

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

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

Tele: 925-443-1911

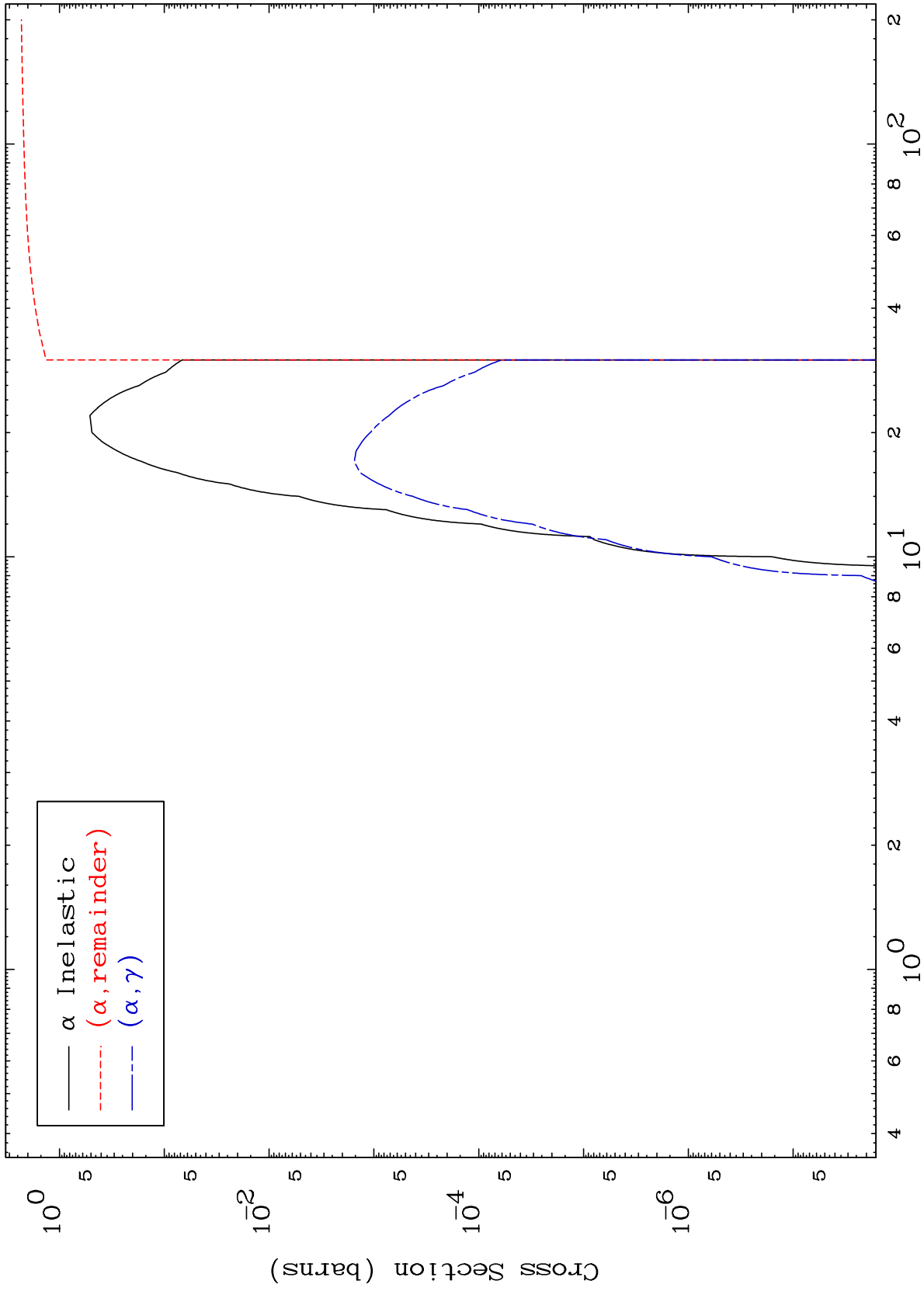
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5817

0 Kelvin α Major
Cross Sections

58-Ce-133



1

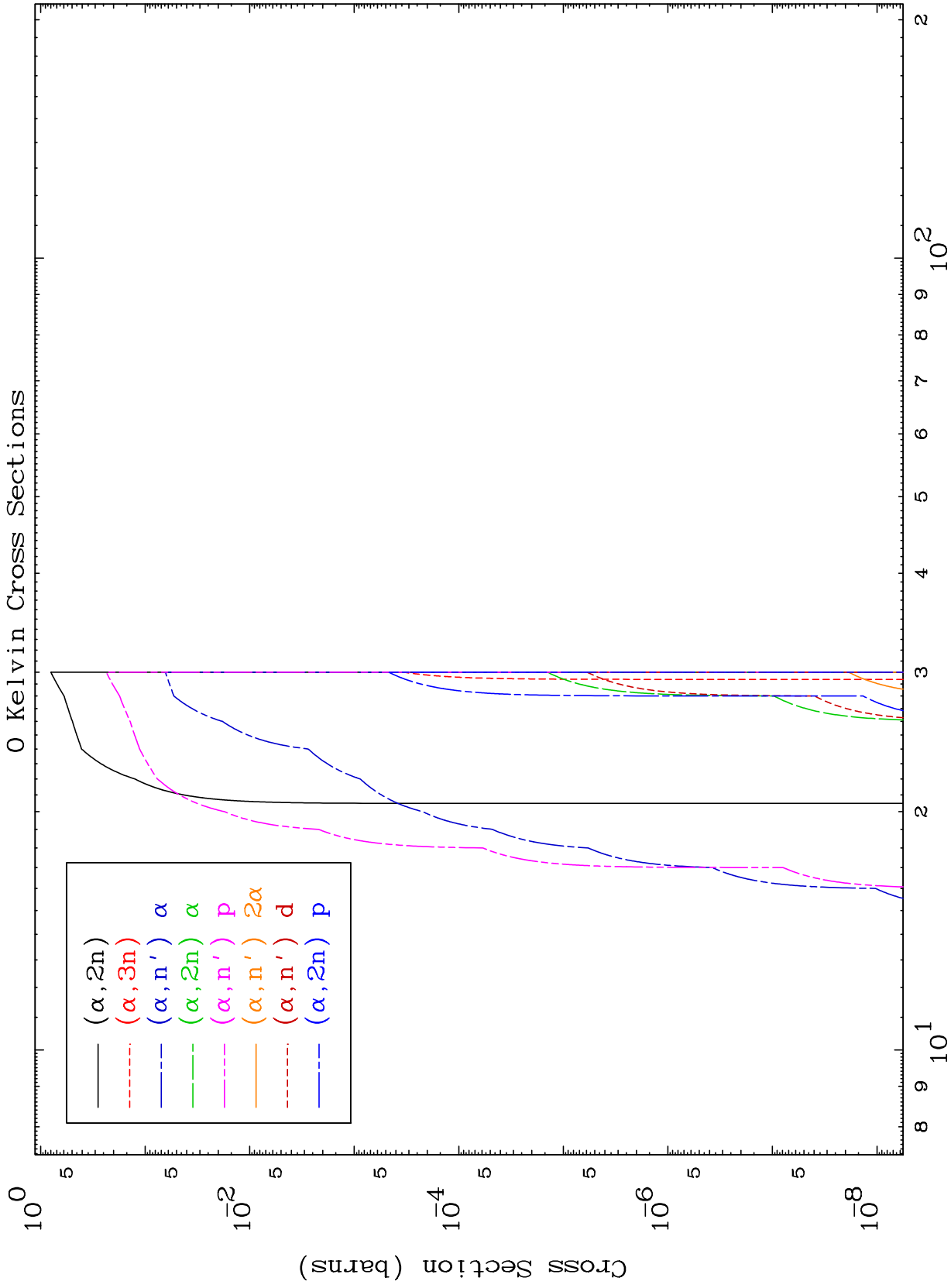
Incident Energy (MeV)

