

Program EVALPLOT  
(Version 2021-1)

by

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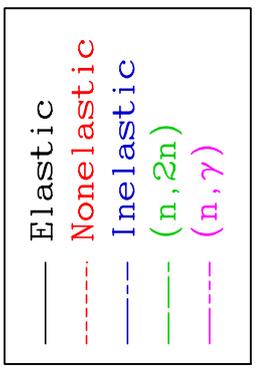
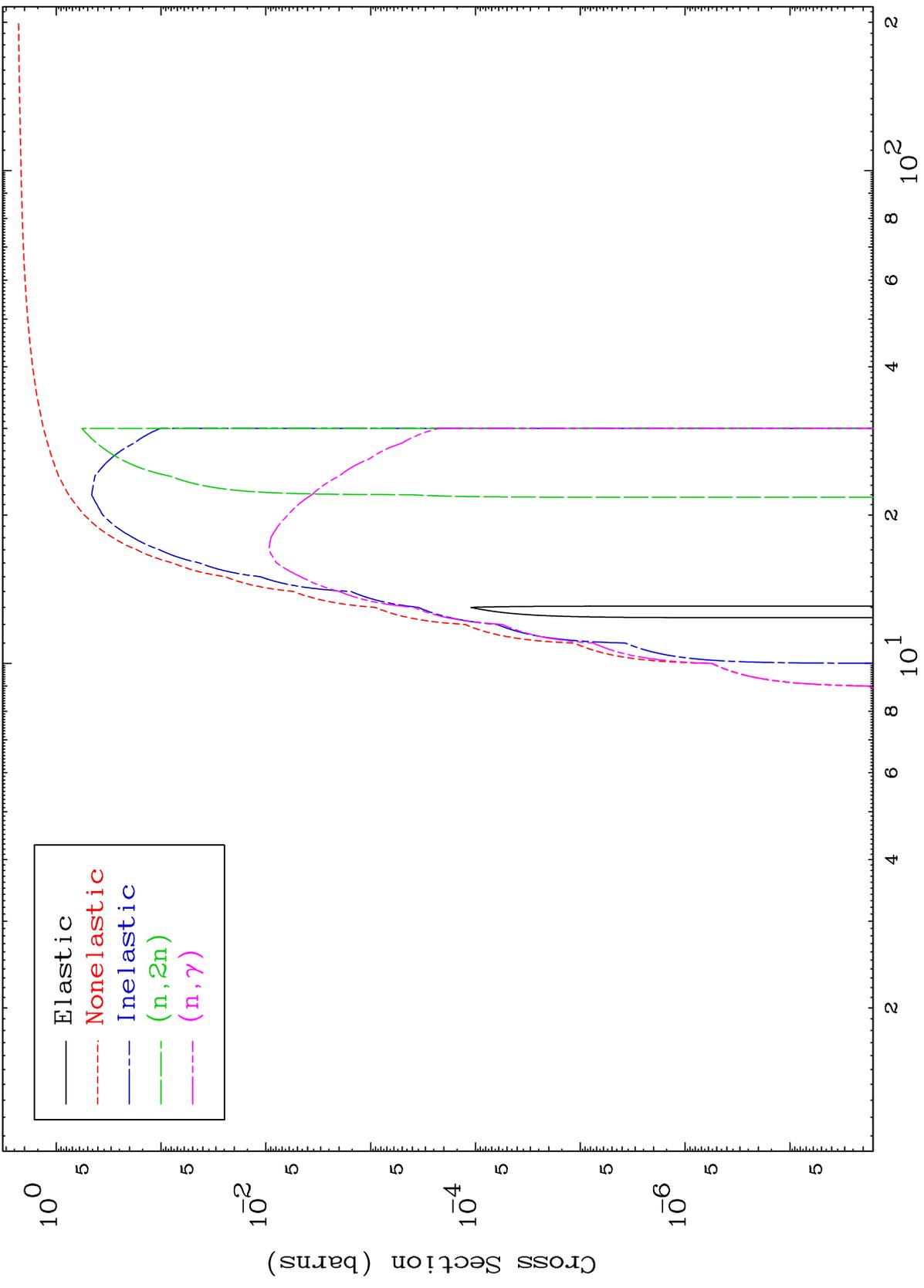
Press Mouse Button to Start

