

Program EVALPLOT
(Version 2017-1)

by

Dermott E. Cullen
(Present Contact Information)

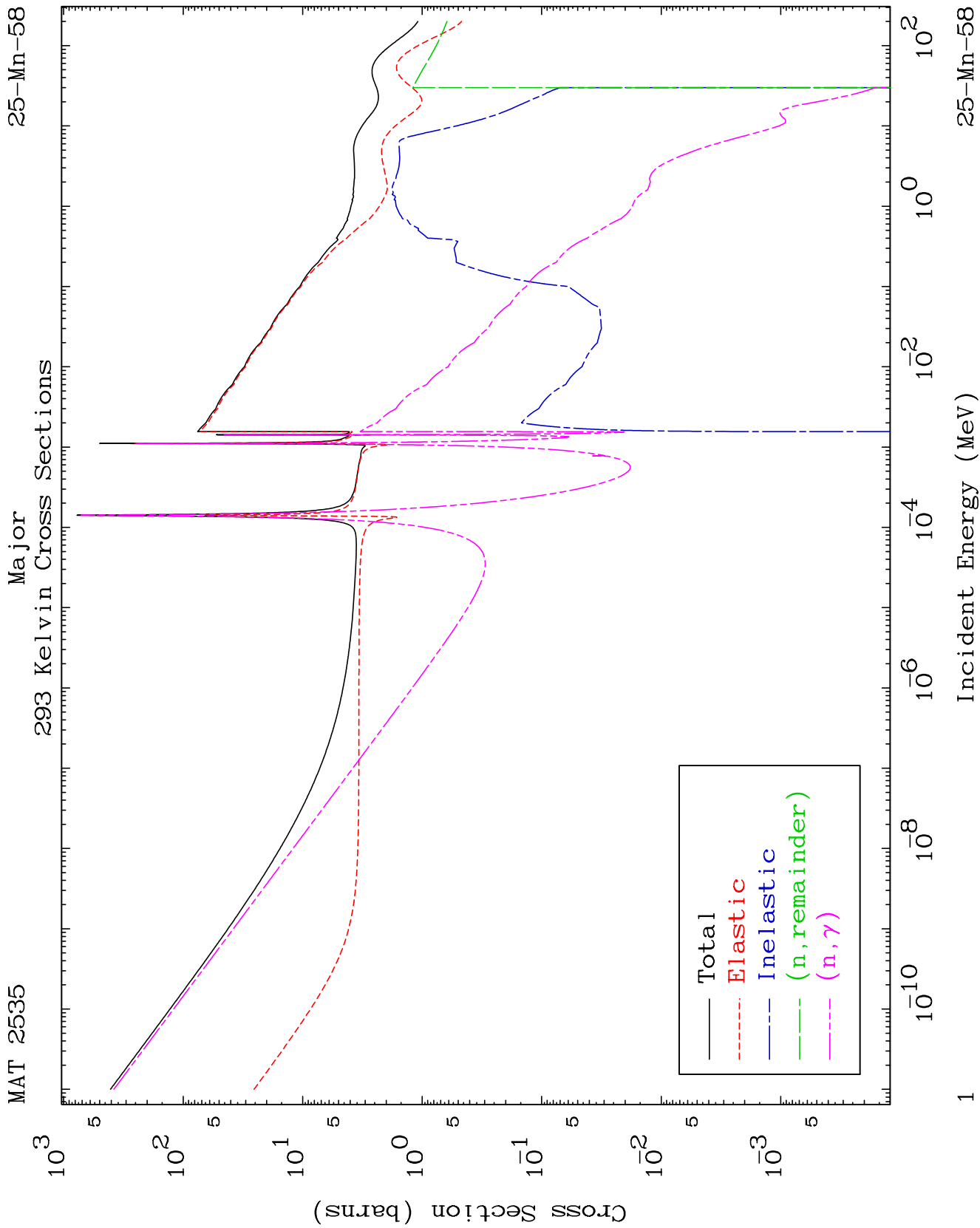
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Web: redcullen1.net/HOMEPAGE.NEW

