

Program EVALPLOT
(Version 2021-1)

by

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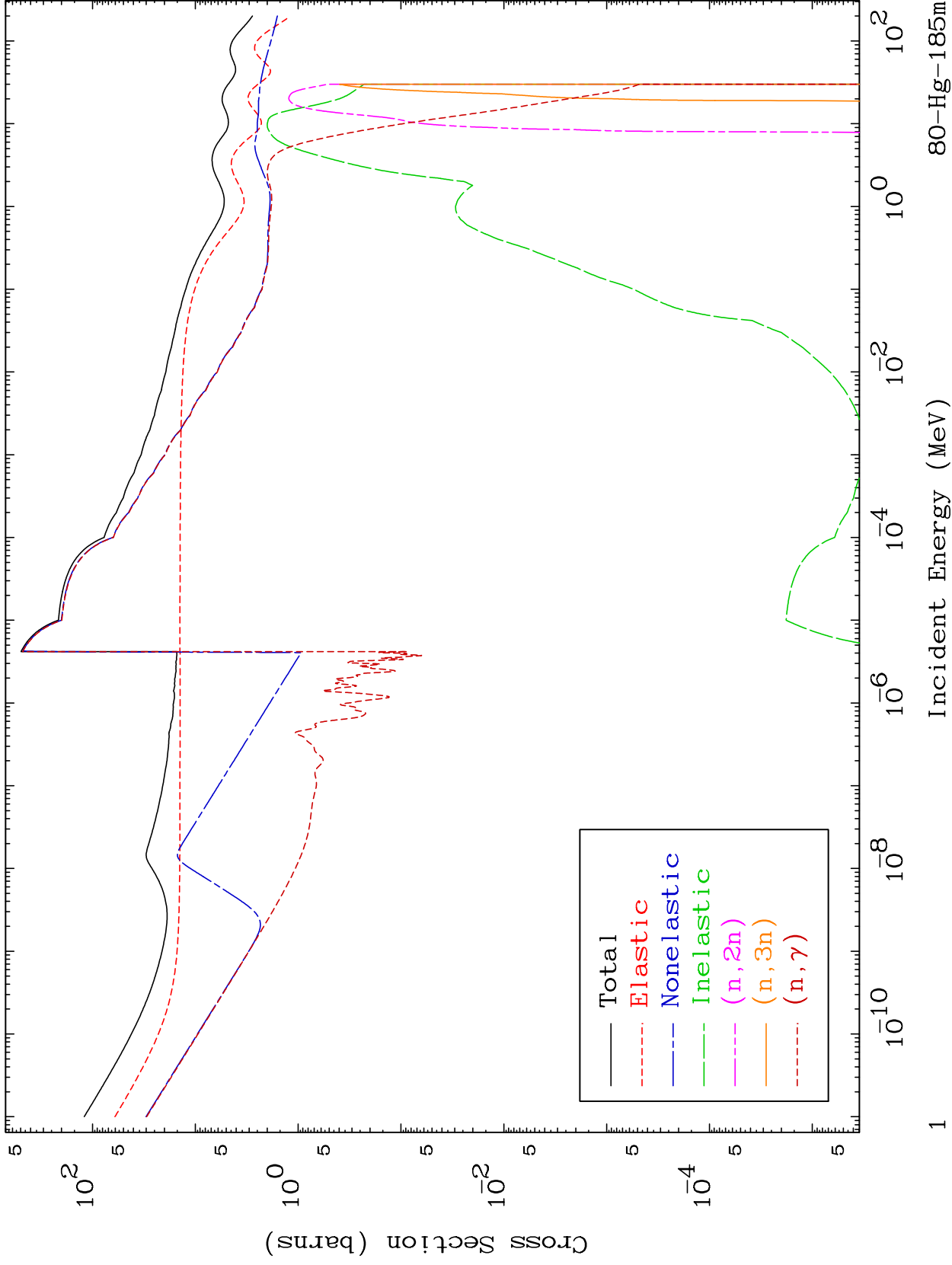
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7993

