

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

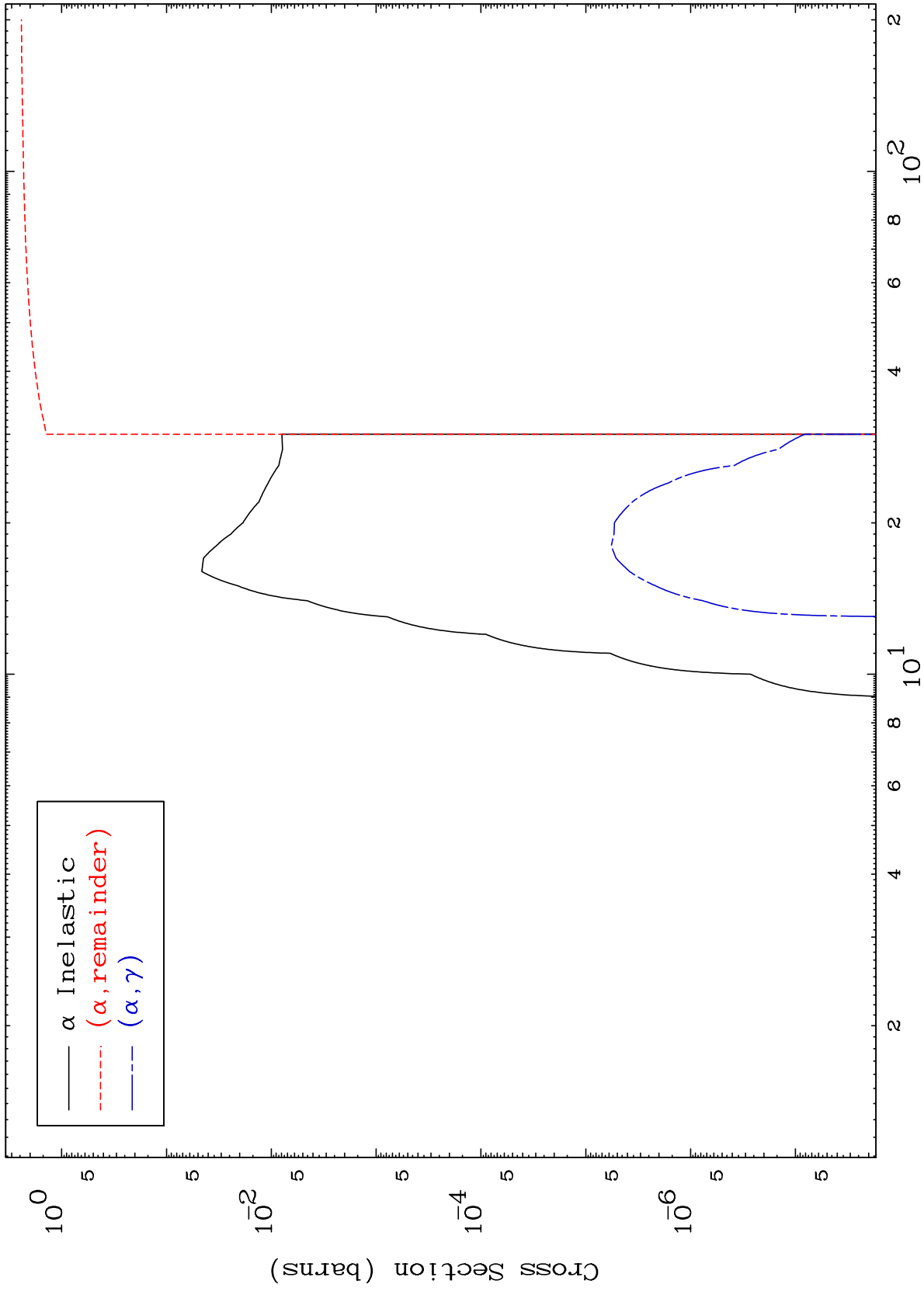
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6040

