

Program EVALPLOT
(Version 2021-1)

by

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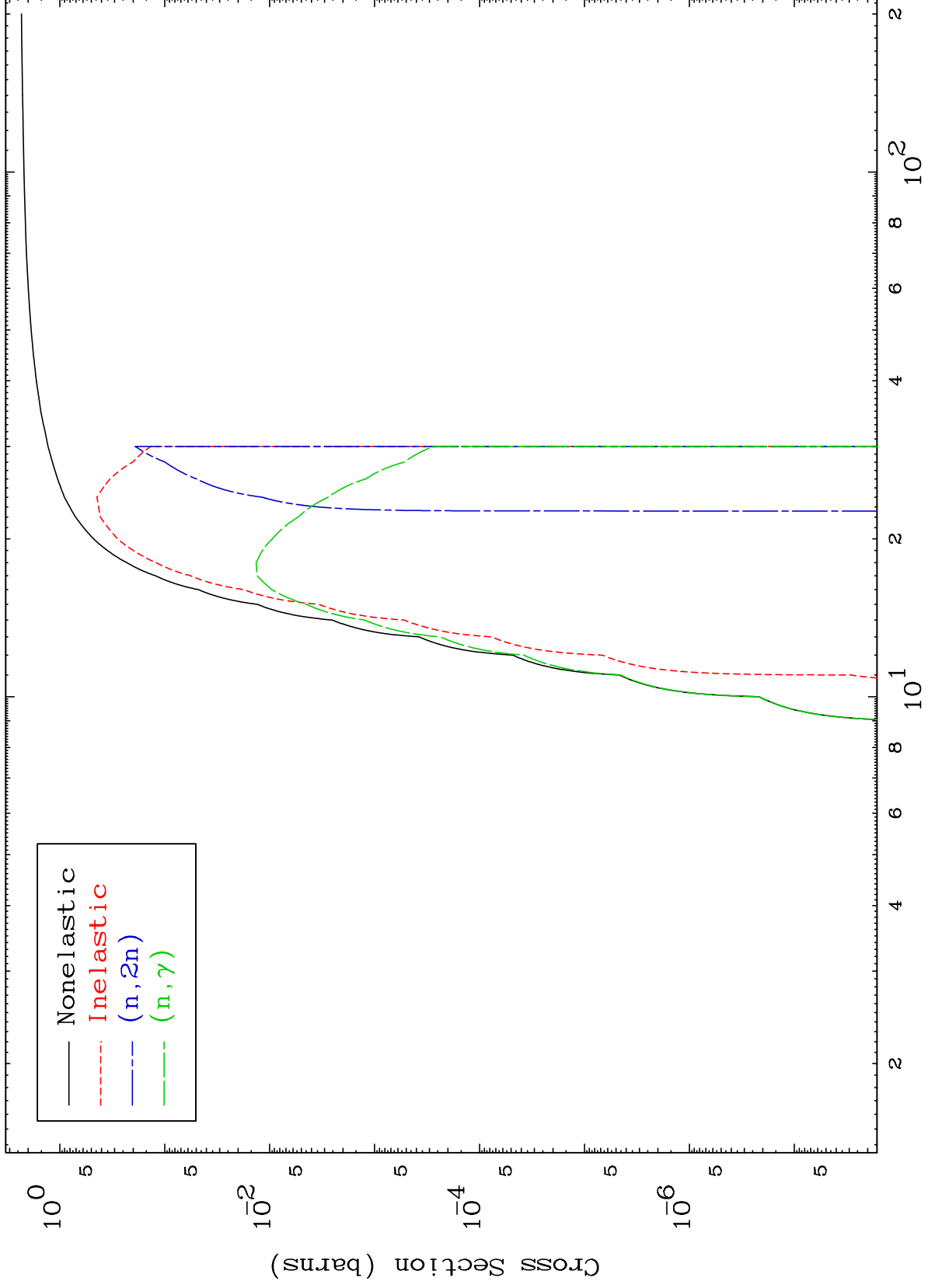
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6004

0 Kelvin Cross Sections

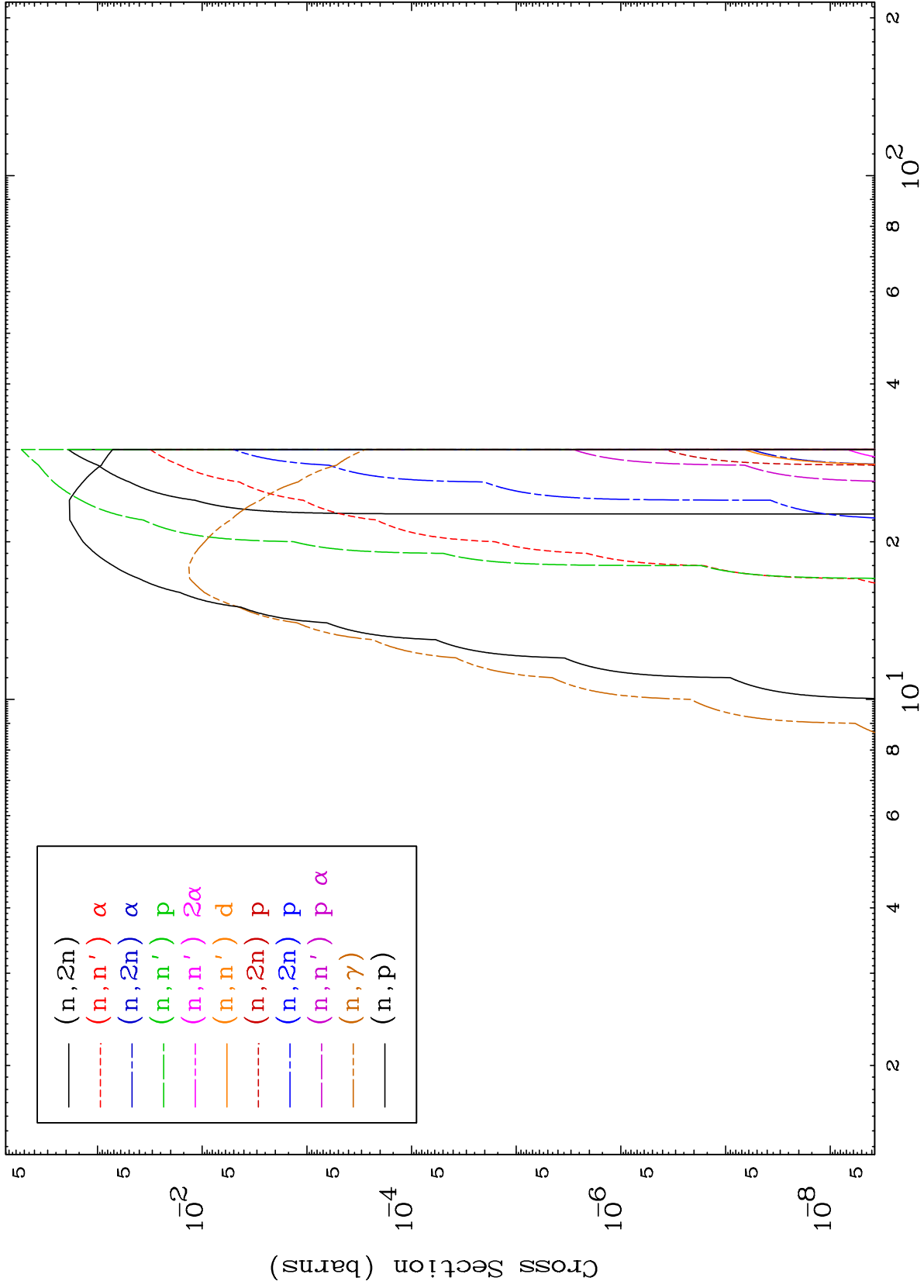
60-Nd-135



MAT 6004

α Neutron Absorption
0 Kelvin Cross Sections

60-Nd-135



2

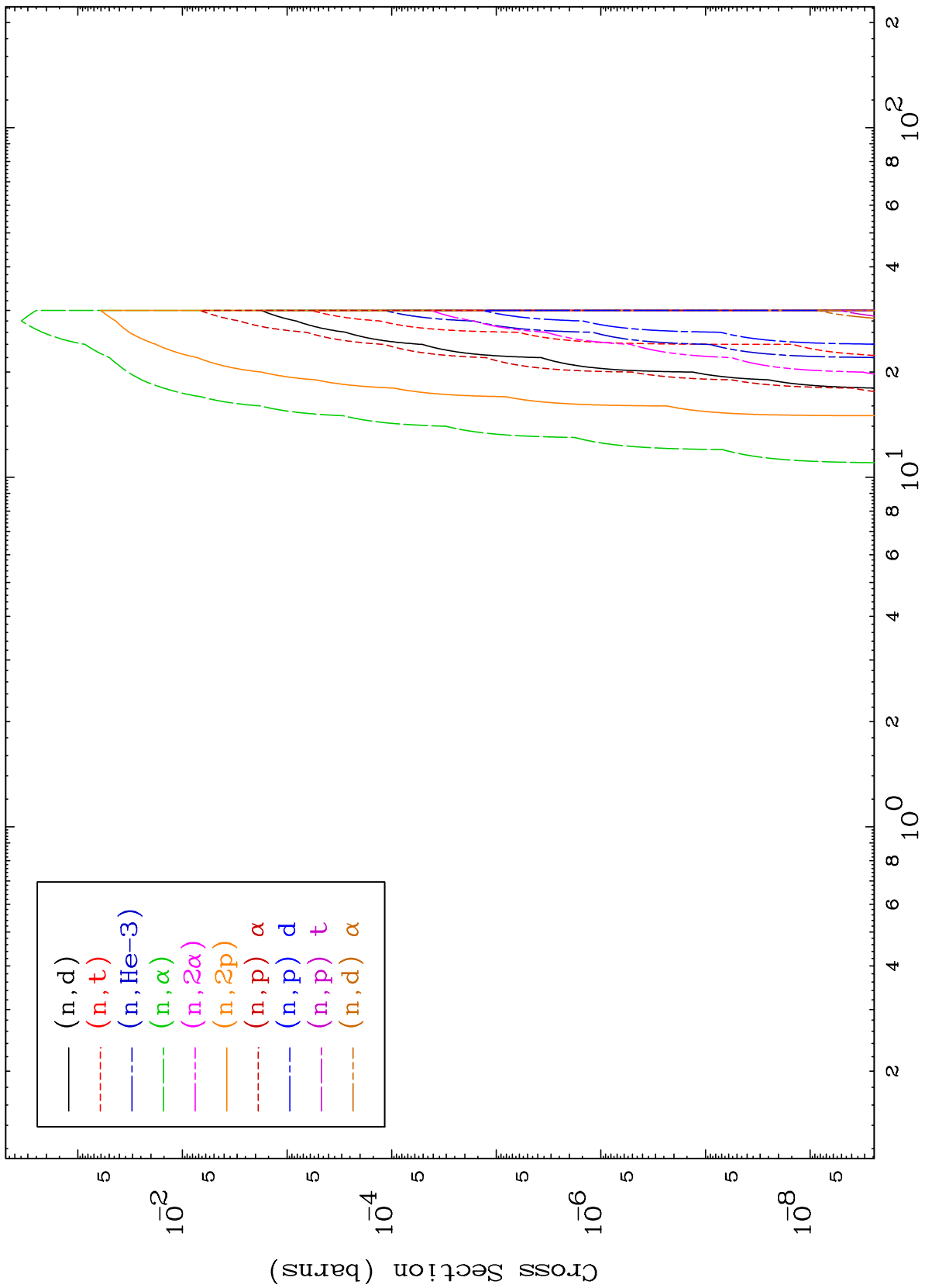
Incident Energy (MeV)

