

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

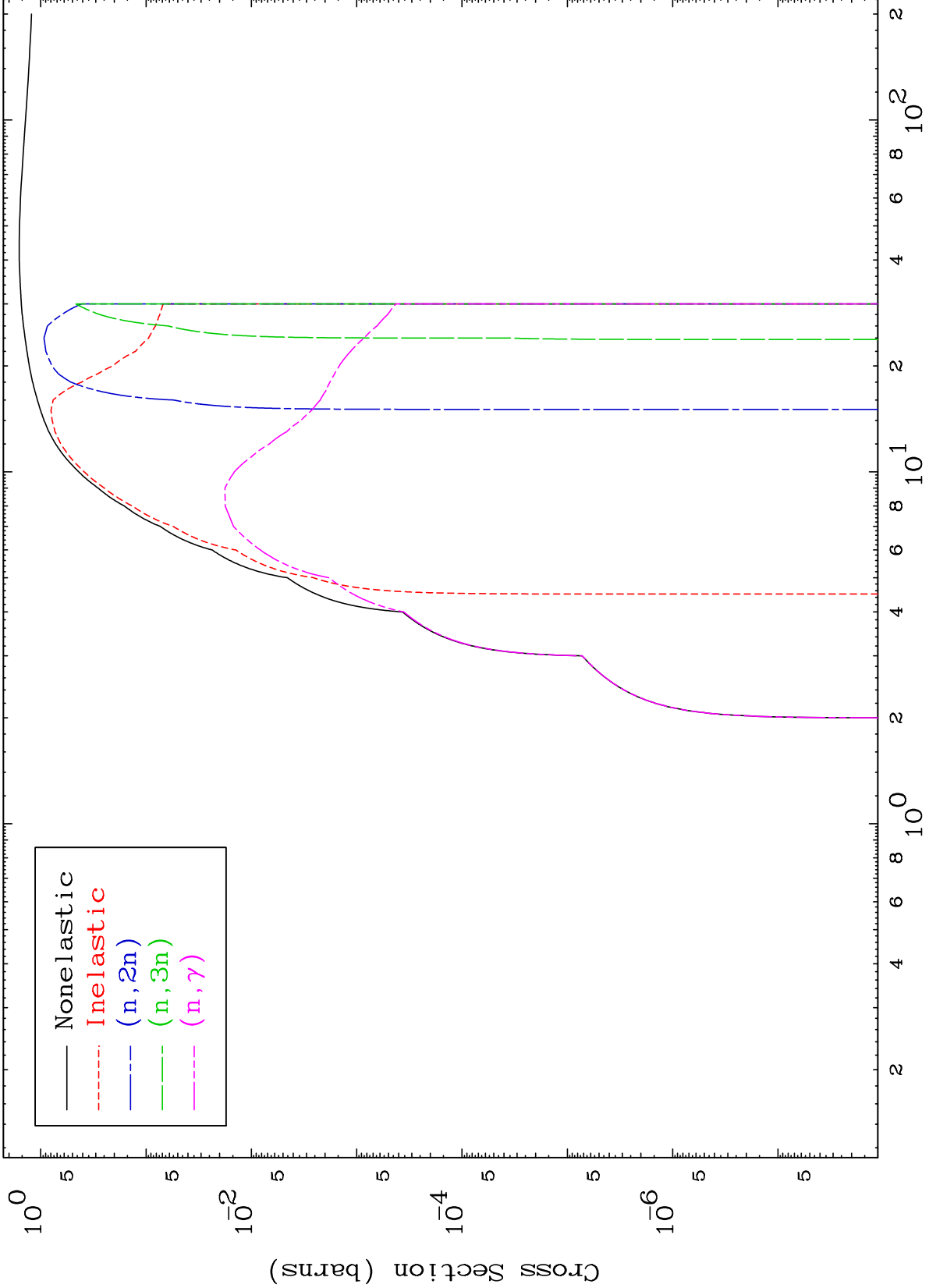
Press Mouse Button to Start

MAT 5822

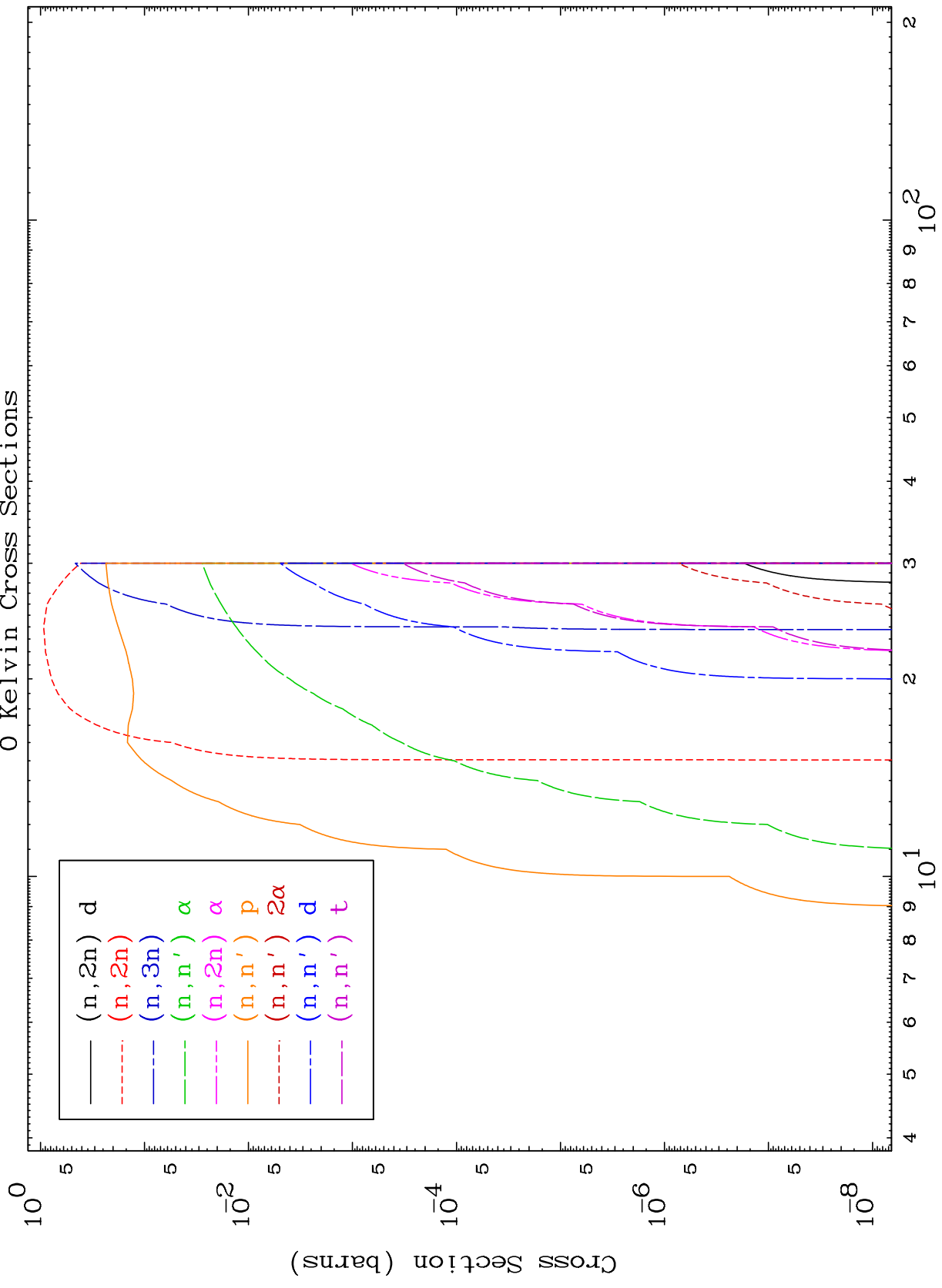
Proton Major

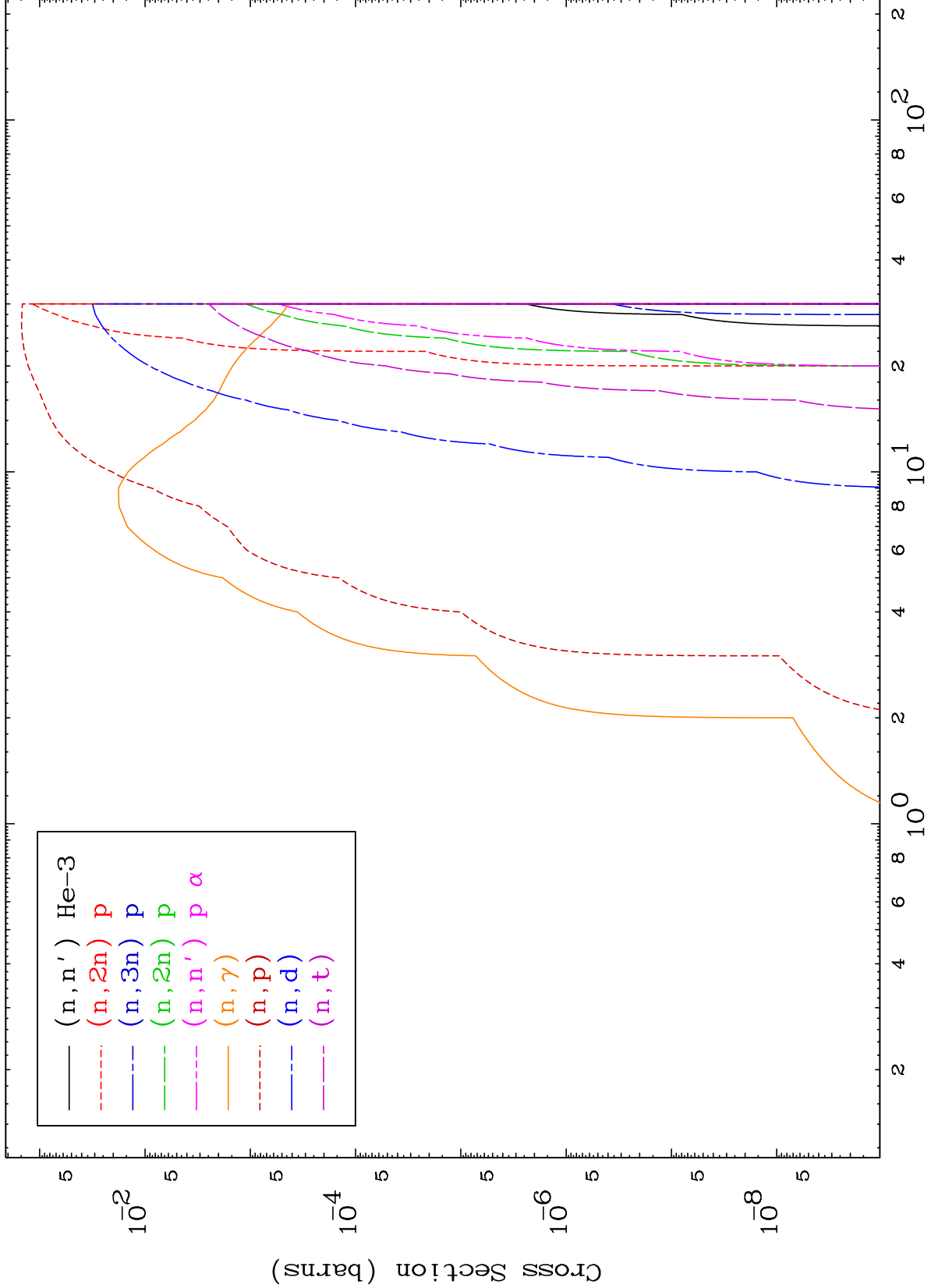
58-Ce-135

0 Kelvin Cross Sections



Legend:  
— Nonelastic  
- - - Inelastic  
- - - (n, 2n)  
- - - (n, 3n)  
- - - (n, γ)

