

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

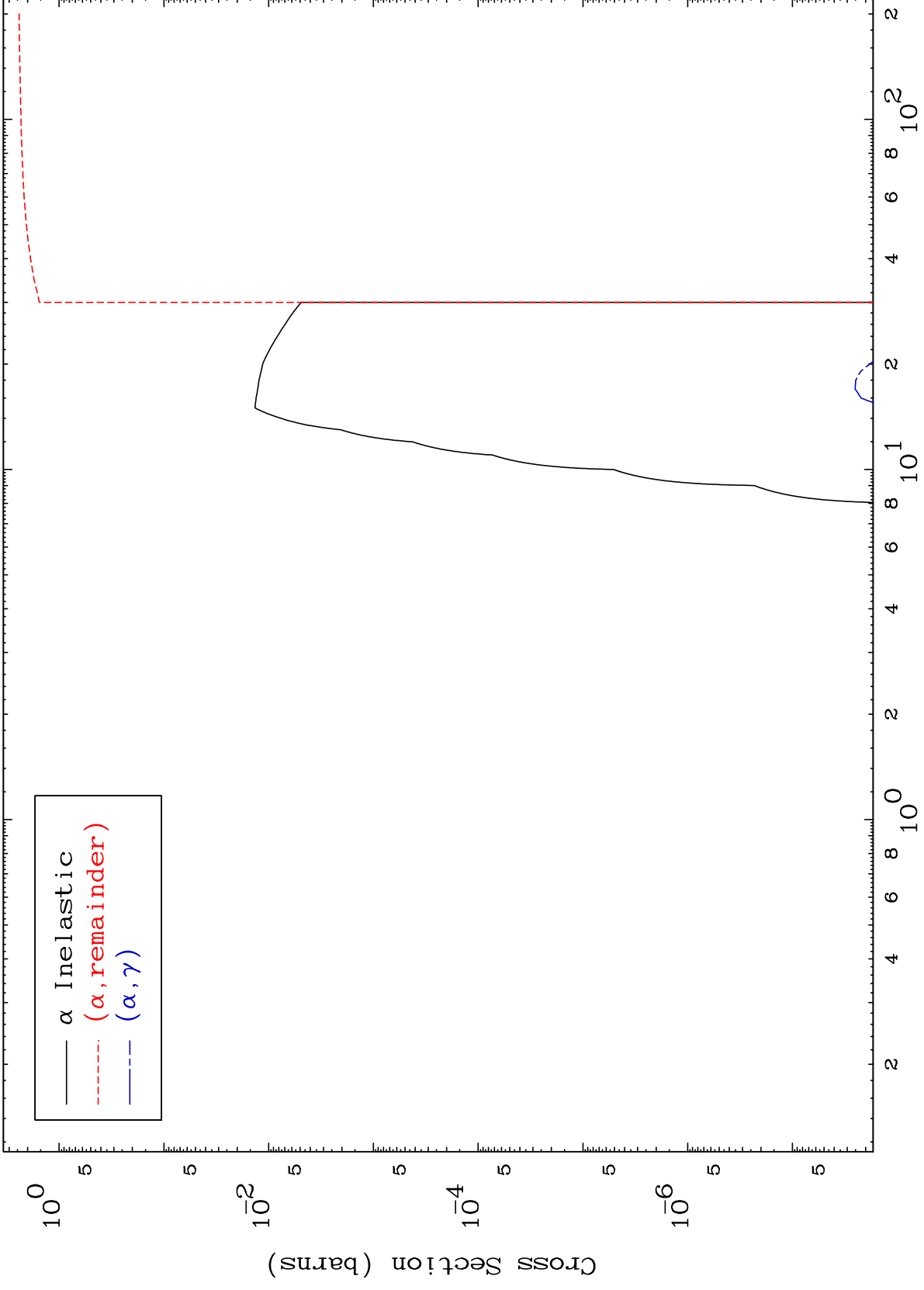
Press Mouse Button to Start

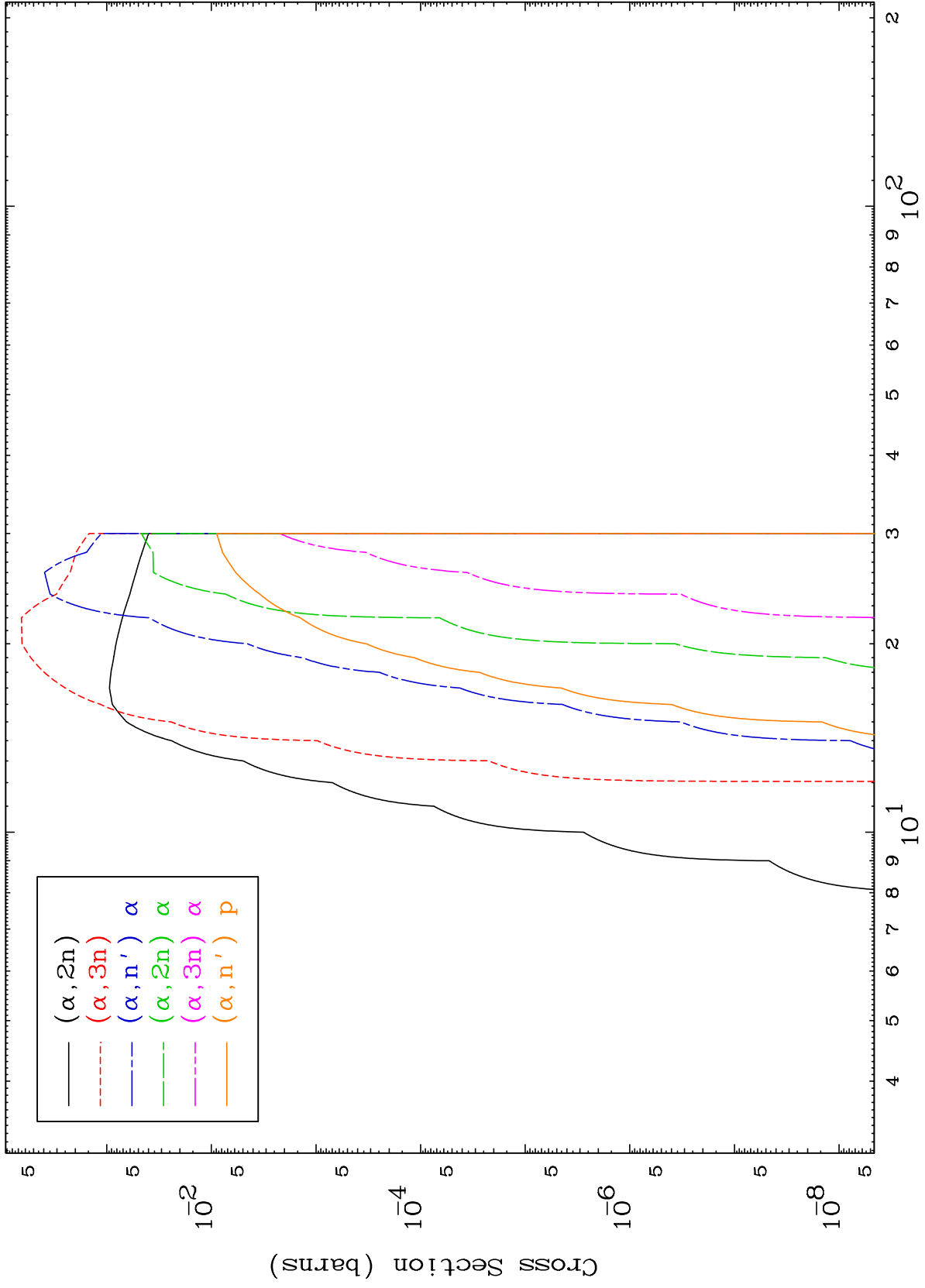
