

Program EVALPLOT  
(Version 2021-1)

by

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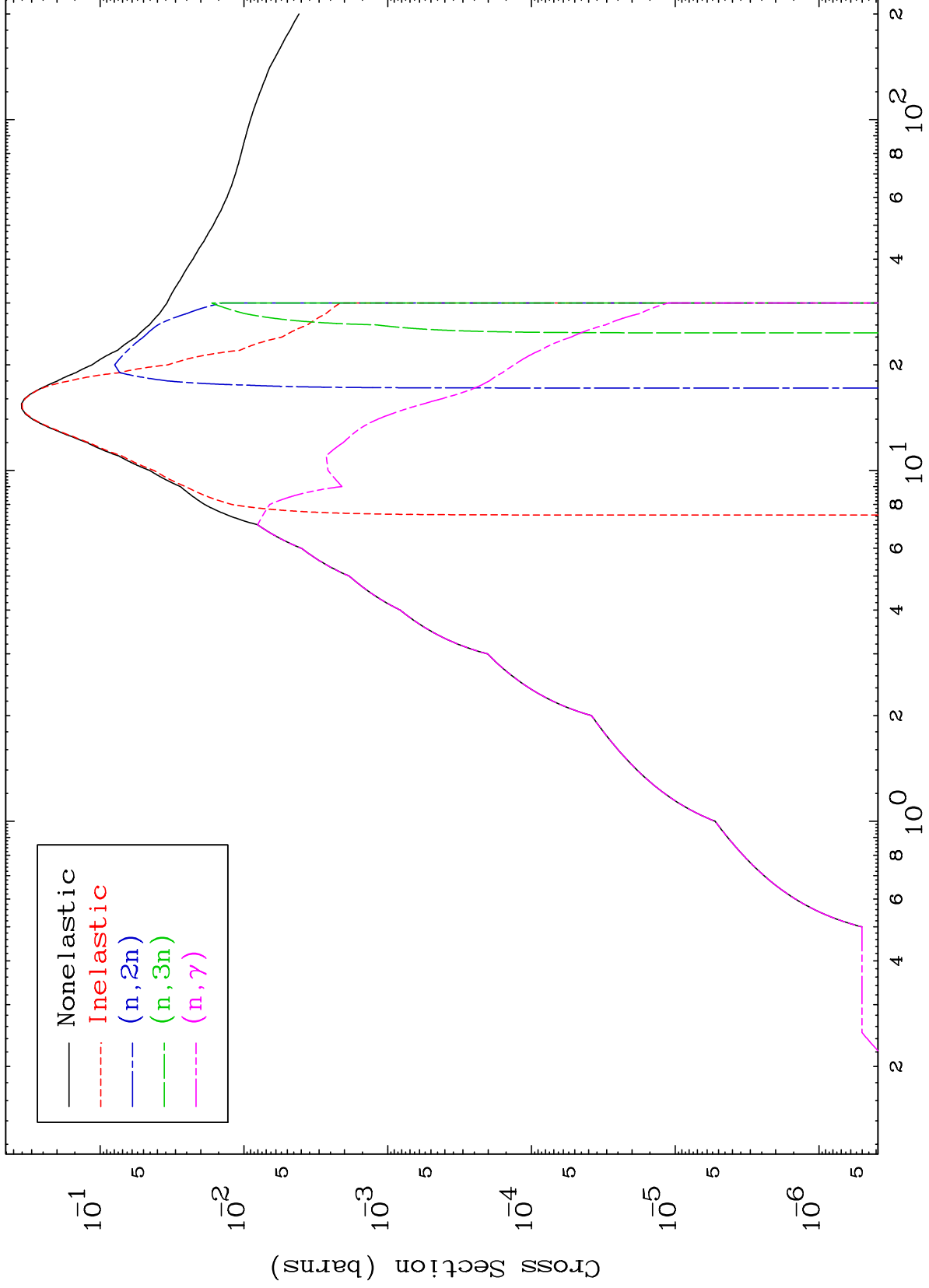
Press Mouse Button to Start