Neutron Major
293 Kelvin Cross Sections

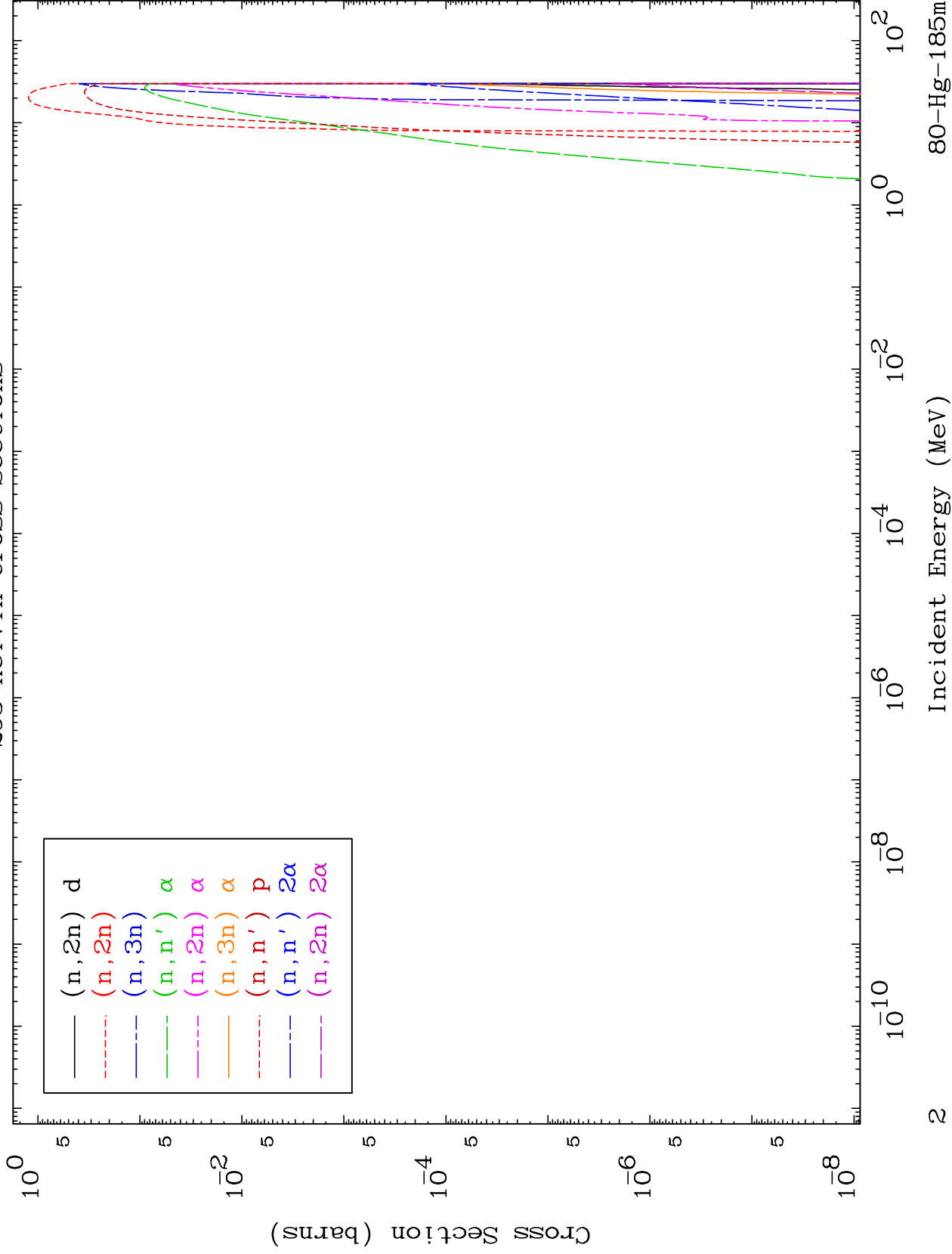
80-Hg-185m



MAT 7993

Neutron Absorption
293 Kelvin Cross Sections

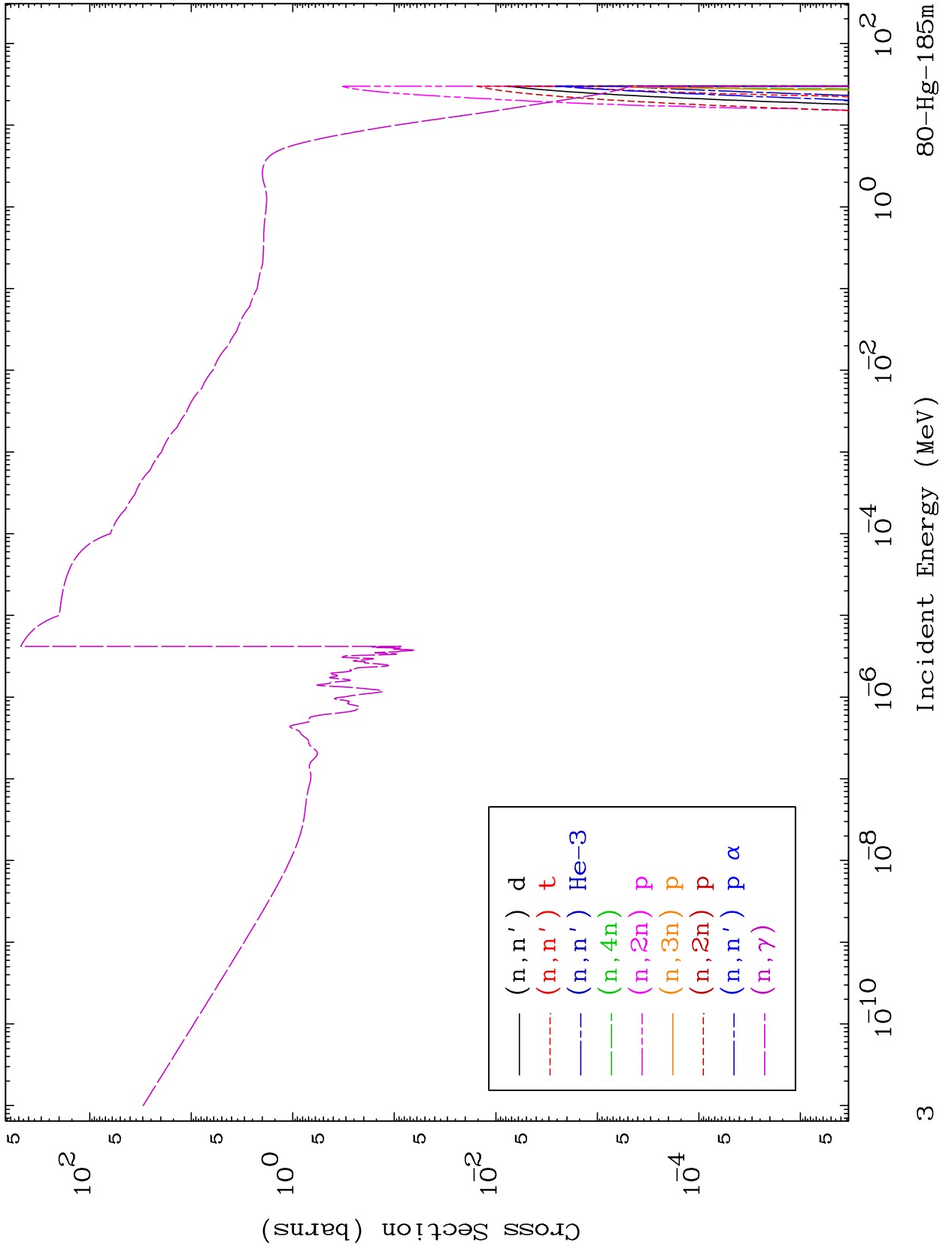
80-Hg-185m



MAT 7993

Neutron Absorption
293 Kelvin Cross Sections

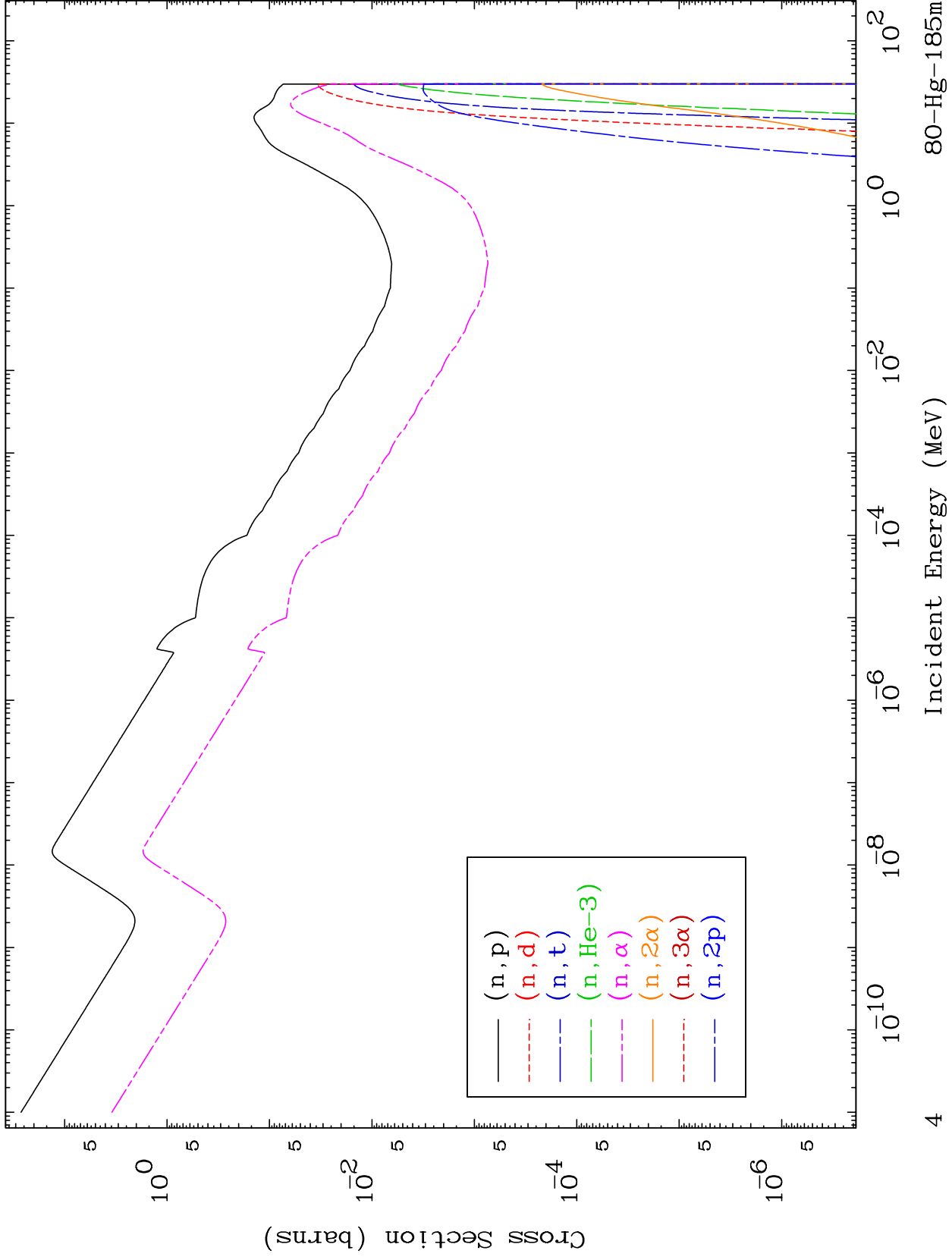
80-Hg-185m



MAT 7993

Neutron Absorption
293 Kelvin Cross Sections

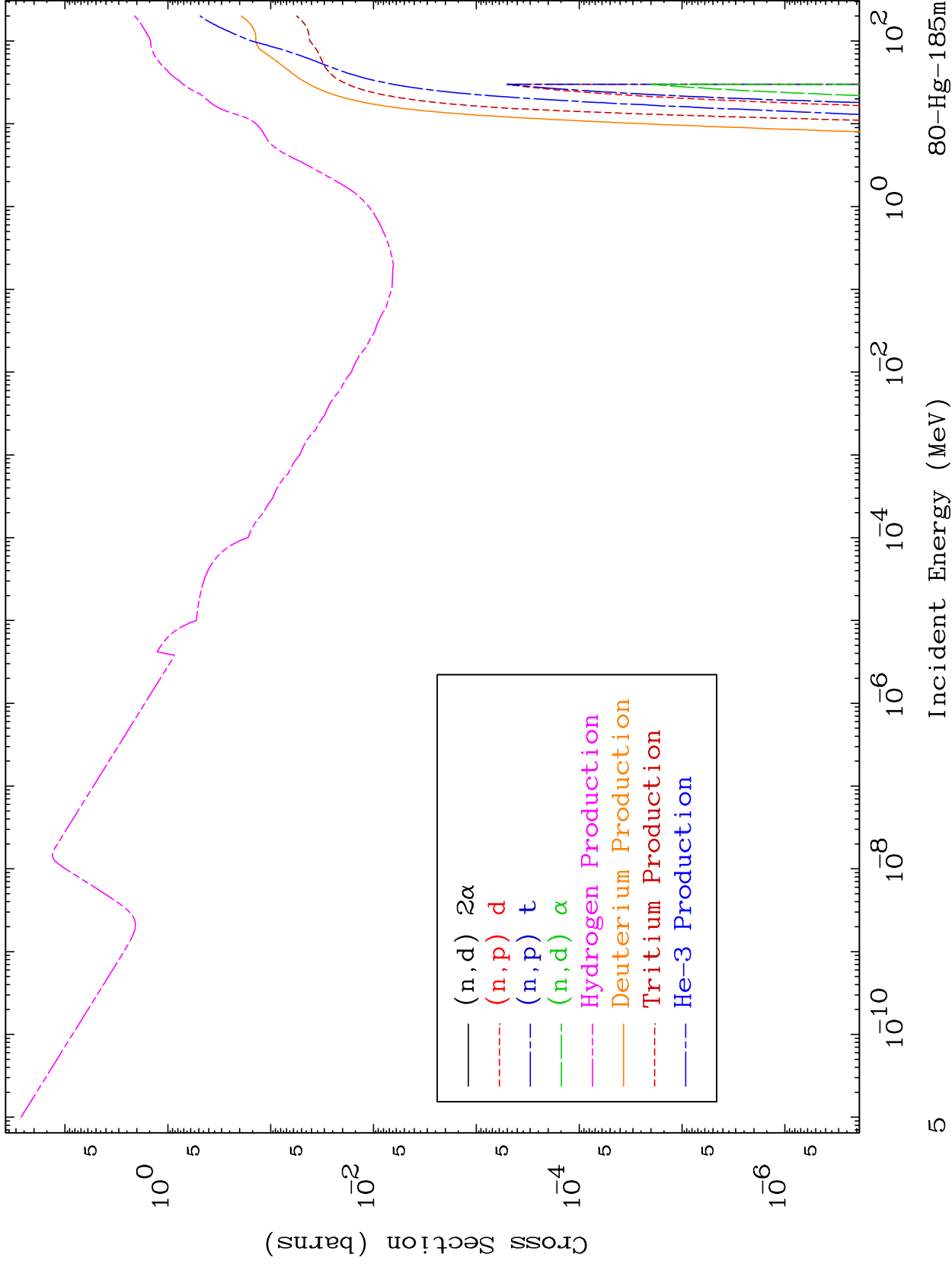
80-Hg-185m



MAT 7993

Neutron Absorption
