

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

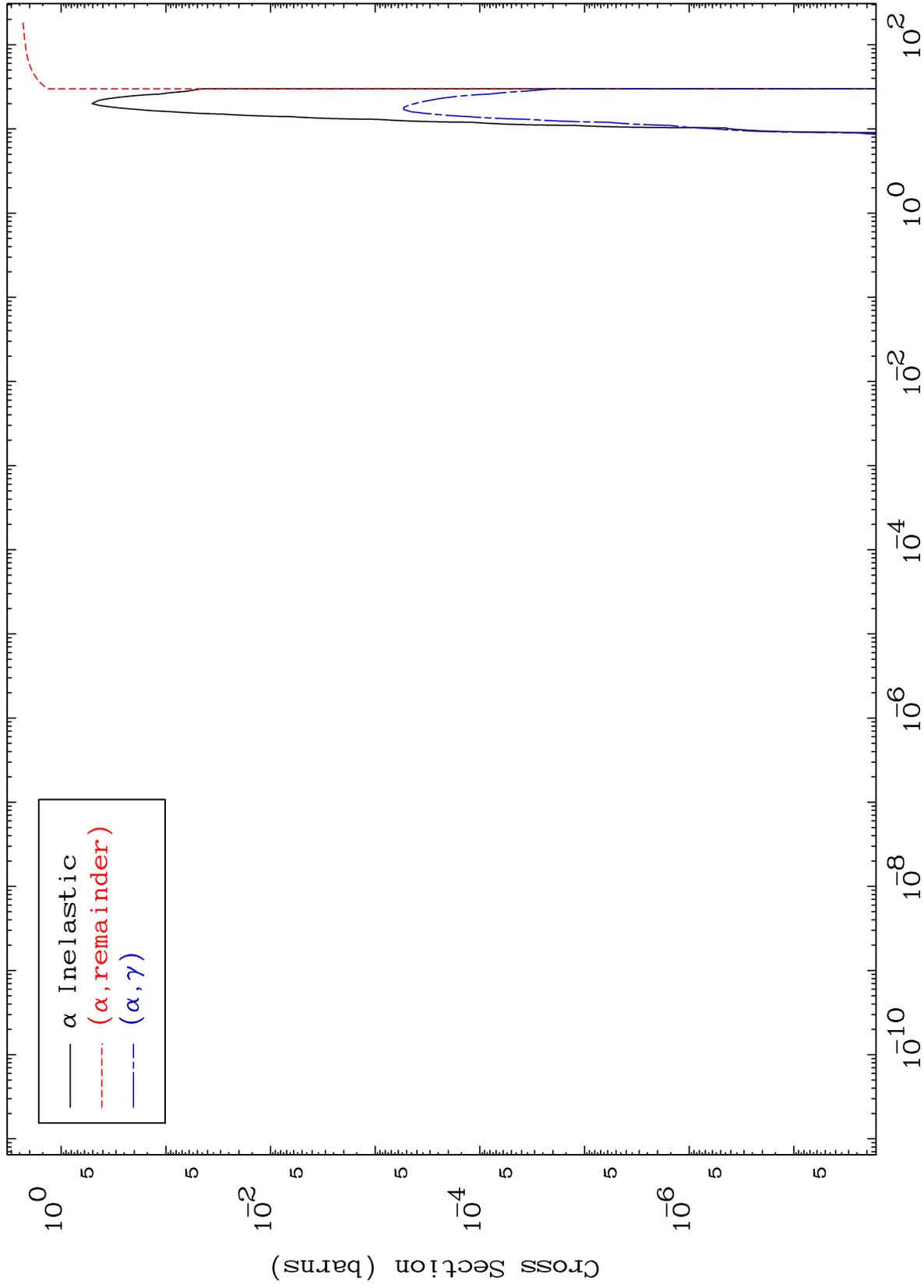
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5823

