

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail: redcullen1@comcast.net

Web: redcullen1.net/HOMEPAGE.NEW

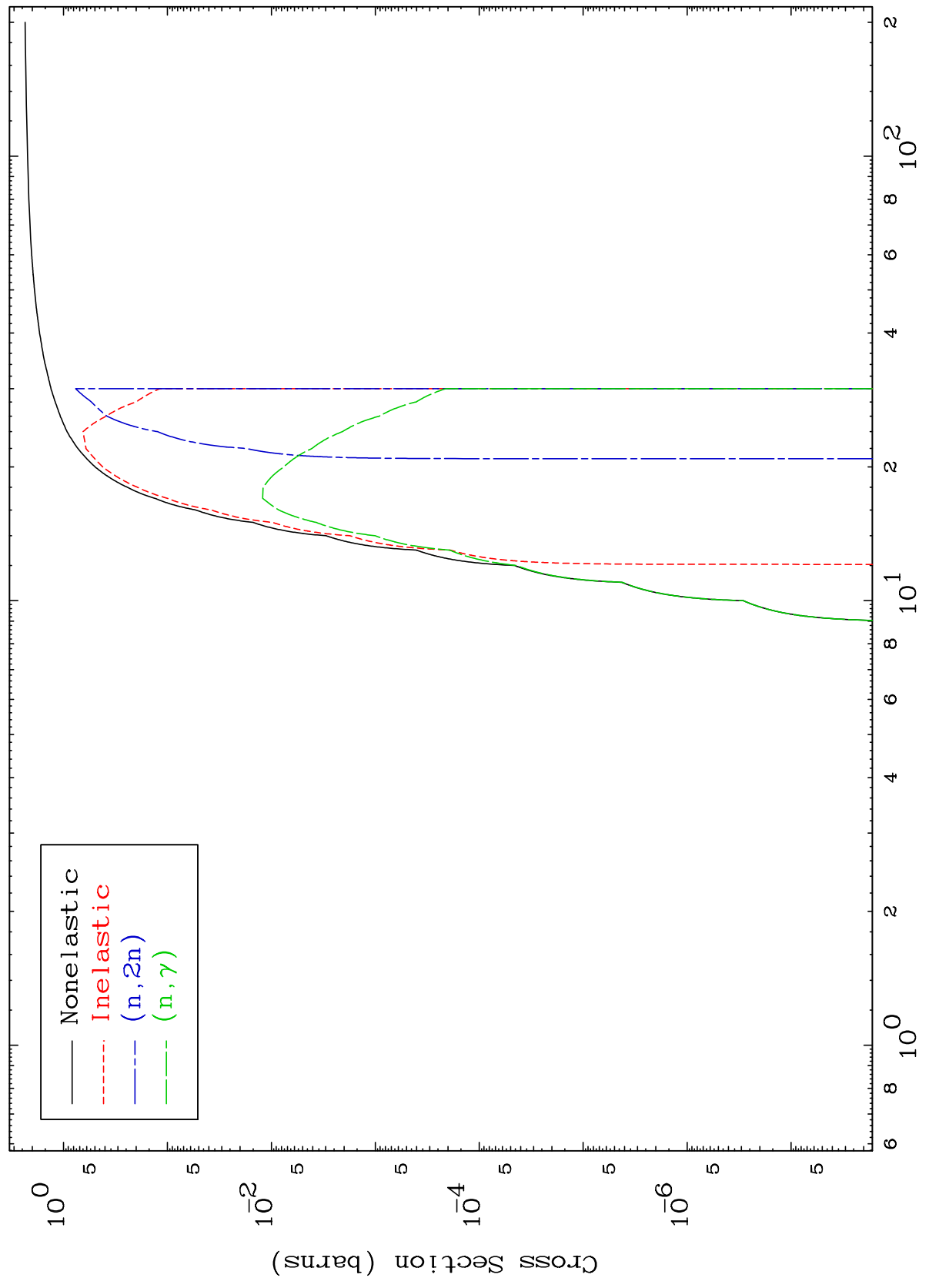
Press Mouse Button to Start

MAT 6013

0 Kelvin

α Major

60-Nd-138



1

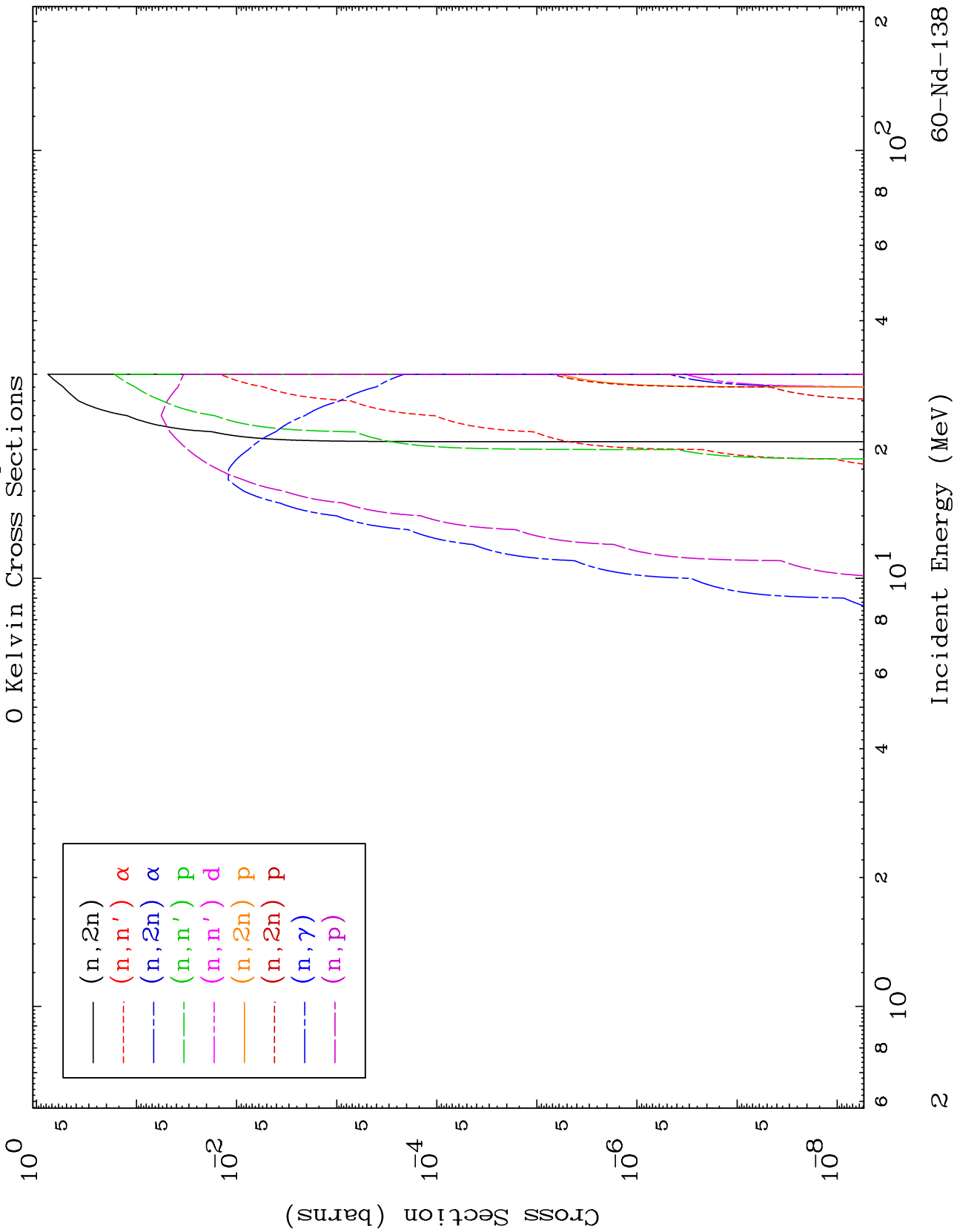
Incident Energy (MeV)

