

Program EVALPLOT  
(Version 2021-1)

by

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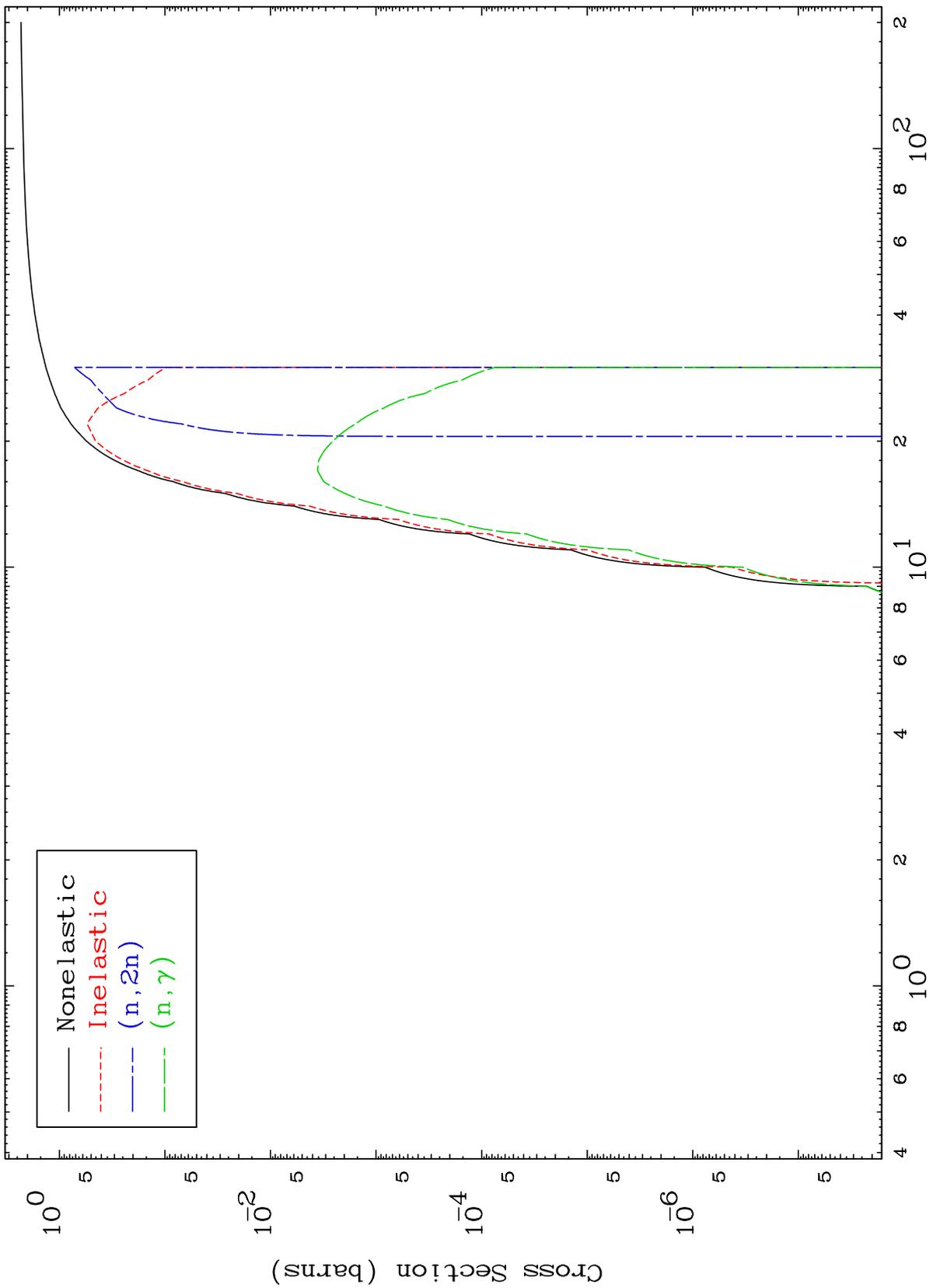
Press Mouse Button to Start

MAT 5816

0 Kelvin

Major Cross Sections

58-Ce-133



1

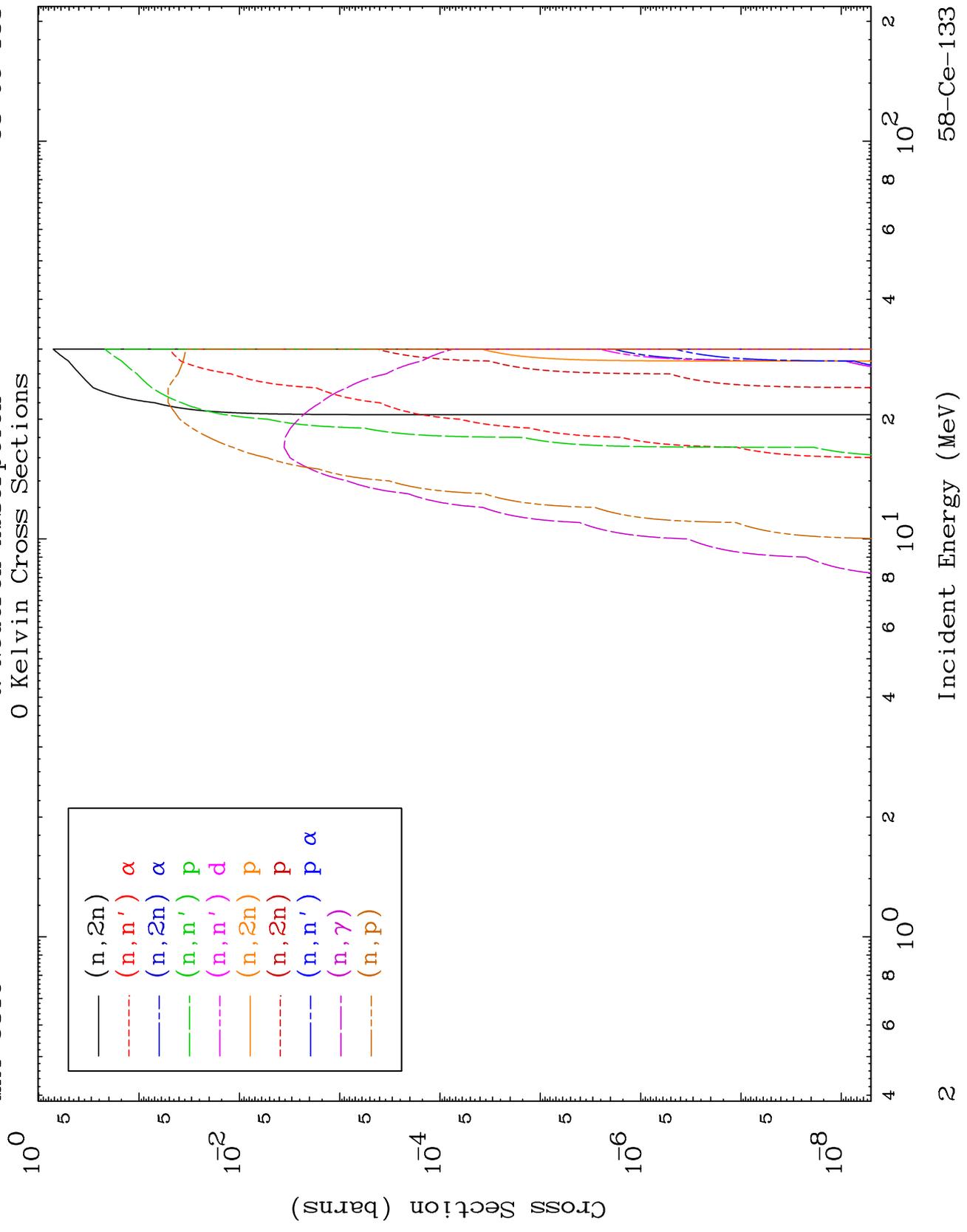
Incident Energy (MeV)

