

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

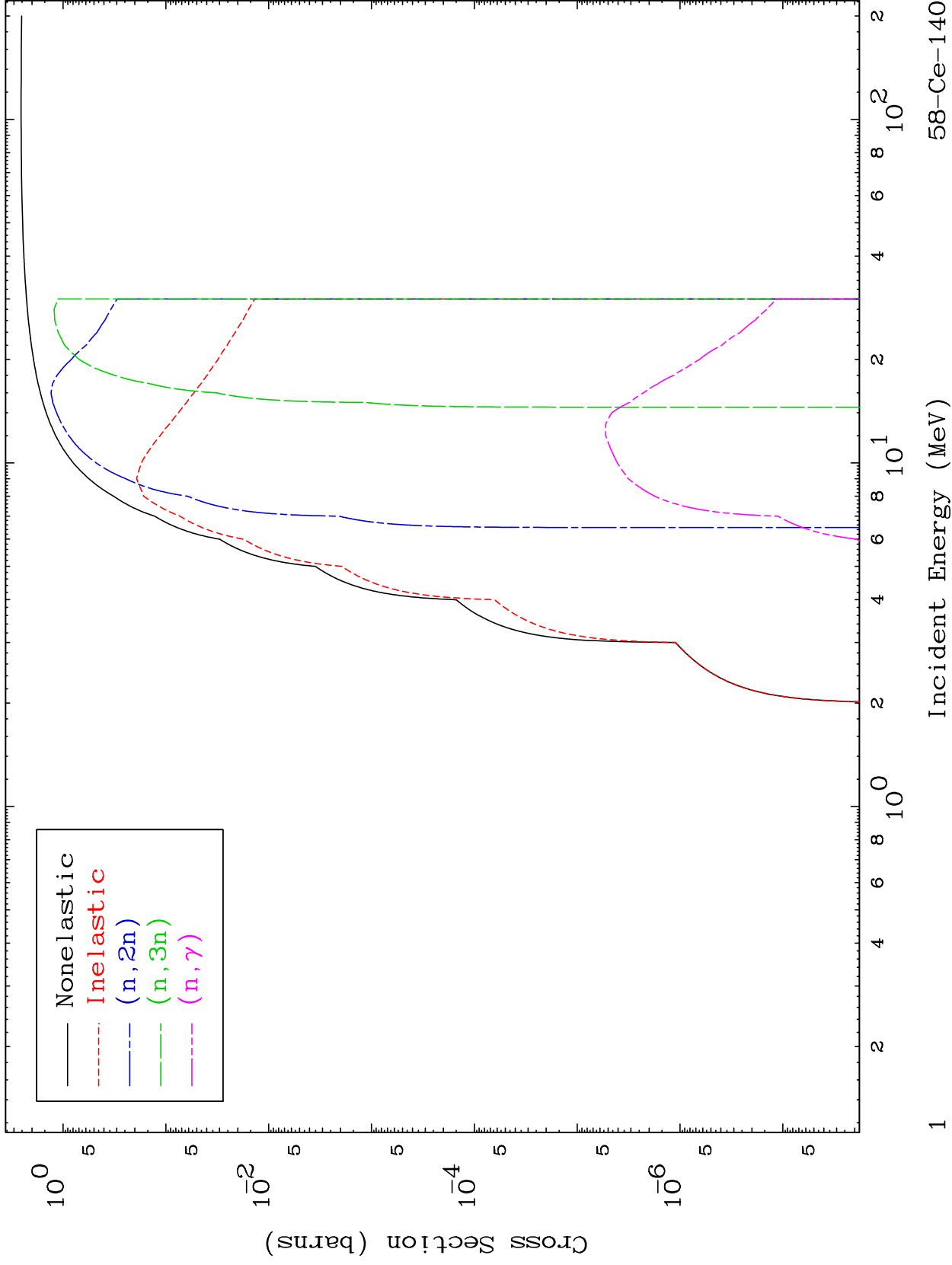
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Web:redcullen1.net/HOMEPAGE.NEW