60-Nd-135

MAT 6004

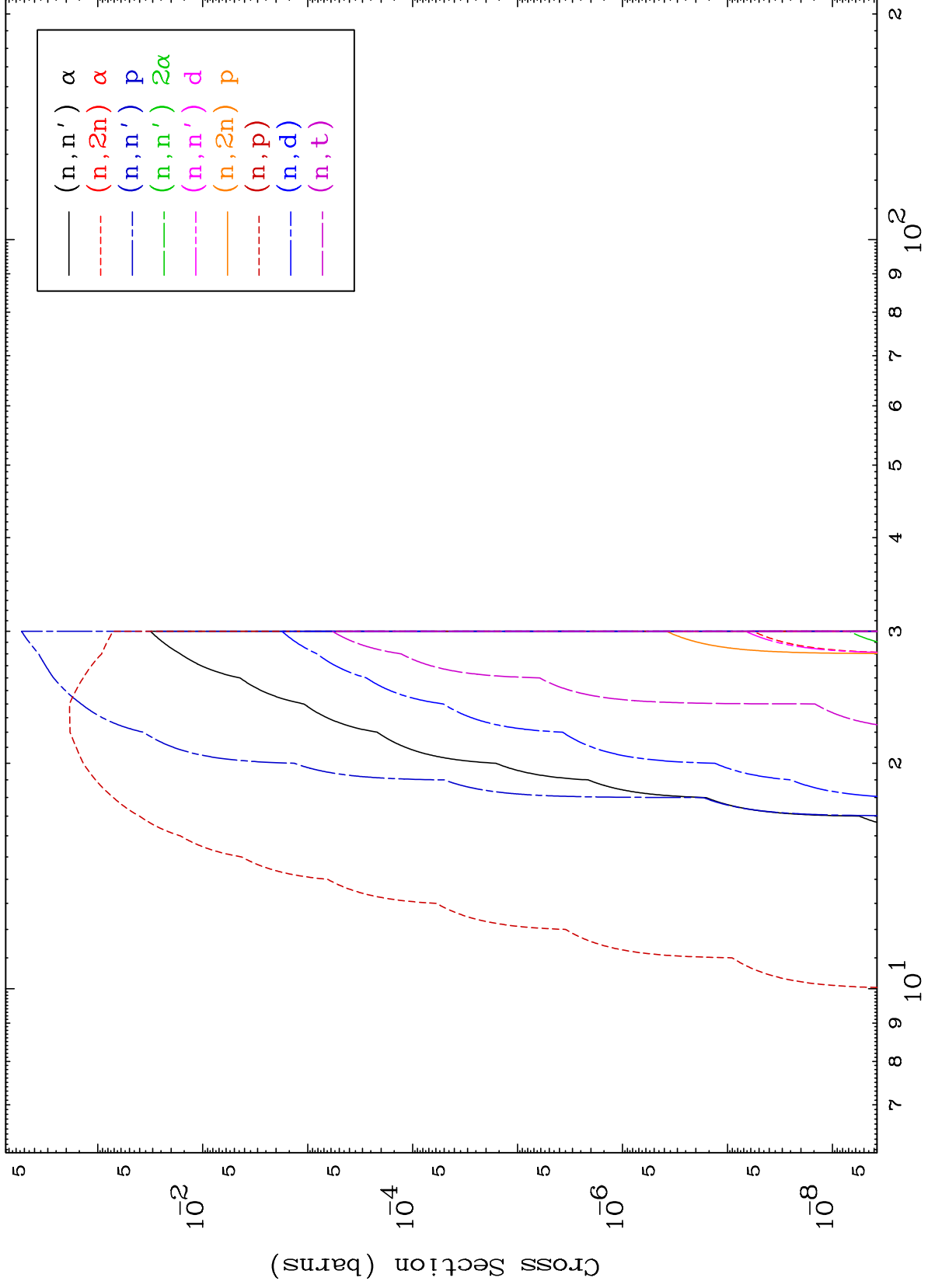
60-Nd-135

α Neutron Absorption
0 Kelvin Cross Sections



60-Nd-135

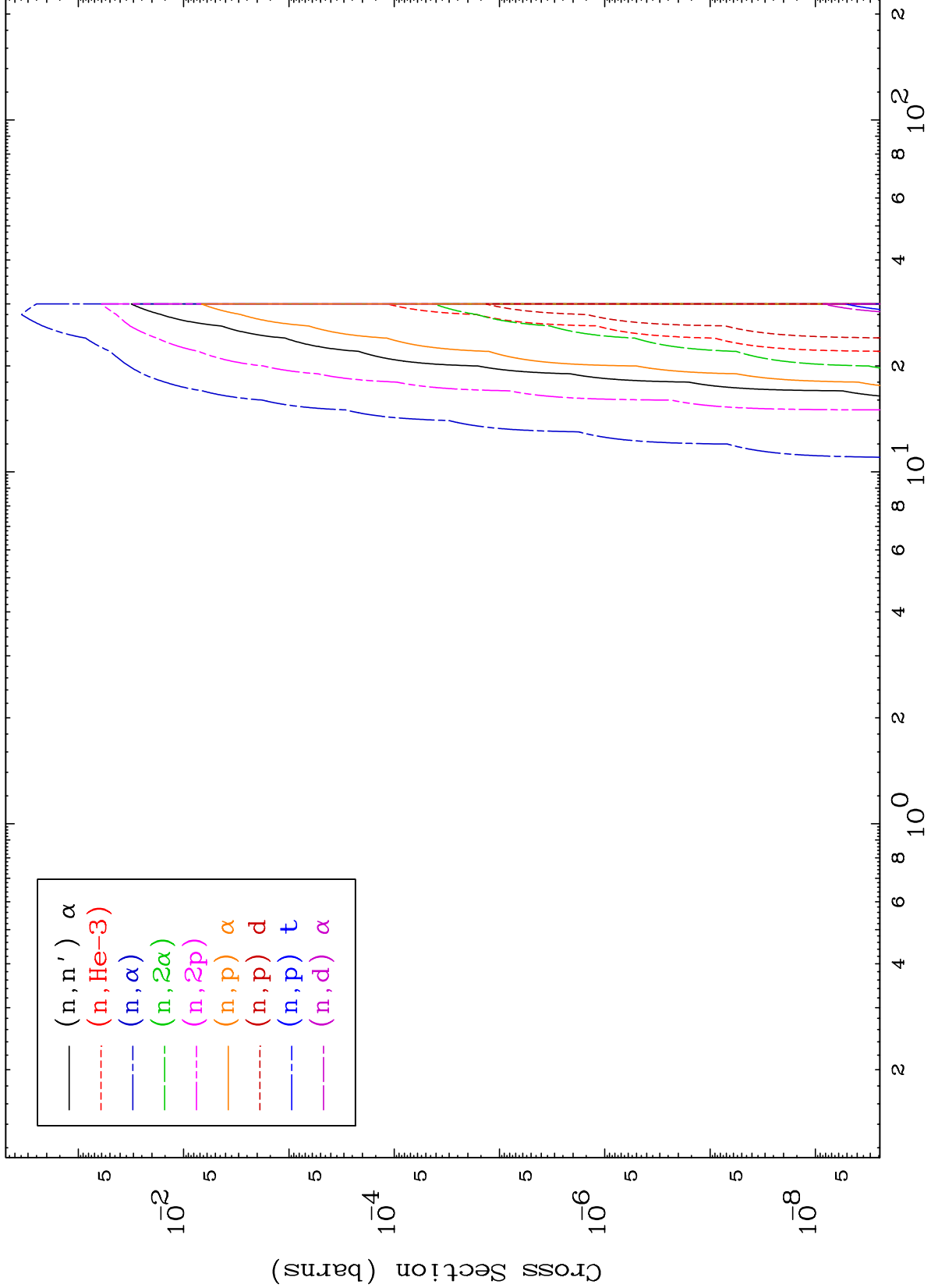
Incident Energy (MeV)



