

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

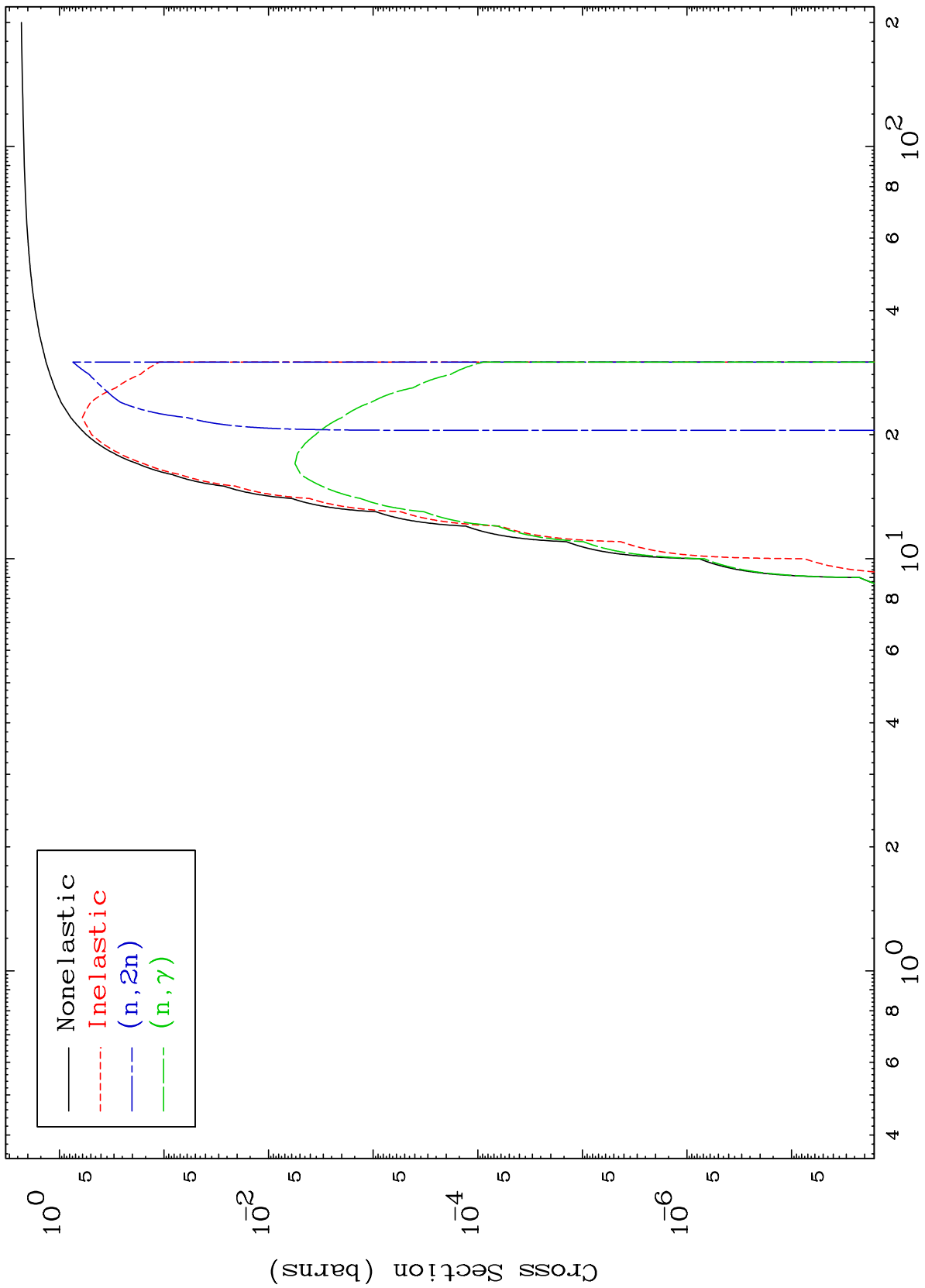
Press Mouse Button to Start

MAT 5817

α Major

58-Ce-133m

0 Kelvin Cross Sections

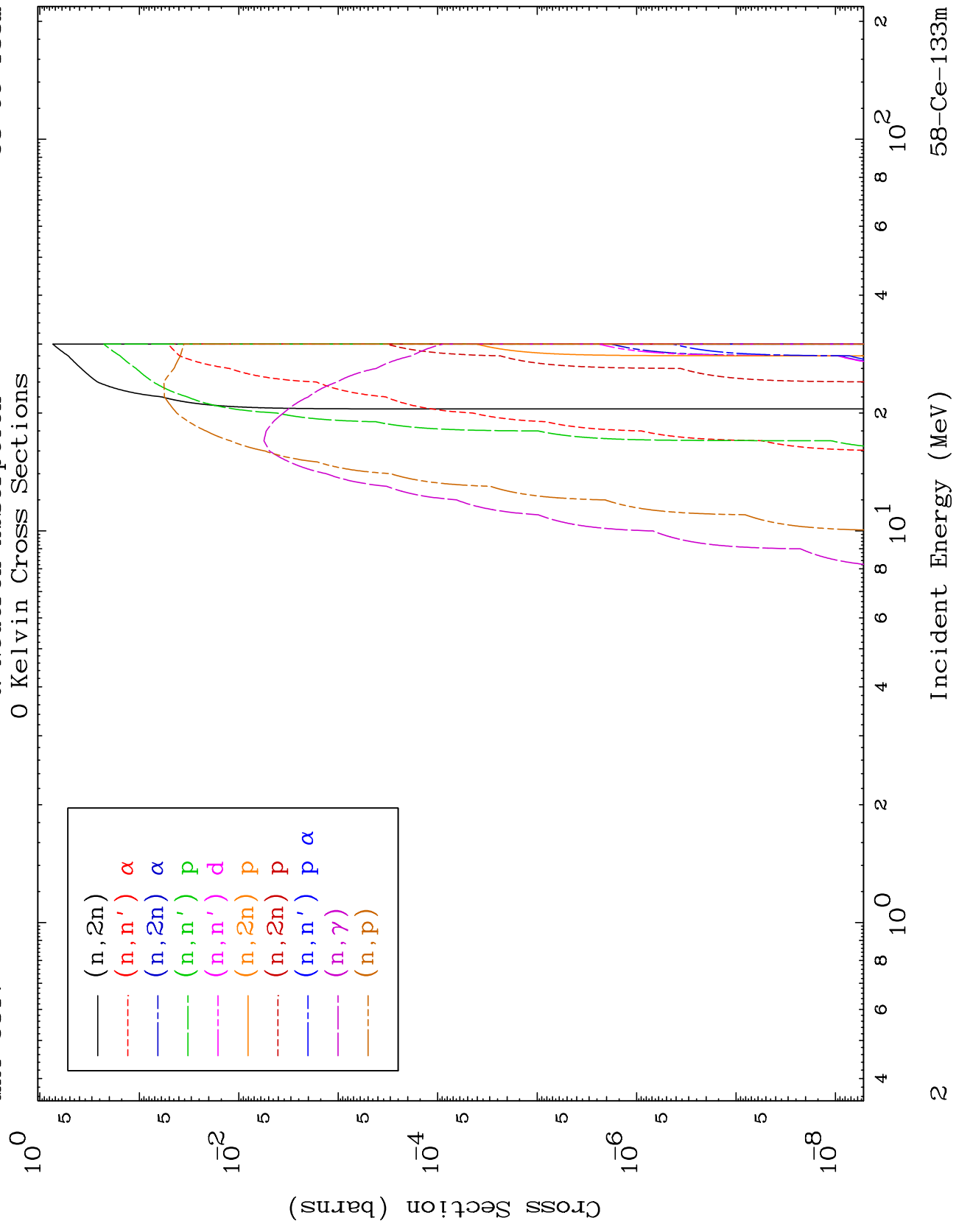


Legend:
— Nonelastic
- - - Inelastic
- - - (n, 2n)
- - - (n, γ)

