

Program EVALPLOT
(Version 2018-1)

by

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(Present Contact Information)

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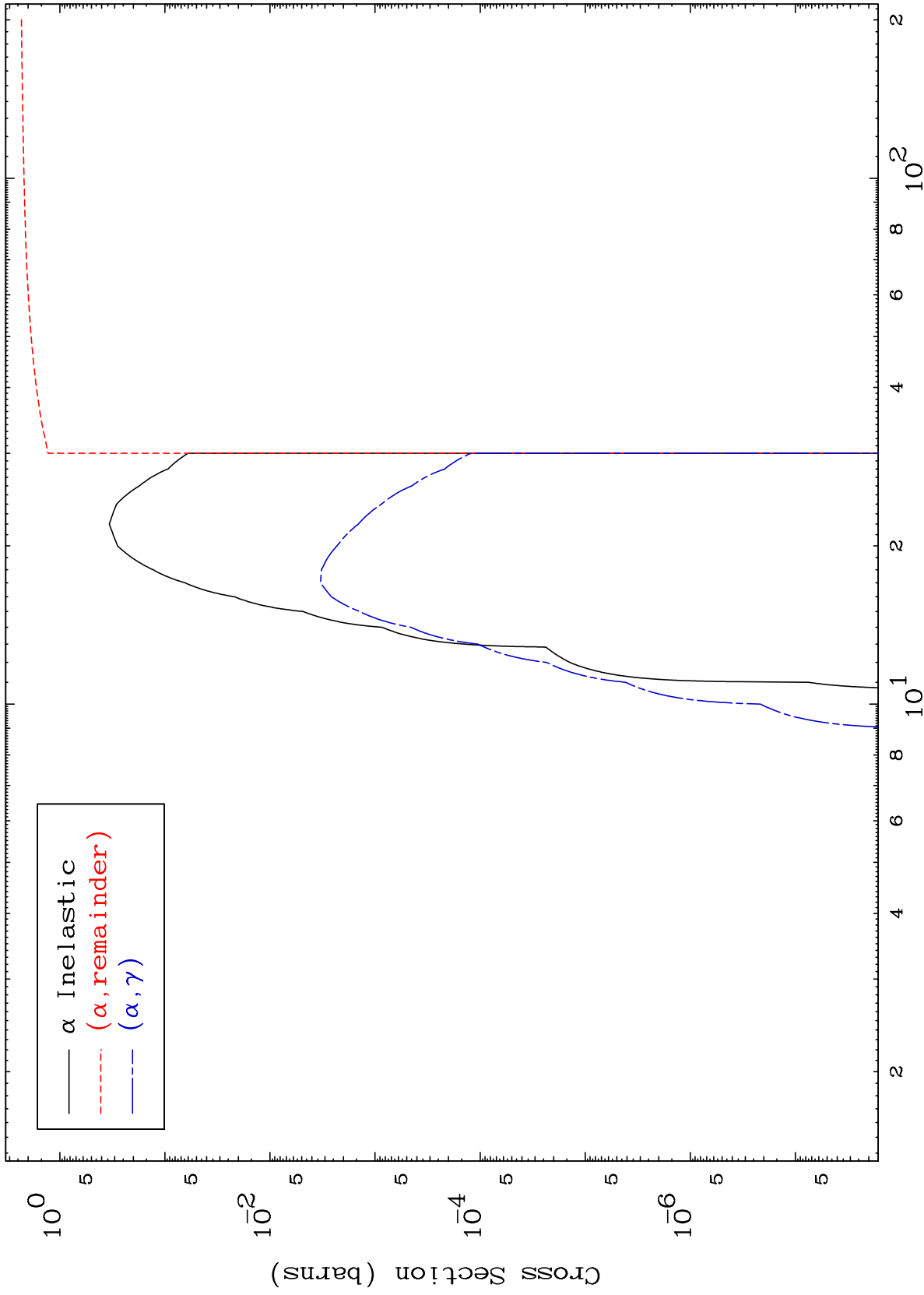
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6004