MAT 5559

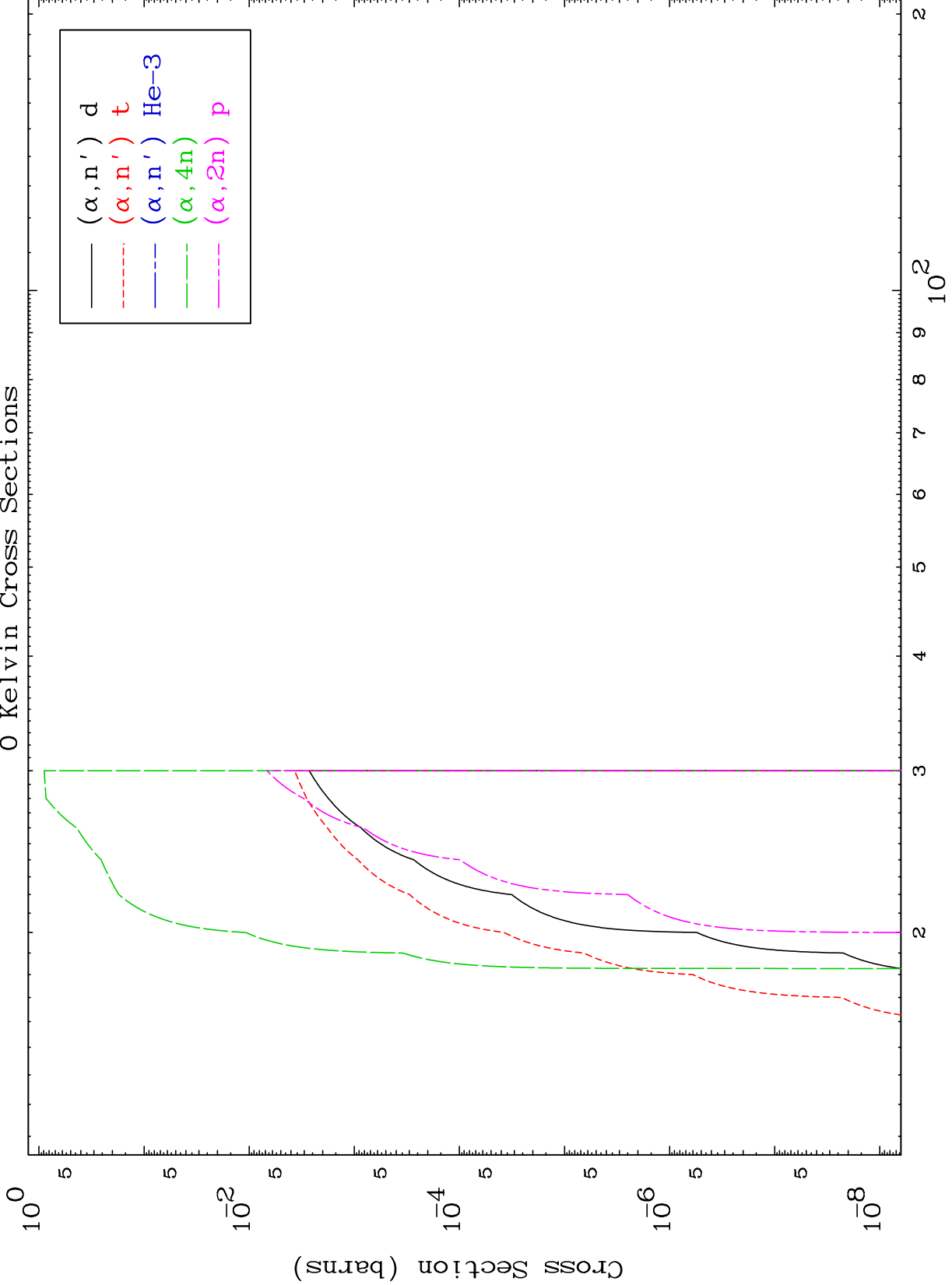
α Major

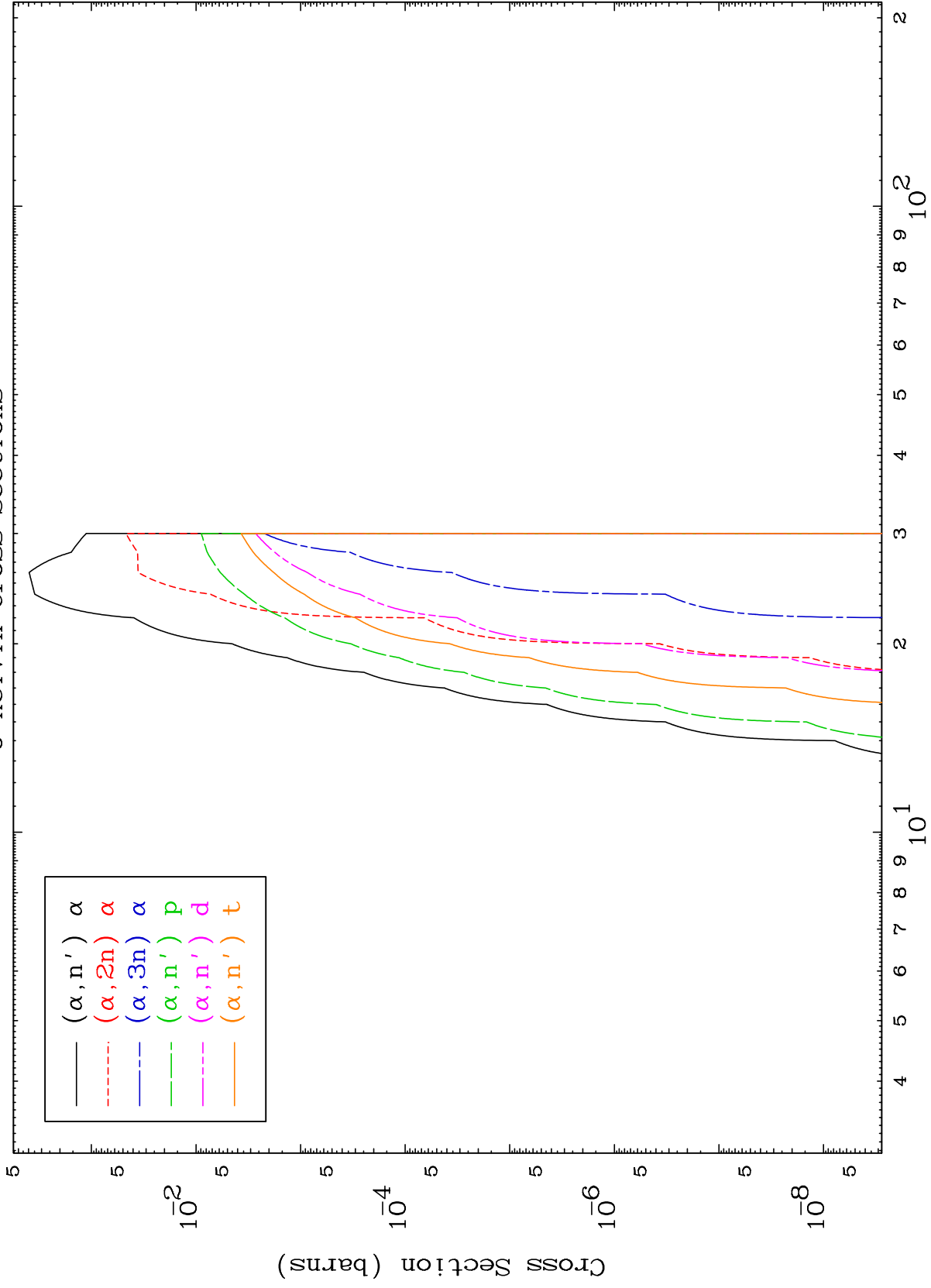
55-Cs-144

0 Kelvin Cross Sections





