

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

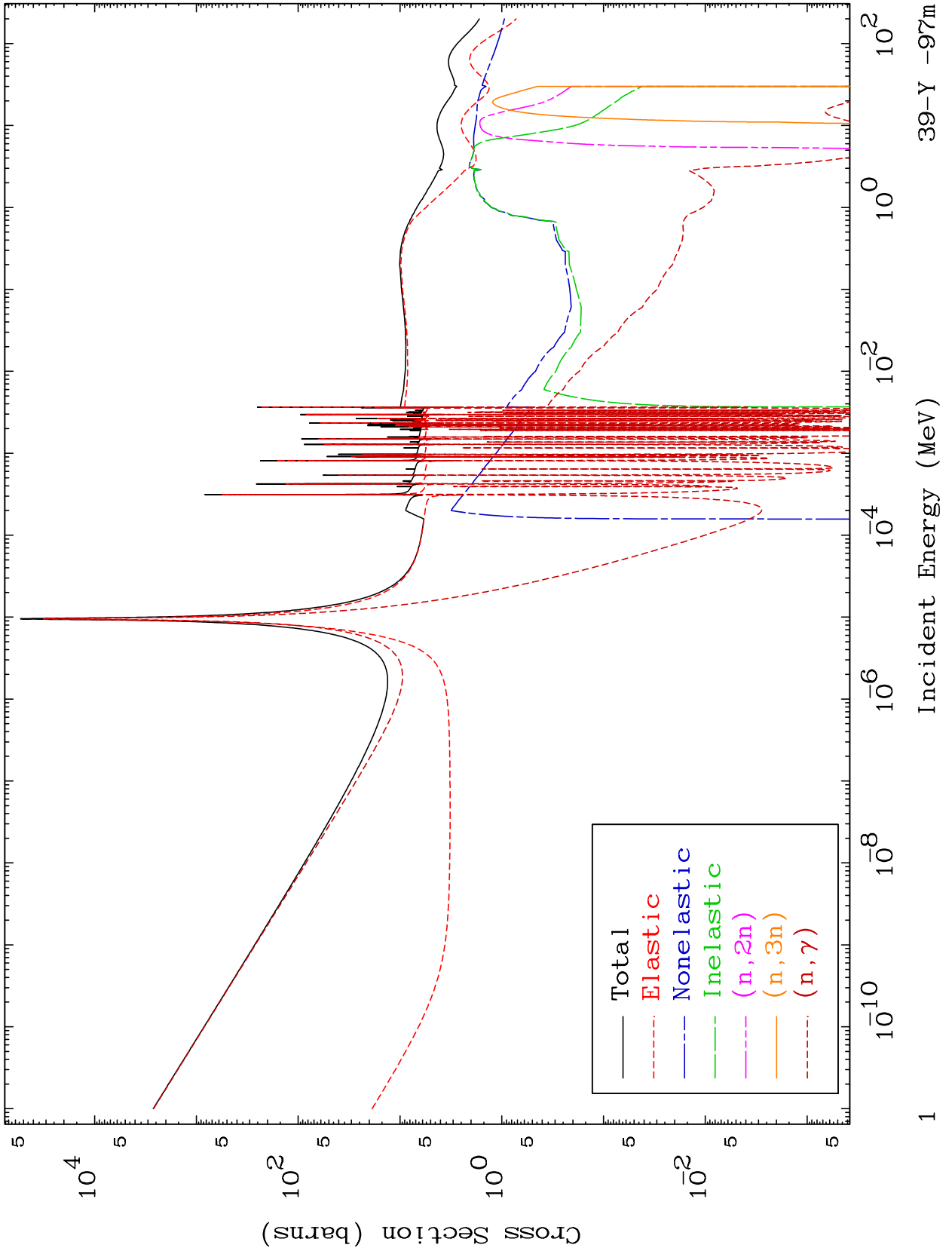
Web:redcullen1.net/HOMEPAGE.NEW

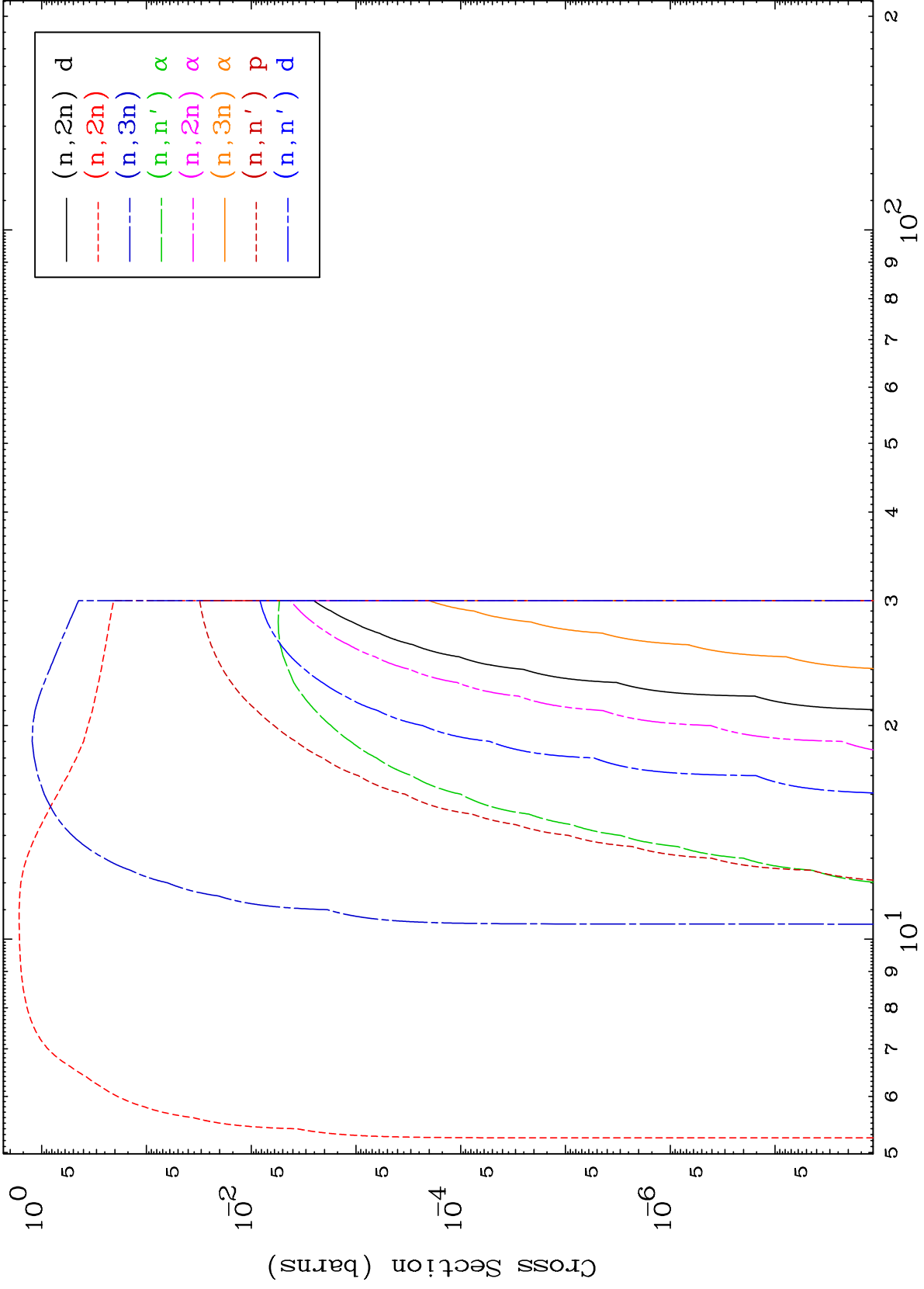
Press Mouse Button to Start

MAT 3950