60-Nd-138

MAT 6013

α Neutron Absorption

60-Nd-138

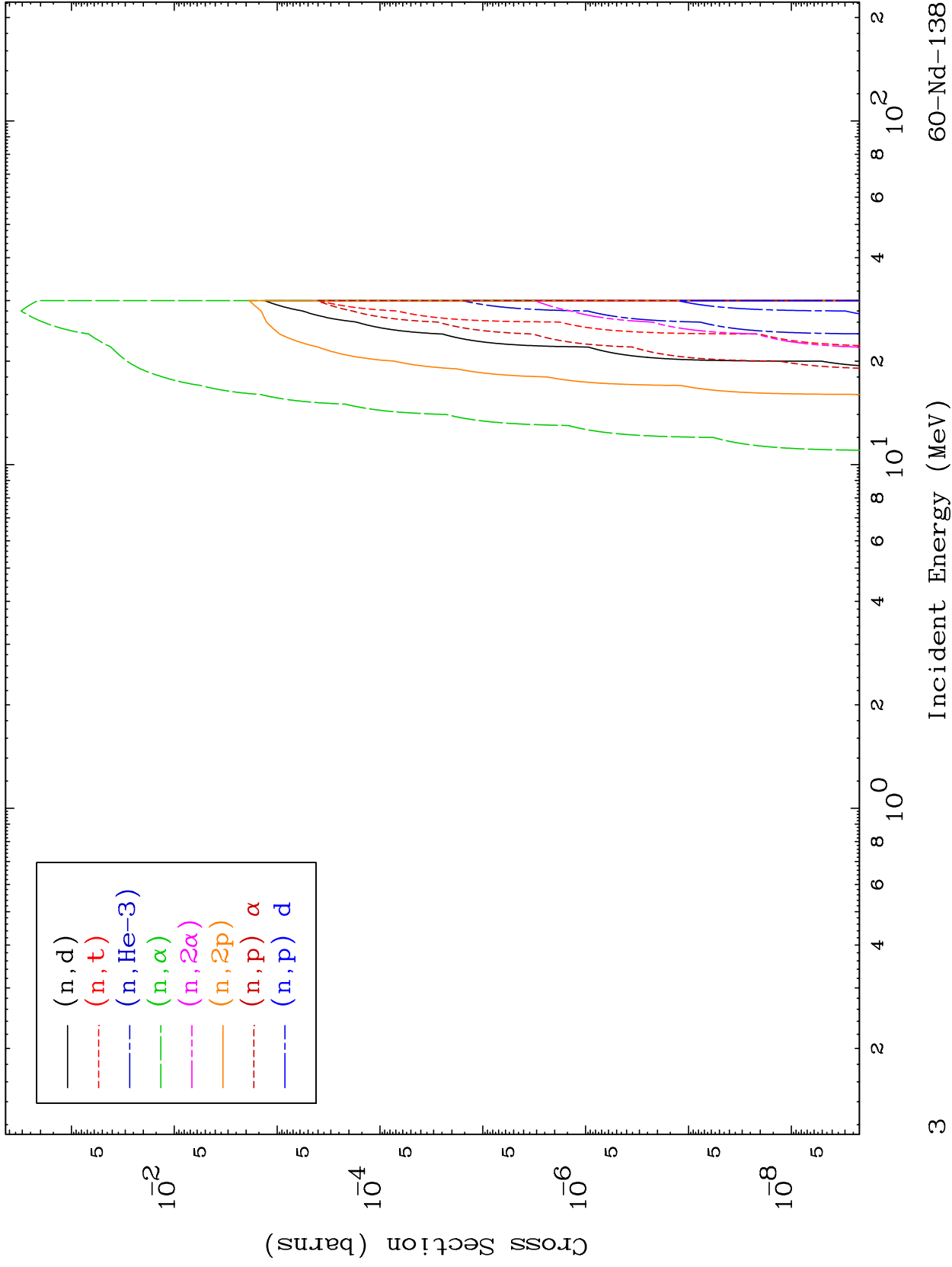


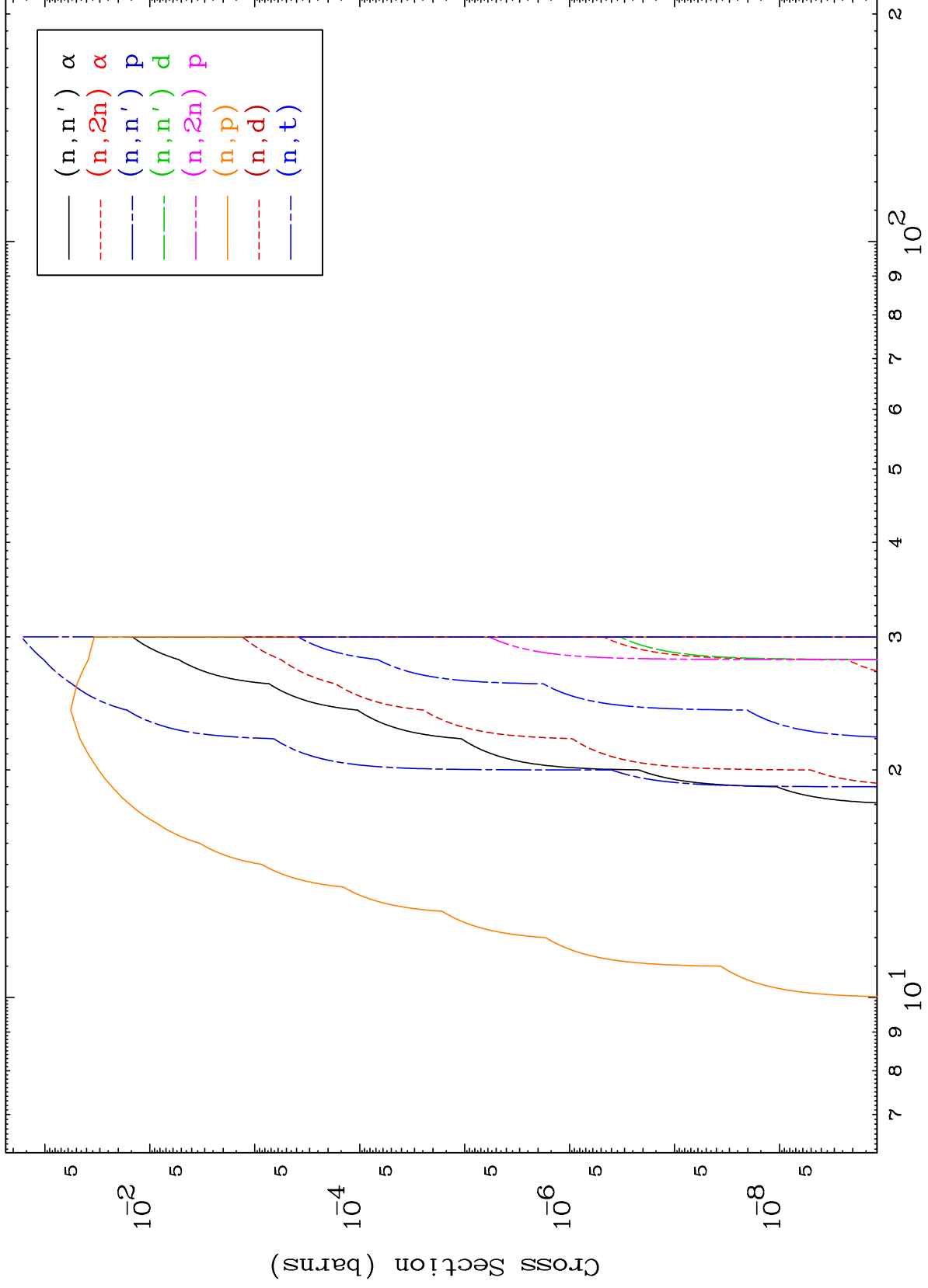
2

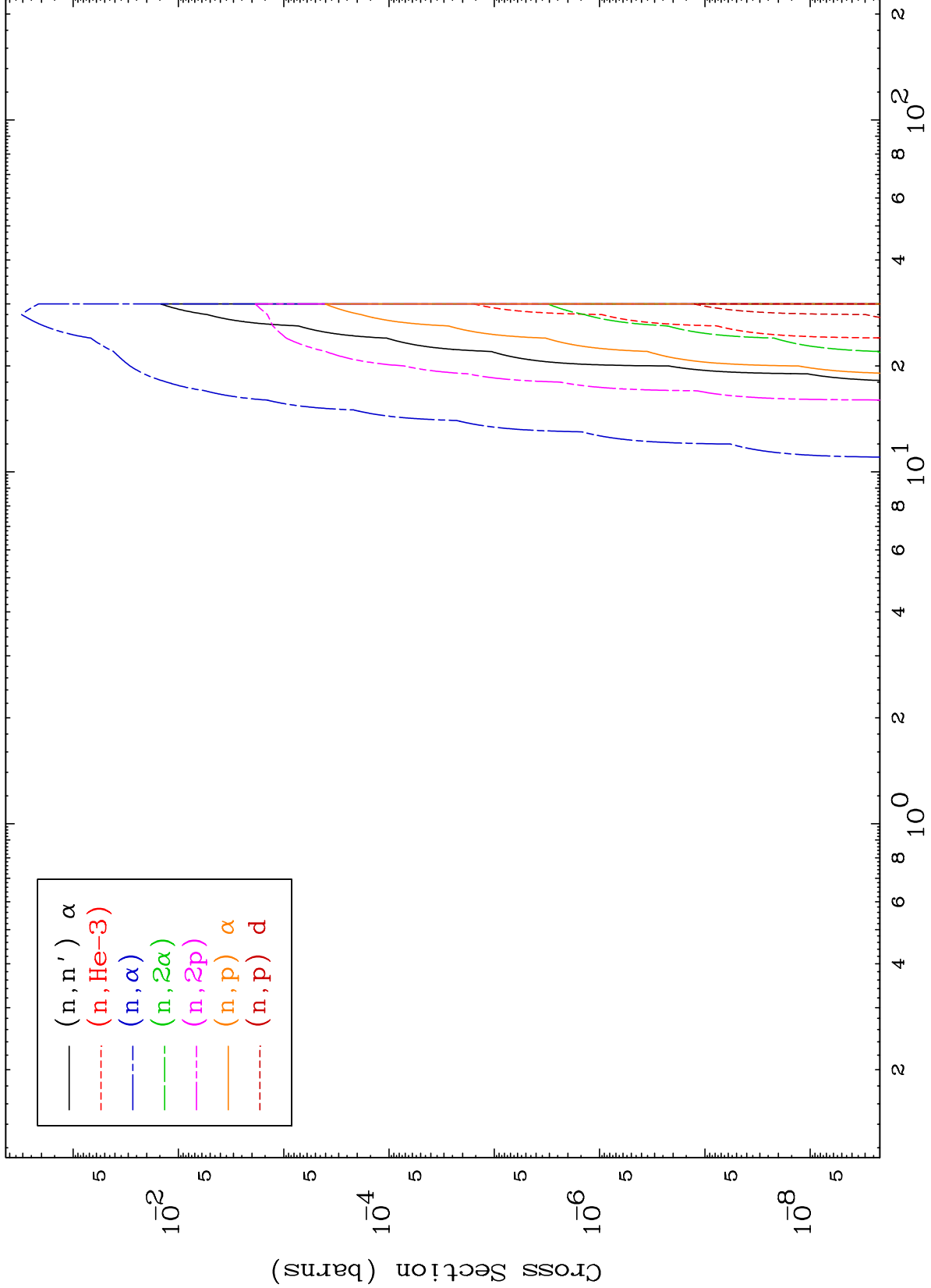
MAT 6013

α Neutron Absorption
0 Kelvin Cross Sections

60-Nd-138



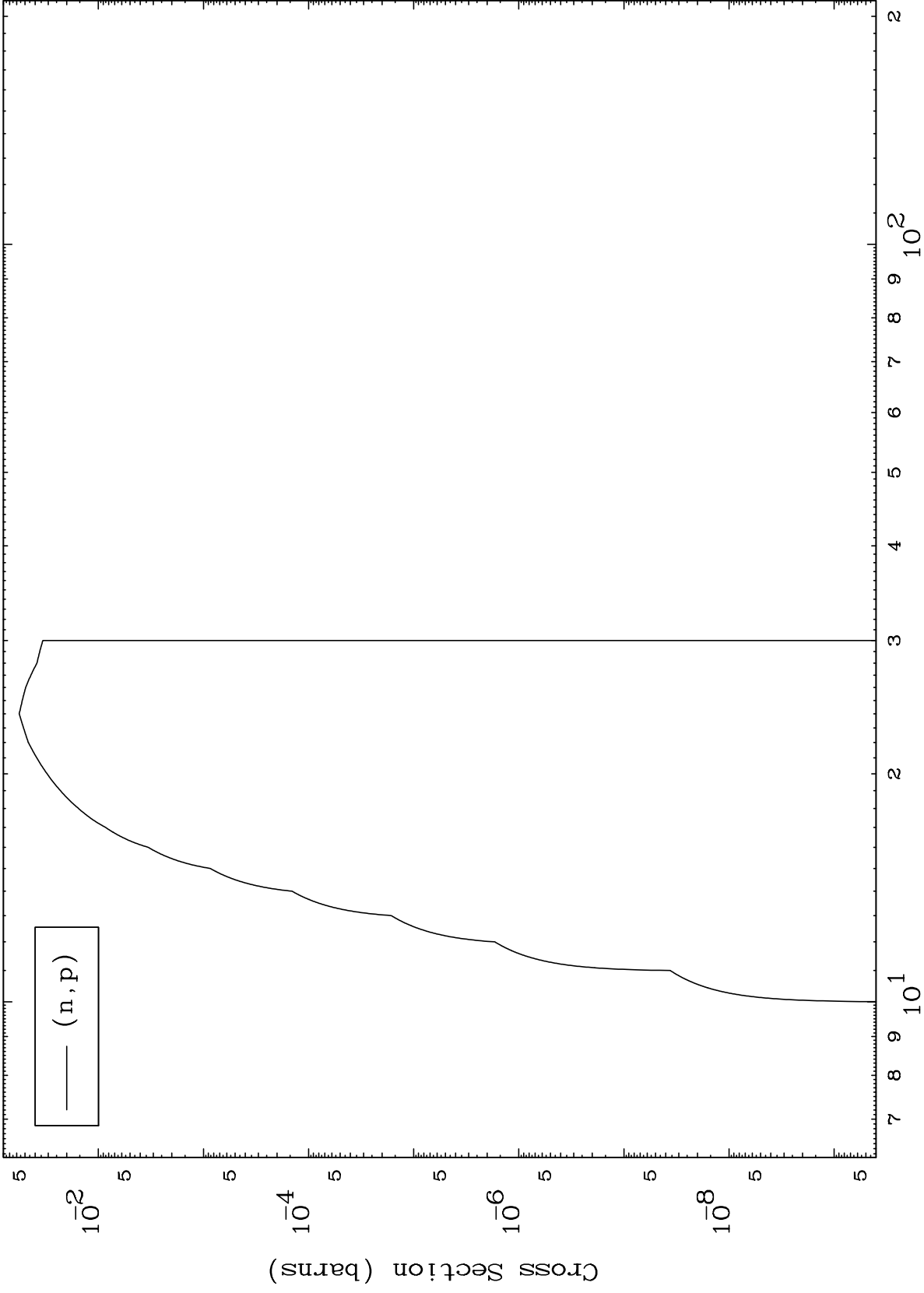




