

Program EVALPLOT
(Version 2018-1)

by

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(Present Contact Information)

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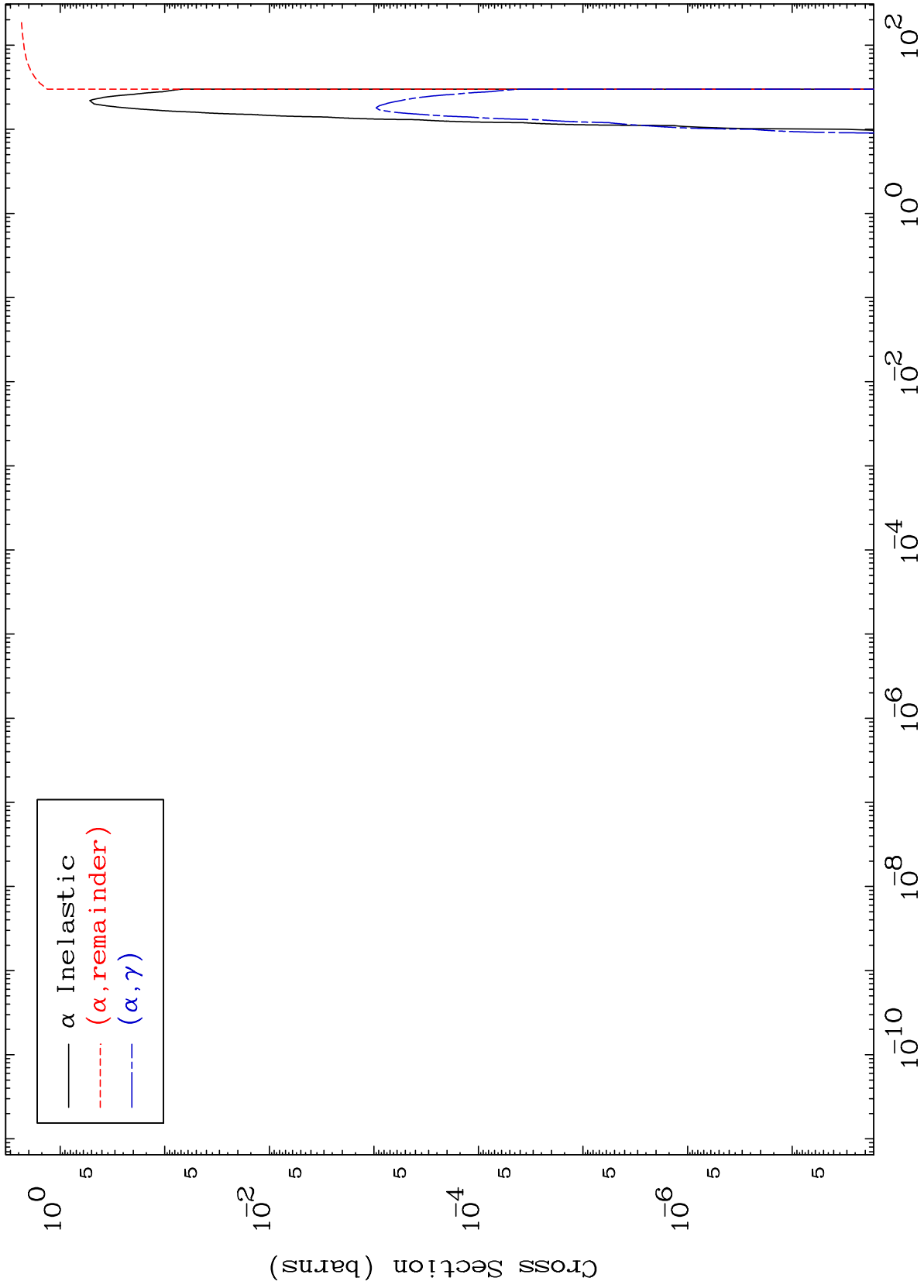
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6017

0 Kelvin α Major
Cross Sections

60-Nd-139



1

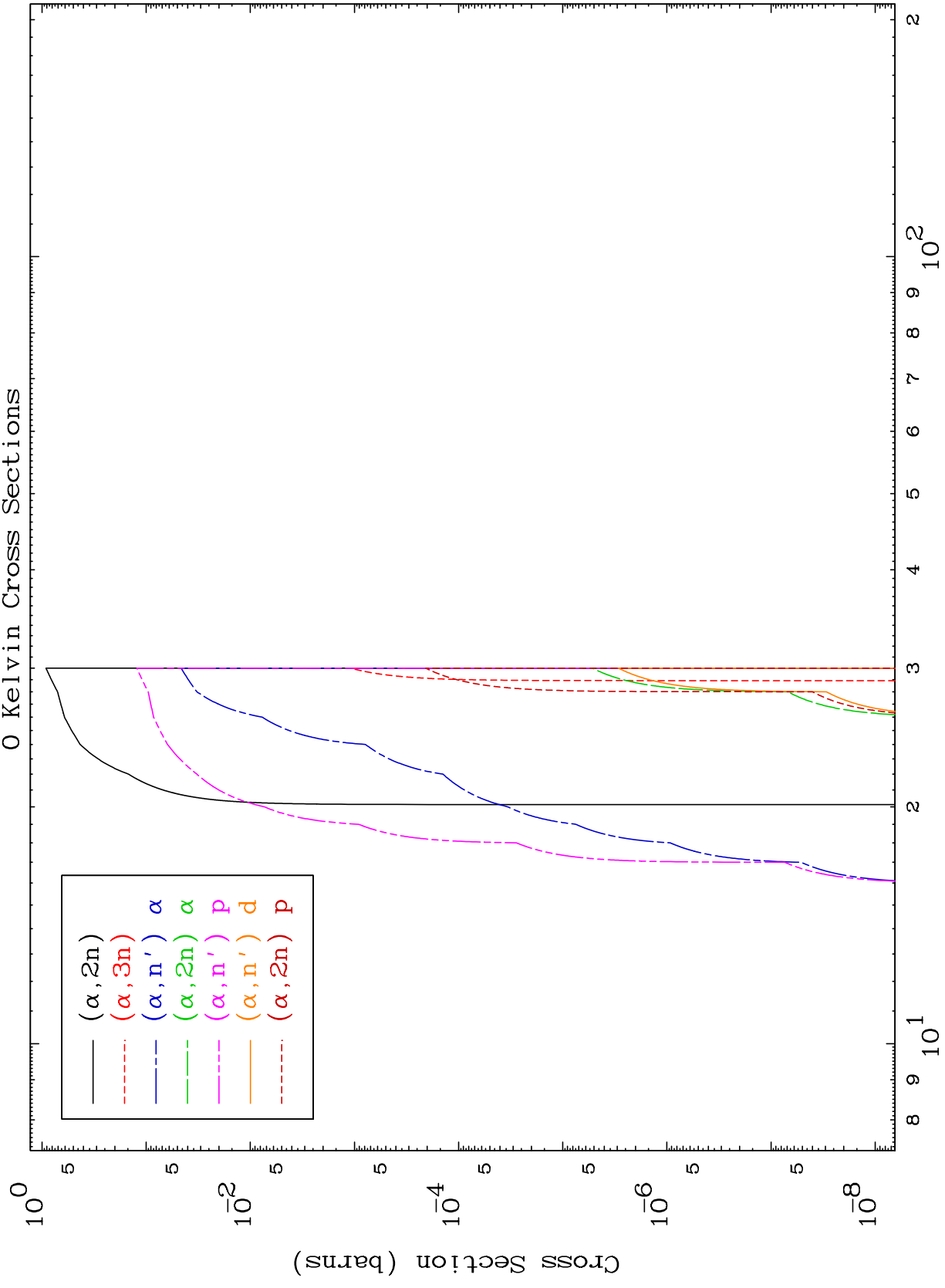
Incident Energy (MeV)

60-Nd-139

MAT 6017

α Neutron Production
0 Kelvin Cross Sections

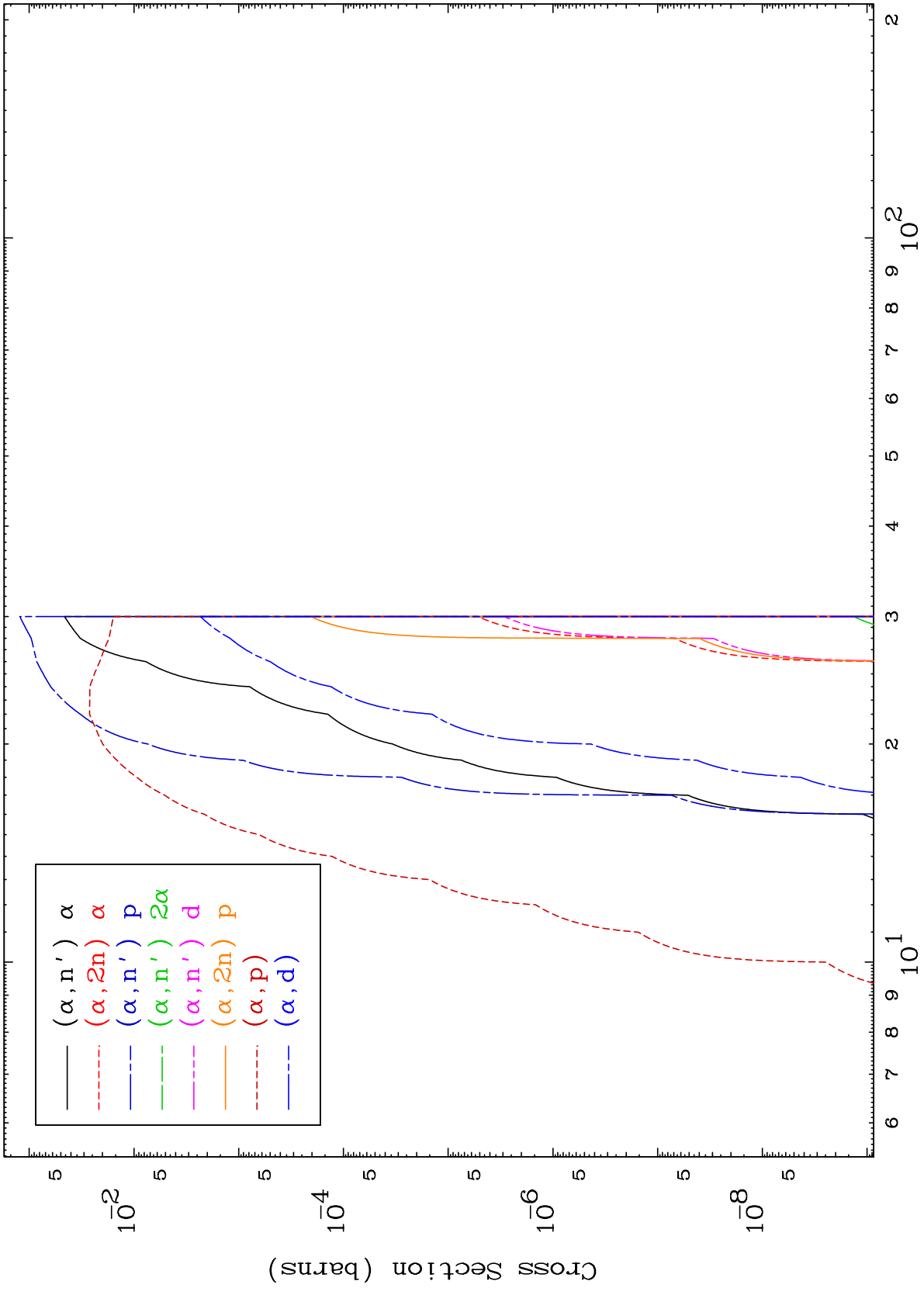
60-Nd-139



2

Incident Energy (MeV)