MAT 6004

α Charged Particle
0 Kelvin Cross Sections

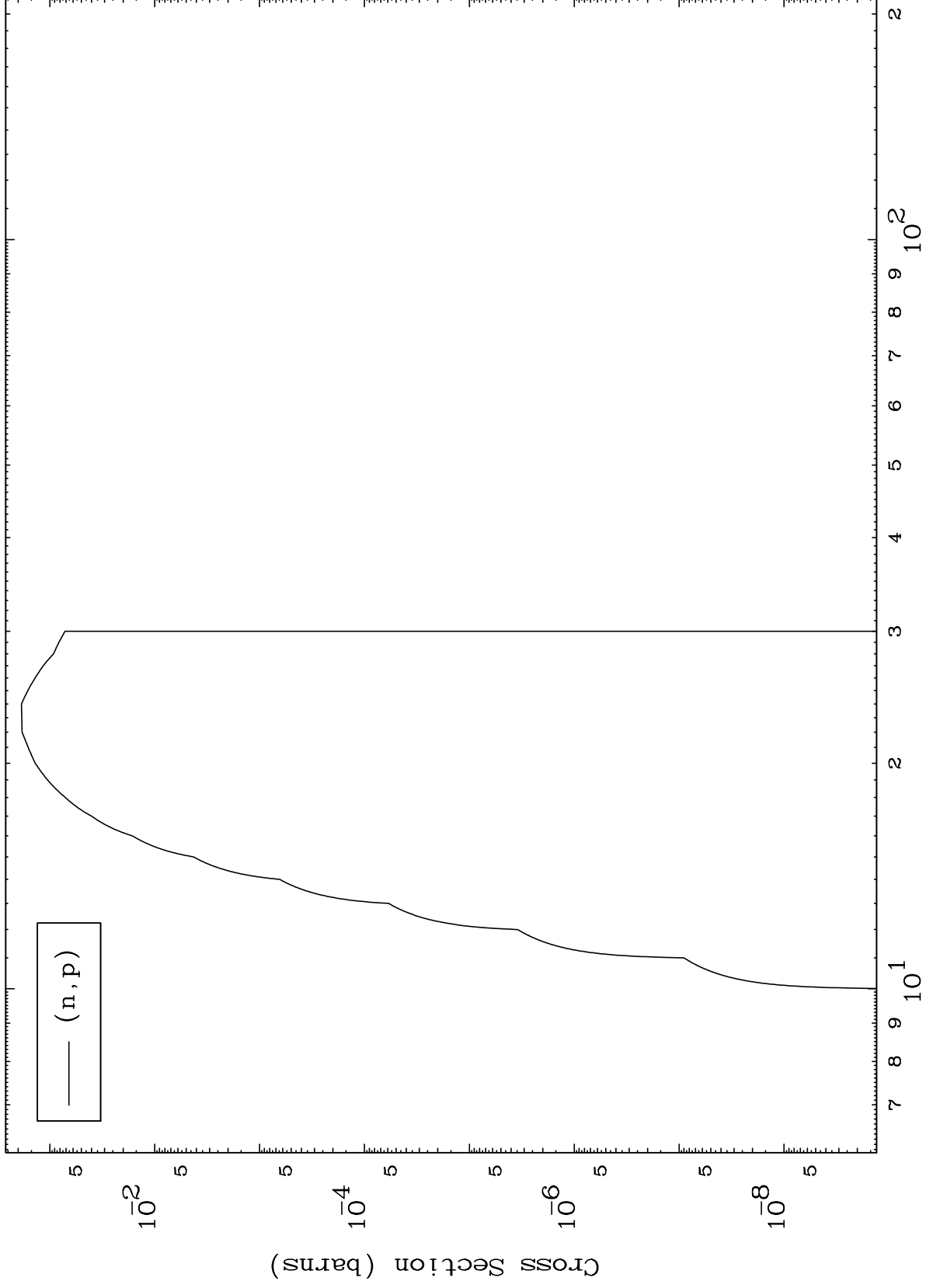
60-Nd-135



MAT 6004

(α, p) Levels
0 Kelvin Cross Sections

60-Nd-135



6

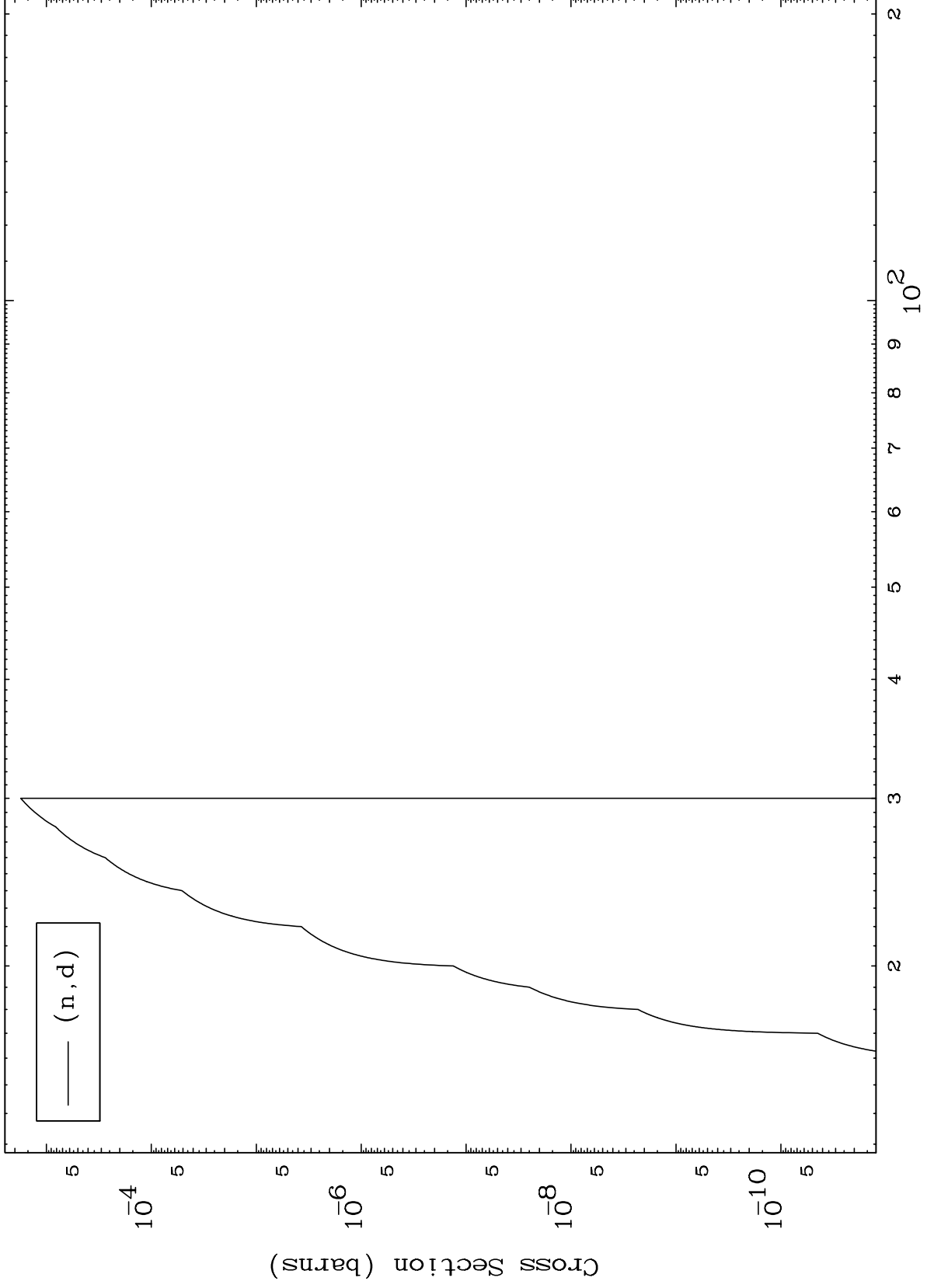
Incident Energy (MeV)

60-Nd-135

MAT 6004

(α, d) Levels
0 Kelvin Cross Sections

60-Nd-135



7

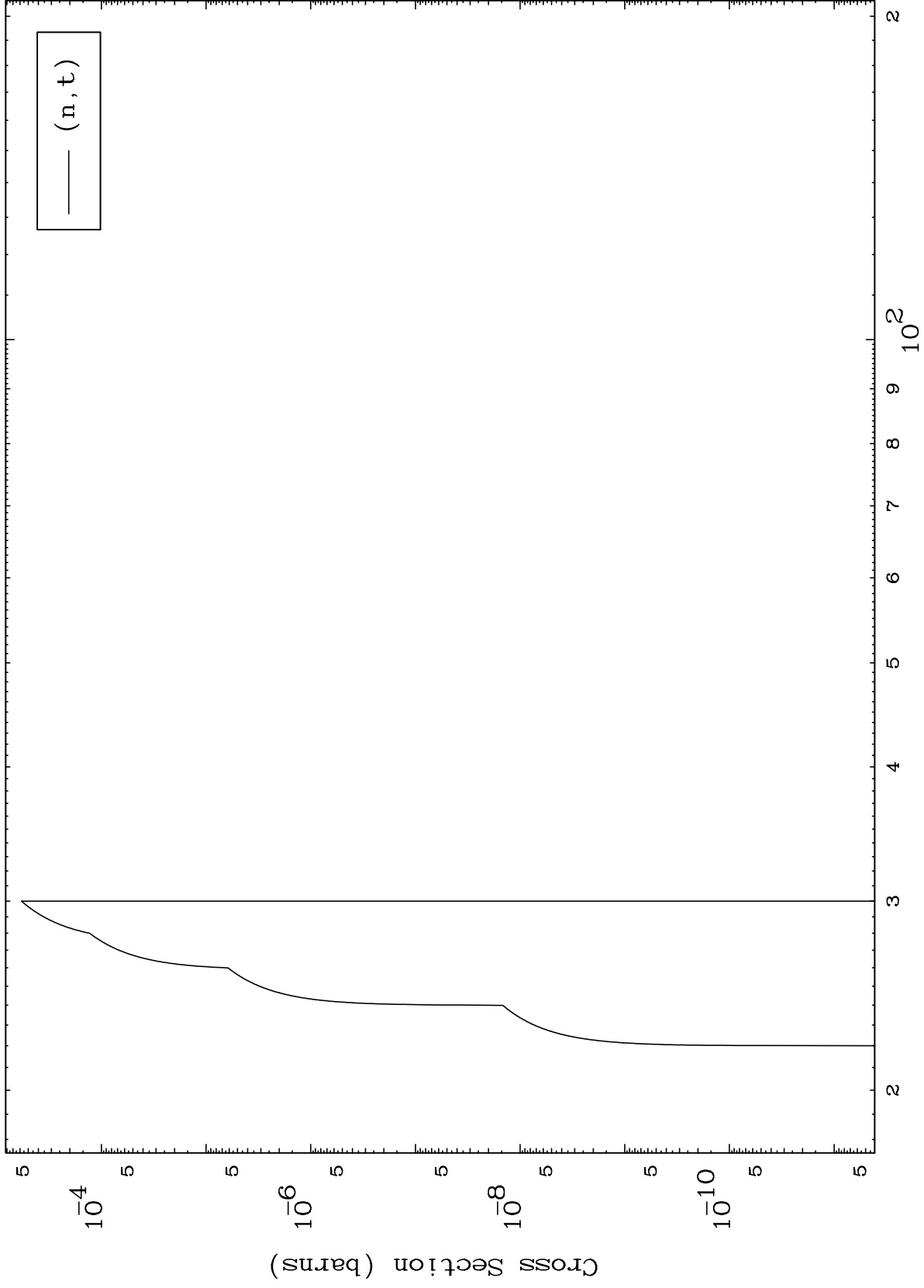
Incident Energy (MeV)

