

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

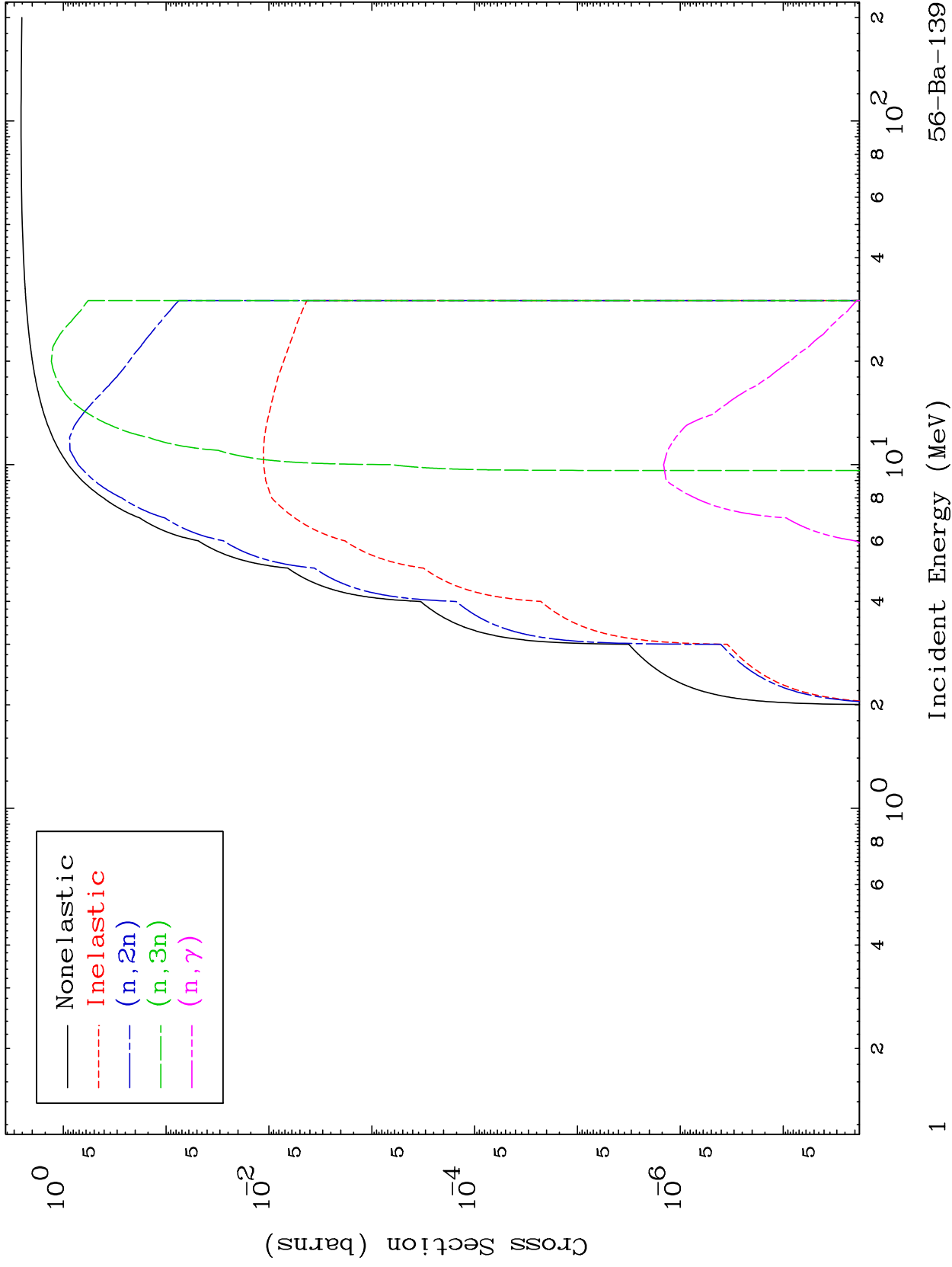
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Web:redcullen1.net/HOMEPAGE.NEW

