

Program EVALPLOT  
(Version 2018-1)

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](mailto:redcullen1@comcast.net)

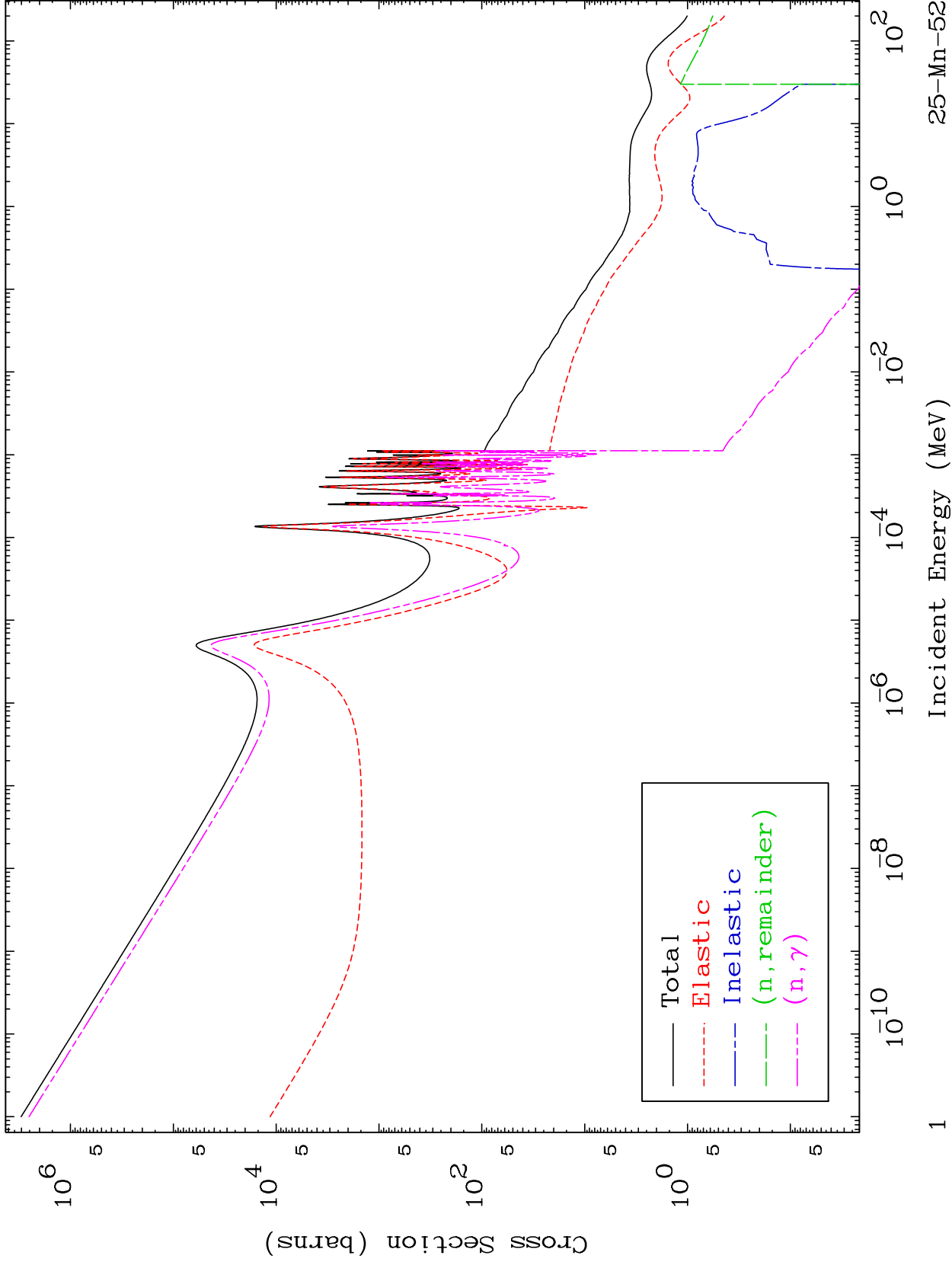
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

