

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

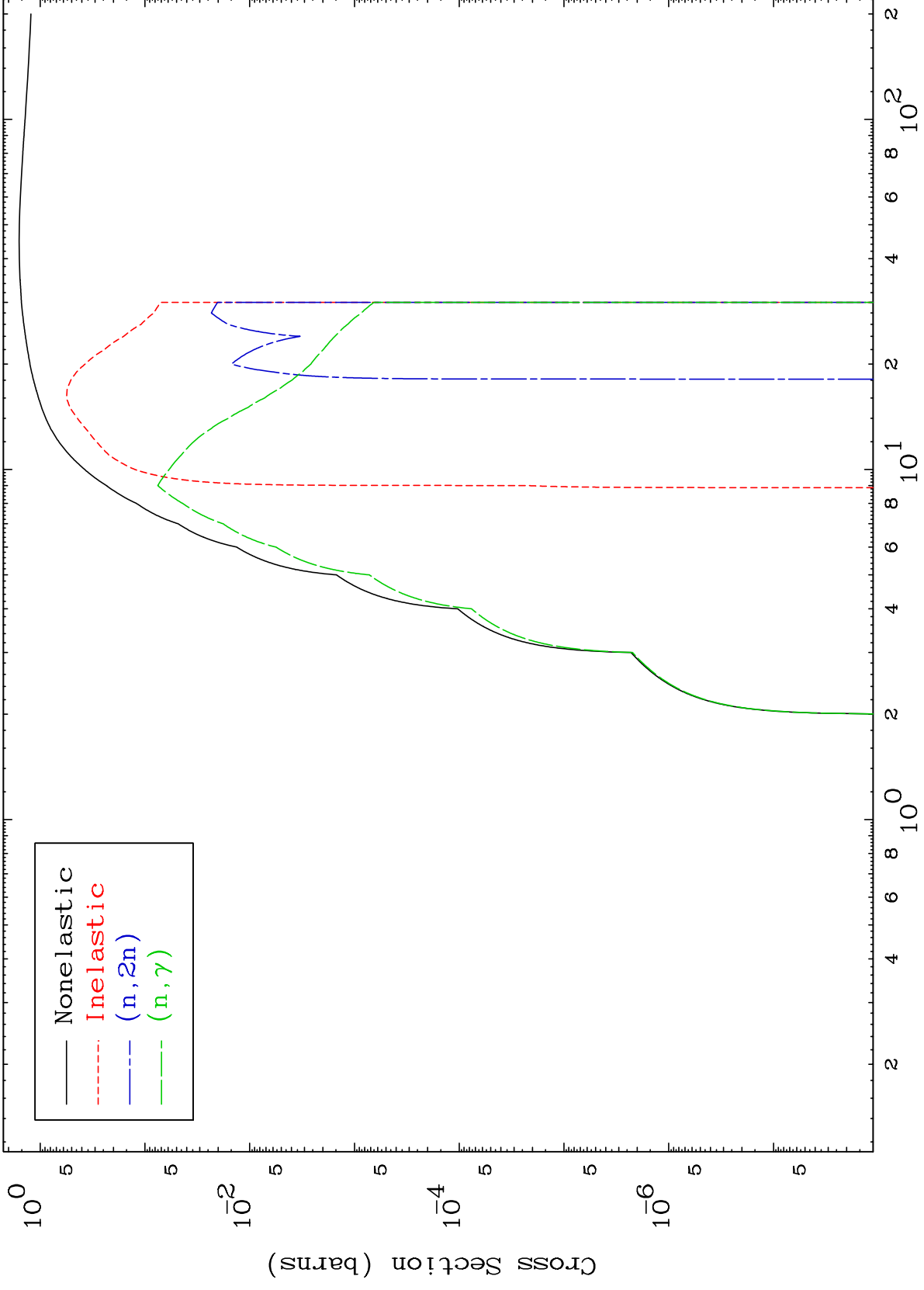
Press Mouse Button to Start

MAT 6007

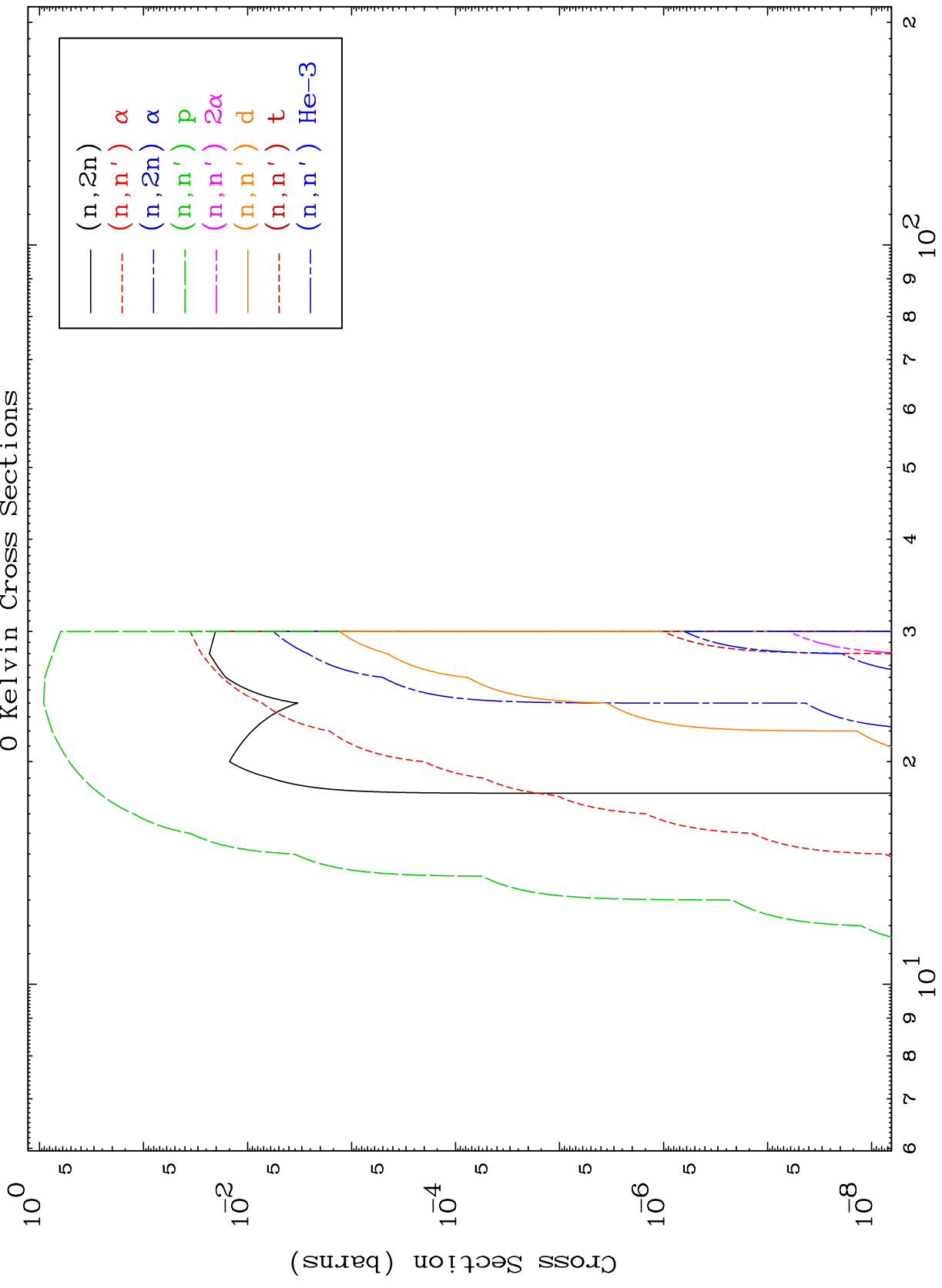
Proton Major

60-Nd-136

0 Kelvin Cross Sections



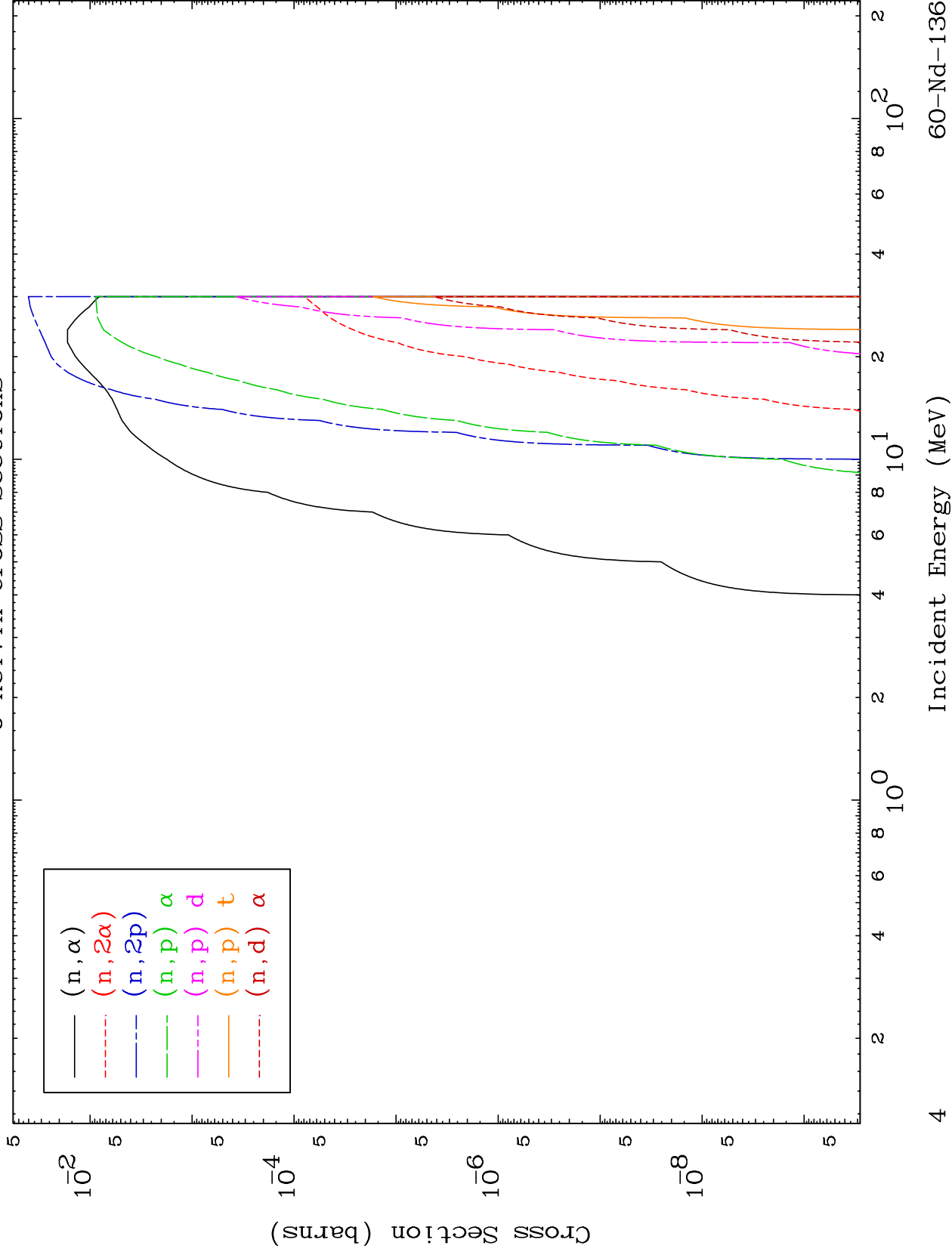
Legend:
— Nonelastic
- - - Inelastic
- - - (n, 2n)
- - - (n, γ)