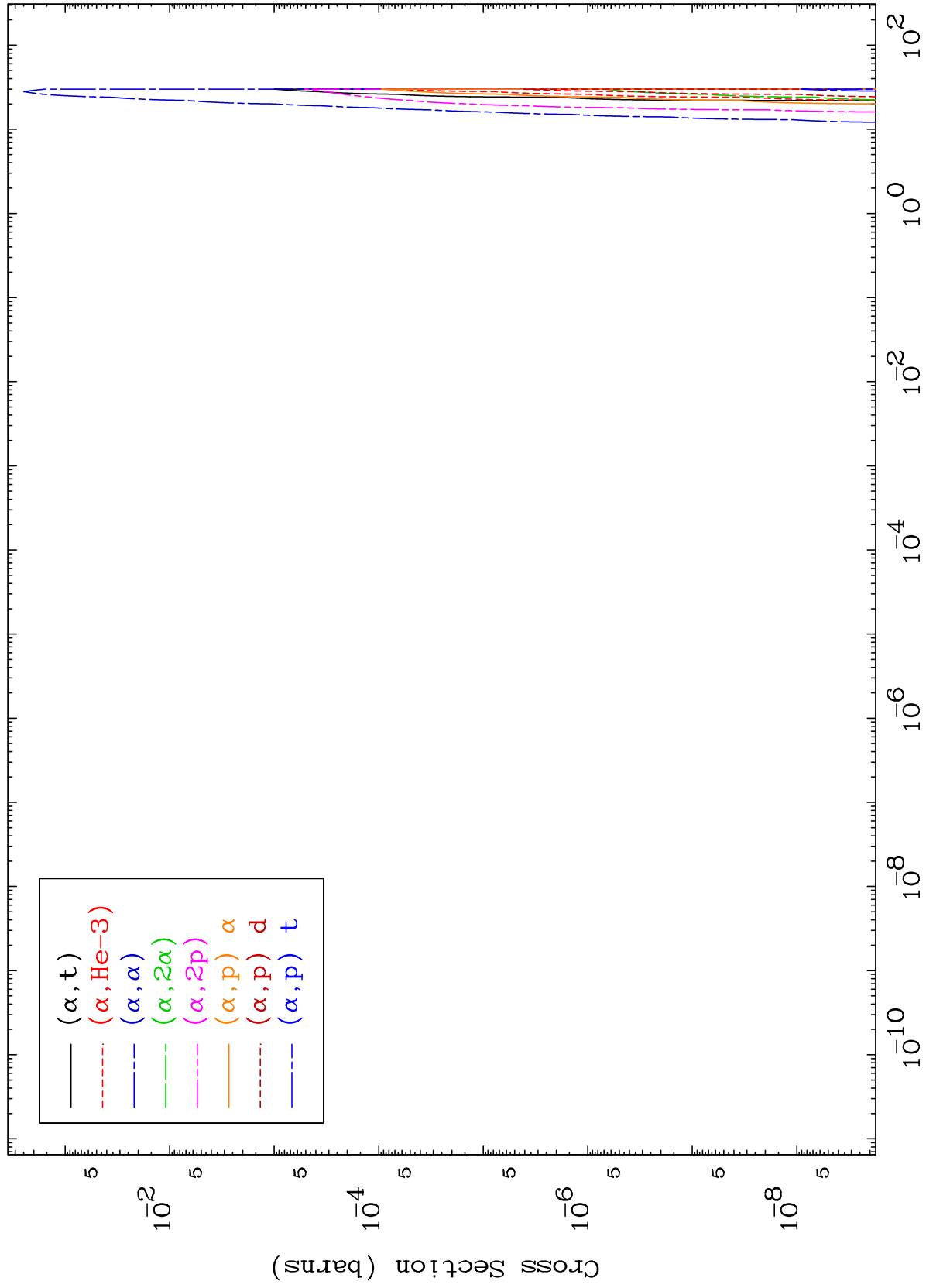
60-Nd-139



MAT 6017

α Charged Particle
0 Kelvin Cross Sections

60-Nd-139

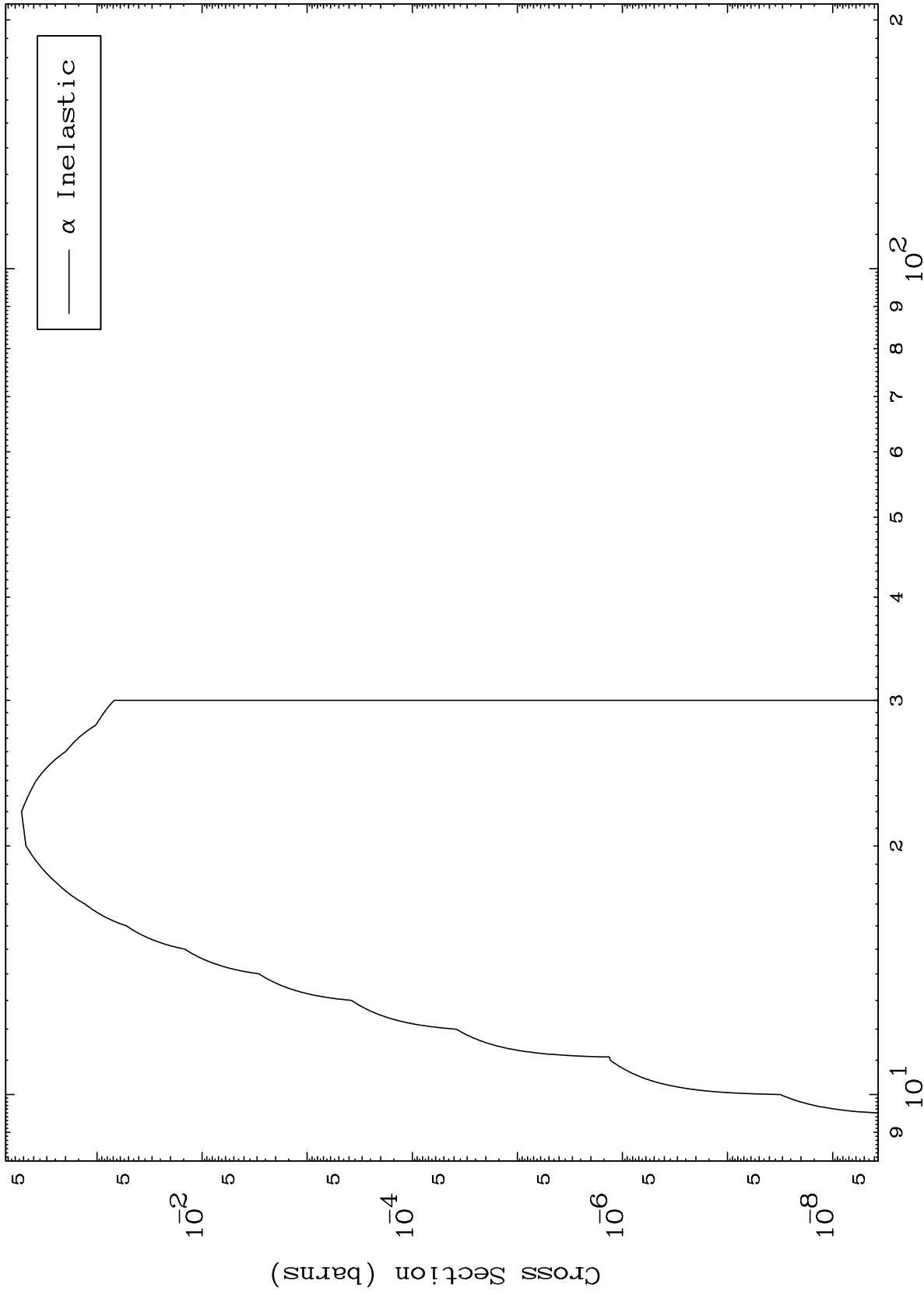


60-Nd-139

MAT 6017

(α, n') Level
0 Kelvin Cross Sections

60-Nd-139



5

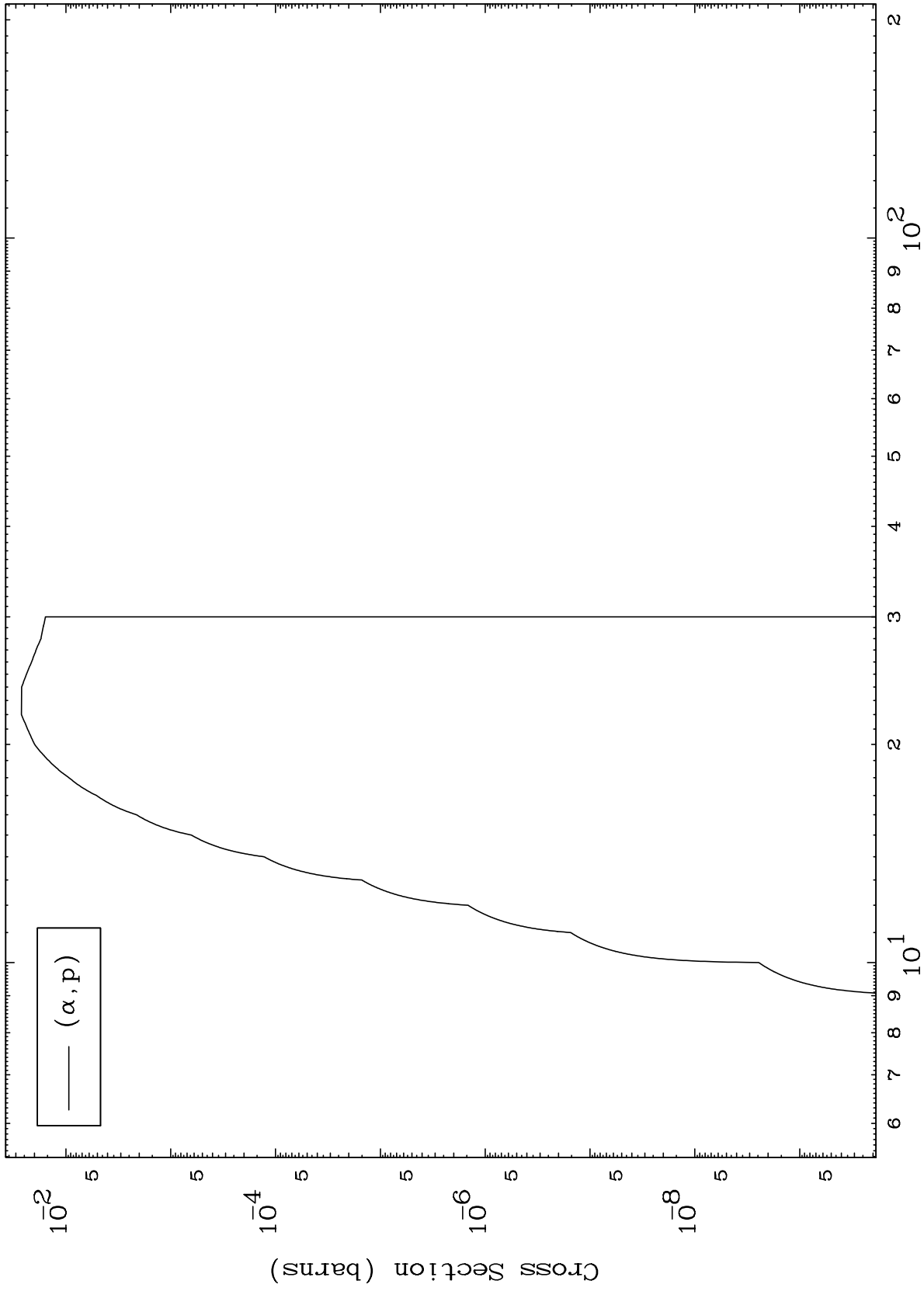
