

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

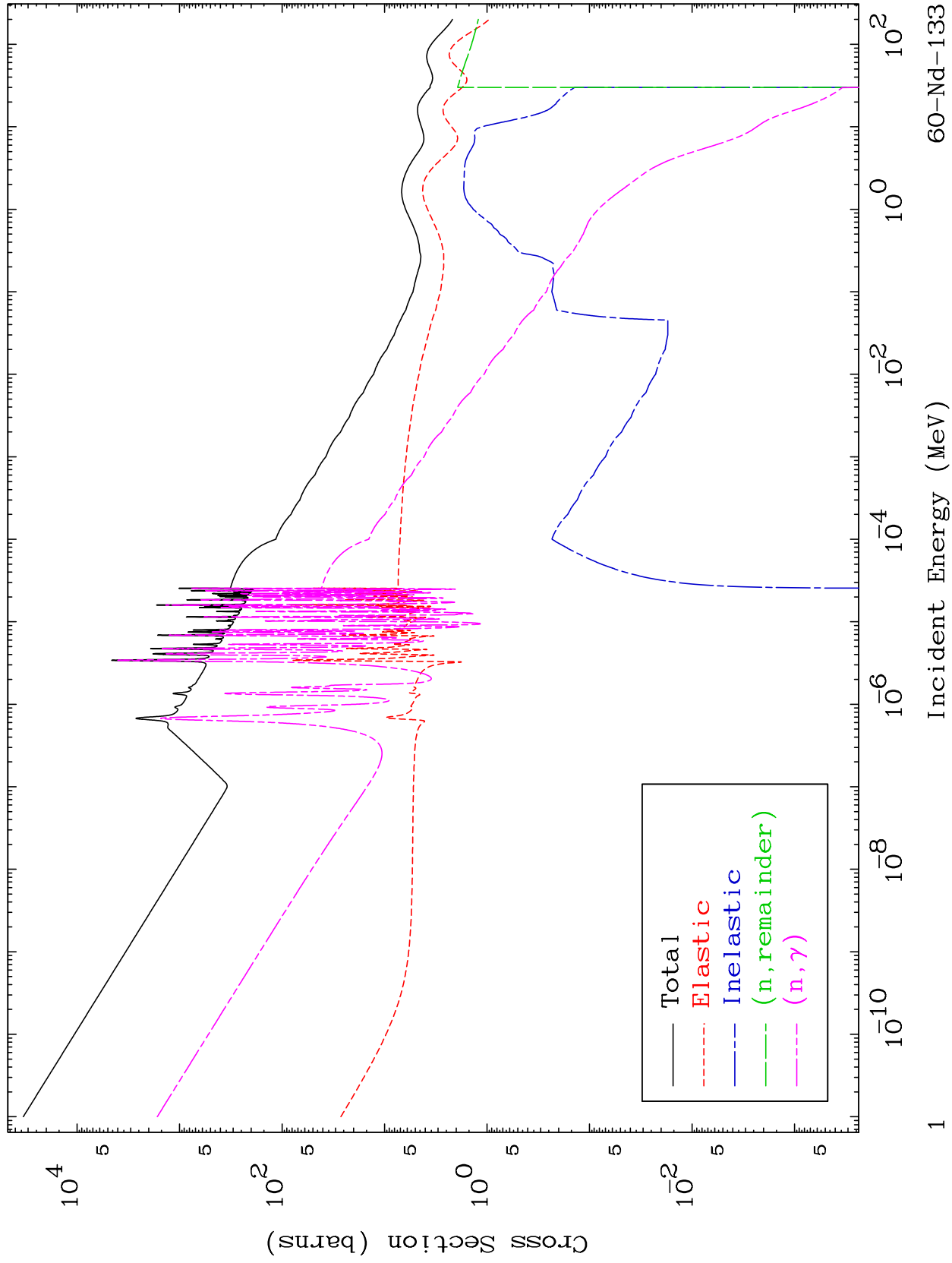
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5999

