

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

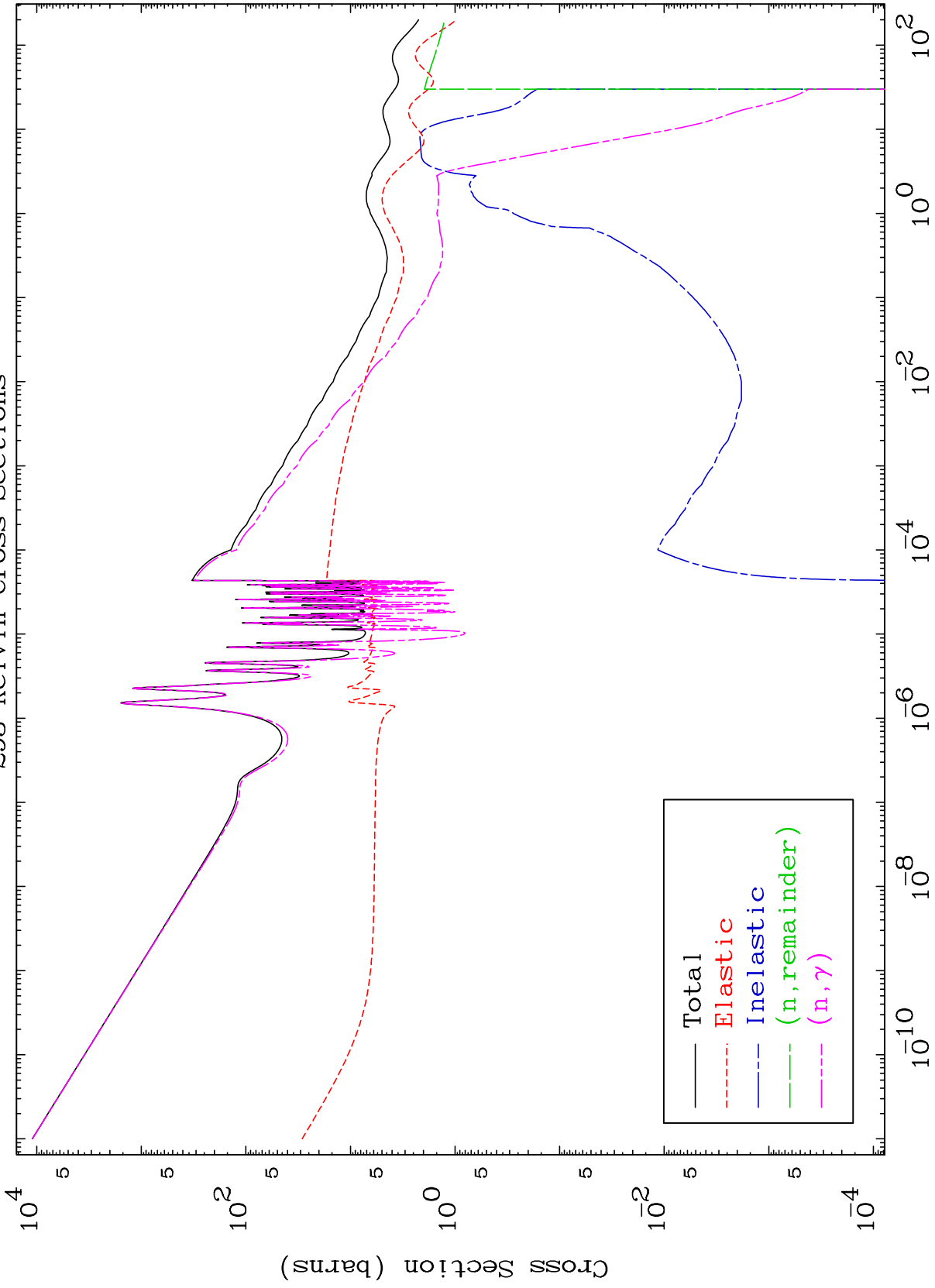
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 6017

Major  
293 Kelvin Cross Sections

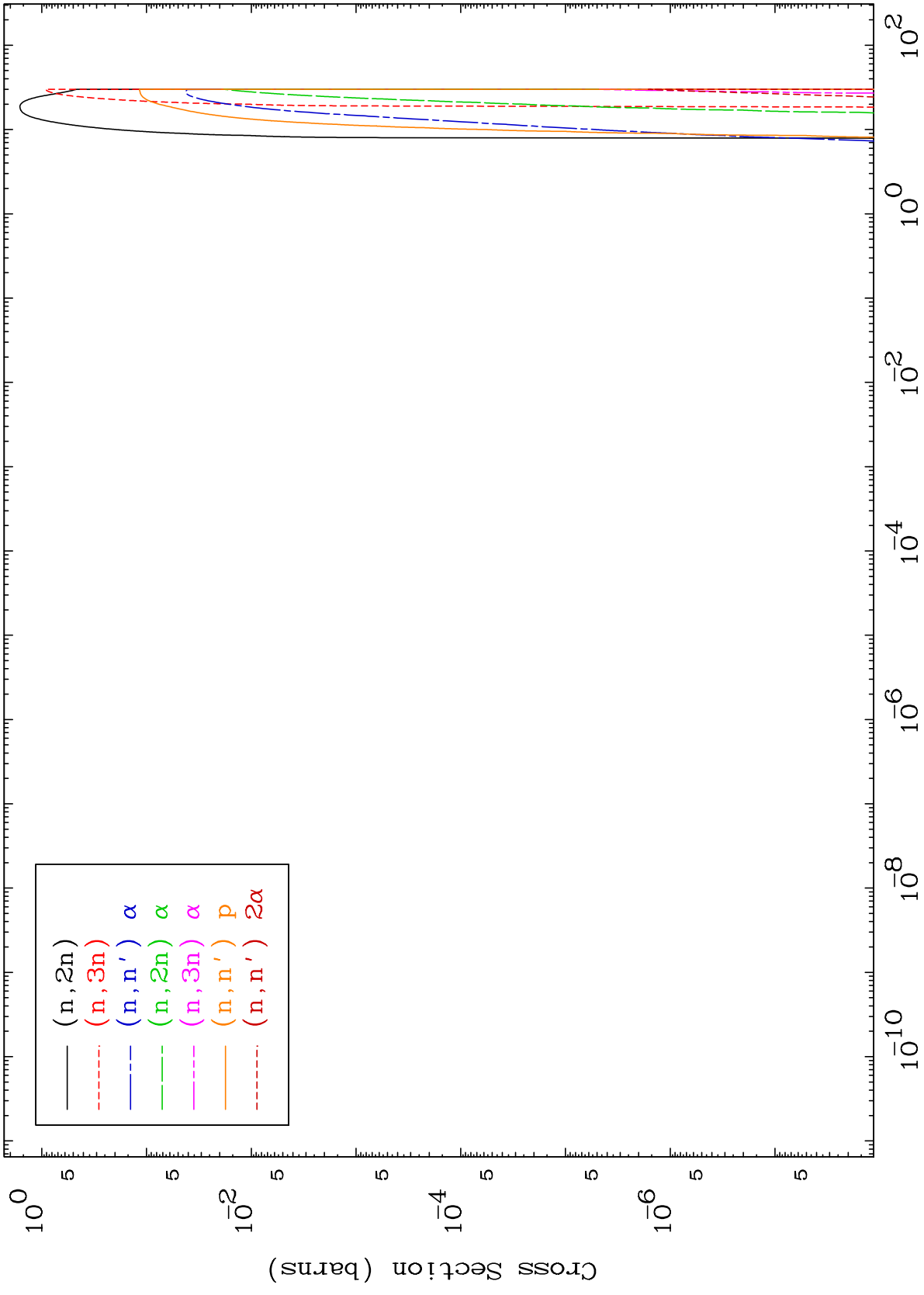
60-Nd-139



MAT 6017

Neutron Production  
293 Kelvin Cross Sections

60-Nd-139

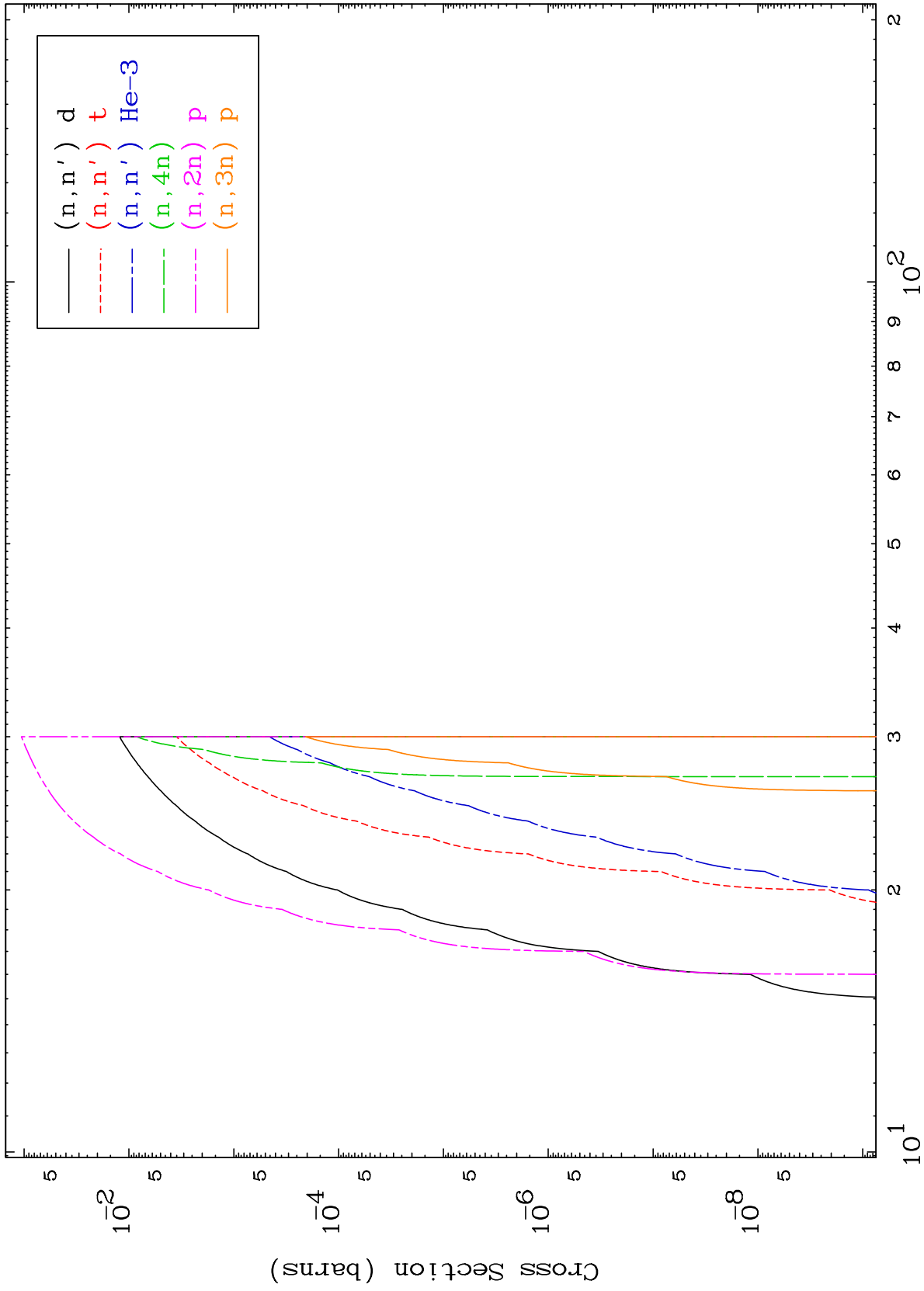


60-Nd-139

MAT 6017

### Neutron Production 293 Kelvin Cross Sections

60-Nd-139



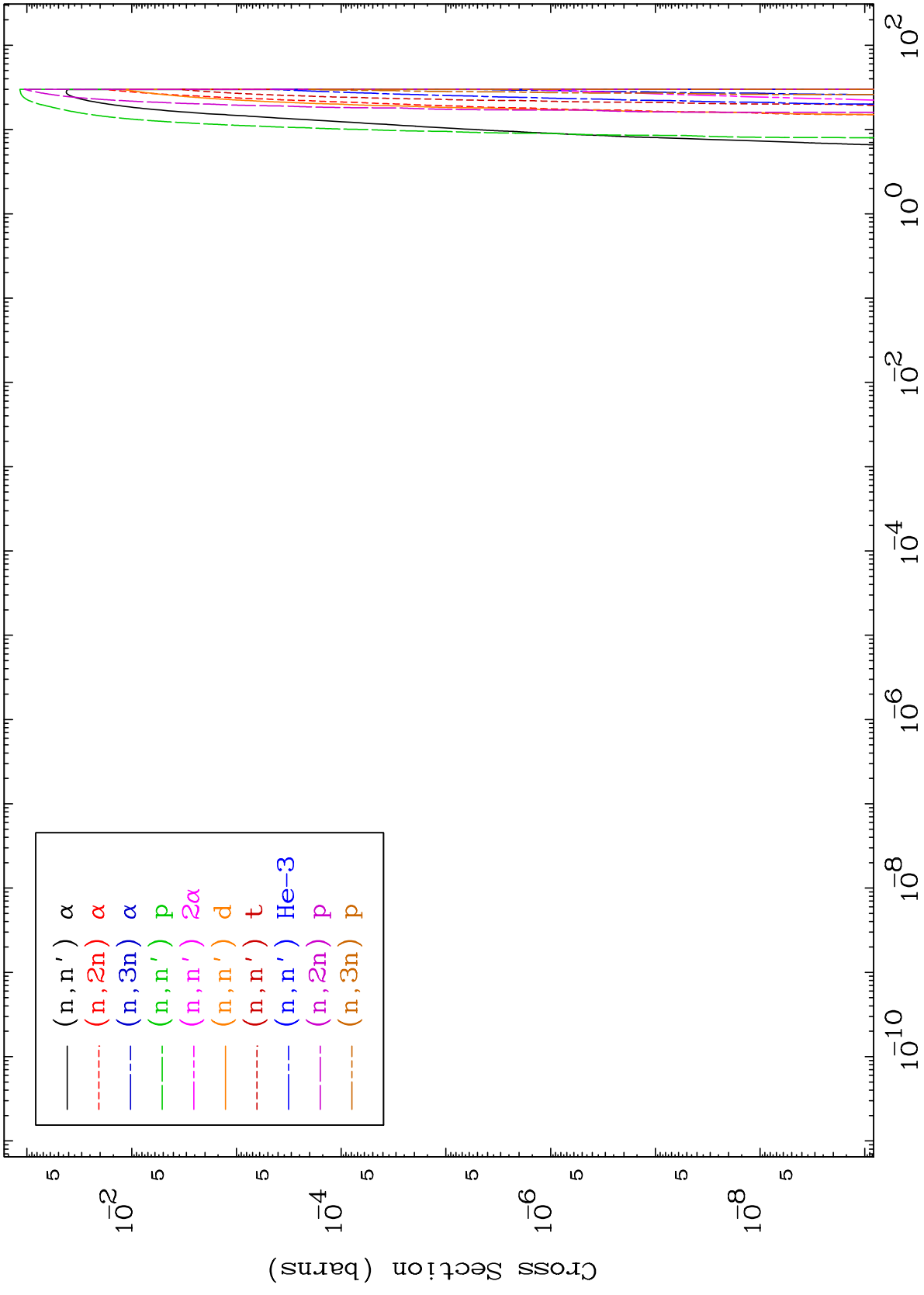
Incident Energy (MeV)

