

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

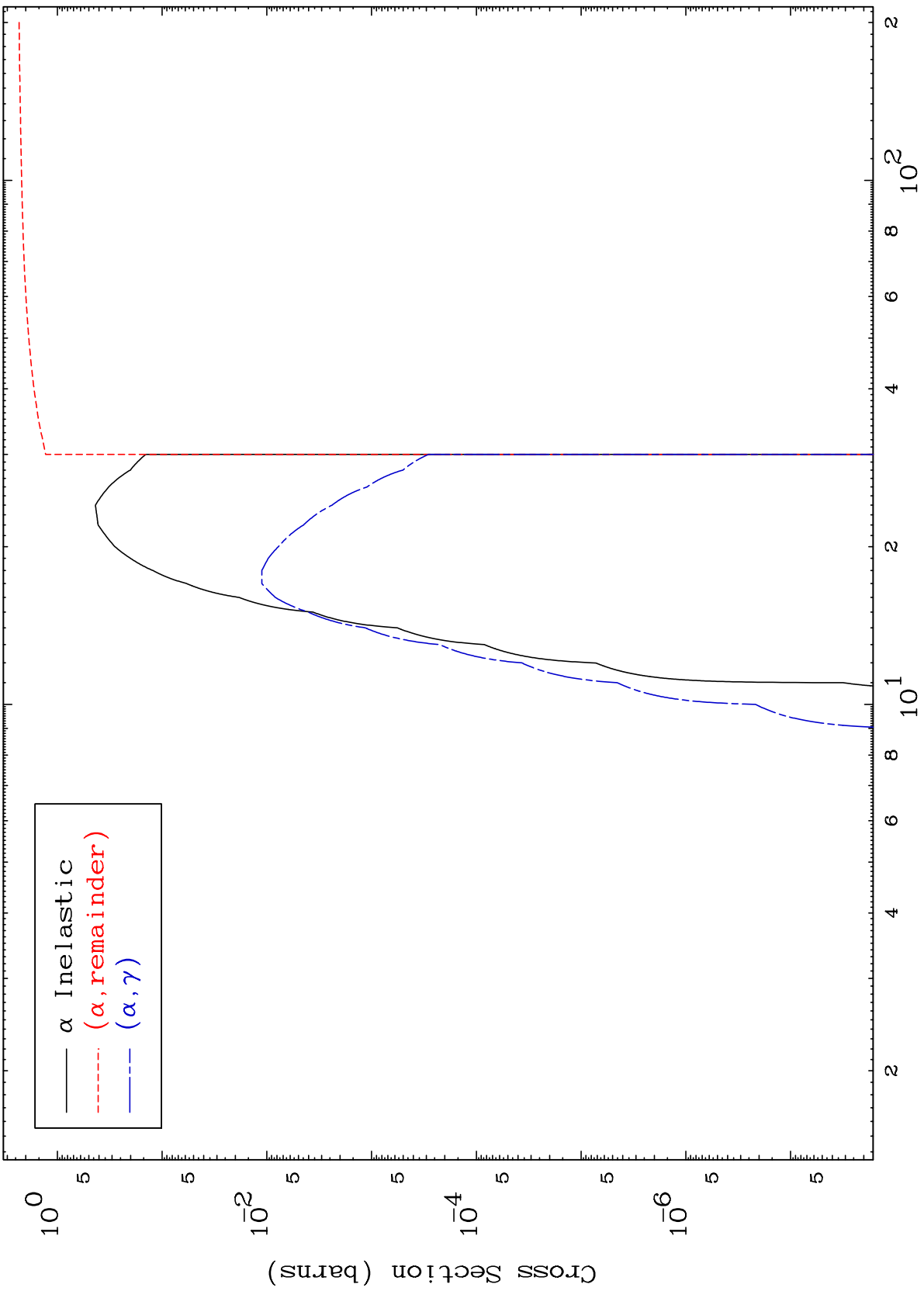
Press Mouse Button to Start

MAT 6004

α Major

60-Nd-135

0 Kelvin Cross Sections

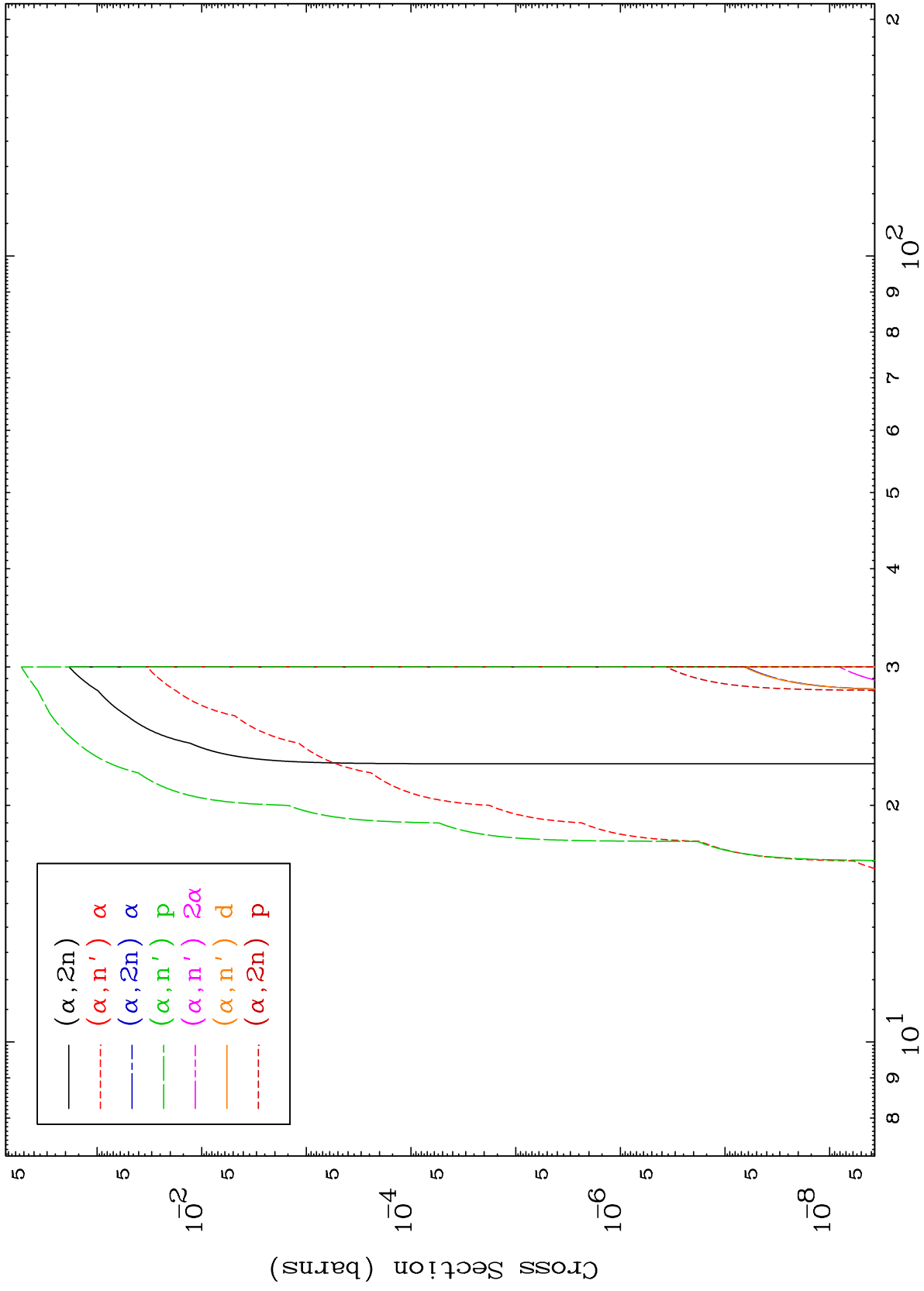


α Inelastic
 $(\alpha, \text{remainder})$
 (α, γ)

