

Program EVALPLOT
(Version 2021-1)

by

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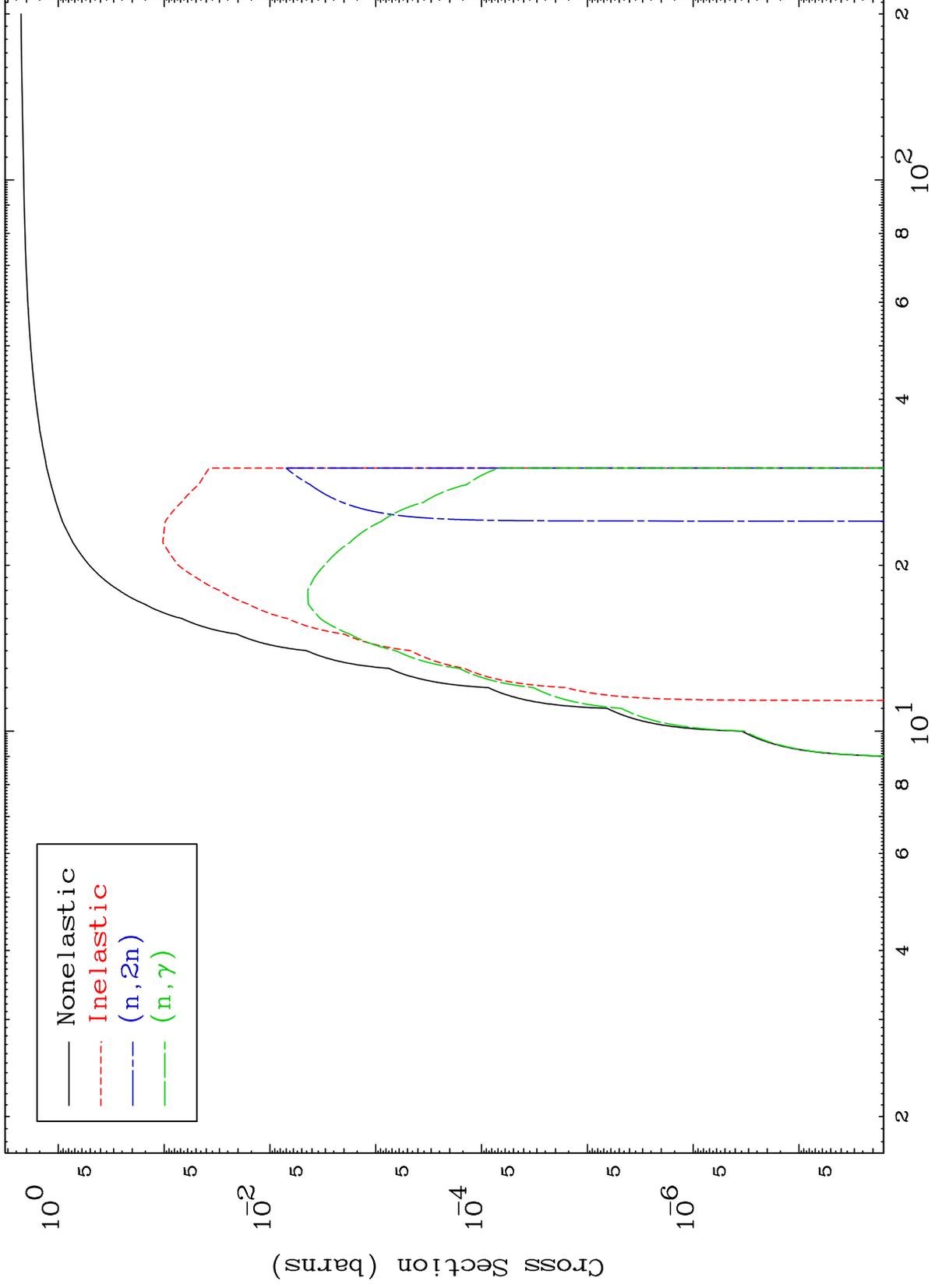
Press Mouse Button to Start

MAT 5799

0 Kelvin Cross Sections

α Major

58-Ce-127m



1

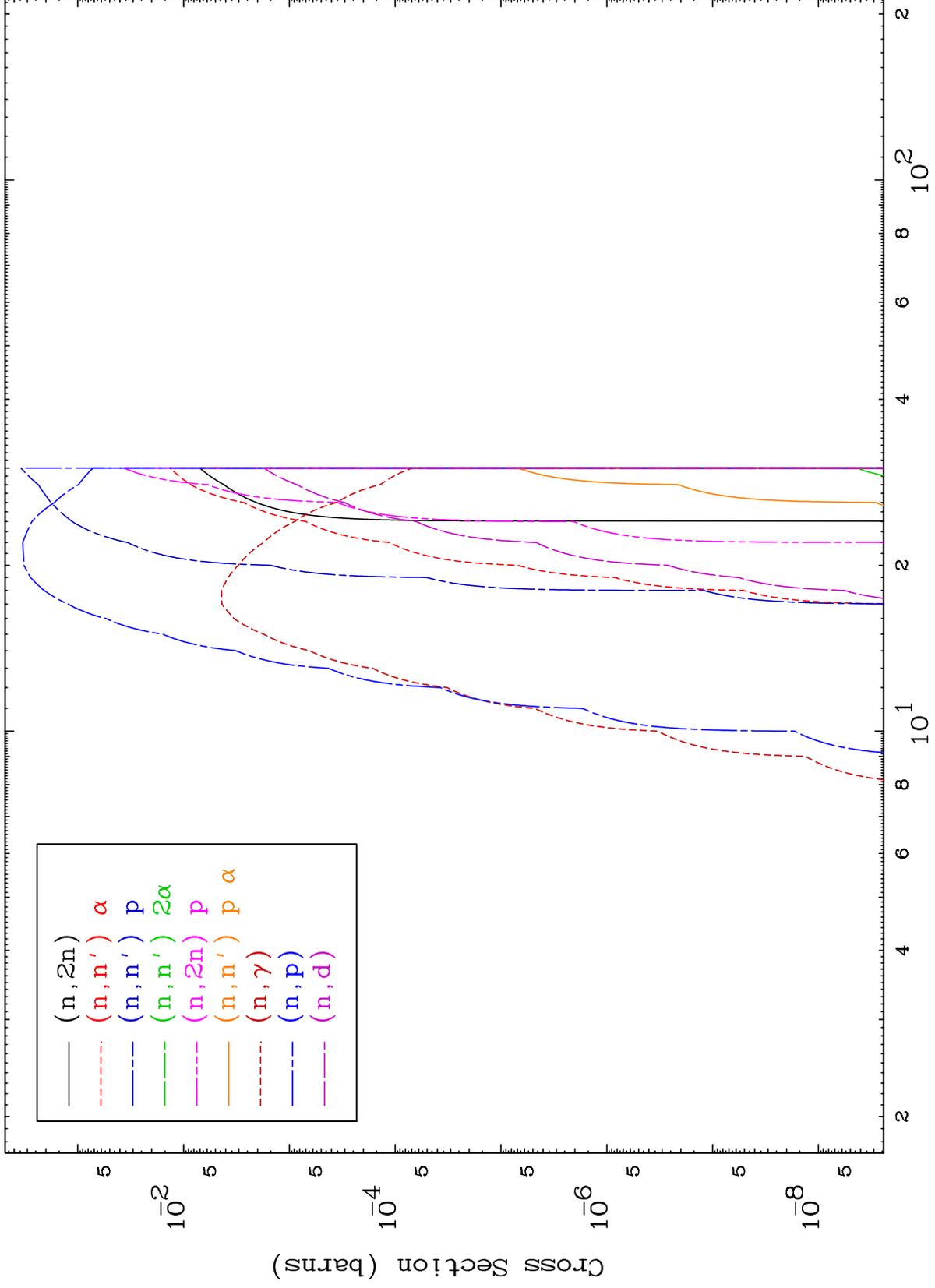
Incident Energy (MeV)

