

Program EVALPLOT  
(Version 2021-1)

by

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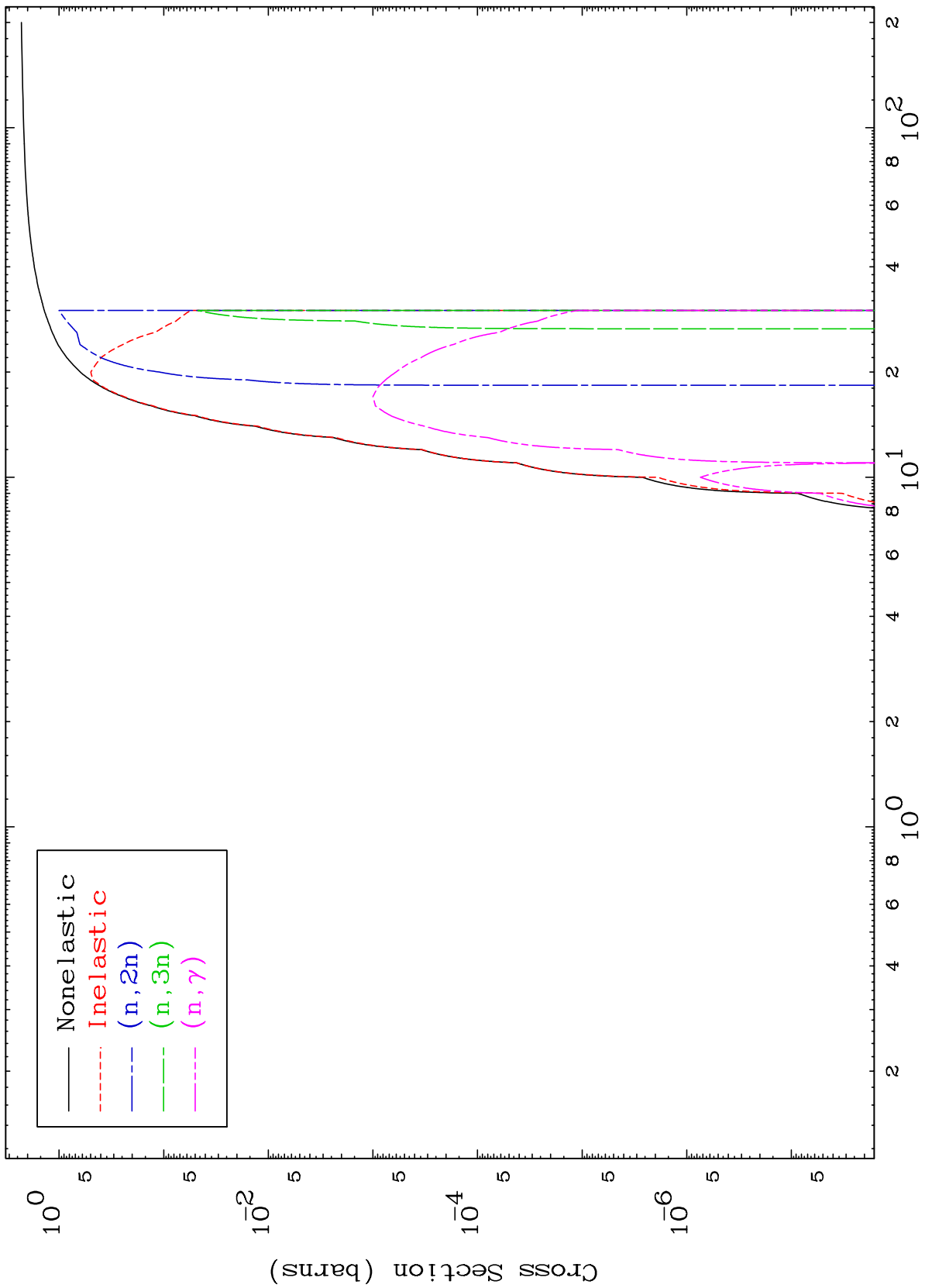
Press Mouse Button to Start