58-Ce-133

MAT 5817

α Neutron Production
0 Kelvin Cross Sections

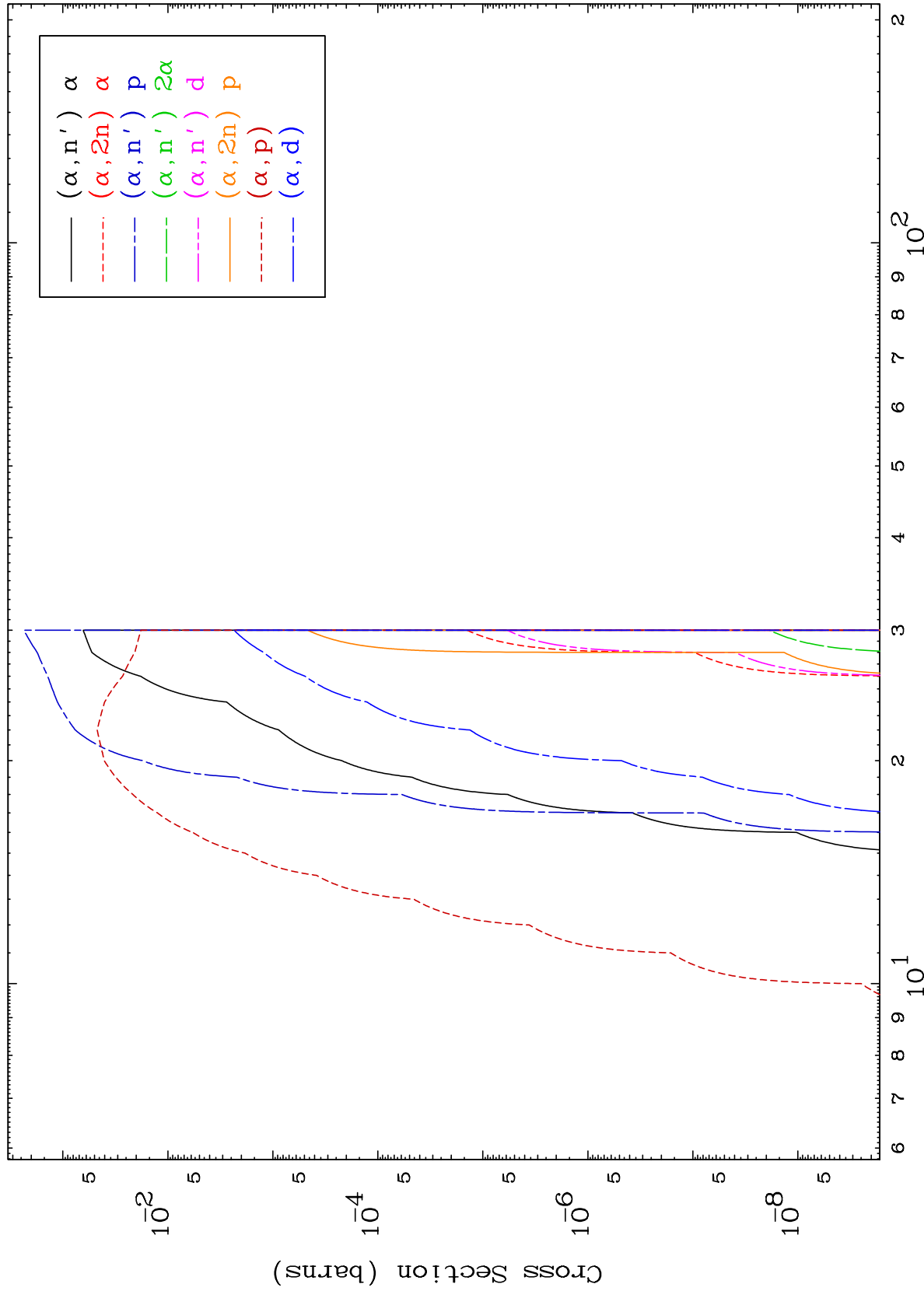
58-Ce-133



2

Incident Energy (MeV)