58-Ce-127m

MAT 5799

α Neutron Absorption
0 Kelvin Cross Sections

58-Ce-127m



2

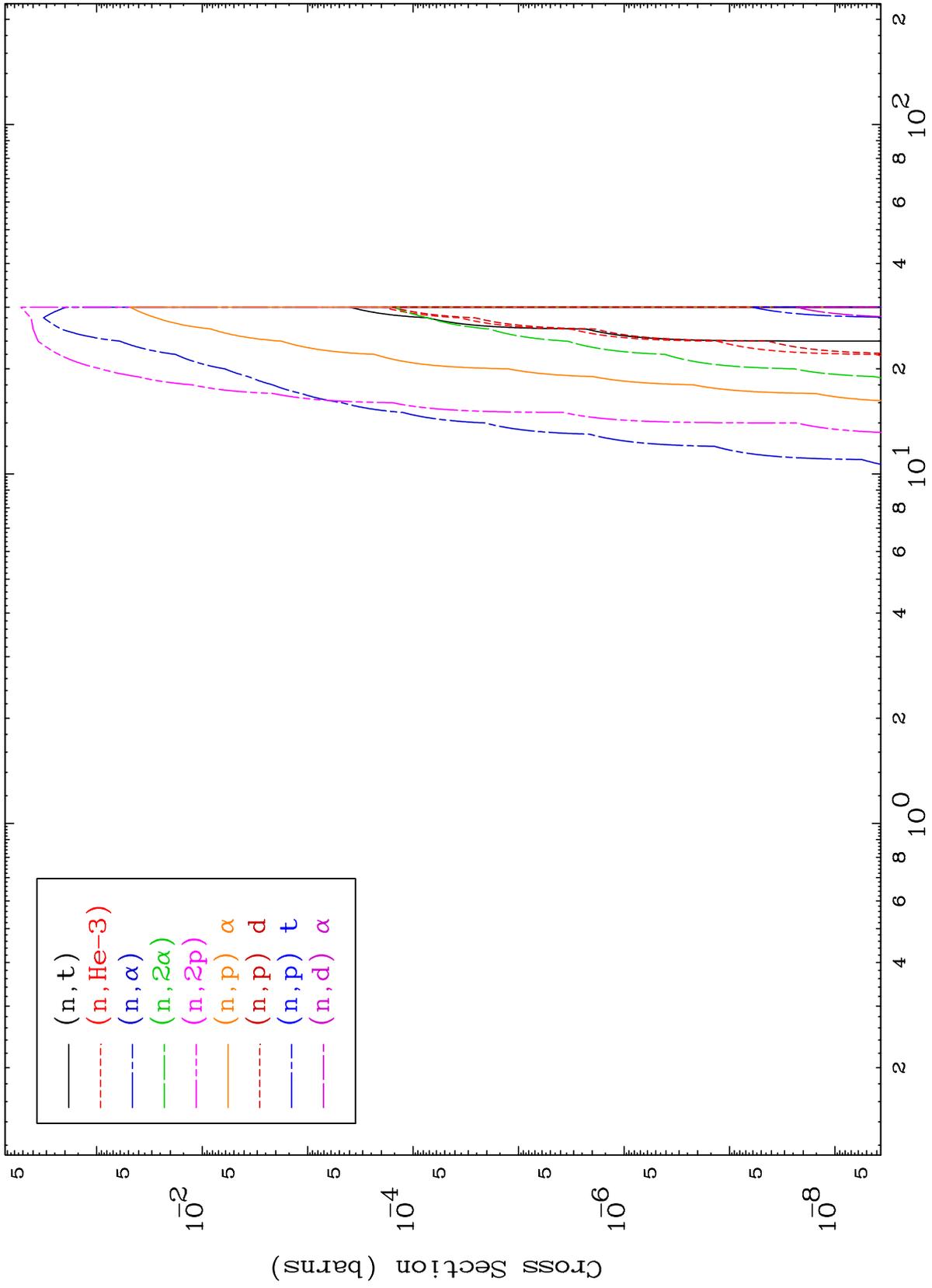
Incident Energy (MeV)

