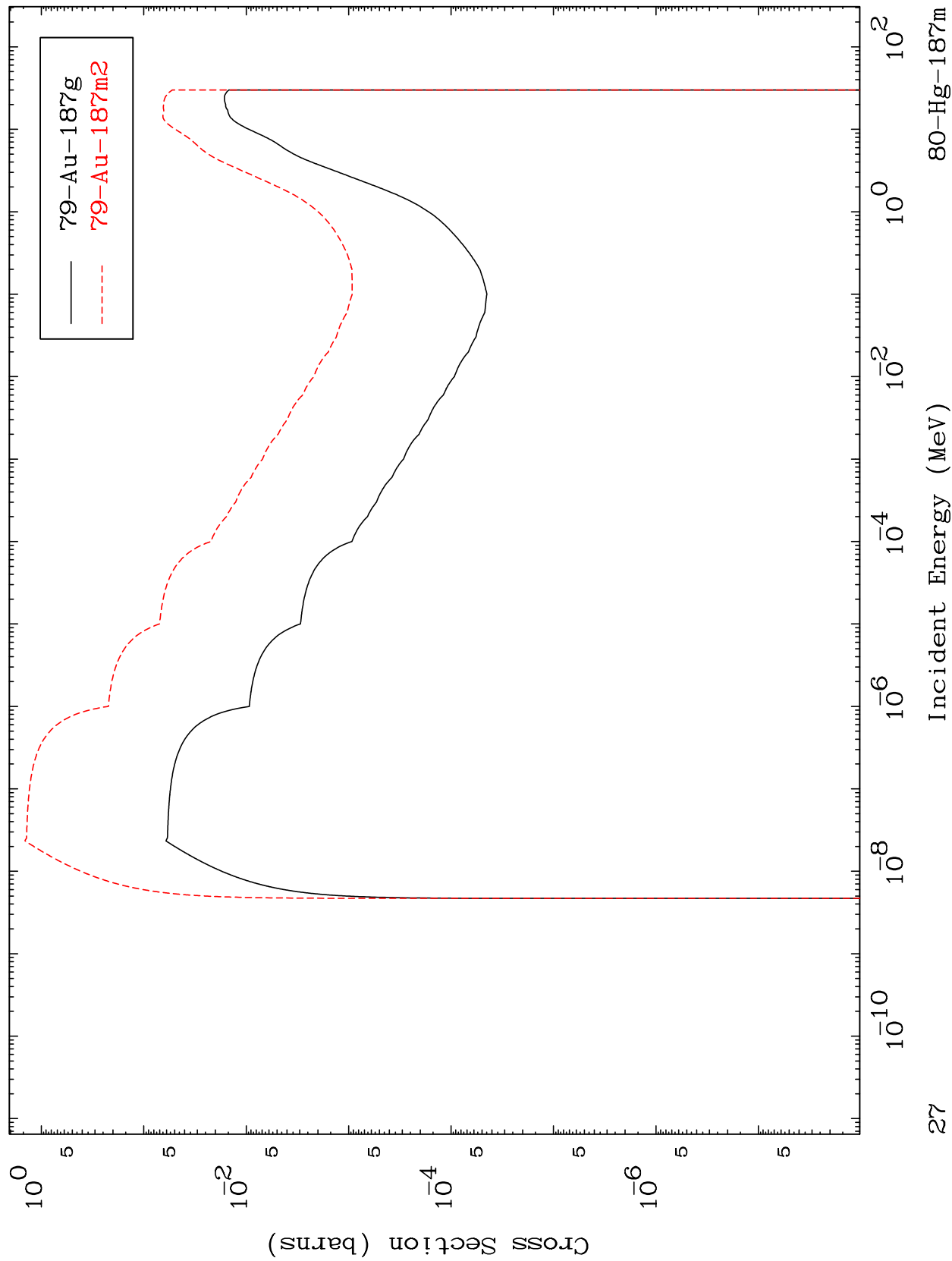
80-Hg-187m

26

MAT 7999

80-Hg-187m

(n,p)