MAT 5817

α Neutron Absorption
0 Kelvin Cross Sections

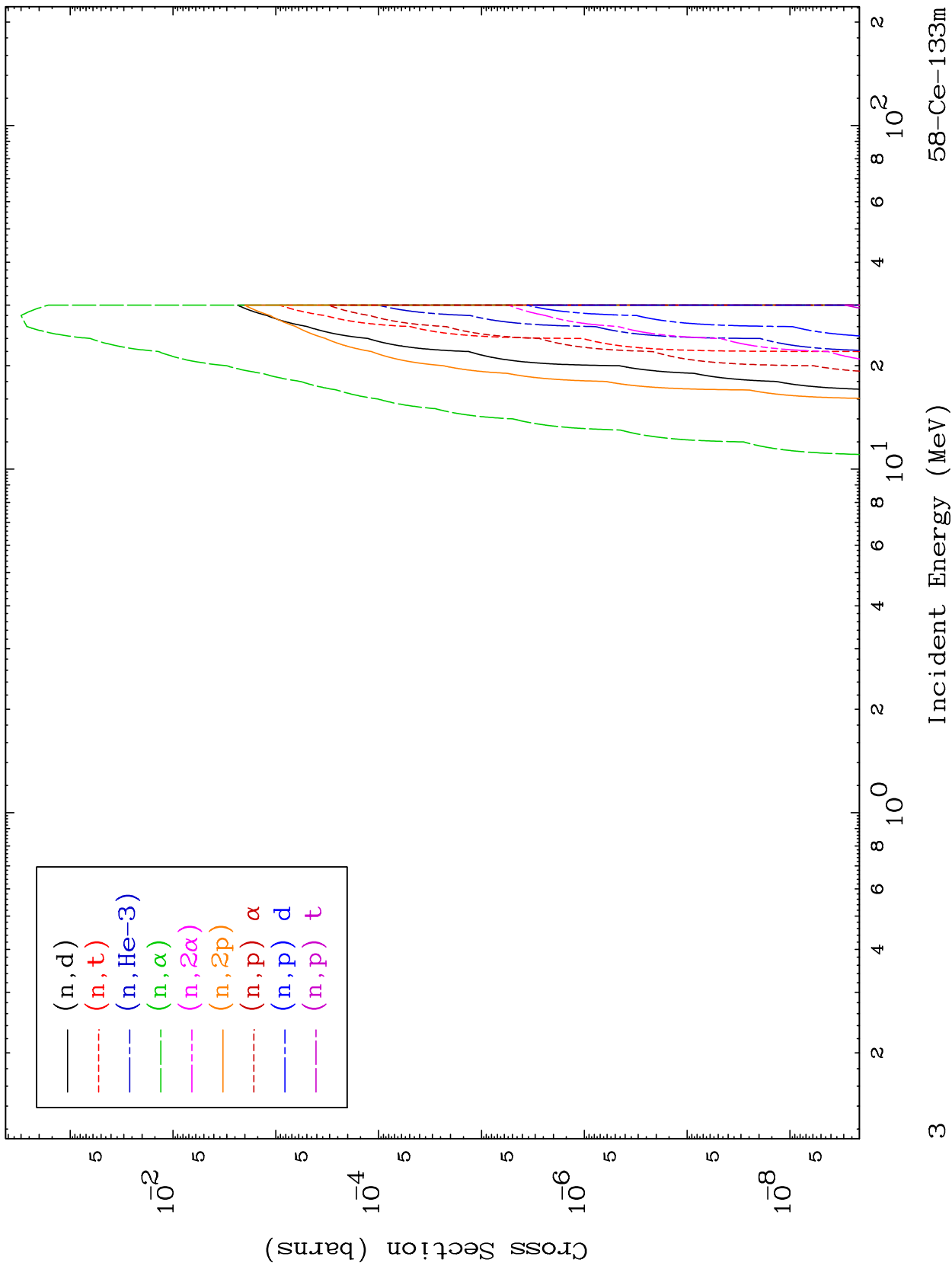
58-Ce-133m

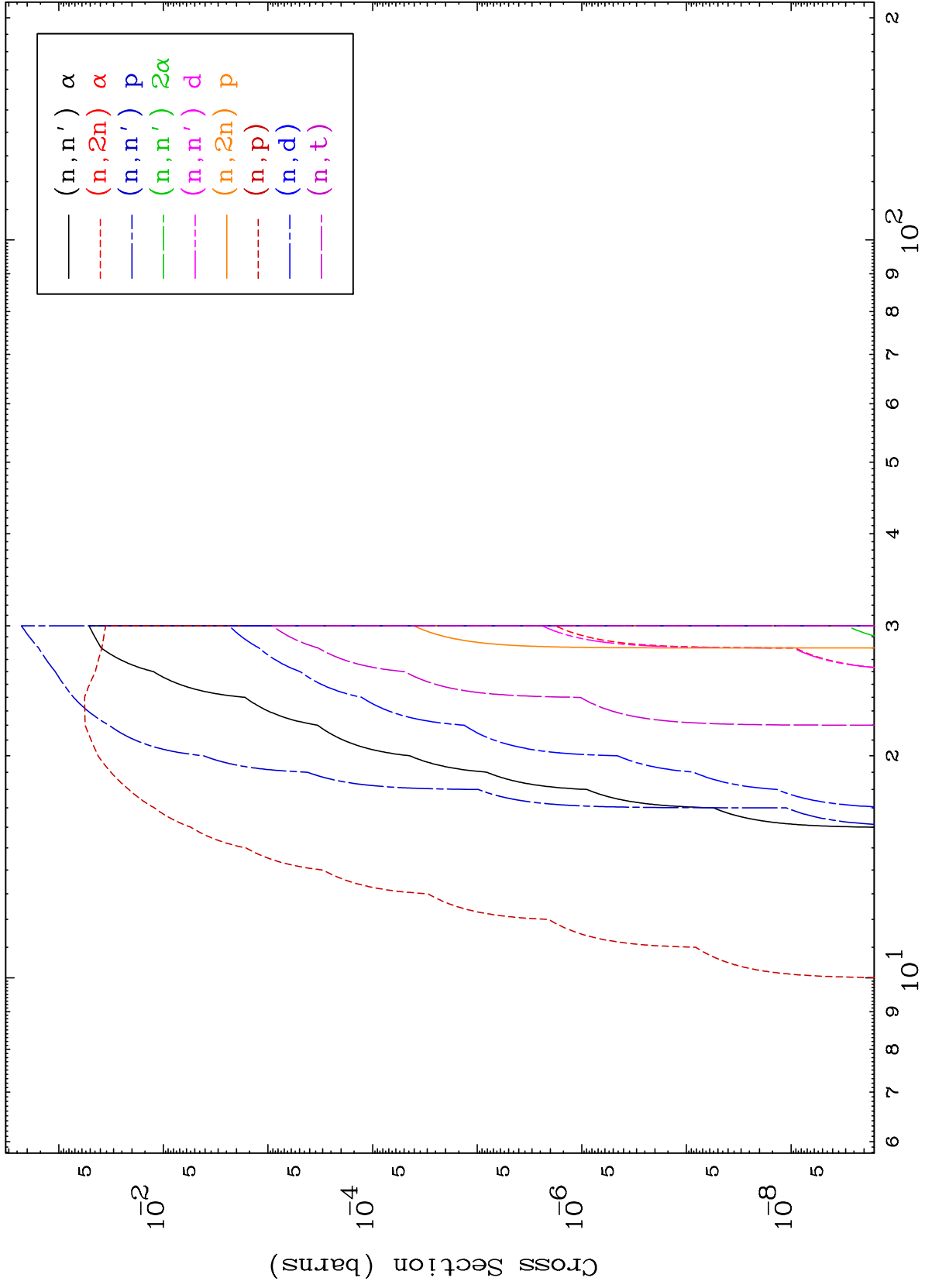


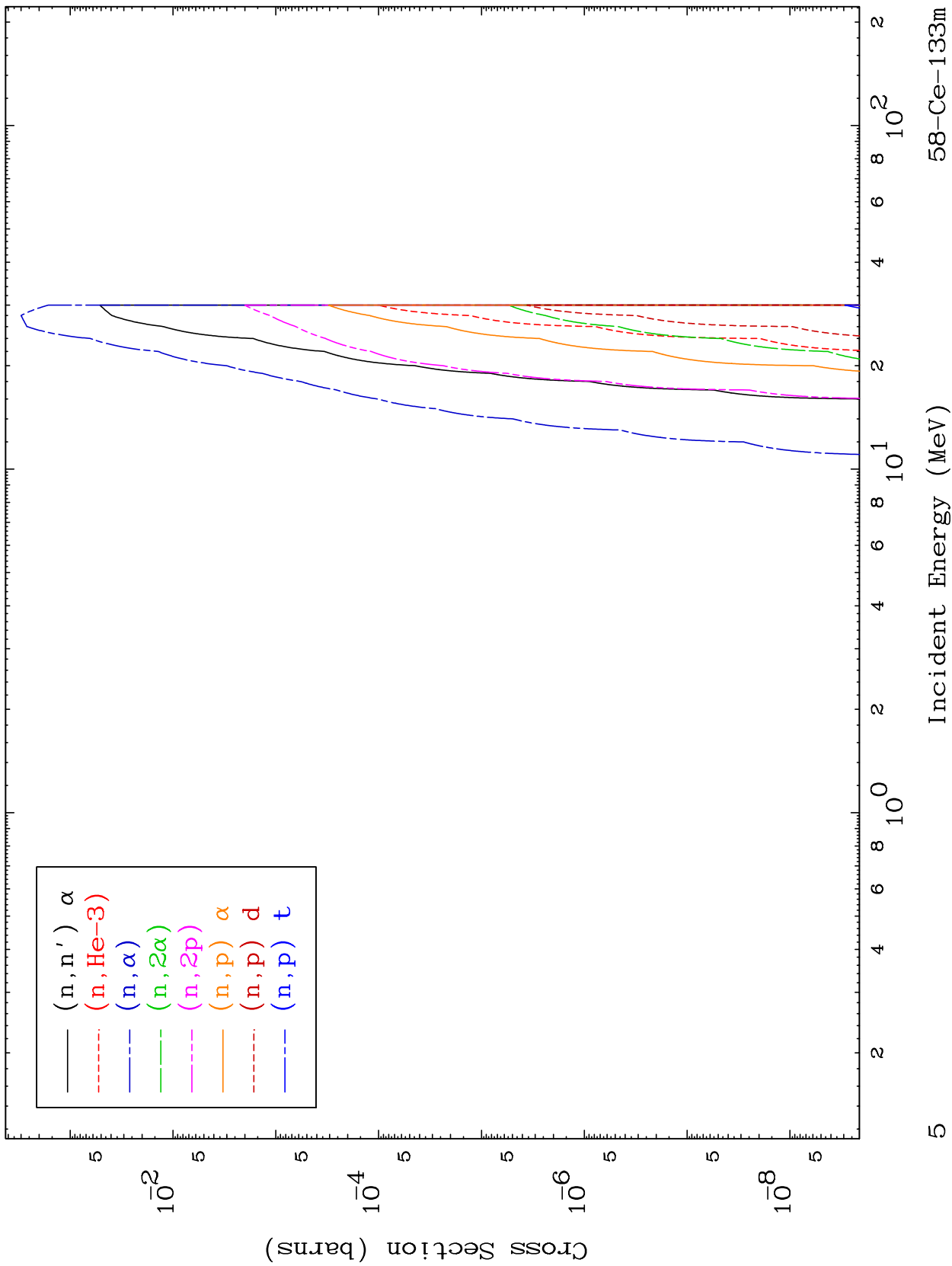
MAT 5817

α Neutron Absorption
0 Kelvin Cross Sections

58-Ce-133m





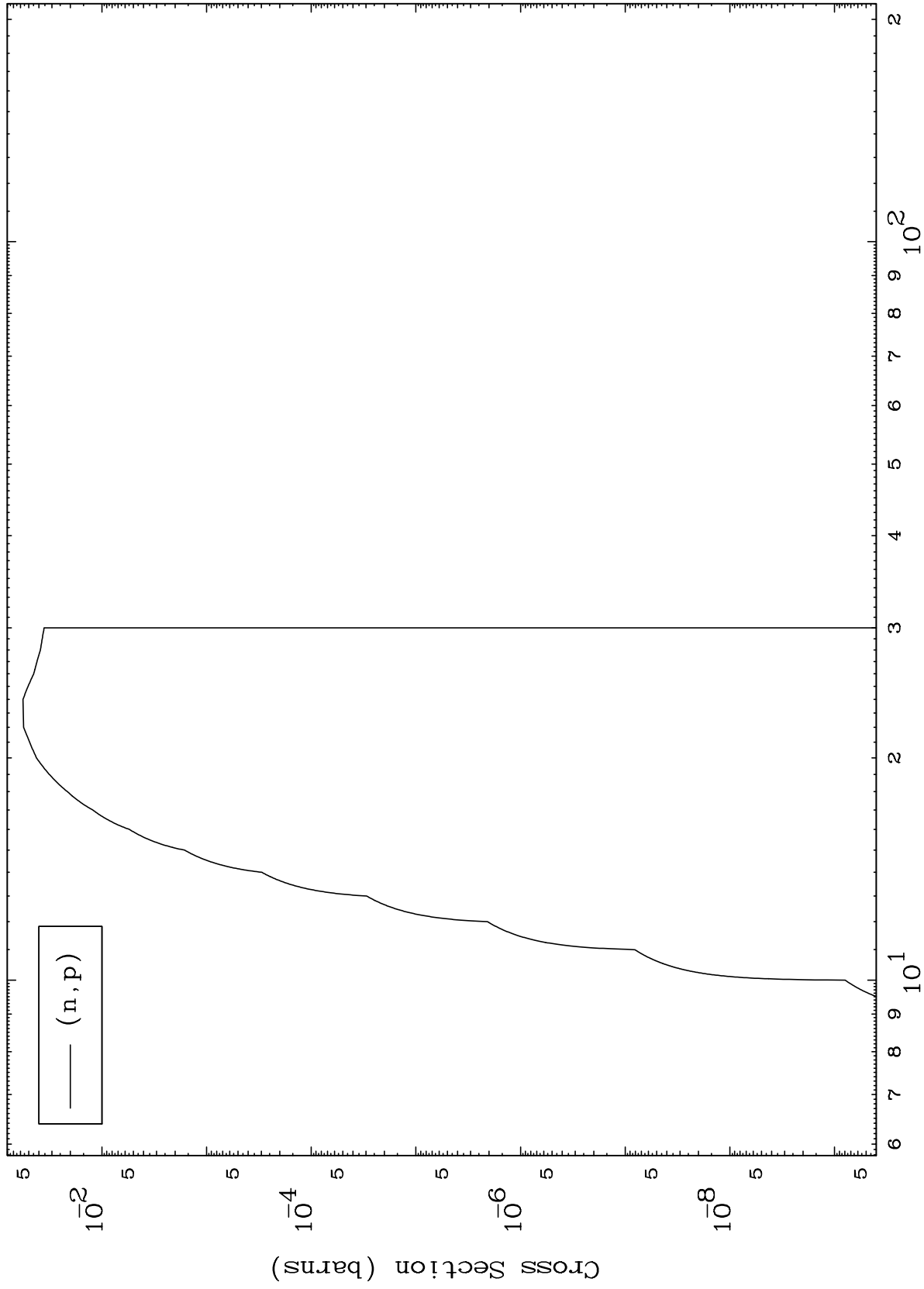