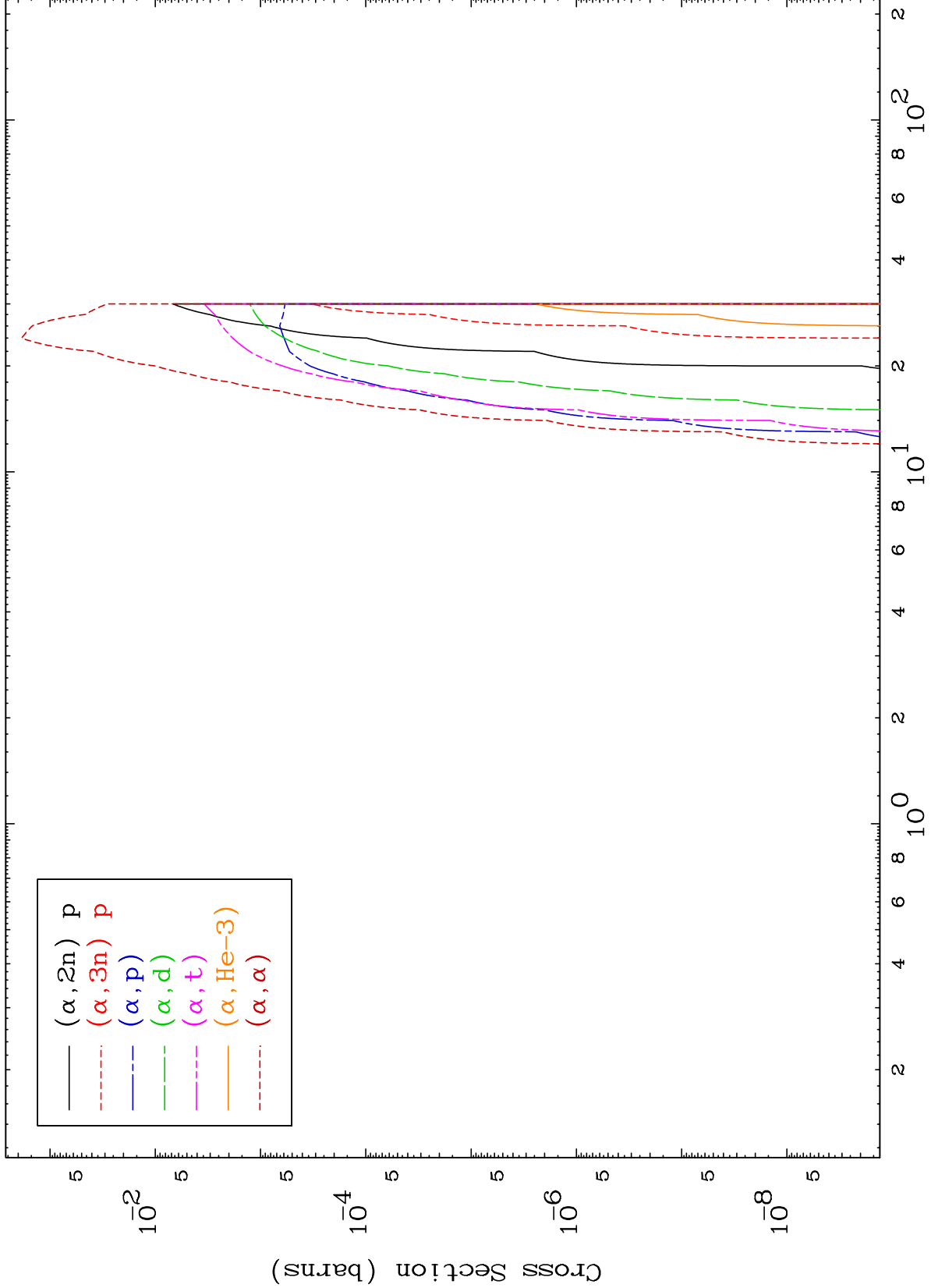




MAT 5559

α Charged Particle
0 Kelvin Cross Sections

55-Cs-144



5

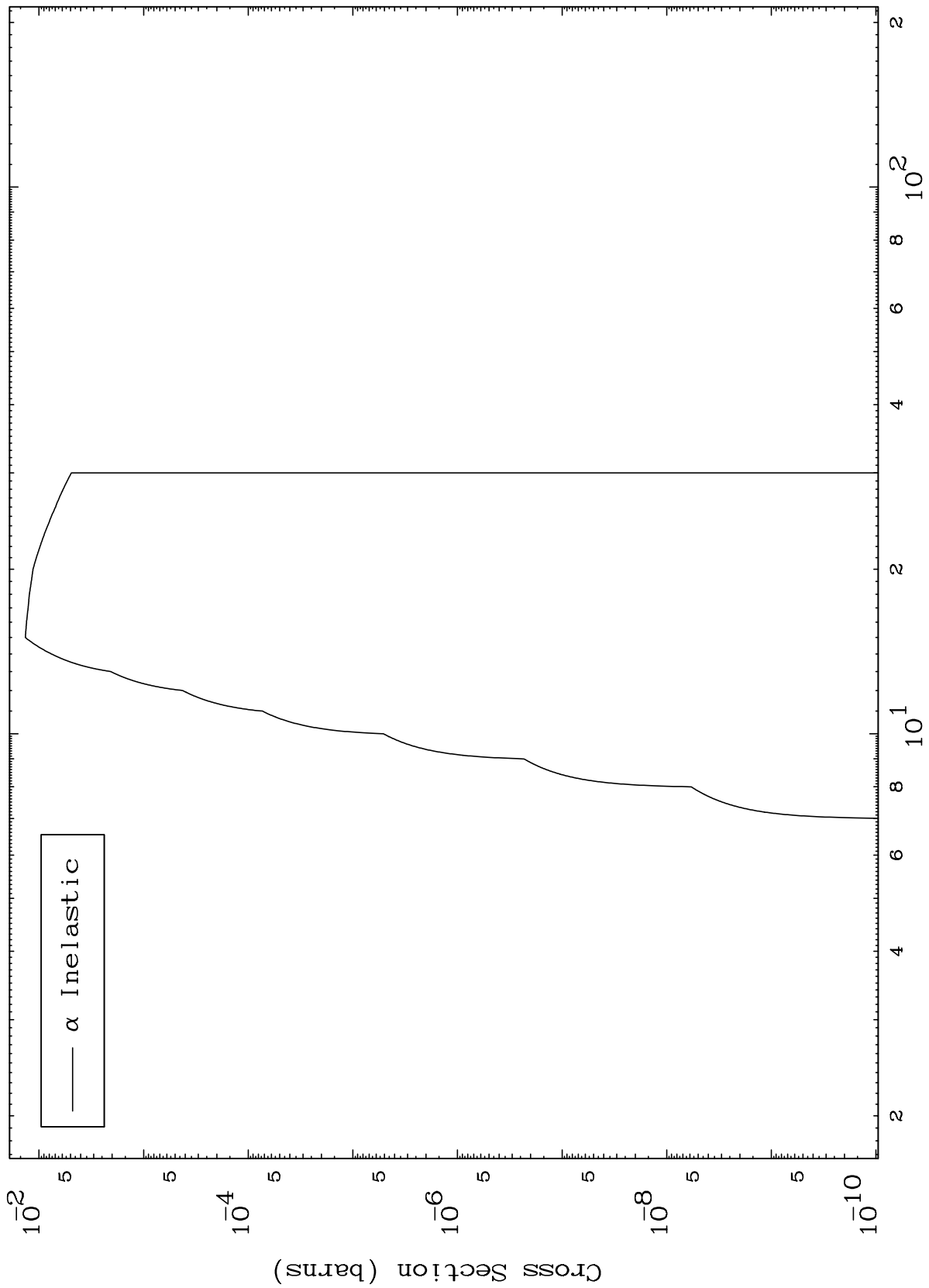
Incident Energy (MeV)

