

Program EVALPLOT  
(Version 2015-2)

by

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(Present Contact Information)

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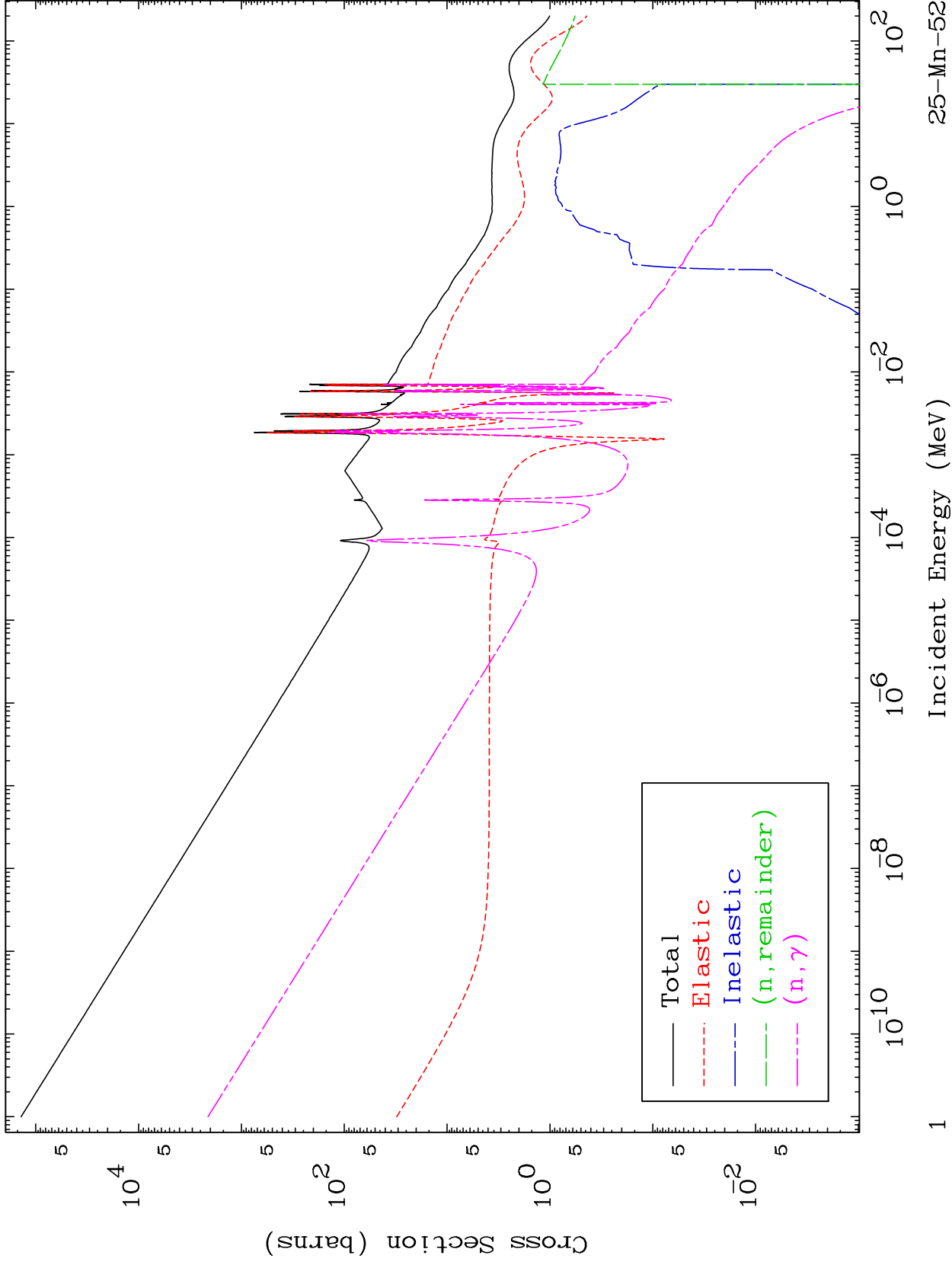
E.Mail:redcullen1@comcast.net  
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 2517