Neutron Major  
293 Kelvin Cross Sections

39-Y -97m

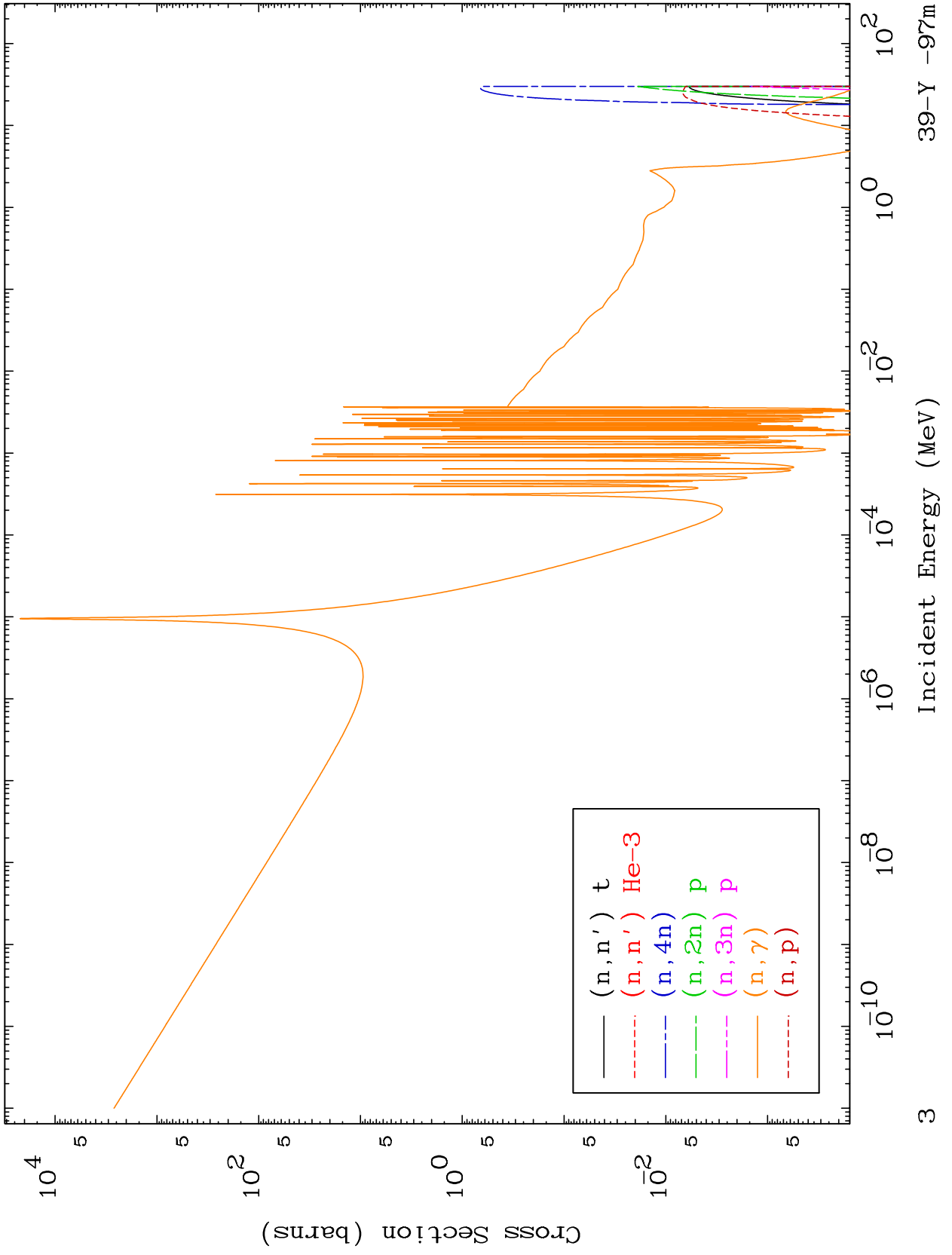


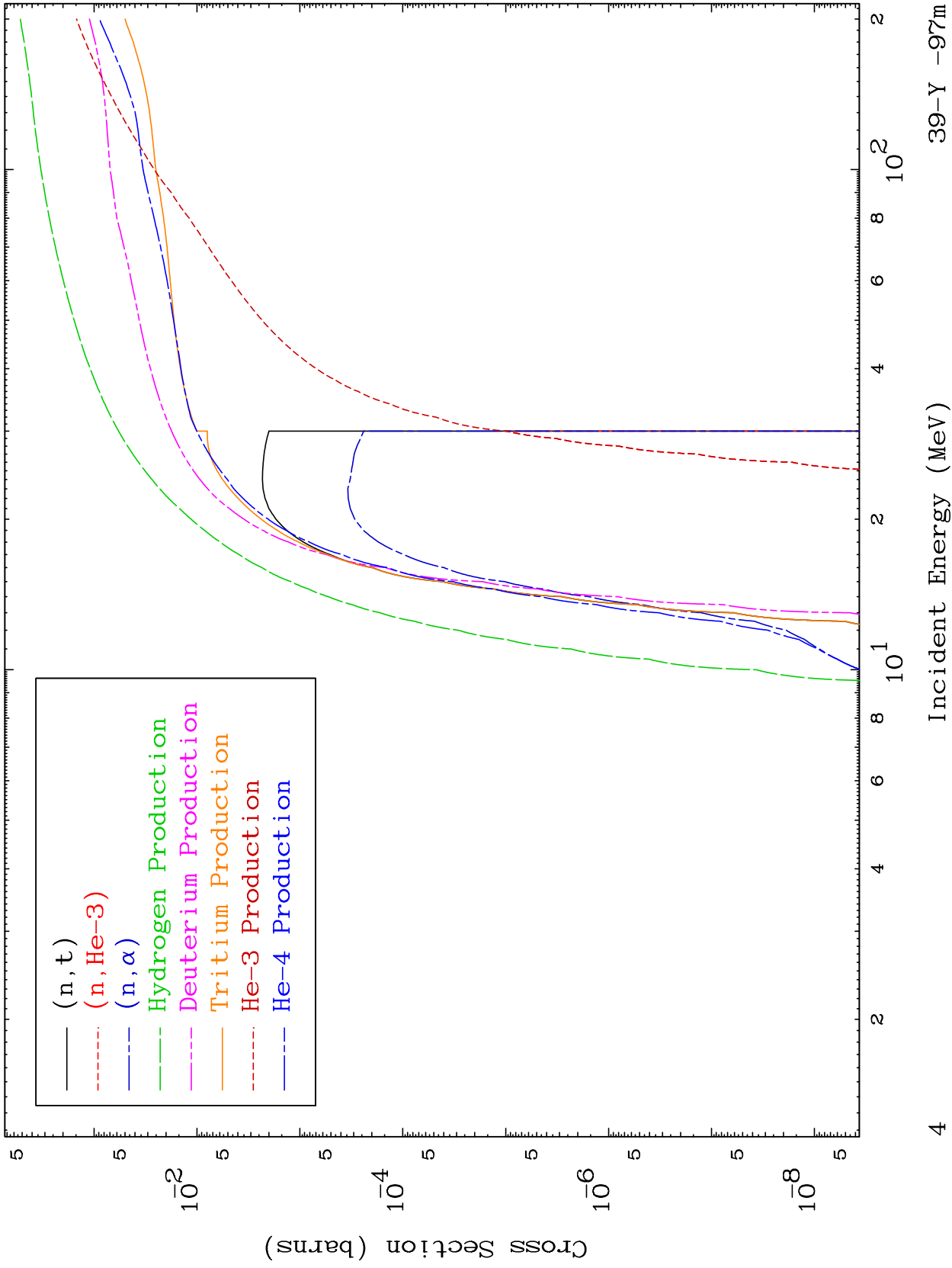


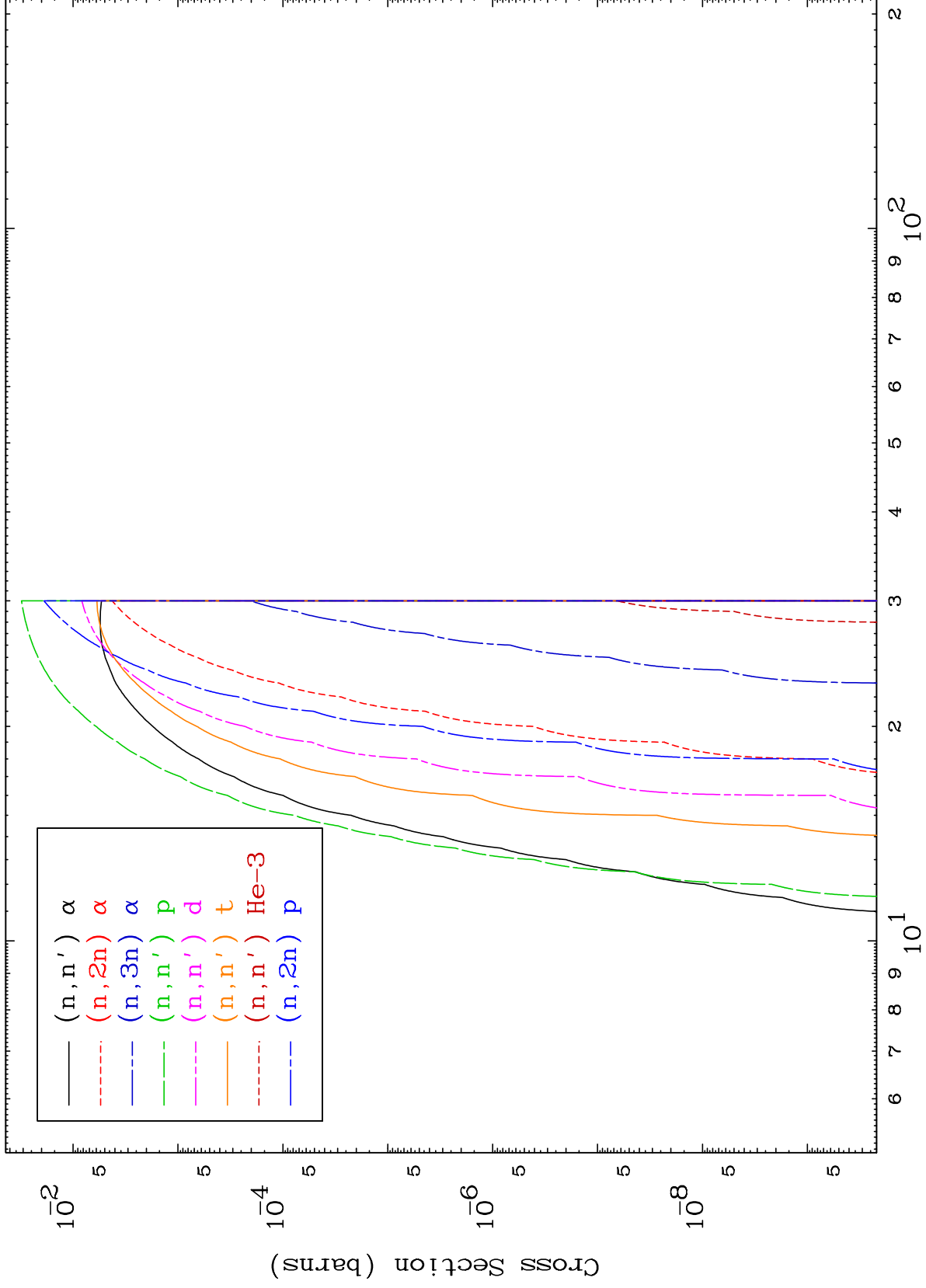
MAT 3950

Neutron Absorption  
