

Program EVALPLOT
(Version 2018-1)

by

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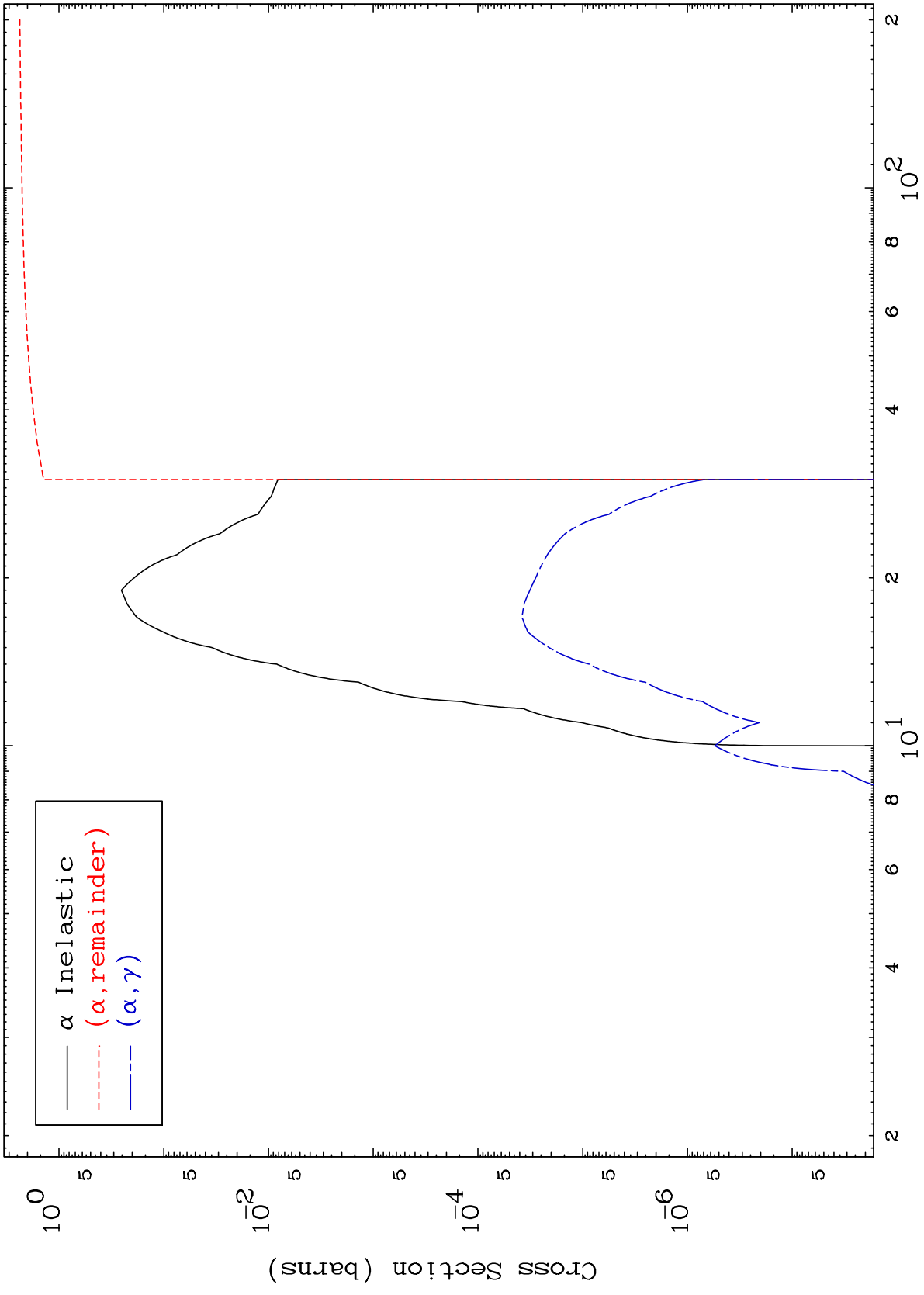
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5837

0 Kelvin α Major

58-Ce-140



— α Inelastic
- - - $(\alpha, \text{remainder})$
- - - (α, γ)

1

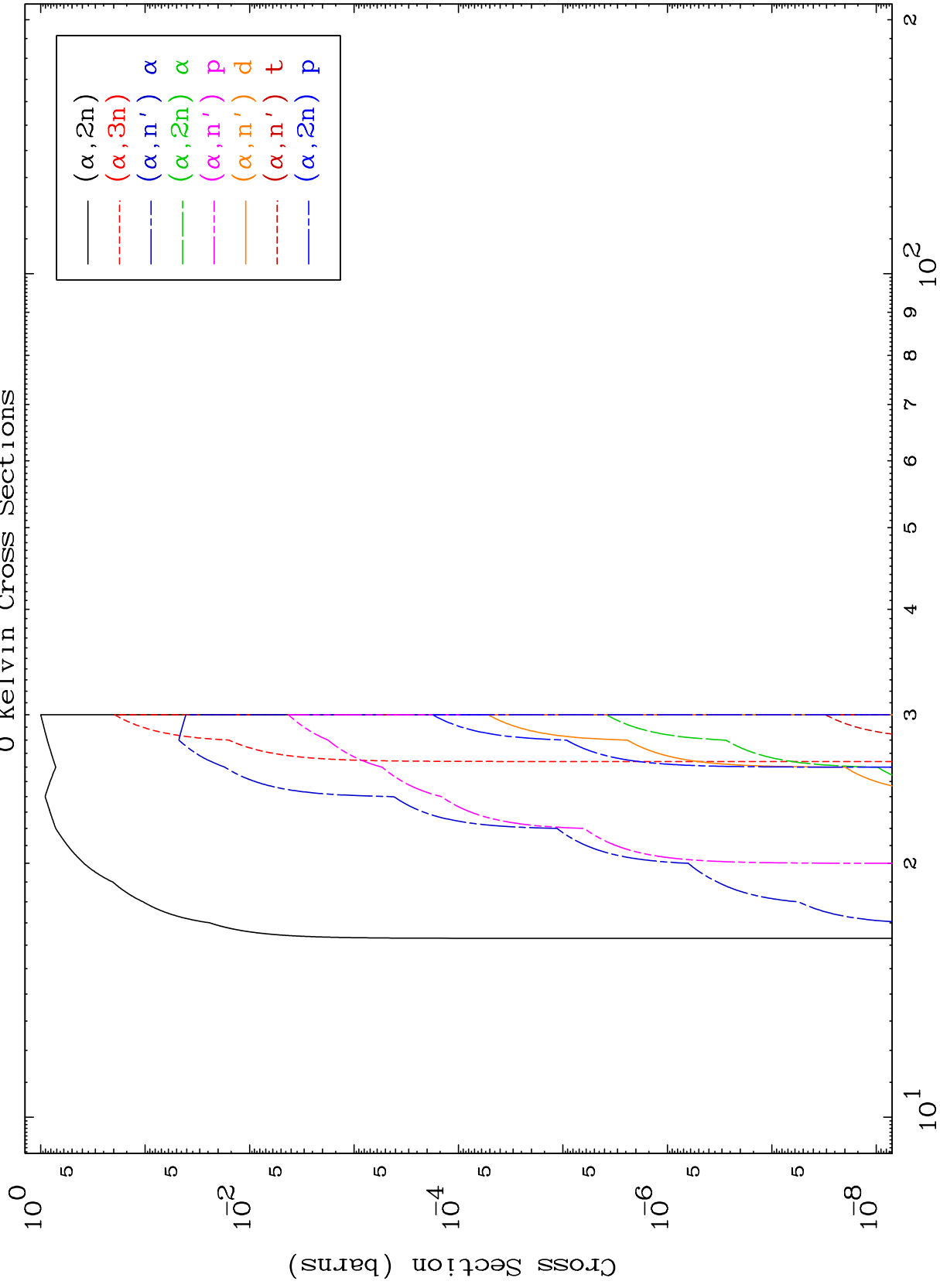
Incident Energy (MeV)