MAT 5817

(α, p) Levels

58-Ce-133m

0 Kelvin Cross Sections



6

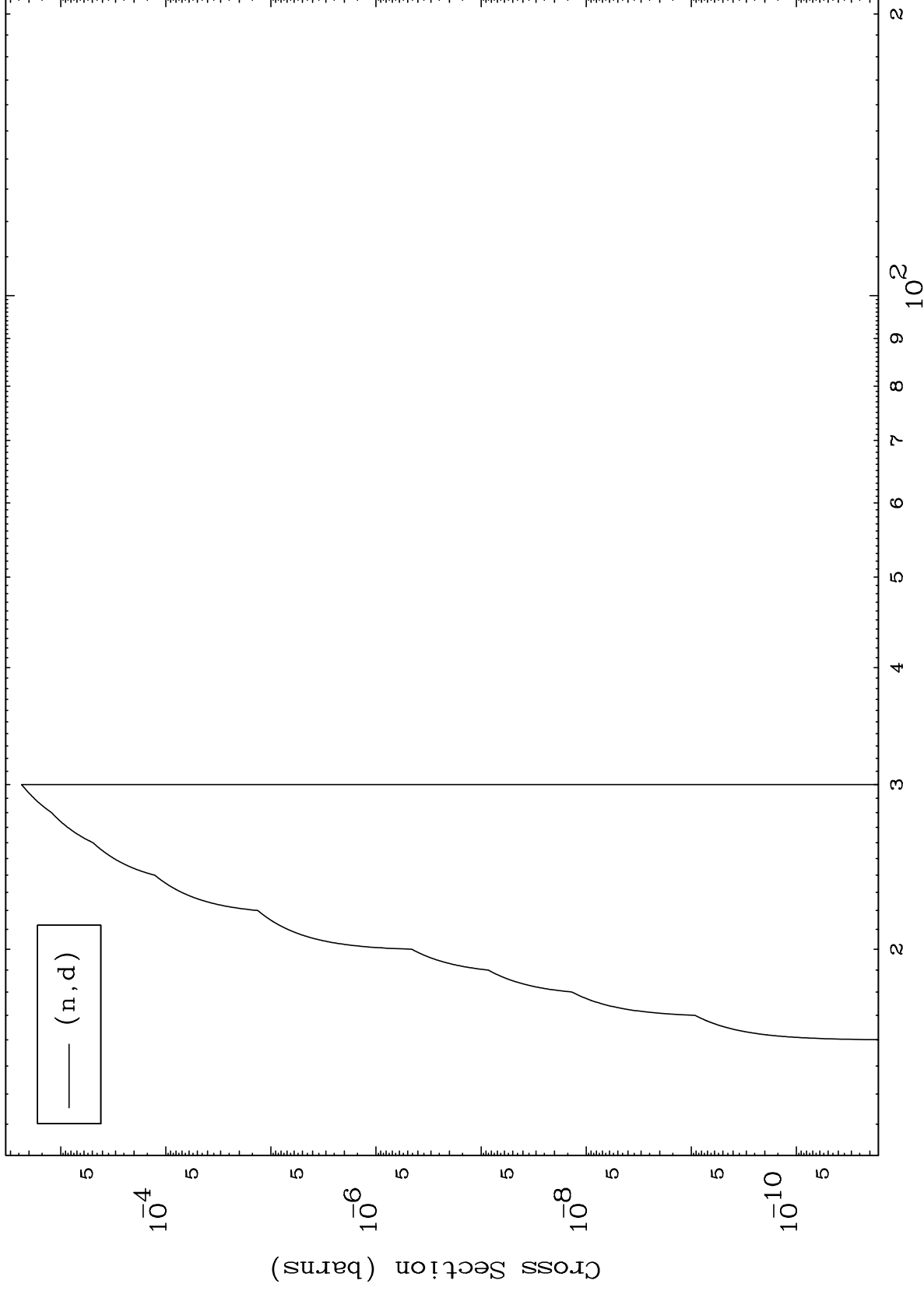
Incident Energy (MeV)

58-Ce-133m

MAT 5817

(α, d) Levels
0 Kelvin Cross Sections

58-Ce-133m



7

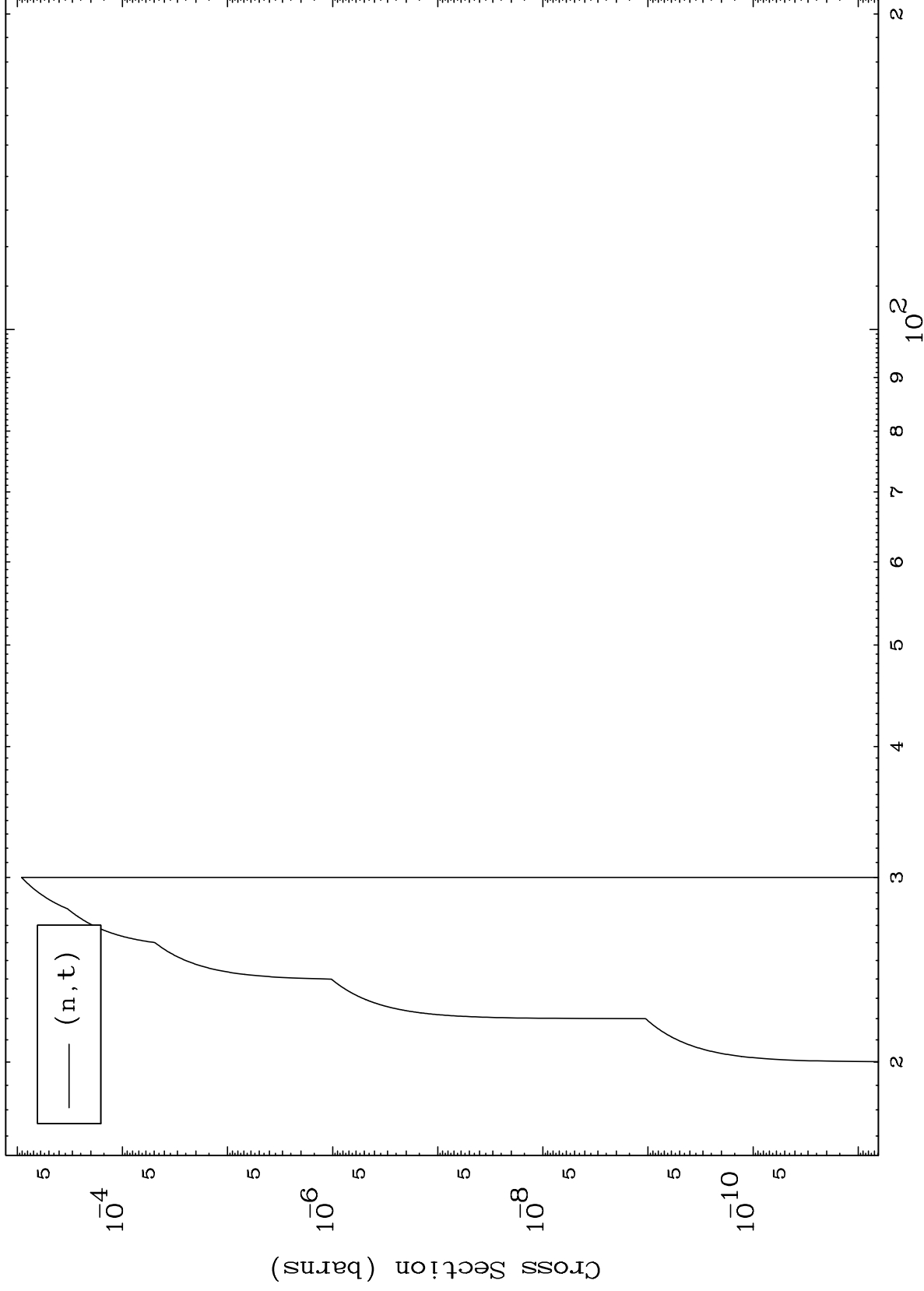
Incident Energy (MeV)