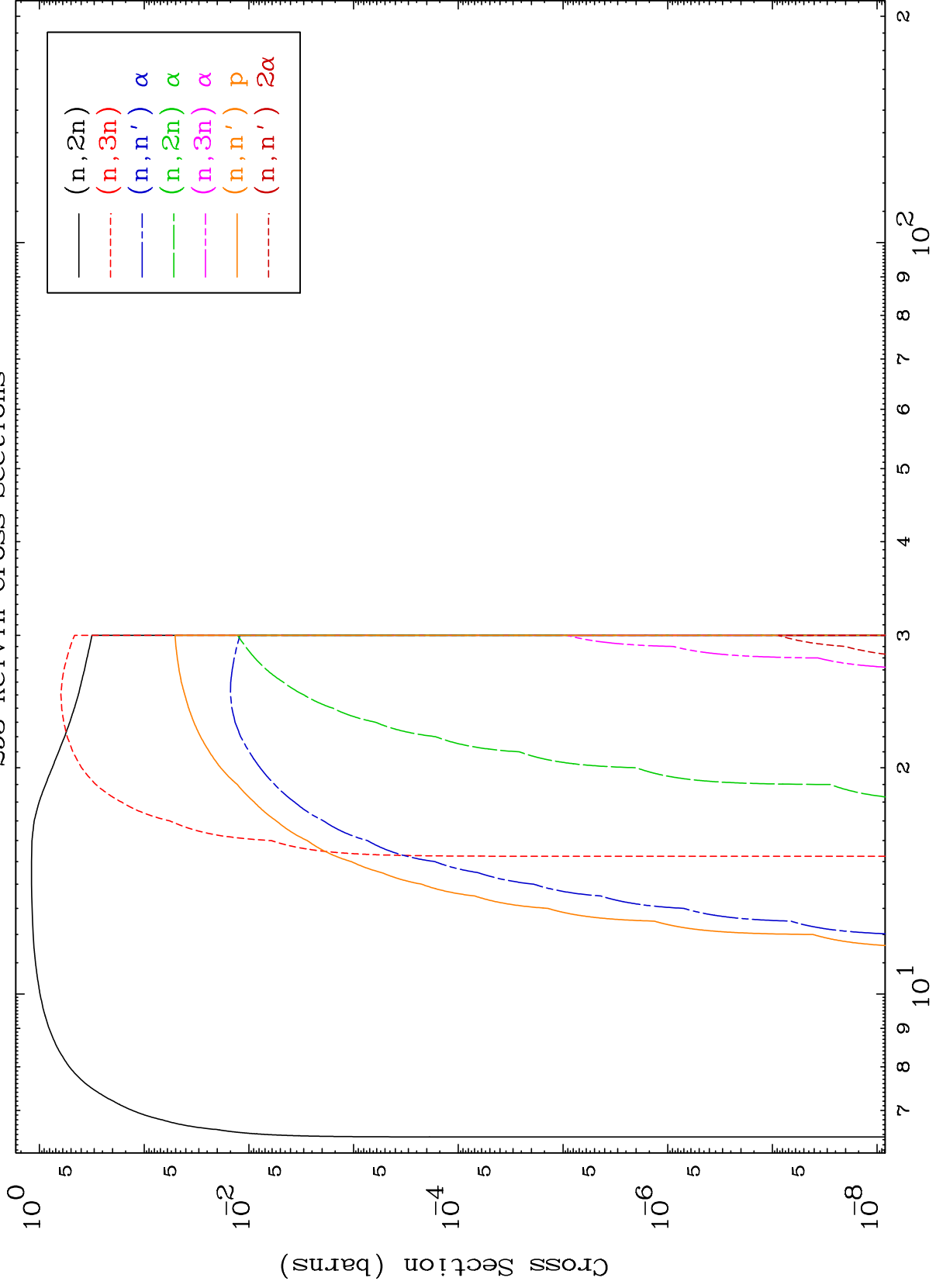
Press Mouse Button to Start



MAT 2535

Neutron Production
293 Kelvin Cross Sections

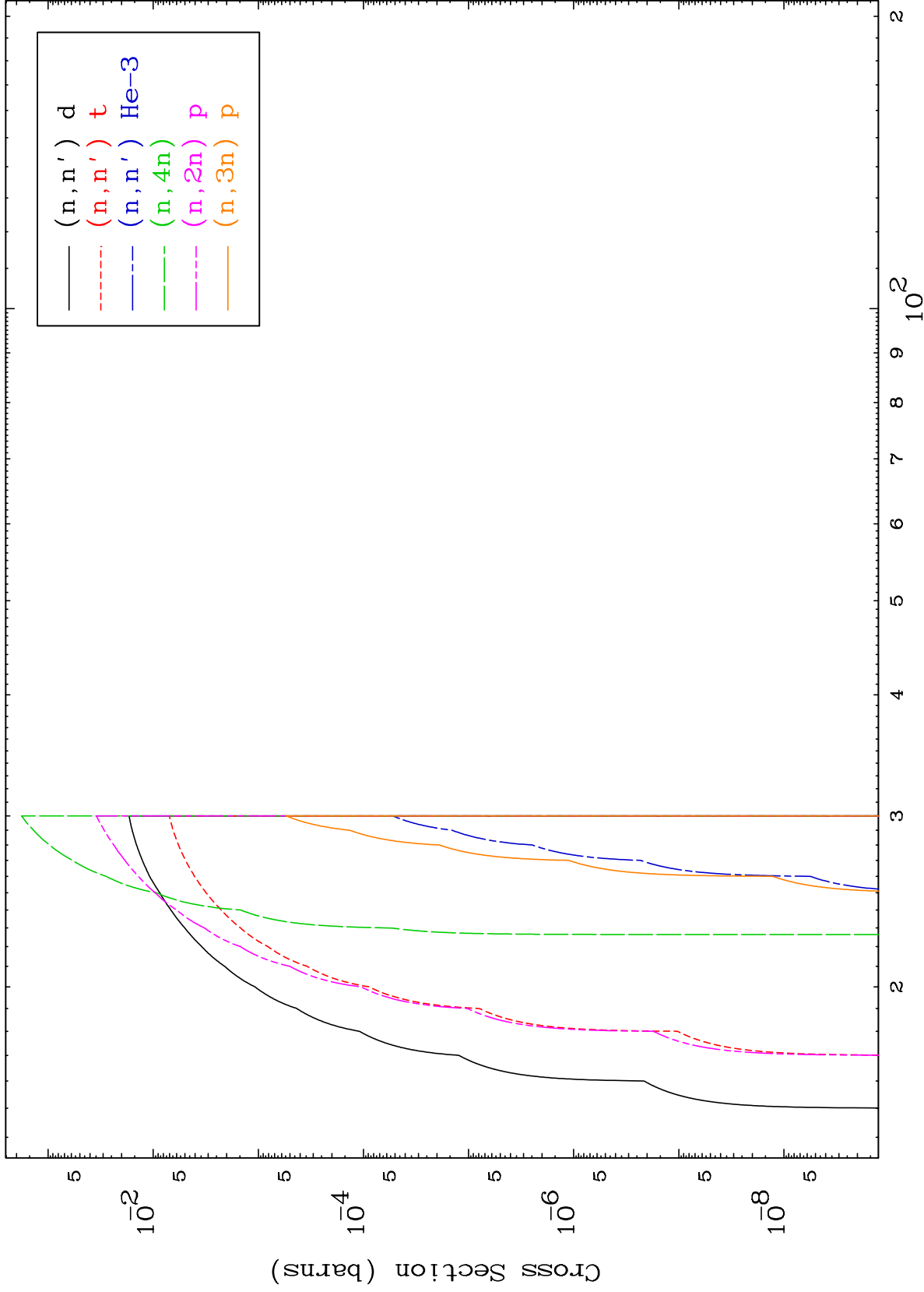
25-Mn-58



2

Incident Energy (MeV)

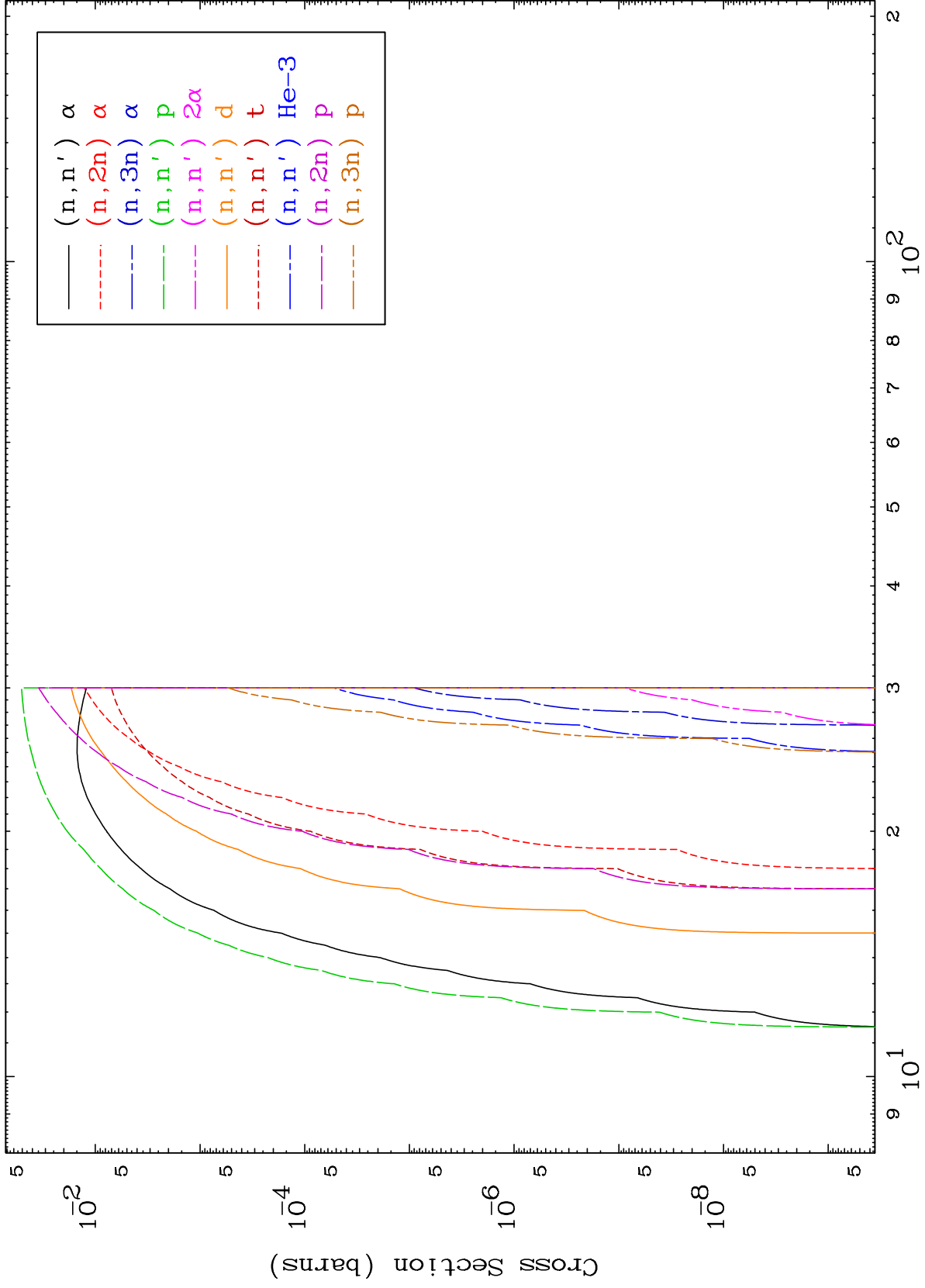
25-Mn-58



MAT 2535

Charged Particle
293 Kelvin Cross Sections

25-Mn-58



4

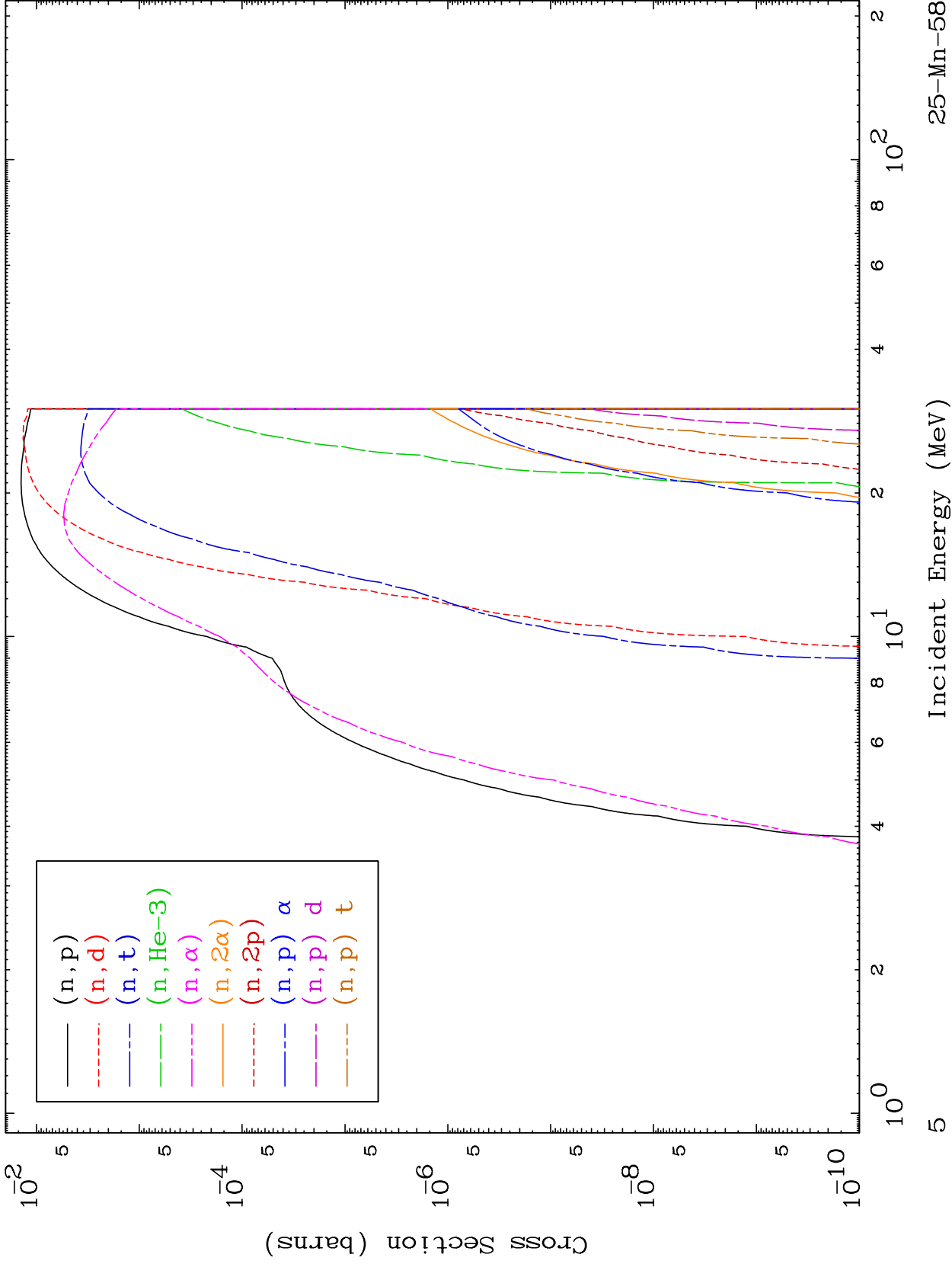
Incident Energy (MeV)

