

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

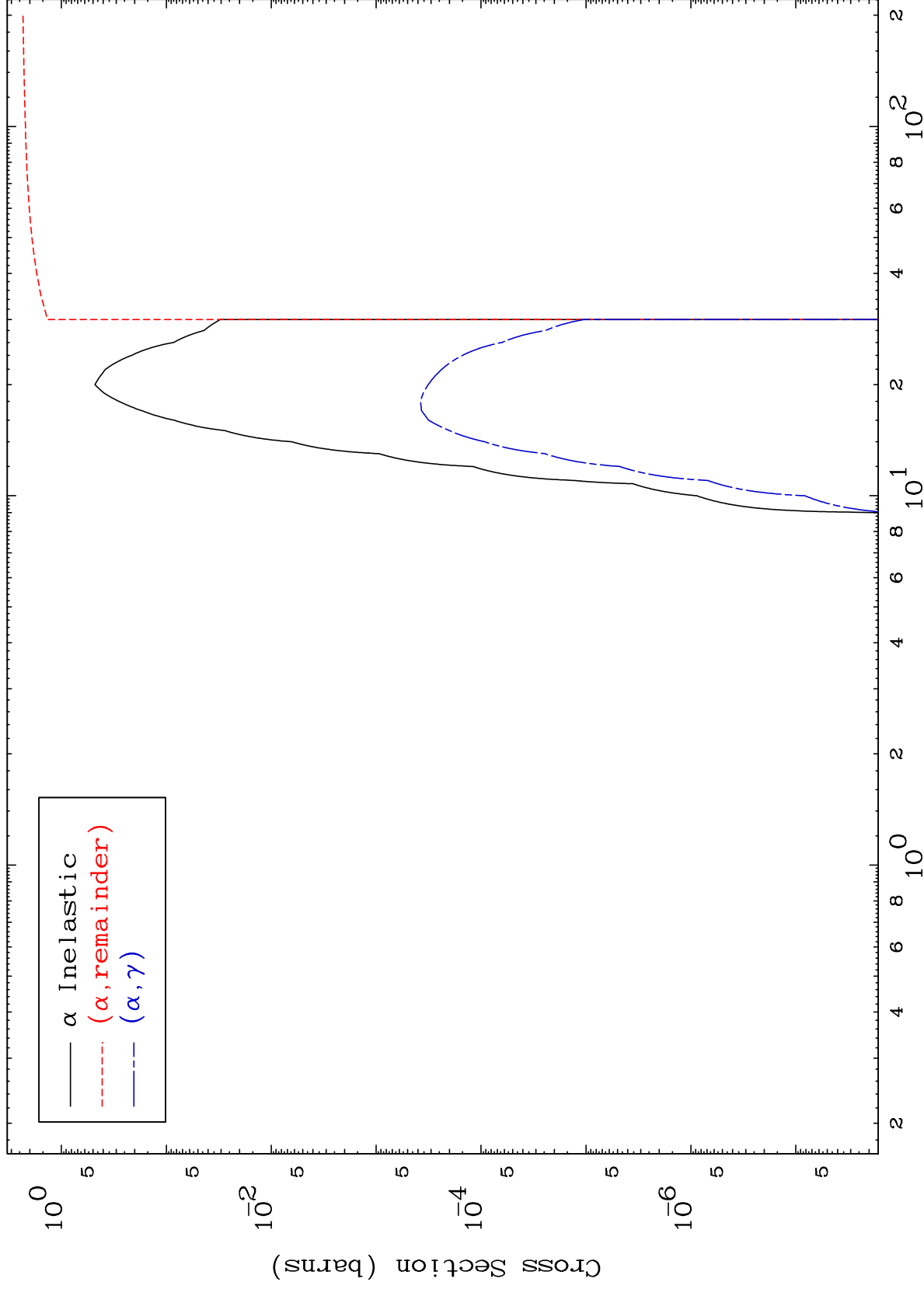
Press Mouse Button to Start

MAT 5822

α Major

58-Ce-135

0 Kelvin Cross Sections



1

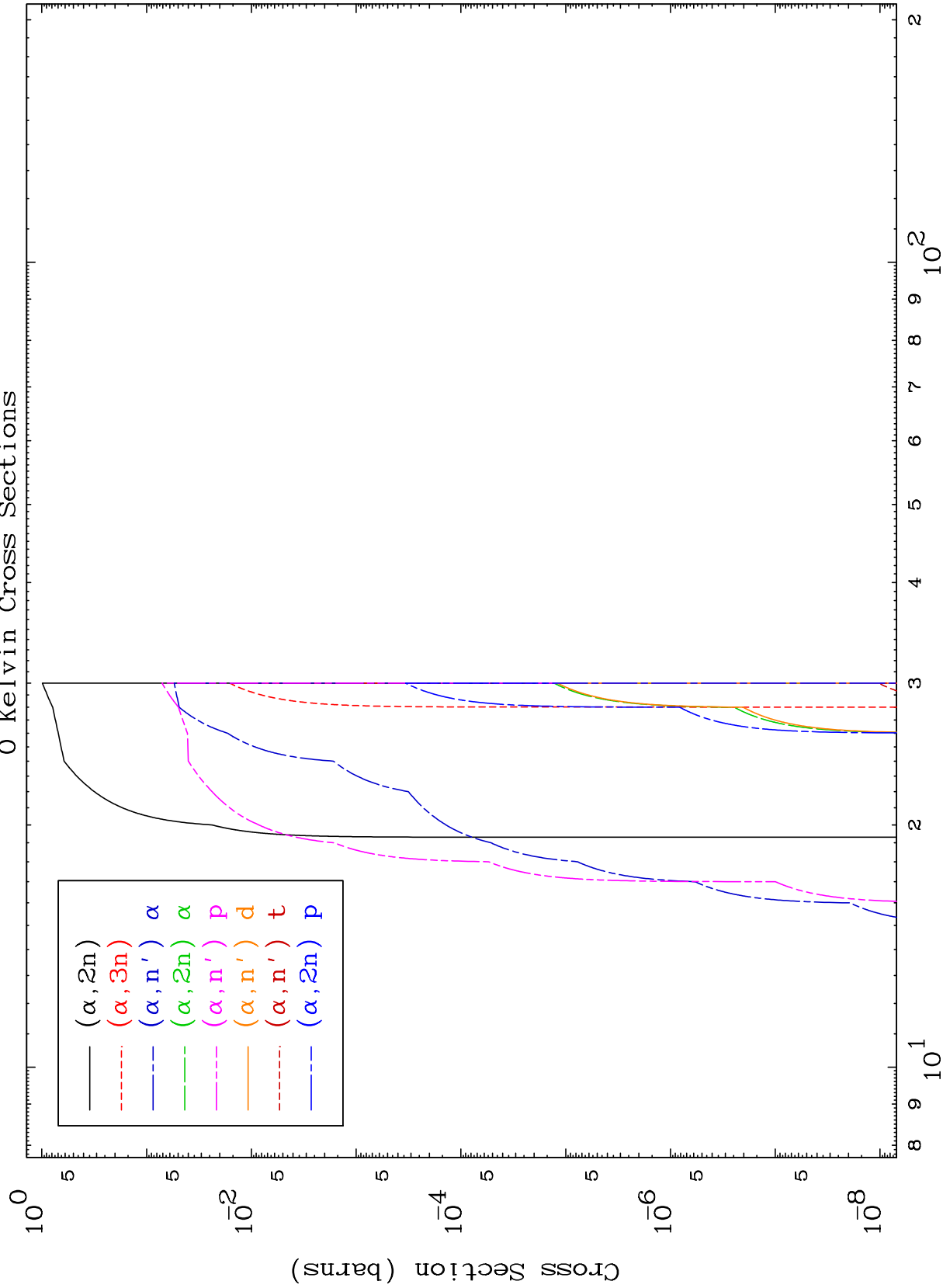
Incident Energy (MeV)

