

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

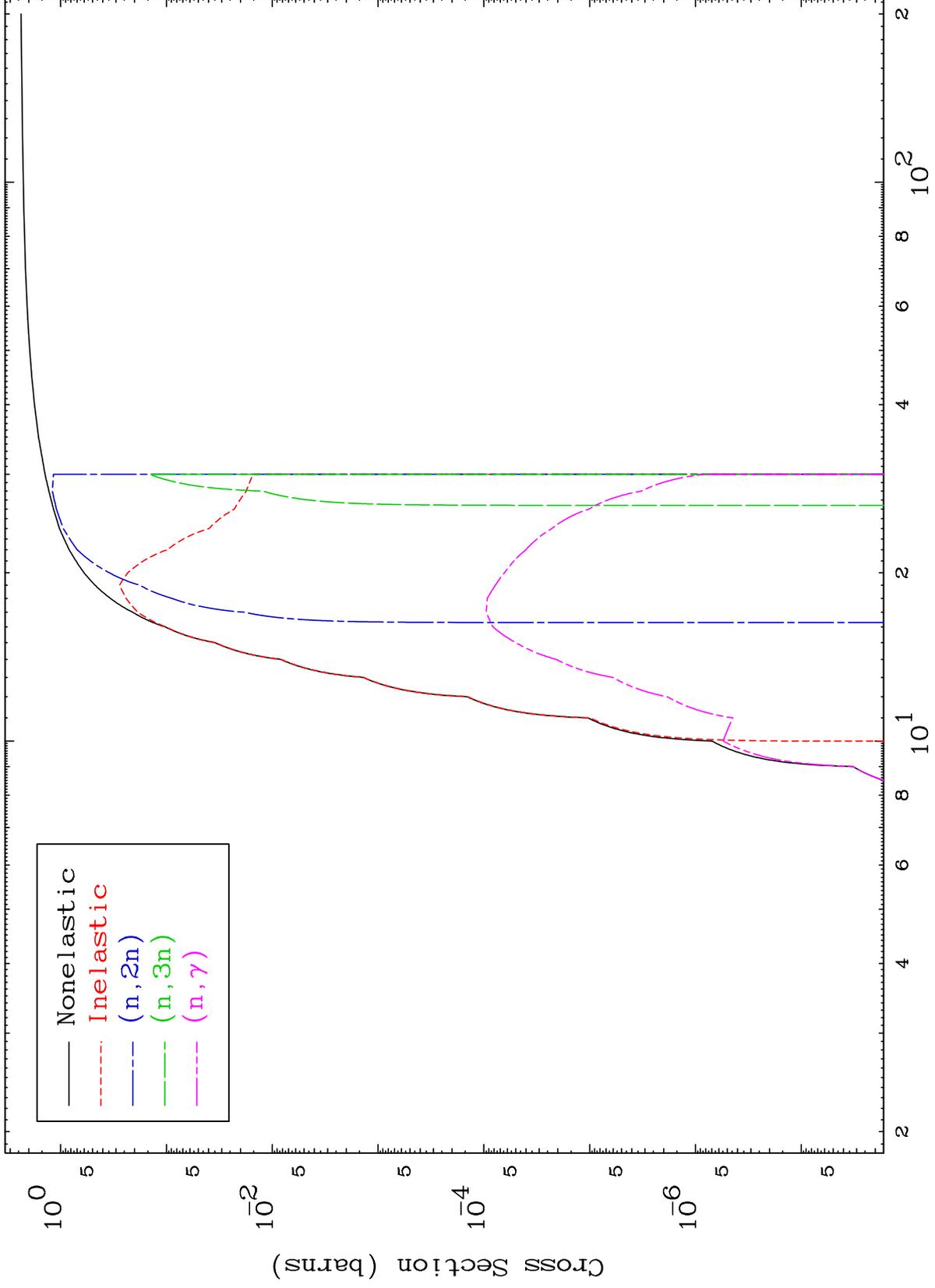
Press Mouse Button to Start

MAT 5837

0 Kelvin Cross Sections

α Major

58-Ce-140



1

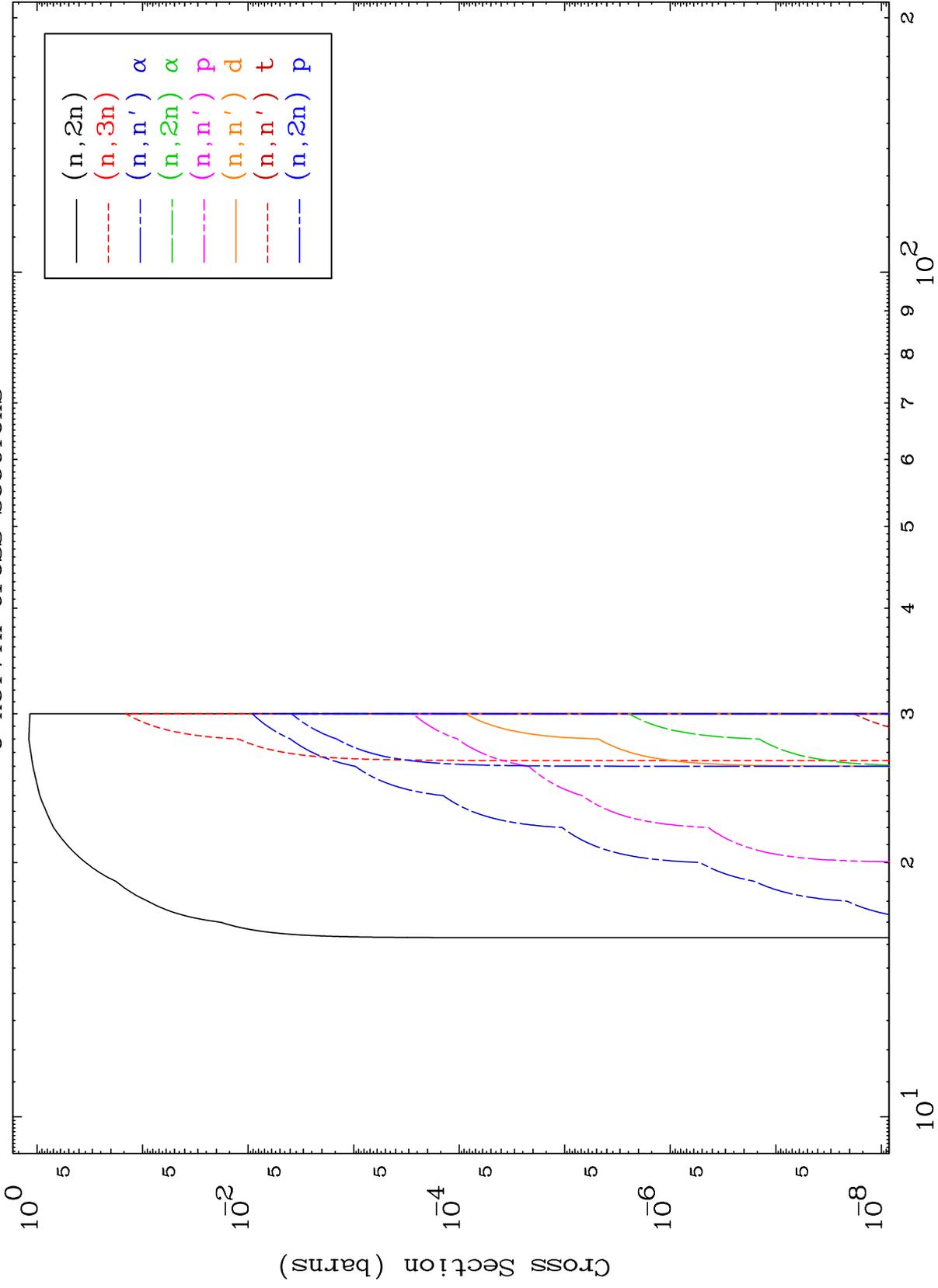
Incident Energy (MeV)

