

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

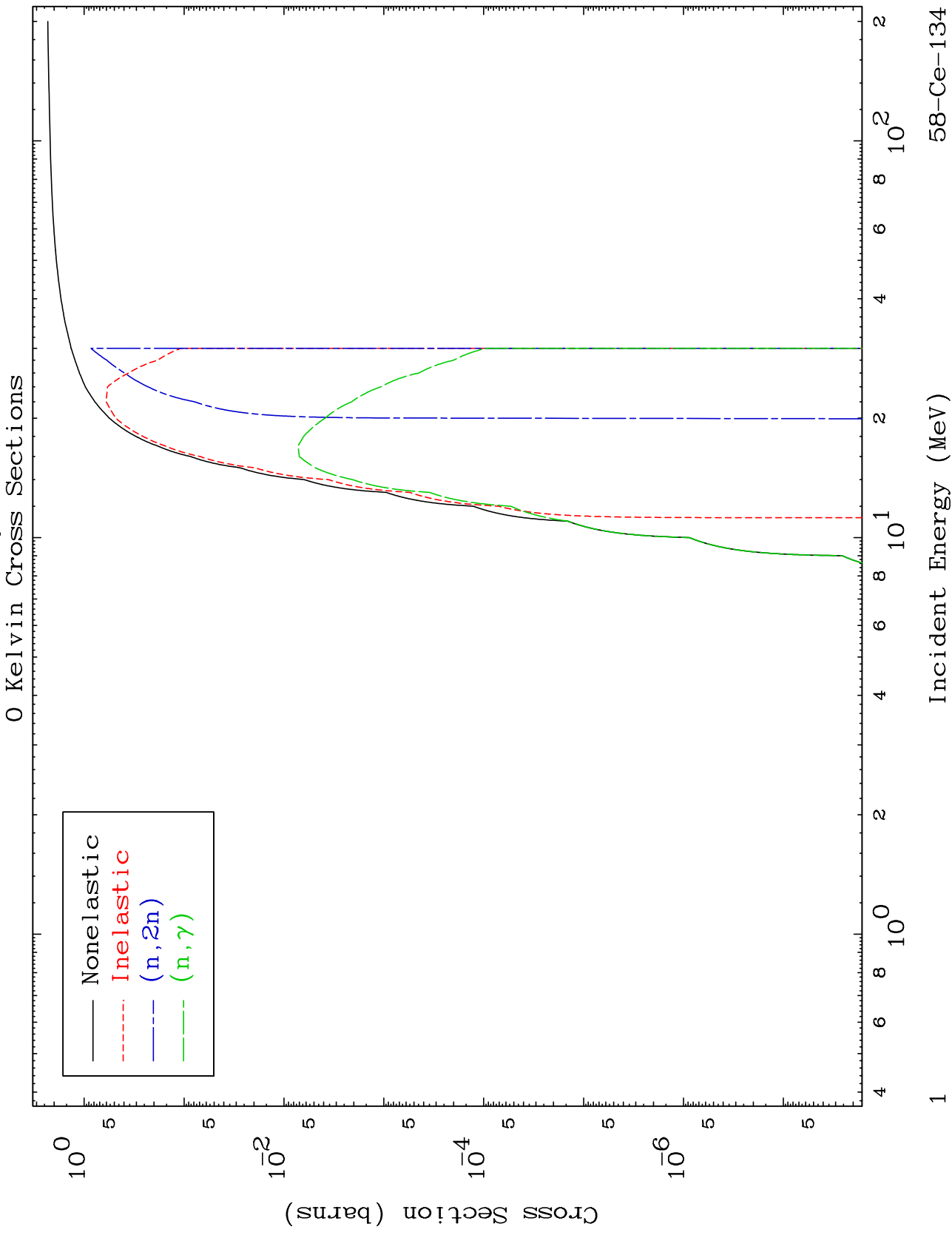
Press Mouse Button to Start

MAT 5819

0 Kelvin

$\alpha$  Major

58-Ce-134



1

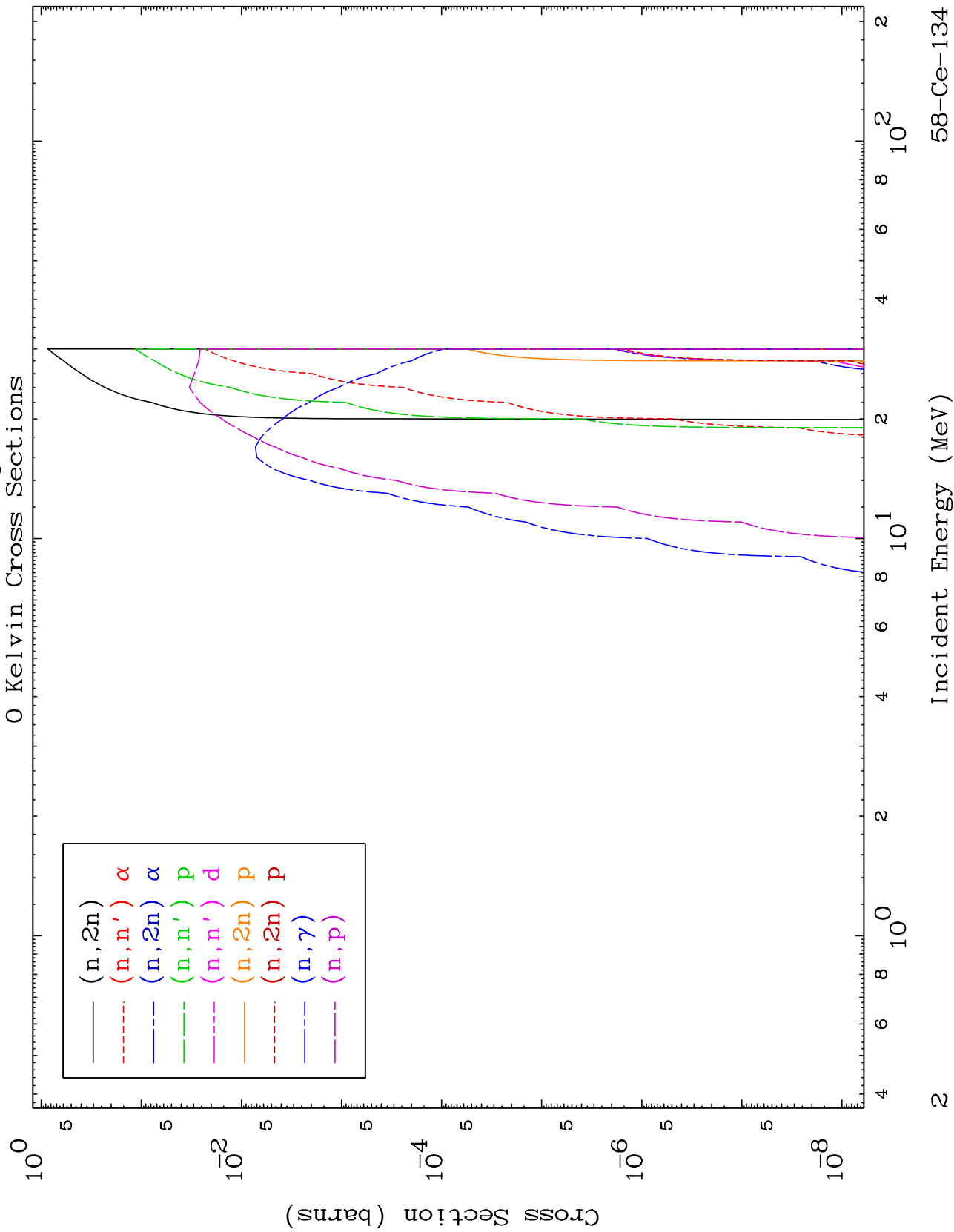
Incident Energy (MeV)