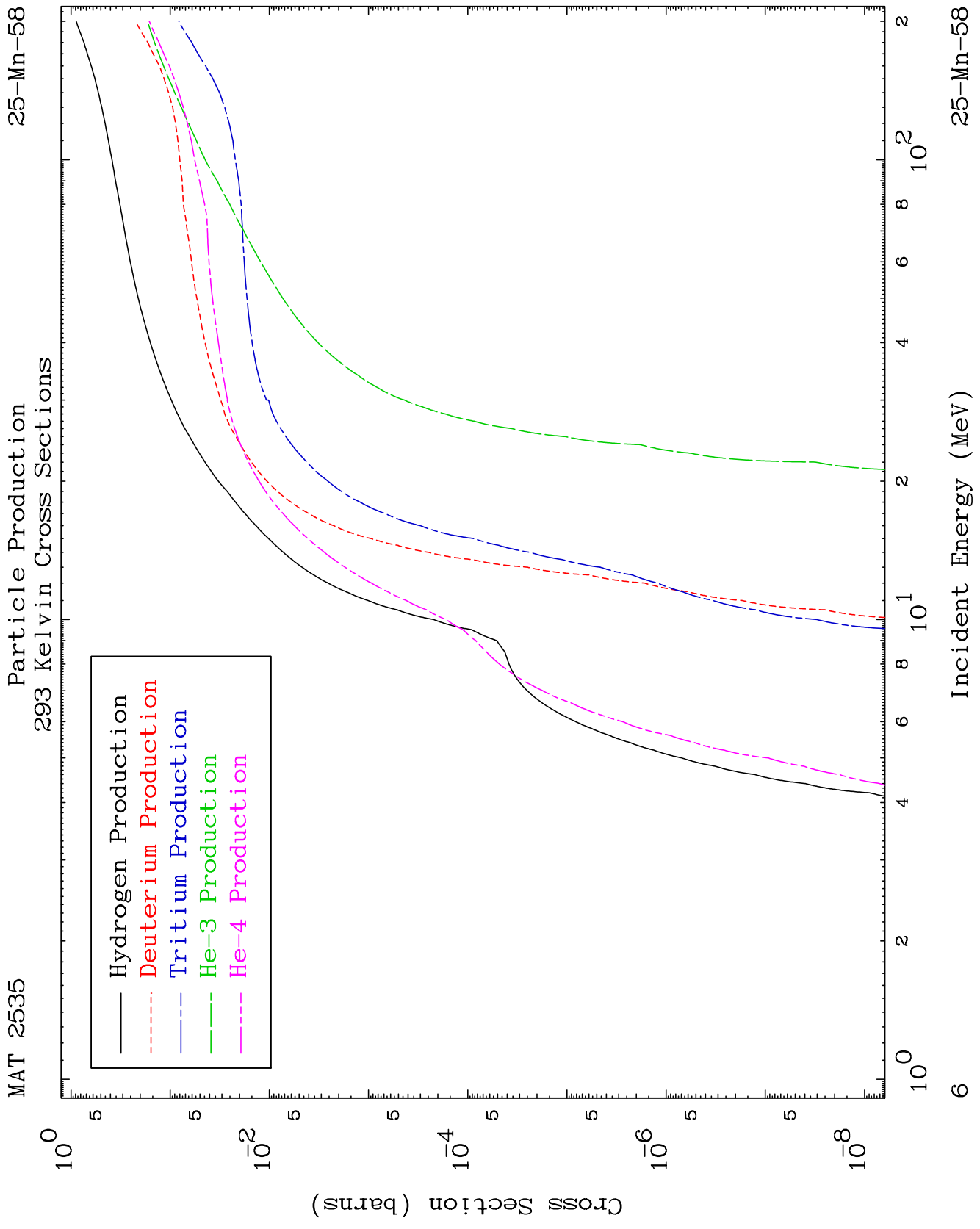
25-Mn-58

MAT 2535

Charged Particle
293 Kelvin Cross Sections

25-Mn-58

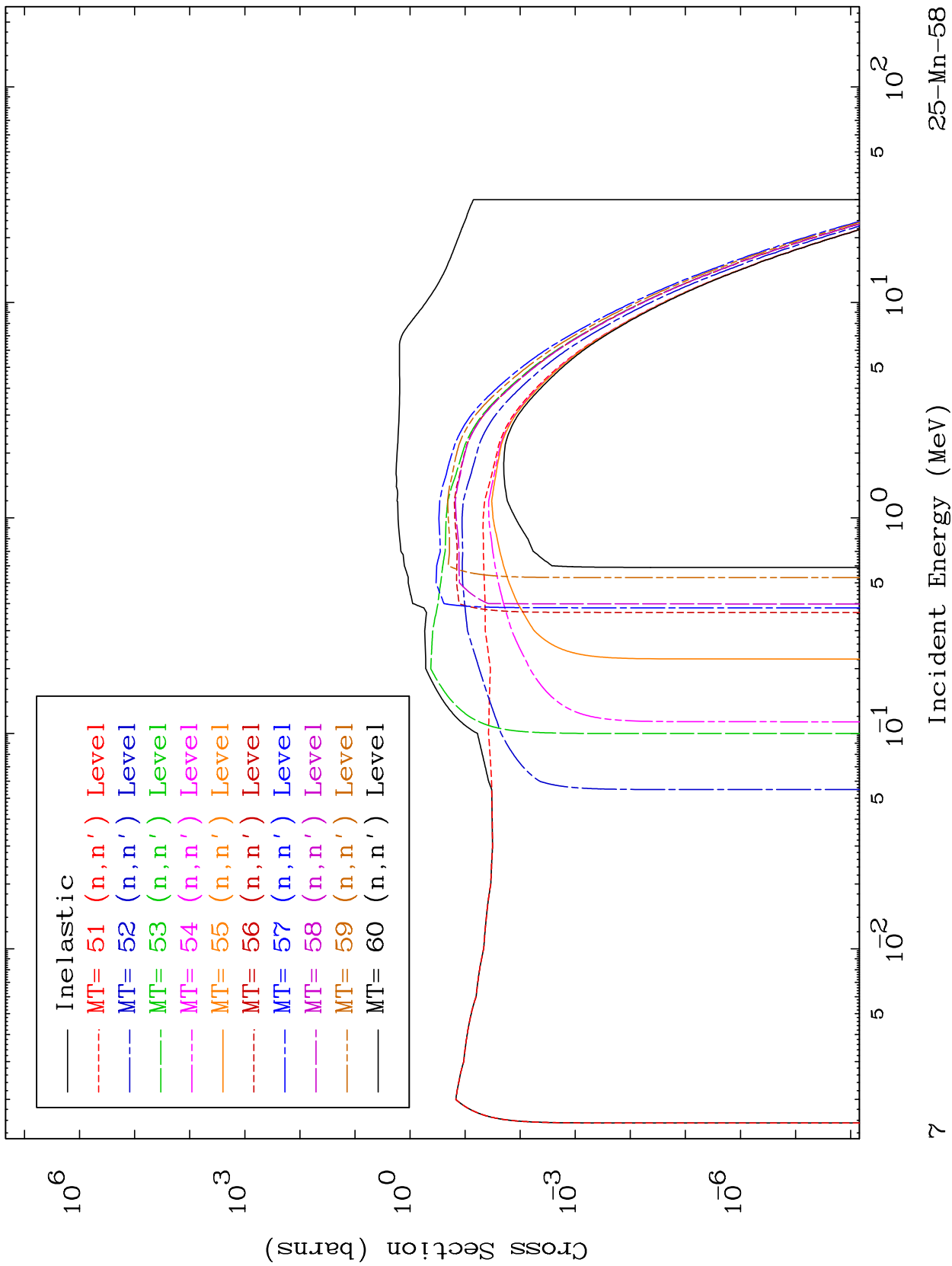




MAT 2535

(n,n') Level
293 Kelvin Cross Sections

25-Mn-58

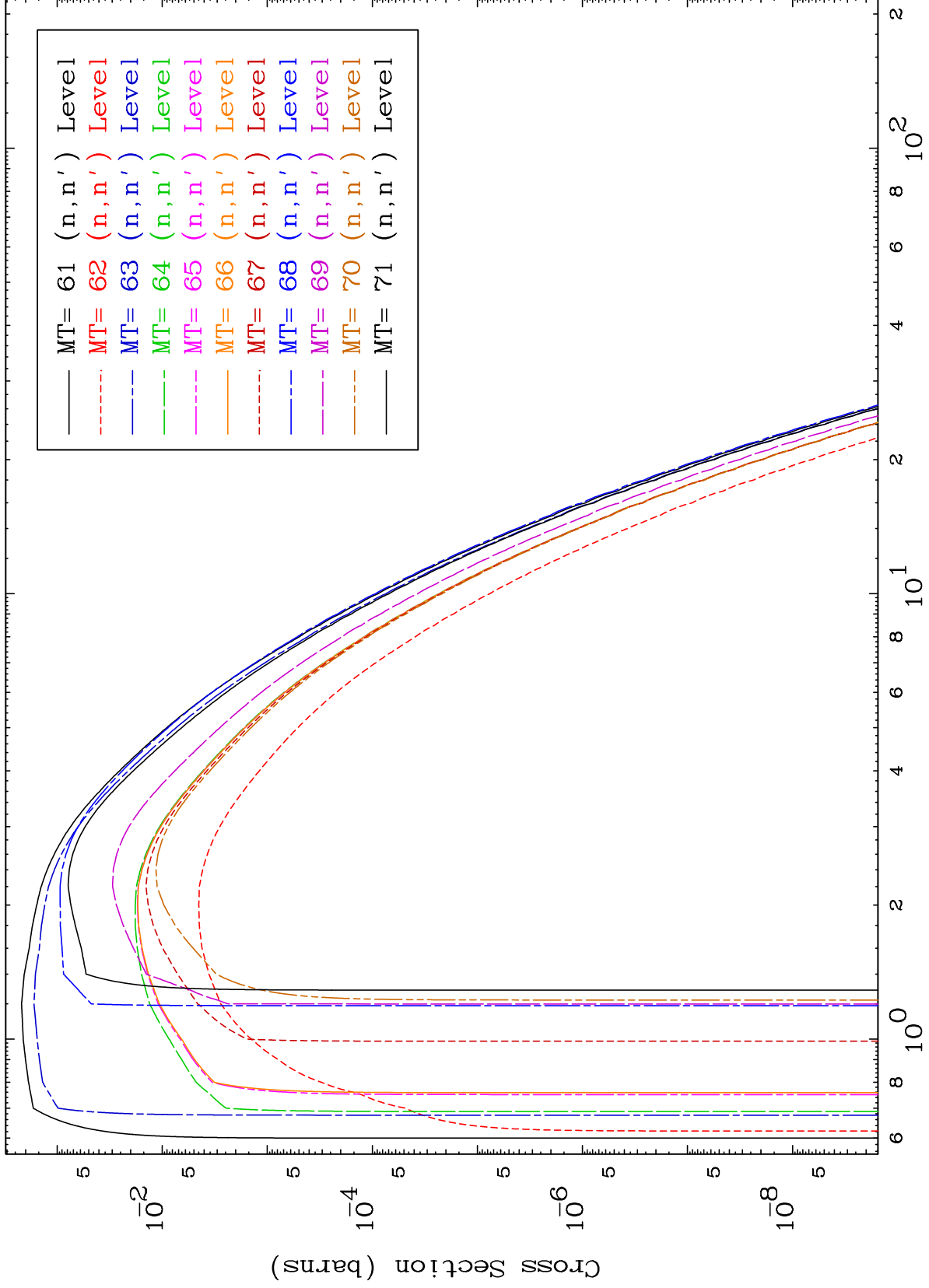


MAT 2535

(n,n') Level

25-Mn-58

293 Kelvin Cross Sections



8

Incident Energy (MeV)