293 Kelvin Cross Sections

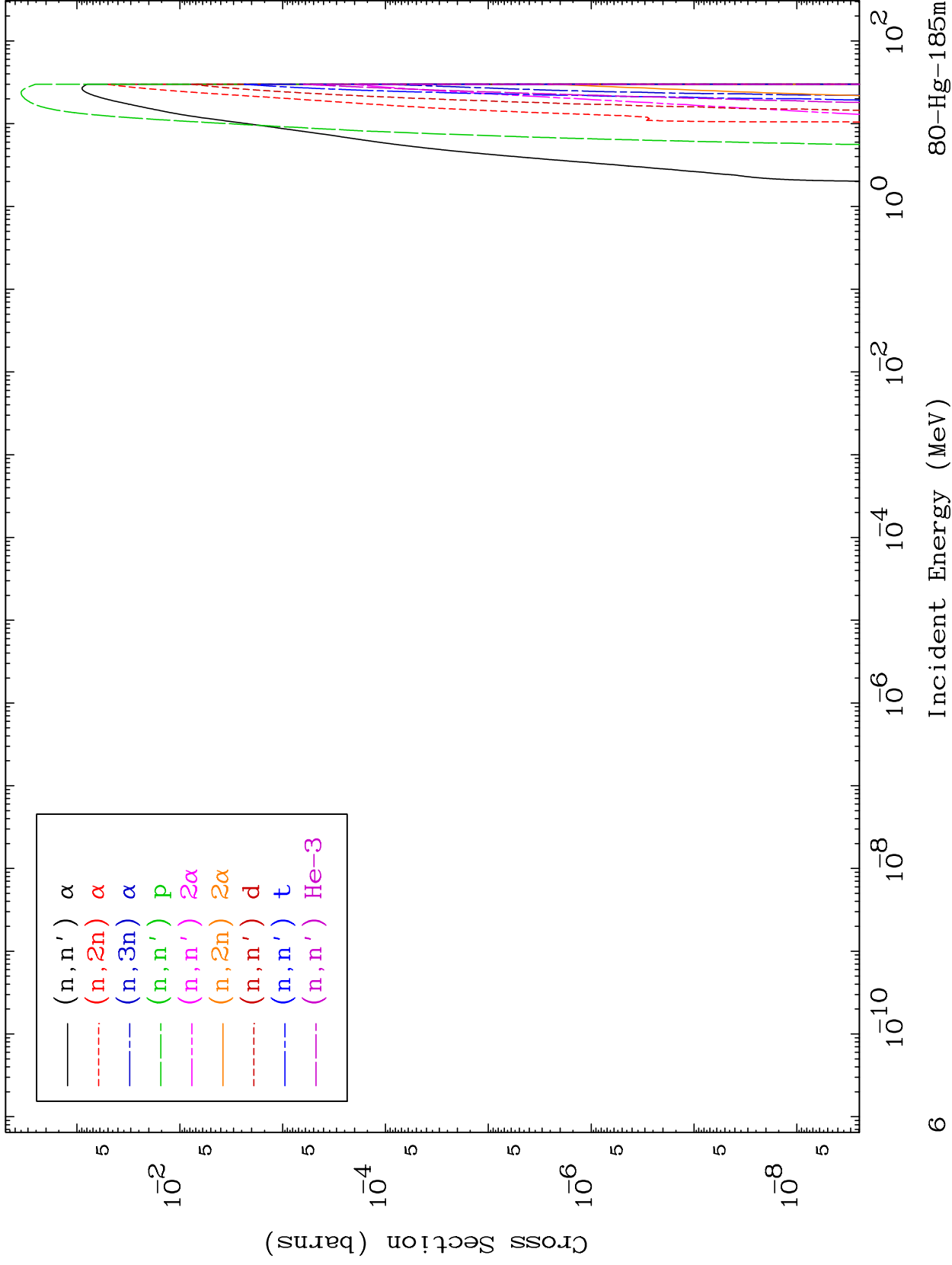
80-Hg-185m



MAT 7993

Charged Particle
293 Kelvin Cross Sections

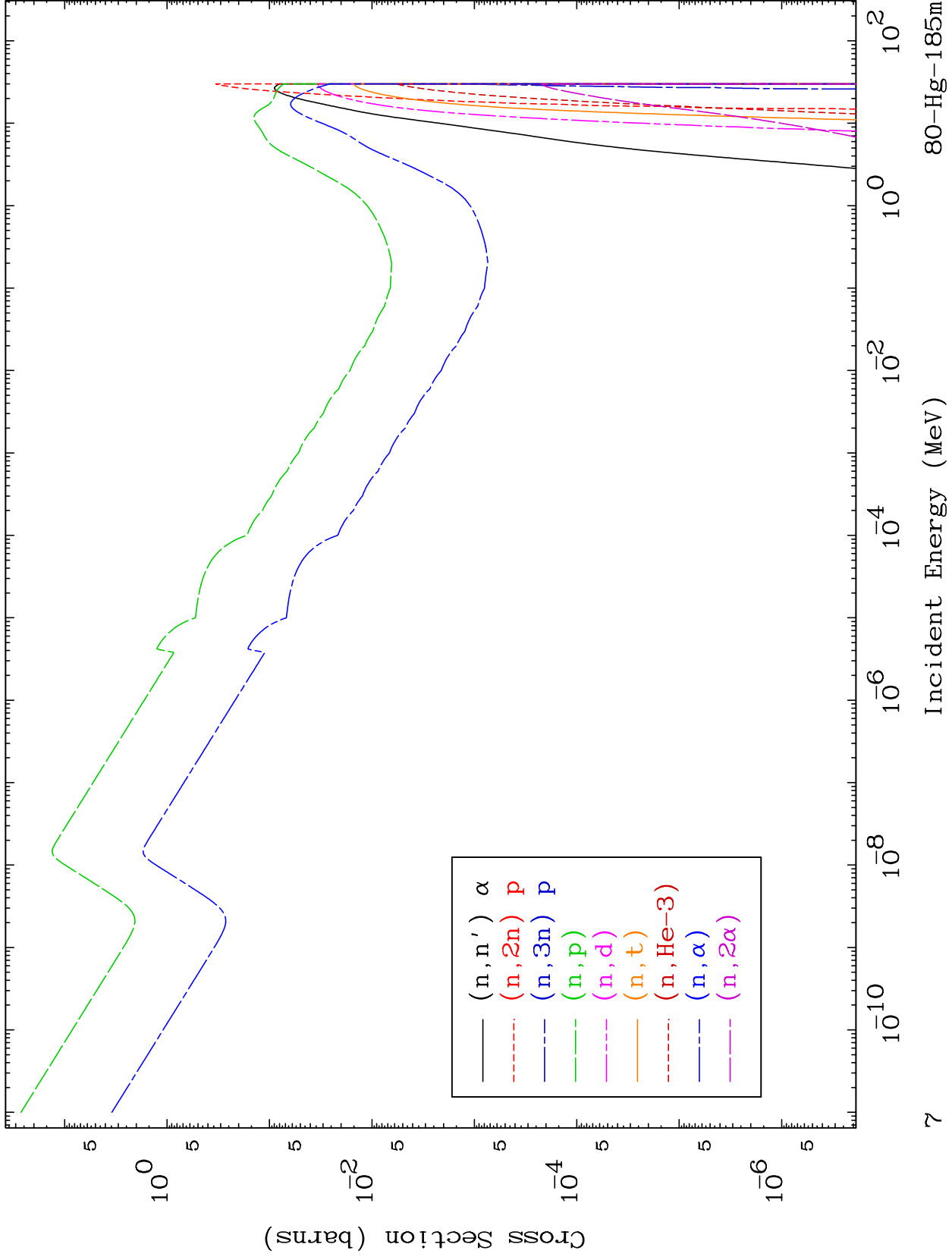
80-Hg-185m



MAT 7993

Charged Particle
293 Kelvin Cross Sections

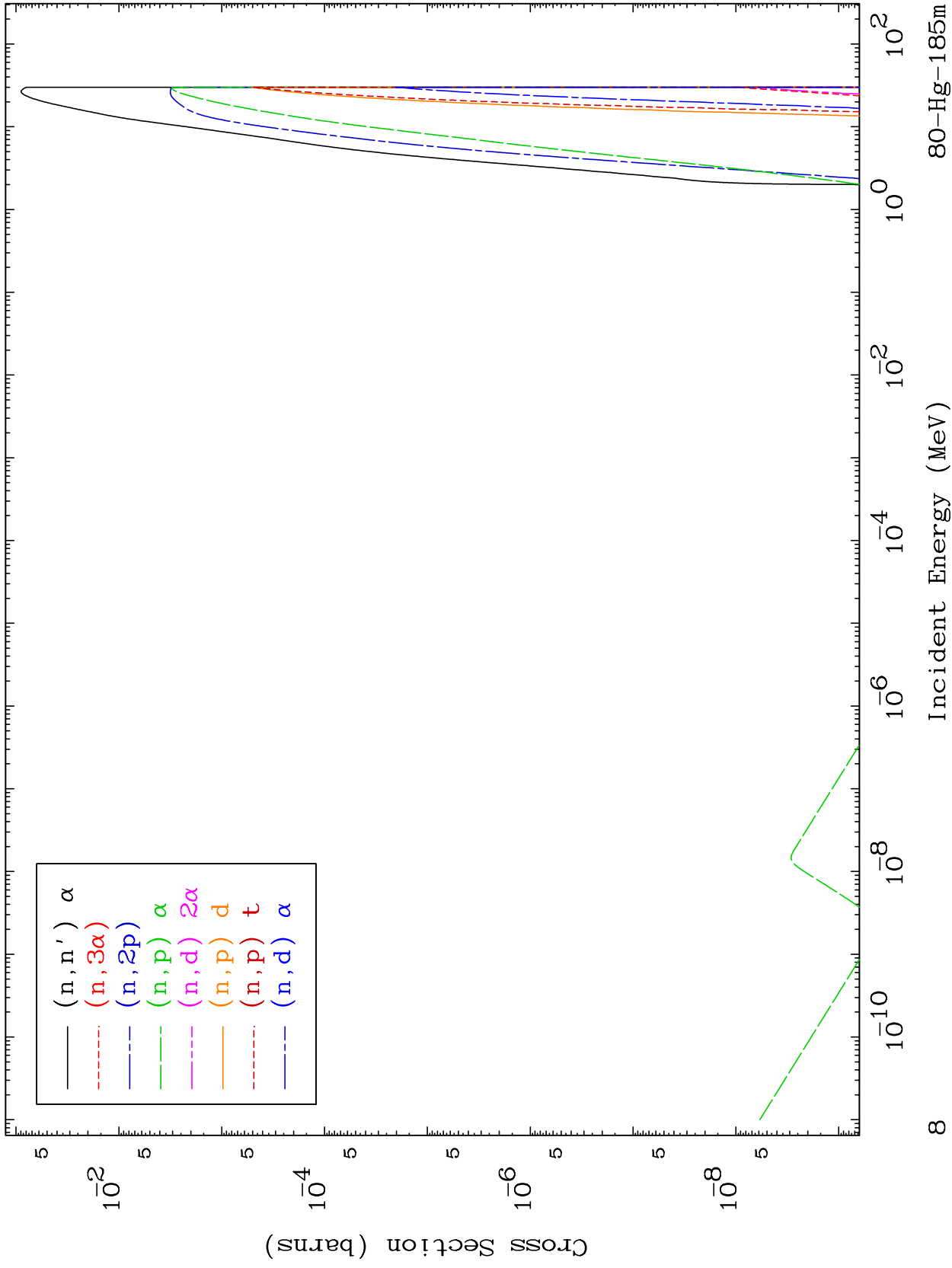
80-Hg-185m



MAT 7993

Charged Particle
293 Kelvin Cross Sections

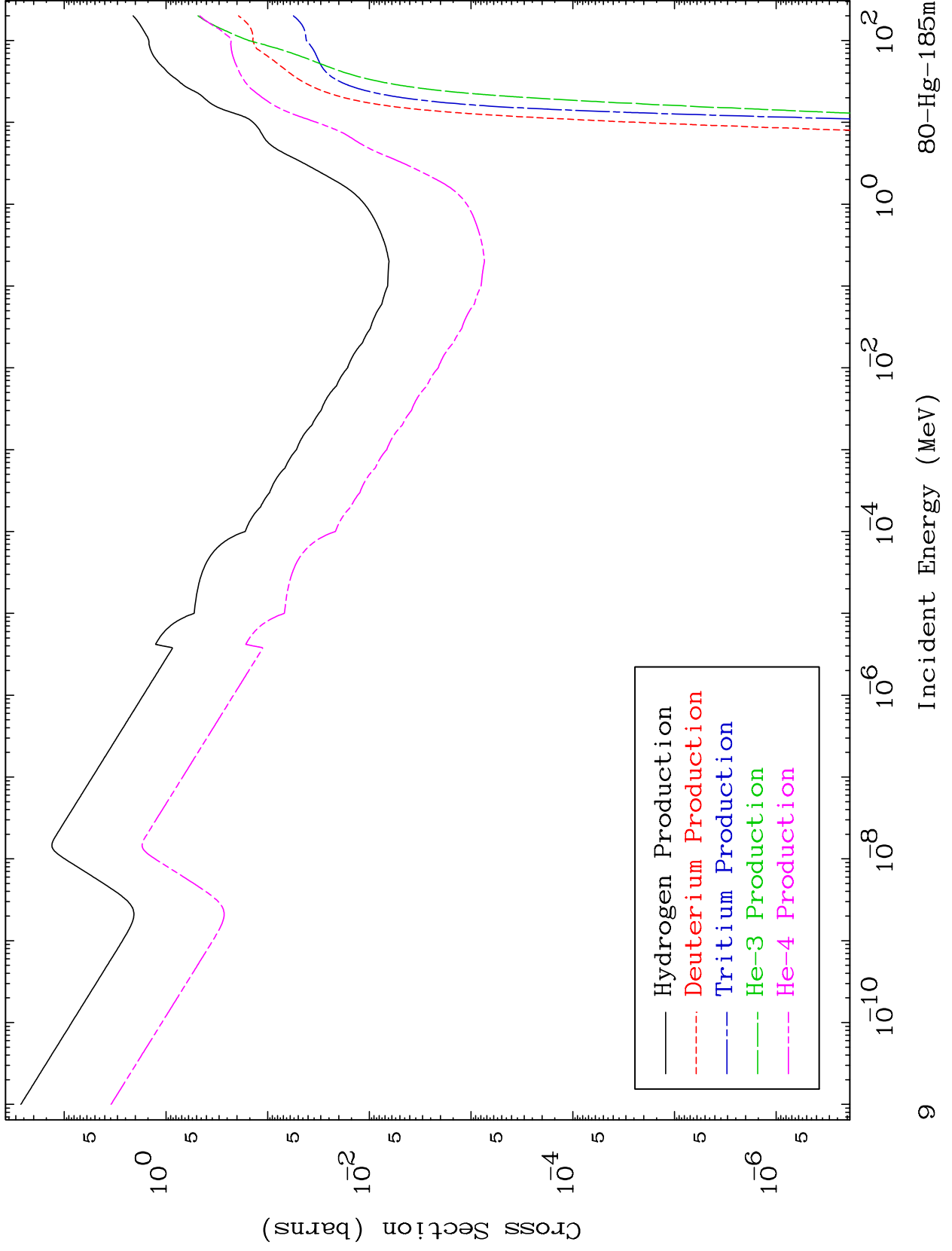
80-Hg-185m



MAT 7993

Particle Production
