

Program EVALPLOT
(Version 2021-1)

by

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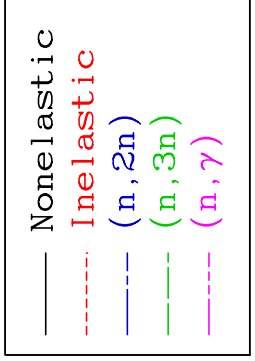
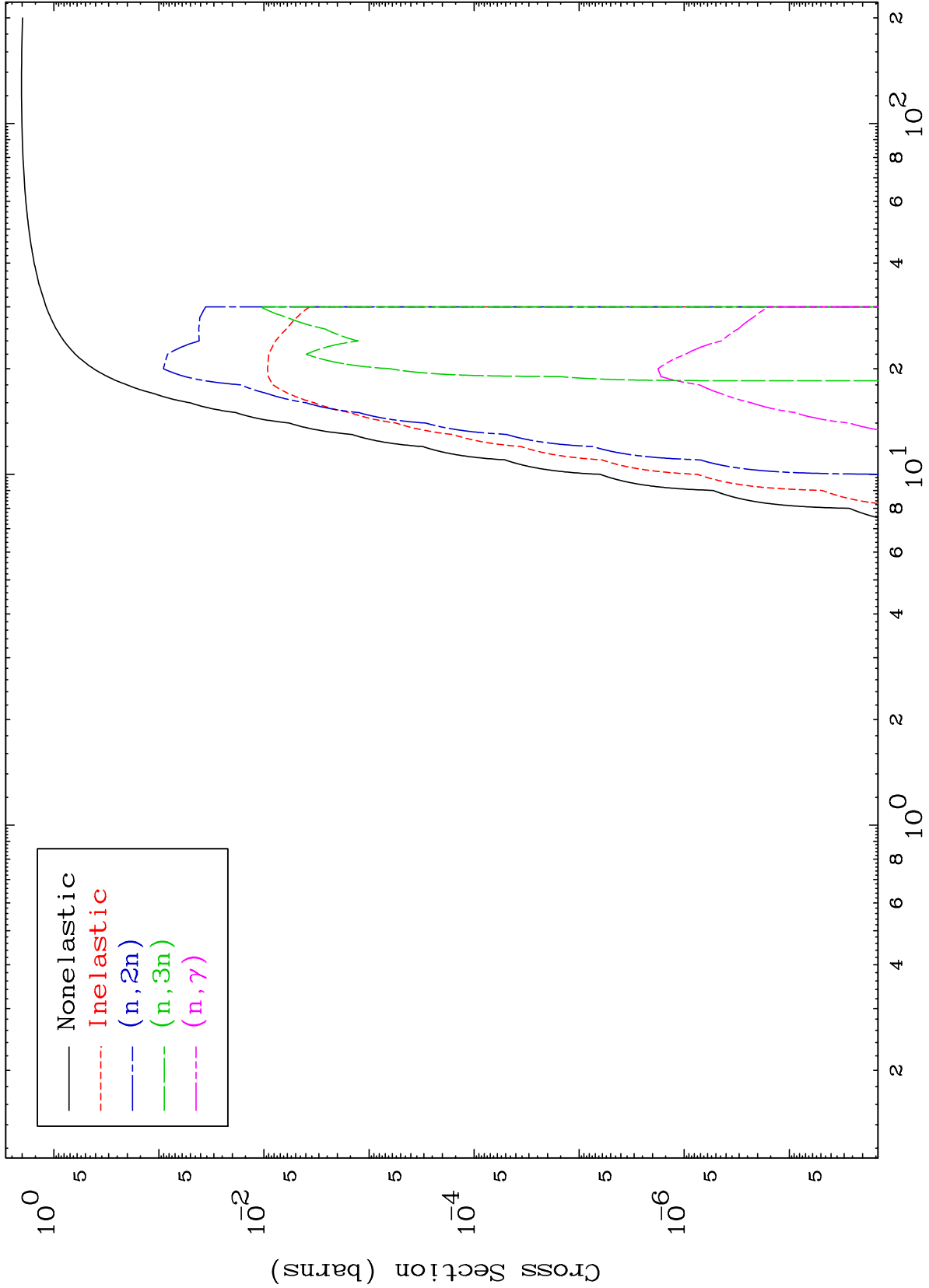
Press Mouse Button to Start

