

Program EVALPLOT
(Version 2021-1)

by

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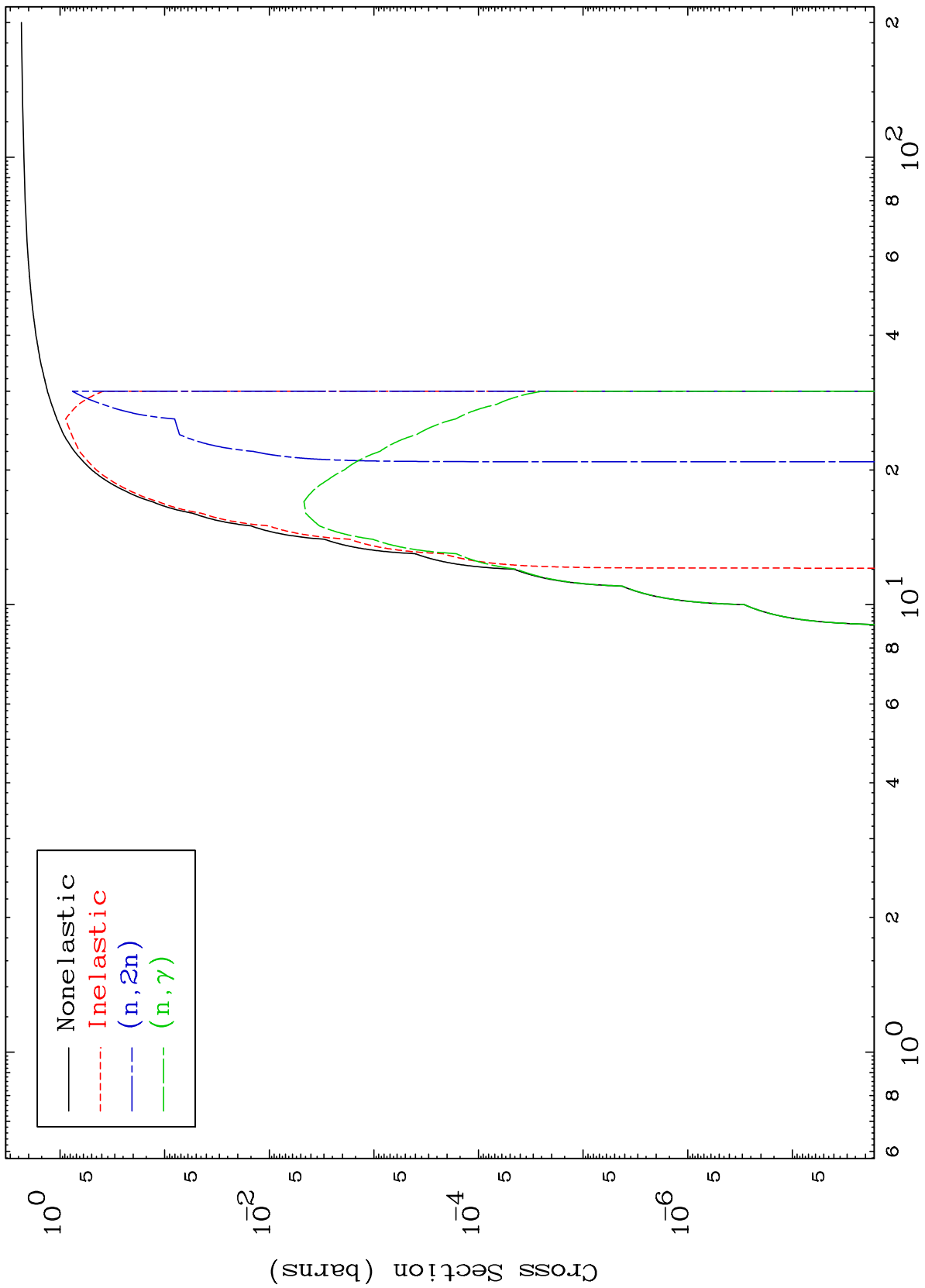
Press Mouse Button to Start

MAT 6013

α Major

60-Nd-138

0 Kelvin Cross Sections



1

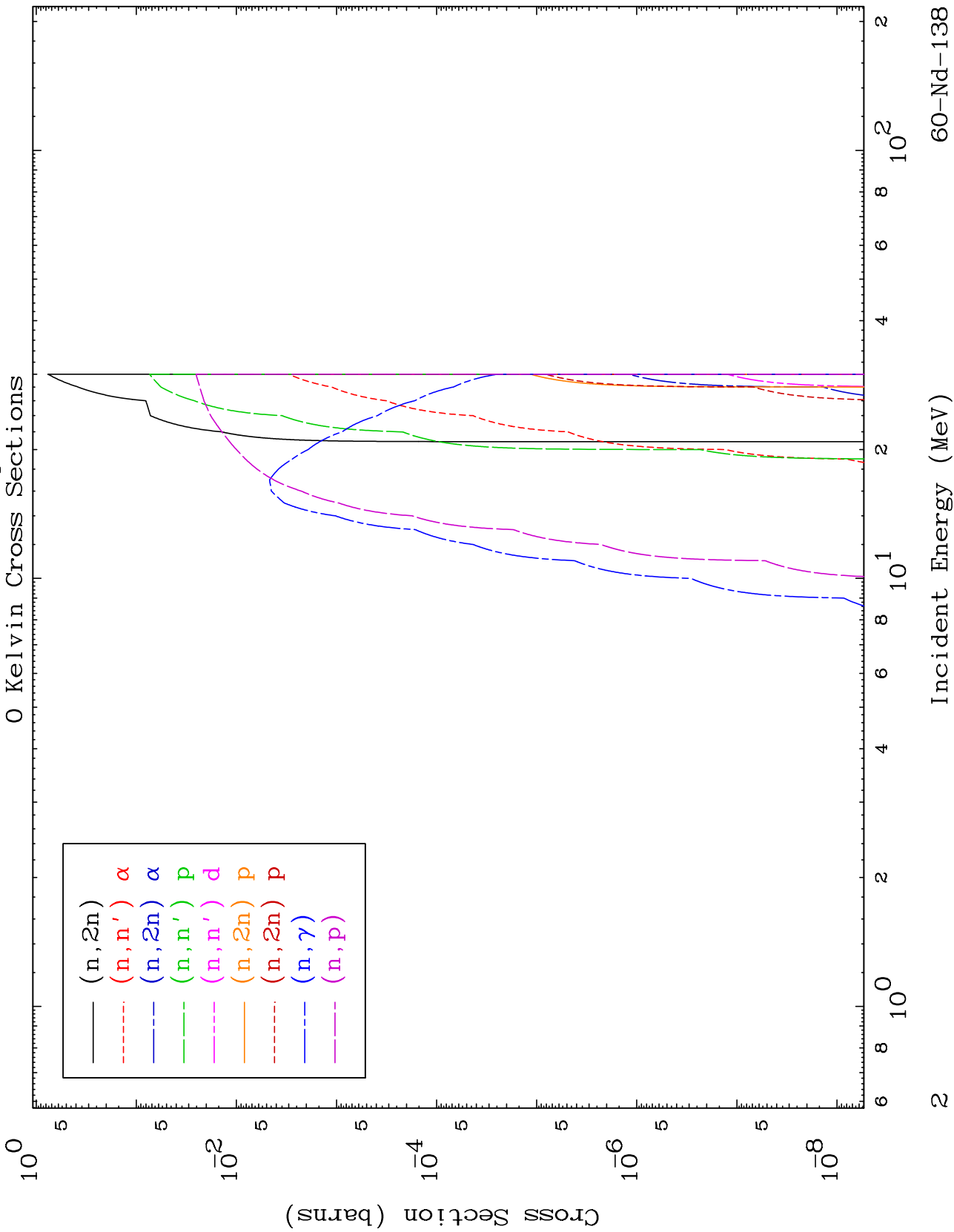
Incident Energy (MeV)