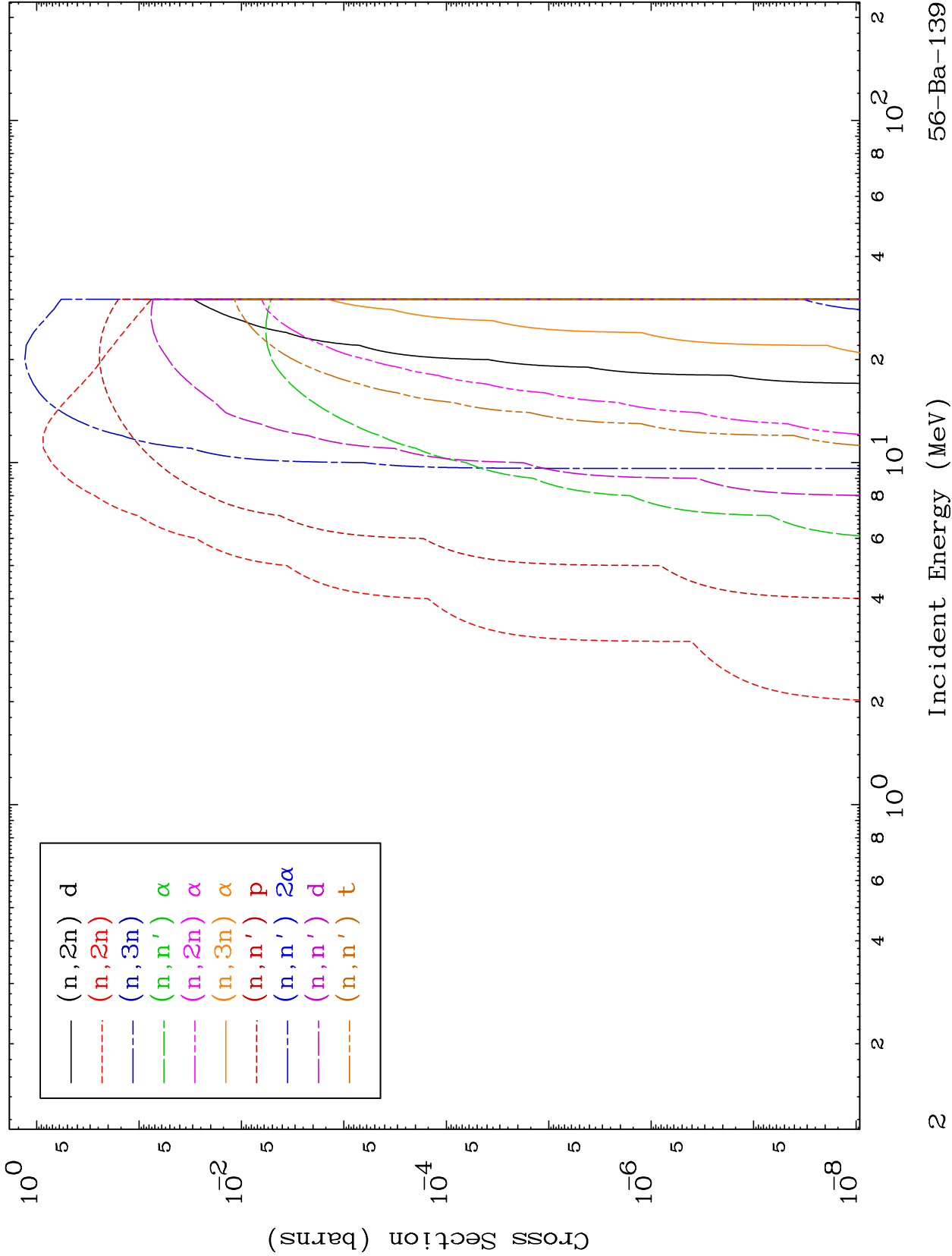
Press Mouse Button to Start



MAT 5652

Deuteron Neutron Absorption
0 Kelvin Cross Sections

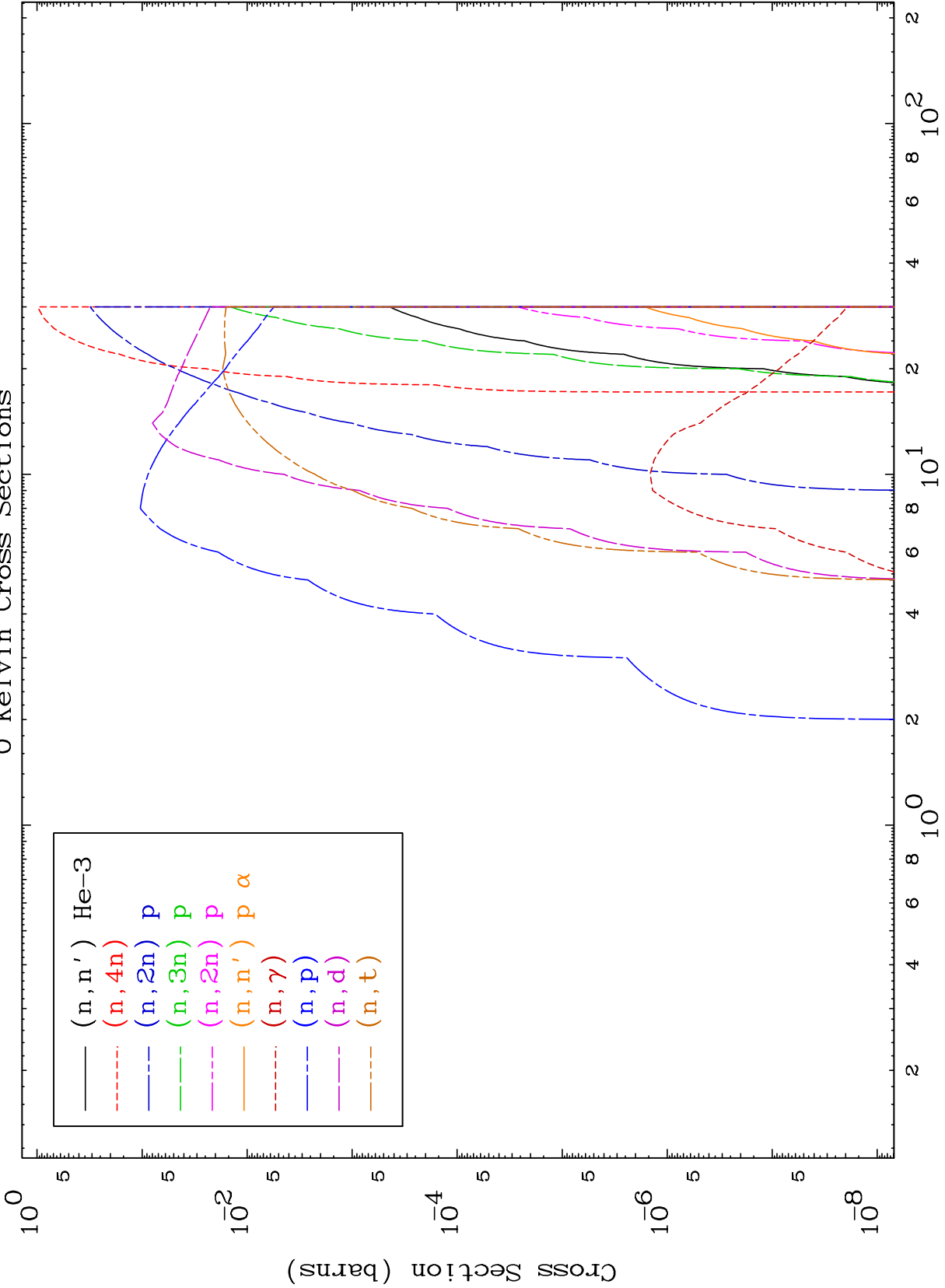
56-Ba-139



MAT 5652

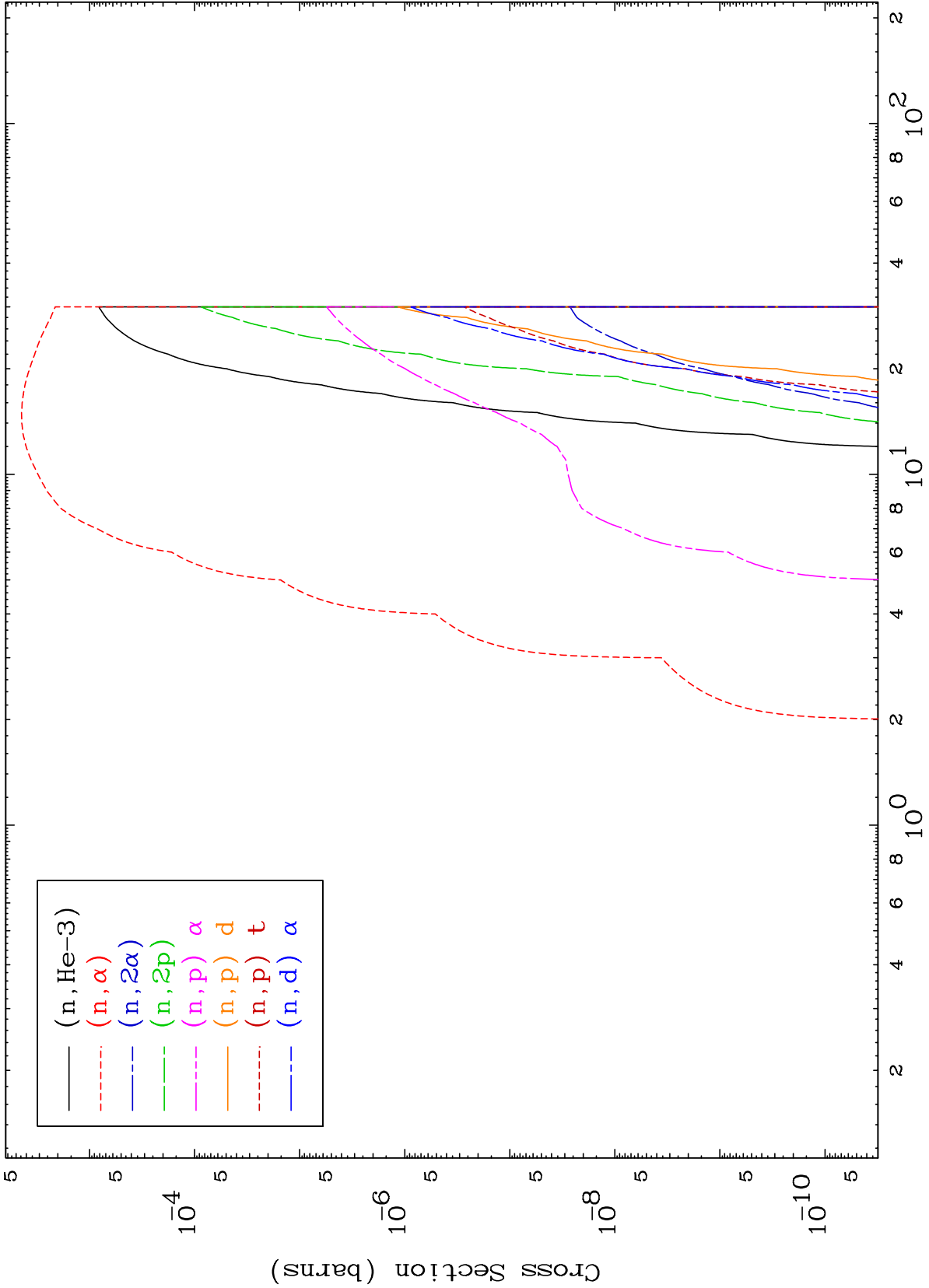
Deuteron Neutron Absorption
0 Kelvin Cross Sections

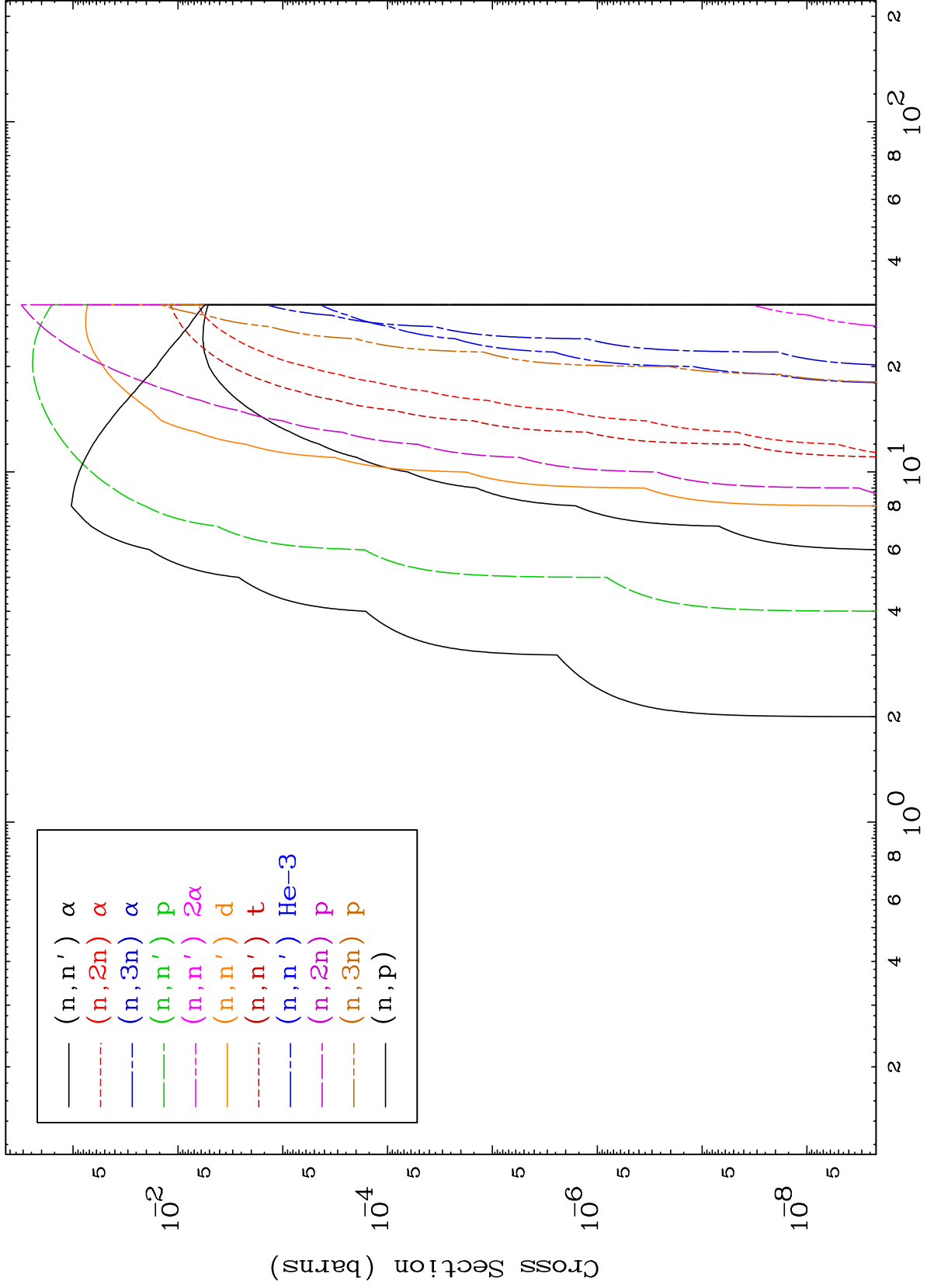
56-Ba-139

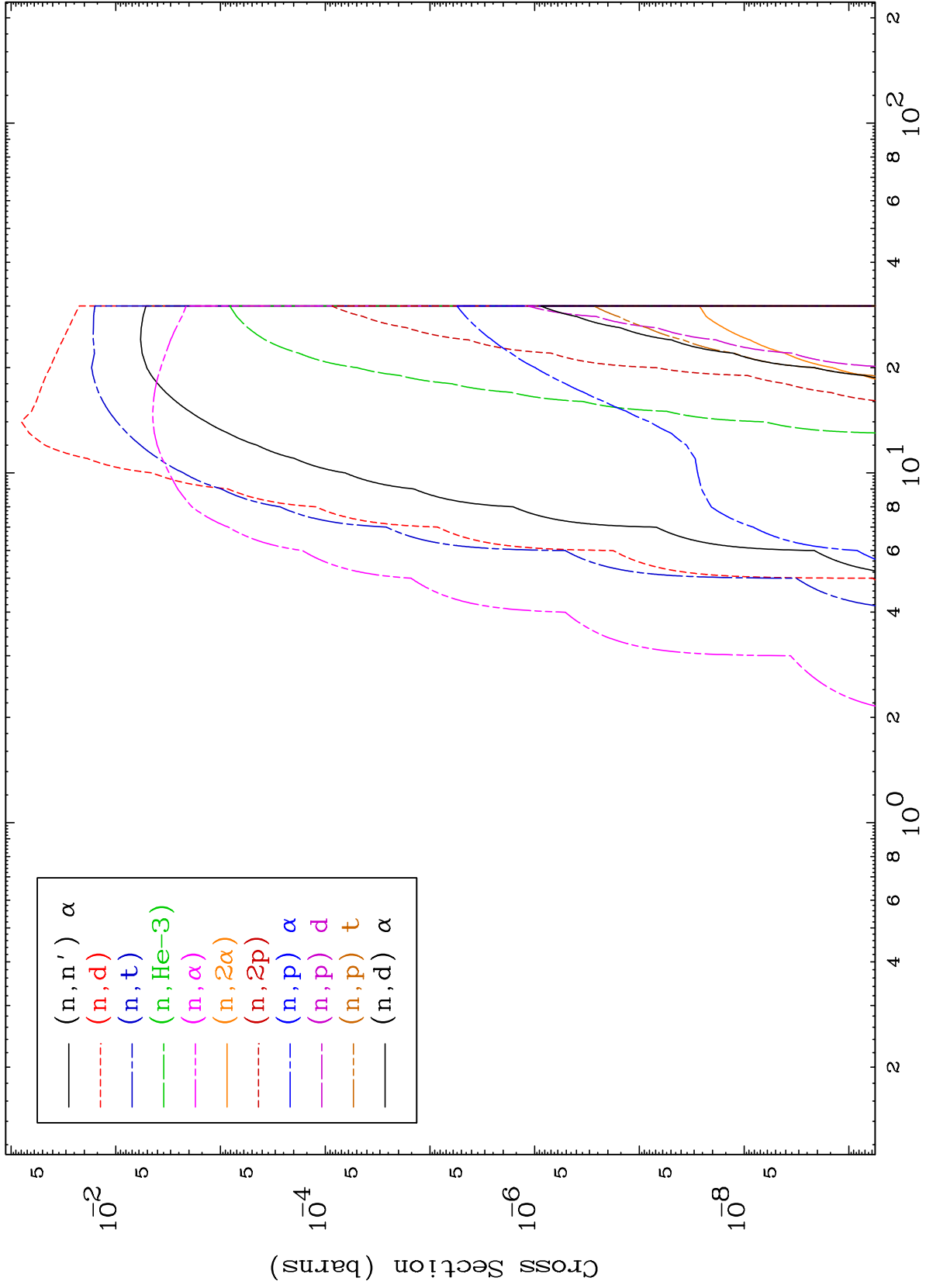


56-Ba-139

Incident Energy (MeV)