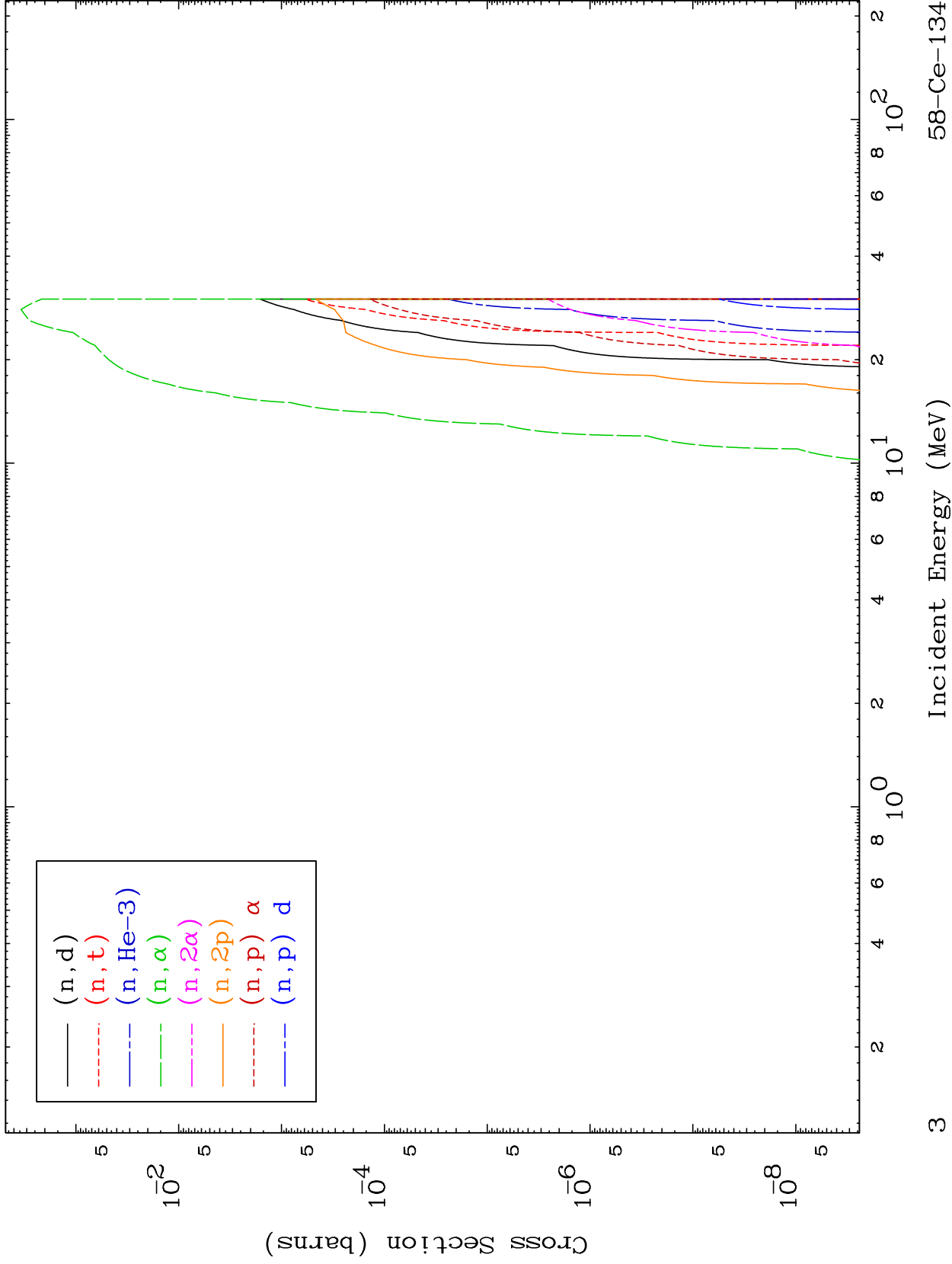
58-Ce-134

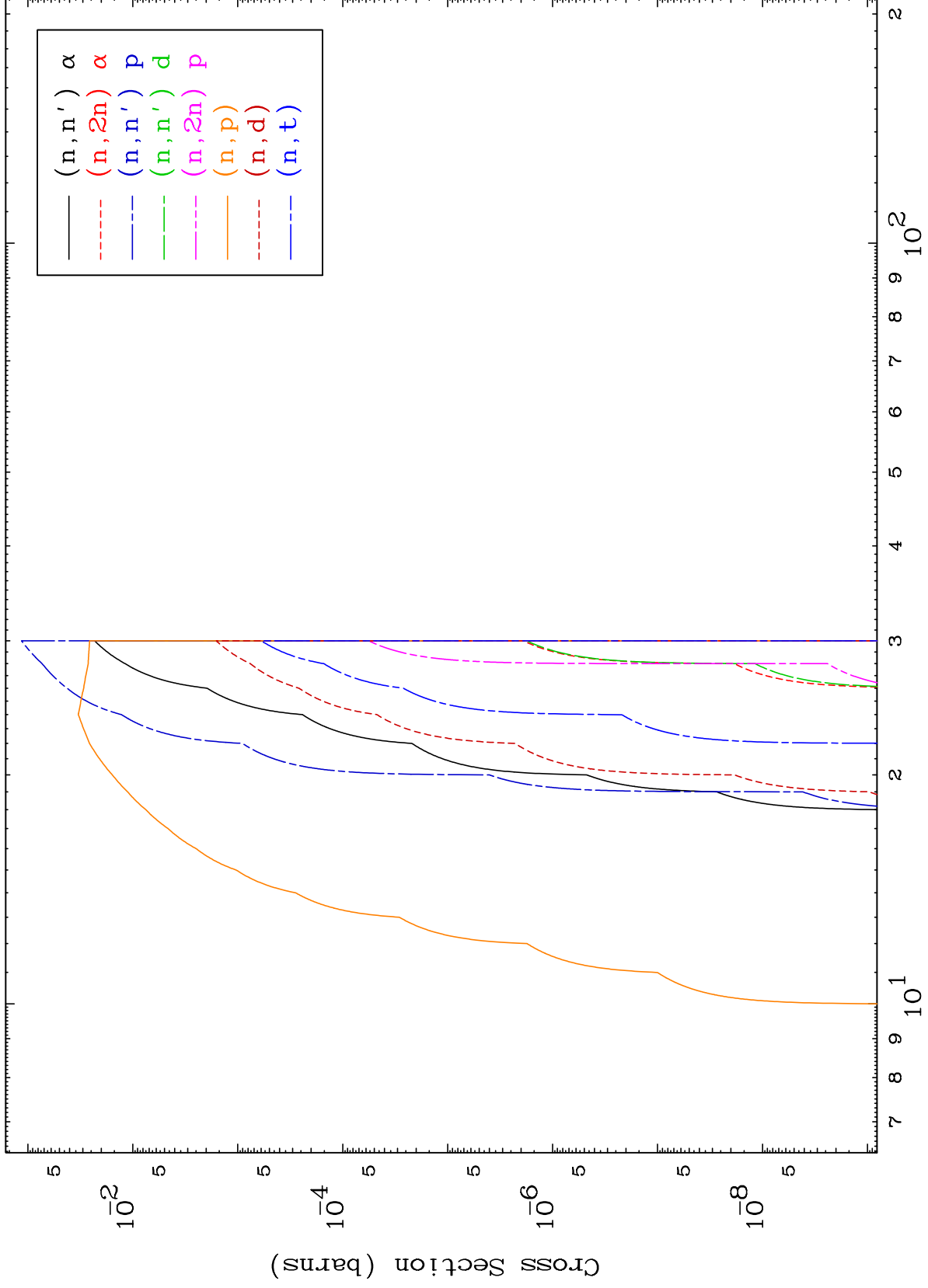
MAT 5819

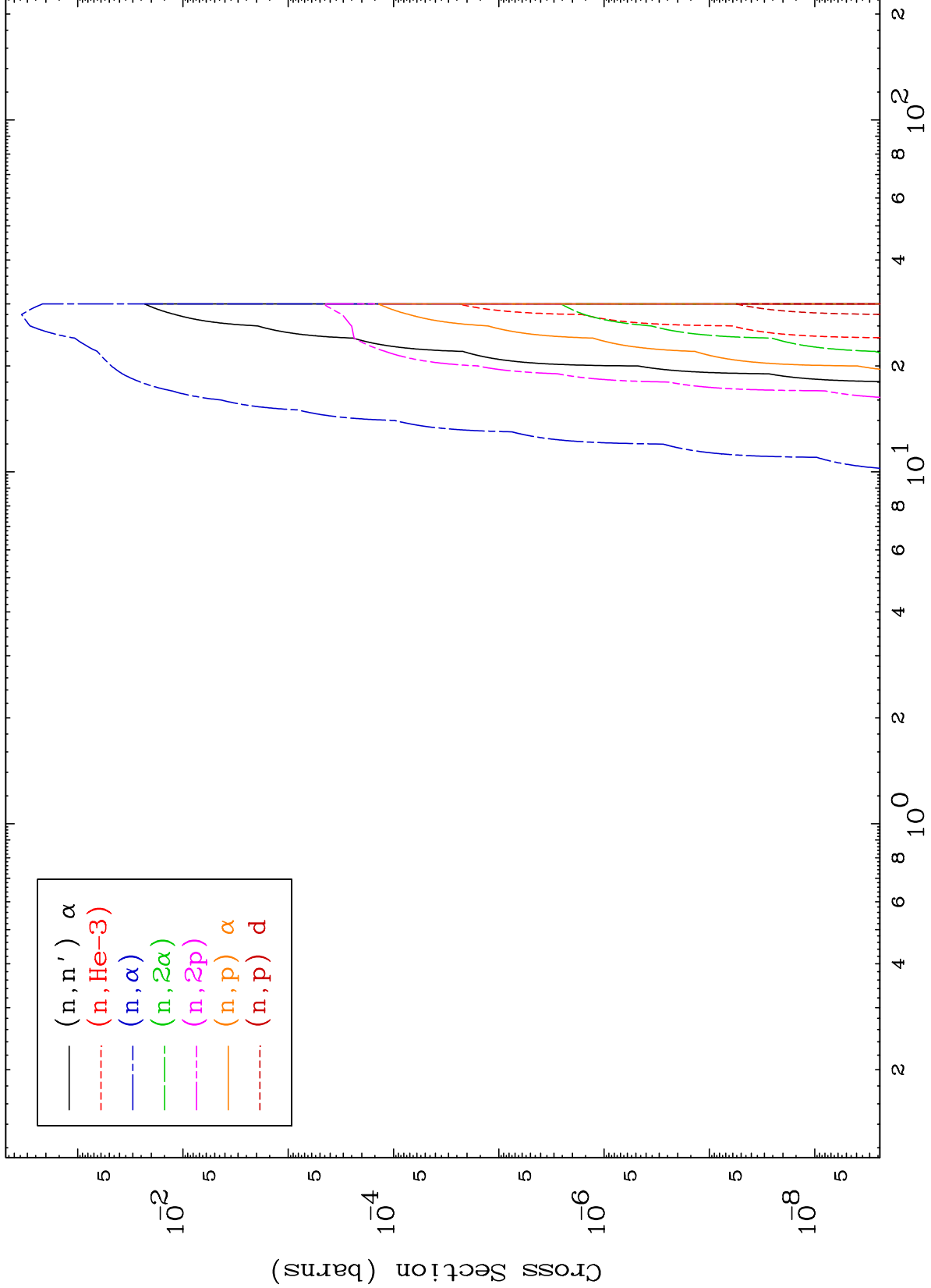