MAT 6007

Proton Neutron Absorption
0 Kelvin Cross Sections

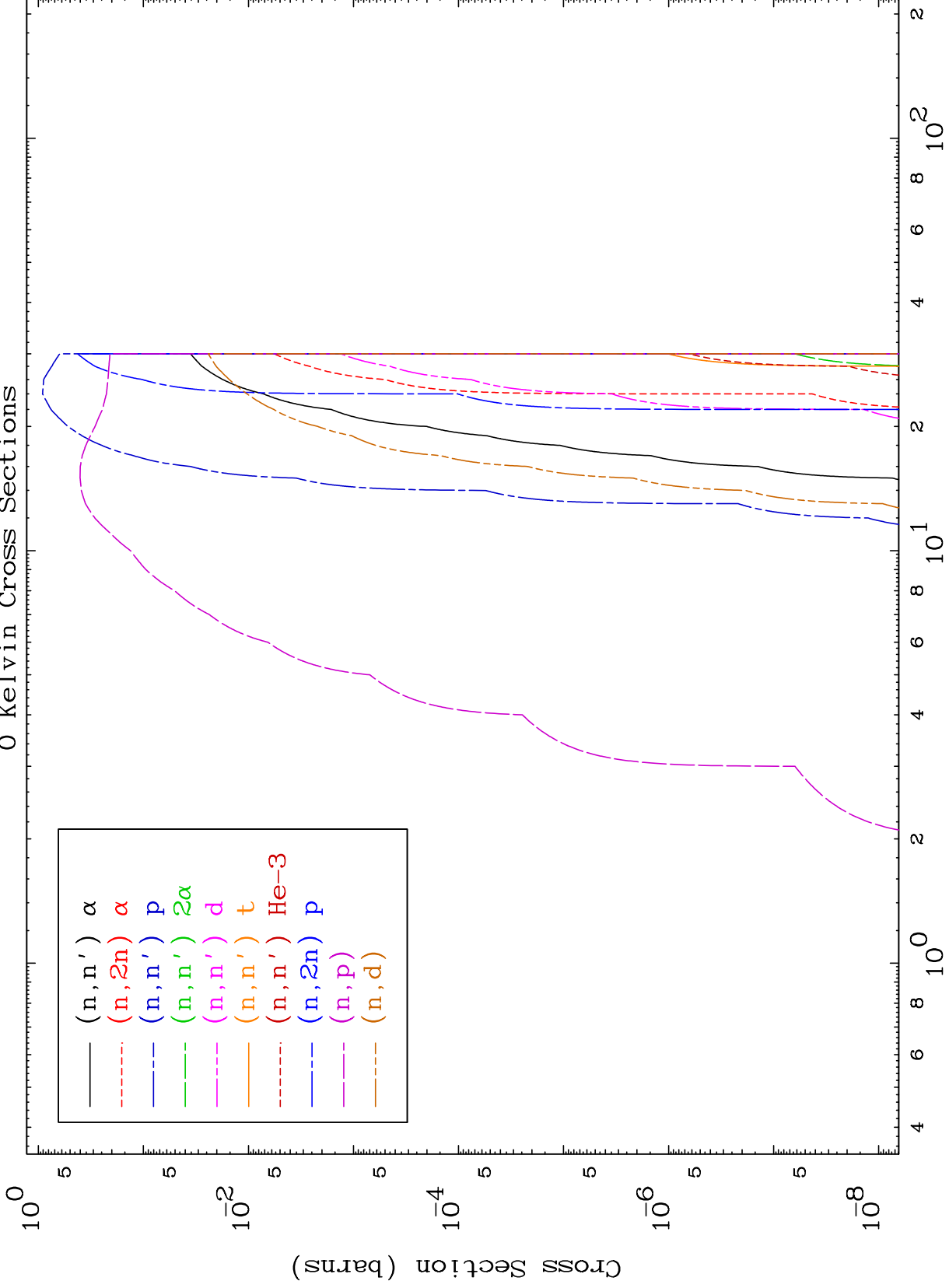
60-Nd-136



MAT 6007

Proton Charged Particle
0 Kelvin Cross Sections

60-Nd-136



5

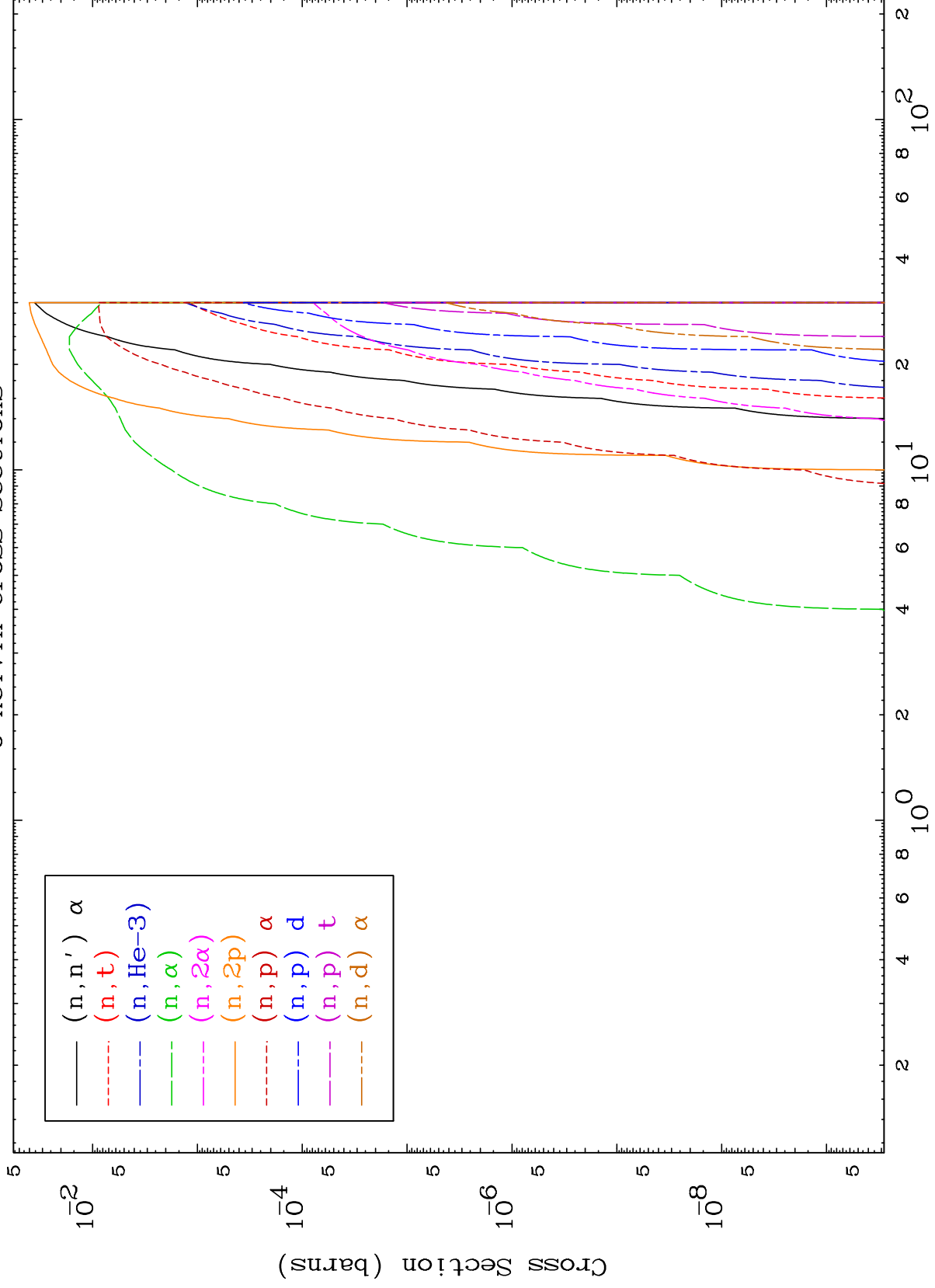
Incident Energy (MeV)

60-Nd-136

MAT 6007

Proton Charged Particle
0 Kelvin Cross Sections

60-Nd-136

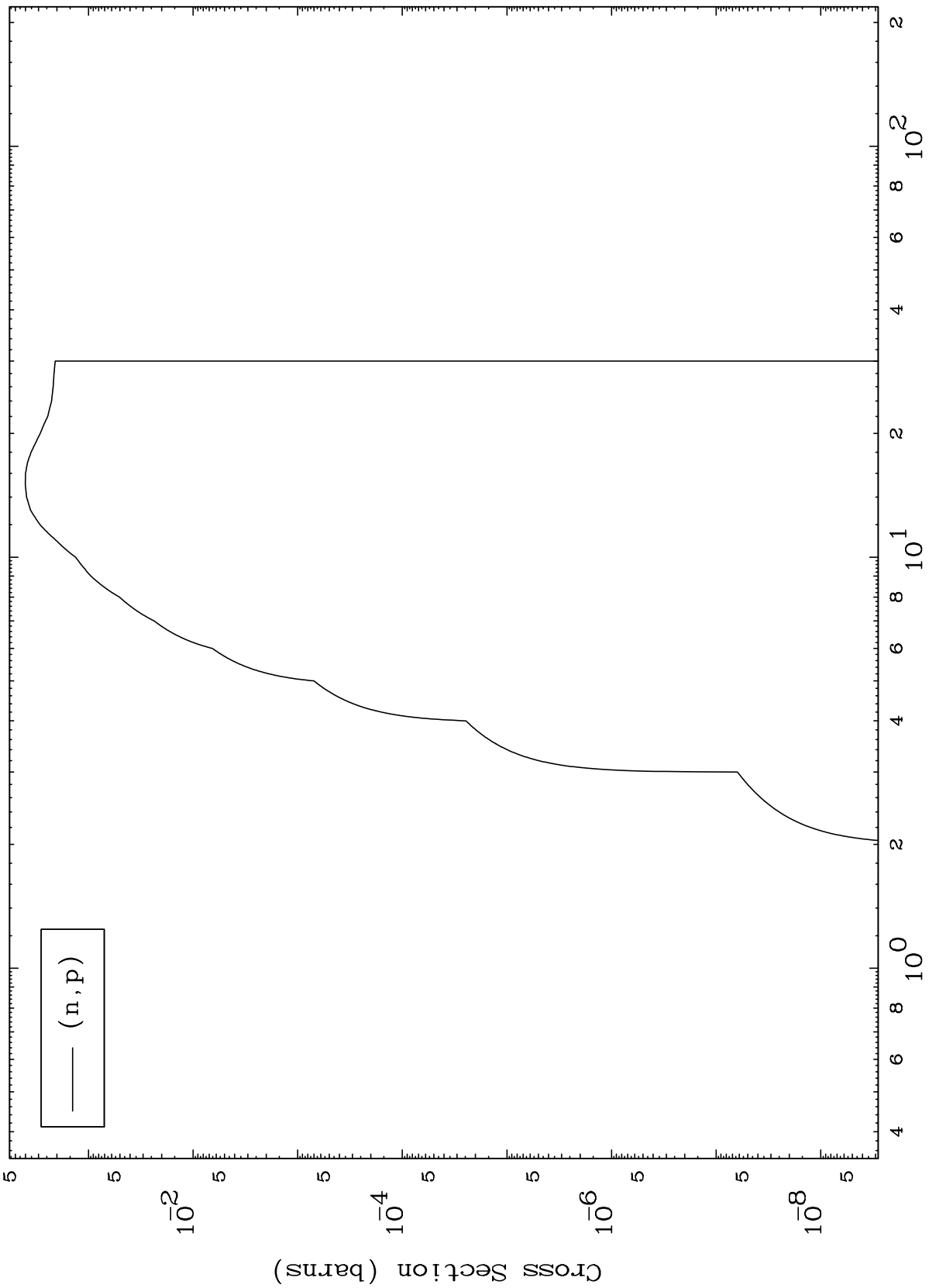


MAT 6007

(p,p) Levels

60-Nd-136

0 Kelvin Cross Sections



(n,p)

