

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

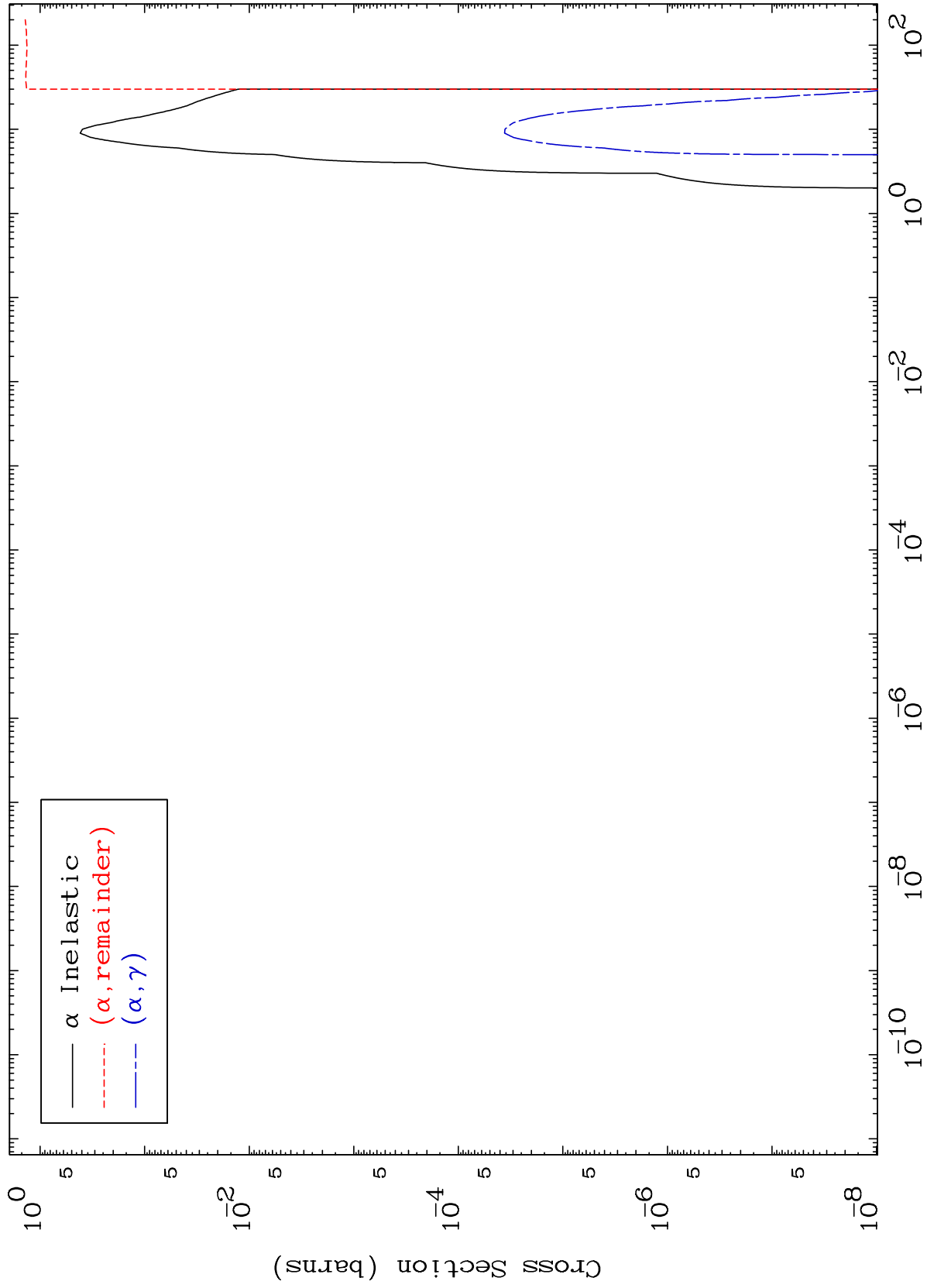
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 1940

0 Kelvin α Major
Cross Sections

19-K -44



1

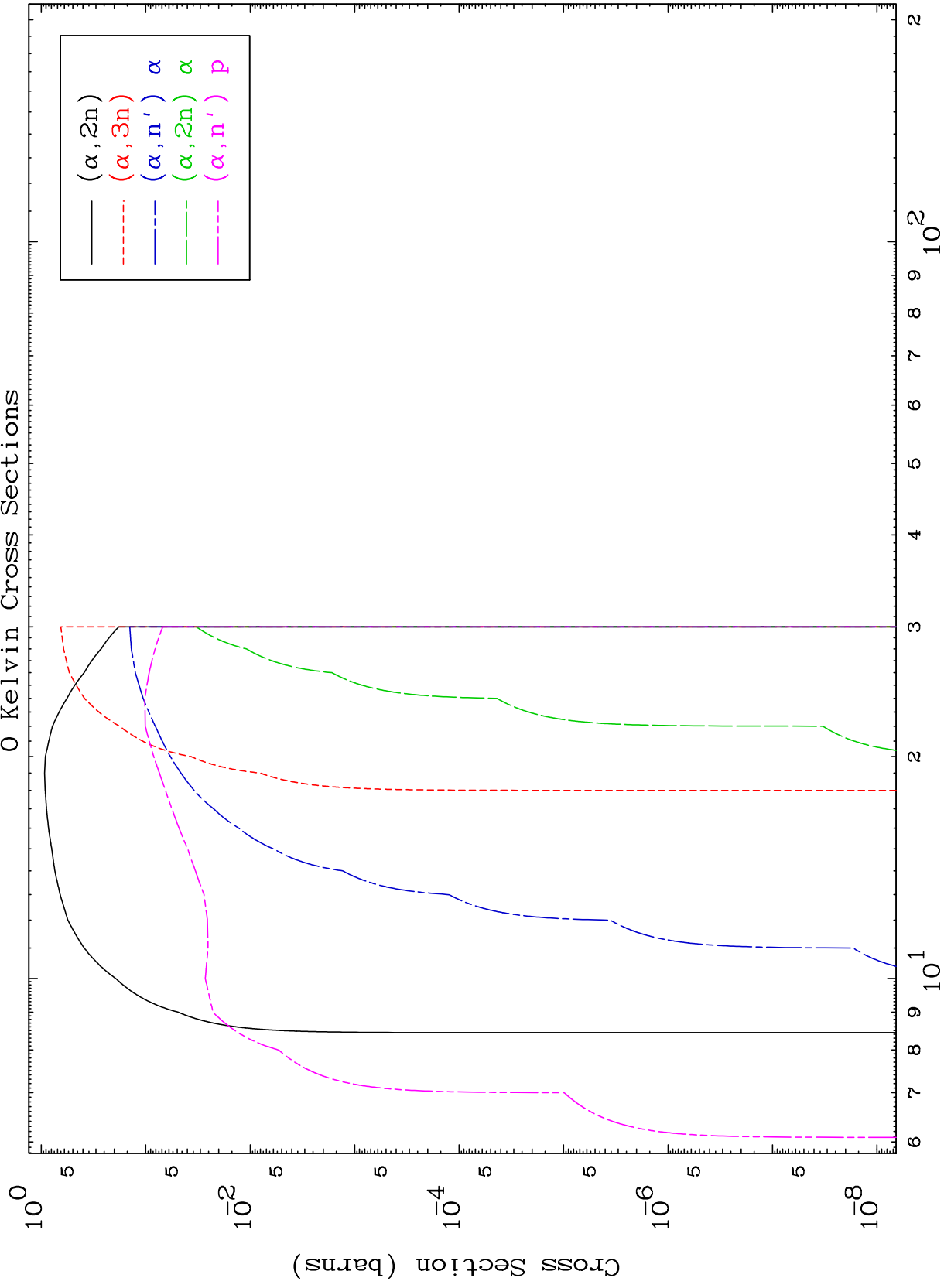
Incident Energy (MeV)