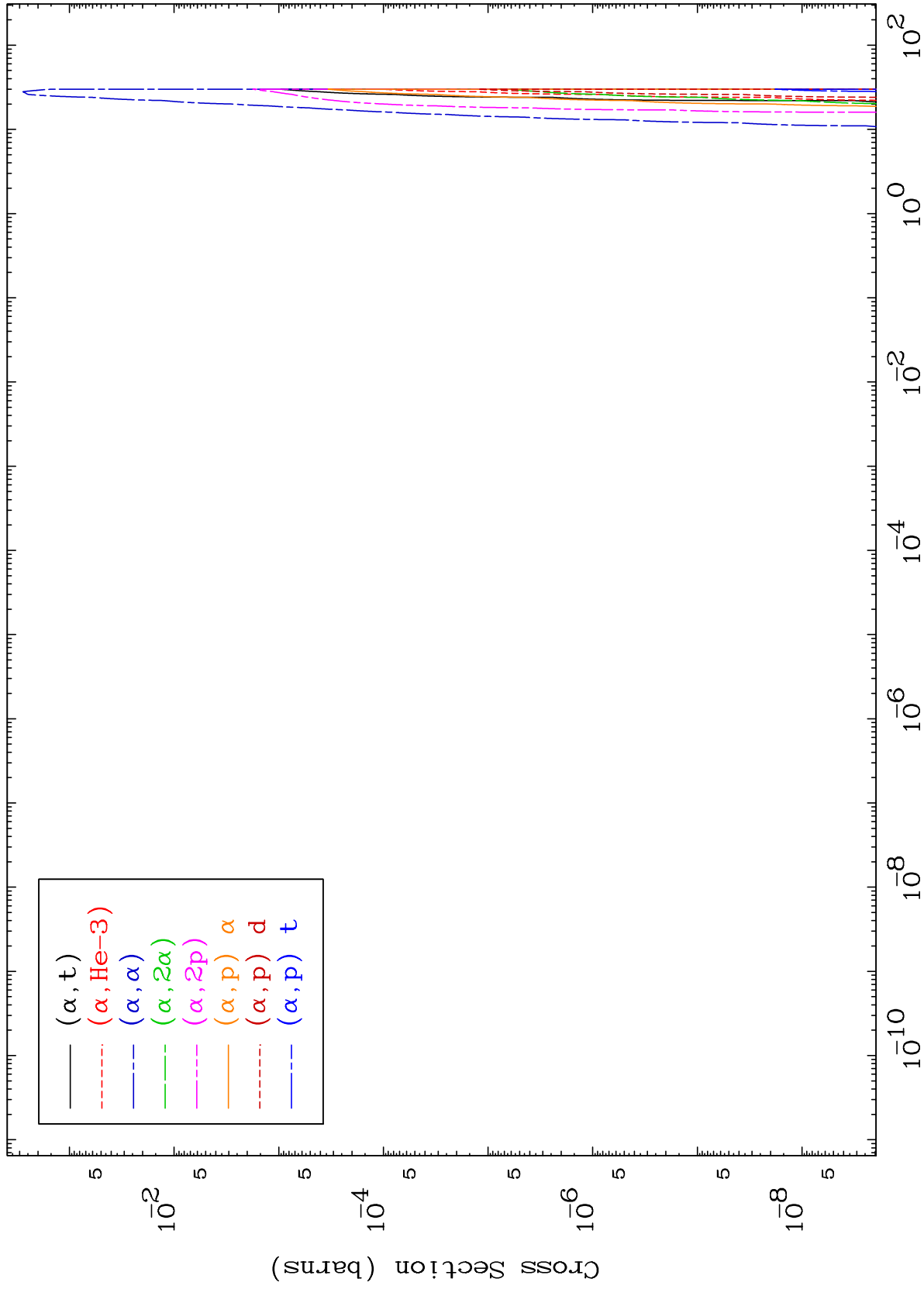
58-Ce-133



MAT 5817

α Charged Particle
0 Kelvin Cross Sections

58-Ce-133

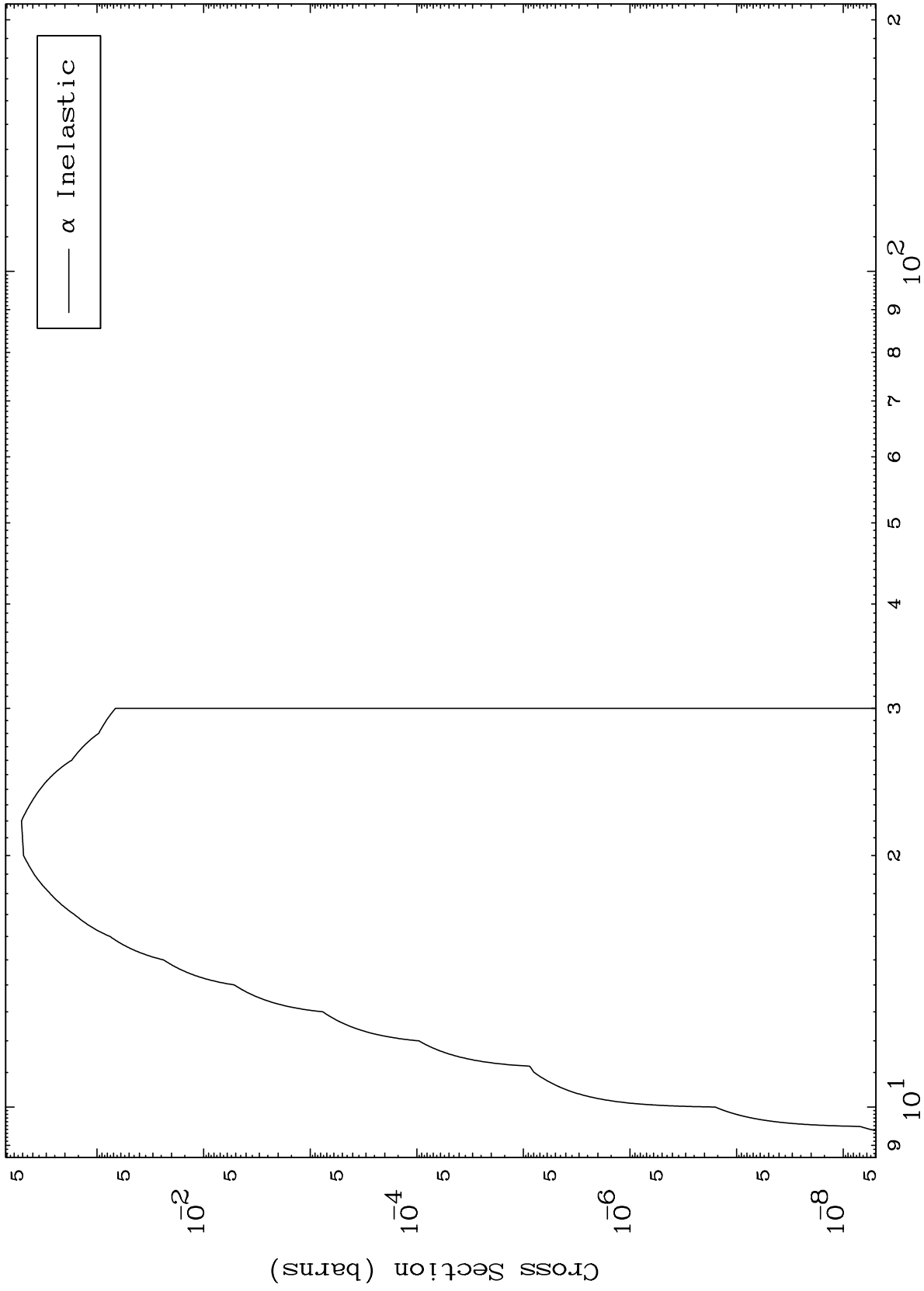


58-Ce-133

MAT 5817

(α, n') Level
0 Kelvin Cross Sections

58-Ce-133



58-Ce-133

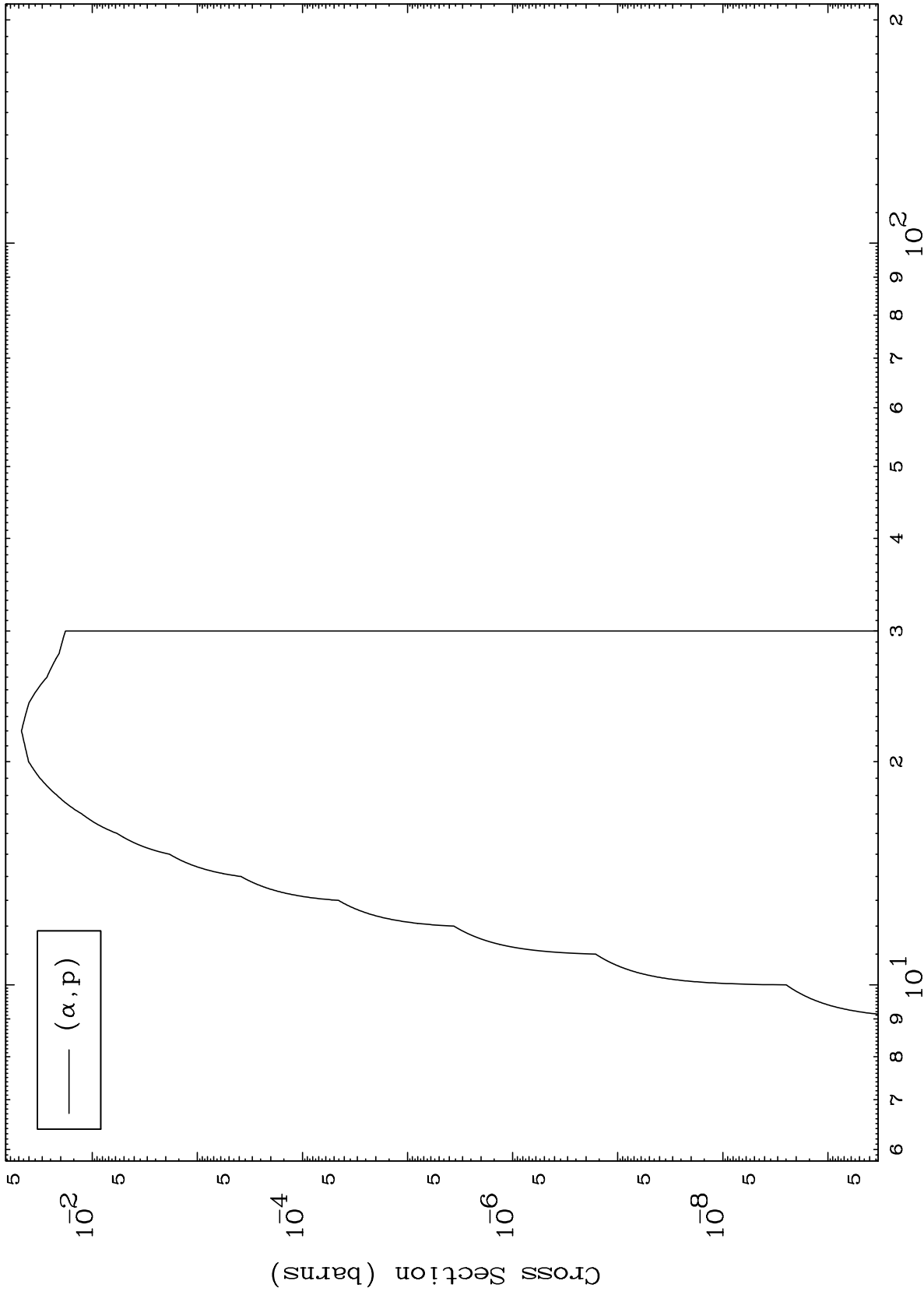
Incident Energy (MeV)