60-Nd-138

MAT 6013

α Neutron Absorption

60-Nd-138

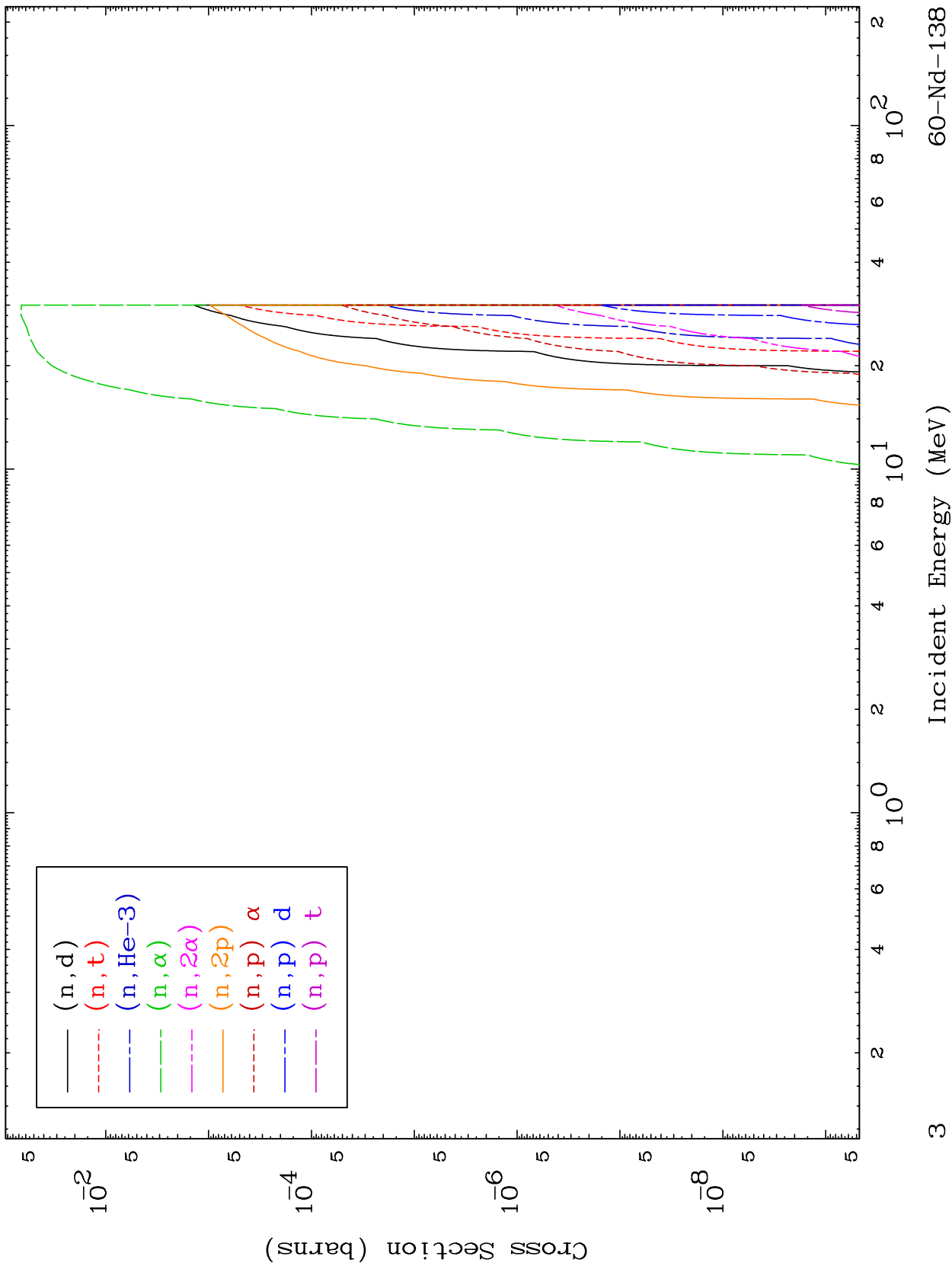


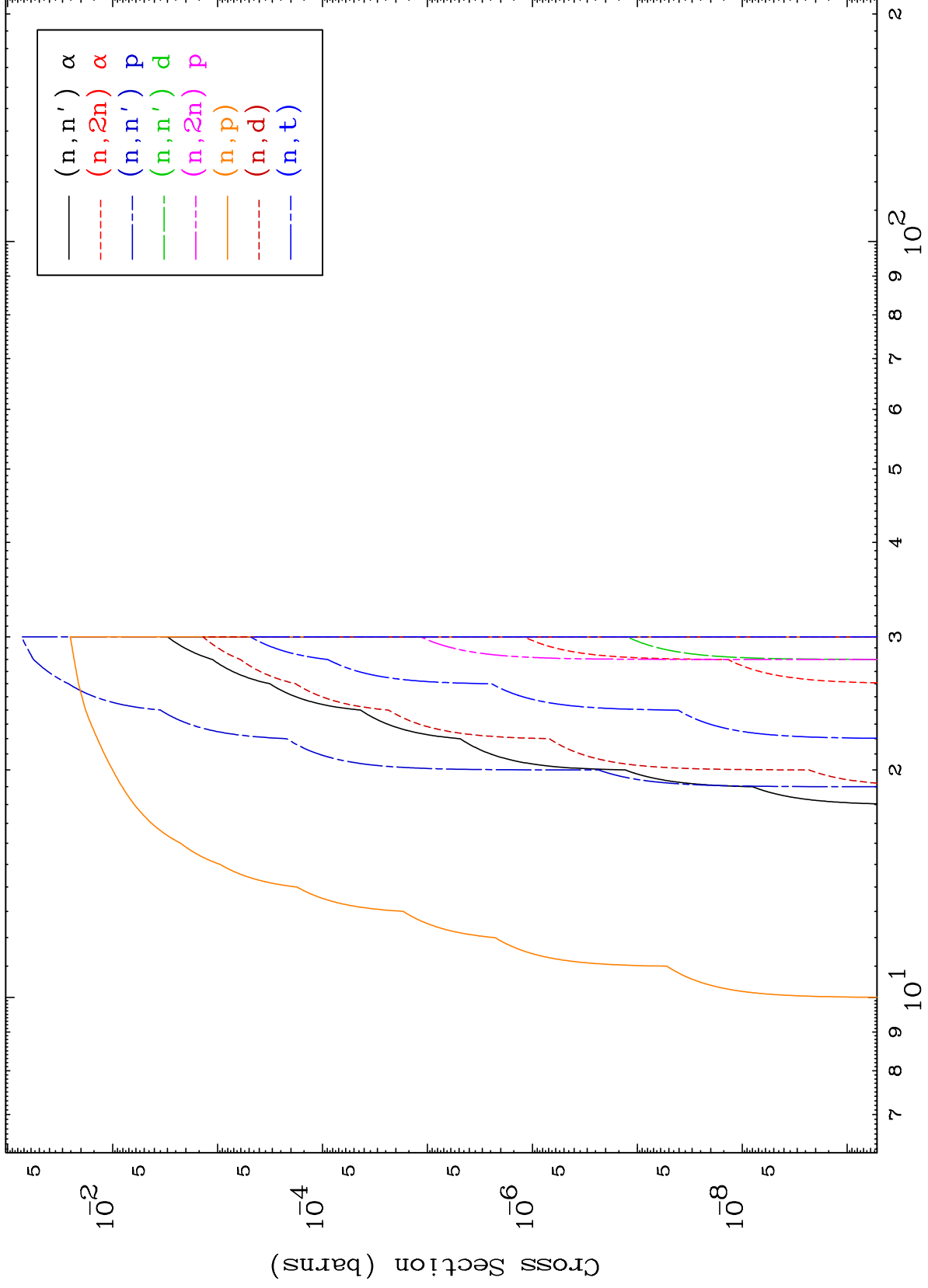
2

MAT 6013

α Neutron Absorption
0 Kelvin Cross Sections

60-Nd-138

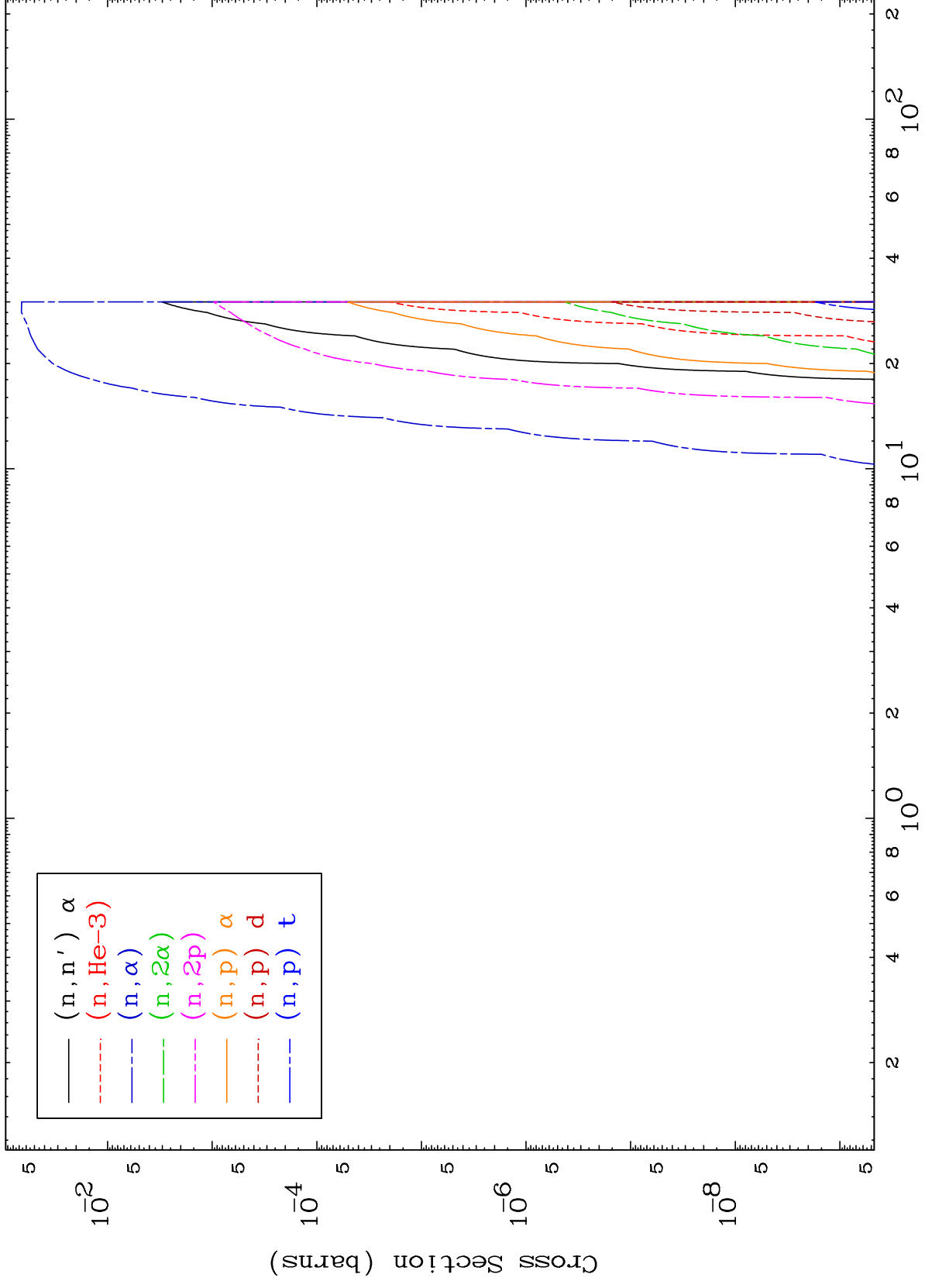