Major  
293 Kelvin Cross Sections

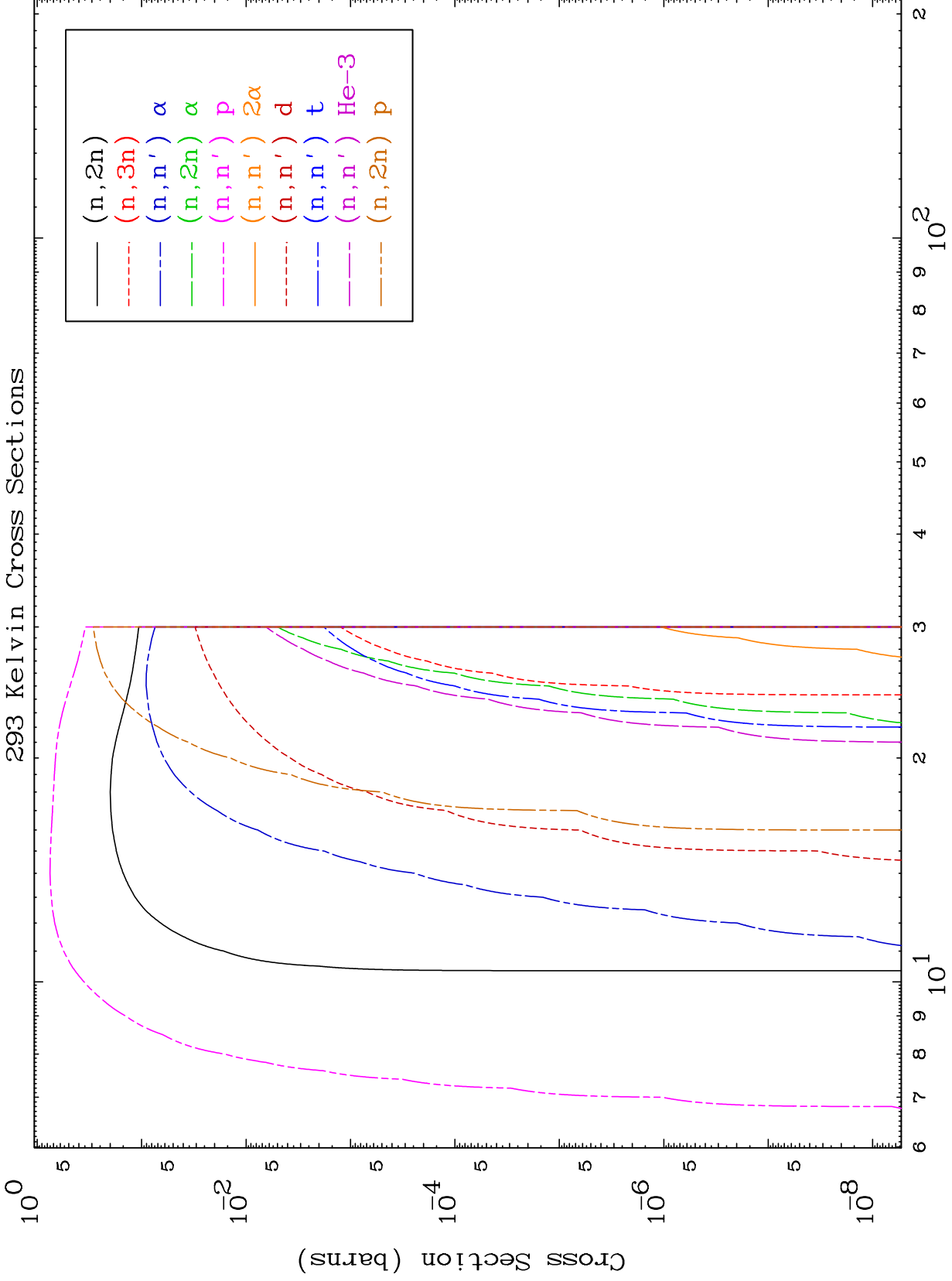
25-Mn-52



MAT 2517

Neutron Production  
293 Kelvin Cross Sections

25-Mn-52



2

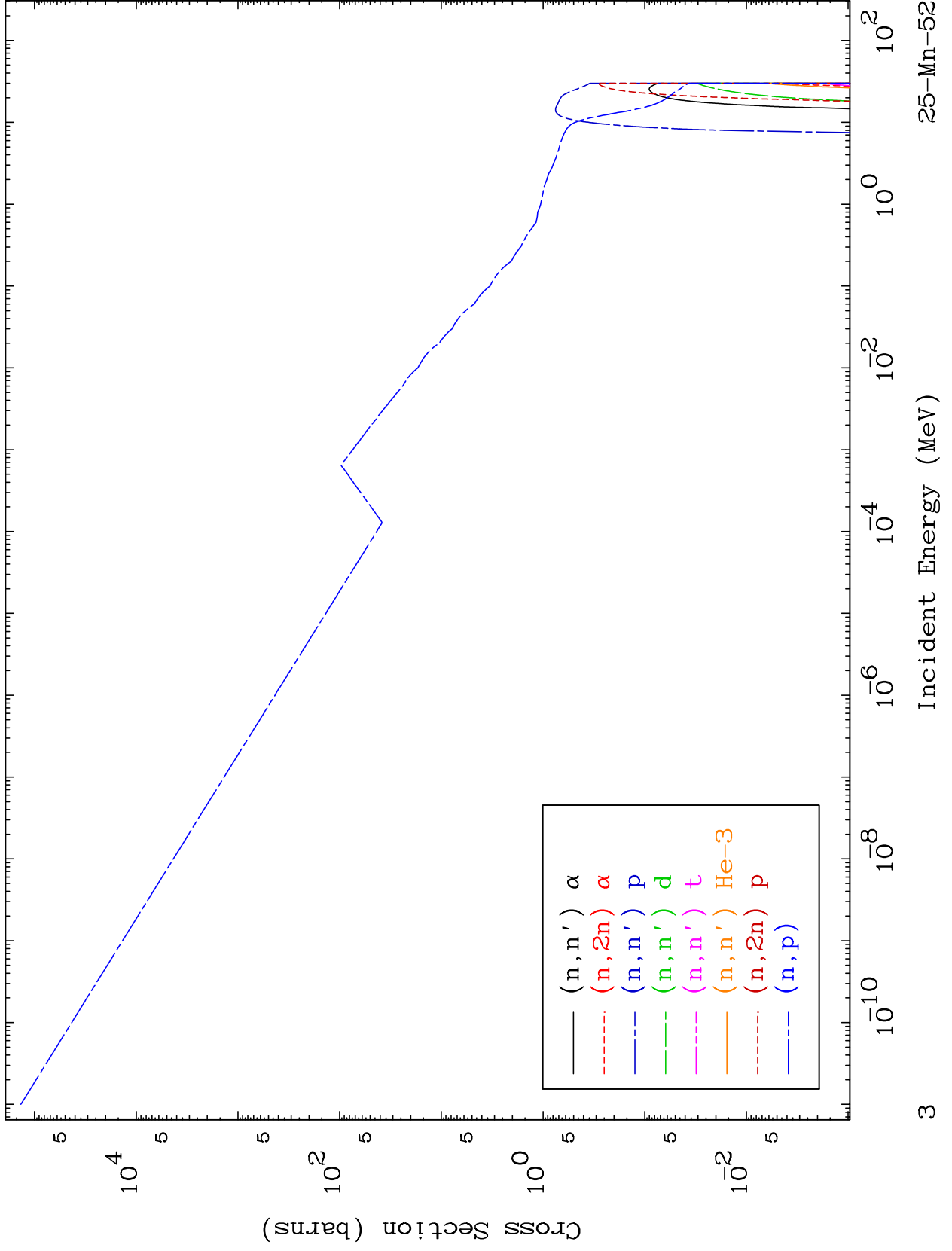
Incident Energy (MeV)

