

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

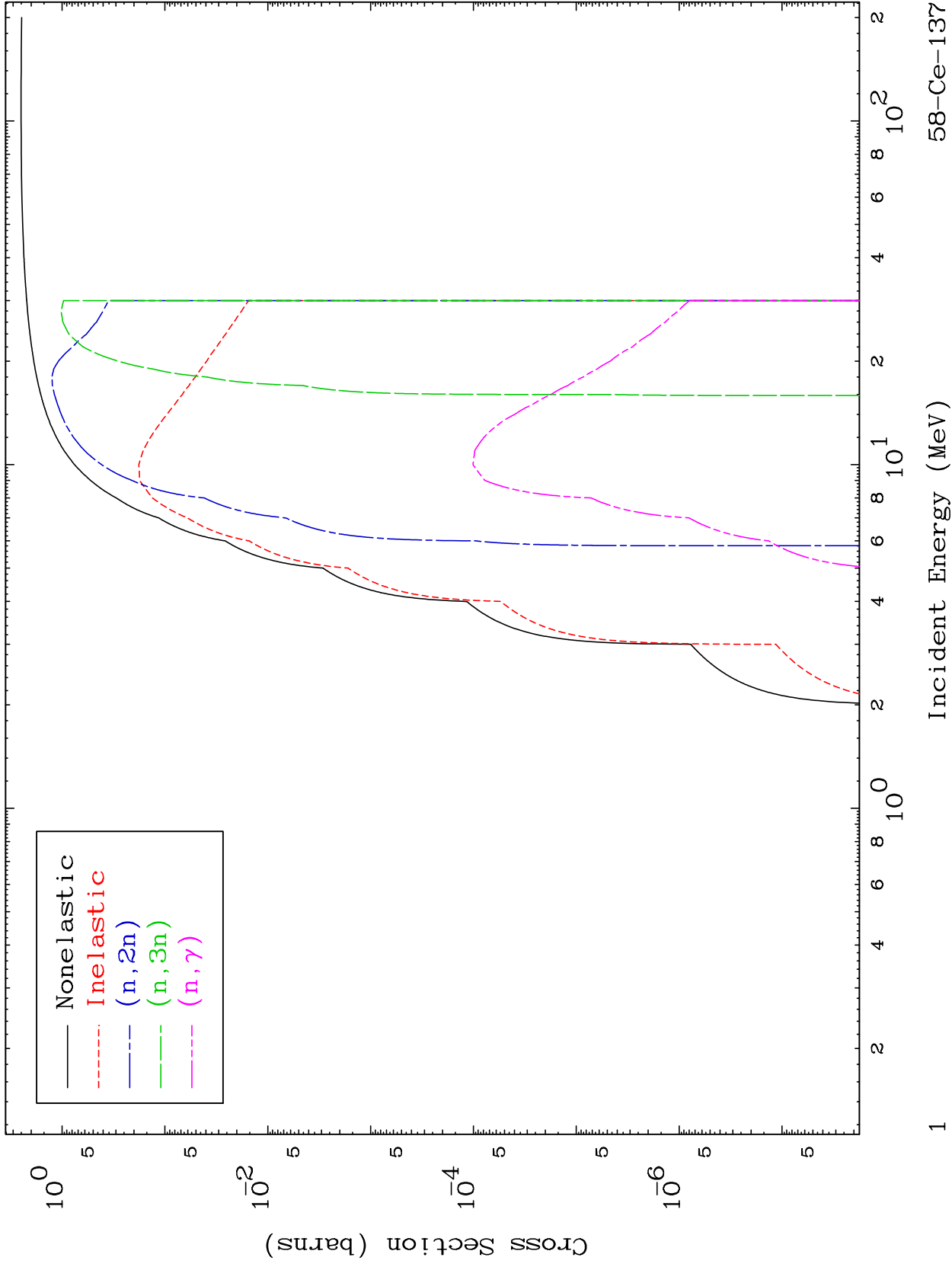
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E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

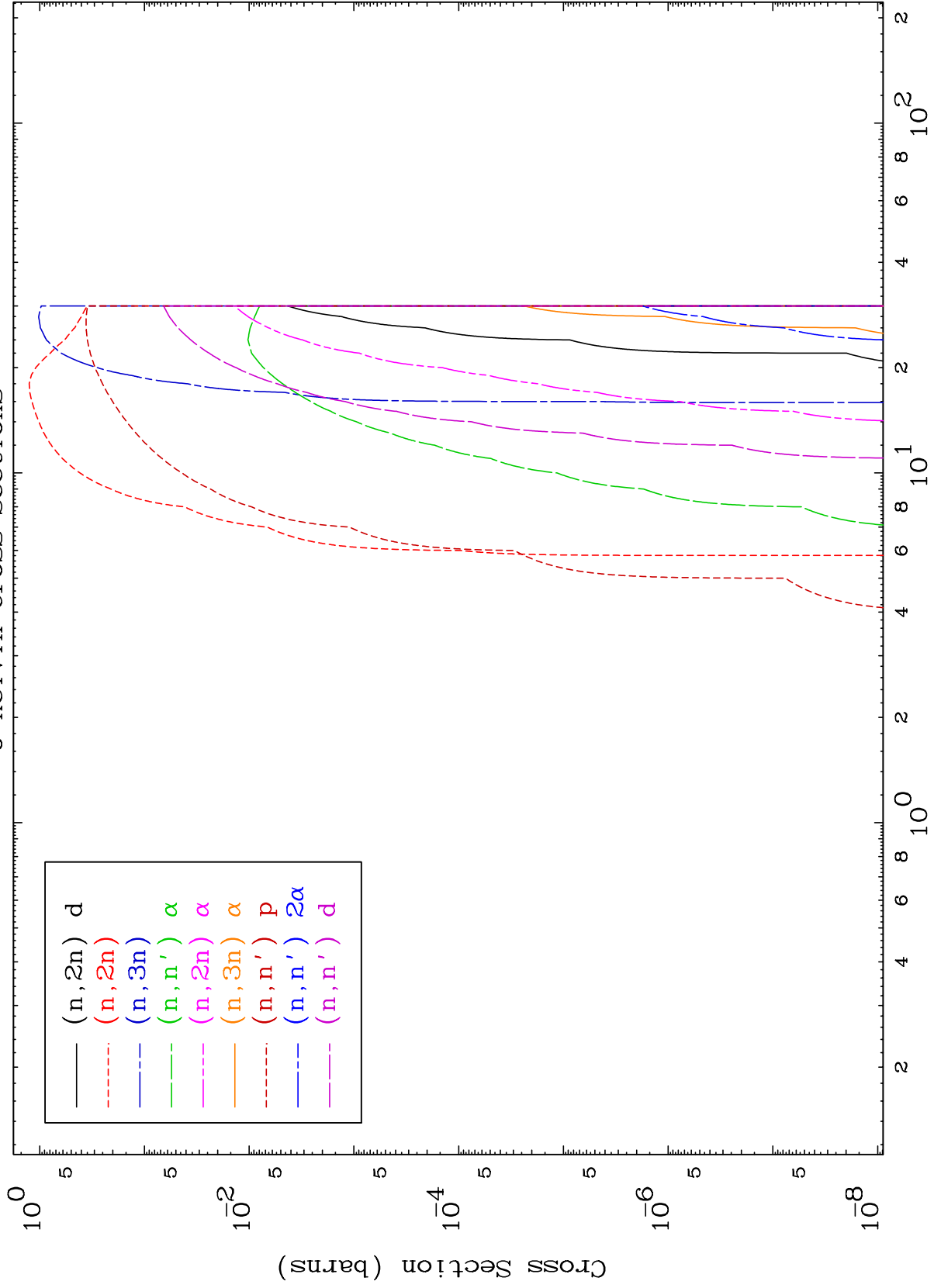
Press Mouse Button to Start



MAT 5828

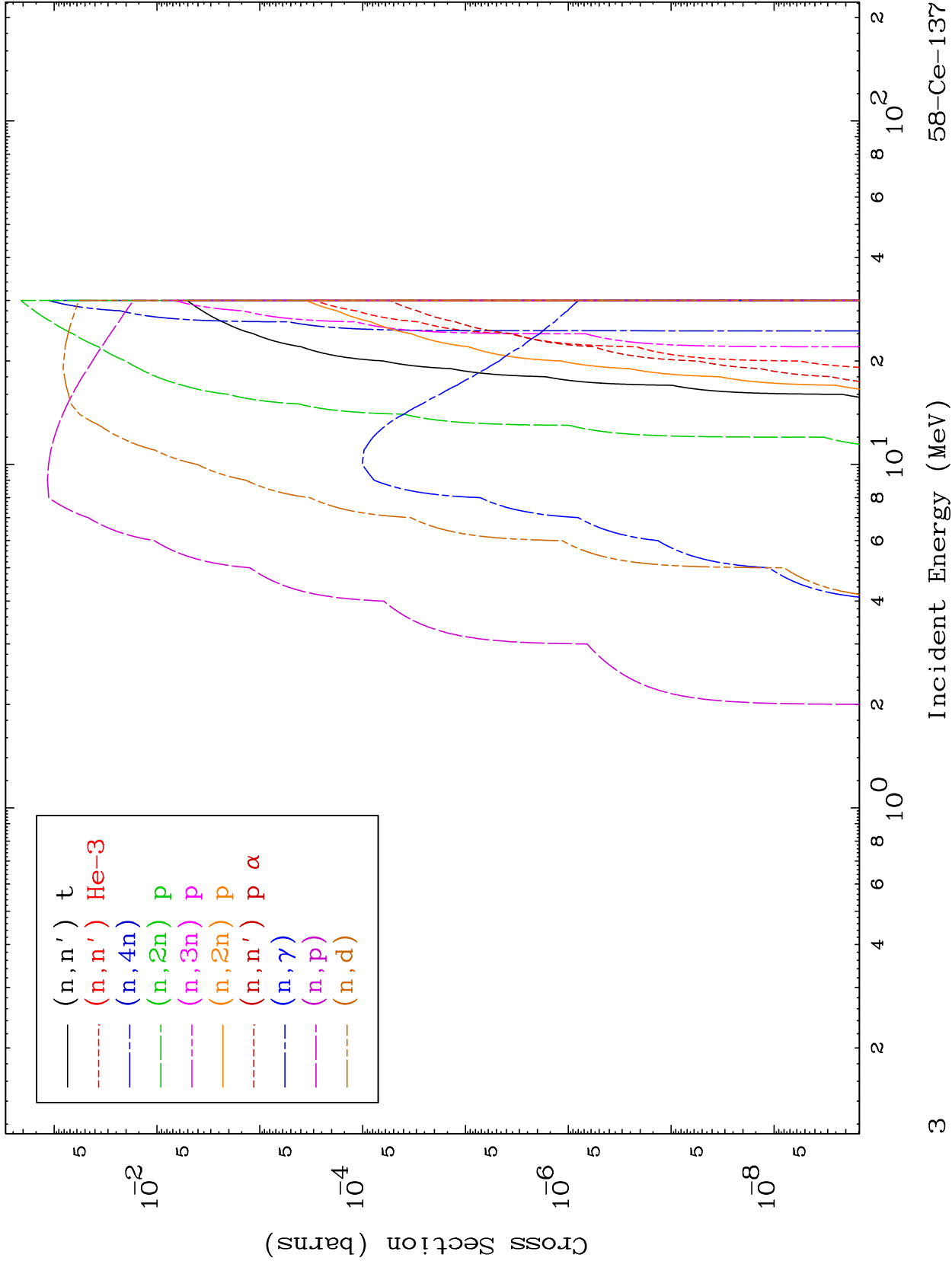
Deuteron Neutron Absorption
0 Kelvin Cross Sections