5

MAT 5817

(α, p) Levels
0 Kelvin Cross Sections

58-Ce-133

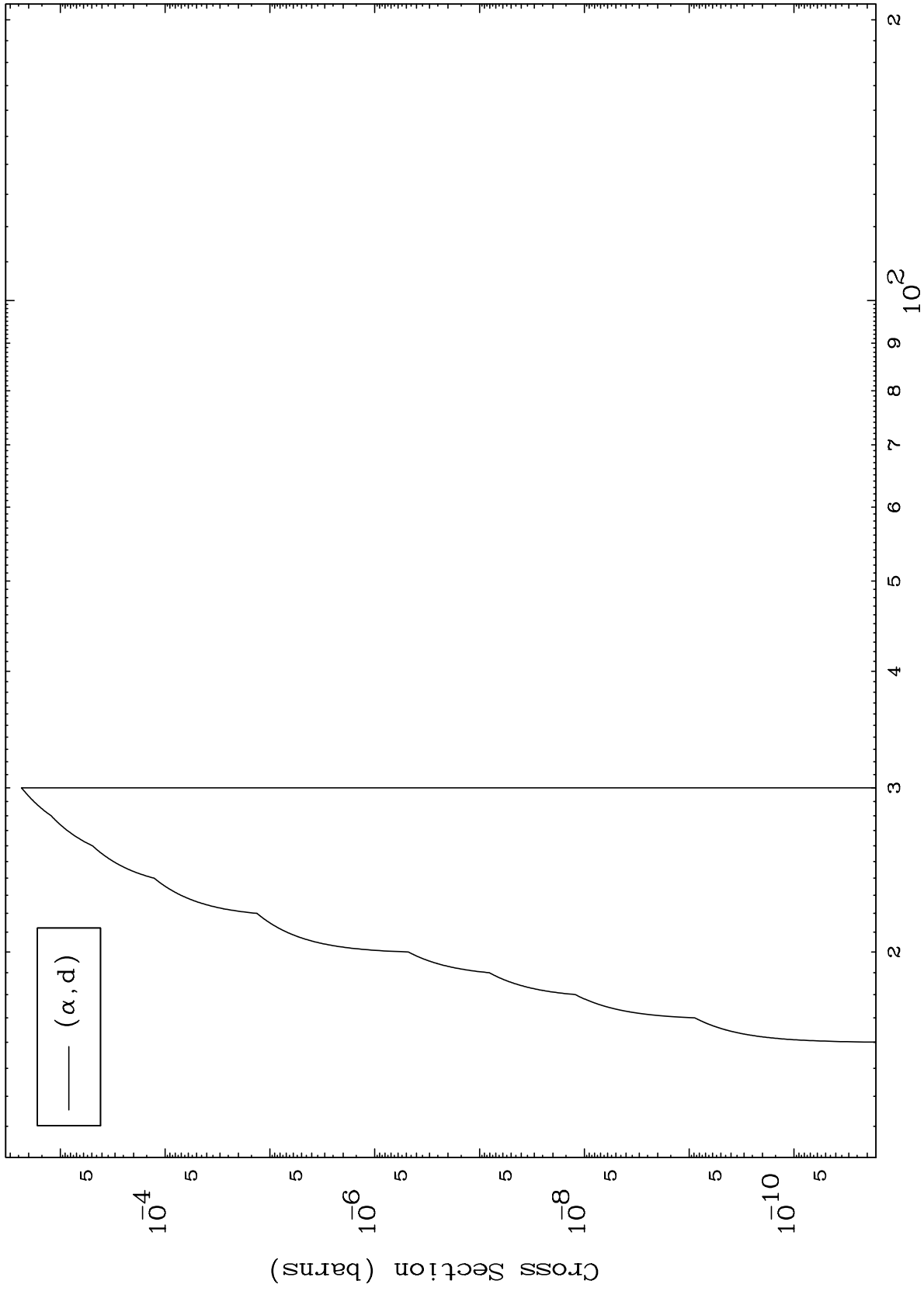


6

MAT 5817

(α, d) Levels
0 Kelvin Cross Sections

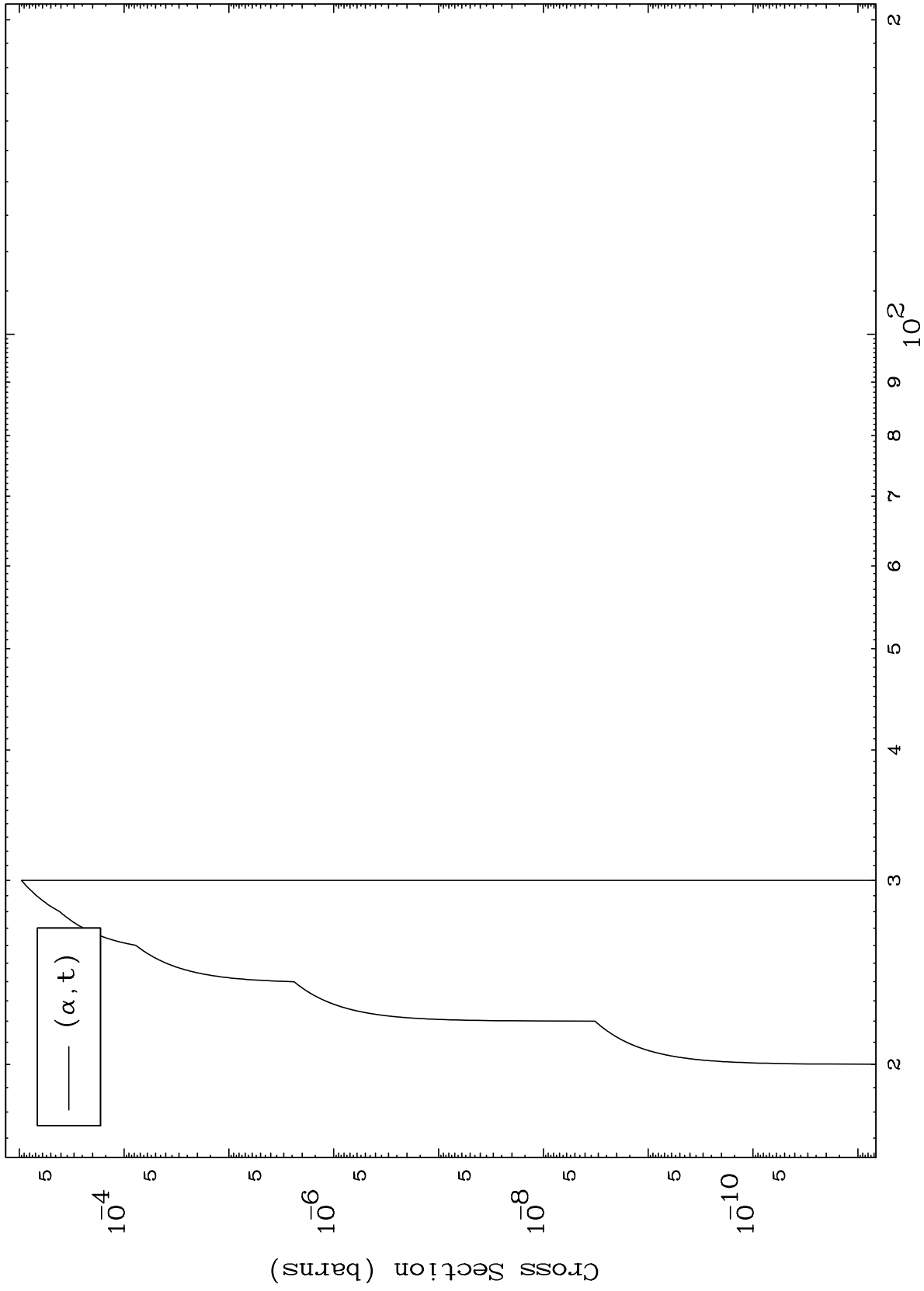
58-Ce-133



7

Incident Energy (MeV)

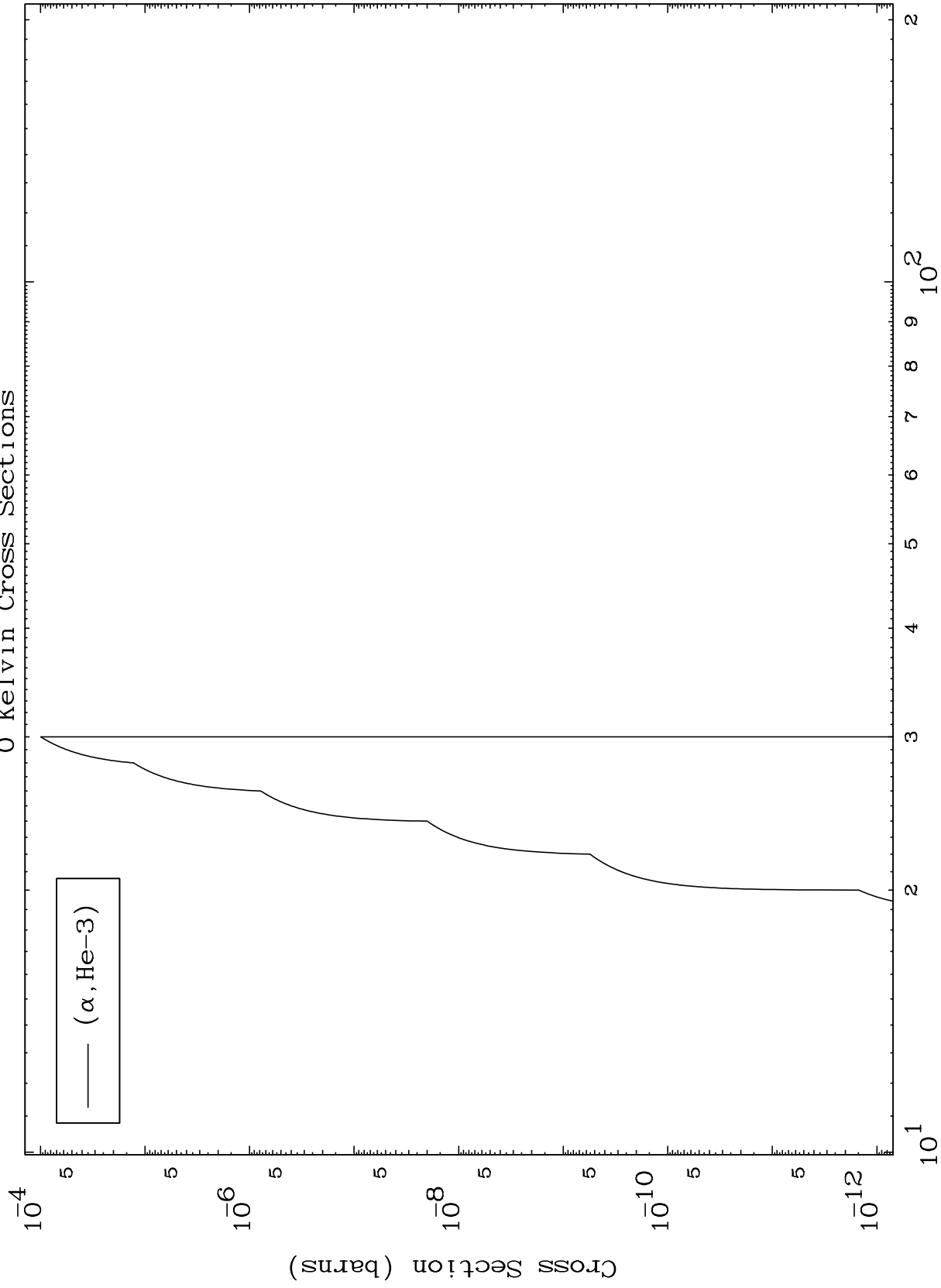
58-Ce-133



MAT 5817

($\alpha, \text{He3}$) Levels
0 Kelvin Cross Sections

58-Ce-133



9

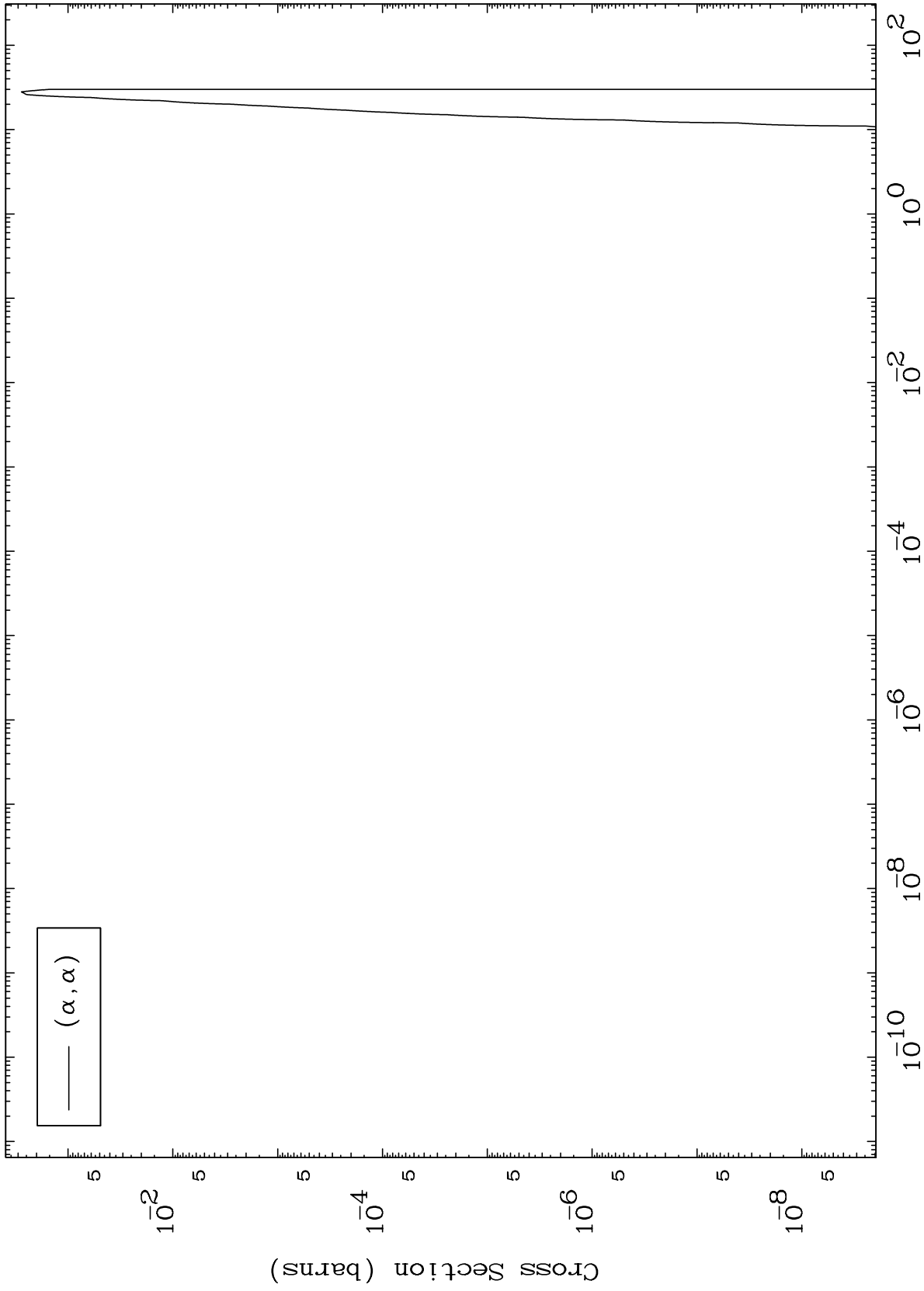
Incident Energy (MeV)

58-Ce-133

MAT 5817

(α, α) Levels
0 Kelvin Cross Sections

58-Ce-133



10

Incident Energy (MeV)