MAT 6004

α Neutron Production
0 Kelvin Cross Sections

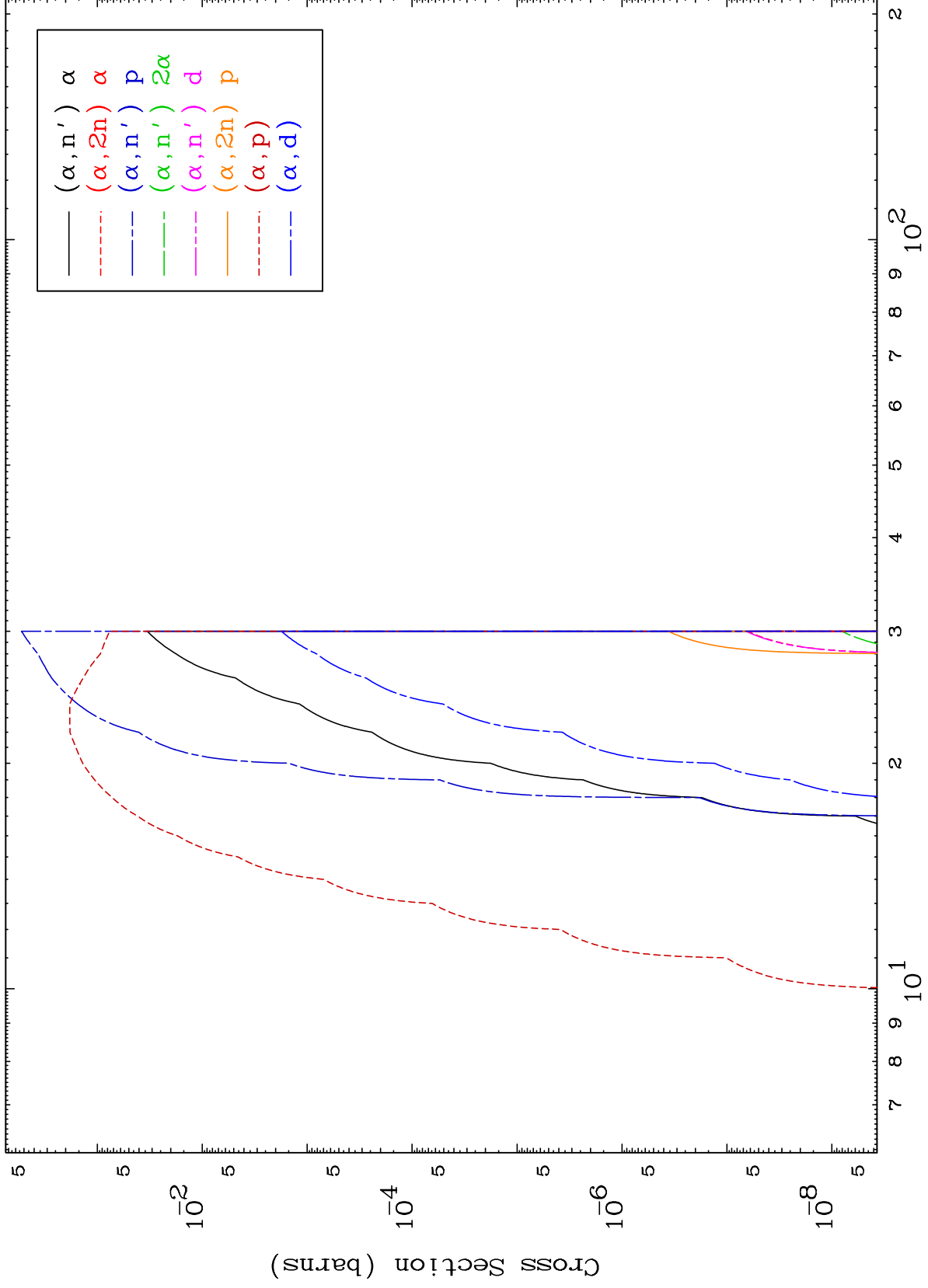
60-Nd-135



Incident Energy (MeV)