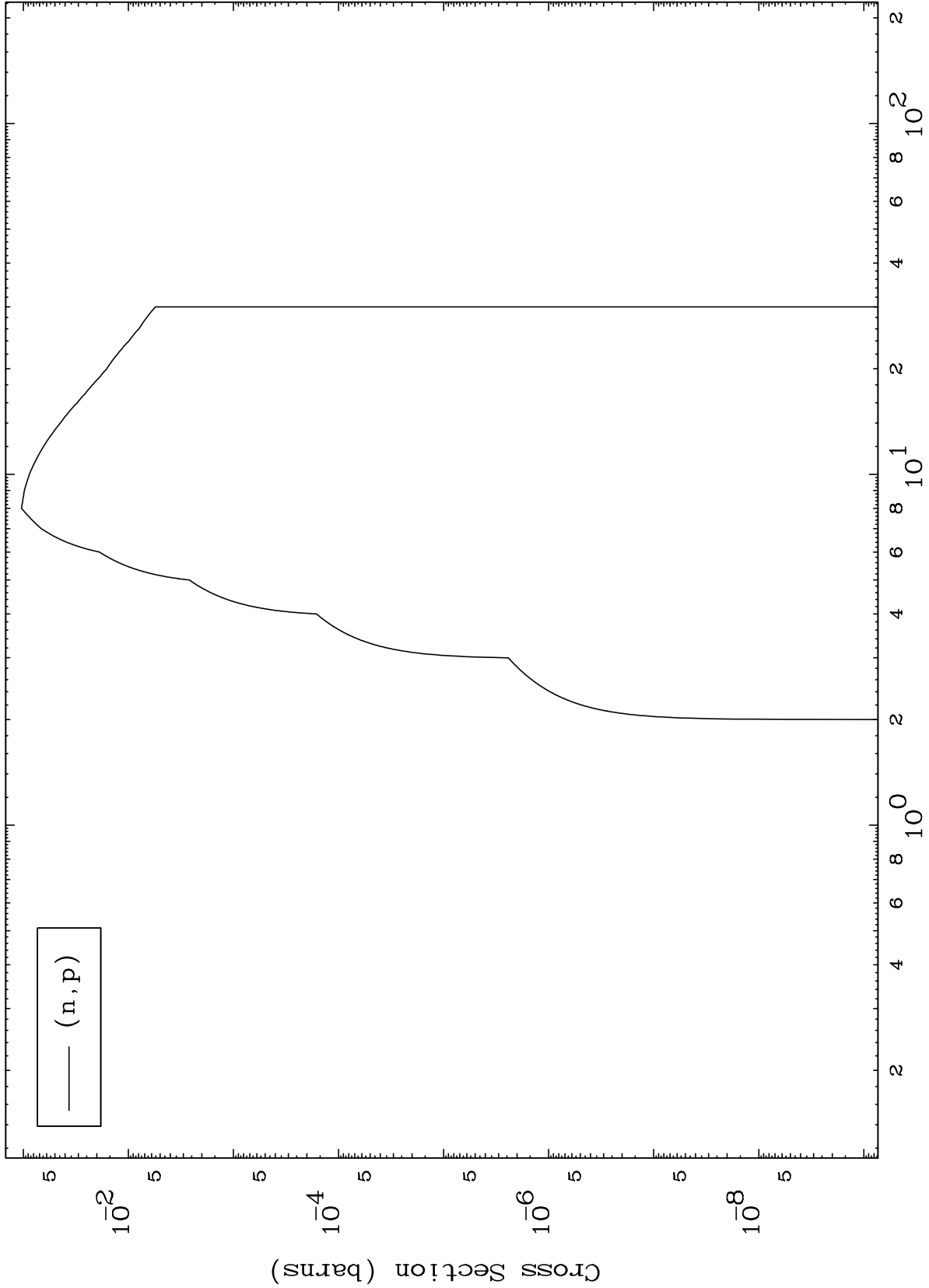




MAT 5652

56-Ba-139

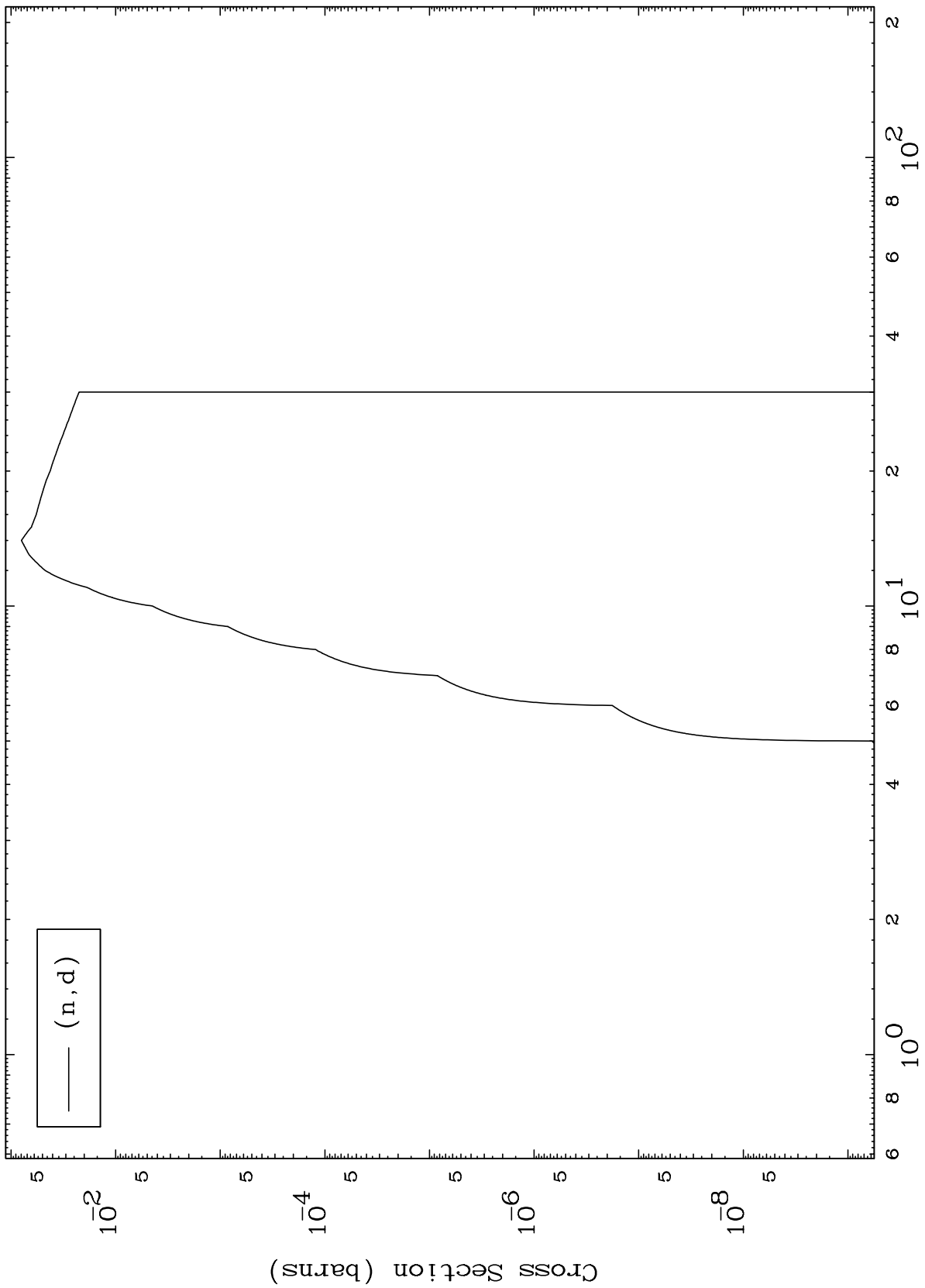
(d,p) Levels
0 Kelvin Cross Sections



MAT 5652

56-Ba-139

(d,d) Levels
0 Kelvin Cross Sections



56-Ba-139

Incident Energy (MeV)