58-Ce-140

MAT 5837

α Neutron Production
0 Kelvin Cross Sections

58-Ce-140

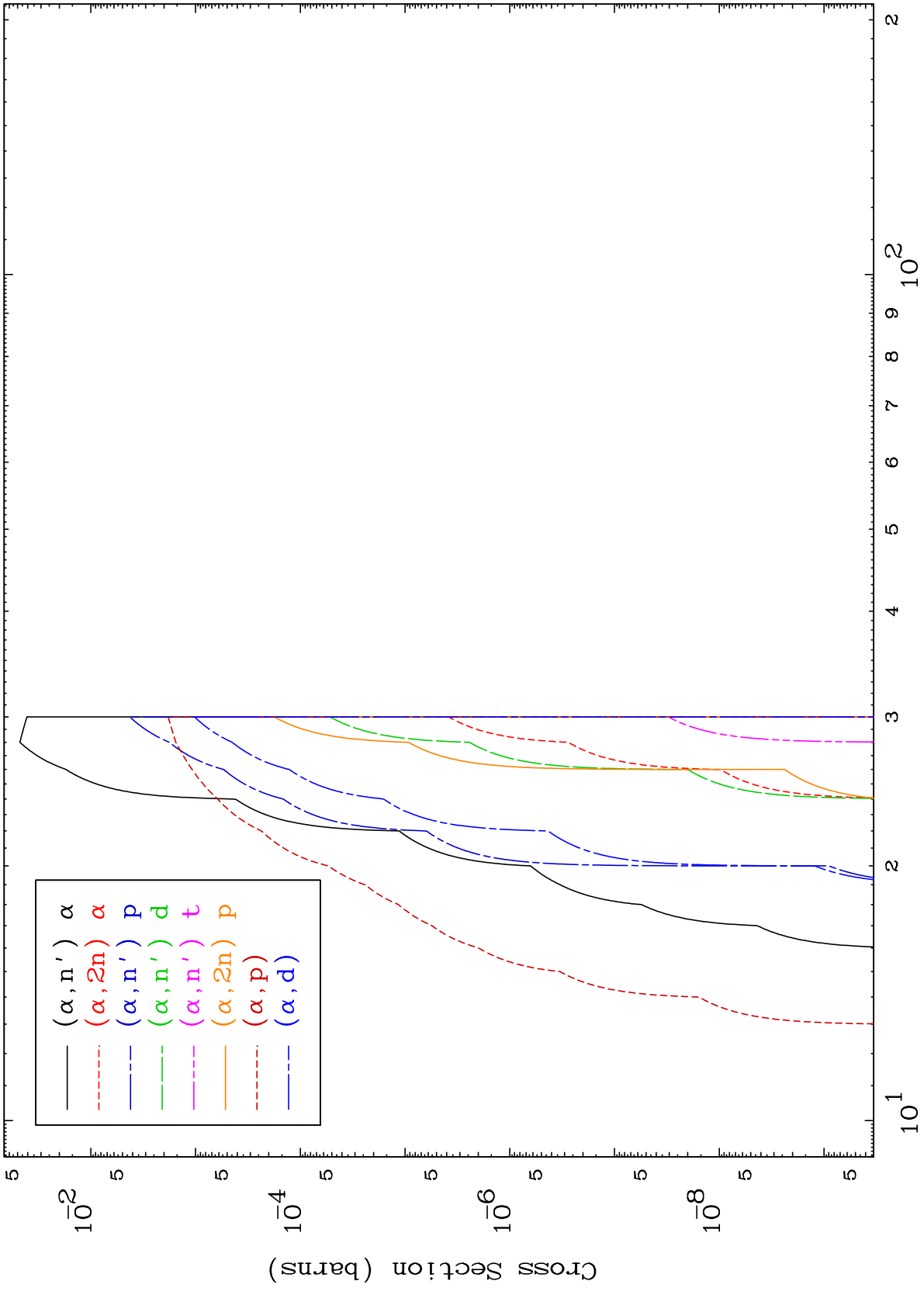


58-Ce-140

MAT 5837

α Charged Particle
0 Kelvin Cross Sections

58-Ce-140



58-Ce-140

Incident Energy (MeV)

