

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

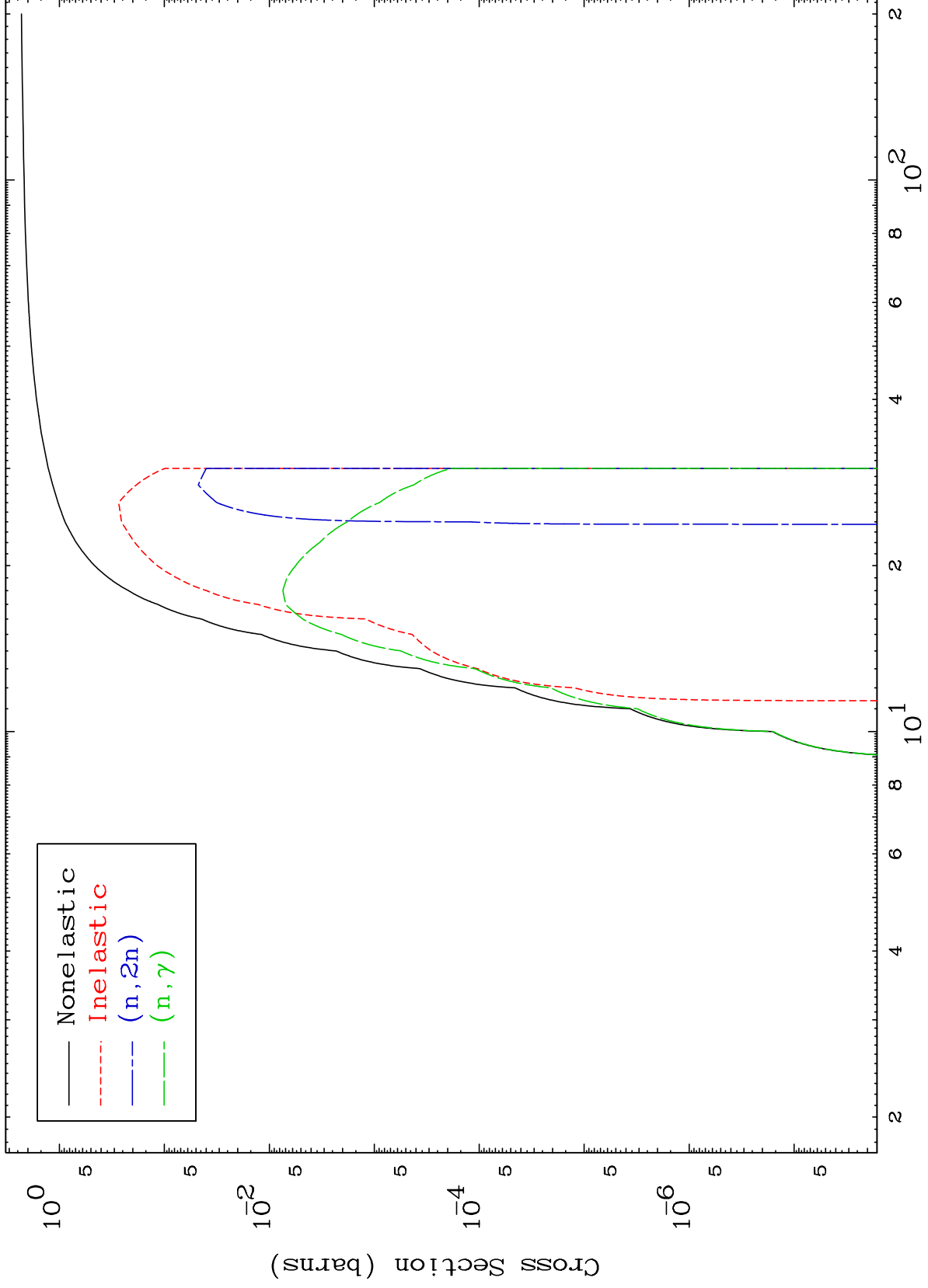
Press Mouse Button to Start

MAT 5999

0 Kelvin Cross Sections

α Major

60-Nd-133m



1

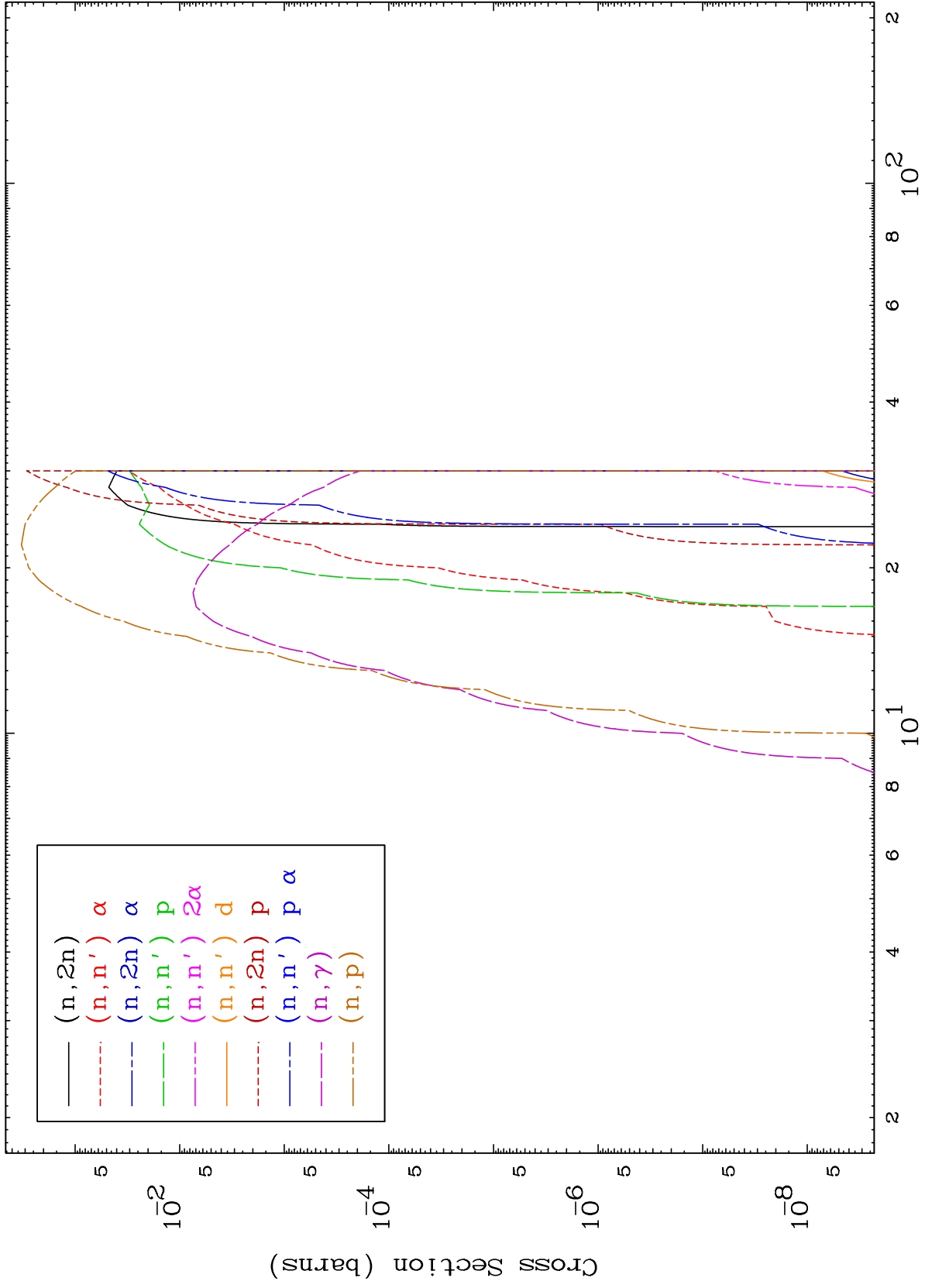
Incident Energy (MeV)

