

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

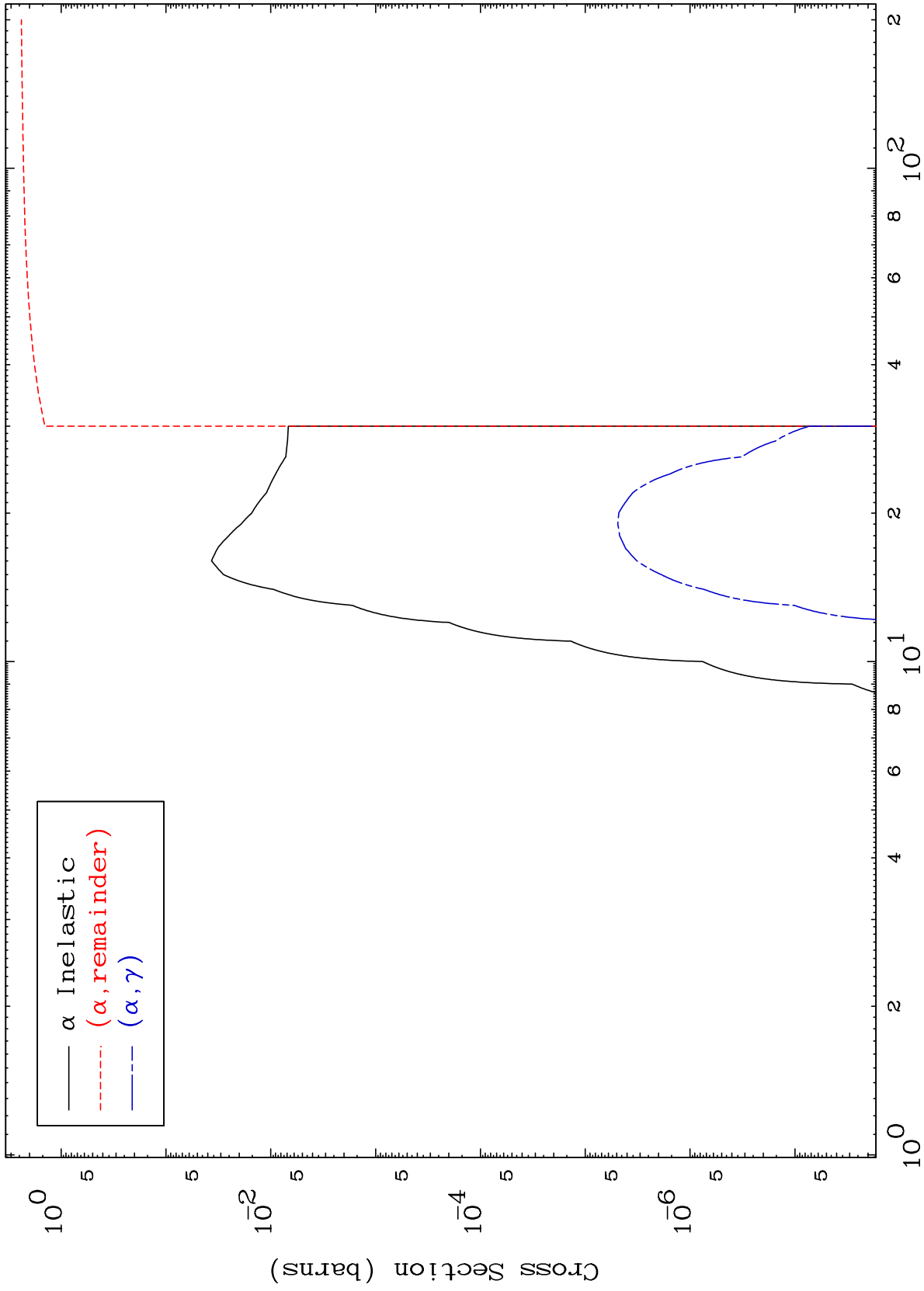
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5846

0 Kelvin α Major
Cross Sections

58-Ce-143



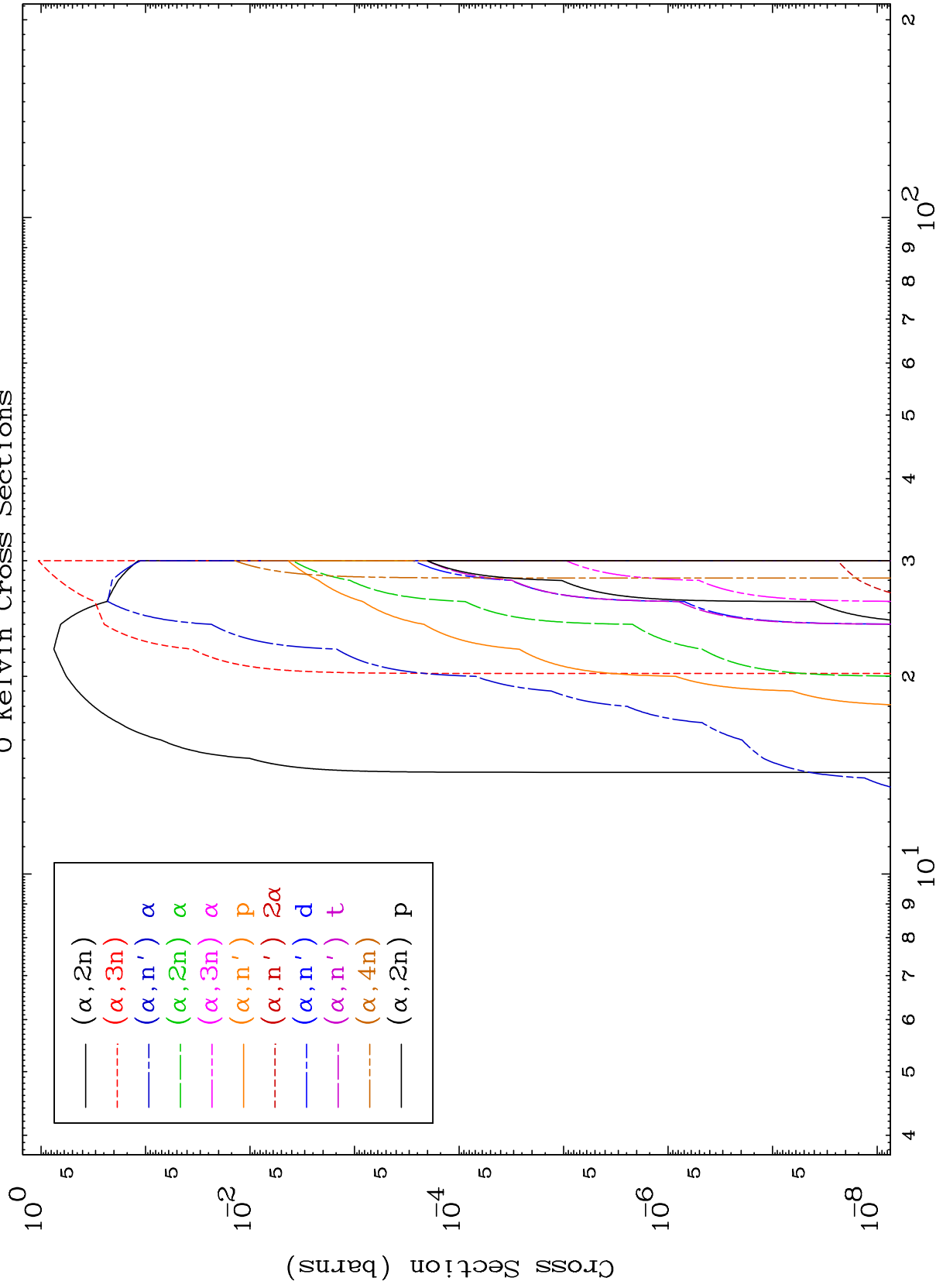
Incident Energy (MeV)