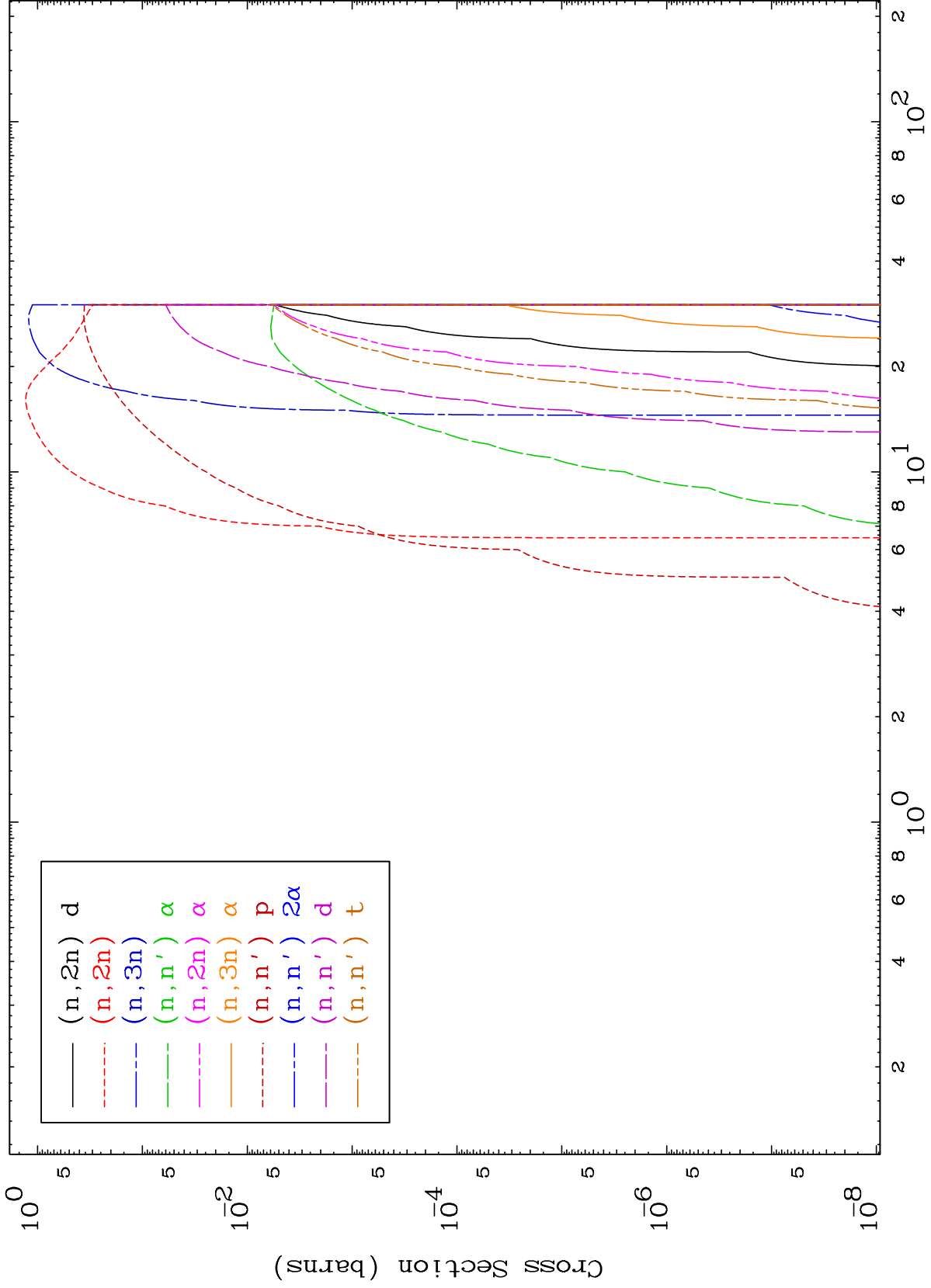
Press Mouse Button to Start

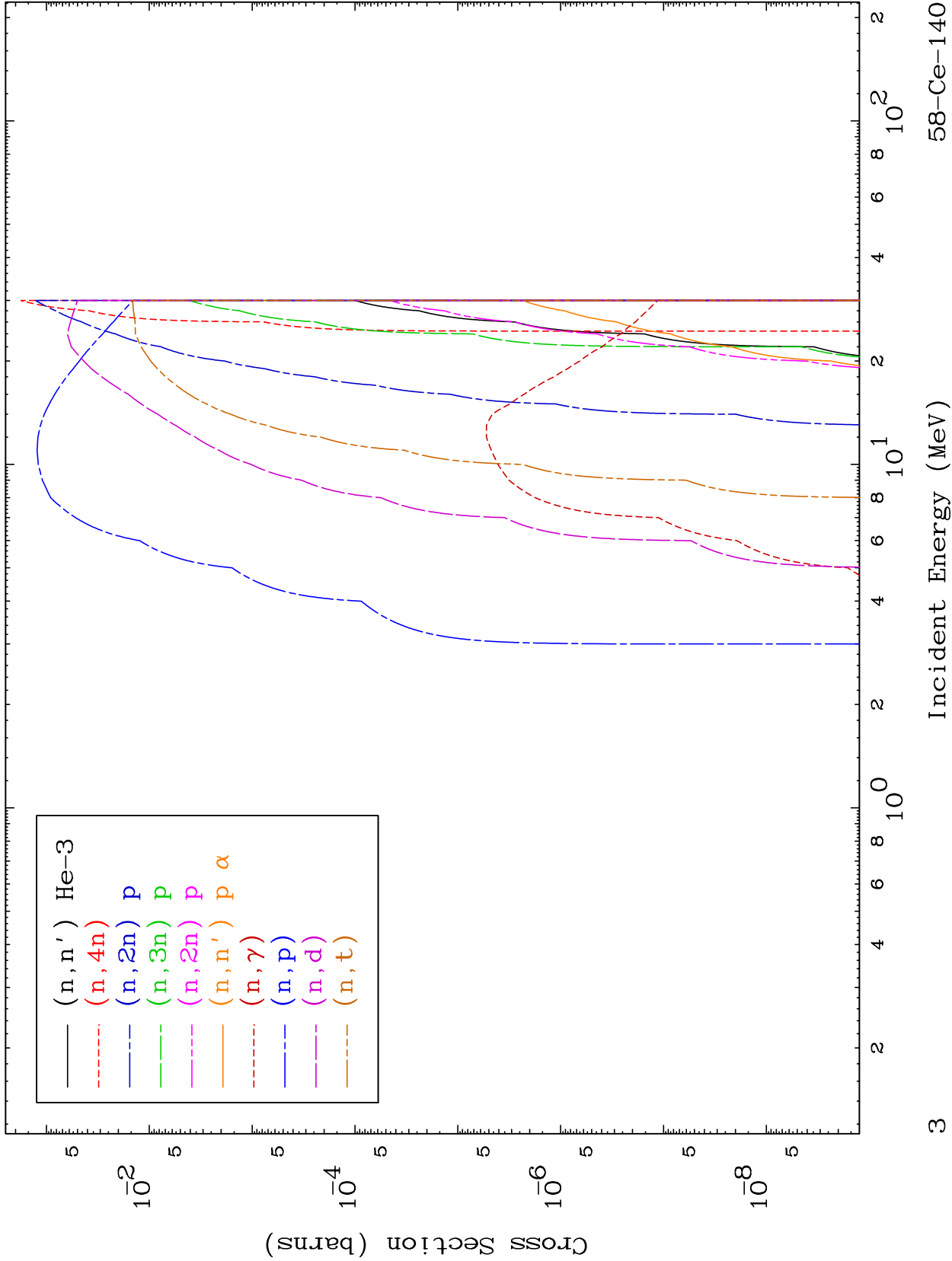


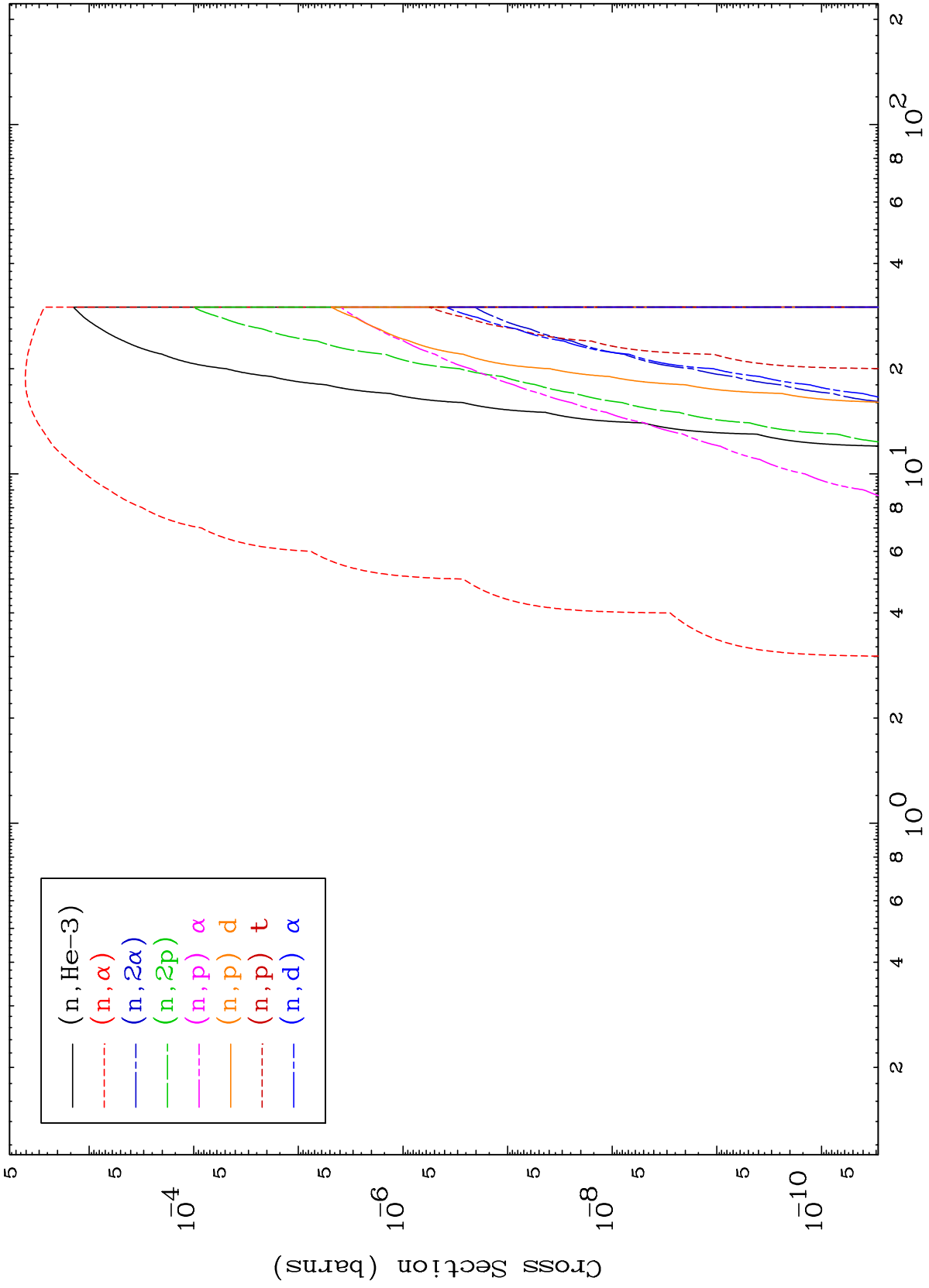
MAT 5837

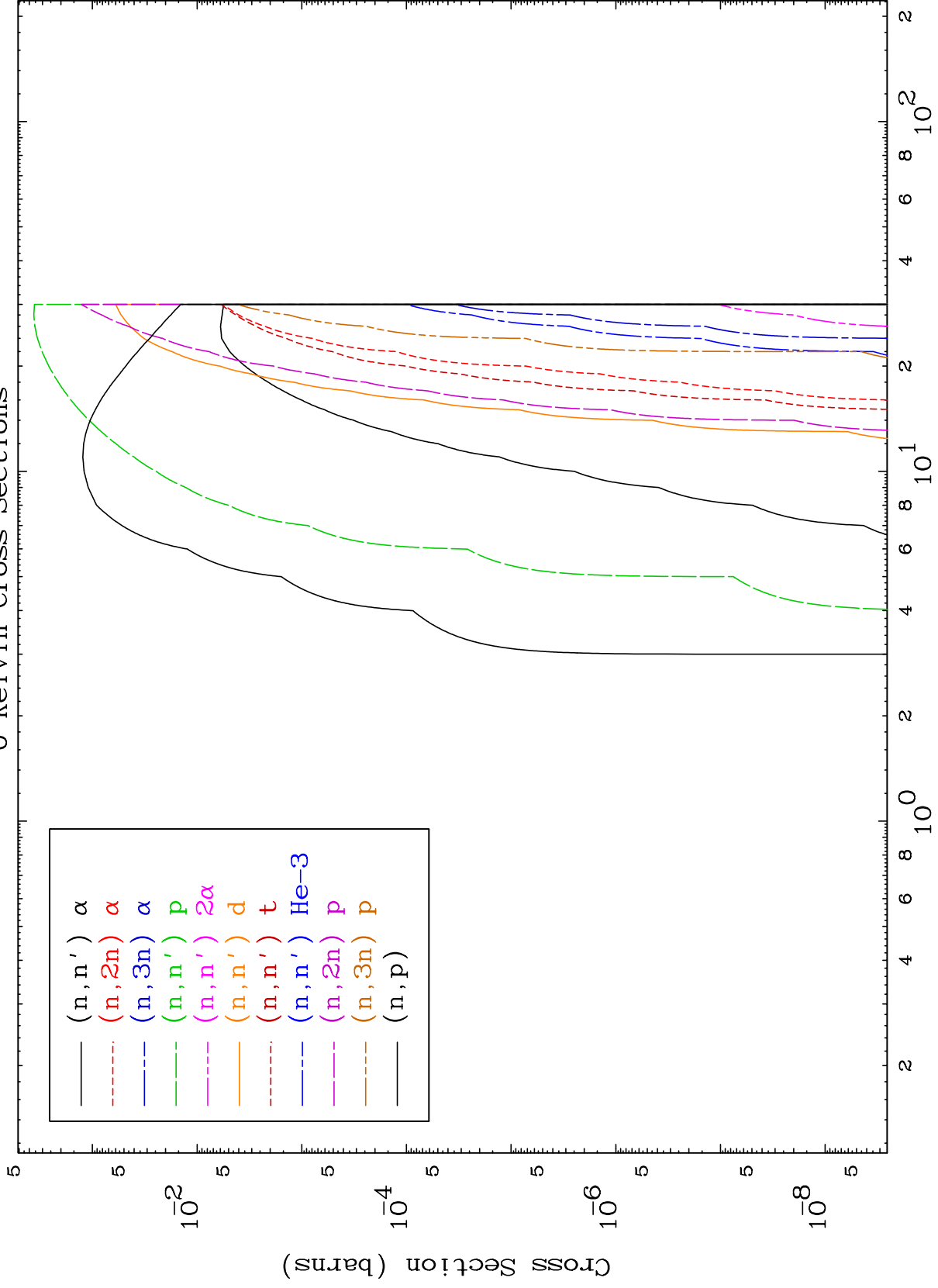
Deuteron Neutron Absorption
0 Kelvin Cross Sections