Incident Energy (MeV)

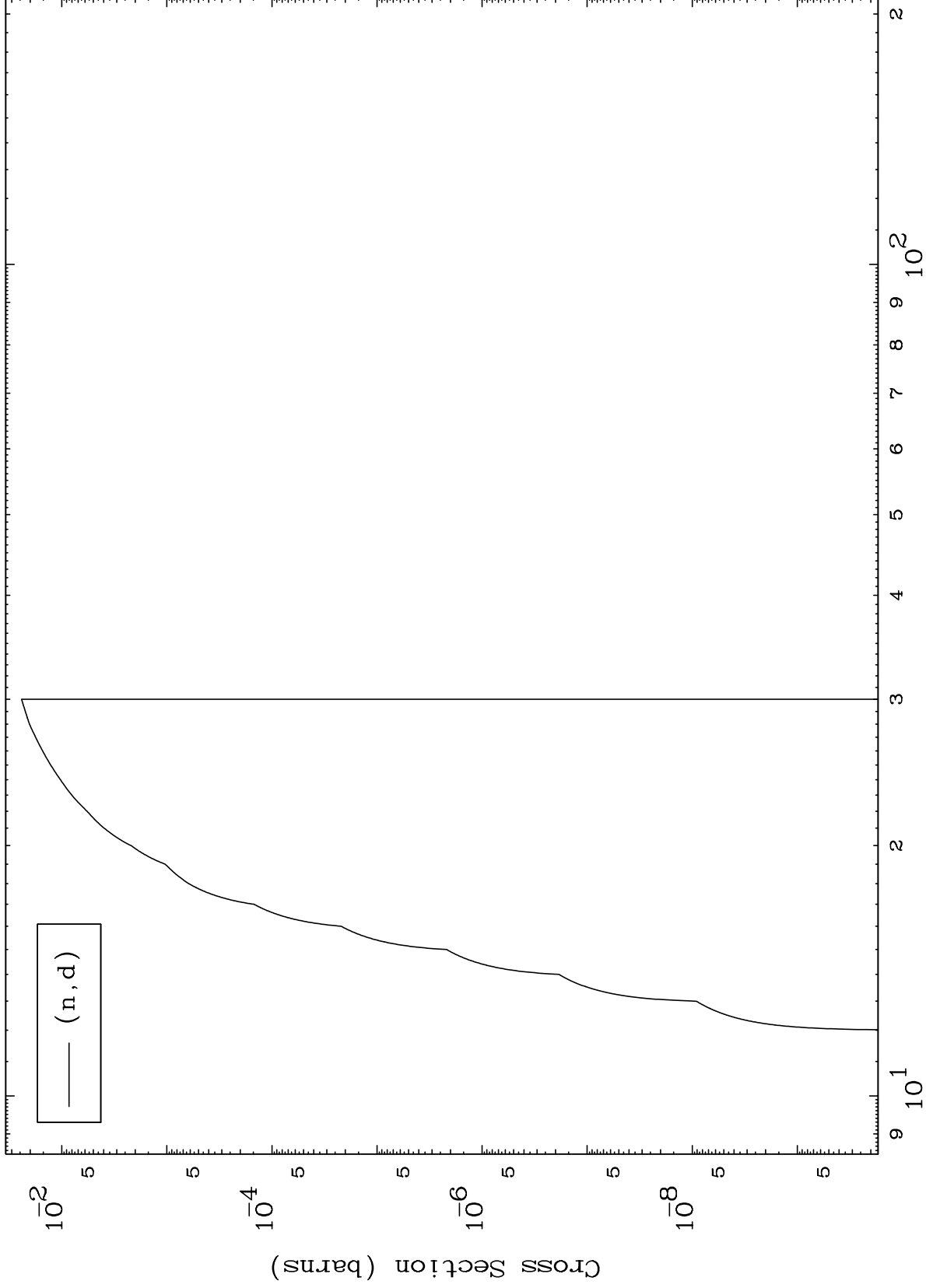
60-Nd-136

7

MAT 6007

(p,d) Levels
0 Kelvin Cross Sections

60-Nd-136



Incident Energy (MeV)

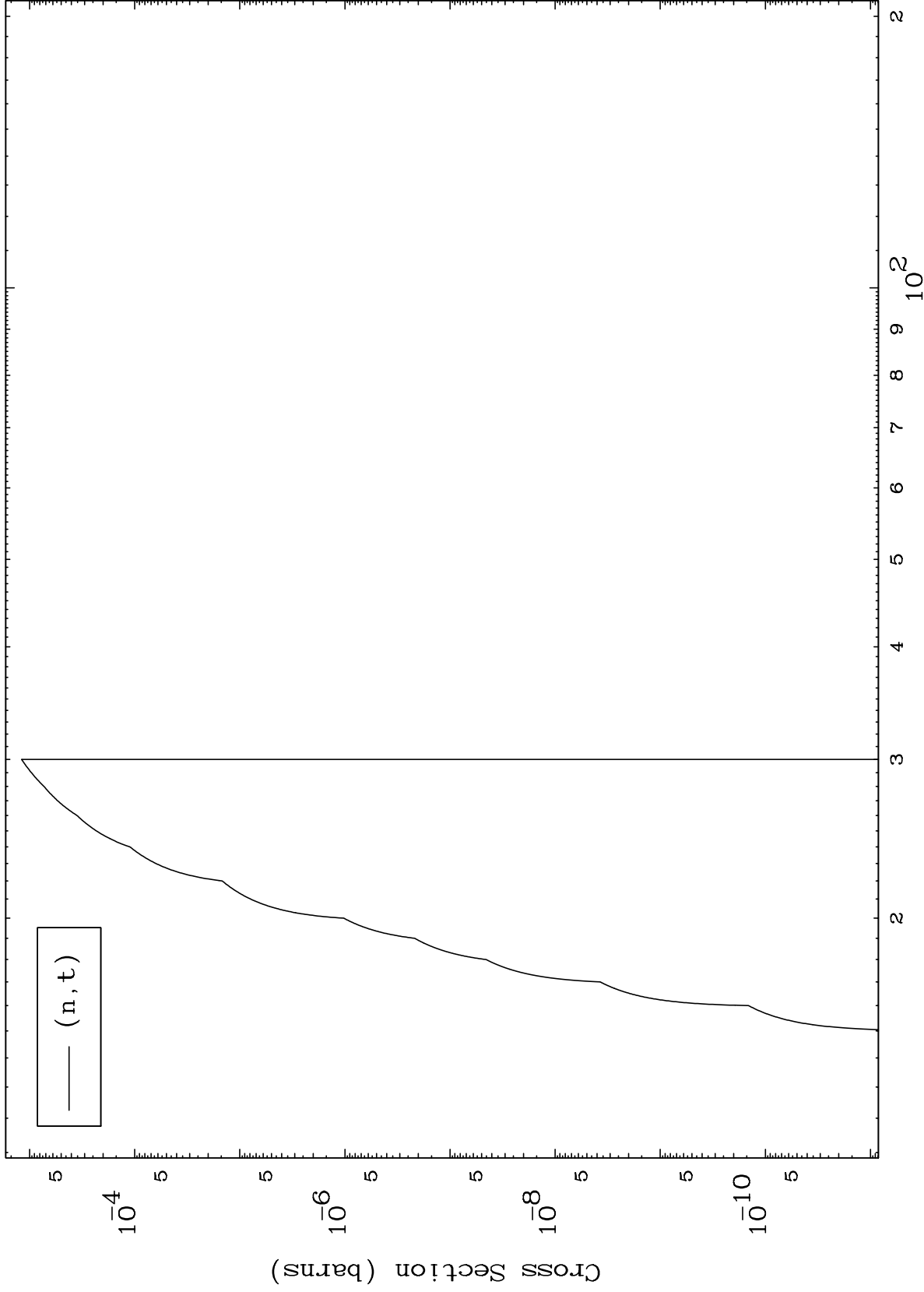
60-Nd-136

8

MAT 6007

(p,t) Levels
0 Kelvin Cross Sections

60-Nd-136



9

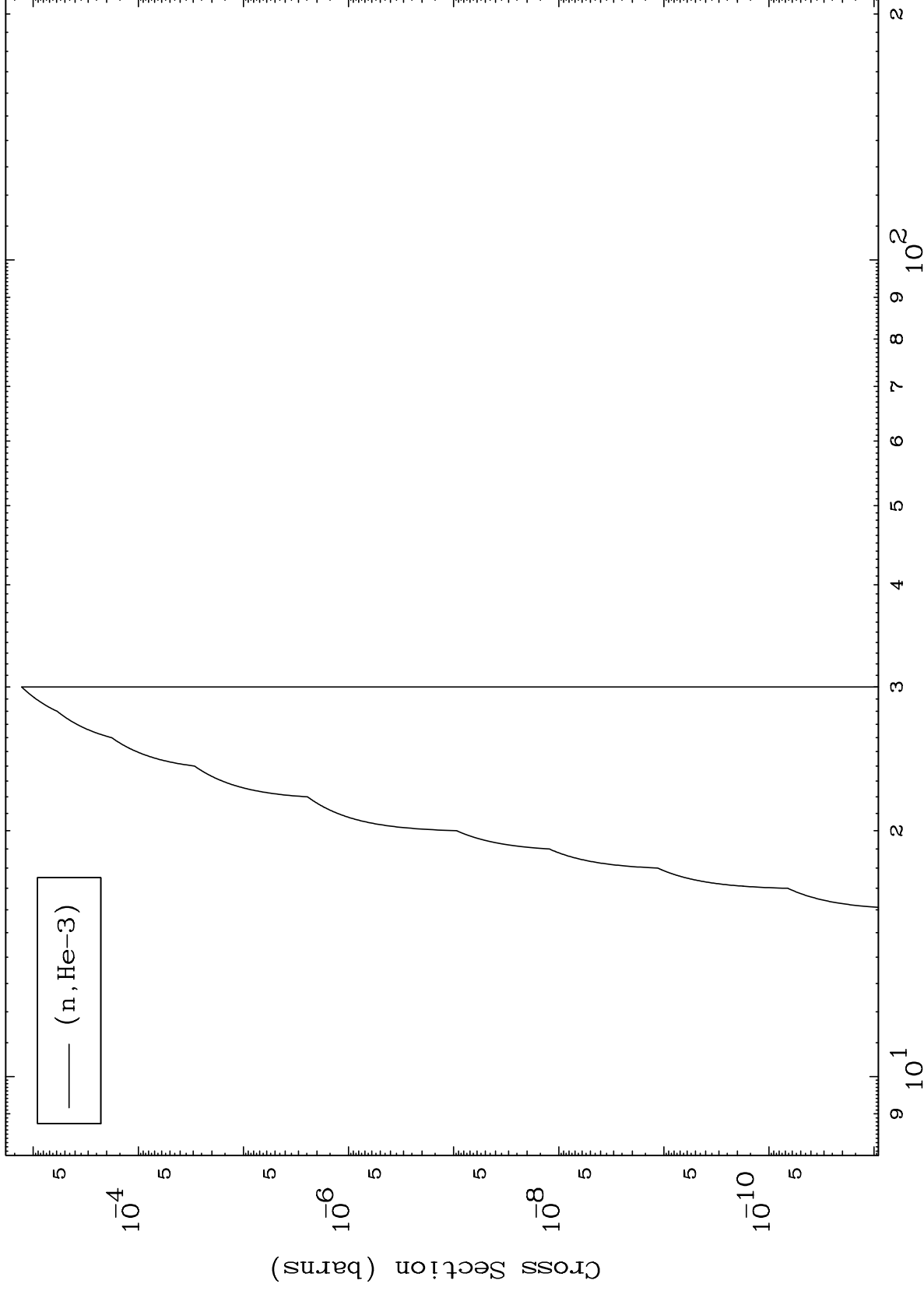
Incident Energy (MeV)

