

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

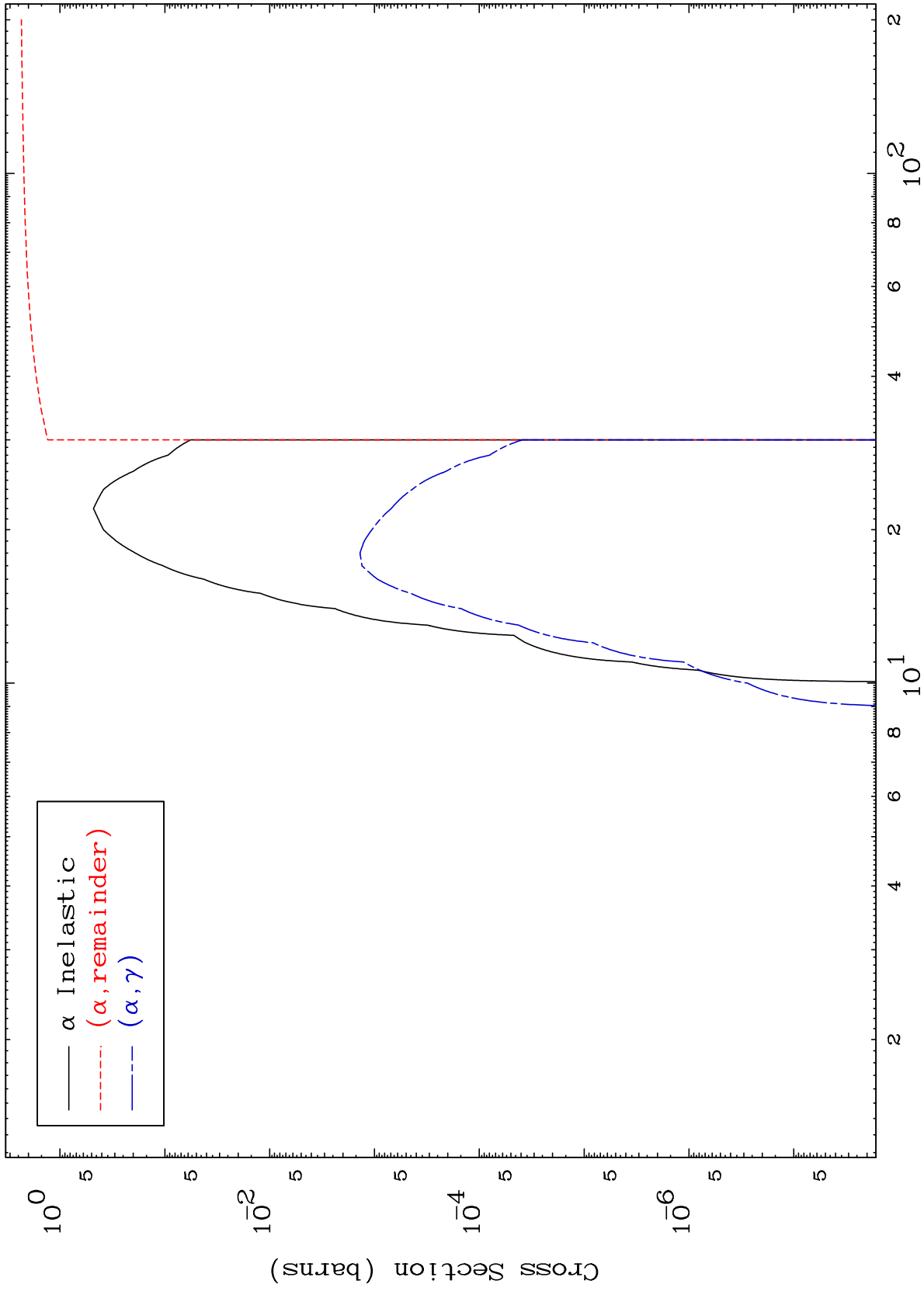
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6010

0 Kelvin α Major
Cross Sections

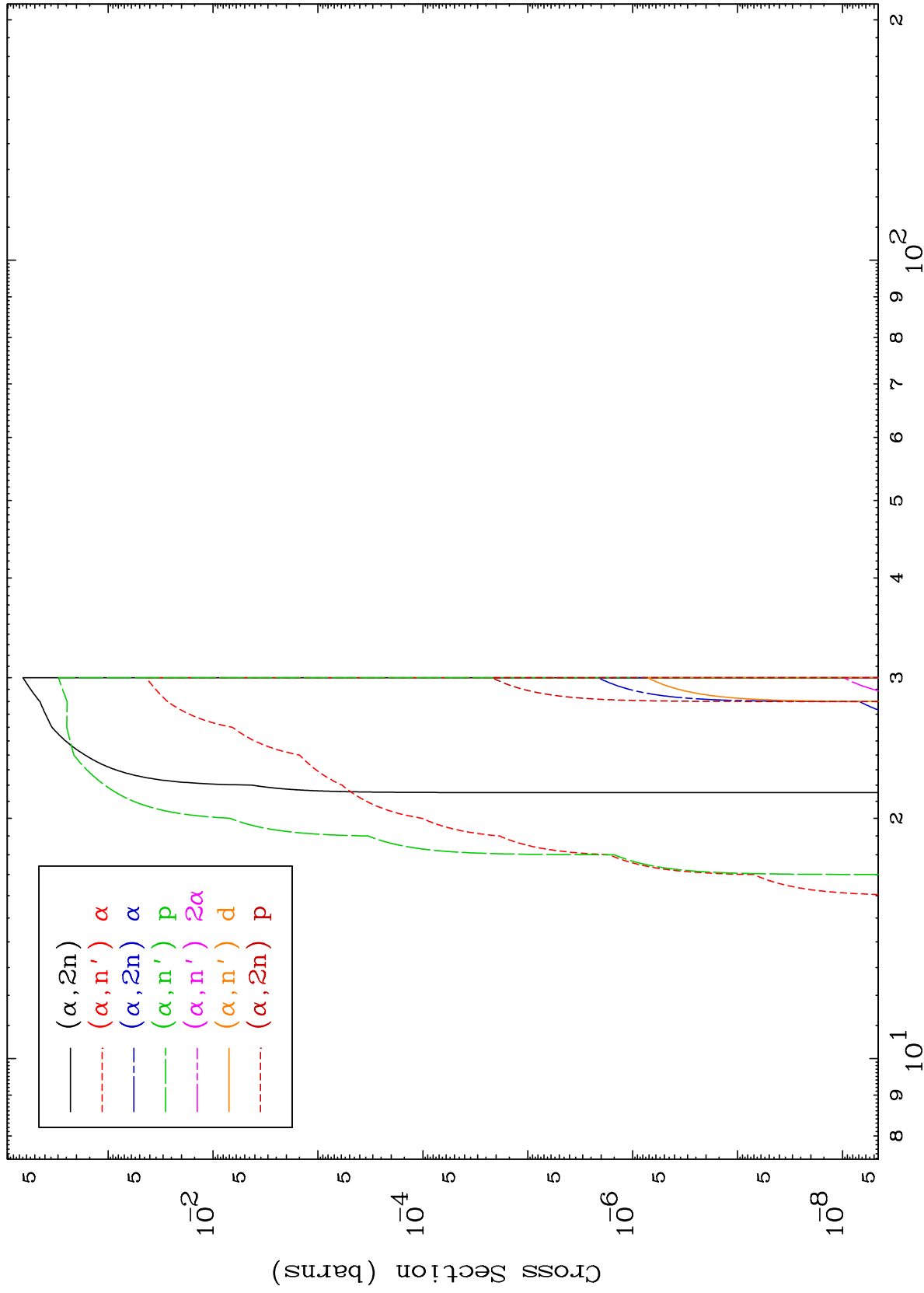
60-Nd-137



MAT 6010

α Neutron Production
0 Kelvin Cross Sections

60-Nd-137



2

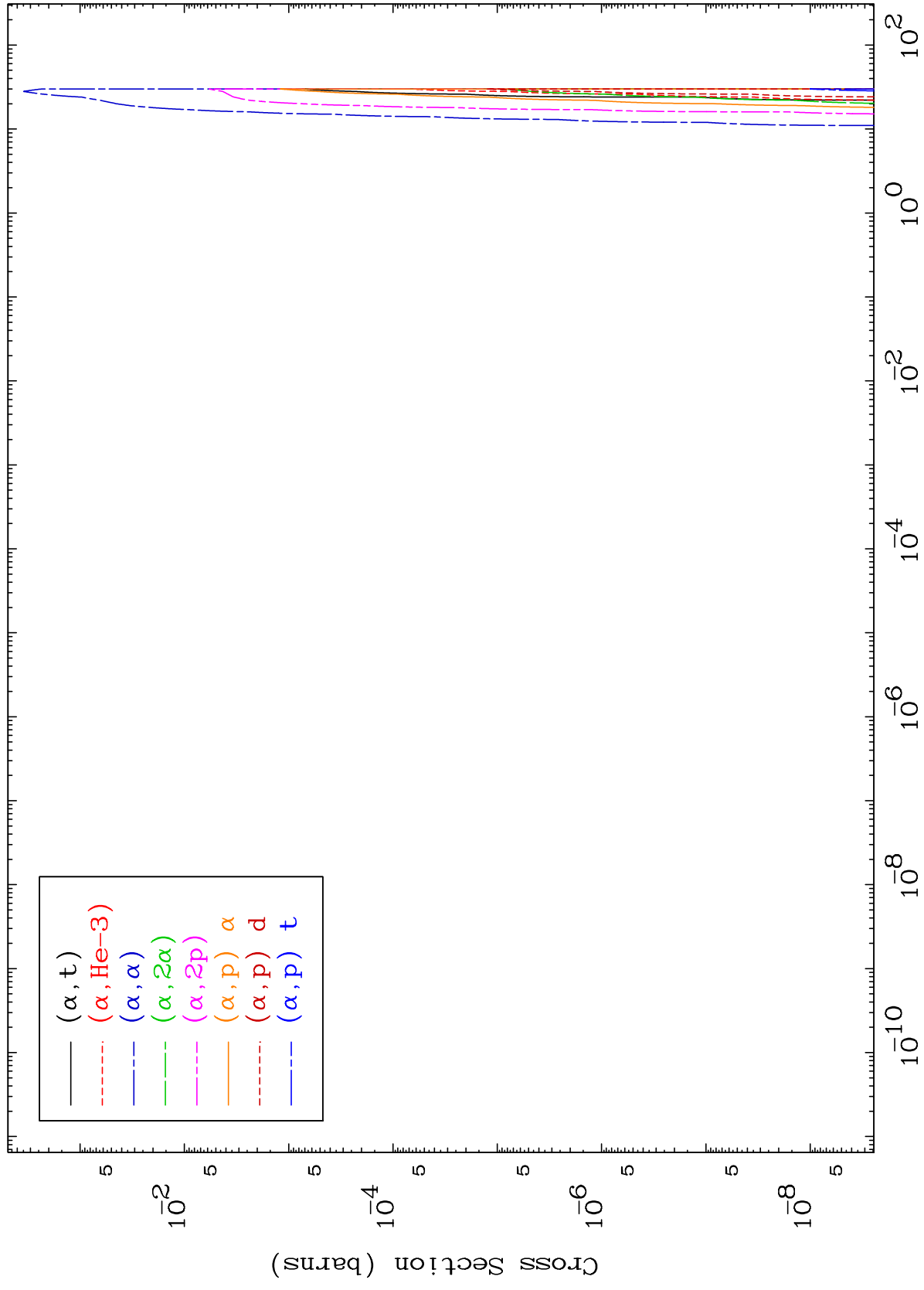
Incident Energy (MeV)