58-Ce-143

MAT 5846

α Neutron Production
0 Kelvin Cross Sections

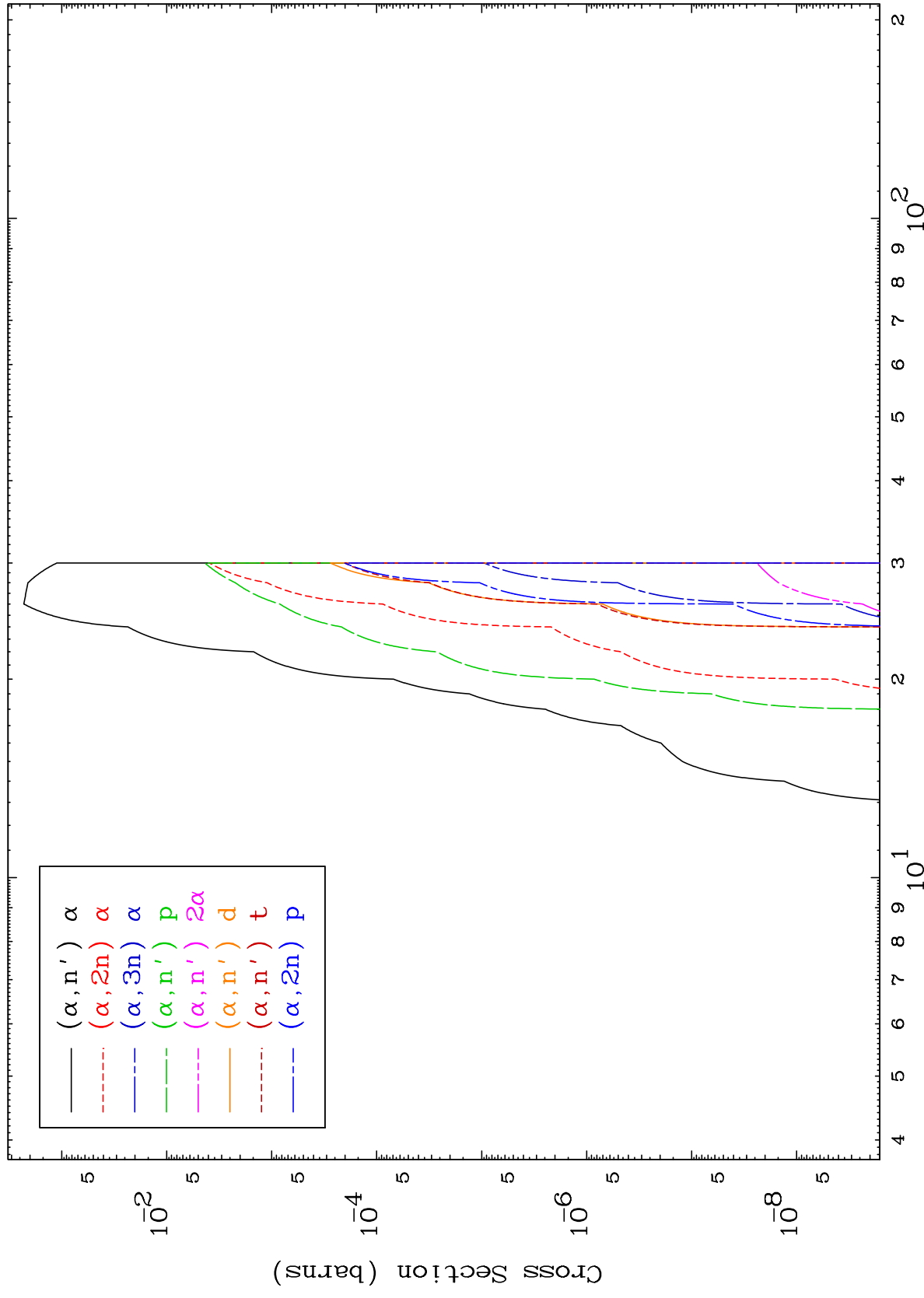
58-Ce-143



2

Incident Energy (MeV)

