

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

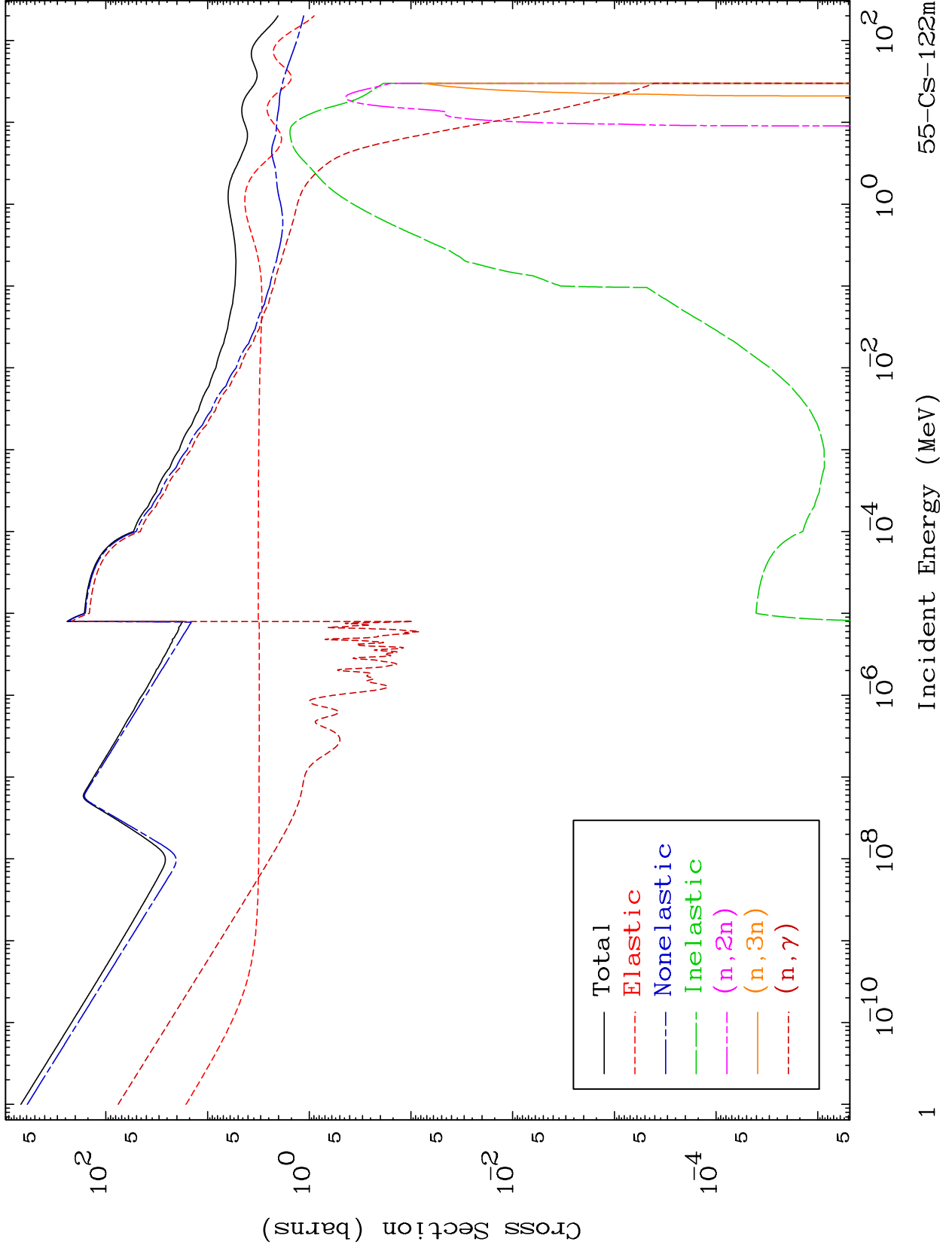
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5493

