

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

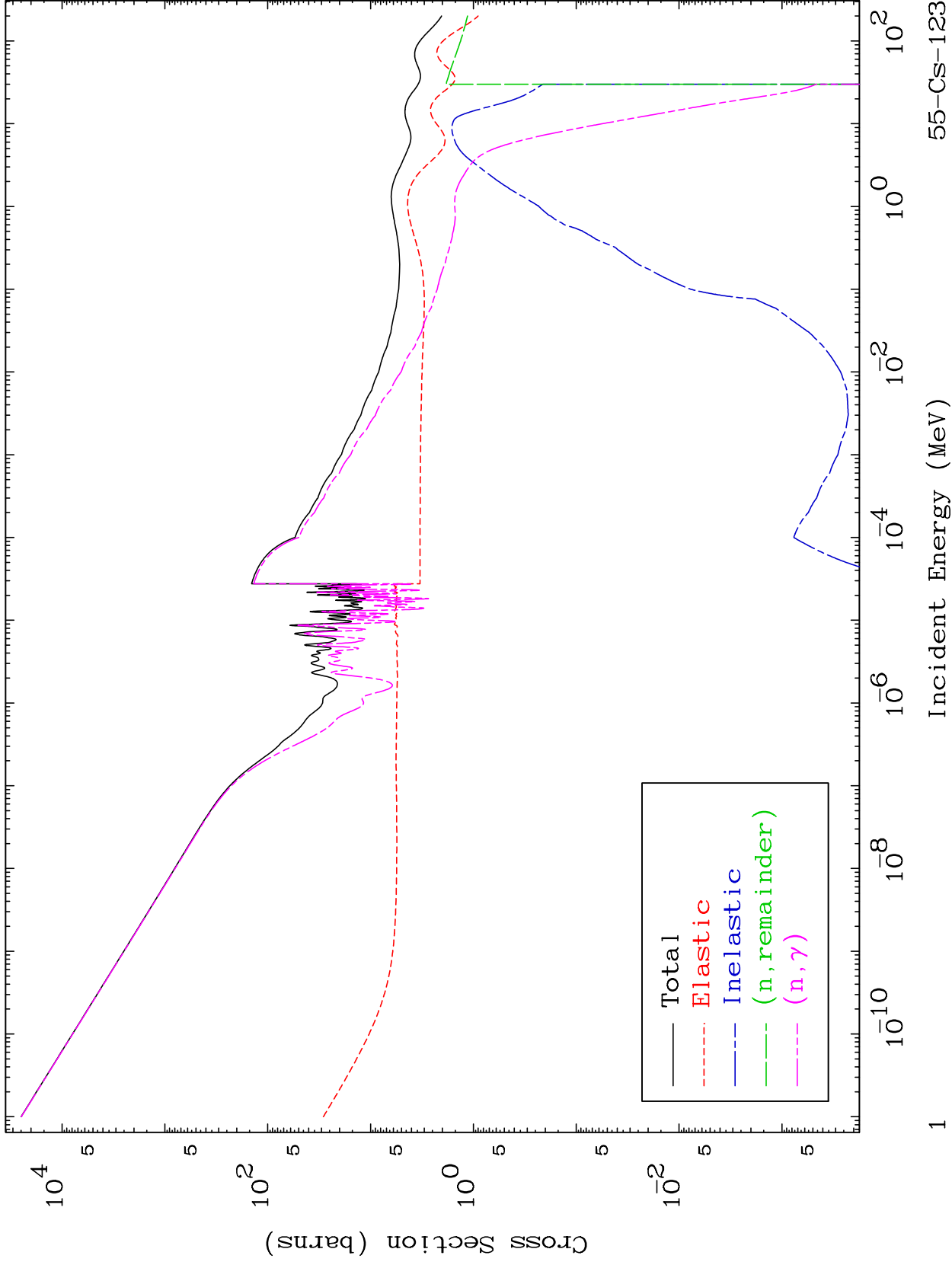
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5496

