

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

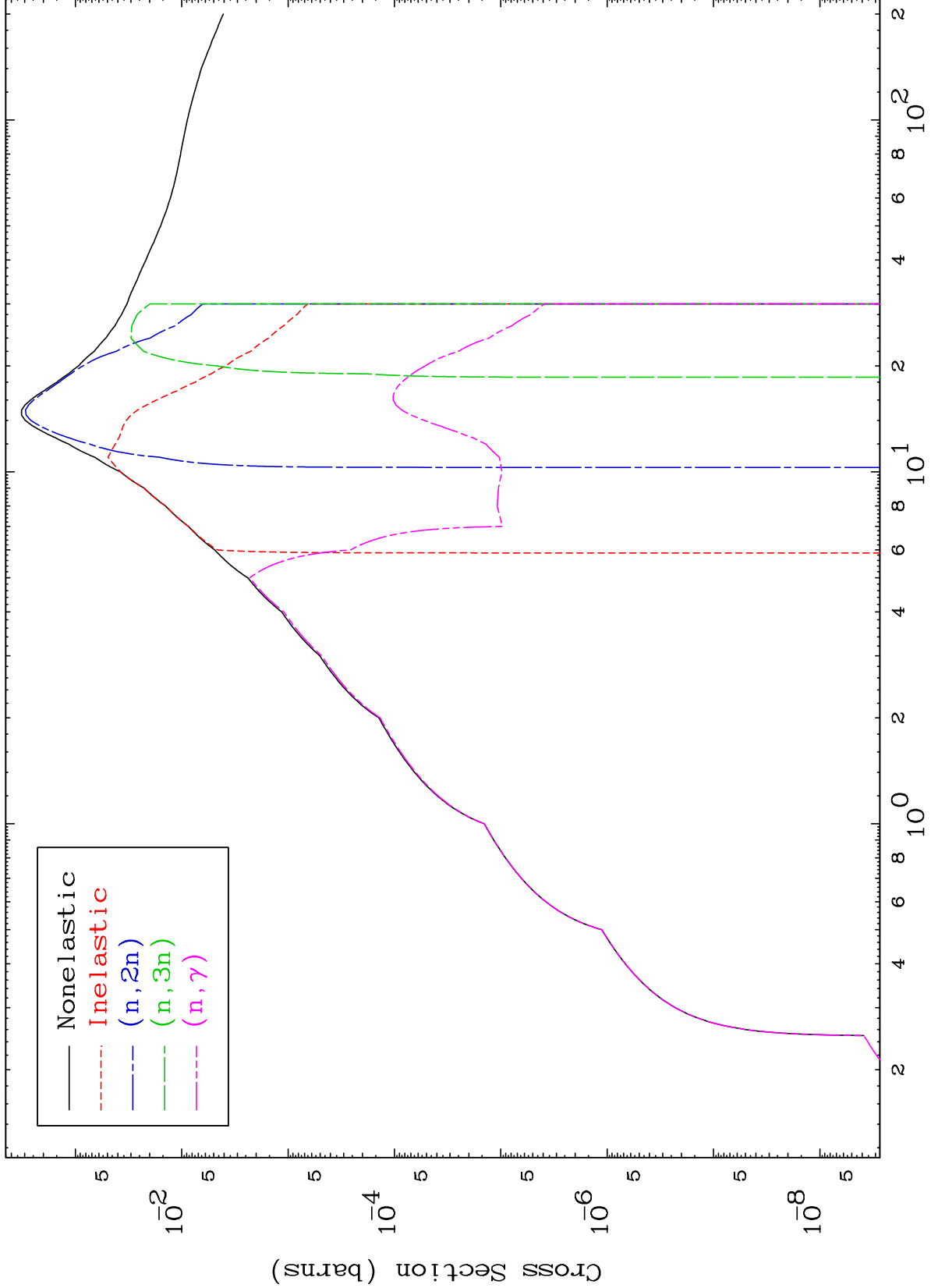
Press Mouse Button to Start

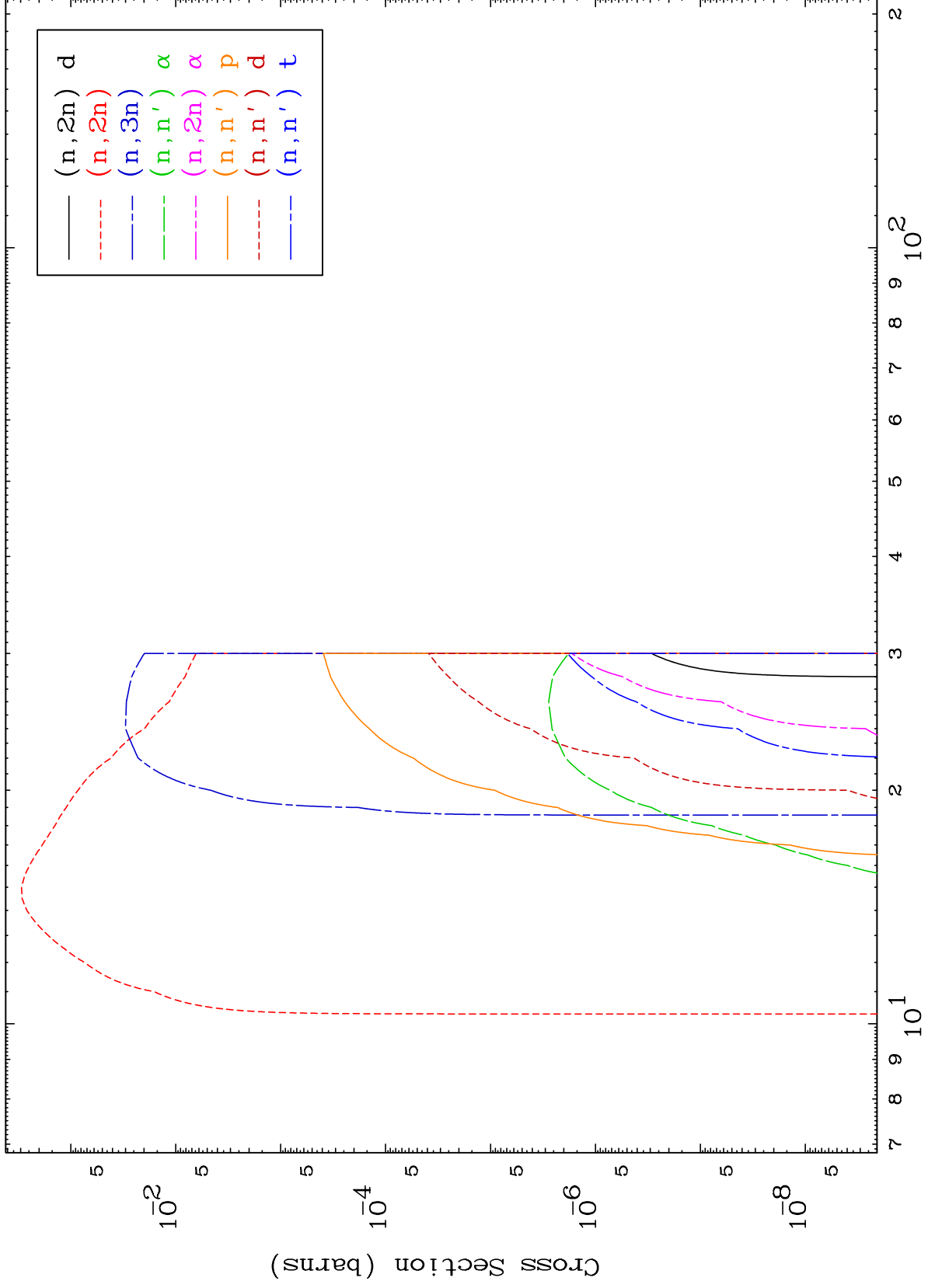
MAT 5543

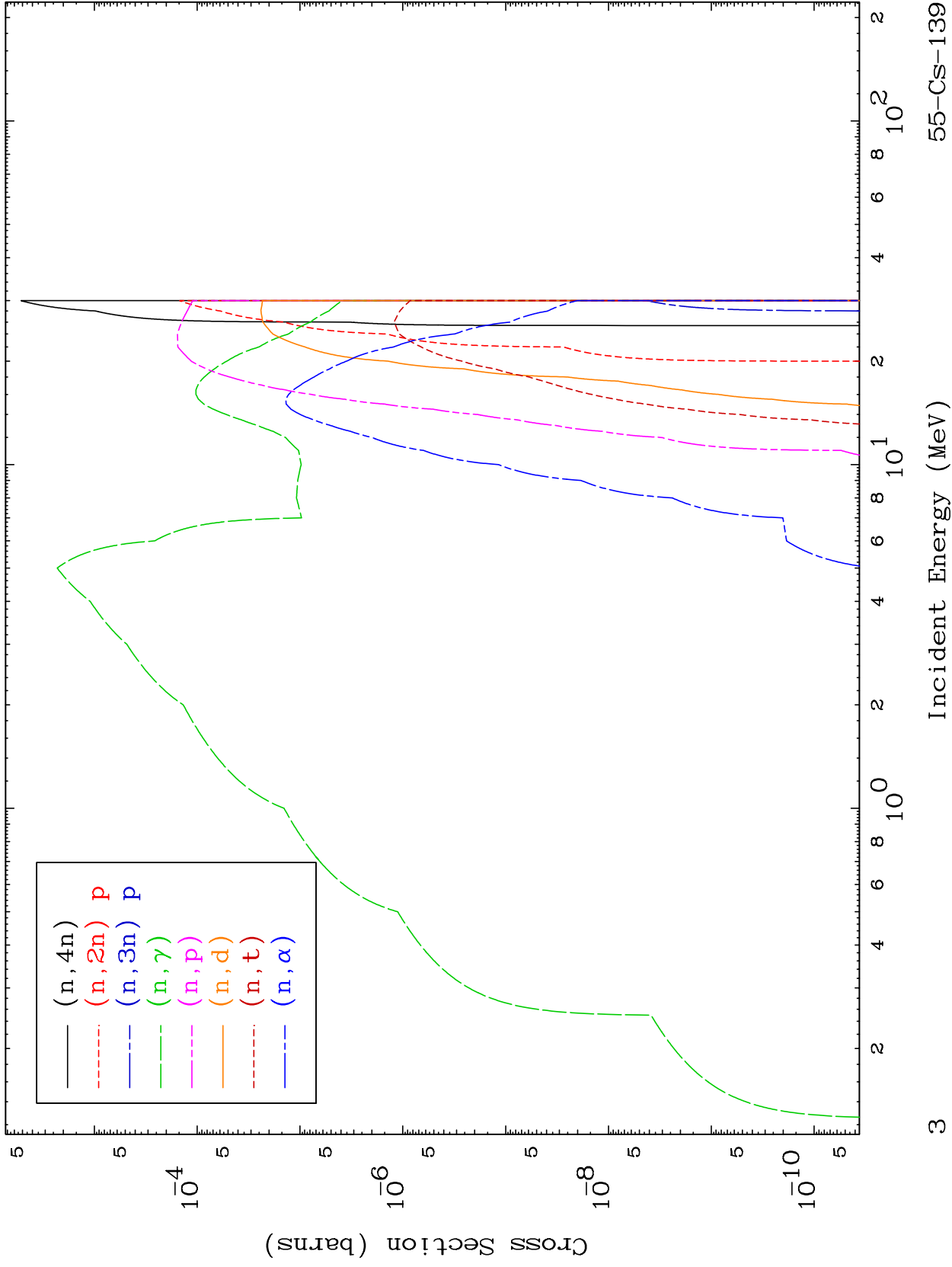
Photon Major

55-Cs-139

0 Kelvin Cross Sections