10^1

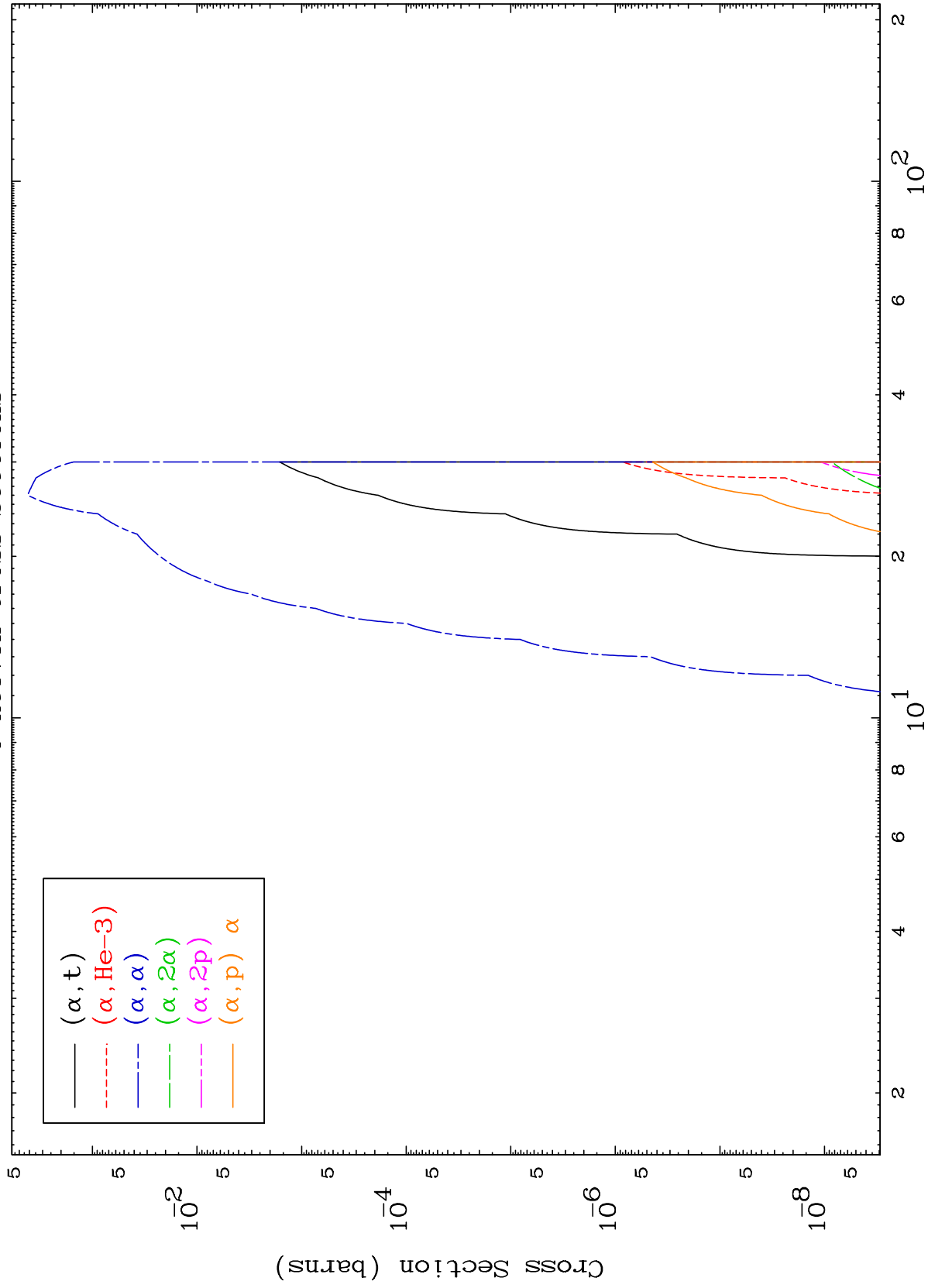
10^2

2

MAT 5837

α Charged Particle
0 Kelvin Cross Sections

58-Ce-140



4

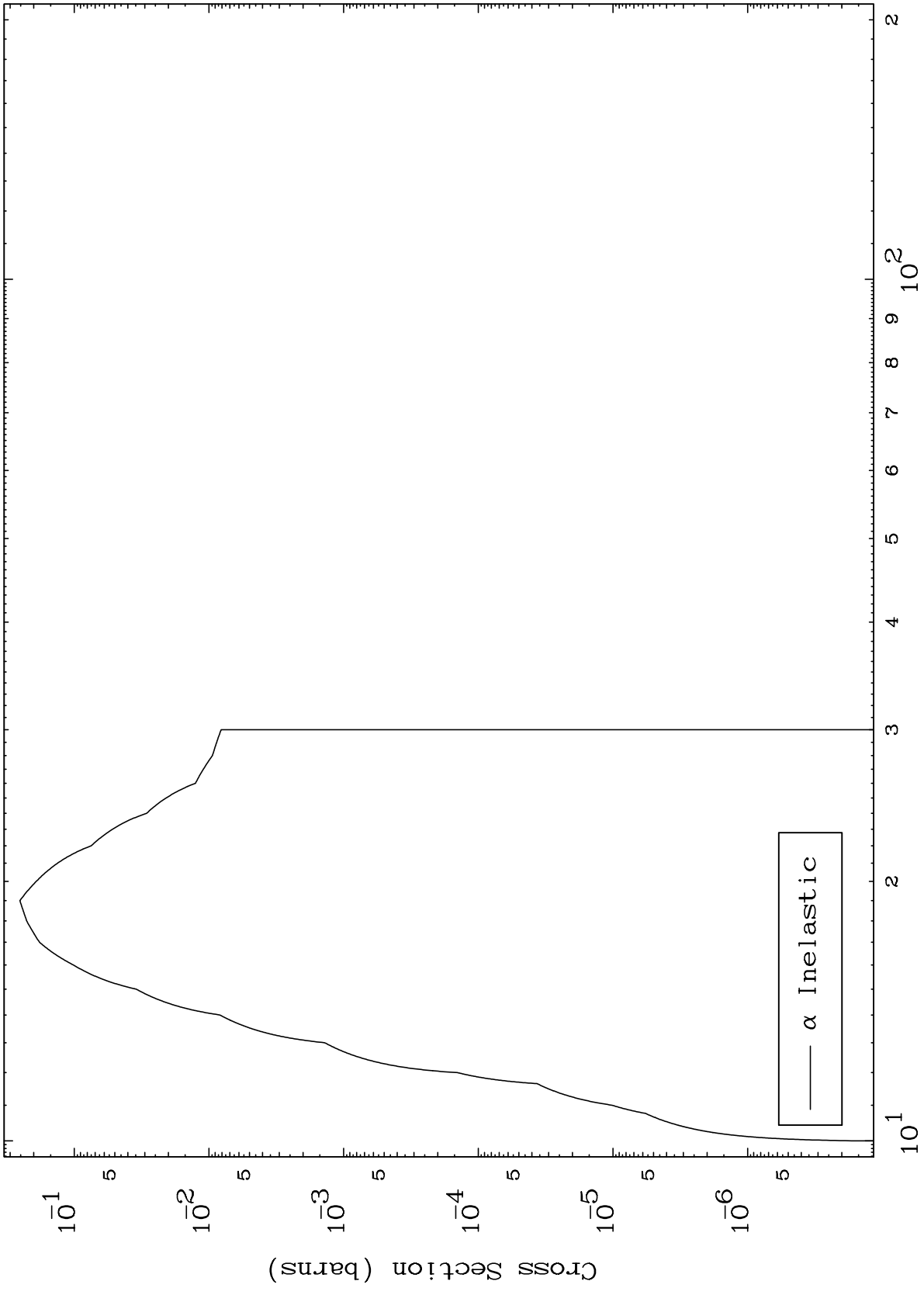
Incident Energy (MeV)