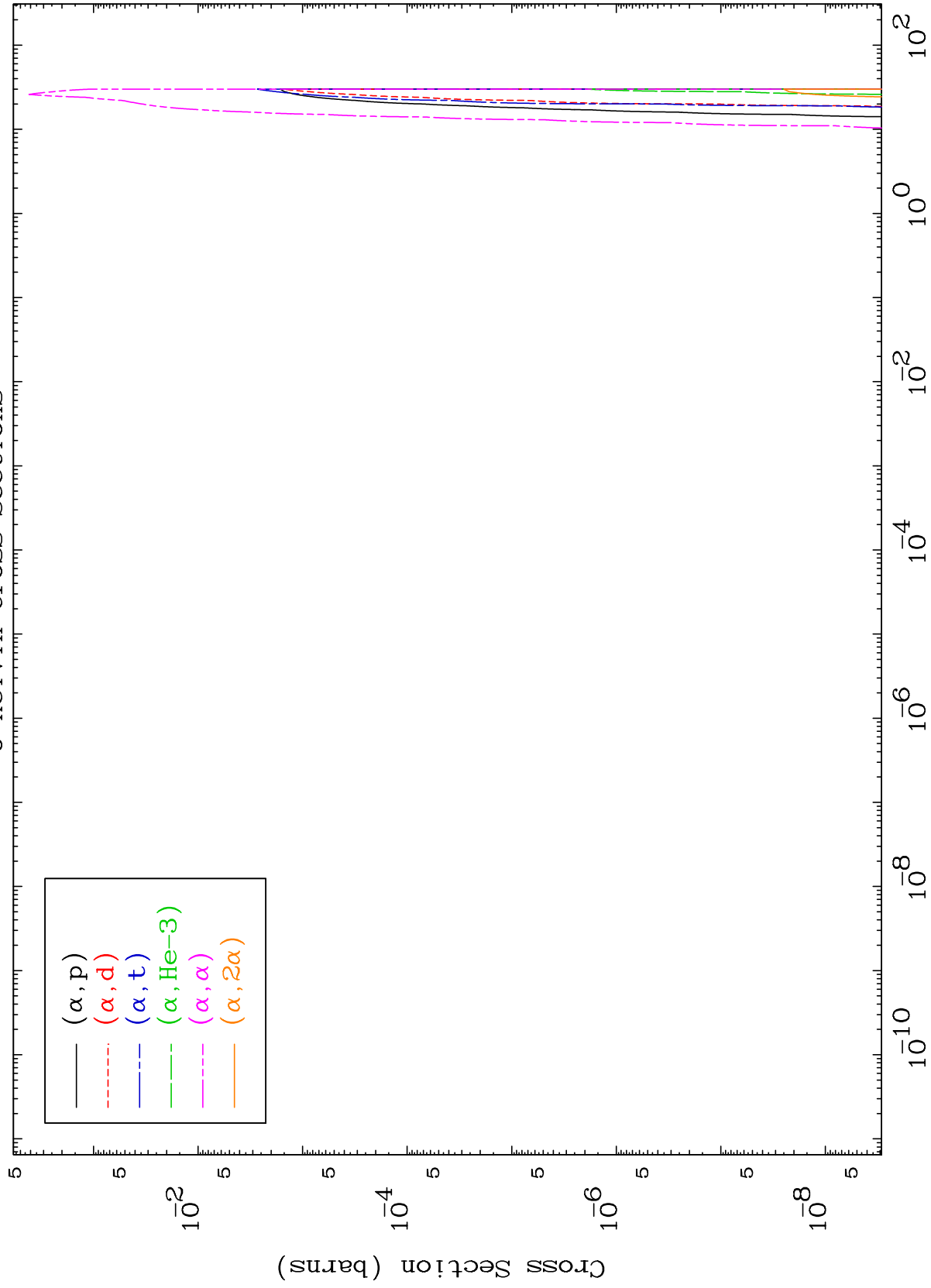
58-Ce-143



MAT 5846

α Charged Particle
0 Kelvin Cross Sections

58-Ce-143

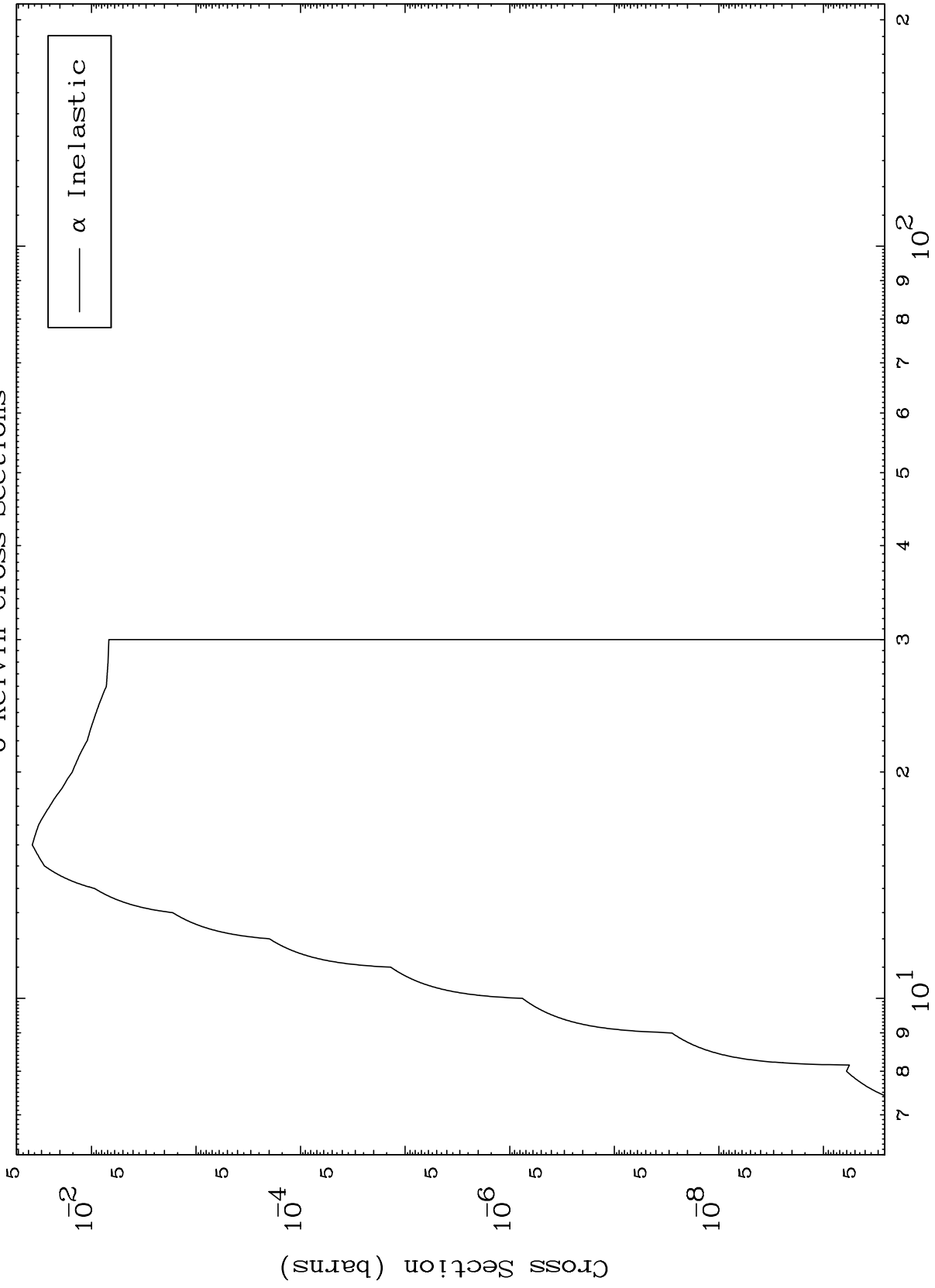


58-Ce-143

MAT 5846

(α, n') Level
0 Kelvin Cross Sections