60-Nd-139

MAT 6017

Charged Particle  
293 Kelvin Cross Sections

60-Nd-139

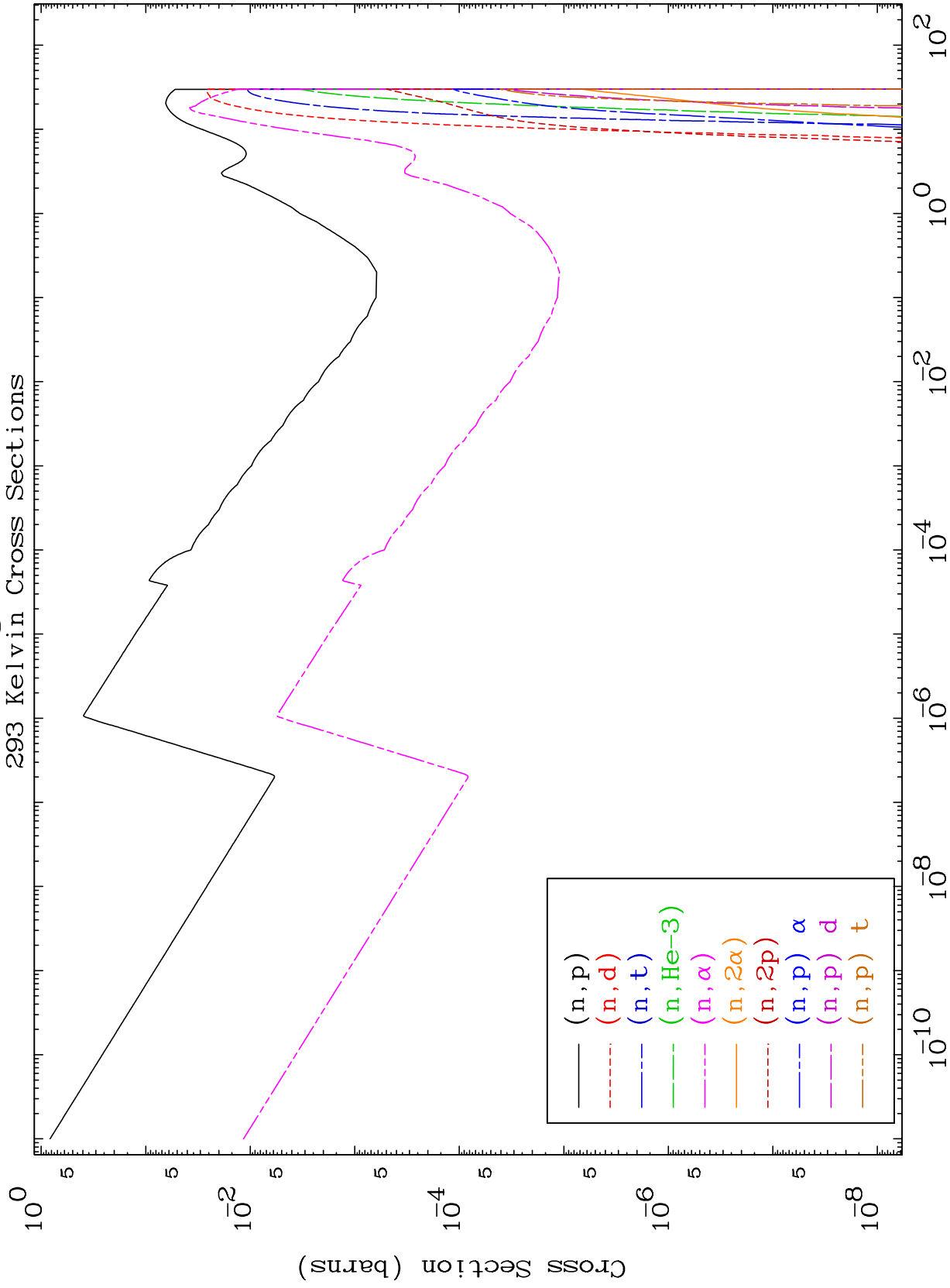


60-Nd-139

MAT 6017

293 Kelvin Cross Sections

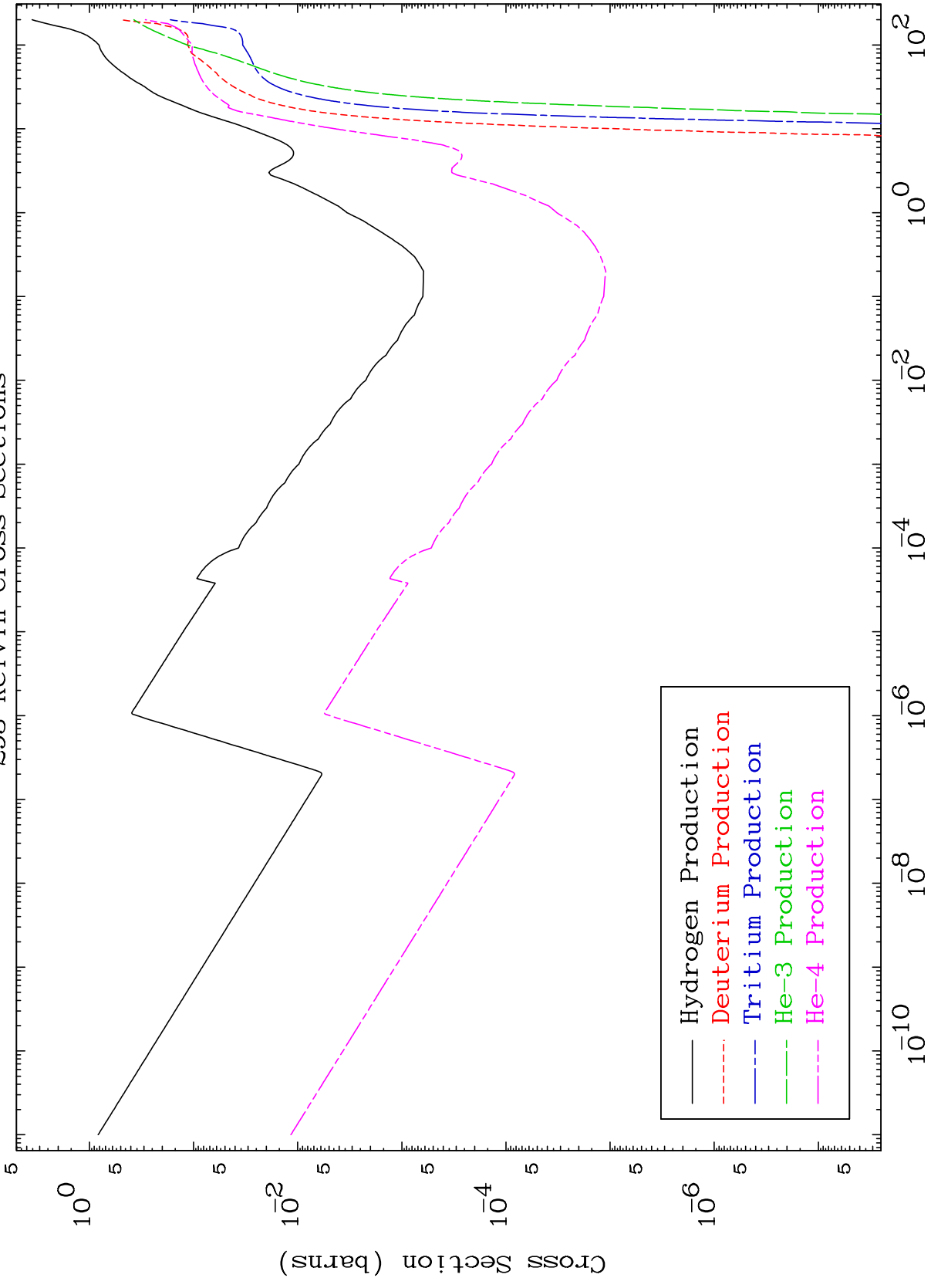
60-Nd-139



MAT 6017

Particle Production  
293 Kelvin Cross Sections

60-Nd-139

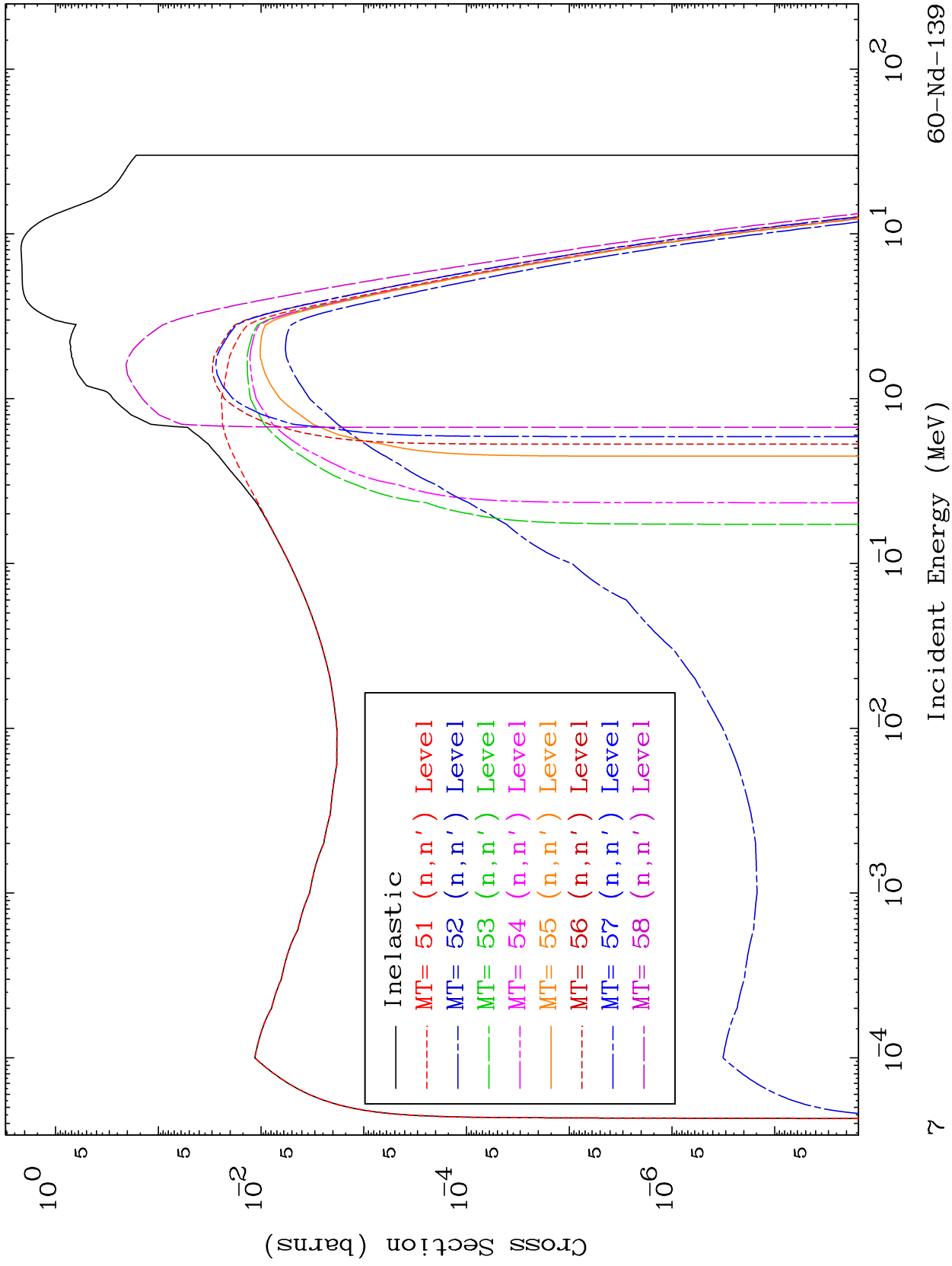


60-Nd-139

MAT 6017

(n,n') Level  
293 Kelvin Cross Sections

60-Nd-139