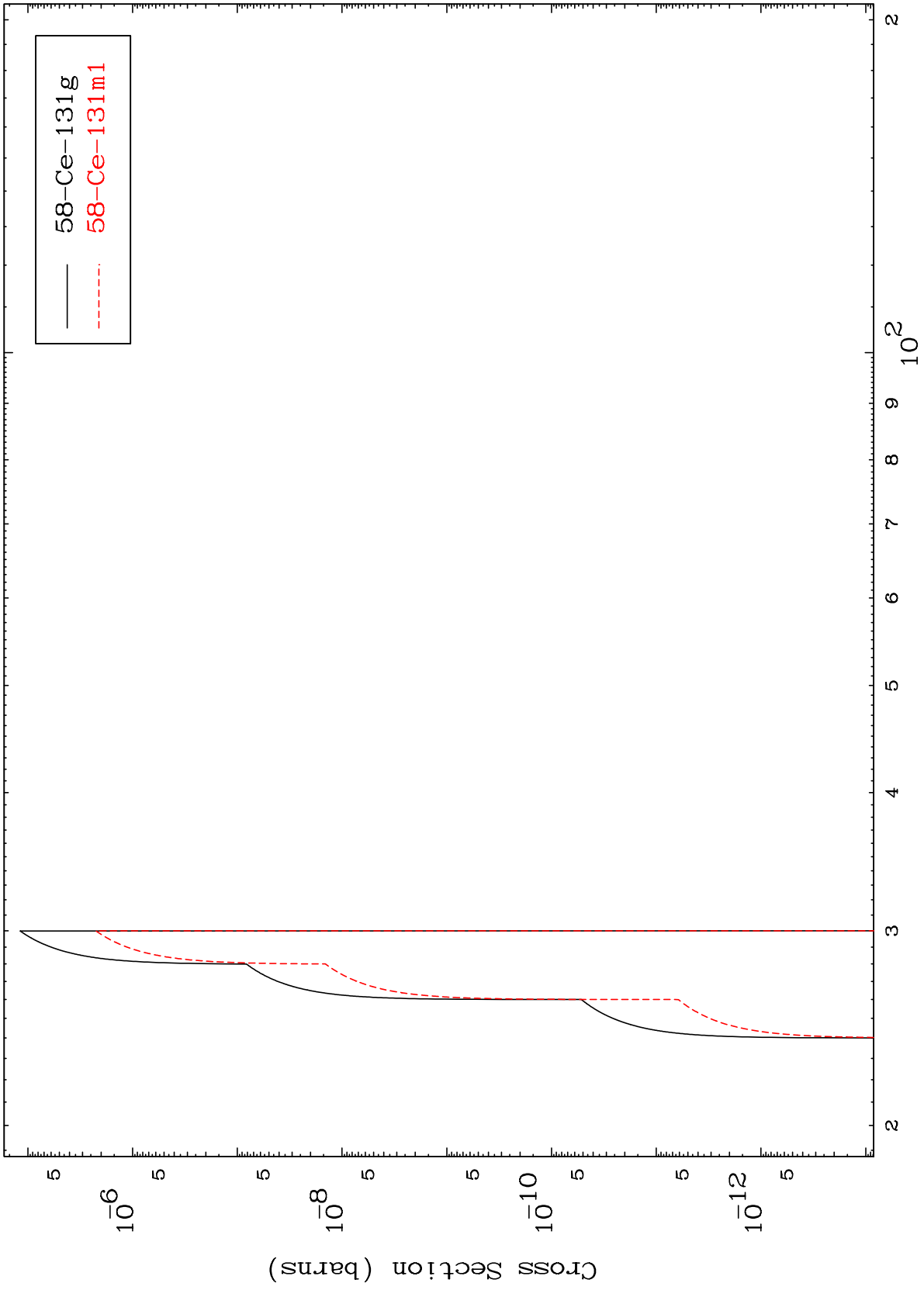
58-Ce-133

MAT 5817

$(\alpha, 2n) \alpha$

58-Ce-133

Radionuclide Production Cross Section



11

Incident Energy (MeV)

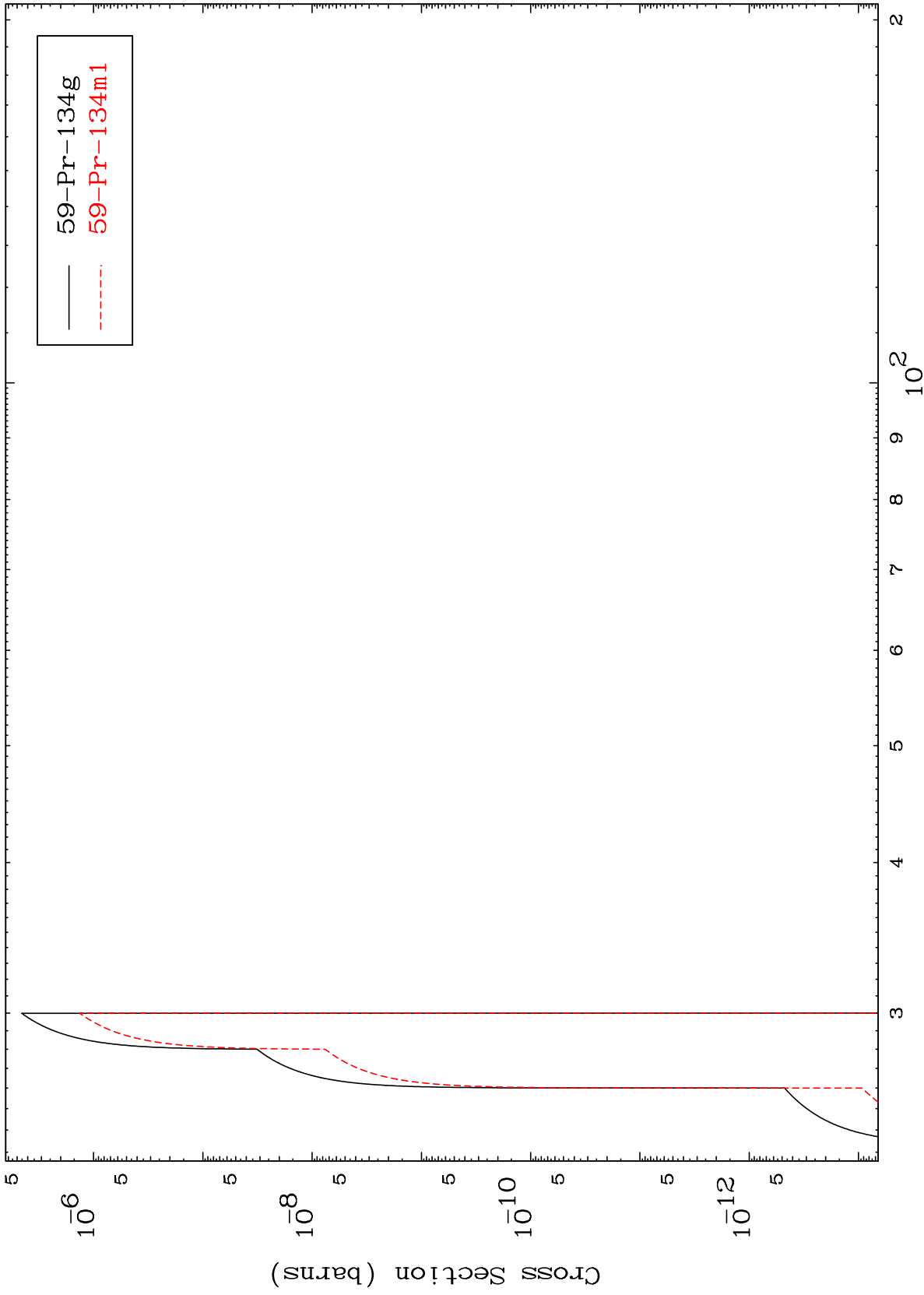
58-Ce-133

MAT 5817

(α, n') d

58-Ce-133

Radionuclide Production Cross Section



12

Incident Energy (MeV)