Incident Energy (MeV)

60-Nd-139

MAT 6017

(α, p) Levels
0 Kelvin Cross Sections

60-Nd-139

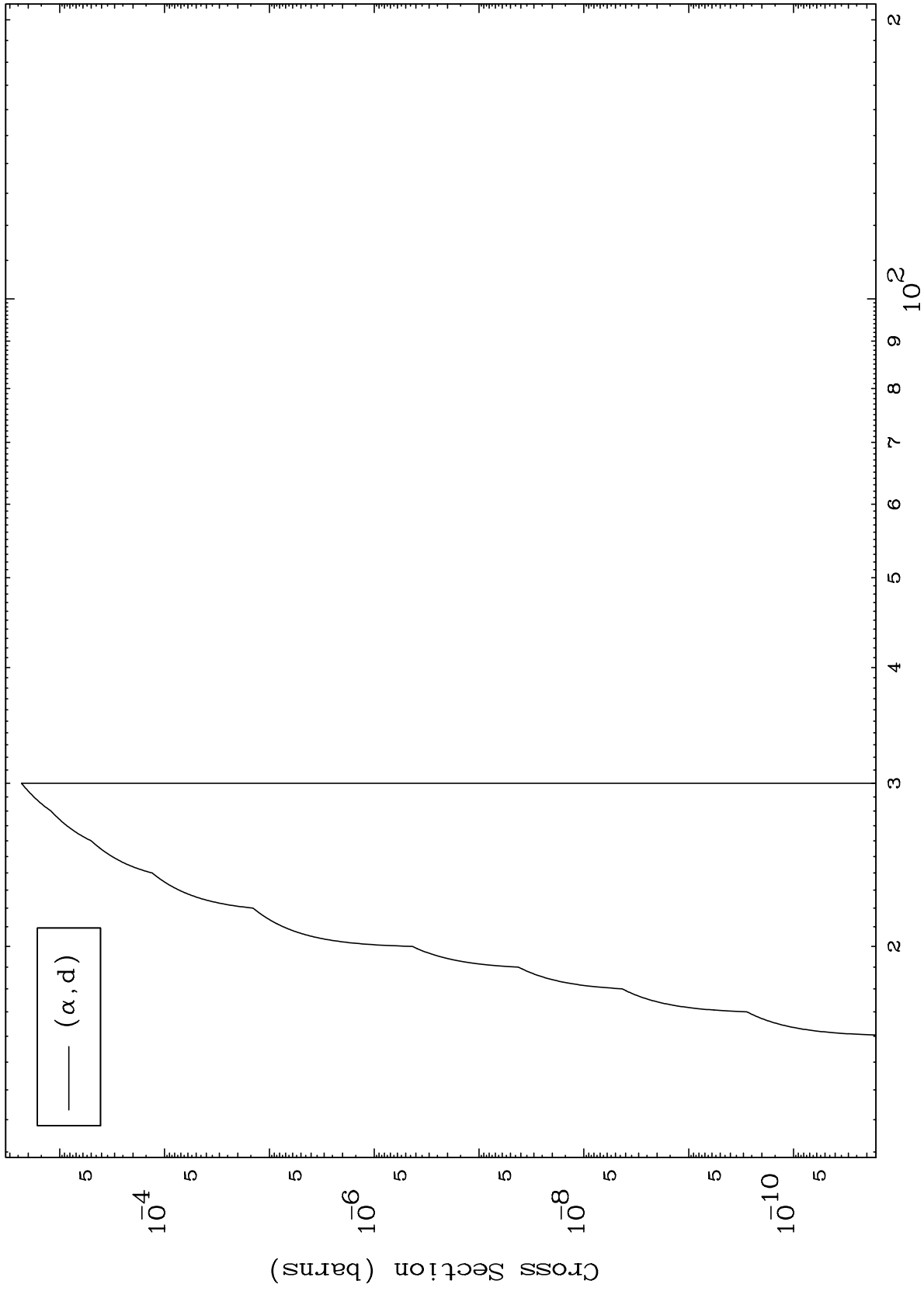


6

MAT 6017

(α, d) Levels
0 Kelvin Cross Sections

60-Nd-139



7

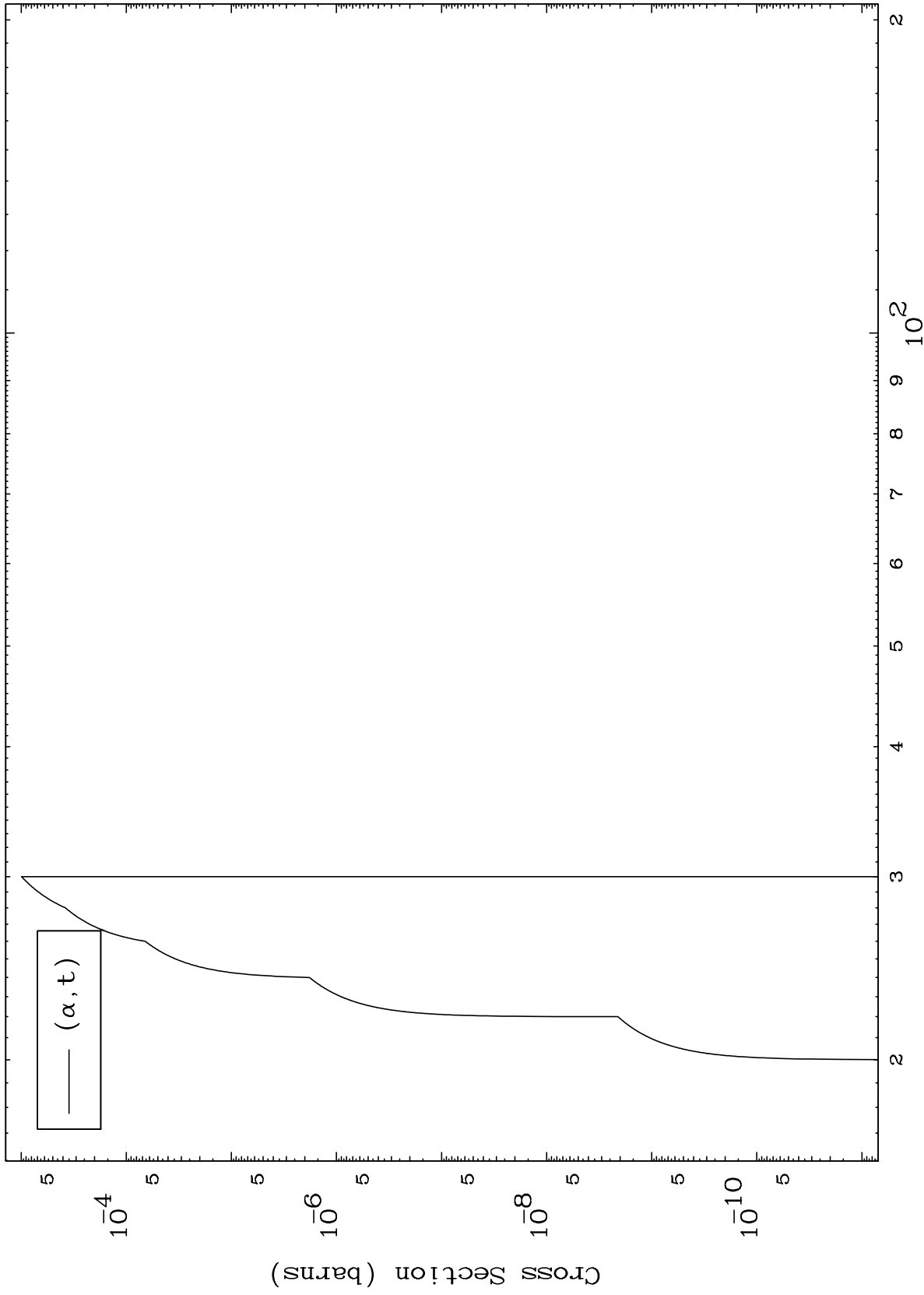
Incident Energy (MeV)