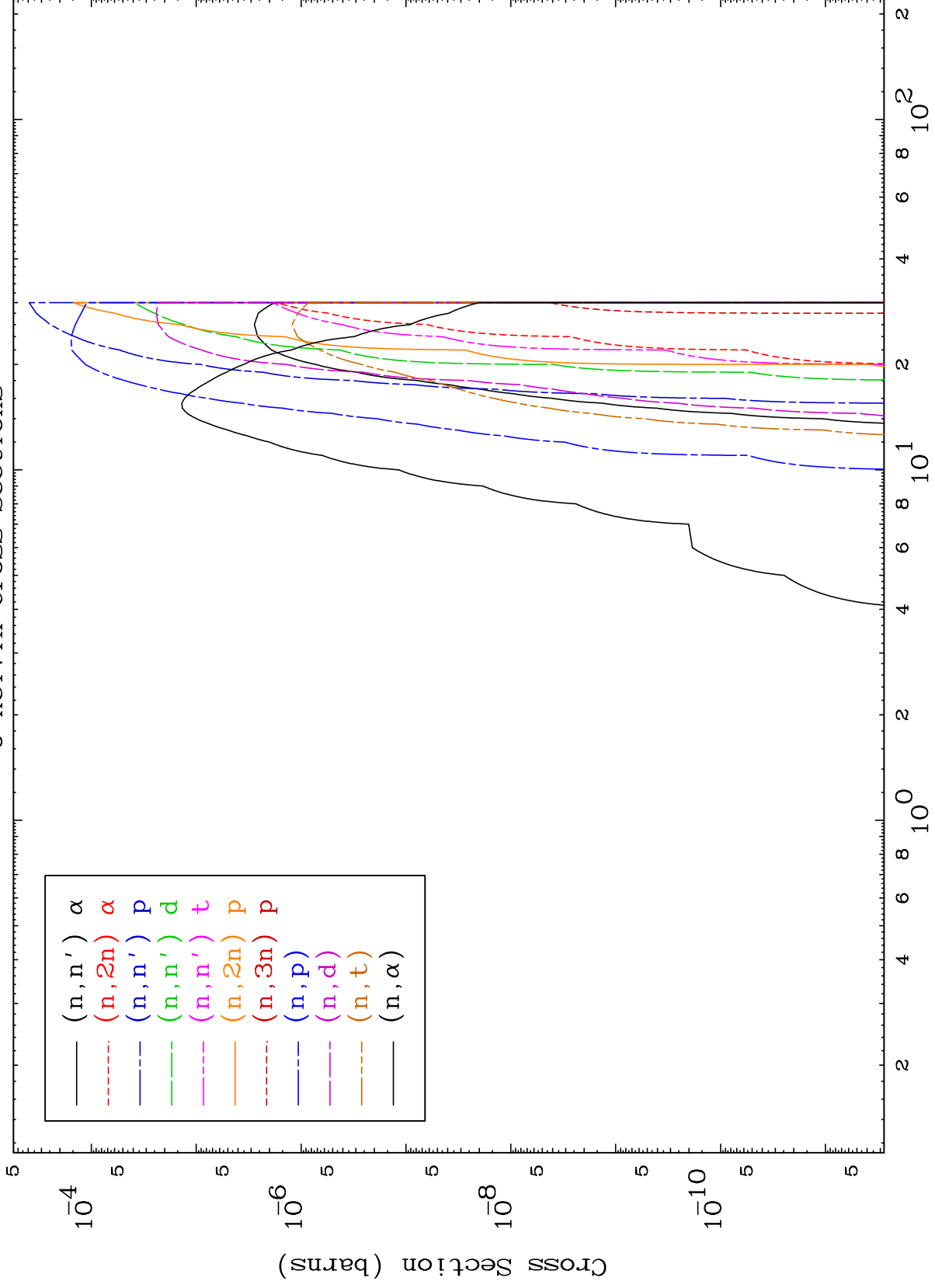




MAT 5543

Photon Charged Particle  
0 Kelvin Cross Sections

55-Cs-139

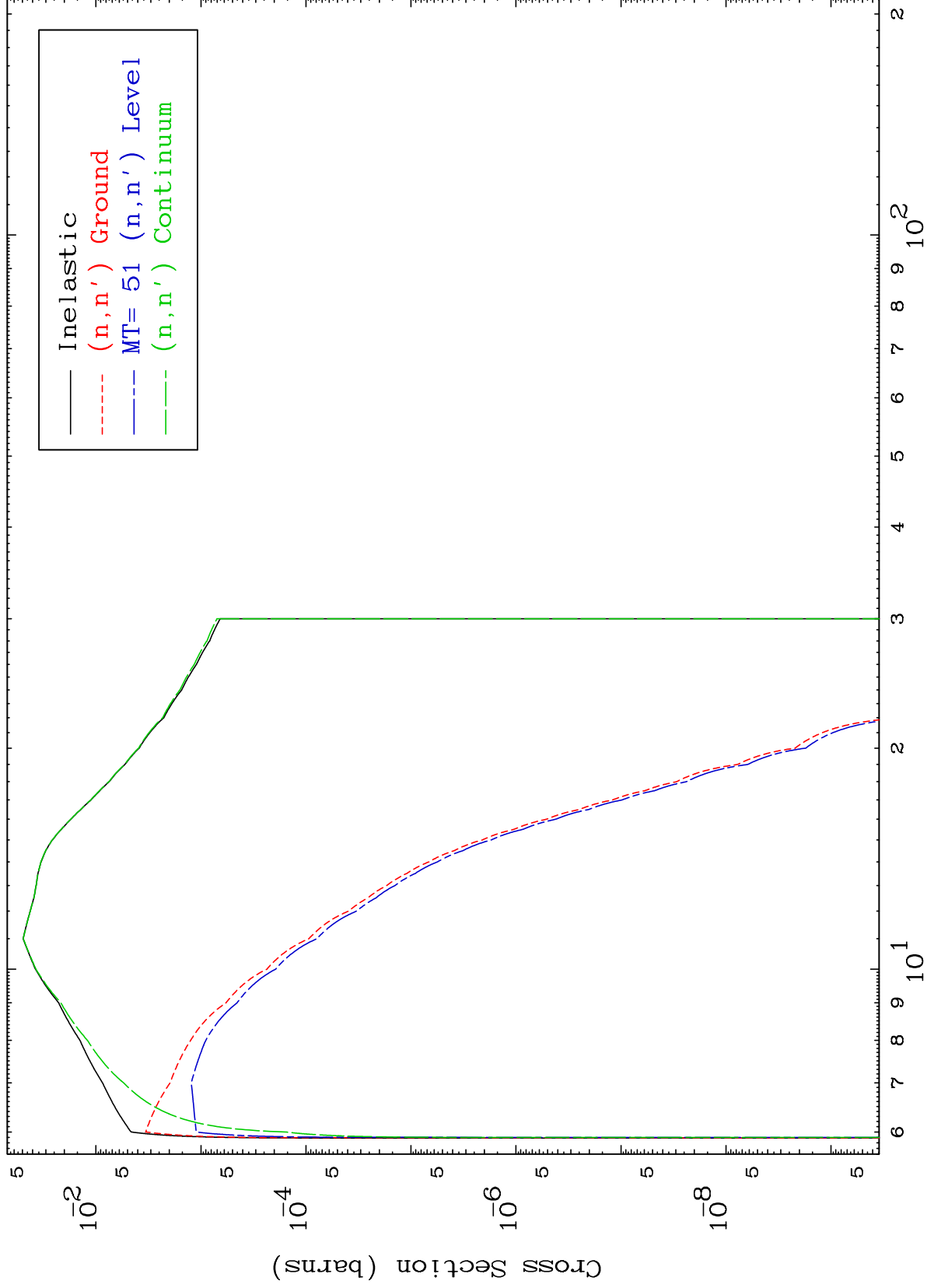


MAT 5543

( $\gamma, n'$ ) Levels

55-Cs-139

0 Kelvin Cross Sections



Incident Energy (MeV)