MAT 6013

α Charged Particle
0 Kelvin Cross Sections

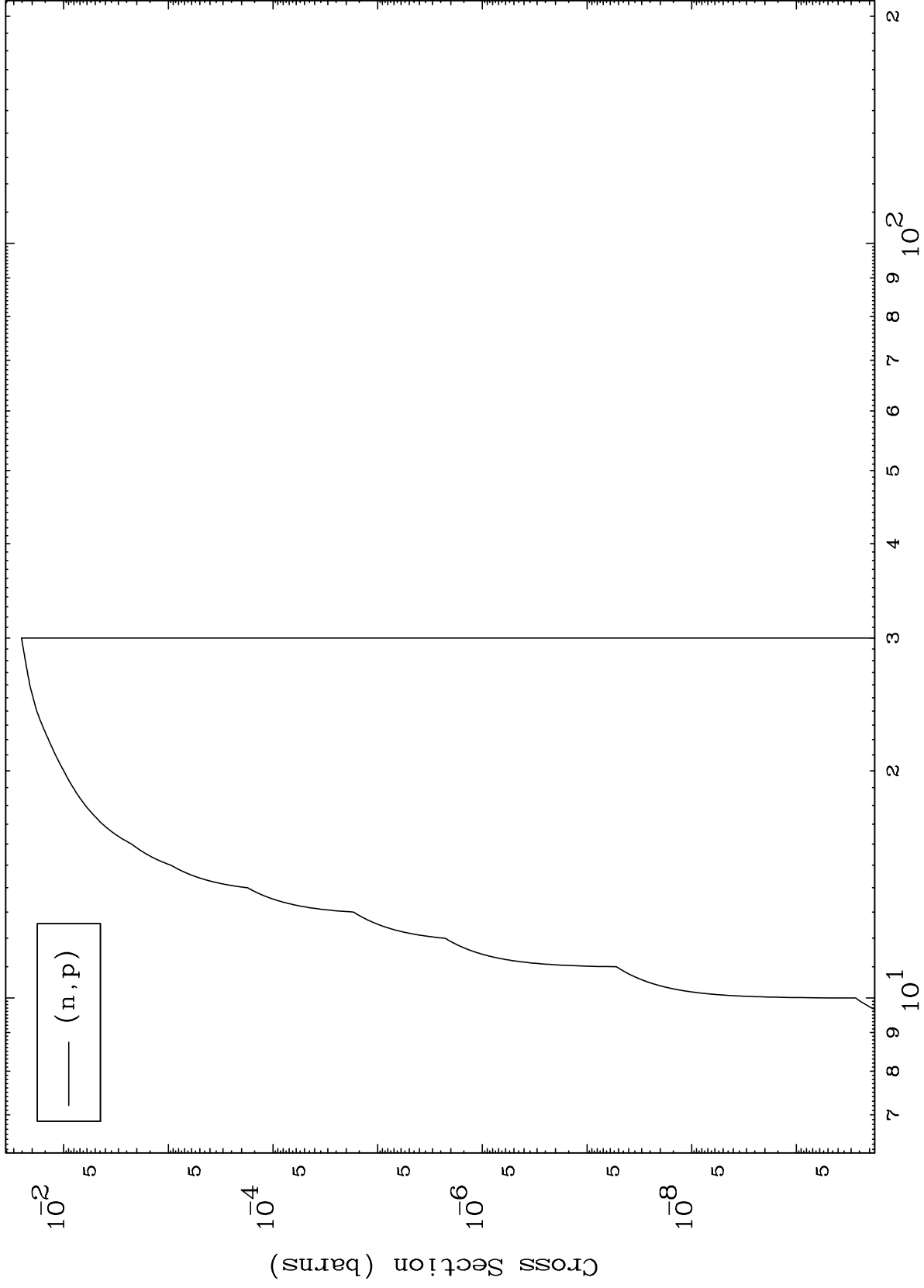
60-Nd-138



MAT 6013

(α, p) Levels
0 Kelvin Cross Sections

60-Nd-138



6

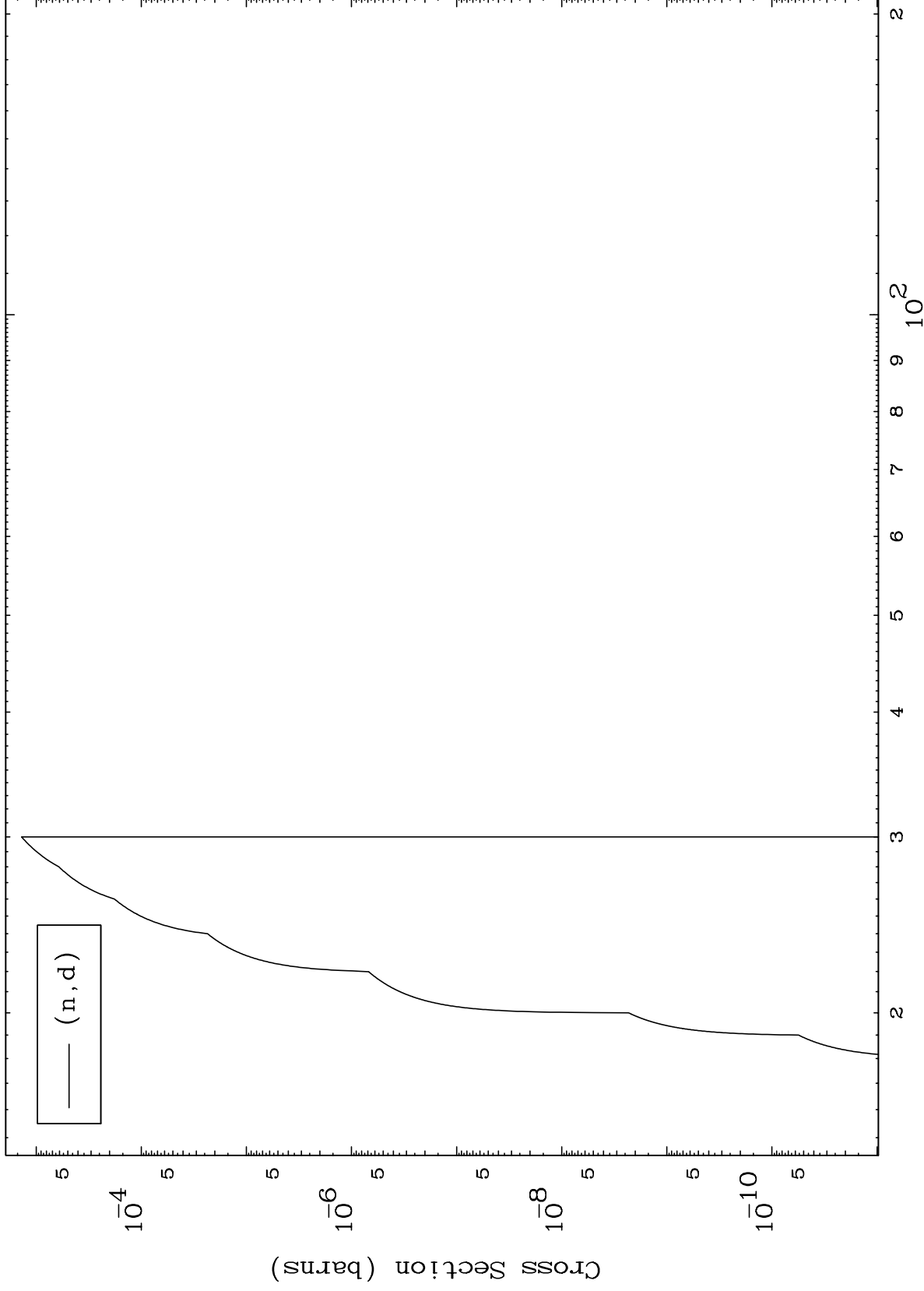
Incident Energy (MeV)