Major
293 Kelvin Cross Sections

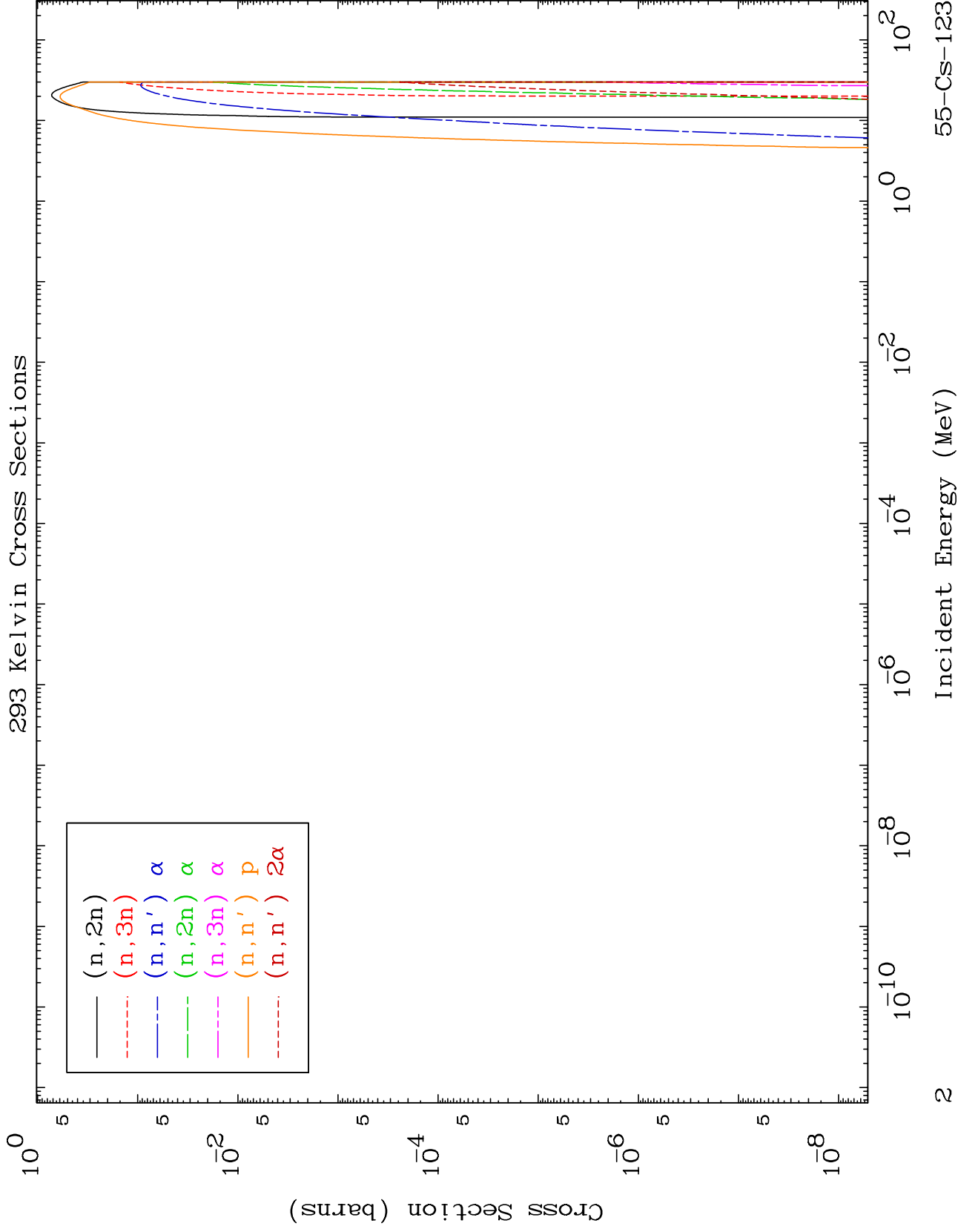
55-Cs-123

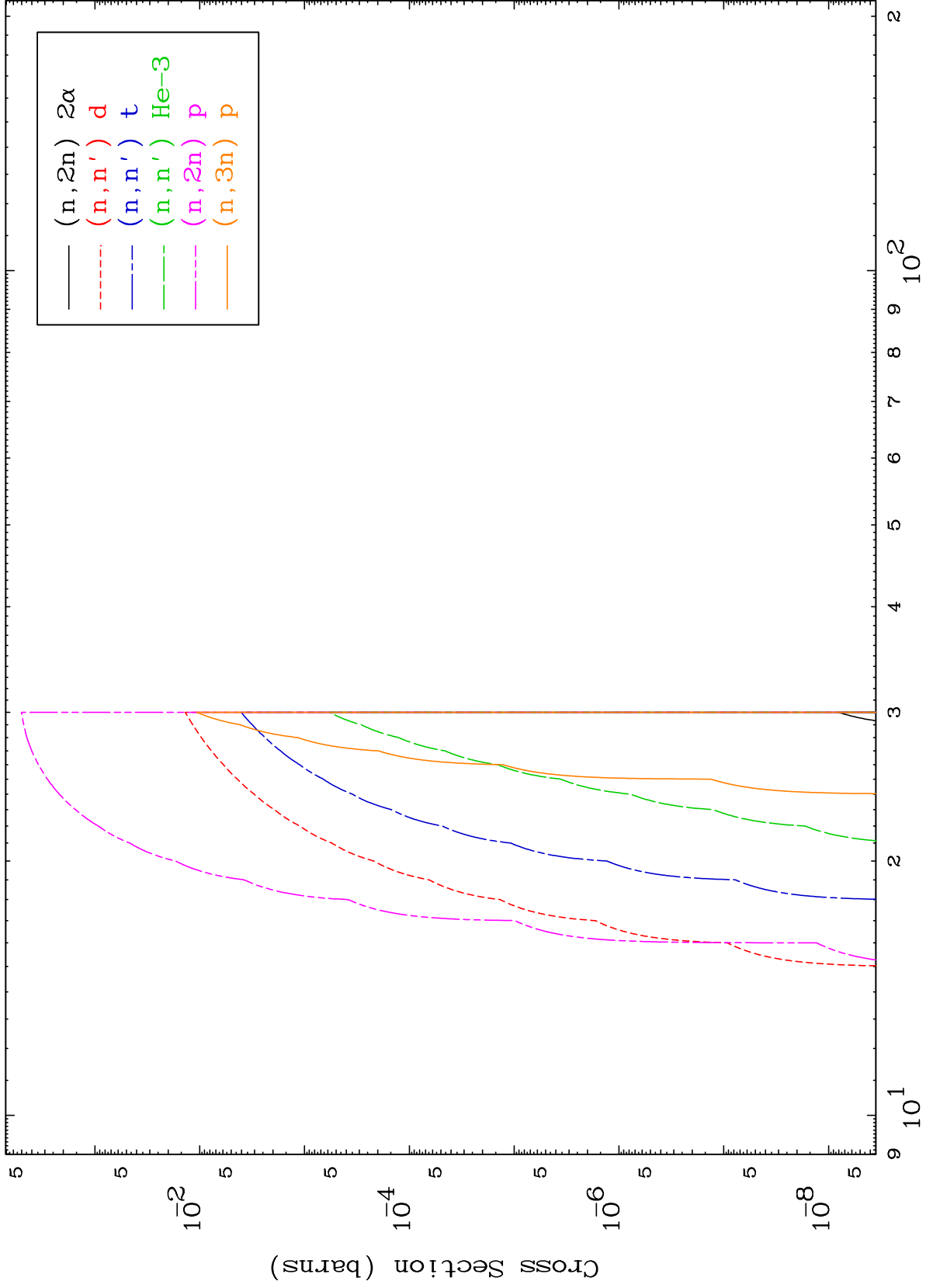


MAT 5496

Neutron Production
293 Kelvin Cross Sections

55-Cs-123

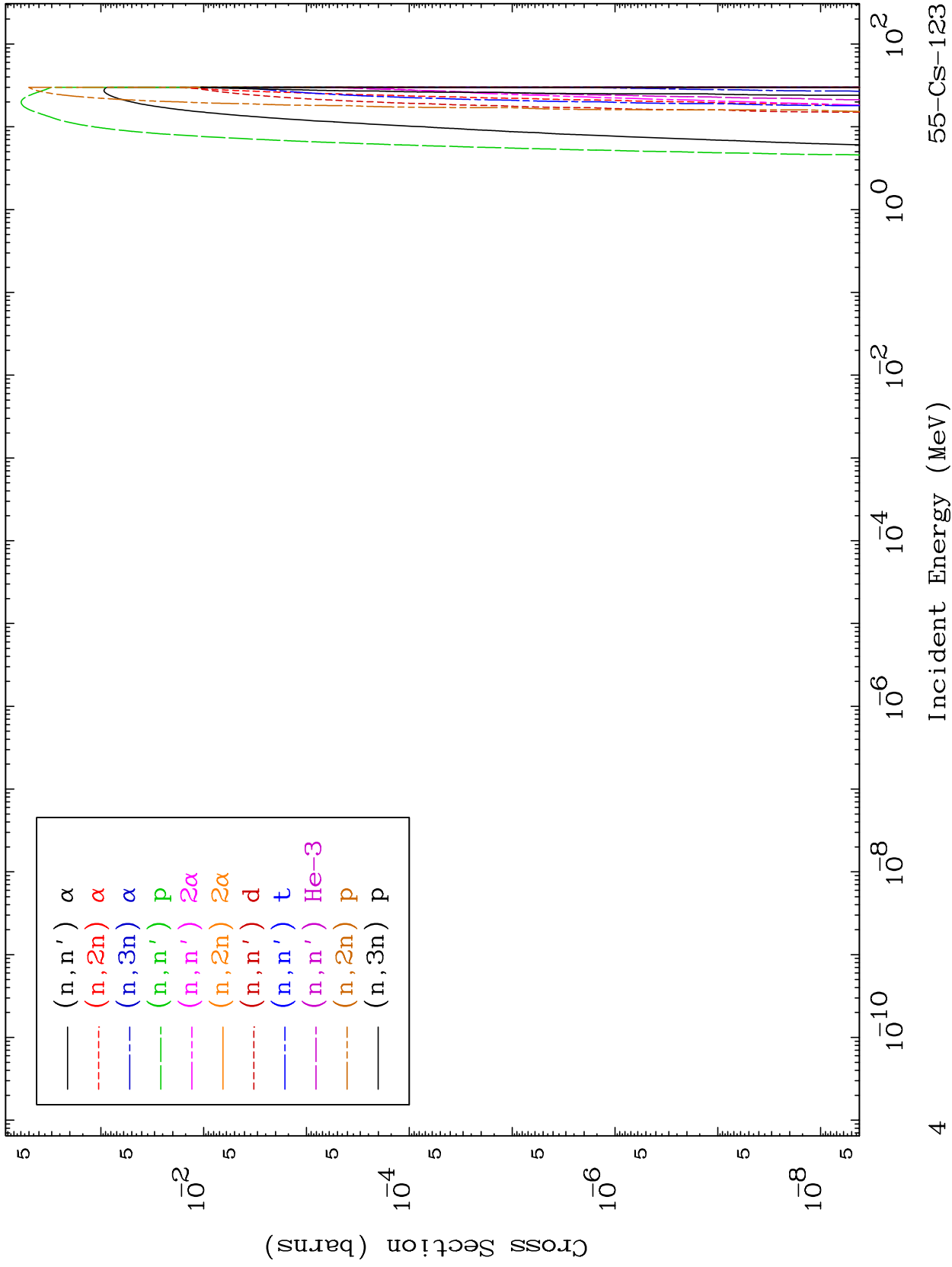




MAT 5496

Charged Particle
293 Kelvin Cross Sections

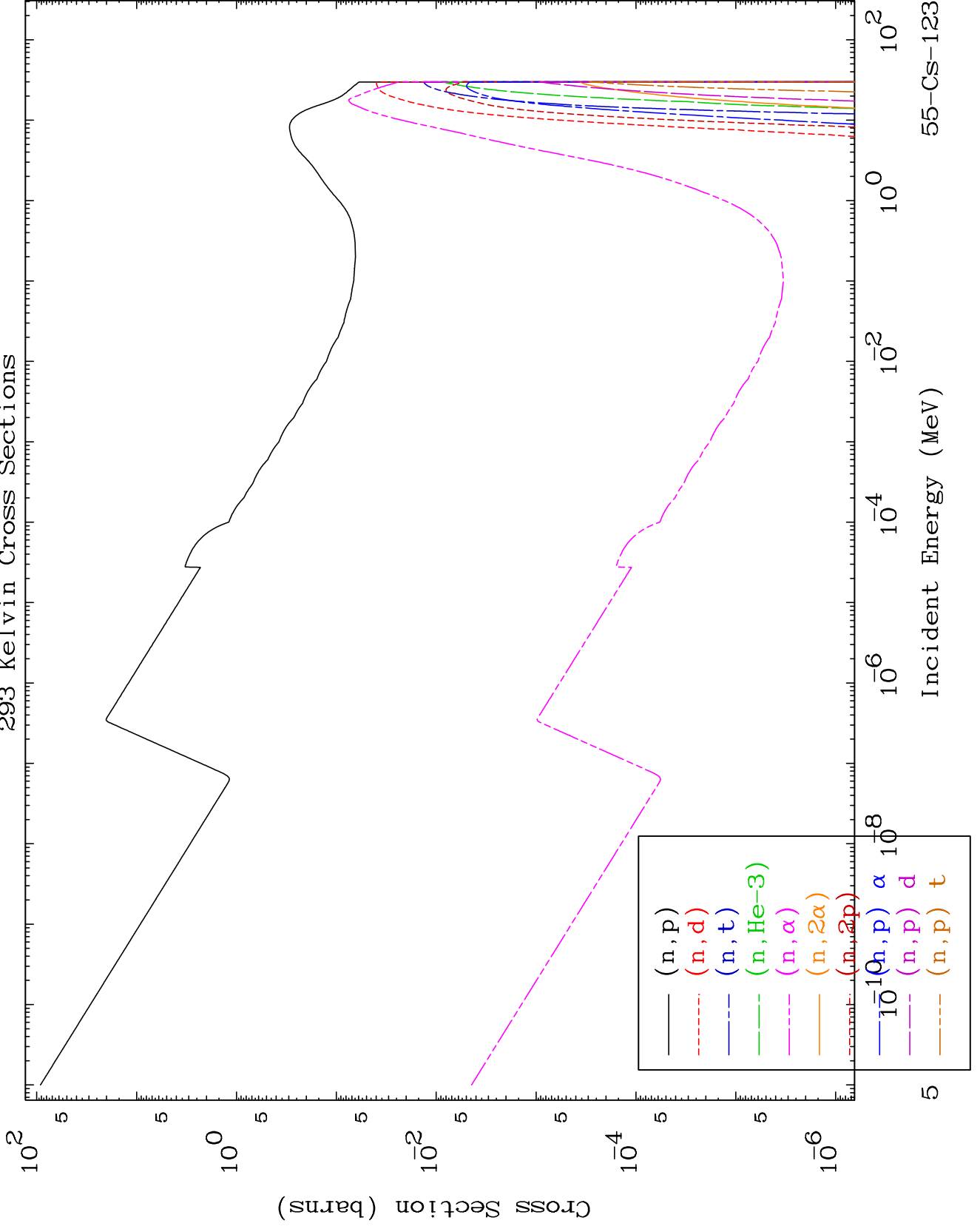
55-Cs-123



MAT 5496

Charged Particle
293 Kelvin Cross Sections

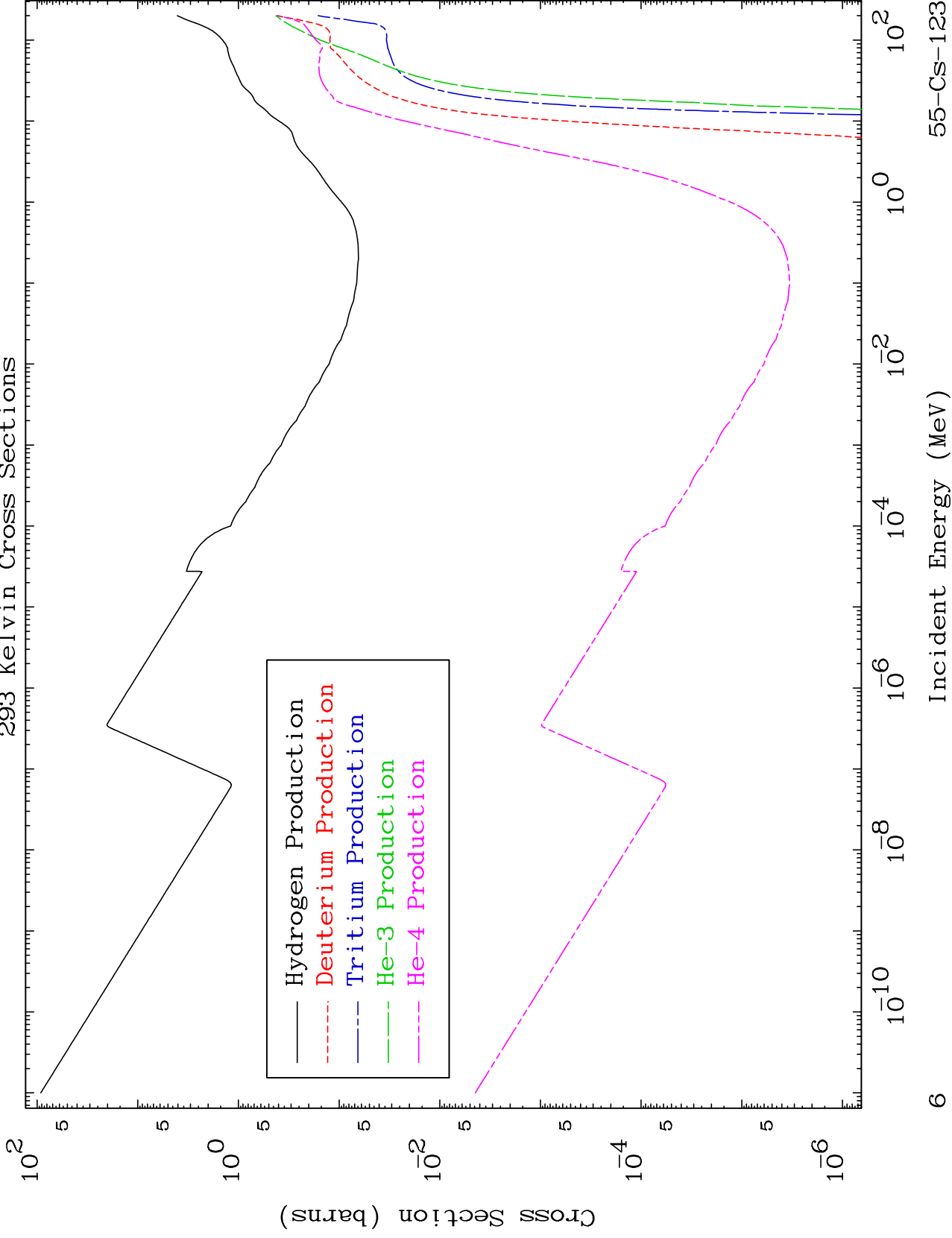
55-Cs-123



MAT 5496

Particle Production
293 Kelvin Cross Sections