60-Nd-136

MAT 6007

(p,He3) Levels
0 Kelvin Cross Sections

60-Nd-136



10

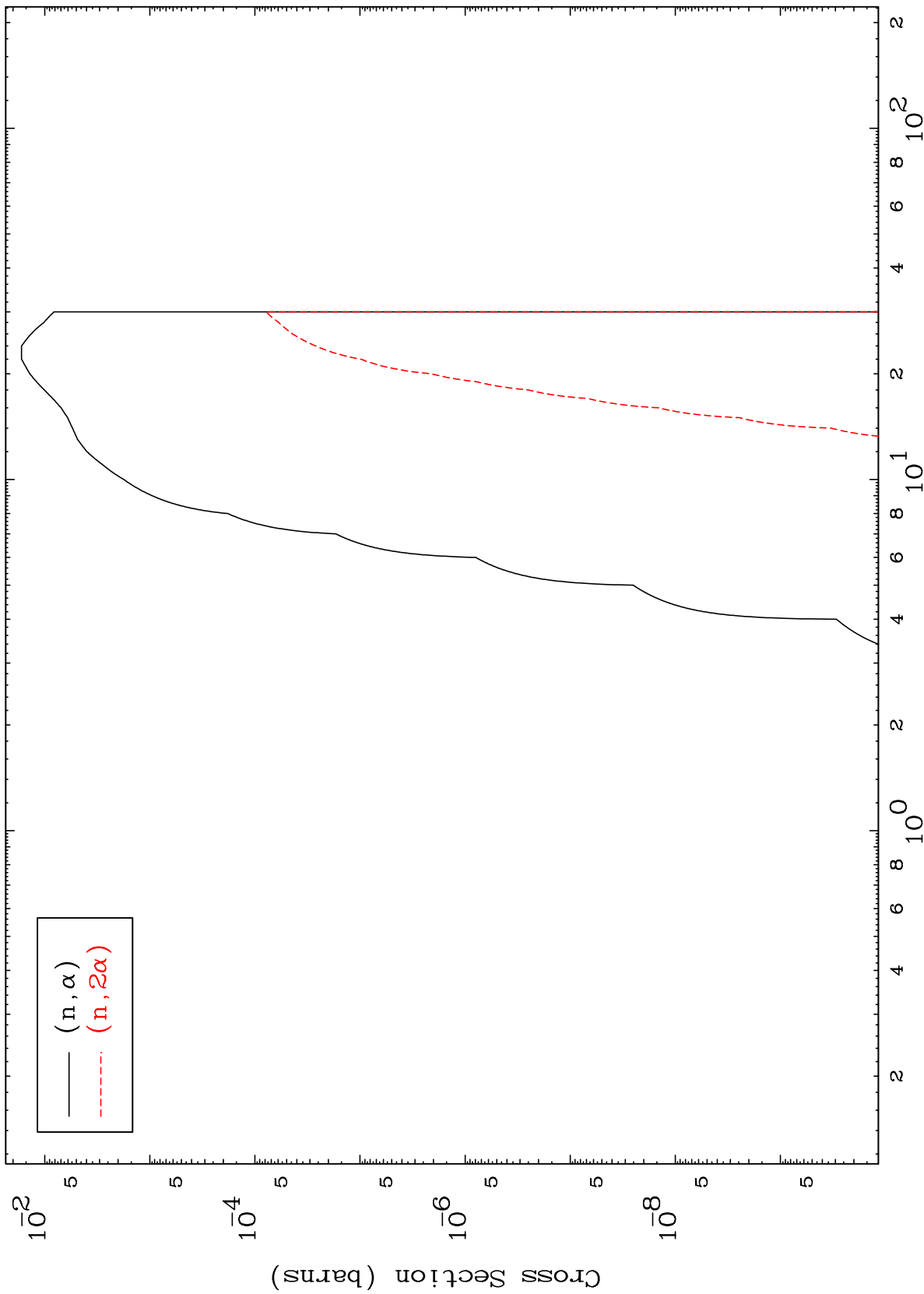
Incident Energy (MeV)

60-Nd-136

MAT 6007

60-Nd-136

(p, α) Levels
0 Kelvin Cross Sections



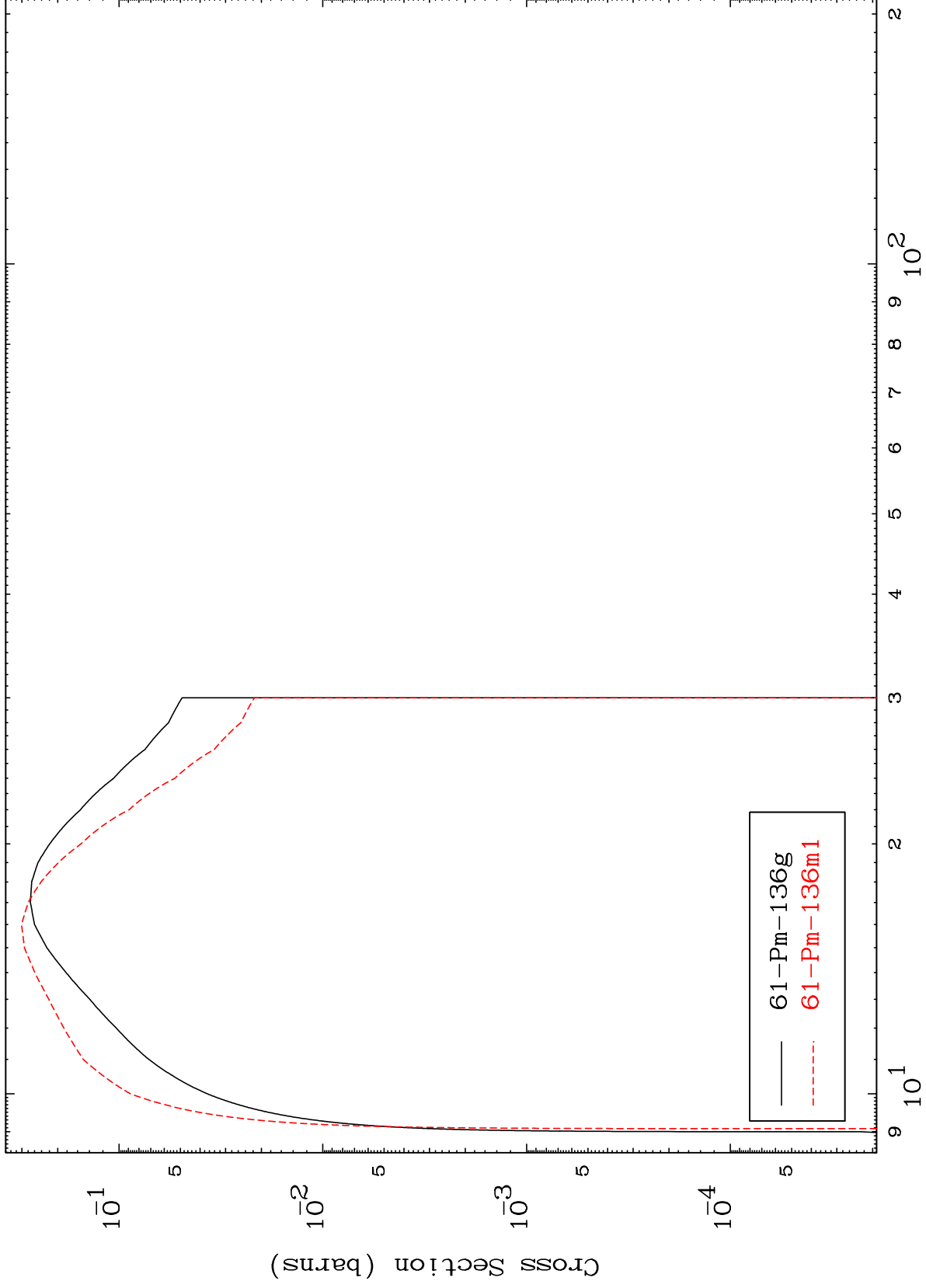
60-Nd-136

Incident Energy (MeV)