60-Nd-138

MAT 6013

(α, d) Levels
0 Kelvin Cross Sections

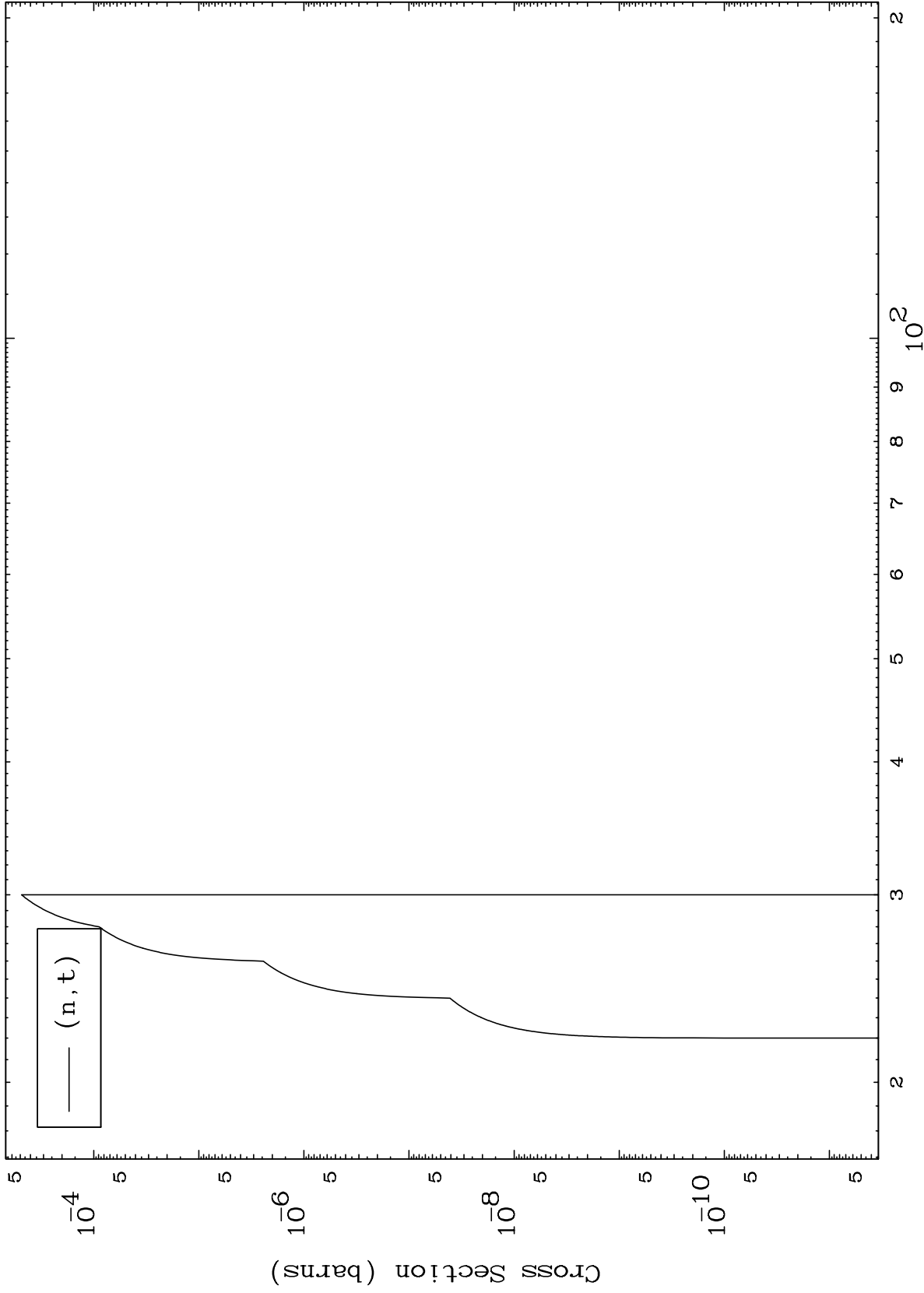
60-Nd-138



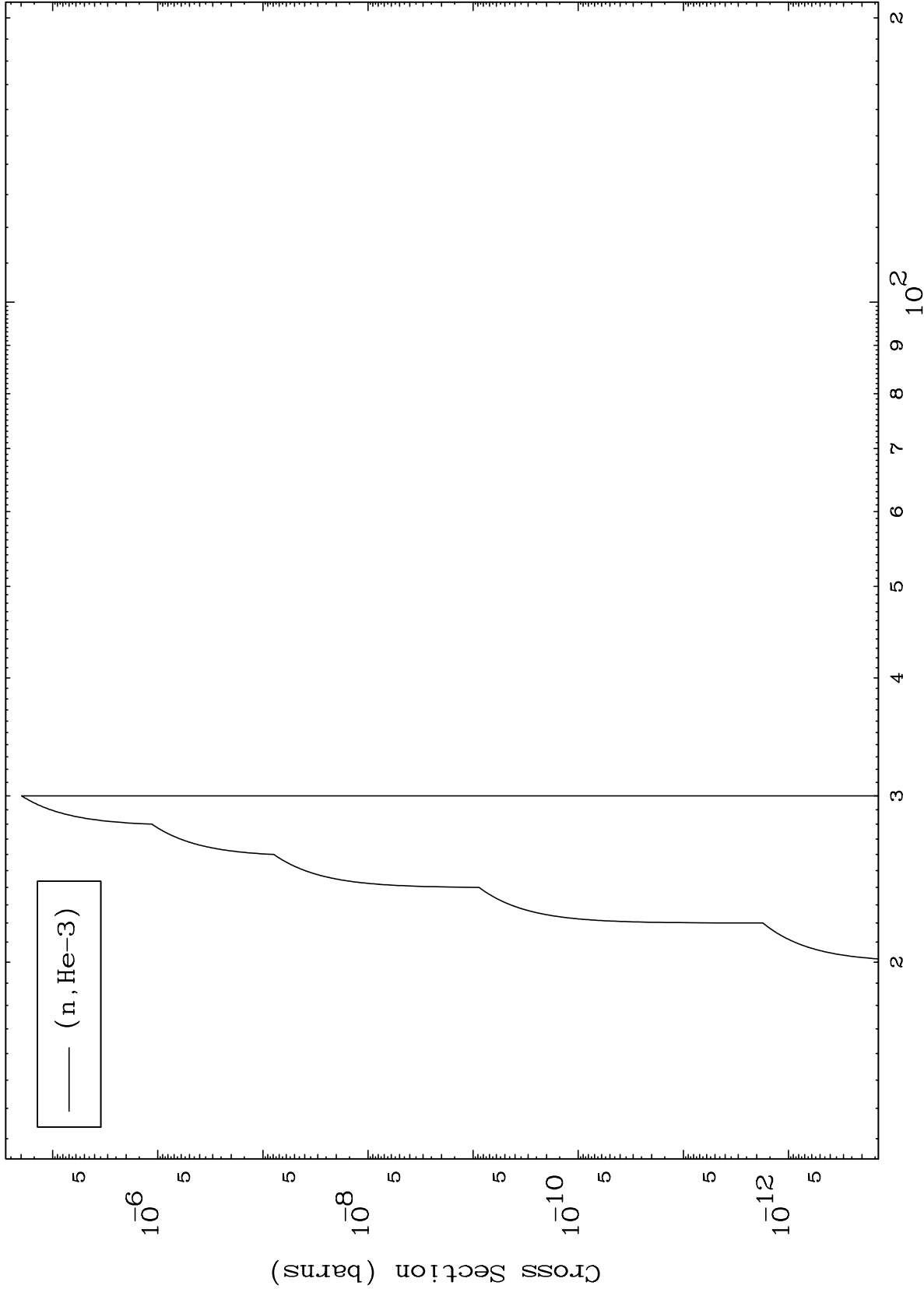
7

Incident Energy (MeV)

60-Nd-138



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

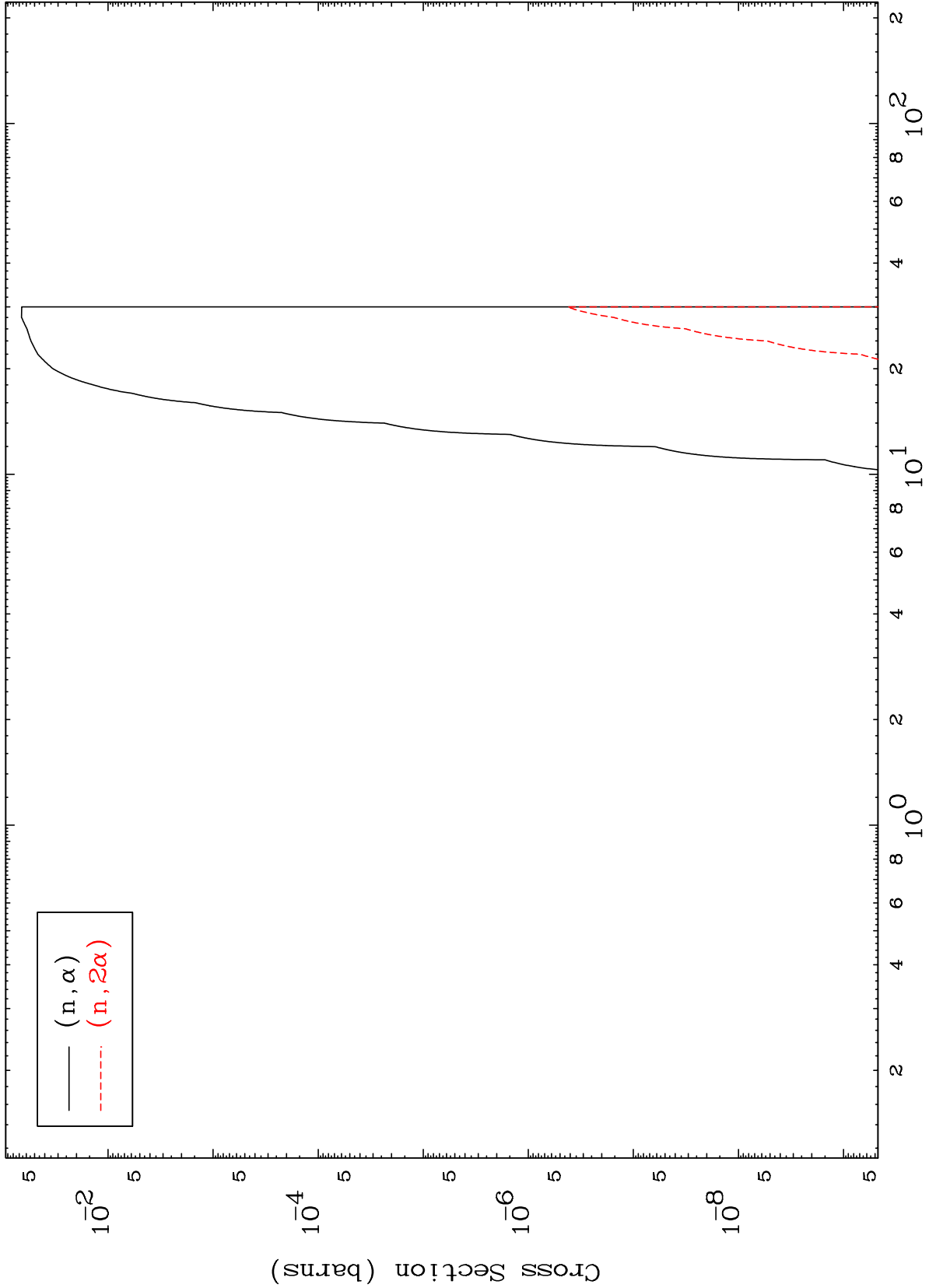


MAT 6013

(α, α) Levels

60-Nd-138

0 Kelvin Cross Sections



— (n, α)
- - - ($n, 2\alpha$)

