

Program EVALPLOT
(Version 2018-1)

by

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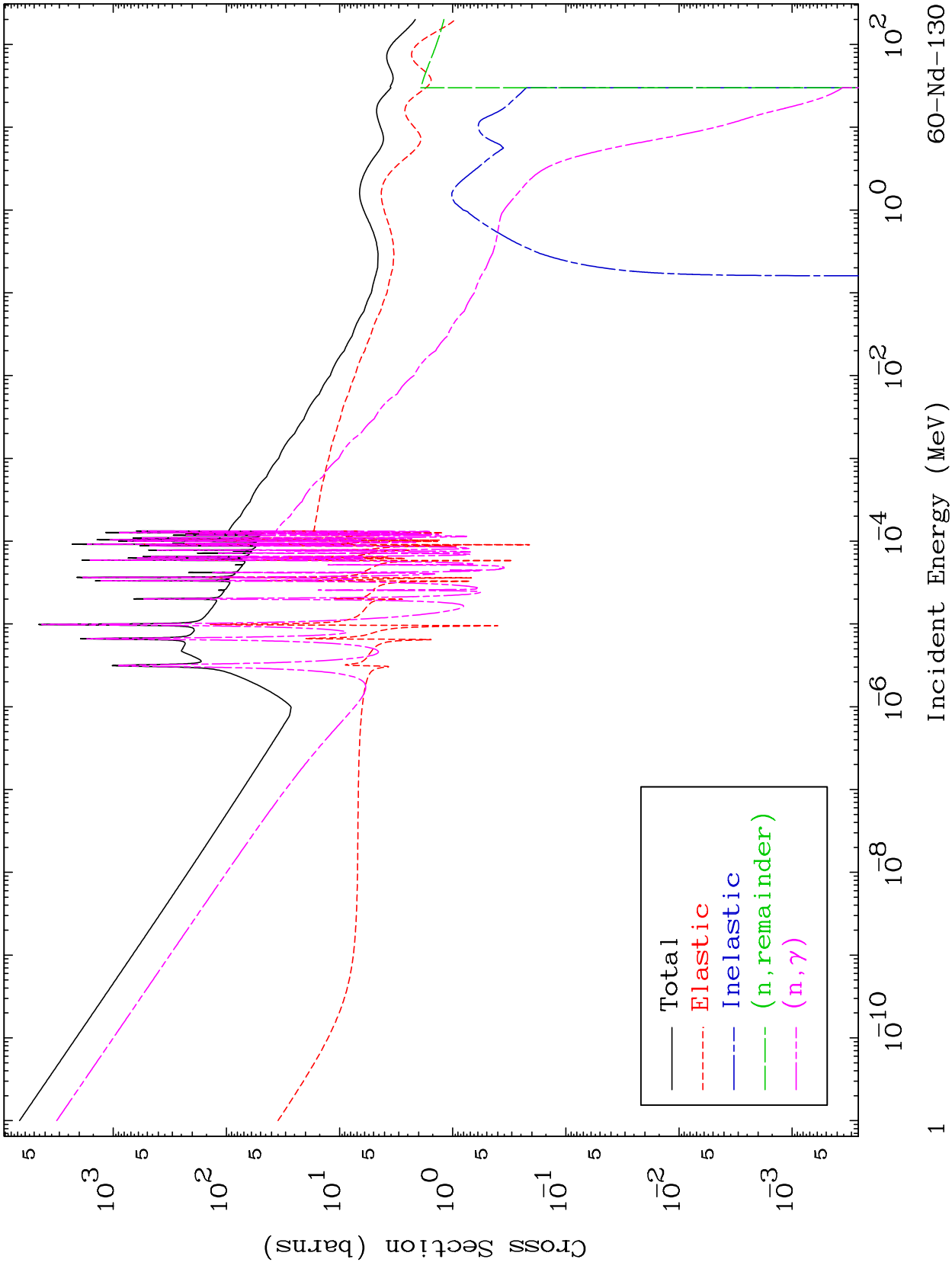
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5989

Major
293 Kelvin Cross Sections

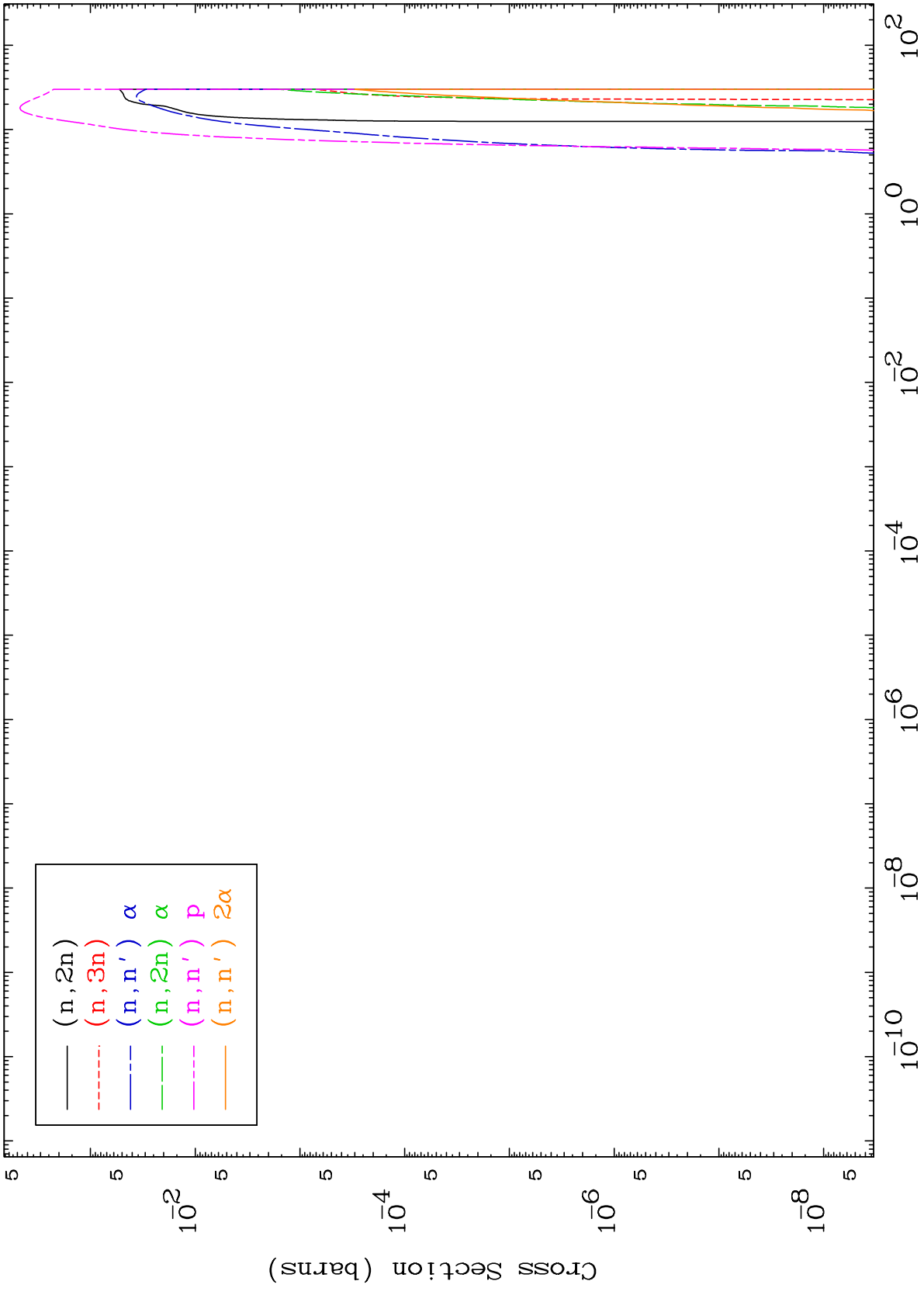
60-Nd-130



MAT 5989

Neutron Production
293 Kelvin Cross Sections

60-Nd-130

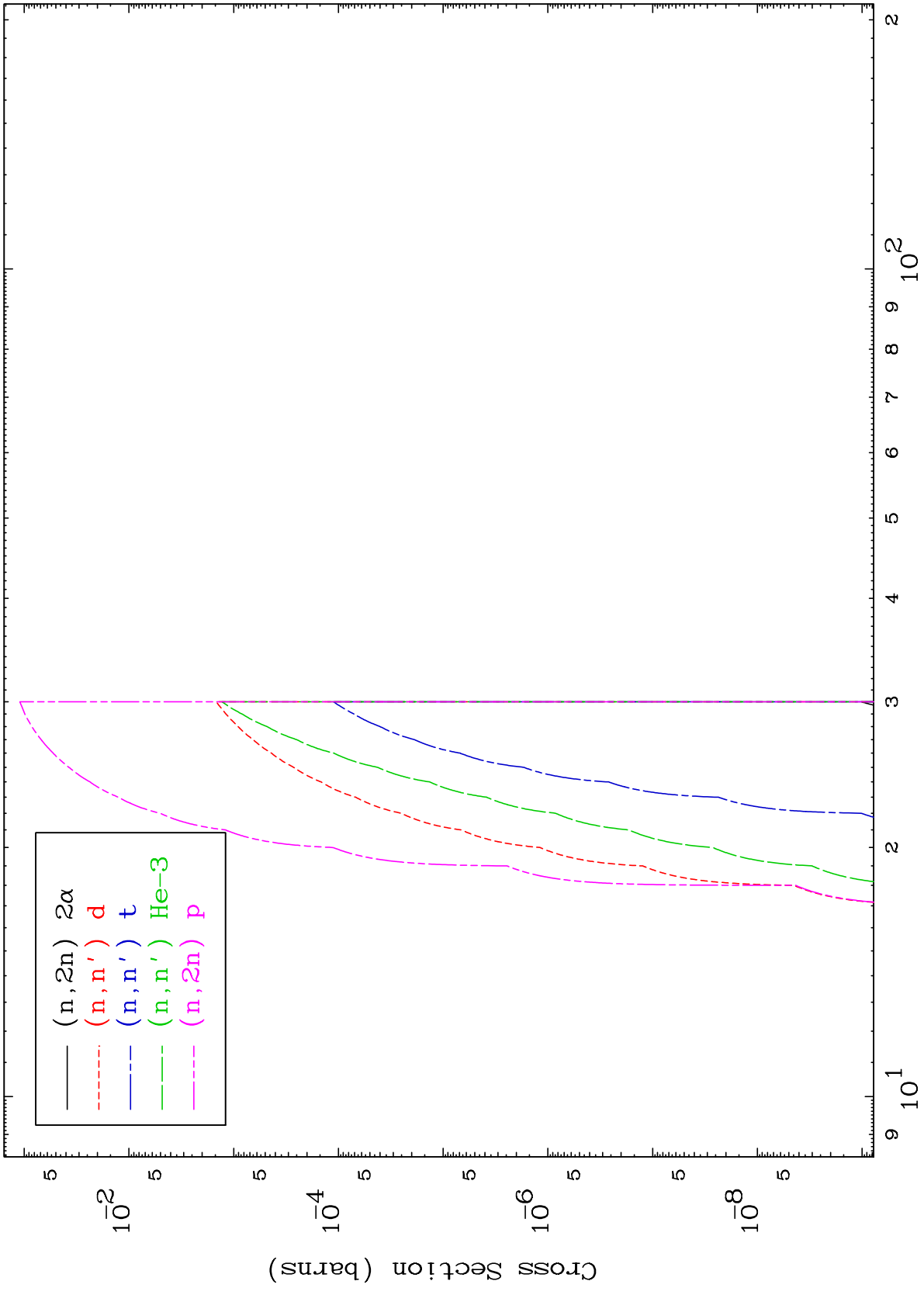


60-Nd-130

MAT 5989

Neutron Production
293 Kelvin Cross Sections

60-Nd-130



60-Nd-130

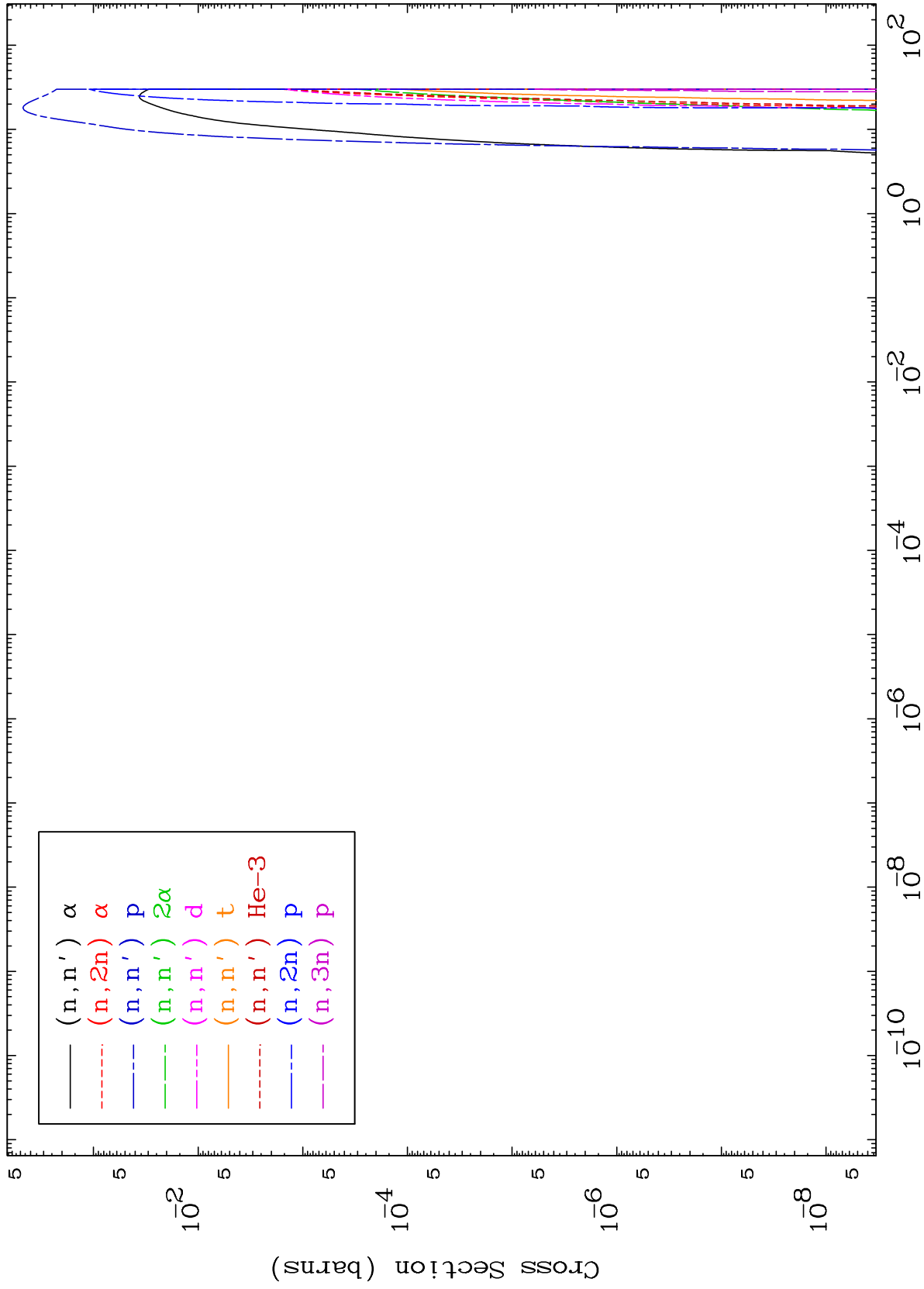
Incident Energy (MeV)