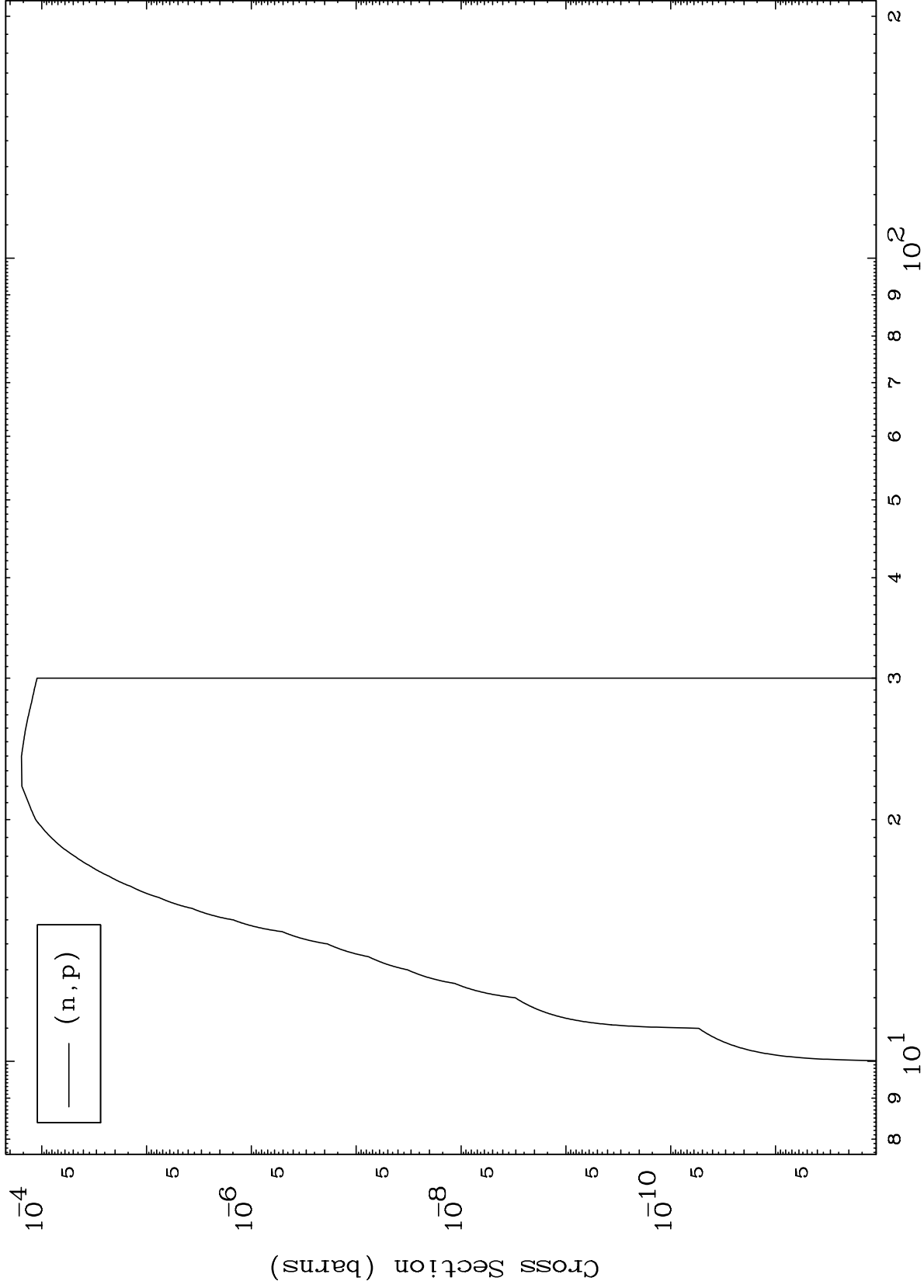
55-Cs-139

5

MAT 5543

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

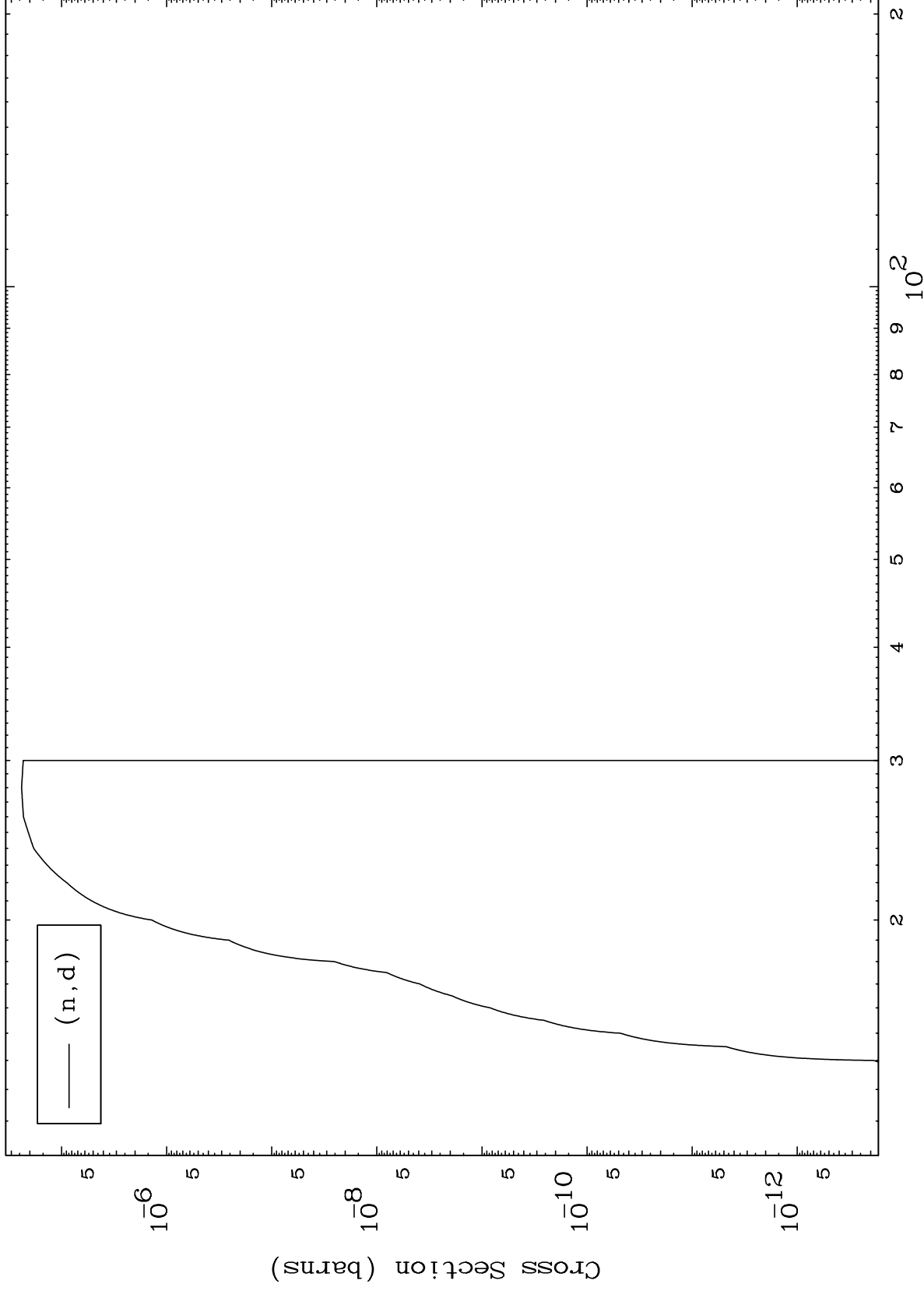
55-Cs-139



MAT 5543

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

55-Cs-139



7

Incident Energy (MeV)