0 Kelvin α Major
Cross Sections

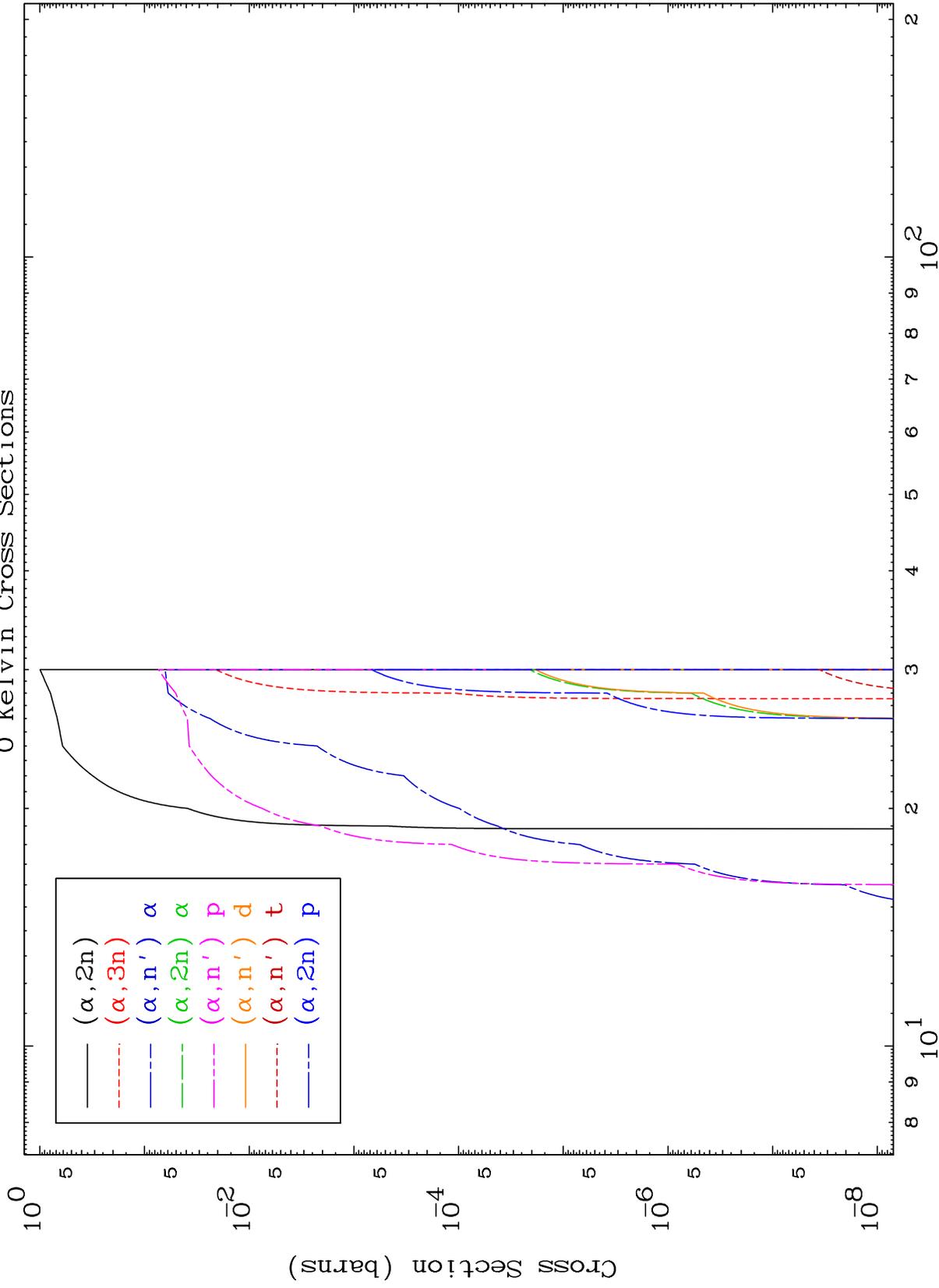
58-Ce-135



MAT 5823

α Neutron Production
0 Kelvin Cross Sections

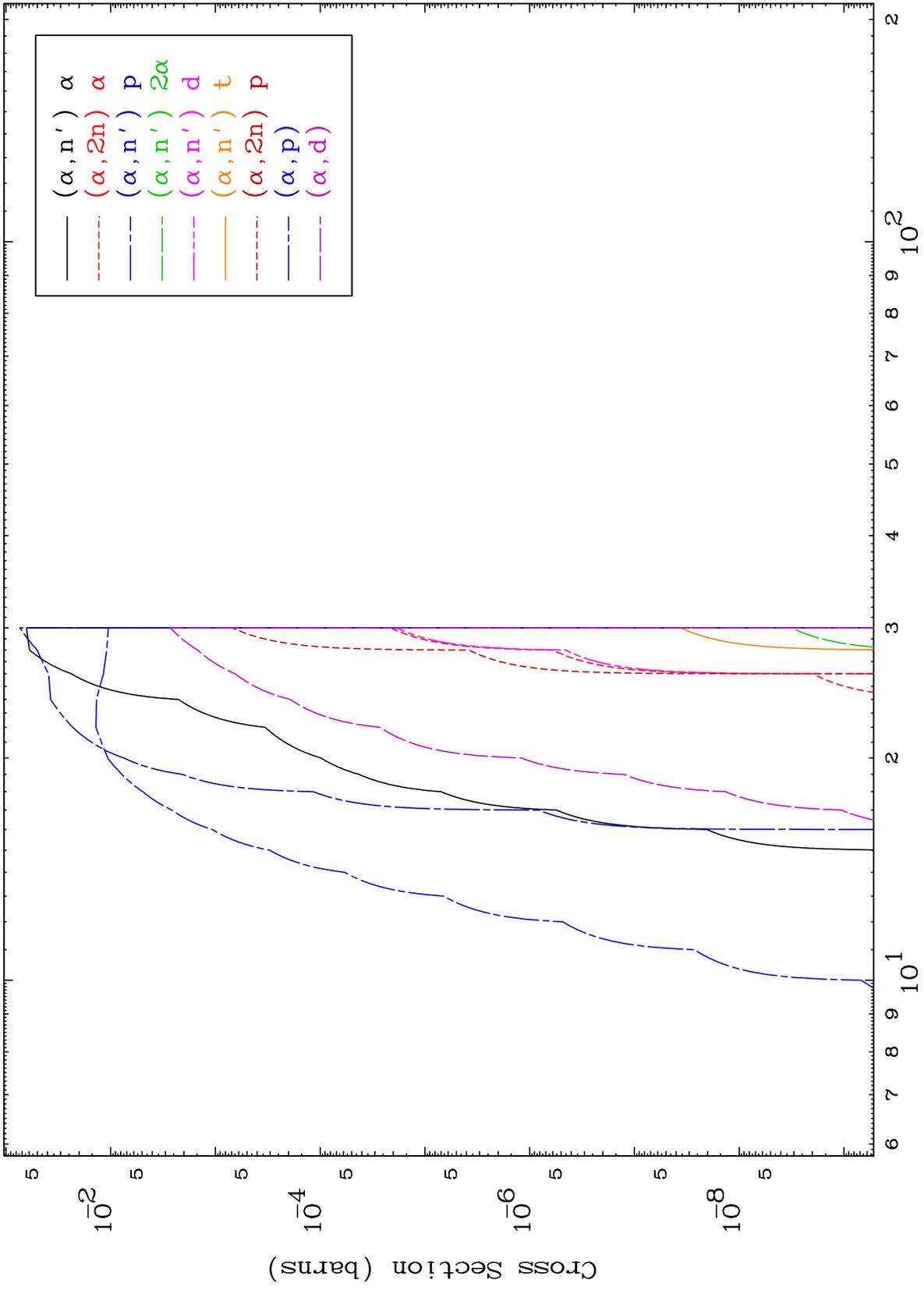
58-Ce-135



2

Incident Energy (MeV)