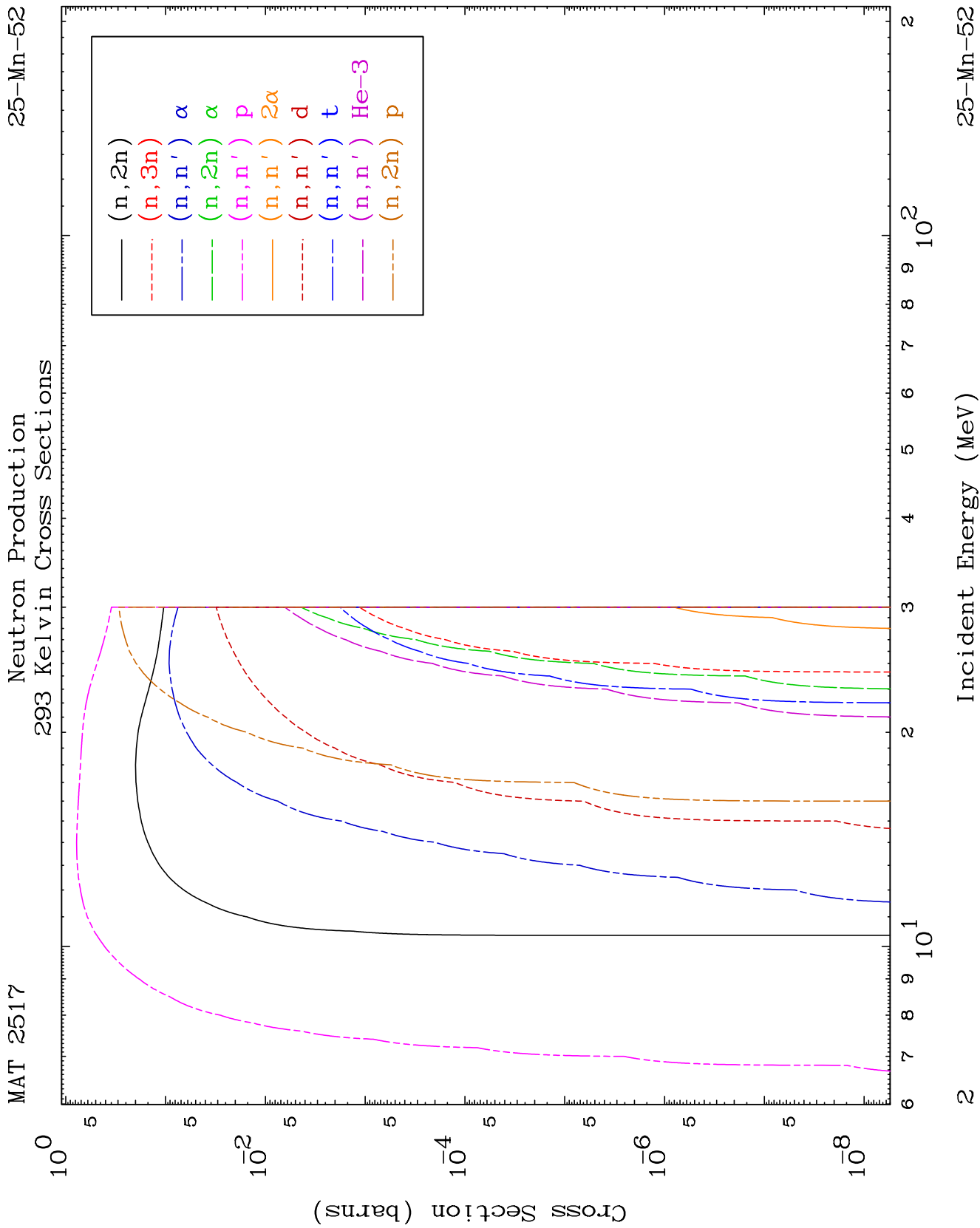
Press Mouse Button to Start

MAT 2517

Major  
293 Kelvin Cross Sections

25-Mn-52

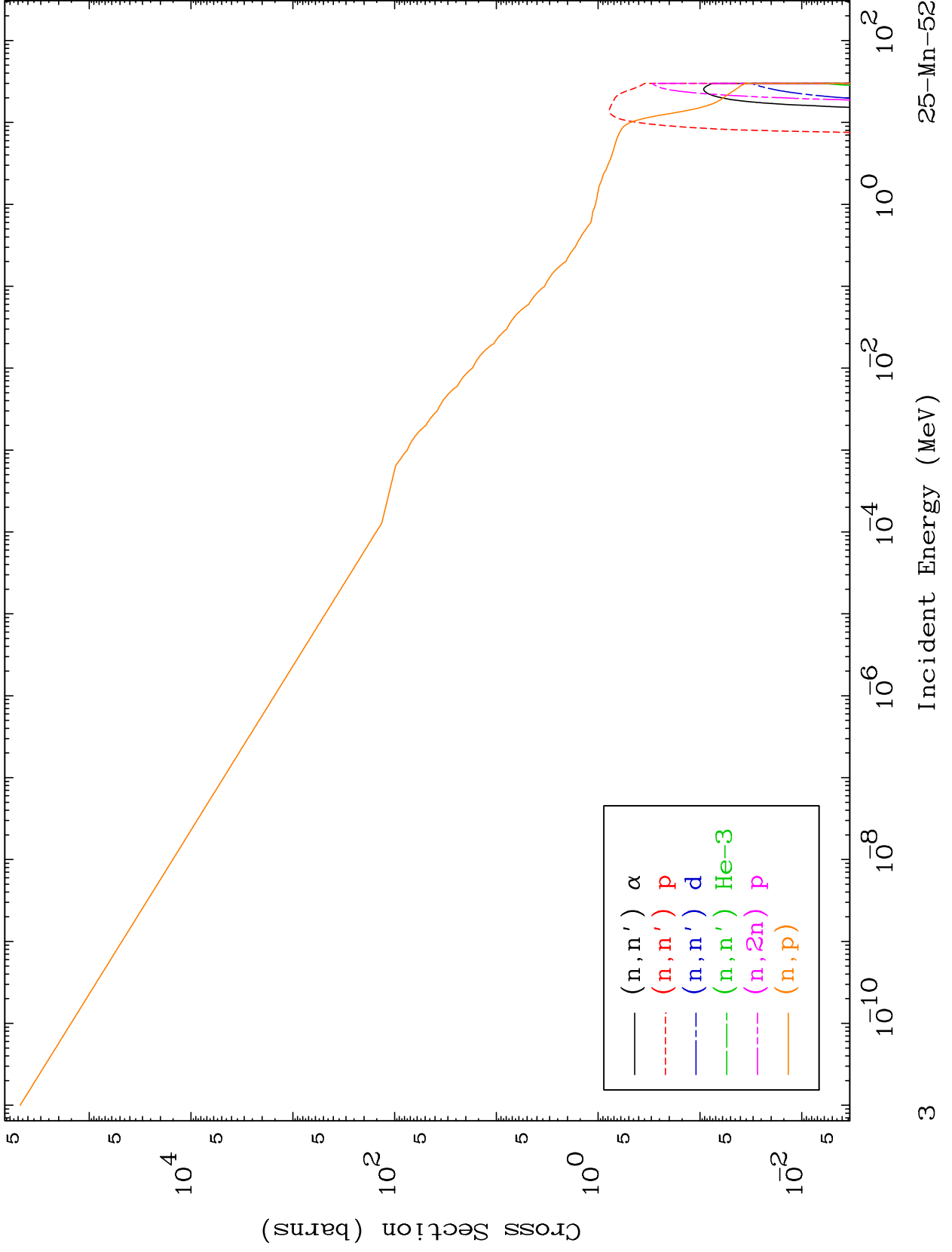




MAT 2517

Charged Particle  
293 Kelvin Cross Sections

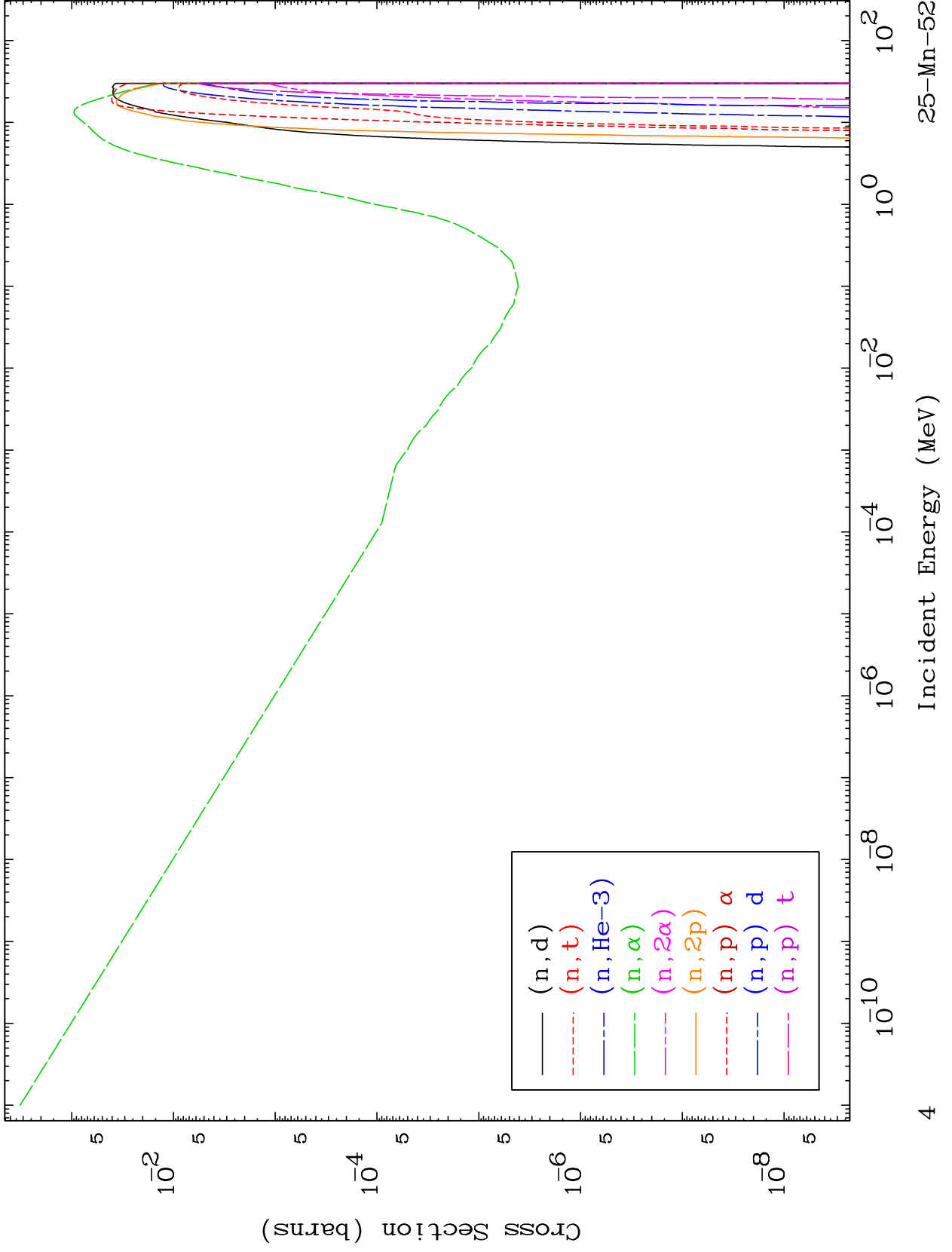
25-Mn-52



MAT 2517

Charged Particle  