MAT 6019

He-3 Major

60-Nd-140

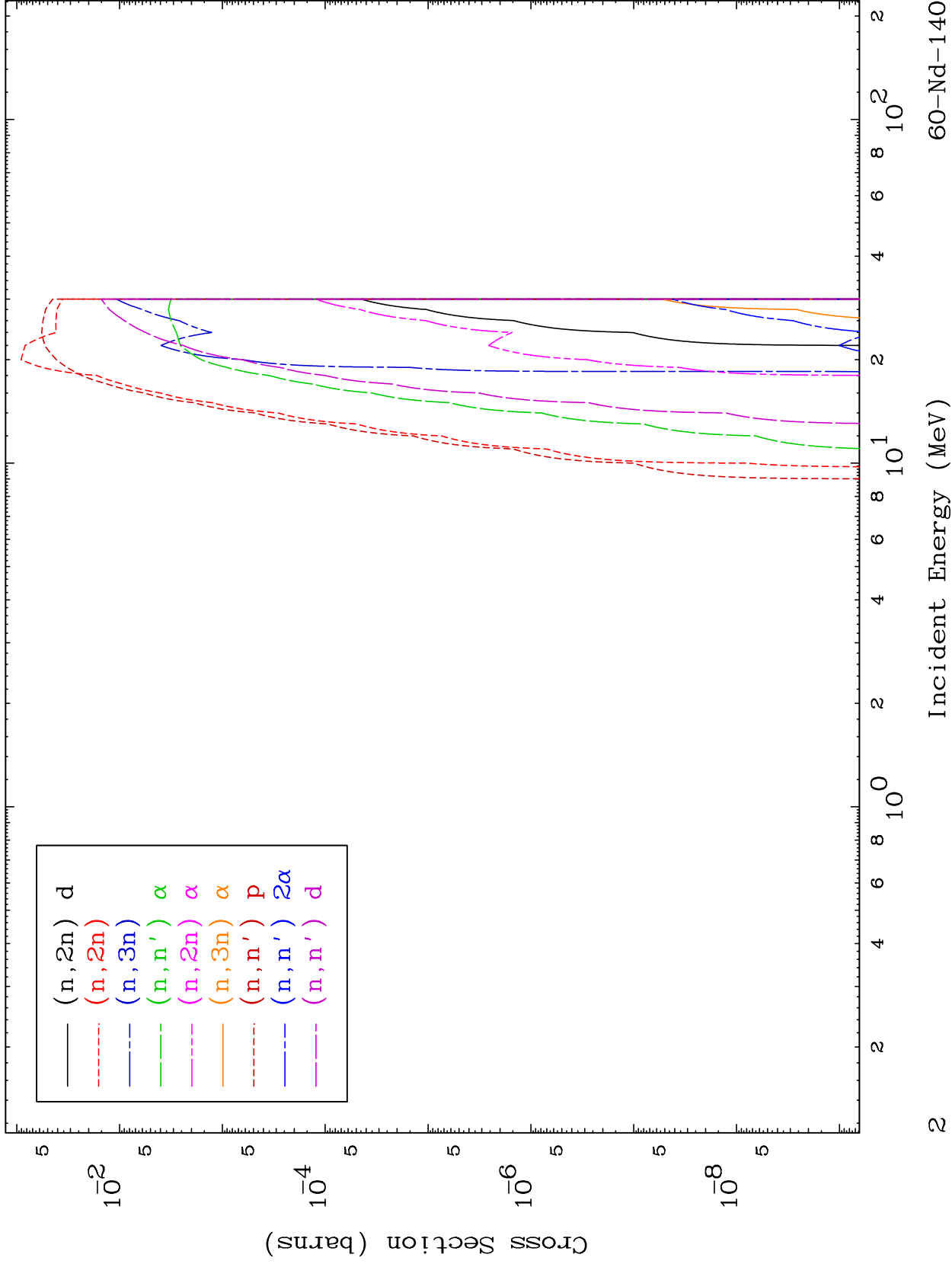
0 Kelvin Cross Sections



MAT 6019

He-3 Neutron Absorption
0 Kelvin Cross Sections

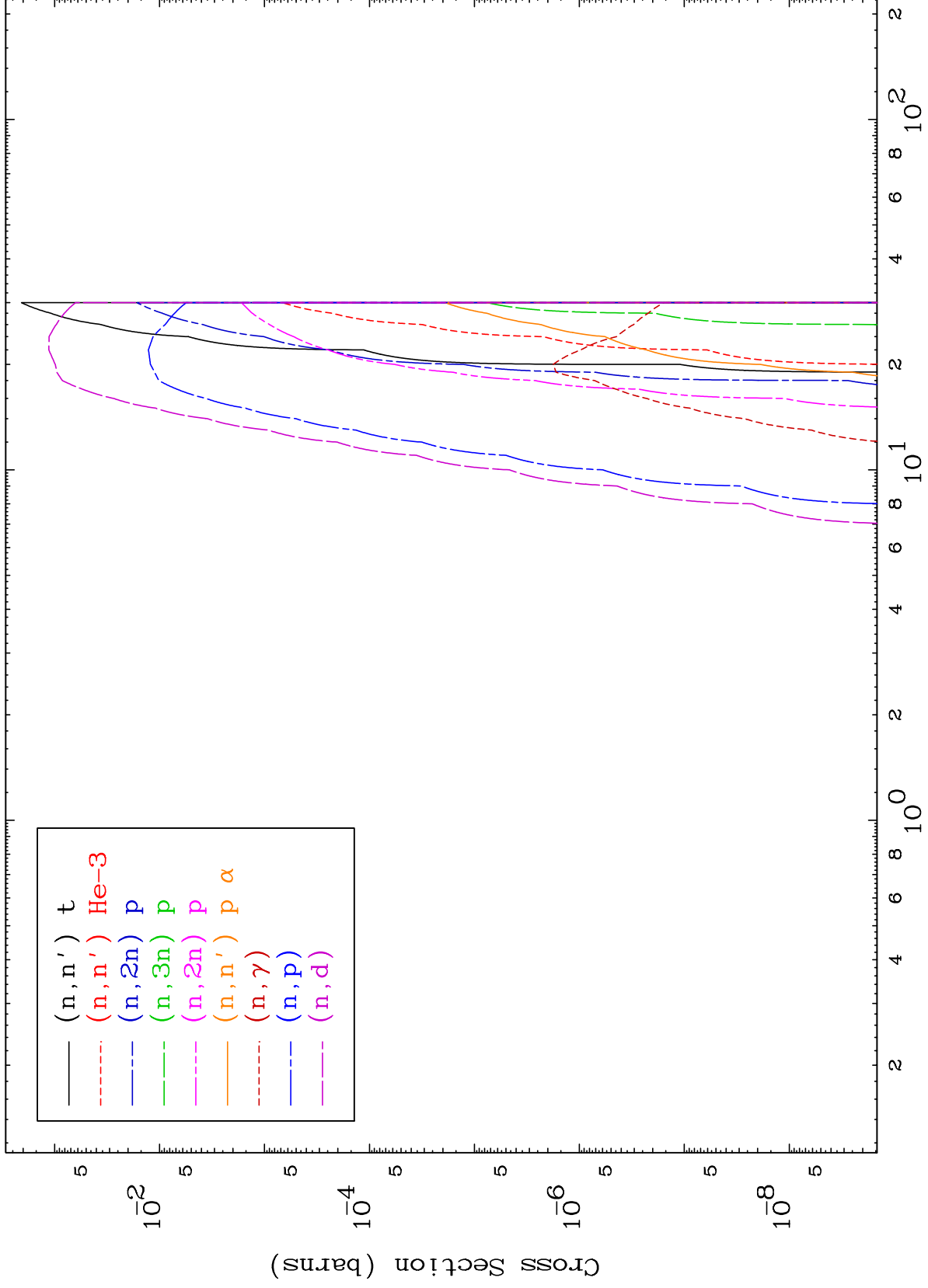
60-Nd-140

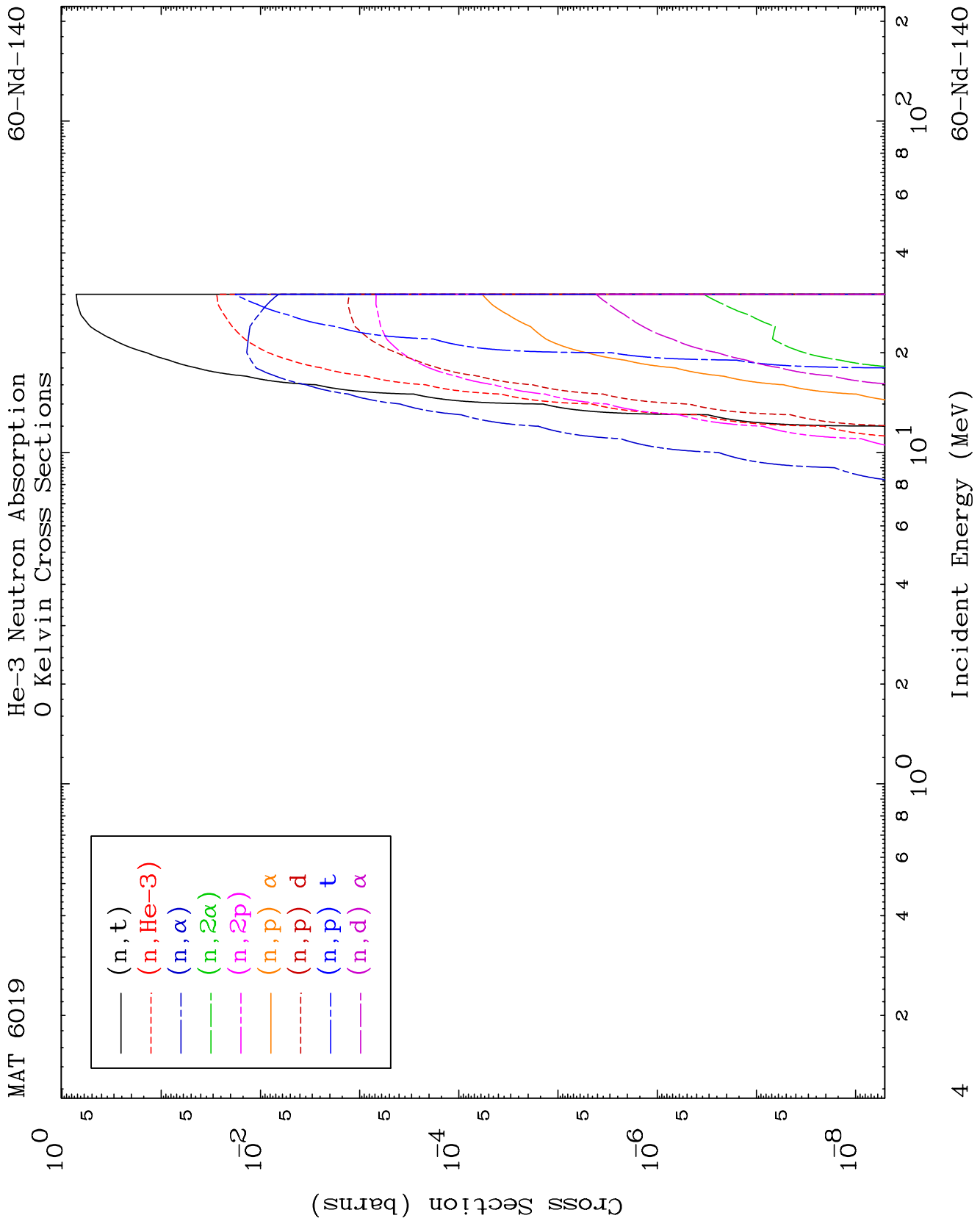


MAT 6019

He-3 Neutron Absorption
0 Kelvin Cross Sections

60-Nd-140

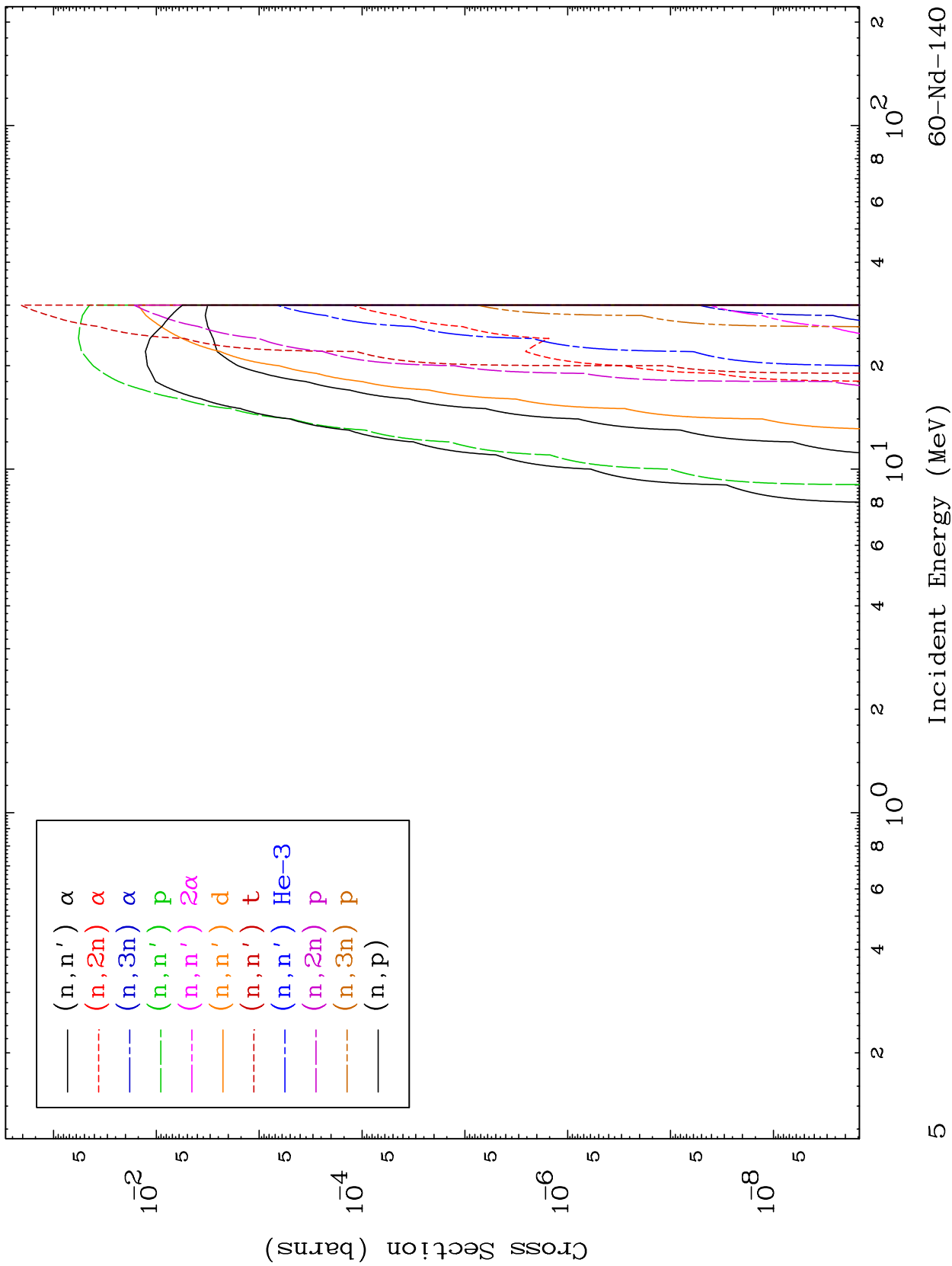




MAT 6019

He-3 Charged Particle
0 Kelvin Cross Sections

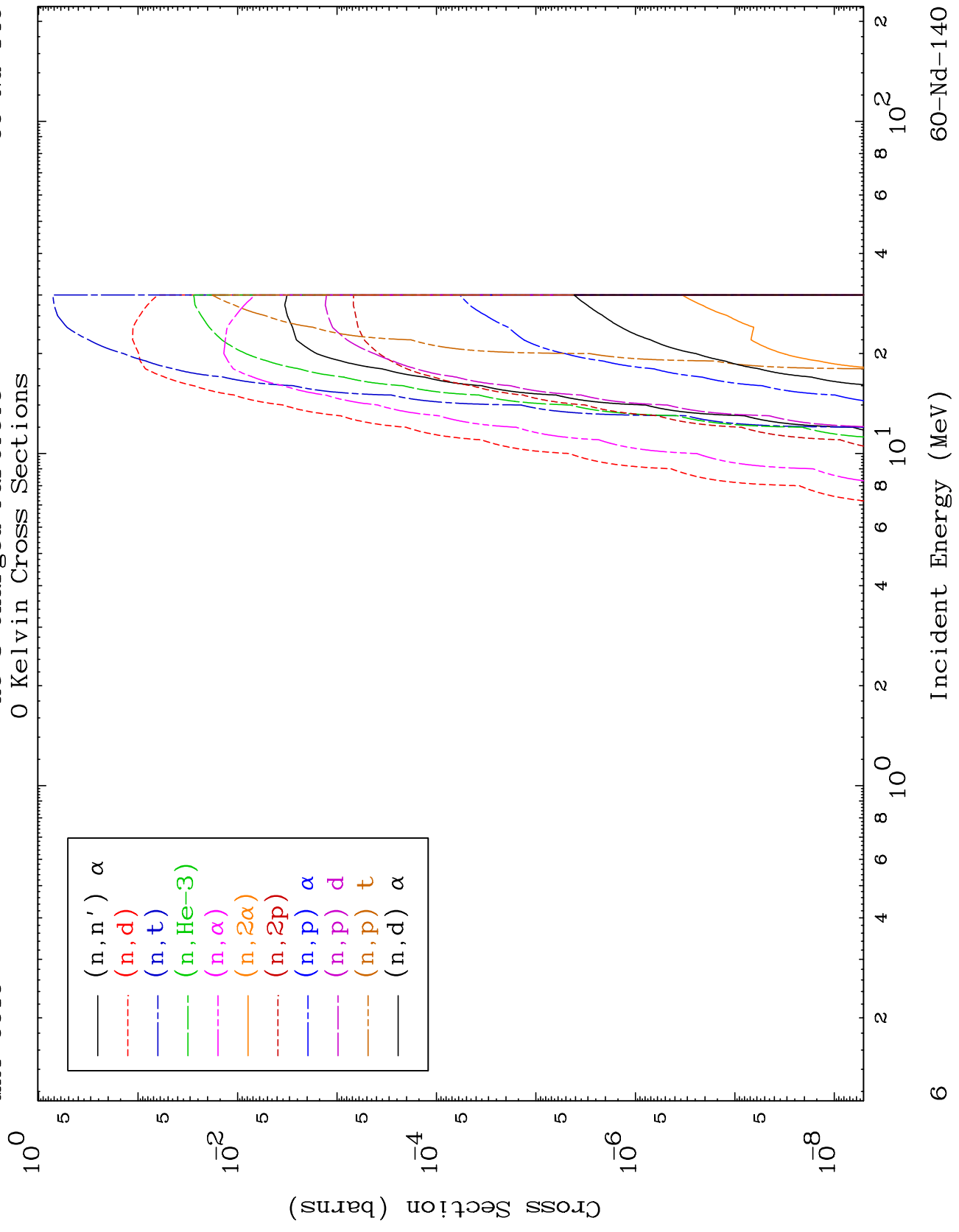
60-Nd-140



MAT 6019

He-3 Charged Particle