19-K -44

MAT 1940

α Neutron Production
0 Kelvin Cross Sections

19-K -44



2

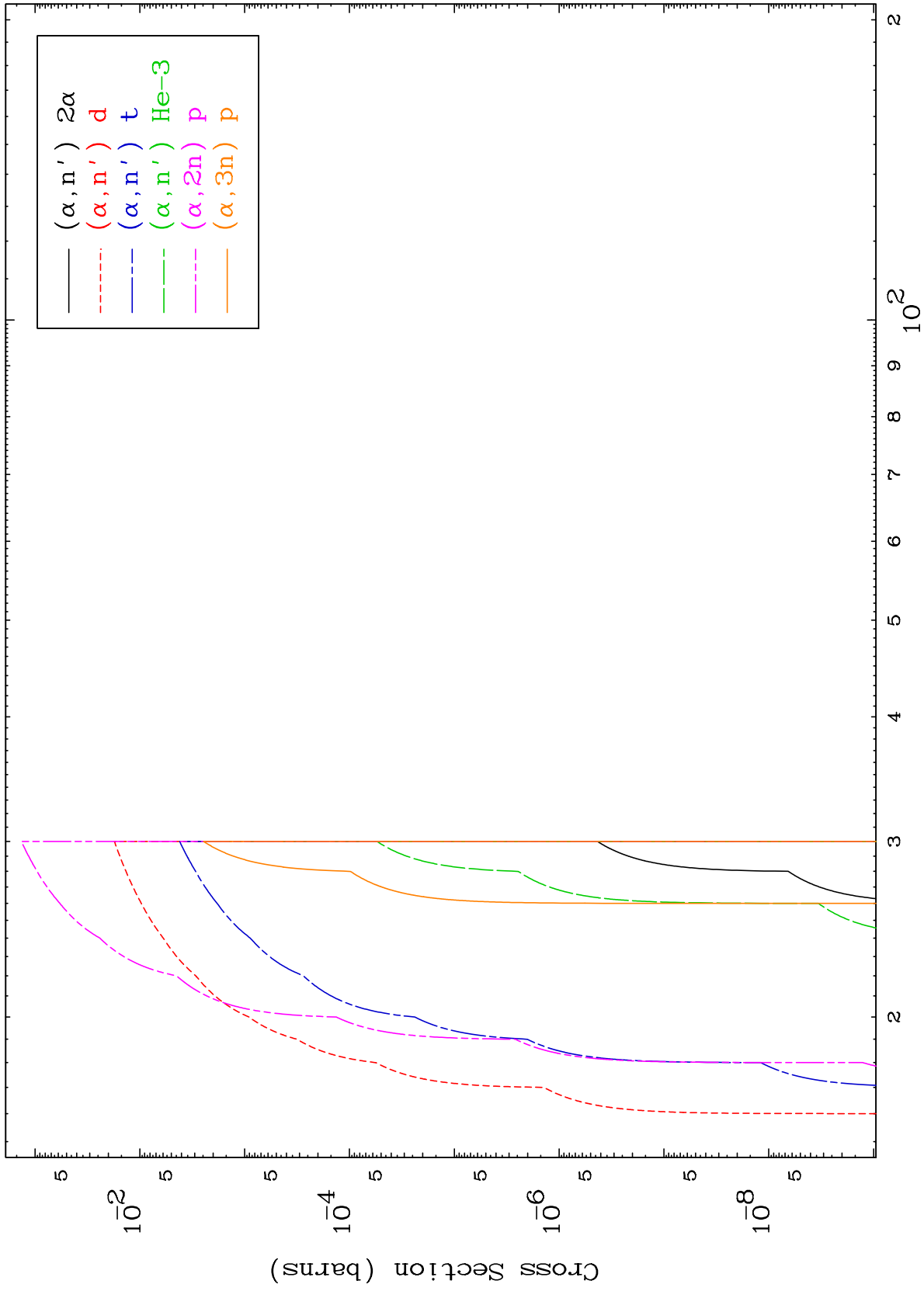
Incident Energy (MeV)