$\alpha$  Neutron Absorption

58-Ce-134





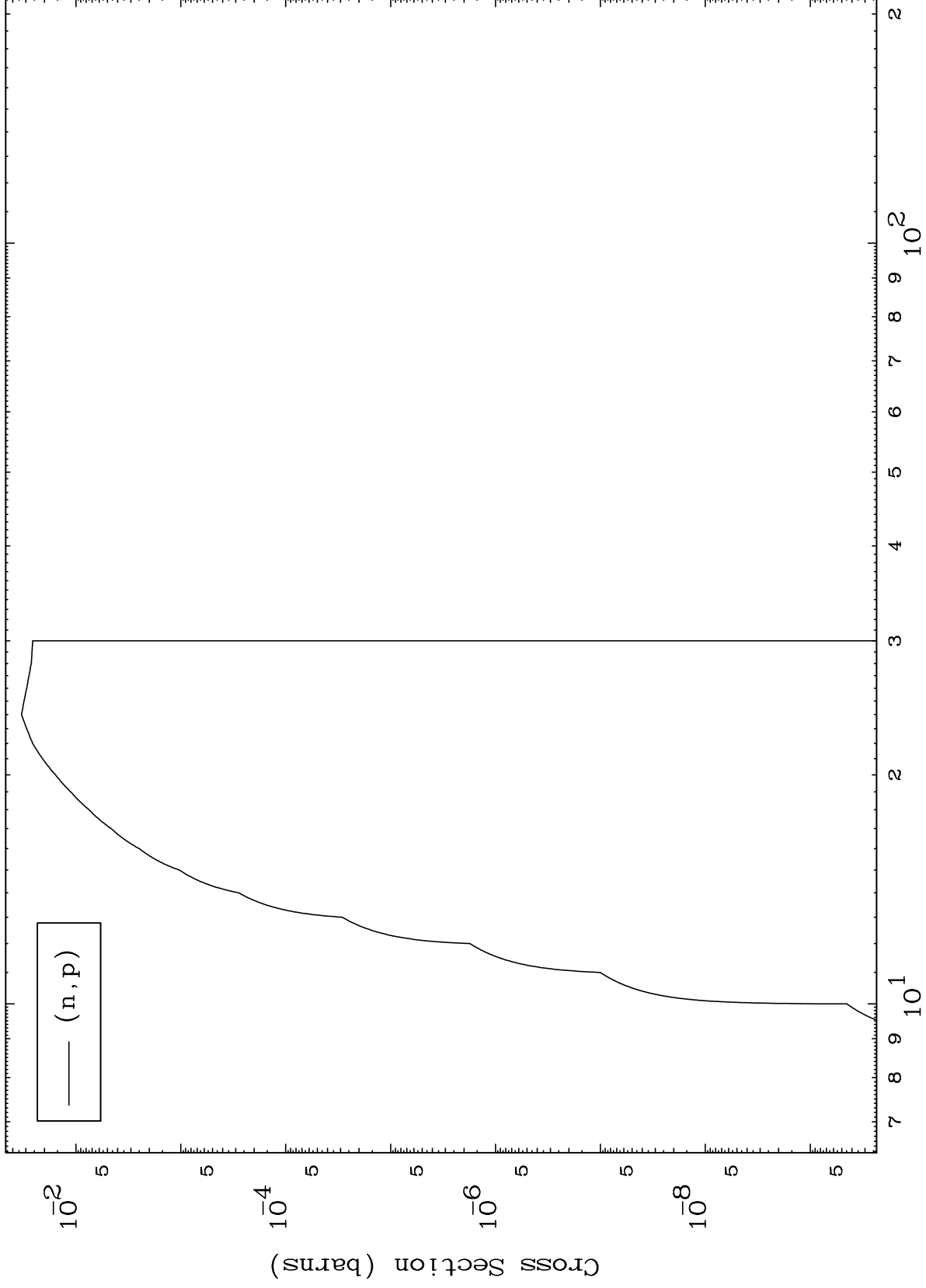




MAT 5819