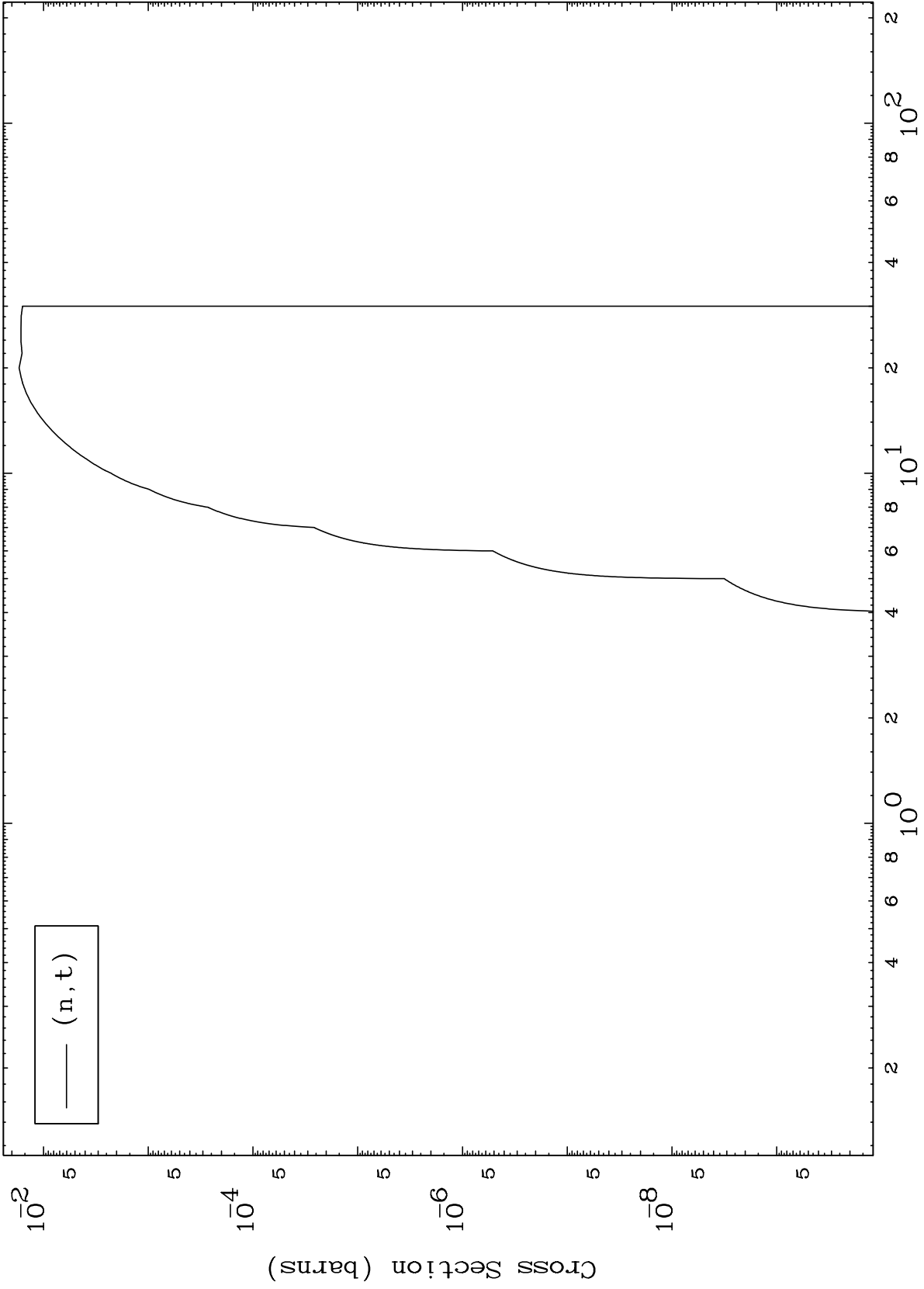
8

MAT 5652

(d,t) Levels

56-Ba-139

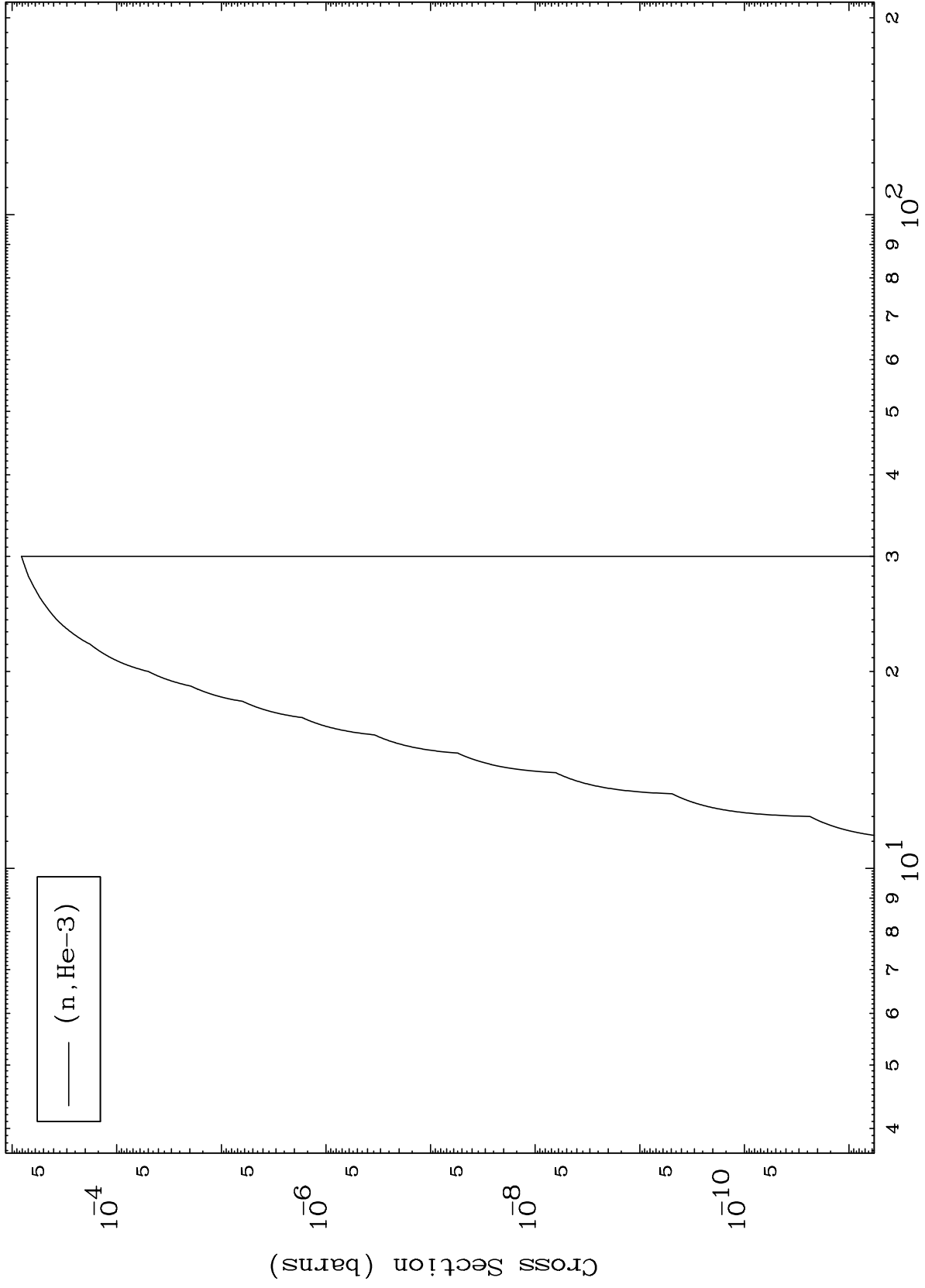
0 Kelvin Cross Sections



MAT 5652

56-Ba-139

(d,He3) Levels
0 Kelvin Cross Sections



56-Ba-139

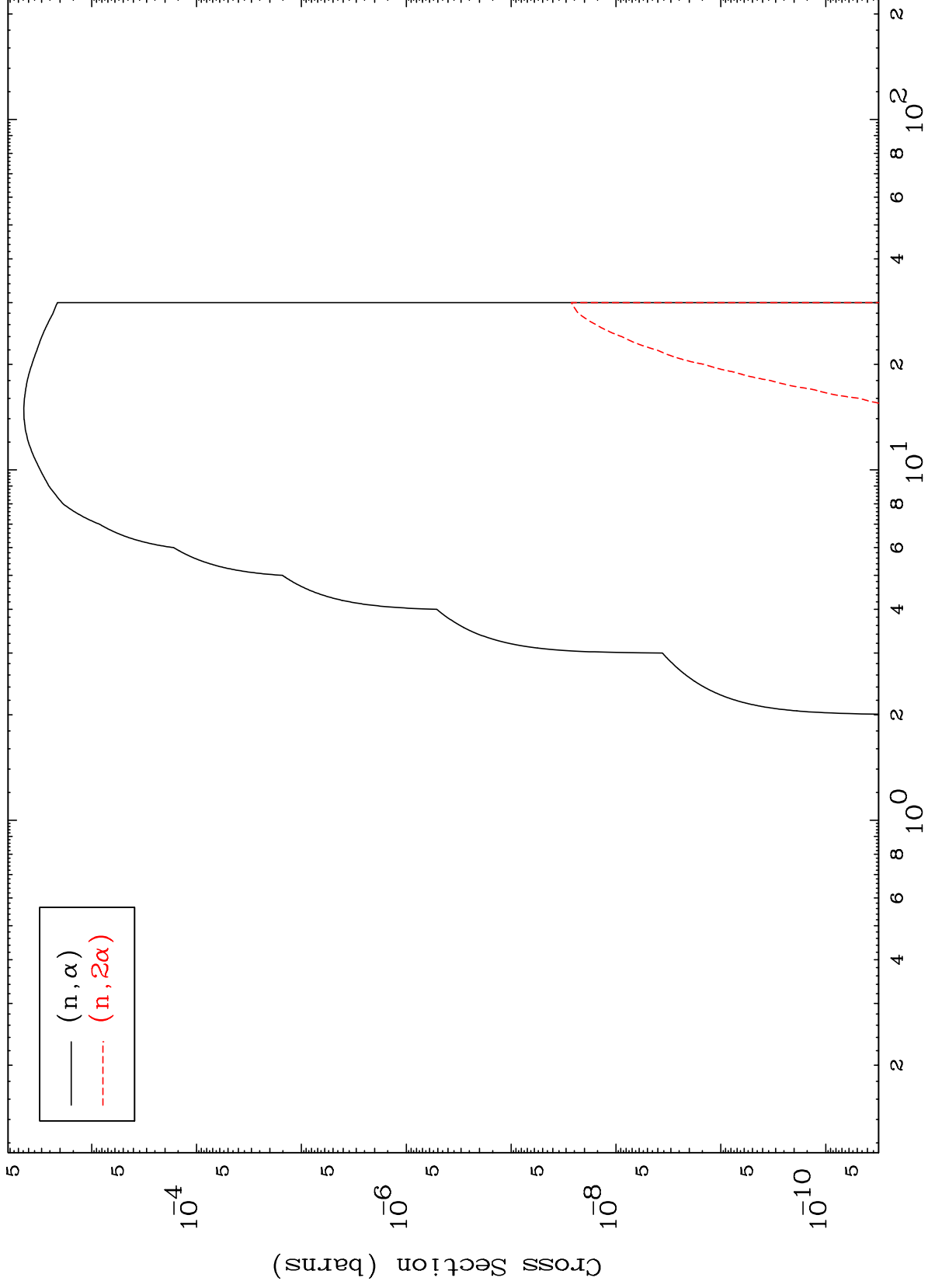
Incident Energy (MeV)

10

MAT 5652

(d, α) Levels
0 Kelvin Cross Sections

56-Ba-139

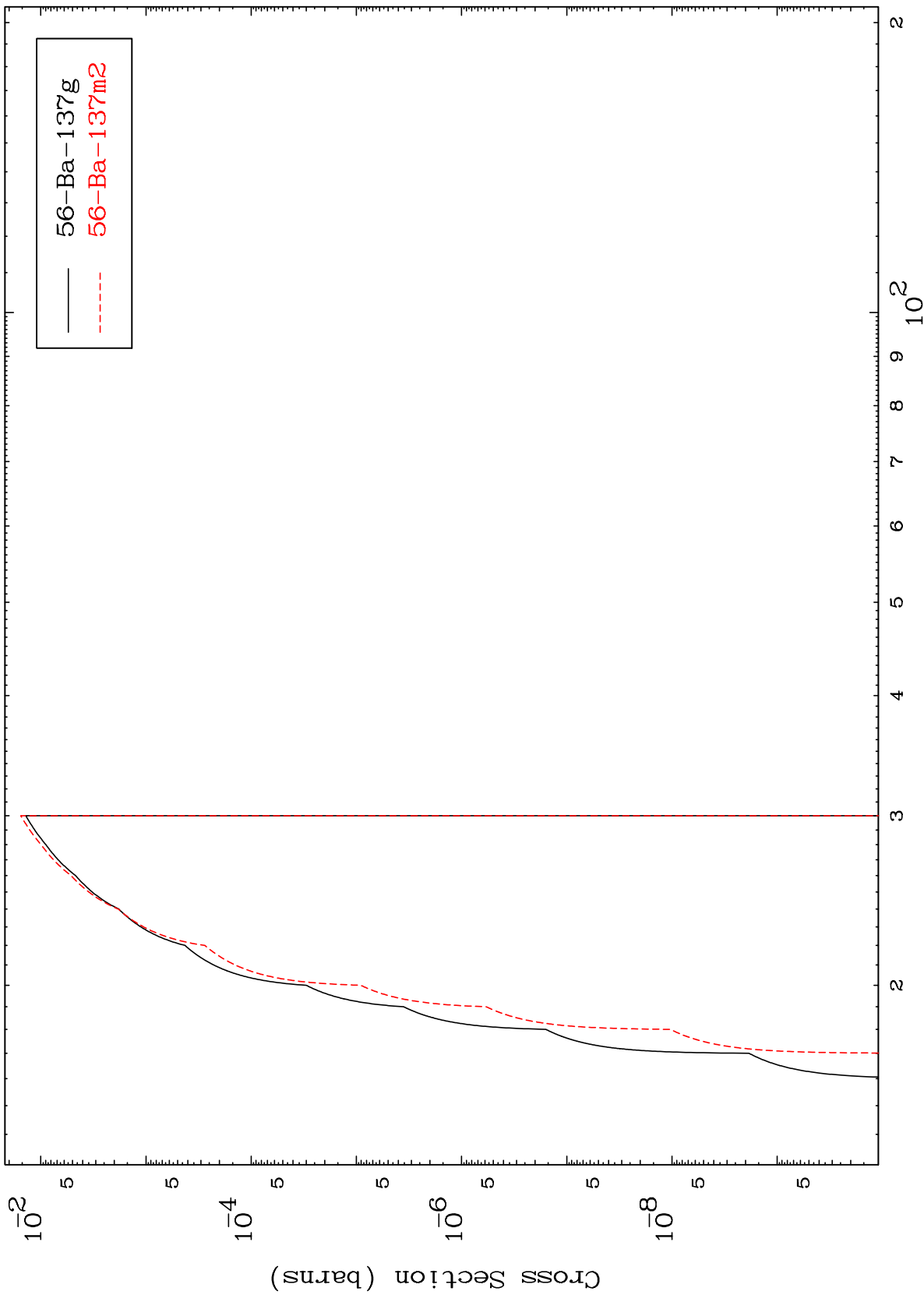


MAT 5652

(n,2n) d

56-Ba-139

Radionuclide Production Cross Section



12

Incident Energy (MeV)