MAT 6007

Inelastic
Radionuclide Production Cross Section

60-Nd-136



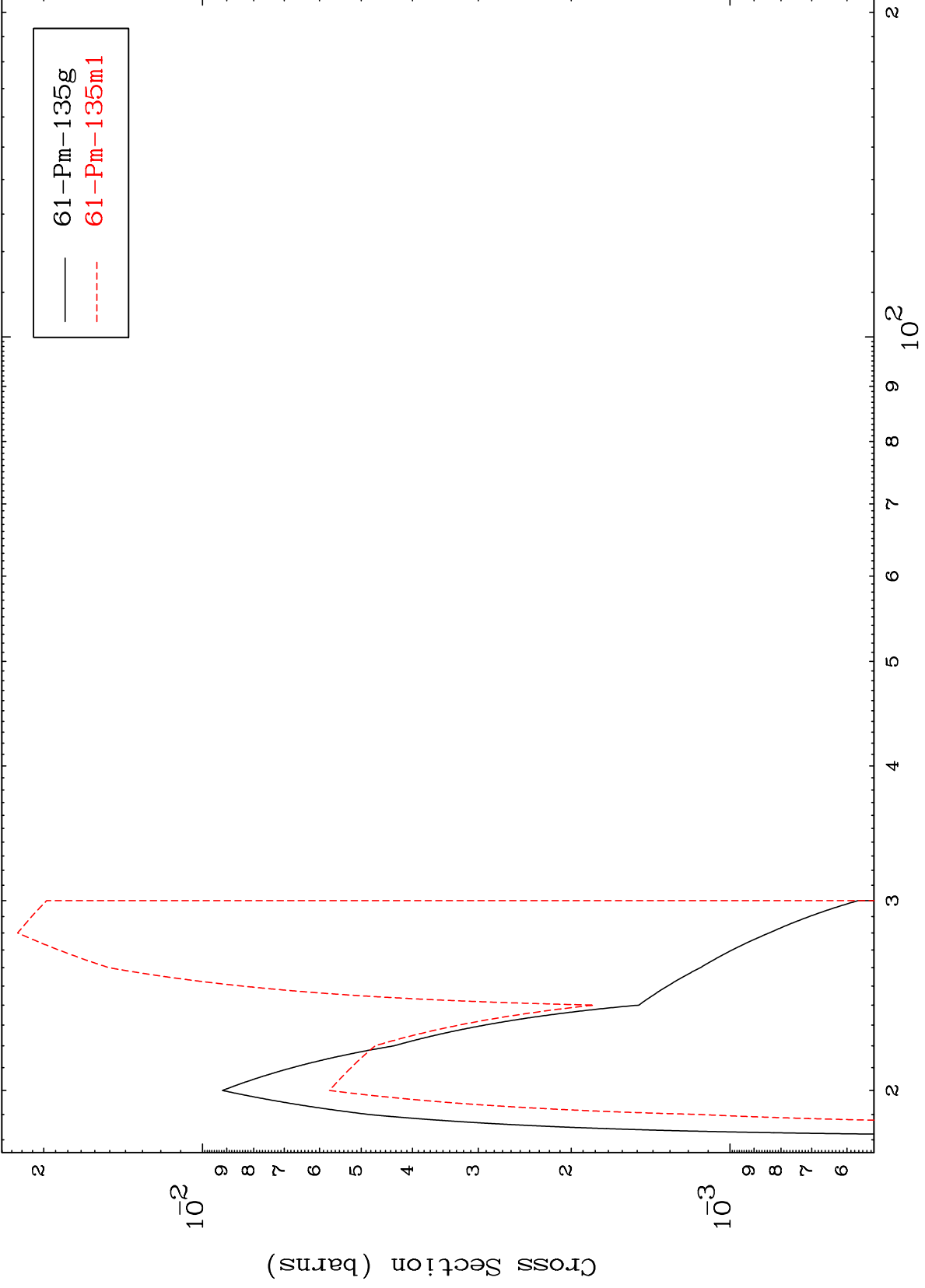
Incident Energy (MeV)

60-Nd-136

MAT 6007

60-Nd-136

(n,2n)
Radionuclide Production Cross Section



13

Incident Energy (MeV)

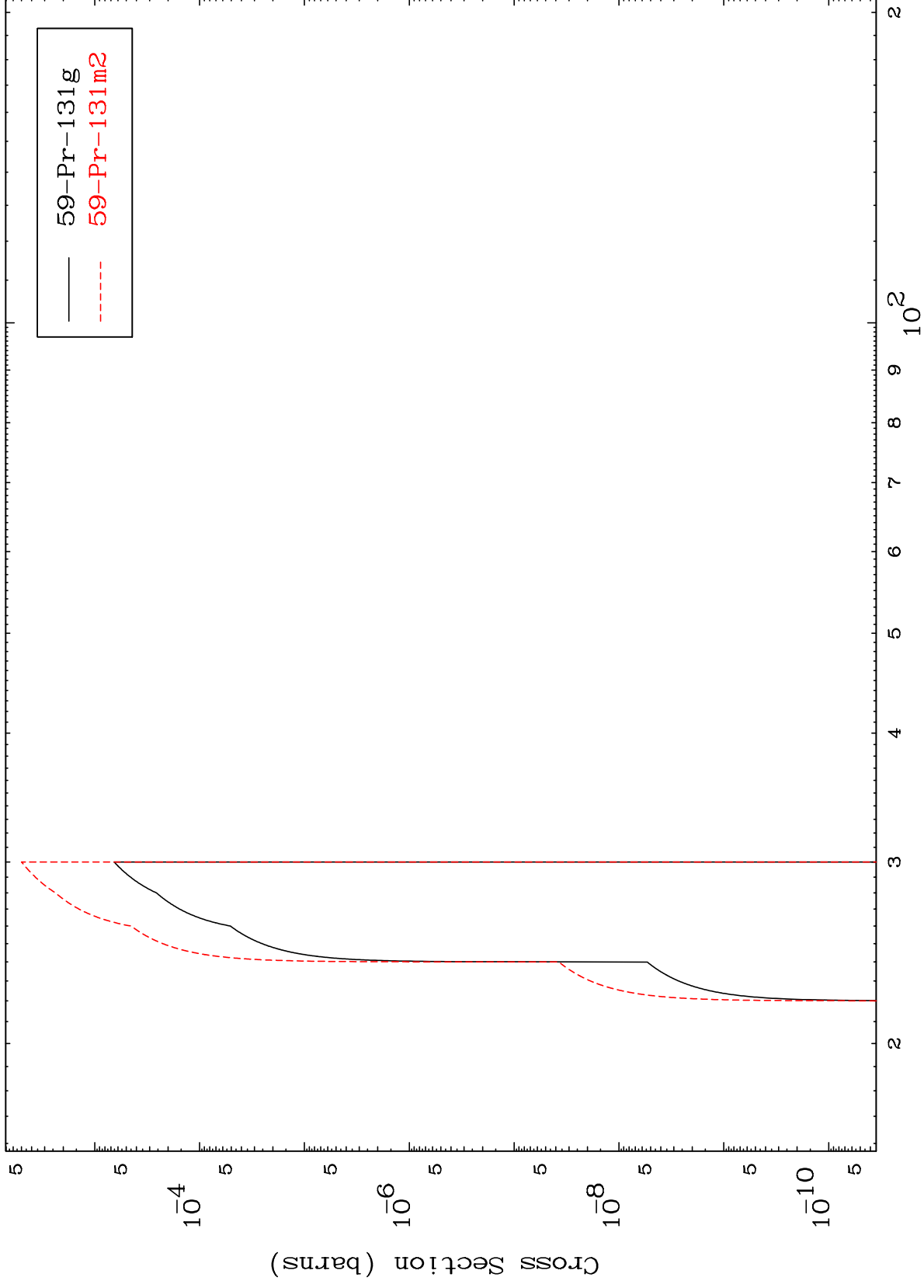
60-Nd-136

MAT 6007

$(n,2n) \alpha$

60-Nd-136

Radionuclide Production Cross Section



14

Incident Energy (MeV)

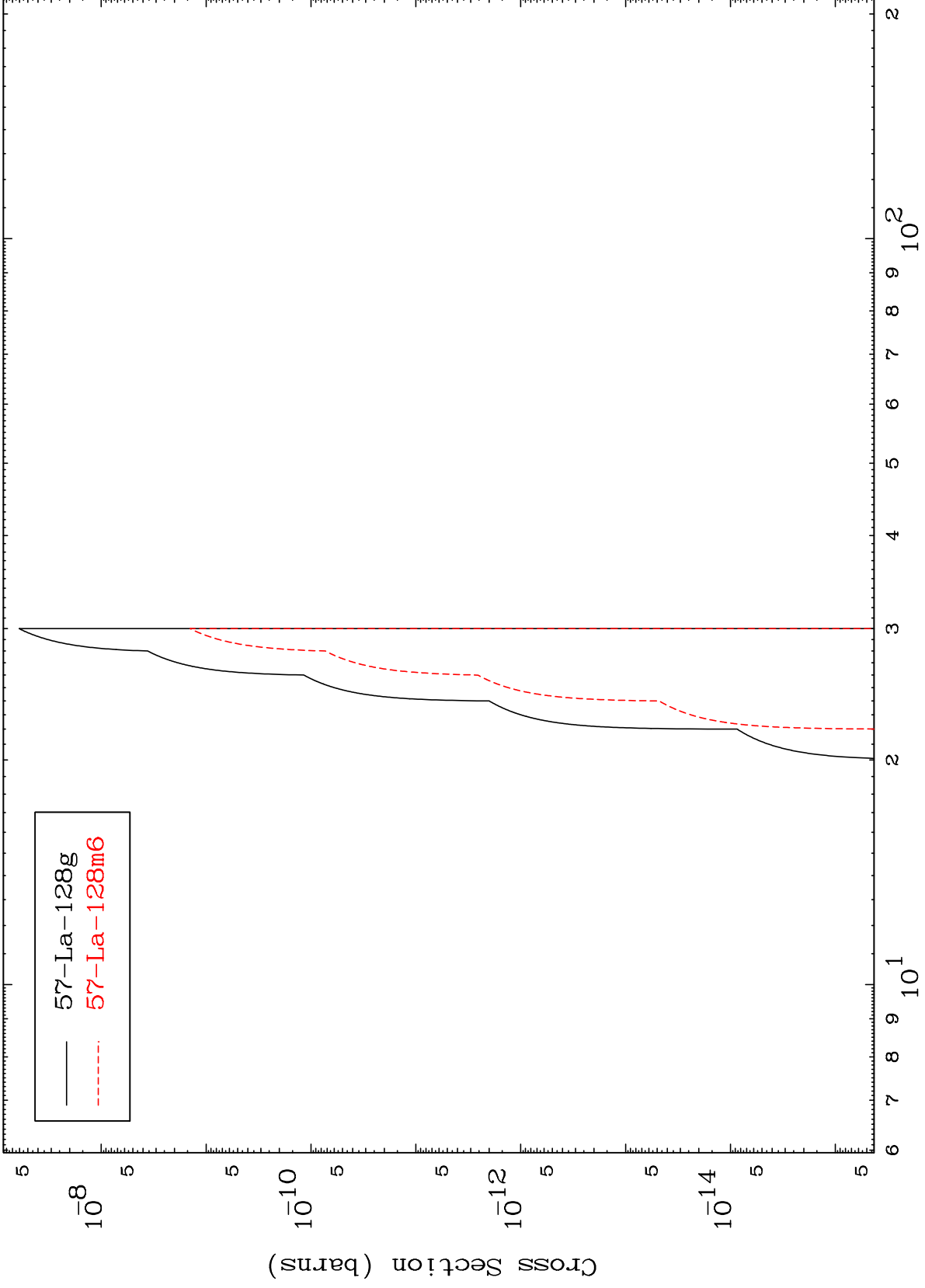
60-Nd-136

MAT 6007

(n,n') 2α

60-Nd-136

Radionuclide Production Cross Section



15

Incident Energy (MeV)