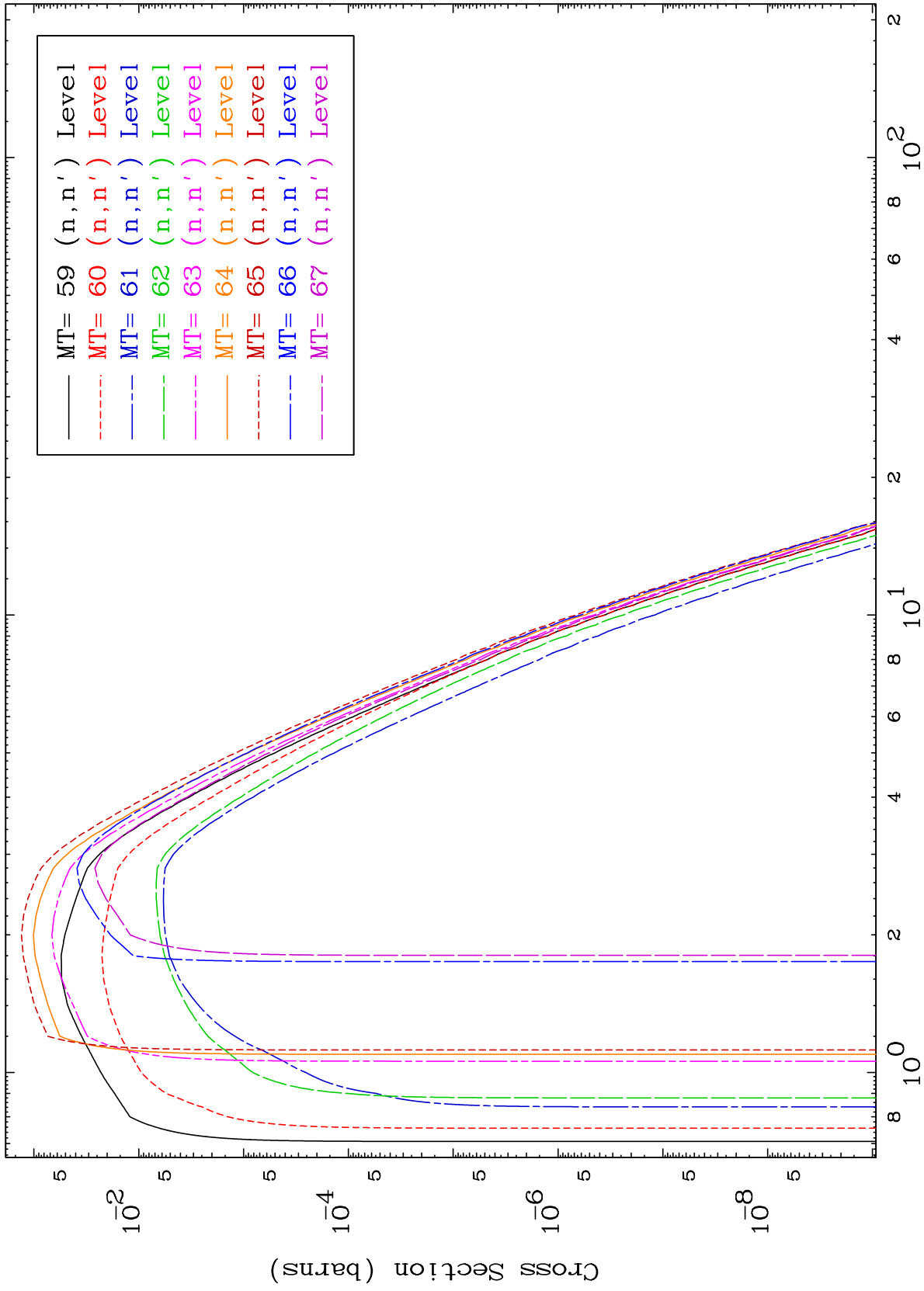


MAT 6017

(n,n') Level

60-Nd-139

293 Kelvin Cross Sections



8

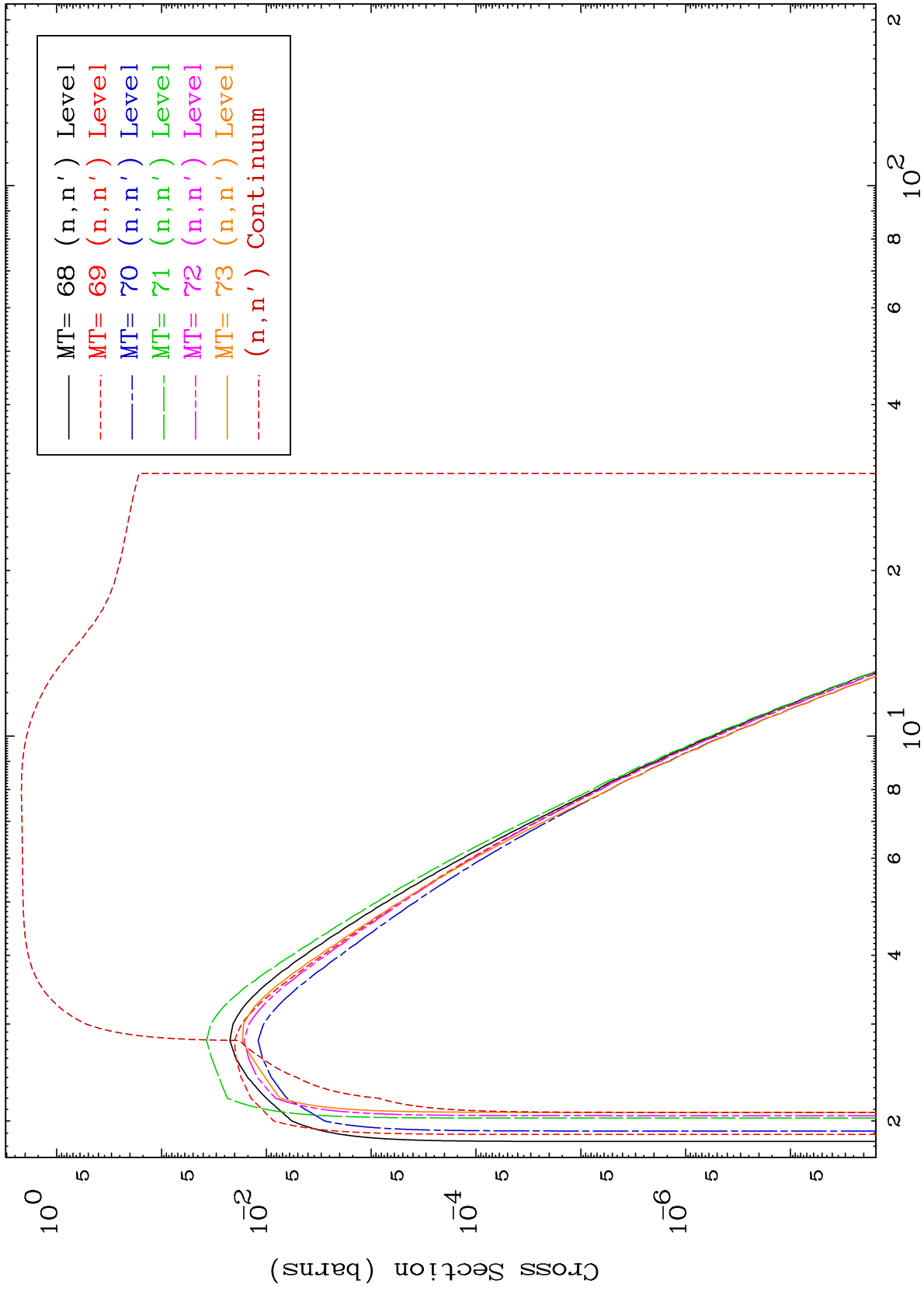
Incident Energy (MeV)

60-Nd-139

MAT 6017

(n,n') Level  
293 Kelvin Cross Sections

60-Nd-139

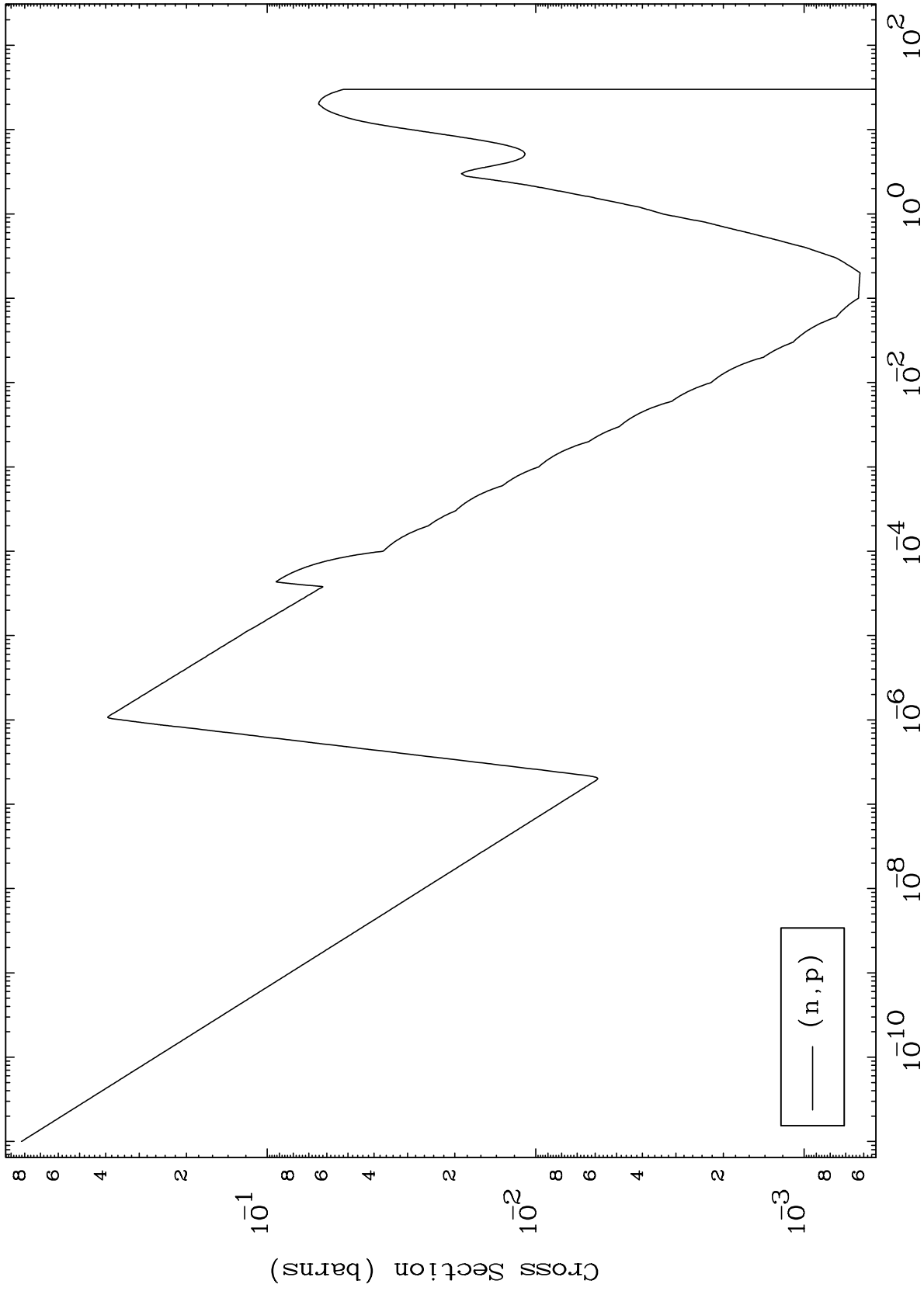


9

MAT 6017

(n,p) Levels  
293 Kelvin Cross Sections

60-Nd-139



10

Incident Energy (MeV)

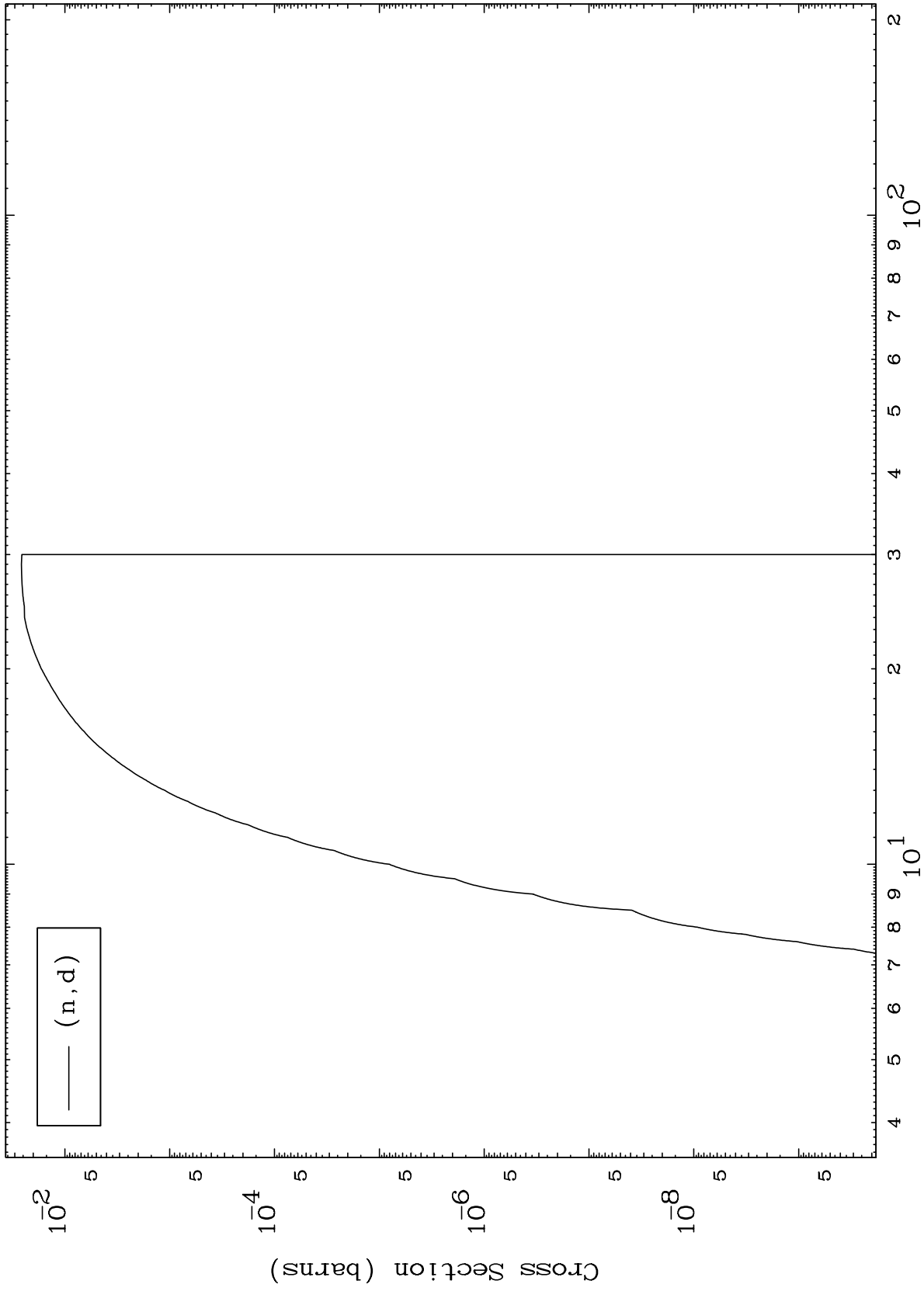
60-Nd-139

— (n, p)