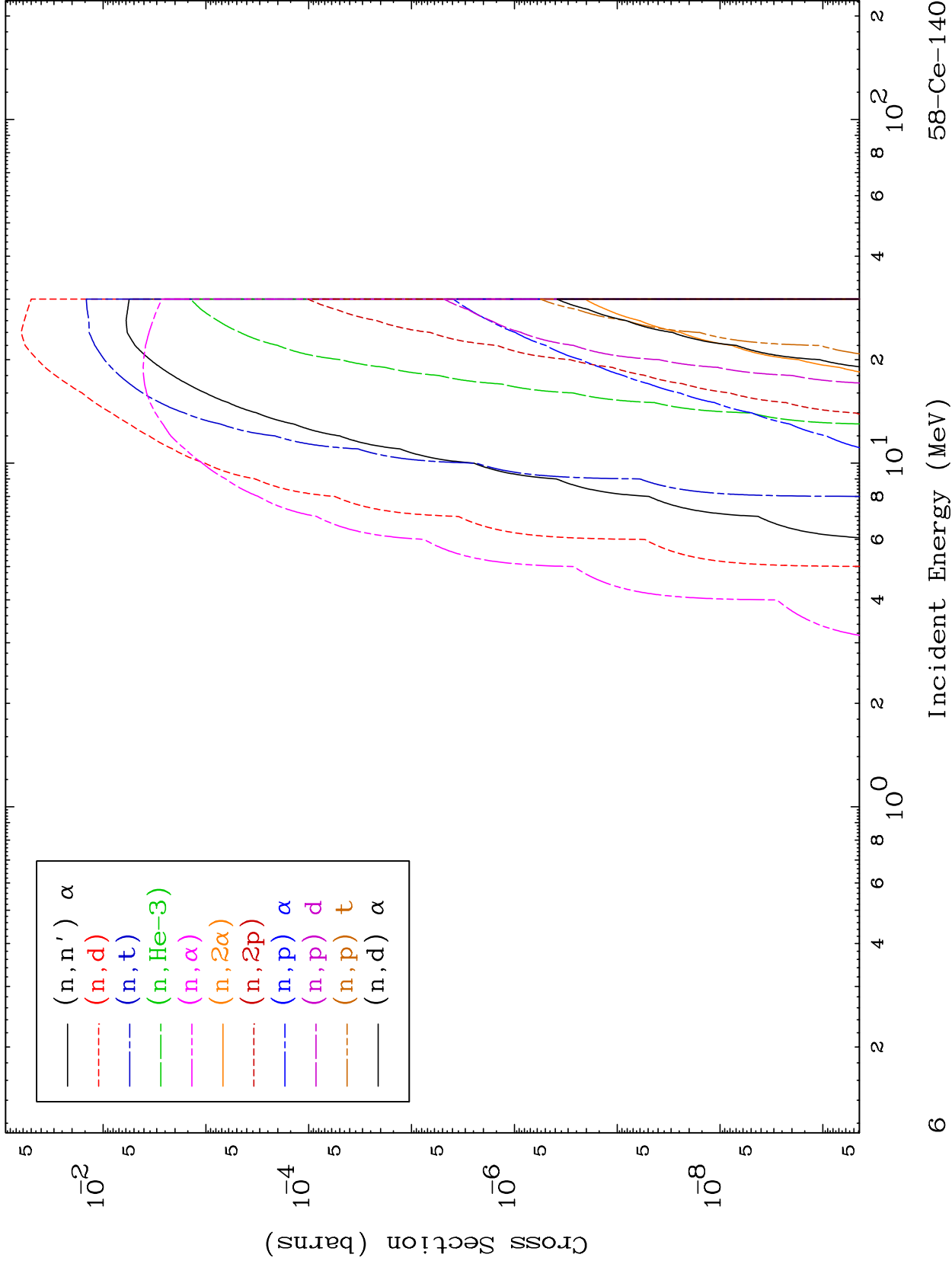
58-Ce-140









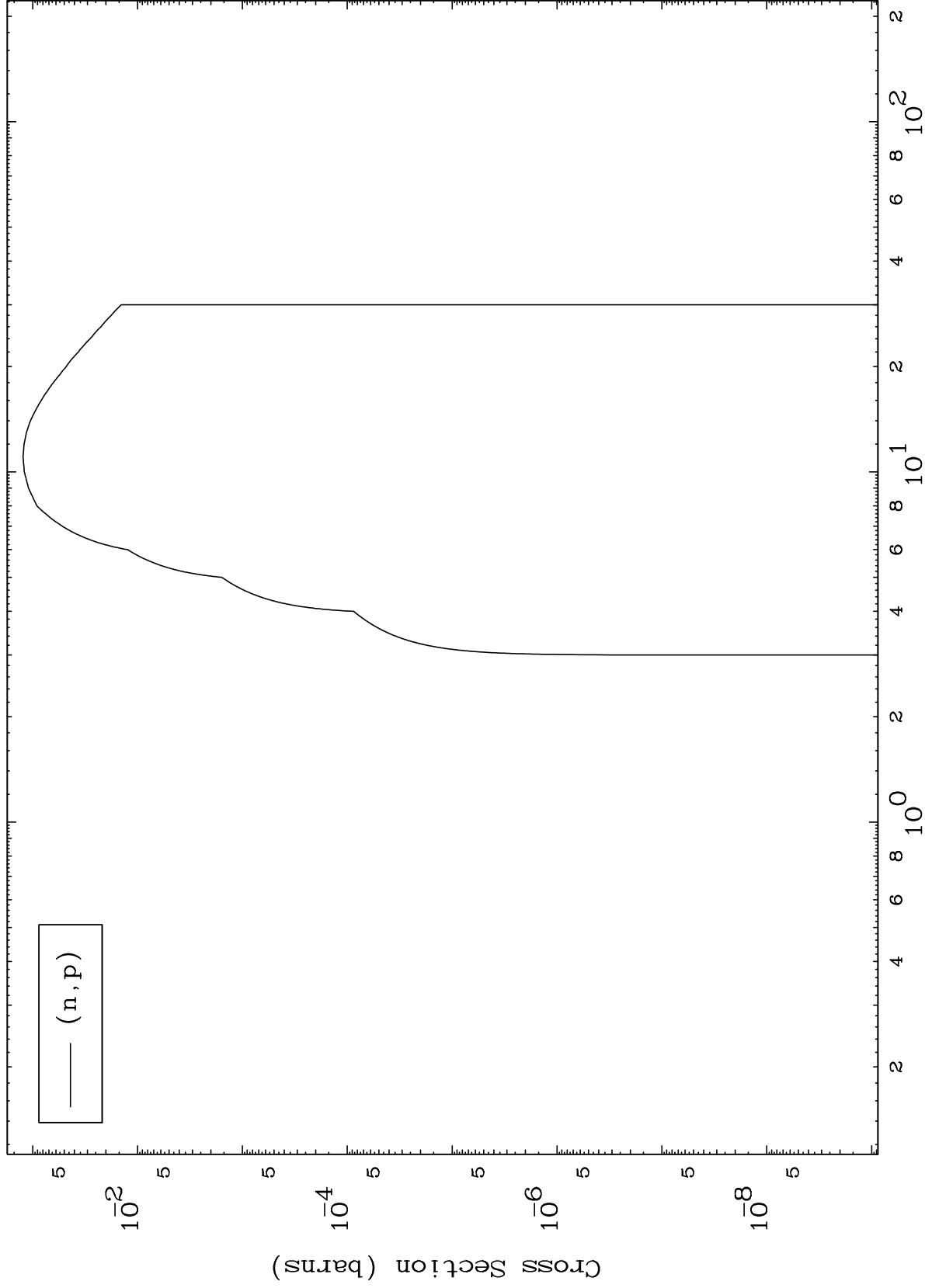


MAT 5837

(d,p) Levels

58-Ce-140

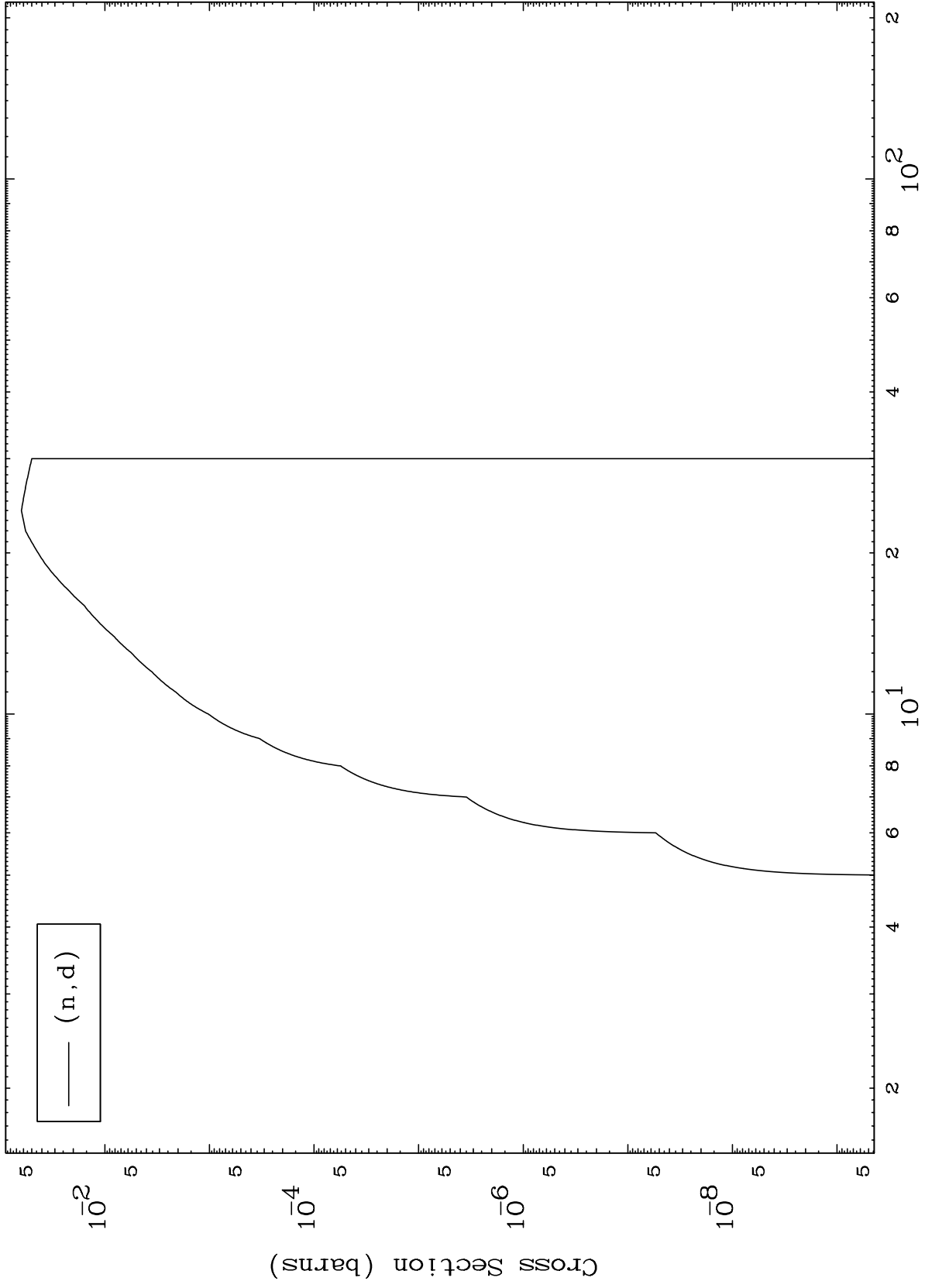
0 Kelvin Cross Sections



MAT 5837

(d,d) Levels
0 Kelvin Cross Sections

58-Ce-140



8