60-Nd-139

MAT 6017

(α, t) Levels
0 Kelvin Cross Sections

60-Nd-139



8

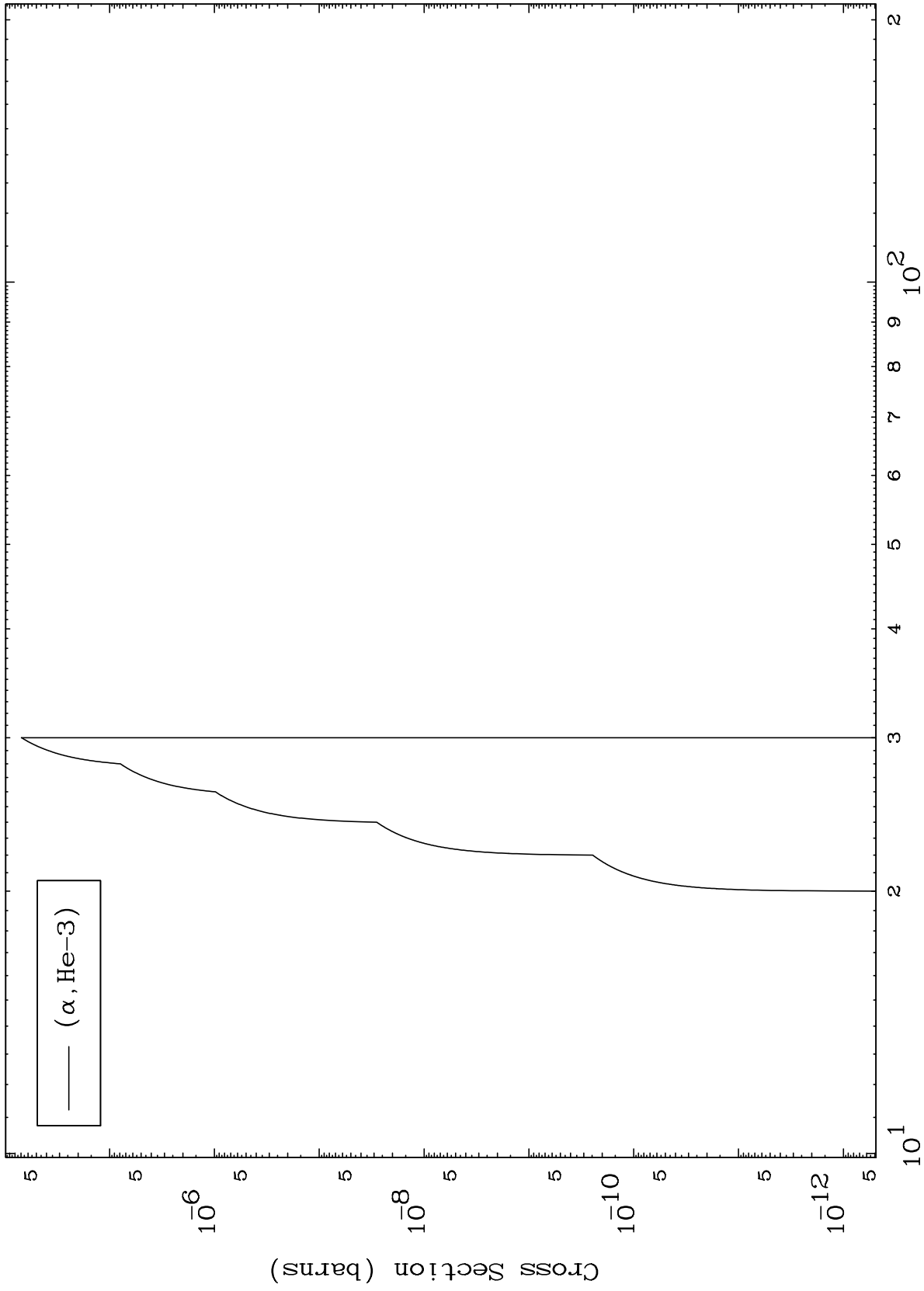
Incident Energy (MeV)

60-Nd-139

MAT 6017

($\alpha, \text{He}3$) Levels
0 Kelvin Cross Sections

60-Nd-139



9

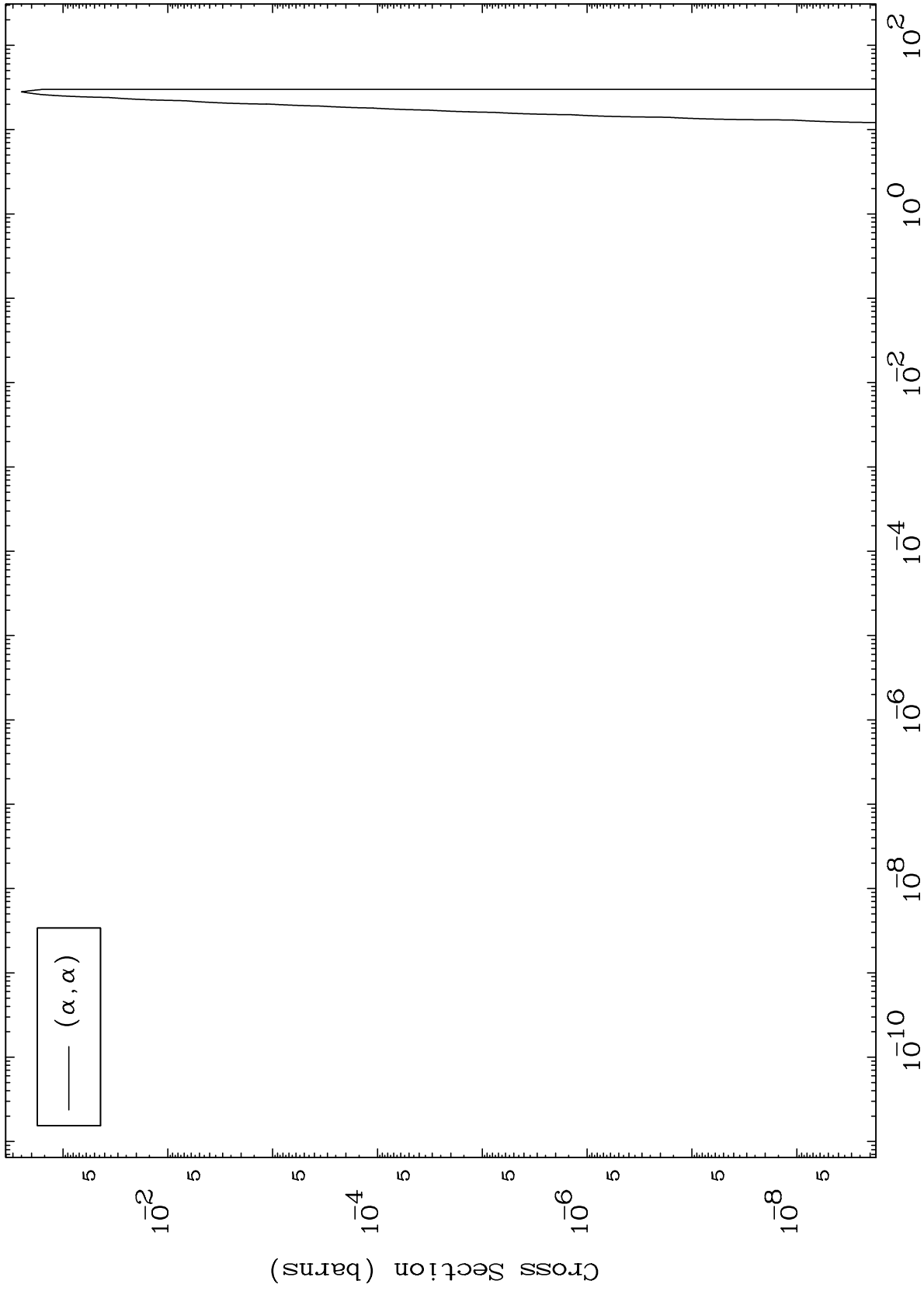
Incident Energy (MeV)

60-Nd-139

MAT 6017

(α, α) Levels
0 Kelvin Cross Sections

60-Nd-139



10

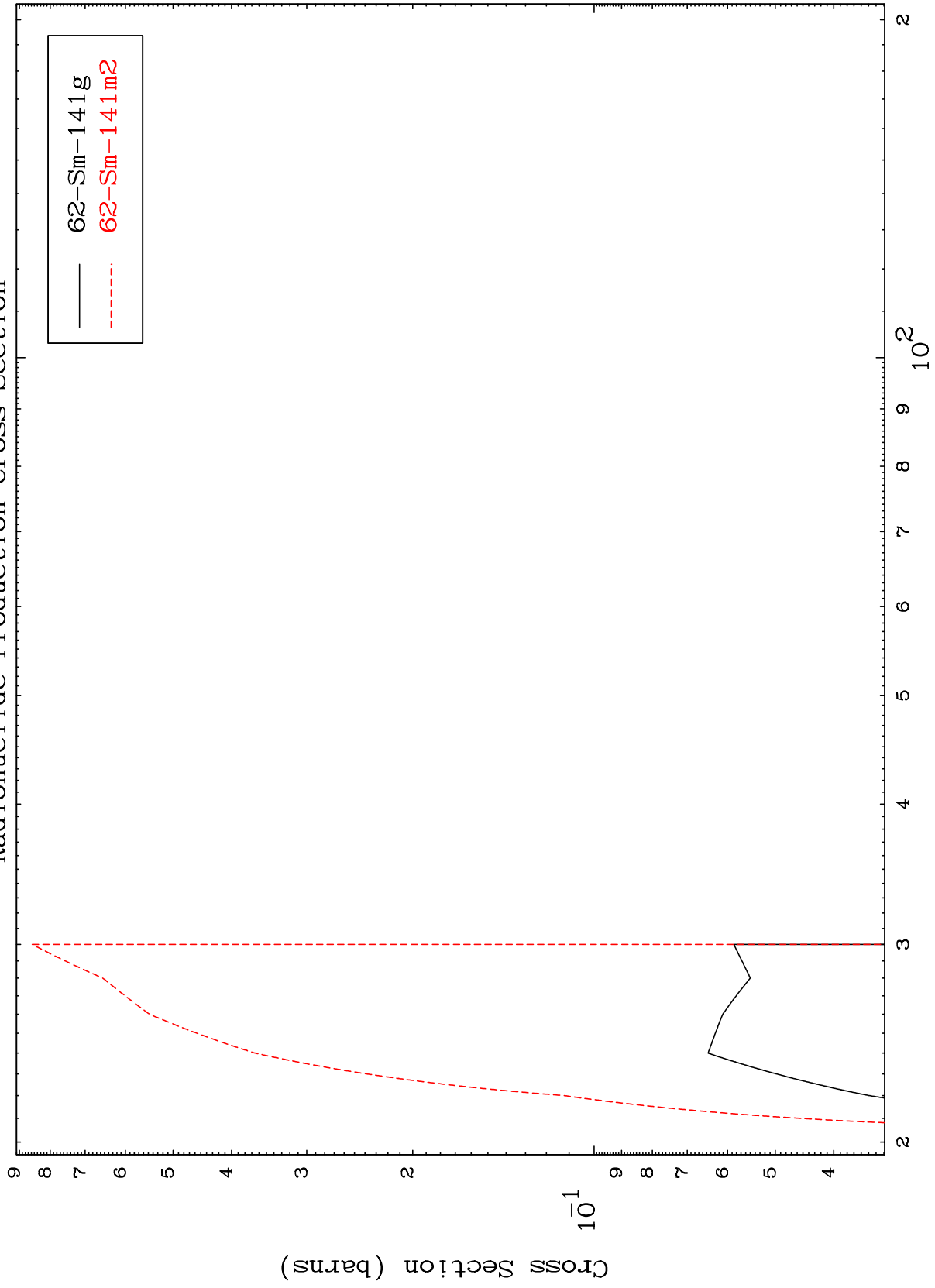
Incident Energy (MeV)