19-K -44

MAT 1940

α Neutron Production
0 Kelvin Cross Sections

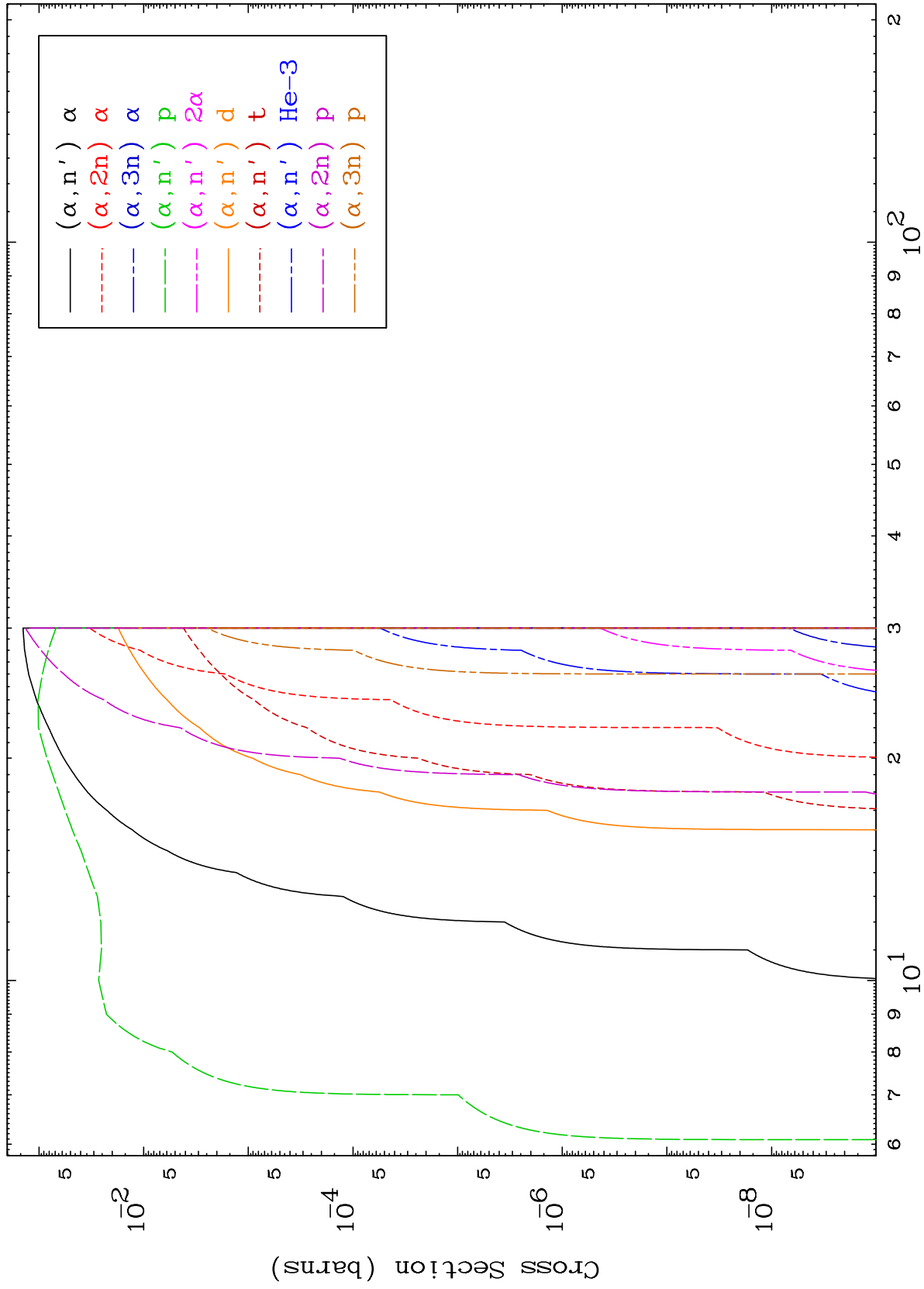
19-K -44



3

Incident Energy (MeV)