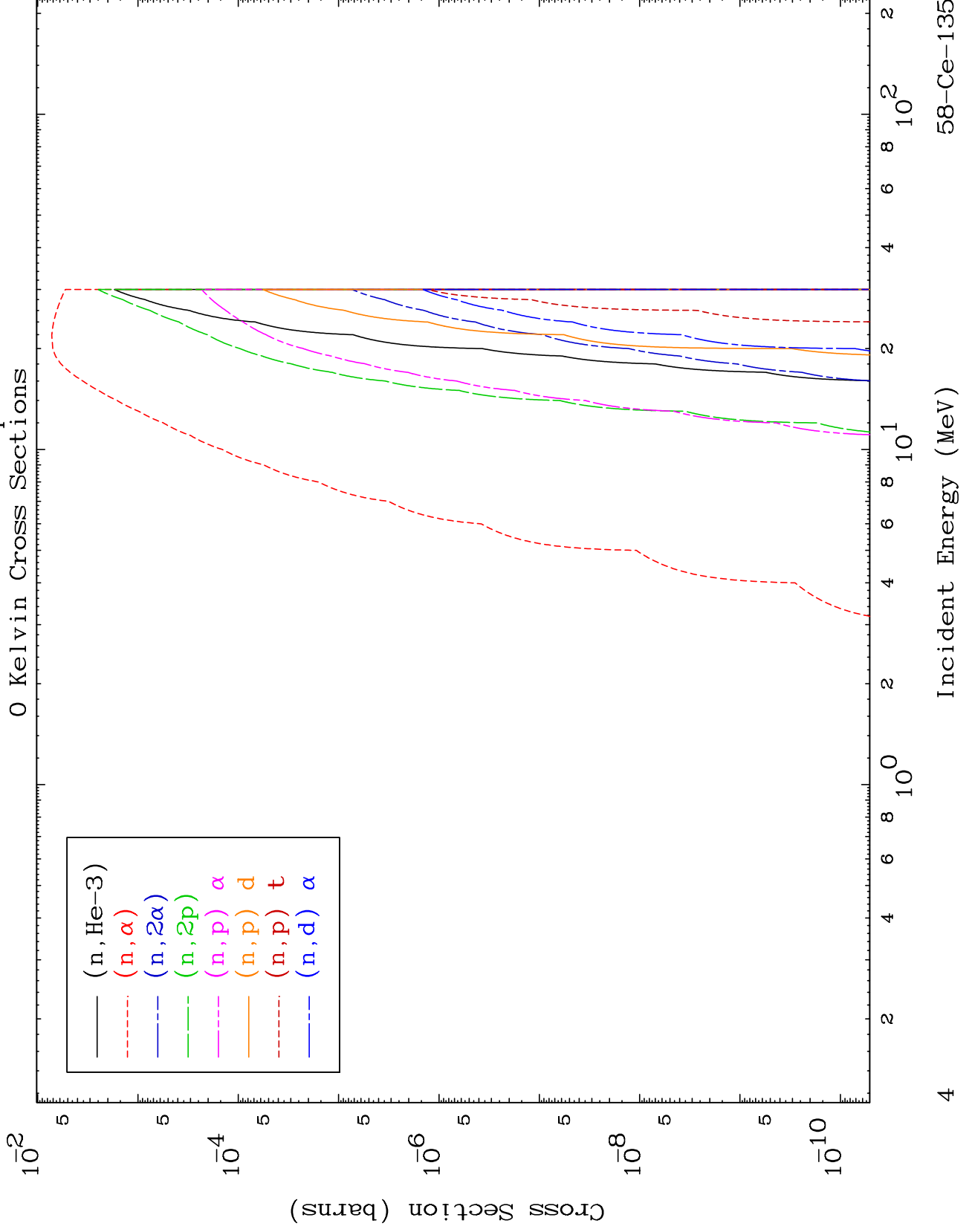


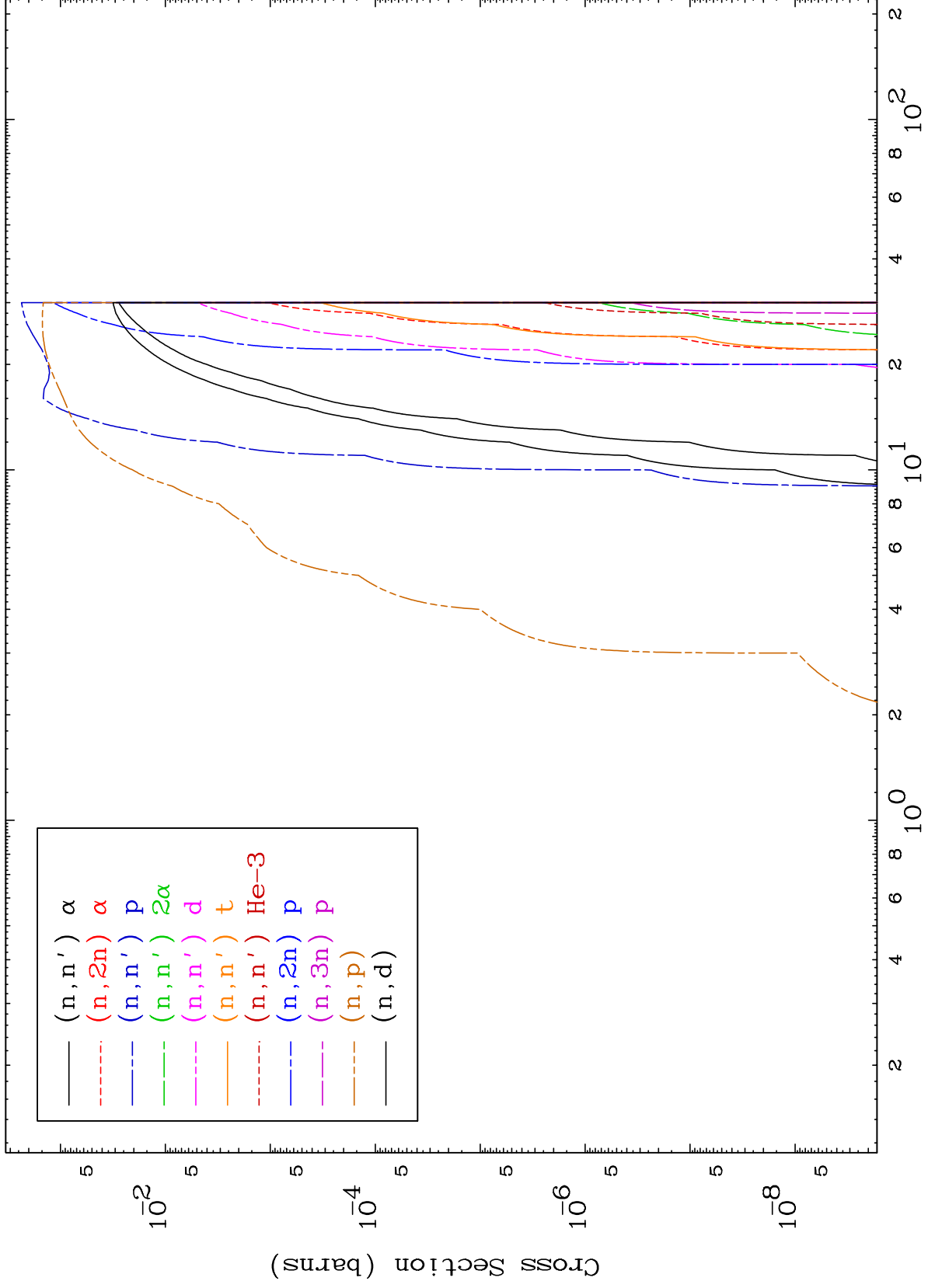


MAT 5822

Proton Neutron Absorption  
0 Kelvin Cross Sections

58-Ce-135

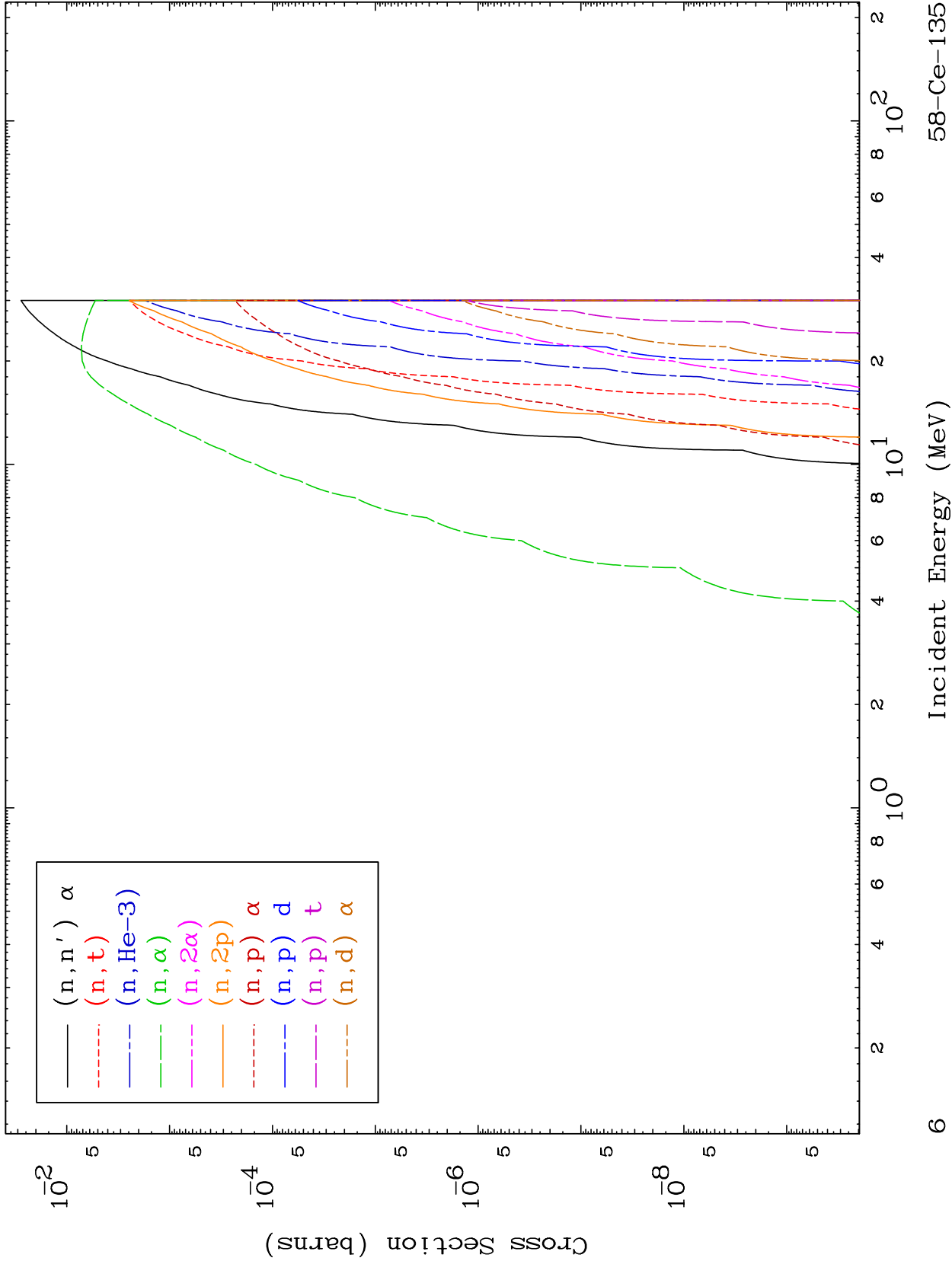




MAT 58222