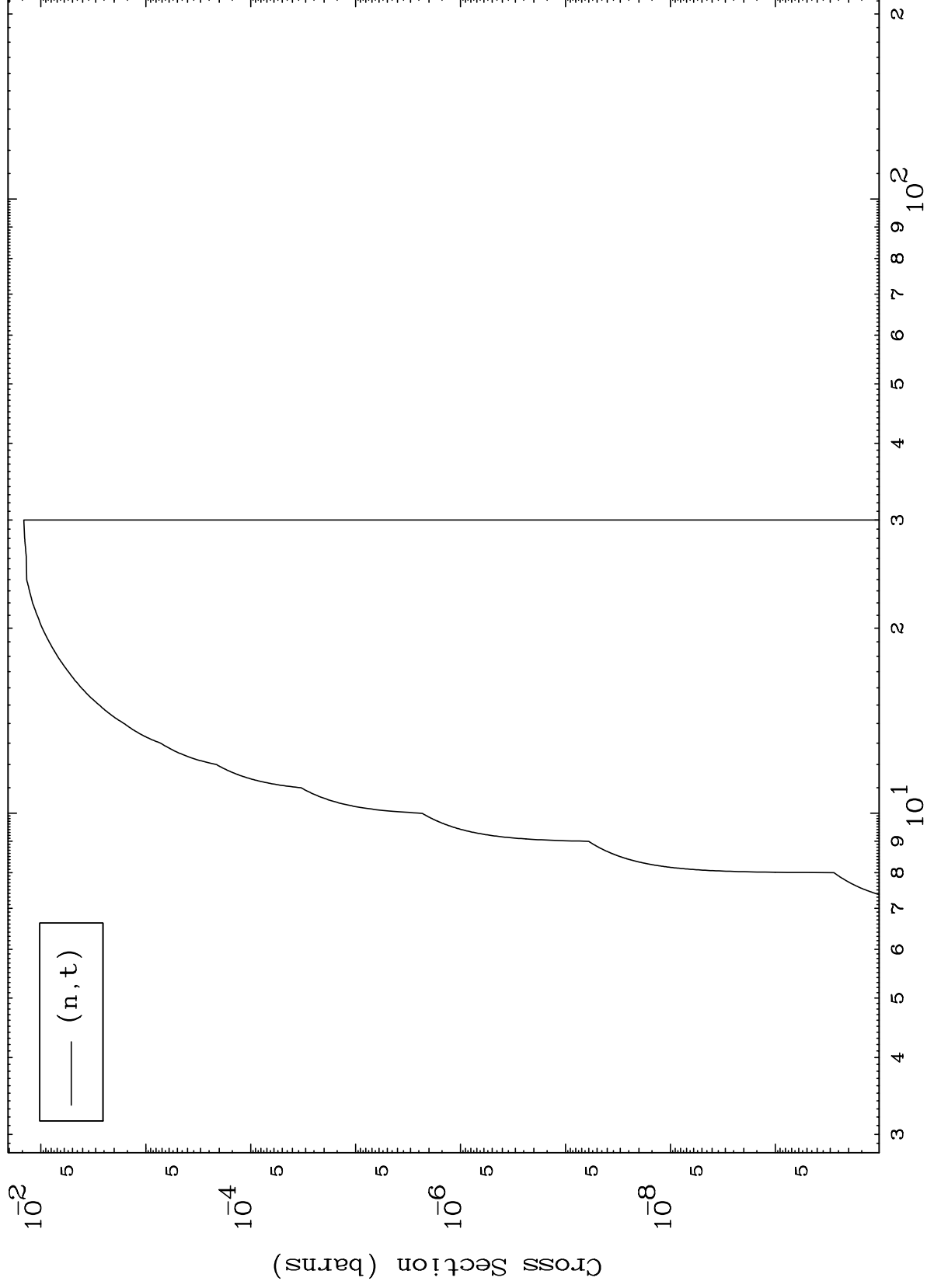
Incident Energy (MeV)

58-Ce-140

MAT 5837

(d,t) Levels
0 Kelvin Cross Sections

58-Ce-140



9

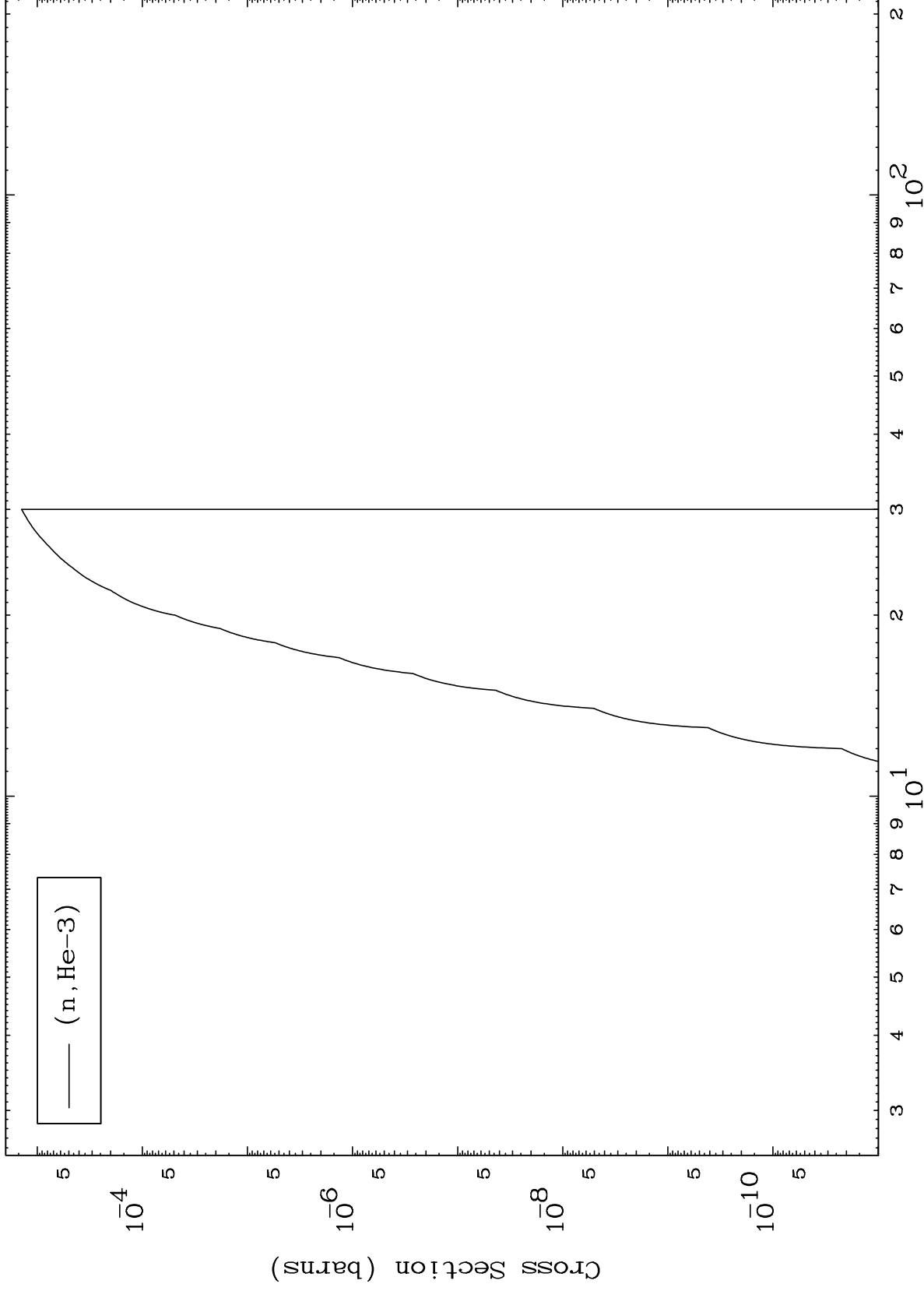
Incident Energy (MeV)

58-Ce-140

MAT 5837

(d,He3) Levels
0 Kelvin Cross Sections

58-Ce-140



10

Incident Energy (MeV)

