

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](mailto:redcullen1@comcast.net)

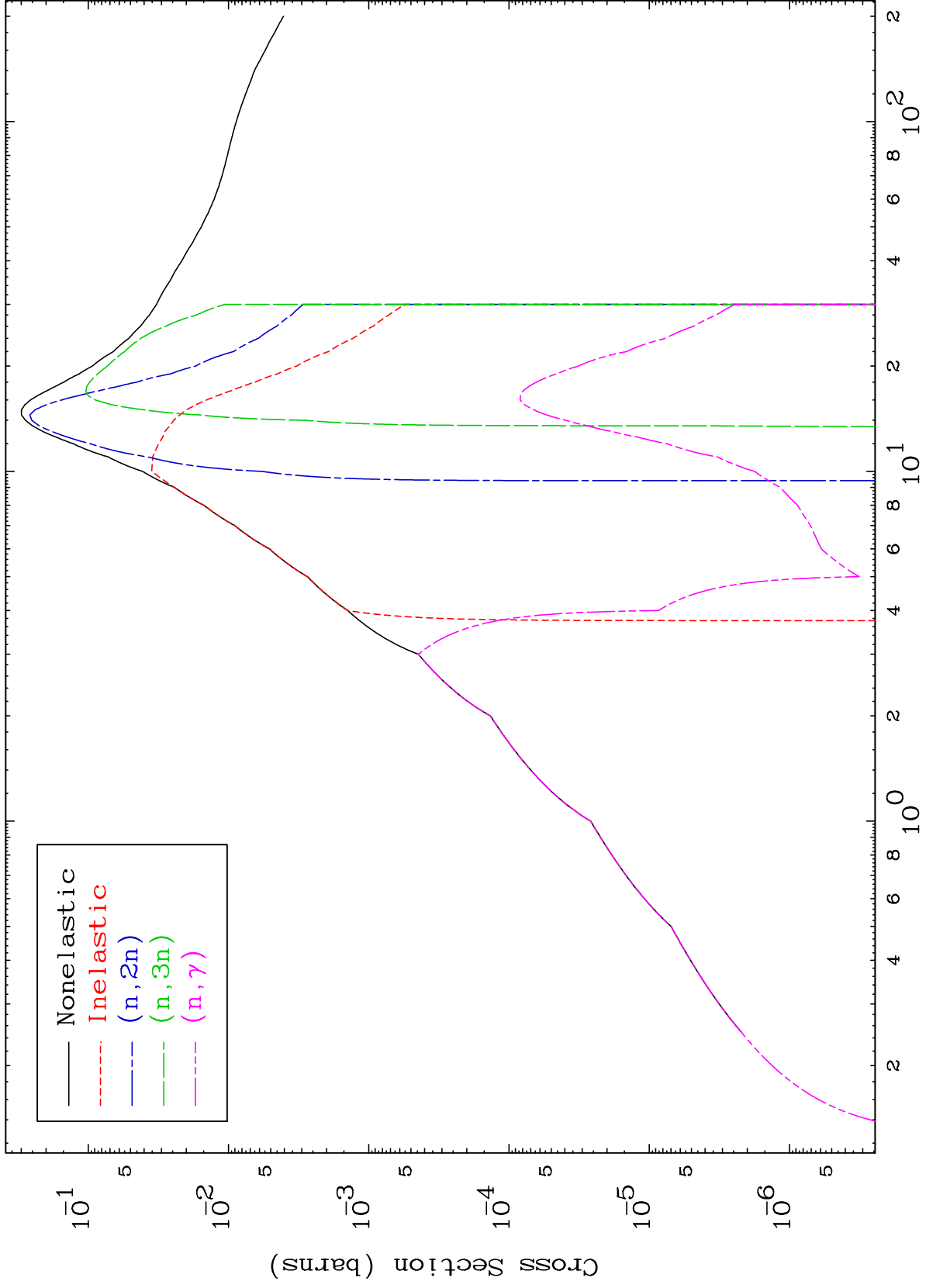
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