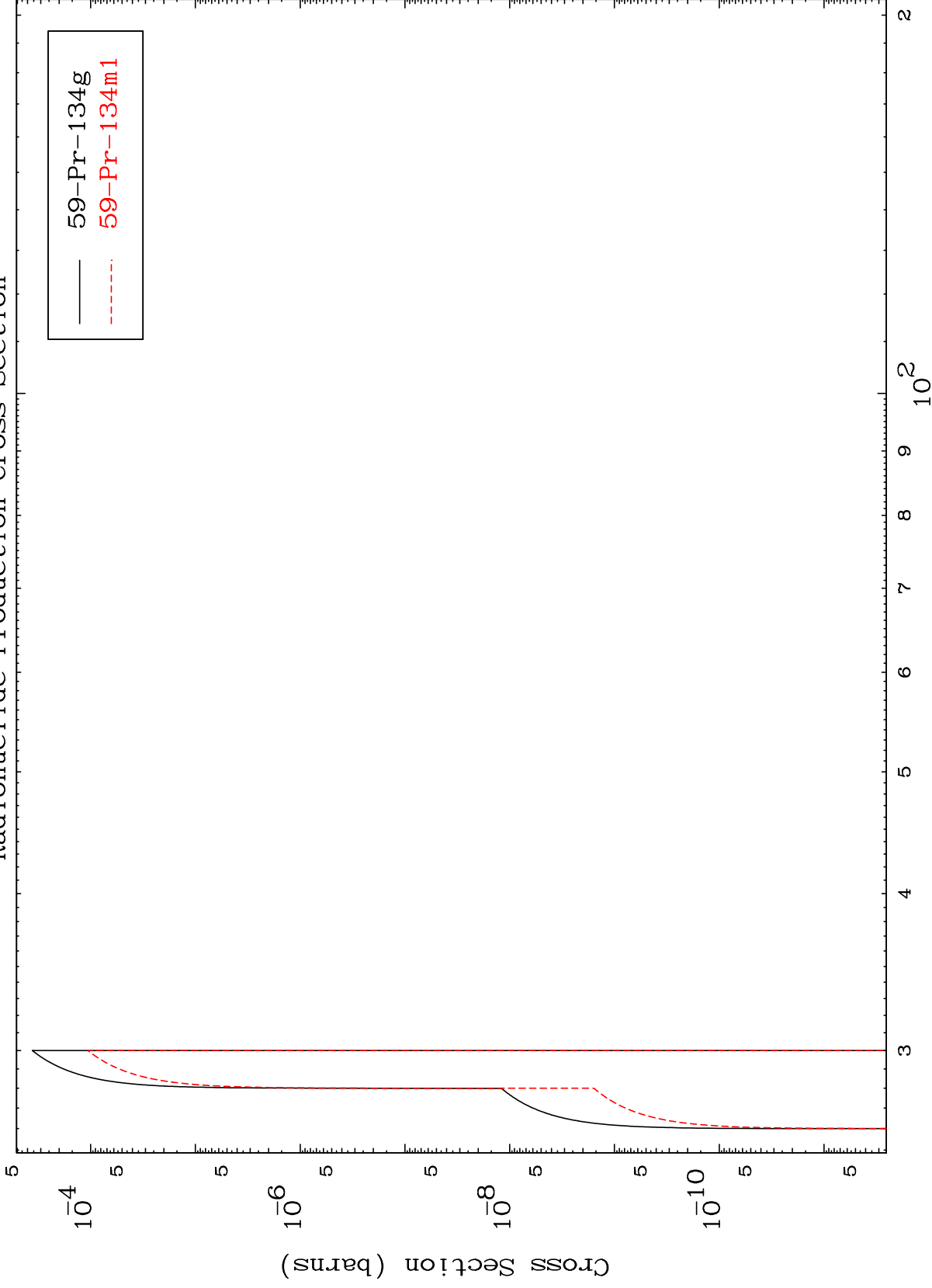
58-Ce-133

MAT 5817

($\alpha, 2n$) p

58-Ce-133

Radionuclide Production Cross Section



13

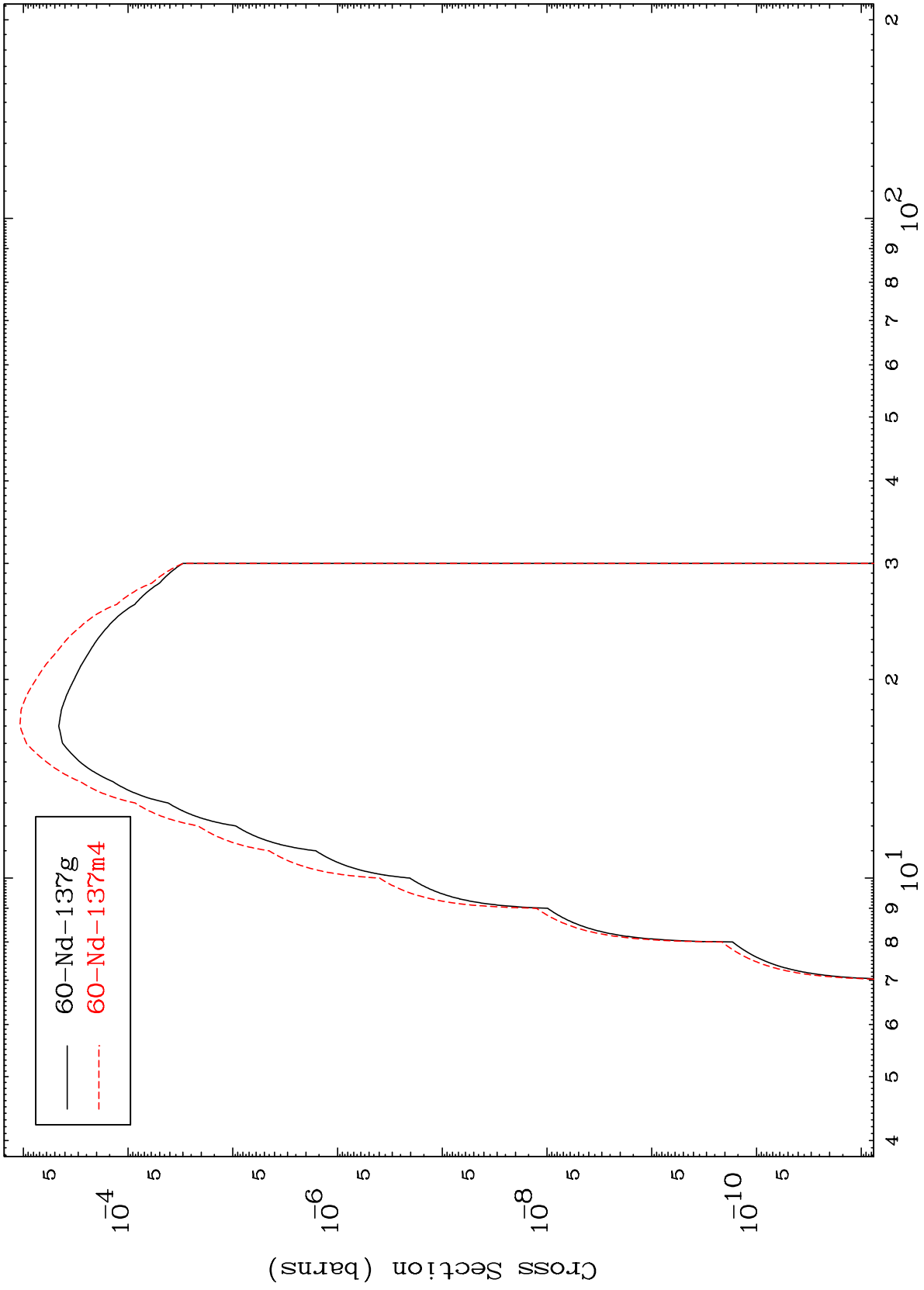
Incident Energy (MeV)

58-Ce-133

MAT 5817

58-Ce-133

(α, γ)
Radionuclide Production Cross Section



14

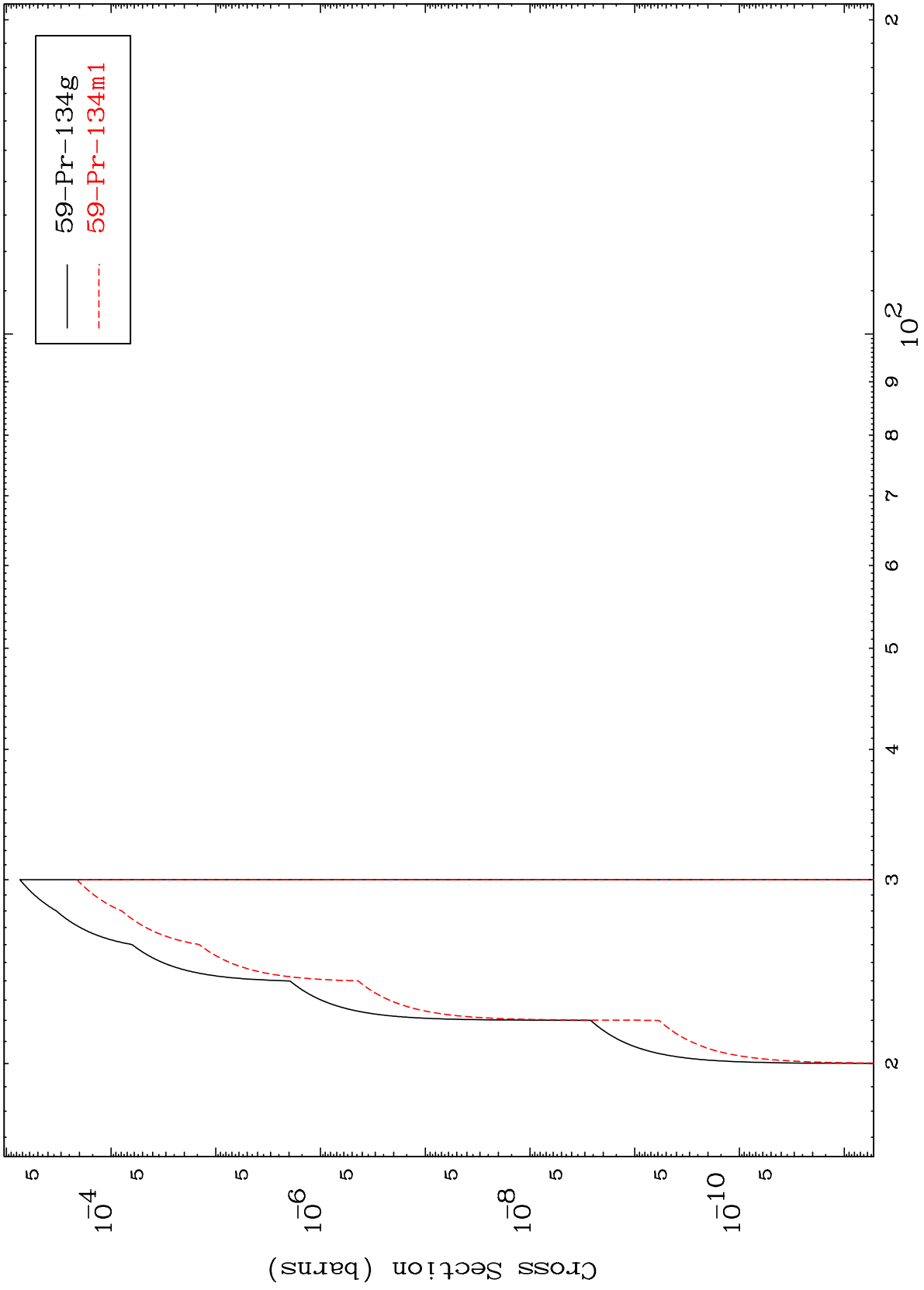
Incident Energy (MeV)

58-Ce-133

MAT 5817

58-Ce-133

(α, t)
Radionuclide Production Cross Section



15

Incident Energy (MeV)

