

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

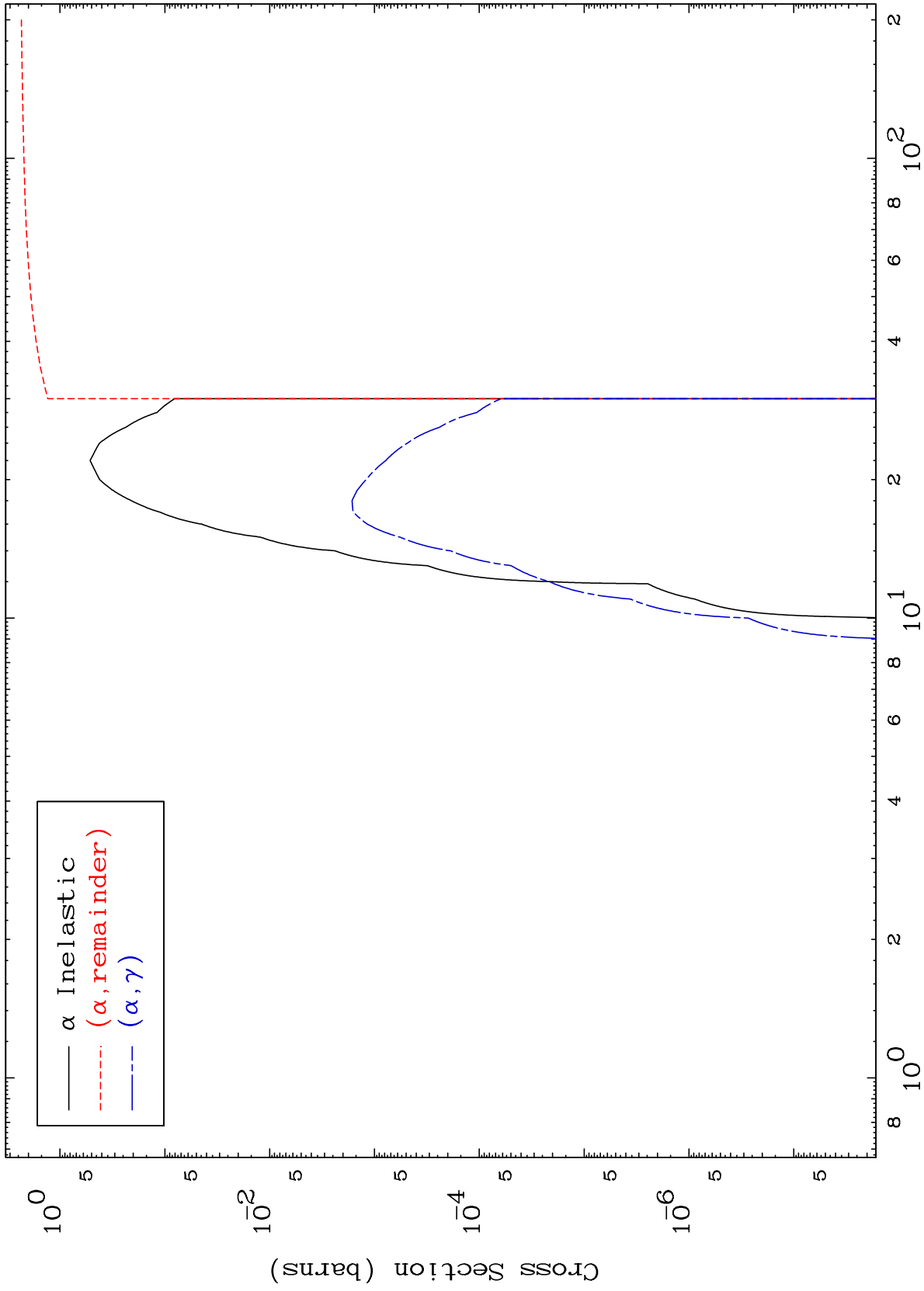
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6011

0 Kelvin α Major
Cross Sections

60-Nd-137



1

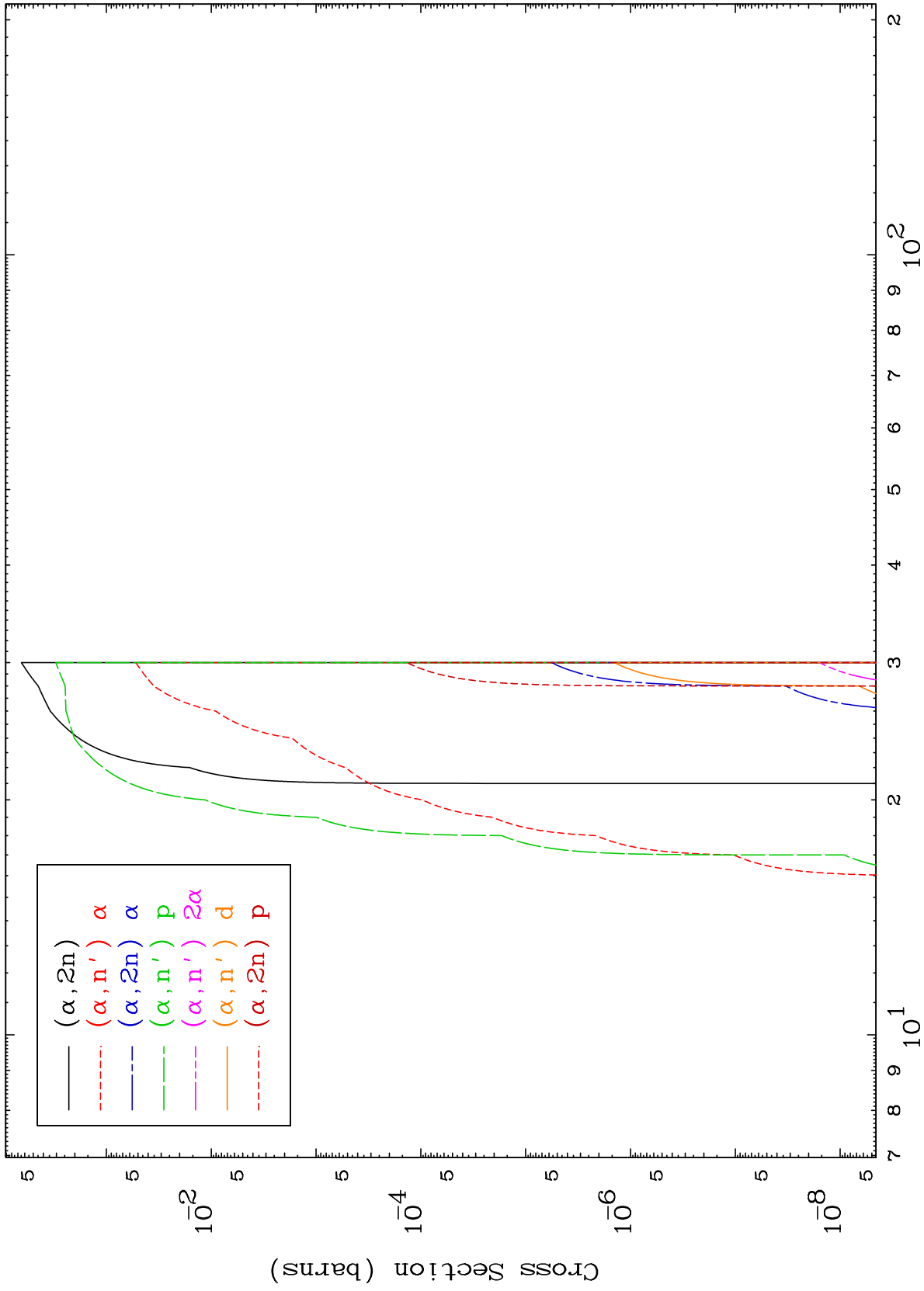
Incident Energy (MeV)

60-Nd-137

MAT 6011

α Neutron Production
0 Kelvin Cross Sections

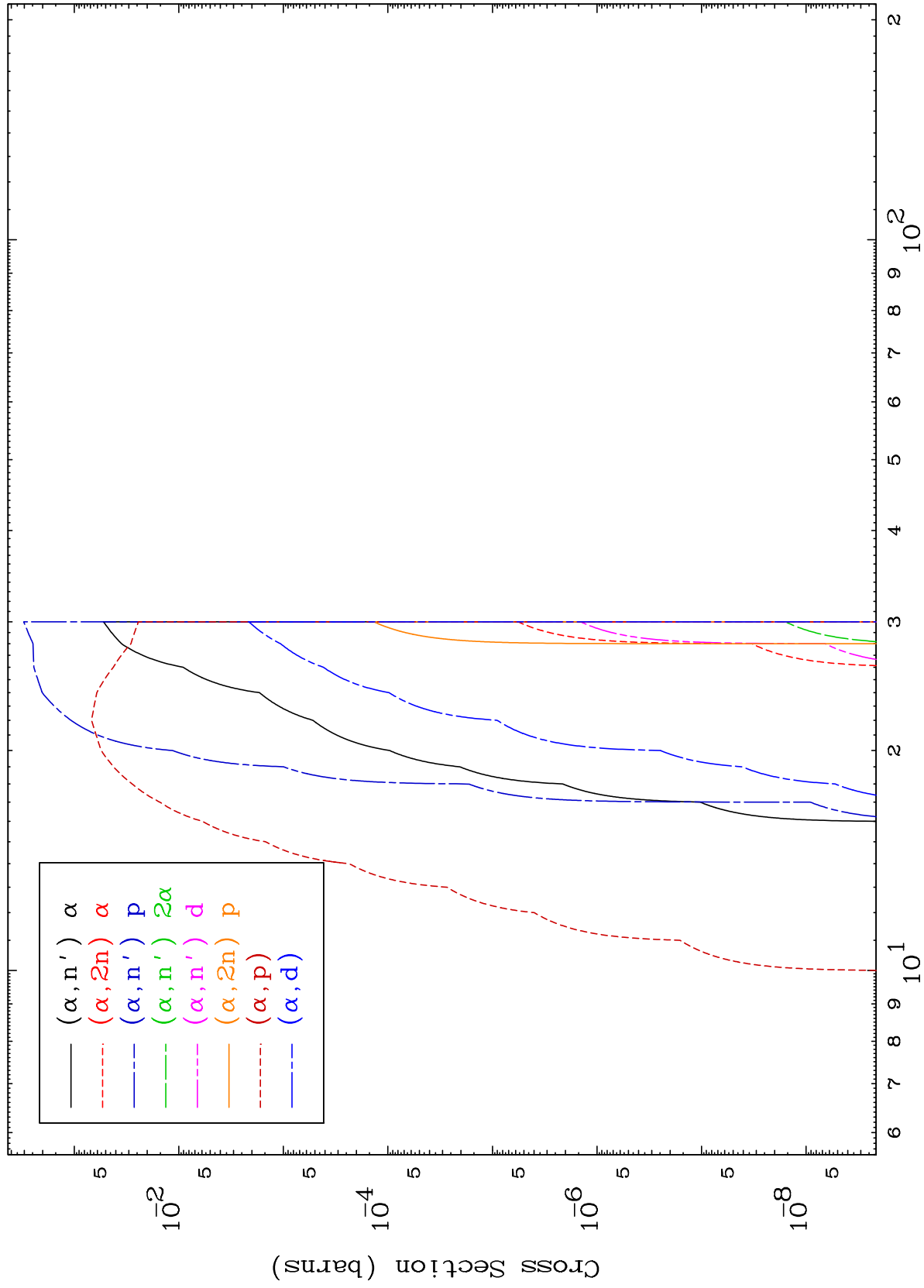
60-Nd-137



2

Incident Energy (MeV)