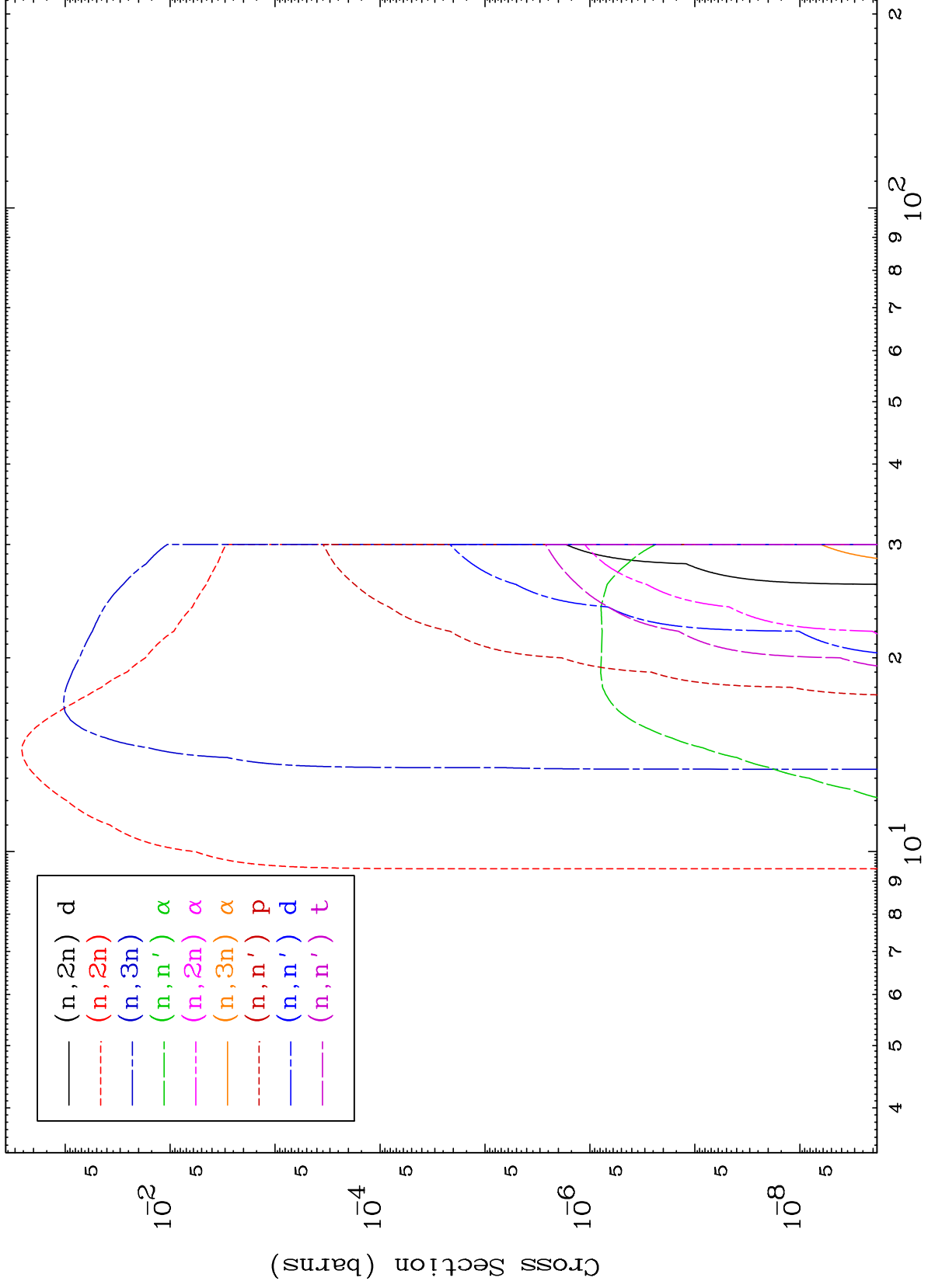
Press Mouse Button to Start

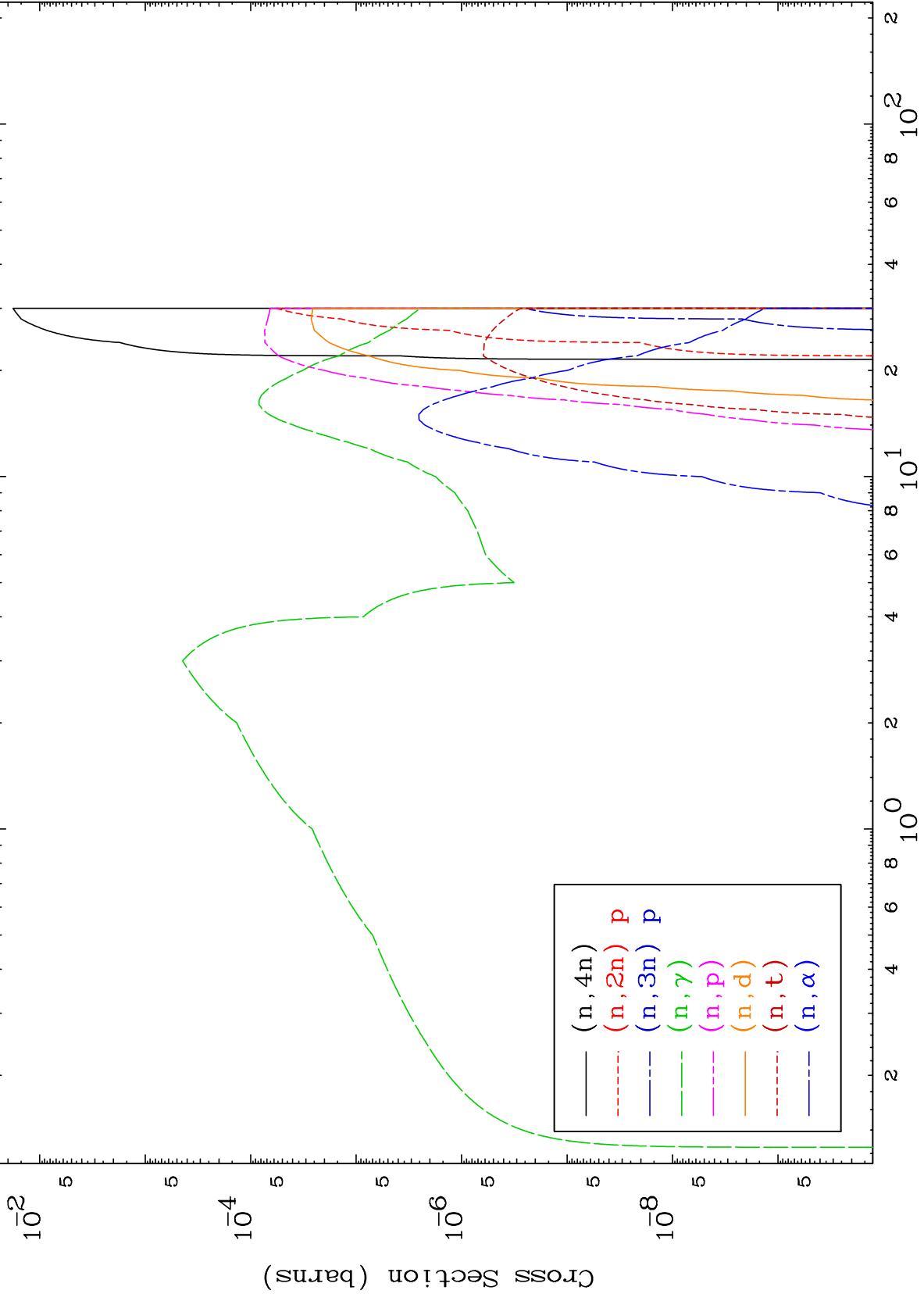
MAT 5470

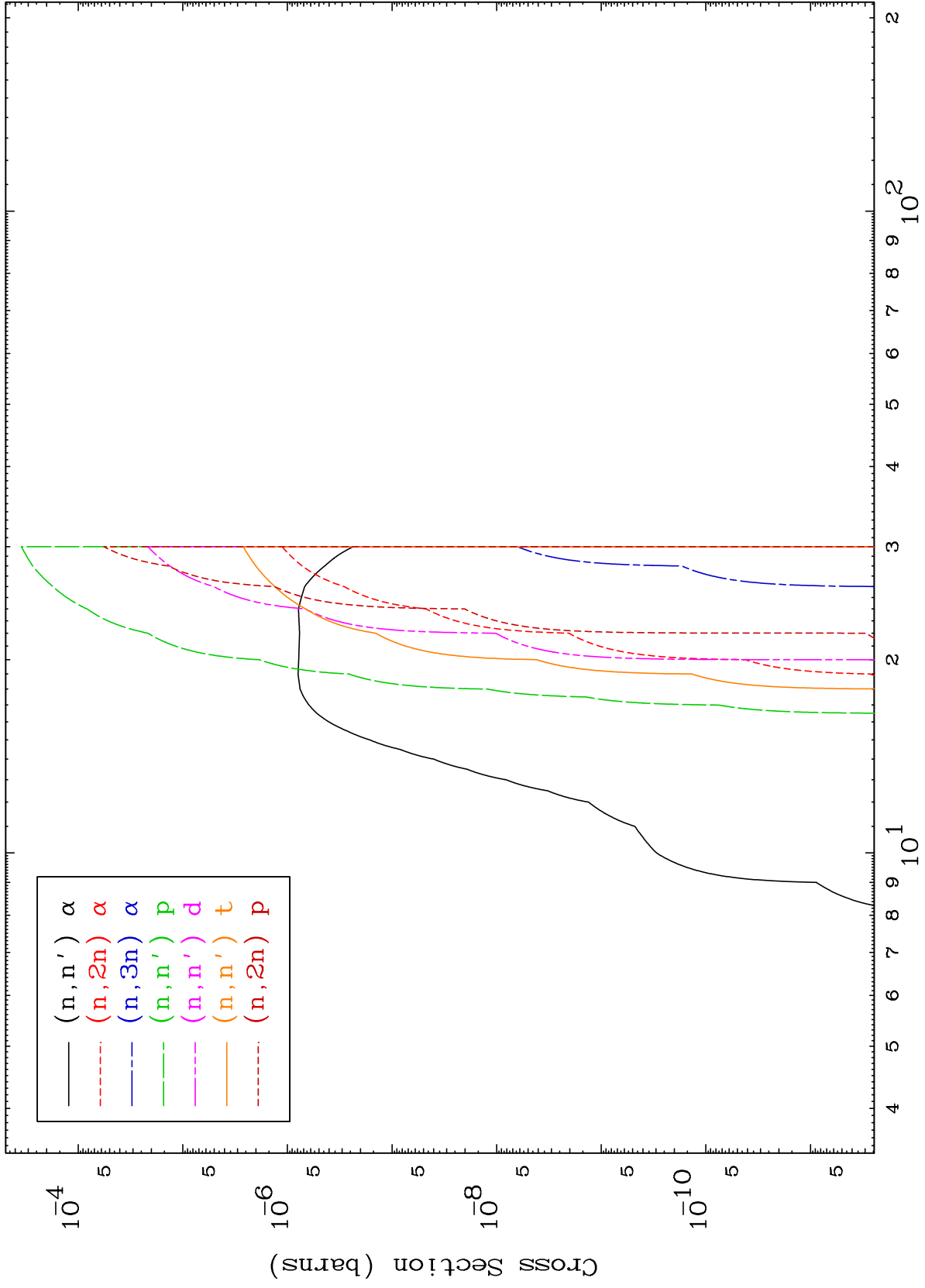
Photon Major  
0 Kelvin Cross Sections