MAT 6013

(α, p) Levels
0 Kelvin Cross Sections

60-Nd-138



6

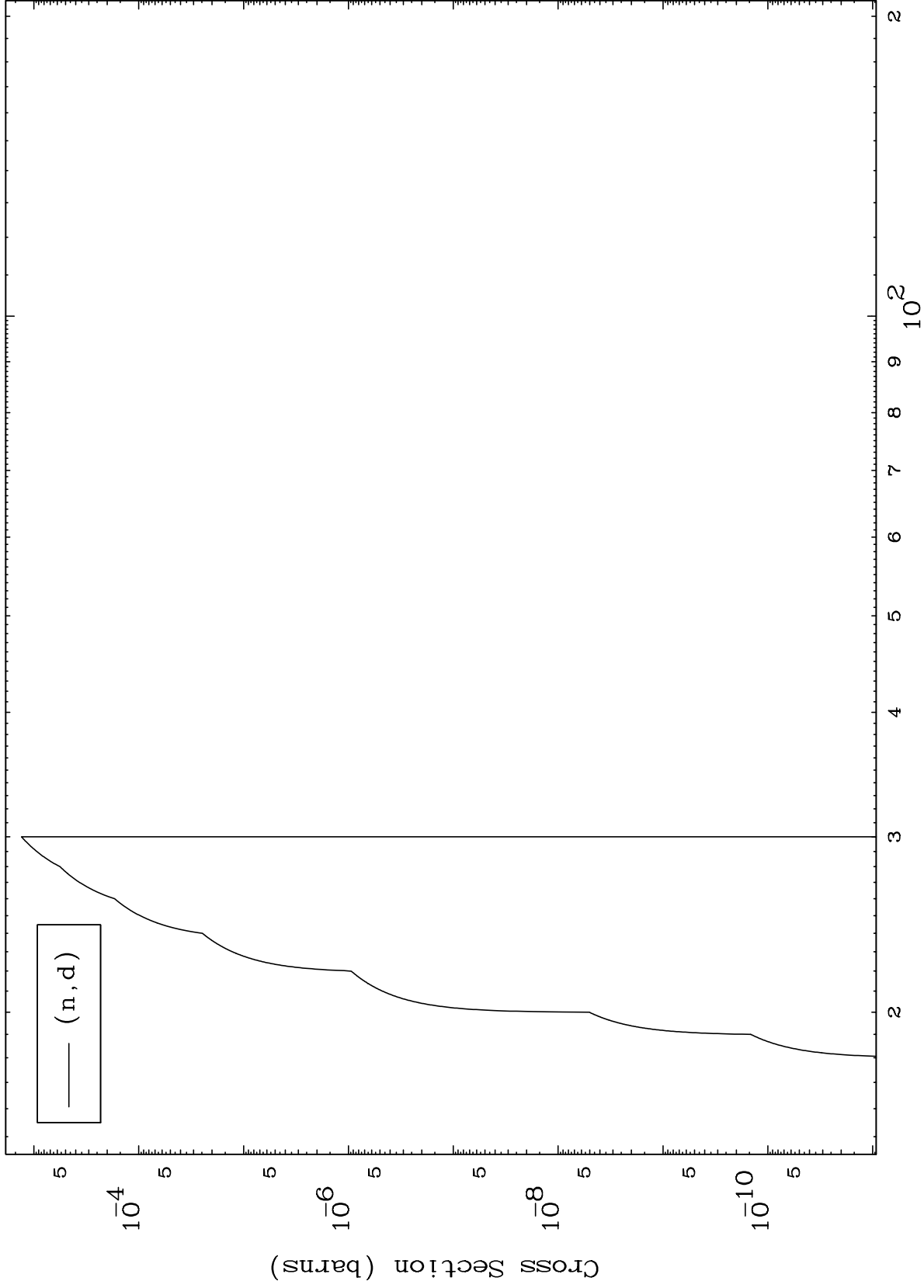
Incident Energy (MeV)

60-Nd-138

MAT 6013

60-Nd-138

(α, d) Levels
0 Kelvin Cross Sections



60-Nd-138

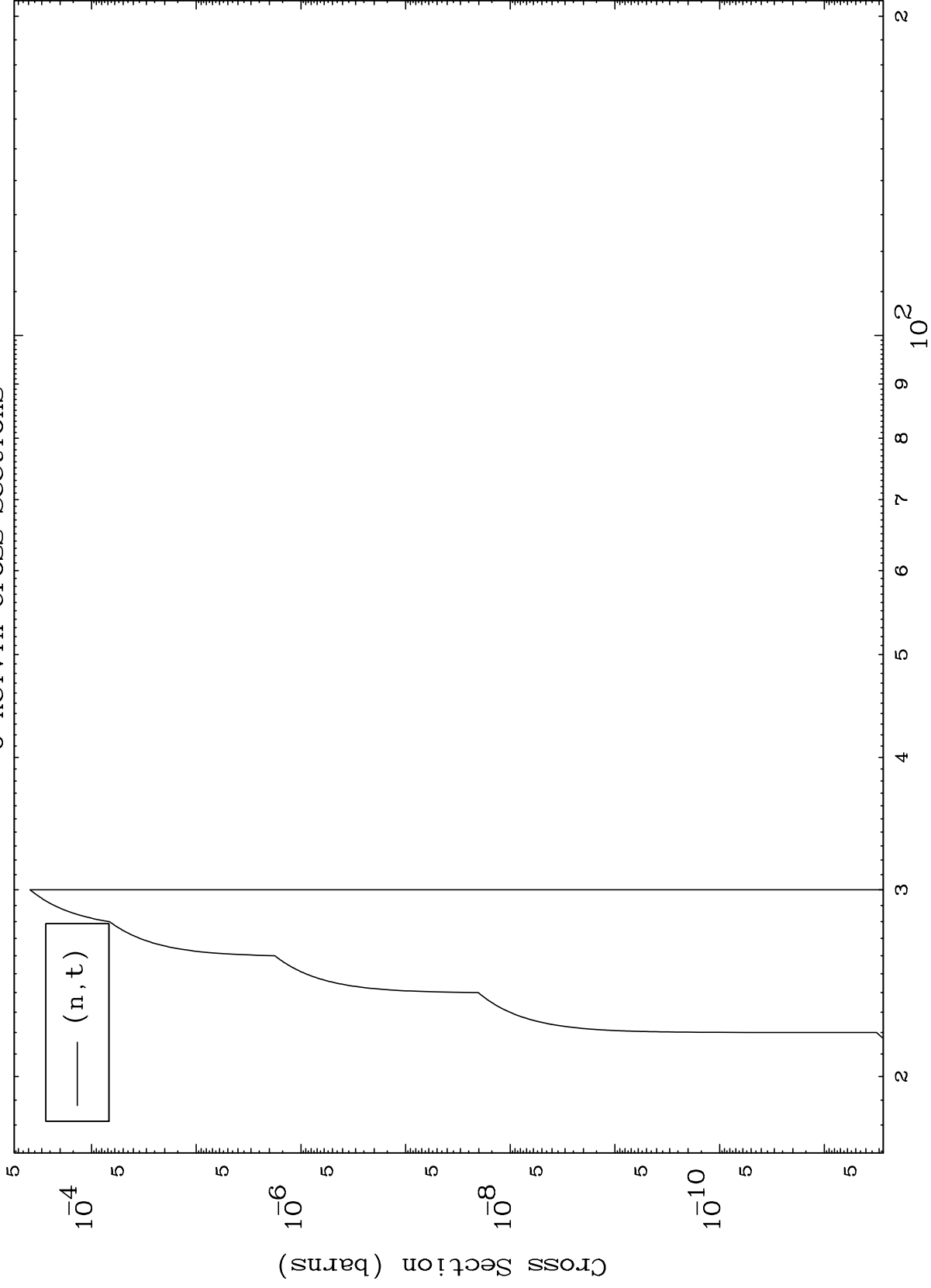
Incident Energy (MeV)