58-Ce-133m

MAT 5817

(α, t) Levels
0 Kelvin Cross Sections

58-Ce-133m



8

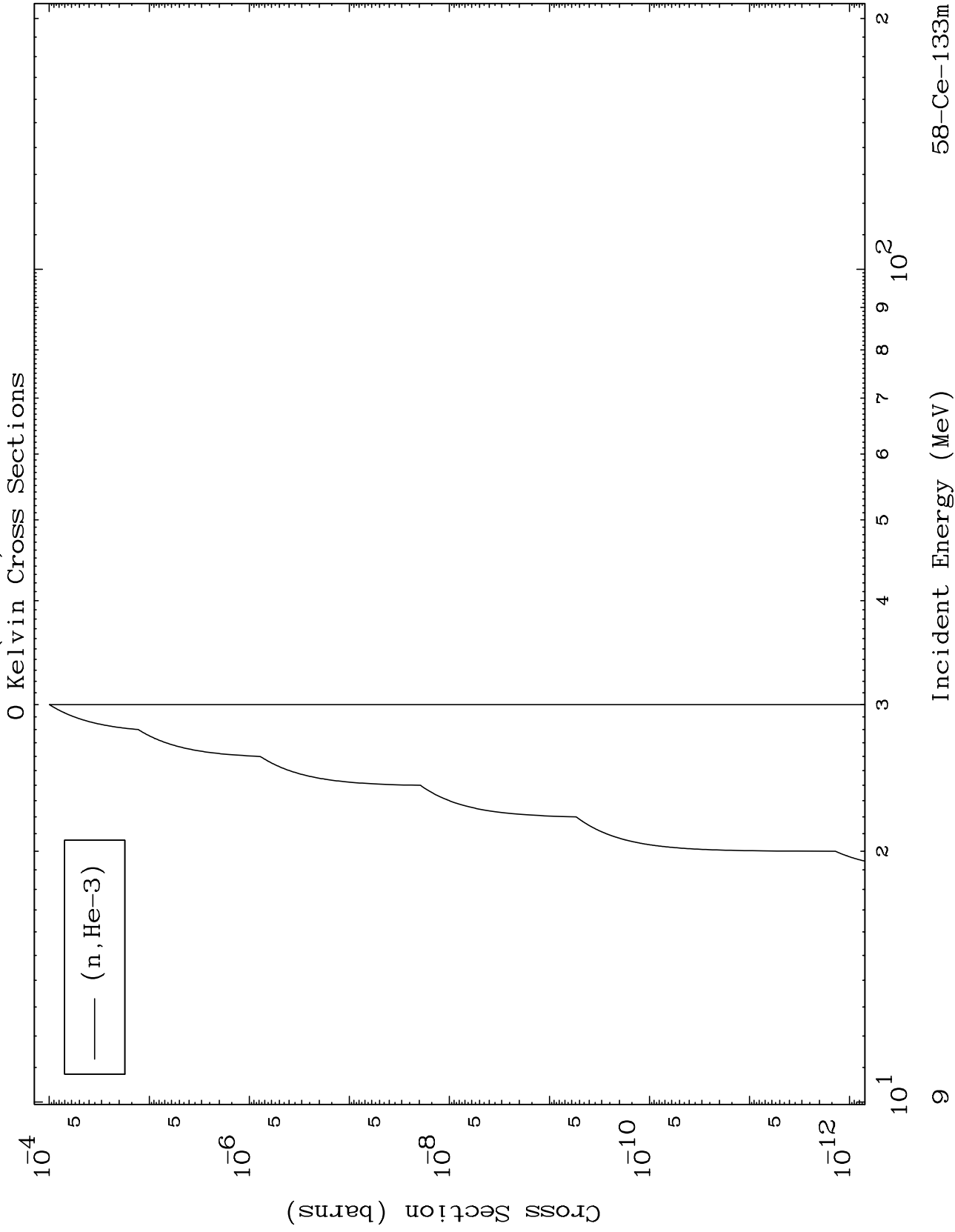
Incident Energy (MeV)

58-Ce-133m

MAT 5817

($\alpha, \text{He}3$) Levels

58-Ce-133m

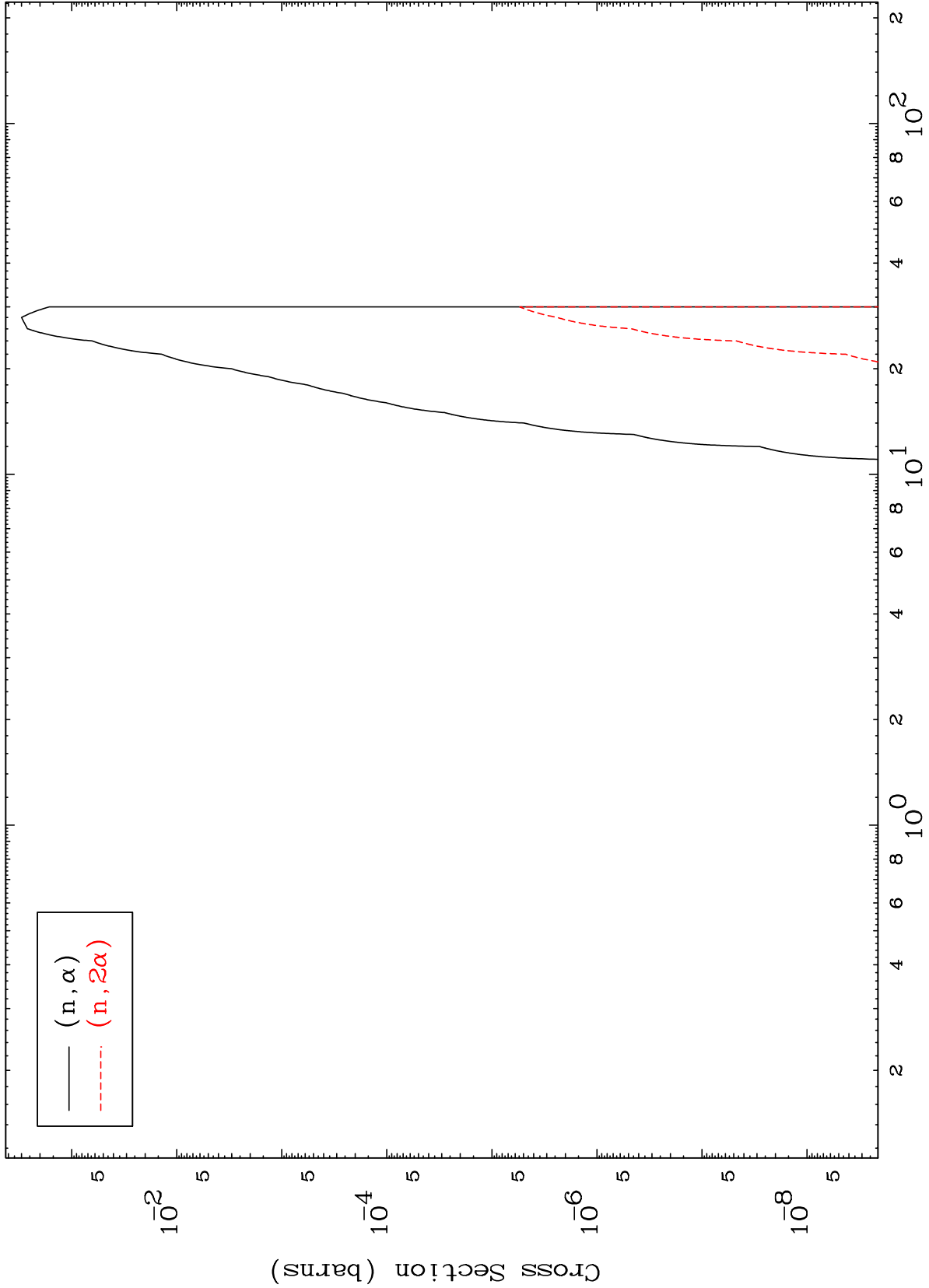


MAT 5817

(α, α) Levels

58-Ce-133m

0 Kelvin Cross Sections



— (n, α)
- - - (n, 2α)

10

Incident Energy (MeV)