Major
293 Kelvin Cross Sections

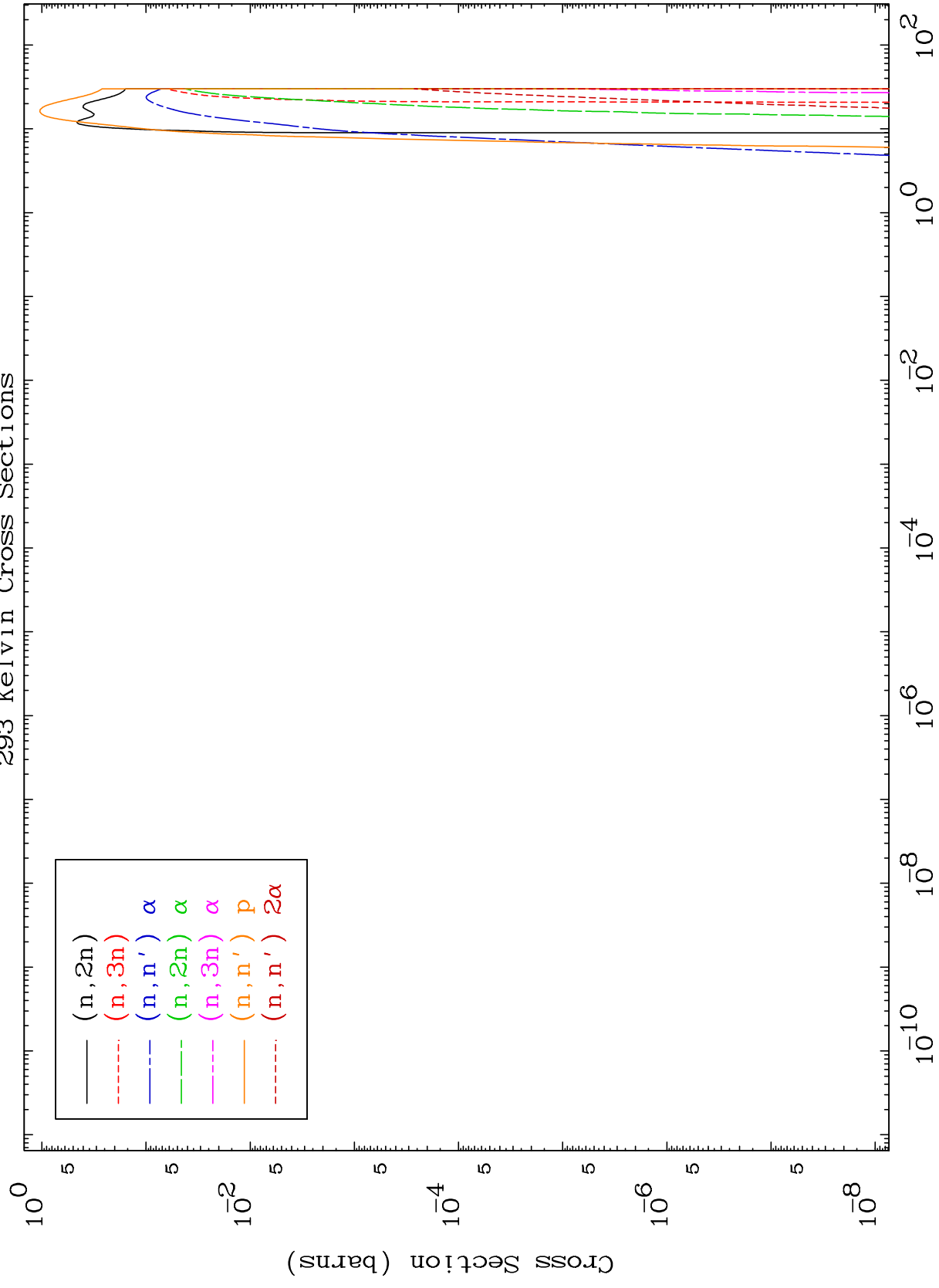
60-Nd-133



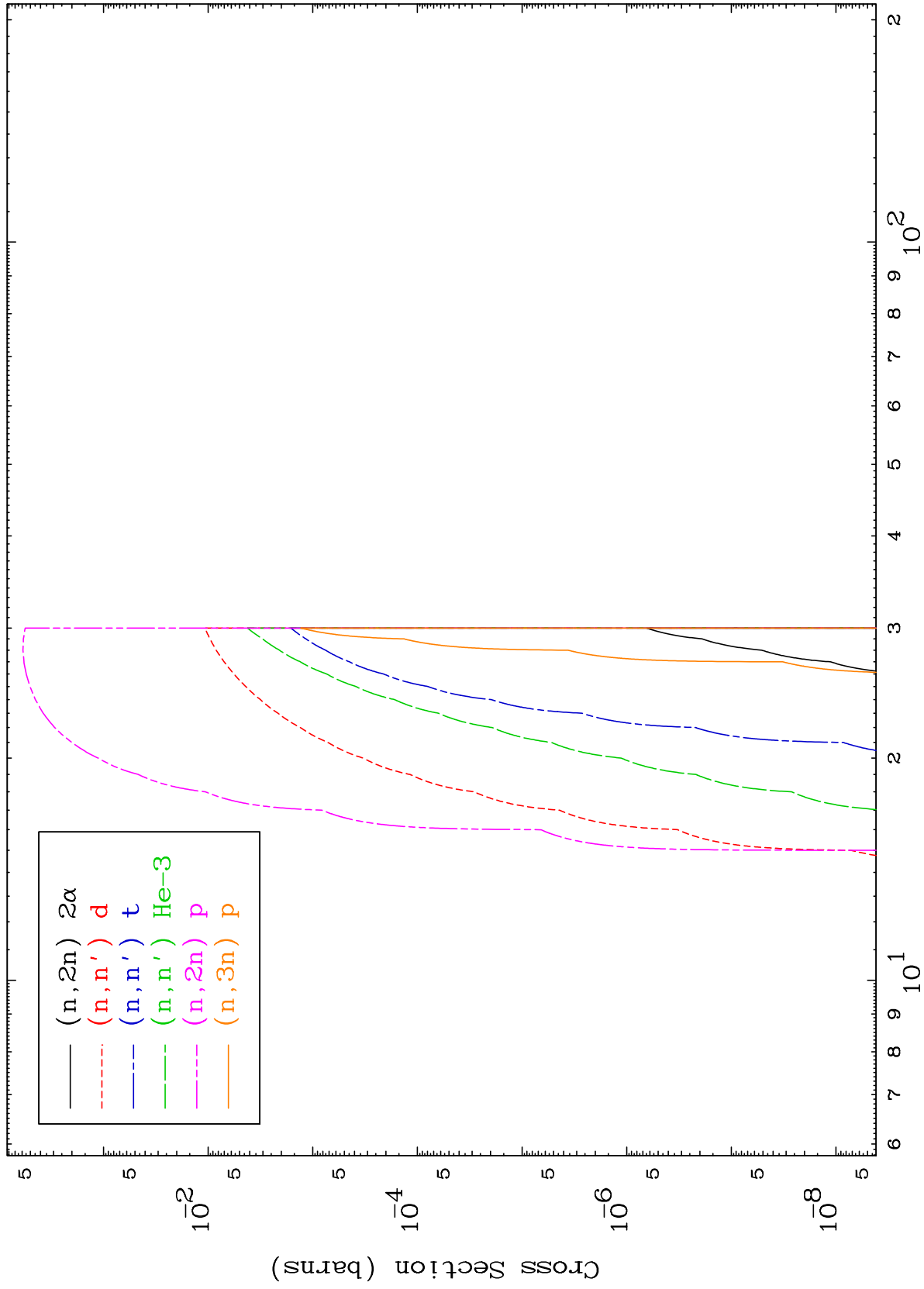
MAT 5999

Neutron Production
293 Kelvin Cross Sections

60-Nd-133



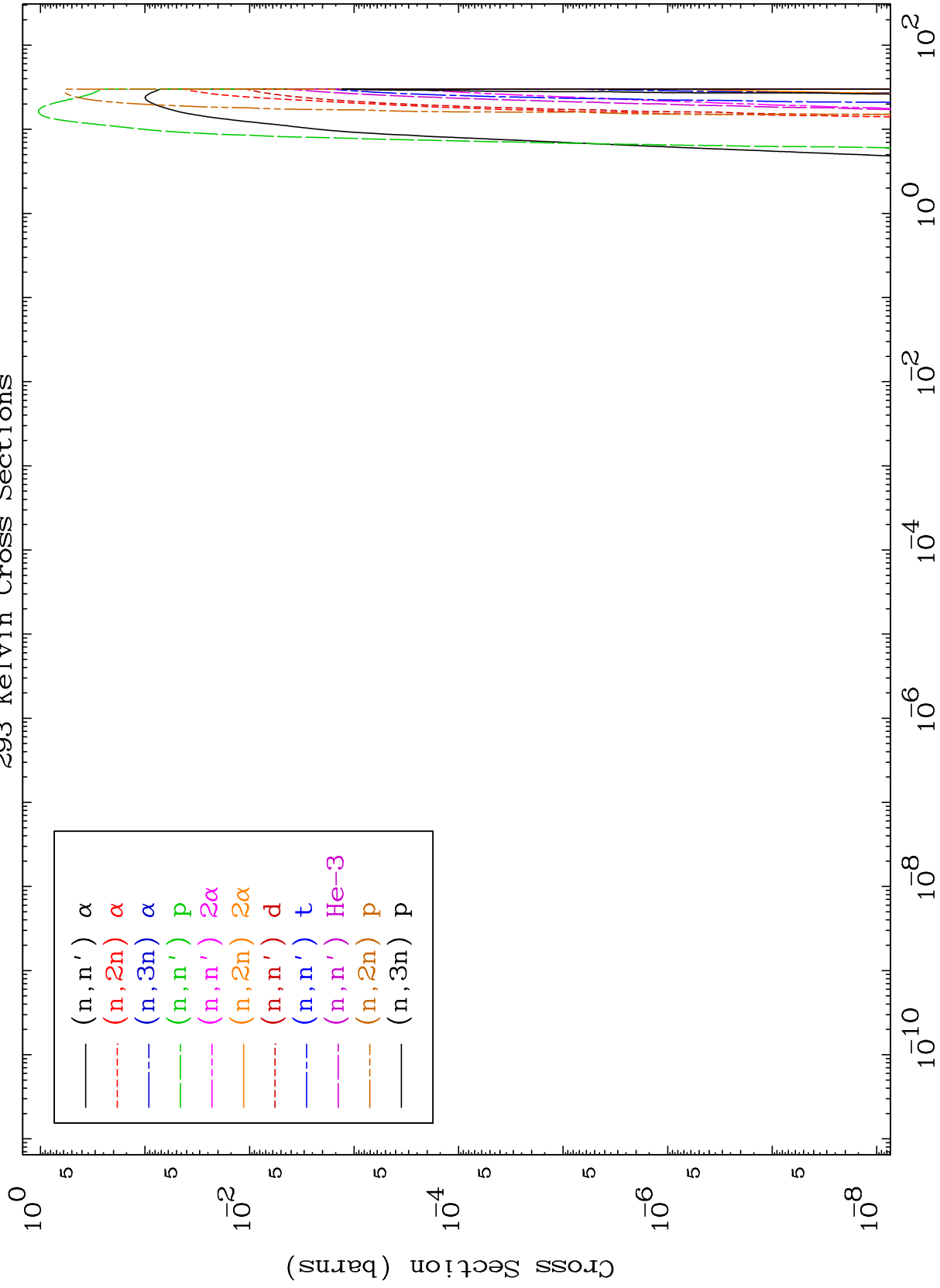
60-Nd-133



MAT 5999

Charged Particle
293 Kelvin Cross Sections

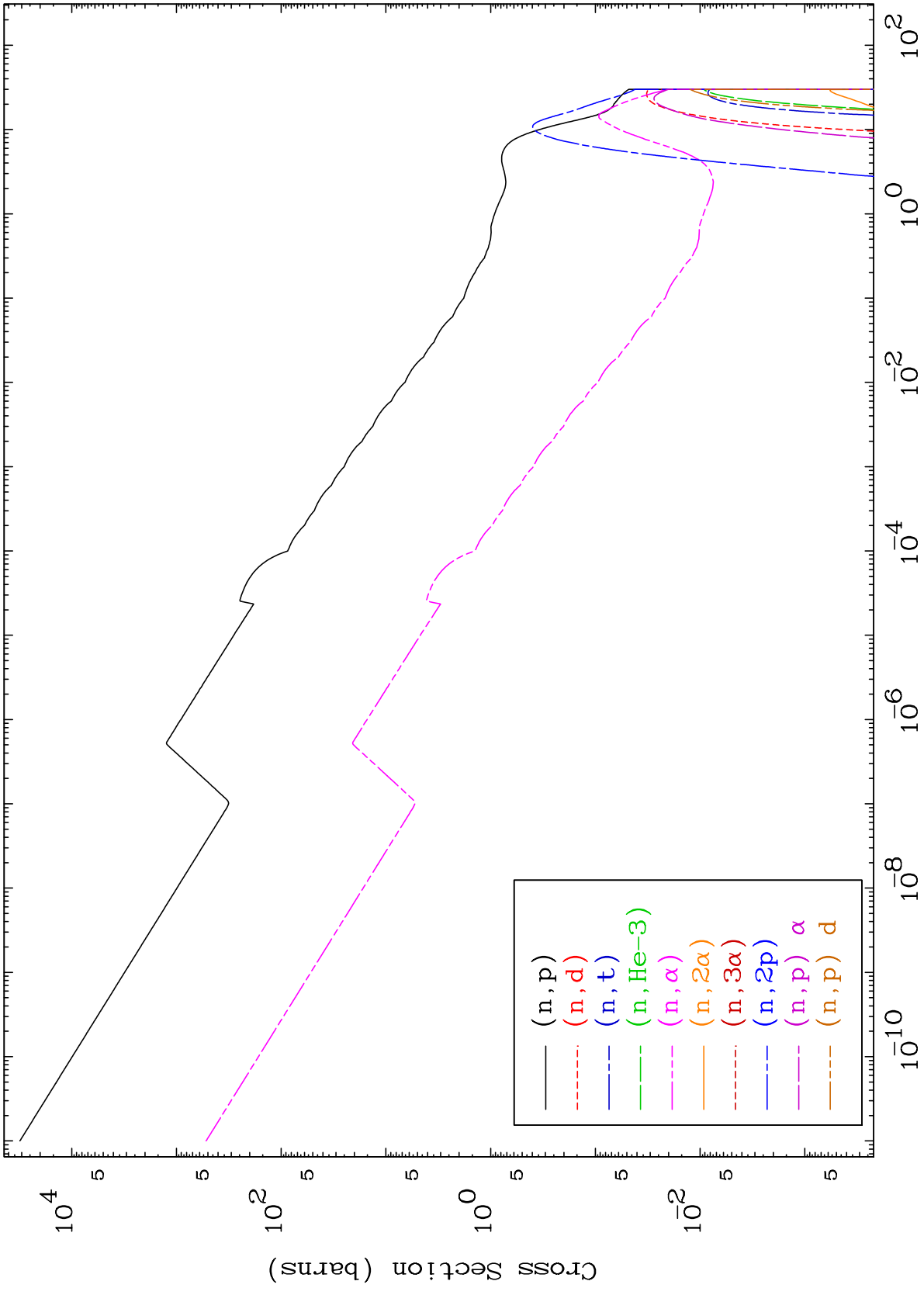
60-Nd-133



MAT 5999

293 Kelvin Cross Sections

60-Nd-133

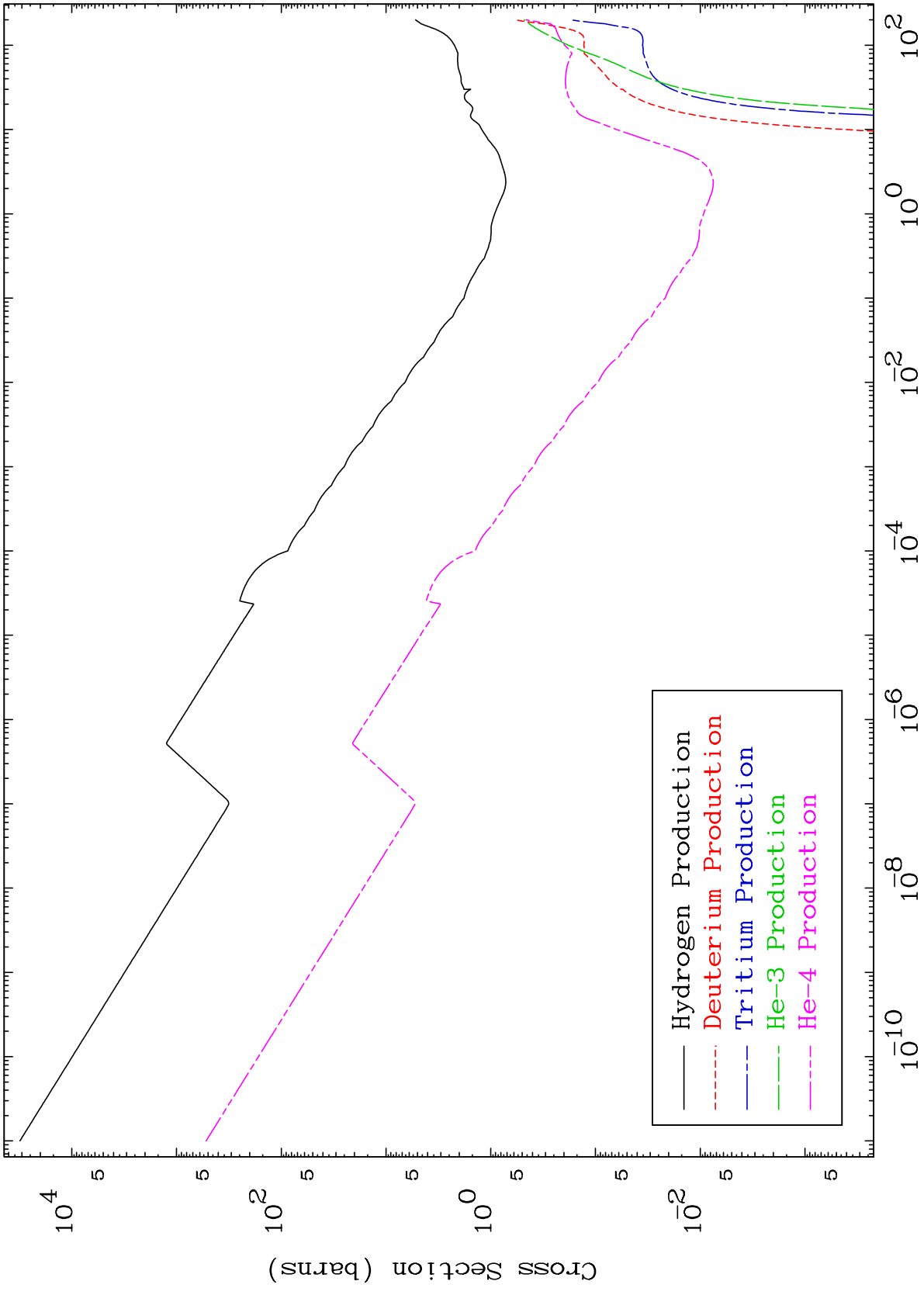


60-Nd-133

MAT 5999

Particle Production
293 Kelvin Cross Sections

60-Nd-133