7

MAT 6013

(α, t) Levels
0 Kelvin Cross Sections

60-Nd-138

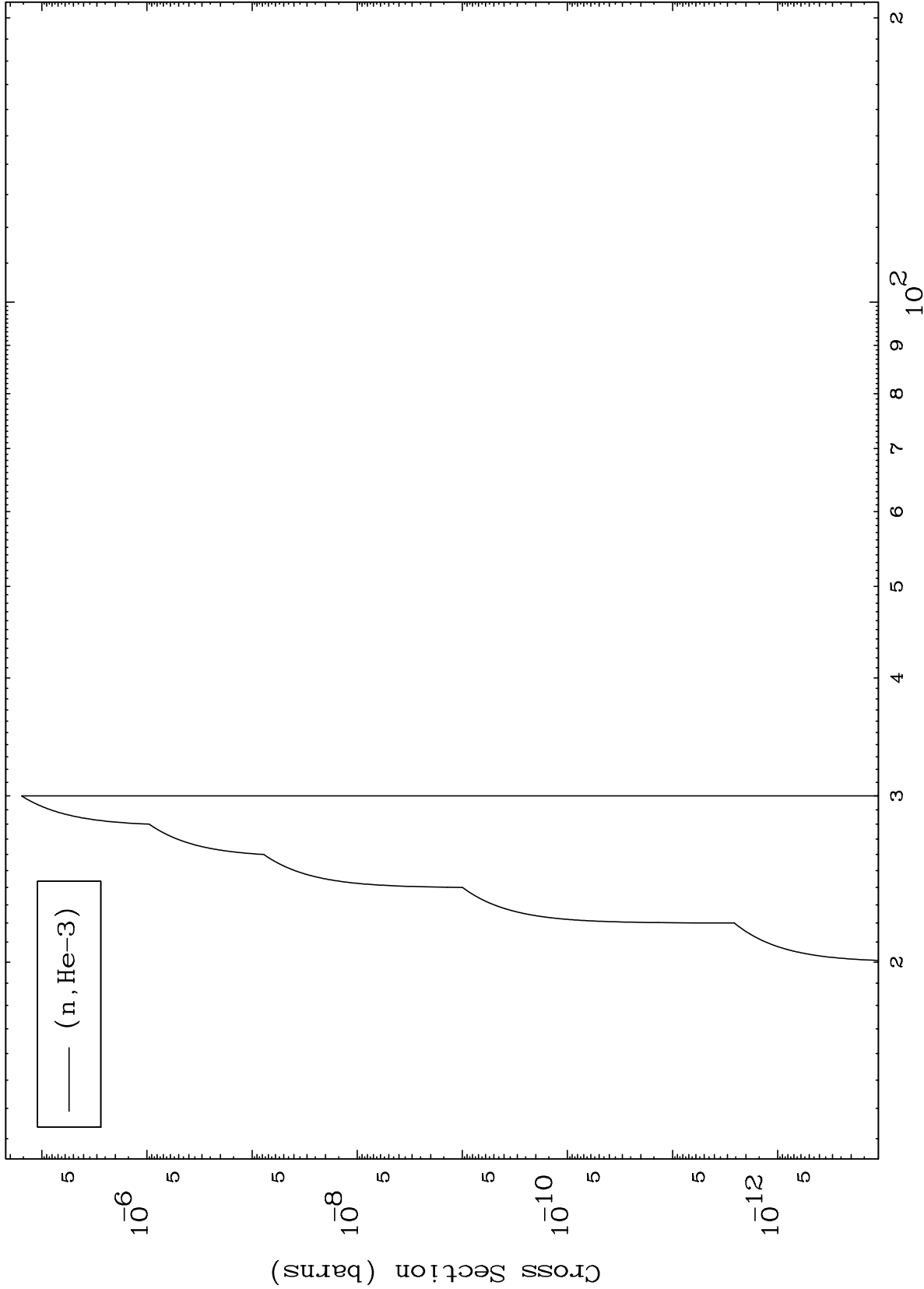


8

Incident Energy (MeV)