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

58-Ce-134



6

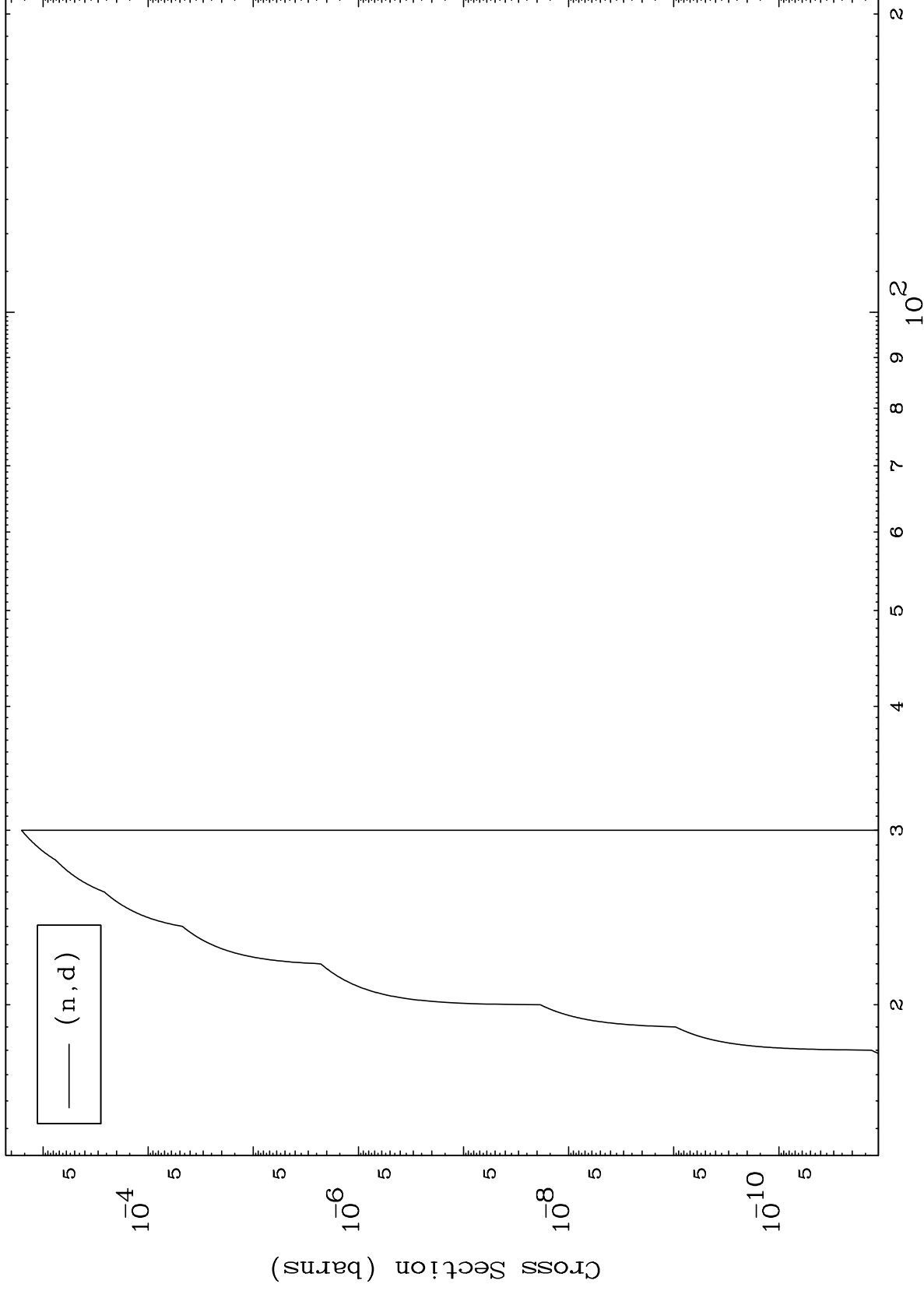
Incident Energy (MeV)