60-Nd-137

MAT 6010

α Charged Particle
0 Kelvin Cross Sections

60-Nd-137

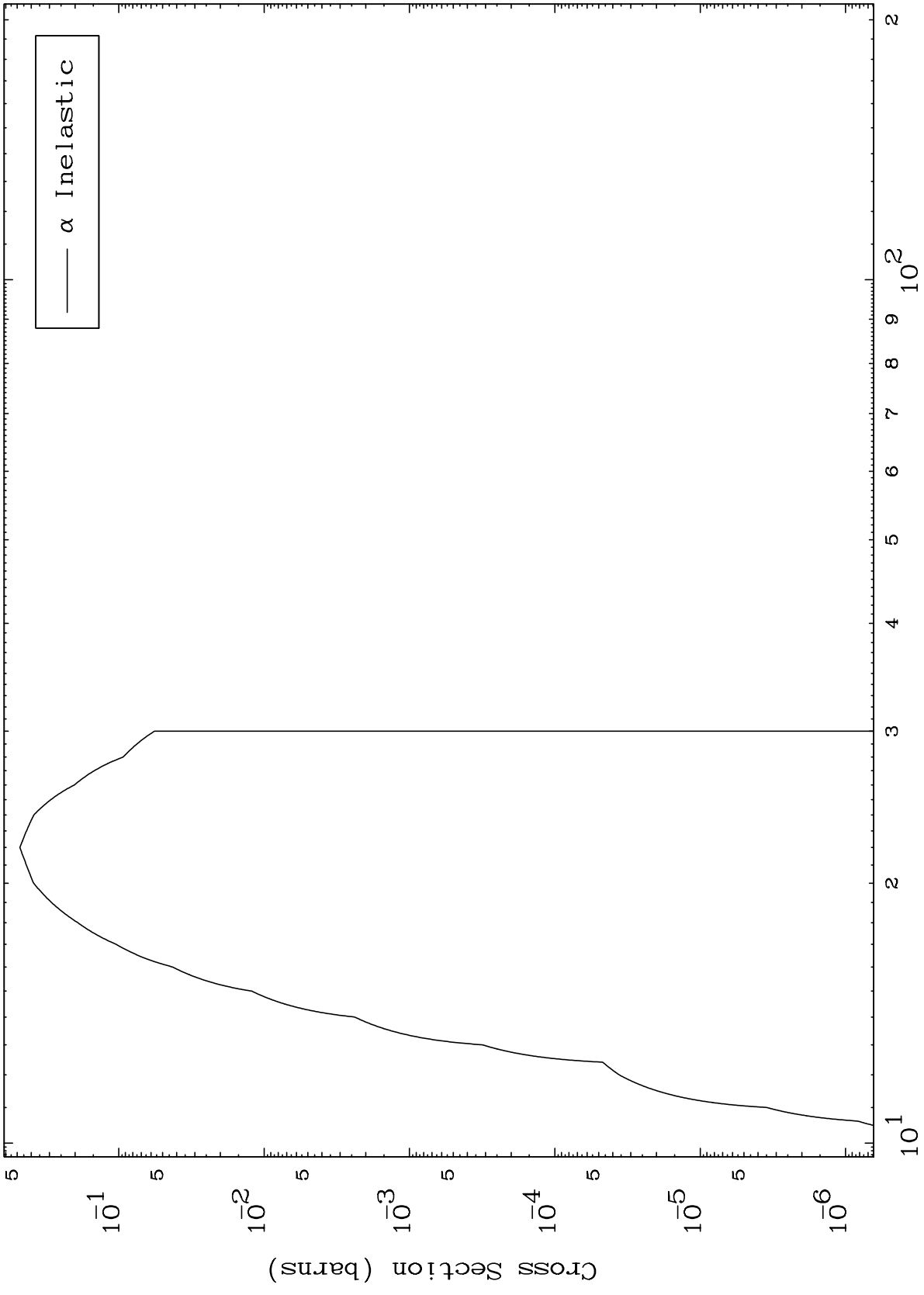


60-Nd-137

MAT 6010

(α, n') Level
0 Kelvin Cross Sections

60-Nd-137



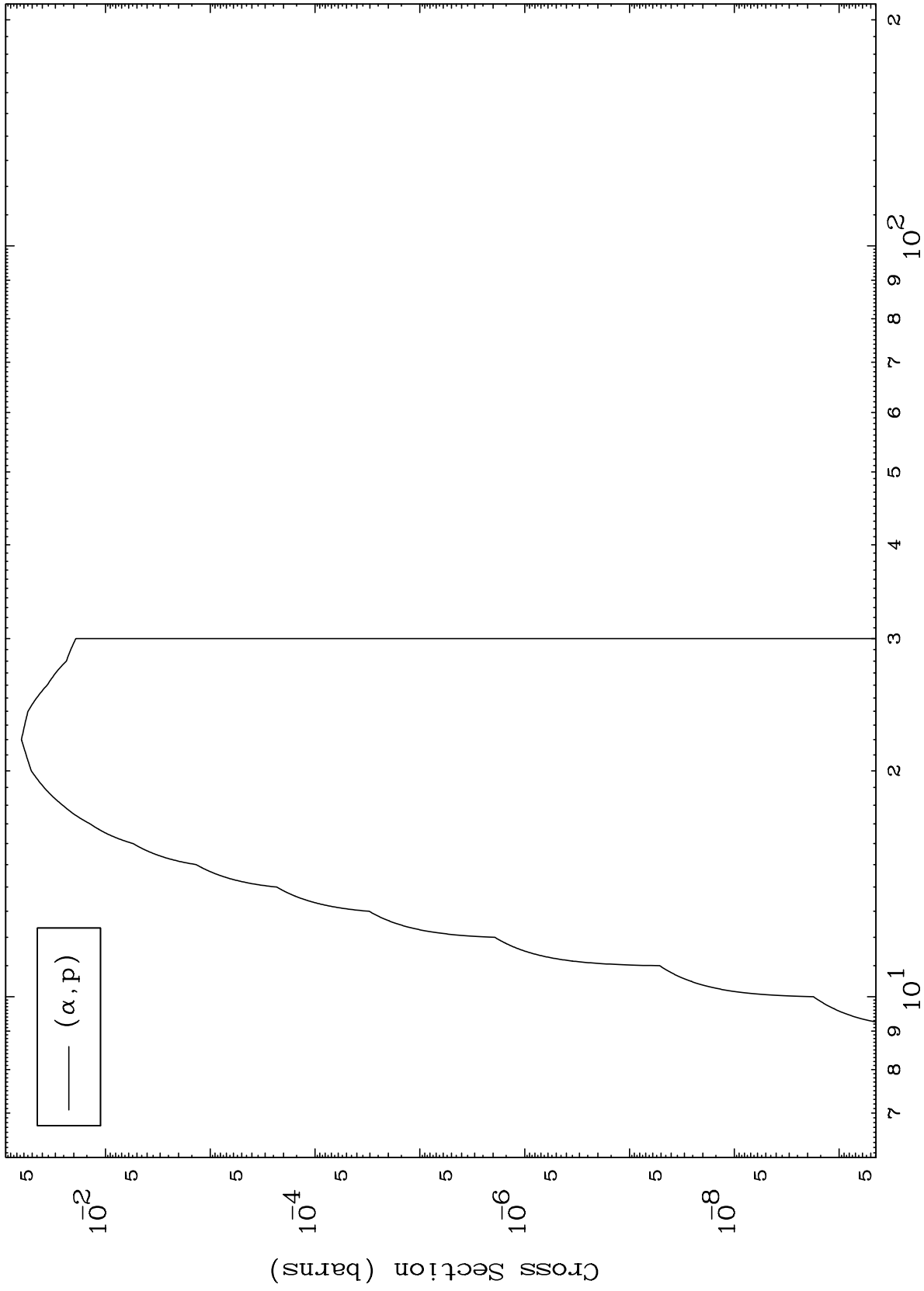
Incident Energy (MeV)