58-Ce-135

MAT 5822

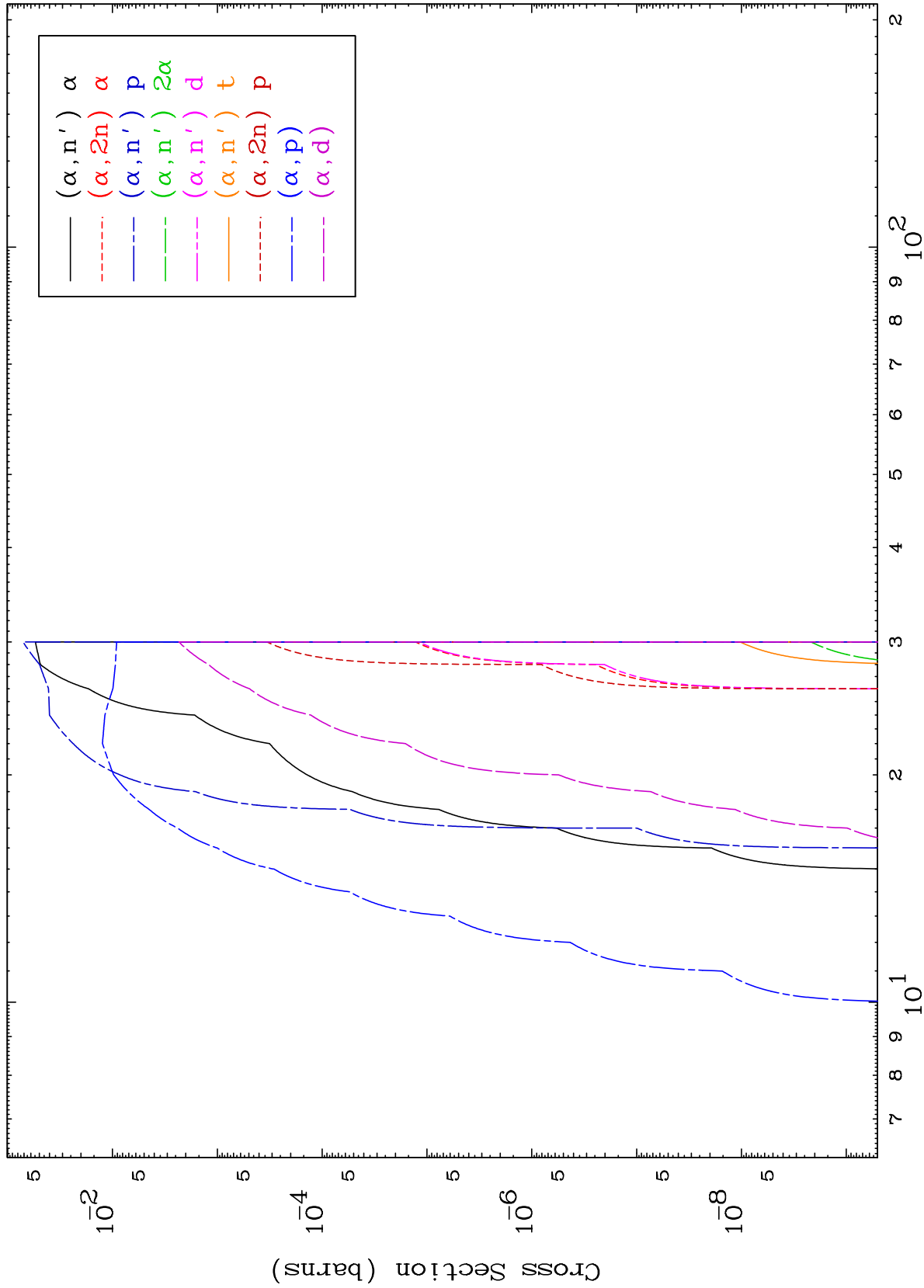
α Neutron Production
0 Kelvin Cross Sections

58-Ce-135



Incident Energy (MeV)

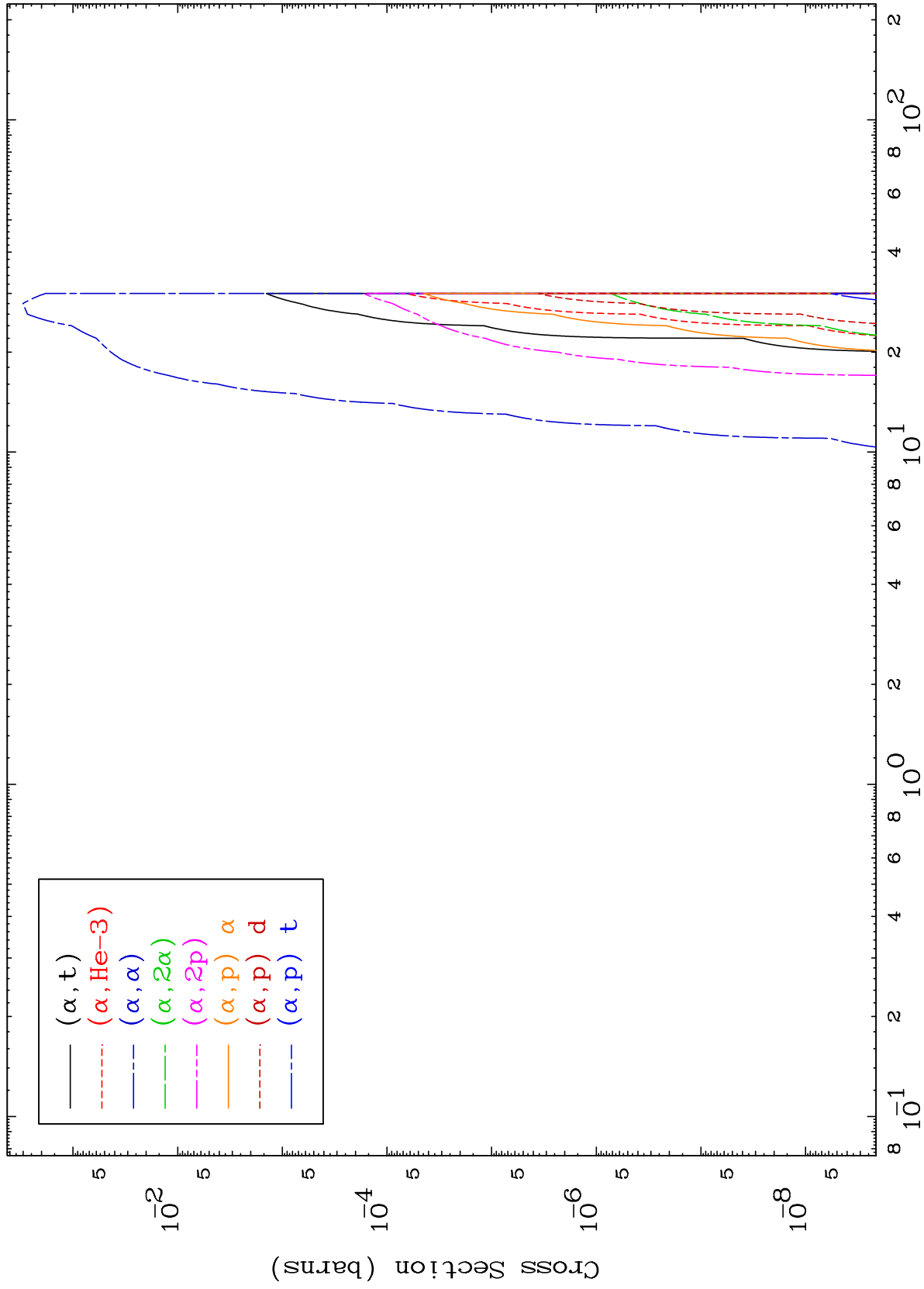
58-Ce-135



MAT 5822

α Charged Particle
0 Kelvin Cross Sections

58-Ce-135



4

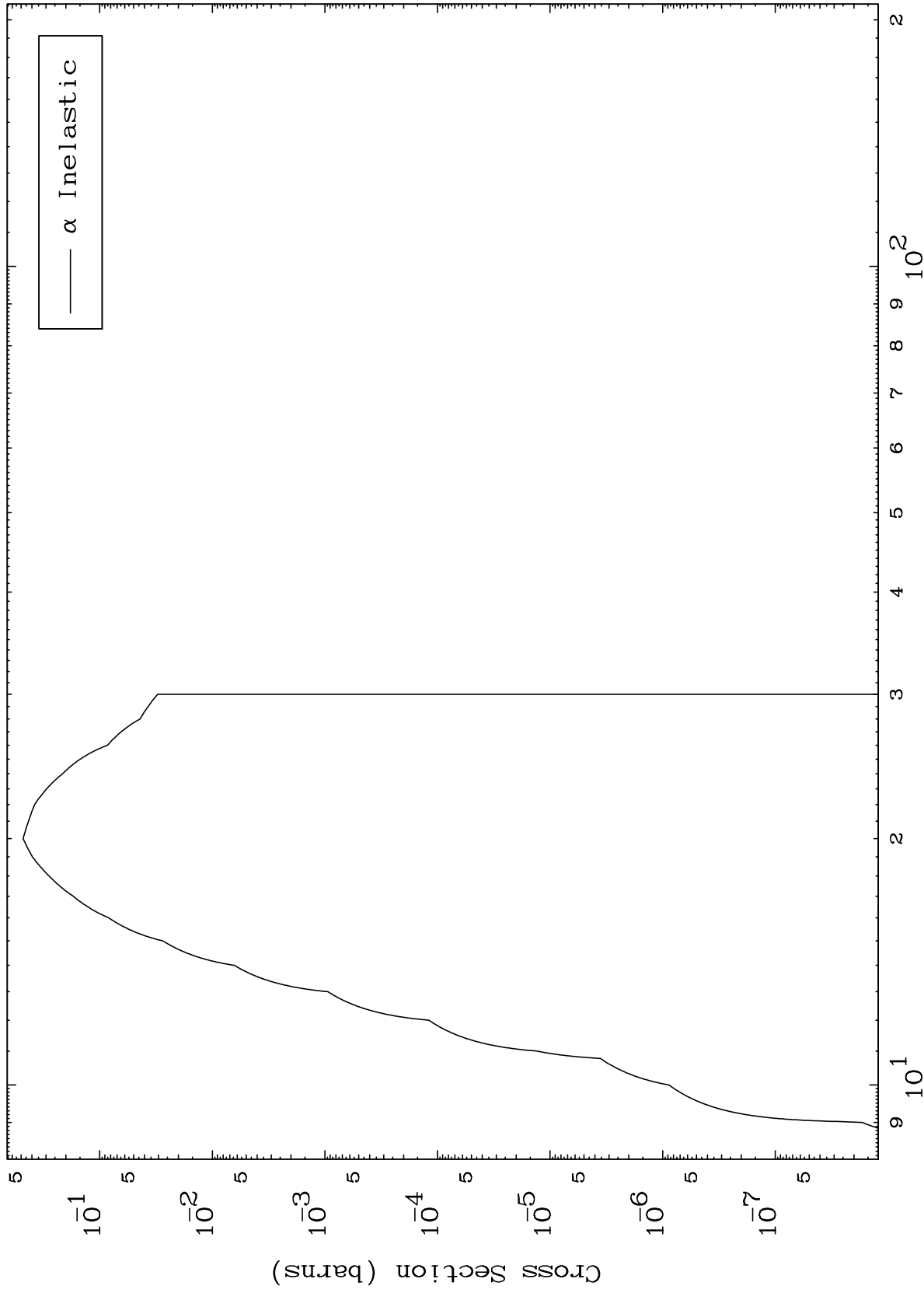
Incident Energy (MeV)