58-Ce-140

MAT 5837

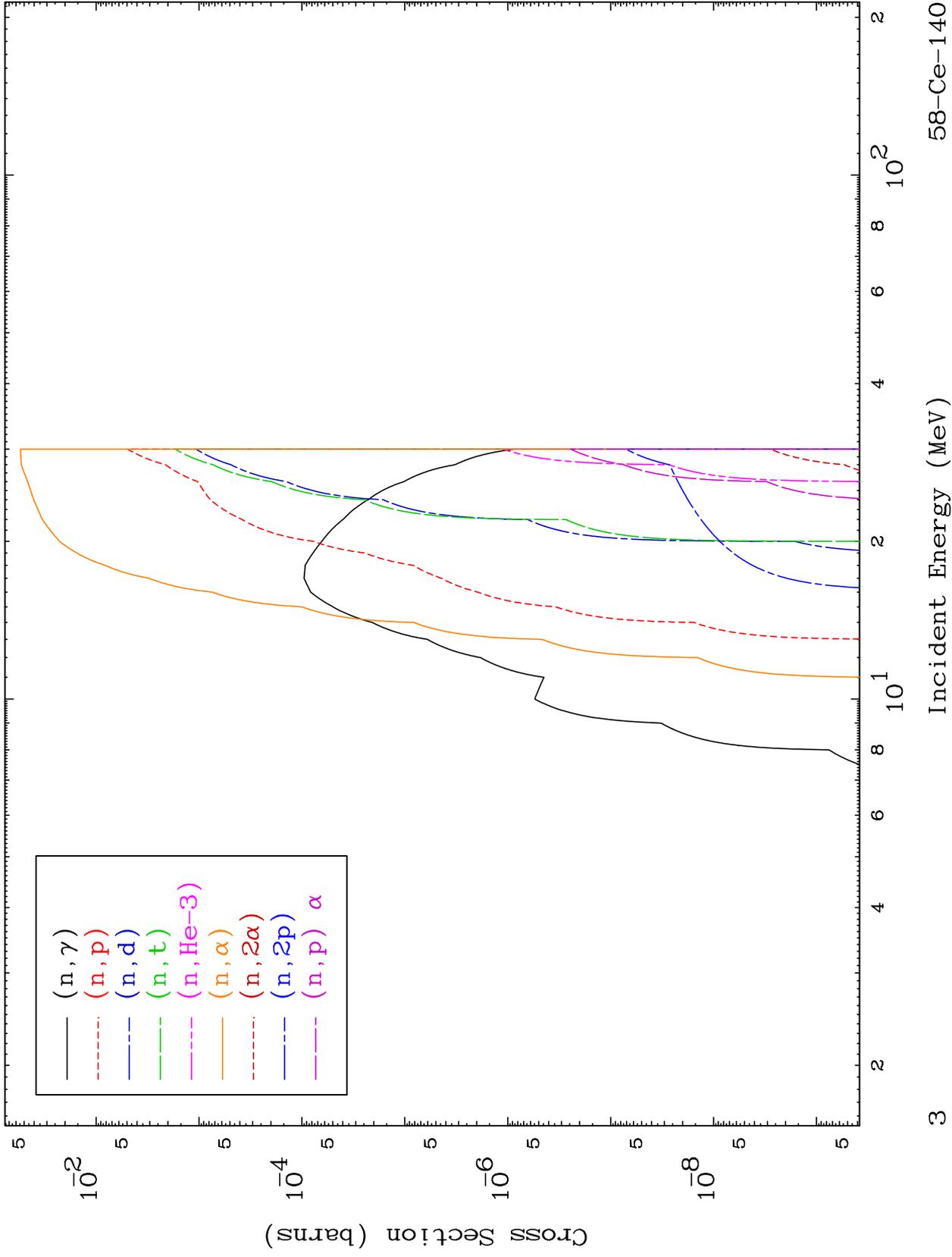
α Neutron Absorption
0 Kelvin Cross Sections

58-Ce-140



Incident Energy (MeV)