3

MAT 5989

Charged Particle
293 Kelvin Cross Sections

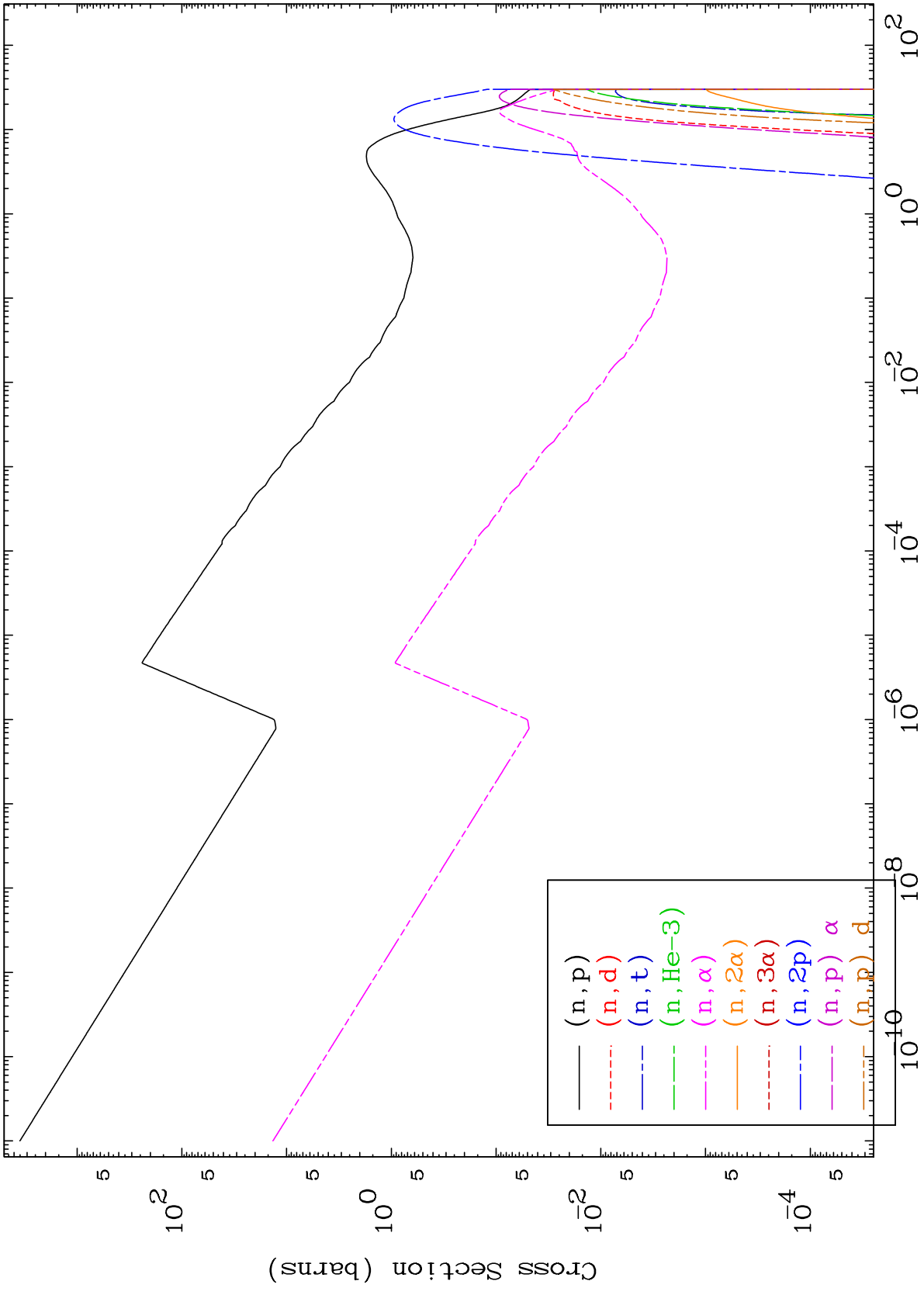
60-Nd-130



MAT 5989

Charged Particle
293 Kelvin Cross Sections

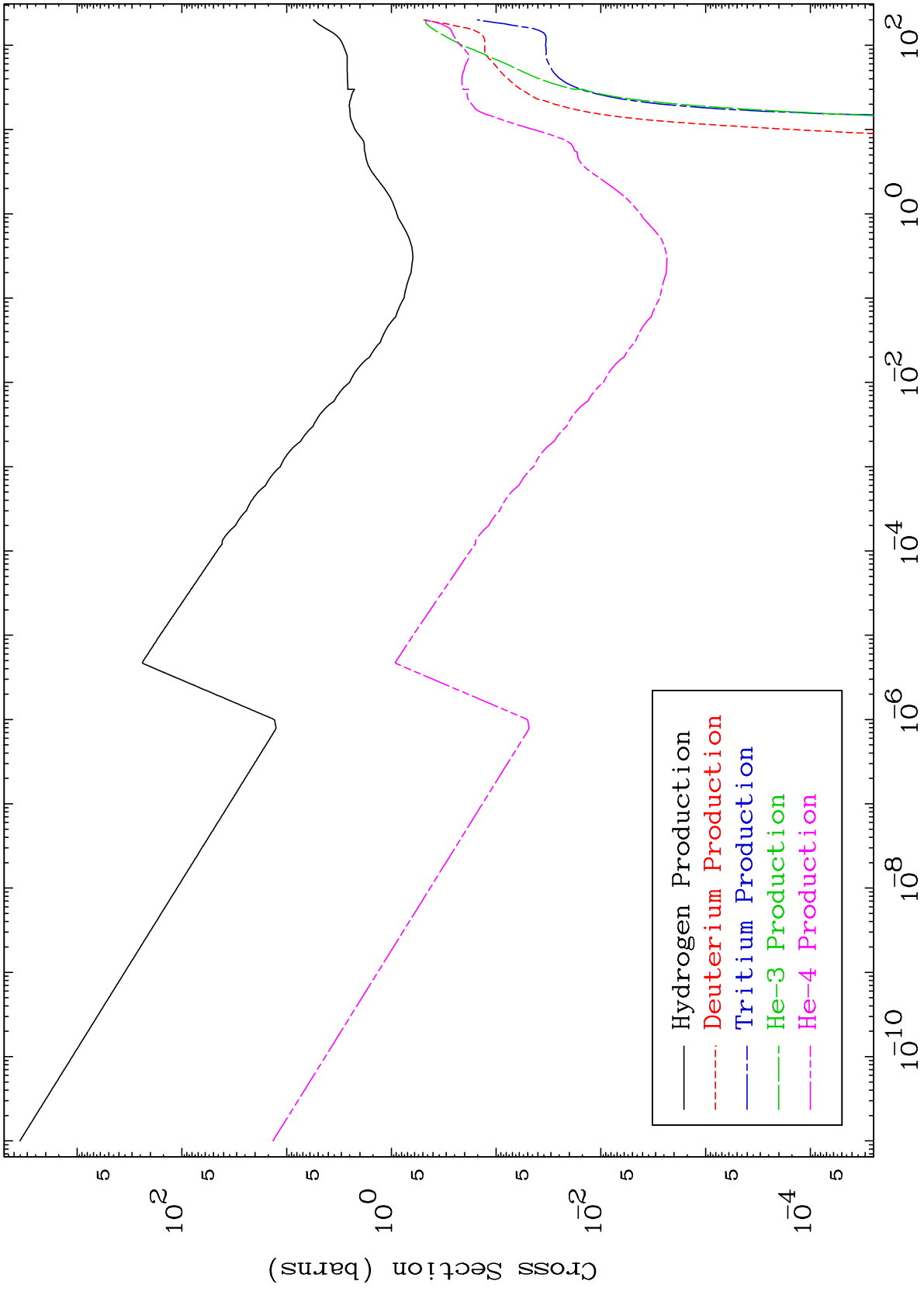
60-Nd-130



MAT 5989

Particle Production
293 Kelvin Cross Sections

60-Nd-130

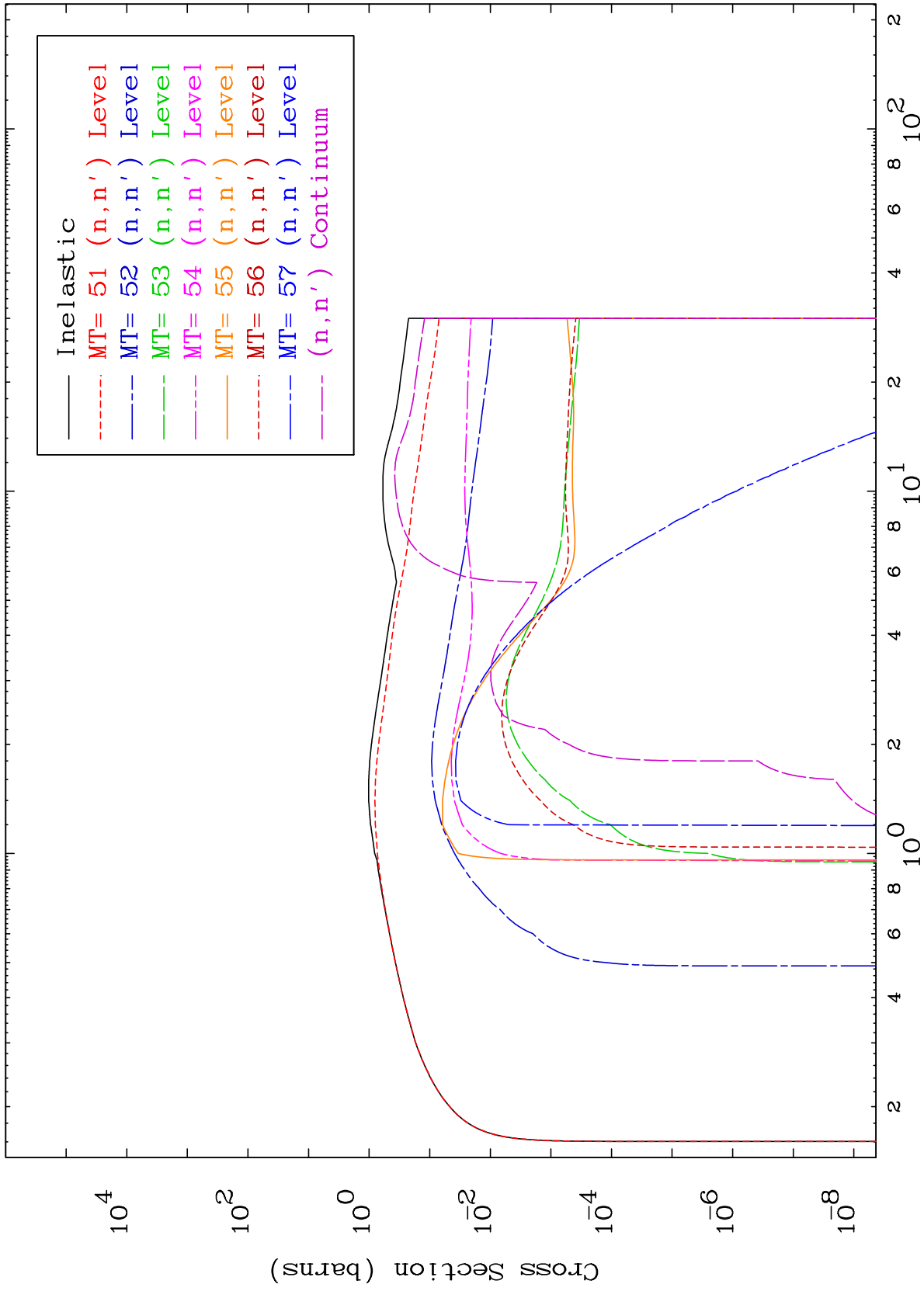


60-Nd-130

MAT 5989

(n,n') Level
293 Kelvin Cross Sections

60-Nd-130



7

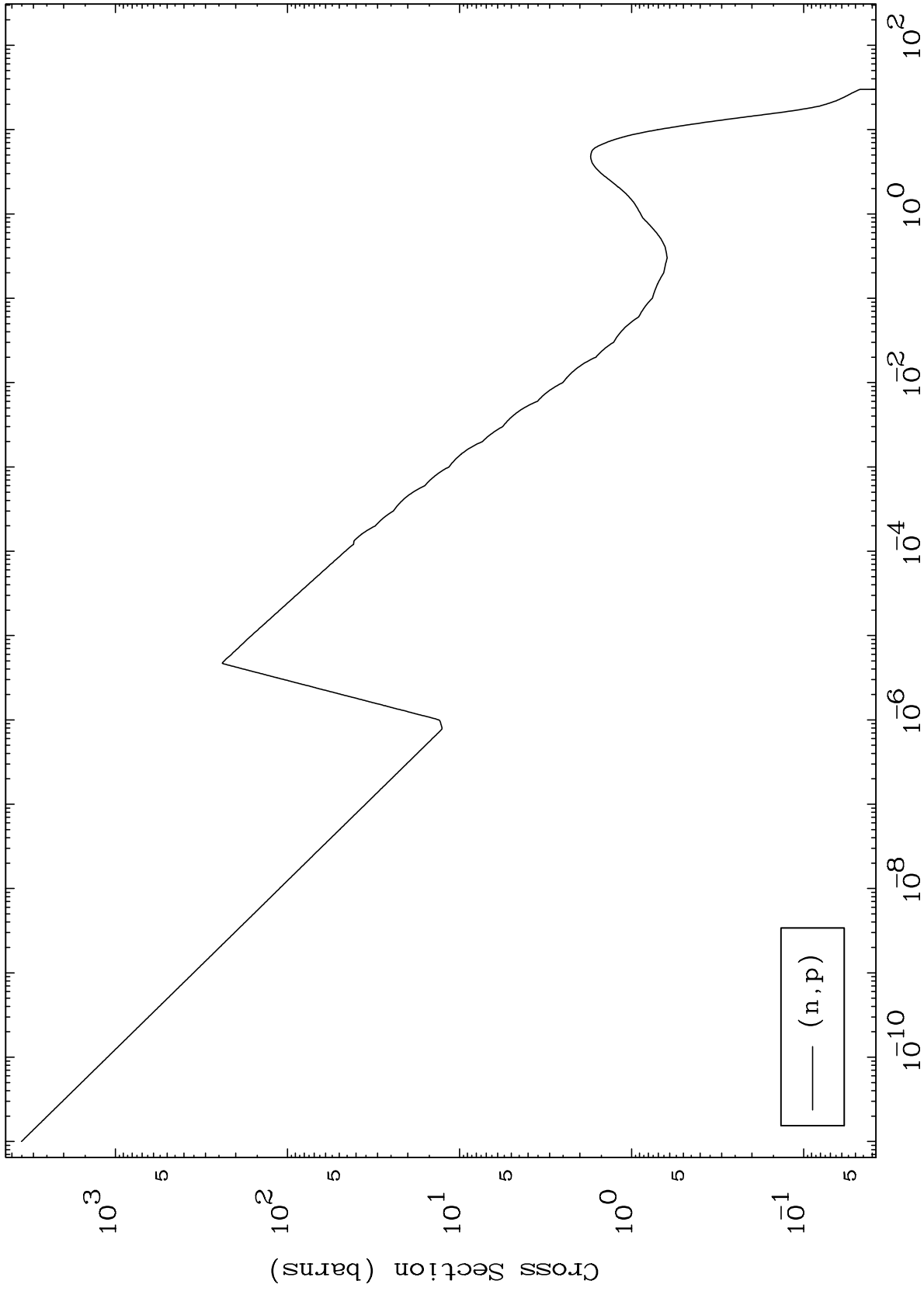
Incident Energy (MeV)

60-Nd-130

MAT 5989

(n,p) Levels
293 Kelvin Cross Sections

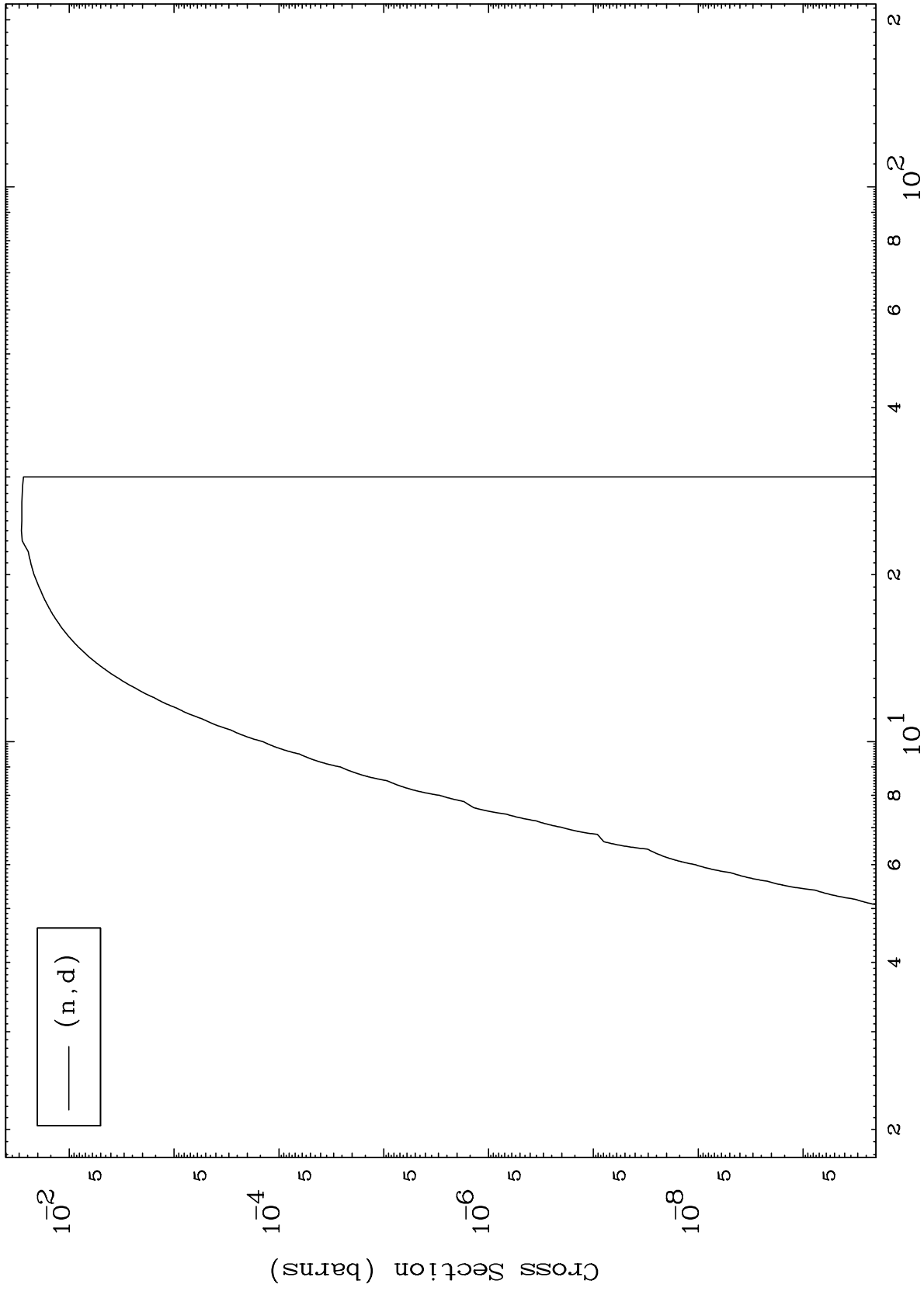
60-Nd-130



MAT 5989

(n,d) Levels
293 Kelvin Cross Sections

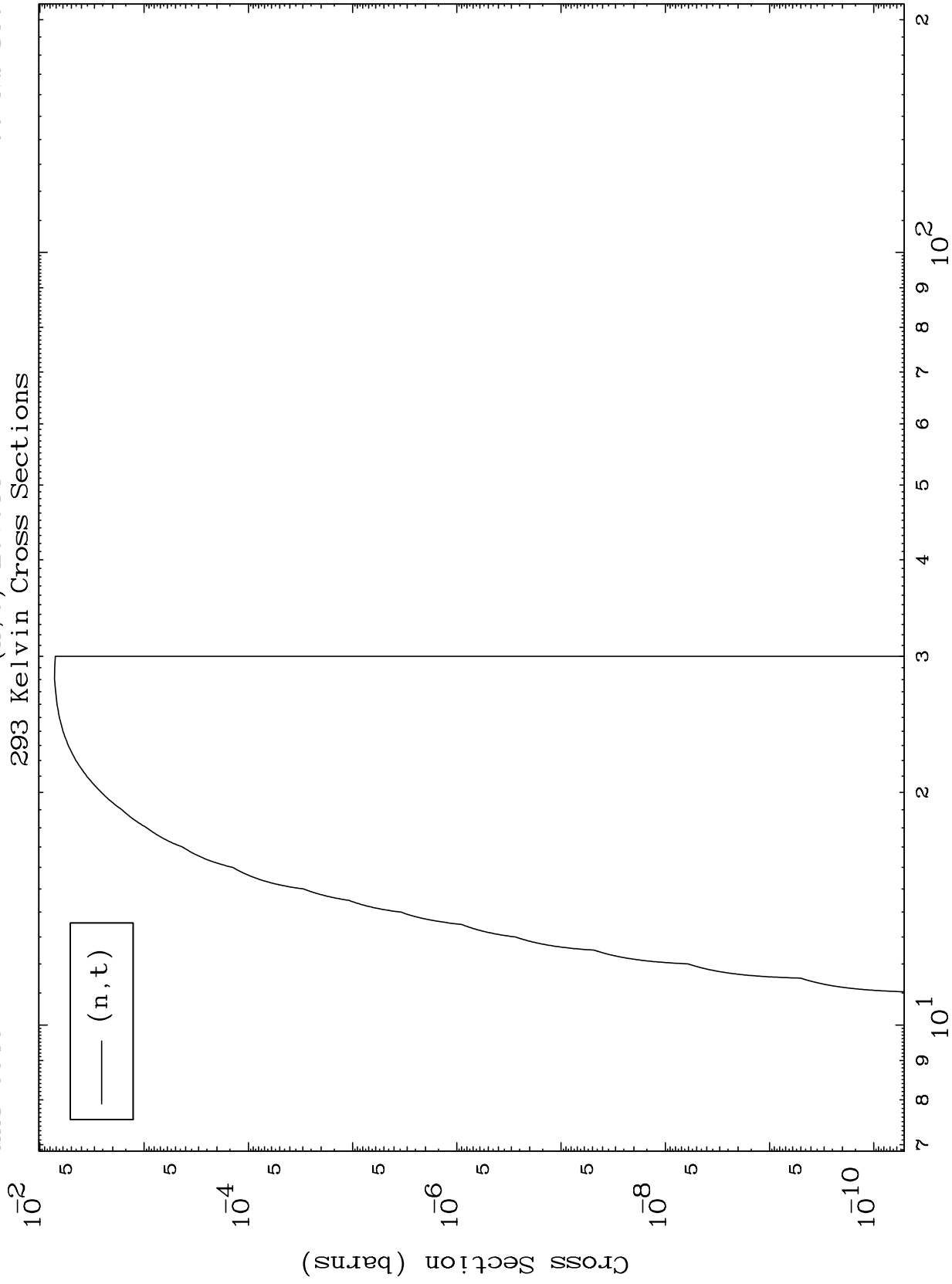
60-Nd-130



MAT 5989

(n,t) Levels
293 Kelvin Cross Sections

60-Nd-130



10

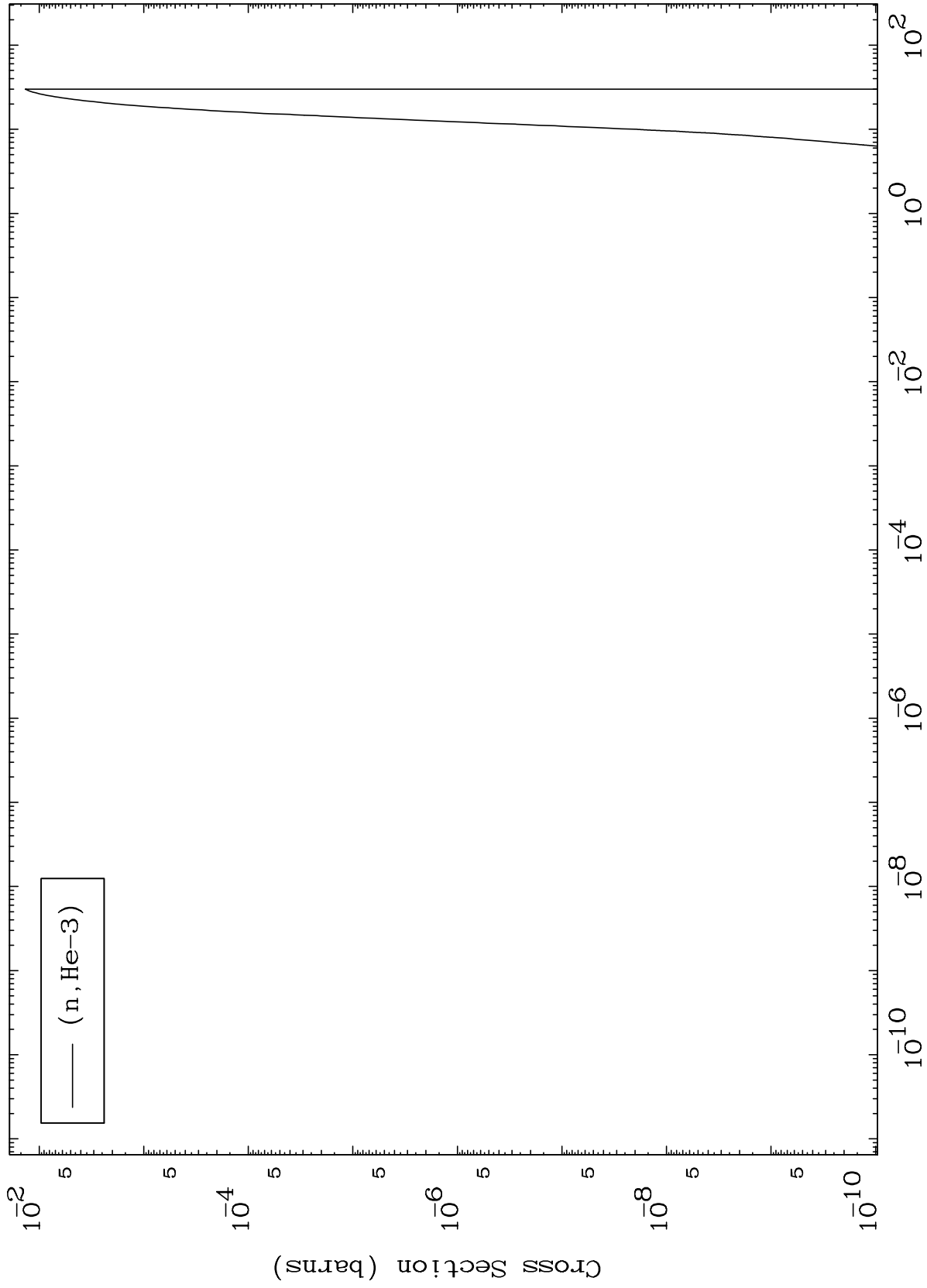
Incident Energy (MeV)