293 Kelvin Cross Sections

39-Y -97m



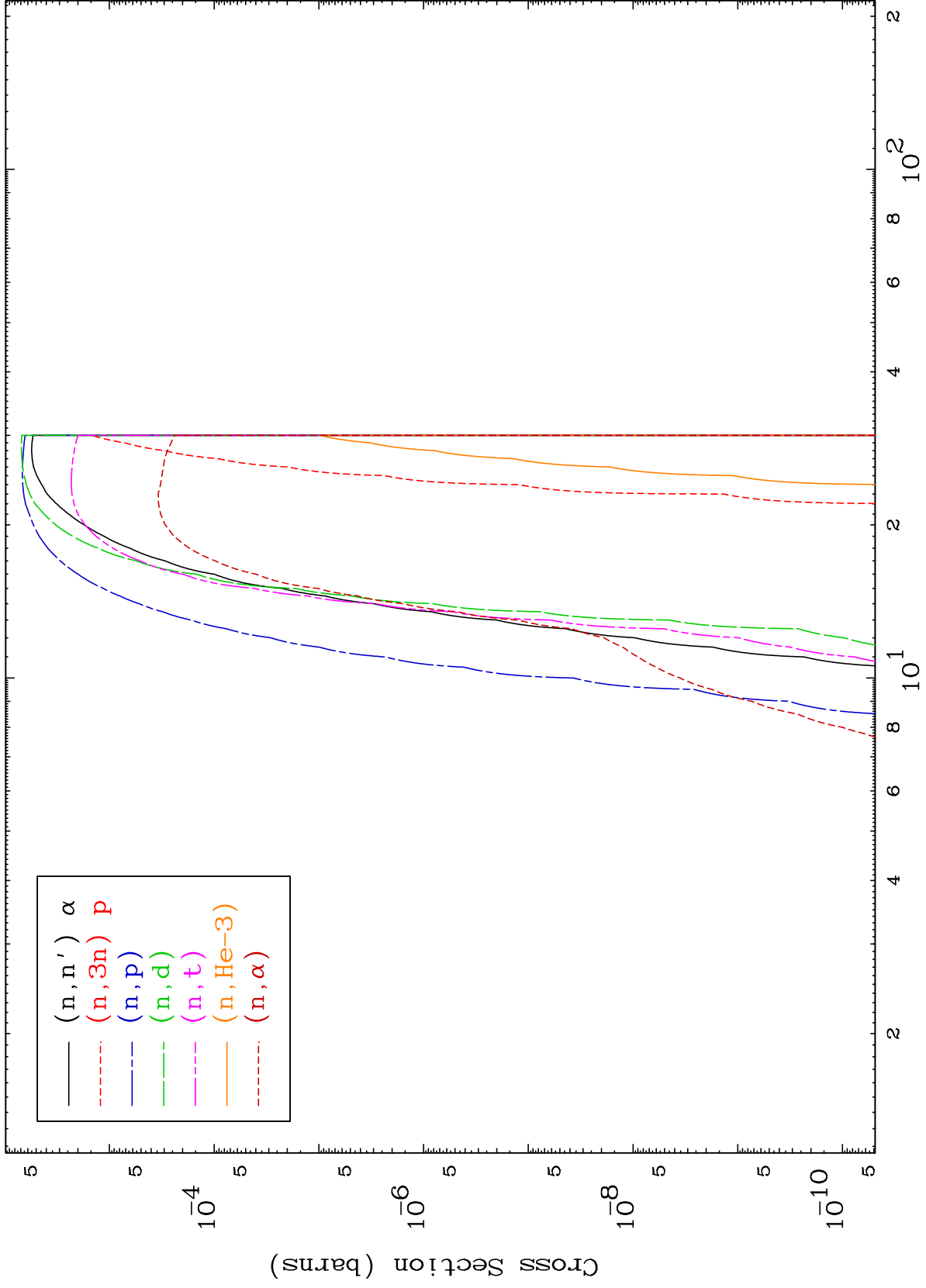




MAT 3950

Charged Particle  
293 Kelvin Cross Sections

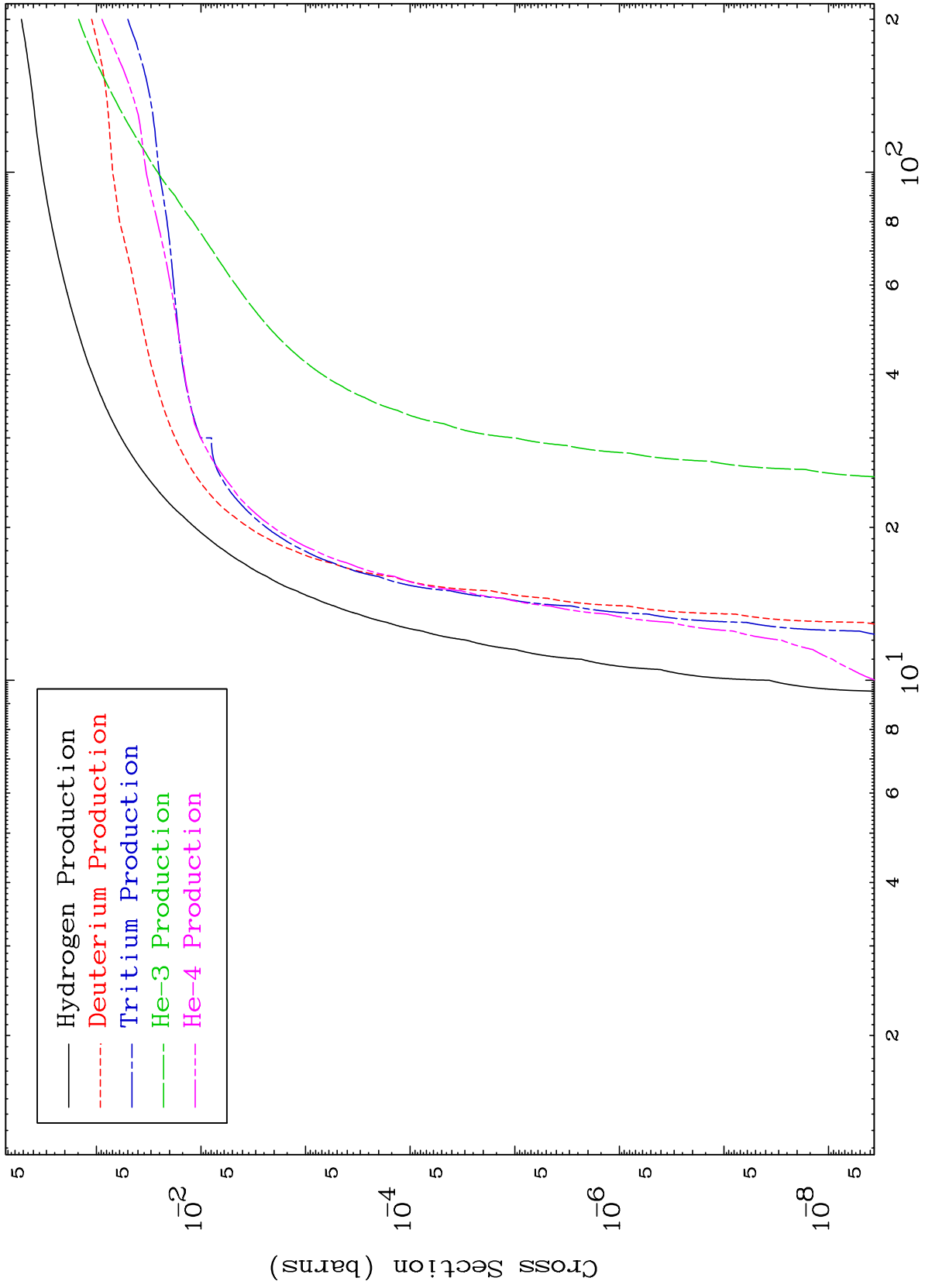
39-Y -97m



6

Incident Energy (MeV)