25-Mn-52

MAT 2517

Charged Particle  
293 Kelvin Cross Sections

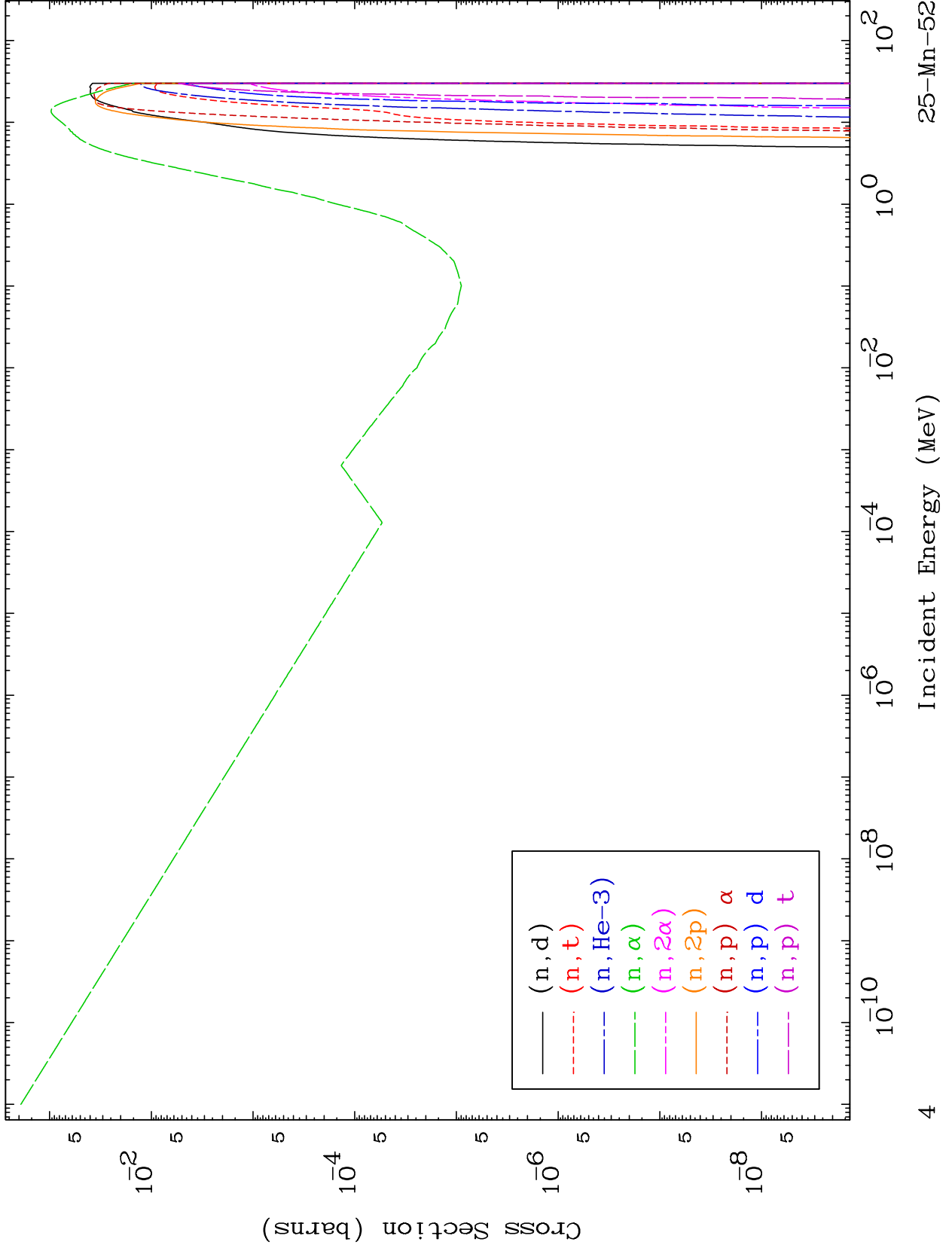
25-Mn-52



MAT 2517

Charged Particle  
293 Kelvin Cross Sections

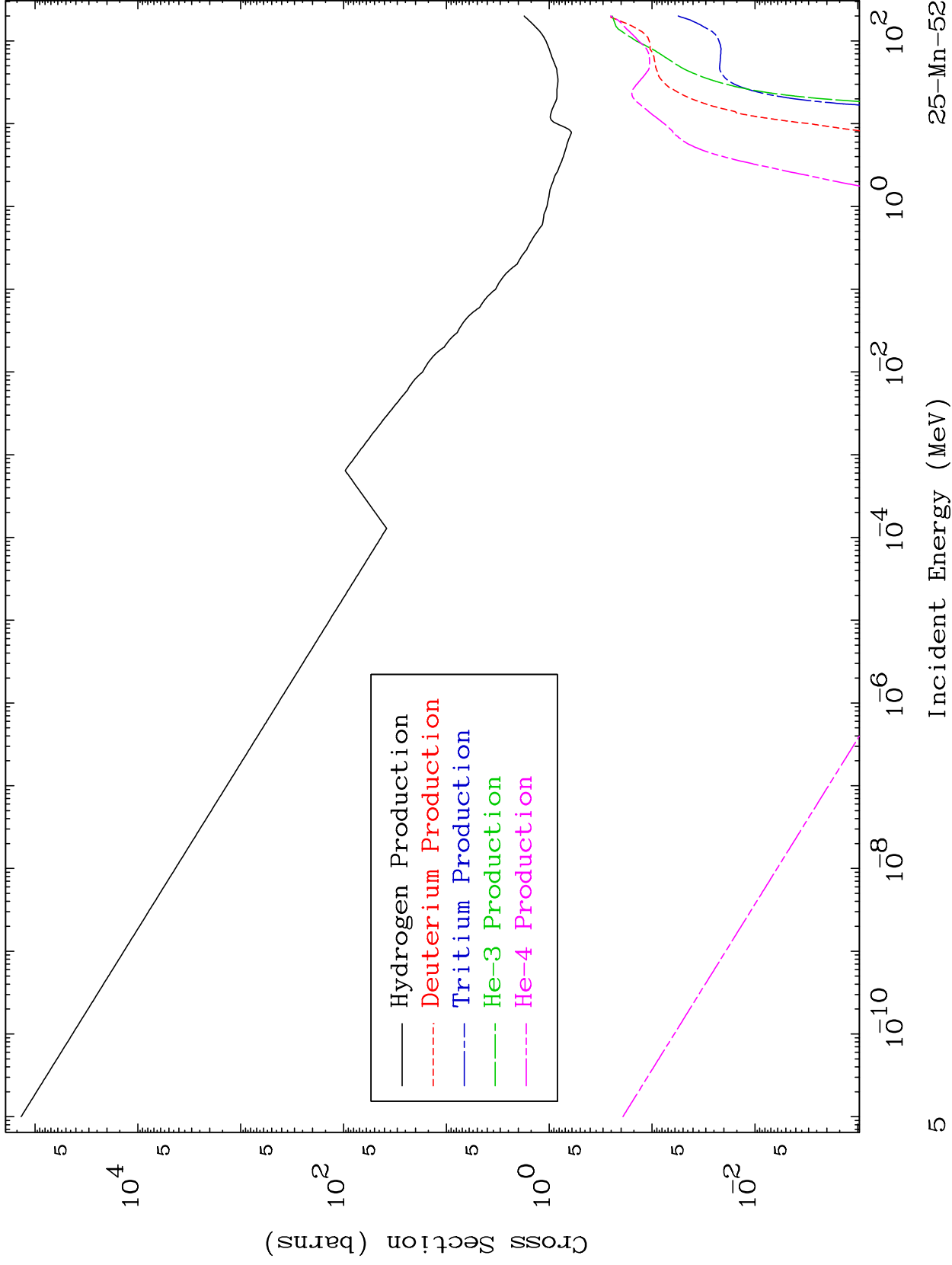
25-Mn-52



MAT 2517

Particle Production  
293 Kelvin Cross Sections

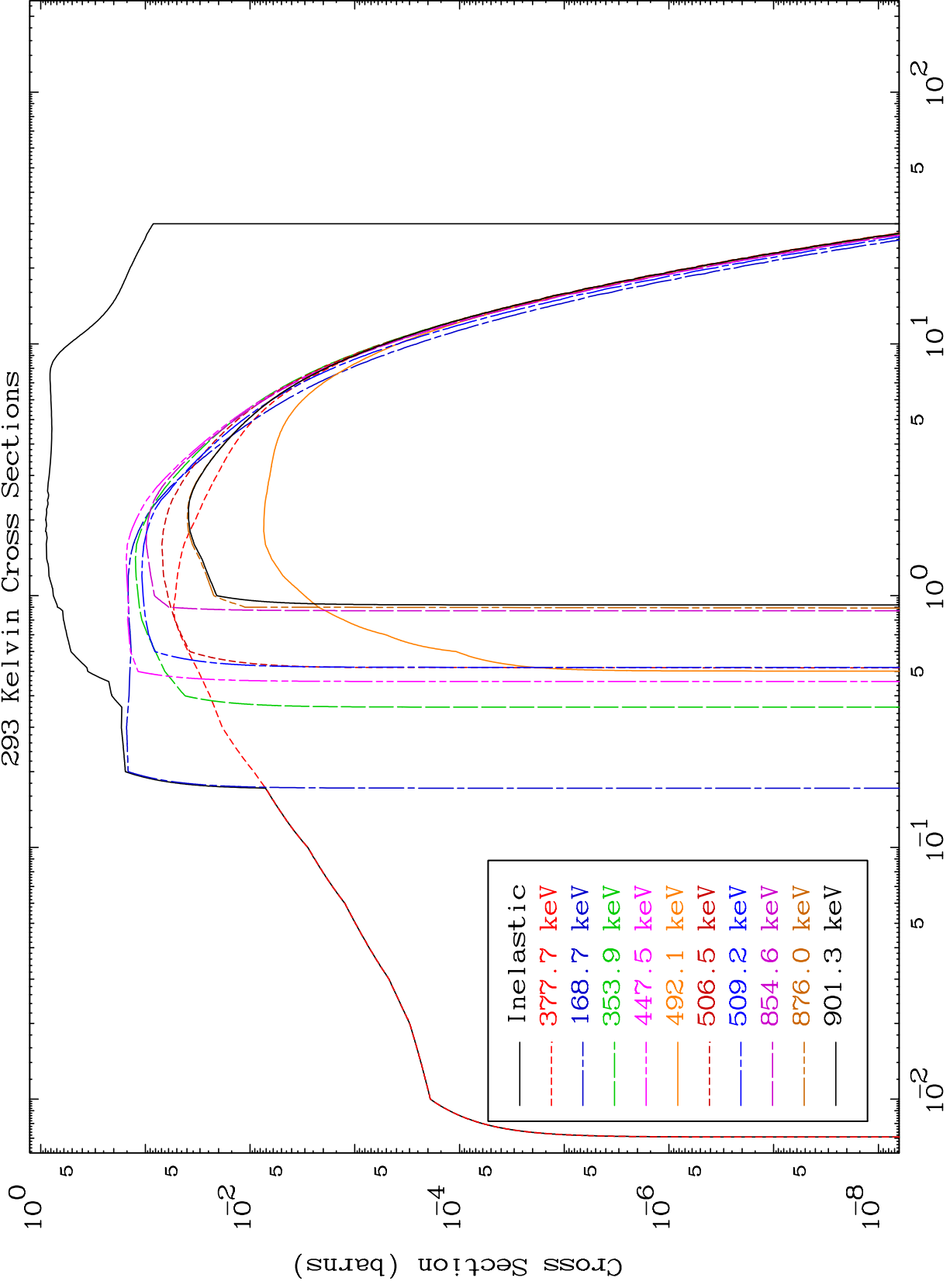
25-Mn-52



MAT 2517

(n,n') Level  
293 Kelvin Cross Sections

25-Mn-52



6

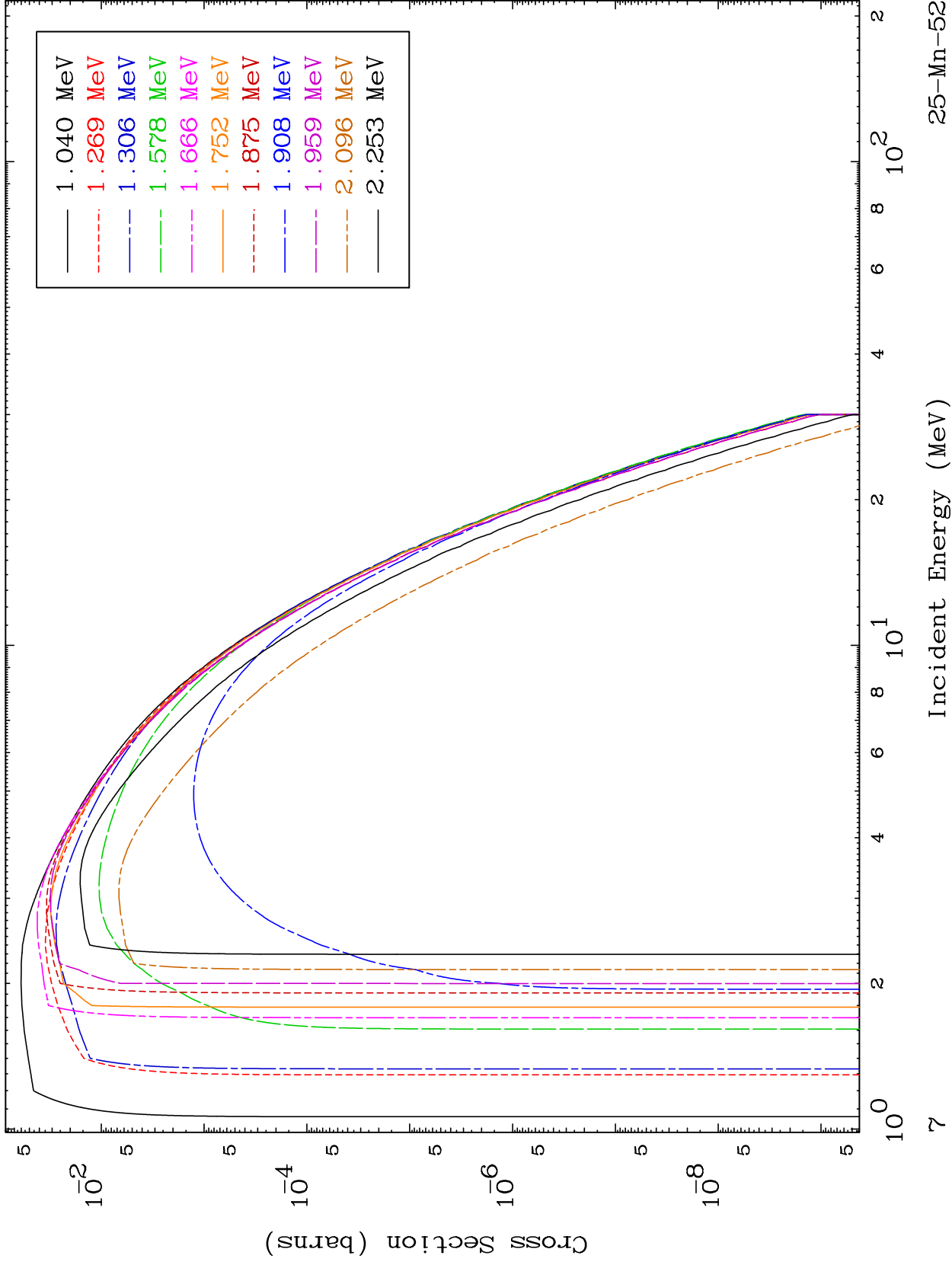
Incident Energy (MeV)