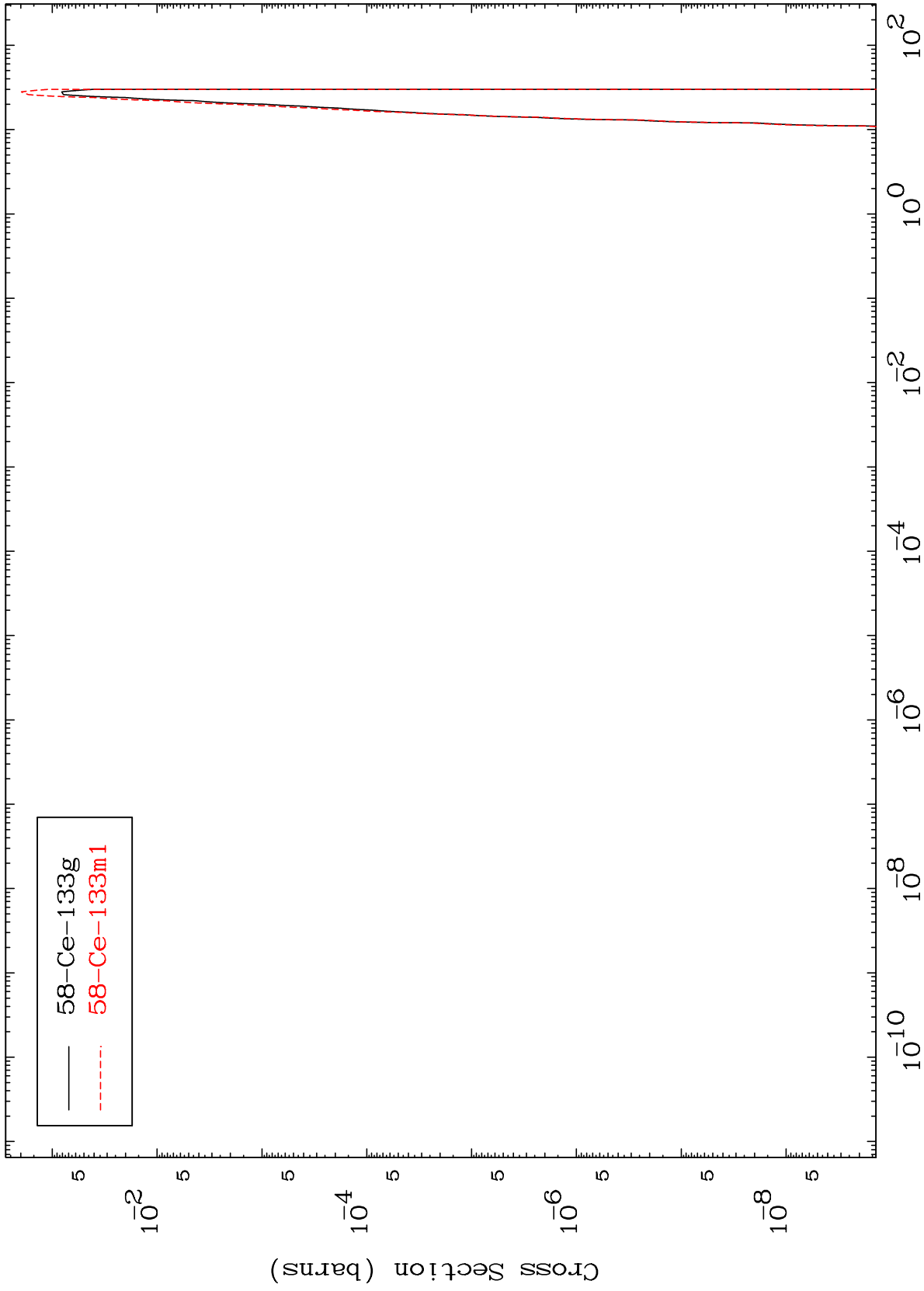
58-Ce-133

MAT 5817

(α, α)

58-Ce-133

Radionuclide Production Cross Section



16

Incident Energy (MeV)

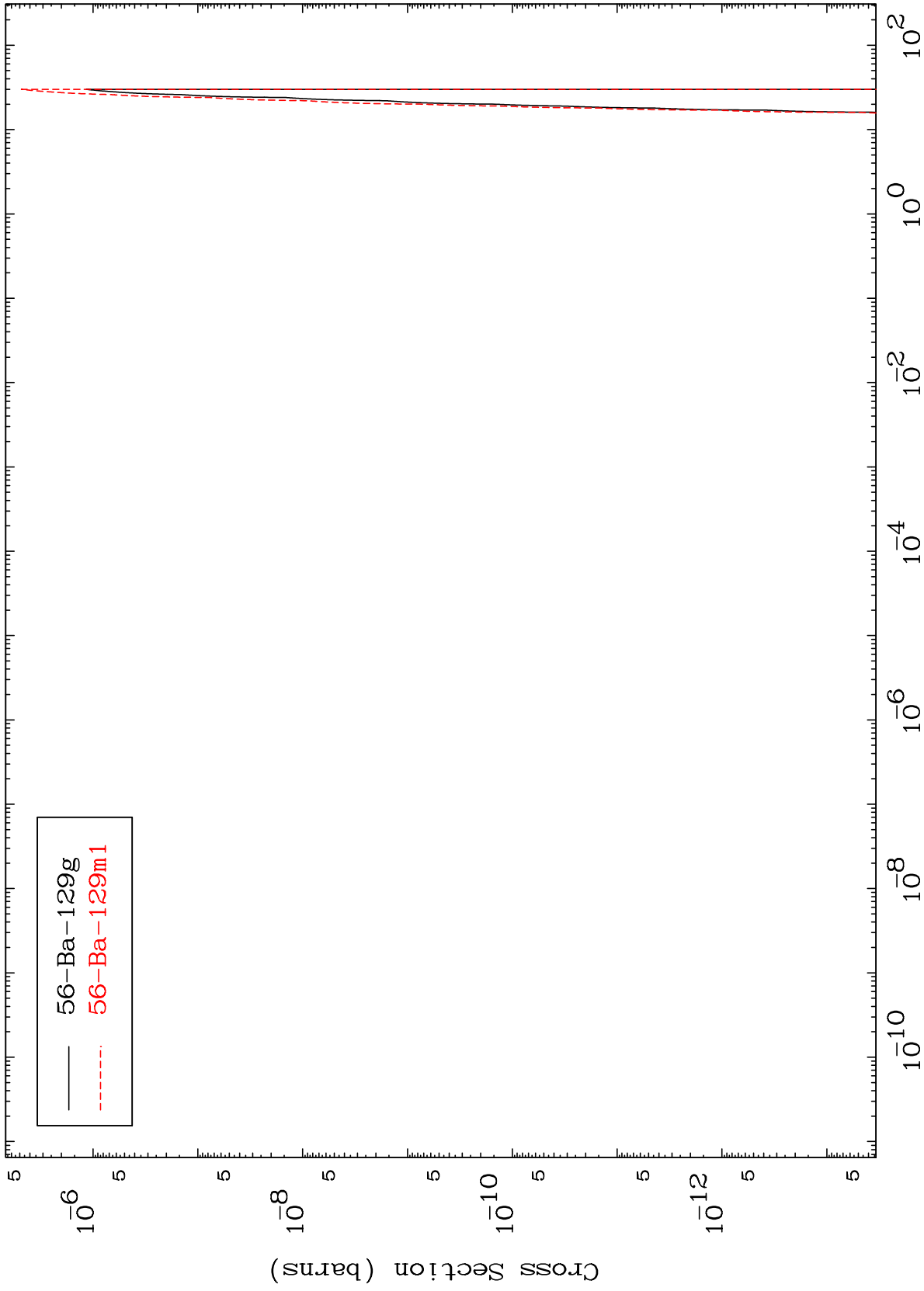
58-Ce-133

MAT 5817

($\alpha, 2\alpha$)

58-Ce-133

Radionuclide Production Cross Section



17

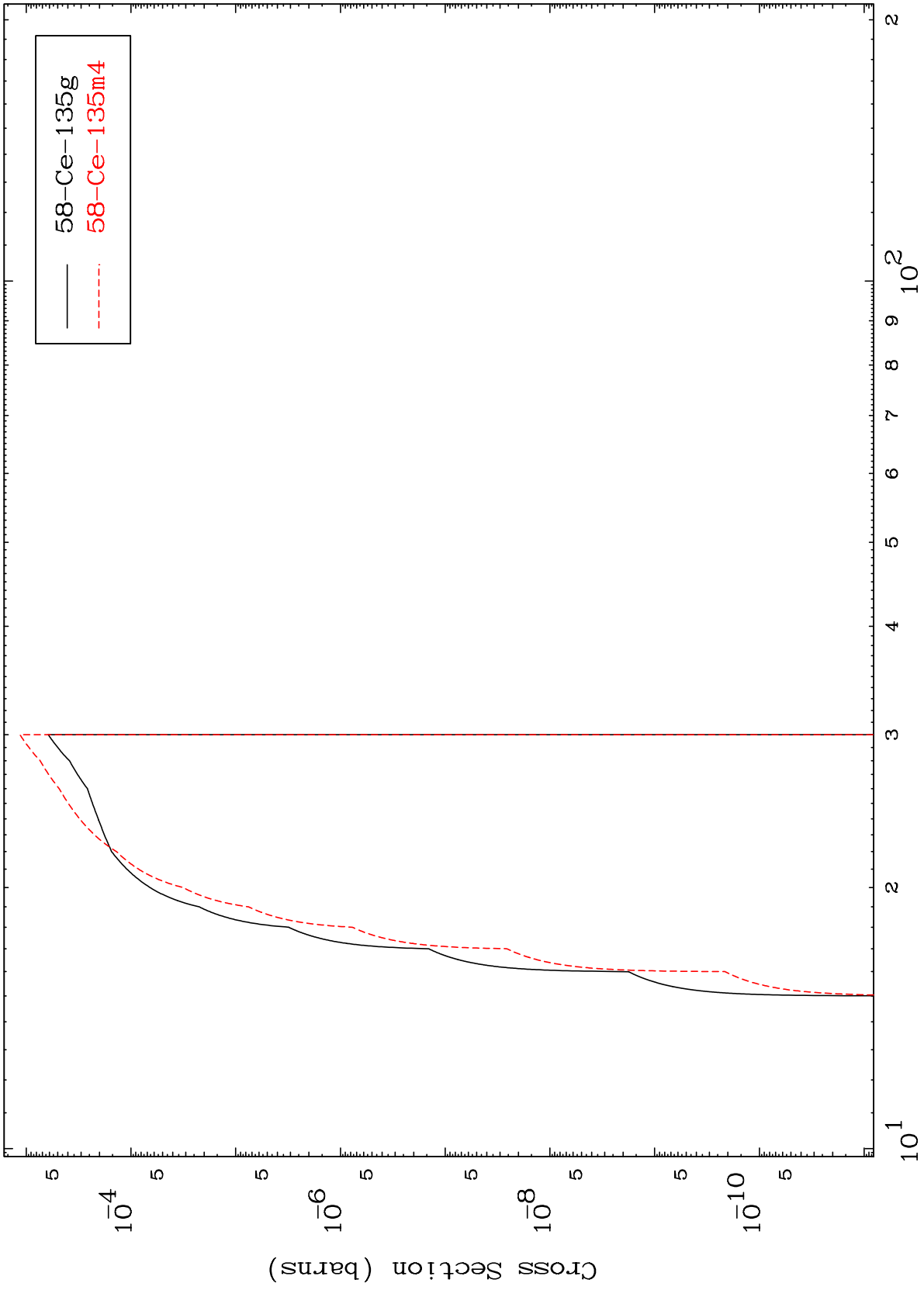
Incident Energy (MeV)

