

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

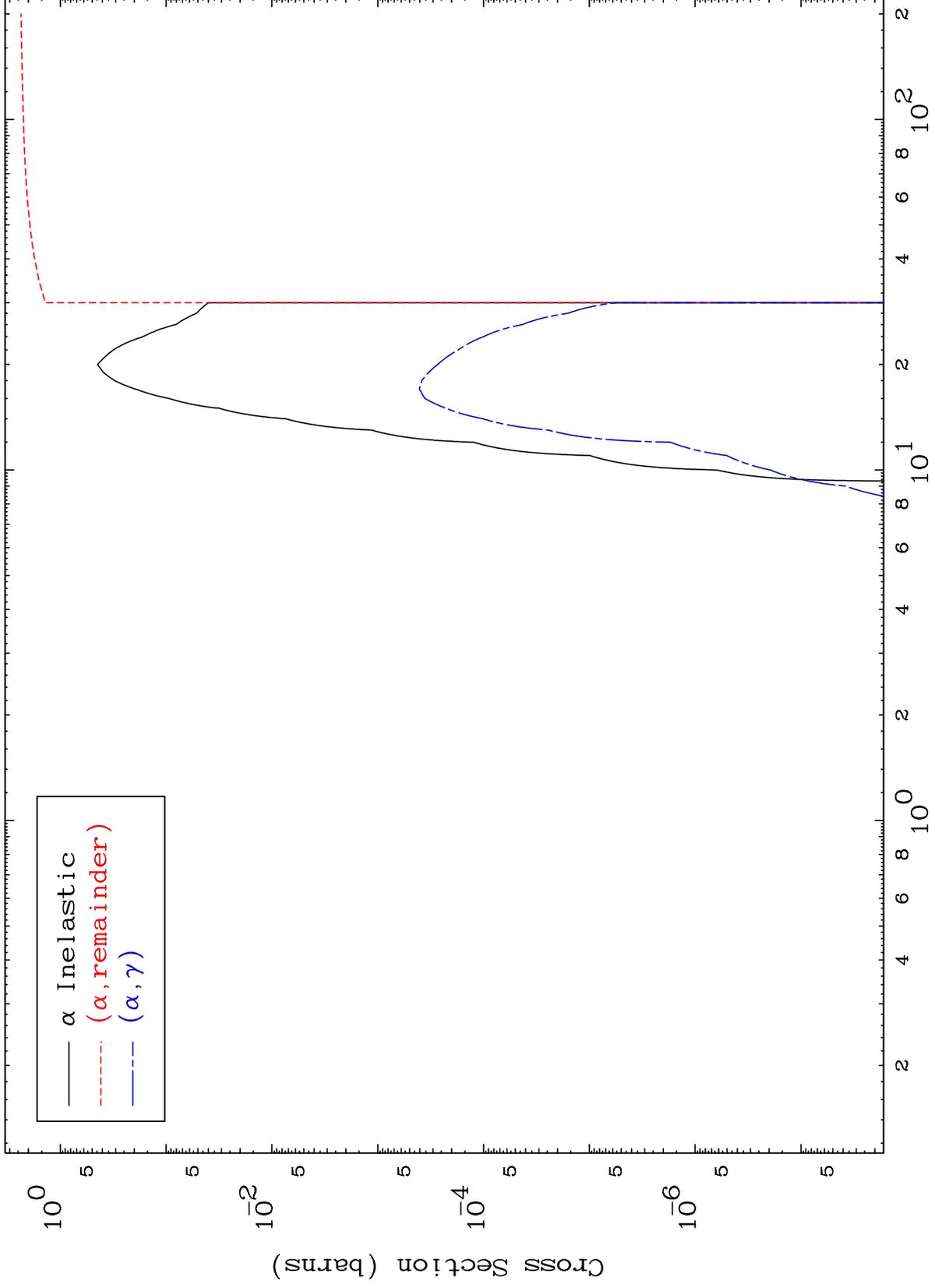
Press Mouse Button to Start

MAT 5831

α Major

58-Ce-138

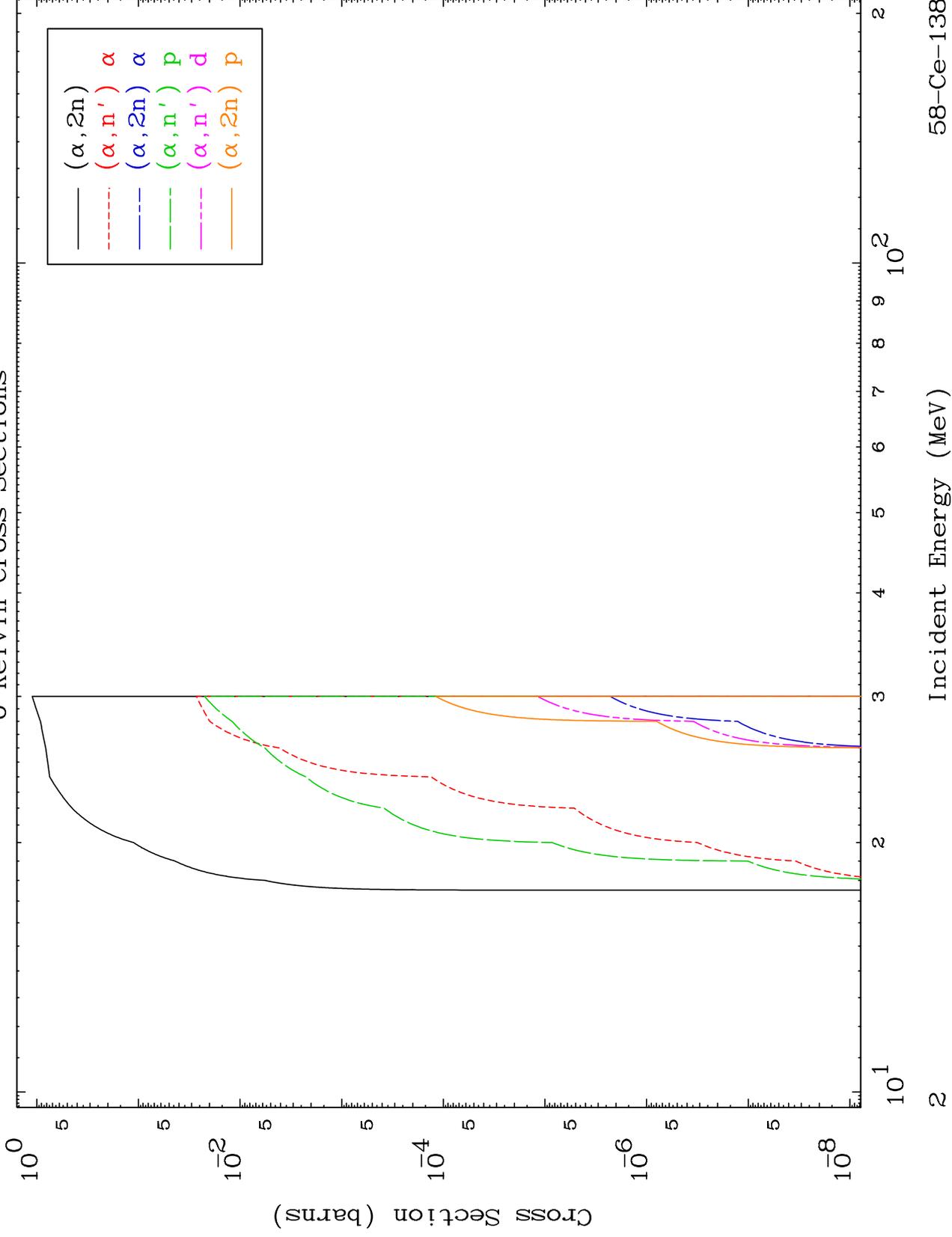
0 Kelvin Cross Sections