Neutron Major
293 Kelvin Cross Sections

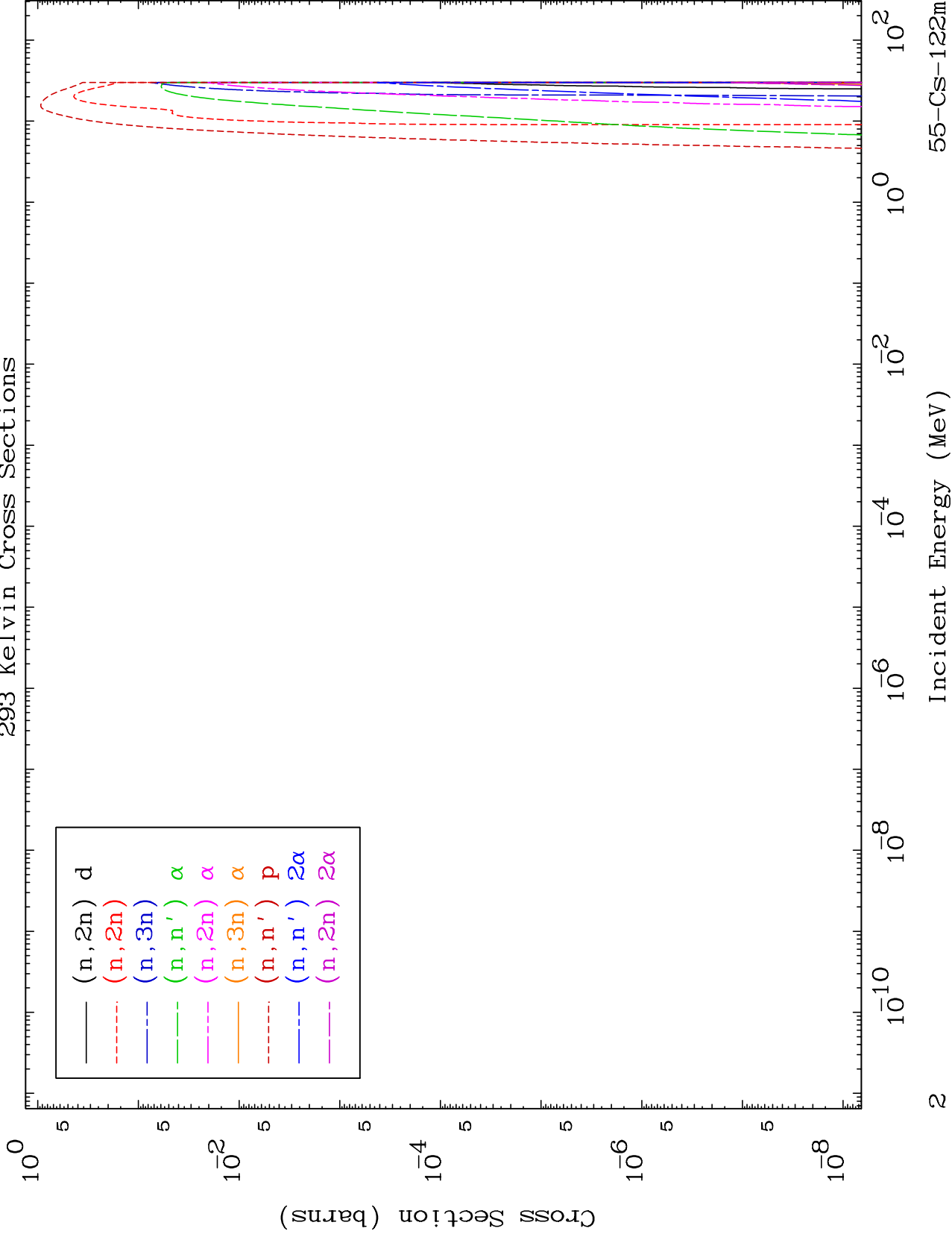
55-Cs-122m



MAT 5493

Neutron Absorption
293 Kelvin Cross Sections

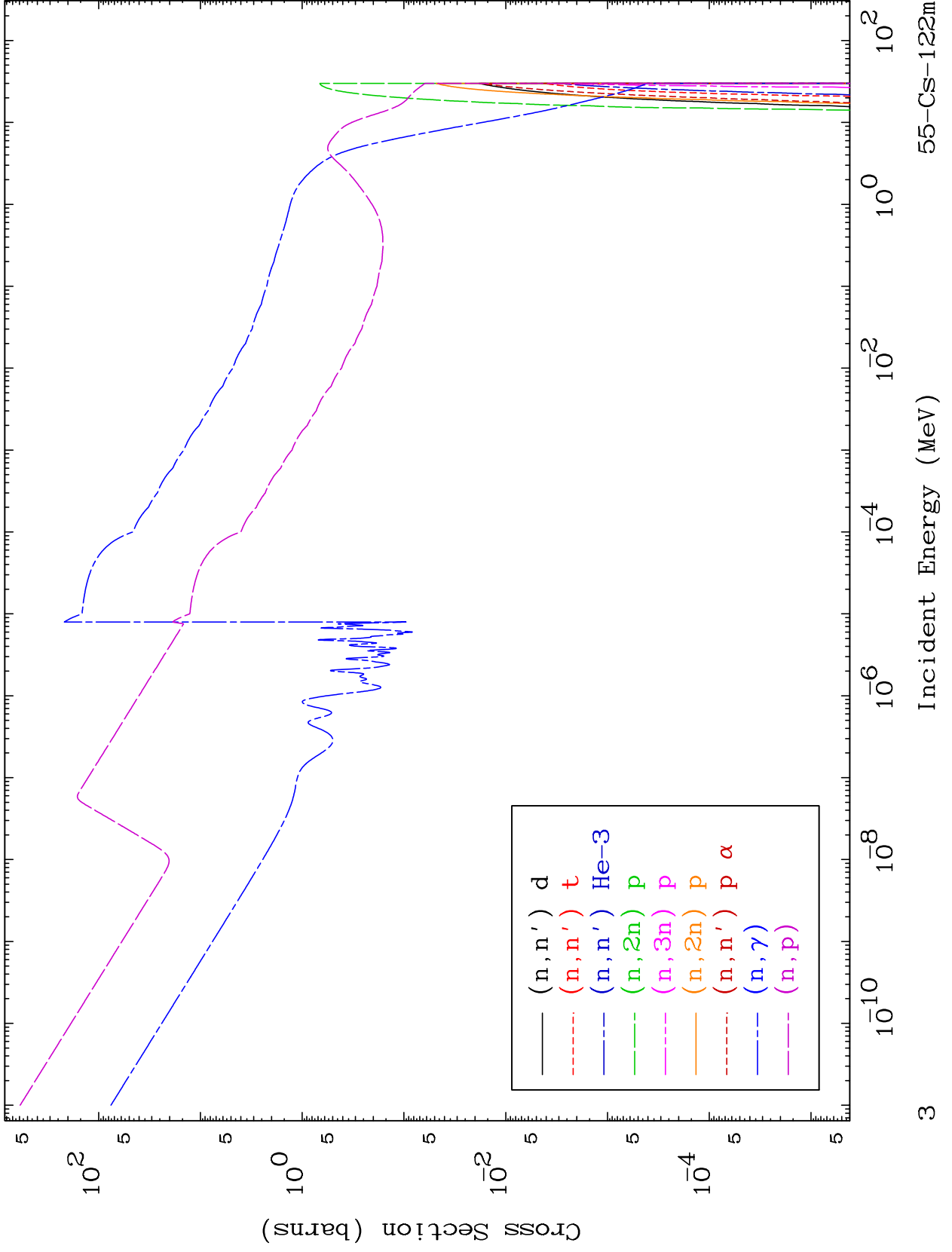
55-Cs-122m



MAT 5493

Neutron Absorption
293 Kelvin Cross Sections

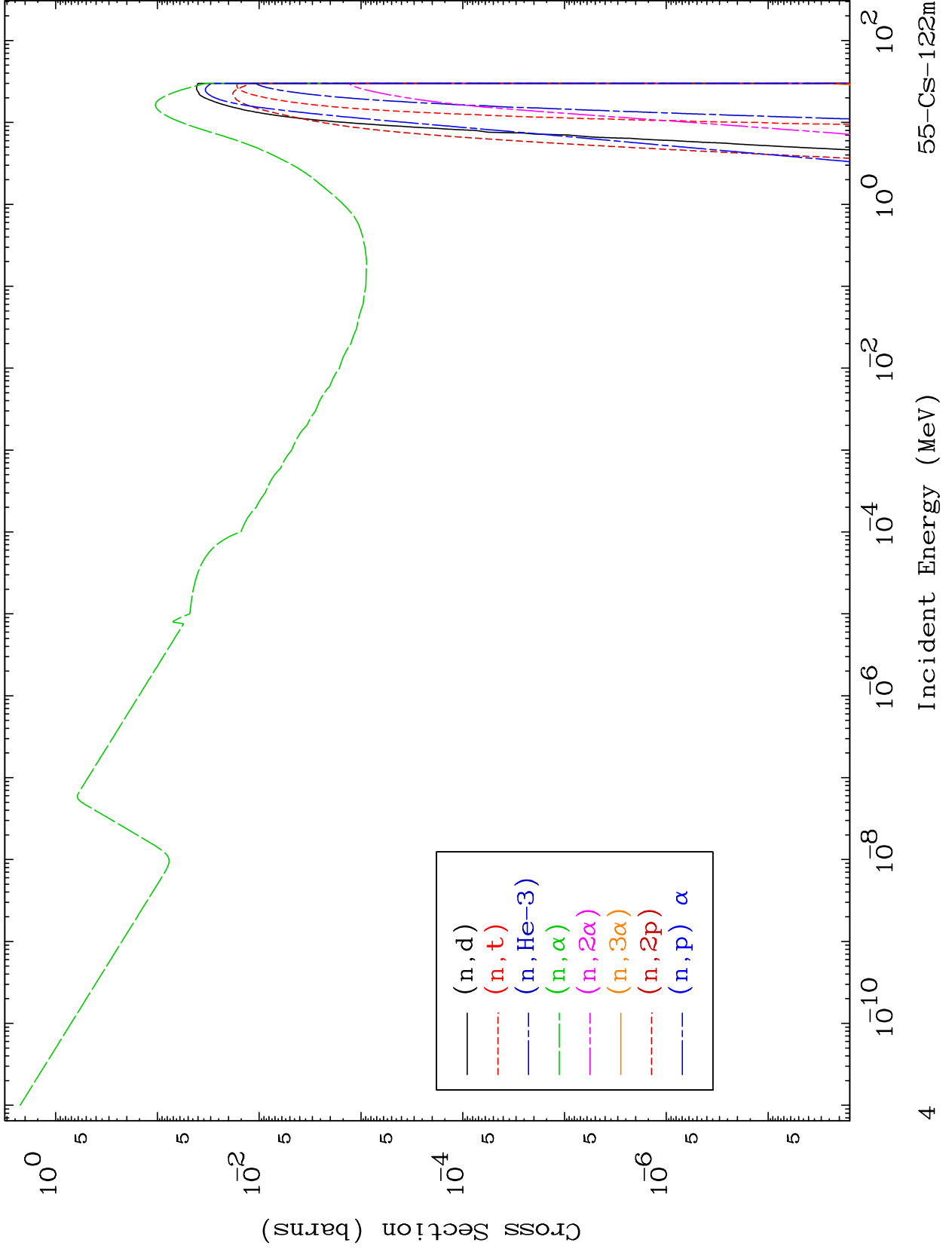
55-Cs-122m

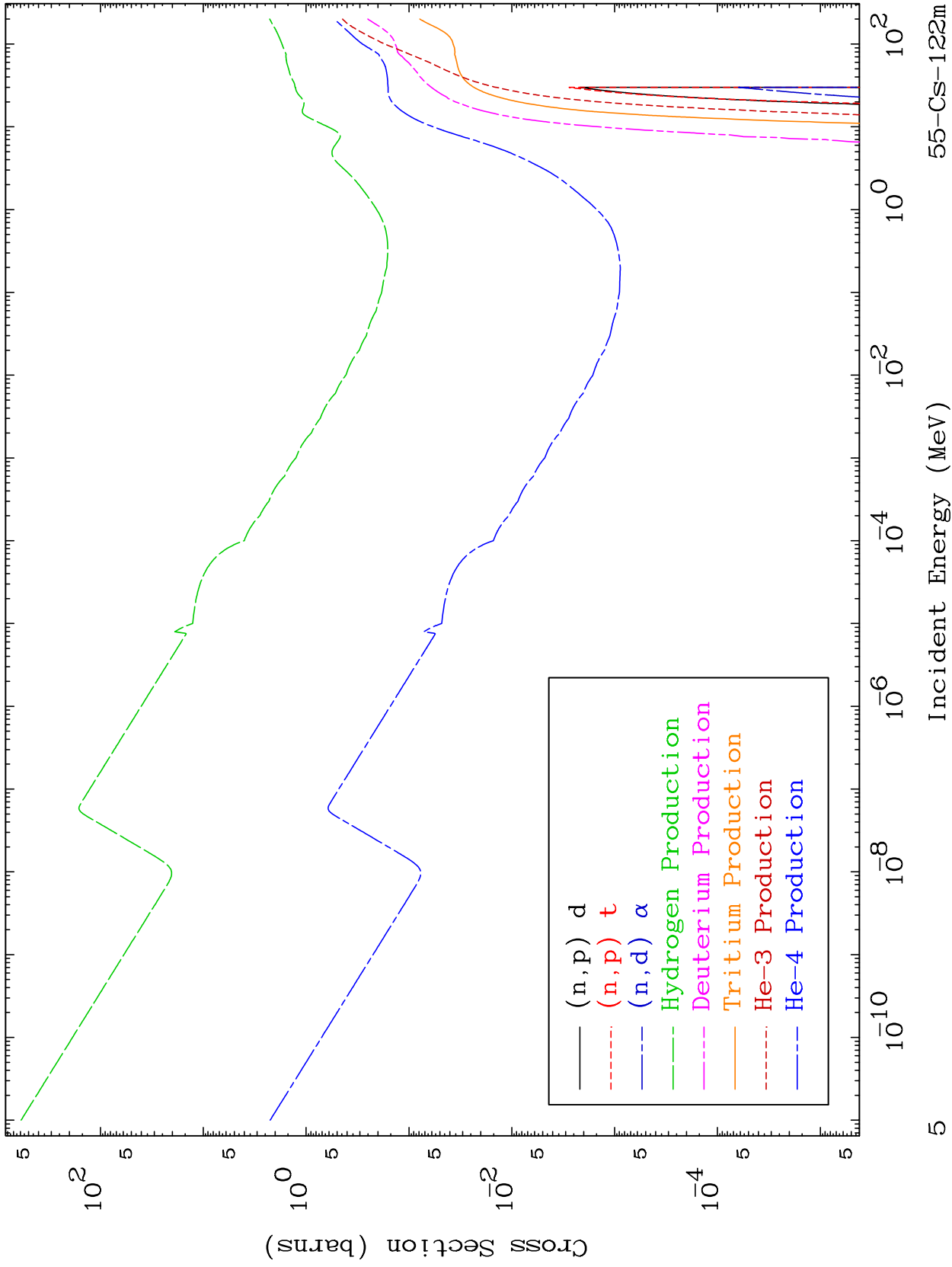


MAT 5493

Neutron Absorption
293 Kelvin Cross Sections

55-Cs-122m

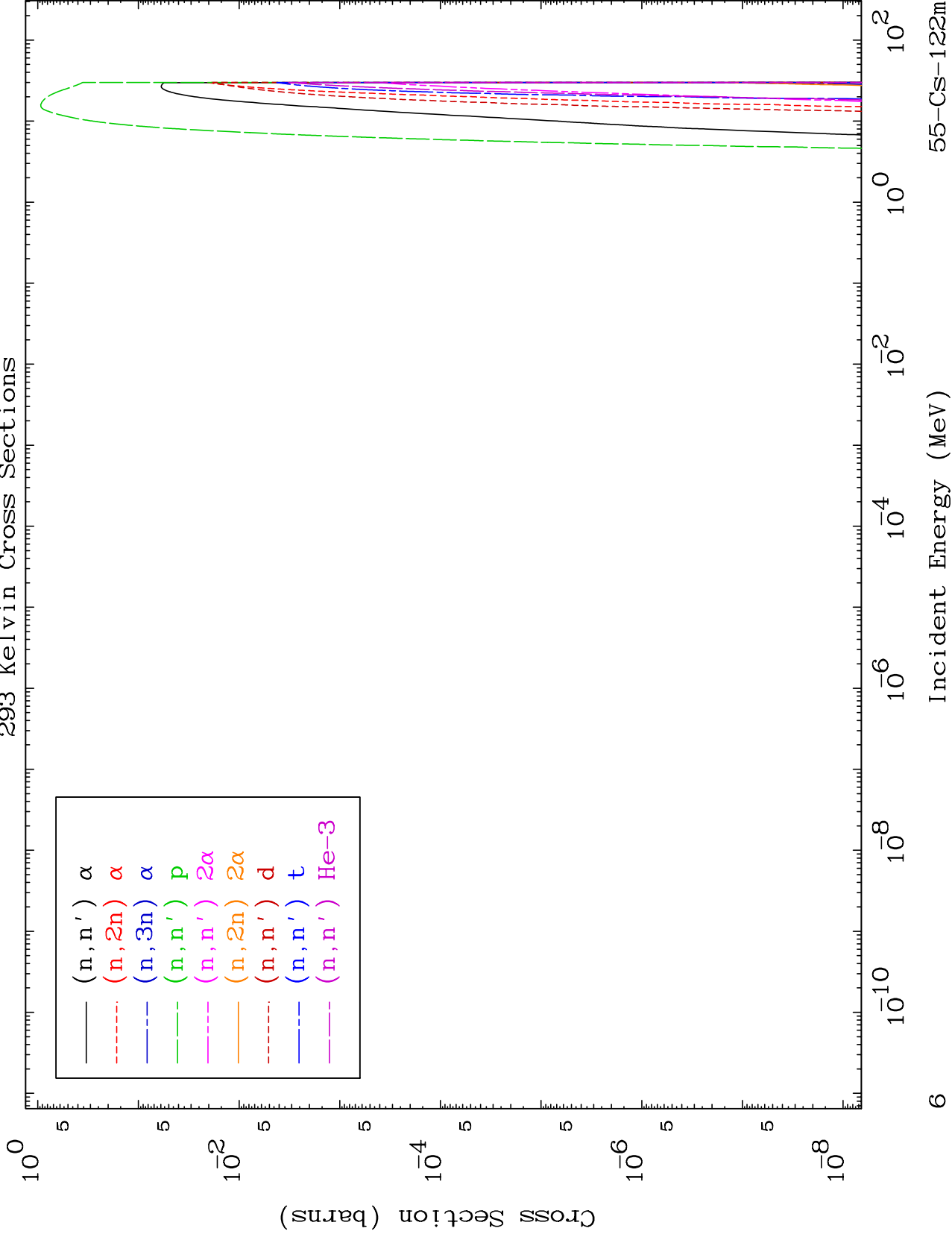




MAT 5493

Charged Particle