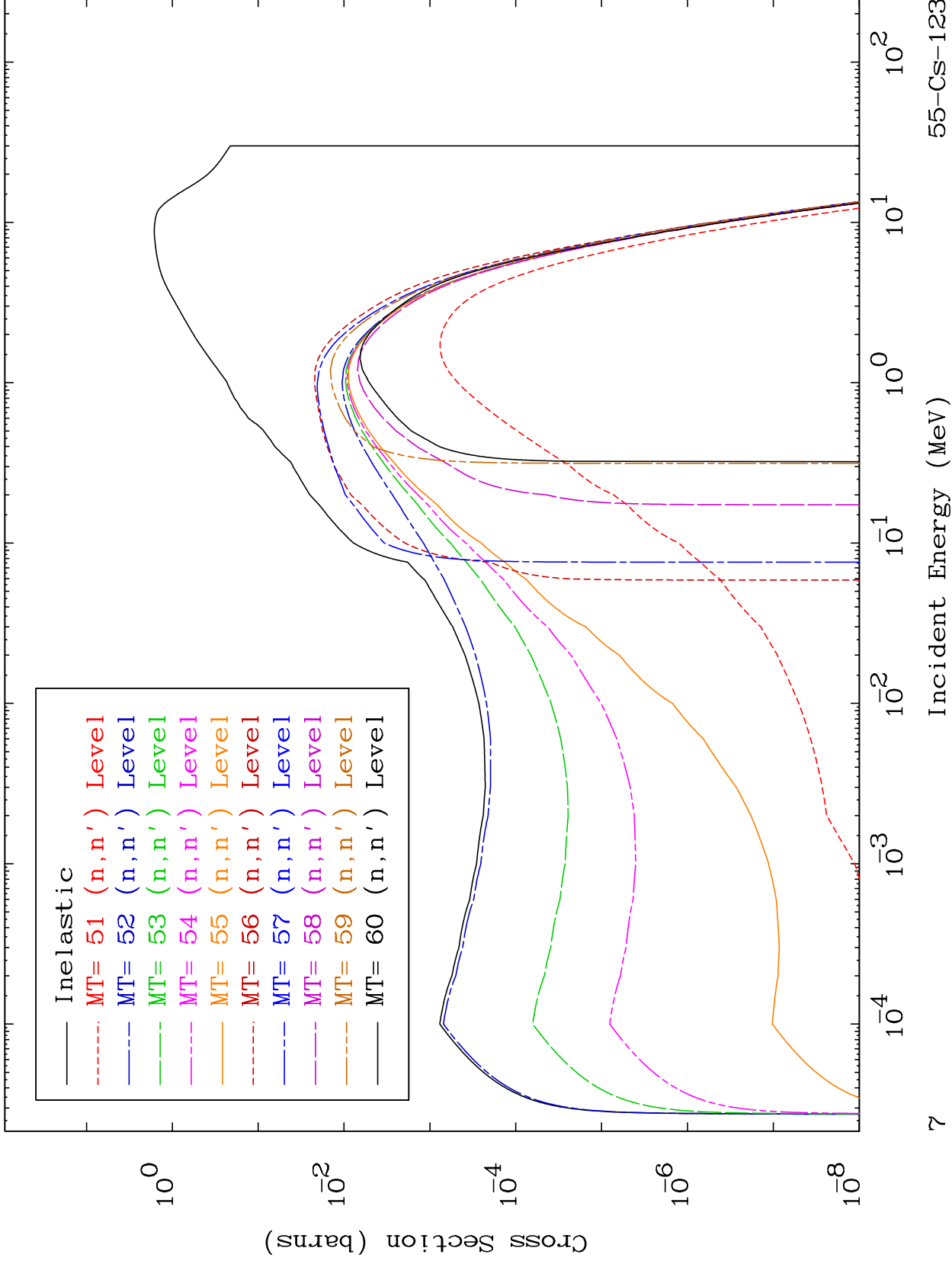
55-Cs-123



MAT 5496

(n,n') Level
293 Kelvin Cross Sections

55-Cs-123

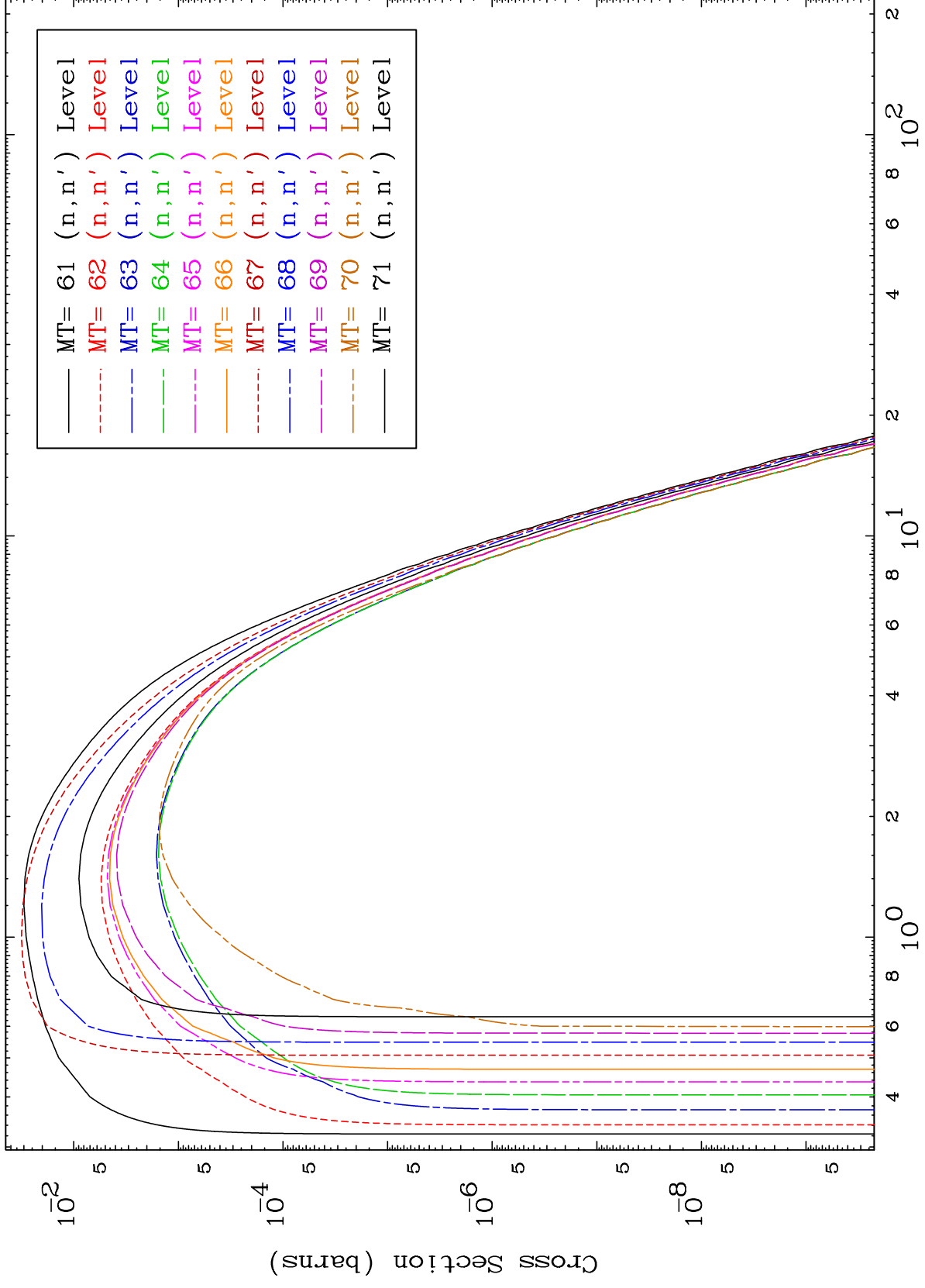


MAT 5496

(n,n') Level

55-Cs-123

293 Kelvin Cross Sections

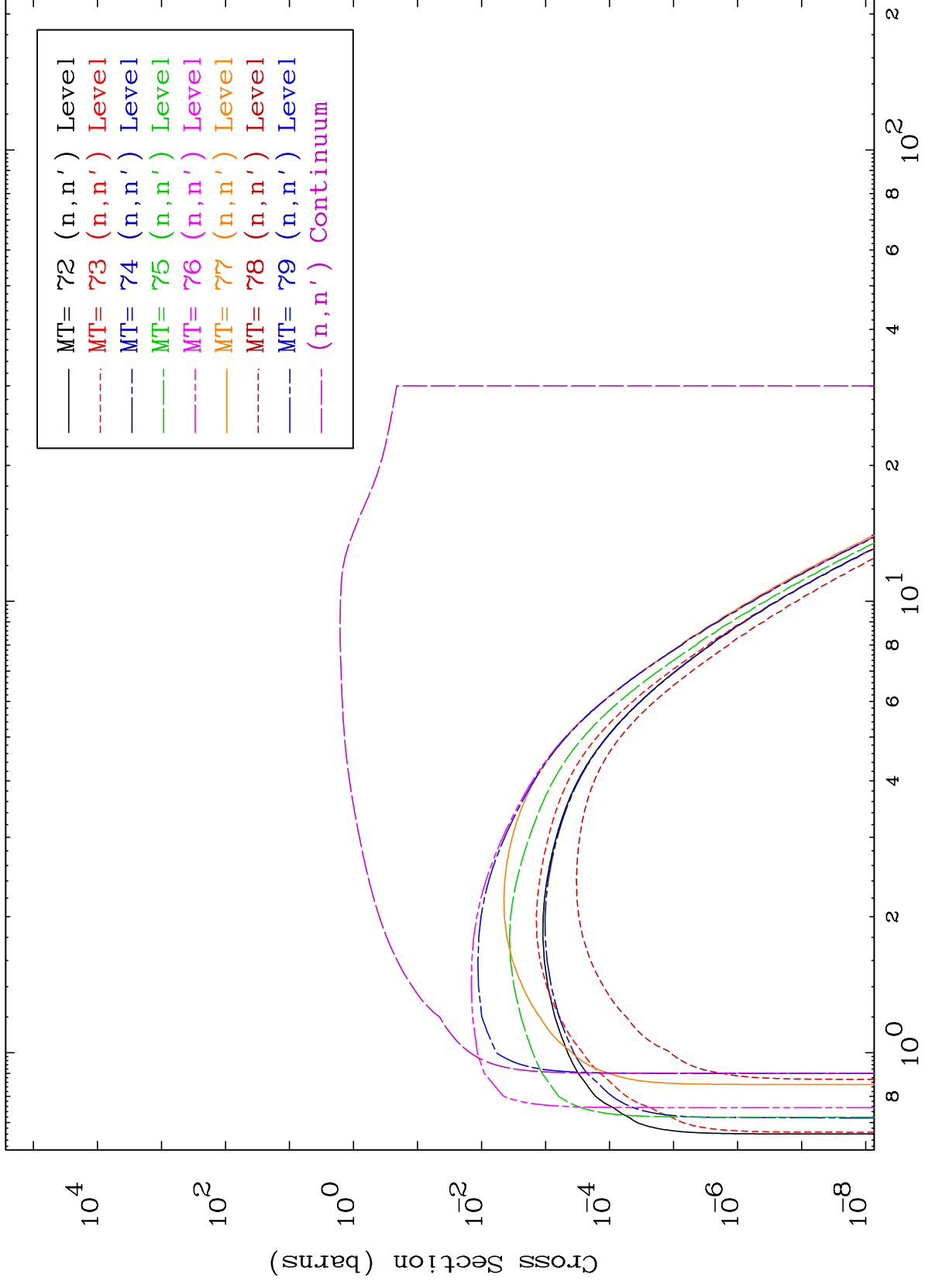


Incident Energy (MeV)

55-Cs-123

8

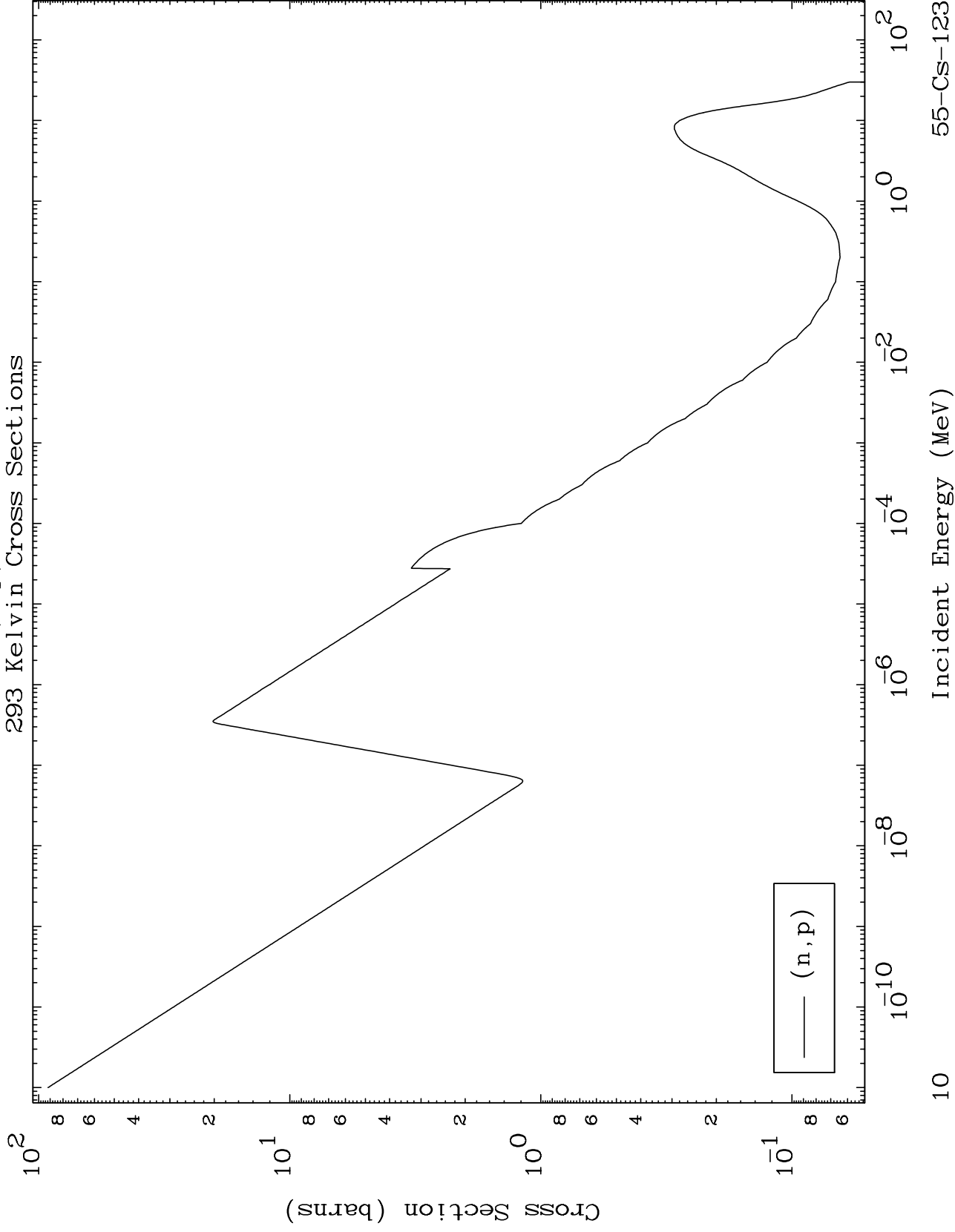
293 Kelvin Cross Sections



MAT 5496

(n,p) Levels
293 Kelvin Cross Sections

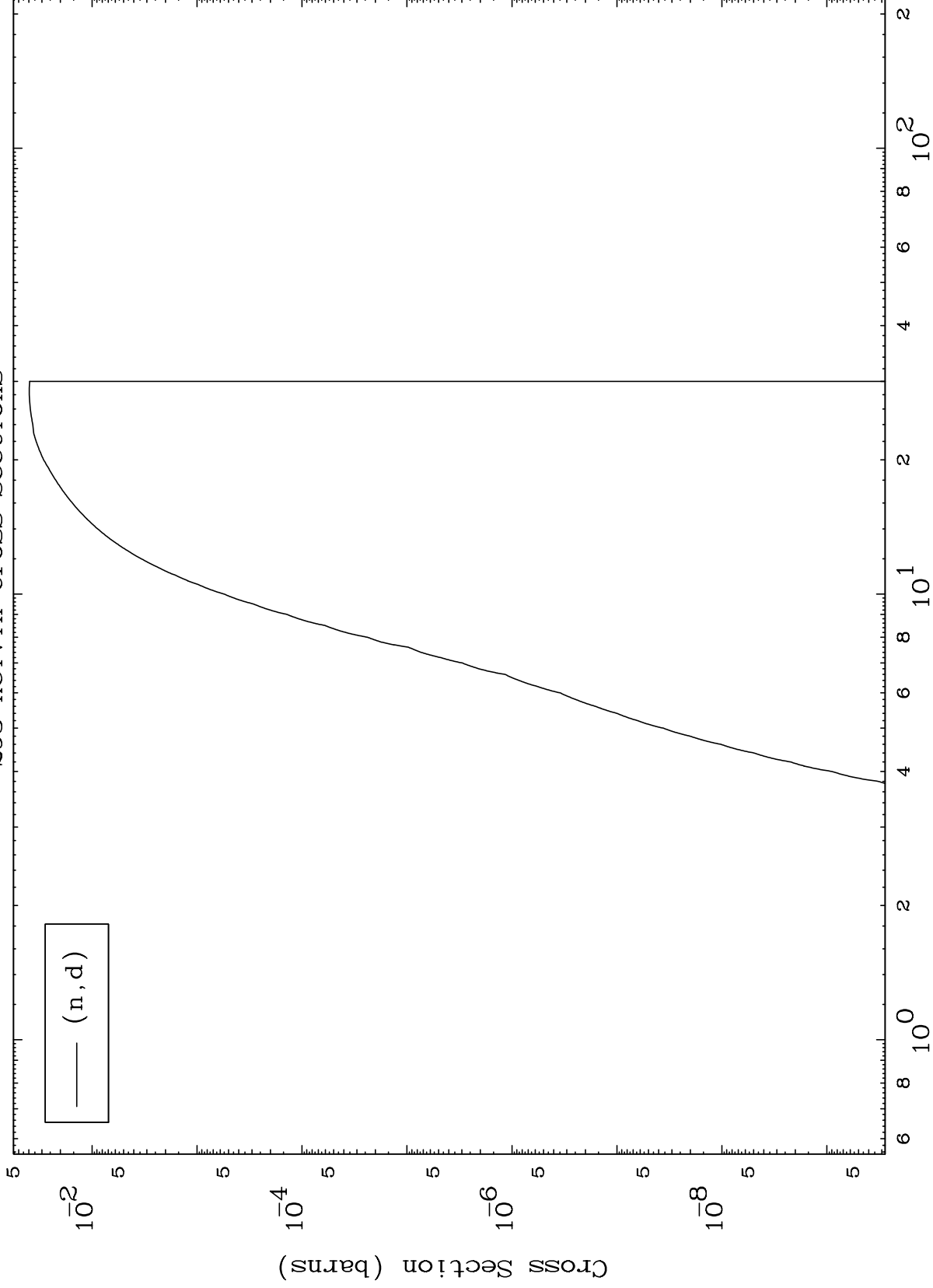
55-Cs-123



MAT 5496

(n,d) Levels
293 Kelvin Cross Sections

55-Cs-123



(n,d)