Proton Charged Particle  
0 Kelvin Cross Sections

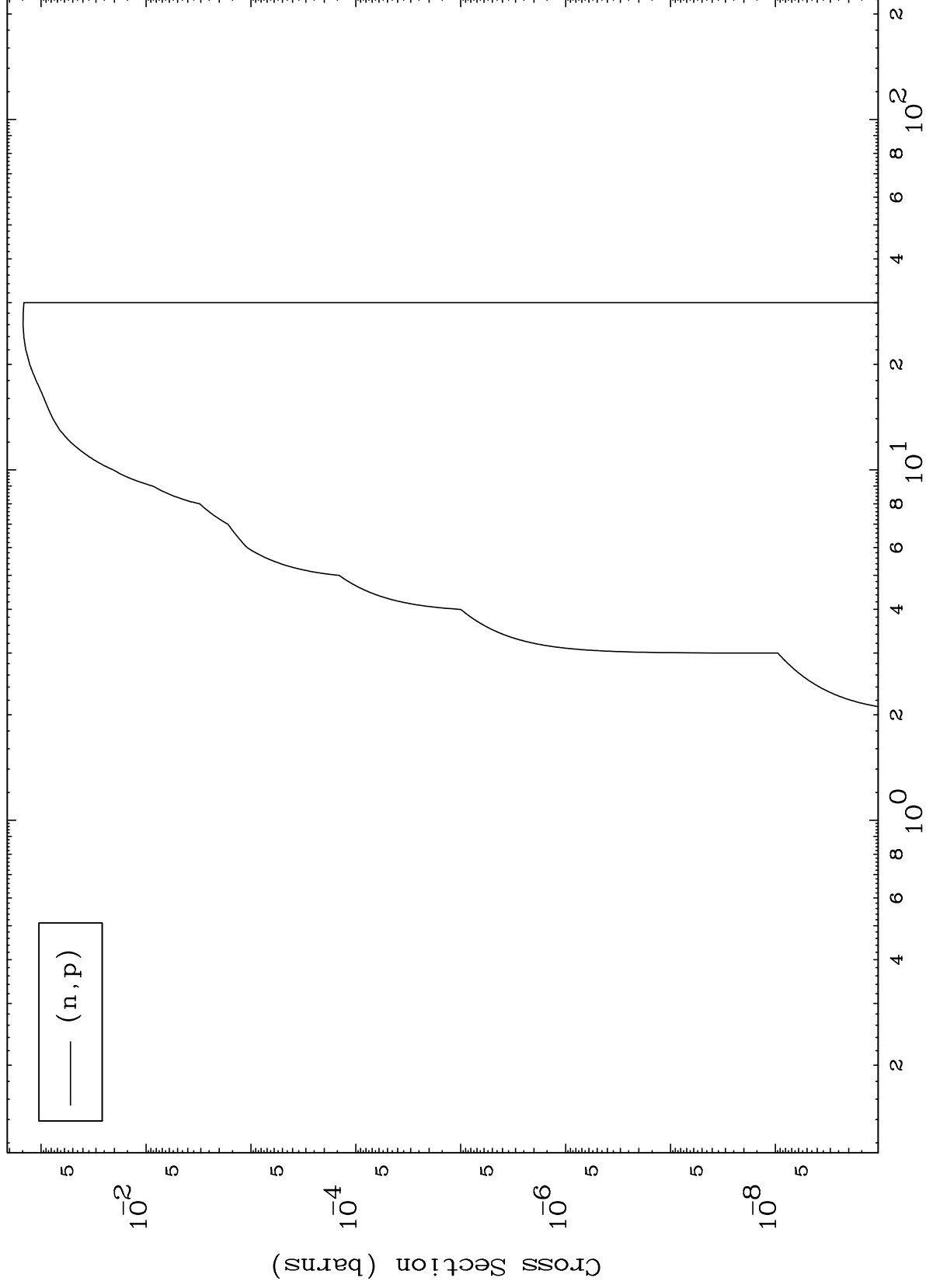
58-Ce-135



MAT 5822

(p,p) Levels  
0 Kelvin Cross Sections

58-Ce-135



7

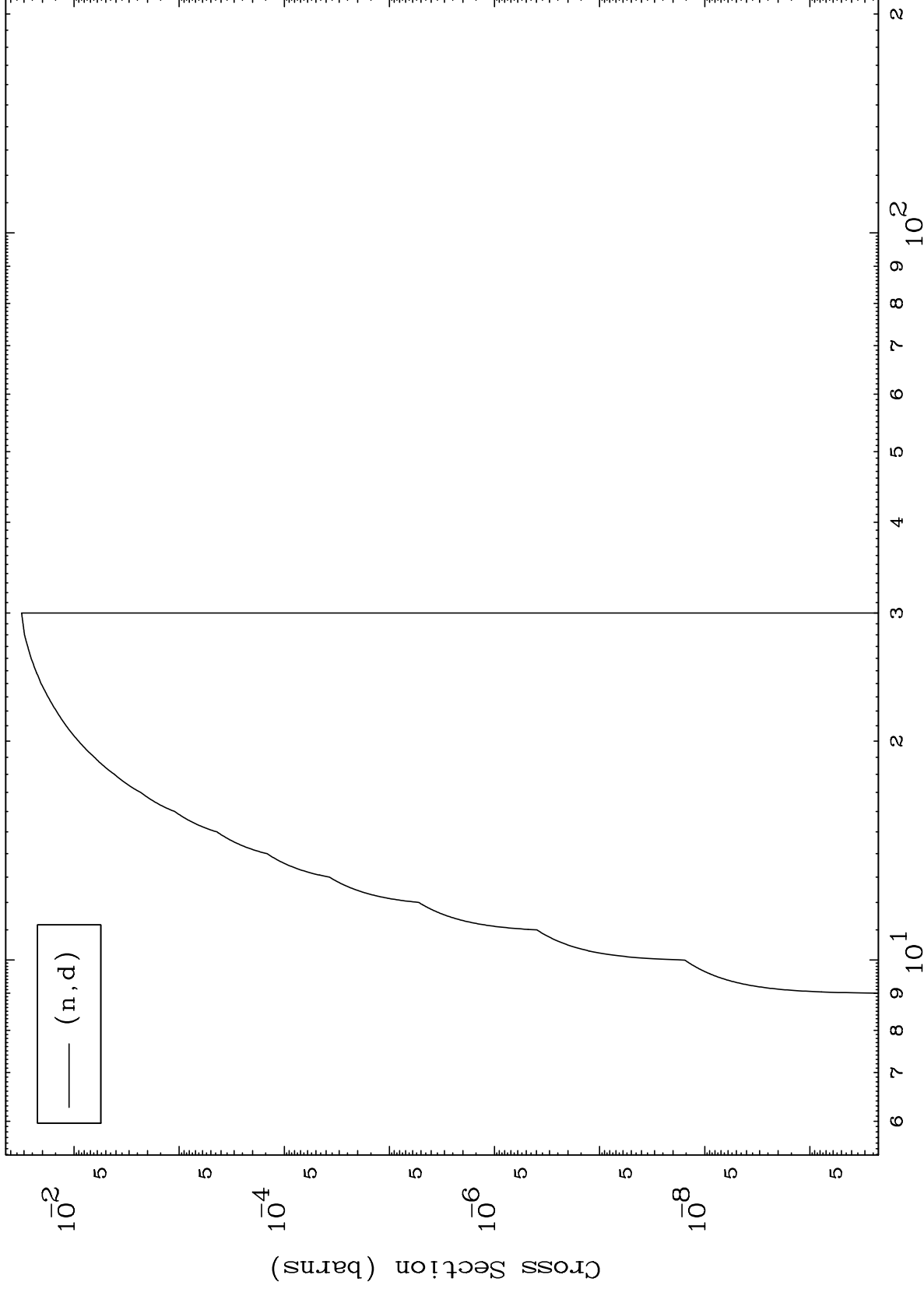
Incident Energy (MeV)