58-Ce-140

MAT 5837

(α, n') Level
0 Kelvin Cross Sections

58-Ce-140



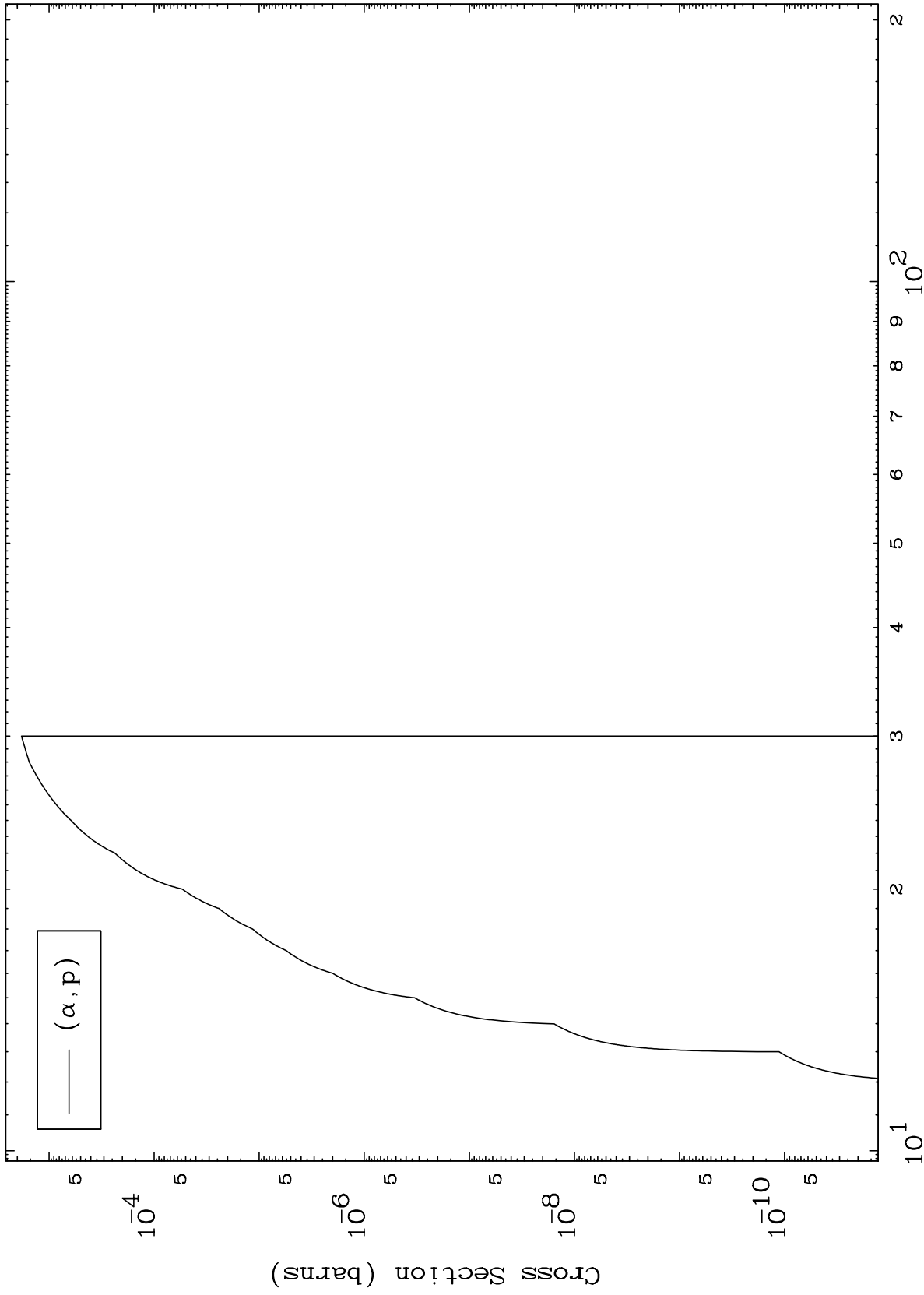
58-Ce-140

Incident Energy (MeV)

MAT 5837

(α, p) Levels
0 Kelvin Cross Sections

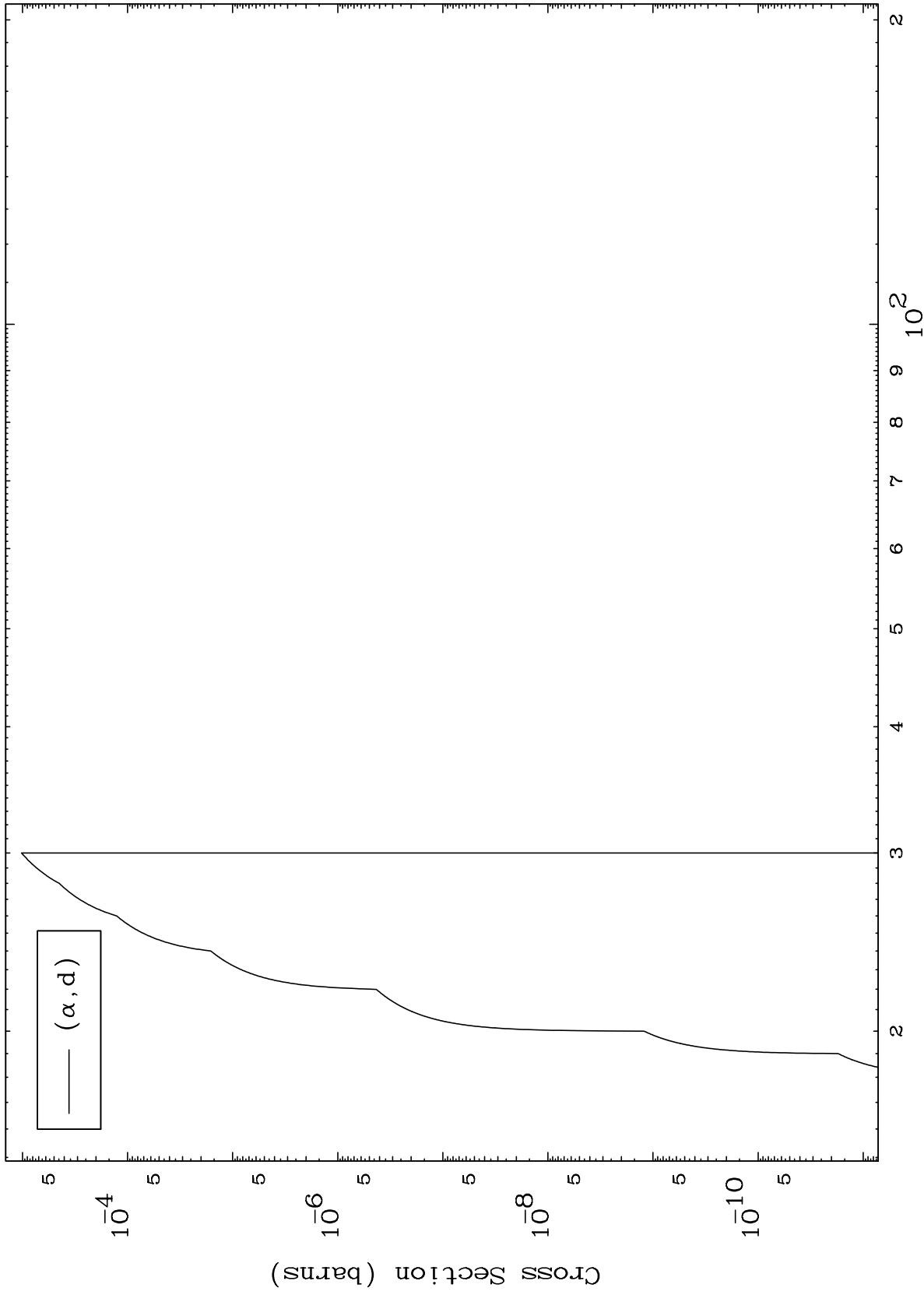
58-Ce-140



MAT 5837

(α, d) Levels
0 Kelvin Cross Sections

58-Ce-140



7

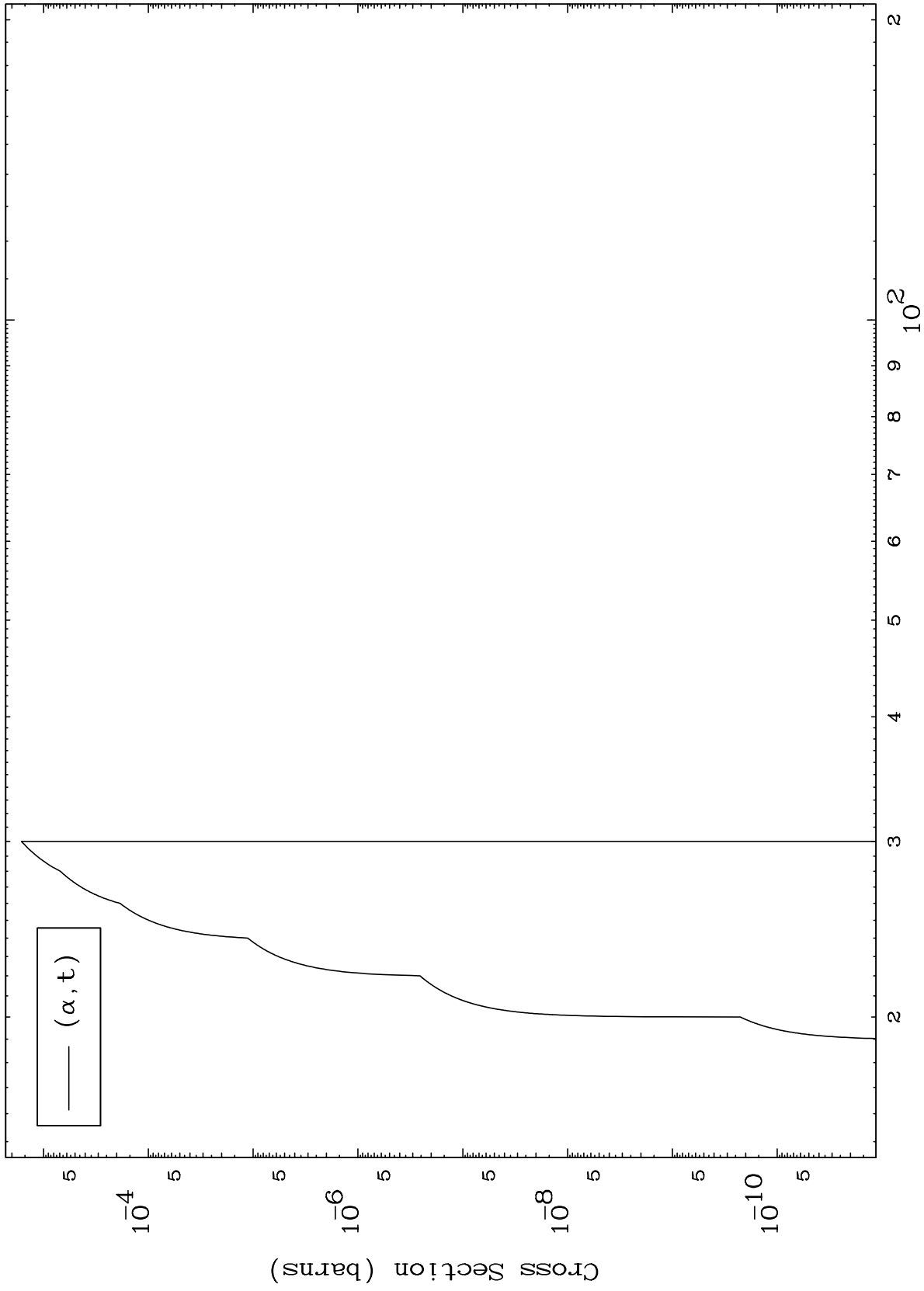
Incident Energy (MeV)