55-Cs-139

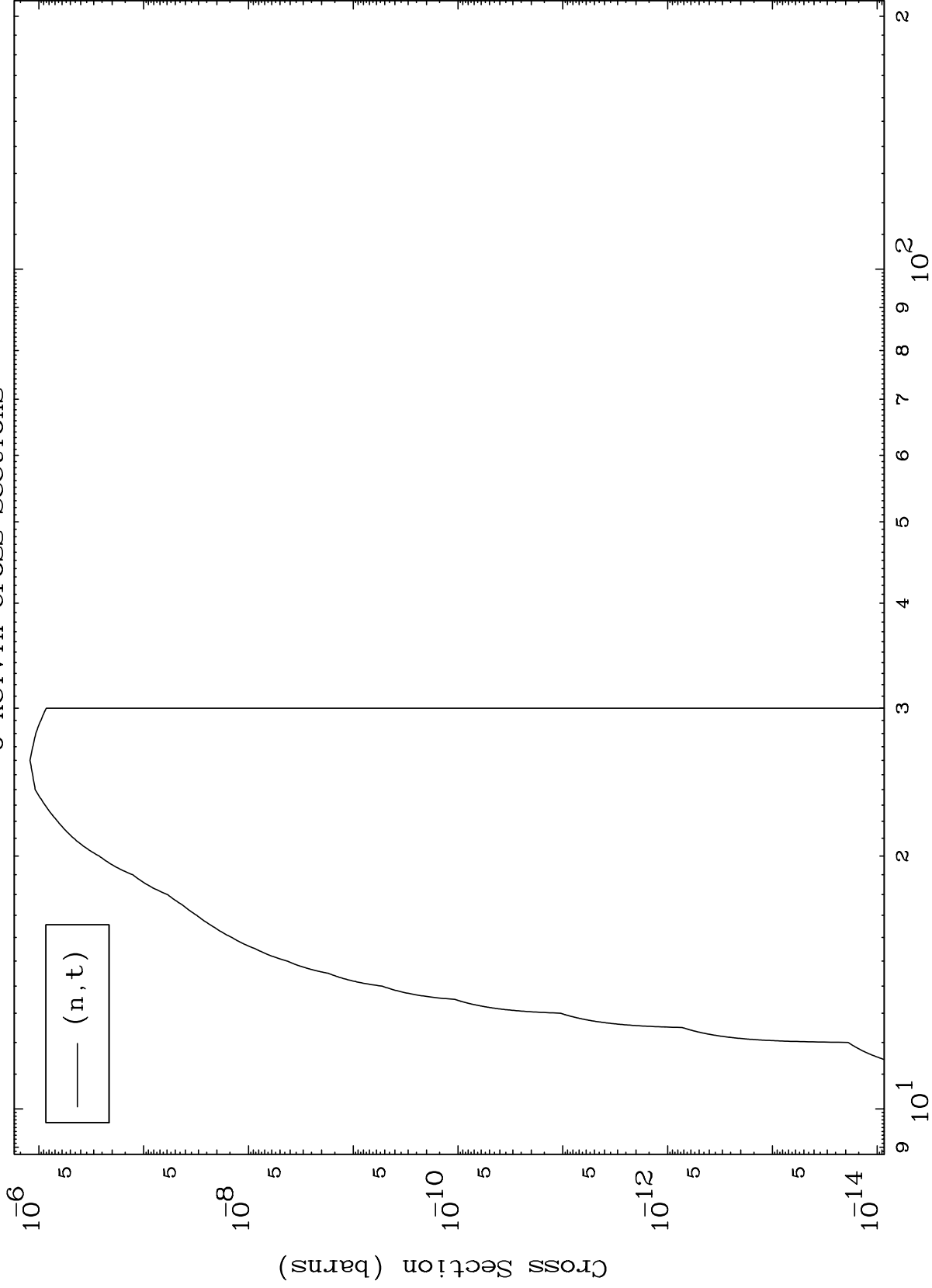


MAT 5543

( $\gamma, t$ ) Levels

55-Cs-139

0 Kelvin Cross Sections

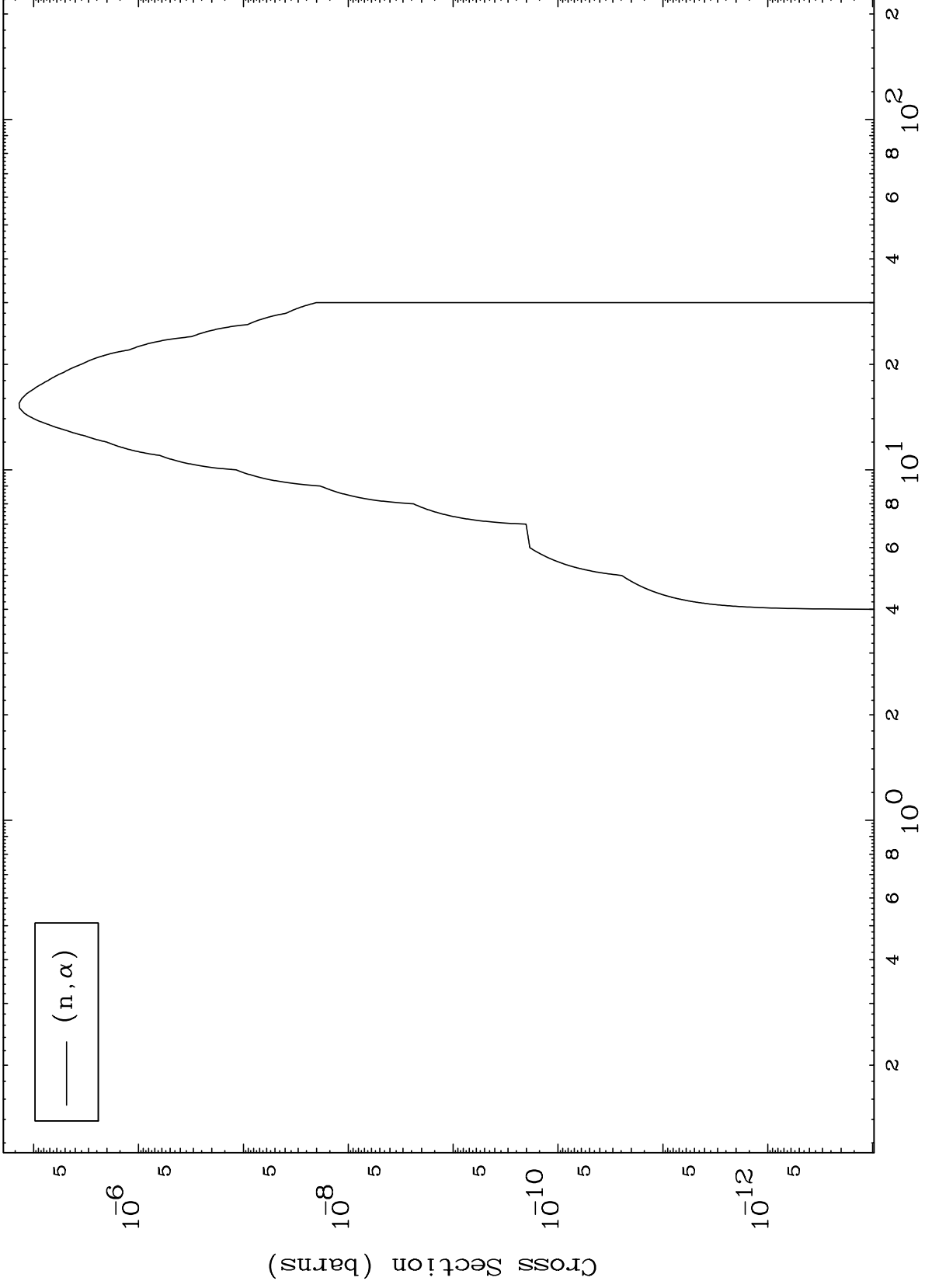


MAT 5543

( $\gamma, \alpha$ ) Levels

55-Cs-139

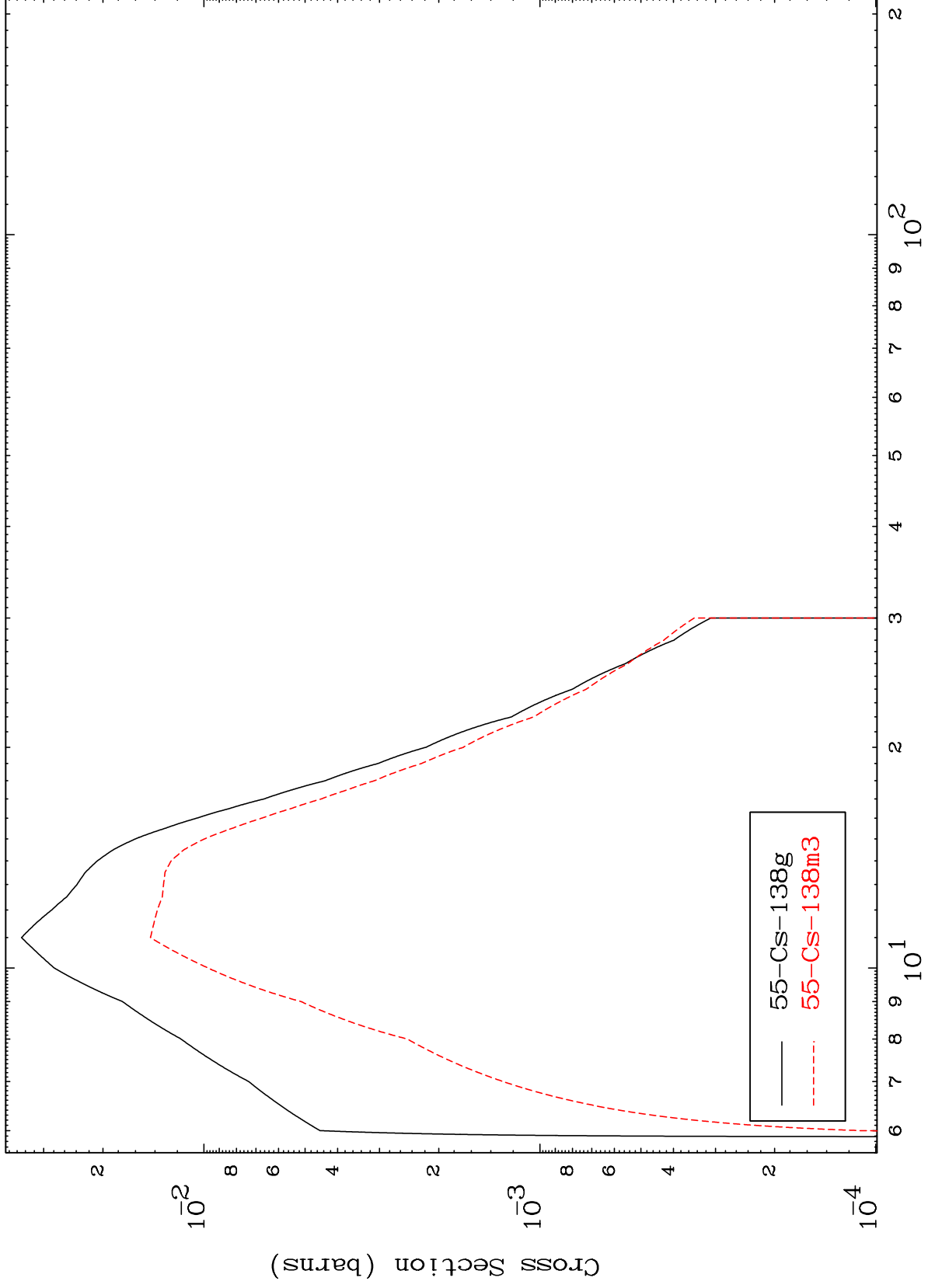
0 Kelvin Cross Sections



MAT 5543

Inelastic  
Radionuclide Production Cross Section

55-Cs-139



10

Incident Energy (MeV)