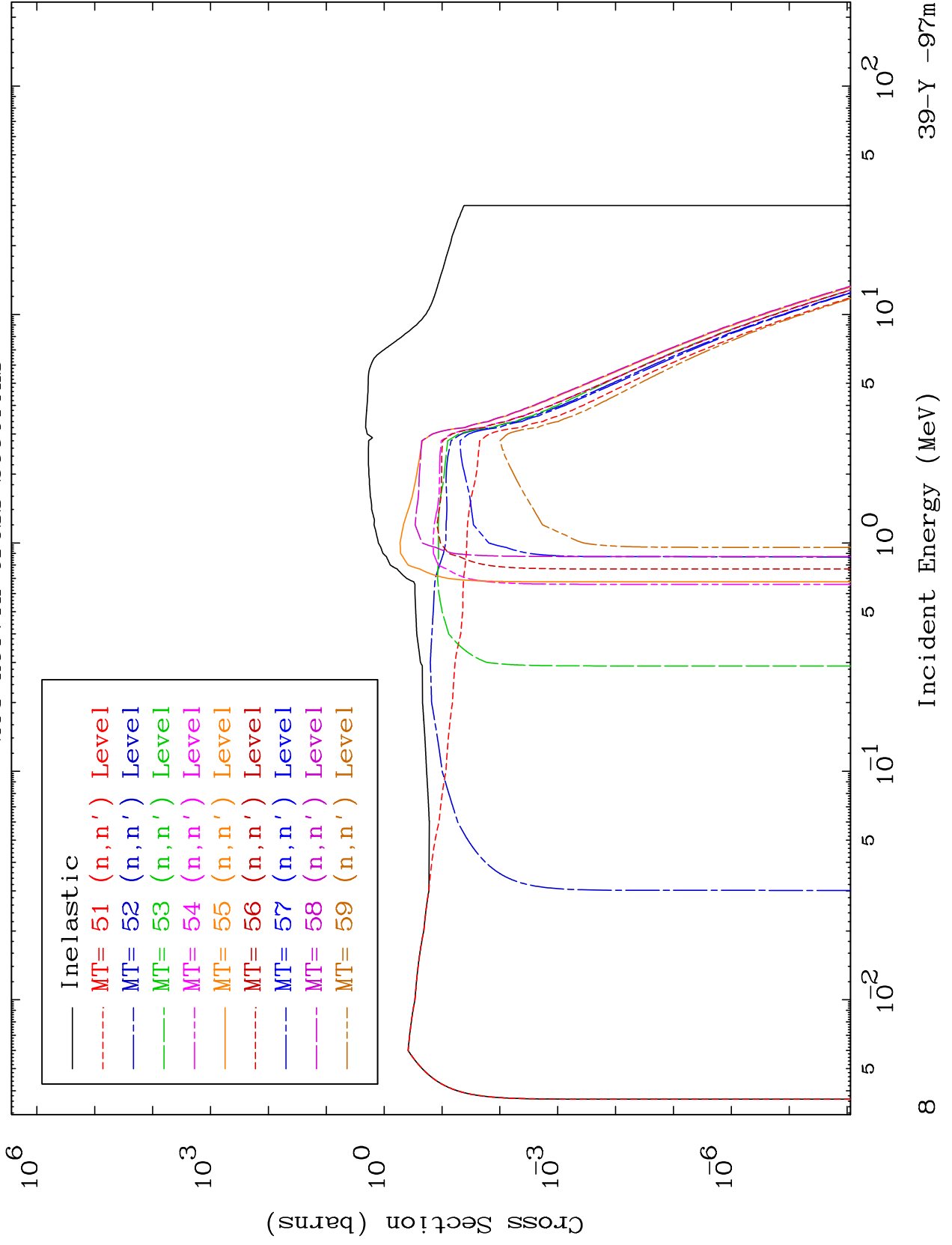
39-Y -97m



MAT 3950

(n,n') Levels  
293 Kelvin Cross Sections

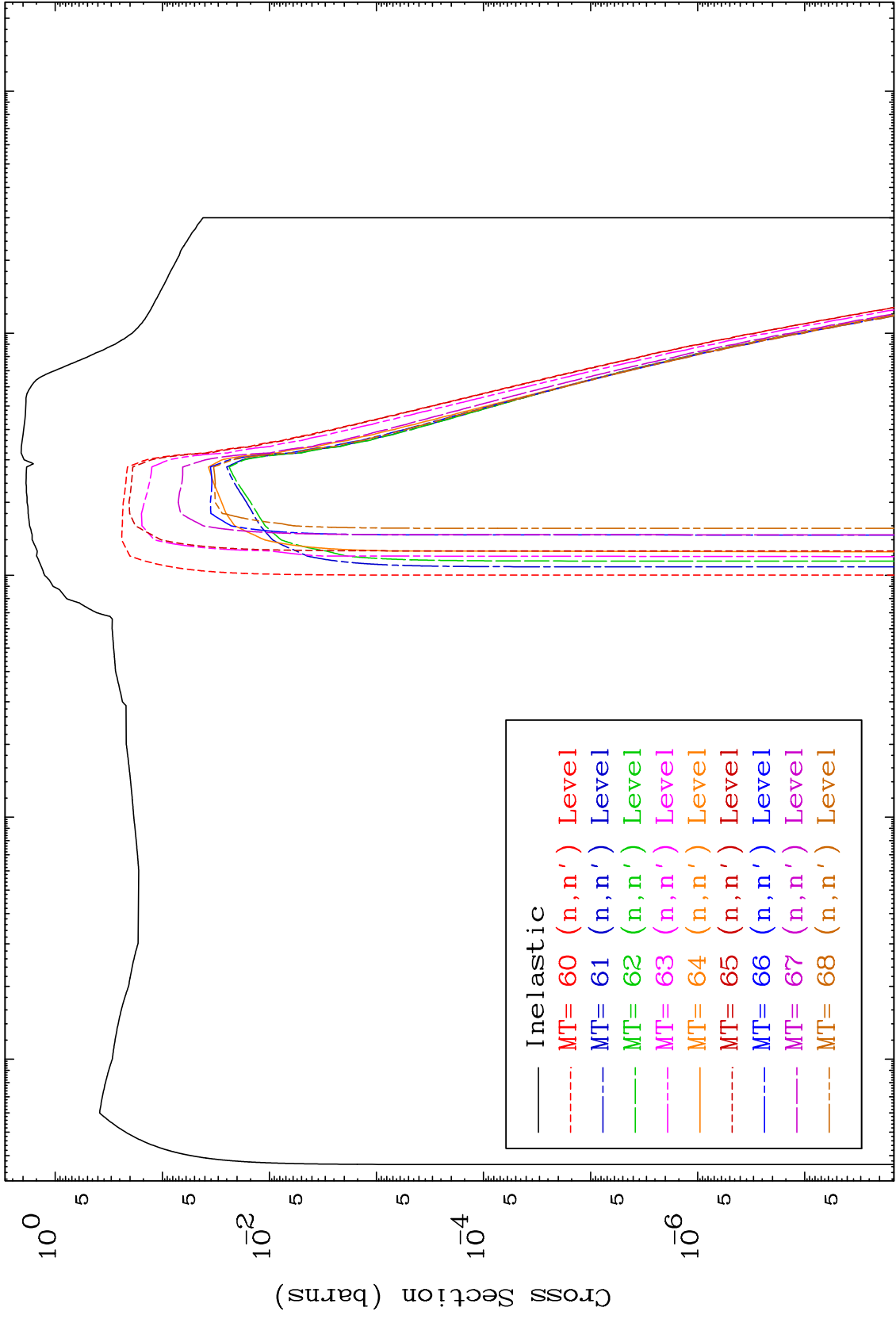
39-Y -97m



MAT 3950

(n,n') Levels  
293 Kelvin Cross Sections

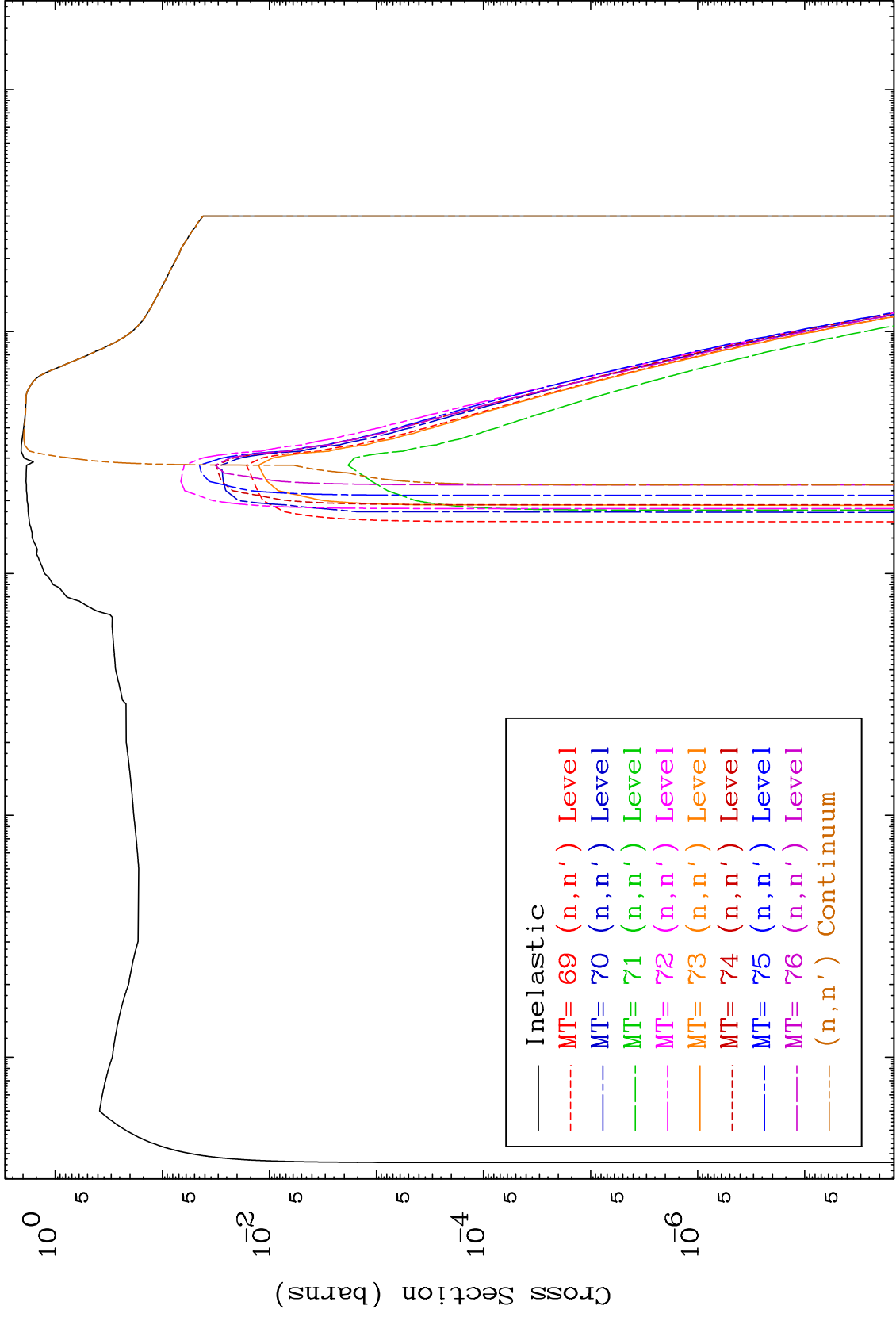
39-Y -97m



MAT 3950

(n,n') Levels  