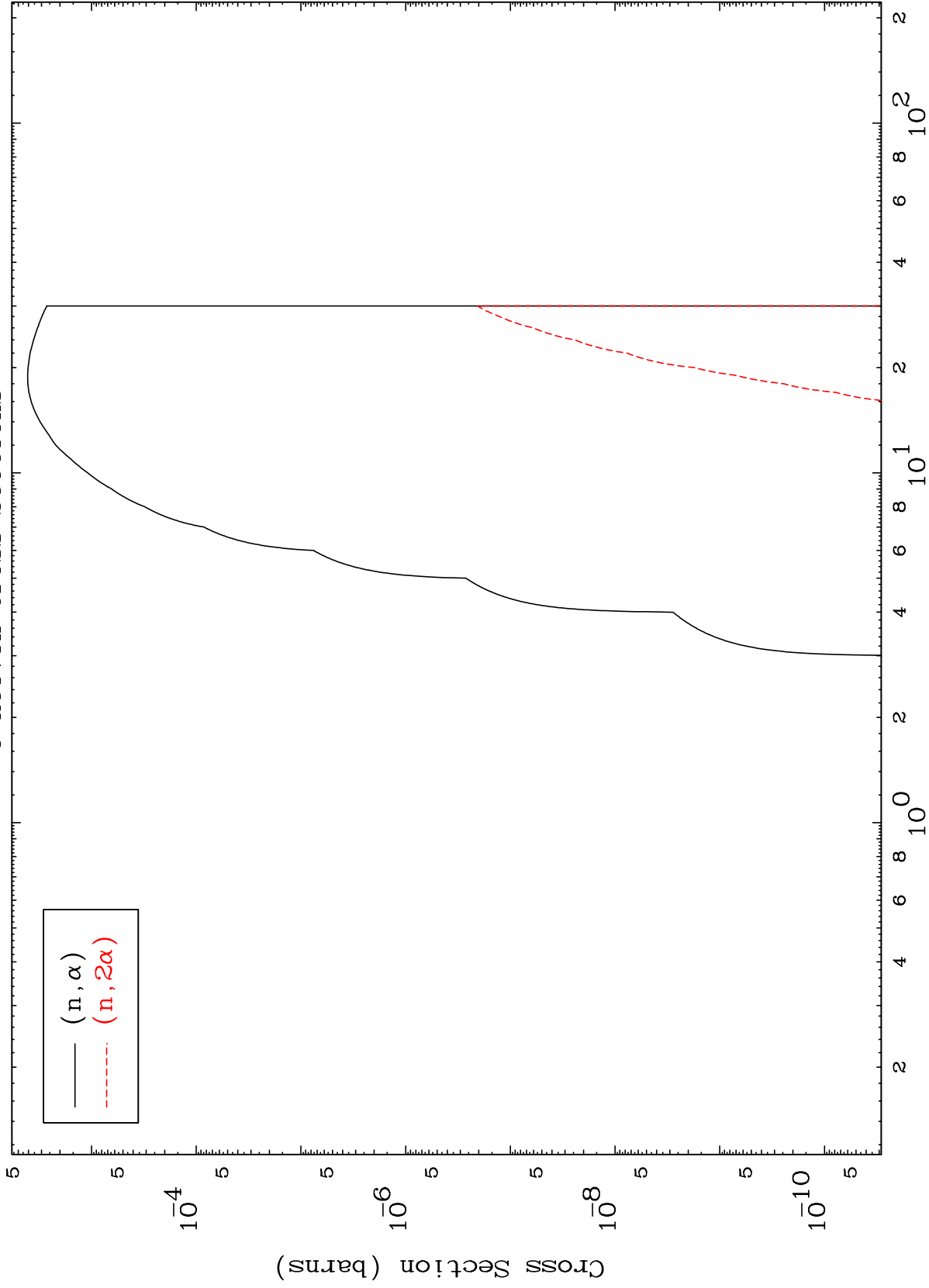
58-Ce-140

MAT 5837

(d, α) Levels

58-Ce-140

0 Kelvin Cross Sections

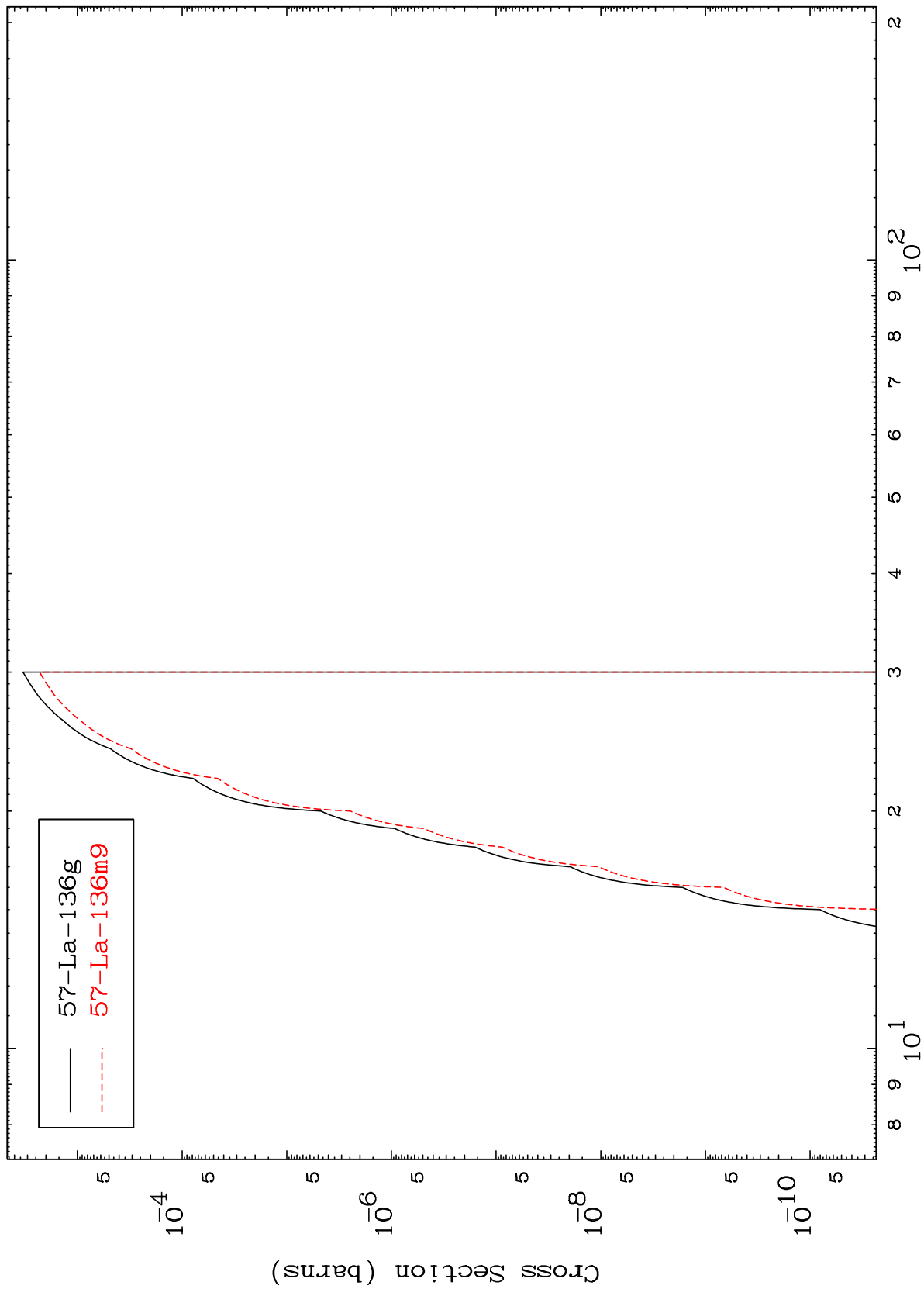


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(n,2n) α

58-Ce-140

Radionuclide Production Cross Section



12

Incident Energy (MeV)

