

Program EVALPLOT
(Version 2021-1)

by

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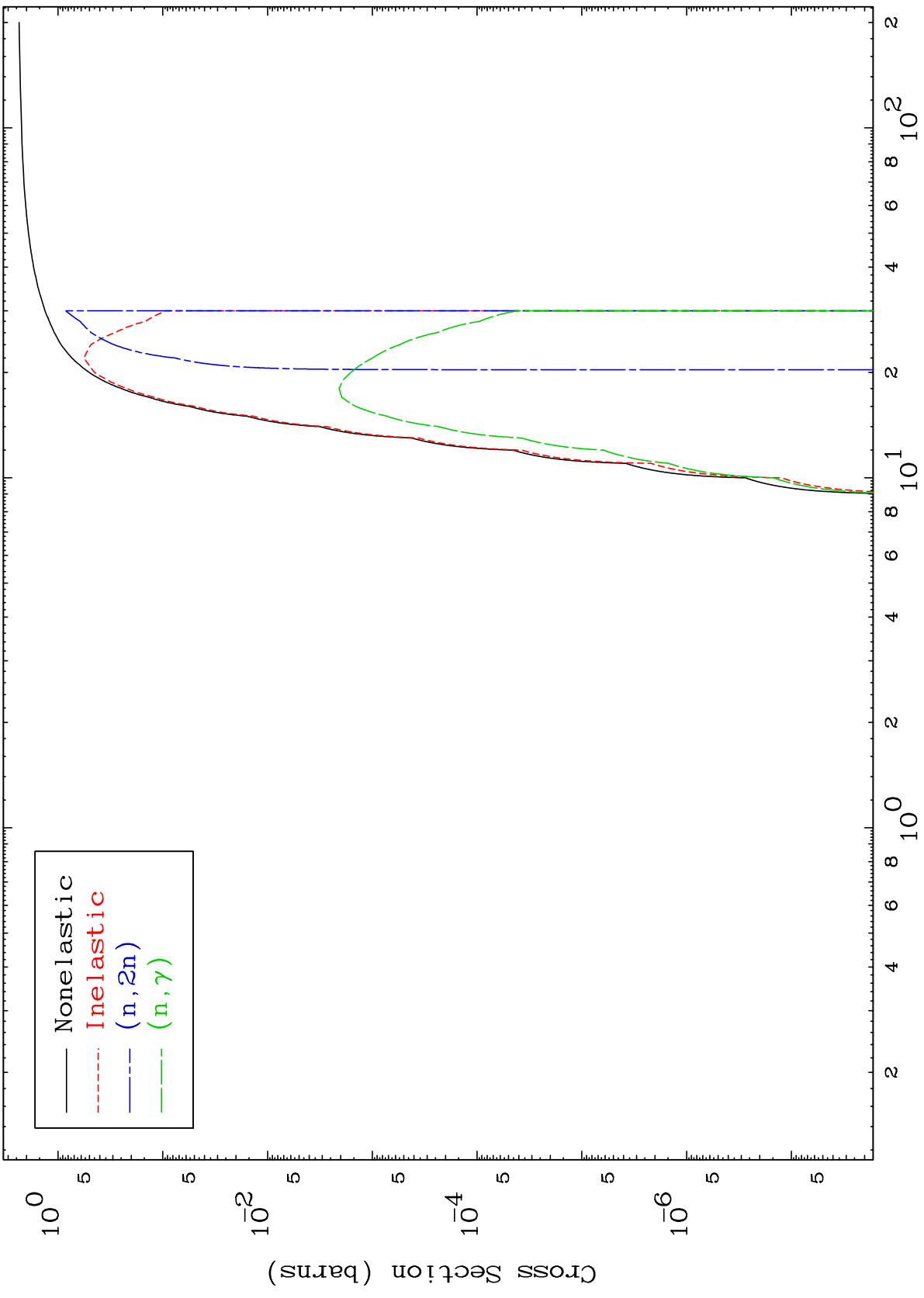
Press Mouse Button to Start

MAT 6016

α Major

60-Nd-139

0 Kelvin Cross Sections

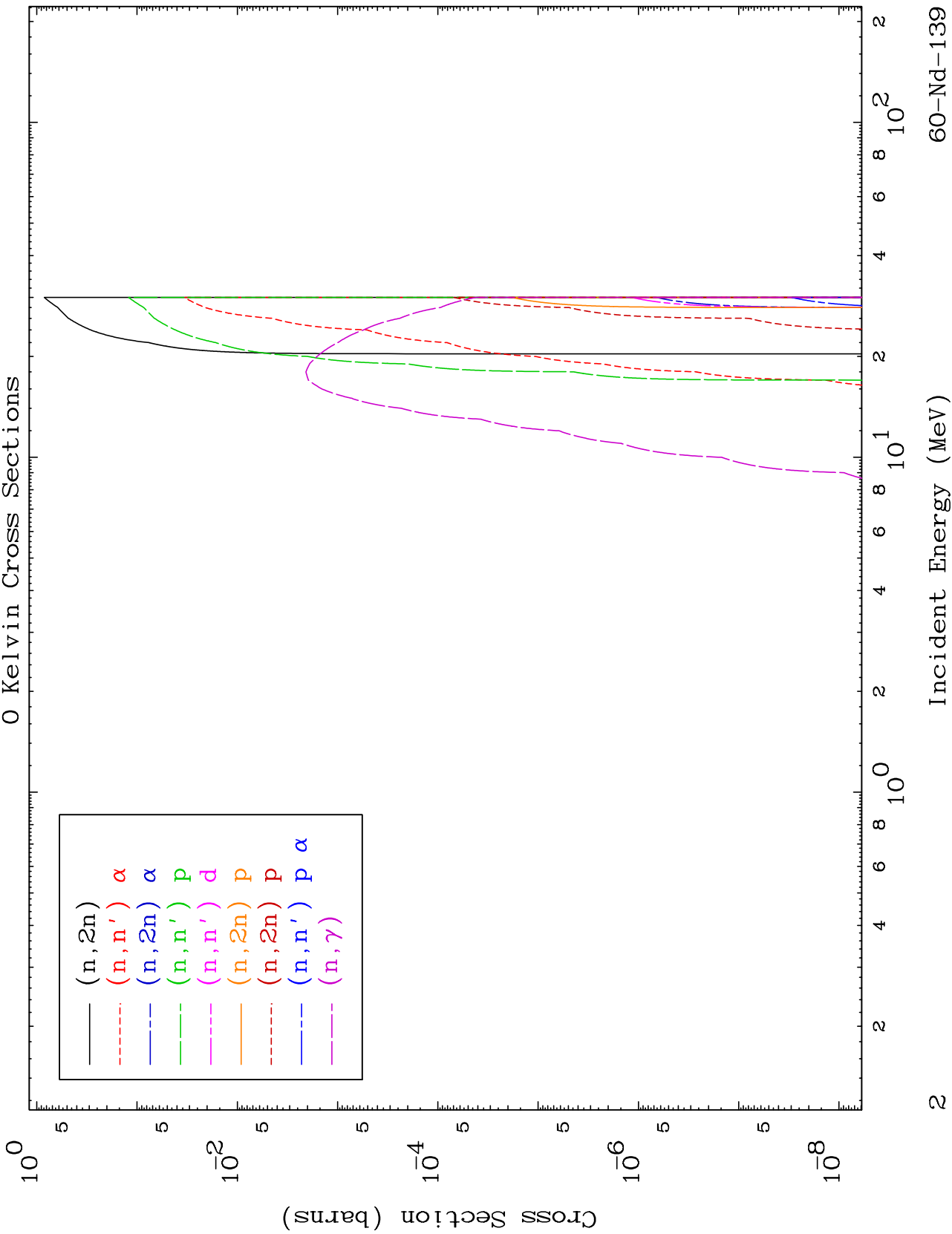


Legend:
— Nonelastic
- - - Inelastic
- - - (n, 2n)
- - - (n, γ)