54-Xe-139





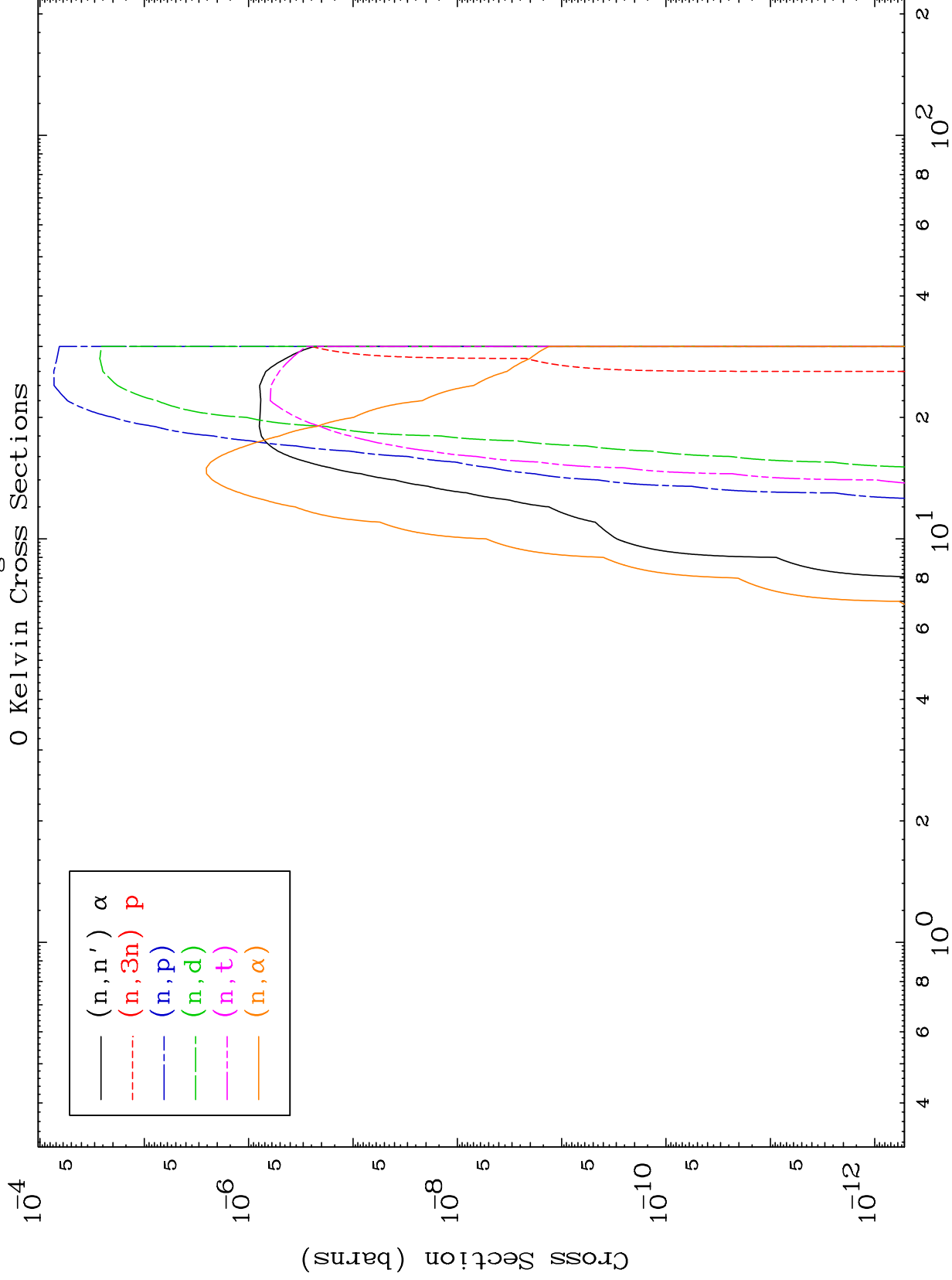




MAT 5470

Photon Charged Particle  
0 Kelvin Cross Sections

54-Xe-139



5

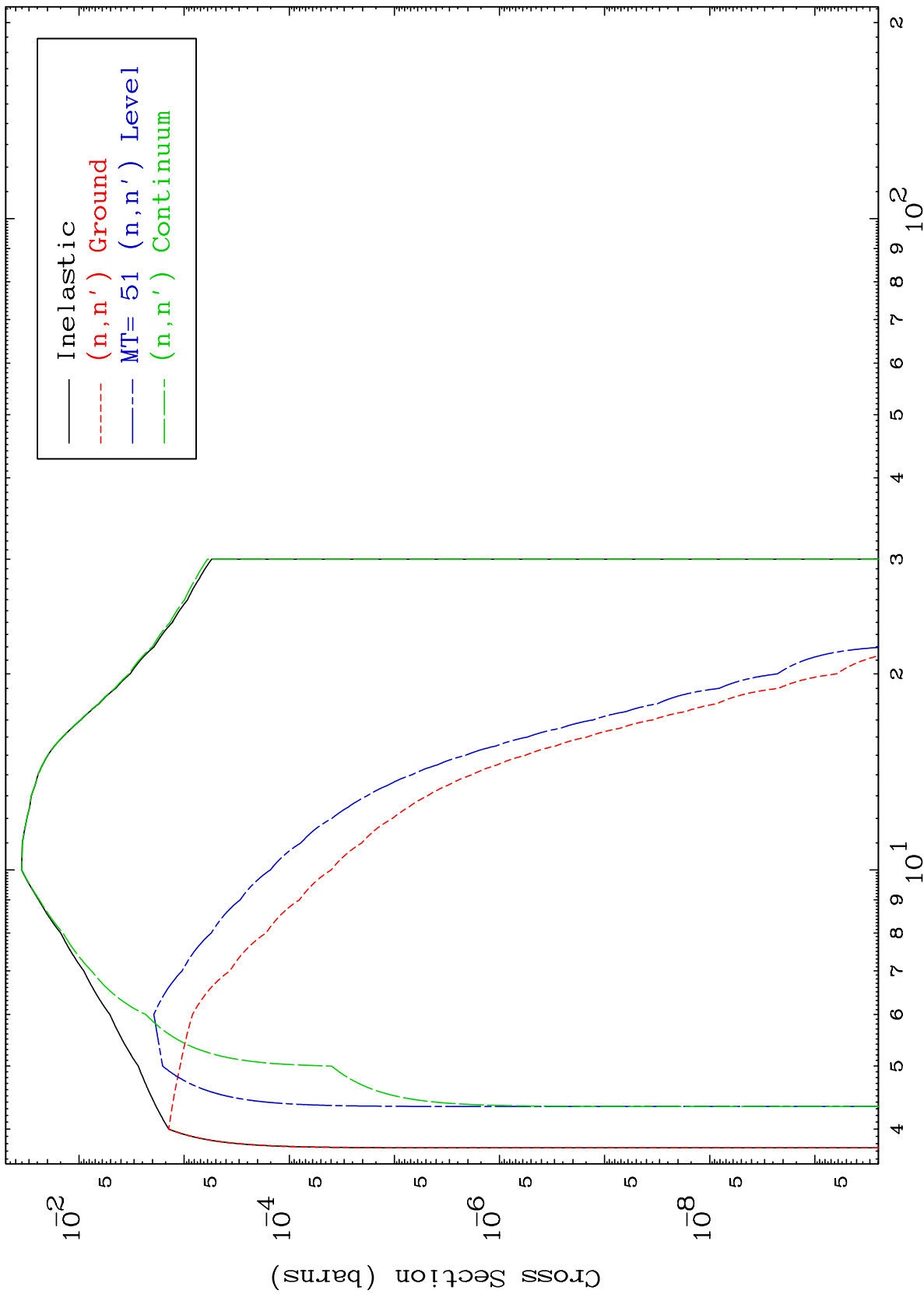
Incident Energy (MeV)