58-Ce-133

MAT 5816

$\alpha$  Neutron Absorption

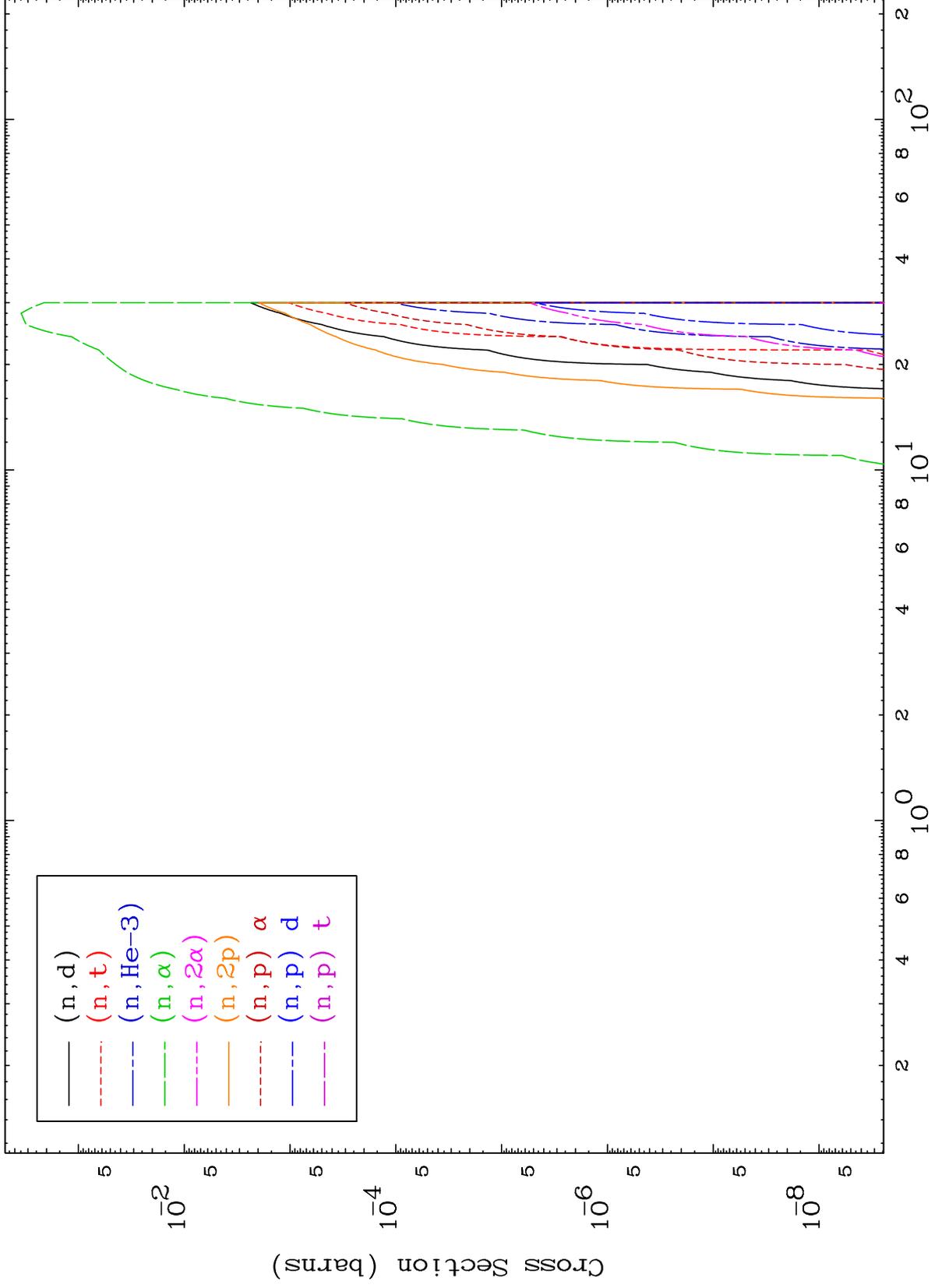
58-Ce-133

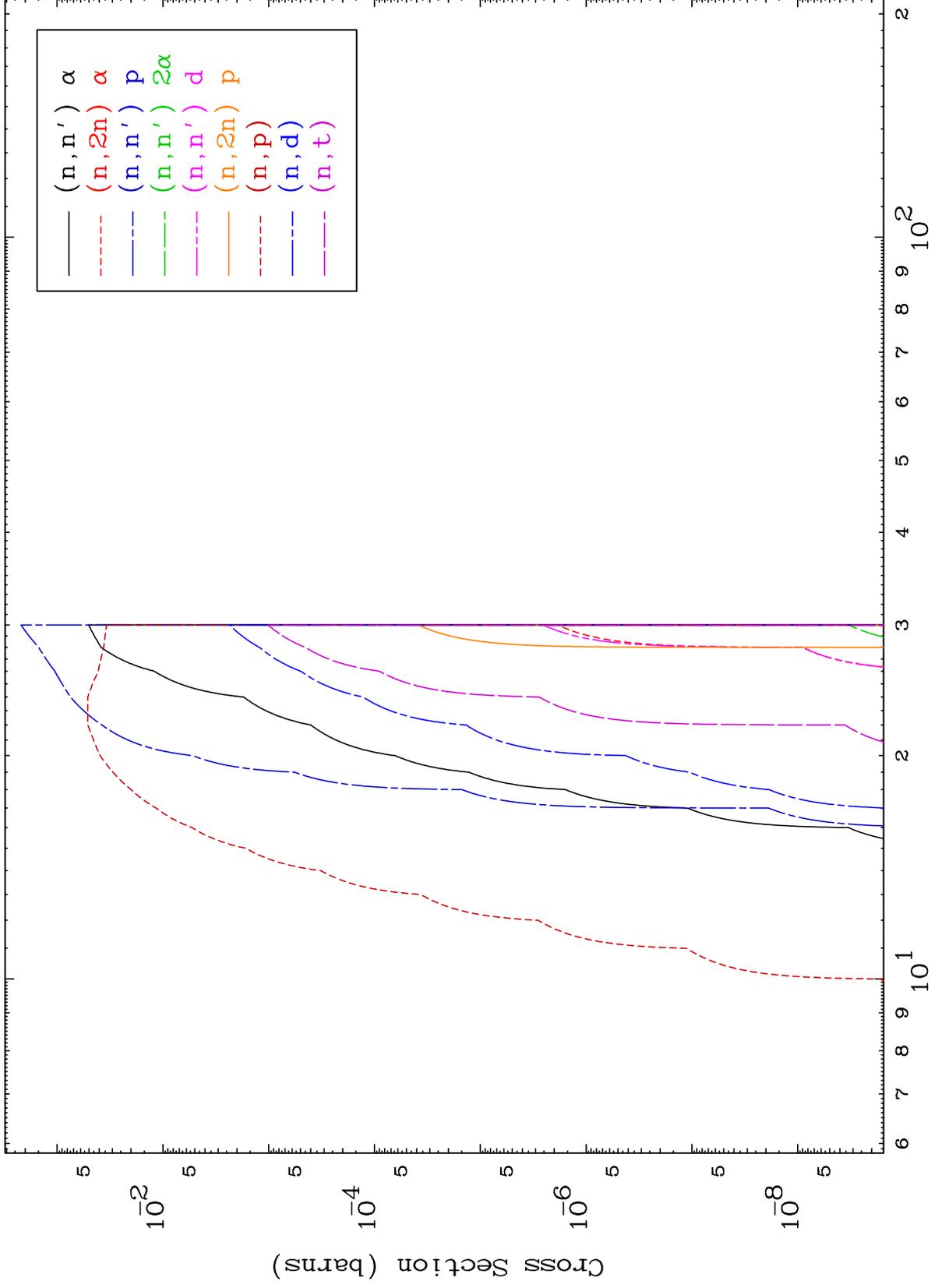


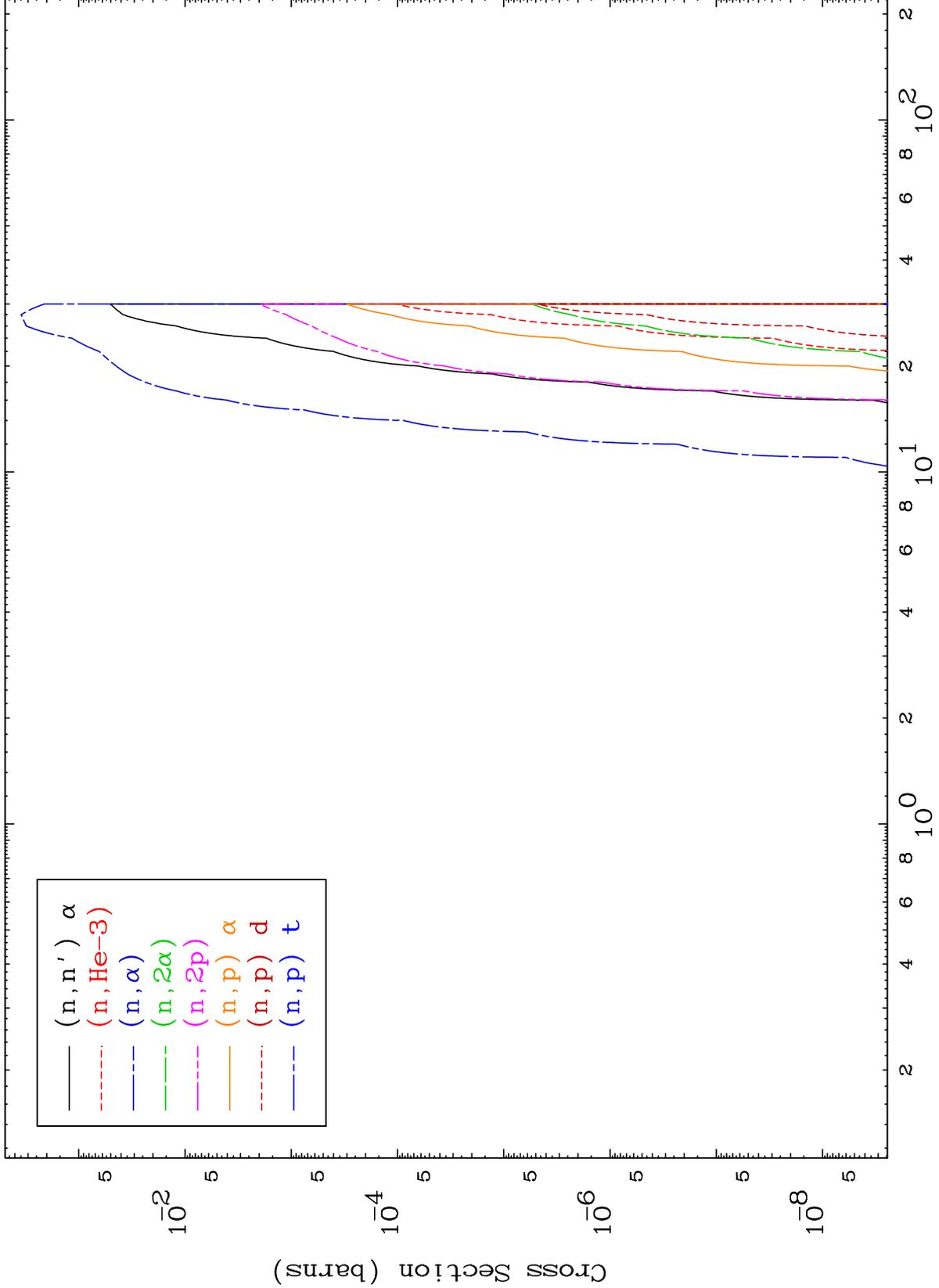
MAT 5816

$\alpha$  Neutron Absorption  