293 Kelvin Cross Sections

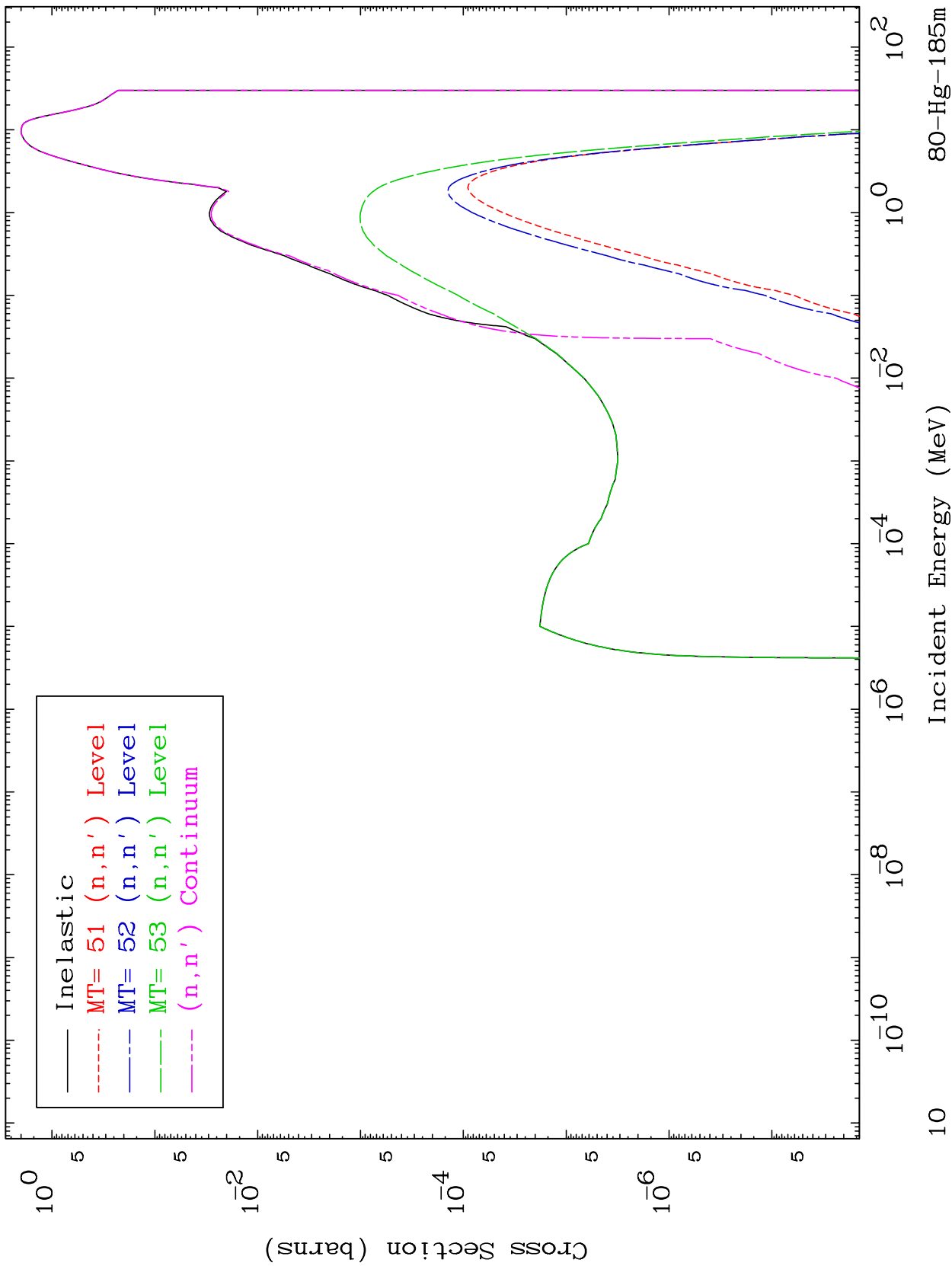
80-Hg-185m



MAT 7993

(n,n') Levels
293 Kelvin Cross Sections

80-Hg-185m



10

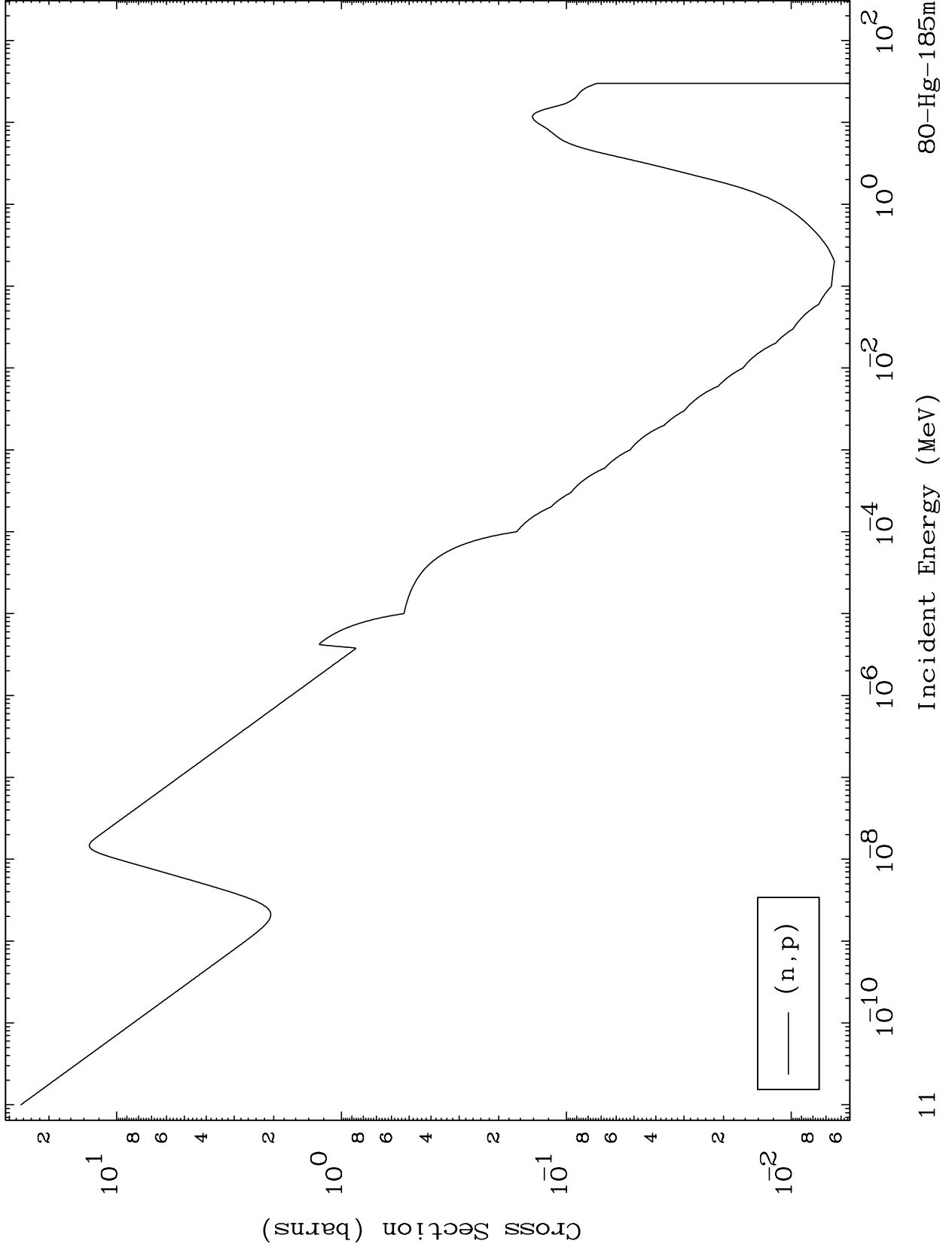
Incident Energy (MeV)

80-Hg-185m

MAT 7993

(n,p) Levels
293 Kelvin Cross Sections

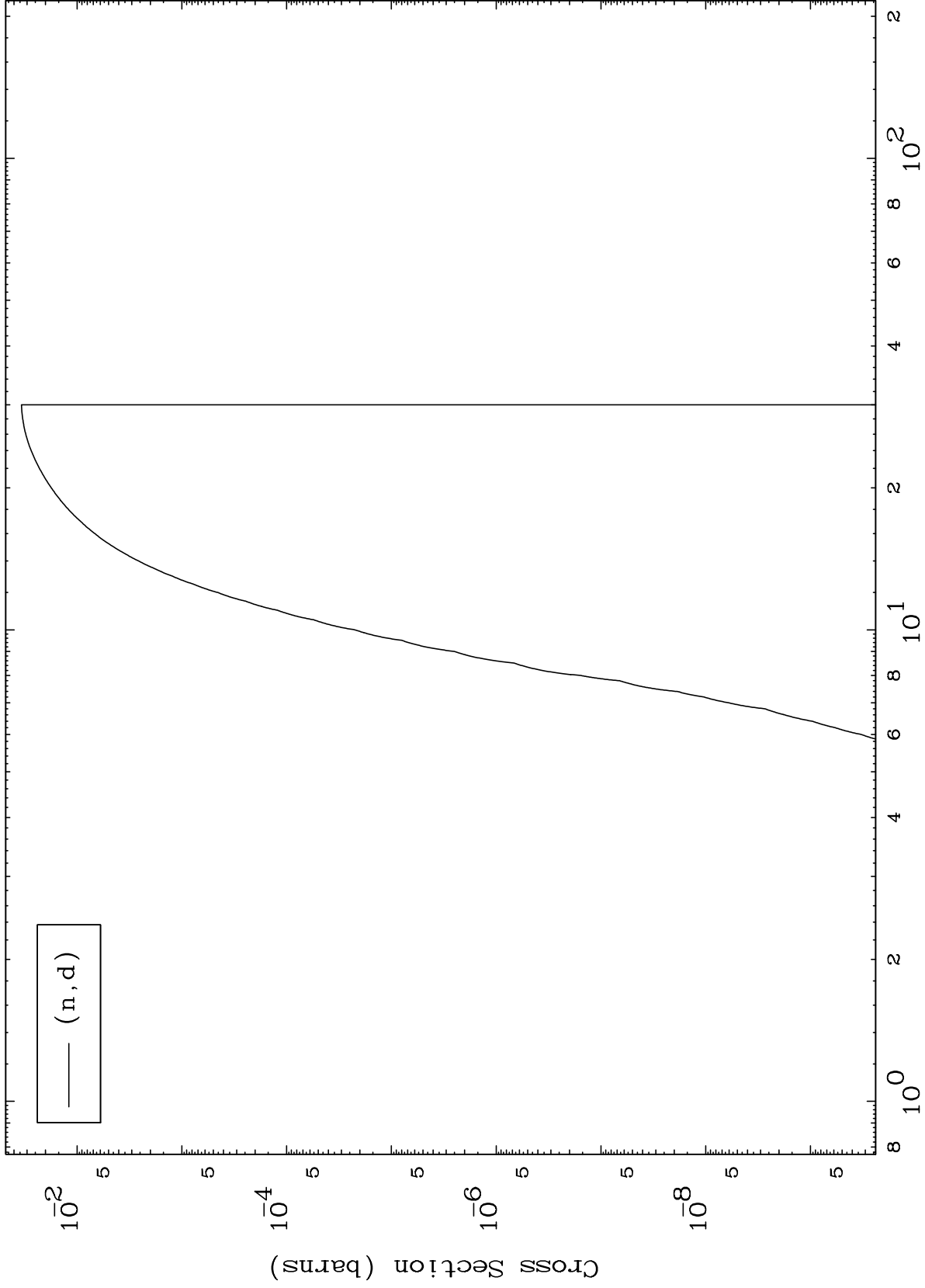
80-Hg-185m



MAT 7993

(n,d) Levels
293 Kelvin Cross Sections

80-Hg-185m



12

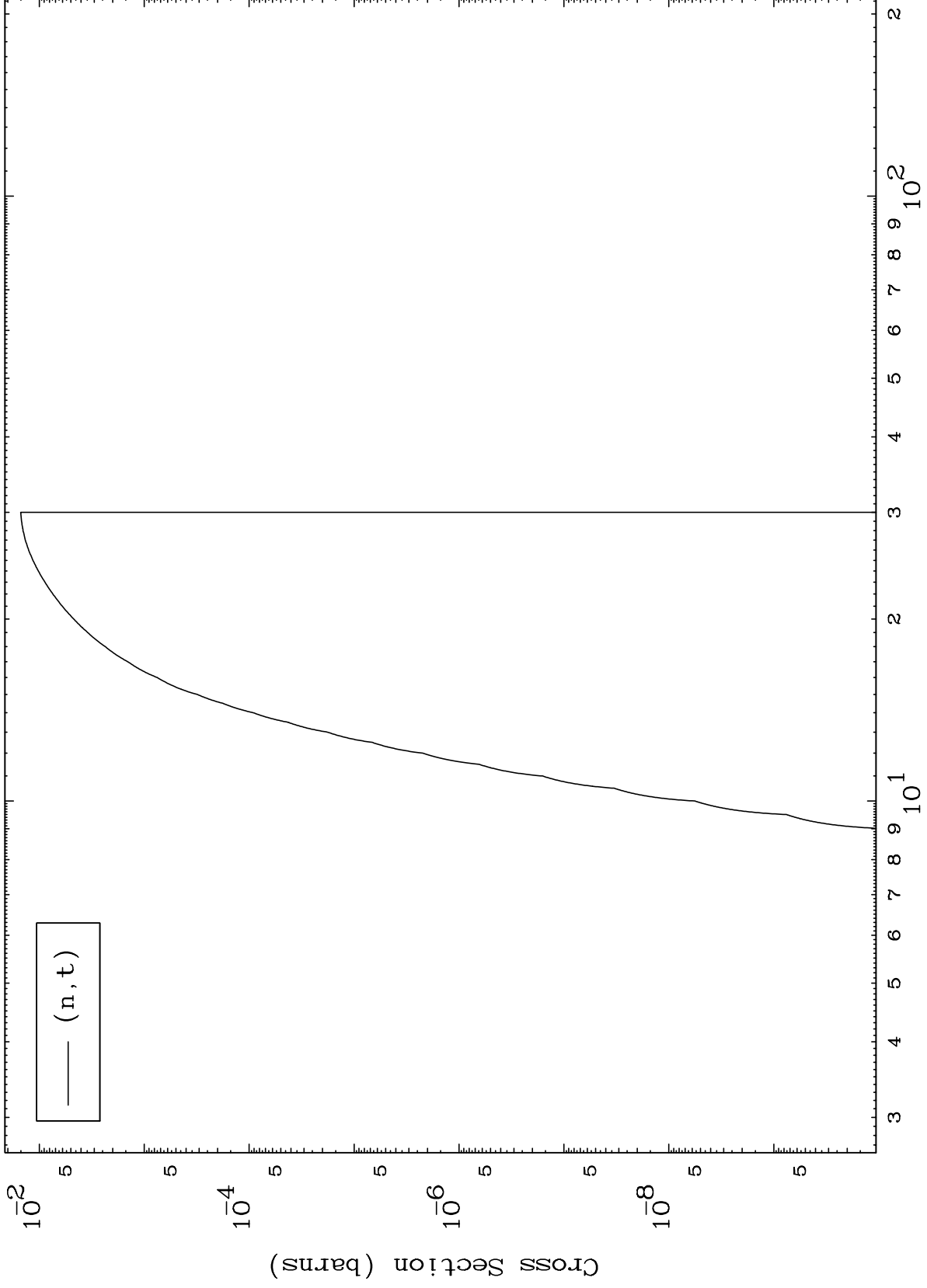
Incident Energy (MeV)