0 Kelvin α Major
Cross Sections

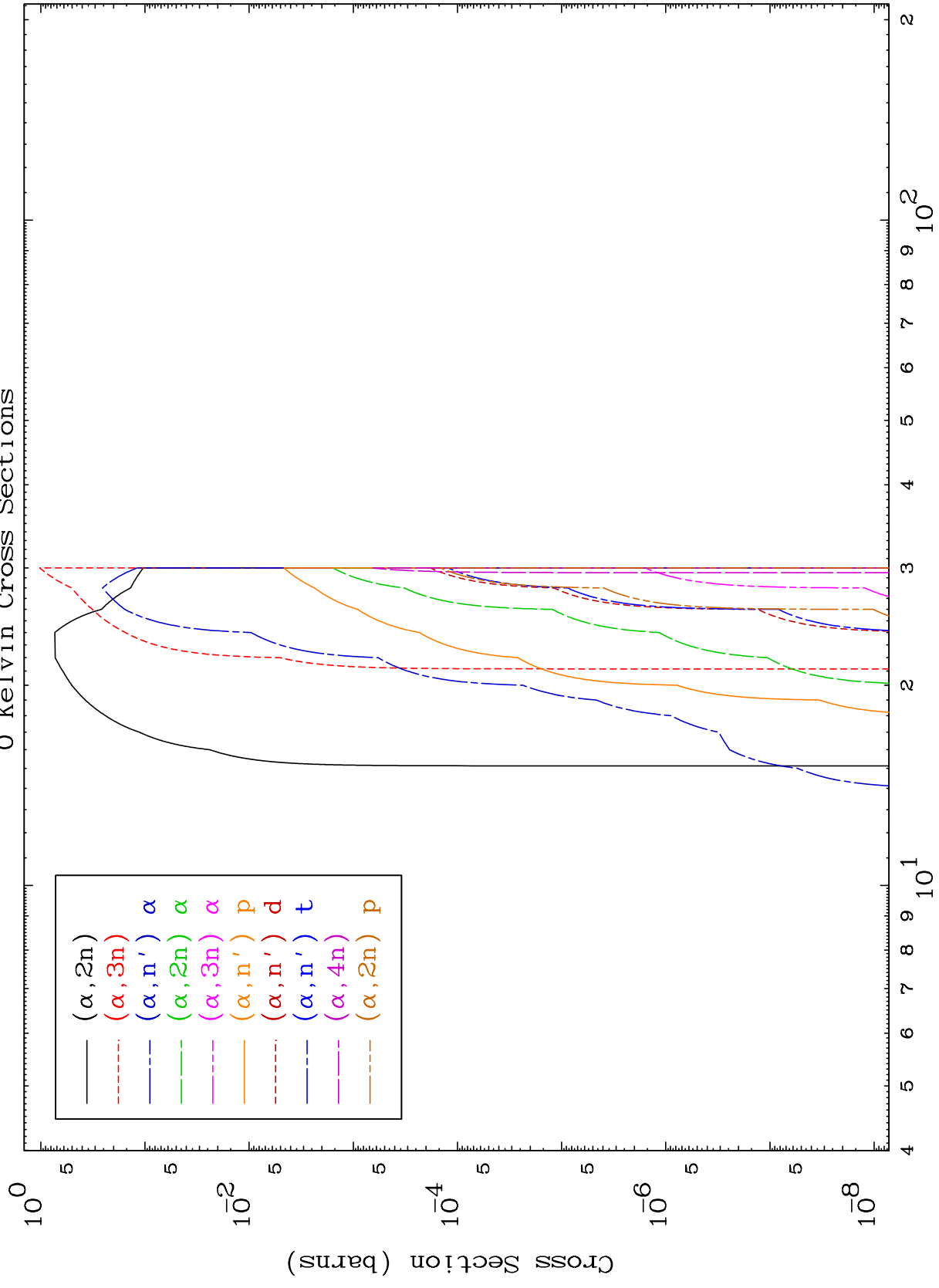
60-Nd-147



MAT 6040

α Neutron Production
0 Kelvin Cross Sections

60-Nd-147



2

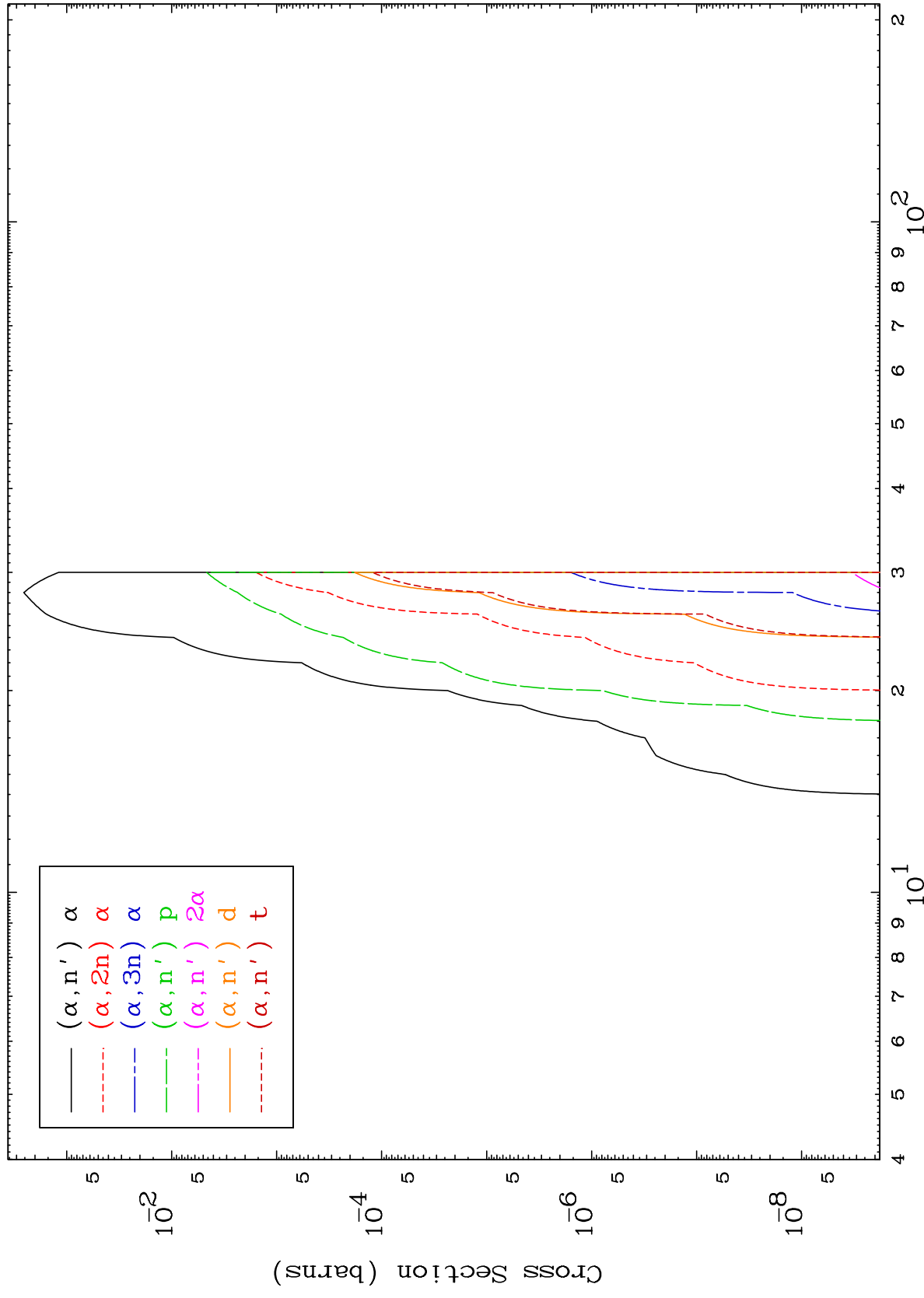
Incident Energy (MeV)