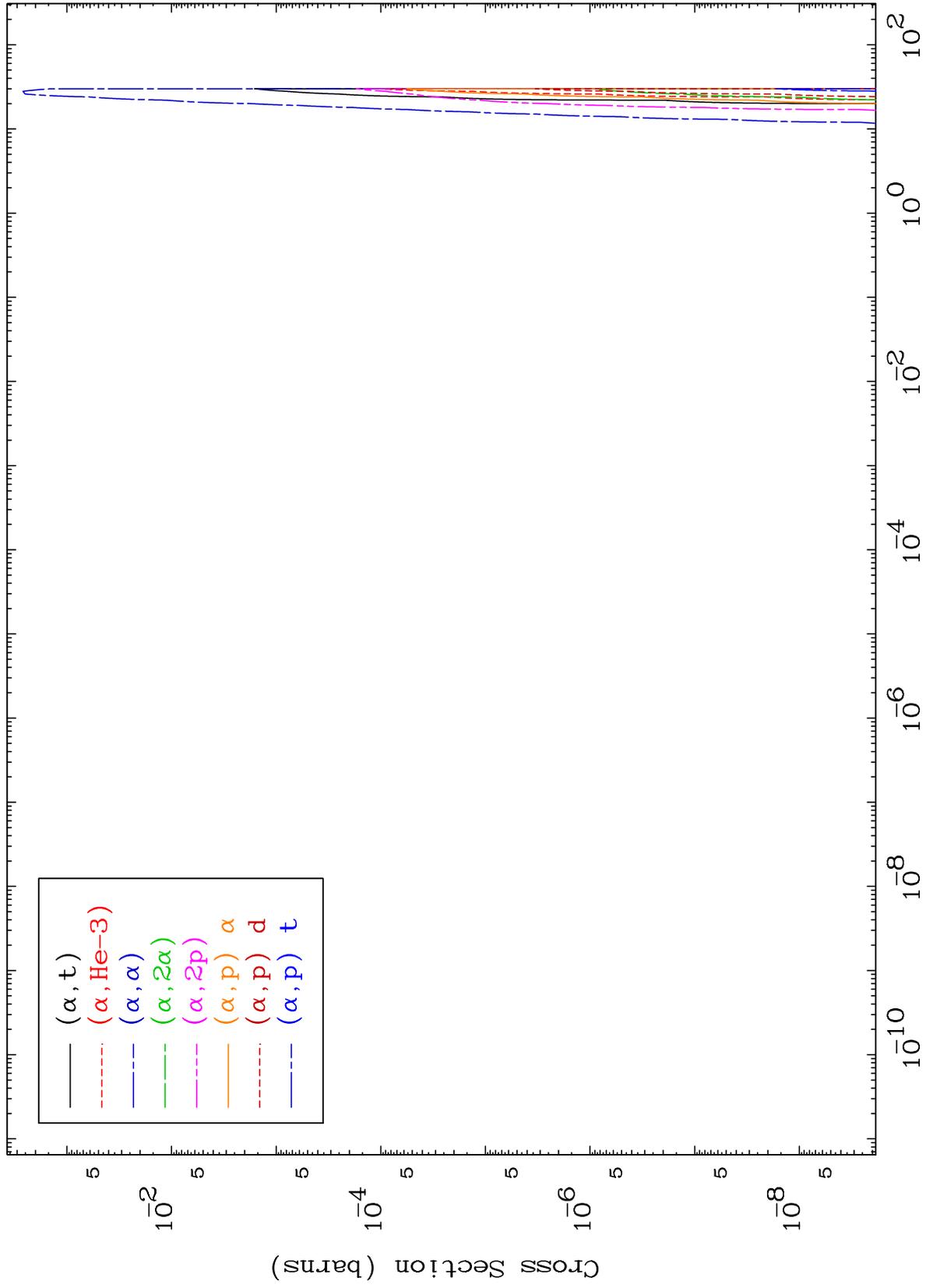
58-Ce-135



MAT 5823

α Charged Particle
0 Kelvin Cross Sections

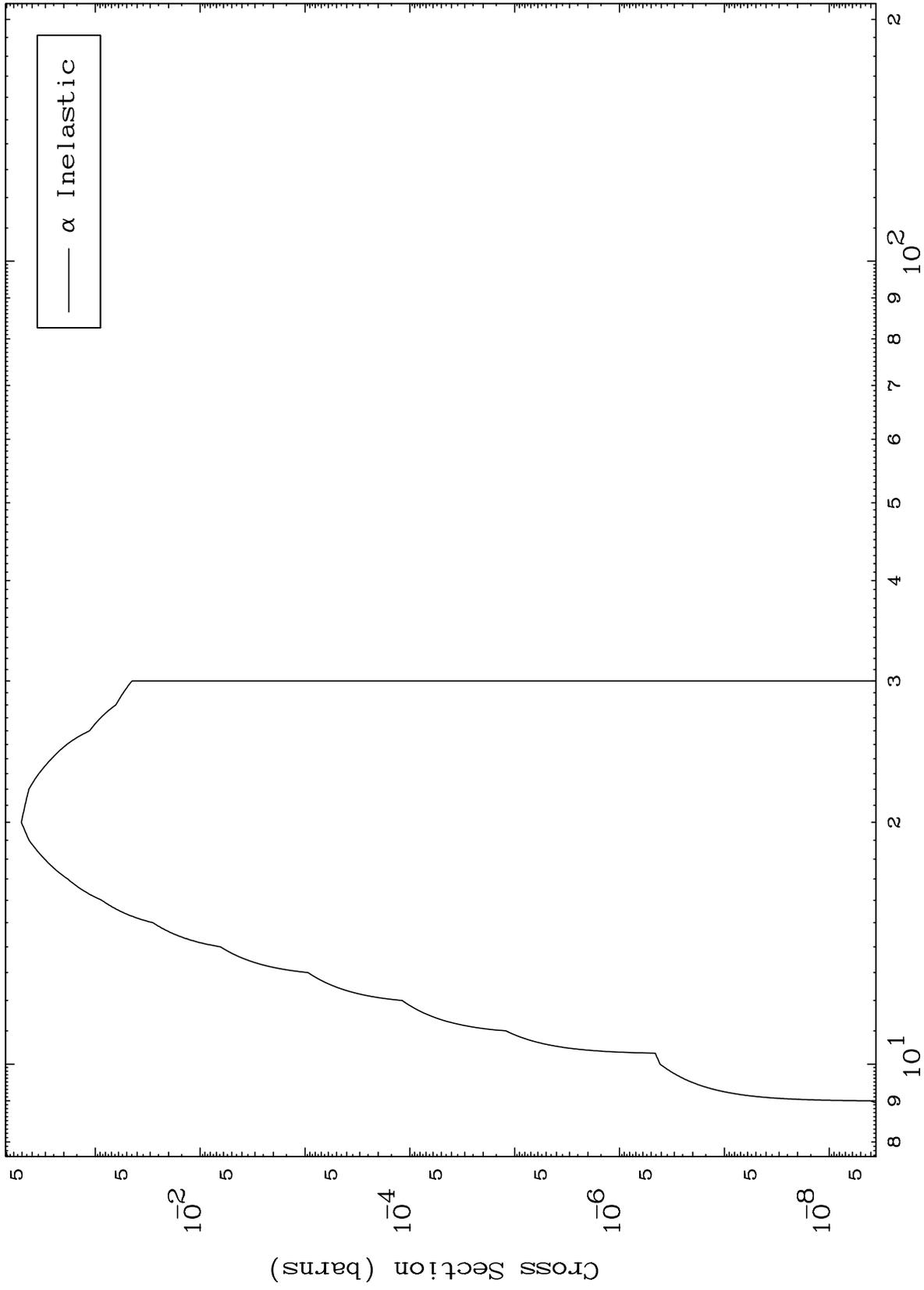
58-Ce-135



MAT 5823

(α, n') Level
0 Kelvin Cross Sections

58-Ce-135



5

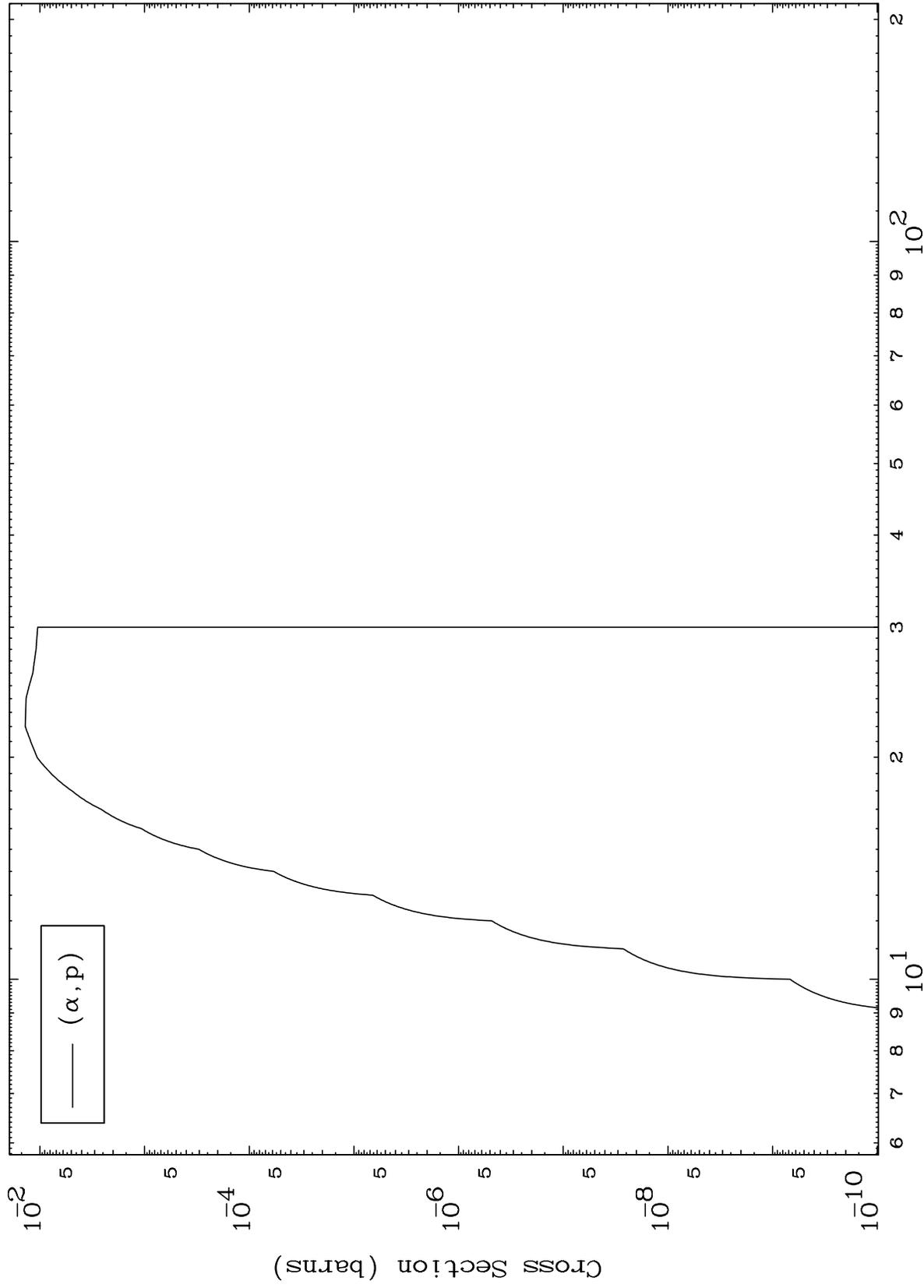
Incident Energy (MeV)

58-Ce-135

MAT 5823

(α, p) Levels
0 Kelvin Cross Sections

58-Ce-135



6

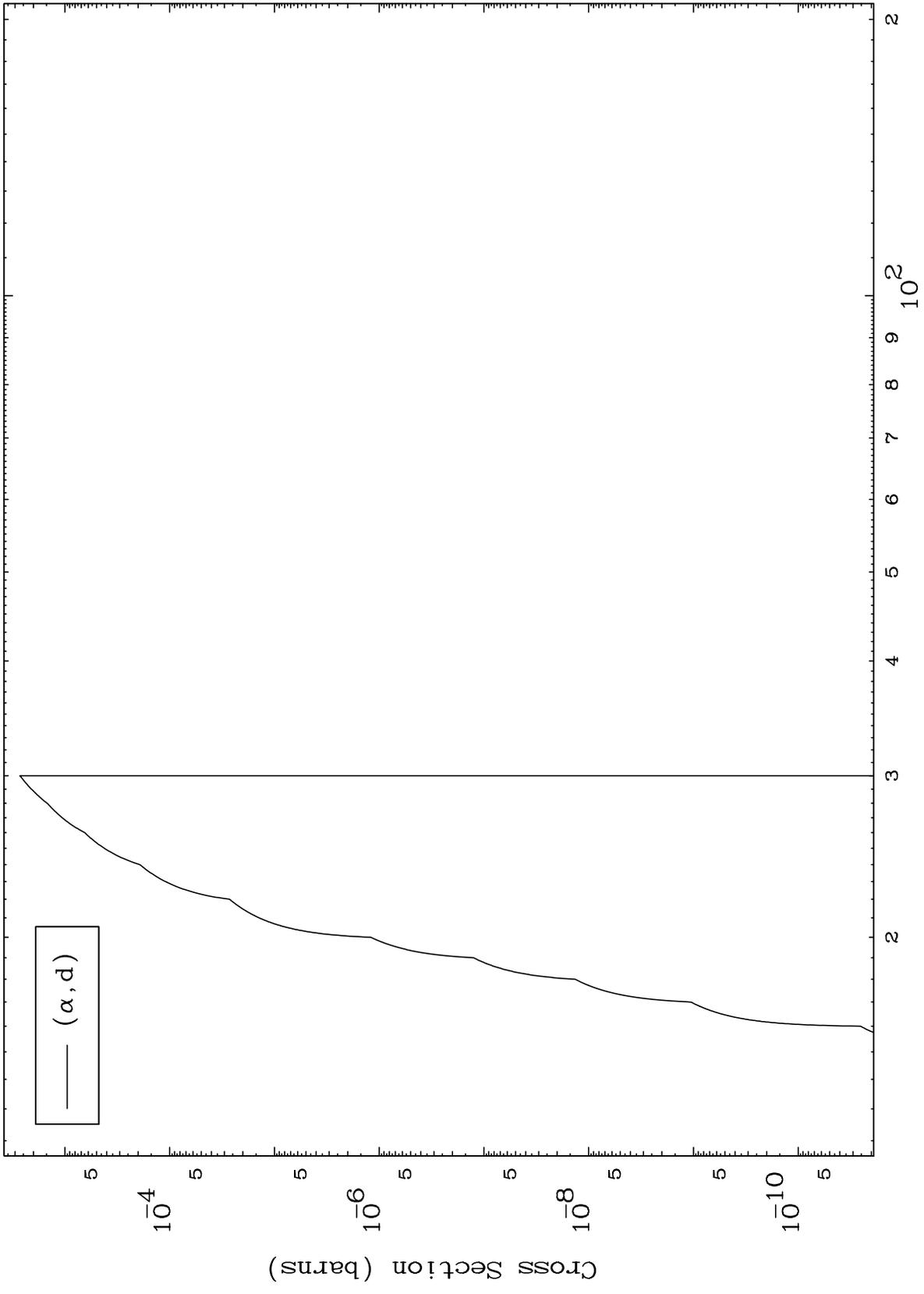
Incident Energy (MeV)