60-Nd-133m

MAT 5999

α Neutron Absorption
0 Kelvin Cross Sections

60-Nd-133m



2

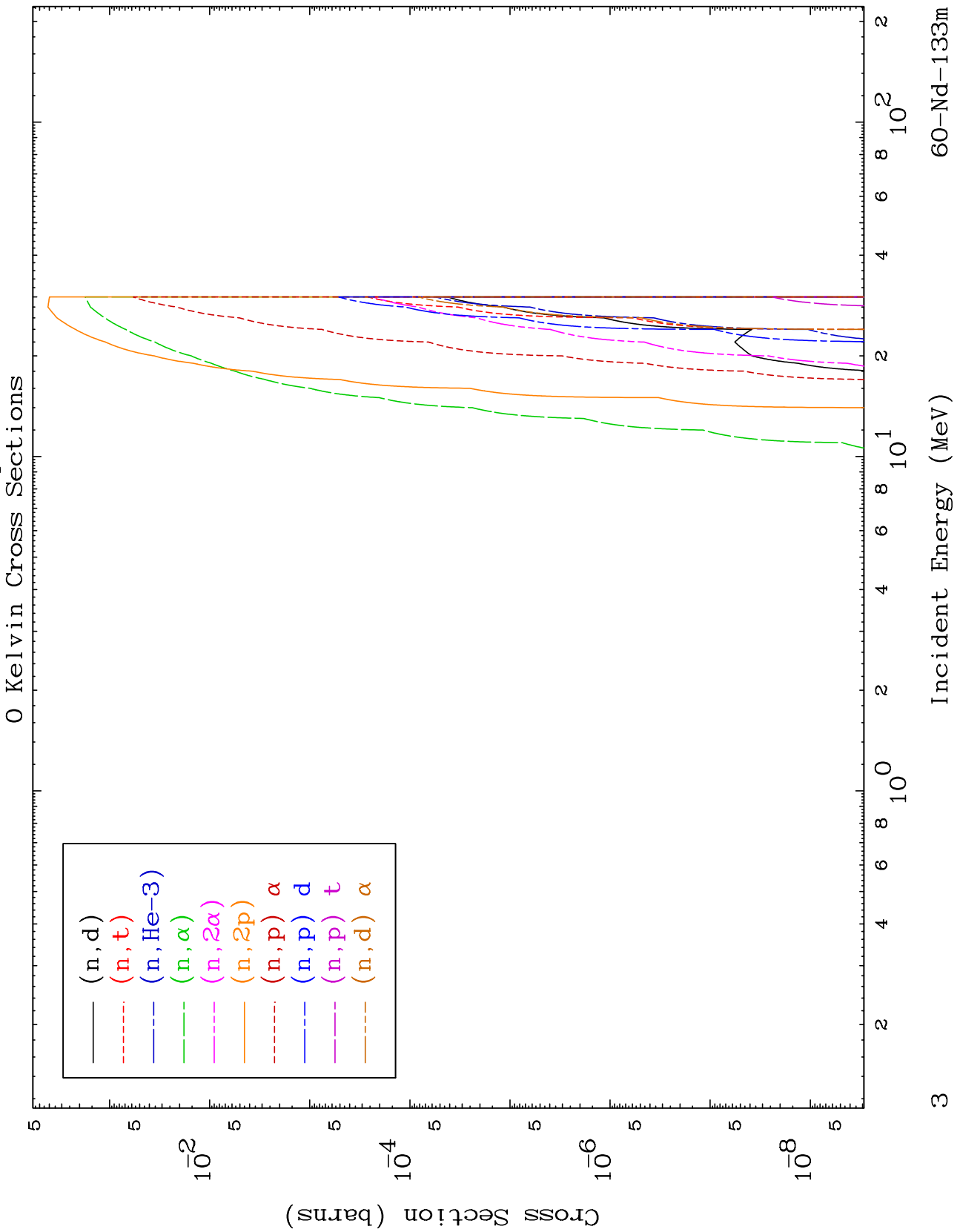
Incident Energy (MeV)