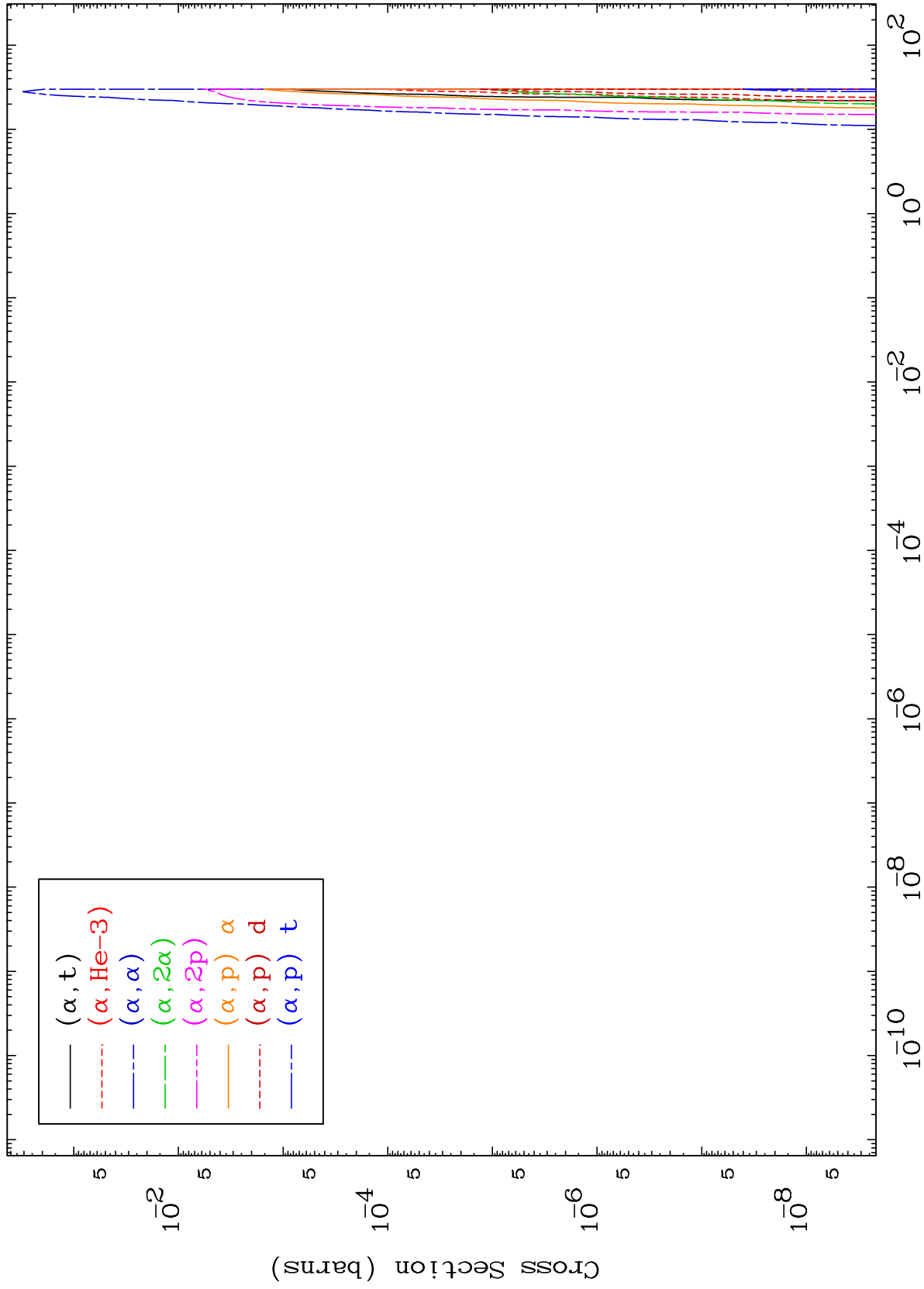
60-Nd-137



MAT 6011

α Charged Particle
0 Kelvin Cross Sections

60-Nd-137

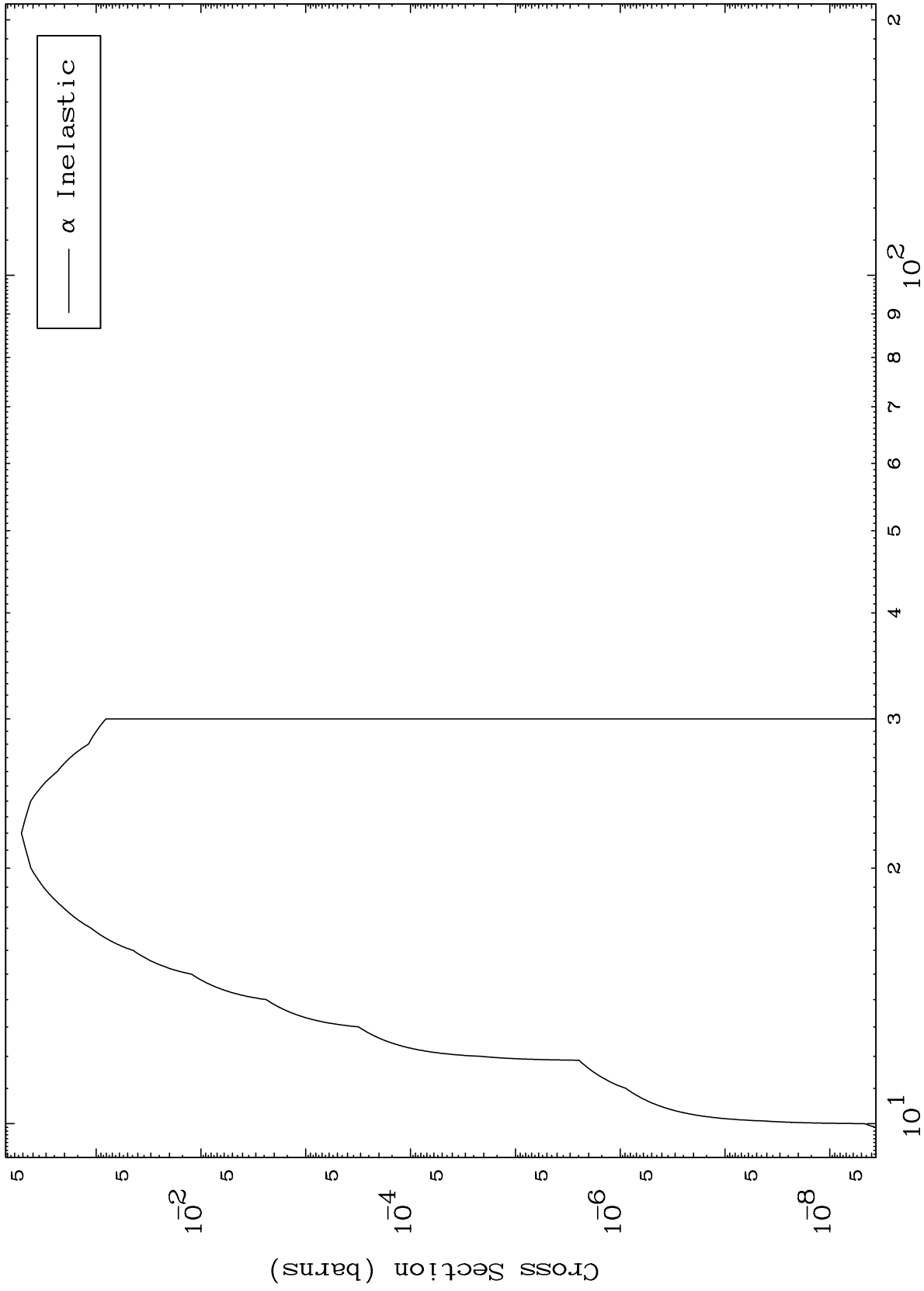


60-Nd-137

MAT 6011

(α, n') Level
0 Kelvin Cross Sections

60-Nd-137



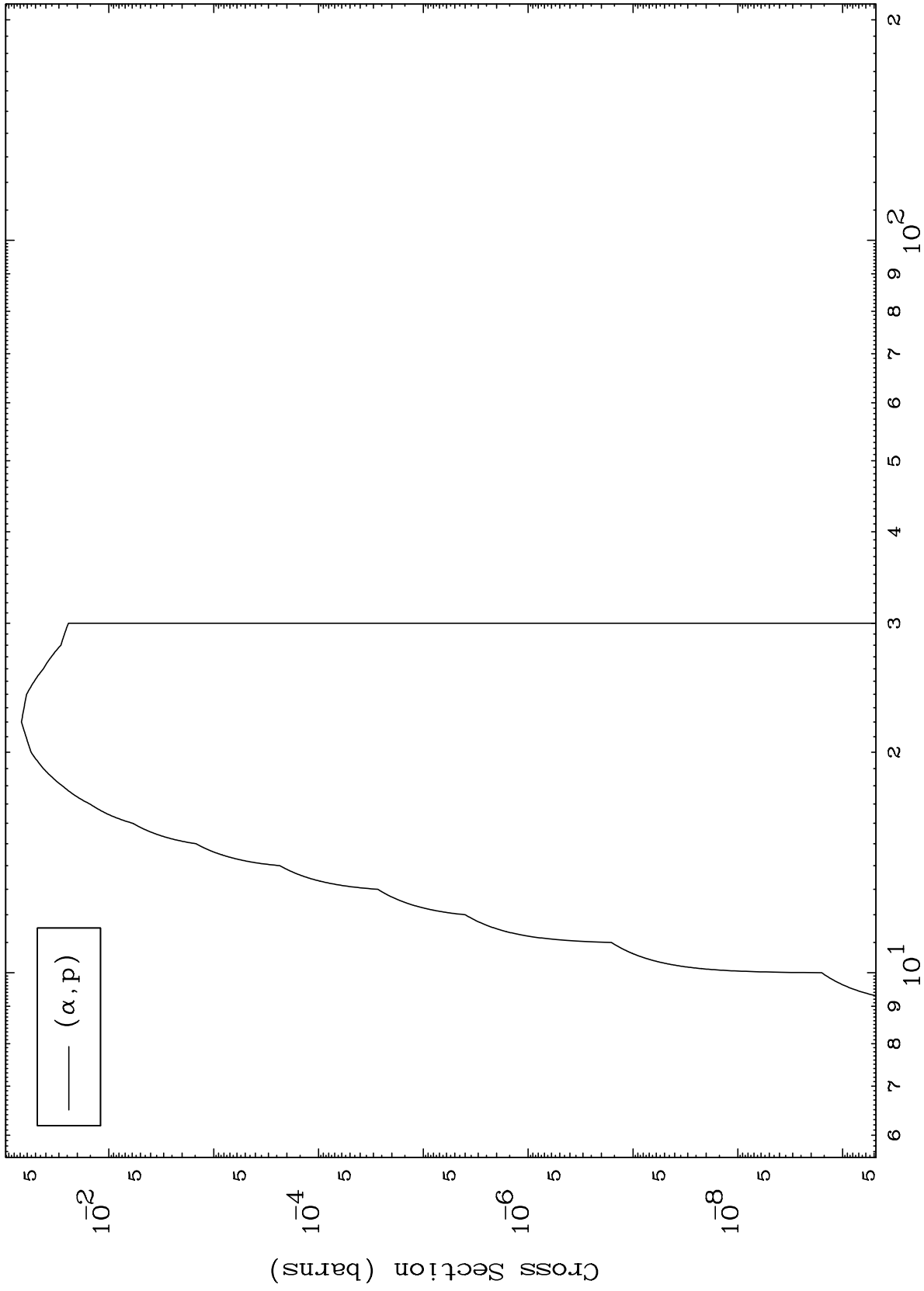
Incident Energy (MeV)