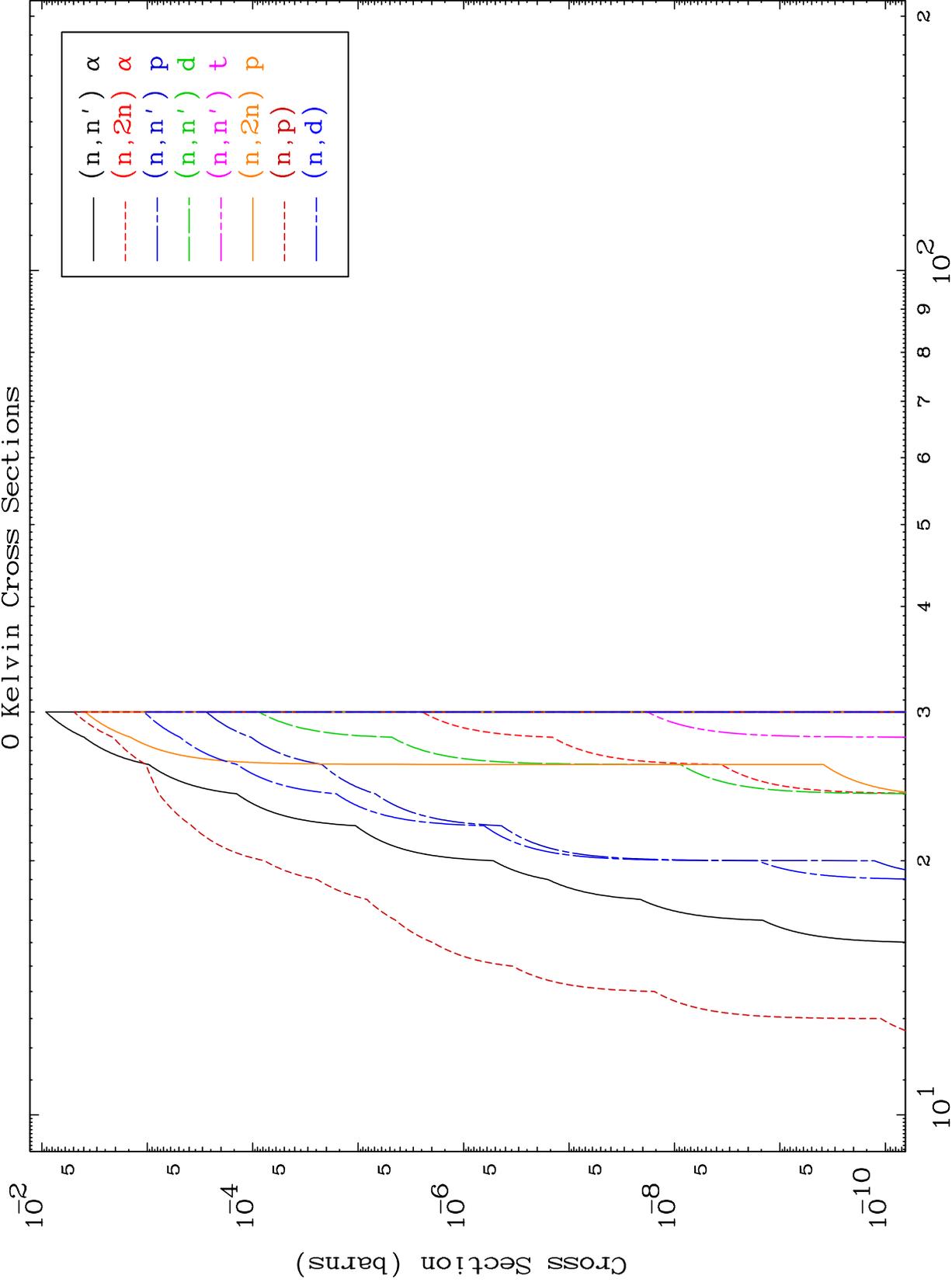
58-Ce-140



MAT 5837

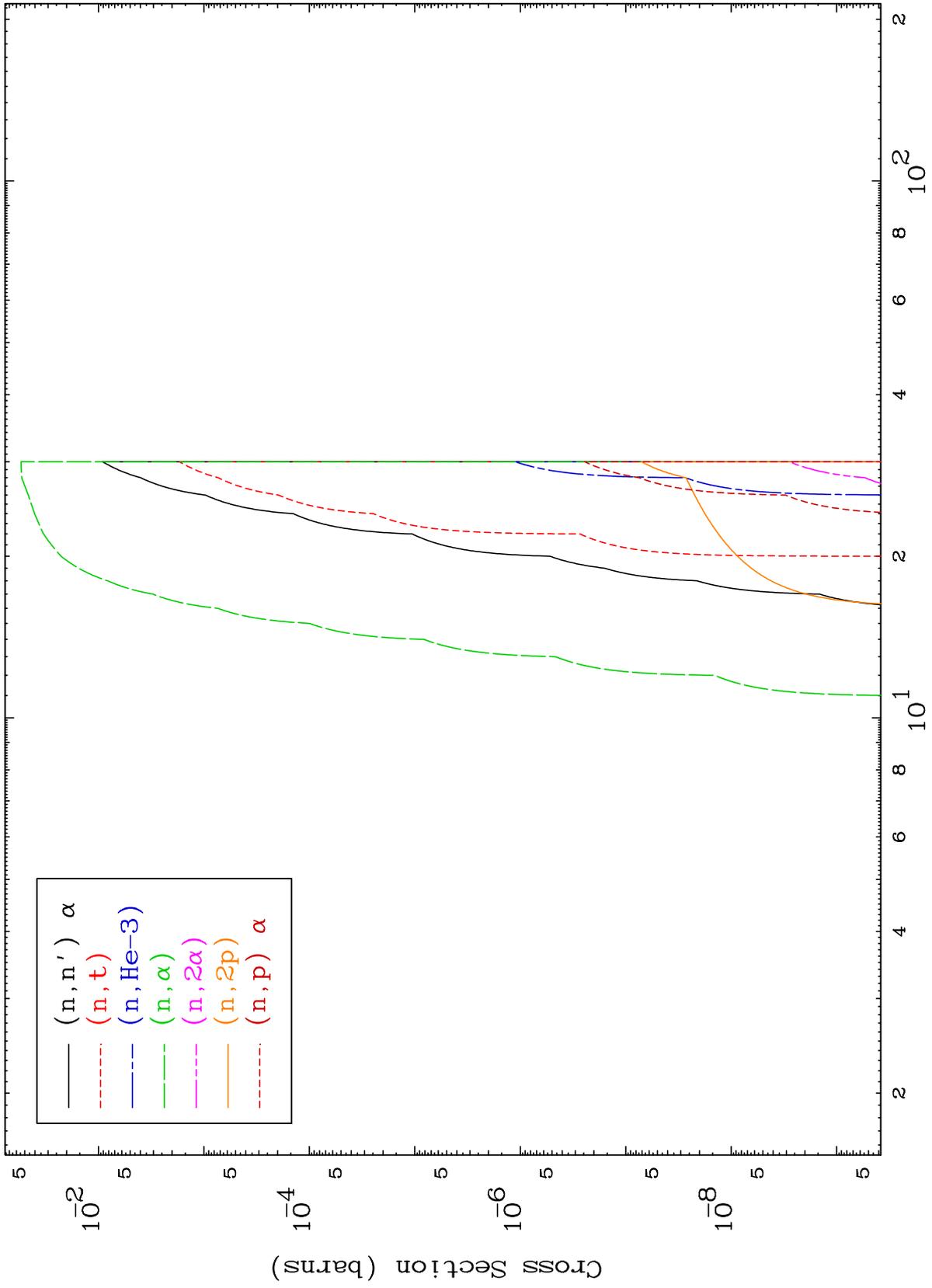
α Charged Particle
0 Kelvin Cross Sections

58-Ce-140



Incident Energy (MeV)