60-Nd-133m

MAT 5999

α Neutron Absorption

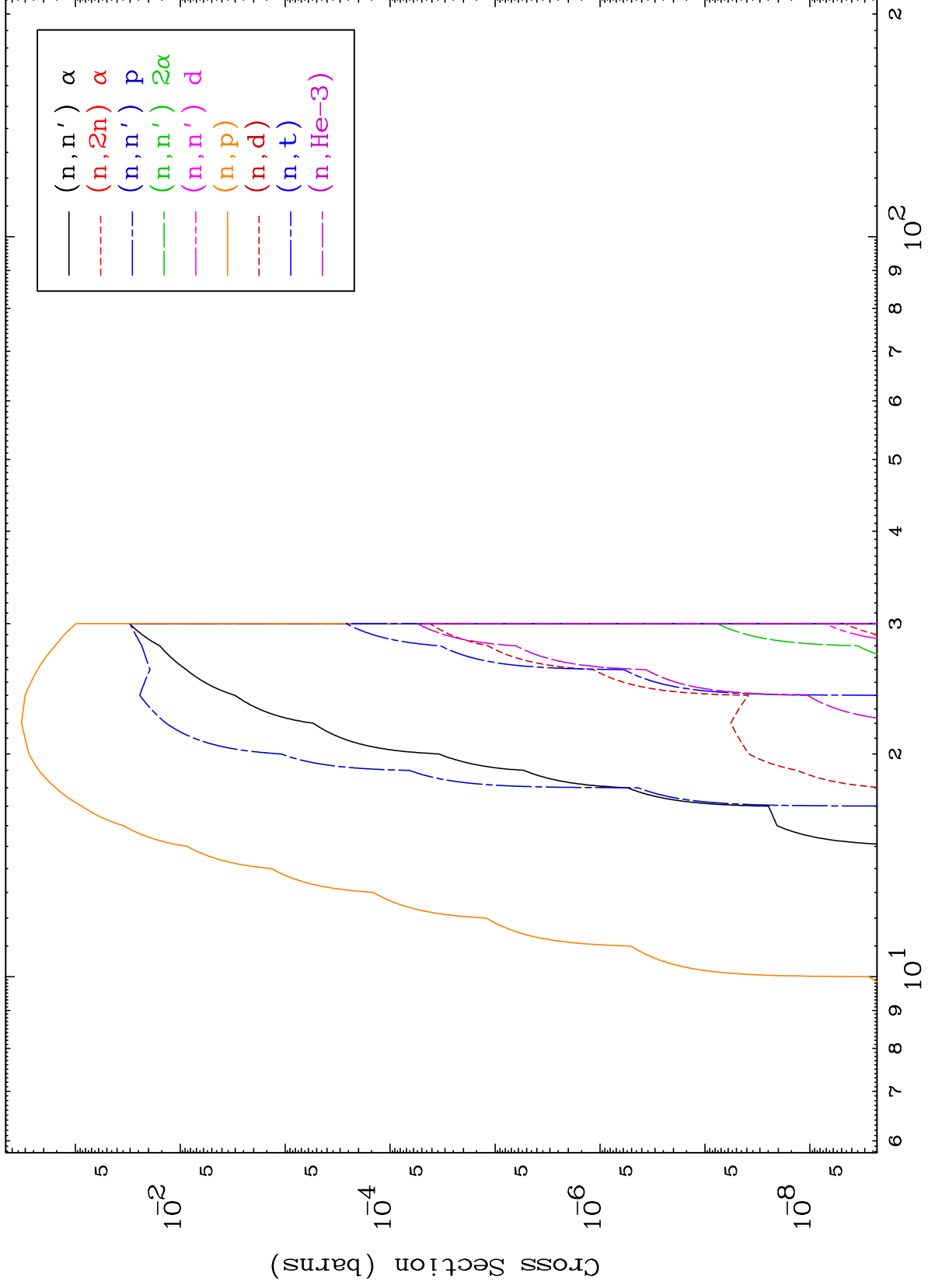
60-Nd-133m

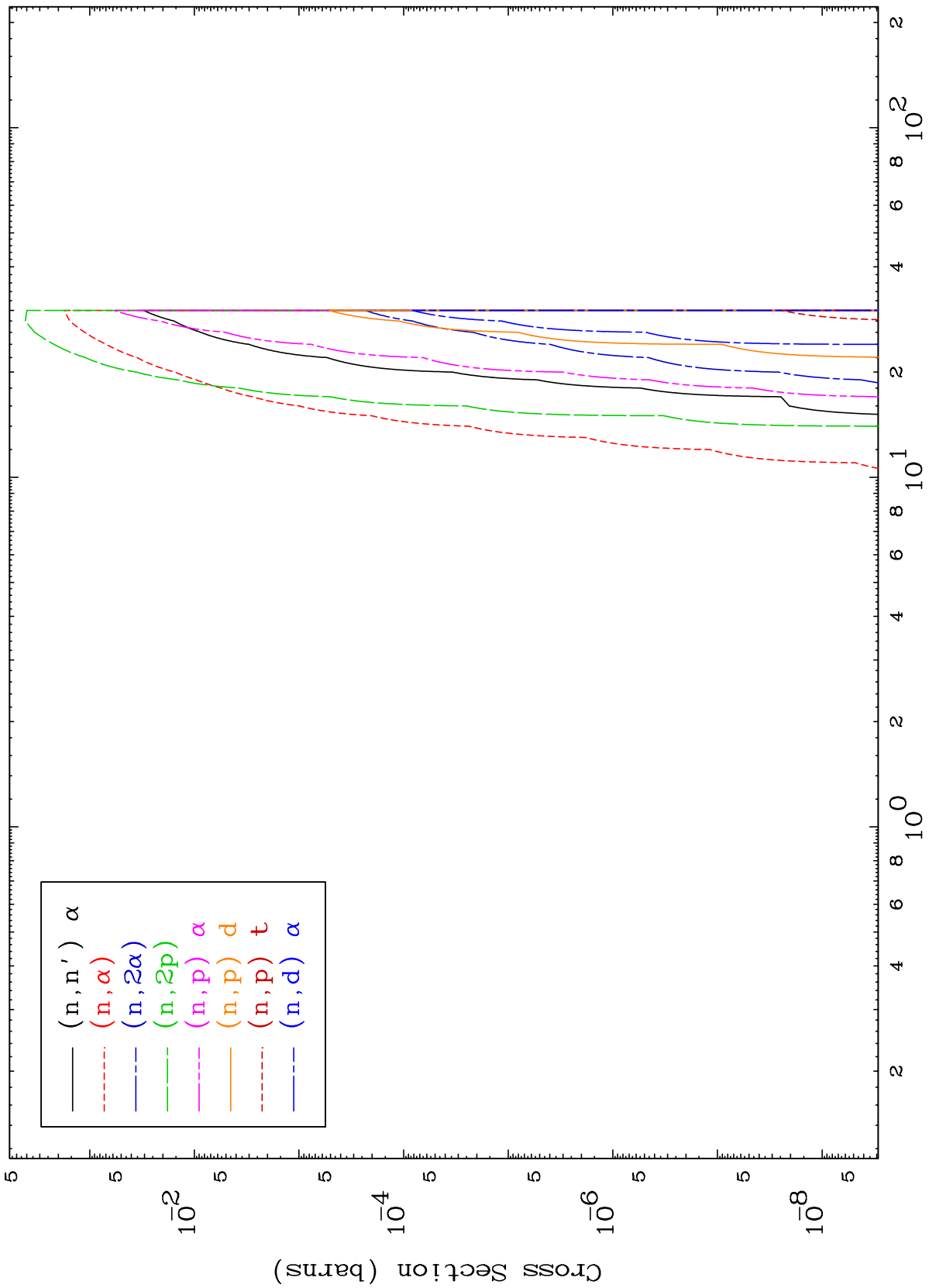


MAT 5999

α Charged Particle
0 Kelvin Cross Sections

60-Nd-133m



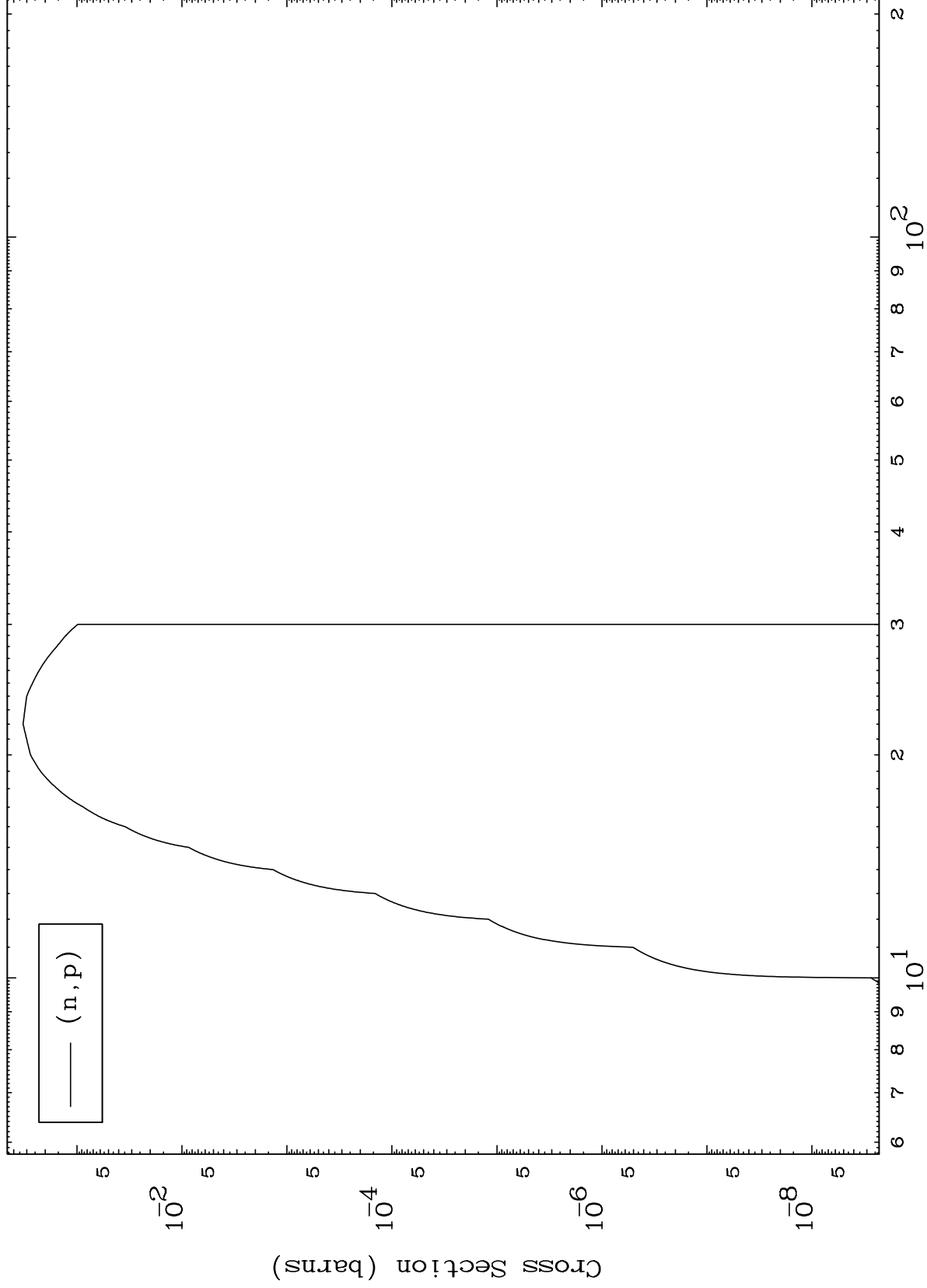


MAT 5999

(α, p) Levels

60-Nd-133m

0 Kelvin Cross Sections



6

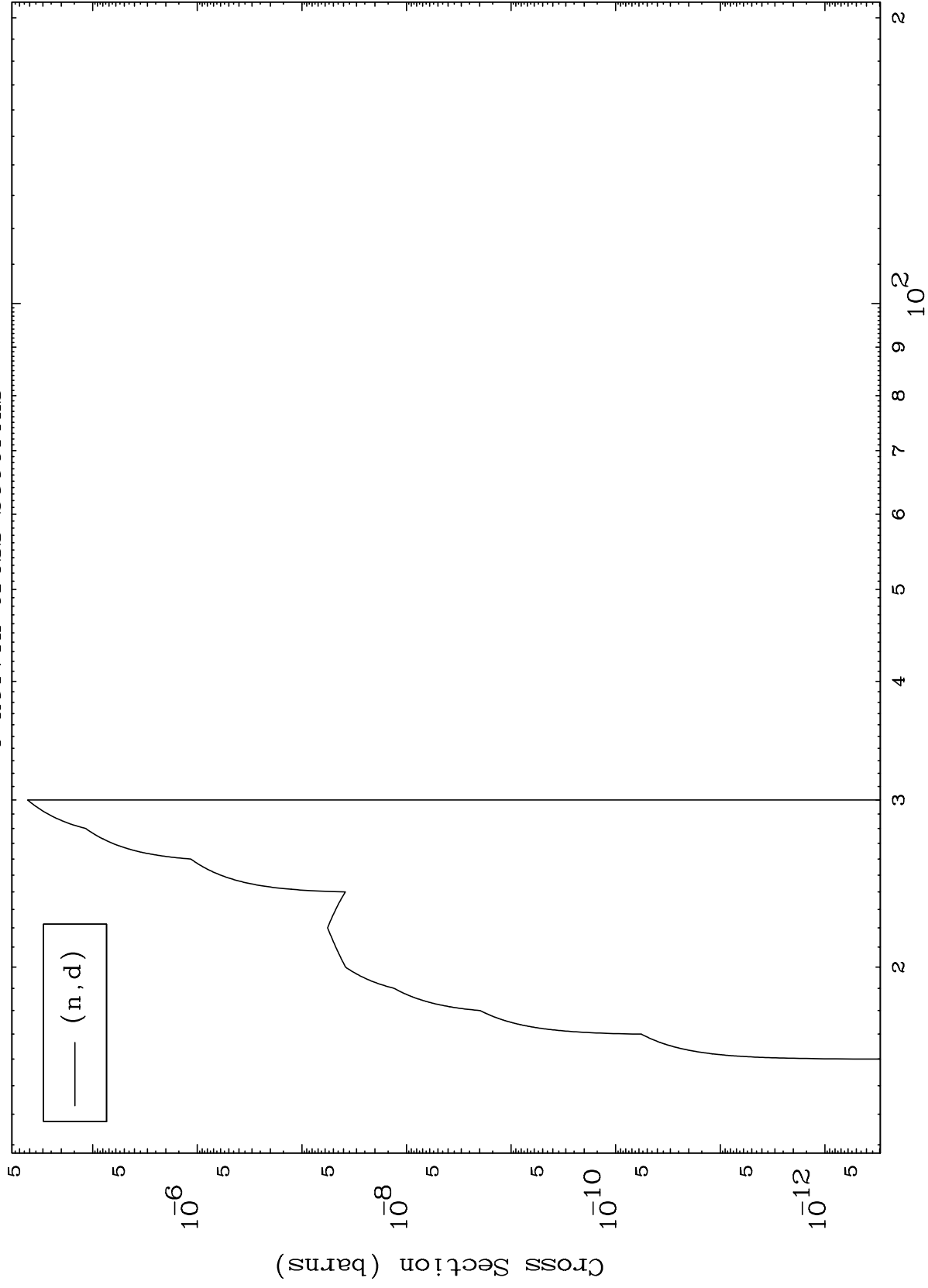
Incident Energy (MeV)