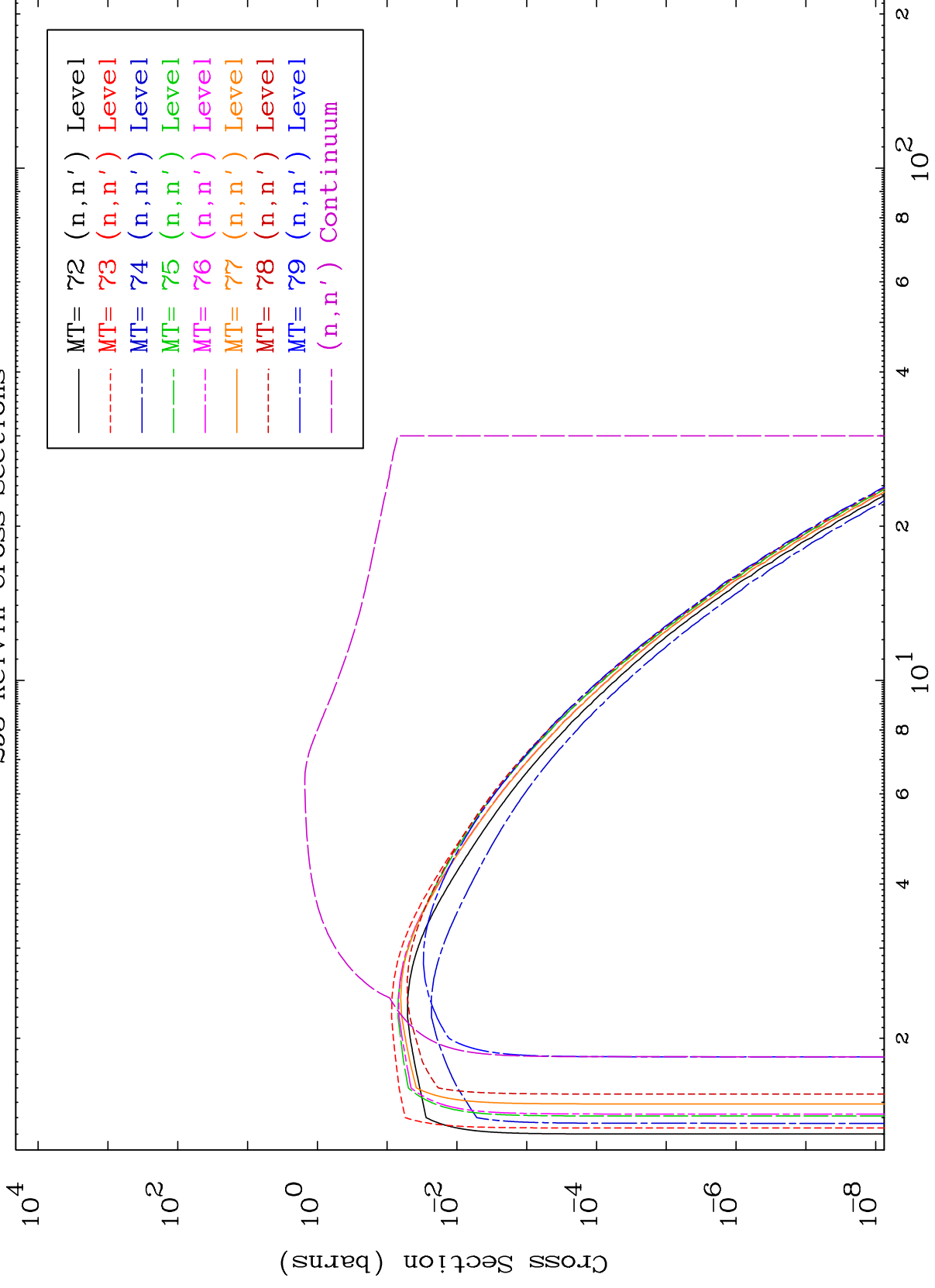
25-Mn-58

MAT 2535

(n,n') Level

25-Mn-58

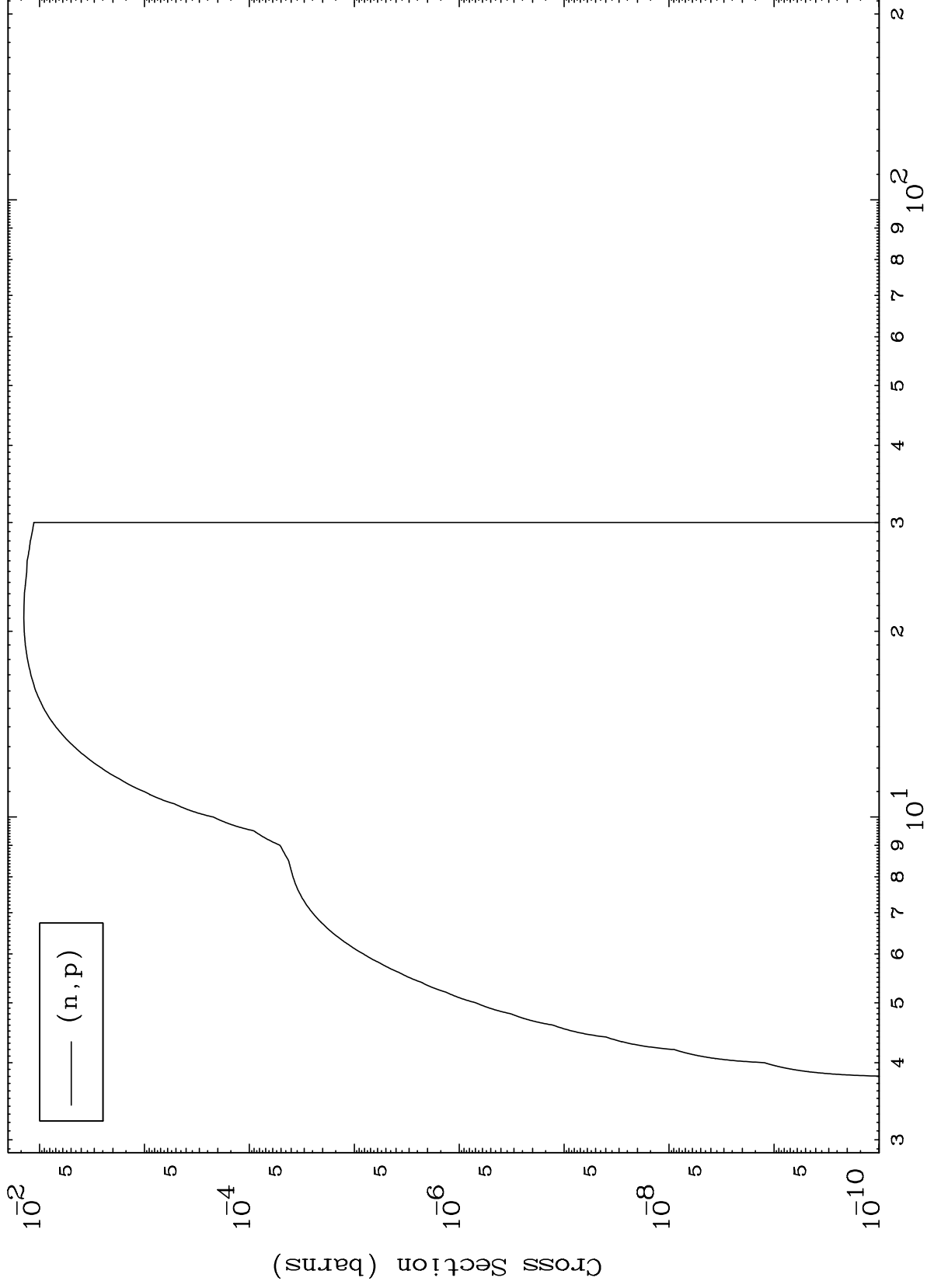
293 Kelvin Cross Sections



MAT 2535

(n,p) Levels
293 Kelvin Cross Sections

25-Mn-58



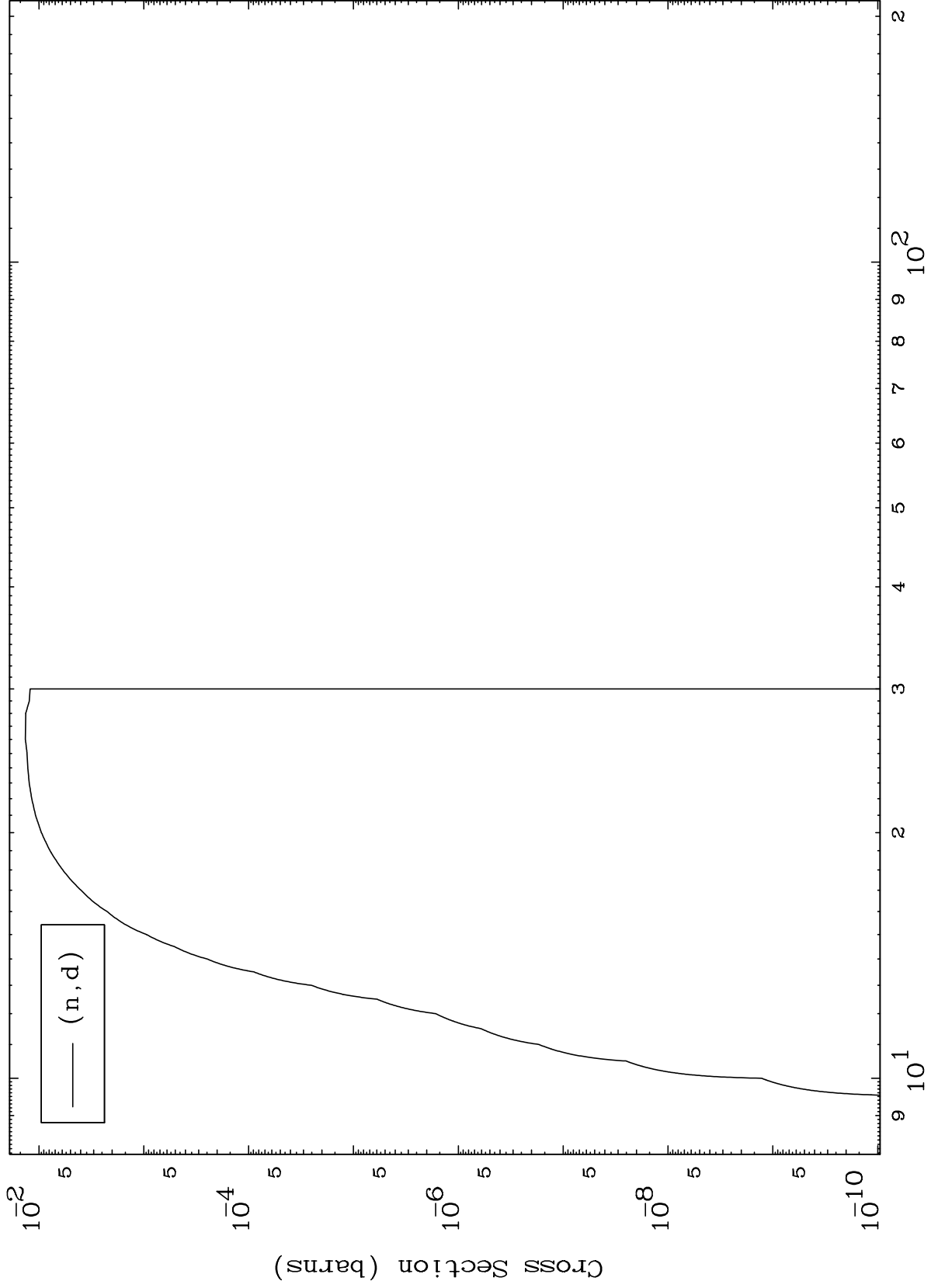