60-Nd-139

MAT 6017

60-Nd-139

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



11

Incident Energy (MeV)

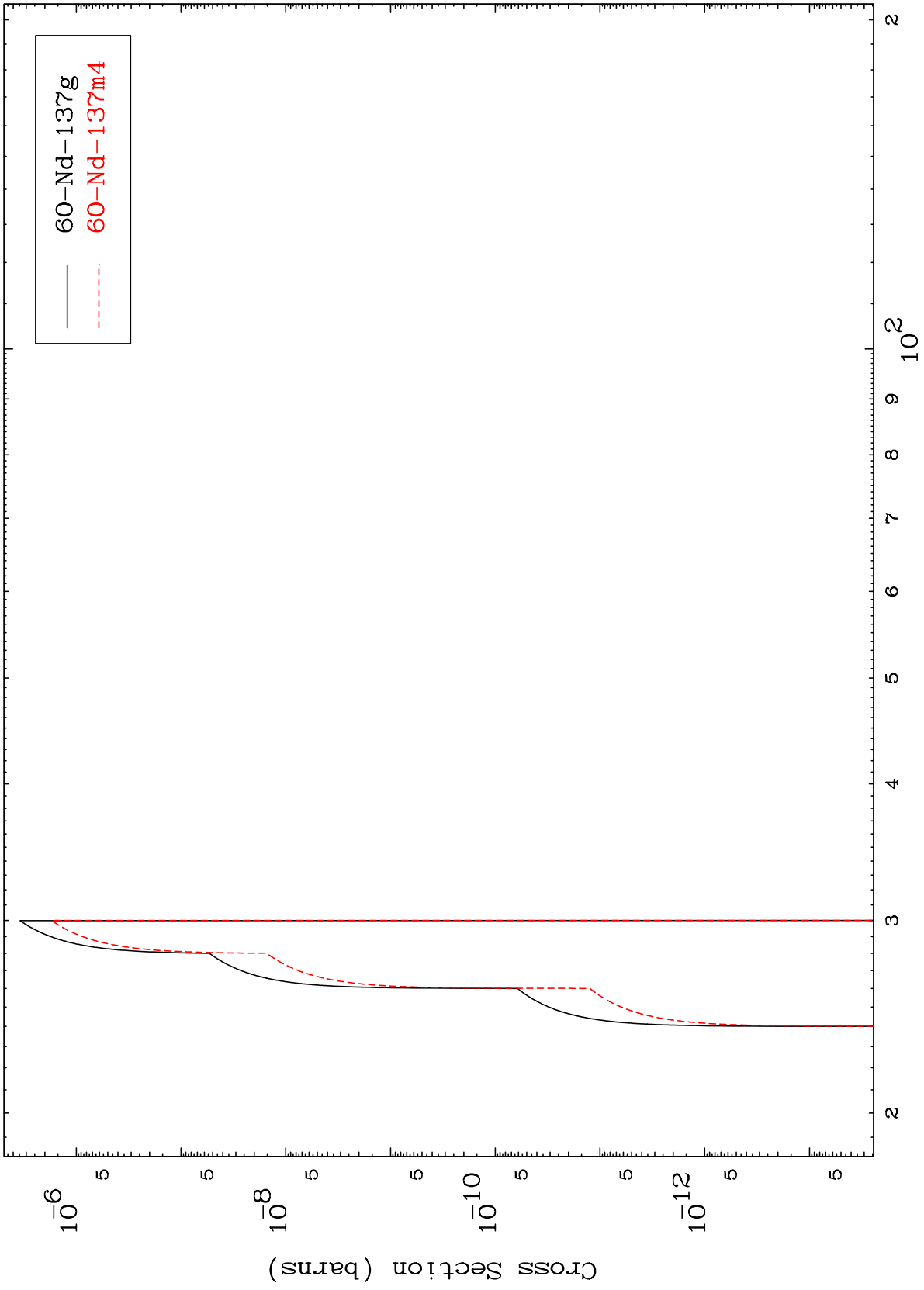
60-Nd-139

MAT 6017

$(\alpha, 2n) \alpha$

$^{60}\text{Nd}-139$

Radionuclide Production Cross Section



12

Incident Energy (MeV)

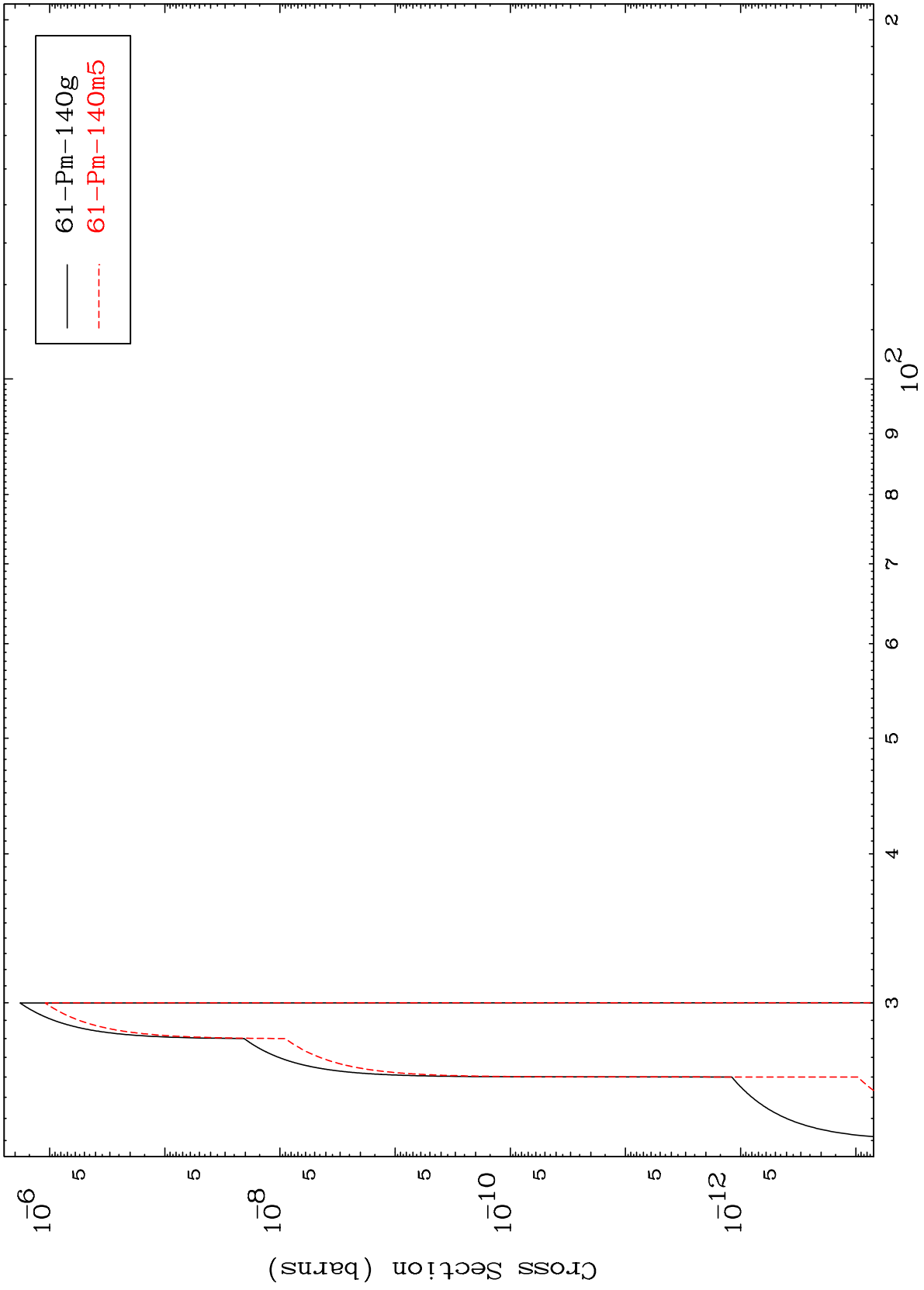
$^{60}\text{Nd}-139$

MAT 6017

(α, n') d

$^{60}\text{Nd}-^{139}$

Radionuclide Production Cross Section



13

Incident Energy (MeV)