MAT 6016

α Neutron Absorption
Kelvin Cross Sections

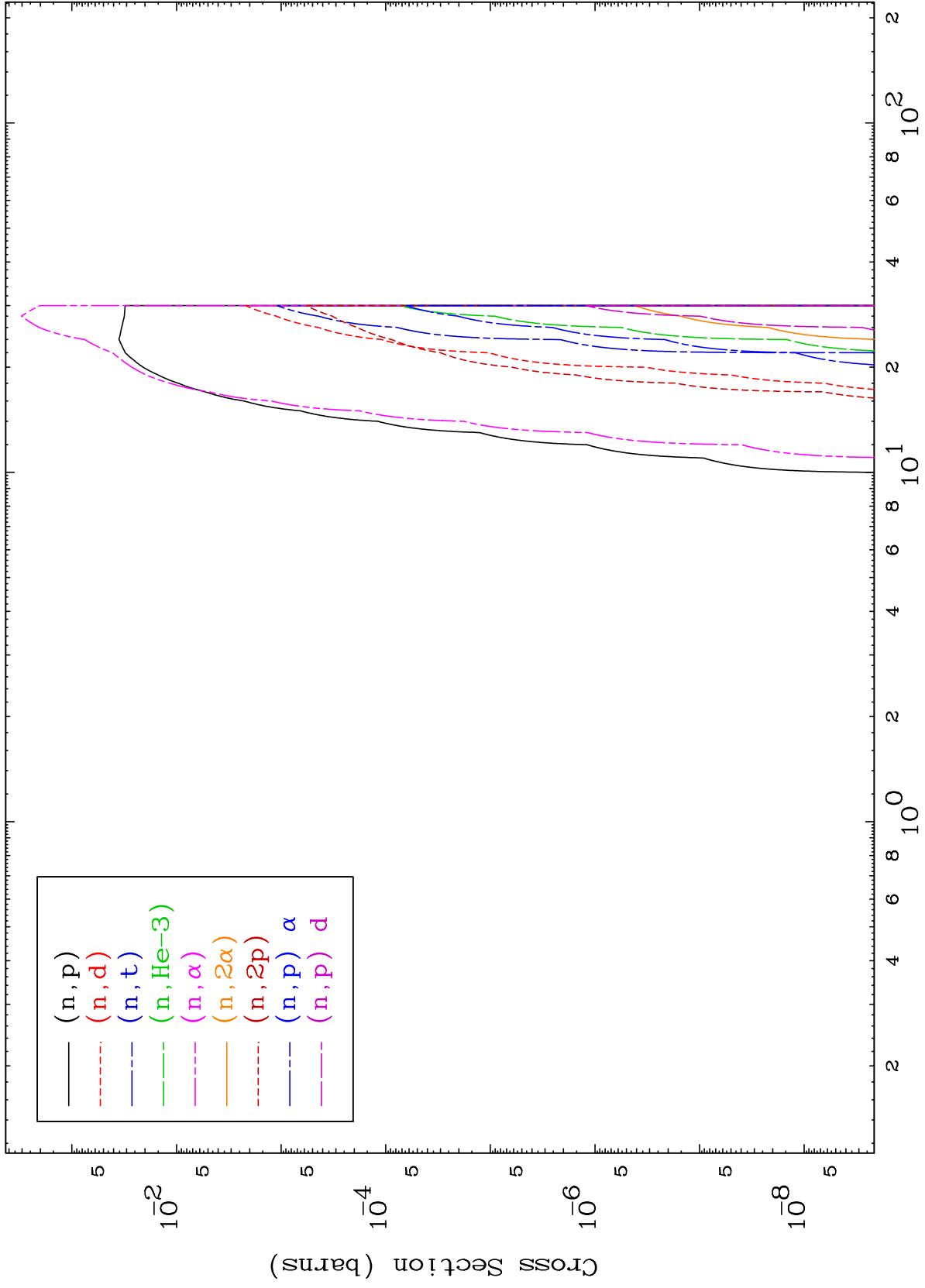
60-Nd-139



MAT 6016

α Neutron Absorption
0 Kelvin Cross Sections

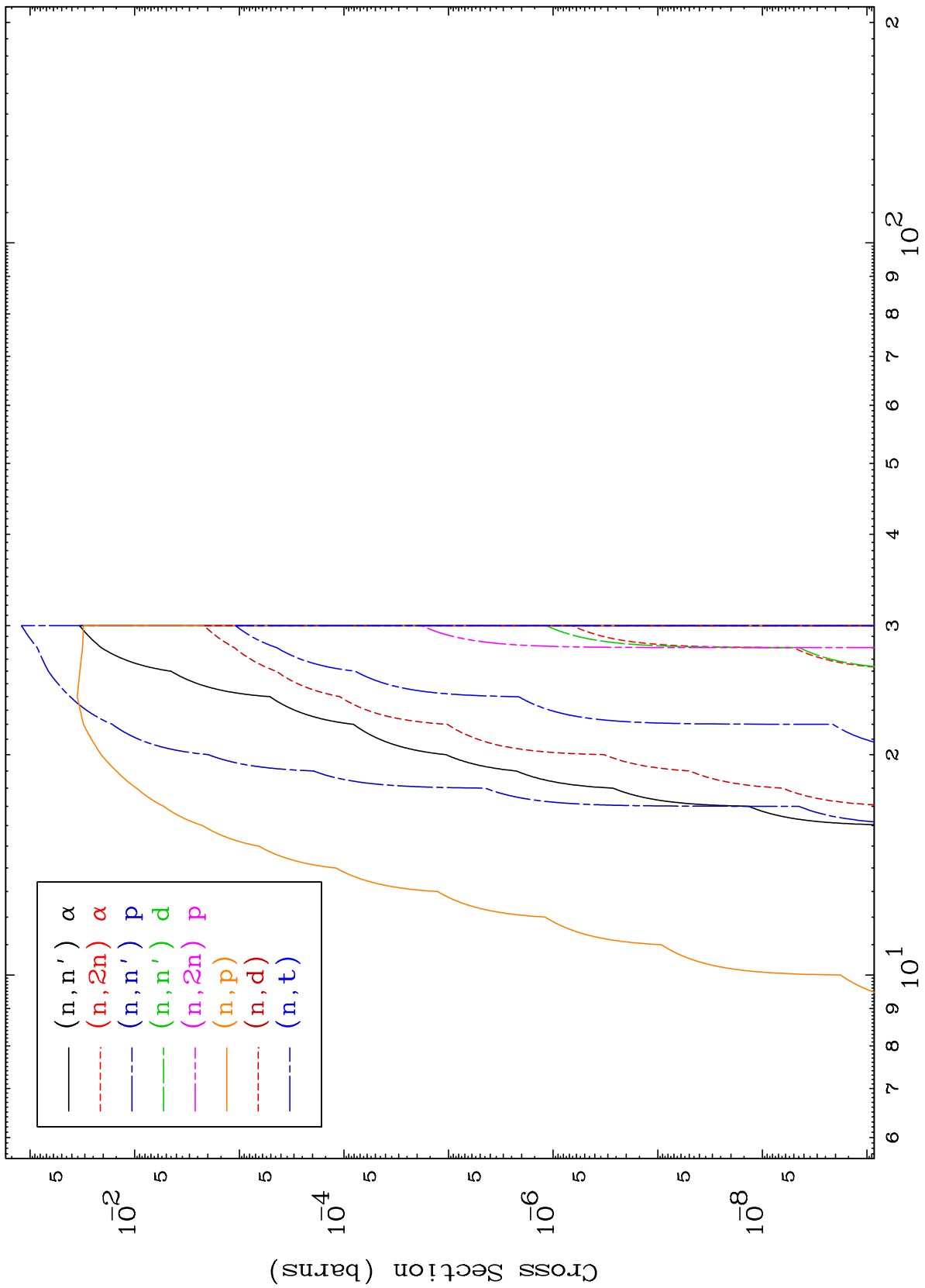
60-Nd-139

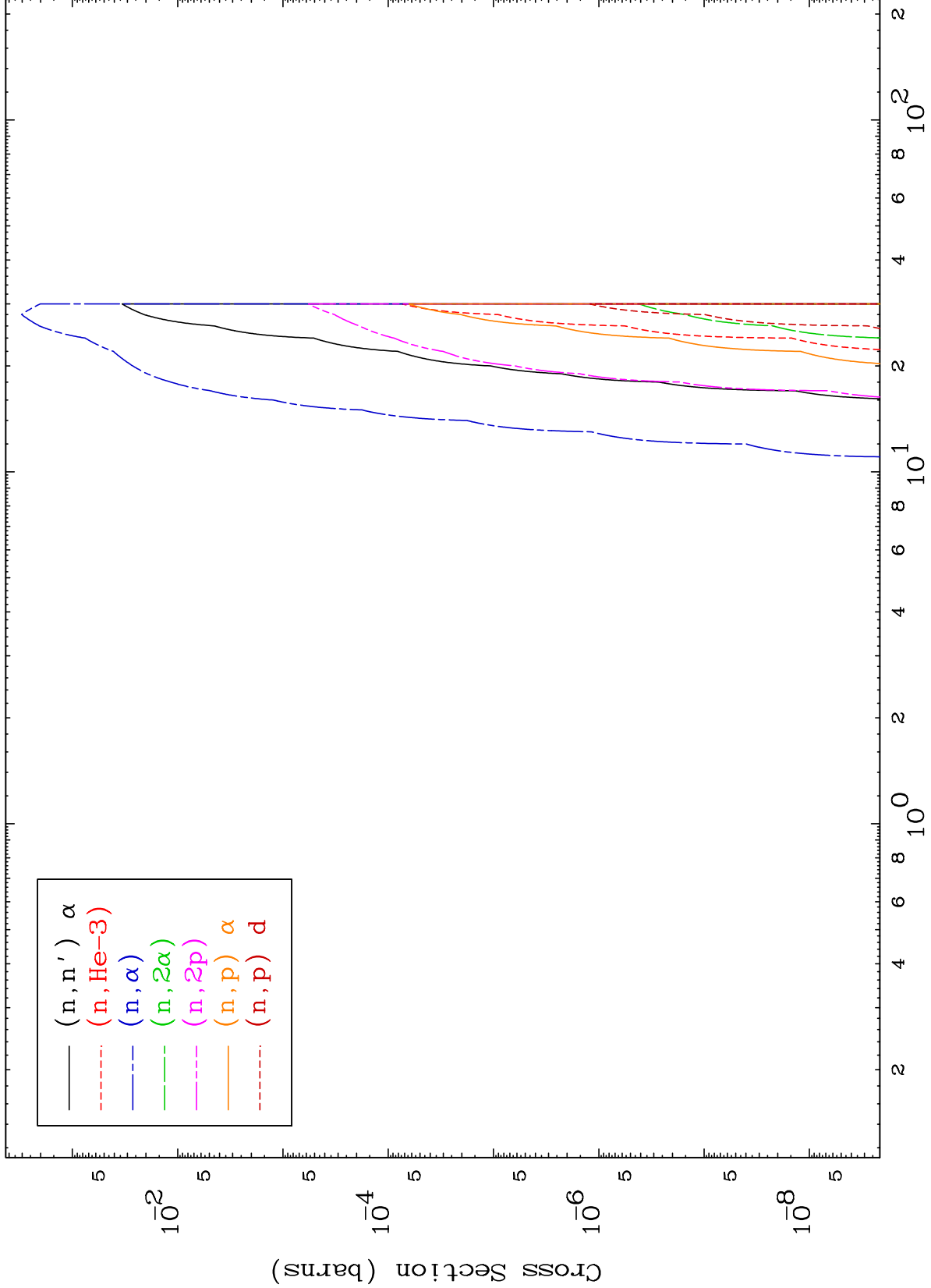