MAT 5629

$\alpha$  Major

56-Ba-131m

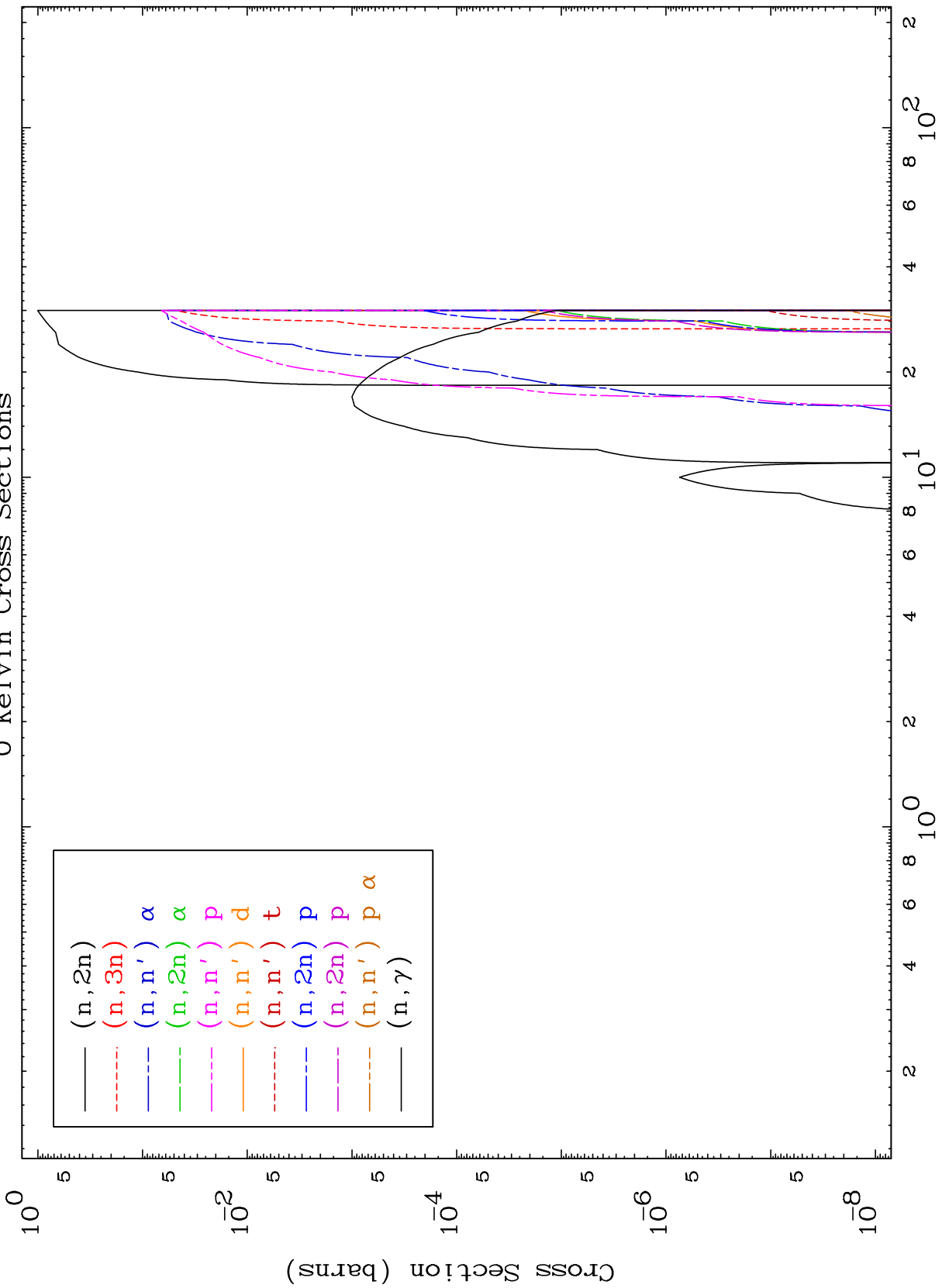
0 Kelvin Cross Sections



MAT 5629

$\alpha$  Neutron Absorption  
0 Kelvin Cross Sections

56-Ba-131m



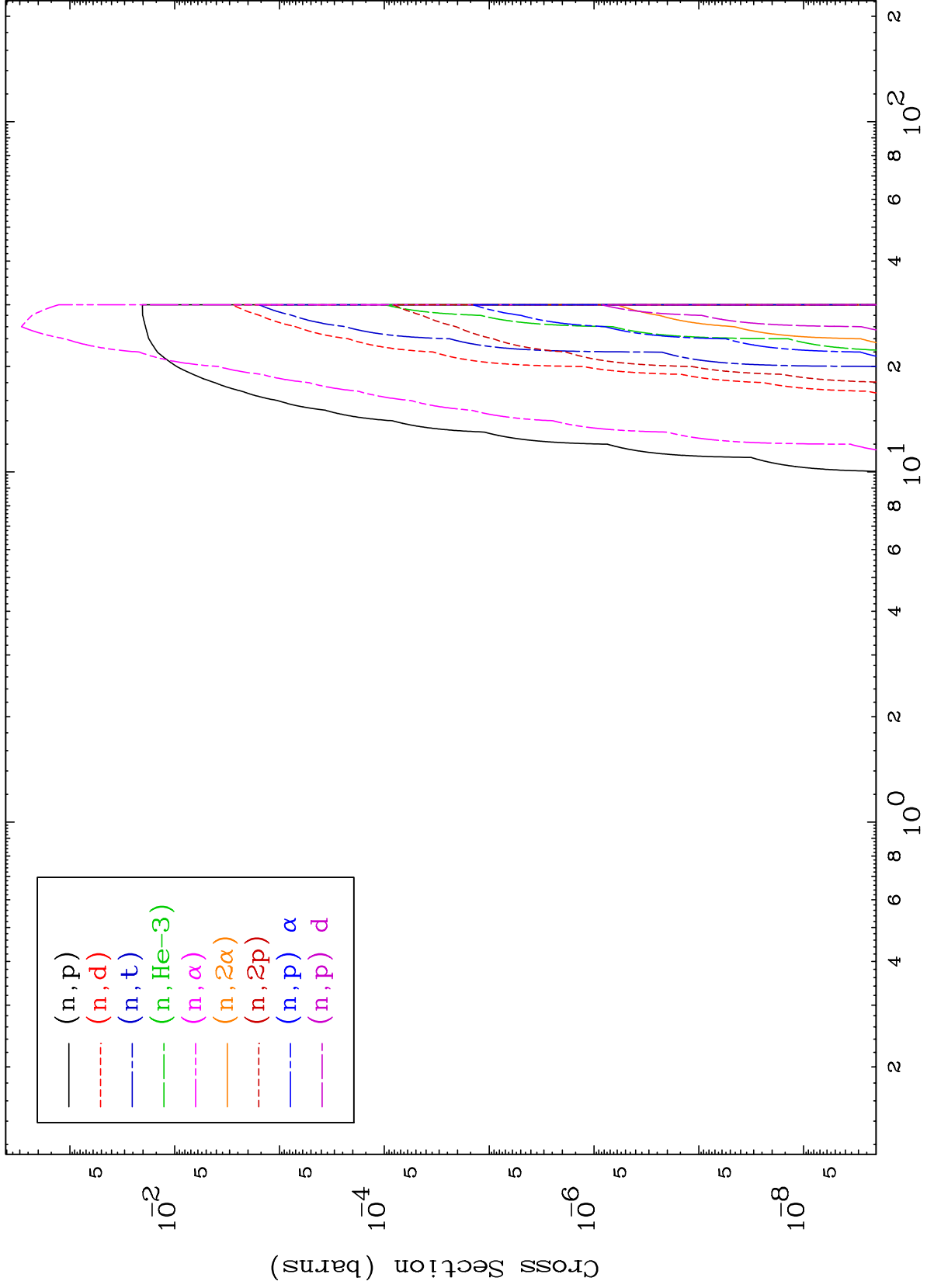
56-Ba-131m

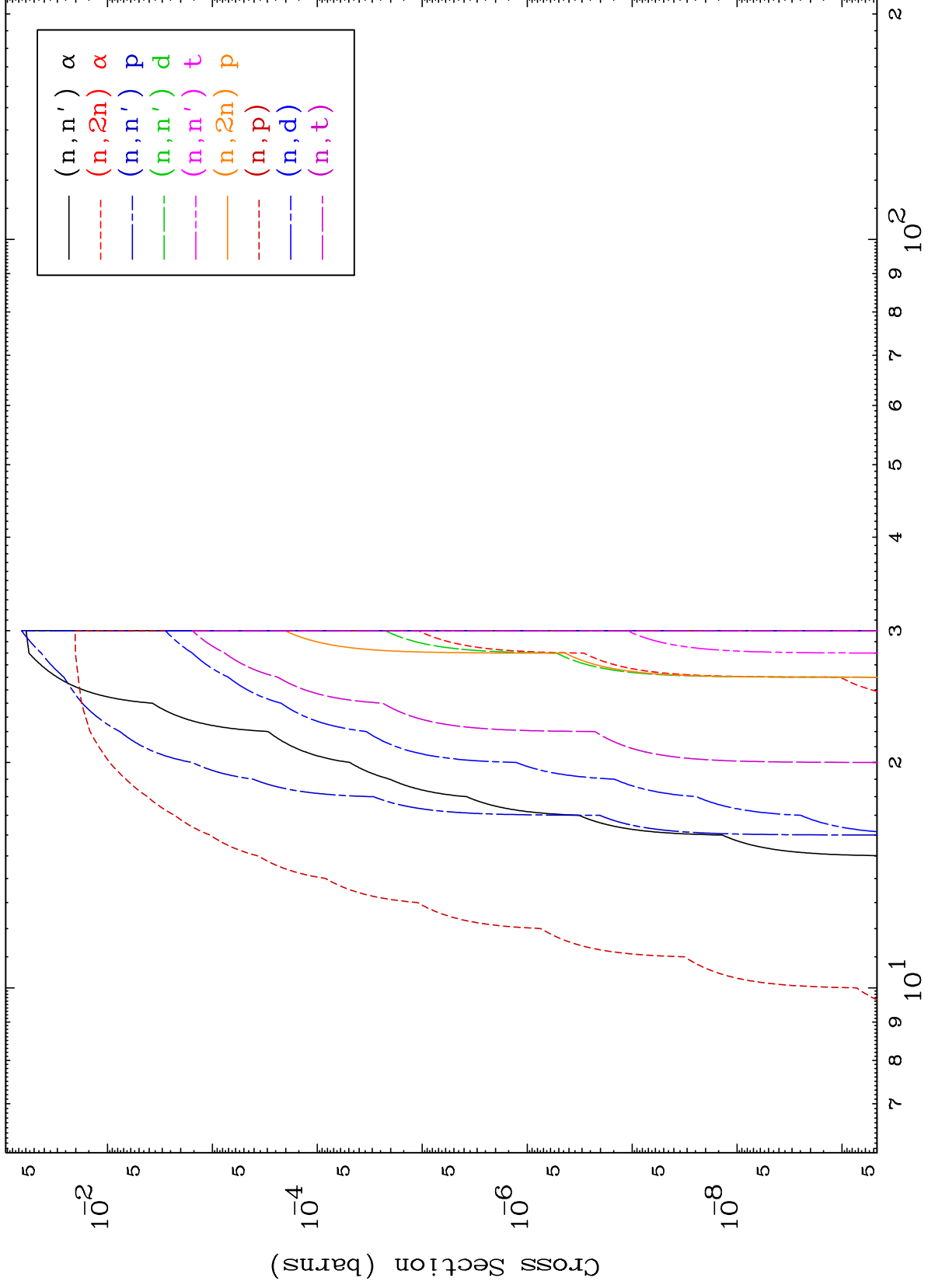
Incident Energy (MeV)