58-Ce-135

MAT 5822

(α, n') Level
0 Kelvin Cross Sections

58-Ce-135



5

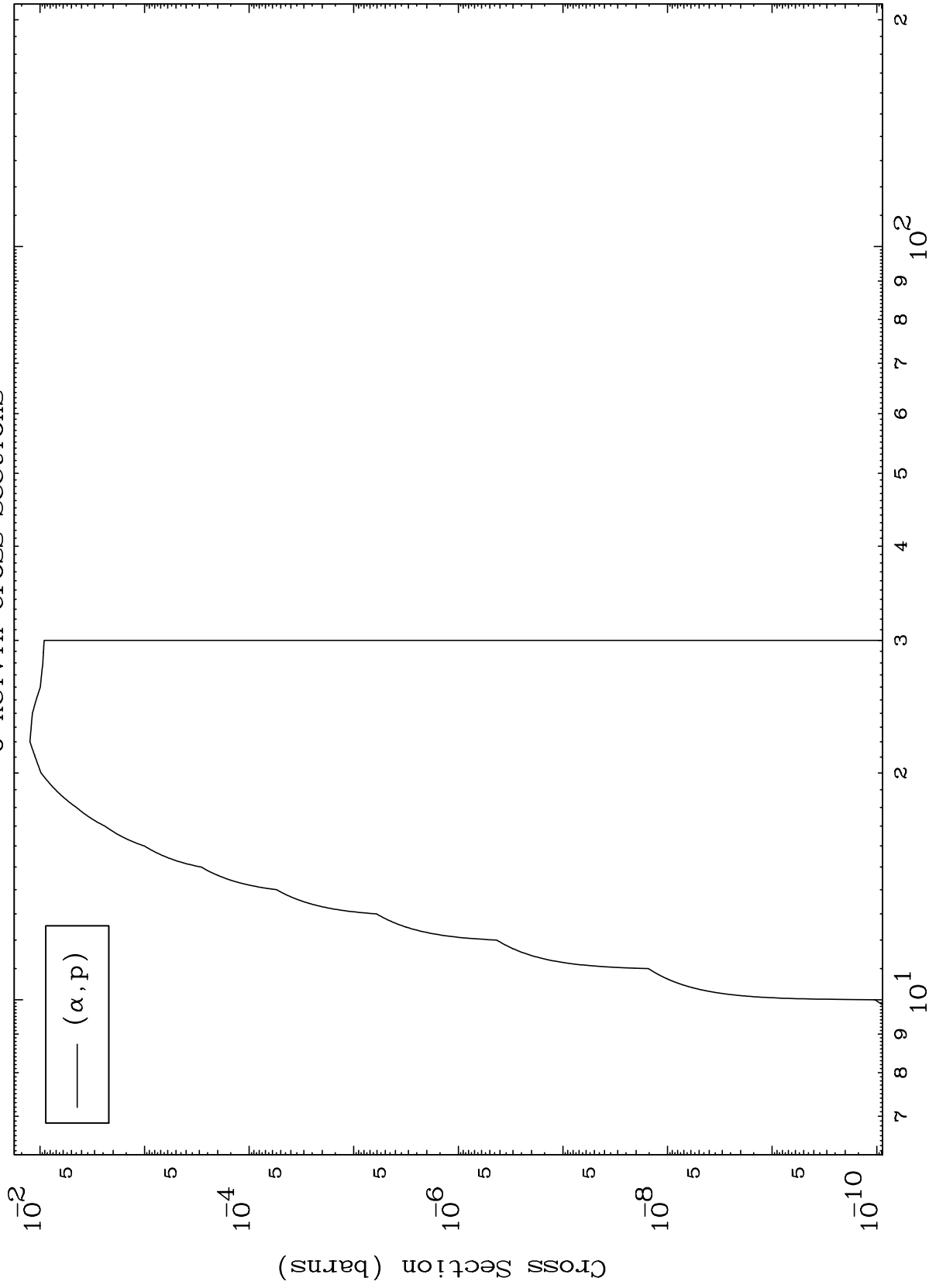
Incident Energy (MeV)