60-Nd-137

MAT 6011

(α, p) Levels
0 Kelvin Cross Sections

60-Nd-137



6

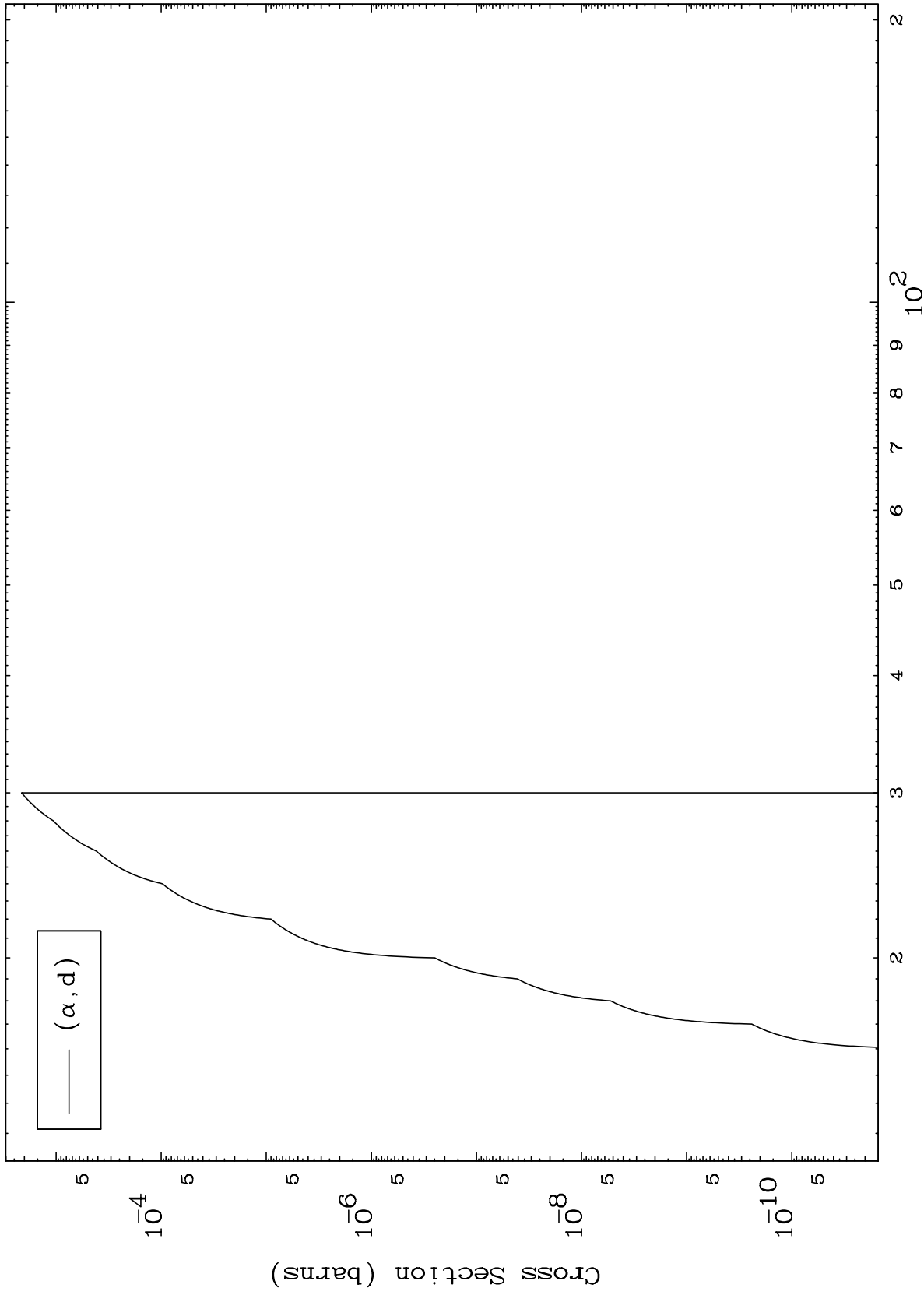
Incident Energy (MeV)

60-Nd-137

MAT 6011

(α, d) Levels
0 Kelvin Cross Sections

60-Nd-137



7

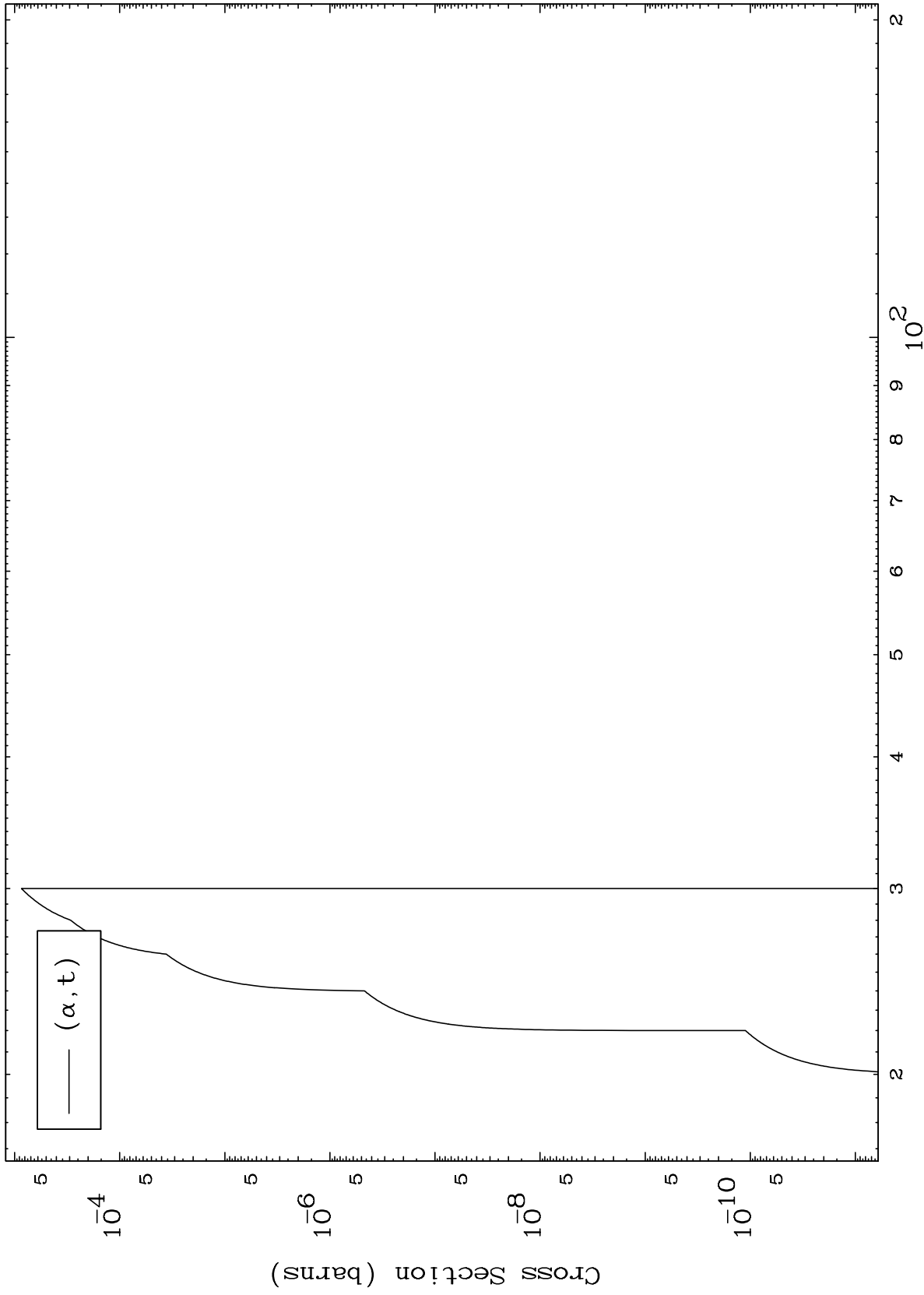
Incident Energy (MeV)