58-Ce-135

MAT 58222

(p,d) Levels  
0 Kelvin Cross Sections

58-Ce-135



8

Incident Energy (MeV)

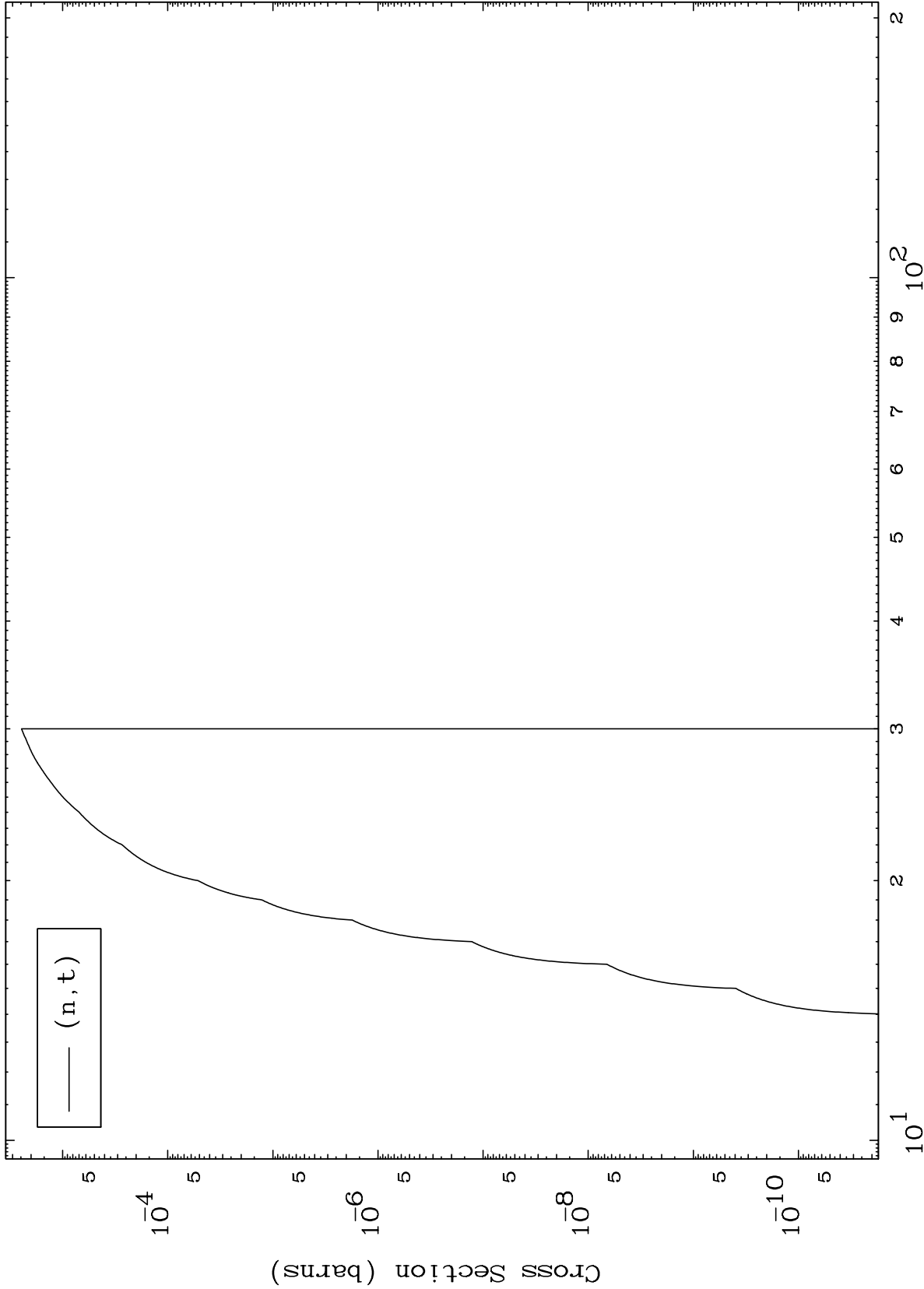
58-Ce-135

MAT 58222

(p,t) Levels

58-Ce-135

0 Kelvin Cross Sections



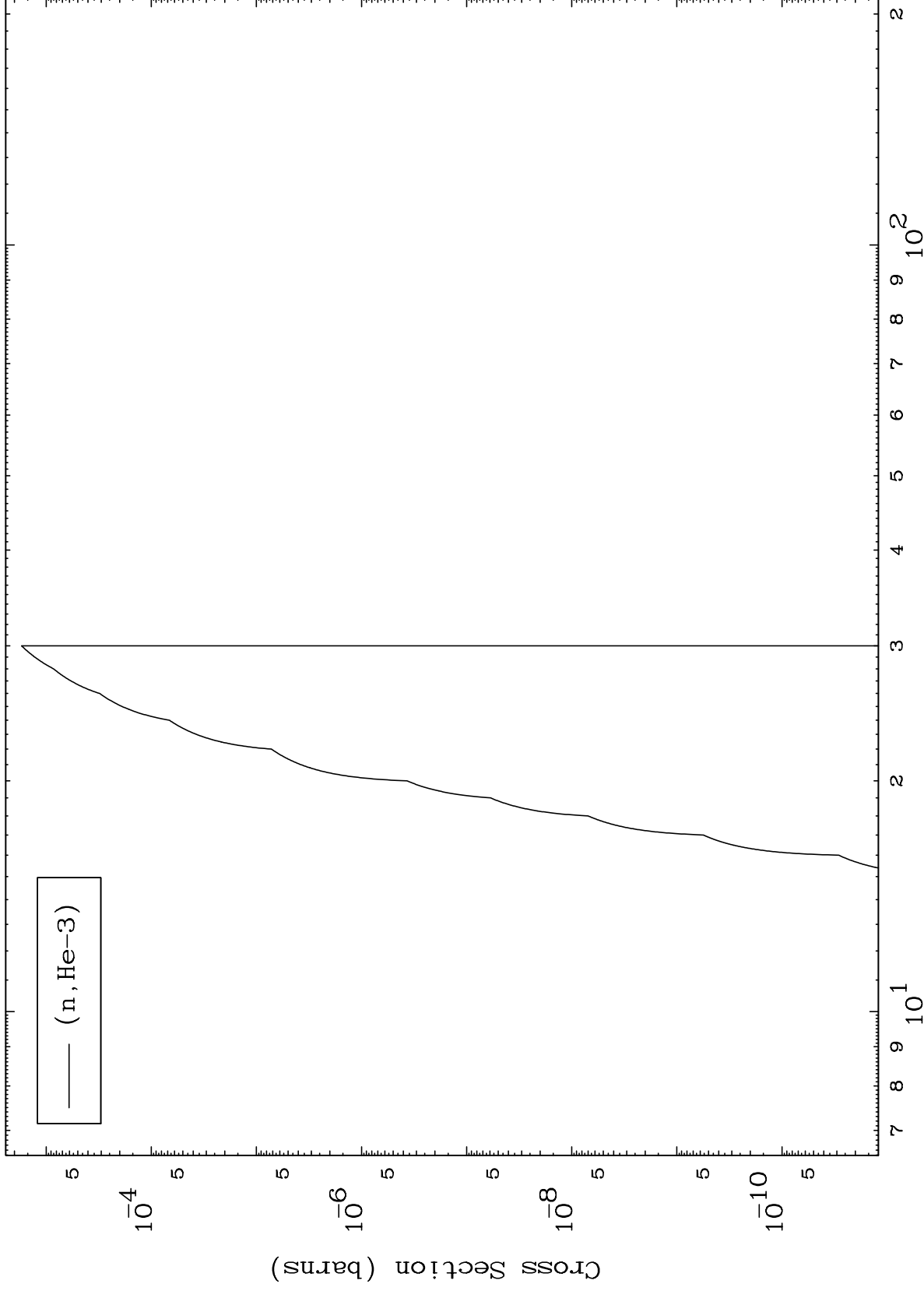
Incident Energy (MeV)