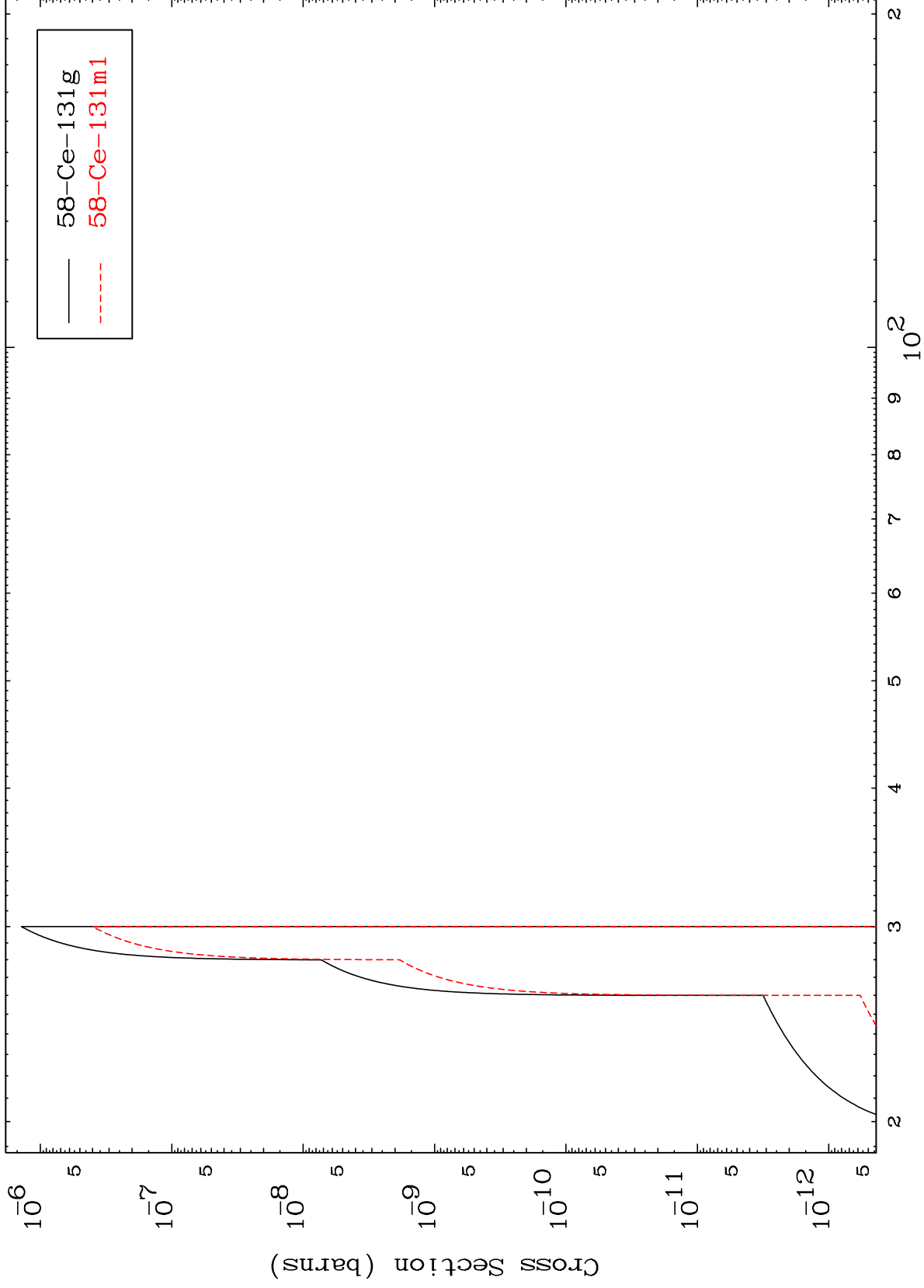
58-Ce-133m

MAT 5817

(n,2n) α

58-Ce-133m

Radionuclide Production Cross Section



11

Incident Energy (MeV)

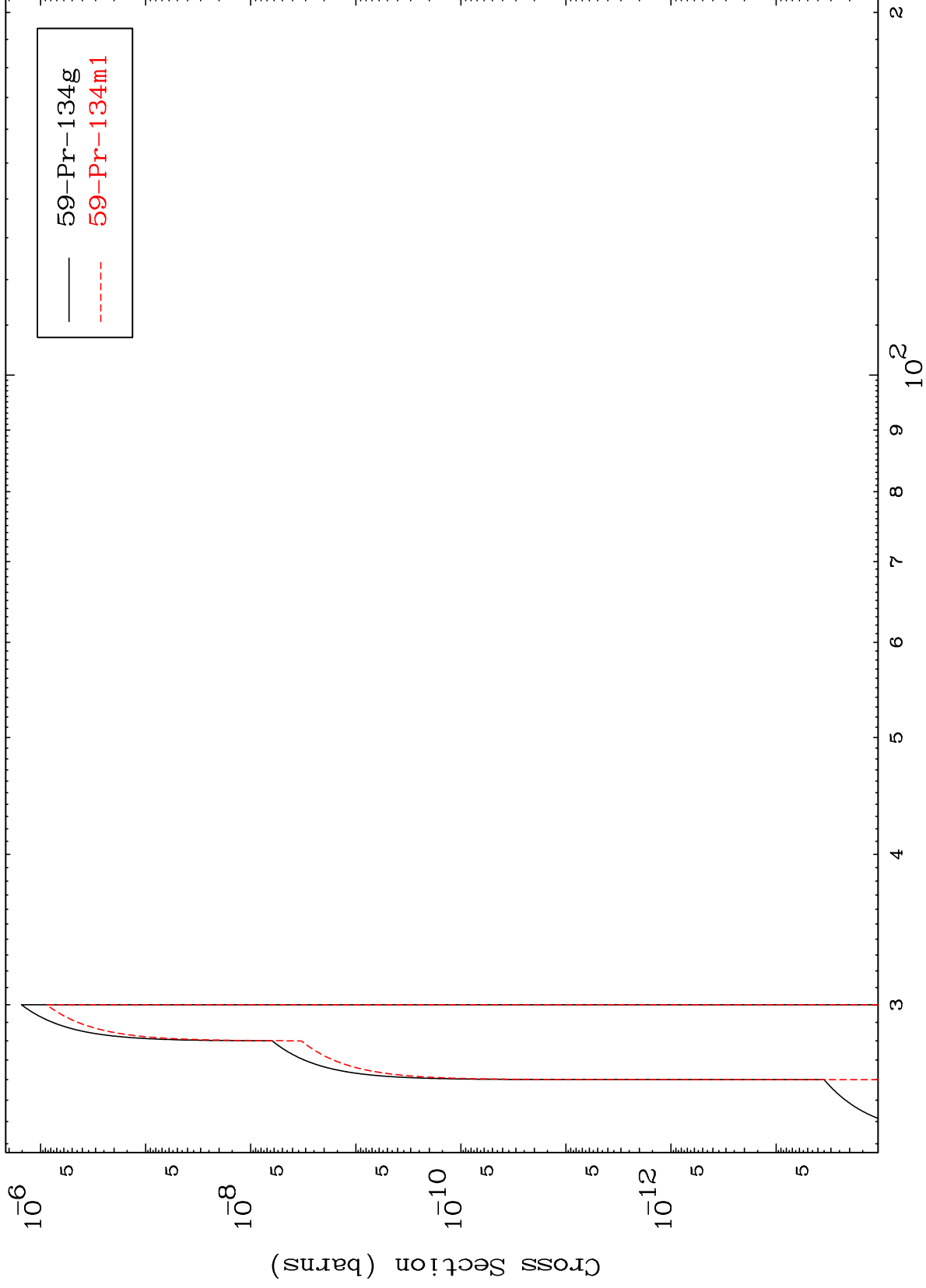
58-Ce-133m

MAT 5817

(n,n') d

58-Ce-133m

Radionuclide Production Cross Section



12

Incident Energy (MeV)