MAT 6016

α Charged Particle
0 Kelvin Cross Sections

60-Nd-139

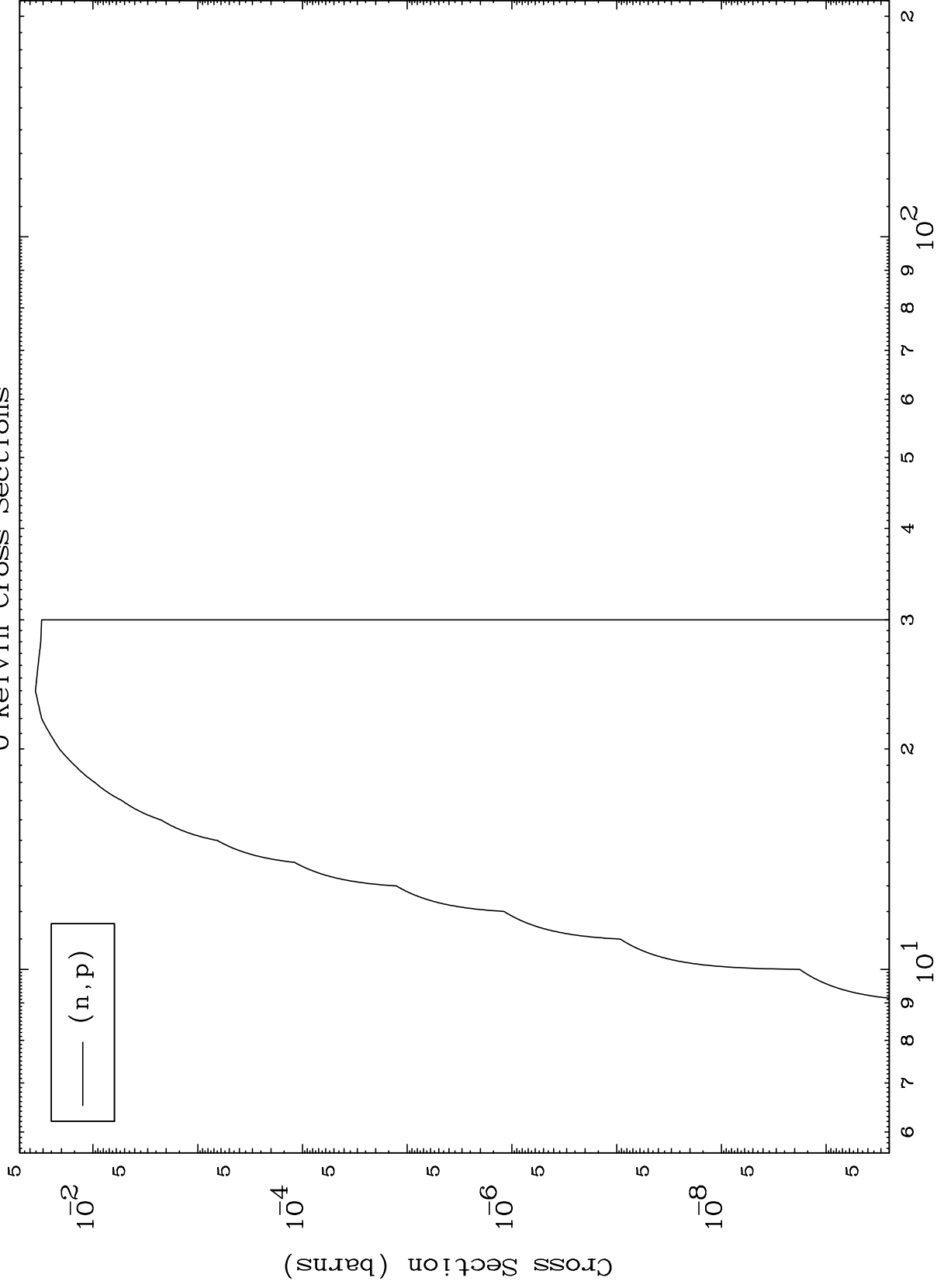




MAT 6016

(α, p) Levels
0 Kelvin Cross Sections

60-Nd-139



6

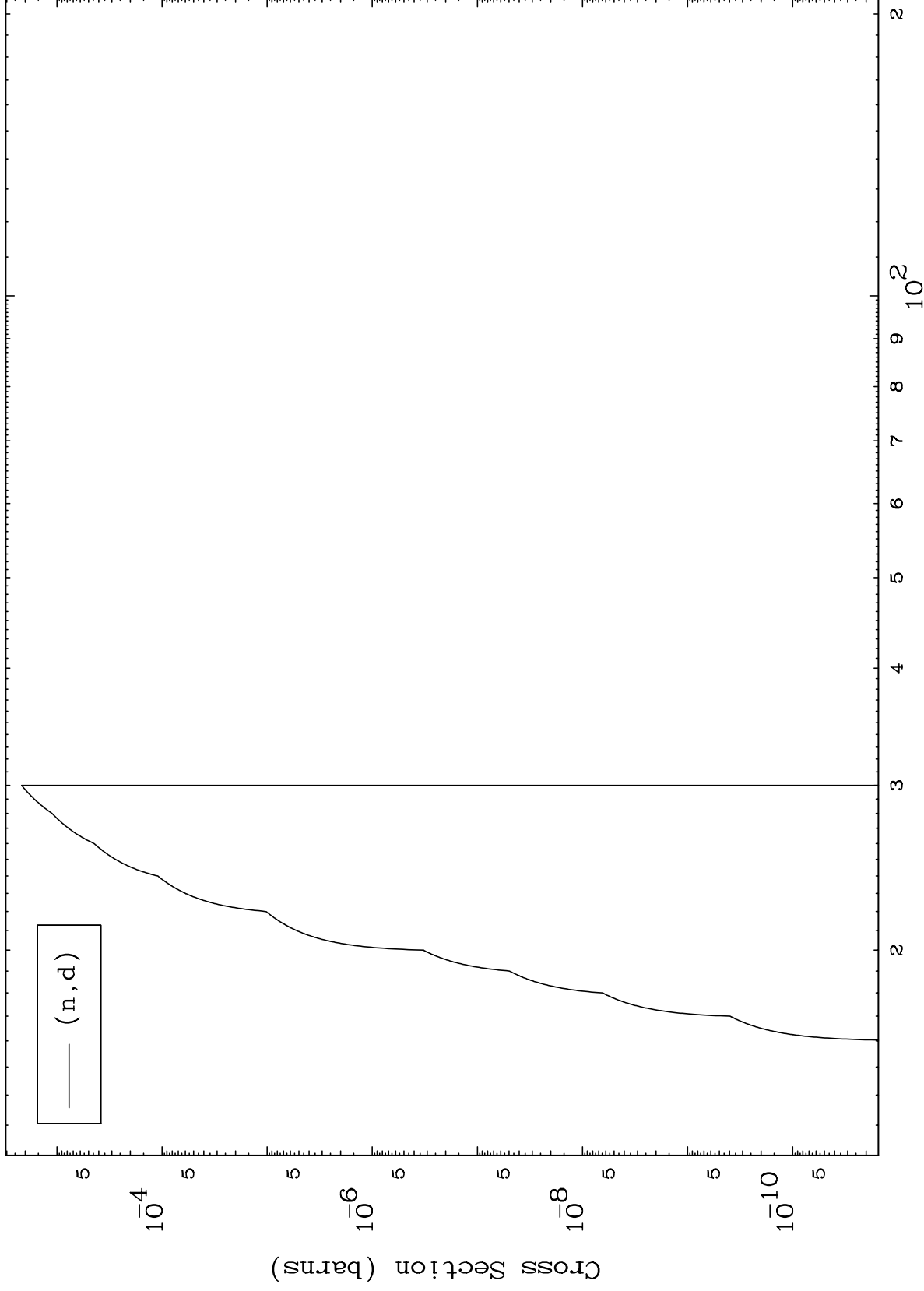
Incident Energy (MeV)