60-Nd-138

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

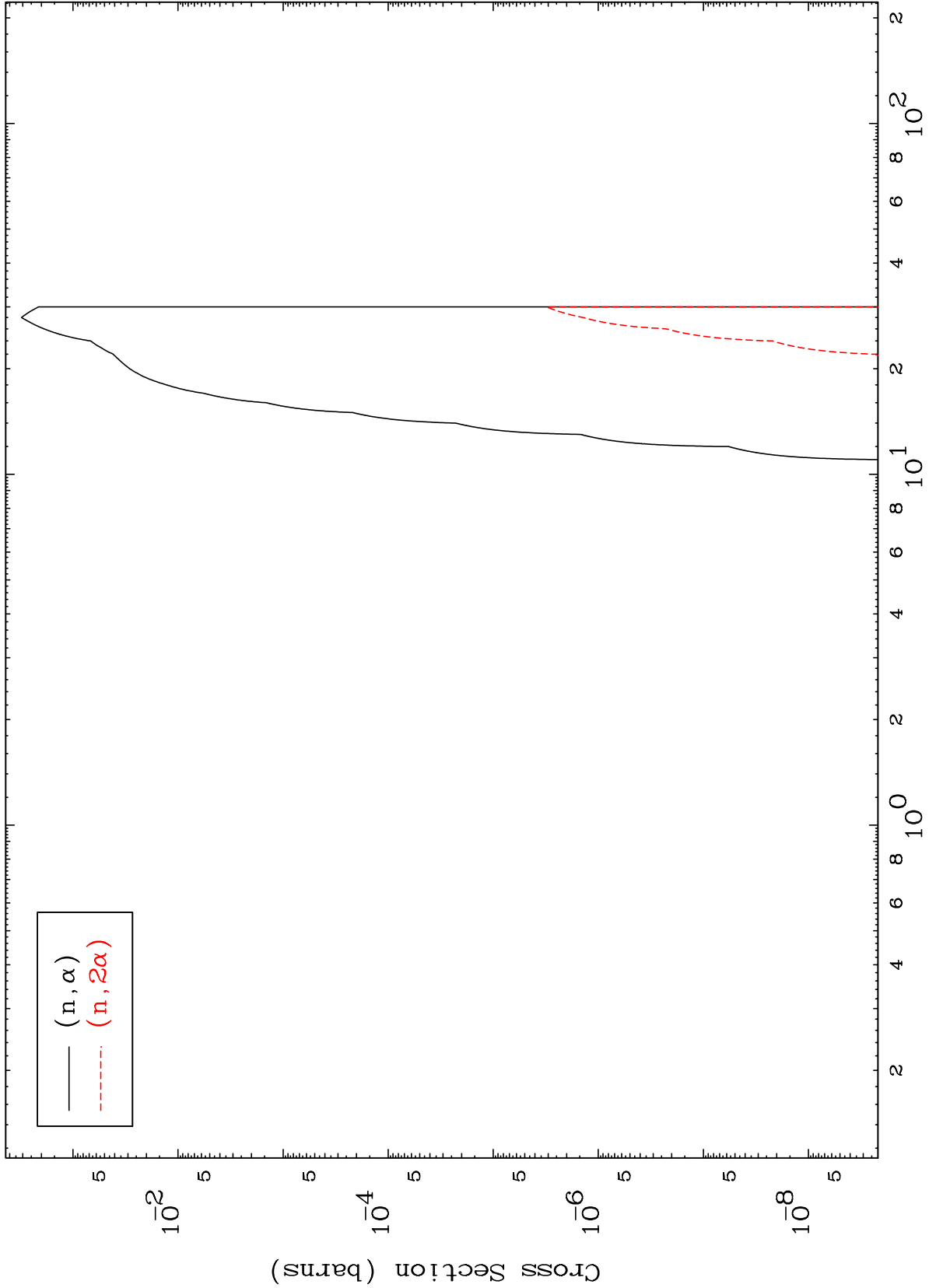


MAT 6013

(α, α) Levels

60-Nd-138

0 Kelvin Cross Sections



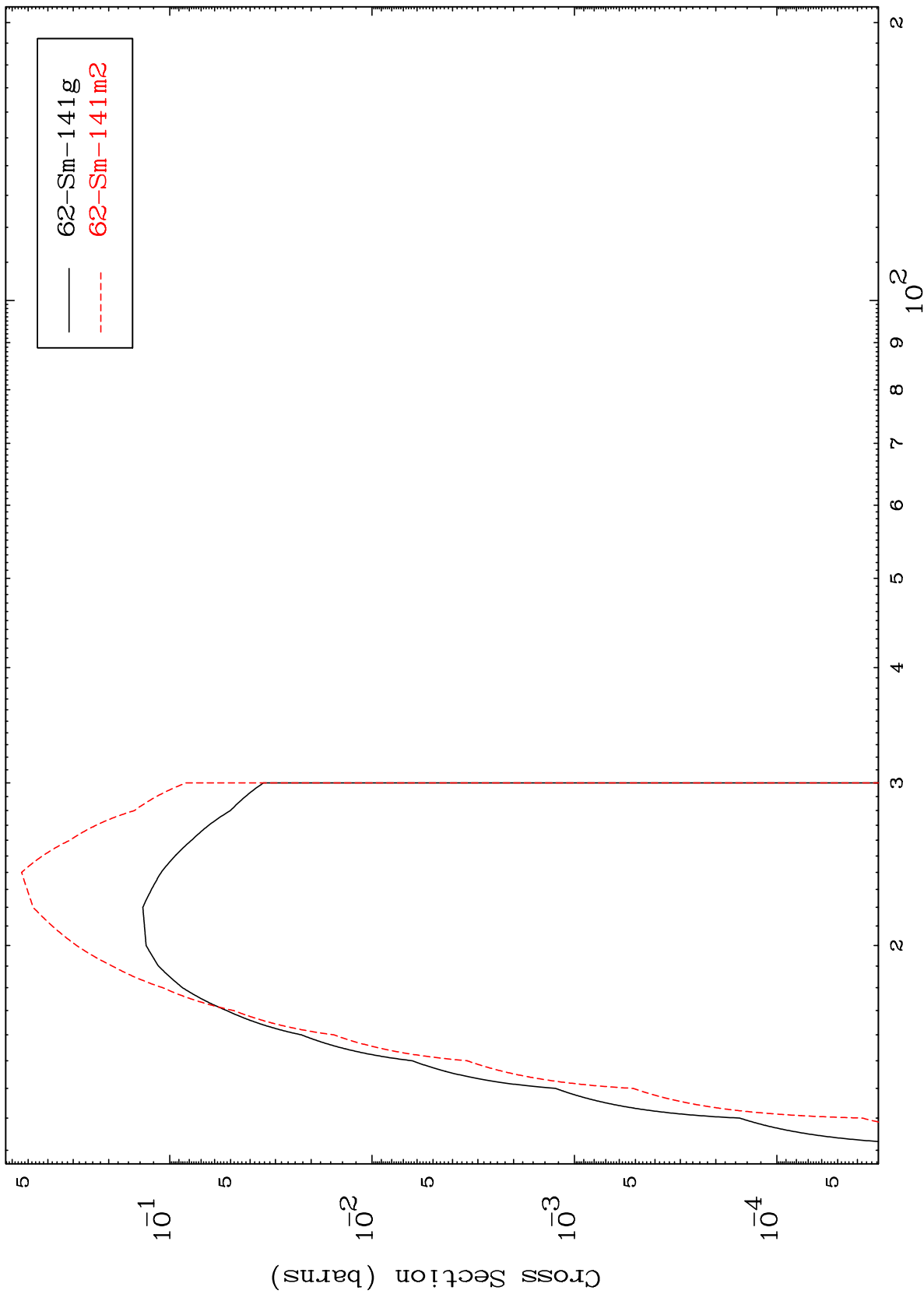
— (n, α)
- - - ($n, 2\alpha$)

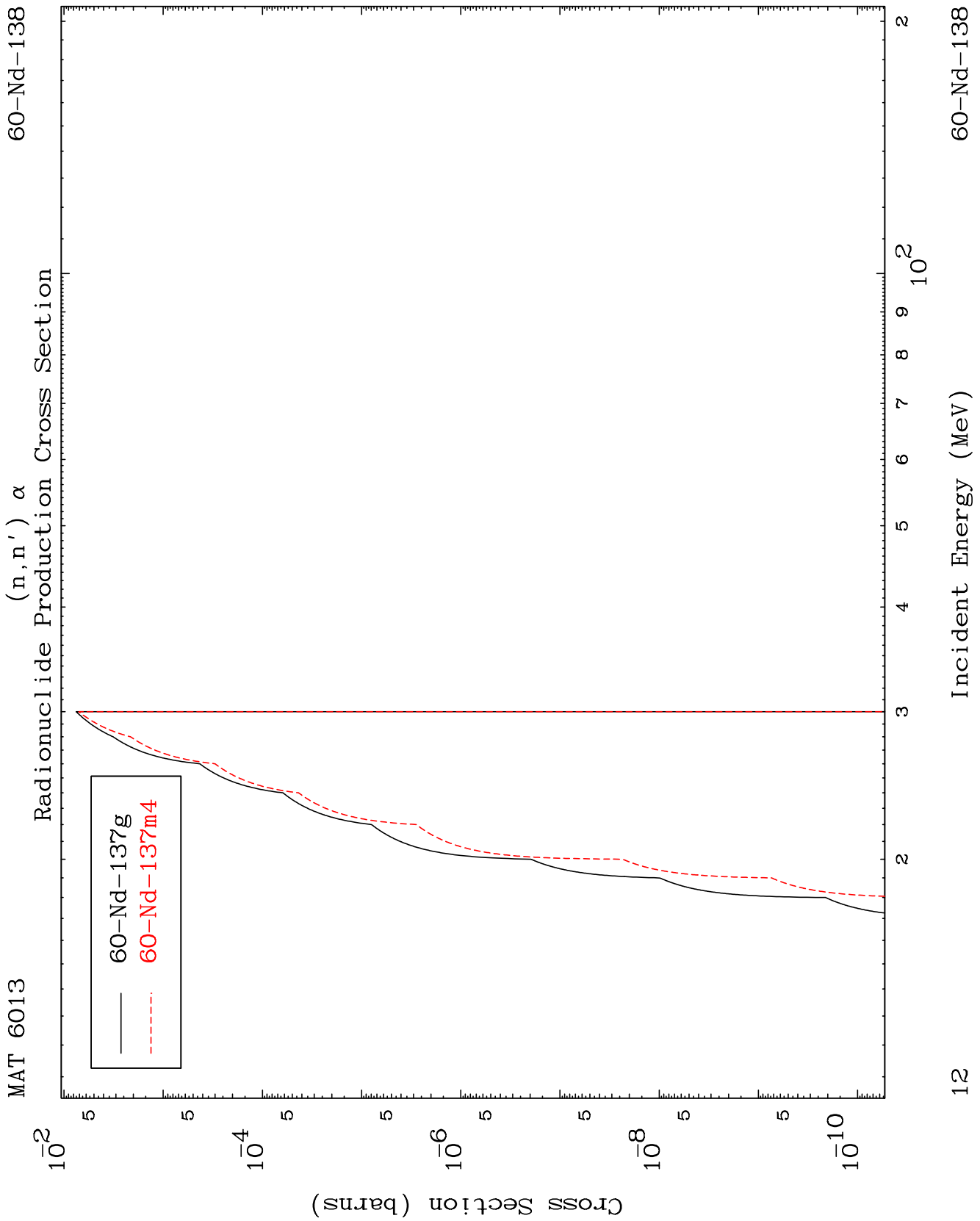
10

Incident Energy (MeV)