293 Kelvin Cross Sections

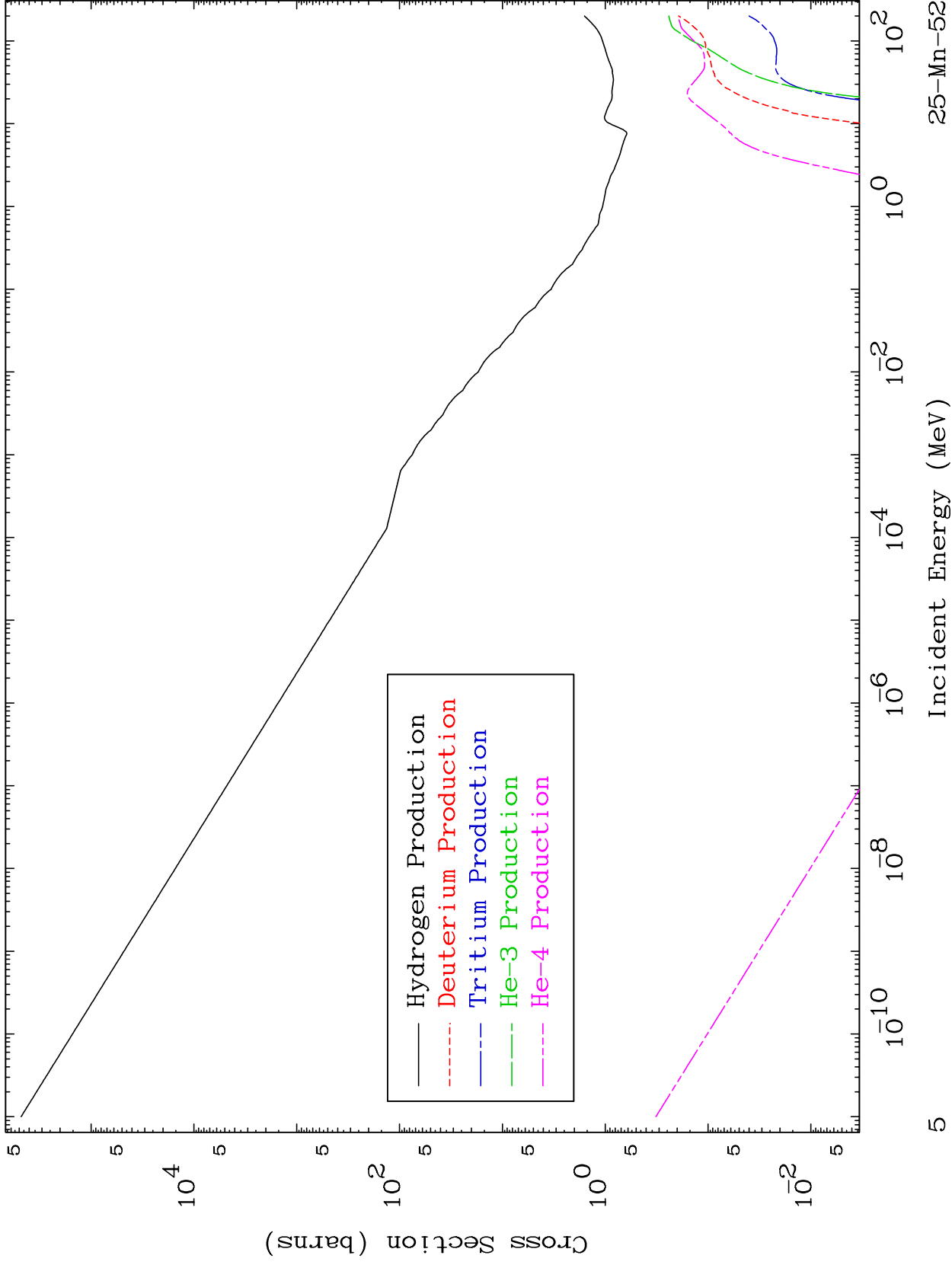
25-Mn-52

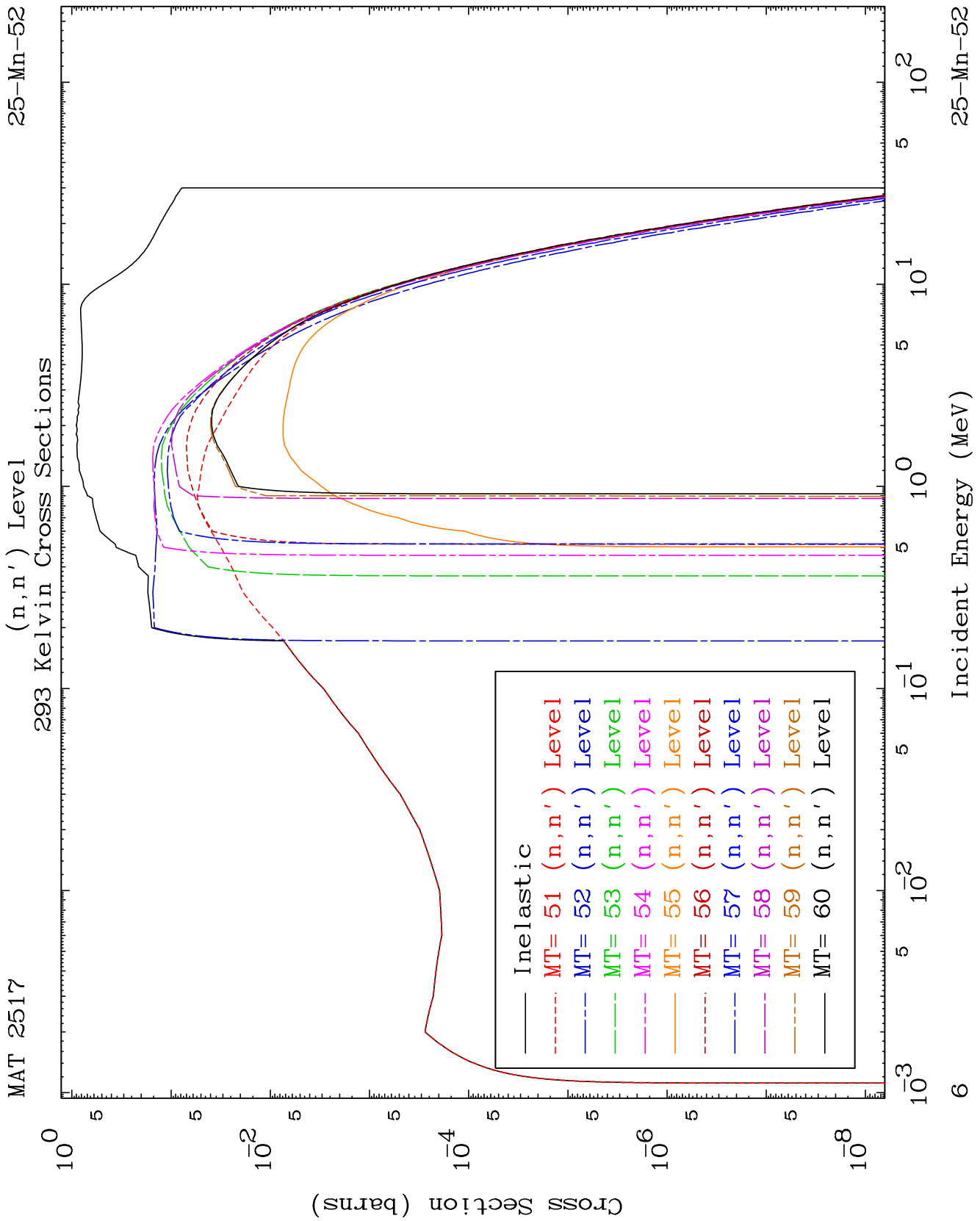


MAT 2517

Particle Production  
293 Kelvin Cross Sections

25-Mn-52



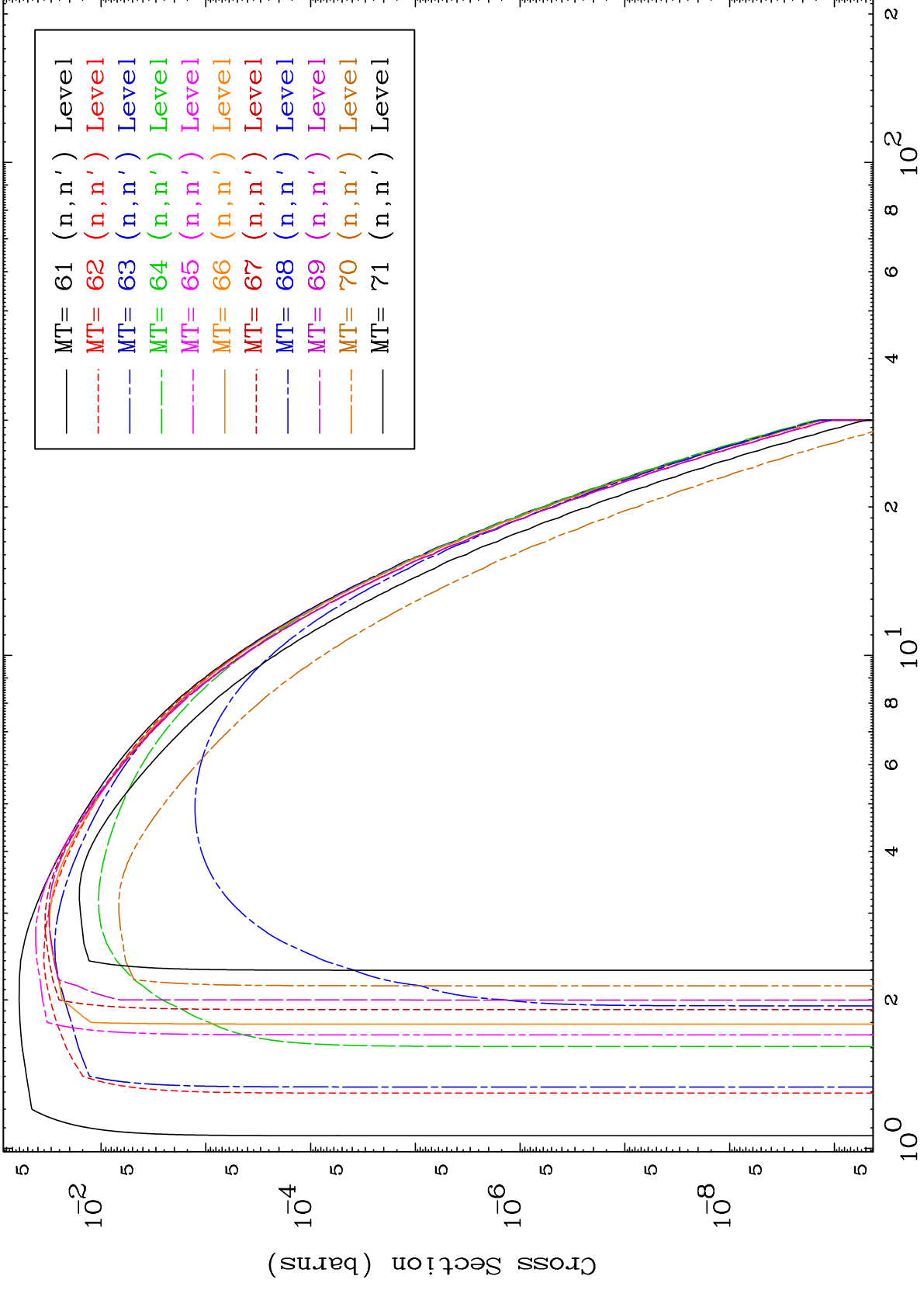


MAT 2517

(n,n') Level

25-Mn-52

293 Kelvin Cross Sections



Incident Energy (MeV)