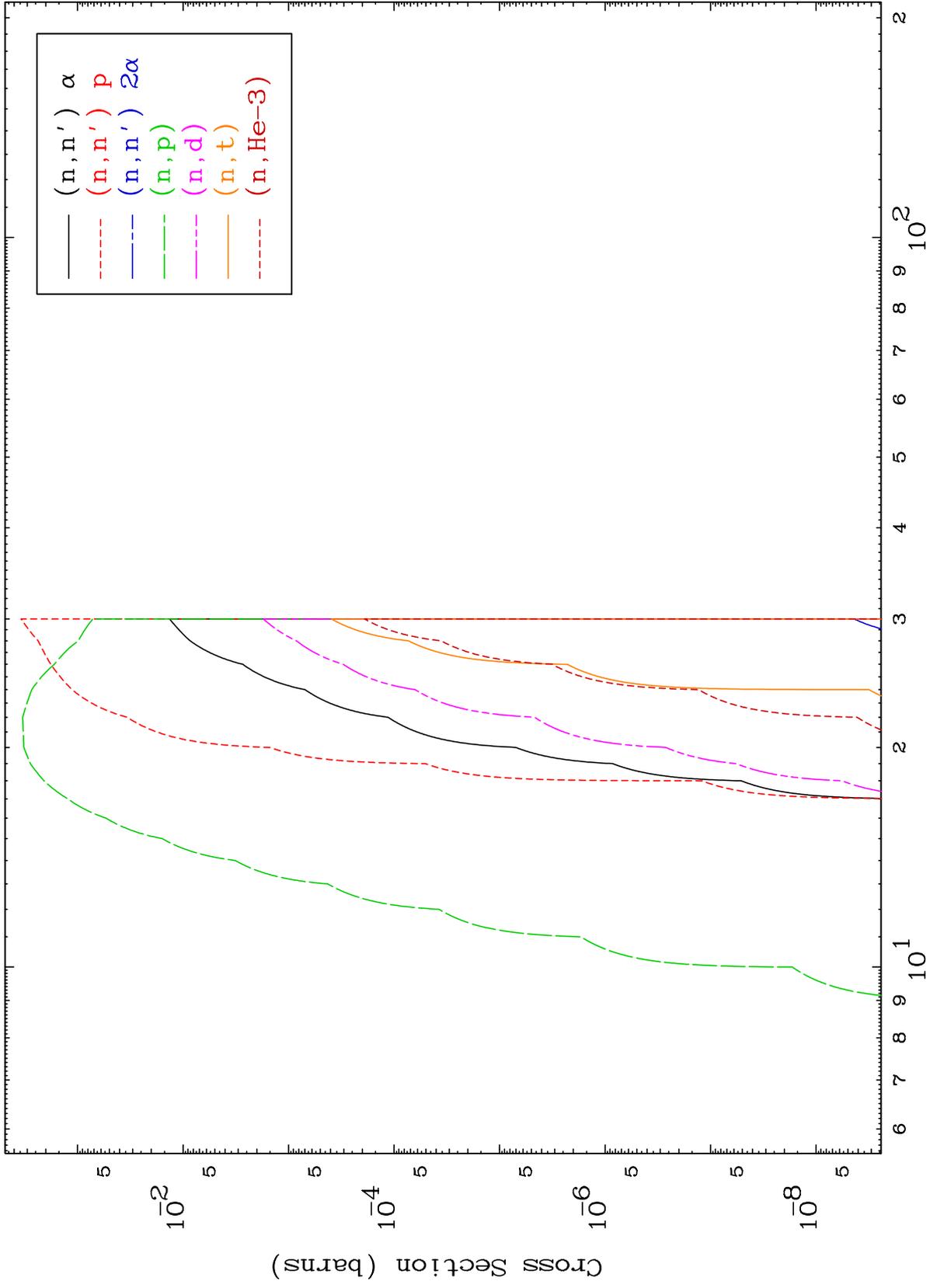
58-Ce-127m

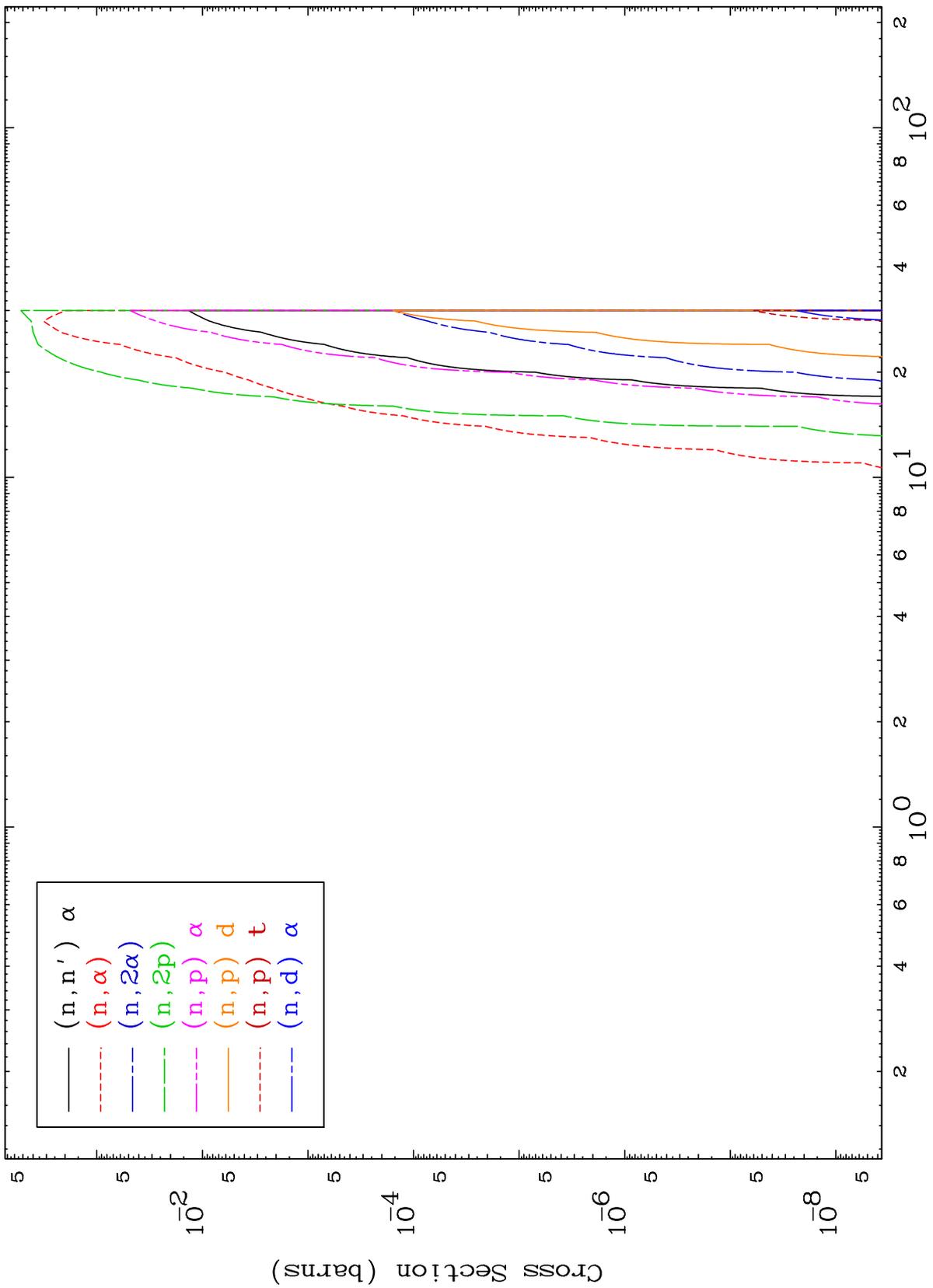
MAT 5799

α Neutron Absorption
0 Kelvin Cross Sections

58-Ce-127m



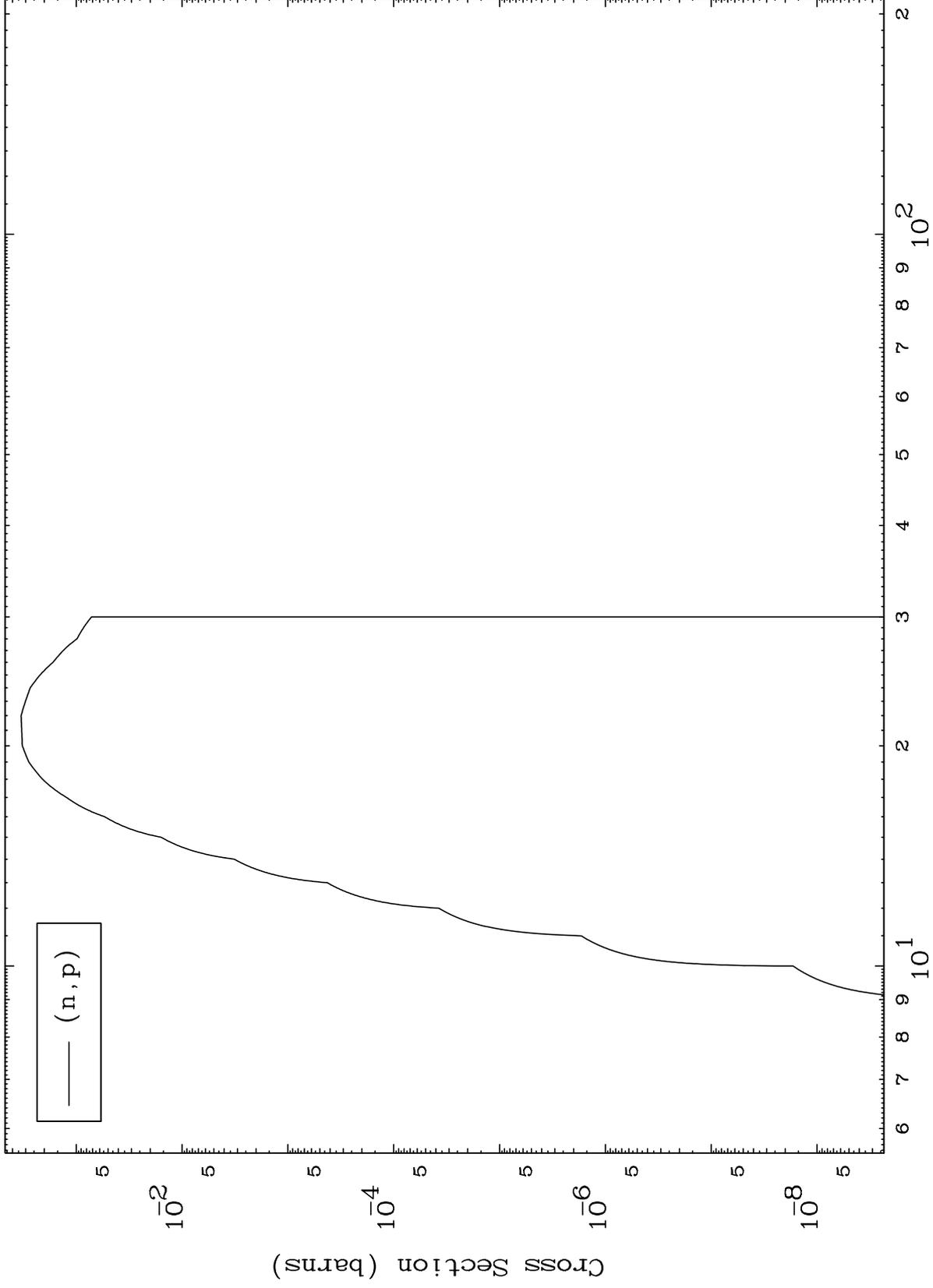




MAT 5799

(α, p) Levels