58-Ce-135

MAT 5822

58-Ce-135

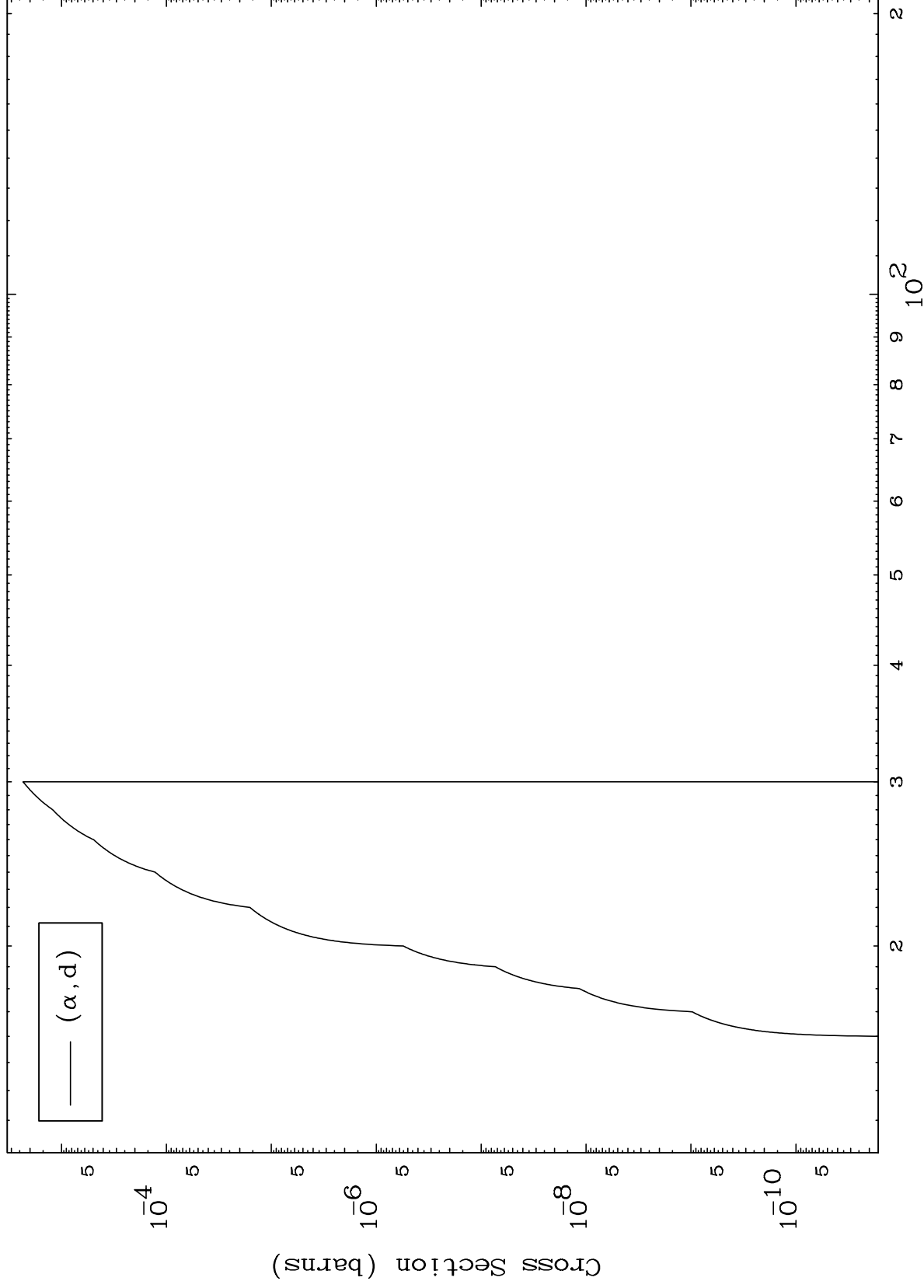
(α ,p) Levels
0 Kelvin Cross Sections



MAT 5822

(α ,d) Levels
0 Kelvin Cross Sections

58-Ce-135



7

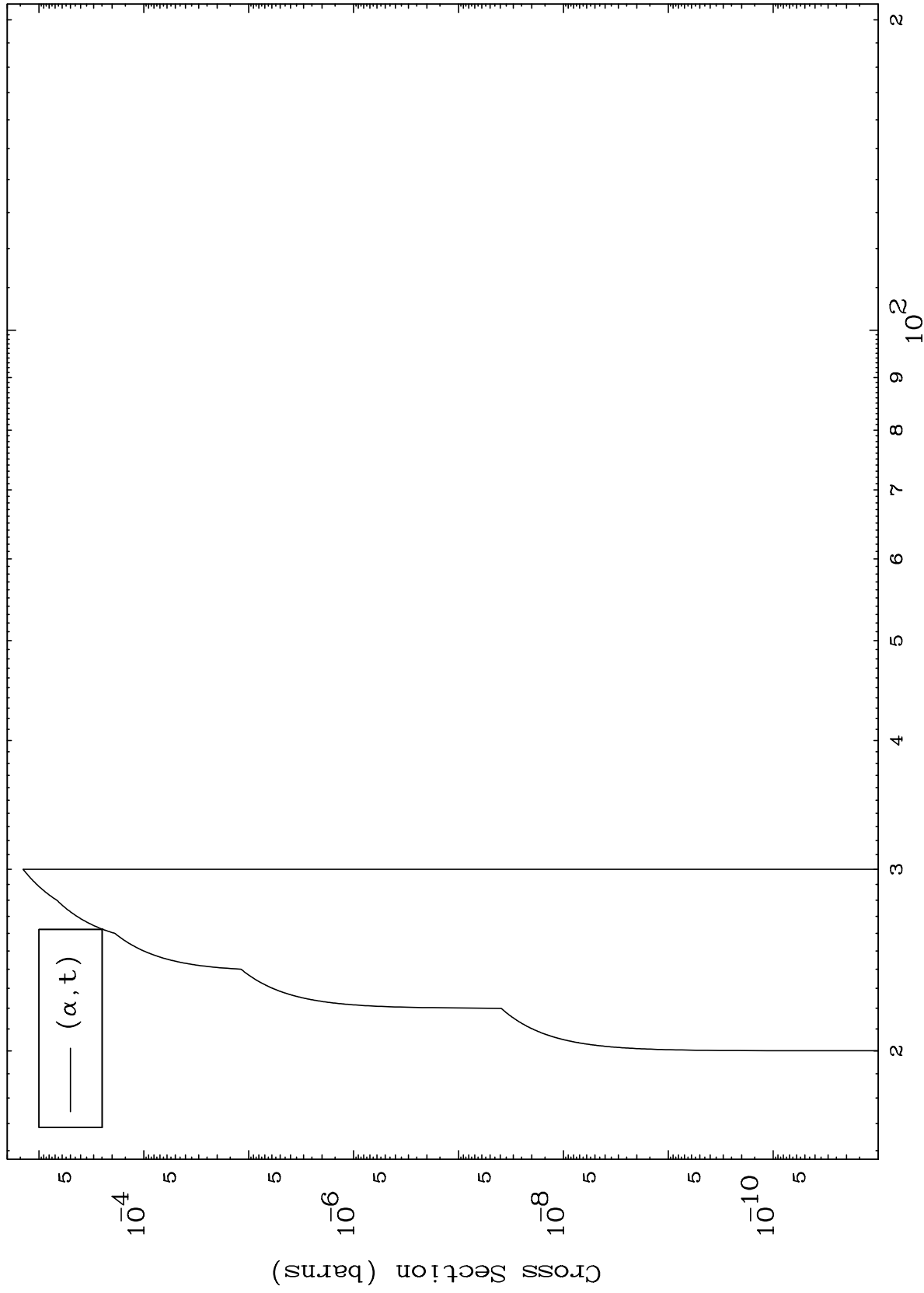
Incident Energy (MeV)

58-Ce-135

MAT 5822

58-Ce-135

(α, t) Levels
0 Kelvin Cross Sections

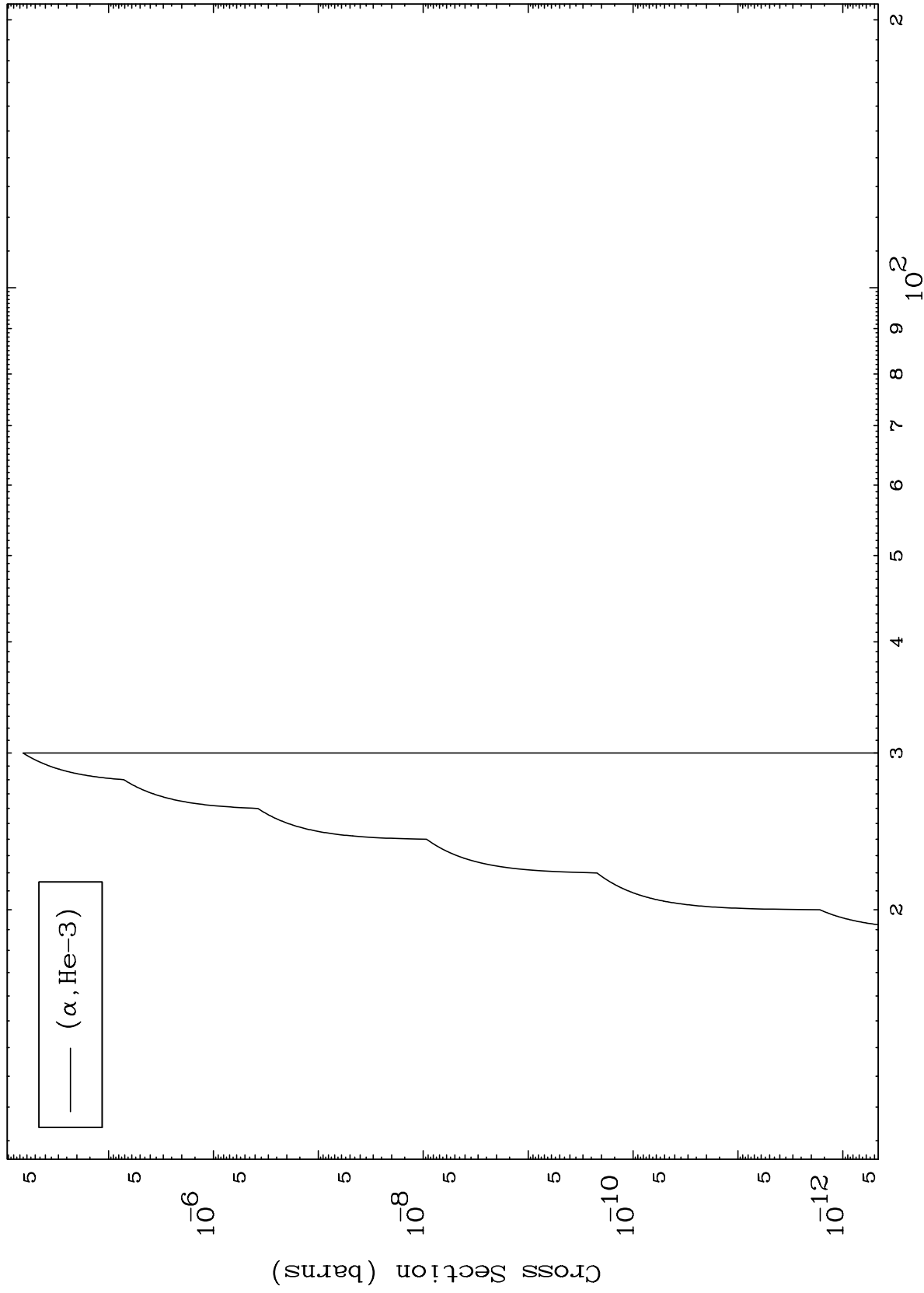


8

Incident Energy (MeV)