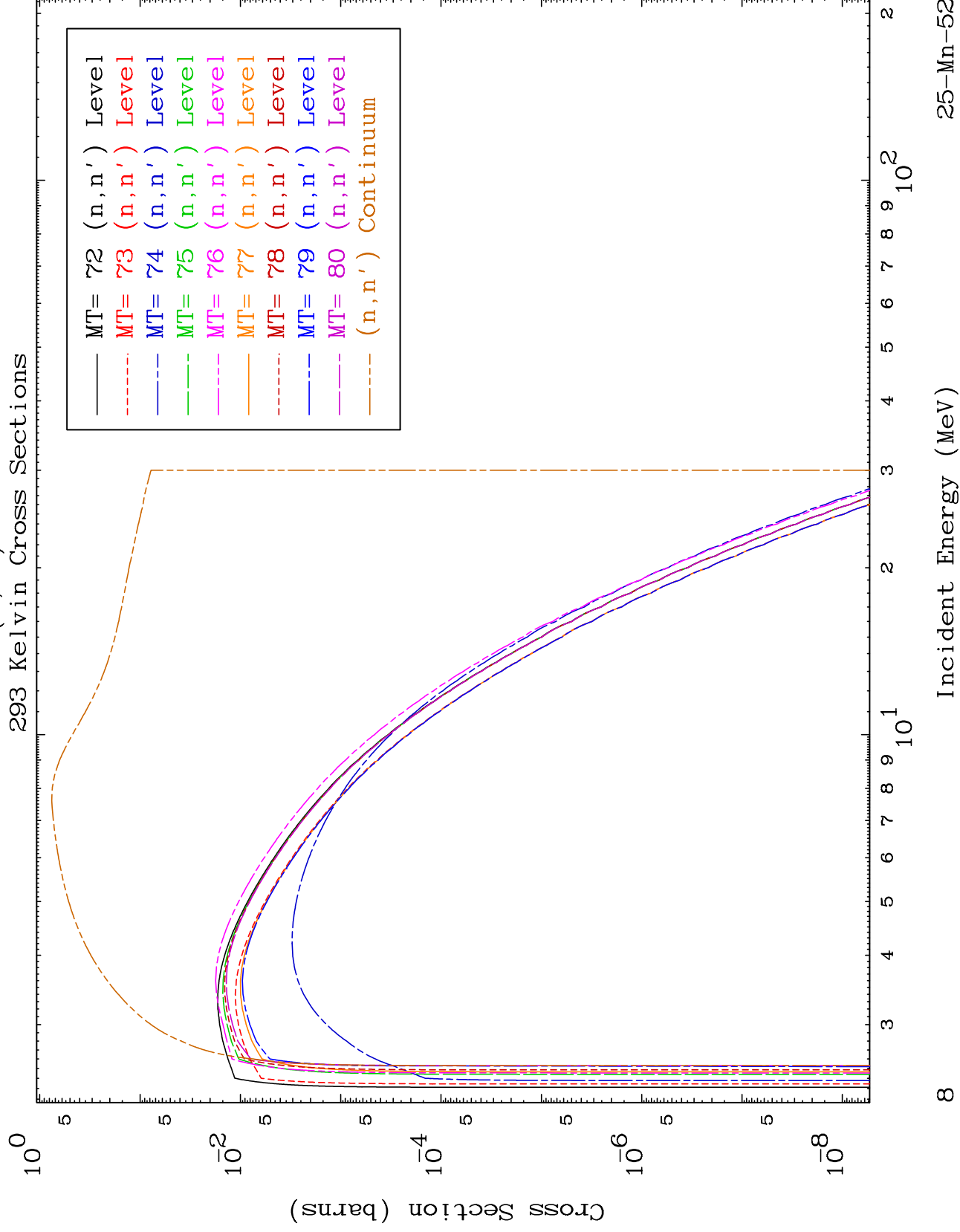
25-Mn-52



MAT 2517

(n,n') Level

25-Mn-52

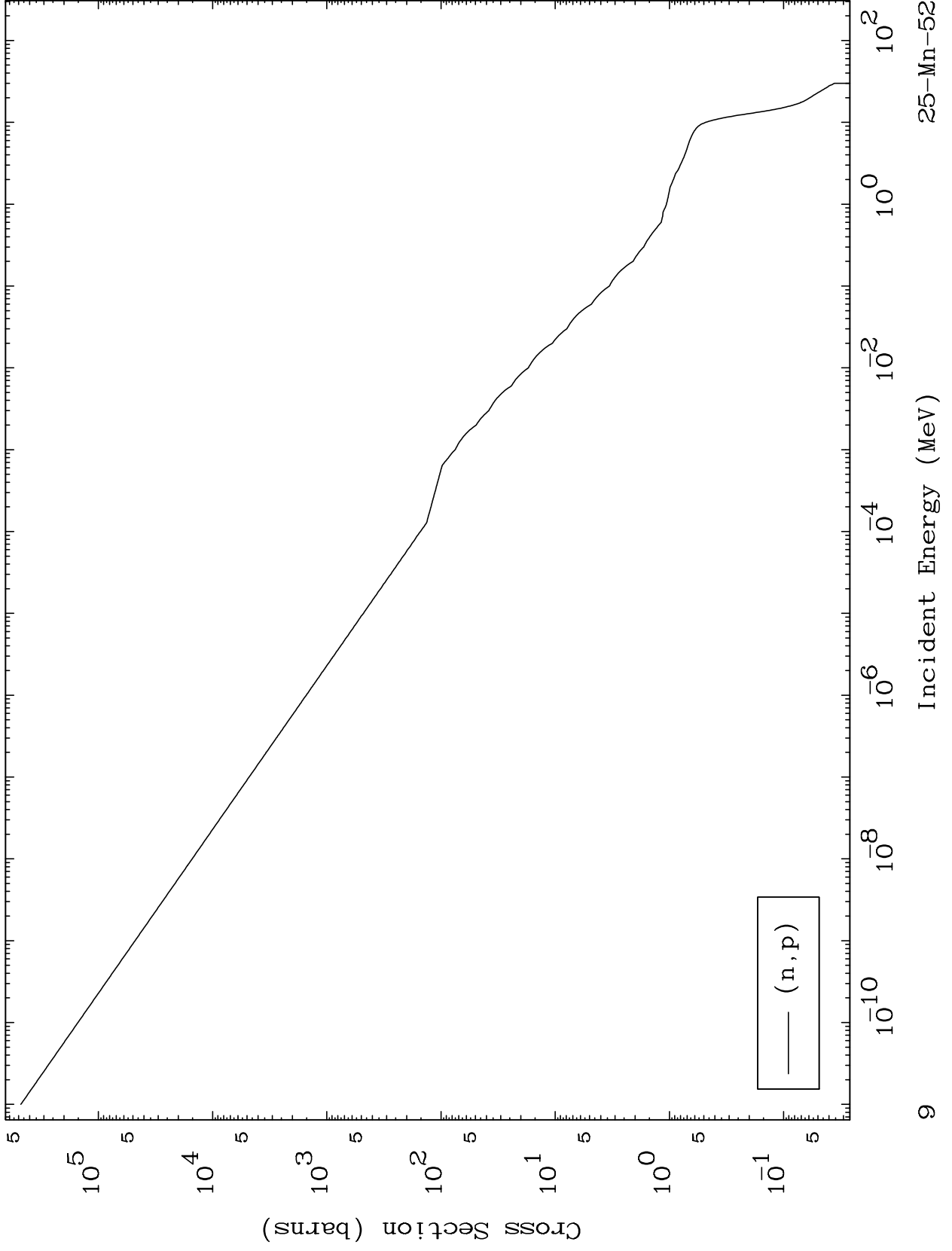


8

MAT 2517

(n,p) Levels  
293 Kelvin Cross Sections

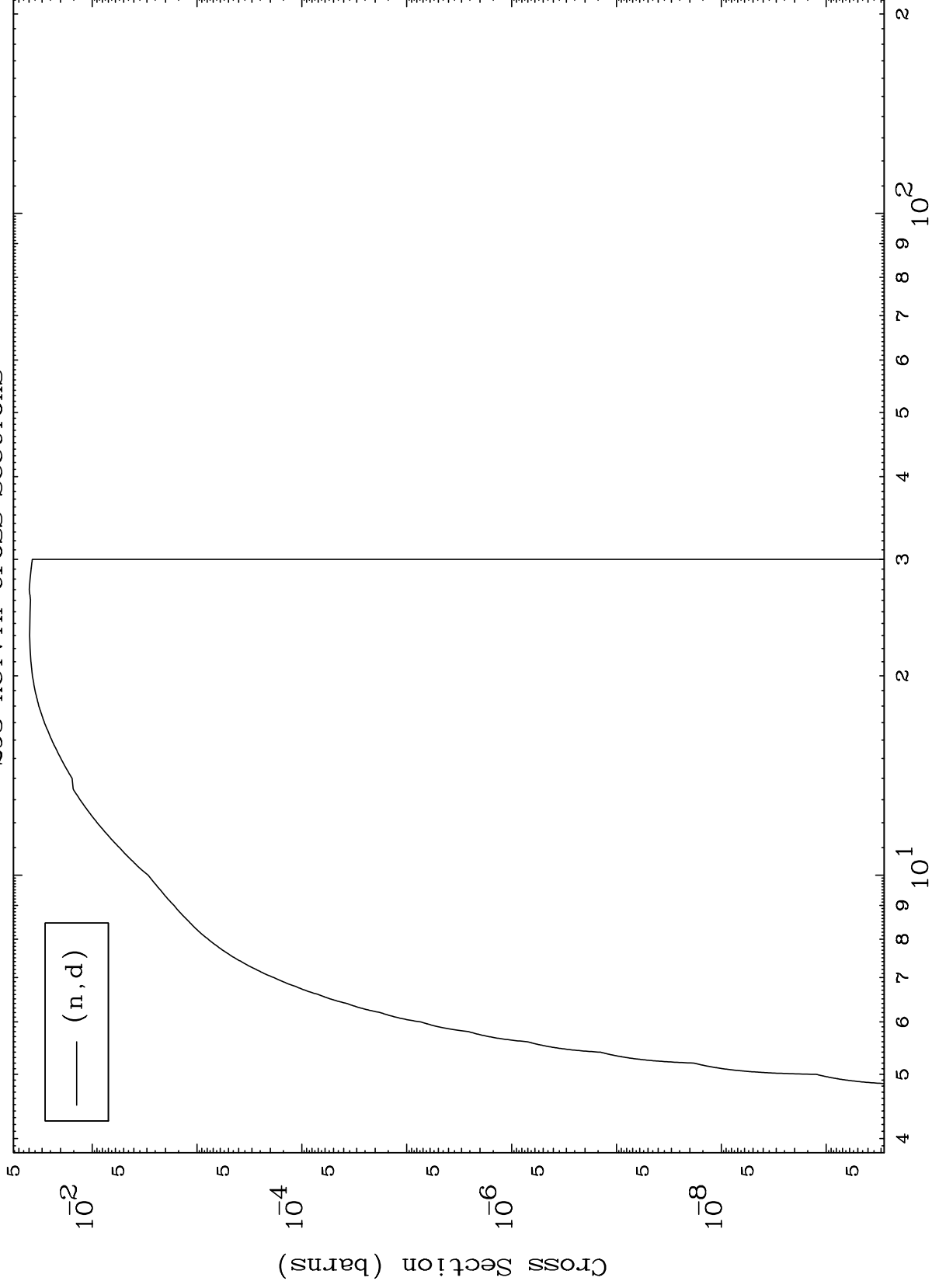
25-Mn-52



MAT 2517

(n,d) Levels  
293 Kelvin Cross Sections

25-Mn-52



Incident Energy (MeV)