60-Nd-138

Inelastic
Radionuclide Production Cross Section



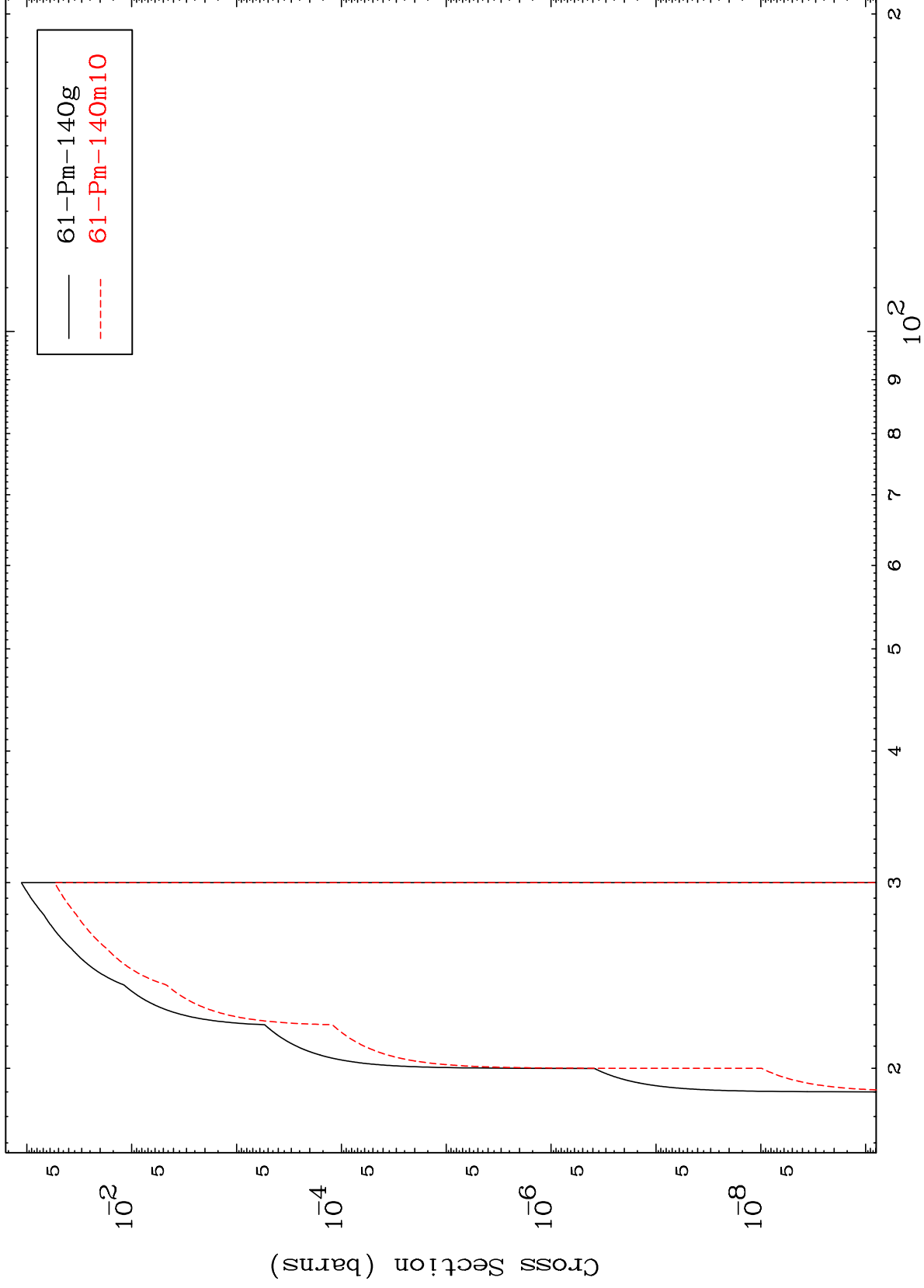


MAT 6013

(n,n') p

60-Nd-138

Radionuclide Production Cross Section



13

Incident Energy (MeV)

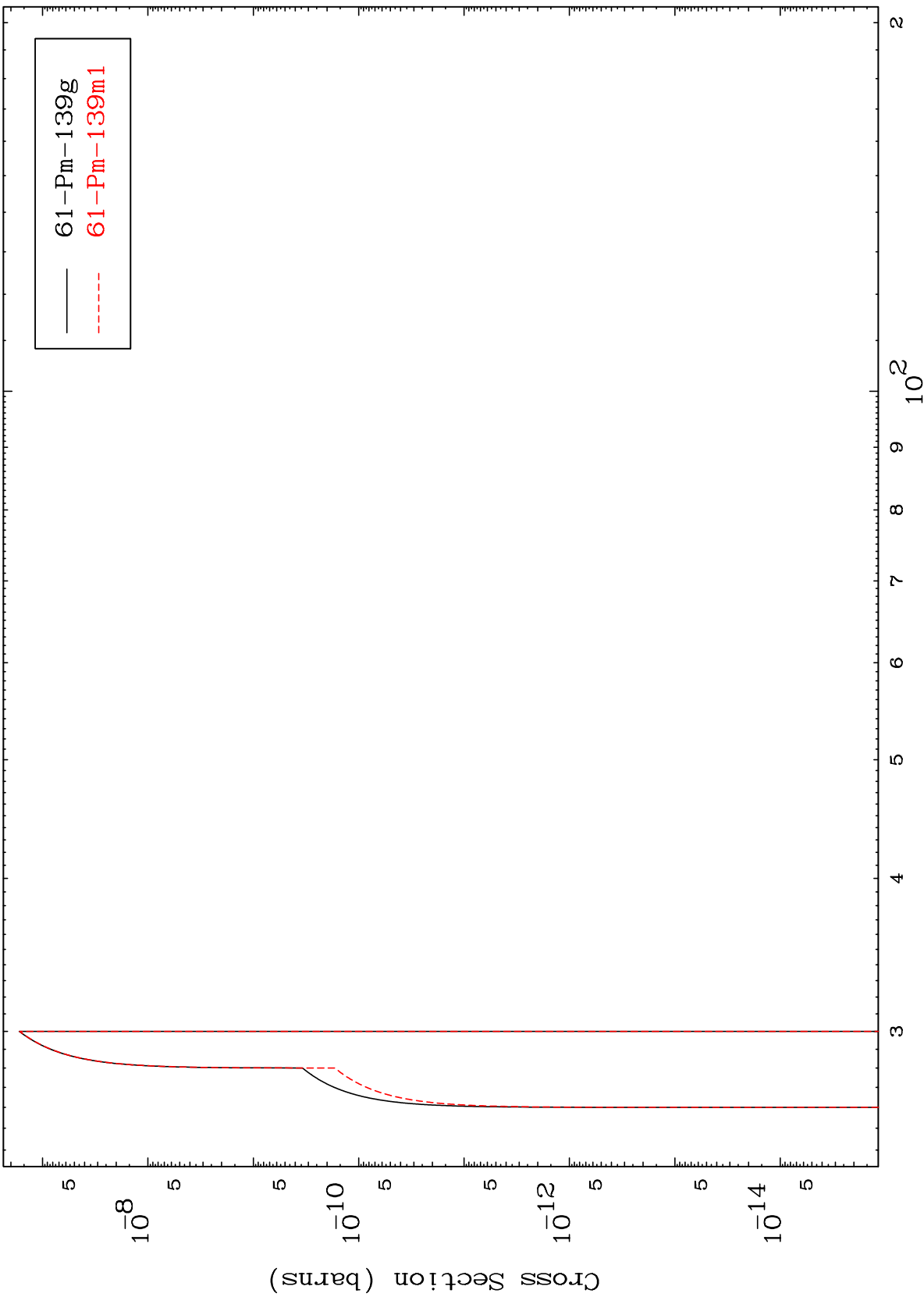
60-Nd-138

MAT 6013

(n,n') d

60-Nd-138

Radionuclide Production Cross Section



14

Incident Energy (MeV)