80-Hg-185m

MAT 7993

(n,t) Levels
293 Kelvin Cross Sections

80-Hg-185m



13

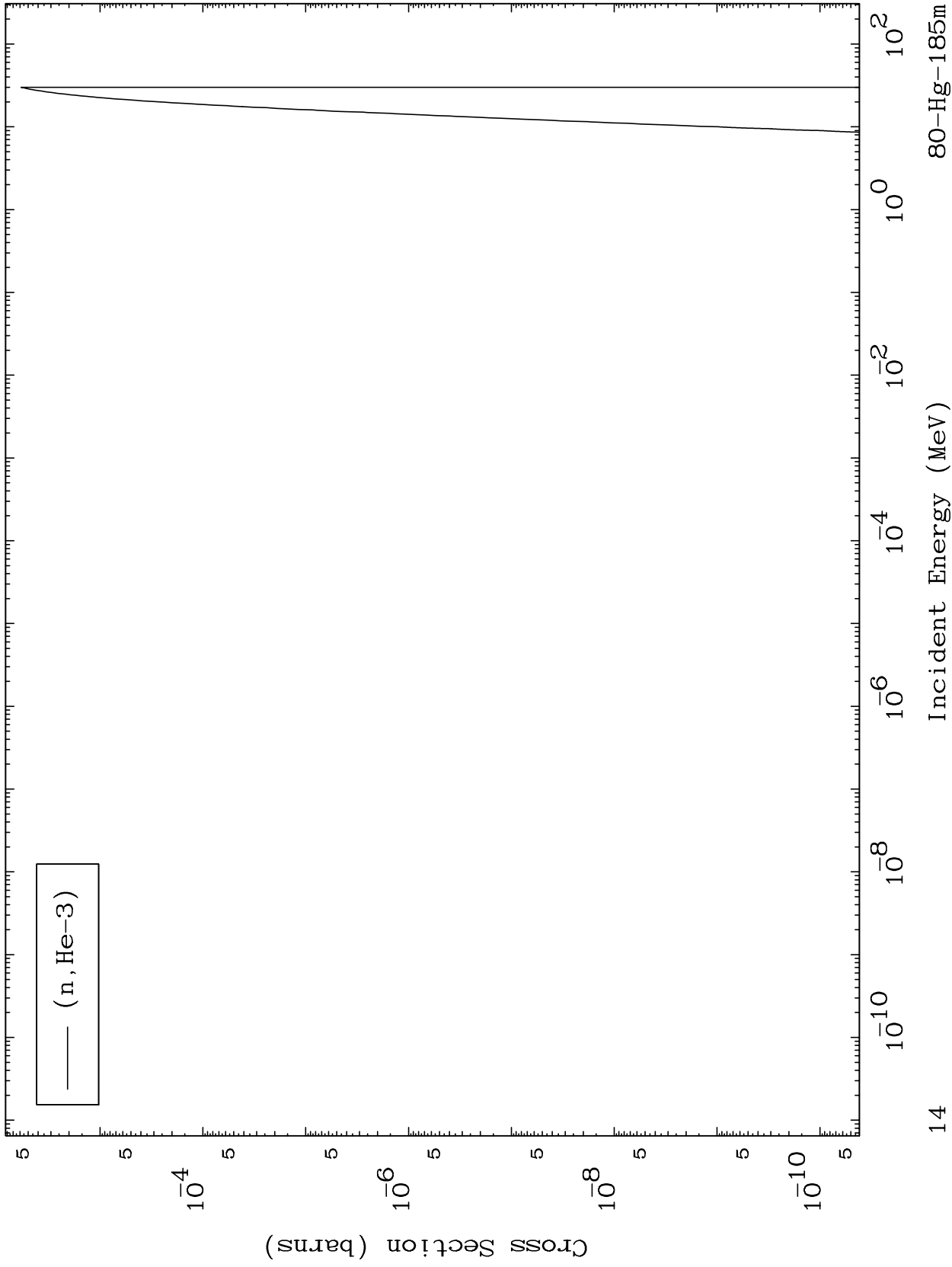
Incident Energy (MeV)

80-Hg-185m

MAT 7993

(n,He3) Levels
293 Kelvin Cross Sections

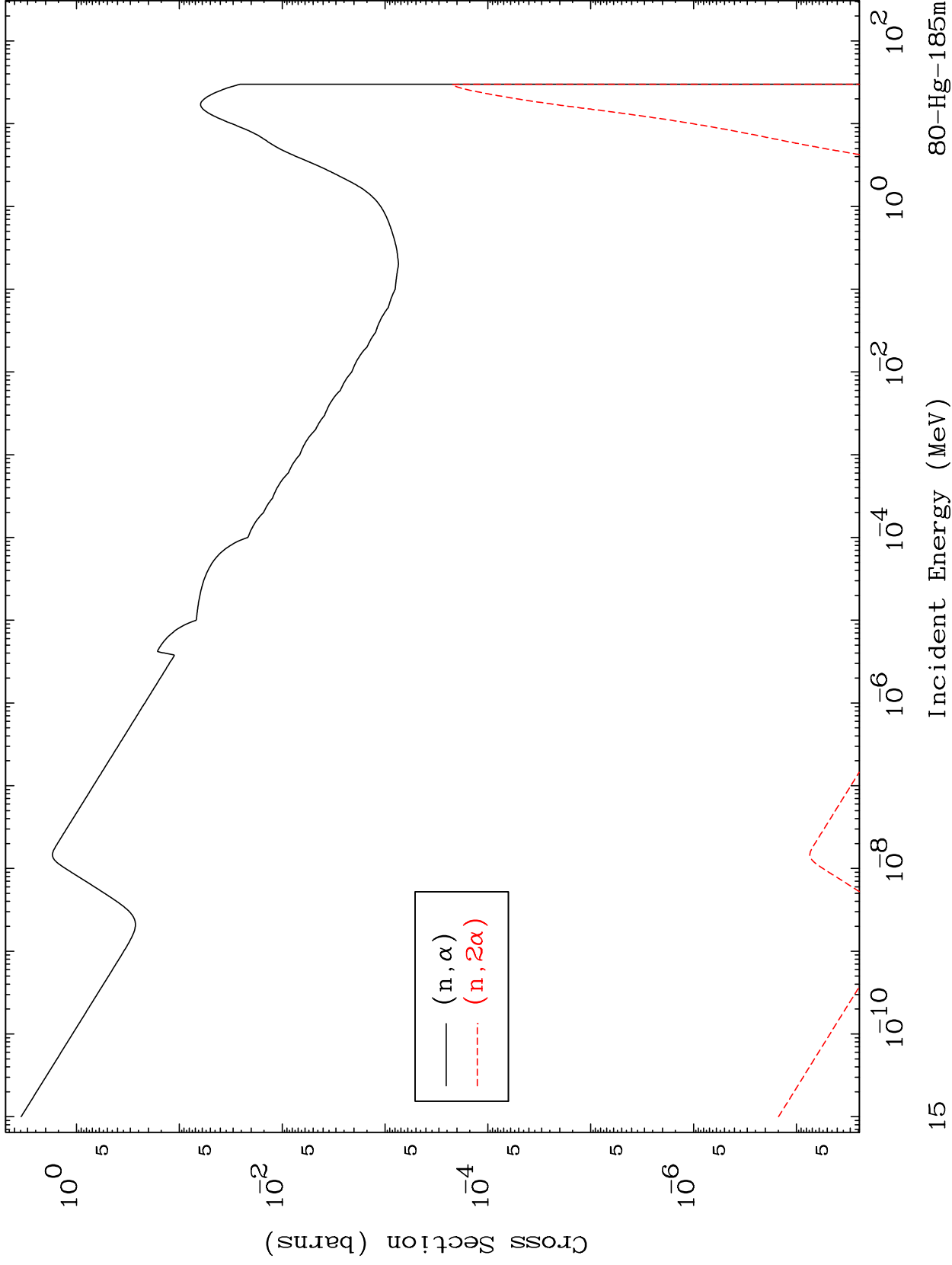
80-Hg-185m

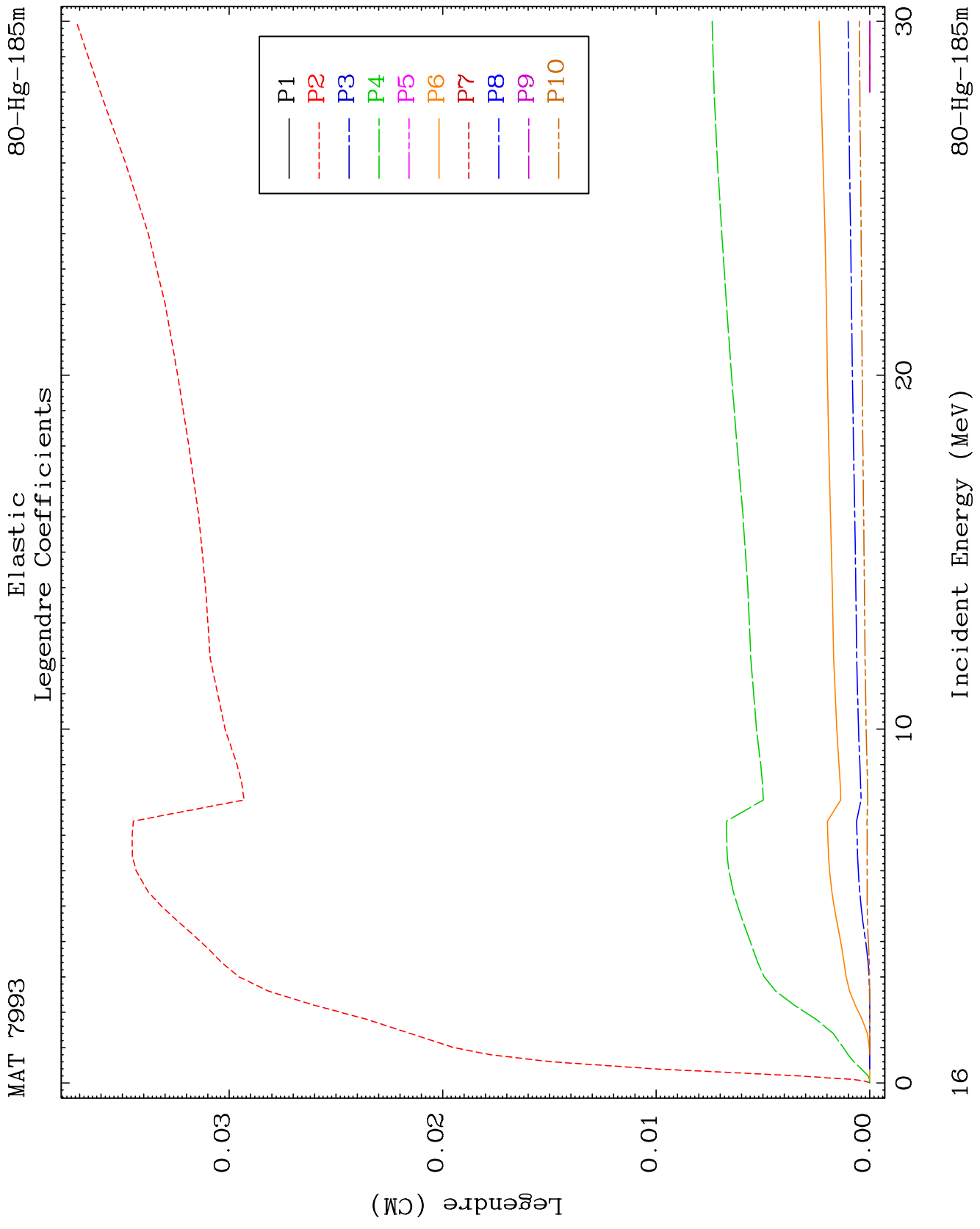


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(n, α) Levels
293 Kelvin Cross Sections