58-Ce-134

MAT 5819

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

58-Ce-134

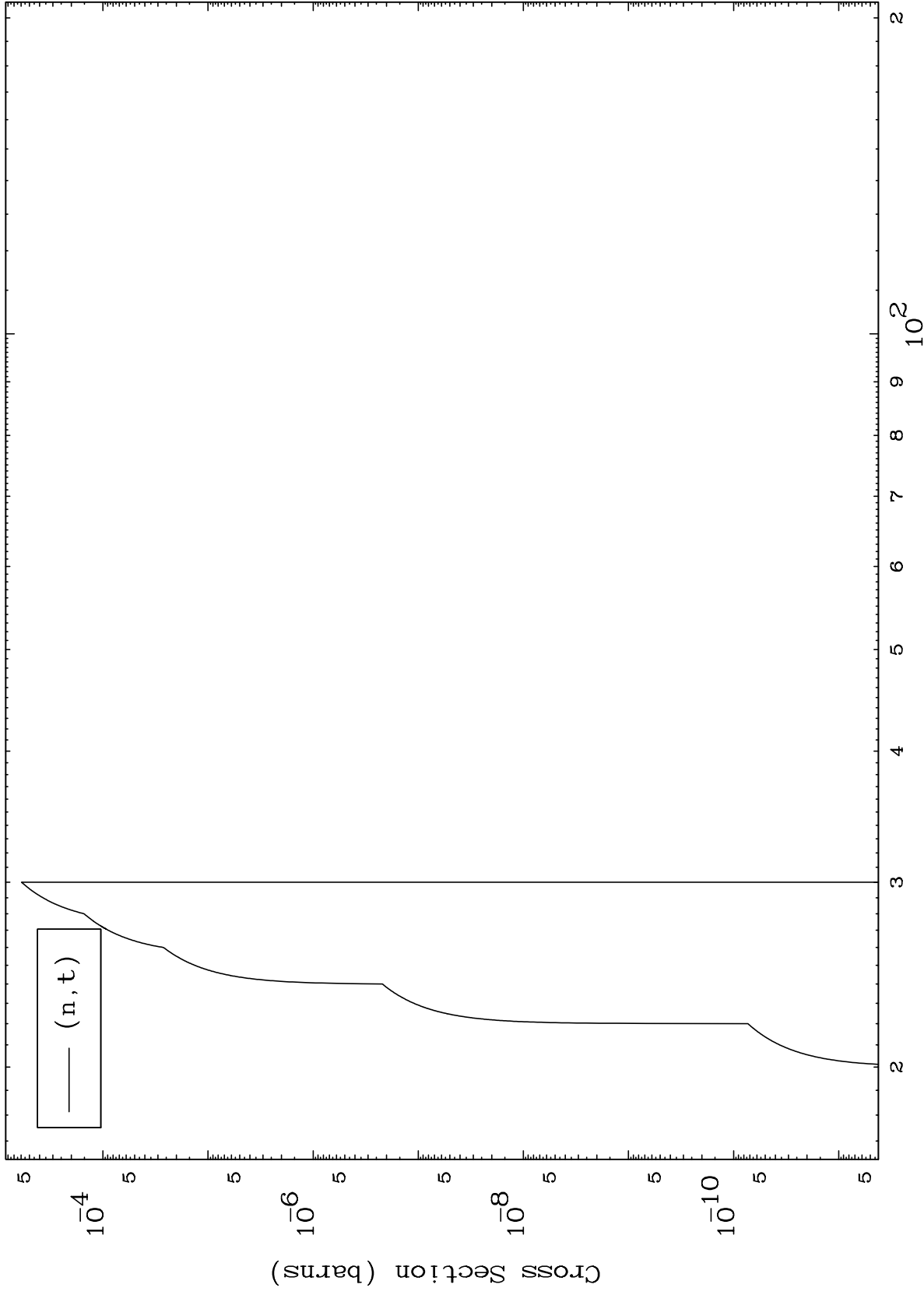


7

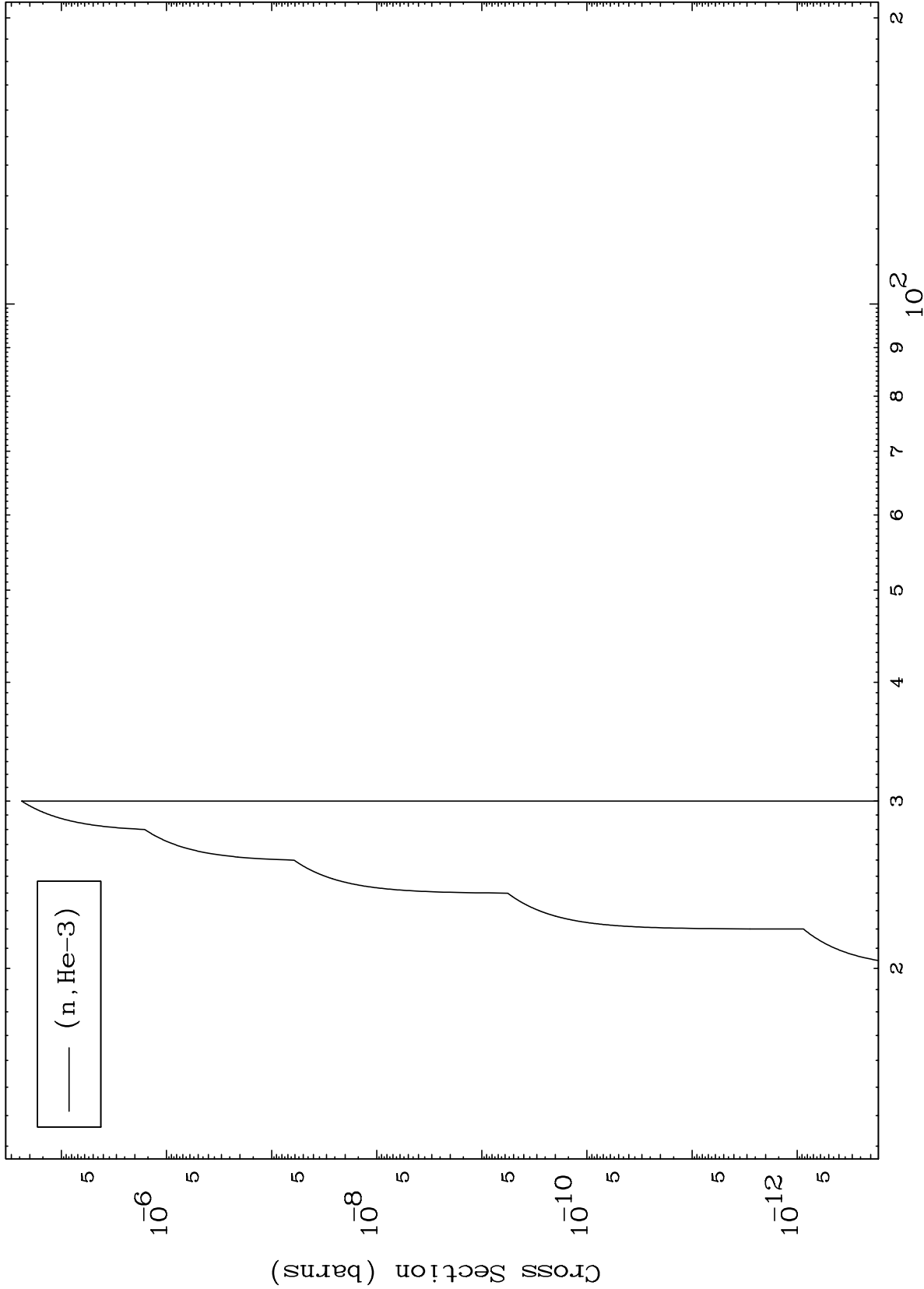
Incident Energy (MeV)