0 Kelvin α Major
Cross Sections

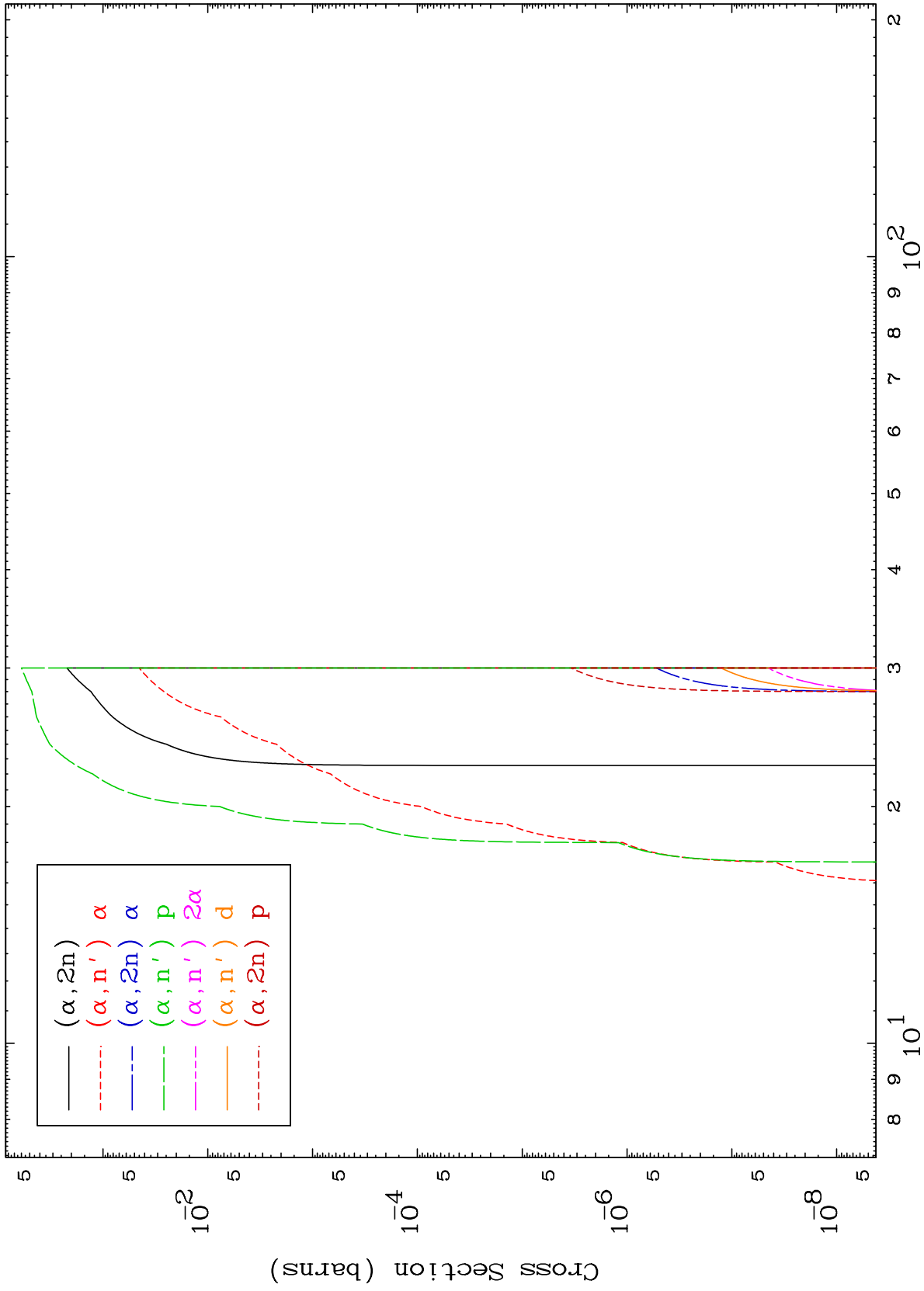
60-Nd-135



MAT 6004

α Neutron Production
0 Kelvin Cross Sections

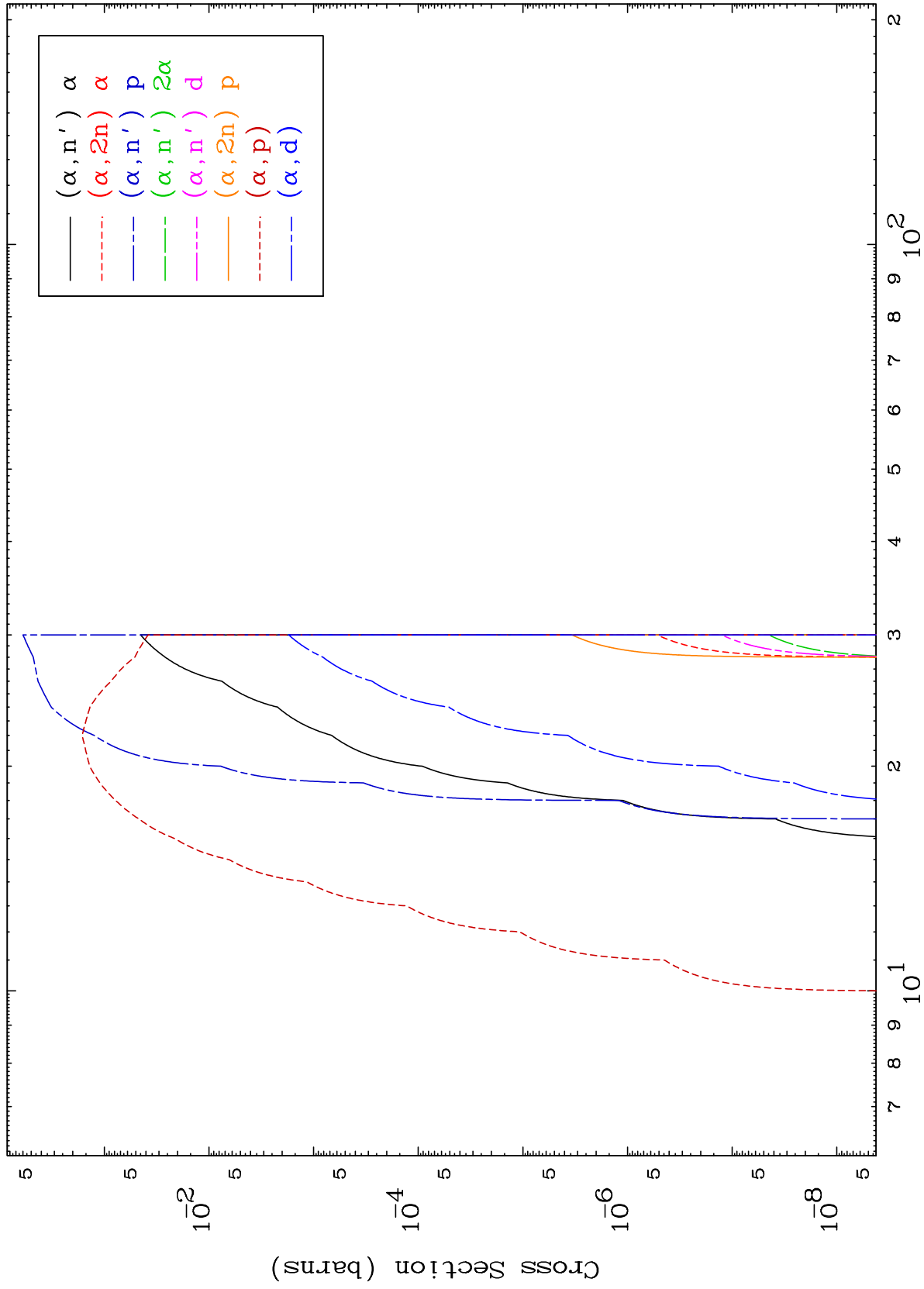
60-Nd-135



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Incident Energy (MeV)