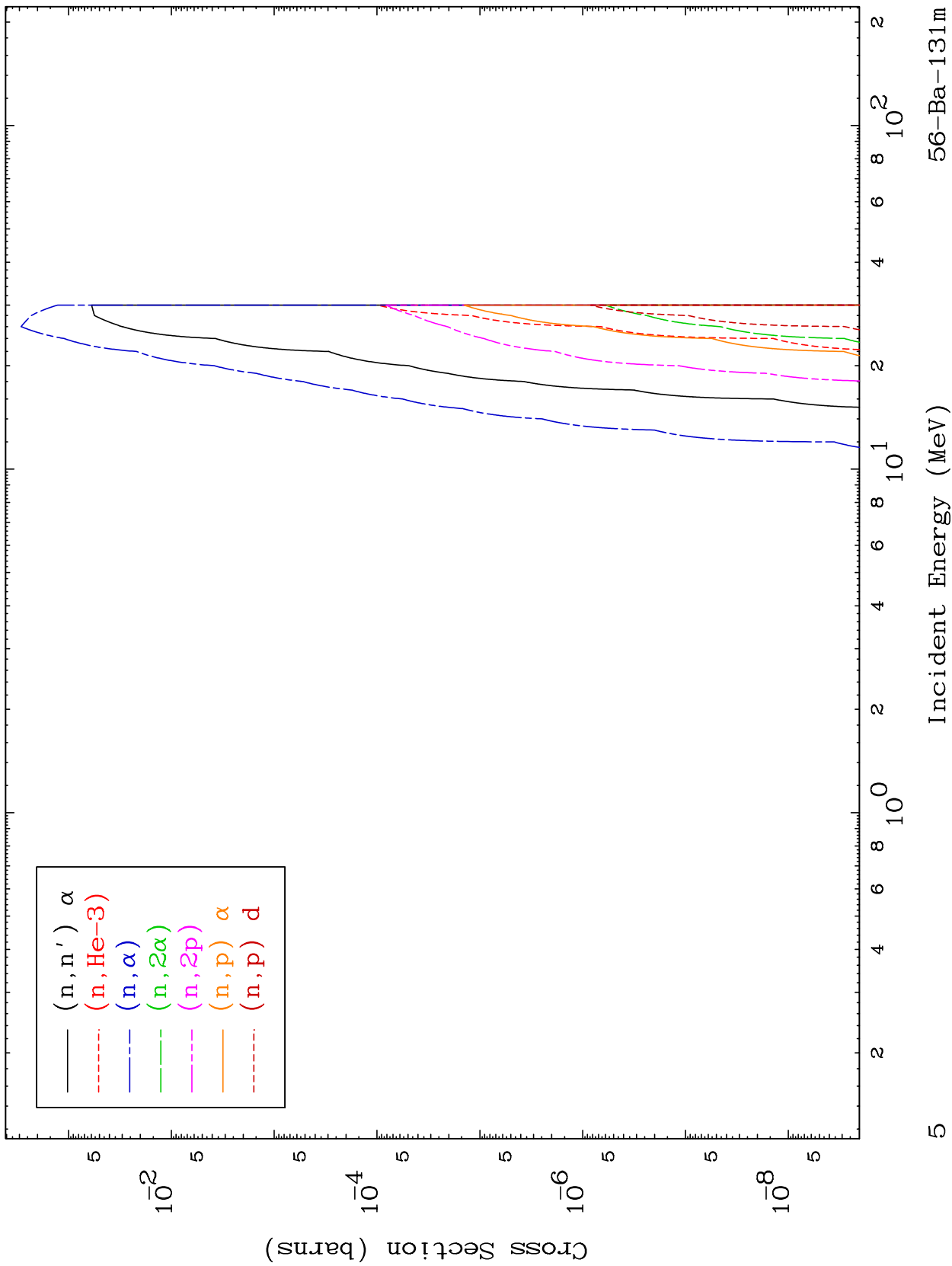
MAT 5629

$\alpha$  Neutron Absorption  
0 Kelvin Cross Sections

56-Ba-131m



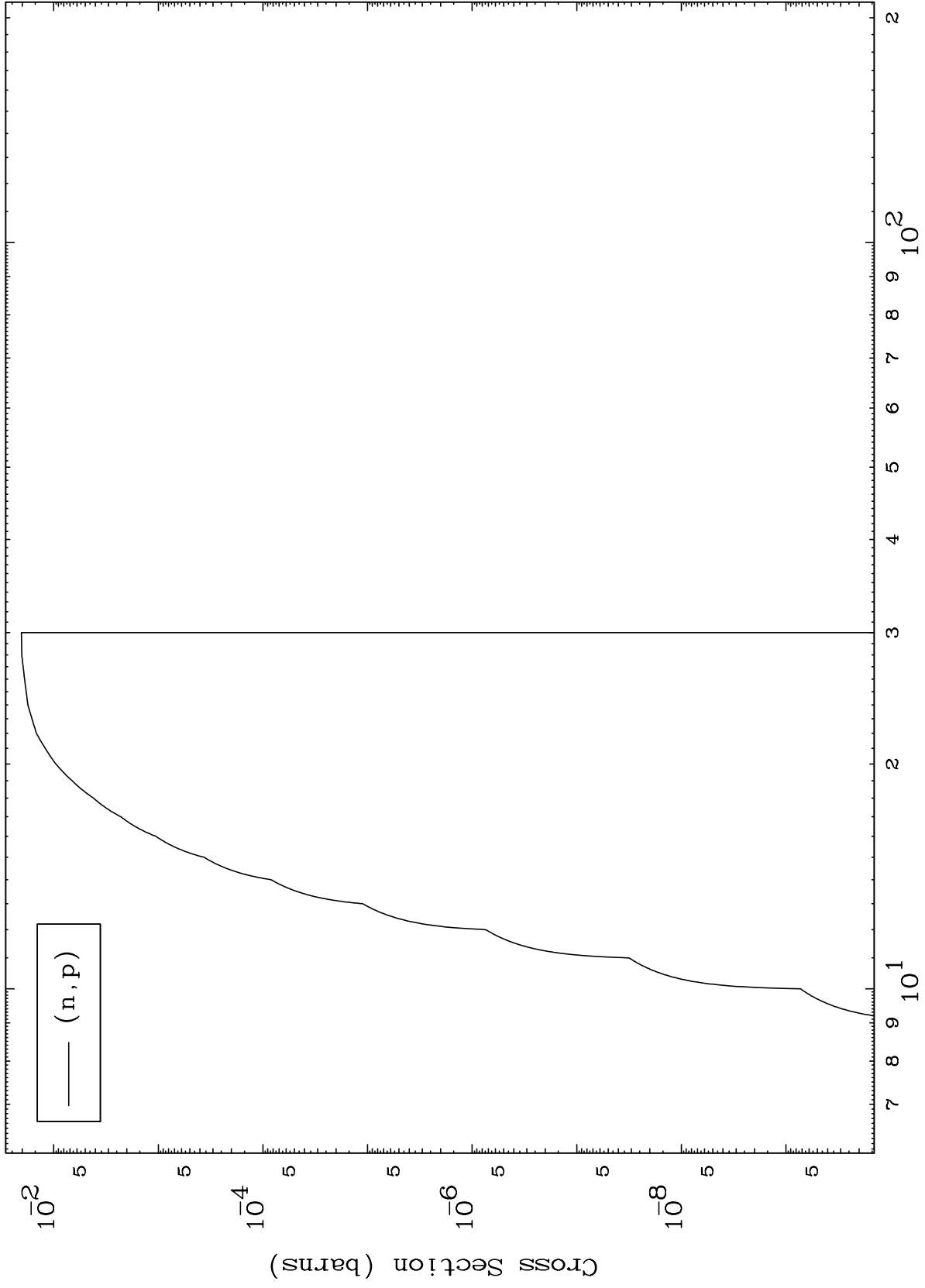




MAT 5629

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

56-Ba-131m



6

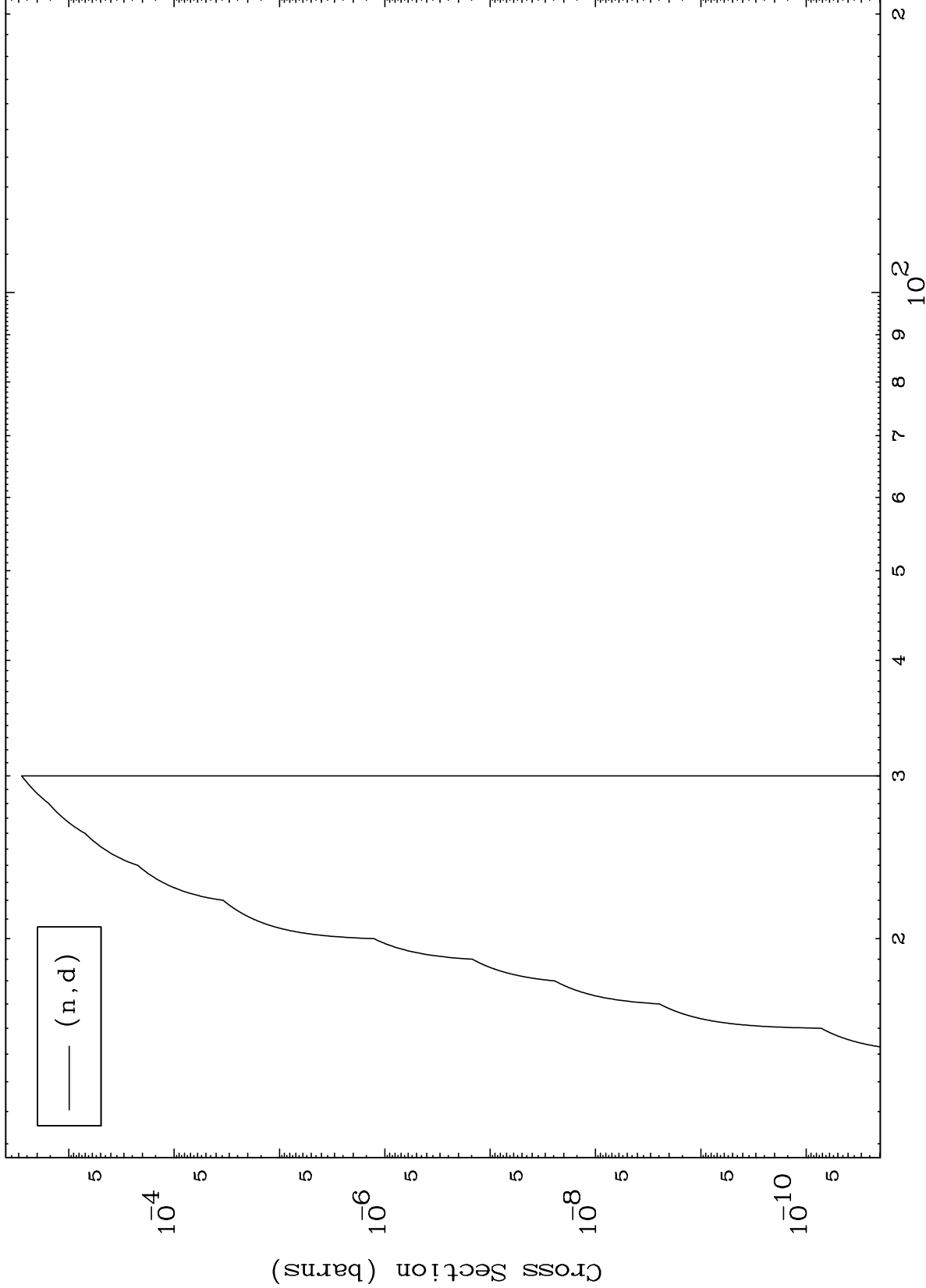
Incident Energy (MeV)