60-Nd-135

MAT 6004

(α, t) Levels
0 Kelvin Cross Sections

60-Nd-135



8

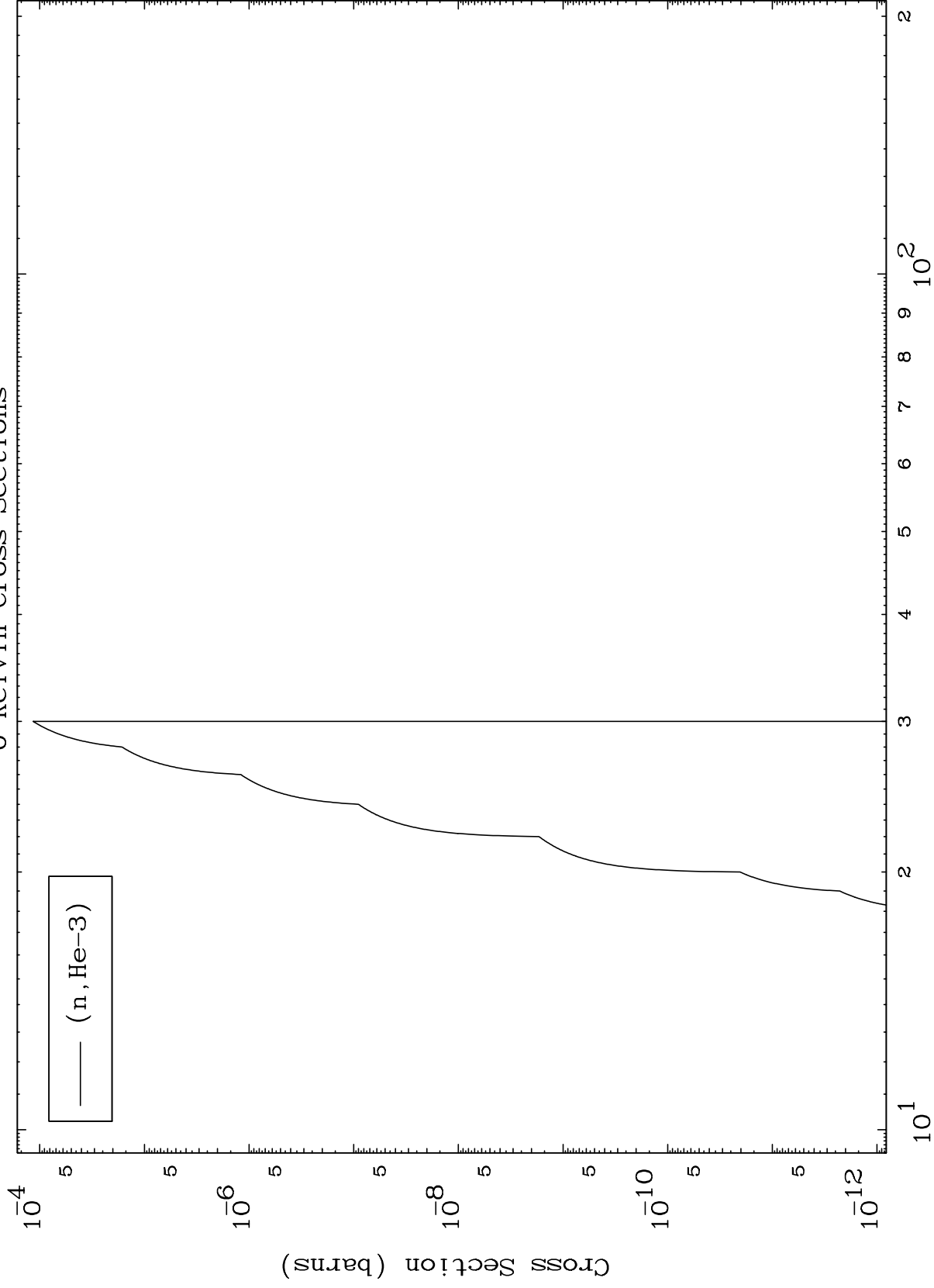
Incident Energy (MeV)

60-Nd-135

MAT 6004

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

60-Nd-135



Incident Energy (MeV)

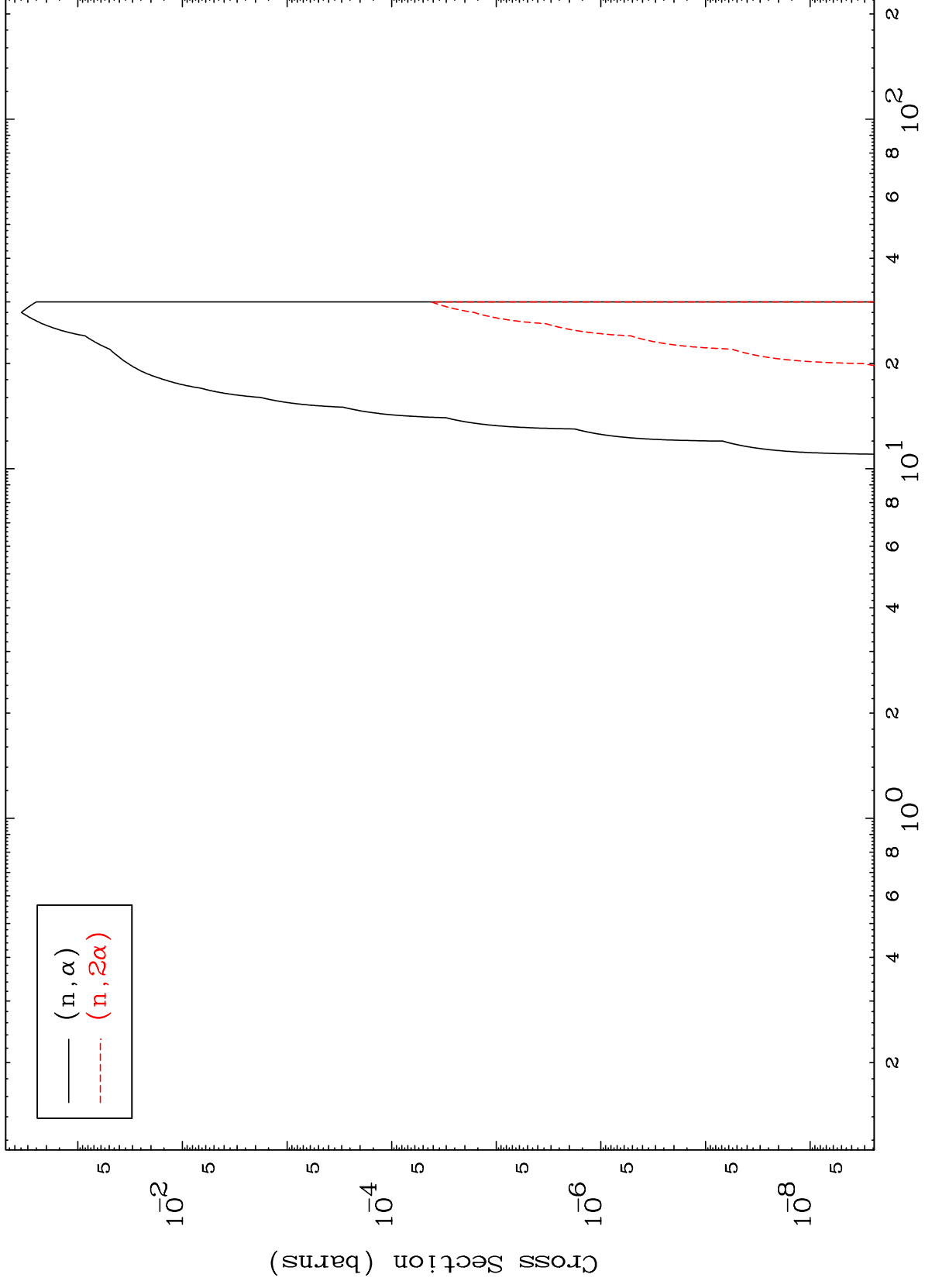
60-Nd-135

MAT 6004

(α, α) Levels

60-Nd-135

0 Kelvin Cross Sections



— (n, α)
- - - (n, 2α)

10

Incident Energy (MeV)