MAT 5834

Photon Major

58-Ce-139

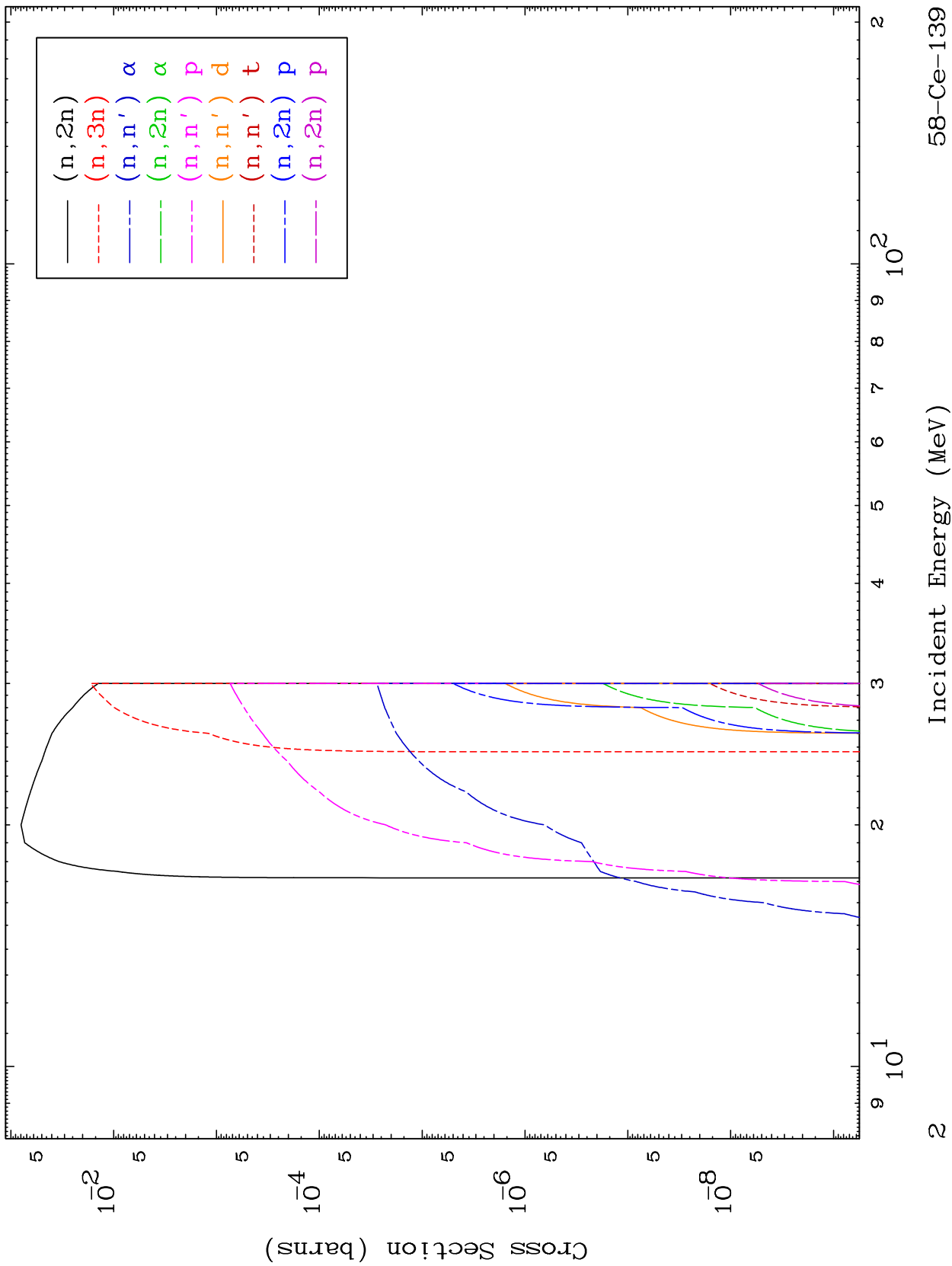
0 Kelvin Cross Sections



MAT 5834

Photon Neutron Absorption  
0 Kelvin Cross Sections

58-Ce-139

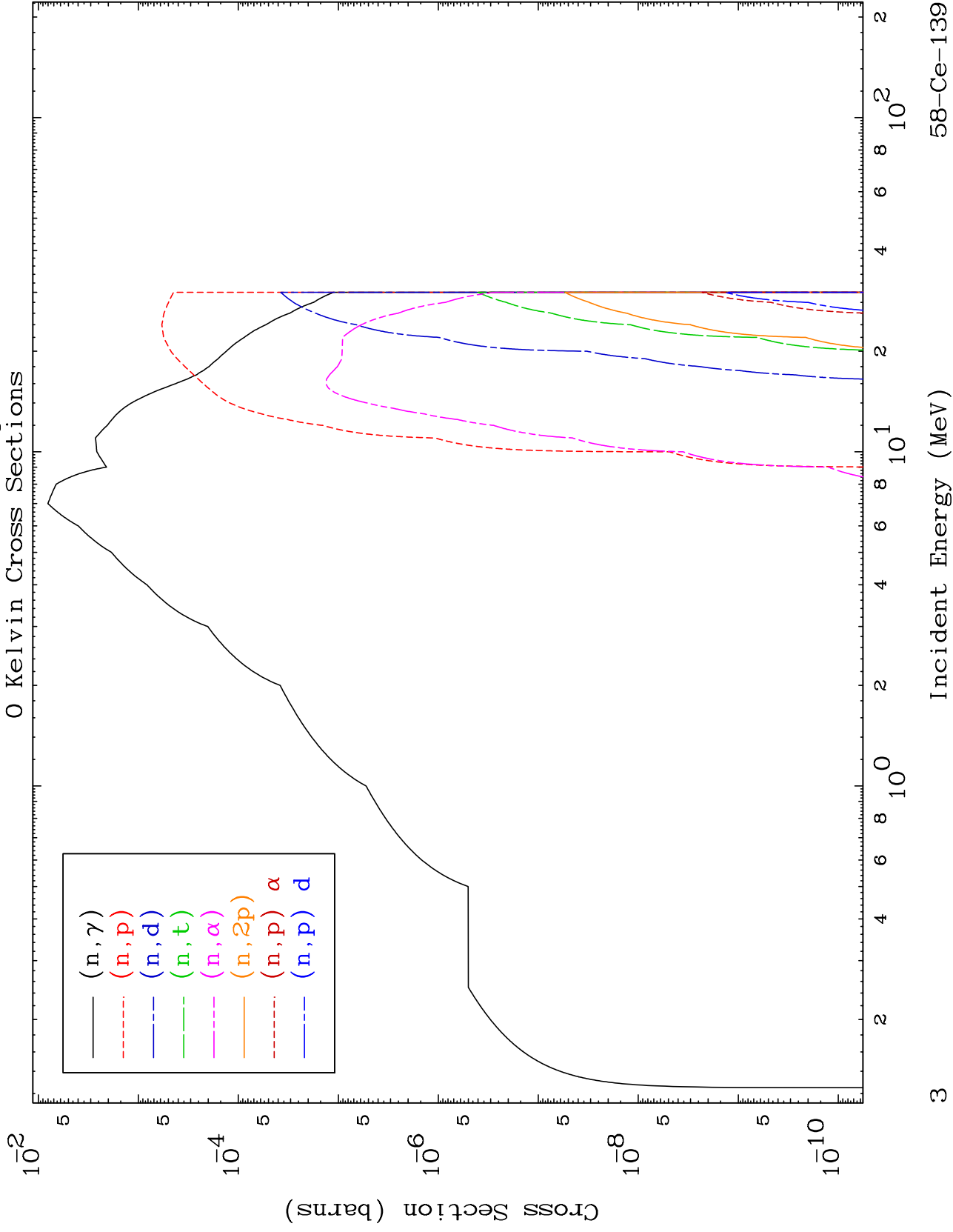


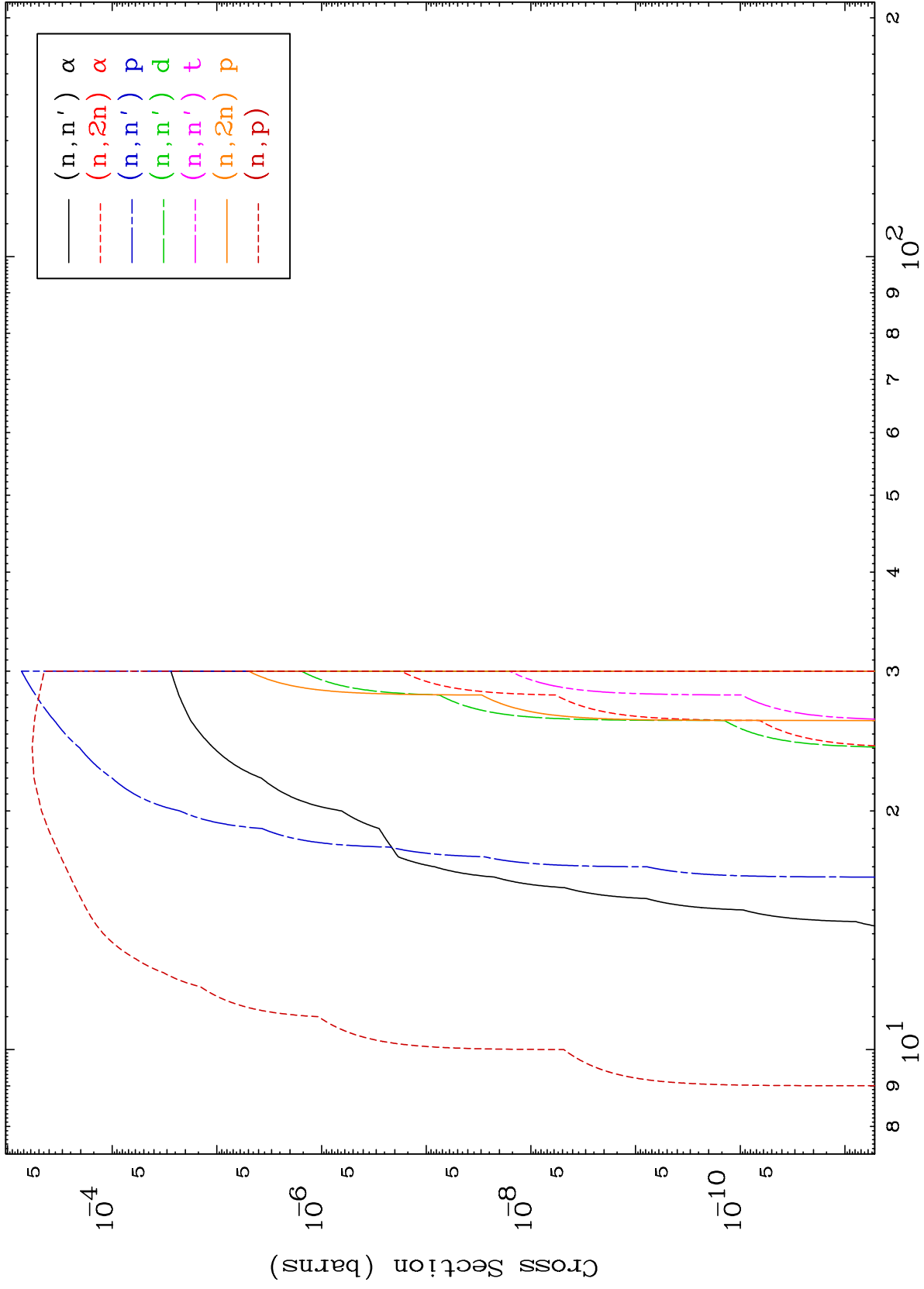
58-Ce-139

MAT 5834

Photon Neutron Absorption  
0 Kelvin Cross Sections

58-Ce-139

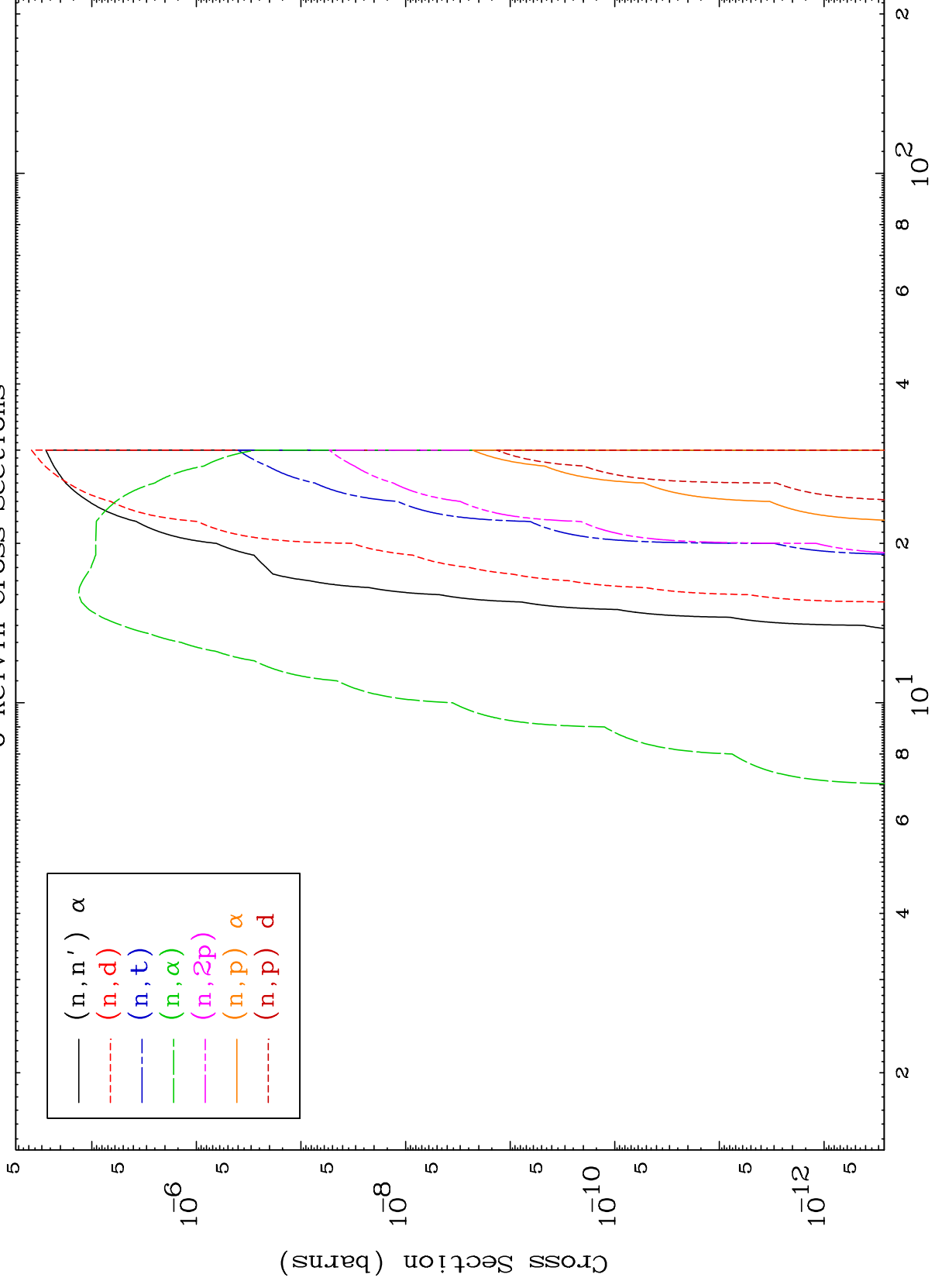




MAT 5834

Photon Charged Particle  
0 Kelvin Cross Sections

58-Ce-139



5

Incident Energy (MeV)