60-Nd-130

MAT 5989

(n,He3) Levels
293 Kelvin Cross Sections

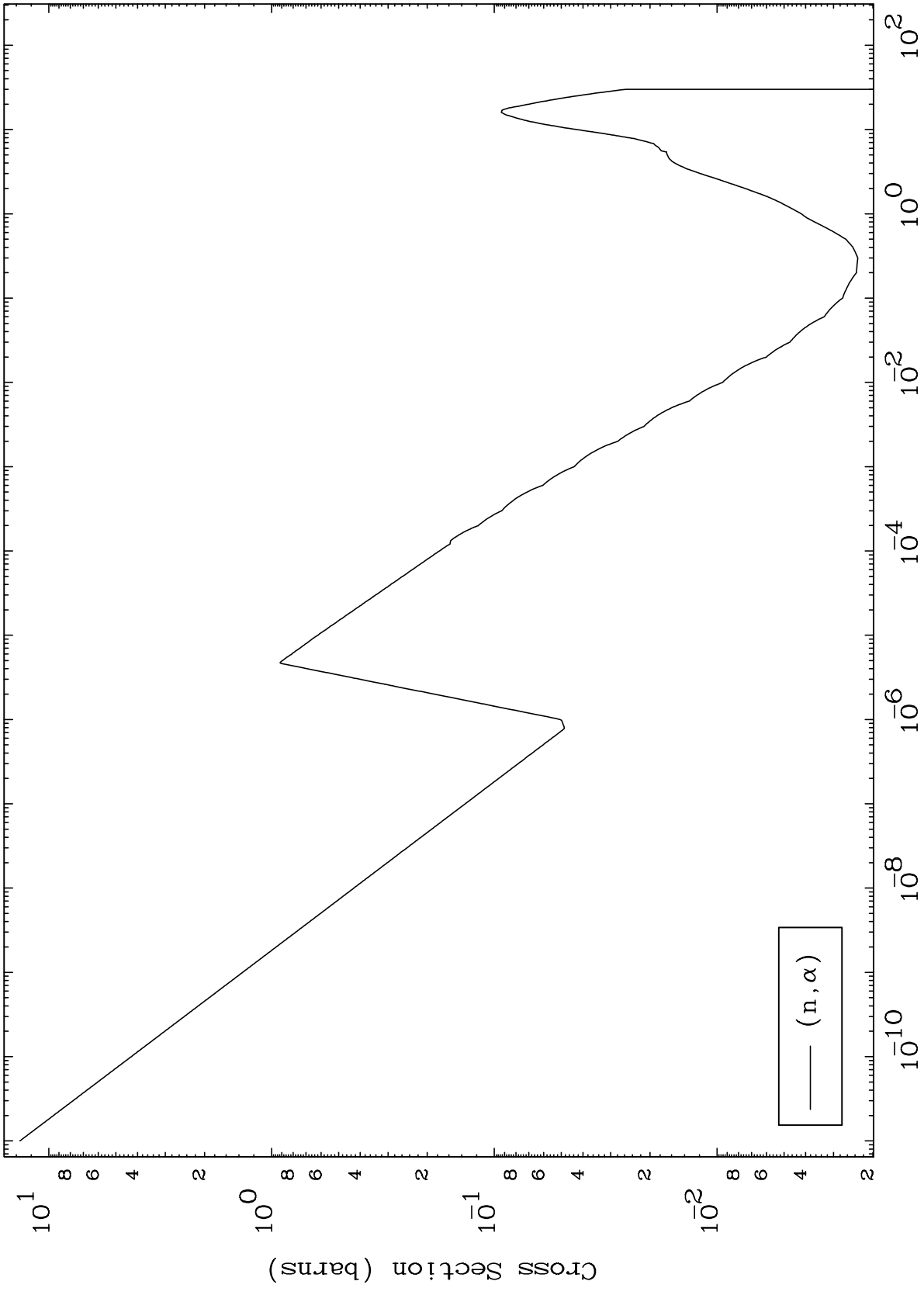
60-Nd-130

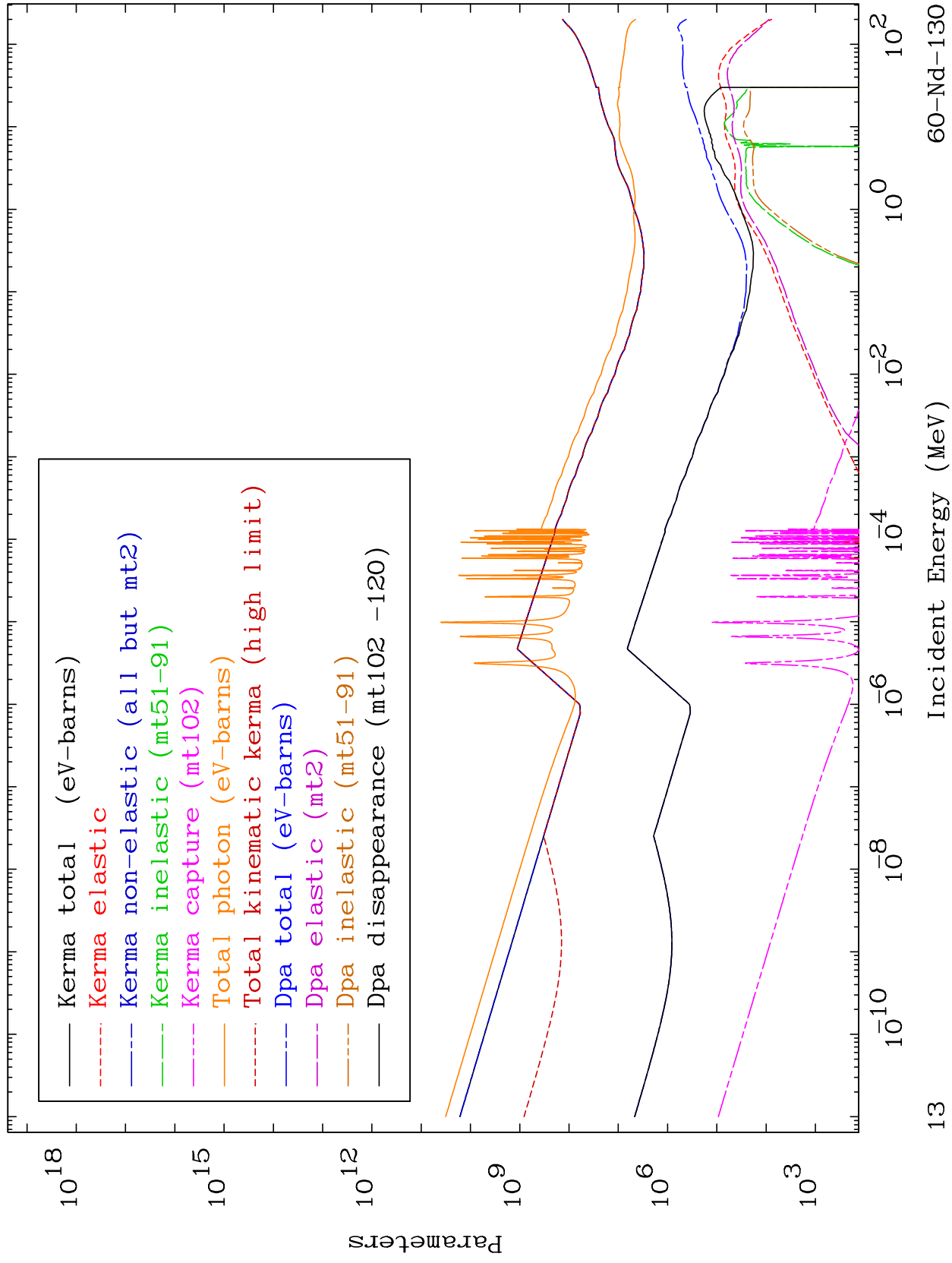


MAT 5989

(n,α) Levels
293 Kelvin Cross Sections

60-Nd-130

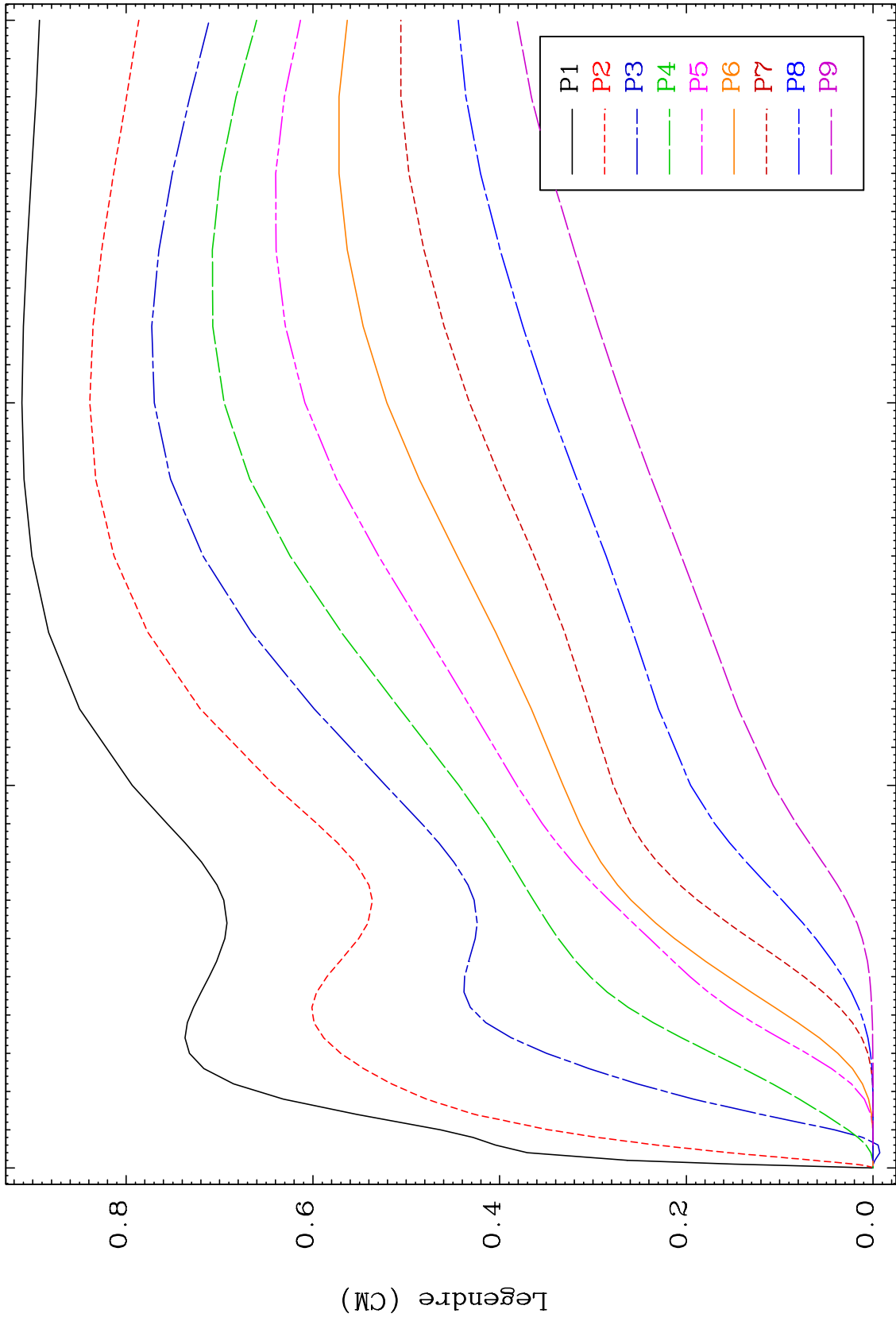




MAT 5989

Elastic Legendre Coefficients

$^{60}\text{Nd-130}$



14

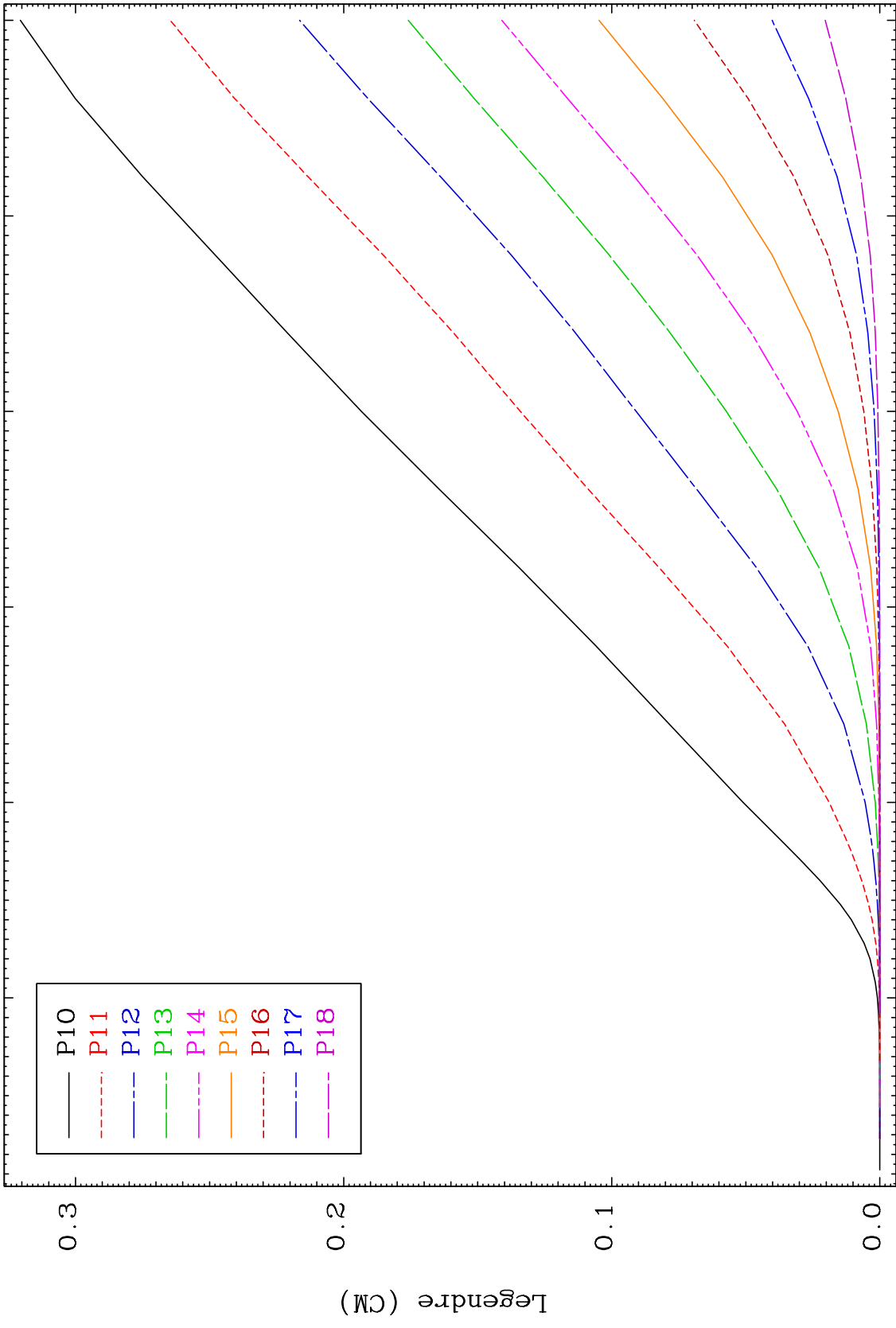
Incident Energy (MeV)

$^{60}\text{Nd-130}$

MAT 5989

Elastic Legendre Coefficients

60-Nd-130



15

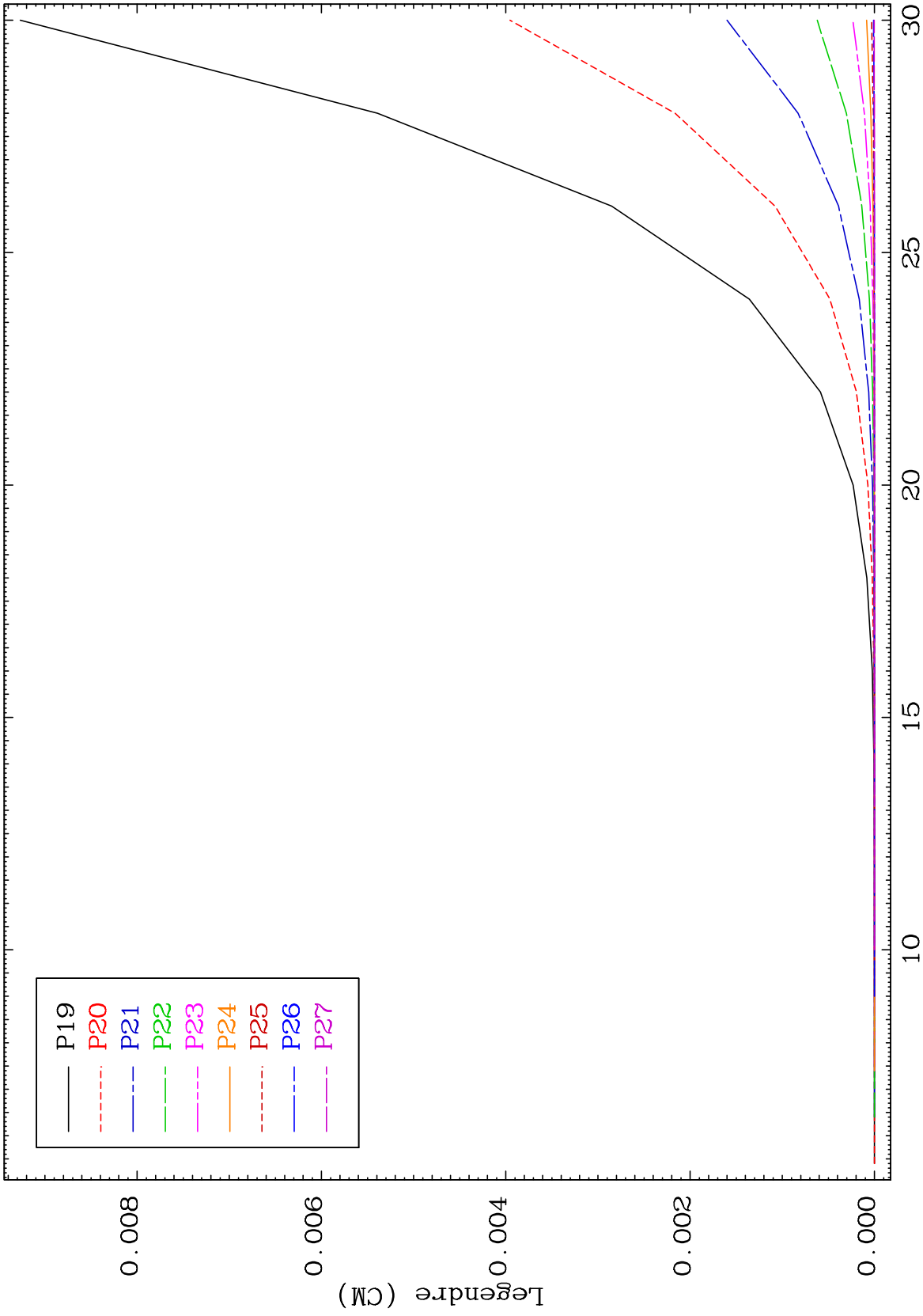
Incident Energy (MeV)

60-Nd-130

MAT 5989

Elastic
Legendre Coefficients

60-Nd-130



16

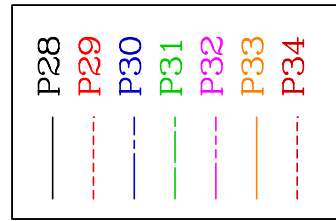
Incident Energy (MeV)

60-Nd-130

MAT 5989

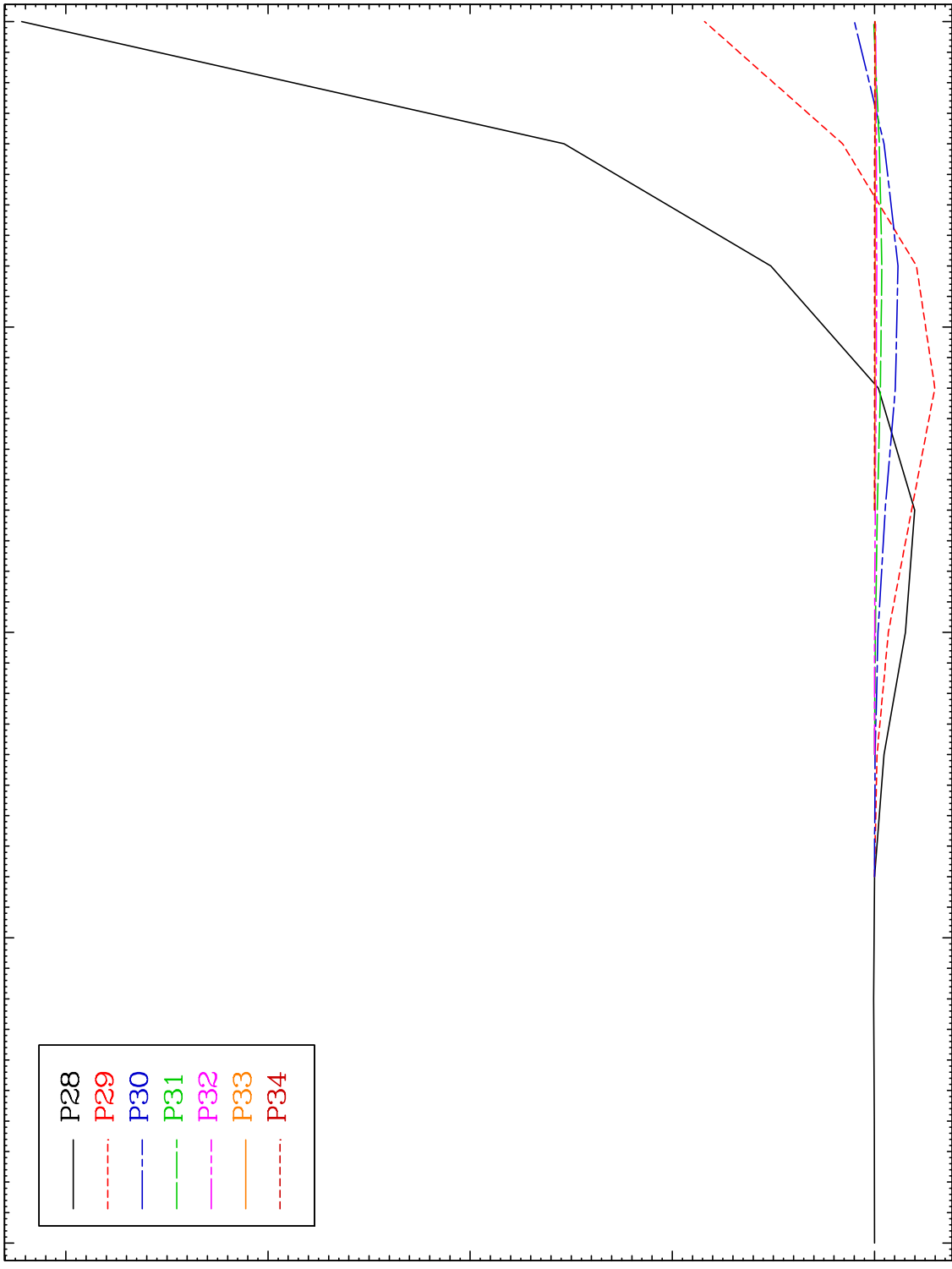
Elastic Legendre Coefficients

60-Nd-130



$\times 10^{-78}$

Legendre (CM)