60-Nd-139

MAT 6016

(α, d) Levels
0 Kelvin Cross Sections

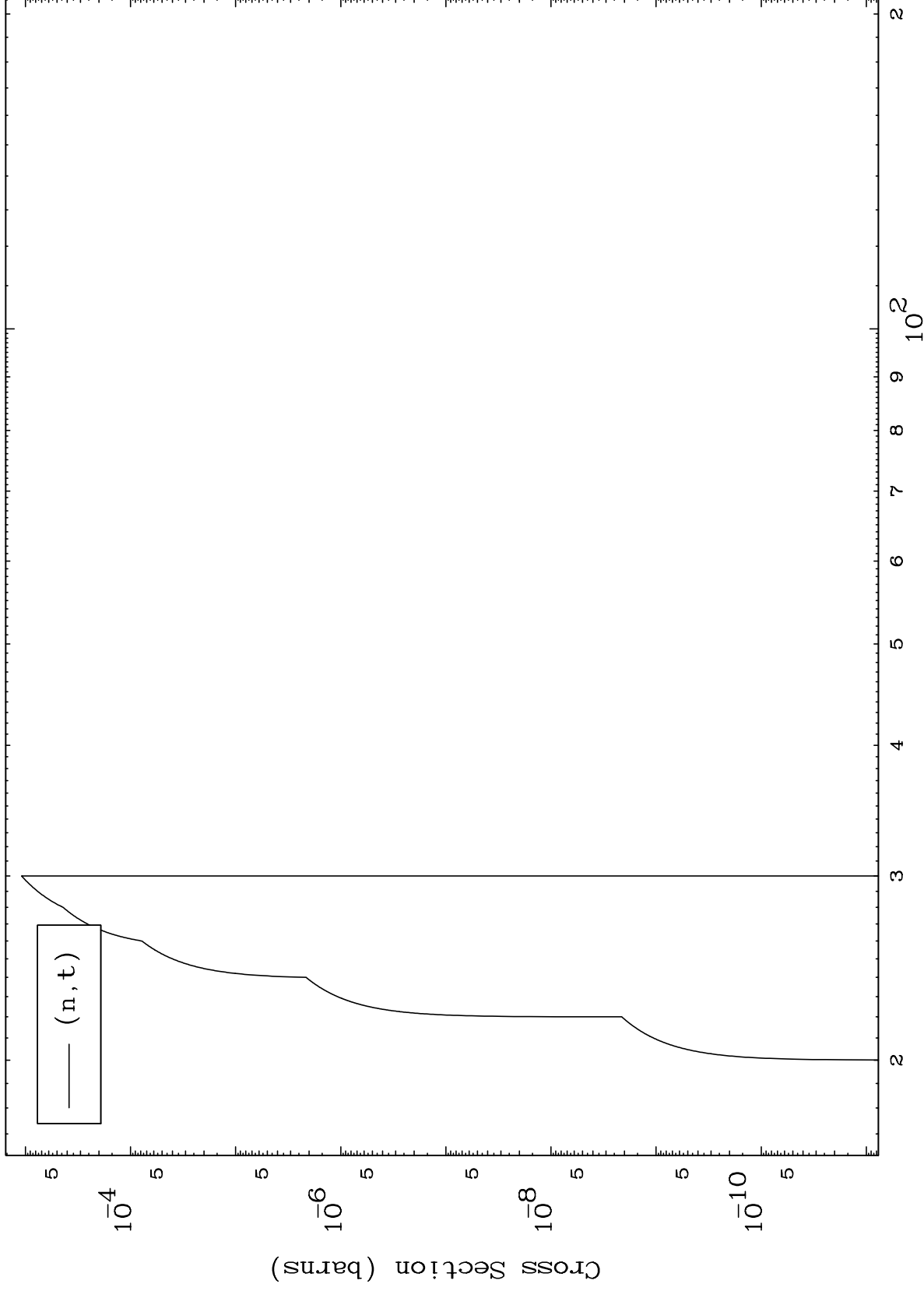
60-Nd-139



MAT 6016

(α, t) Levels
0 Kelvin Cross Sections

60-Nd-139

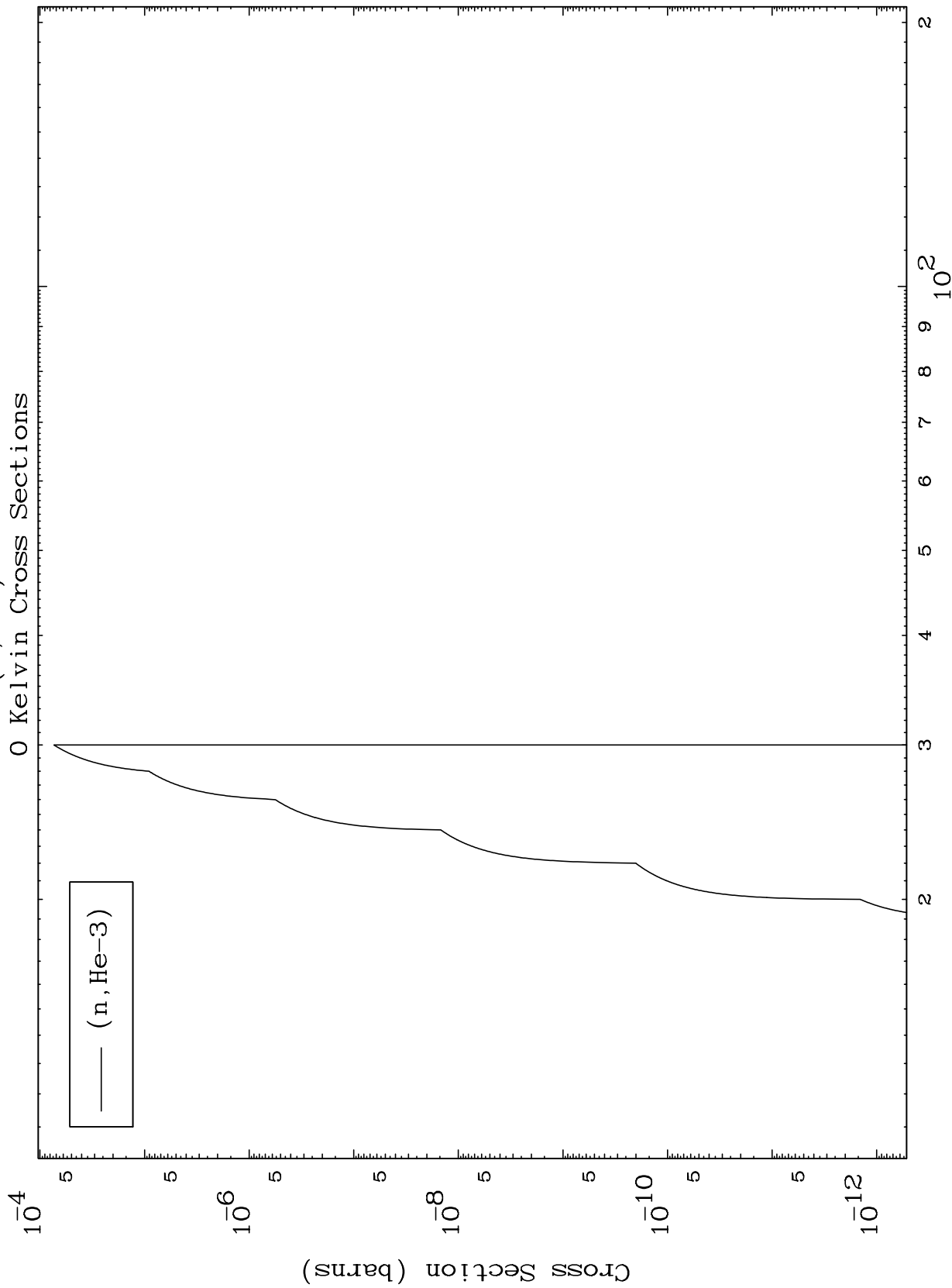


8

Incident Energy (MeV)

60-Nd-139

($\alpha, \text{He3}$) Levels
0 Kelvin Cross Sections

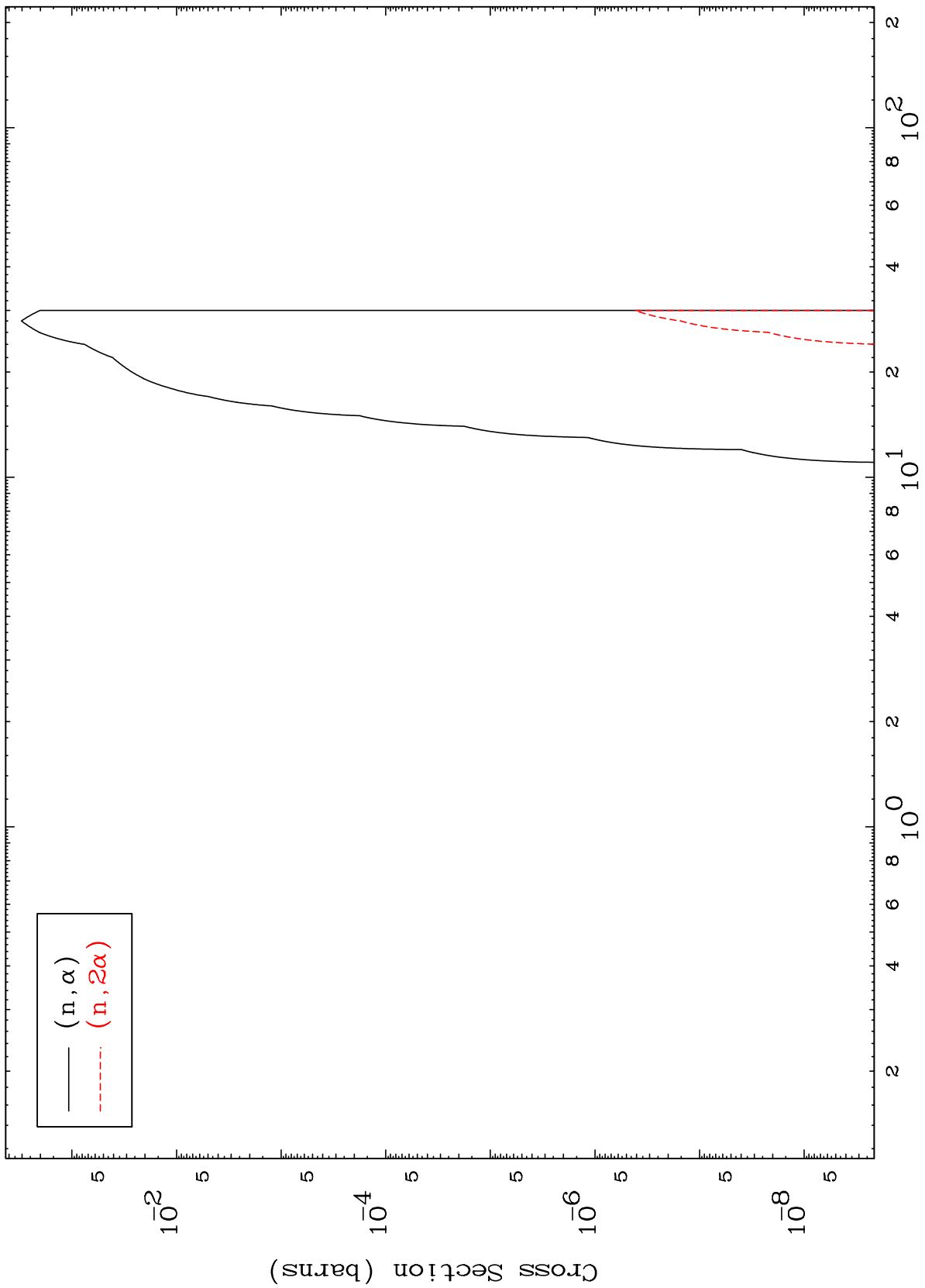


MAT 6016

(α, α) Levels

60-Nd-139

0 Kelvin Cross Sections



— (n, α)
- - - ($n, 2\alpha$)