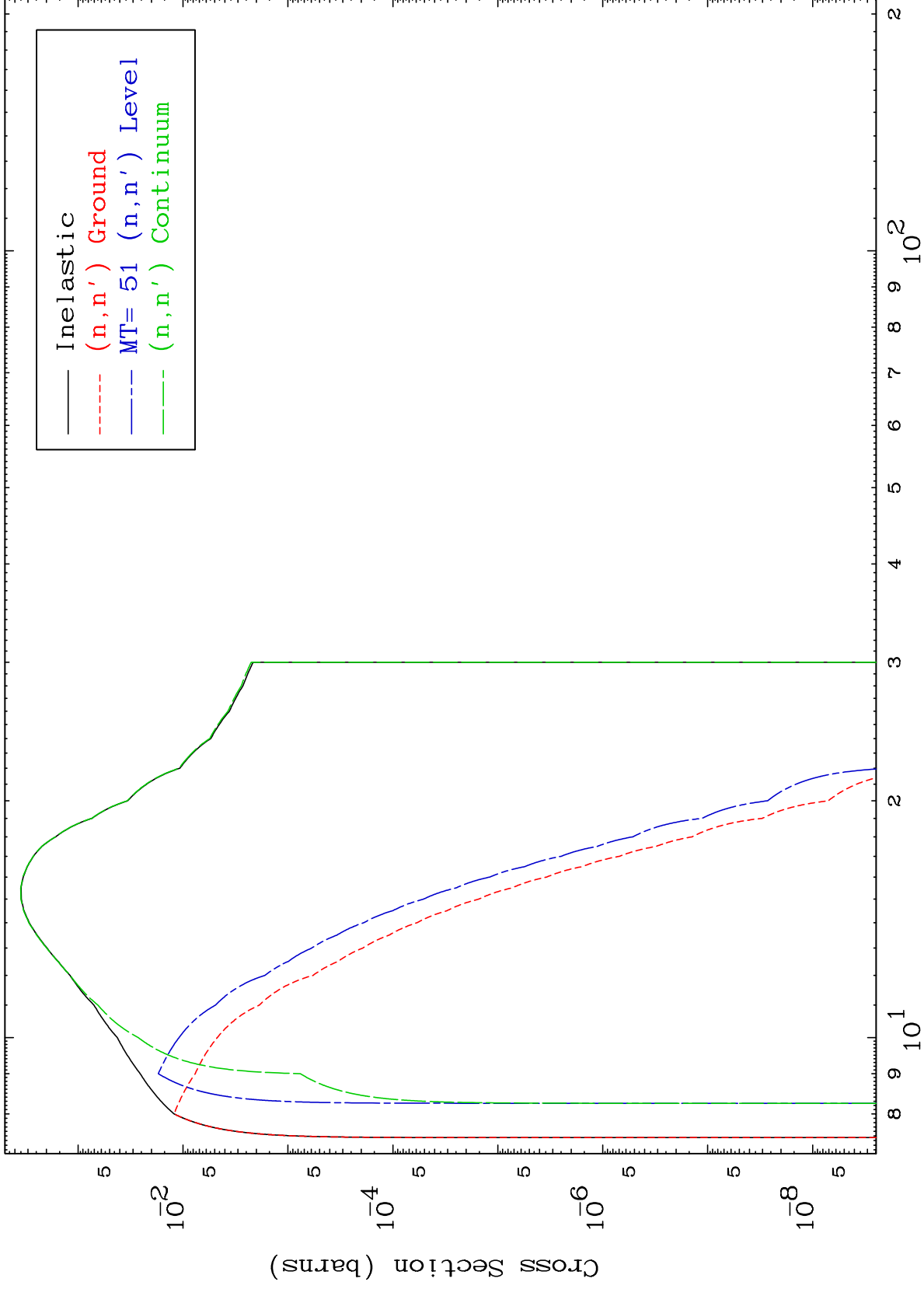
58-Ce-139

MAT 5834

( $\gamma, n'$ ) Levels

58-Ce-139

0 Kelvin Cross Sections



Incident Energy (MeV)

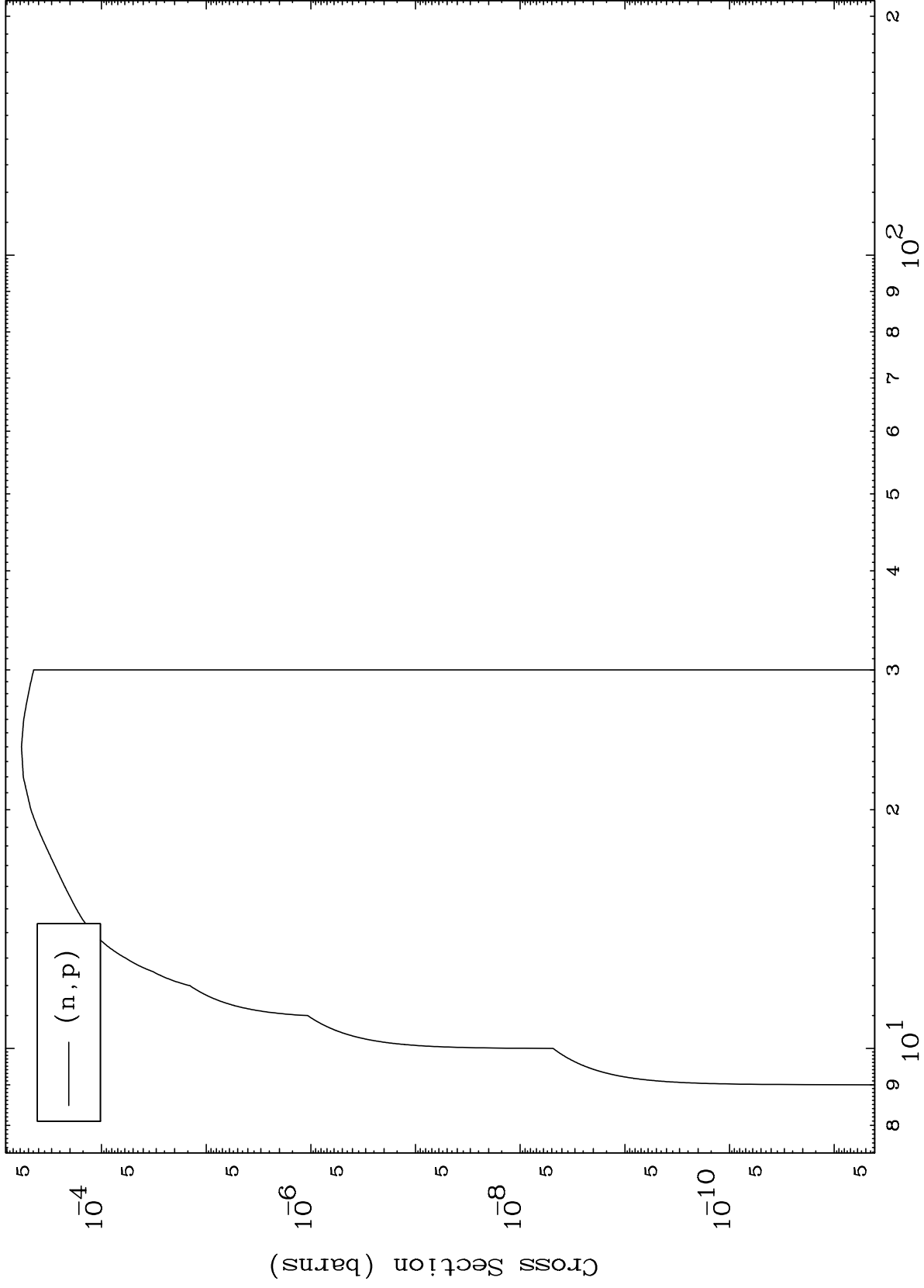
58-Ce-139

6

MAT 5834

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

58-Ce-139



7

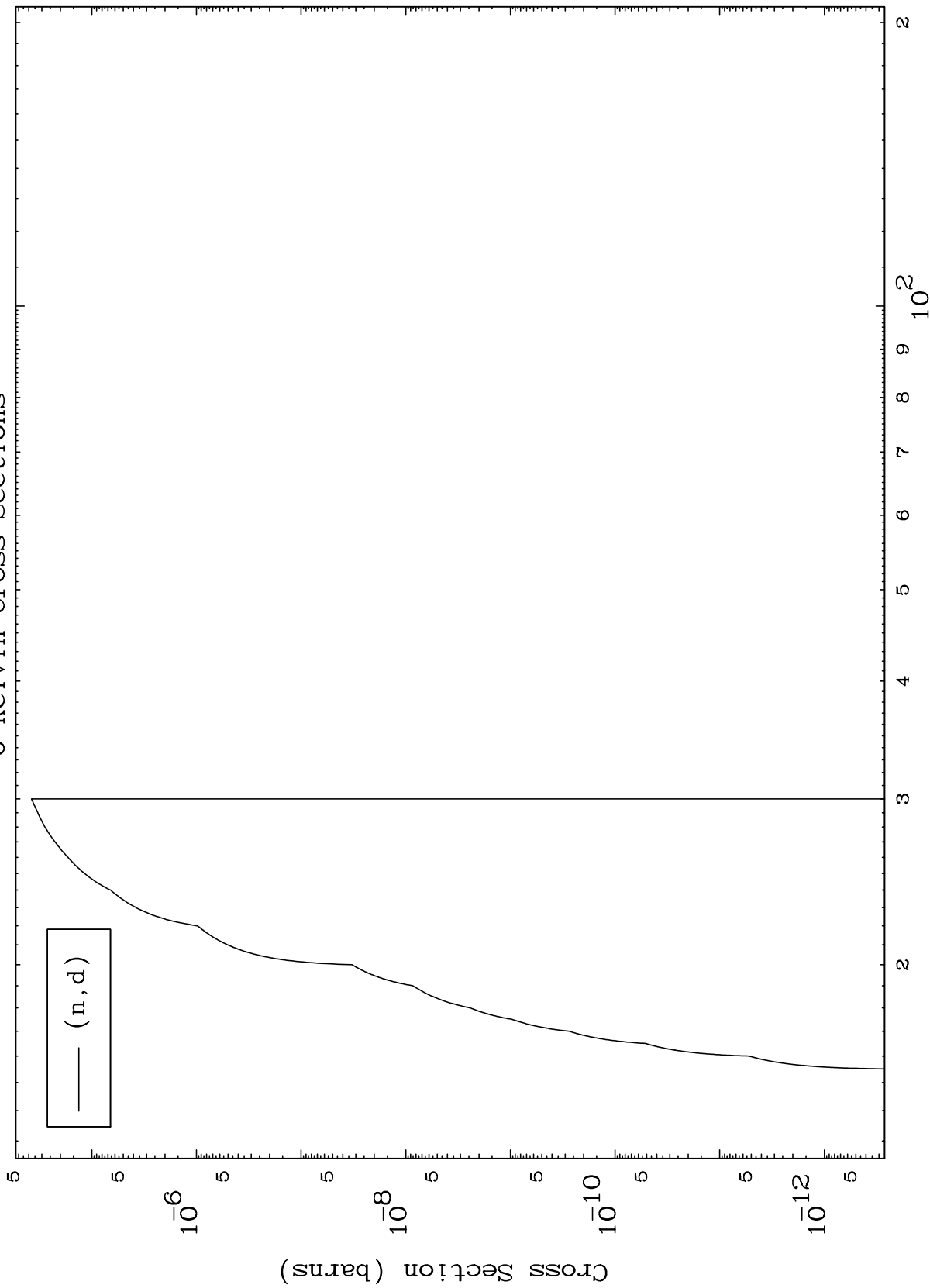
Incident Energy (MeV)