60-Nd-147

MAT 6040

α Charged Particle
0 Kelvin Cross Sections

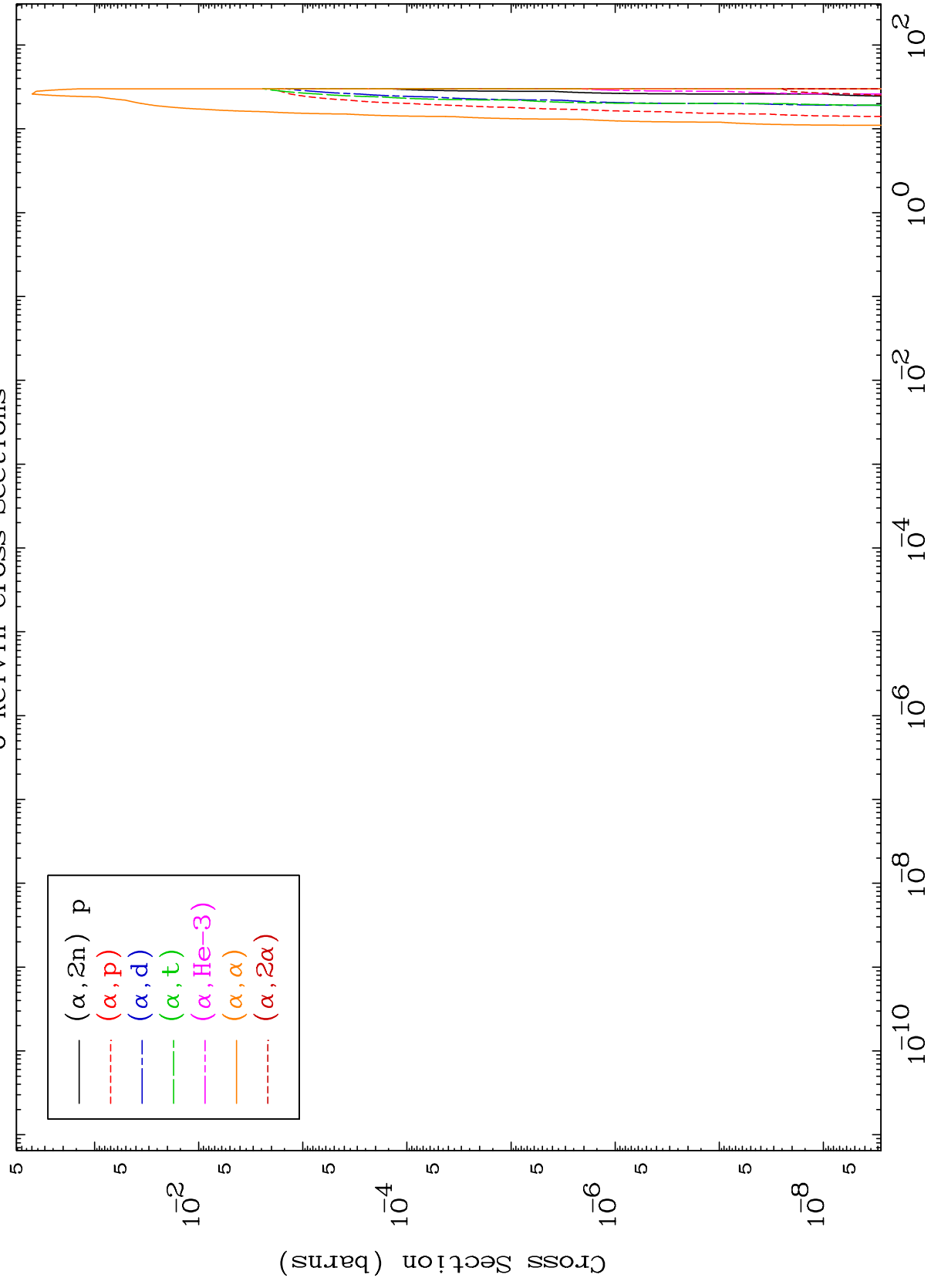
60-Nd-147



MAT 6040

α Charged Particle
0 Kelvin Cross Sections

60-Nd-147



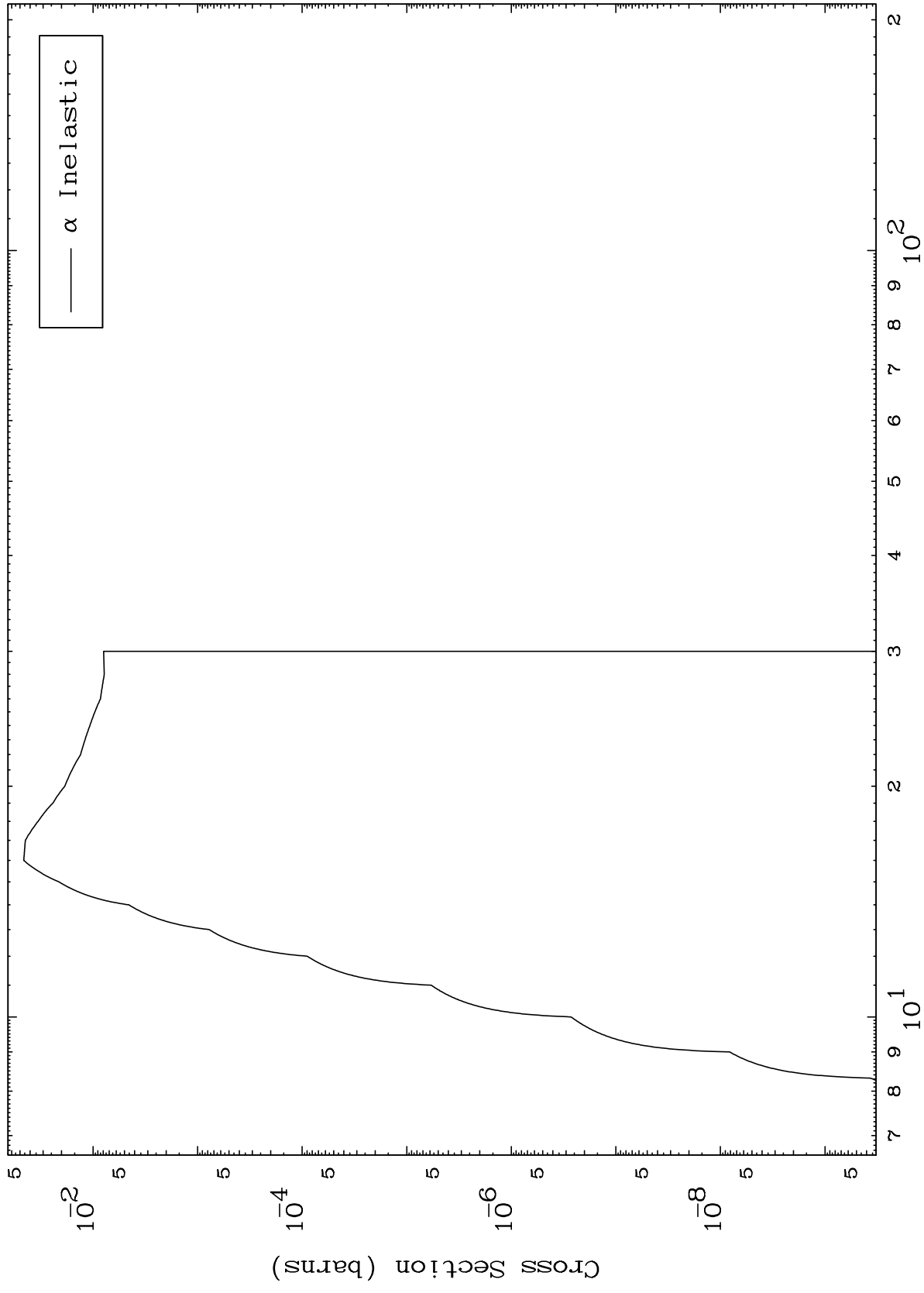
60-Nd-147

Incident Energy (MeV)