58-Ce-135

(α ,He3) Levels
0 Kelvin Cross Sections

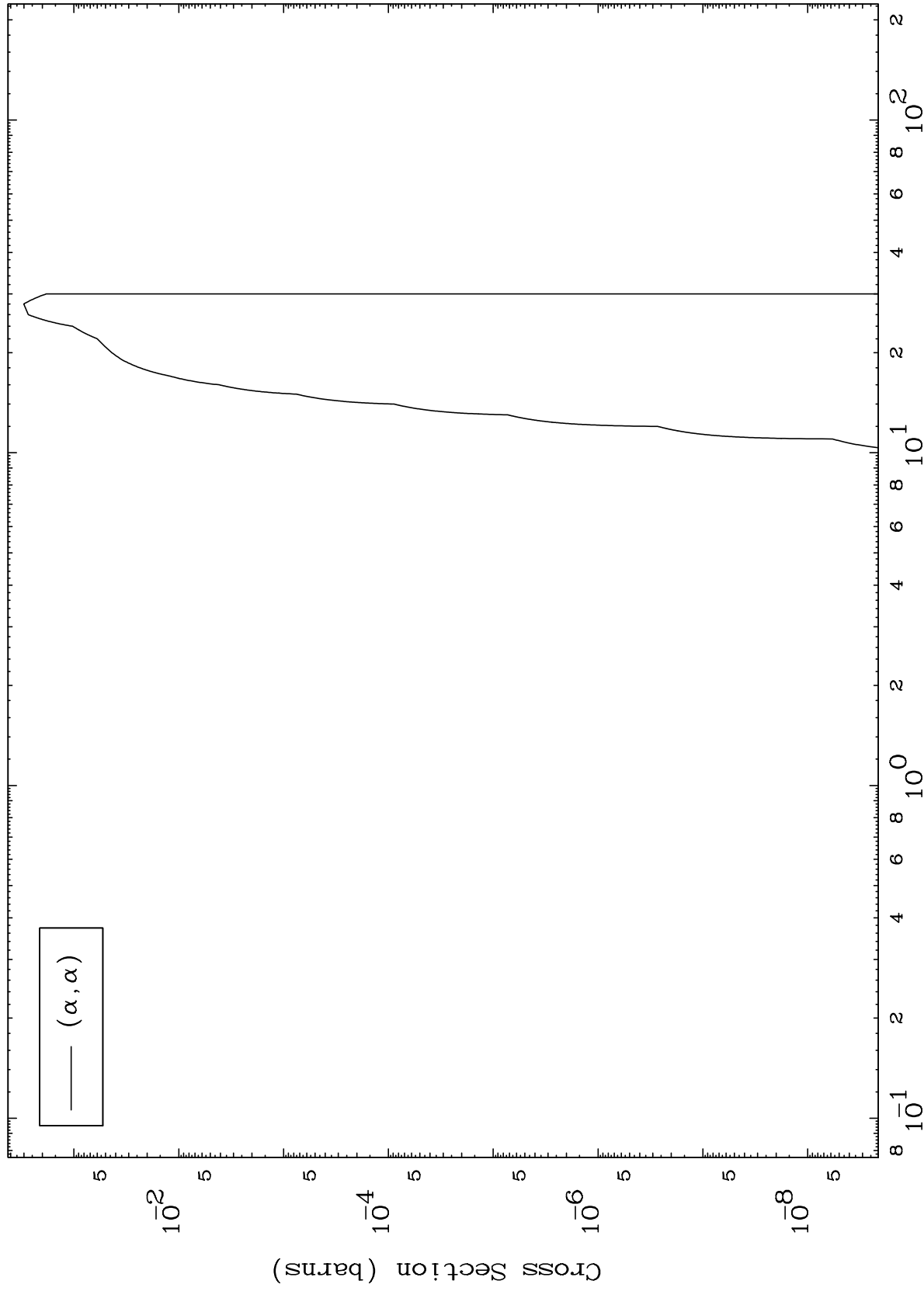


MAT 5822

(α, α) Levels

58-Ce-135

0 Kelvin Cross Sections



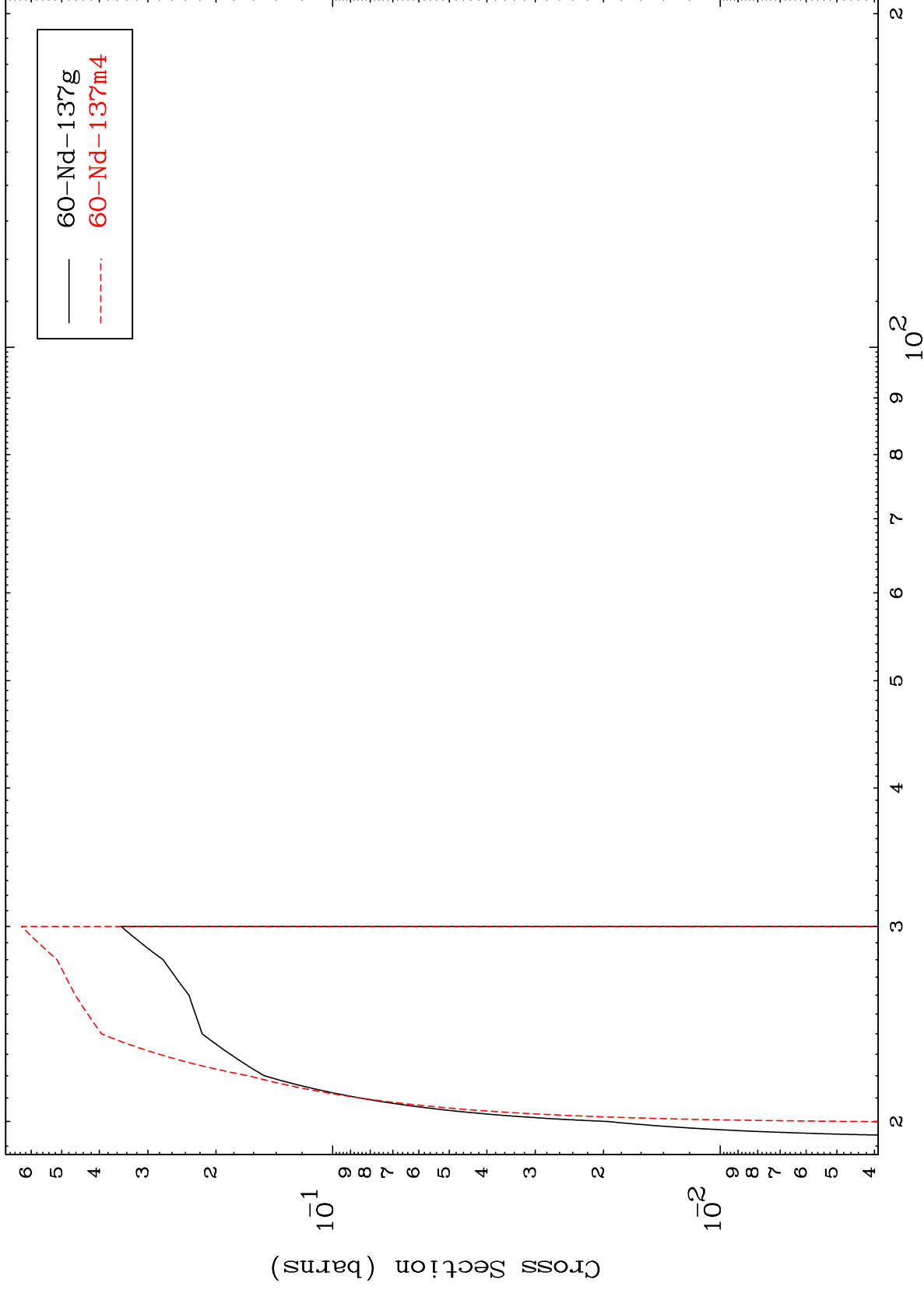
Incident Energy (MeV)

58-Ce-135

MAT 5822

58-Ce-135

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



11

Incident Energy (MeV)