58-Ce-139

MAT 5834

58-Ce-139

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



58-Ce-139

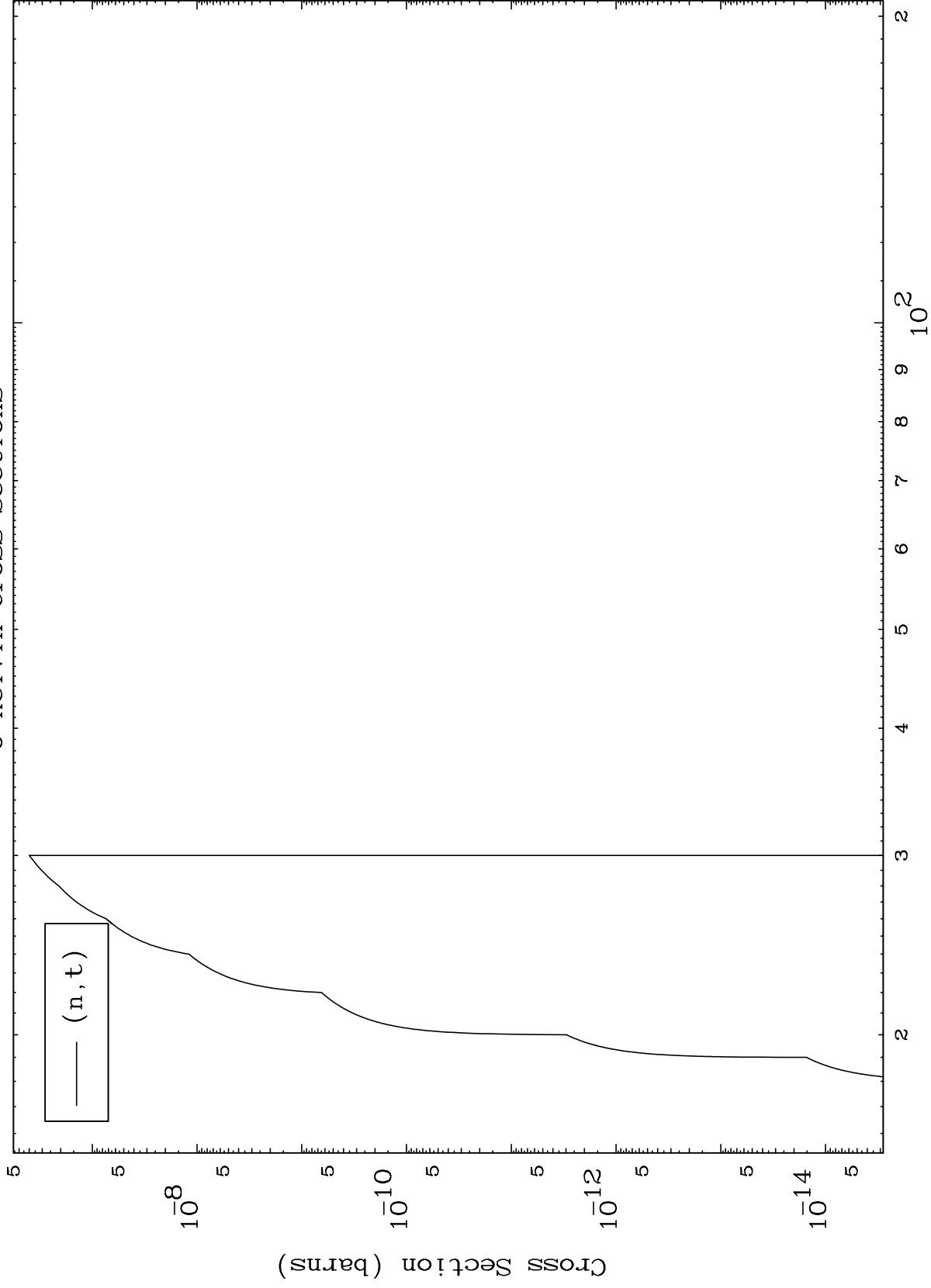
Incident Energy (MeV)

8

MAT 5834

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

58-Ce-139



9

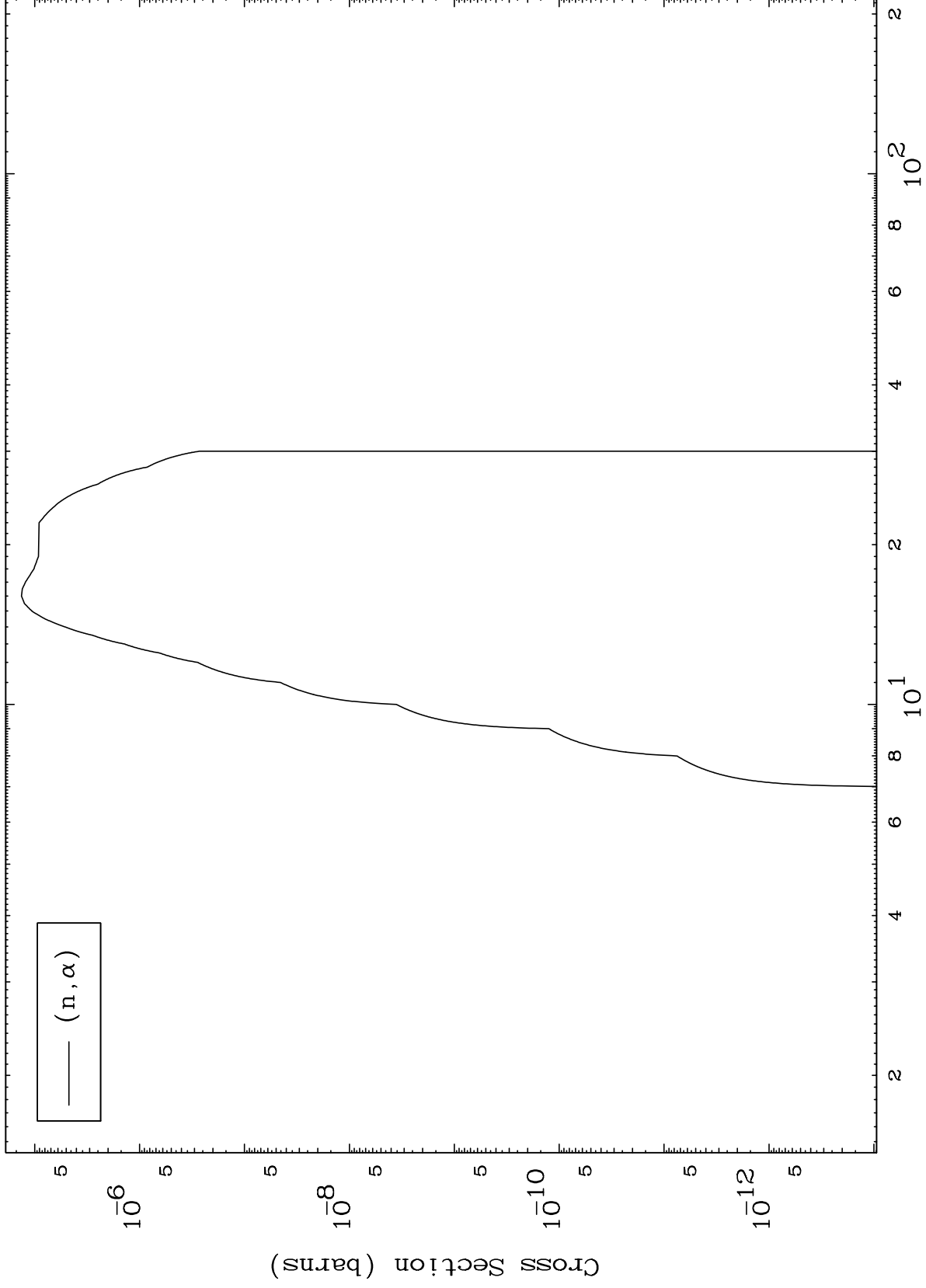
Incident Energy (MeV)

58-Ce-139

MAT 5834

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

58-Ce-139



10

Incident Energy (MeV)