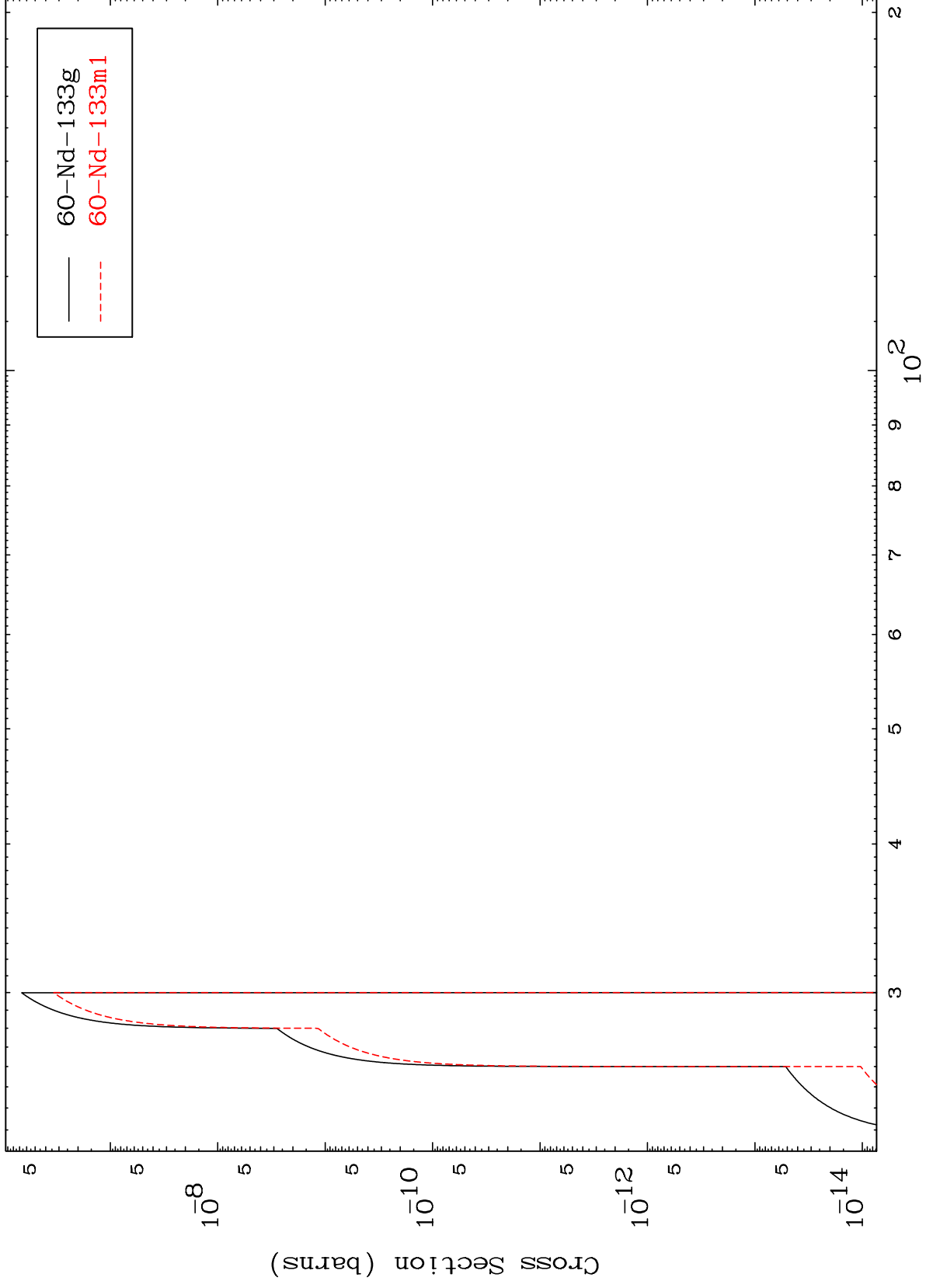
60-Nd-136

MAT 6007

(n,n') t

60-Nd-136

Radionuclide Production Cross Section



16

Incident Energy (MeV)

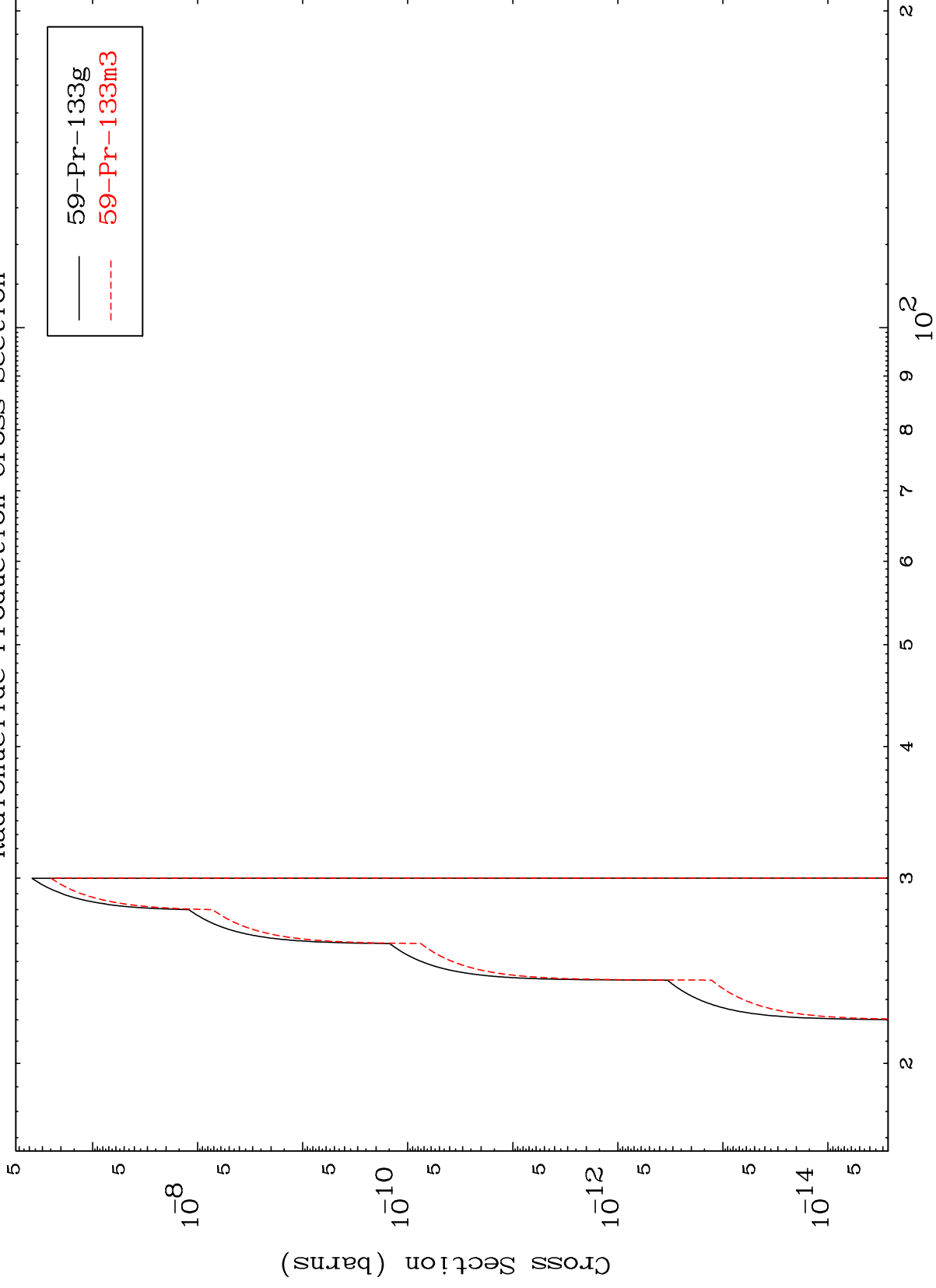
60-Nd-136

MAT 6007

(n,n') He-3

60-Nd-136

Radionuclide Production Cross Section



17

Incident Energy (MeV)

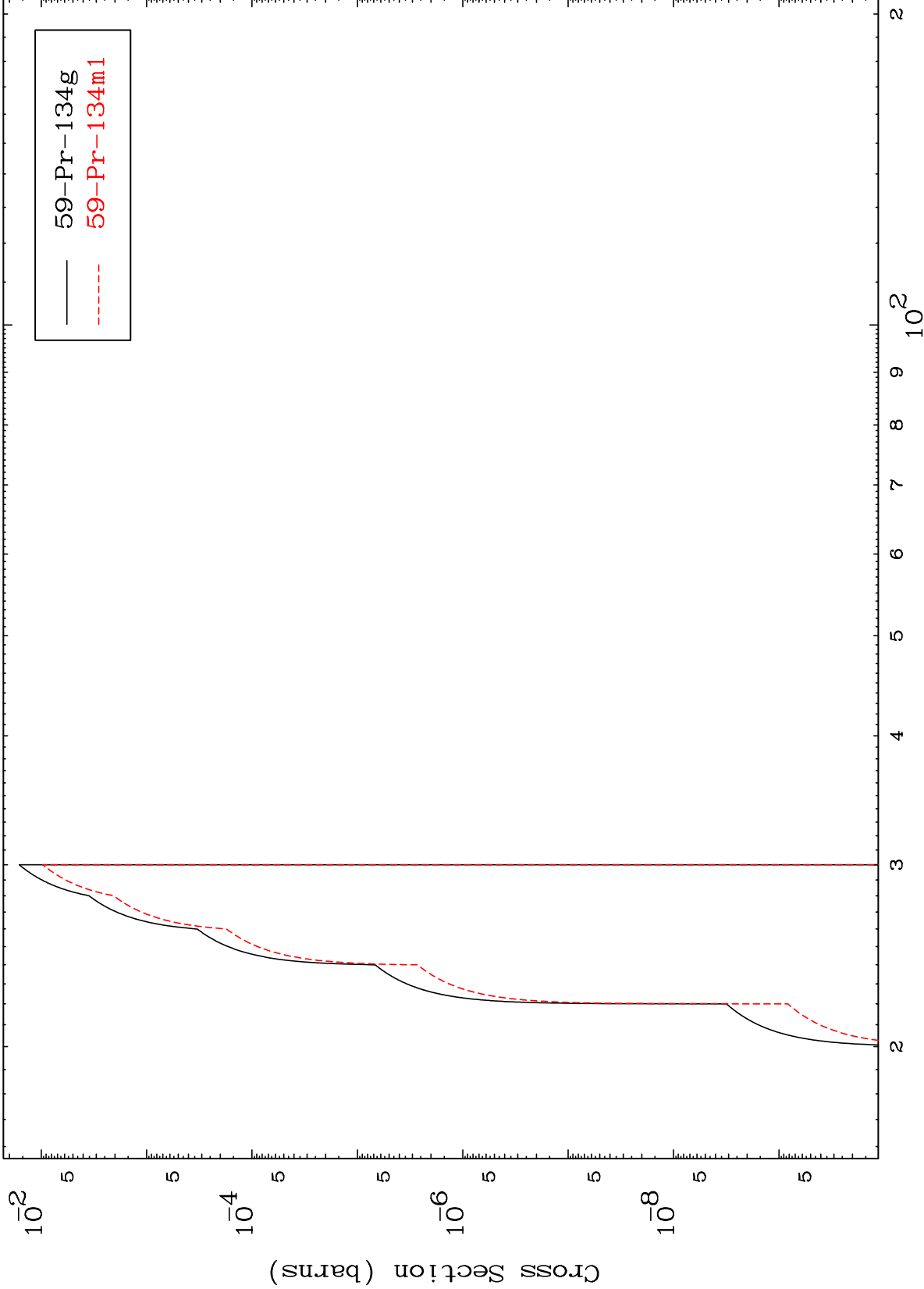
60-Nd-136

MAT 6007

(n,2n) p

60-Nd-136

Radionuclide Production Cross Section



18

Incident Energy (MeV)