Radionuclide Production Cross Section

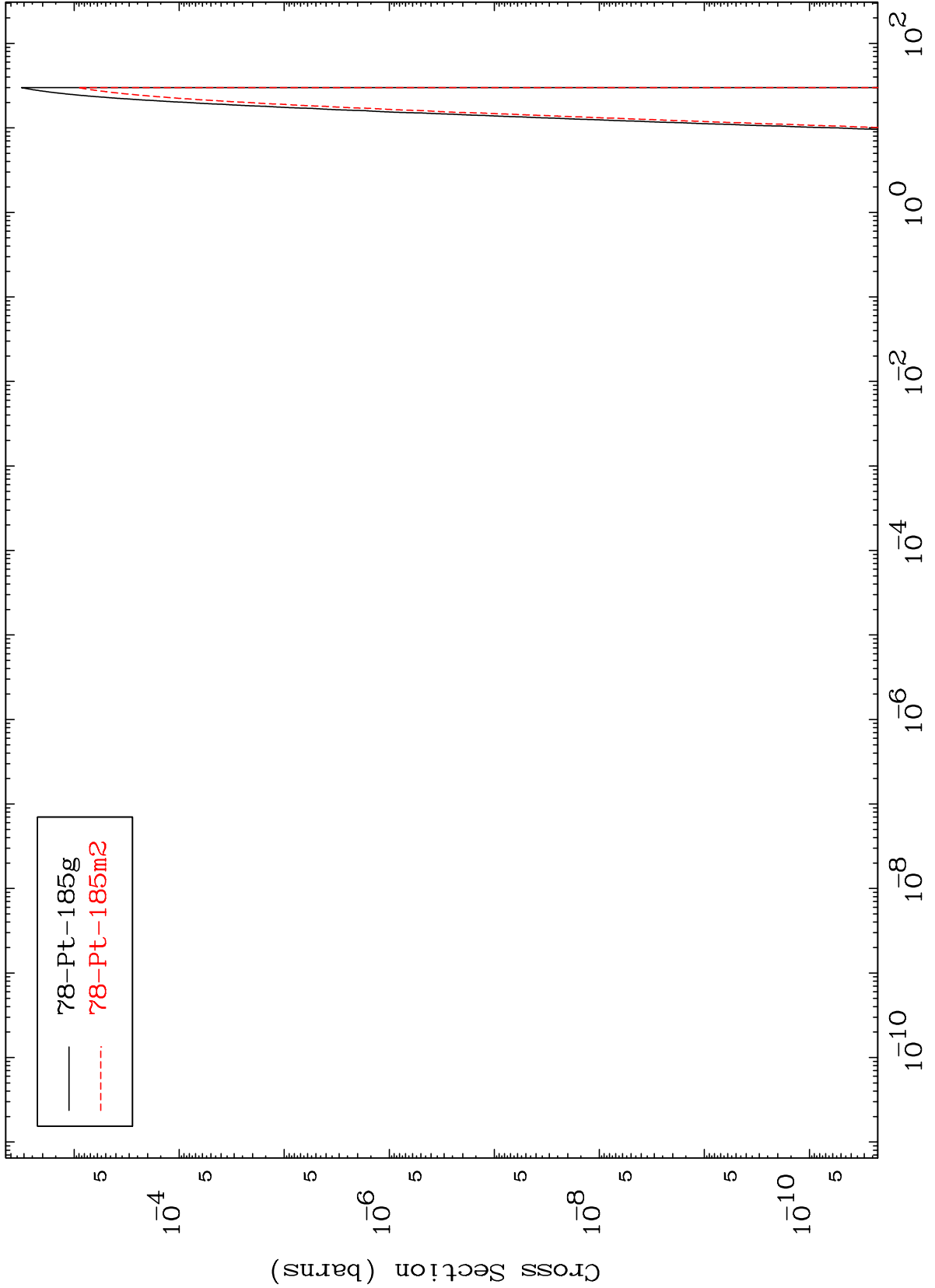


MAT 7999

(n,He-3)