80-Hg-185m

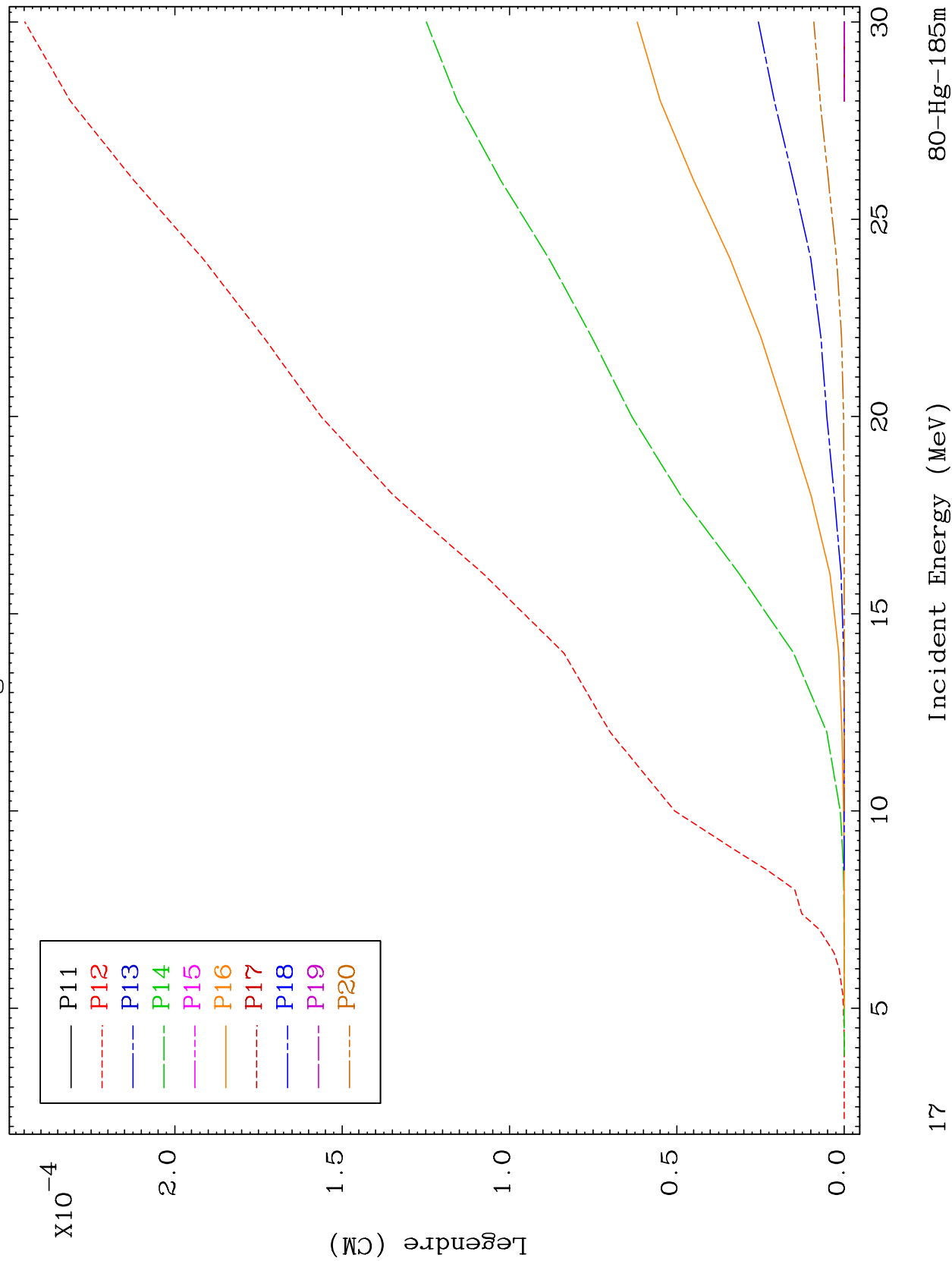




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Elastic Legendre Coefficients

80-Hg-185m



17

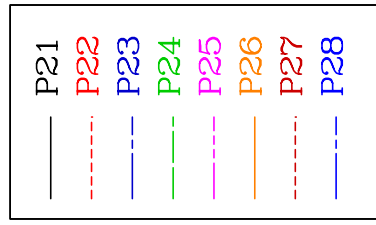
80-Hg-185m

Incident Energy (MeV)

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Elastic Legendre Coefficients

80-Hg-185m



$\times 10^{-6}$

Legendre (CM)

0.8

0.6

0.4

0.2

0.0

15

20

25

30

18

Incident Energy (MeV)

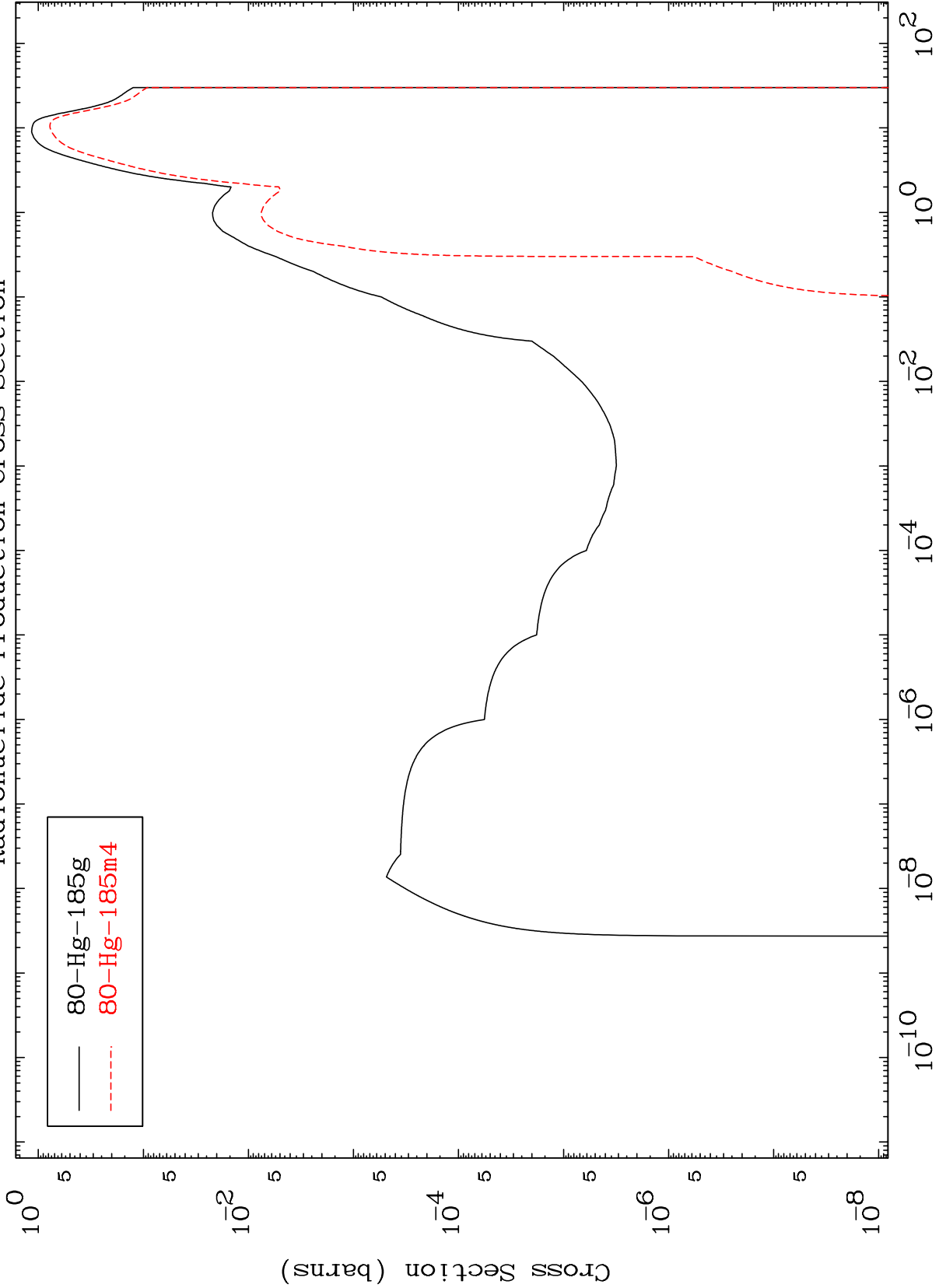
80-Hg-185m



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Inelastic
Radionuclide Production Cross Section

80-Hg-185m



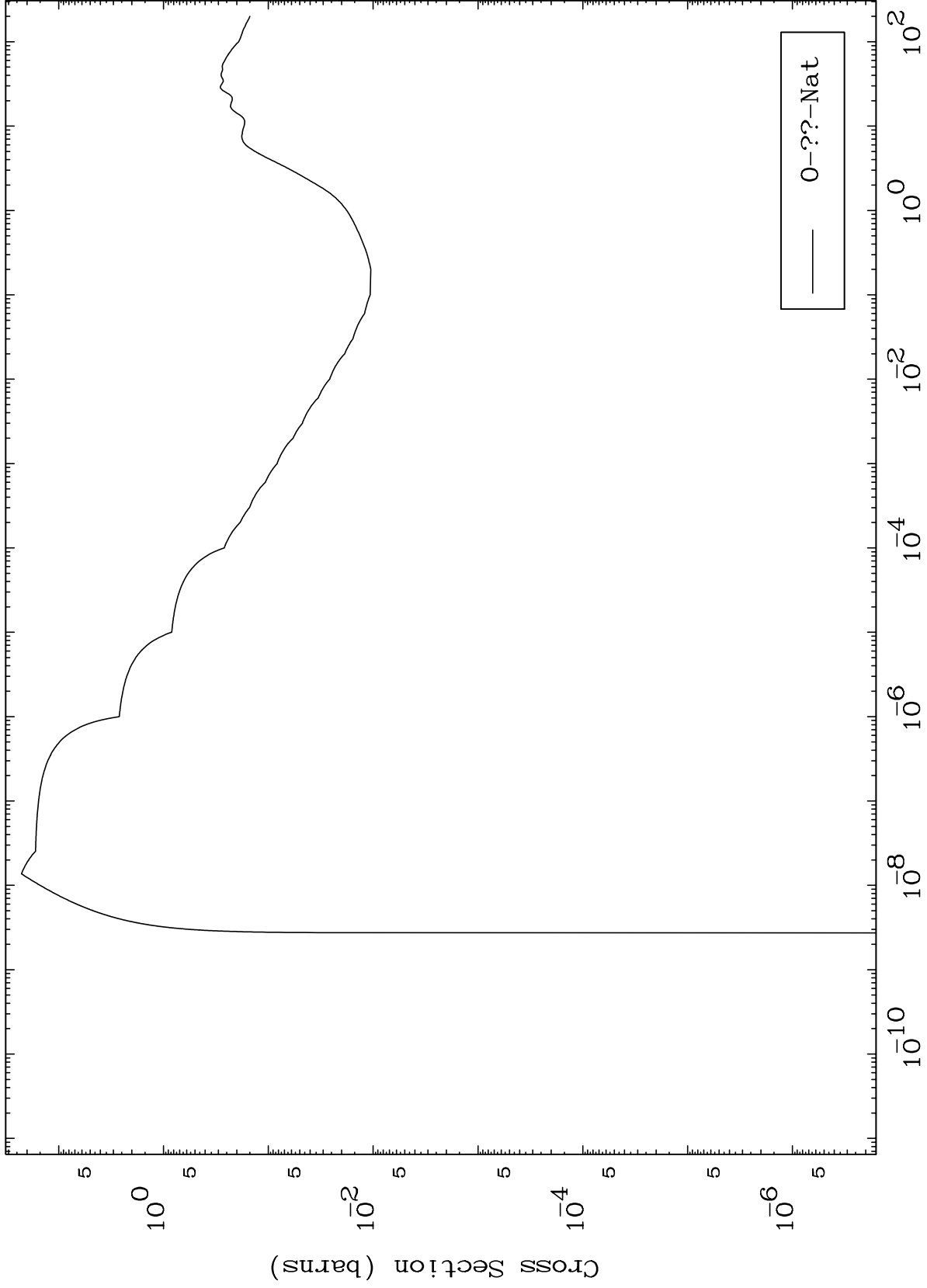
80-Hg-185m

MAT 7993

Fission

80-Hg-185m

Radionuclide Production Cross Section



20

Incident Energy (MeV)