293 Kelvin Cross Sections

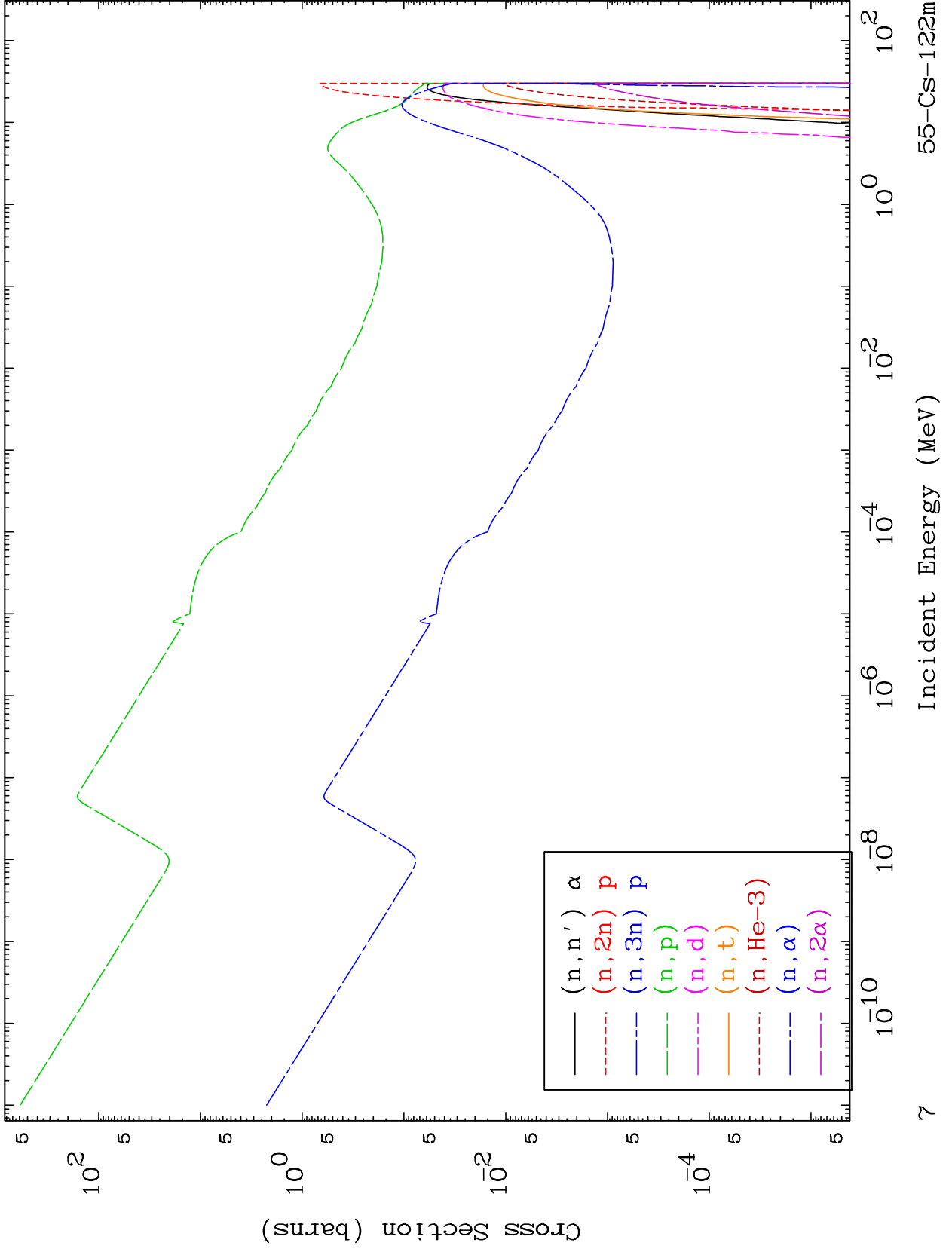
55-Cs-122m



MAT 5493

Charged Particle
293 Kelvin Cross Sections

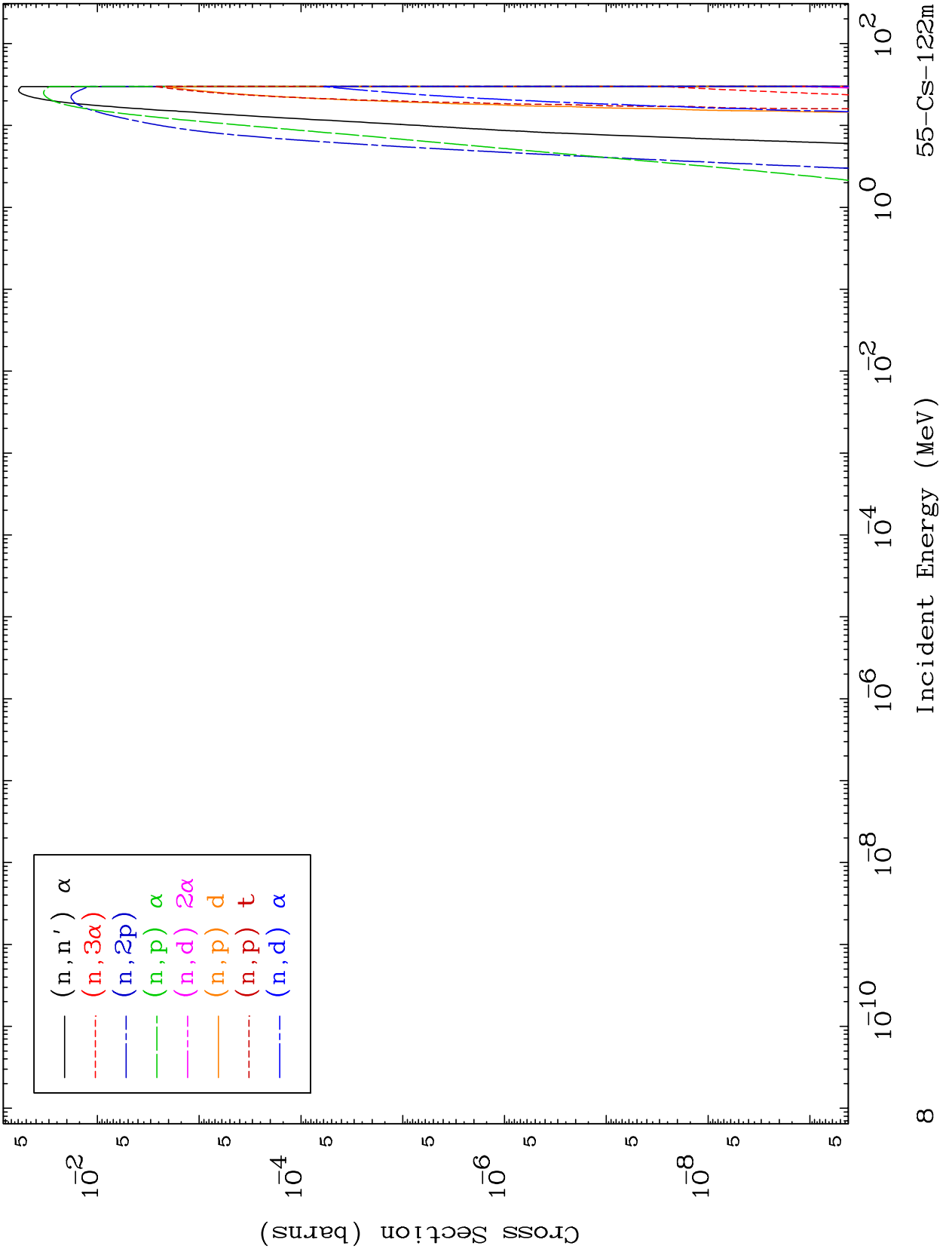
55-Cs-122m



MAT 5493

Charged Particle
293 Kelvin Cross Sections

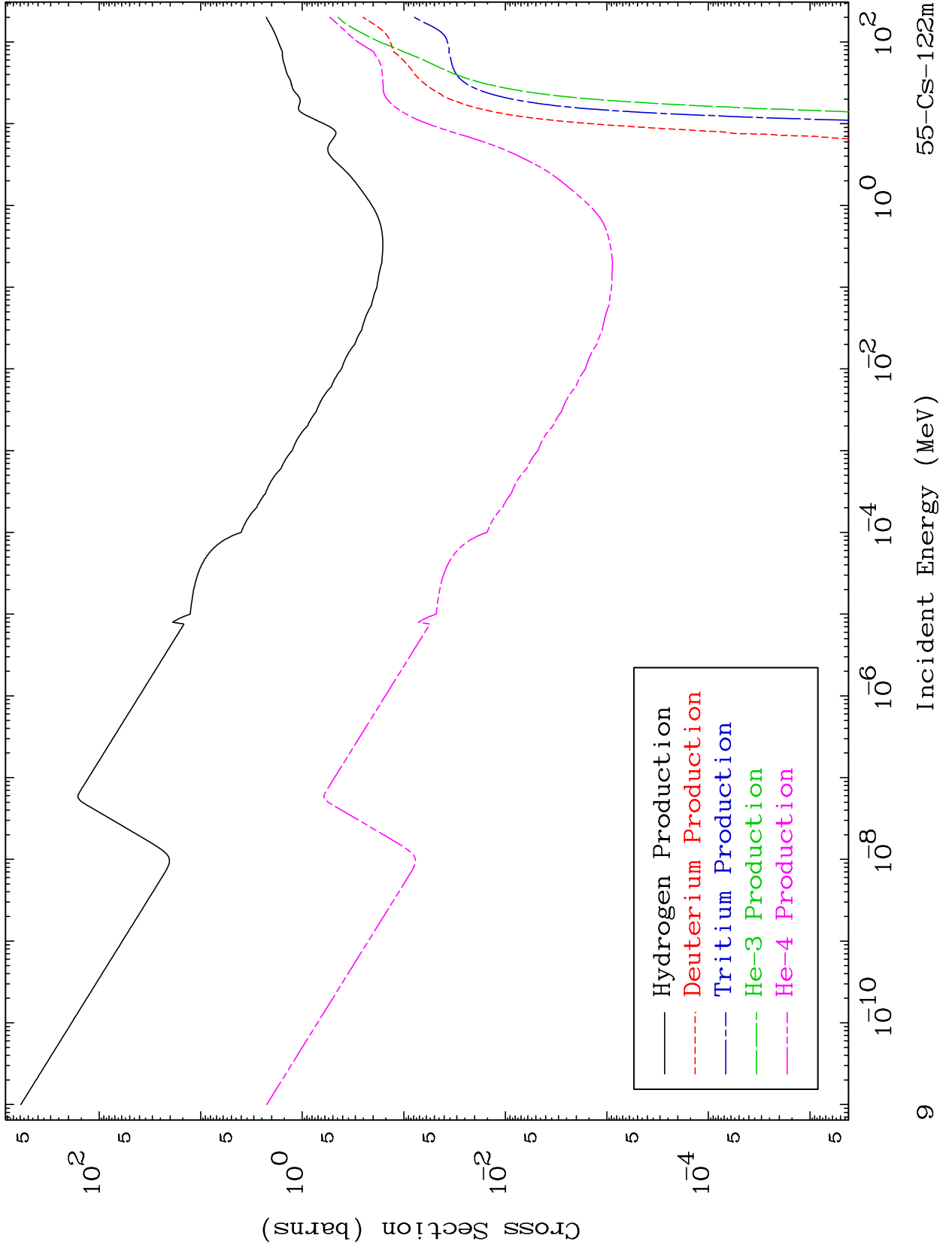
55-Cs-122m



MAT 5493

Particle Production
293 Kelvin Cross Sections

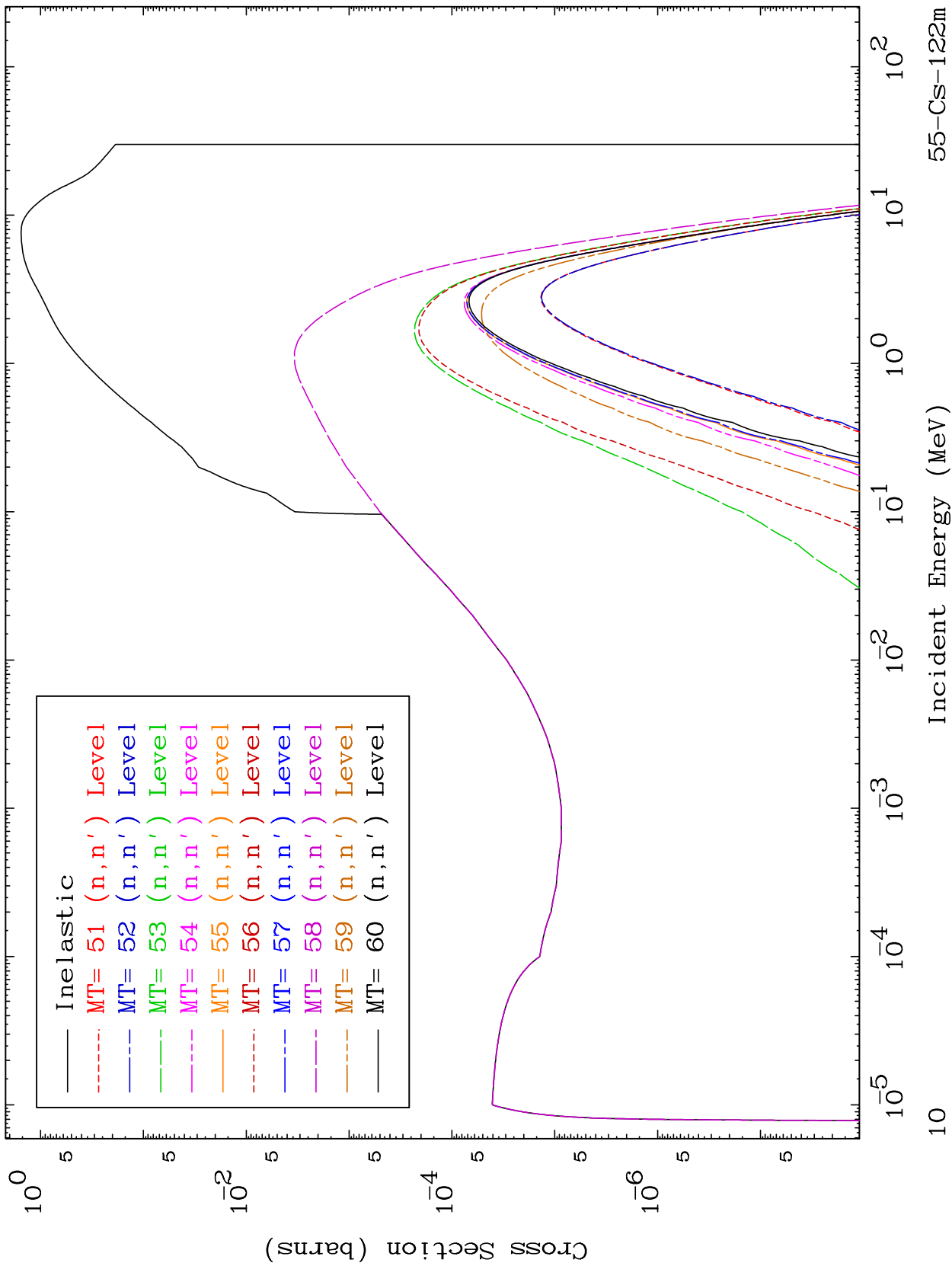
55-Cs-122m



MAT 5493

(n,n') Levels
293 Kelvin Cross Sections

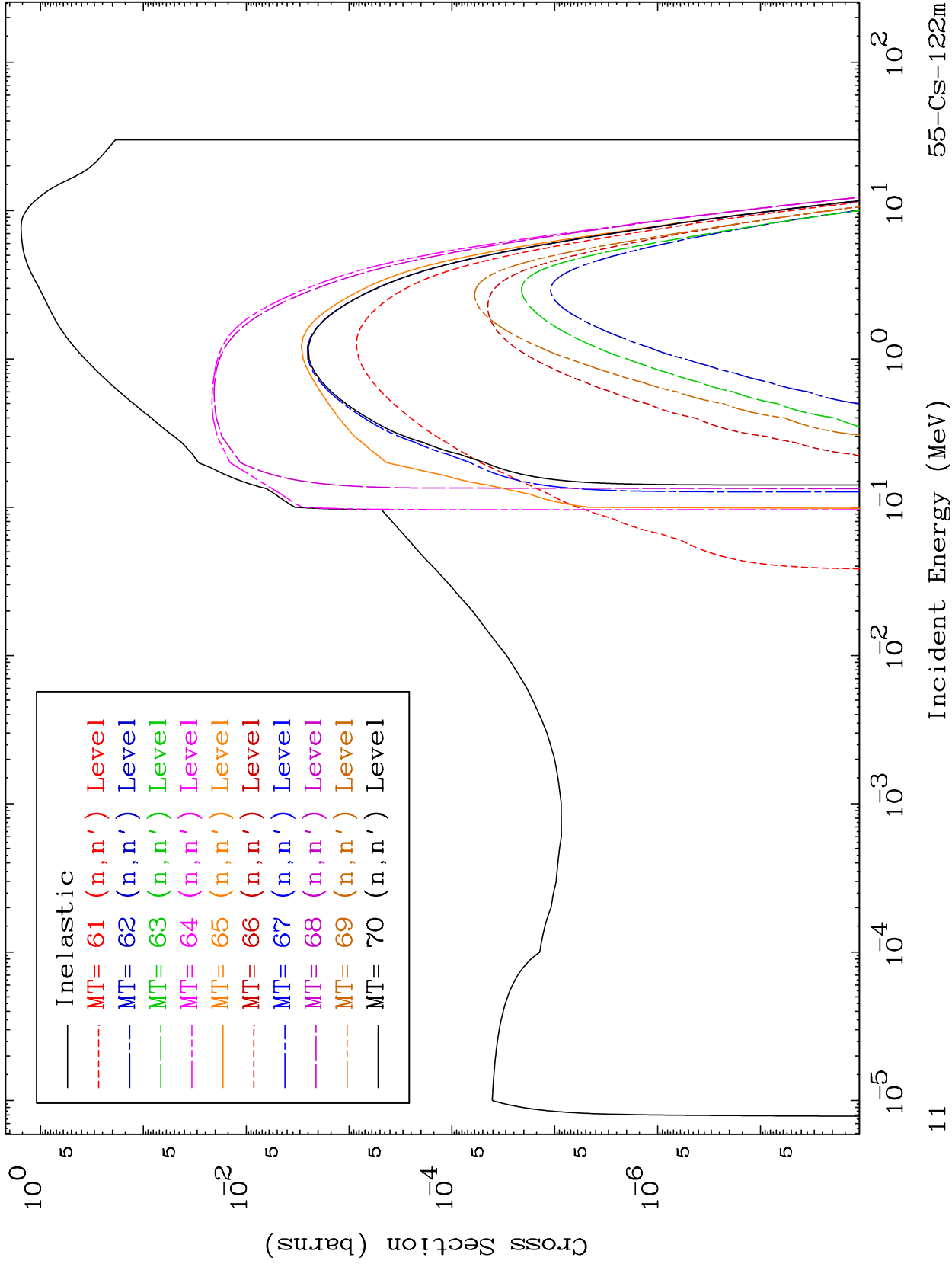