0 Kelvin Cross Sections

58-Ce-133





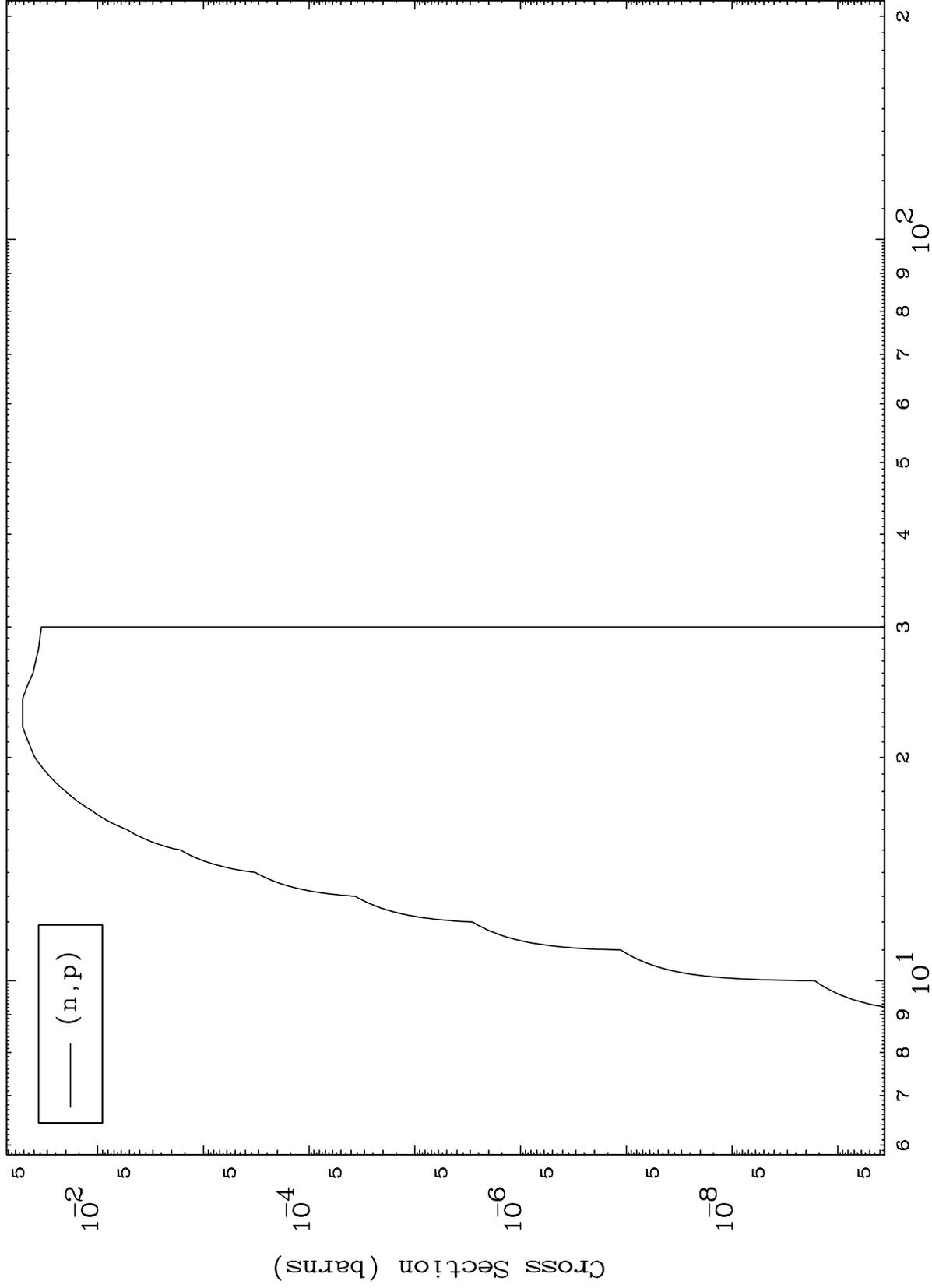


MAT 5816

( $\alpha, p$ ) Levels

58-Ce-133

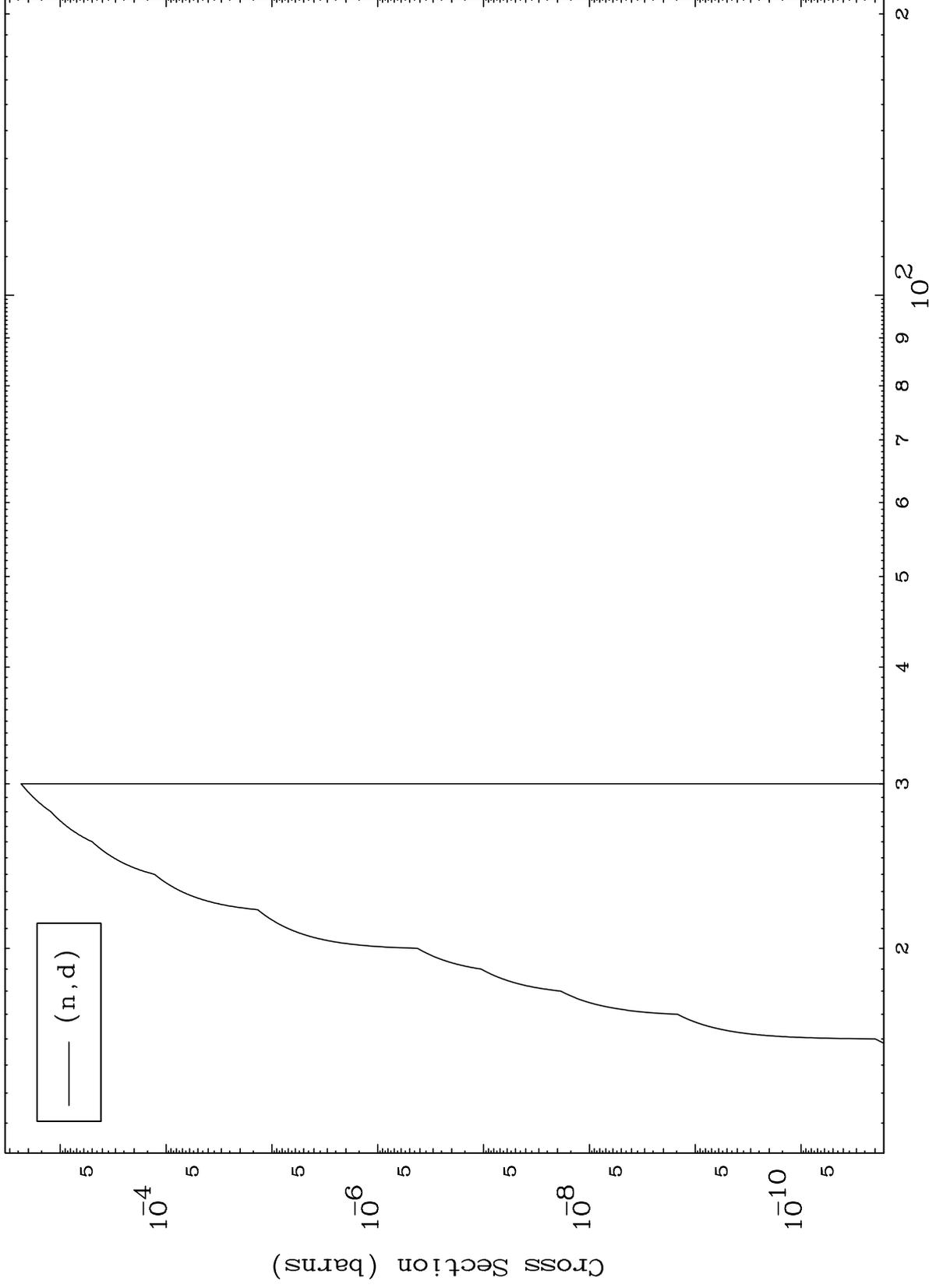
0 Kelvin Cross Sections



Incident Energy (MeV)