56-Ba-131m

MAT 5629

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

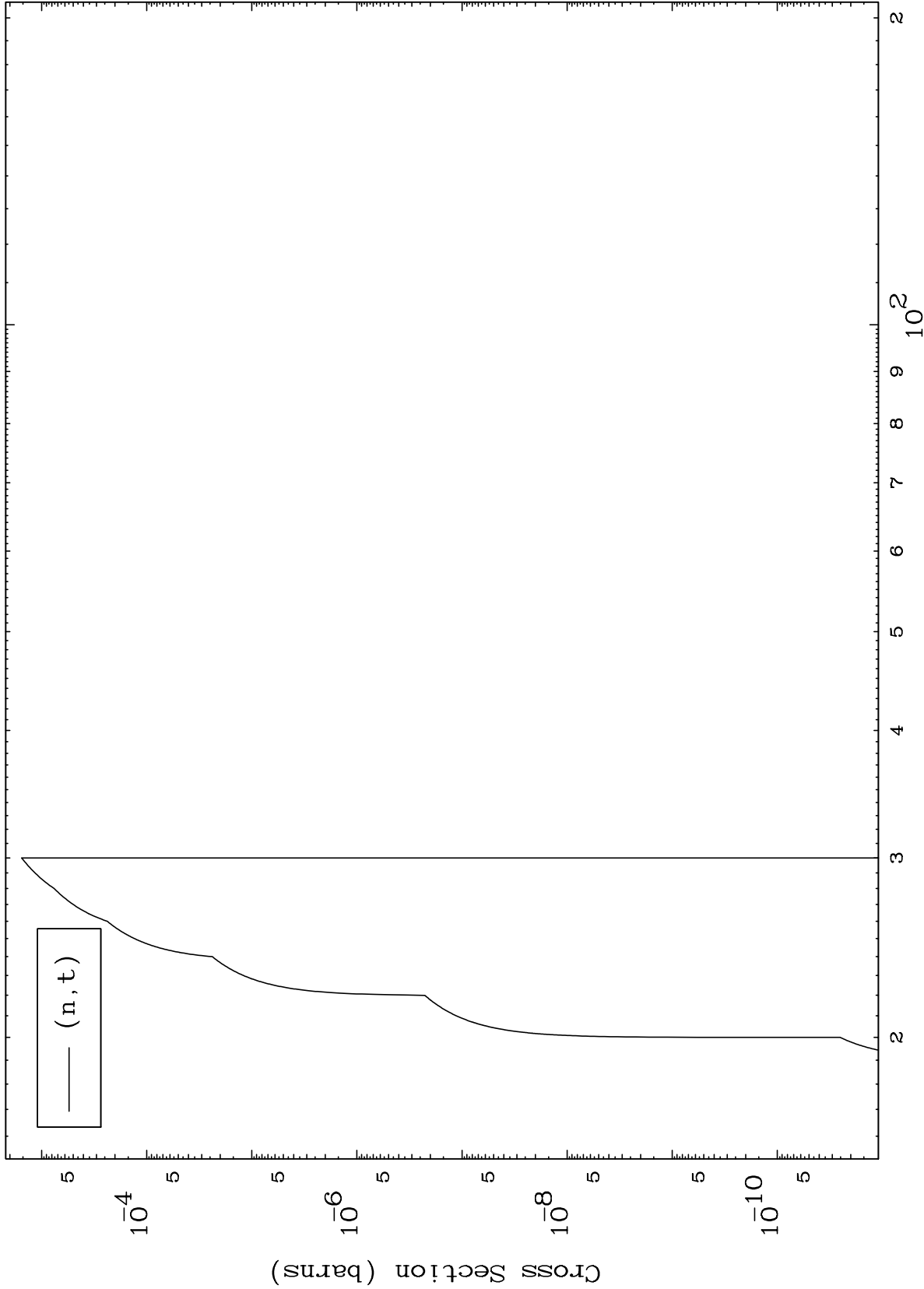
56-Ba-131m



MAT 5629

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

56-Ba-131m



8

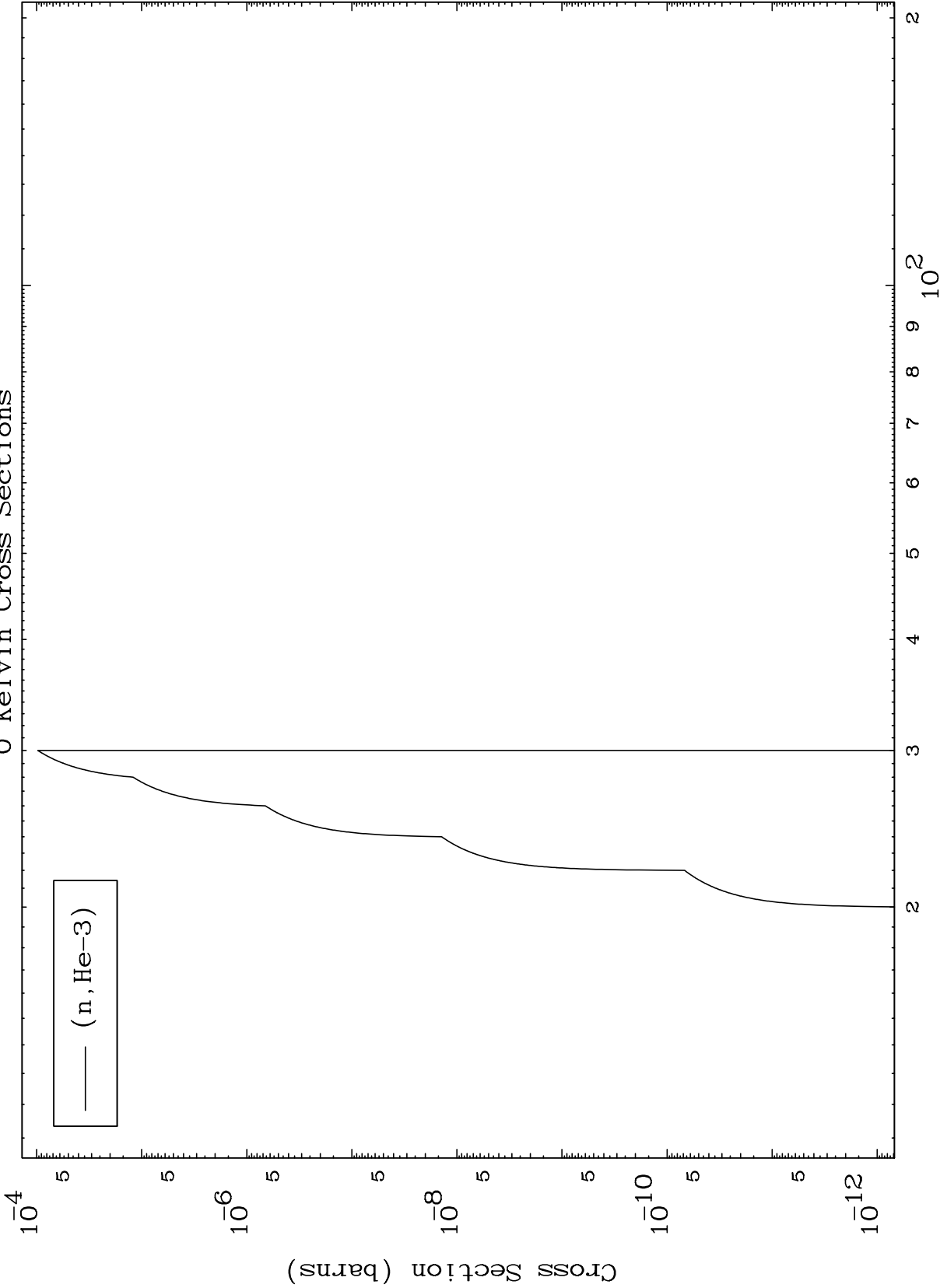
Incident Energy (MeV)

56-Ba-131m

MAT 5629

( $\alpha, \text{He}3$ ) Levels  
0 Kelvin Cross Sections

56-Ba-131m

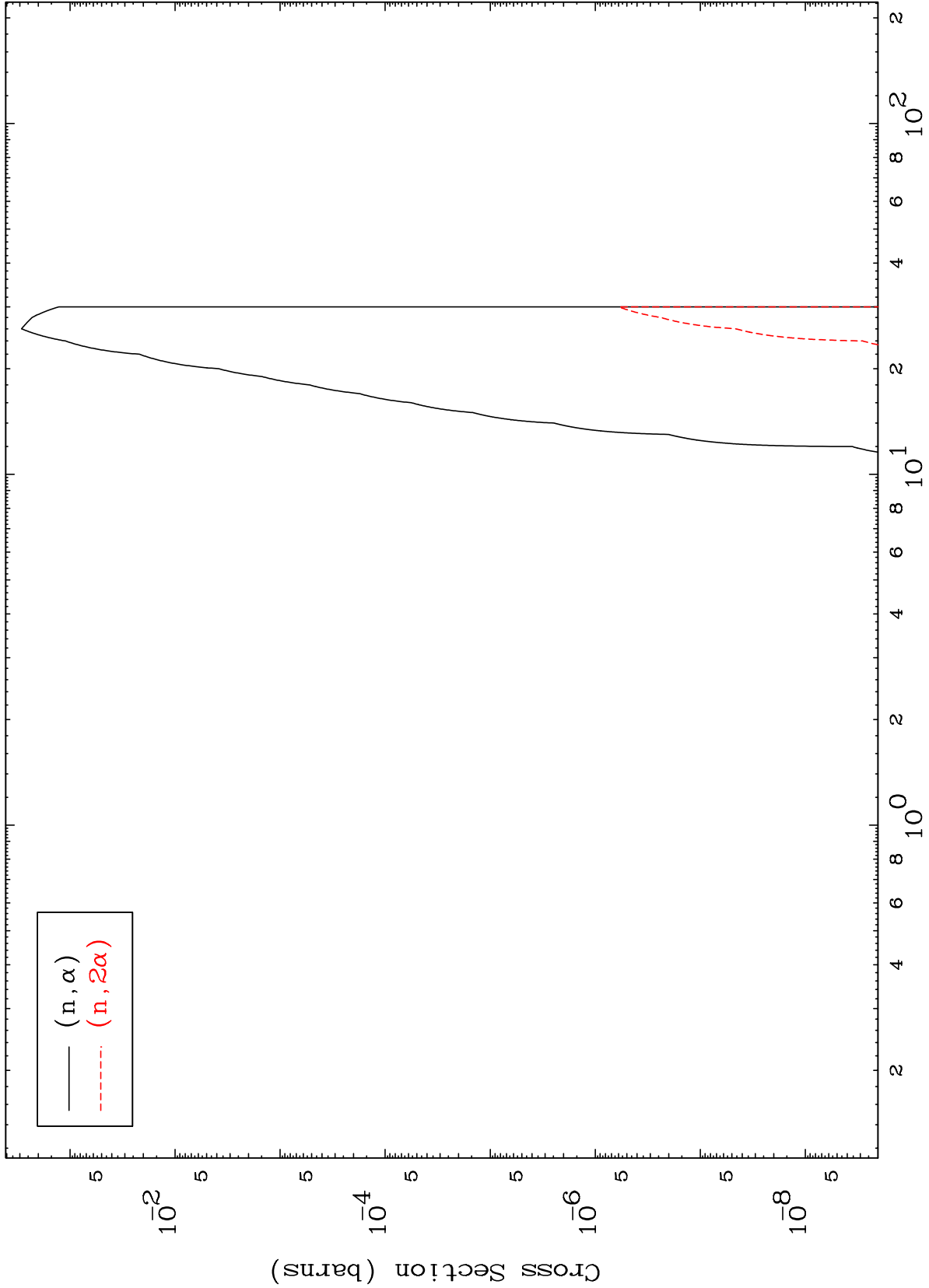


MAT 5629

( $\alpha, \alpha$ ) Levels

56-Ba-131m

0 Kelvin Cross Sections



— ( $n, \alpha$ )  
- - - ( $n, 2\alpha$ )

10

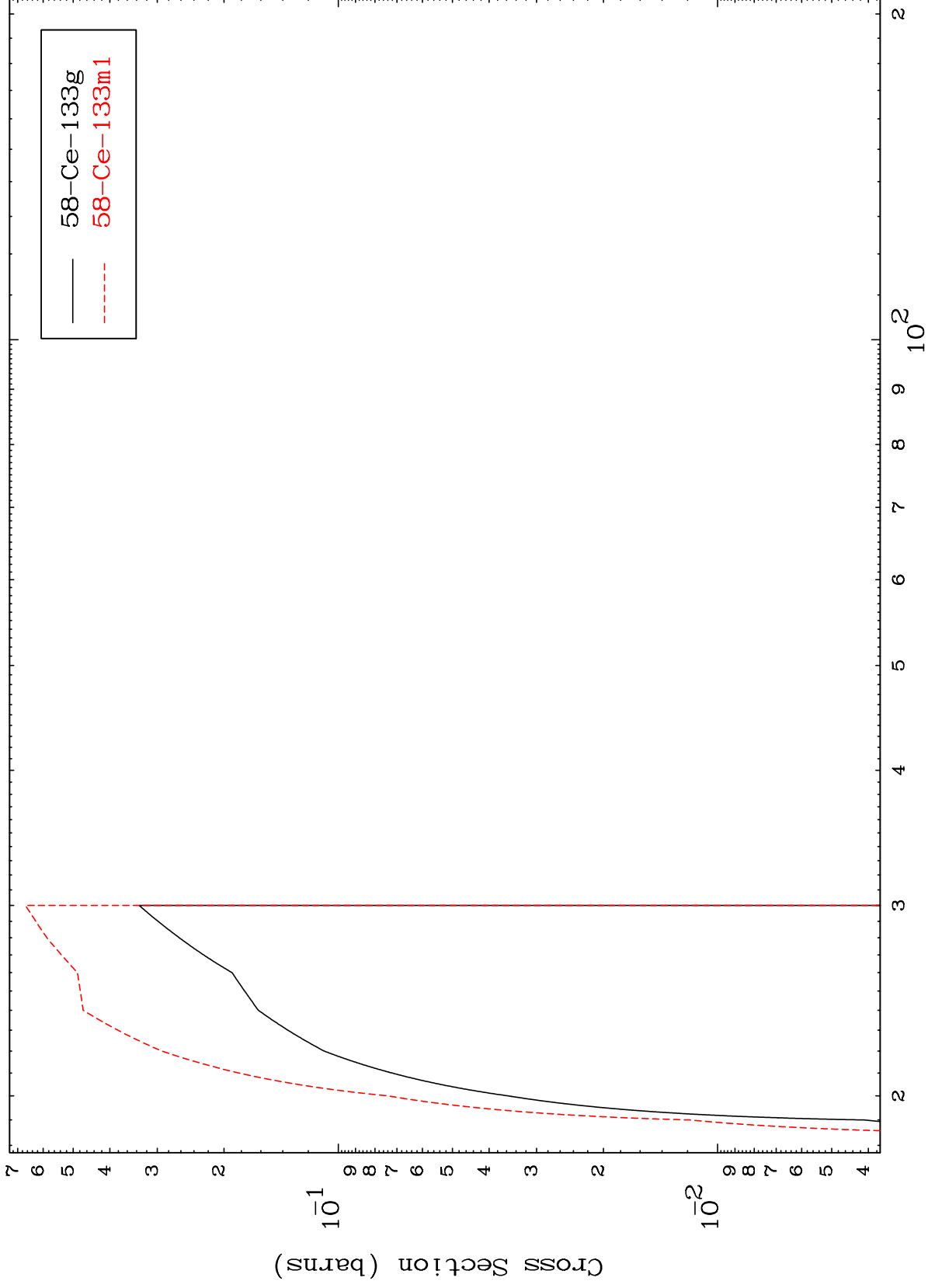
Incident Energy (MeV)