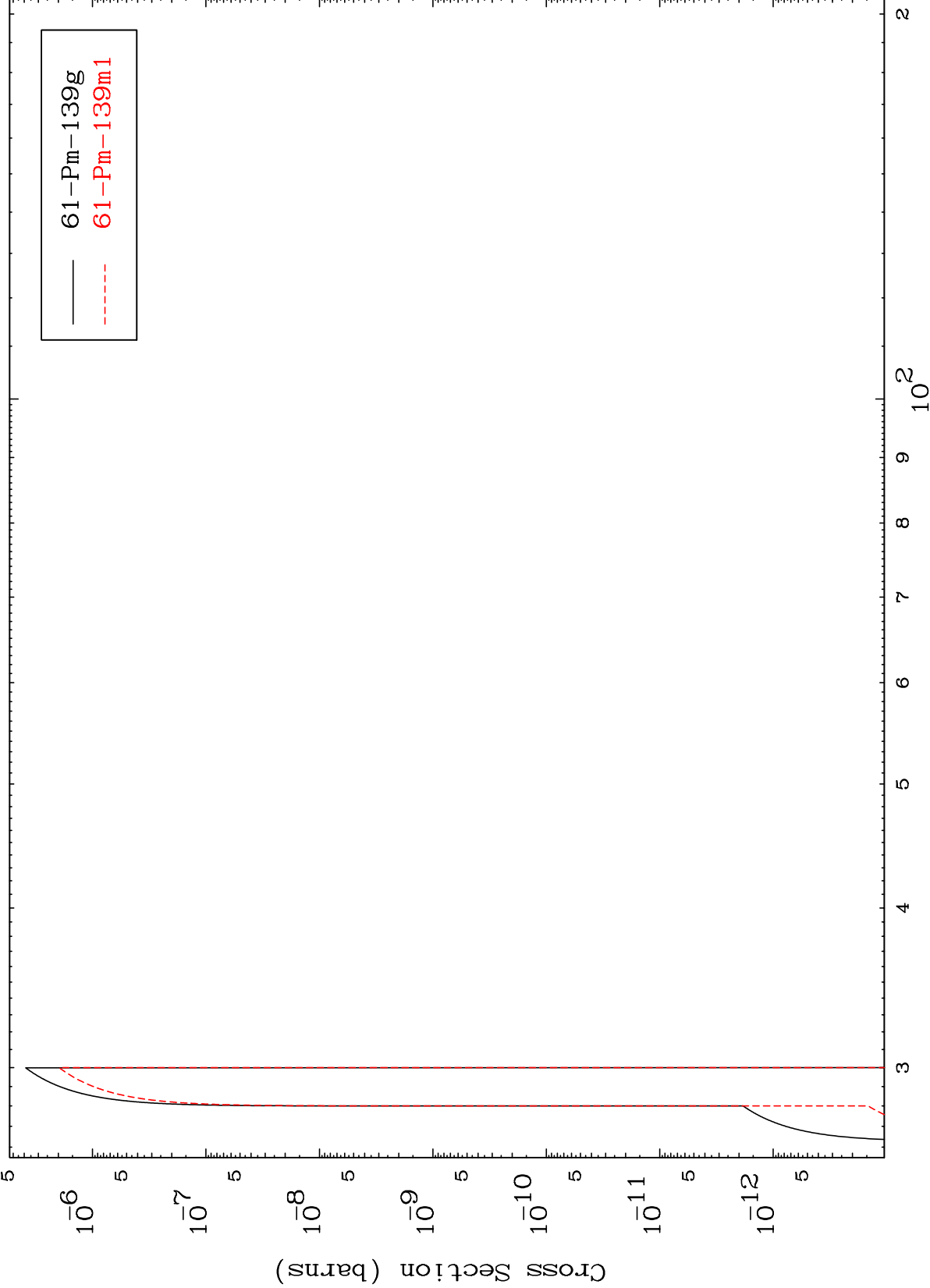
60-Nd-138

MAT 6013

$(n,2n)$ p

60-Nd-138

Radionuclide Production Cross Section



15

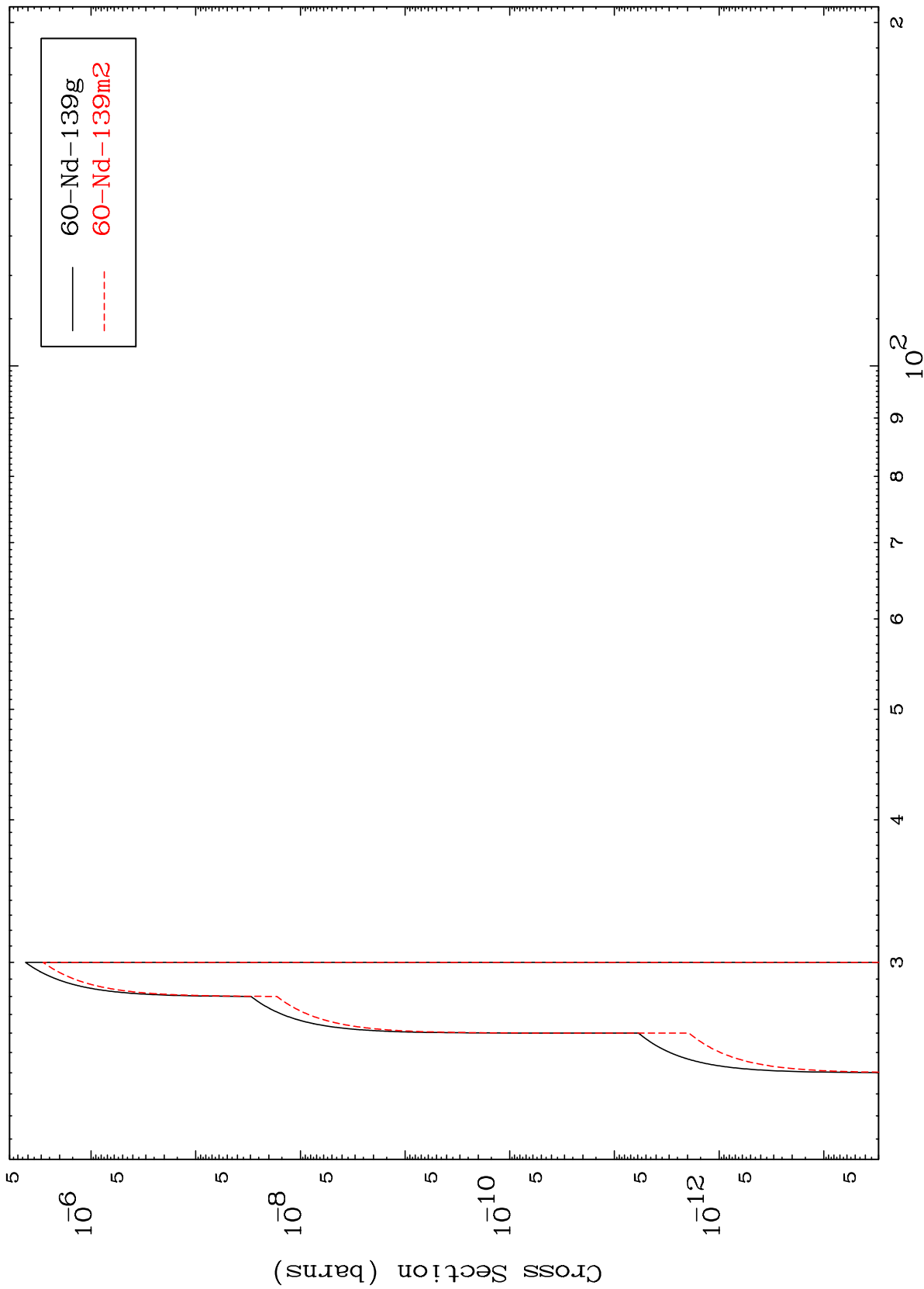
Incident Energy (MeV)

60-Nd-138

MAT 6013

60-Nd-138

(n,2n) p
Radionuclide Production Cross Section



60-Nd-138

Incident Energy (MeV)

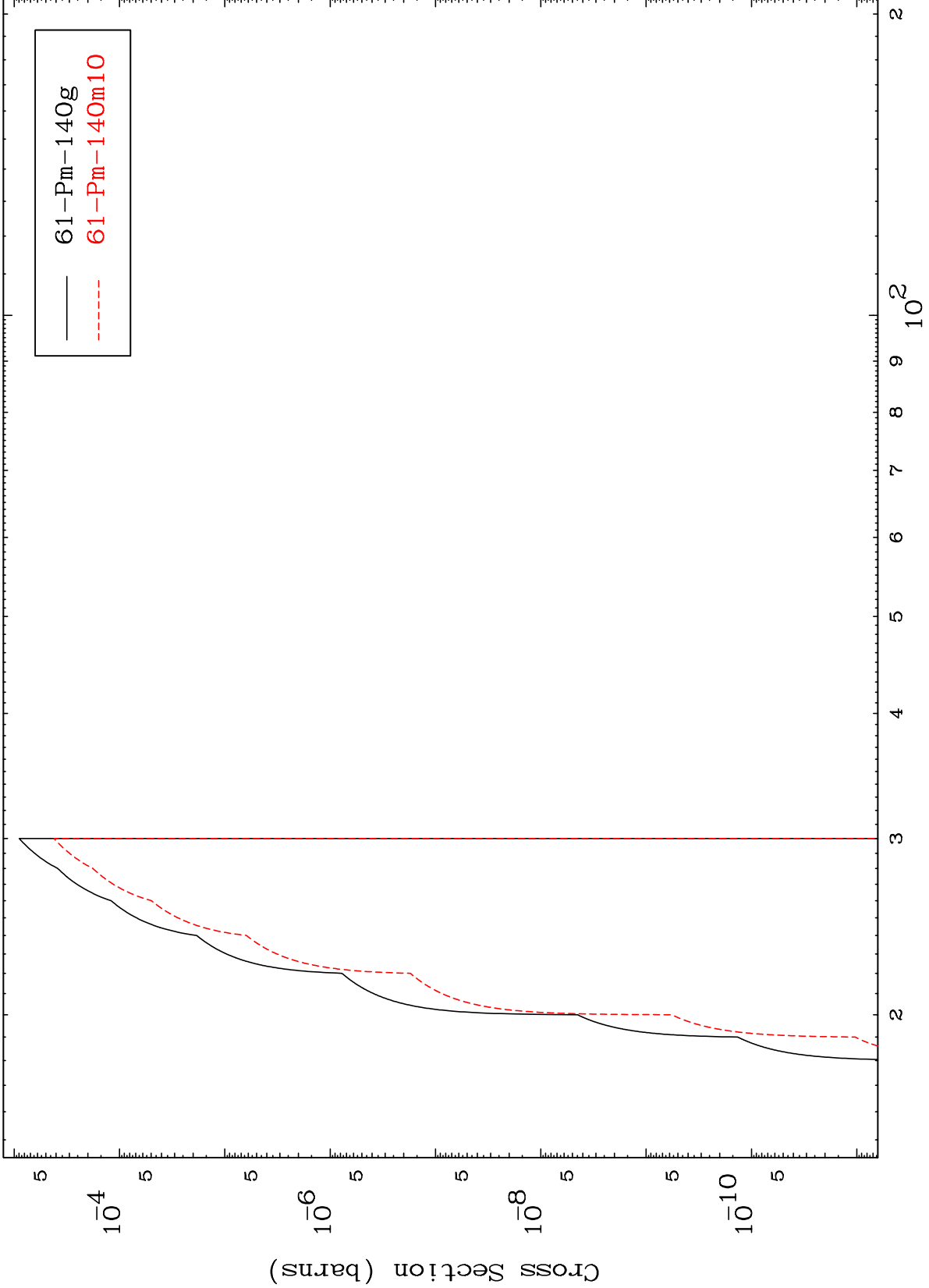
16

MAT 6013

(n,d)

60-Nd-138

Radionuclide Production Cross Section



17

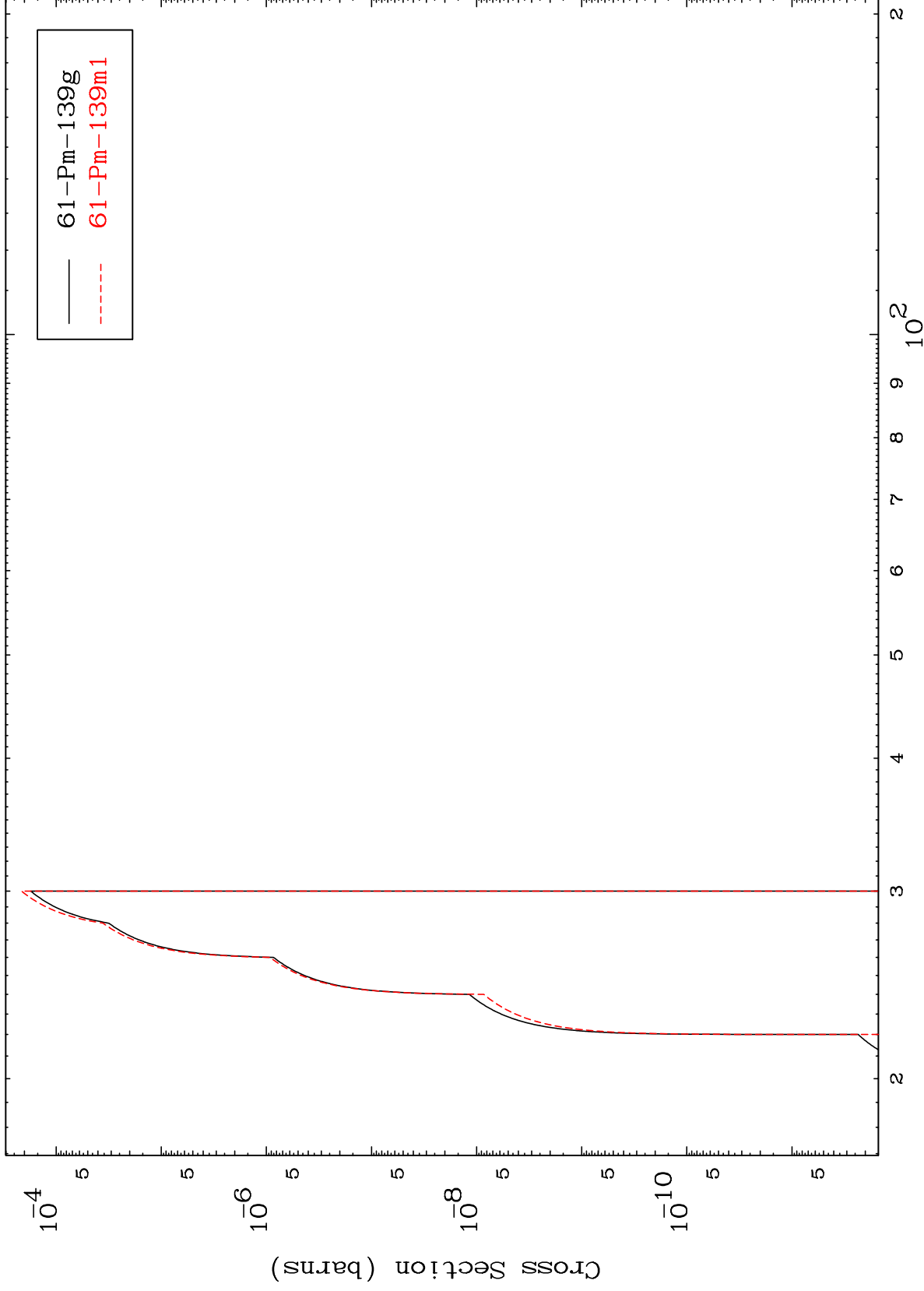
Incident Energy (MeV)