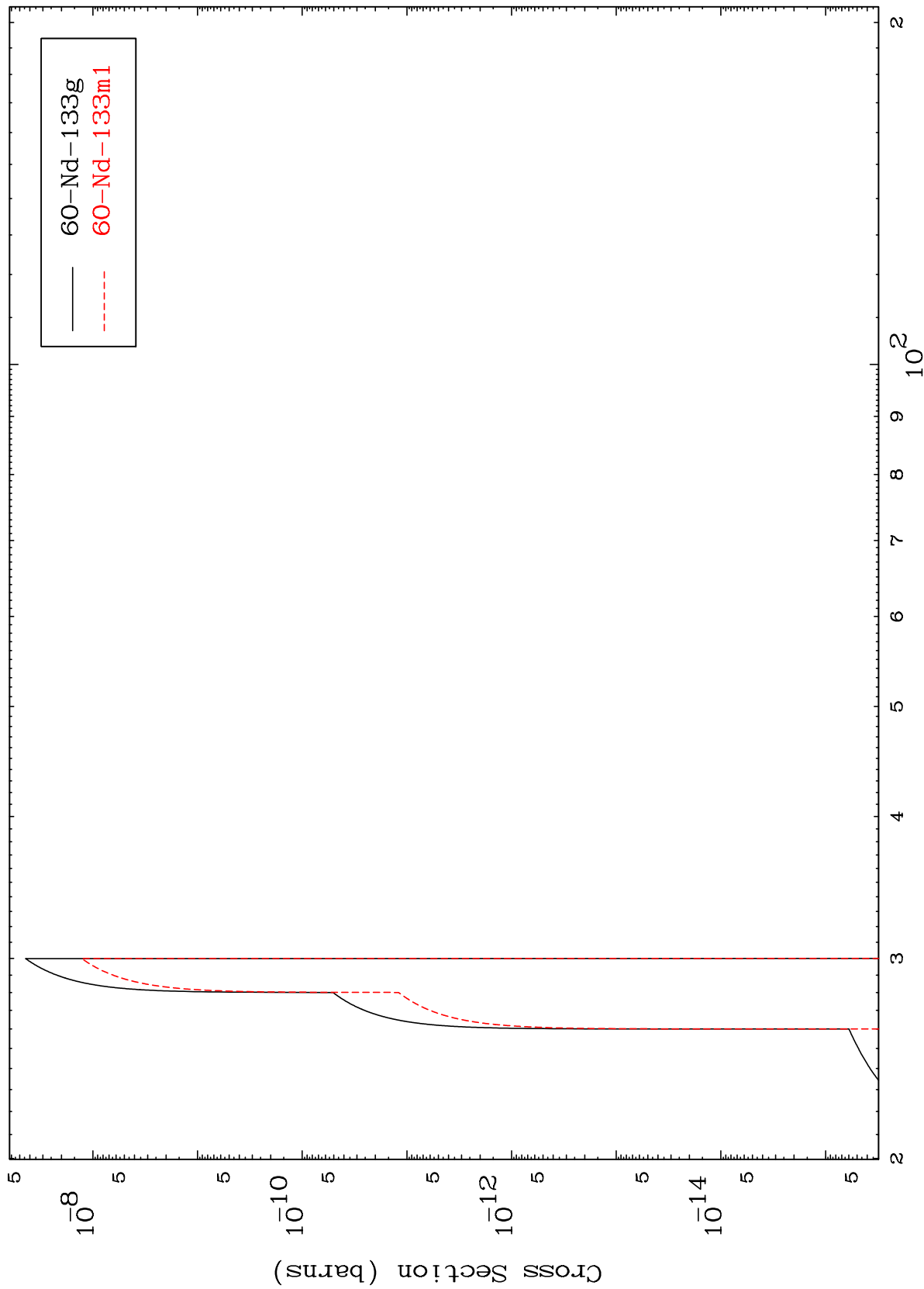
60-Nd-135

MAT 6004

$(n,2n) \alpha$

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

Radionuclide Production Cross Section

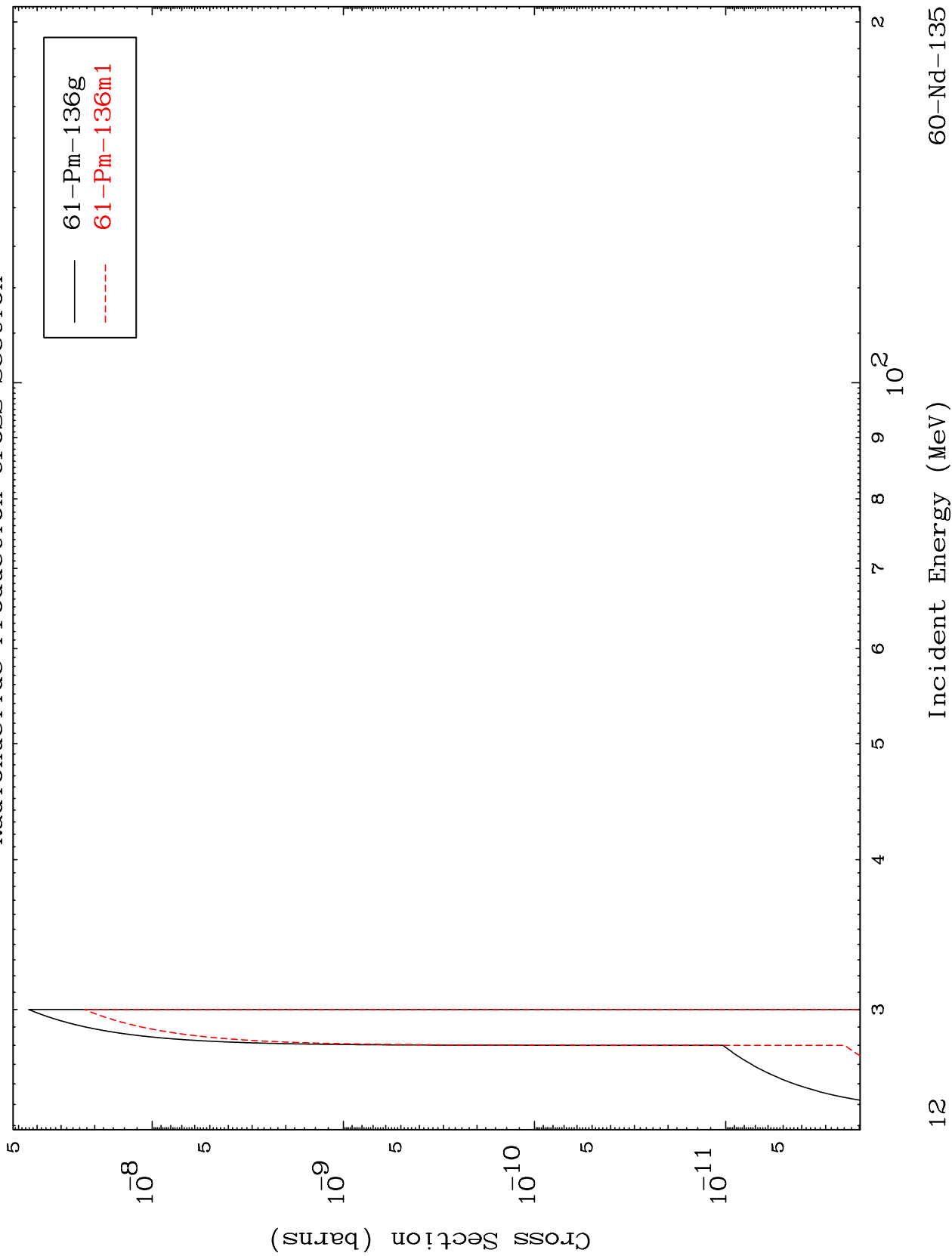


MAT 6004

(n,n') d

60-Nd-135

Radionuclide Production Cross Section



12

Incident Energy (MeV)