58-Ce-135

MAT 5822

(p,He3) Levels  
0 Kelvin Cross Sections

58-Ce-135



10

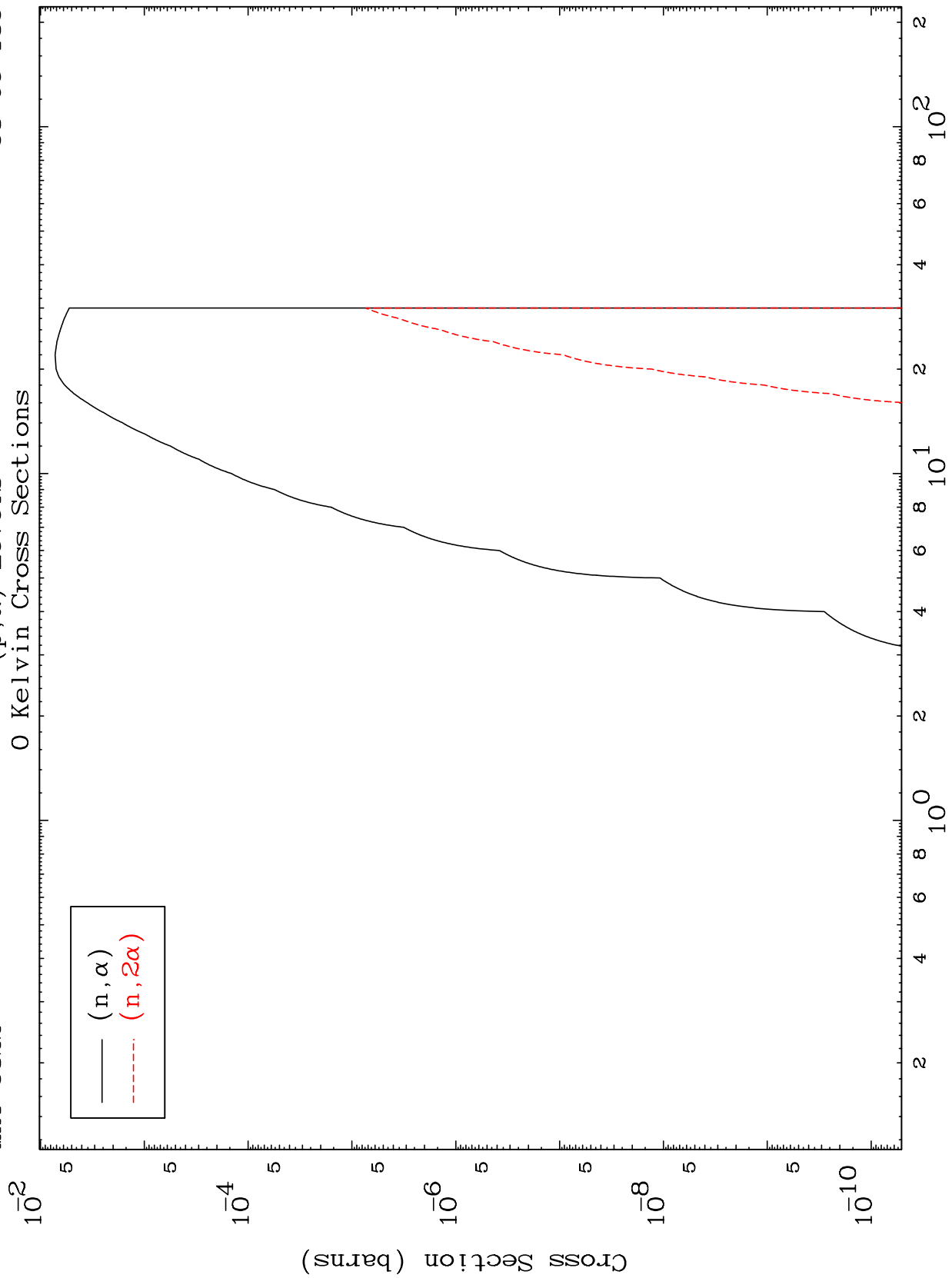
Incident Energy (MeV)

58-Ce-135

MAT 5822

58-Ce-135

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



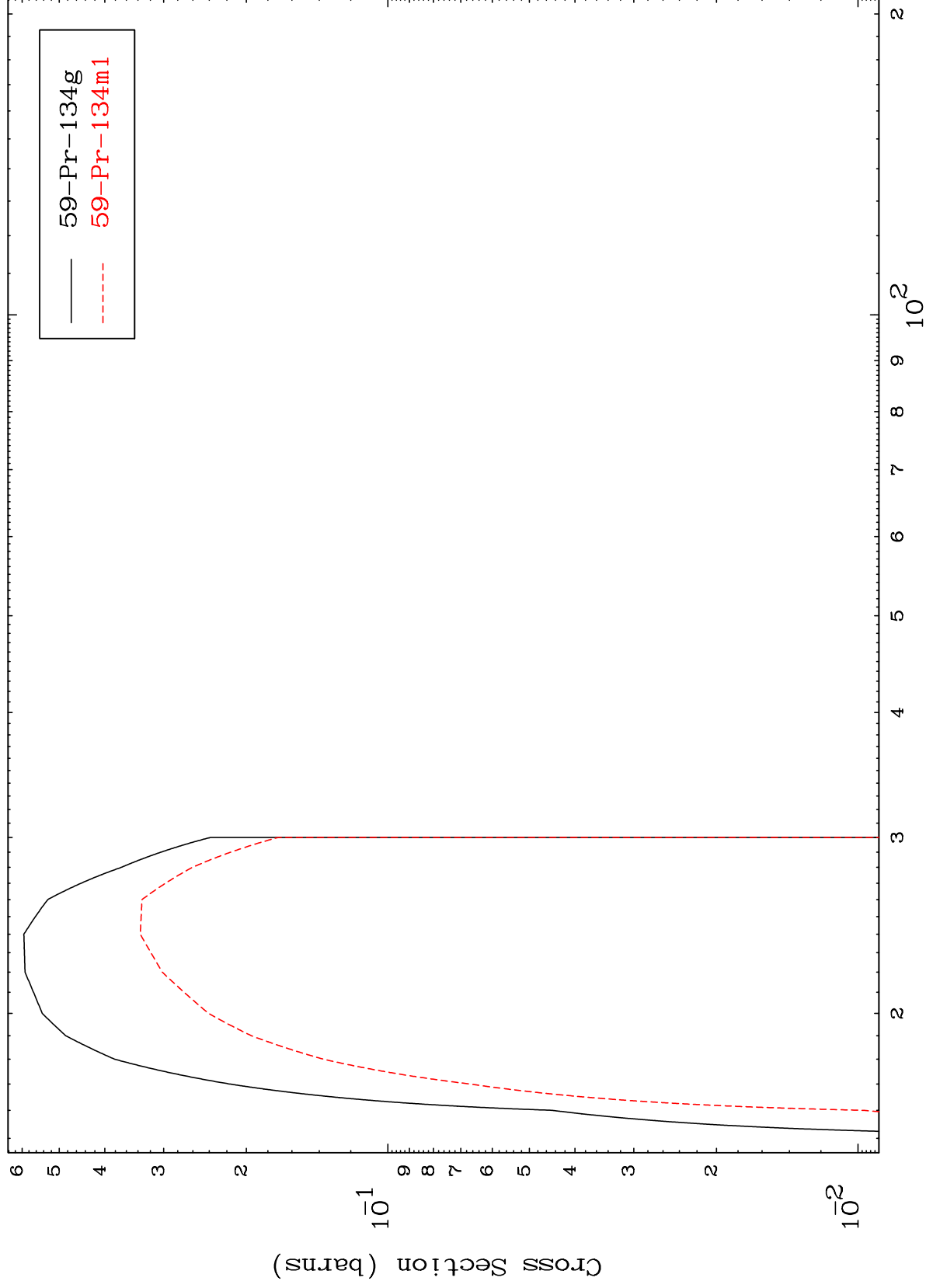
58-Ce-135

Incident Energy (MeV)

MAT 5822

58-Ce-135

(n,2n)  
Radionuclide Production Cross Section



58-Ce-135

Incident Energy (MeV)