58-Ce-143



5

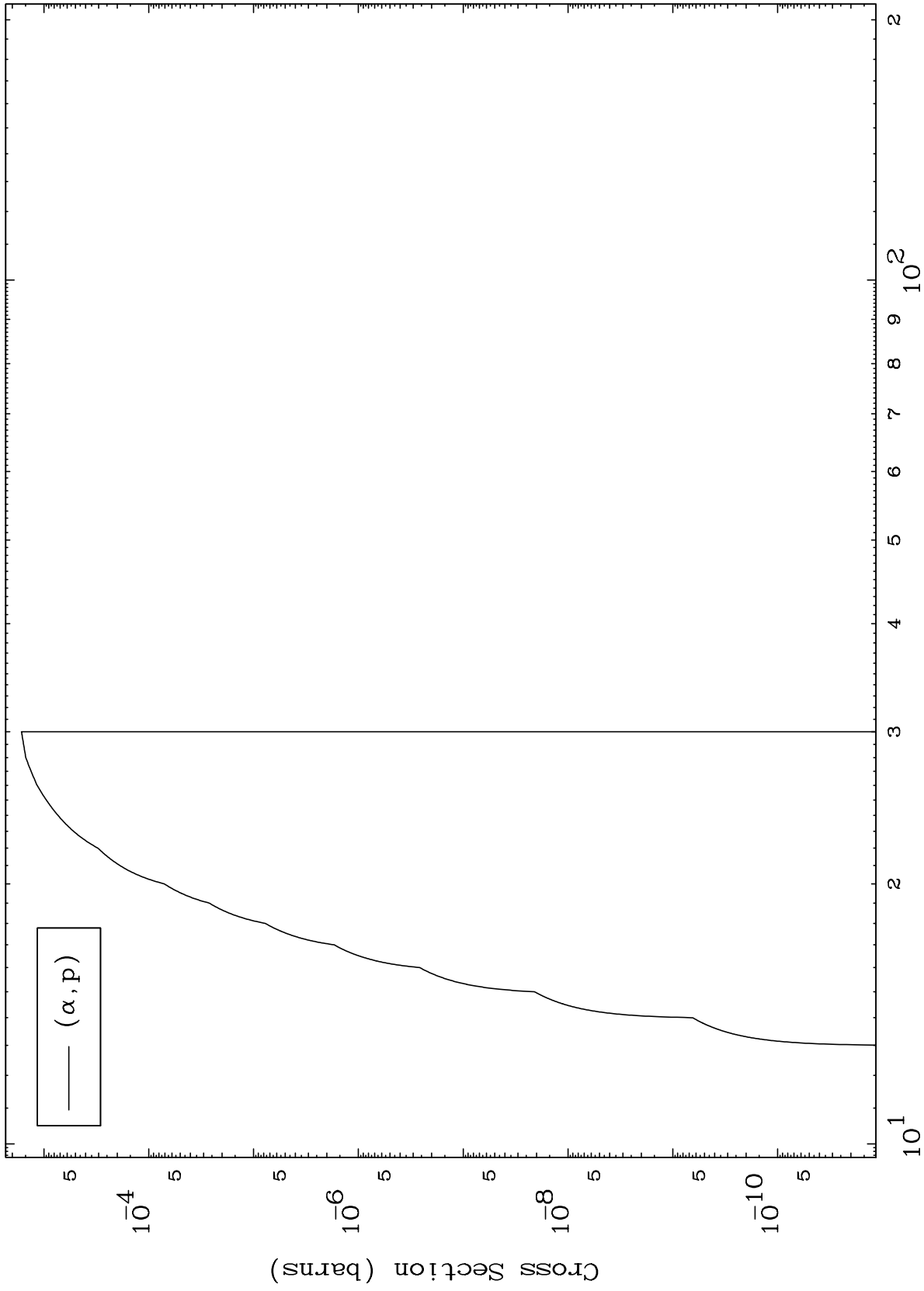
Incident Energy (MeV)

58-Ce-143

MAT 5846

(α, p) Levels
0 Kelvin Cross Sections

58-Ce-143



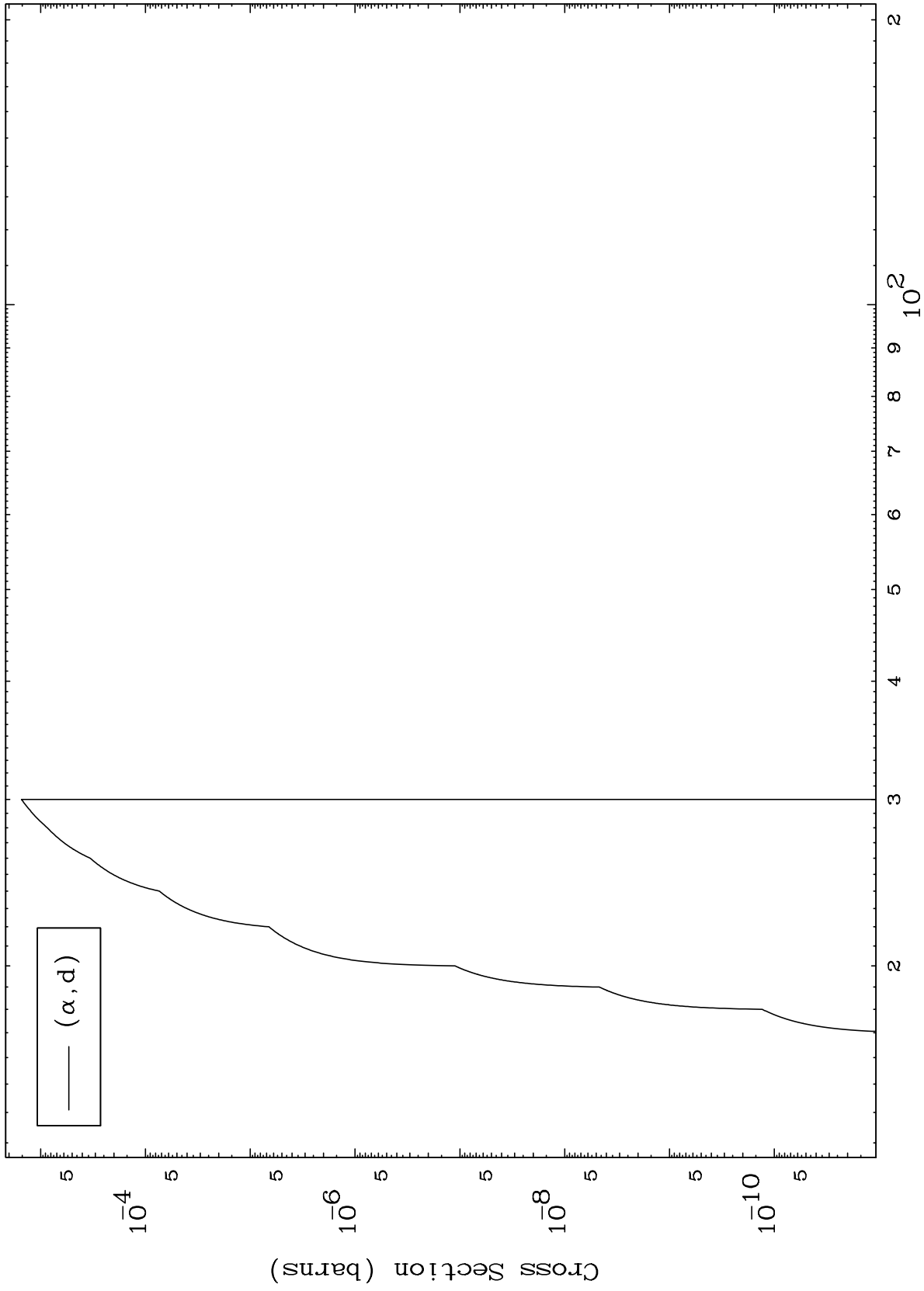
Incident Energy (MeV)