25-Mn-52

MAT 2517

(n,n') Level  
293 Kelvin Cross Sections

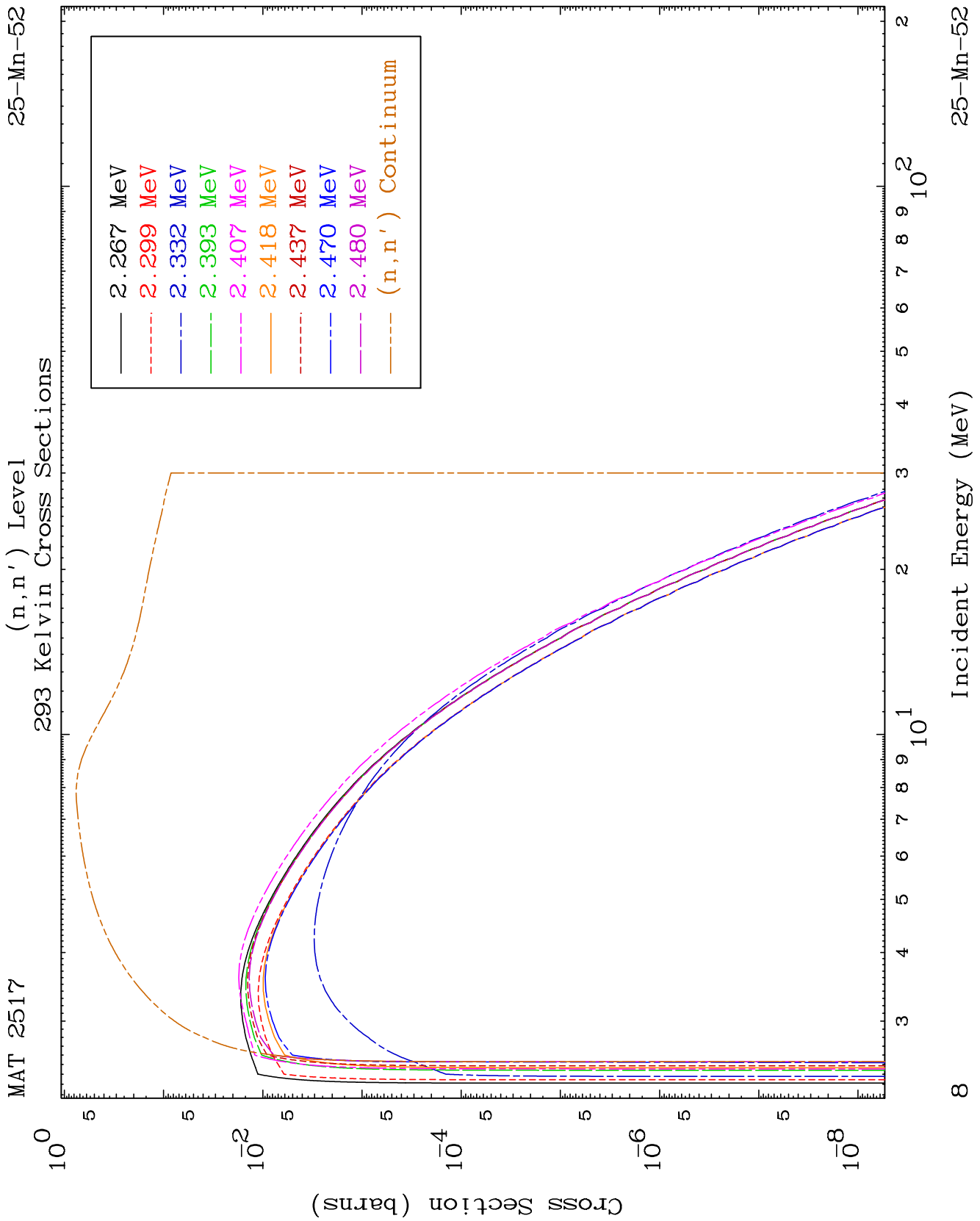
25-Mn-52



7

25-Mn-52

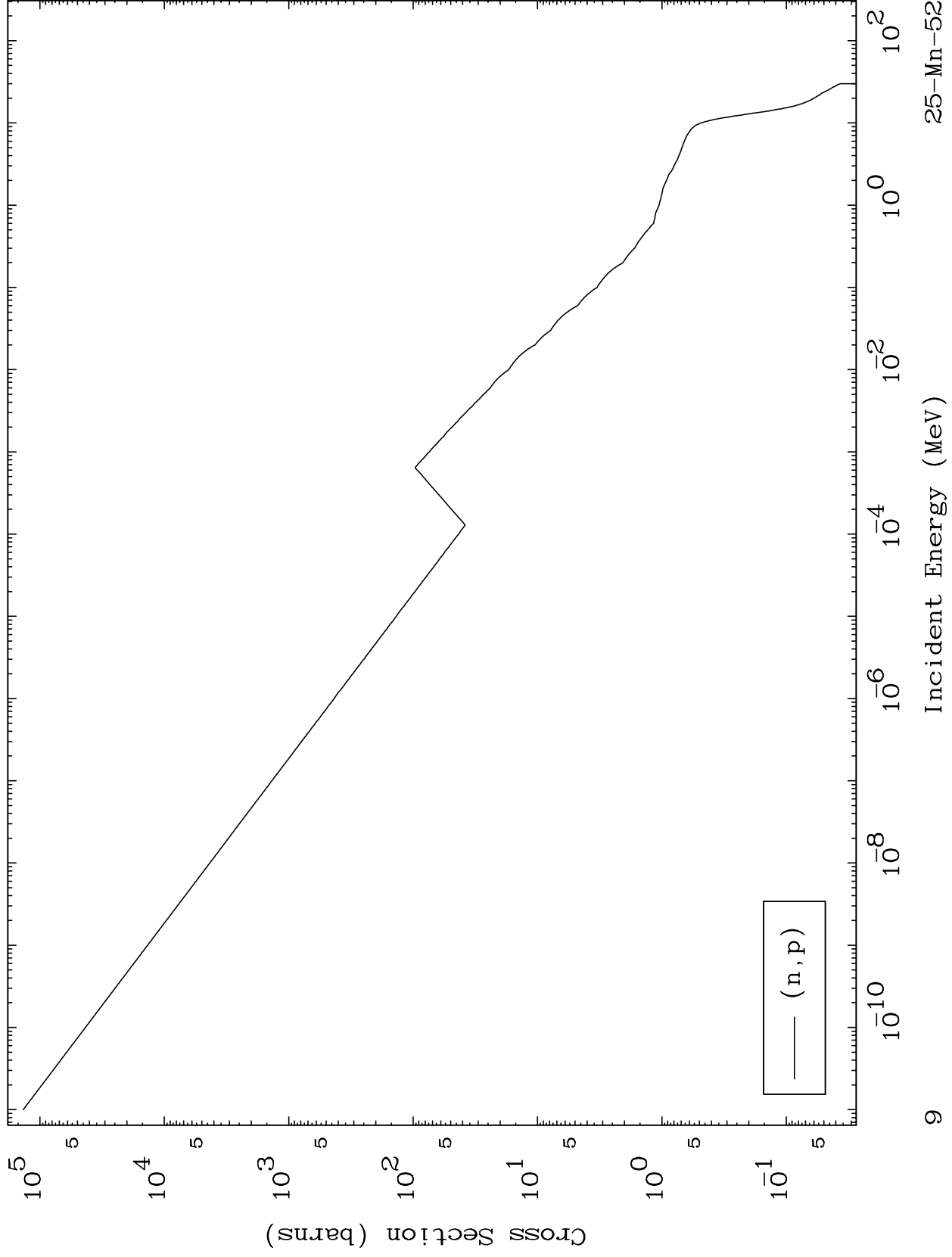




MAT 2517

(n,p) Levels  
293 Kelvin Cross Sections

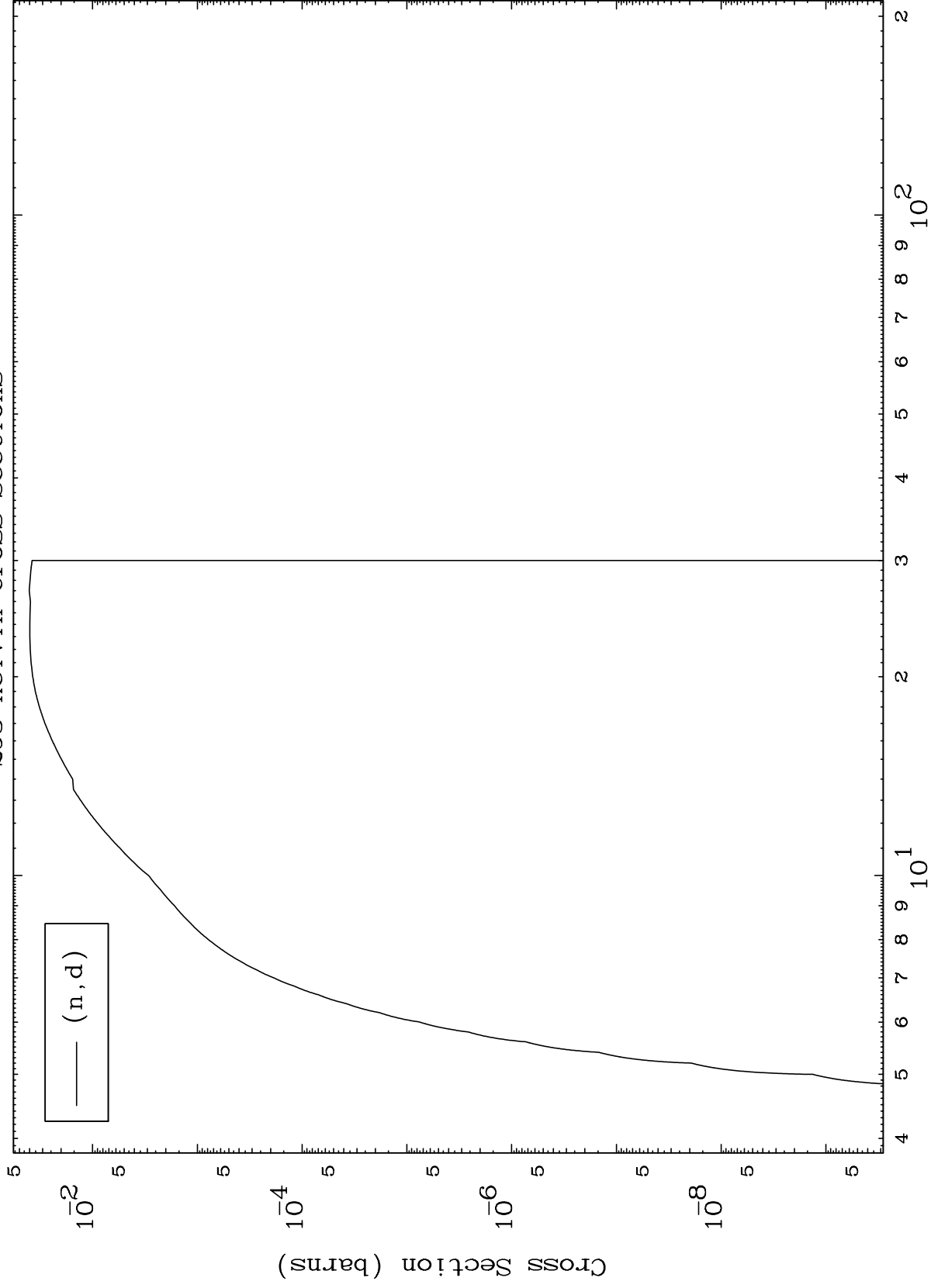
25-Mn-52



MAT 2517

(n,d) Levels  
293 Kelvin Cross Sections

25-Mn-52



Incident Energy (MeV)