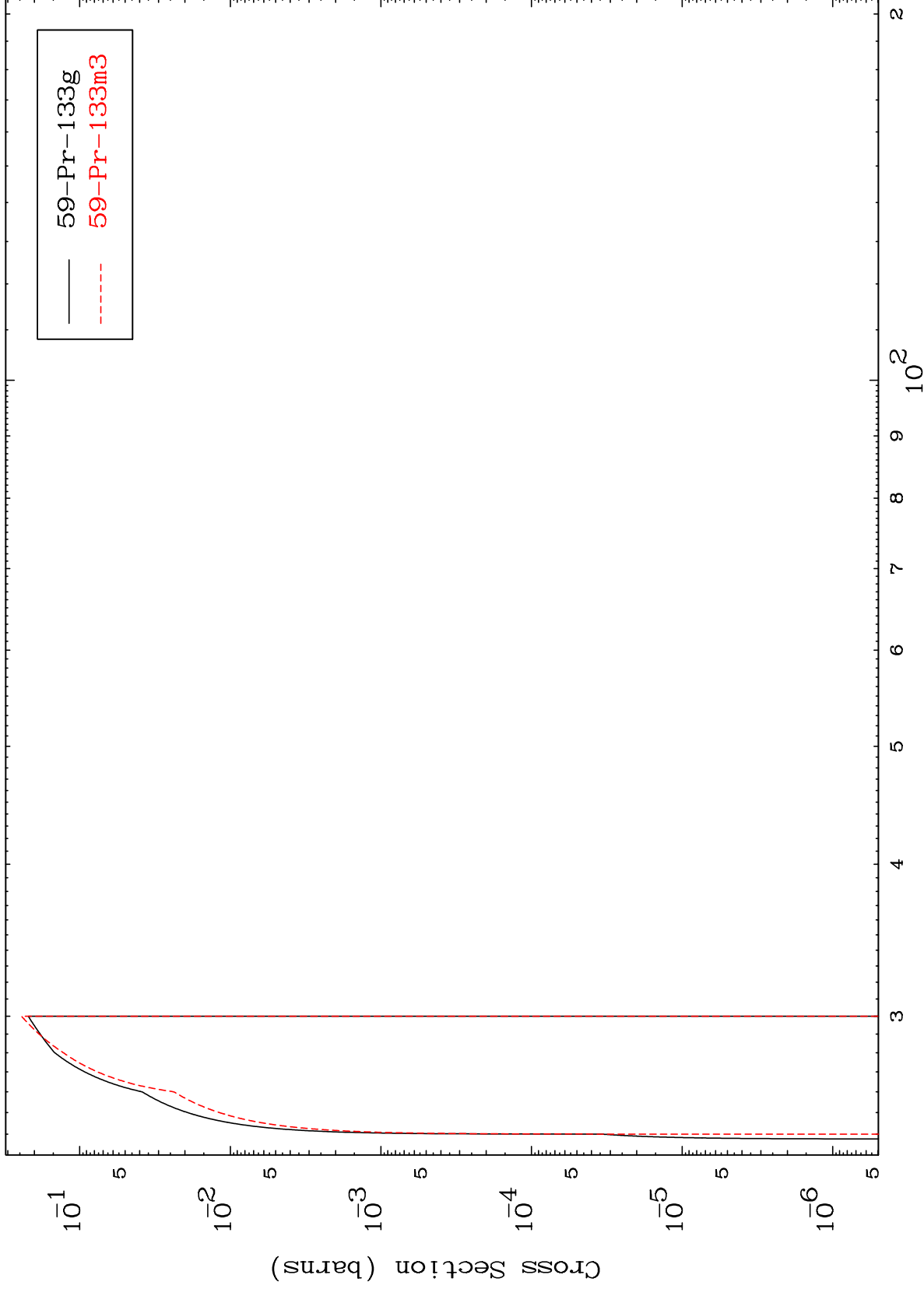
12

MAT 5822

(n,3n)

58-Ce-135

Radionuclide Production Cross Section



13

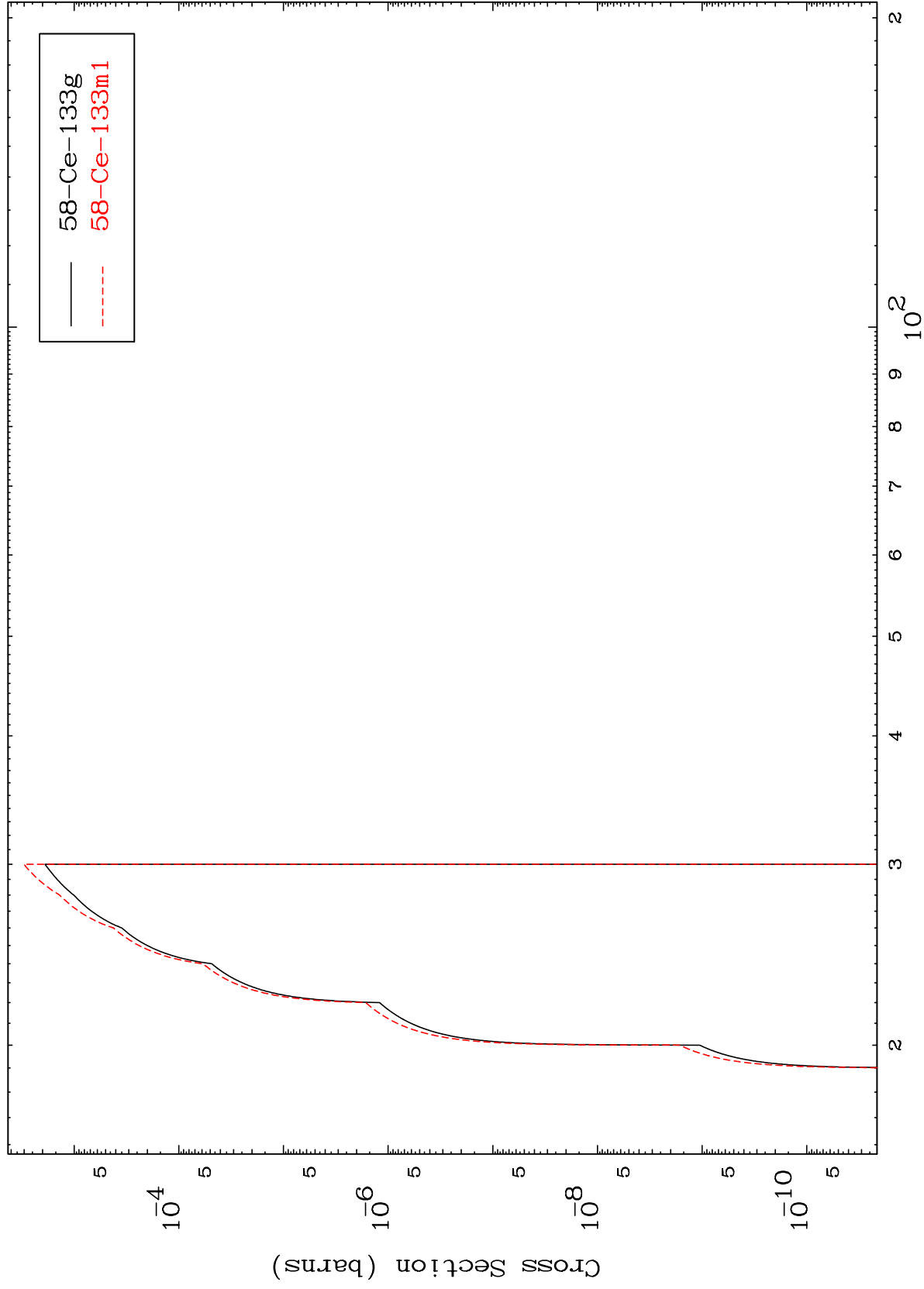
Incident Energy (MeV)

58-Ce-135

MAT 58222

58-Ce-135

$(n, n')$  d  
Radionuclide Production Cross Section



58-Ce-135

Incident Energy (MeV)

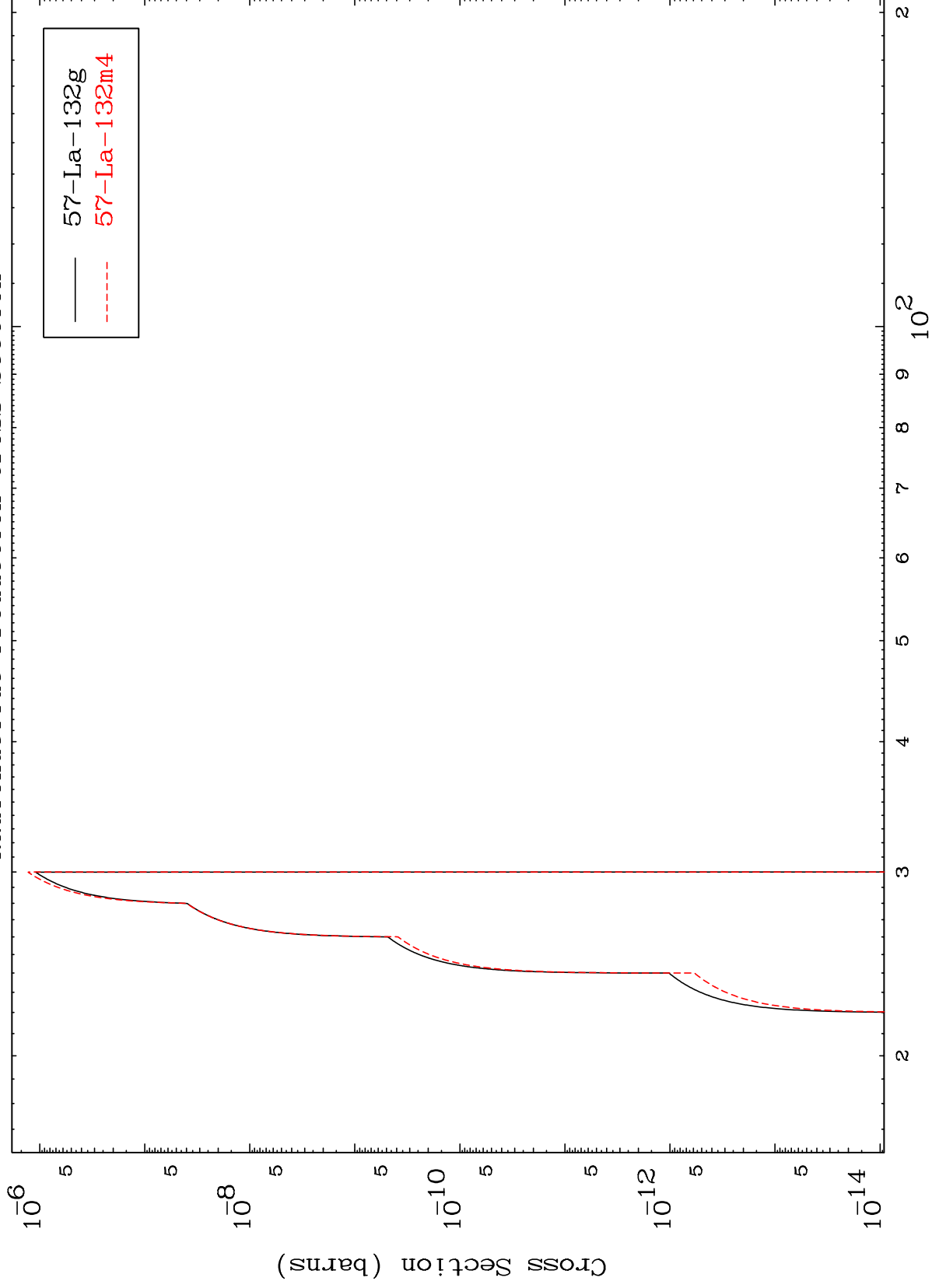
14

MAT 5822

(n,n') He-3

58-Ce-135

Radionuclide Production Cross Section



15

Incident Energy (MeV)