10

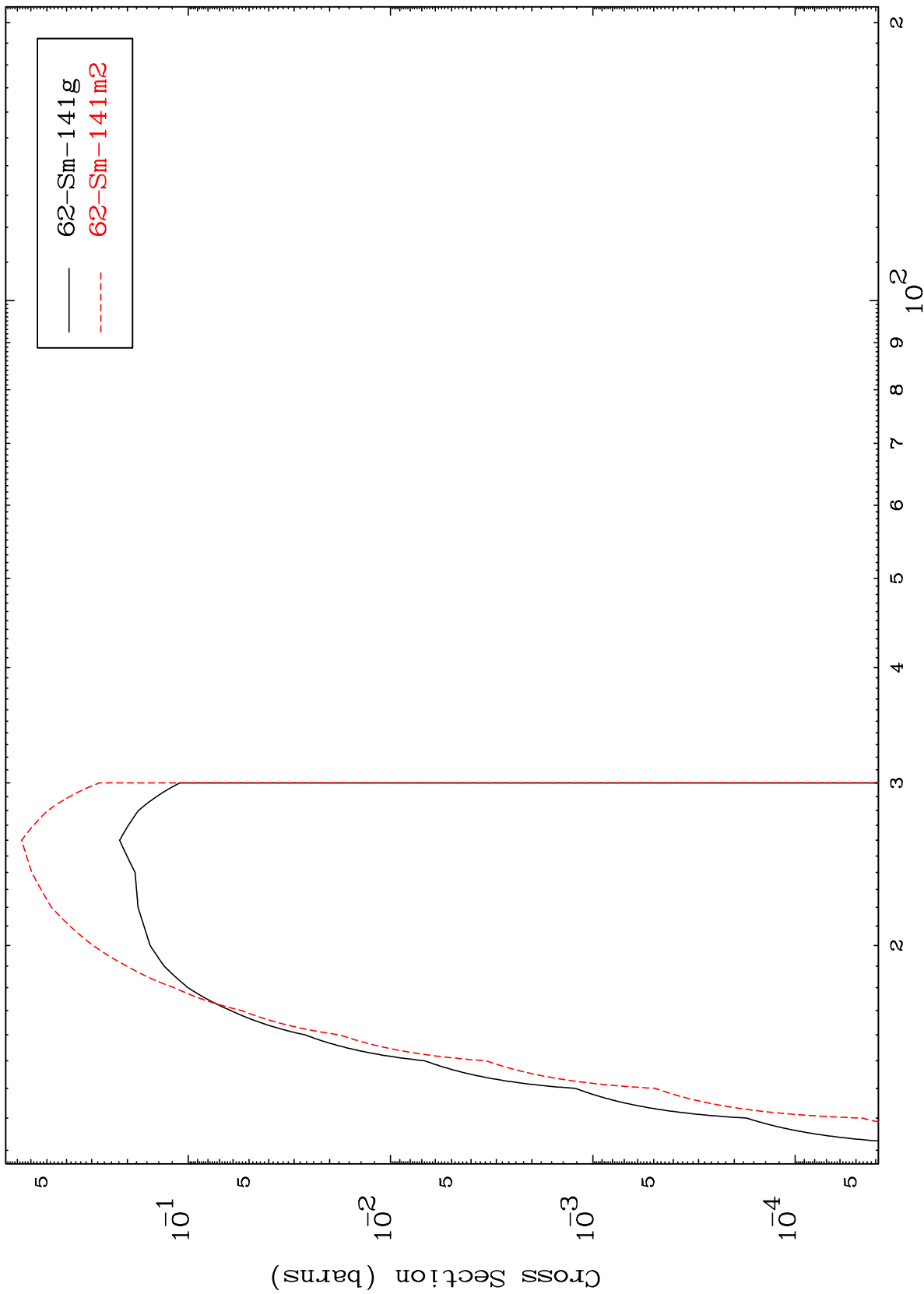
Incident Energy (MeV)

60-Nd-138

MAT 6013

60-Nd-138

Inelastic
Radionuclide Production Cross Section



11

Incident Energy (MeV)

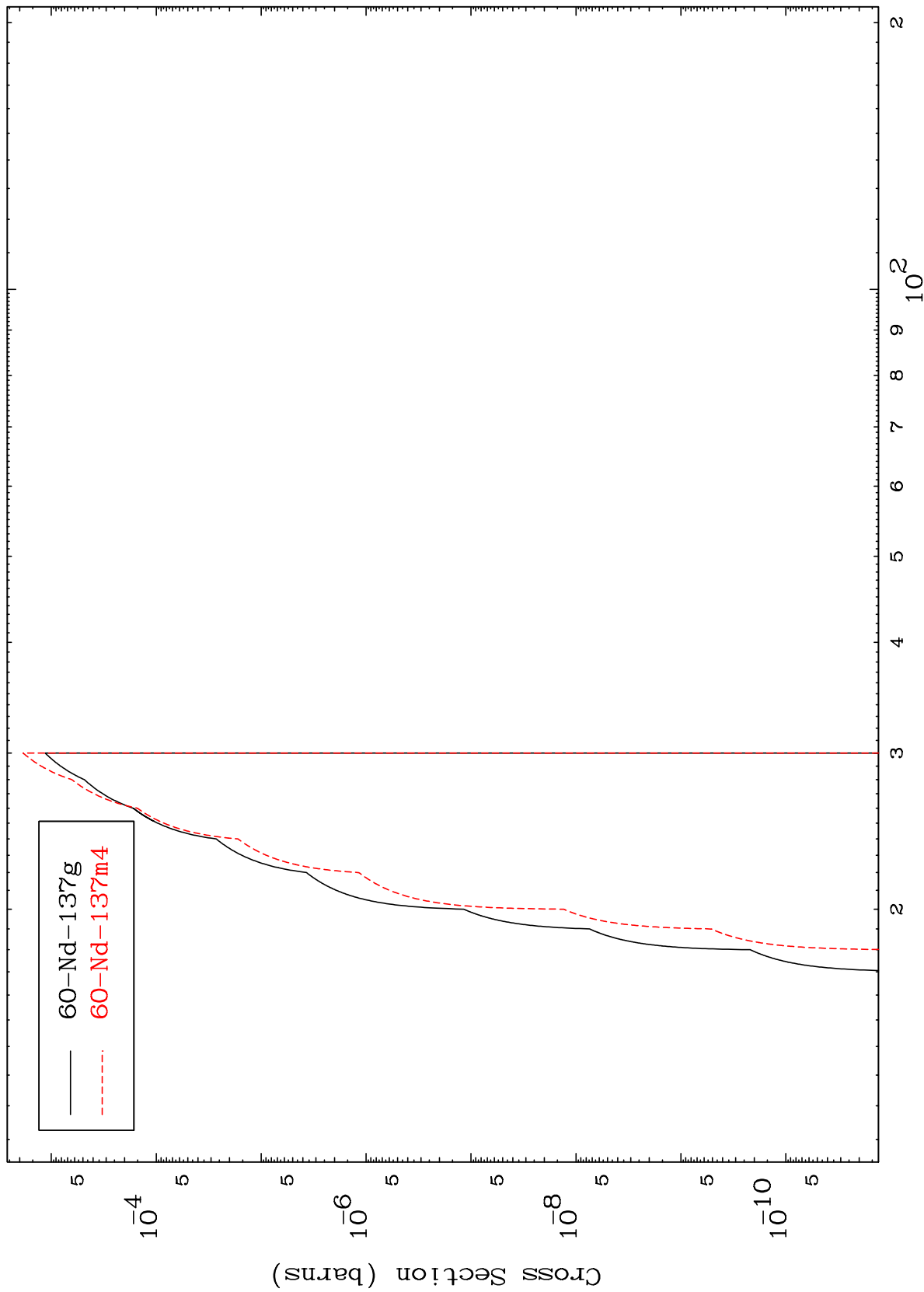
60-Nd-138

MAT 6013

$(n, n') \alpha$

60-Nd-138

Radionuclide Production Cross Section



12

Incident Energy (MeV)