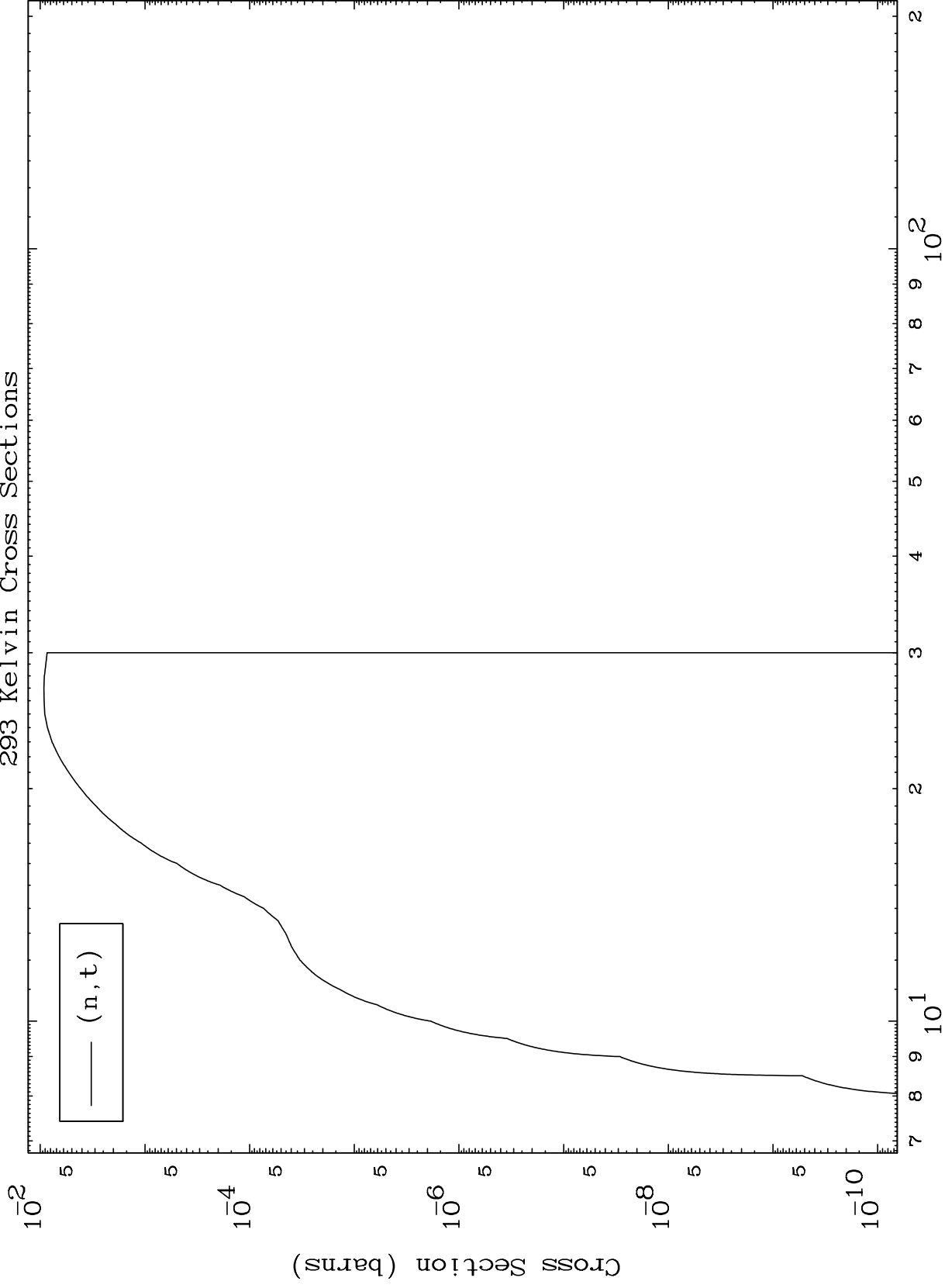
25-Mn-52

10

MAT 2517

(n,t) Levels  
293 Kelvin Cross Sections

25-Mn-52



11

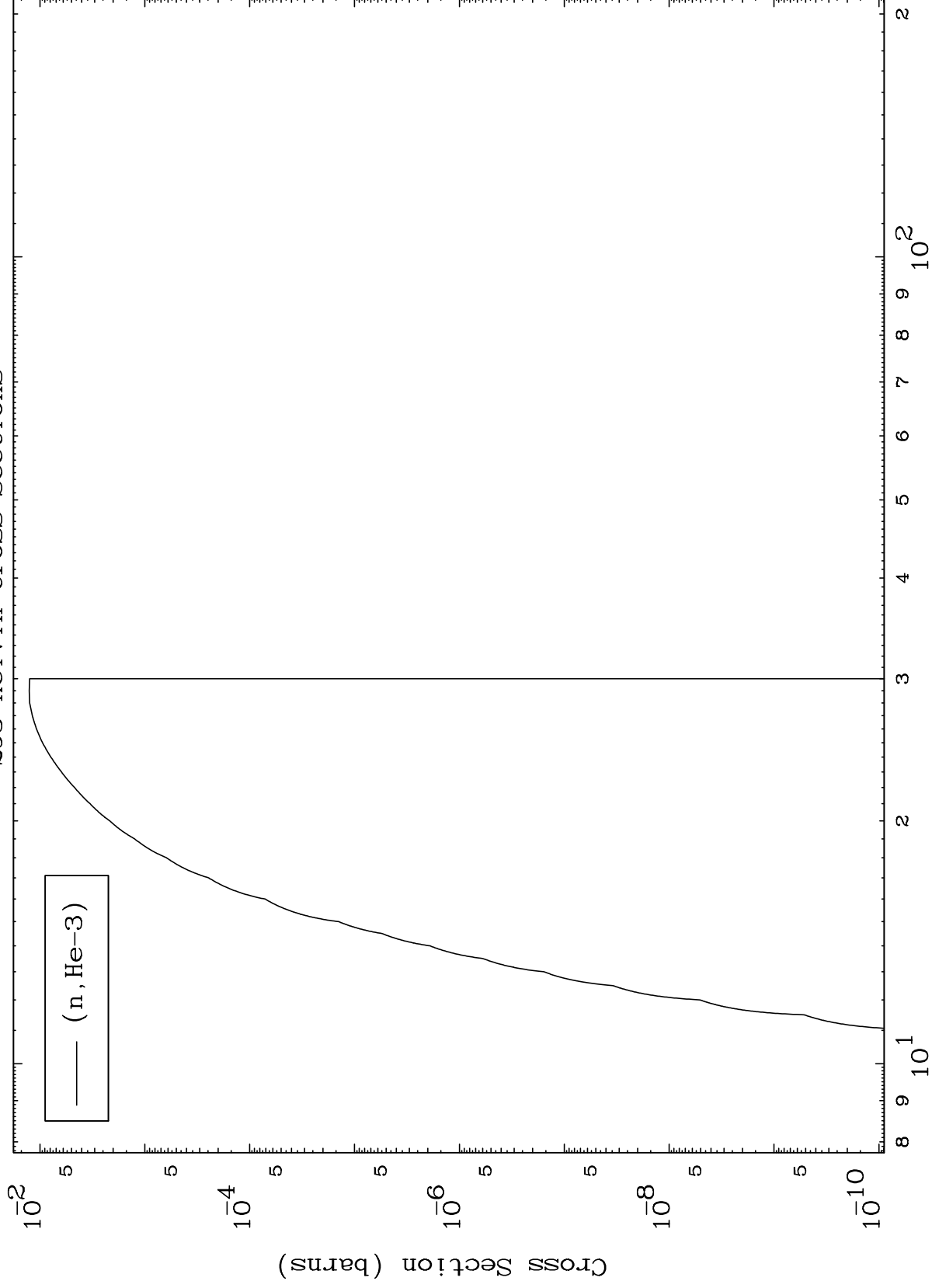
Incident Energy (MeV)

25-Mn-52

MAT 2517

(n,He3) Levels  
293 Kelvin Cross Sections

25-Mn-52



12

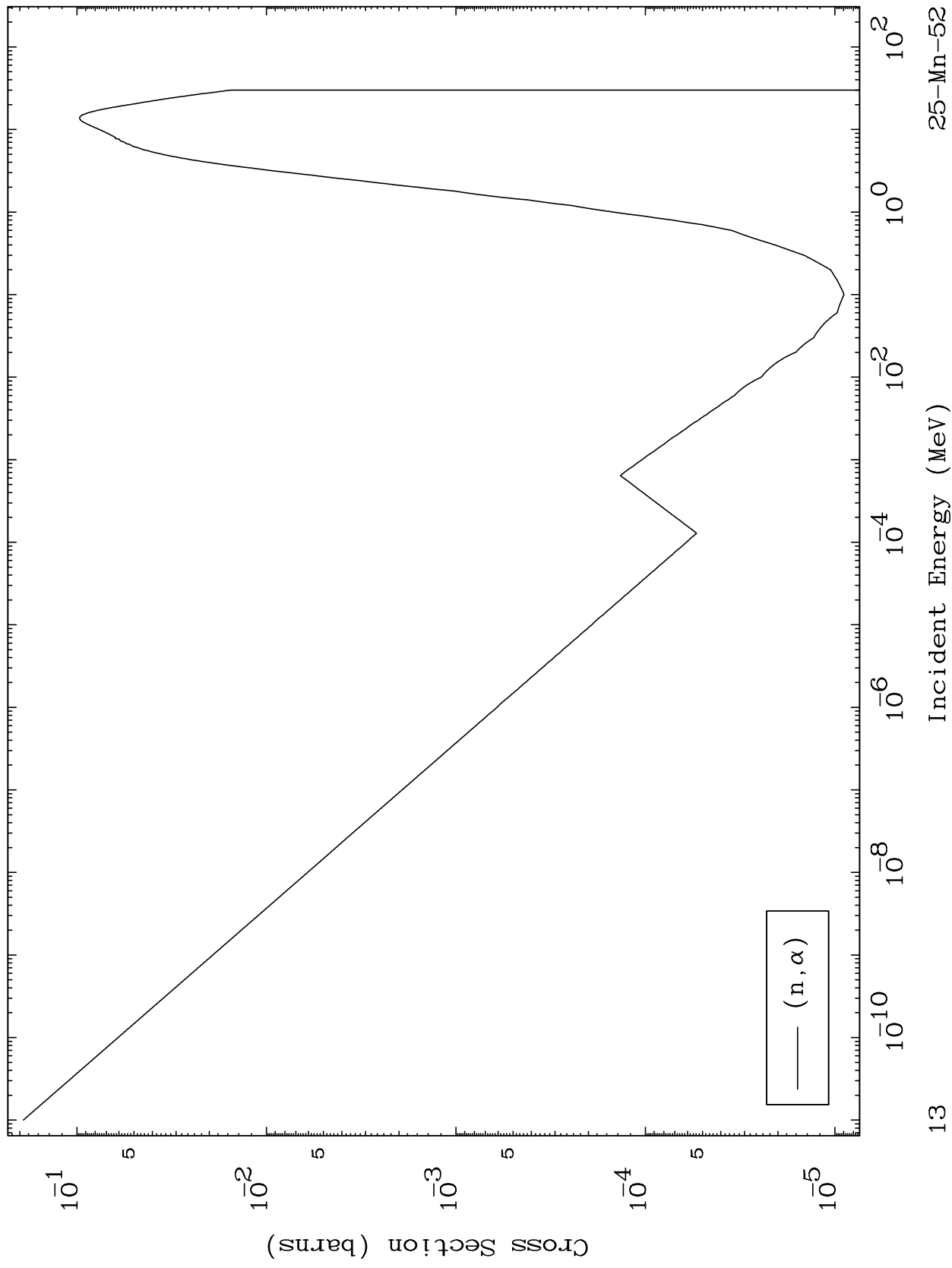
Incident Energy (MeV)