Incident Energy (MeV)

25-Mn-58

MAT 2535

(n,d) Levels
293 Kelvin Cross Sections

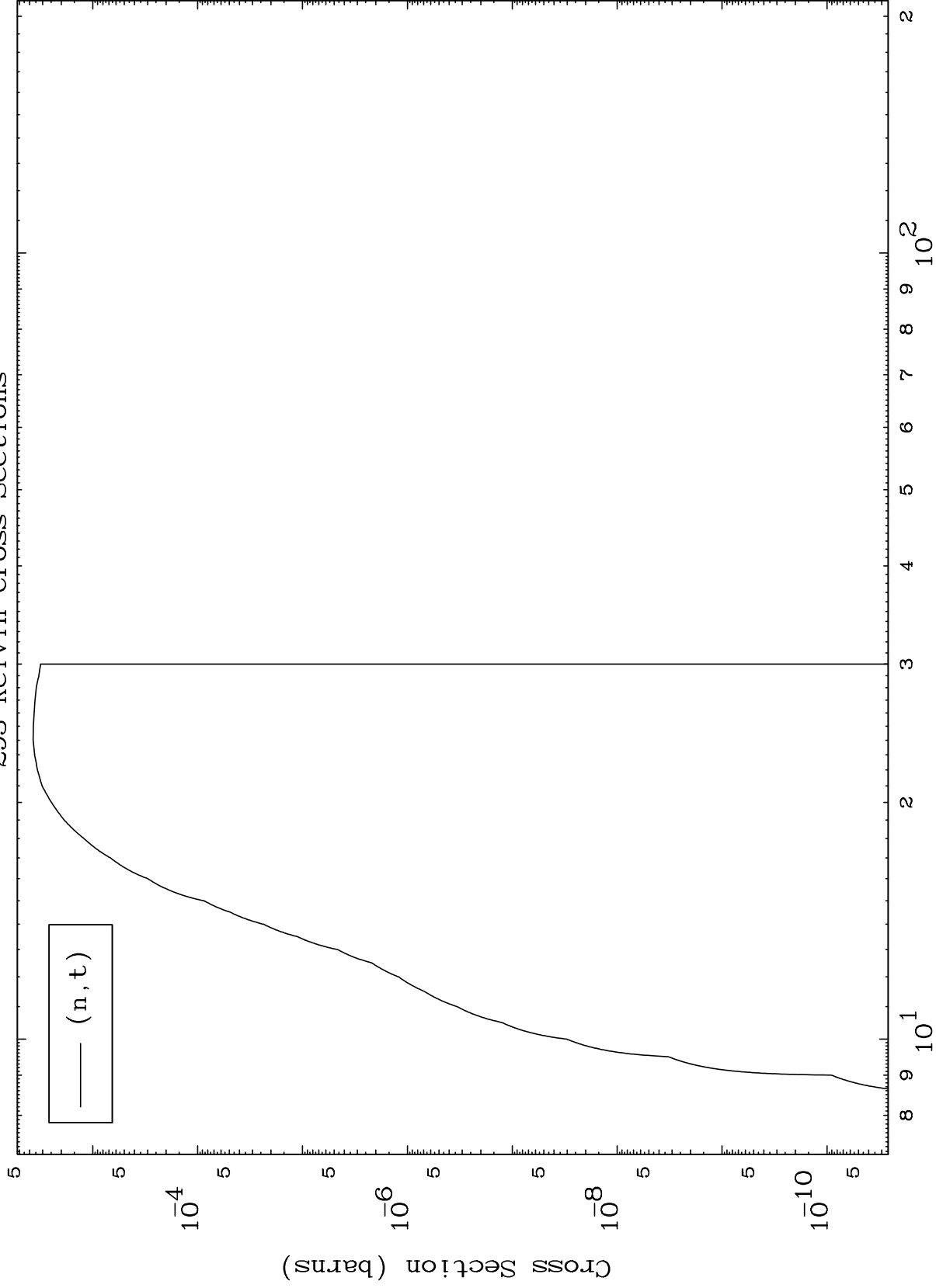
25-Mn-58



MAT 2535

(n,t) Levels
293 Kelvin Cross Sections

25-Mn-58



12

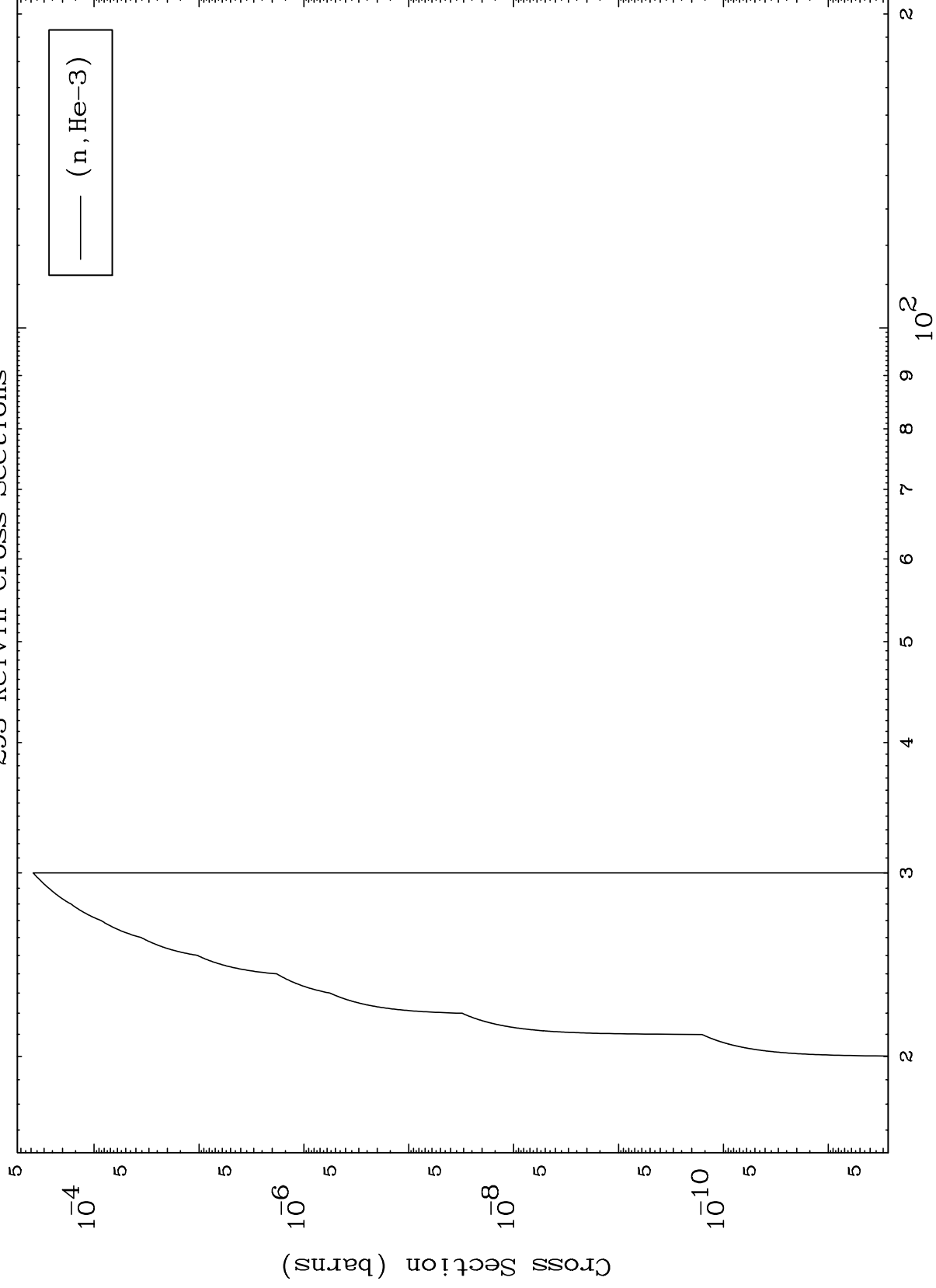
Incident Energy (MeV)