58-Ce-143

MAT 5846

(α, d) Levels
0 Kelvin Cross Sections

58-Ce-143



7

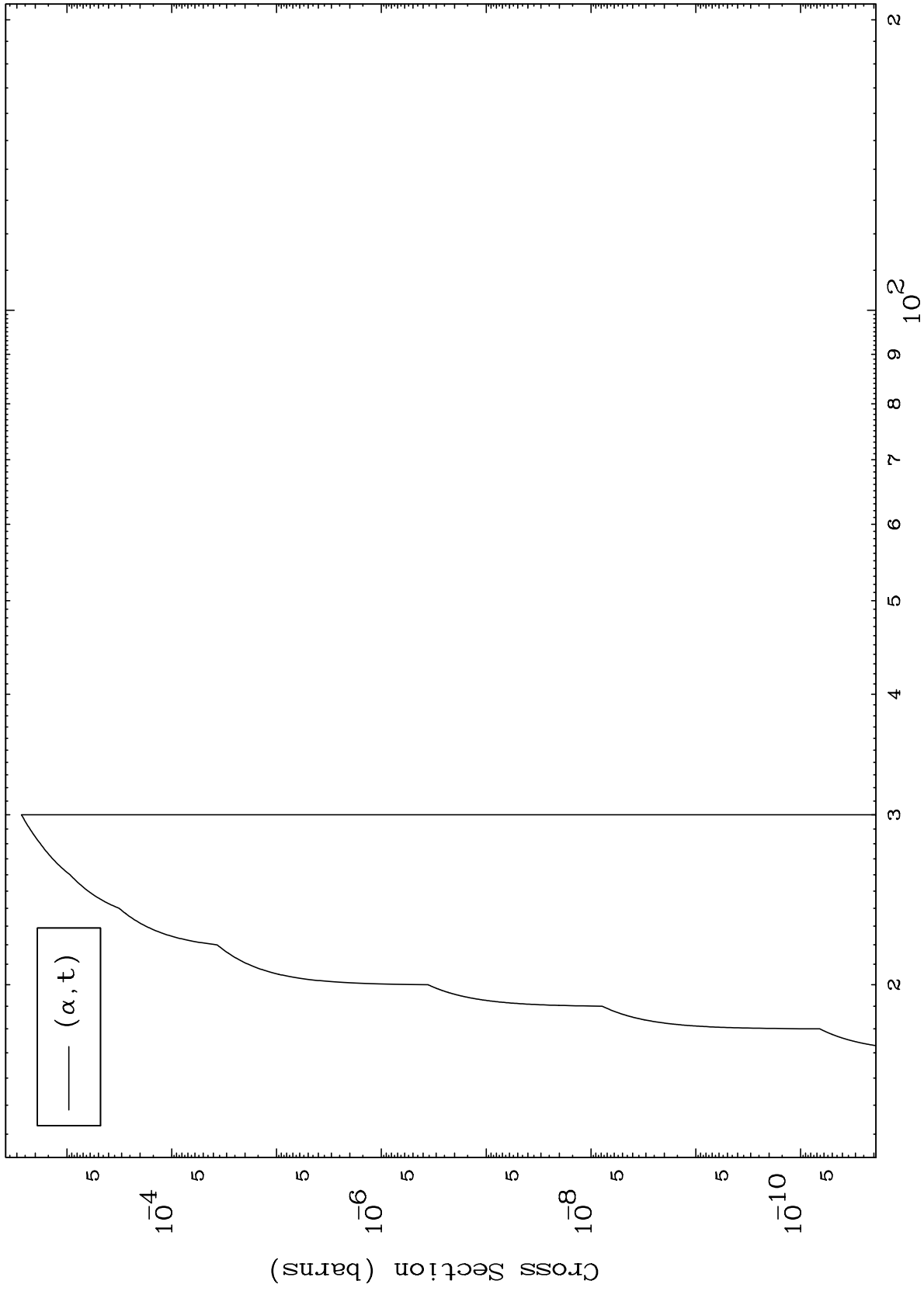
Incident Energy (MeV)