58-Ce-134





( $\alpha, \text{He3}$ ) Levels  
0 Kelvin Cross Sections

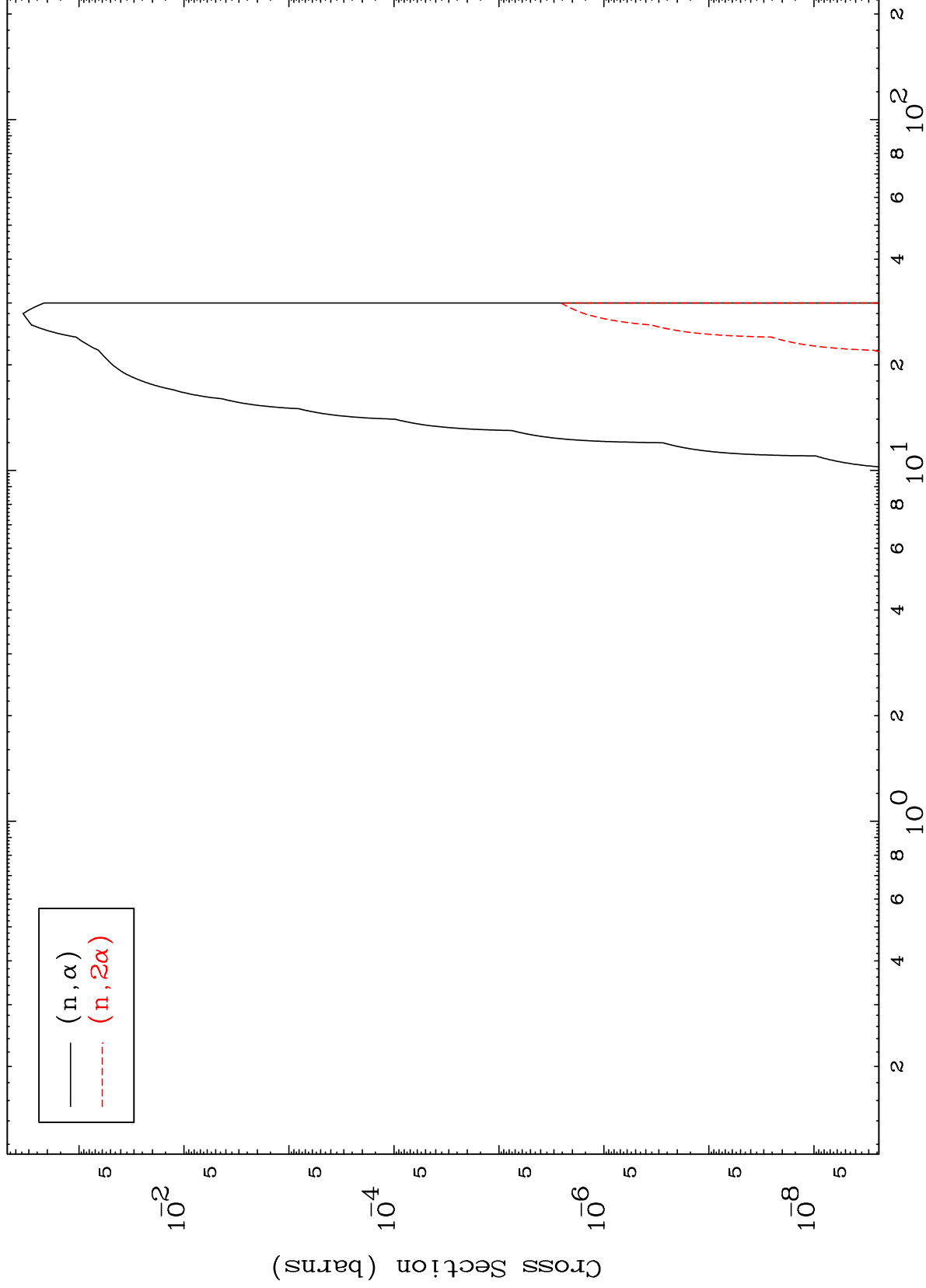


MAT 5819

( $\alpha, \alpha$ ) Levels

58-Ce-134

0 Kelvin Cross Sections

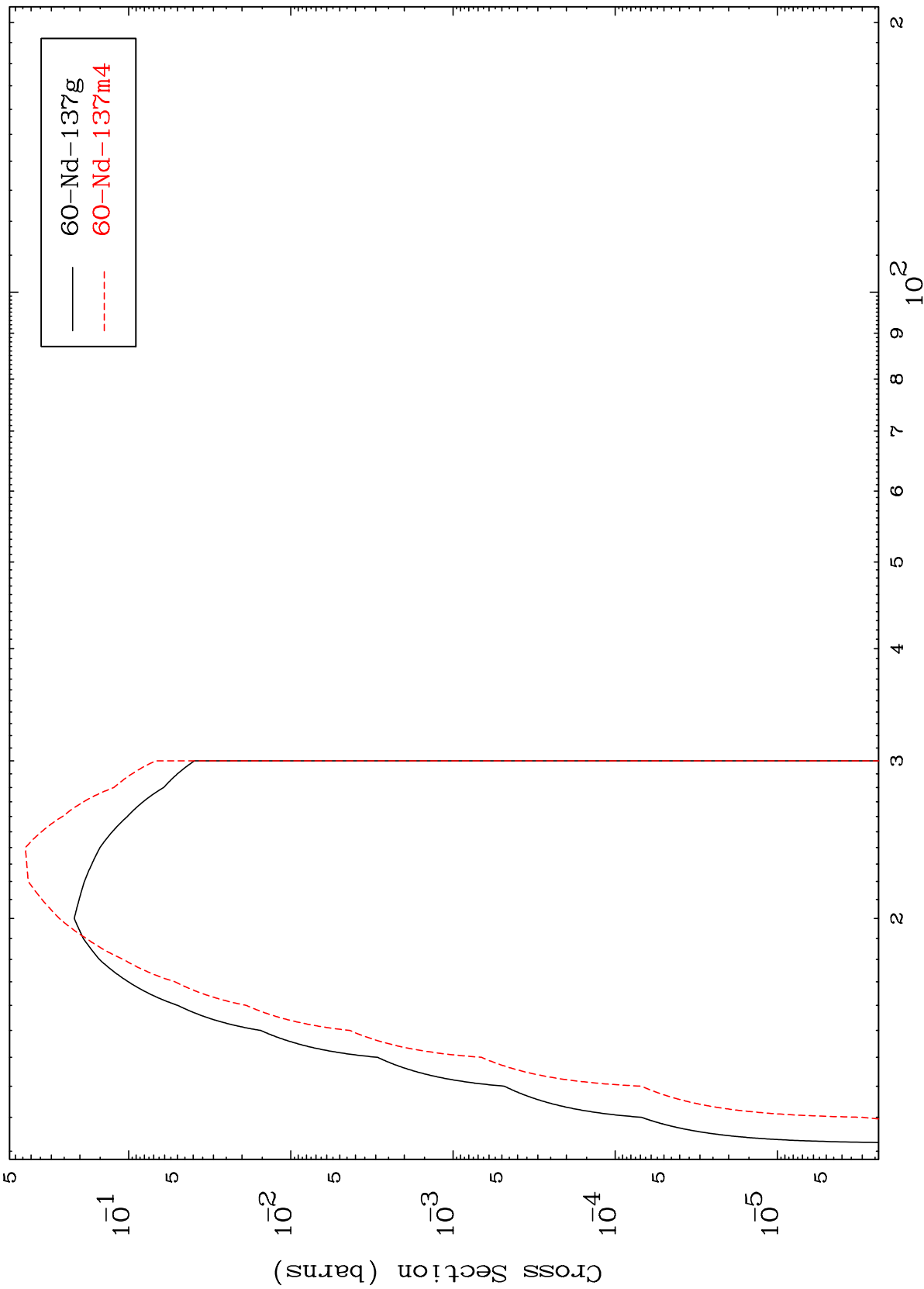


10

Incident Energy (MeV)