60-Nd-135

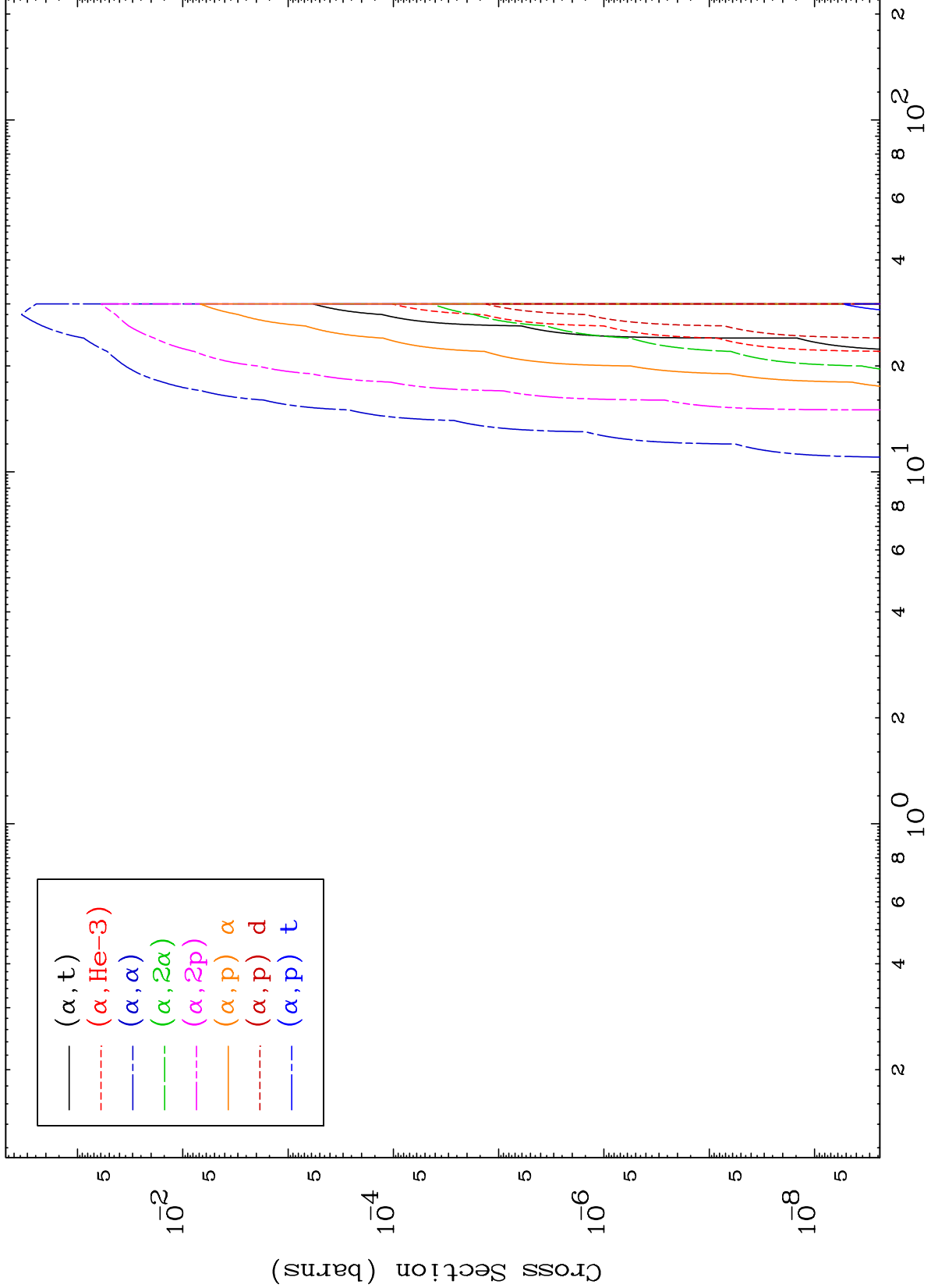
2



MAT 6004

α Charged Particle
0 Kelvin Cross Sections

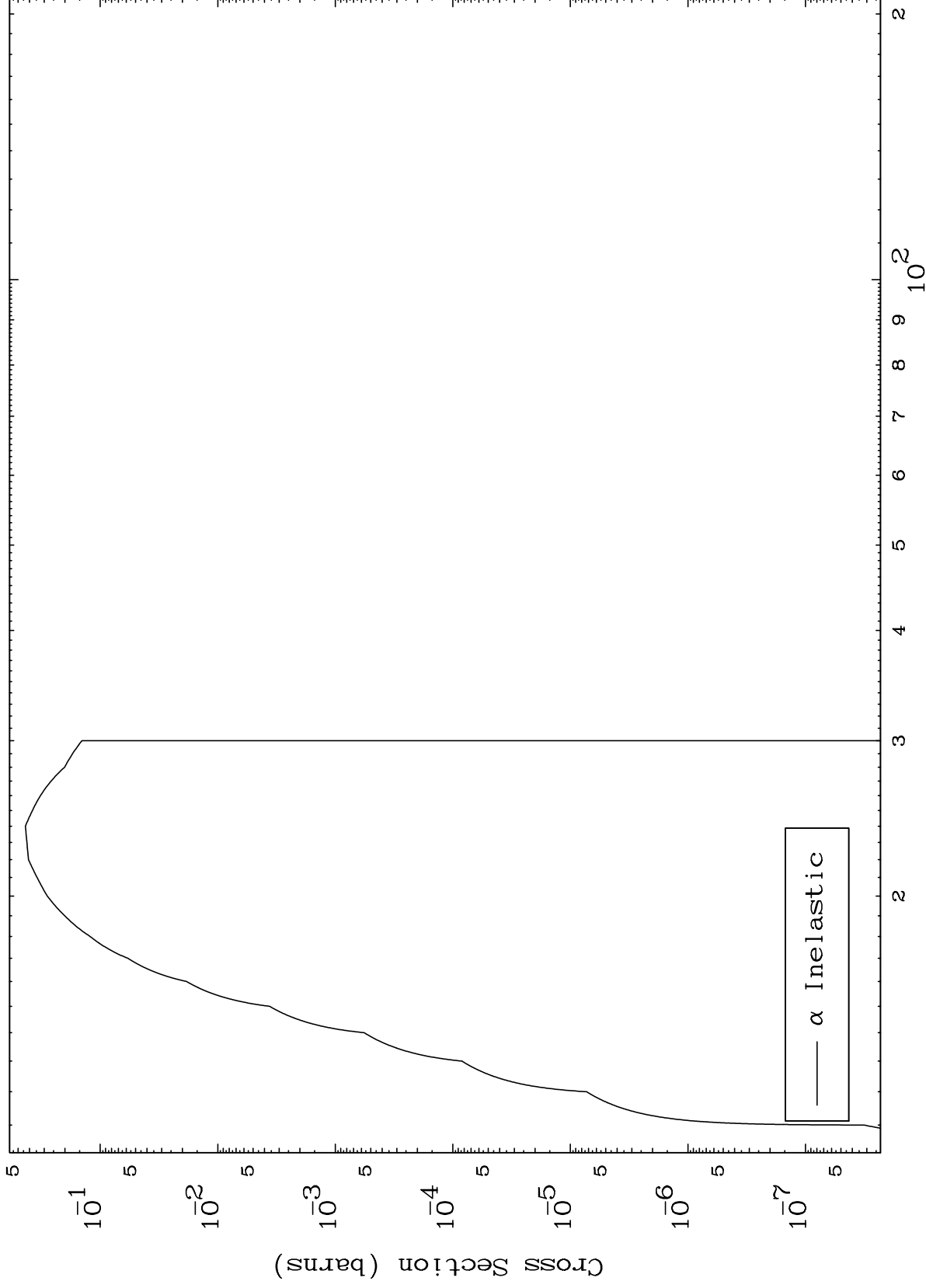
60-Nd-135



MAT 6004

(α, n') Level
0 Kelvin Cross Sections

60-Nd-135



5

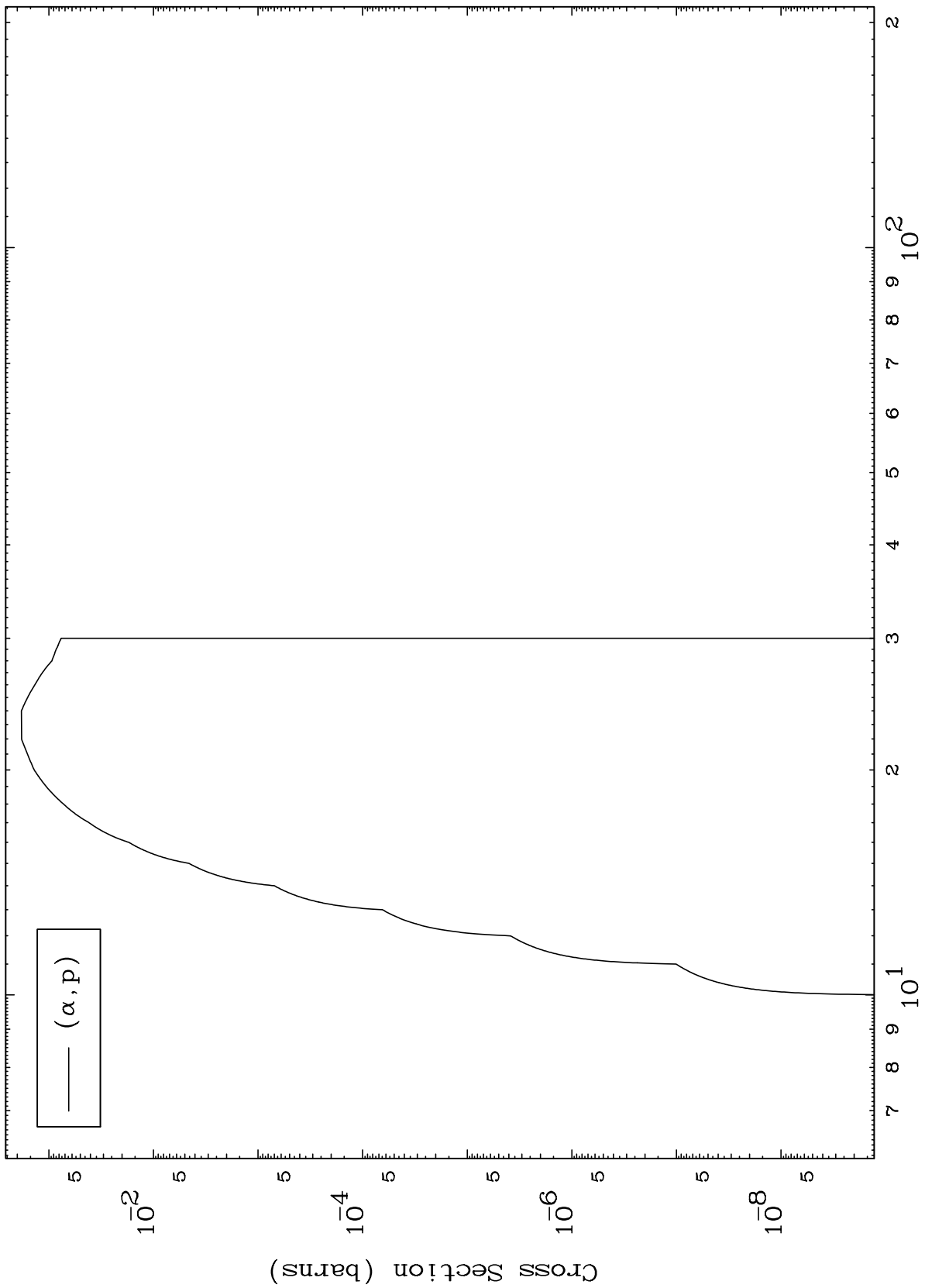
Incident Energy (MeV)

60-Nd-135

MAT 6004

60-Nd-135

(α, p) Levels
0 Kelvin Cross Sections



6

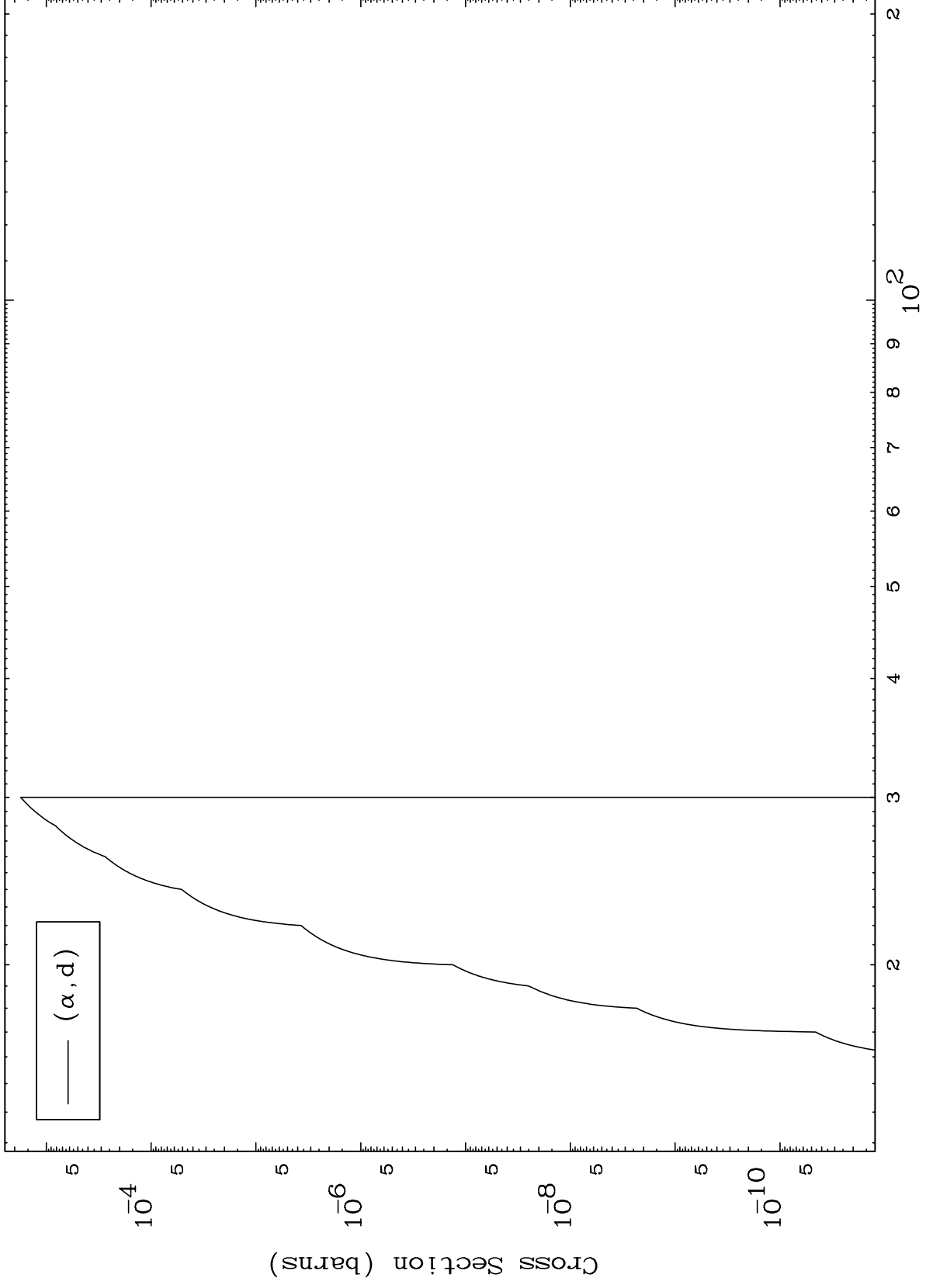
60-Nd-135

Incident Energy (MeV)

MAT 6004

(α, d) Levels
0 Kelvin Cross Sections

60-Nd-135



7

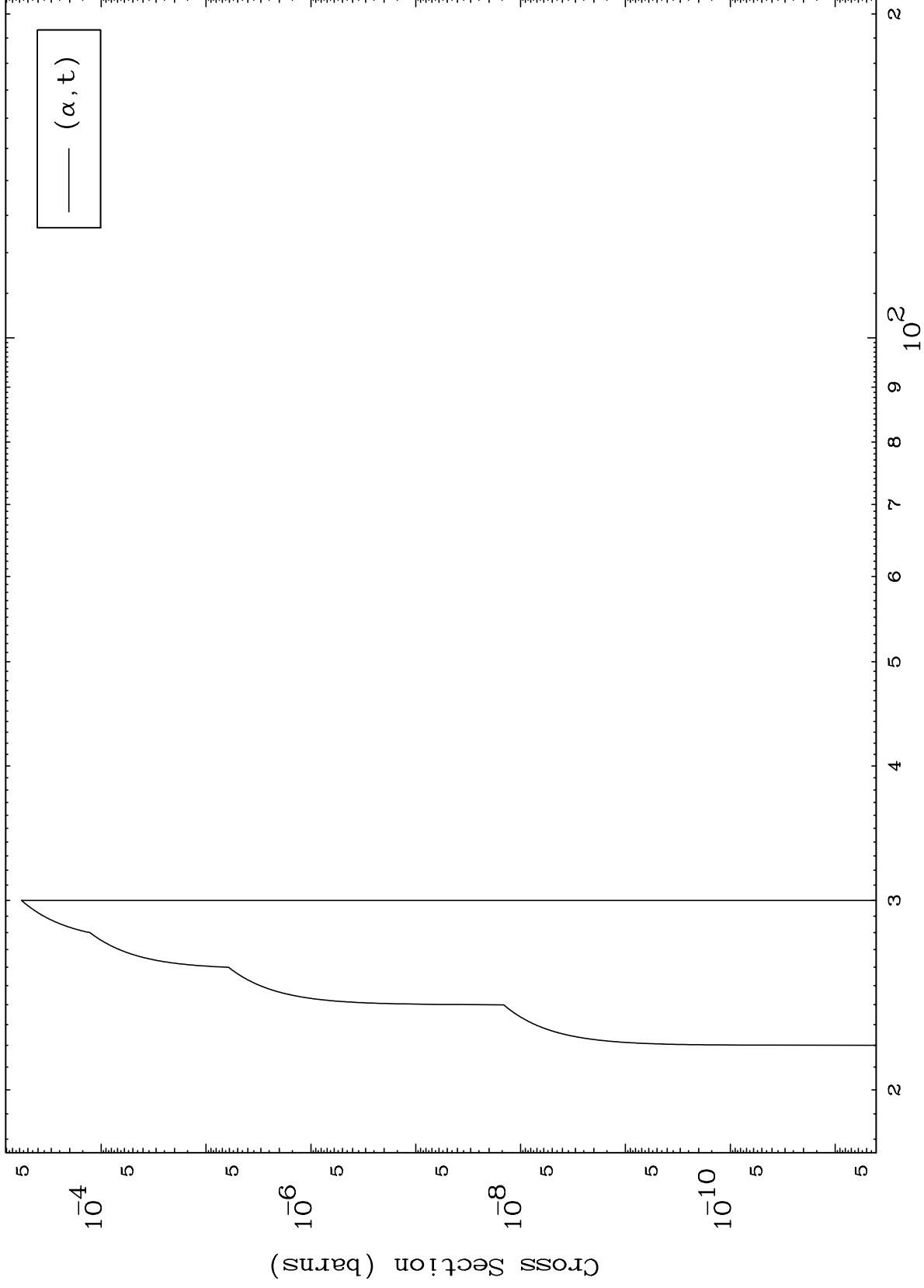
Incident Energy (MeV)