80-Hg-187m

Radionuclide Production Cross Section

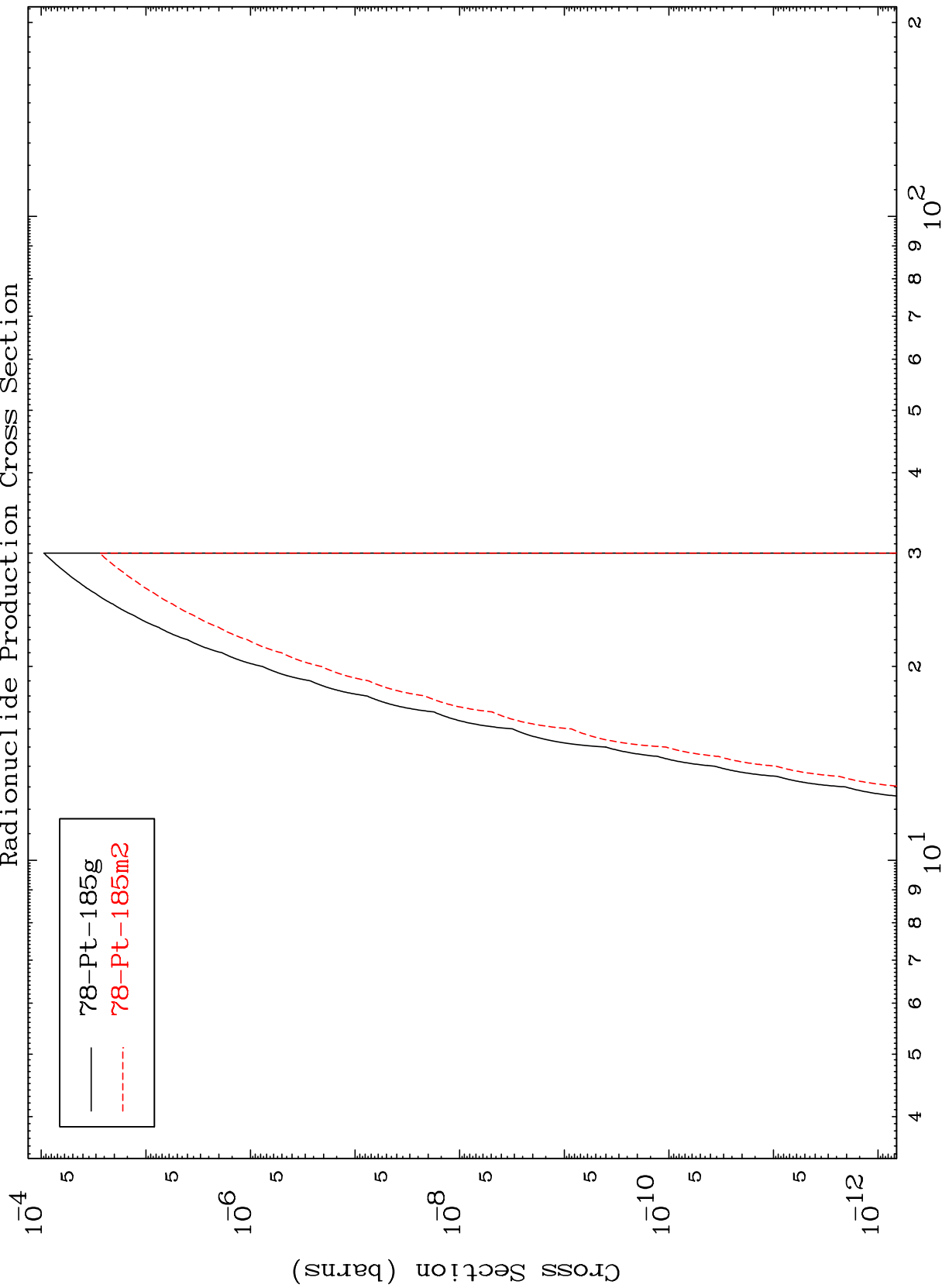


MAT 7999

(n,p) d

80-Hg-187m

Radionuclide Production Cross Section



29

Incident Energy (MeV)

80-Hg-187m