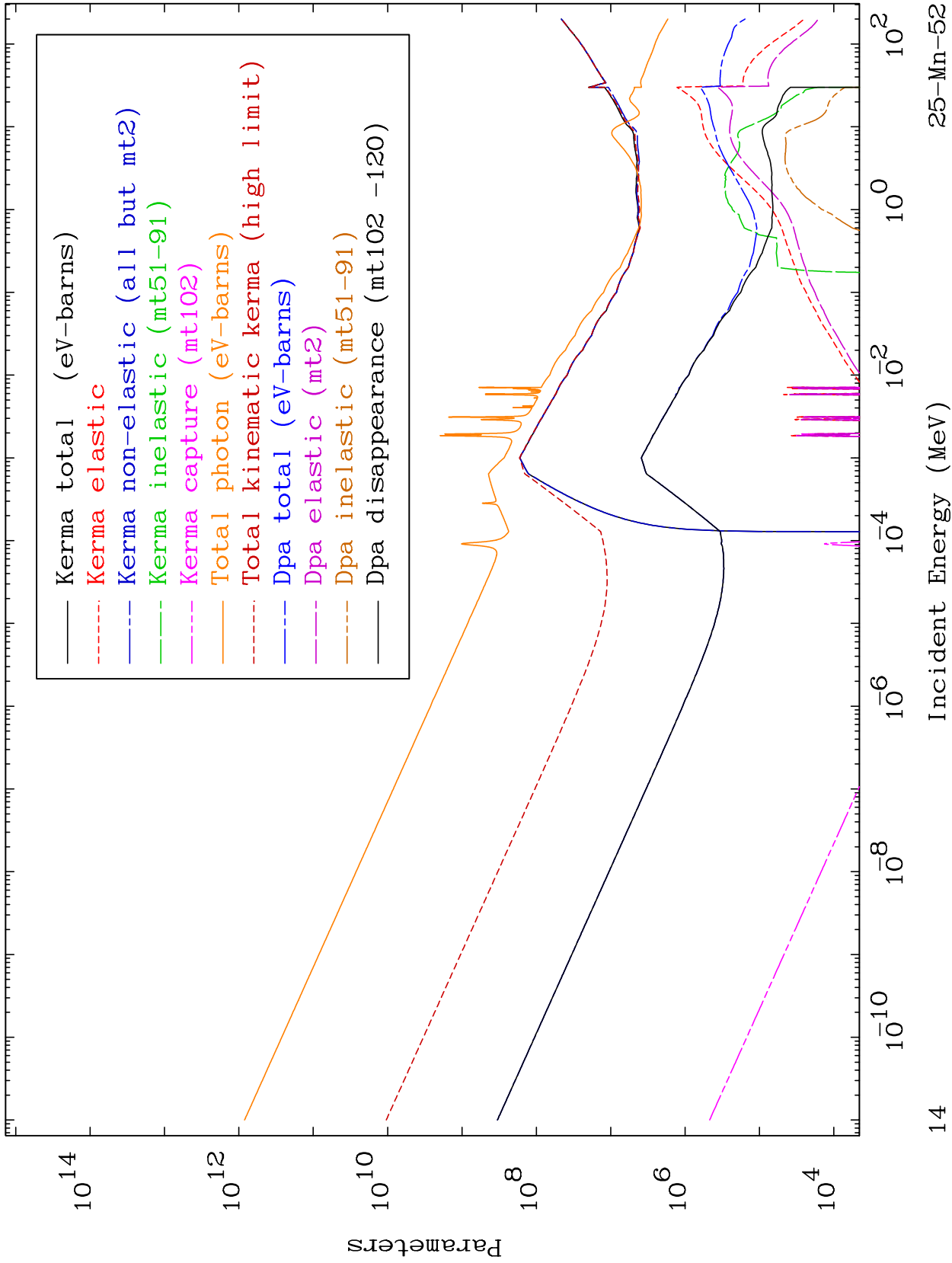
25-Mn-52

MAT 2517

(n,α) Levels  
293 Kelvin Cross Sections

25-Mn-52





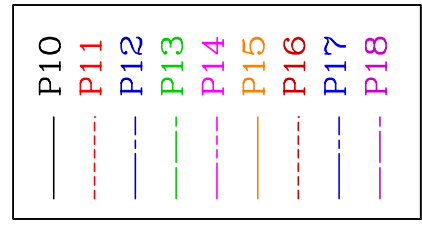




MAT 2517

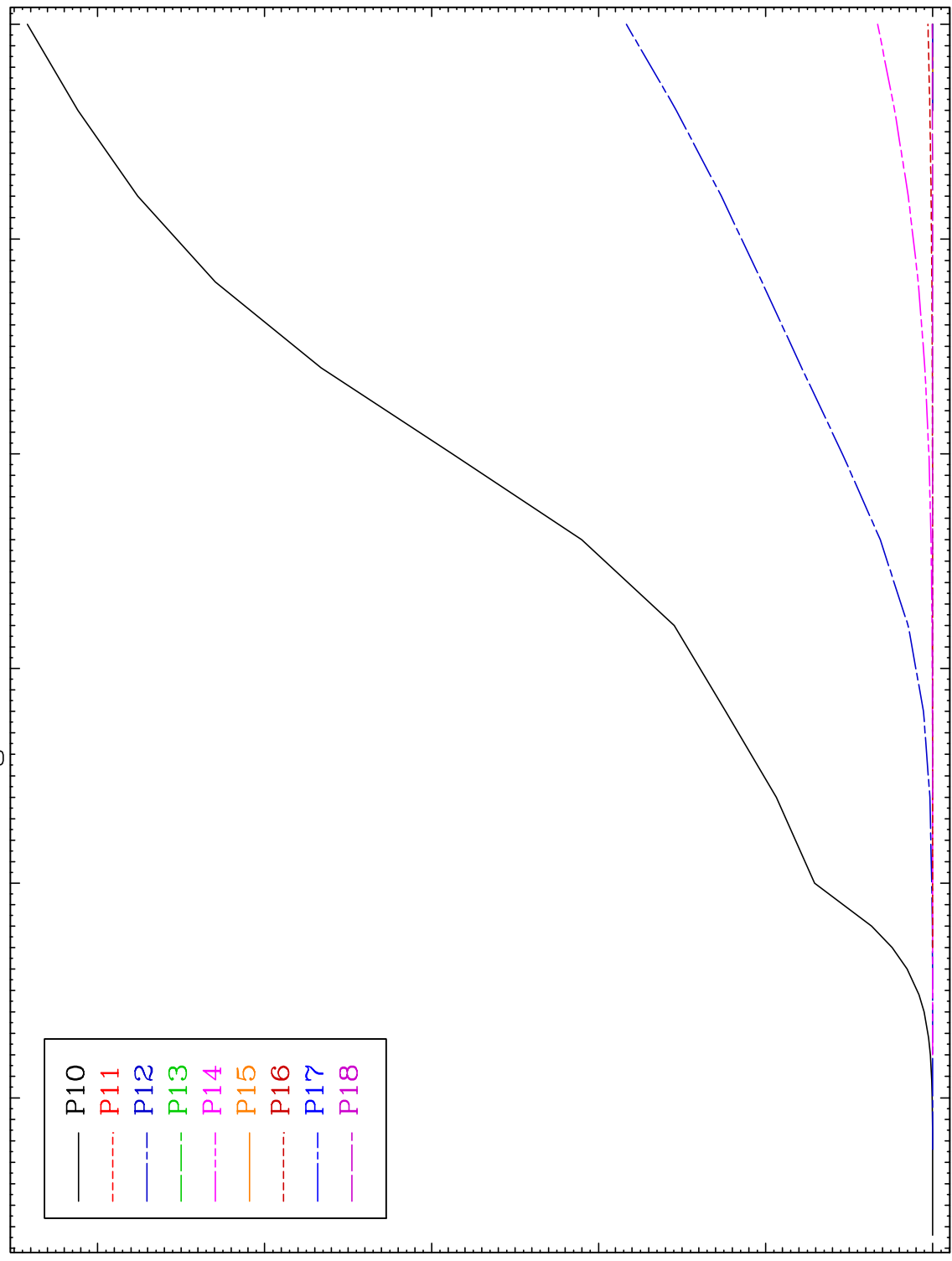
Elastic Legendre Coefficients

25-Mn-52



$\times 10^{-3}$   
Legendre (CM)  
1.0  
0.8  
0.6  