55-Cs-122m



MAT 5493

(n,n') Levels
293 Kelvin Cross Sections

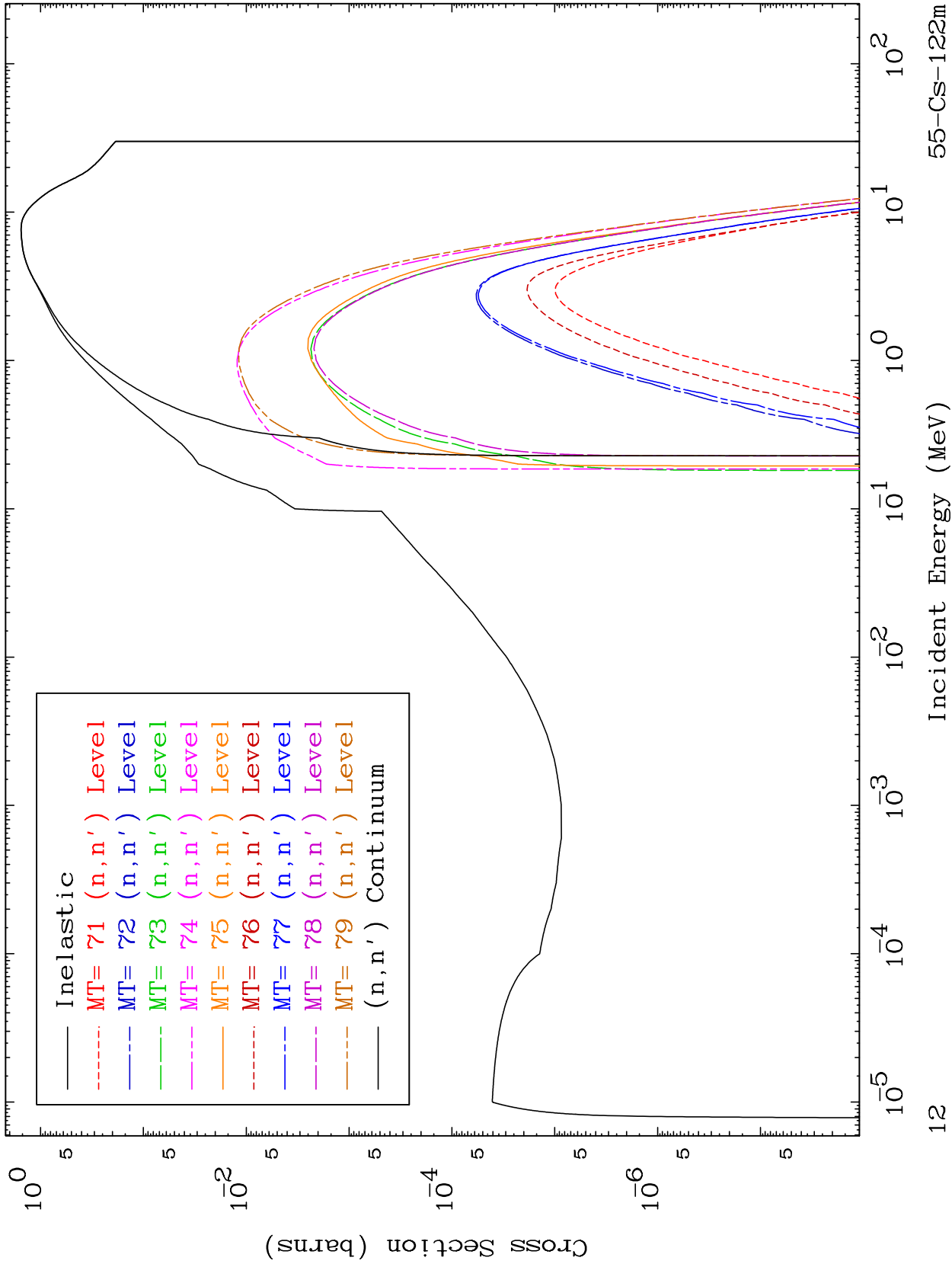
55-Cs-122m



MAT 5493

(n,n') Levels
293 Kelvin Cross Sections

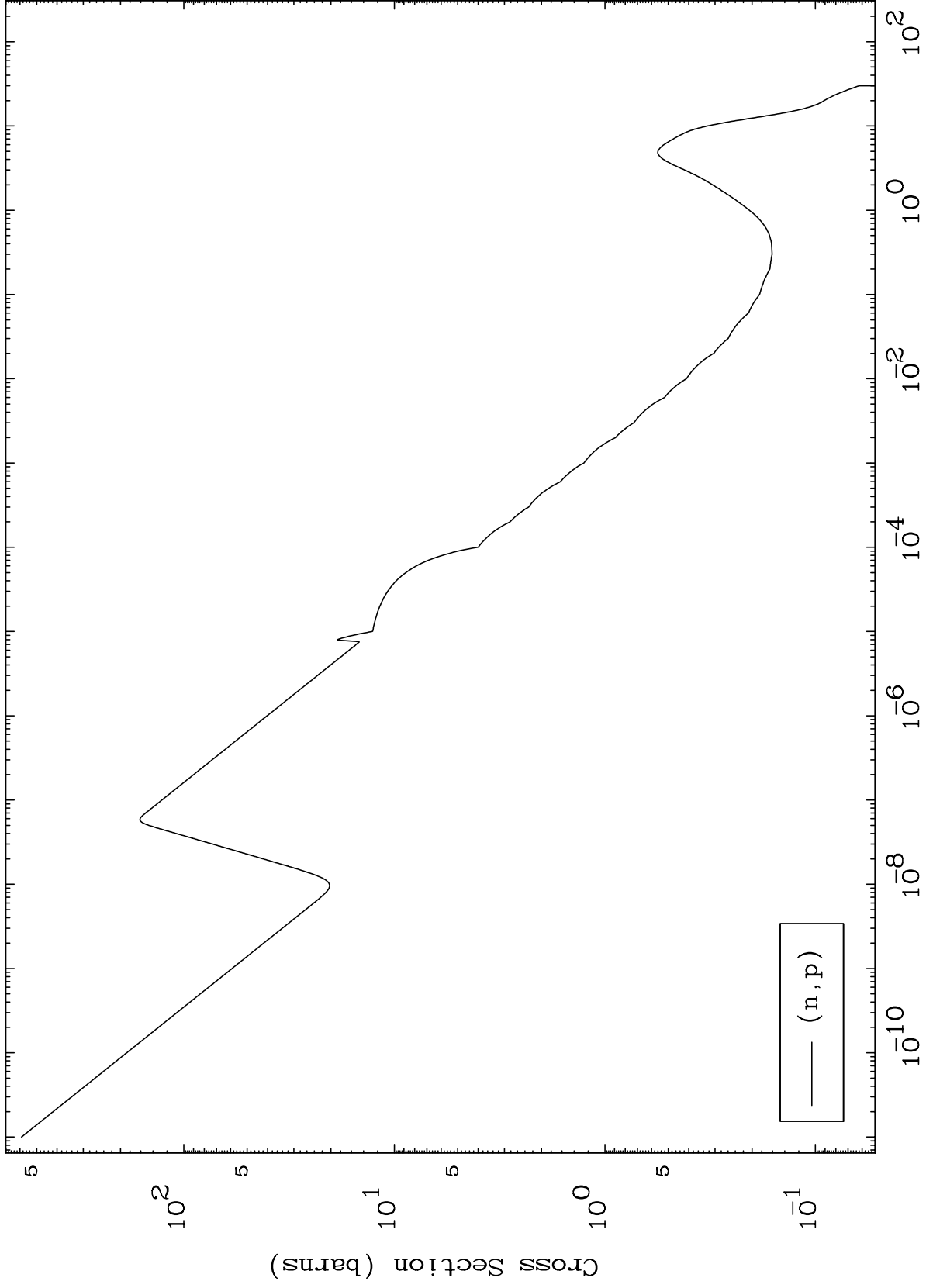
55-Cs-122m



MAT 5493

(n,p) Levels
293 Kelvin Cross Sections

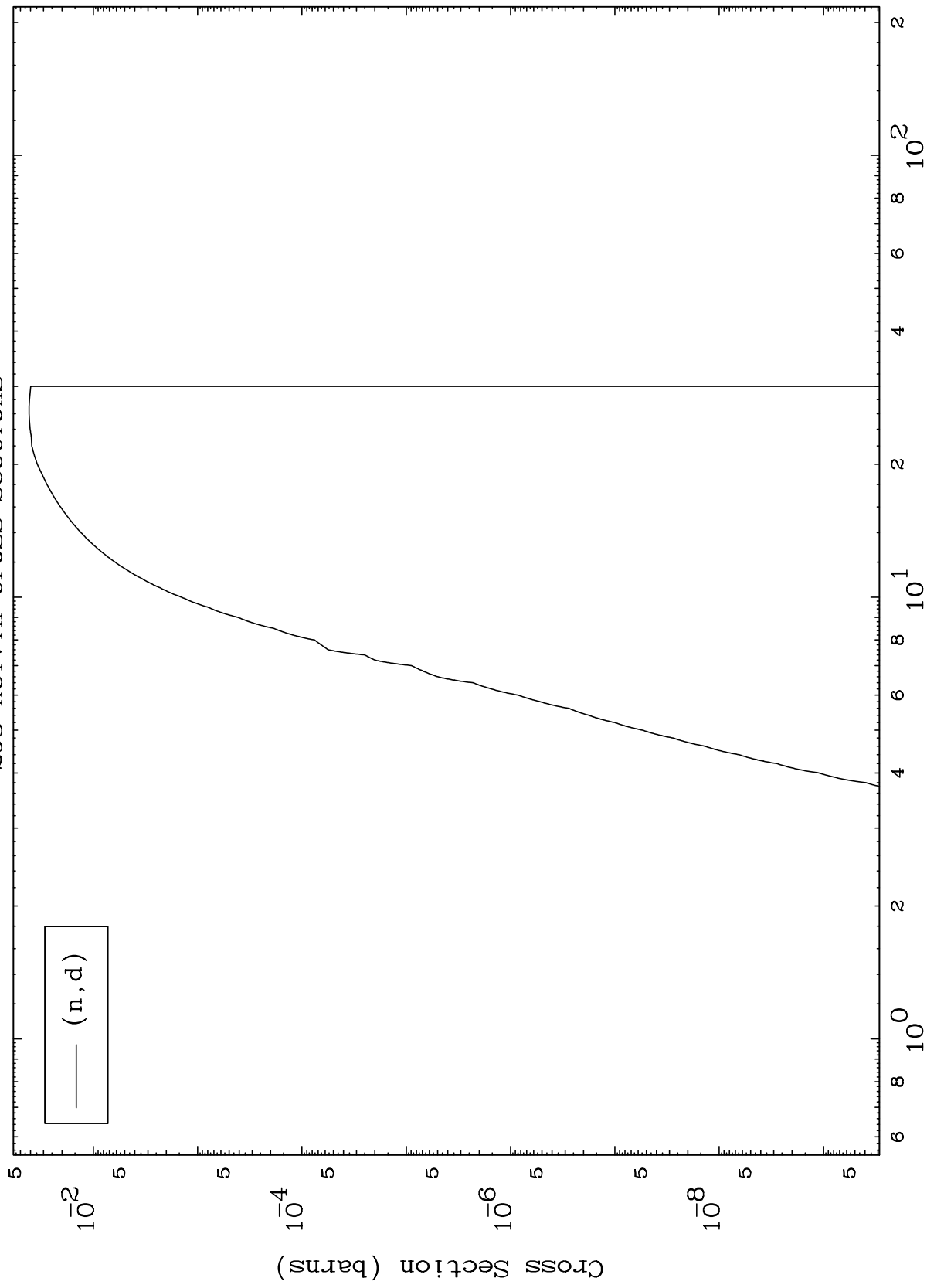
55-Cs-122m



MAT 5493

(n,d) Levels
293 Kelvin Cross Sections

55-Cs-122m



14

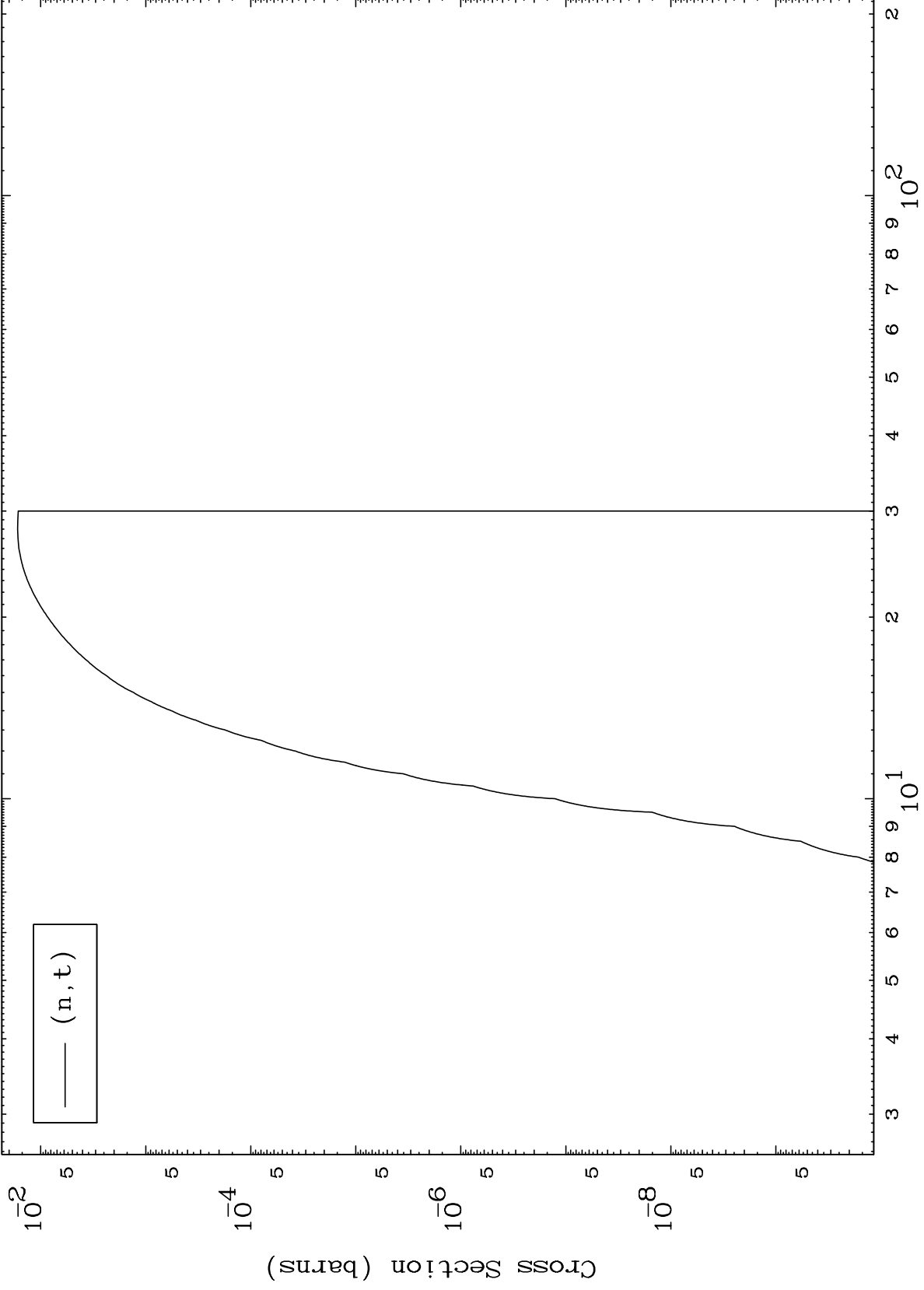
55-Cs-122m

Incident Energy (MeV)