58-Ce-137



58-Ce-137

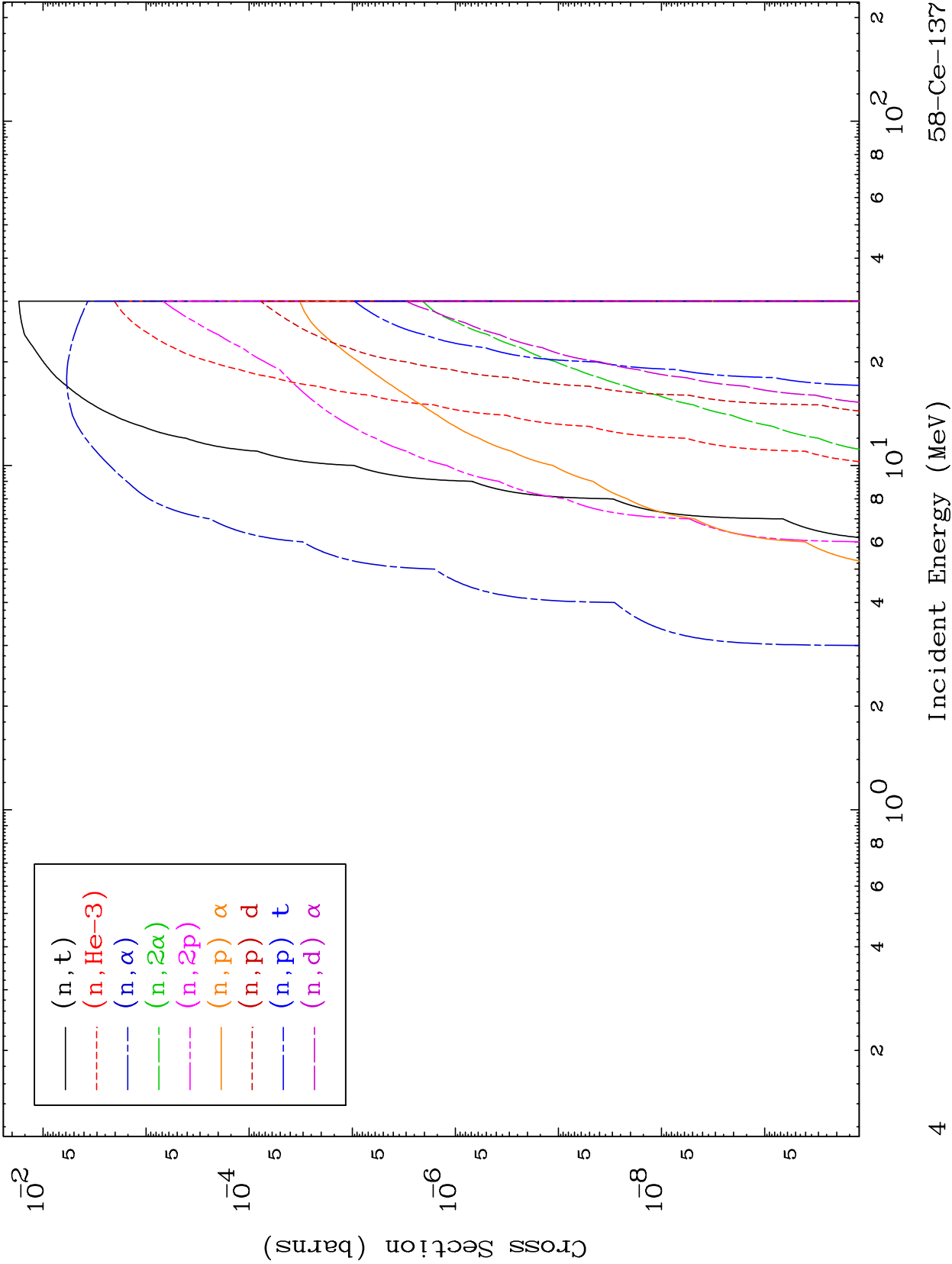
Incident Energy (MeV)



MAT 5828

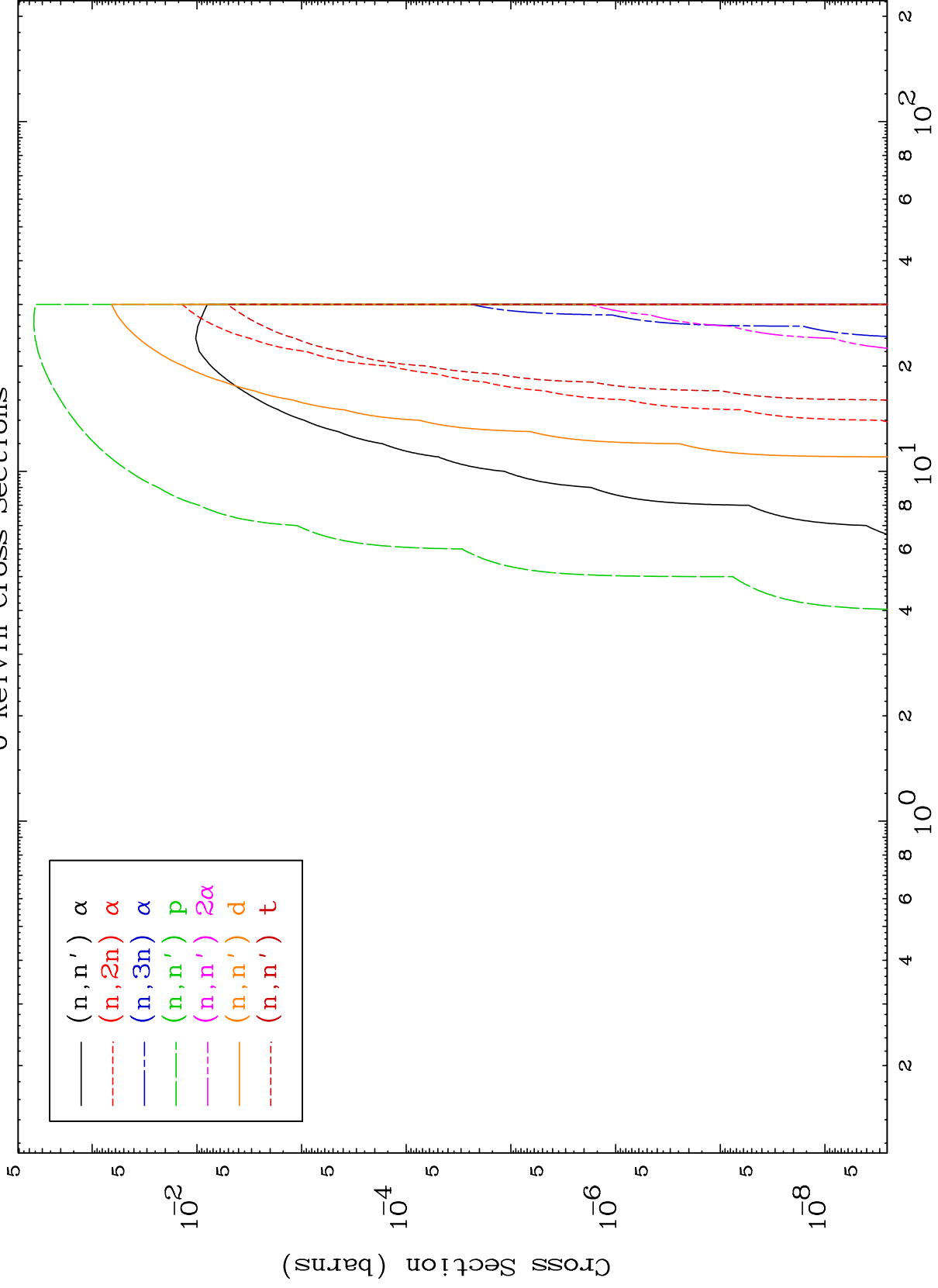
Deuteron Neutron Absorption
0 Kelvin Cross Sections