293 Kelvin Cross Sections

39-Y -97m



10

5

10<sup>-1</sup>

5

10<sup>0</sup>

5

10<sup>1</sup>

5

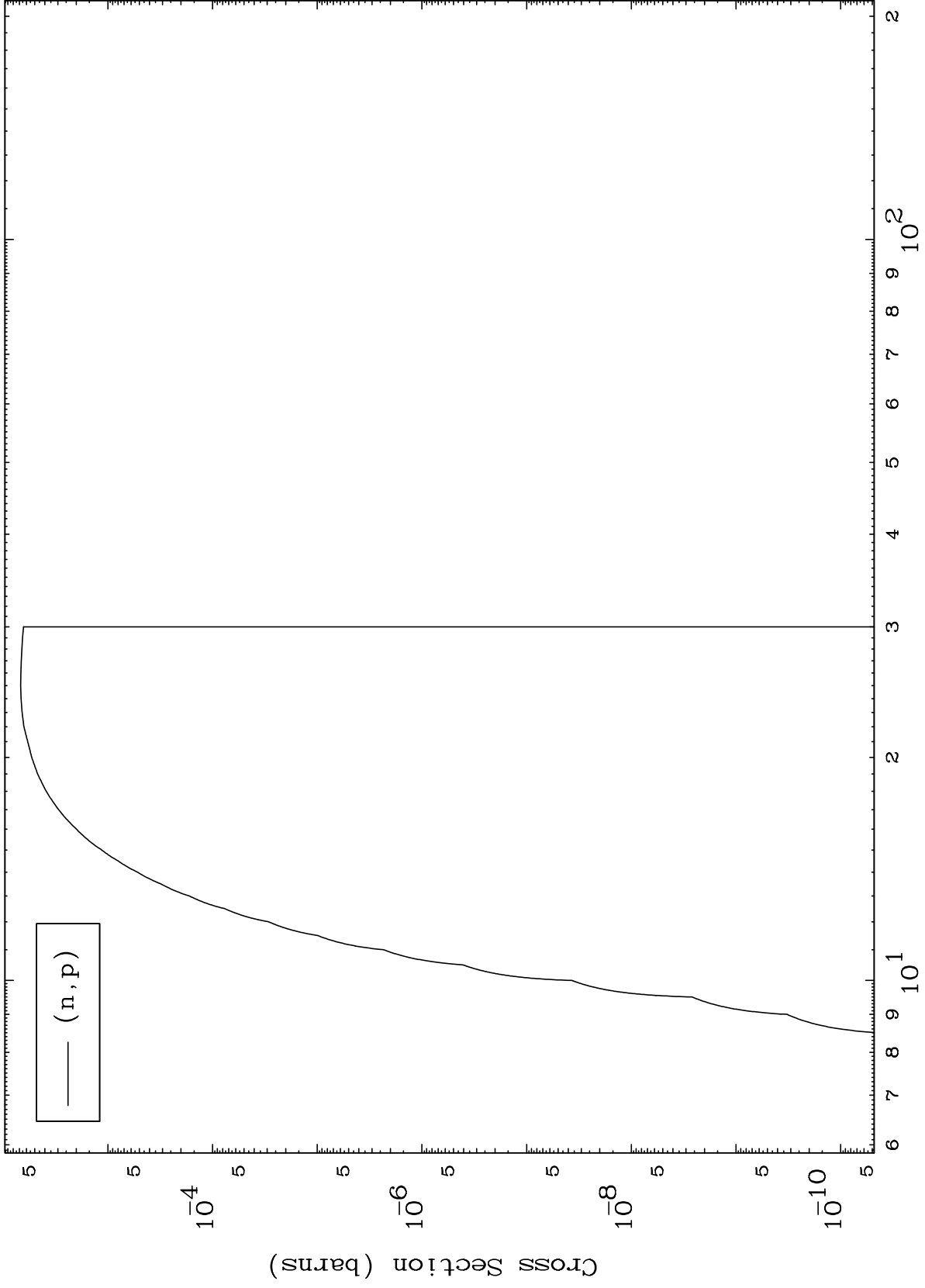
10<sup>2</sup>

39-Y -97m

MAT 3950

(n,p) Levels  
293 Kelvin Cross Sections

39-Y -97m



11

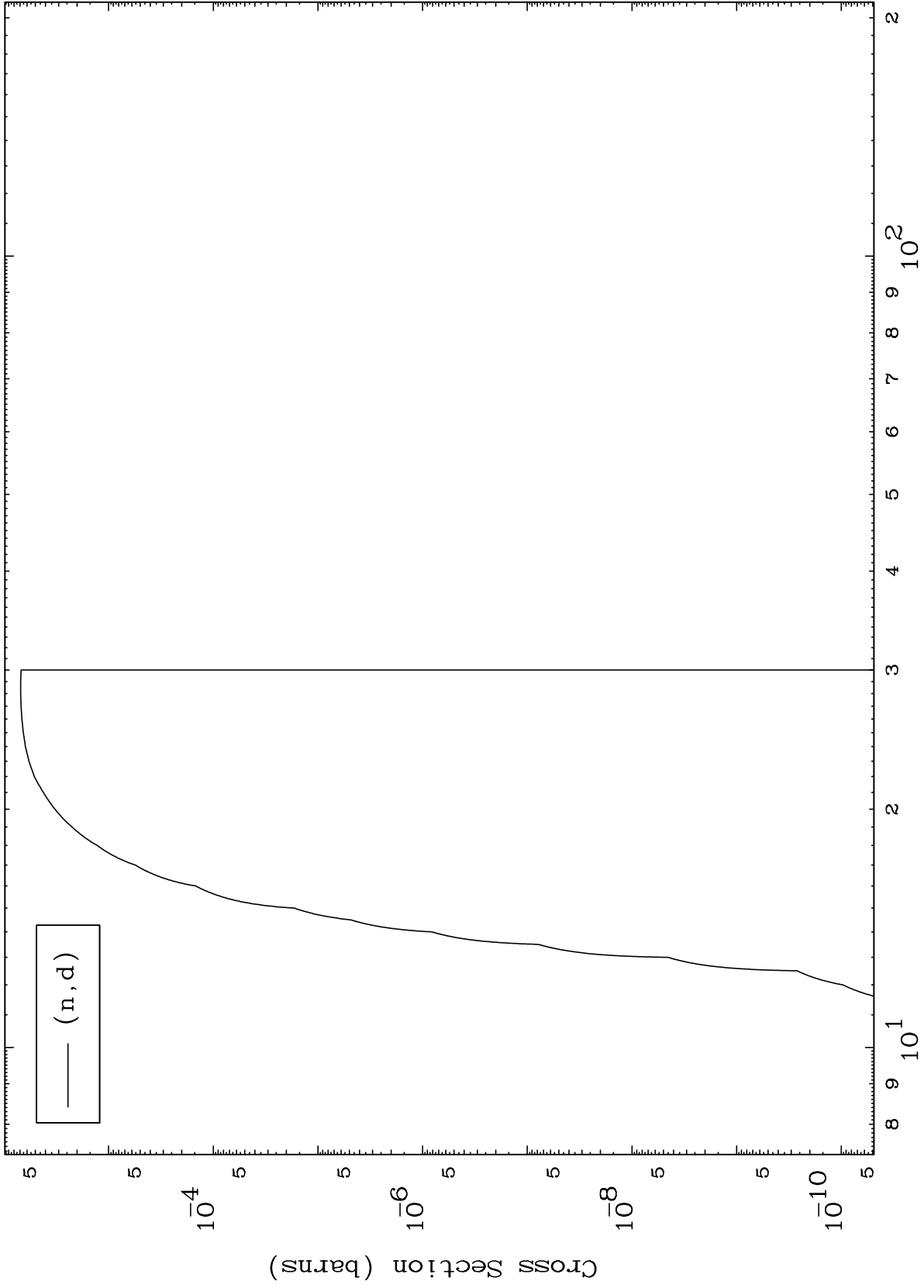
Incident Energy (MeV)