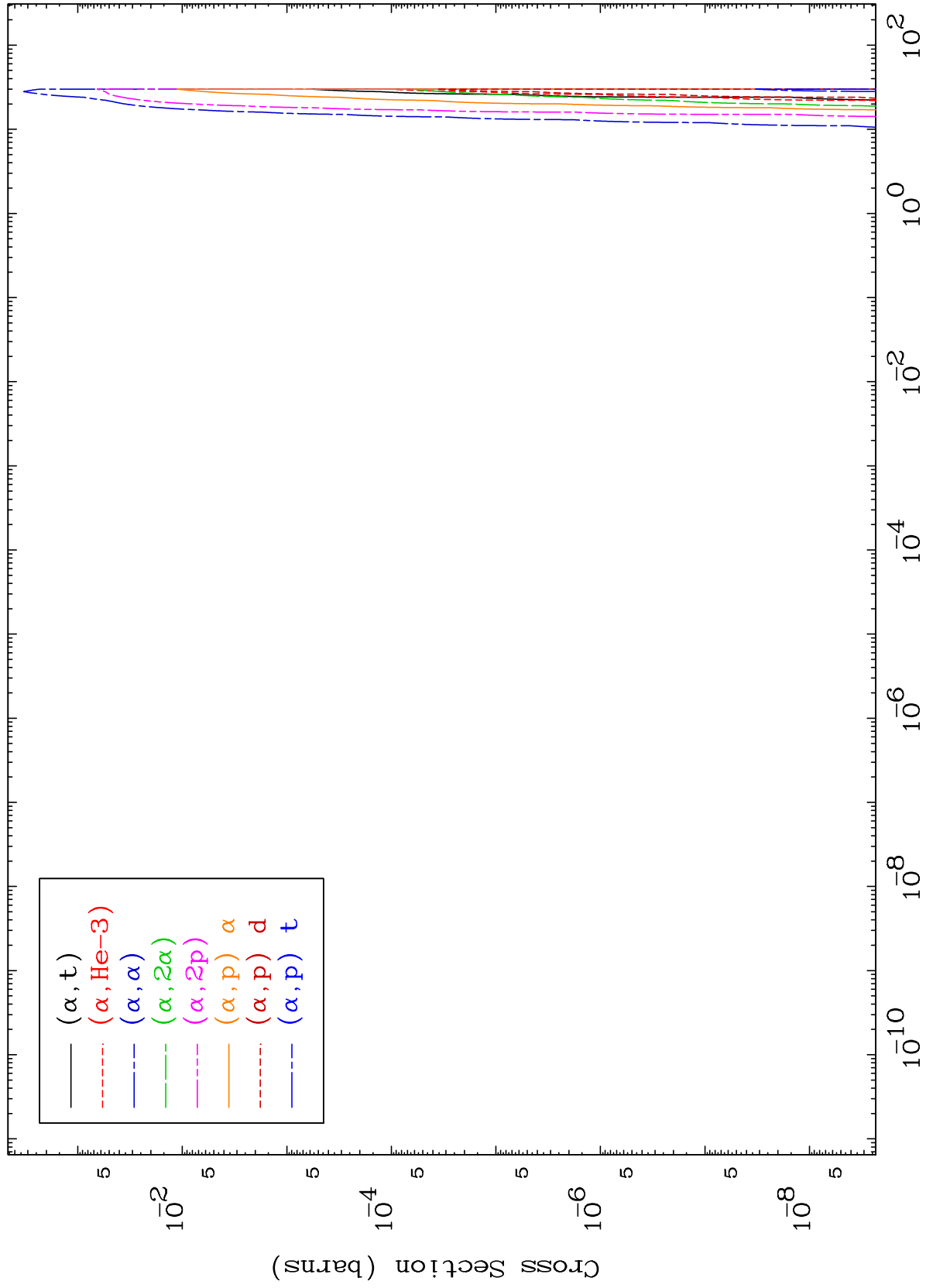
60-Nd-135



MAT 6004

α Charged Particle
0 Kelvin Cross Sections

60-Nd-135

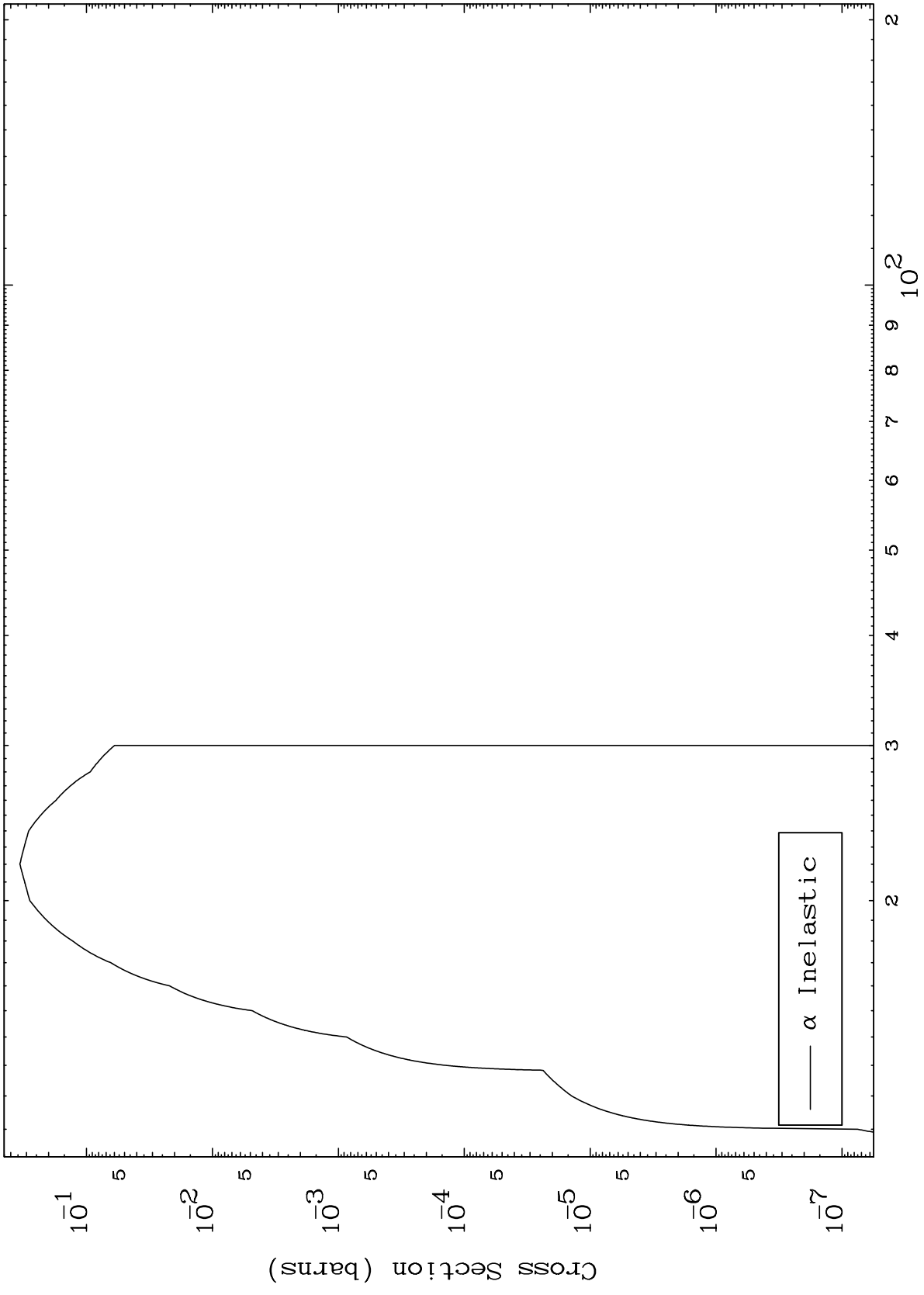


60-Nd-135

MAT 6004

(α, n') Level
0 Kelvin Cross Sections

60-Nd-135



5

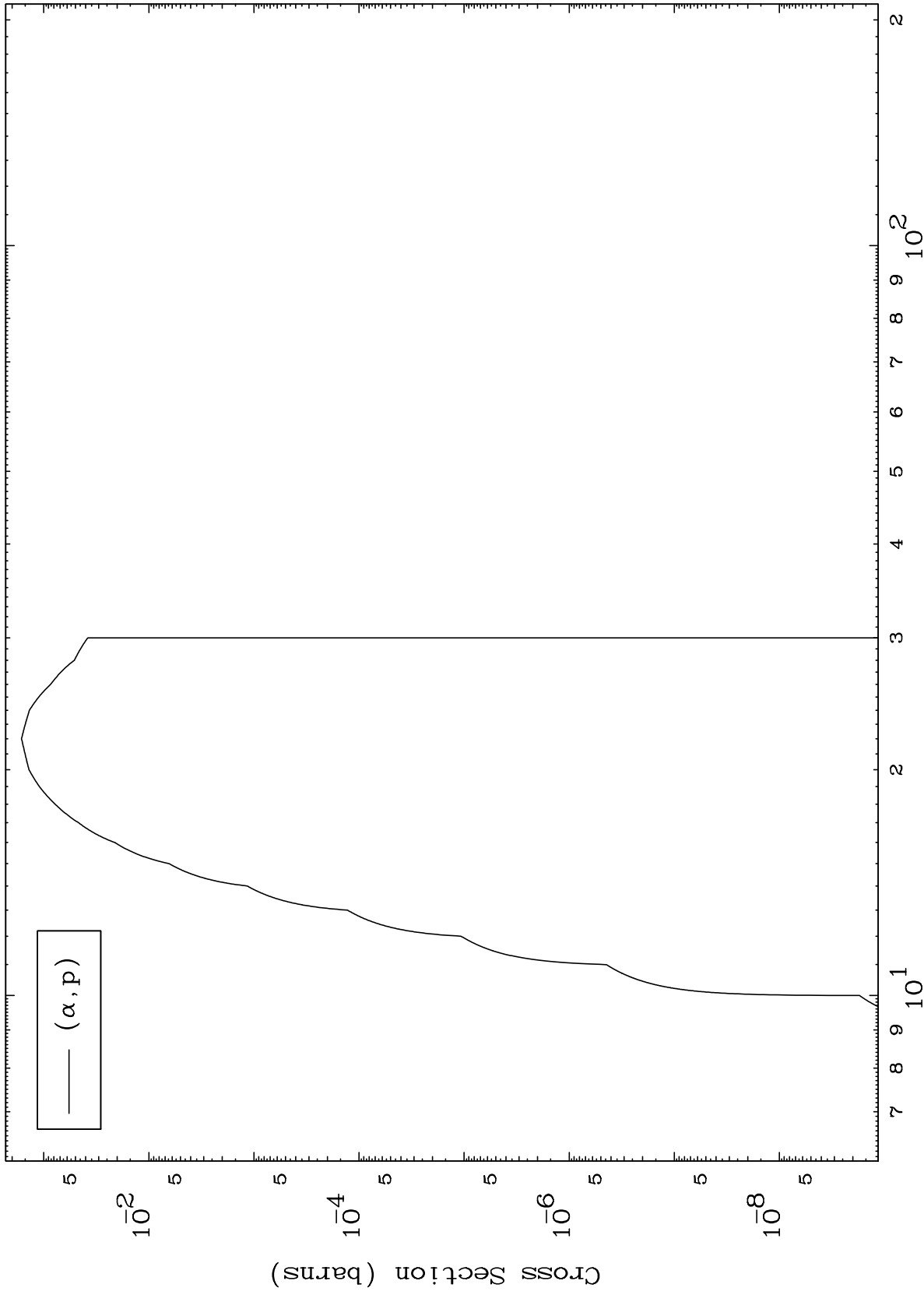
Incident Energy (MeV)

60-Nd-135

MAT 6004

(α, p) Levels
0 Kelvin Cross Sections

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



6

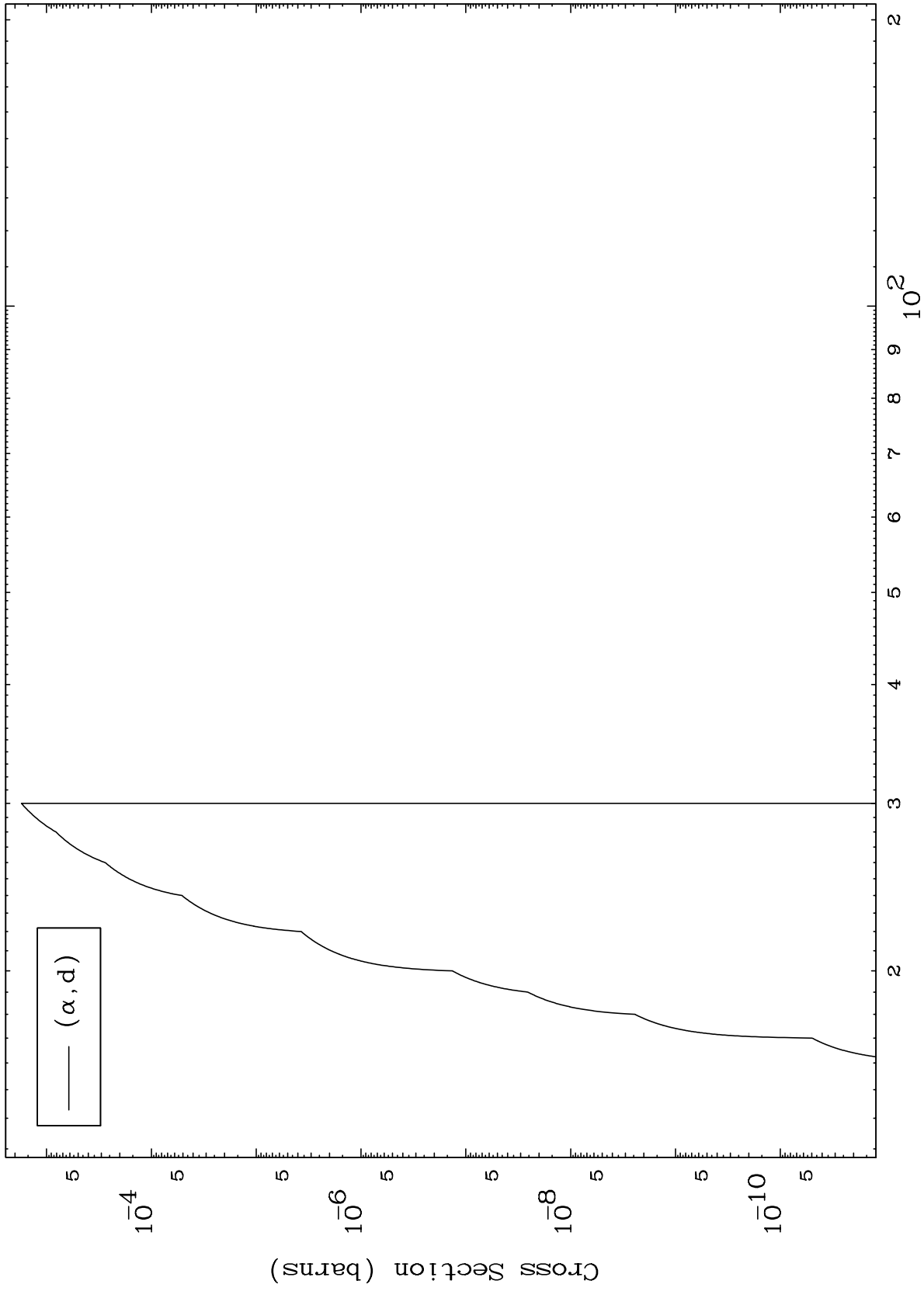
Incident Energy (MeV)

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

MAT 6004

(α, d) Levels
0 Kelvin Cross Sections

60-Nd-135



7

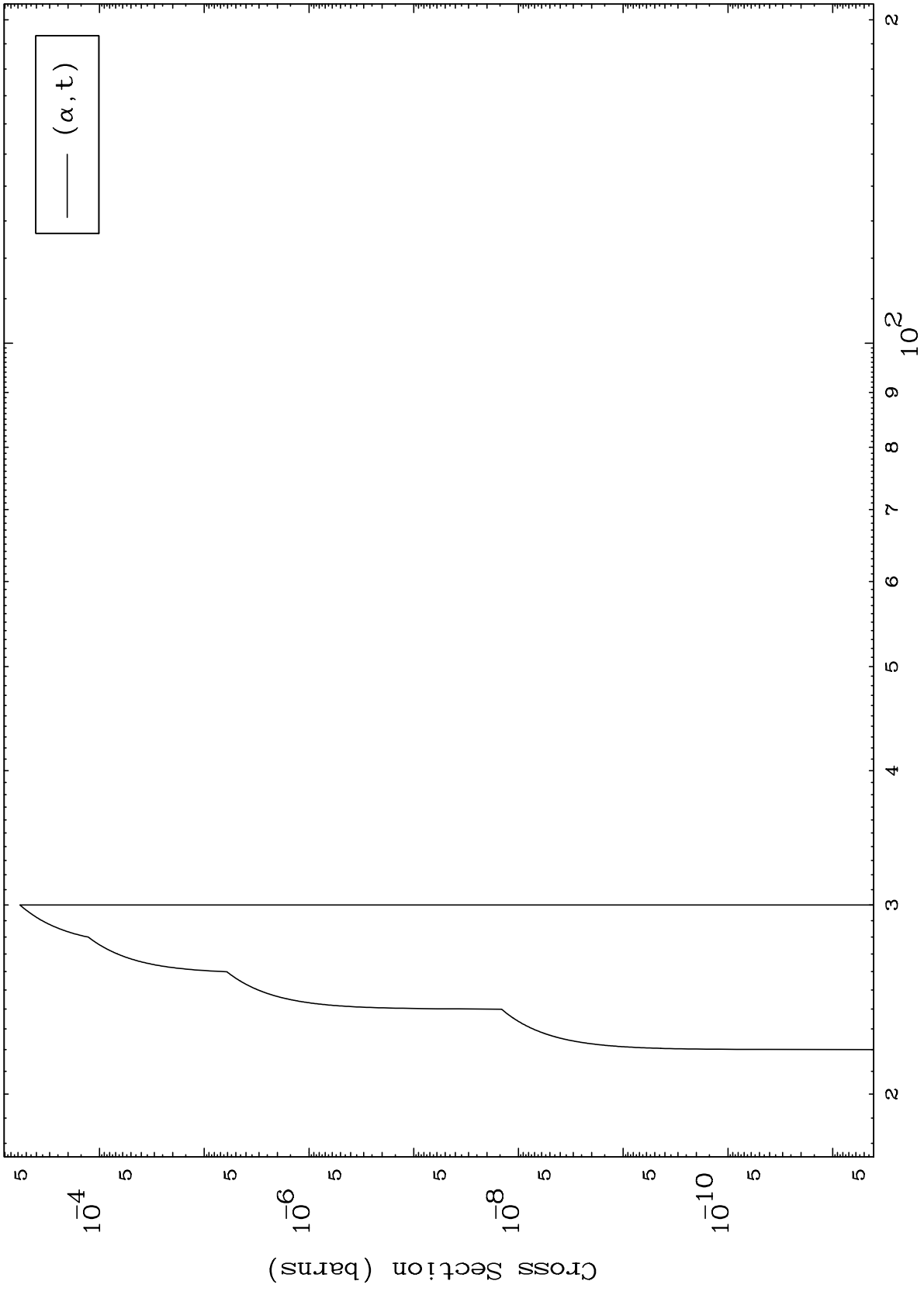
Incident Energy (MeV)