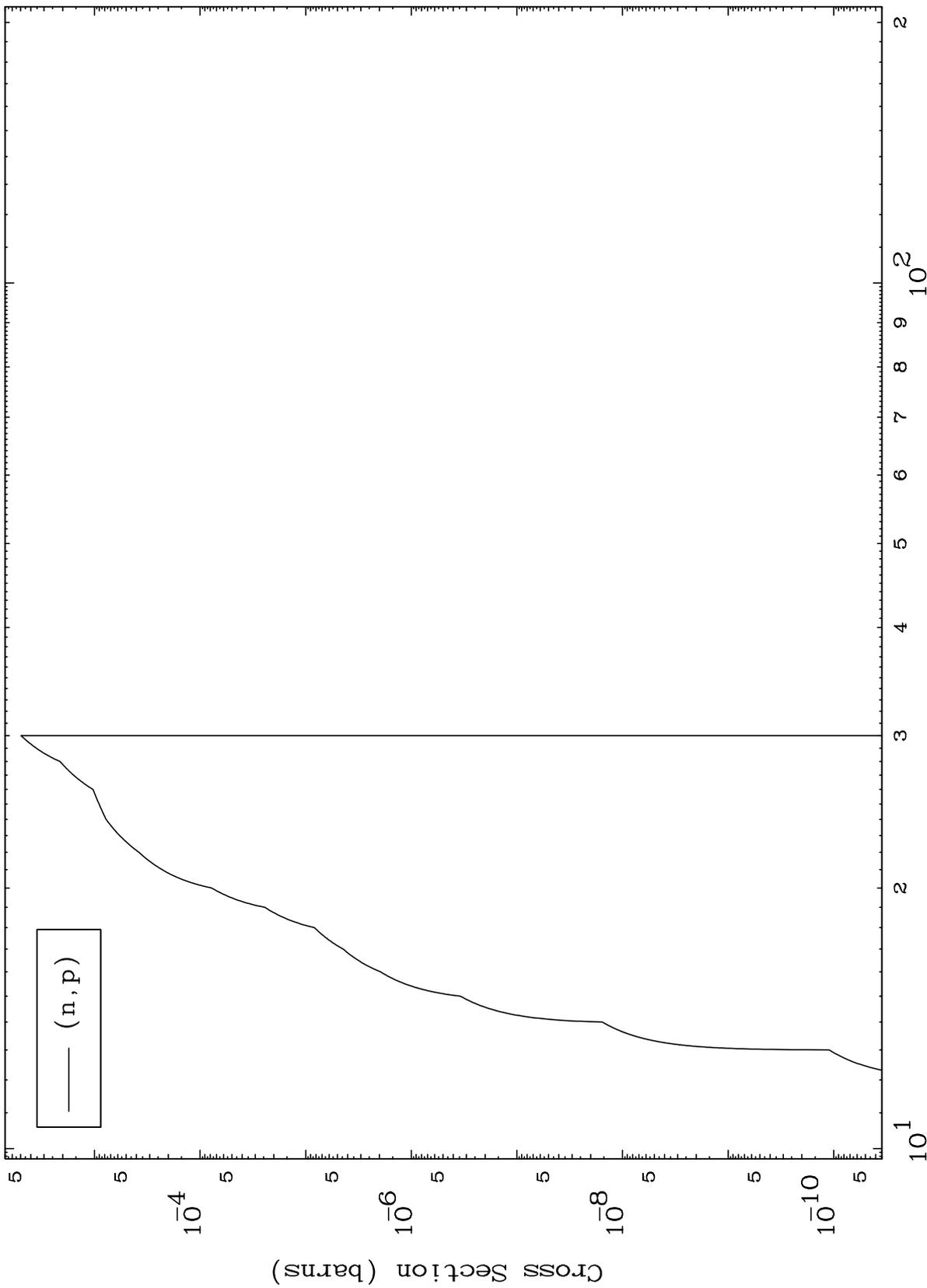
58-Ce-140



MAT 5837

(α, p) Levels
0 Kelvin Cross Sections

58-Ce-140



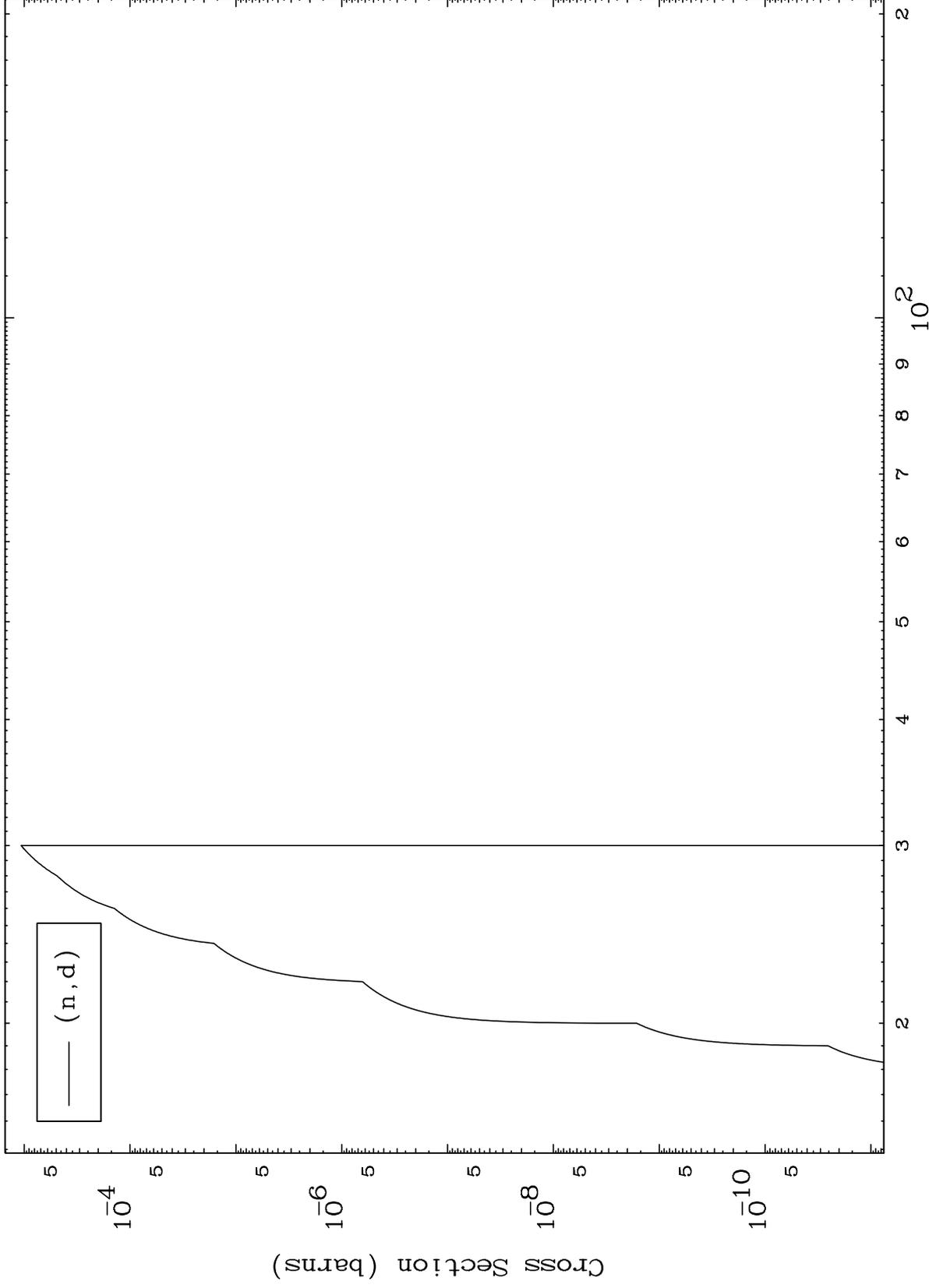
58-Ce-140

Incident Energy (MeV)

MAT 5837

(α, d) Levels
0 Kelvin Cross Sections

58-Ce-140



7

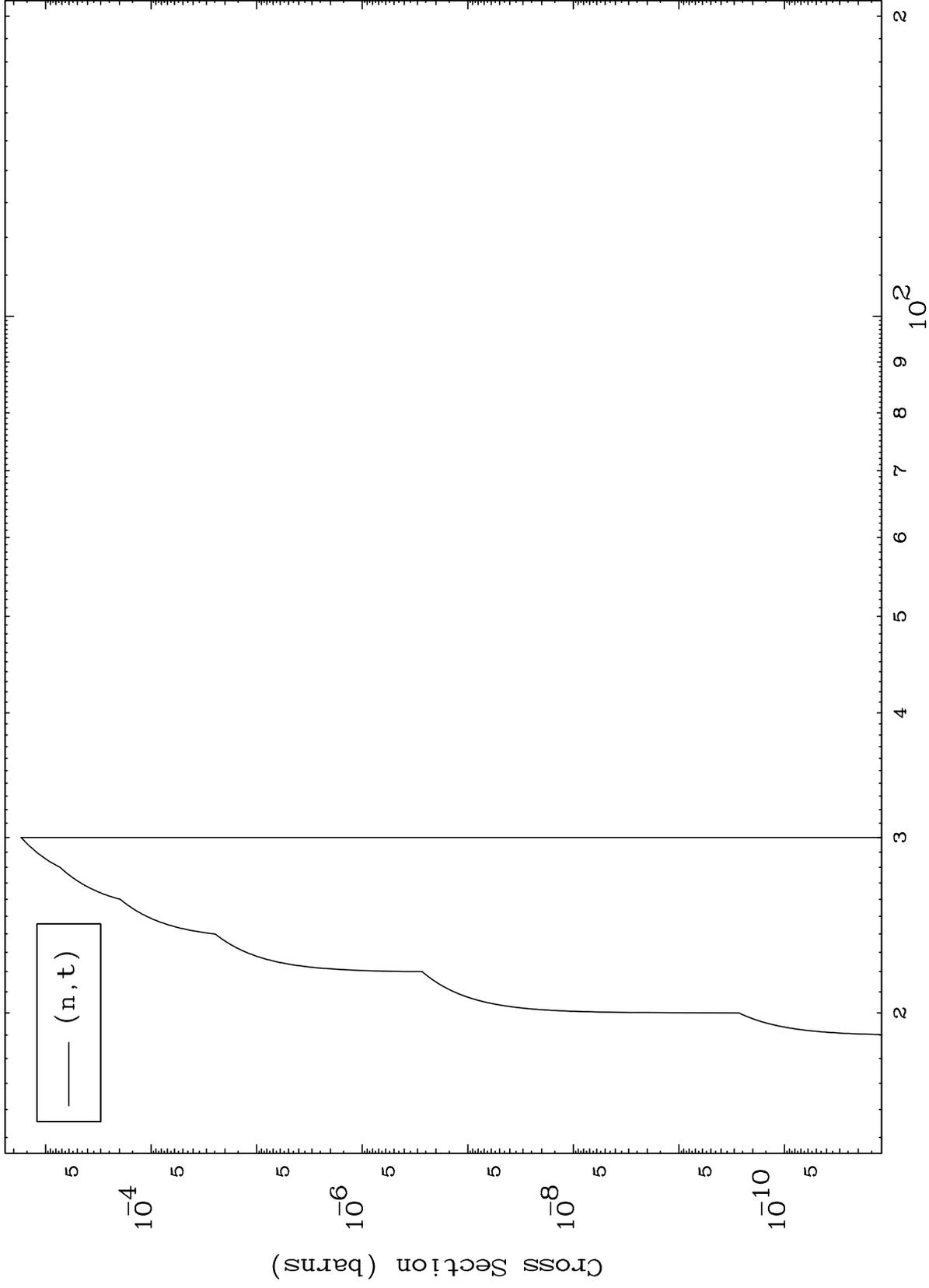
Incident Energy (MeV)