10

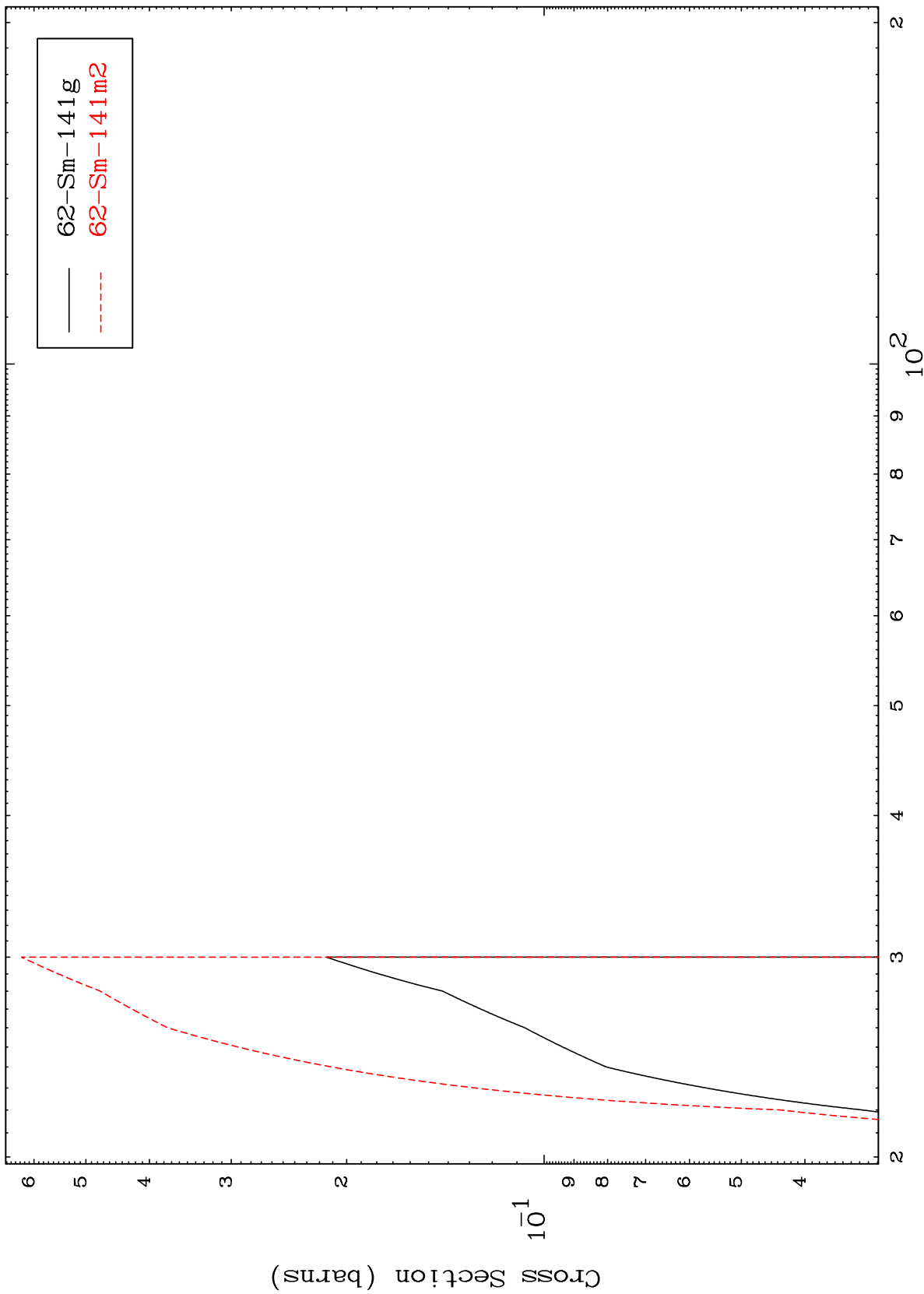
Incident Energy (MeV)

60-Nd-139

MAT 6016

60-Nd-139

(n,2n)
Radionuclide Production Cross Section



60-Nd-139

Incident Energy (MeV)