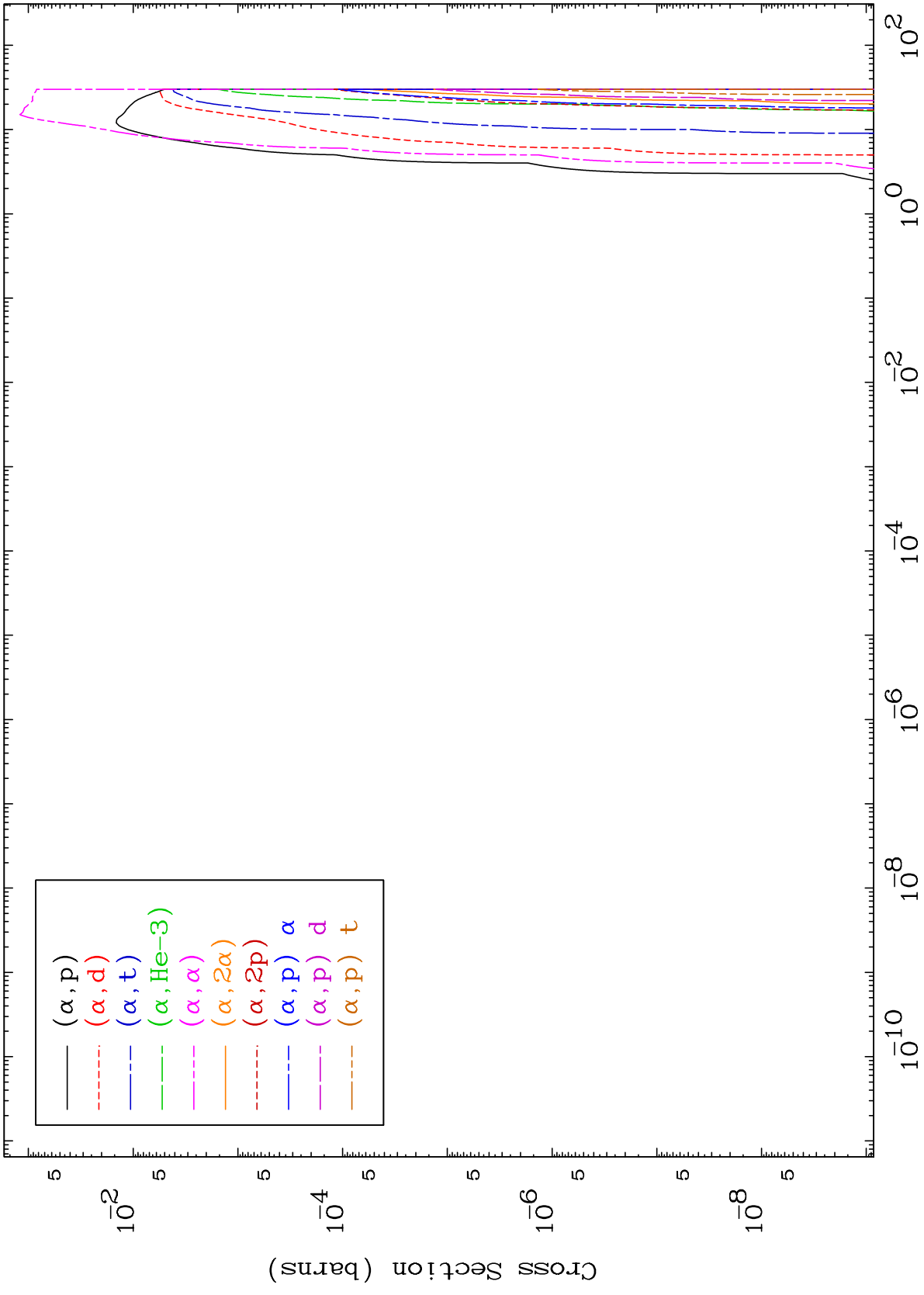
19-K -44



MAT 1940

α Charged Particle
0 Kelvin Cross Sections

19-K -44



5

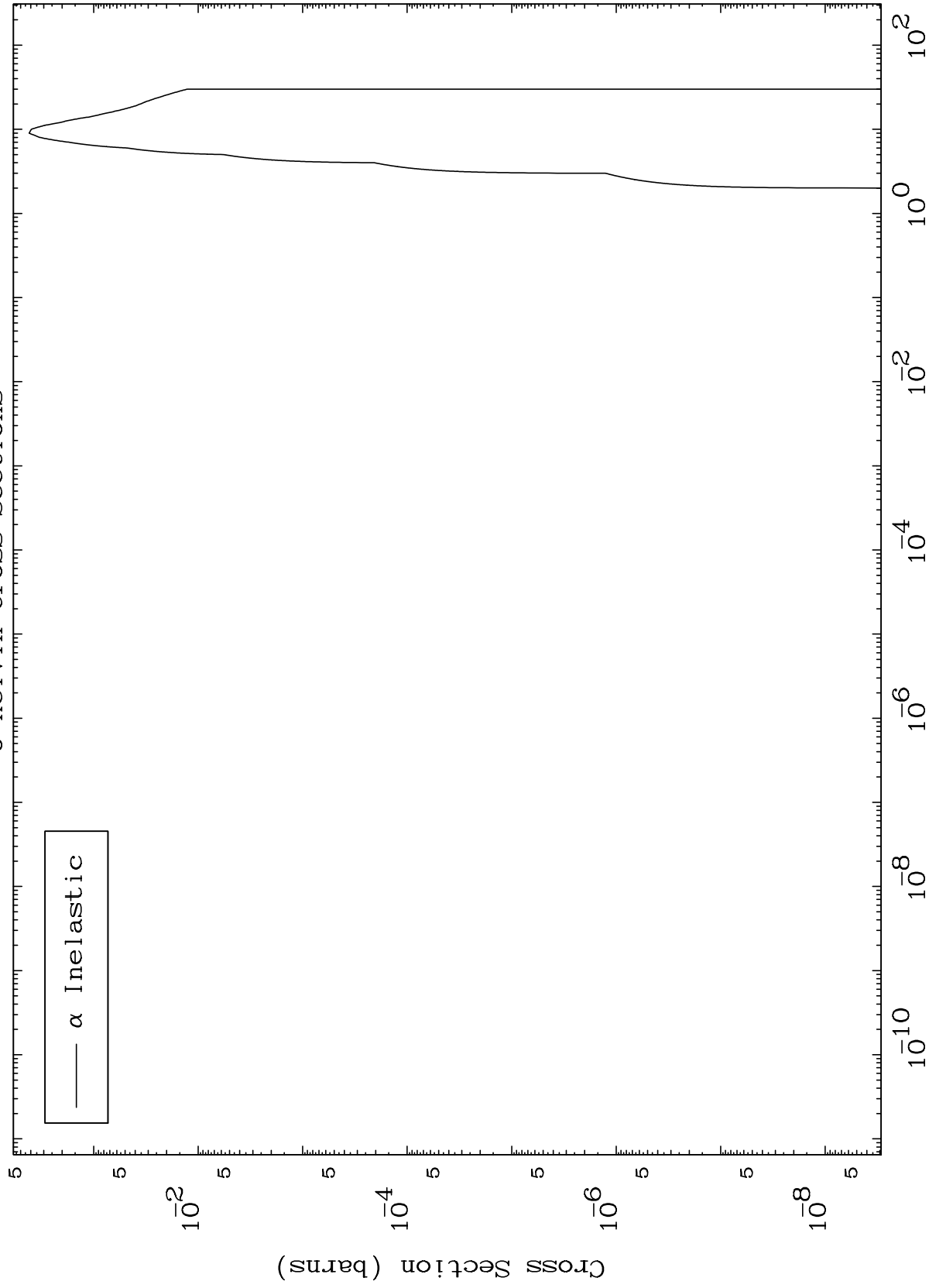
Incident Energy (MeV)