MAT 5493

(n,t) Levels
293 Kelvin Cross Sections

55-Cs-122m



15

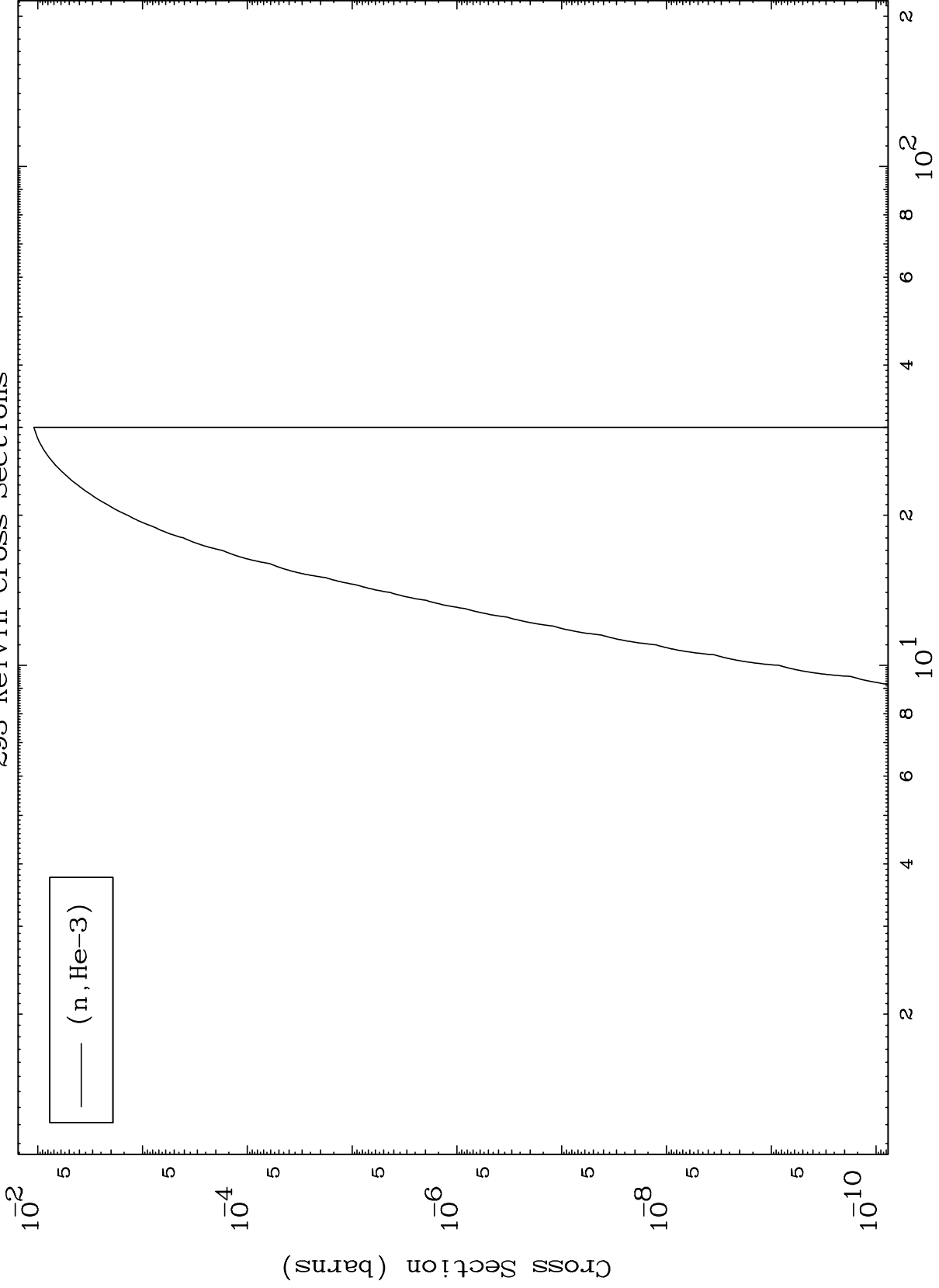
Incident Energy (MeV)

55-Cs-122m

MAT 5493

(n,He3) Levels
293 Kelvin Cross Sections

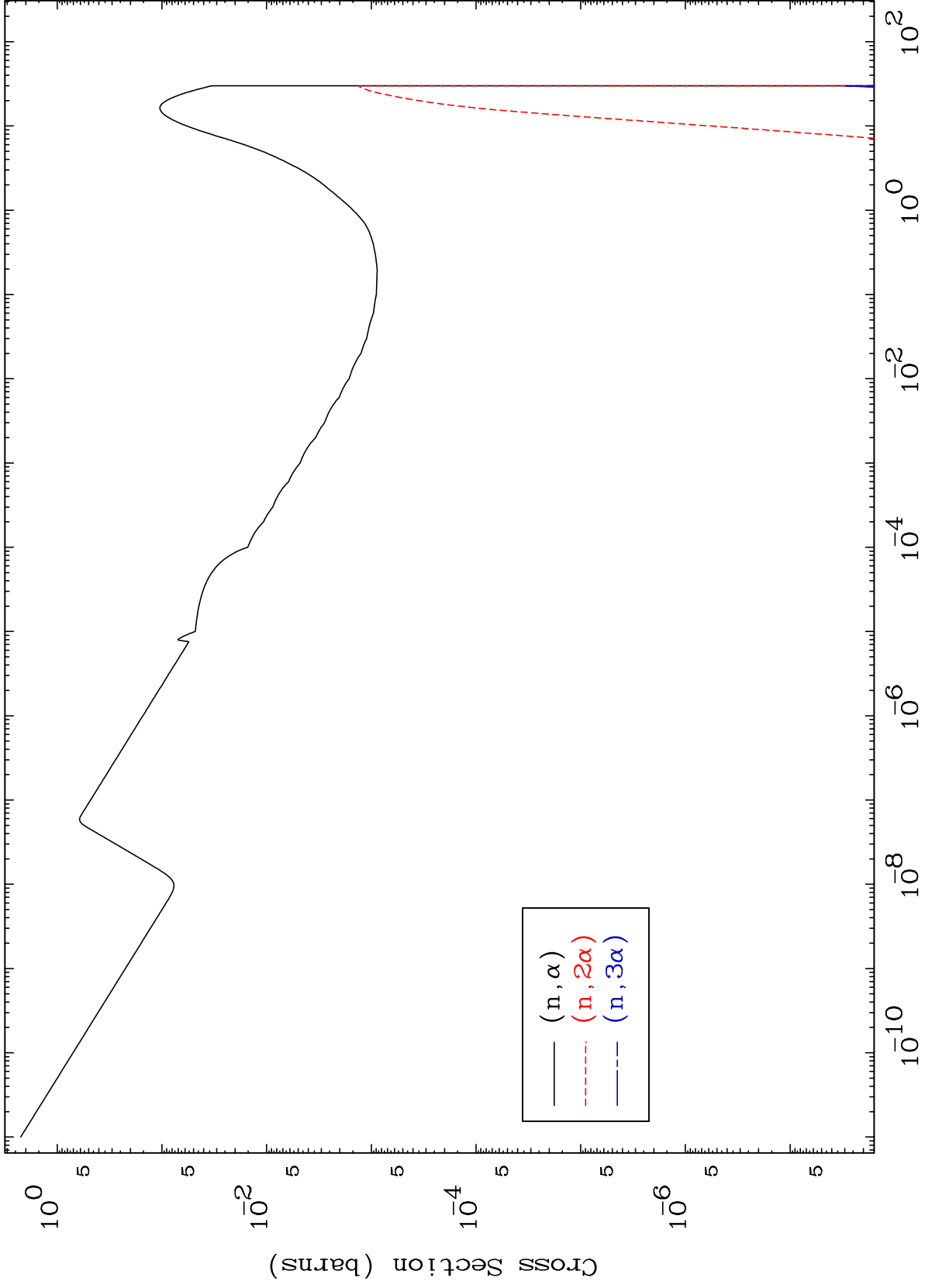
55-Cs-122m



MAT 5493

(n, α) Levels
293 Kelvin Cross Sections

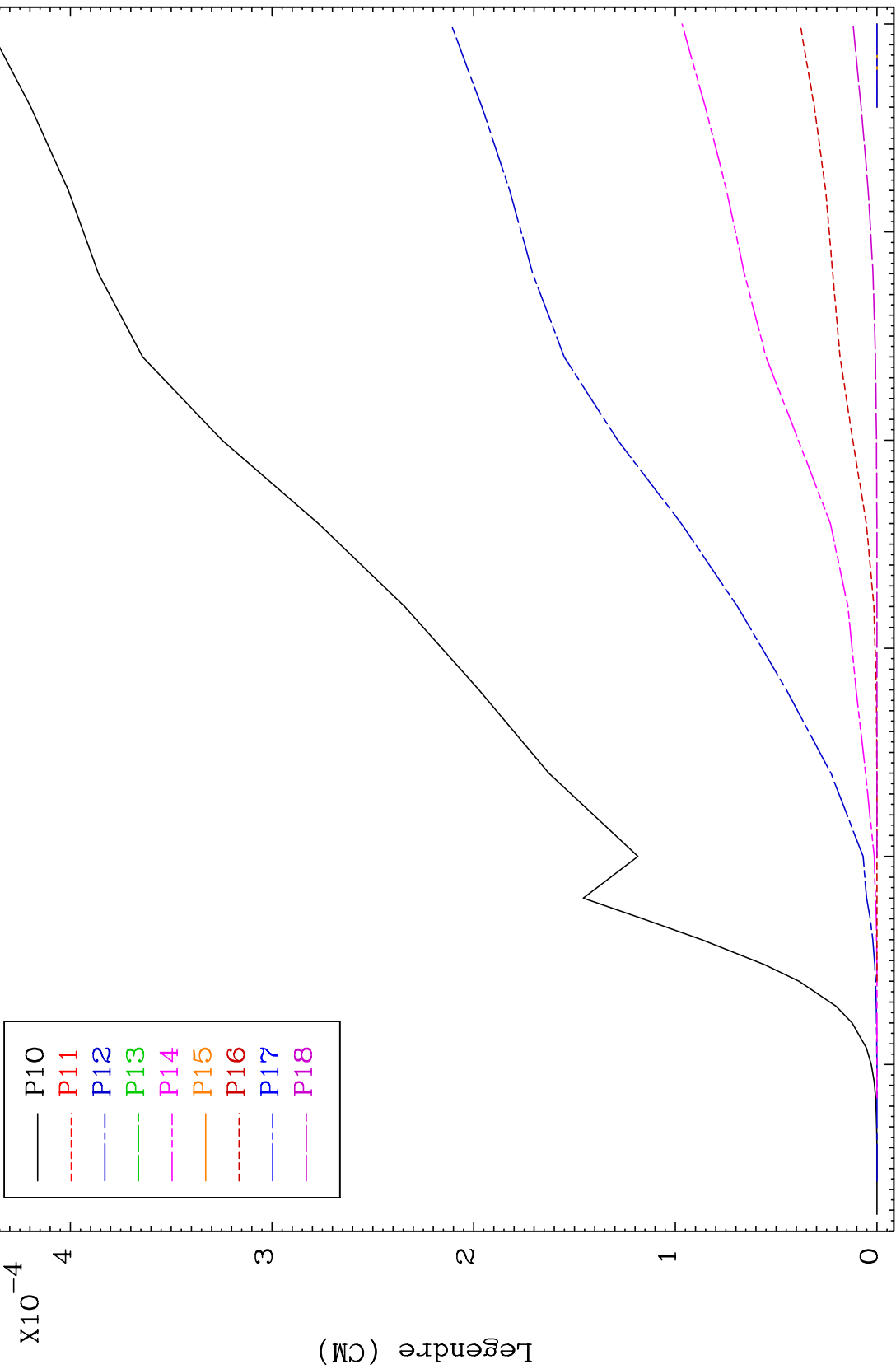
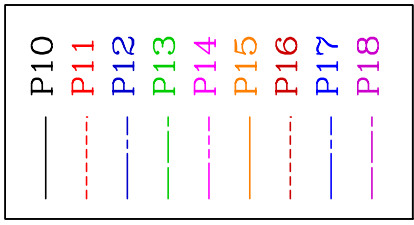
55-Cs-122m



MAT 5493

Elastic Legendre Coefficients

55-Cs-122m



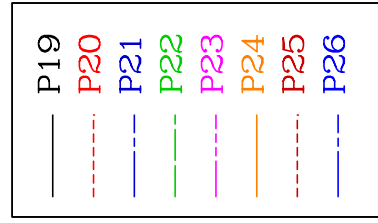
19

55-Cs-122m

MAT 5493

Elastic Legendre Coefficients

55-Cs-122m



$\times 10^{-7}$

6

4

2

0

Legendre (CM)

15

20

25

30

20

Incident Energy (MeV)