0 Kelvin Cross Sections

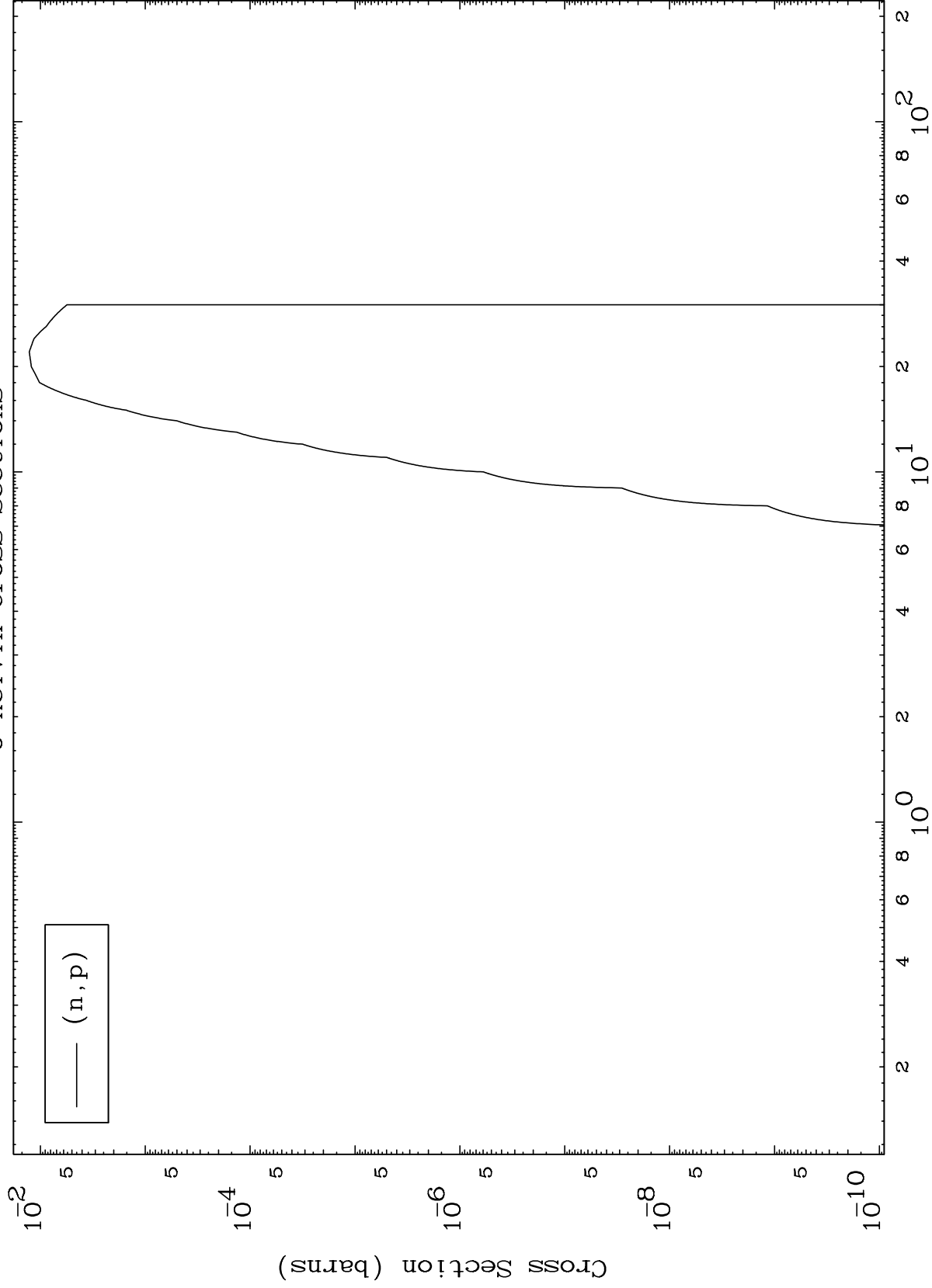
60-Nd-140



MAT 6019

60-Nd-140

(He-3,p) Levels
0 Kelvin Cross Sections

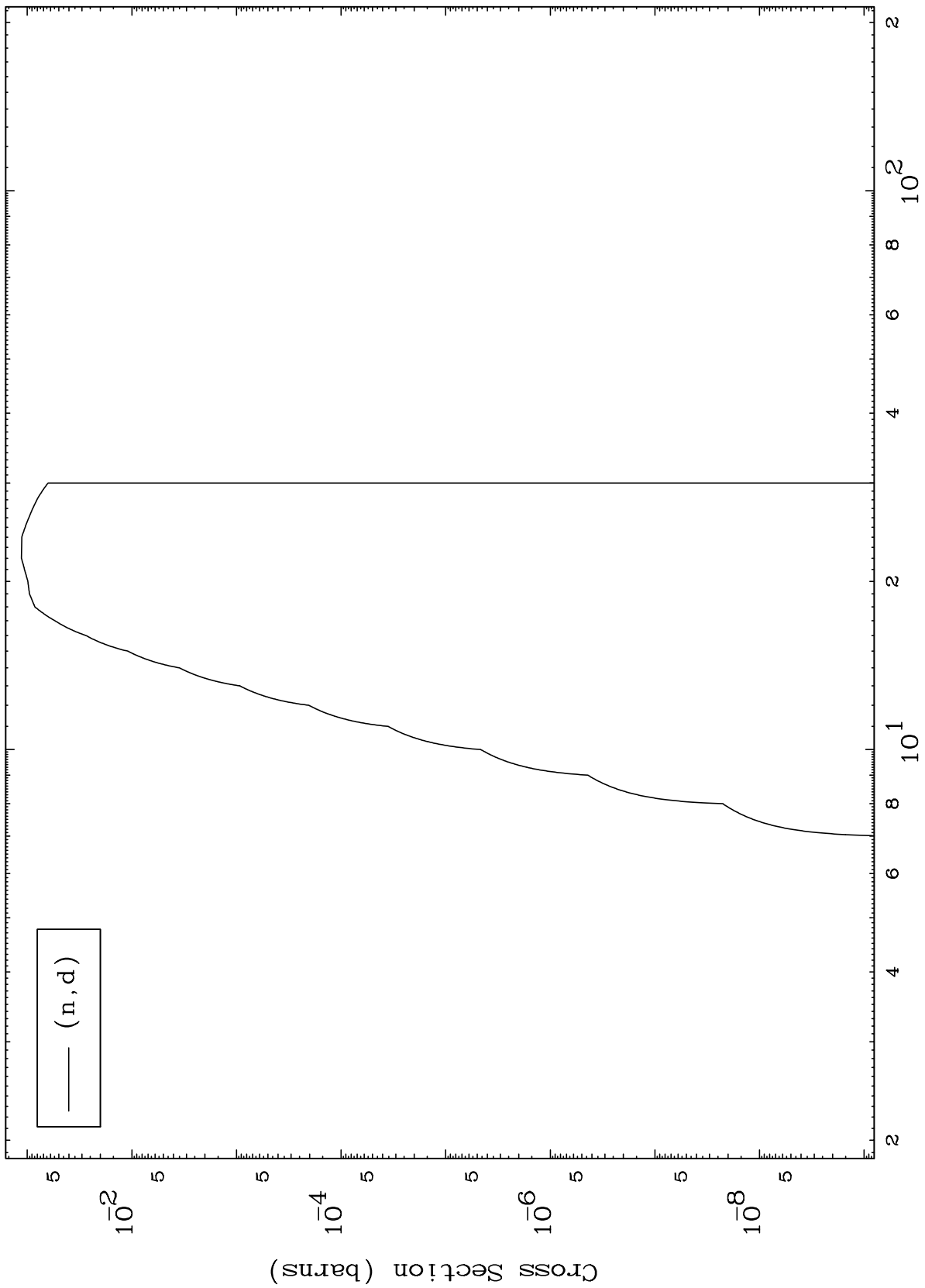


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(He-3,d) Levels

60-Nd-140

0 Kelvin Cross Sections



8

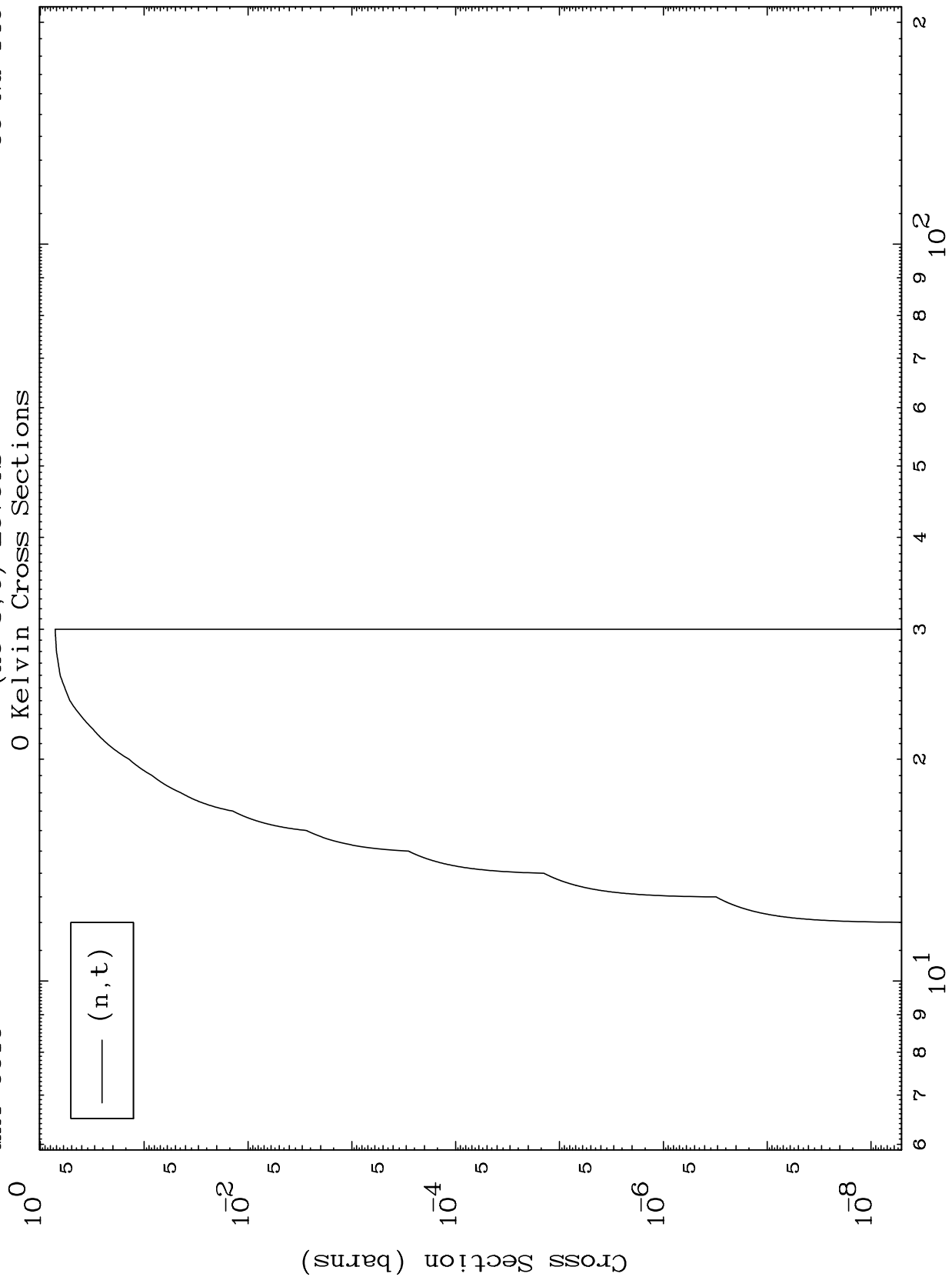
Incident Energy (MeV)

60-Nd-140

MAT 6019.

(He-3,t) Levels

60-Nd-140

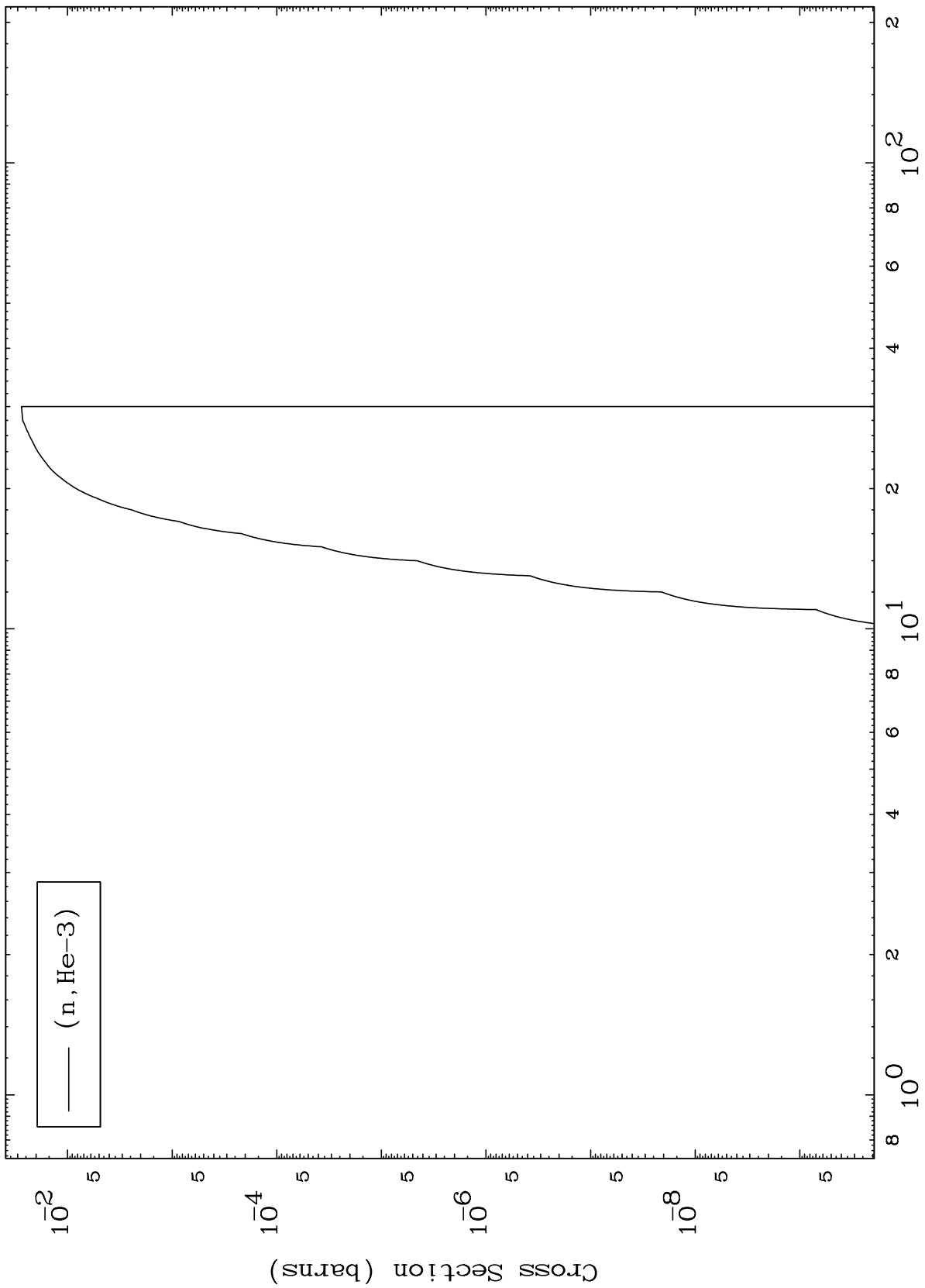


MAT 6019

(He-3, He3) Levels

60-Nd-140

0 Kelvin Cross Sections



— (n, He-3)