17

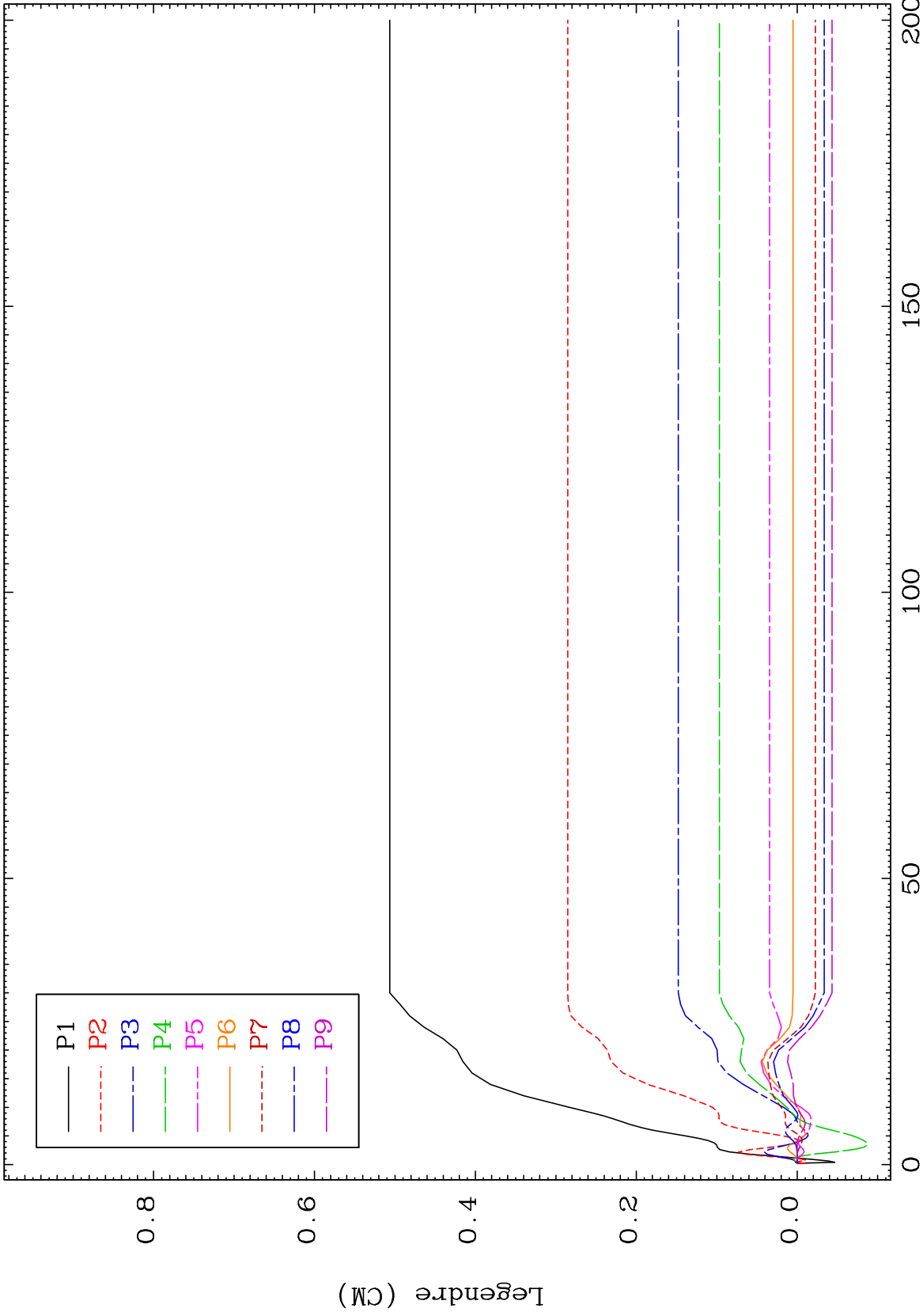
Incident Energy (MeV)

60-Nd-130

MAT 5989

MT= 51 (n,n') Level
Legendre Coefficients

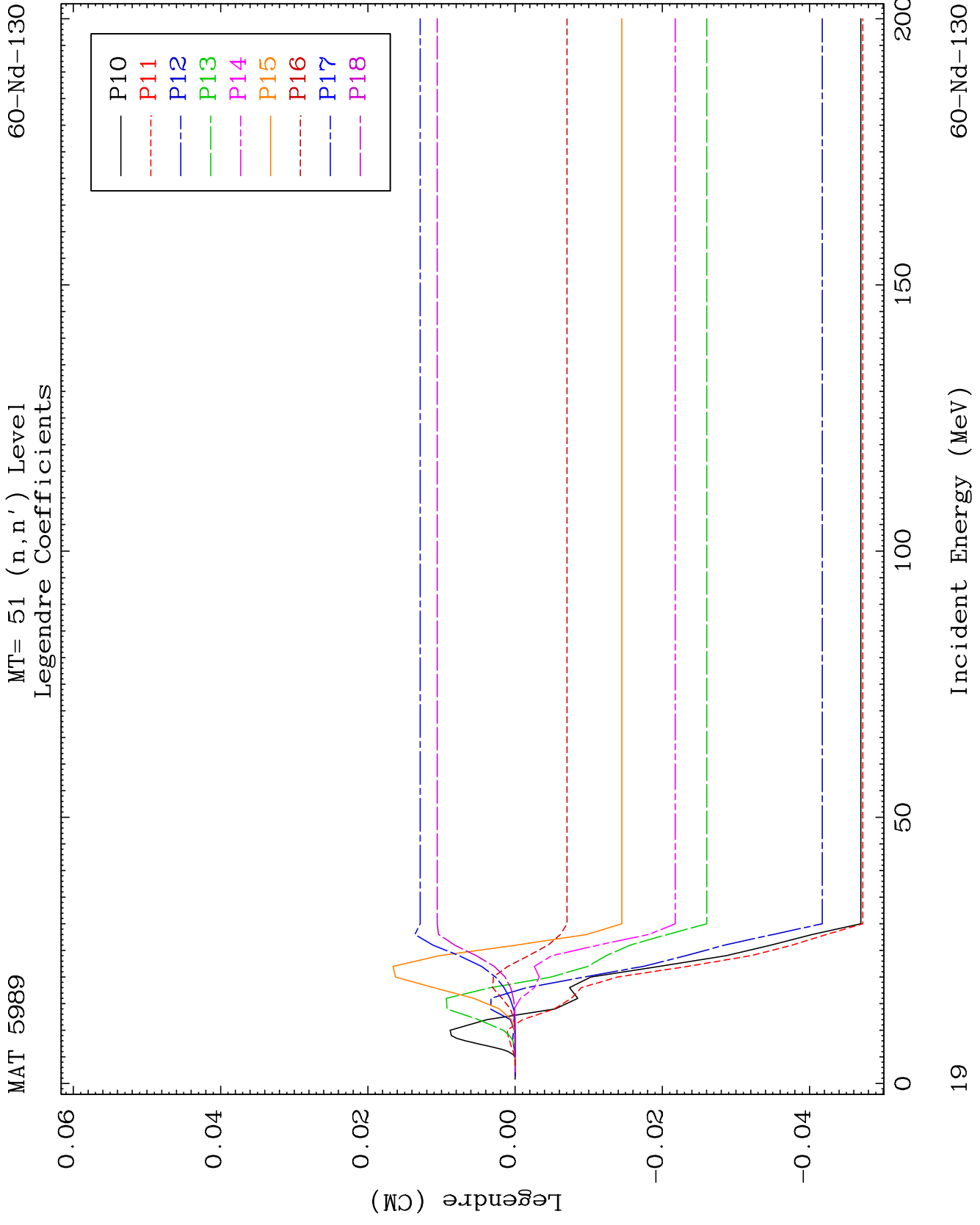
60-Nd-130



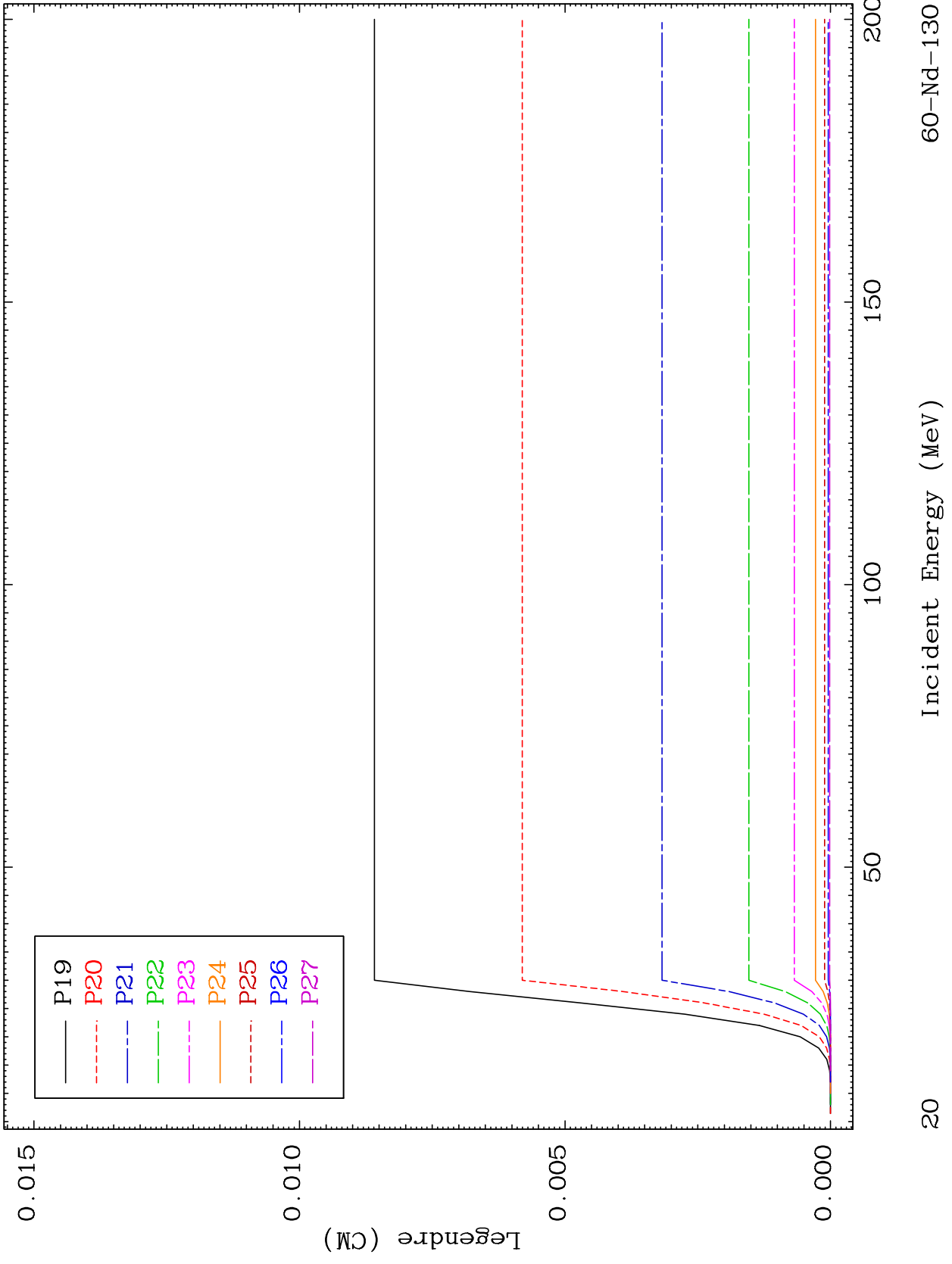
18

Incident Energy (MeV)

60-Nd-130



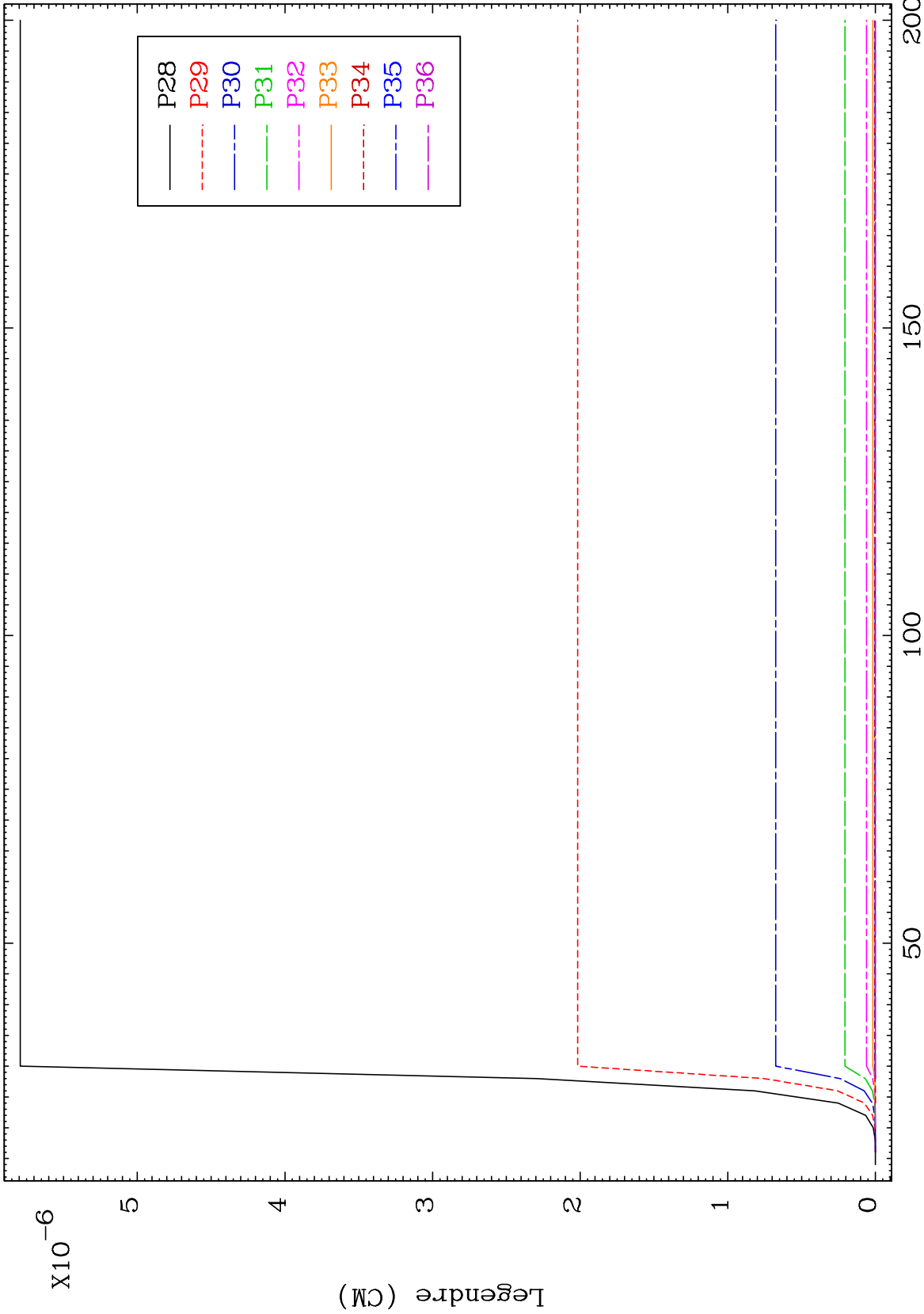
MAT 5989 MT= 51 (n,n') Level Legendre Coefficients 60-Nd-130



MAT 5989

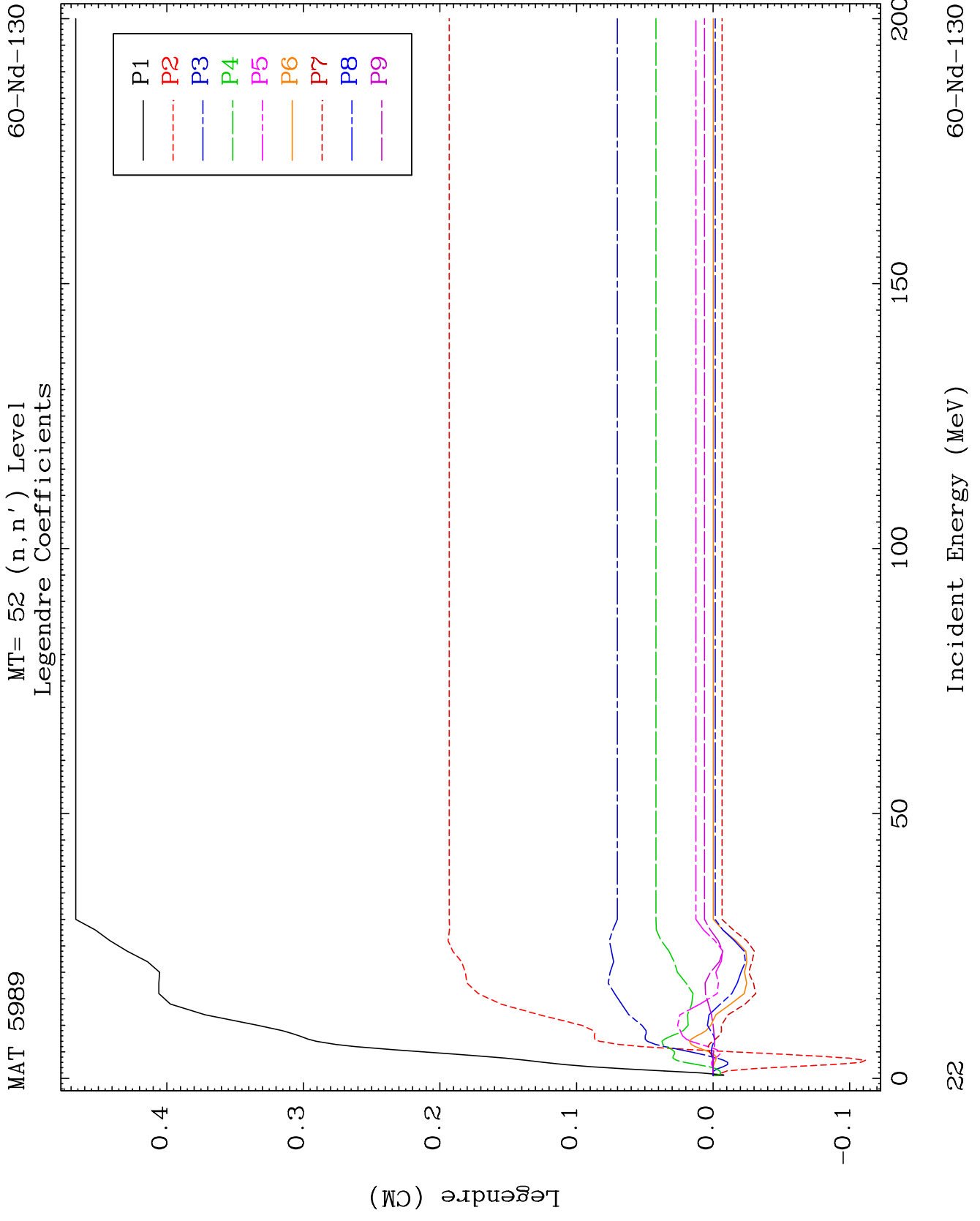
MT= 51 (n,n') Level
Legendre Coefficients