60-Nd-135

MAT 6004

(α, t) Levels
0 Kelvin Cross Sections

60-Nd-135



8

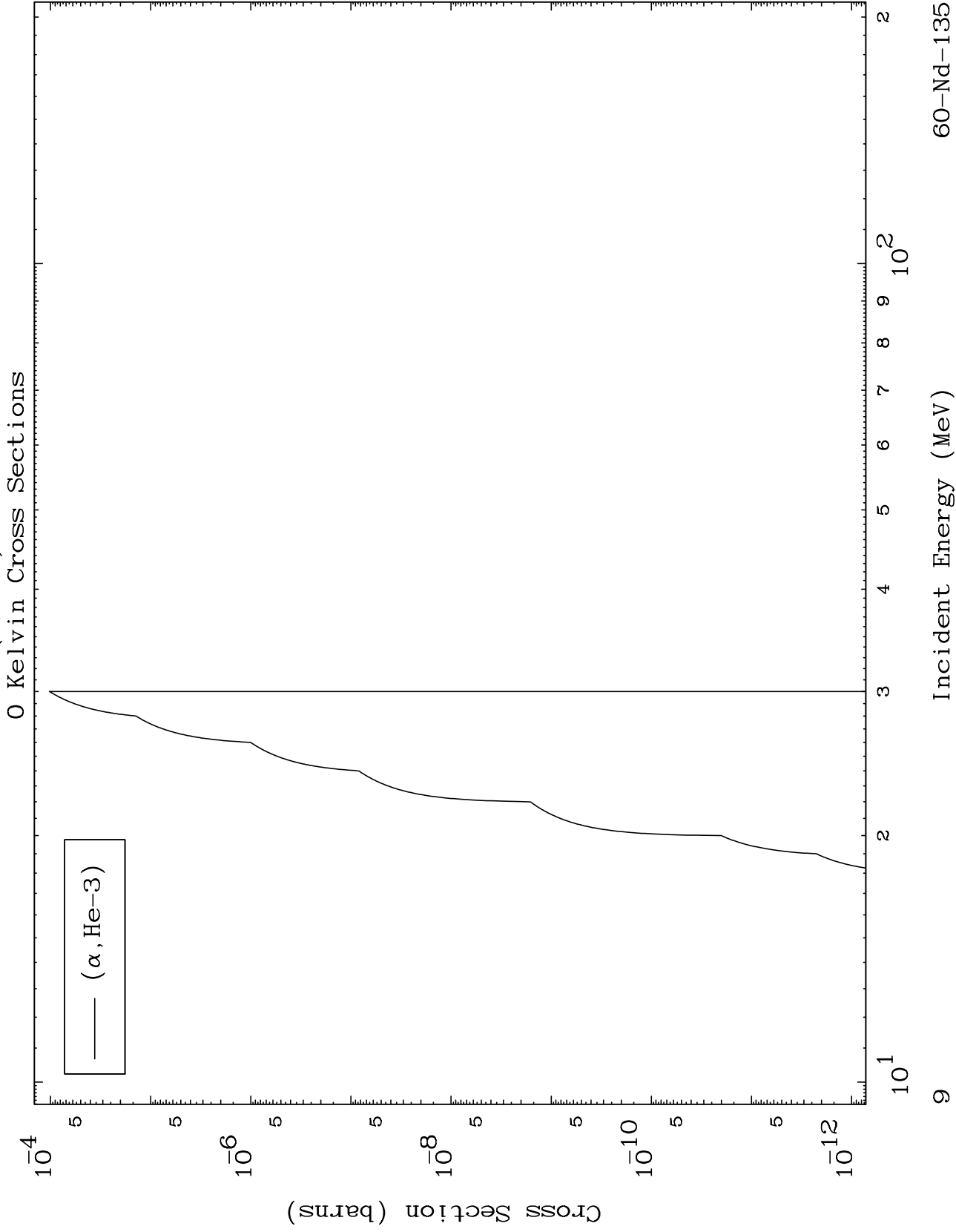
Incident Energy (MeV)

60-Nd-135

MAT 6004

(α , He3) Levels

60-Nd-135

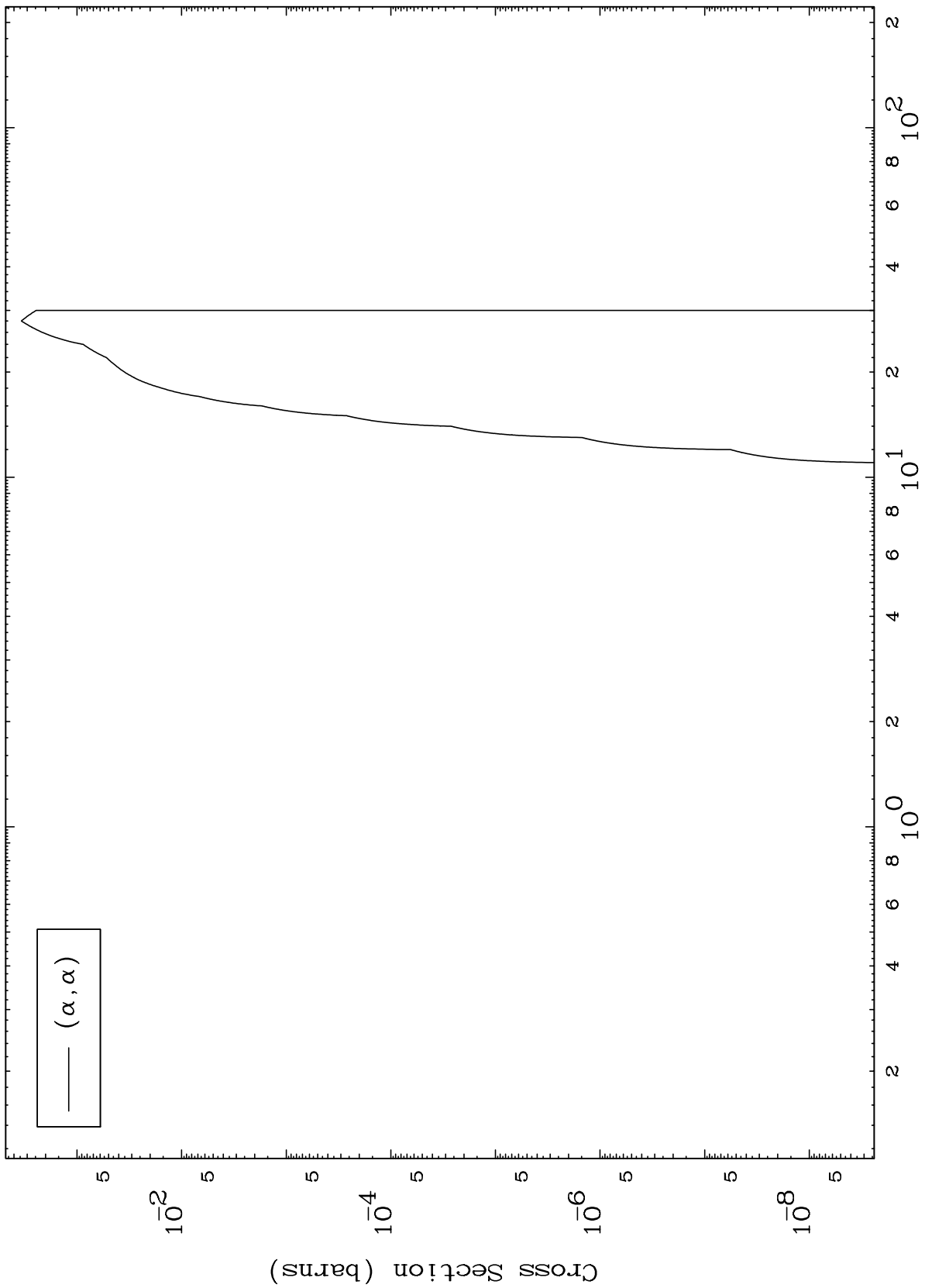


MAT 6004

(α, α) Levels

60-Nd-135

0 Kelvin Cross Sections



10

Incident Energy (MeV)