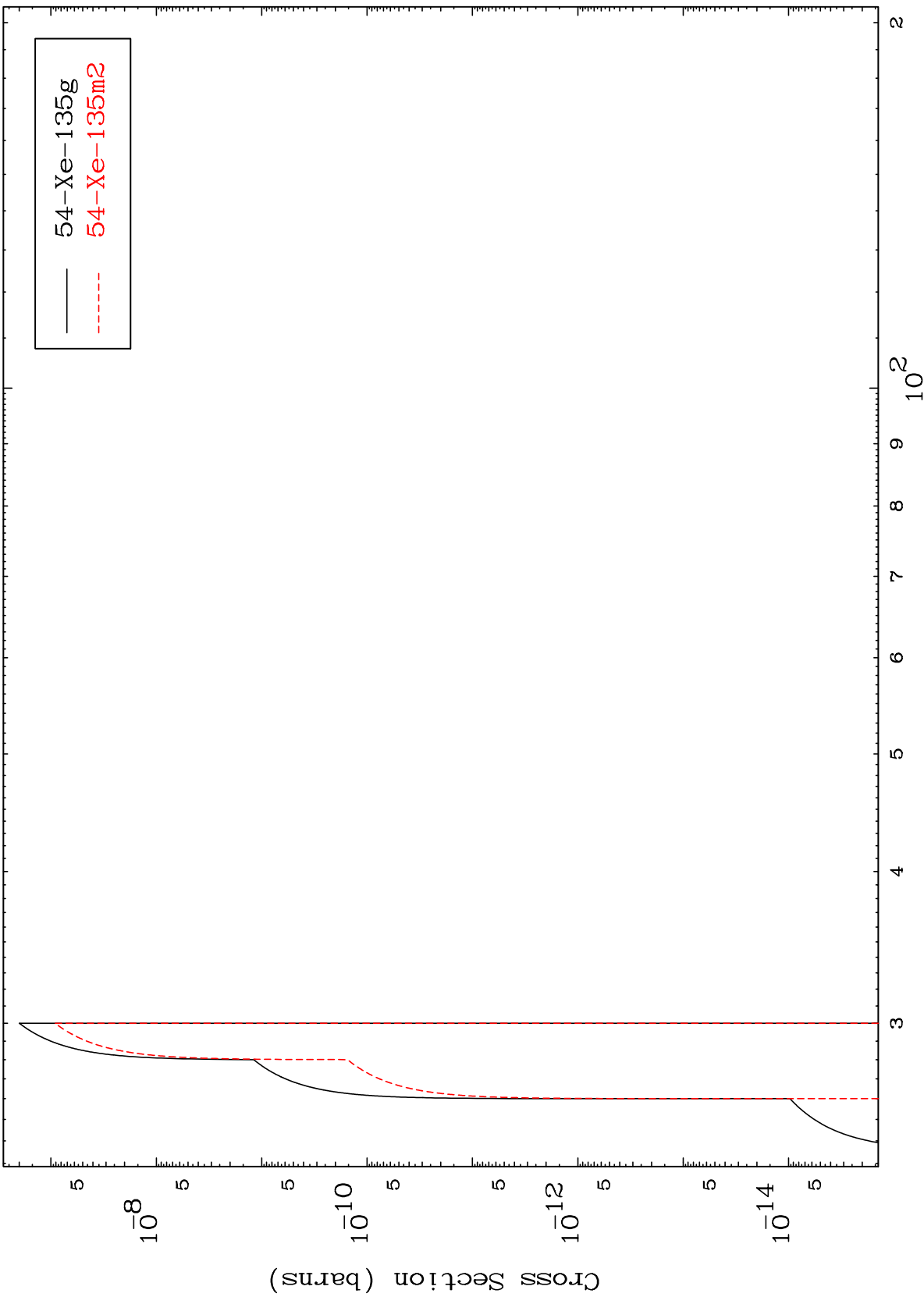
55-Cs-139

MAT 5543

(n,2n) d

55-Cs-139

Radionuclide Production Cross Section



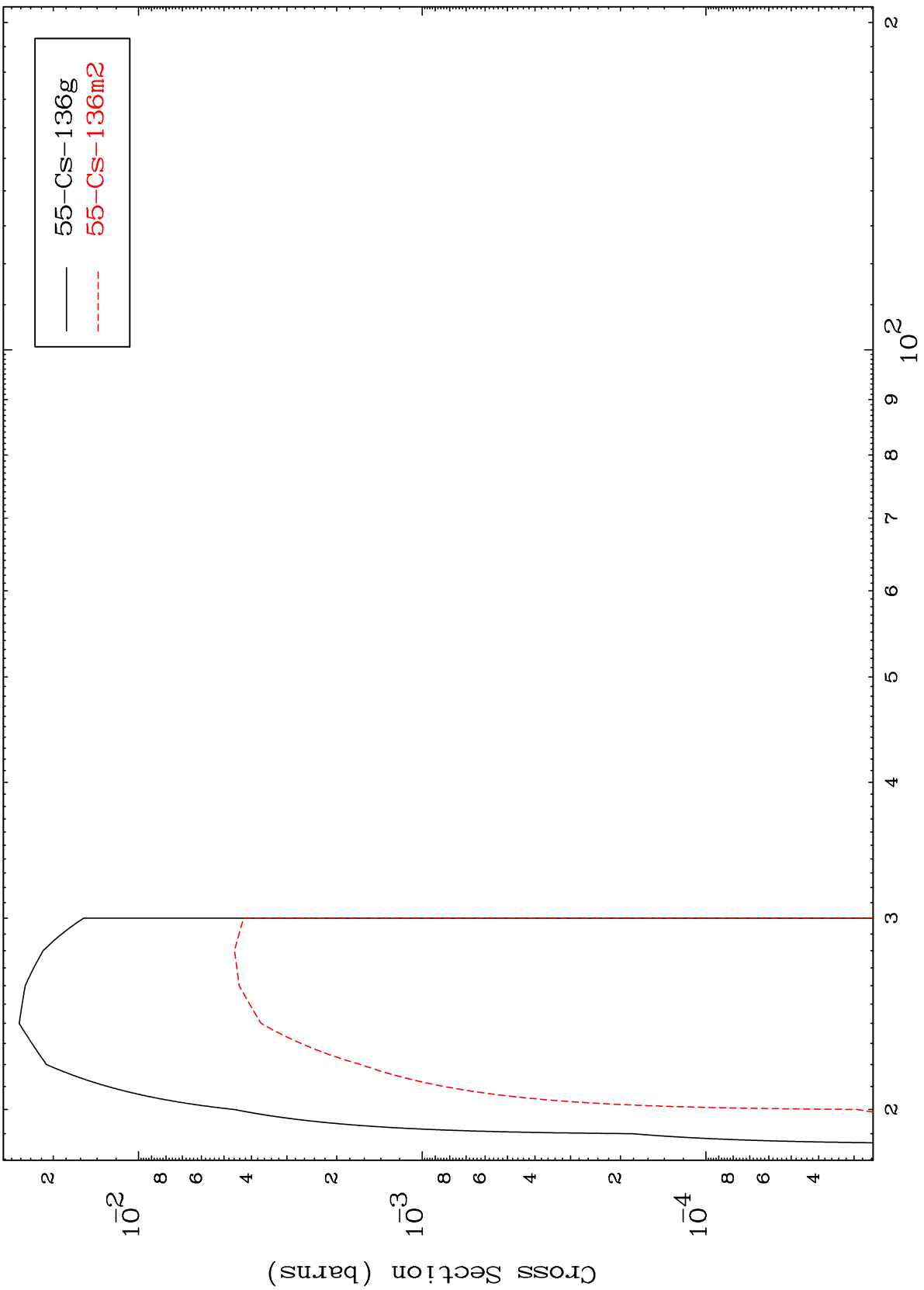
54-Xe-135g  
54-Xe-135m2

MAT 5543

55-Cs-139

(n,3n)