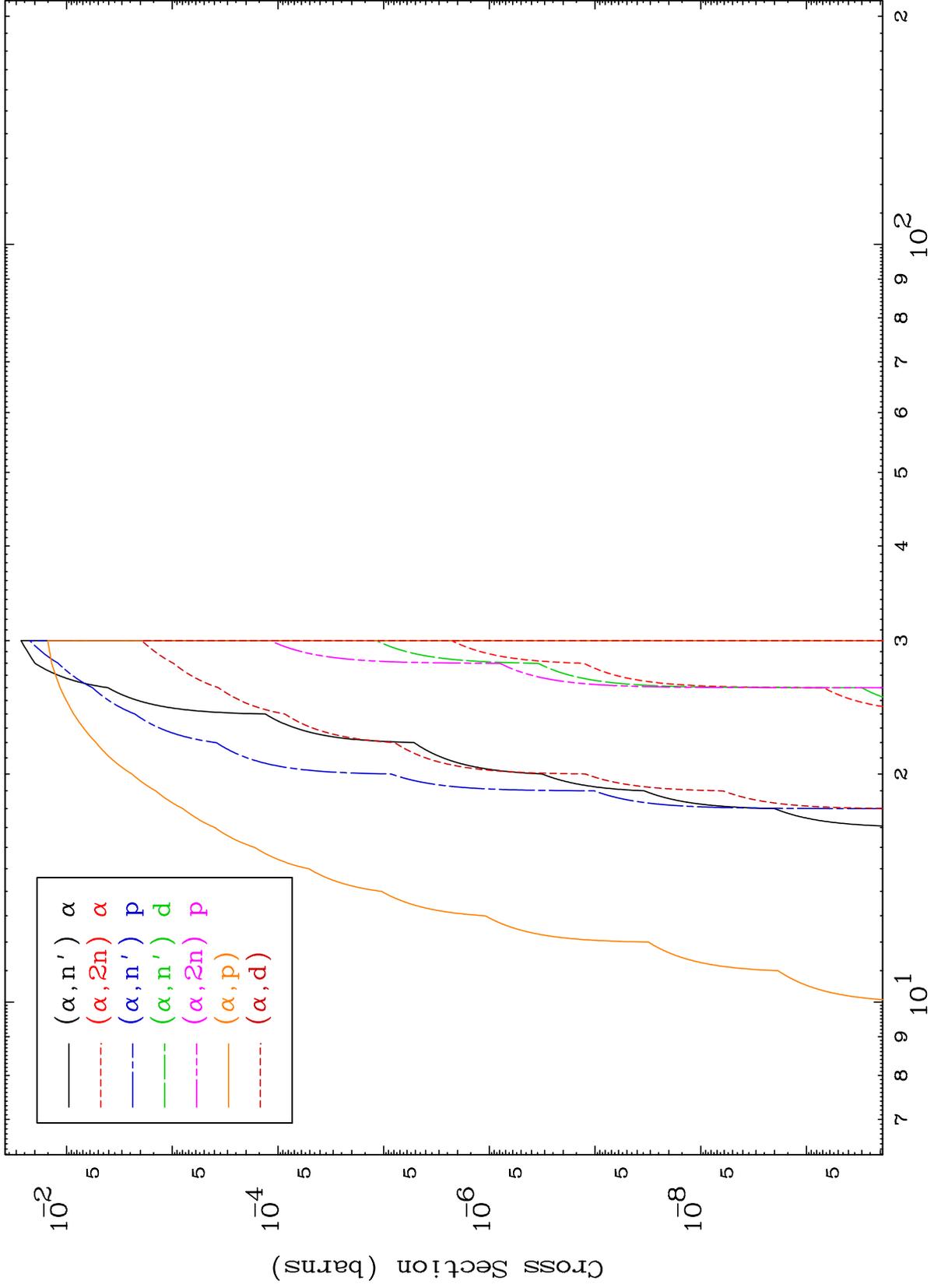
MAT 5831

α Neutron Production
0 Kelvin Cross Sections

58-Ce-138



58-Ce-138

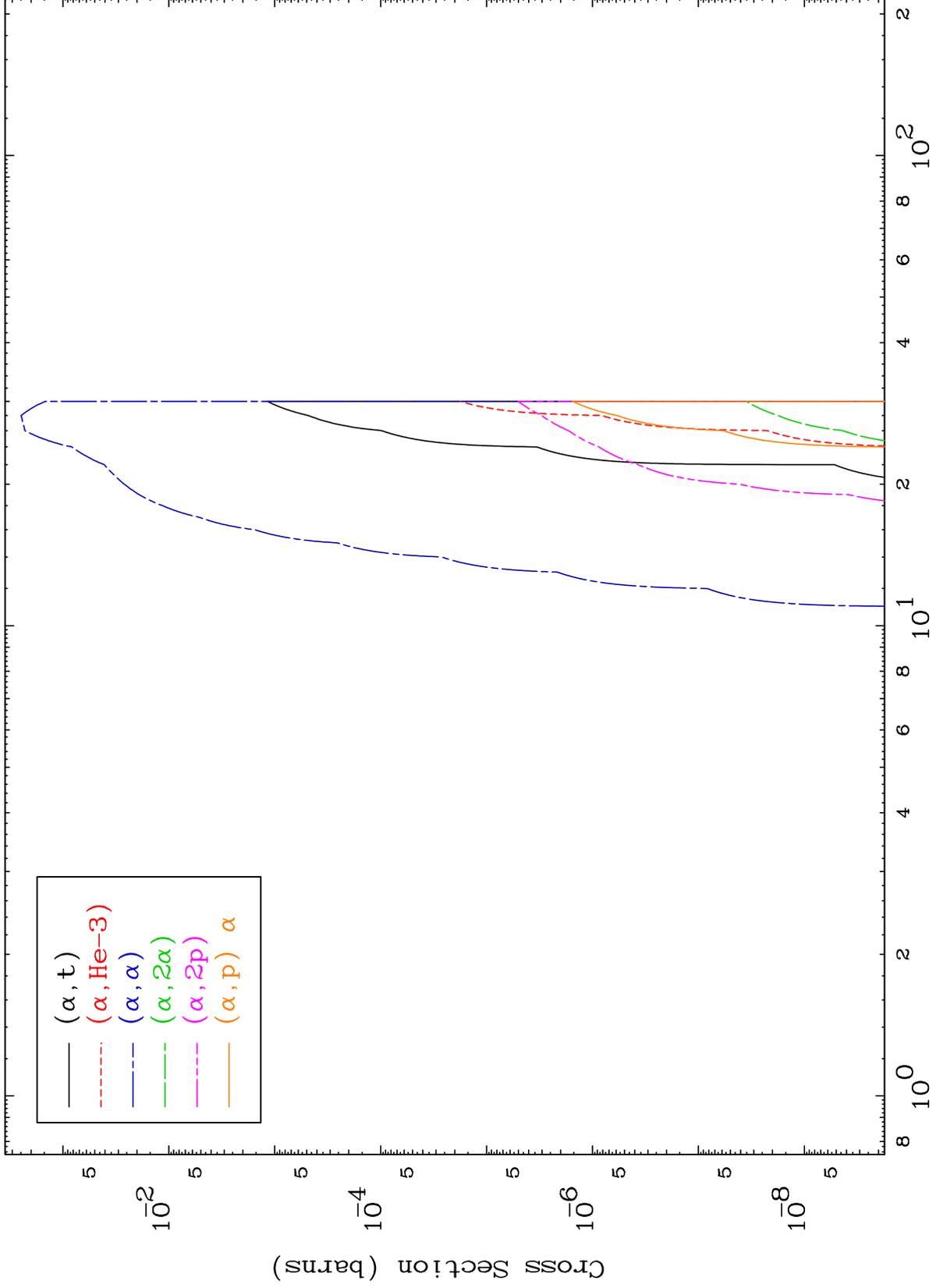


MAT 5831

α Charged Particle

58-Ce-138

0 Kelvin Cross Sections



Incident Energy (MeV)