0.4  
0.2  
0.0

5 10 15 20 25 30  
Incident Energy (MeV)  
25-Mn-52  
16

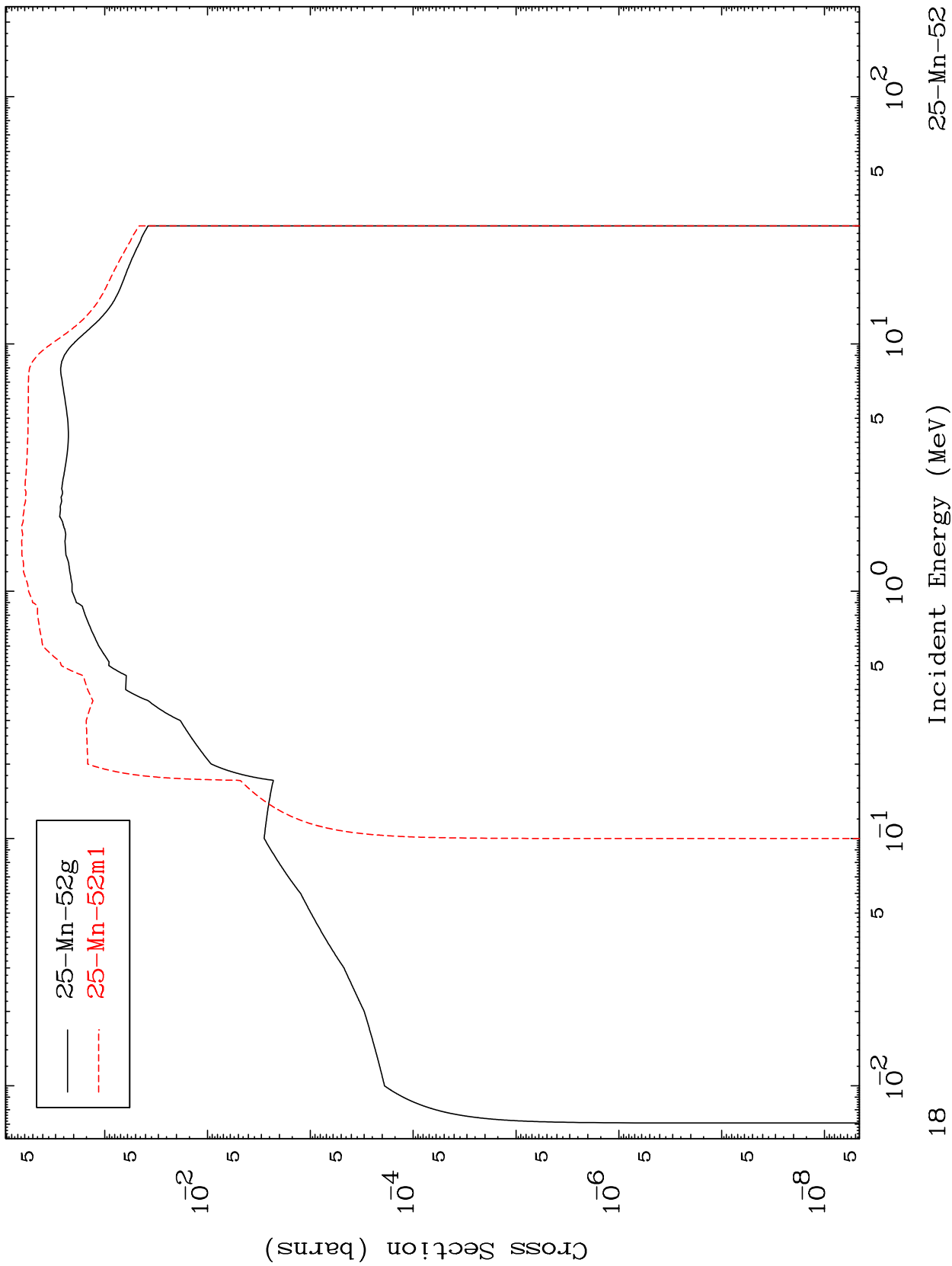




MAT 2517

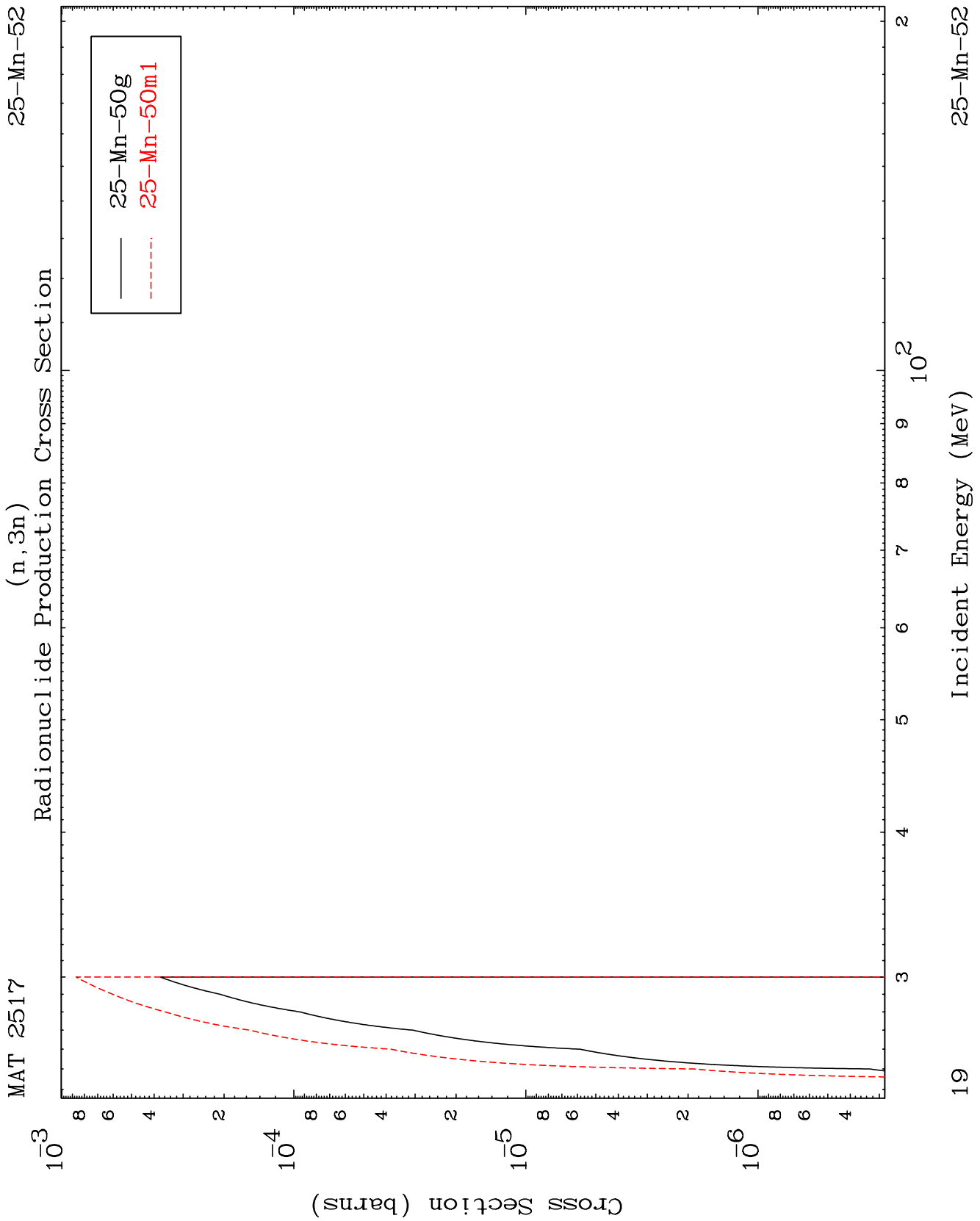
25-Mn-52

### Inelastic Radionuclide Production Cross Section



18

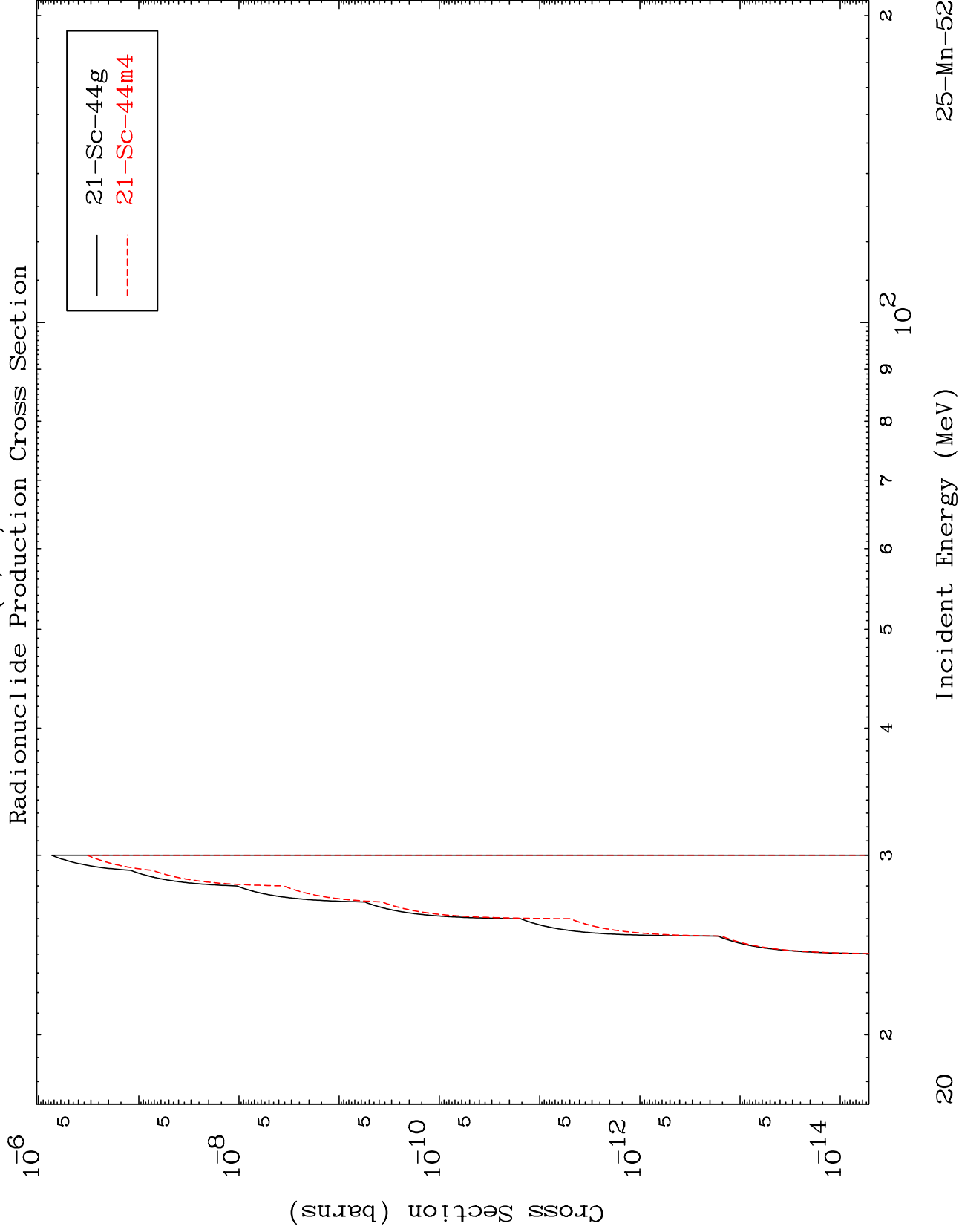
25-Mn-52



MAT 2517

(n,n') 2α