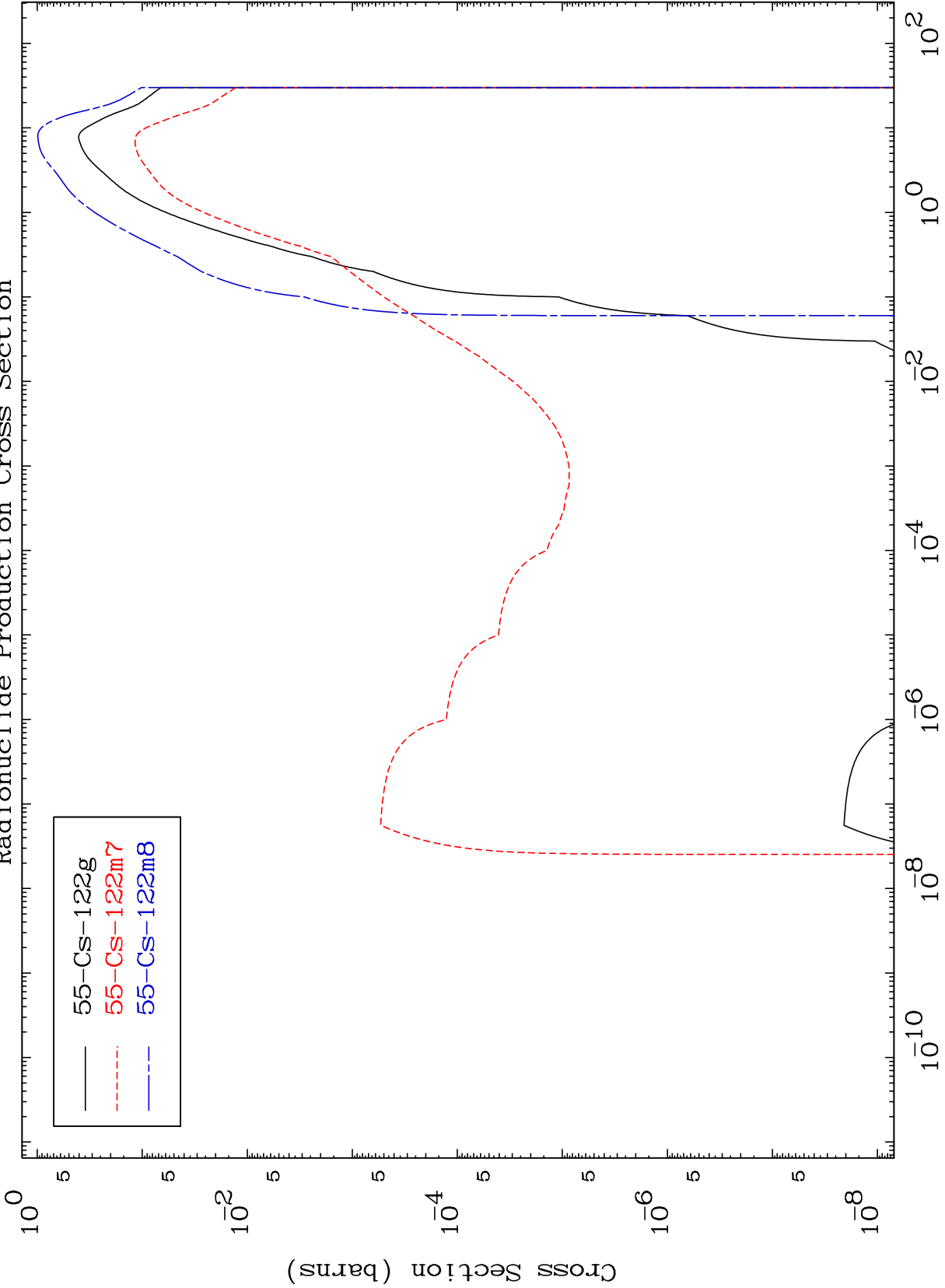
55-Cs-122m



MAT 5493

Inelastic
Radionuclide Production Cross Section

55-Cs-122m



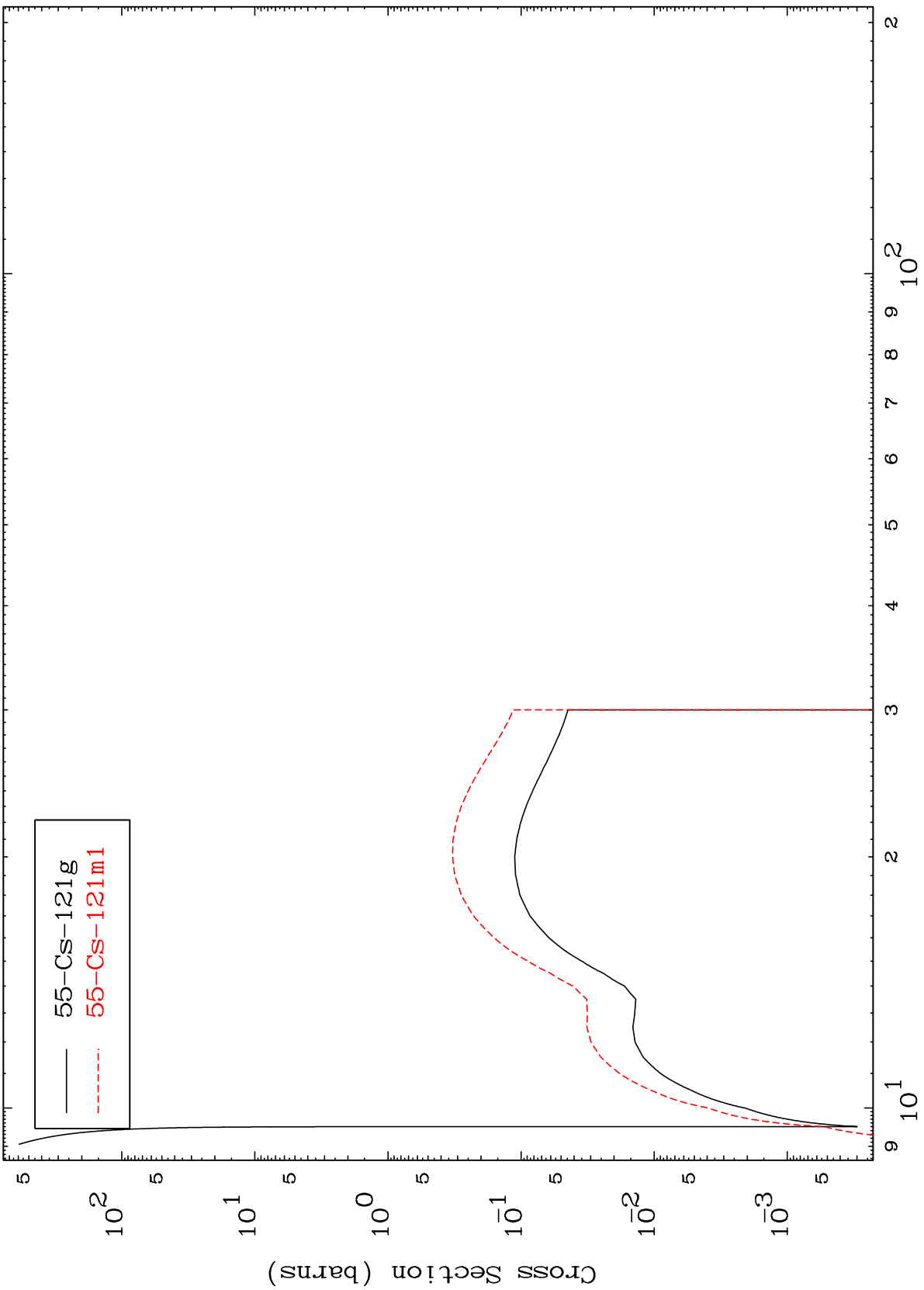
55-Cs-122g
55-Cs-122m7
55-Cs-122m8

55-Cs-122m

MAT 5493

55-Cs-122m

Radionuclide Production Cross Section
(n,2n)



55-Cs-122m

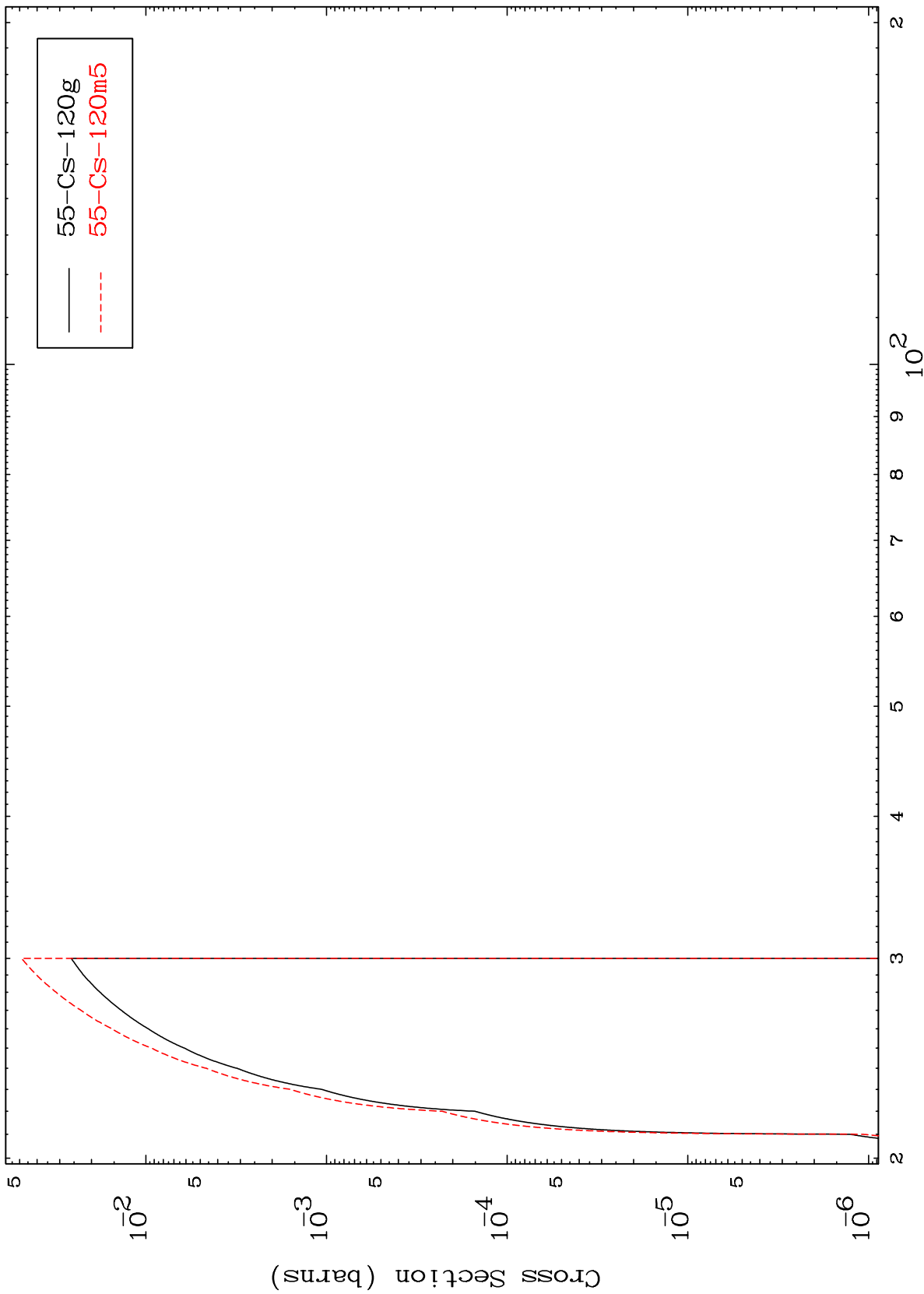
Incident Energy (MeV)

22

MAT 5493

55-Cs-122m

(n,3n)
Radionuclide Production Cross Section



55-Cs-122m

Incident Energy (MeV)