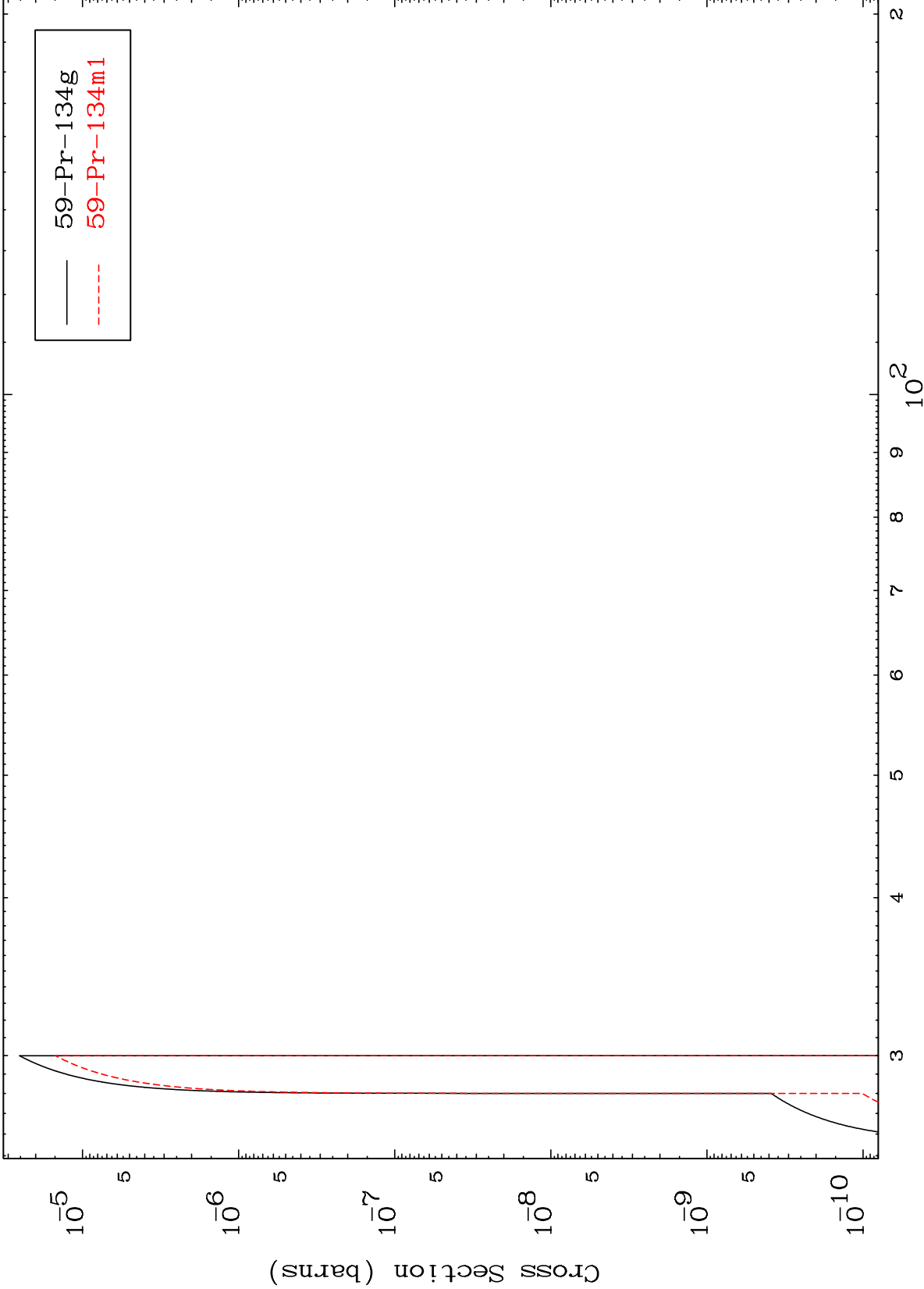
58-Ce-133m

MAT 5817

(n,2n) p

58-Ce-133m

Radionuclide Production Cross Section



59-Pr-134g
59-Pr-134m1

13

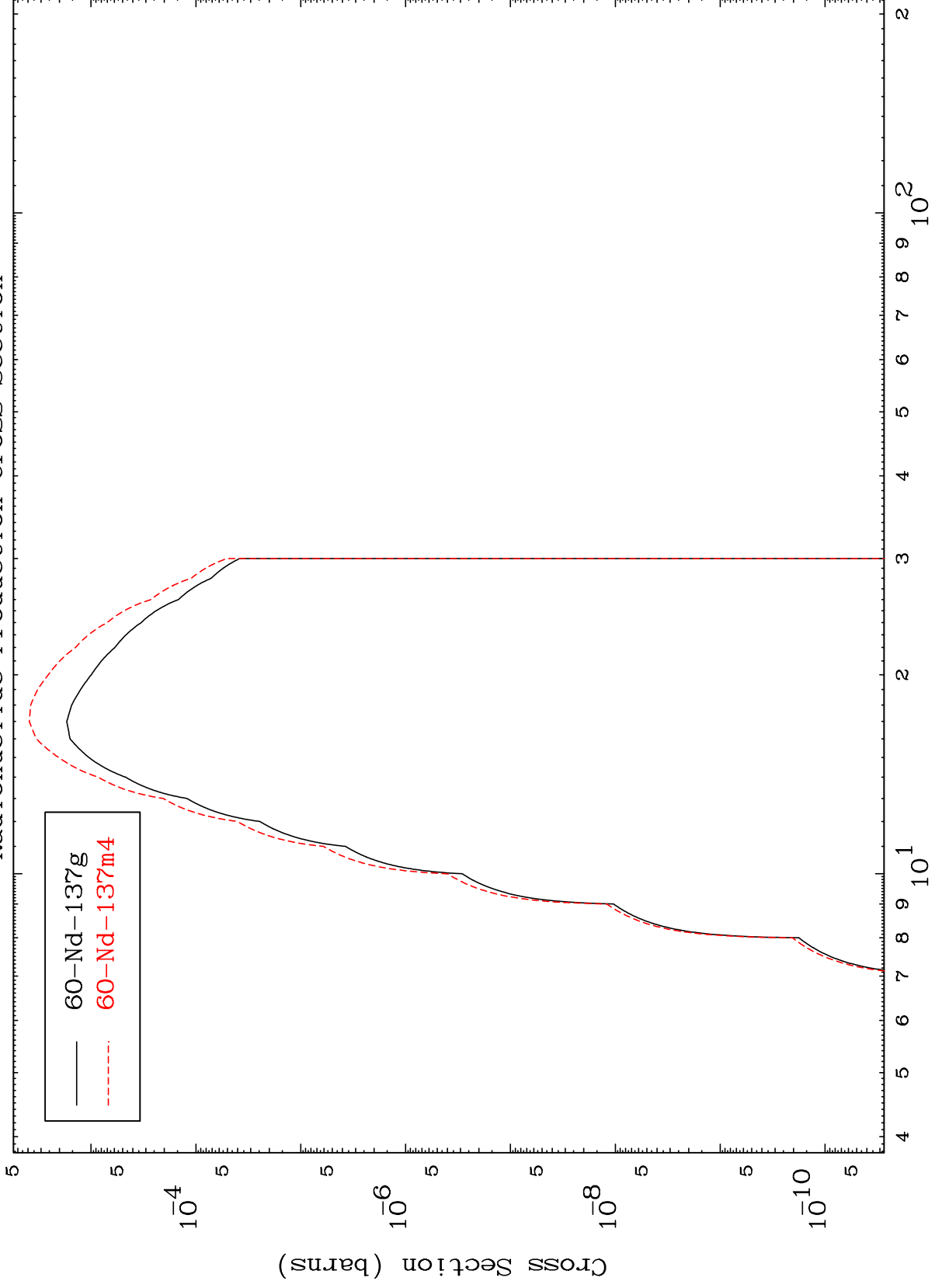
Incident Energy (MeV)

58-Ce-133m

MAT 5817

58-Ce-133m

Radionuclide Production Cross Section
(n, γ)



14

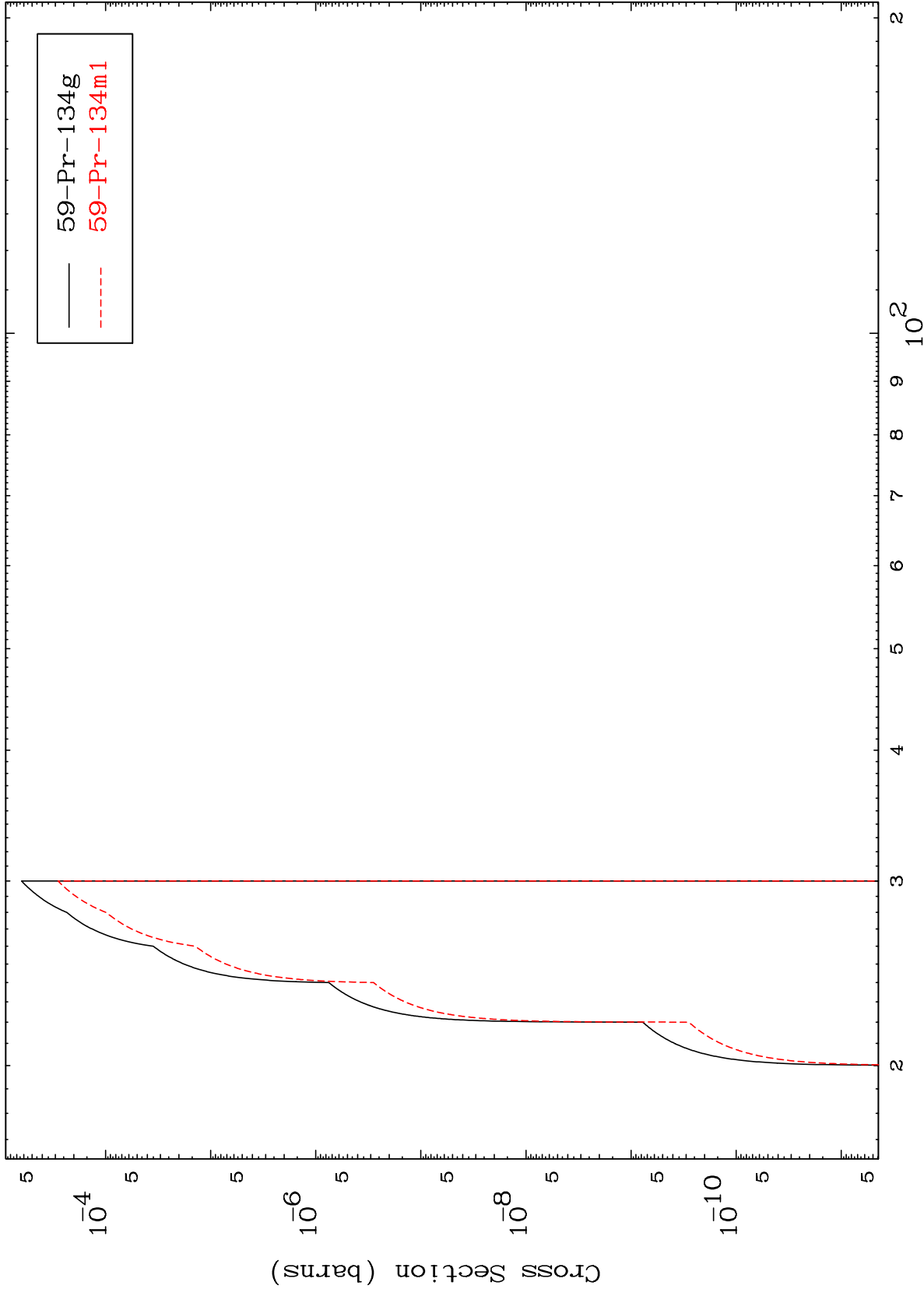
Incident Energy (MeV)