54-Xe-139

MAT 5470

54-Xe-139

( $\gamma, n'$ ) Levels  
0 Kelvin Cross Sections



54-Xe-139

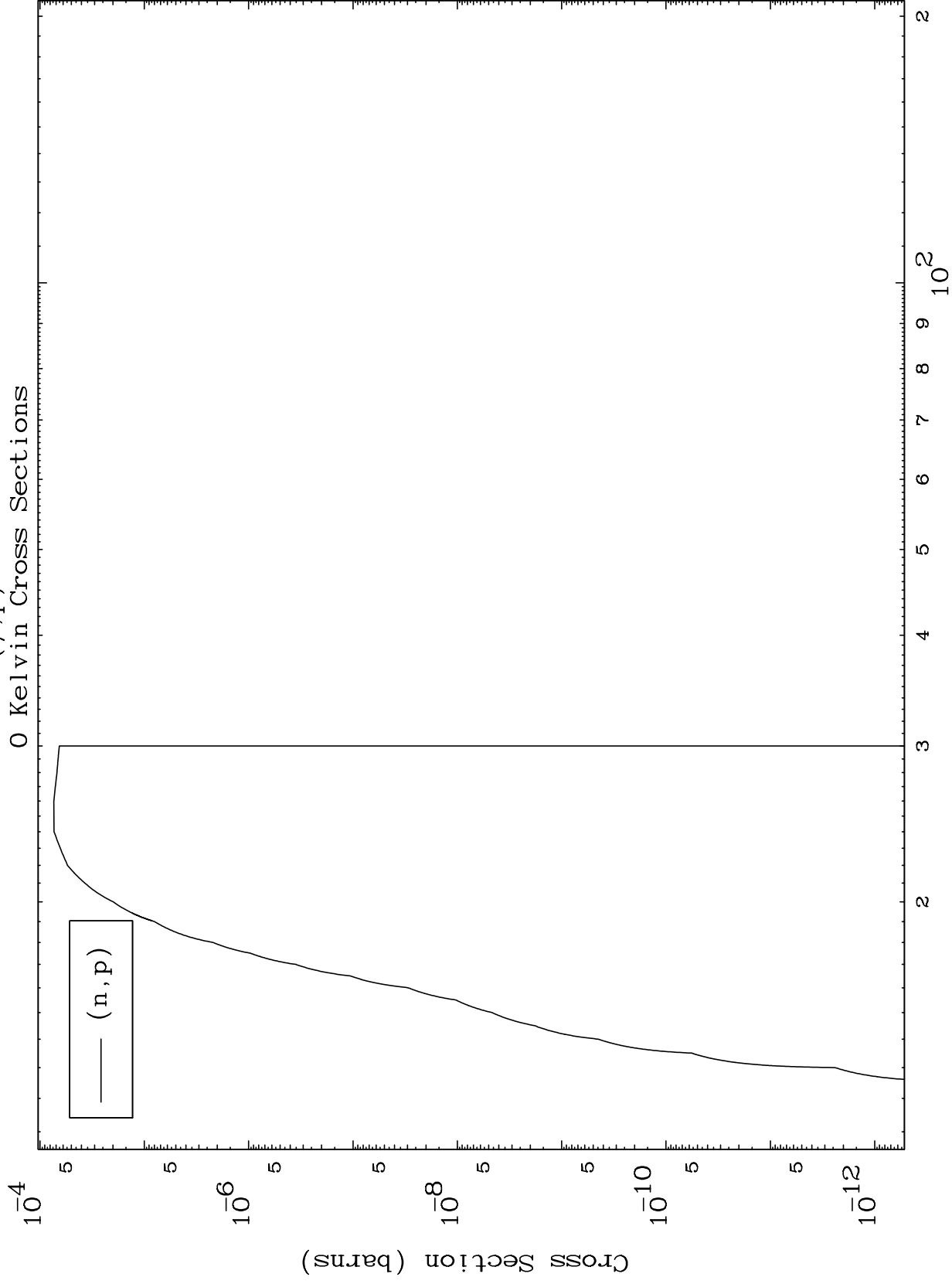
Incident Energy (MeV)