60-Nd-130



21

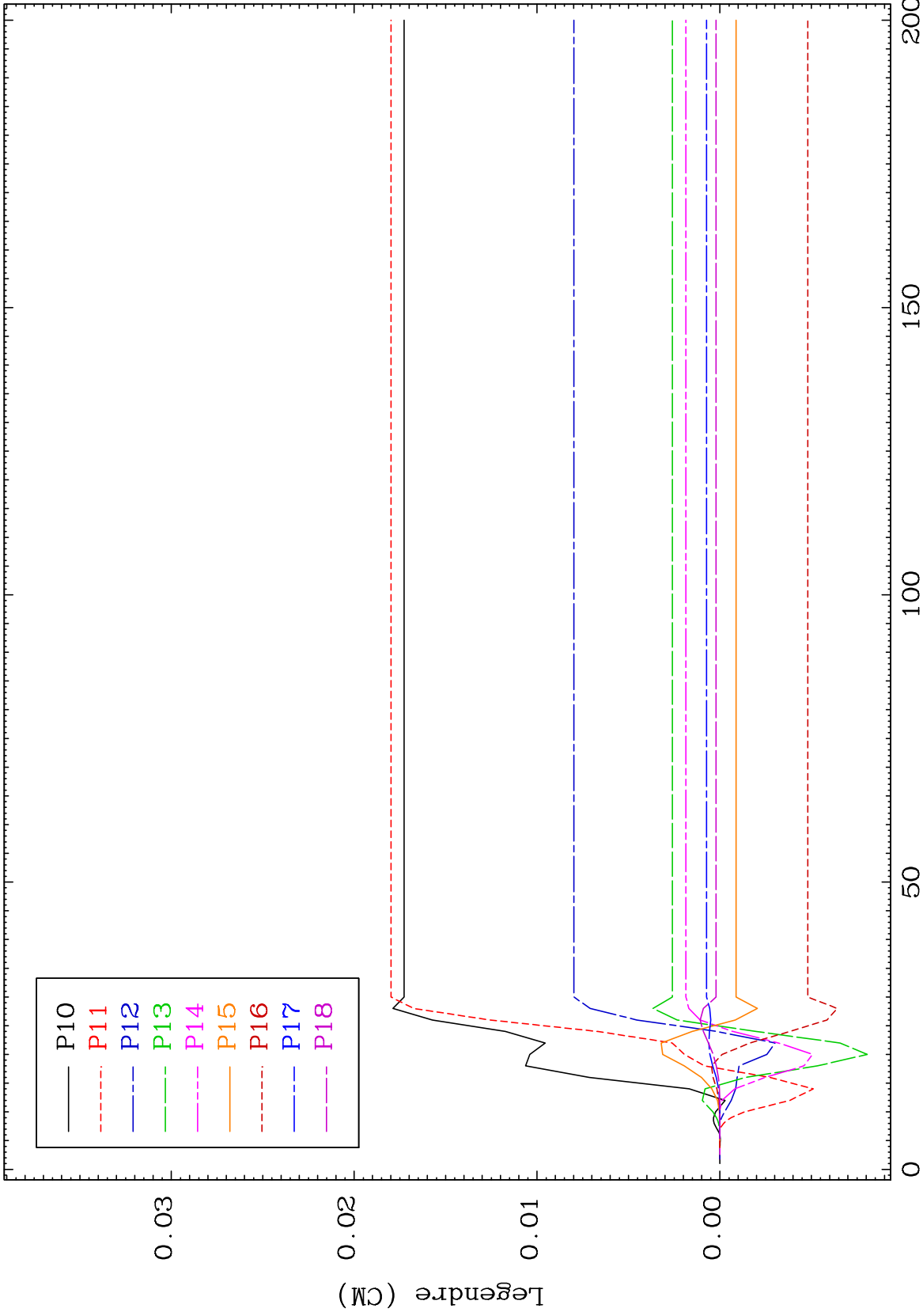
60-Nd-130



MAT 5989

MT= 52 (n,n') Level
Legendre Coefficients

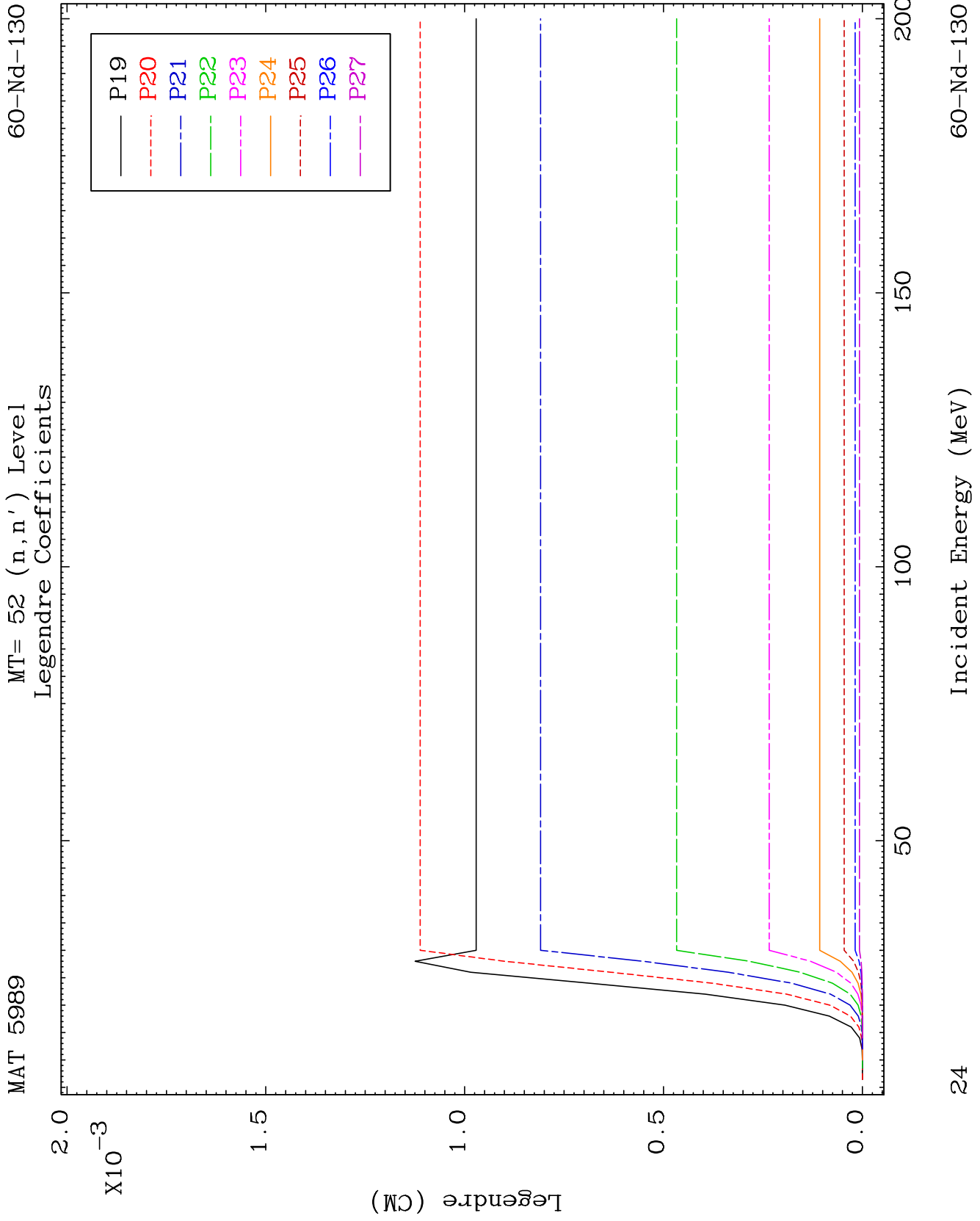
60-Nd-130



23

Incident Energy (MeV)

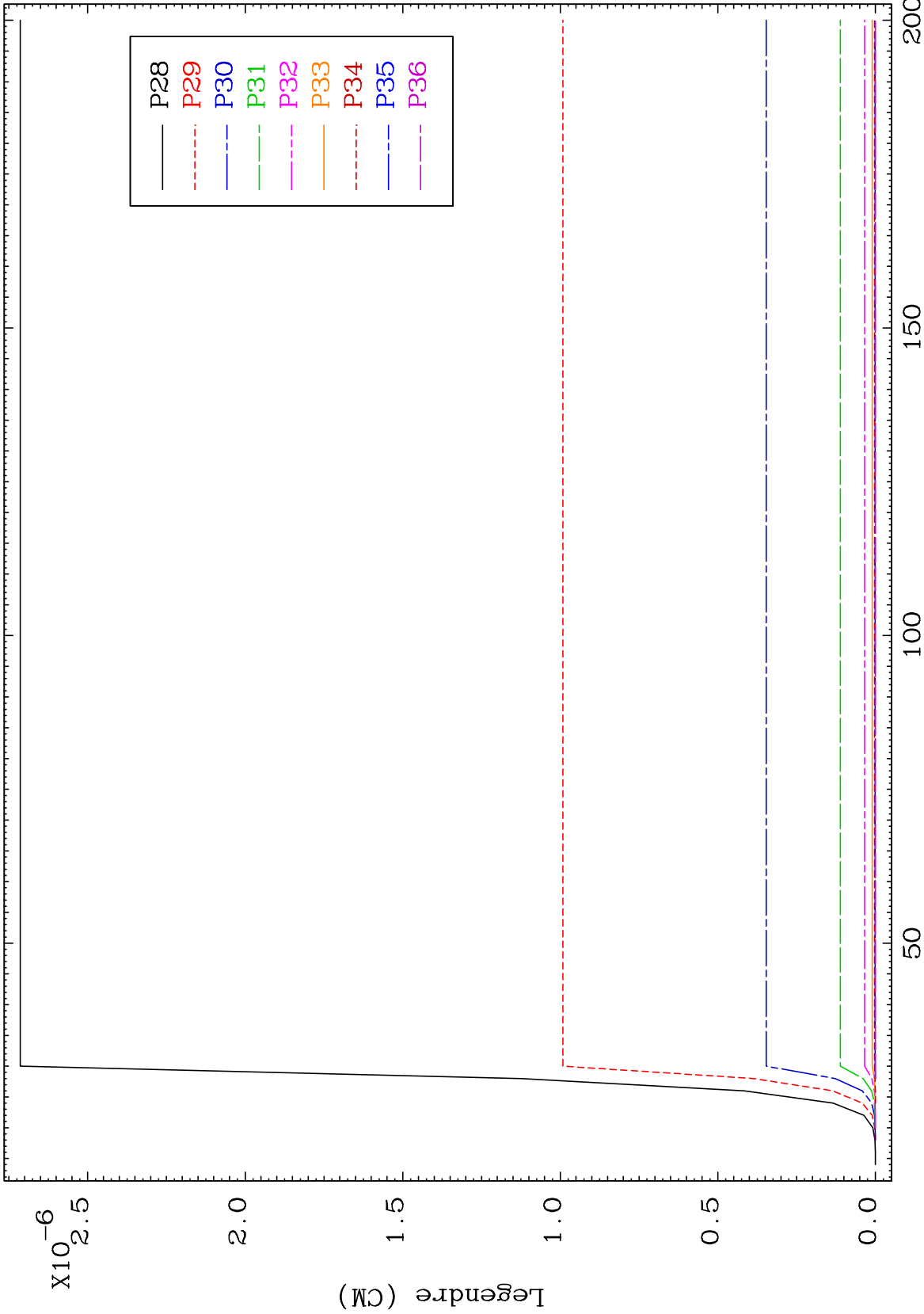
60-Nd-130



MAT 5989

MT= 52 (n,n') Level
Legendre Coefficients

60-Nd-130



25

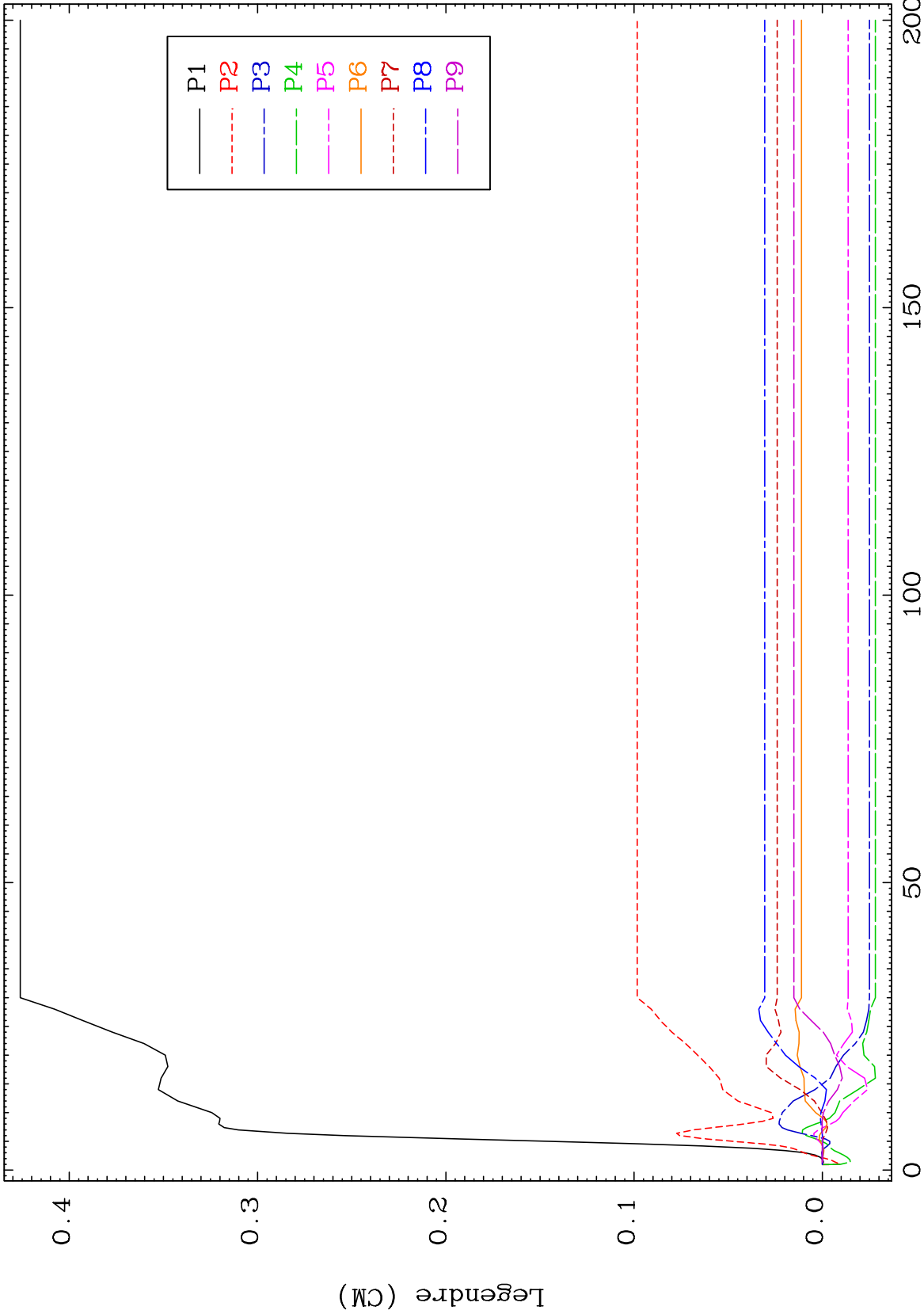
Incident Energy (MeV)

60-Nd-130

MAT 5989

MT= 53 (n,n') Level
Legendre Coefficients

60-Nd-130

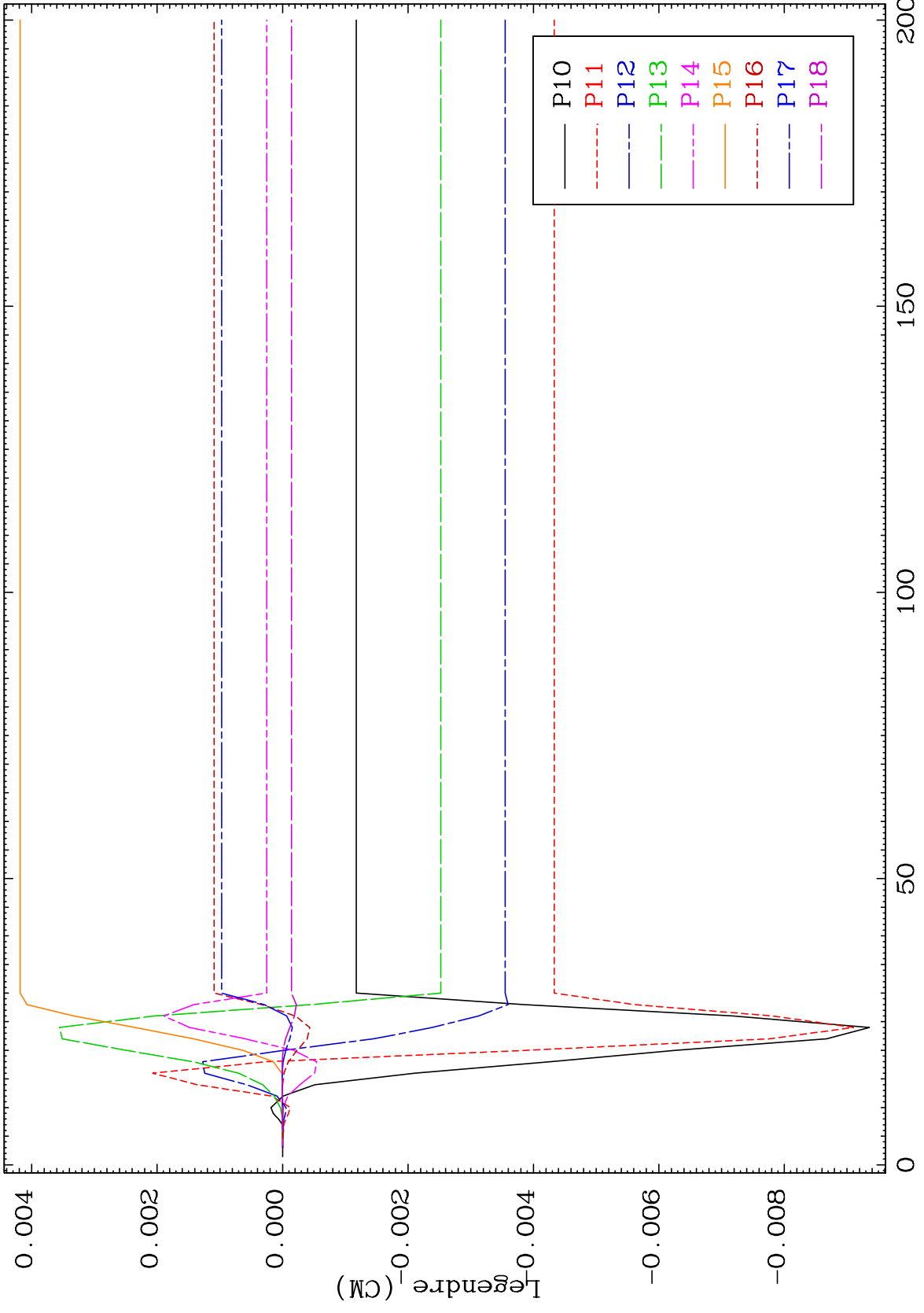


26

Incident Energy (MeV)

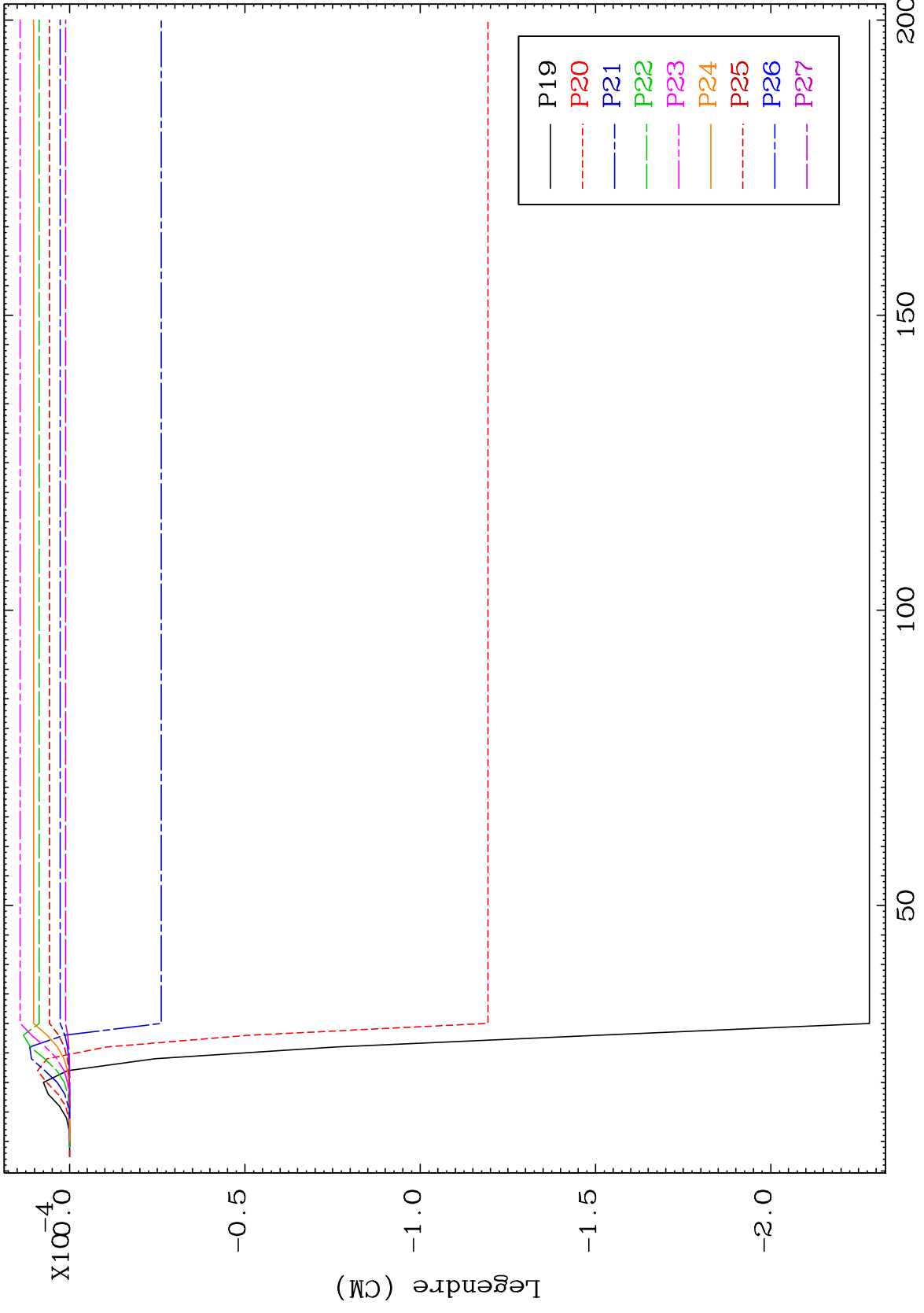
60-Nd-130

MAT 5989 MT= 53 (n,n') Level Legendre Coefficients 60-Nd-130



27 Incident Energy (MeV) 60-Nd-130

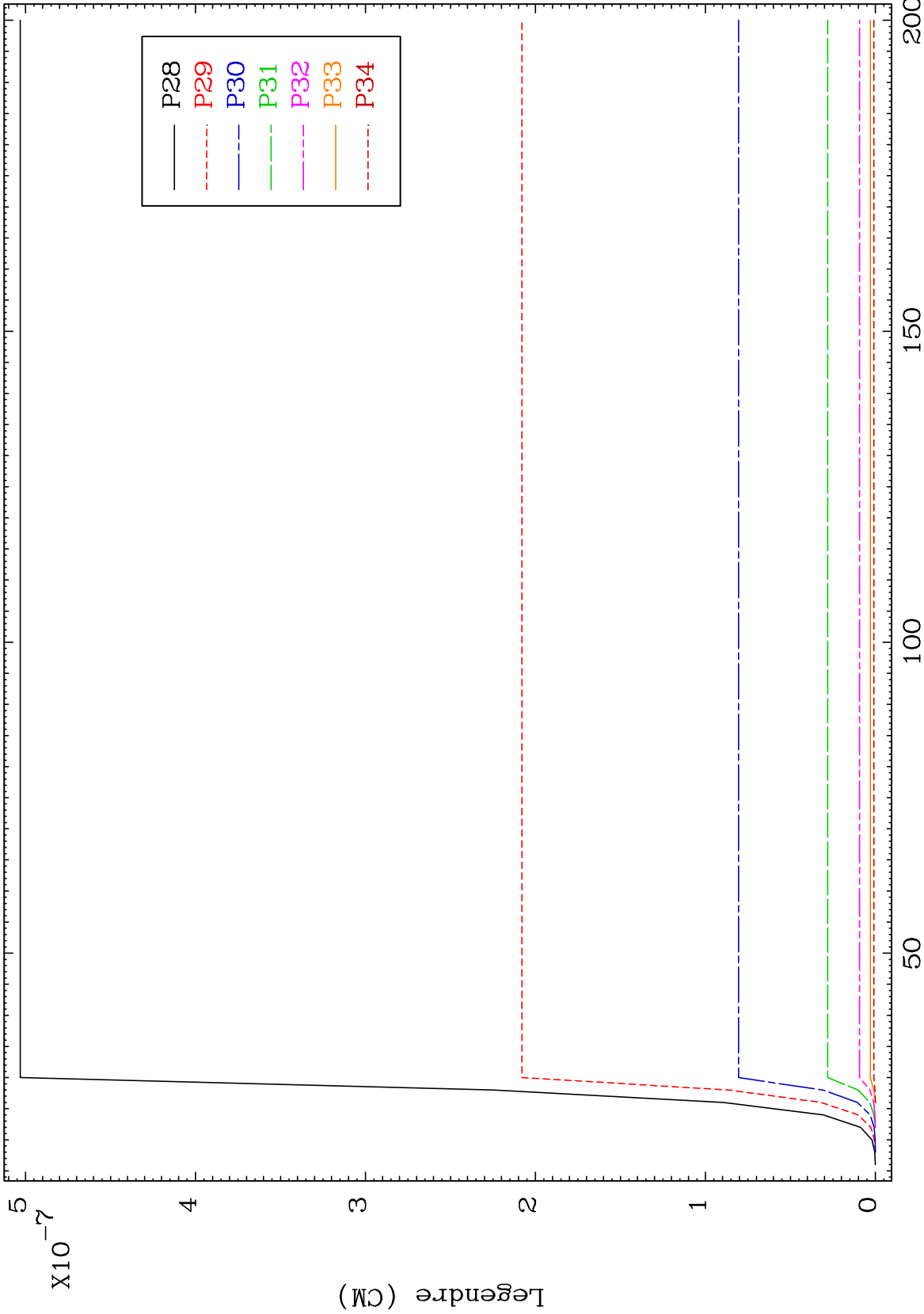
MAT 5989 MT= 53 (n,n') Level Legendre Coefficients 60-Nd-130