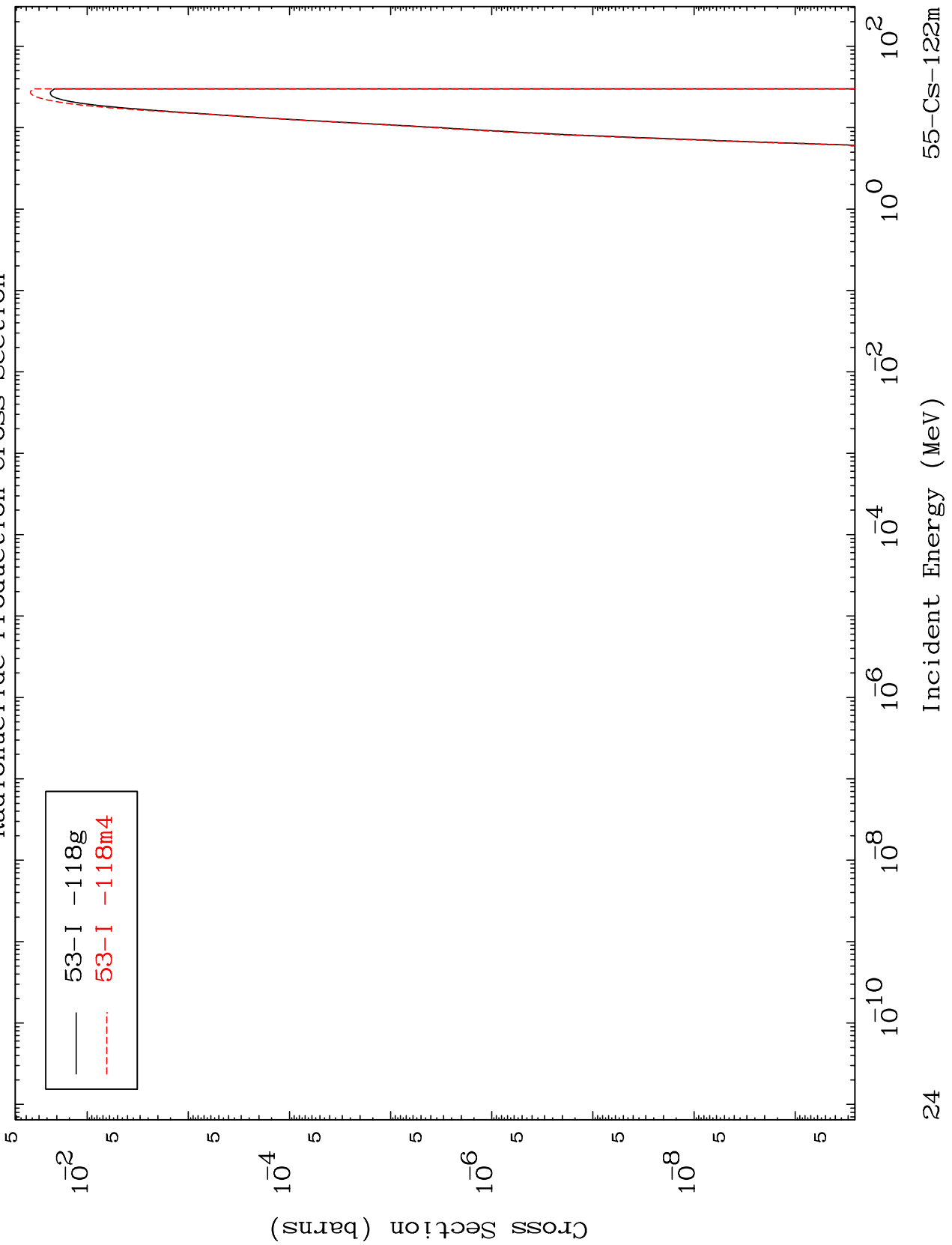
23

MAT 5493

(n,n') α

55-Cs-122m

Radionuclide Production Cross Section



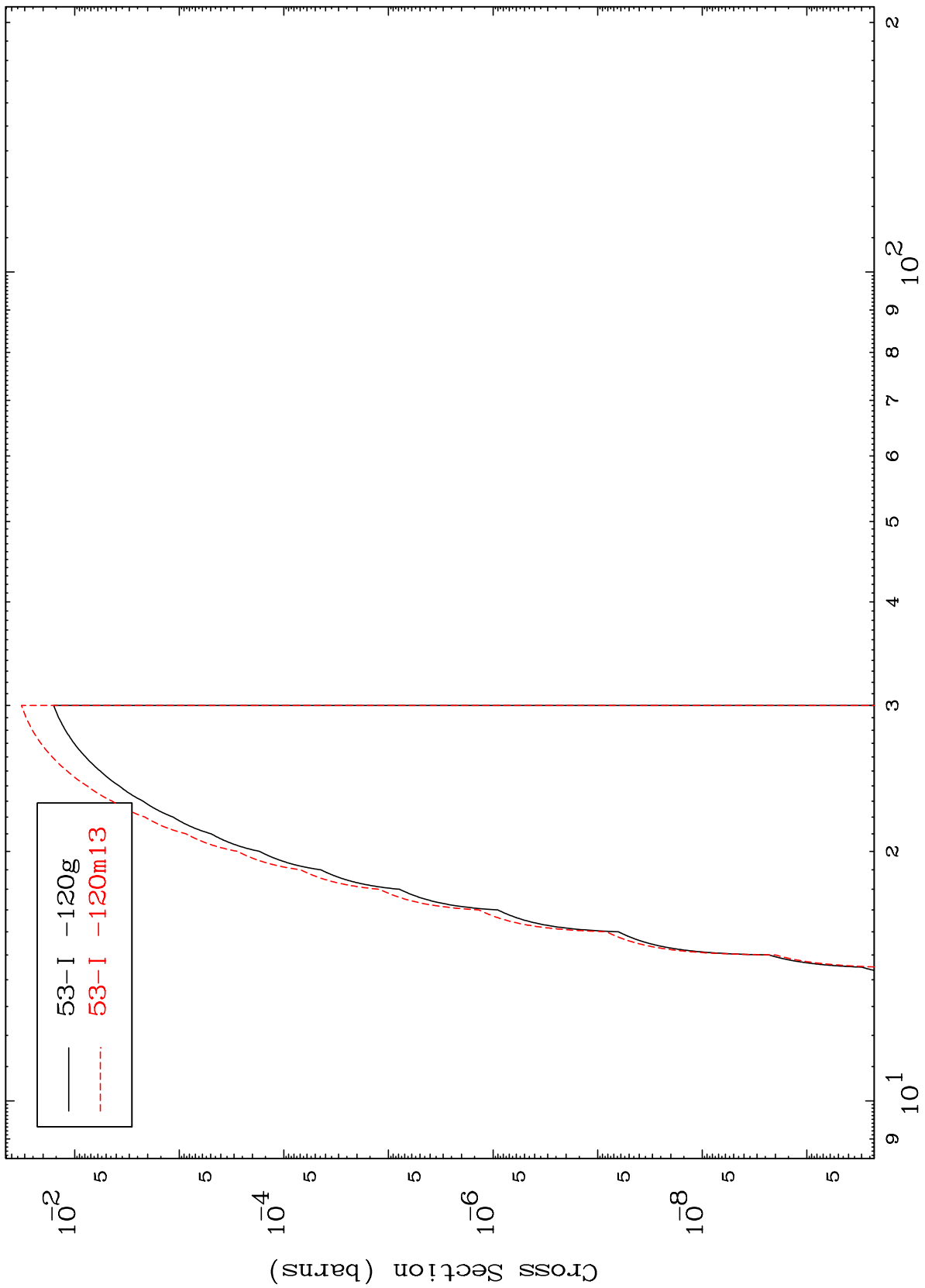
53-I -118g
53-I -118m4

MAT 5493

(n,2n) p

55-Cs-122m

Radionuclide Production Cross Section



25

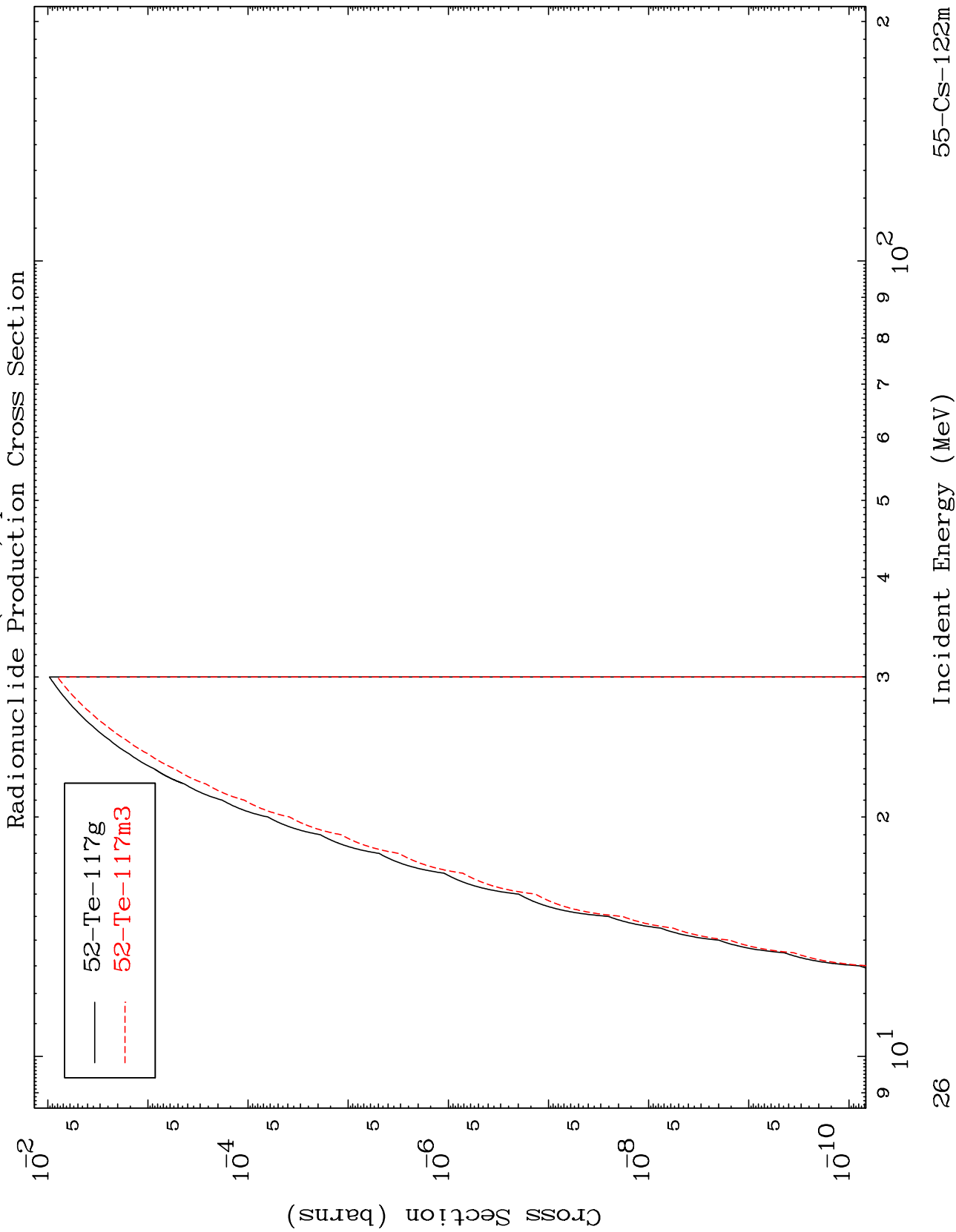
Incident Energy (MeV)

55-Cs-122m

MAT 5493

(n,n') p α

55-Cs-122m



26

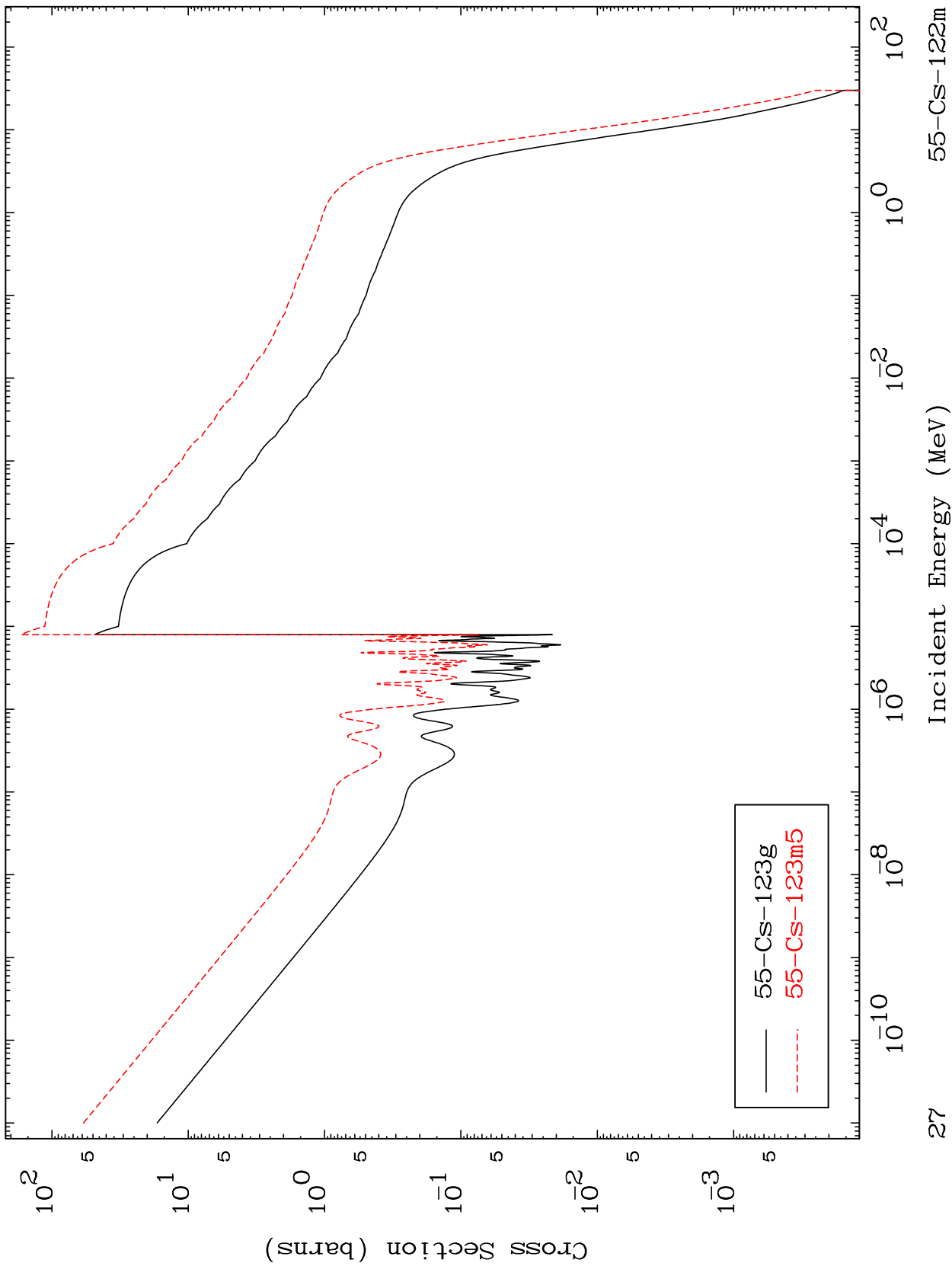
Incident Energy (MeV)

55-Cs-122m

MAT 5493

55-Cs-122m

Radionuclide Production Cross Section

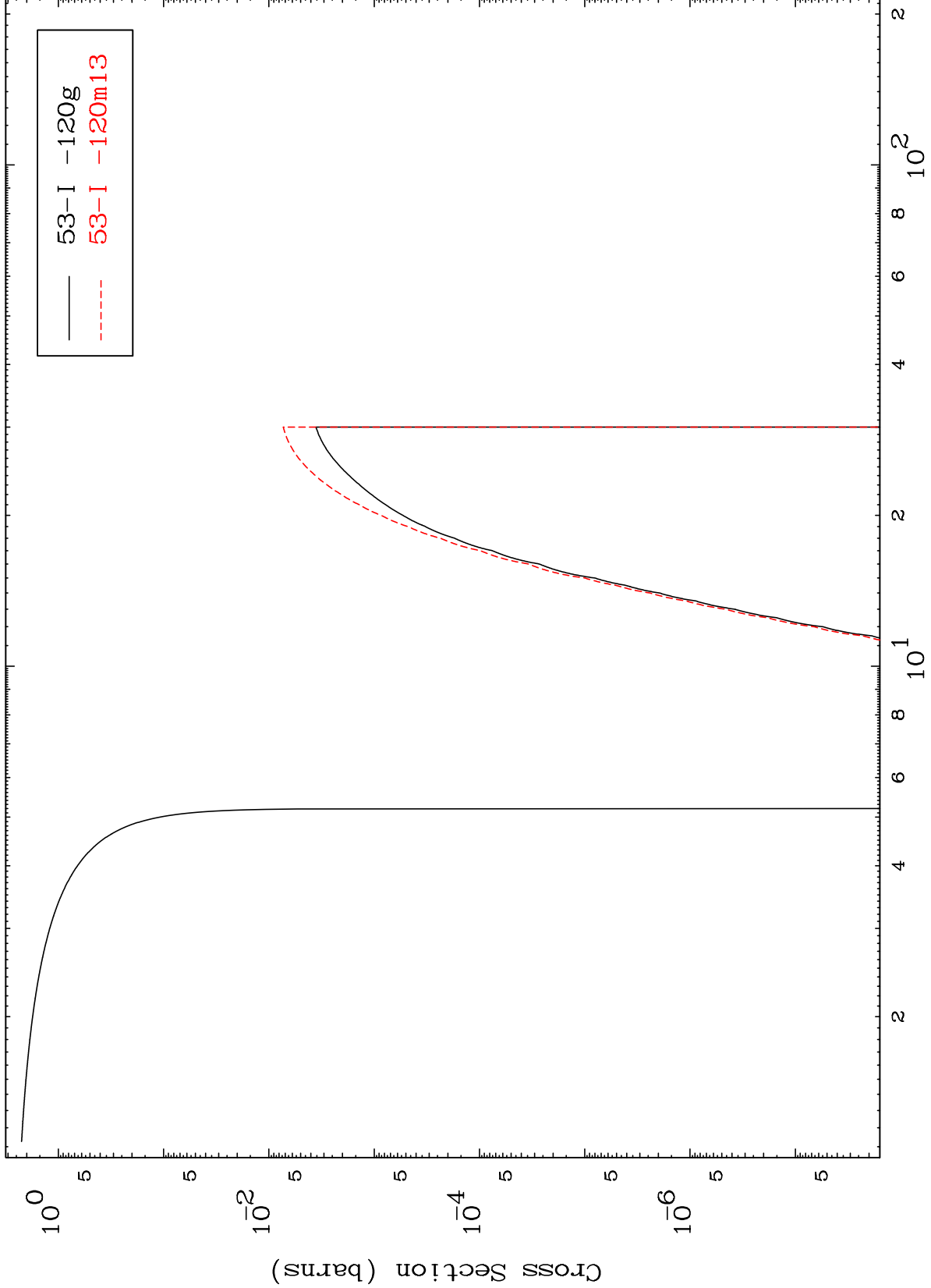


MAT 5493

(n,He-3)