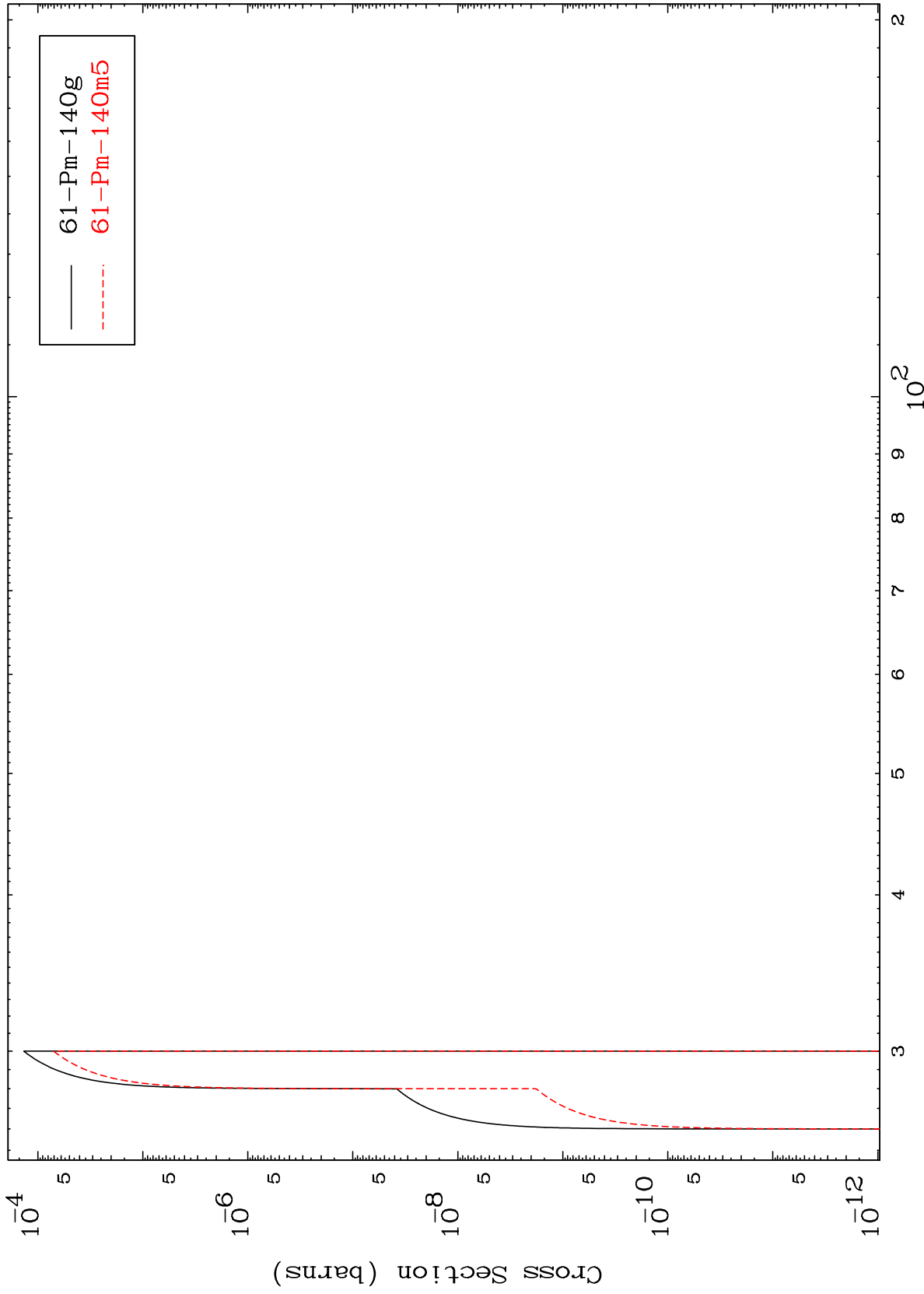
$^{60}\text{Nd}-^{139}$

MAT 6017

$(\alpha, 2n)$ p

$^{60}\text{Nd}-139$

Radionuclide Production Cross Section



14

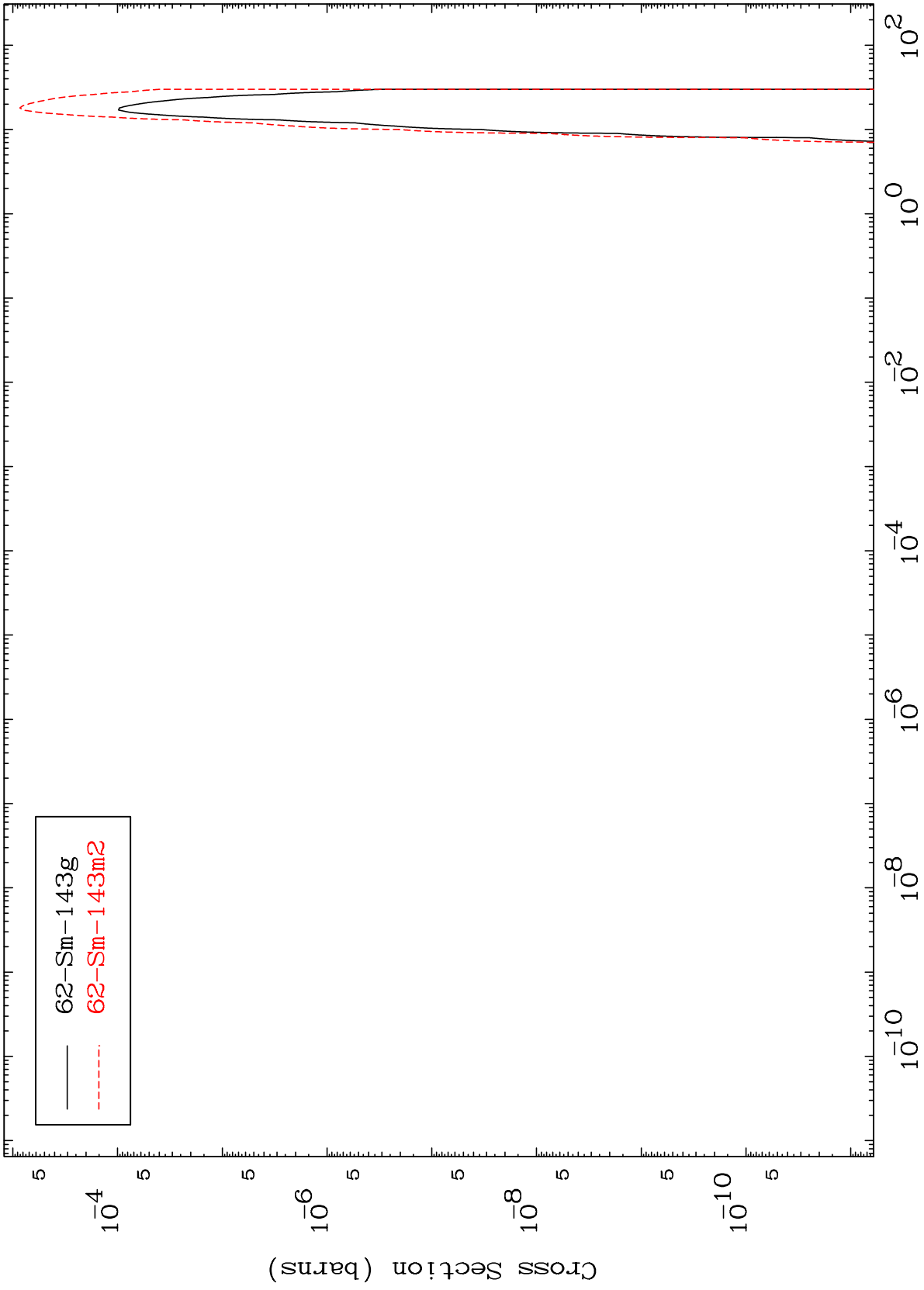
Incident Energy (MeV)

$^{60}\text{Nd}-139$

MAT 6017

(α, γ)
Radionuclide Production Cross Section

60-Nd-139



15

Incident Energy (MeV)

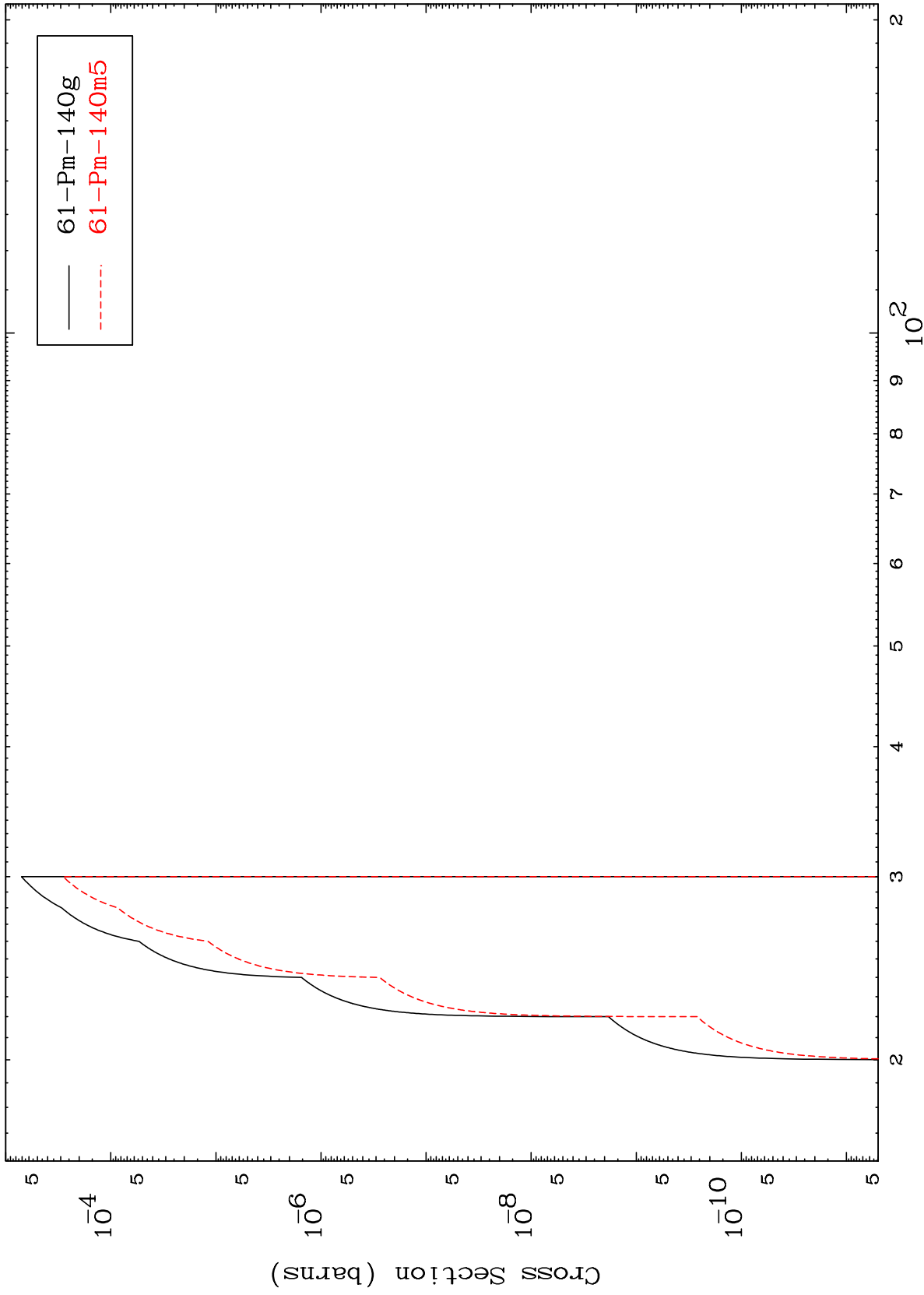
60-Nd-139

MAT 6017

(α, t)