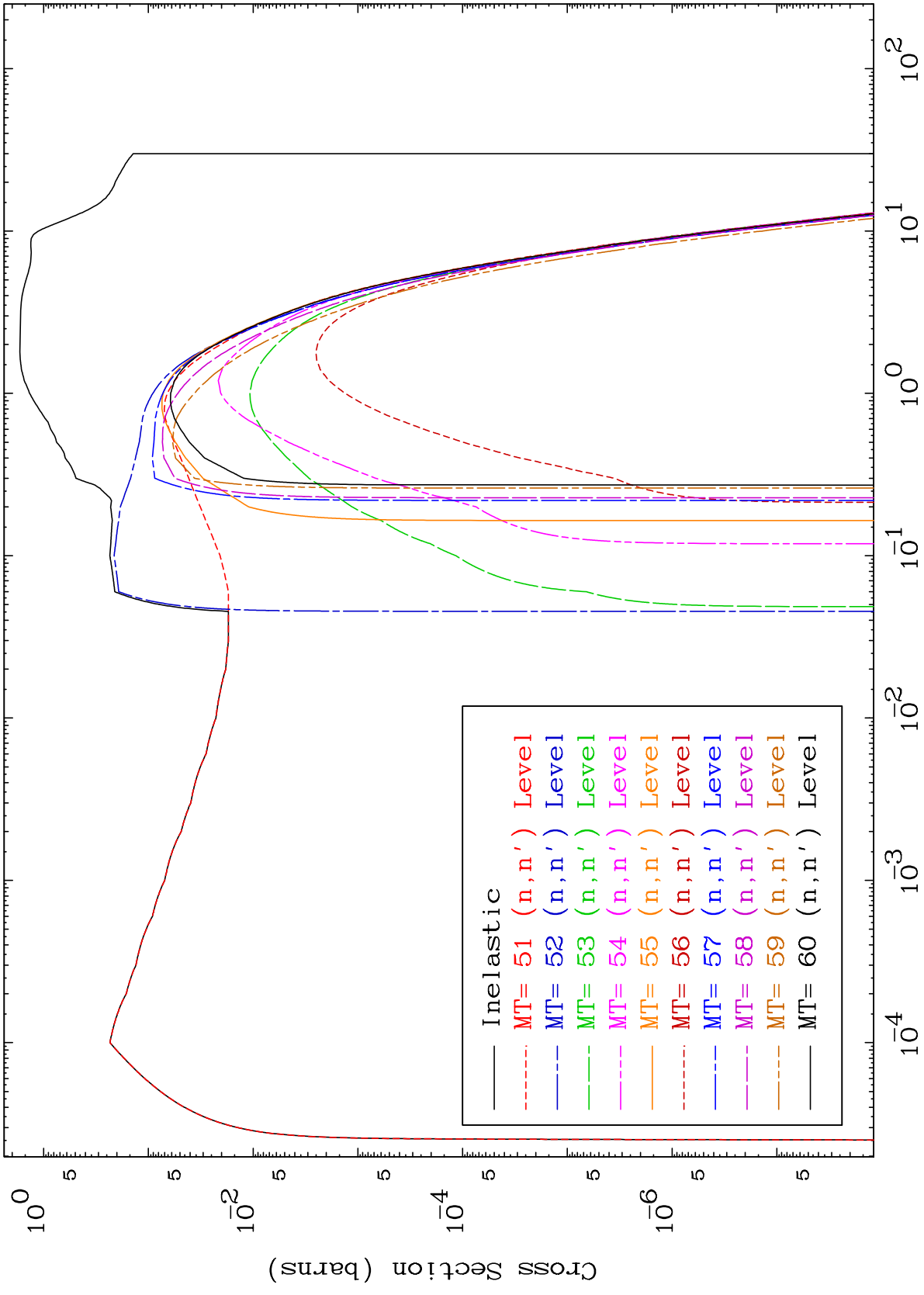


60-Nd-133

MAT 5999

(n,n') Level
293 Kelvin Cross Sections

60-Nd-133

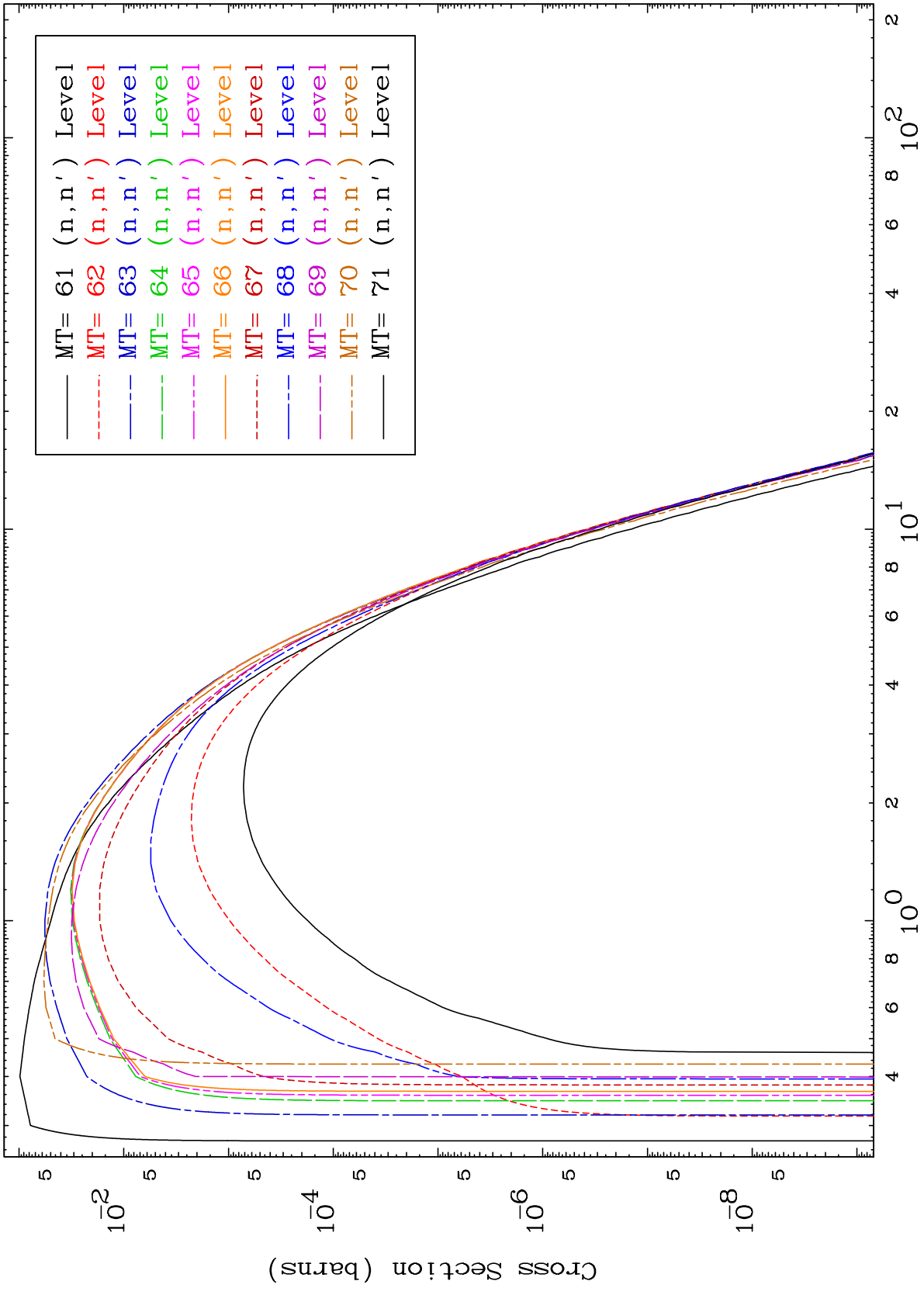


60-Nd-133

MAT 5999

(n,n') Level
293 Kelvin Cross Sections

60-Nd-133



8

Incident Energy (MeV)

60-Nd-133

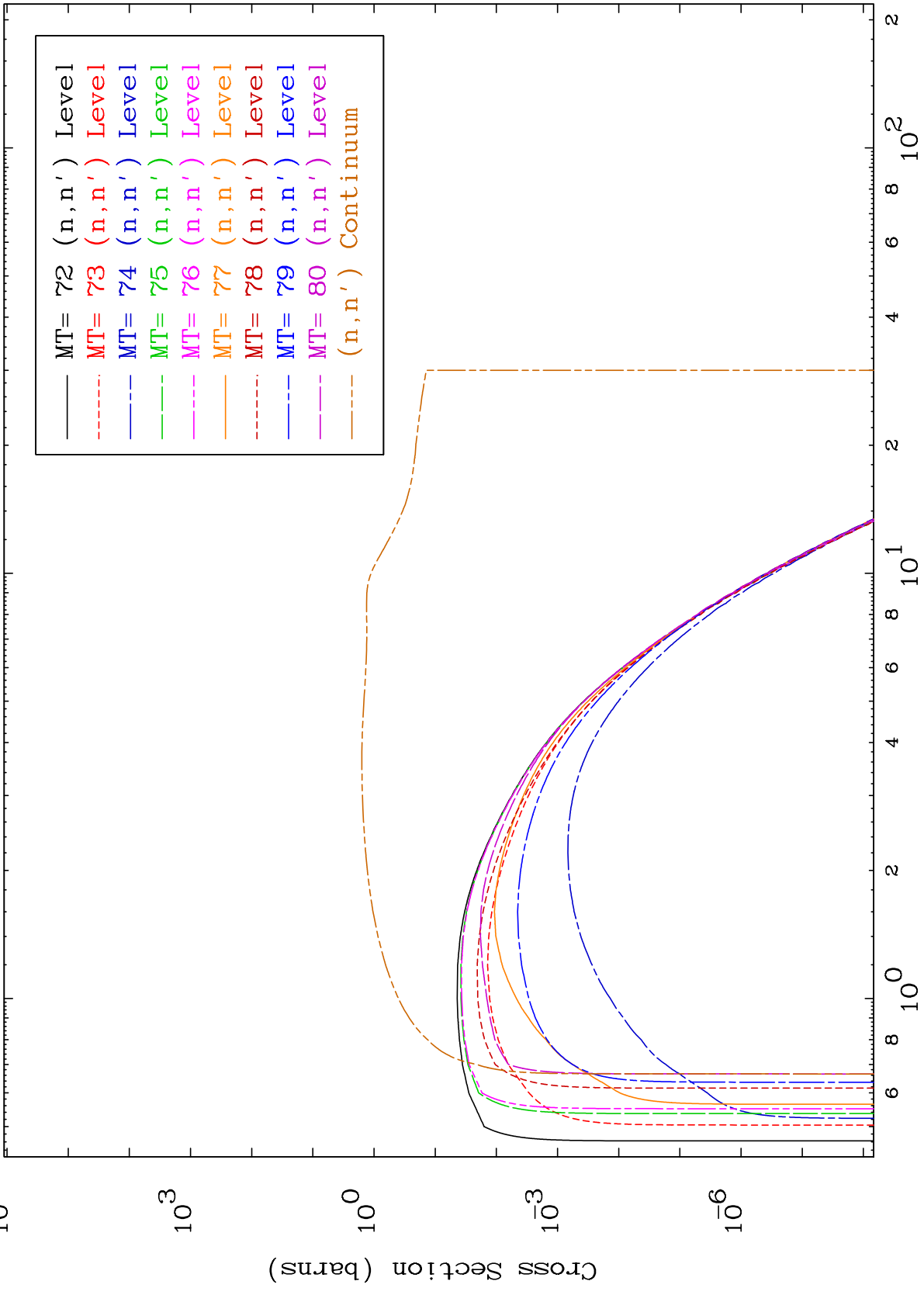
MAT 5999

(n,n') Level

60-Nd-133

293 Kelvin Cross Sections

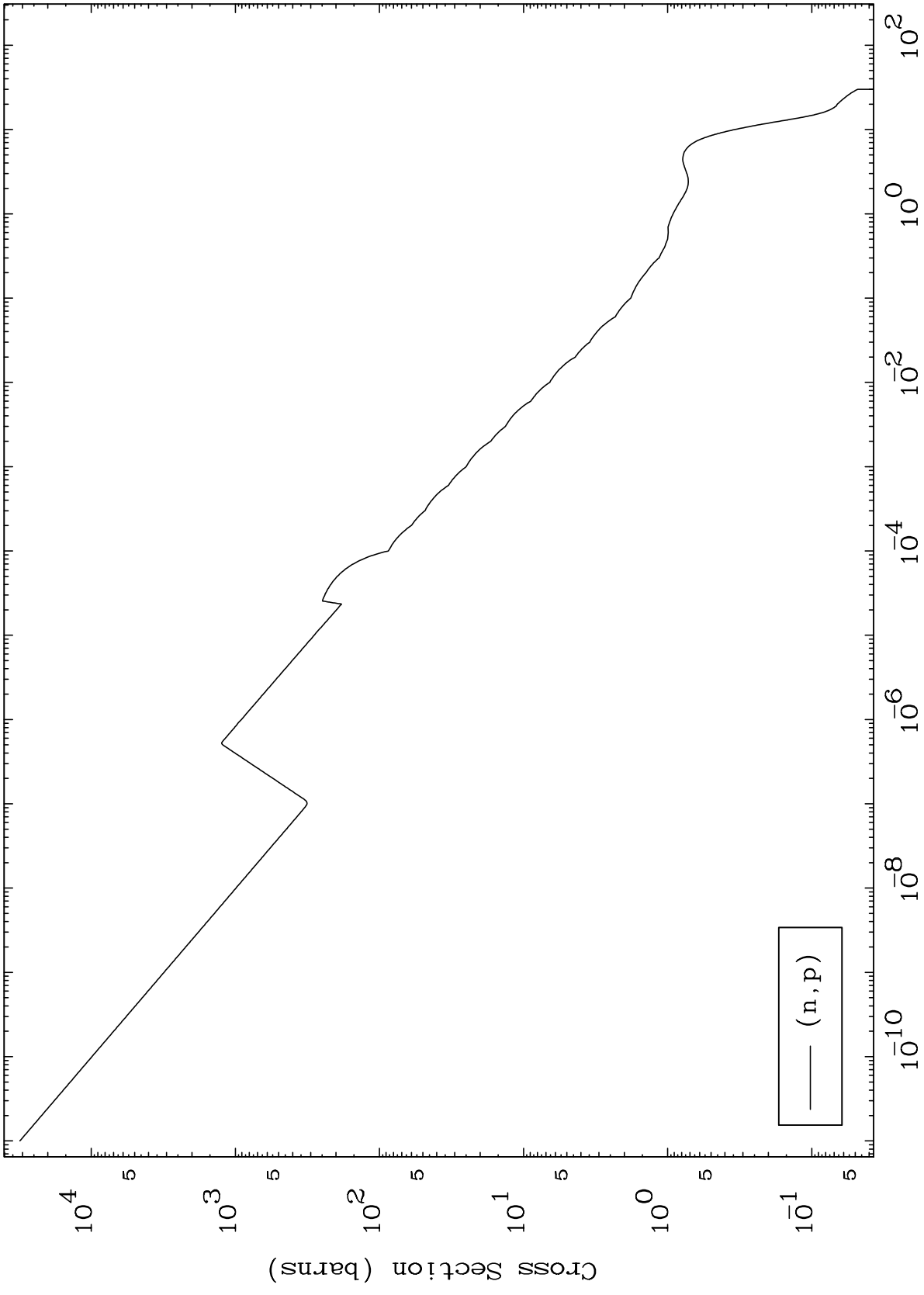
60-Nd-133



MAT 5999

(n,p) Levels
293 Kelvin Cross Sections

60-Nd-133



10

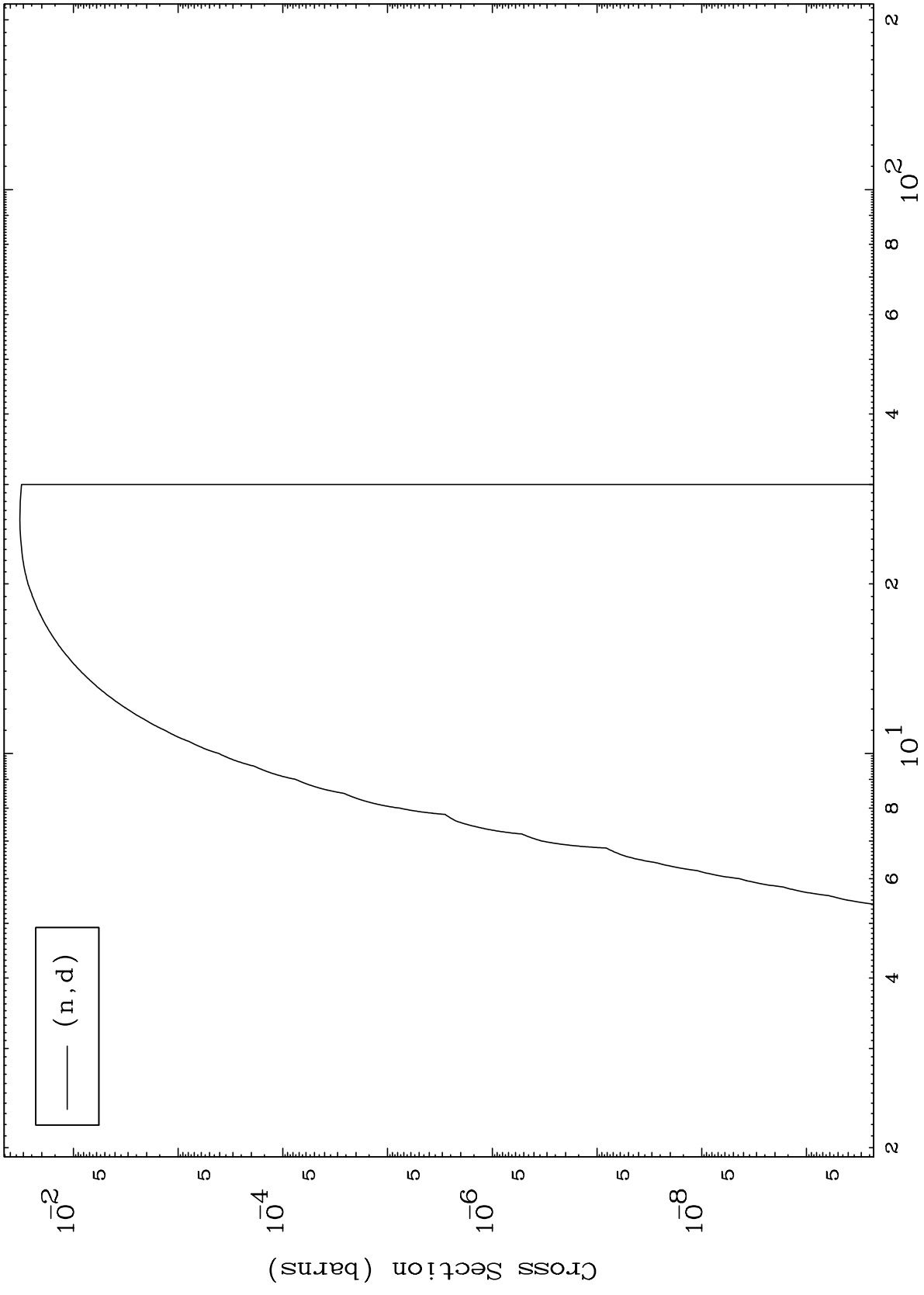
Incident Energy (MeV)