55-Cs-122m

Radionuclide Production Cross Section

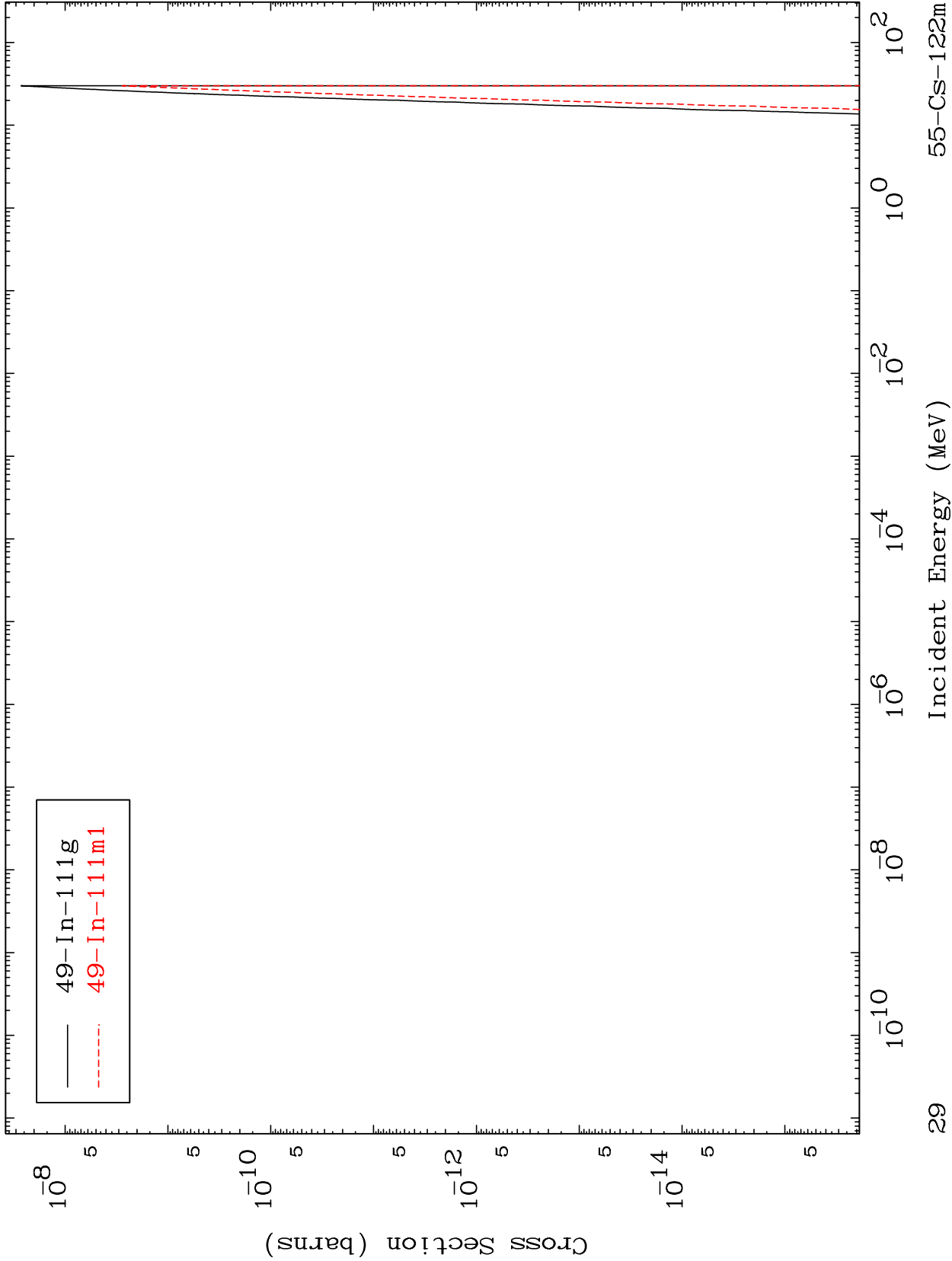


MAT 5493

(n, 3α)

55-Cs-122m

Radionuclide Production Cross Section

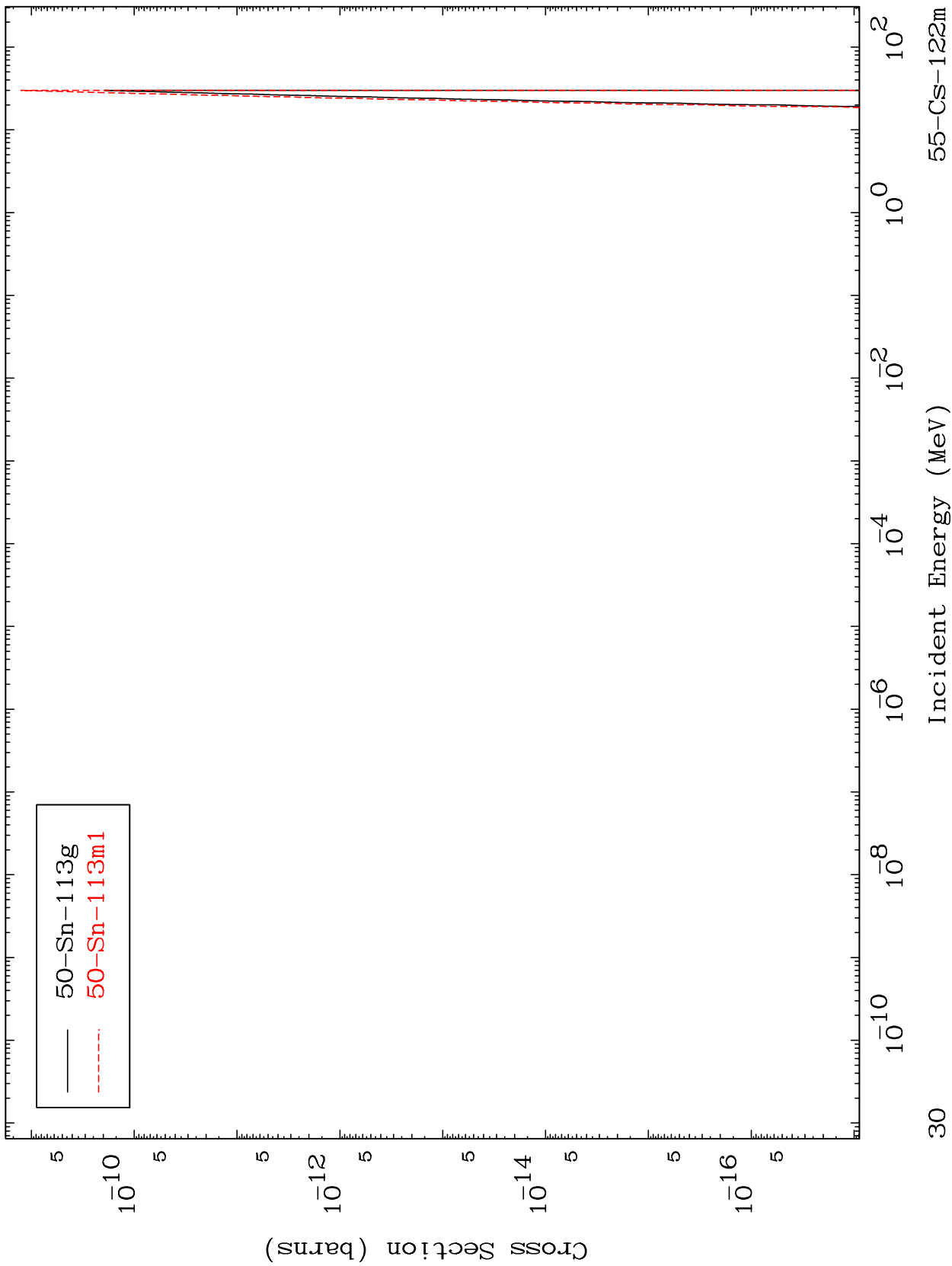


MAT 5493

(n,d) 2α

55-Cs-122m

Radionuclide Production Cross Section

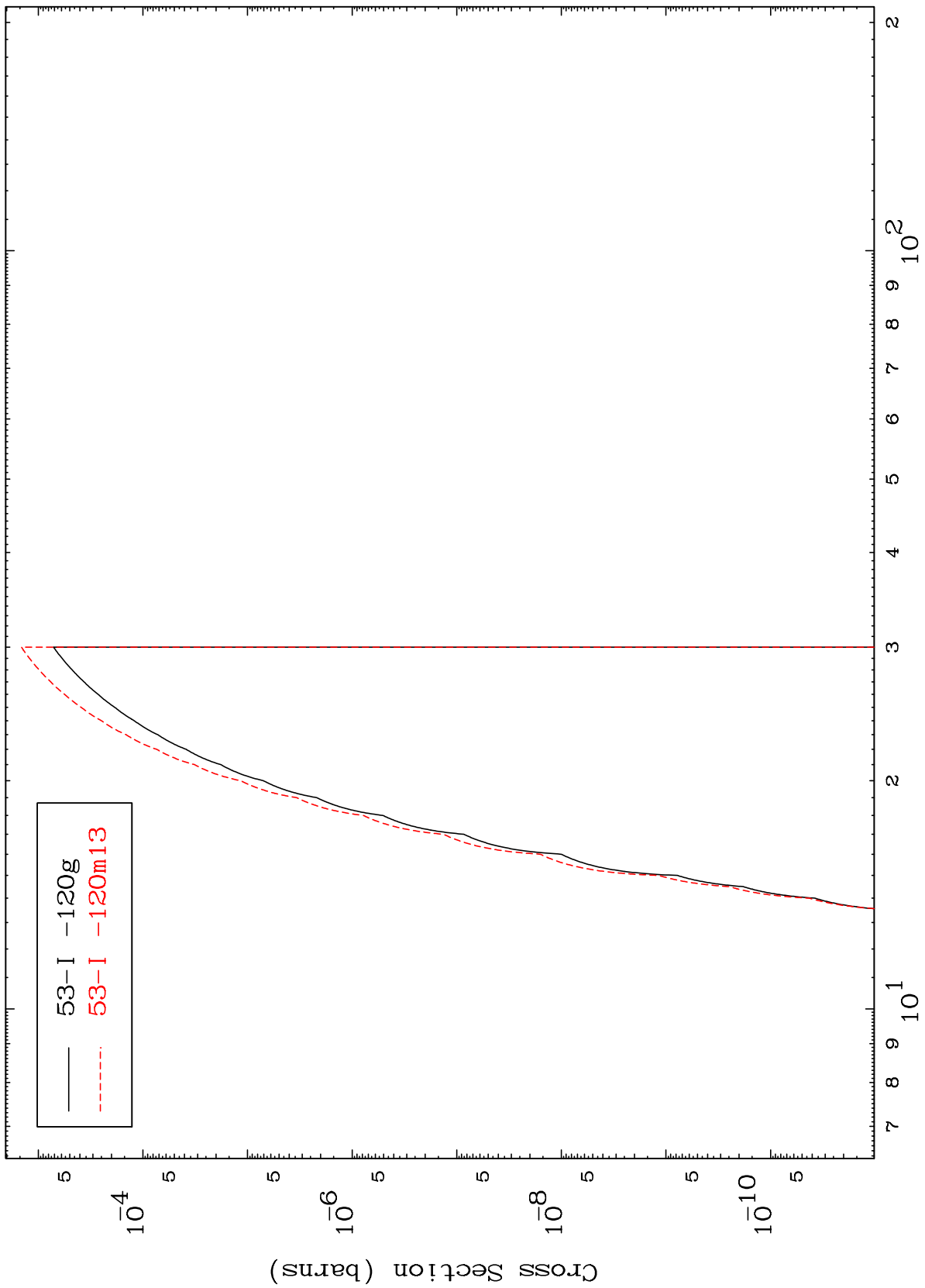


MAT 5493

(n,p) d

55-Cs-122m

Radionuclide Production Cross Section



31

Incident Energy (MeV)

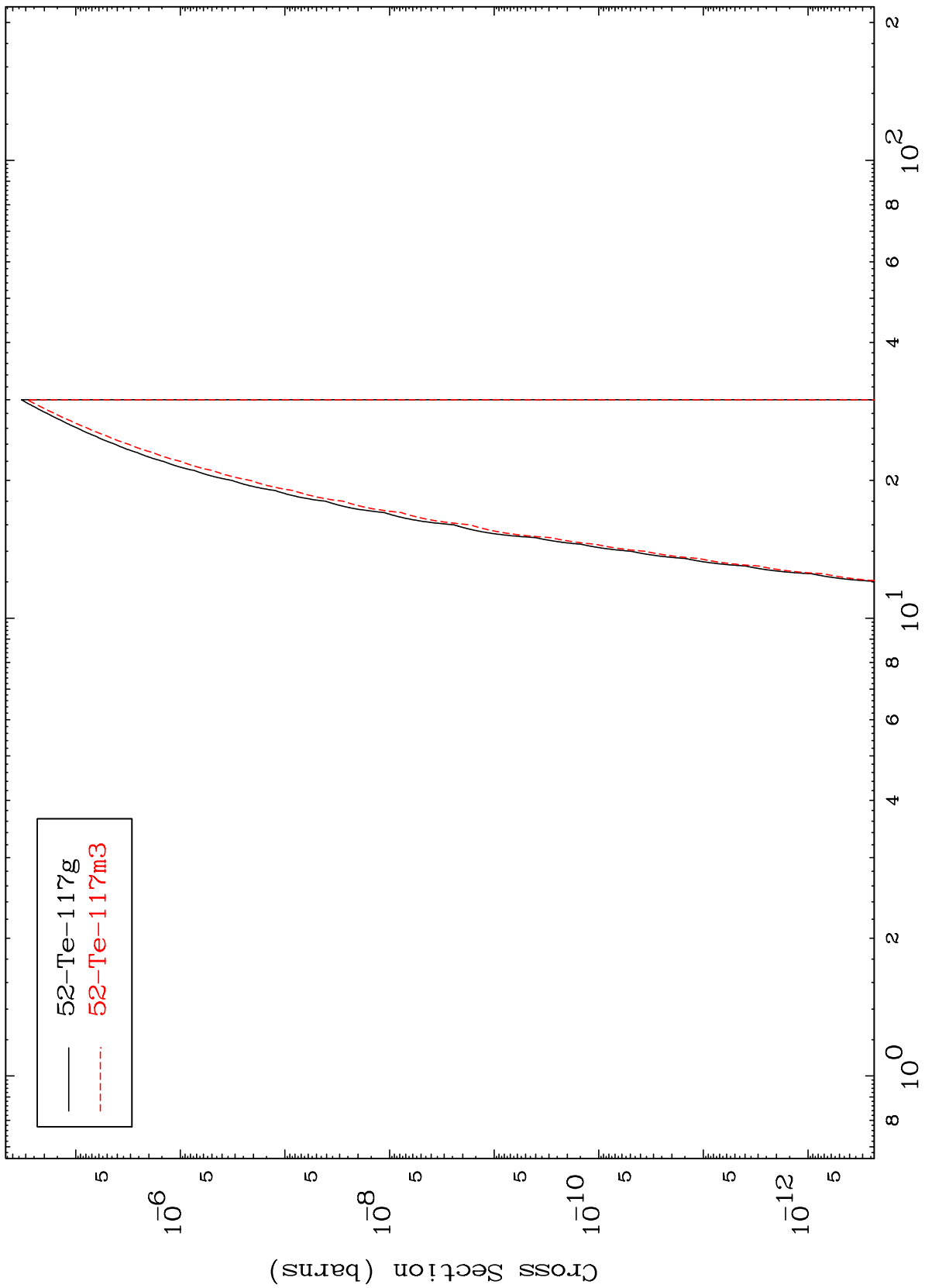
55-Cs-122m

MAT 5493

(n,d) α

55-Cs-122m

Radionuclide Production Cross Section



32

Incident Energy (MeV)

55-Cs-122m