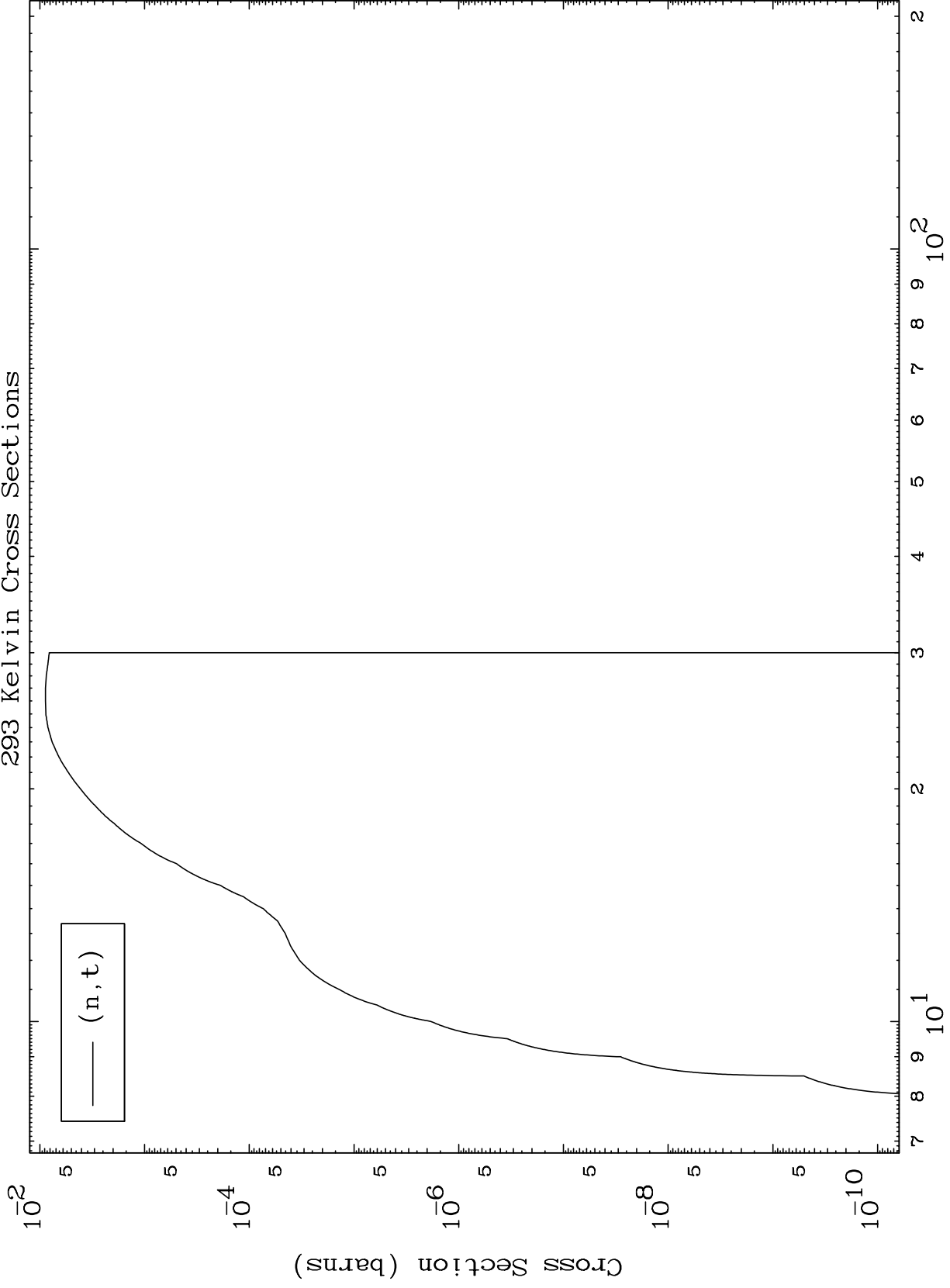
25-Mn-52

10

MAT 2517

(n,t) Levels  
293 Kelvin Cross Sections

25-Mn-52



11

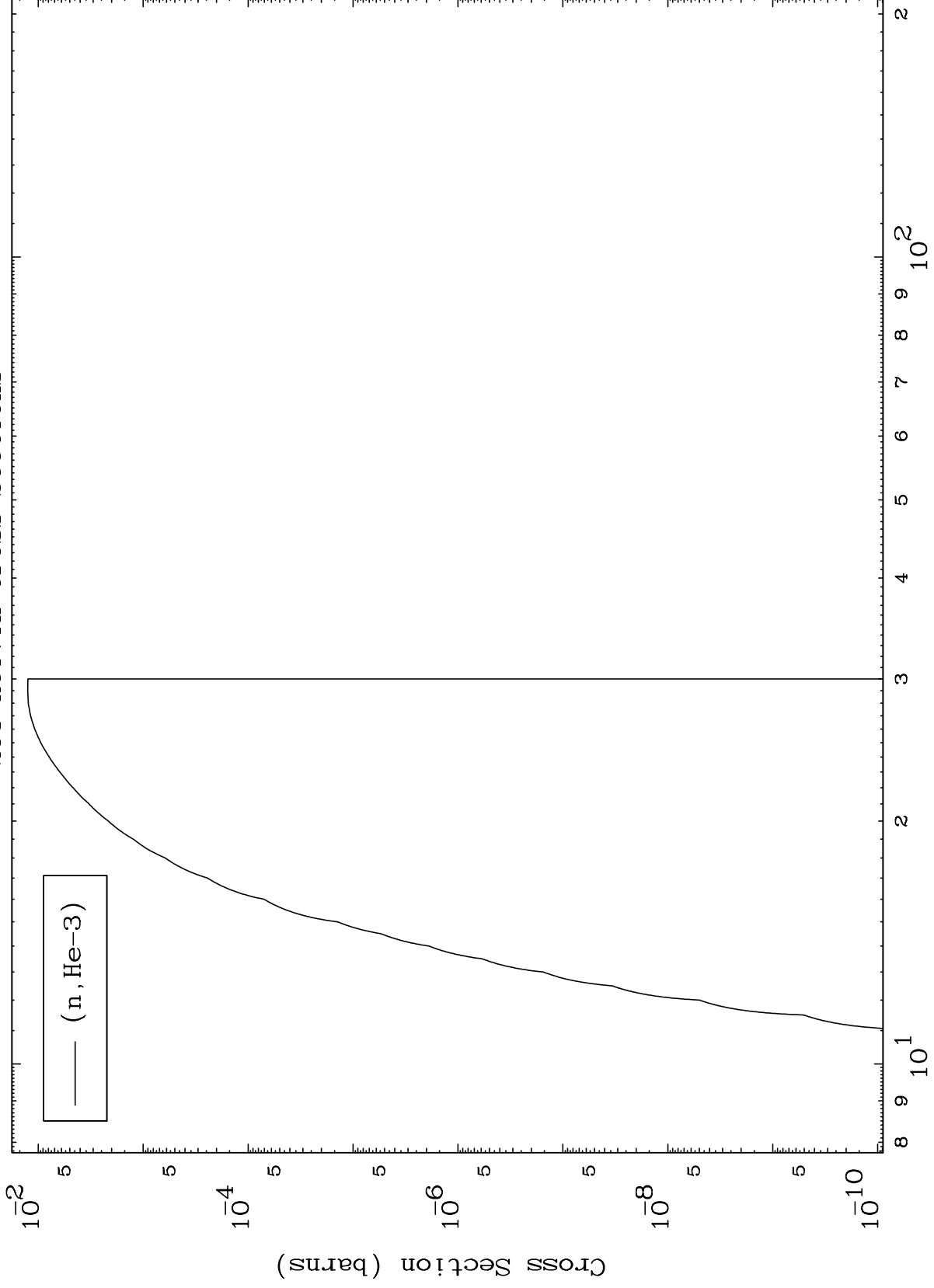
Incident Energy (MeV)

25-Mn-52

MAT 2517

(n,He3) Levels  
293 Kelvin Cross Sections

25-Mn-52



12

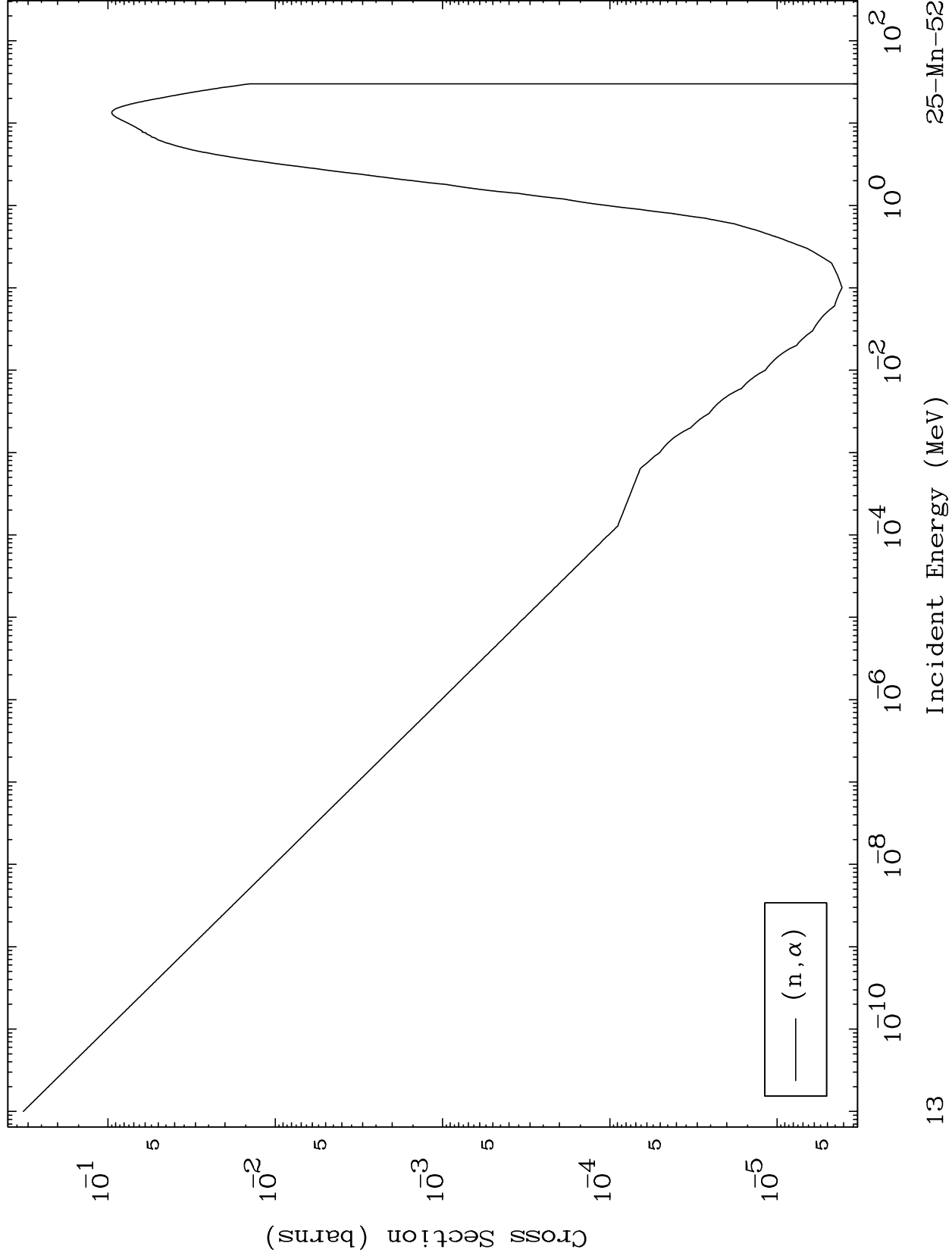
Incident Energy (MeV)