60-Nd-133

MAT 5999

(n,d) Levels
293 Kelvin Cross Sections

60-Nd-133



11

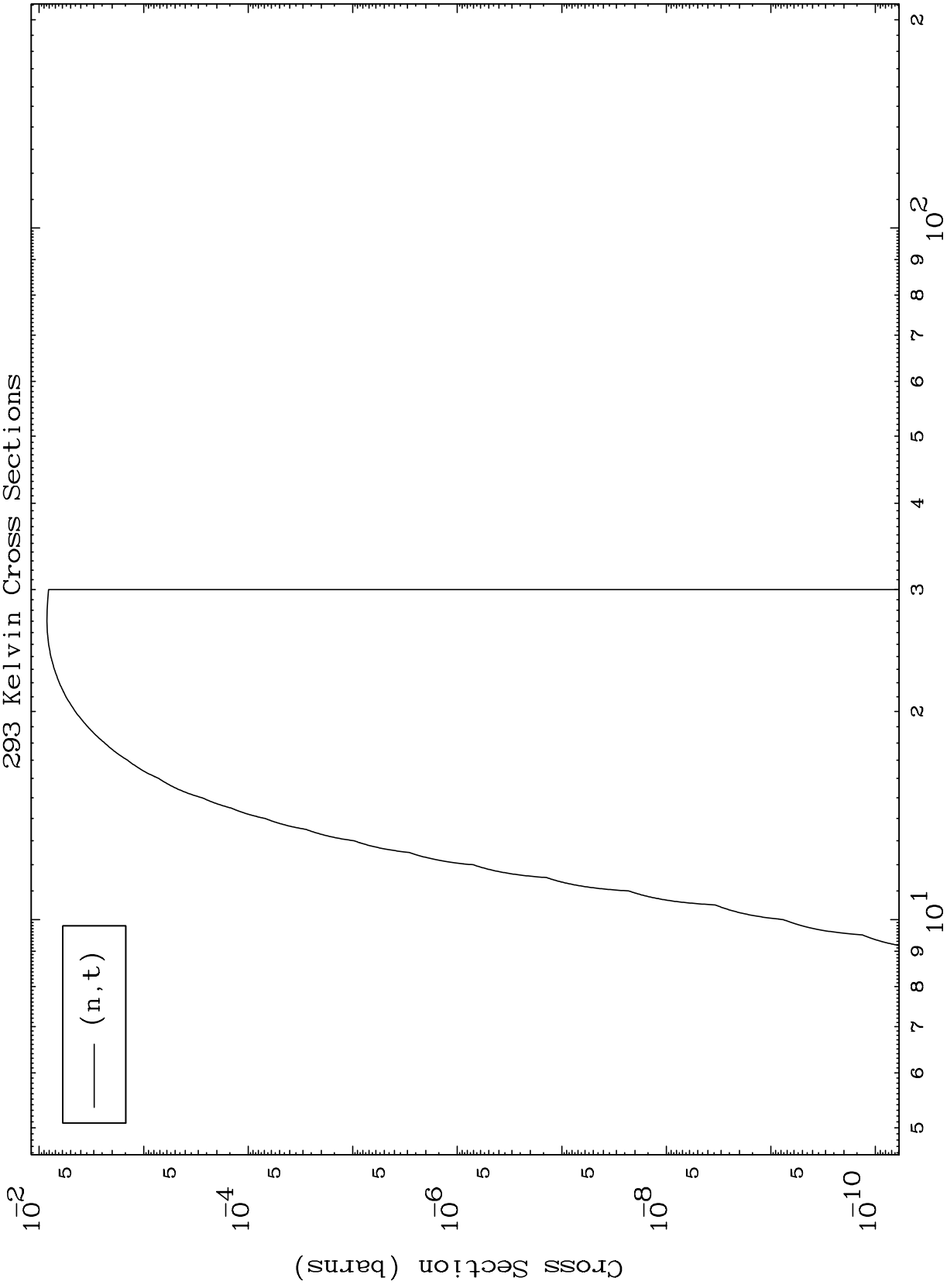
Incident Energy (MeV)

60-Nd-133

MAT 5999

60-Nd-133

(n,t) Levels
293 Kelvin Cross Sections



12

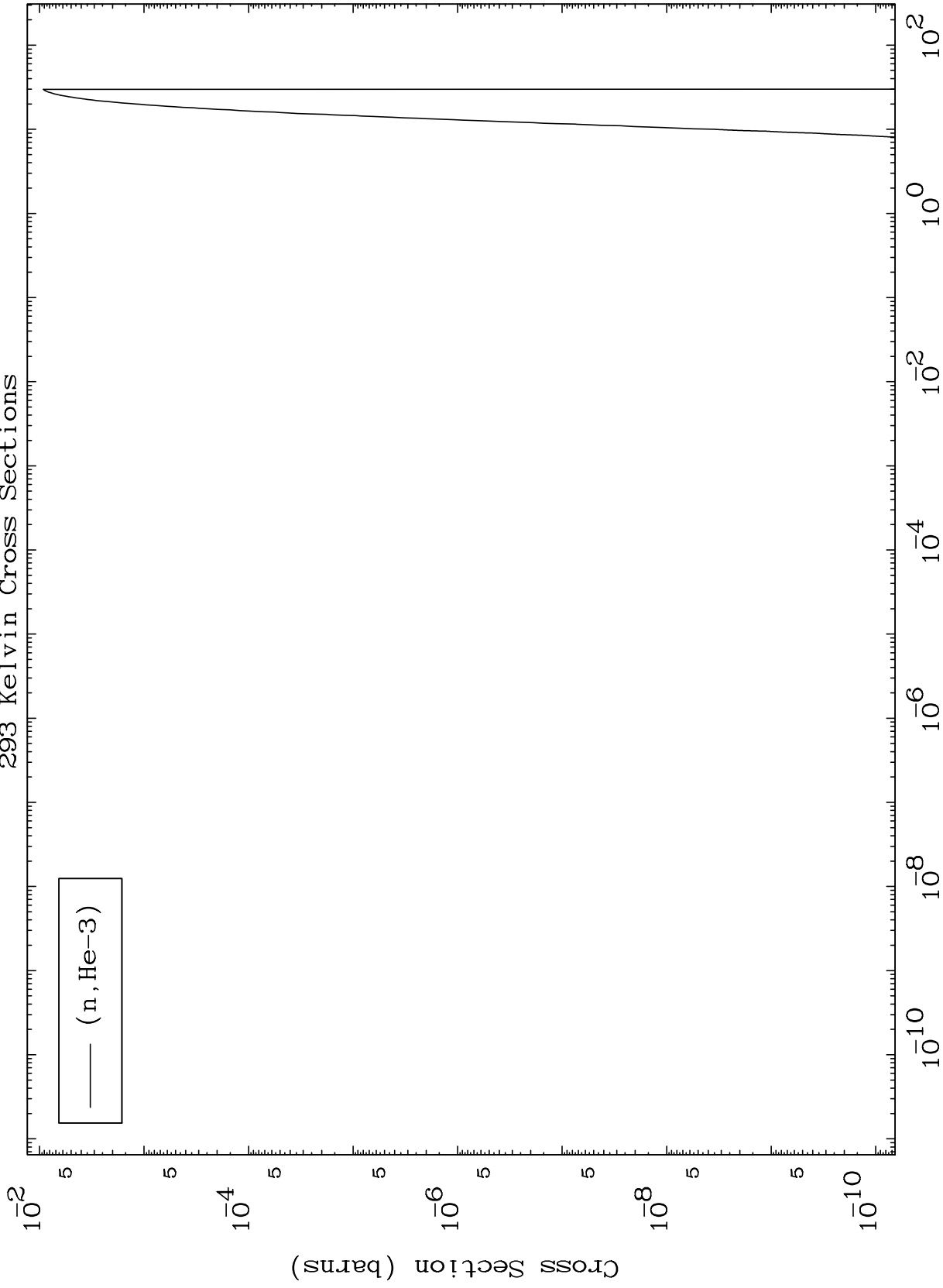
Incident Energy (MeV)

60-Nd-133

MAT 5999

(n,He3) Levels
293 Kelvin Cross Sections

60-Nd-133



13

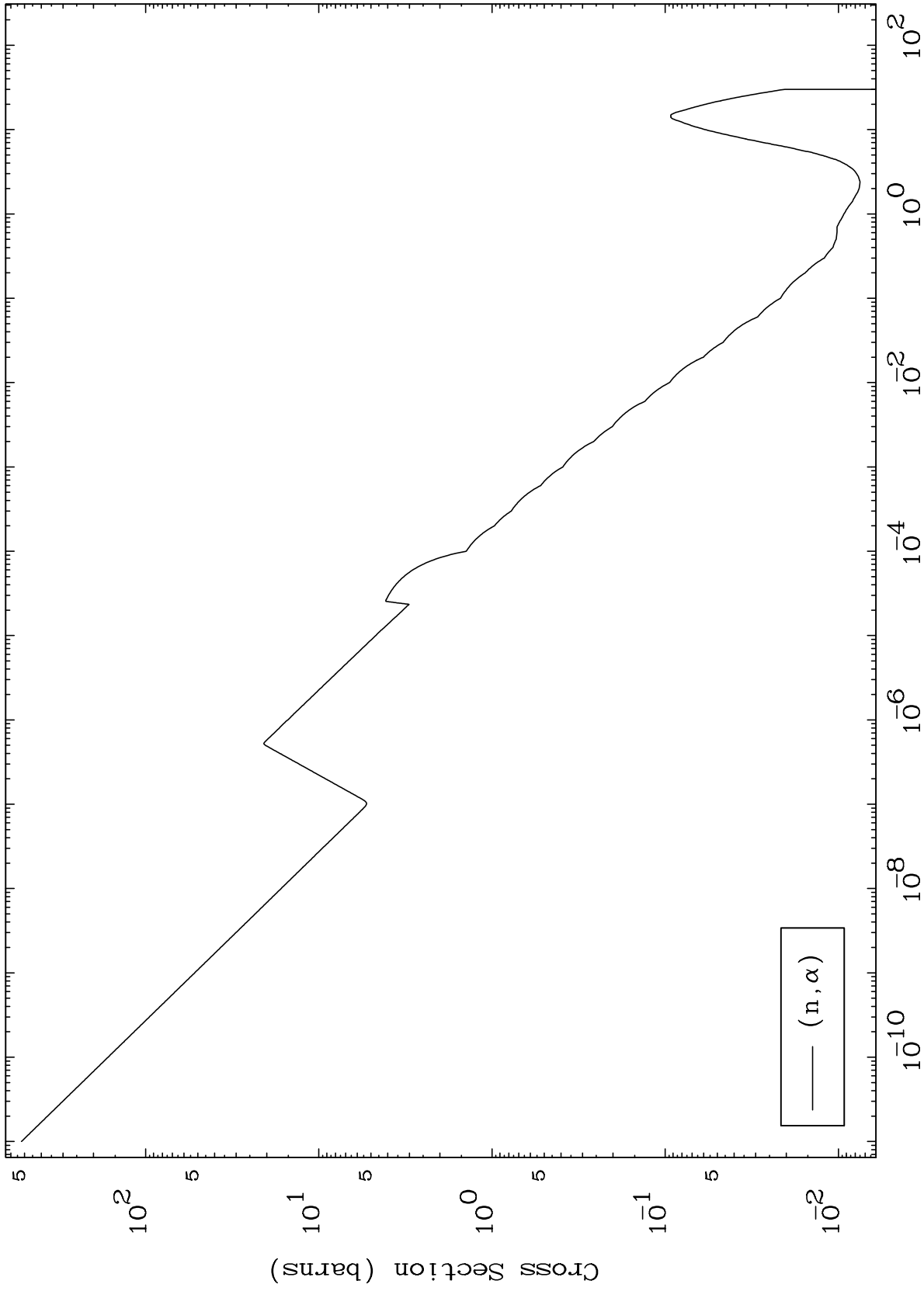
Incident Energy (MeV)

60-Nd-133

MAT 5999

(n,α) Levels
293 Kelvin Cross Sections

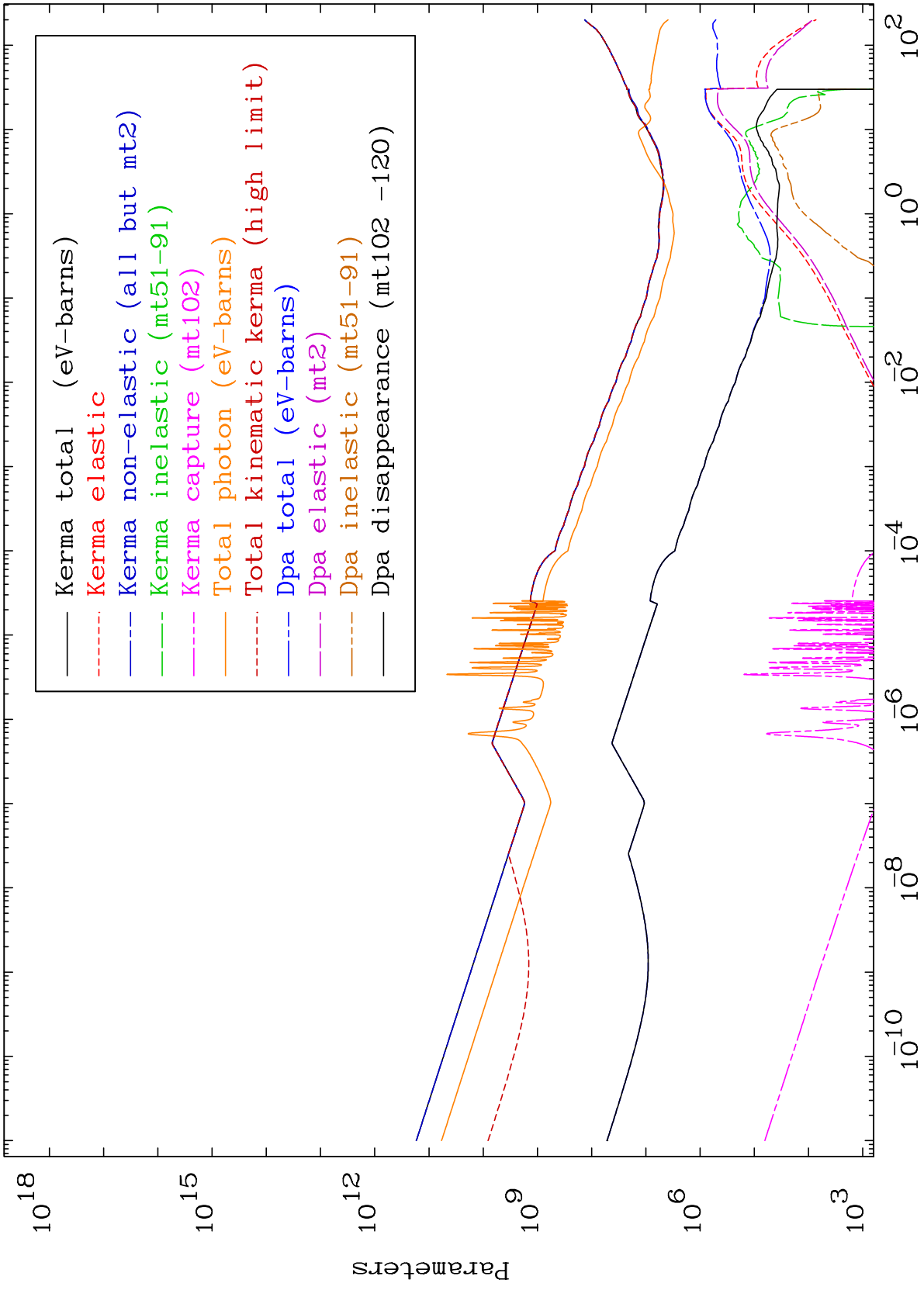
60-Nd-133



14

Incident Energy (MeV)