MAT 5989

MT= 53 (n,n') Level
Legendre Coefficients

60-Nd-130



29

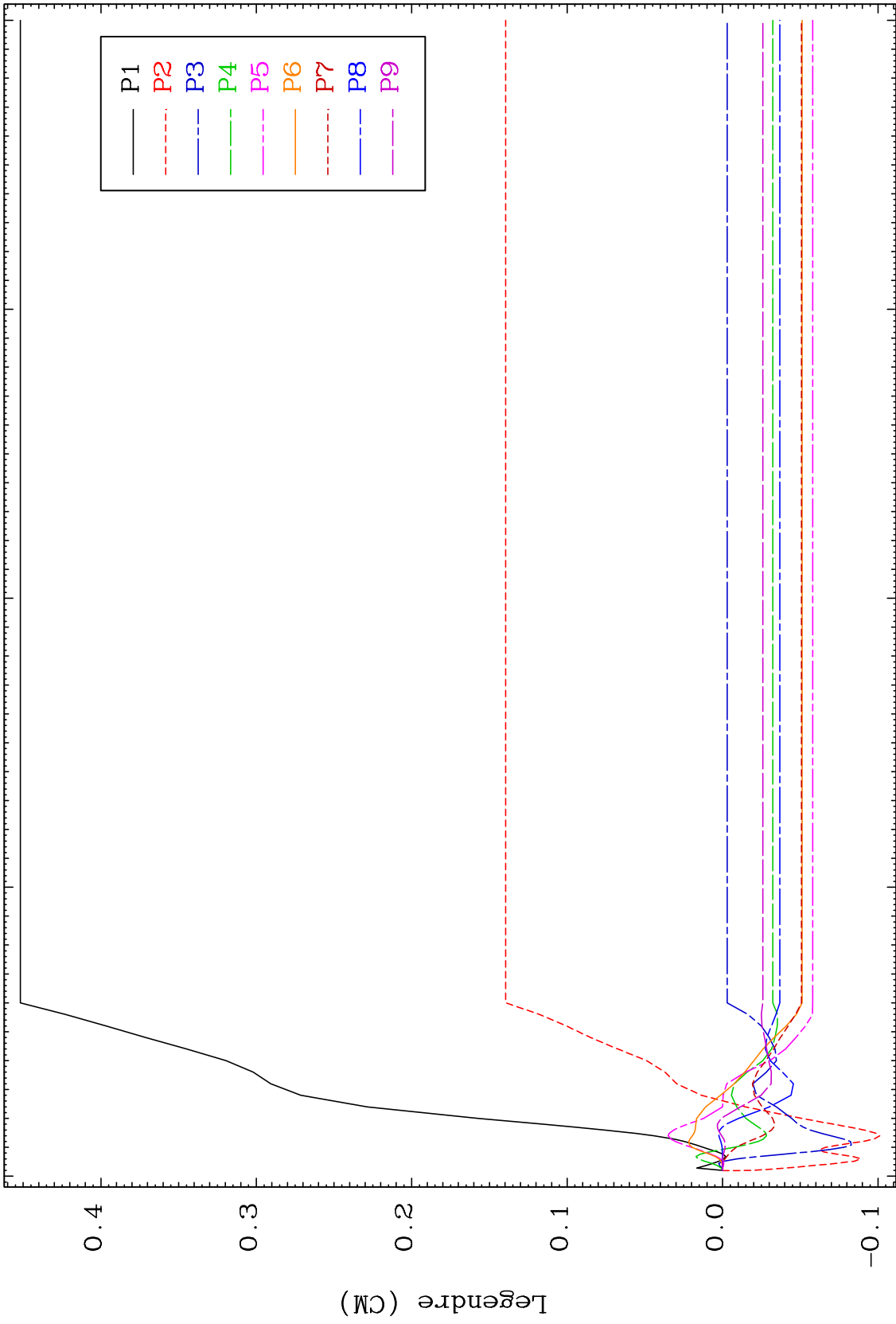
Incident Energy (MeV)

60-Nd-130

MAT 5989

MT= 54 (n,n') Level
Legendre Coefficients

60-Nd-130



60-Nd-130

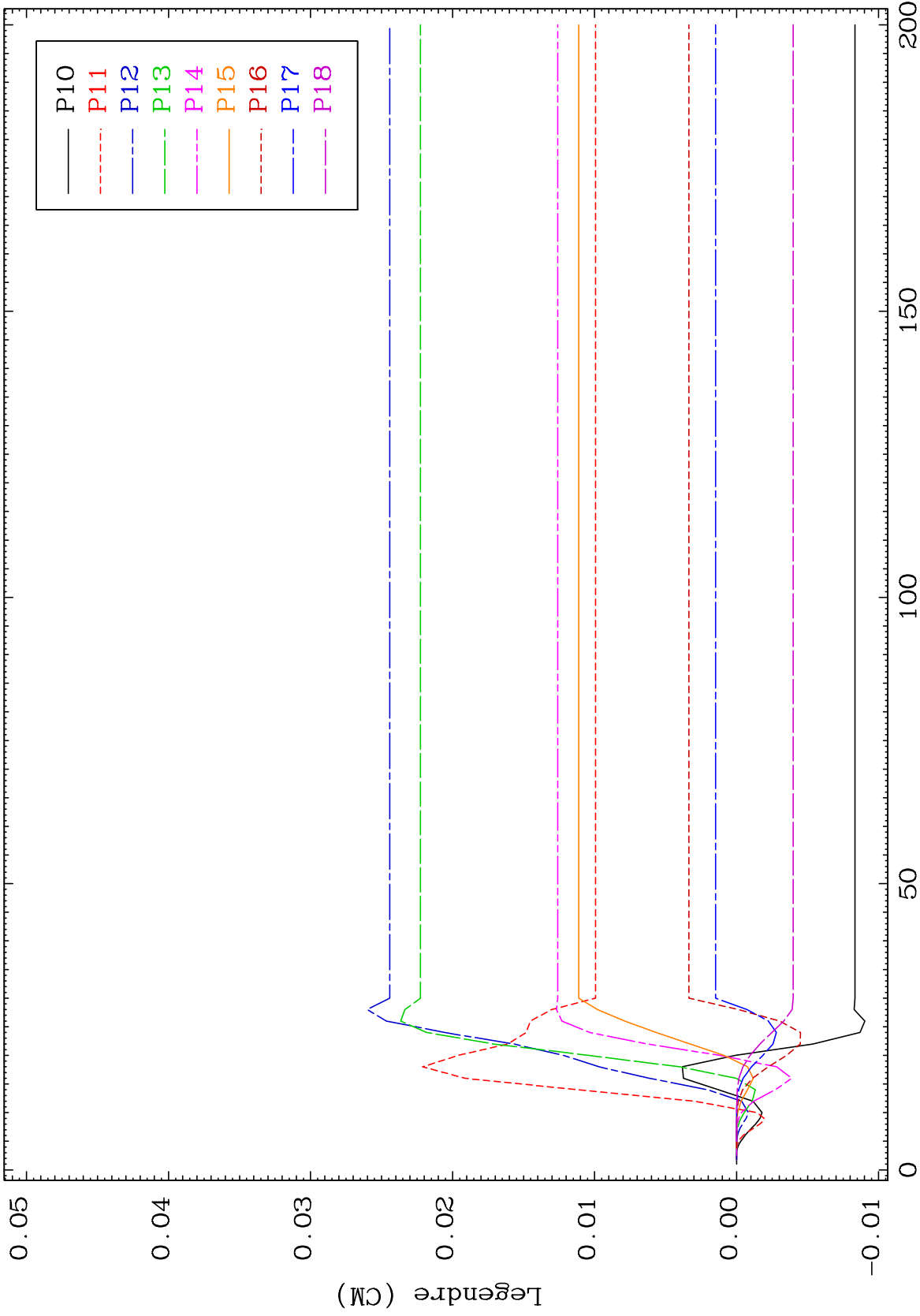
Incident Energy (MeV)

30

MAT 5989

MT= 54 (n,n') Level
Legendre Coefficients

60-Nd-130



31

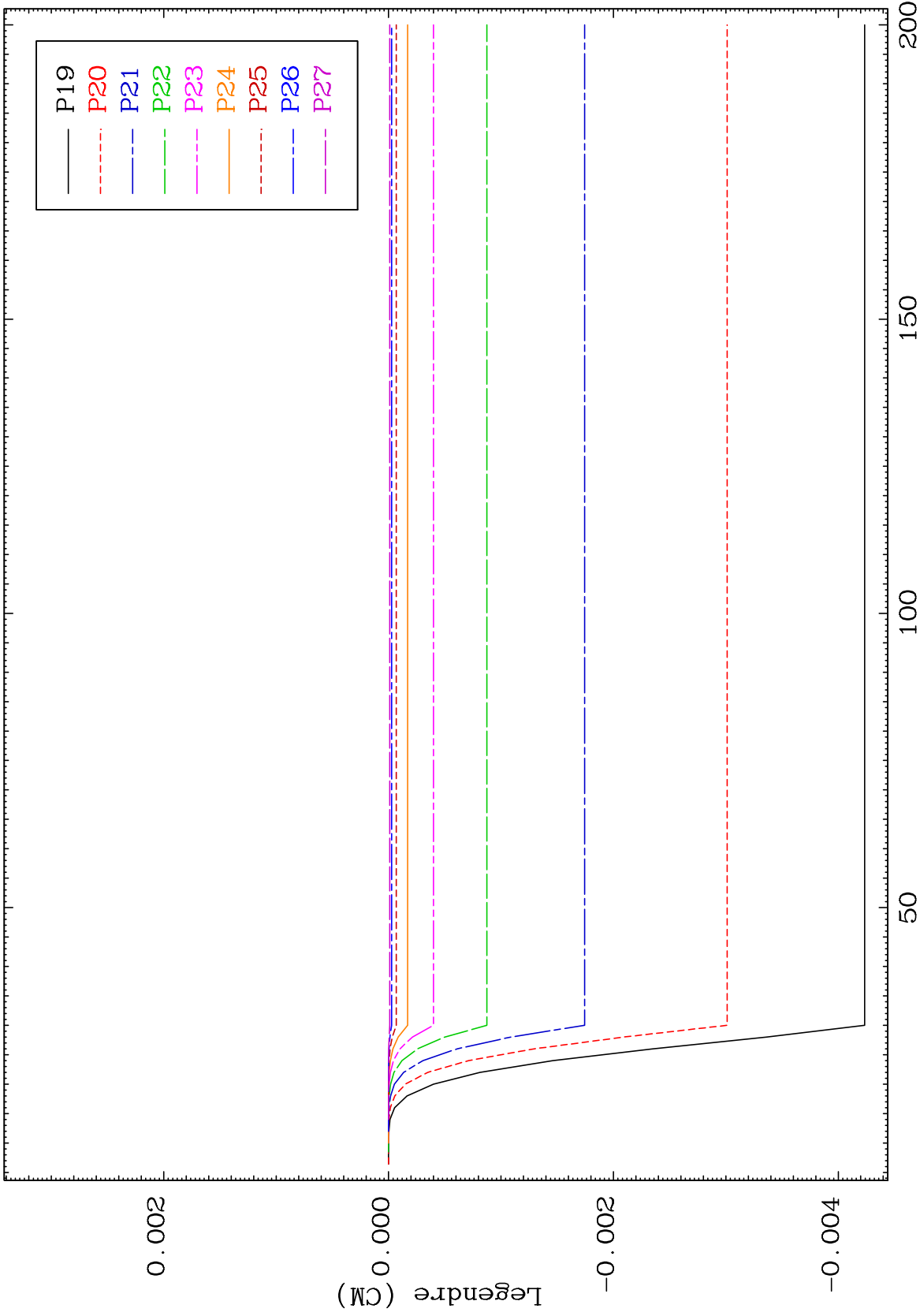
Incident Energy (MeV)

60-Nd-130

MAT 5989

MT= 54 (n,n') Level
Legendre Coefficients

60-Nd-130

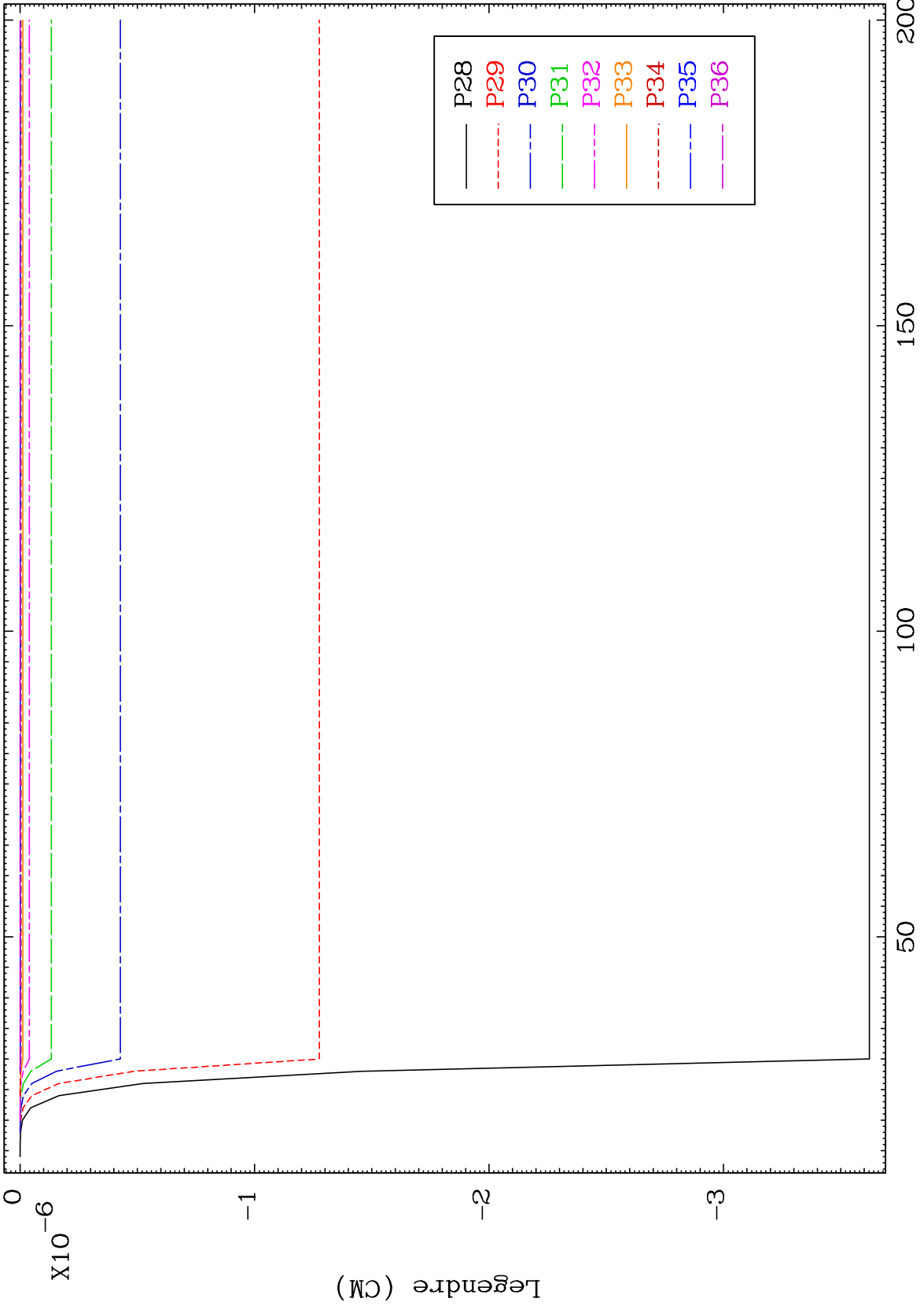


32

Incident Energy (MeV)