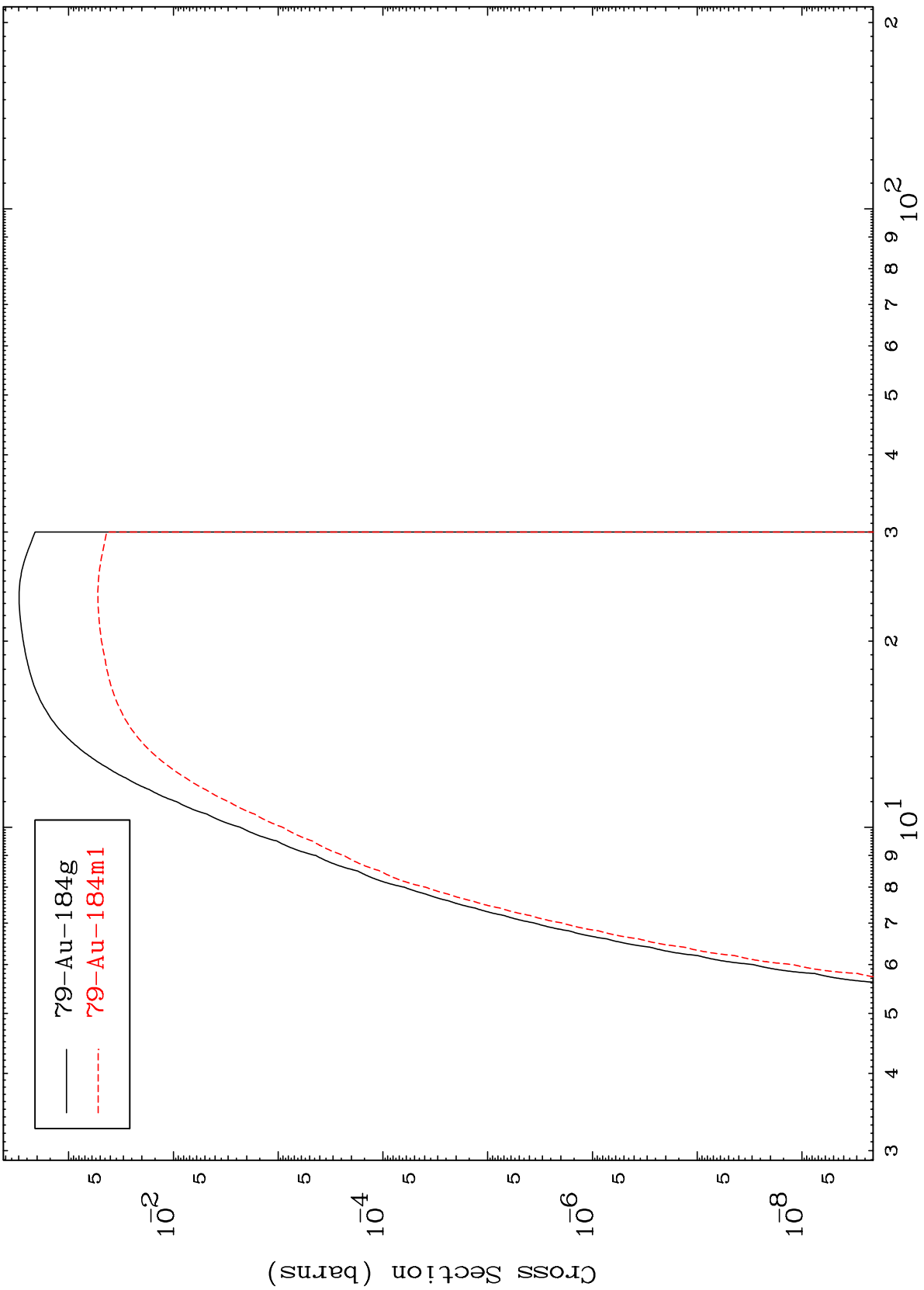
80-Hg-185m

MAT 7993

(n,n') p

80-Hg-185m

Radionuclide Production Cross Section

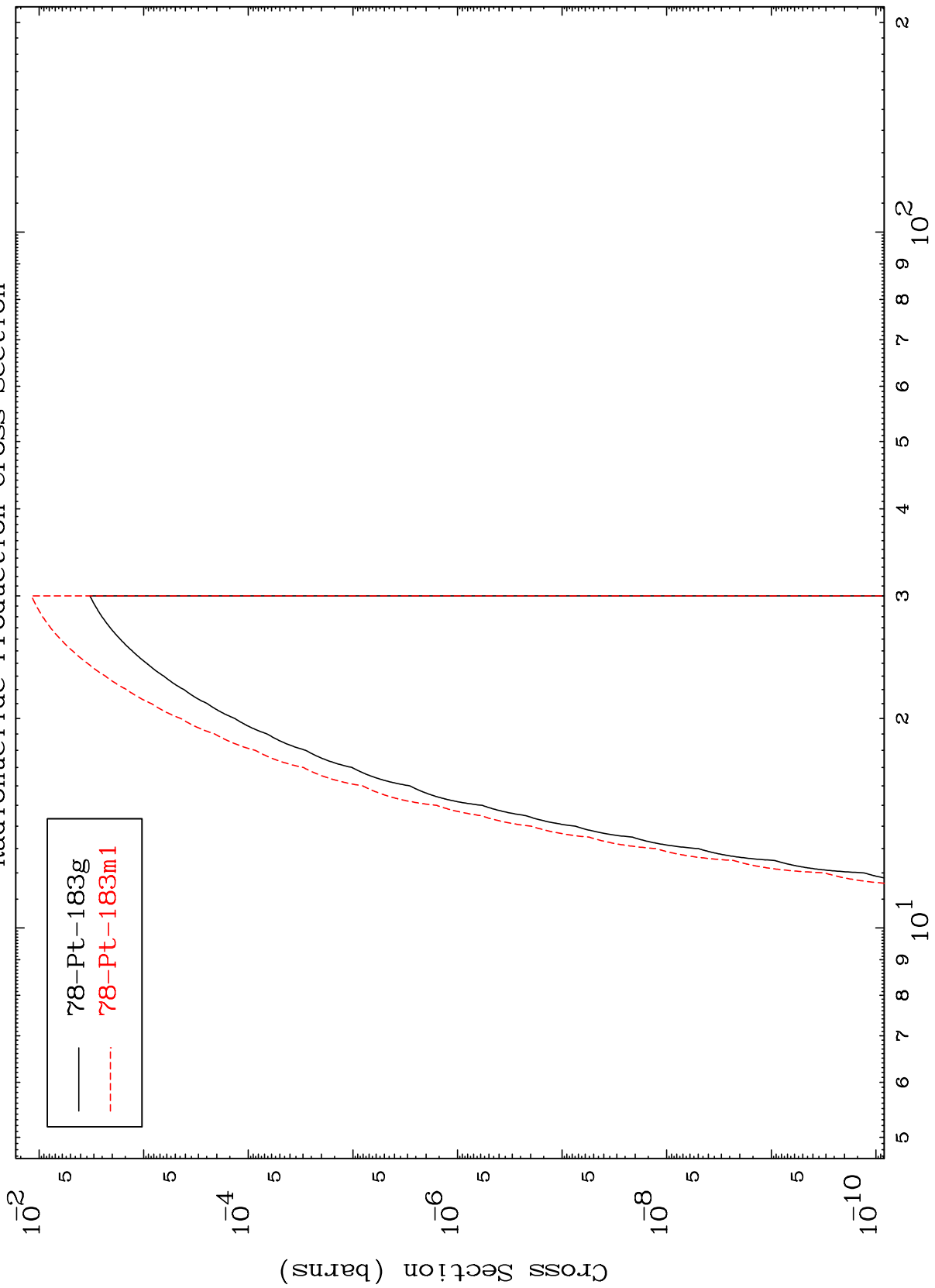


MAT 7993

(n,2n) p

80-Hg-185m

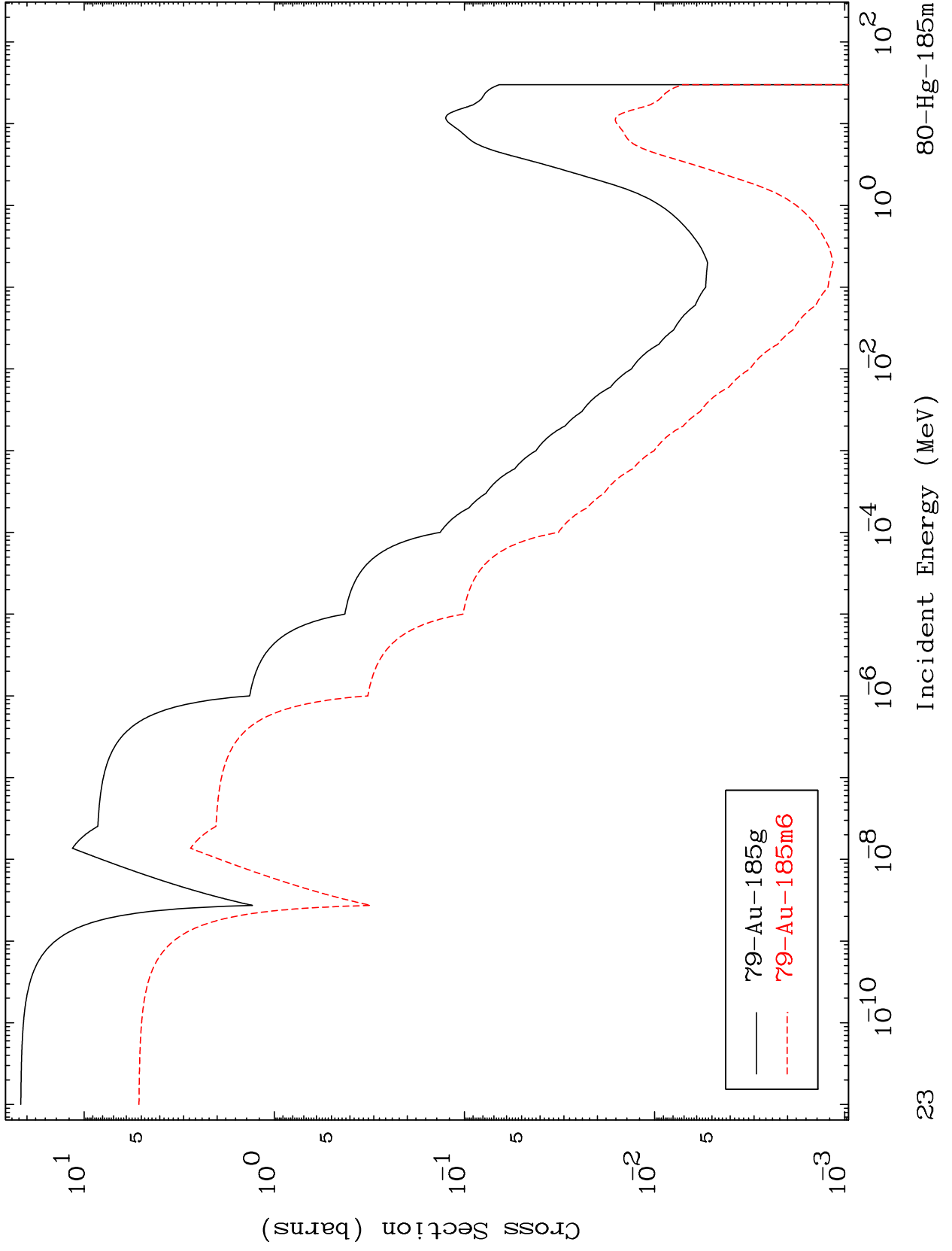
Radionuclide Production Cross Section



MAT 7993

80-Hg-185m

(n,p)
Radionuclide Production Cross Section

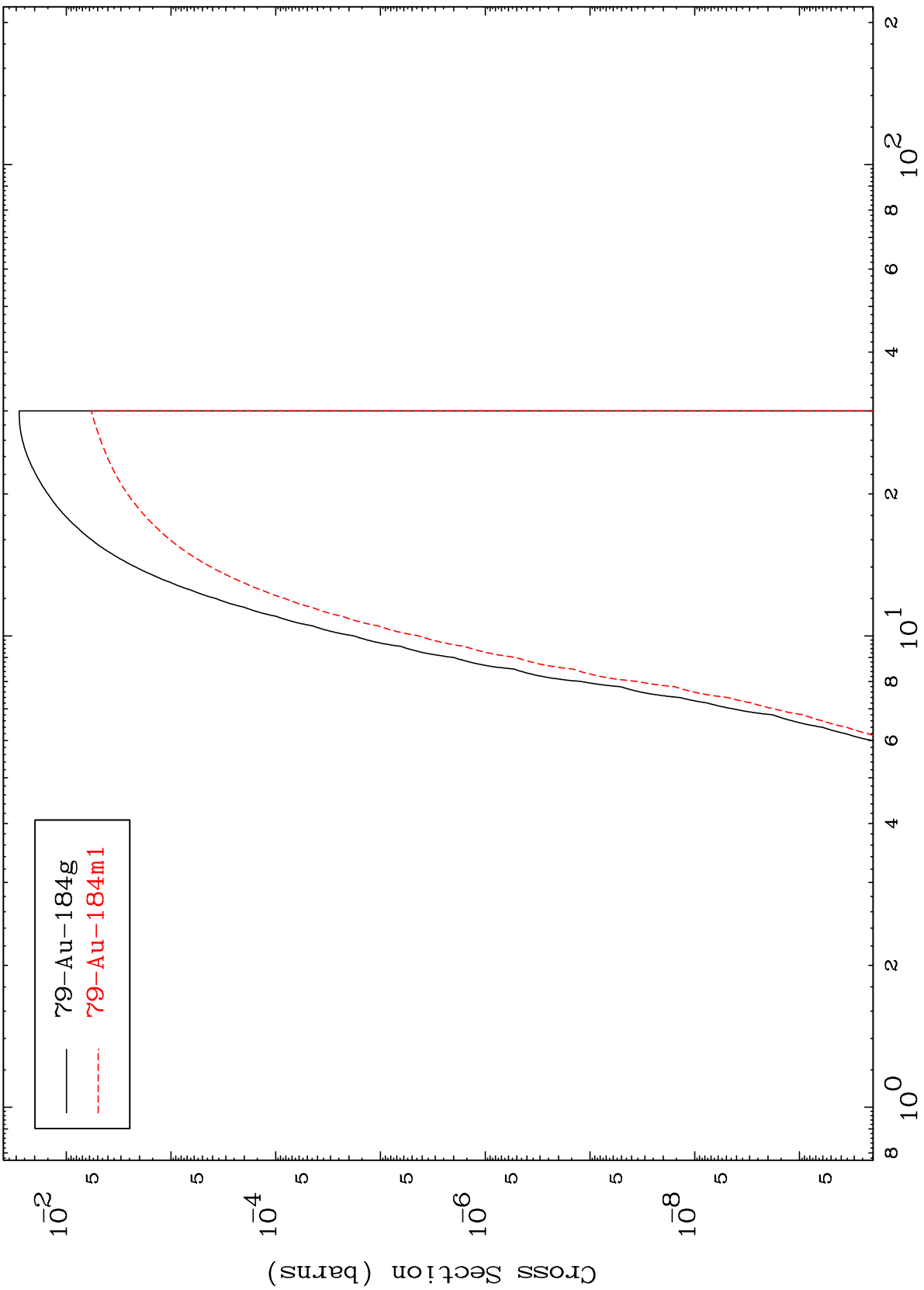


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(n,d)