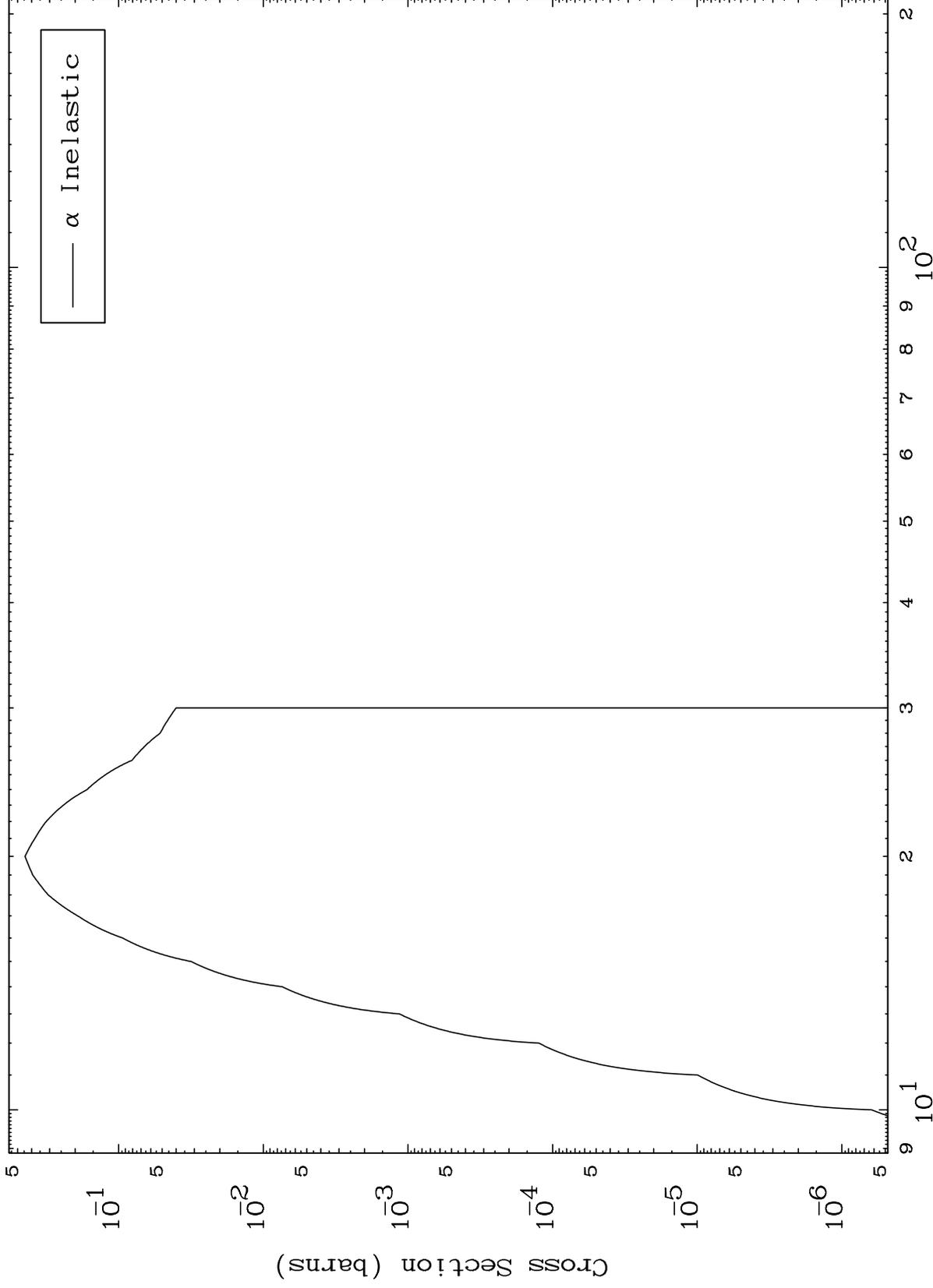
58-Ce-138

MAT 5831

(α, n') Level

58-Ce-138

0 Kelvin Cross Sections



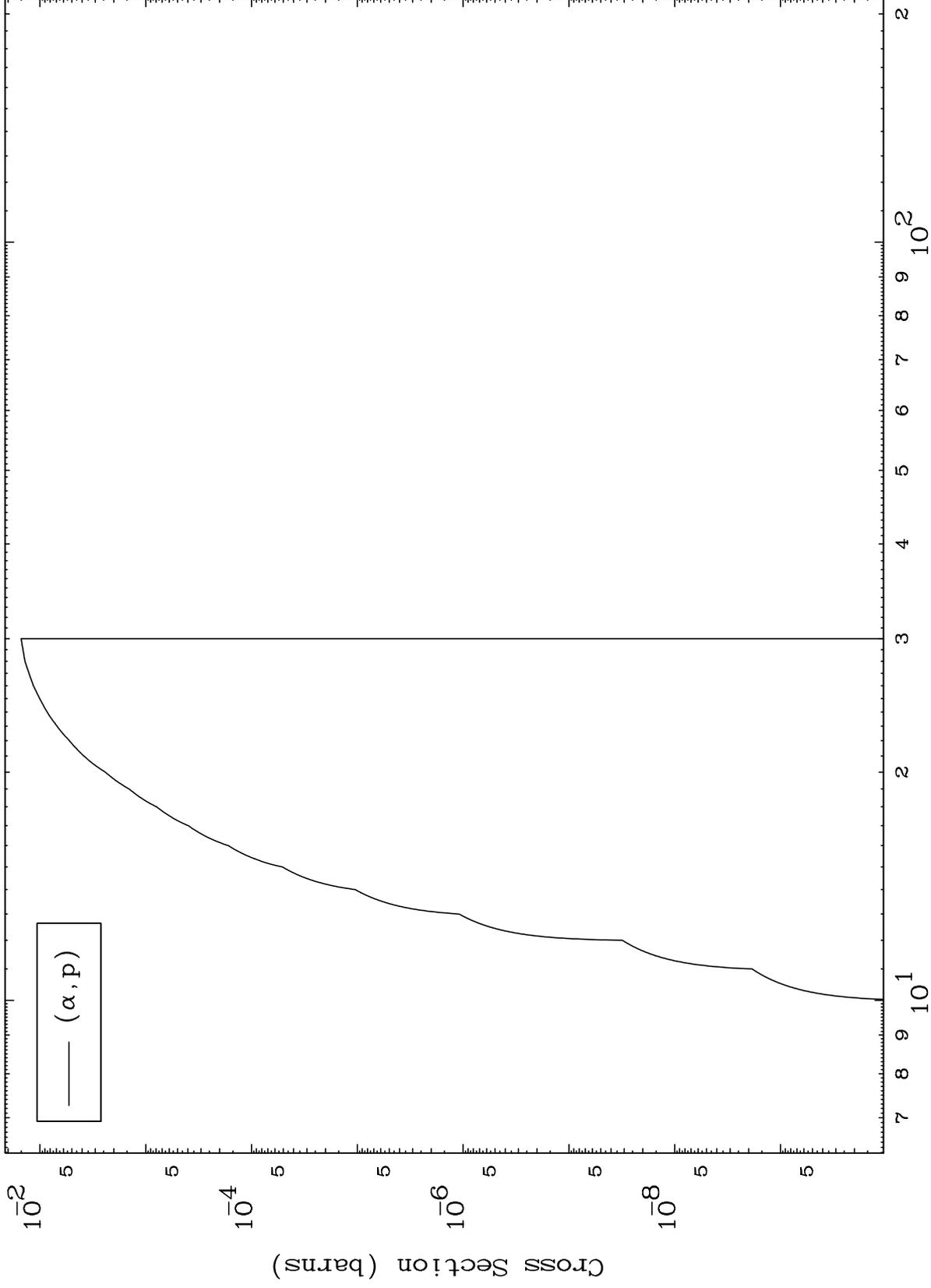
Incident Energy (MeV)