60-Nd-130

MAT 5989 MT= 54 (n,n') Level Legendre Coefficients 60-Nd-130

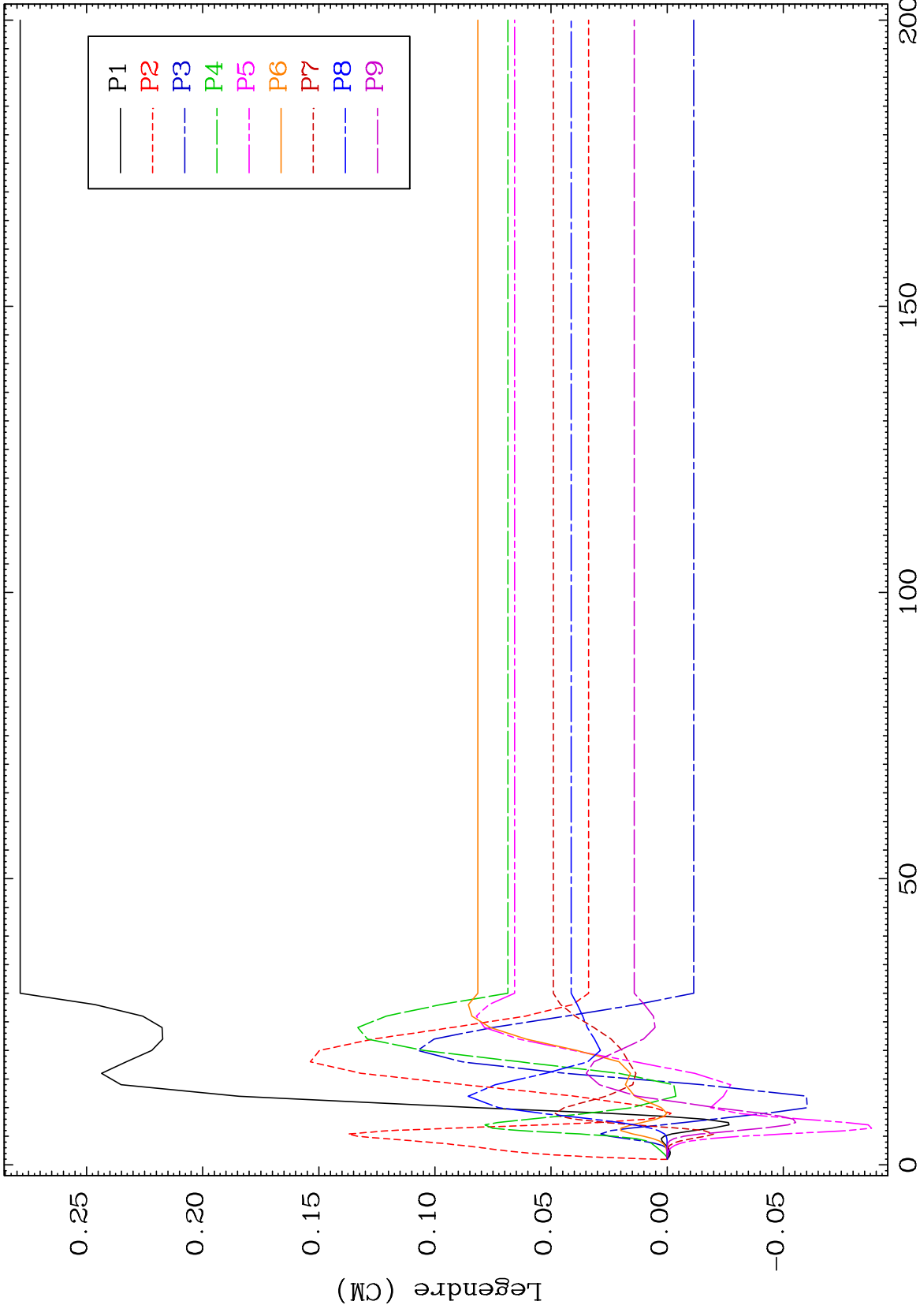


33 Incident Energy (MeV) 60-Nd-130

MAT 5989

MT= 55 (n,n') Level
Legendre Coefficients

60-Nd-130

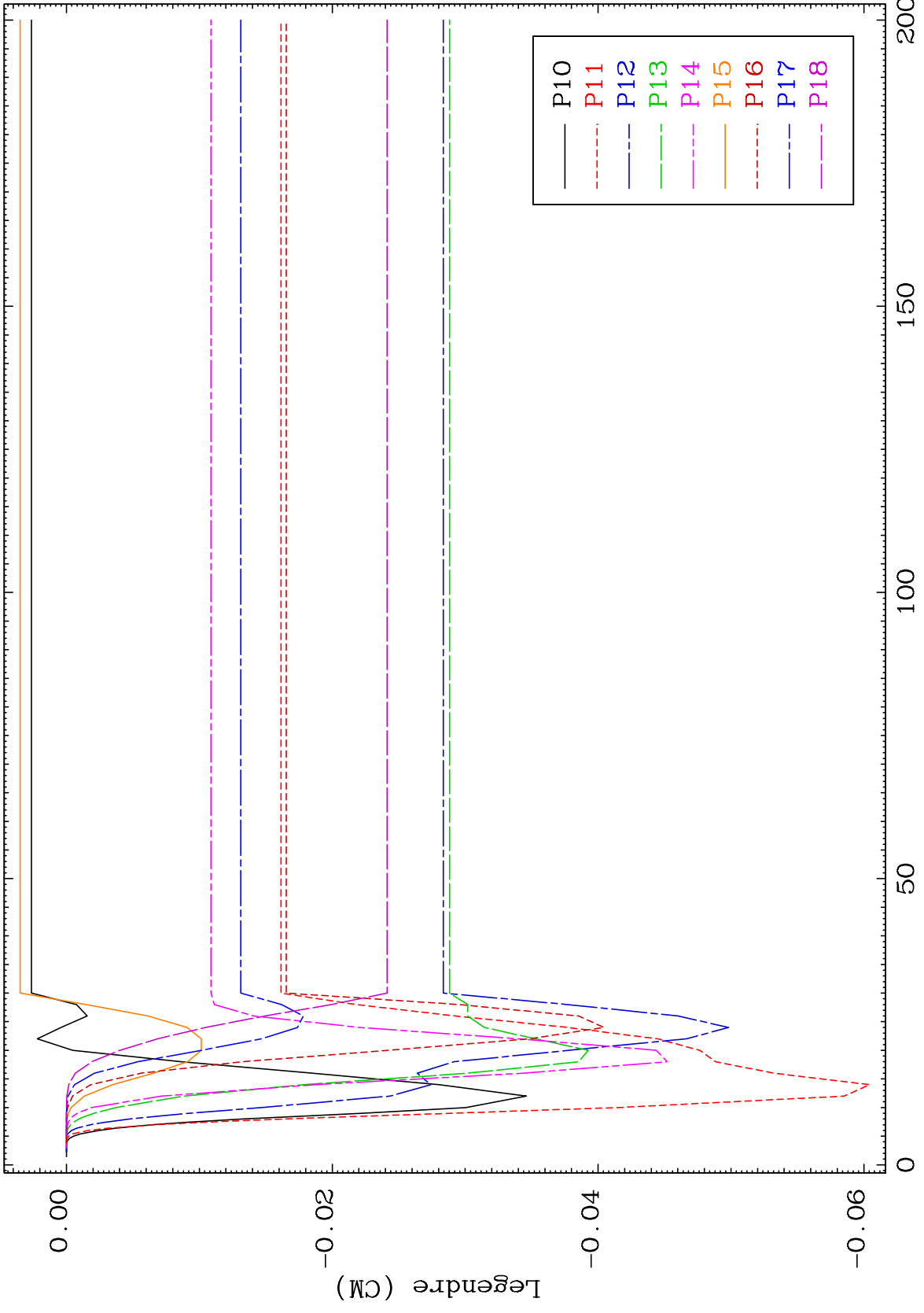


34

Incident Energy (MeV)

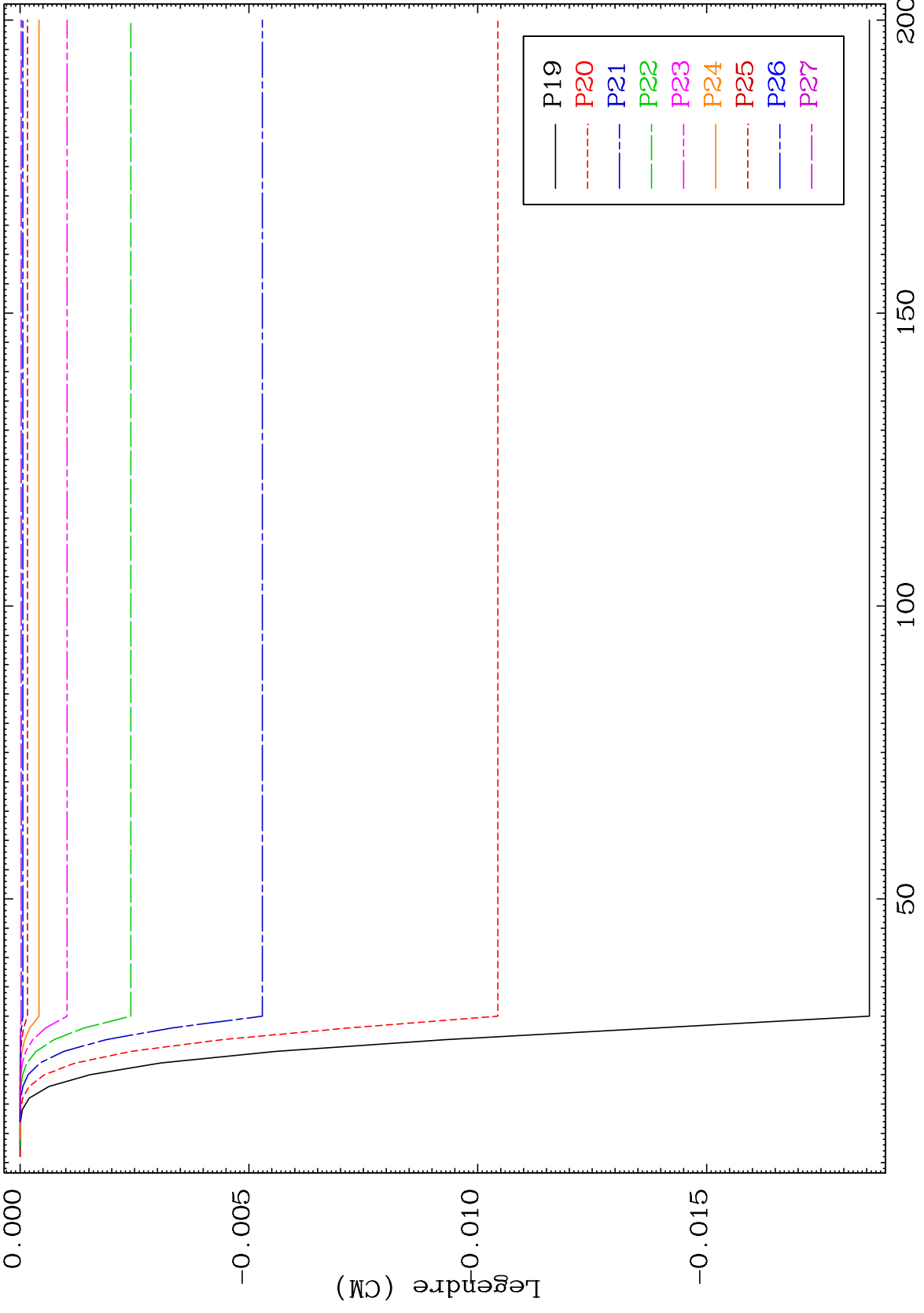
60-Nd-130

MAT 5989 MT= 55 (n,n') Level Legendre Coefficients 60-Nd-130



35 Incident Energy (MeV) 60-Nd-130

MAT 5989 MT= 55 (n,n') Level Legendre Coefficients 60-Nd-130

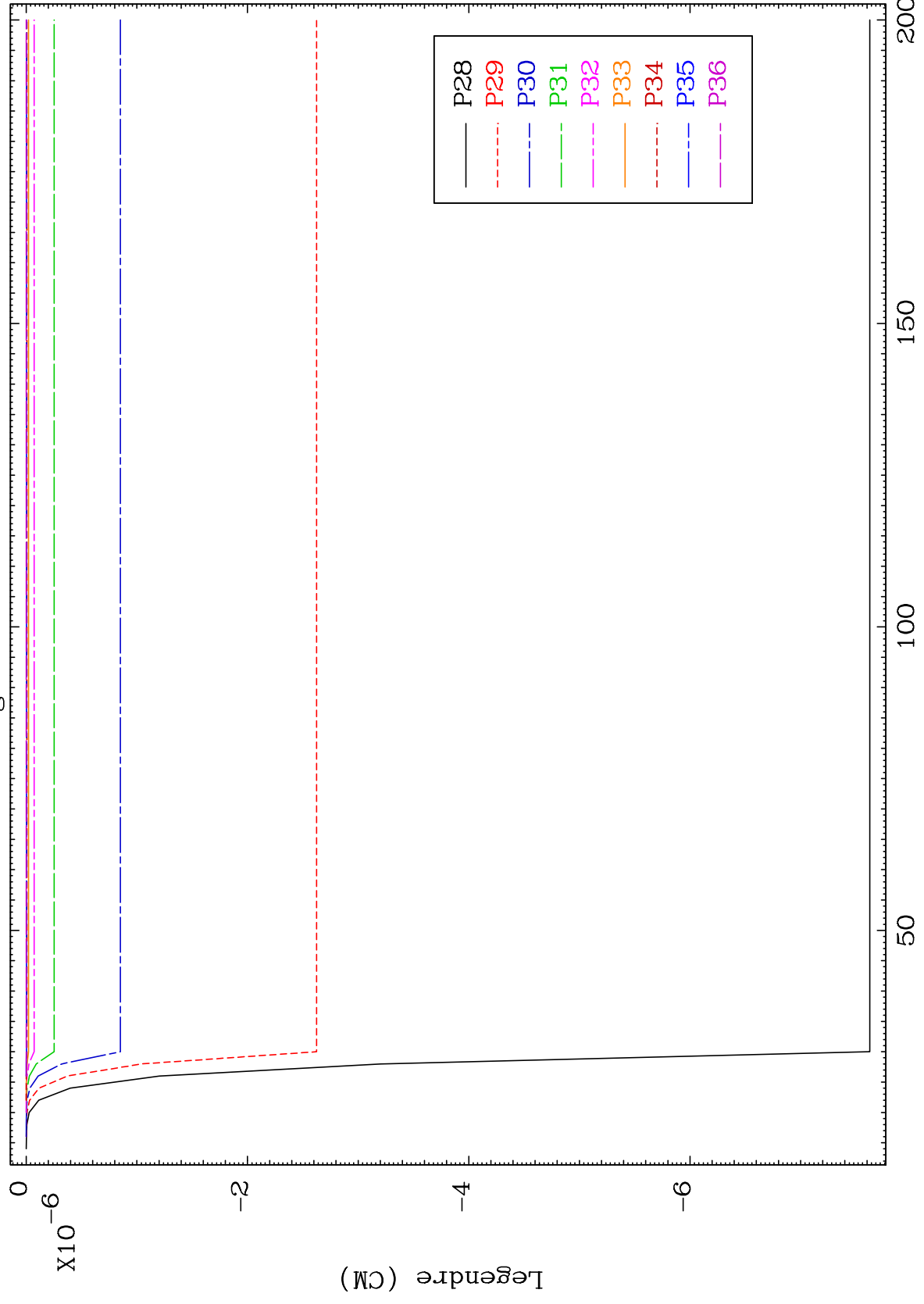


36 60-Nd-130

MAT 5989

MT= 55 (n,n') Level
Legendre Coefficients

60-Nd-130



60-Nd-130

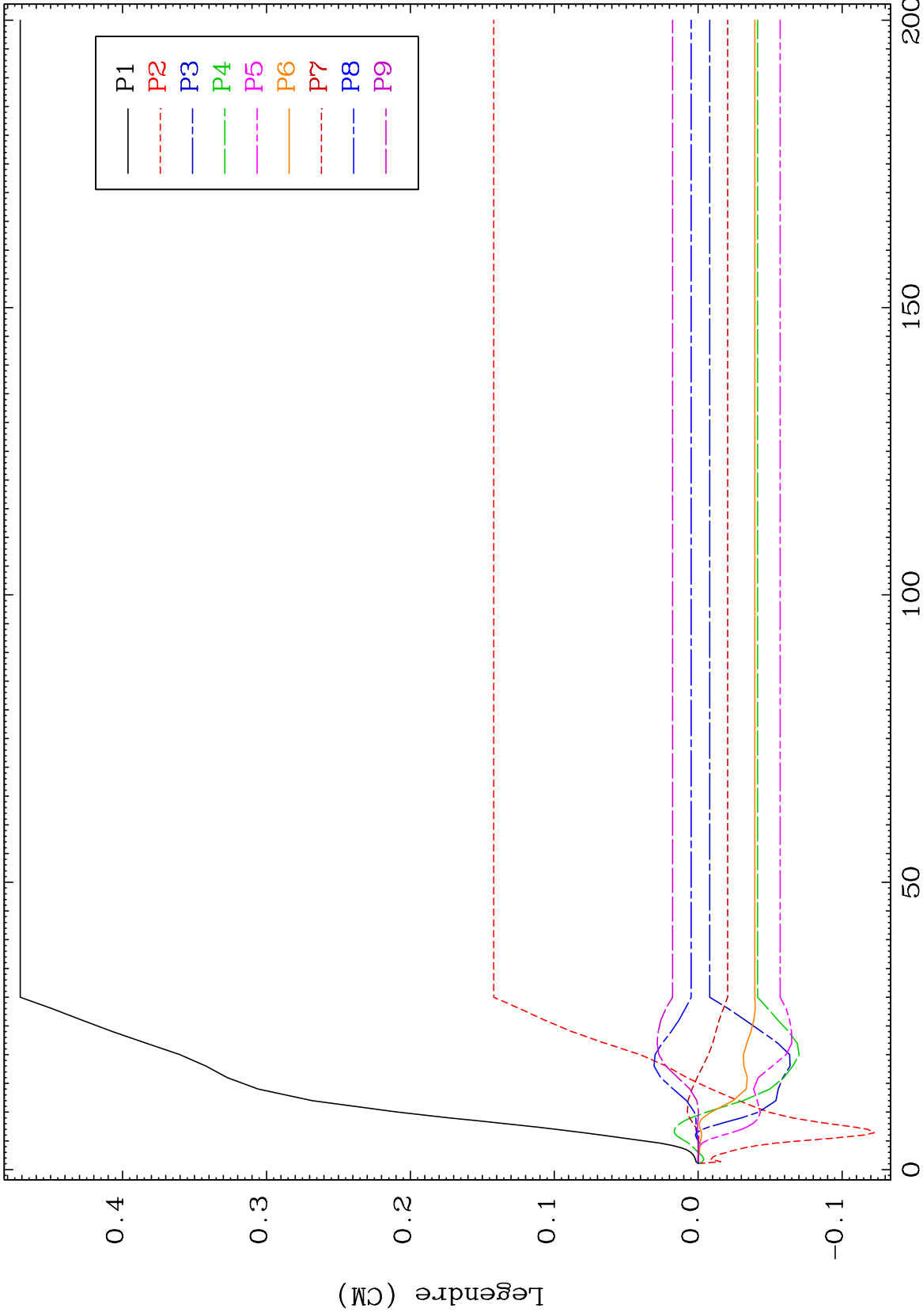
Incident Energy (MeV)

37

MAT 5989

MT= 56 (n,n') Level
Legendre Coefficients

60-Nd-130



38

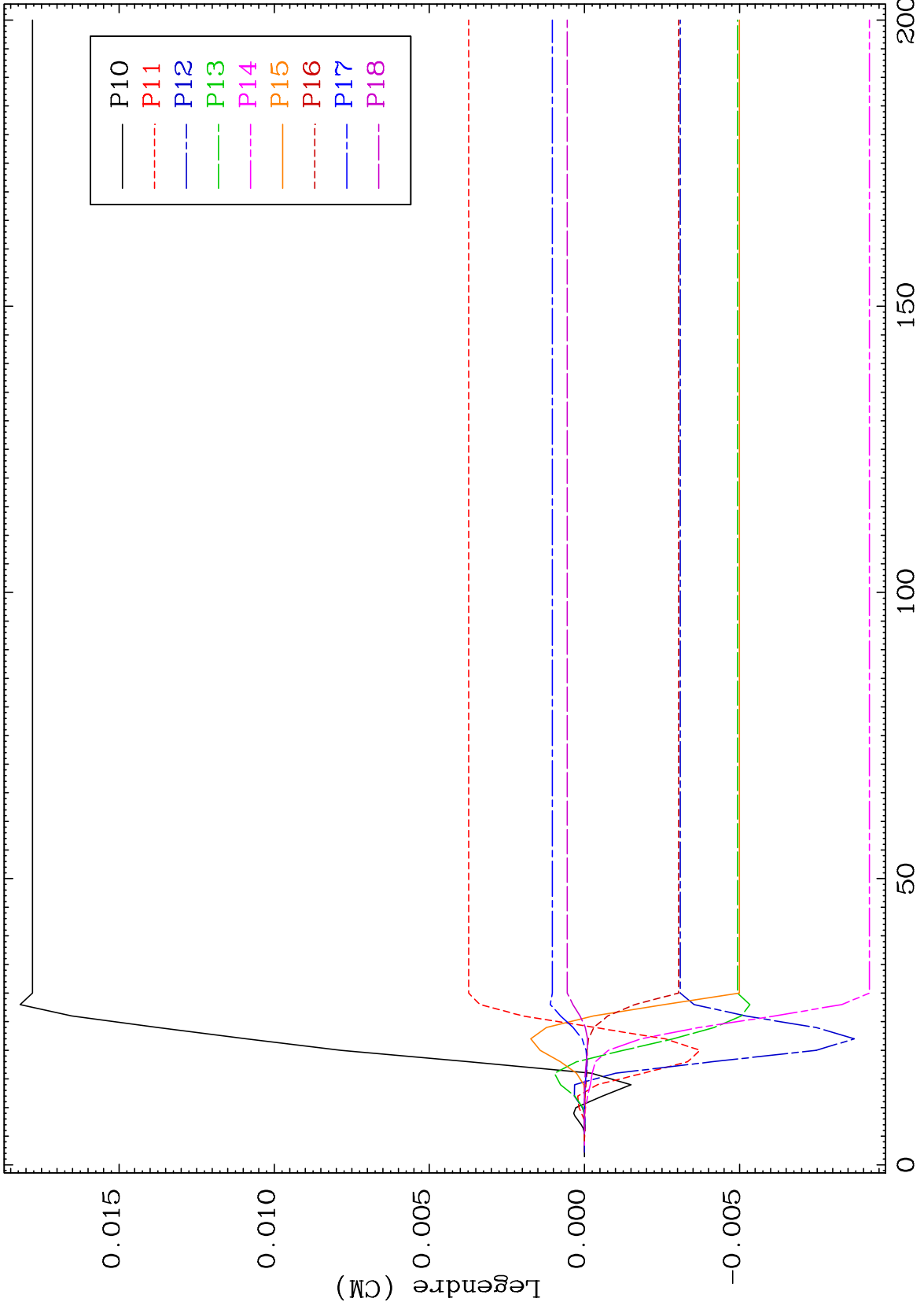
Incident Energy (MeV)