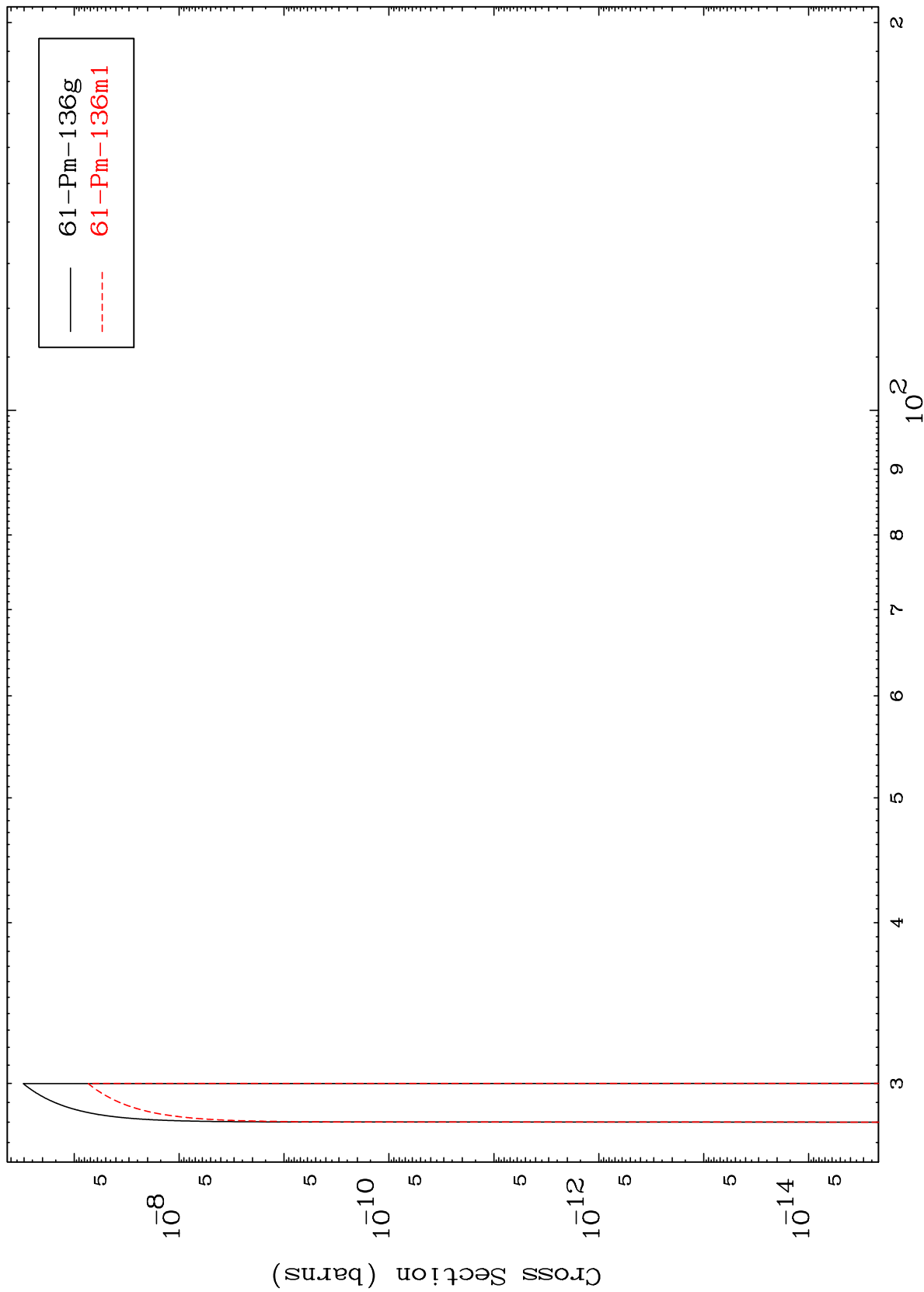
60-Nd-135

MAT 6004

60-Nd-135

(n,2n) p

Radionuclide Production Cross Section



13

60-Nd-135

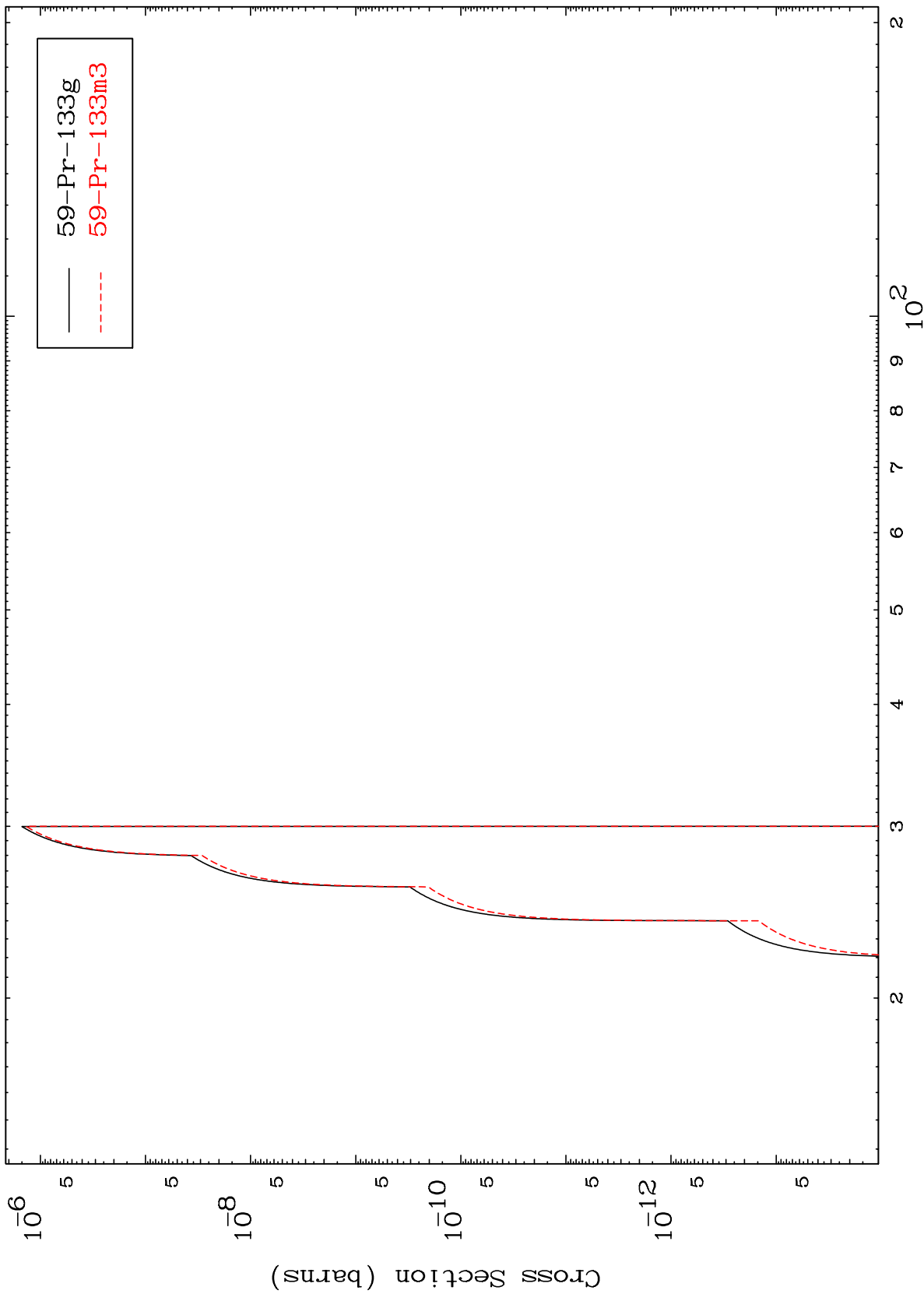
Incident Energy (MeV)

MAT 6004

(n,n') p α

60-Nd-135

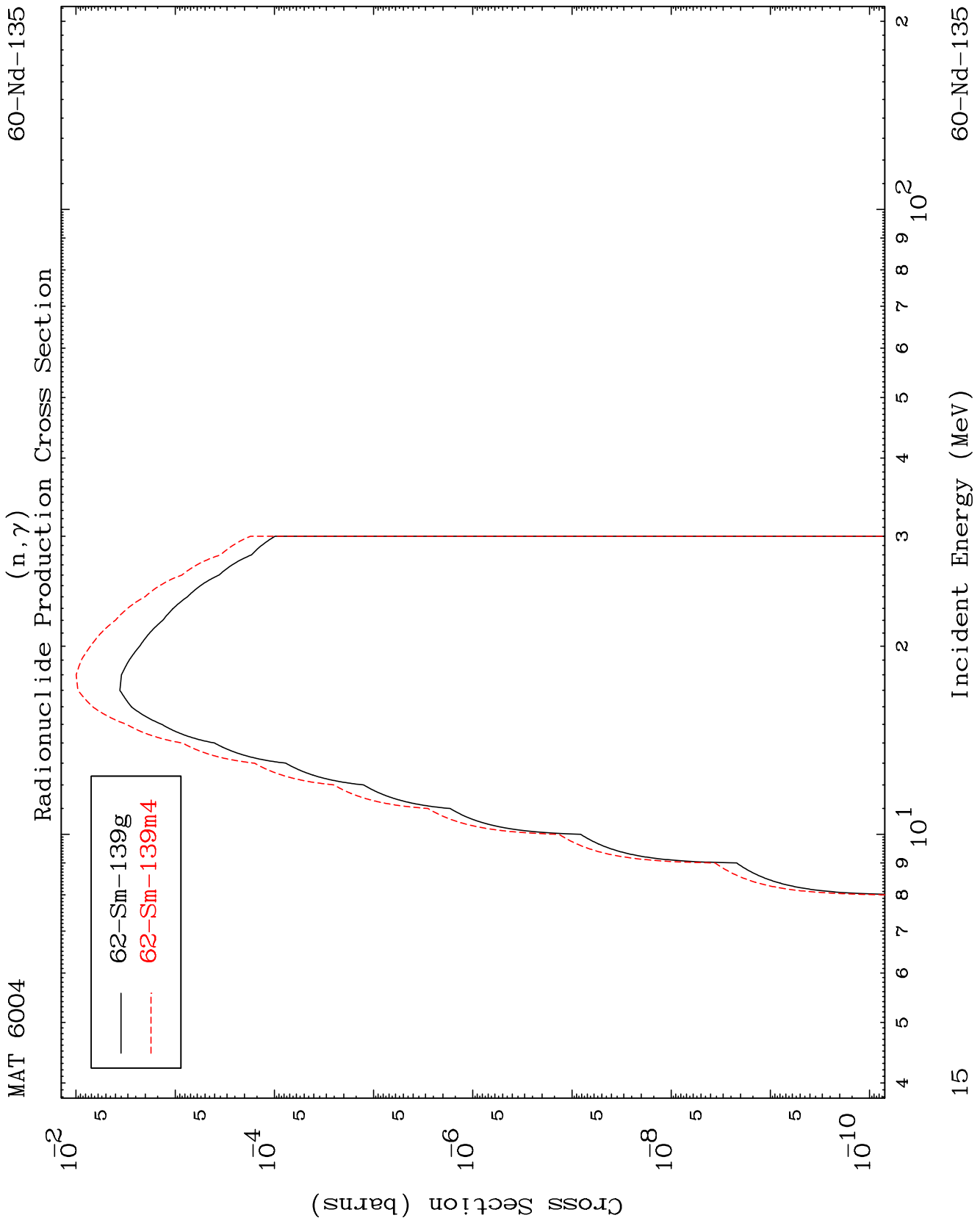
Radionuclide Production Cross Section



14

Incident Energy (MeV)