MAT 6040

(α, n') Level
0 Kelvin Cross Sections

60-Nd-147



5

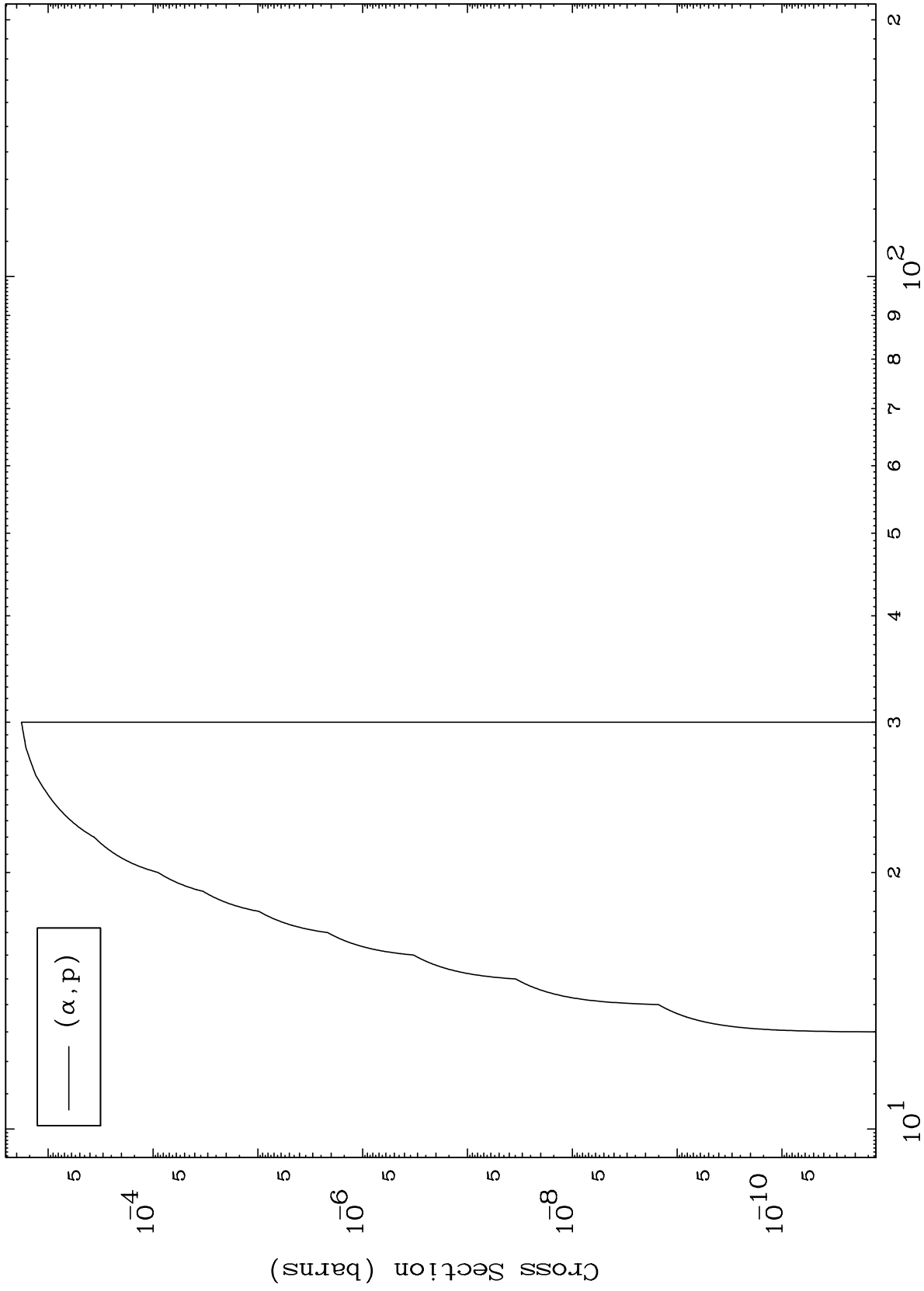
Incident Energy (MeV)

60-Nd-147

MAT 6040

(α, p) Levels
0 Kelvin Cross Sections

60-Nd-147



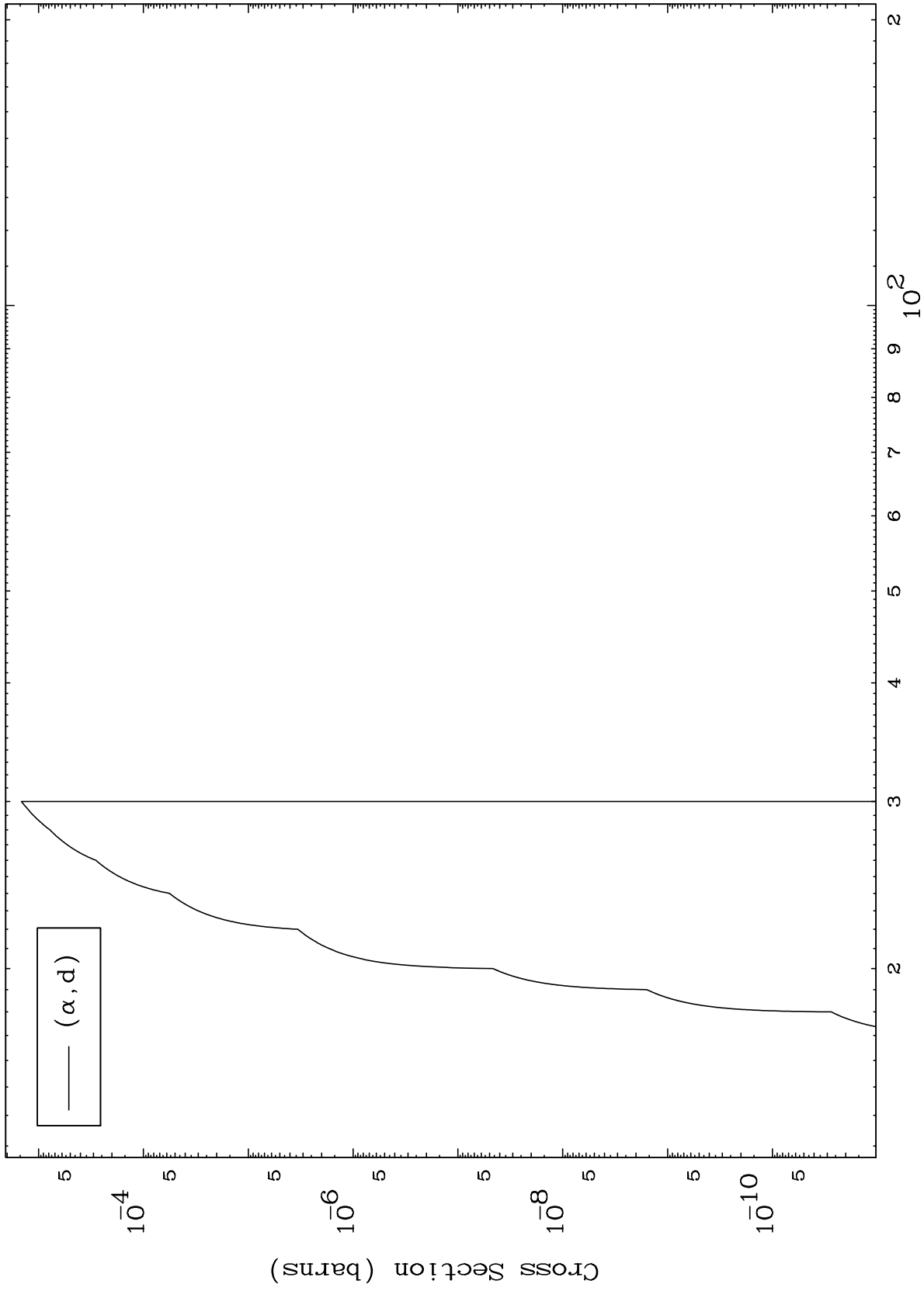
Incident Energy (MeV)