6

MAT 5470

( $\gamma, p$ ) Levels  
0 Kelvin Cross Sections

54-Xe-139

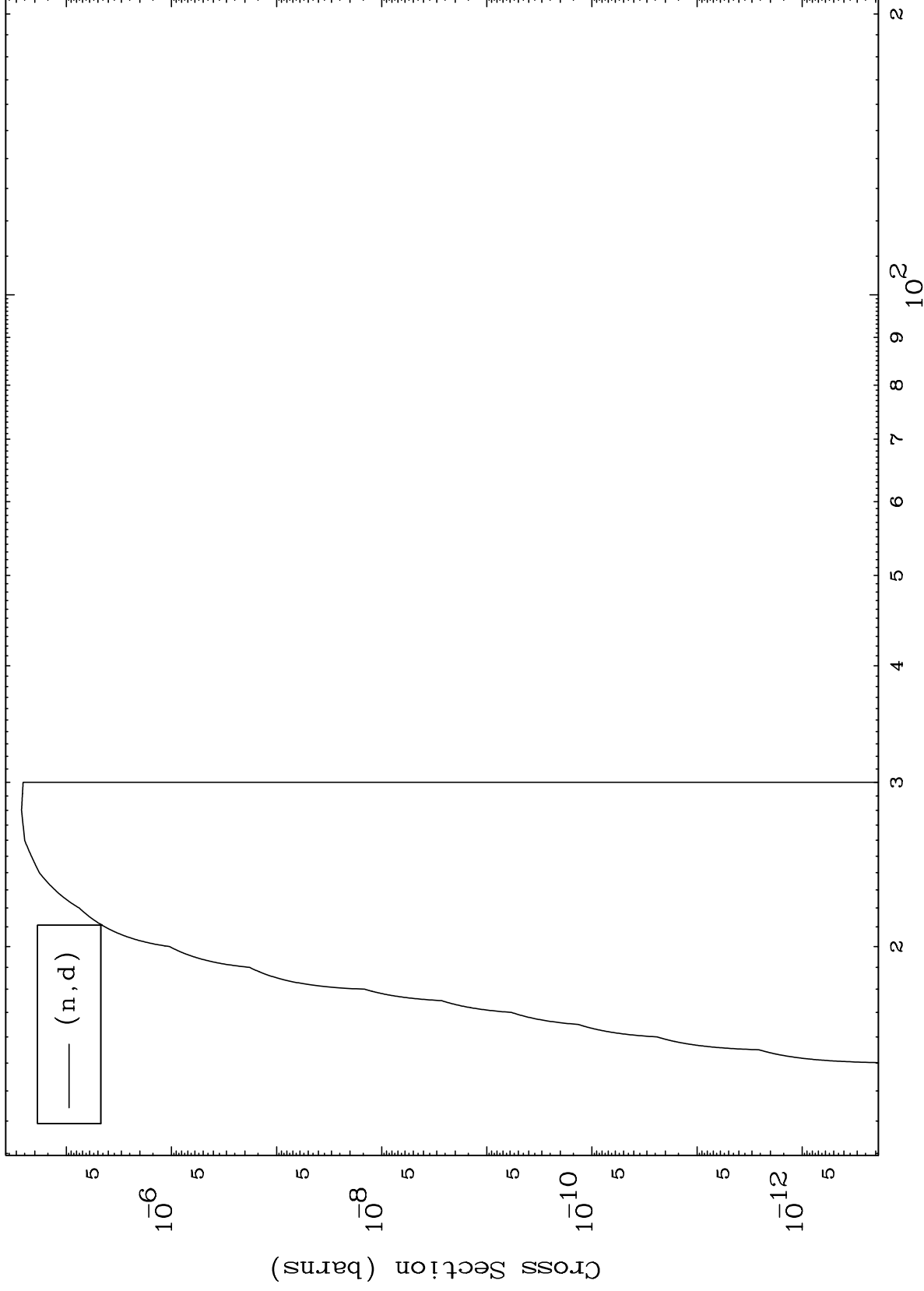


7

Incident Energy (MeV)