Incident Energy (MeV)

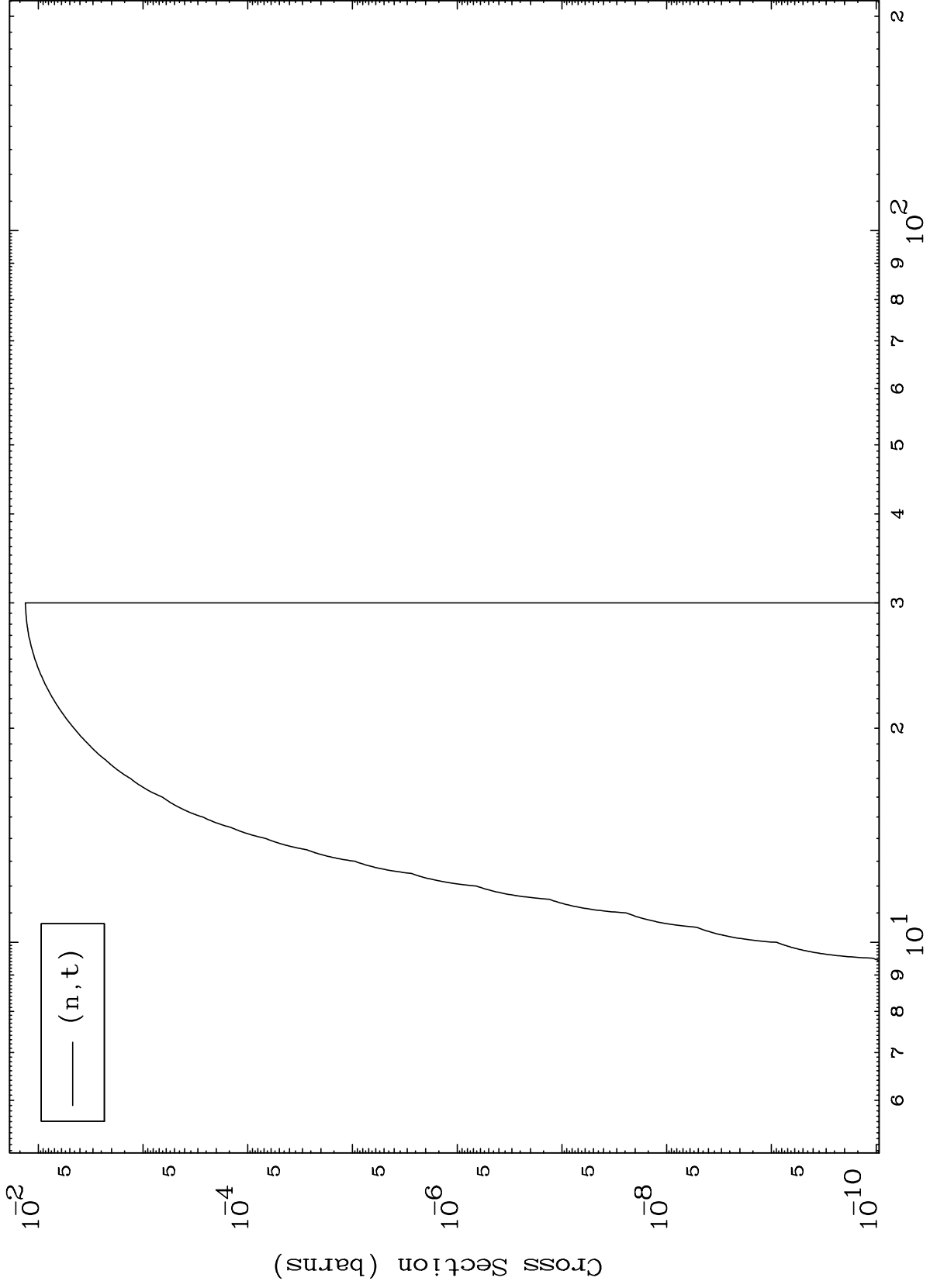
55-Cs-123

11

MAT 5496

(n,t) Levels
293 Kelvin Cross Sections

55-Cs-123



12

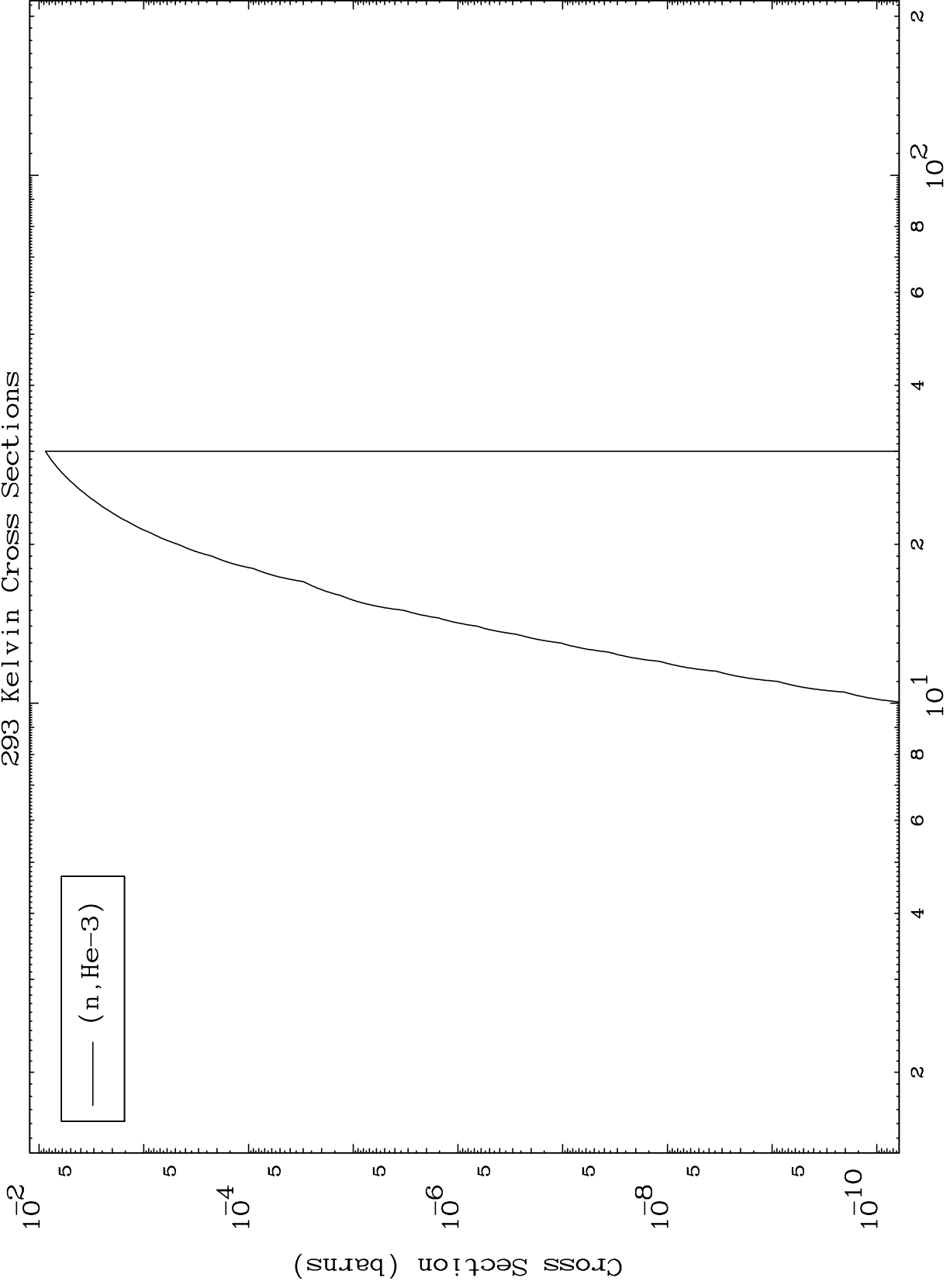
Incident Energy (MeV)

55-Cs-123

MAT 5496

(n,He3) Levels
293 Kelvin Cross Sections

55-Cs-123



13

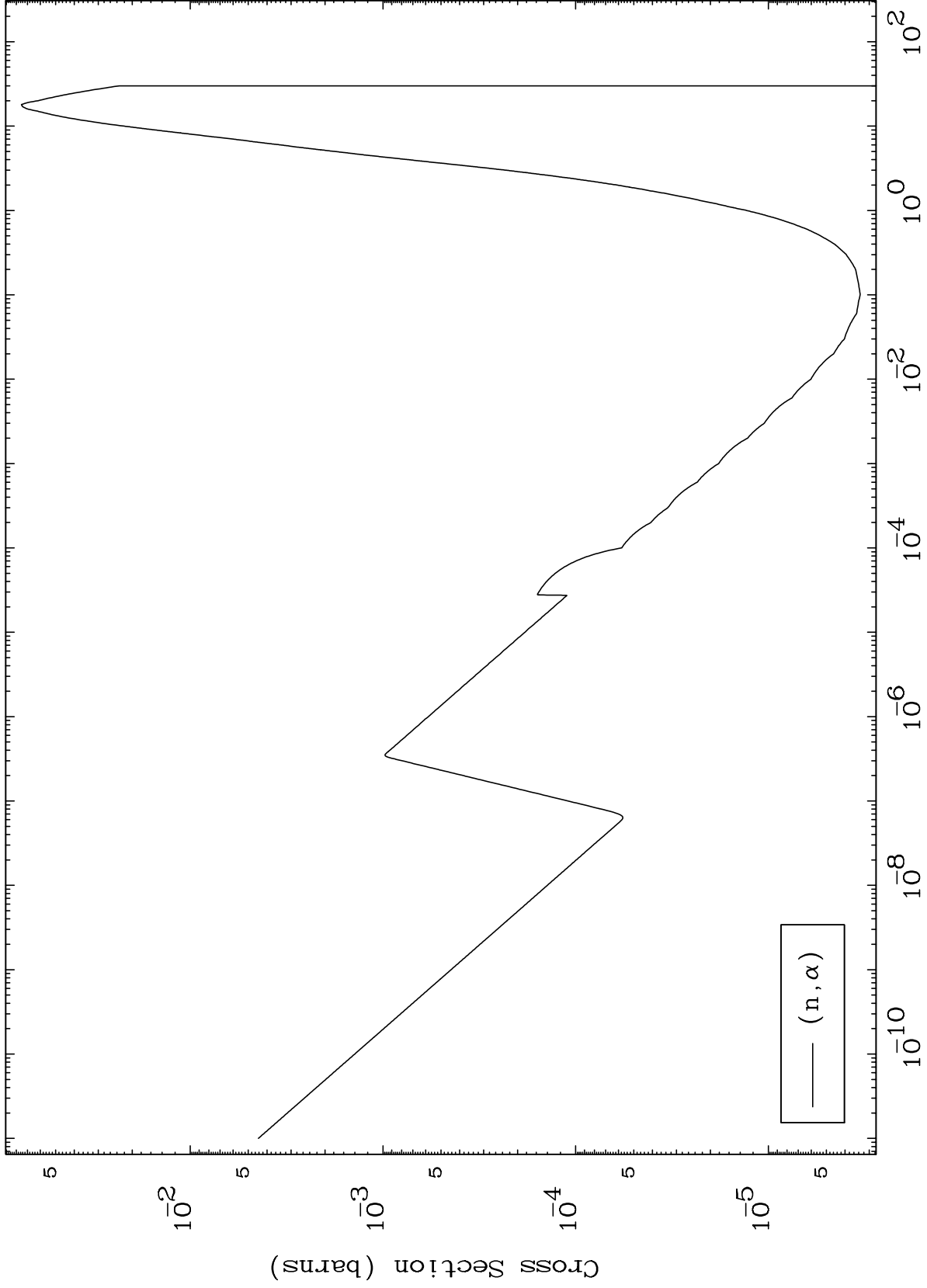
Incident Energy (MeV)