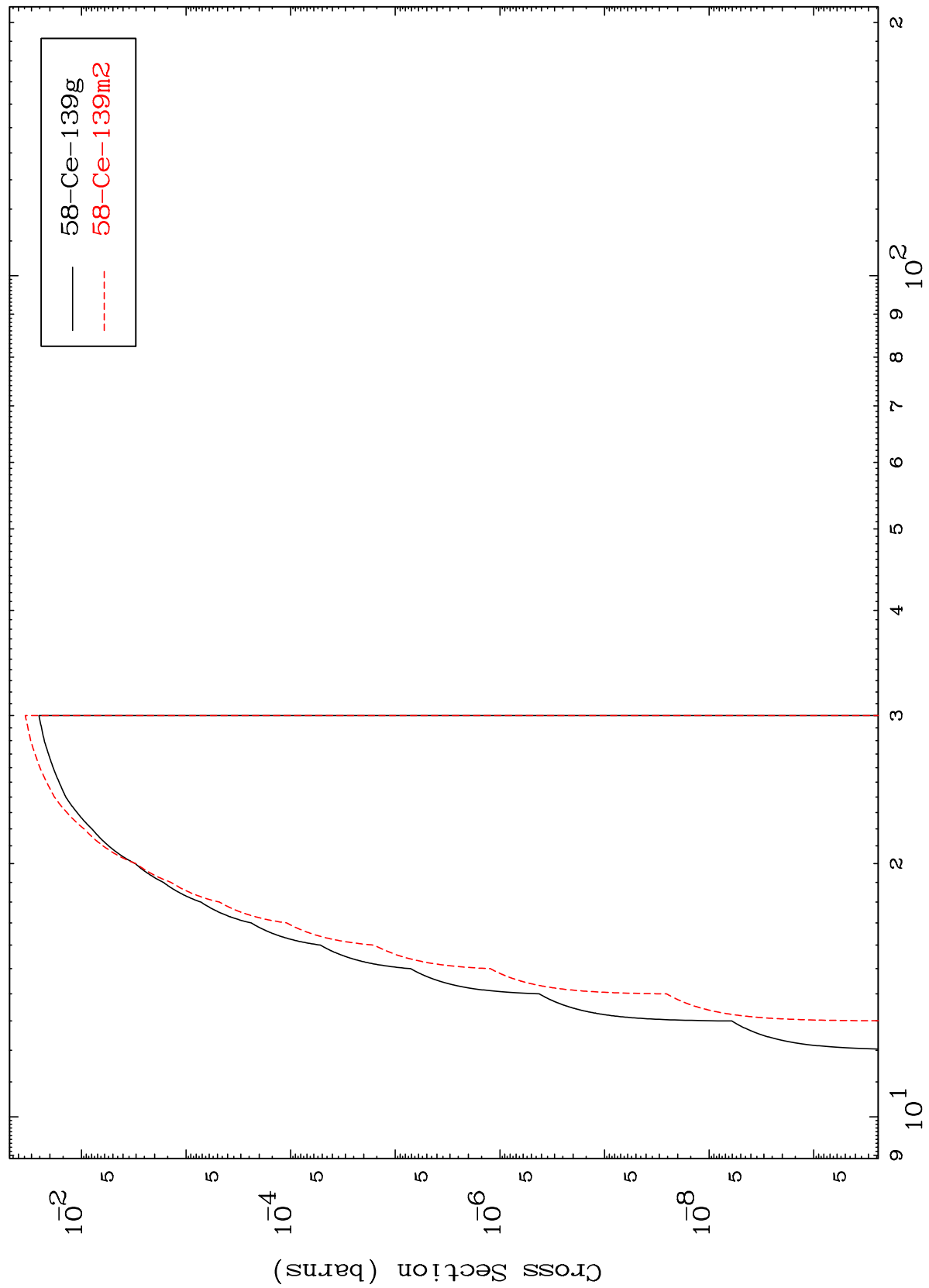
58-Ce-140

MAT 5837

(n,n') d

58-Ce-140

Radionuclide Production Cross Section



13

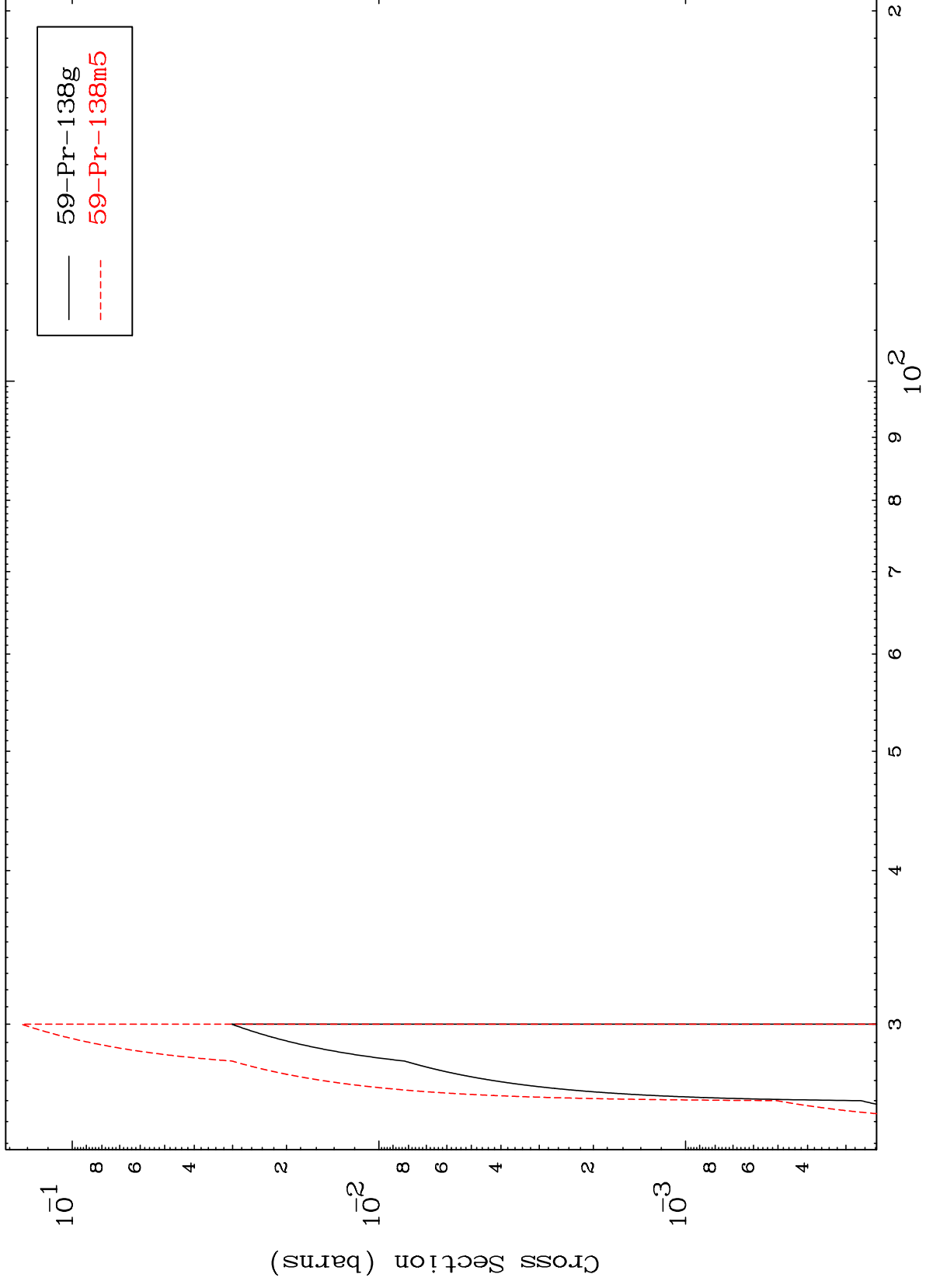
Incident Energy (MeV)

58-Ce-140

MAT 5837

58-Ce-140

(n,4n)
Radionuclide Production Cross Section



59-Pr-138g
59-Pr-138m5

14

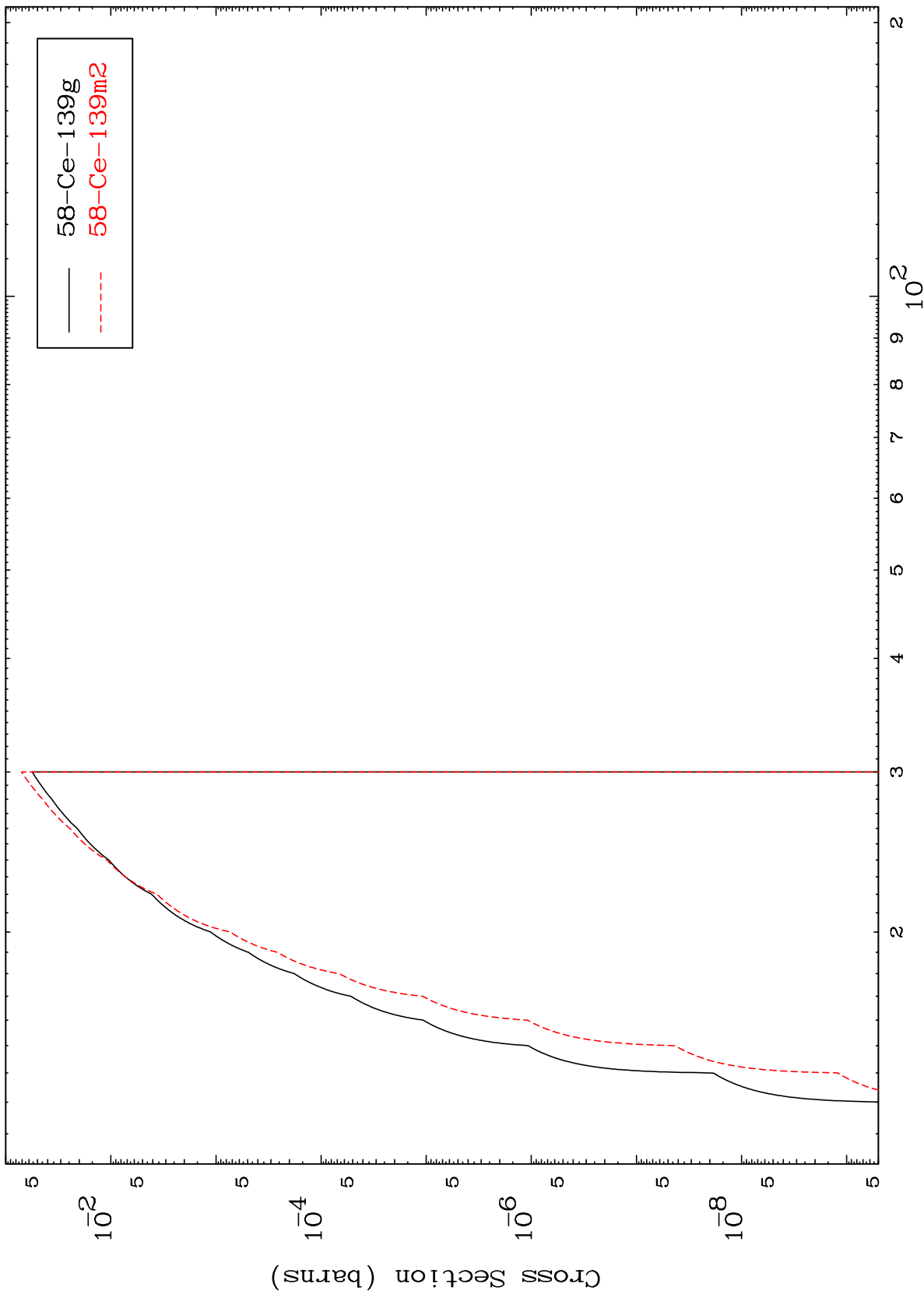
Incident Energy (MeV)

58-Ce-140

MAT 5837

58-Ce-140

(n,2n) p
Radionuclide Production Cross Section



58-Ce-140

Incident Energy (MeV)