56-Ba-131m

MAT 5629

56-Ba-131m

(n,2n)  
Radionuclide Production Cross Section



11

Incident Energy (MeV)

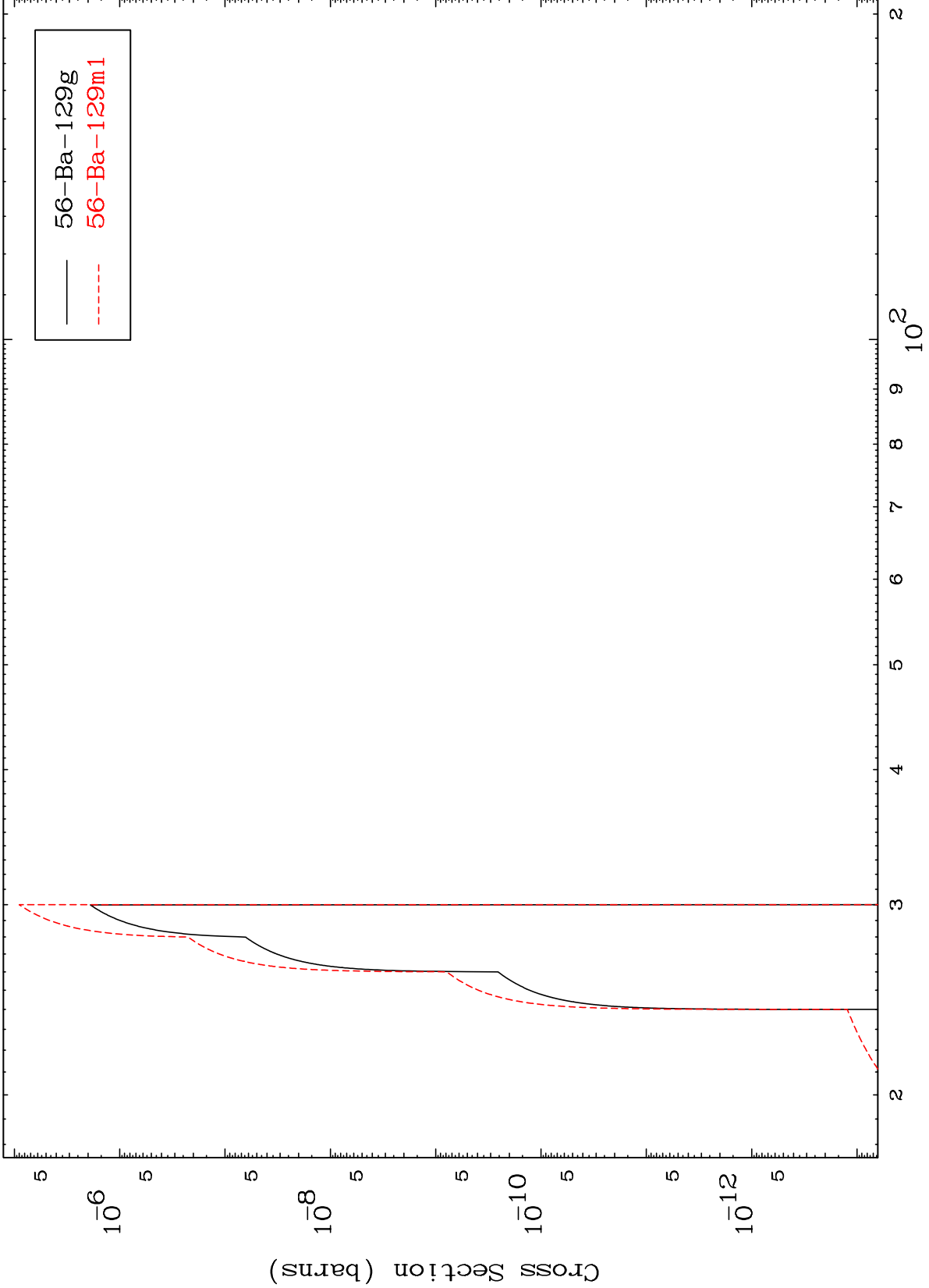
56-Ba-131m

MAT 5629

(n,2n)  $\alpha$

56-Ba-131m

Radionuclide Production Cross Section



12

Incident Energy (MeV)

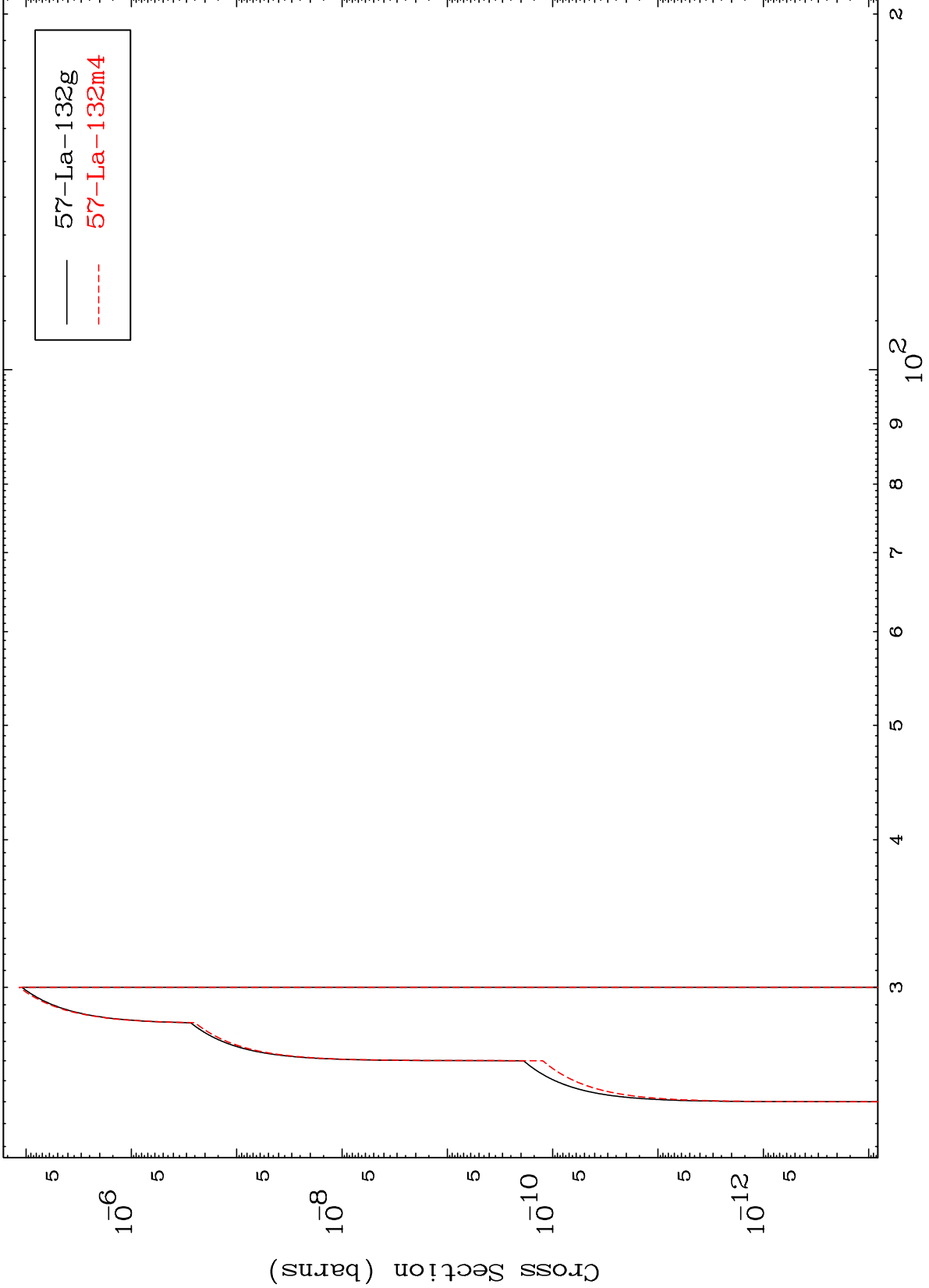
56-Ba-131m

MAT 5629

(n,n') d

56-Ba-131m

Radionuclide Production Cross Section



13

Incident Energy (MeV)