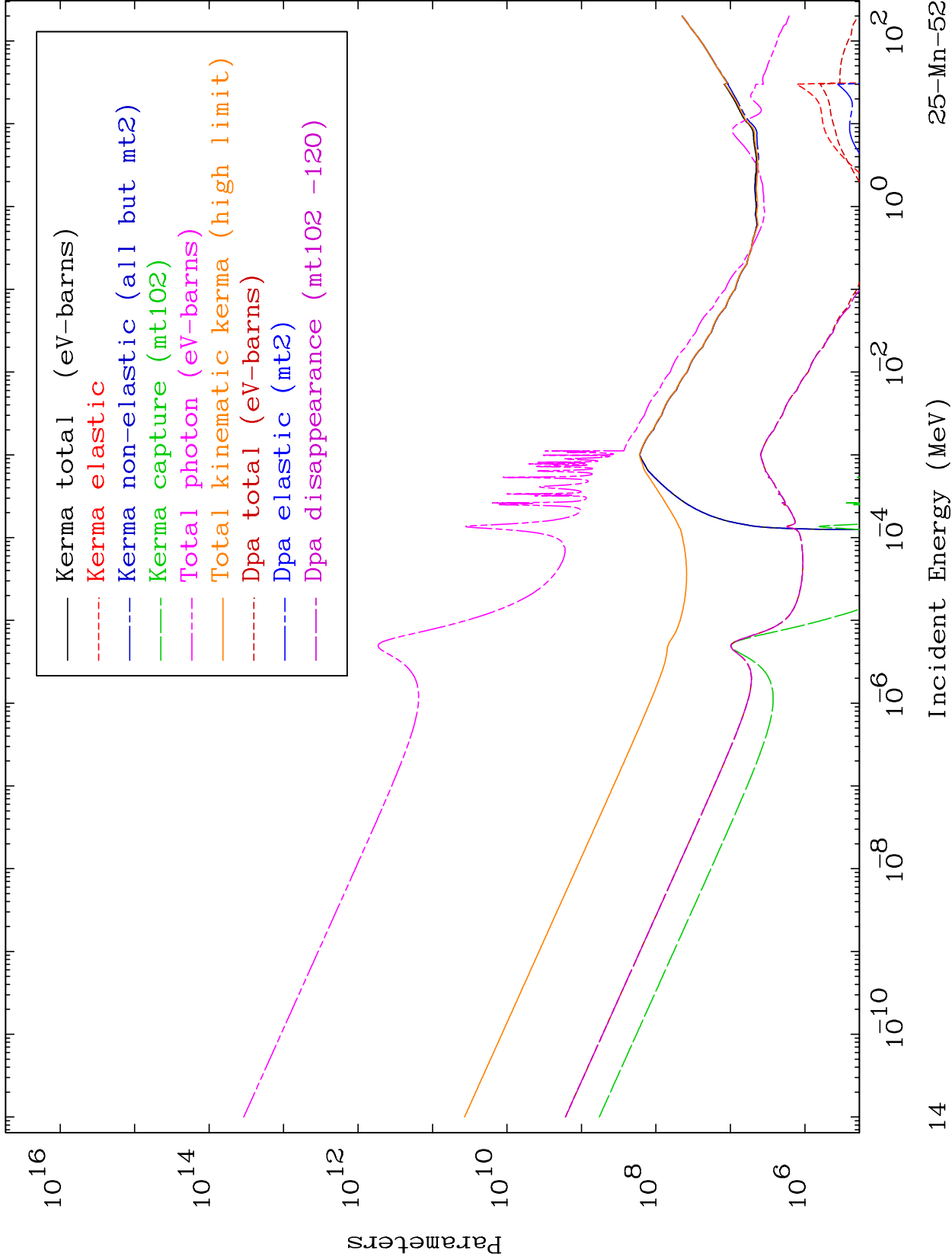
25-Mn-52

MAT 2517

(n,α) Levels  
293 Kelvin Cross Sections

25-Mn-52





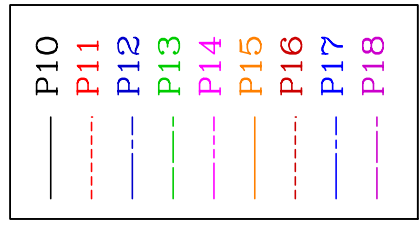




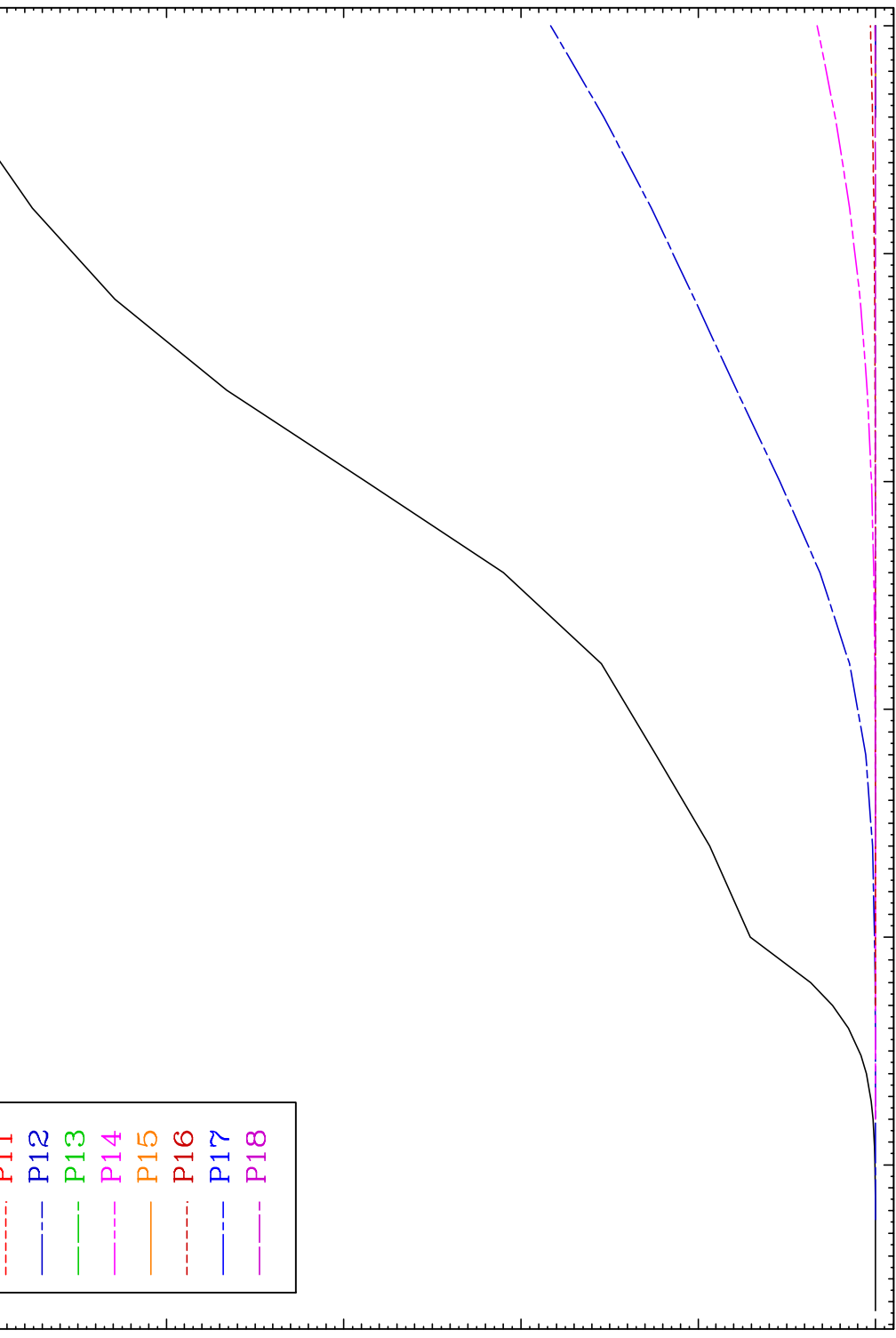
MAT 2517

Elastic  
Legendre Coefficients

25-Mn-52



$\times 10^{-3}$   
Legendre (CM)



16

Incident Energy (MeV)