54-Xe-139

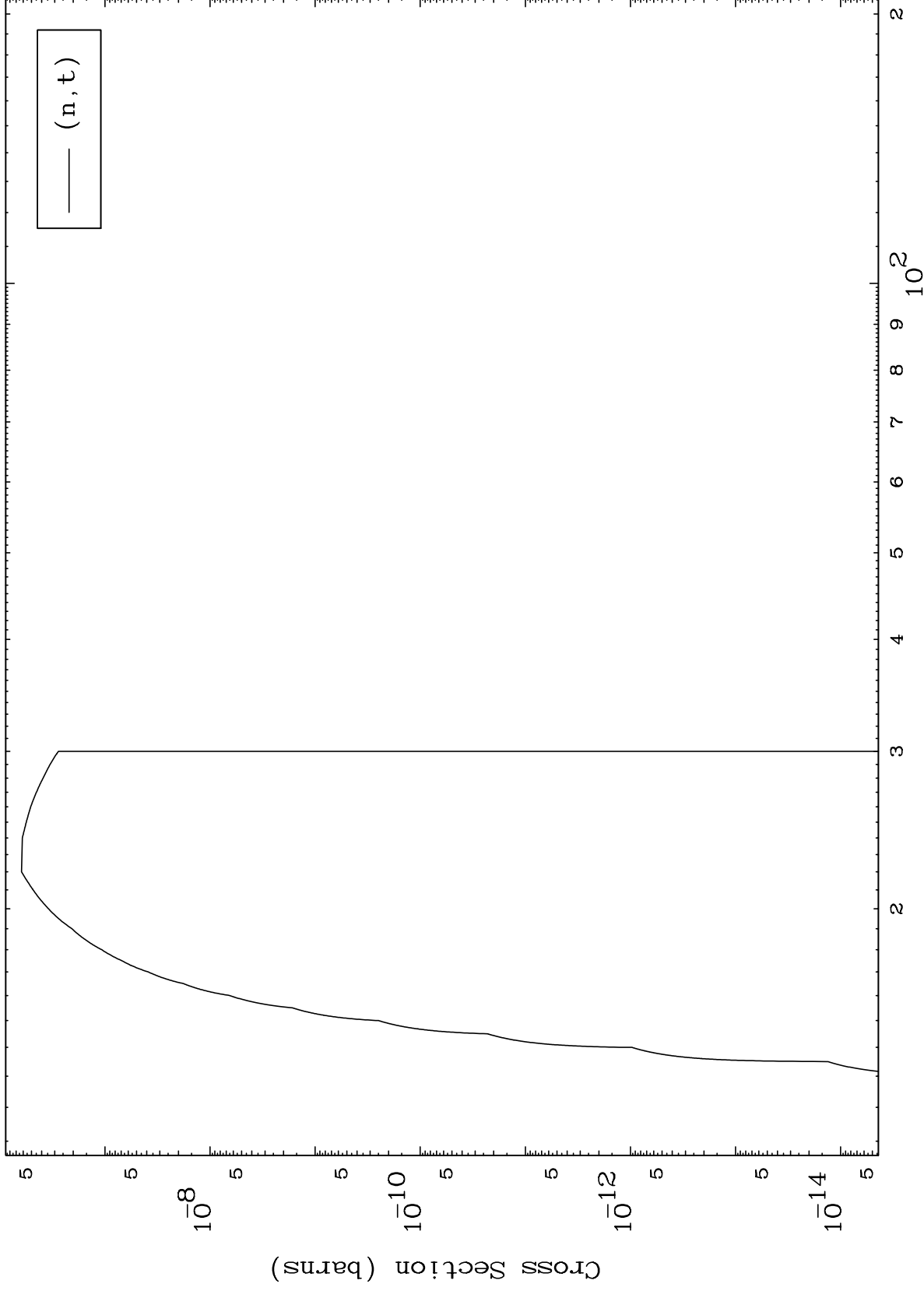




MAT 5470

( $\gamma, t$ ) Levels  
0 Kelvin Cross Sections

54-Xe-139

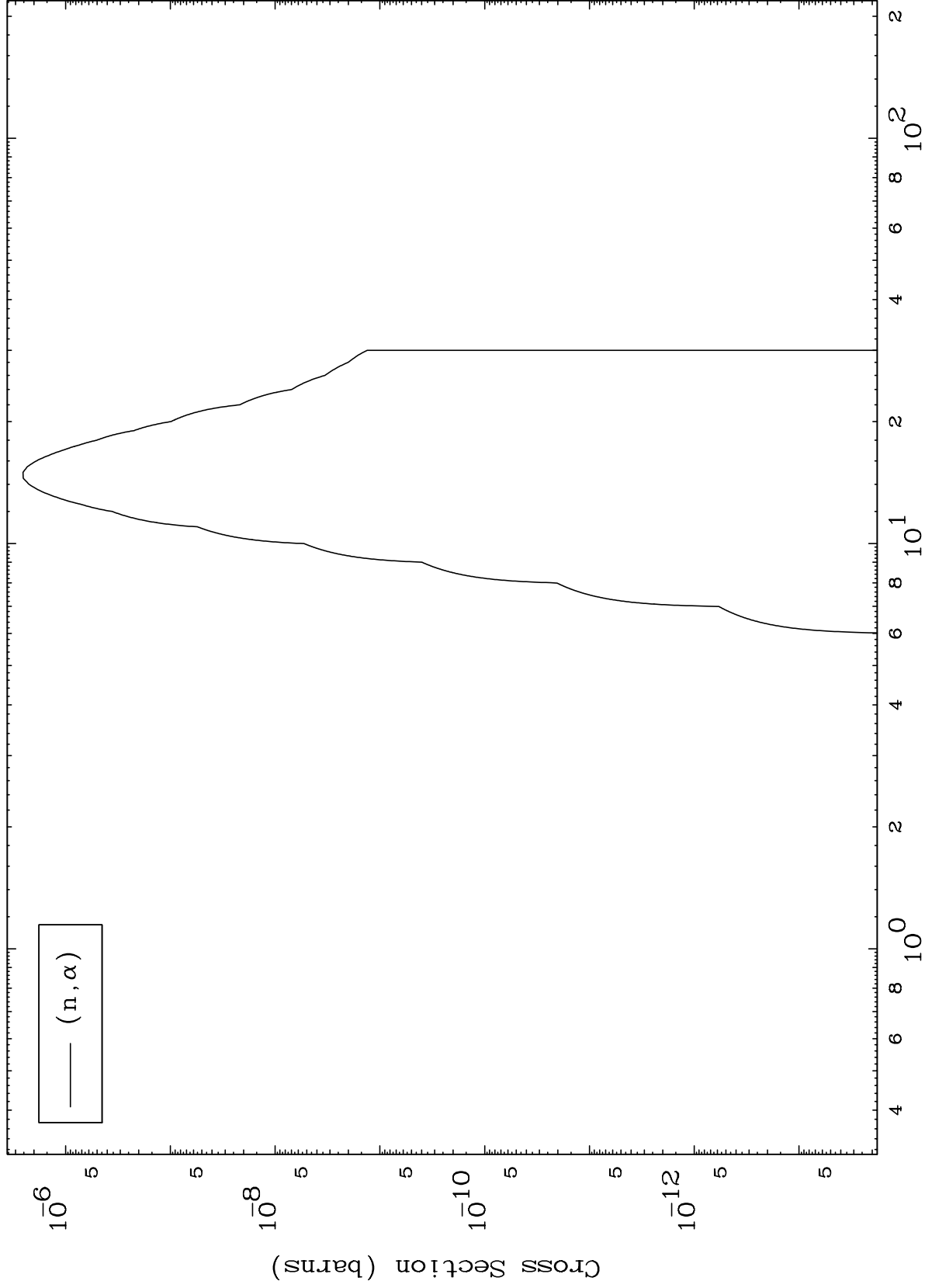


MAT 5470

( $\gamma, \alpha$ ) Levels

54-Xe-139

0 Kelvin Cross Sections

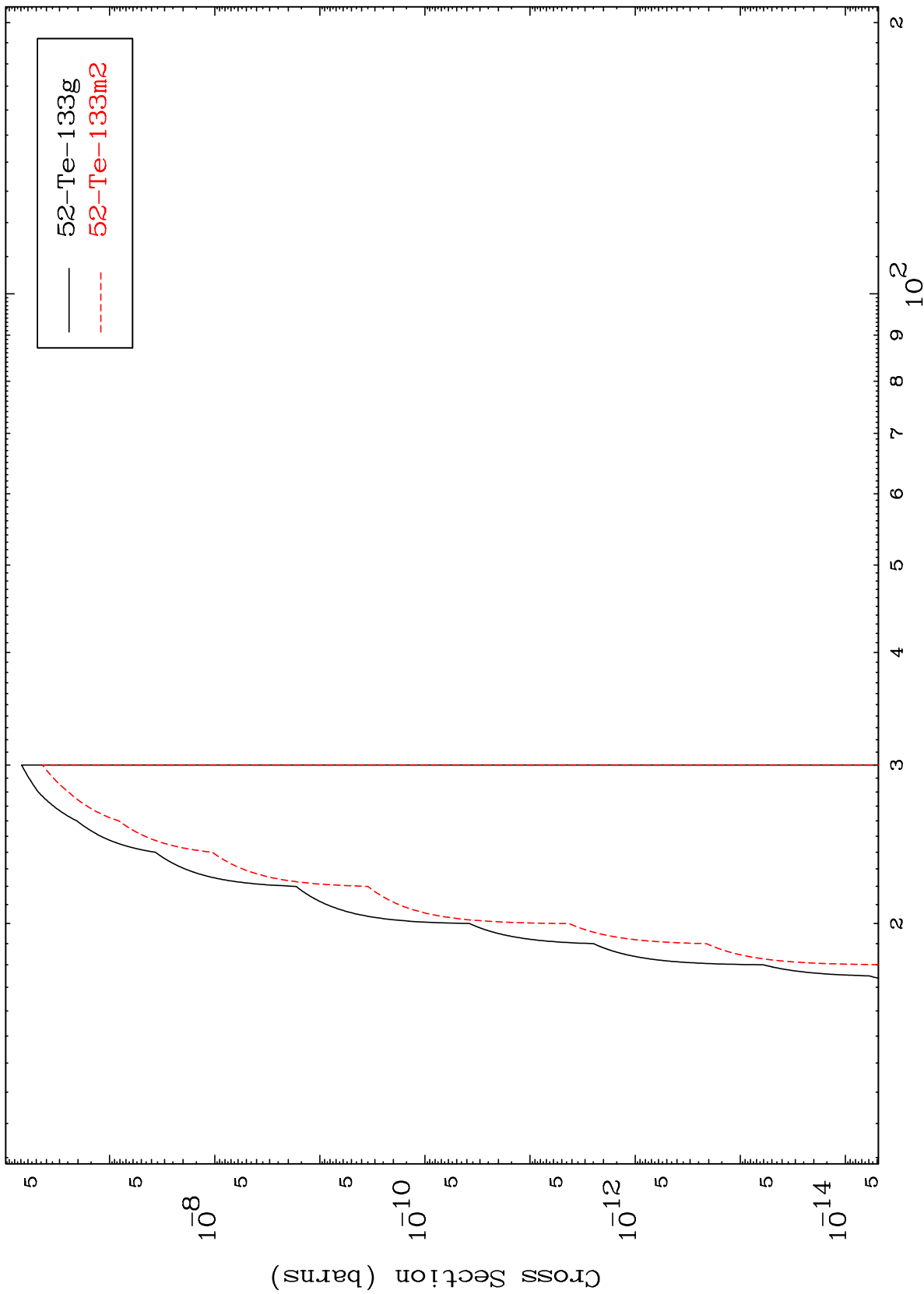


10