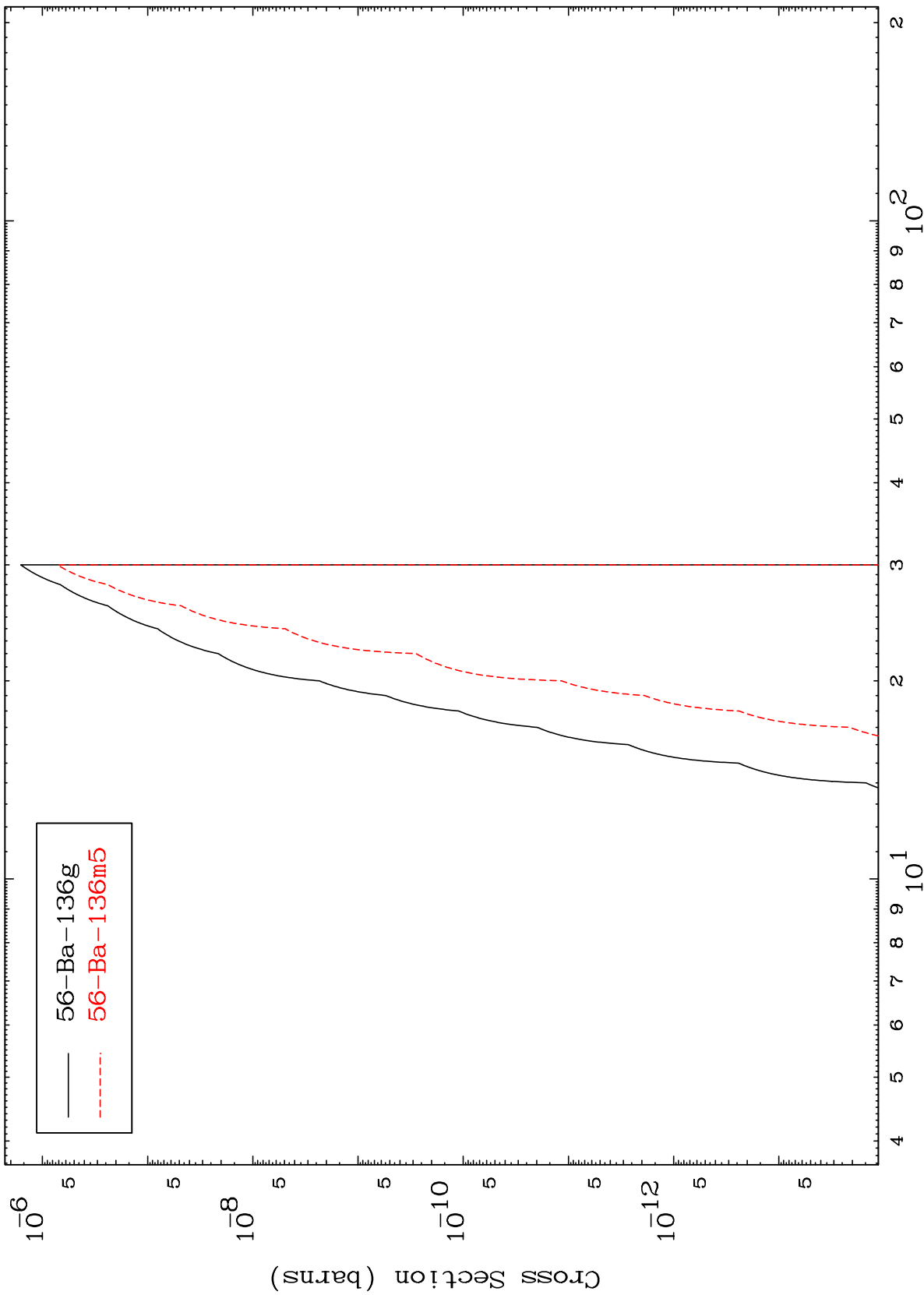
15

MAT 5837

(n,n') p α

58-Ce-140

Radionuclide Production Cross Section



16

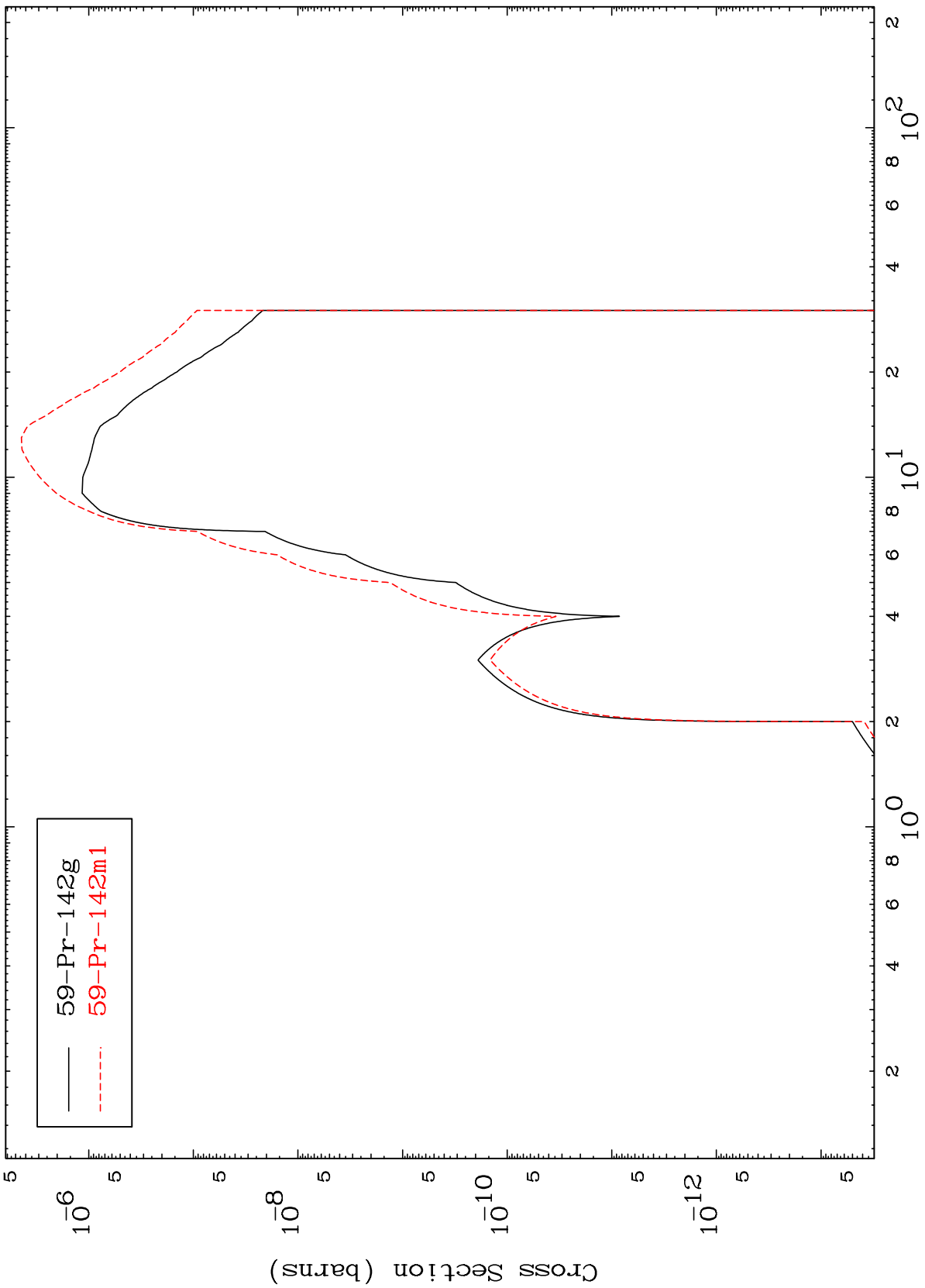
Incident Energy (MeV)