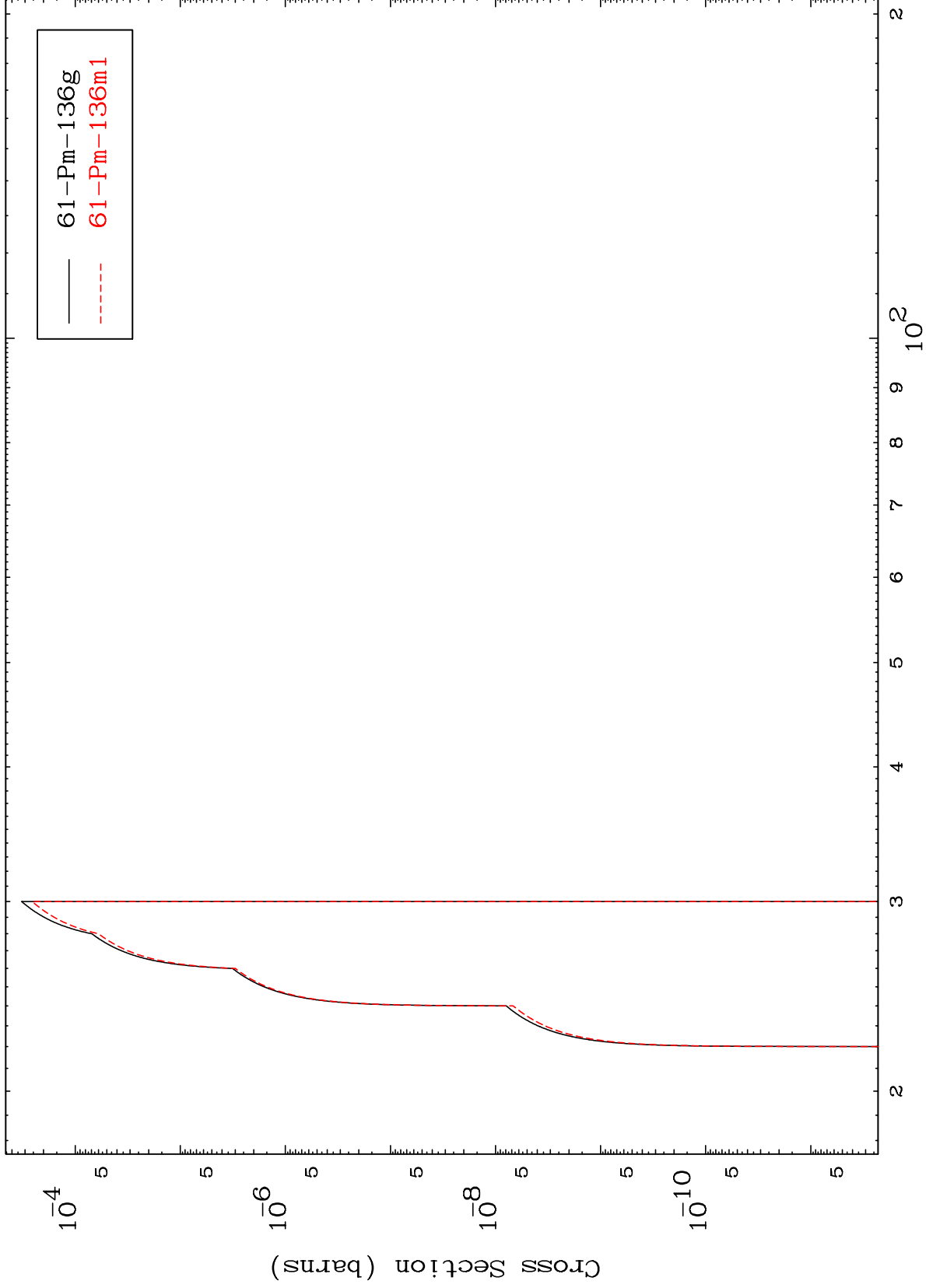
60-Nd-135



MAT 6004

60-Nd-135

(n, t)
Radionuclide Production Cross Section



60-Nd-135

Incident Energy (MeV)

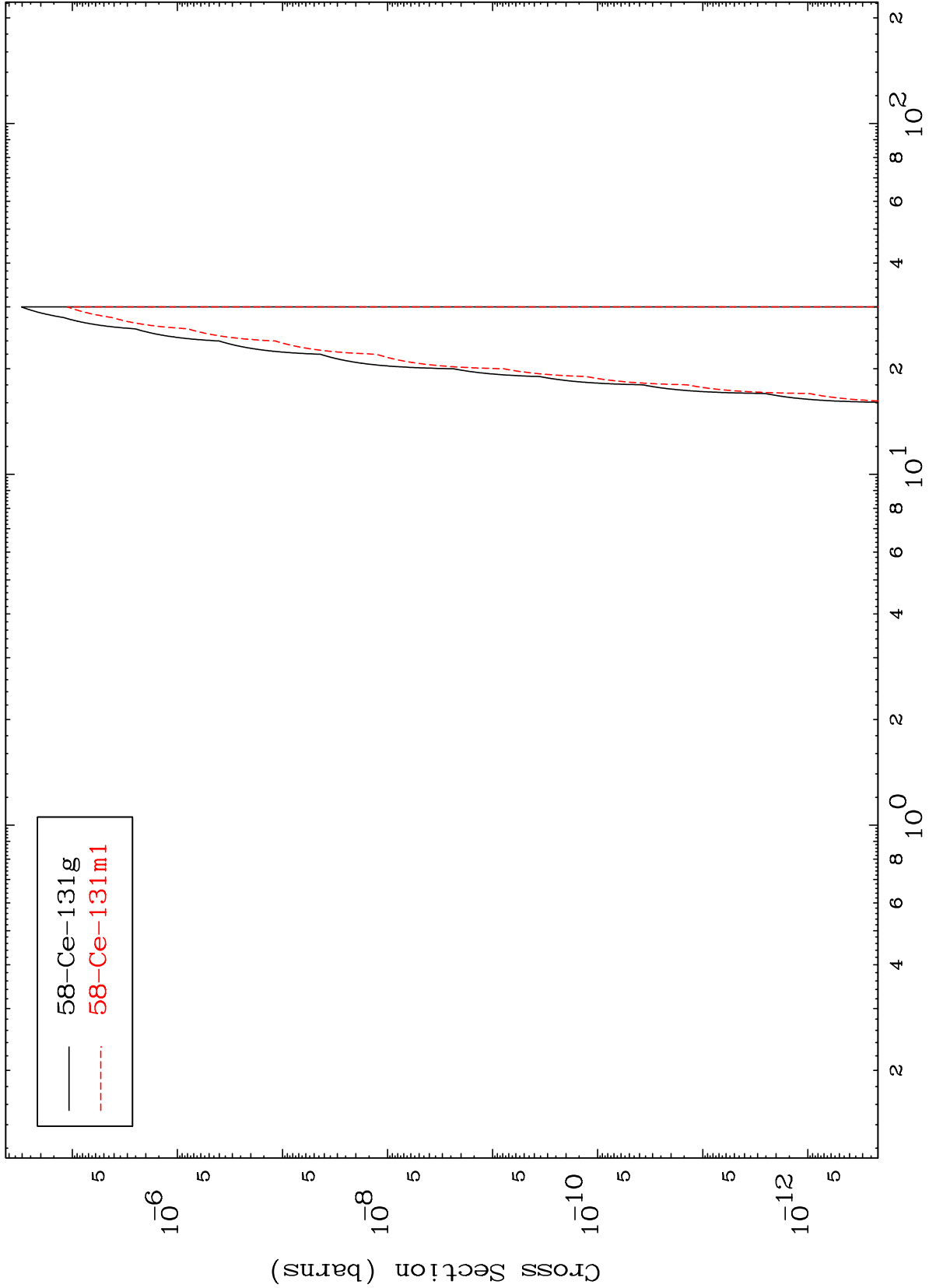
16

MAT 6004

(n,2α)