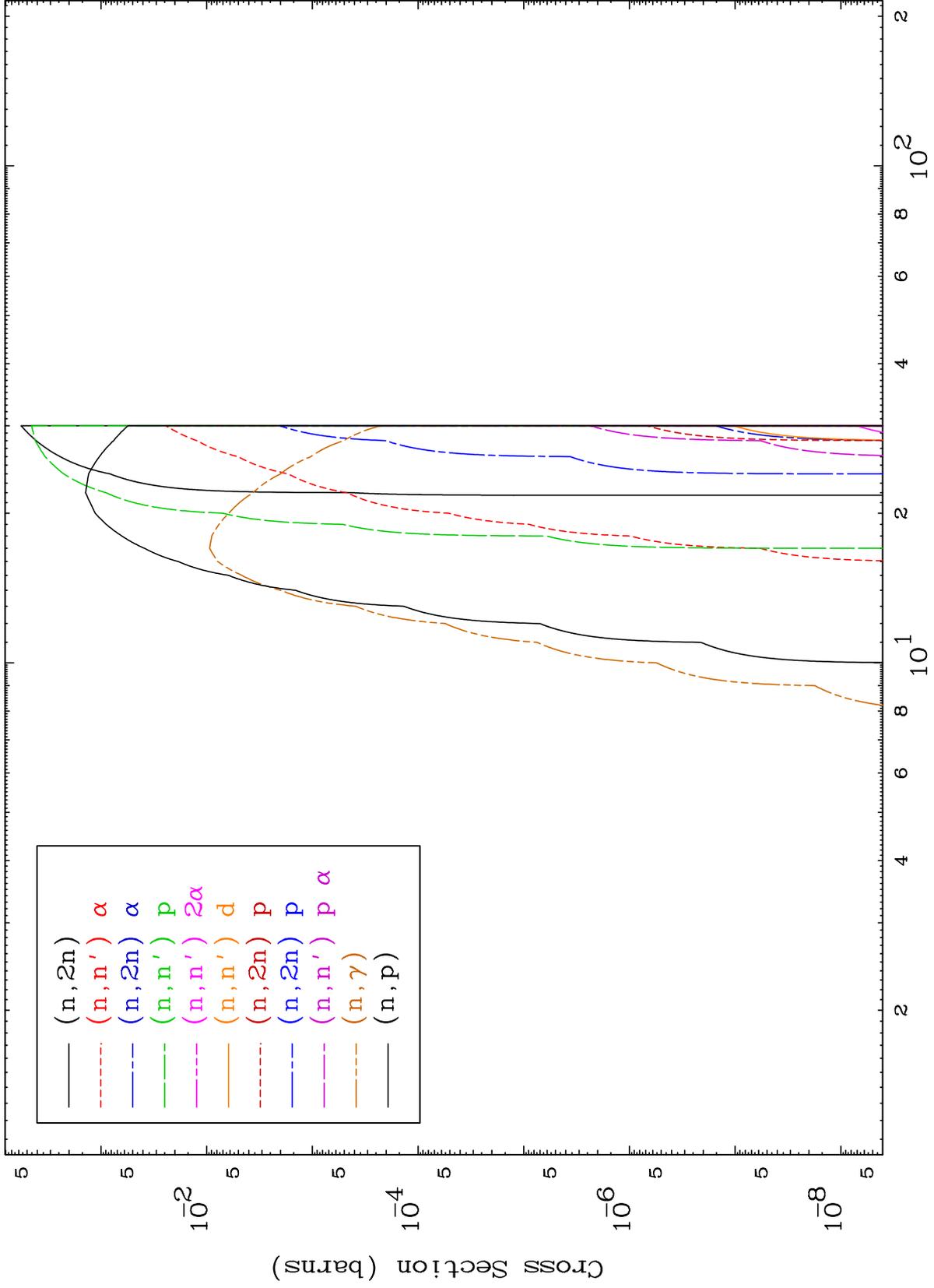
MAT 5810

$\alpha$  Major

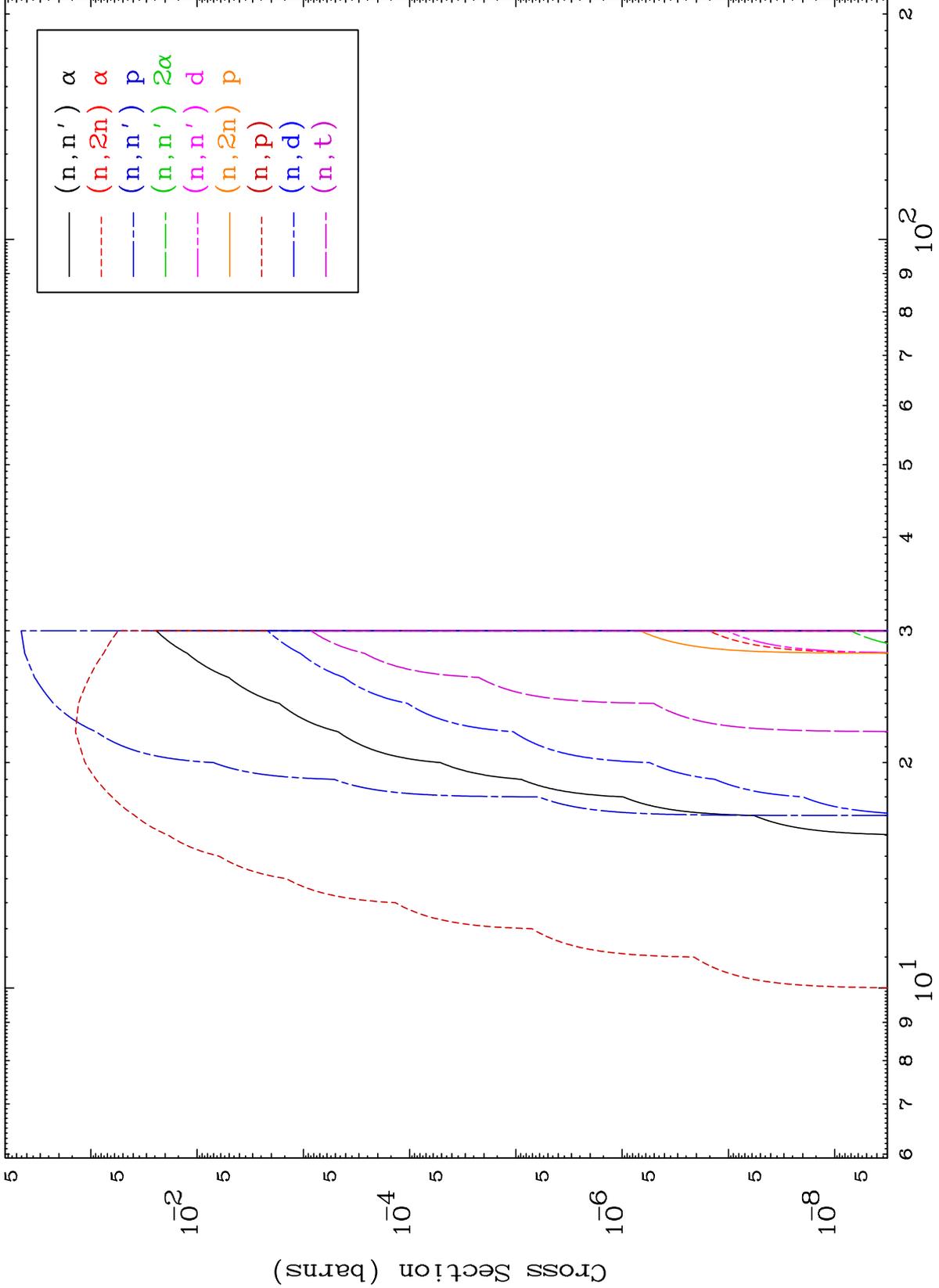
58-Ce-131

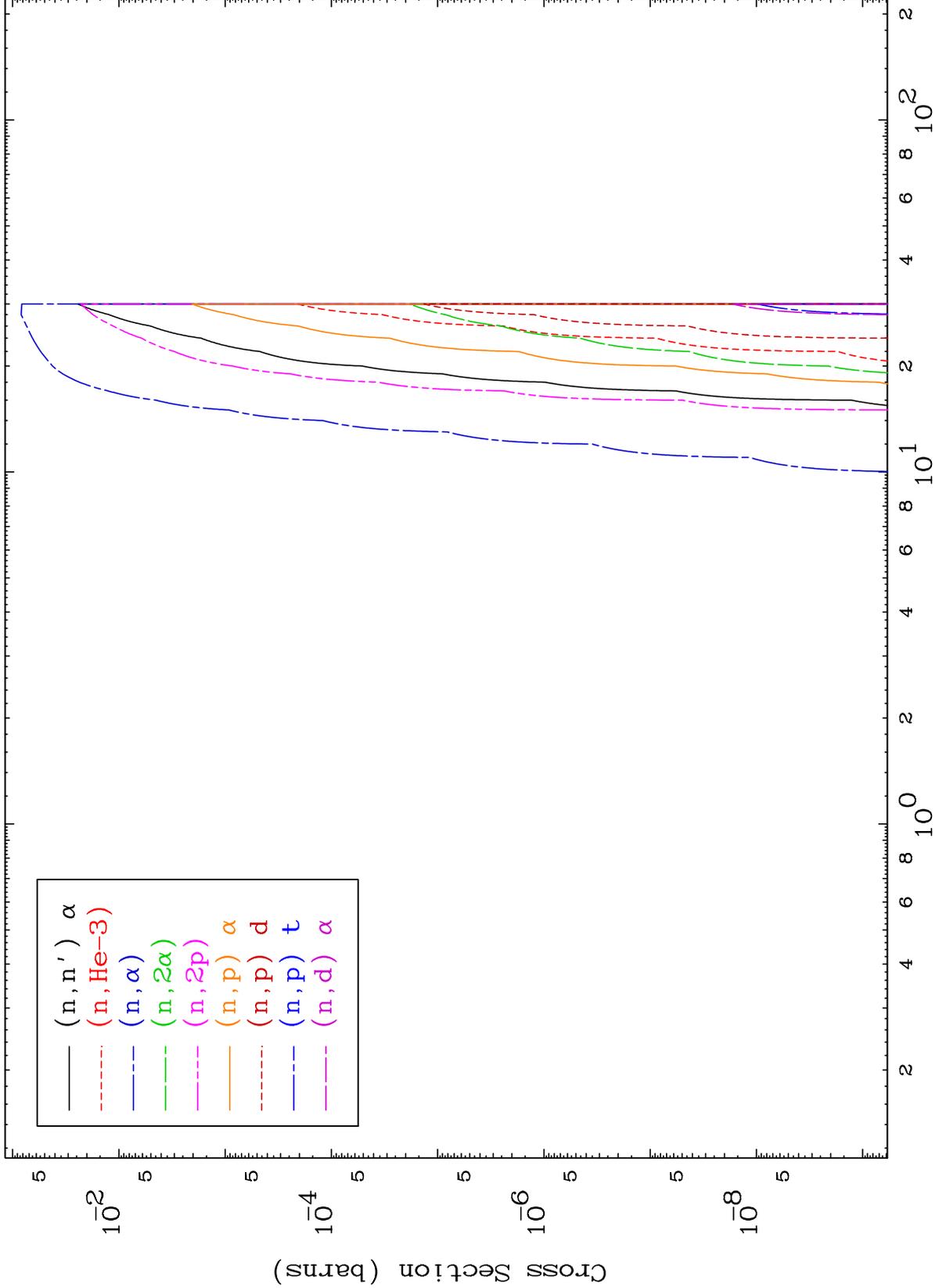
0 Kelvin Cross Sections









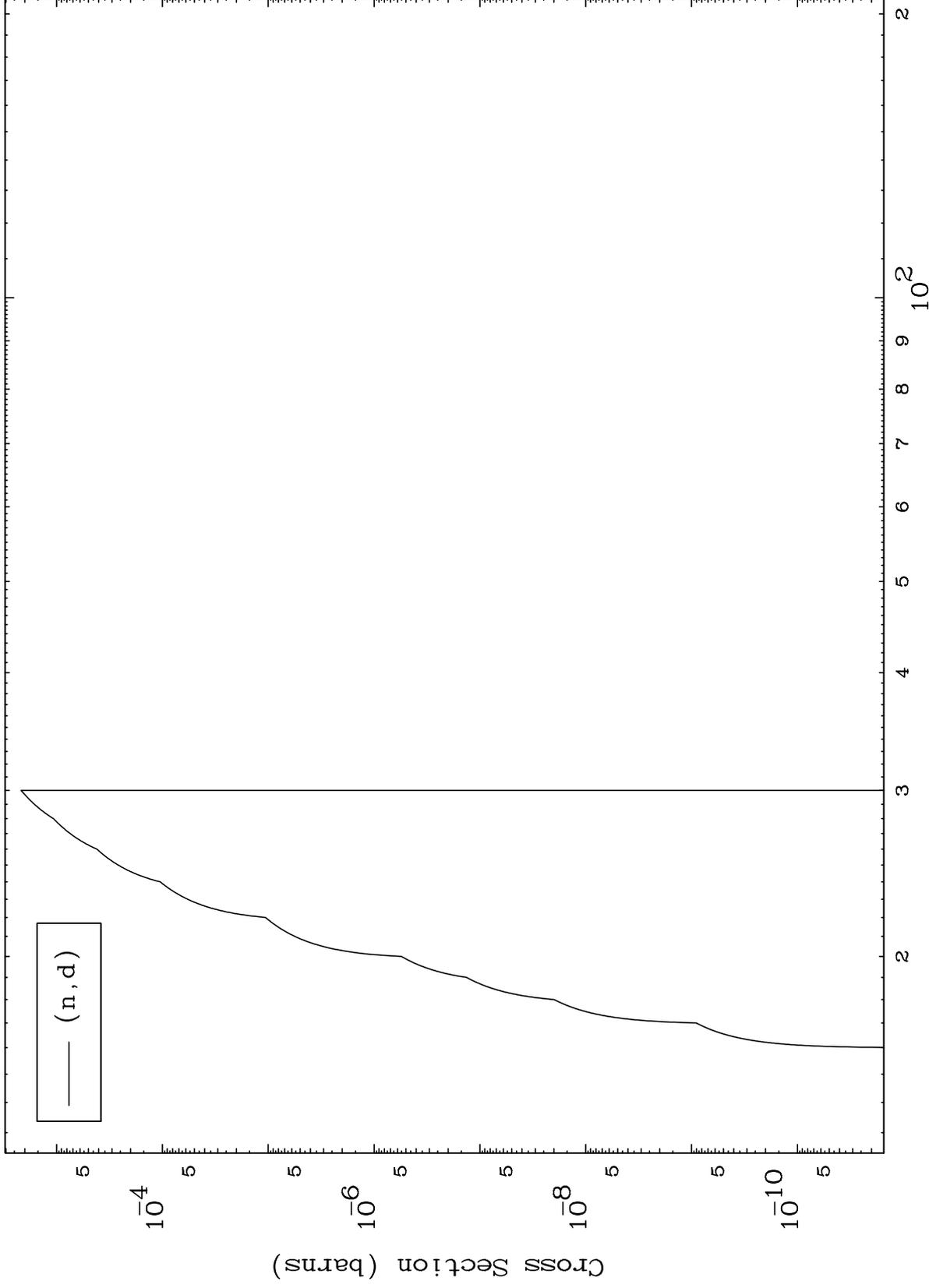




MAT 5810