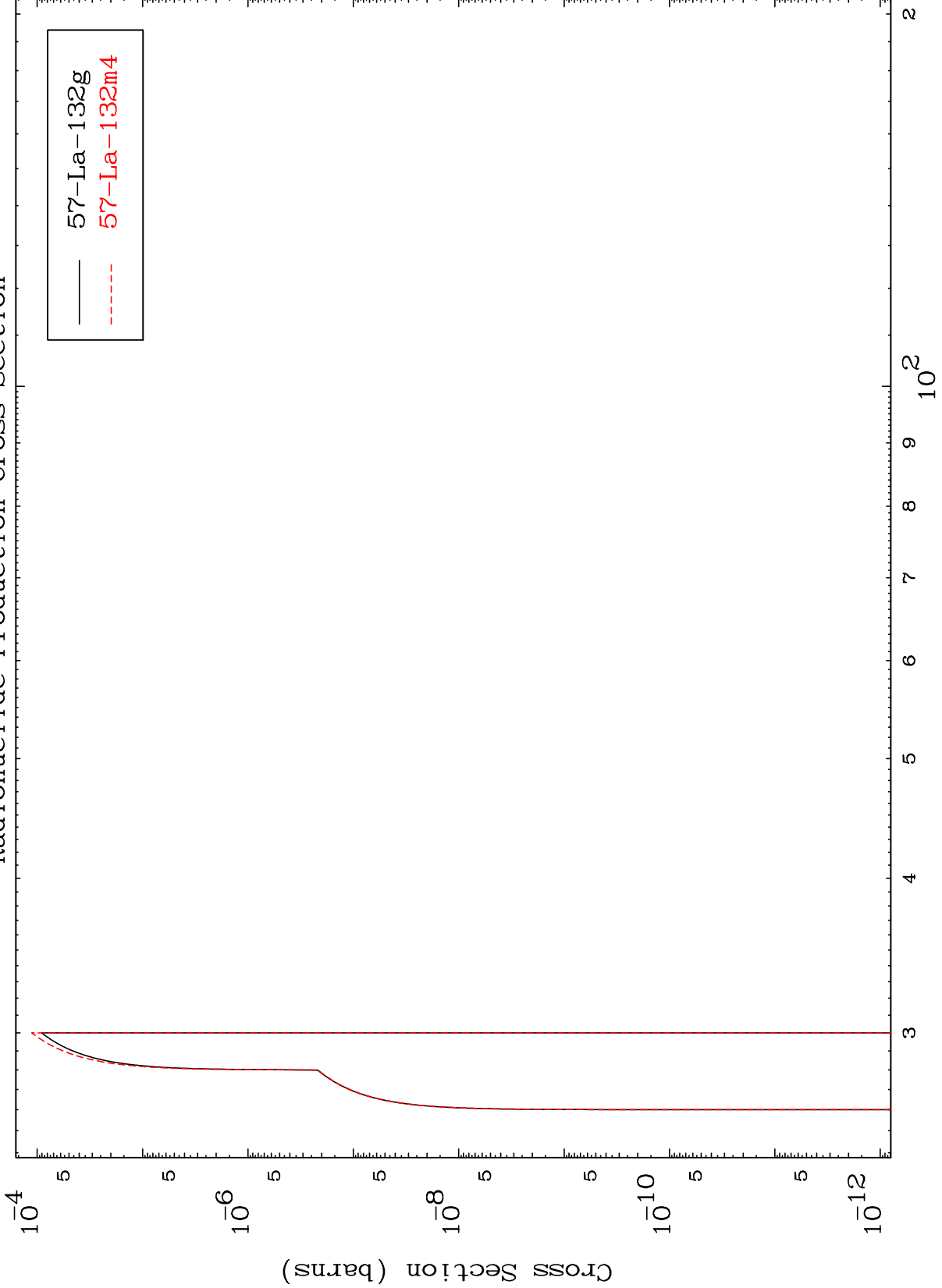
56-Ba-131m

MAT 5629

56-Ba-131m

(n,2n) p

Radionuclide Production Cross Section



14

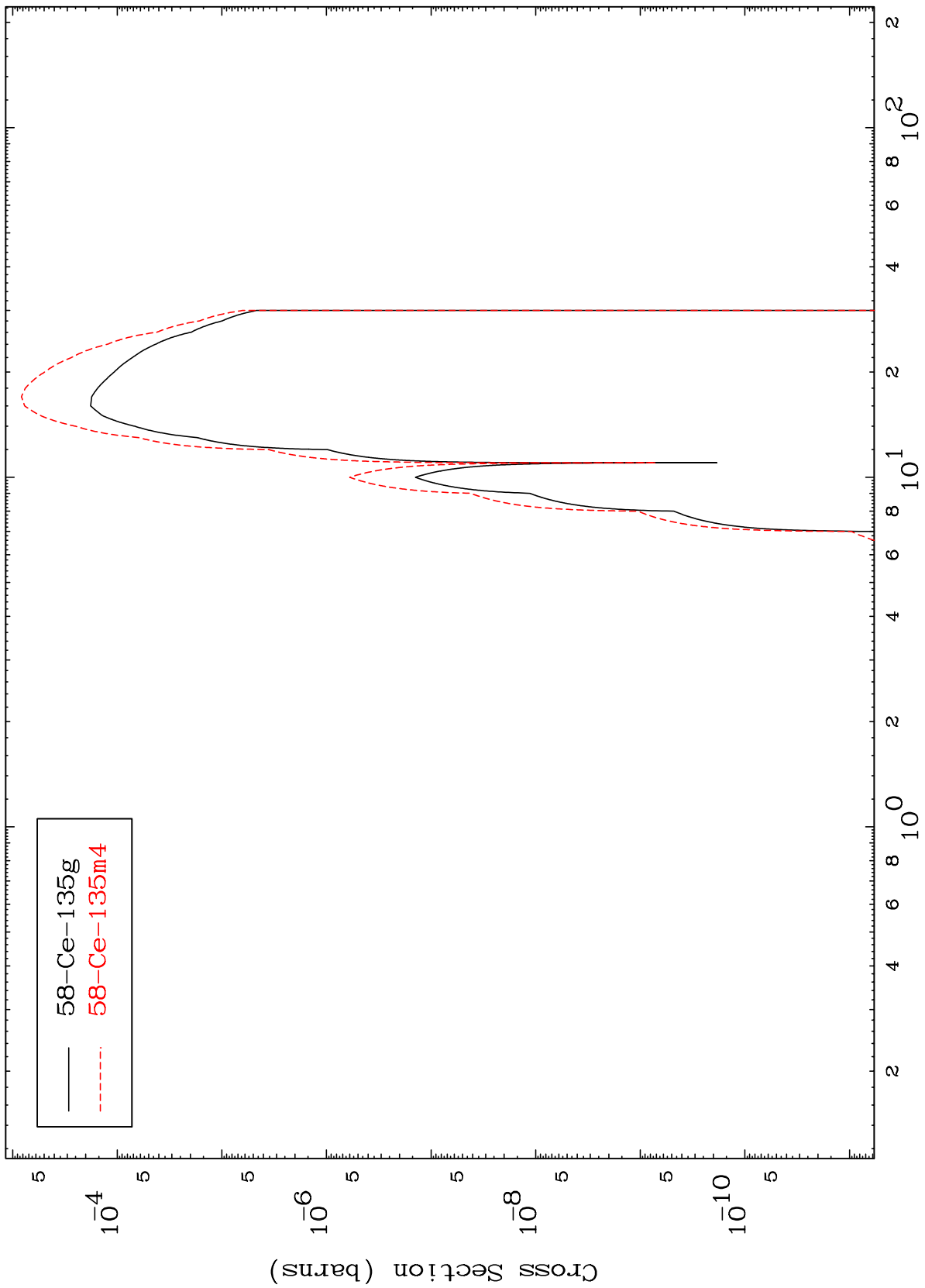
Incident Energy (MeV)

56-Ba-131m

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56-Ba-131m

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



— 58-Ce-135g  
- - - 58-Ce-135m4

56-Ba-131m

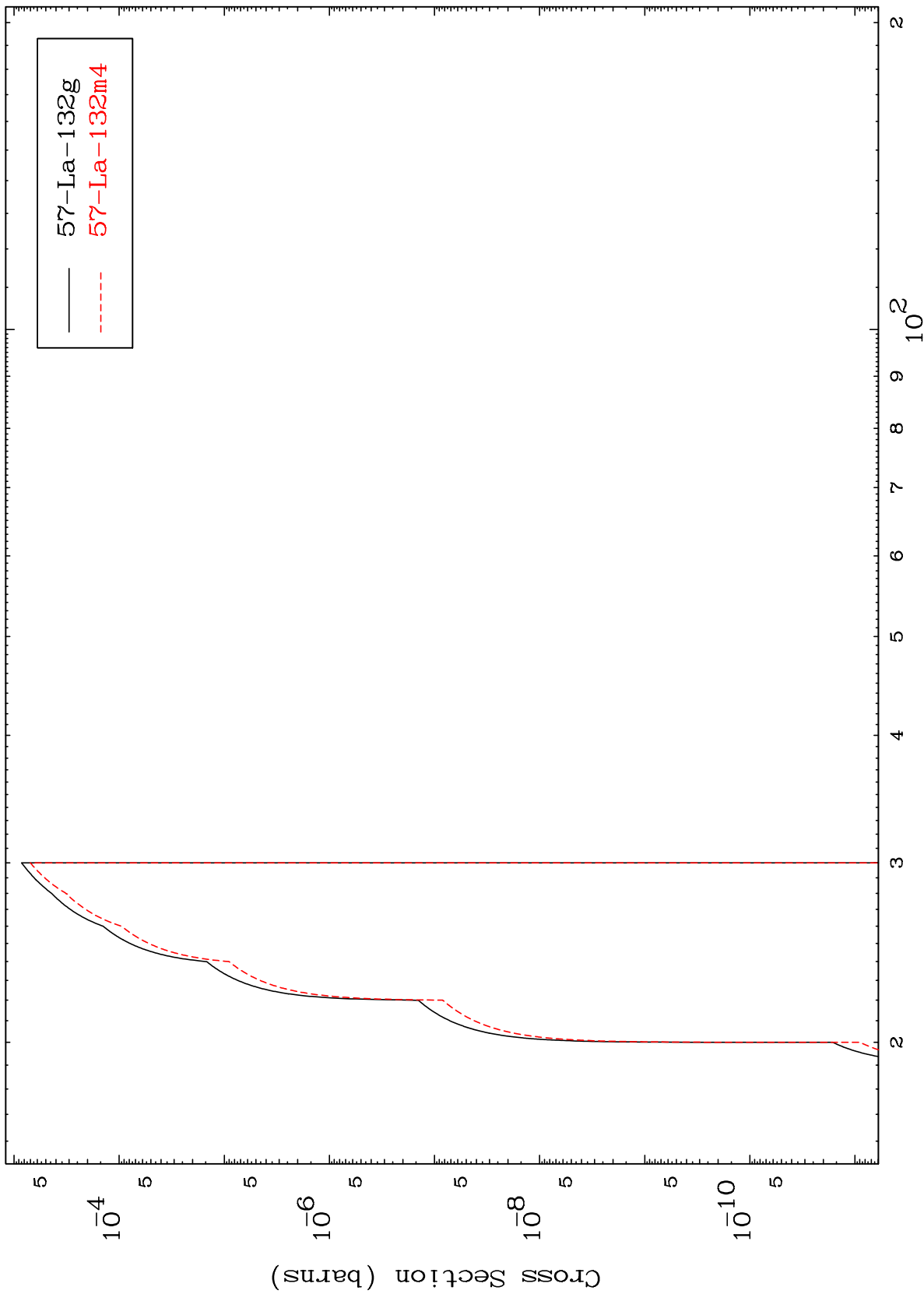
Incident Energy (MeV)