58-Ce-135

MAT 5823

(α, d) Levels
0 Kelvin Cross Sections

58-Ce-135



7

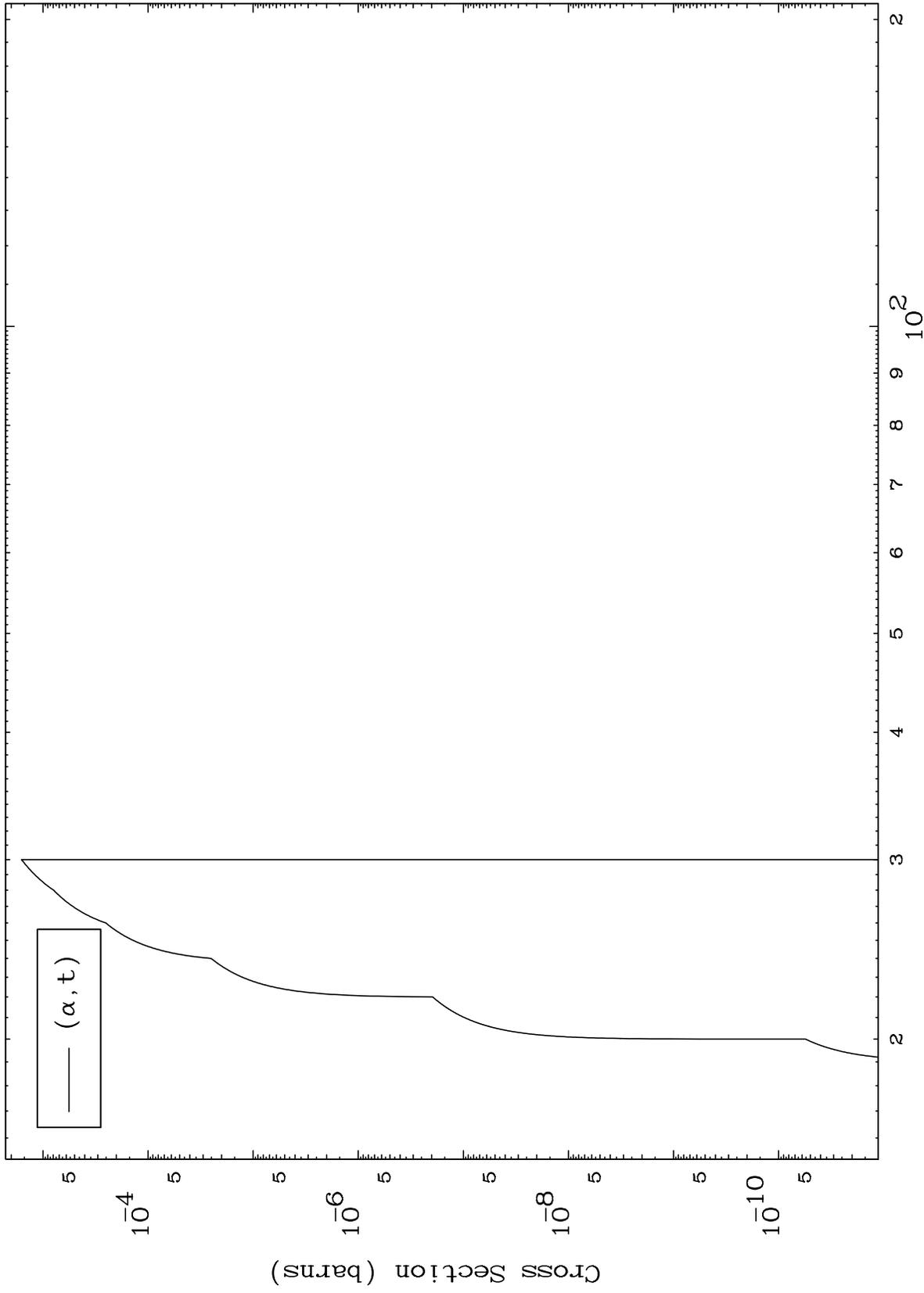
Incident Energy (MeV)

58-Ce-135

MAT 5823

(α, t) Levels
0 Kelvin Cross Sections

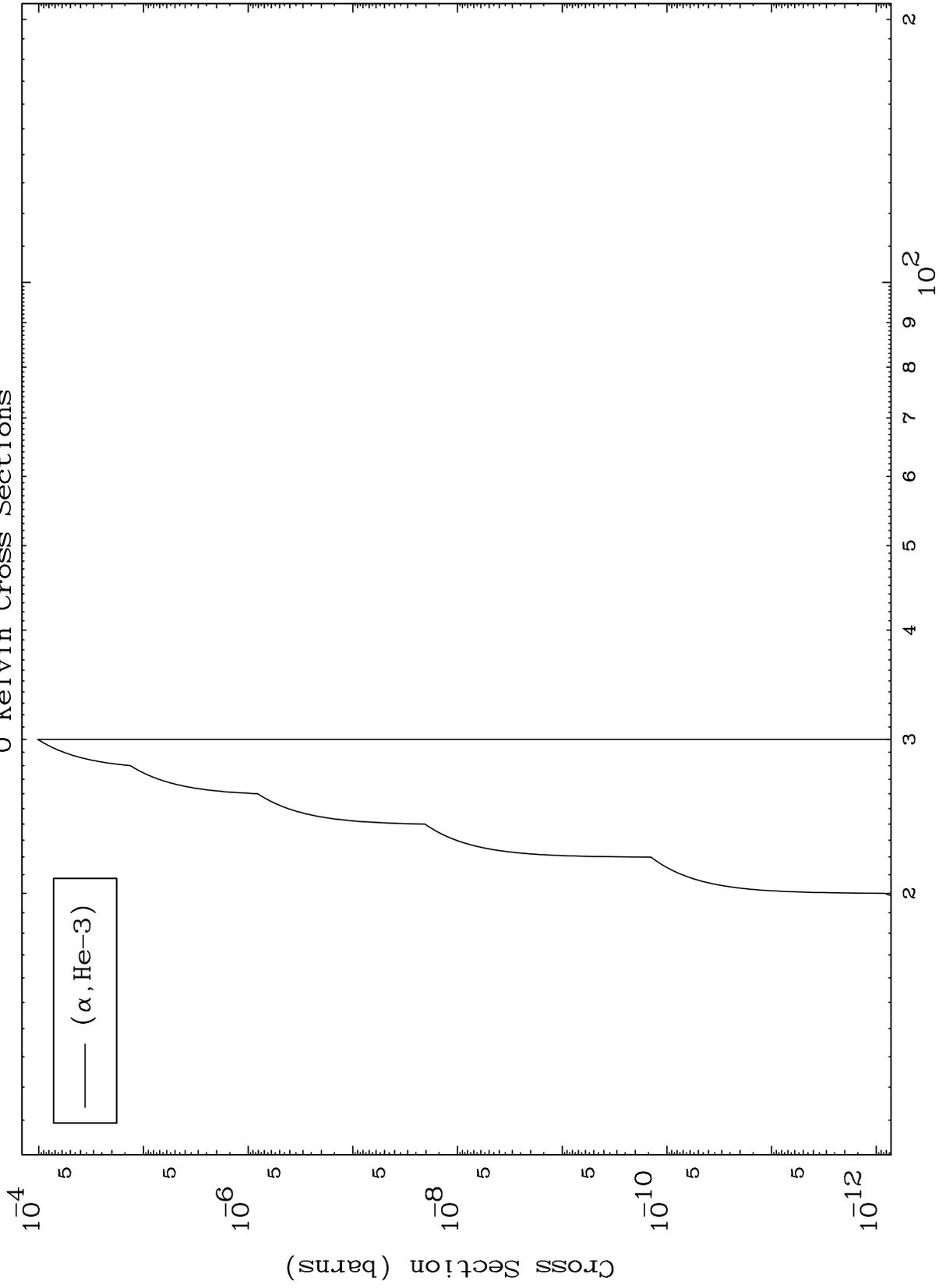
58-Ce-135



8

Incident Energy (MeV)