58-Ce-138

MAT 5831

(α, p) Levels
0 Kelvin Cross Sections

58-Ce-138



6

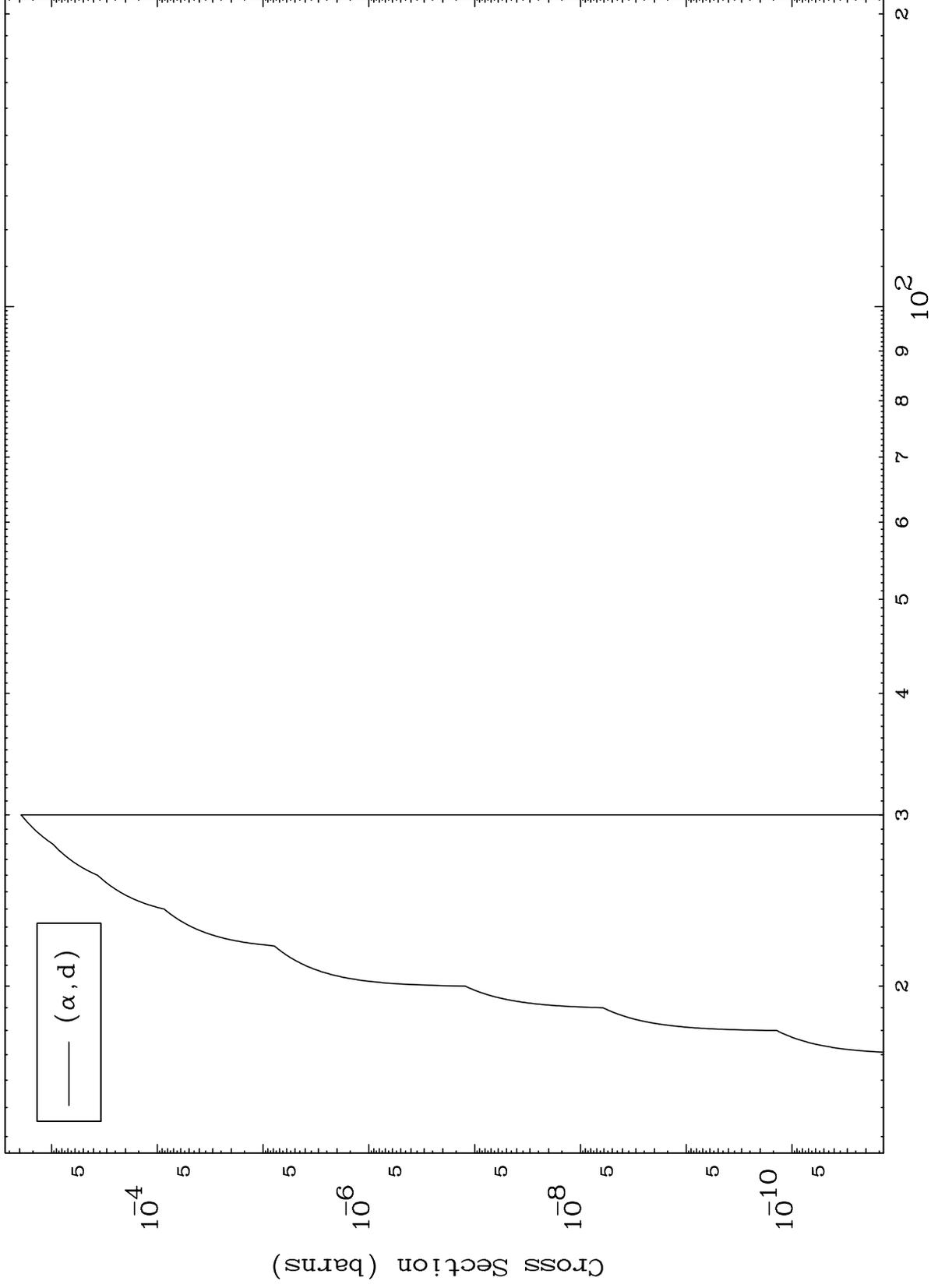
Incident Energy (MeV)