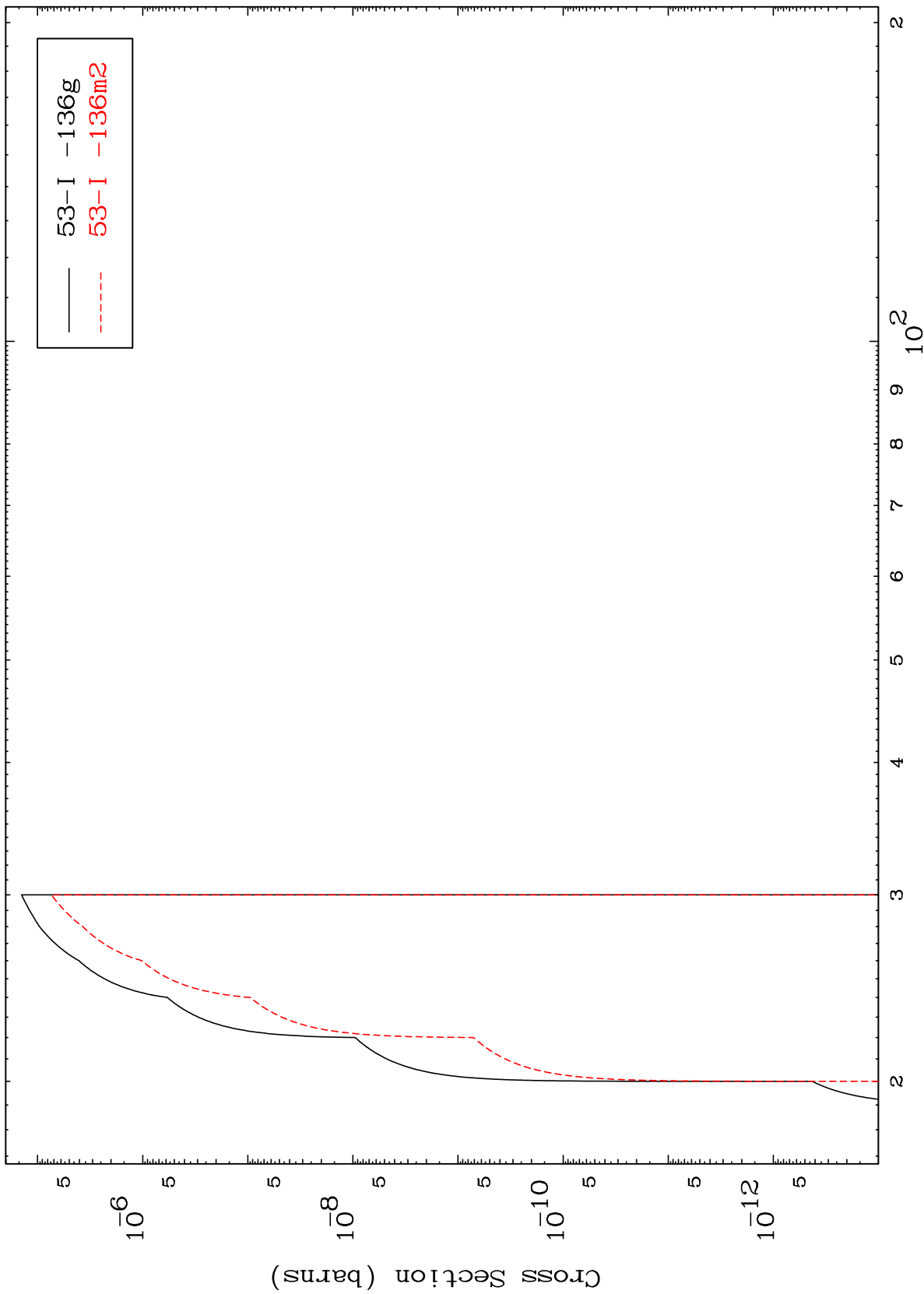
Incident Energy (MeV)

54-Xe-139

Radionuclide Production Cross Section



Radionuclide Production Cross Section

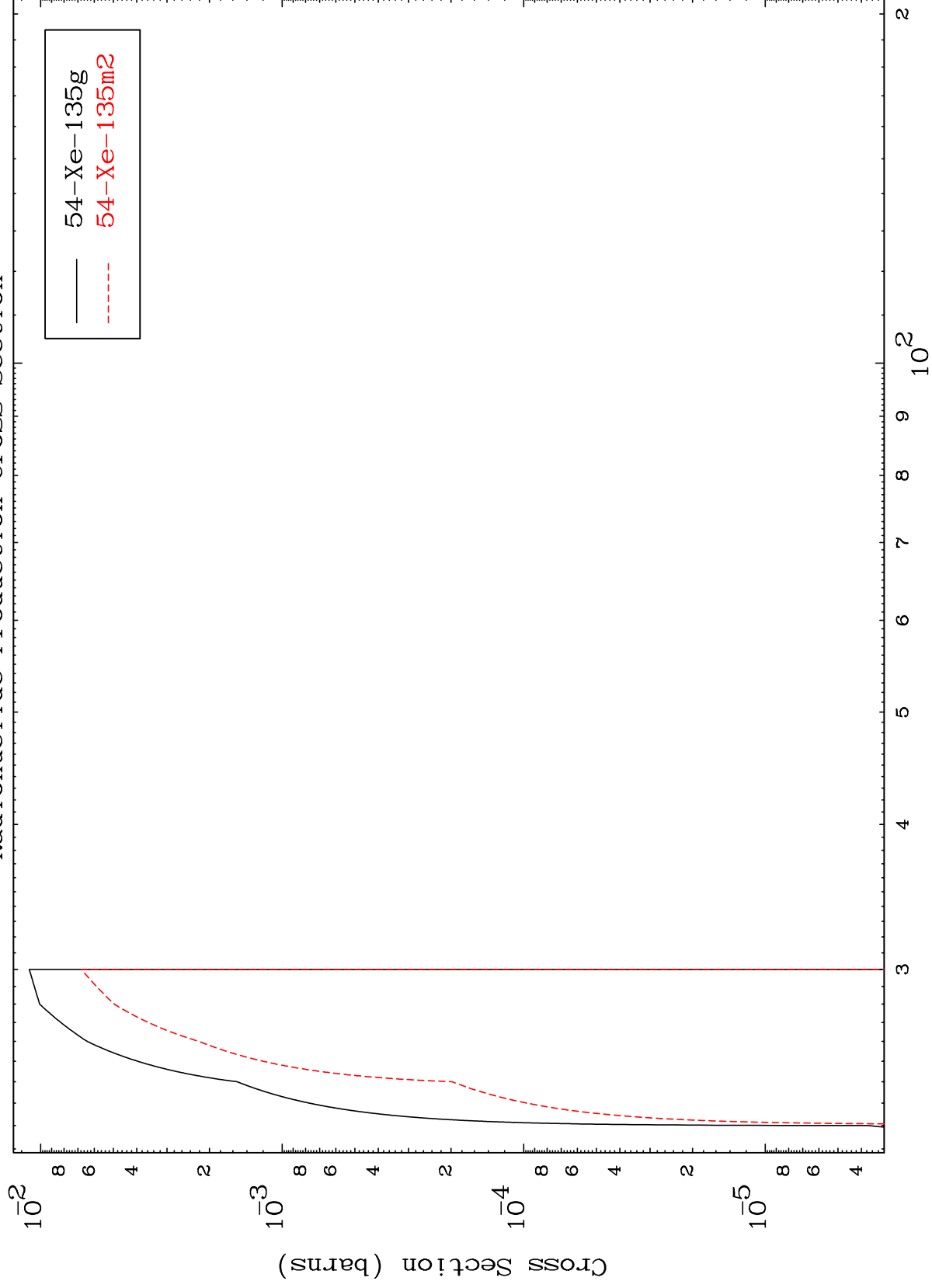


MAT 5470

(n,4n)

54-Xe-139

Radionuclide Production Cross Section



13

Incident Energy (MeV)