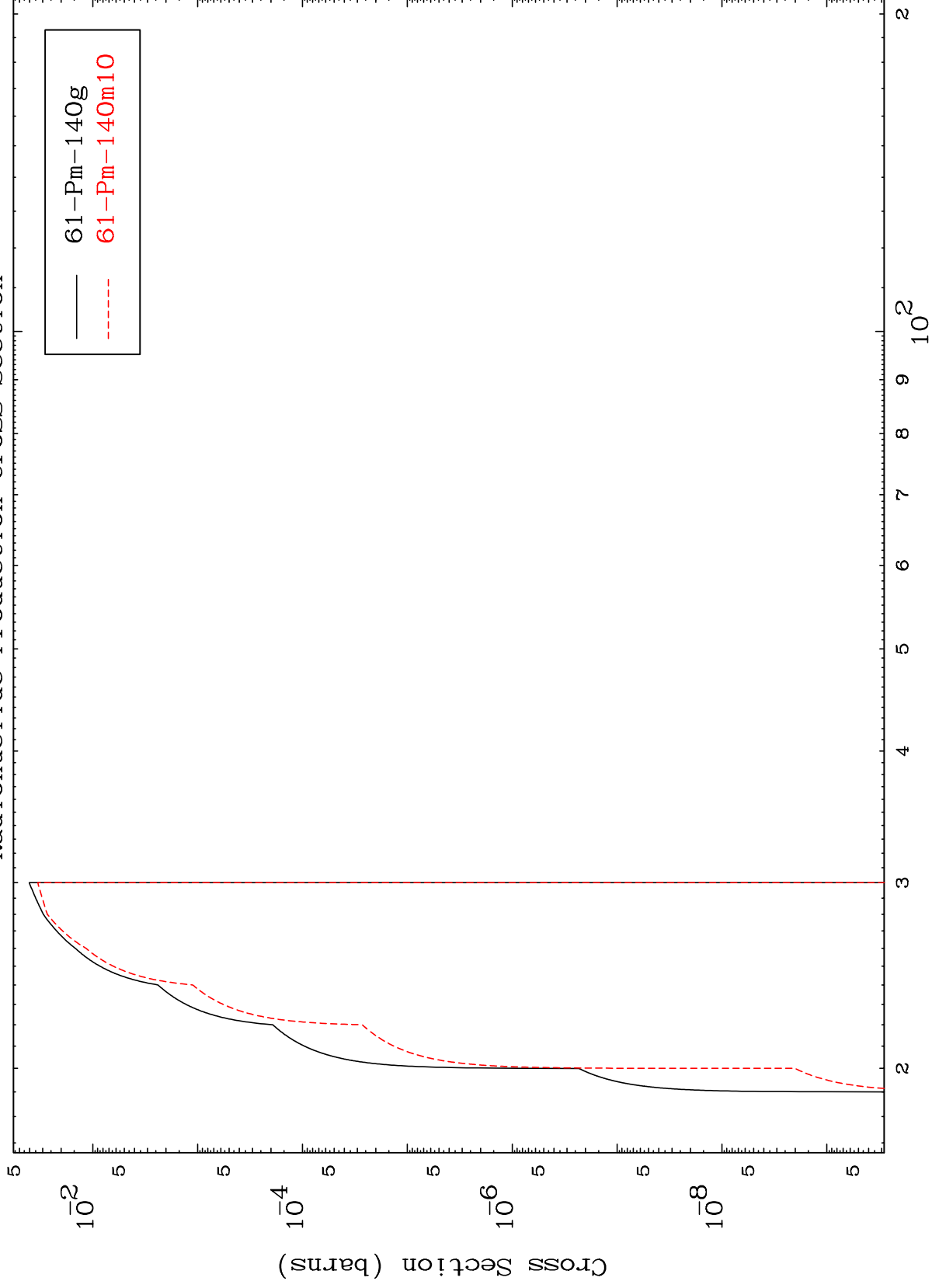
60-Nd-138

MAT 6013

(n, n') p

60-Nd-138

Radionuclide Production Cross Section



13

Incident Energy (MeV)

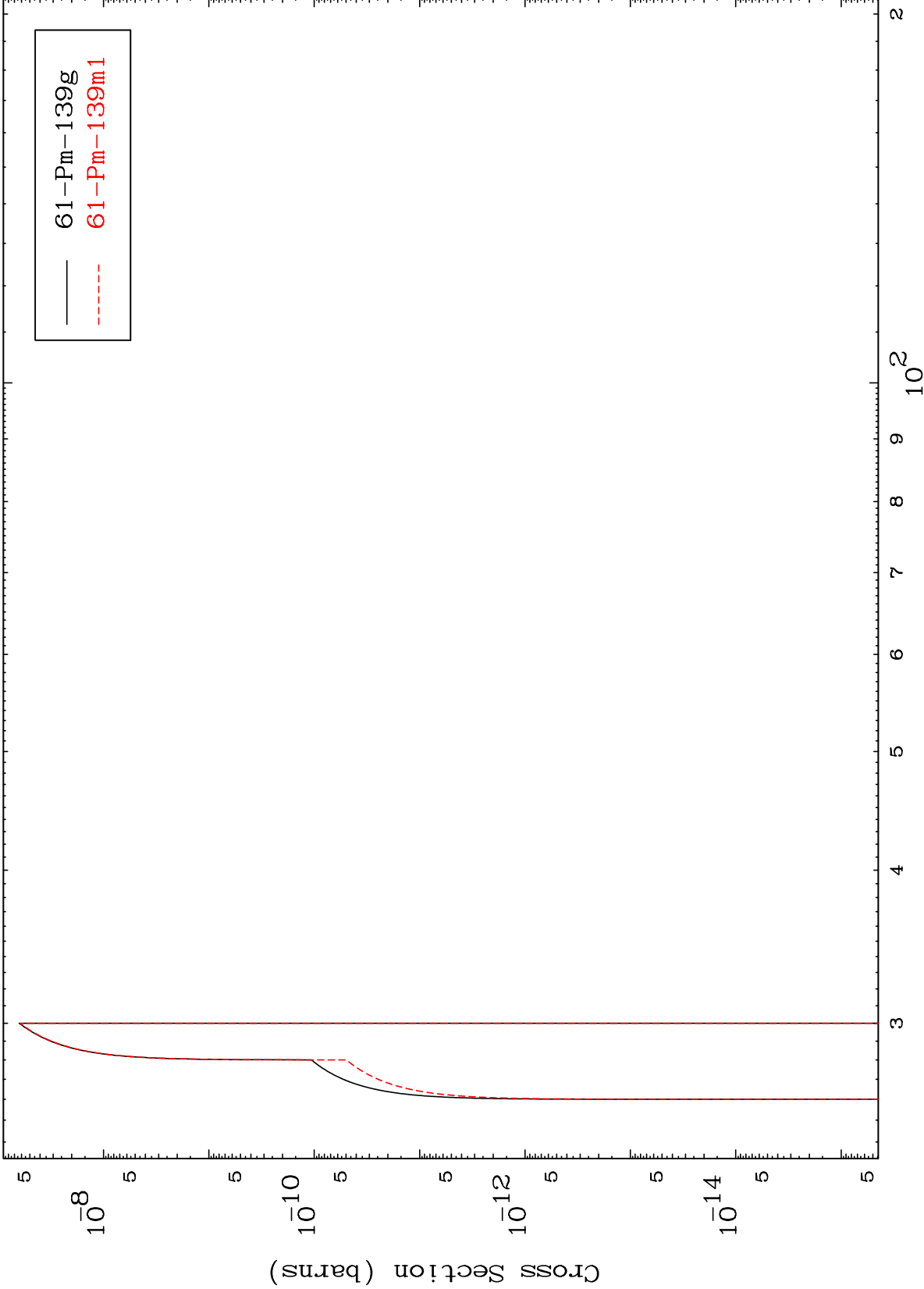
60-Nd-138

MAT 6013

(n,n') d

60-Nd-138

Radionuclide Production Cross Section



14

Incident Energy (MeV)

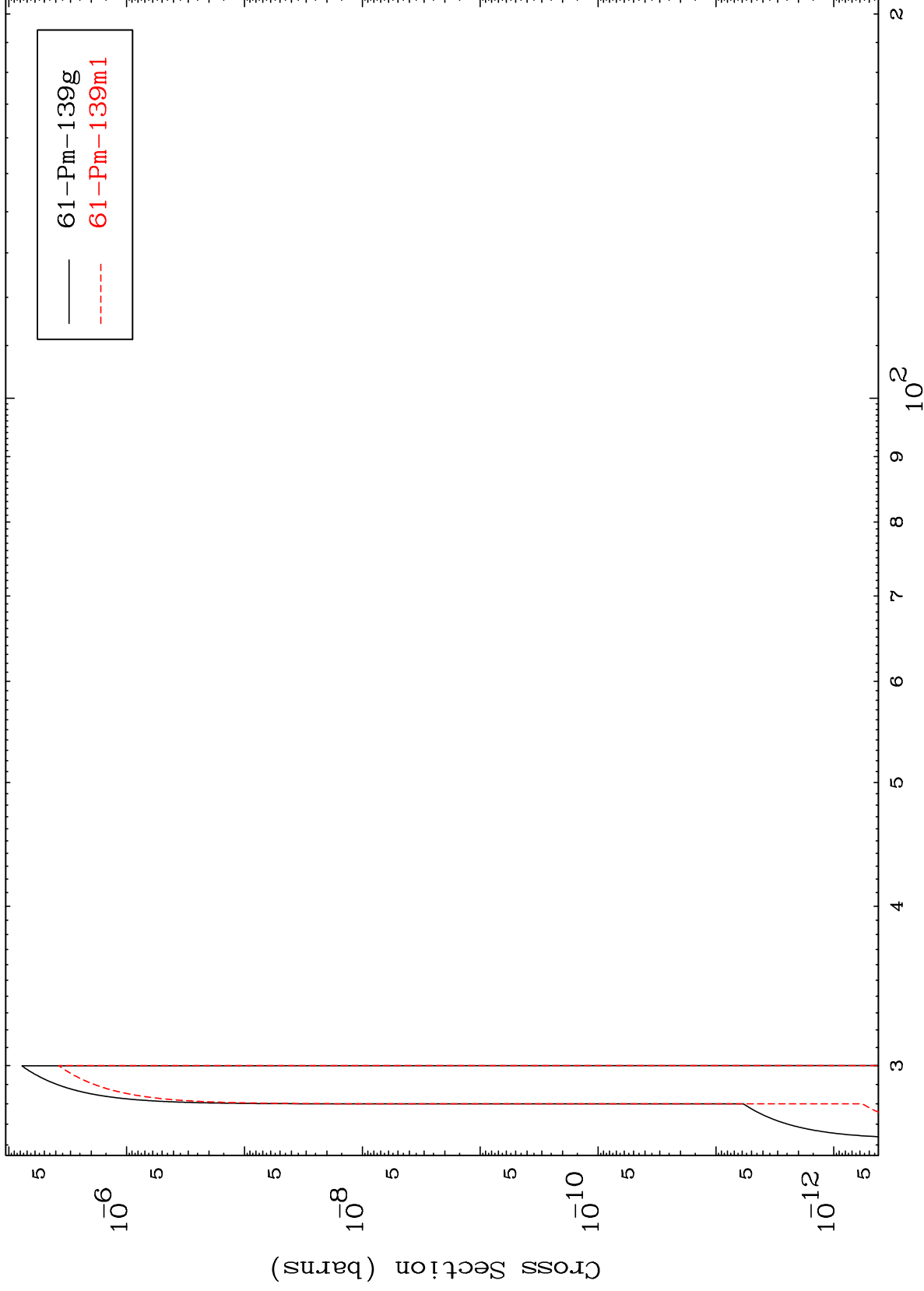
60-Nd-138

MAT 6013

(n,2n) p

60-Nd-138

Radionuclide Production Cross Section



15

Incident Energy (MeV)