60-Nd-135

MAT 6004

(α, t) Levels
0 Kelvin Cross Sections

60-Nd-135



8

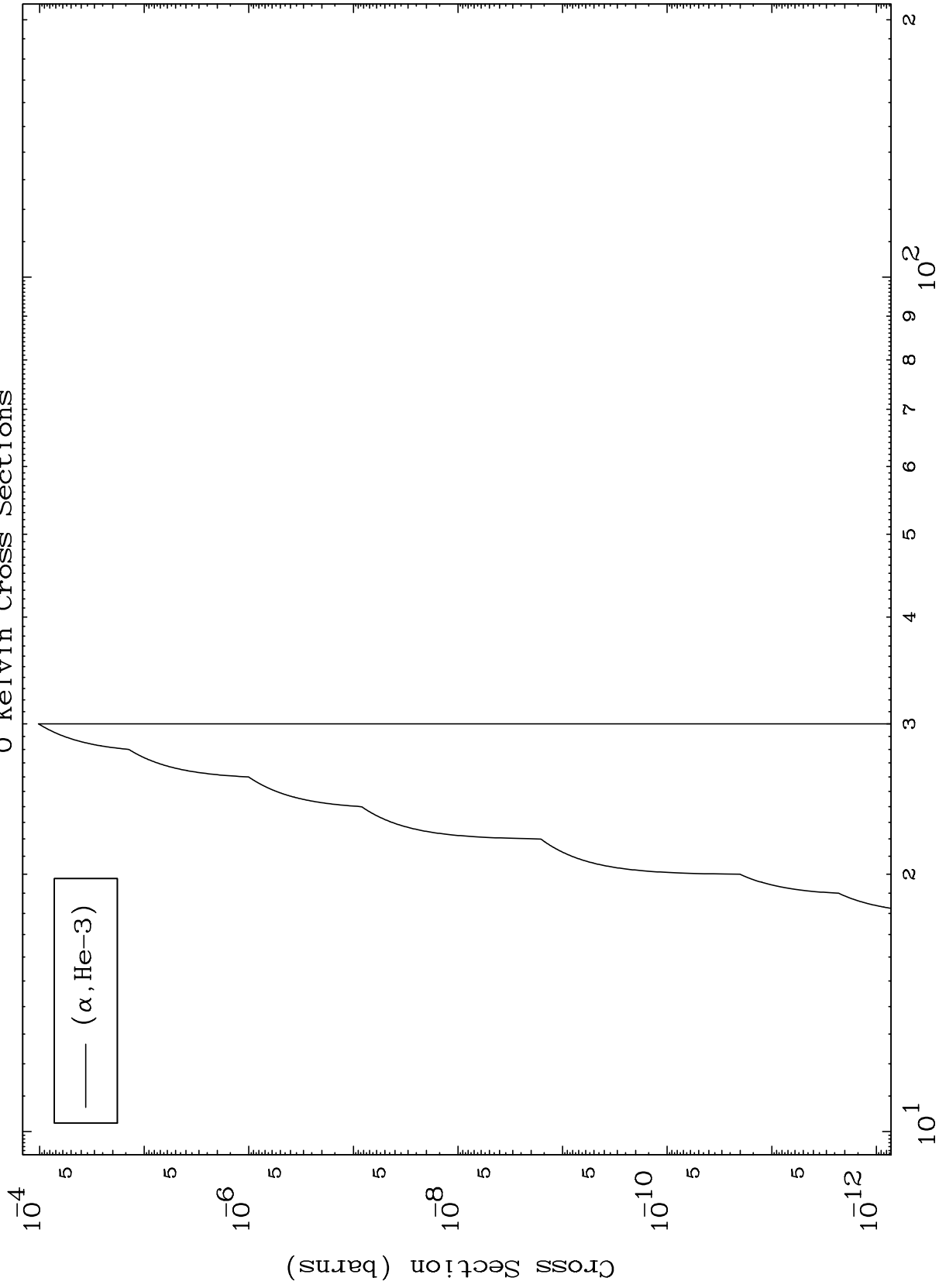
Incident Energy (MeV)

60-Nd-135

MAT 6004

(α ,He3) Levels
0 Kelvin Cross Sections

60-Nd-135



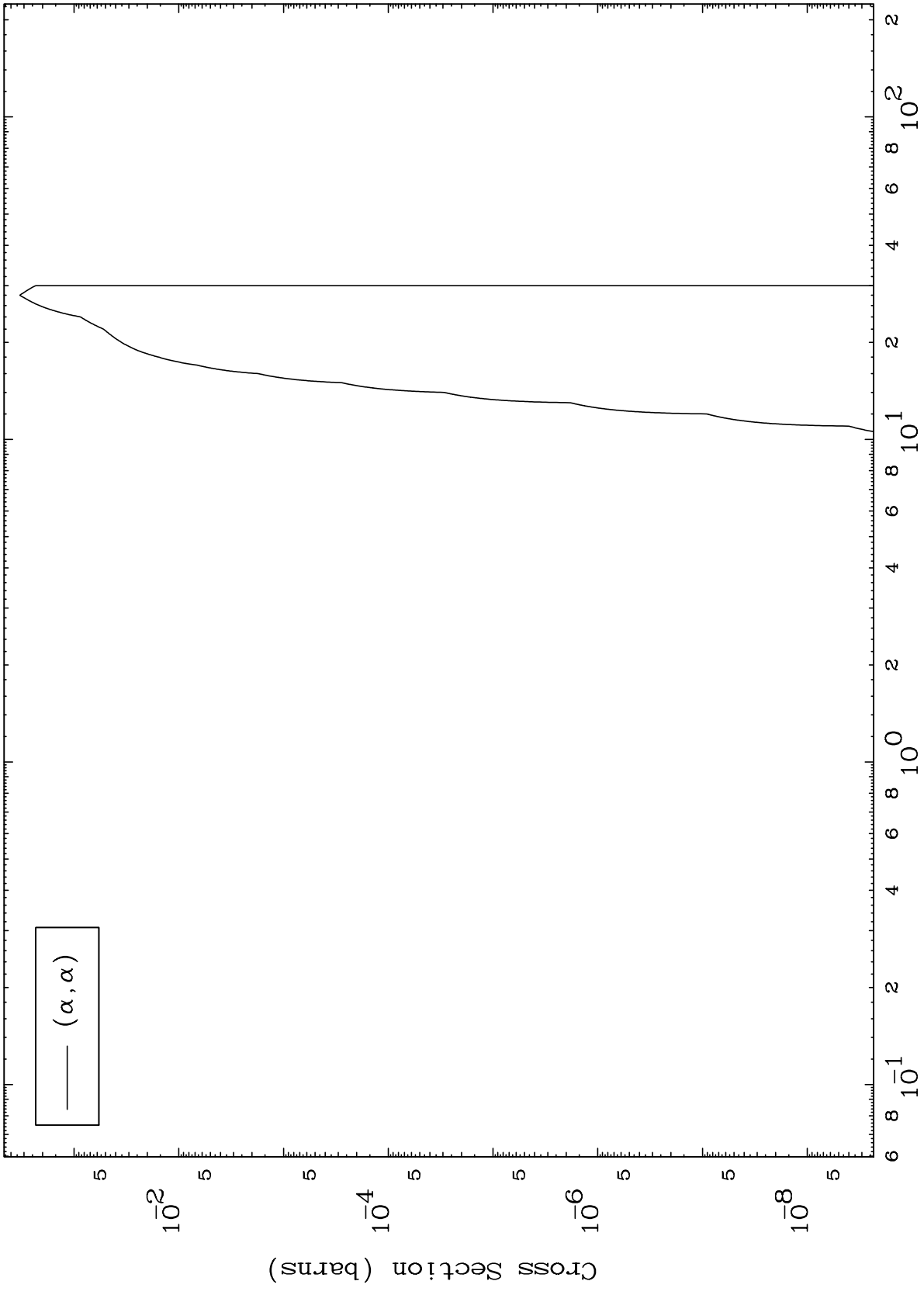
Incident Energy (MeV)

60-Nd-135

MAT 6004

(α, α) Levels
0 Kelvin Cross Sections

60-Nd-135



10

Incident Energy (MeV)