$^{60}\text{Nd}-^{139}$

Radionuclide Production Cross Section



16

Incident Energy (MeV)

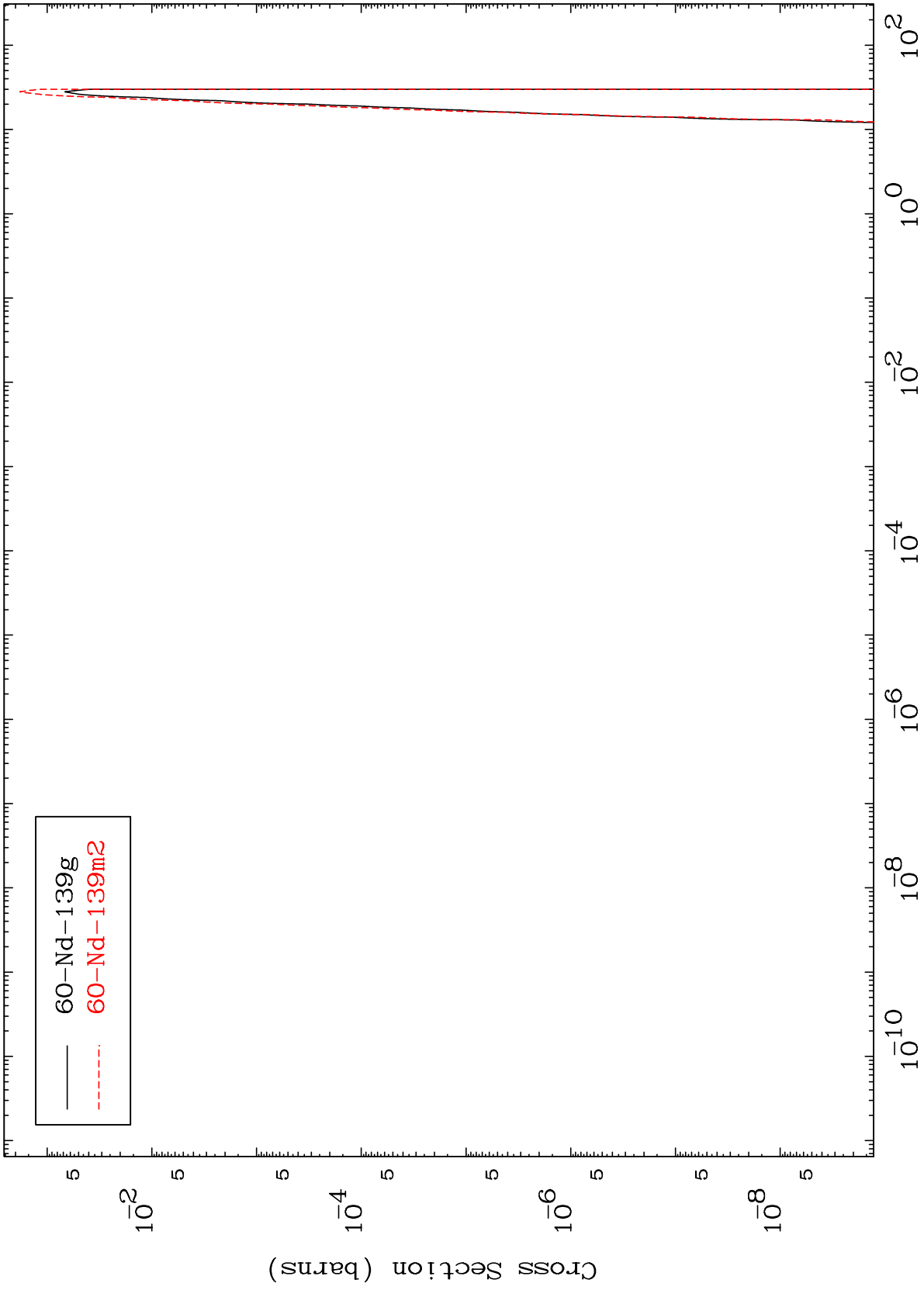
$^{60}\text{Nd}-^{139}$

MAT 6017

(α, α)

60-Nd-139

Radionuclide Production Cross Section



17

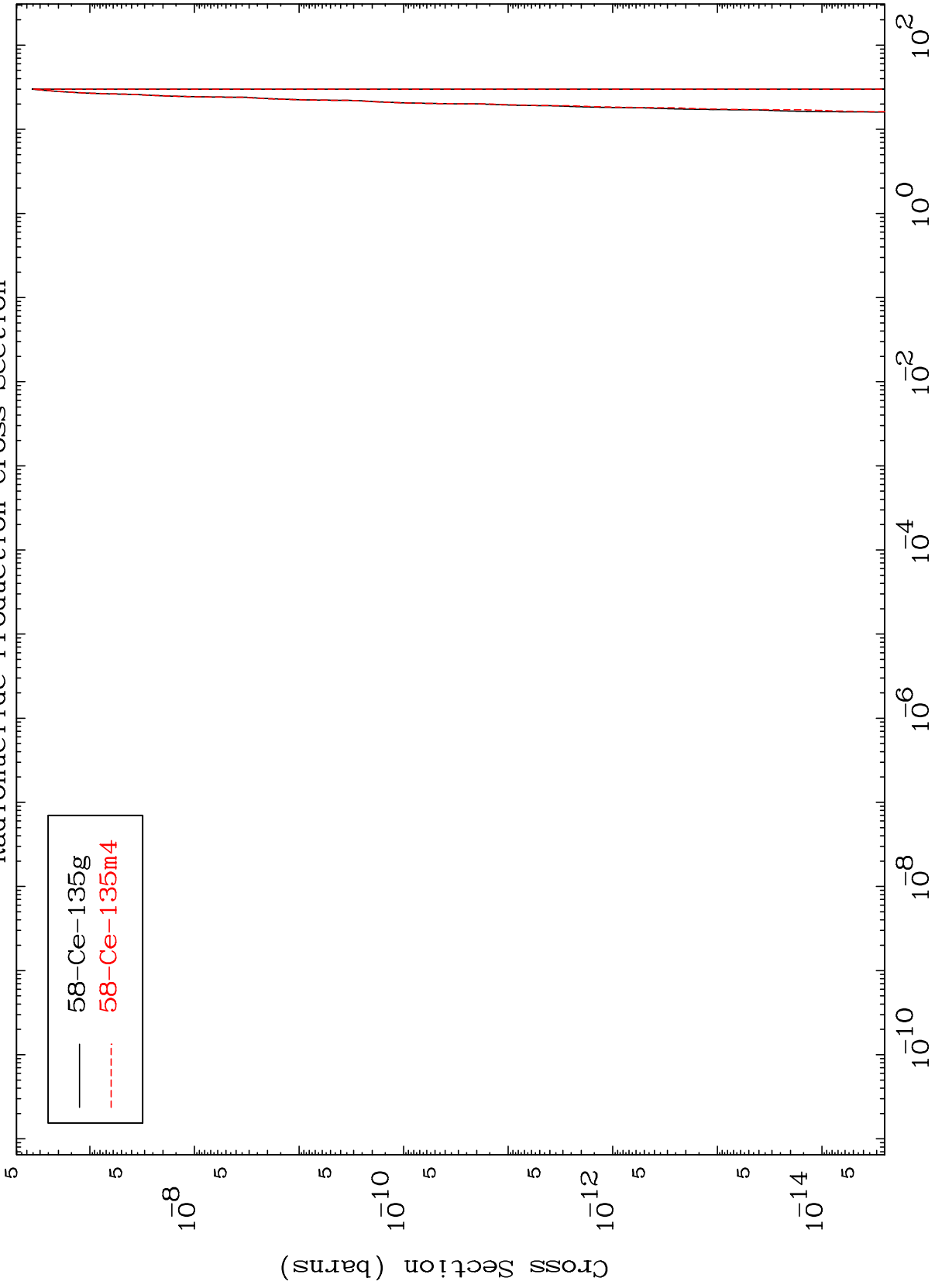
Incident Energy (MeV)