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

58-Ce-131



7

Incident Energy (MeV)

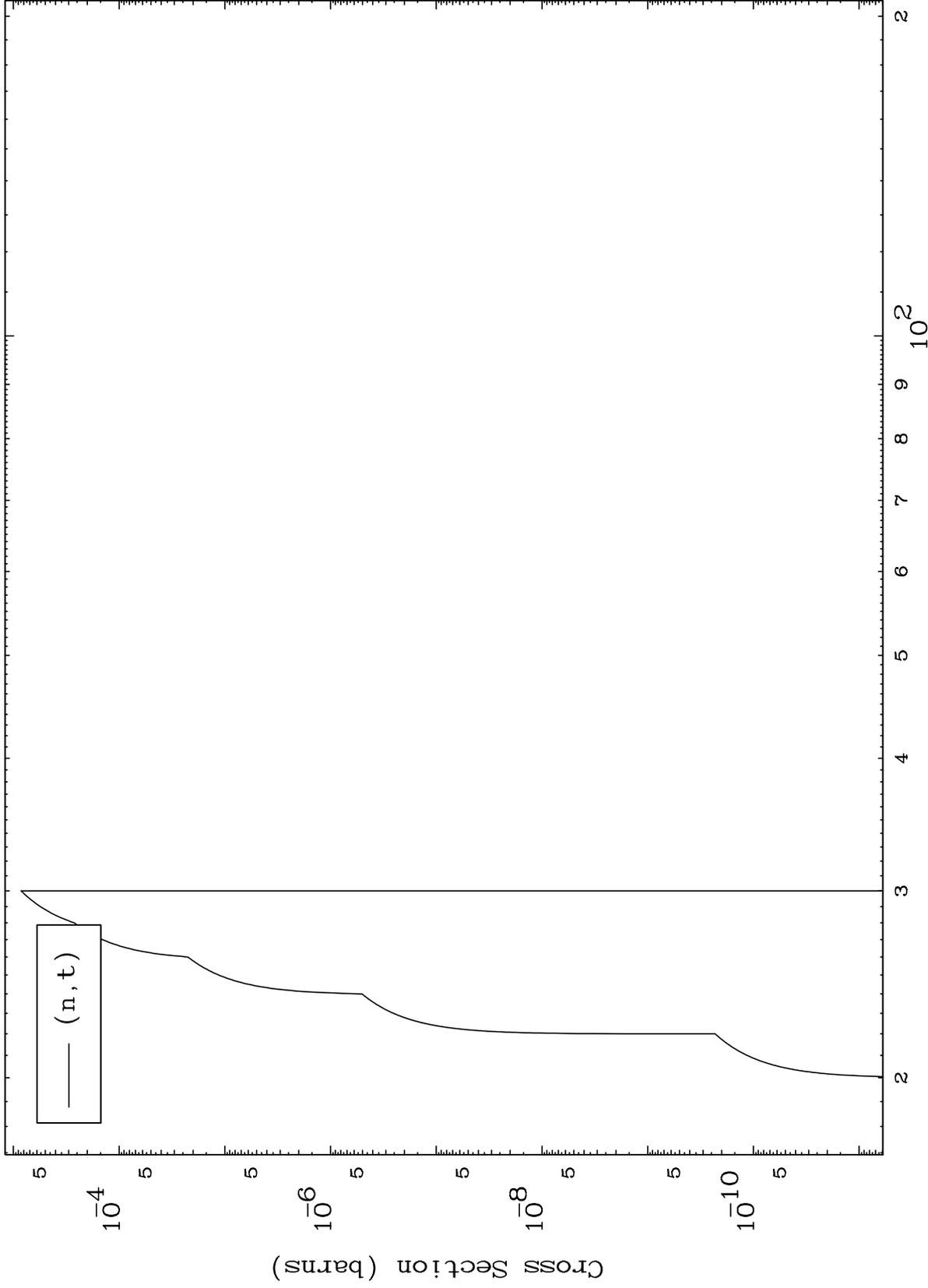
58-Ce-131

MAT 5810

( $\alpha, t$ ) Levels

58-Ce-131

0 Kelvin Cross Sections



8

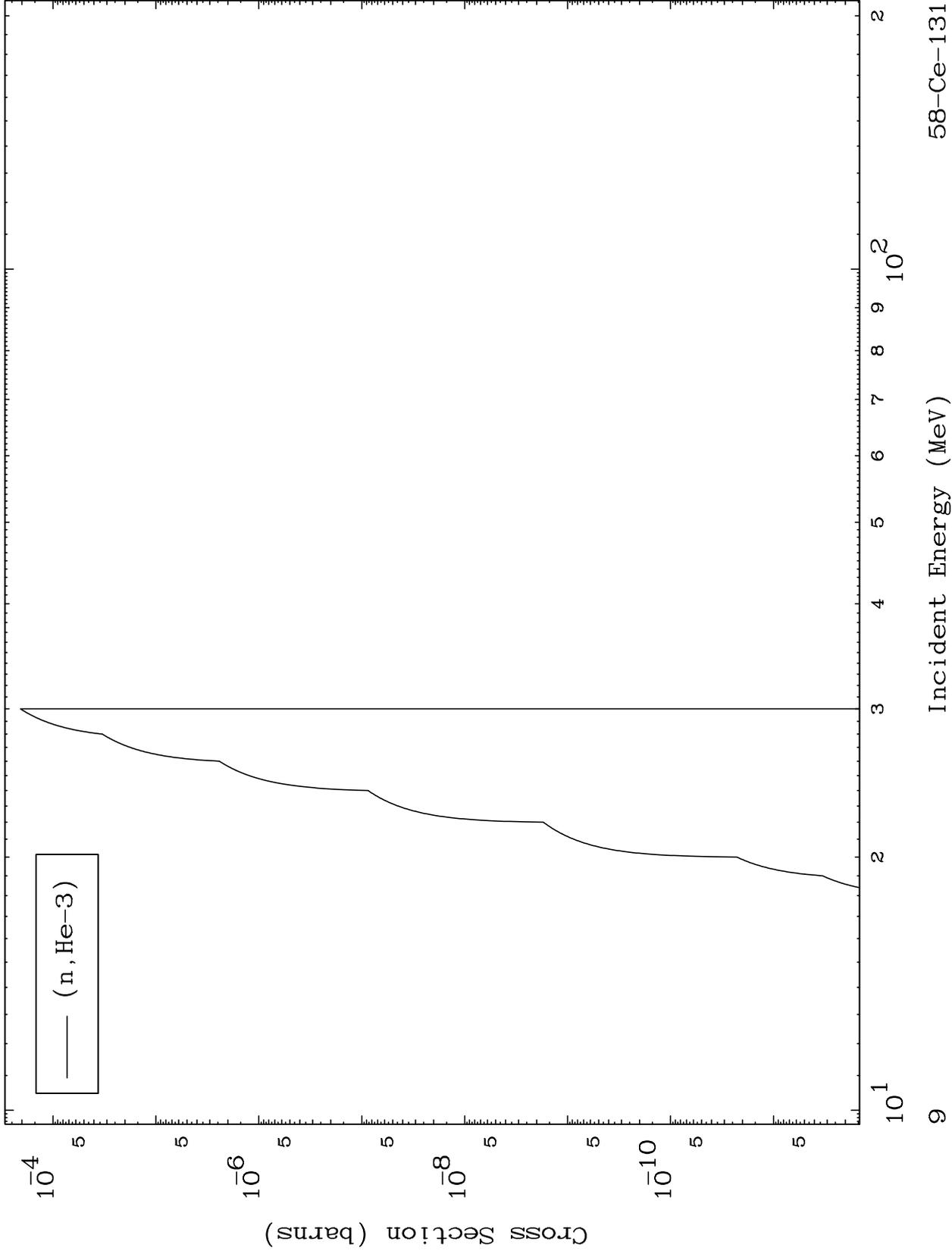
Incident Energy (MeV)