58-Ce-133

MAT 5817

58-Ce-133

($\alpha, 2p$)
Radionuclide Production Cross Section



58-Ce-133

Incident Energy (MeV)

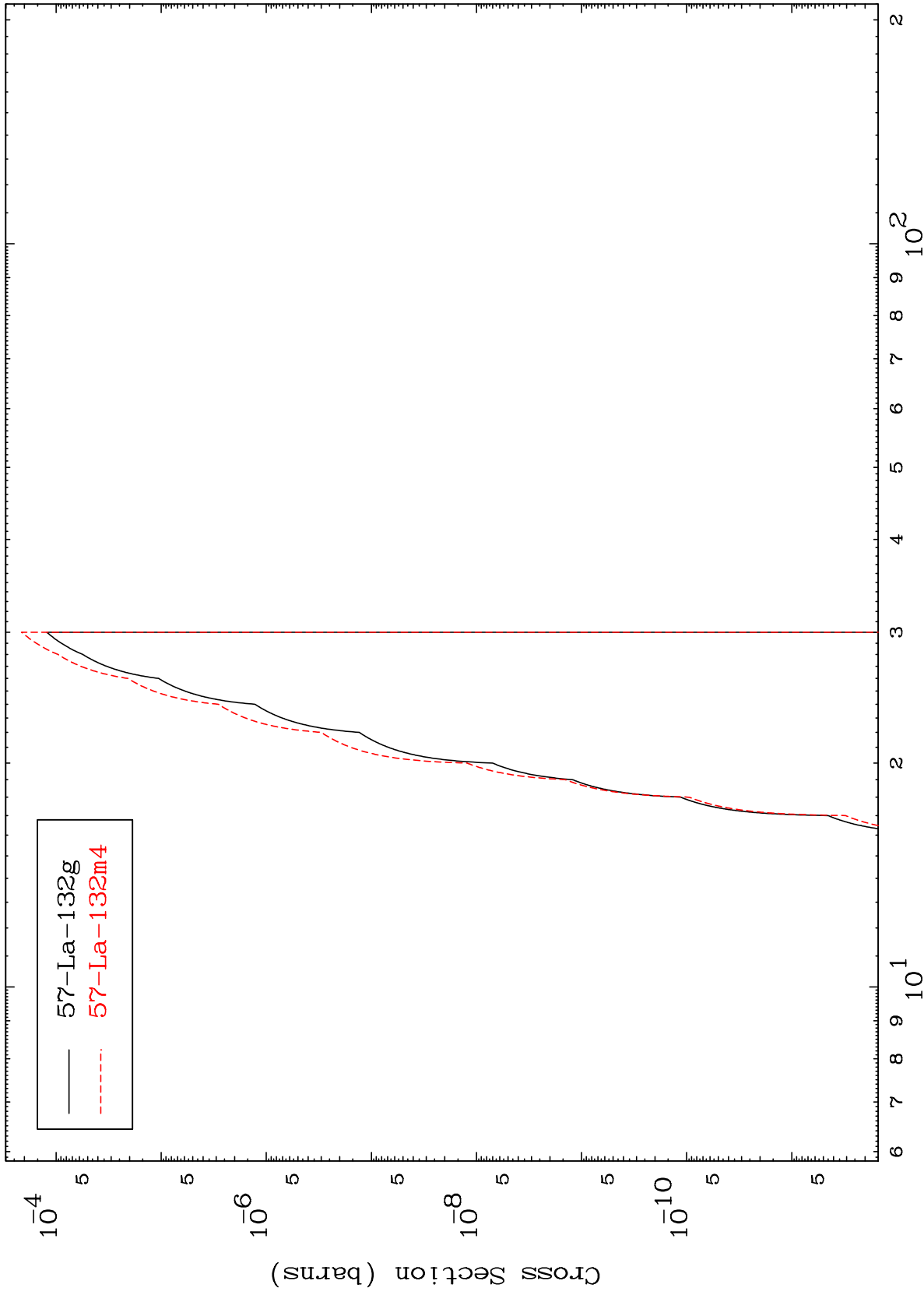
18

MAT 5817

(α, p) α

58-Ce-133

Radionuclide Production Cross Section



19

Incident Energy (MeV)

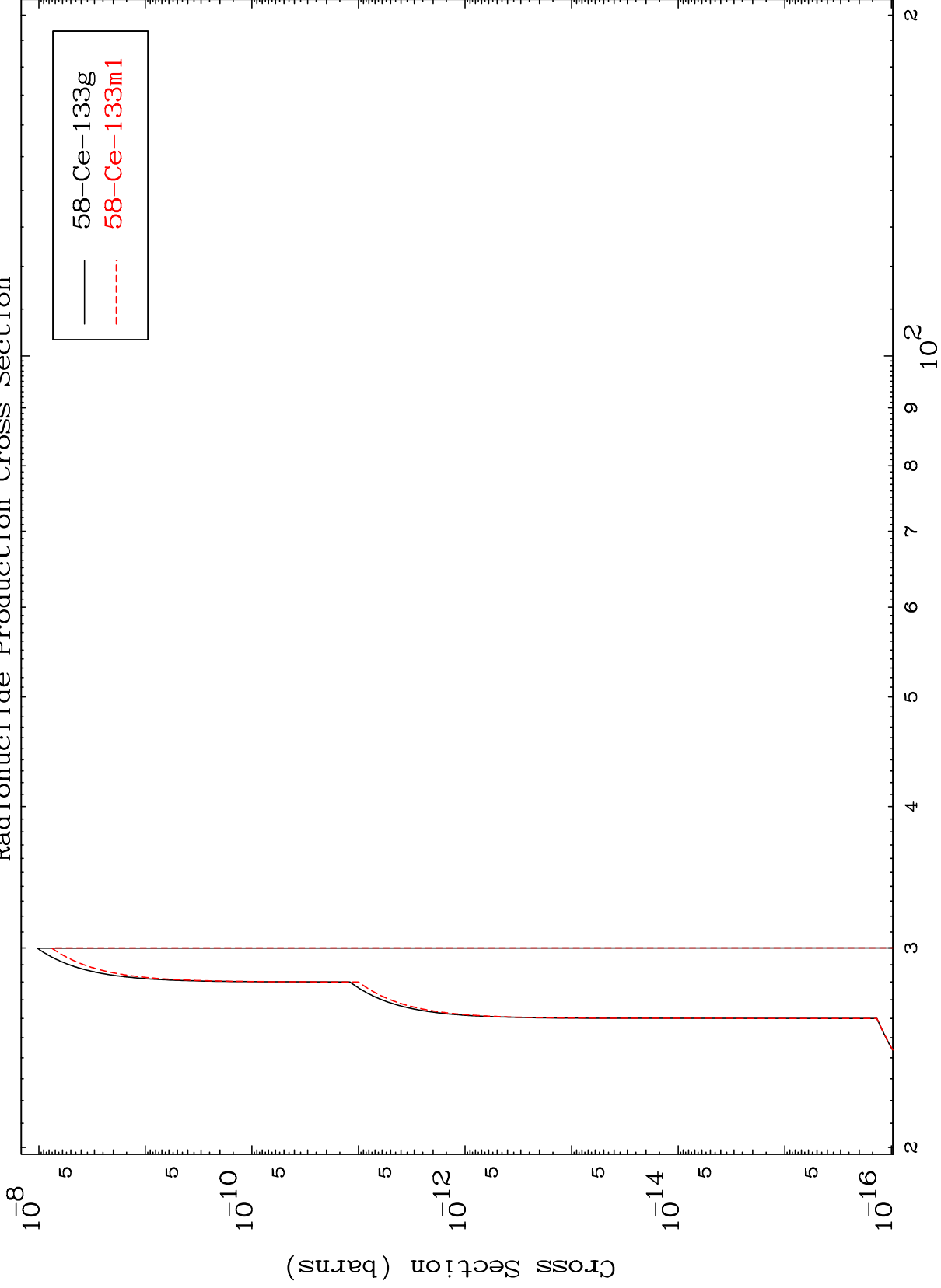
58-Ce-133

MAT 5817

(α, p) t

58-Ce-133

Radionuclide Production Cross Section



20

Incident Energy (MeV)

58-Ce-133