60-Nd-133m

MAT 5999

(α, d) Levels
0 Kelvin Cross Sections

60-Nd-133m



7

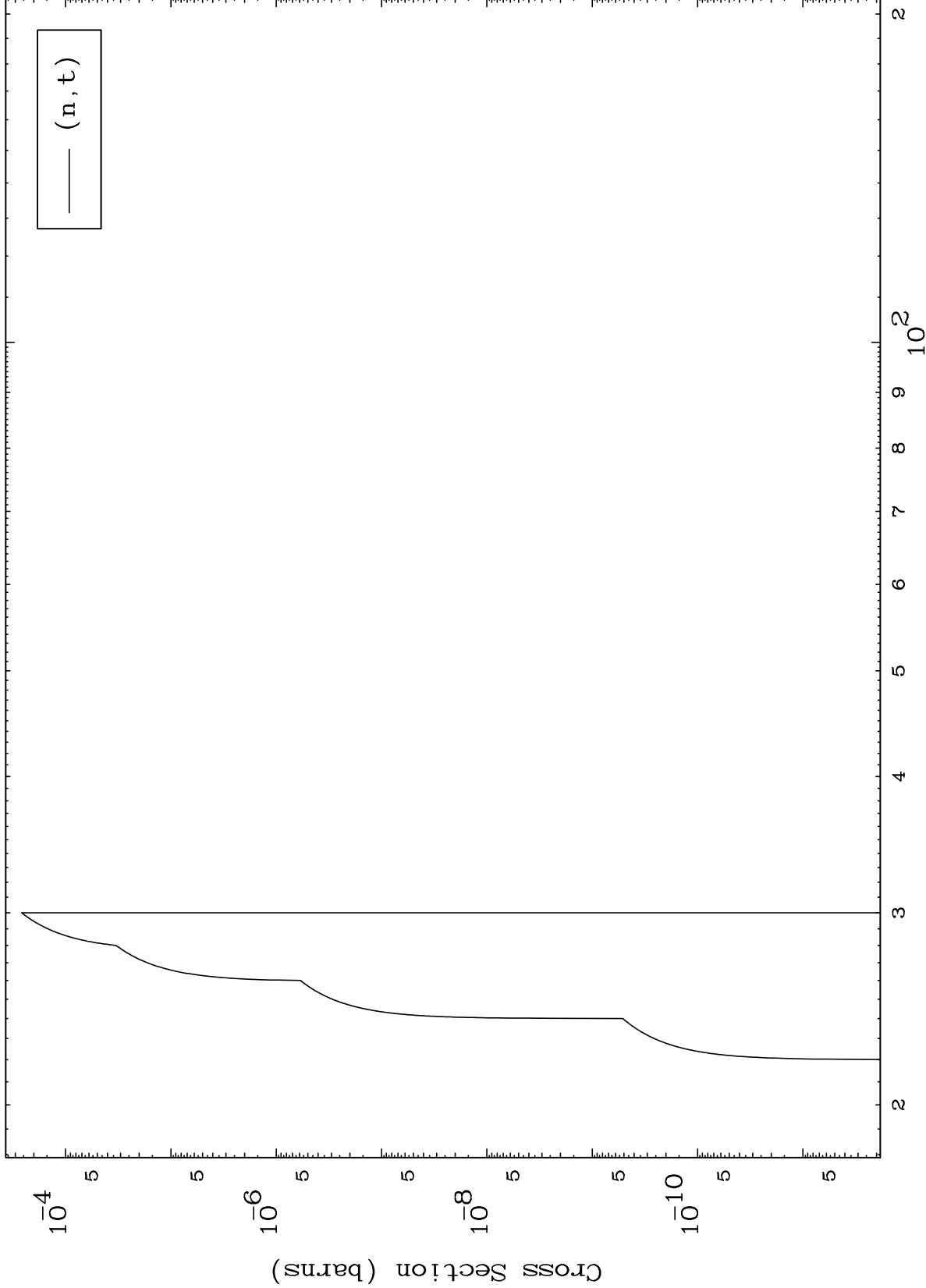
Incident Energy (MeV)

60-Nd-133m

MAT 5999

(α, t) Levels
0 Kelvin Cross Sections

60-Nd-133m



8

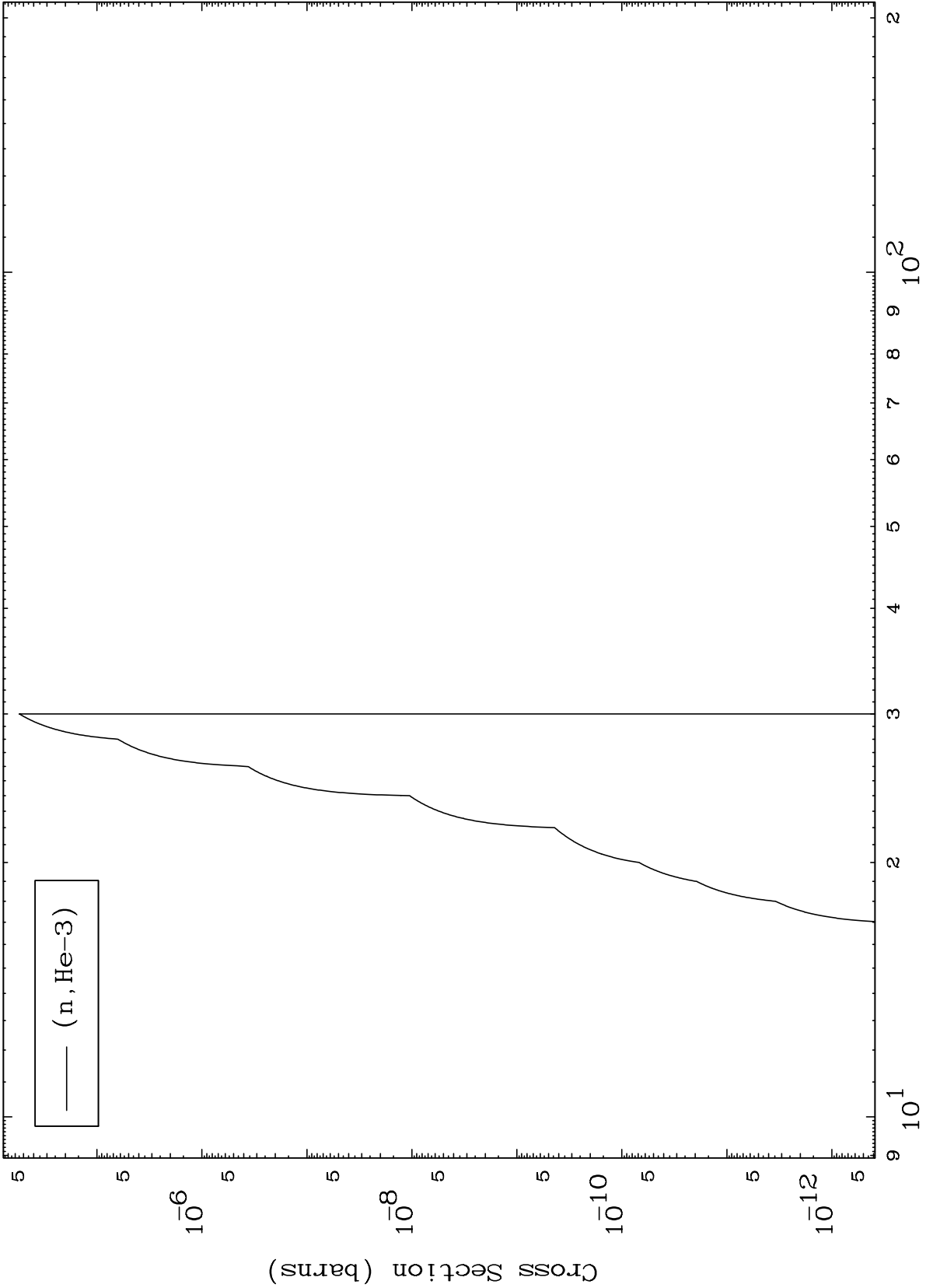
Incident Energy (MeV)

60-Nd-133m

MAT 5999

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

60-Nd-133m



Incident Energy (MeV)