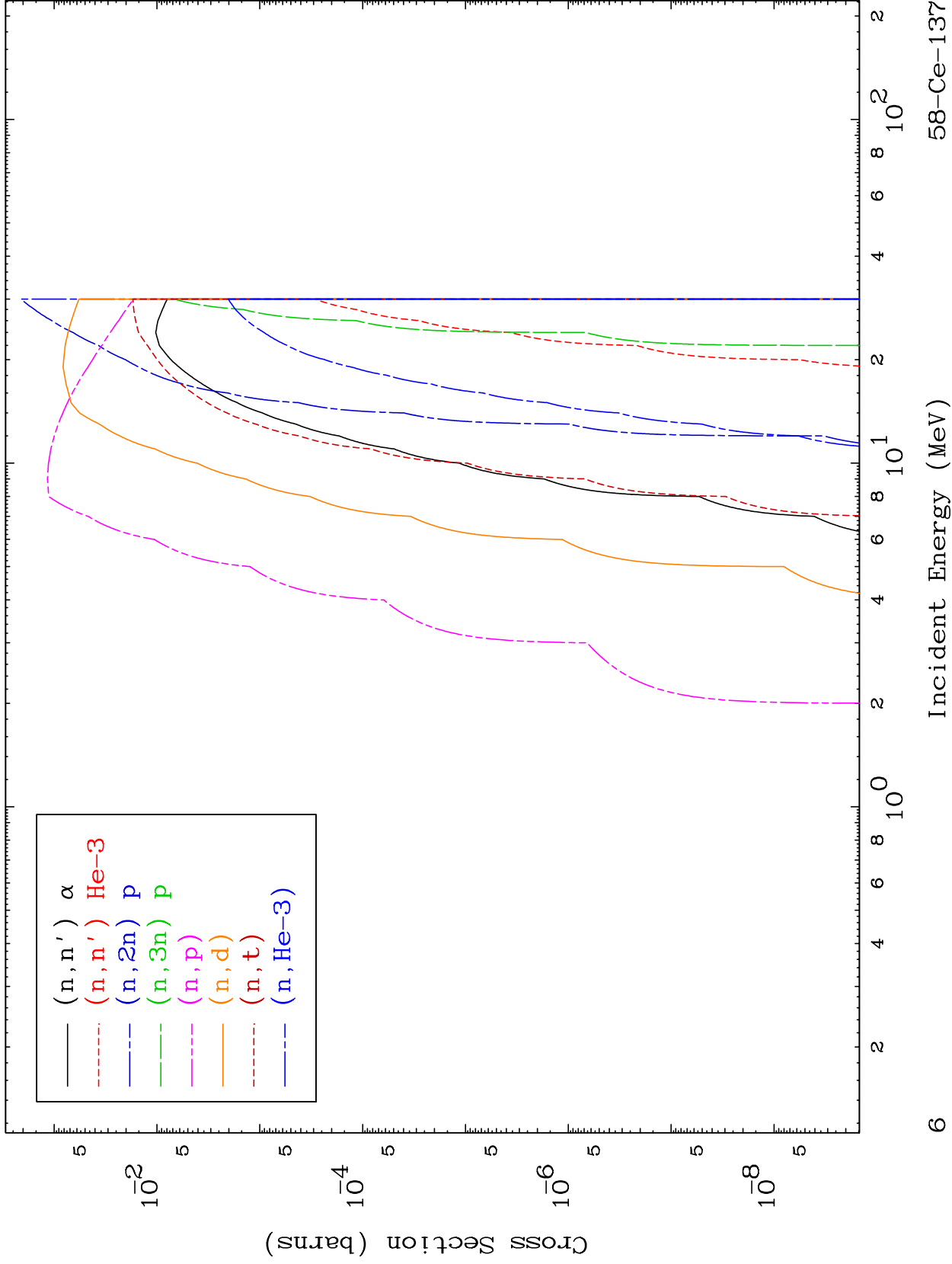
58-Ce-137

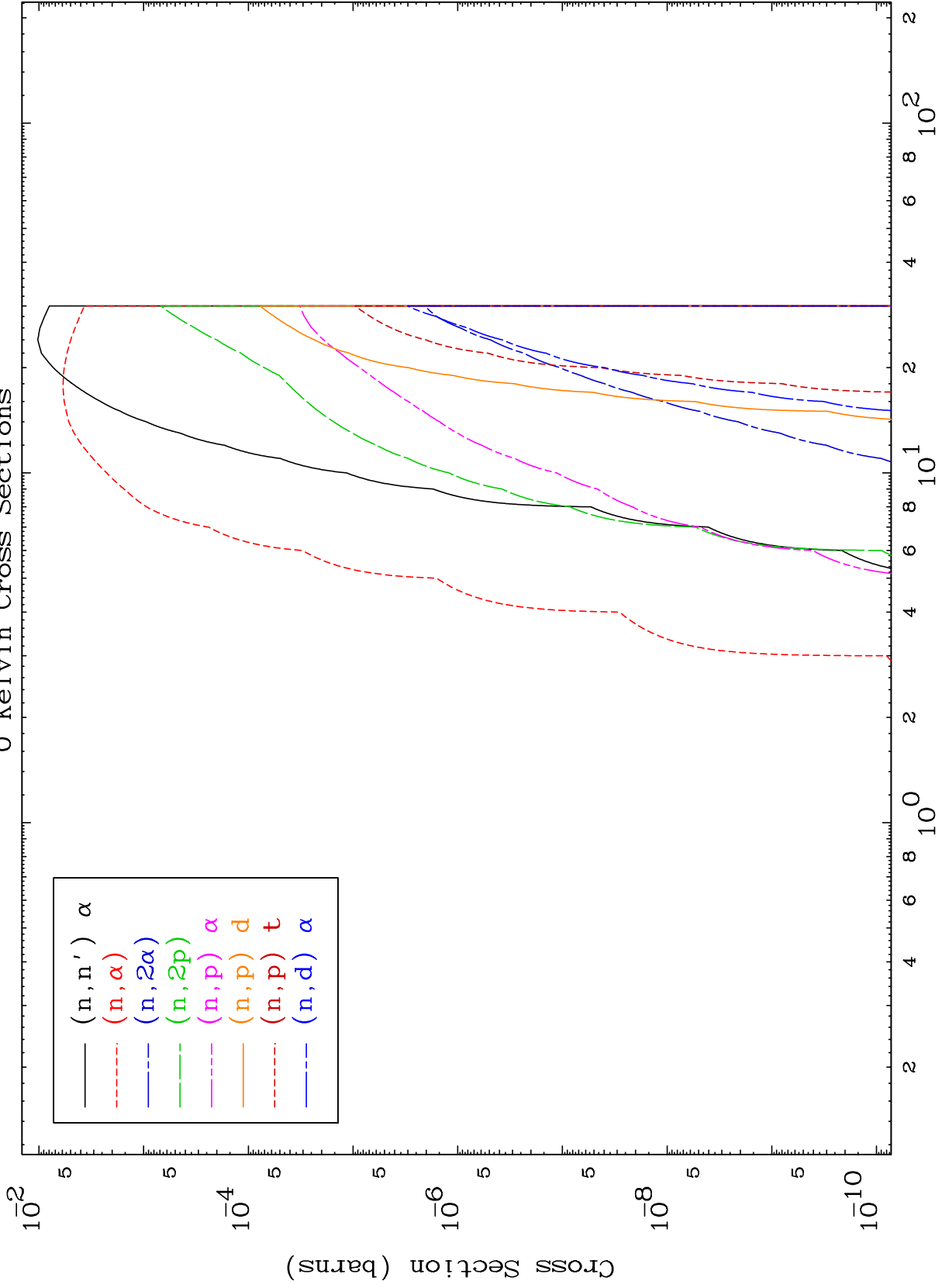


58-Ce-137

Incident Energy (MeV)