60-Nd-137

MAT 6010

(α, p) Levels
0 Kelvin Cross Sections

60-Nd-137



6

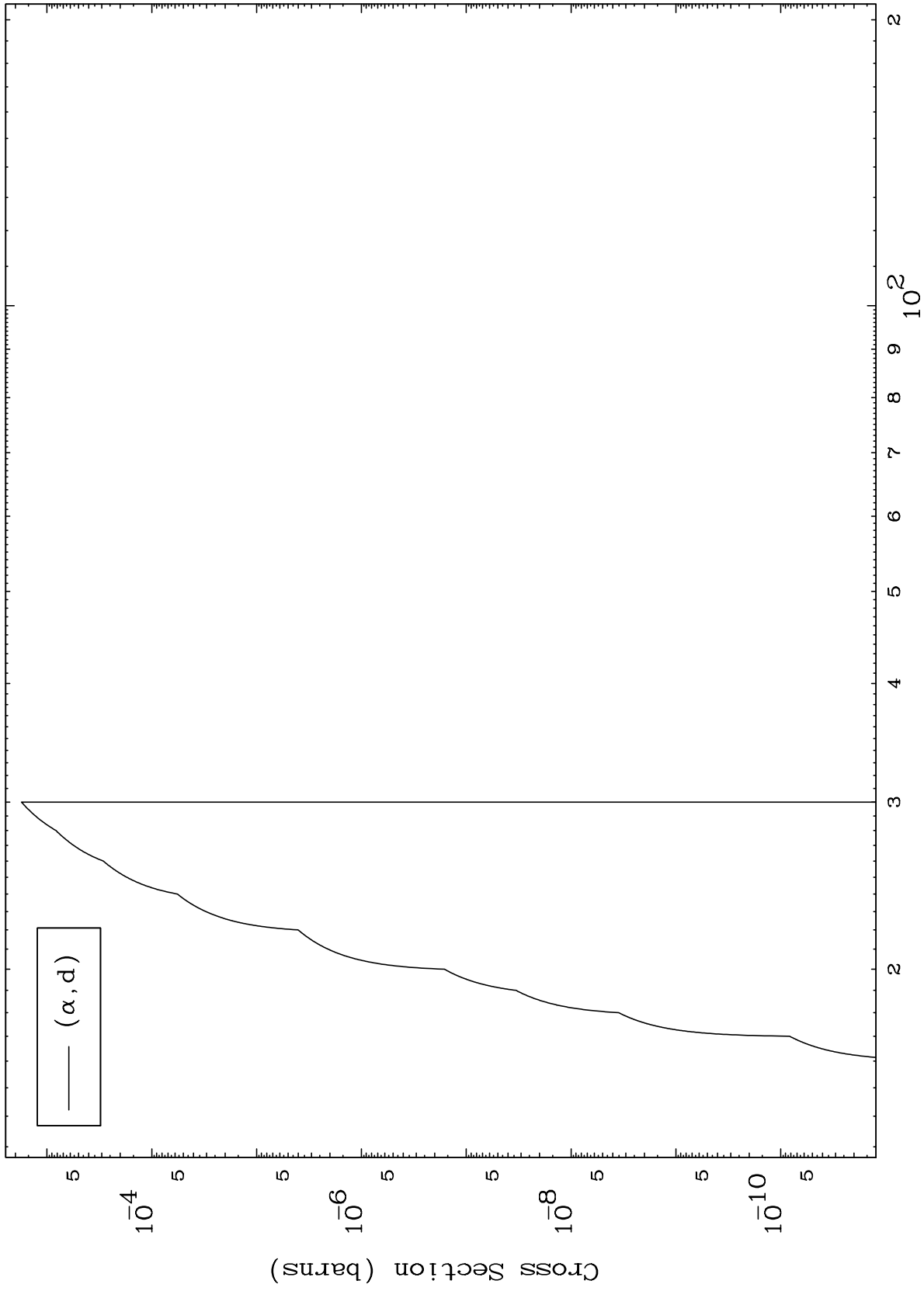
Incident Energy (MeV)

60-Nd-137

MAT 6010

(α, d) Levels
0 Kelvin Cross Sections

60-Nd-137



7

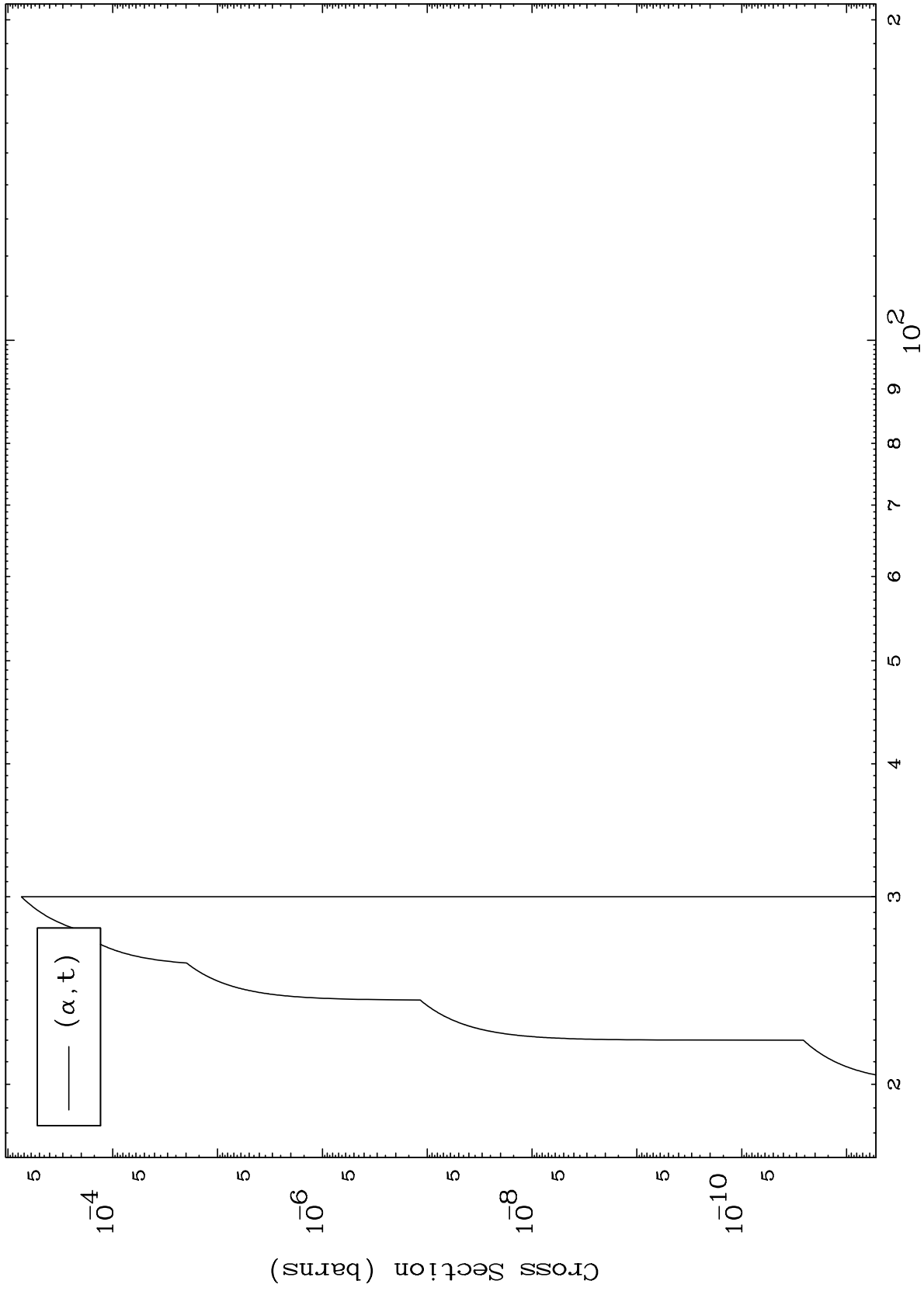
Incident Energy (MeV)

60-Nd-137

MAT 6010

(α, t) Levels
0 Kelvin Cross Sections

60-Nd-137



8

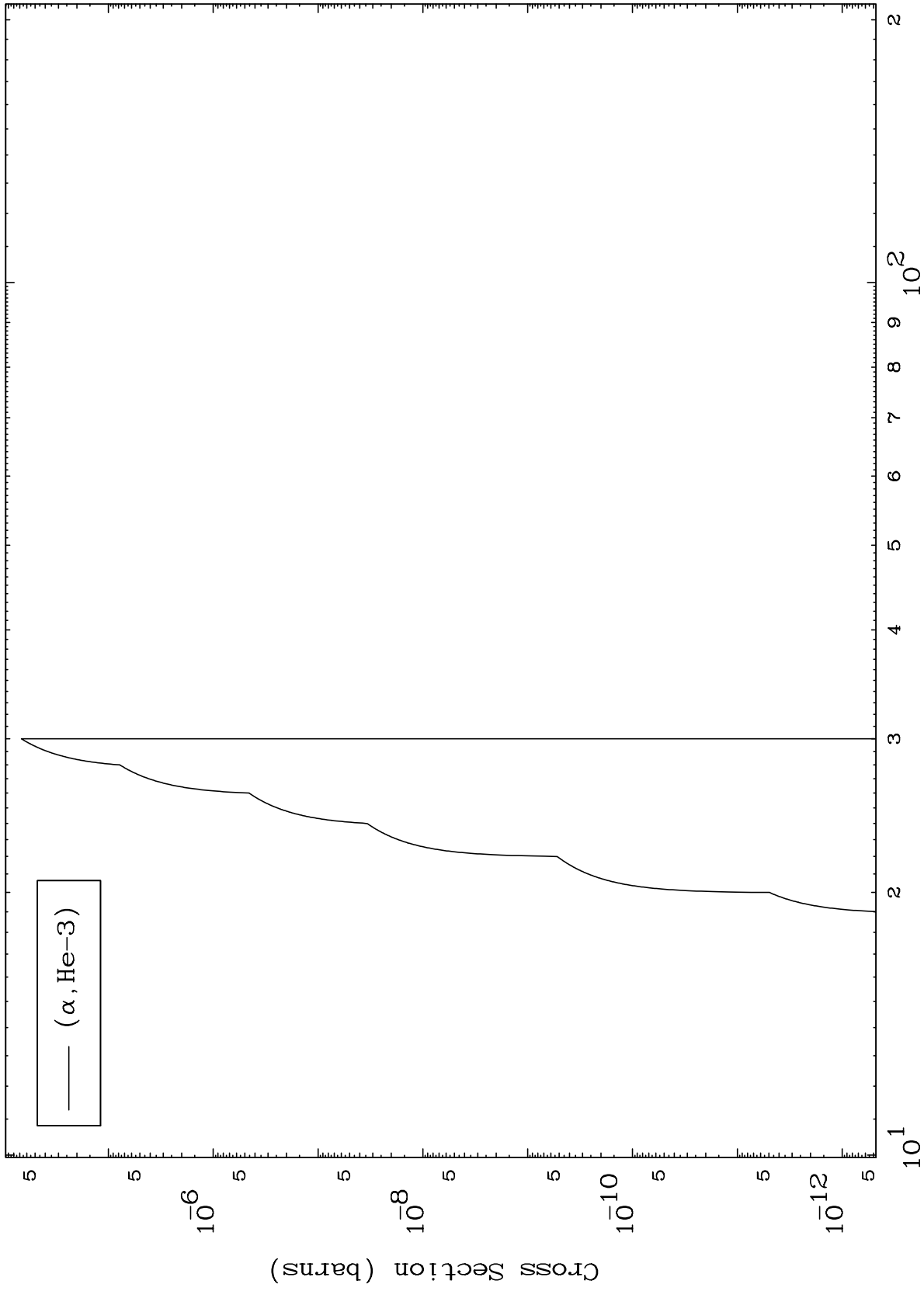
Incident Energy (MeV)