58-Ce-131

MAT 5810

58-Ce-131

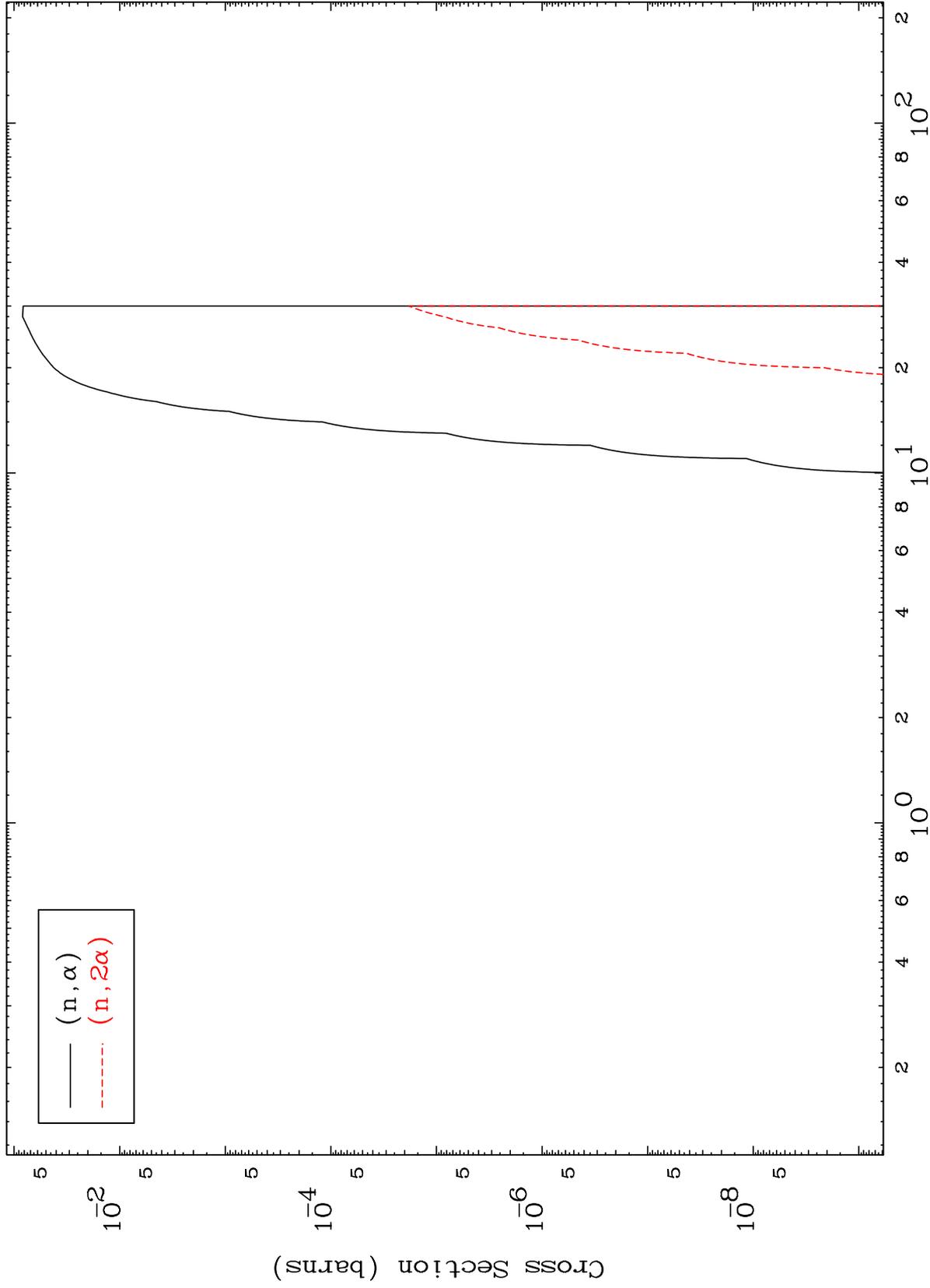
( $\alpha, \text{He3}$ ) Levels  
0 Kelvin Cross Sections



MAT 5810

58-Ce-131

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



10

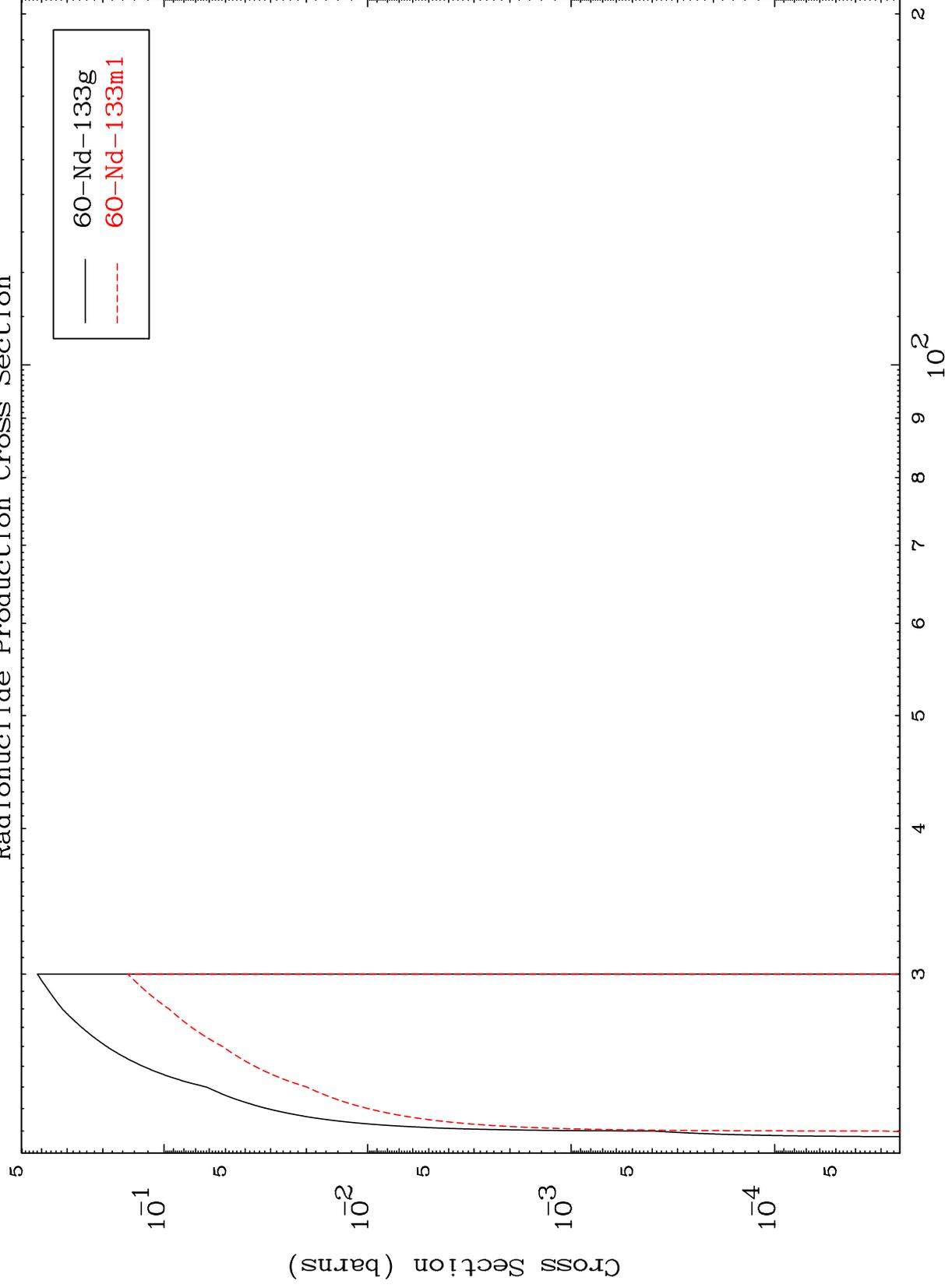
Incident Energy (MeV)