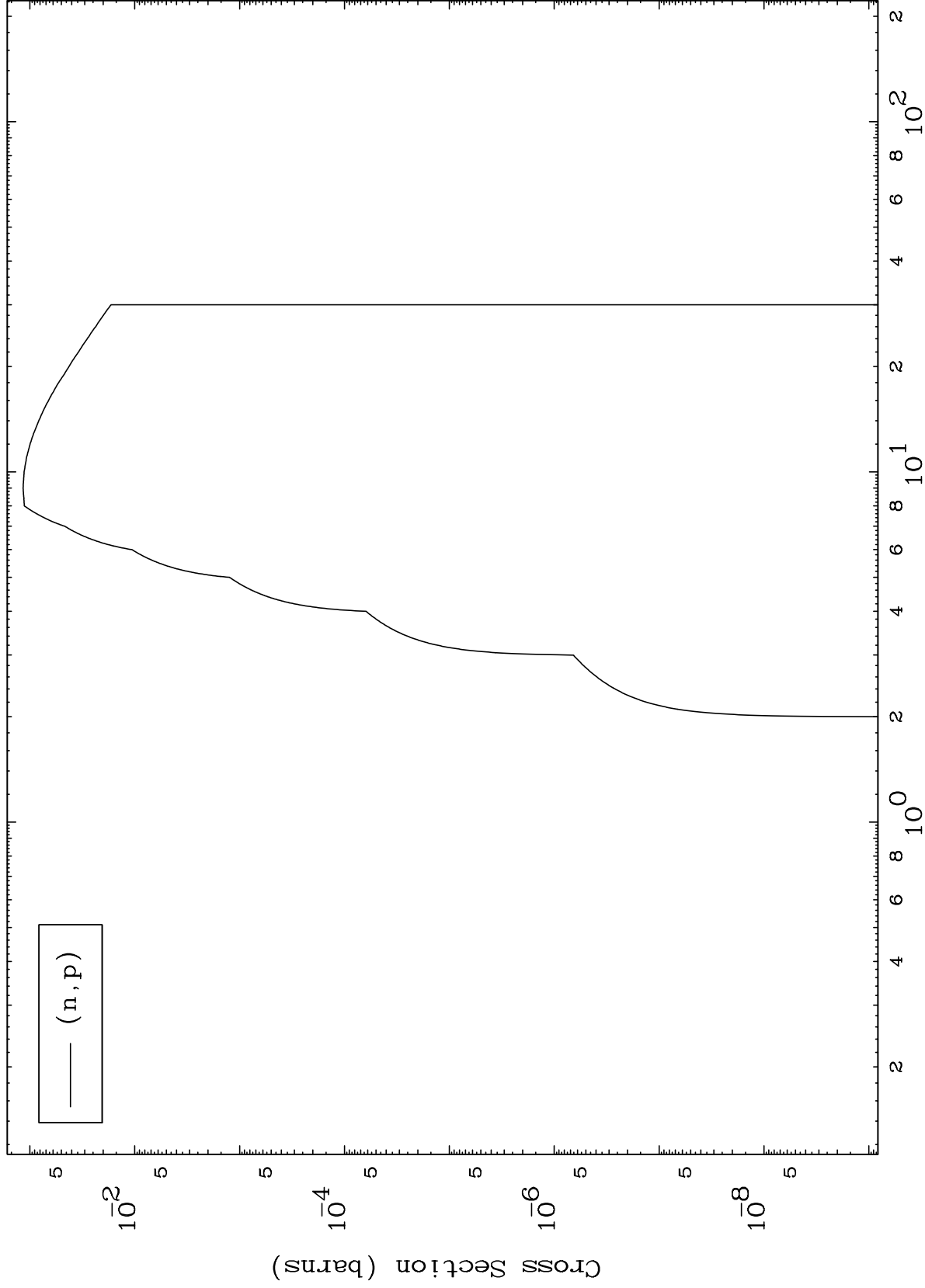


MAT 5828

(d,p) Levels

58-Ce-137

0 Kelvin Cross Sections

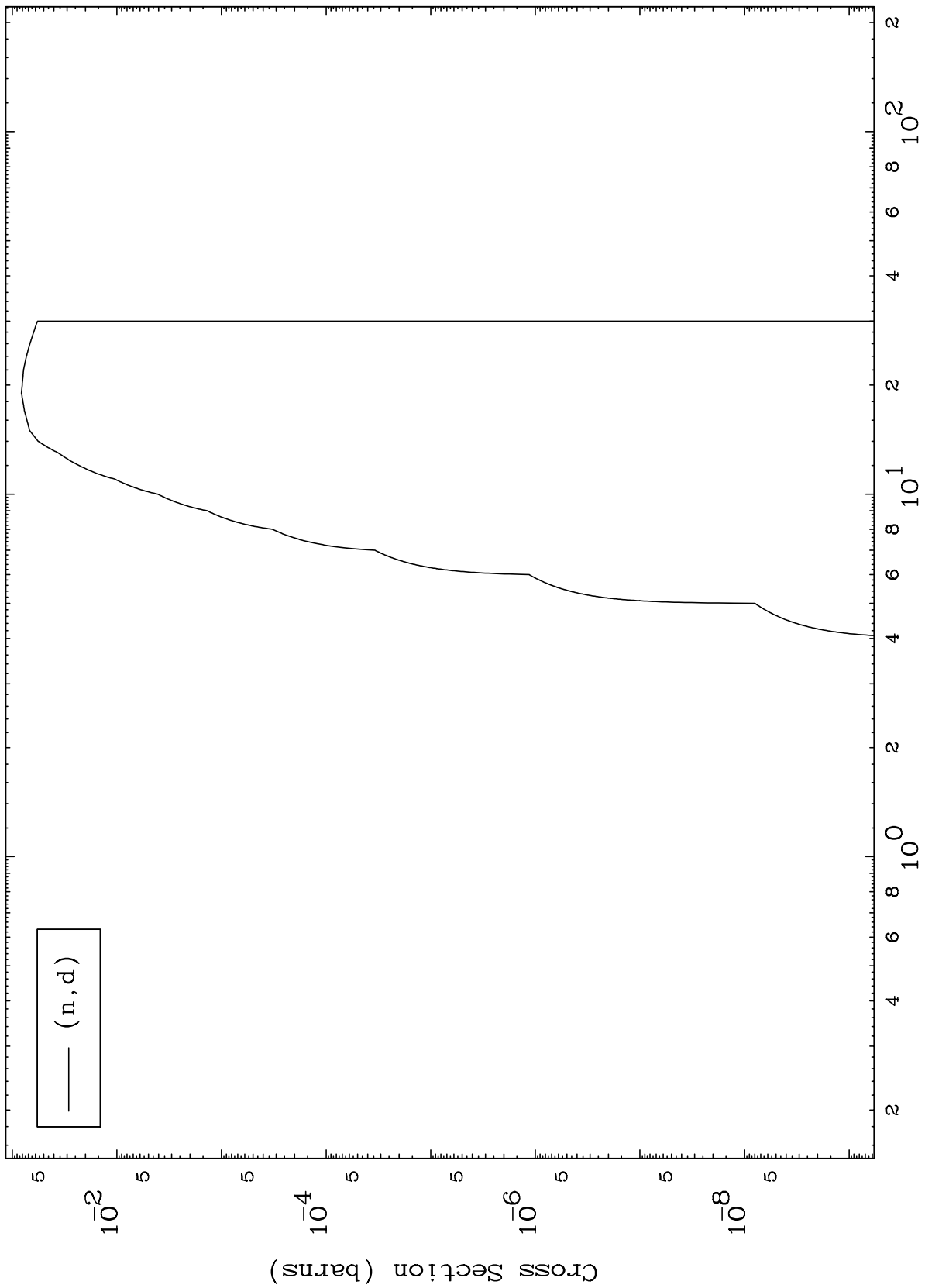


MAT 5828

(d,d) Levels

58-Ce-137

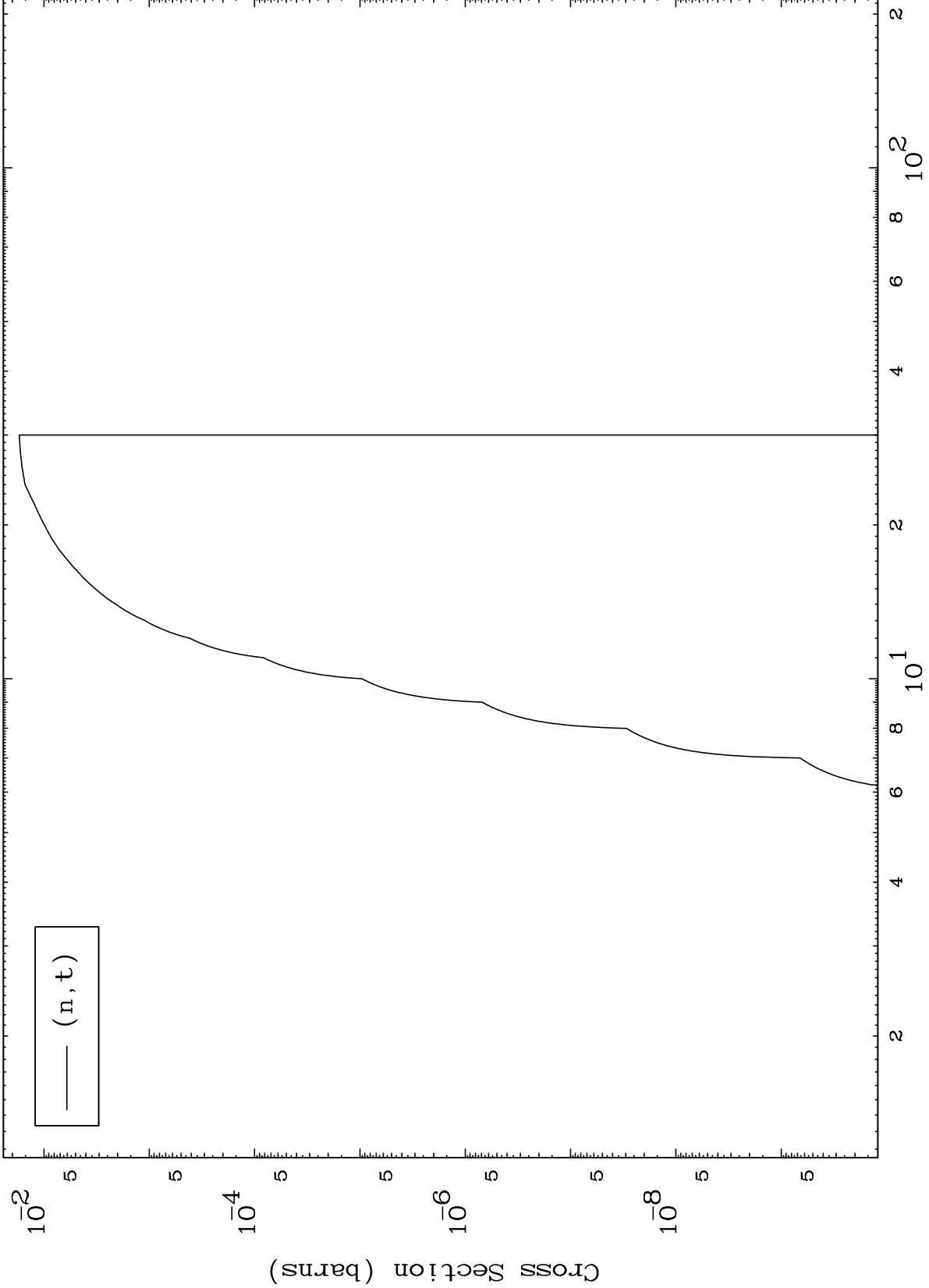
0 Kelvin Cross Sections



MAT 5828

(d,t) Levels
0 Kelvin Cross Sections

58-Ce-137



10

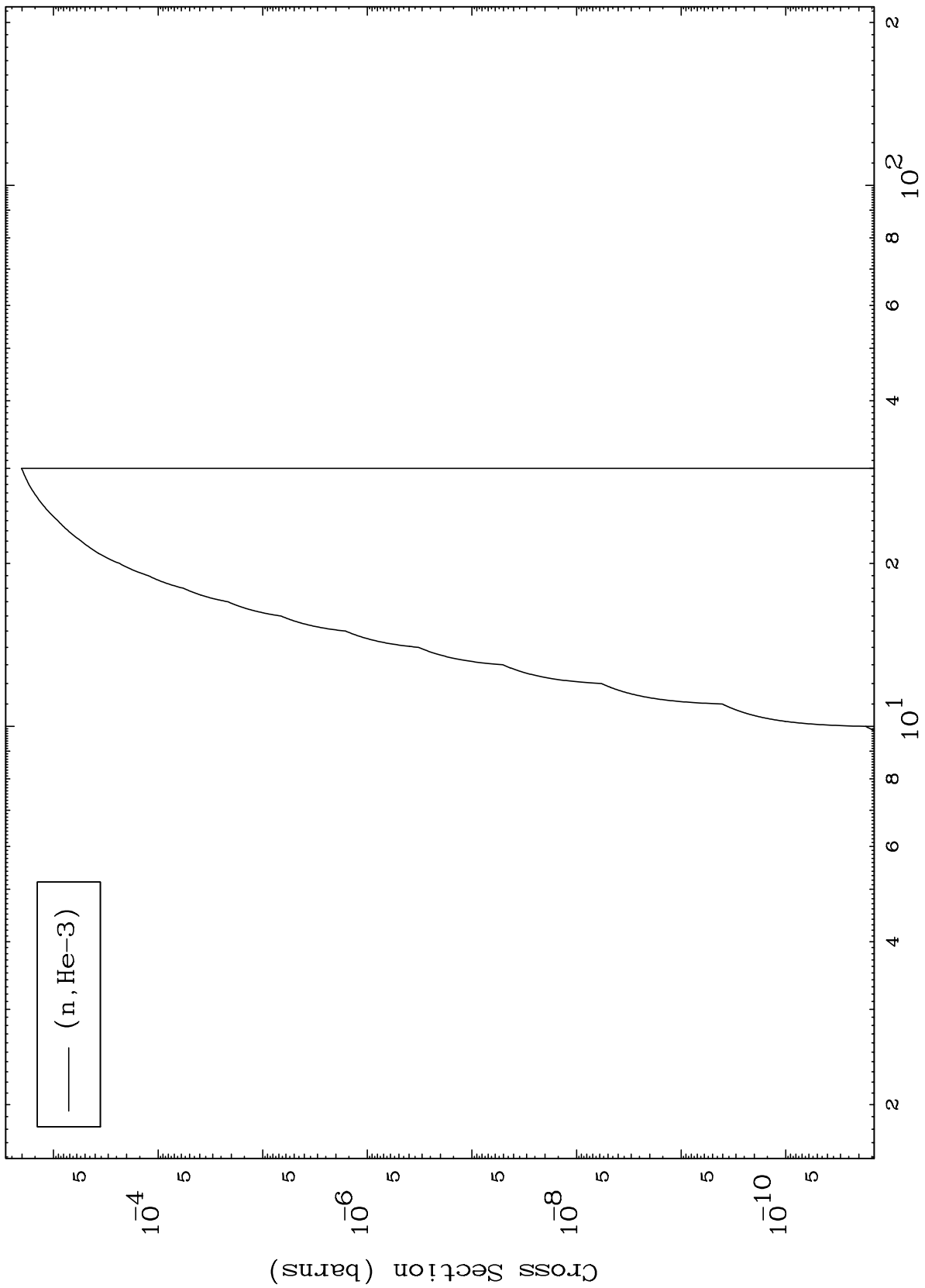
Incident Energy (MeV)

58-Ce-137

MAT 5828

58-Ce-137

(d,He3) Levels
0 Kelvin Cross Sections



58-Ce-137

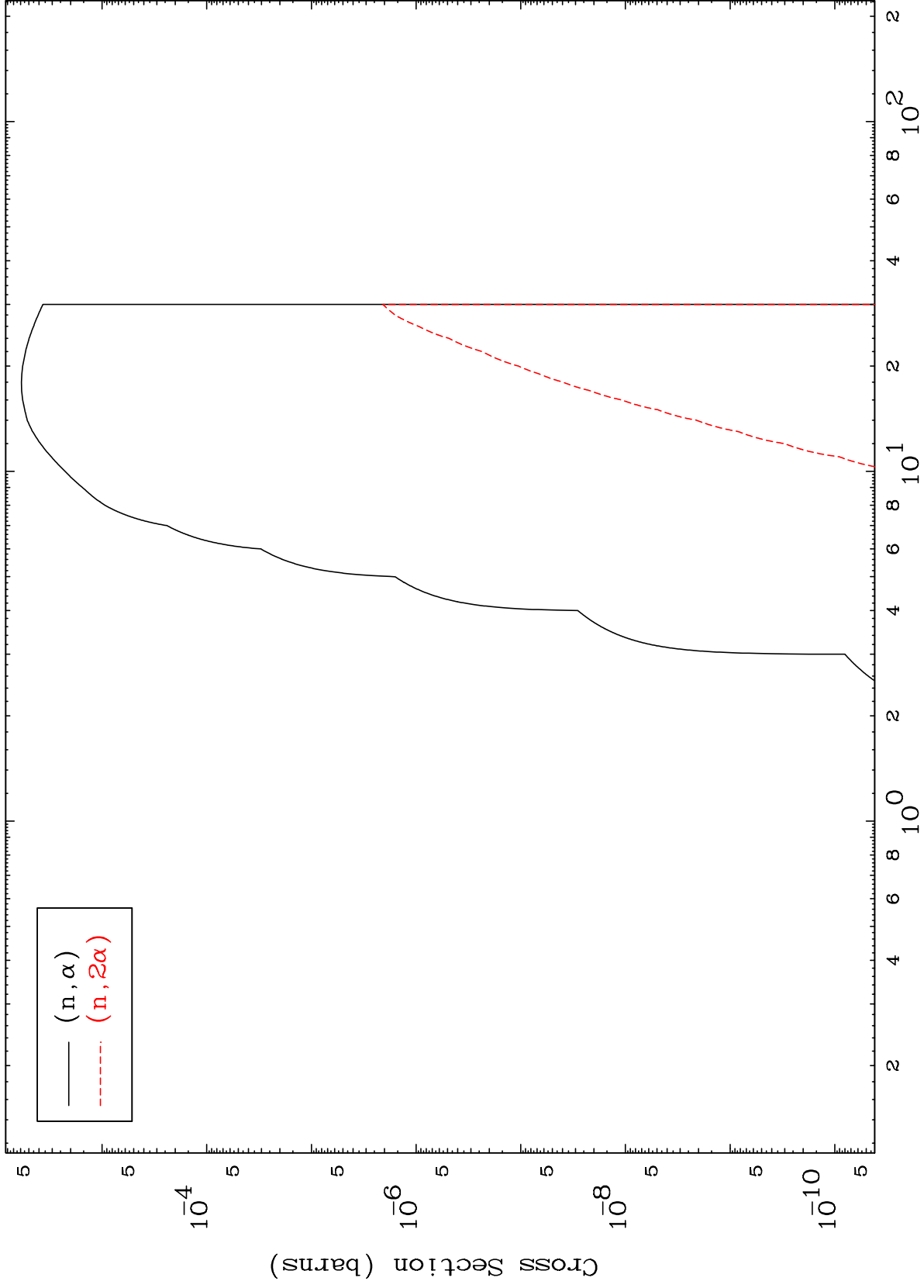
Incident Energy (MeV)

11

MAT 5828

(d, α) Levels
0 Kelvin Cross Sections

58-Ce-137



12

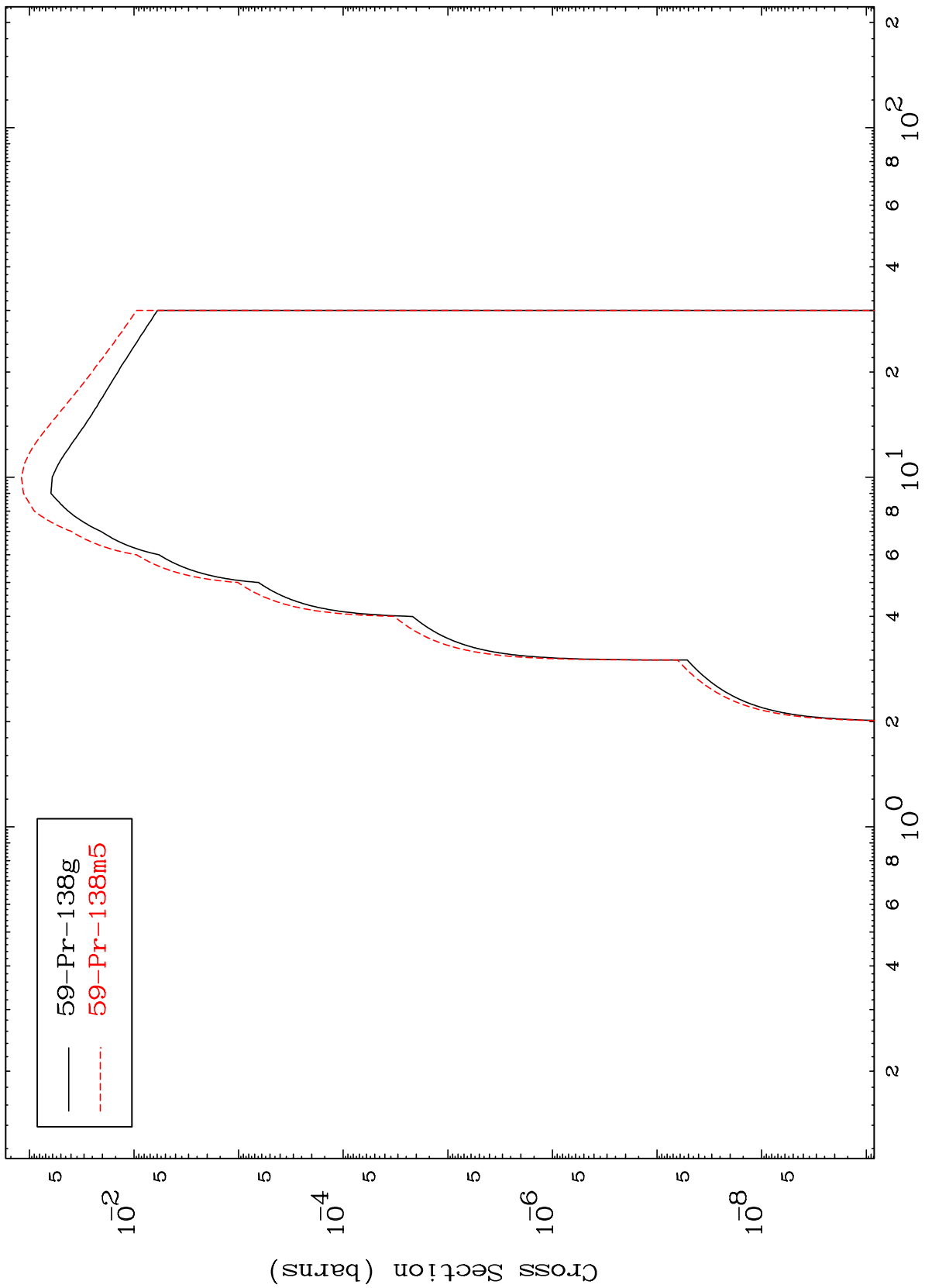
Incident Energy (MeV)