Radionuclide Production Cross Section



12

Incident Energy (MeV)

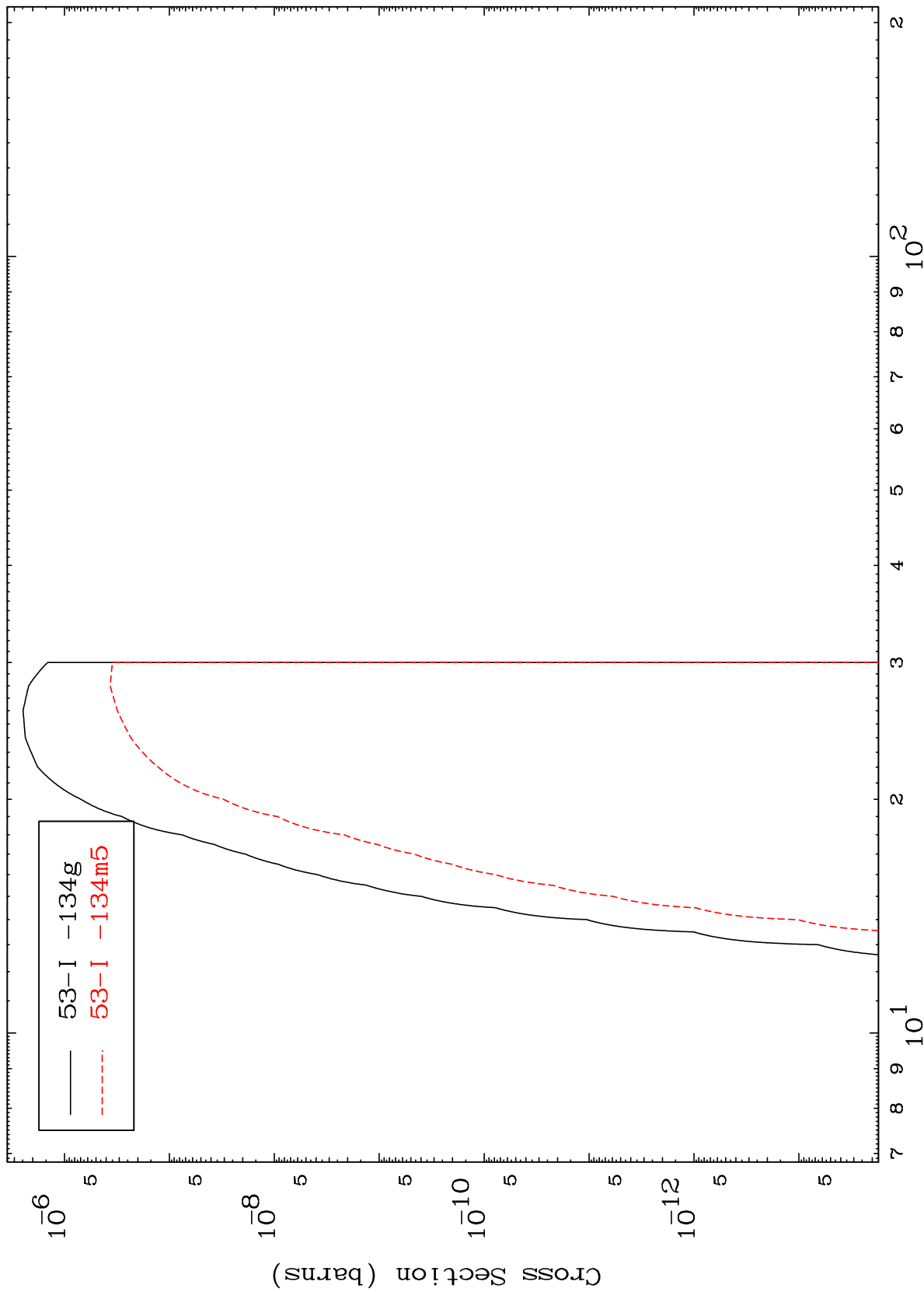
55-Cs-139

MAT 5543

(n,n')  $\alpha$

55-Cs-139

Radionuclide Production Cross Section



— 53-I -134g  
- - - 53-I -134m5

13

Incident Energy (MeV)