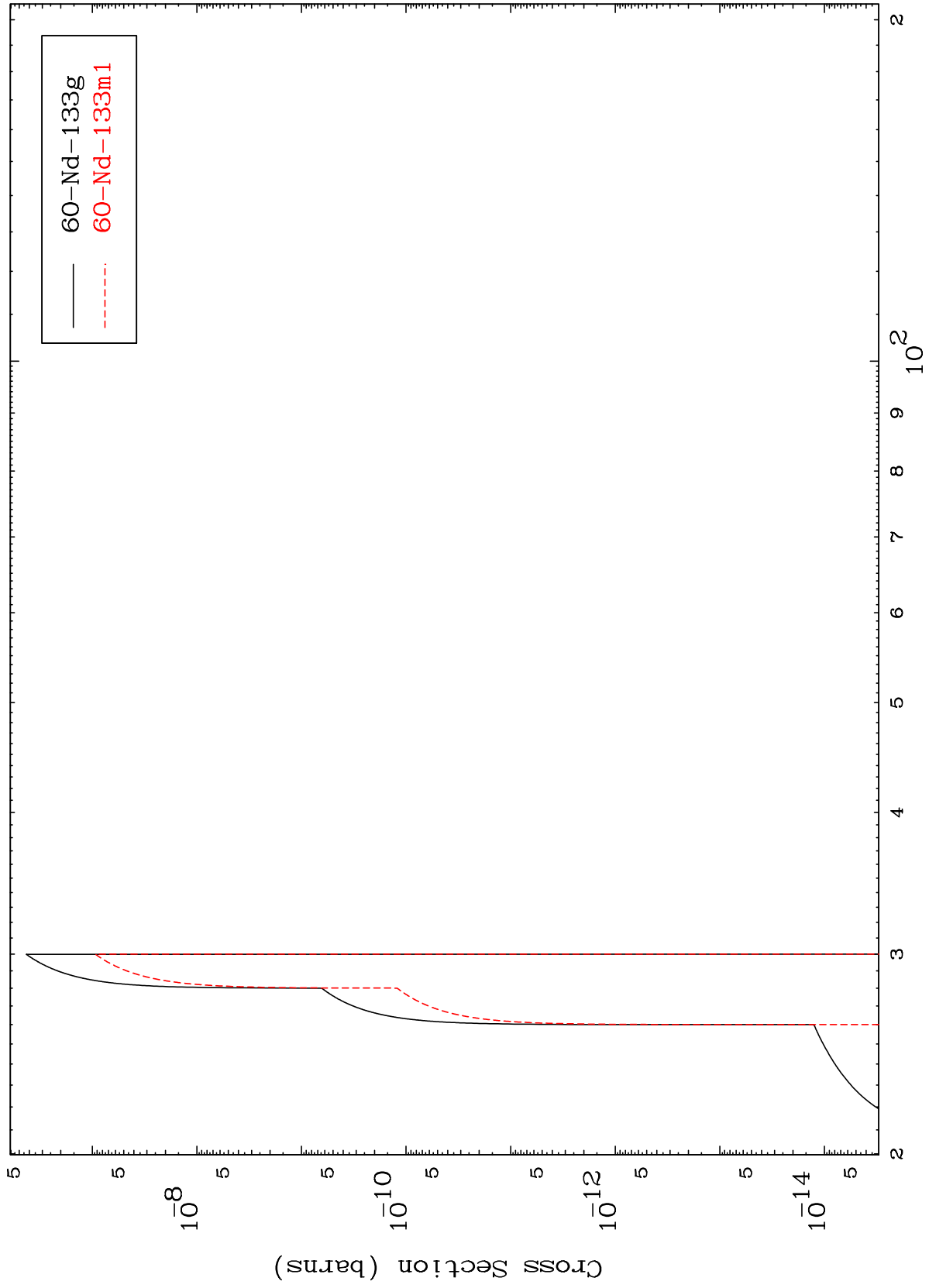
60-Nd-135

MAT 6004

$(\alpha, 2n) \alpha$

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

Radionuclide Production Cross Section



11

Incident Energy (MeV)

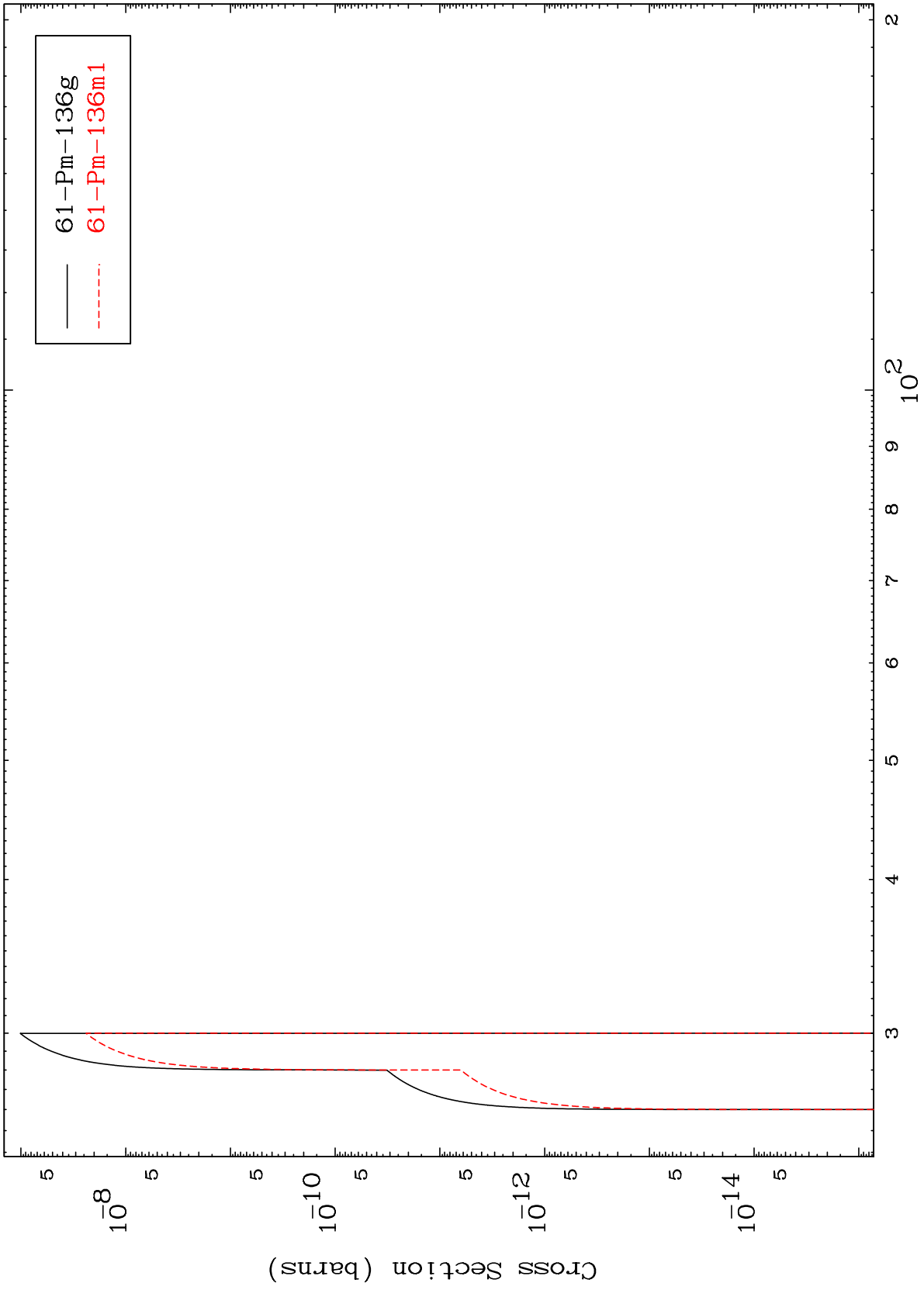
$^{60}\text{Nd}-^{135}$

MAT 6004

(α, n') d

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

Radionuclide Production Cross Section



— $^{61}\text{Pm}-^{136}\text{g}$
- - - $^{61}\text{Pm}-^{136}\text{m1}$

12

Incident Energy (MeV)