0 Kelvin Cross Sections

58-Ce-127m



6

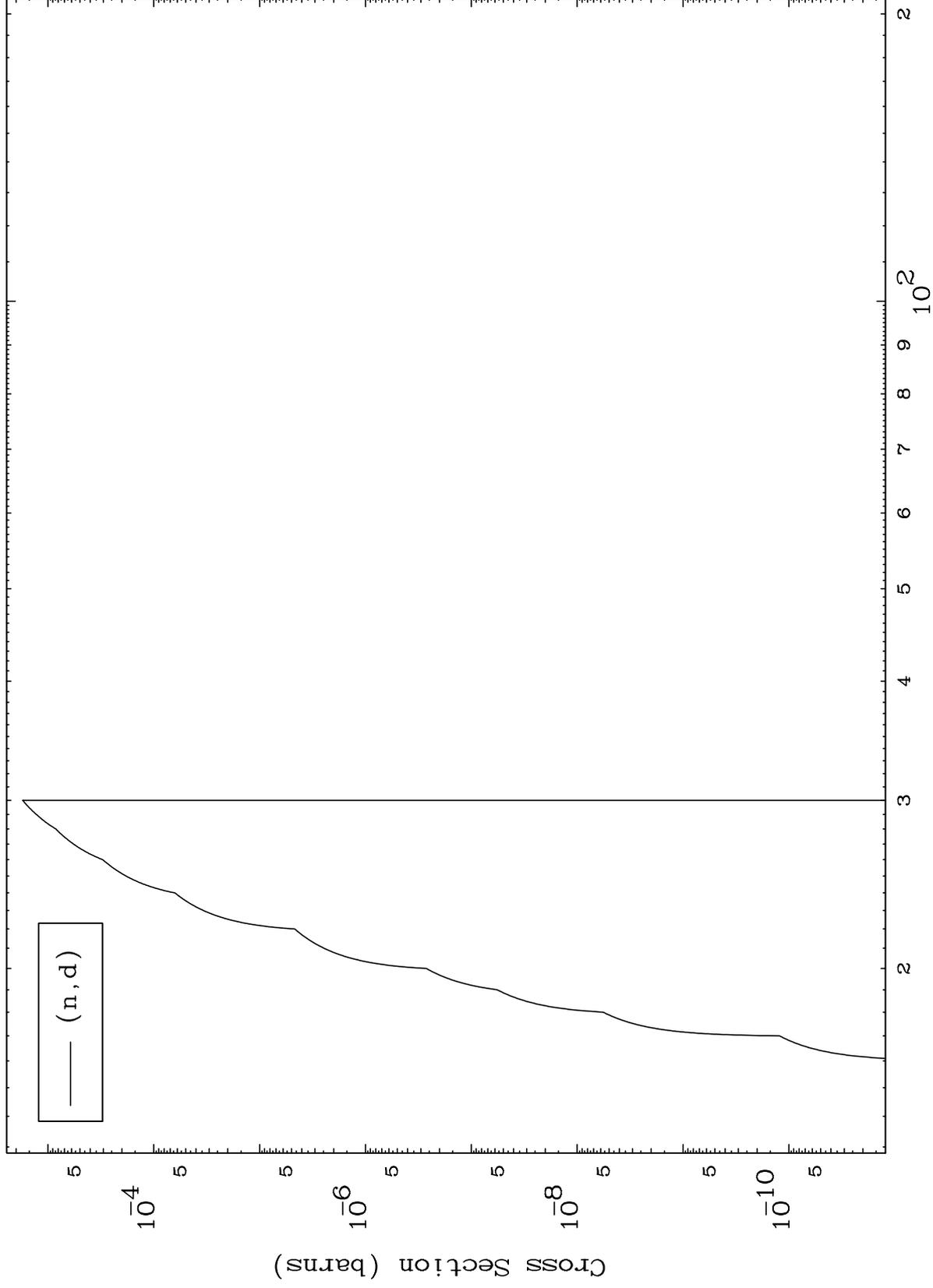
Incident Energy (MeV)

58-Ce-127m

MAT 5799

(α, d) Levels
0 Kelvin Cross Sections

58-Ce-127m



7

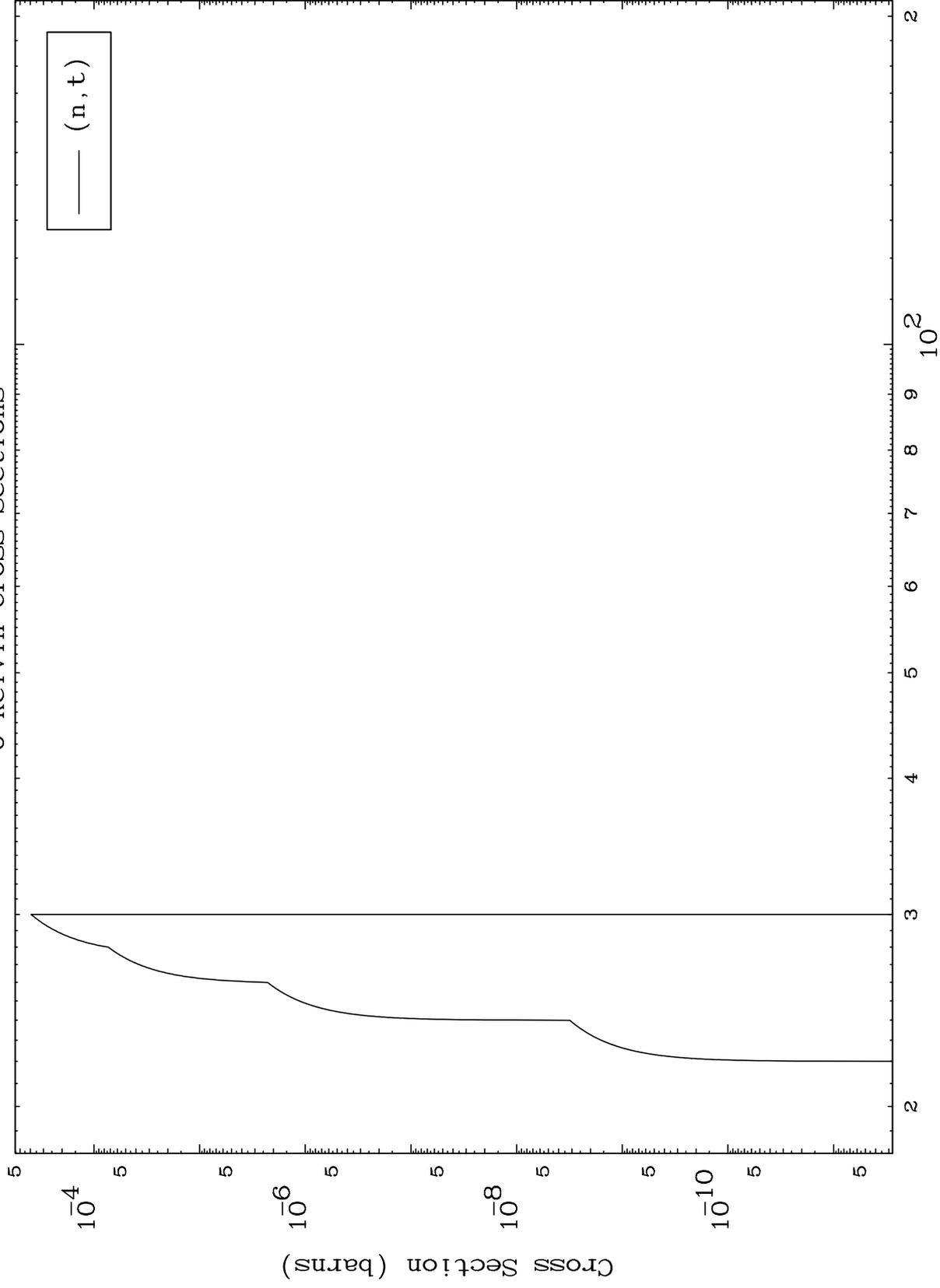
Incident Energy (MeV)