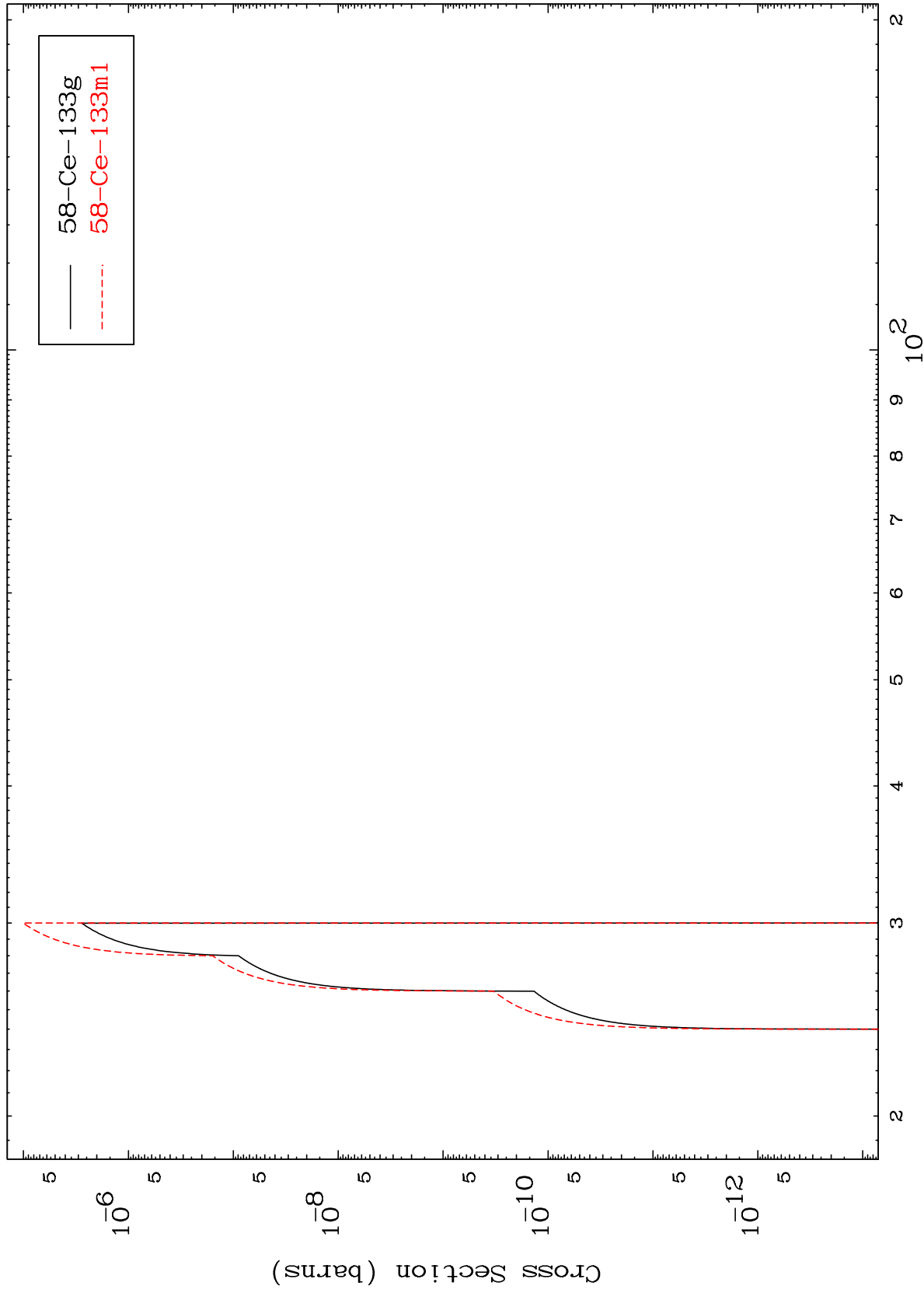
58-Ce-135

MAT 5822

$(\alpha, 2n) \alpha$

58-Ce-135

Radionuclide Production Cross Section



12

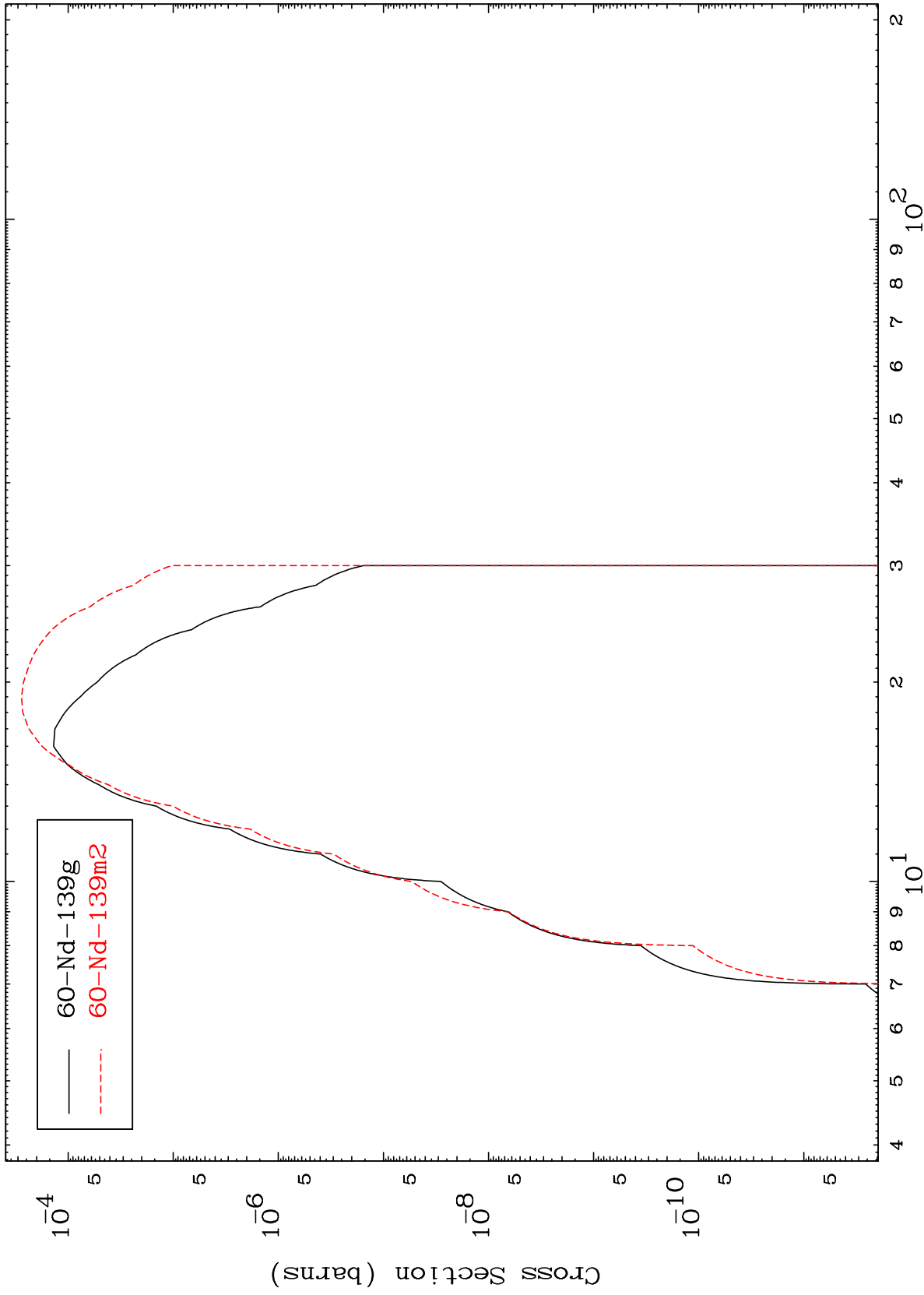
Incident Energy (MeV)

58-Ce-135

MAT 5822

58-Ce-135

(α, γ)
Radionuclide Production Cross Section



13

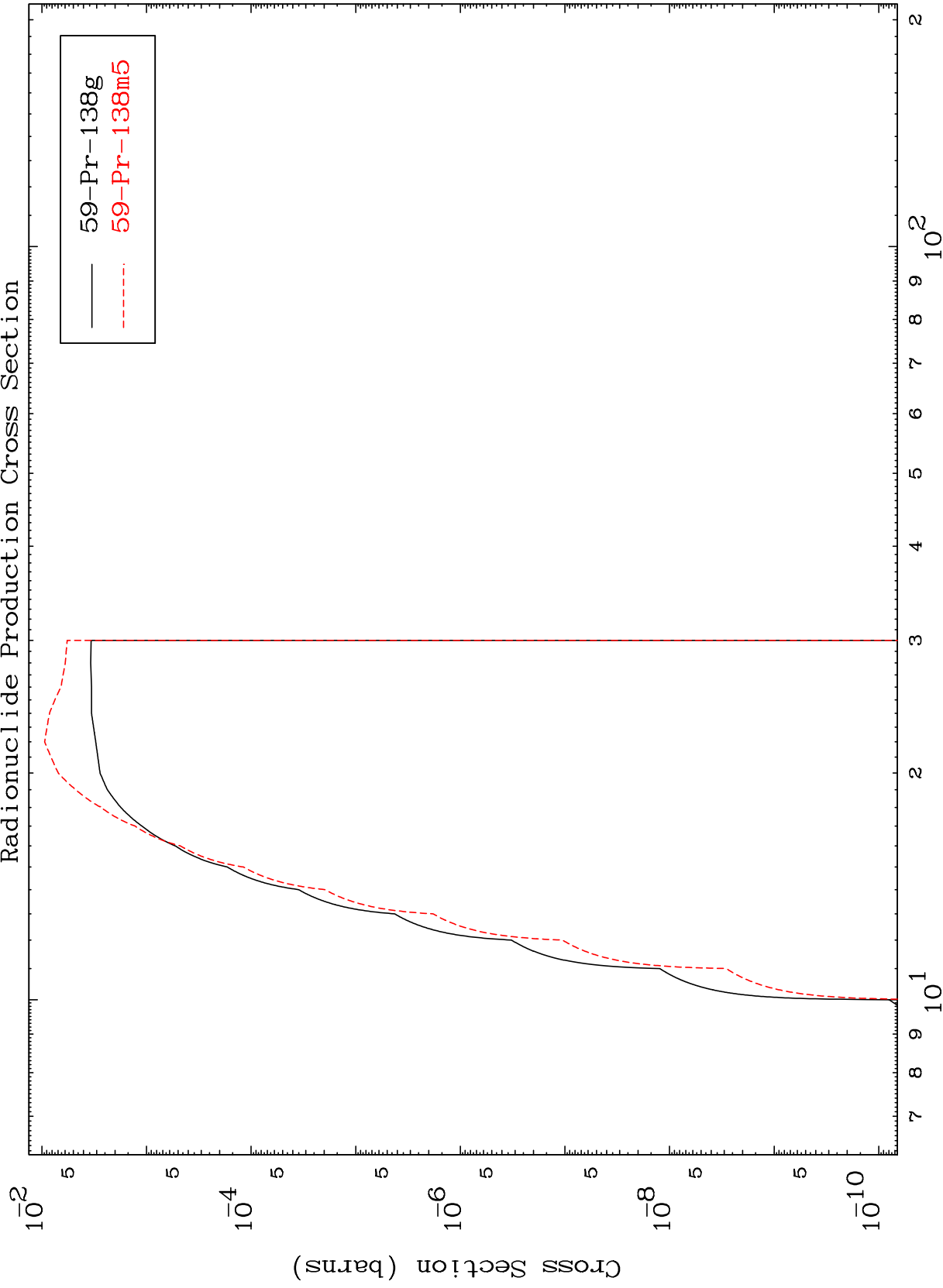
Incident Energy (MeV)