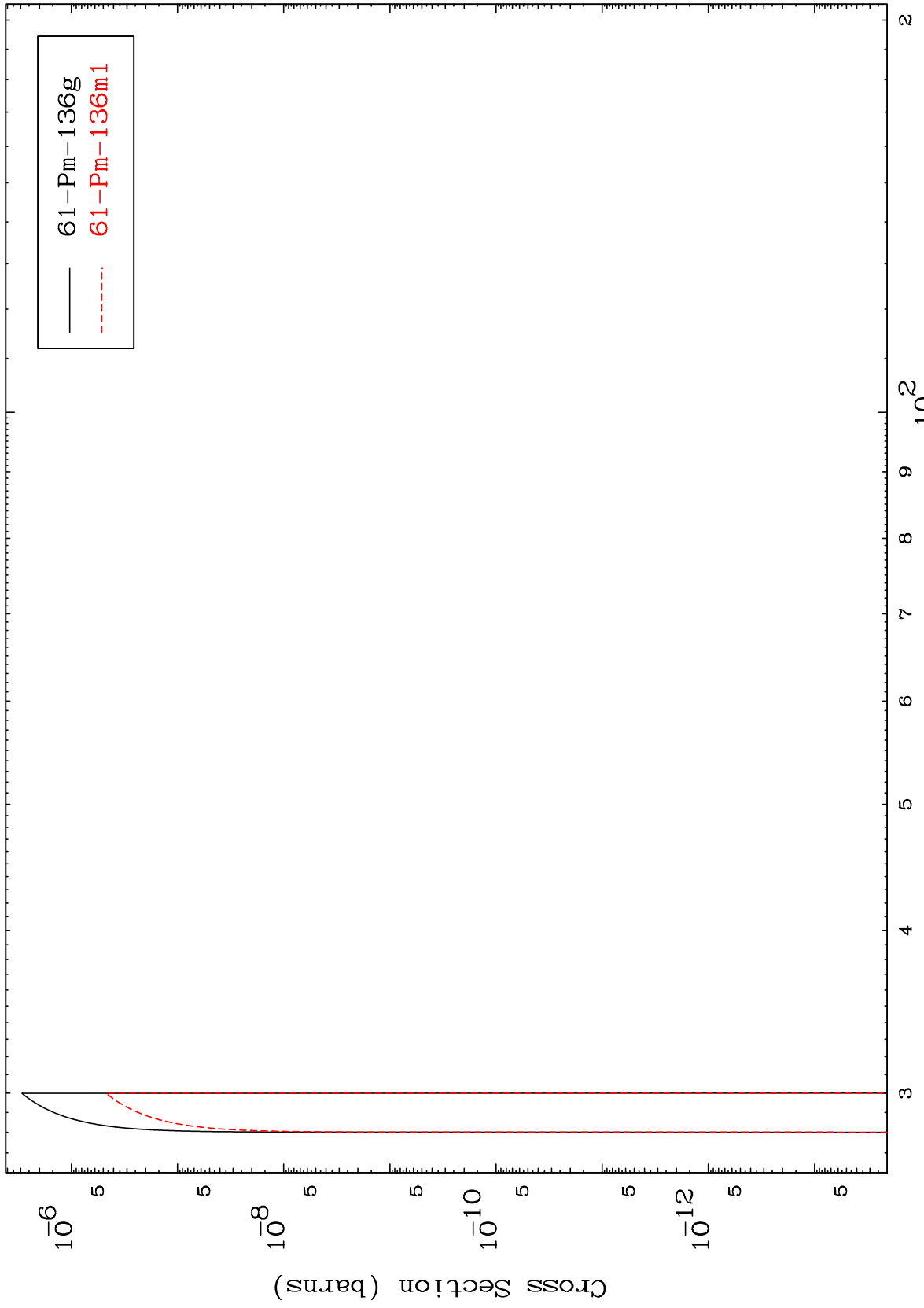
$^{60}\text{Nd}-^{135}$

MAT 6004

$(\alpha, 2n)$ p

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

Radionuclide Production Cross Section



13

Incident Energy (MeV)

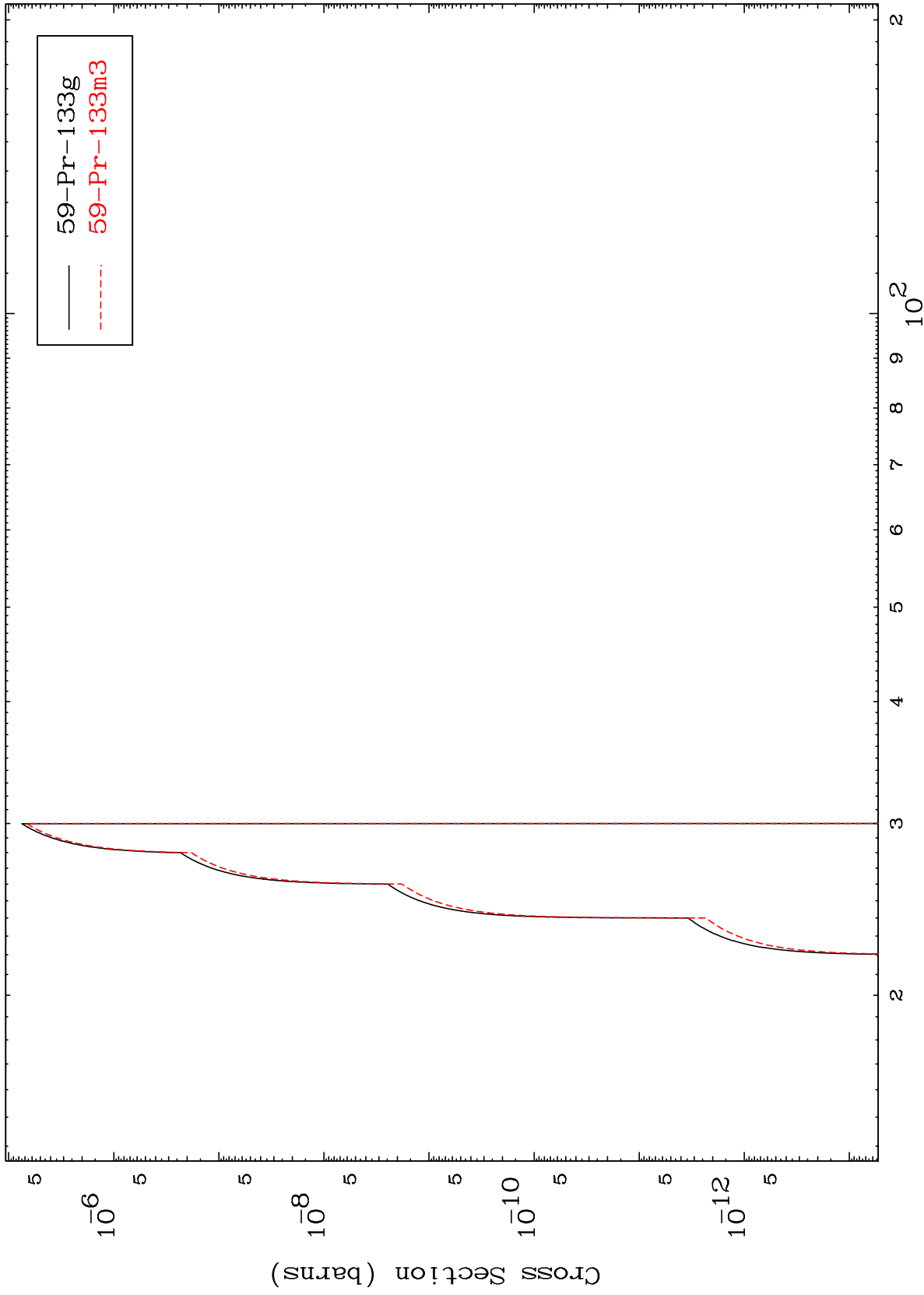
$^{60}\text{Nd}-^{135}$

MAT 6004

(α, n') p α

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

Radionuclide Production Cross Section



14

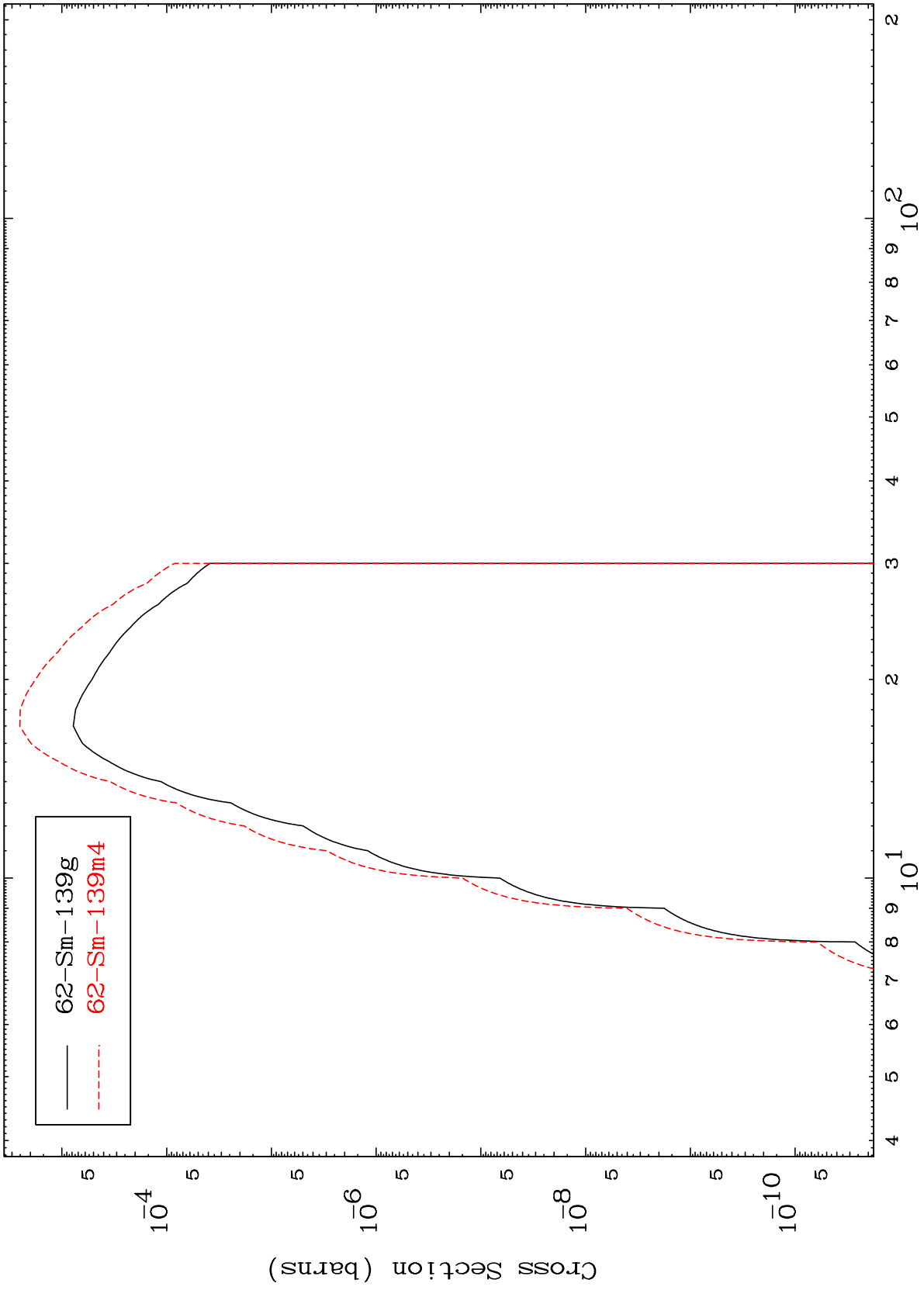
Incident Energy (MeV)