MAT 6017

(n,d) Levels  
293 Kelvin Cross Sections

60-Nd-139



11

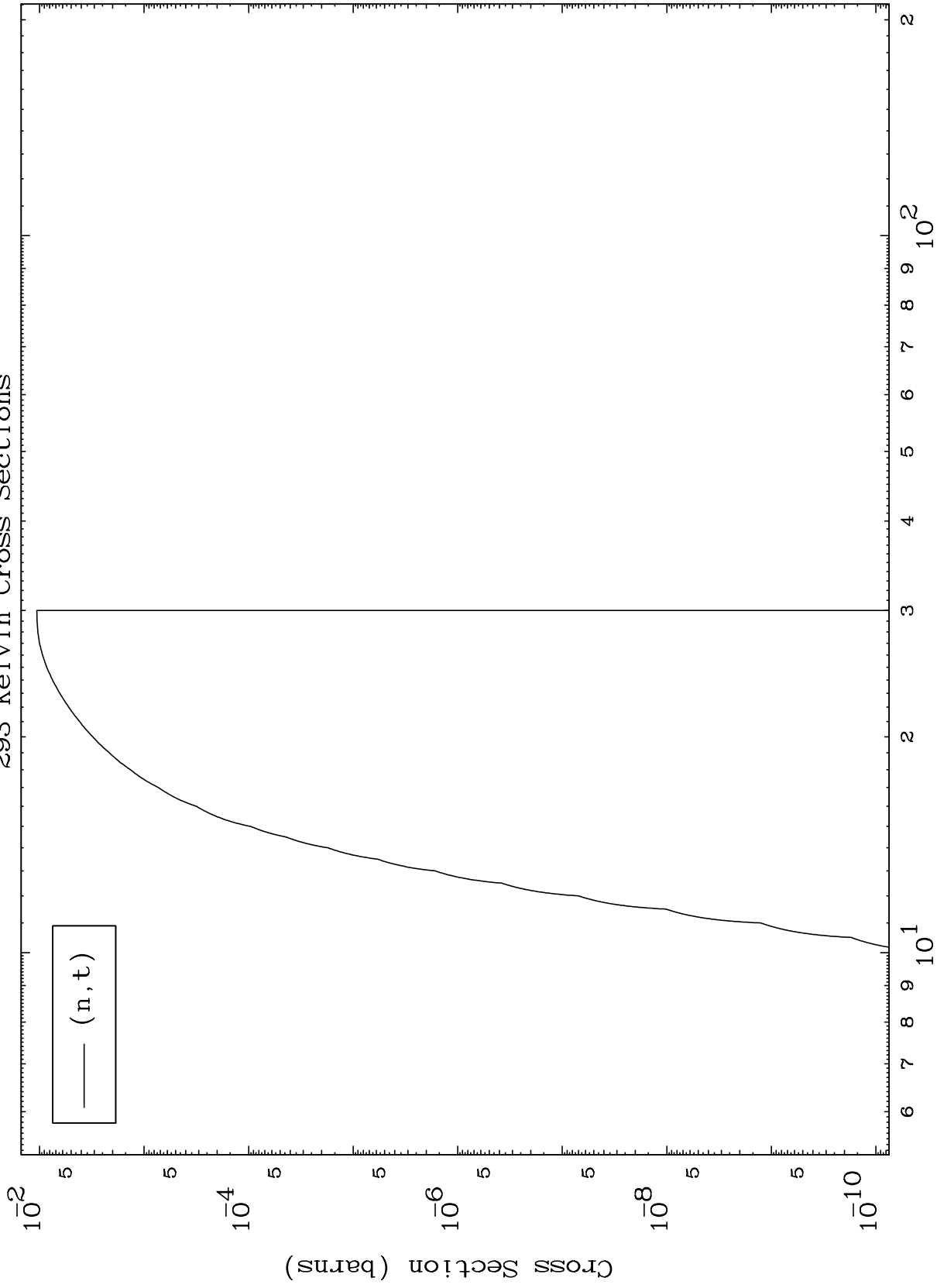
Incident Energy (MeV)

60-Nd-139

MAT 6017

(n,t) Levels  
293 Kelvin Cross Sections

60-Nd-139



12

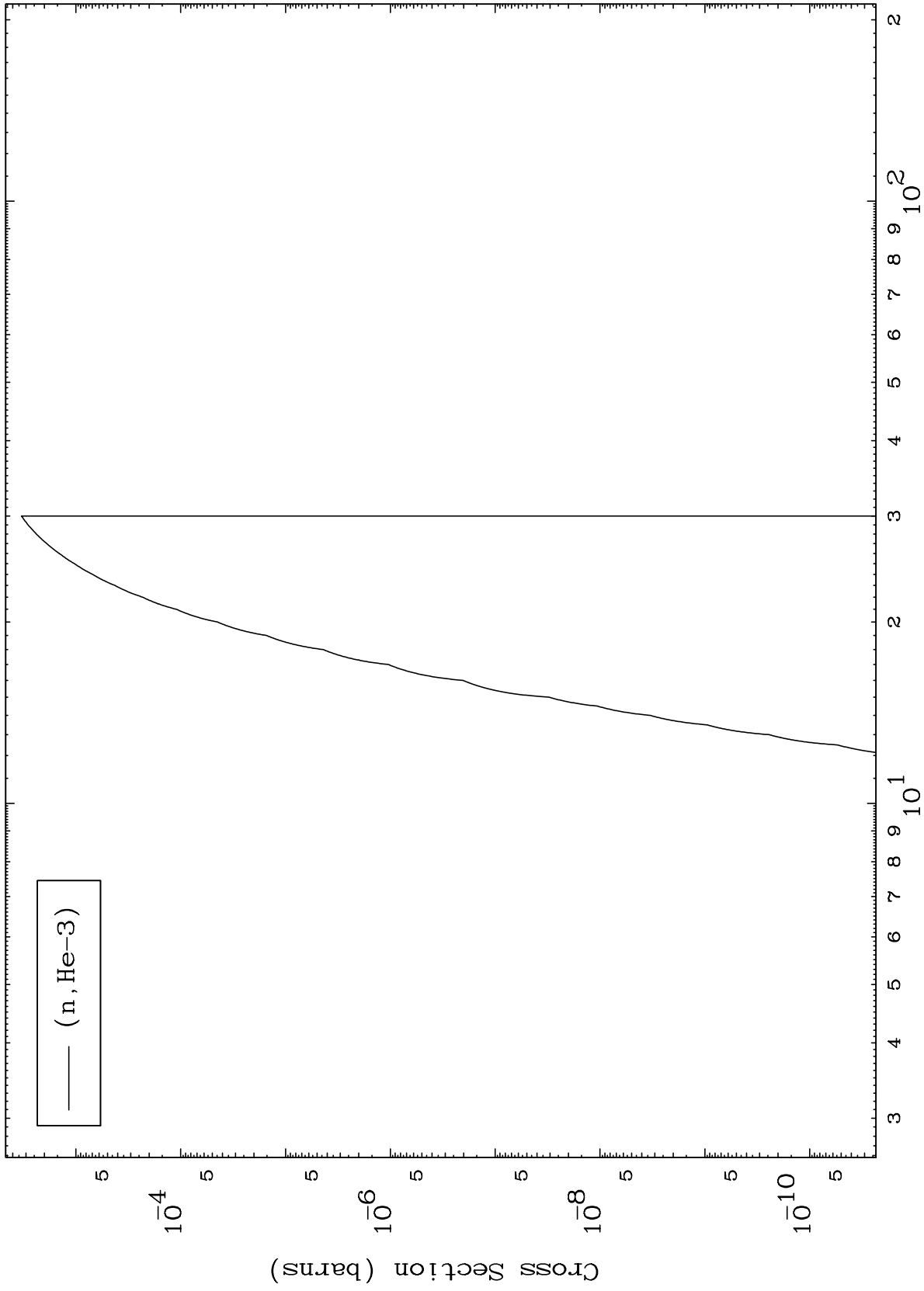
Incident Energy (MeV)

60-Nd-139

MAT 6017

(n,He3) Levels  
293 Kelvin Cross Sections

60-Nd-139



13

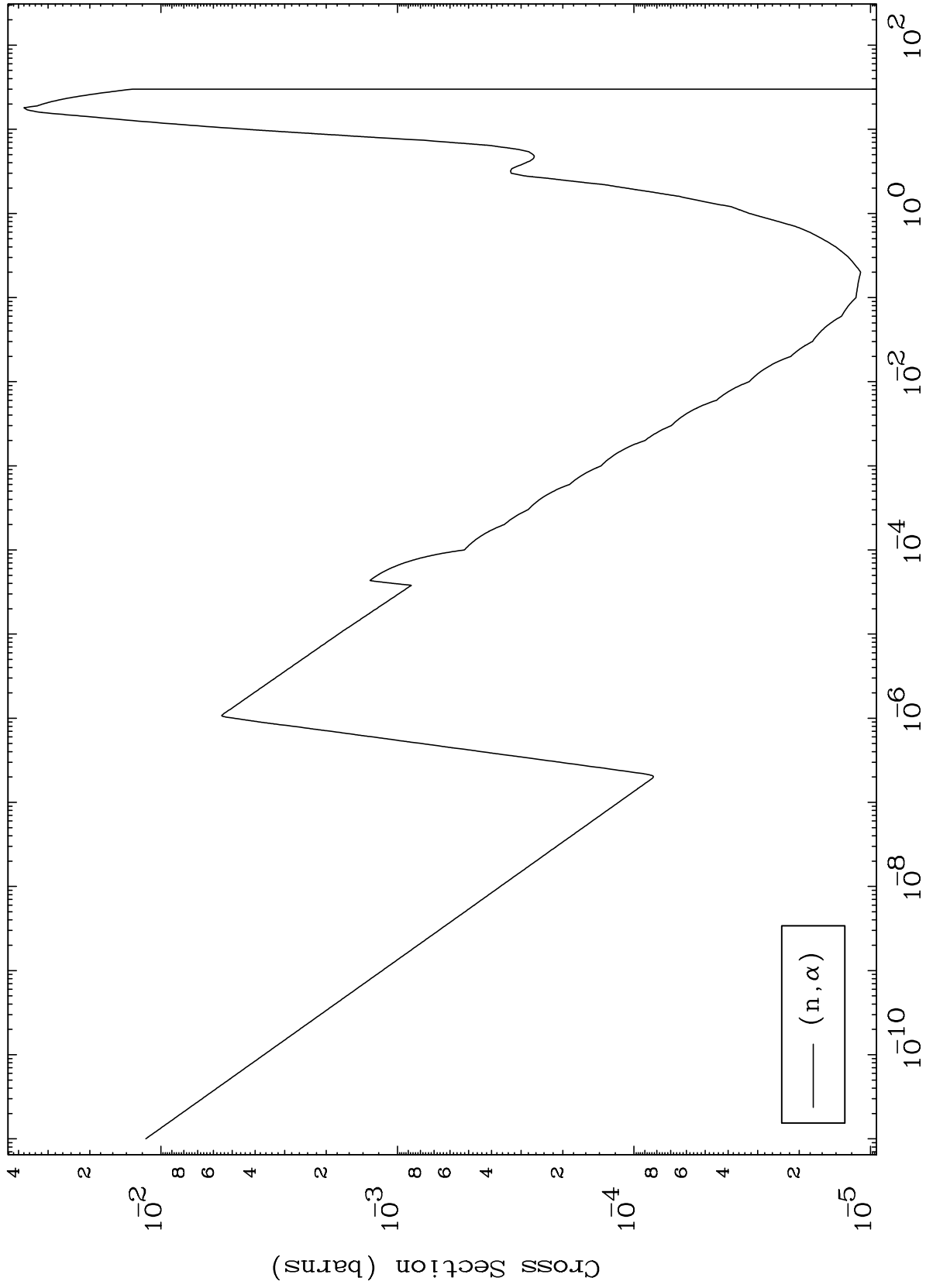
Incident Energy (MeV)