60-Nd-137

MAT 6010

(α ,He3) Levels
0 Kelvin Cross Sections

60-Nd-137



9

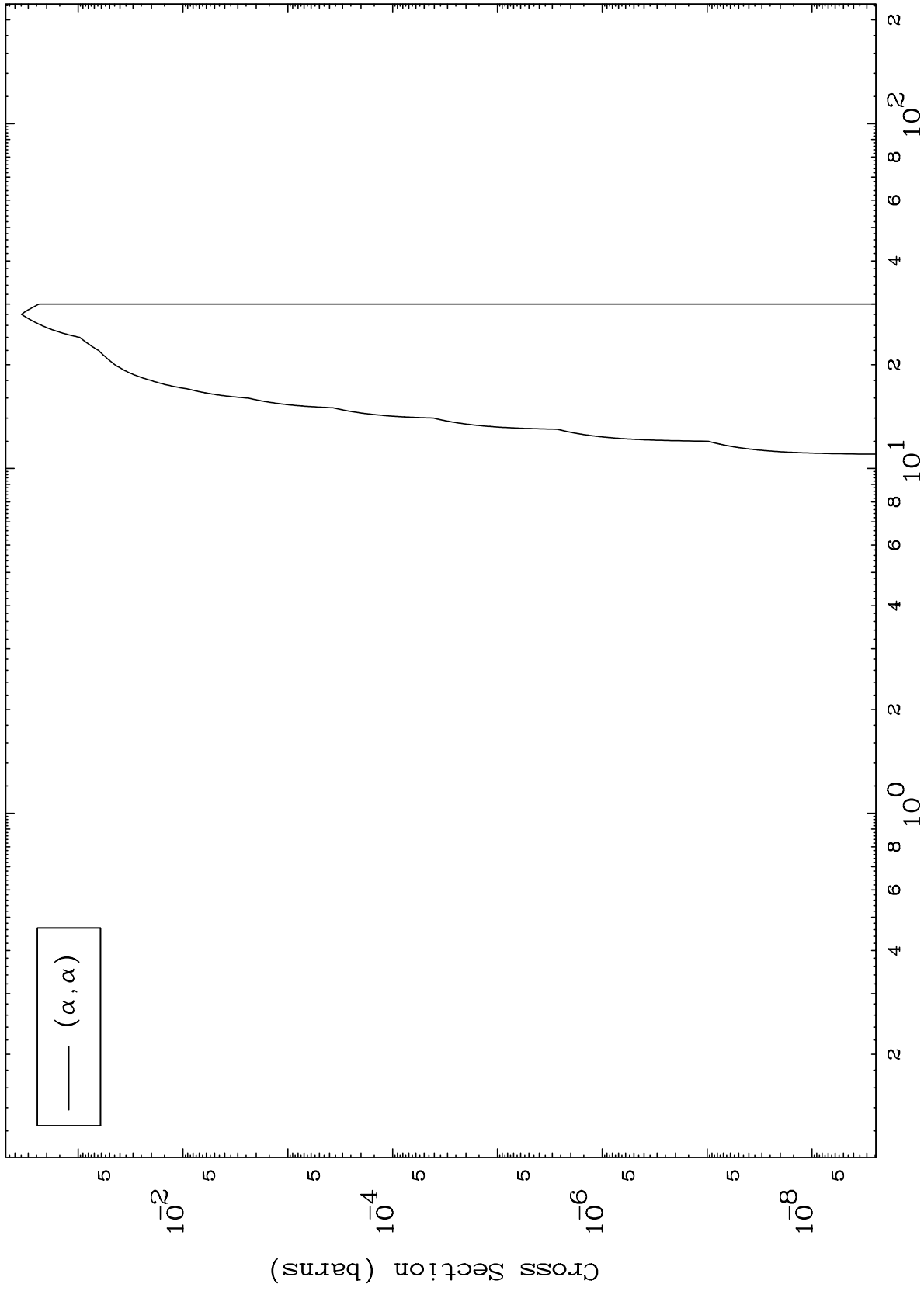
Incident Energy (MeV)

60-Nd-137

MAT 6010

(α, α) Levels
0 Kelvin Cross Sections

60-Nd-137



10

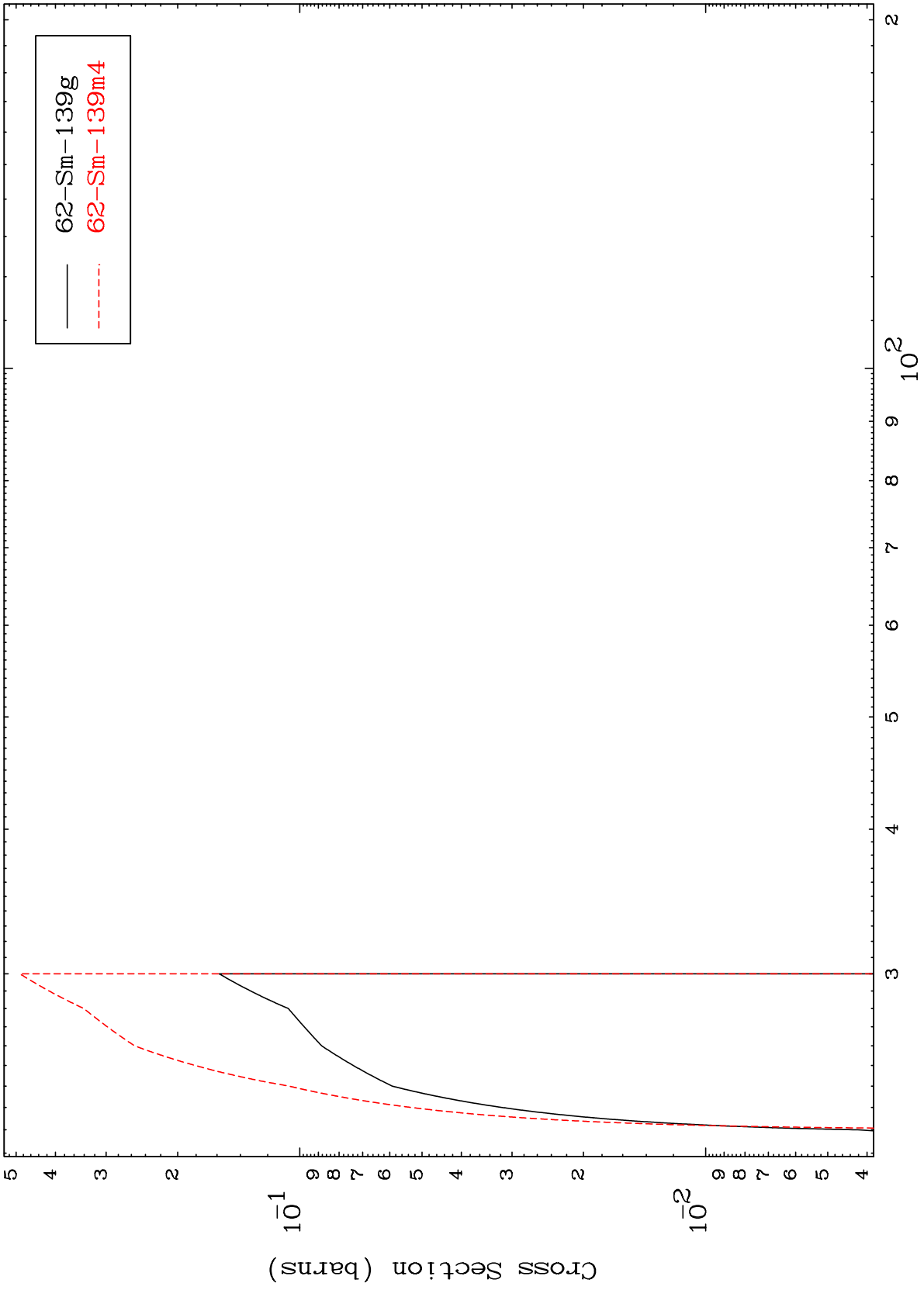
Incident Energy (MeV)

60-Nd-137

MAT 6010

60-Nd-137

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



62-Sm-139g
62-Sm-139m4

60-Nd-137

Incident Energy (MeV)