58-Ce-127m

MAT 5799

(α, t) Levels
0 Kelvin Cross Sections

58-Ce-127m



8

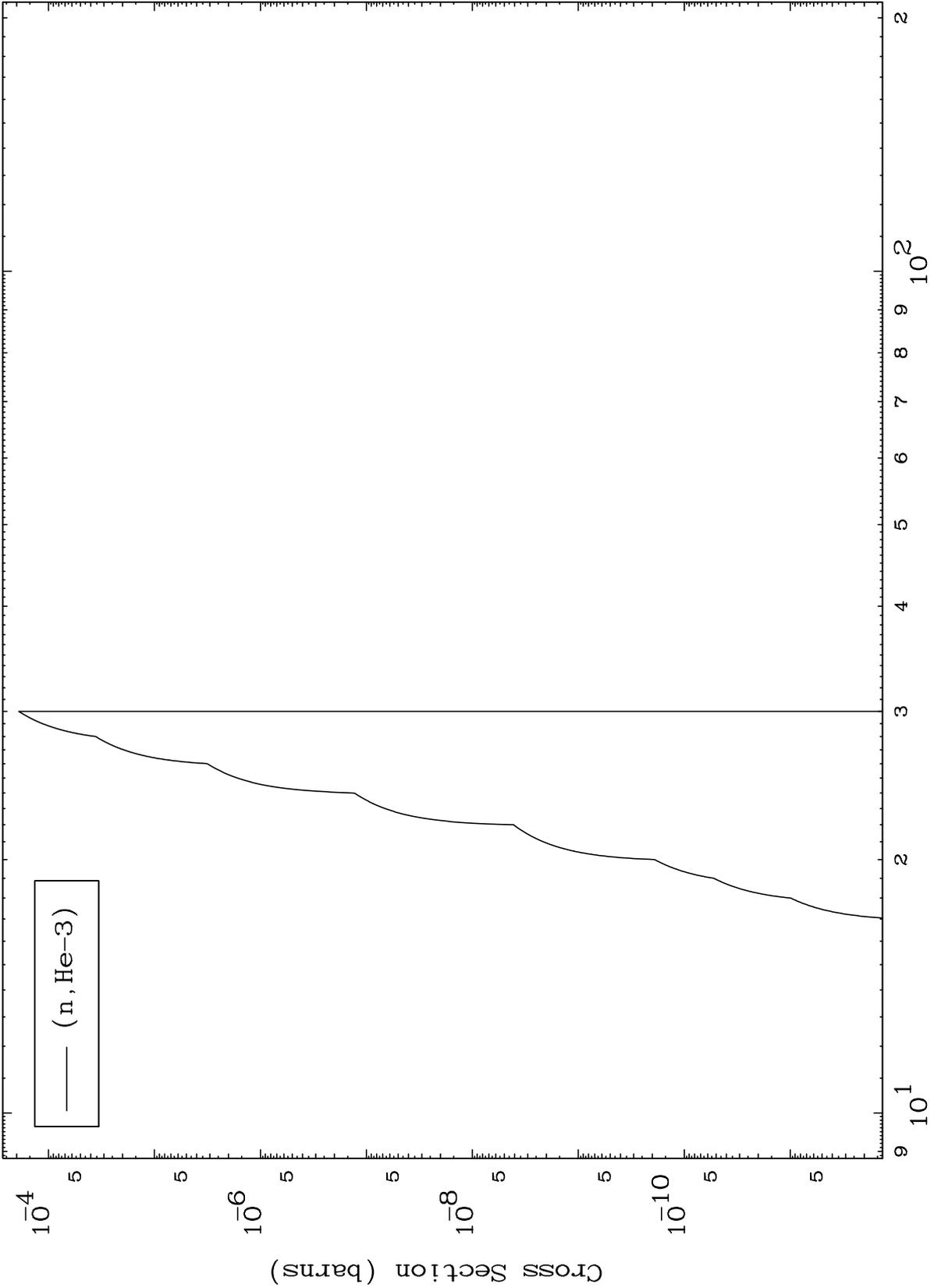
Incident Energy (MeV)

58-Ce-127m

MAT 5799

(α ,He3) Levels
0 Kelvin Cross Sections

58-Ce-127m



9

Incident Energy (MeV)