25-Mn-58

MAT 2535

(n,He3) Levels
293 Kelvin Cross Sections

25-Mn-58



13

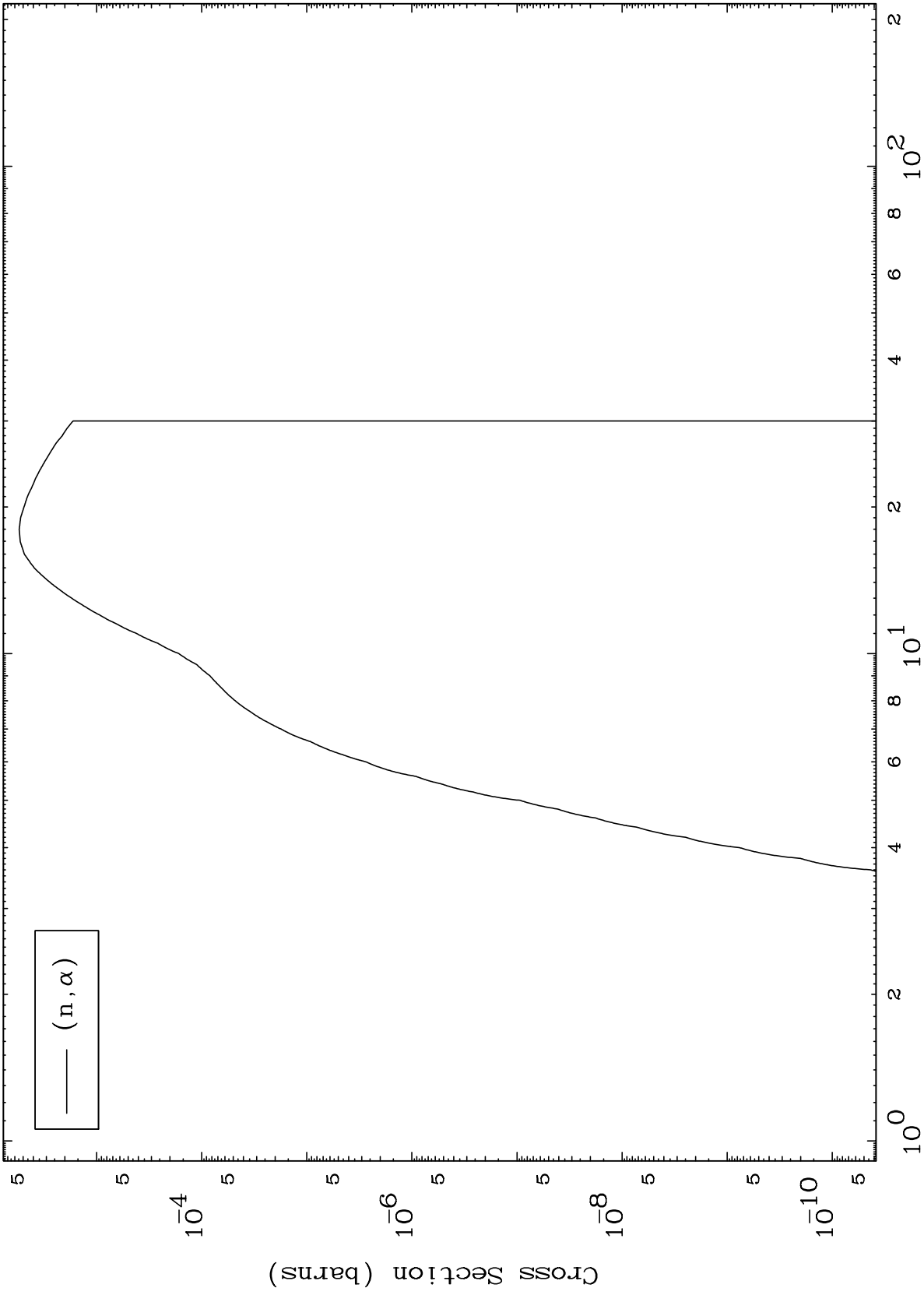
Incident Energy (MeV)