58-Ce-140

MAT 5837

(α, t) Levels
0 Kelvin Cross Sections

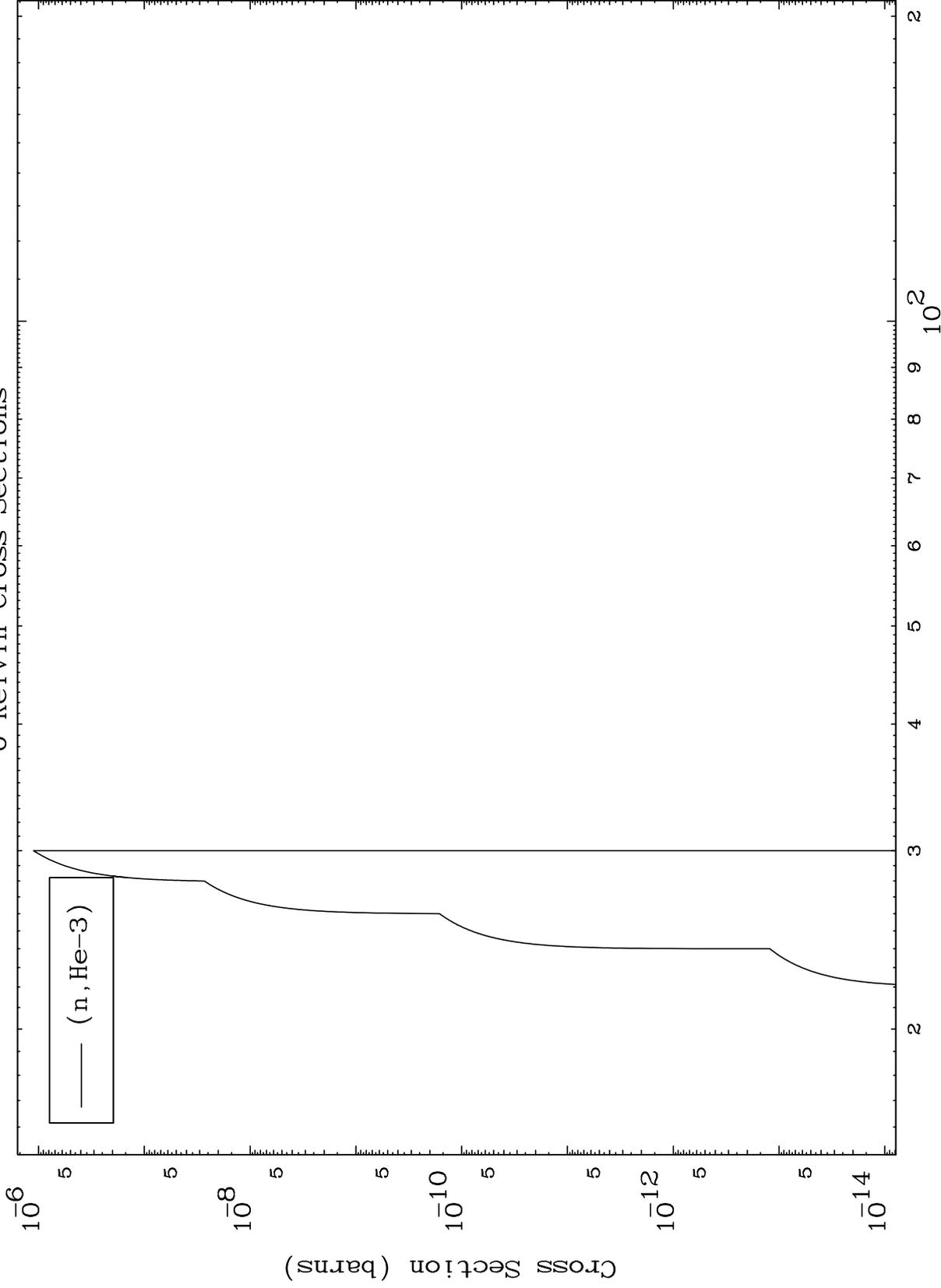
58-Ce-140



8

Incident Energy (MeV)