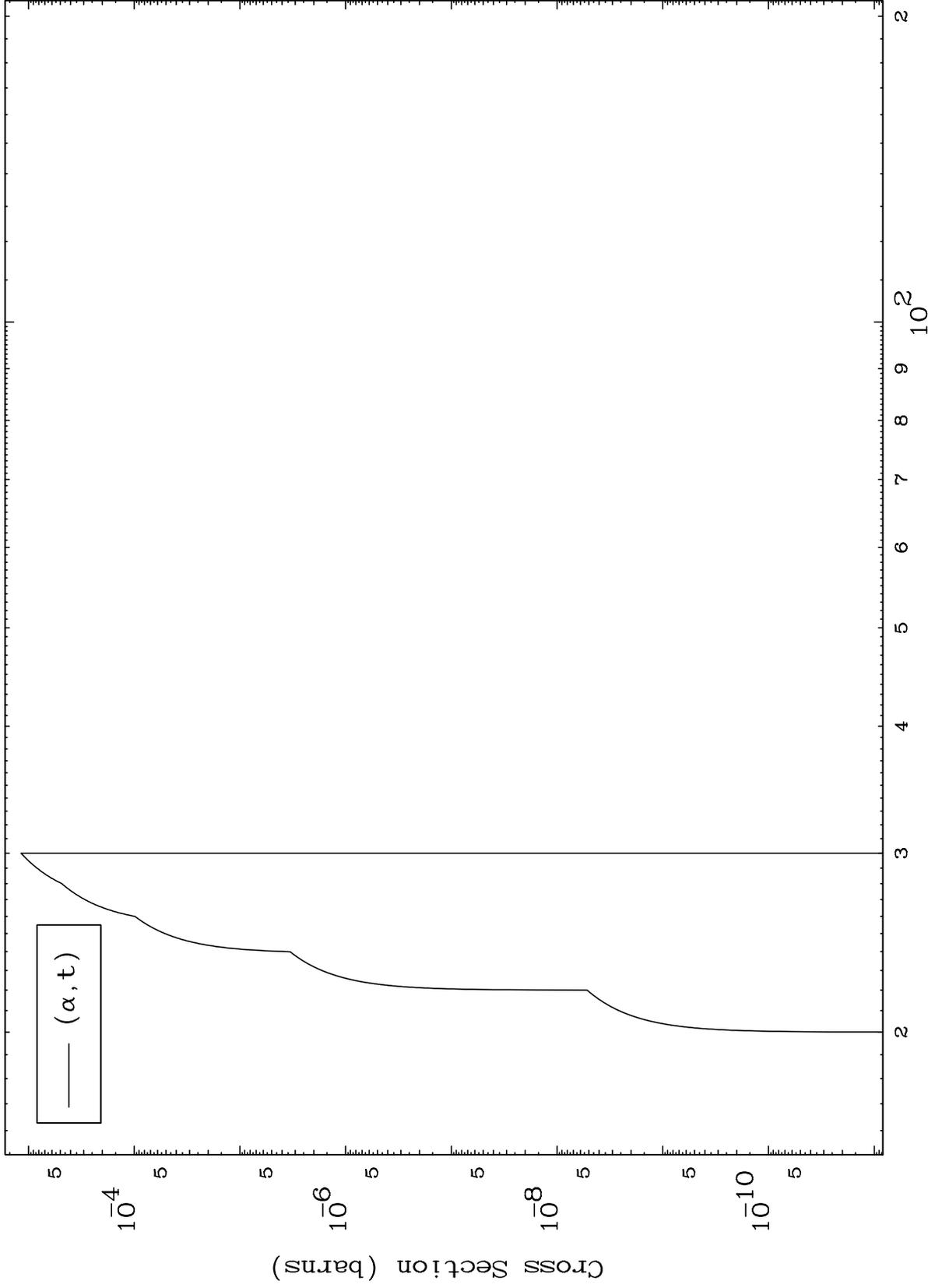
58-Ce-138

MAT 5831

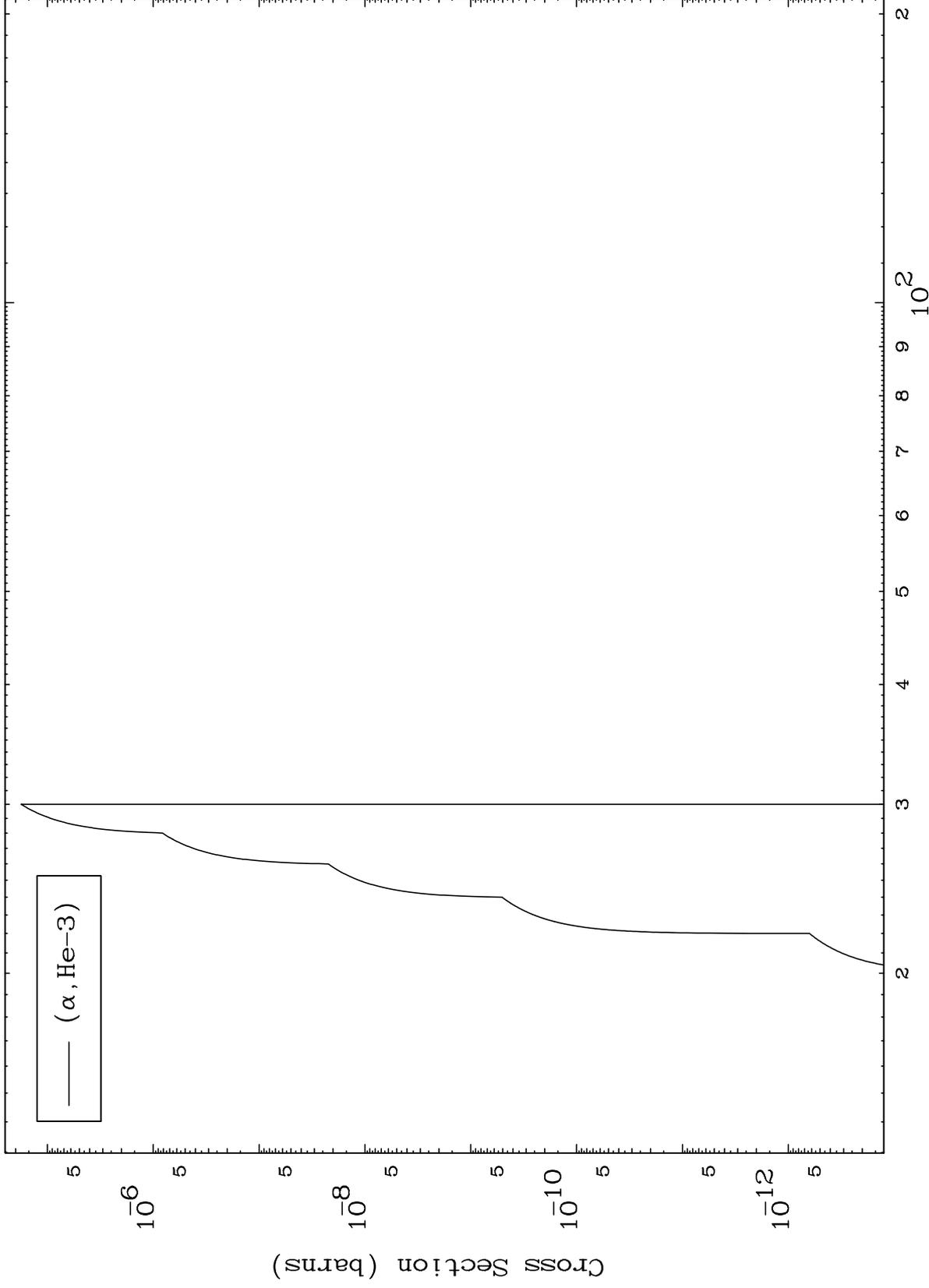
(α, d) Levels
0 Kelvin Cross Sections

58-Ce-138





0 Kelvin Cross Sections

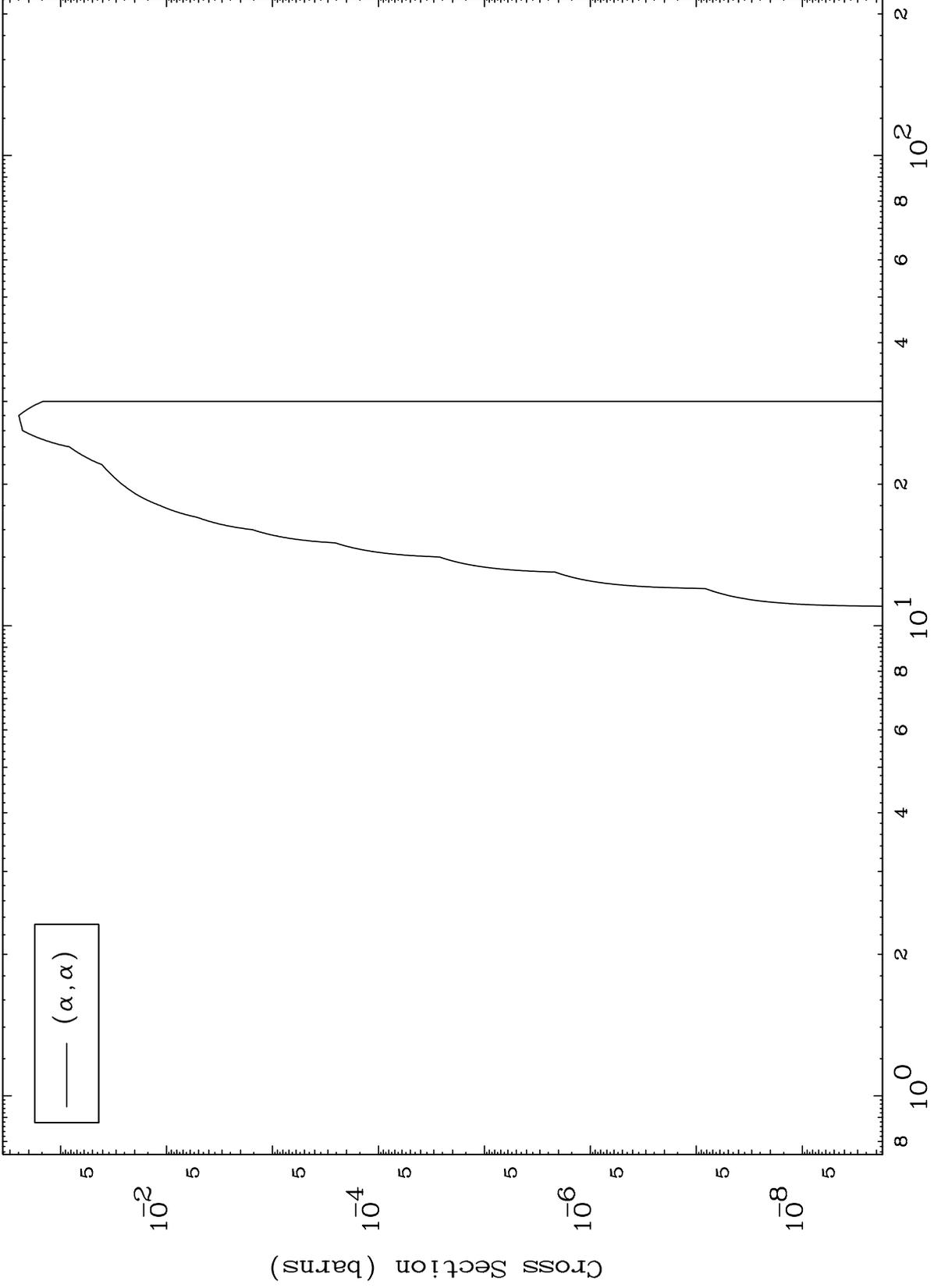


MAT 5831