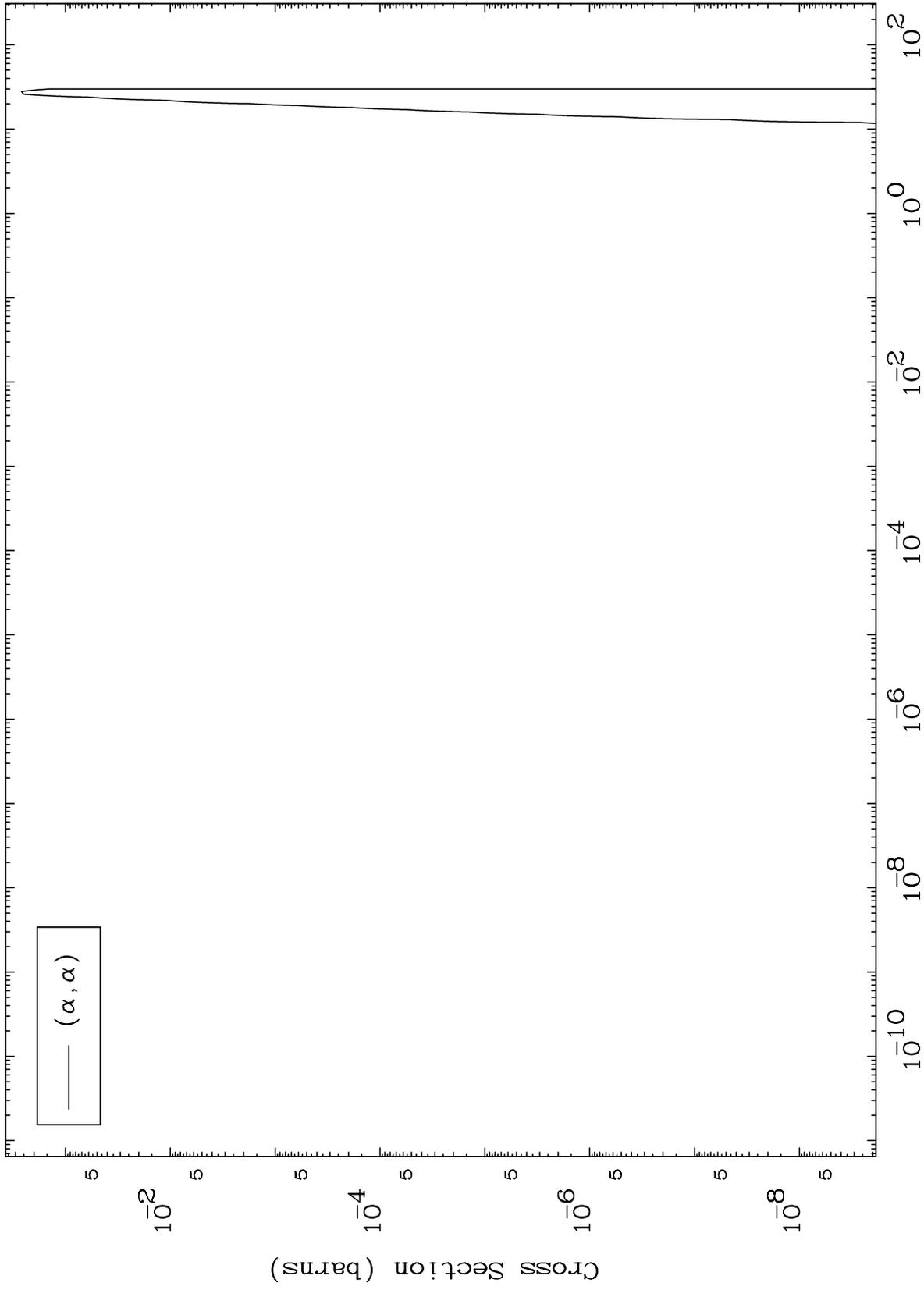
58-Ce-135



MAT 5823

(α, α) Levels
0 Kelvin Cross Sections

58-Ce-135



10

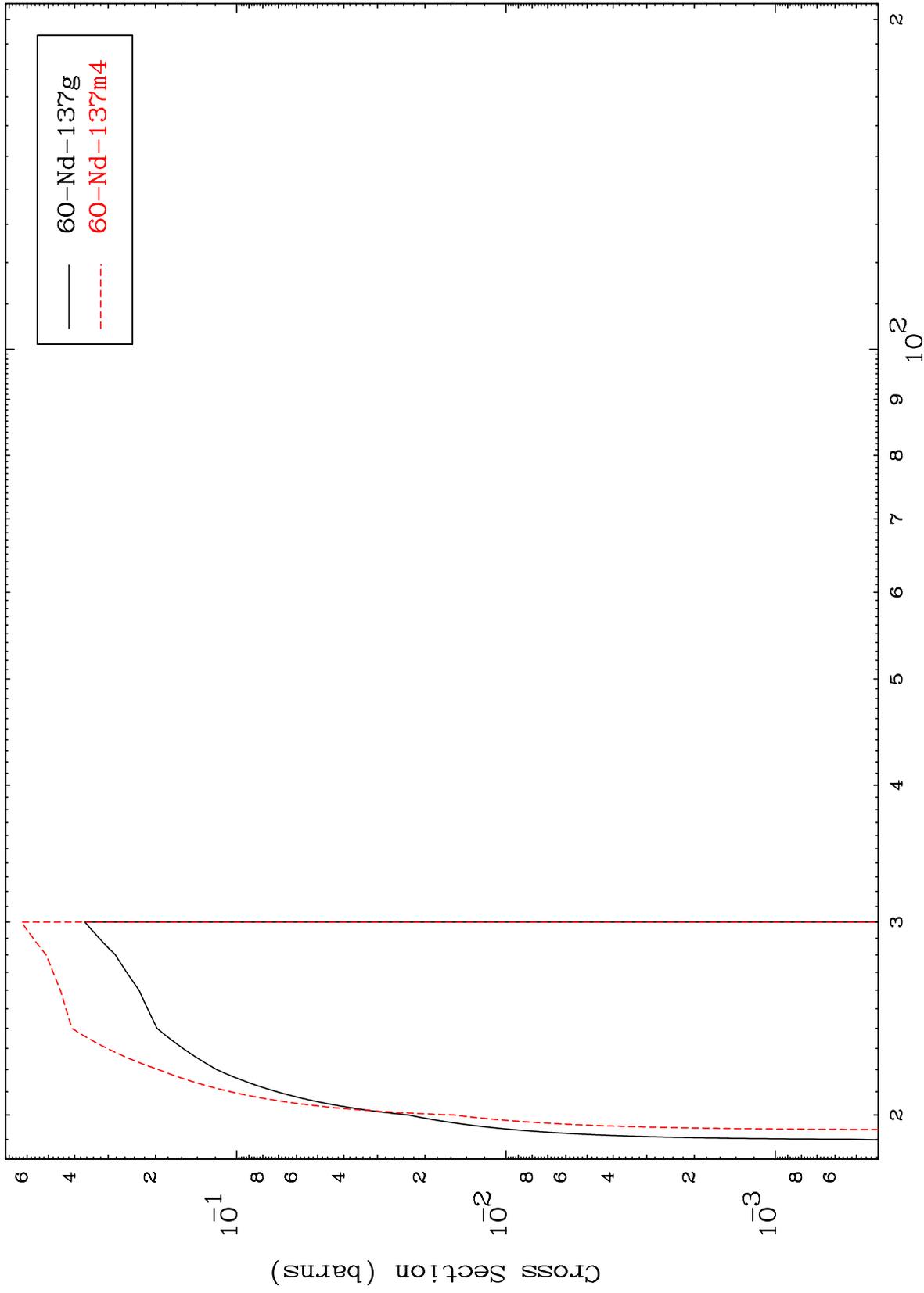
Incident Energy (MeV)

58-Ce-135

MAT 5823

58-Ce-135

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



58-Ce-135

Incident Energy (MeV)