58-Ce-131

MAT 5810

58-Ce-131

(n,2n)  
Radionuclide Production Cross Section

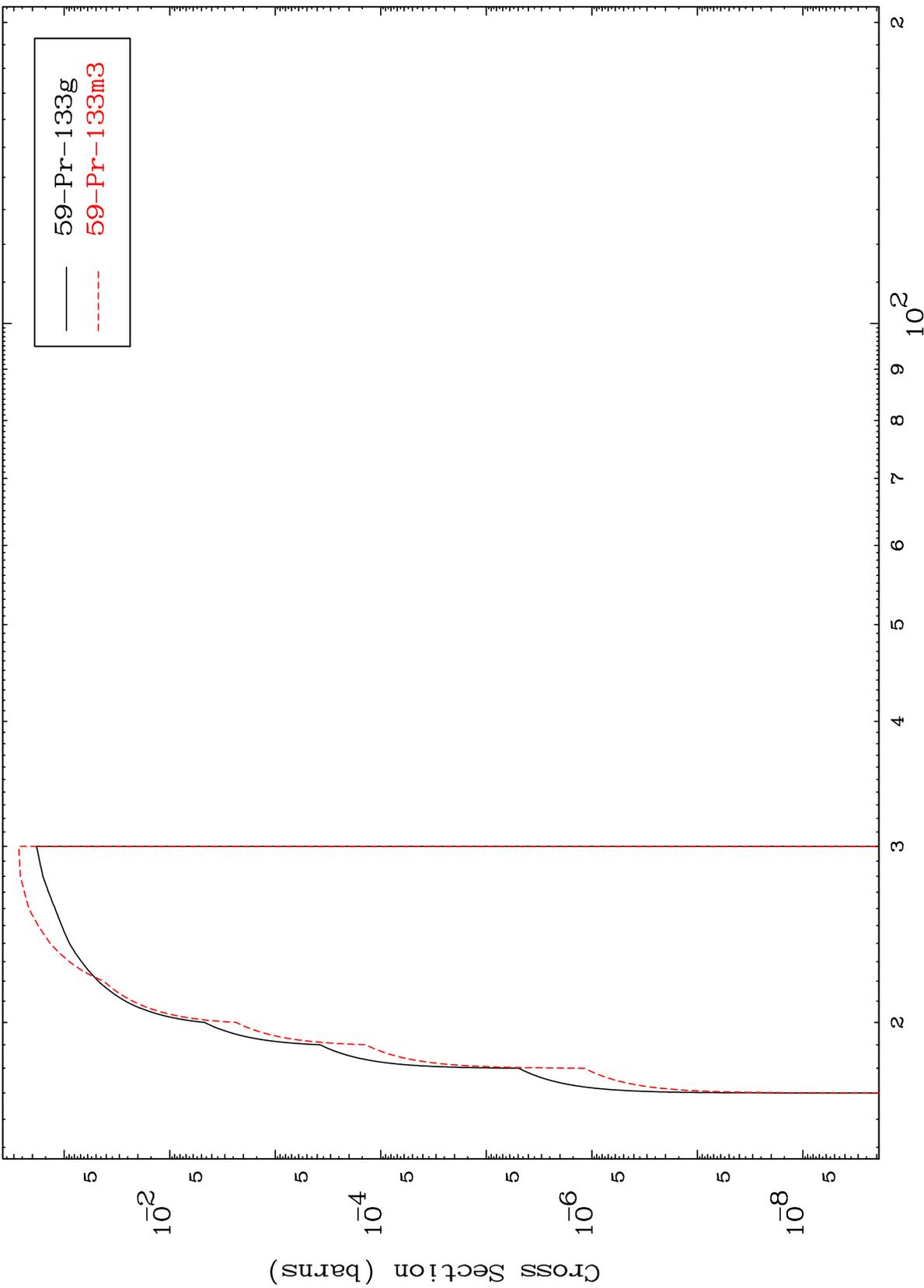


58-Ce-131

Incident Energy (MeV)