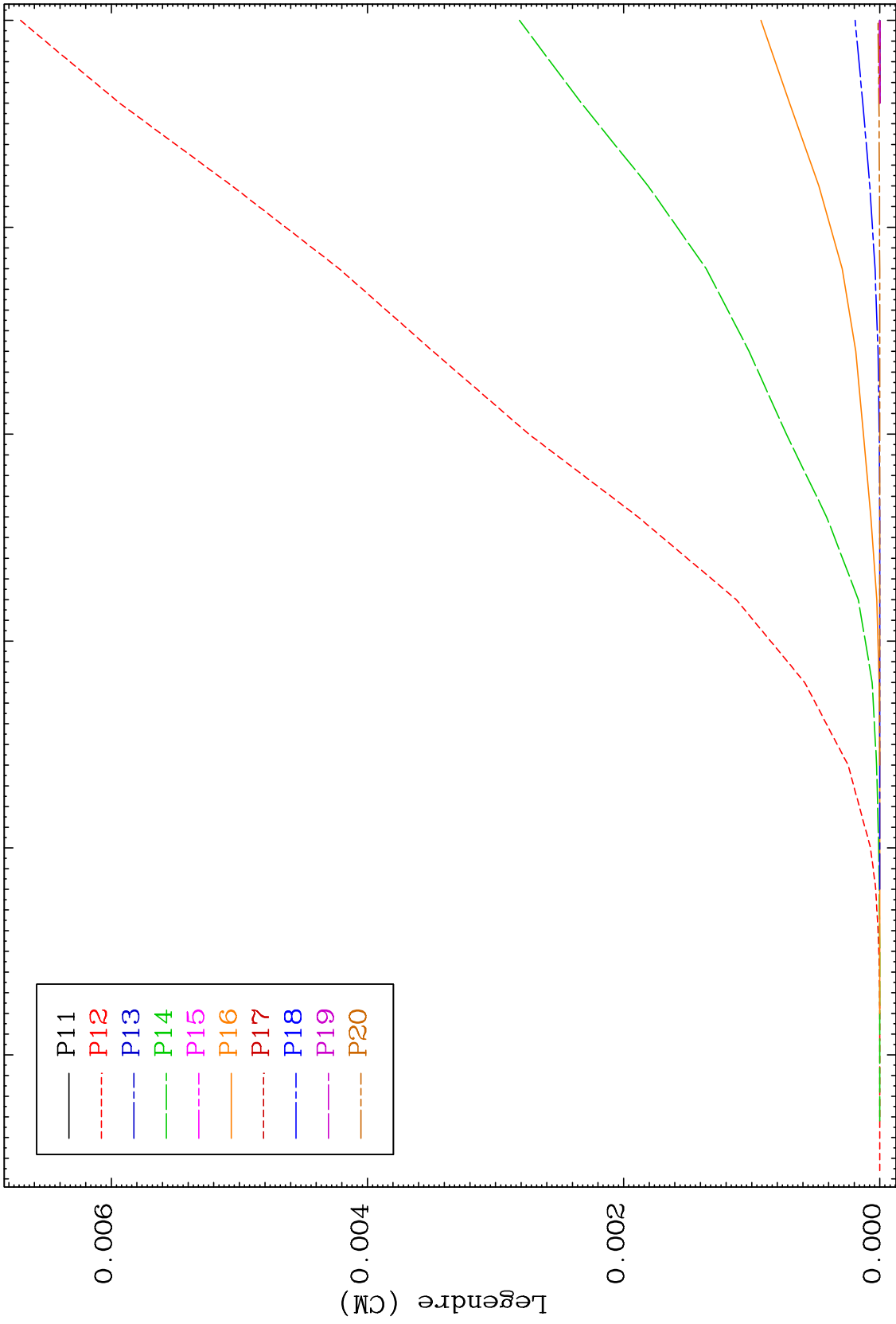
60-Nd-133



MAT 5999

Elastic Legendre Coefficients

60-Nd-133



17

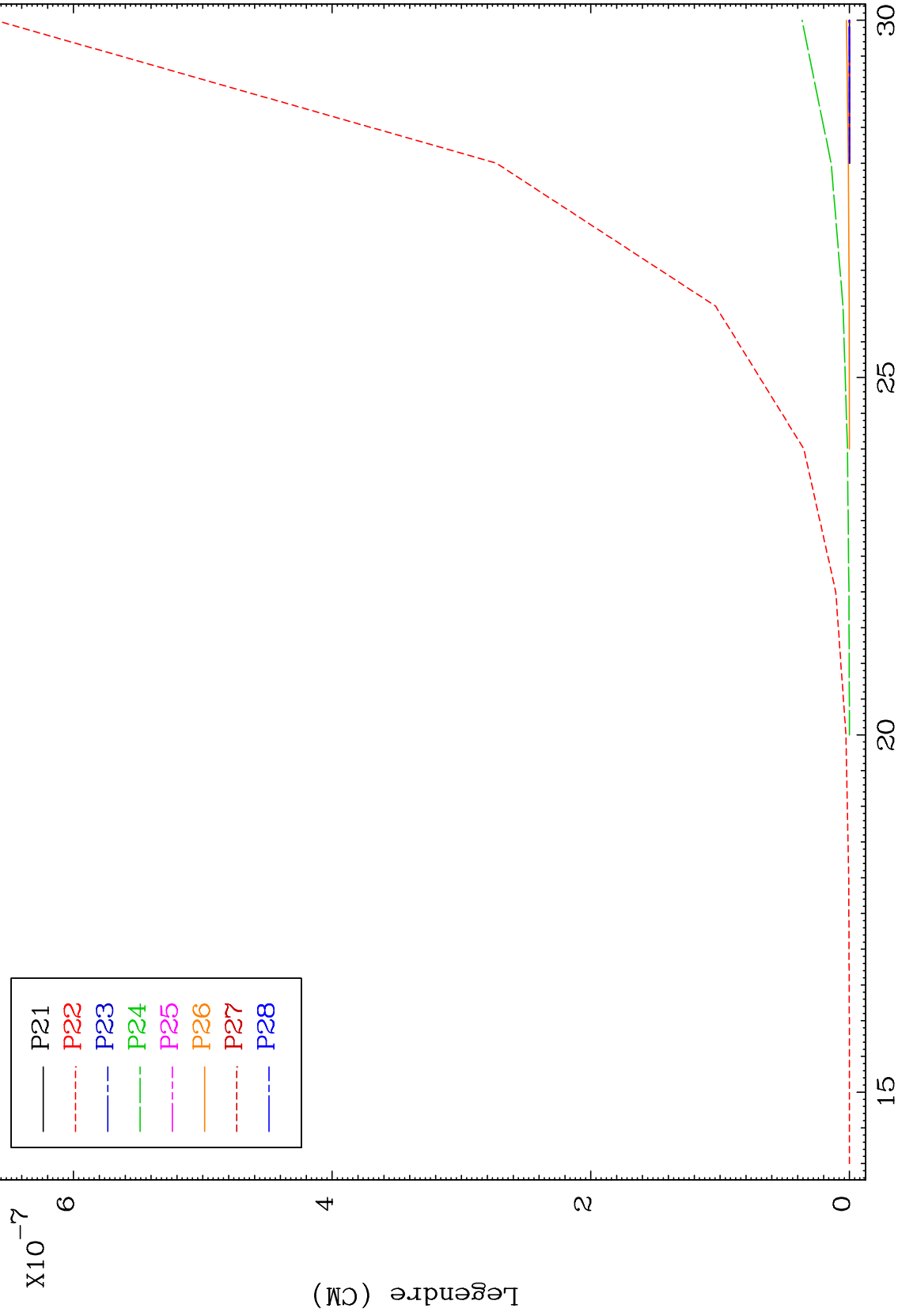
Incident Energy (MeV)

60-Nd-133

MAT 5999

Elastic Legendre Coefficients

60-Nd-133



18

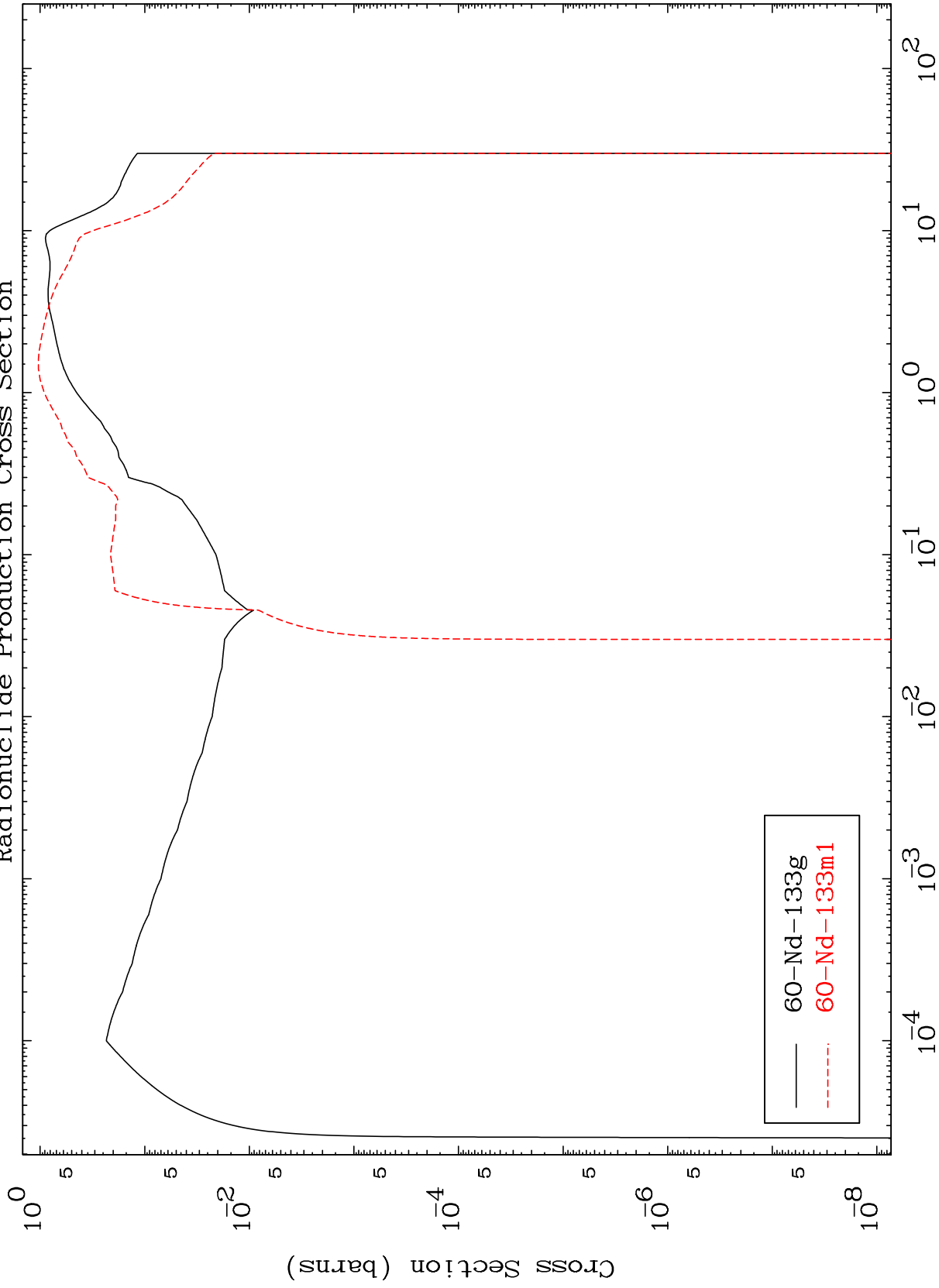
Incident Energy (MeV)