58-Ce-143

MAT 5846

(α, t) Levels
0 Kelvin Cross Sections

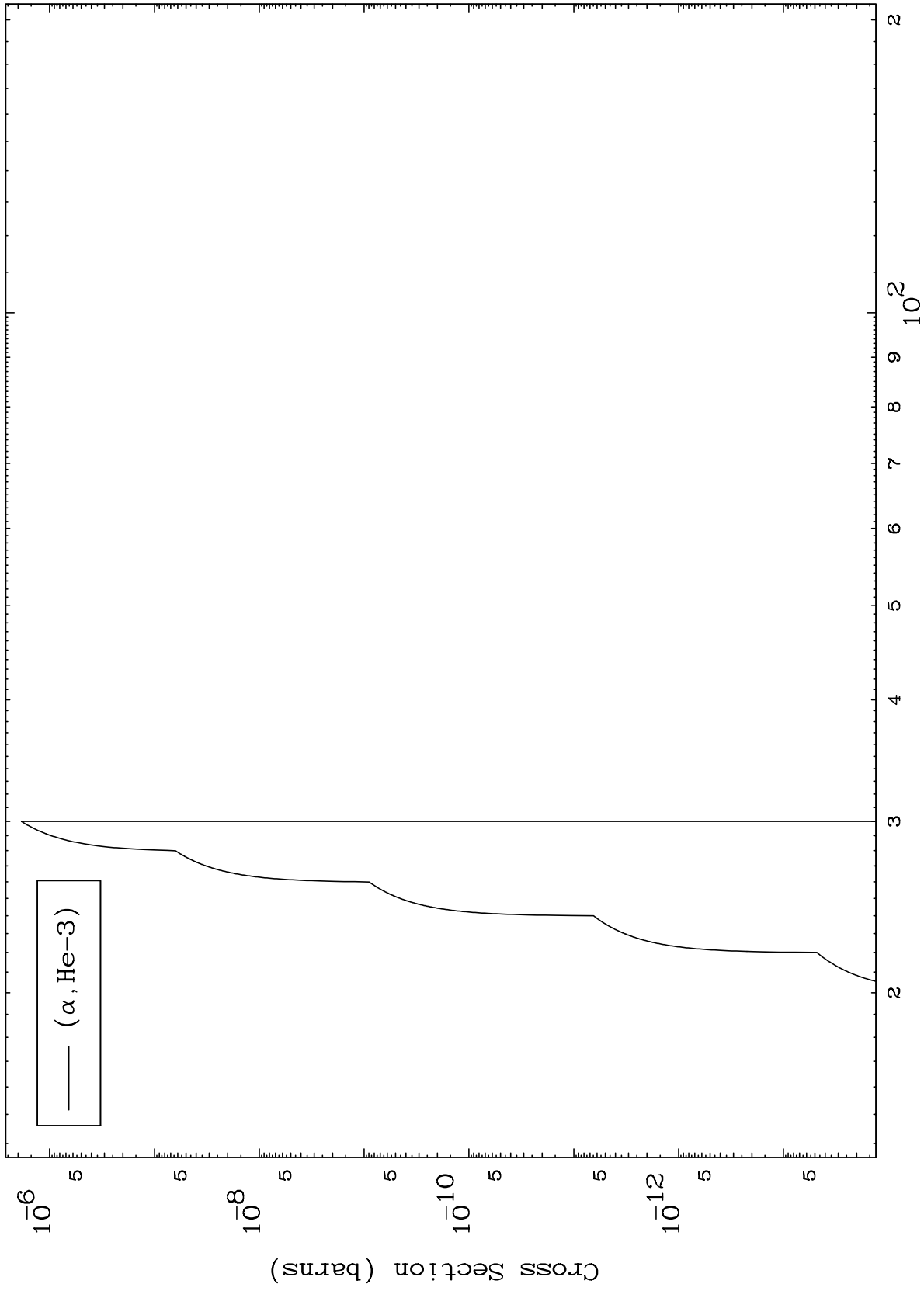
58-Ce-143



8

Incident Energy (MeV)

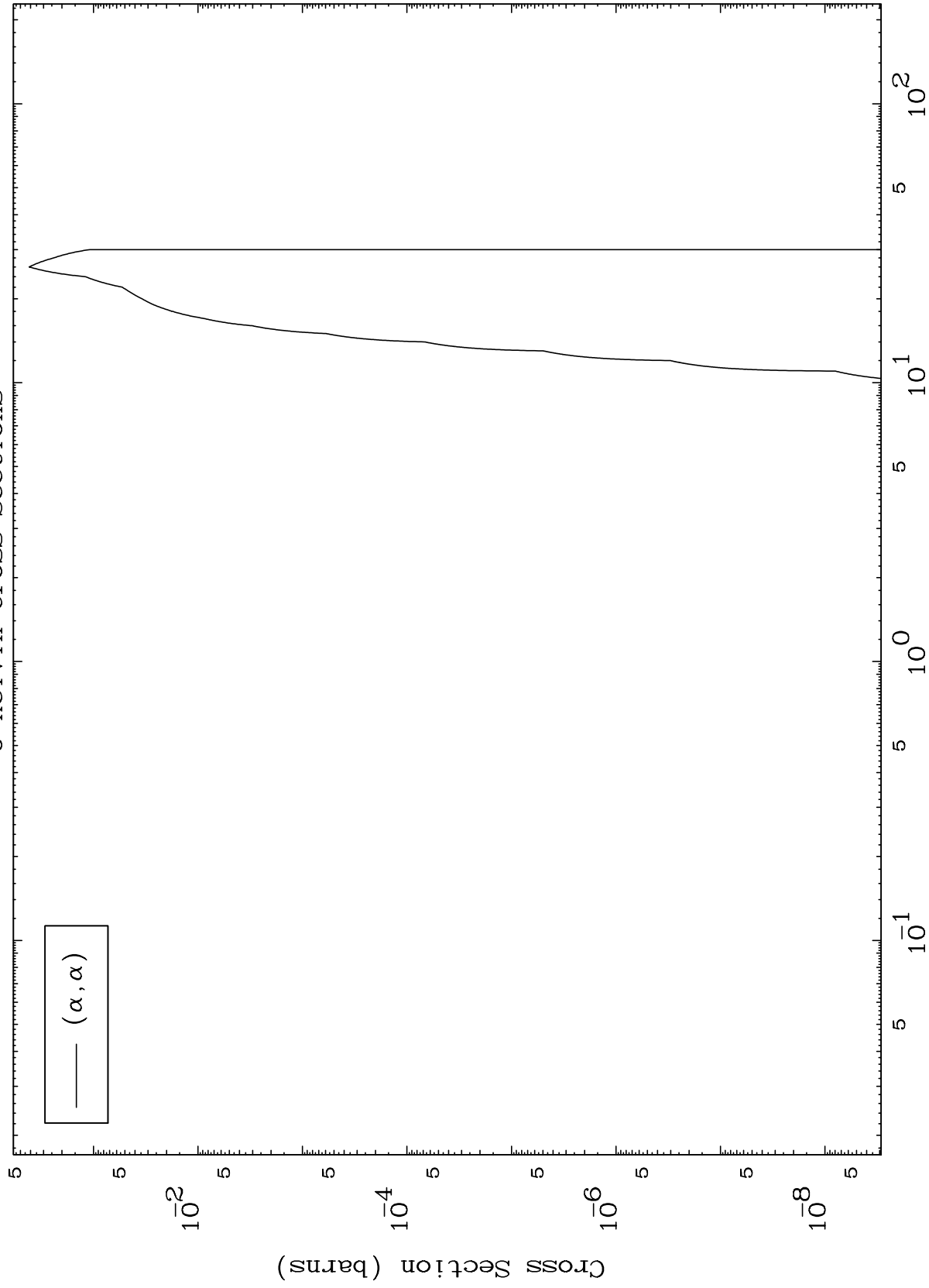
58-Ce-143



MAT 5846

(α, α) Levels
0 Kelvin Cross Sections

58-Ce-143



10

Incident Energy (MeV)