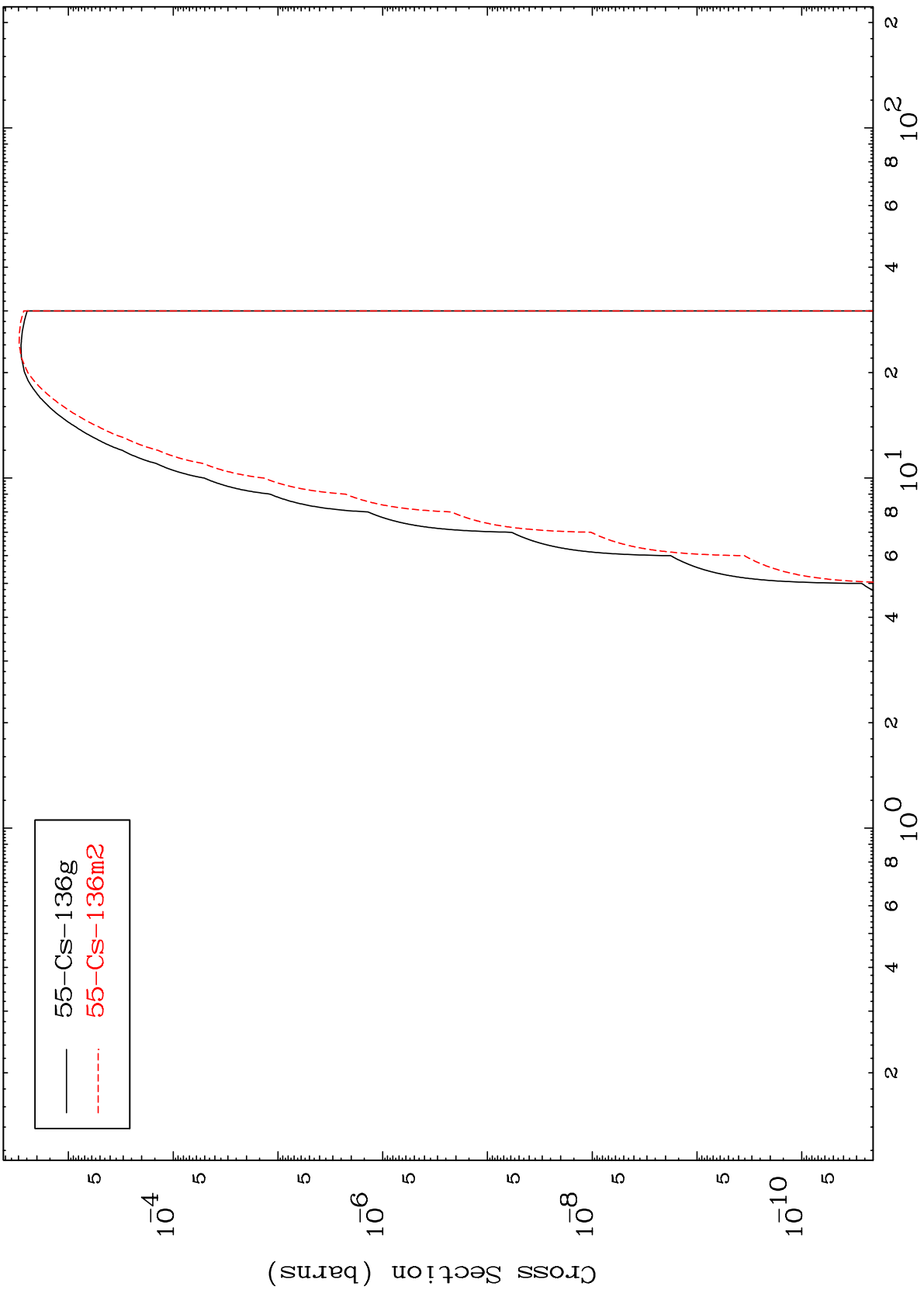
56-Ba-139

MAT 5652

(n,n') α

56-Ba-139

Radionuclide Production Cross Section



13

Incident Energy (MeV)

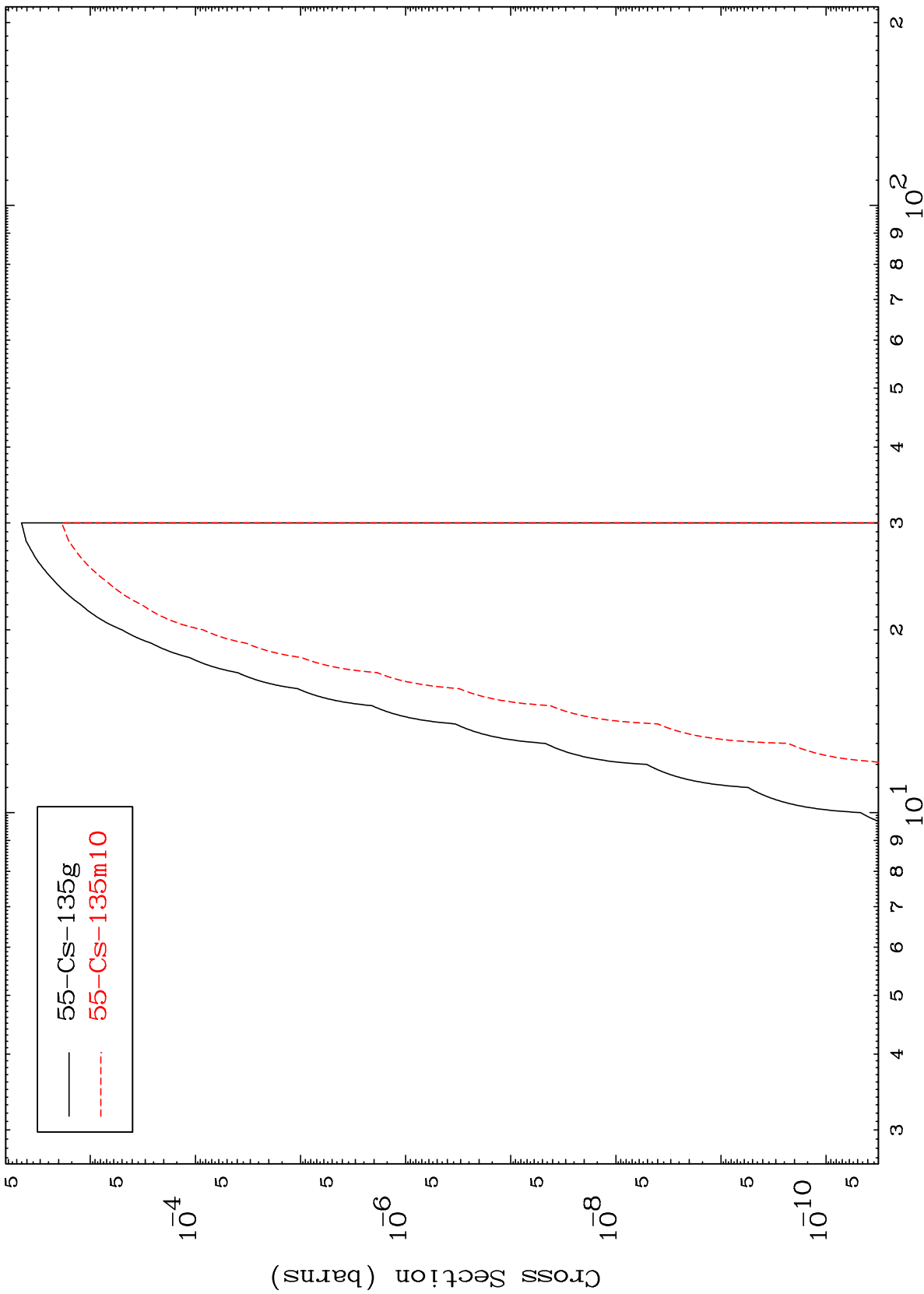
56-Ba-139

MAT 5652

(n,2n) α

56-Ba-139

Radionuclide Production Cross Section



14

Incident Energy (MeV)

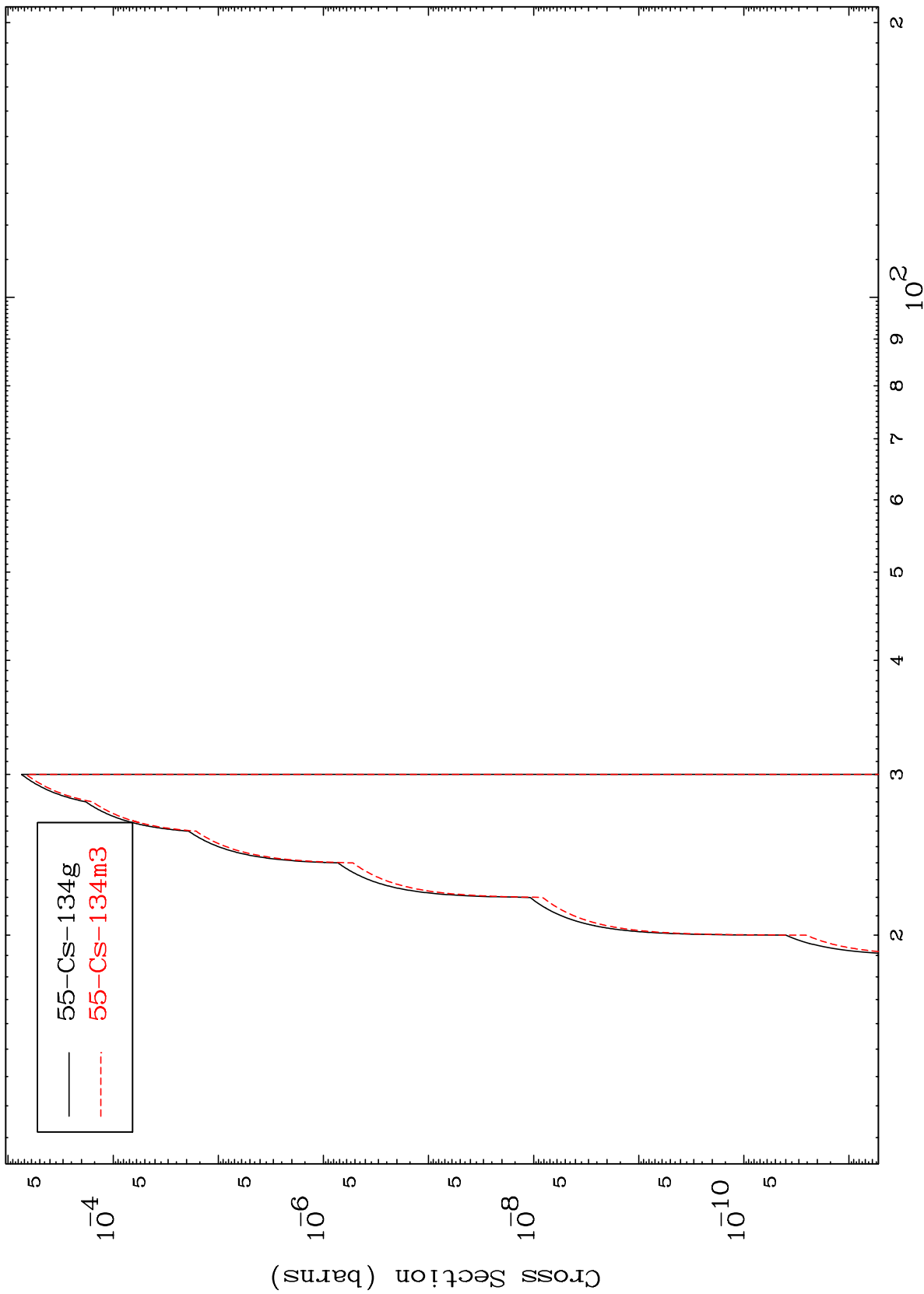
56-Ba-139

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(n,3n) α

56-Ba-139

Radionuclide Production Cross Section



15

Incident Energy (MeV)