60-Nd-147

MAT 6040

(α, d) Levels
0 Kelvin Cross Sections

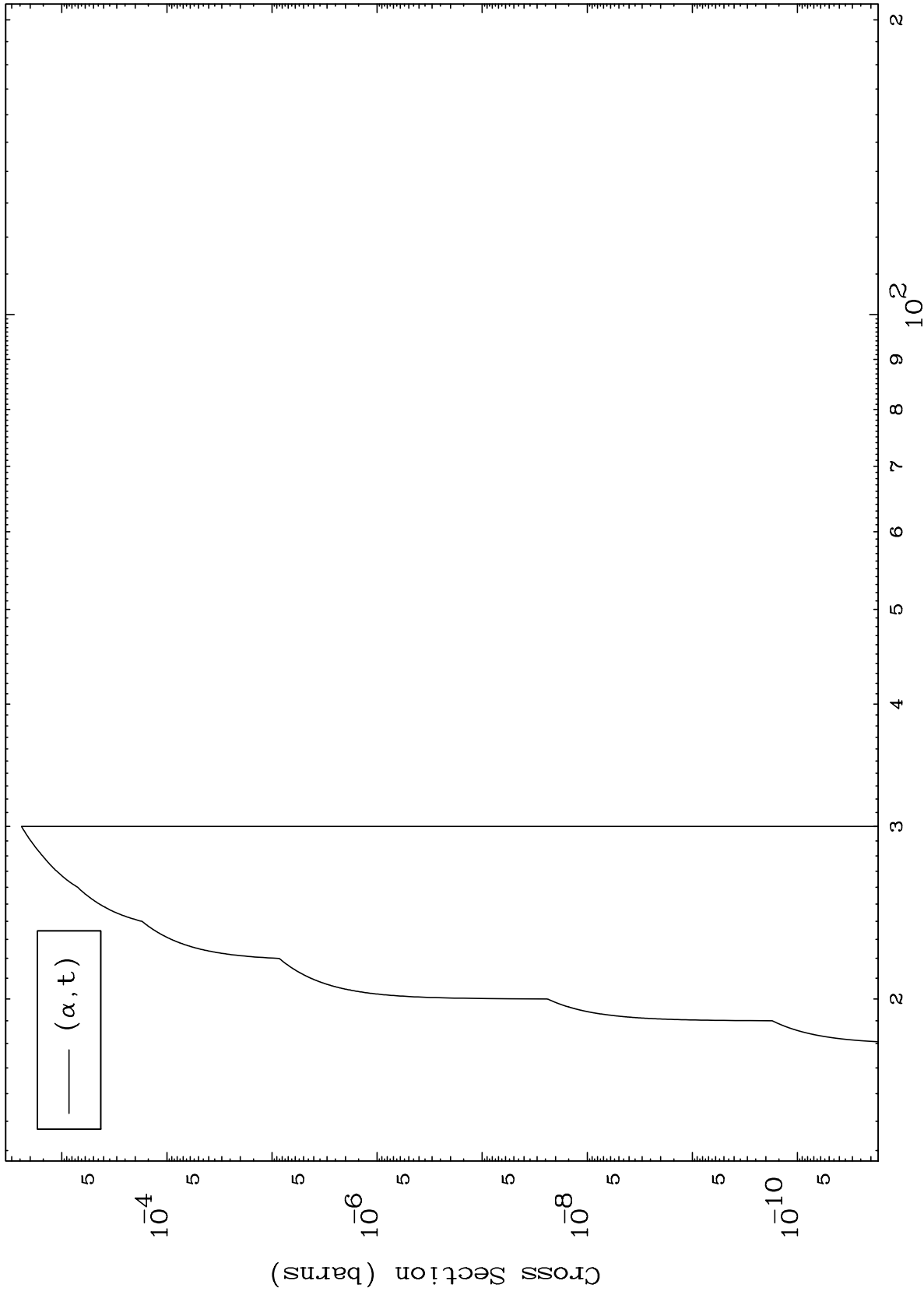
60-Nd-147



MAT 6040

(α, t) Levels
0 Kelvin Cross Sections