60-Nd-139

MAT 6017

(n,α) Levels  
293 Kelvin Cross Sections

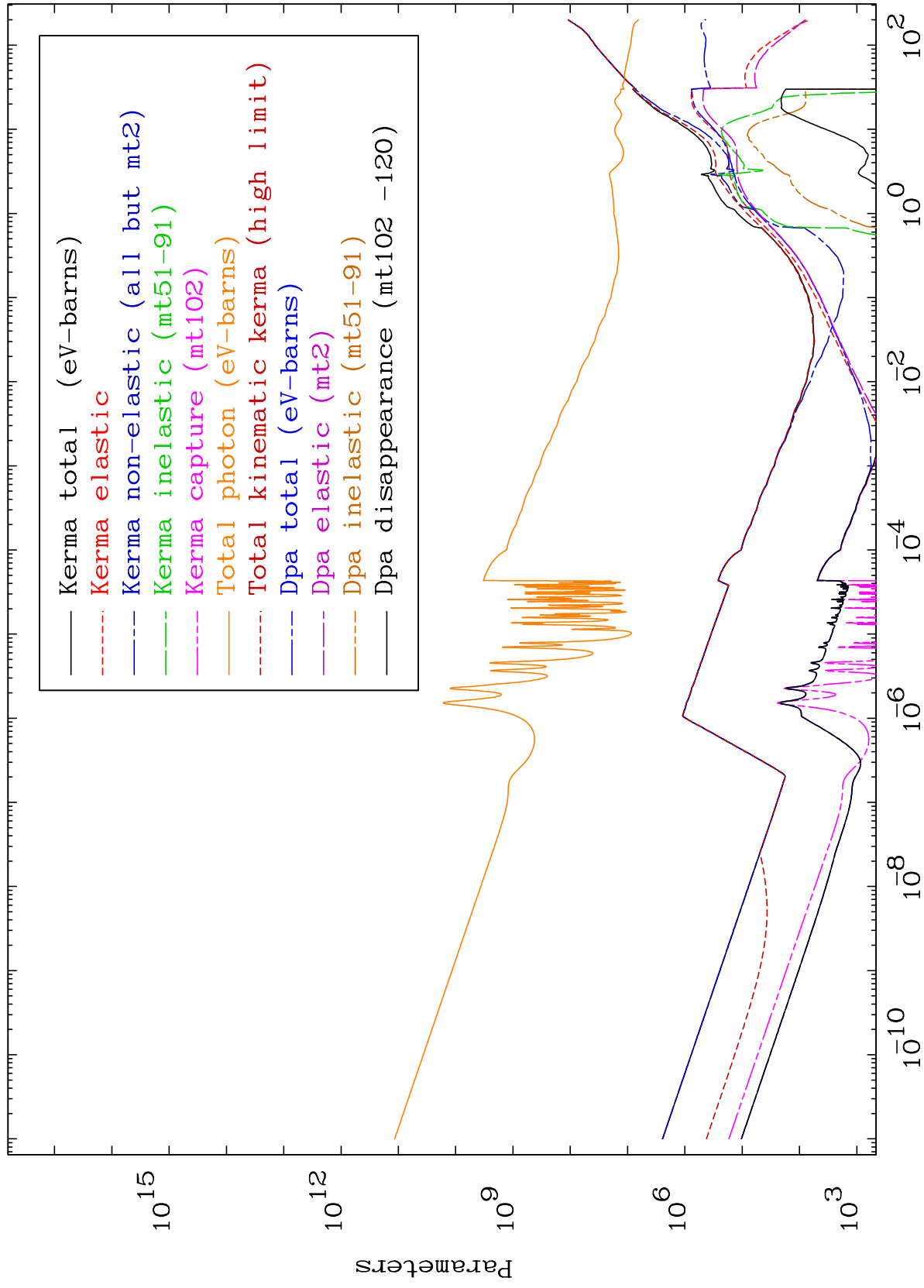
60-Nd-139



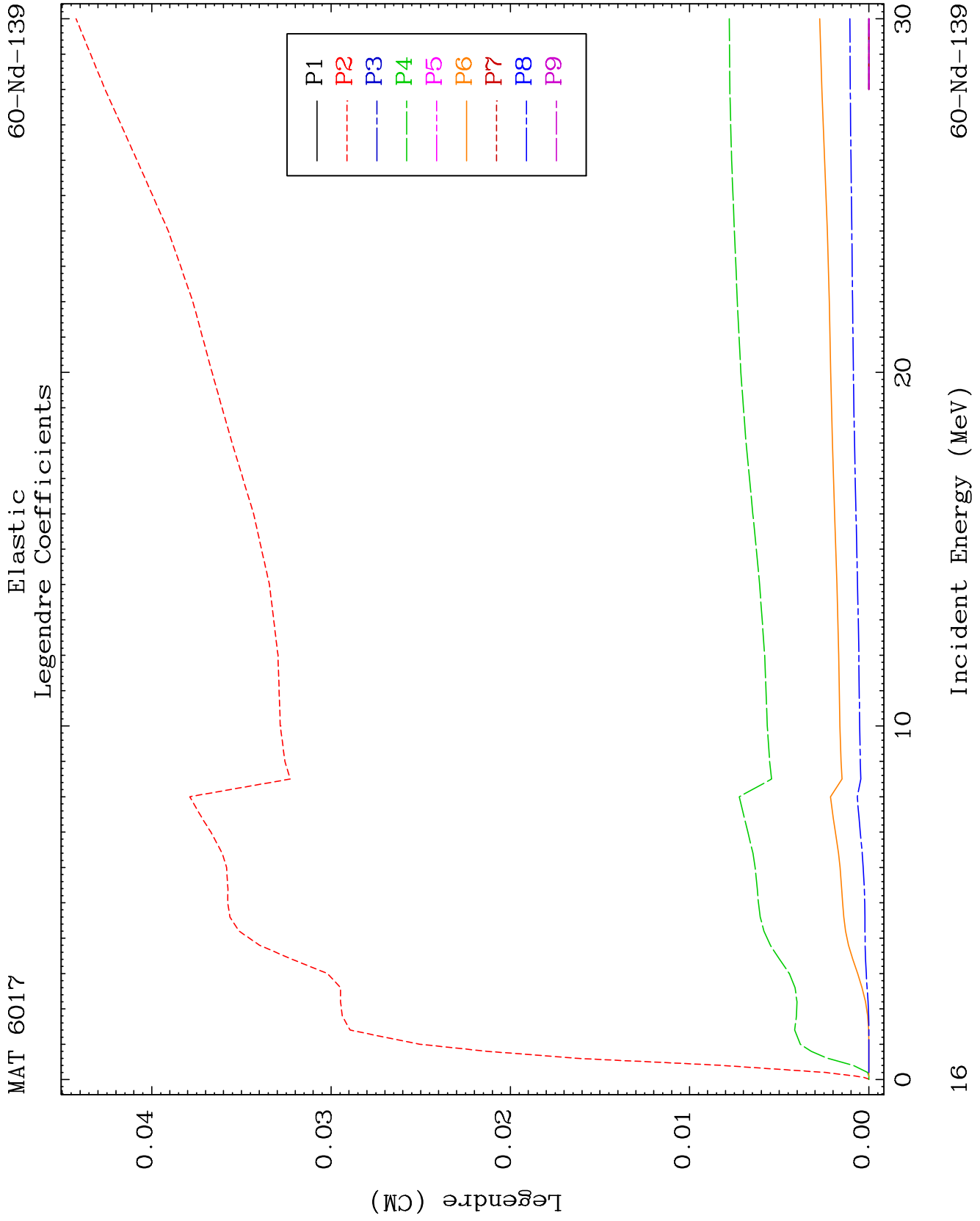
14

Incident Energy (MeV)

60-Nd-139



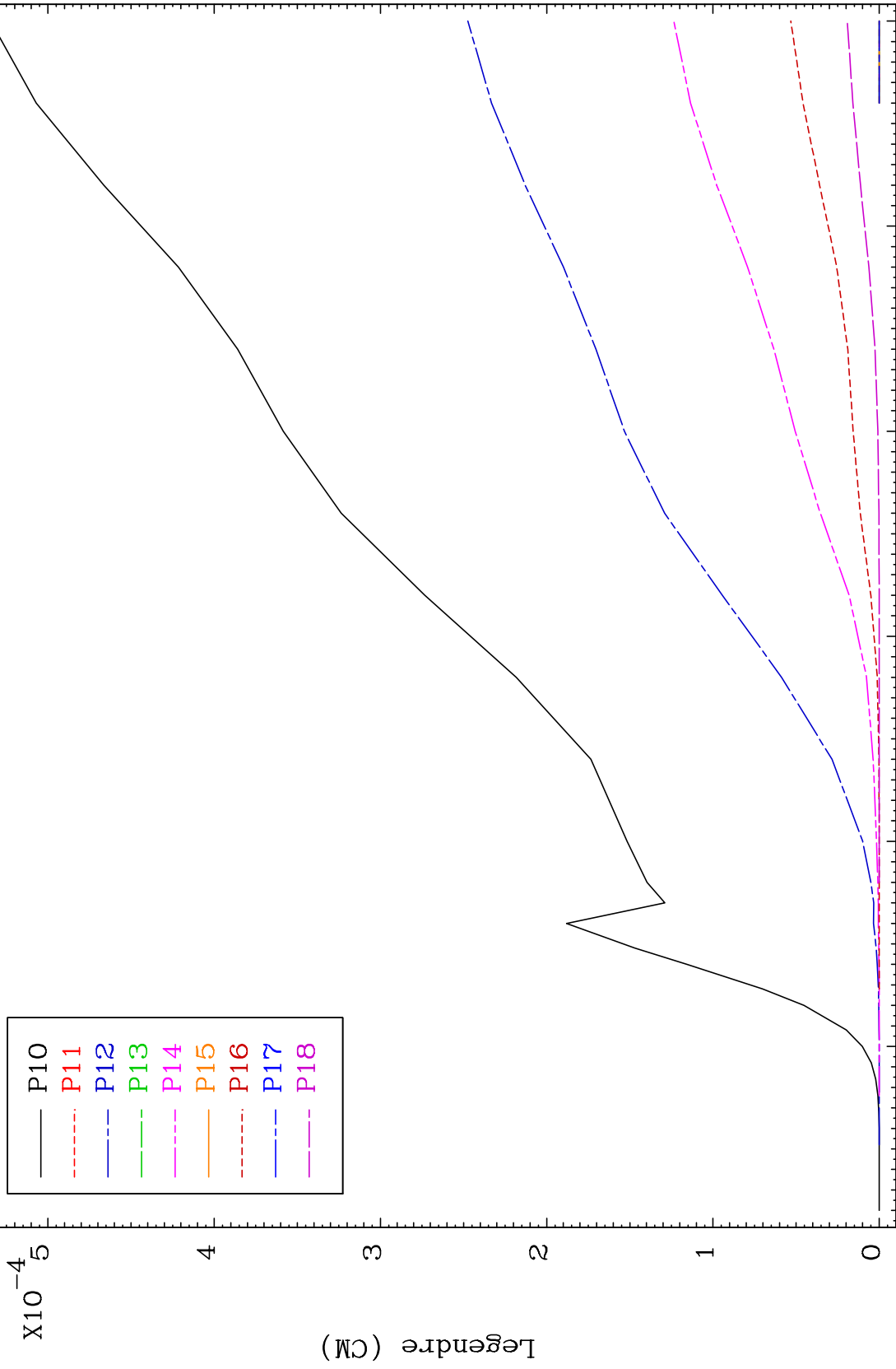
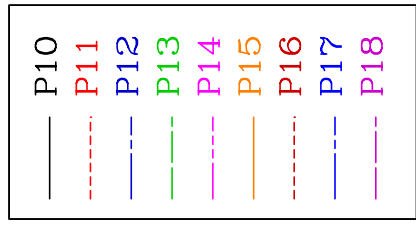




MAT 6017

Elastic Legendre Coefficients

60-Nd-139



17

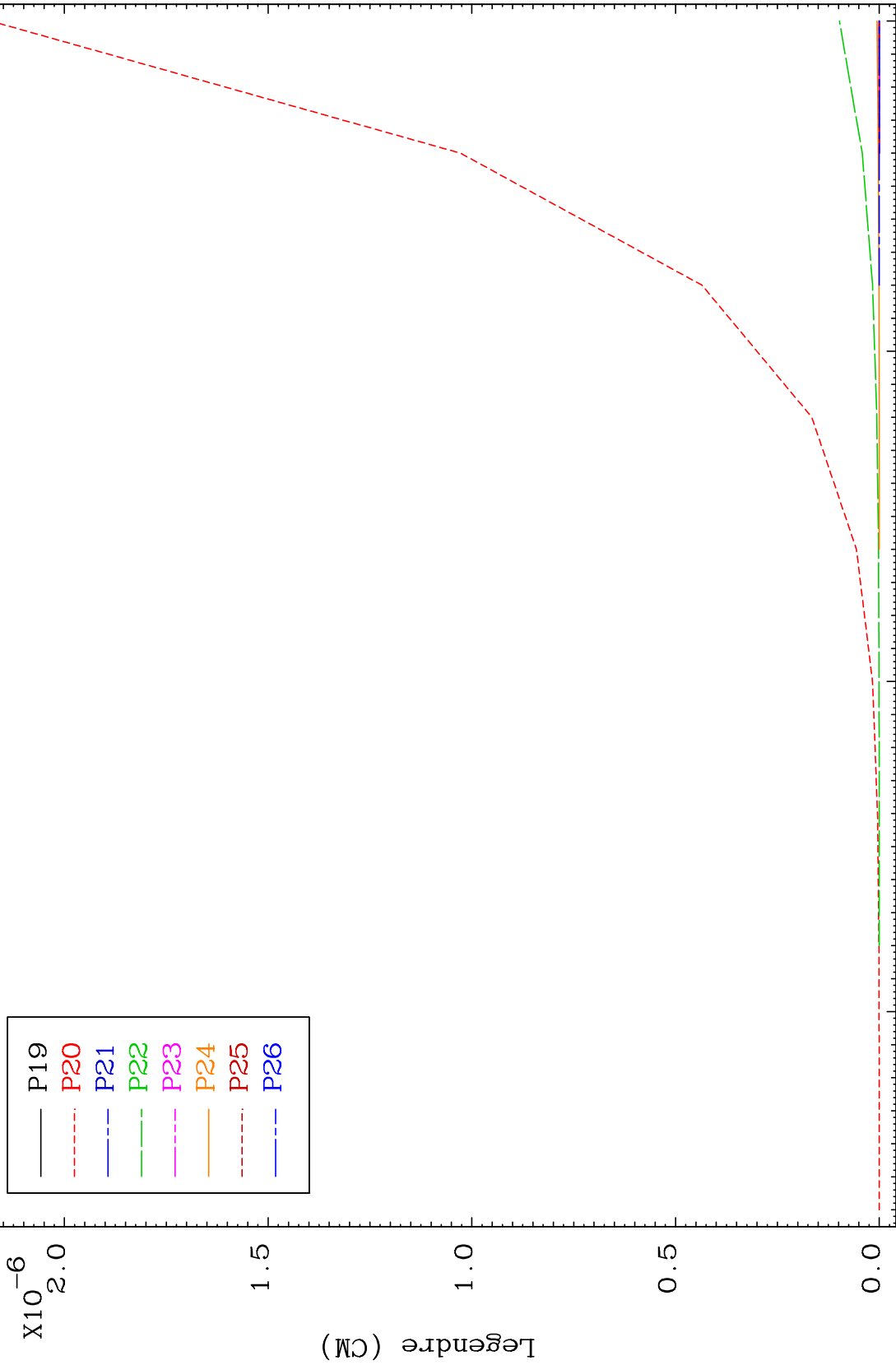
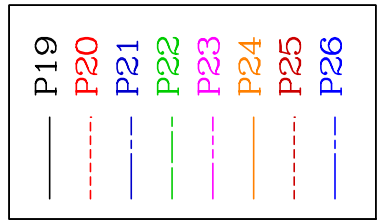
Incident Energy (MeV)