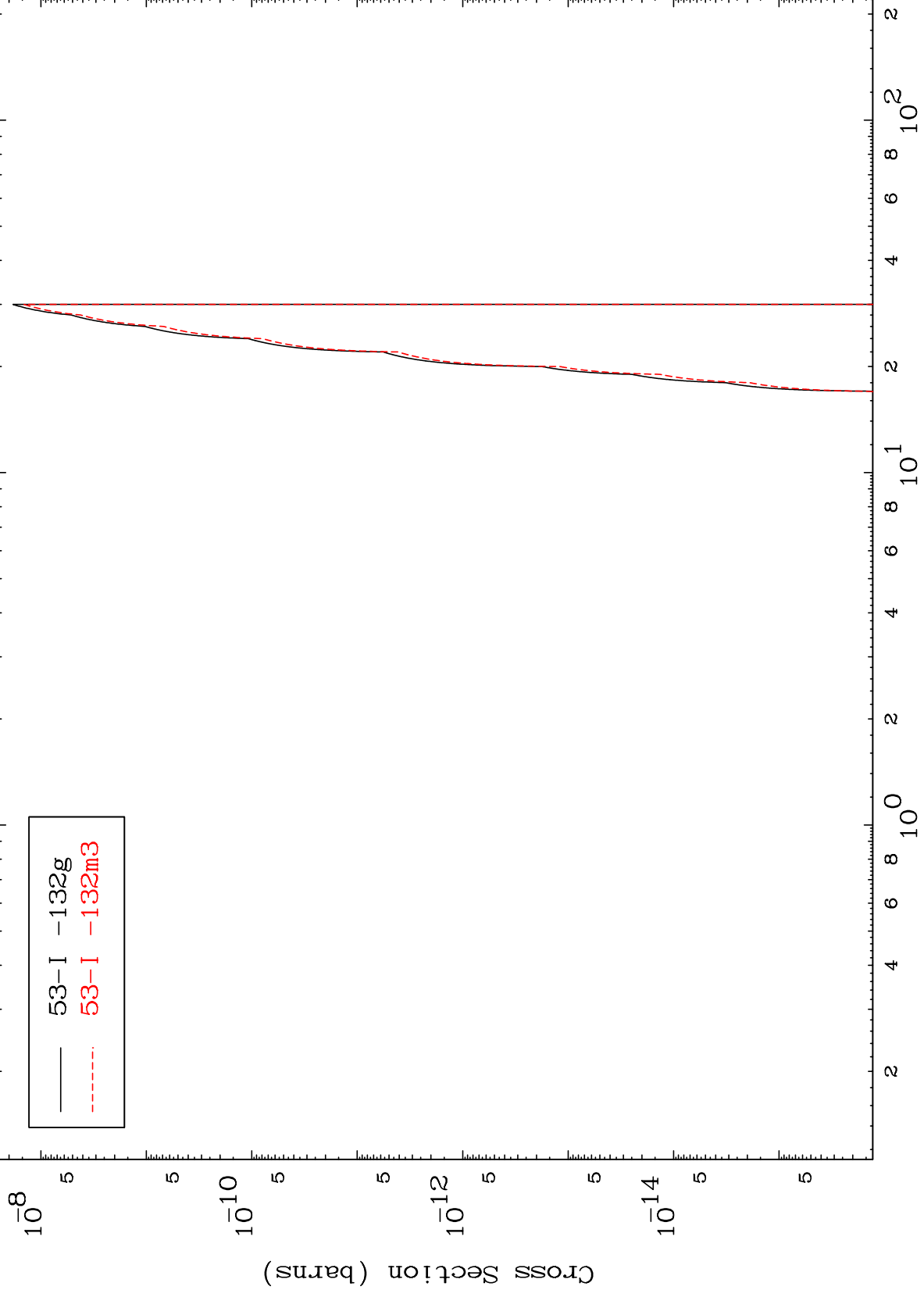
56-Ba-139

MAT 5652

(n,n') 2α

56-Ba-139

Radionuclide Production Cross Section



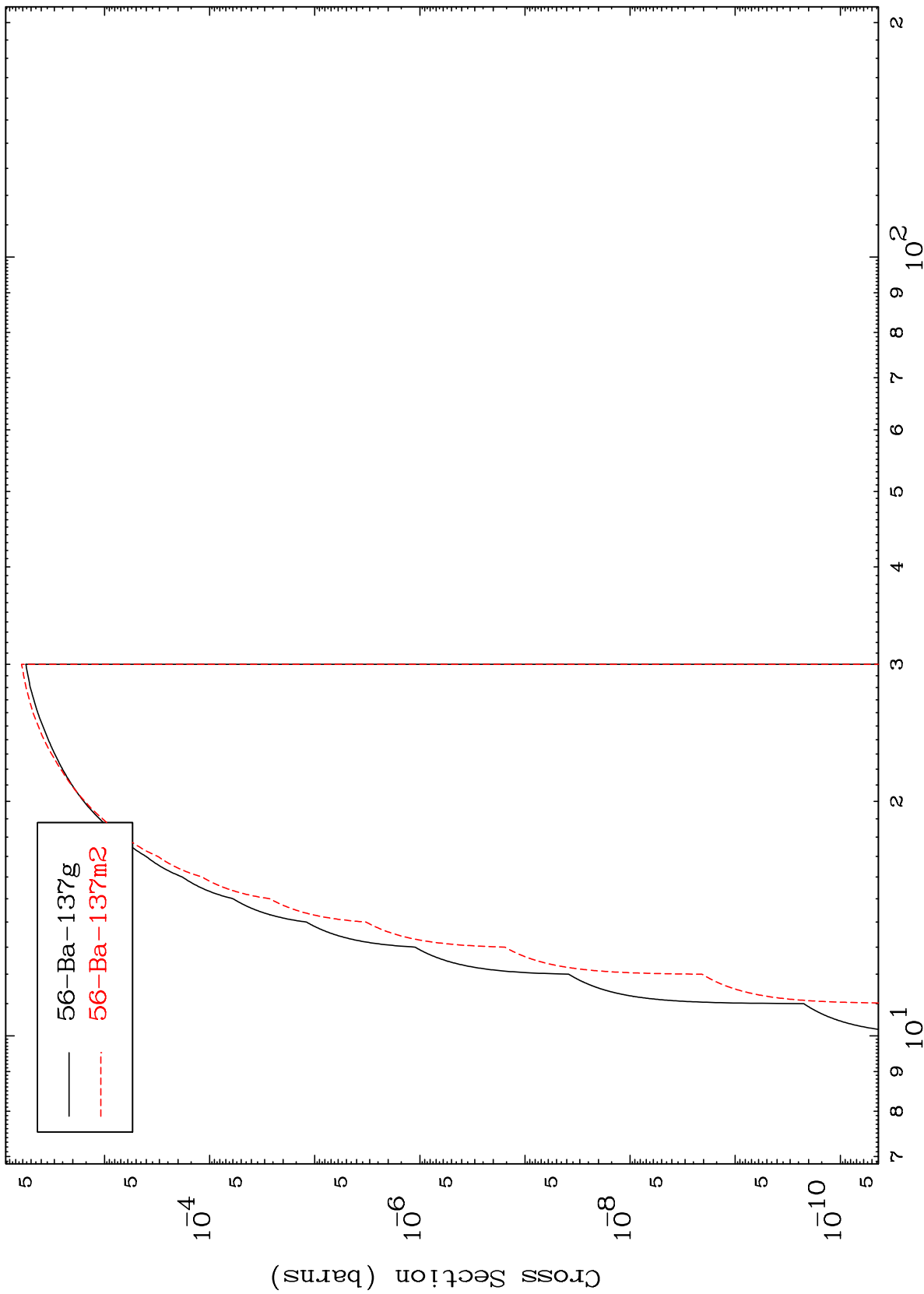
53-I -132g
53-I -132m3

MAT 5652

(n,n') t

56-Ba-139

Radionuclide Production Cross Section



17

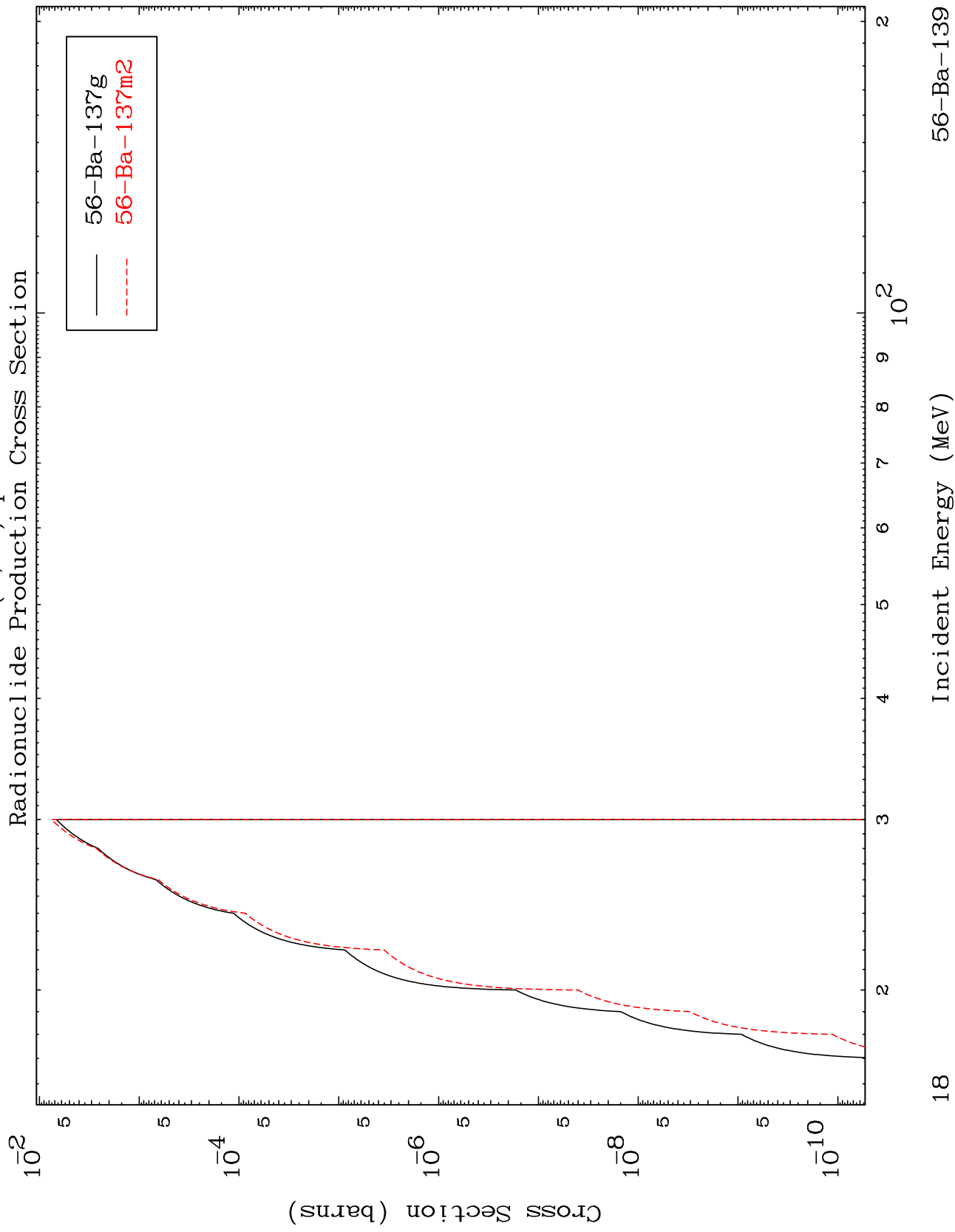
Incident Energy (MeV)