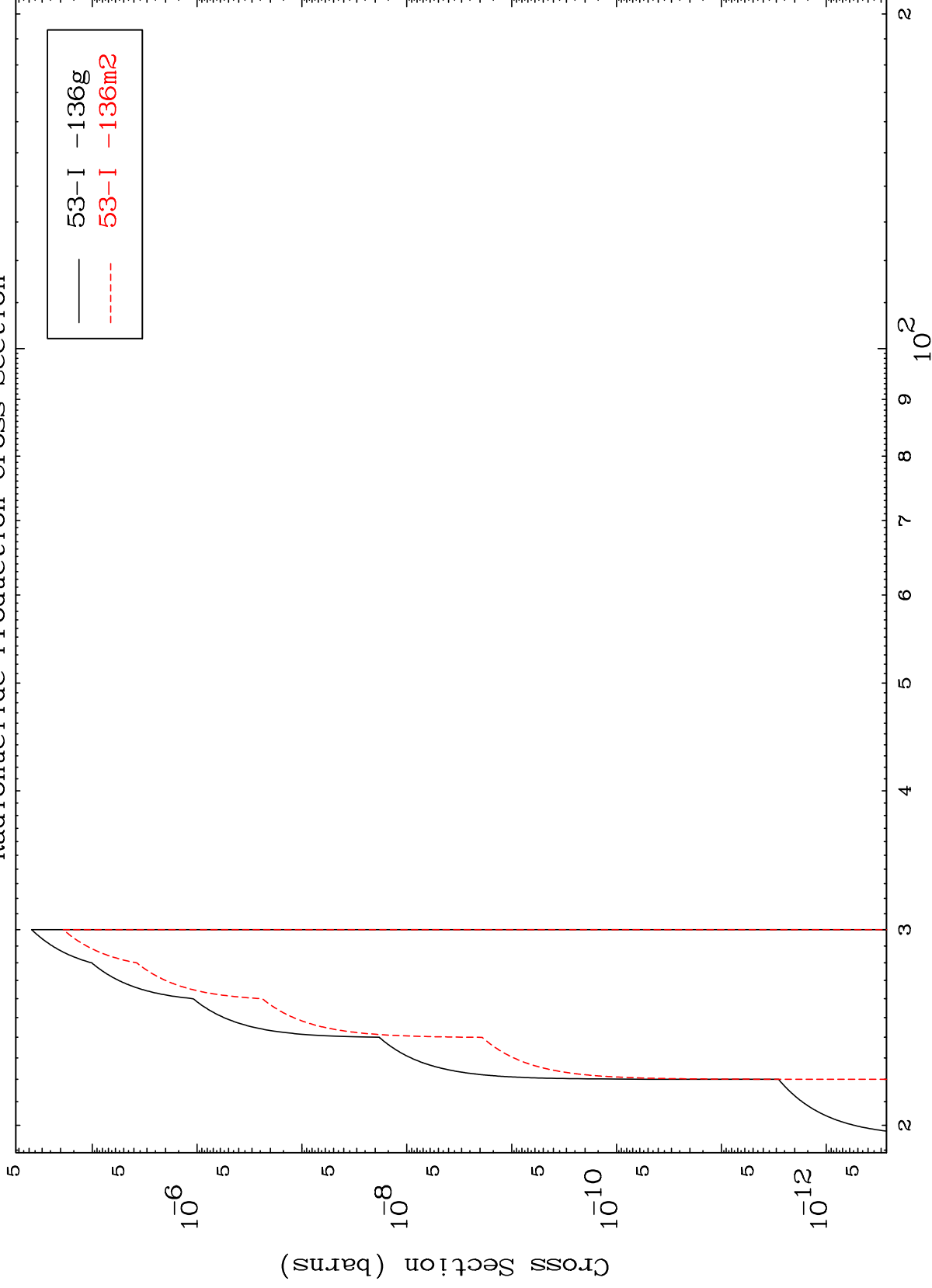
54-Xe-139

MAT 5470

(n,2n) p

54-Xe-139

Radionuclide Production Cross Section



14

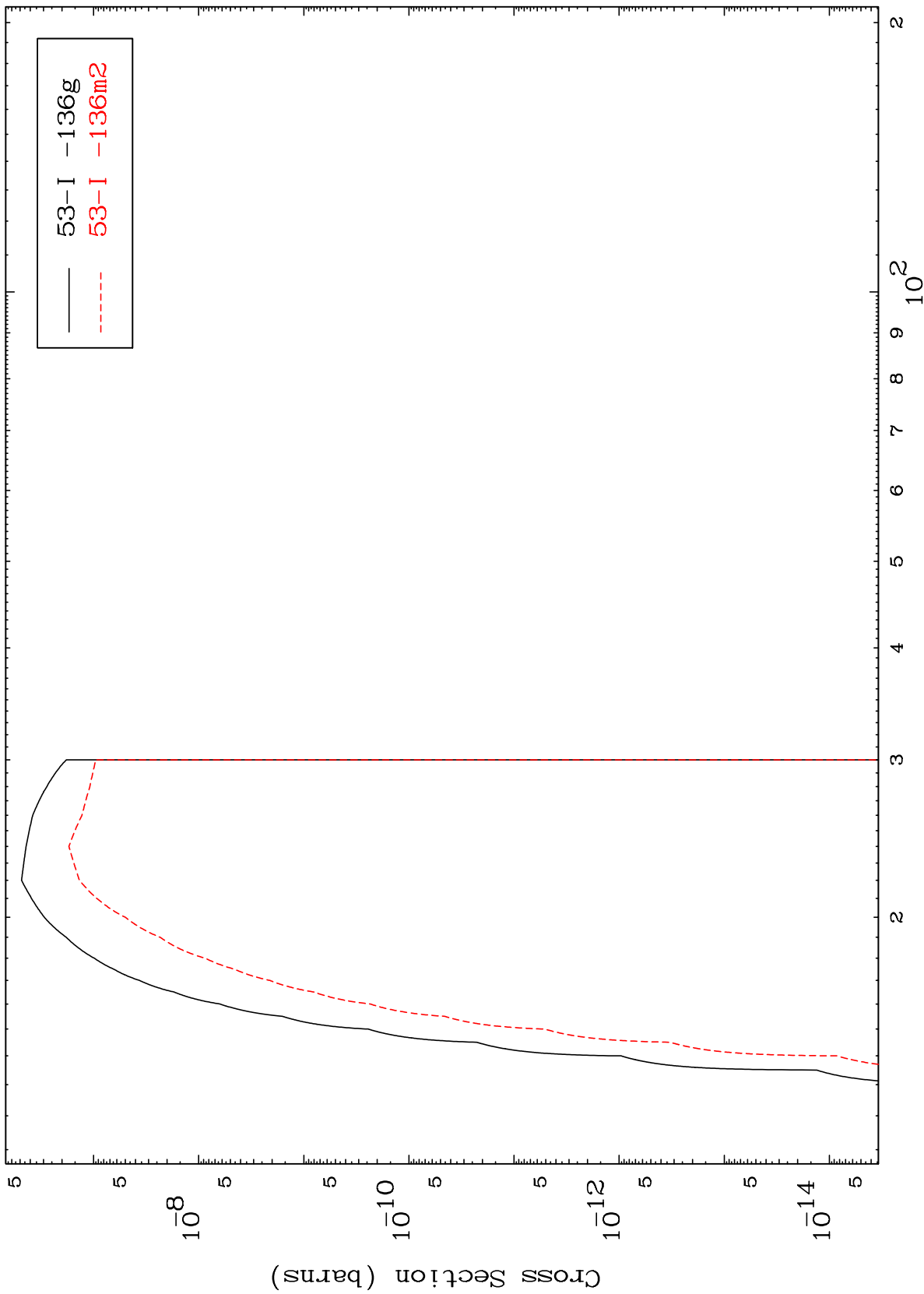
Incident Energy (MeV)

54-Xe-139

MAT 5470

54-Xe-139

(n,t)  
Radionuclide Production Cross Section



15

Incident Energy (MeV)

54-Xe-139