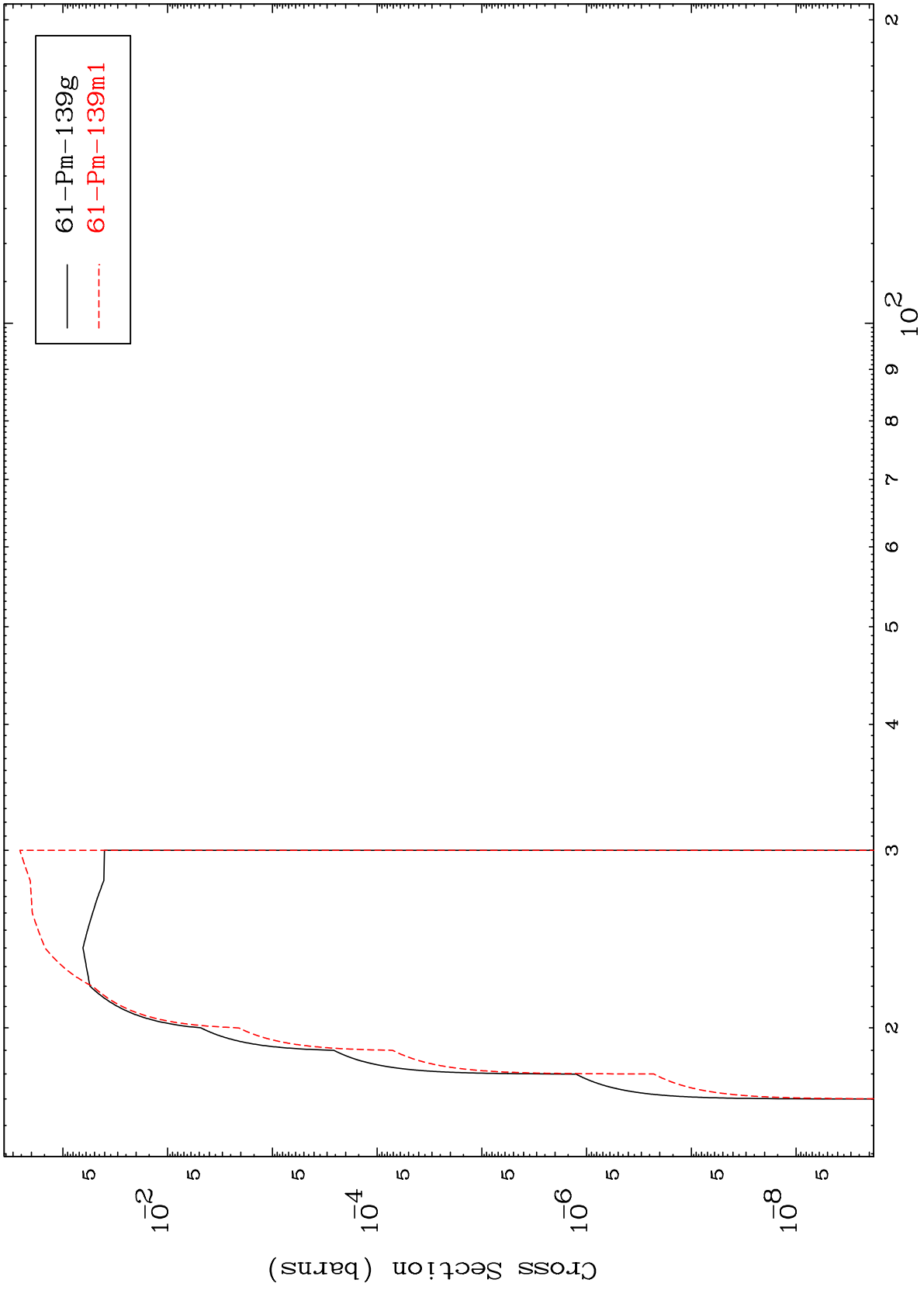
11

MAT 6010

(α, n') p

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

Radionuclide Production Cross Section



12

Incident Energy (MeV)

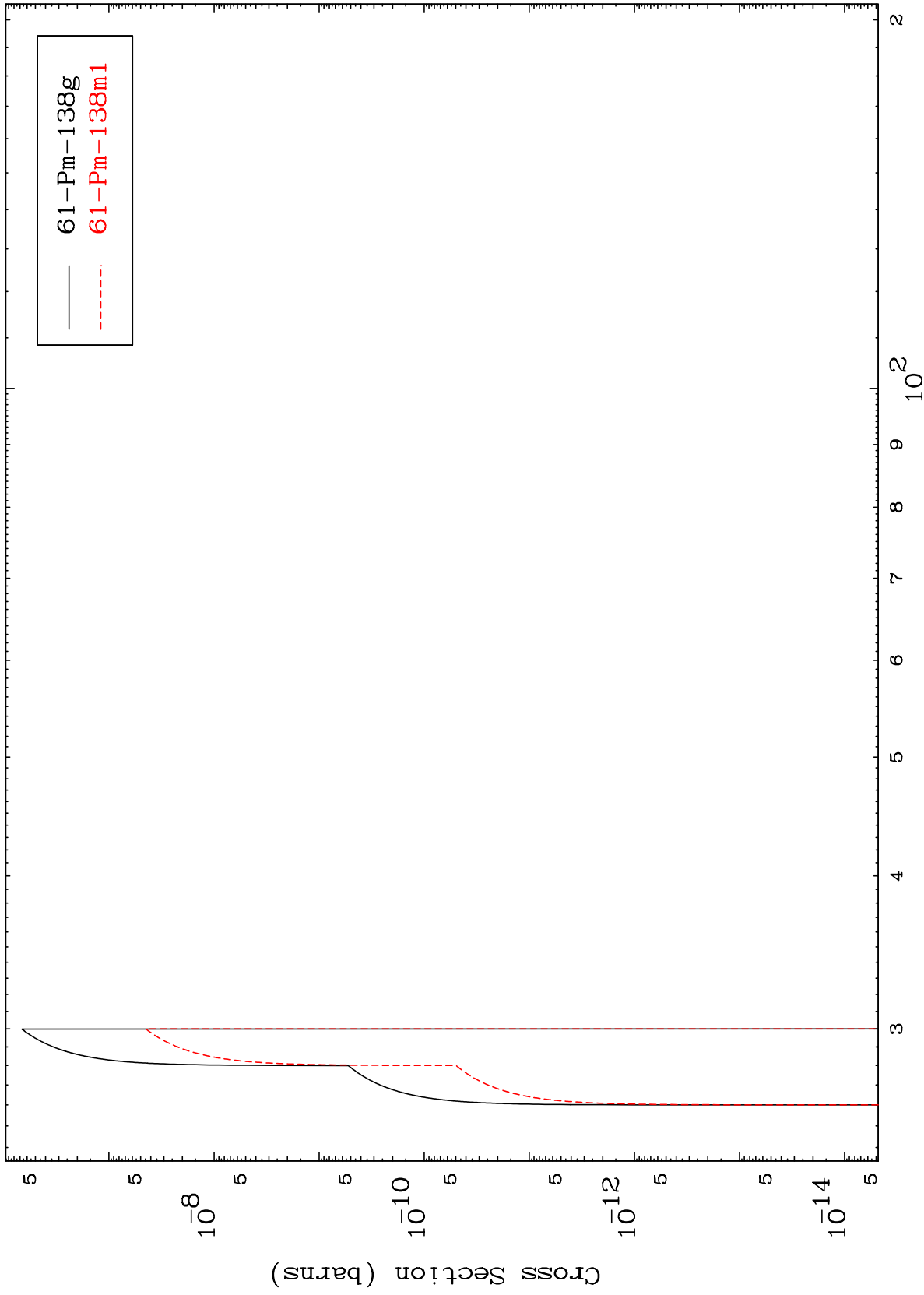
$^{60}\text{Nd}-^{137}$

MAT 6010

(α, n') d

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

Radionuclide Production Cross Section



13

Incident Energy (MeV)