58-Ce-137

MAT 5828

58-Ce-137

Inelastic
Radionuclide Production Cross Section



58-Ce-137

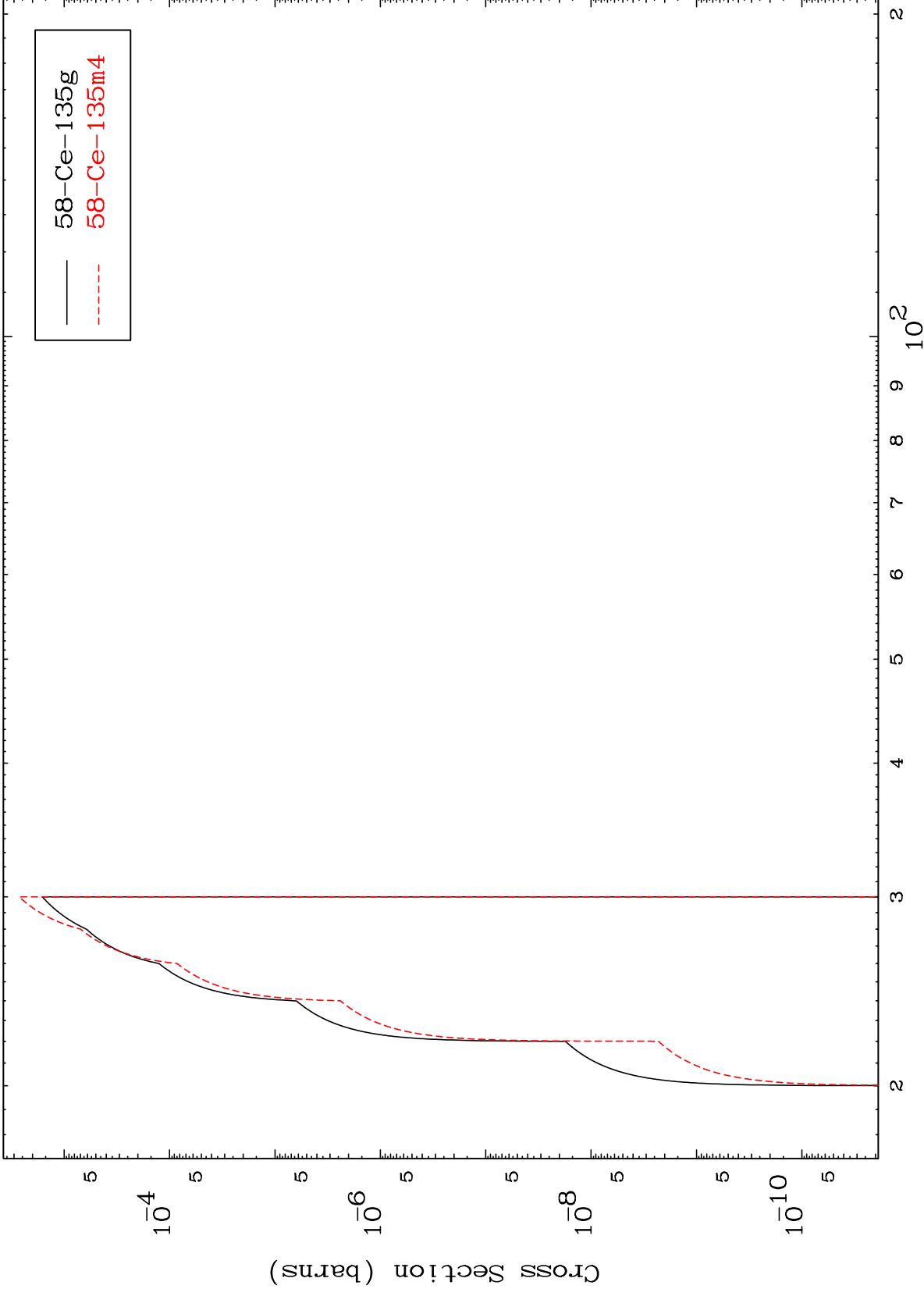
Incident Energy (MeV)

MAT 5828

(n,2n) d

58-Ce-137

Radionuclide Production Cross Section



14

Incident Energy (MeV)

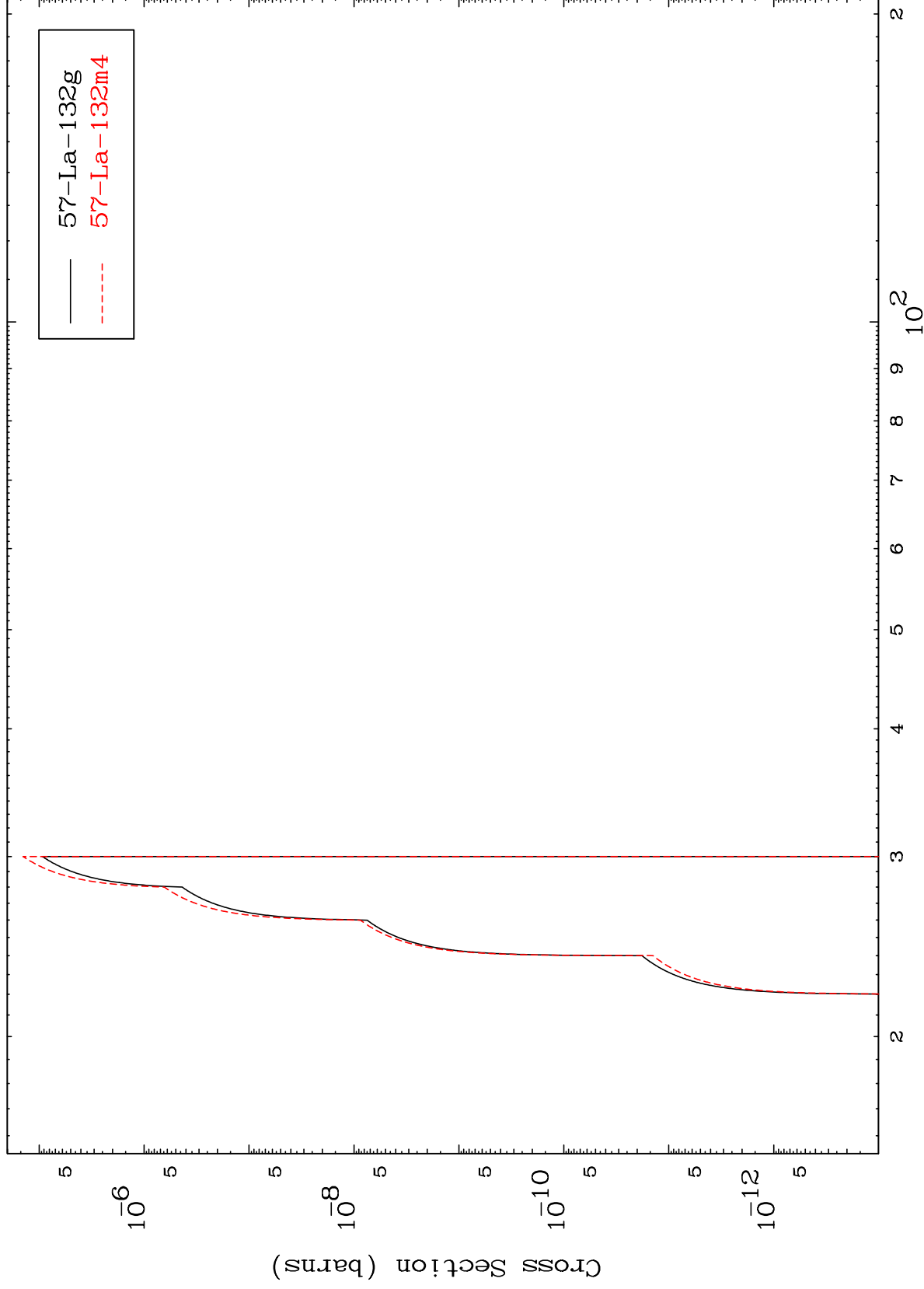
58-Ce-137

MAT 5828

$(n,3n) \alpha$

58-Ce-137

Radionuclide Production Cross Section



15

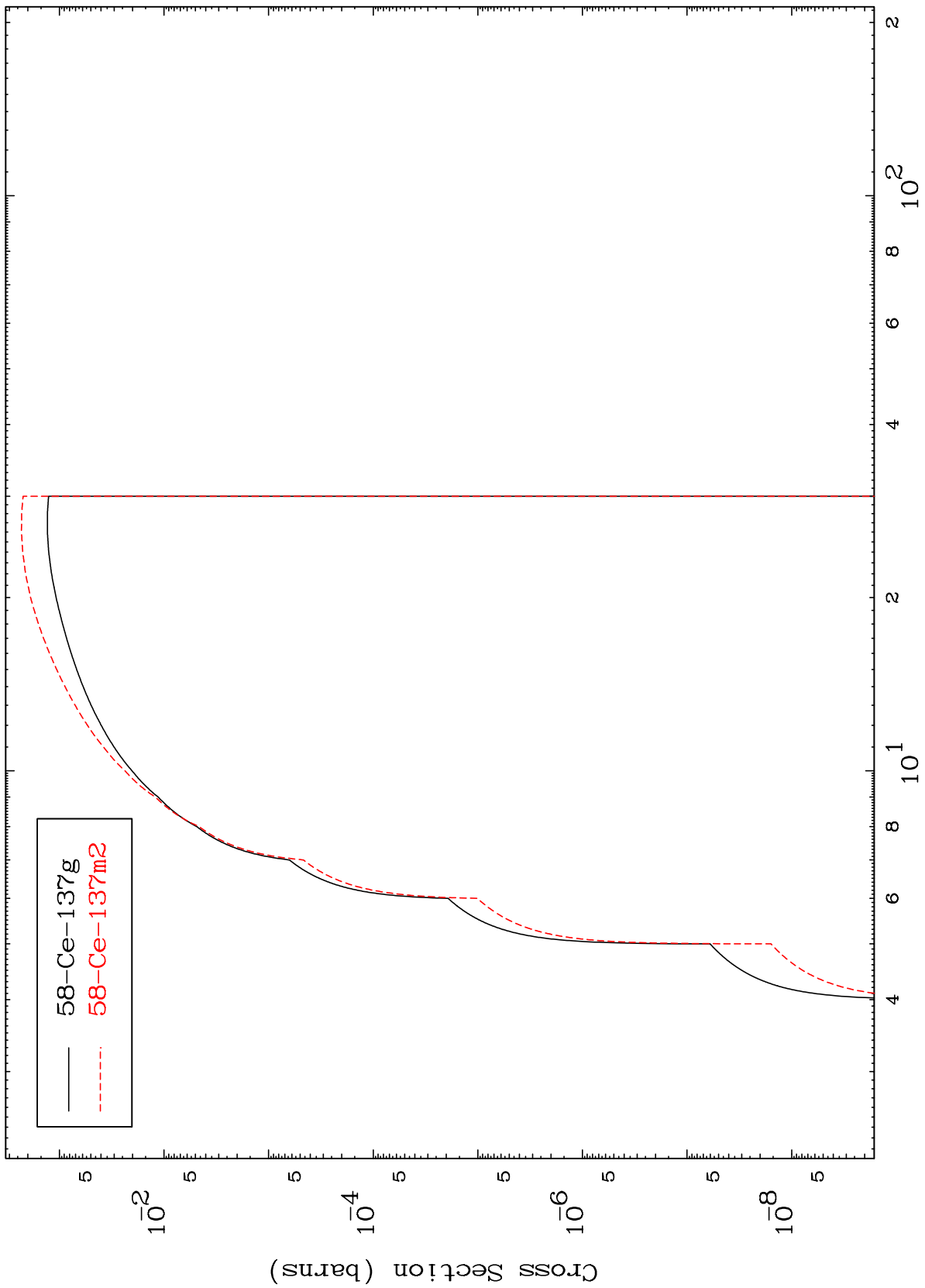
Incident Energy (MeV)