58-Ce-135

MAT 5822

58-Ce-135

(α, p)
Radionuclide Production Cross Section



14

Incident Energy (MeV)

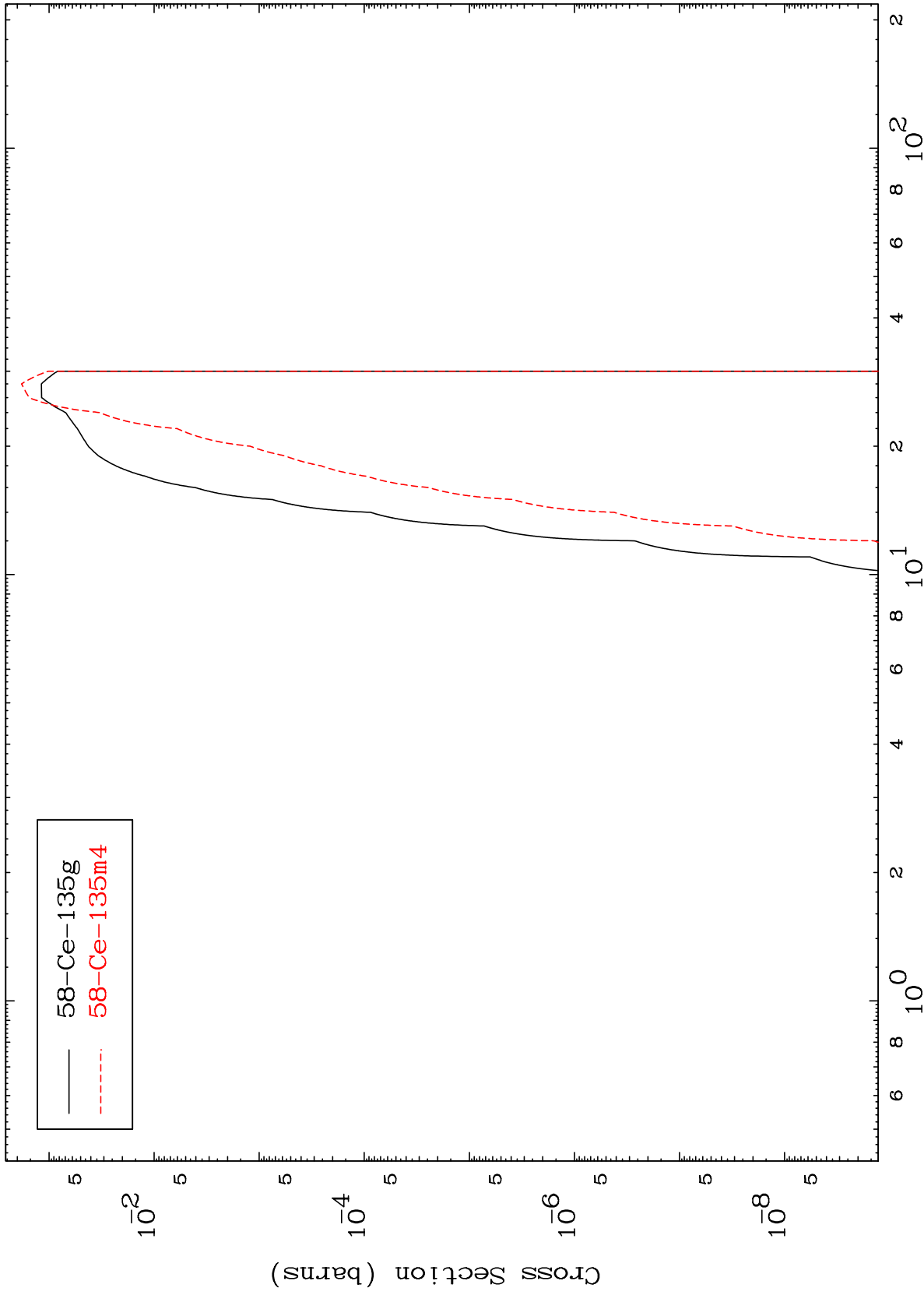
58-Ce-135

MAT 5822

(α, α)

58-Ce-135

Radionuclide Production Cross Section



15

Incident Energy (MeV)