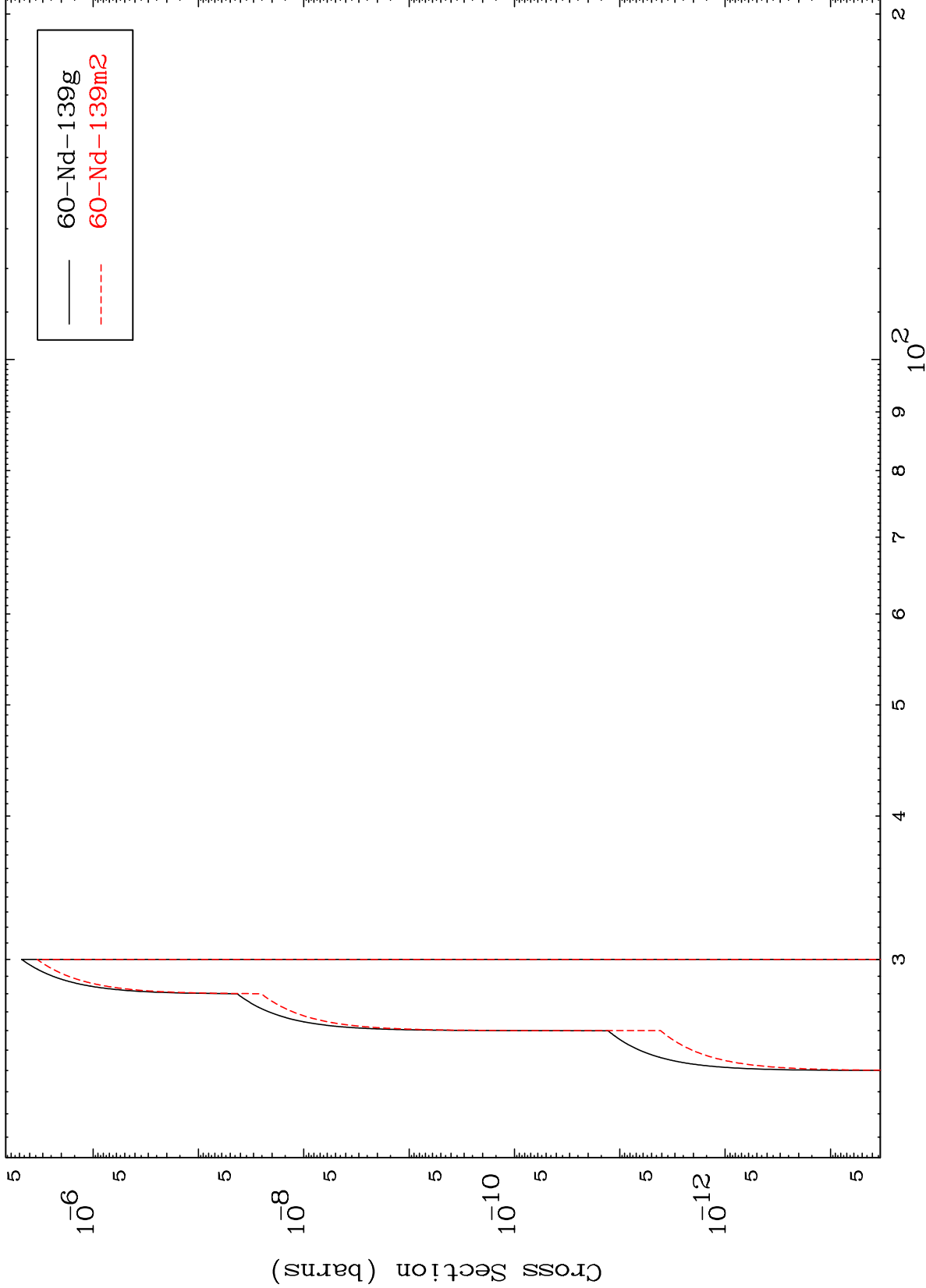
60-Nd-138

MAT 6013

(n,2n) p

60-Nd-138

Radionuclide Production Cross Section



16

Incident Energy (MeV)

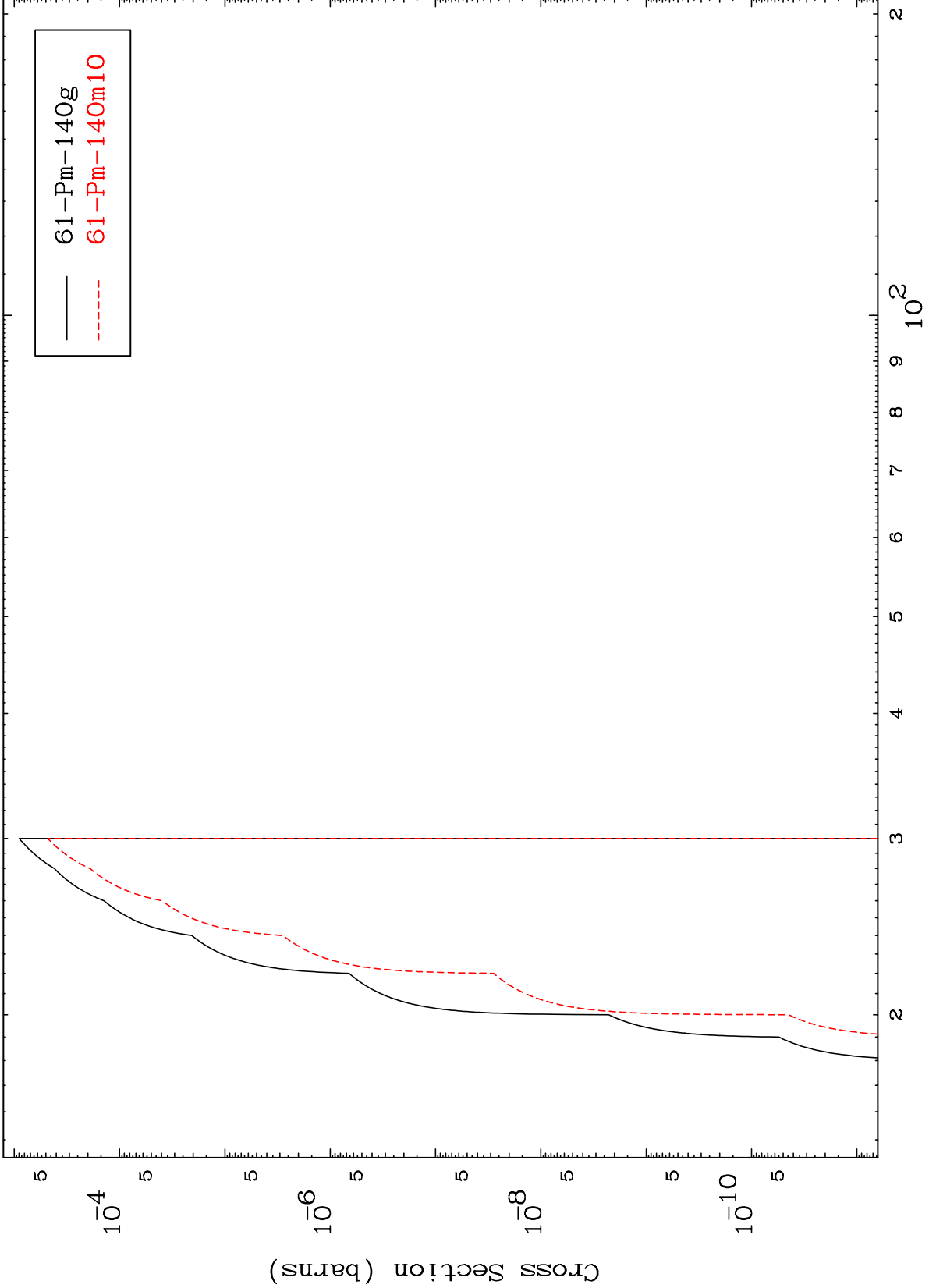
60-Nd-138

MAT 6013

(n,d)

60-Nd-138

Radionuclide Production Cross Section



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

17

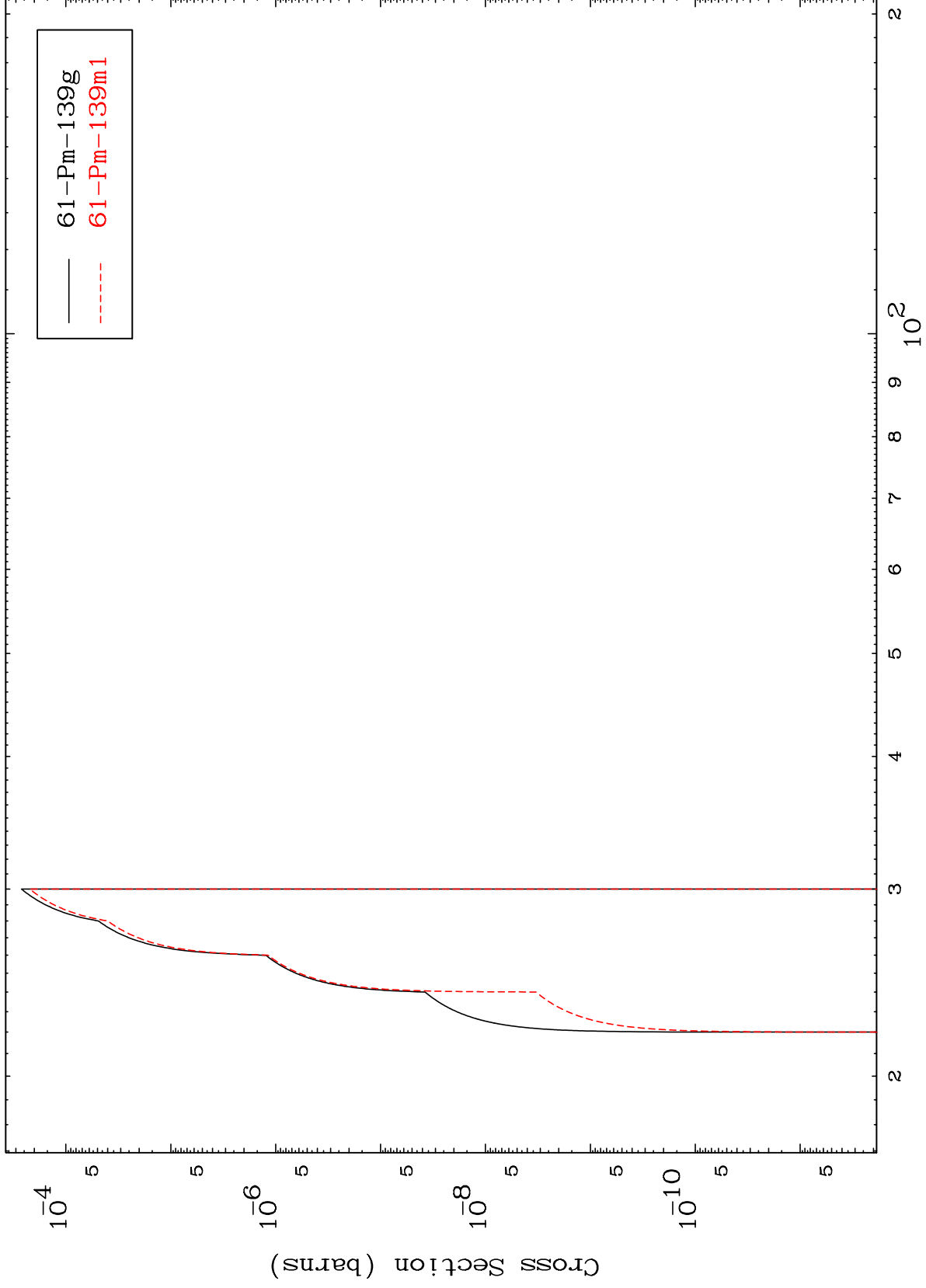
Incident Energy (MeV)