(α, α) Levels

58-Ce-138

0 Kelvin Cross Sections



10

Incident Energy (MeV)

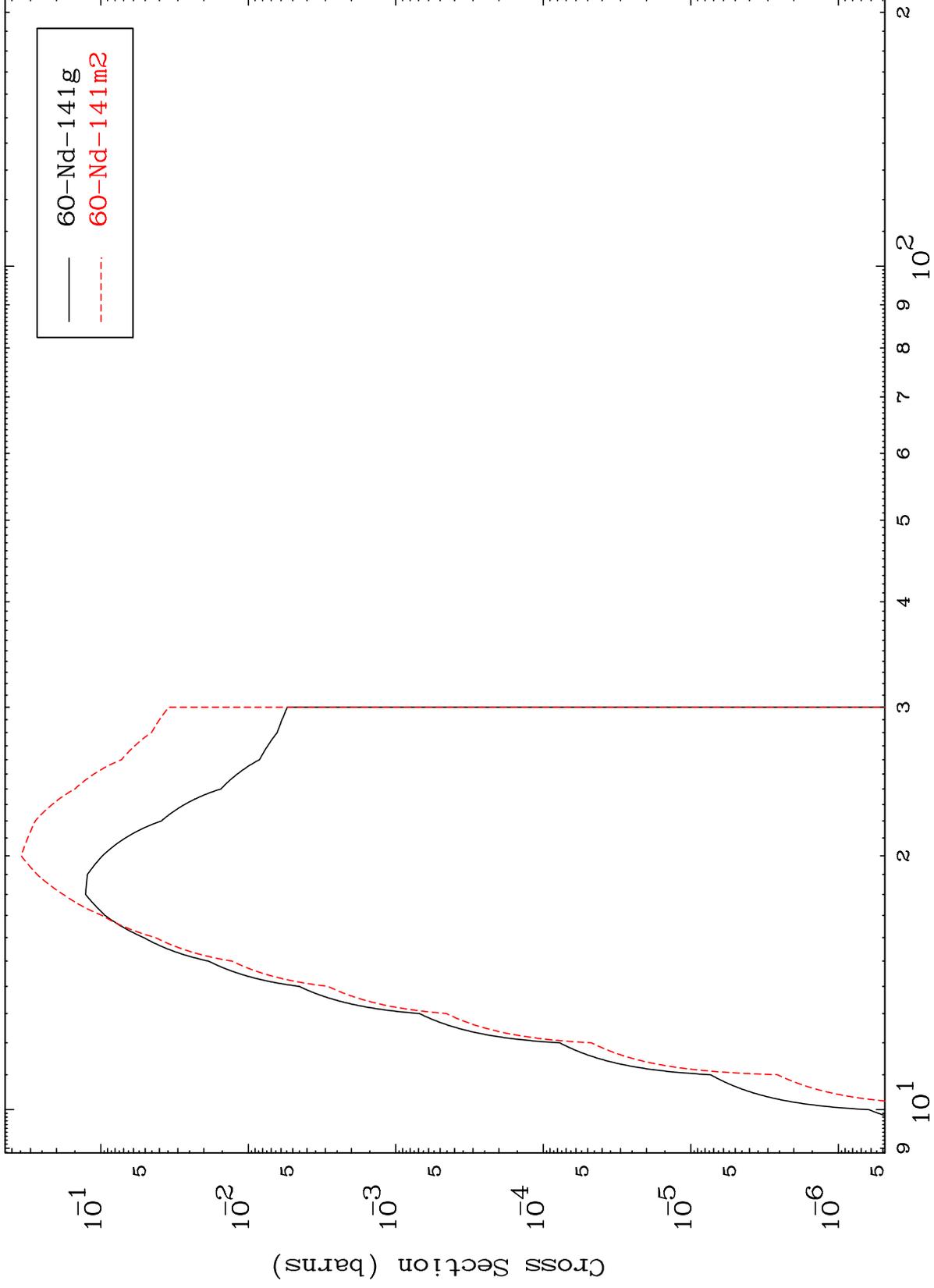
58-Ce-138

MAT 5831

58-Ce-138

Radionuclide Production Cross Section

α Inelastic



11

Incident Energy (MeV)