11

Radionuclide Production Cross Section

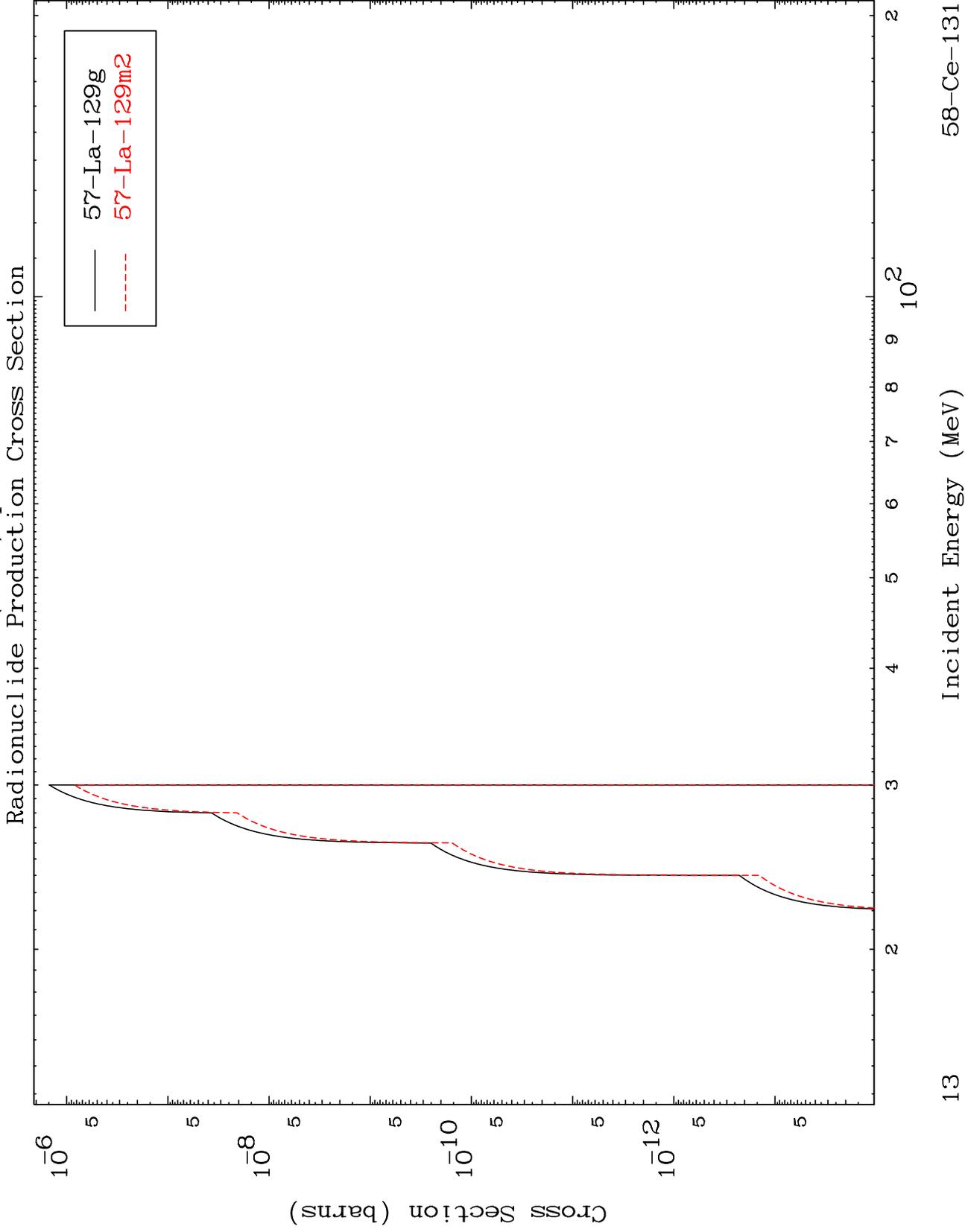


59-Pr-133g  
59-Pr-133m3

MAT 5810

(n,n') p  $\alpha$

58-Ce-131

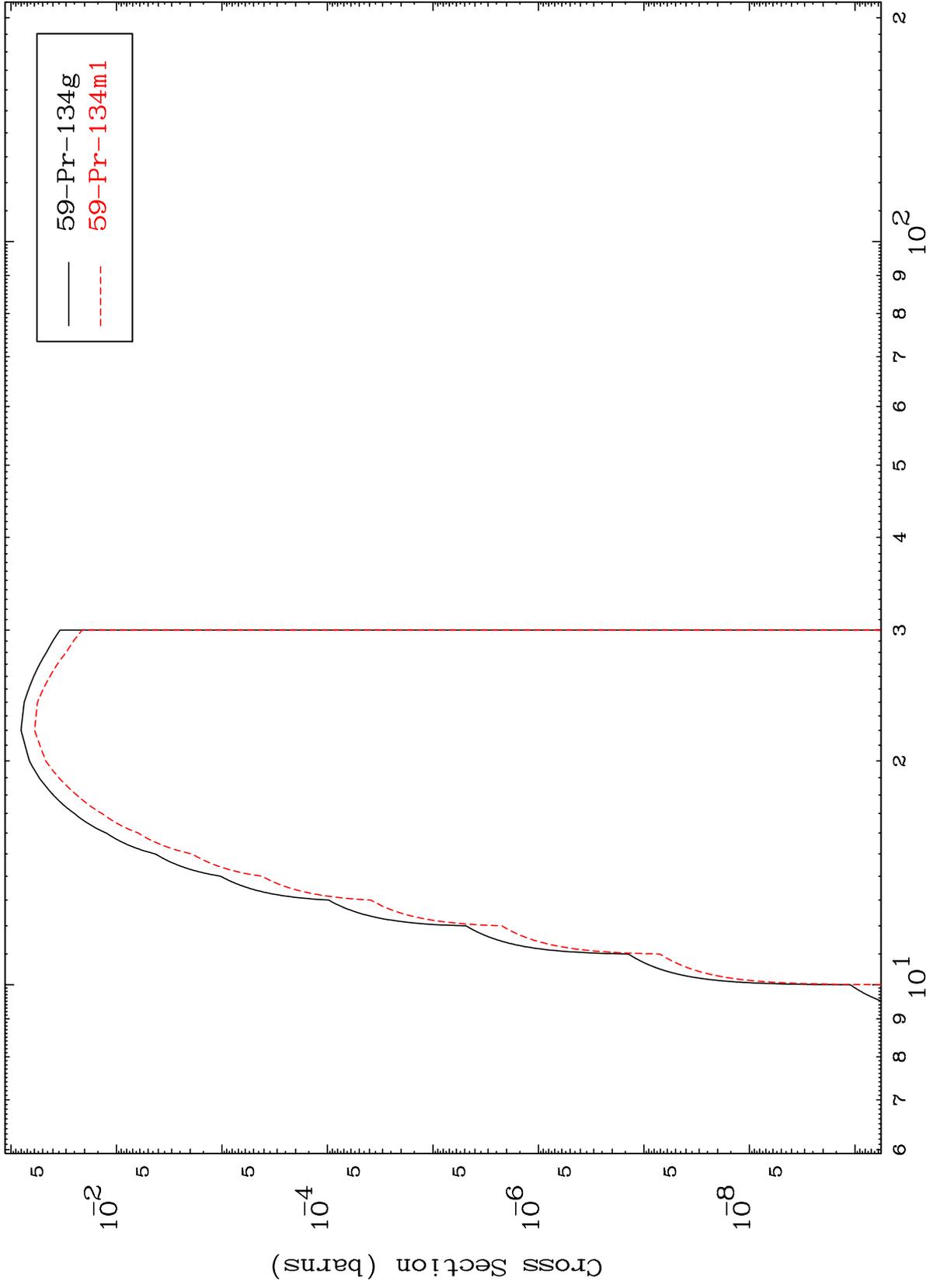


13

MAT 5810

58-Ce-131

(n,p)  
Radionuclide Production Cross Section



14

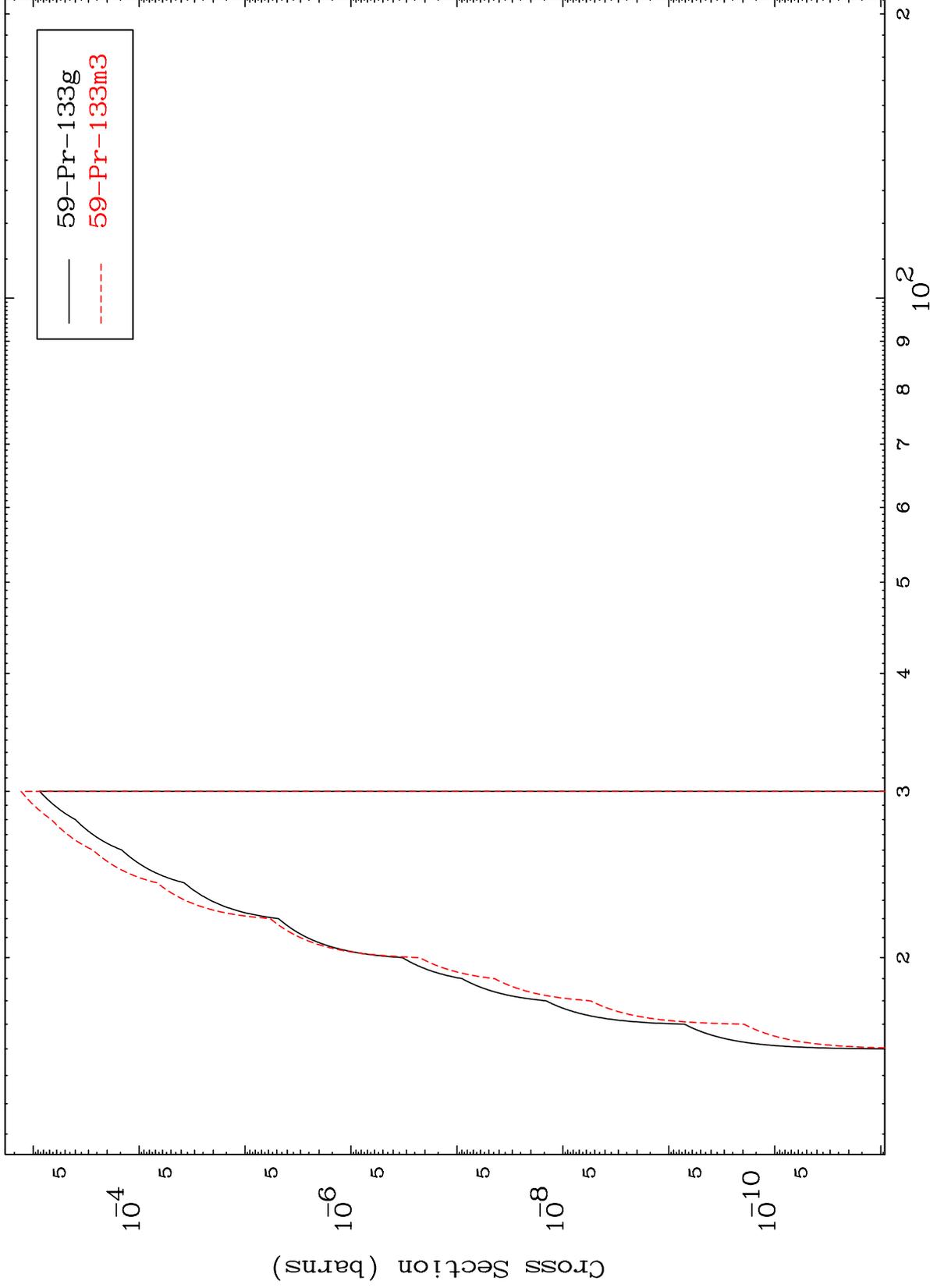
Incident Energy (MeV)

58-Ce-131

MAT 5810

58-Ce-131

(n,d)  
Radionuclide Production Cross Section



15

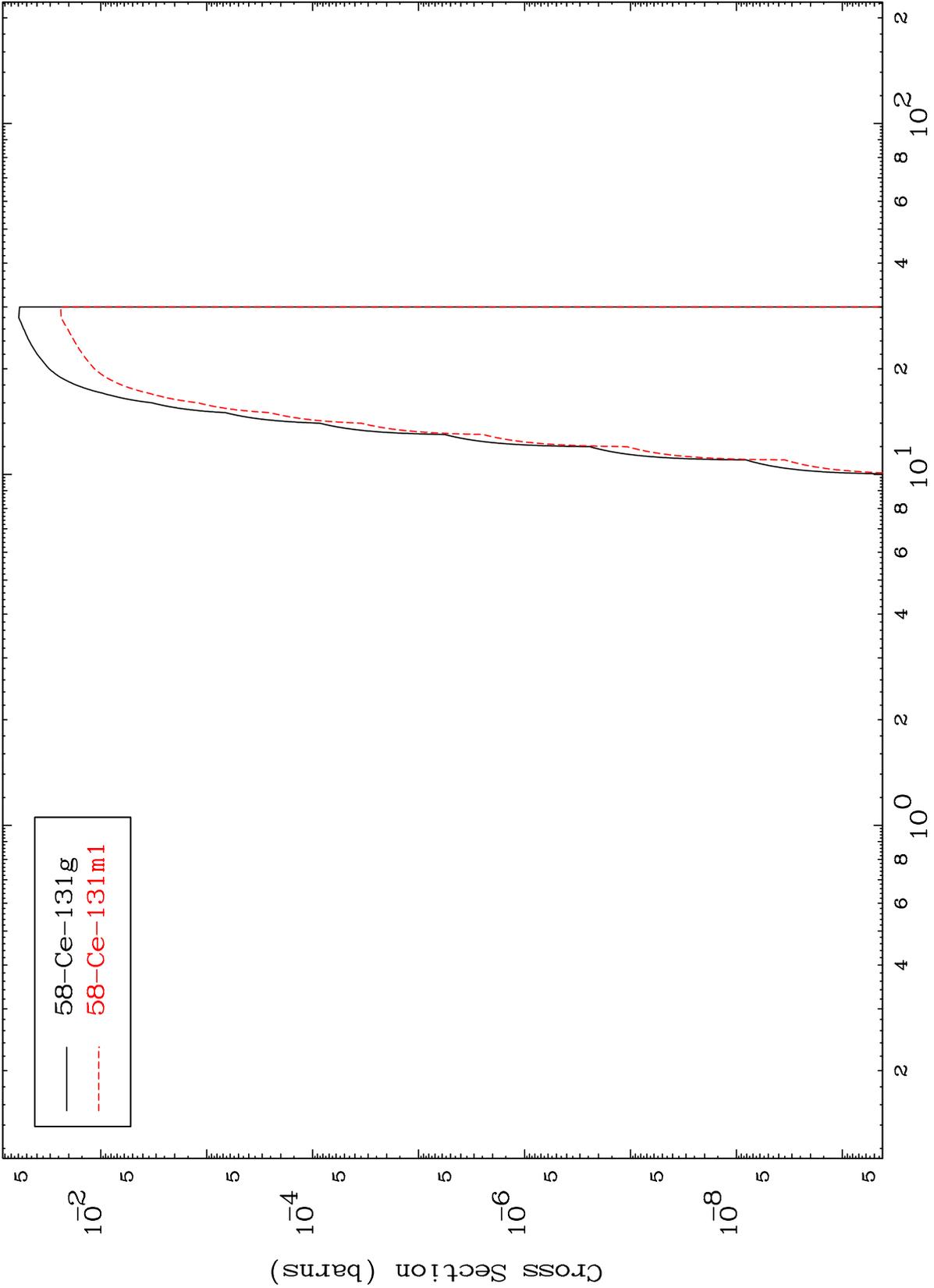
Incident Energy (MeV)