58-Ce-137

MAT 5828

58-Ce-137

(n,n') p
Radionuclide Production Cross Section



58-Ce-137g
58-Ce-137m2

58-Ce-137

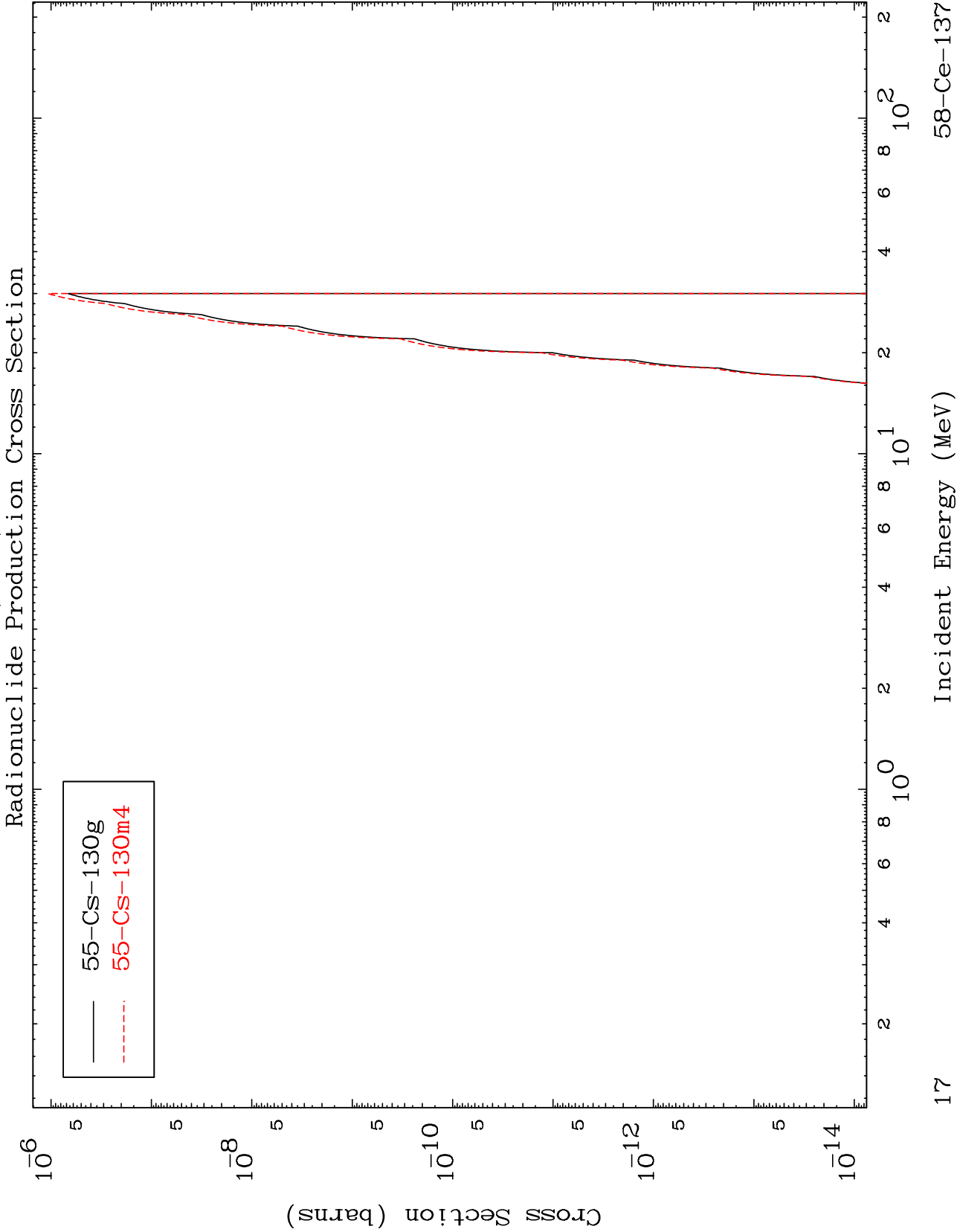
Incident Energy (MeV)

16

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(n,n') 2α

58-Ce-137



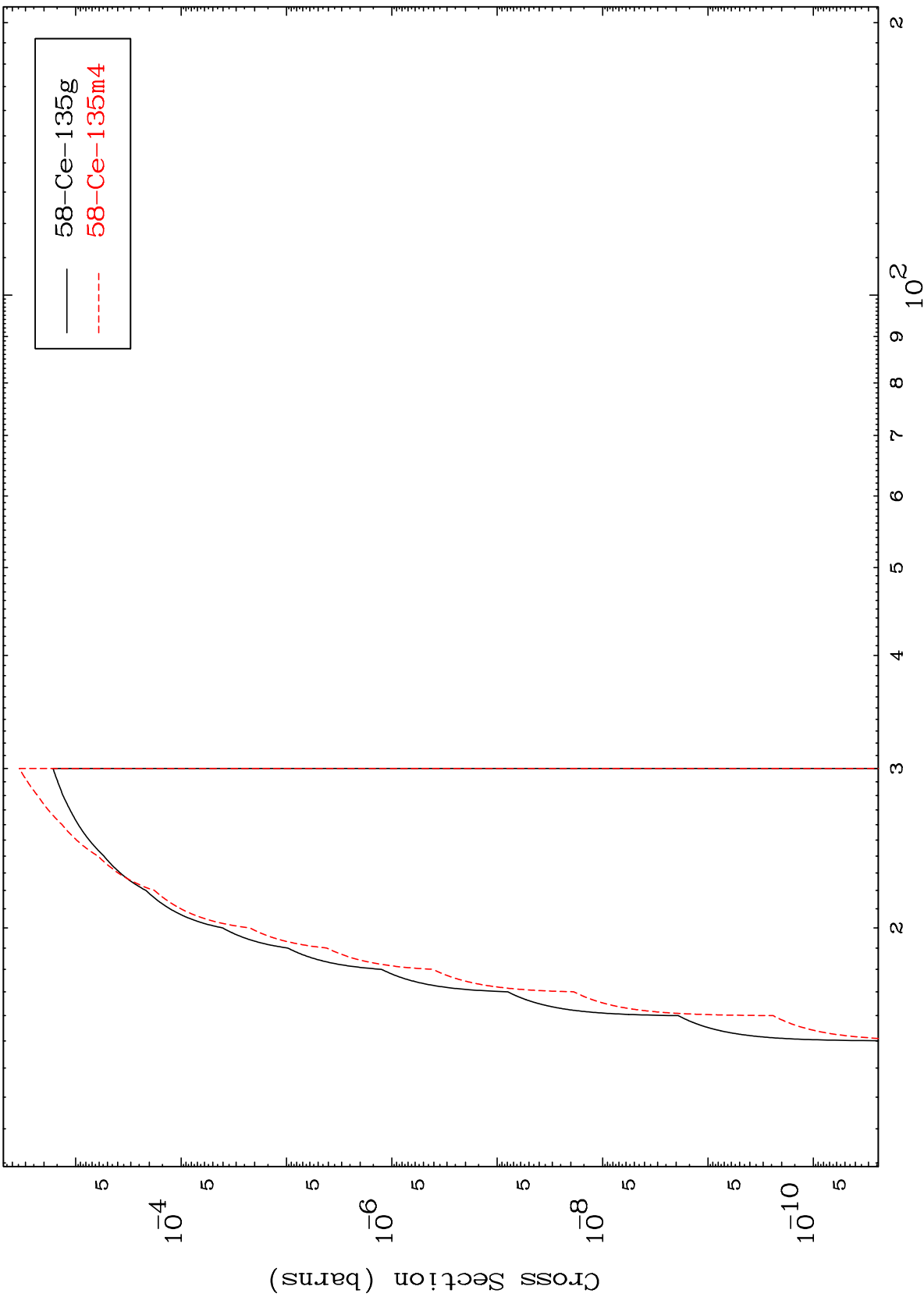
55-Cs-130g
55-Cs-130m4

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(n,n') t

58-Ce-137

Radionuclide Production Cross Section



18

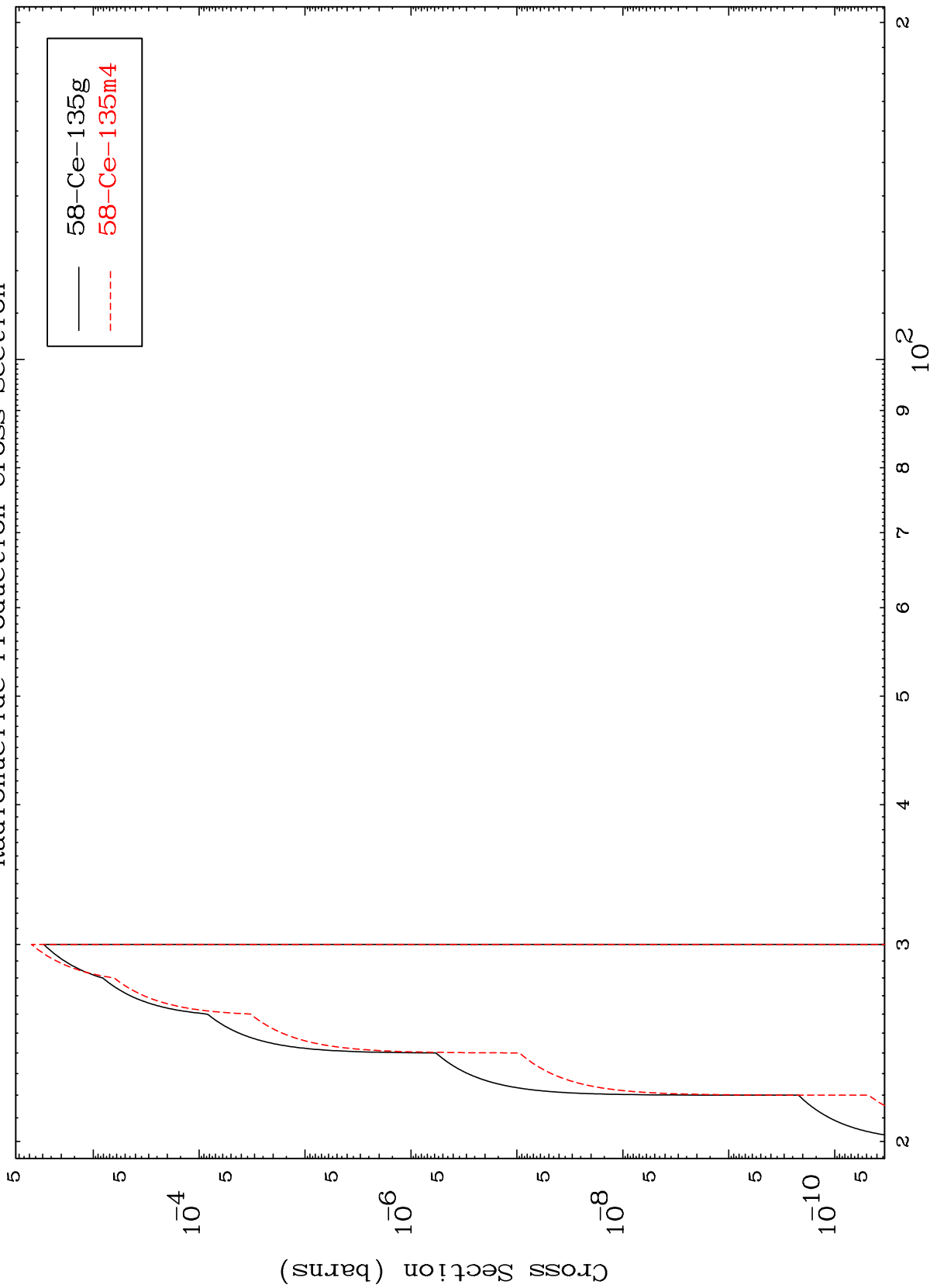
Incident Energy (MeV)