15

MAT 5629

56-Ba-131m

(n,t)  
Radionuclide Production Cross Section



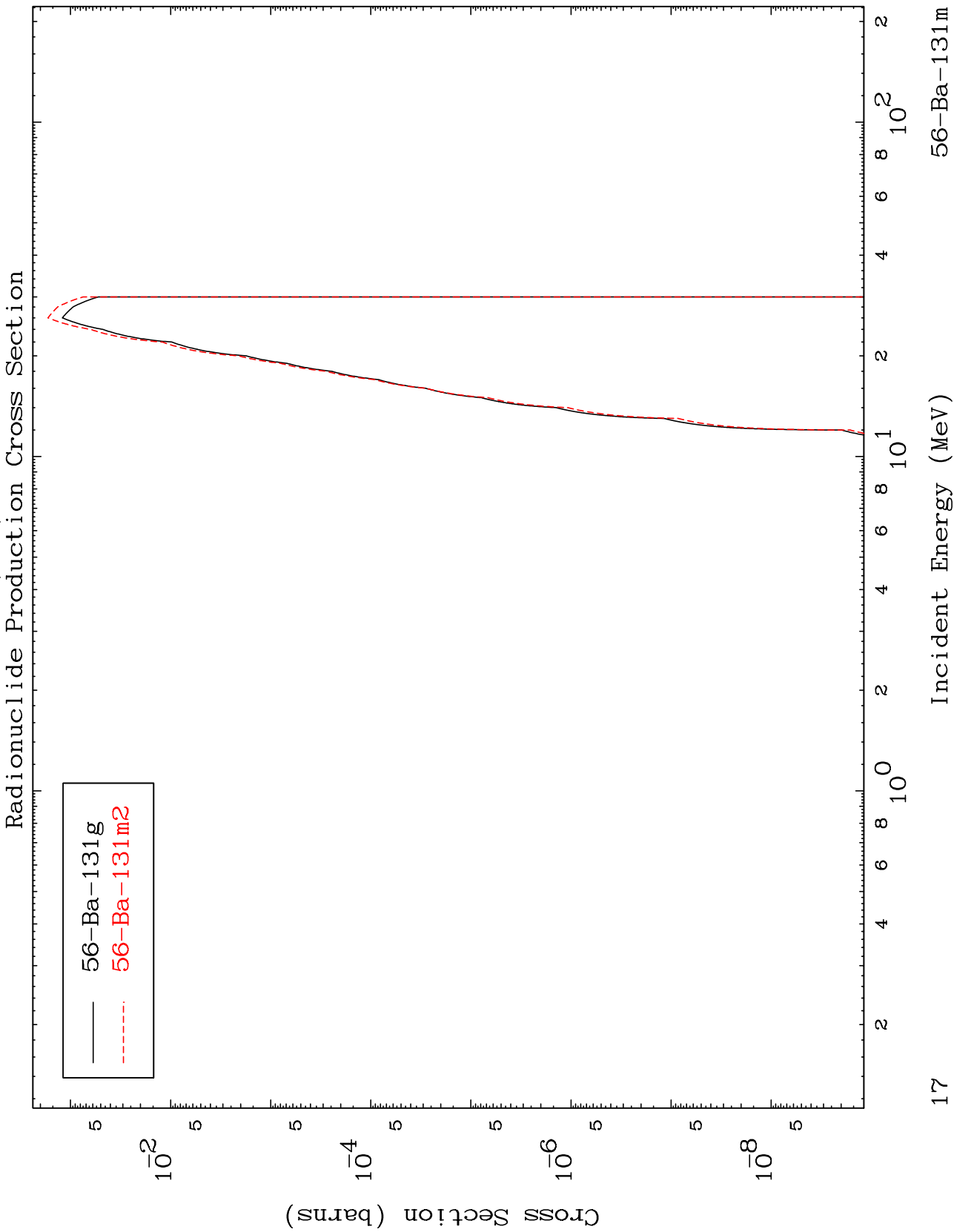
16

56-Ba-131m

Incident Energy (MeV)

MAT 5629

56-Ba-131m

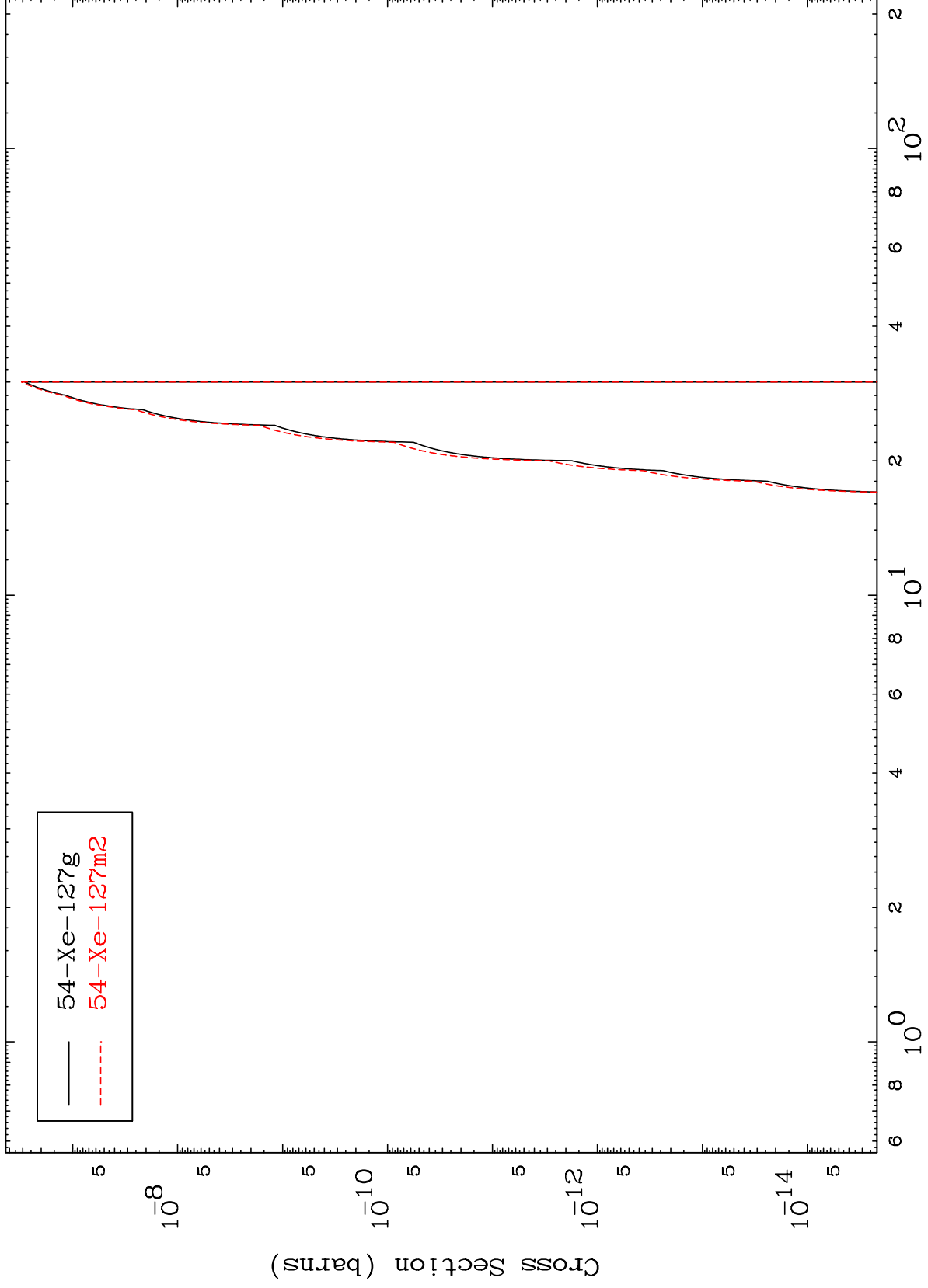
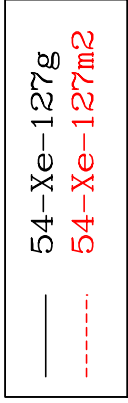


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(n,2α)