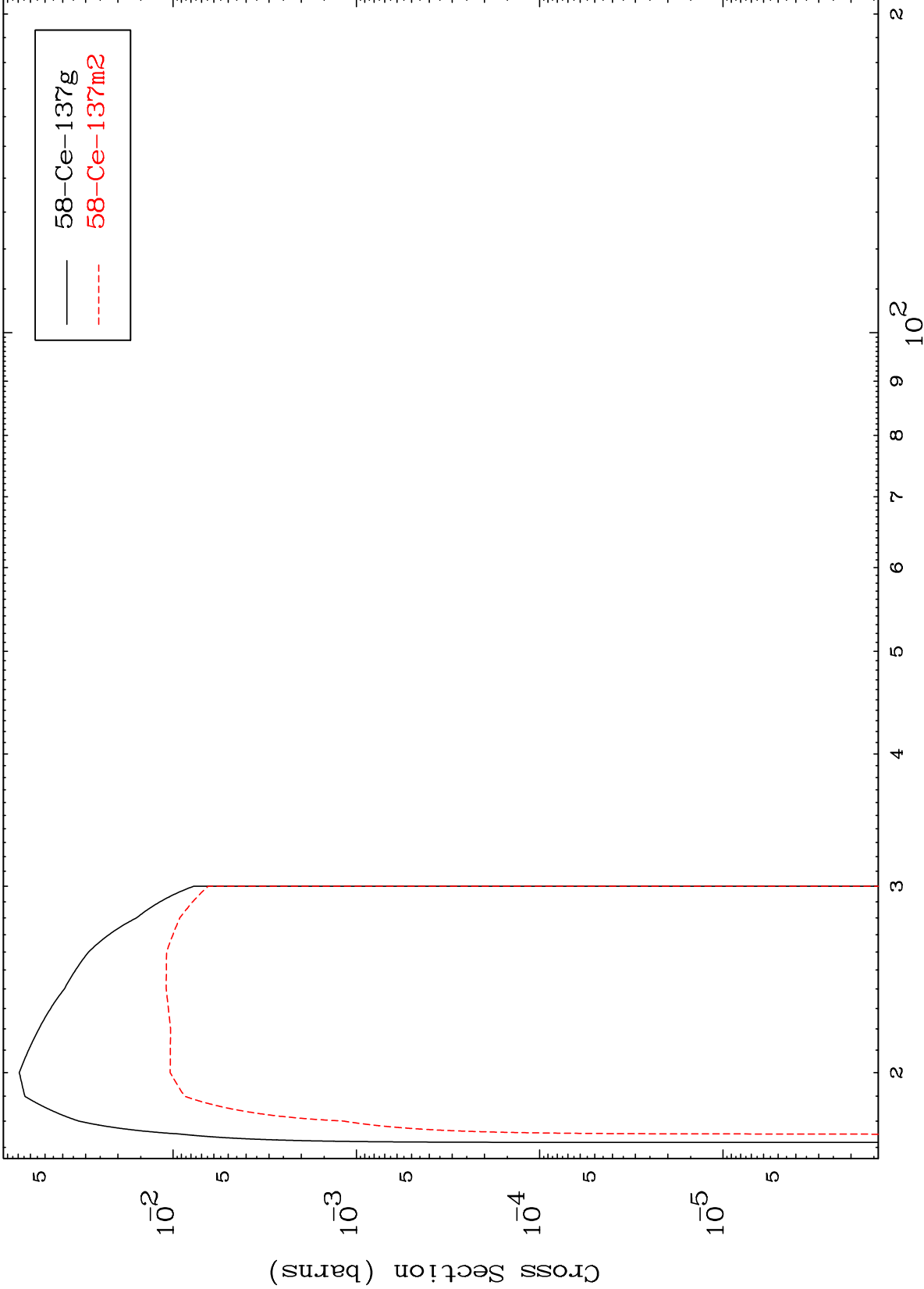
58-Ce-139

MAT 5834

(n,2n)

58-Ce-139

Radionuclide Production Cross Section



11

Incident Energy (MeV)

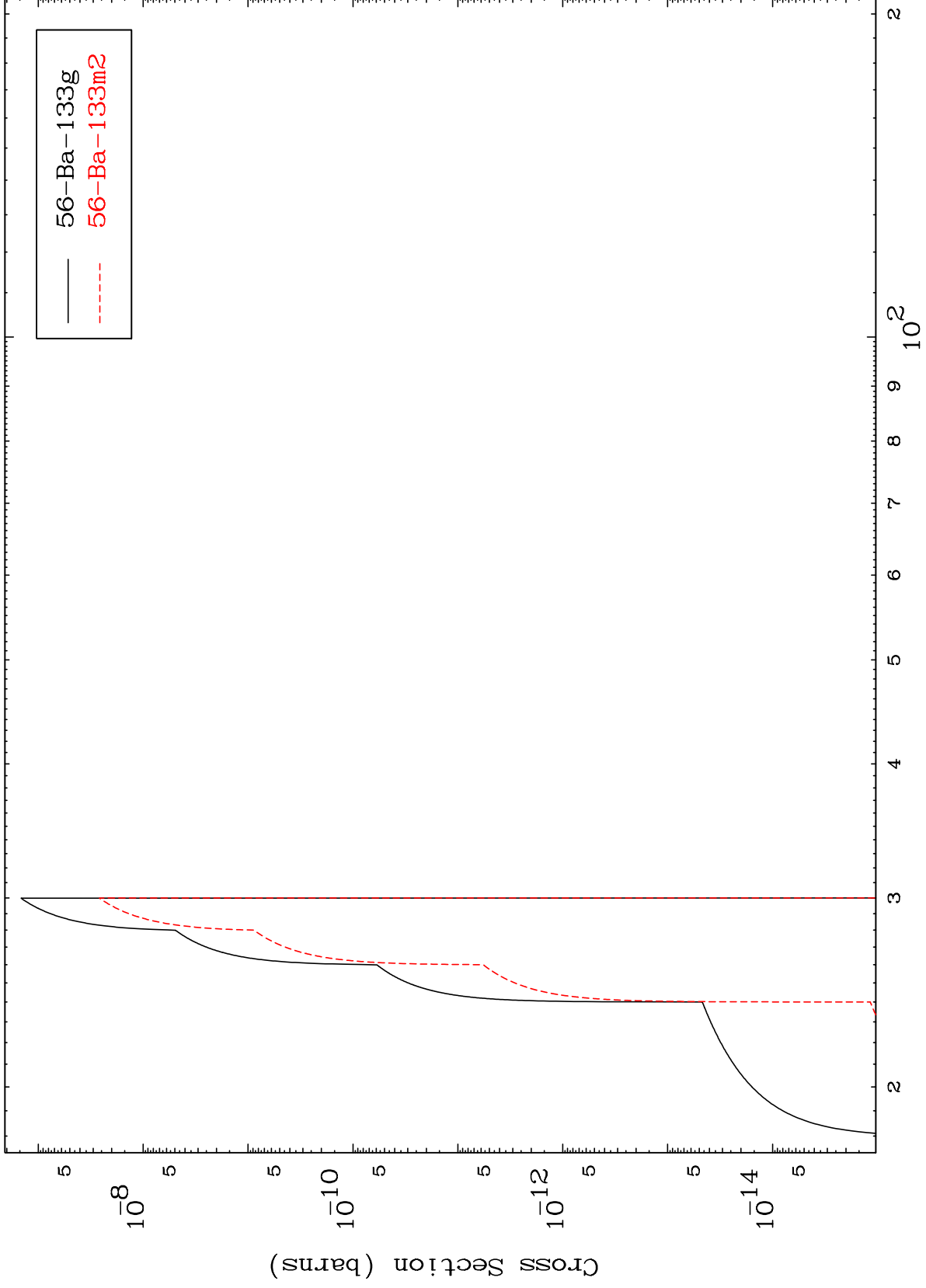
58-Ce-139

MAT 5834

(n,2n)  $\alpha$

58-Ce-139

Radionuclide Production Cross Section



12

Incident Energy (MeV)