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

MAT 6004

Radionuclide Production Cross Section
(α, γ)

60-Nd-135



15

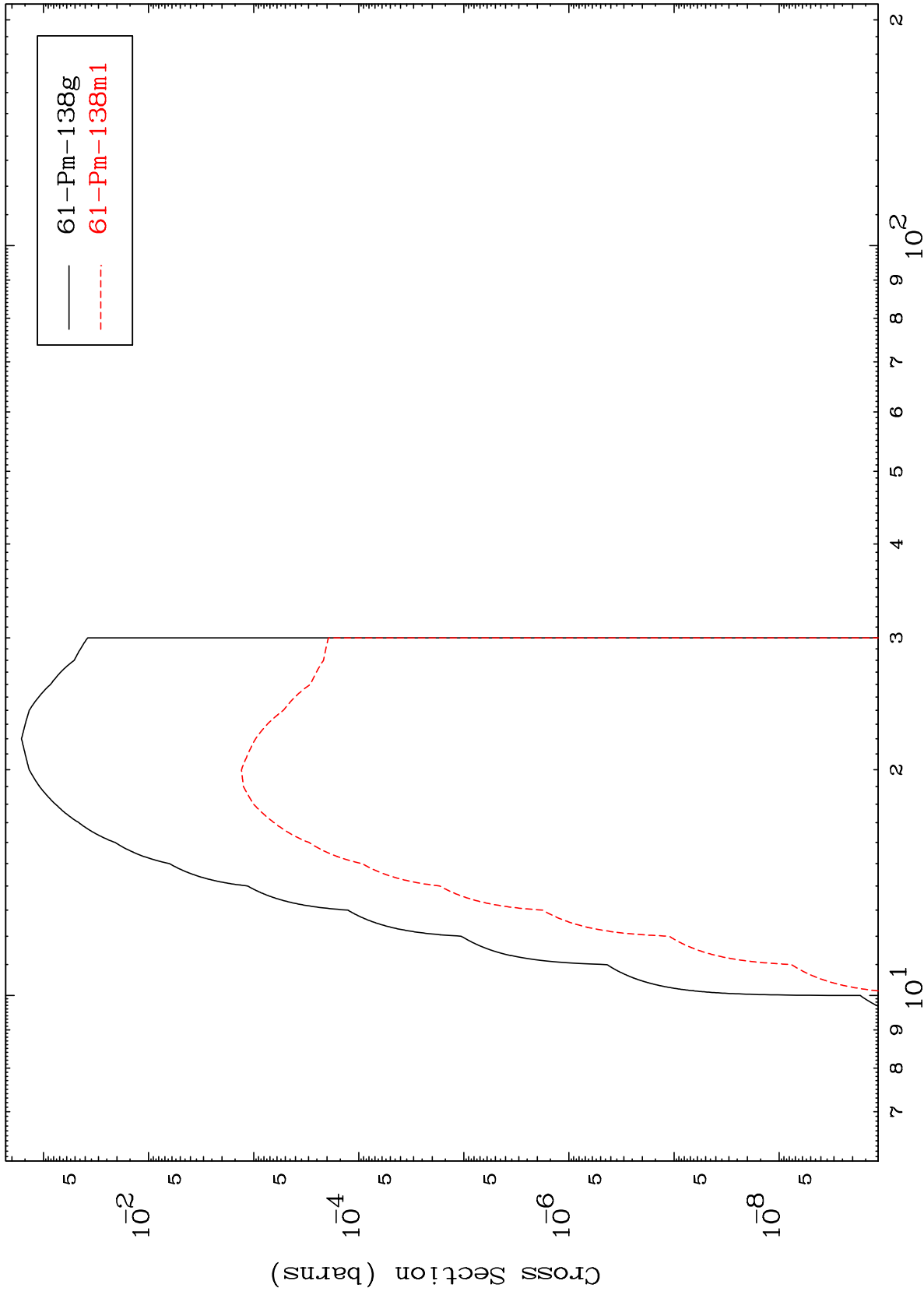
Incident Energy (MeV)

60-Nd-135

MAT 6004

60-Nd-135

(α, p)
Radionuclide Production Cross Section



16

Incident Energy (MeV)

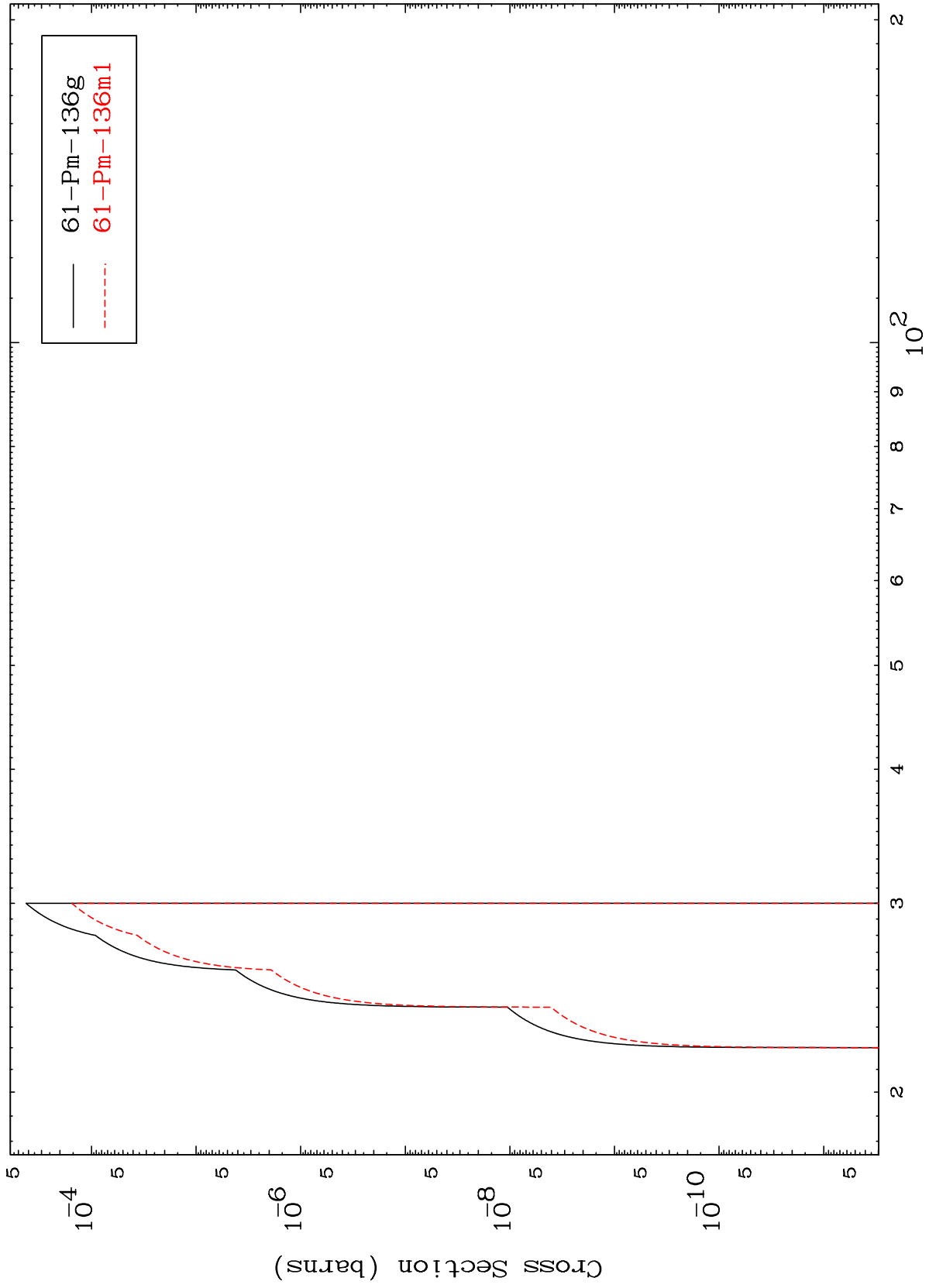
60-Nd-135

MAT 6004

(α, t)