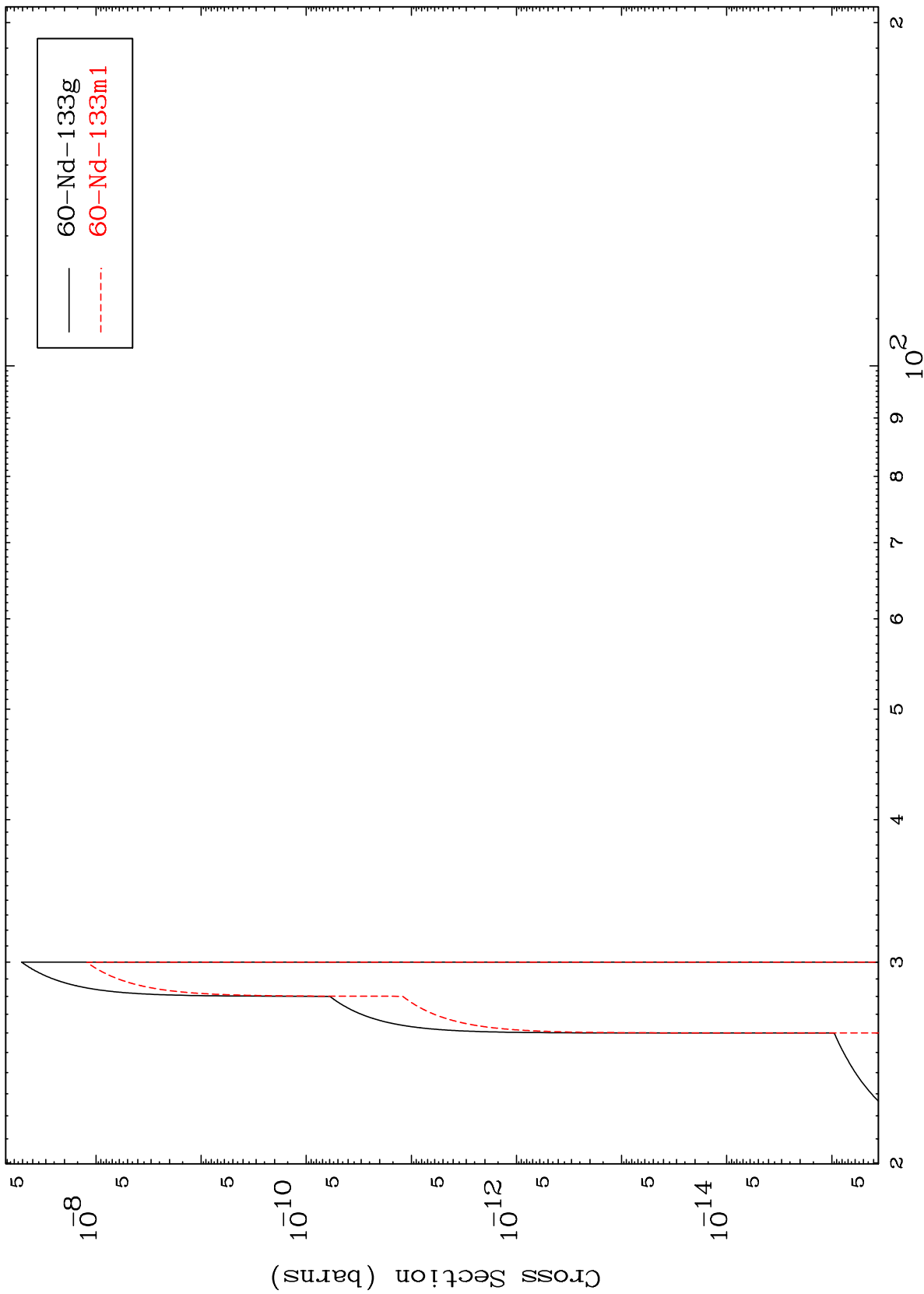
60-Nd-135

MAT 6004

$(\alpha, 2n) \alpha$

$^{60}\text{Nd-135}$

Radionuclide Production Cross Section

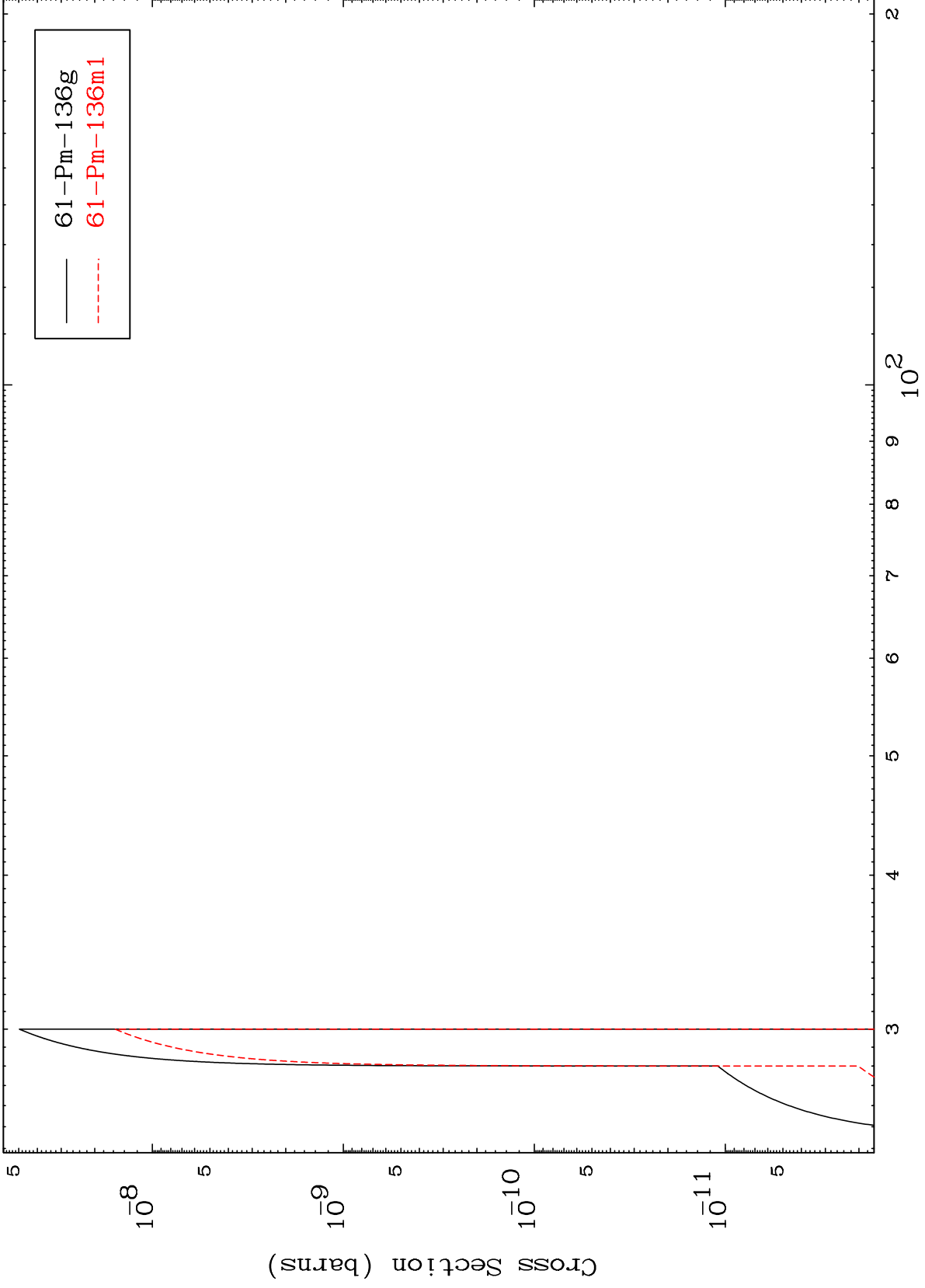


MAT 6004

(α, n') d

$^{60}\text{Nd}-135$

Radionuclide Production Cross Section



12

Incident Energy (MeV)