25-Mn-58

MAT 2535

(n, α) Levels
293 Kelvin Cross Sections

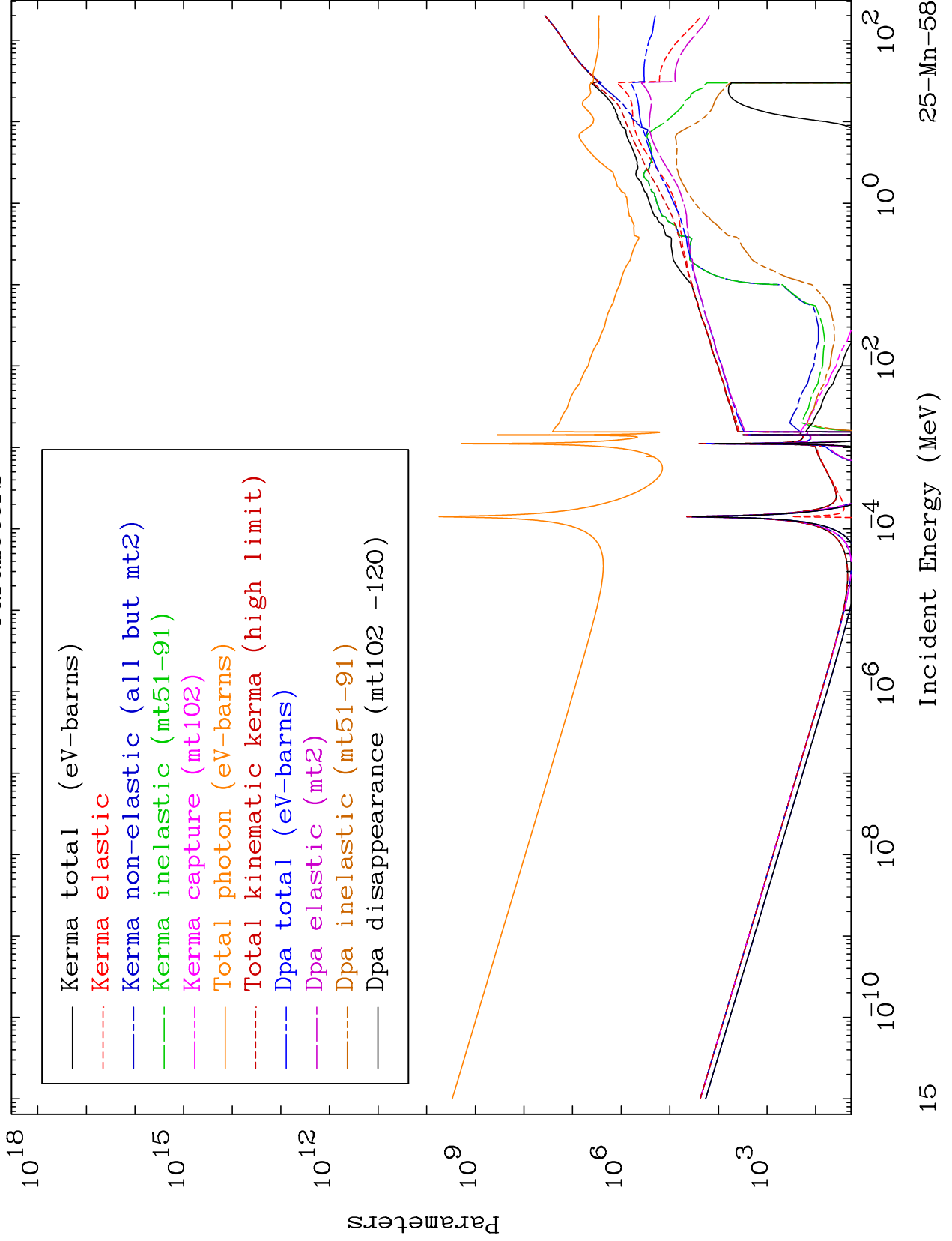
25-Mn-58

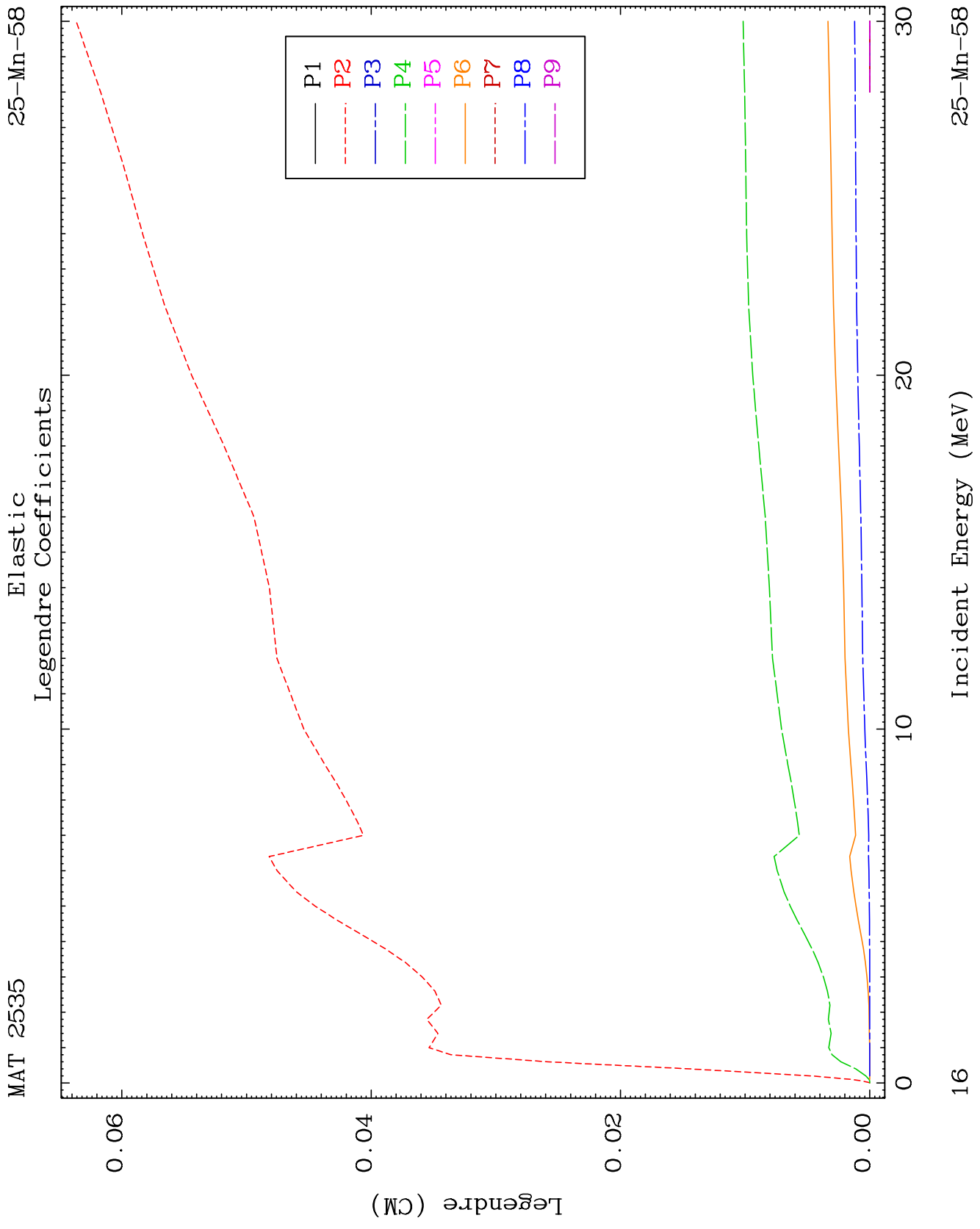


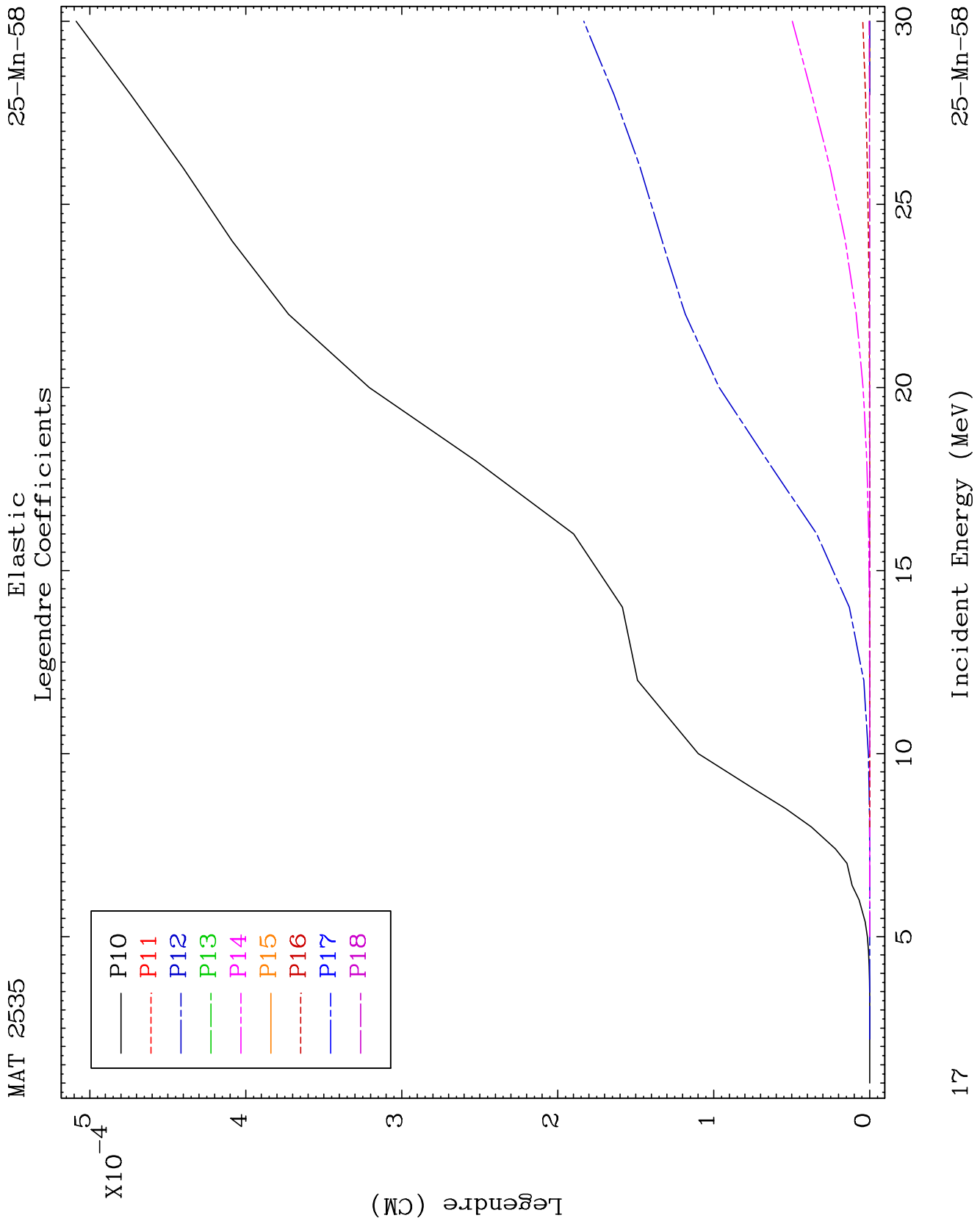
Incident Energy (MeV)