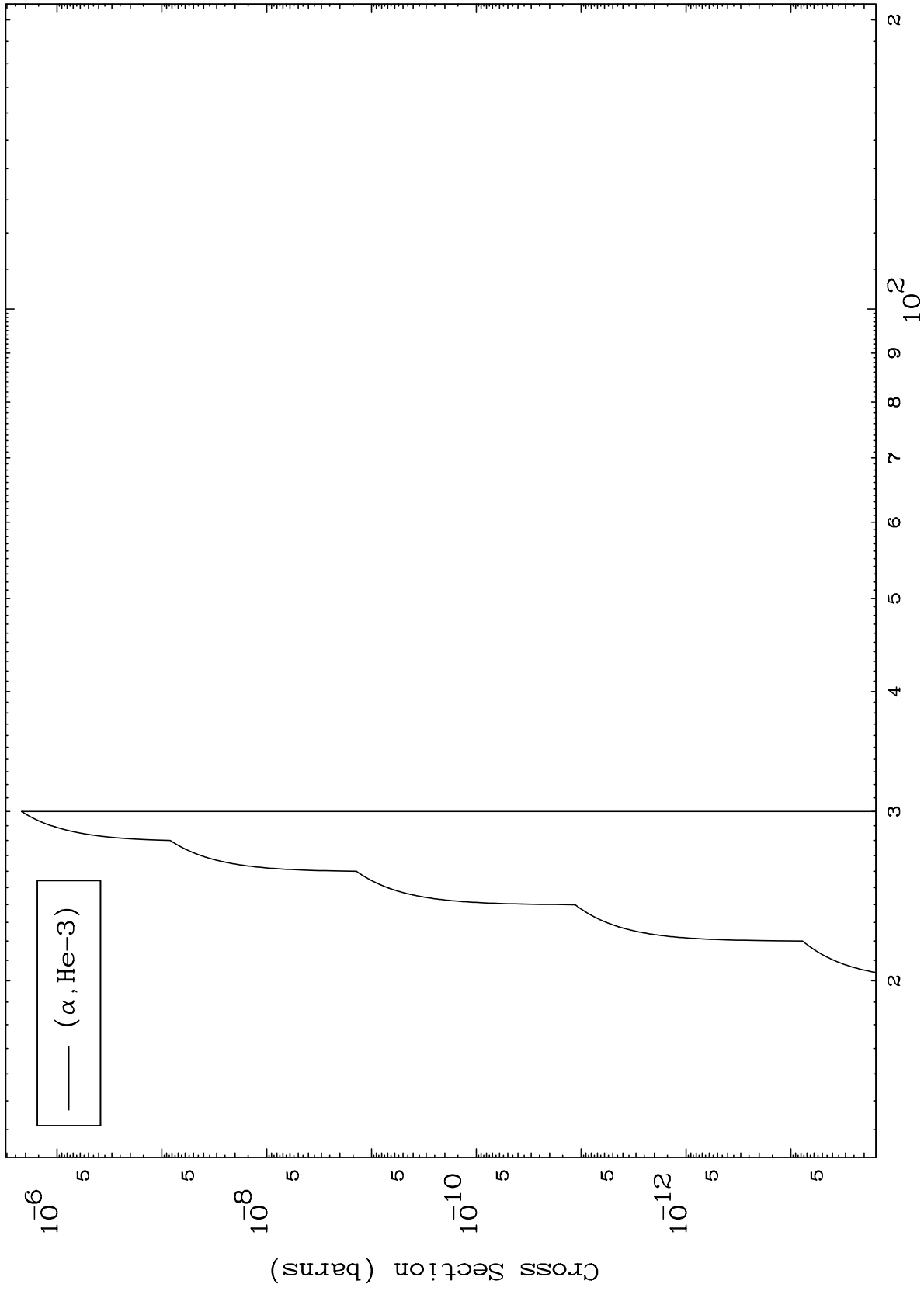
60-Nd-147



MAT 6040

(α ,He3) Levels
0 Kelvin Cross Sections

60-Nd-147



9

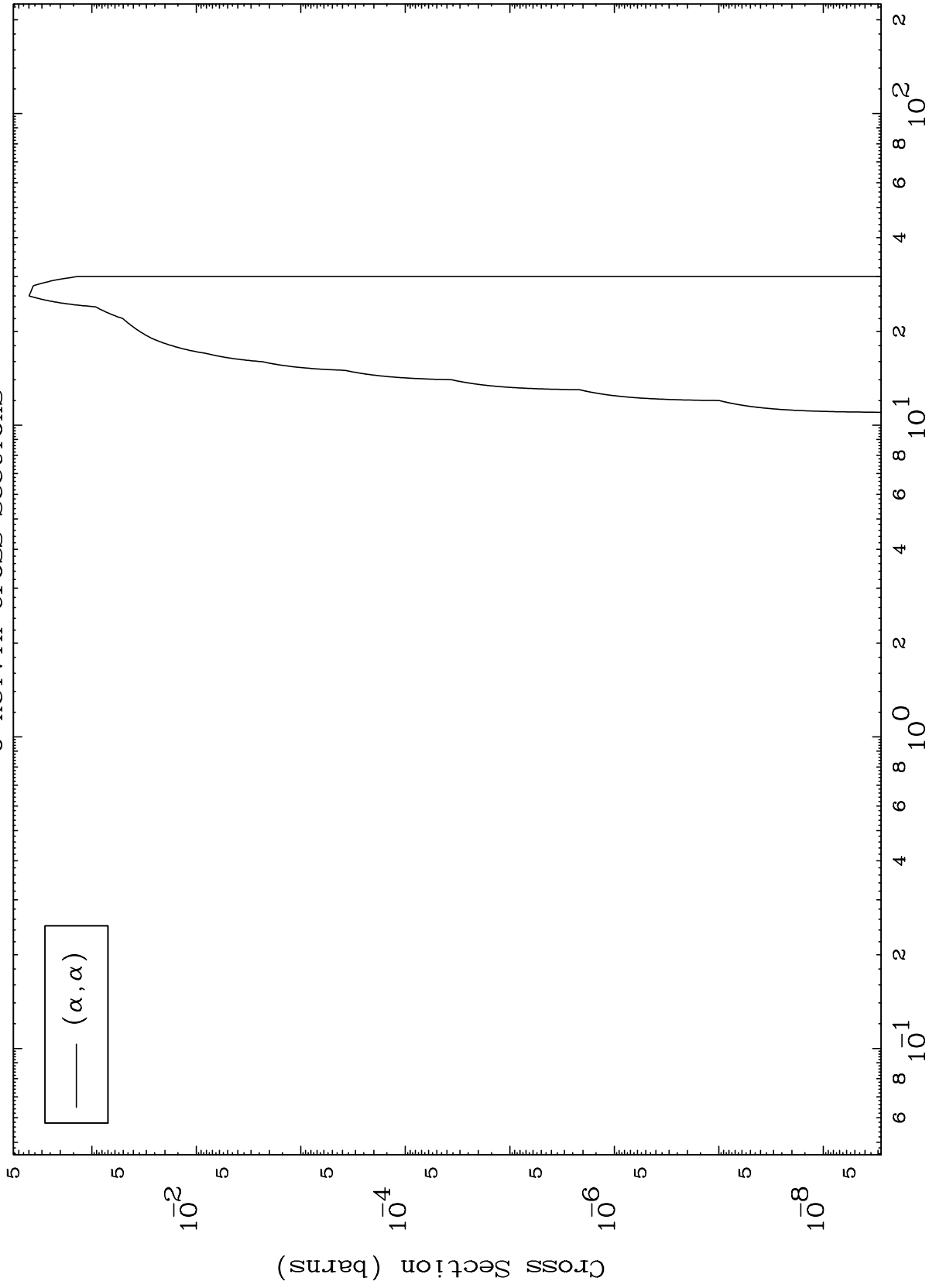
Incident Energy (MeV)