58-Ce-133

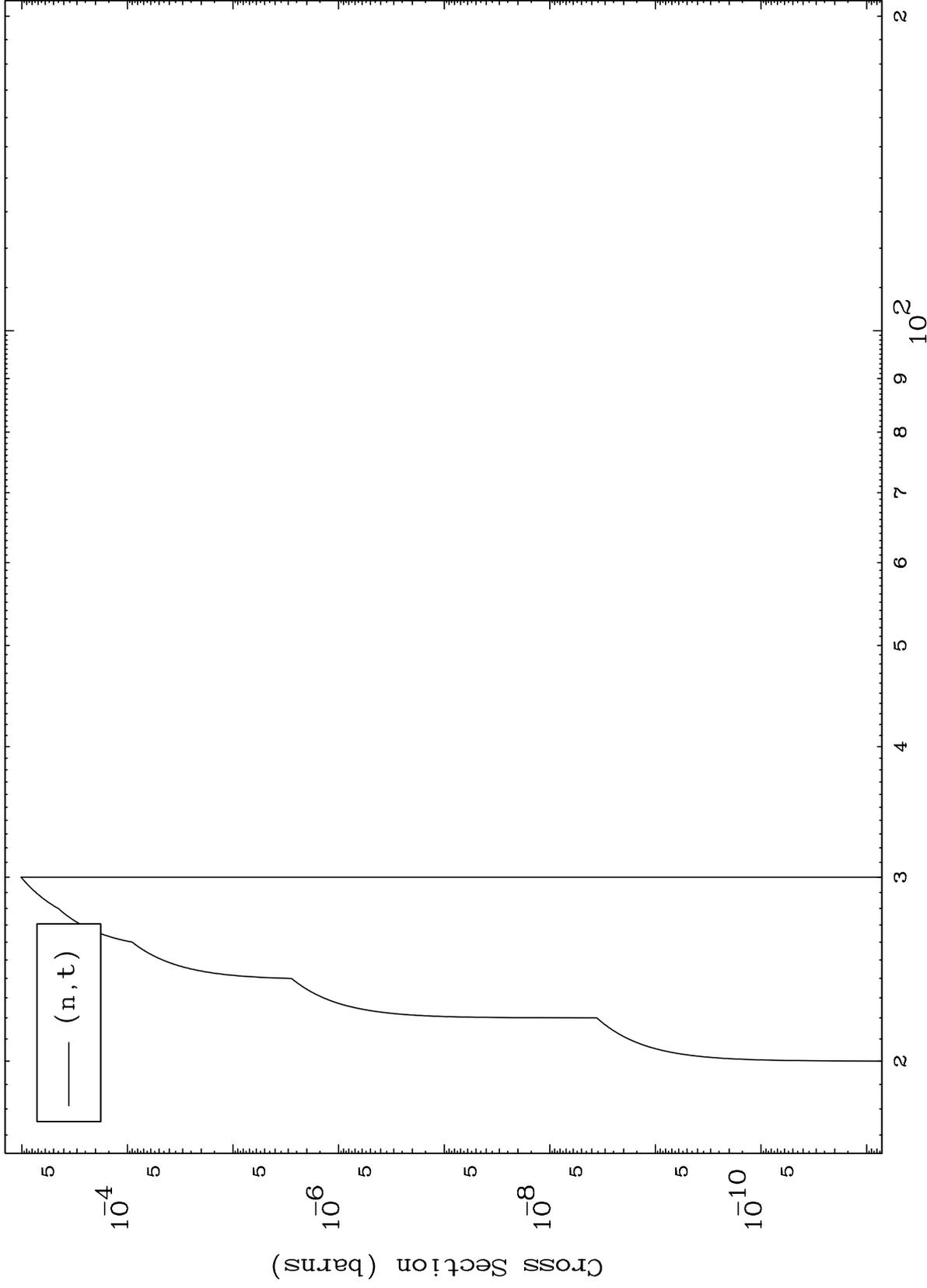
6



MAT 5816

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

58-Ce-133



8

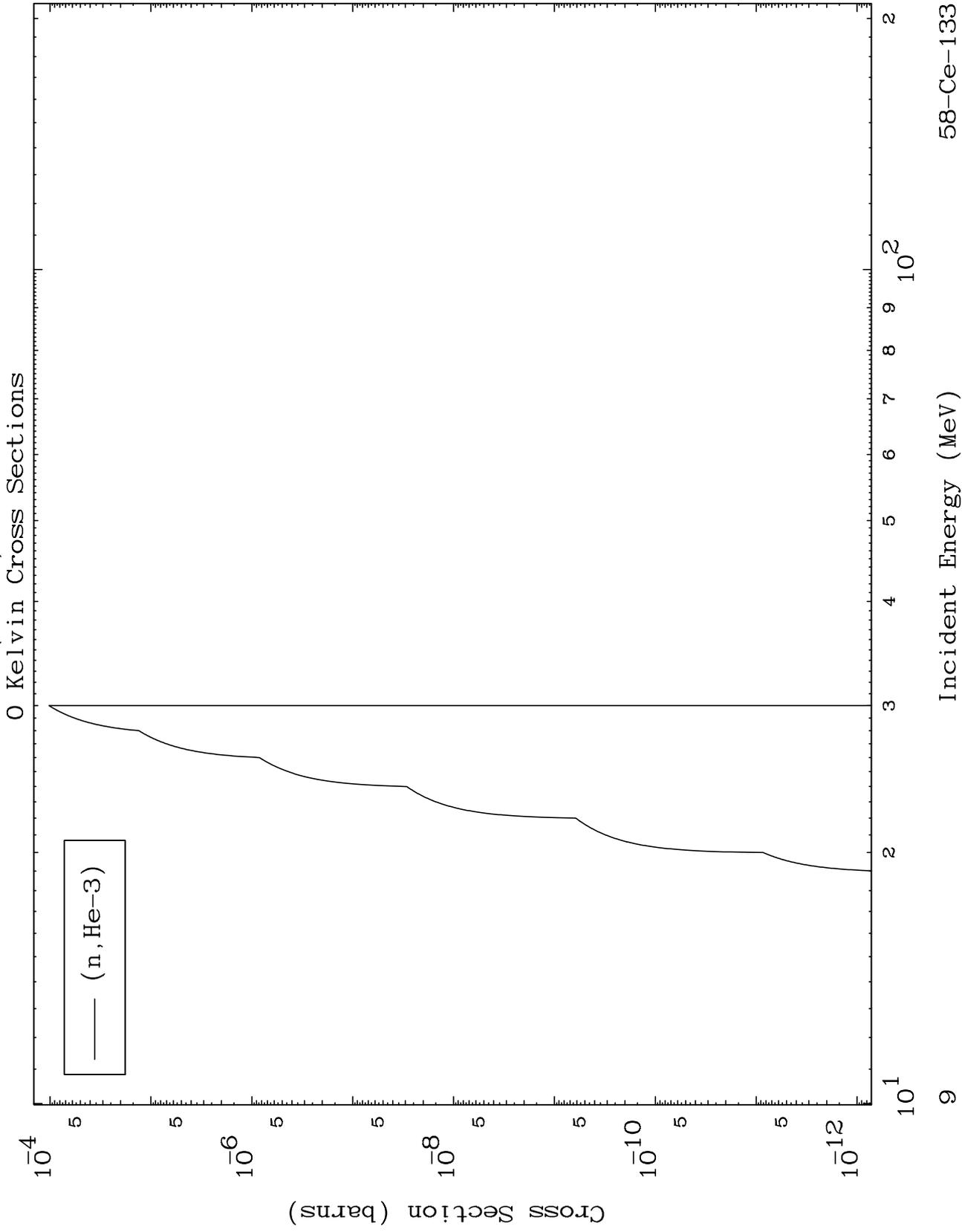
Incident Energy (MeV)

58-Ce-133

MAT 5816

( $\alpha, \text{He}3$ ) Levels

58-Ce-133

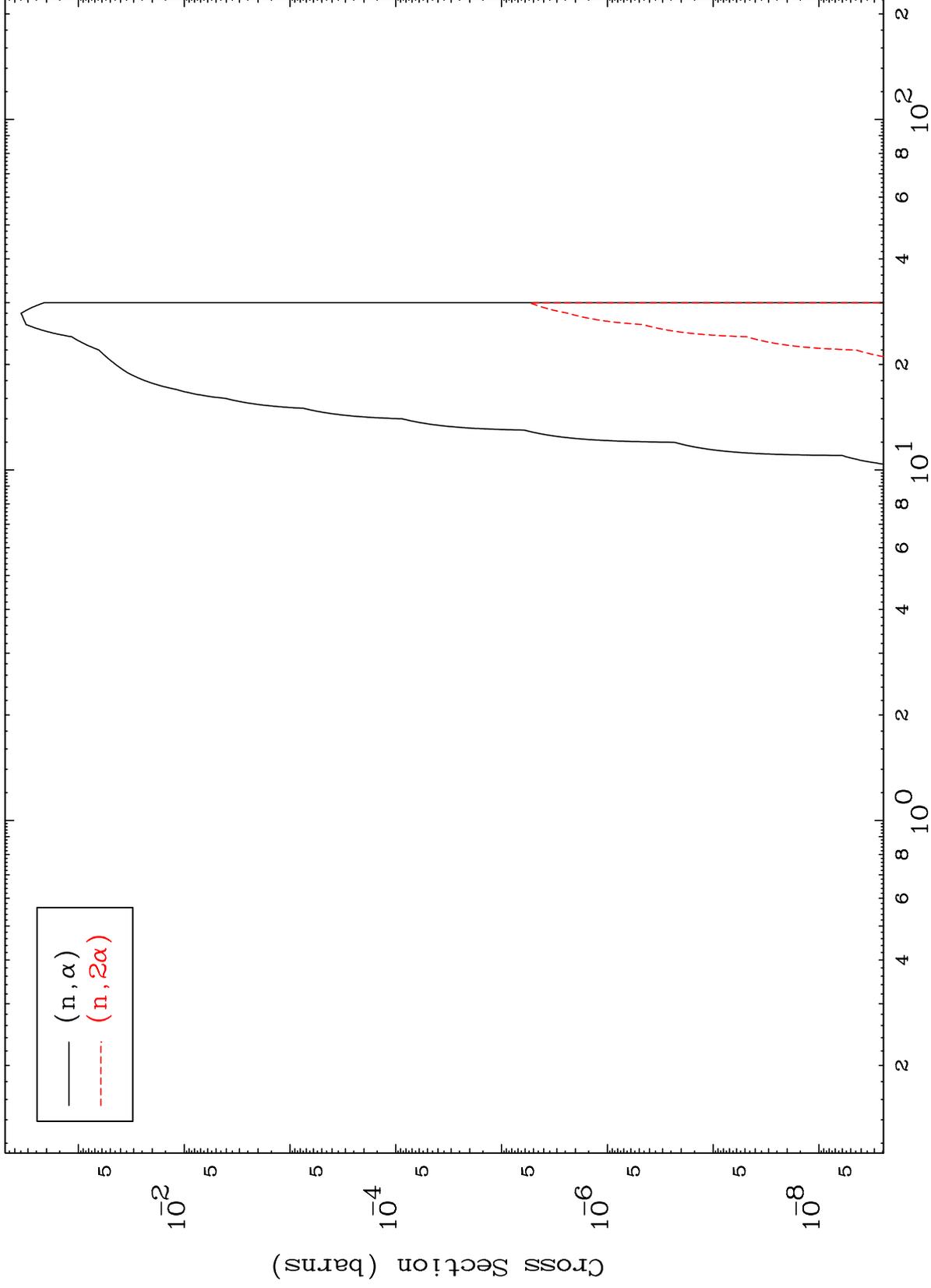


MAT 5816

( $\alpha, \alpha$ ) Levels

58-Ce-133

0 Kelvin Cross Sections



10

Incident Energy (MeV)