58-Ce-131

MAT 5810

58-Ce-131

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



— 58-Ce-131g  
- - - 58-Ce-131m1

58-Ce-131

Incident Energy (MeV)

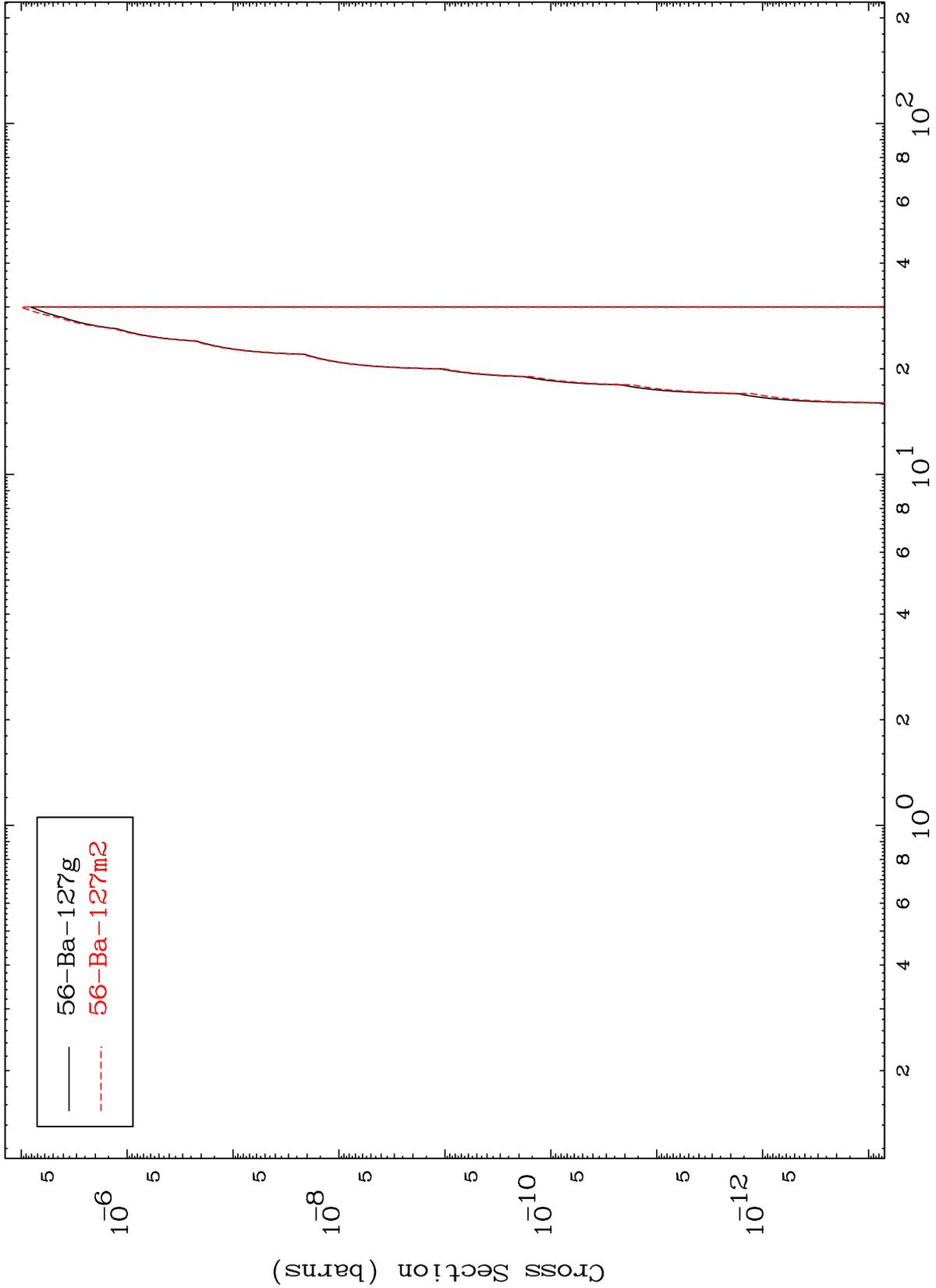
16

MAT 5810

(n,2α)

58-Ce-131

Radionuclide Production Cross Section

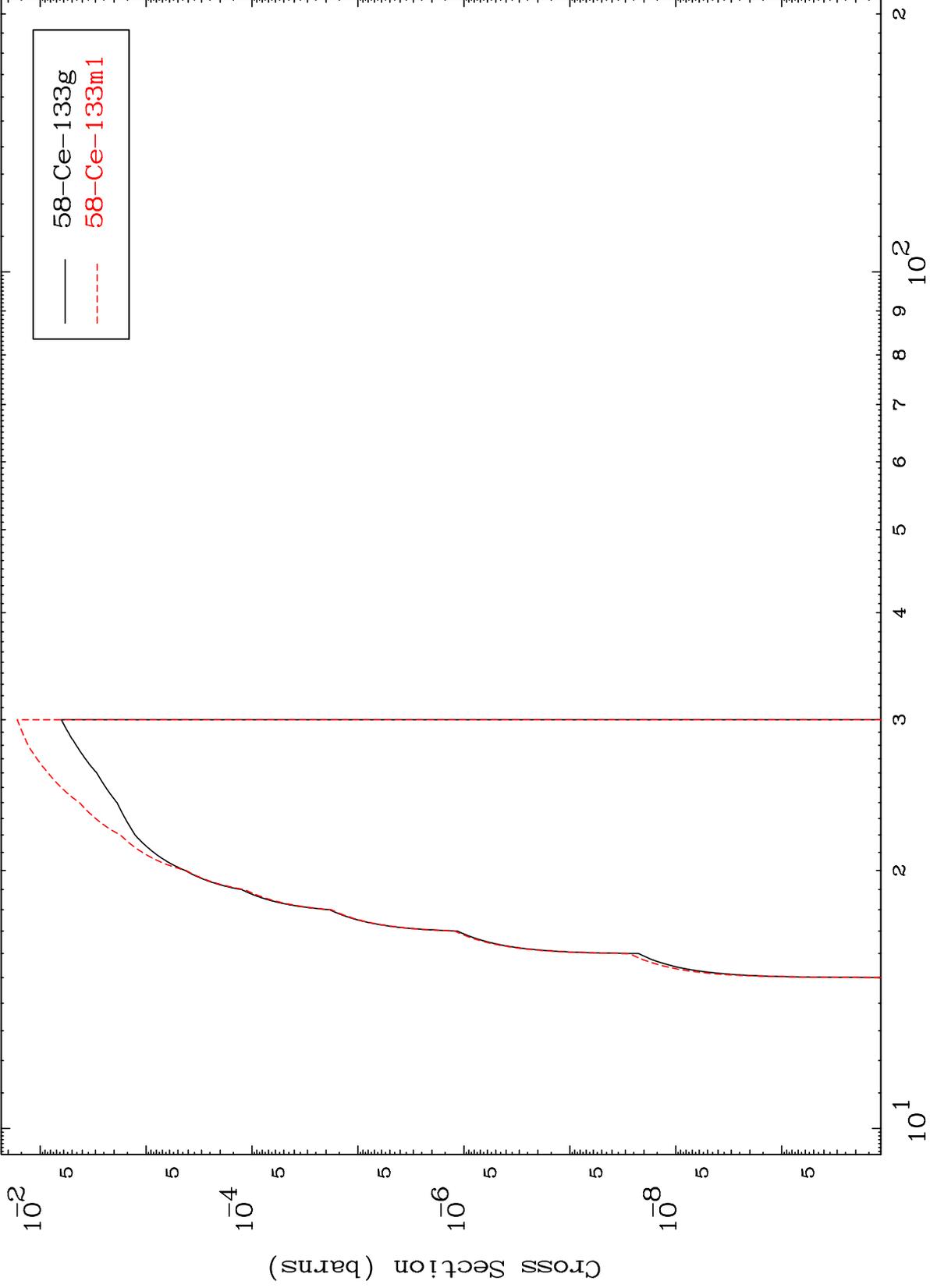


— 56-Ba-127g  
- - - 56-Ba-127m2

MAT 5810

58-Ce-131

(n,2p)  
Radionuclide Production Cross Section



58-Ce-131

Incident Energy (MeV)