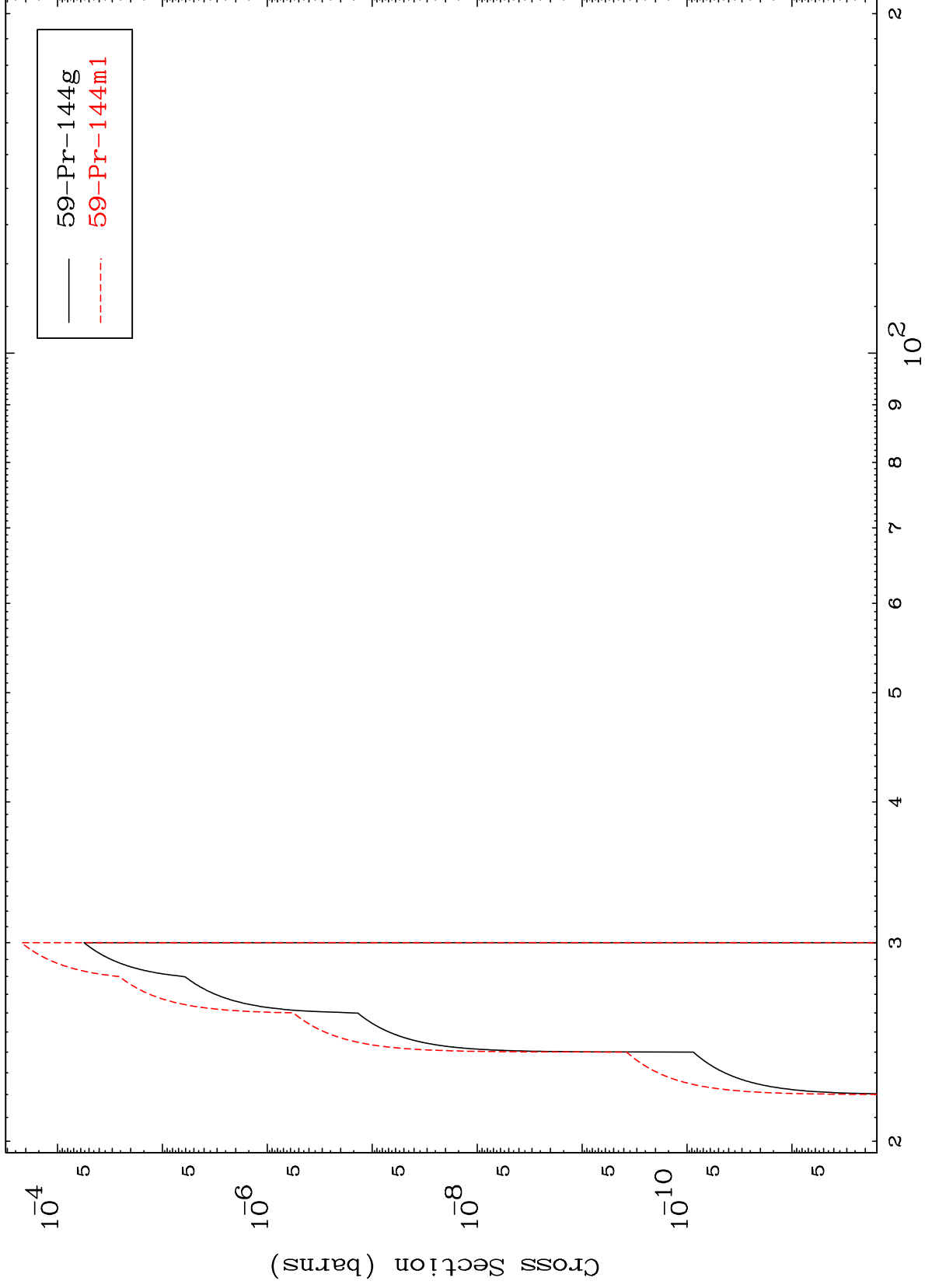
58-Ce-143

MAT 5846

(α, n') d

58-Ce-143

Radionuclide Production Cross Section



11

Incident Energy (MeV)