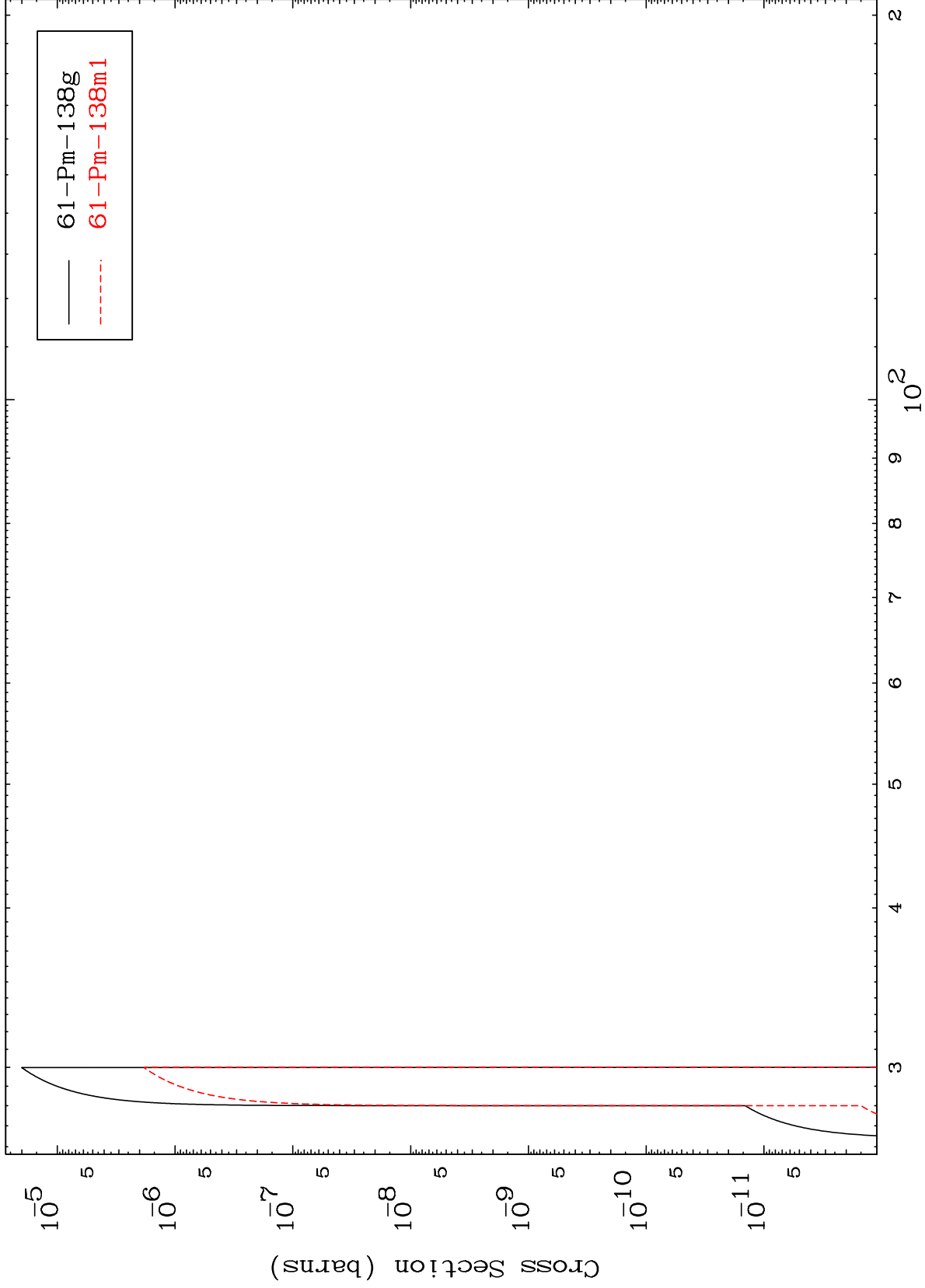
$^{60}\text{Nd}-^{137}$

MAT 6010

$(\alpha, 2n)$ p

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

Radionuclide Production Cross Section



14

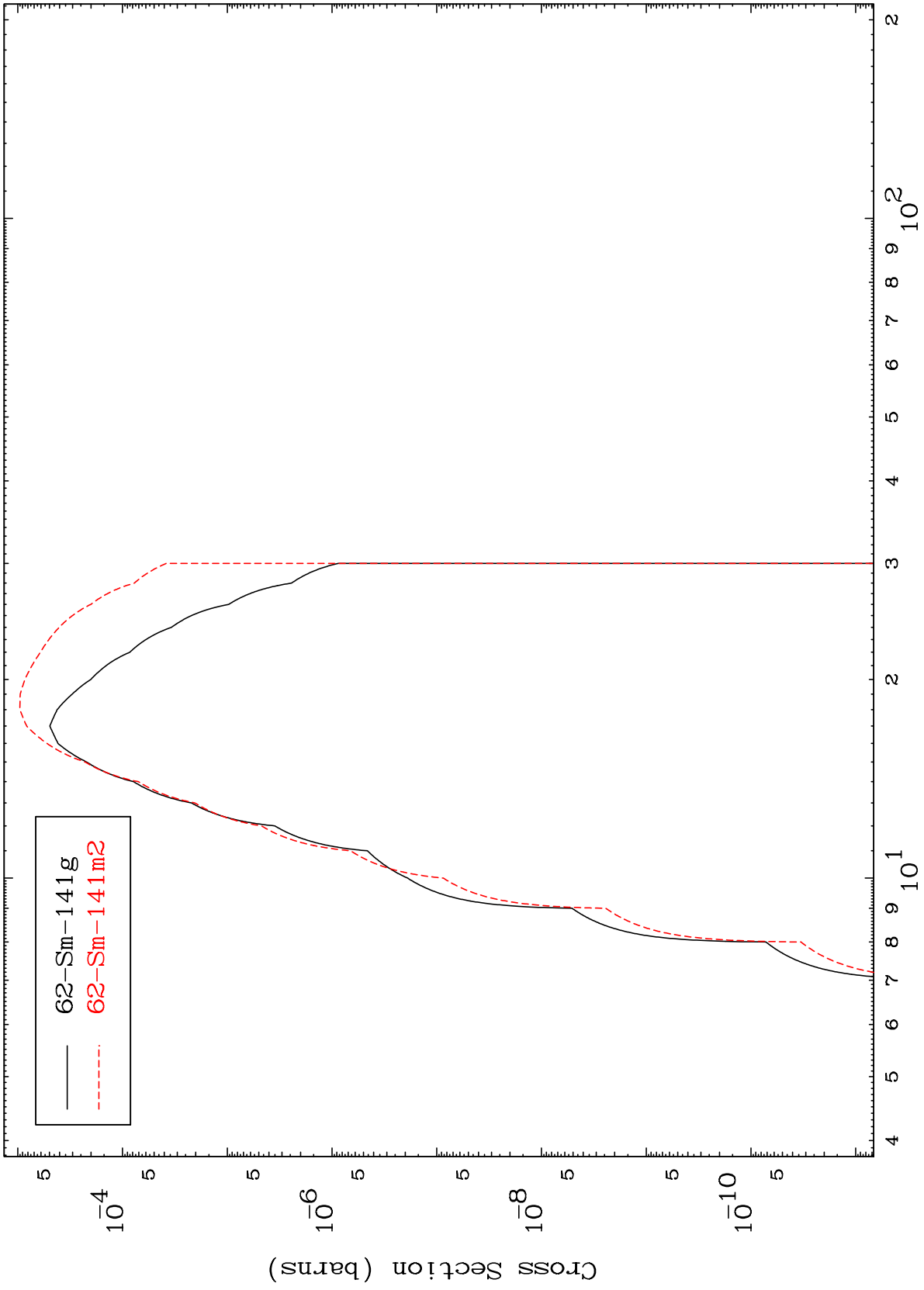
Incident Energy (MeV)

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

MAT 6010

Radionuclide Production Cross Section
(α, γ)

60-Nd-137



15

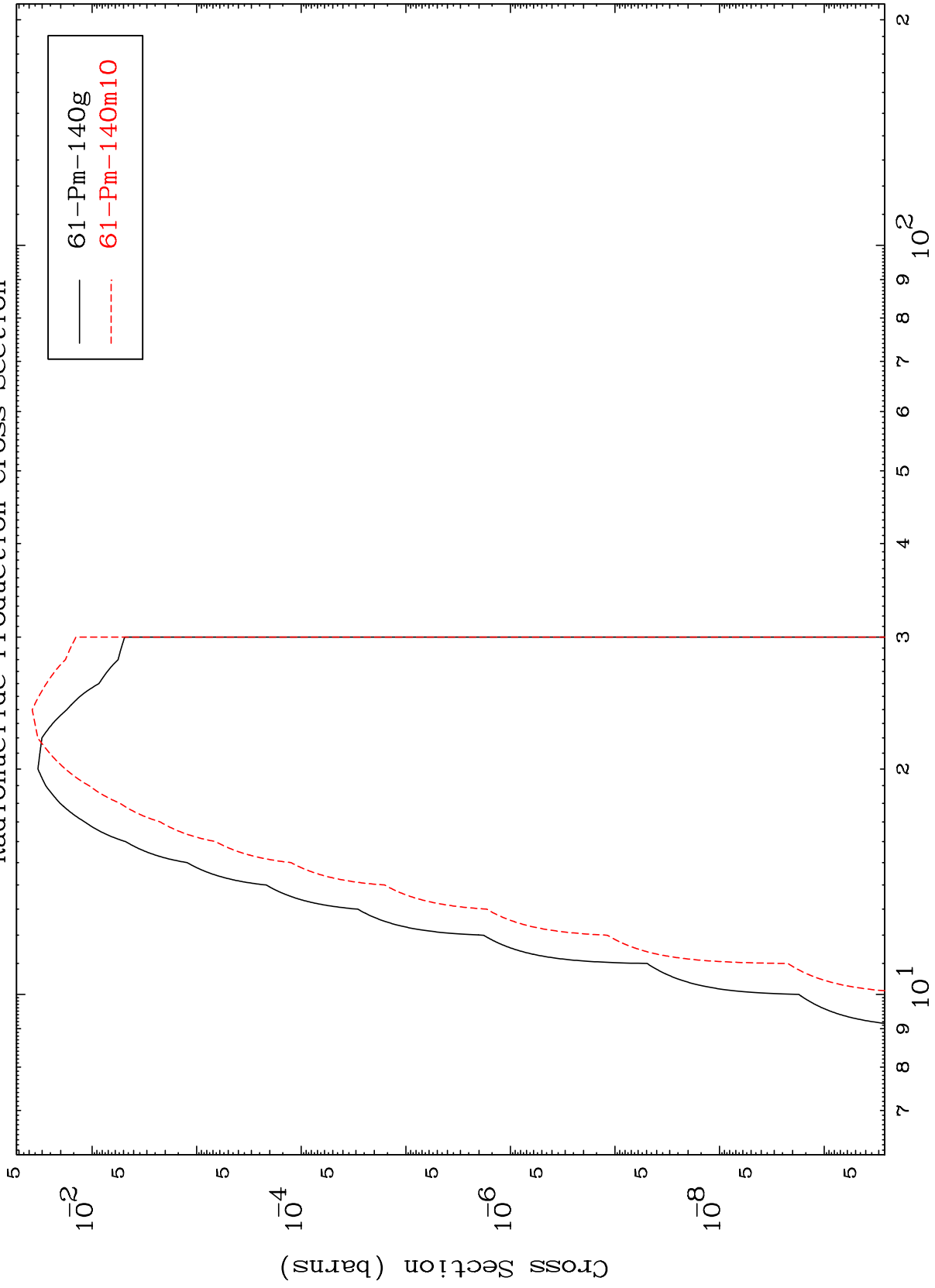
Incident Energy (MeV)

60-Nd-137

MAT 6010

60-Nd-137

Radionuclide Production Cross Section



60-Nd-137

Incident Energy (MeV)