18

$10^1$

2

4

5

6

7

8

9

$10^2$

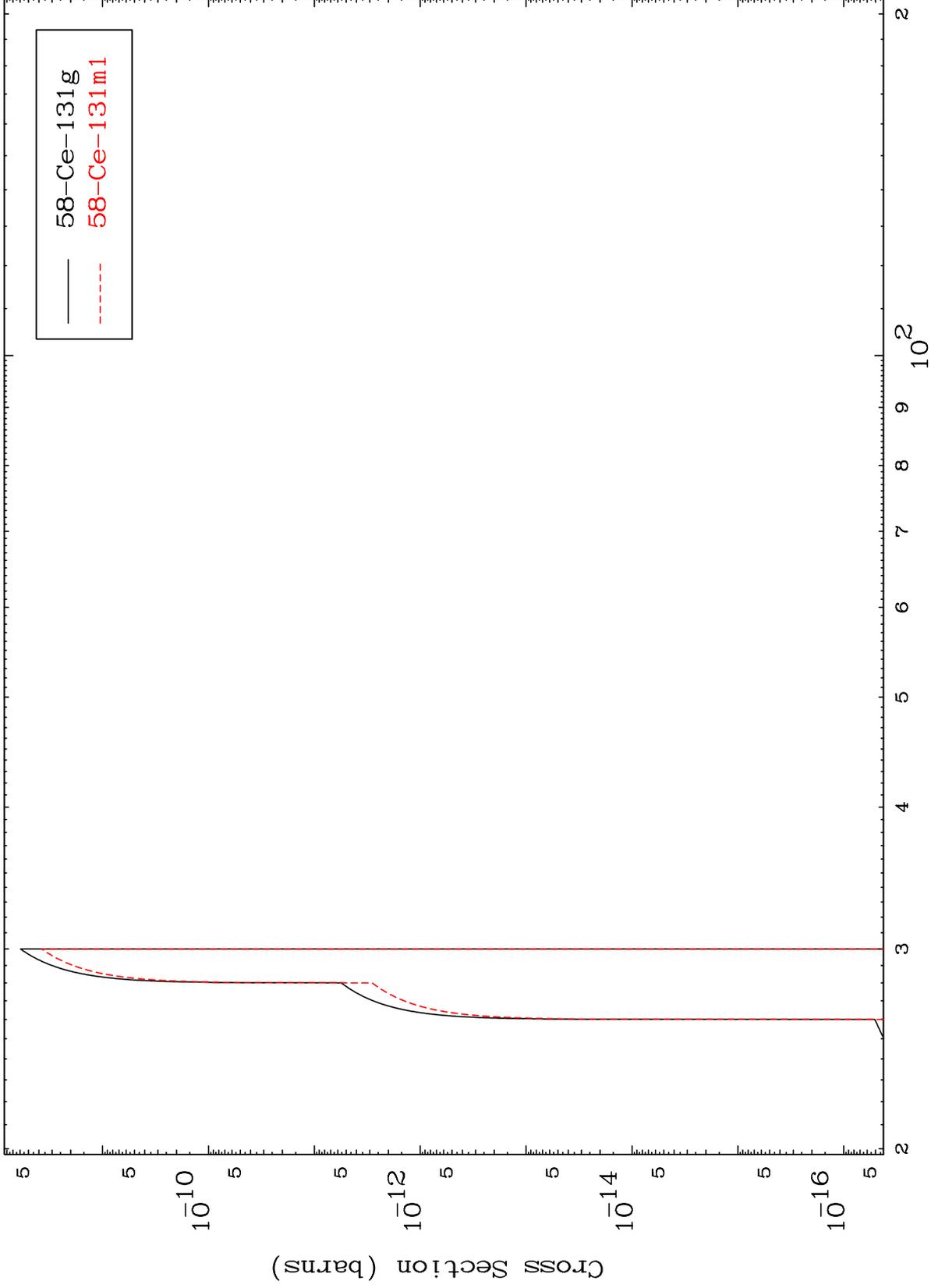
2

MAT 5810

(n,p) t

58-Ce-131

Radionuclide Production Cross Section



19

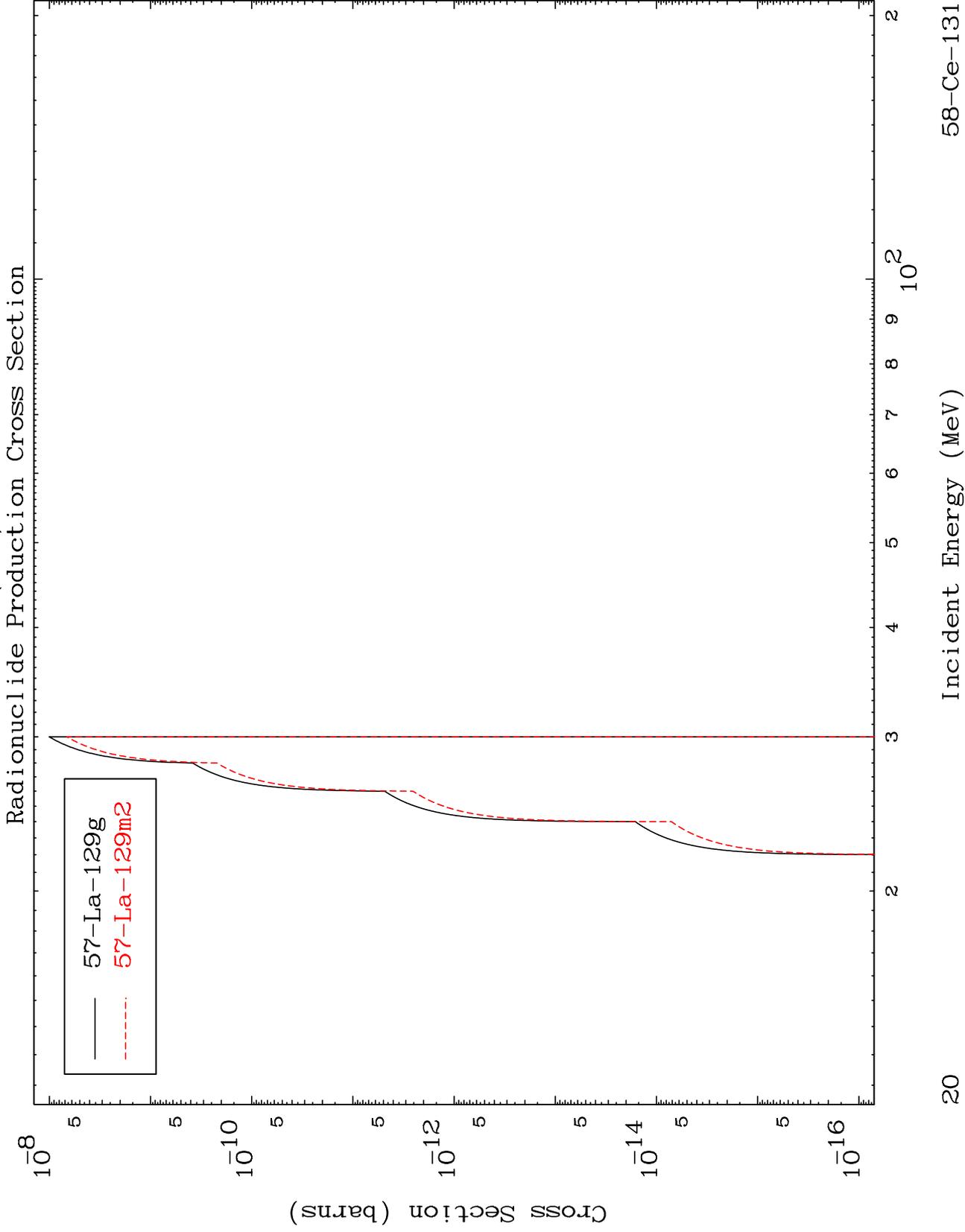
Incident Energy (MeV)

58-Ce-131

MAT 5810

(n,d)  $\alpha$

58-Ce-131



20

Incident Energy (MeV)

58-Ce-131