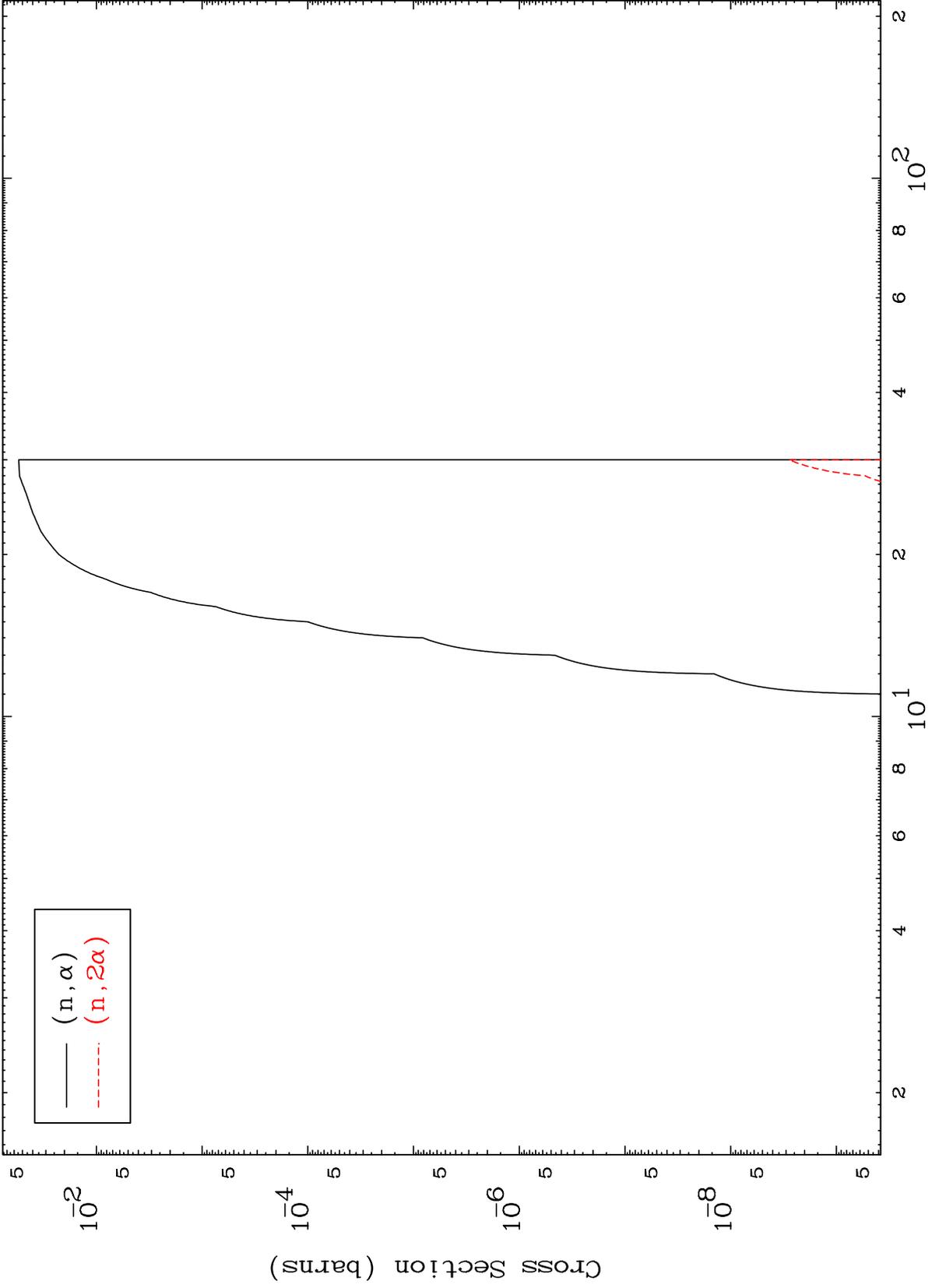
58-Ce-140



MAT 5837

(α, α) Levels
0 Kelvin Cross Sections

58-Ce-140



10

Incident Energy (MeV)

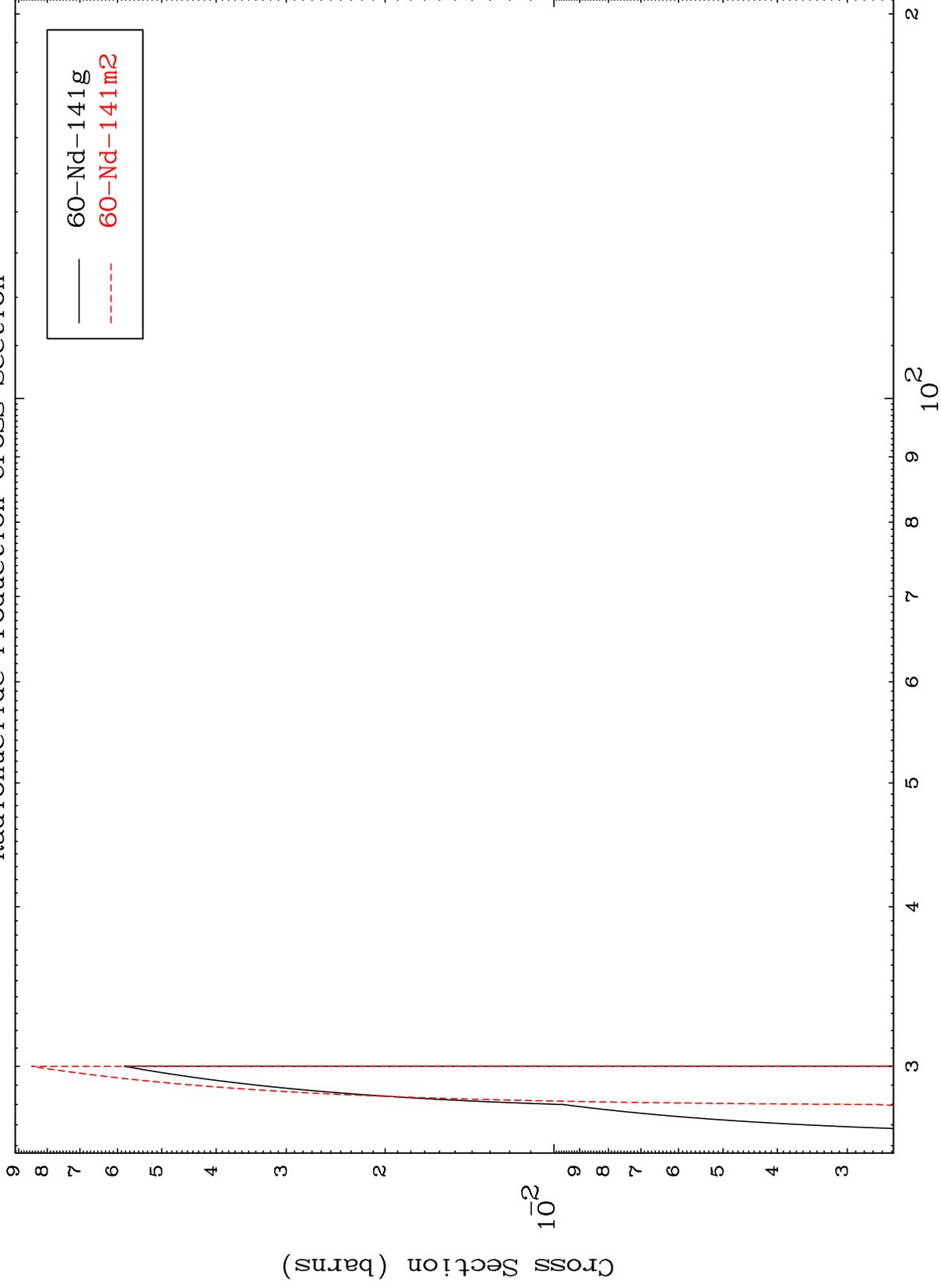
58-Ce-140

MAT 5837

(n,3n)

58-Ce-140

Radionuclide Production Cross Section



11

Incident Energy (MeV)