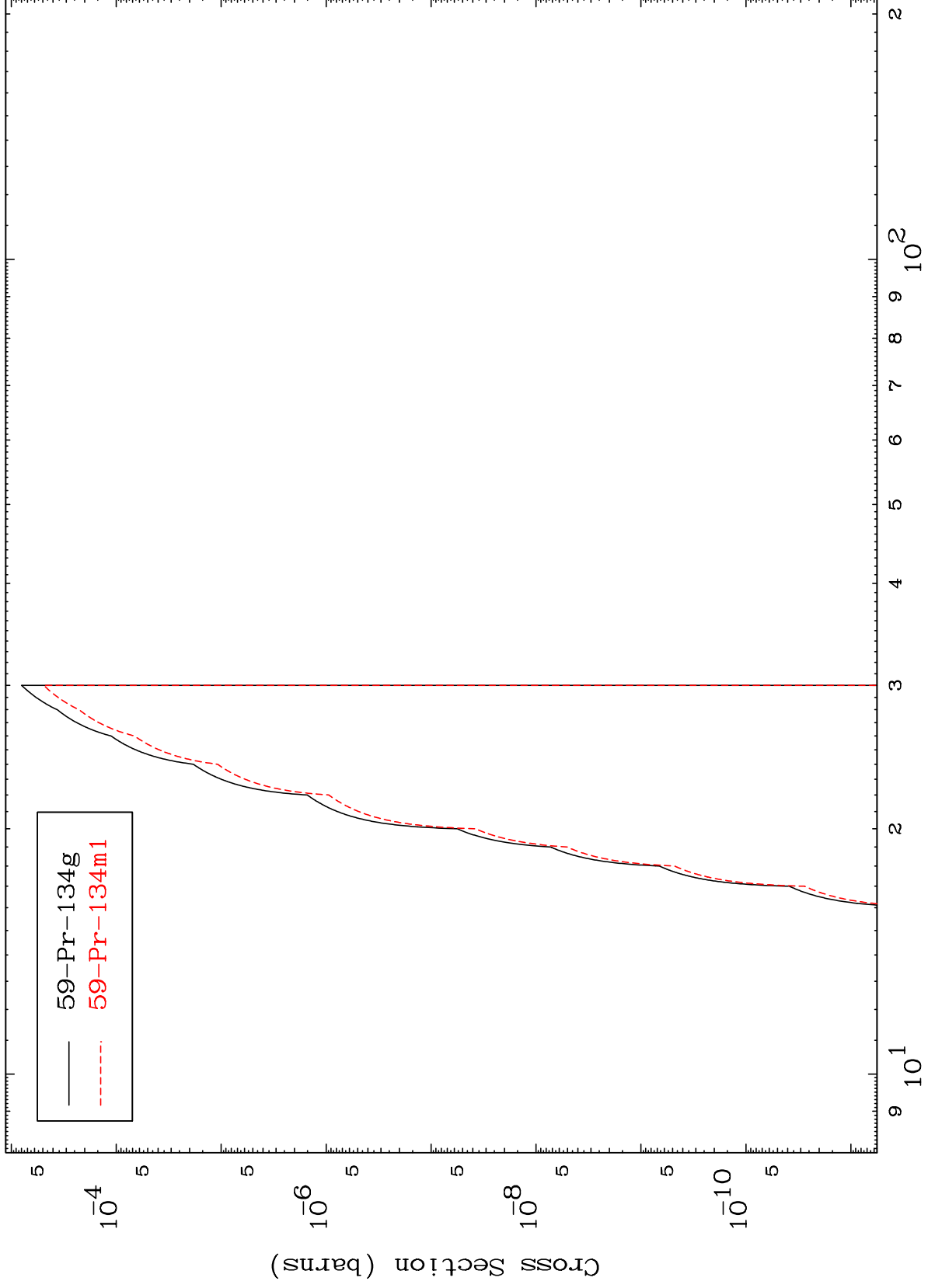
60-Nd-136

MAT 6007

(n,He-3)

60-Nd-136

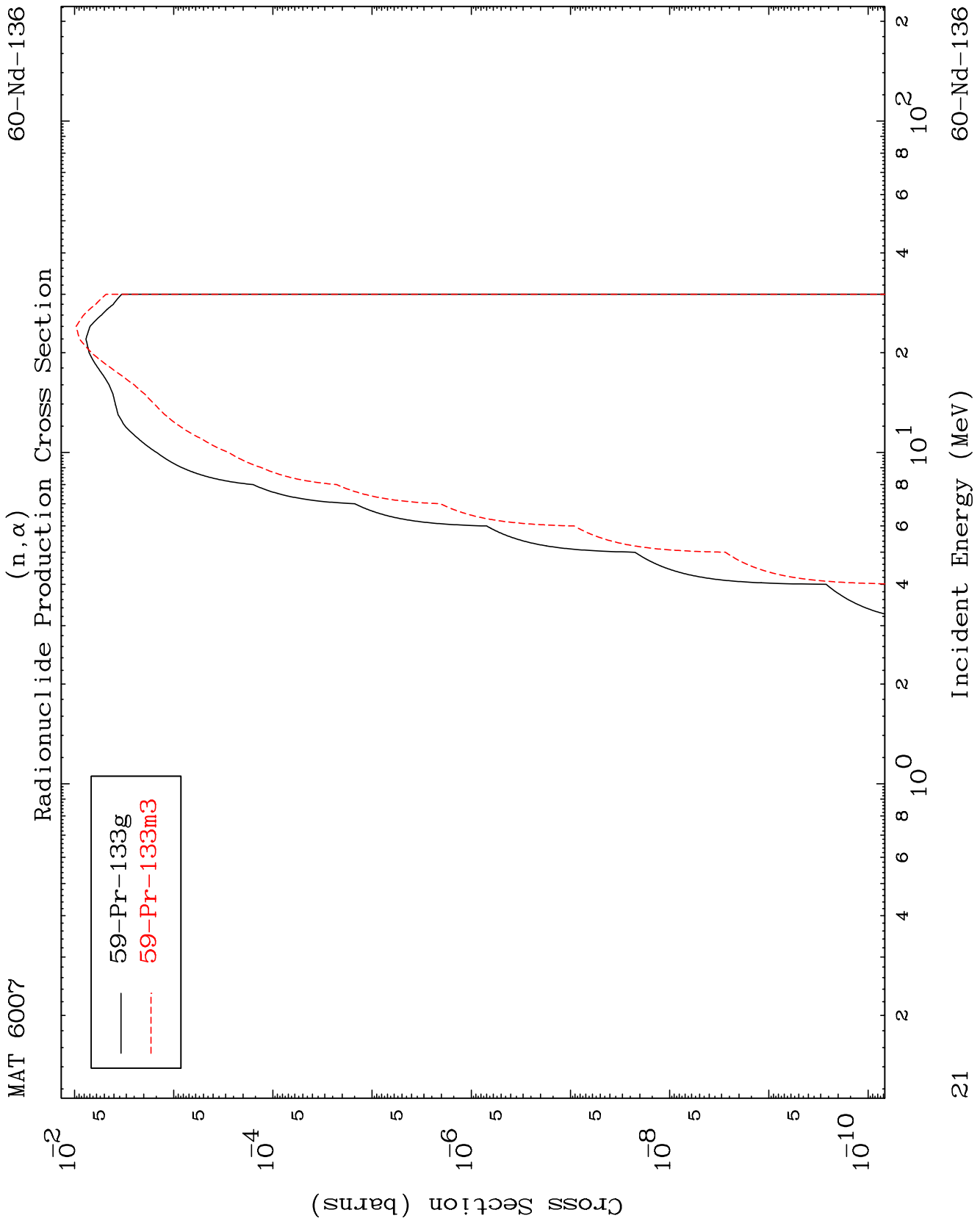
Radionuclide Production Cross Section



20

Incident Energy (MeV)