60-Nd-133m

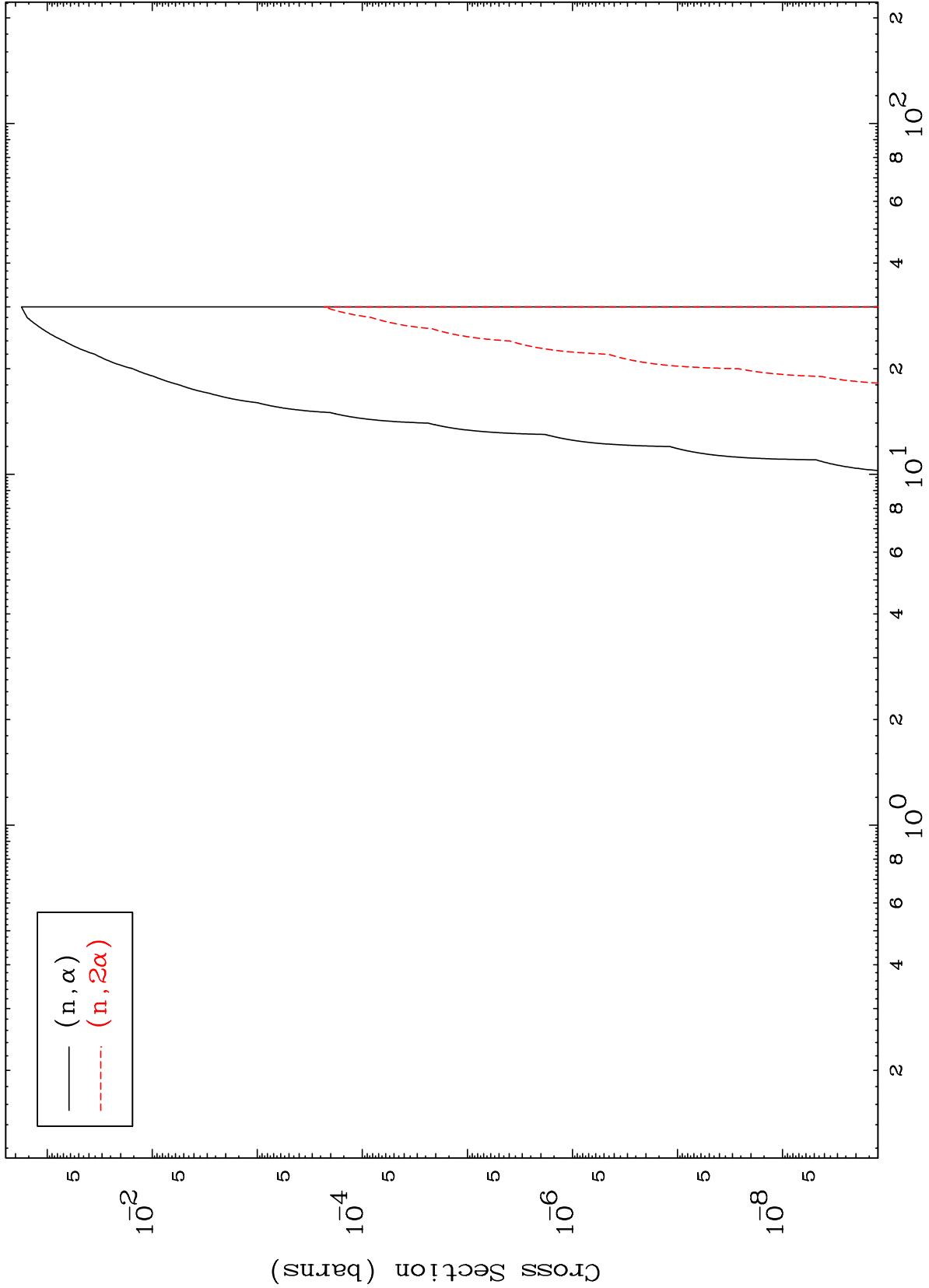
9

MAT 5999

(α, α) Levels

60-Nd-133m

0 Kelvin Cross Sections



— (n, α)
- - - ($n, 2\alpha$)

10

Incident Energy (MeV)