55-Cs-123

MAT 5496

(n, α) Levels
293 Kelvin Cross Sections

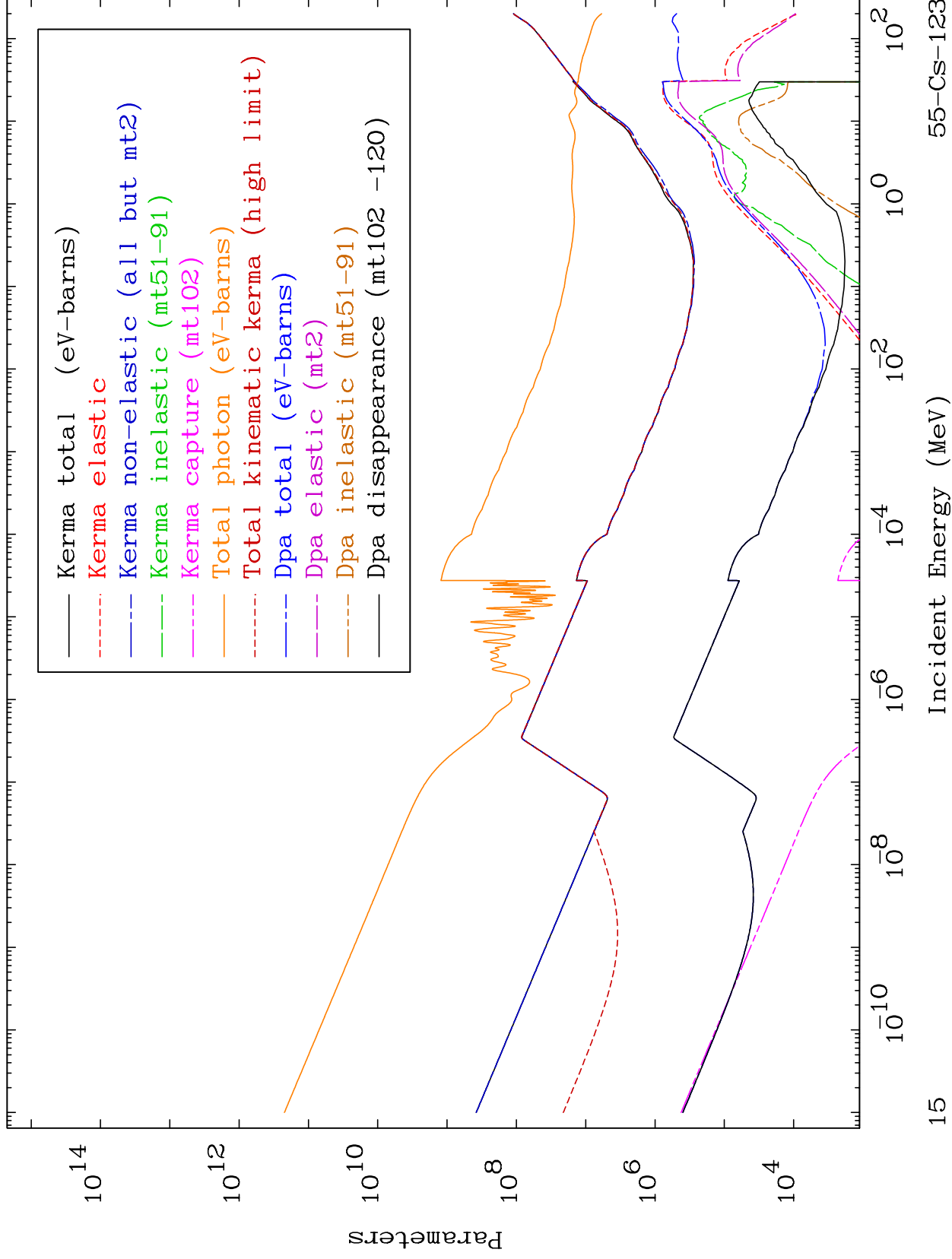
55-Cs-123



14

Incident Energy (MeV)

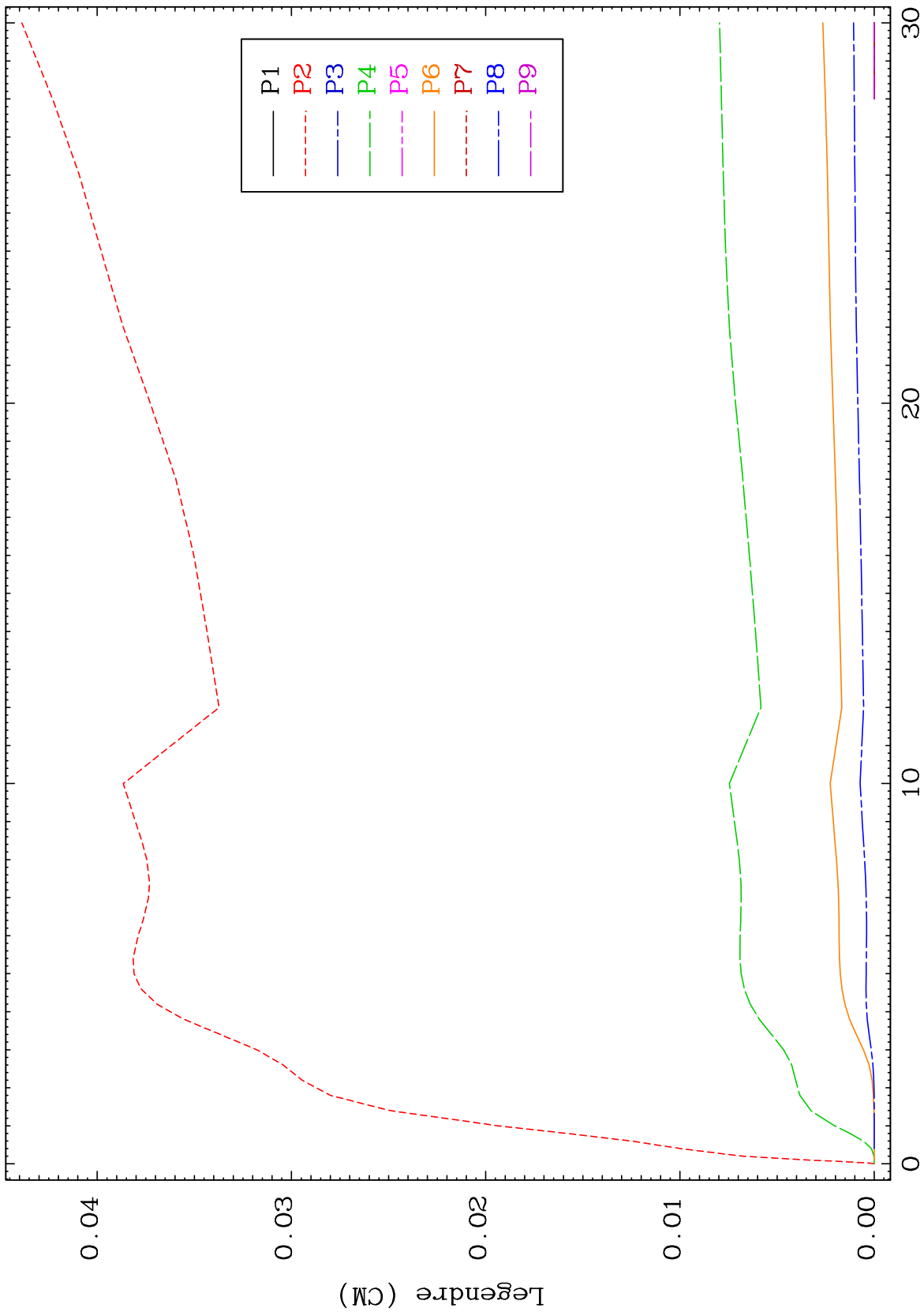
55-Cs-123



MAT 5496

Elastic Legendre Coefficients

55-Cs-123



16

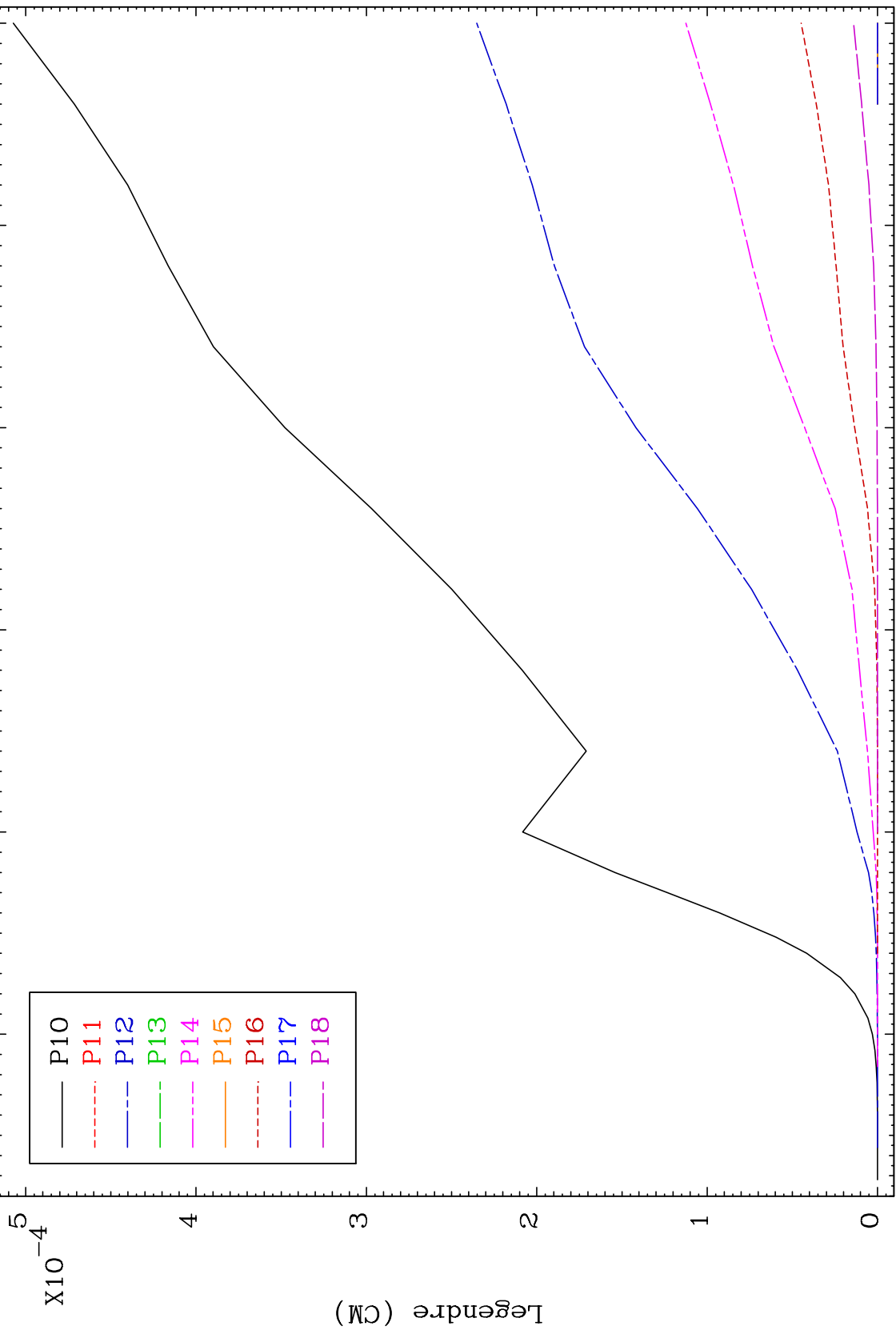
Incident Energy (MeV)

55-Cs-123

MAT 5496

Elastic Legendre Coefficients

55-Cs-123



17

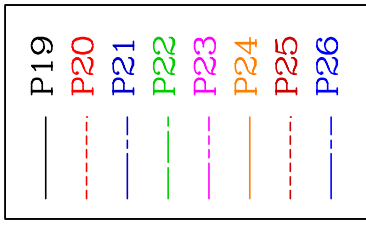
Incident Energy (MeV)