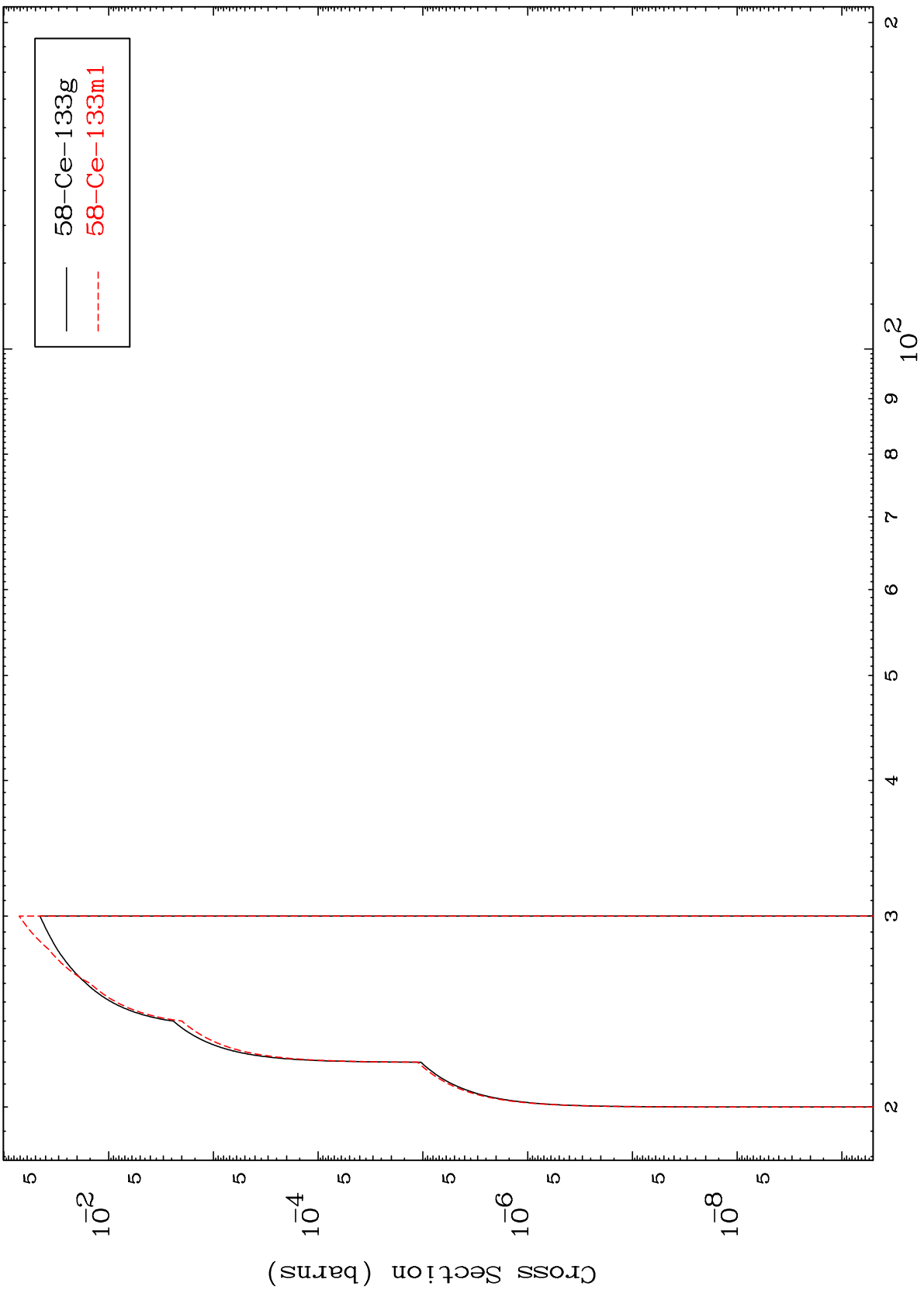
58-Ce-135

MAT 5822

(n,2n) p

58-Ce-135

Radionuclide Production Cross Section



16

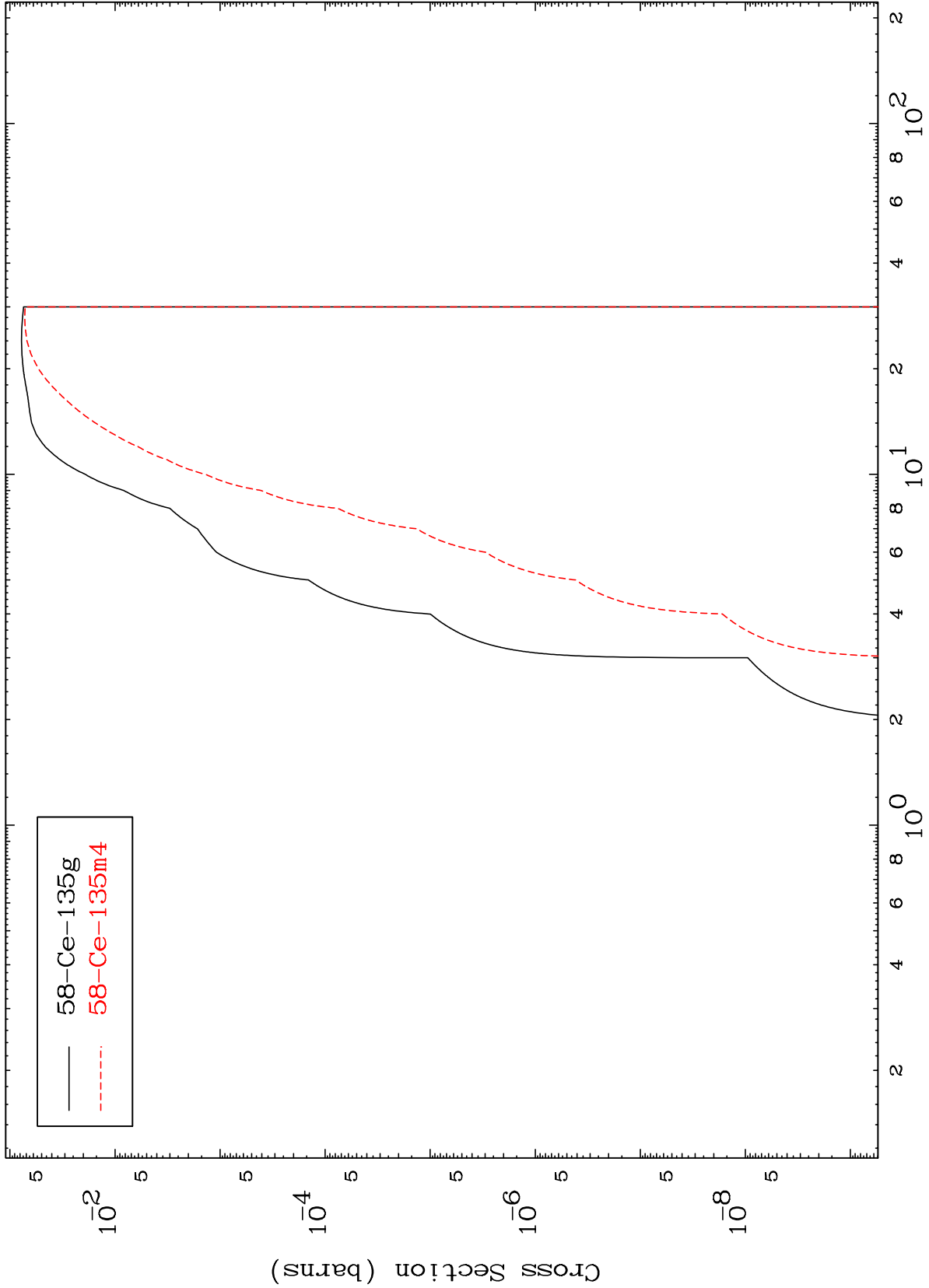
Incident Energy (MeV)

58-Ce-135

MAT 58222

58-Ce-135

(n,p)  
Radionuclide Production Cross Section



58-Ce-135

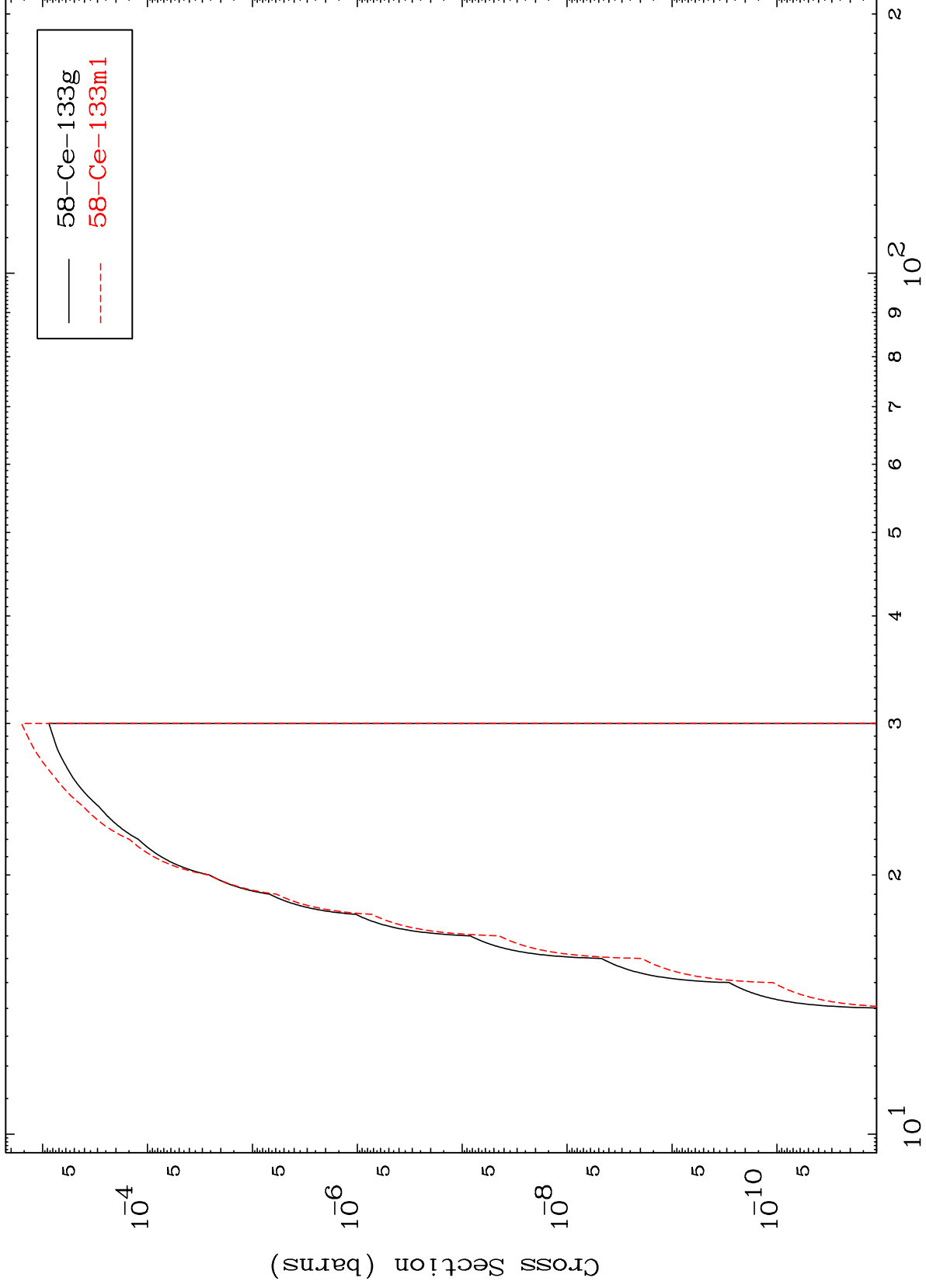
Incident Energy (MeV)