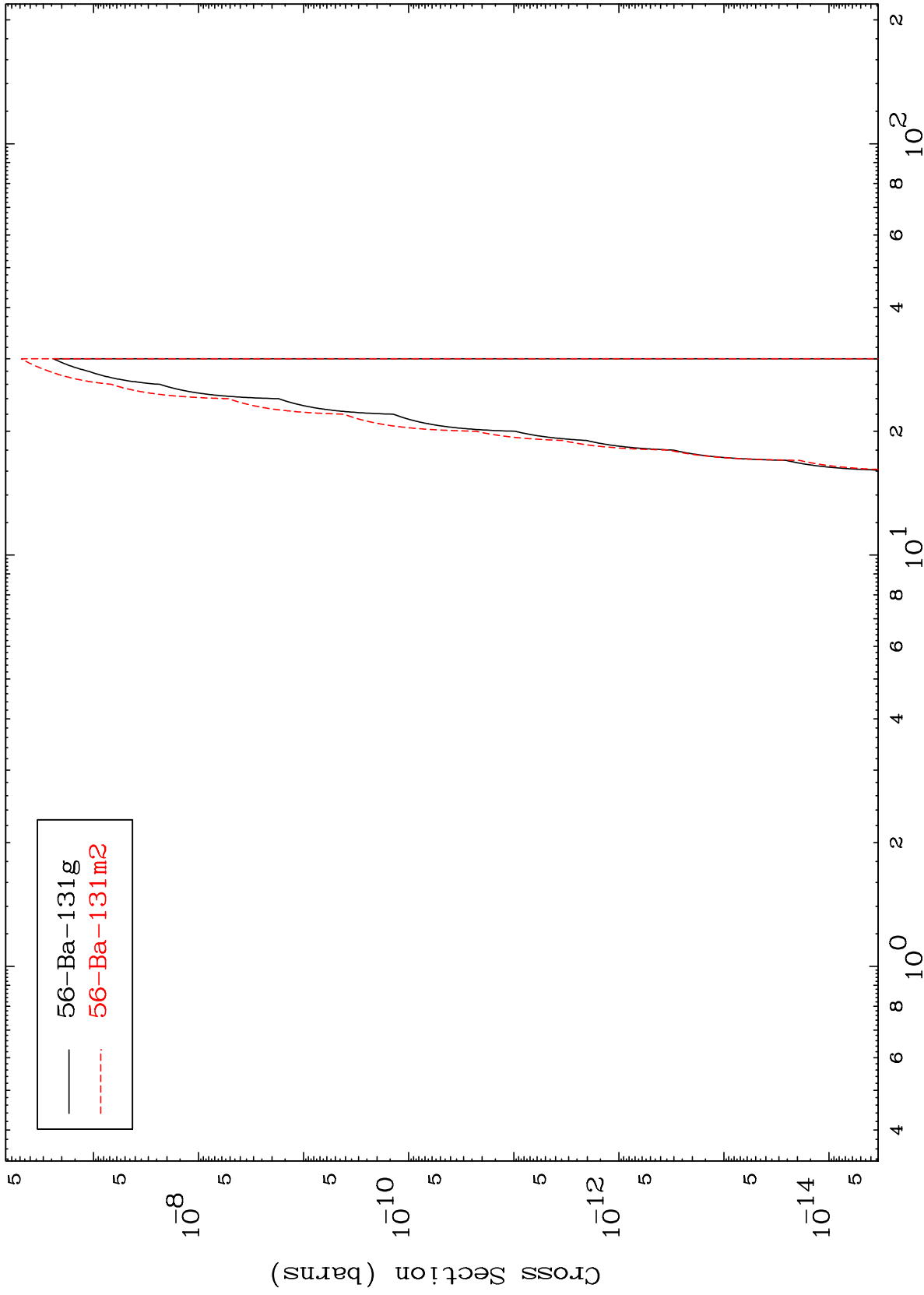
58-Ce-135

MAT 5822

$(\alpha, 2\alpha)$

58-Ce-135

Radionuclide Production Cross Section



16

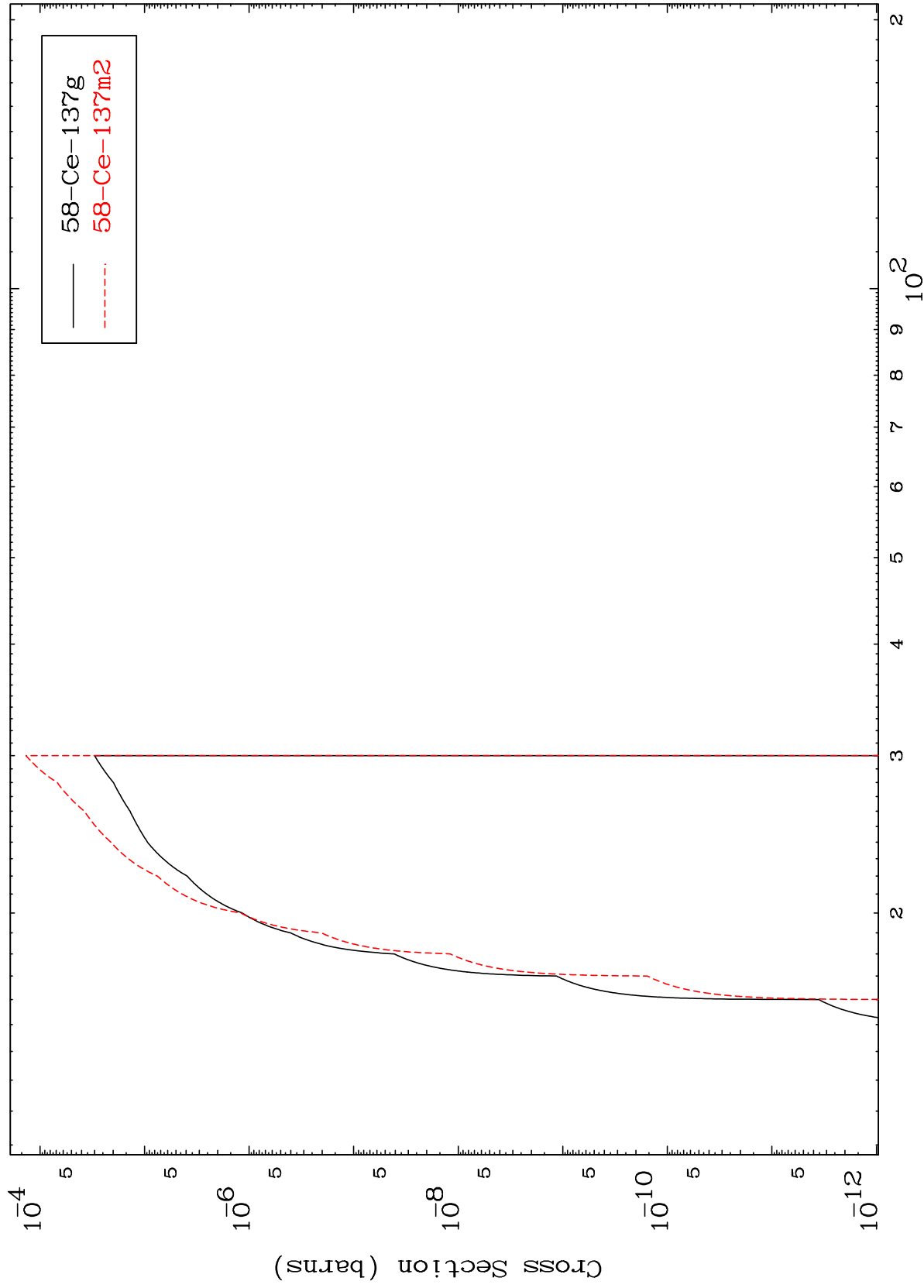
Incident Energy (MeV)

58-Ce-135

MAT 5822

58-Ce-135

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



17

Incident Energy (MeV)

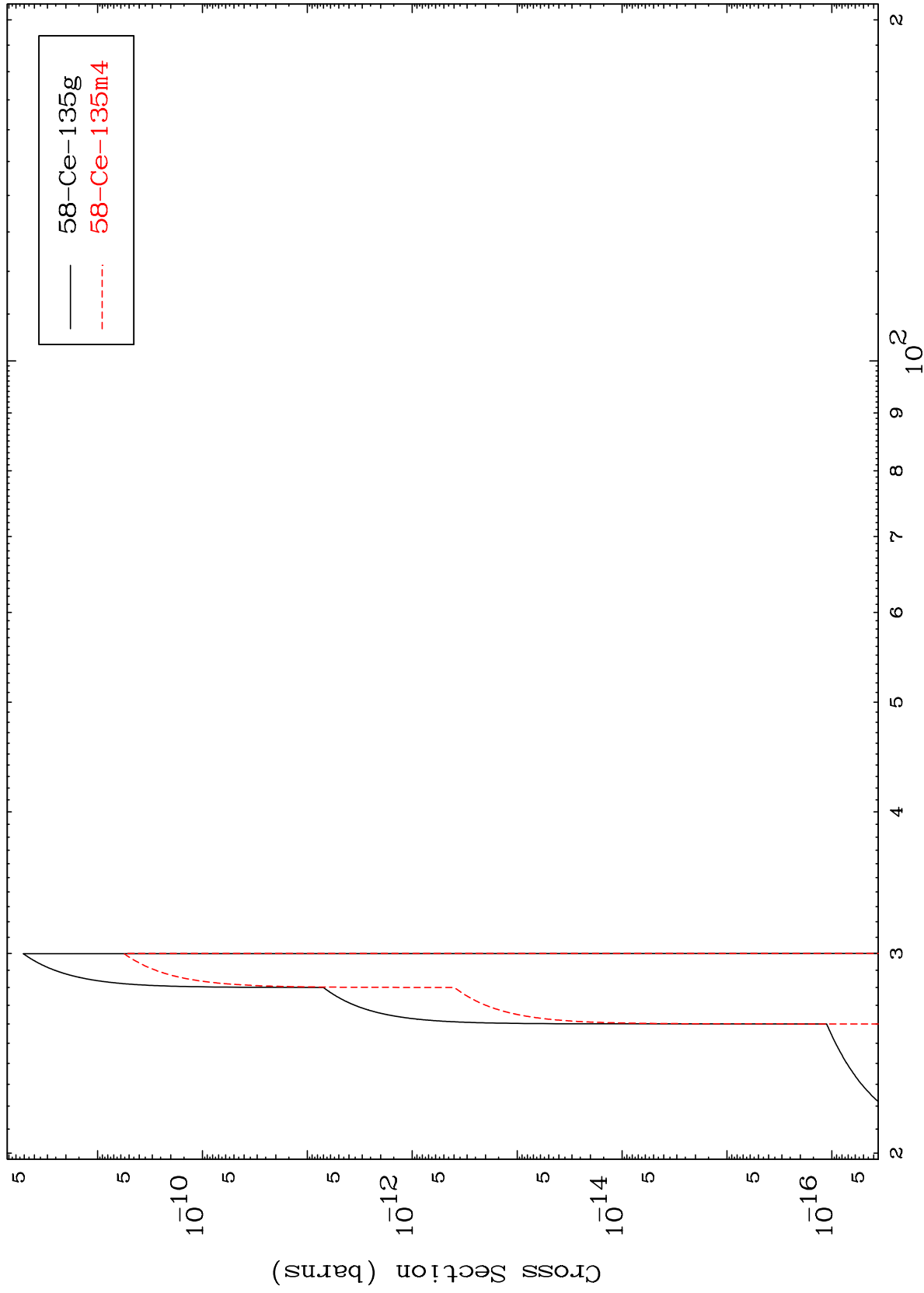
58-Ce-135

MAT 5822

(α ,p) t

58-Ce-135

Radionuclide Production Cross Section



18

Incident Energy (MeV)

58-Ce-135