56-Ba-139

MAT 5652

(n,3n) p

56-Ba-139



18

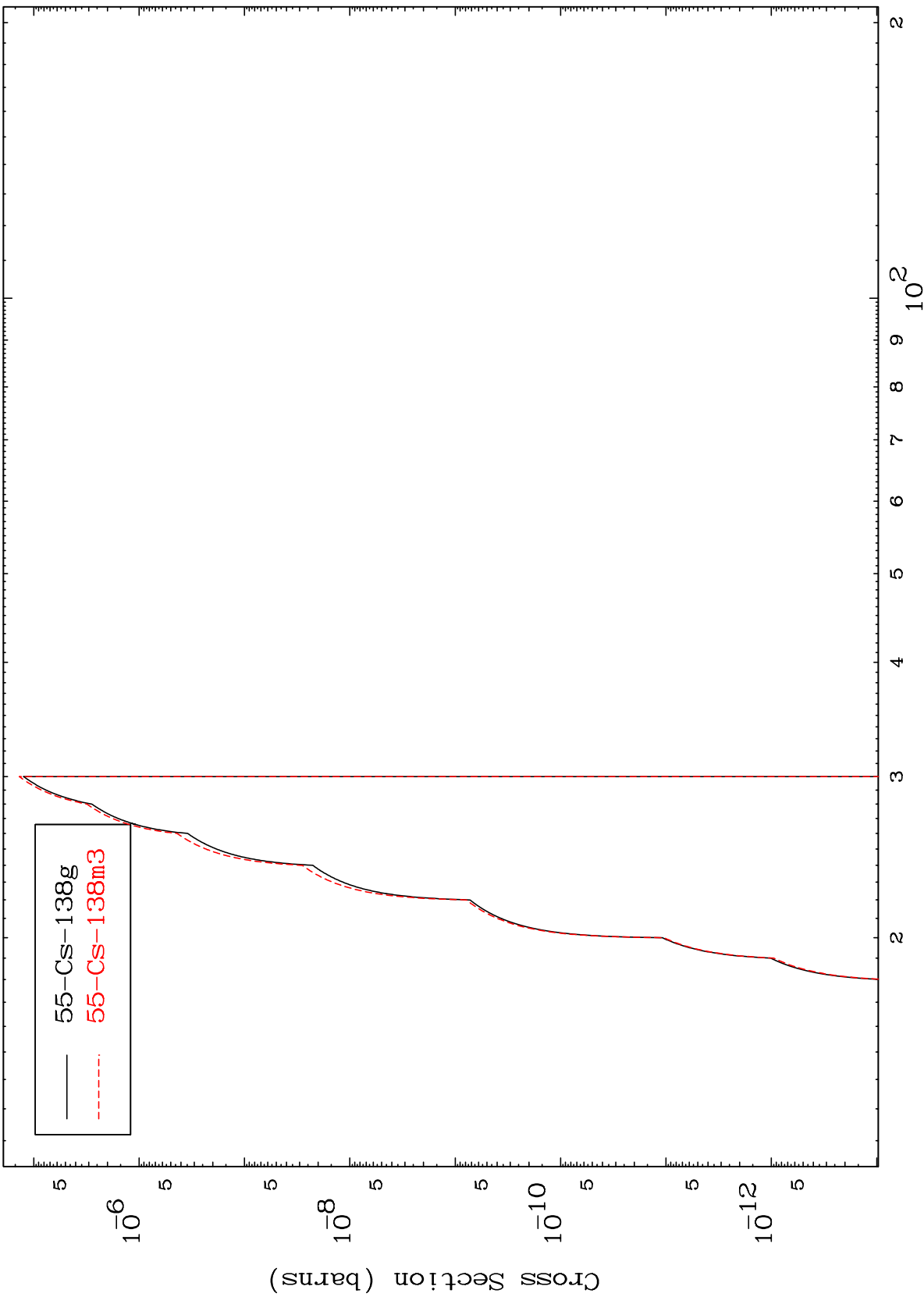
56-Ba-139

MAT 5652

(n,2n) p

56-Ba-139

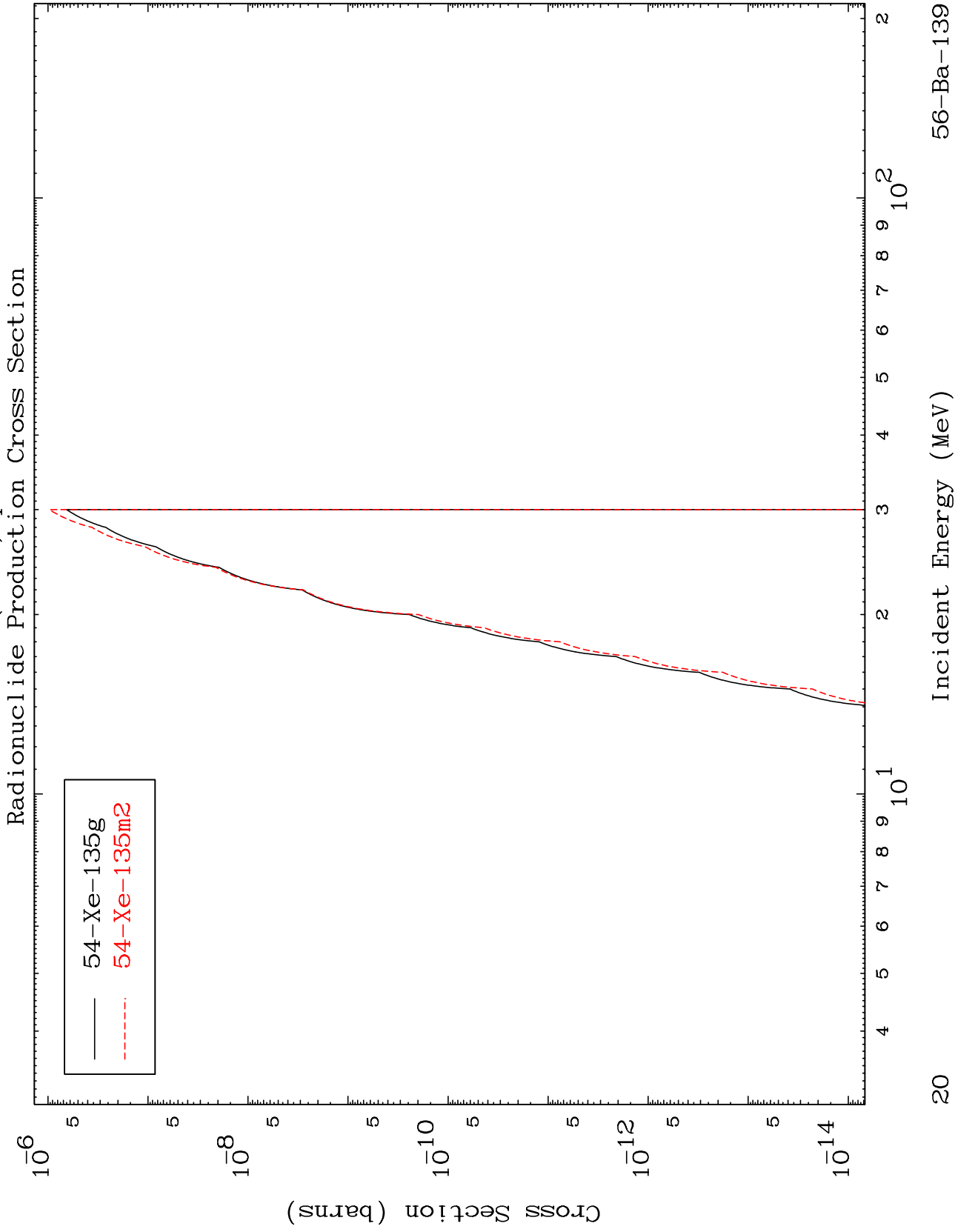
Radionuclide Production Cross Section



MAT 5652

(n,n') p α

56-Ba-139

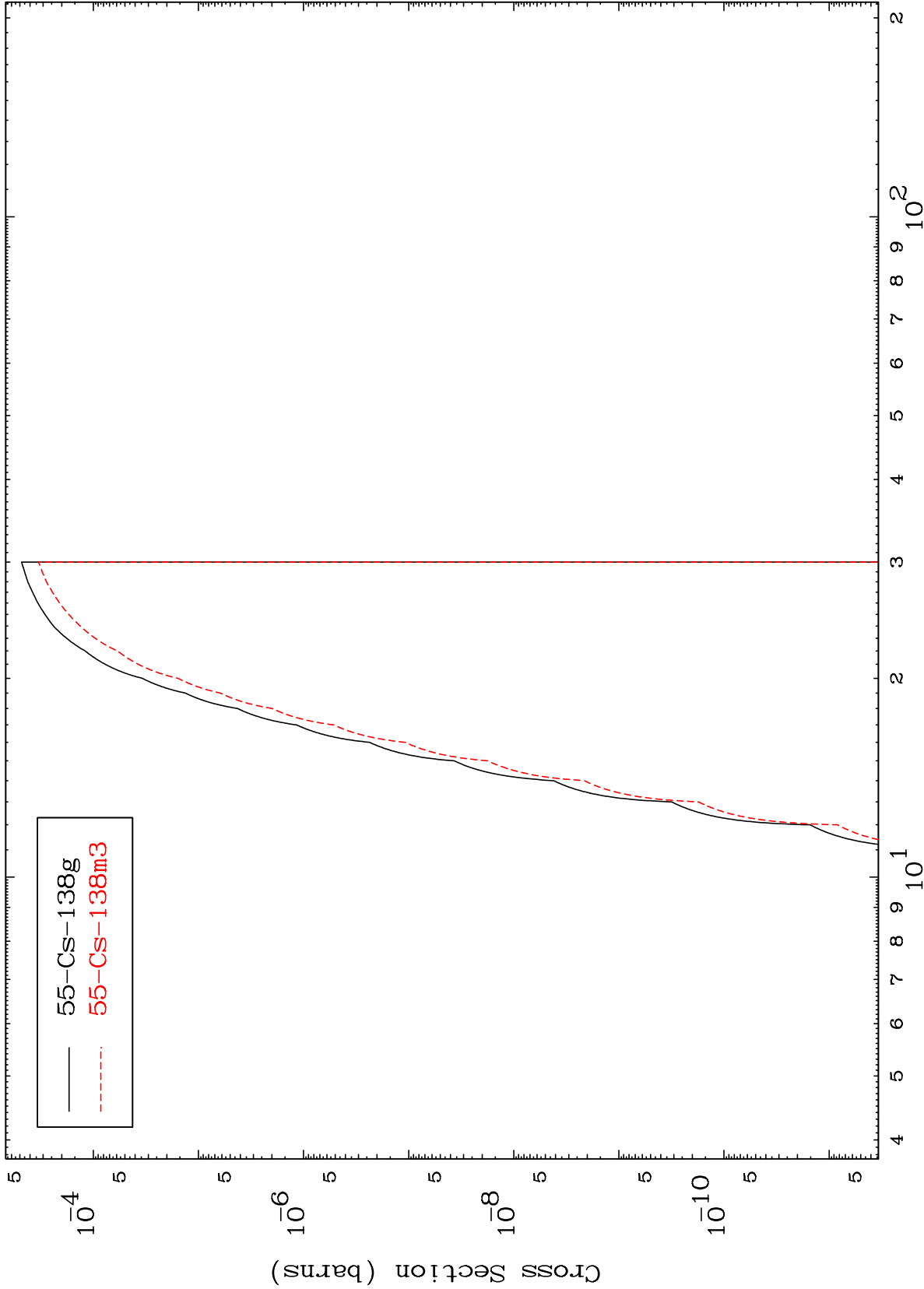


MAT 5652

(n,He-3)

56-Ba-139

Radionuclide Production Cross Section



55-Cs-138g
55-Cs-138m3

Incident Energy (MeV)