60-Nd-136

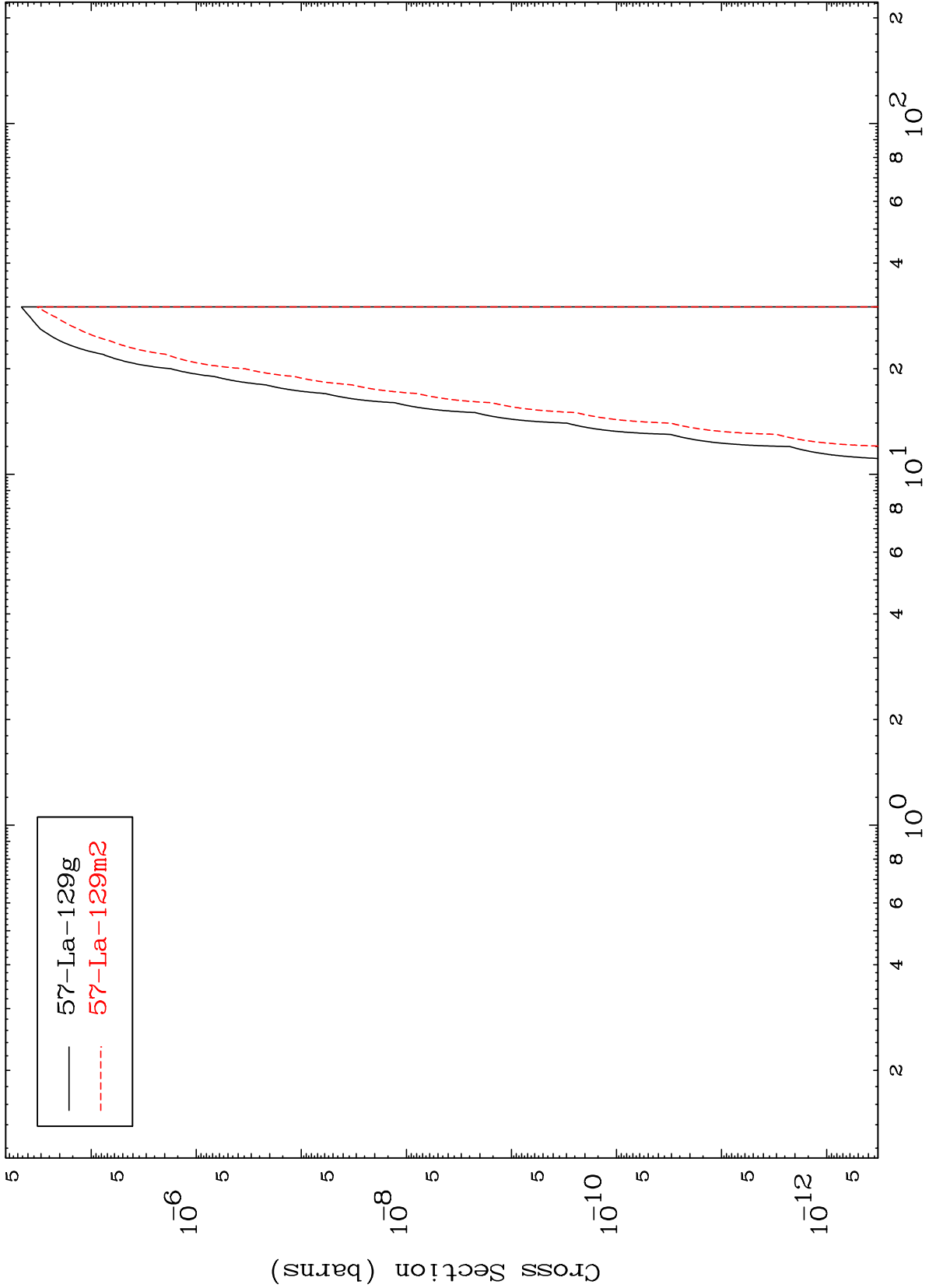


MAT 6007

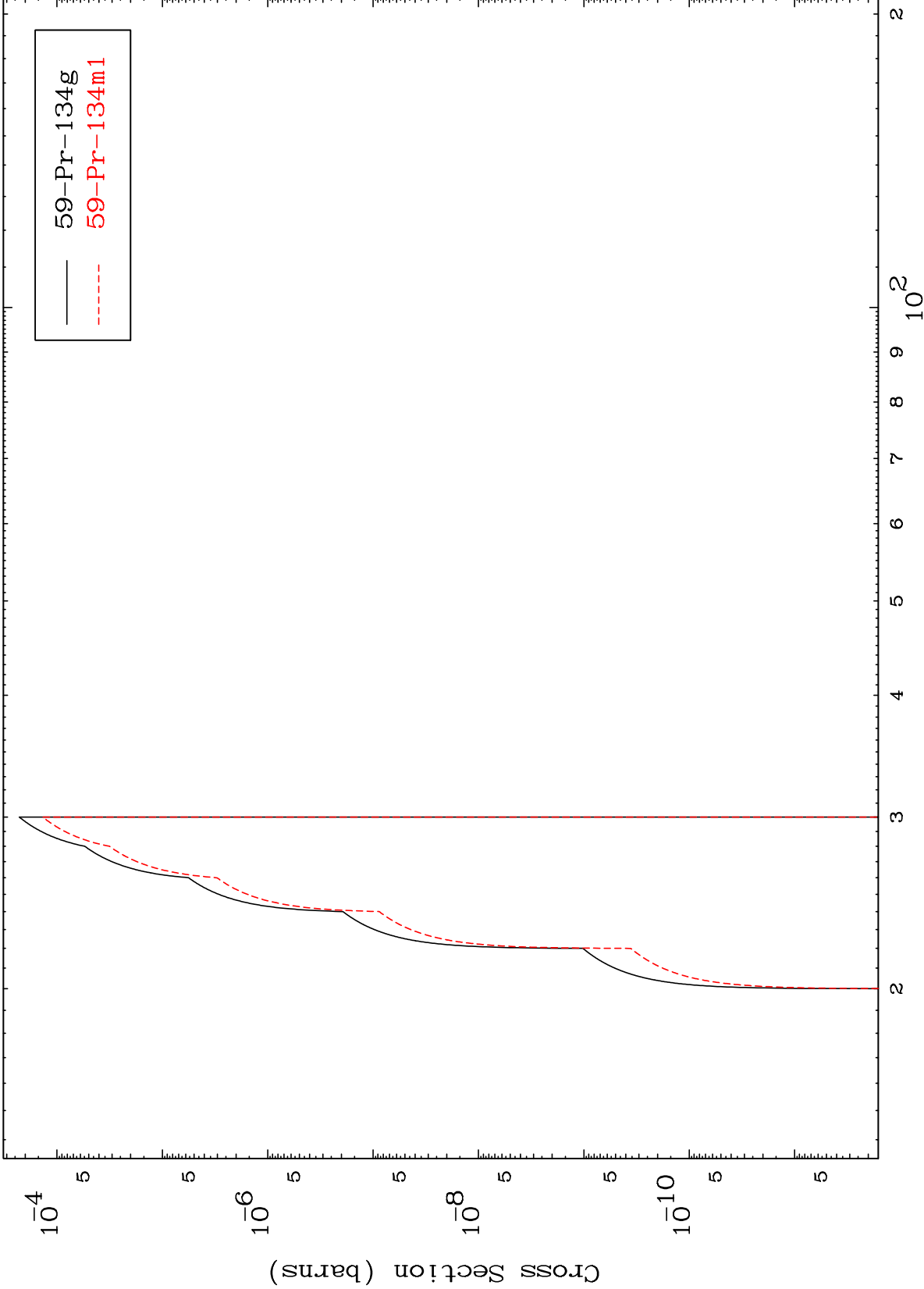
(n,2α)

60-Nd-136

Radionuclide Production Cross Section



Radionuclide Production Cross Section

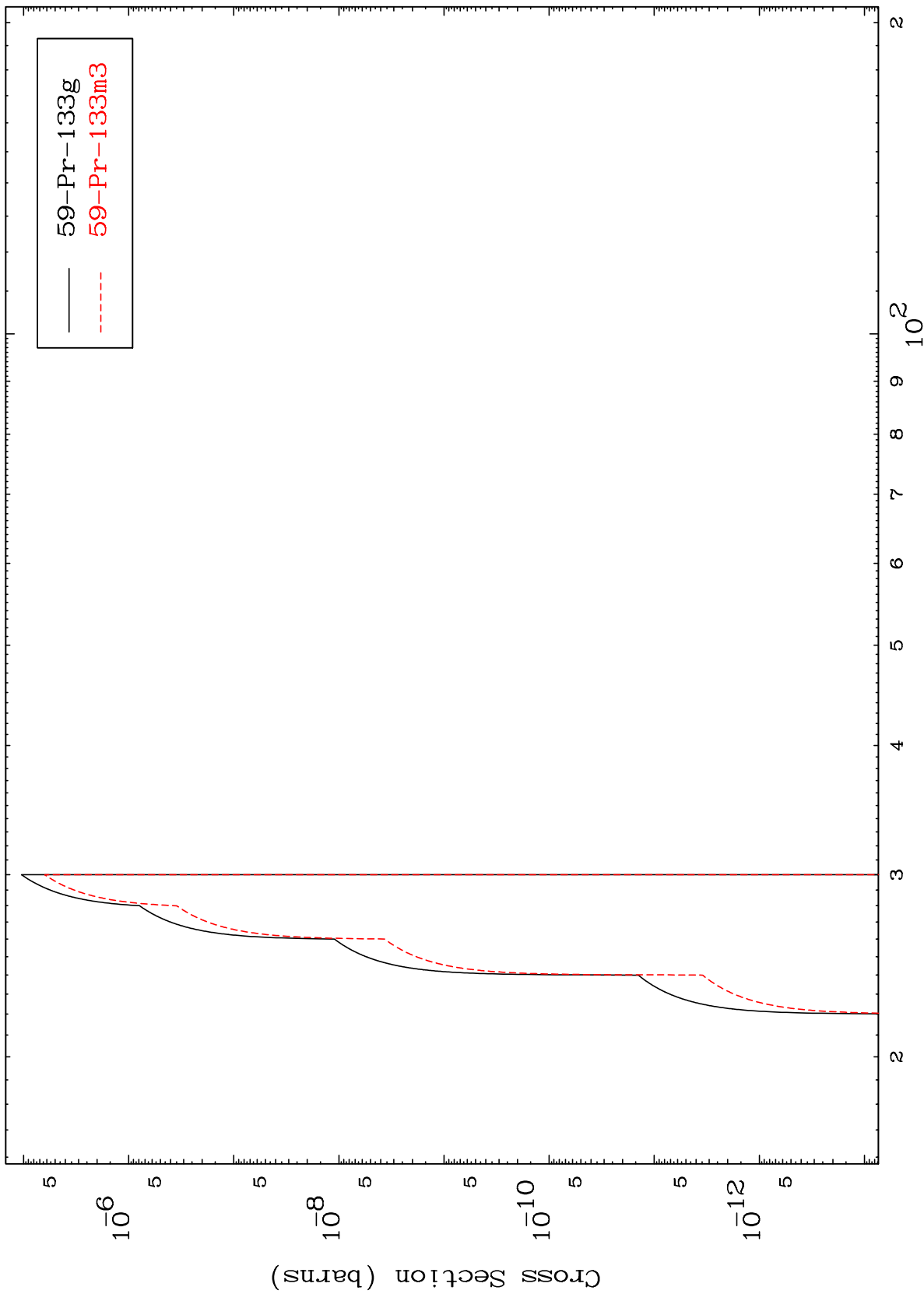


MAT 6007

(n,p) t

60-Nd-136

Radionuclide Production Cross Section



24

Incident Energy (MeV)

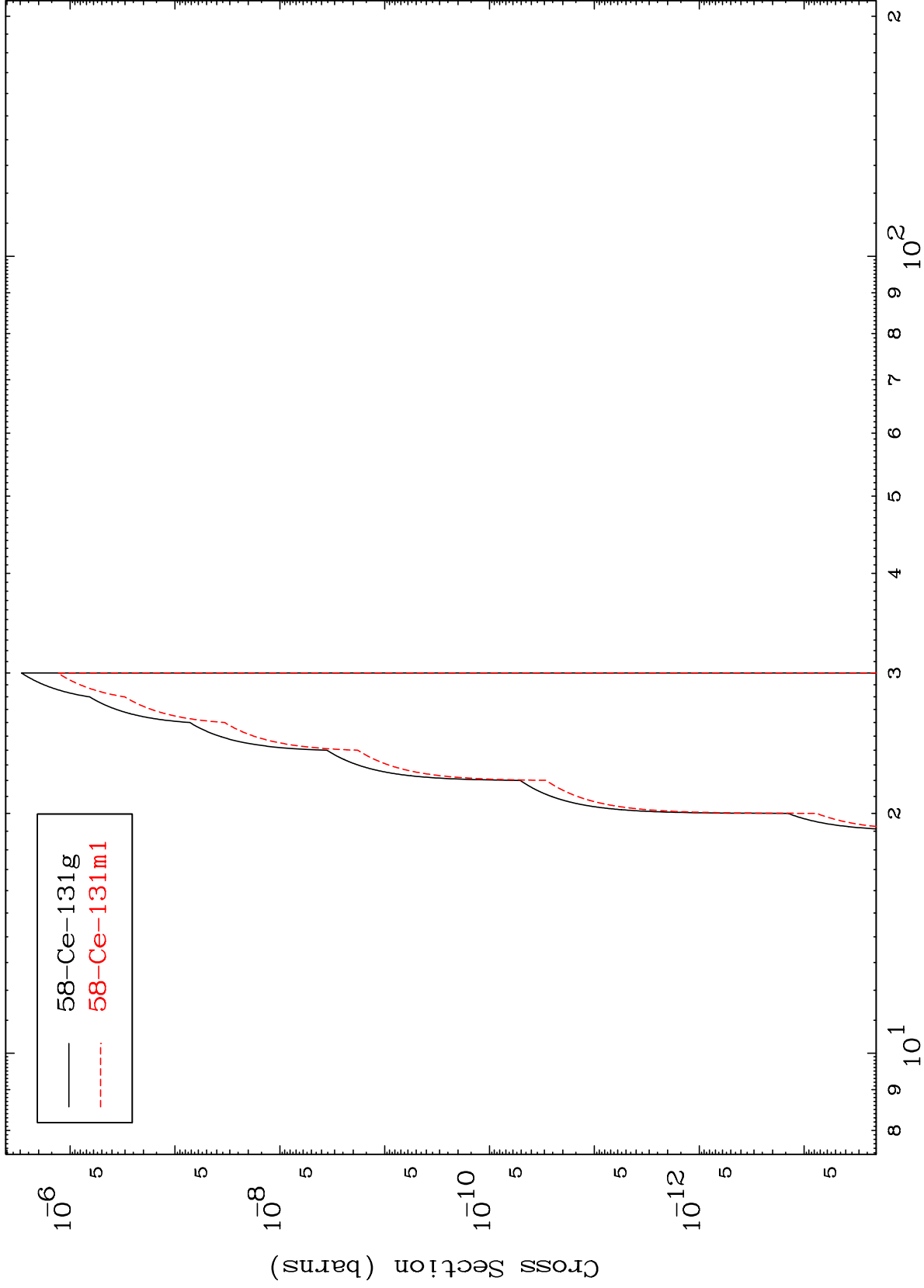
60-Nd-136

MAT 6007

(n,d) α

60-Nd-136

Radionuclide Production Cross Section



25

Incident Energy (MeV)

60-Nd-136