58-Ce-133m

MAT 5817

58-Ce-133m

(n, t)
Radionuclide Production Cross Section



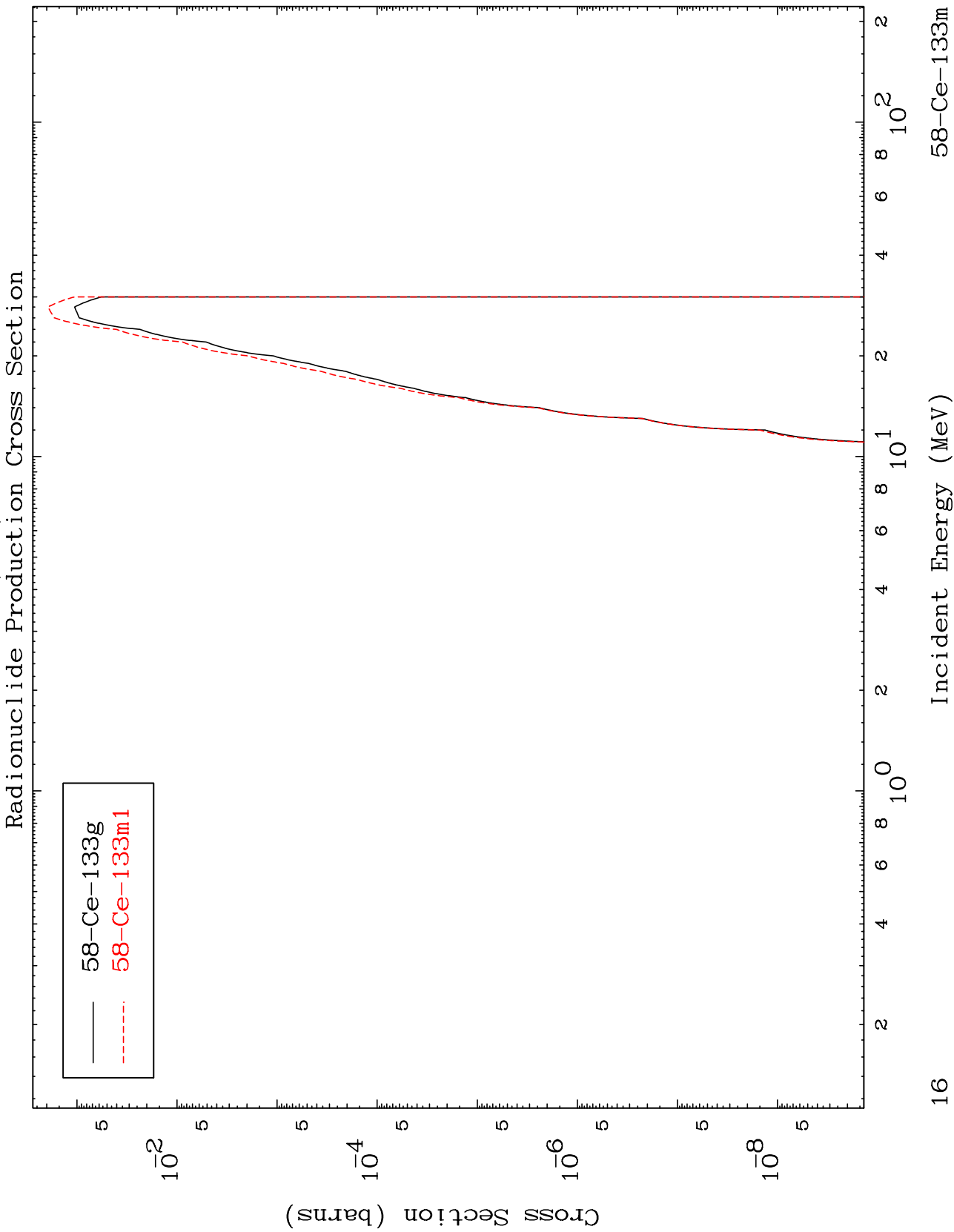
15

Incident Energy (MeV)

58-Ce-133m

MAT 5817

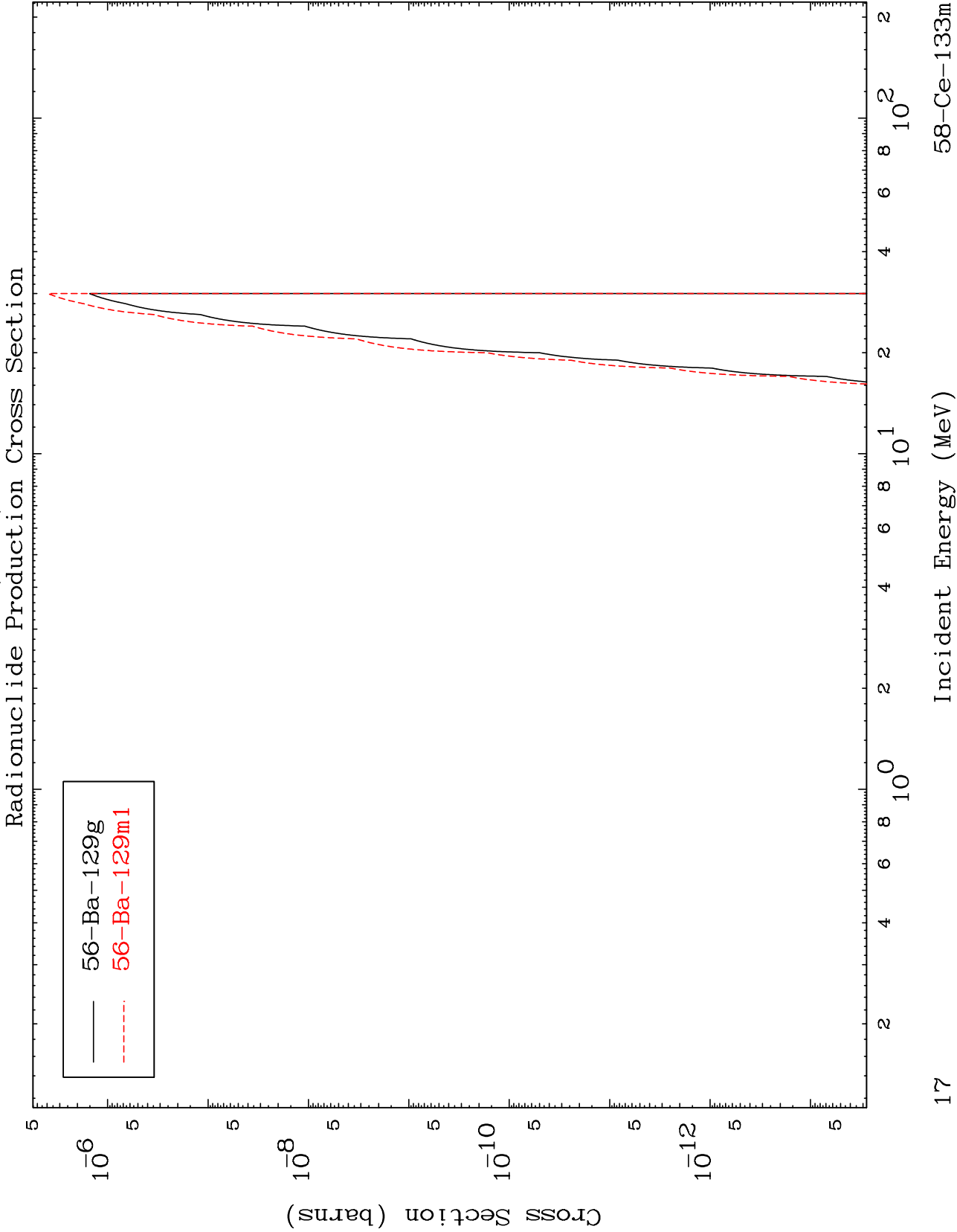
58-Ce-133m



MAT 5817

(n,2α)