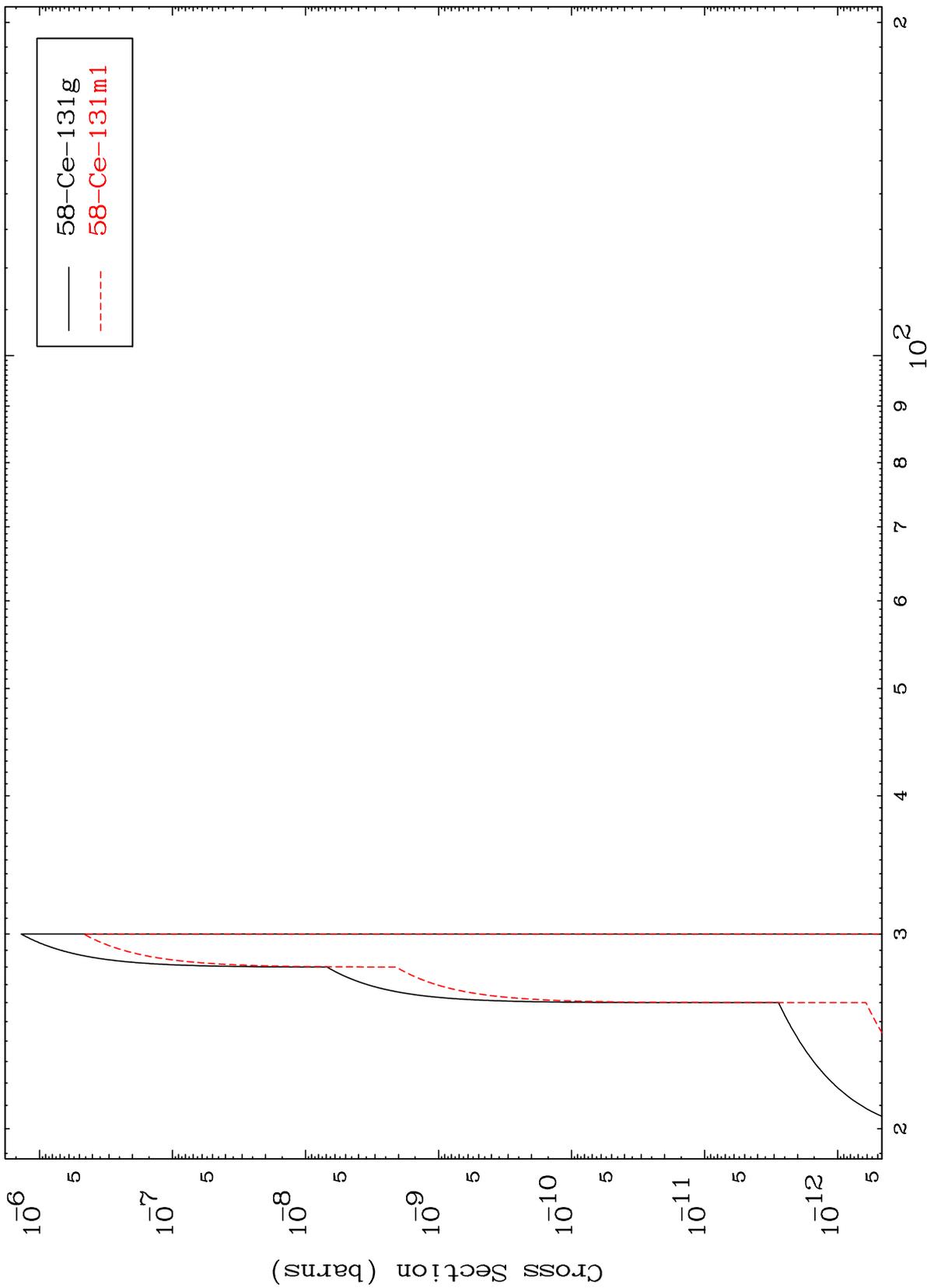
58-Ce-133

MAT 5816

(n,2n)  $\alpha$

58-Ce-133

Radionuclide Production Cross Section



11

Incident Energy (MeV)