80-Hg-185m

Radionuclide Production Cross Section



79-Au-184g
79-Au-184m1

24

Incident Energy (MeV)

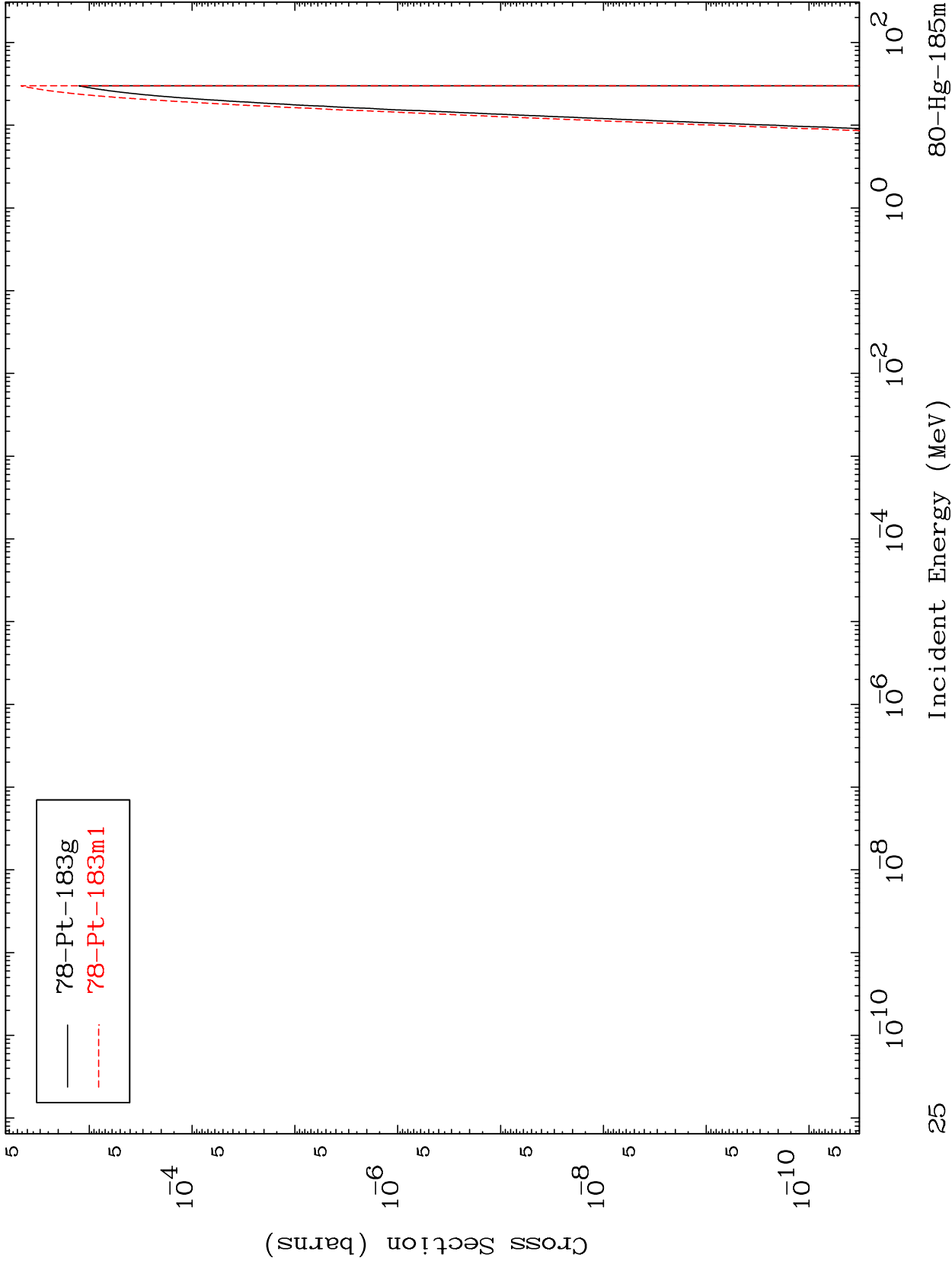
80-Hg-185m

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(n,He-3)

80-Hg-185m

Radionuclide Production Cross Section



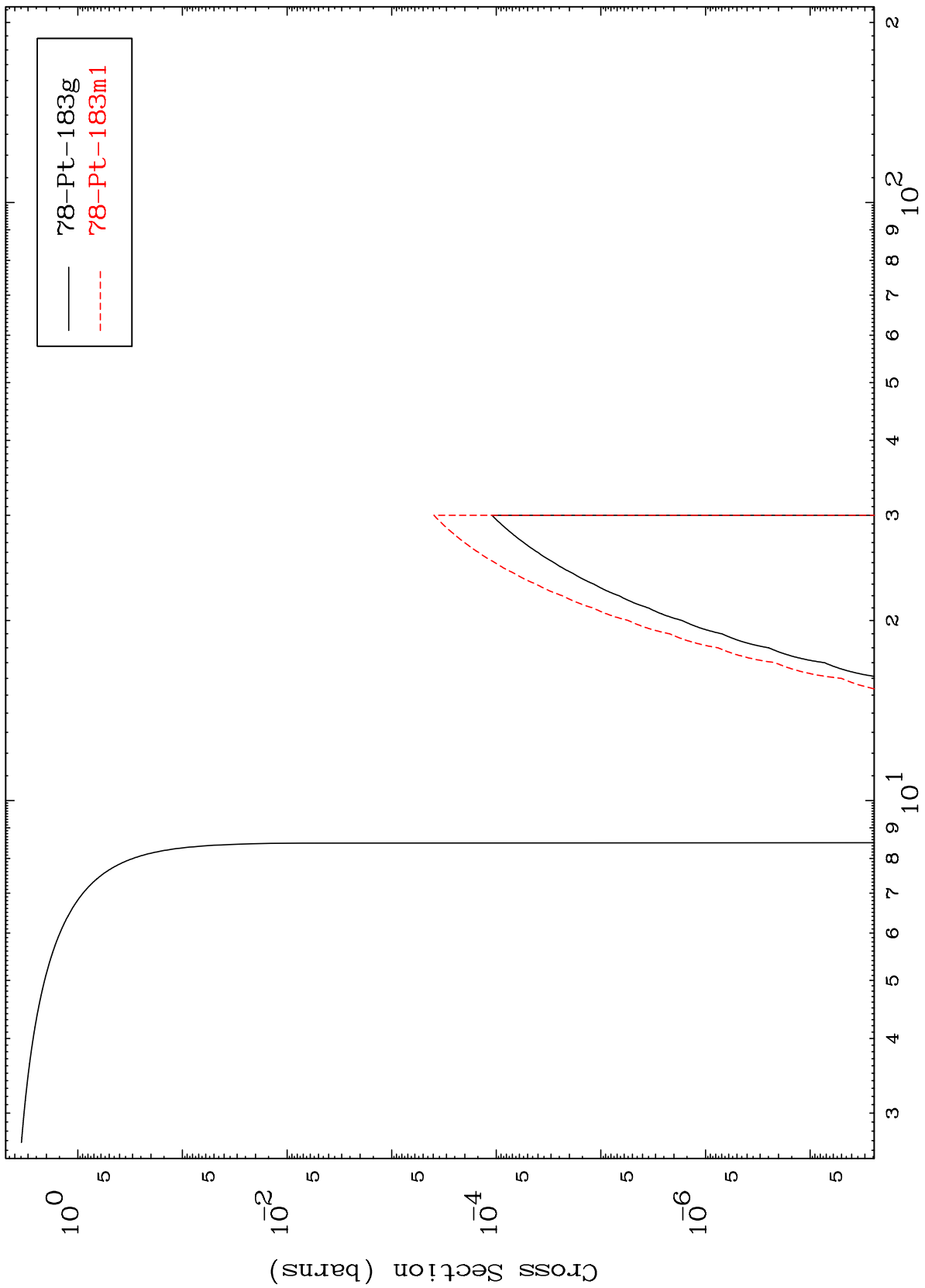
78-Pt-183g
78-Pt-183m1

MAT 7993

(n,p) d

80-Hg-185m

Radionuclide Production Cross Section



26

Incident Energy (MeV)

80-Hg-185m