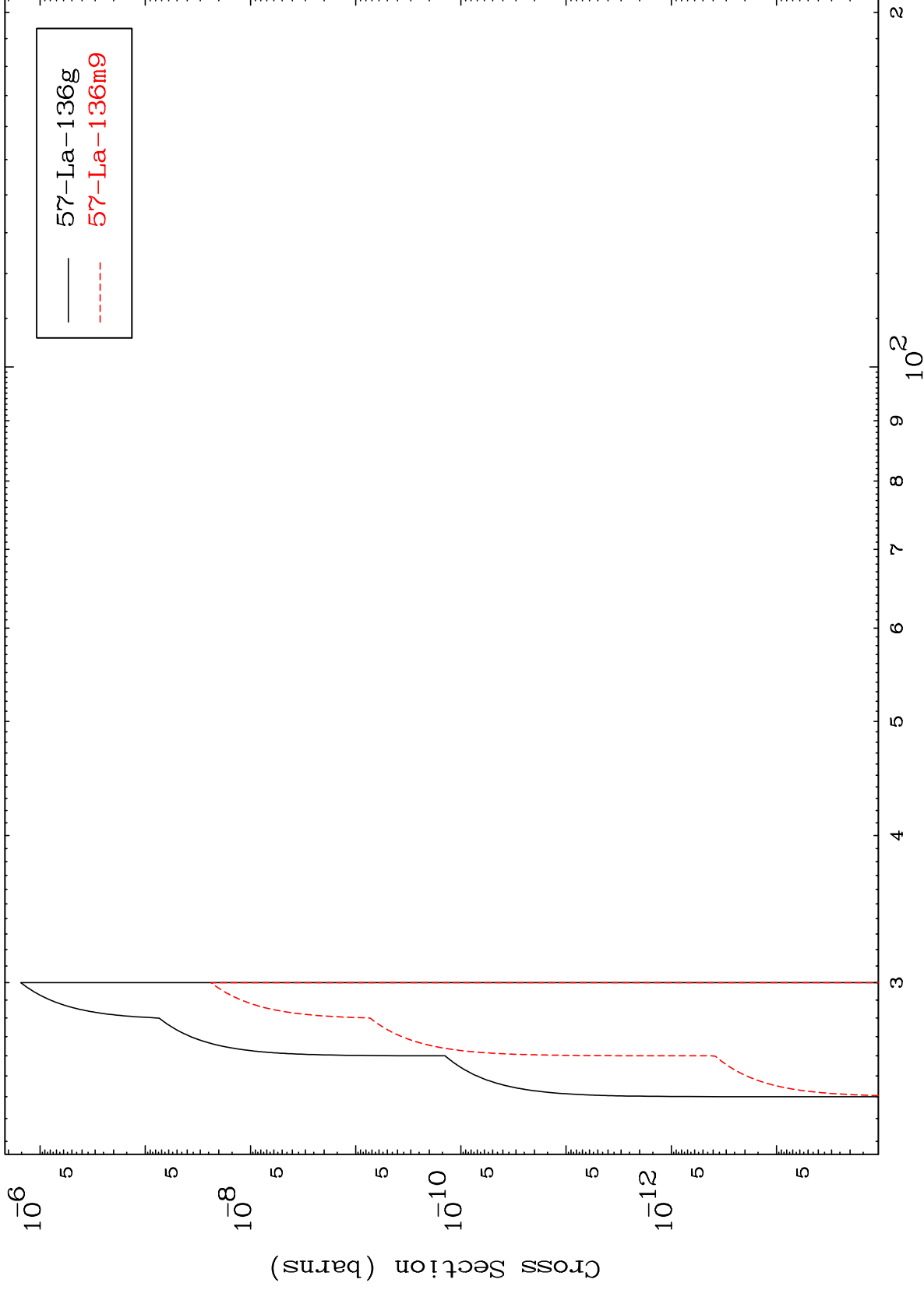
58-Ce-139

MAT 5834

(n,n') d

58-Ce-139

Radionuclide Production Cross Section



13

Incident Energy (MeV)

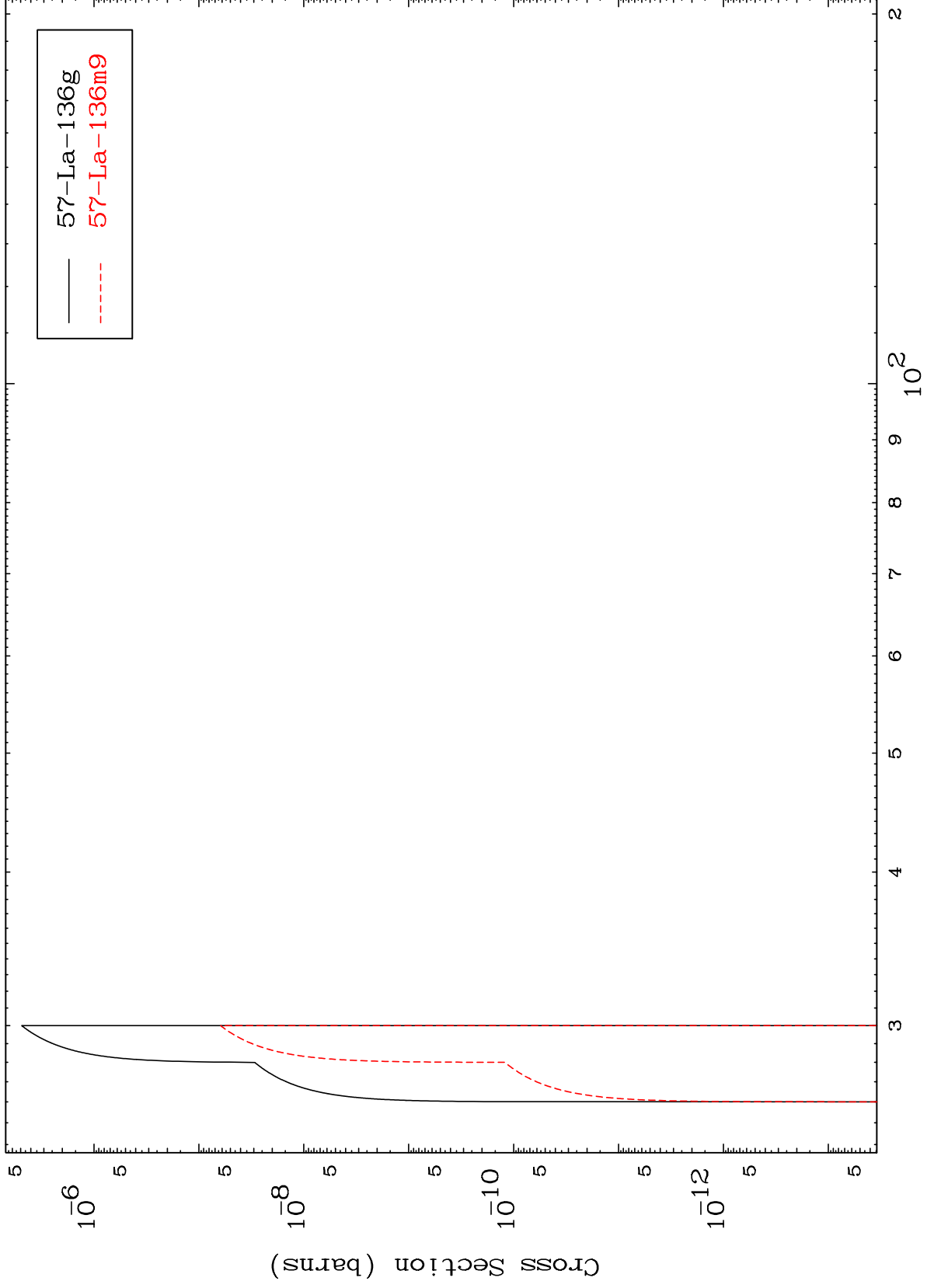
58-Ce-139

MAT 5834

(n,2n) p

58-Ce-139

Radionuclide Production Cross Section



14

Incident Energy (MeV)