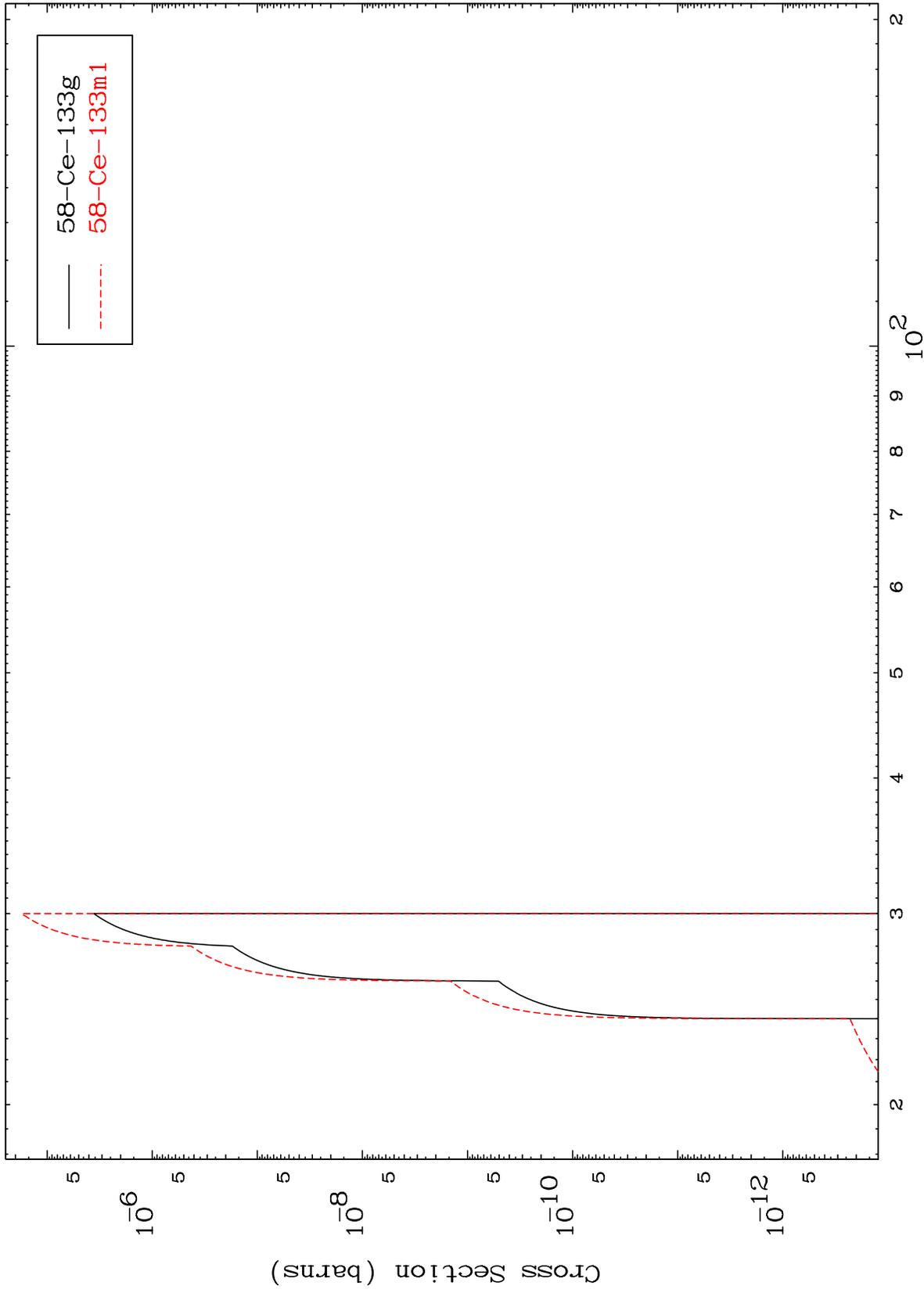
11

MAT 5823

$(\alpha, 2n) \alpha$

58-Ce-135

Radionuclide Production Cross Section



12

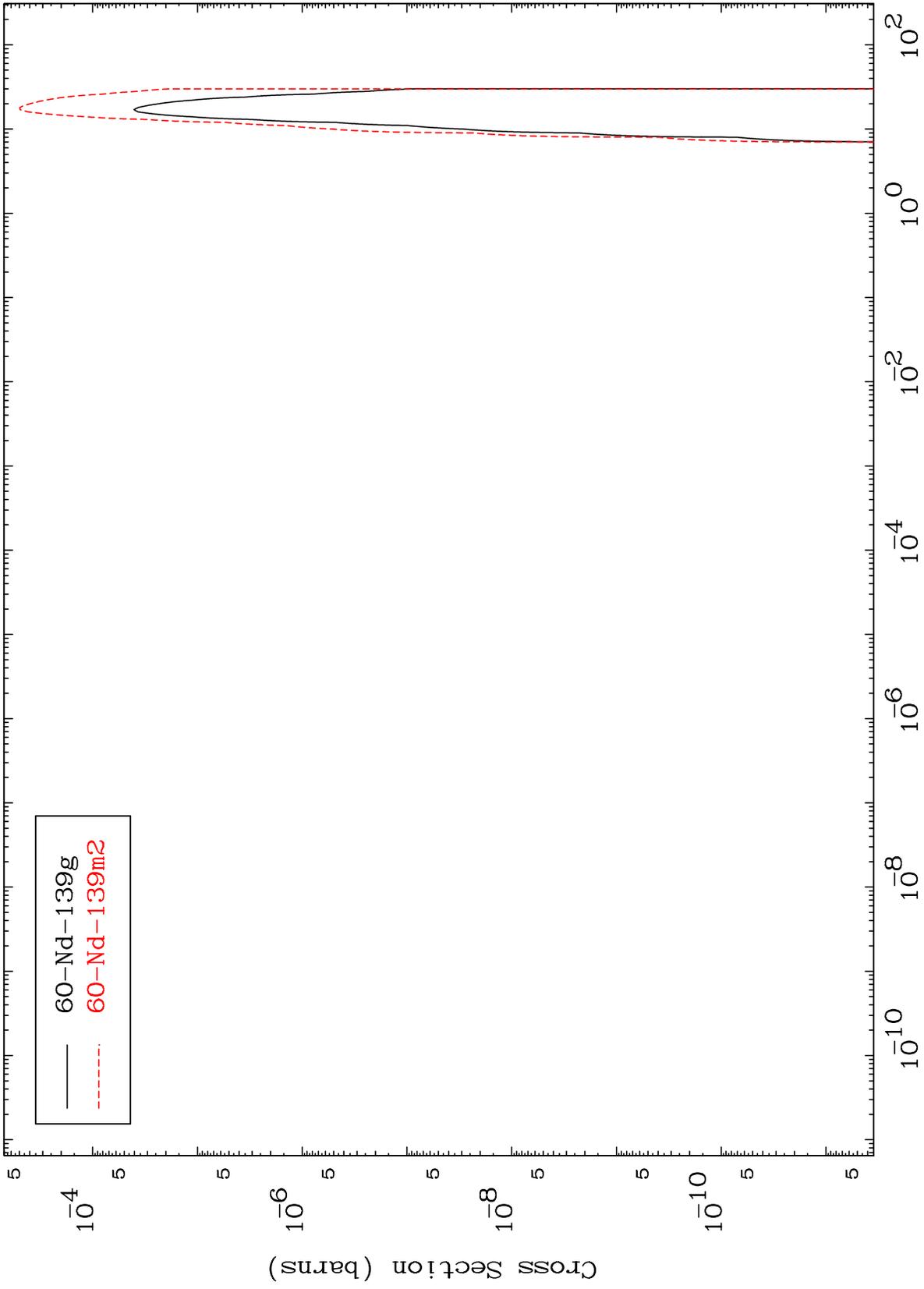
Incident Energy (MeV)

58-Ce-135

MAT 5823

Radionuclide Production Cross Section
(α, γ)

58-Ce-135



13

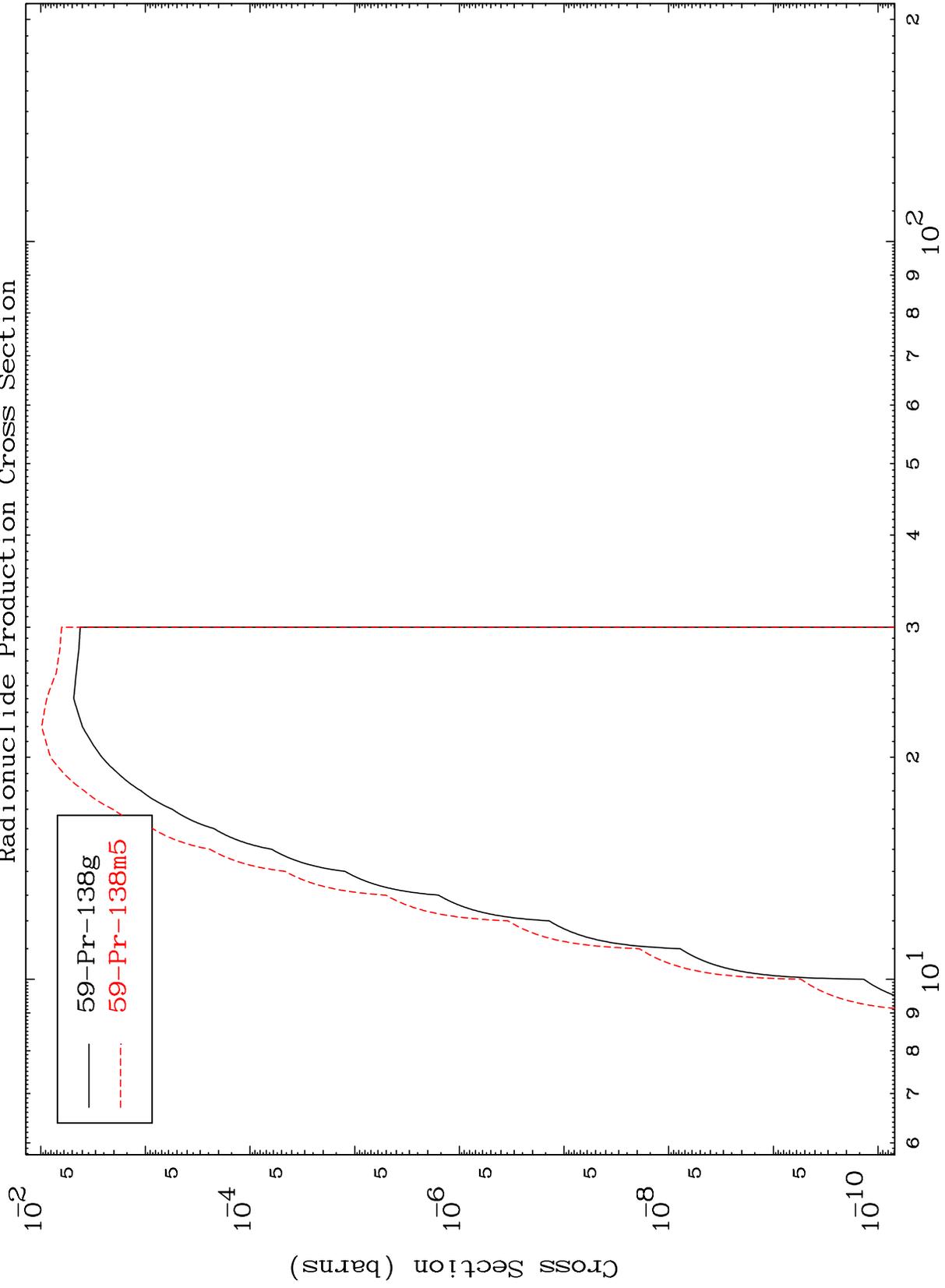
Incident Energy (MeV)