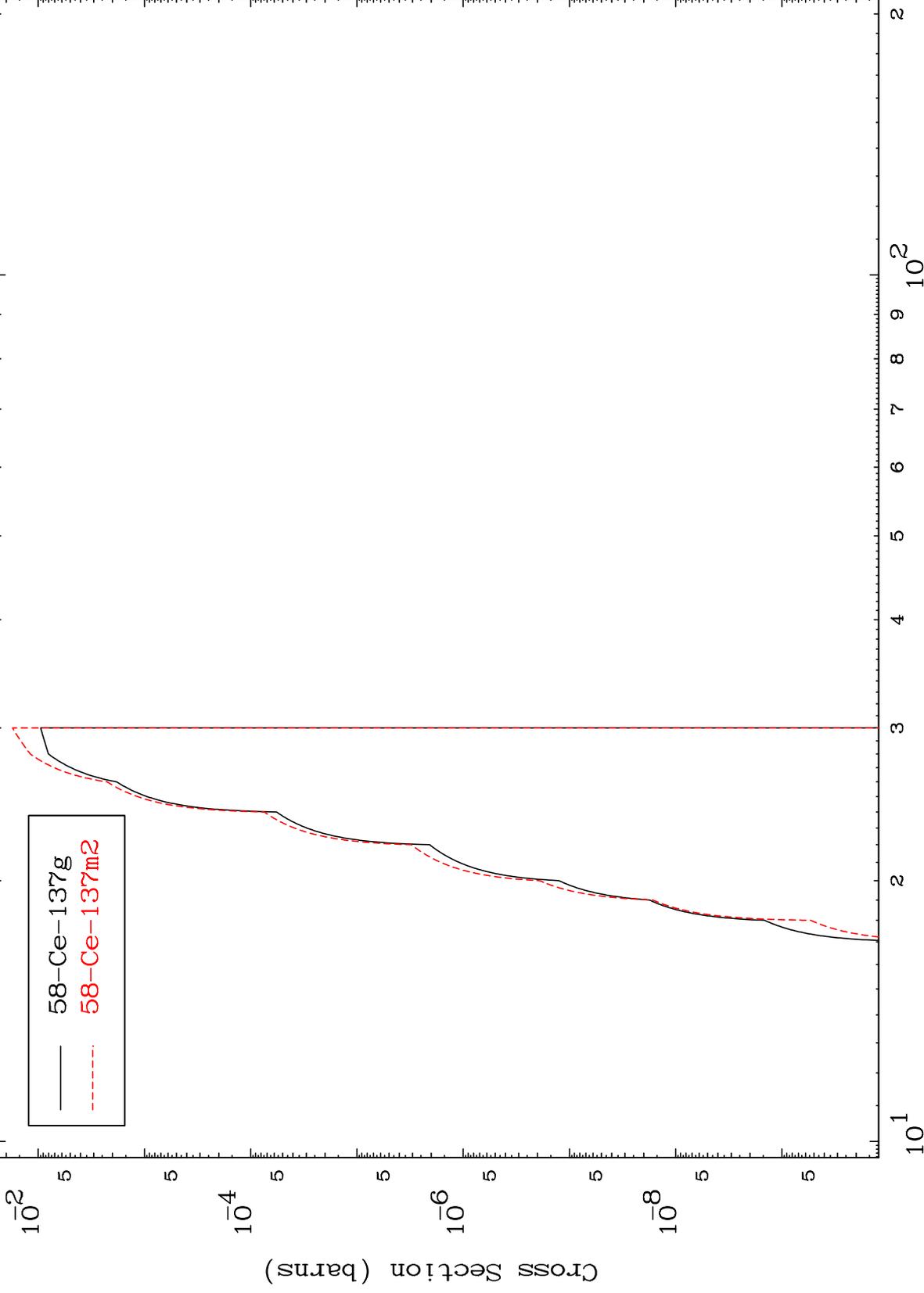
58-Ce-138

MAT 5831

(α, n') α

58-Ce-138

Radionuclide Production Cross Section



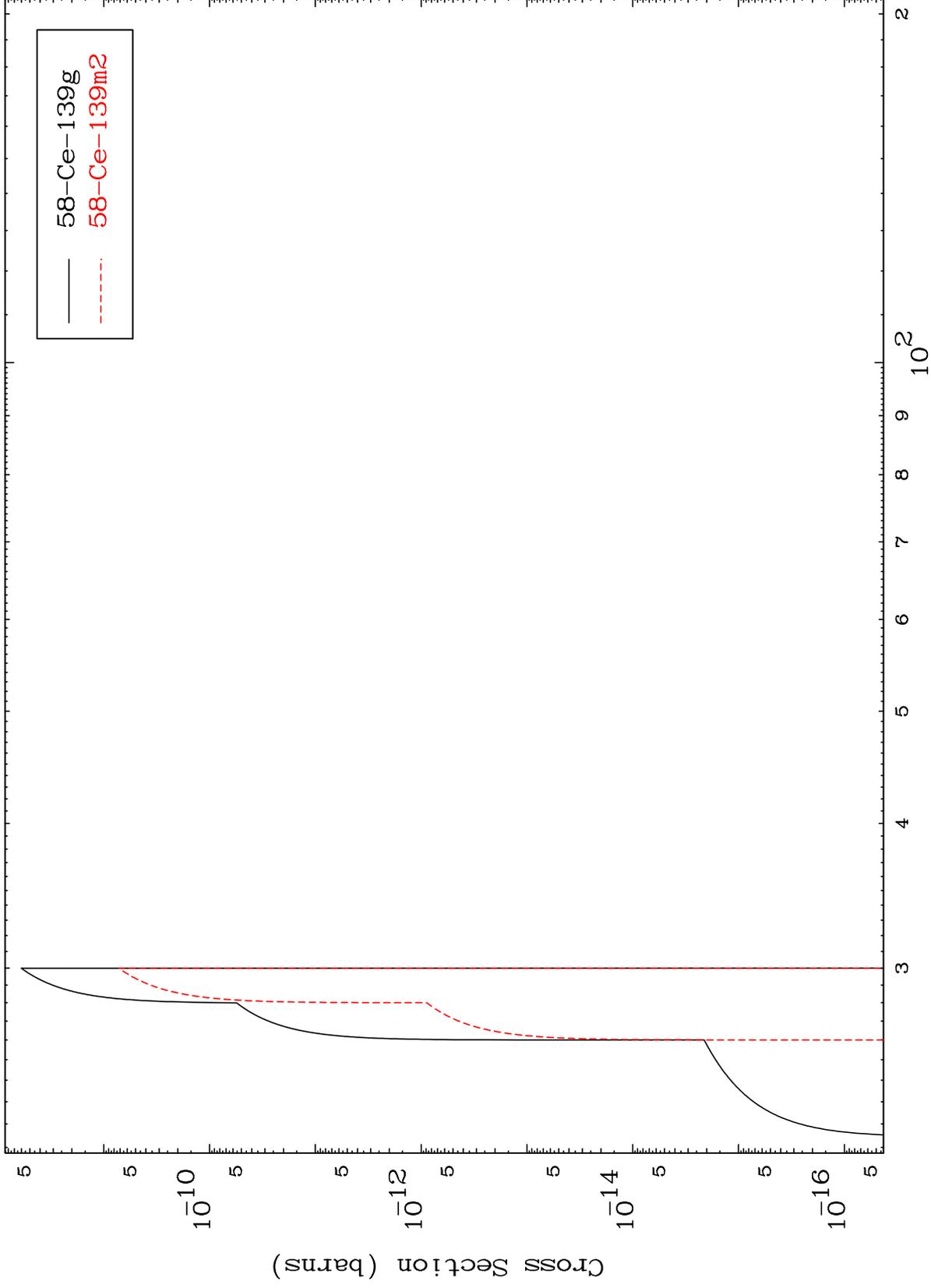
Incident Energy (MeV)