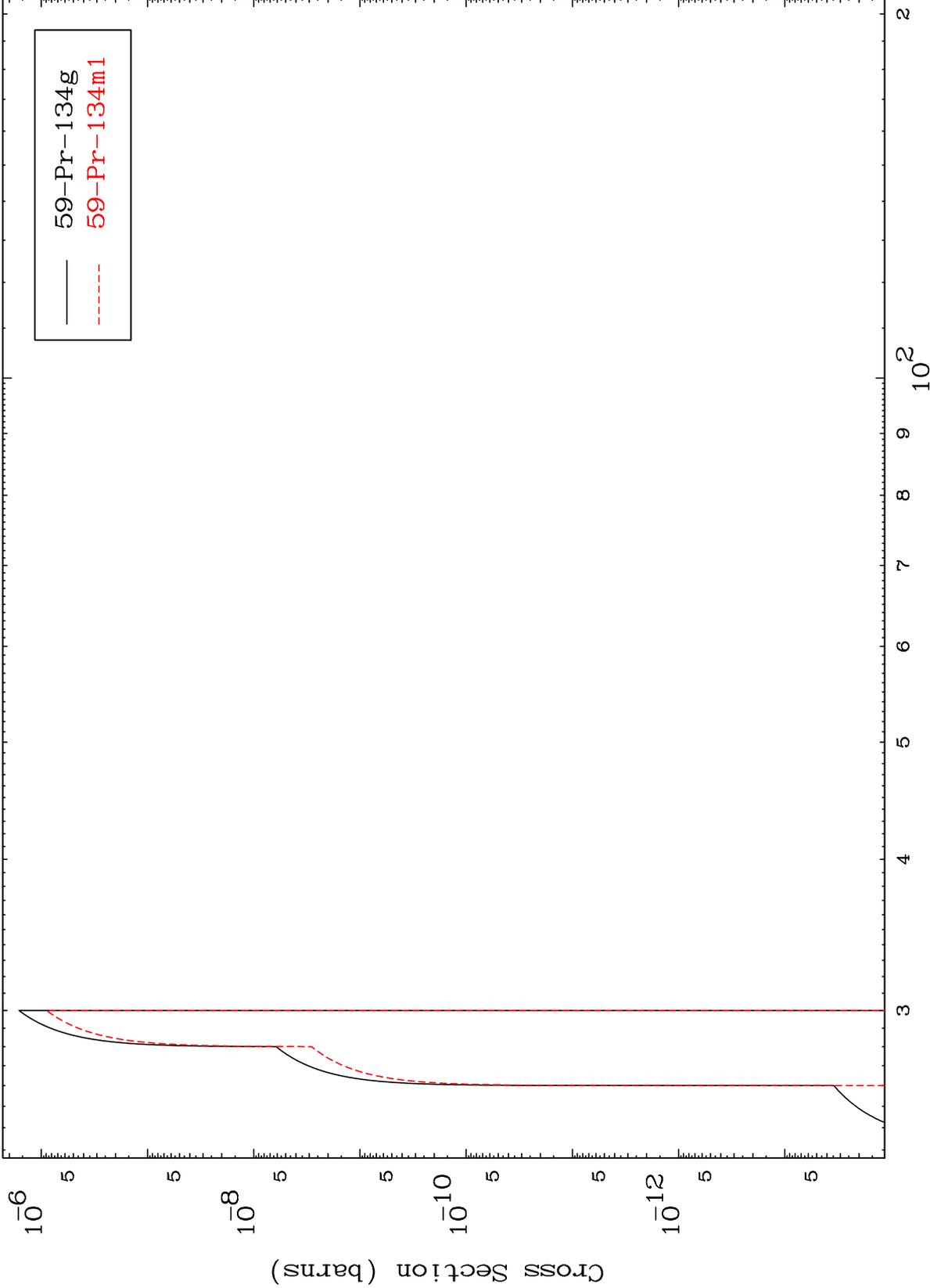
58-Ce-133

MAT 5816

(n,n') d

58-Ce-133

Radionuclide Production Cross Section



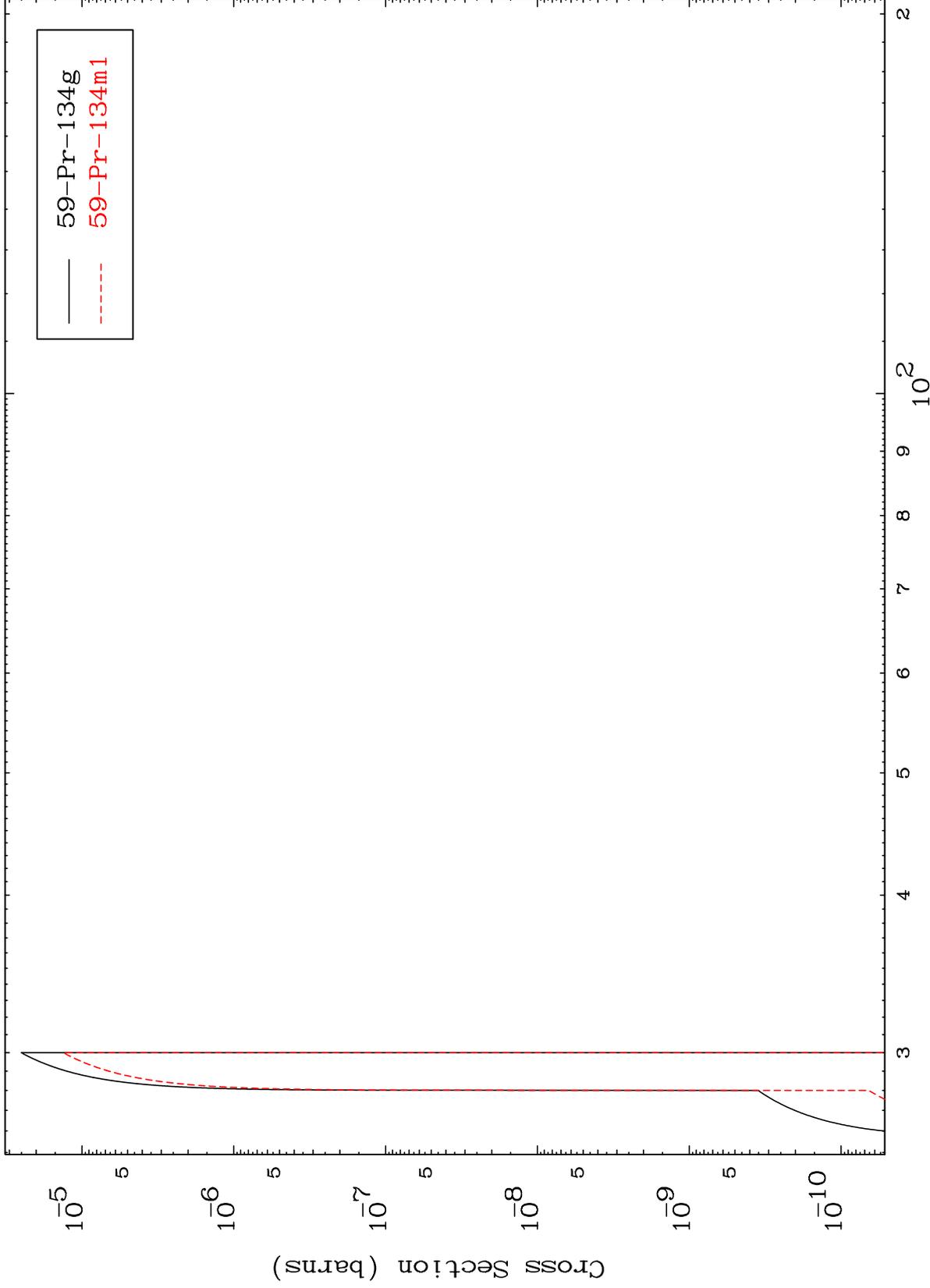
59-Pr-134g  
59-Pr-134m1

12

Incident Energy (MeV)

58-Ce-133

Radionuclide Production Cross Section

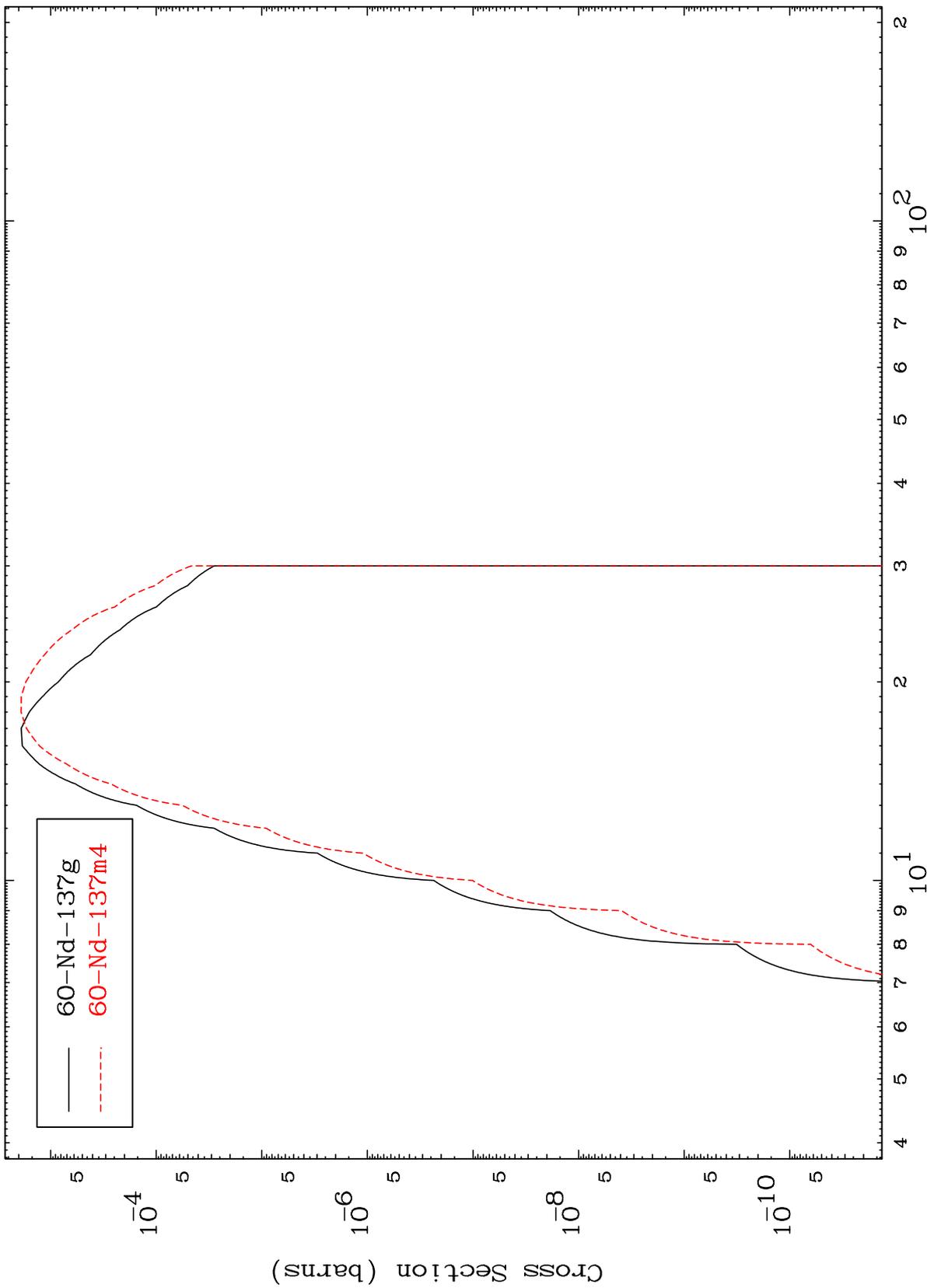


59-Pr-134g  
59-Pr-134m1

MAT 5816

58-Ce-133

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



58-Ce-133

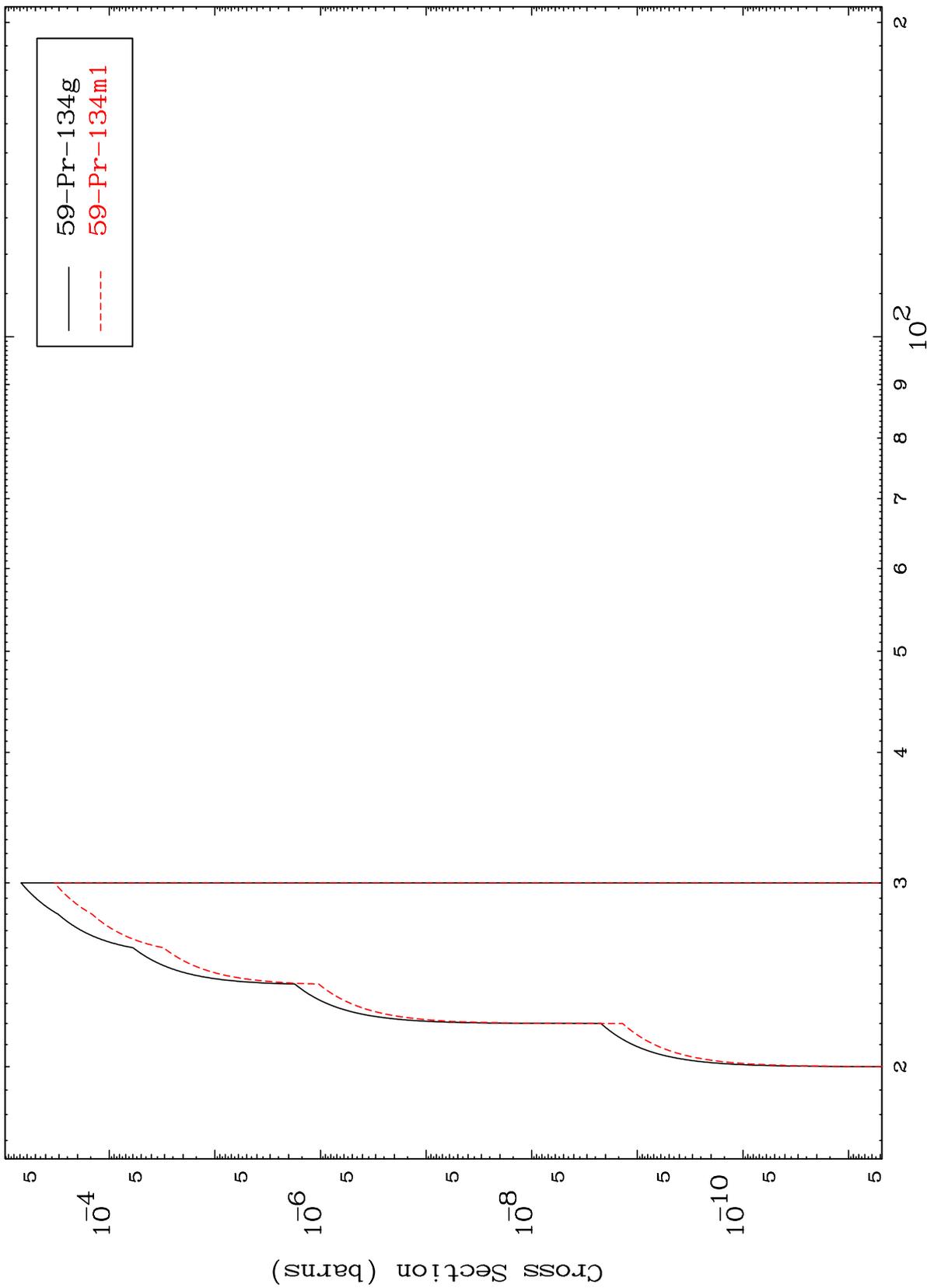
Incident Energy (MeV)