39-Y -97m

MAT 3950

(n,d) Levels  
293 Kelvin Cross Sections

39-Y -97m



12

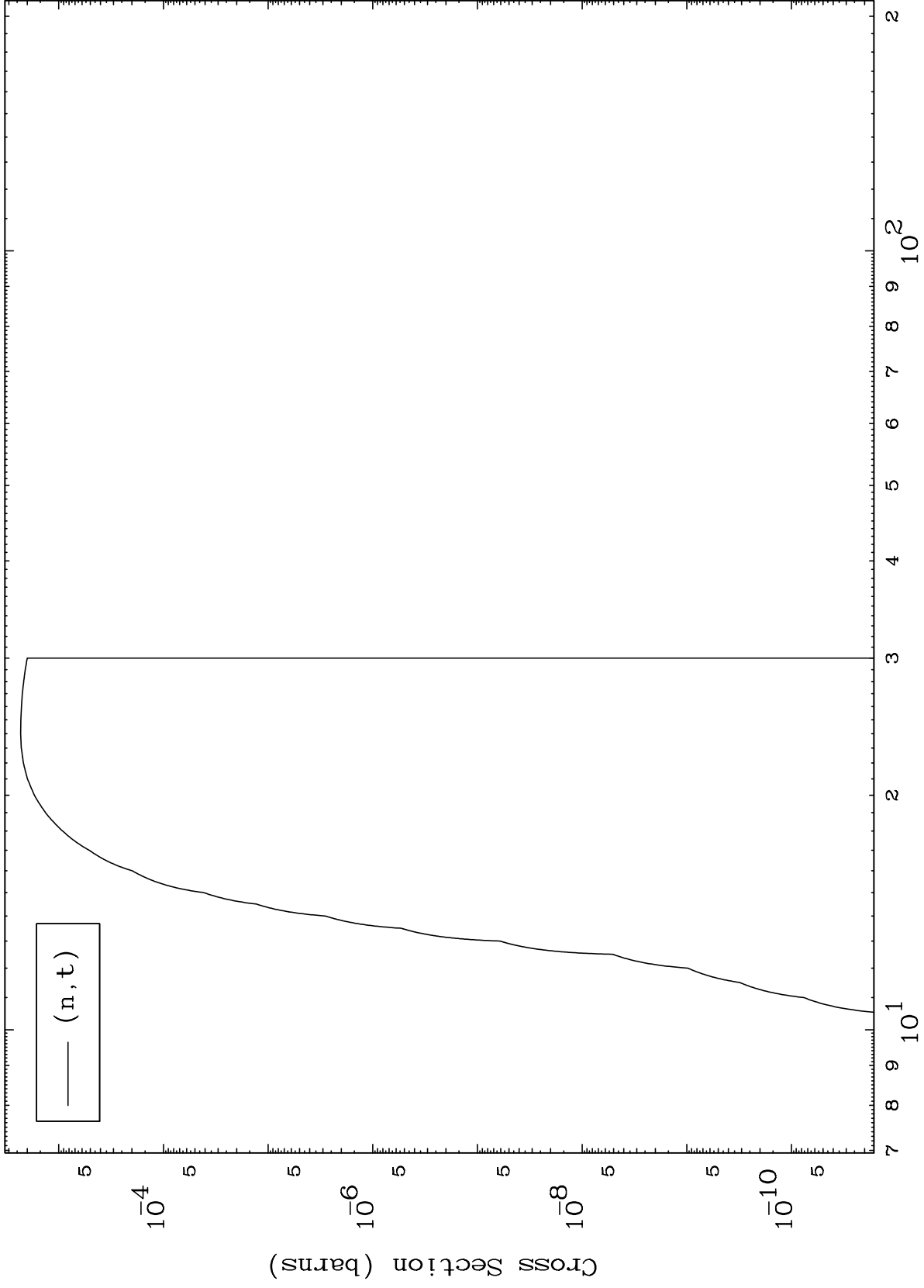
Incident Energy (MeV)

39-Y -97m

MAT 3950

(n,t) Levels  
293 Kelvin Cross Sections

39-Y -97m



13

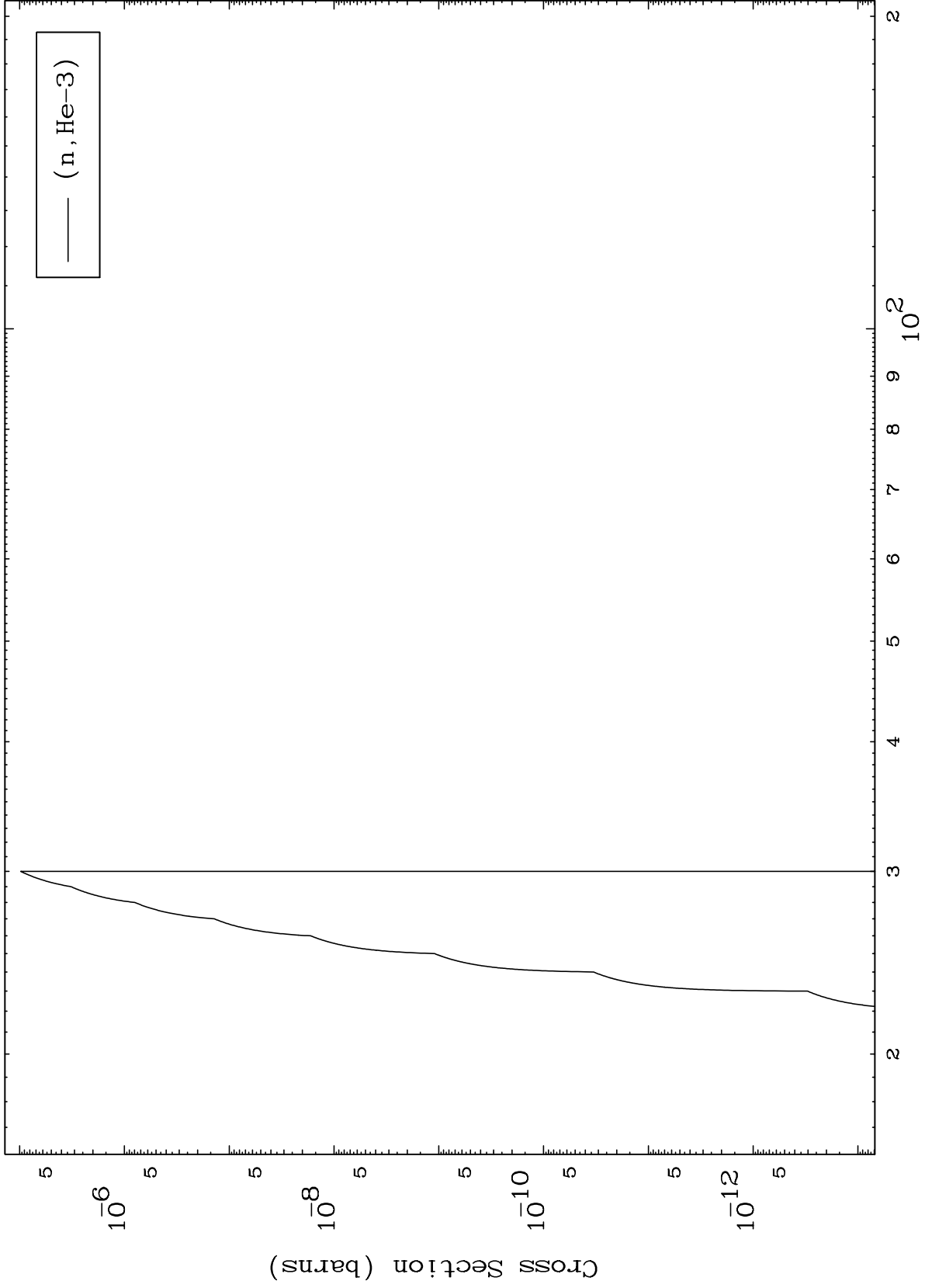
Incident Energy (MeV)