60-Nd-137

MAT 6011

(α, t) Levels
0 Kelvin Cross Sections

60-Nd-137



8

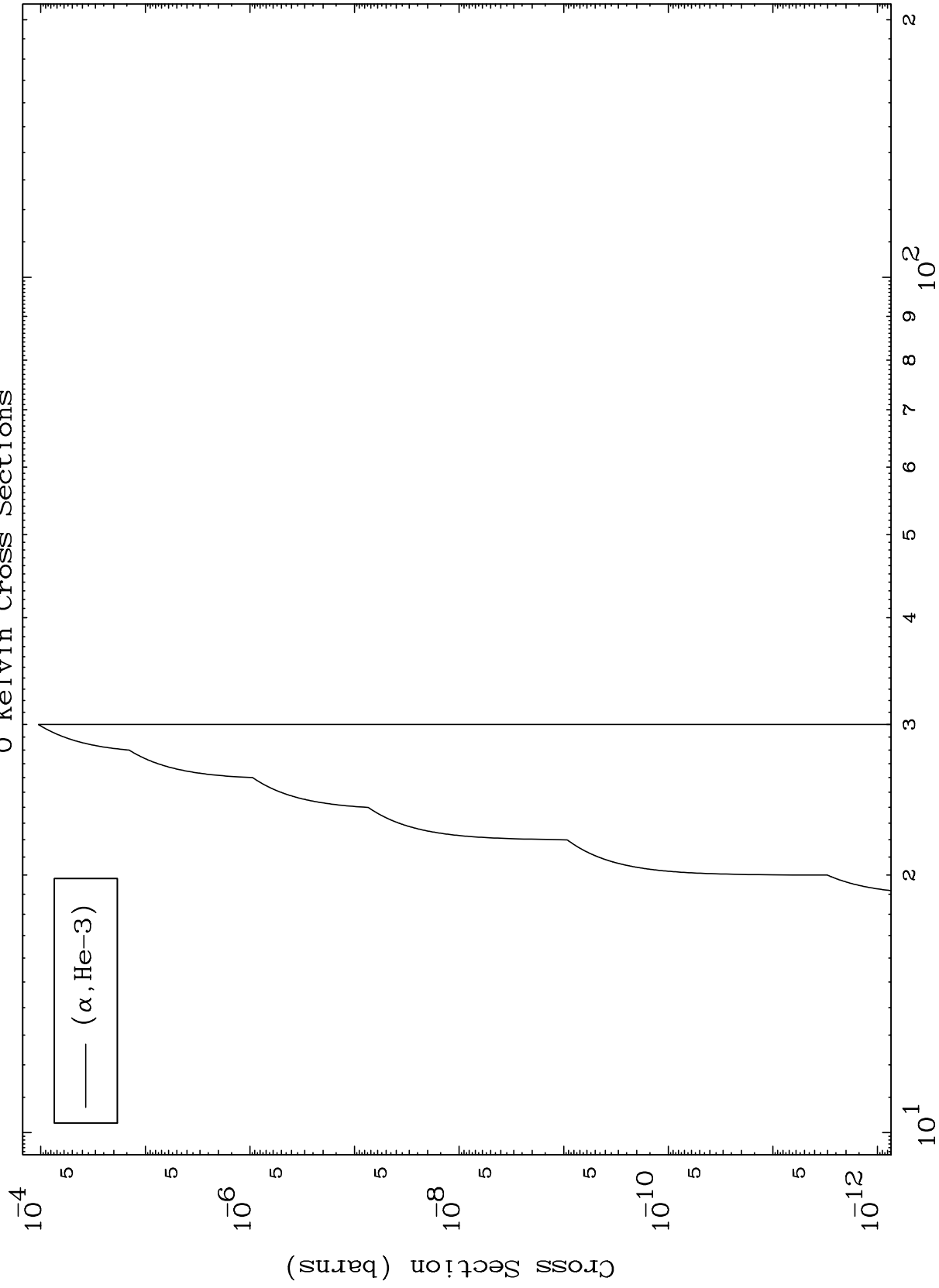
Incident Energy (MeV)

60-Nd-137

MAT 6011

(α ,He3) Levels
0 Kelvin Cross Sections

60-Nd-137



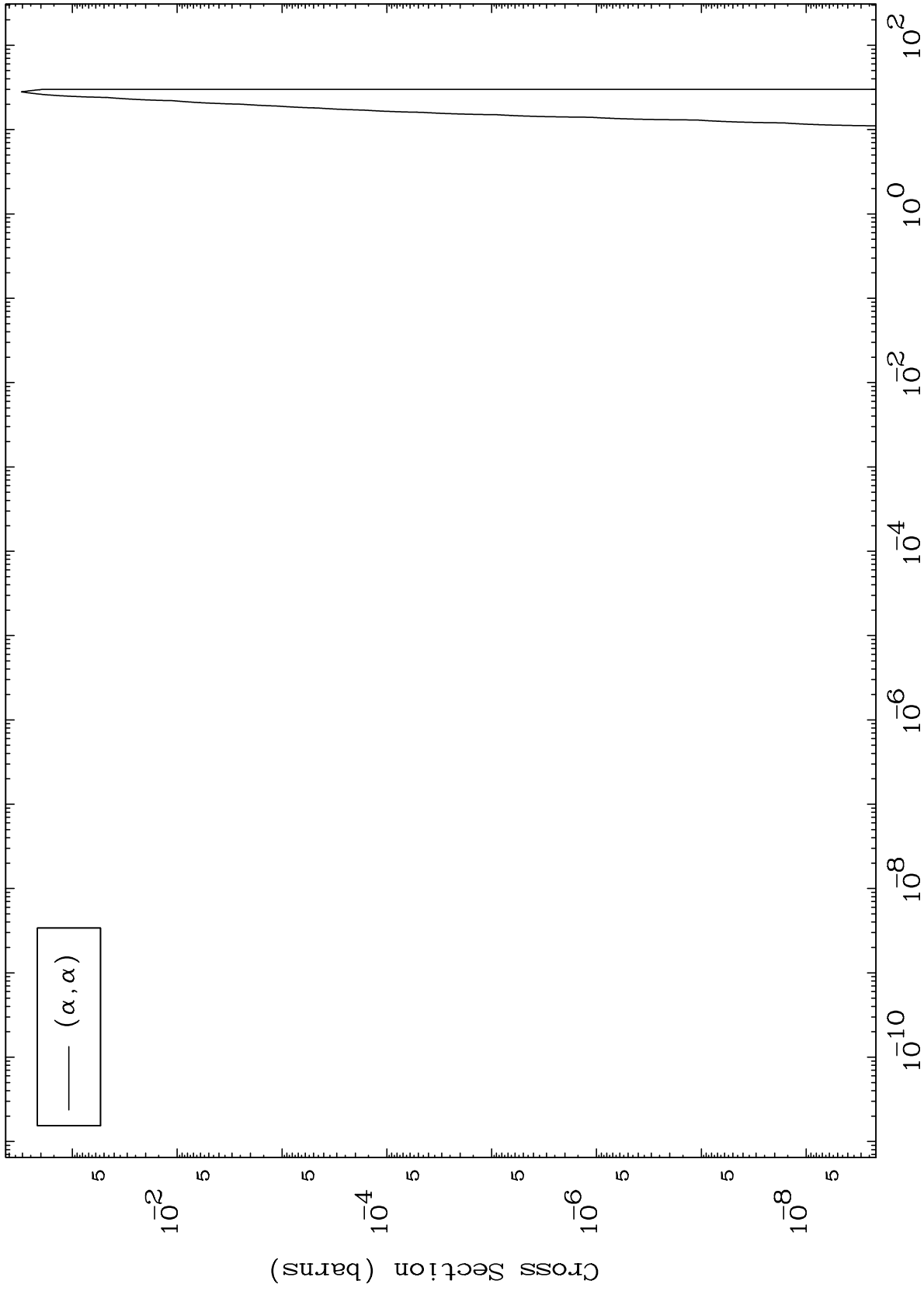
Incident Energy (MeV)

60-Nd-137

MAT 6011

(α, α) Levels
0 Kelvin Cross Sections

60-Nd-137



10

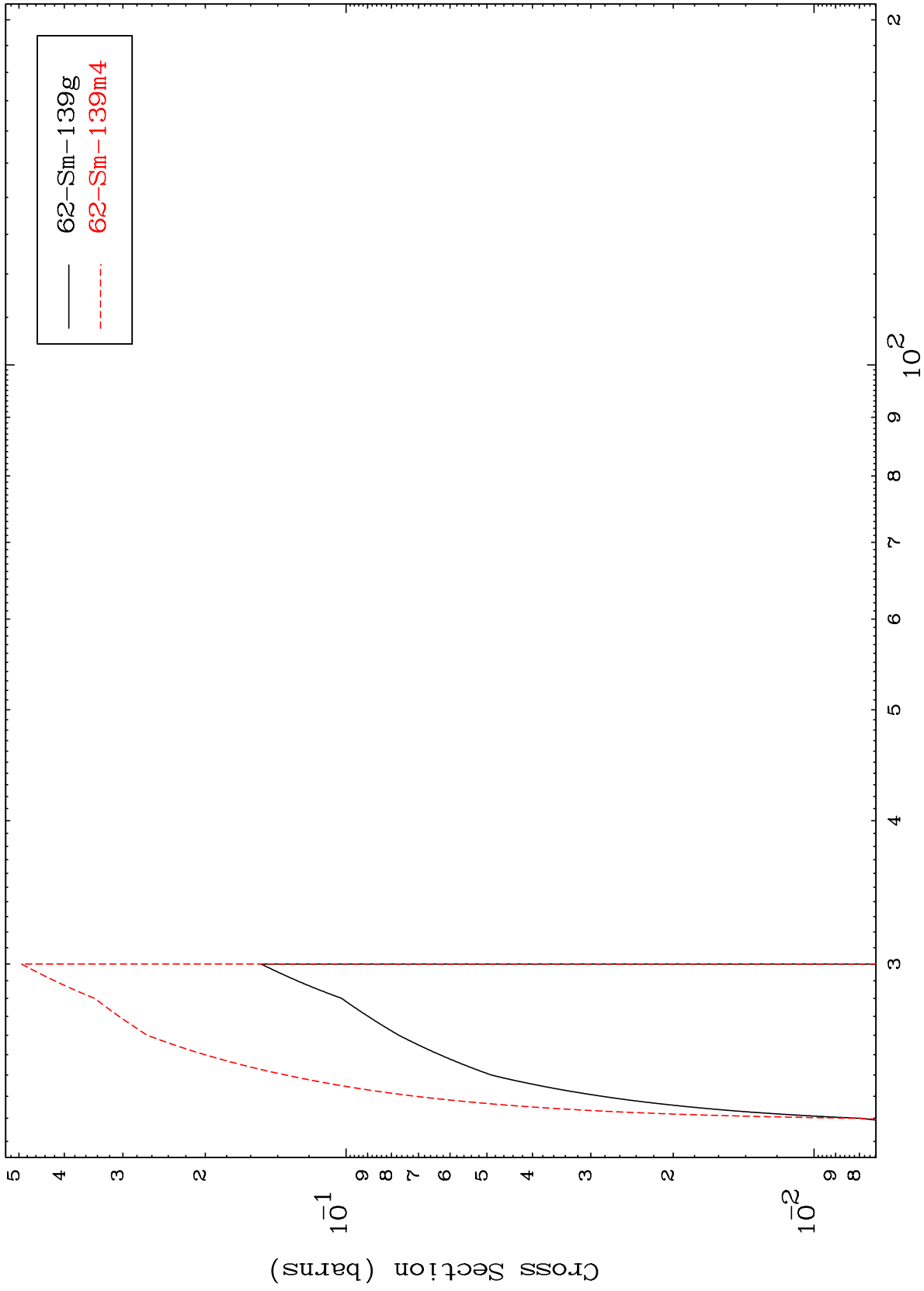
Incident Energy (MeV)

60-Nd-137

MAT 6011

60-Nd-137

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



11

Incident Energy (MeV)