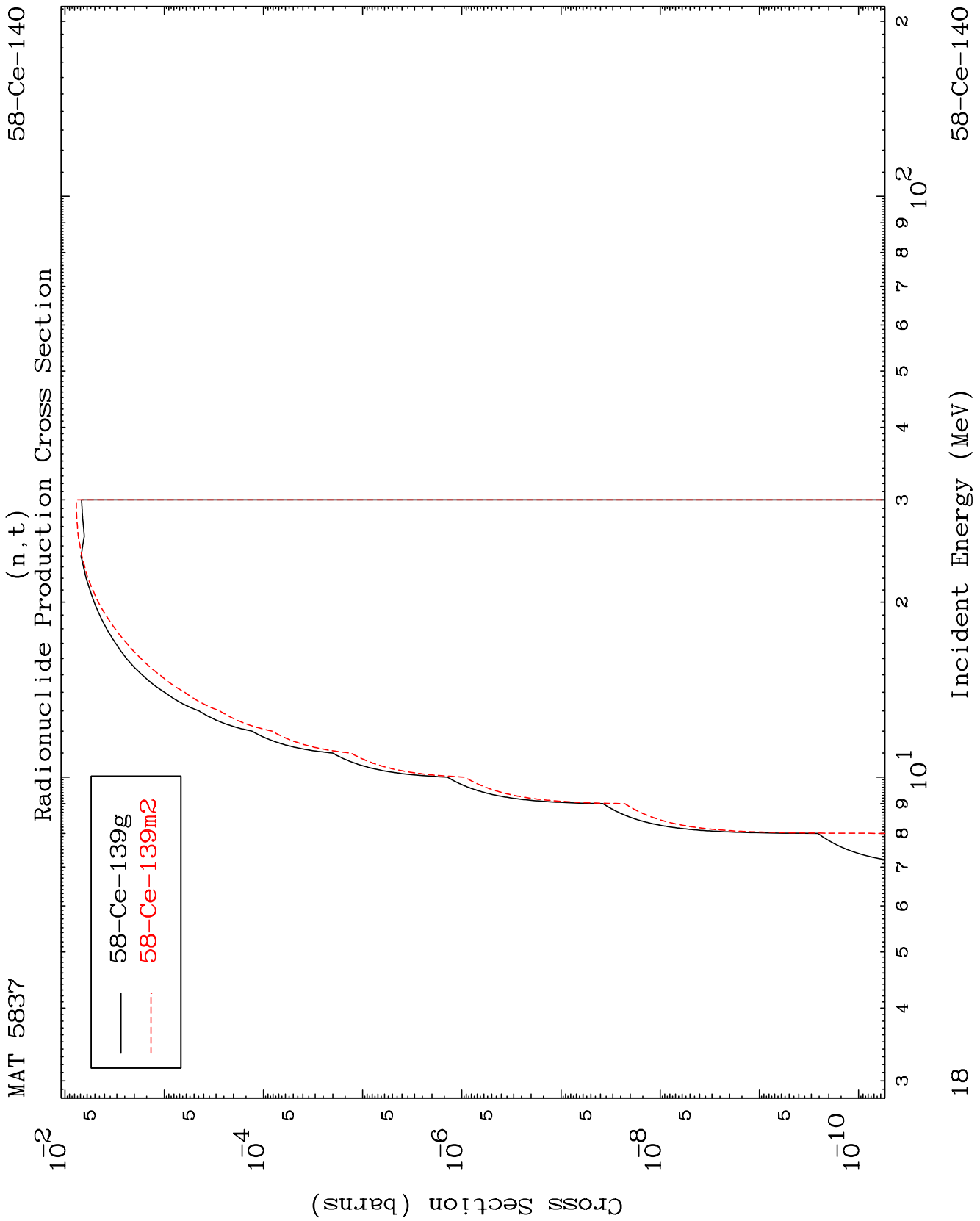
58-Ce-140

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58-Ce-140

(n, γ)
Radionuclide Production Cross Section



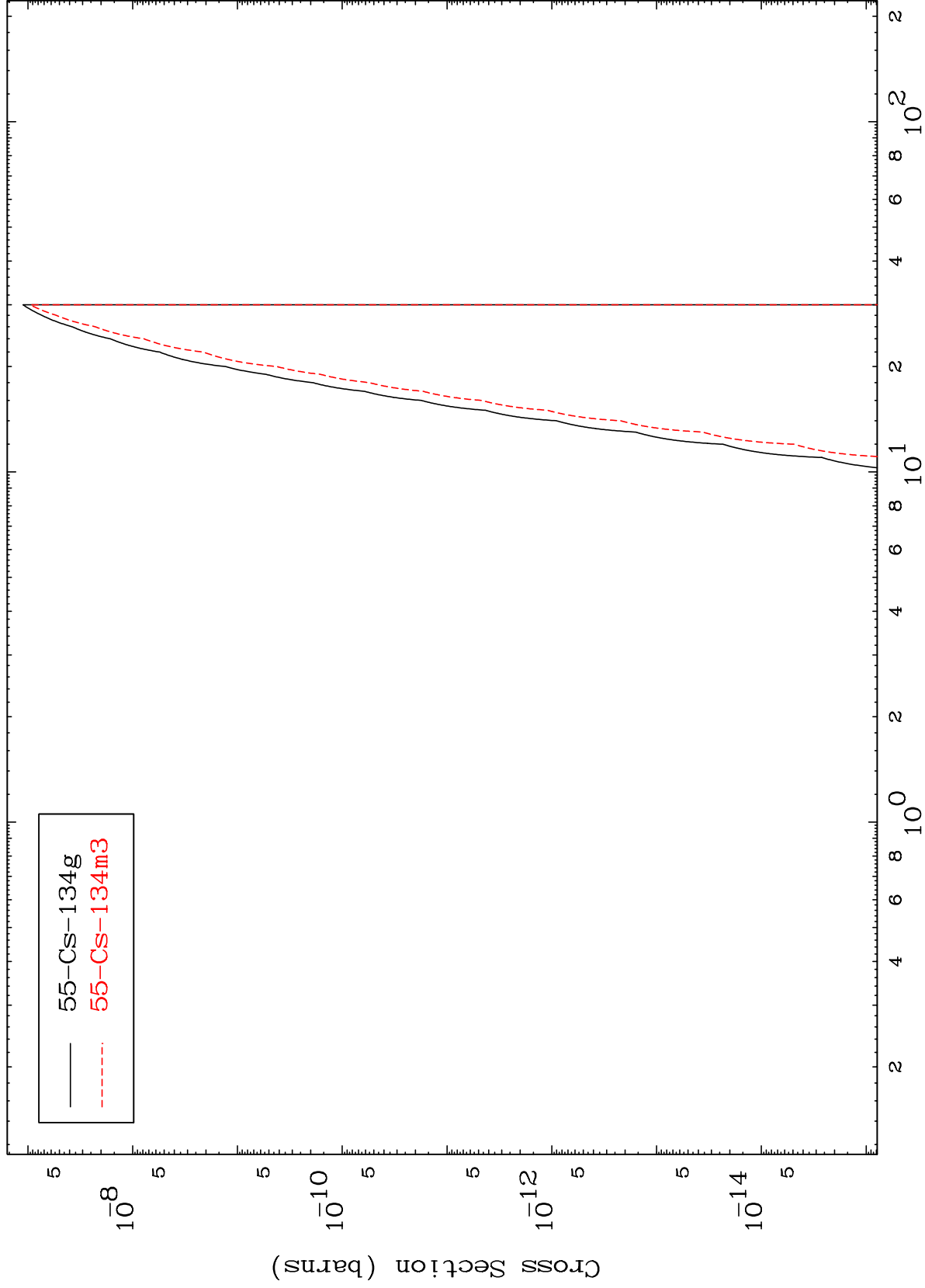


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(n,2α)

58-Ce-140

Radionuclide Production Cross Section



19

Incident Energy (MeV)

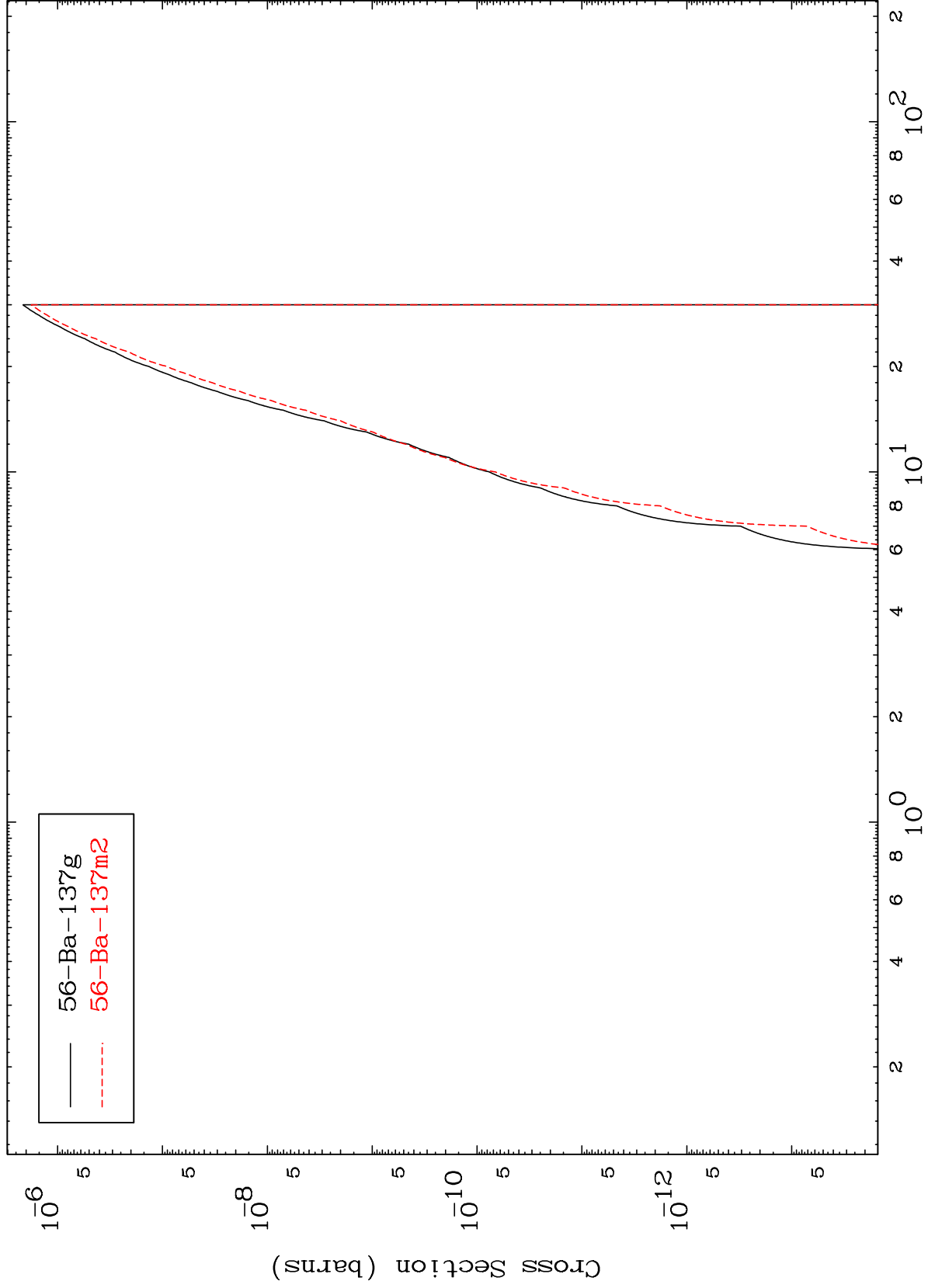
58-Ce-140

MAT 5837

(n,p) α

58-Ce-140

Radionuclide Production Cross Section



20

Incident Energy (MeV)

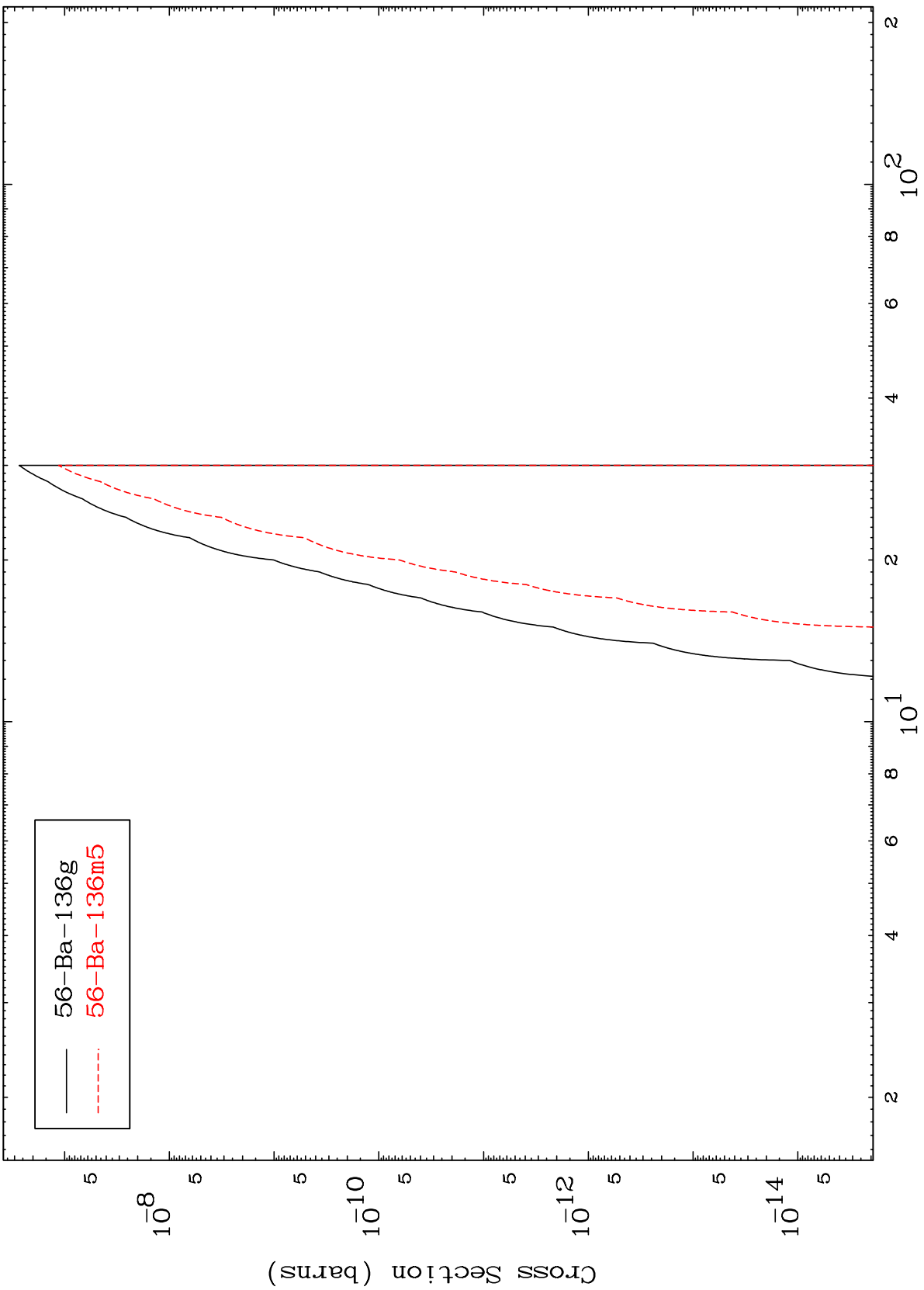
58-Ce-140

MAT 5837

(n,d) α

58-Ce-140

Radionuclide Production Cross Section



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