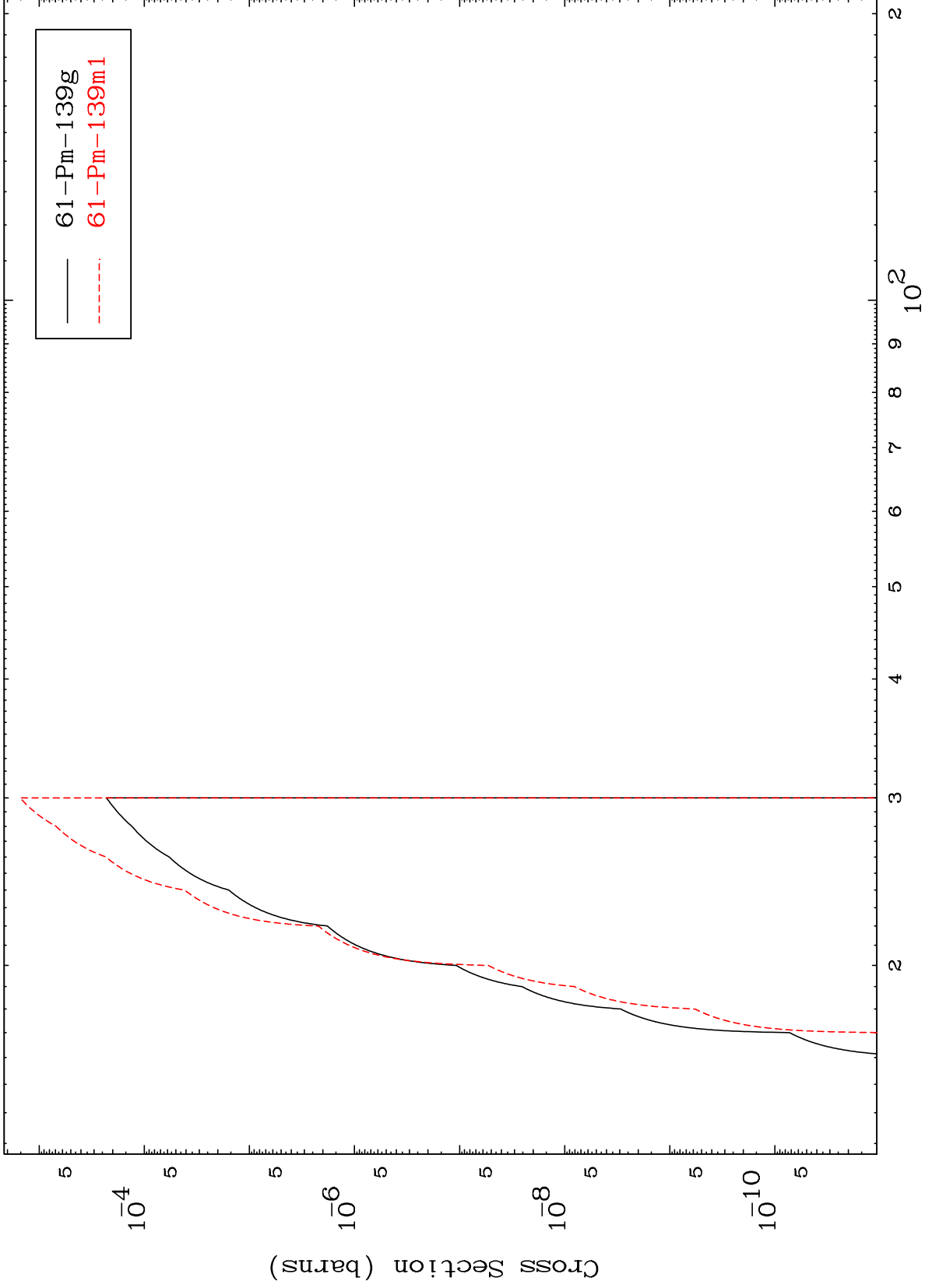
16

MAT 6010

(α, d)

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

Radionuclide Production Cross Section



17

Incident Energy (MeV)

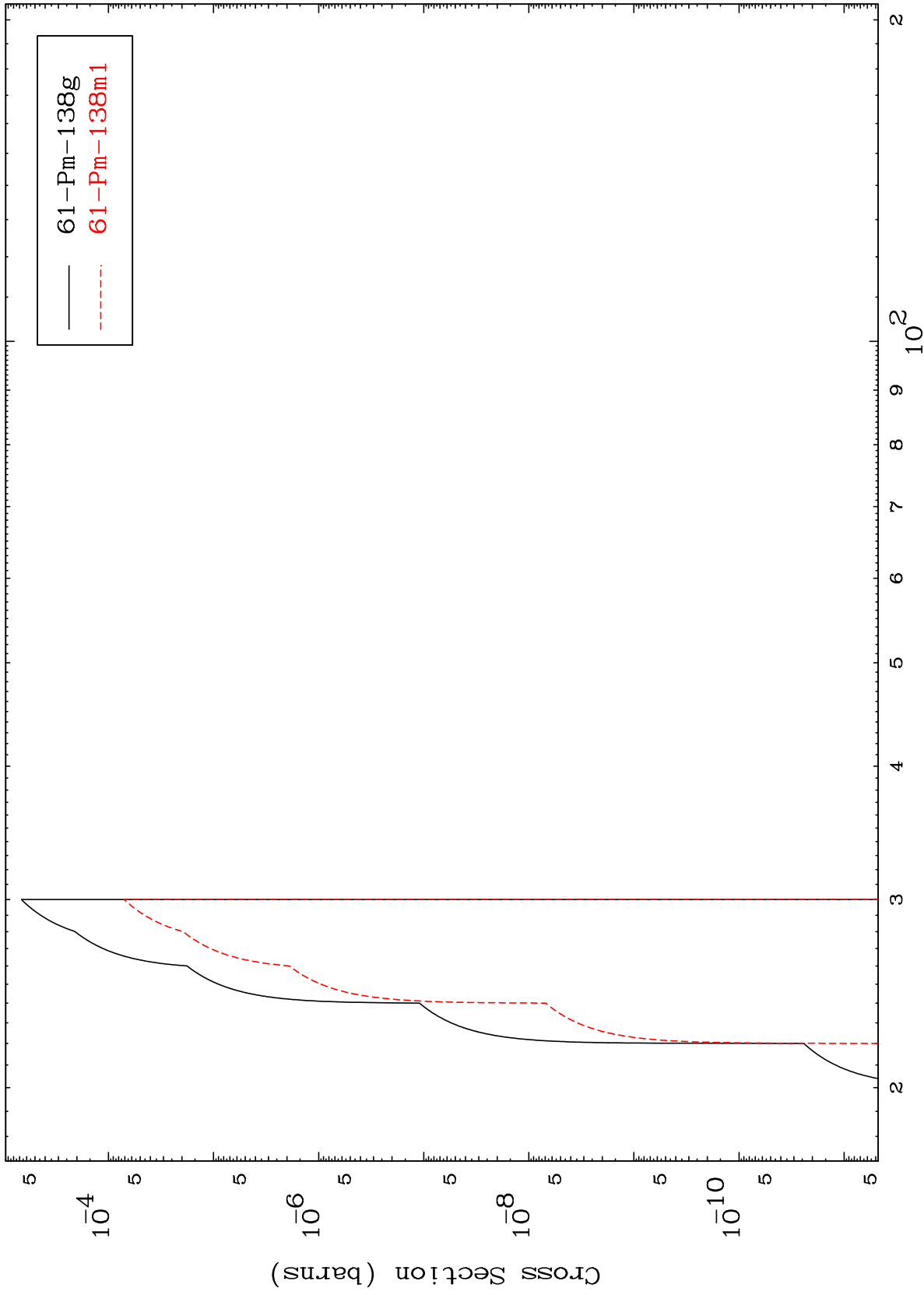
$^{60}\text{Nd}-^{137}$

MAT 6010

(α, t)

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

Radionuclide Production Cross Section



18

Incident Energy (MeV)