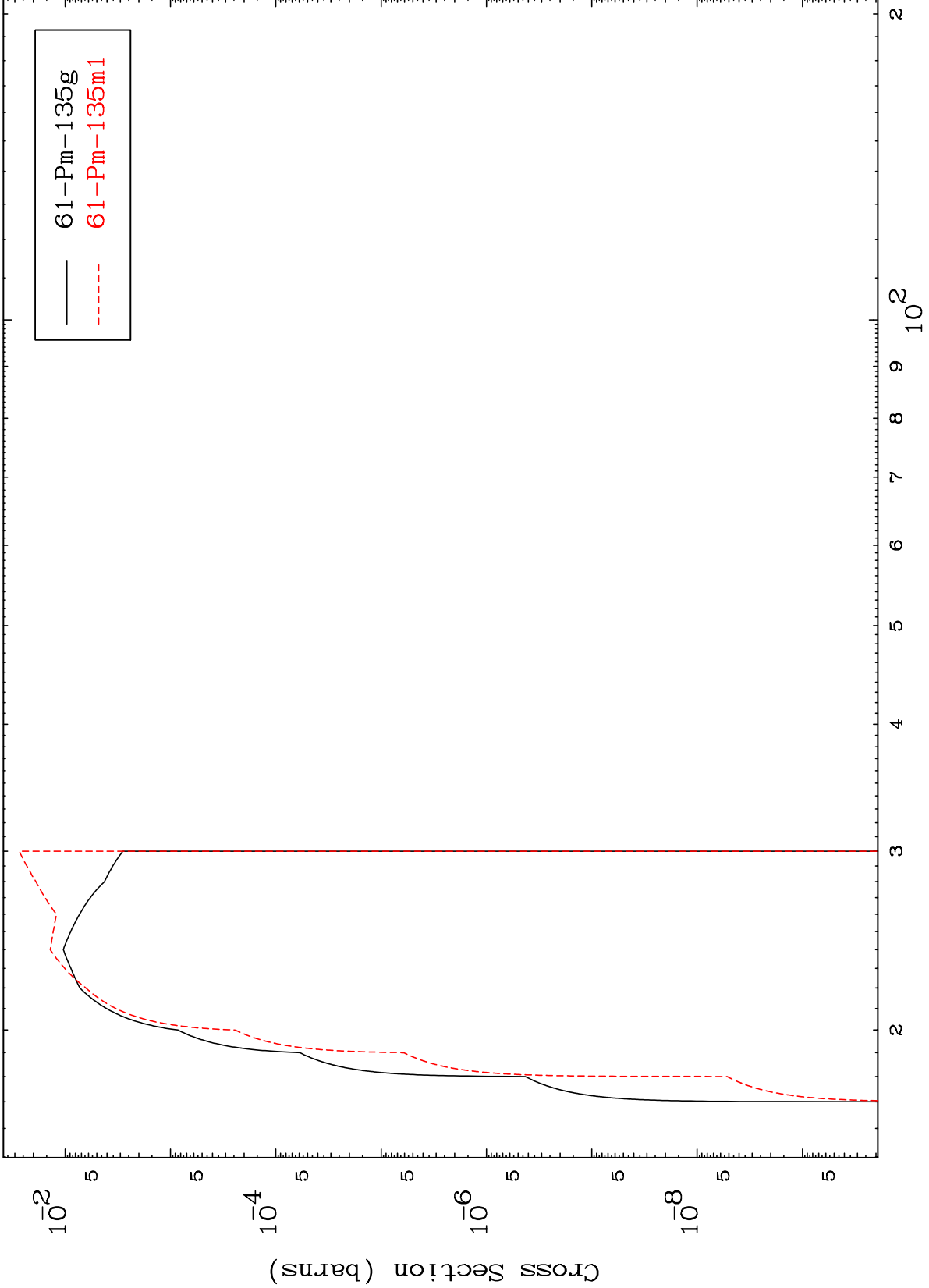
60-Nd-133m

MAT 5999

(n, n') p

60-Nd-133m

Radionuclide Production Cross Section

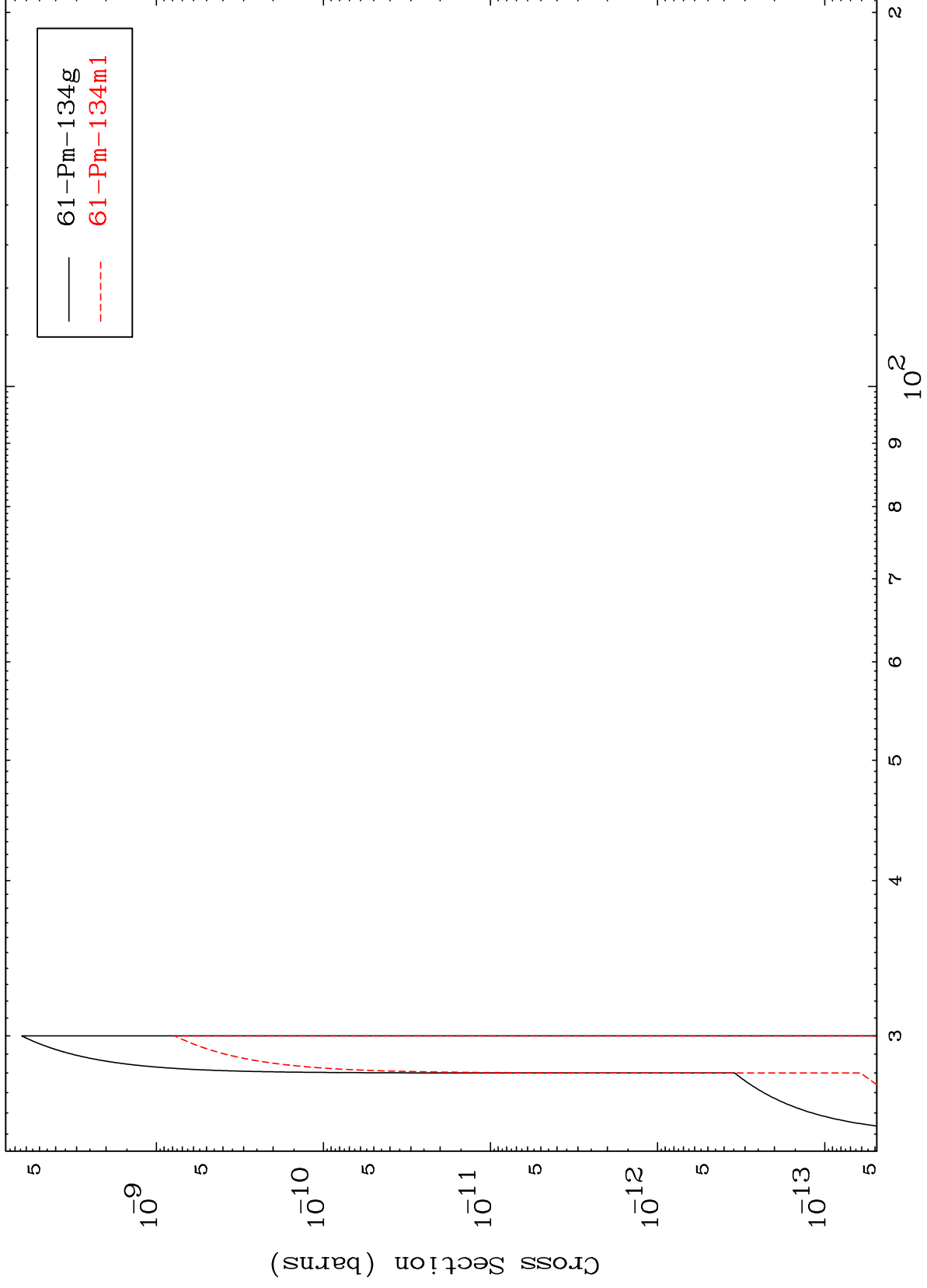


MAT 5999

(n,n') d

60-Nd-133m

Radionuclide Production Cross Section



12

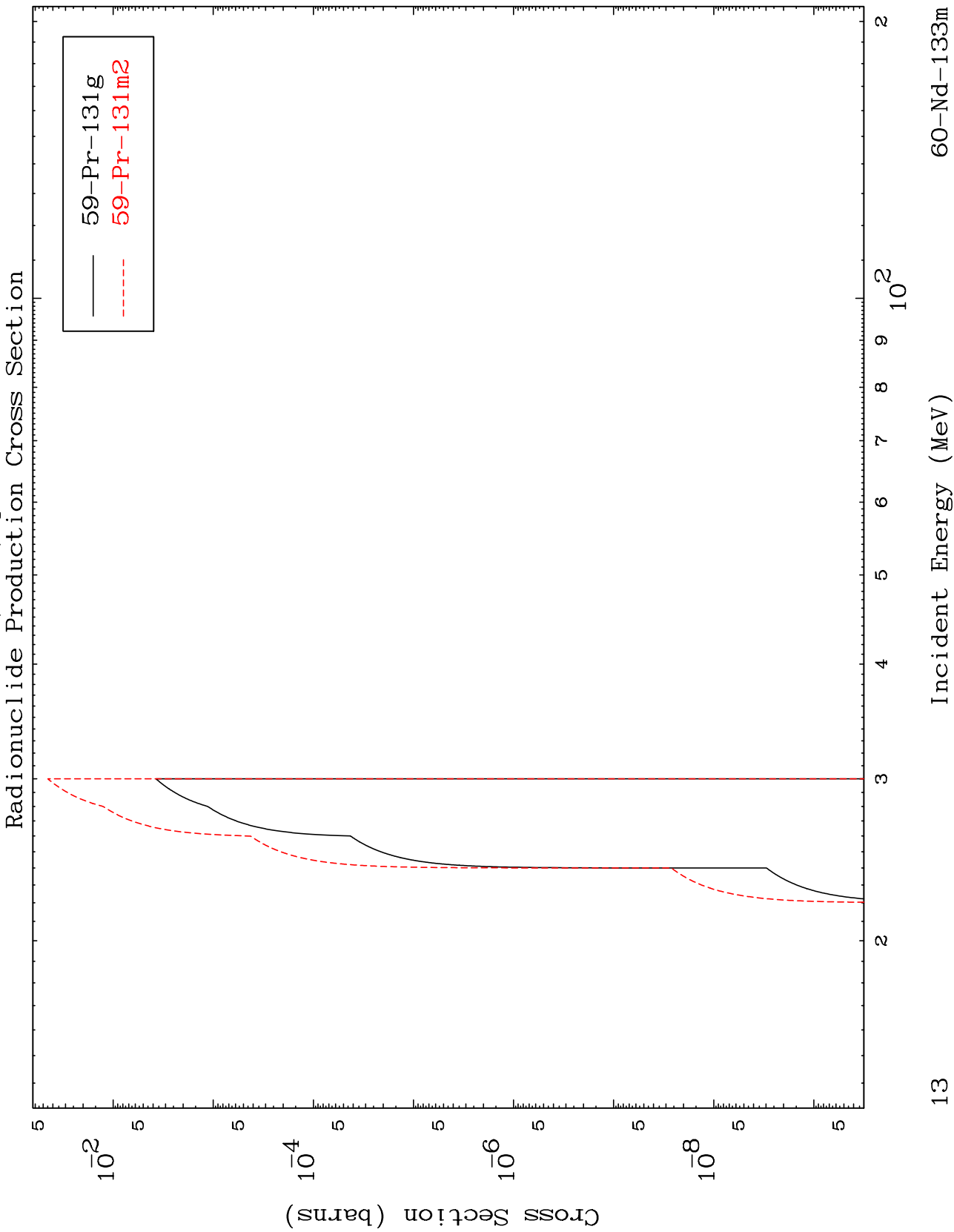
Incident Energy (MeV)