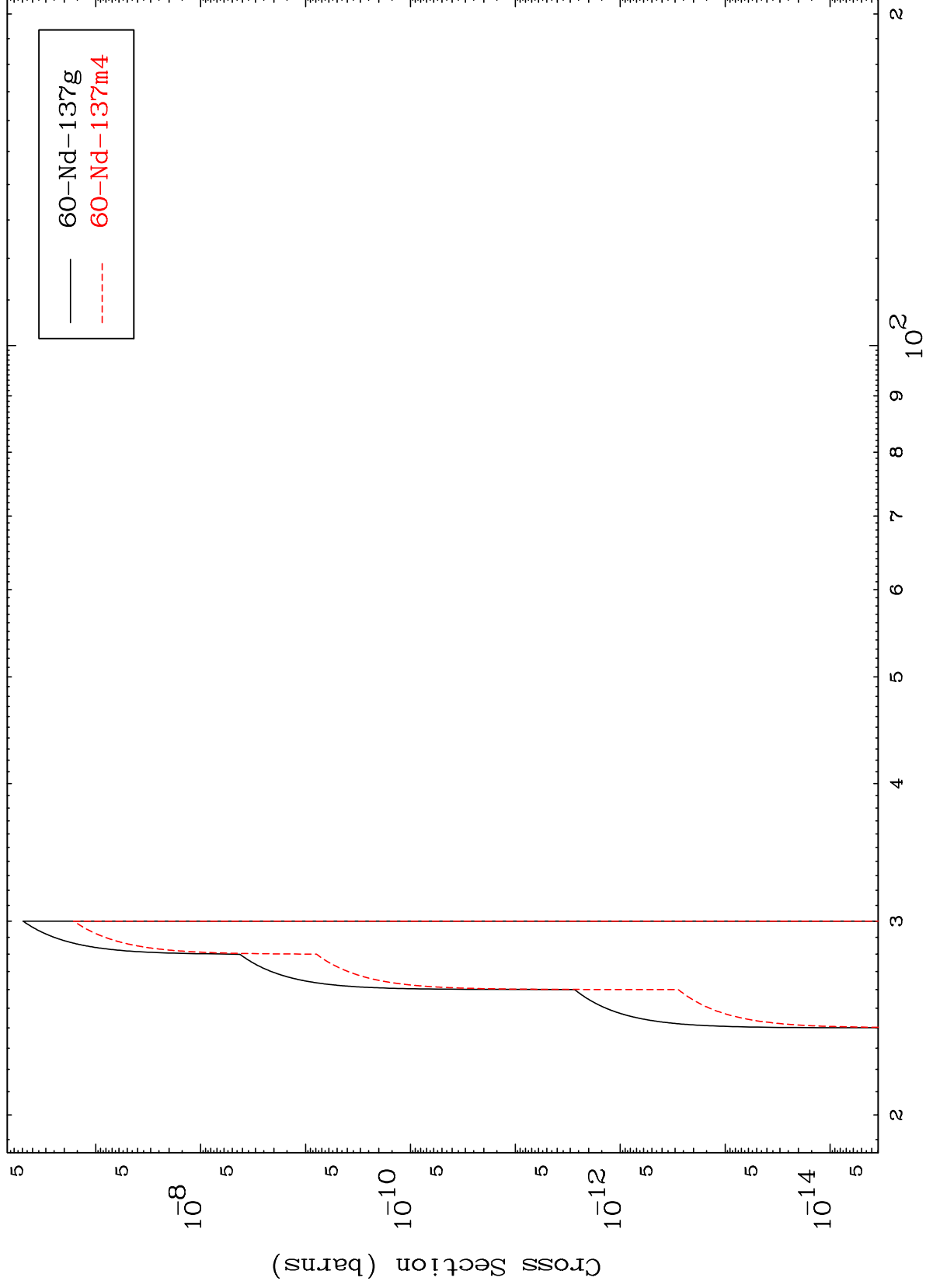
11

MAT 6016

$(n,2n) \alpha$

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

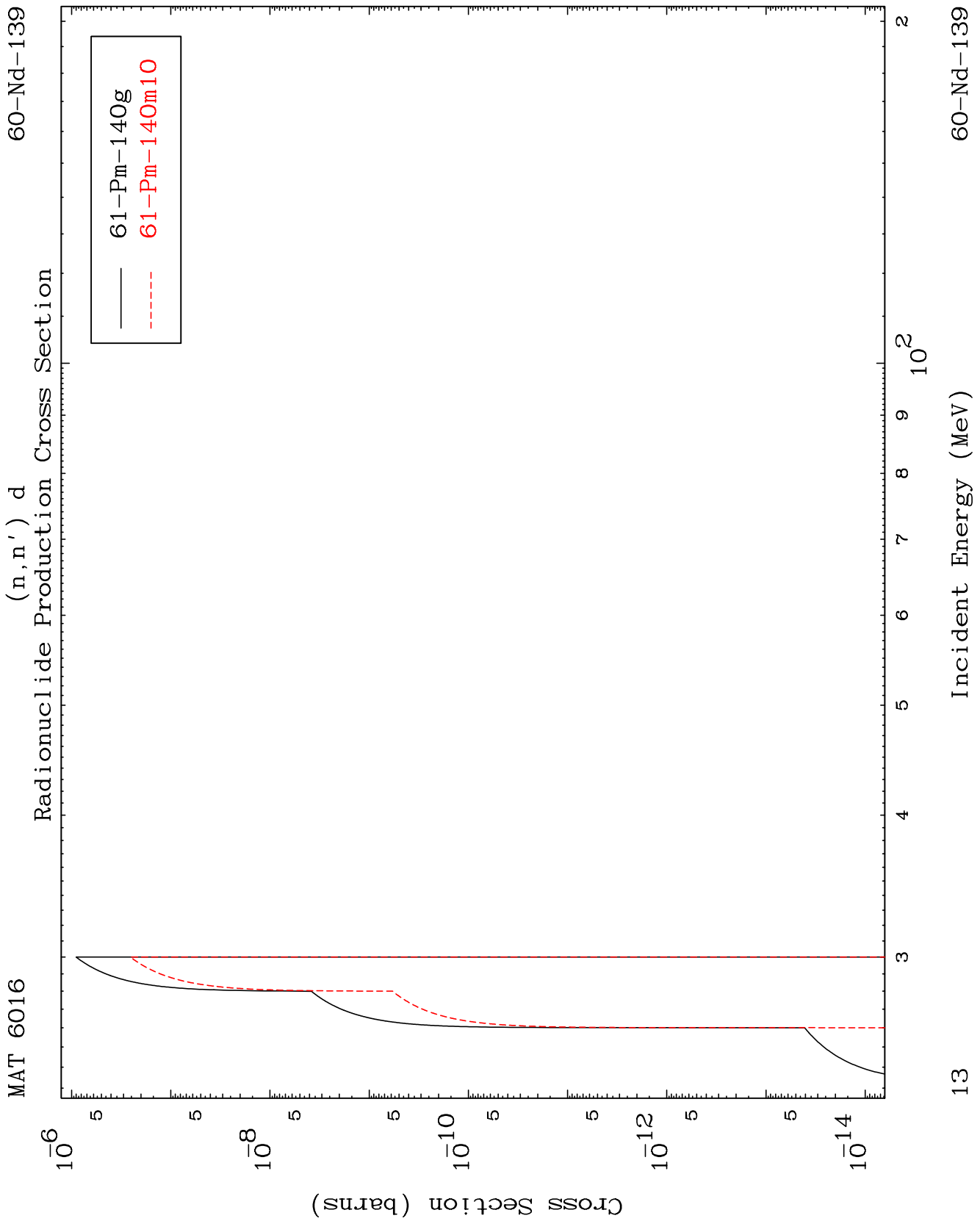
Radionuclide Production Cross Section



12

Incident Energy (MeV)

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

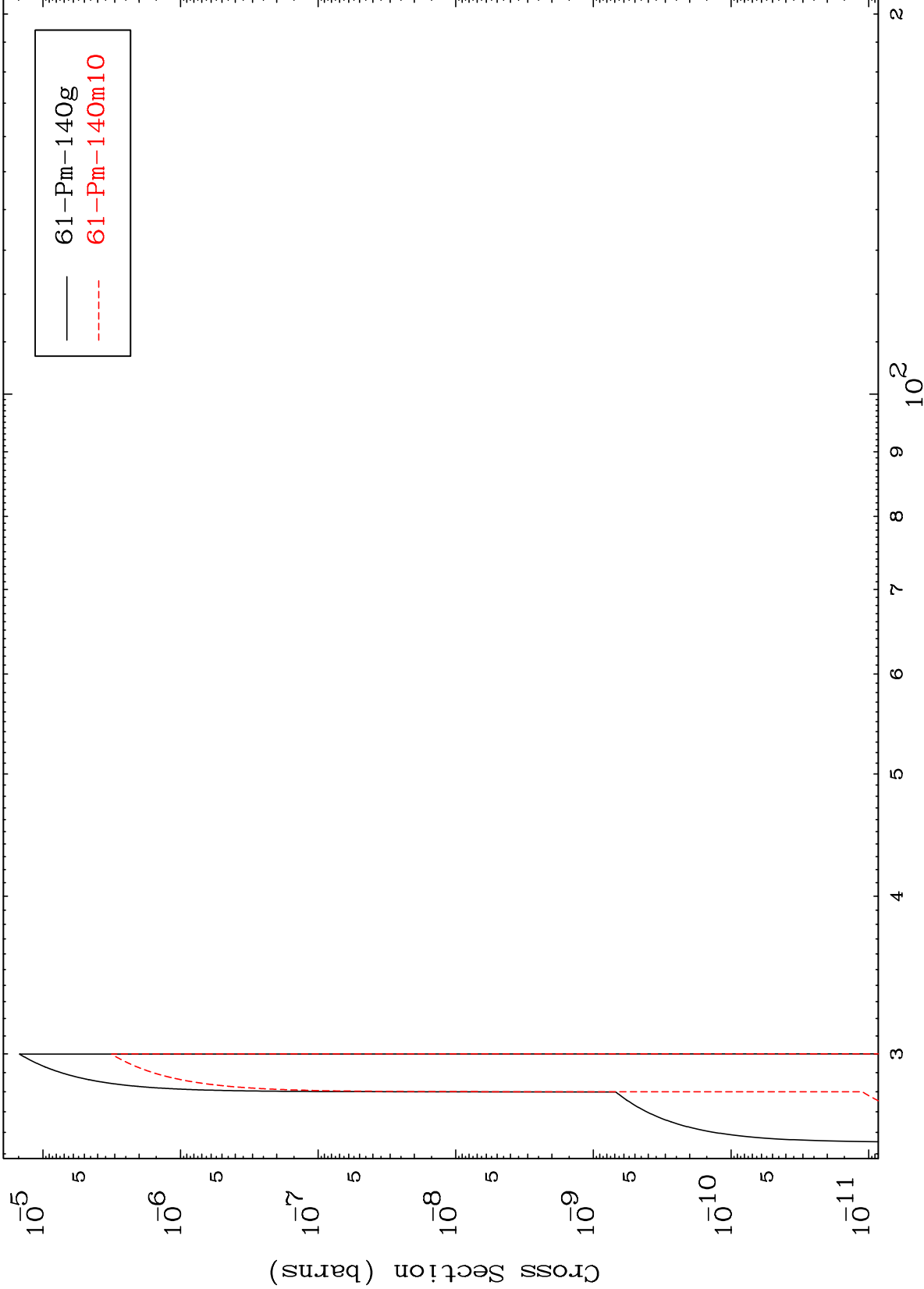


MAT 6016

(n,2n) p

60-Nd-139

Radionuclide Production Cross Section



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

14

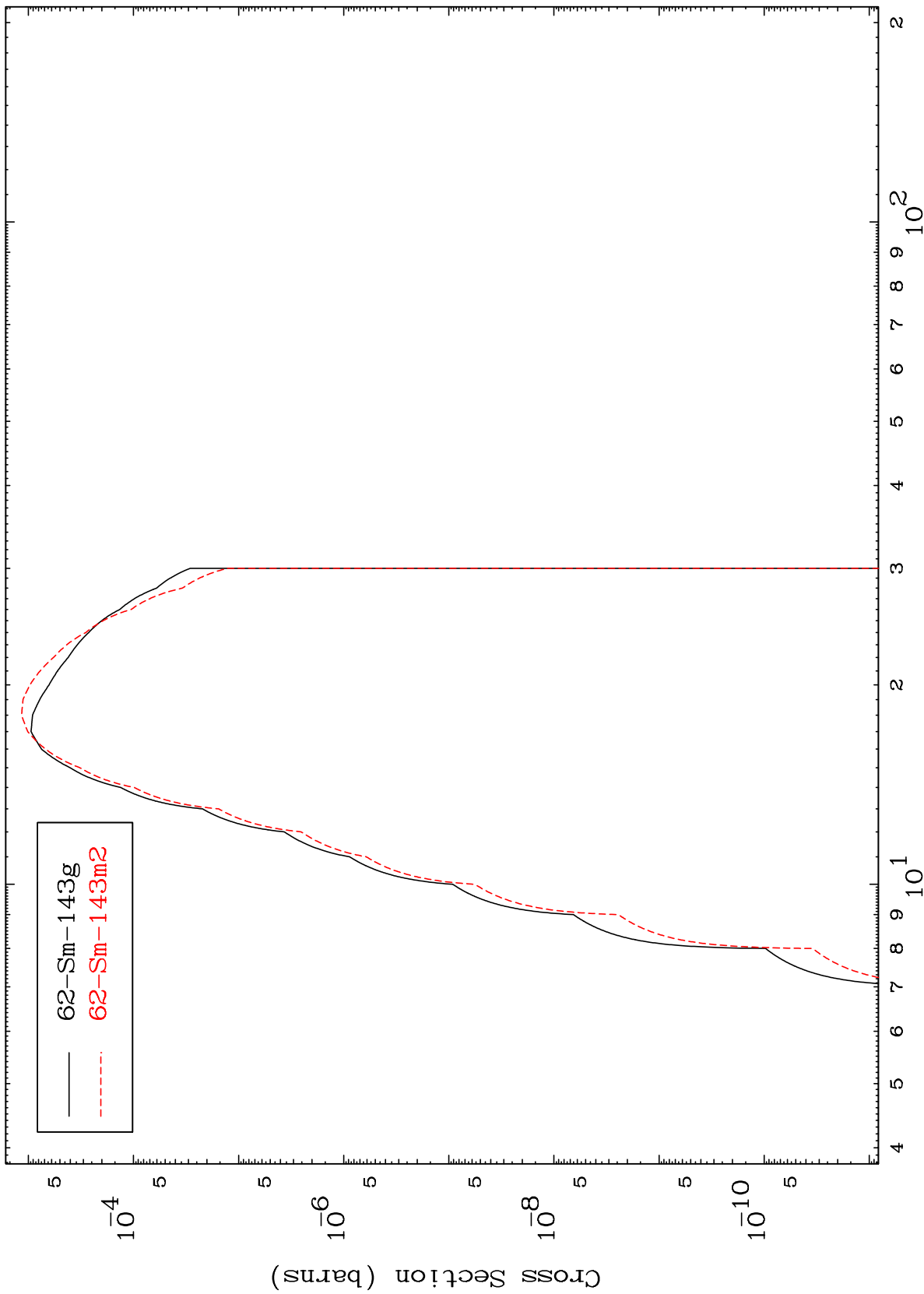
Incident Energy (MeV)

60-Nd-139

MAT 6016

60-Nd-139

Radionuclide Production Cross Section
(n,γ)