58-Ce-127m

10^2

9

8

7

6

5

4

3

2

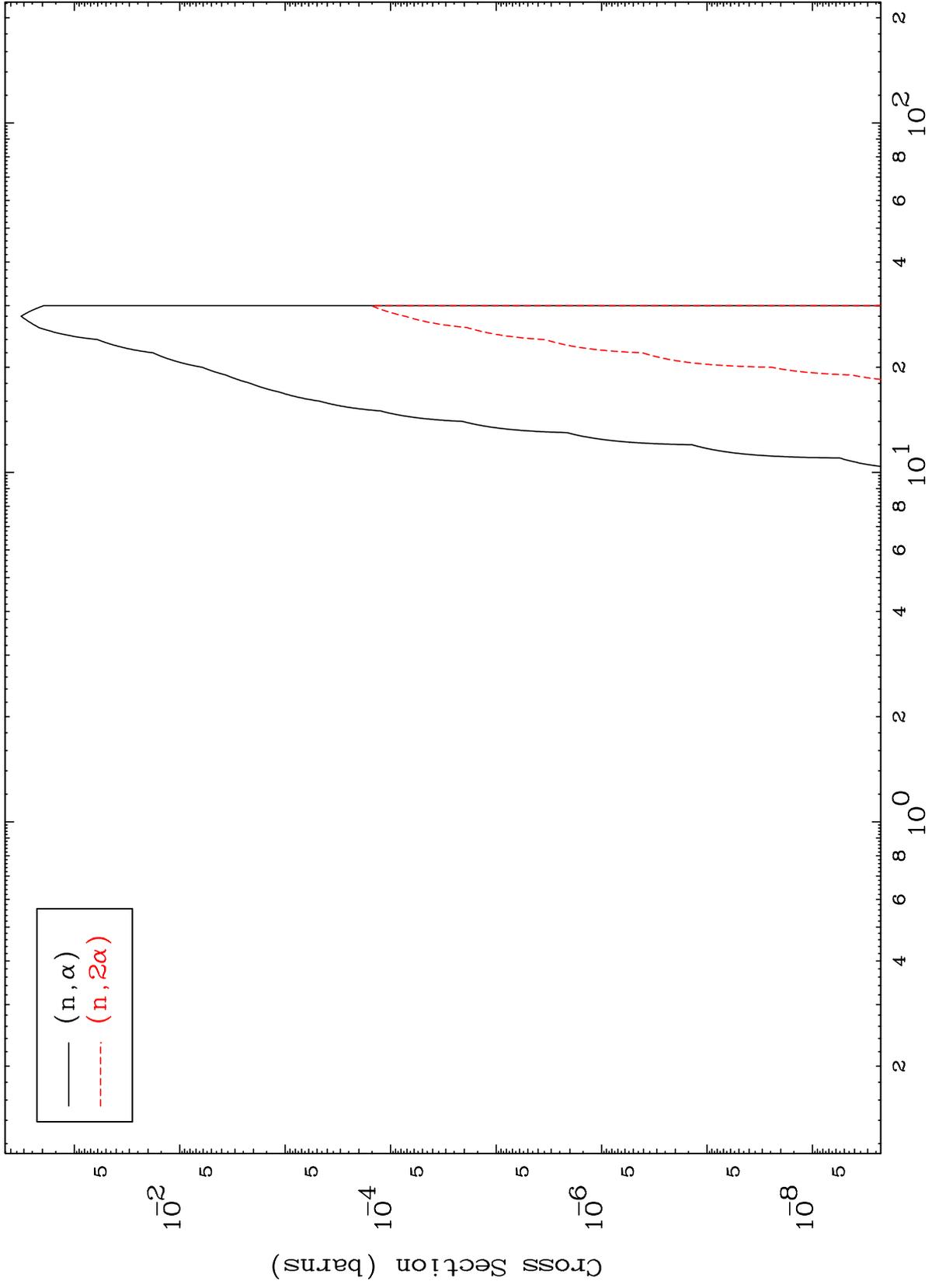
1

0

MAT 5799

(α, α) Levels
0 Kelvin Cross Sections

58-Ce-127m



— (n, α)
- - - (n, 2α)

10

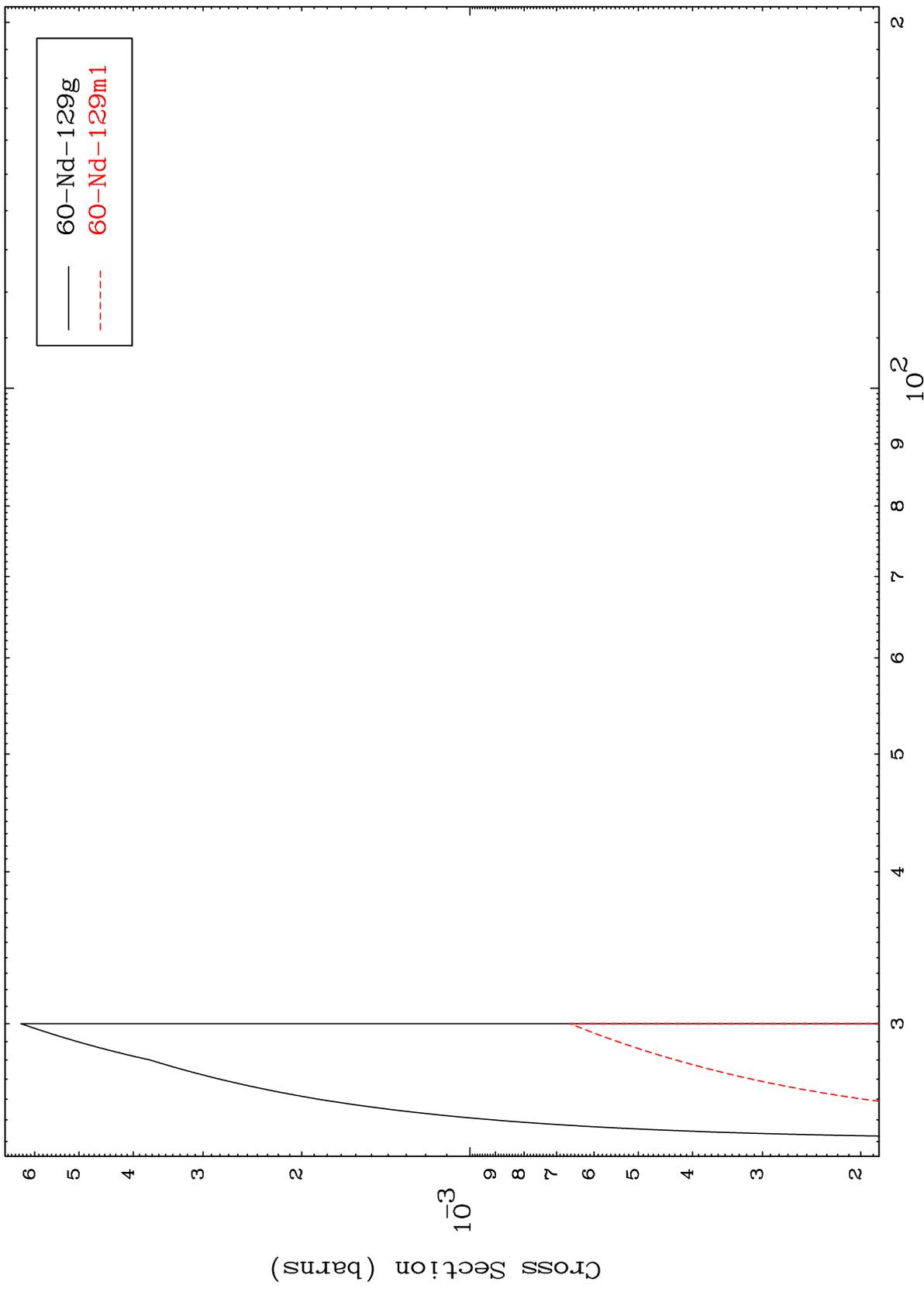
Incident Energy (MeV)