19-K -44

MAT 1940

(α, n') Level
0 Kelvin Cross Sections

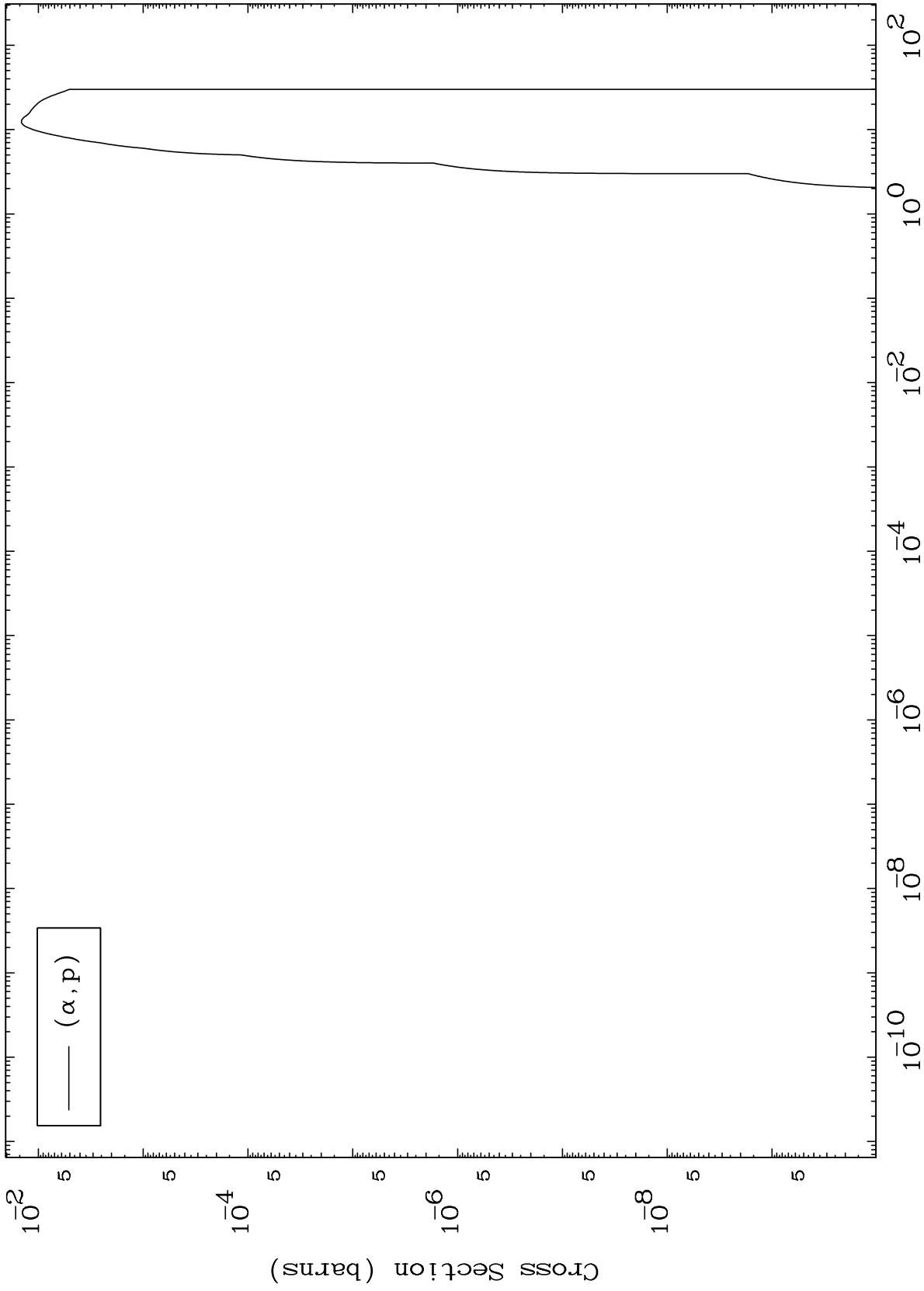
19-K -44



MAT 1940

(α, p) Levels
0 Kelvin Cross Sections

19-K -44



7

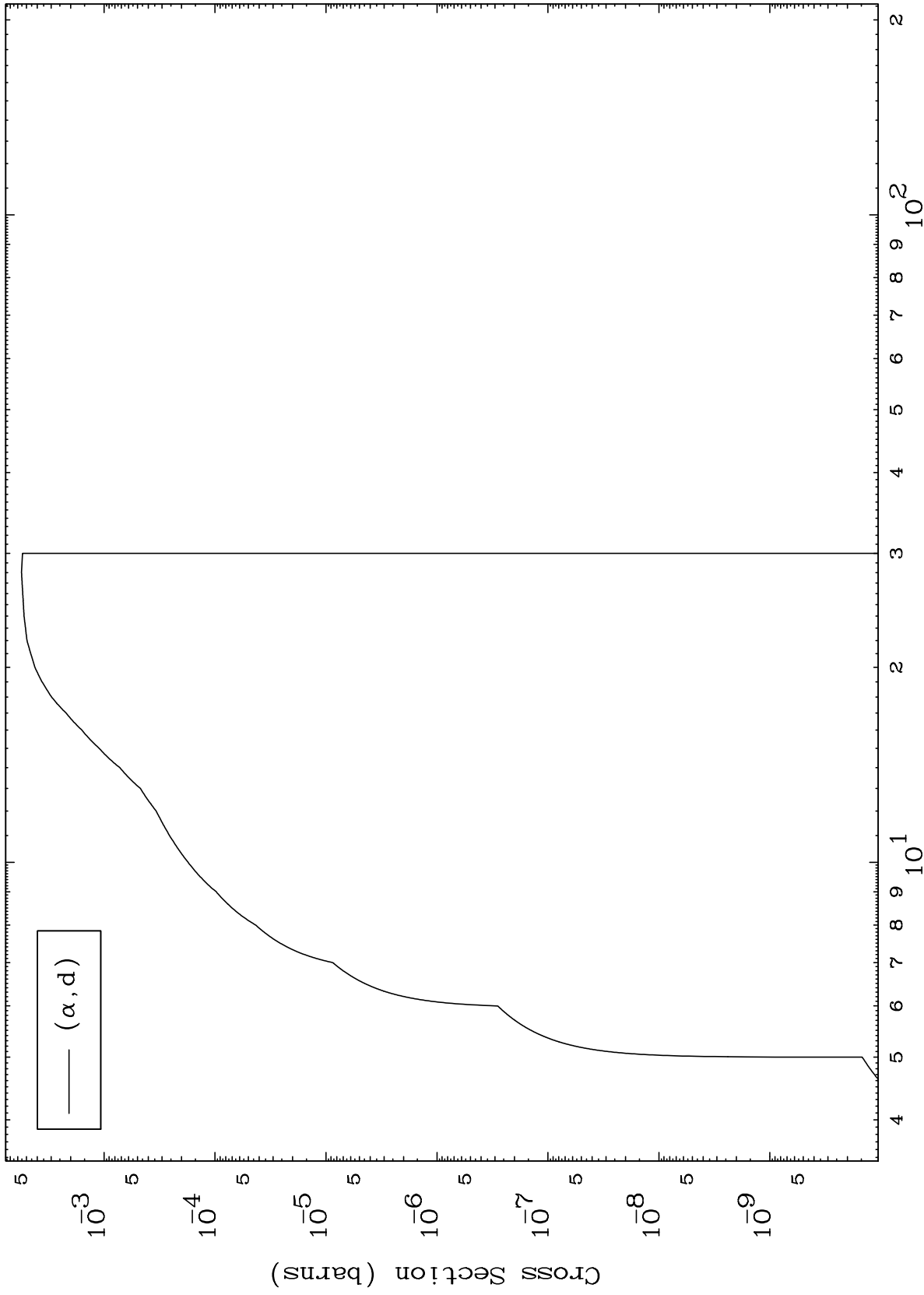
Incident Energy (MeV)