60-Nd-135

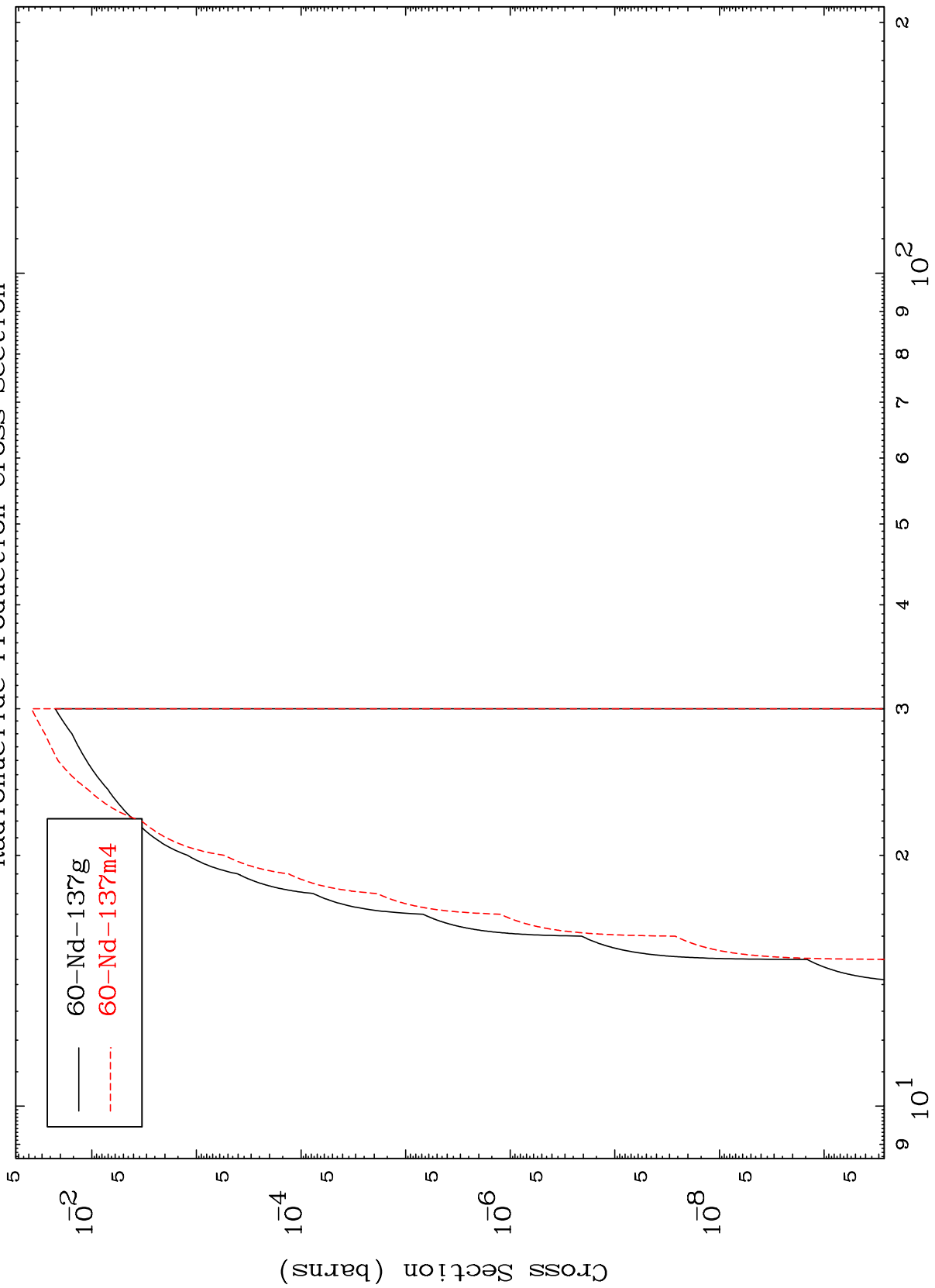
Radionuclide Production Cross Section



MAT 6004

60-Nd-135

(n,2p)
Radionuclide Production Cross Section



60-Nd-135

Incident Energy (MeV)

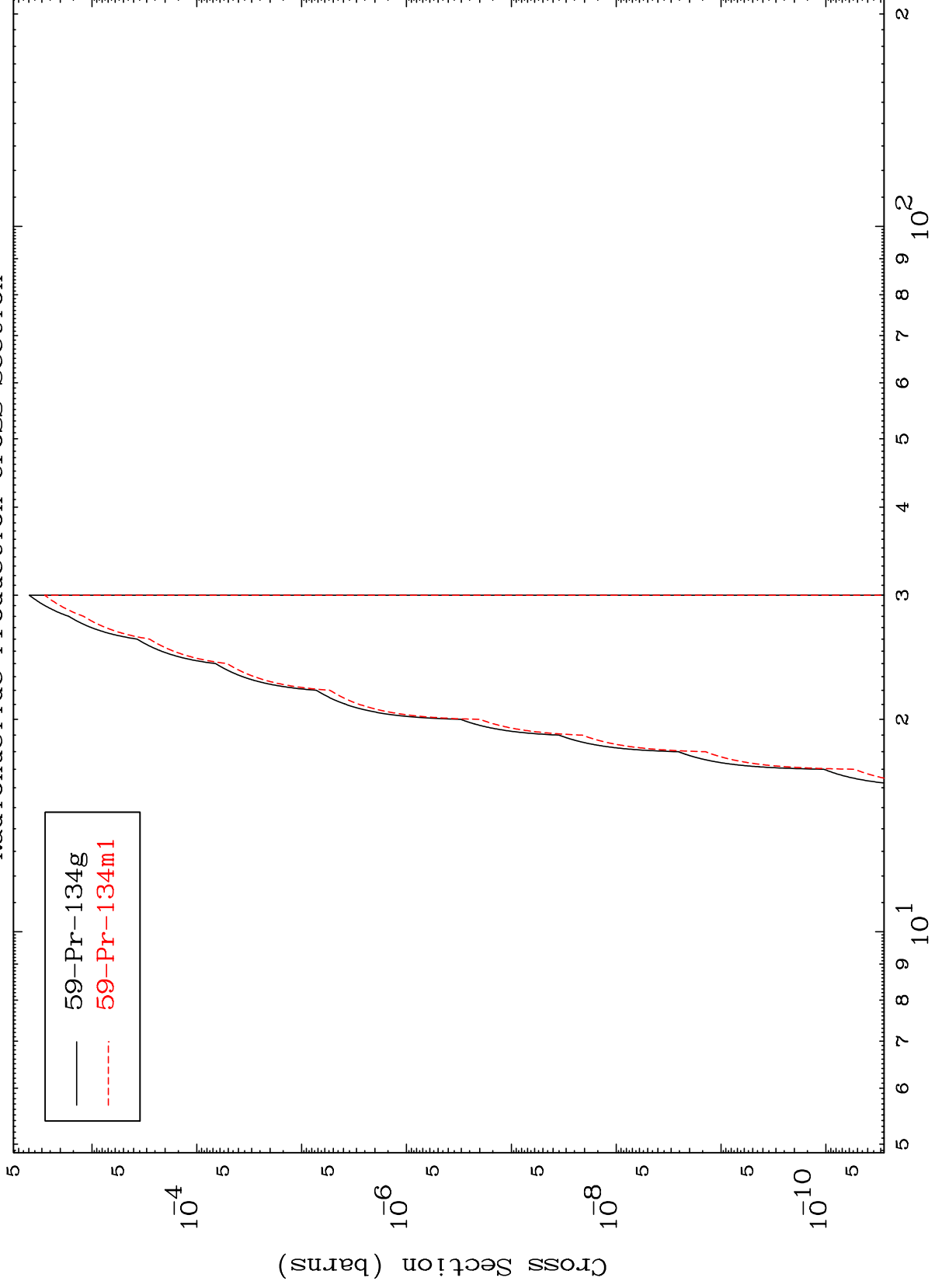
18

MAT 6004

(n,p) α

60-Nd-135

Radionuclide Production Cross Section



59-Pr-134g
59-Pr-134m1

19

Incident Energy (MeV)

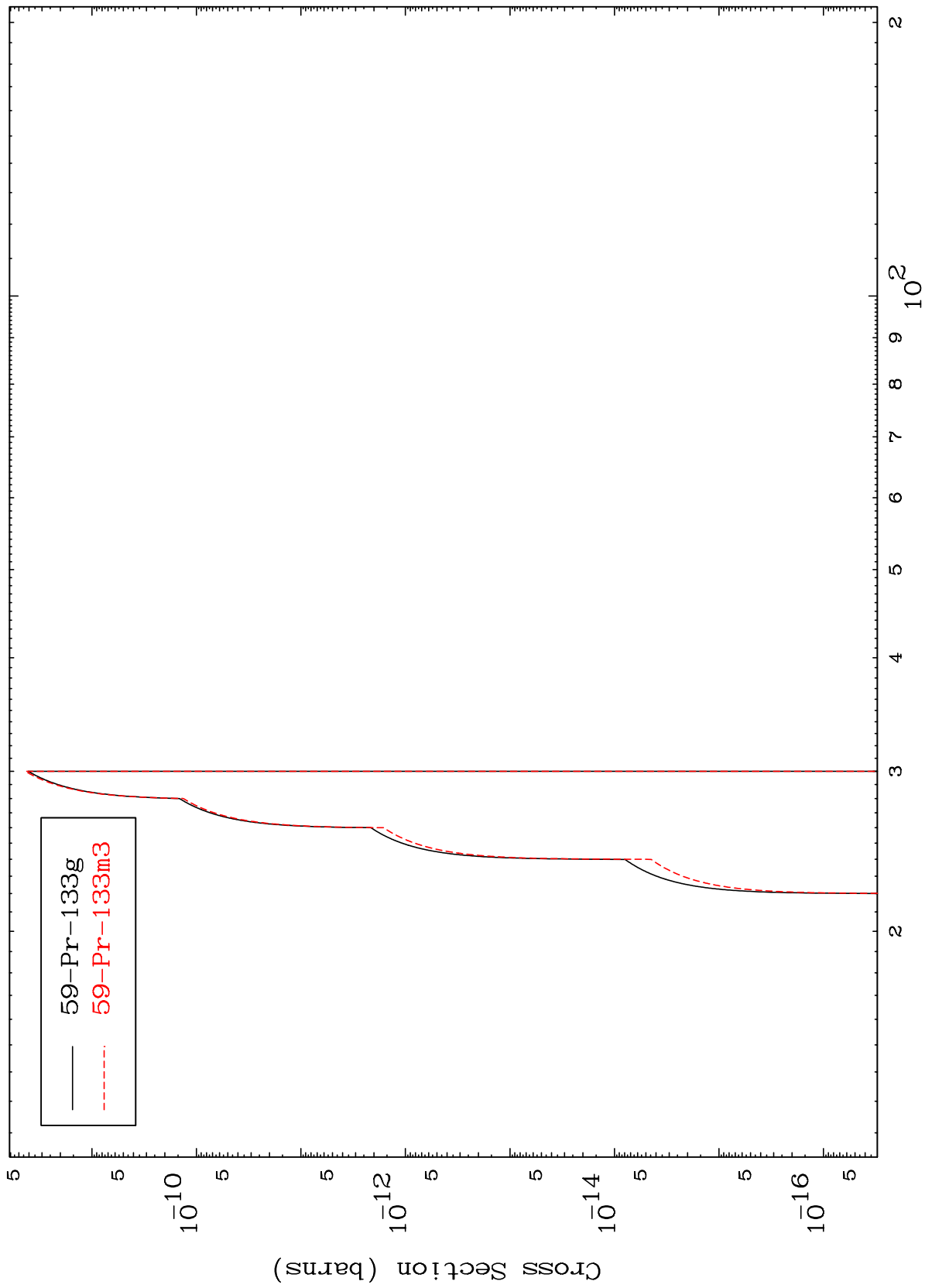
60-Nd-135

MAT 6004

60-Nd-135

(n,d) α

Radionuclide Production Cross Section



Incident Energy (MeV)

60-Nd-135

20