55-Cs-123

MAT 5496

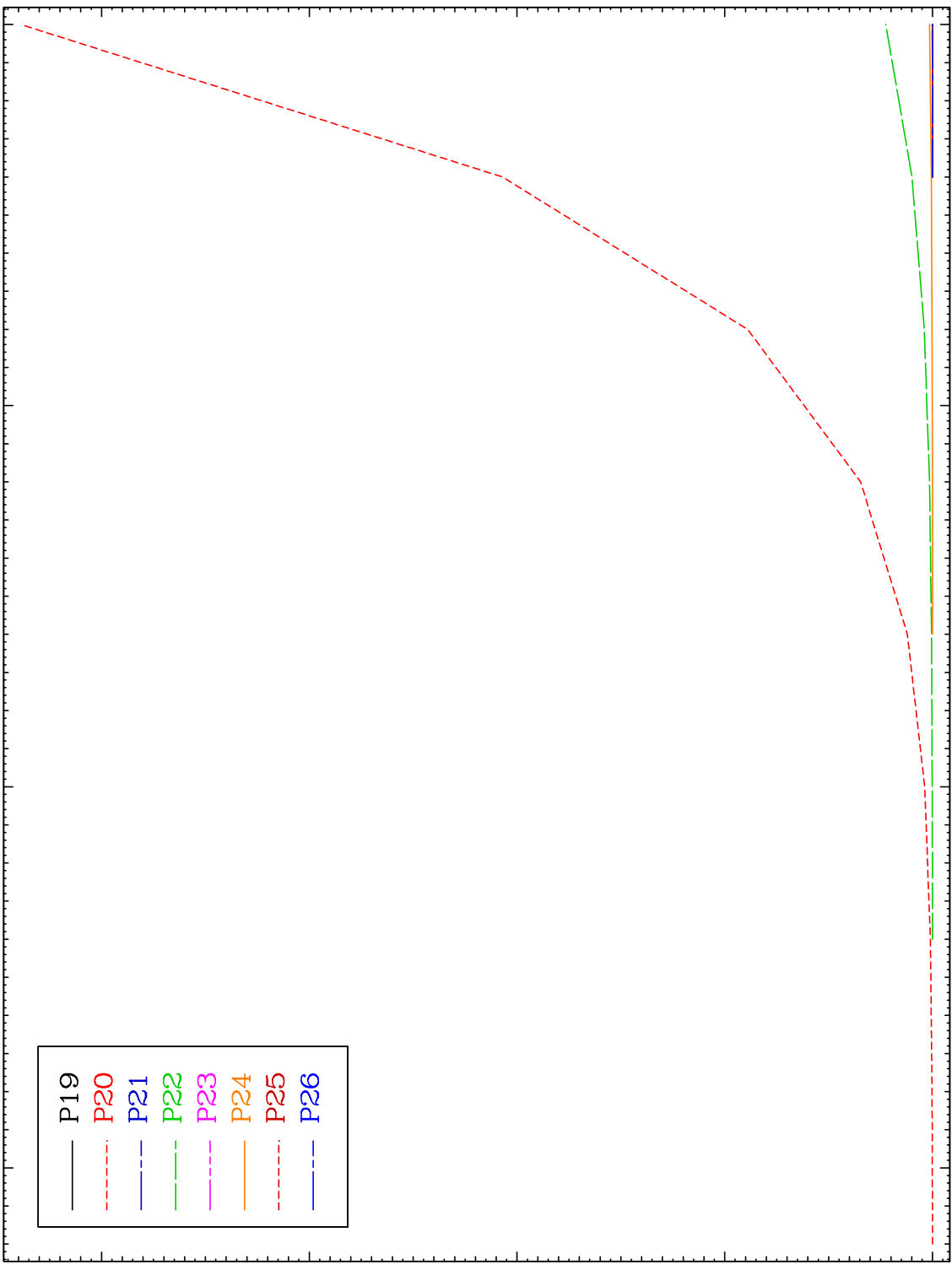
Elastic Legendre Coefficients

55-Cs-123



$\times 10^{-7}$

Legendre (CM)



18

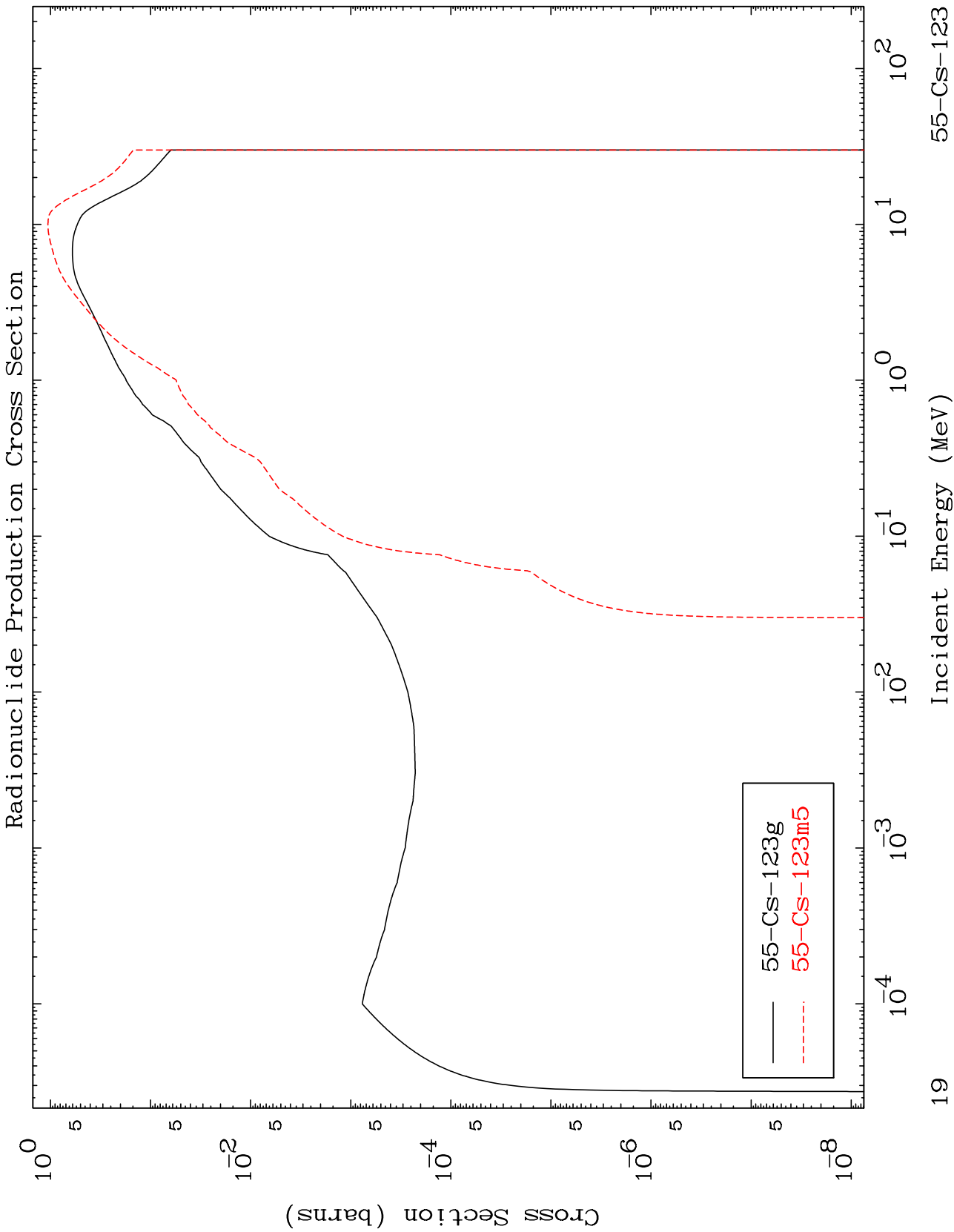
Incident Energy (MeV)

55-Cs-123

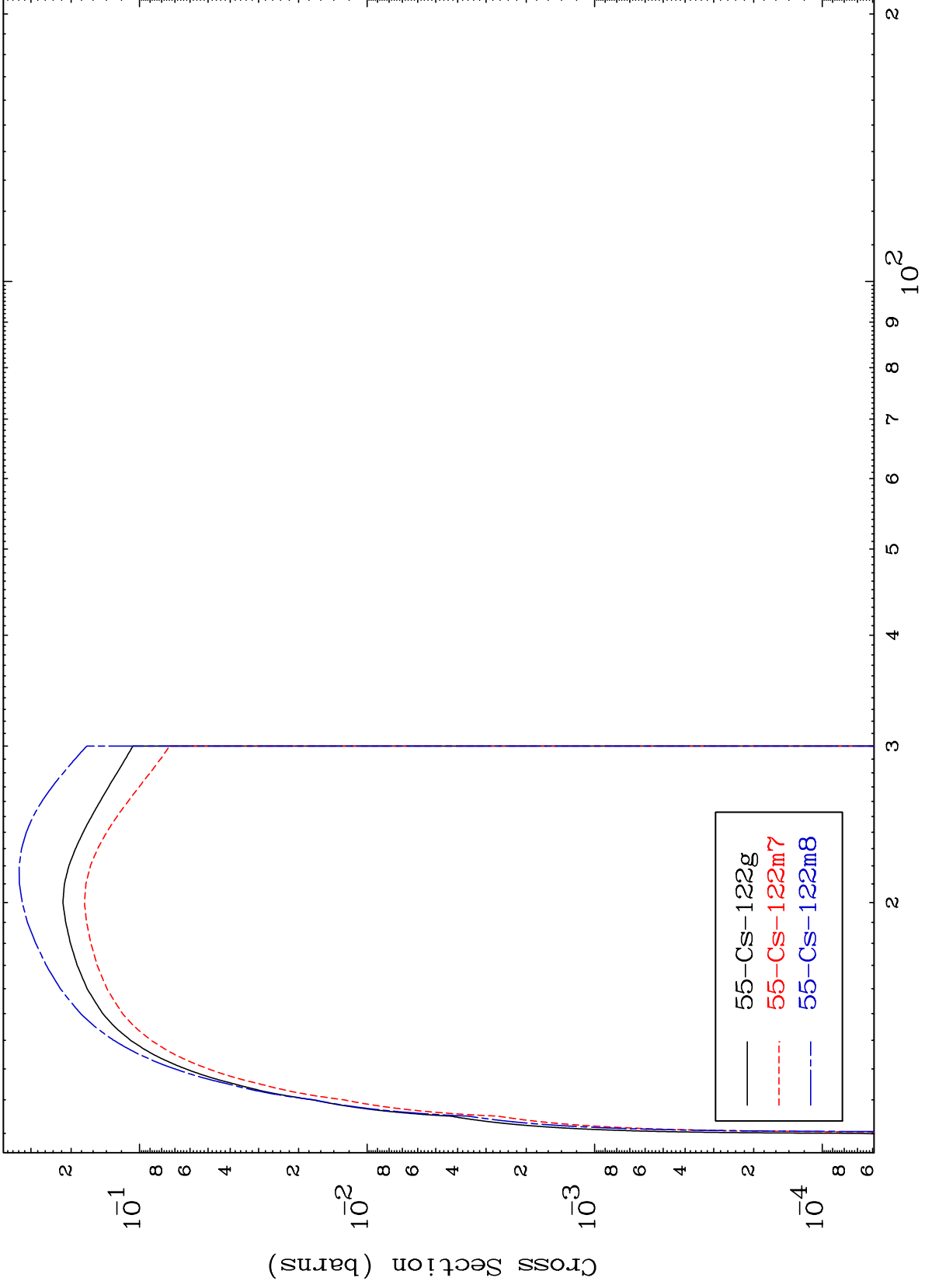
MAT 5496

55-Cs-123

Inelastic
Radionuclide Production Cross Section



(n,2n)
Radionuclide Production Cross Section

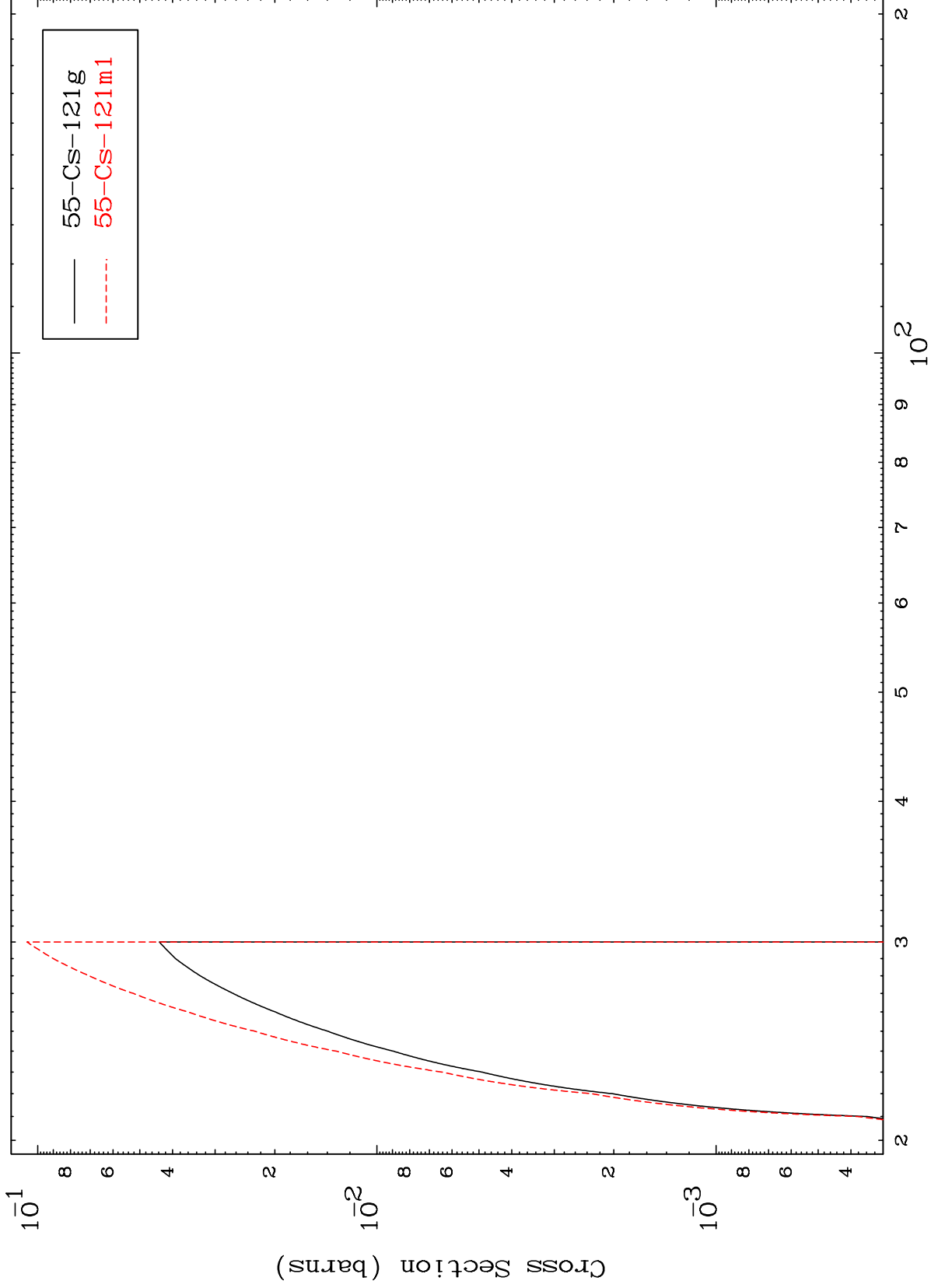


MAT 5496

(n,3n)

55-Cs-123

Radionuclide Production Cross Section



21

Incident Energy (MeV)