58-Ce-137

MAT 5828

58-Ce-137

(n,3n) p
Radionuclide Production Cross Section



58-Ce-137

Incident Energy (MeV)

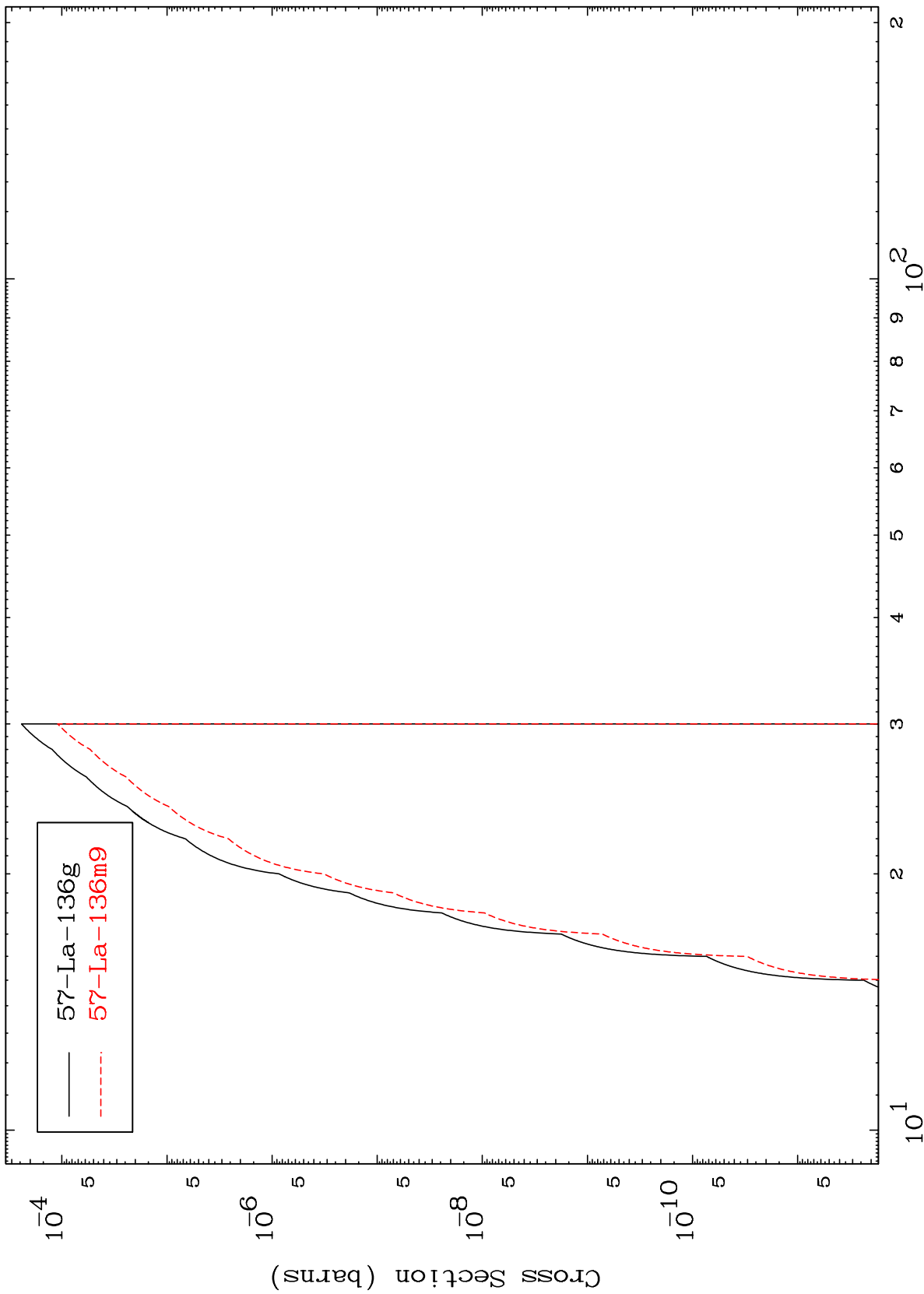
19

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(n,2n) p

58-Ce-137

Radionuclide Production Cross Section



57-La-136g
57-La-136m9

Incident Energy (MeV)

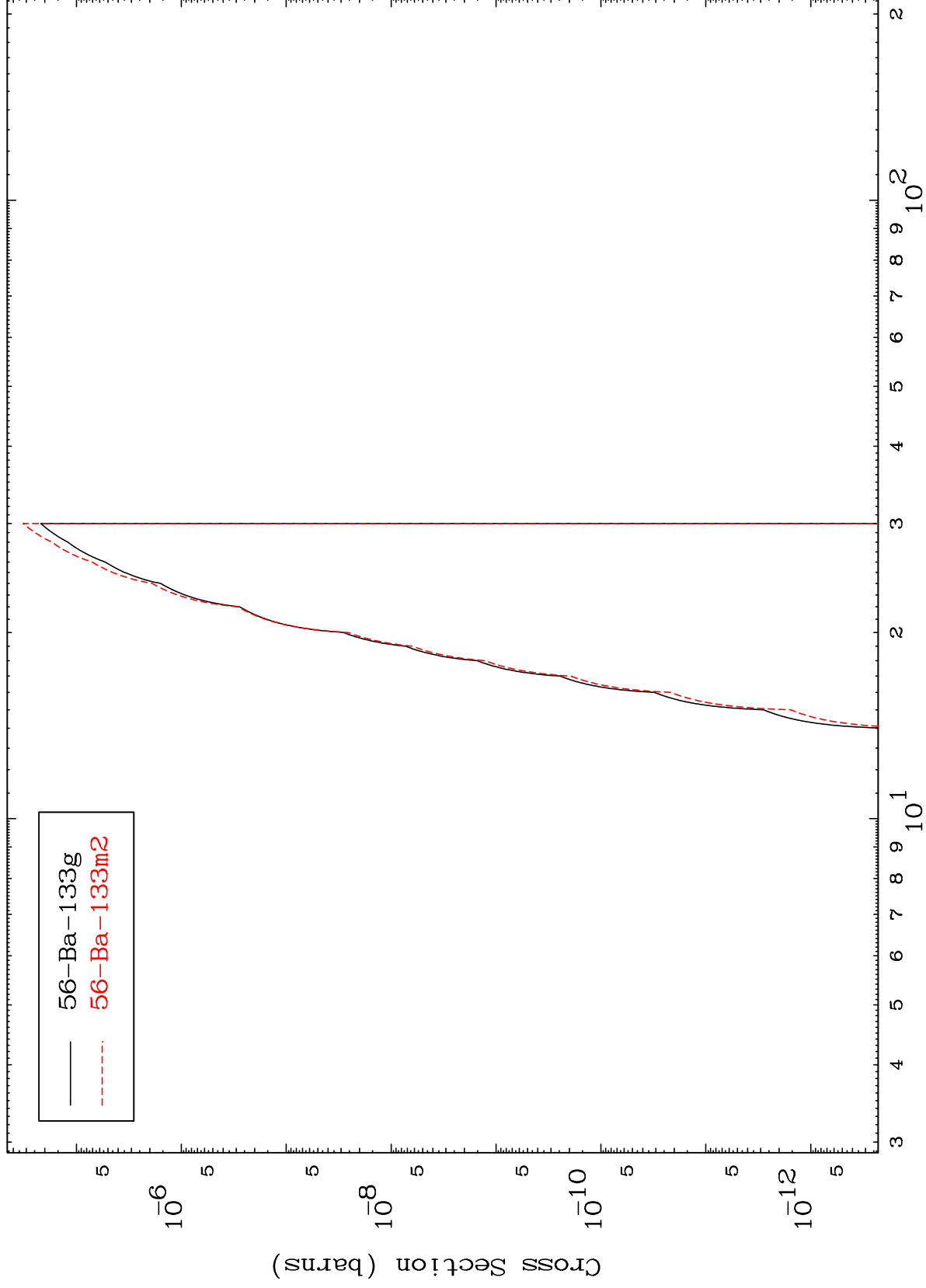
58-Ce-137

MAT 5828

(n,n') p α

58-Ce-137

Radionuclide Production Cross Section



21

Incident Energy (MeV)

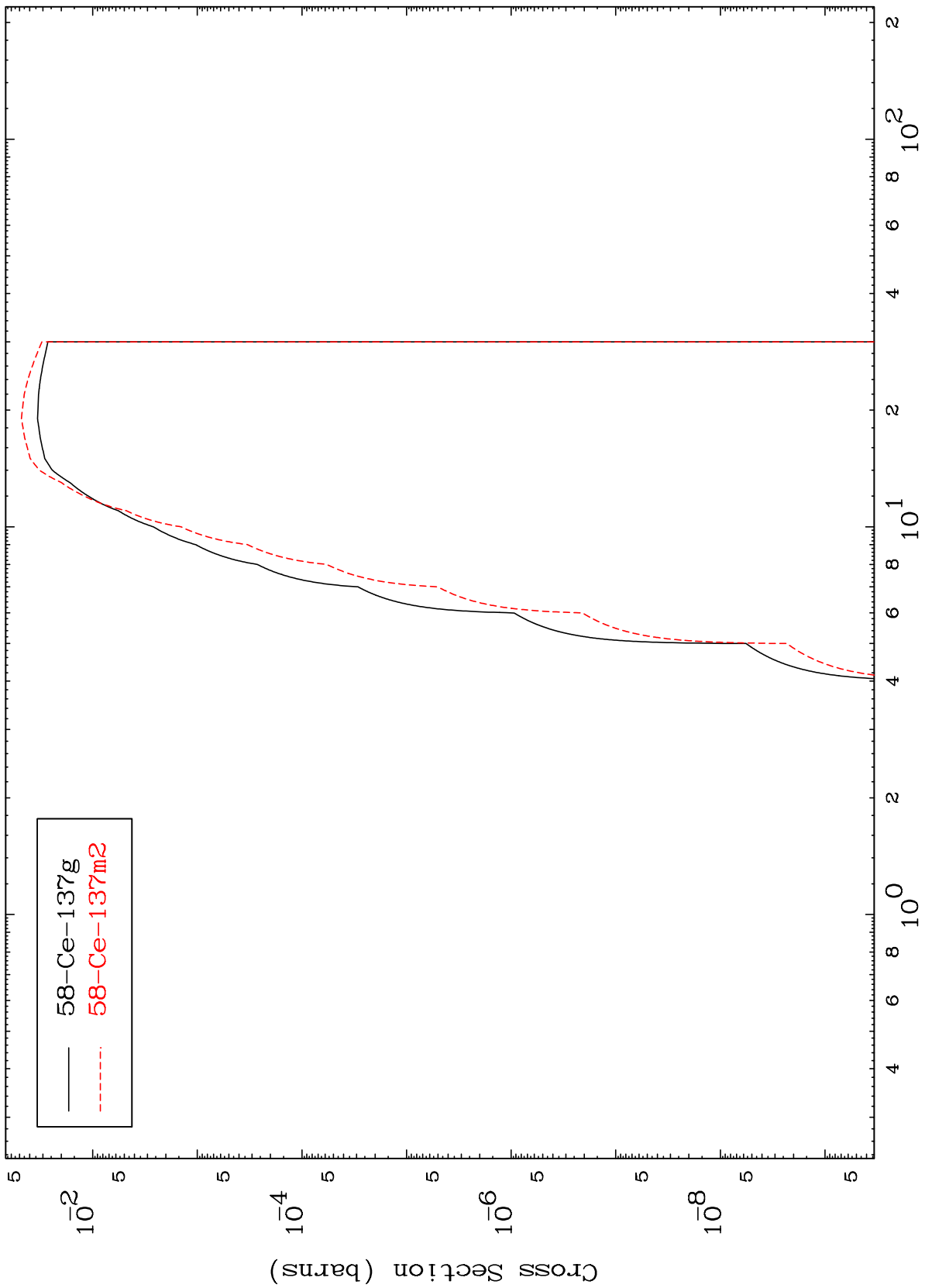
58-Ce-137

MAT 5828

(n,d)