55-Cs-144

MAT 5559

55-Cs-144

(α, n') Level
0 Kelvin Cross Sections



55-Cs-144

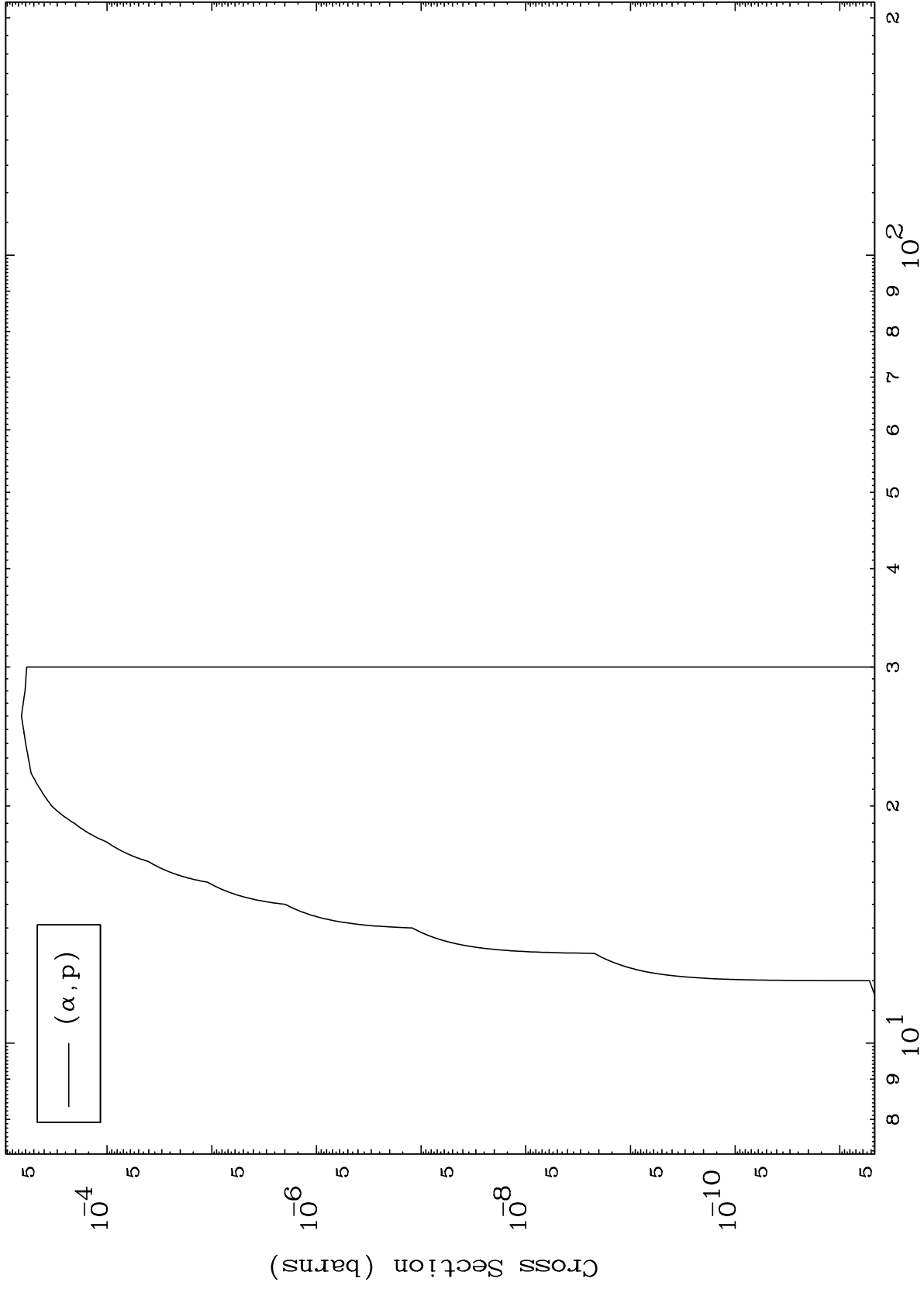
Incident Energy (MeV)