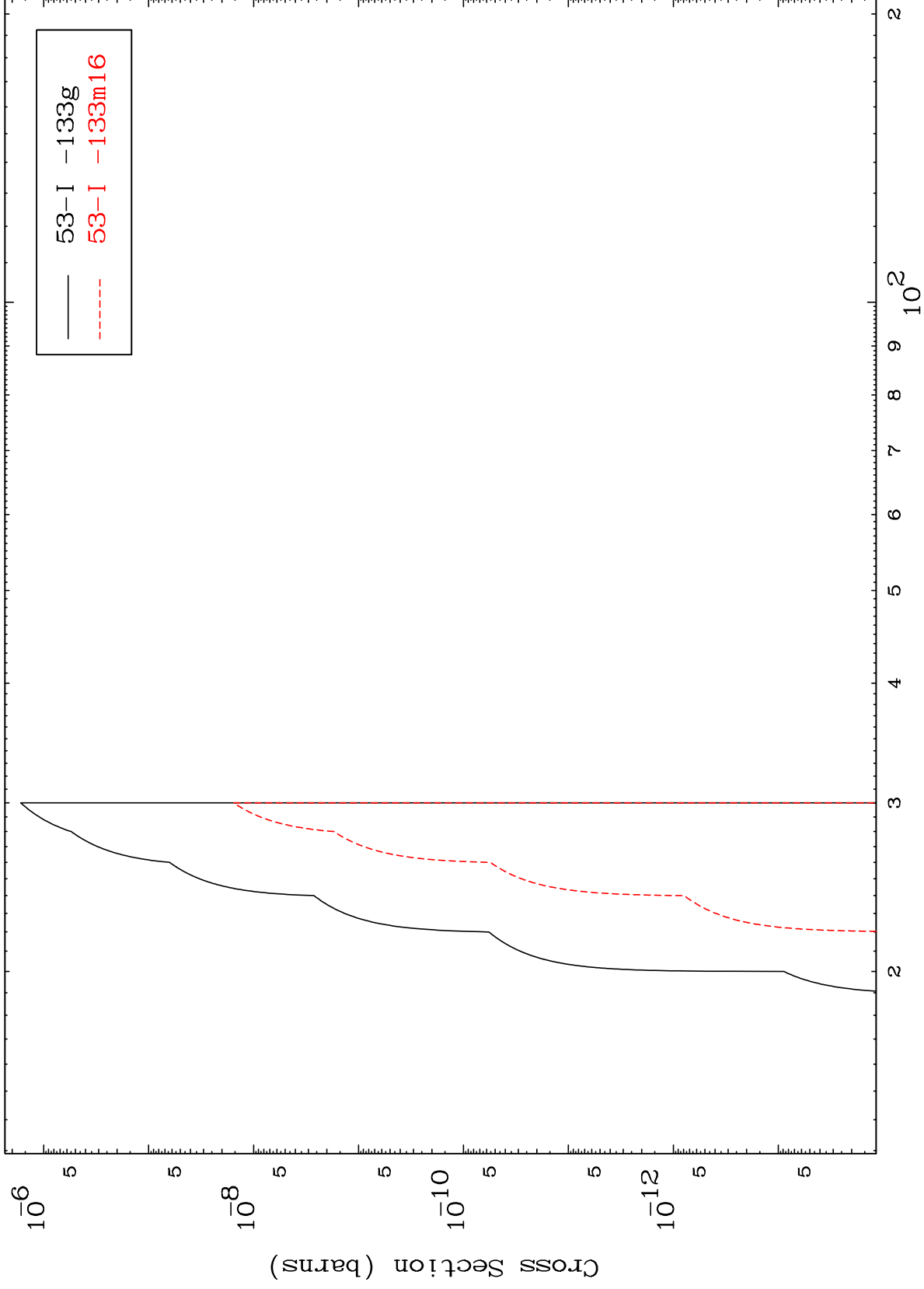
55-Cs-139

MAT 5543

(n,2n)  $\alpha$

55-Cs-139

Radionuclide Production Cross Section



14

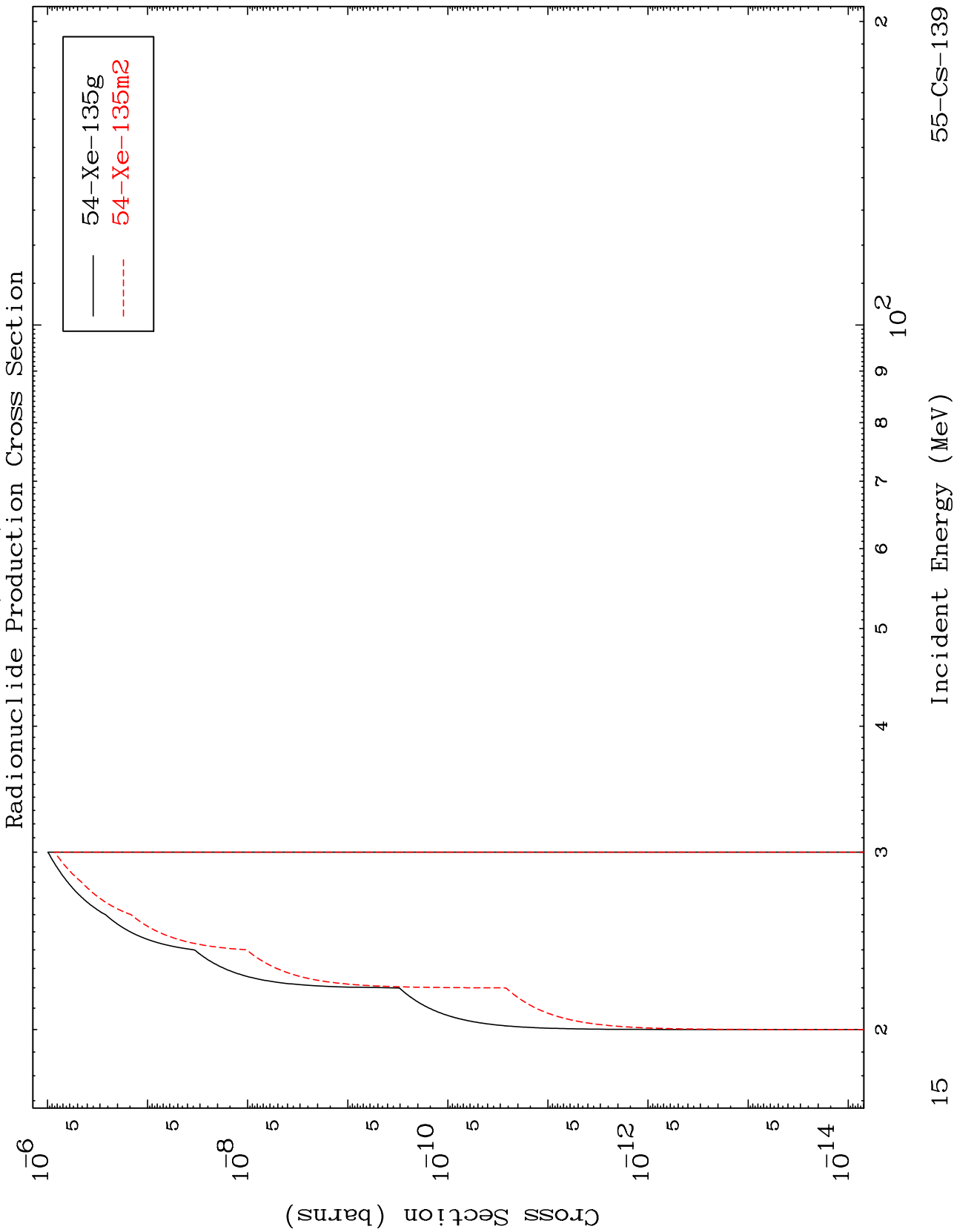
Incident Energy (MeV)