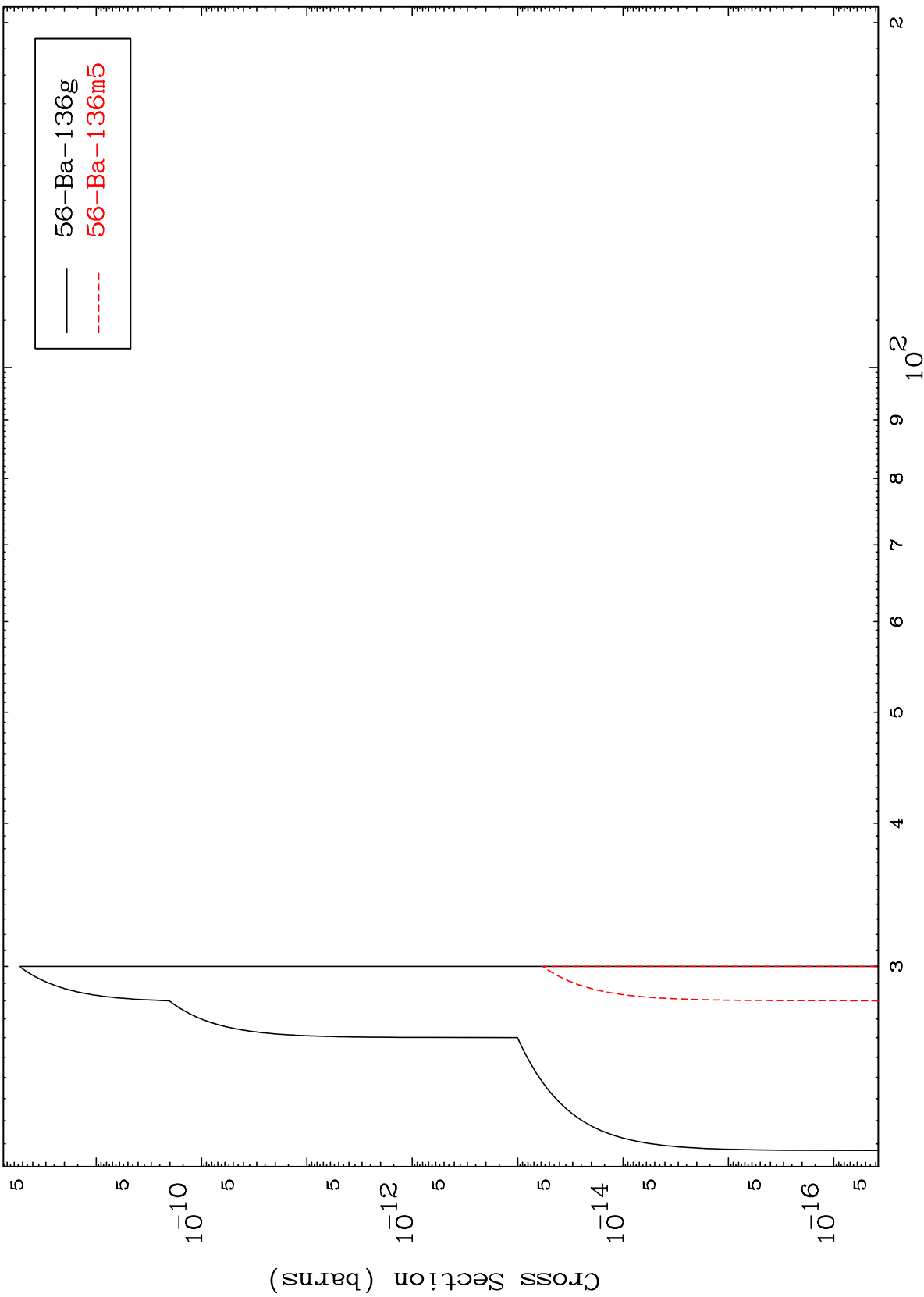
58-Ce-139

MAT 5834

(n,2n) p

58-Ce-139

Radionuclide Production Cross Section



56-Ba-136g  
56-Ba-136m5

15

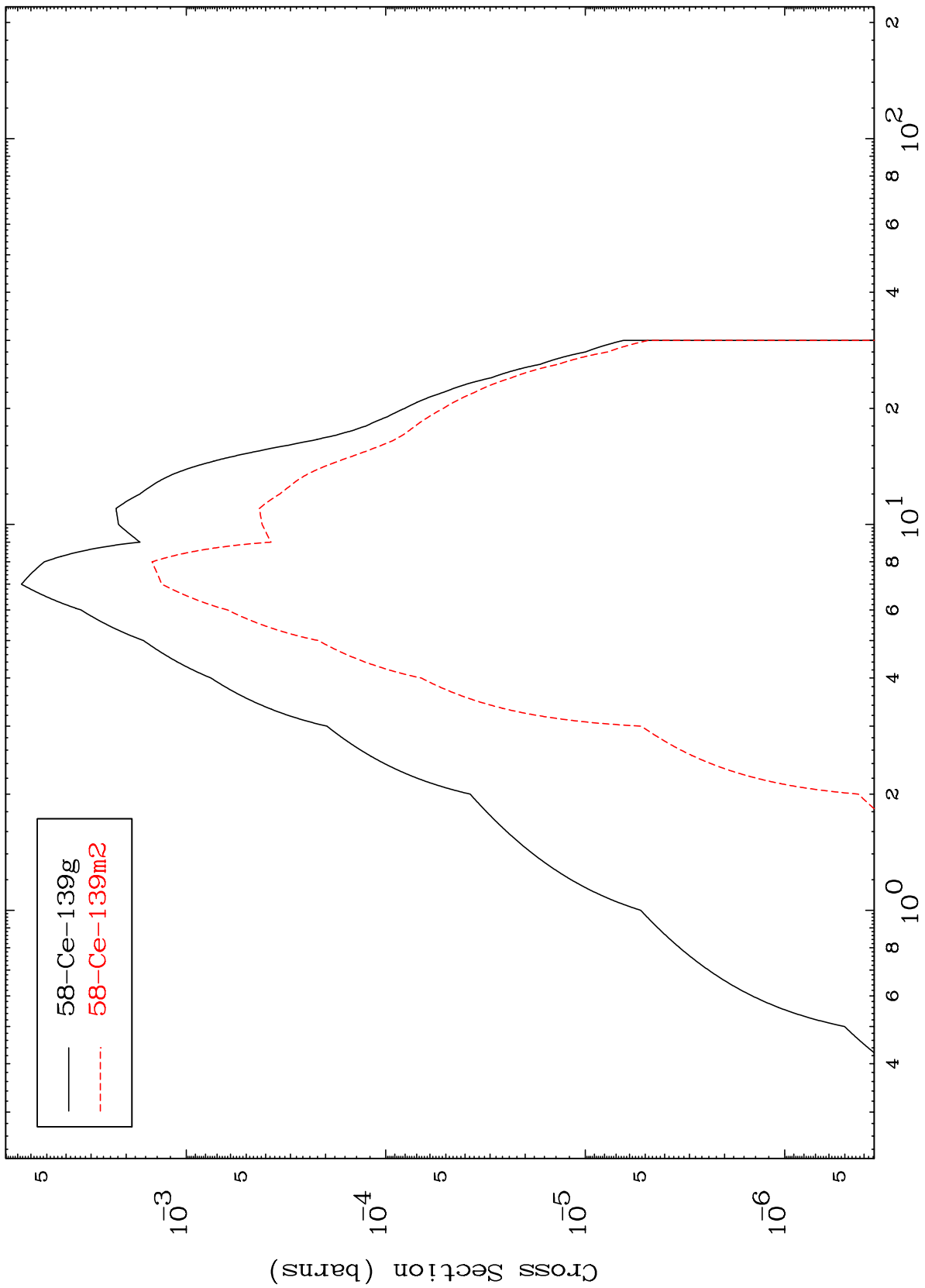
Incident Energy (MeV)

58-Ce-139

MAT 5834

58-Ce-139

(n,γ)  
Radionuclide Production Cross Section



58-Ce-139g  
58-Ce-139m2

58-Ce-139

Incident Energy (MeV)

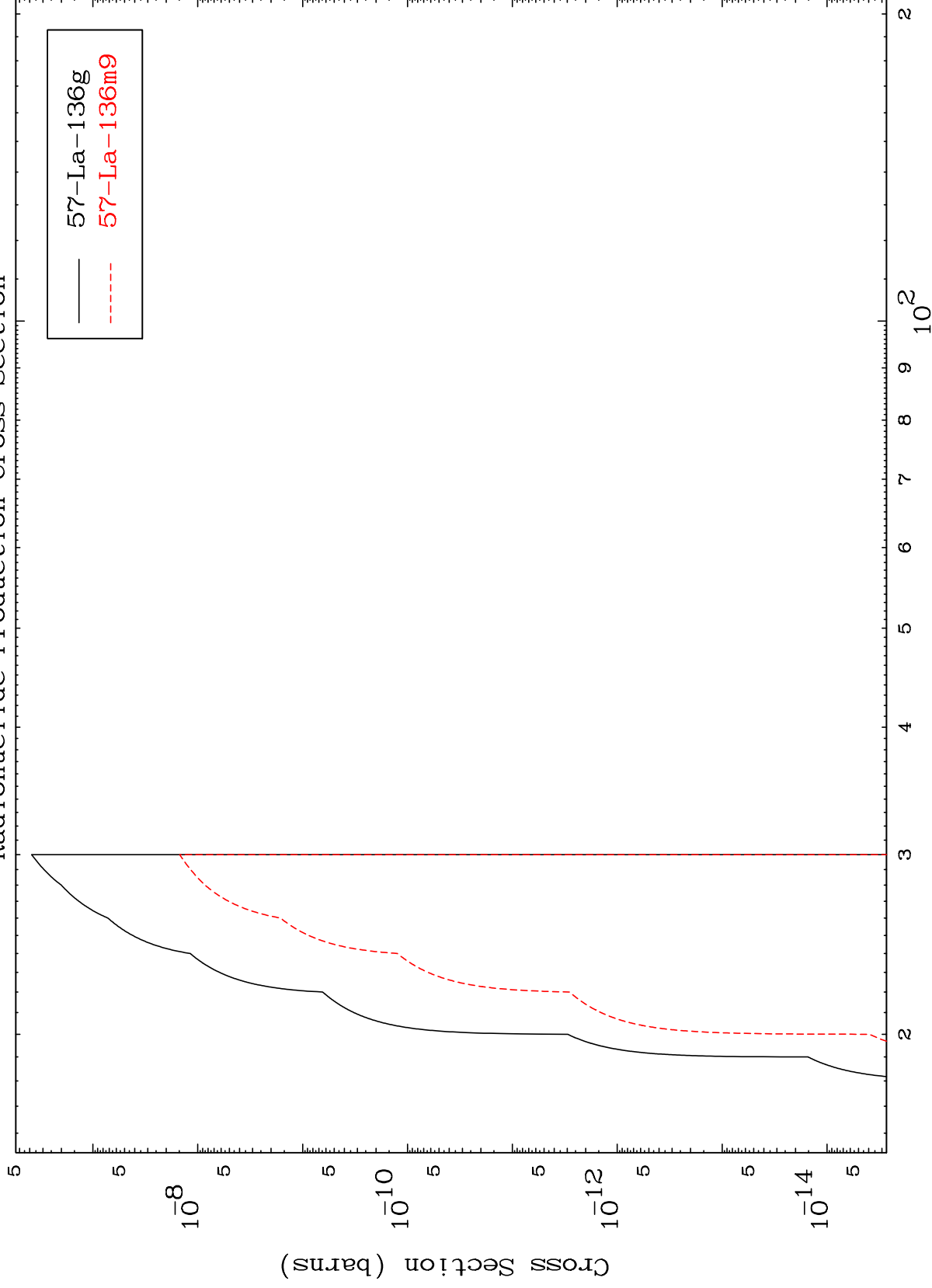
16

MAT 5834

(n, t)

58-Ce-139

Radionuclide Production Cross Section



17

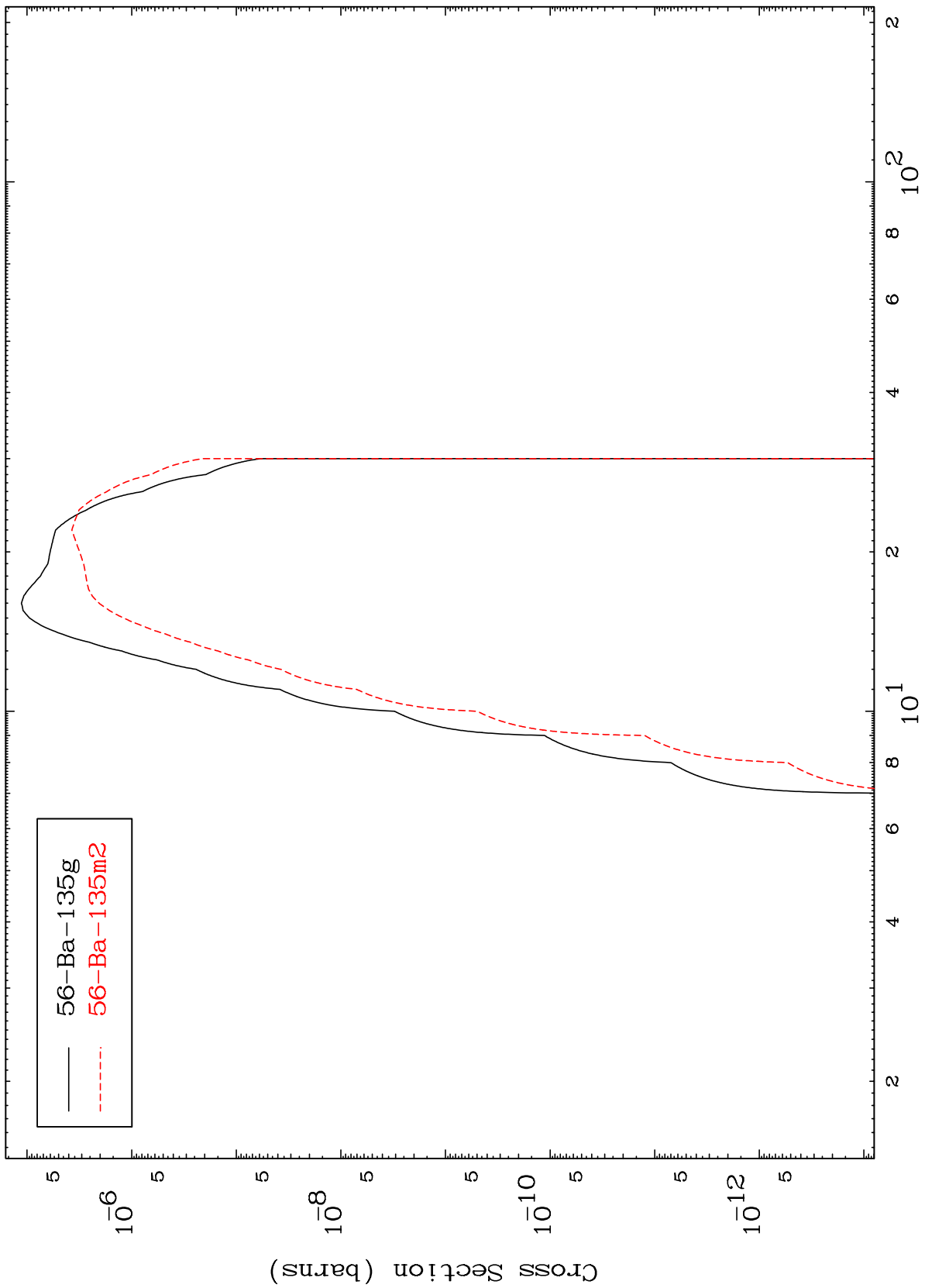
Incident Energy (MeV)