10

Incident Energy (MeV)

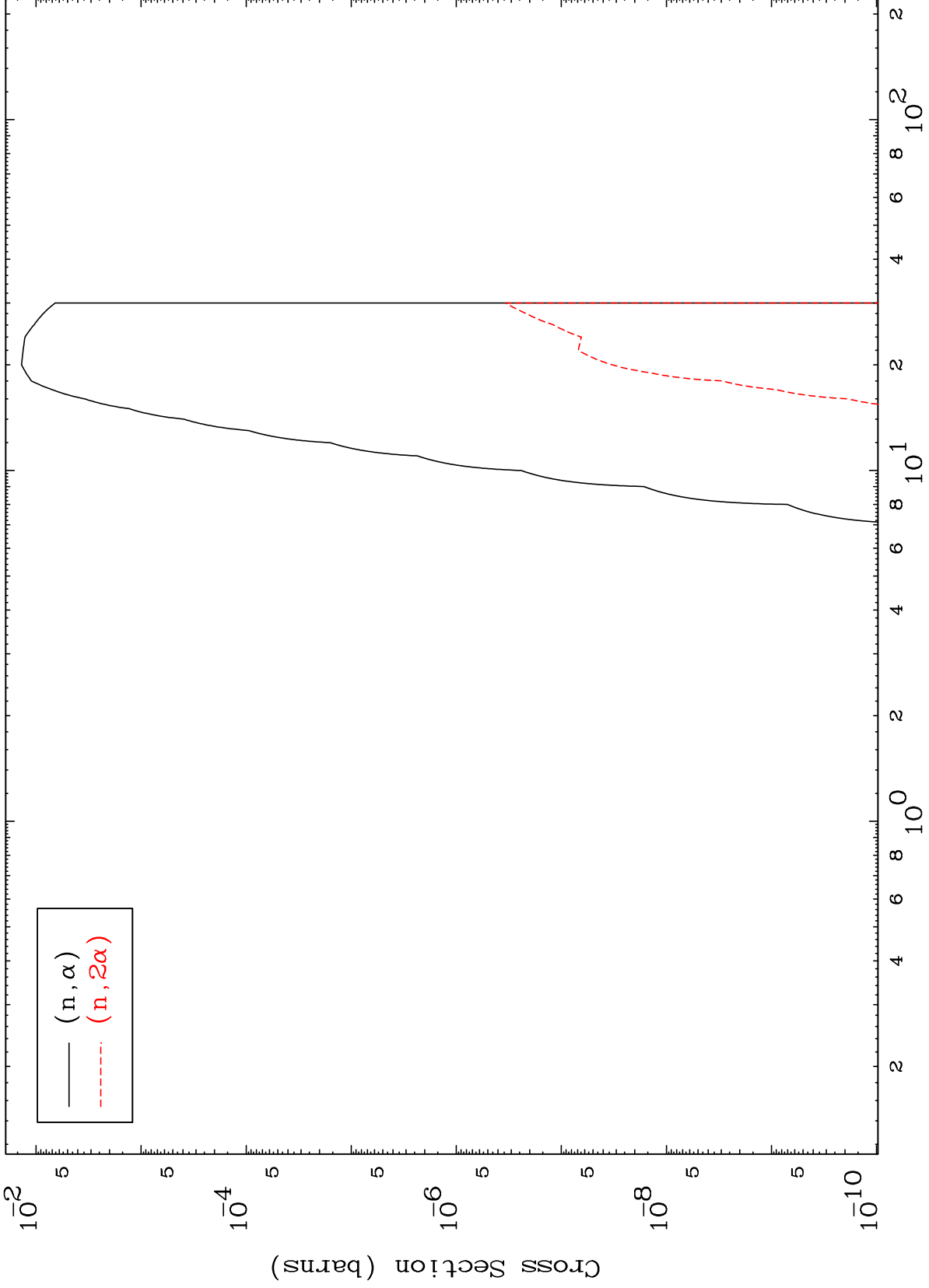
60-Nd-140

MAT 6019

(He-3, α) Levels

60-Nd-140

0 Kelvin Cross Sections

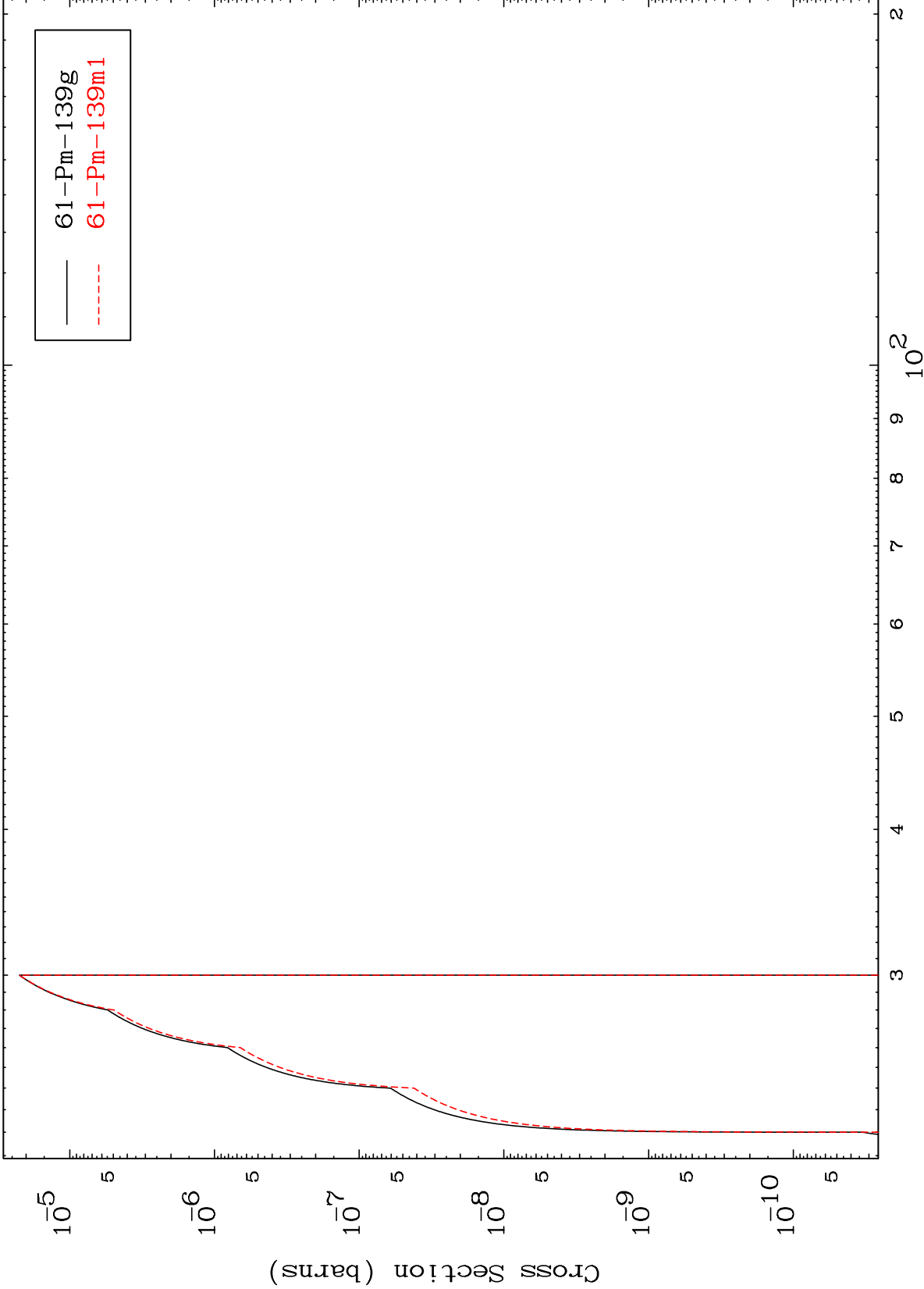


MAT 6019

(n,2n) d

60-Nd-140

Radionuclide Production Cross Section



61-Pm-139g
61-Pm-139m1

12

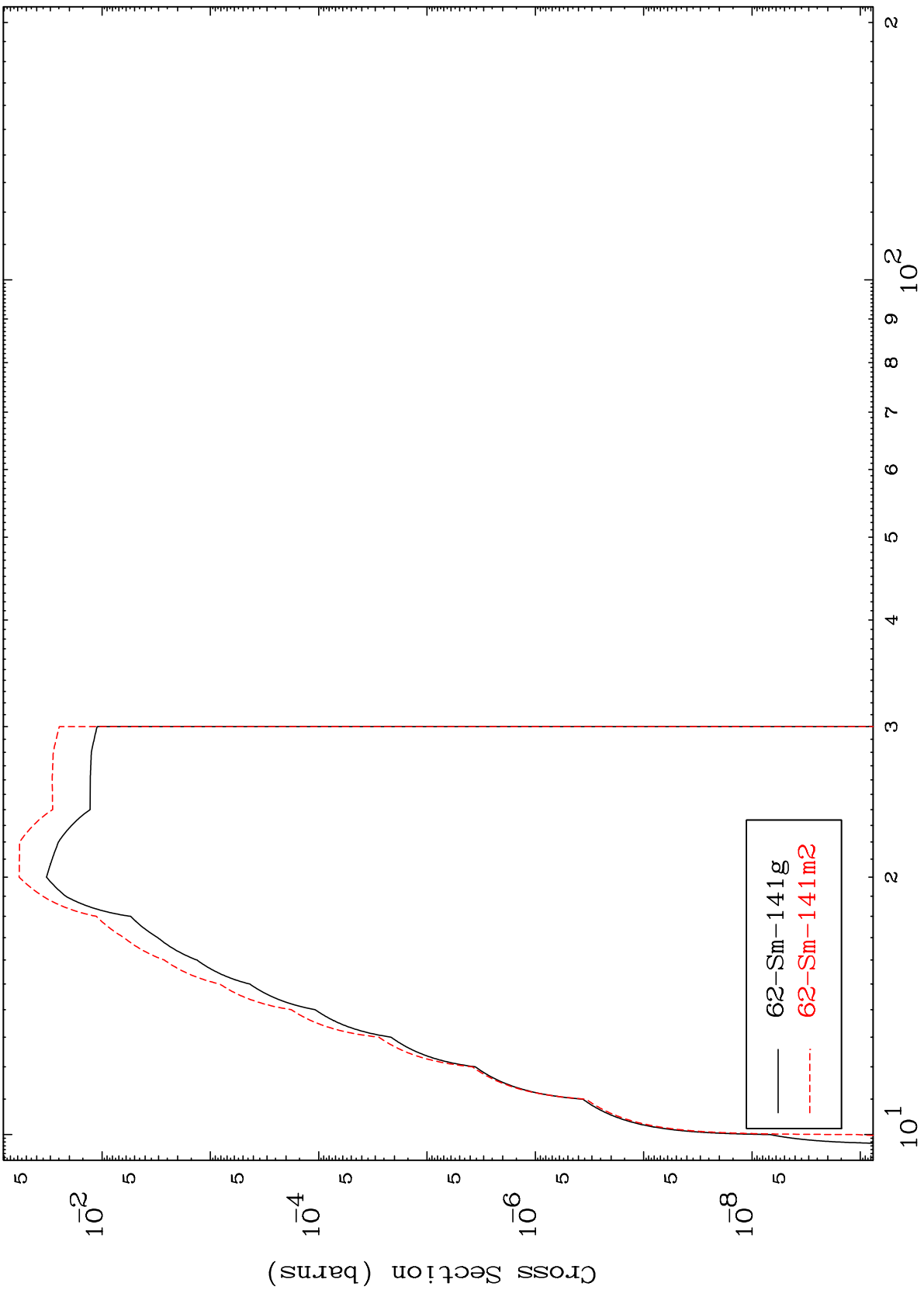
Incident Energy (MeV)