60-Nd-133

MAT 5999

60-Nd-133

Inelastic
Radionuclide Production Cross Section



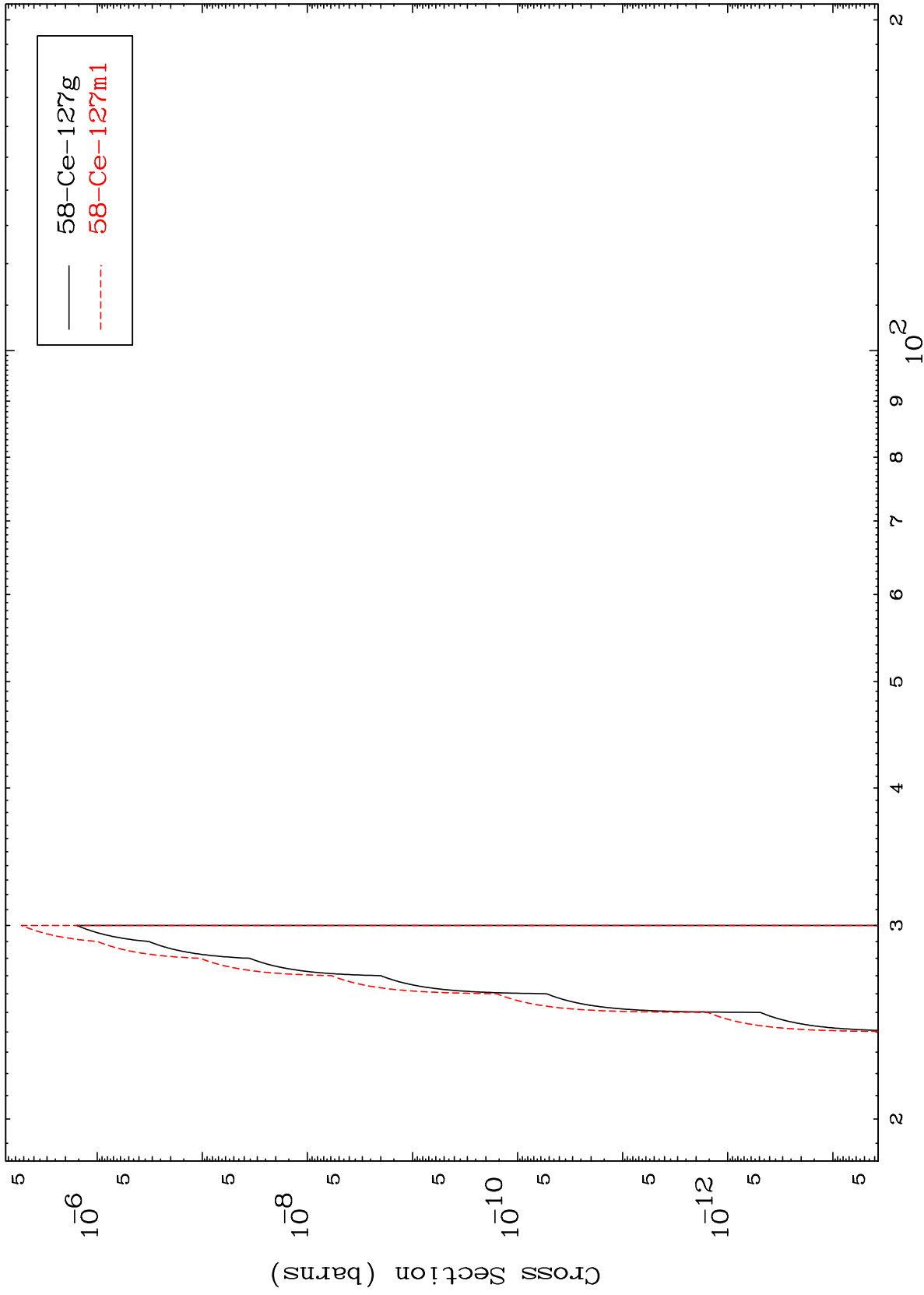
— 60-Nd-133g
- - - 60-Nd-133m1

MAT 5999

$(n, 3n) \alpha$

$^{60}\text{Nd}-^{133}$

Radionuclide Production Cross Section



20

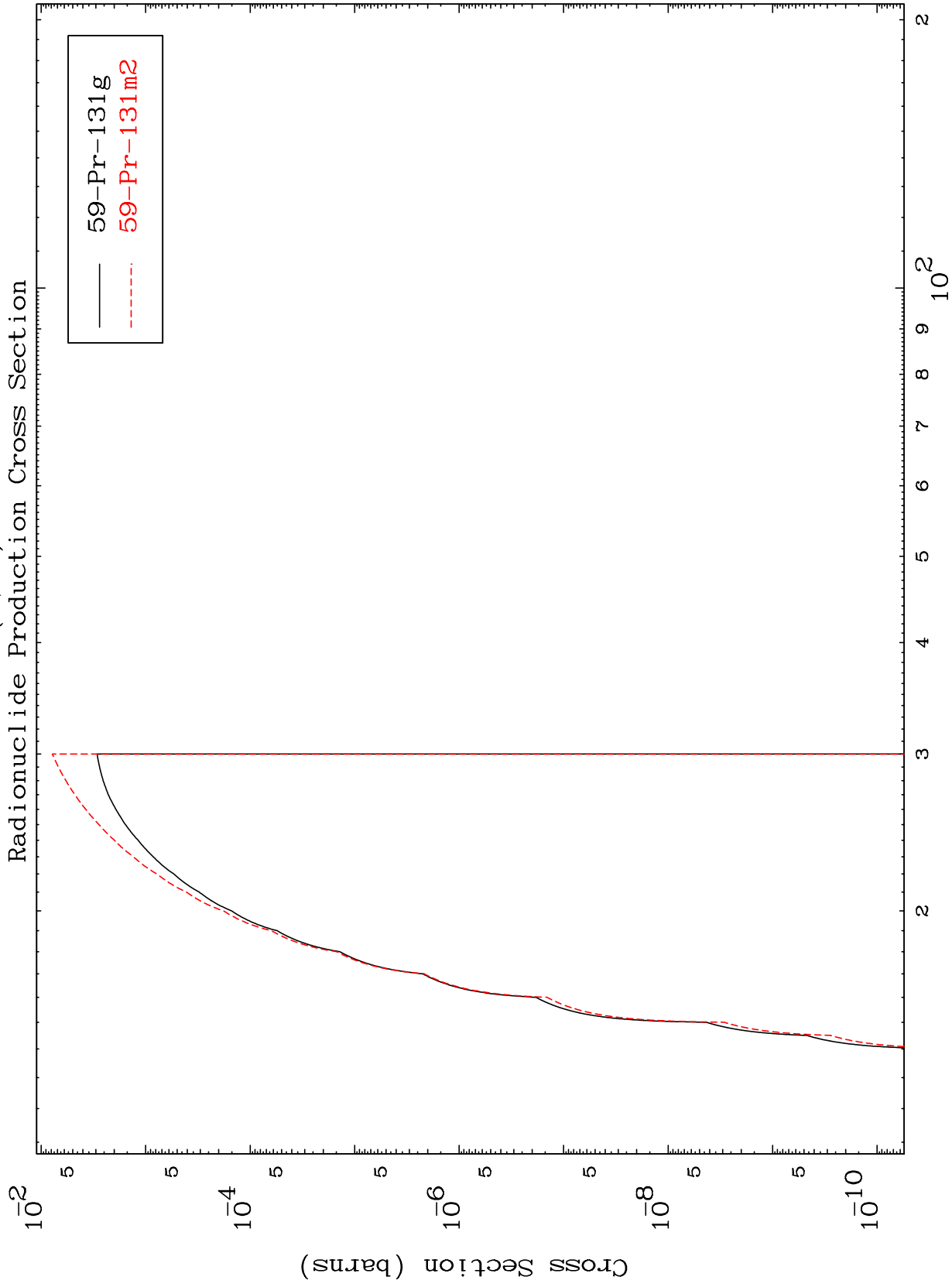
Incident Energy (MeV)

$^{60}\text{Nd}-^{133}$

MAT 5999

(n,n') d

60-Nd-133



21

Incident Energy (MeV)

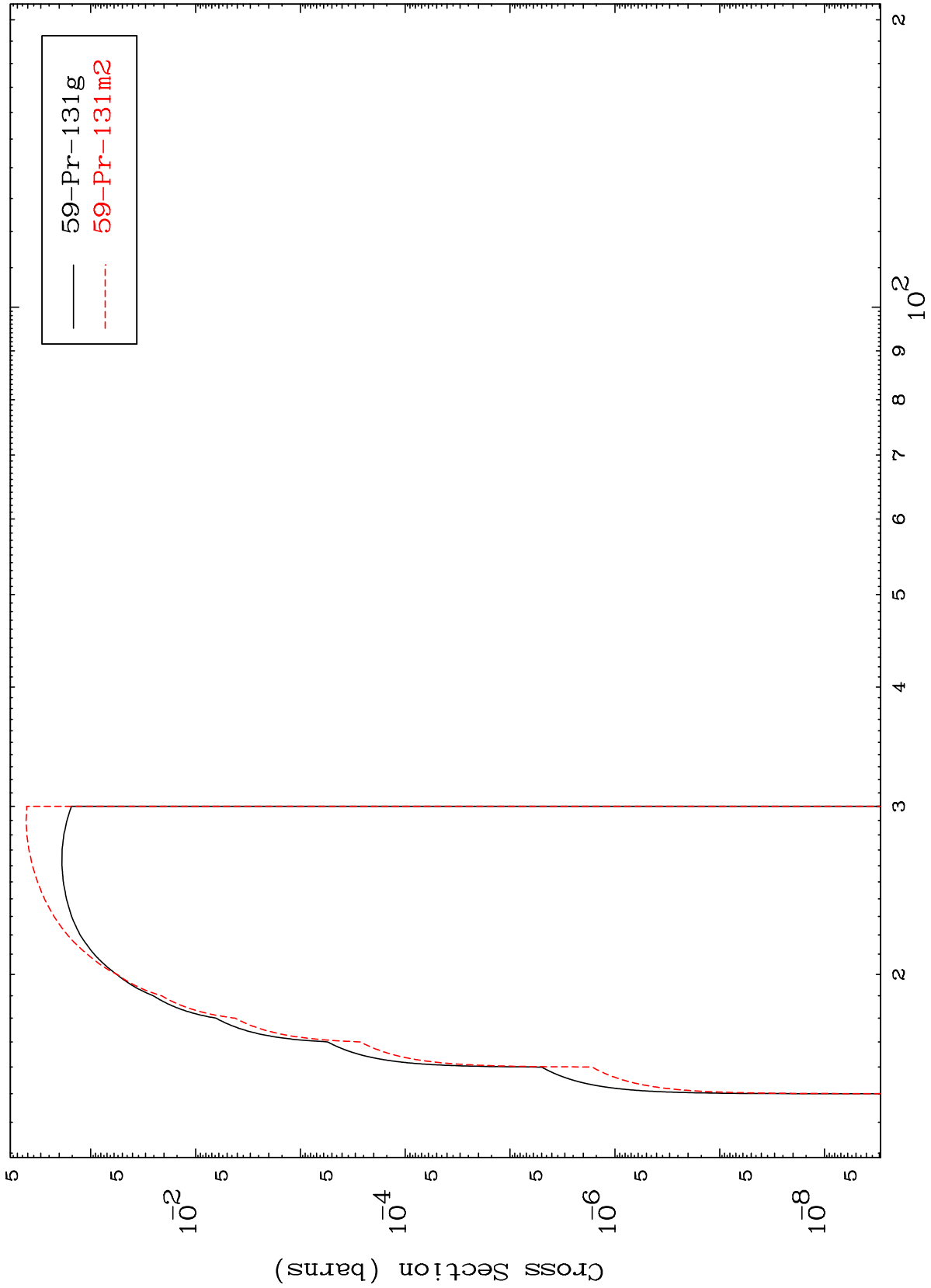
60-Nd-133

MAT 5999

(n,2n) p

60-Nd-133

Radionuclide Production Cross Section



22

Incident Energy (MeV)

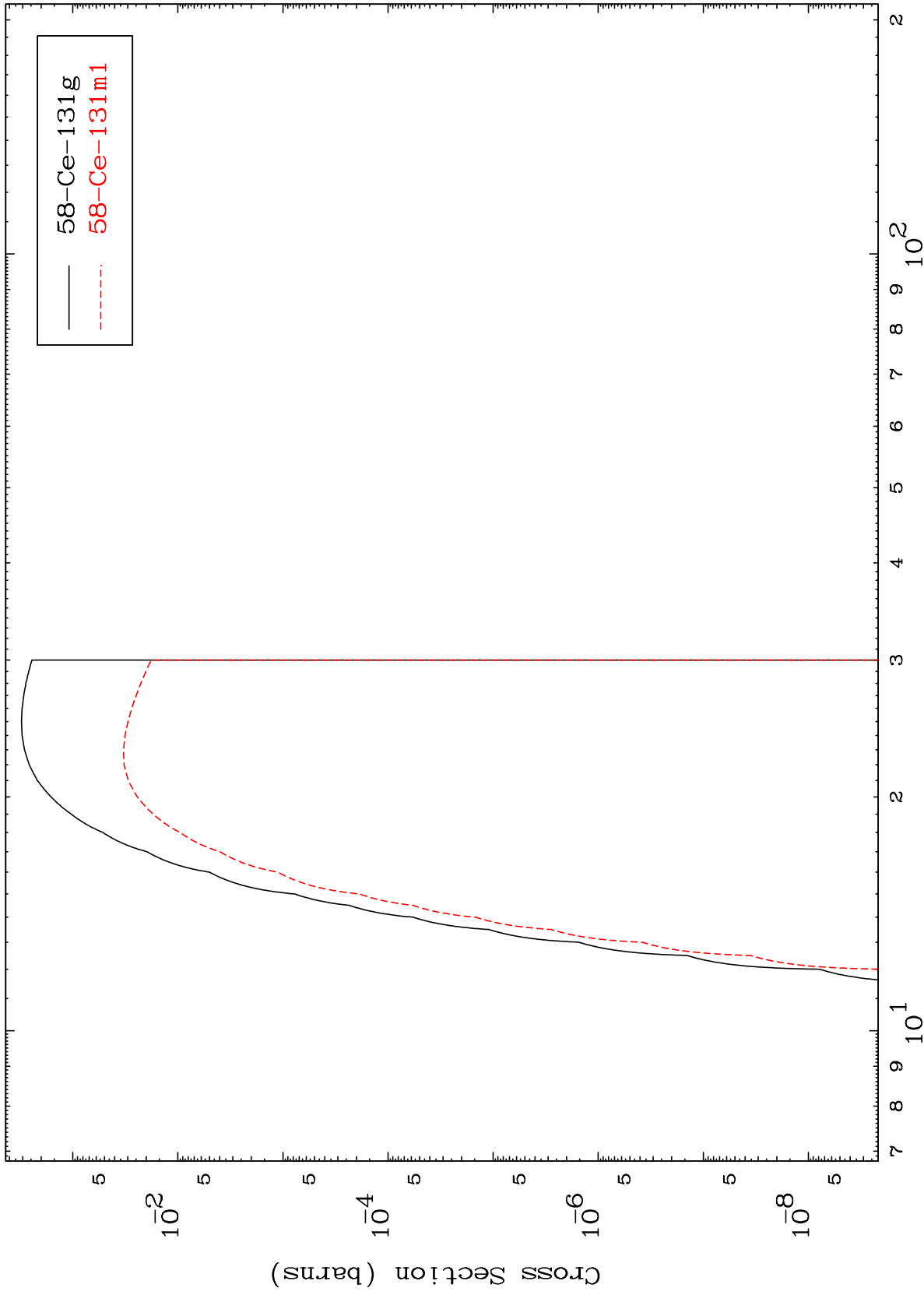
60-Nd-133

MAT 5999

(n,2n) p

60-Nd-133

Radionuclide Production Cross Section



23

Incident Energy (MeV)