39-Y -97m

MAT 3950

(n,He3) Levels  
293 Kelvin Cross Sections

39-Y -97m



14

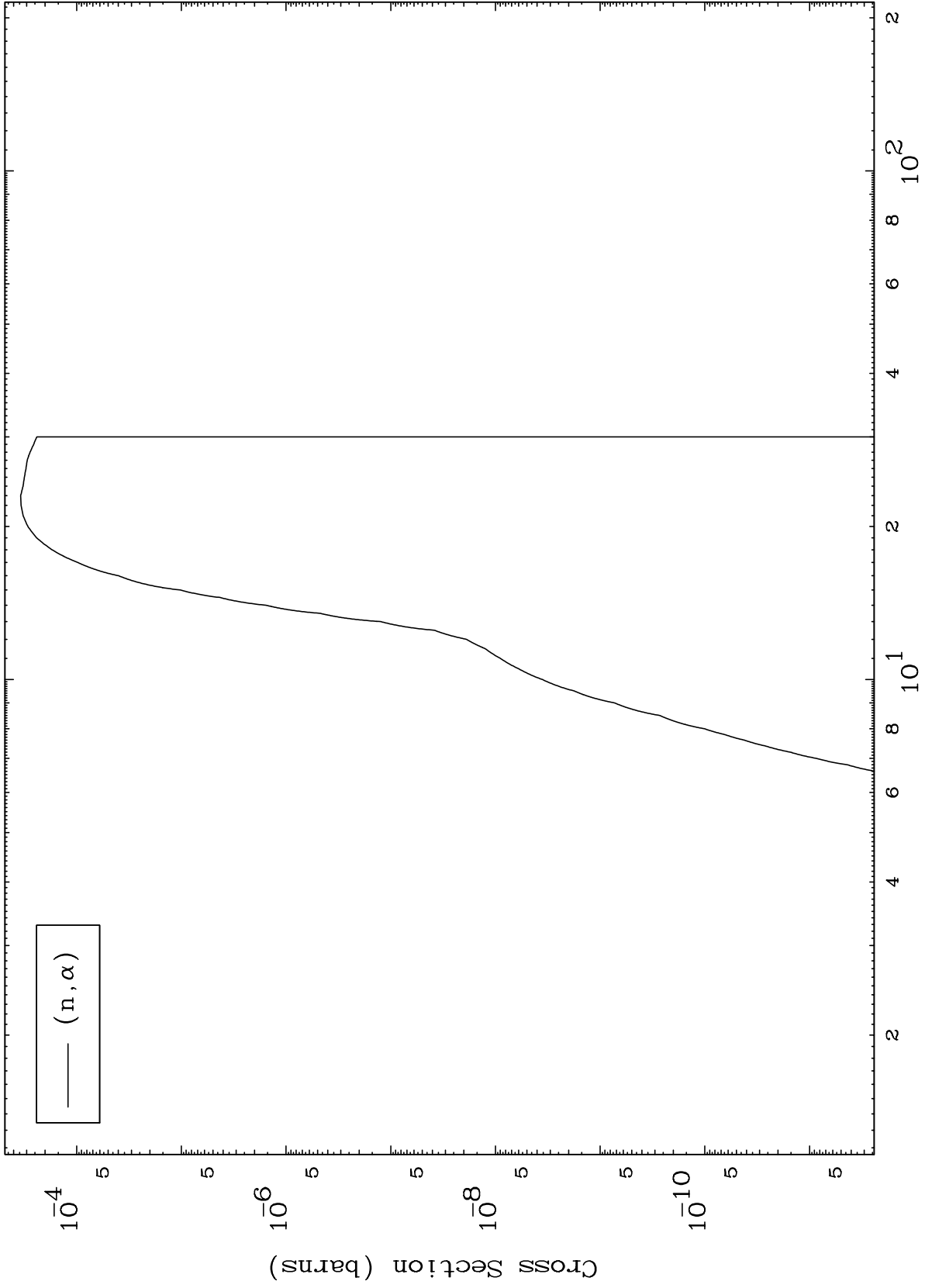
Incident Energy (MeV)

39-Y -97m

MAT 3950

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

39-Y -97m

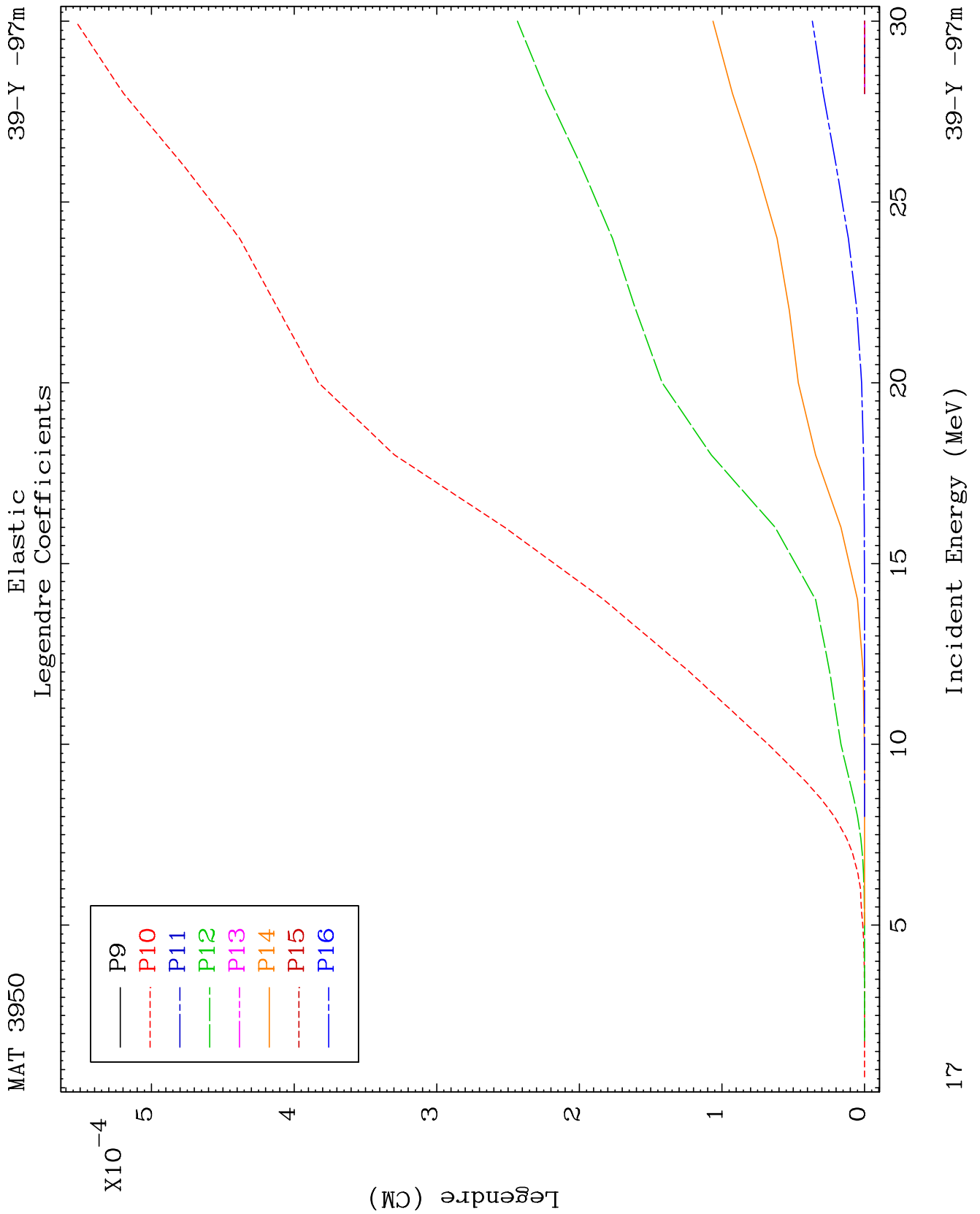


15

Incident Energy (MeV)

39-Y -97m

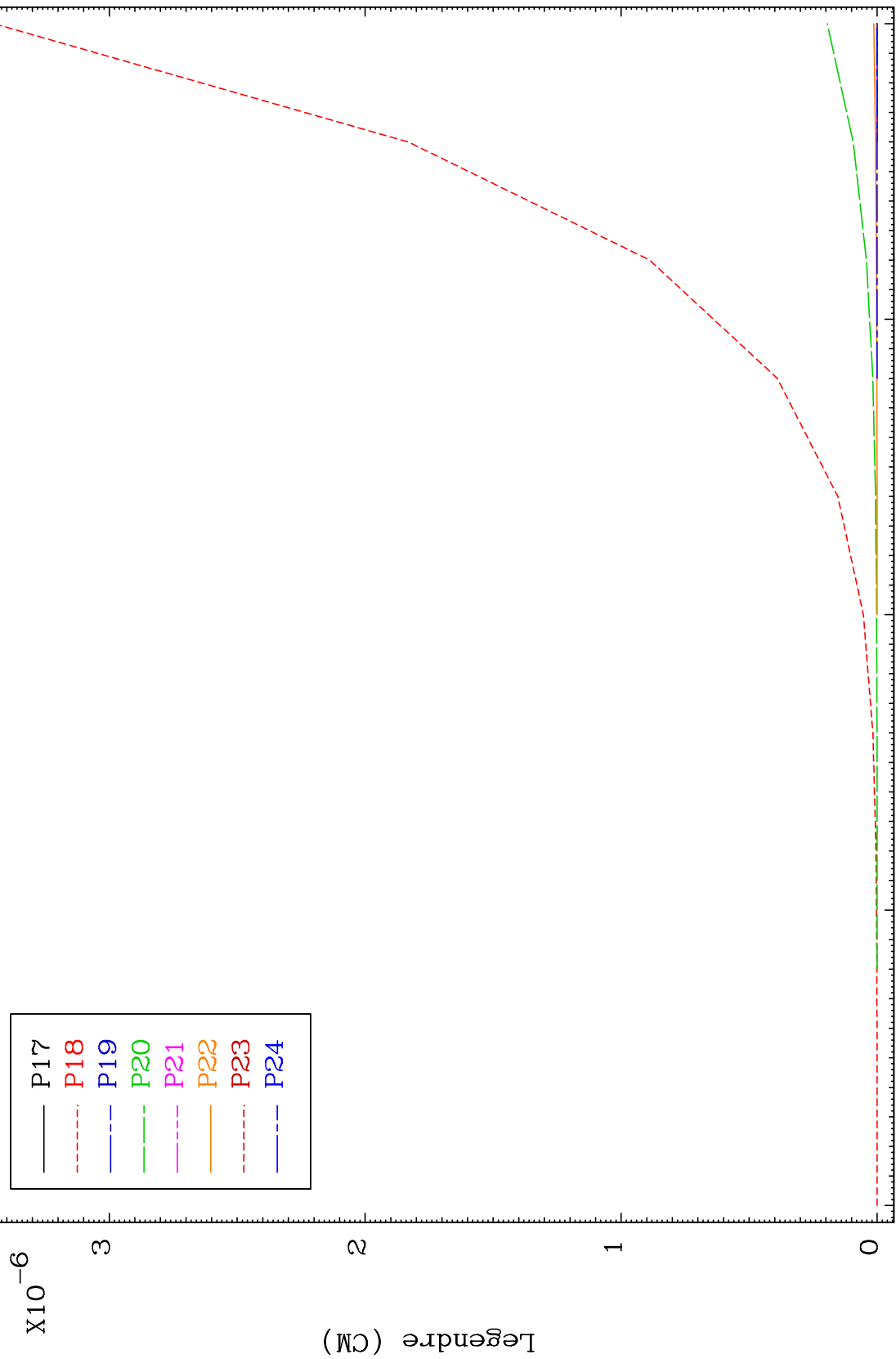
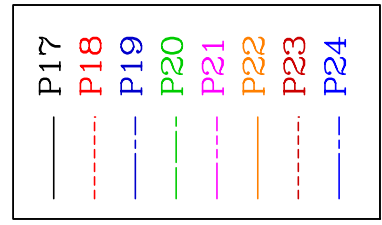