58-Ce-127m

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58-Ce-127m

(n,2n)
Radionuclide Production Cross Section



11

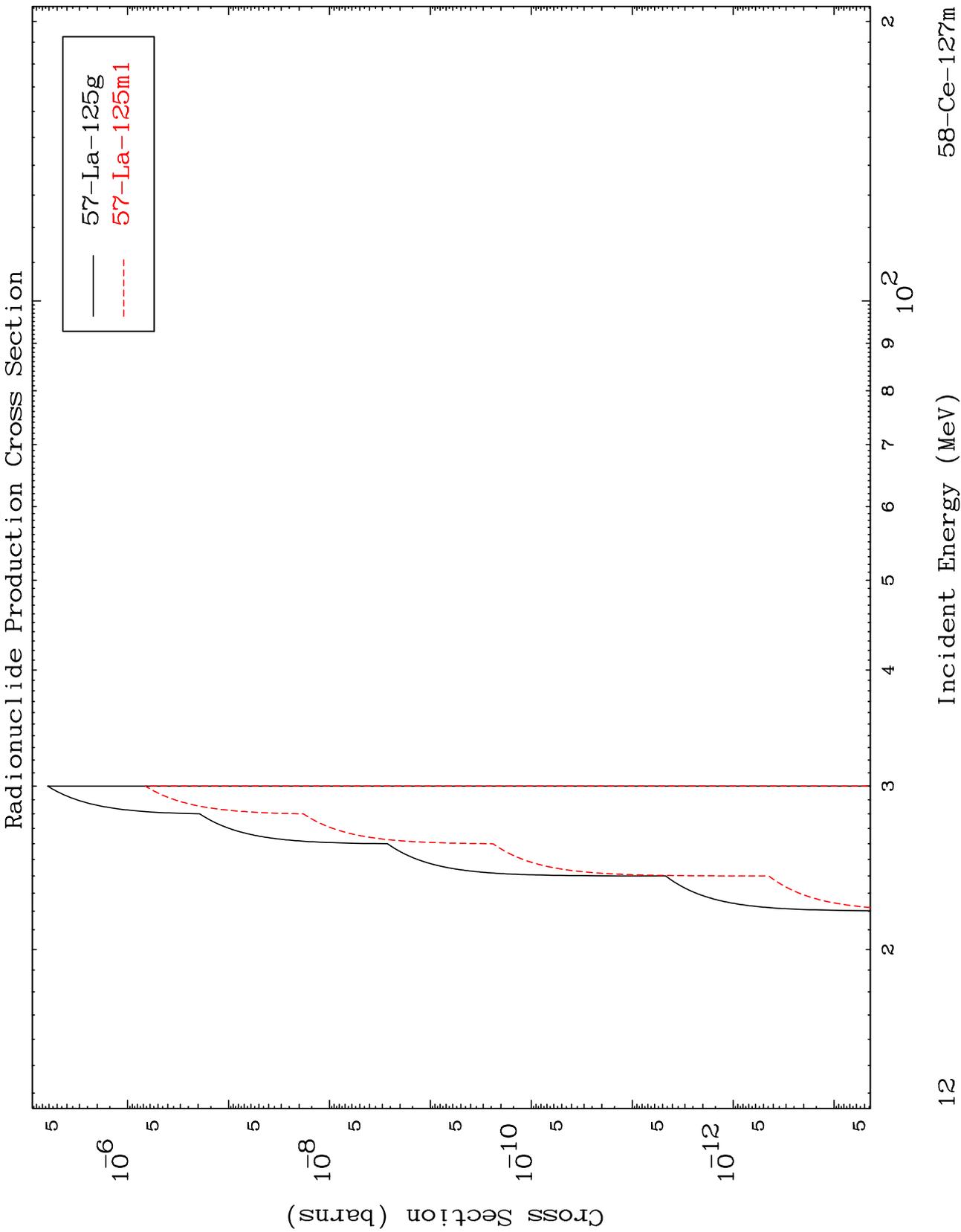
58-Ce-127m

Incident Energy (MeV)