58-Ce-137

Radionuclide Production Cross Section

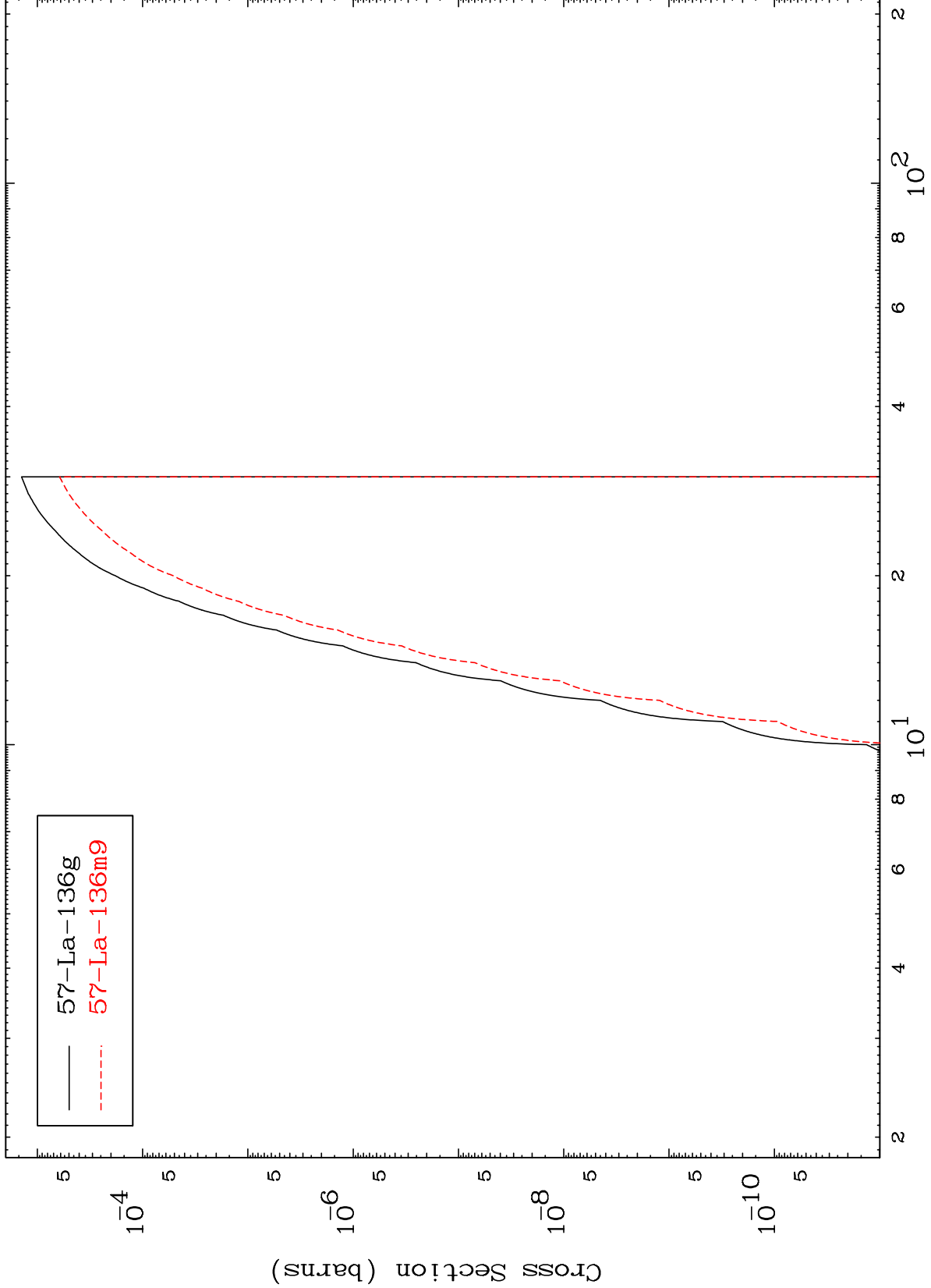


MAT 5828

(n,He-3)

58-Ce-137

Radionuclide Production Cross Section



57-La-136g
57-La-136m9

23

Incident Energy (MeV)

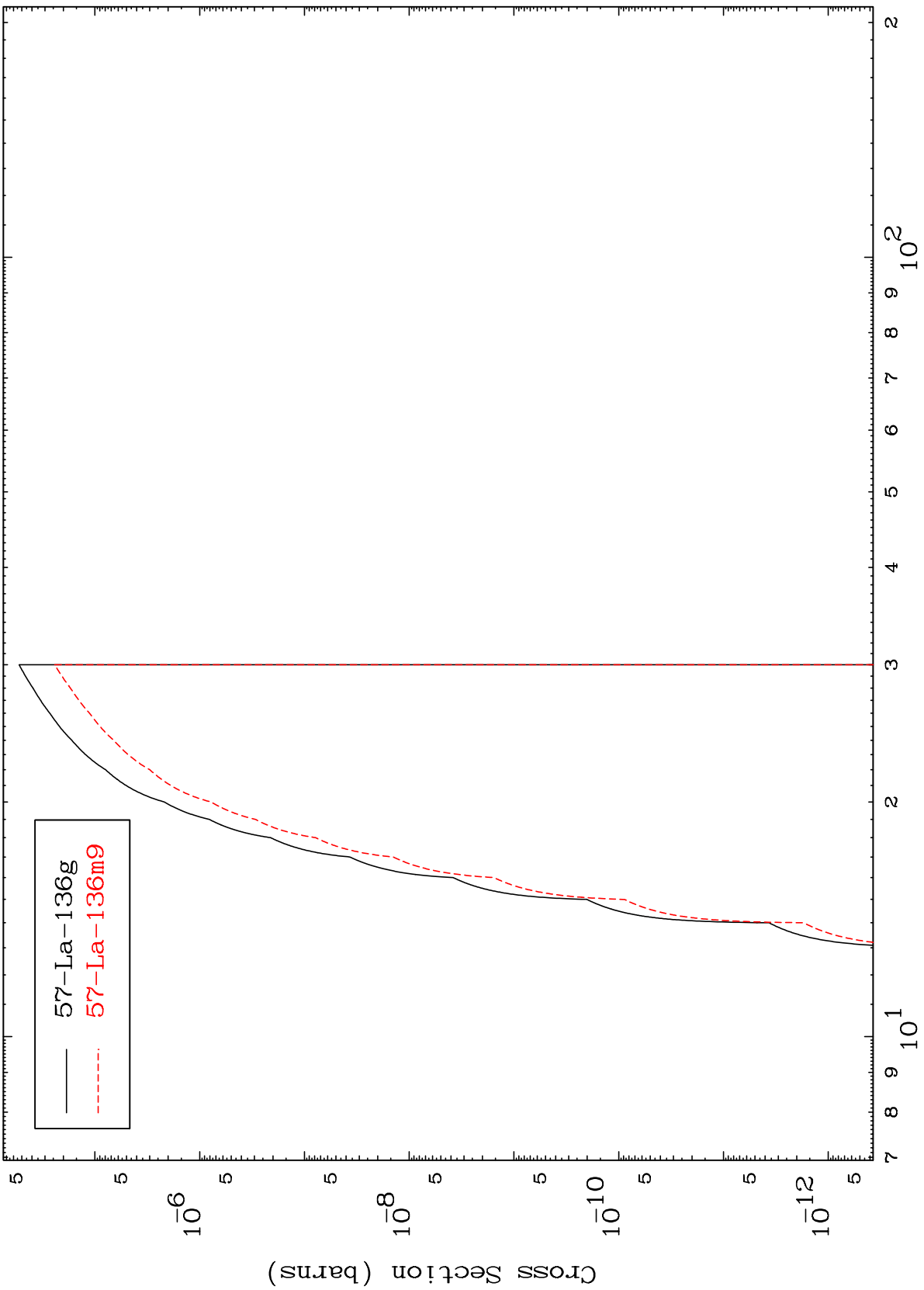
58-Ce-137

MAT 5828

(n,p) d

58-Ce-137

Radionuclide Production Cross Section



57-La-136g
57-La-136m9

24

Incident Energy (MeV)

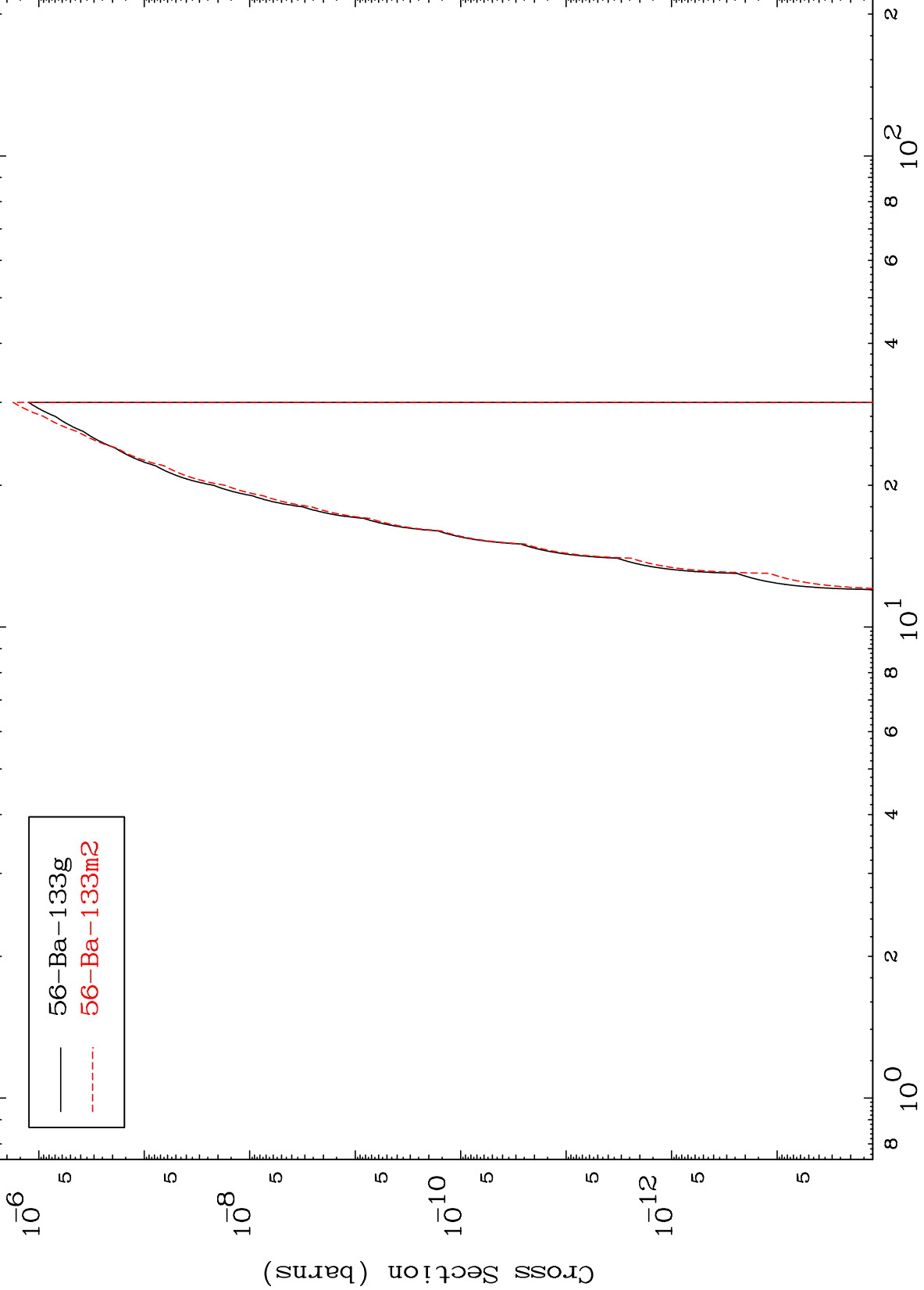
58-Ce-137

MAT 5828

(n,d) α

58-Ce-137

Radionuclide Production Cross Section



56-Ba-133g
56-Ba-133m2

25

Incident Energy (MeV)

58-Ce-137