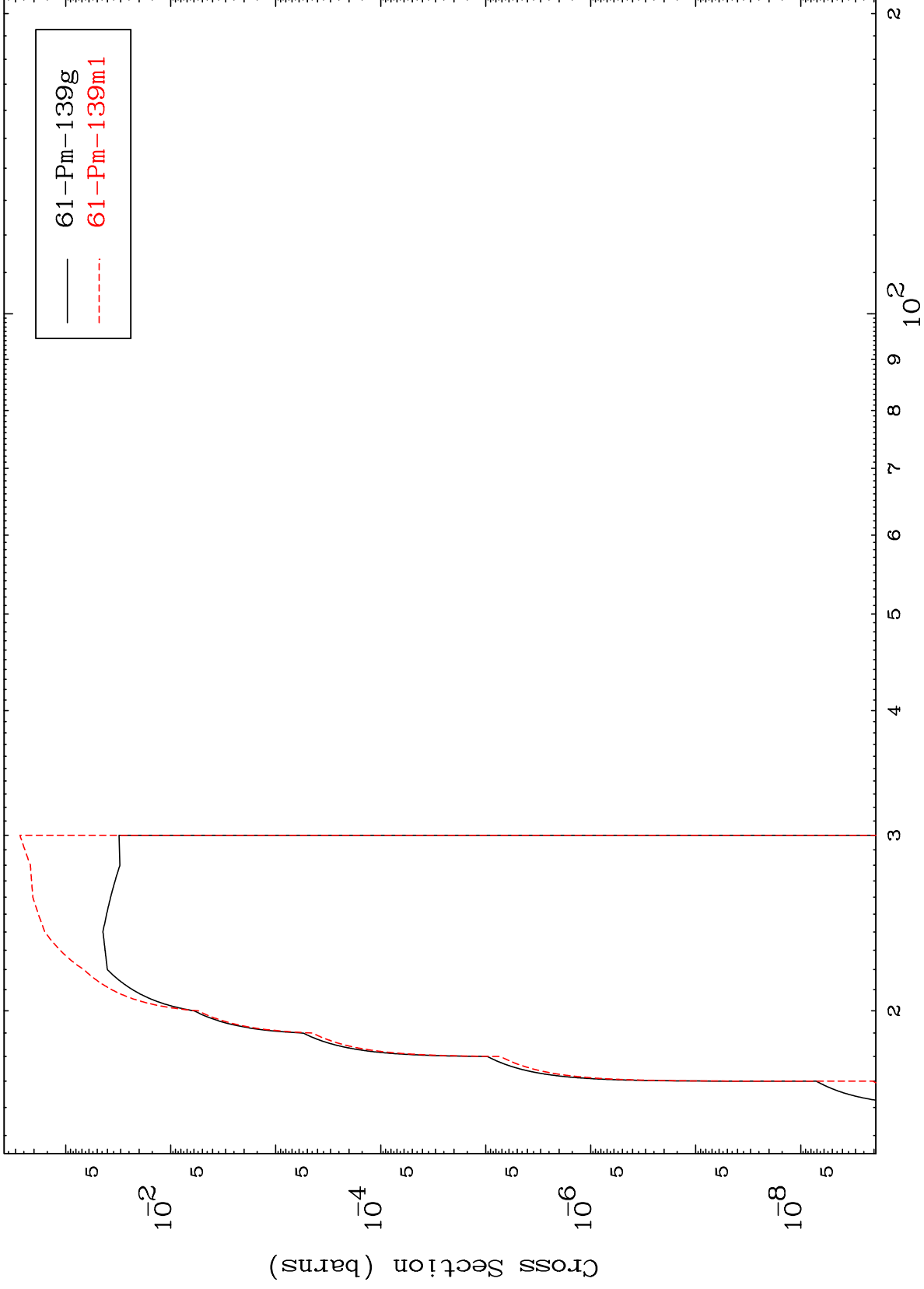
60-Nd-137

MAT 6011

(α, n') p

$^{60}\text{Nd}-^{137}$

Radionuclide Production Cross Section



12

Incident Energy (MeV)

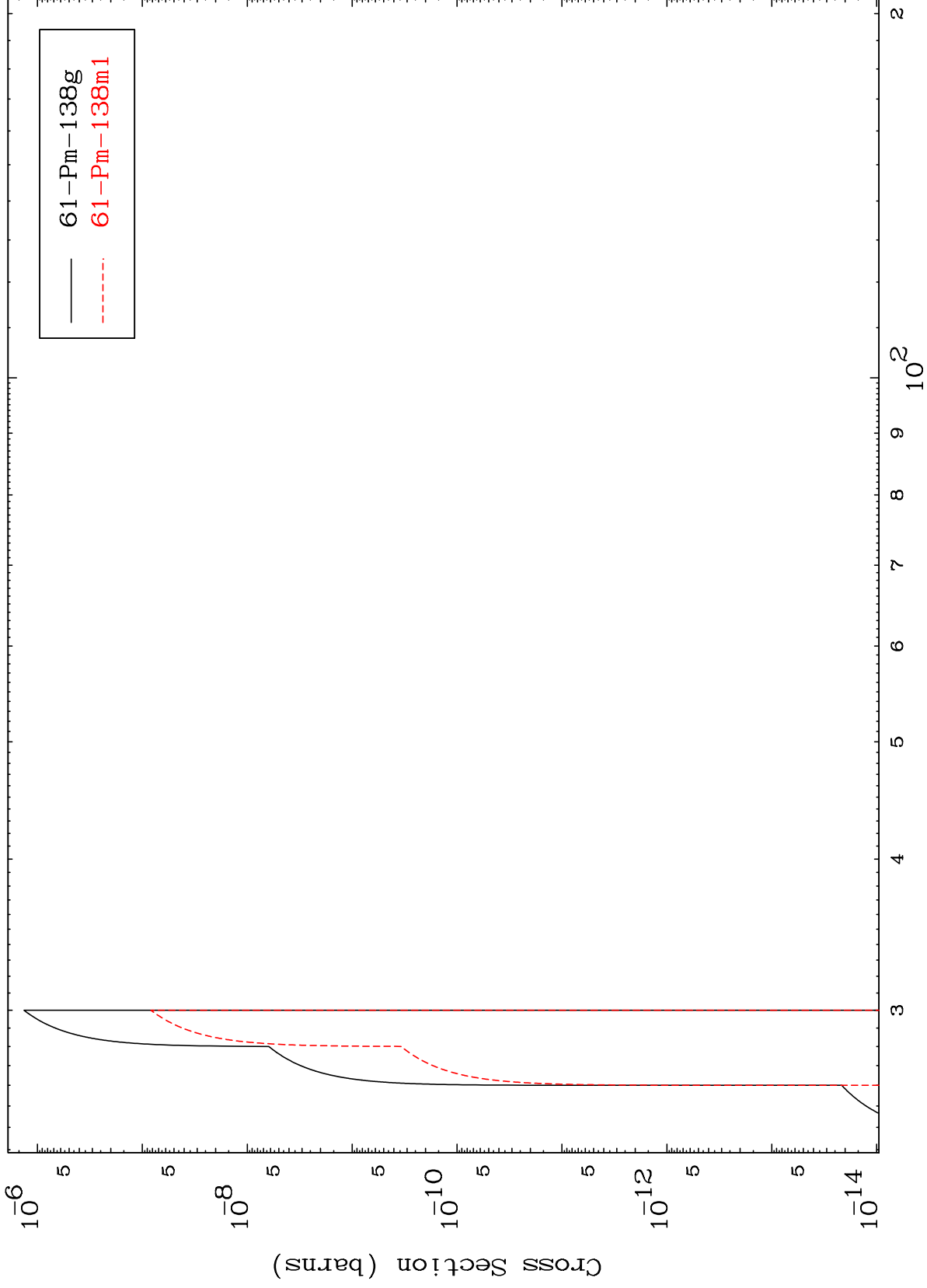
$^{60}\text{Nd}-^{137}$

MAT 6011

(α, n') d

60-Nd-137

Radionuclide Production Cross Section



13

Incident Energy (MeV)