60-Nd-133m

MAT 5999

(n,n') p α

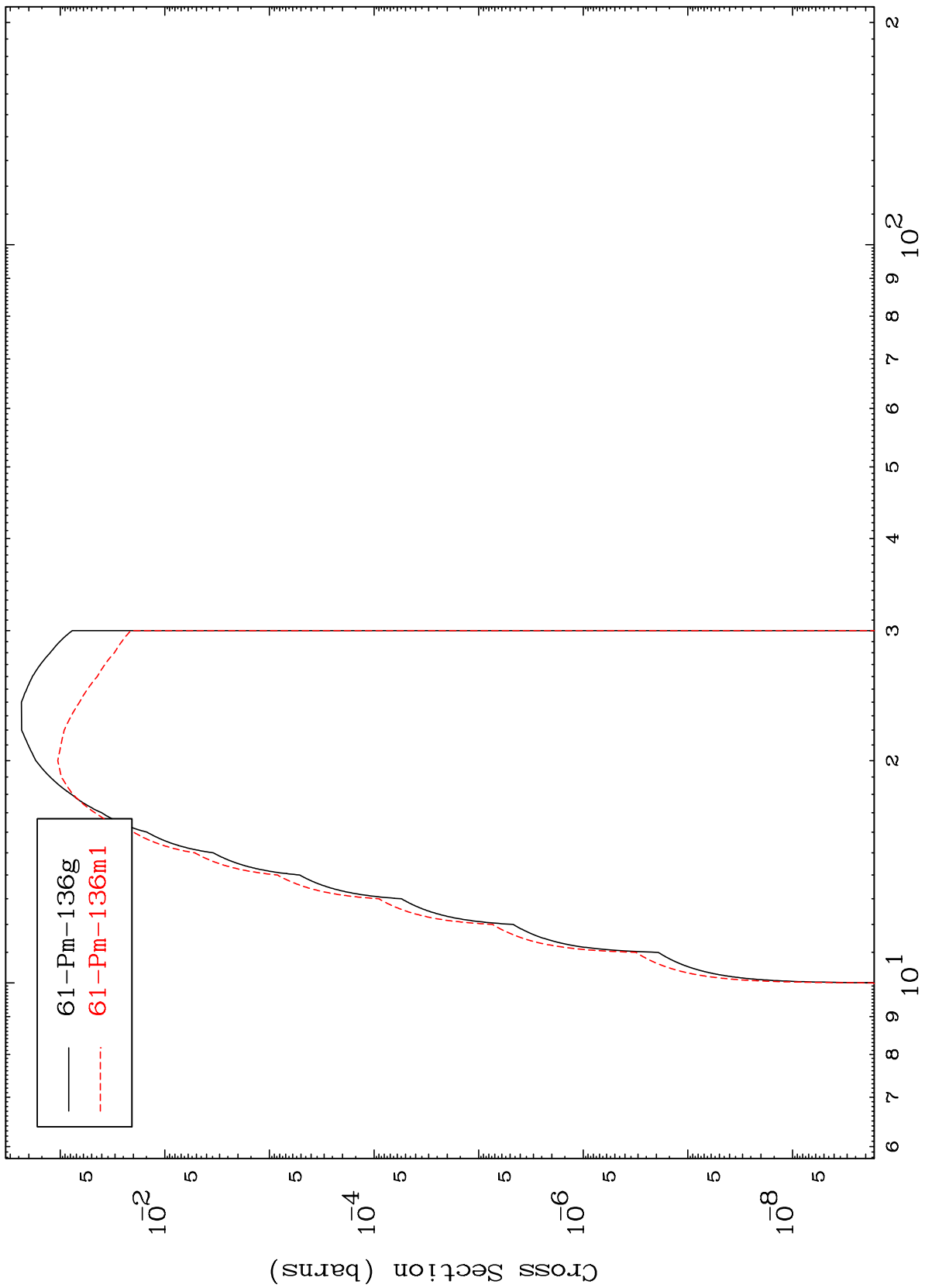
60-Nd-133m



MAT 5999

60-Nd-133m

(n,p)
Radionuclide Production Cross Section



14

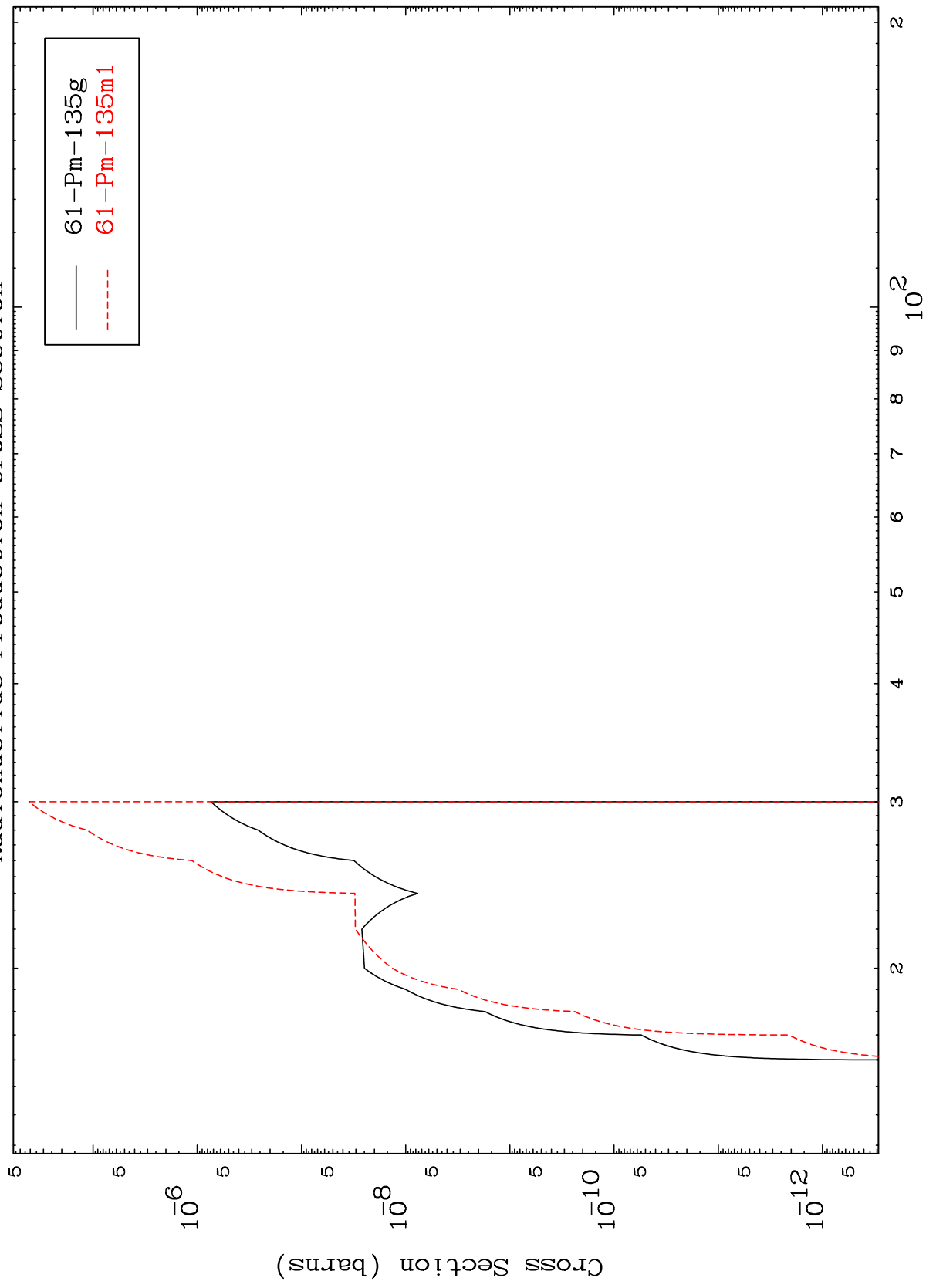
Incident Energy (MeV)

60-Nd-133m

MAT 5999

60-Nd-133m

(n,d)
Radionuclide Production Cross Section



15

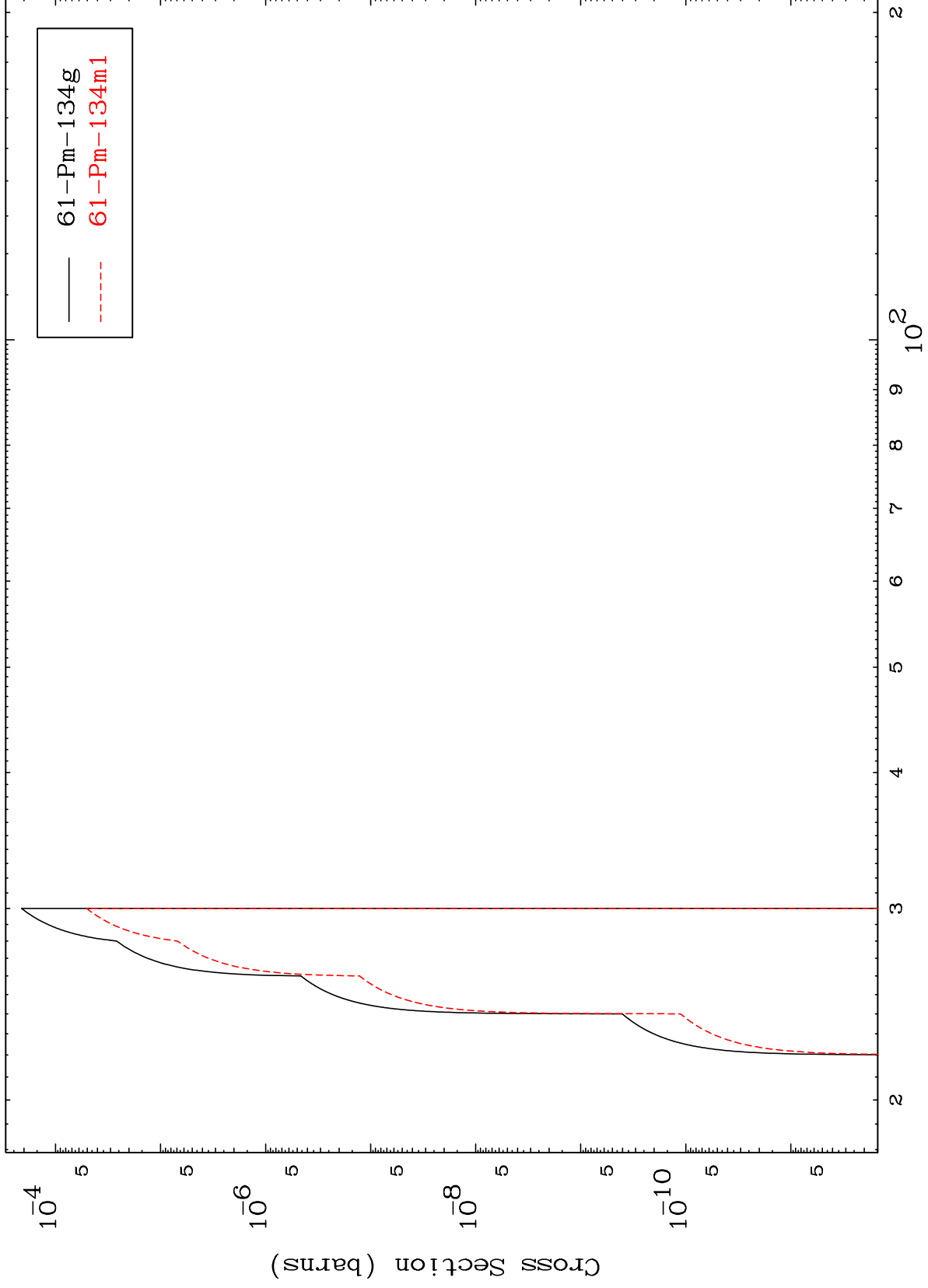
Incident Energy (MeV)

60-Nd-133m

MAT 5999

60-Nd-133m

(n, t)
Radionuclide Production Cross Section



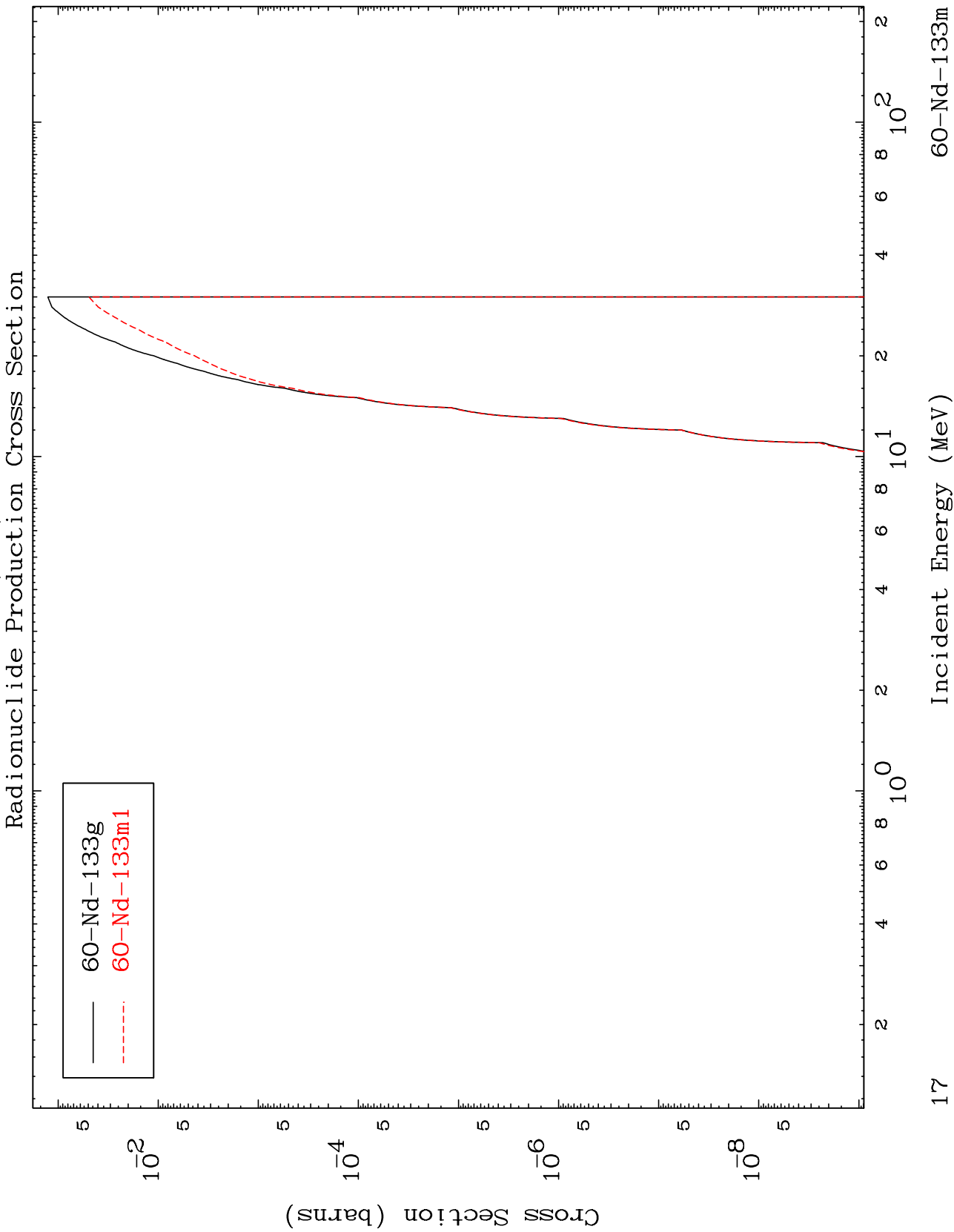
16

Incident Energy (MeV)