58-Ce-138

MAT 5831

58-Ce-138

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



13

58-Ce-138

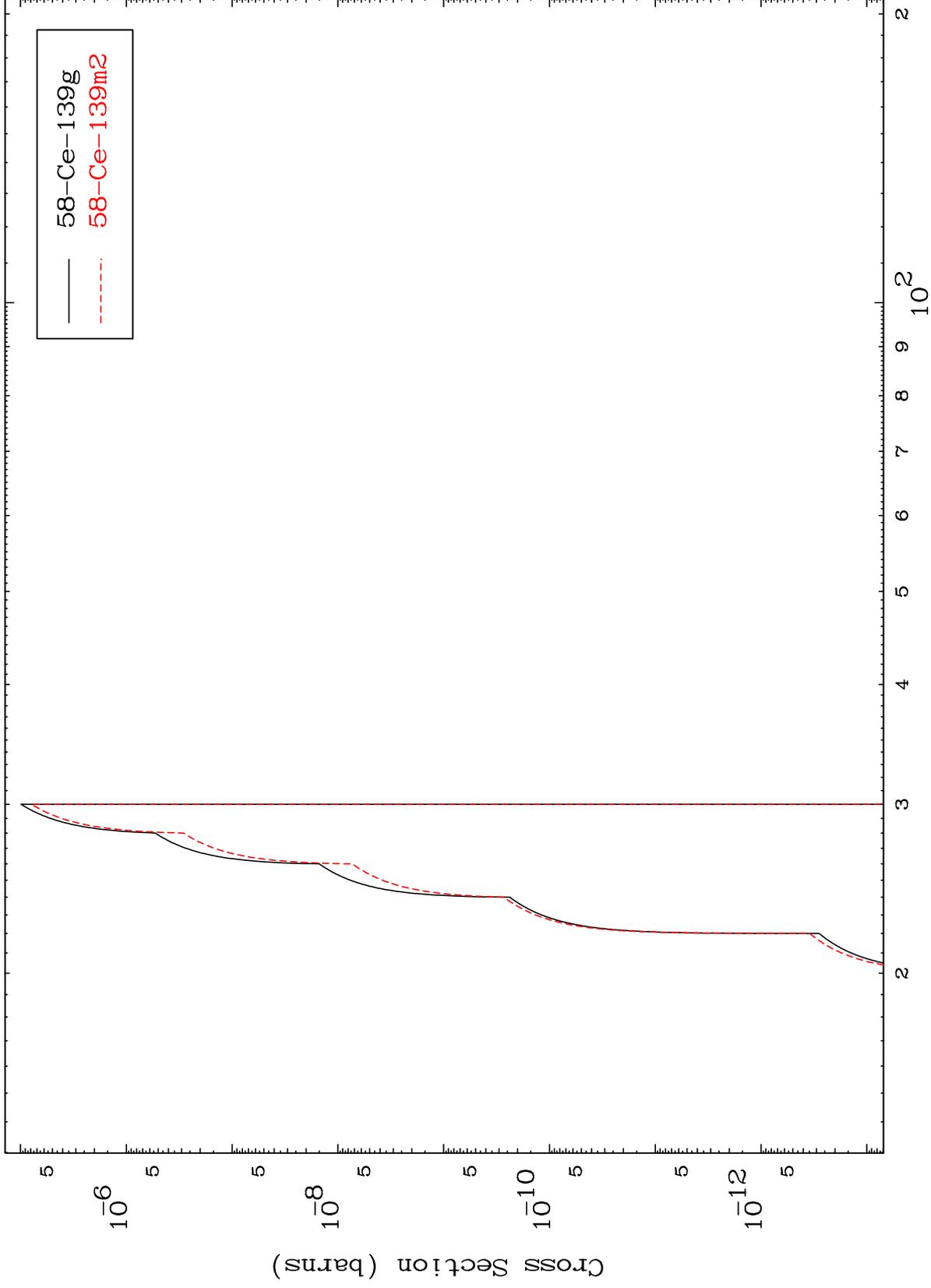
Incident Energy (MeV)

MAT 5831

(α ,He-3)

58-Ce-138

Radionuclide Production Cross Section



14

Incident Energy (MeV)

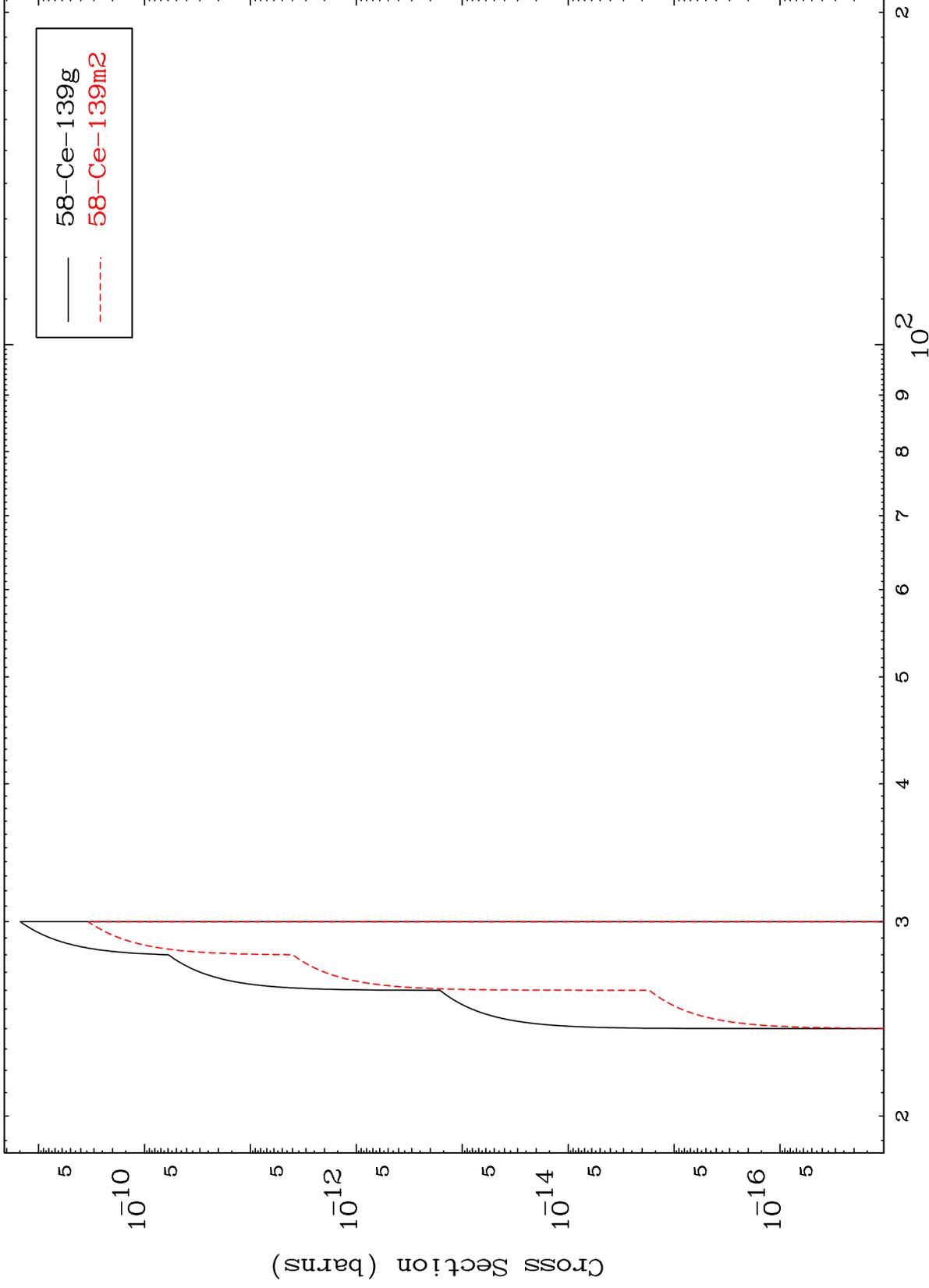
58-Ce-138

MAT 5831

(α, p) d

58-Ce-138

Radionuclide Production Cross Section



15

Incident Energy (MeV)

58-Ce-138