60-Nd-138

MAT 6013

60-Nd-138

(n, t)
Radionuclide Production Cross Section



18

Incident Energy (MeV)

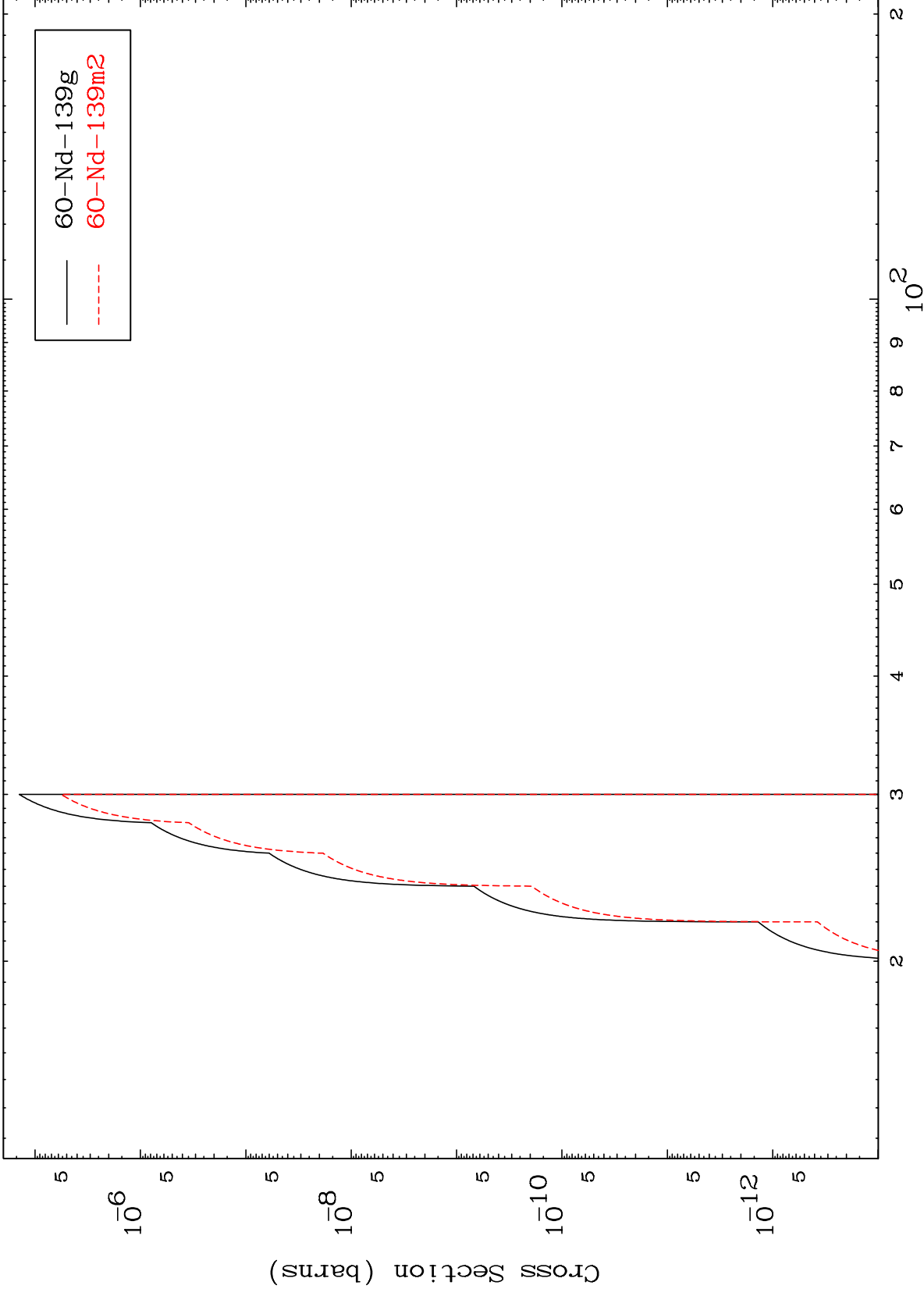
60-Nd-138

MAT 6013

(n,He-3)

60-Nd-138

Radionuclide Production Cross Section



19

Incident Energy (MeV)

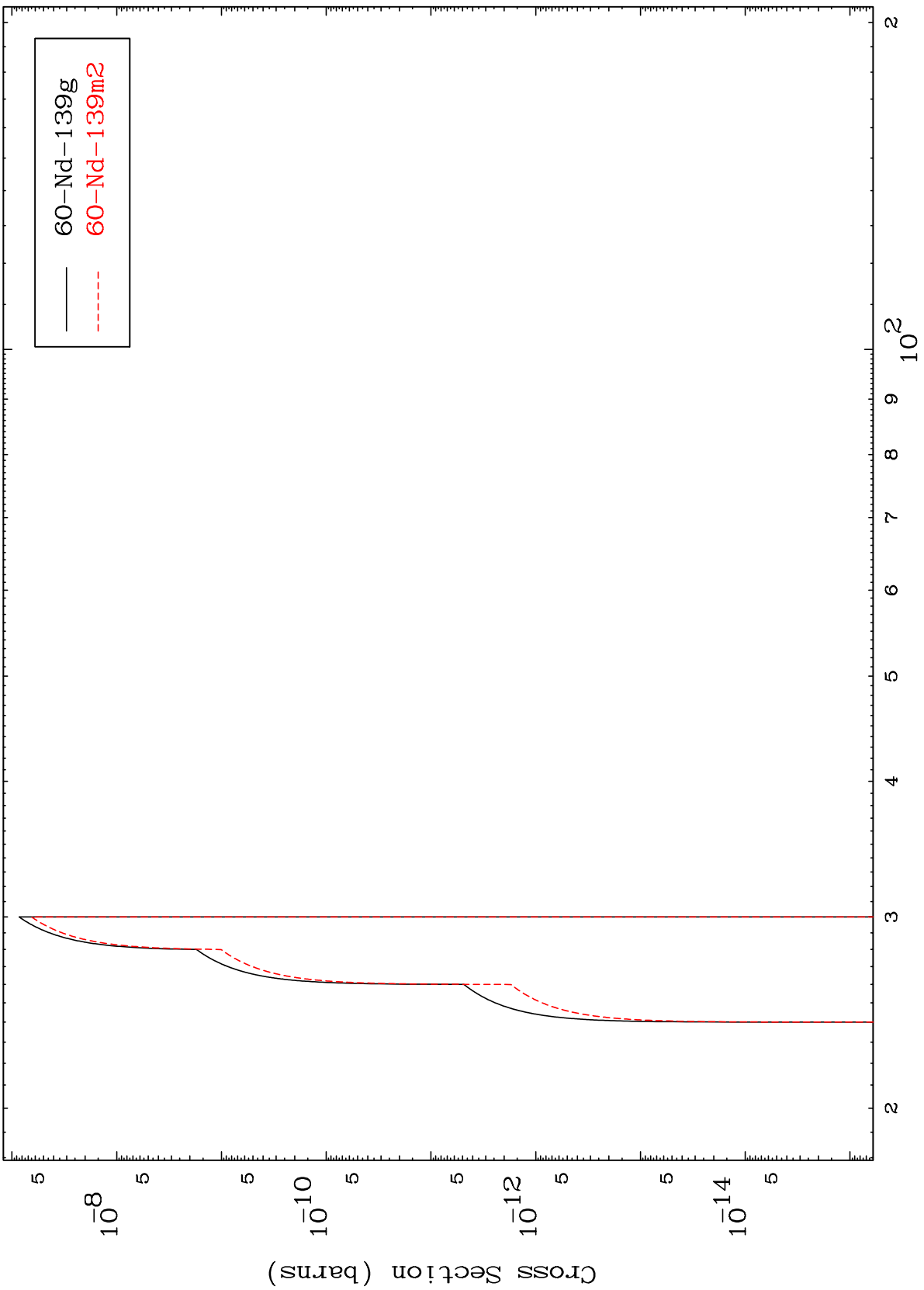
60-Nd-138

MAT 6013

(n,p) d

60-Nd-138

Radionuclide Production Cross Section



20

Incident Energy (MeV)

60-Nd-138