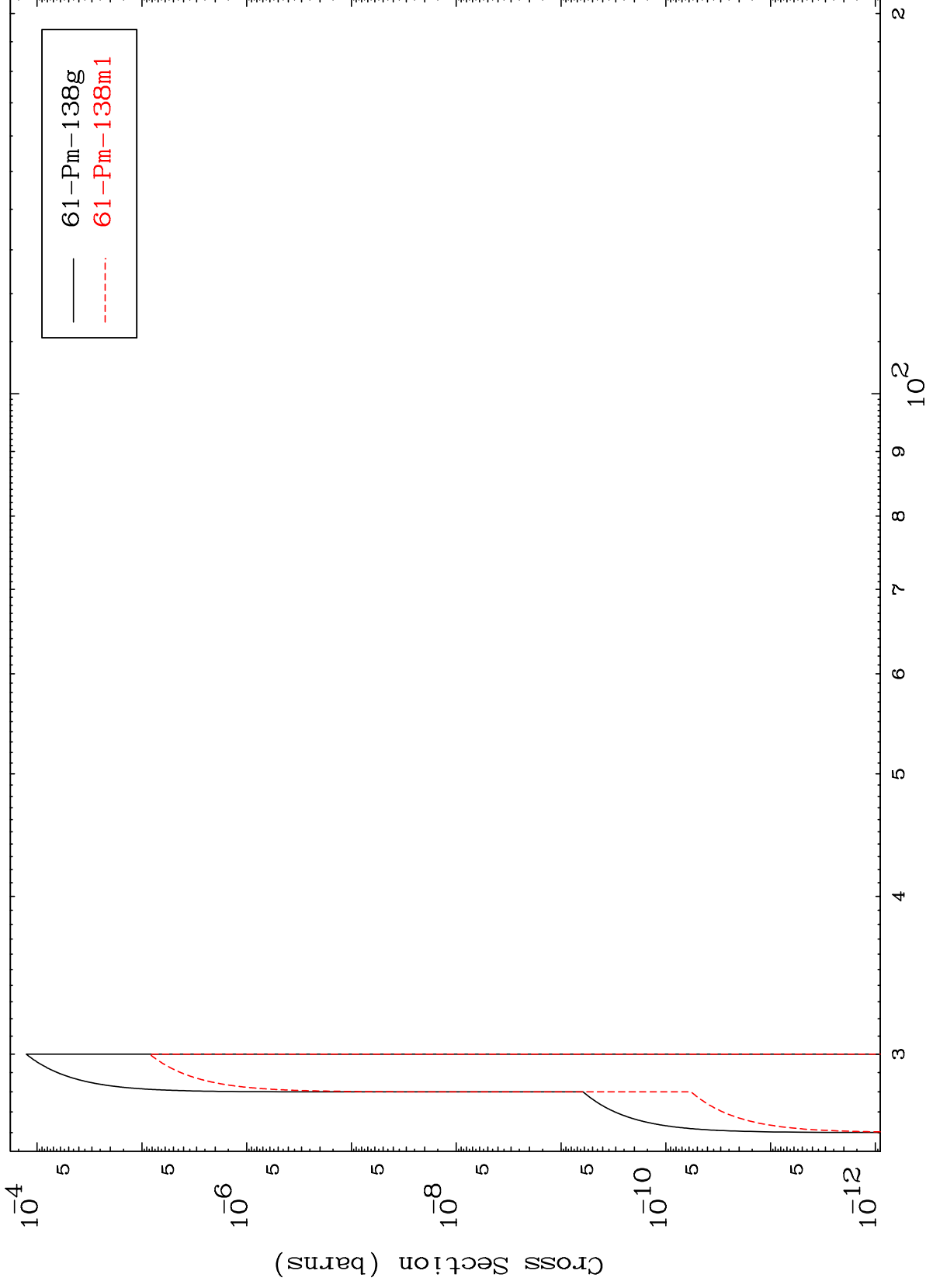
60-Nd-137

MAT 6011

($\alpha, 2n$) p

$^{60}\text{Nd}-137$

Radionuclide Production Cross Section



14

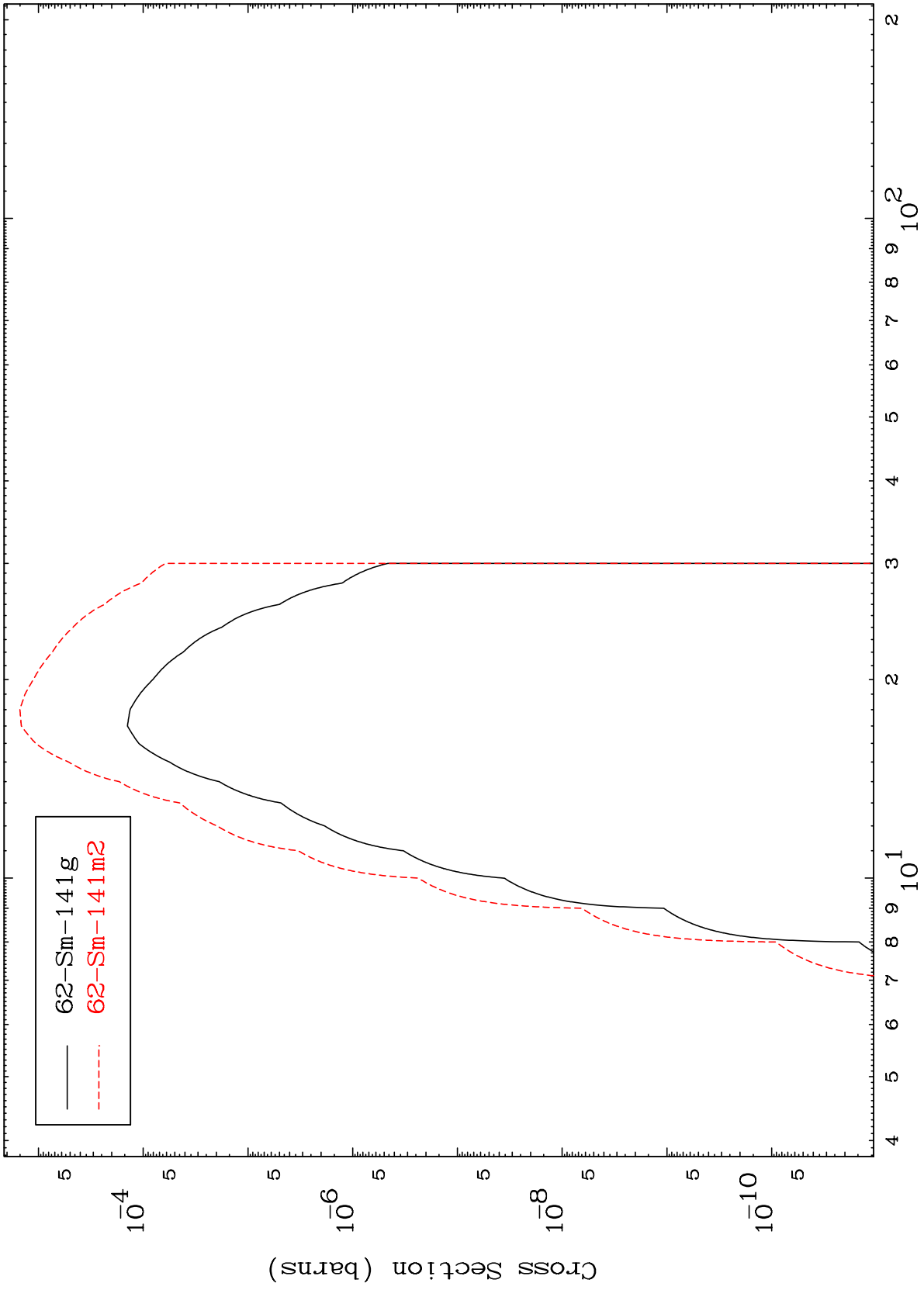
Incident Energy (MeV)

$^{60}\text{Nd}-137$

MAT 6011

Radionuclide Production Cross Section
(α, γ)

$^{60}\text{Nd}-137$



15

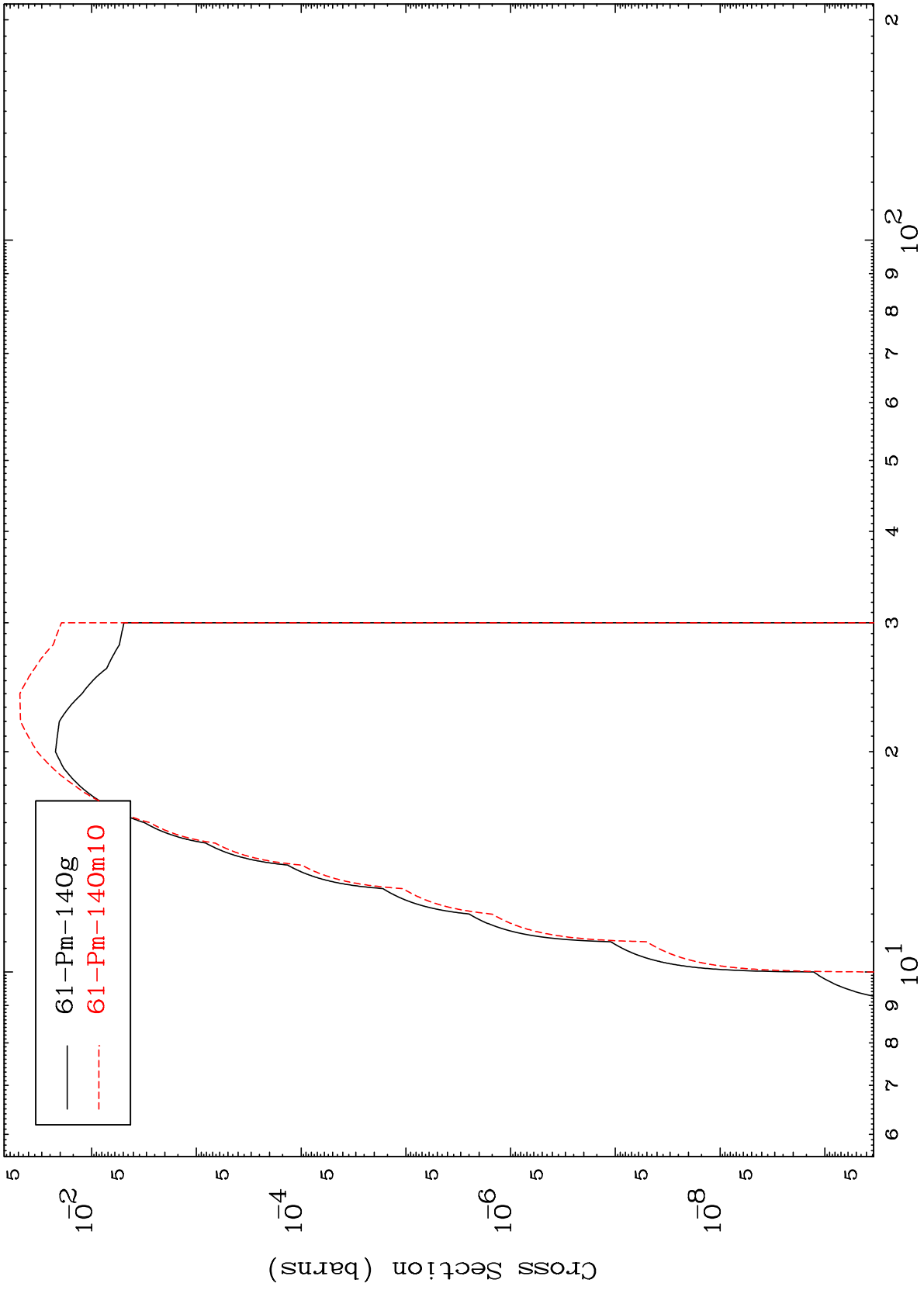
Incident Energy (MeV)

$^{60}\text{Nd}-137$

MAT 6011

60-Nd-137

Radionuclide Production Cross Section
(α, p)