58-Ce-135

MAT 5823

58-Ce-135

Radionuclide Production Cross Section
(α, p)



14

Incident Energy (MeV)

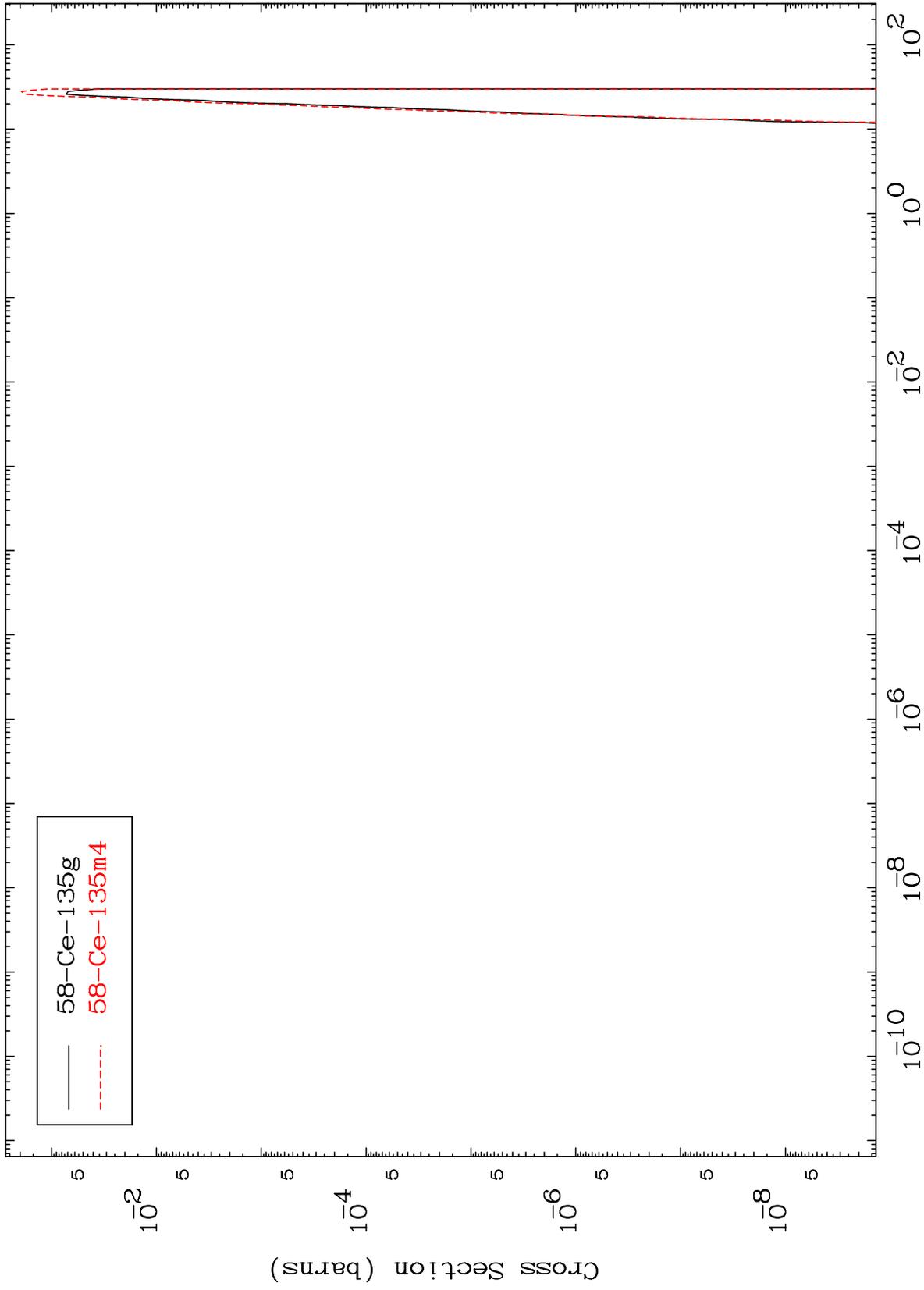
58-Ce-135

MAT 5823

(α, α)

58-Ce-135

Radionuclide Production Cross Section



15

Incident Energy (MeV)

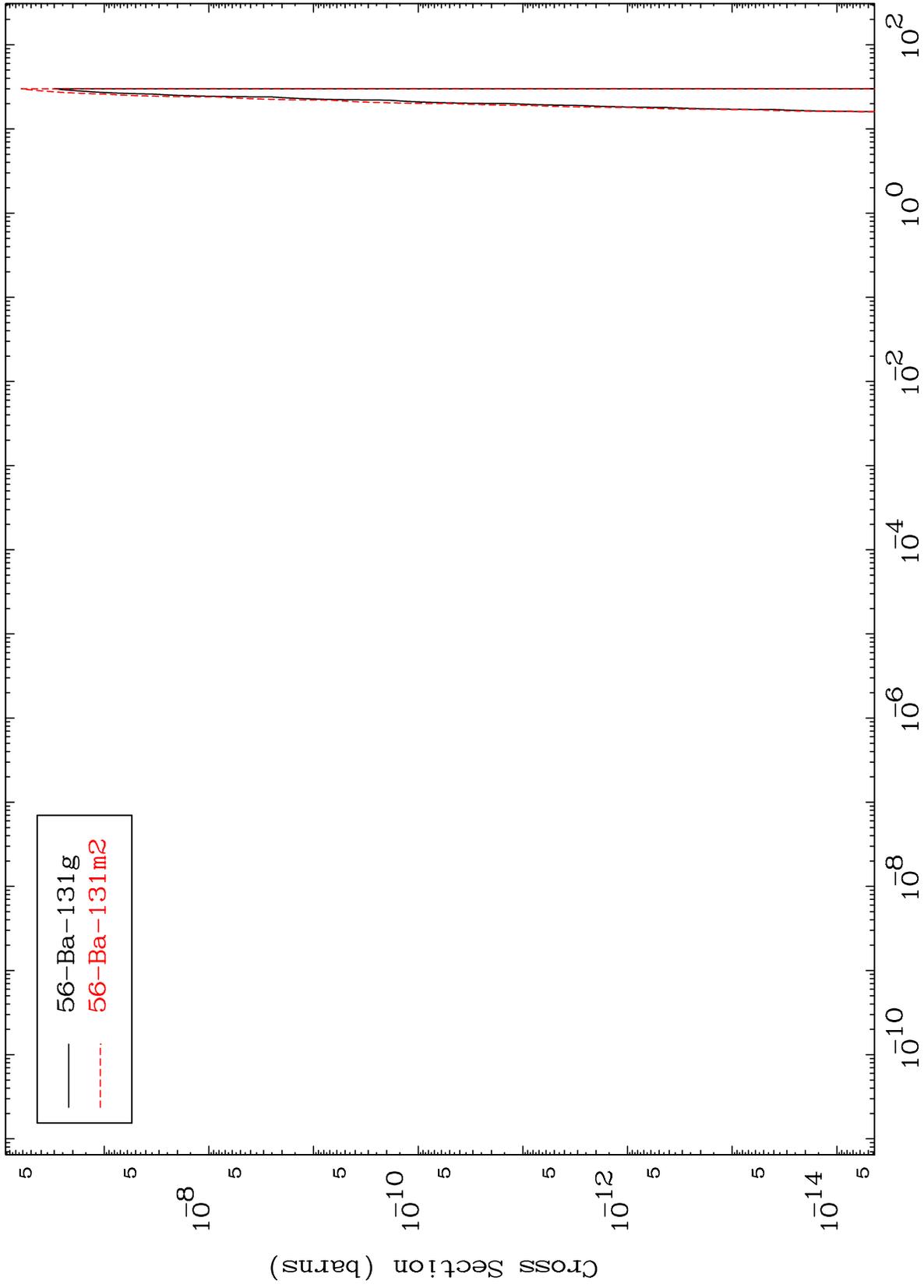
58-Ce-135

MAT 5823

($\alpha, 2\alpha$)