58-Ce-140

MAT 5837

(α, t) Levels
0 Kelvin Cross Sections

58-Ce-140



8

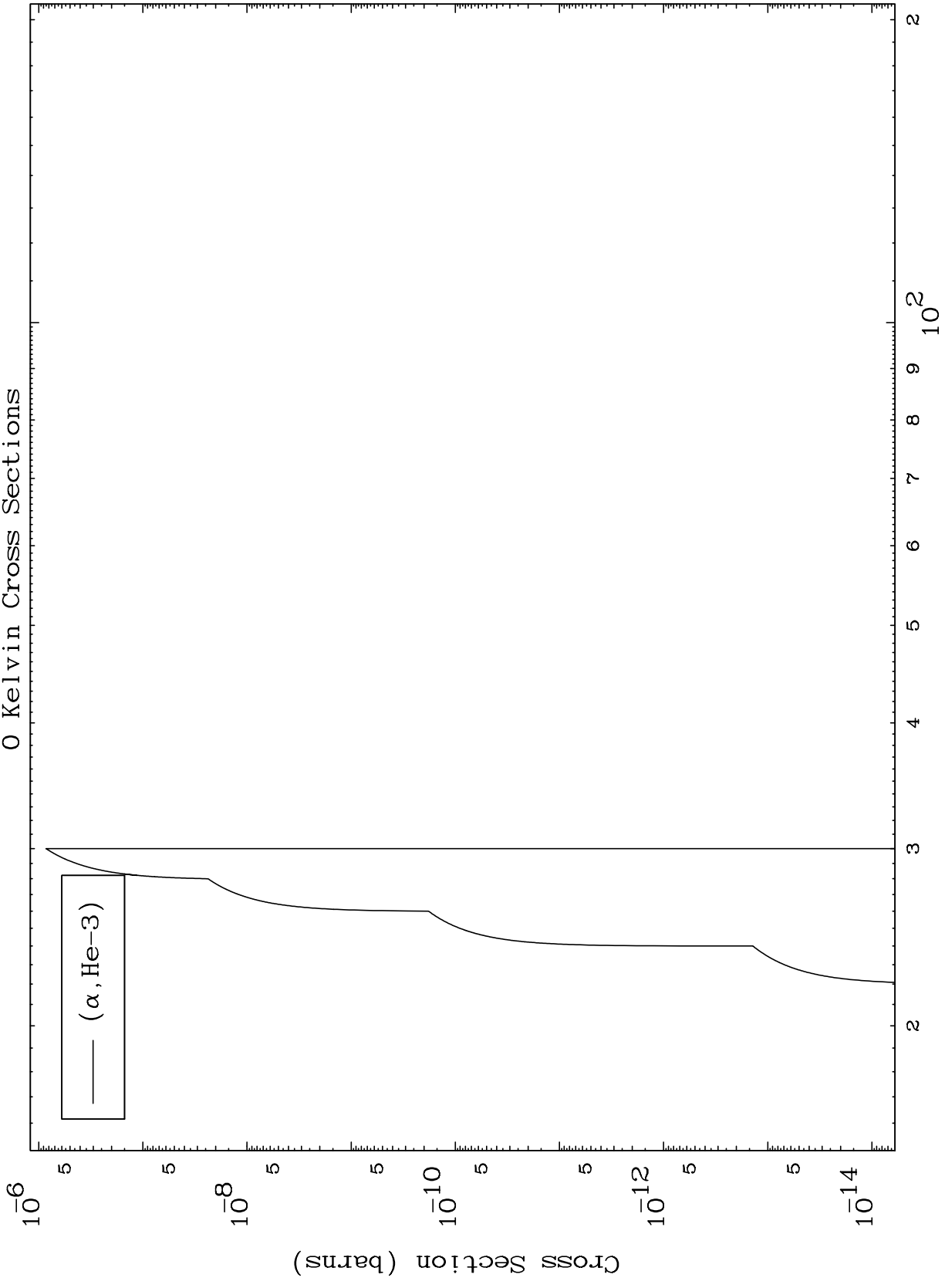
Incident Energy (MeV)