19-K -44

MAT 1940

(α, d) Levels
0 Kelvin Cross Sections

19-K -44



8

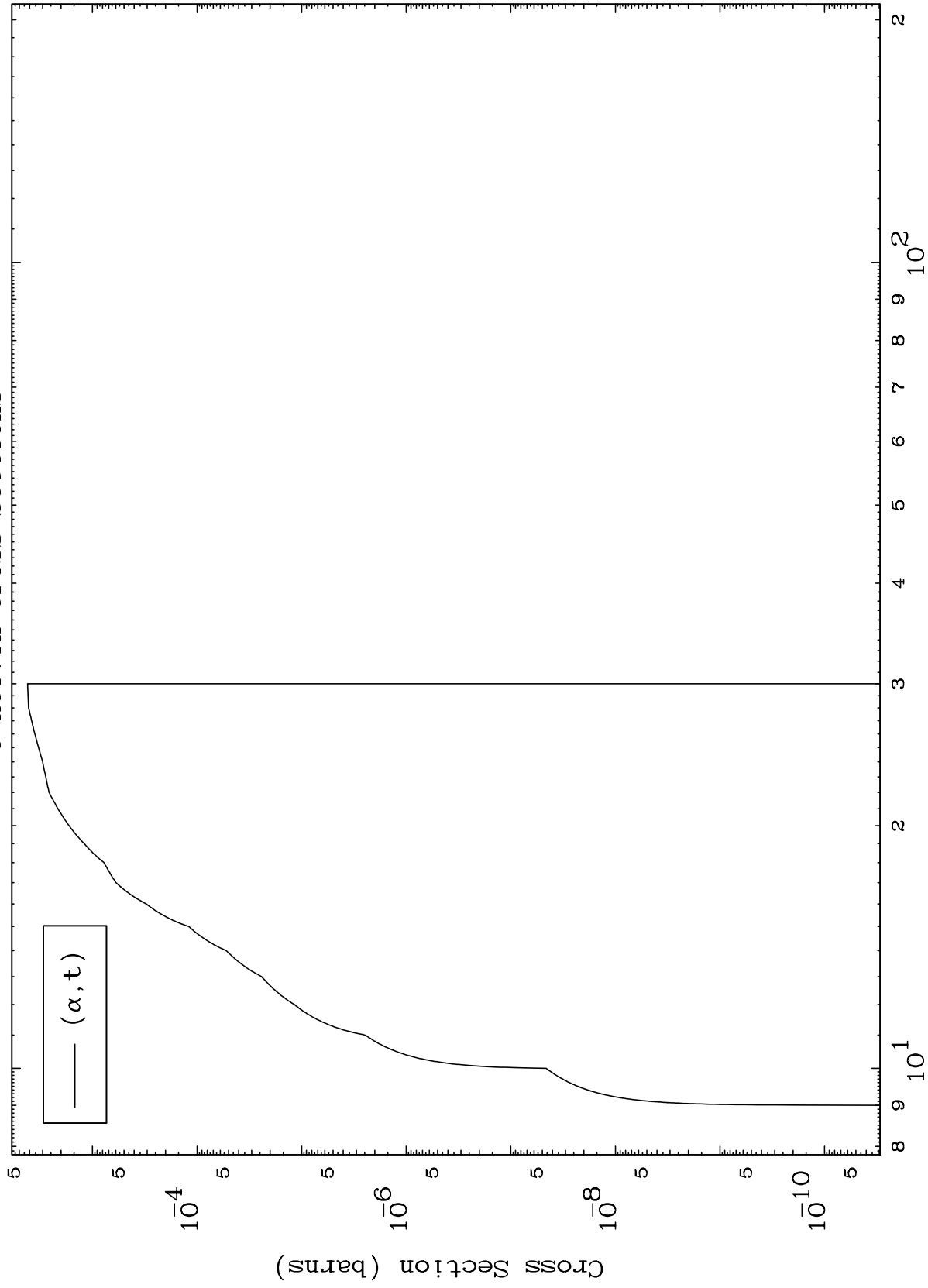
Incident Energy (MeV)

19-K -44

MAT 1940

(α, t) Levels
0 Kelvin Cross Sections

19-K -44



9

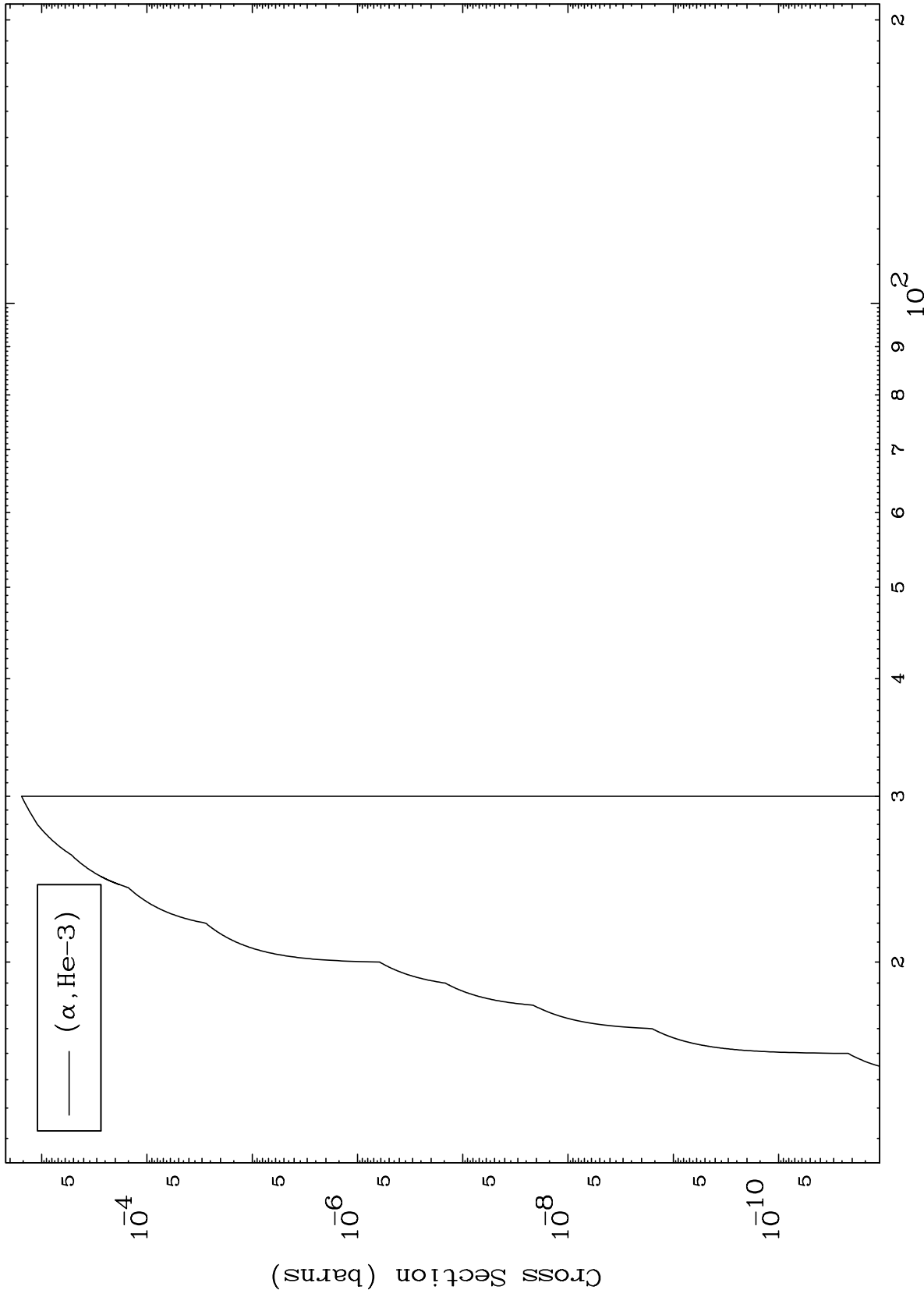
Incident Energy (MeV)