60-Nd-140

MAT 6019

60-Nd-140

(n,2n)
Radionuclide Production Cross Section



60-Nd-140

Incident Energy (MeV)

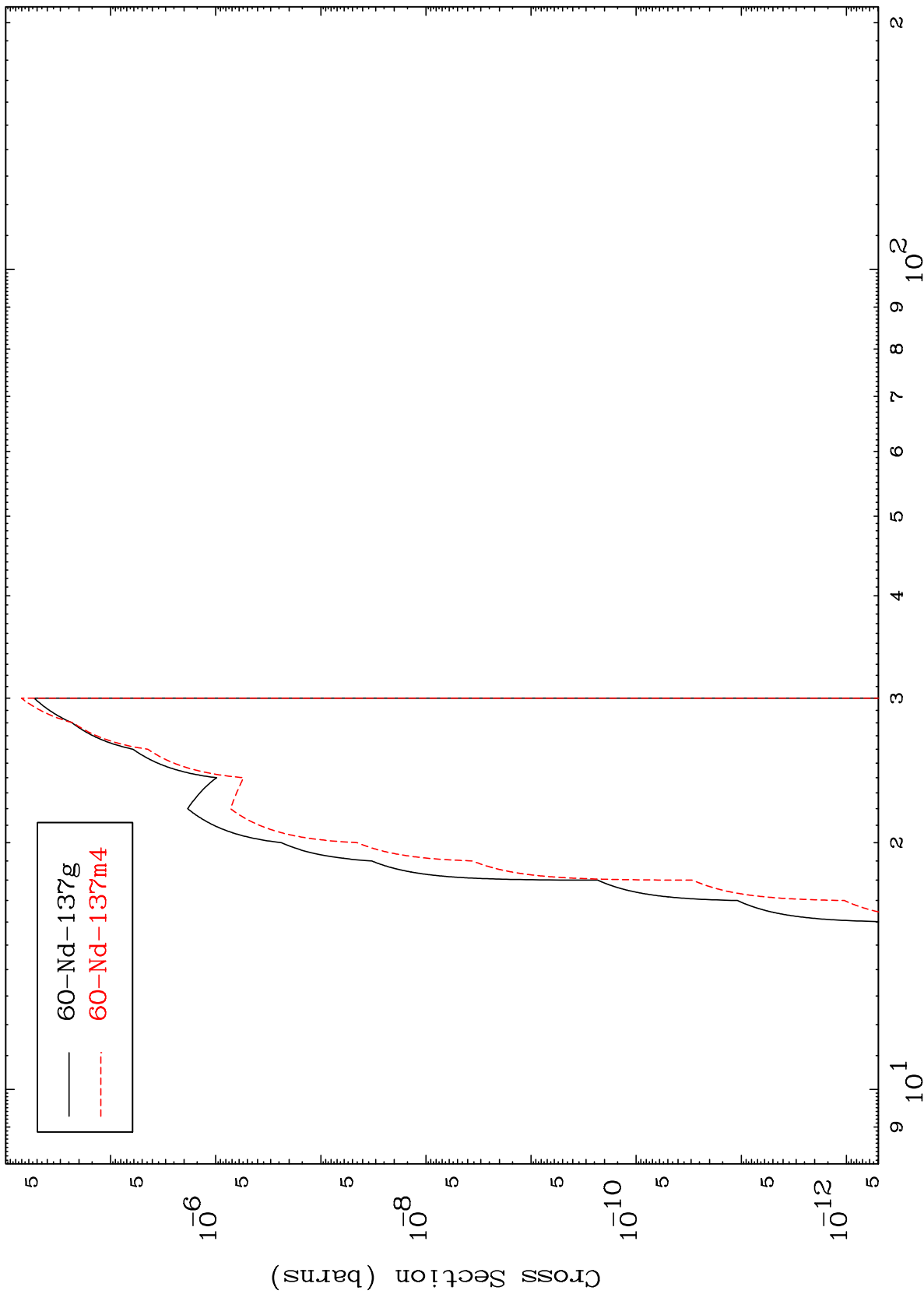
13

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$(n,2n) \alpha$

$^{60}\text{Nd}-140$

Radionuclide Production Cross Section



Legend:
— $^{60}\text{Nd}-137g$
- - - $^{60}\text{Nd}-137m4$

14

Incident Energy (MeV)

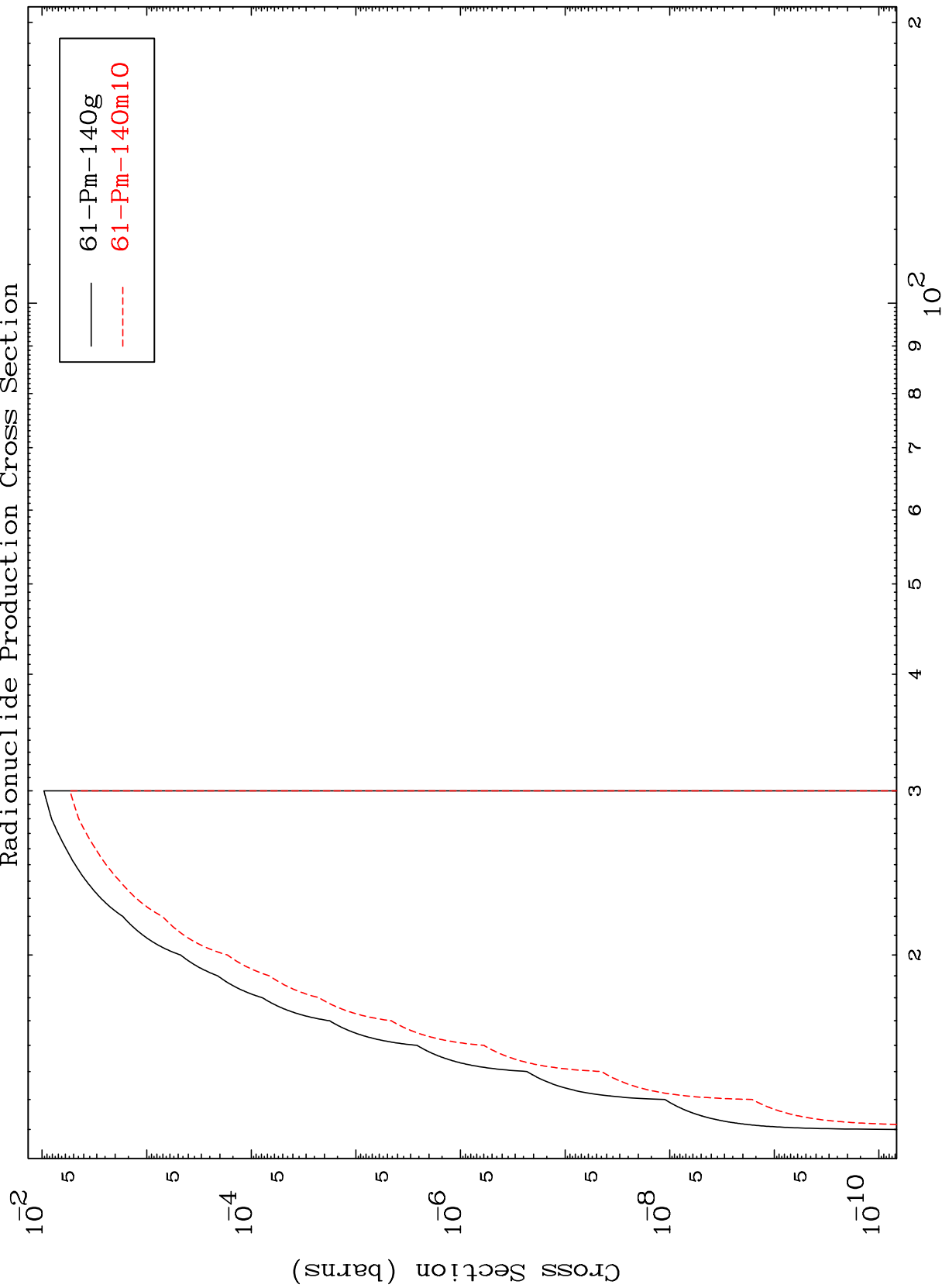
$^{60}\text{Nd}-140$

MAT 6019

(n,n') d

60-Nd-140

Radionuclide Production Cross Section



15

Incident Energy (MeV)

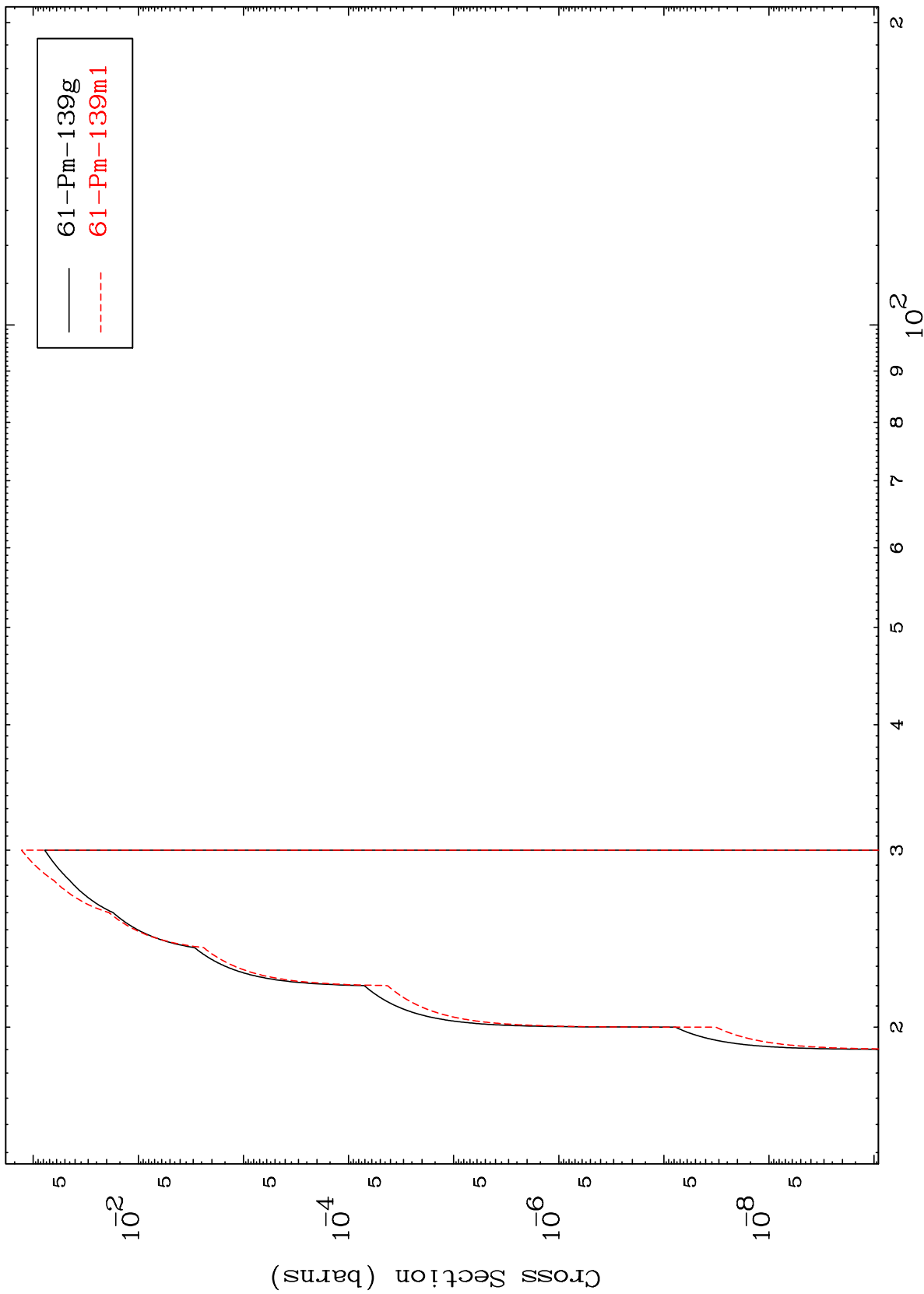
60-Nd-140

MAT 6019

(n,n') t

60-Nd-140

Radionuclide Production Cross Section



16

Incident Energy (MeV)