14

MAT 5816

58-Ce-133

(n,t)  
Radionuclide Production Cross Section



15

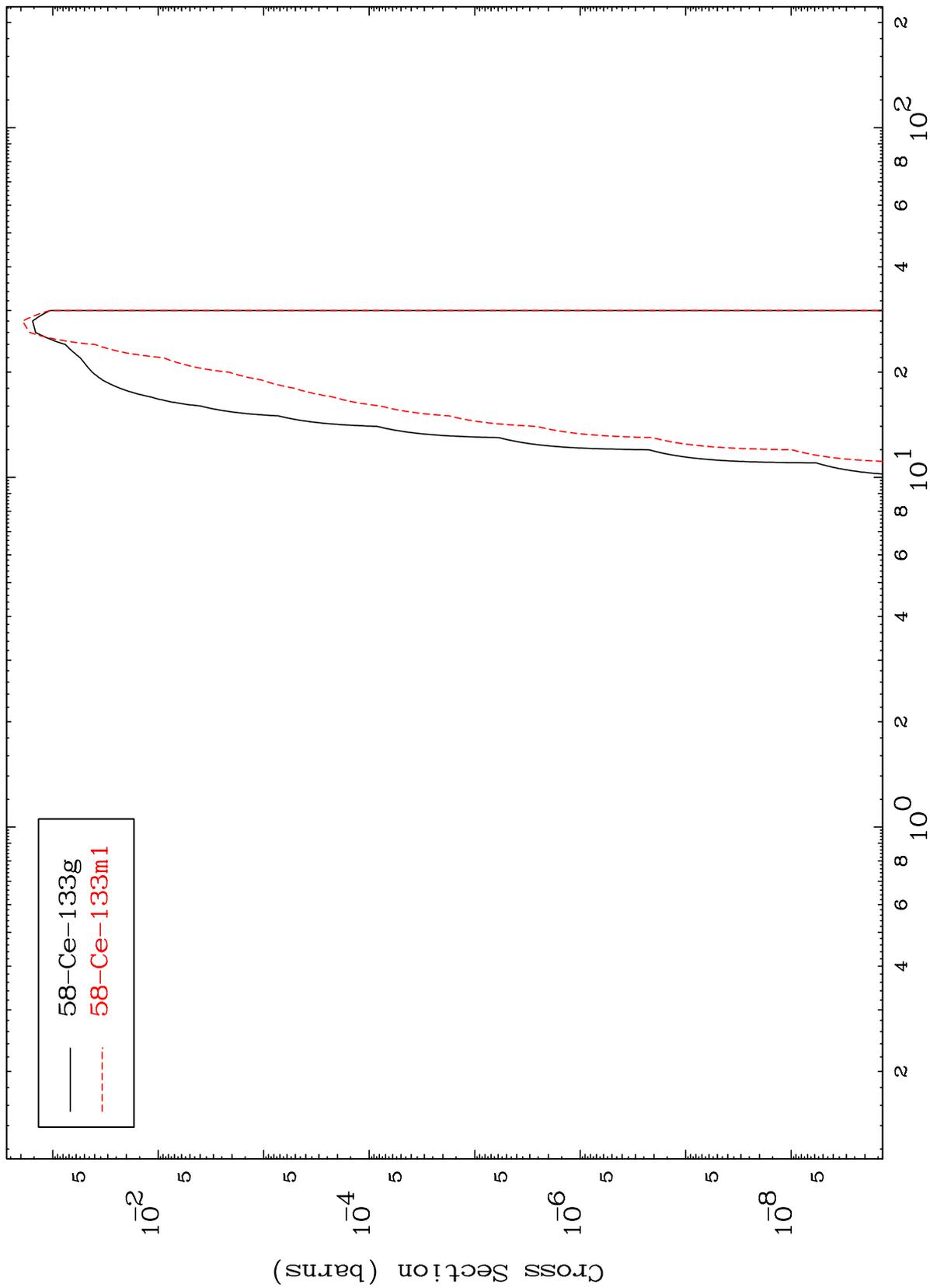
58-Ce-133

Incident Energy (MeV)

MAT 5816

58-Ce-133

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



58-Ce-133

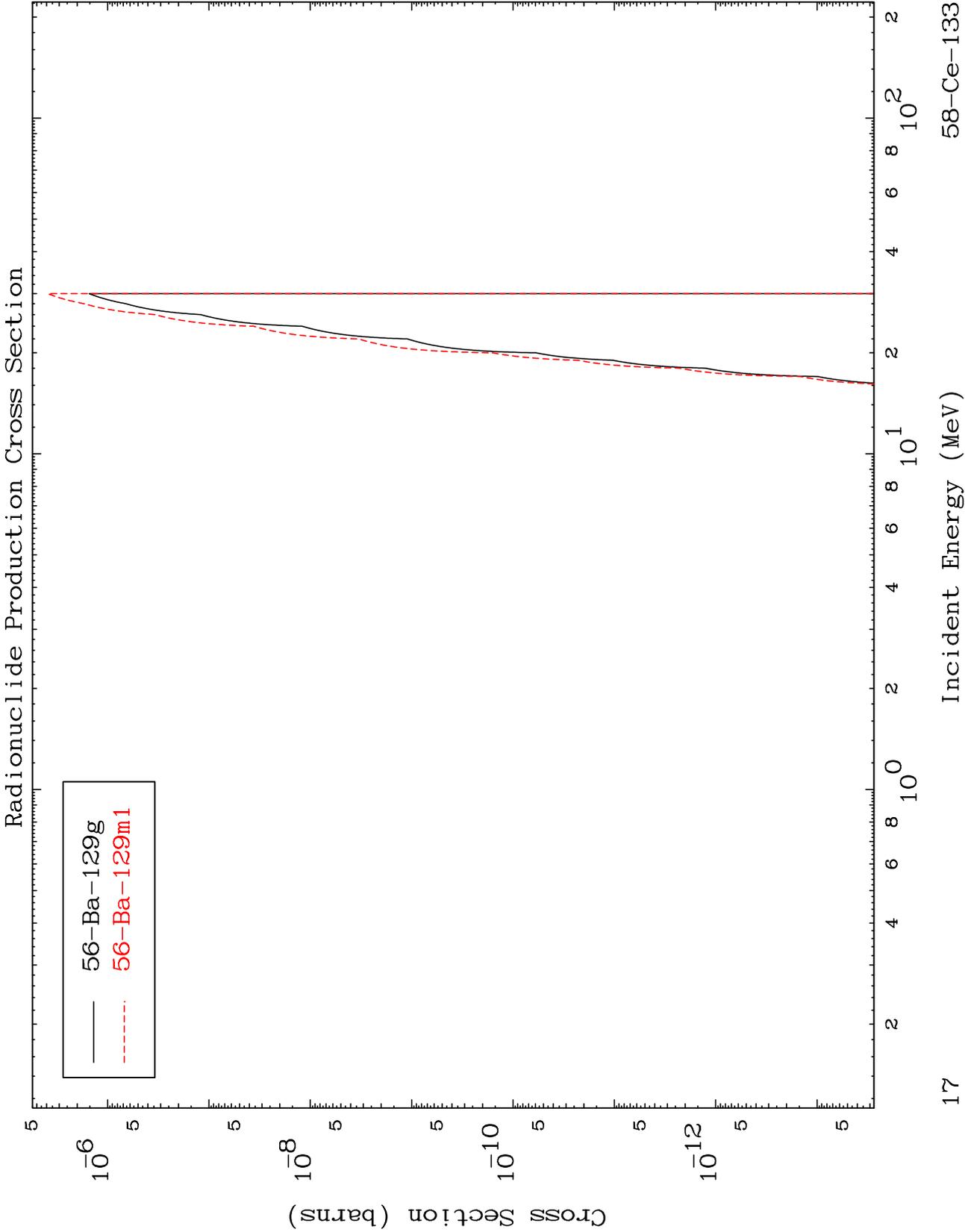
Incident Energy (MeV)

16

MAT 5816

(n,2α)