19-K -44

MAT 1940

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

19-K -44



10

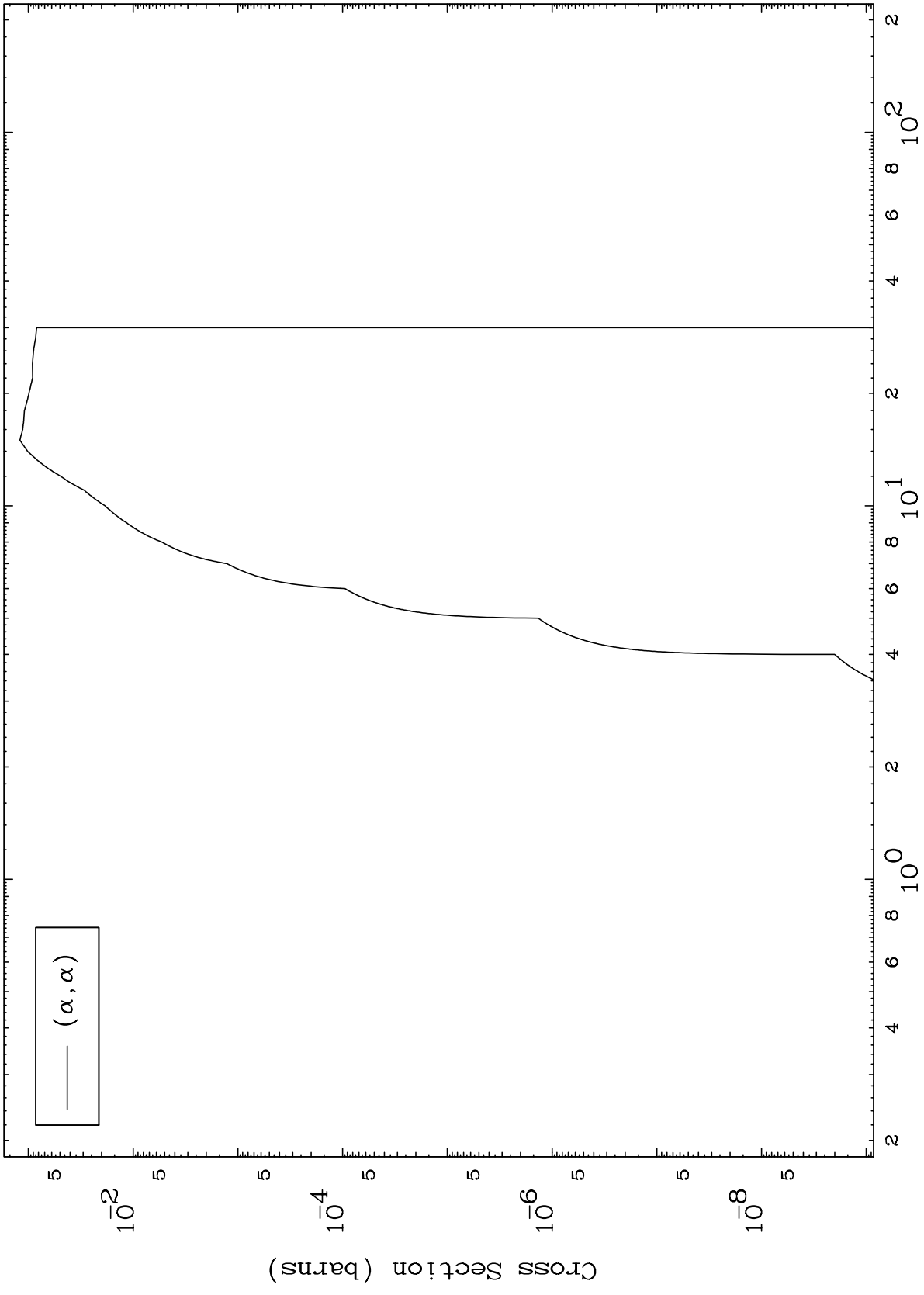
Incident Energy (MeV)