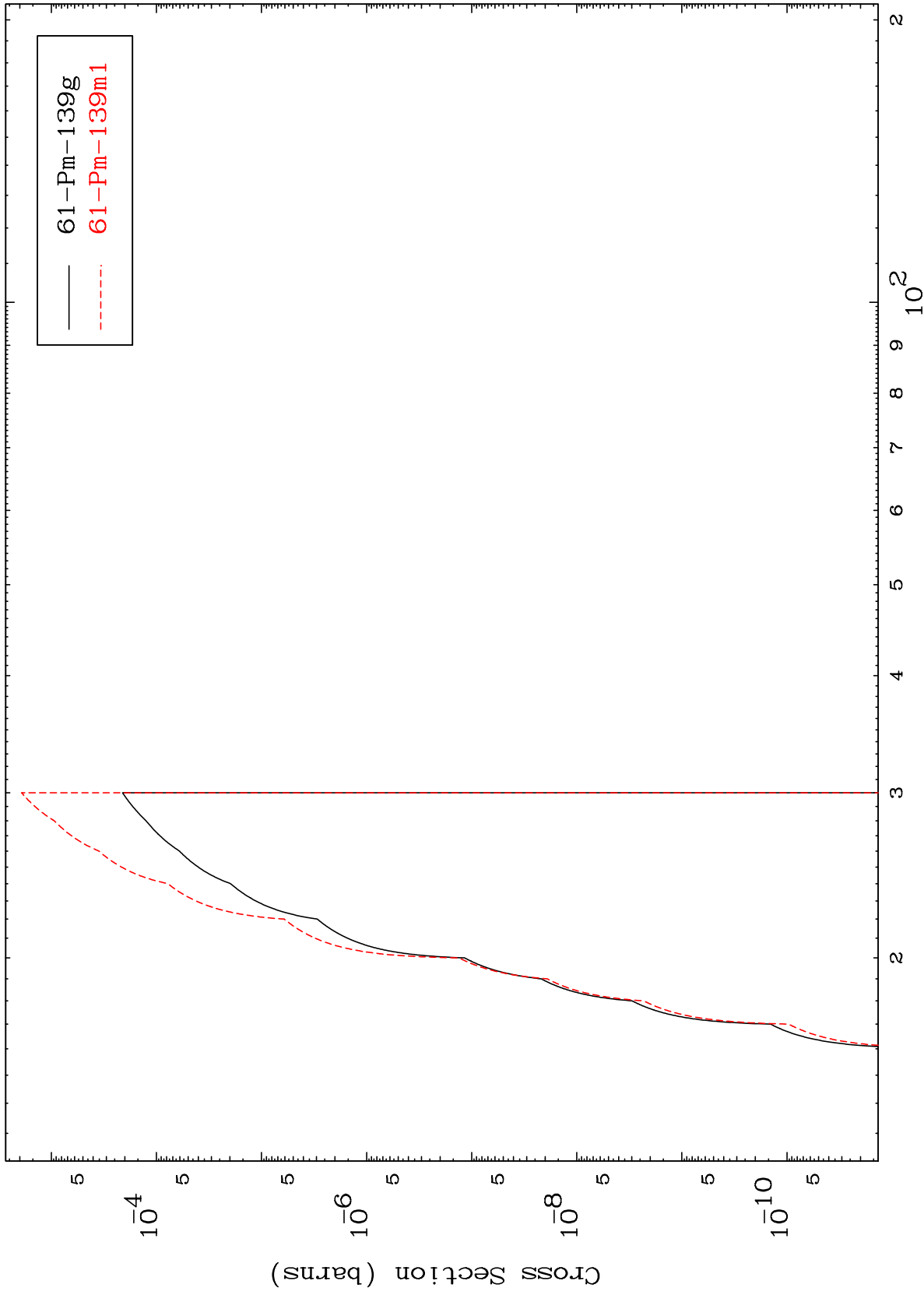
61-Pm-140g
61-Pm-140m10

16

MAT 6011

60-Nd-137

(α, d)
Radionuclide Production Cross Section



17

Incident Energy (MeV)

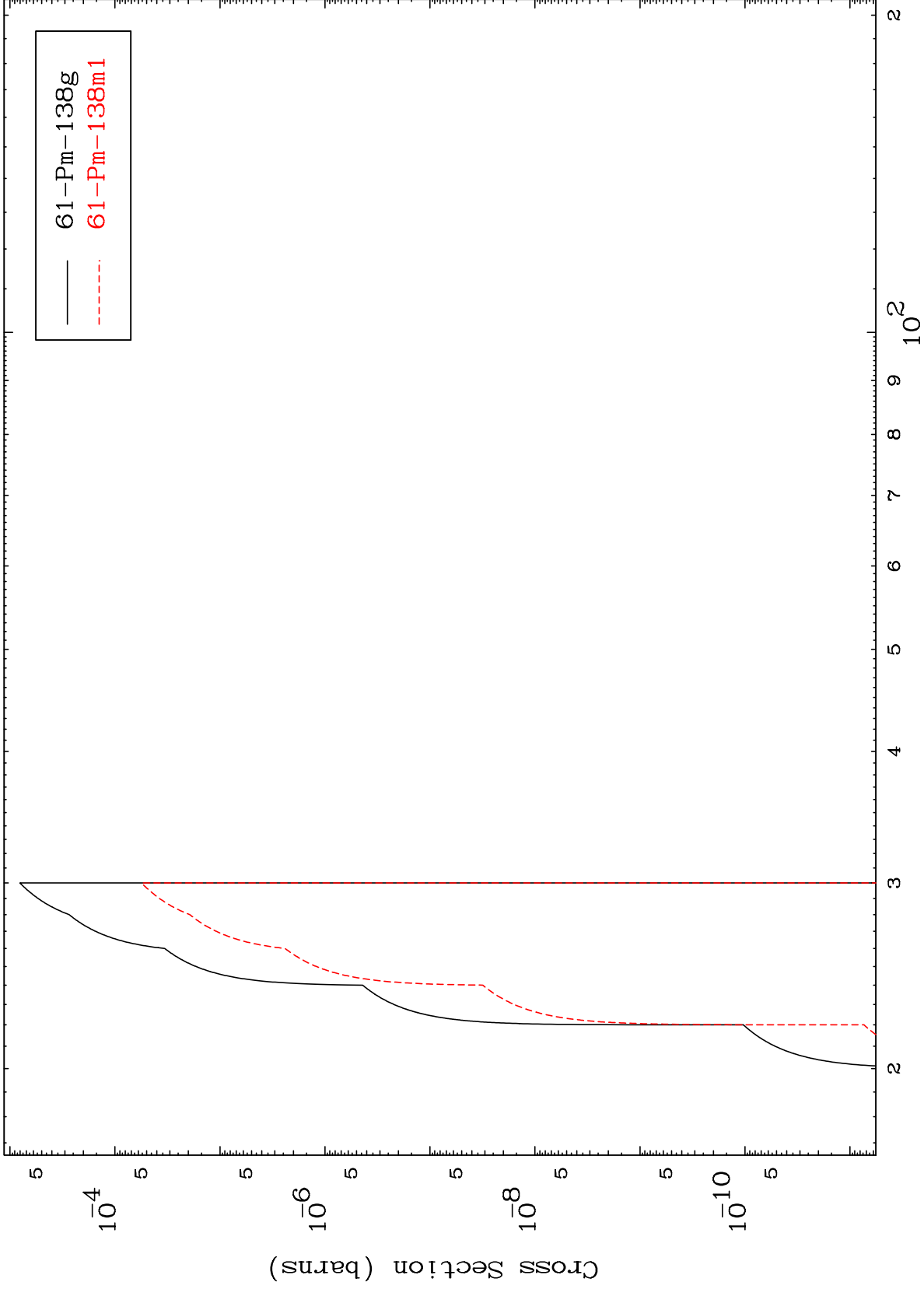
60-Nd-137

MAT 6011

(α, t)

$^{60}\text{Nd}-^{137}$

Radionuclide Production Cross Section



61-Pm-138g
61-Pm-138m1

18

Incident Energy (MeV)

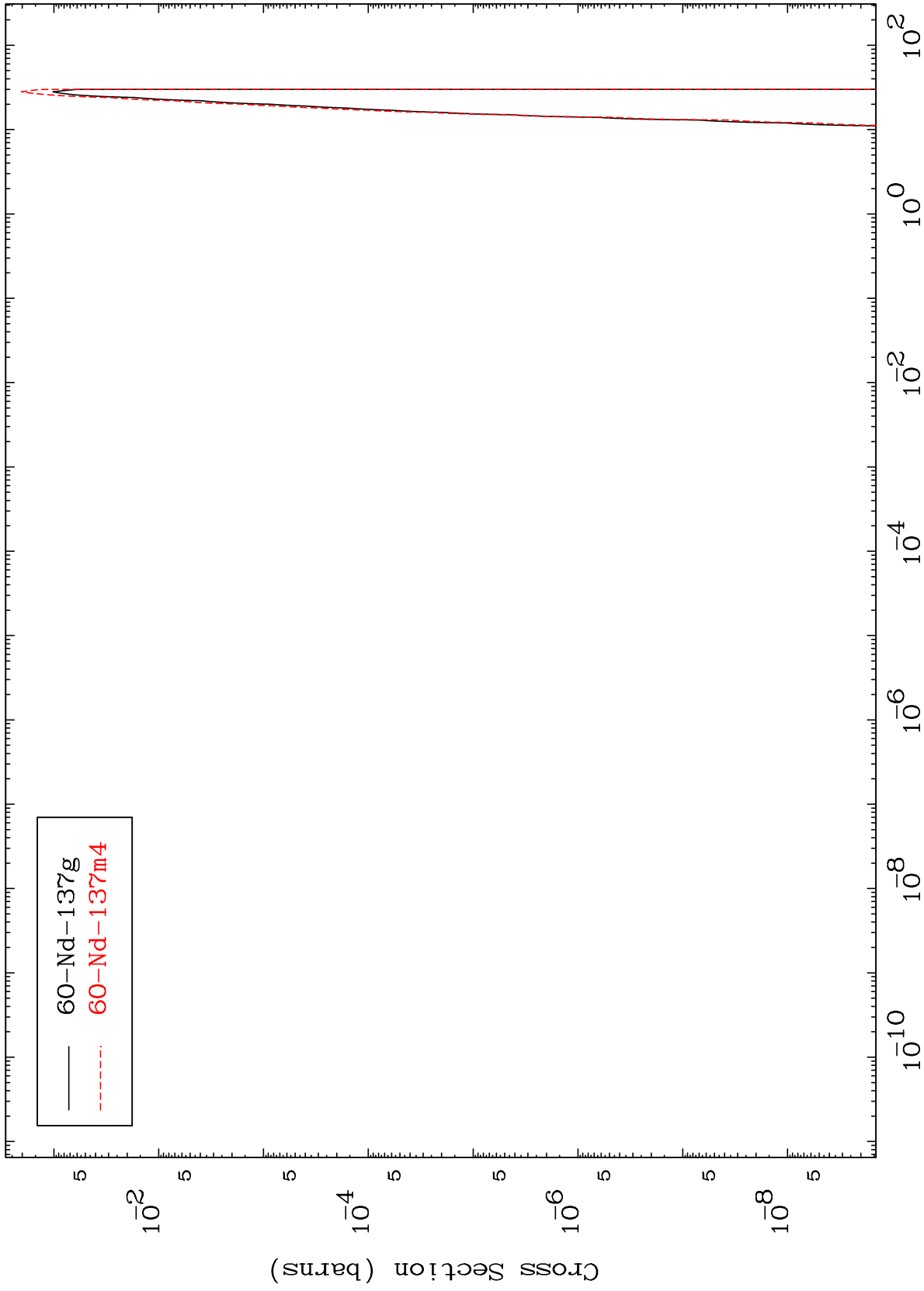
$^{60}\text{Nd}-^{137}$

MAT 6011

(α, α)