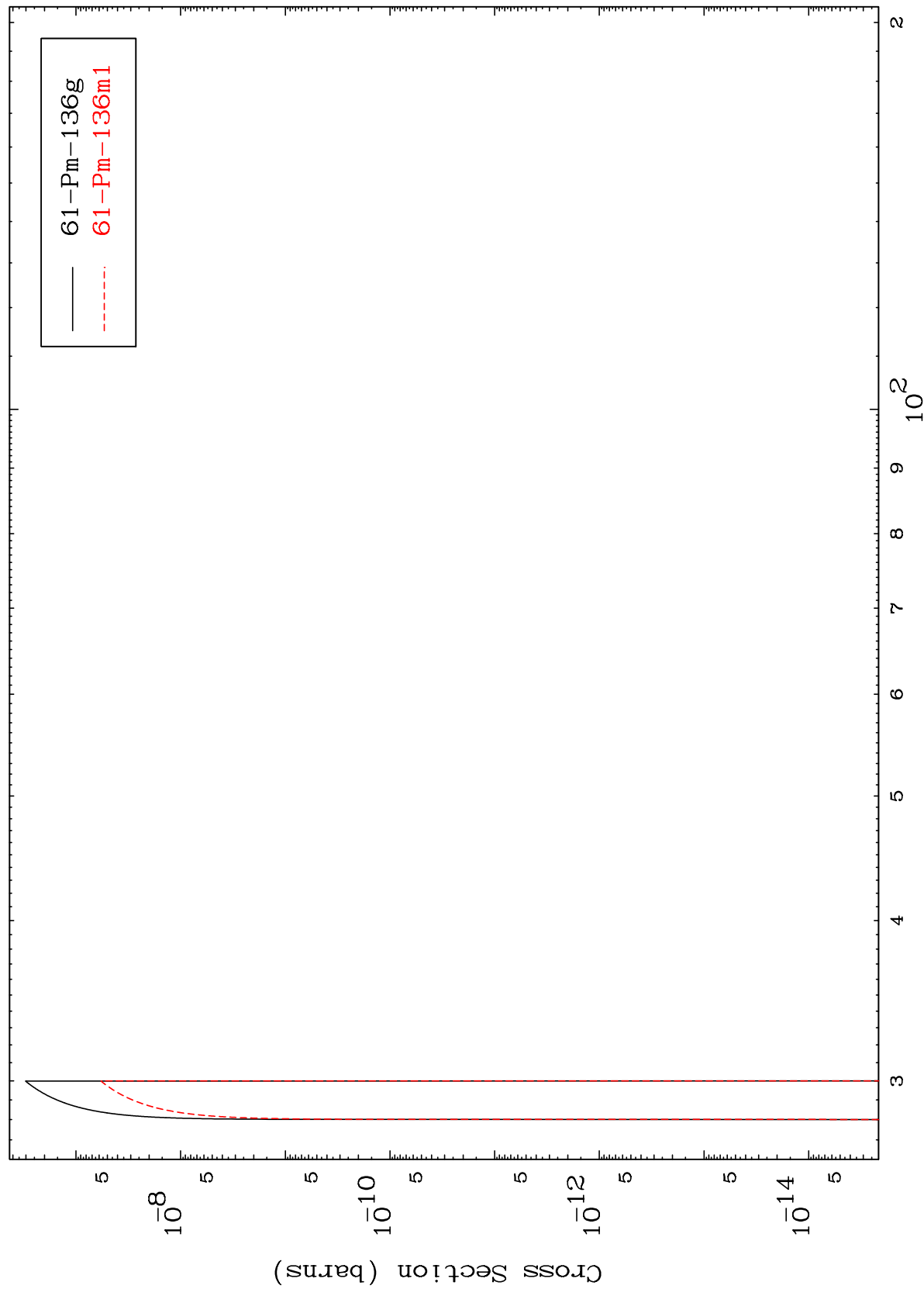
$^{60}\text{Nd}-135$

MAT 6004

$(\alpha, 2n)$ p

$^{60}\text{Nd}-135$

Radionuclide Production Cross Section



13

Incident Energy (MeV)

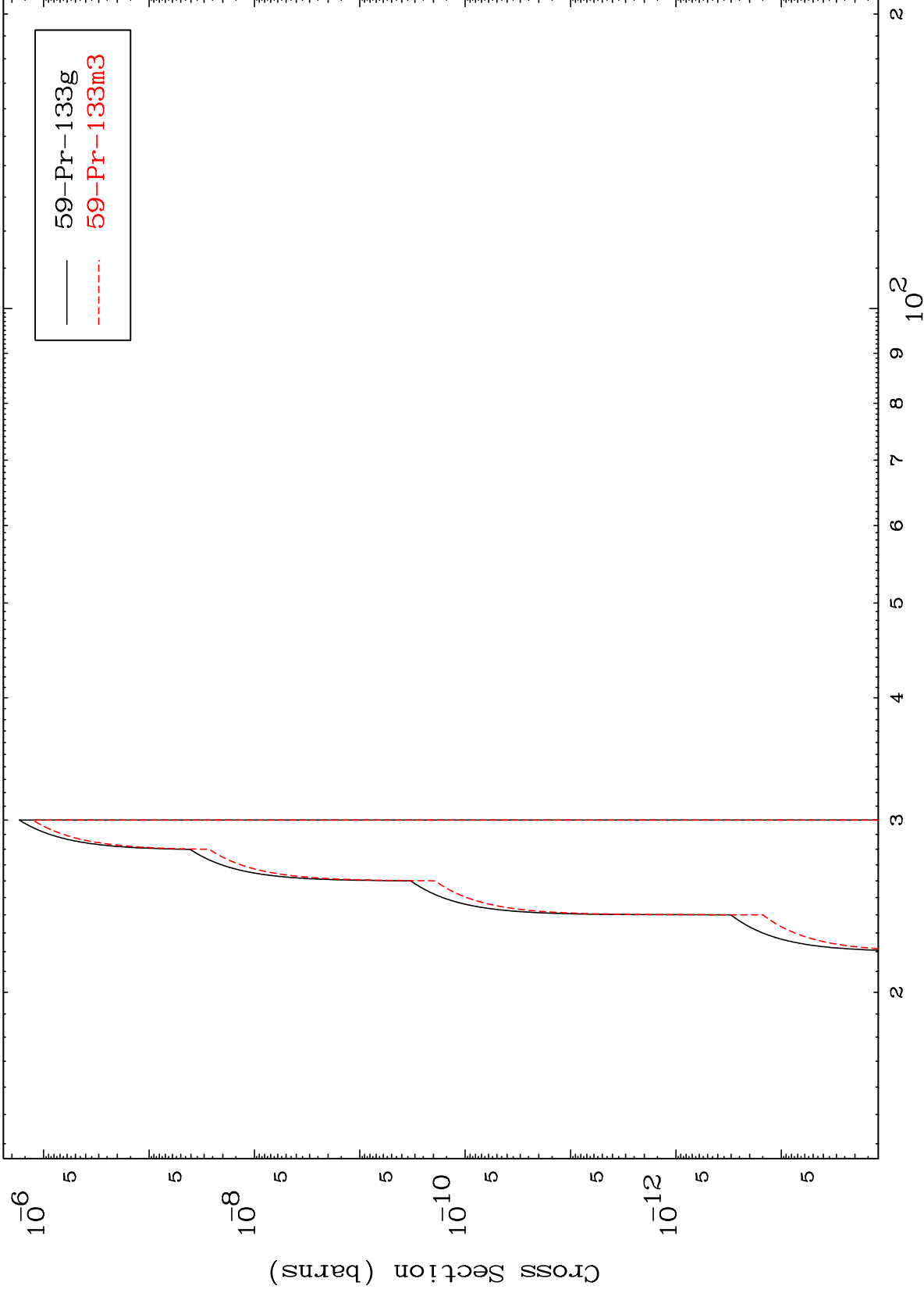
$^{60}\text{Nd}-135$

MAT 6004

(α, n') p α

60-Nd-135

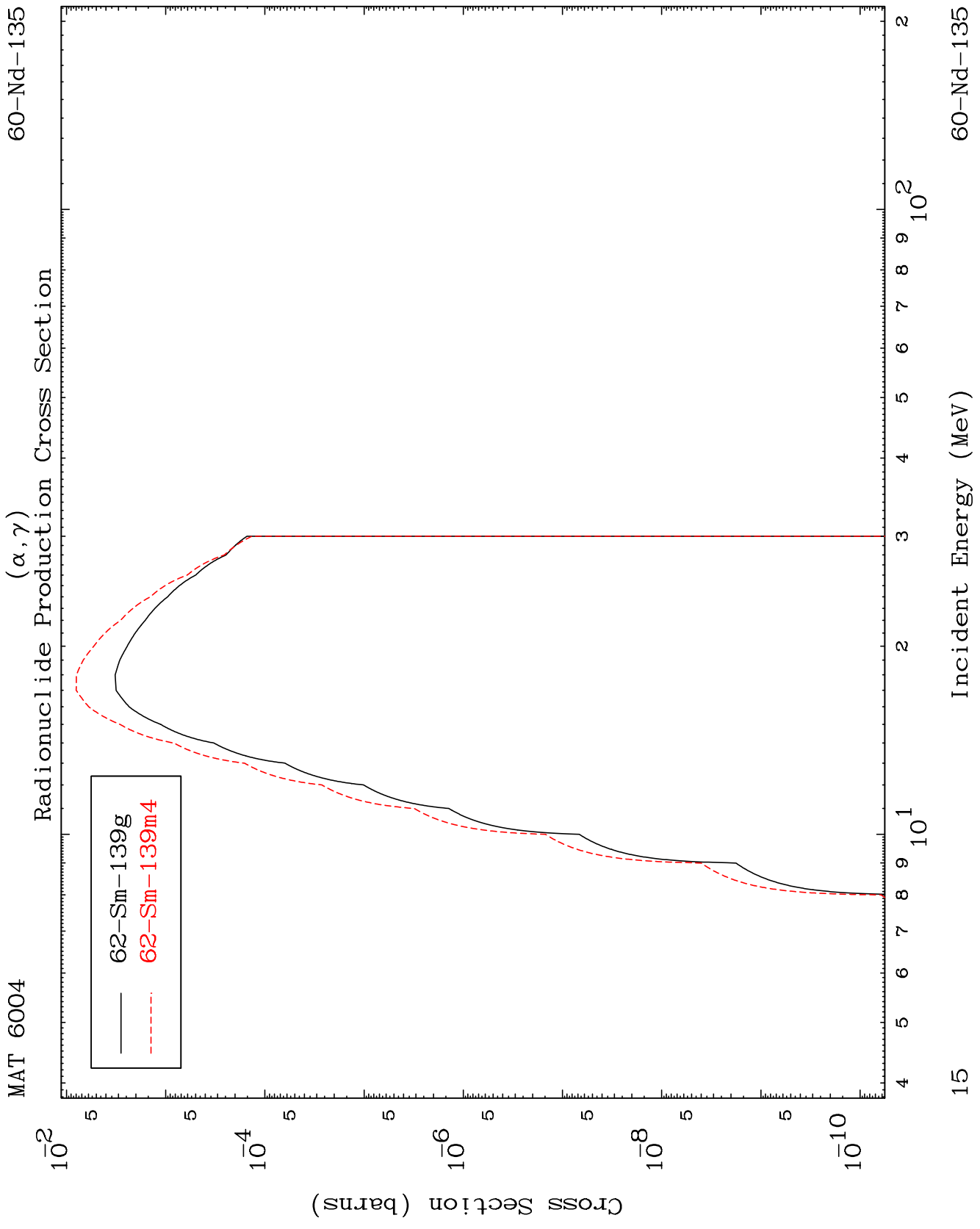
Radionuclide Production Cross Section



14

Incident Energy (MeV)