58-Ce-140

MAT 5837

(α ,He3) Levels
0 Kelvin Cross Sections

58-Ce-140



9

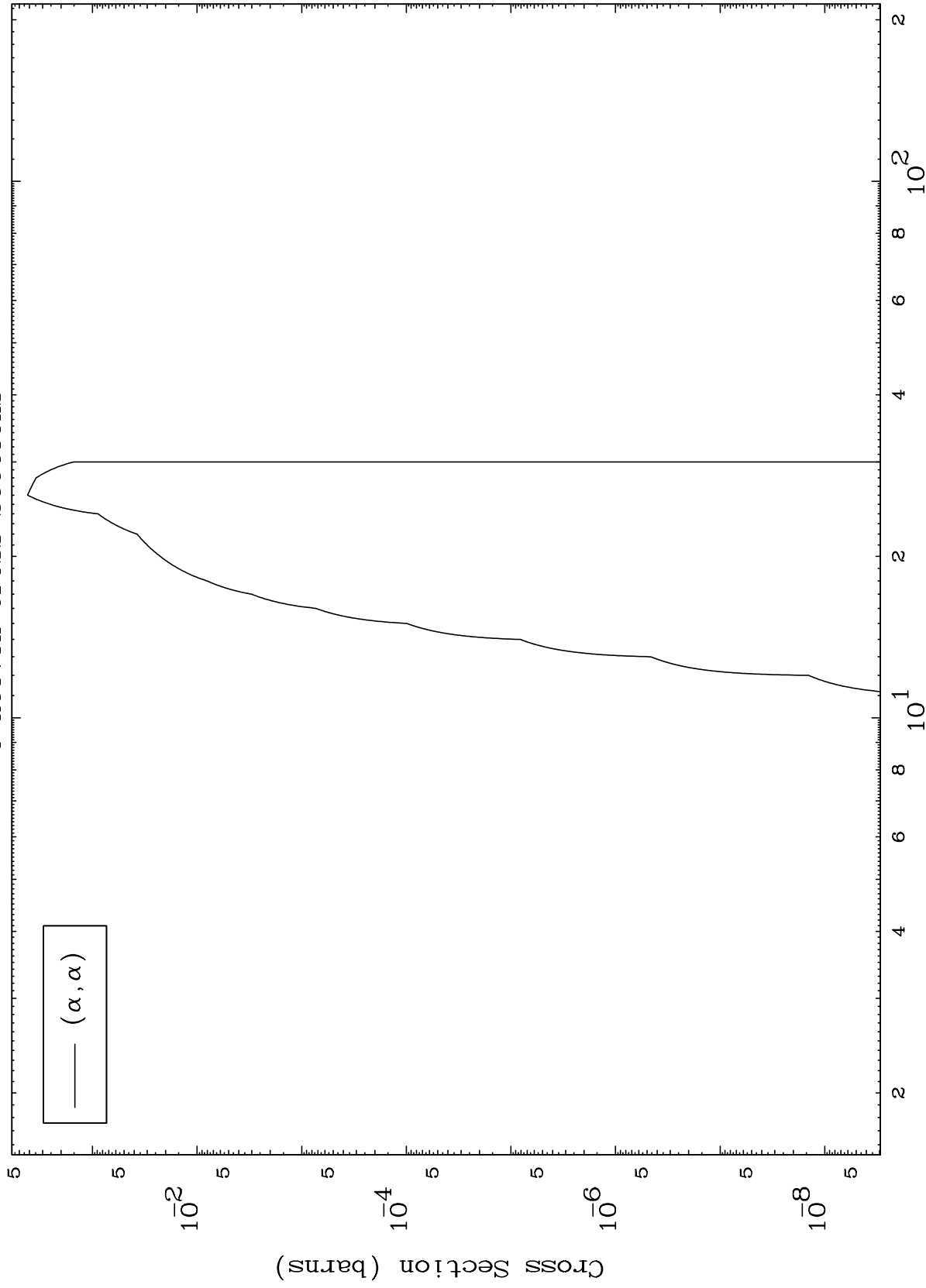
Incident Energy (MeV)

58-Ce-140

MAT 5837

(α, α) Levels
0 Kelvin Cross Sections

58-Ce-140



10

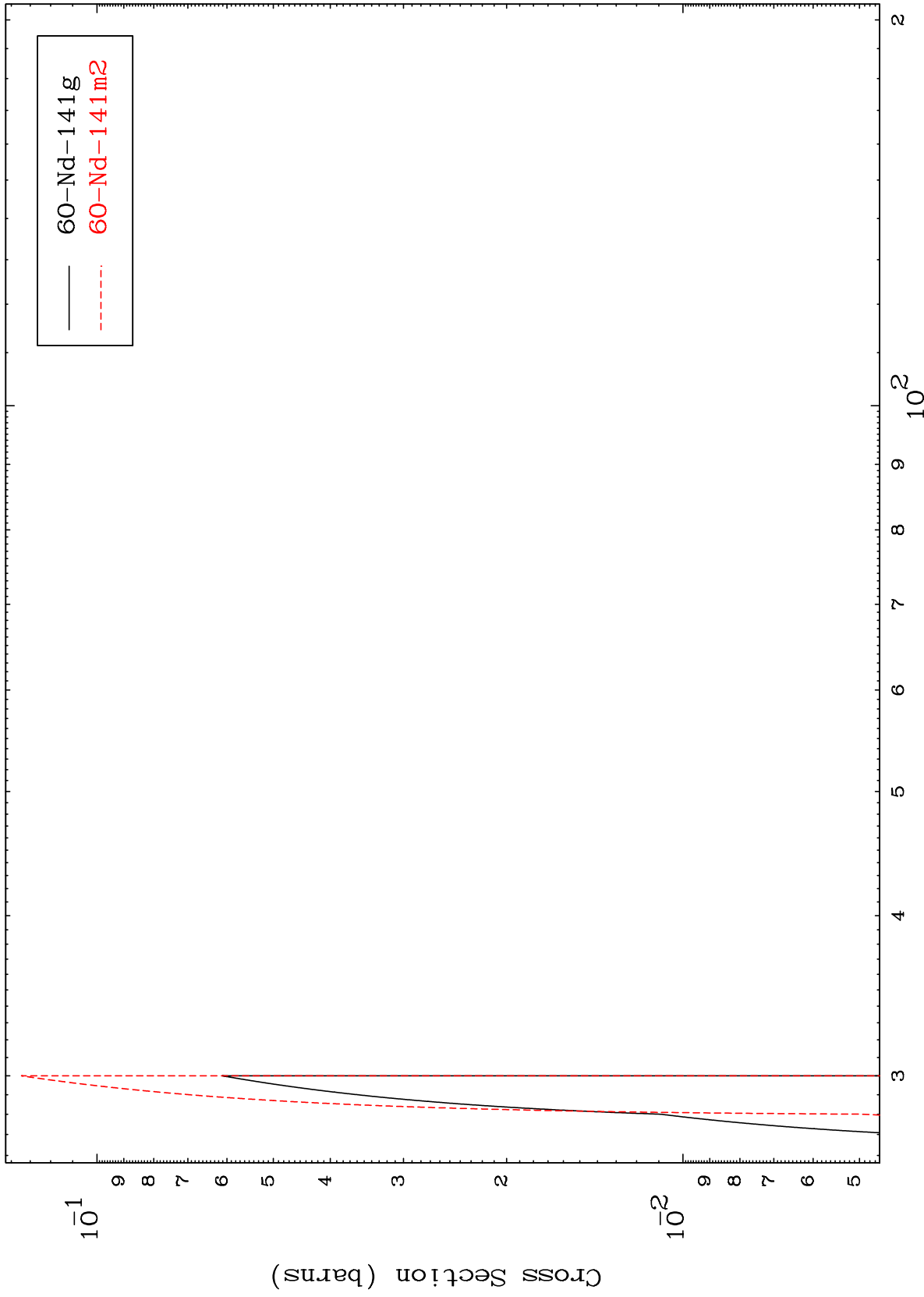
Incident Energy (MeV)

58-Ce-140

MAT 5837

58-Ce-140

($\alpha, 3n$)
Radionuclide Production Cross Section



11

Incident Energy (MeV)