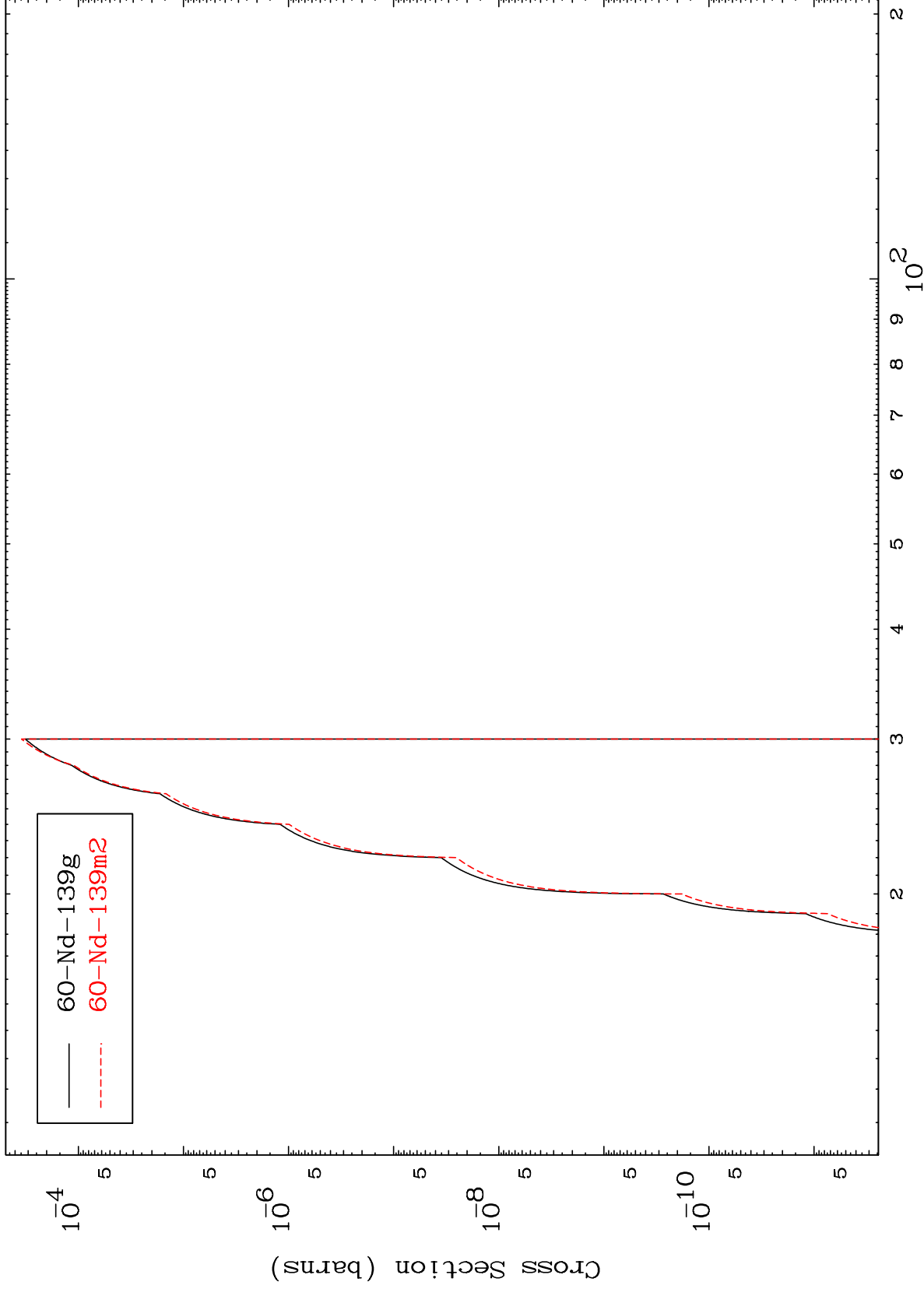
60-Nd-140

MAT 6019

(n,n') He-3

60-Nd-140

Radionuclide Production Cross Section



17

Incident Energy (MeV)

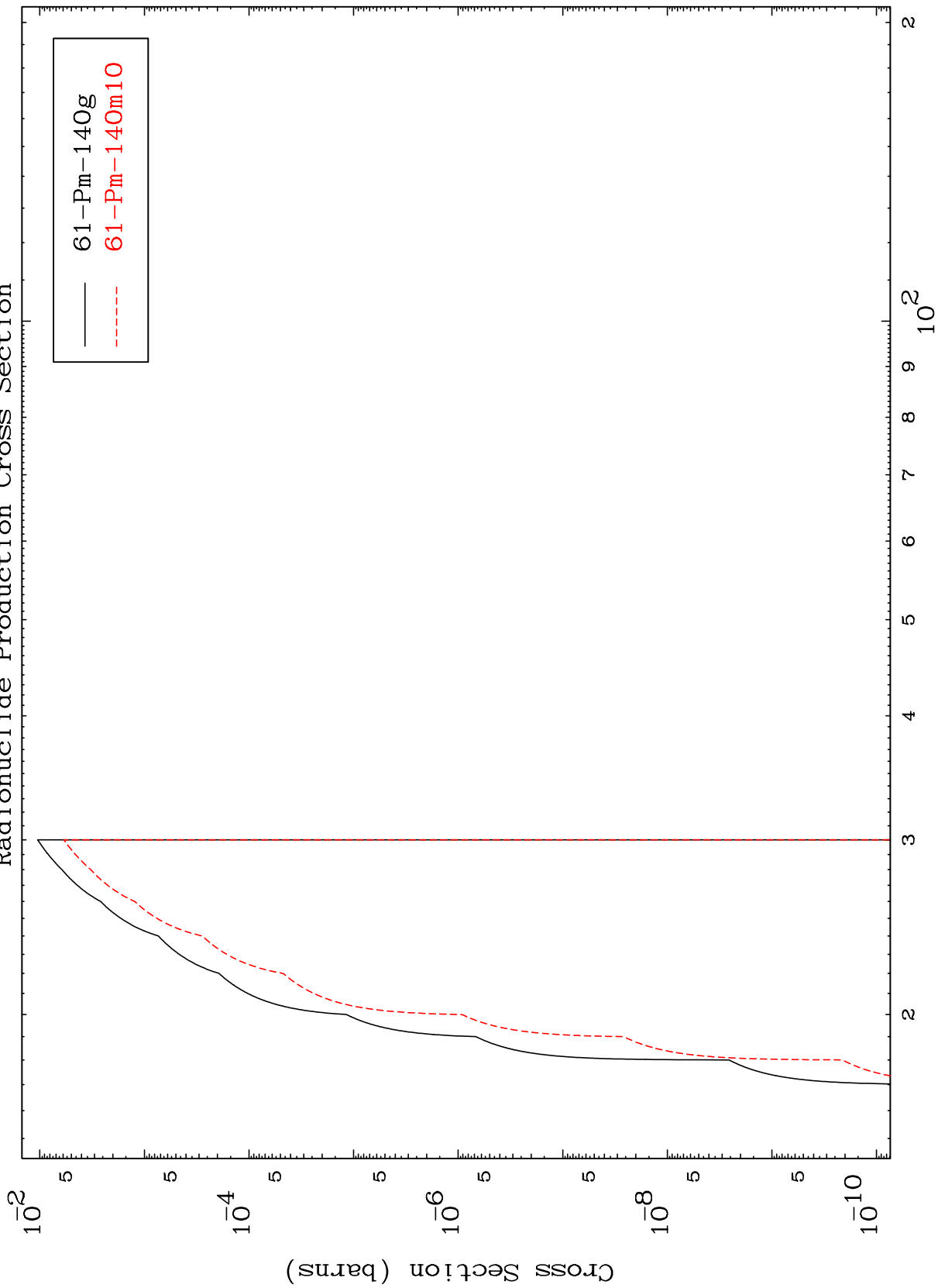
60-Nd-140

MAT 6019

(n,2n) p

60-Nd-140

Radionuclide Production Cross Section



18

Incident Energy (MeV)