58-Ce-134

Inelastic  
Radionuclide Production Cross Section

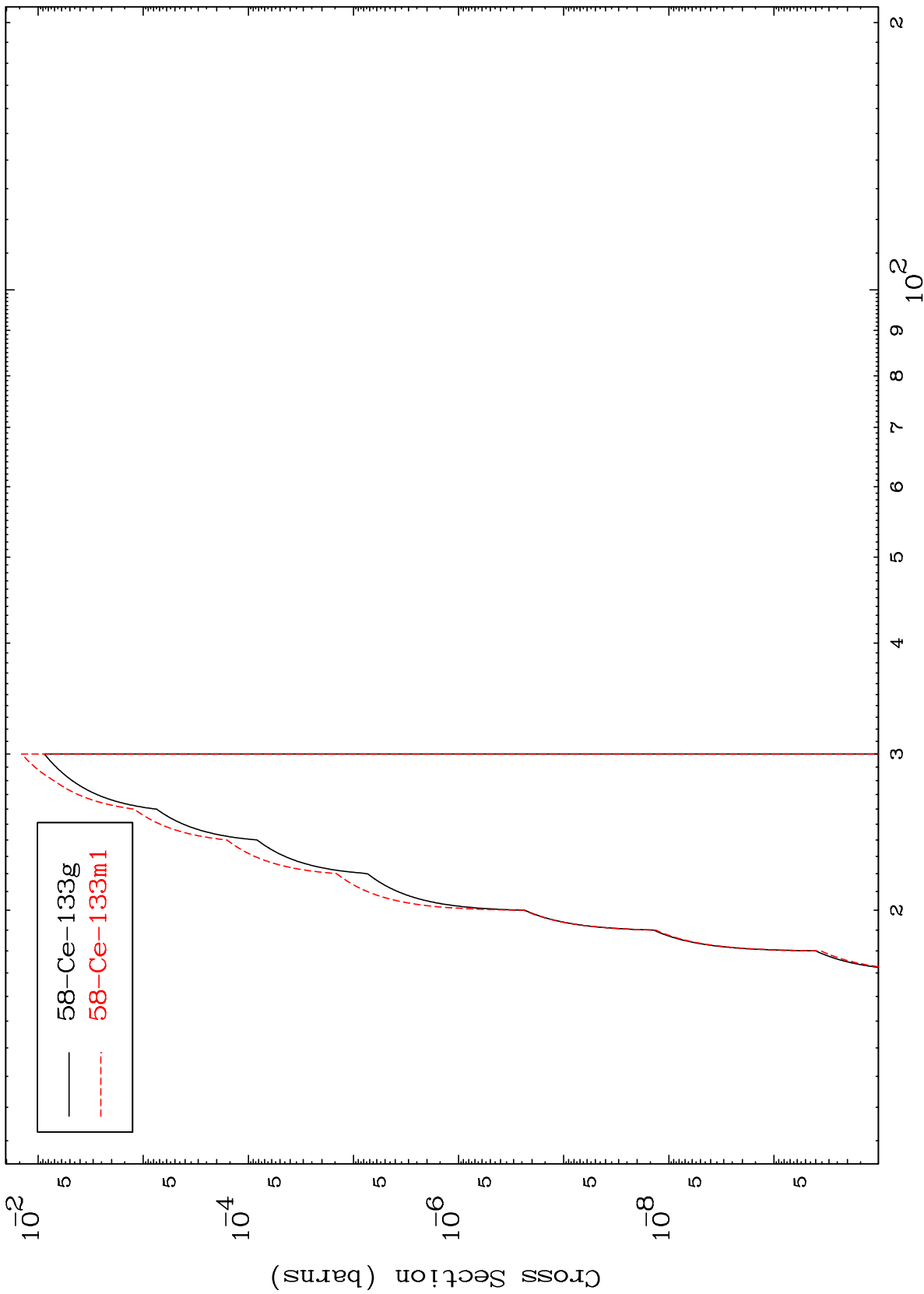


MAT 5819

(n,n')  $\alpha$

58-Ce-134

Radionuclide Production Cross Section



12

Incident Energy (MeV)

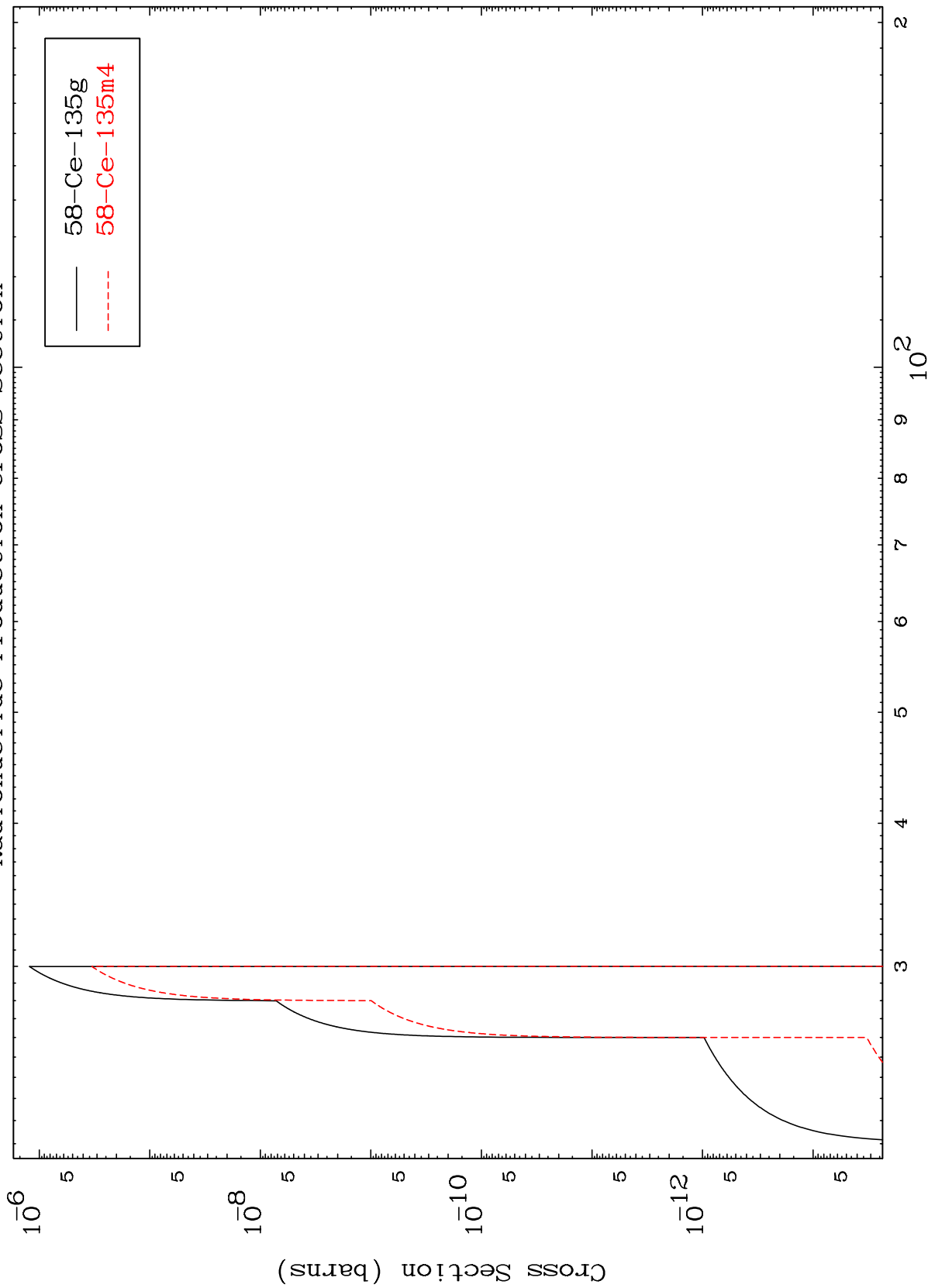
58-Ce-134

MAT 5819

58-Ce-134

(n,2n) p

Radionuclide Production Cross Section



13

Incident Energy (MeV)