25-Mn-52

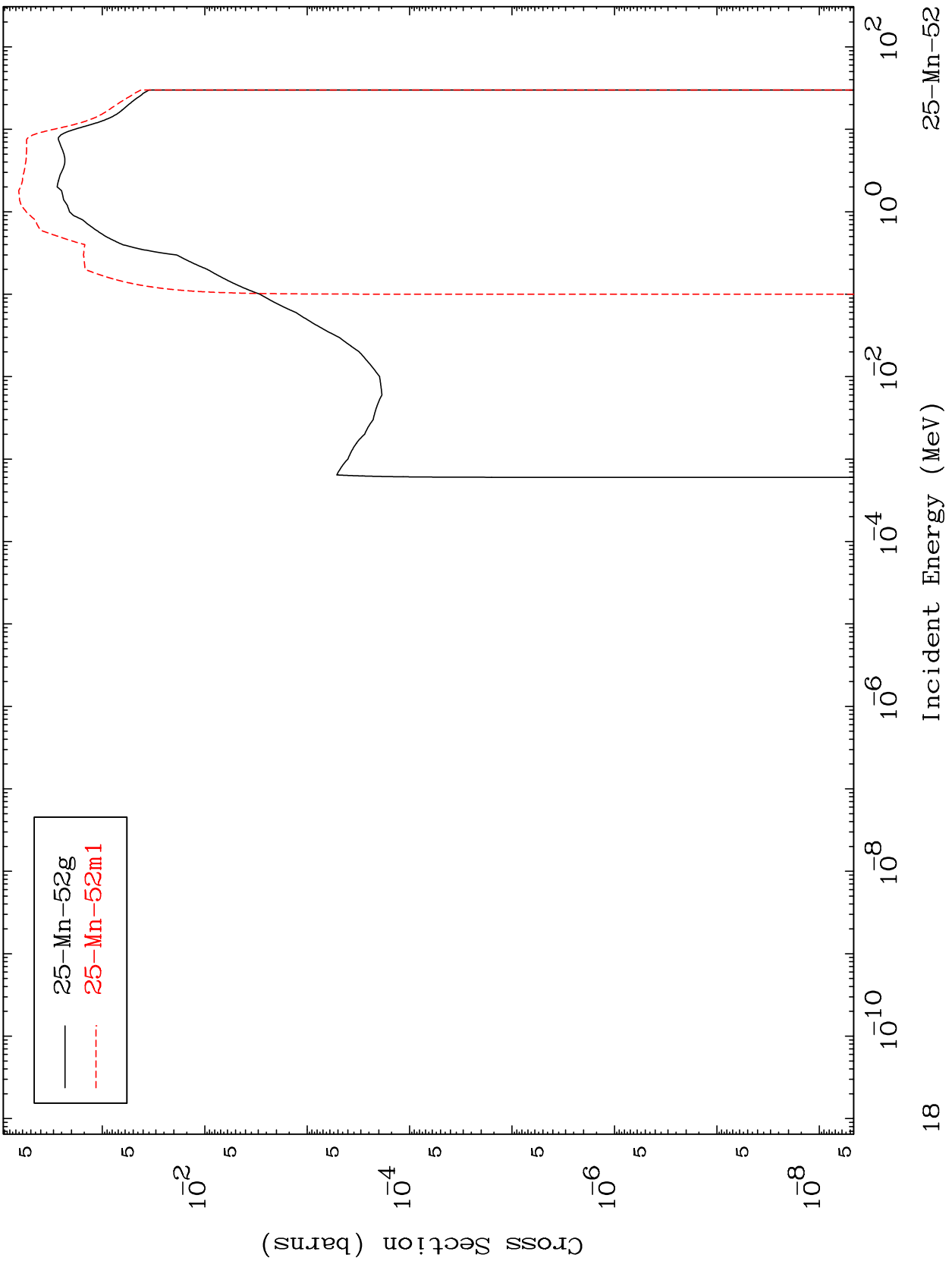


MAT 2517

Inelastic

25-Mn-52

Radionuclide Production Cross Section



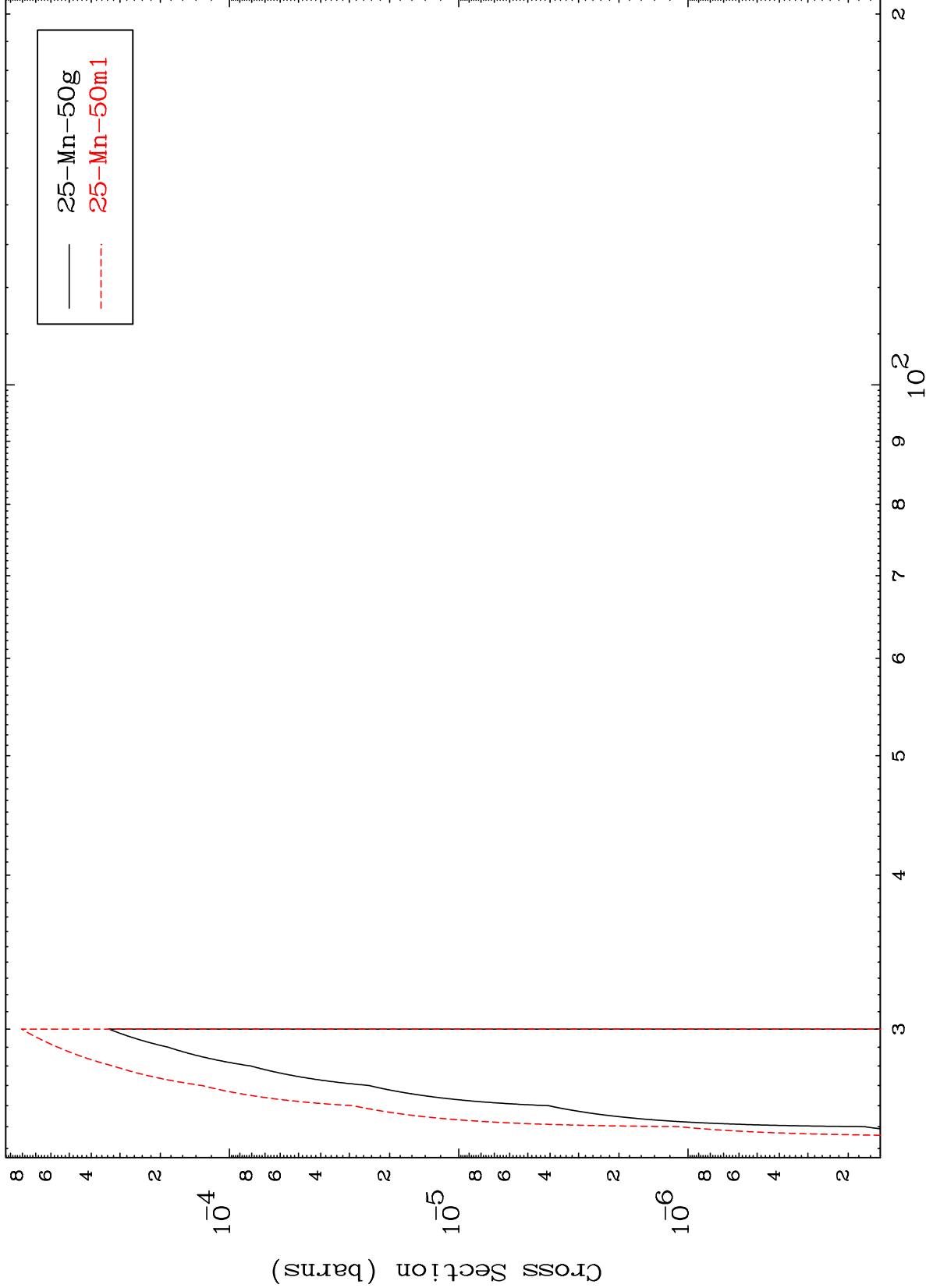
— 25-Mn-52g  
- - - 25-Mn-52m1

MAT 2517

(n,3n)

25-Mn-52

Radionuclide Production Cross Section



25-Mn-50g  
25-Mn-50m1

19

Incident Energy (MeV)