56-Ba-131m

Radionuclide Production Cross Section



18

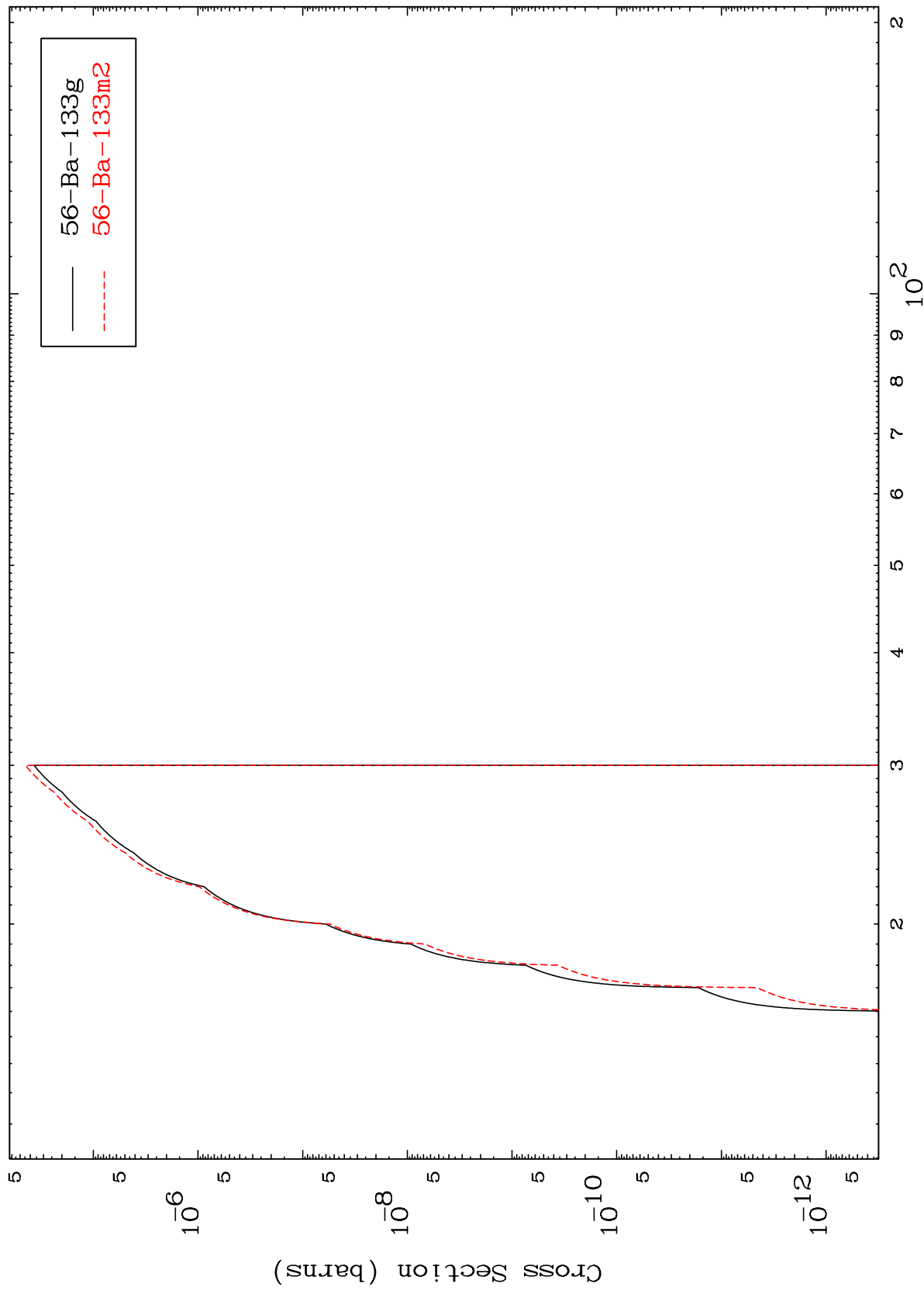
Incident Energy (MeV)

56-Ba-131m

MAT 5629

56-Ba-131m

(n,2p)  
Radionuclide Production Cross Section



19

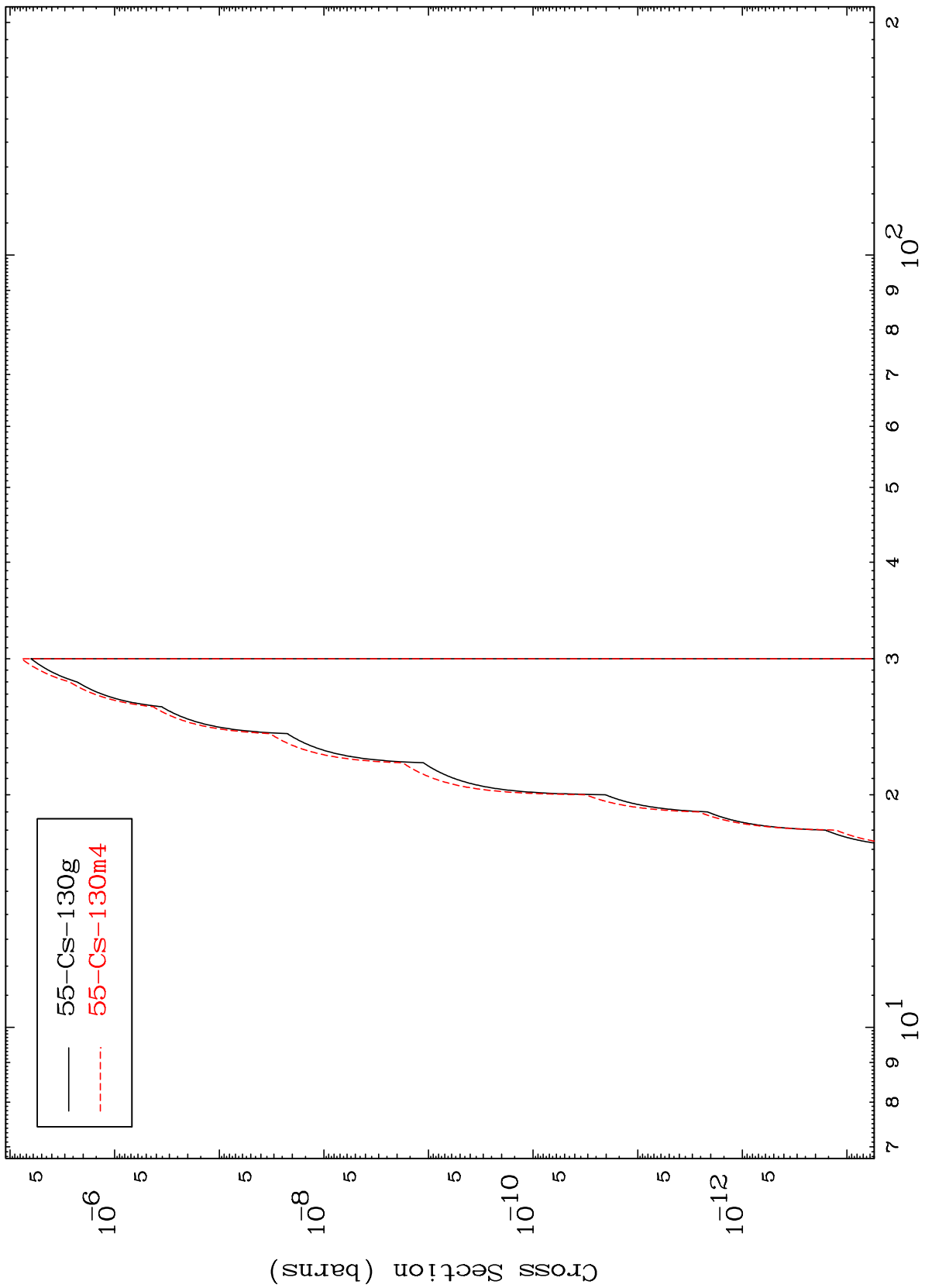
Incident Energy (MeV)

56-Ba-131m

MAT 5629

56-Ba-131m

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



20

Incident Energy (MeV)

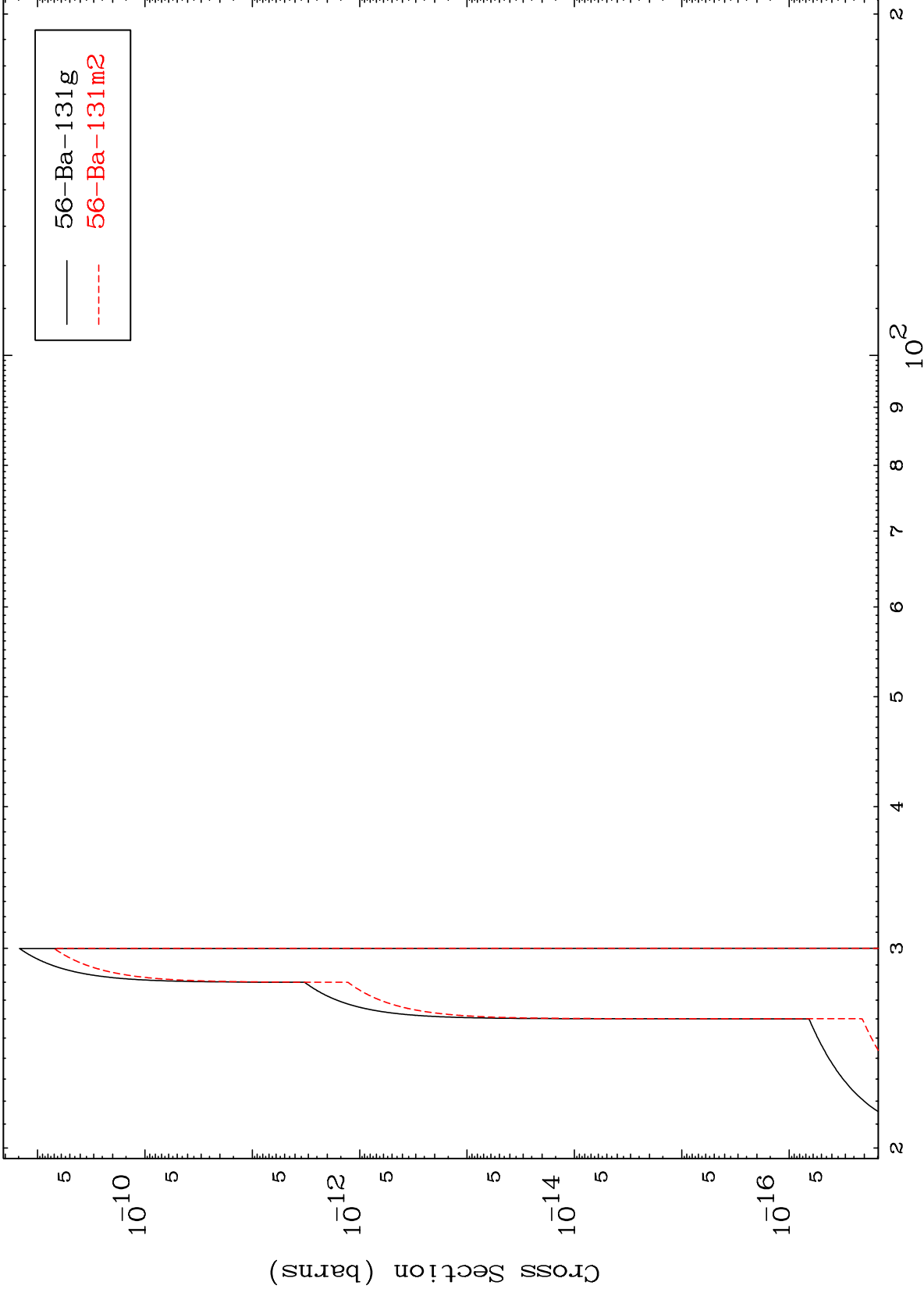
56-Ba-131m

MAT 5629

(n,p) t

56-Ba-131m

Radionuclide Production Cross Section



21

Incident Energy (MeV)

56-Ba-131m