MAT 3950

### Elastic Legendre Coefficients

39-Y -97m



18

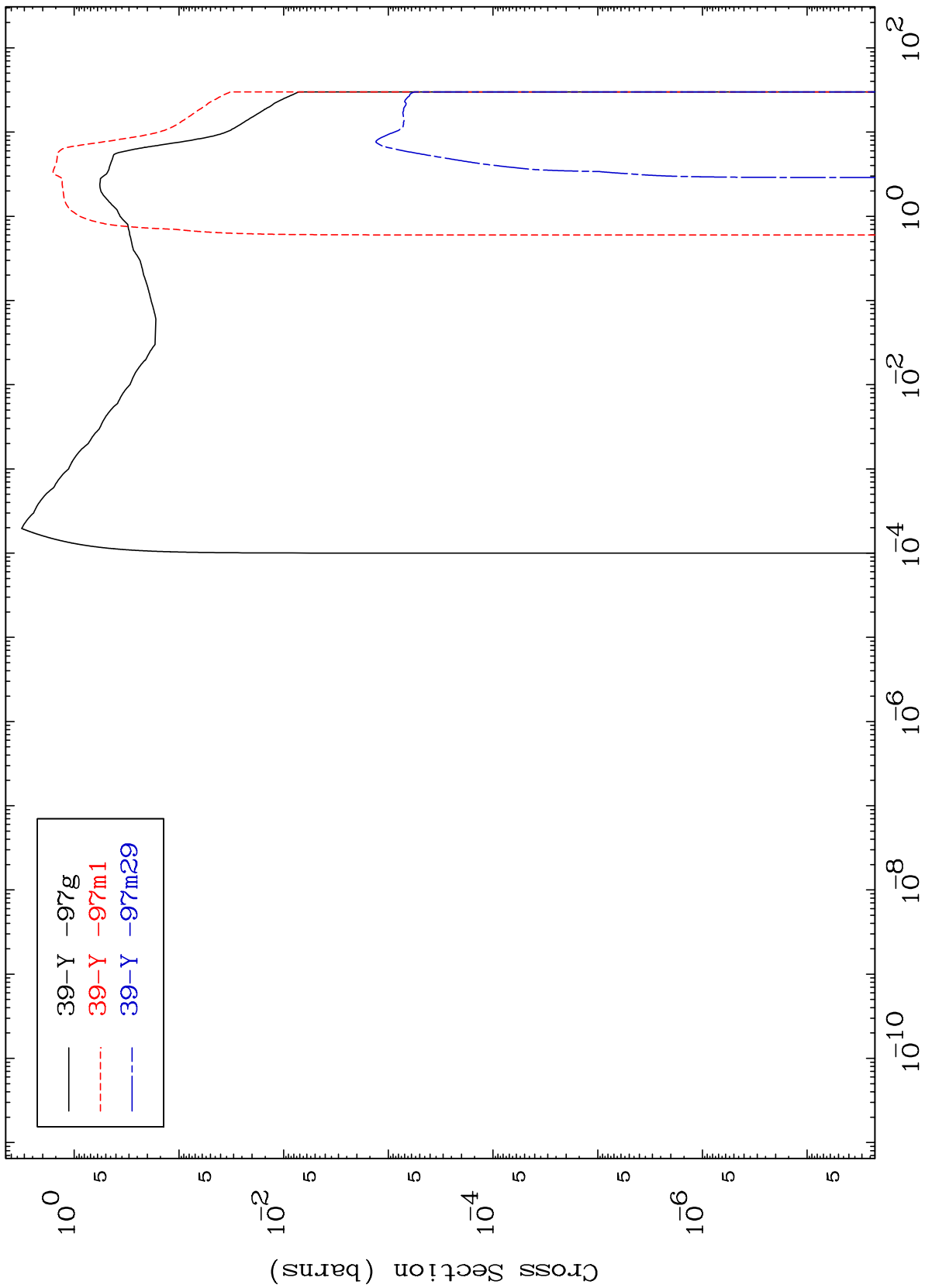
Incident Energy (MeV)

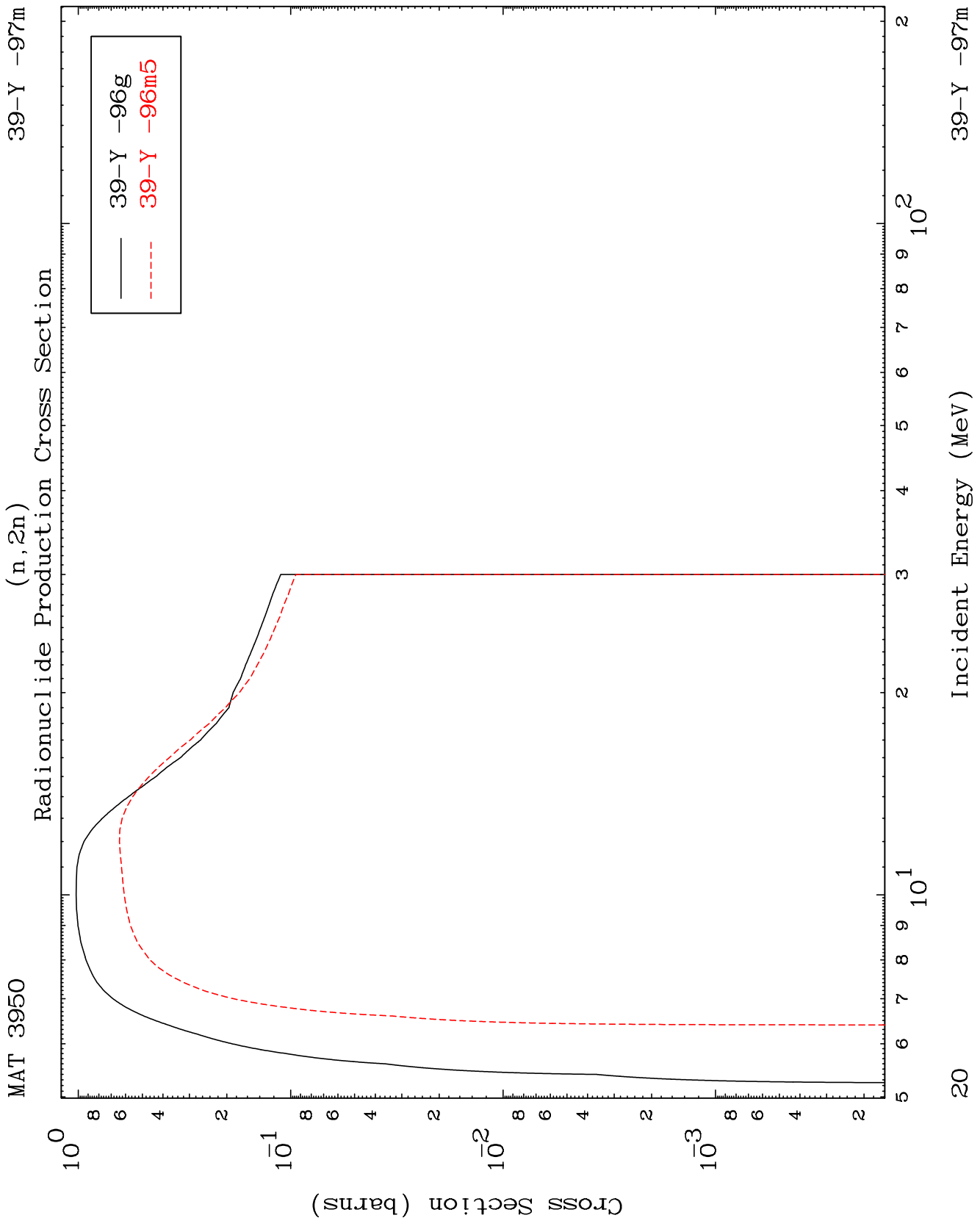
39-Y -97m

MAT 3950

39-Y -97m

Inelastic  
Radionuclide Production Cross Section





MAT 3950

39-Y -97m

Radionuclide Production Cross Section

(n,γ)