60-Nd-139

MAT 6017

Elastic  
Legendre Coefficients

60-Nd-139



18

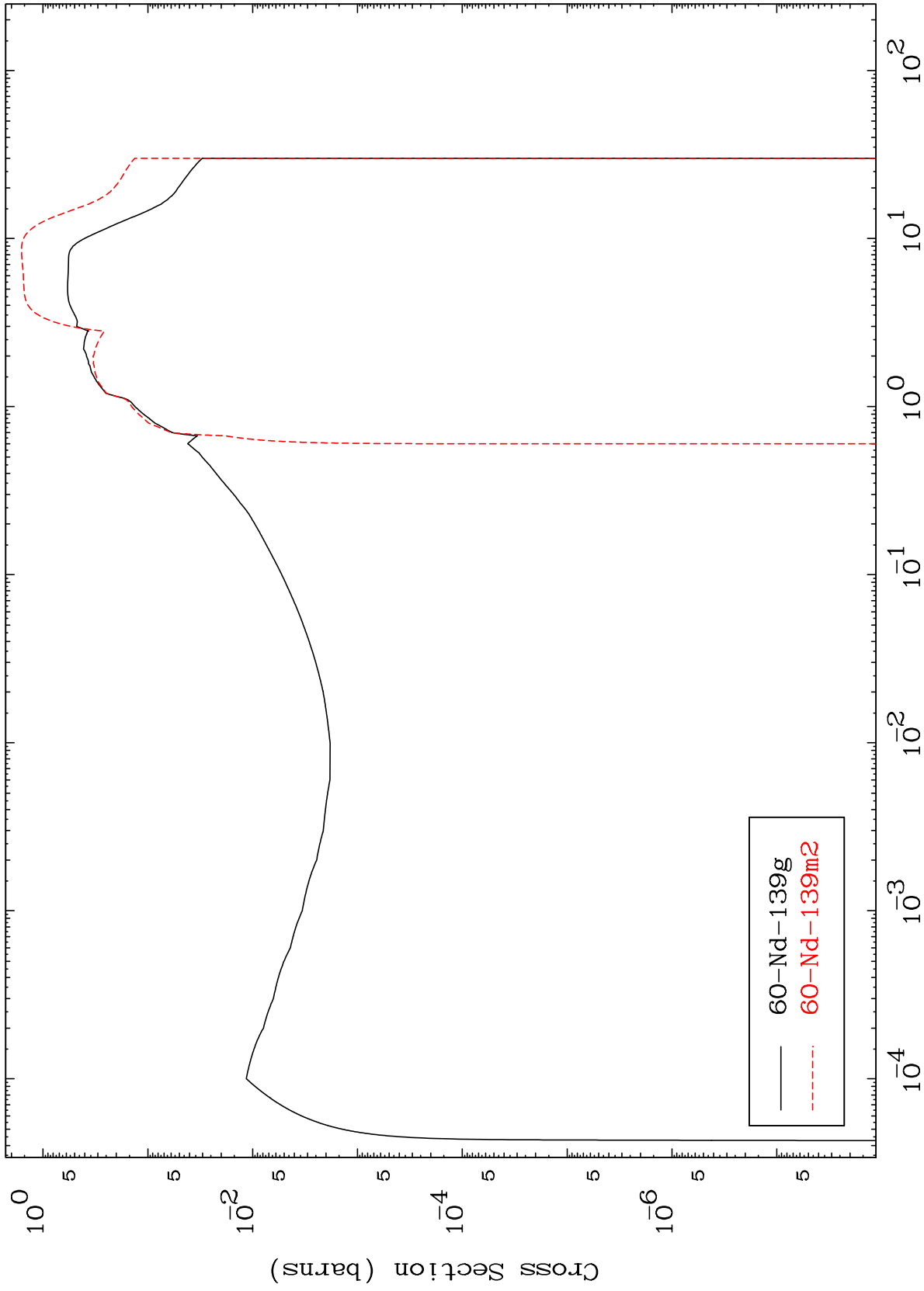
Incident Energy (MeV)

60-Nd-139

MAT 6017

60-Nd-139

Inelastic  
Radionuclide Production Cross Section



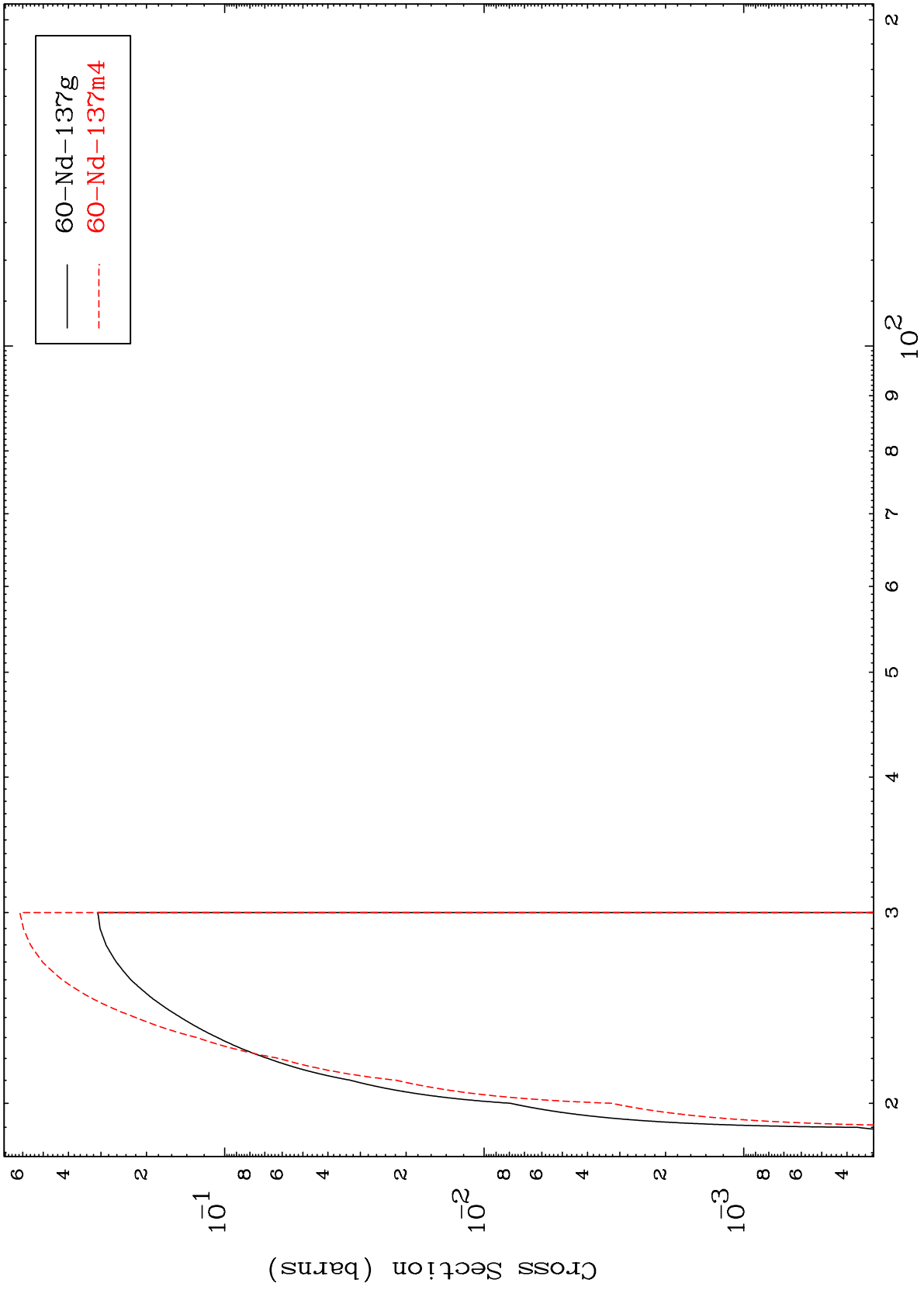
19

60-Nd-139

MAT 6017

60-Nd-139

(n,3n)  
Radionuclide Production Cross Section



20

Incident Energy (MeV)