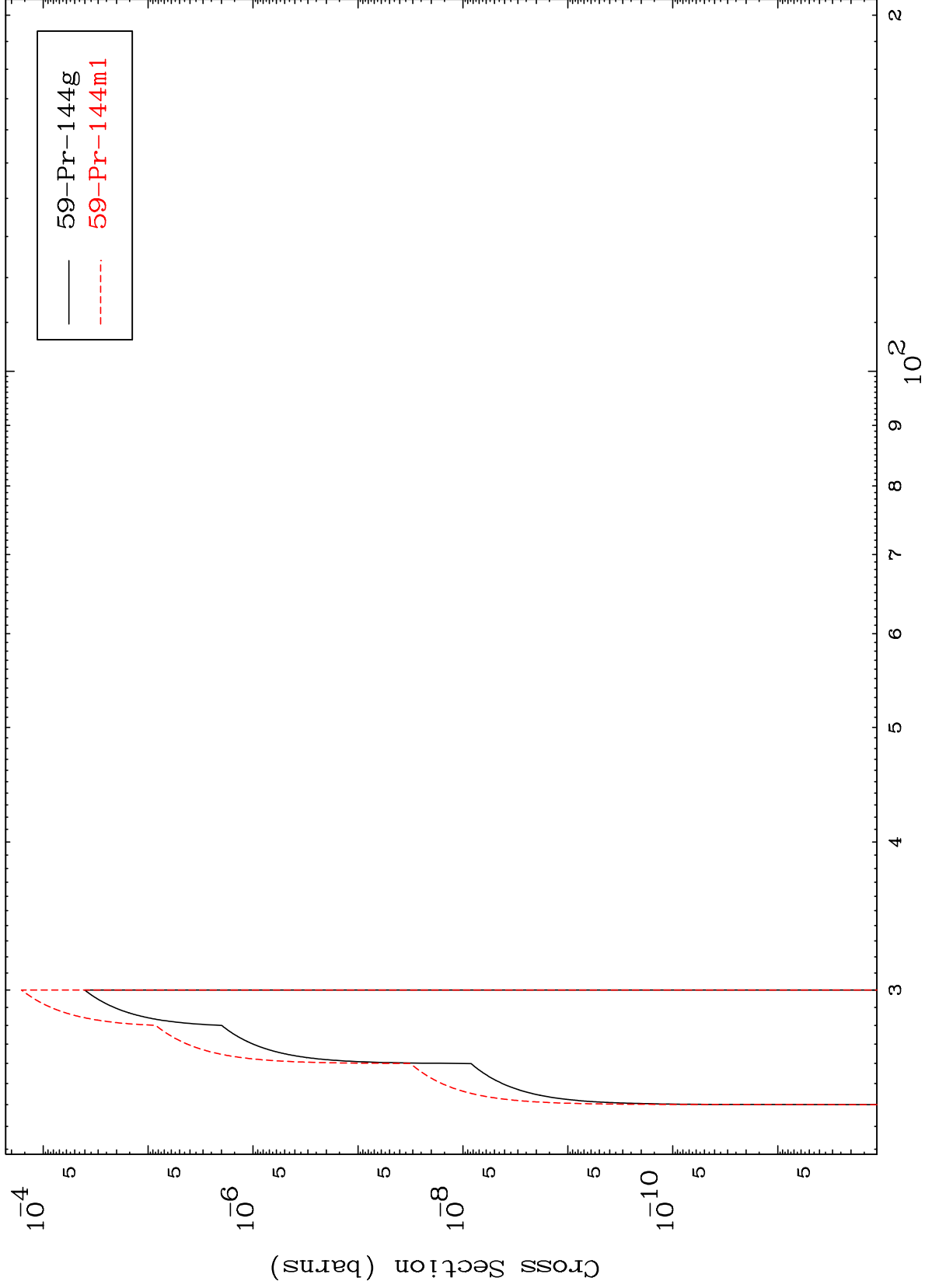
58-Ce-143

MAT 5846

($\alpha, 2n$) p

58-Ce-143

Radionuclide Production Cross Section



12

Incident Energy (MeV)

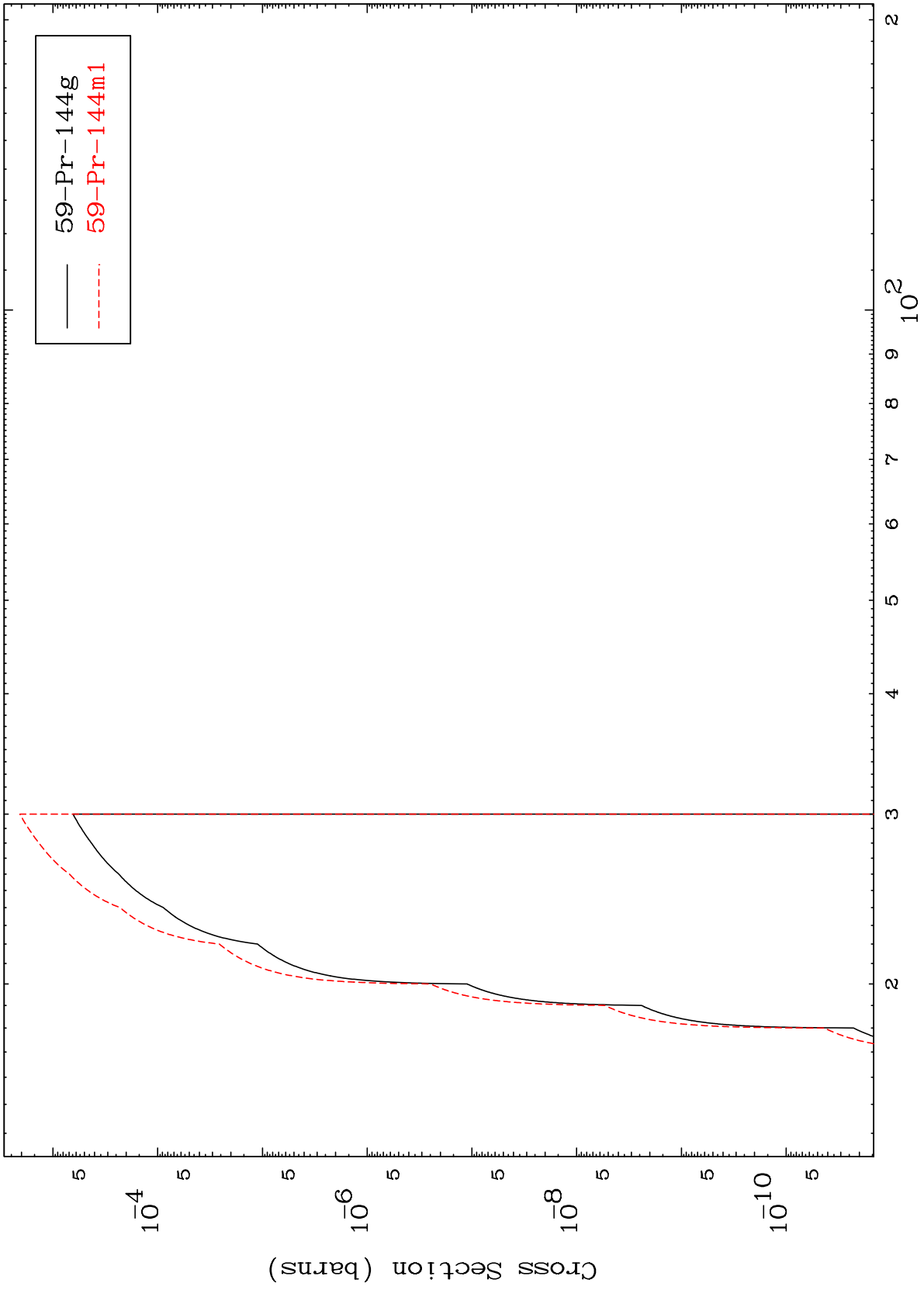
58-Ce-143

MAT 5846

(α, t)

58-Ce-143

Radionuclide Production Cross Section



13

Incident Energy (MeV)

58-Ce-143