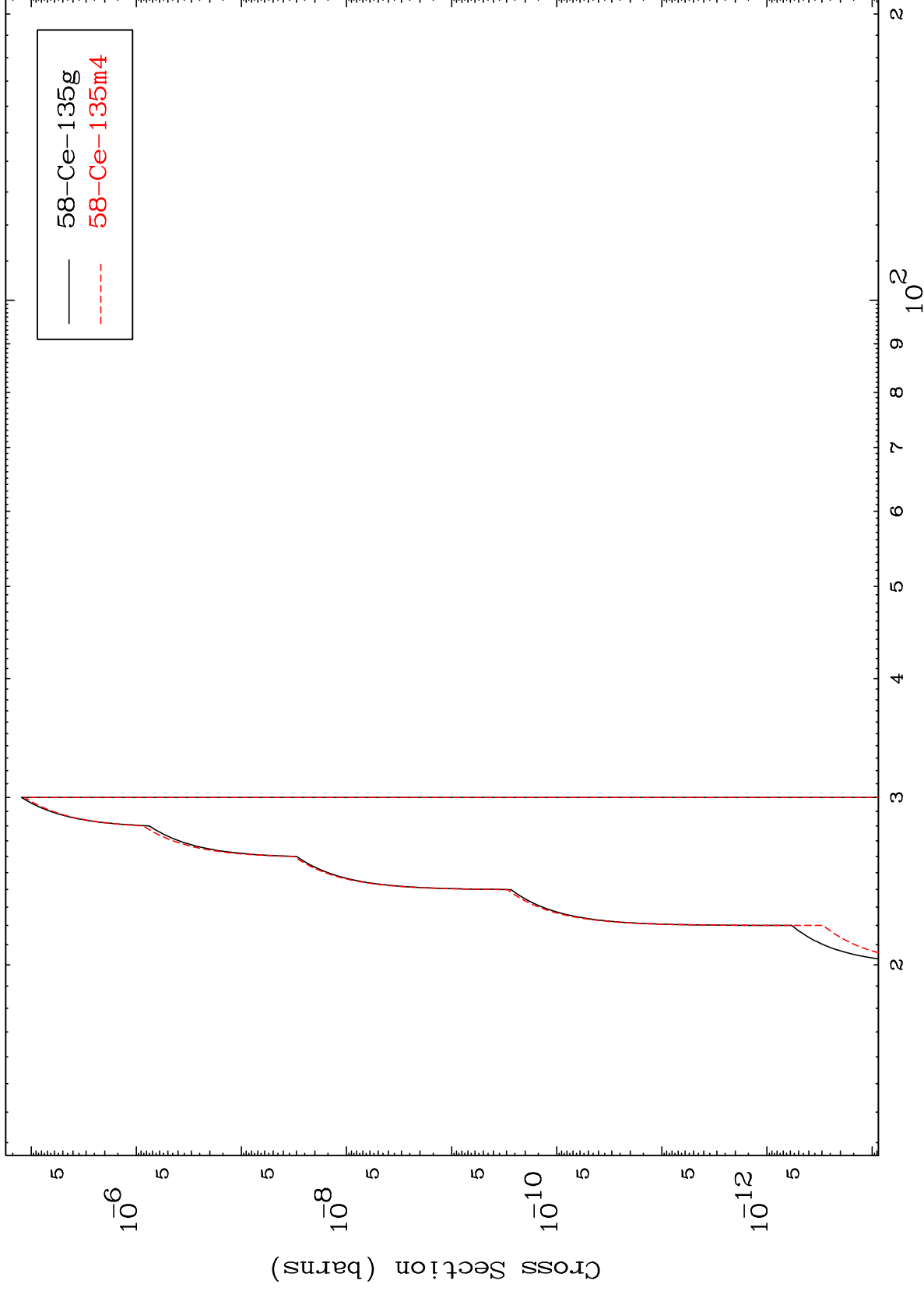
58-Ce-134

MAT 5819

(n,He-3)

58-Ce-134

Radionuclide Production Cross Section



14

Incident Energy (MeV)

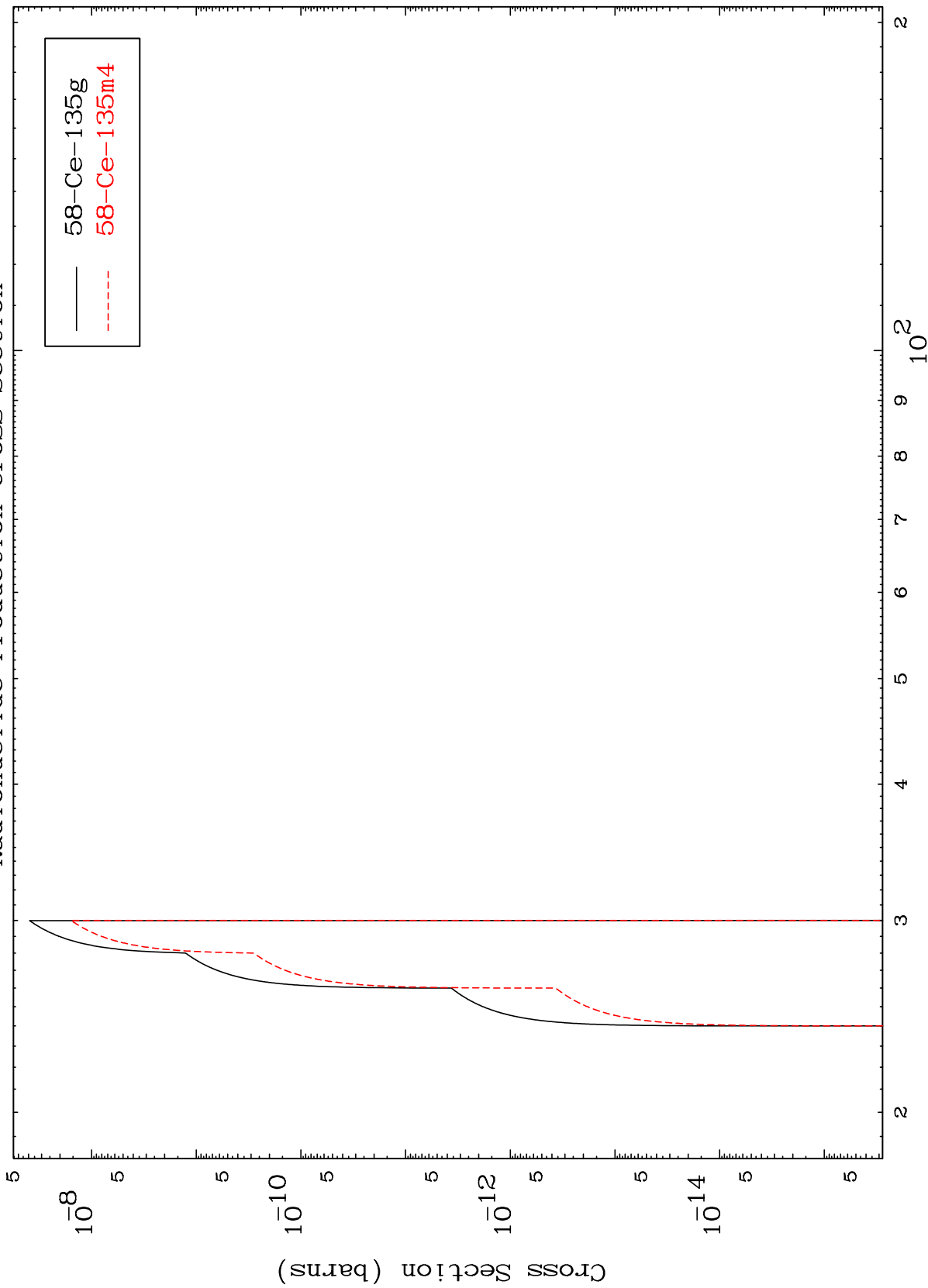
58-Ce-134

MAT 5819

(n,p) d

58-Ce-134

Radionuclide Production Cross Section



15

Incident Energy (MeV)

58-Ce-134