60-Nd-147

MAT 6040

(α, α) Levels
0 Kelvin Cross Sections

60-Nd-147



10

Incident Energy (MeV)

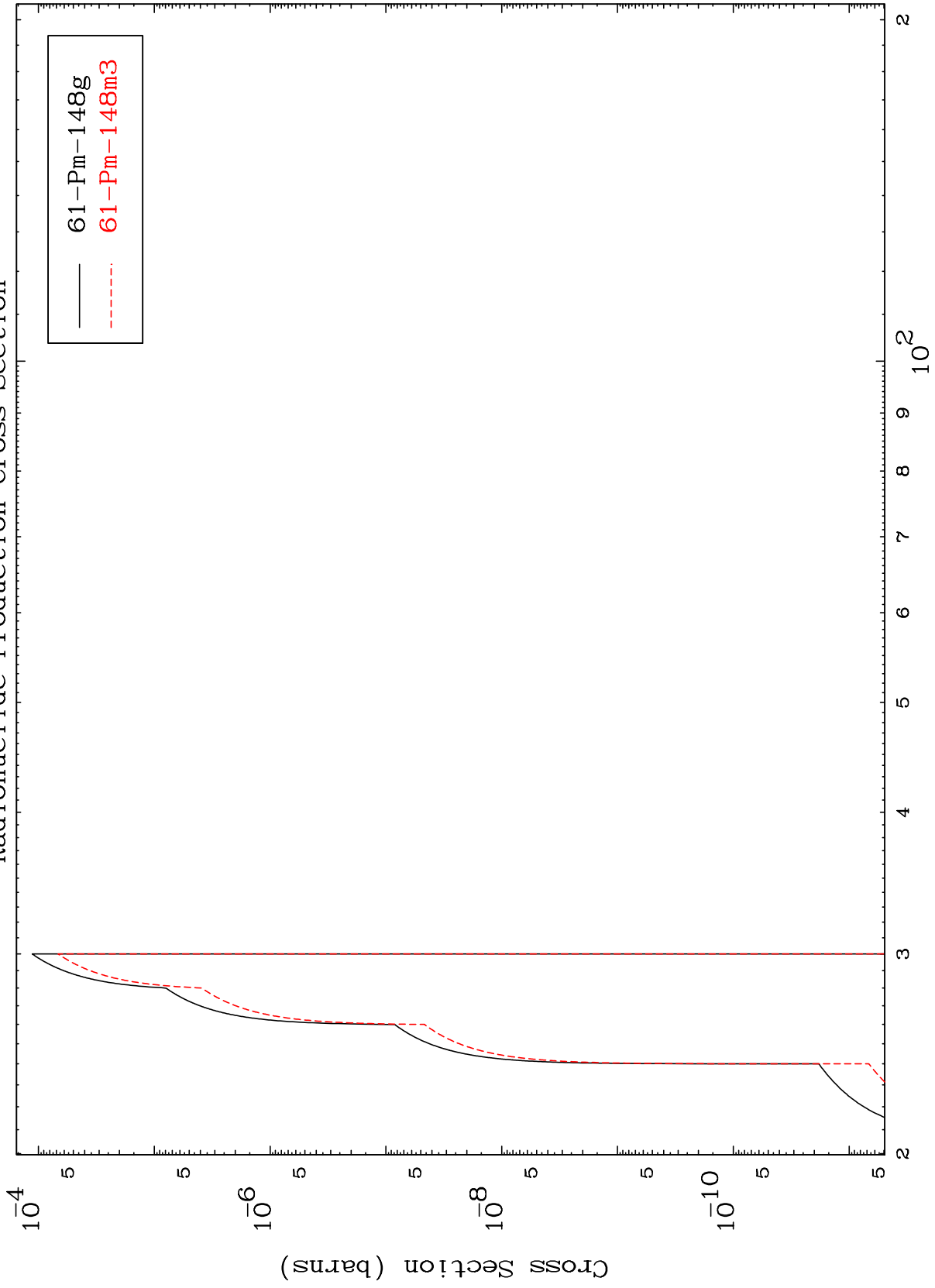
60-Nd-147

MAT 6040

(α, n') d

$^{60}\text{Nd}-147$

Radionuclide Production Cross Section



11

Incident Energy (MeV)