55-Cs-139

MAT 5543

(n,n') t

55-Cs-139



15

Incident Energy (MeV)

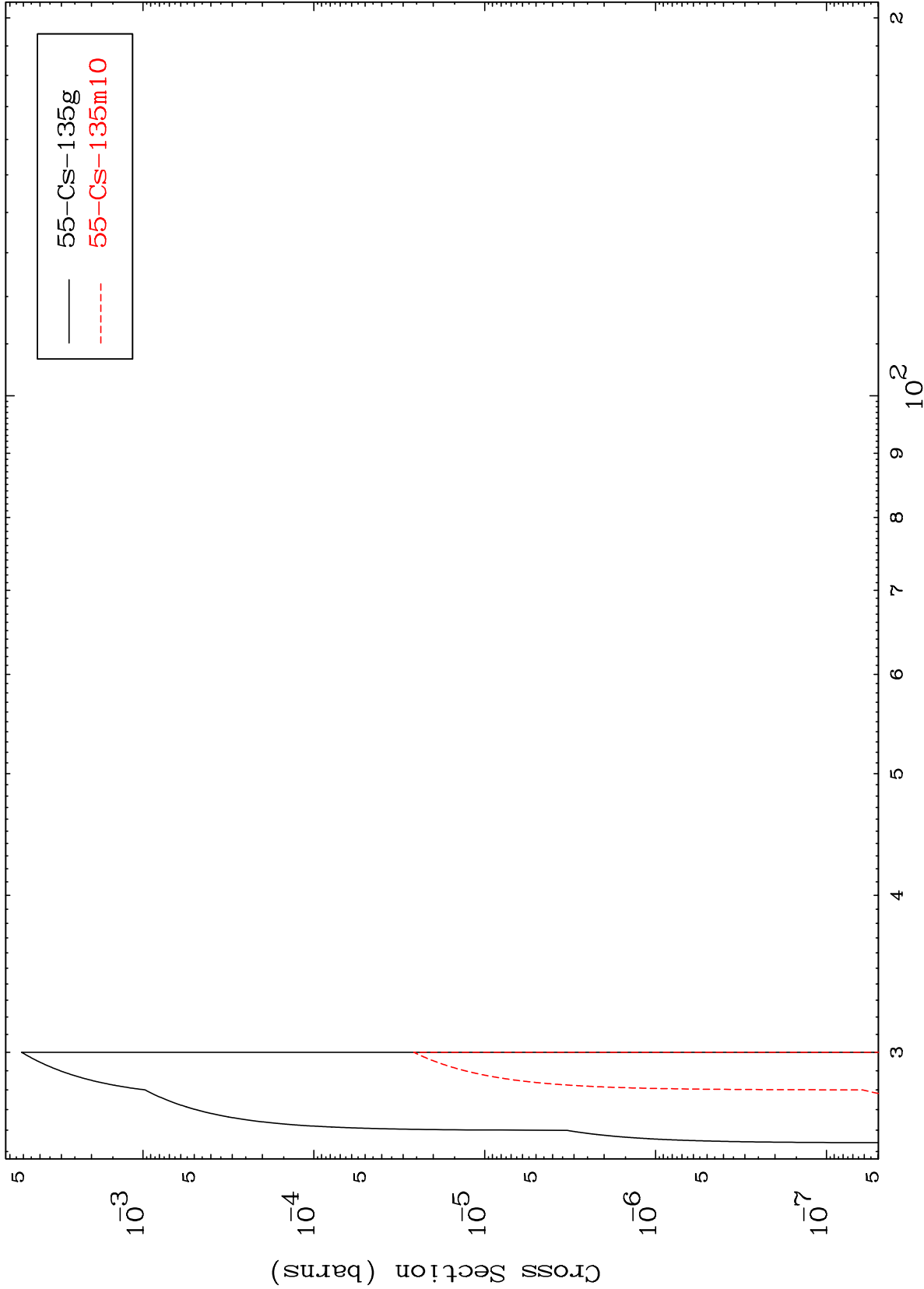
55-Cs-139



MAT 5543

55-Cs-139

(n,4n)  
Radionuclide Production Cross Section



16

55-Cs-139

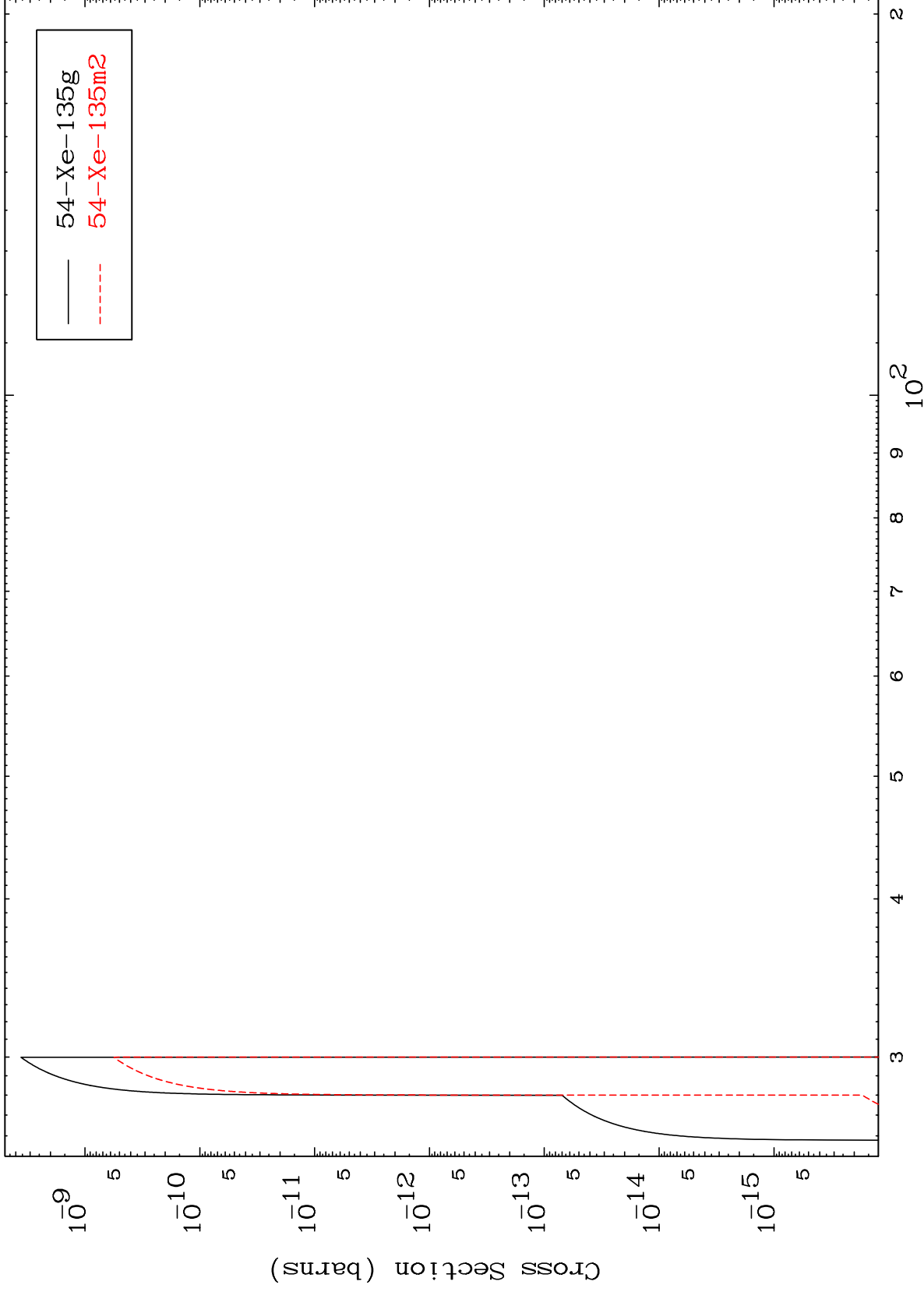
Incident Energy (MeV)

MAT 5543

(n,3n) p

55-Cs-139

Radionuclide Production Cross Section



17

Incident Energy (MeV)

55-Cs-139