6

MAT 5559

(α, p) Levels
0 Kelvin Cross Sections

55-Cs-144



7

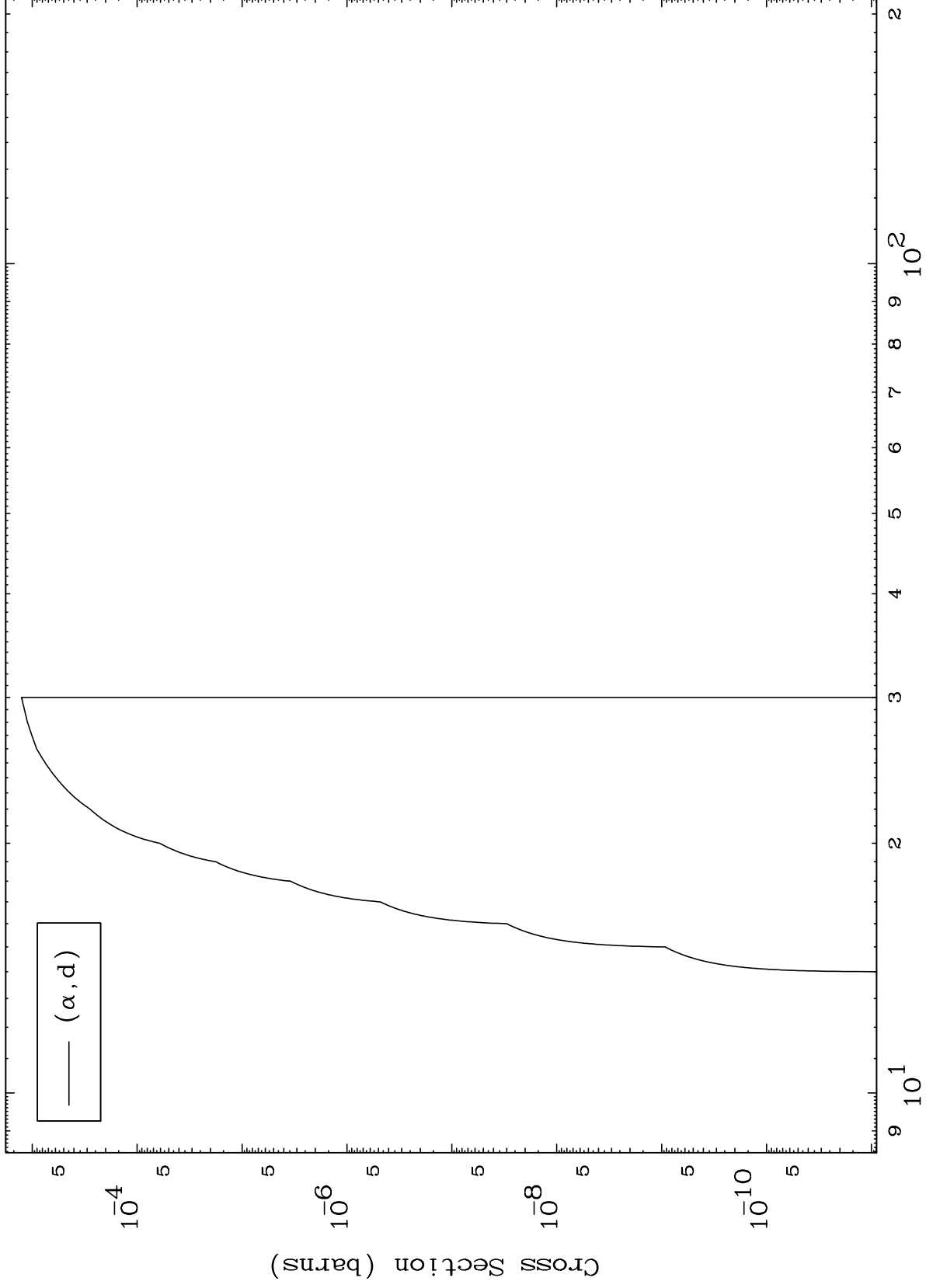
Incident Energy (MeV)

55-Cs-144

MAT 5559

(α, d) Levels
0 Kelvin Cross Sections

55-Cs-144



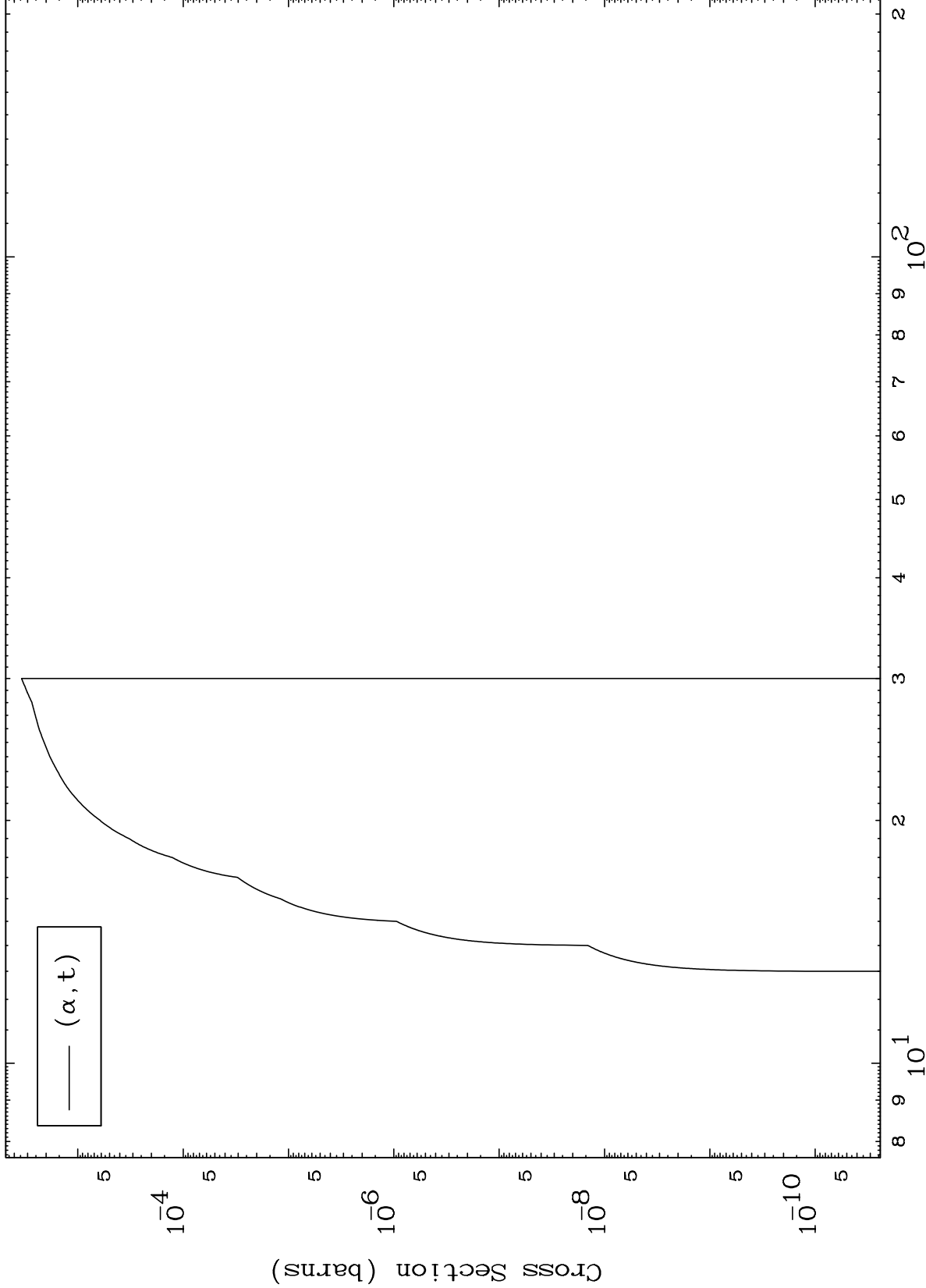
Incident Energy (MeV)