17

MAT 58222

58-Ce-135

(n,t)  
Radionuclide Production Cross Section



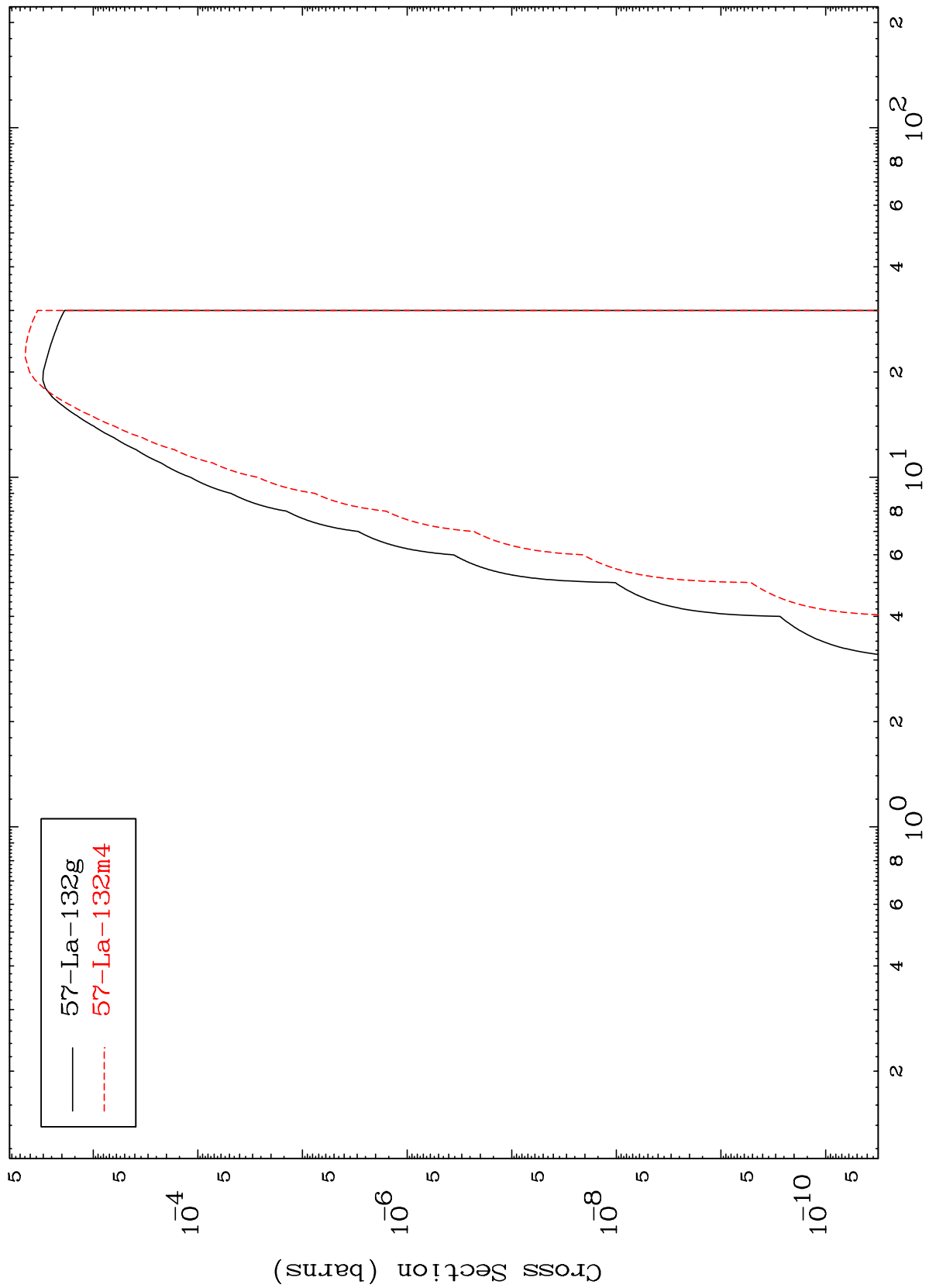
58-Ce-135

Incident Energy (MeV)

MAT 5822

58-Ce-135

(n,  $\alpha$ )  
Radionuclide Production Cross Section



58-Ce-135

Incident Energy (MeV)

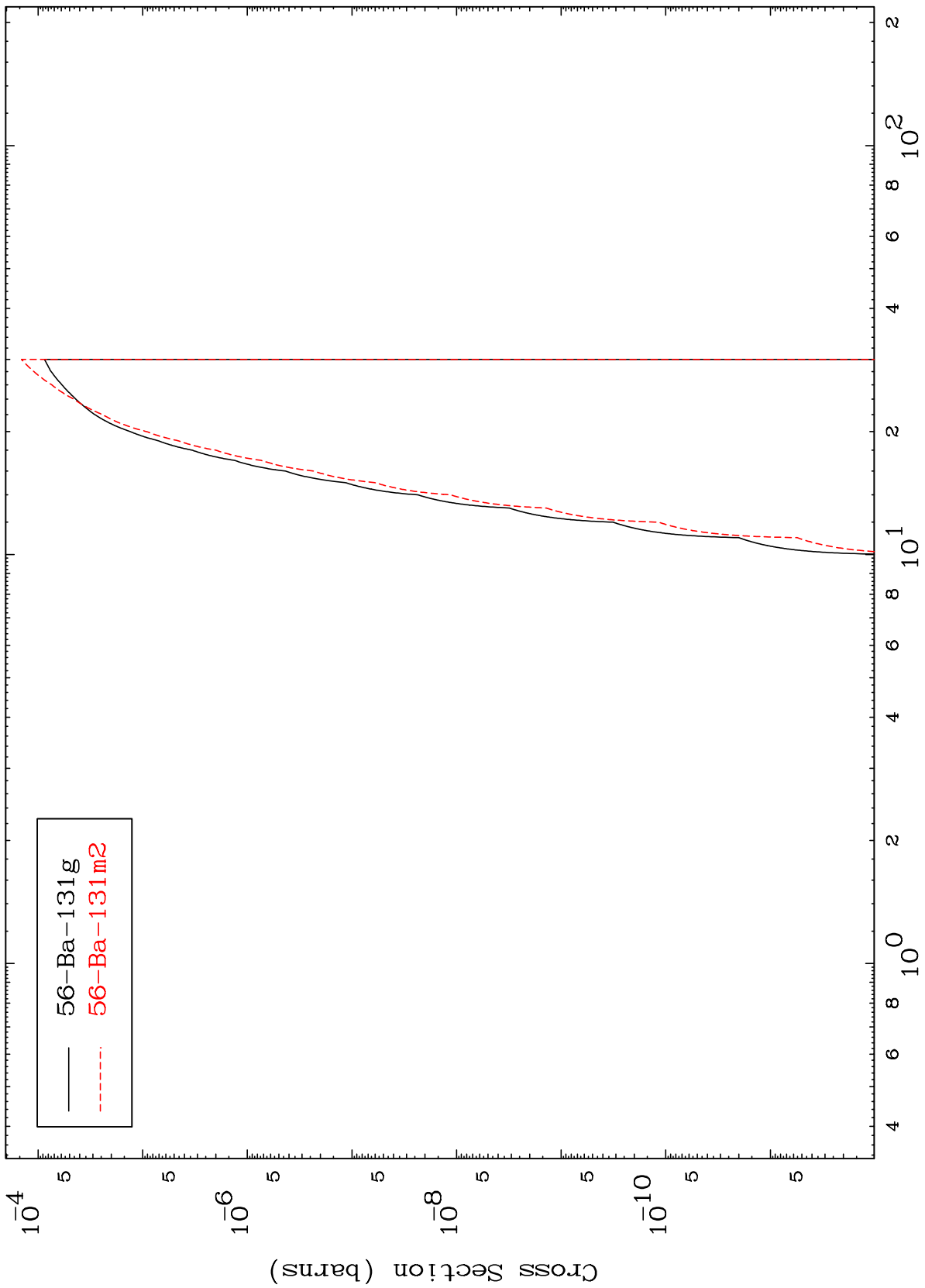
19

MAT 5822

(n,p)  $\alpha$

58-Ce-135

Radionuclide Production Cross Section



20

Incident Energy (MeV)

58-Ce-135

MAT 5822

(n,p) t

58-Ce-135