25-Mn-52

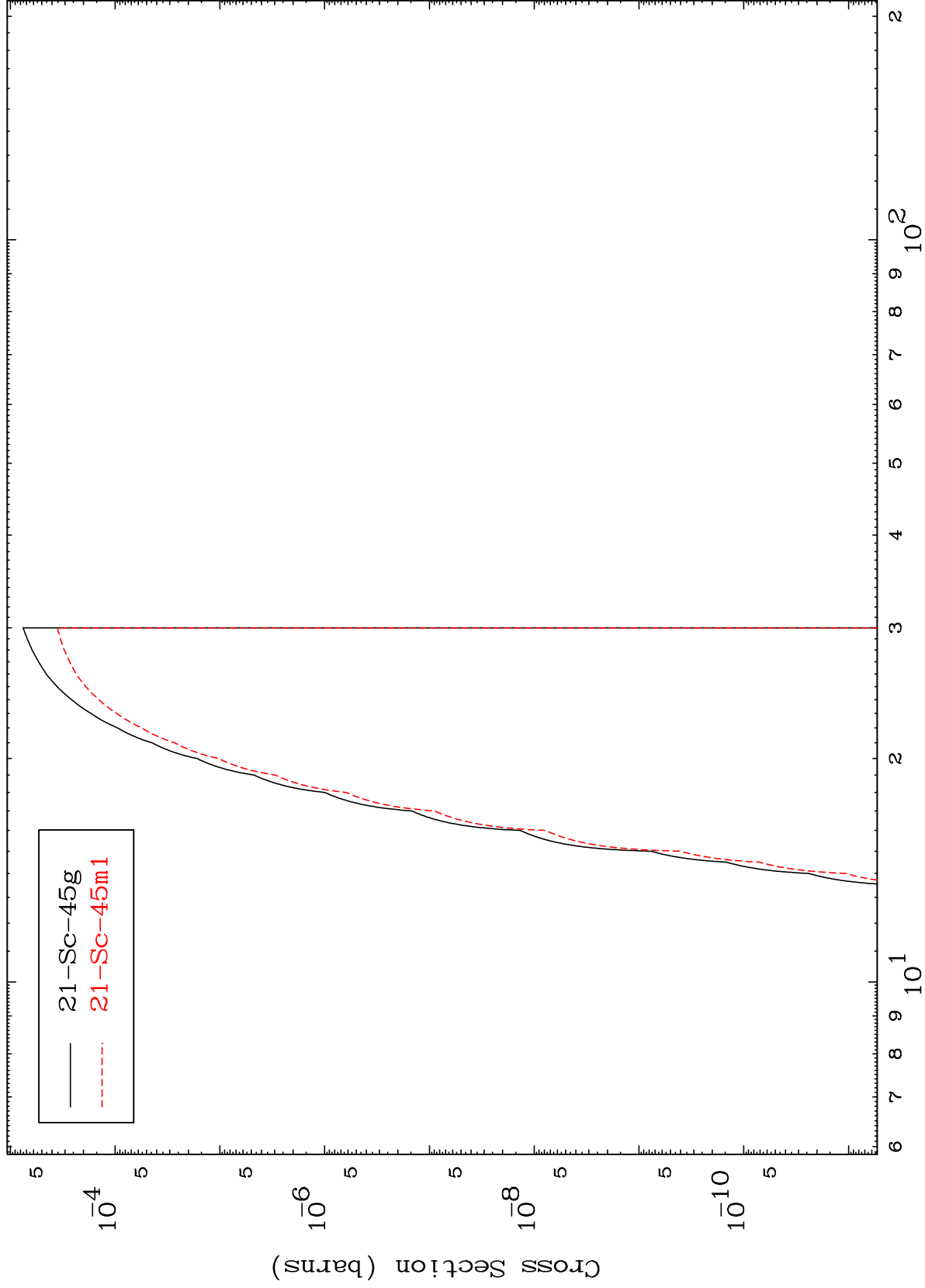


MAT 2517

(n,2α)

25-Mn-52

Radionuclide Production Cross Section



21

Incident Energy (MeV)

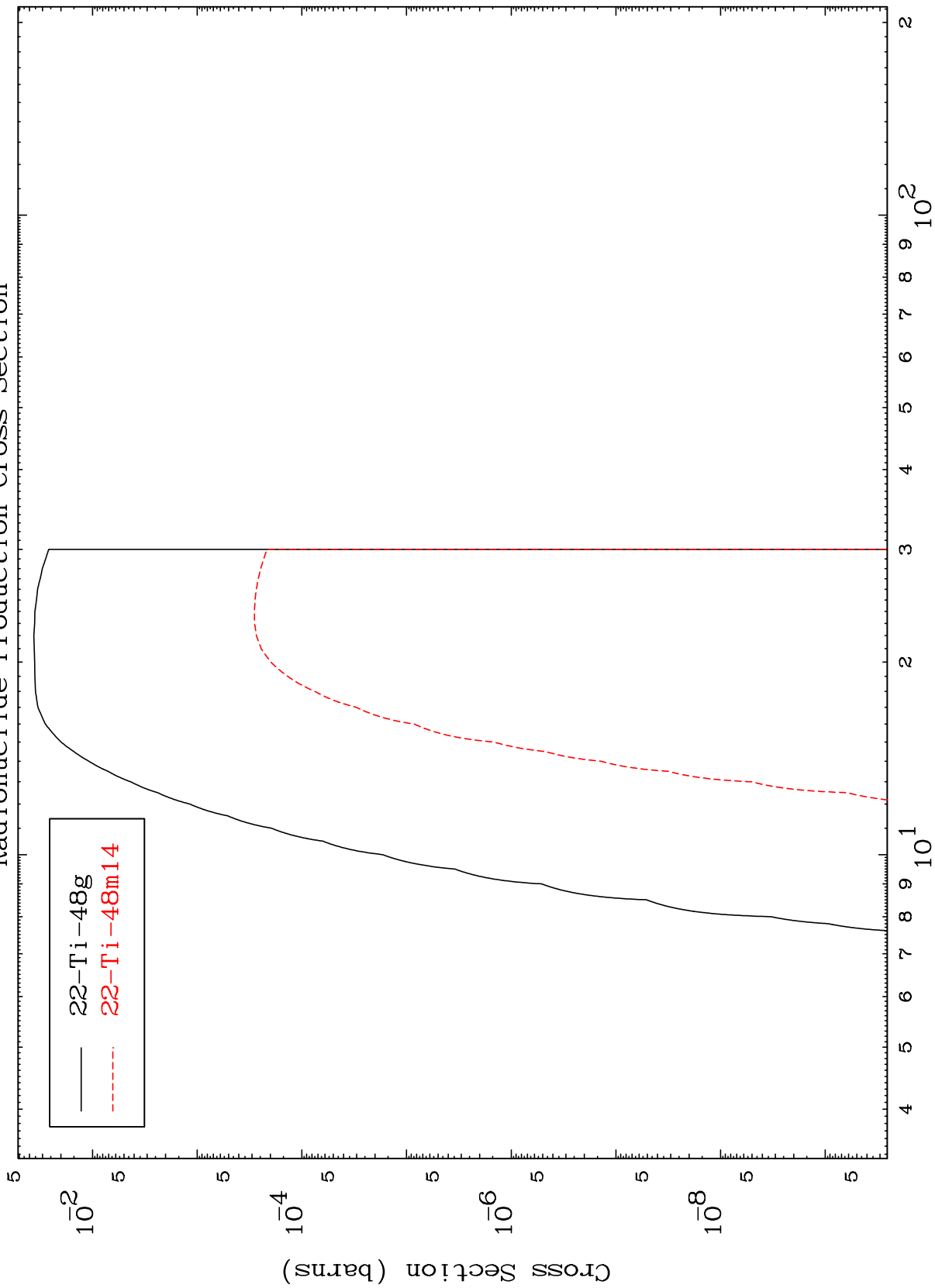
25-Mn-52

MAT 2517

(n,p)  $\alpha$

25-Mn-52

Radionuclide Production Cross Section



22

Incident Energy (MeV)

25-Mn-52