MAT 5799

(n,n') p α

58-Ce-127m

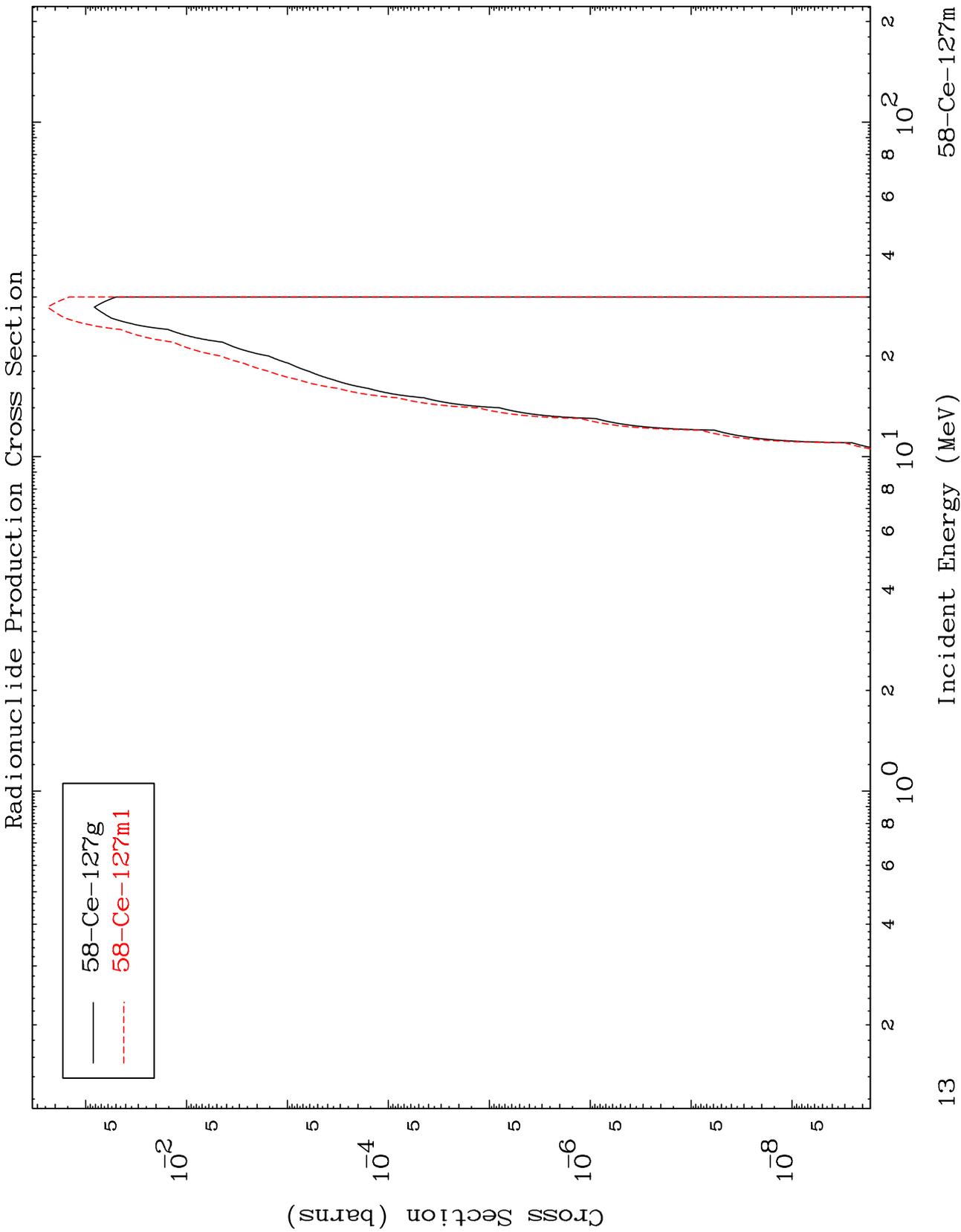


12

58-Ce-127m

MAT 5799

58-Ce-127m

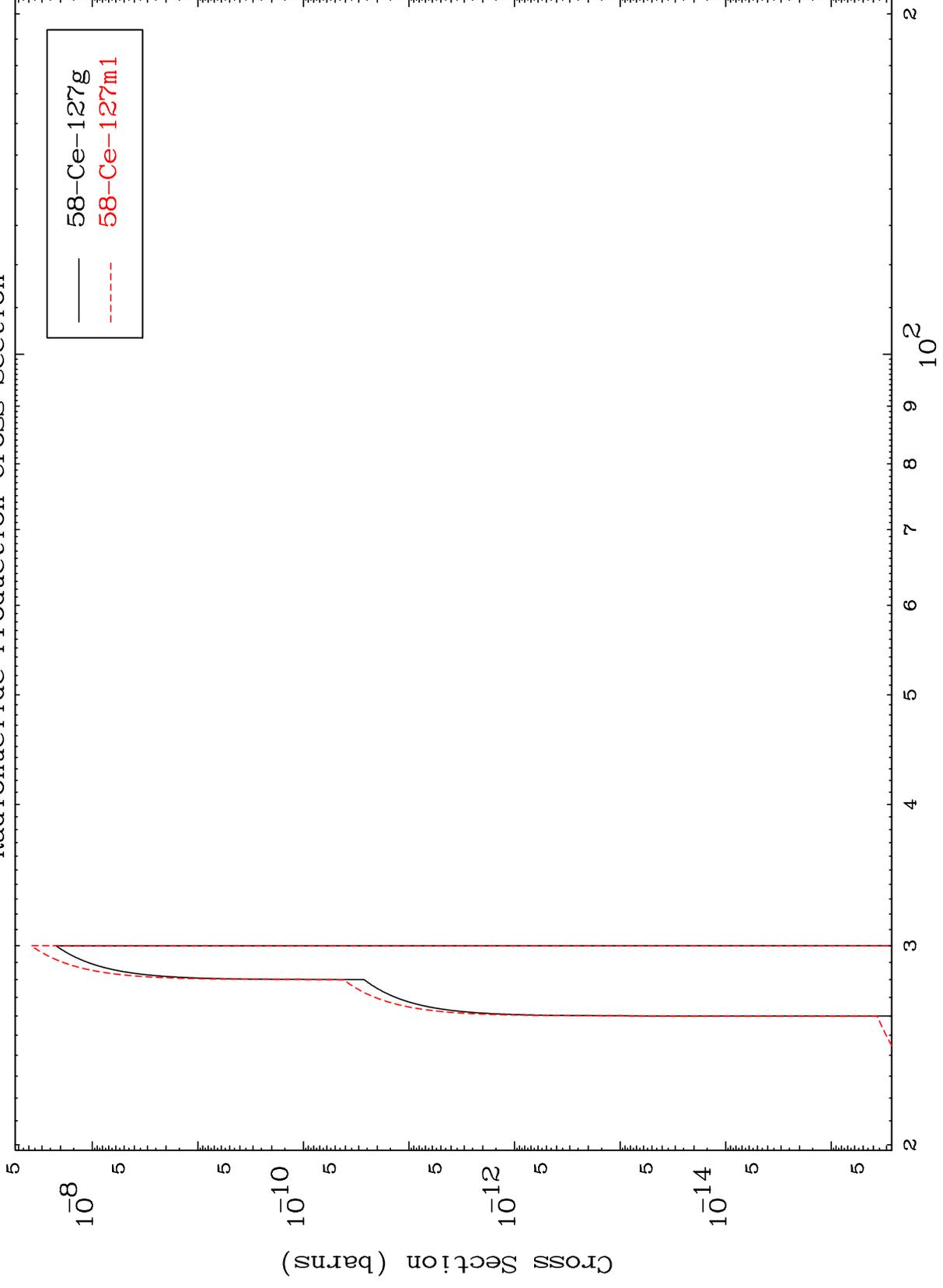


MAT 5799

(n,p) t

58-Ce-127m

Radionuclide Production Cross Section



58-Ce-127g
58-Ce-127m1

14

Incident Energy (MeV)

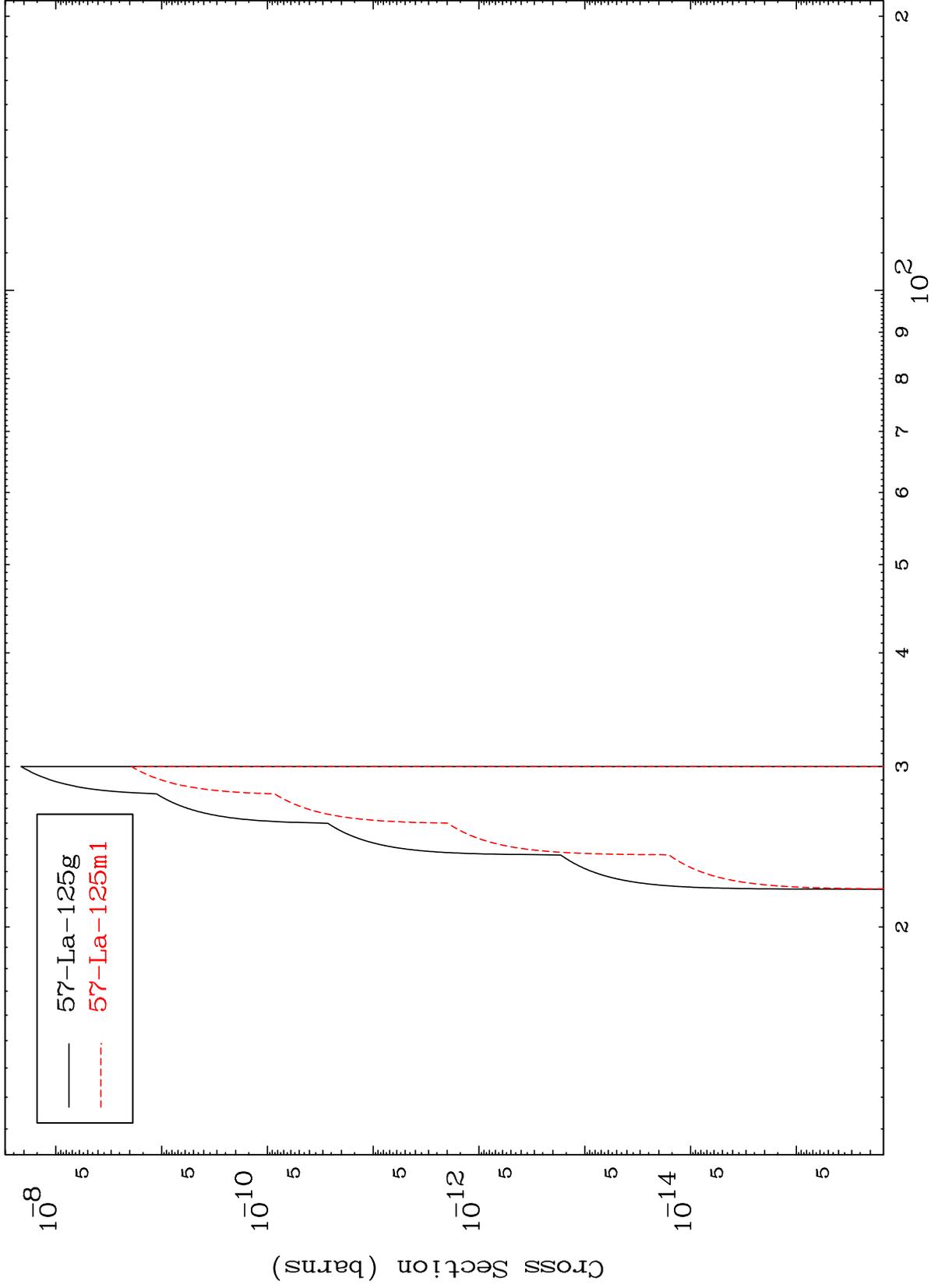
58-Ce-127m

MAT 5799

(n,d) α

58-Ce-127m

Radionuclide Production Cross Section



15

Incident Energy (MeV)

58-Ce-127m