55-Cs-144

MAT 5559

(α, t) Levels
0 Kelvin Cross Sections

55-Cs-144



9

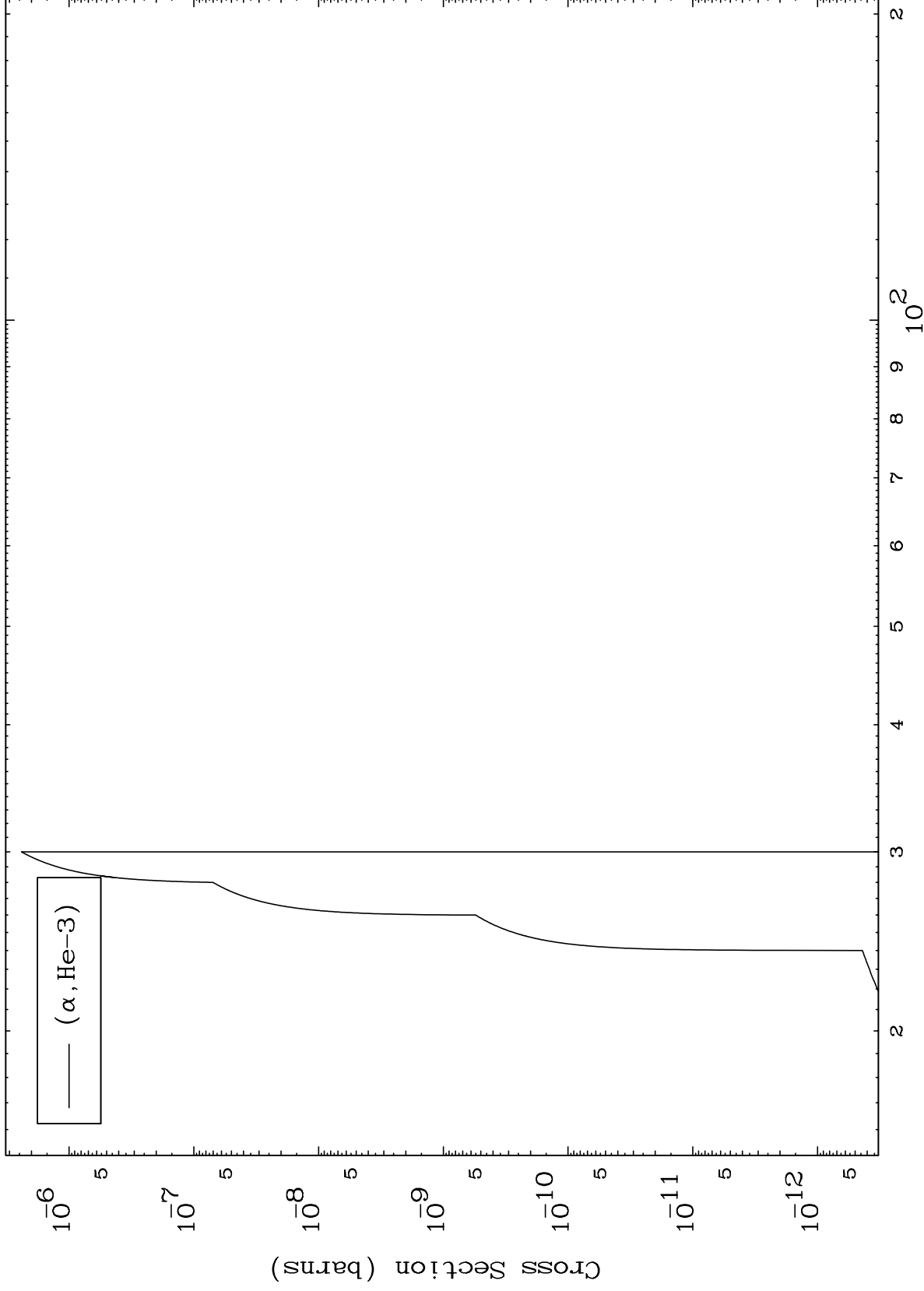
Incident Energy (MeV)

55-Cs-144

MAT 5559

($\alpha, \text{He}3$) Levels
0 Kelvin Cross Sections

55-Cs-144



10

Incident Energy (MeV)