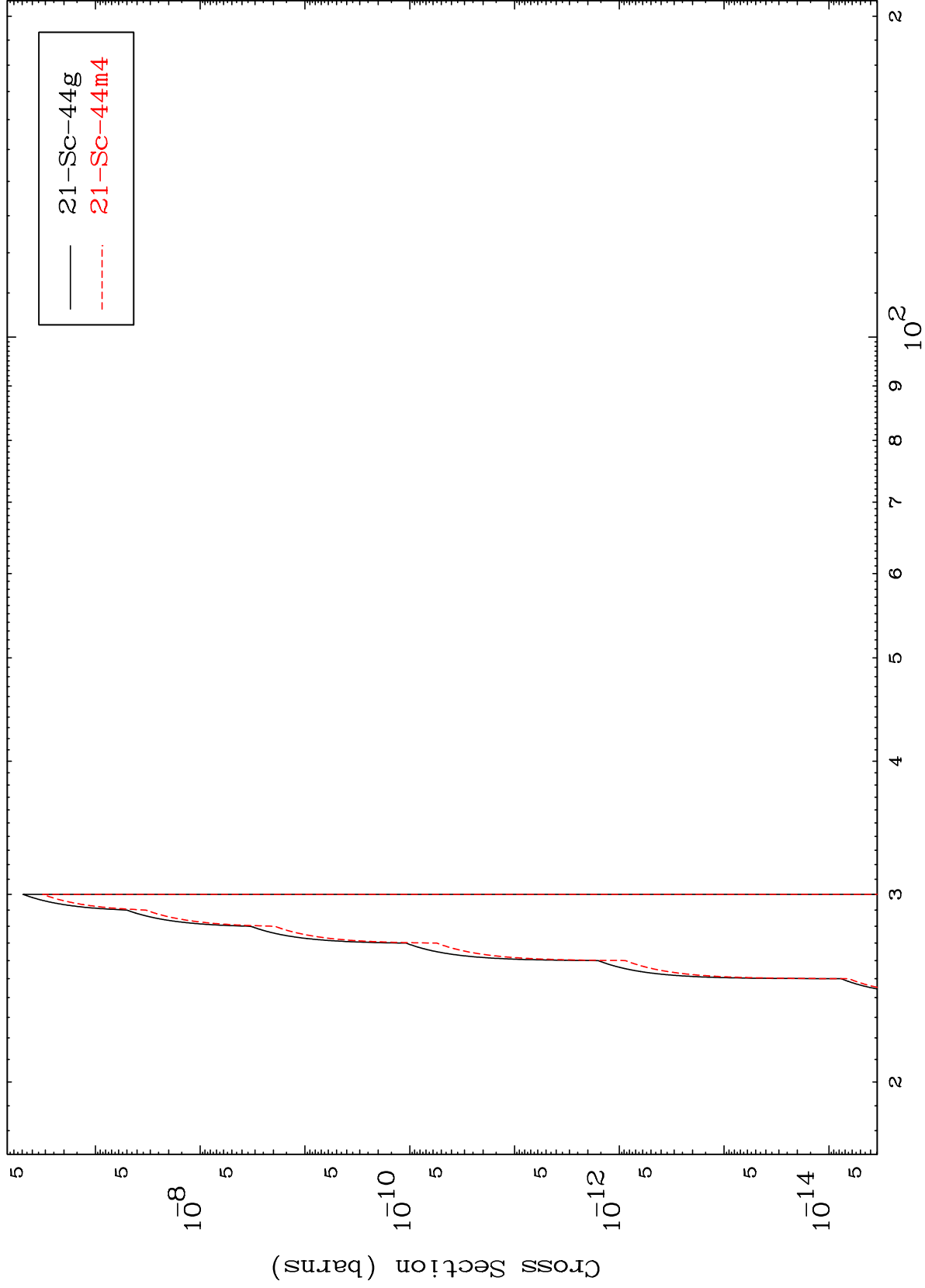
25-Mn-52

MAT 2517

(n,n') 2α

25-Mn-52

Radionuclide Production Cross Section



20

Incident Energy (MeV)

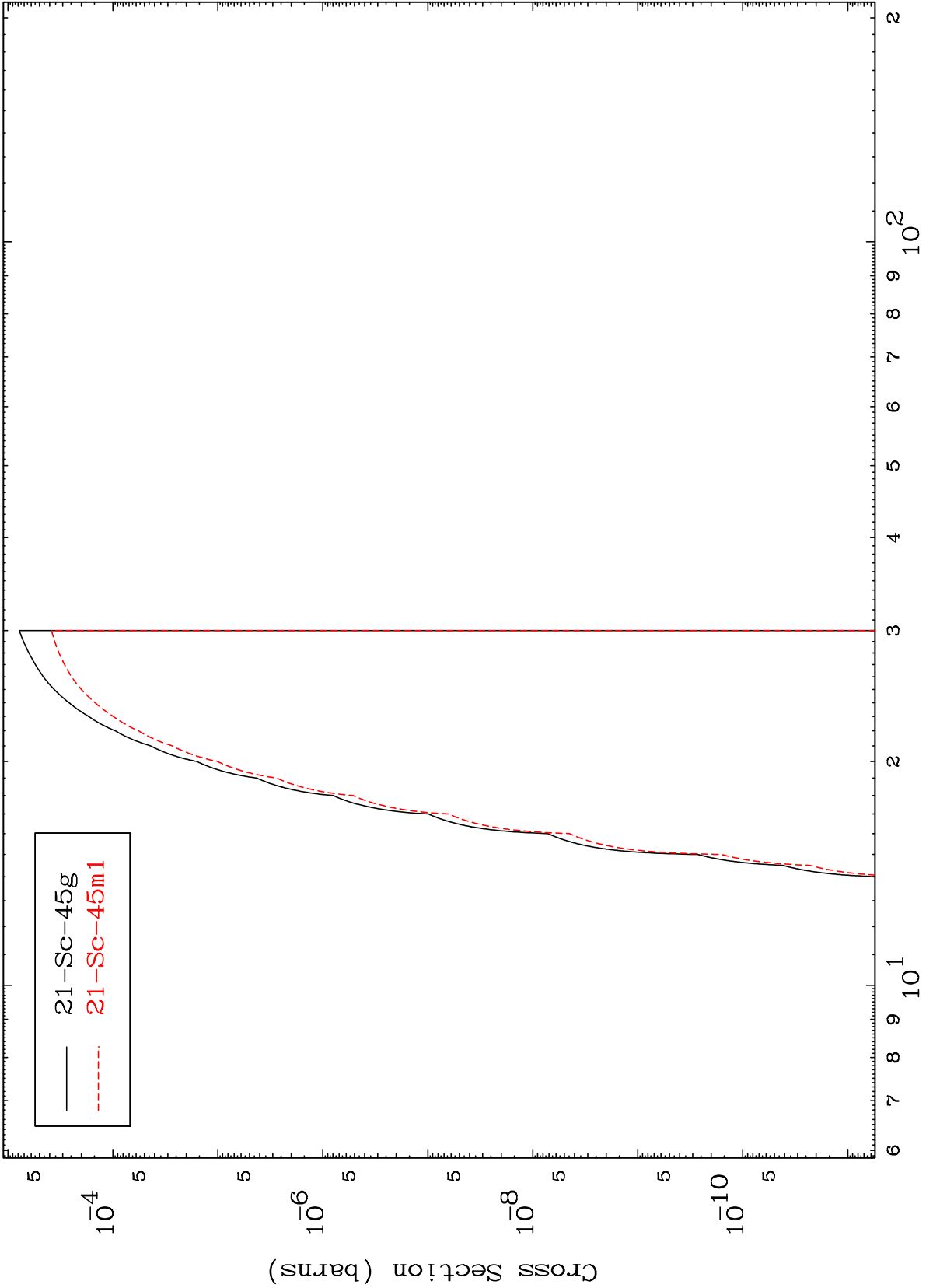
25-Mn-52

MAT 2517

(n,2α)

25-Mn-52

Radionuclide Production Cross Section



21

Incident Energy (MeV)

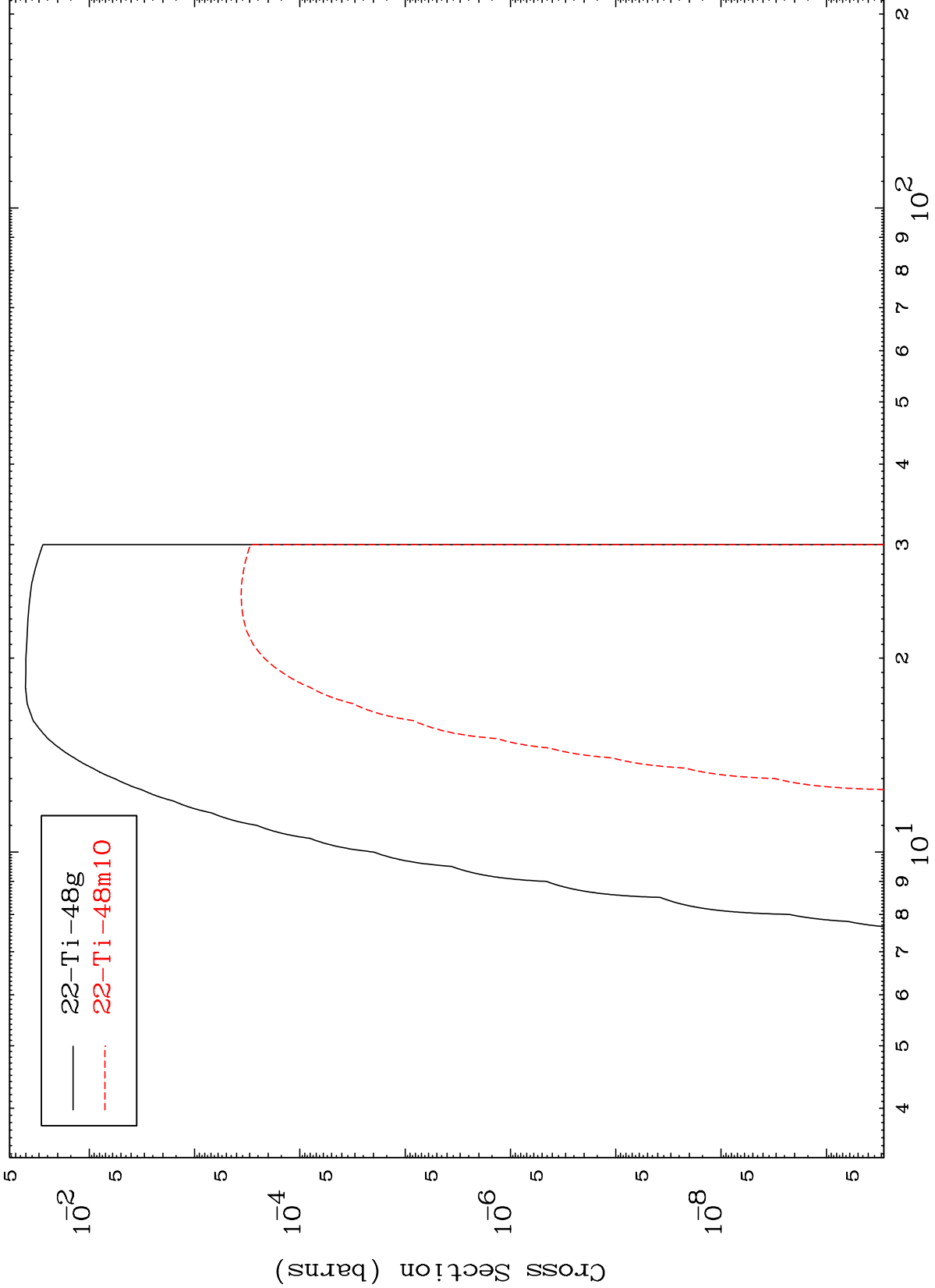
25-Mn-52

MAT 2517

(n,p)  $\alpha$

25-Mn-52

Radionuclide Production Cross Section



22

Incident Energy (MeV)

25-Mn-52