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

Radionuclide Production Cross Section



17

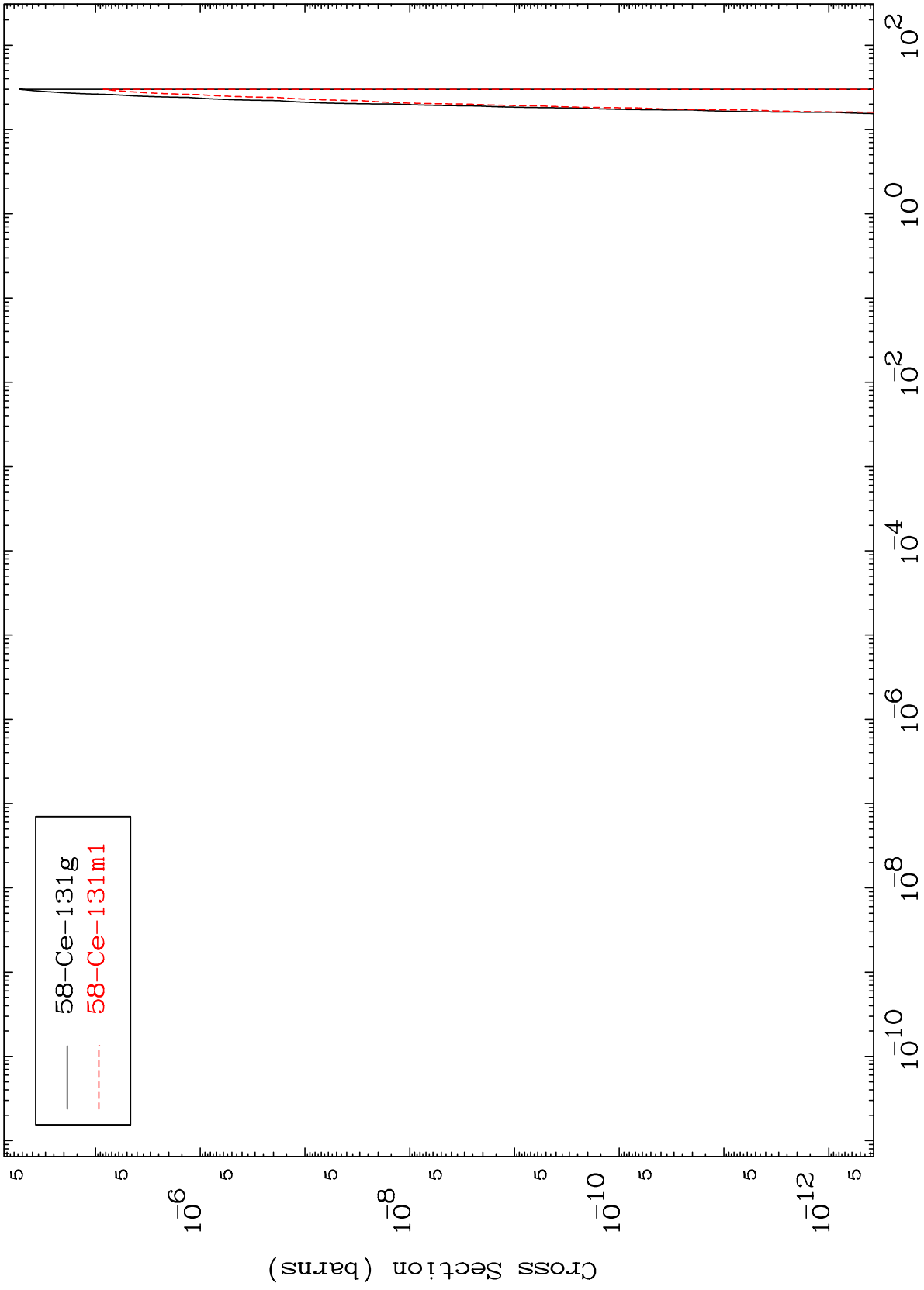
Incident Energy (MeV)

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

MAT 6004

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

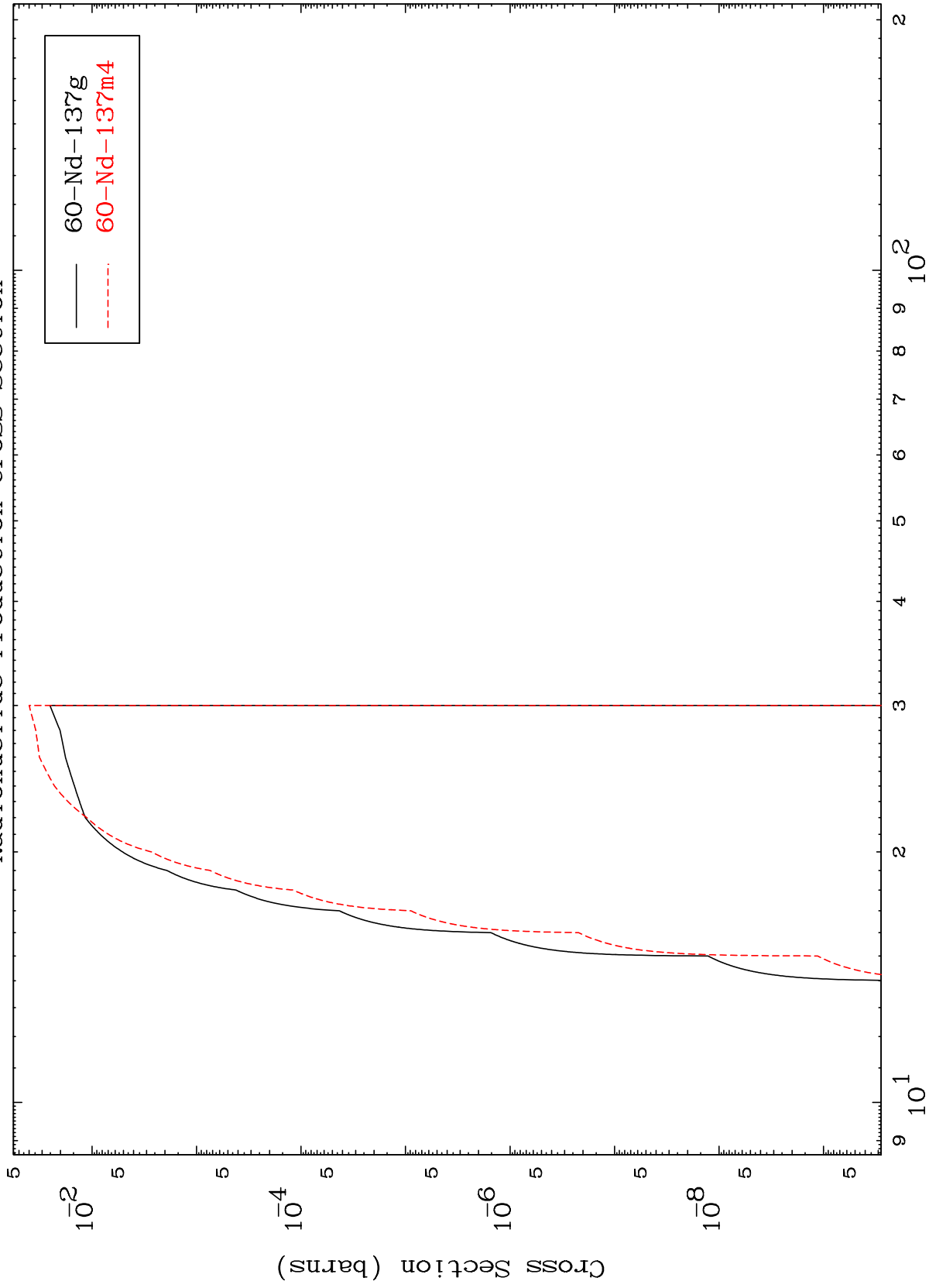
$^{60}\text{Nd}-135$



MAT 6004

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

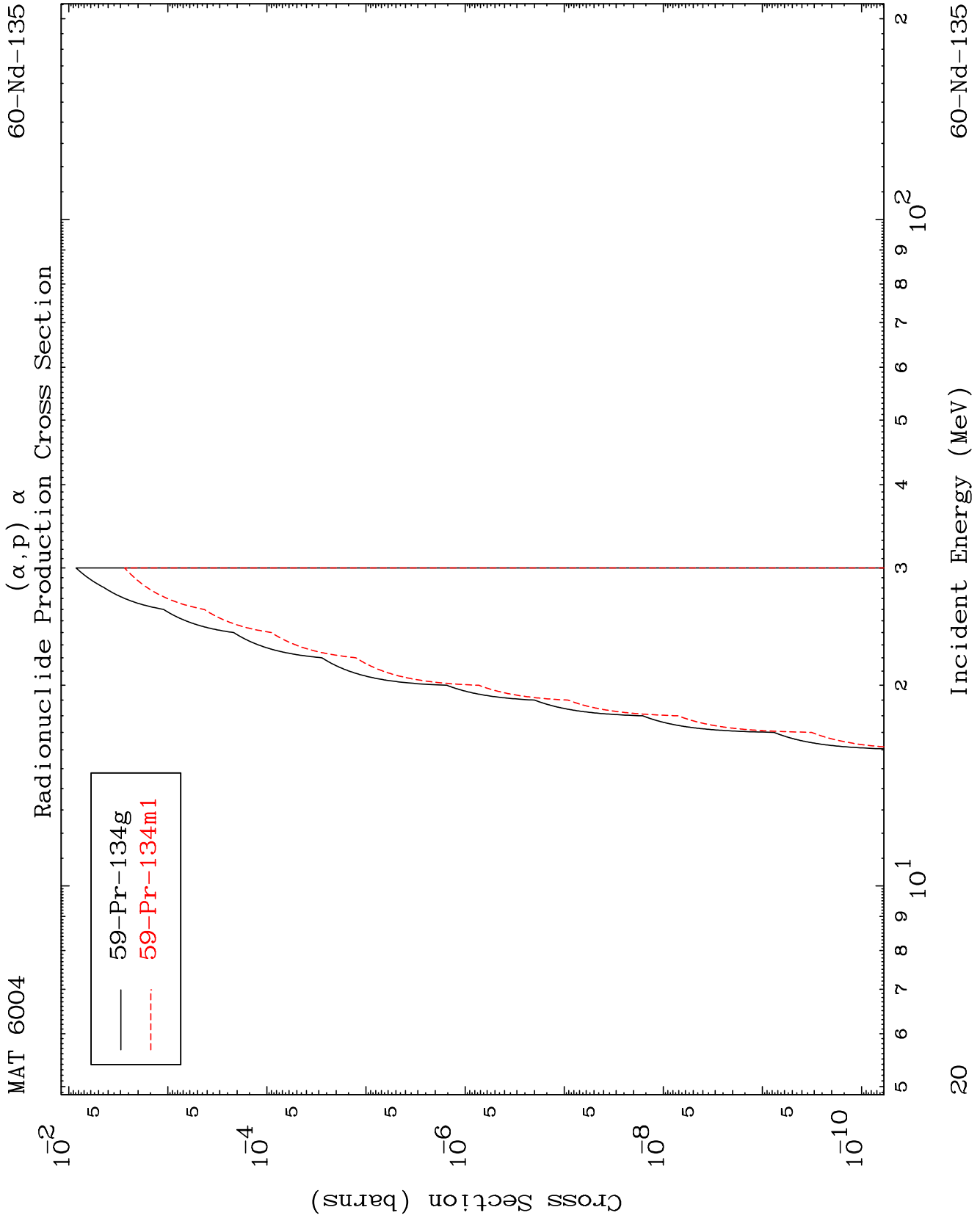
Radionuclide Production Cross Section
($\alpha, 2p$)



19

Incident Energy (MeV)

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



MAT 6004

(α, d) α

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

Radionuclide Production Cross Section