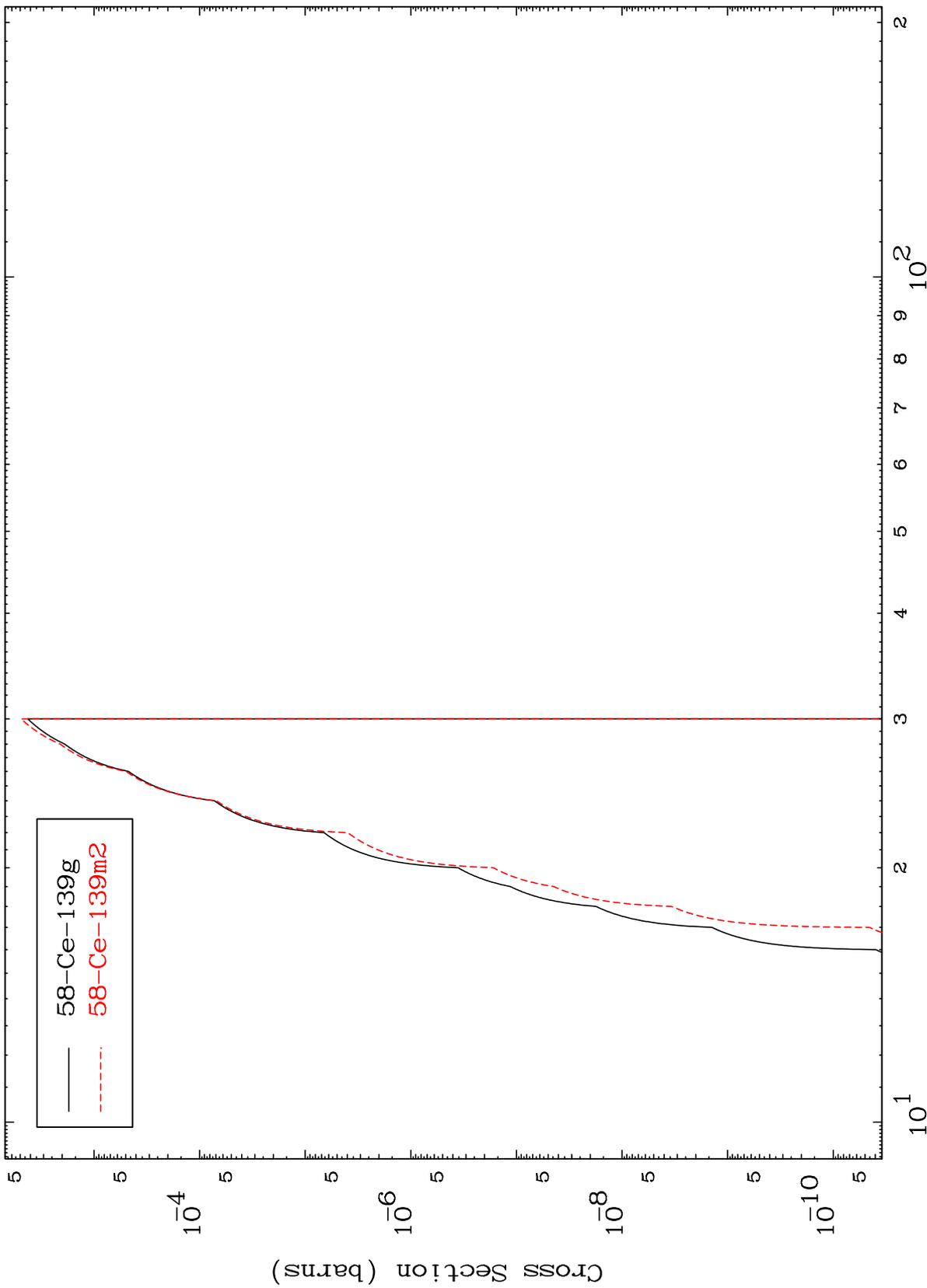
58-Ce-140

MAT 5837

(n,n') α

58-Ce-140

Radionuclide Production Cross Section



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

Incident Energy (MeV)

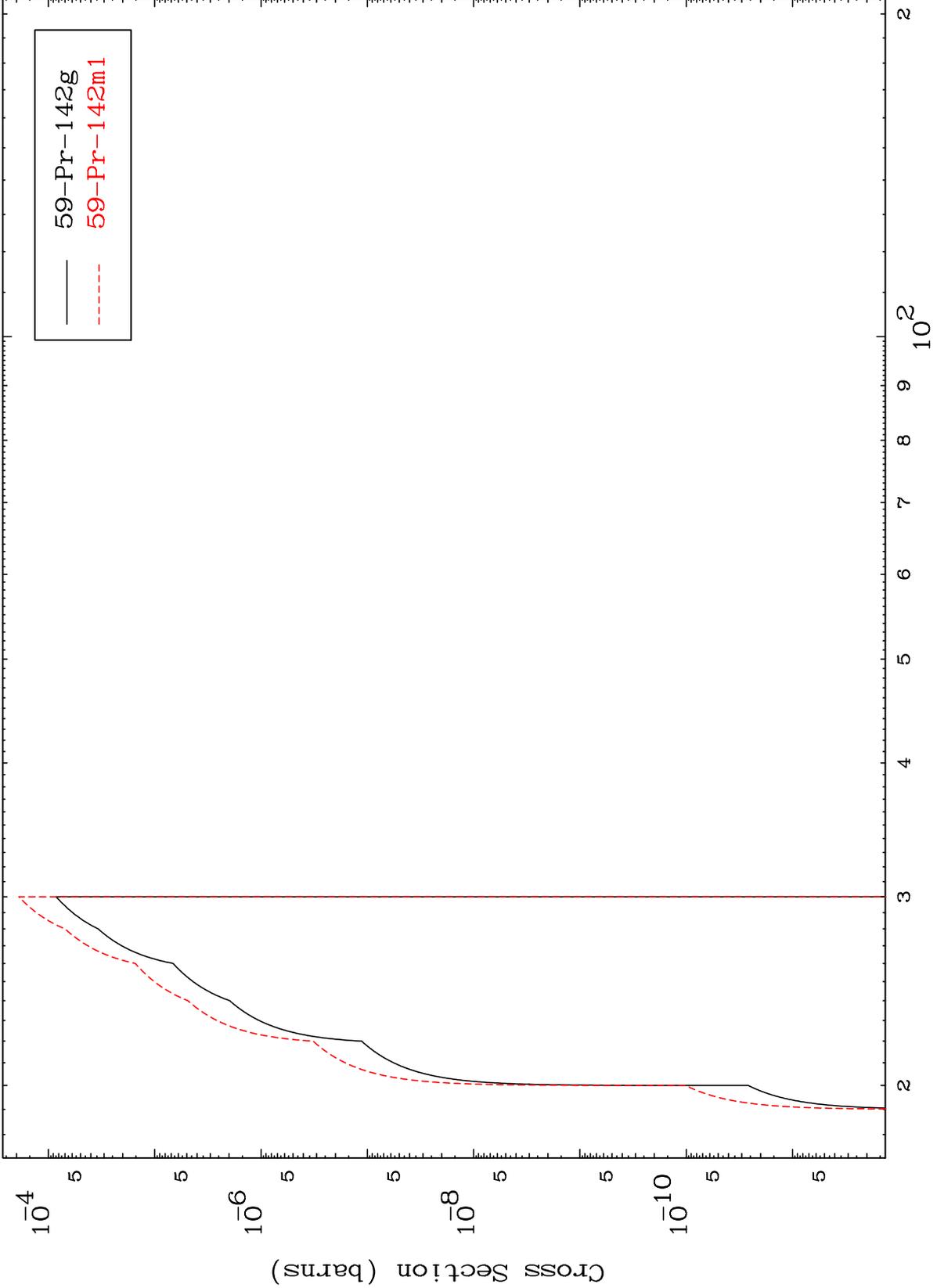
58-Ce-140

MAT 5837

(n,n') p

58-Ce-140

Radionuclide Production Cross Section



13

Incident Energy (MeV)