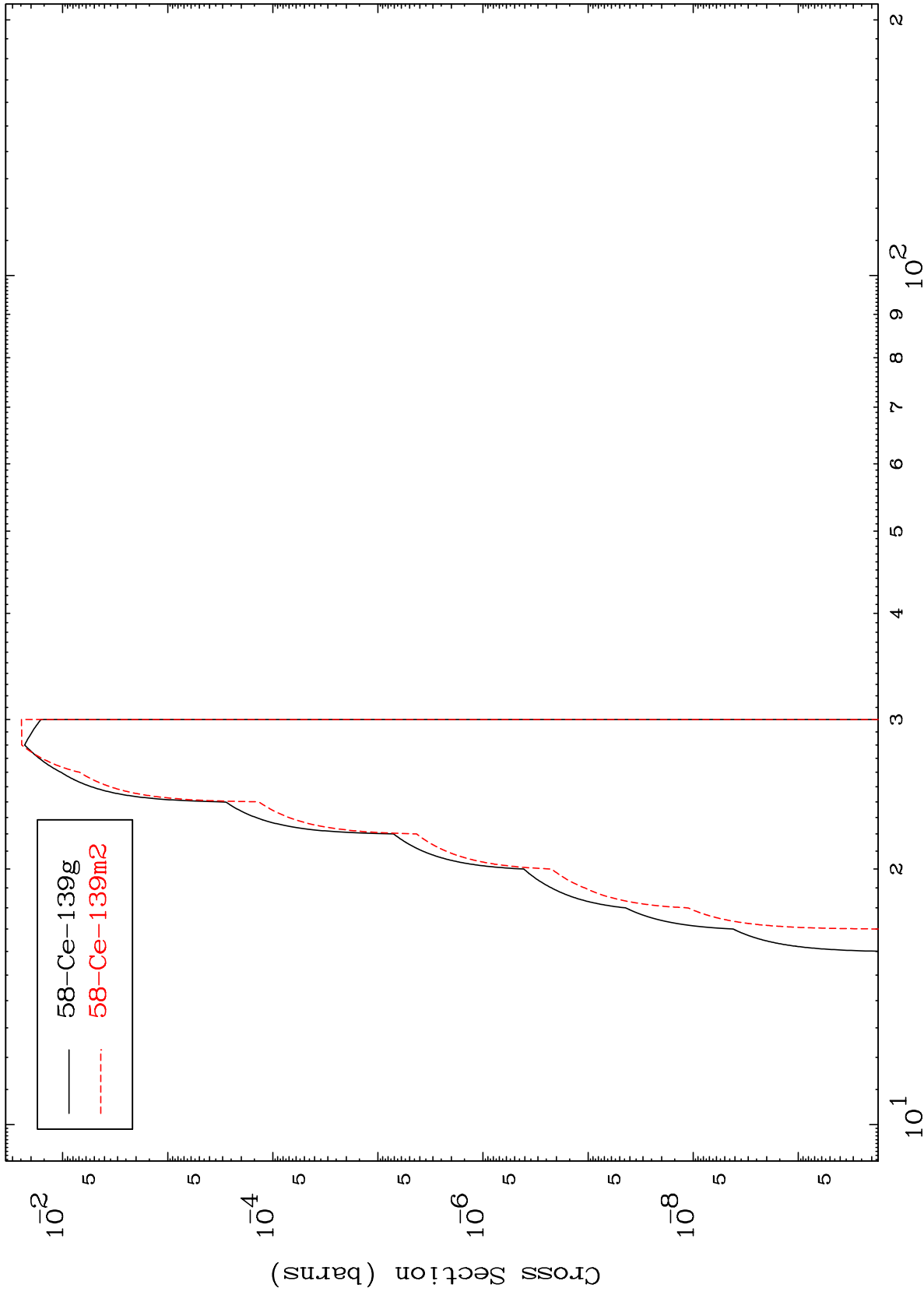
58-Ce-140

MAT 5837

(α, n') α

58-Ce-140

Radionuclide Production Cross Section



12

Incident Energy (MeV)

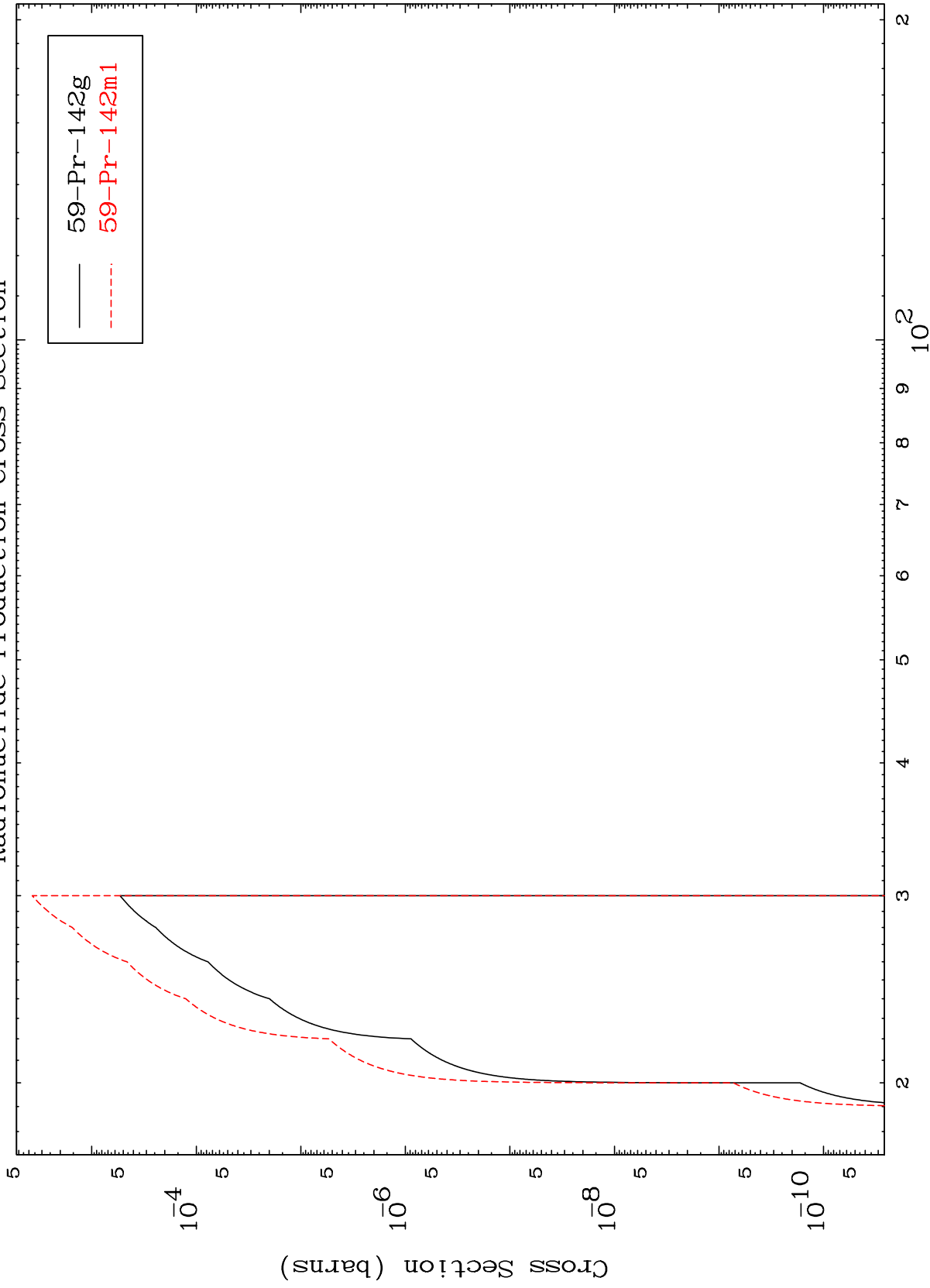
58-Ce-140

MAT 5837

(α, n') p

58-Ce-140

Radionuclide Production Cross Section



13

Incident Energy (MeV)