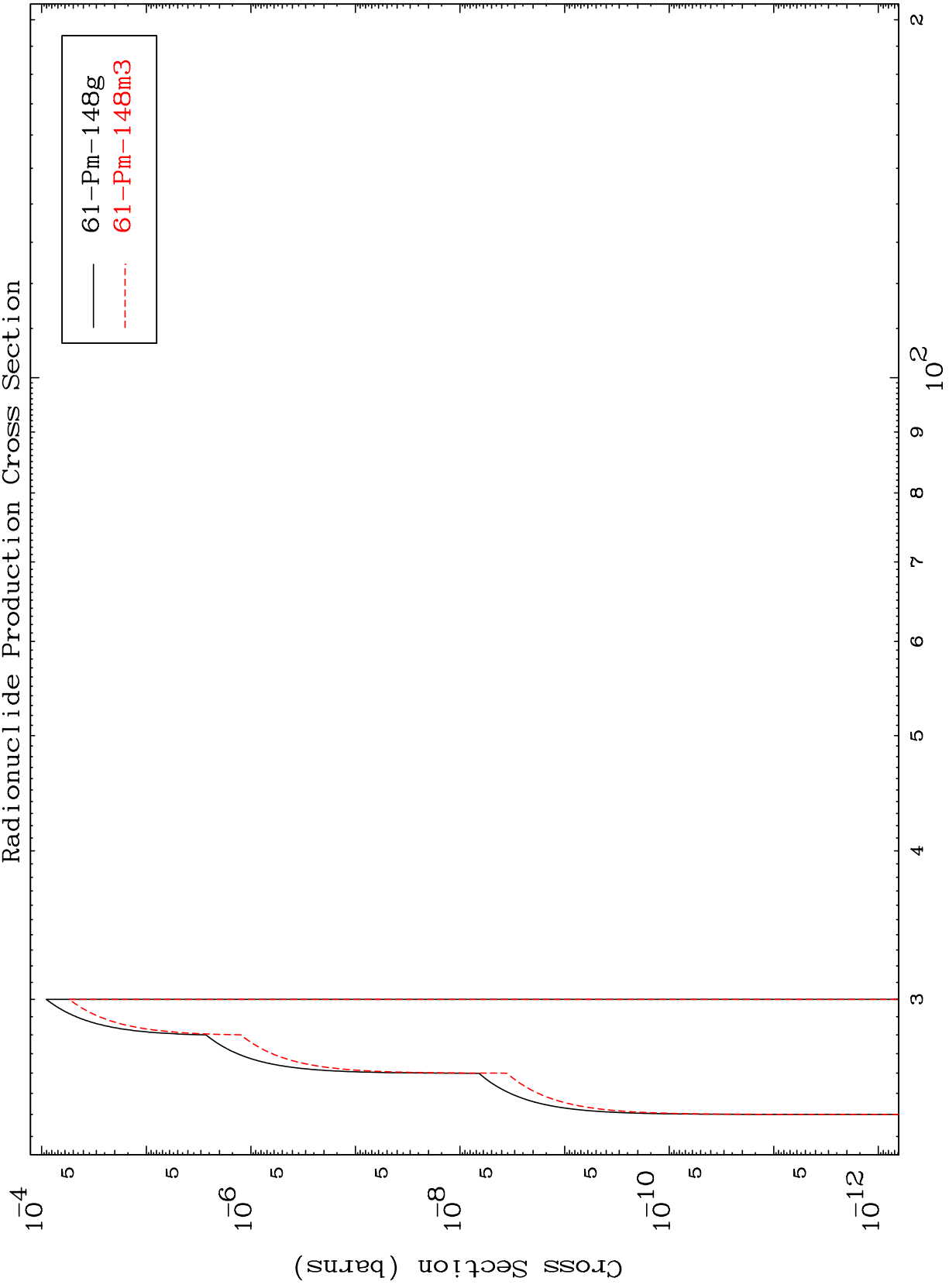
$^{60}\text{Nd}-147$

MAT 6040

$(\alpha, 2n)$ p

$^{60}\text{Nd}-147$

Radionuclide Production Cross Section



12

Incident Energy (MeV)

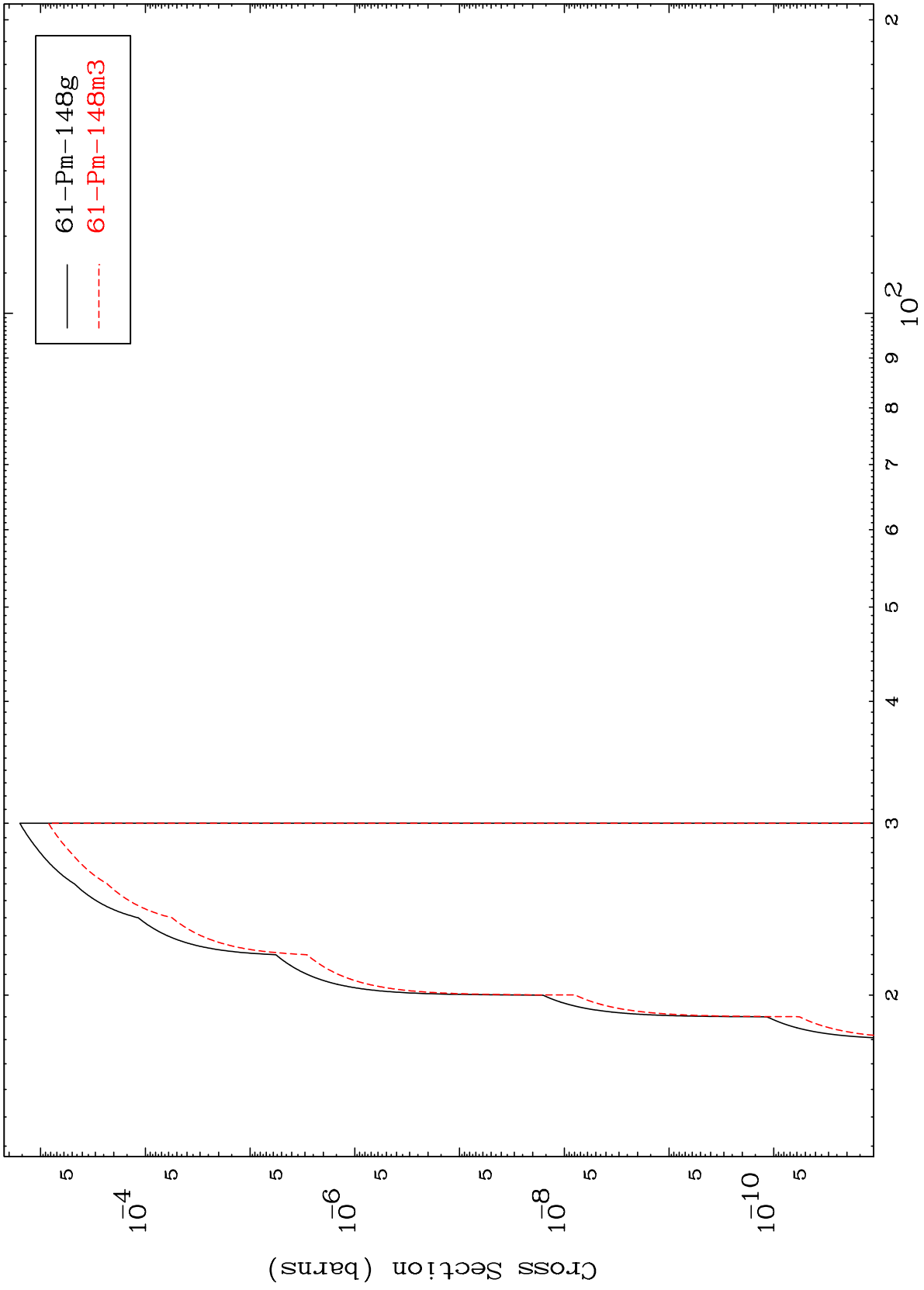
$^{60}\text{Nd}-147$

MAT 6040

(α, t)

$^{60}\text{Nd}-147$

Radionuclide Production Cross Section



13

Incident Energy (MeV)

$^{60}\text{Nd}-147$