58-Ce-139

MAT 5834

58-Ce-139

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



18

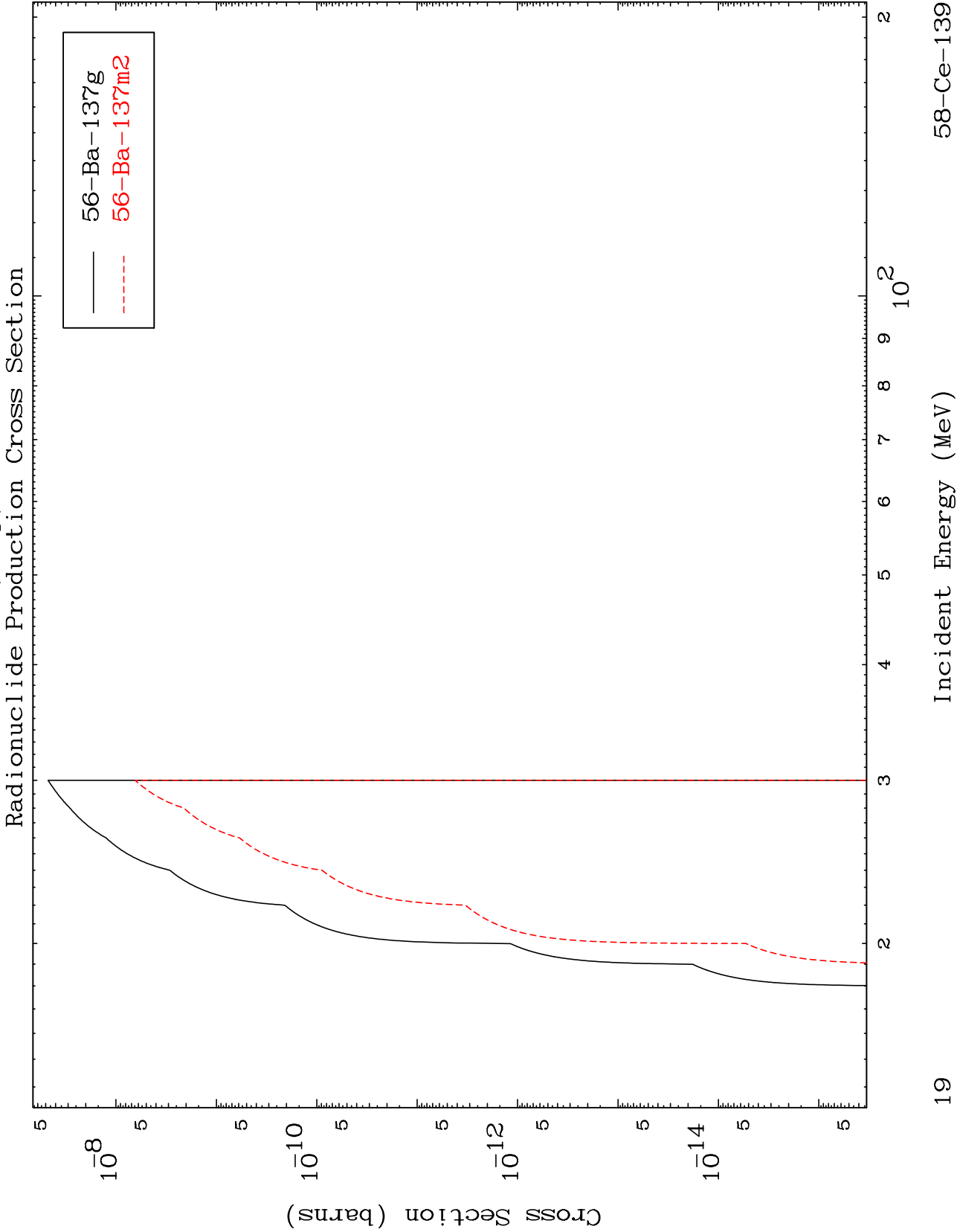
58-Ce-139

Incident Energy (MeV)

MAT 5834

(n,2p)

58-Ce-139



19

Incident Energy (MeV)

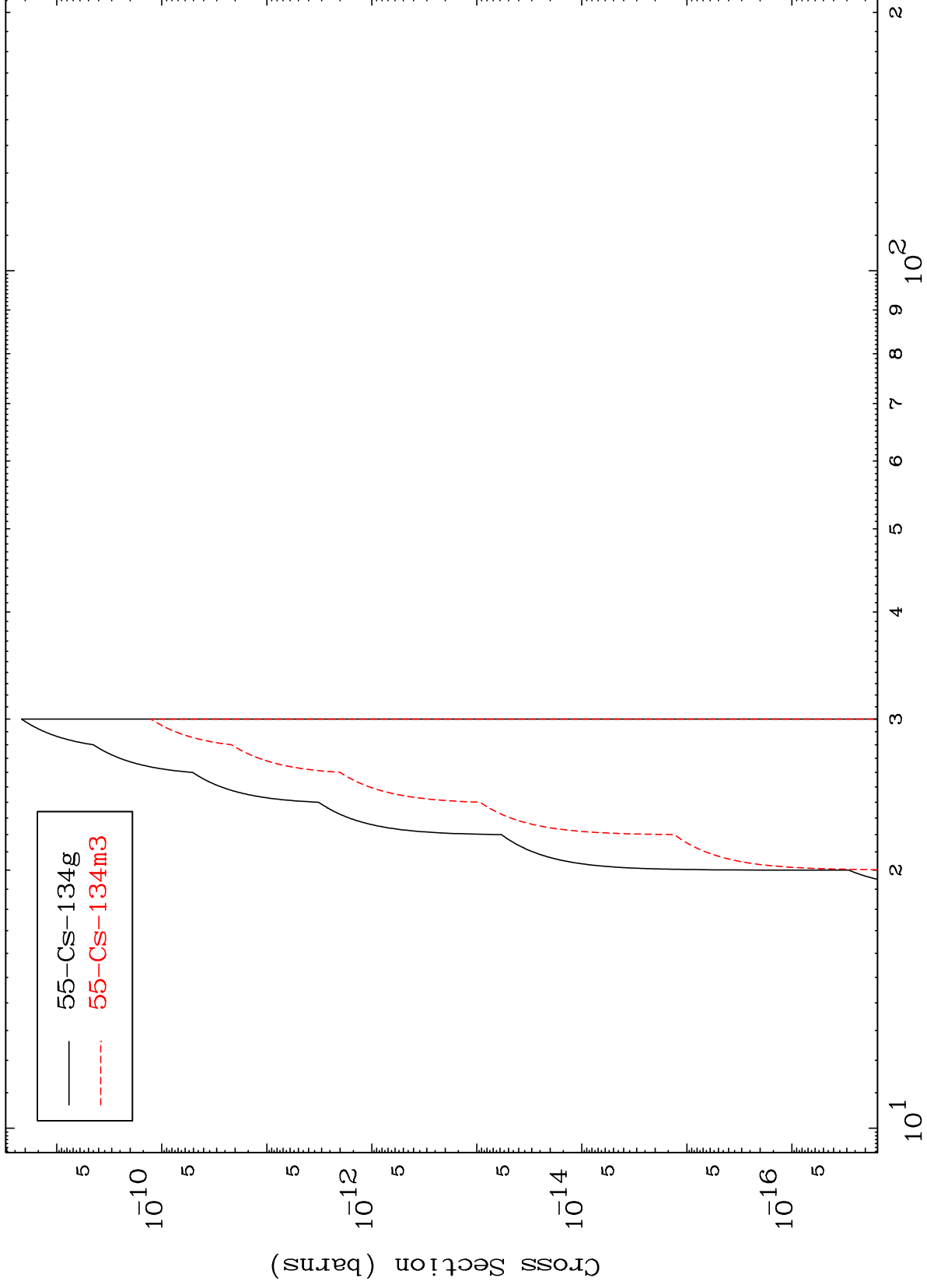
58-Ce-139

MAT 5834

(n,p)  $\alpha$

58-Ce-139

Radionuclide Production Cross Section



Incident Energy (MeV)

58-Ce-139

Radionuclide Production Cross Section