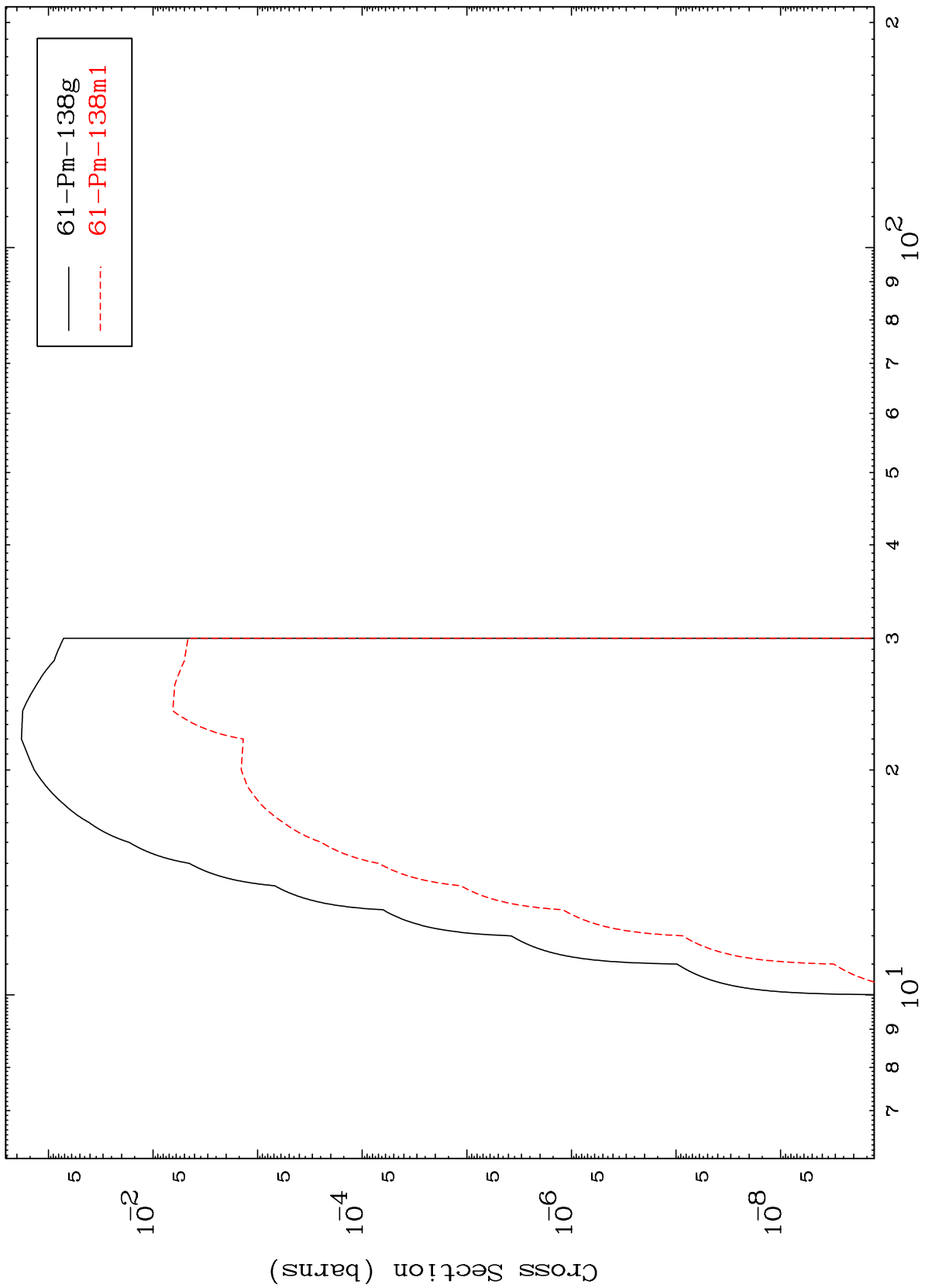
60-Nd-135



MAT 6004

60-Nd-135

(α, p)
Radionuclide Production Cross Section



16

Incident Energy (MeV)

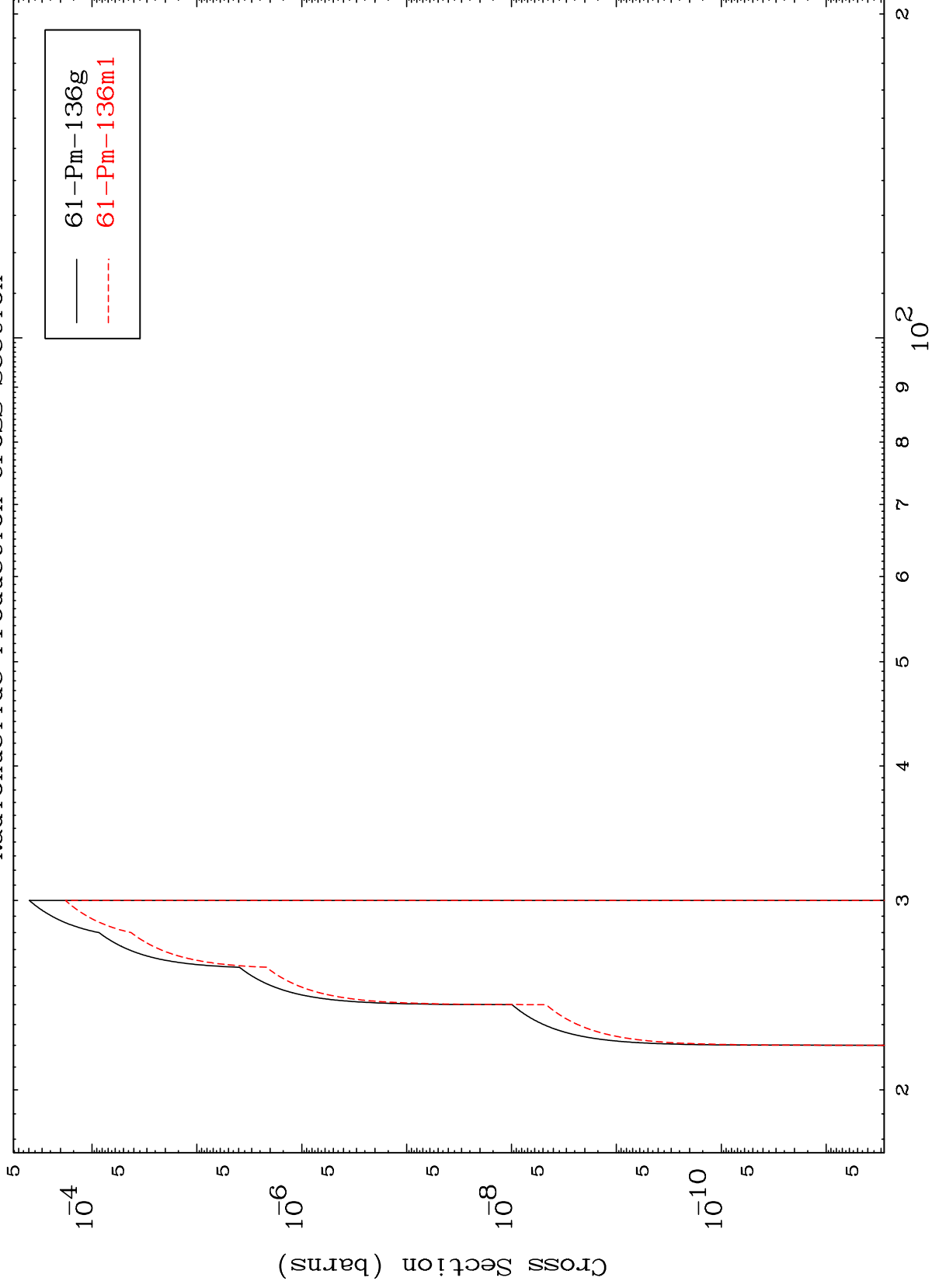
60-Nd-135

MAT 6004

(α, t)

60-Nd-135

Radionuclide Production Cross Section



17

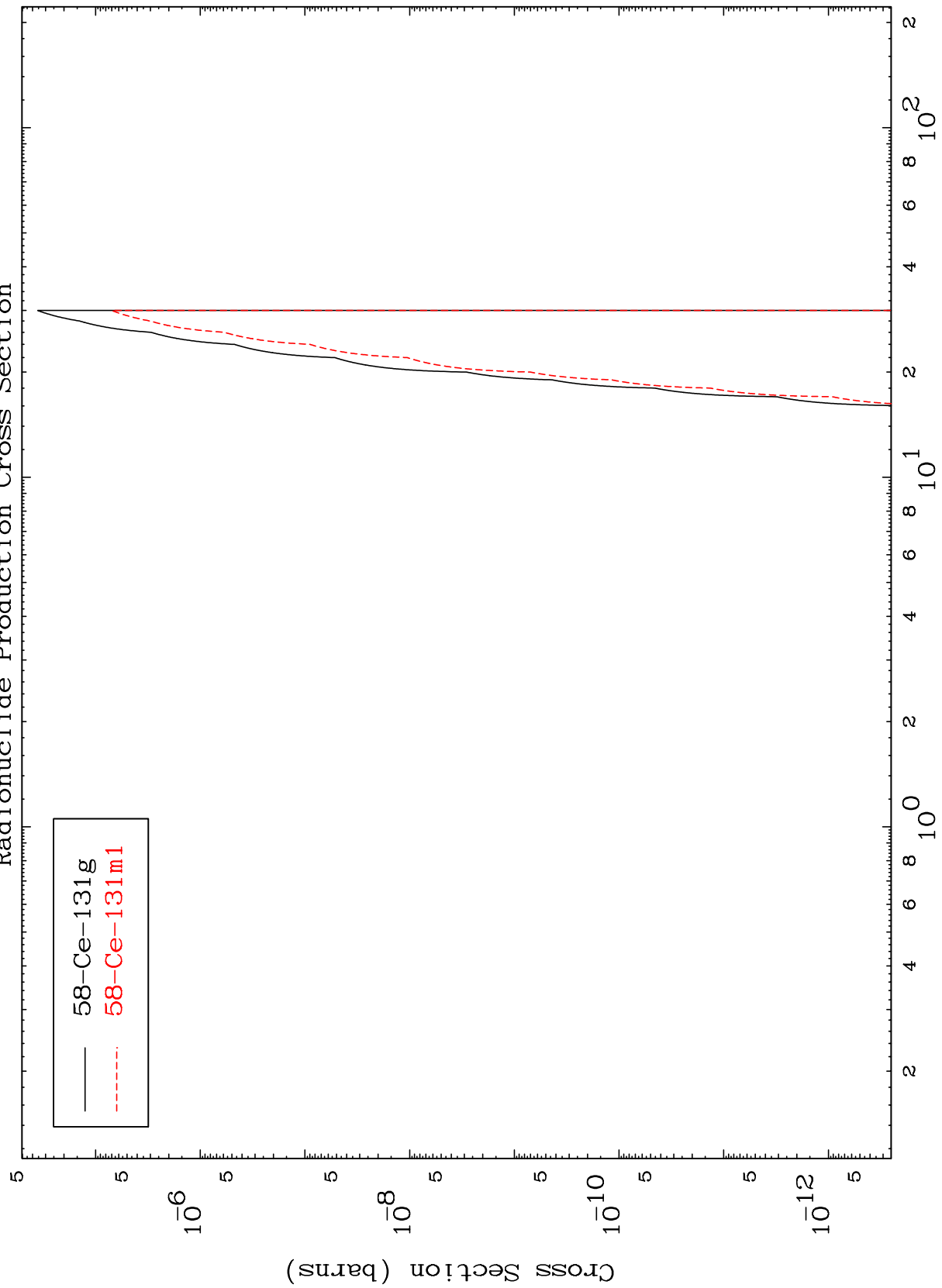
Incident Energy (MeV)