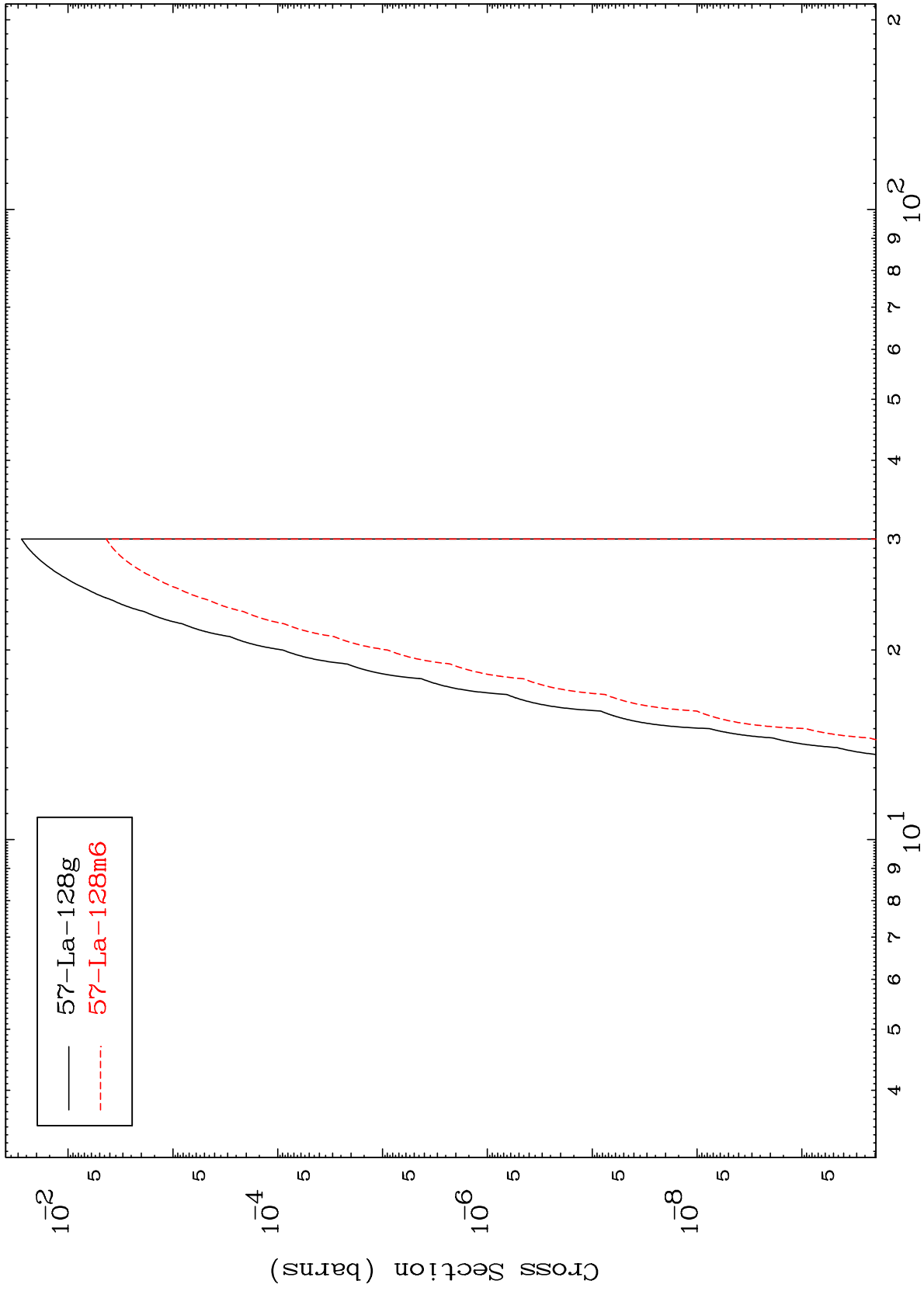
60-Nd-133

MAT 5999

(n,n') p α

60-Nd-133

Radionuclide Production Cross Section



57-La-128g
57-La-128m6

24

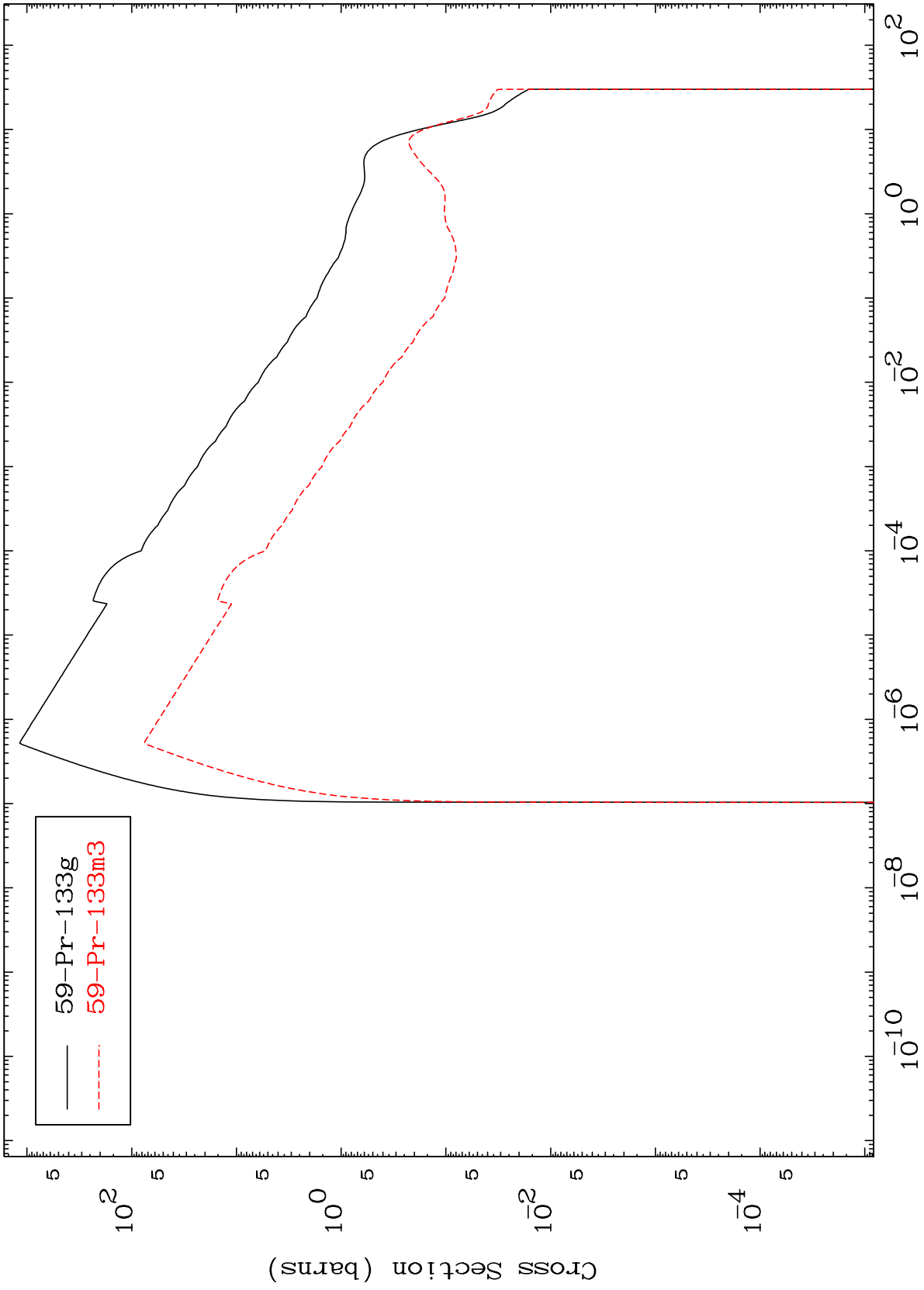
Incident Energy (MeV)

60-Nd-133

MAT 5999

Radionuclide Production Cross Section
(n,p)

60-Nd-133



25

Incident Energy (MeV)

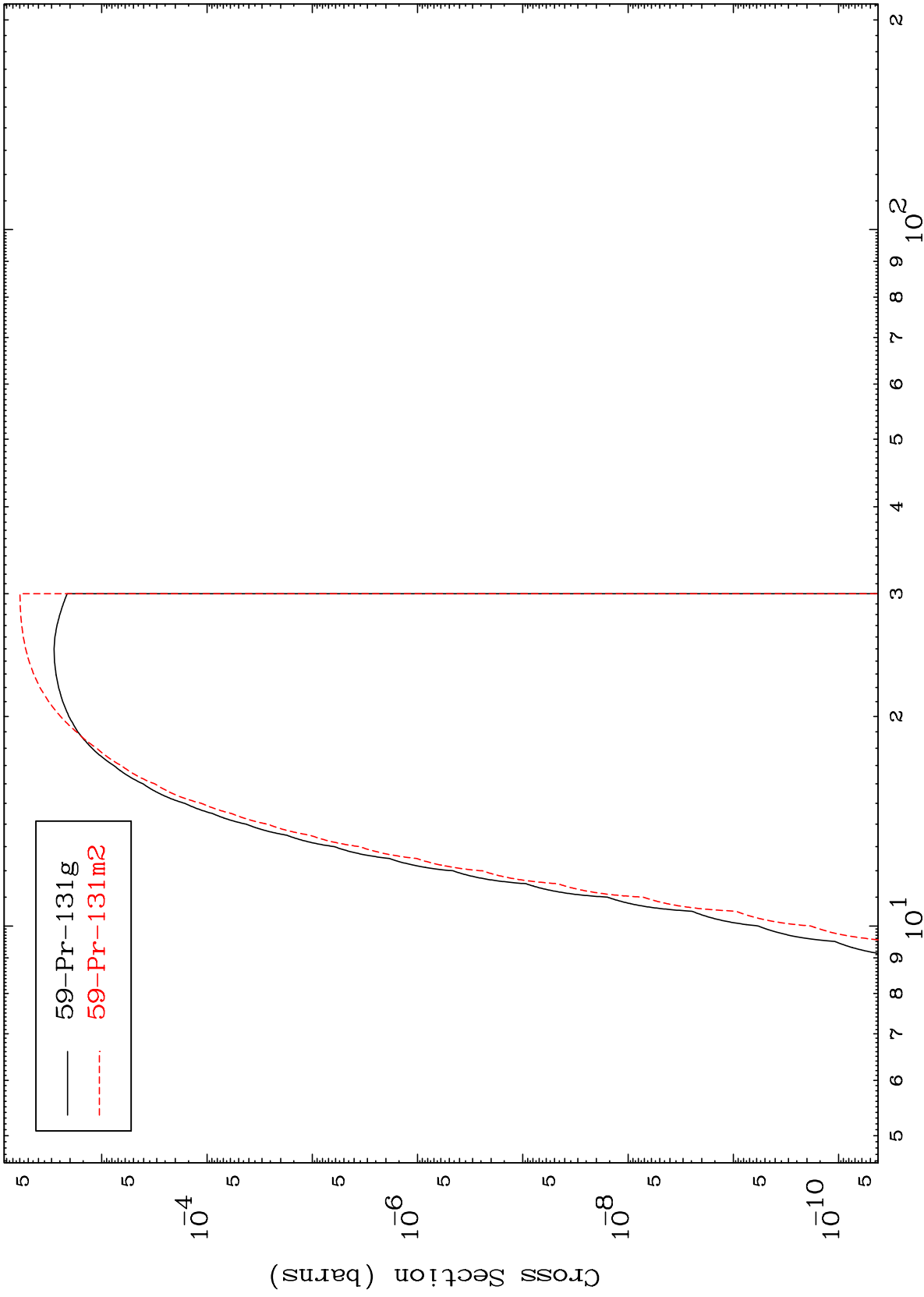
60-Nd-133

MAT 5999

60-Nd-133

Radionuclide Production Cross Section

(n, t)



26

Incident Energy (MeV)