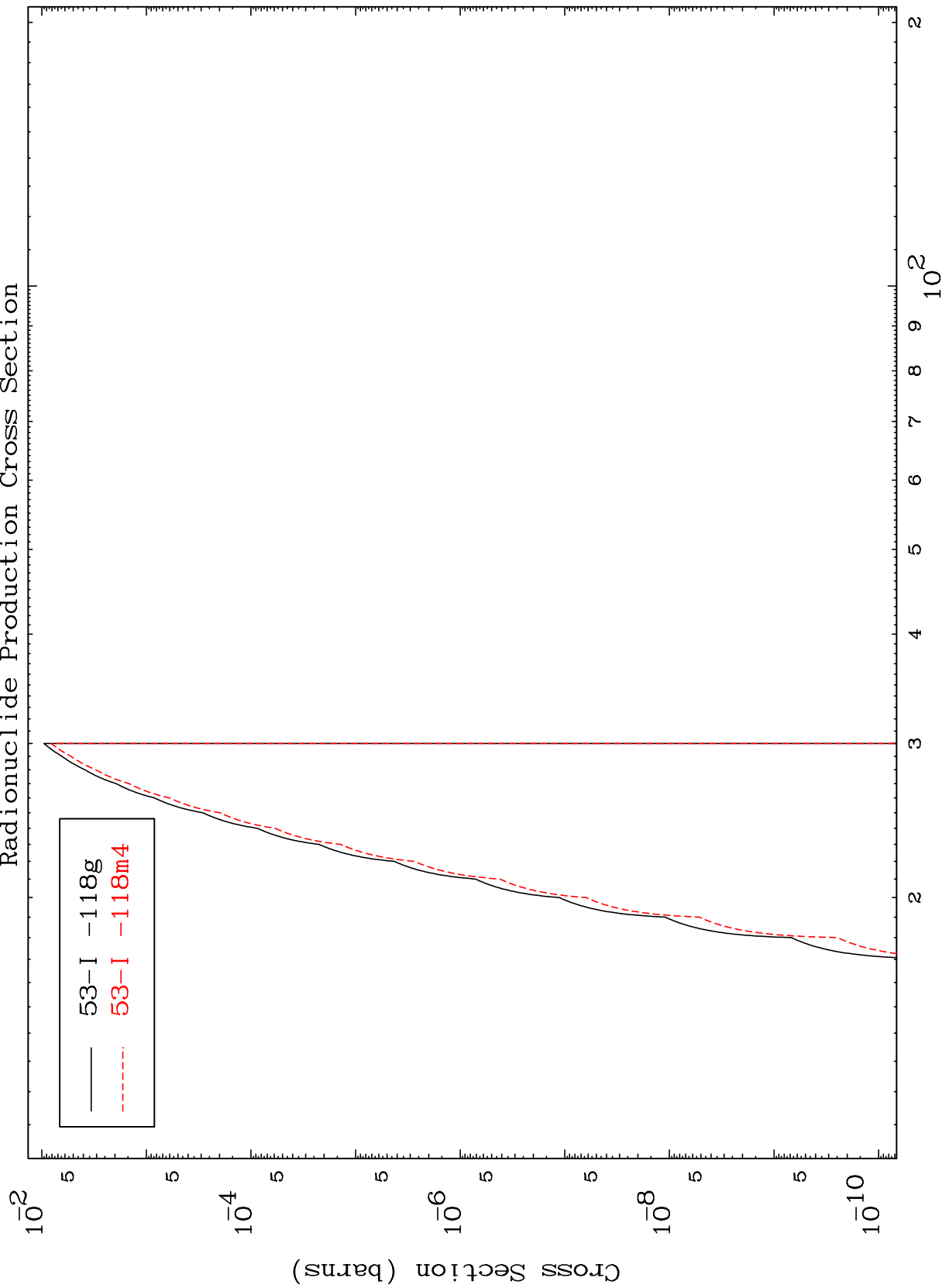
55-Cs-123

MAT 5496

55-Cs-123

(n,2n) α

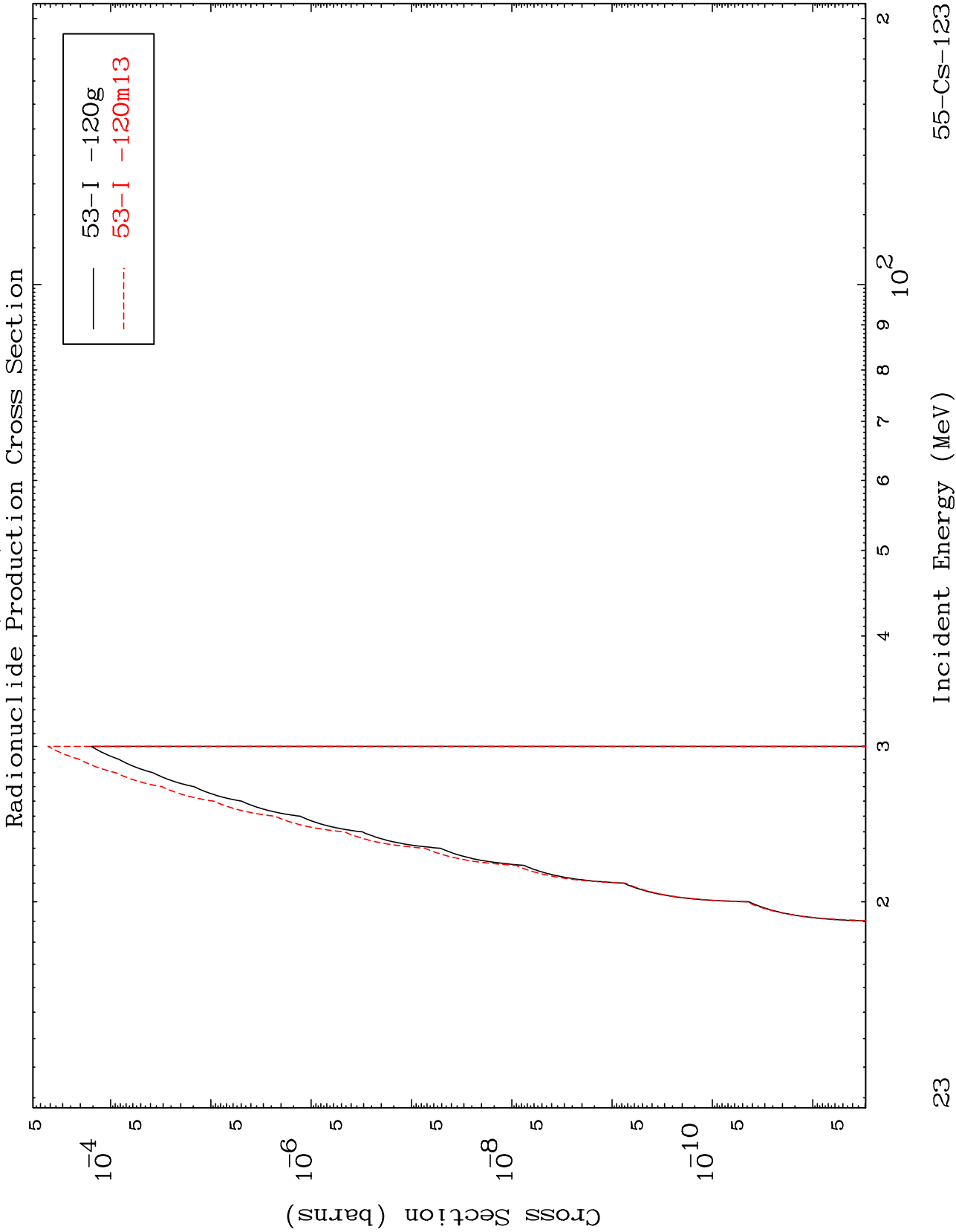
Radionuclide Production Cross Section



55-Cs-123

Incident Energy (MeV)

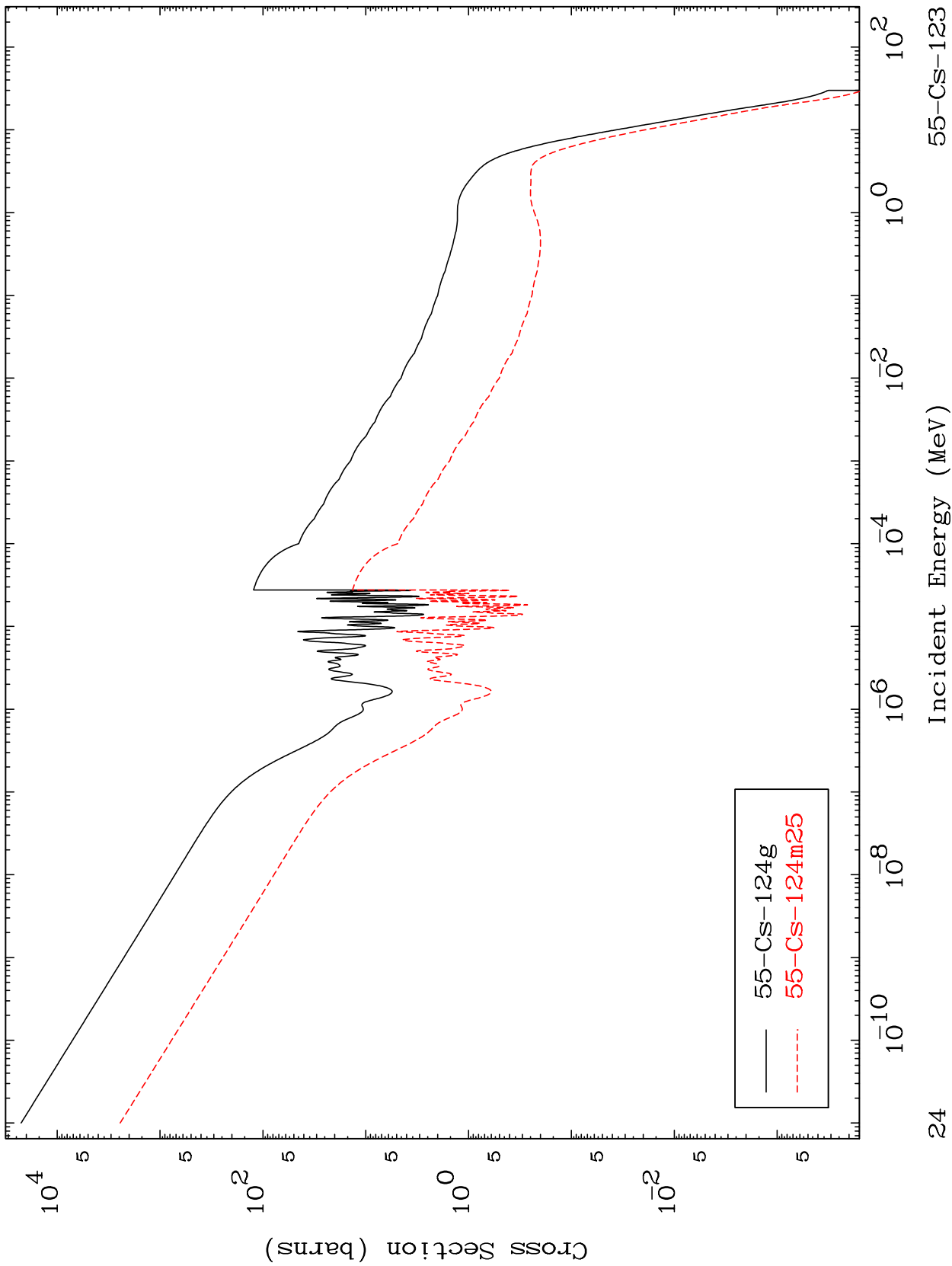
22



MAT 5496

55-Cs-123

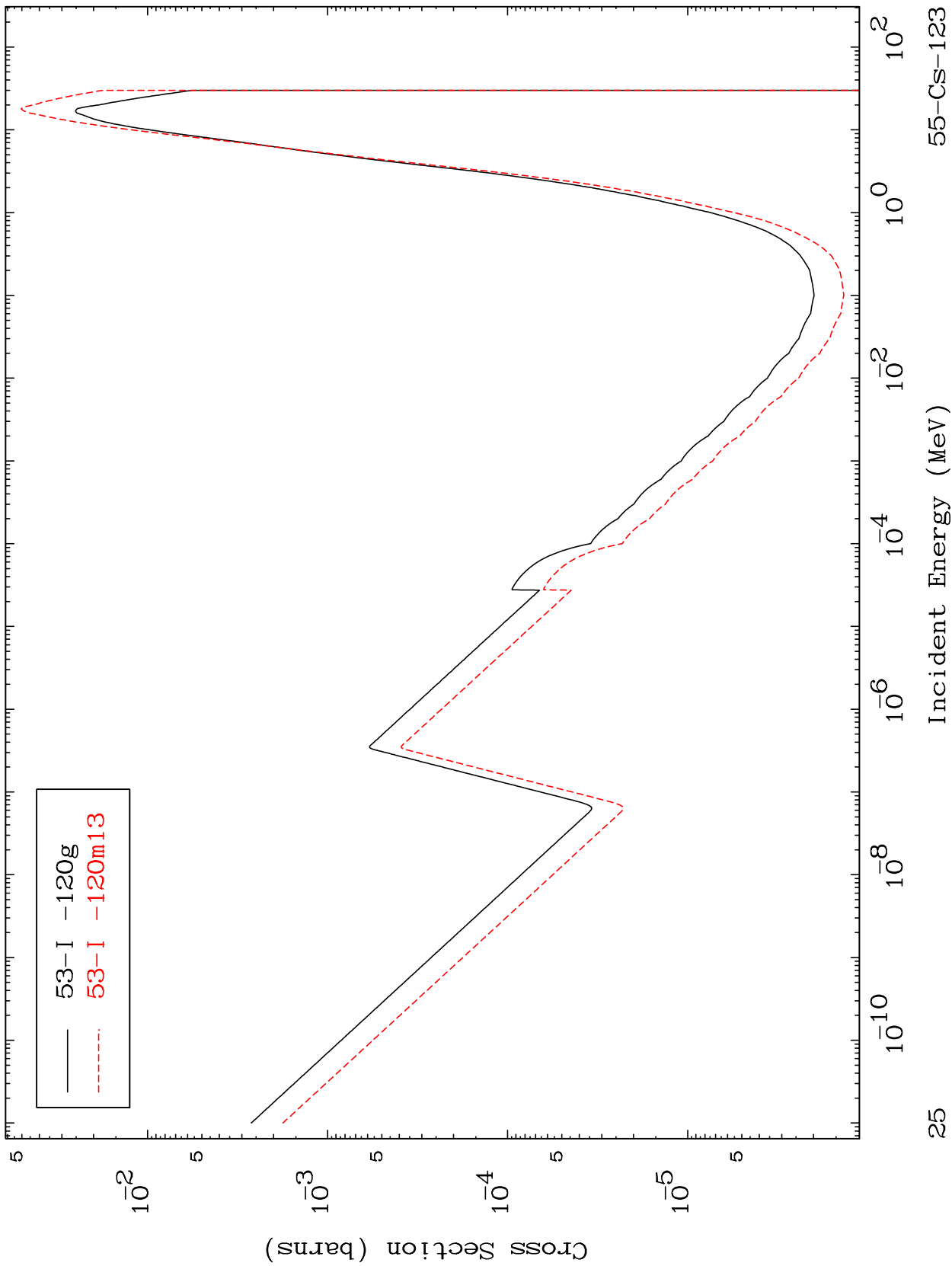
(n, γ)
Radionuclide Production Cross Section