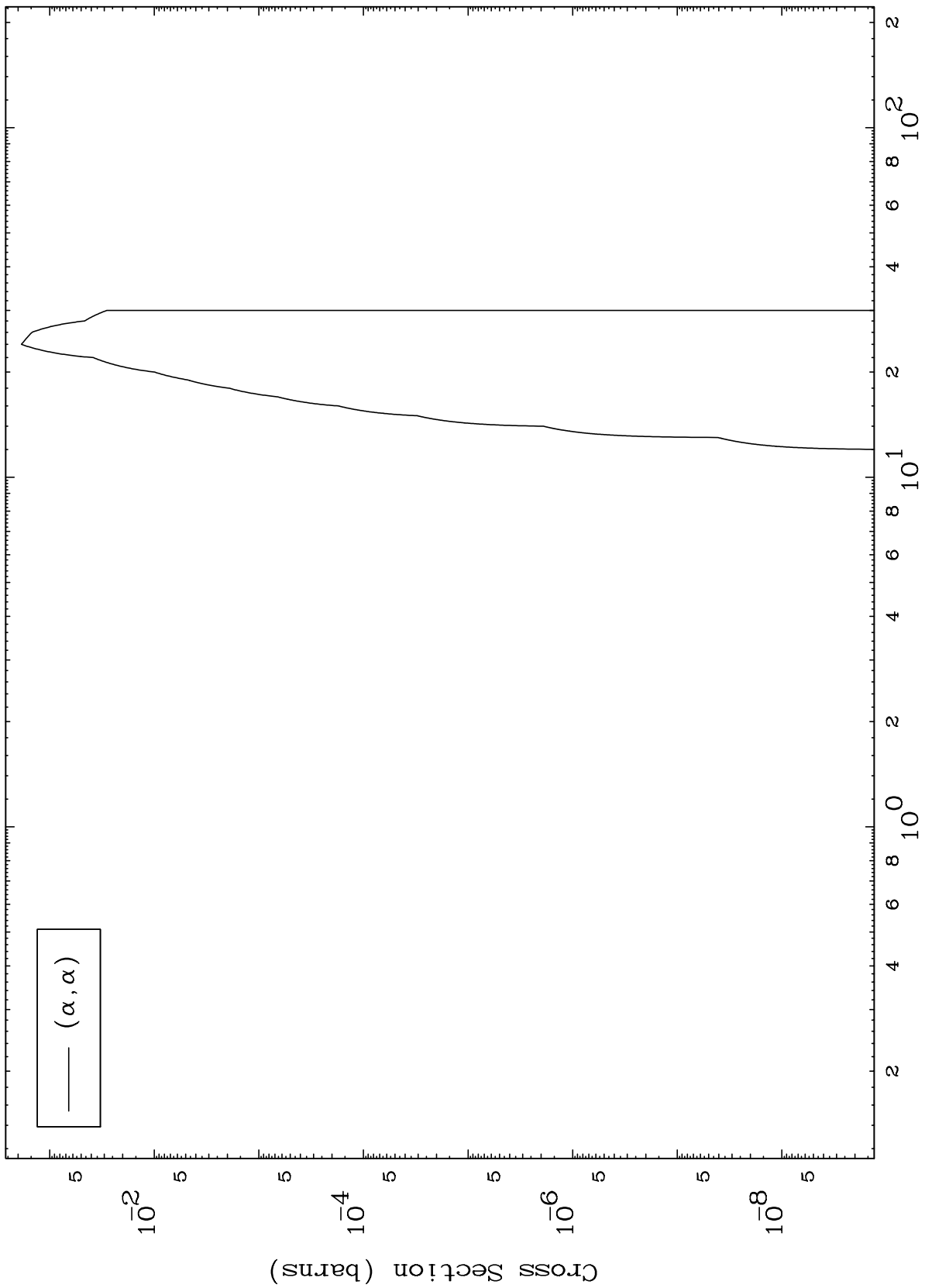
55-Cs-144

MAT 5559

(α, α) Levels

55-Cs-144

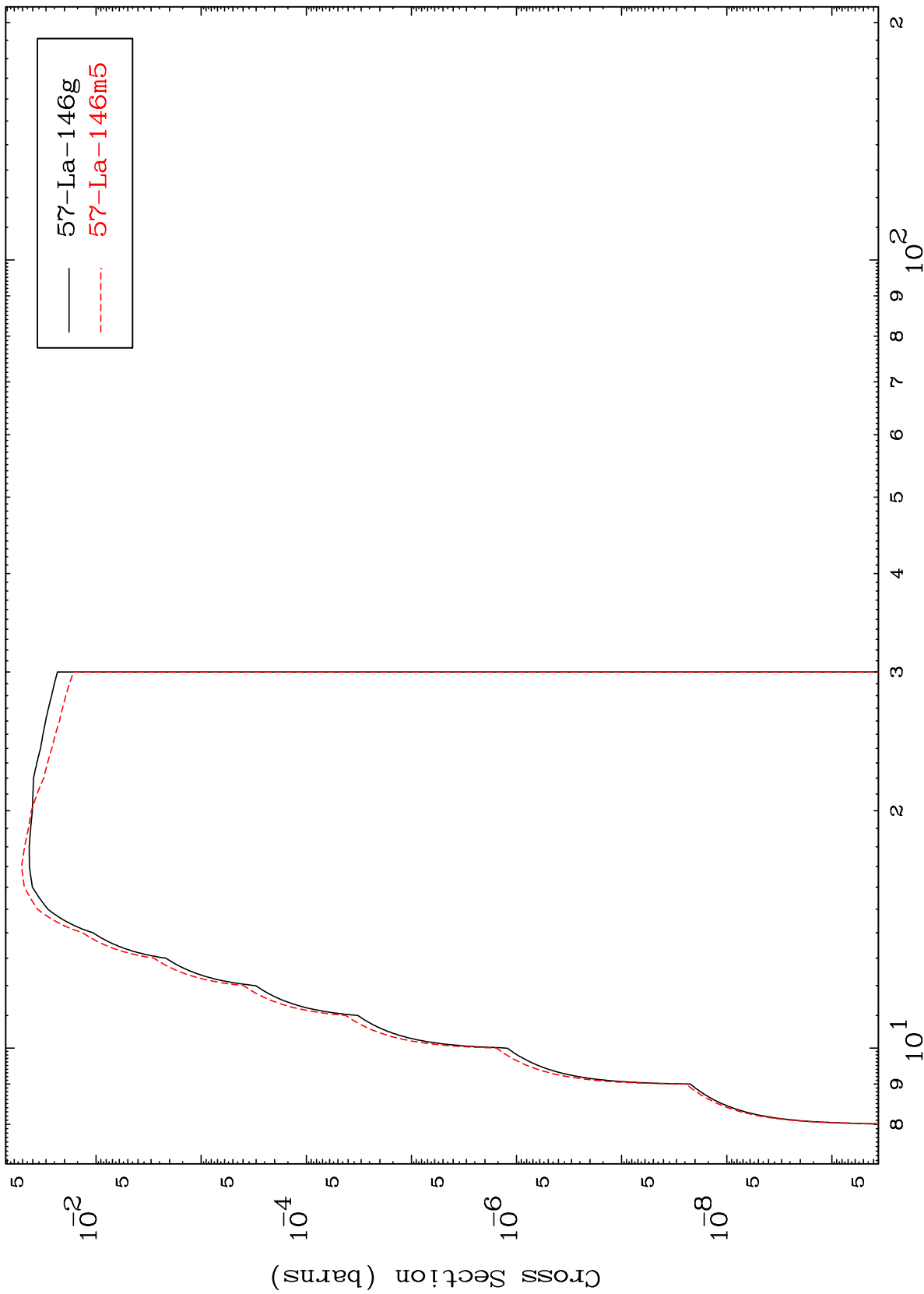
0 Kelvin Cross Sections



MAT 5559

55-Cs-144

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



12

Incident Energy (MeV)