58-Ce-133

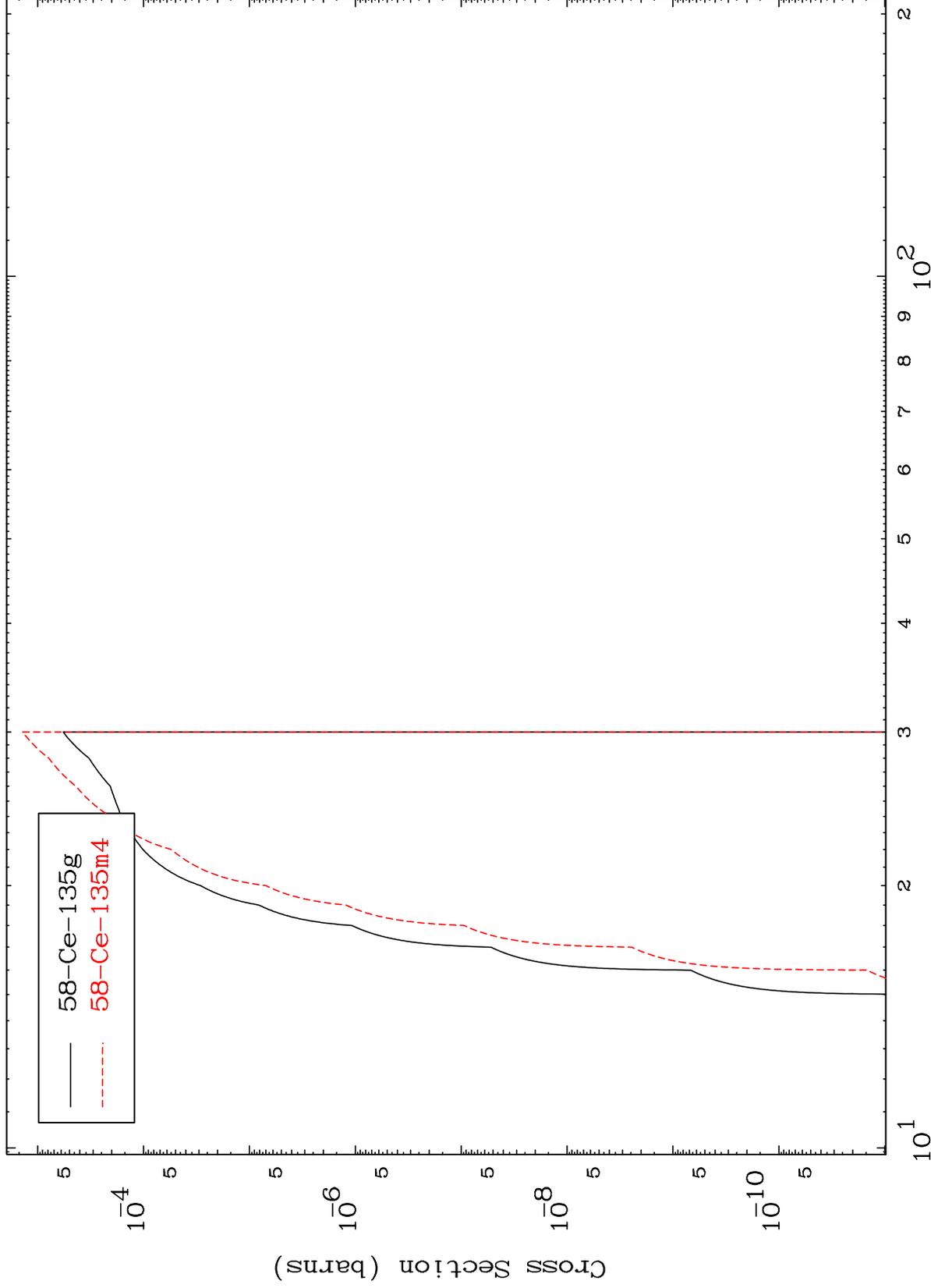


MAT 5816

(n,2p)

58-Ce-133

Radionuclide Production Cross Section



Incident Energy (MeV)

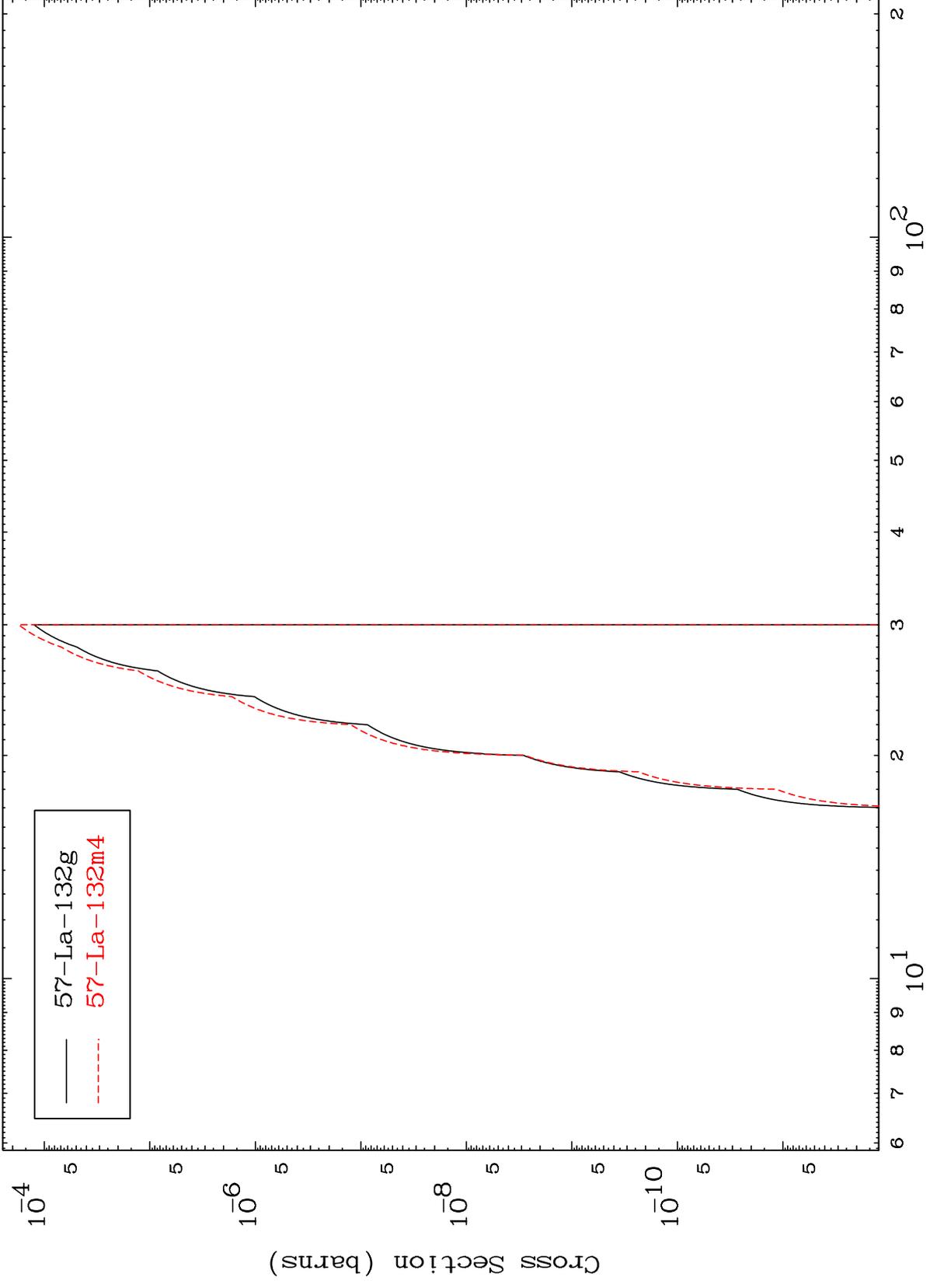
58-Ce-133

MAT 5816

(n,p)  $\alpha$

58-Ce-133

Radionuclide Production Cross Section



57-La-132g  
57-La-132m4

19

Incident Energy (MeV)

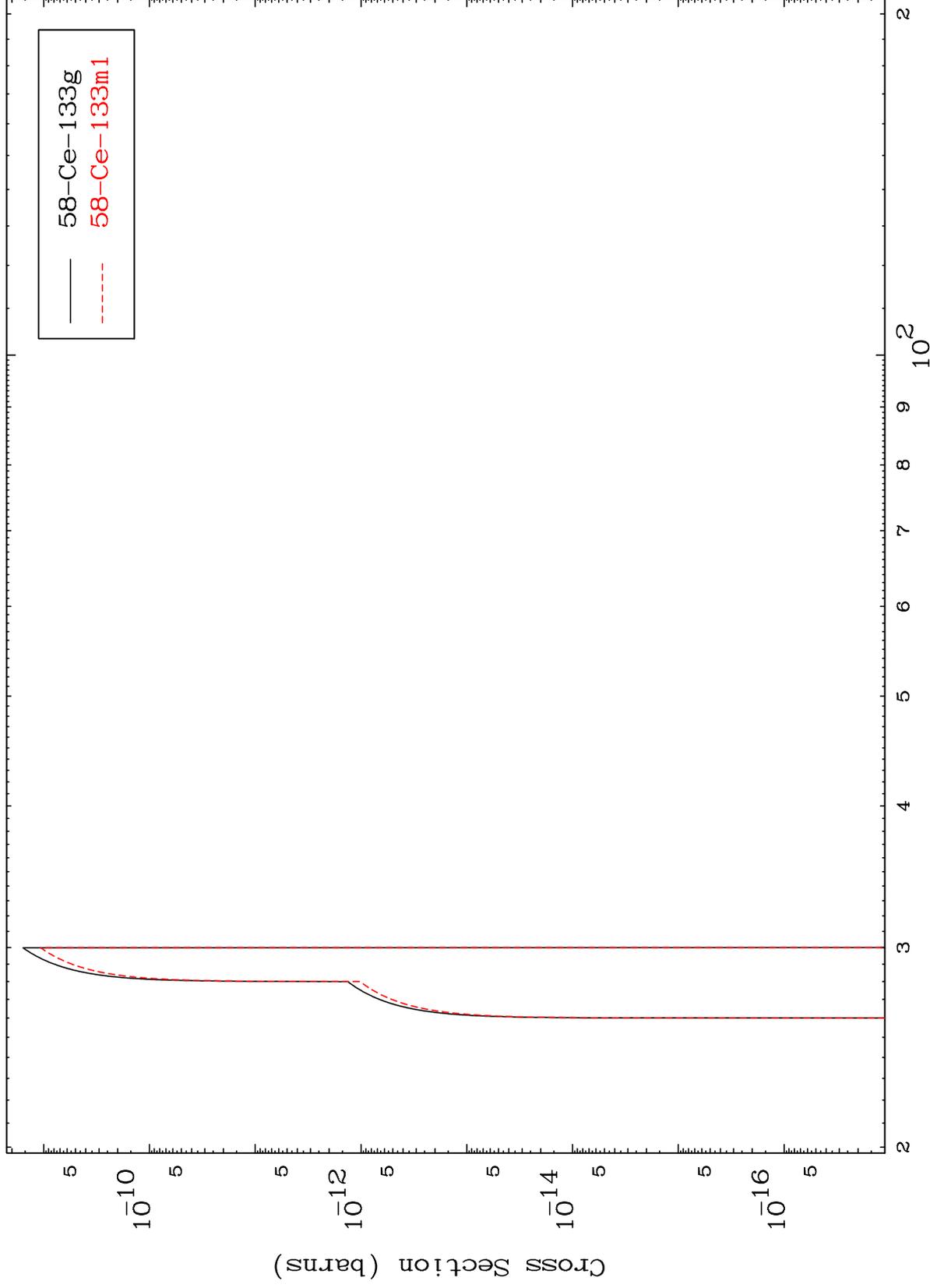
58-Ce-133

MAT 5816

(n,p) t

58-Ce-133

Radionuclide Production Cross Section



20

Incident Energy (MeV)

58-Ce-133