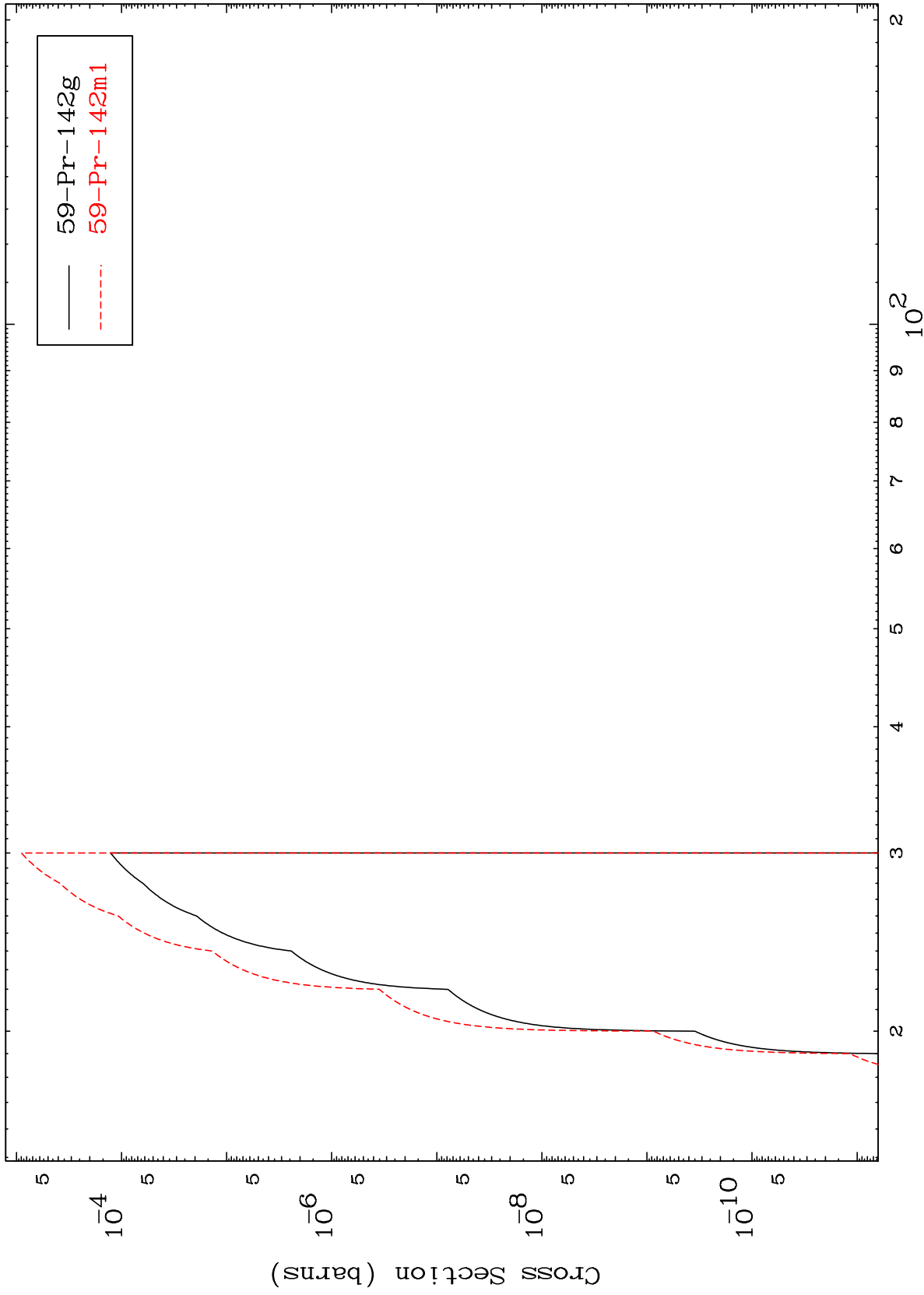
58-Ce-140

MAT 5837

(α, d)

58-Ce-140

Radionuclide Production Cross Section



14

Incident Energy (MeV)

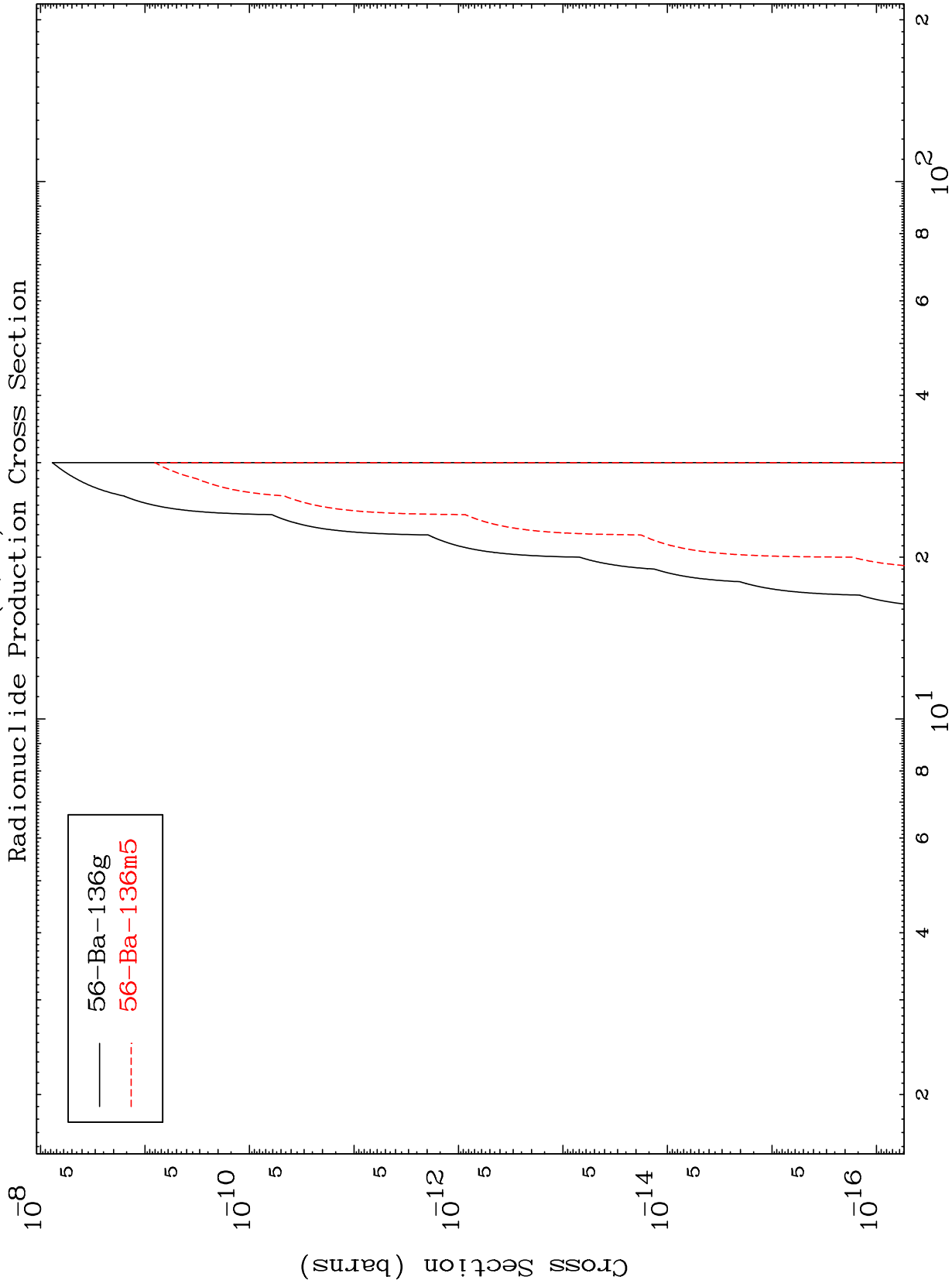
58-Ce-140

MAT 5837

($\alpha, 2\alpha$)

58-Ce-140

Radionuclide Production Cross Section



15

Incident Energy (MeV)

58-Ce-140