15

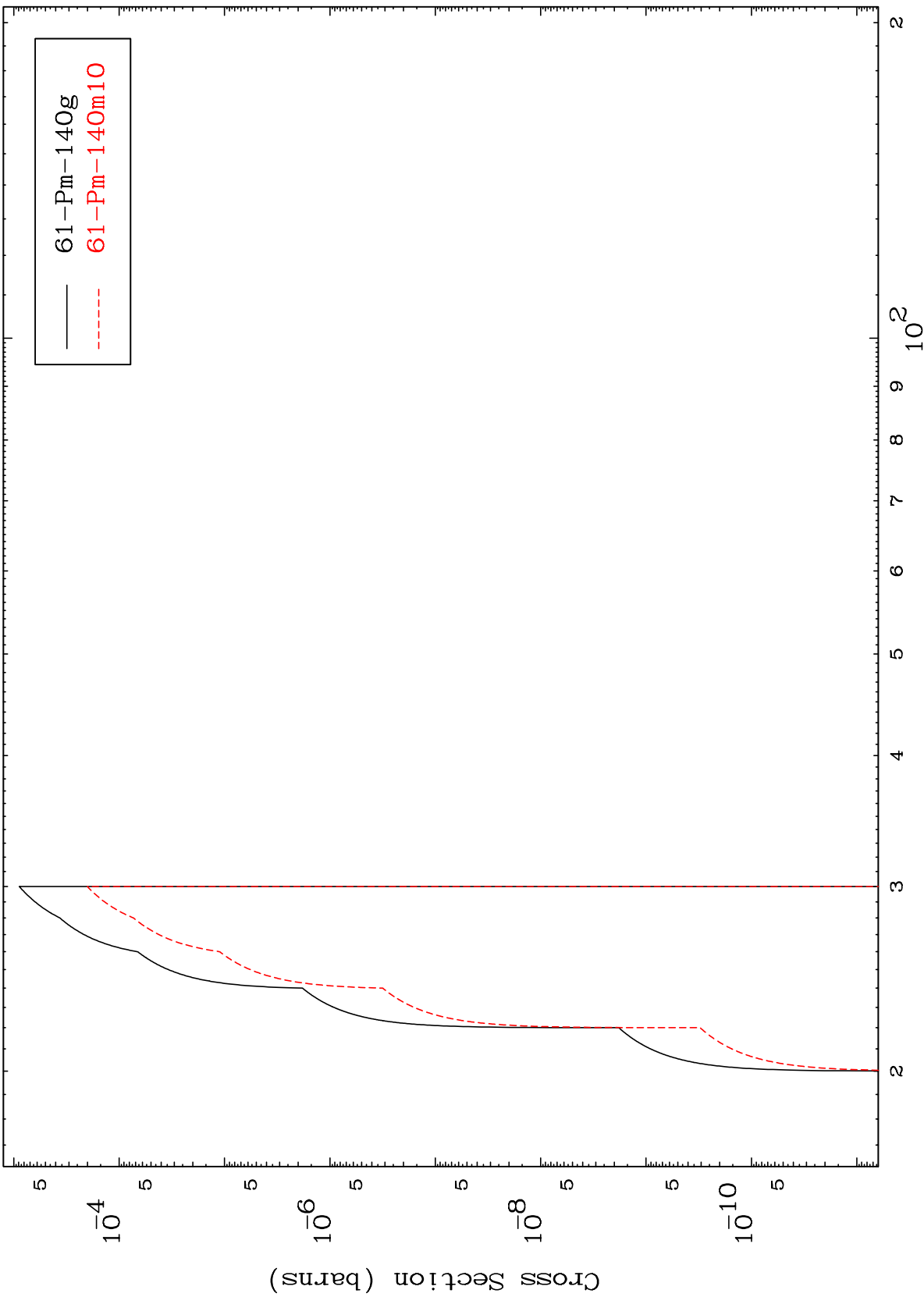
Incident Energy (MeV)

60-Nd-139

MAT 6016

60-Nd-139

(n, t)
Radionuclide Production Cross Section



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

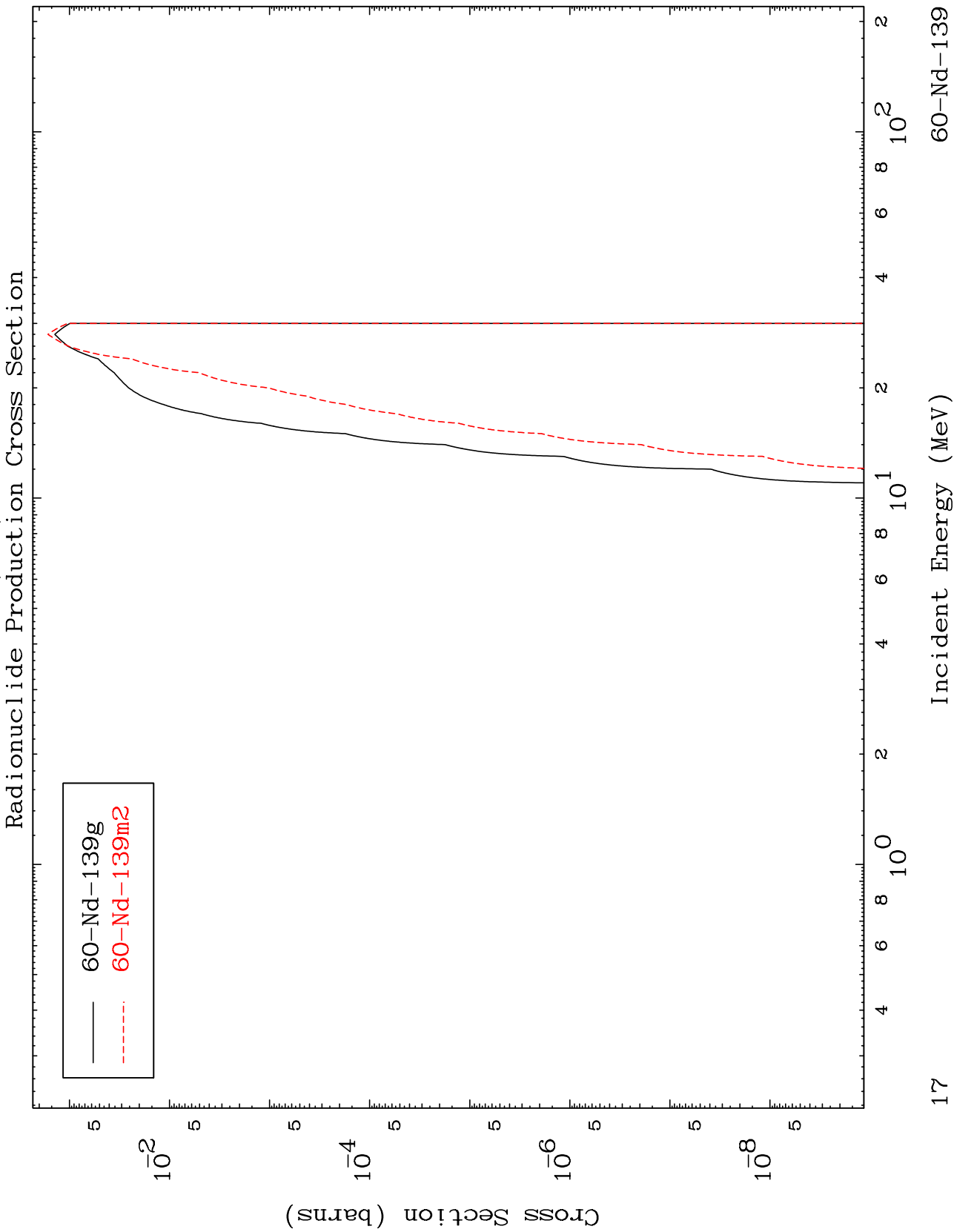
16

Incident Energy (MeV)