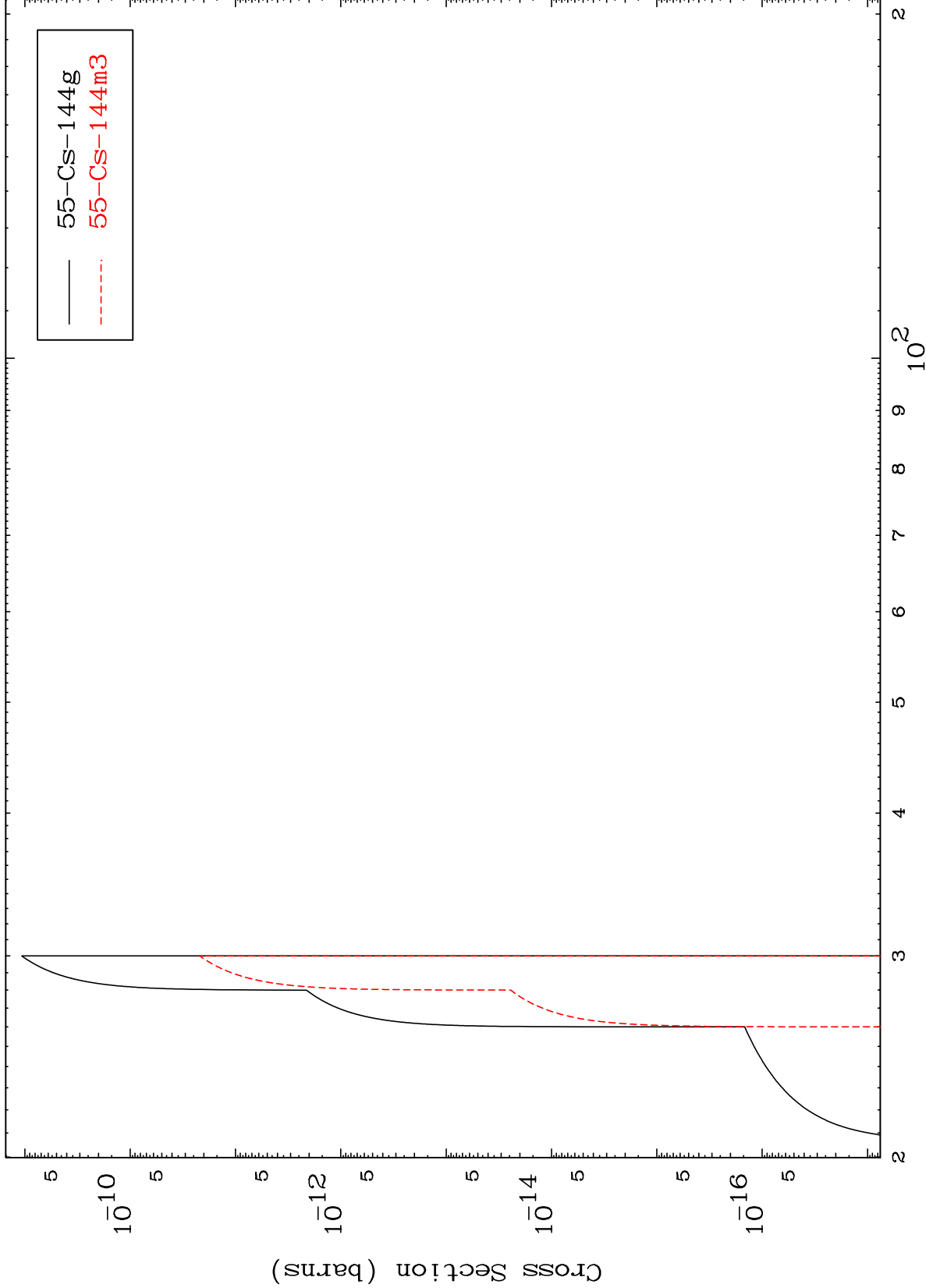
55-Cs-144

MAT 5559

(α, n') He-3

55-Cs-144

Radionuclide Production Cross Section



13

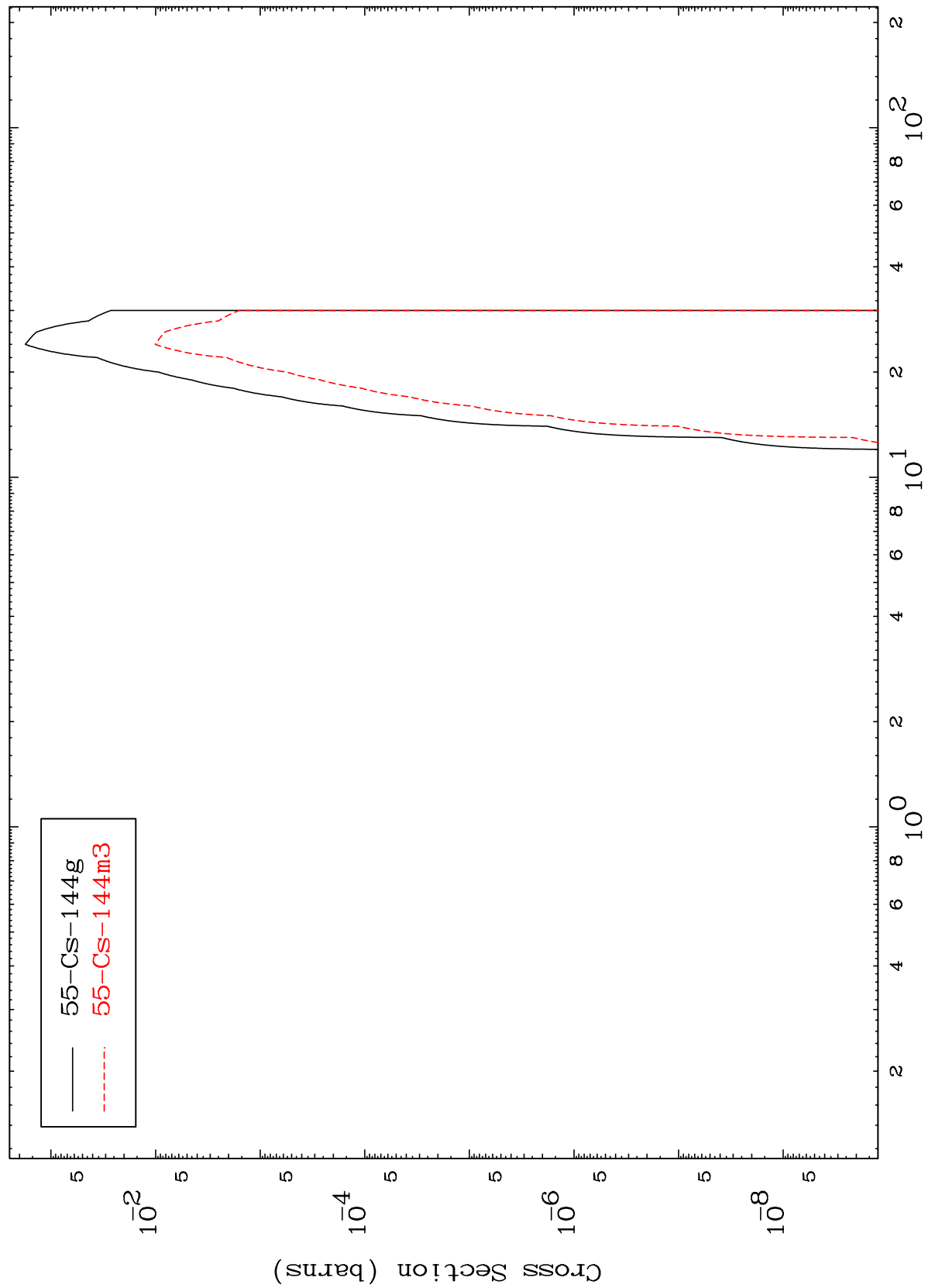
Incident Energy (MeV)

55-Cs-144

MAT 5559

55-Cs-144

Radionuclide Production Cross Section
(α, α)



55-Cs-144g
55-Cs-144m3

55-Cs-144

Incident Energy (MeV)

14