58-Ce-135

Radionuclide Production Cross Section



16

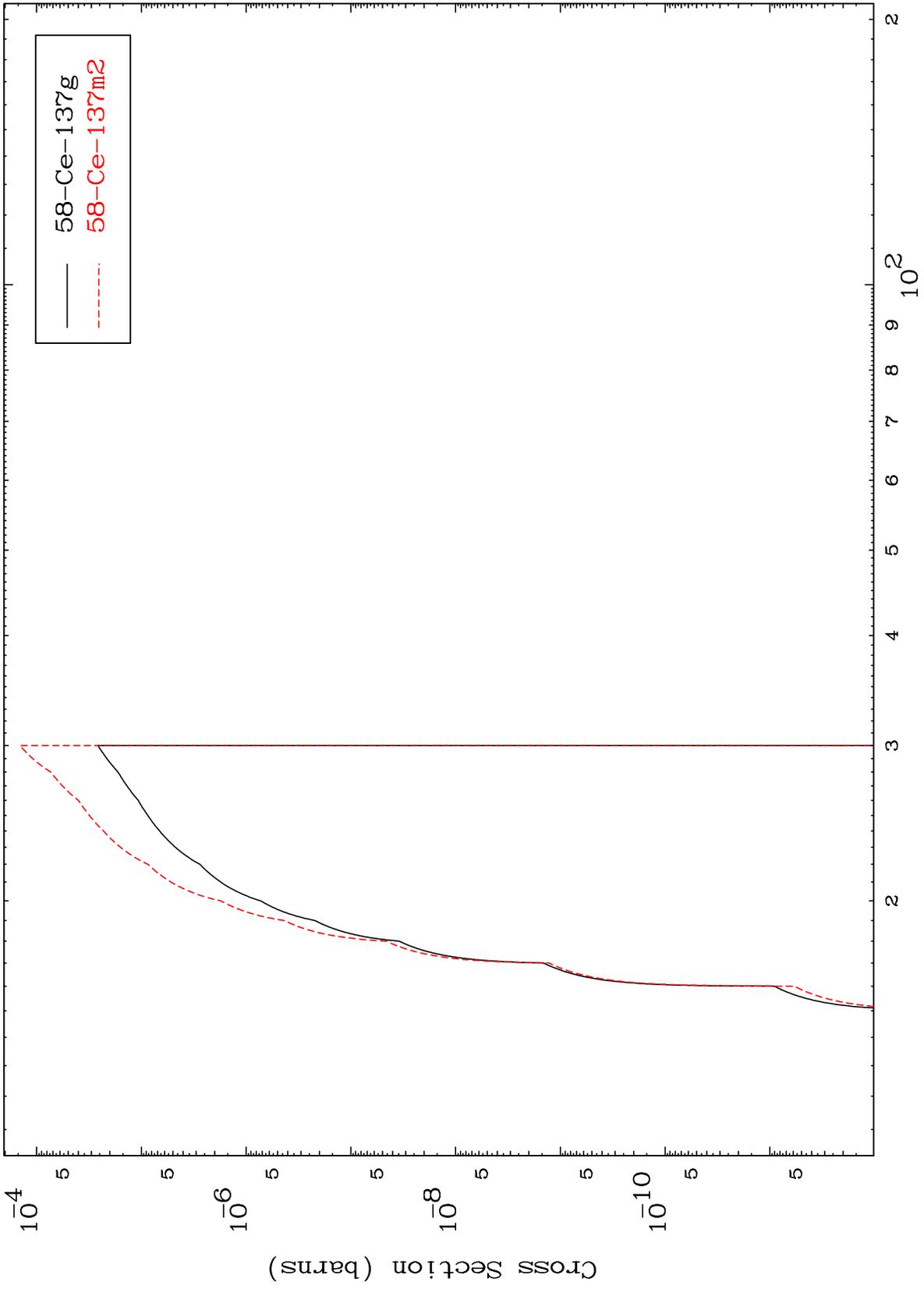
Incident Energy (MeV)

58-Ce-135

MAT 5823

58-Ce-135

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



17

Incident Energy (MeV)

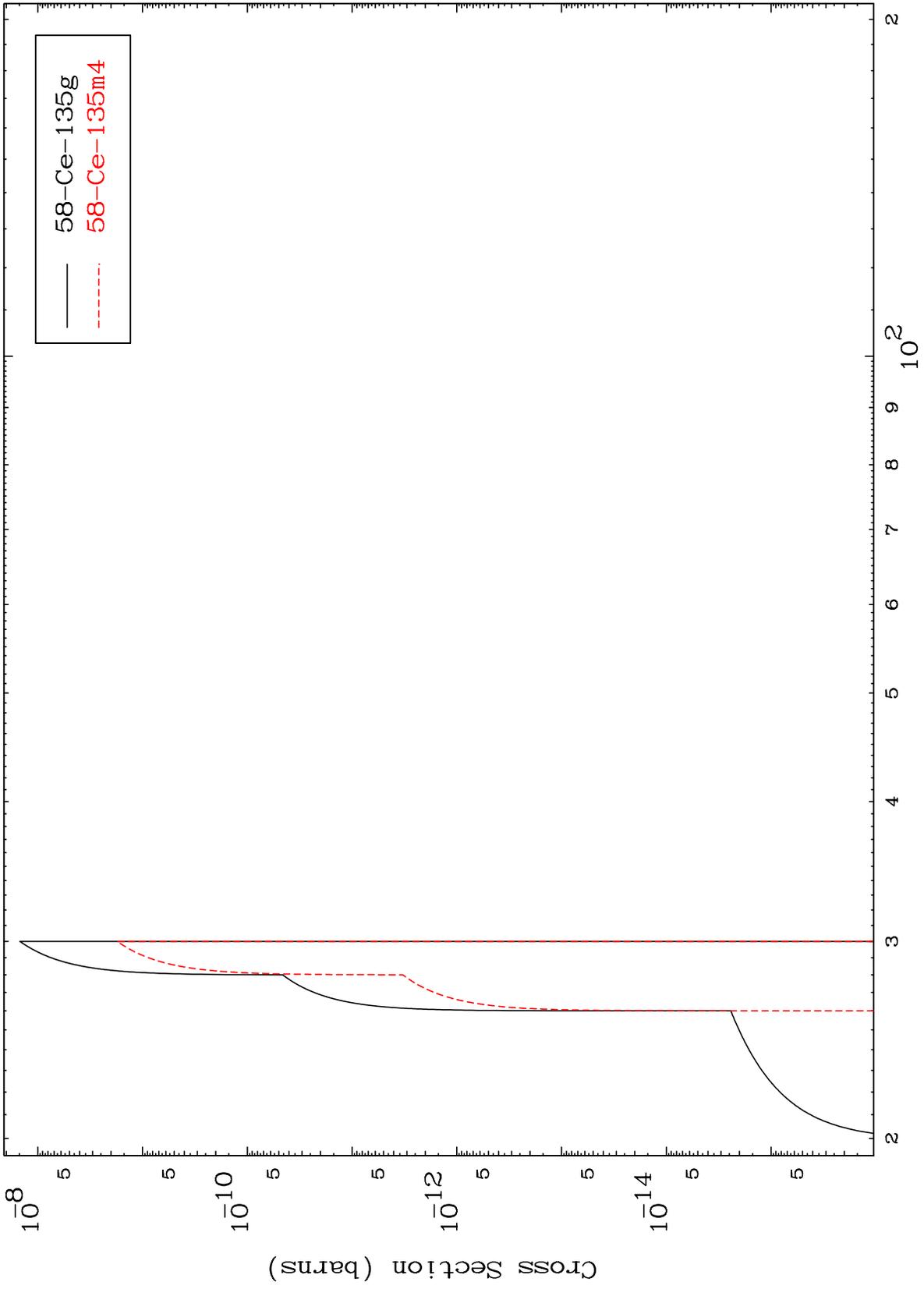
58-Ce-135

MAT 5823

(α, p) t

58-Ce-135

Radionuclide Production Cross Section



18

Incident Energy (MeV)

58-Ce-135