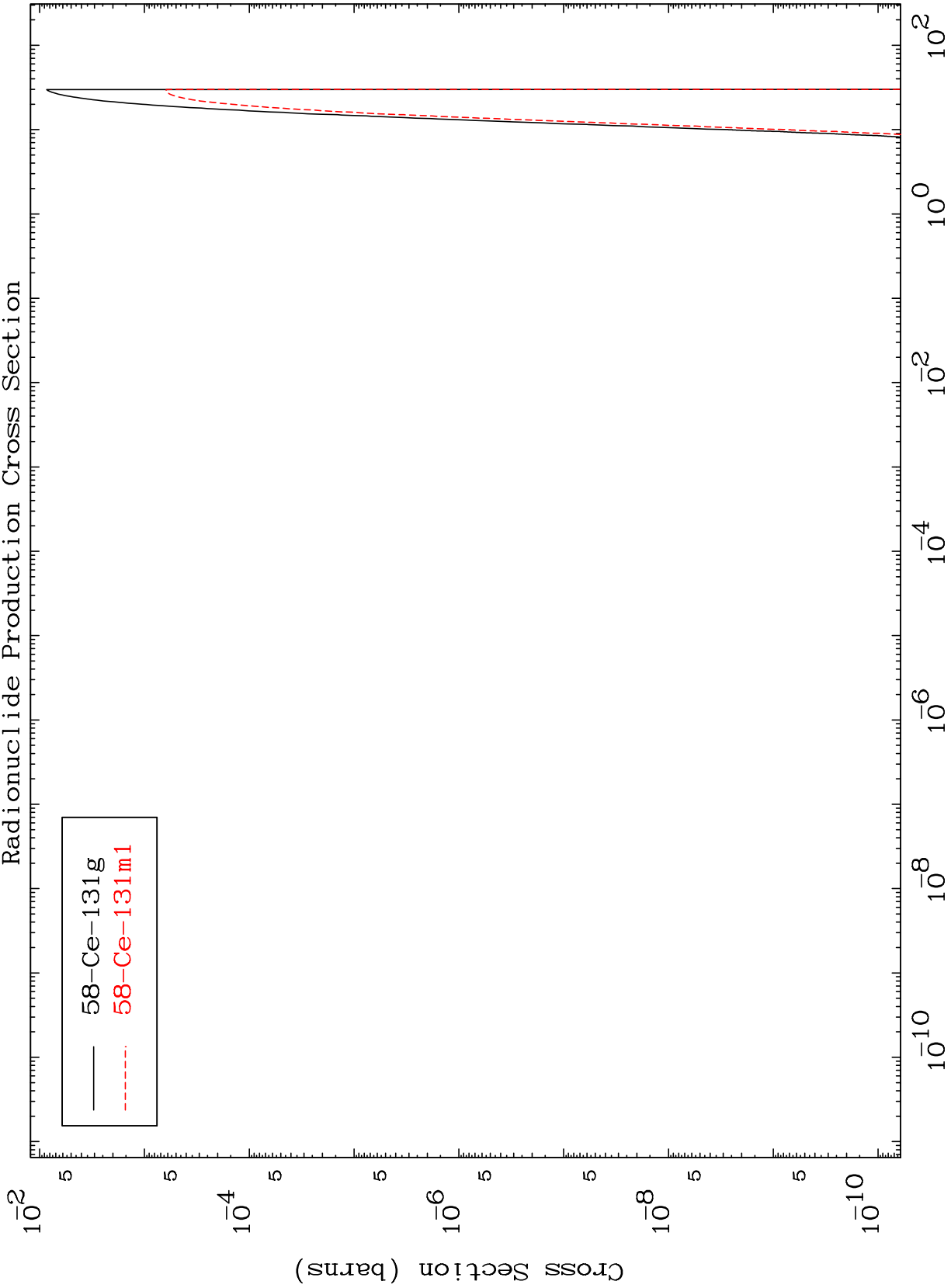
60-Nd-133

MAT 5999

(n, He-3)

60-Nd-133

Radionuclide Production Cross Section



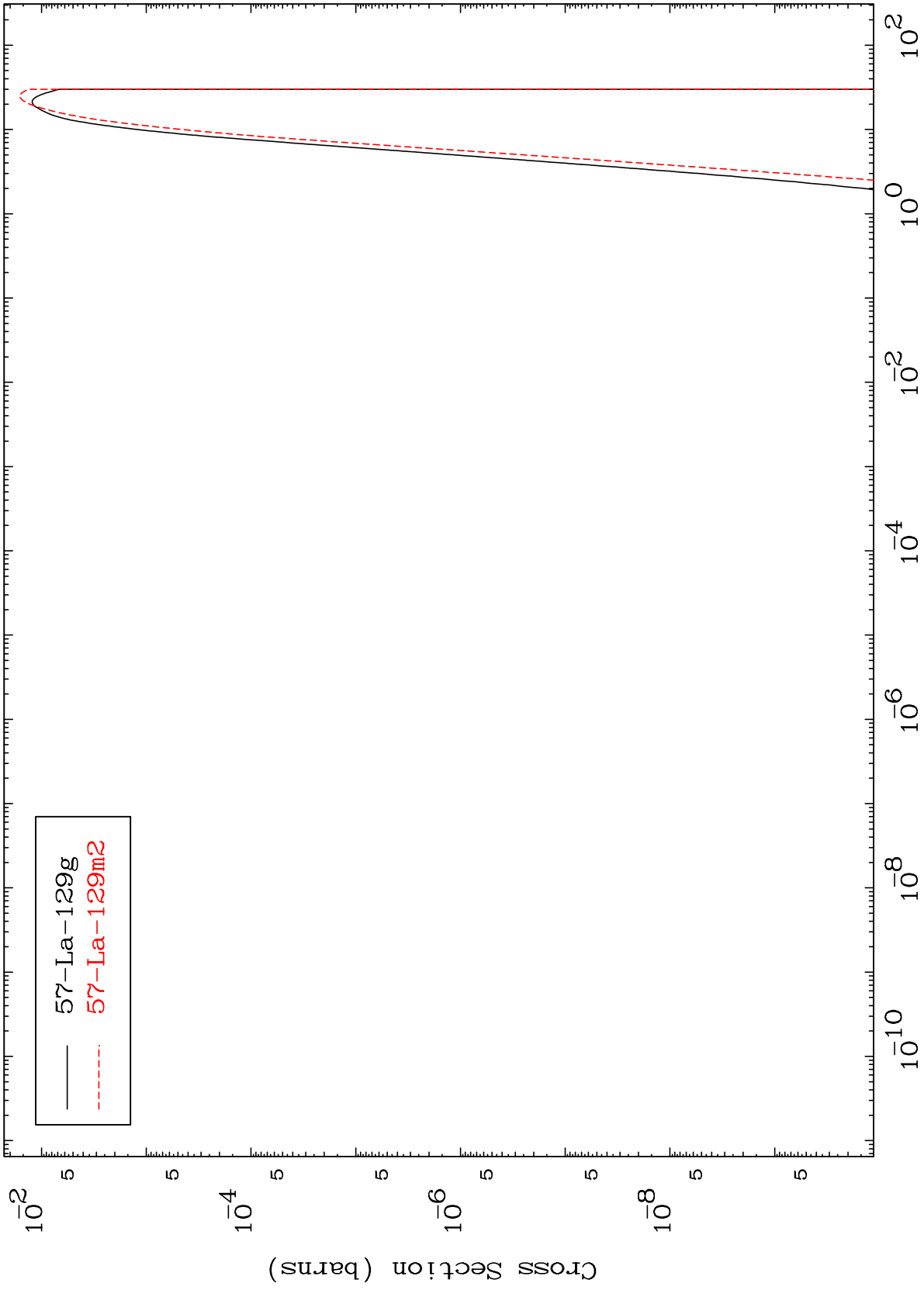
60-Nd-133

MAT 5999

(n,p) α

60-Nd-133

Radionuclide Production Cross Section



28

Incident Energy (MeV)

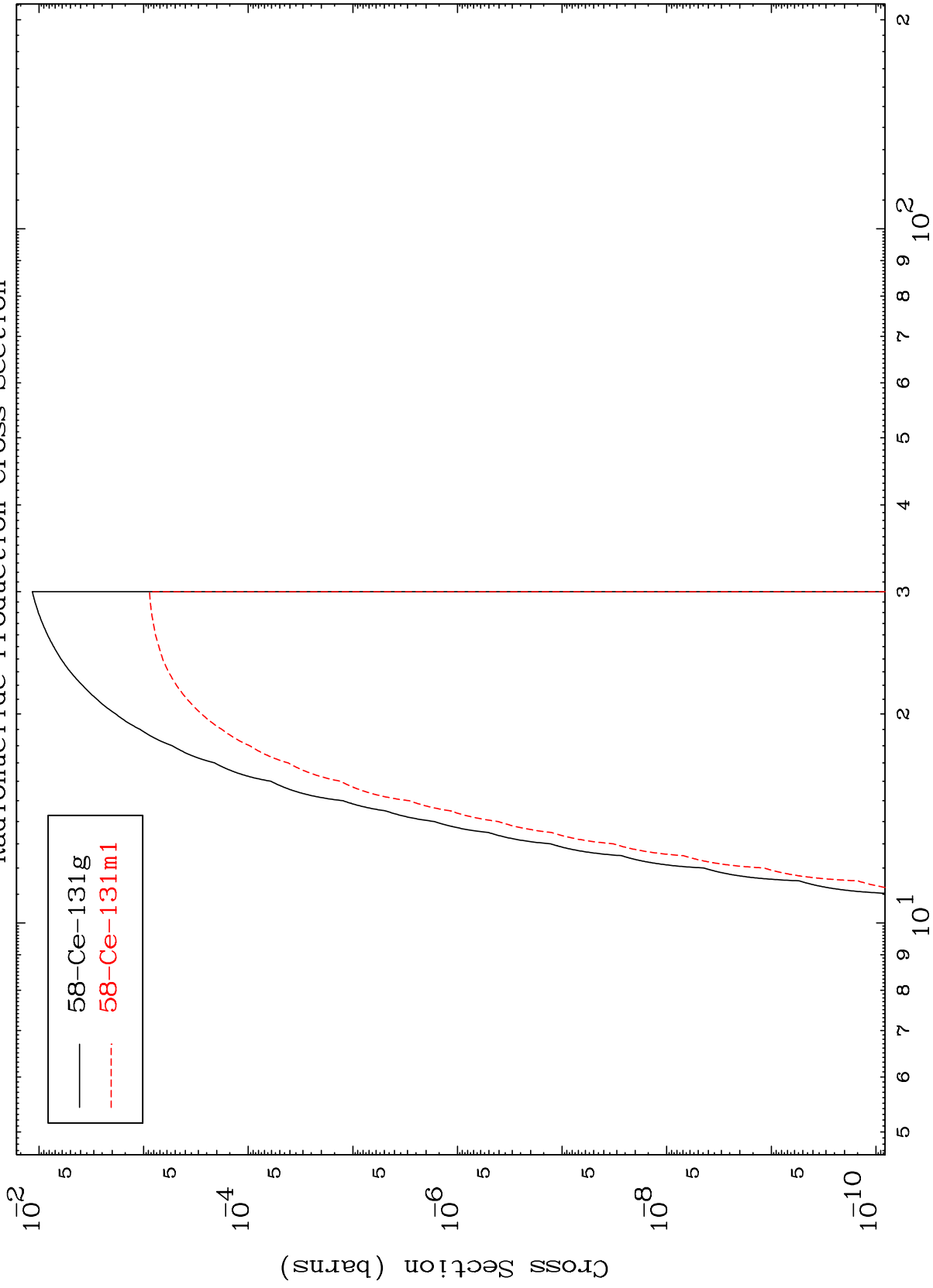
60-Nd-133

MAT 5999

(n,p) d

⁶⁰Nd-133

Radionuclide Production Cross Section



29

Incident Energy (MeV)

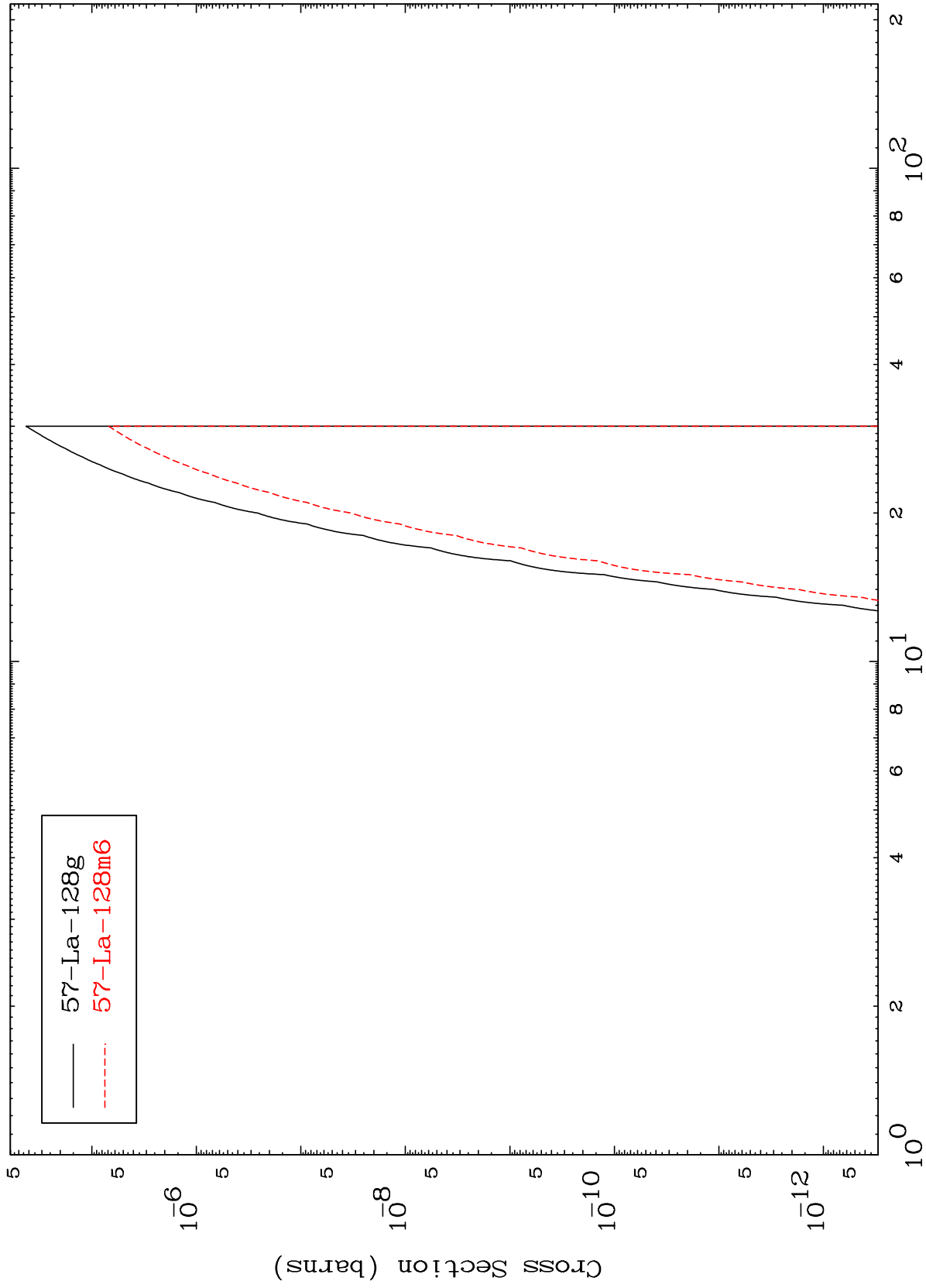
⁶⁰Nd-133

MAT 5999

(n,d) α

60-Nd-133

Radionuclide Production Cross Section



Incident Energy (MeV)

60-Nd-133