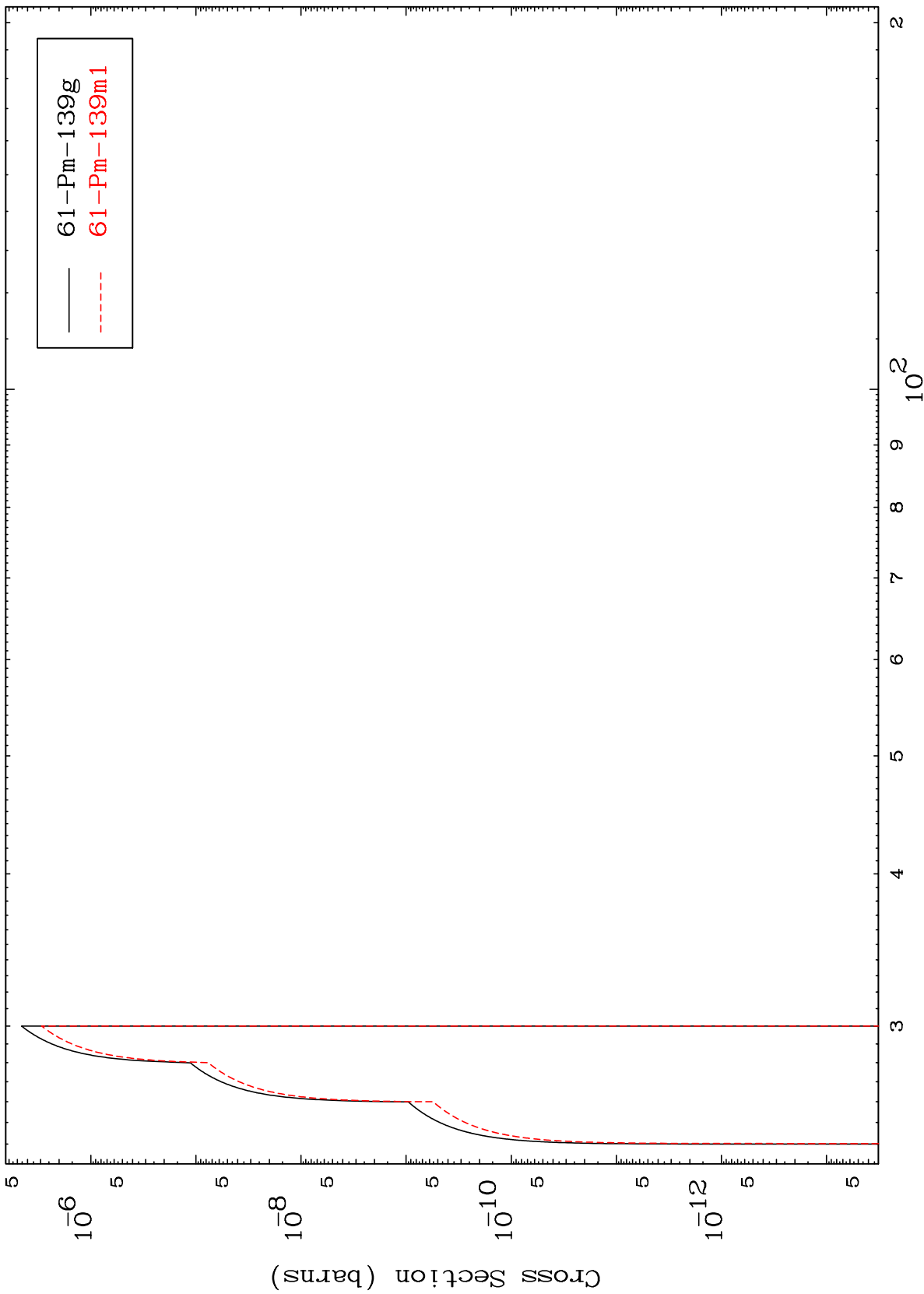
60-Nd-140

MAT 6019

(n,3n) p

60-Nd-140

Radionuclide Production Cross Section



19

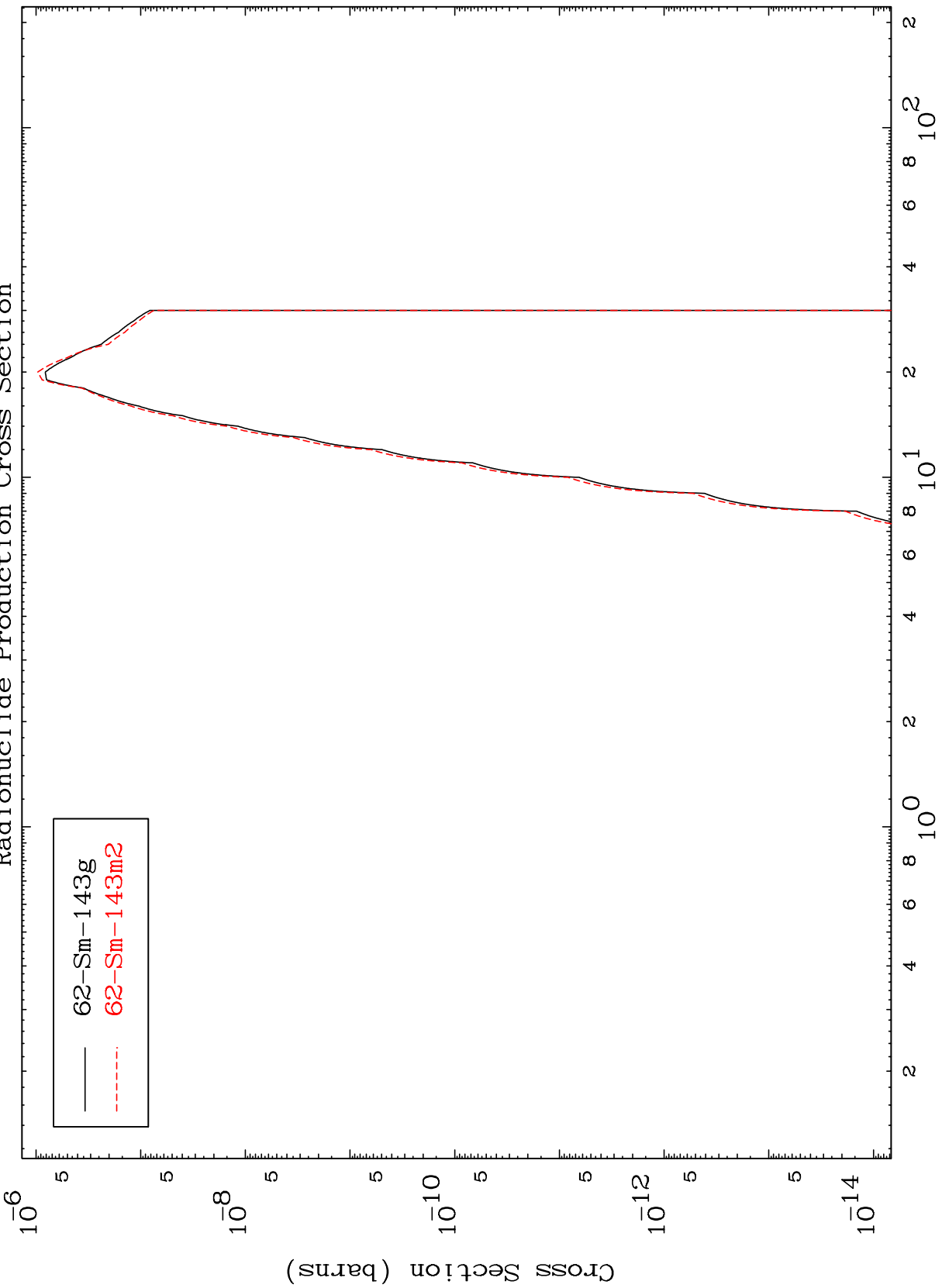
Incident Energy (MeV)

60-Nd-140

MAT 6019

60-Nd-140

Radionuclide Production Cross Section



20

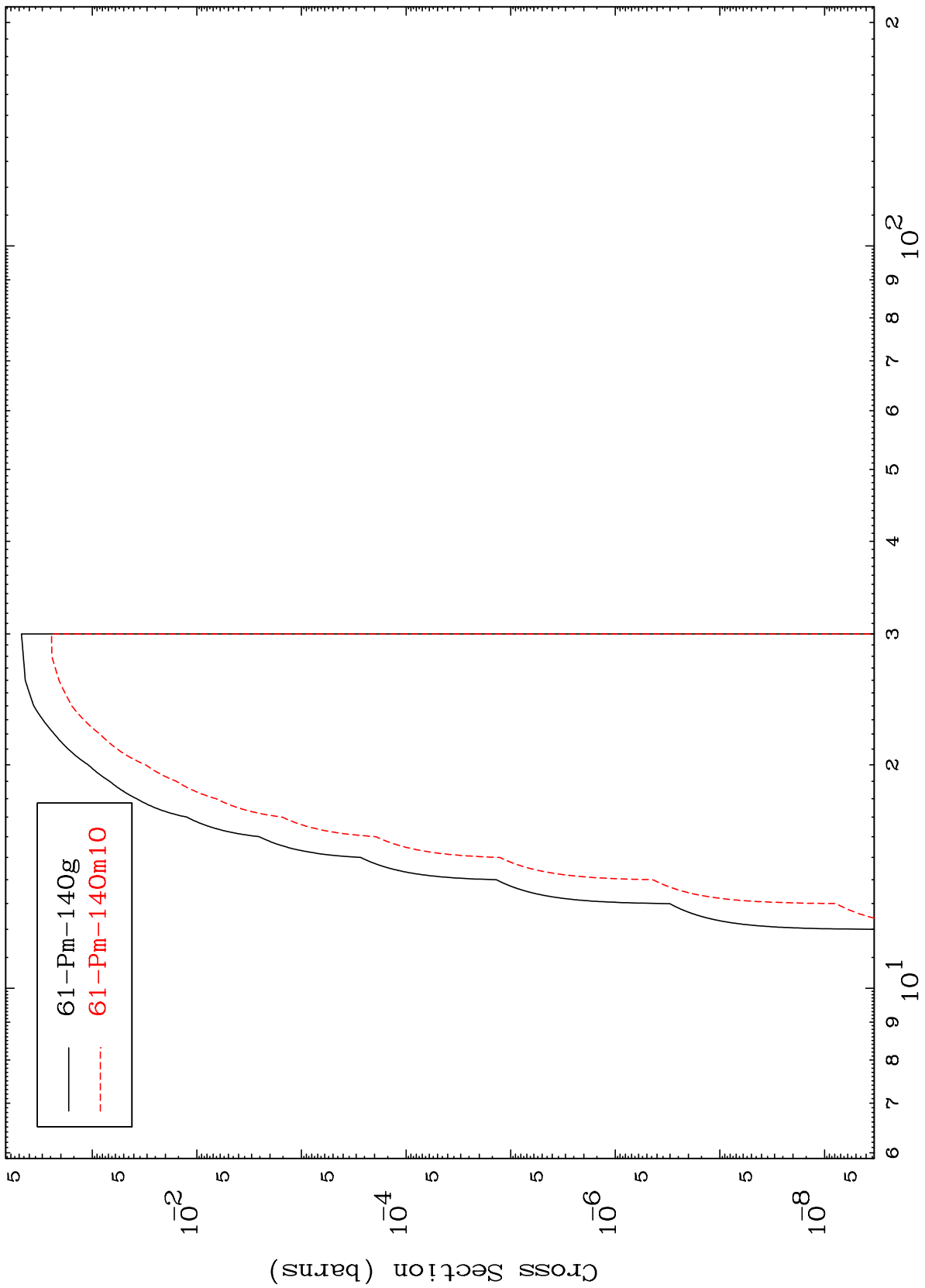
Incident Energy (MeV)

60-Nd-140

MAT 6019

60-Nd-140

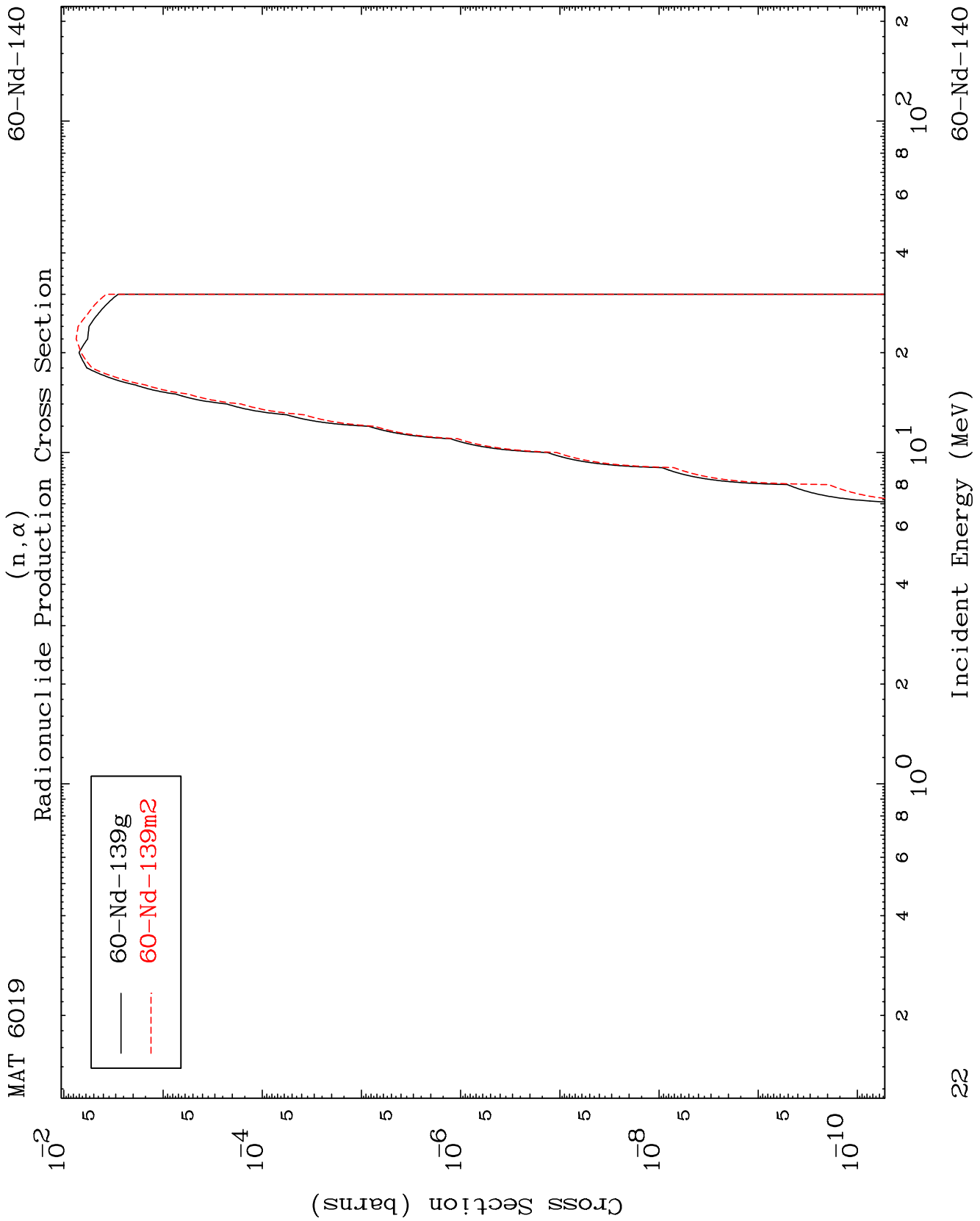
(n, t)
Radionuclide Production Cross Section



21

Incident Energy (MeV)

60-Nd-140

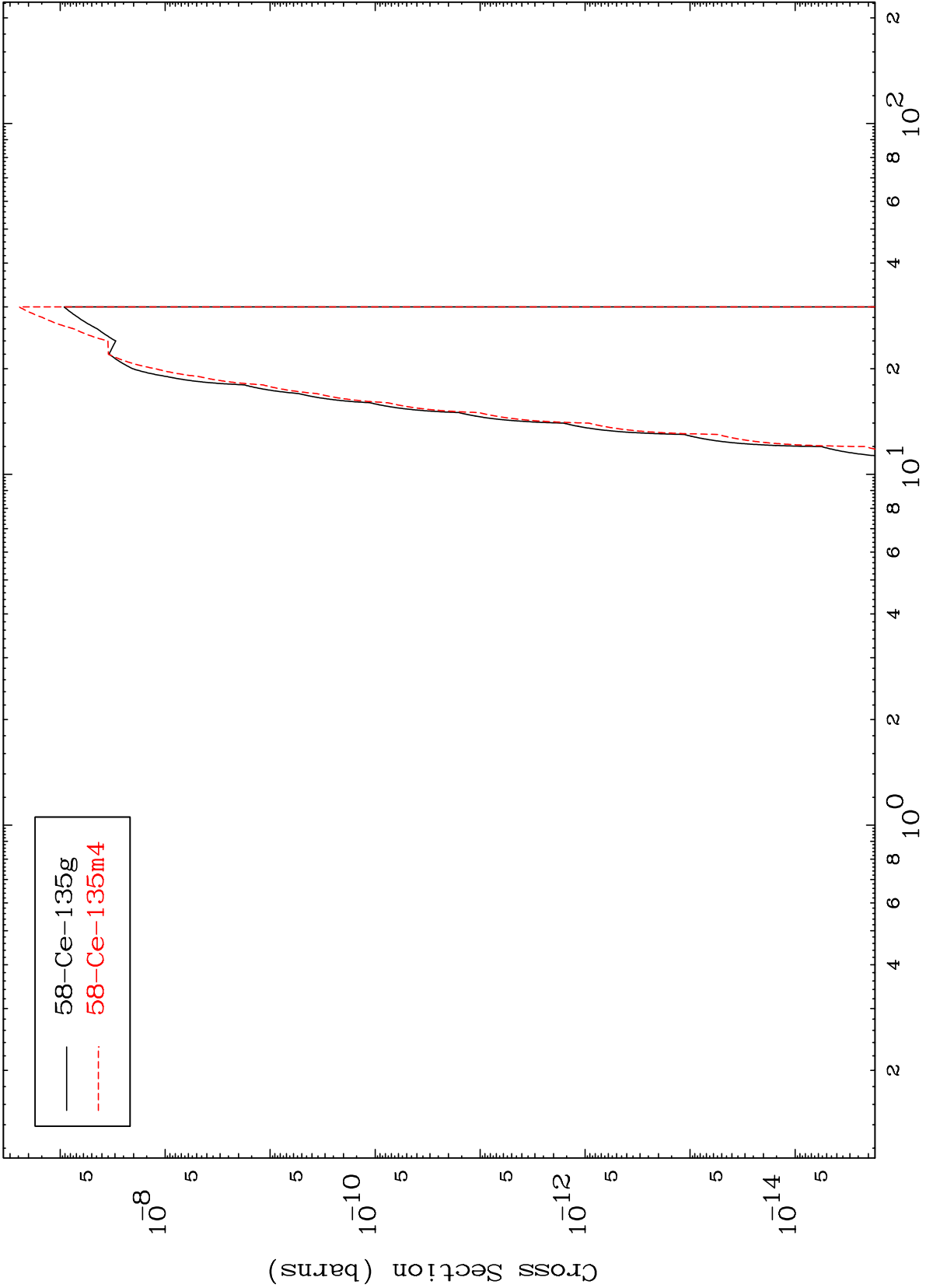


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(n,2α)