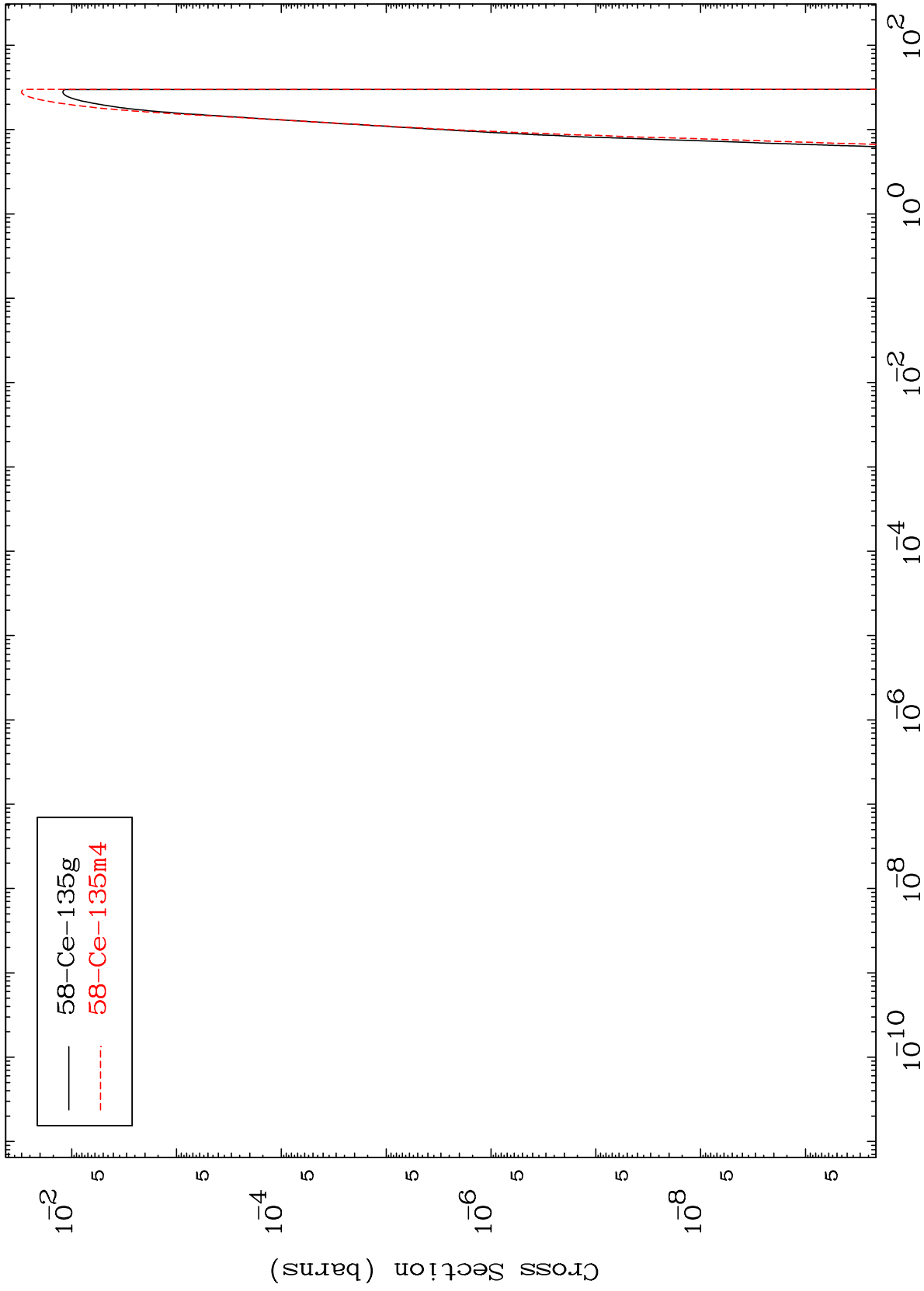
60-Nd-139

MAT 6017

(n,n')  $\alpha$

60-Nd-139

Radionuclide Production Cross Section

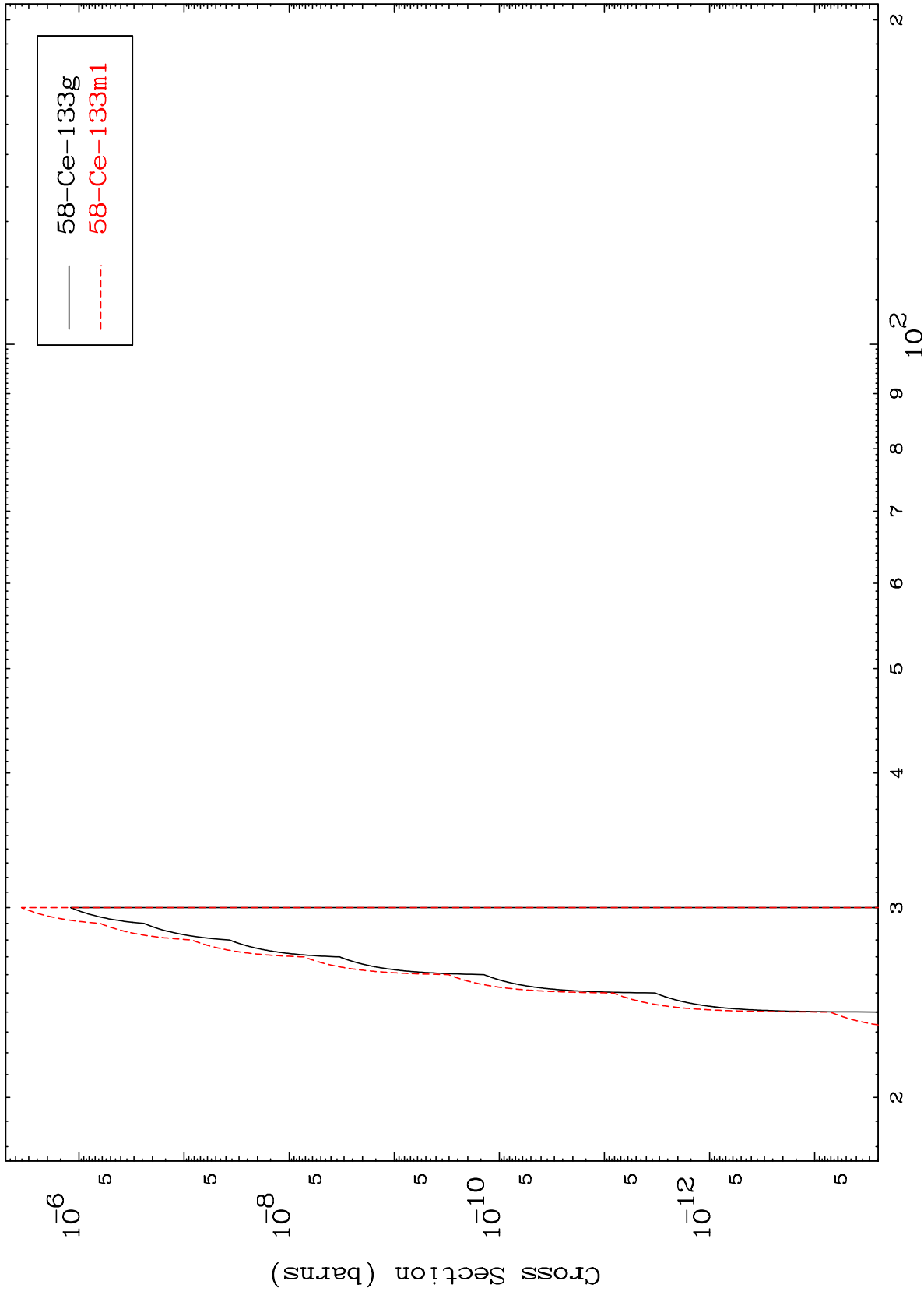


MAT 6017

(n,3n)  $\alpha$

60-Nd-139

Radionuclide Production Cross Section



22

Incident Energy (MeV)

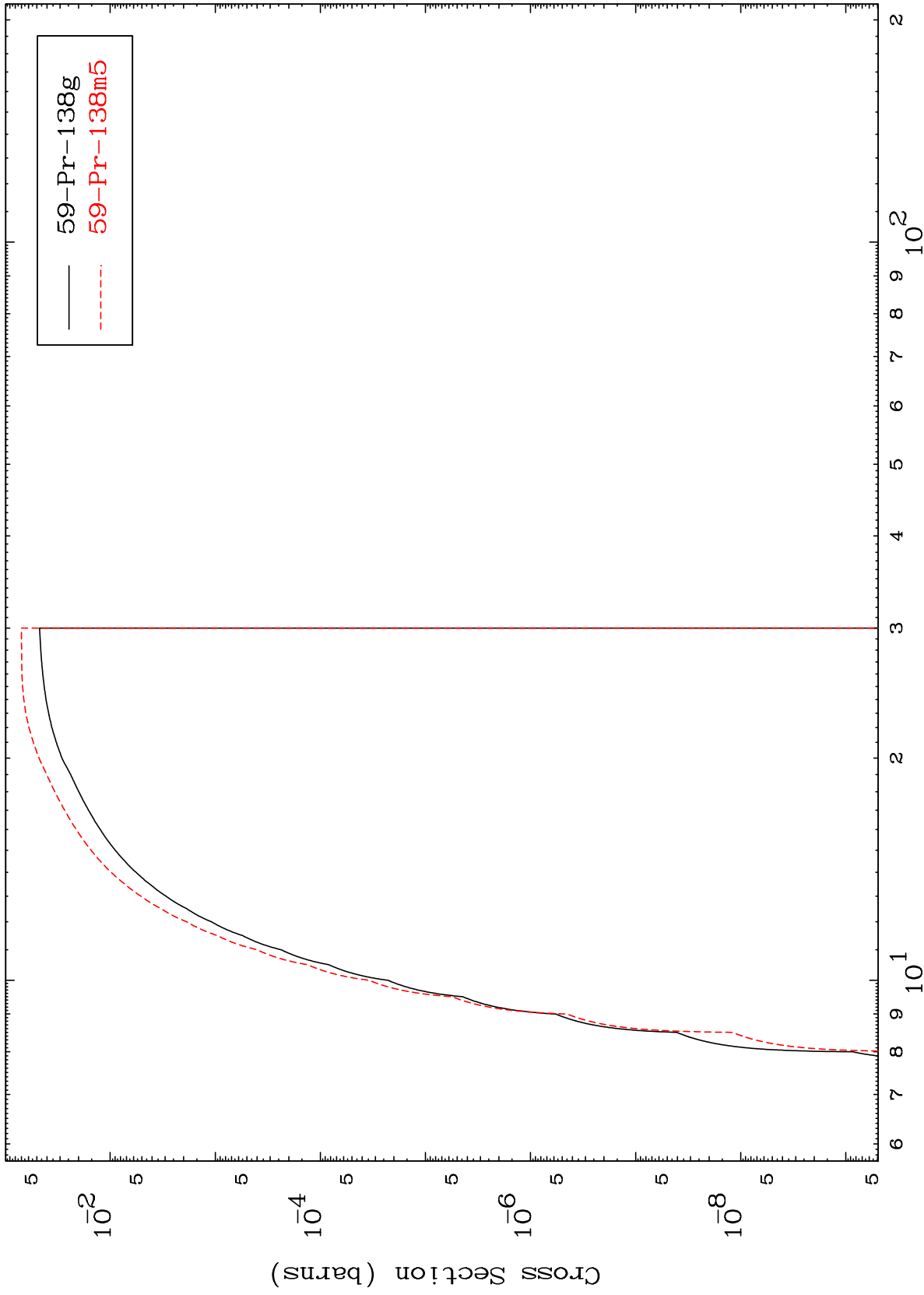
60-Nd-139

MAT 6017

(n,n') p

60-Nd-139

Radionuclide Production Cross Section



23

Incident Energy (MeV)

60-Nd-139

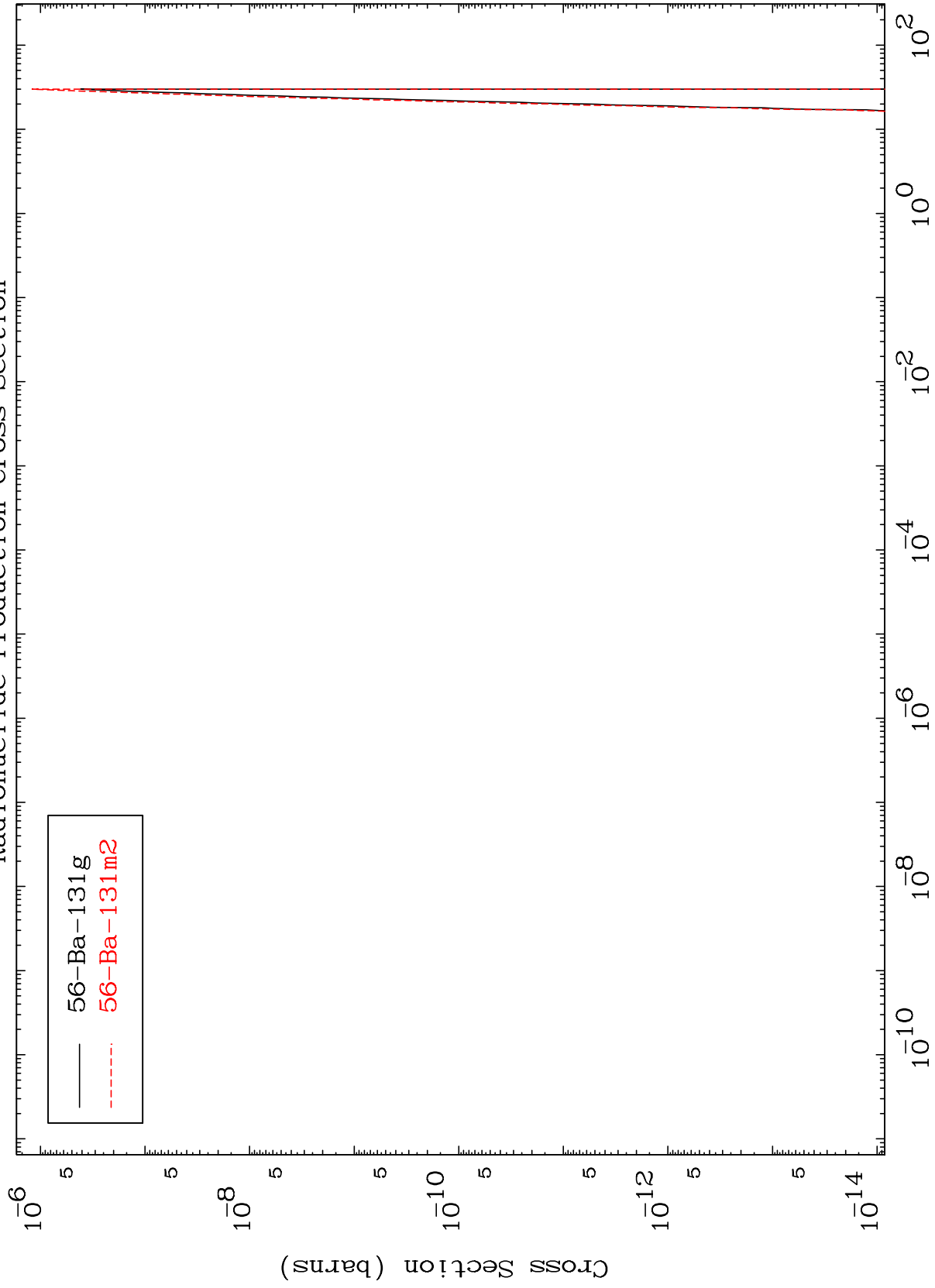


MAT 6017

(n,n') 2 $\alpha$

60-Nd-139

Radionuclide Production Cross Section



24

Incident Energy (MeV)