19-K -44

MAT 1940

(α, α) Levels
0 Kelvin Cross Sections

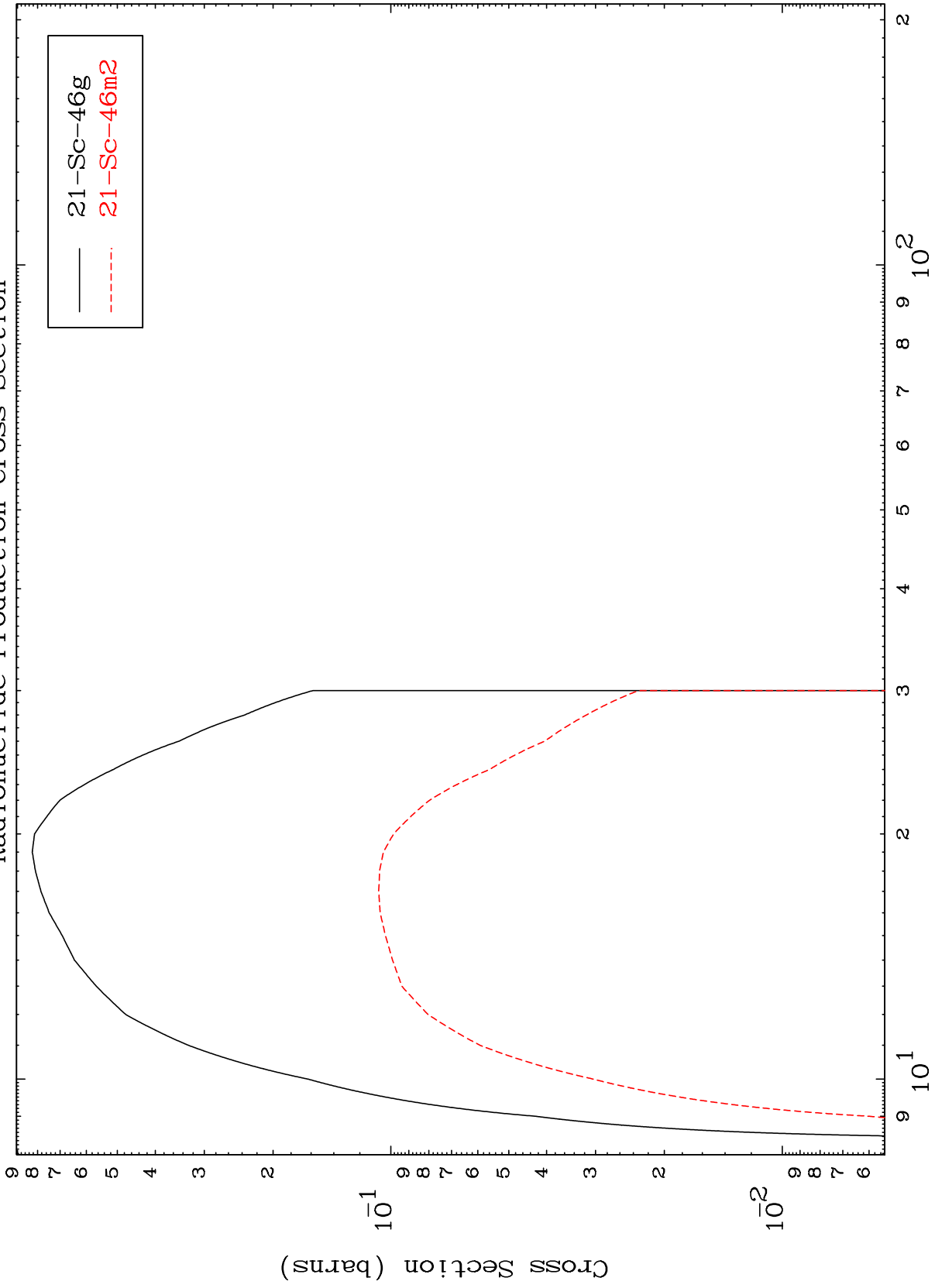
19-K -44



MAT 1940

19-K -44

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



12

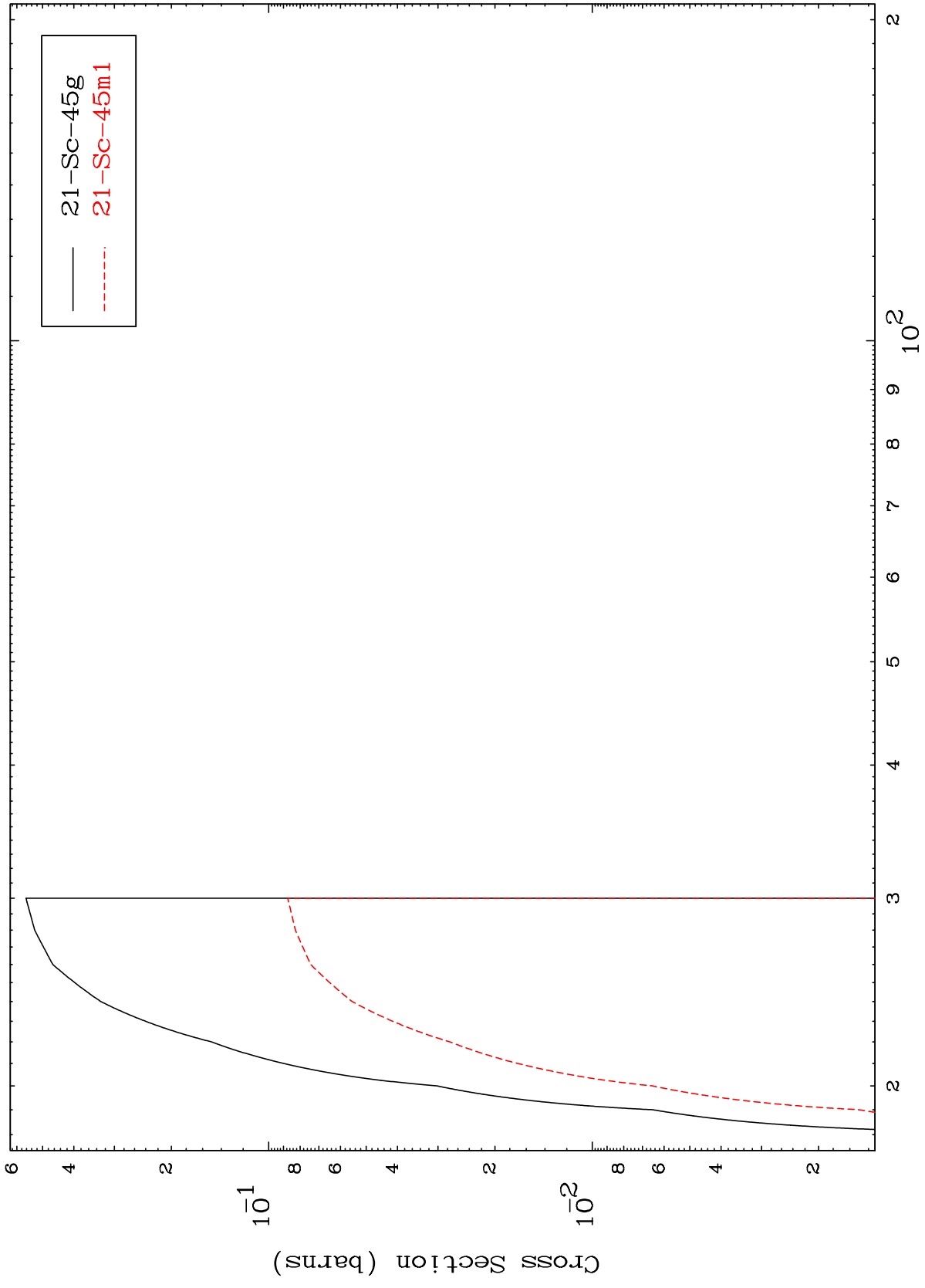
19-K -44

MAT 1940

($\alpha, 3n$)

19-K -44

Radionuclide Production Cross Section



— 21-Sc-45g
- - - 21-Sc-45m1

13

Incident Energy (MeV)

19-K -44