$^{60}\text{Nd}-137$

Radionuclide Production Cross Section



19

60-Nd-137

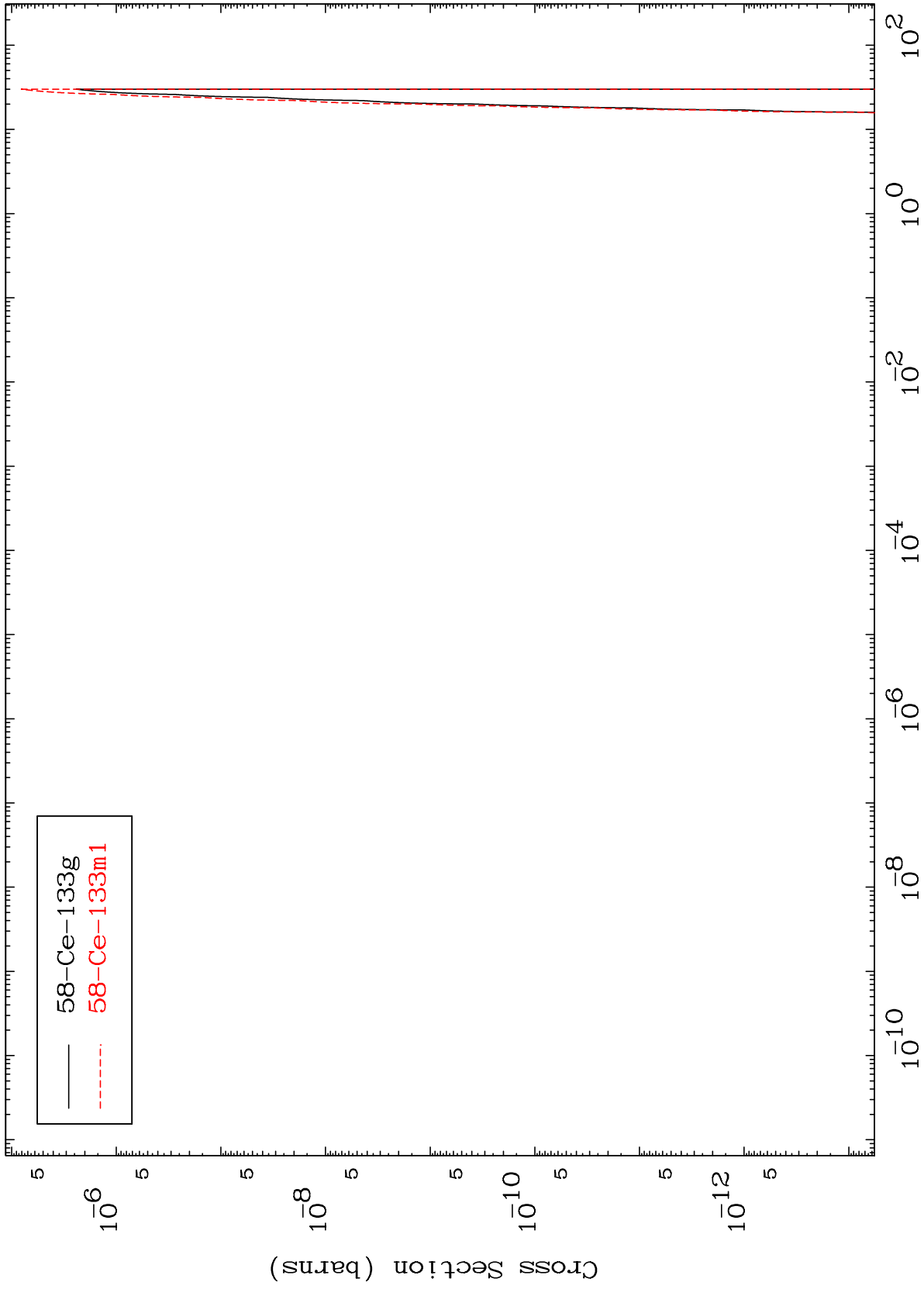
60-Nd-137

MAT 6011

($\alpha, 2\alpha$)

60-Nd-137

Radionuclide Production Cross Section



20

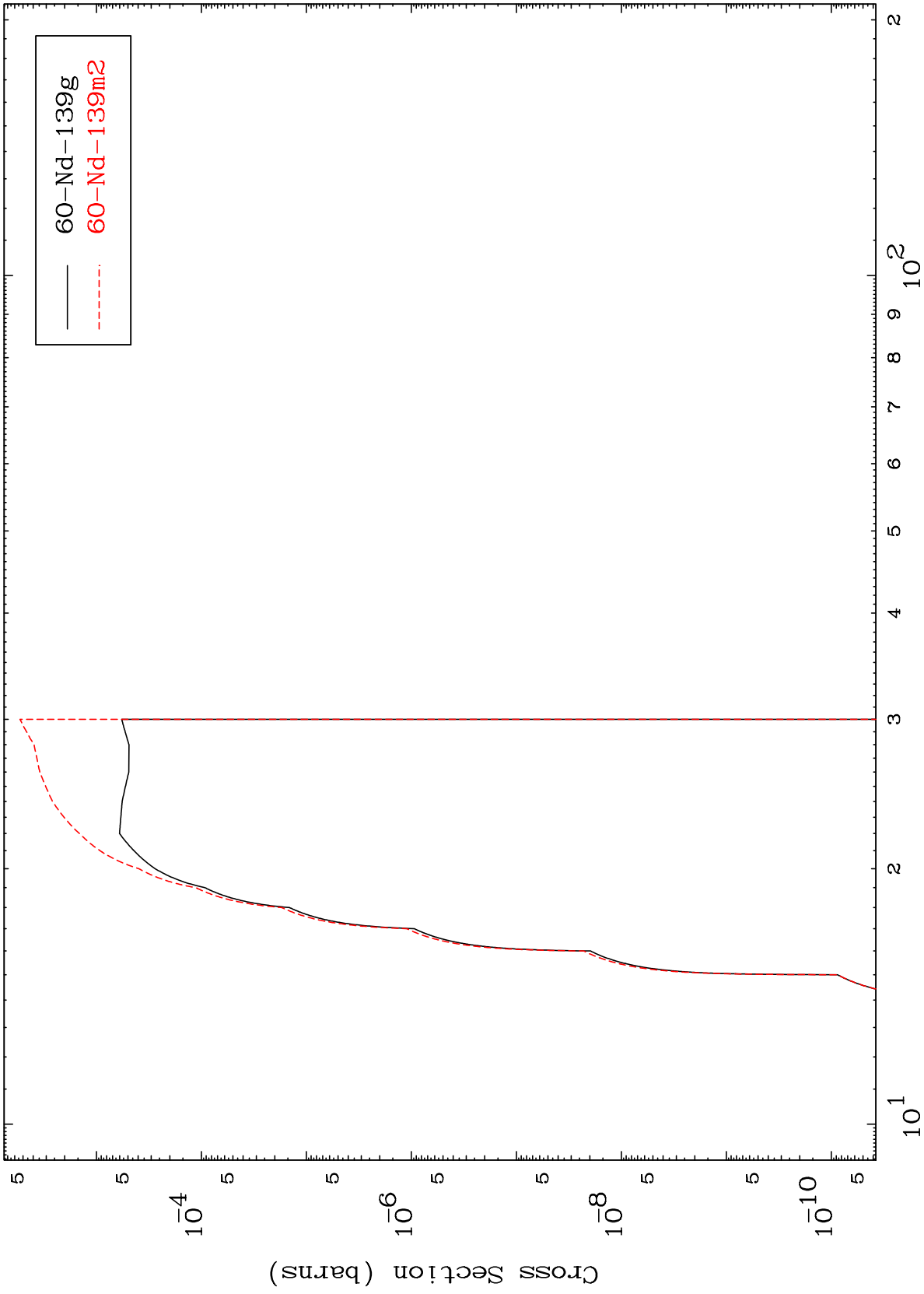
Incident Energy (MeV)

60-Nd-137

MAT 6011

$^{60}\text{Nd}-137$

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



21

Incident Energy (MeV)

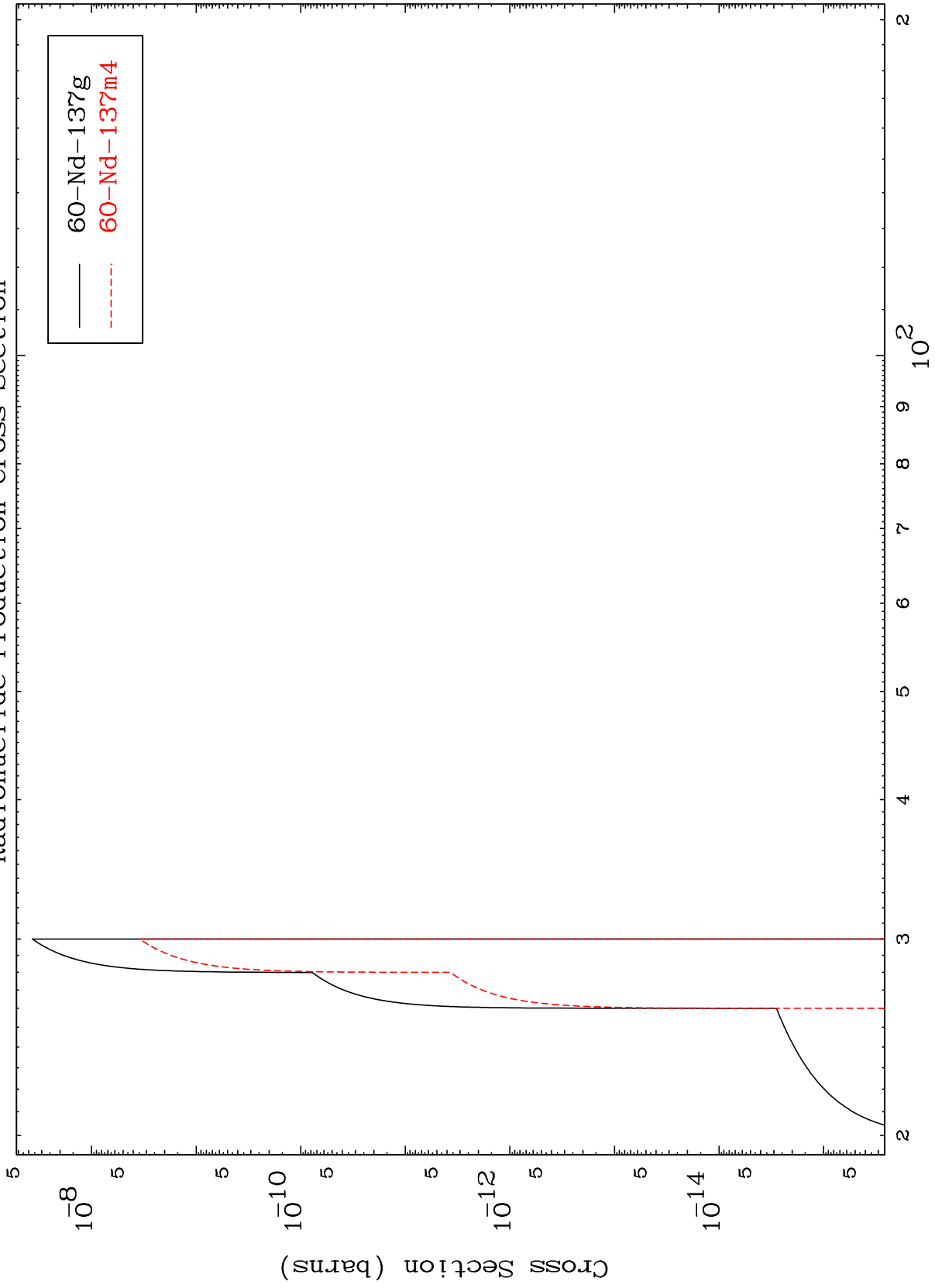
$^{60}\text{Nd}-137$

MAT 6011

(α, p) t

$^{60}\text{Nd-137}$

Radionuclide Production Cross Section



22

Incident Energy (MeV)

$^{60}\text{Nd-137}$