56-Ba-139

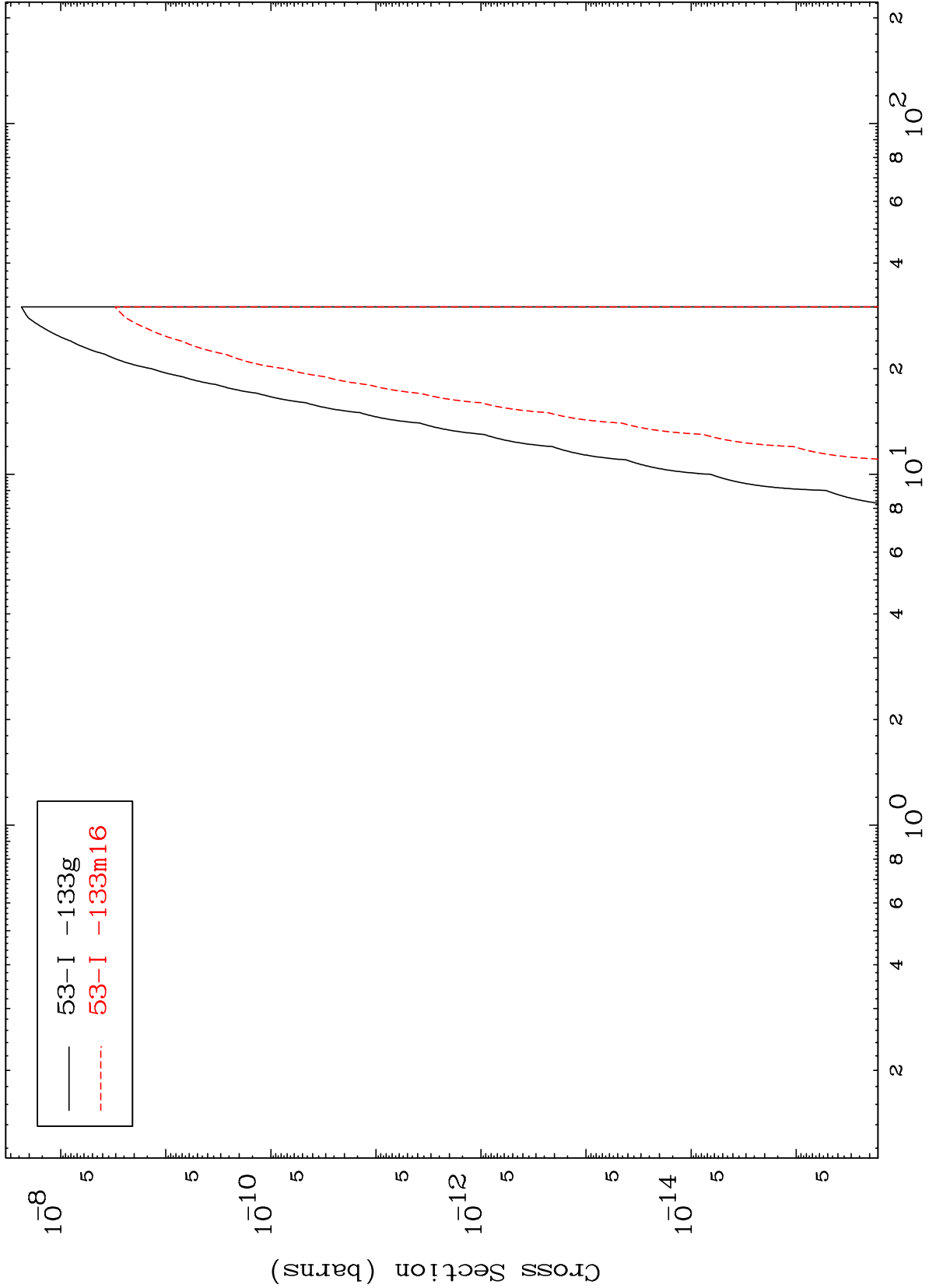
21

MAT 5652

(n,2α)

56-Ba-139

Radionuclide Production Cross Section



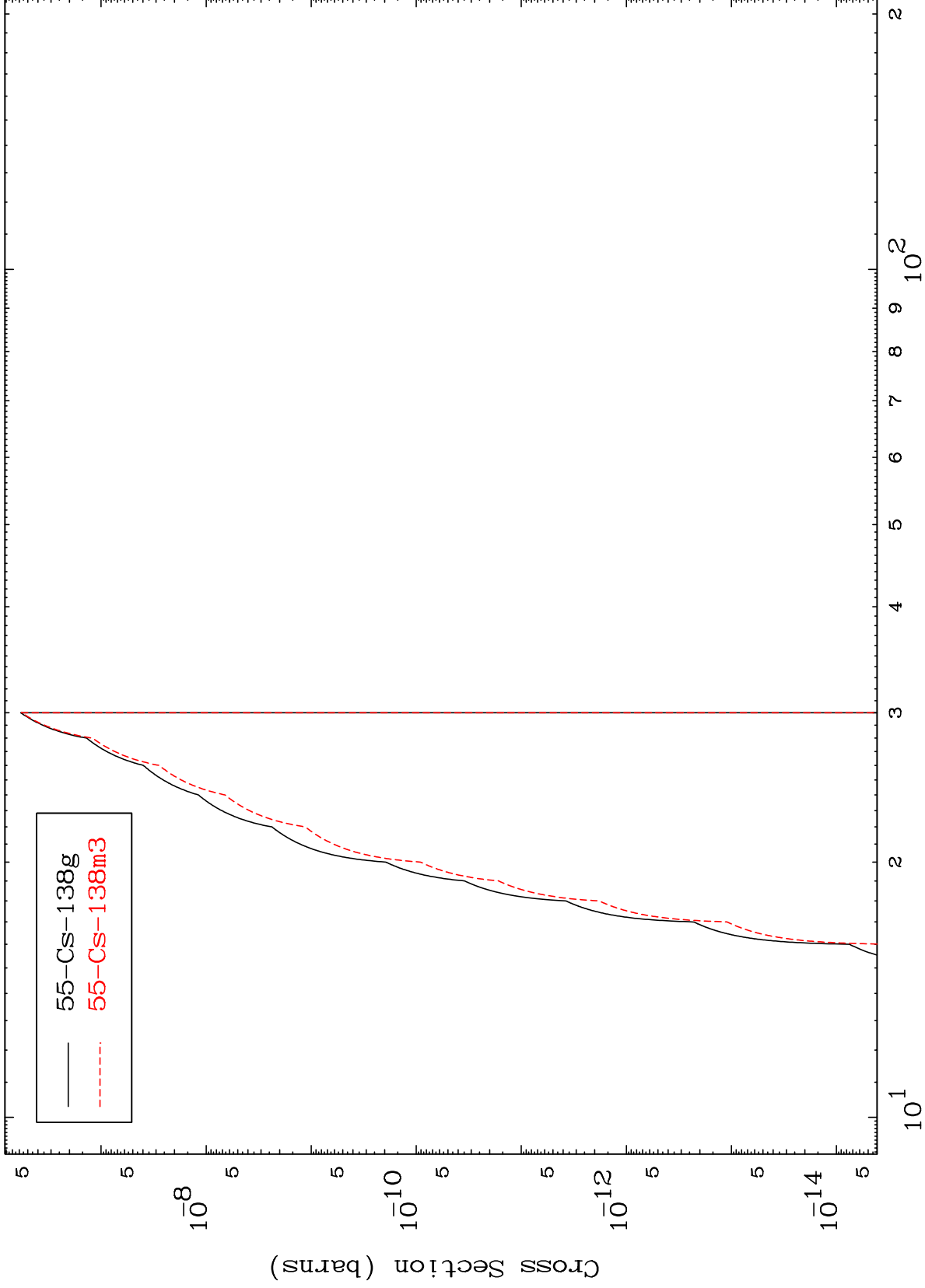
53-I-133g
53-I-133m16

MAT 5652

(n,p) d

56-Ba-139

Radionuclide Production Cross Section



23

Incident Energy (MeV)

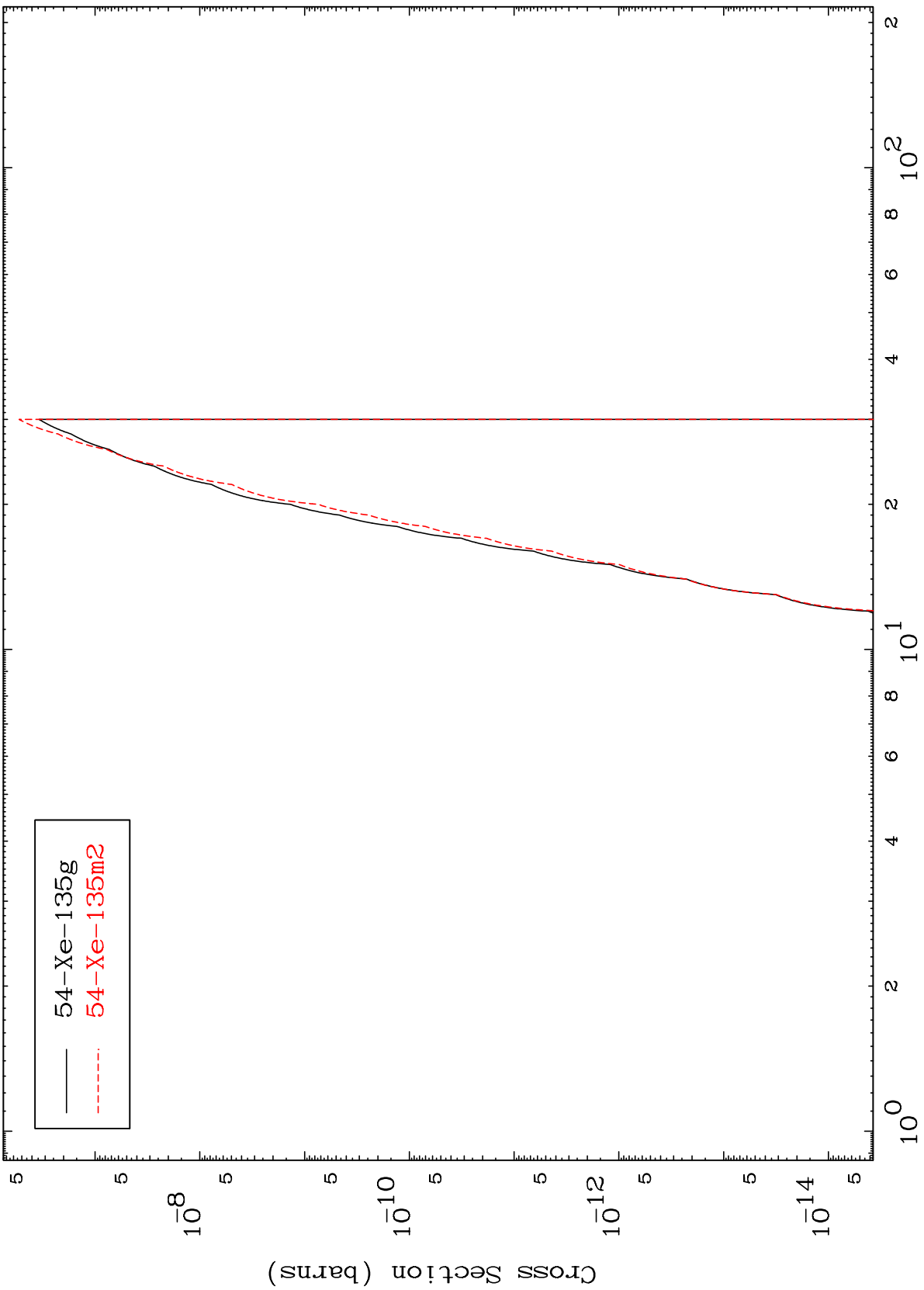
56-Ba-139

MAT 5652

(n,d) α

56-Ba-139

Radionuclide Production Cross Section



24

Incident Energy (MeV)

56-Ba-139