60-Nd-140

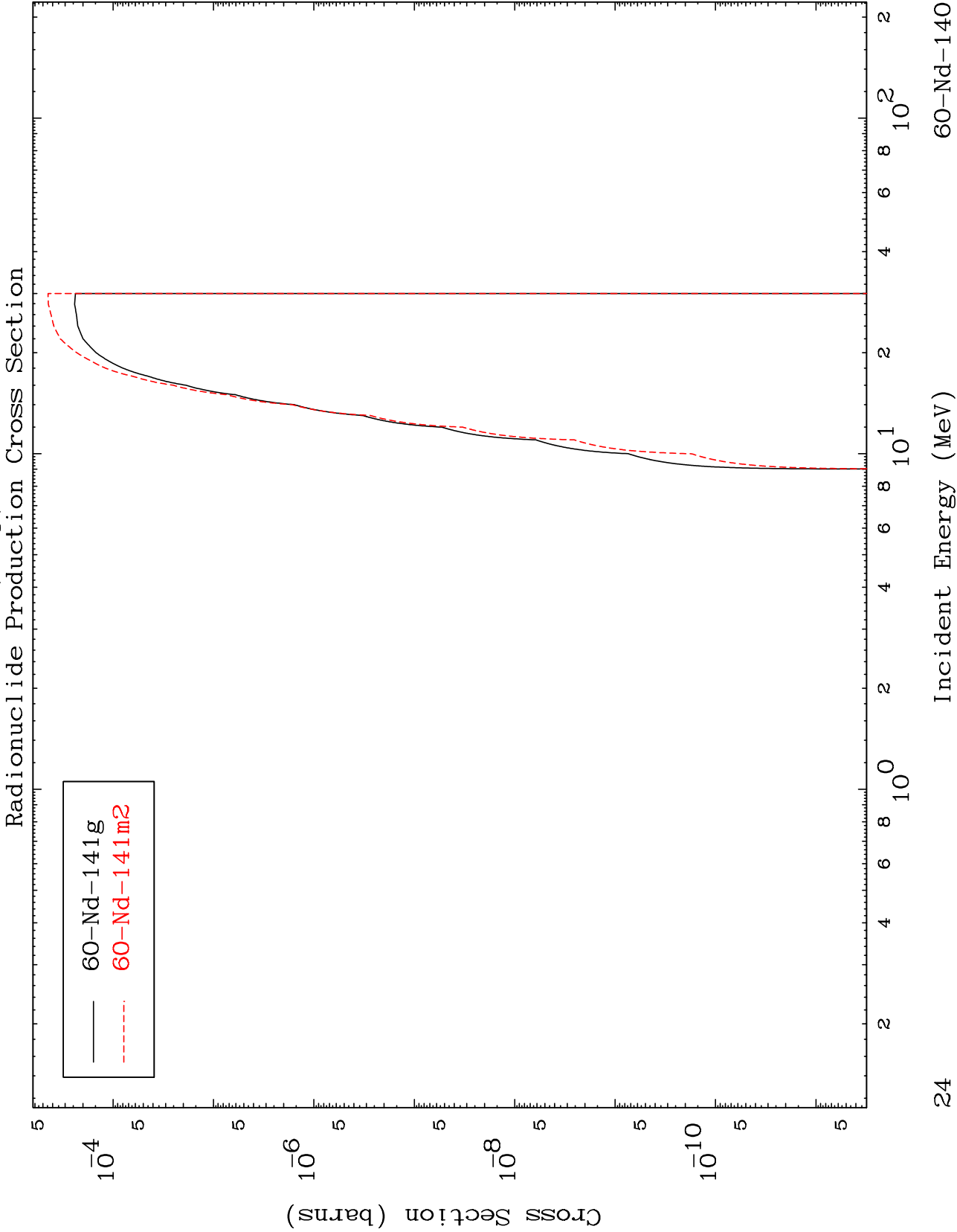
Radionuclide Production Cross Section



MAT 6019

(n,2p)

60-Nd-140

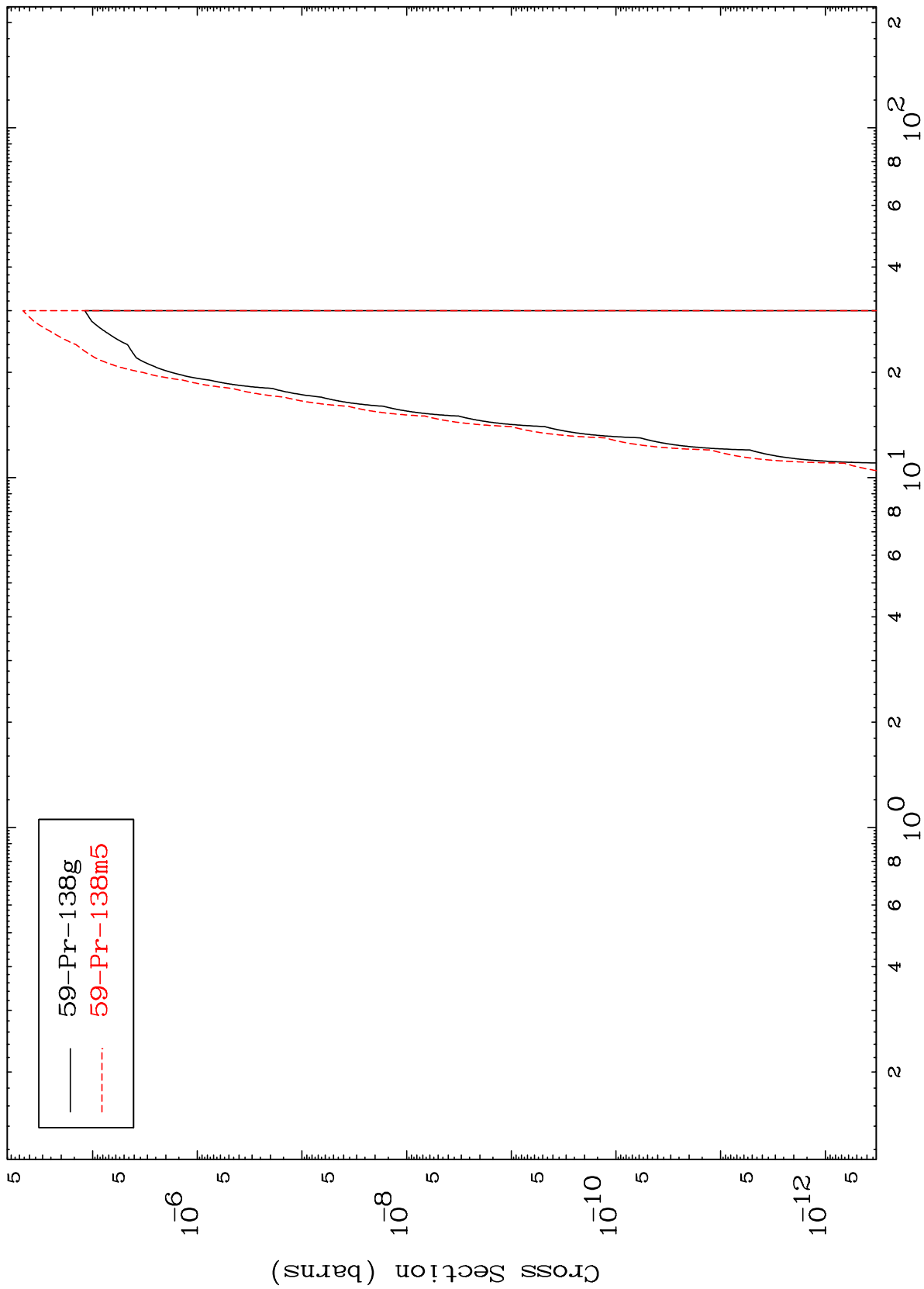


MAT 6019

(n,p) α

60-Nd-140

Radionuclide Production Cross Section



25

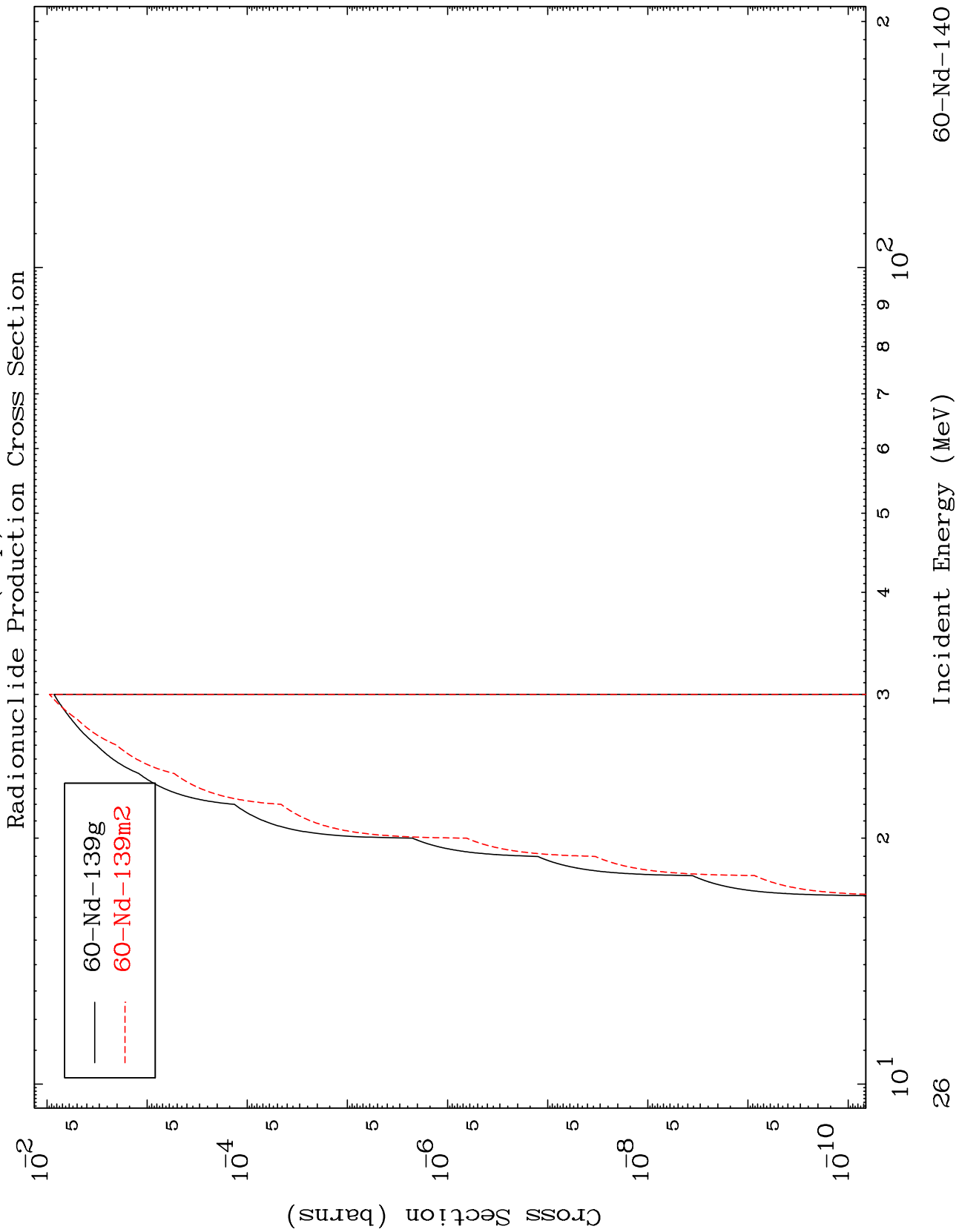
Incident Energy (MeV)

60-Nd-140

MAT 6019

(n,p) t

60-Nd-140



26

Incident Energy (MeV)

60-Nd-140