60-Nd-135

MAT 6004

60-Nd-135

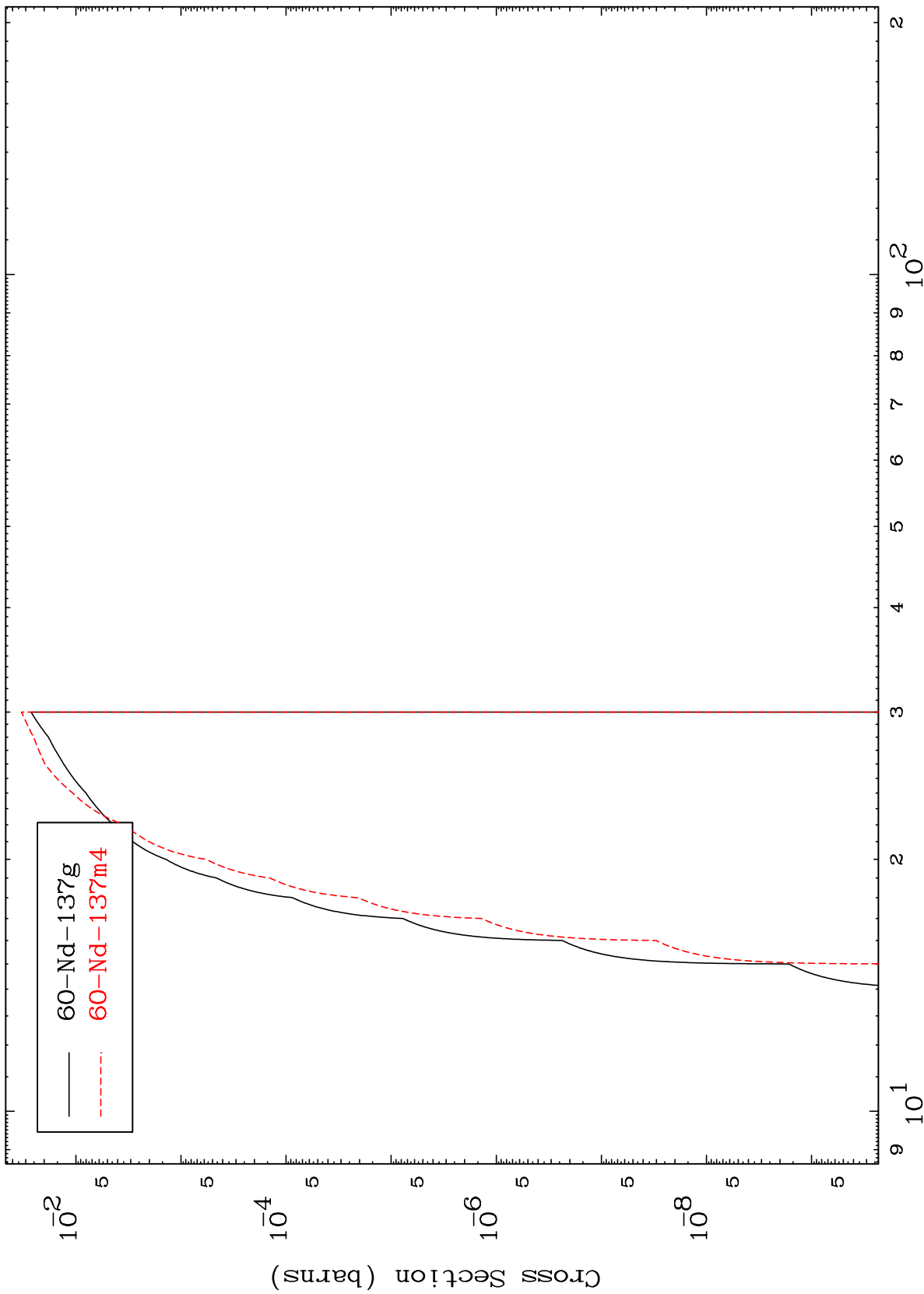
Radionuclide Production Cross Section
($\alpha, 2\alpha$)



MAT 6004

60-Nd-135

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



60-Nd-135

Incident Energy (MeV)

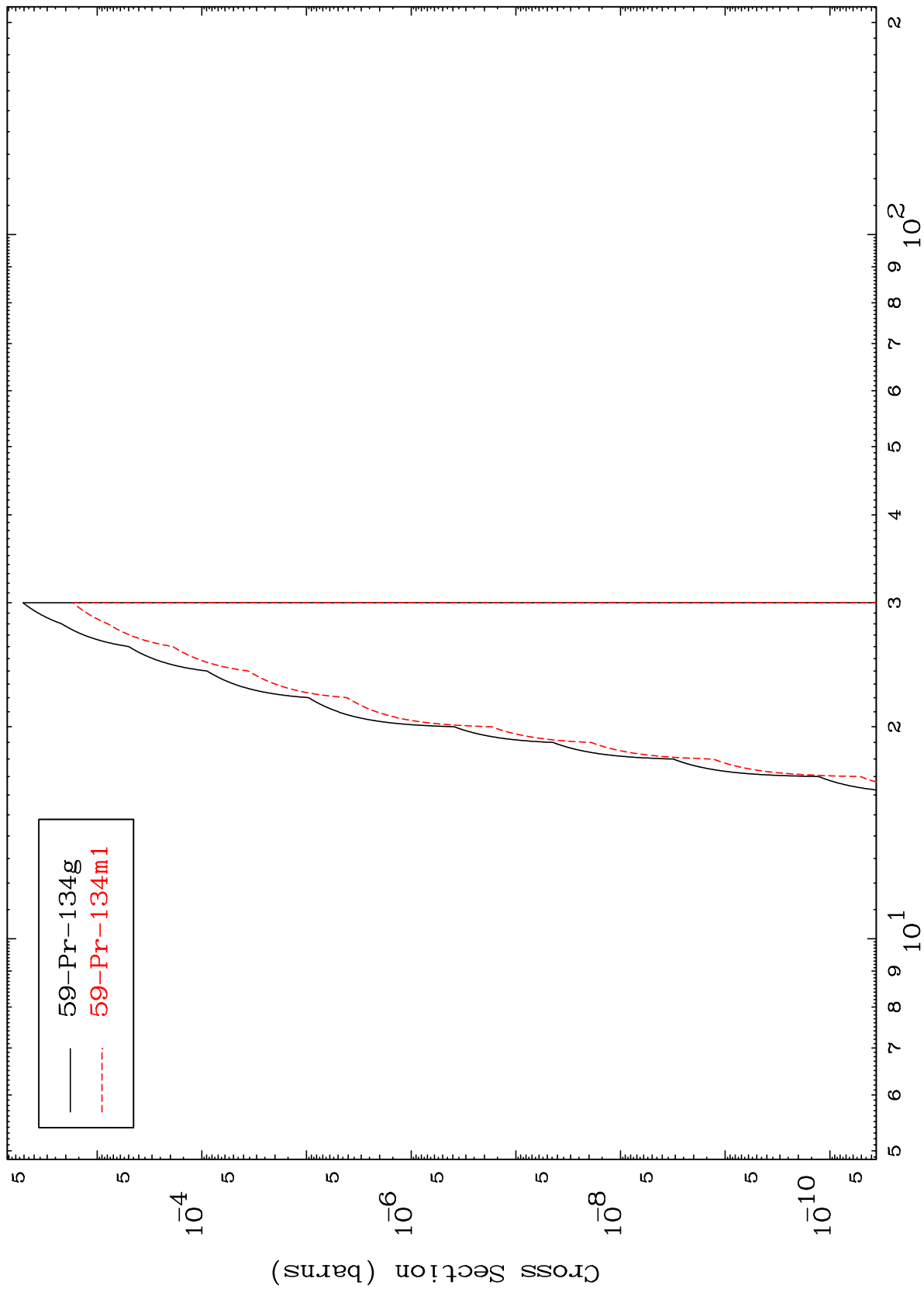
19

MAT 6004

(α, p) α

60-Nd-135

Radionuclide Production Cross Section



Incident Energy (MeV)

60-Nd-135

20

MAT 6004

(α, d) α

60-Nd-135

Radionuclide Production Cross Section