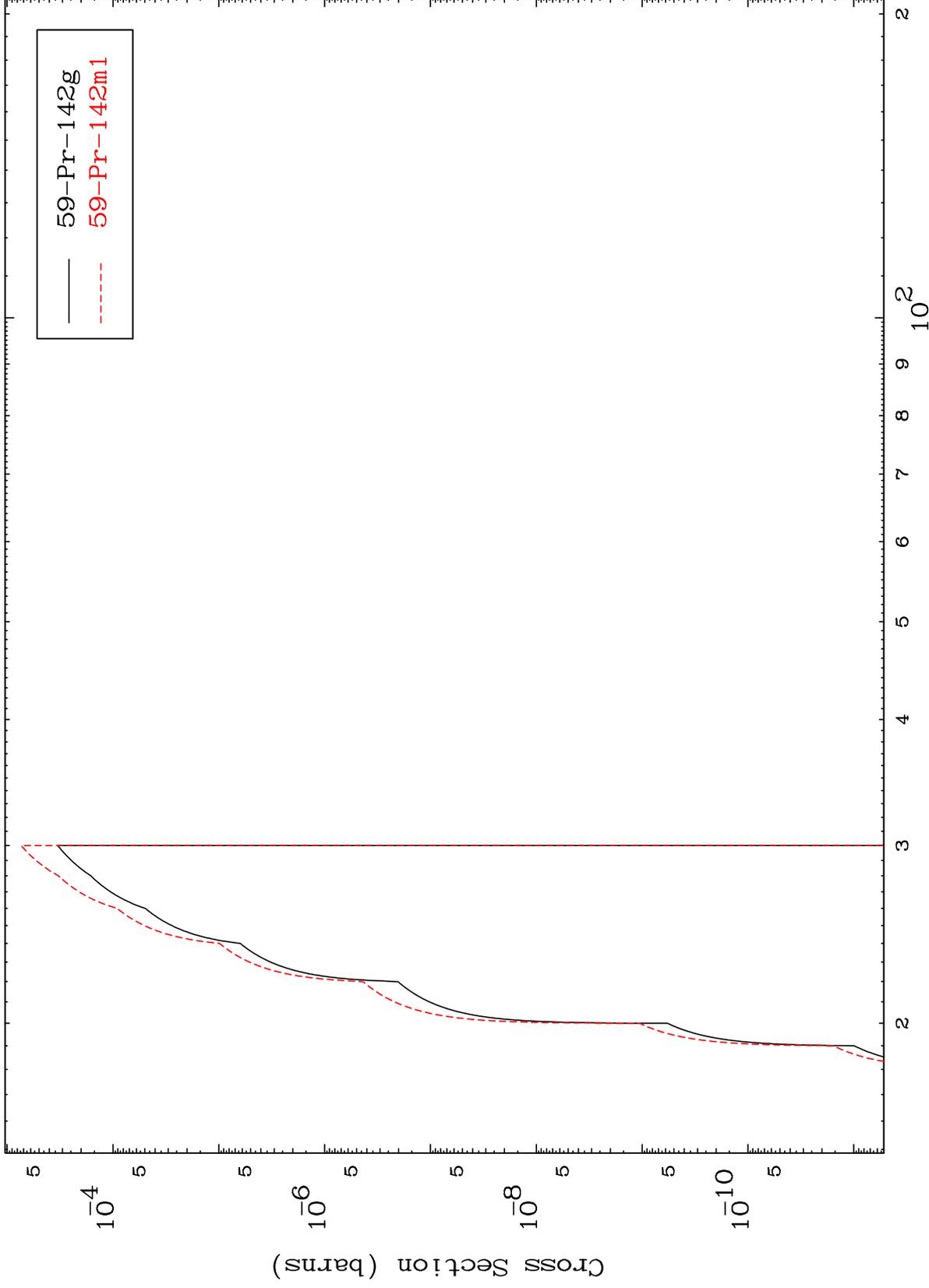
58-Ce-140

MAT 5837

(n,d)

58-Ce-140

Radionuclide Production Cross Section



14

Incident Energy (MeV)

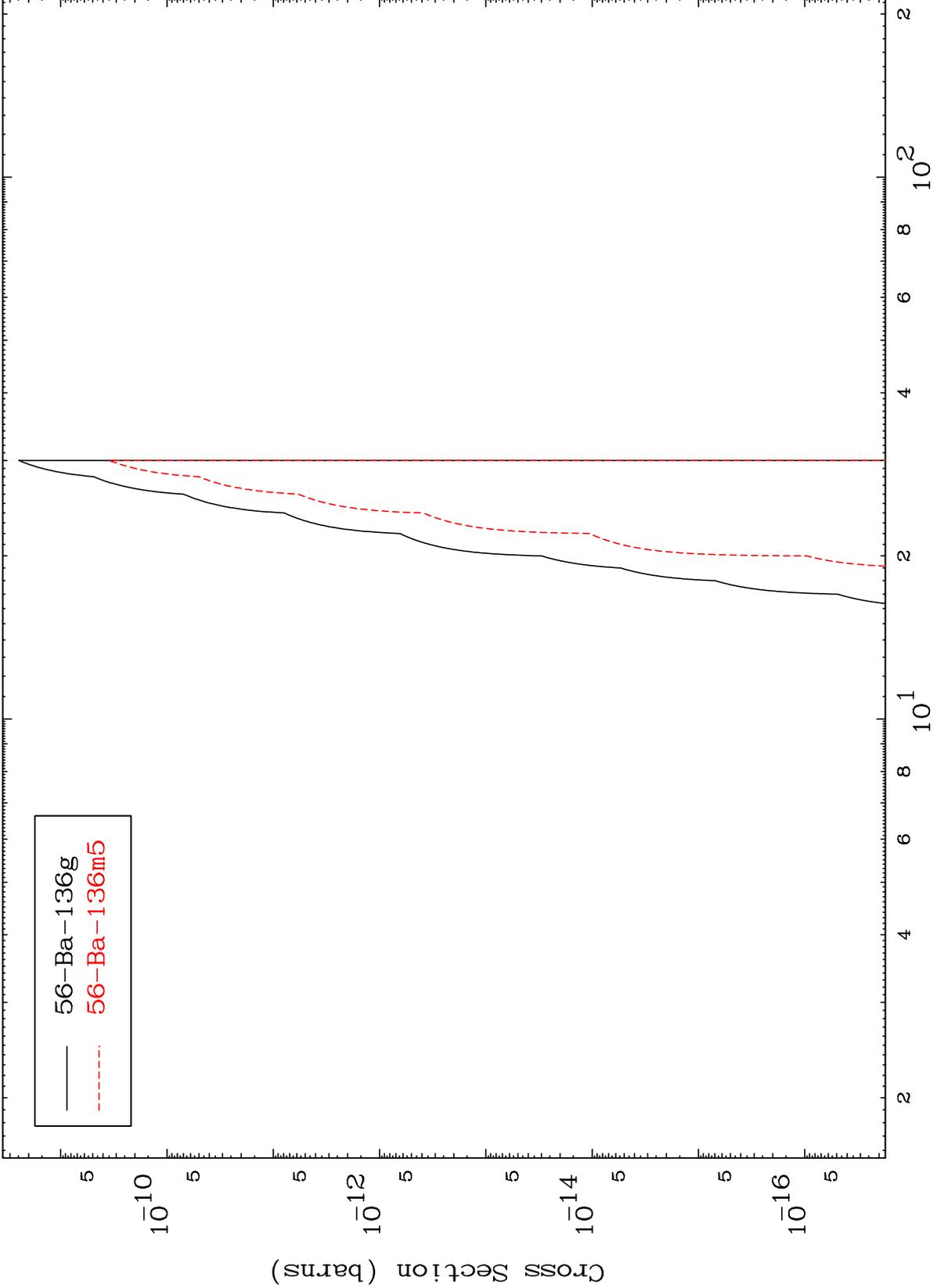
58-Ce-140

MAT 5837

(n,2α)

58-Ce-140

Radionuclide Production Cross Section



15

Incident Energy (MeV)

58-Ce-140