60-Nd-133m

MAT 5999

60-Nd-133m



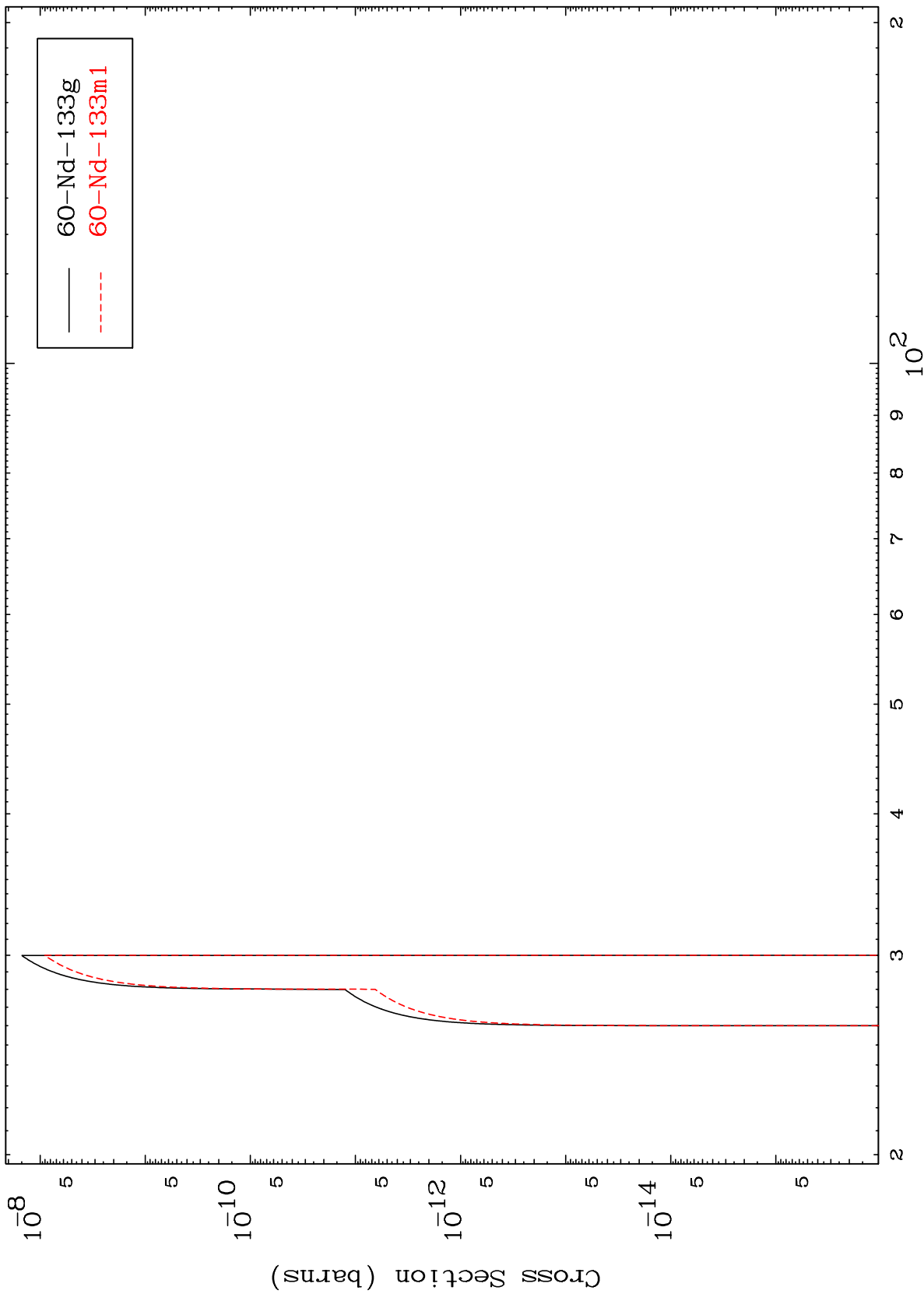
60-Nd-133g
60-Nd-133m1

MAT 5999

(n,p) t

60-Nd-133m

Radionuclide Production Cross Section



60-Nd-133g
60-Nd-133m1

18

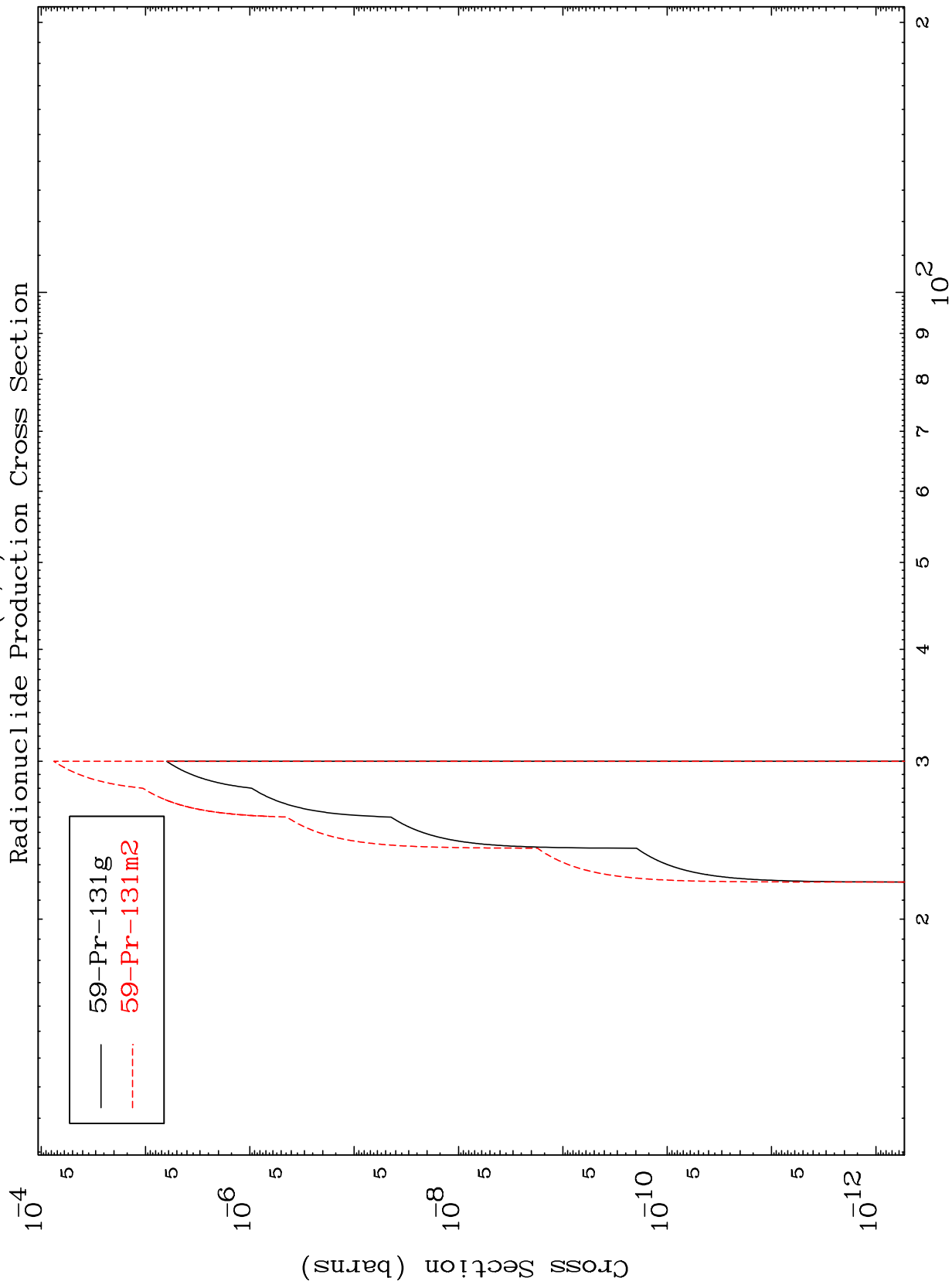
Incident Energy (MeV)

60-Nd-133m

MAT 5999

(n,d) α

60-Nd-133m



19

Incident Energy (MeV)

60-Nd-133m