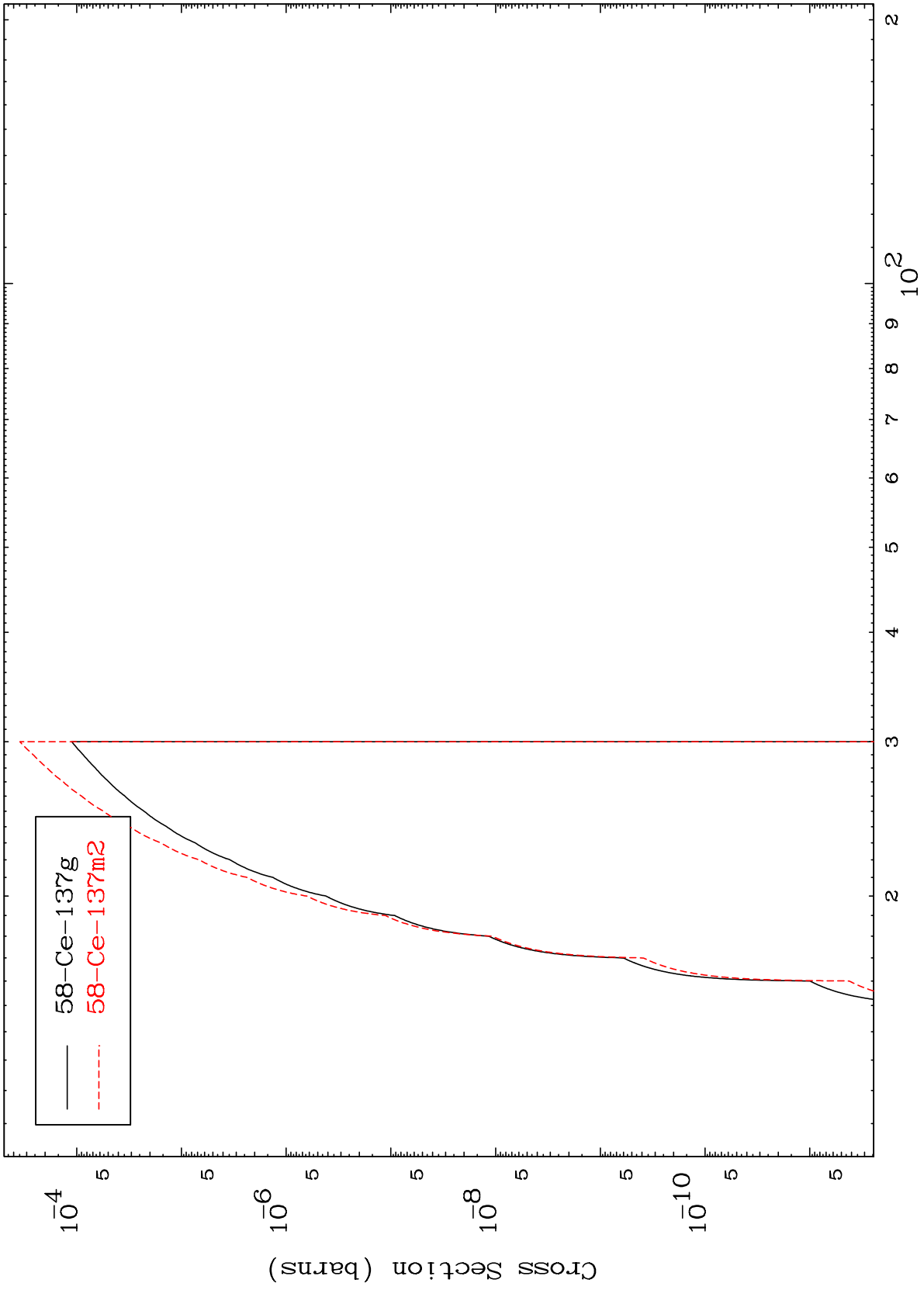
60-Nd-139

MAT 6017

(n,2n) p

60-Nd-139

Radionuclide Production Cross Section



25

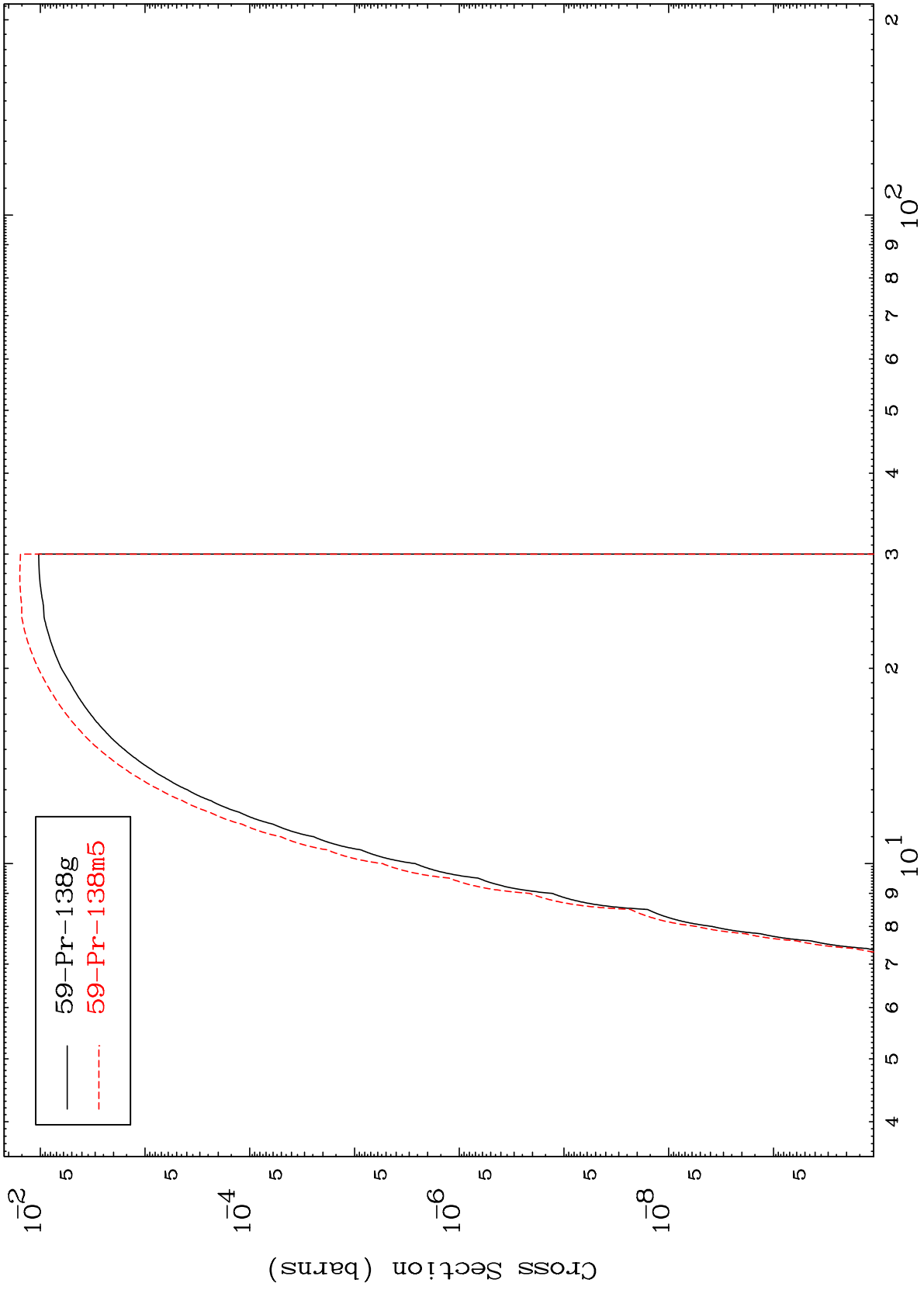
Incident Energy (MeV)

60-Nd-139

MAT 6017

60-Nd-139

(n,d)  
Radionuclide Production Cross Section



26

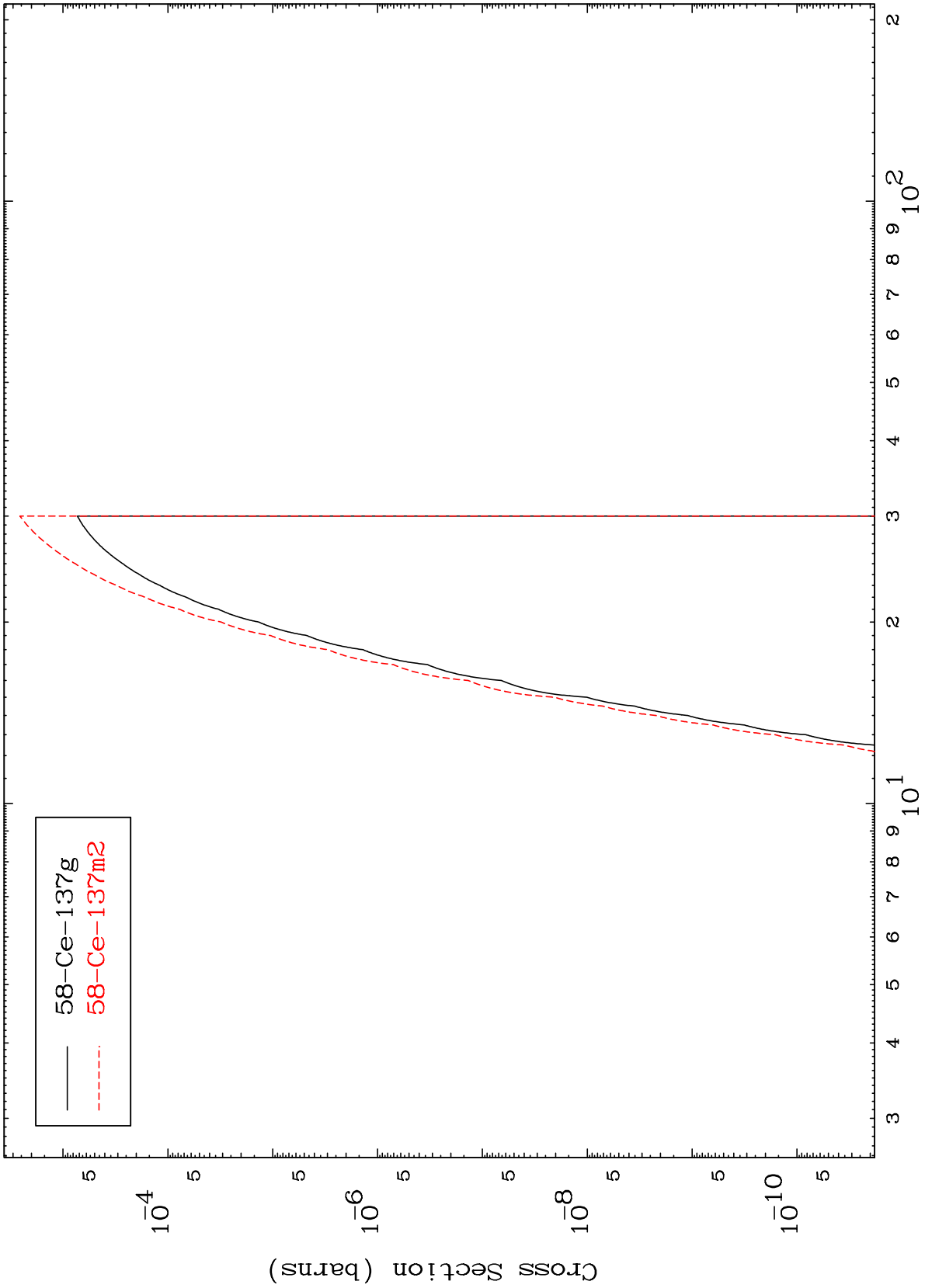
60-Nd-139

MAT 6017

(n, He-3)

60-Nd-139

Radionuclide Production Cross Section



27

Incident Energy (MeV)

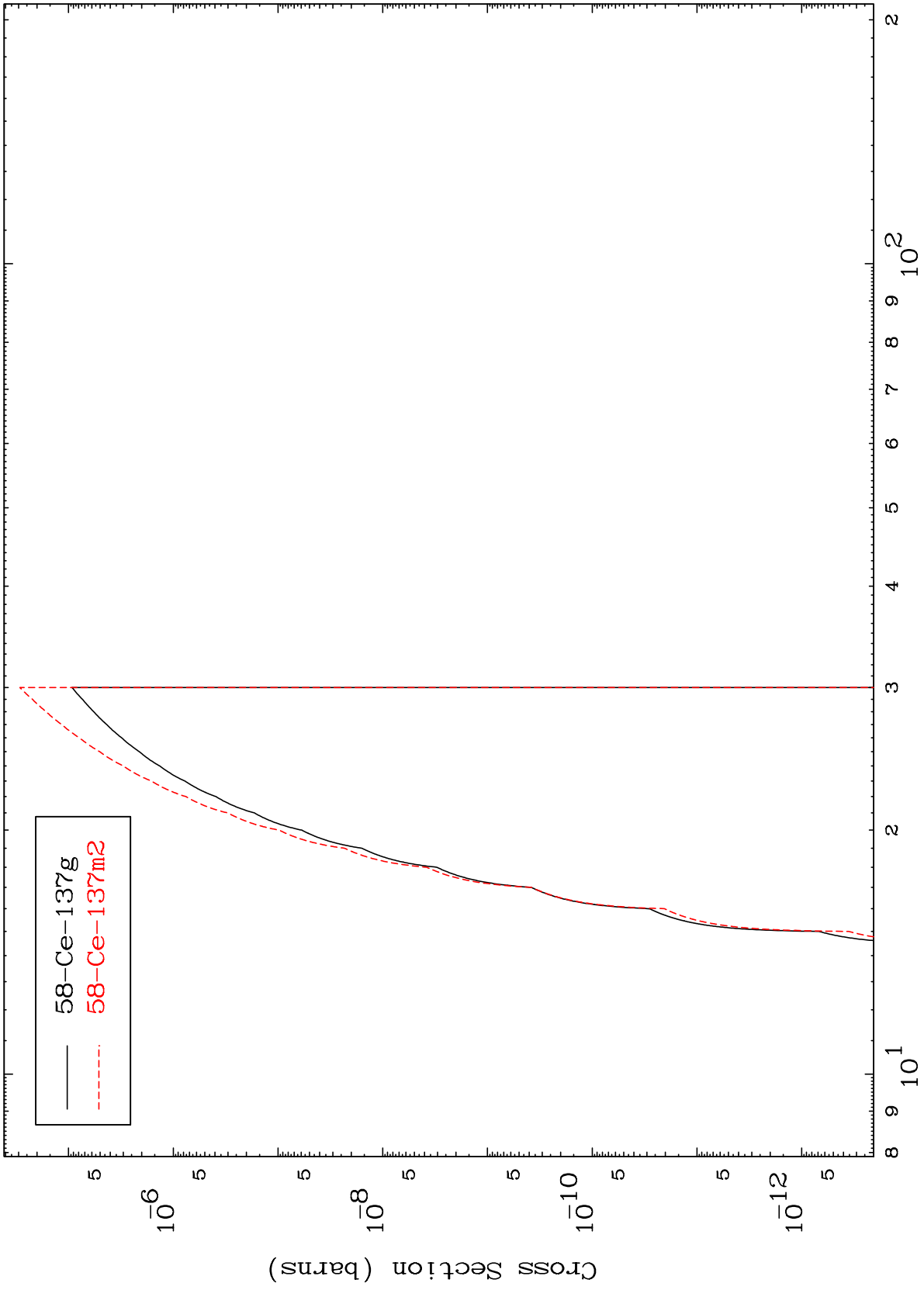
60-Nd-139

MAT 6017

(n,p) d

60-Nd-139

Radionuclide Production Cross Section



28

Incident Energy (MeV)

60-Nd-139