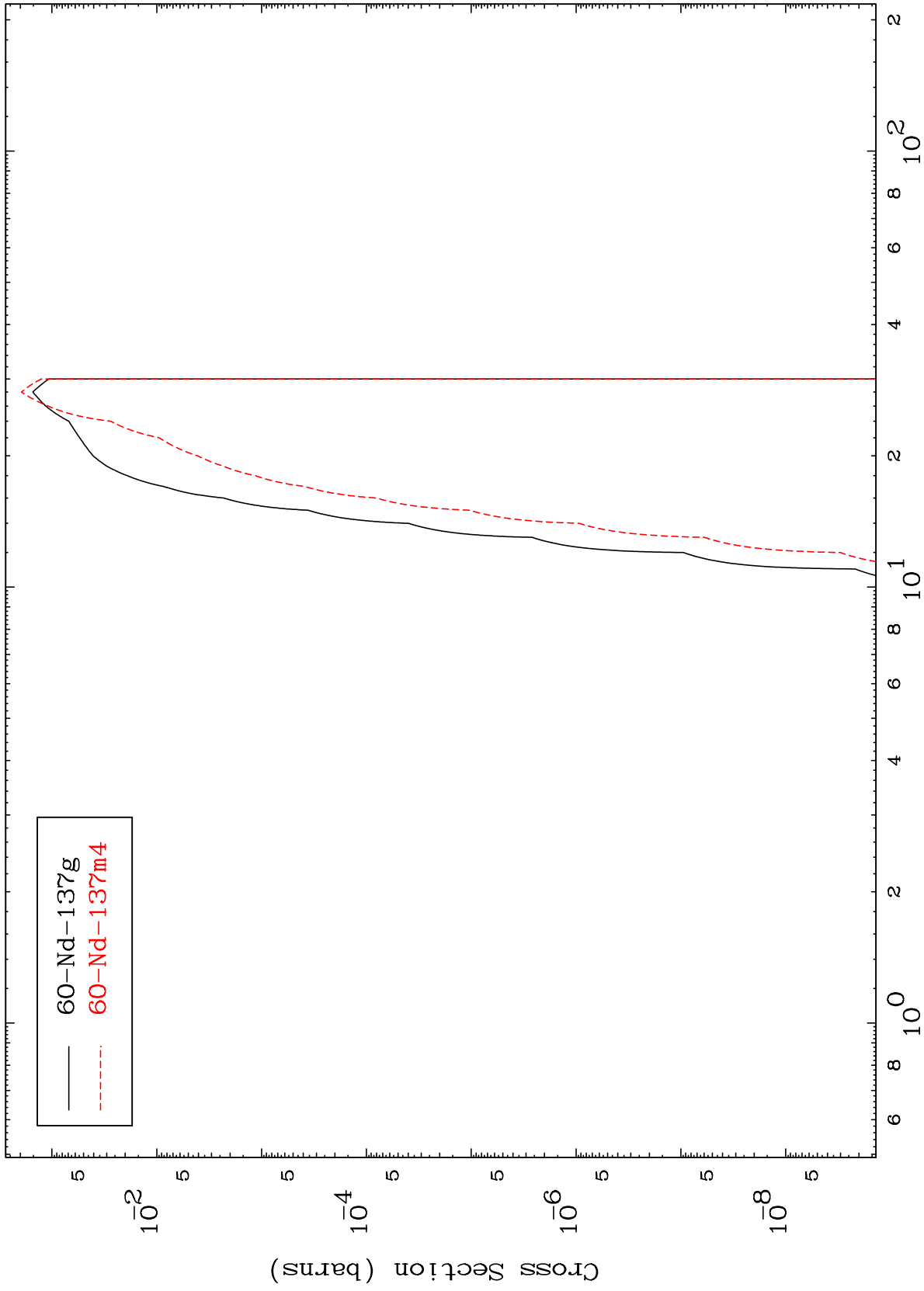
$^{60}\text{Nd}-^{137}$

MAT 6010

(α, α)

60-Nd-137

Radionuclide Production Cross Section



19

Incident Energy (MeV)

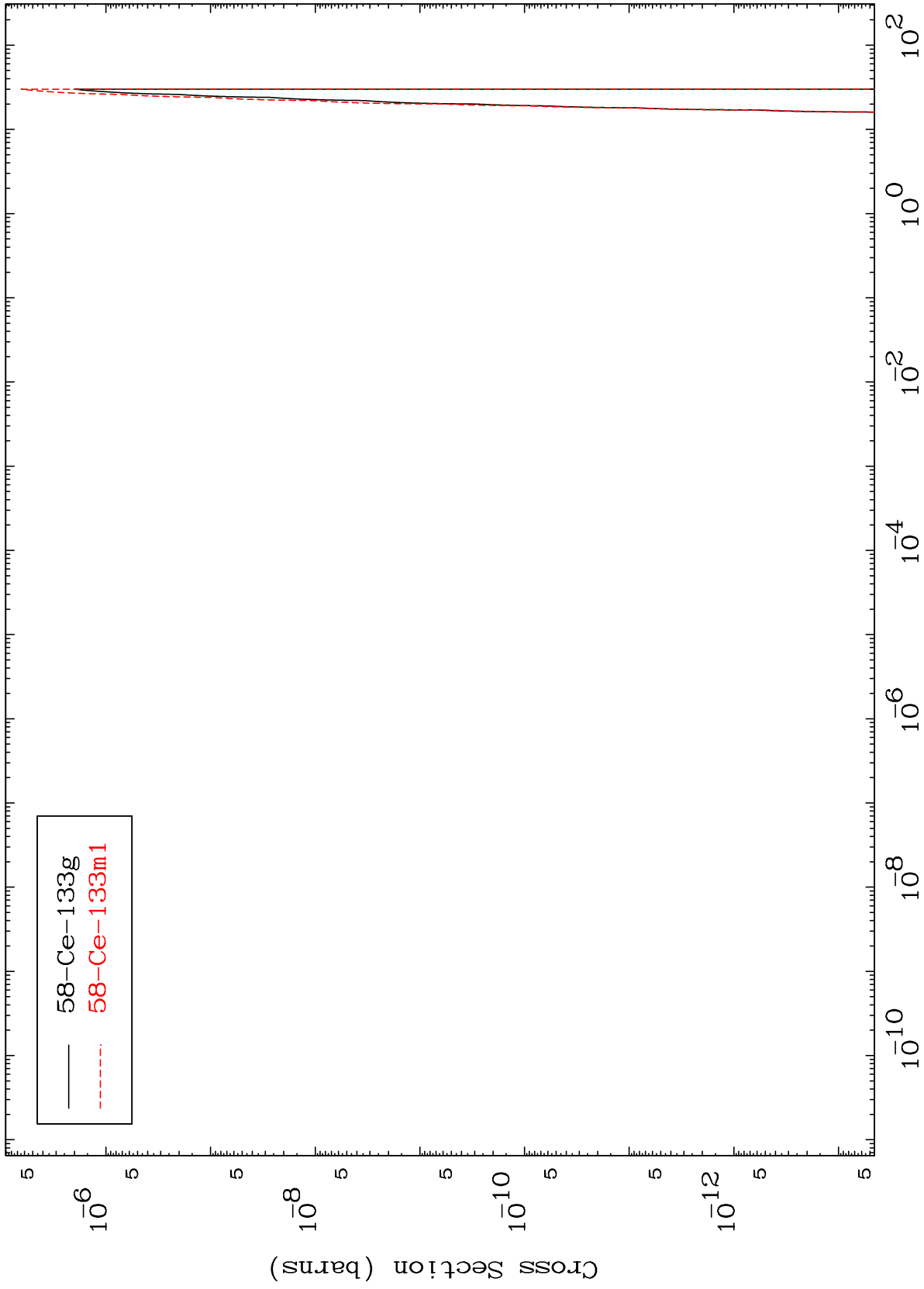
60-Nd-137

MAT 6010

($\alpha, 2\alpha$)

60-Nd-137

Radionuclide Production Cross Section

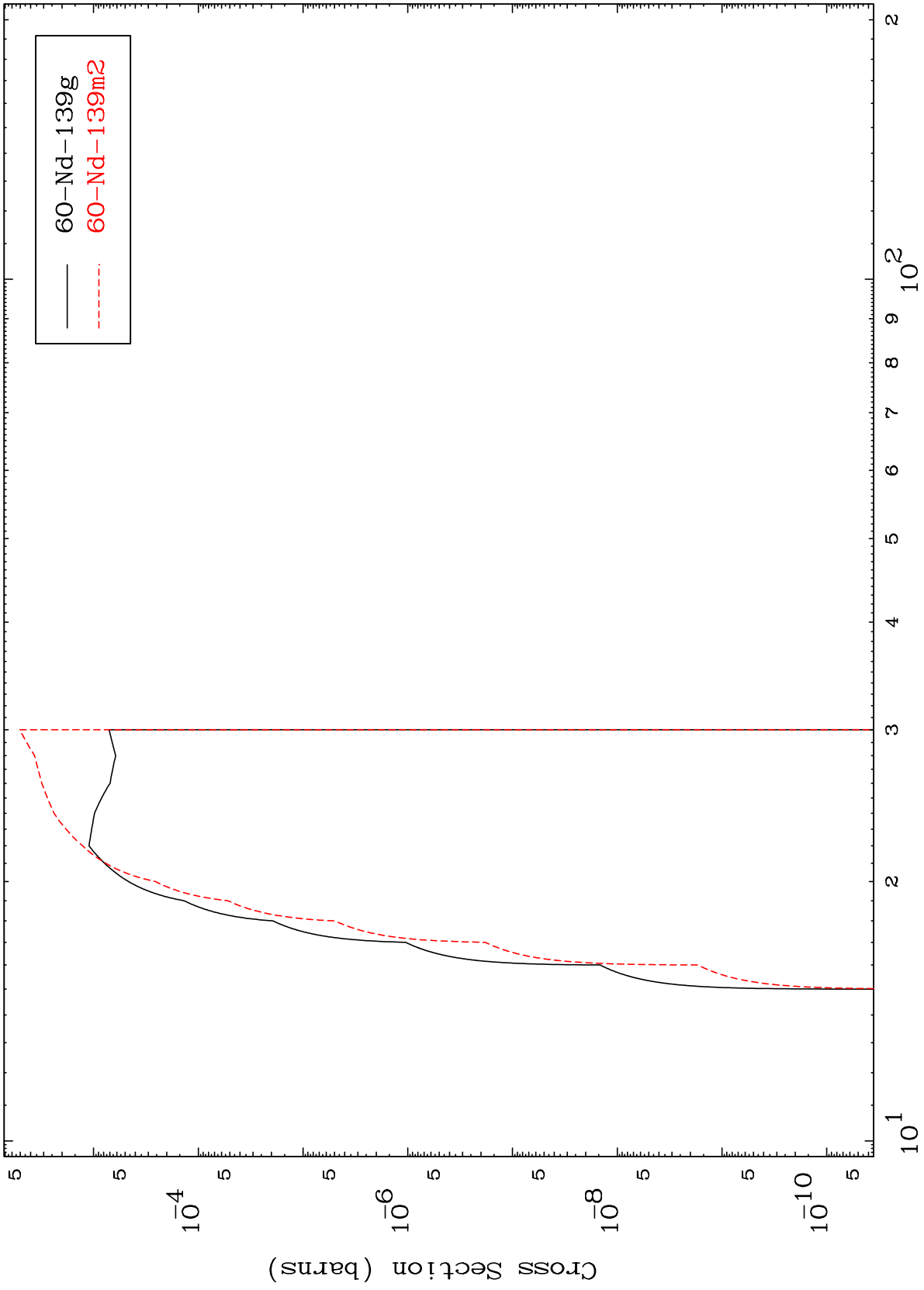


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MAT 6010

60-Nd-137

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



21

Incident Energy (MeV)

60-Nd-137