60-Nd-139

MAT 6017

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

60-Nd-139



18

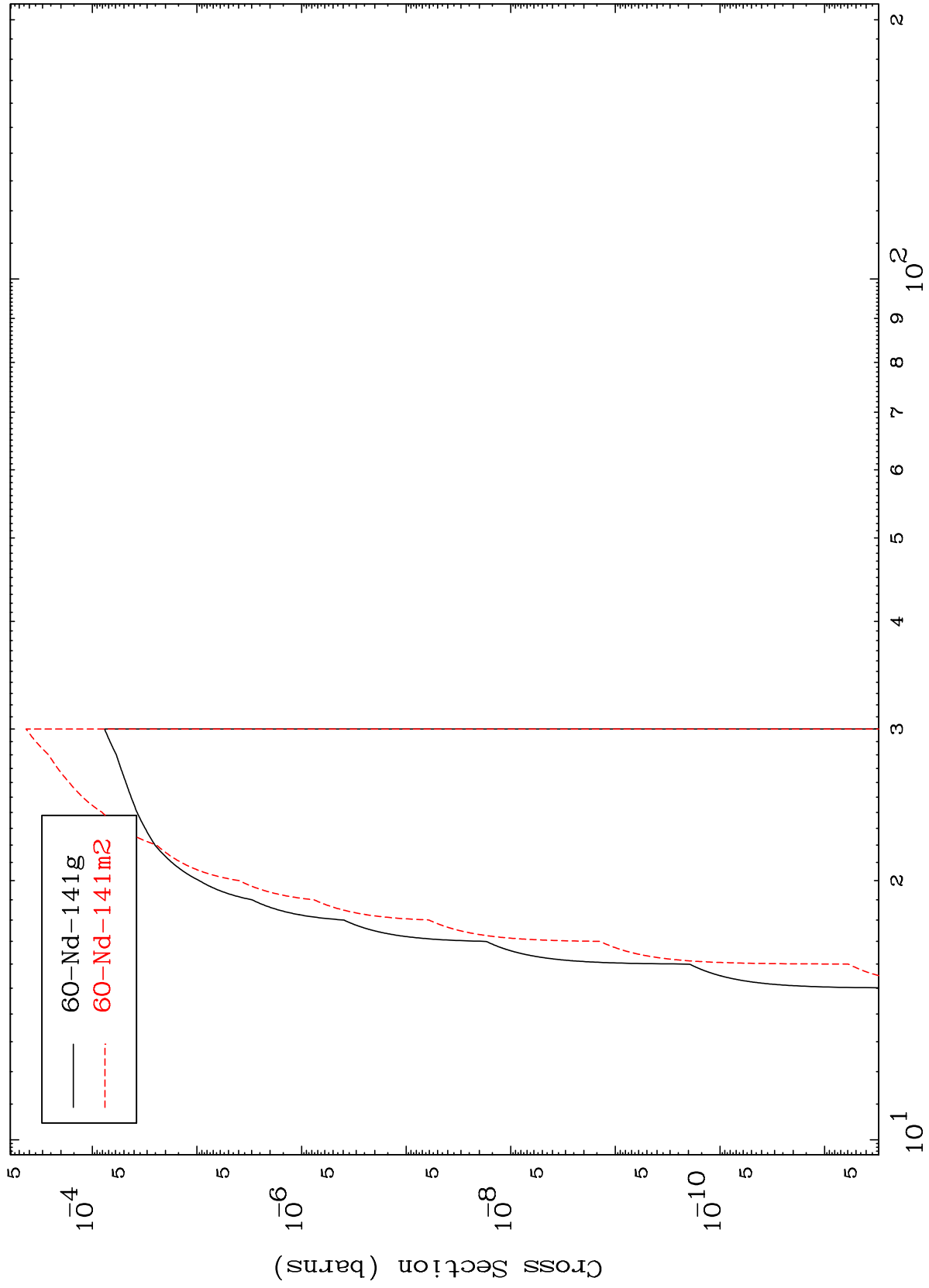
Incident Energy (MeV)

60-Nd-139

MAT 6017

60-Nd-139

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



19

Incident Energy (MeV)

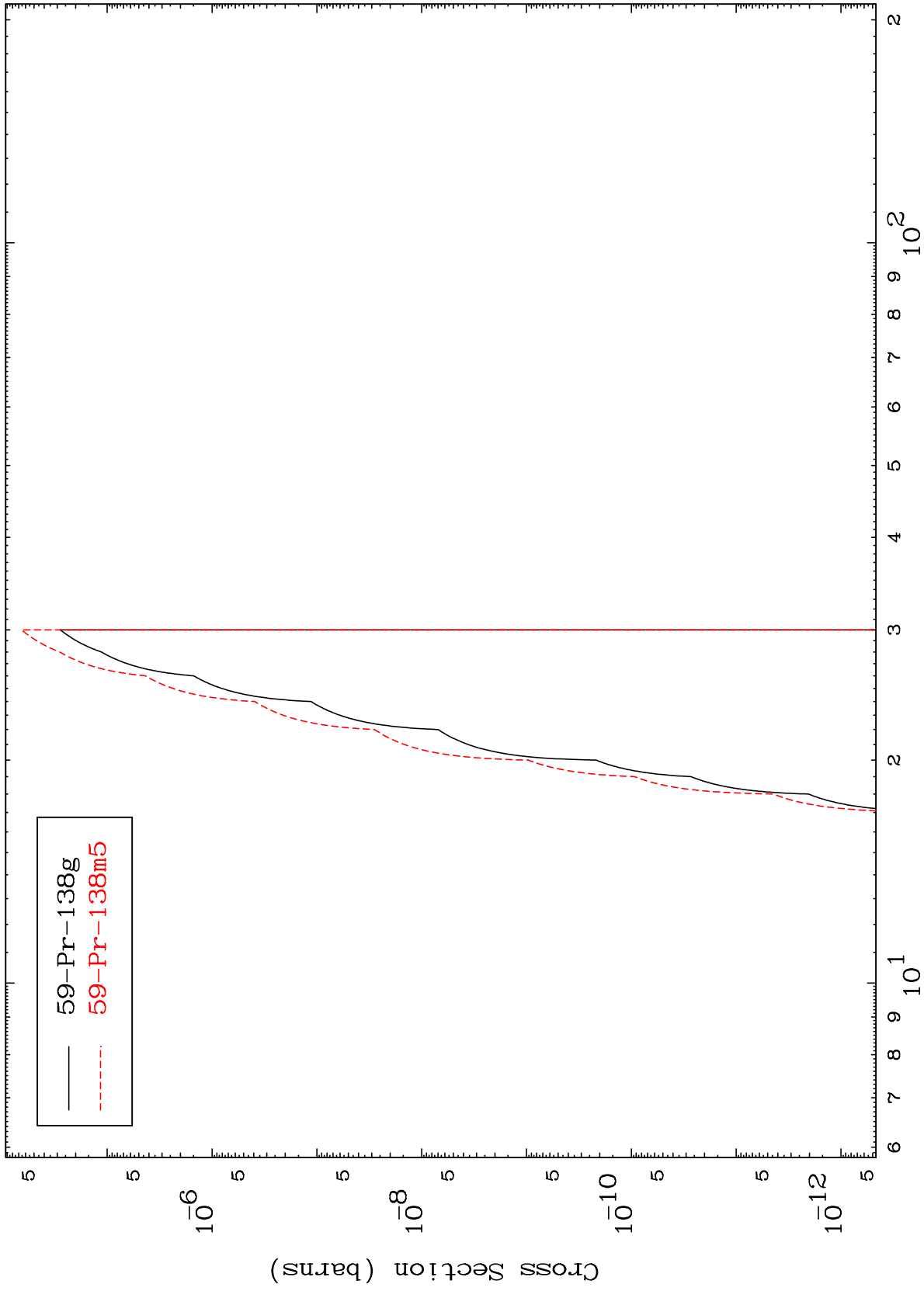
60-Nd-139

MAT 6017

(α, p) α

60-Nd-139

Radionuclide Production Cross Section



20

Incident Energy (MeV)

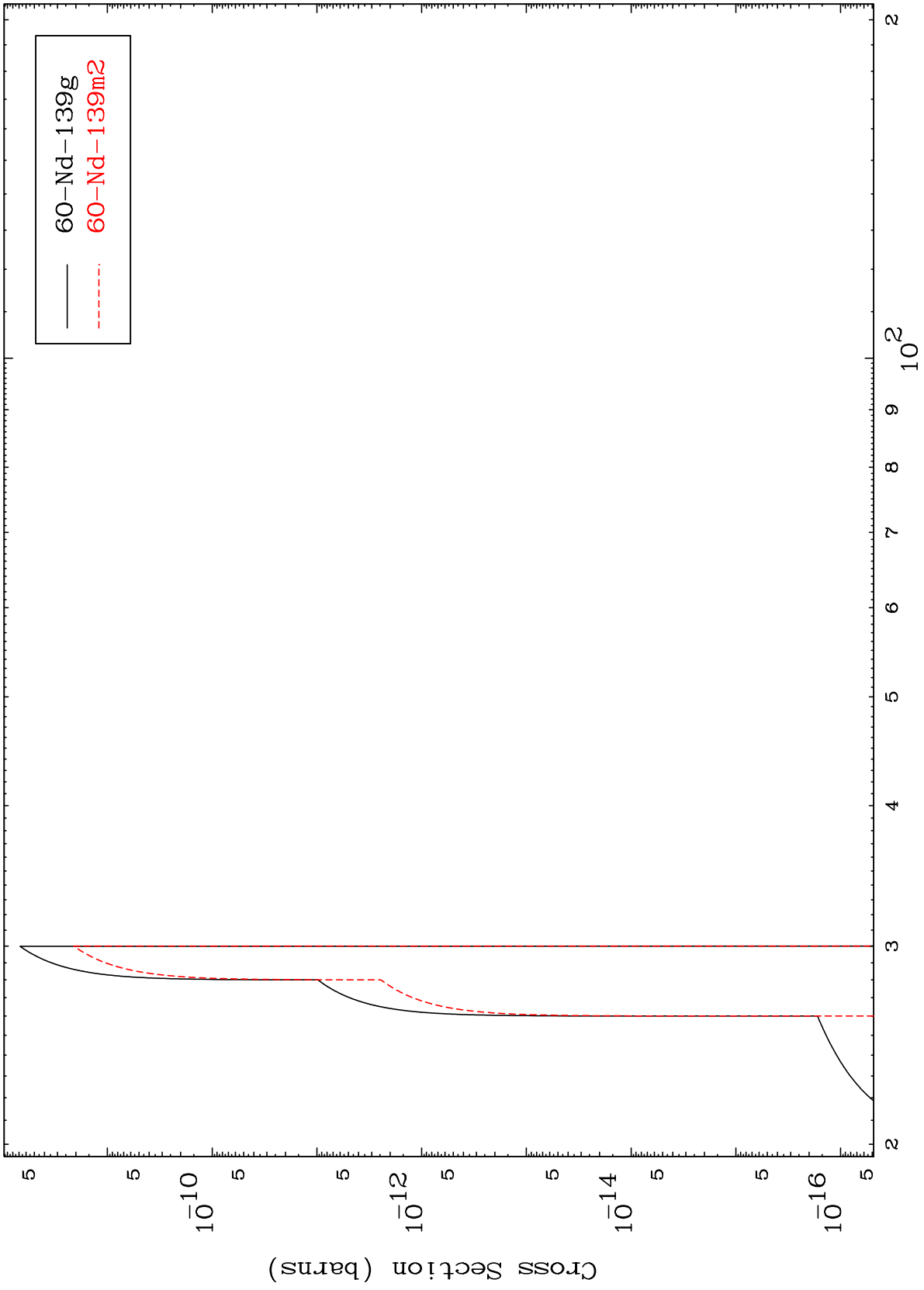
60-Nd-139

MAT 6017

(α, p) t

$^{60}\text{Nd}-^{139}$

Radionuclide Production Cross Section



21

Incident Energy (MeV)

$^{60}\text{Nd}-^{139}$