25-Mn-58

14



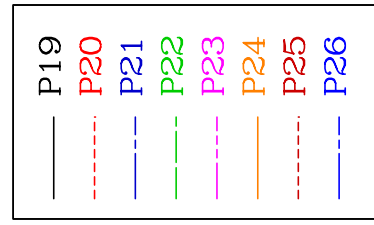




MAT 2535

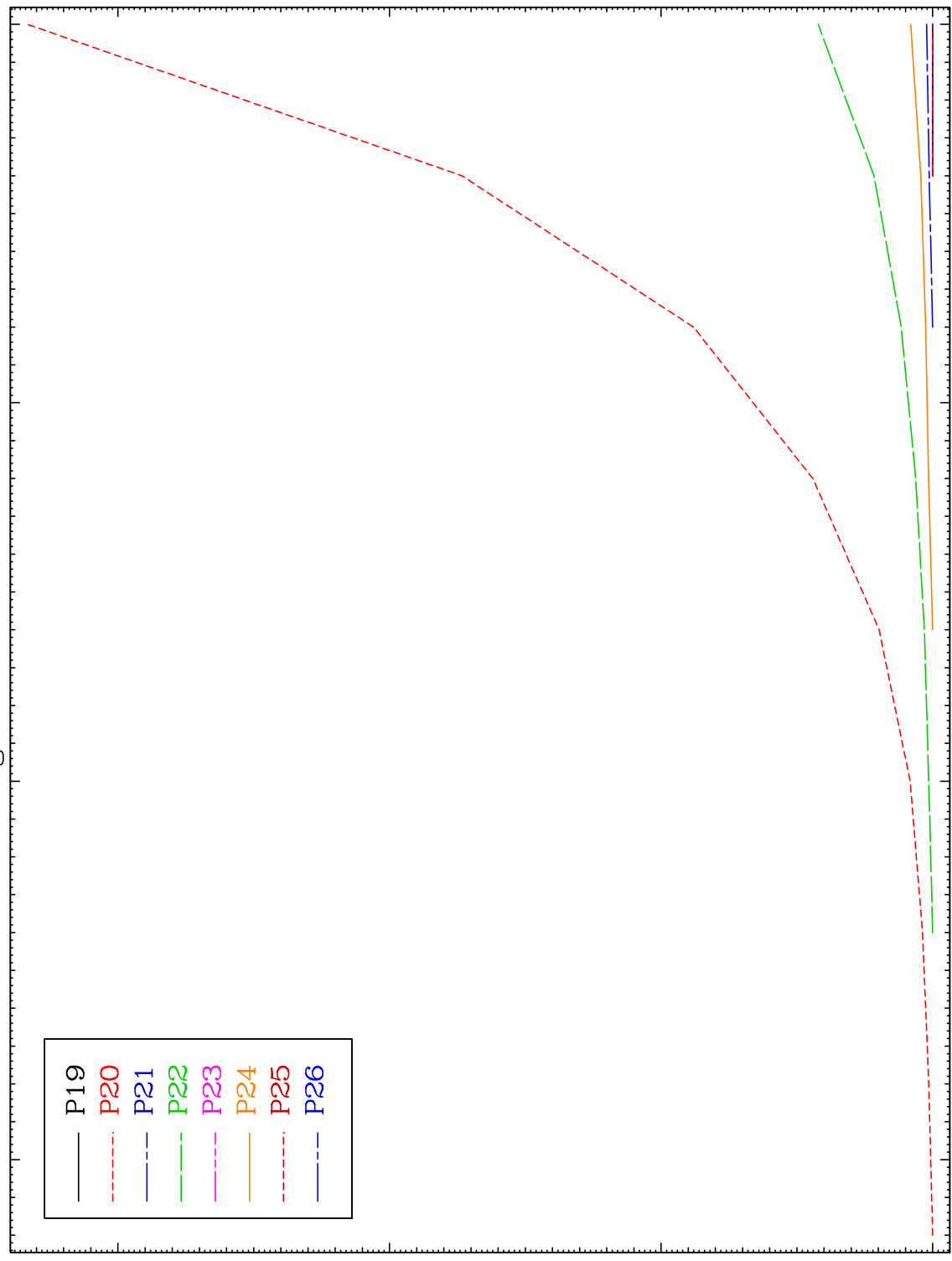
Elastic
Legendre Coefficients

25-Mn-58



$\times 10^{-8}$

Legendre (CM)



18

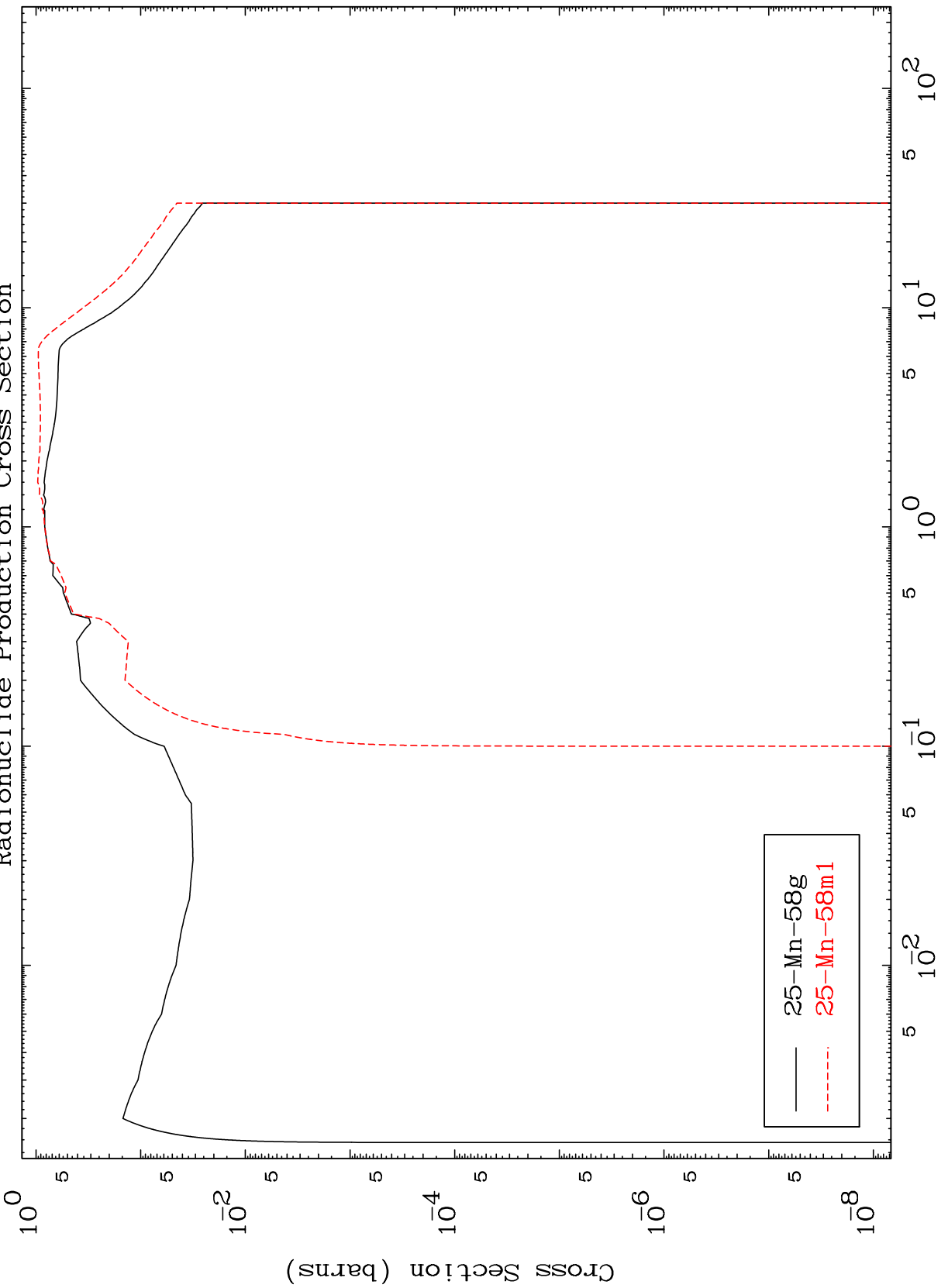
Incident Energy (MeV)

25-Mn-58

MAT 2535

25-Mn-58

Inelastic
Radionuclide Production Cross Section



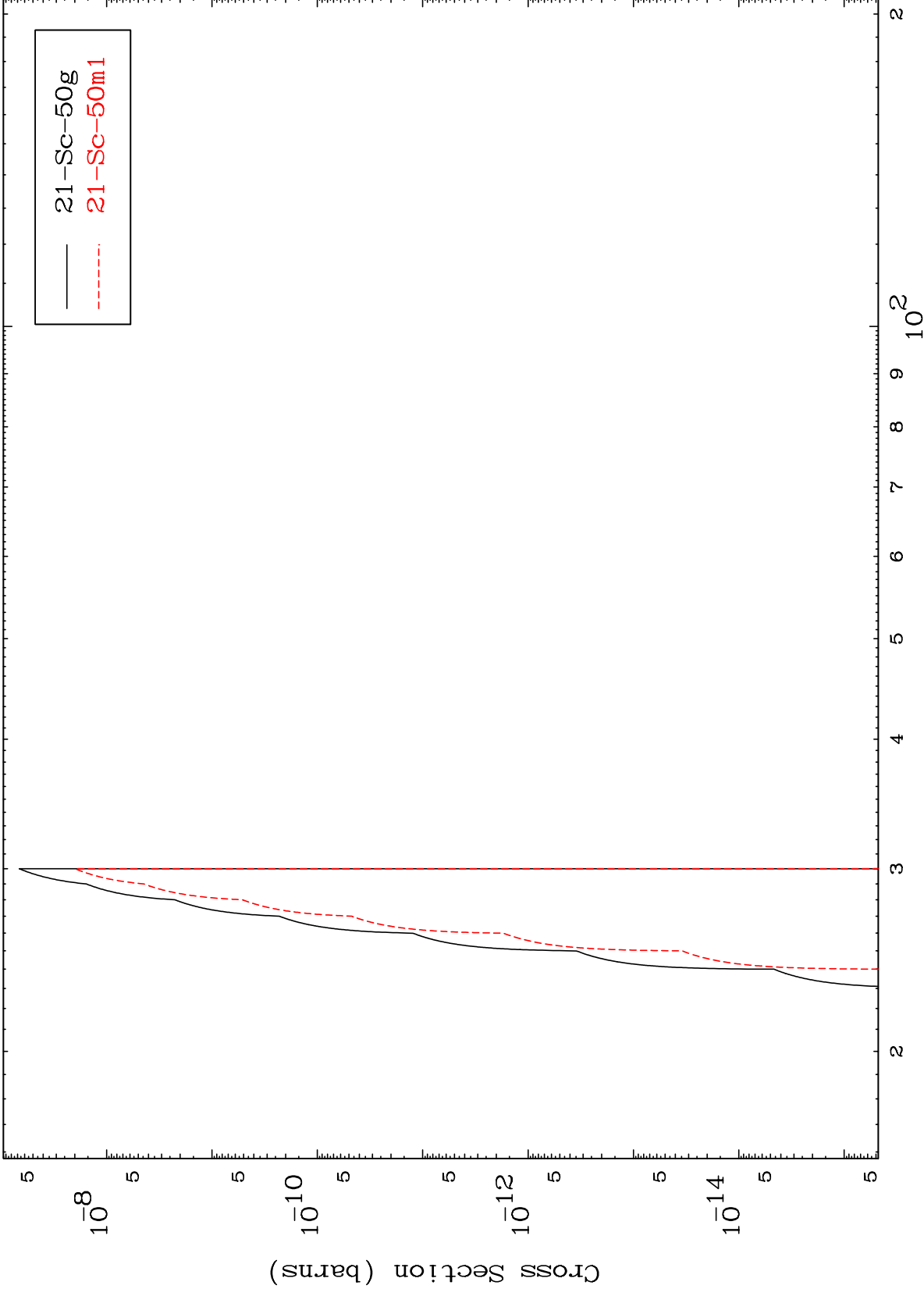
— 25-Mn-58g
- - - 25-Mn-58m1

MAT 2535

(n,n') 2α

25-Mn-58

Radionuclide Production Cross Section



20

Incident Energy (MeV)

25-Mn-58