MAT 5496

55-Cs-123

(n, α)
Radionuclide Production Cross Section



25

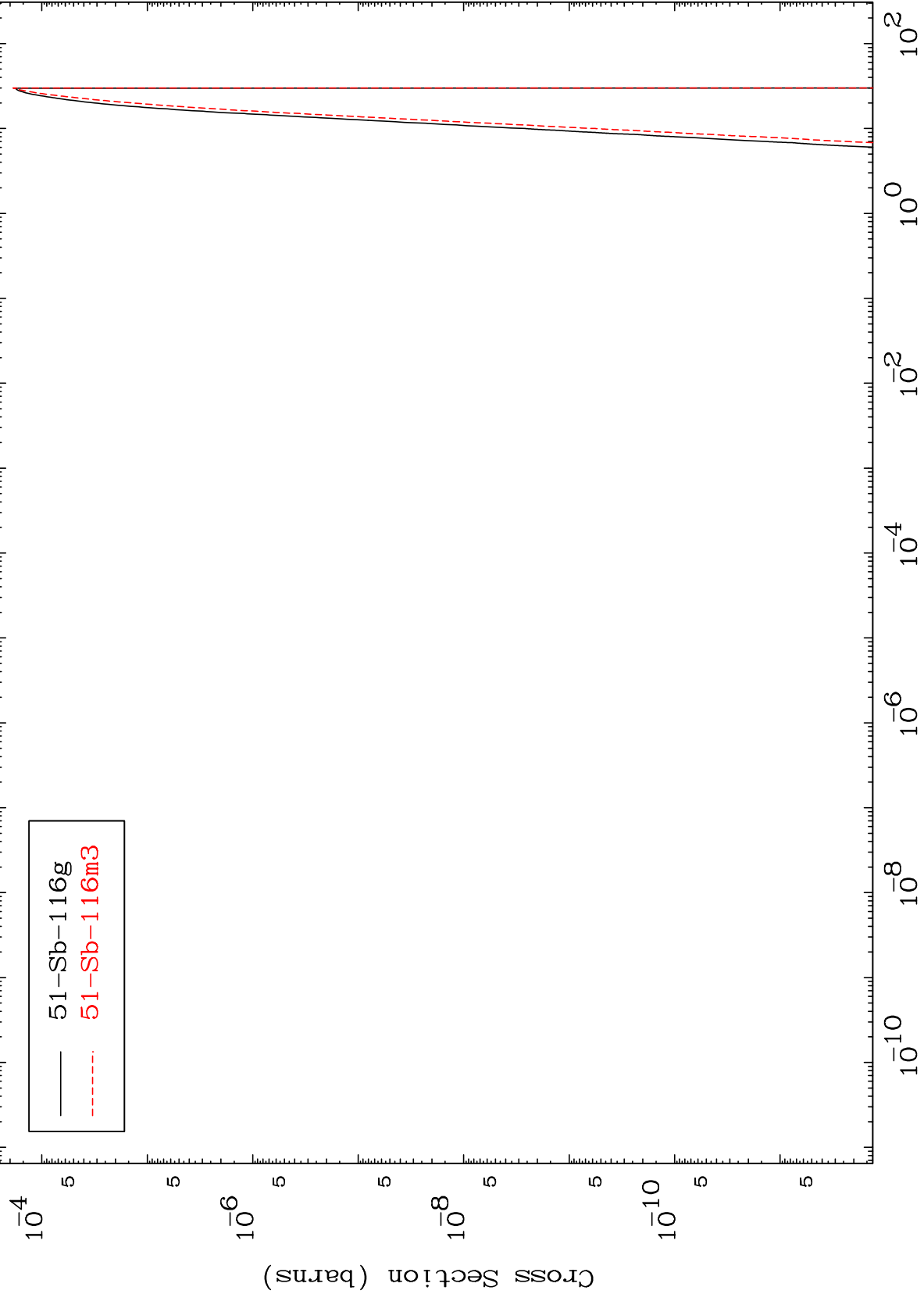
55-Cs-123

MAT 5496

(n,2α)

55-Cs-123

Radionuclide Production Cross Section



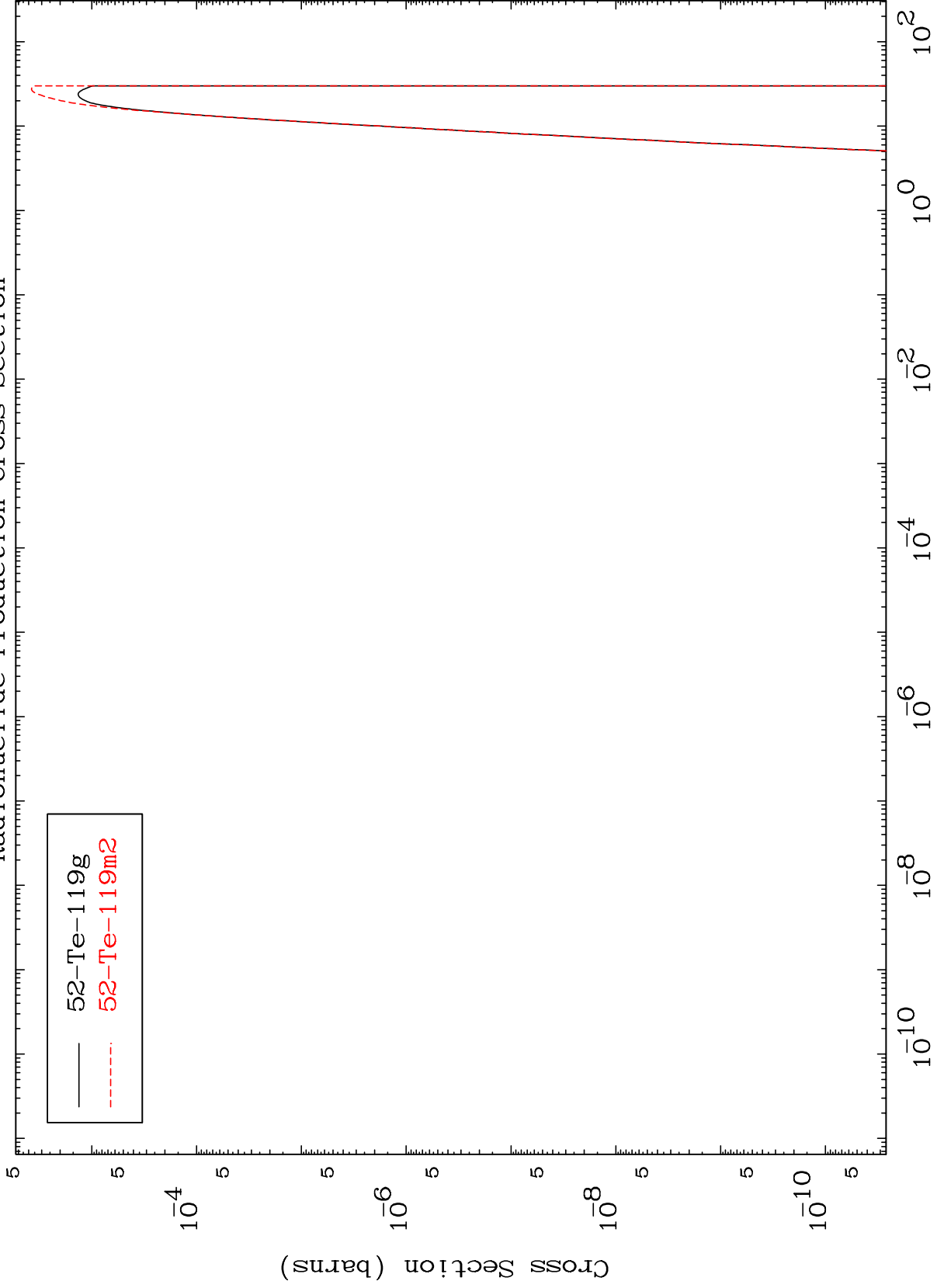
51-Sb-116g
51-Sb-116m3

MAT 5496

(n,p) α

55-Cs-123

Radionuclide Production Cross Section

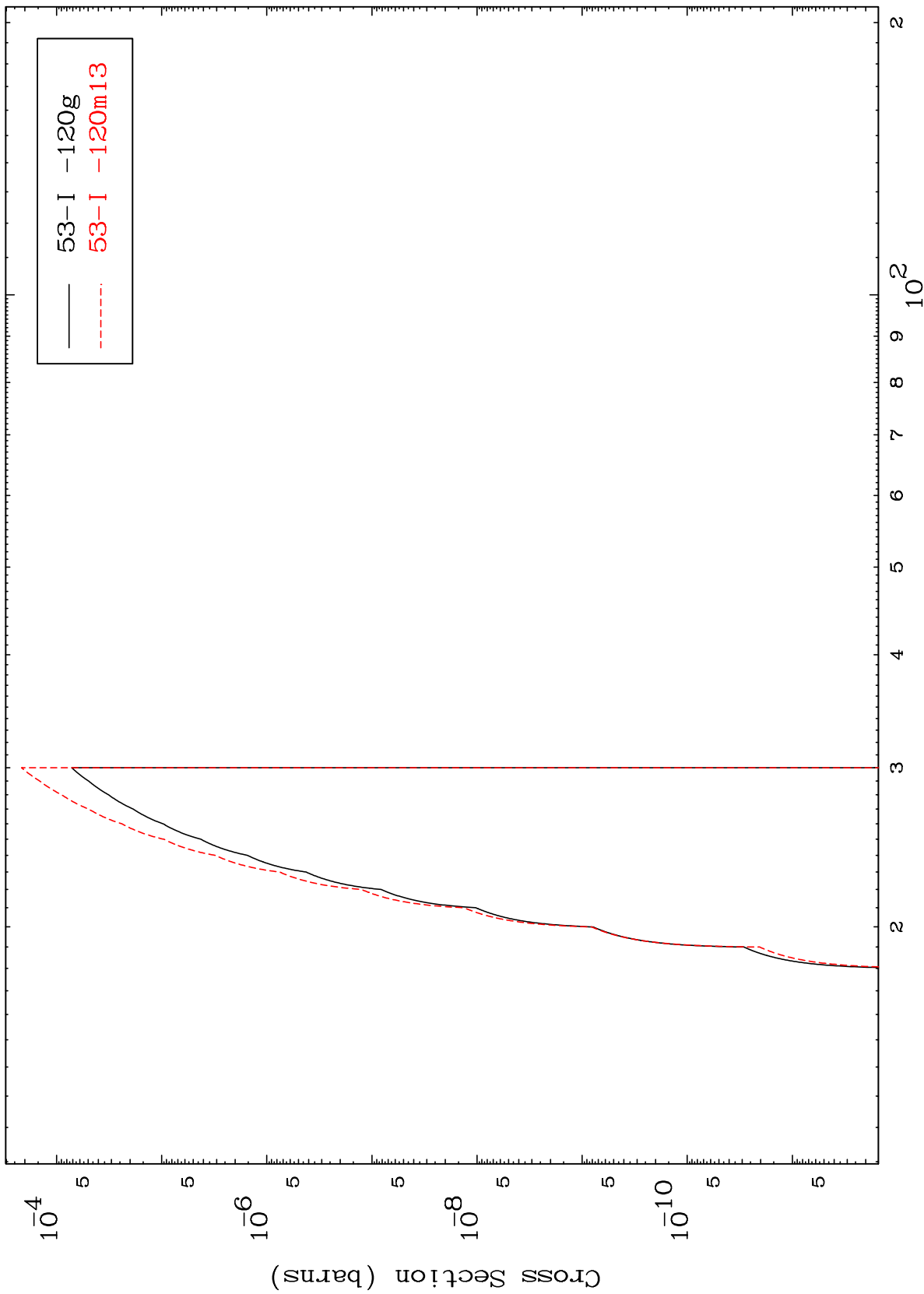


27

Incident Energy (MeV)

55-Cs-123

Radionuclide Production Cross Section



53-I - 120g
53-I - 120m13