60-Nd-139

MAT 6016

60-Nd-139

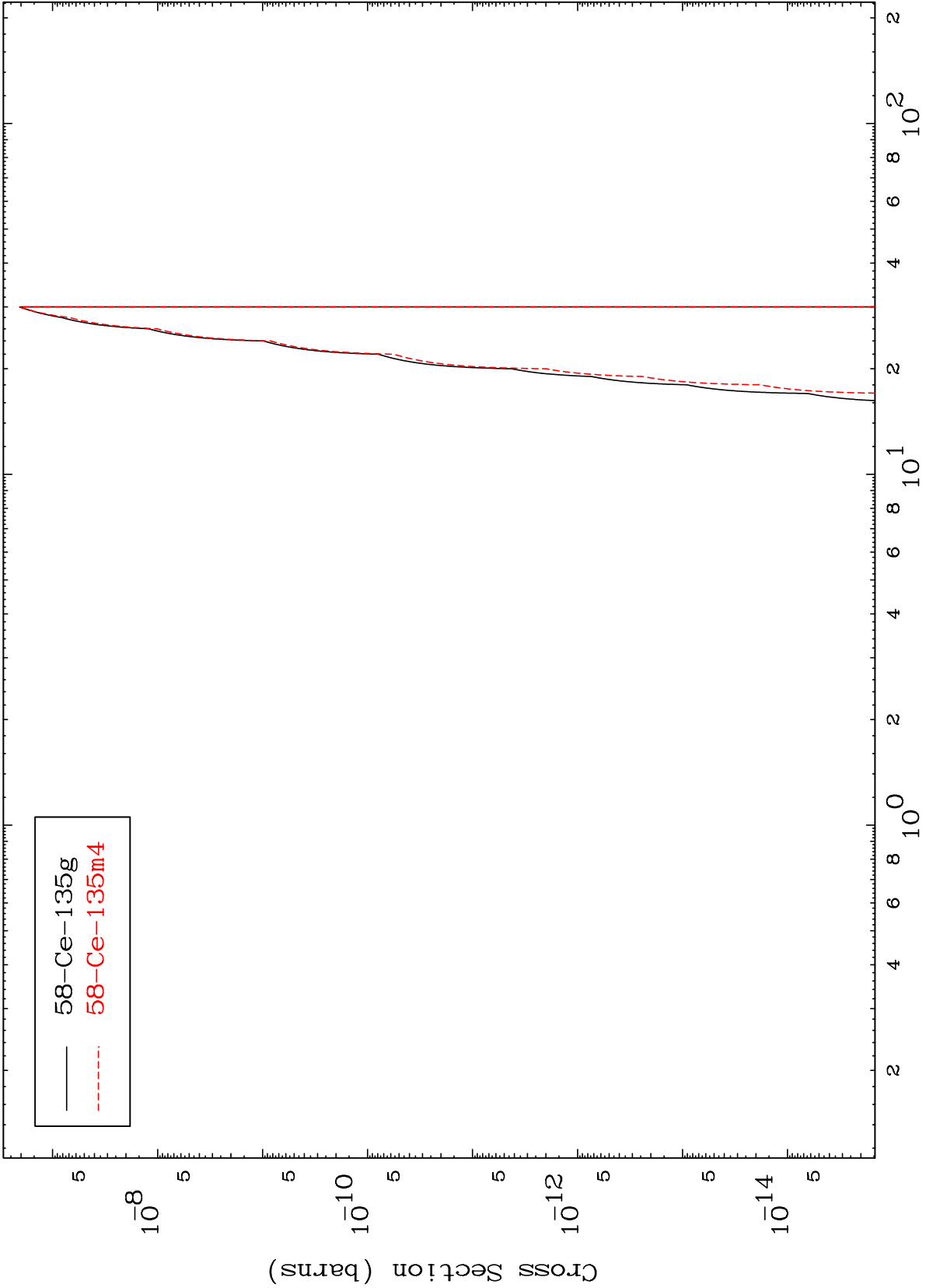


MAT 6016

(n,2α)

60-Nd-139

Radionuclide Production Cross Section



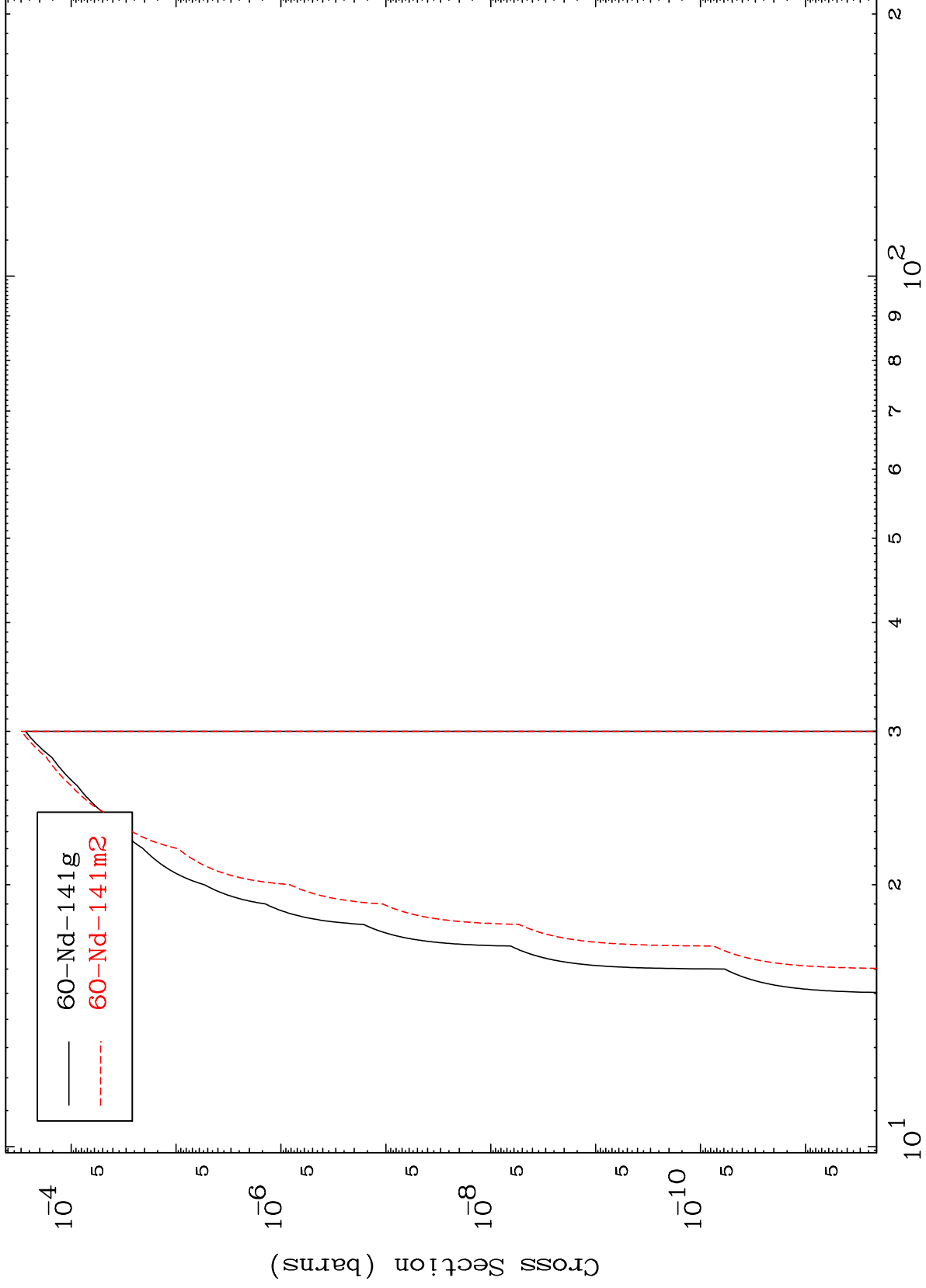
58-Ce-135g
58-Ce-135m4

MAT 6016

(n,2p)

60-Nd-139

Radionuclide Production Cross Section



Incident Energy (MeV)

60-Nd-139

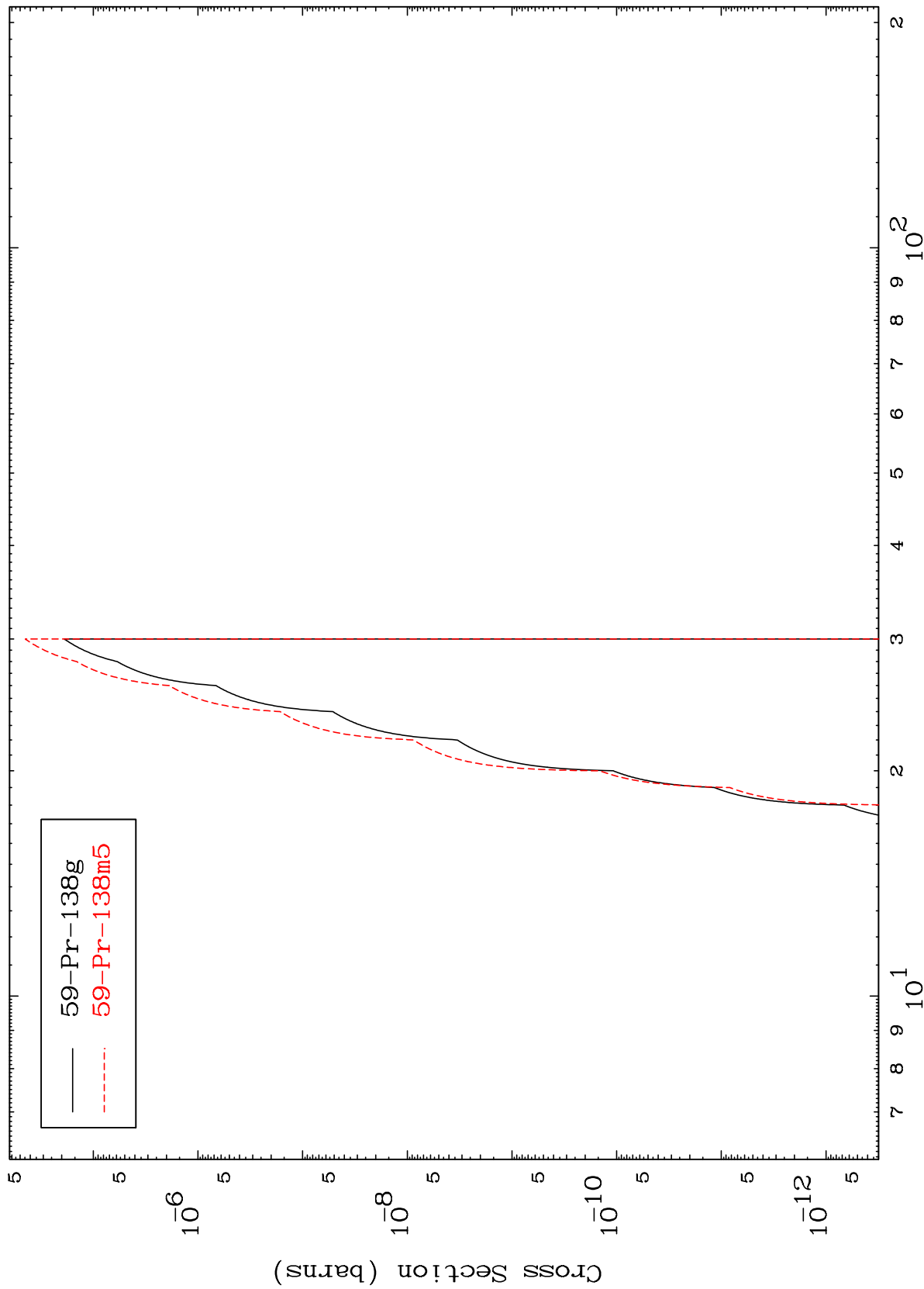
19

MAT 6016

$(n,p) \alpha$

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

Radionuclide Production Cross Section



20

Incident Energy (MeV)

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