60-Nd-138

MAT 6013

60-Nd-138

(n, t)
Radionuclide Production Cross Section



18

60-Nd-138

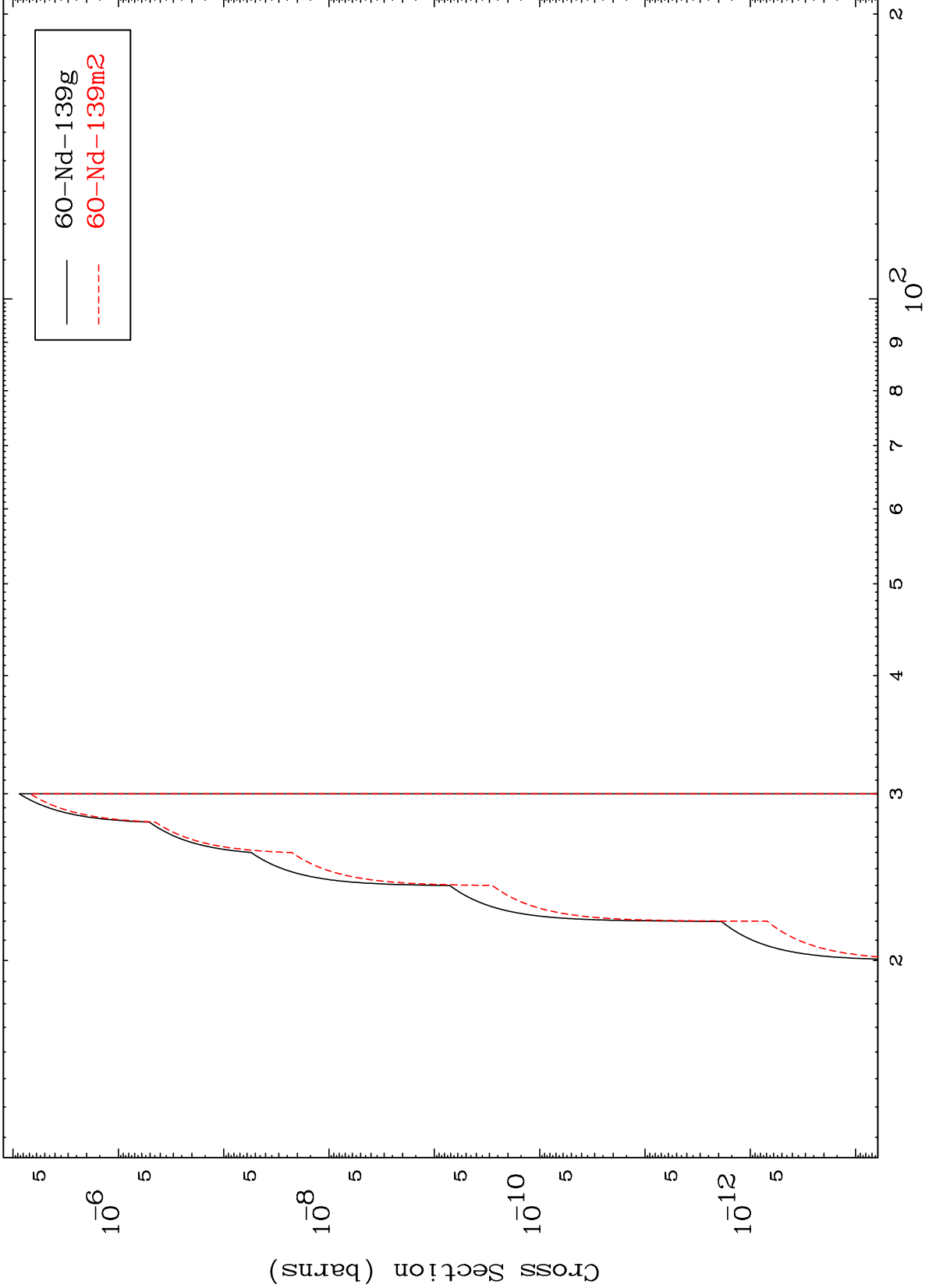
Incident Energy (MeV)

MAT 6013

(n,He-3)

60-Nd-138

Radionuclide Production Cross Section



19

Incident Energy (MeV)

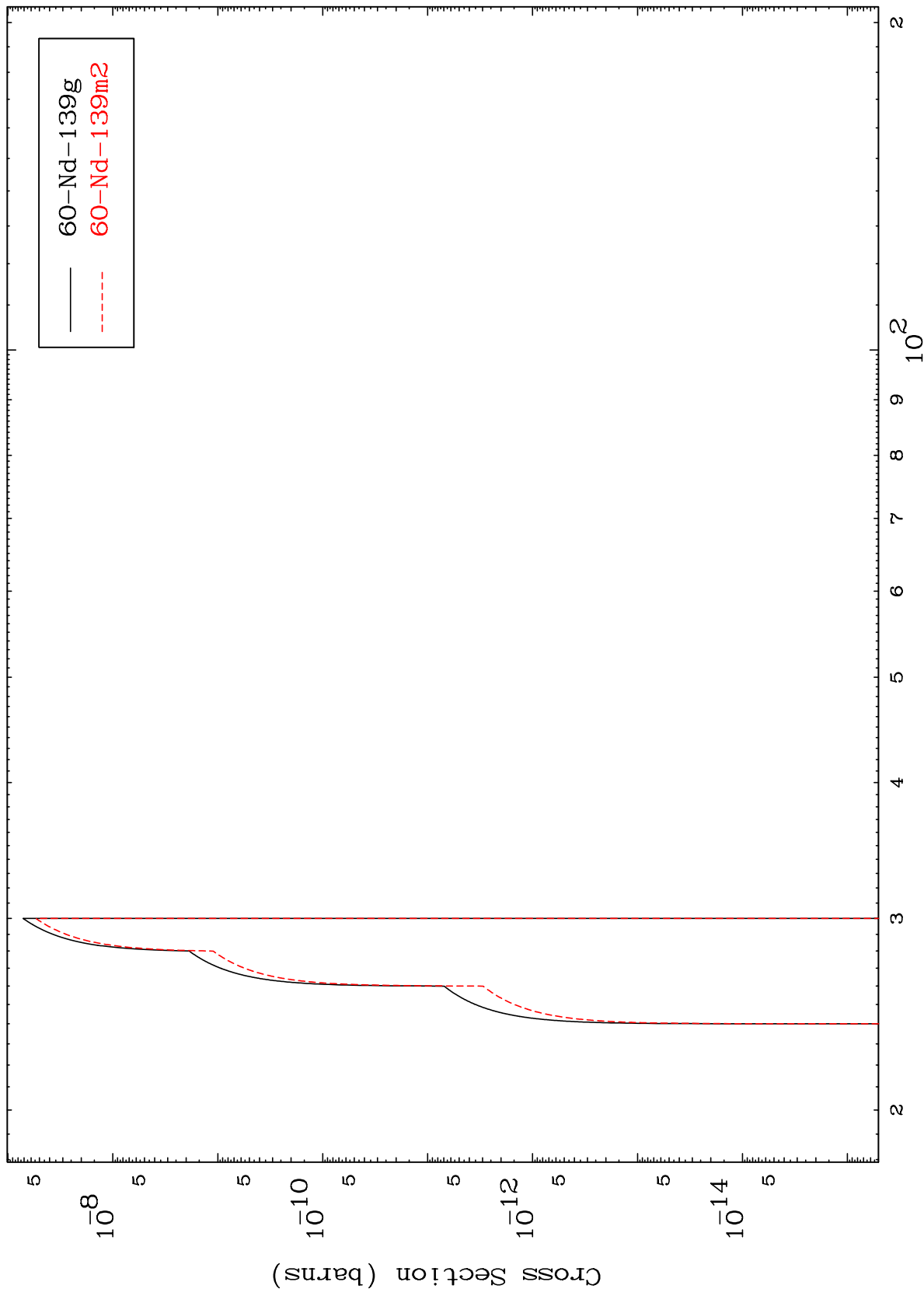
60-Nd-138

MAT 6013

60-Nd-138

(n,p) d

Radionuclide Production Cross Section



20

Incident Energy (MeV)

60-Nd-138