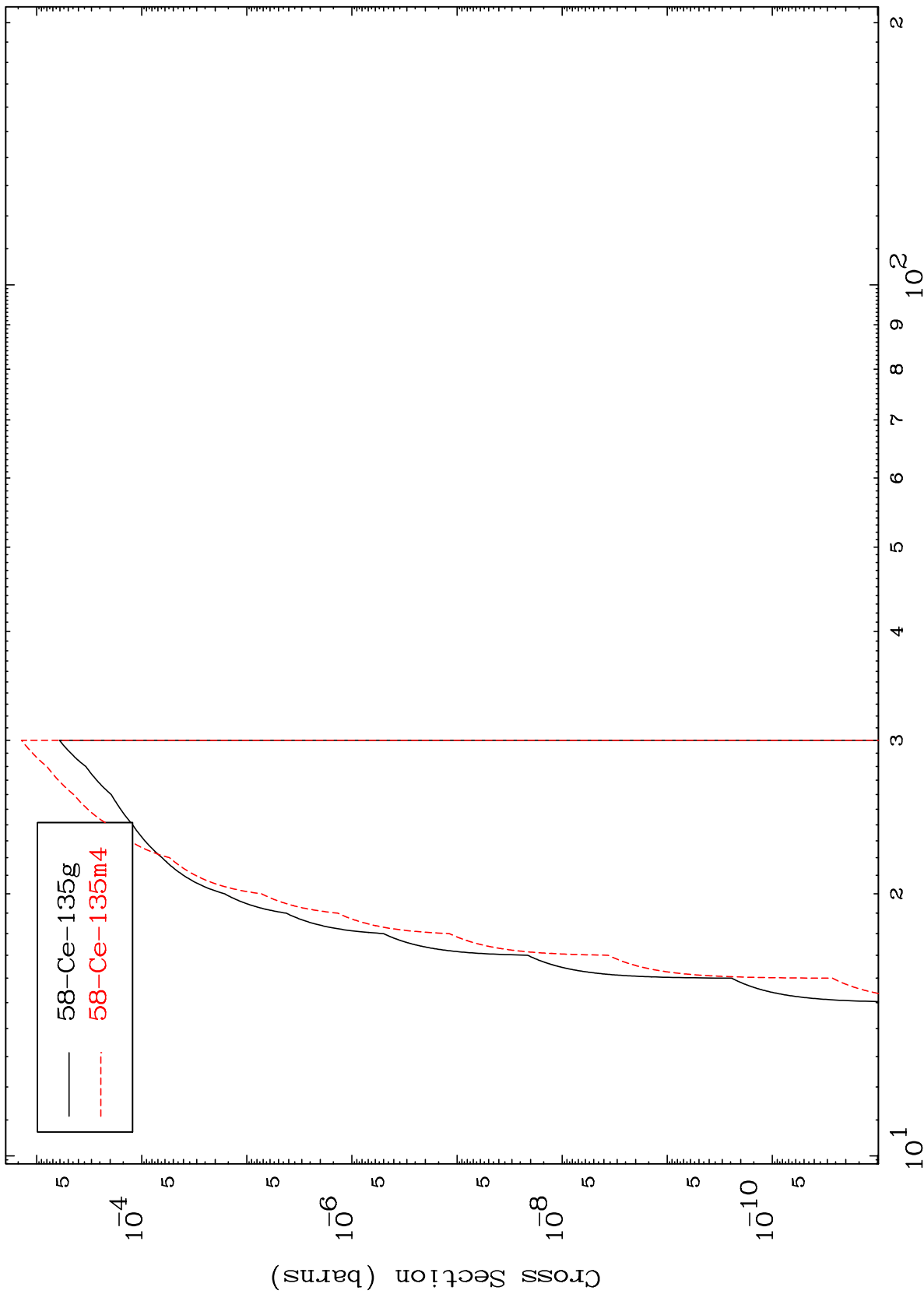
58-Ce-133m



MAT 5817

58-Ce-133m

(n,2p)
Radionuclide Production Cross Section



58-Ce-133m

Incident Energy (MeV)

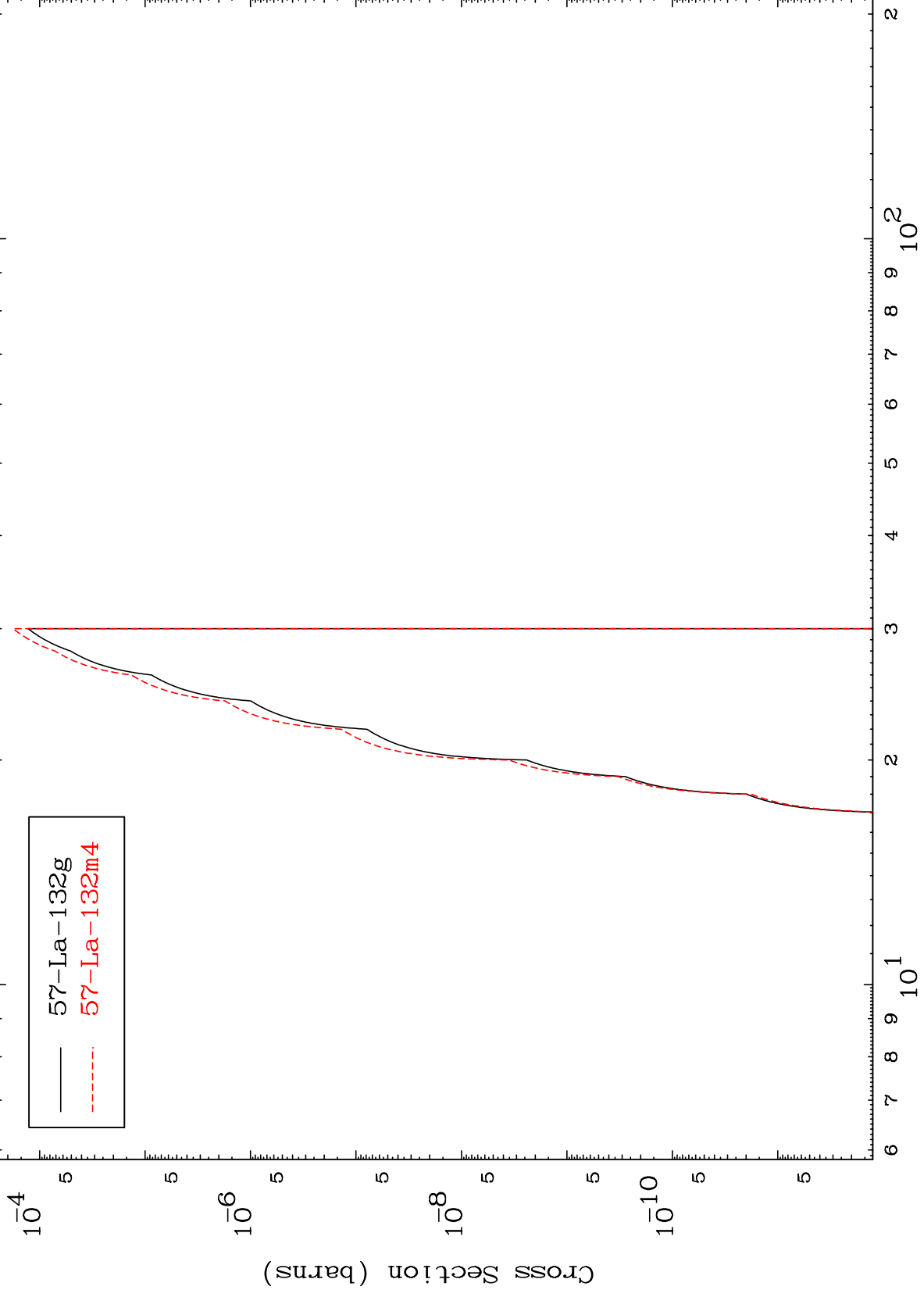
18

MAT 5817

(n,p) α

58-Ce-133m

Radionuclide Production Cross Section



19

Incident Energy (MeV)

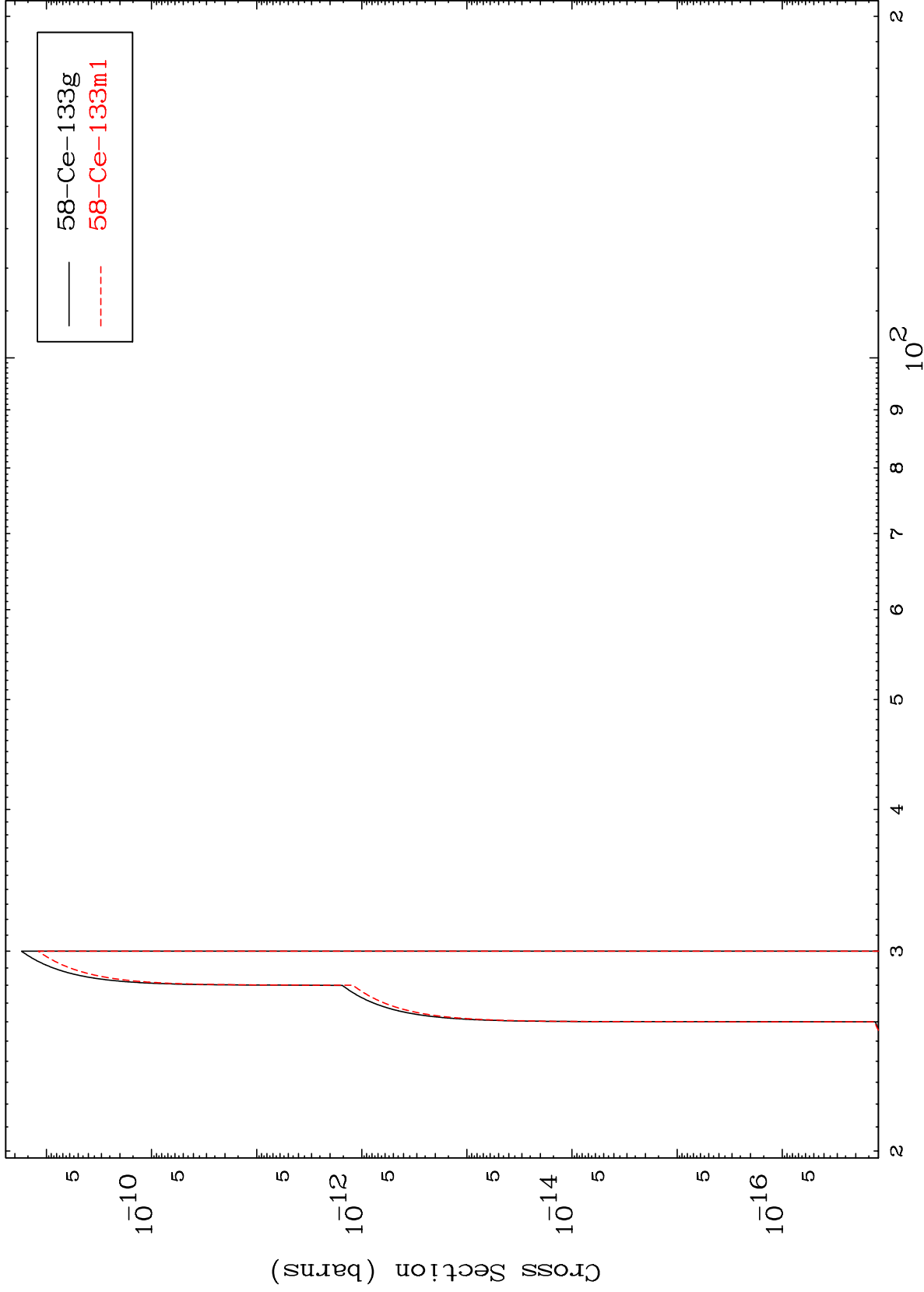
58-Ce-133m

MAT 5817

(n,p) t

58-Ce-133m

Radionuclide Production Cross Section



20

Incident Energy (MeV)

58-Ce-133m