60-Nd-130

MAT 5989

MT= 56 (n,n') Level
Legendre Coefficients

60-Nd-130



39

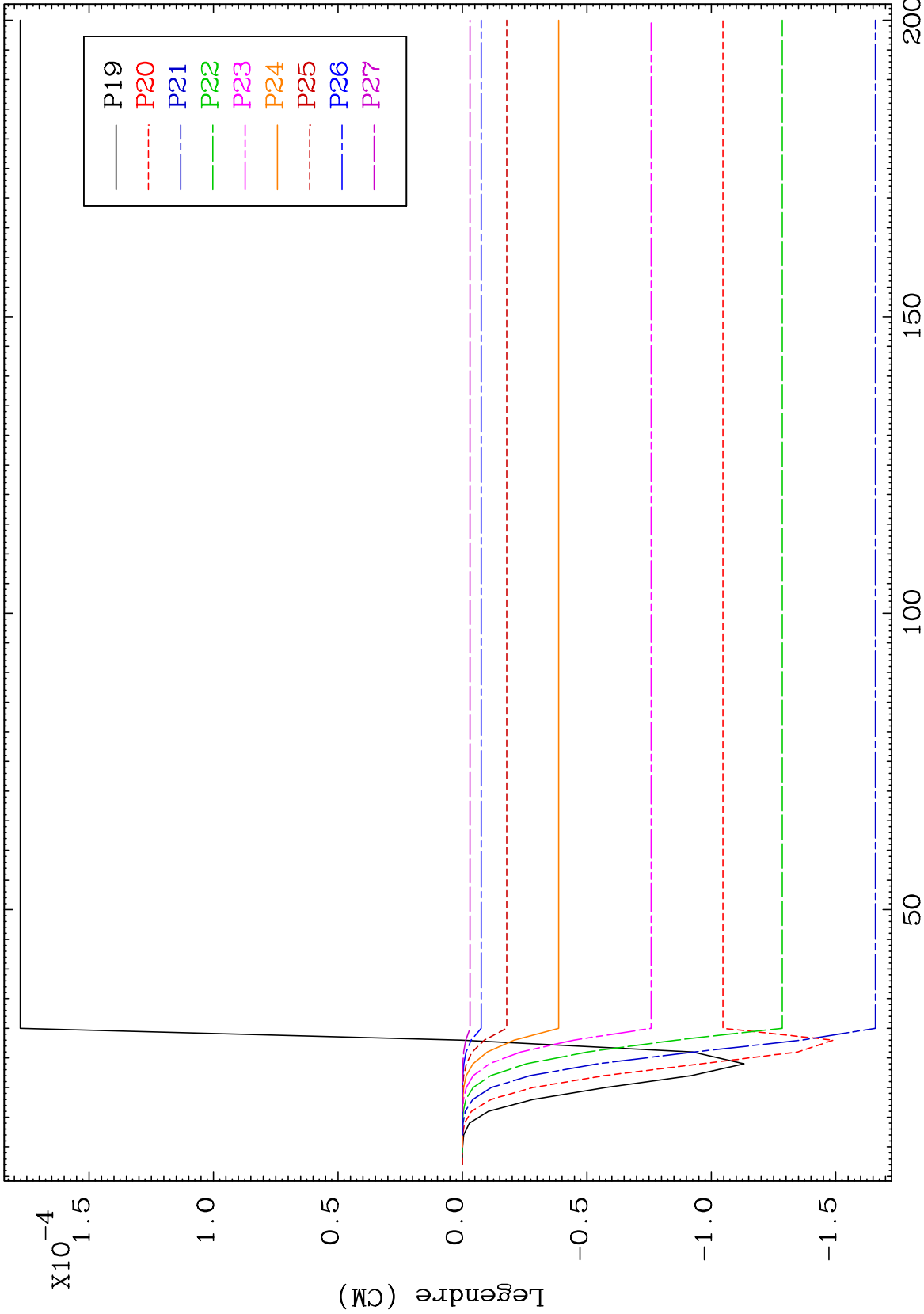
Incident Energy (MeV)

60-Nd-130

MAT 5989

MT= 56 (n,n') Level
Legendre Coefficients

60-Nd-130



40

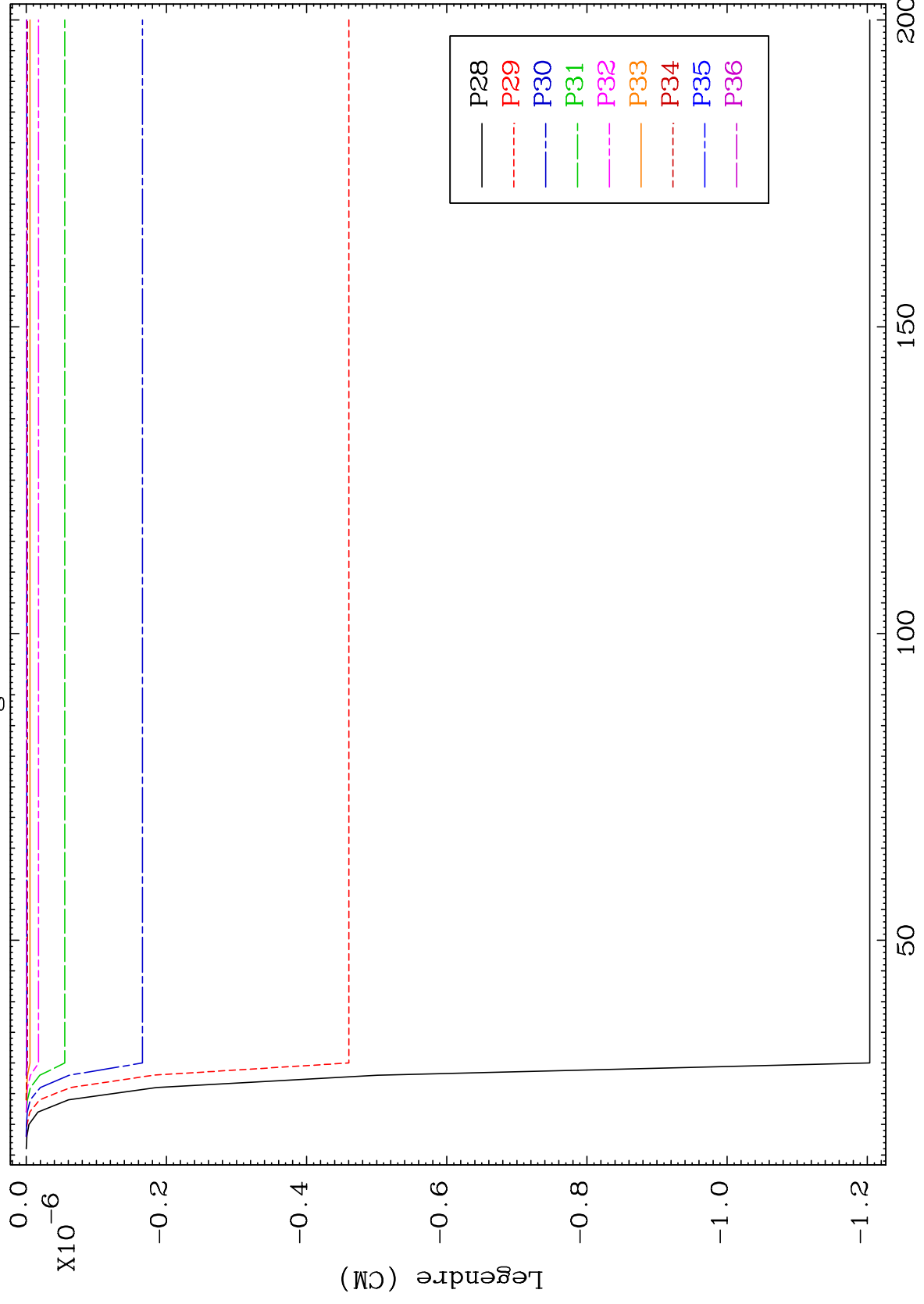
Incident Energy (MeV)

60-Nd-130

MAT 5989

MT= 56 (n,n') Level
Legendre Coefficients

60-Nd-130

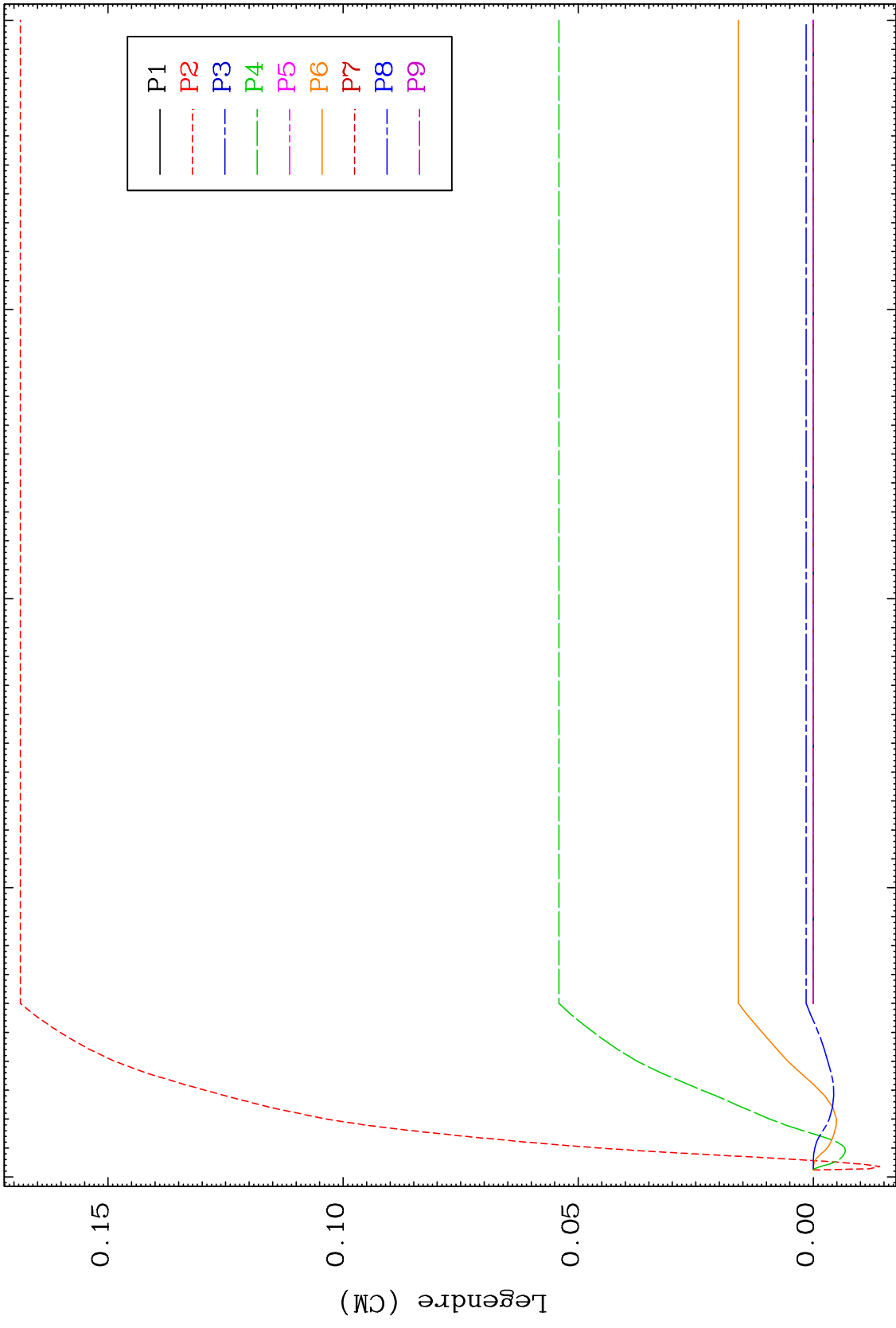


60-Nd-130

Incident Energy (MeV)

41

MAT 5989 MT= 57 (n,n') Level Legendre Coefficients 60-Nd-130

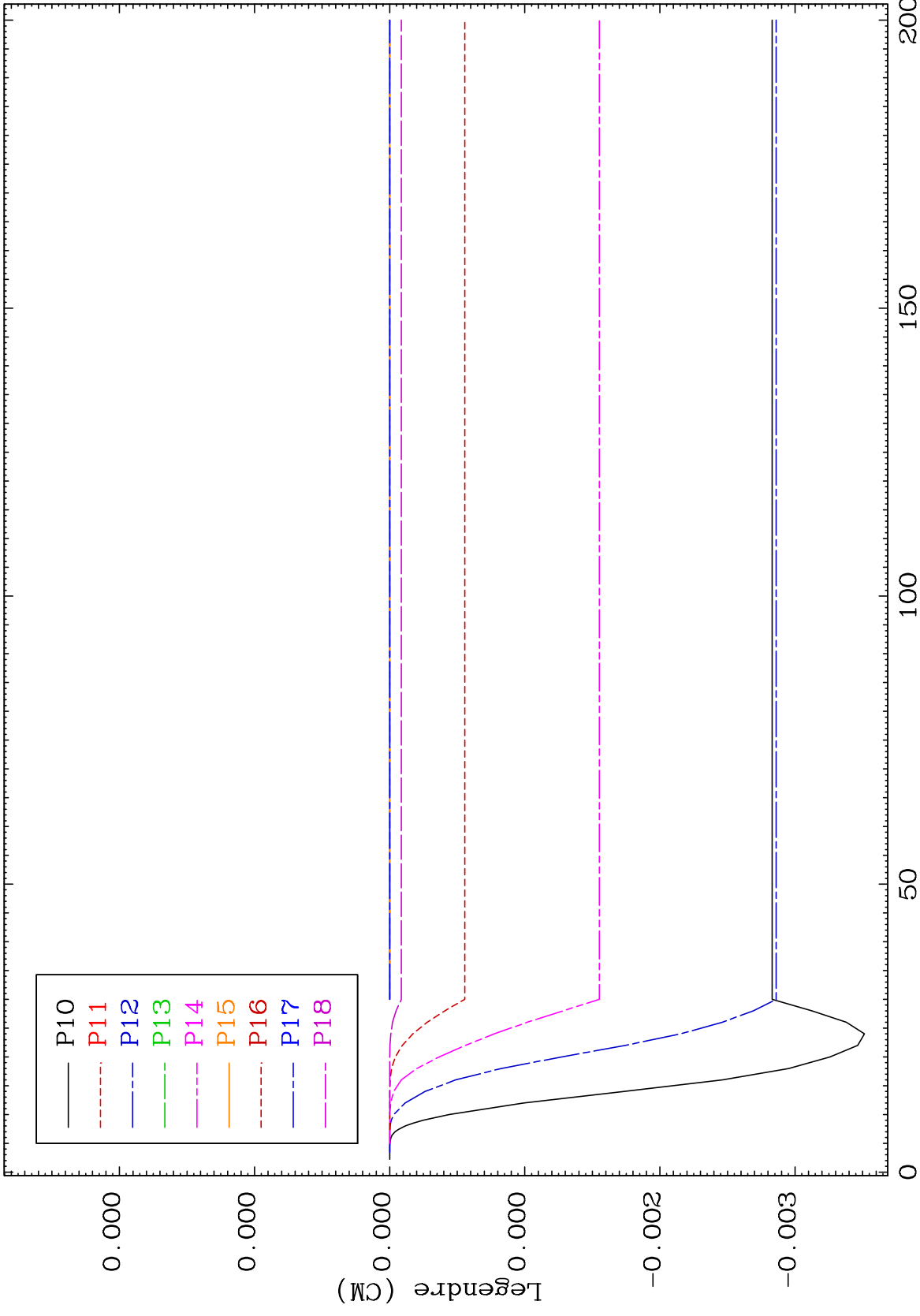


42 60-Nd-130

MAT 5989

MT= 57 (n,n') Level
Legendre Coefficients

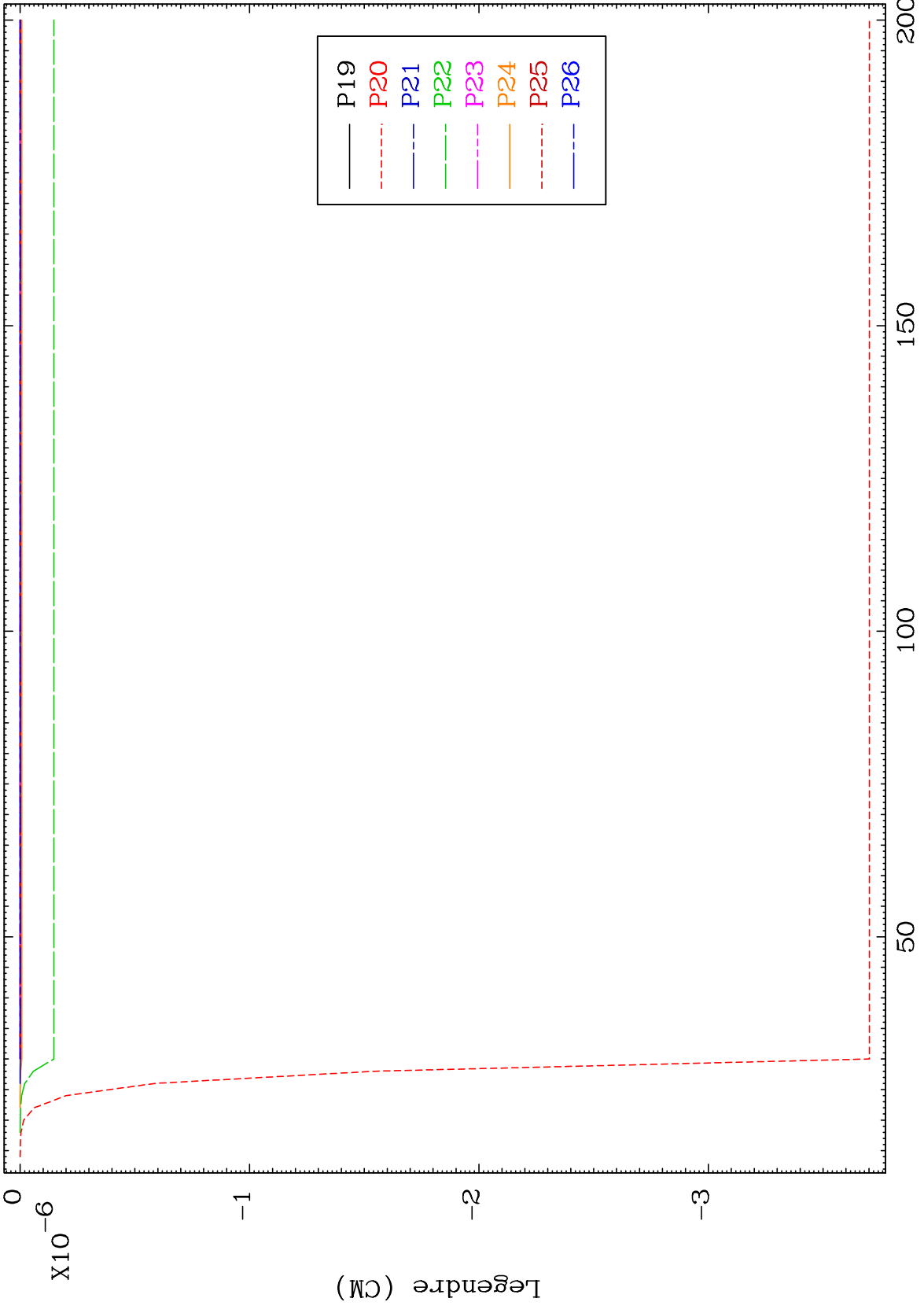
60-Nd-130



43

60-Nd-130

MAT 5989 MT= 57 (n,n') Level Legendre Coefficients 60-Nd-130



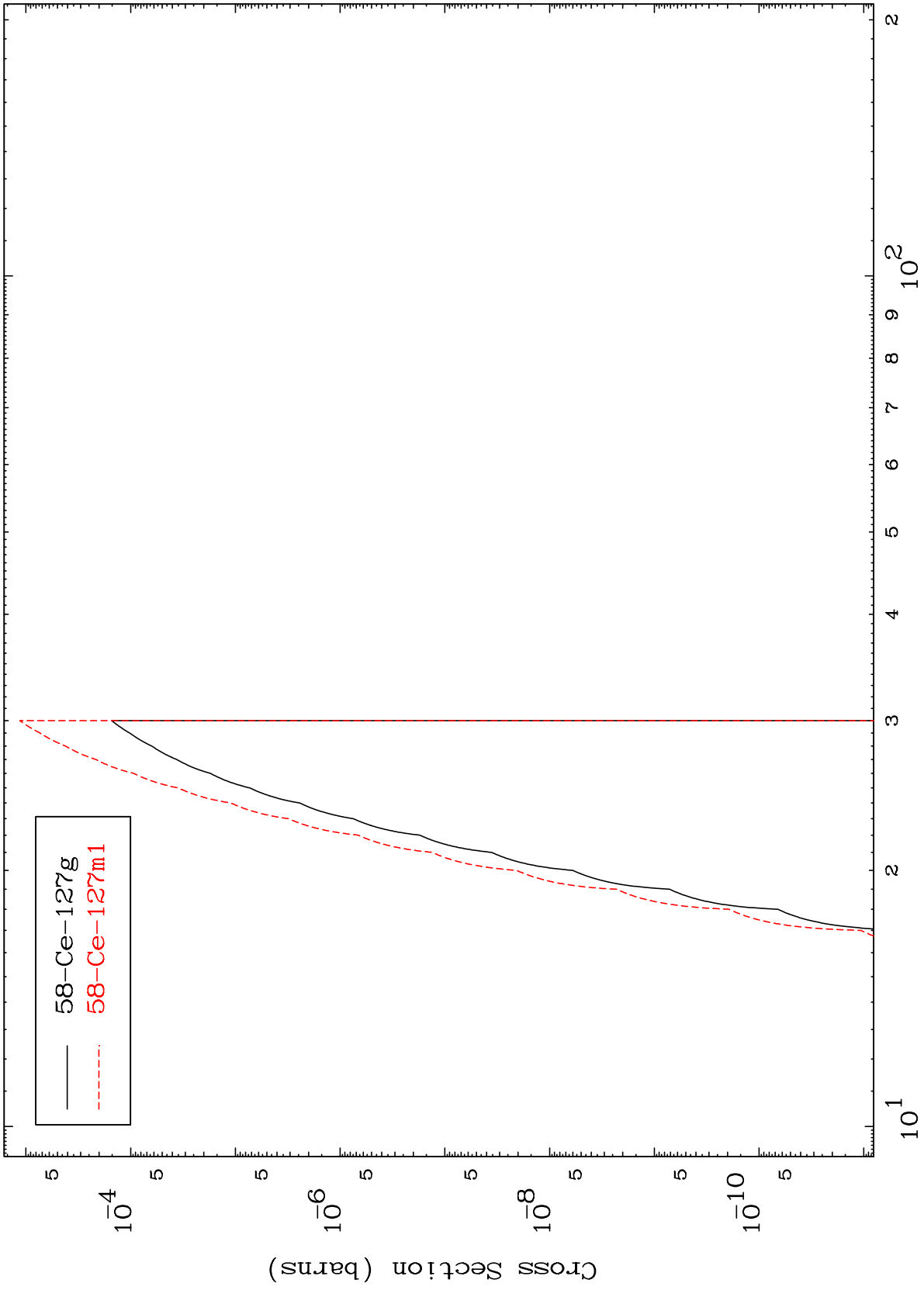
44 60-Nd-130 Incident Energy (MeV)

MAT 5989

(n, n') He-3

60-Nd-130

Radionuclide Production Cross Section



58-Ce-127g
58-Ce-127m1

45

Incident Energy (MeV)

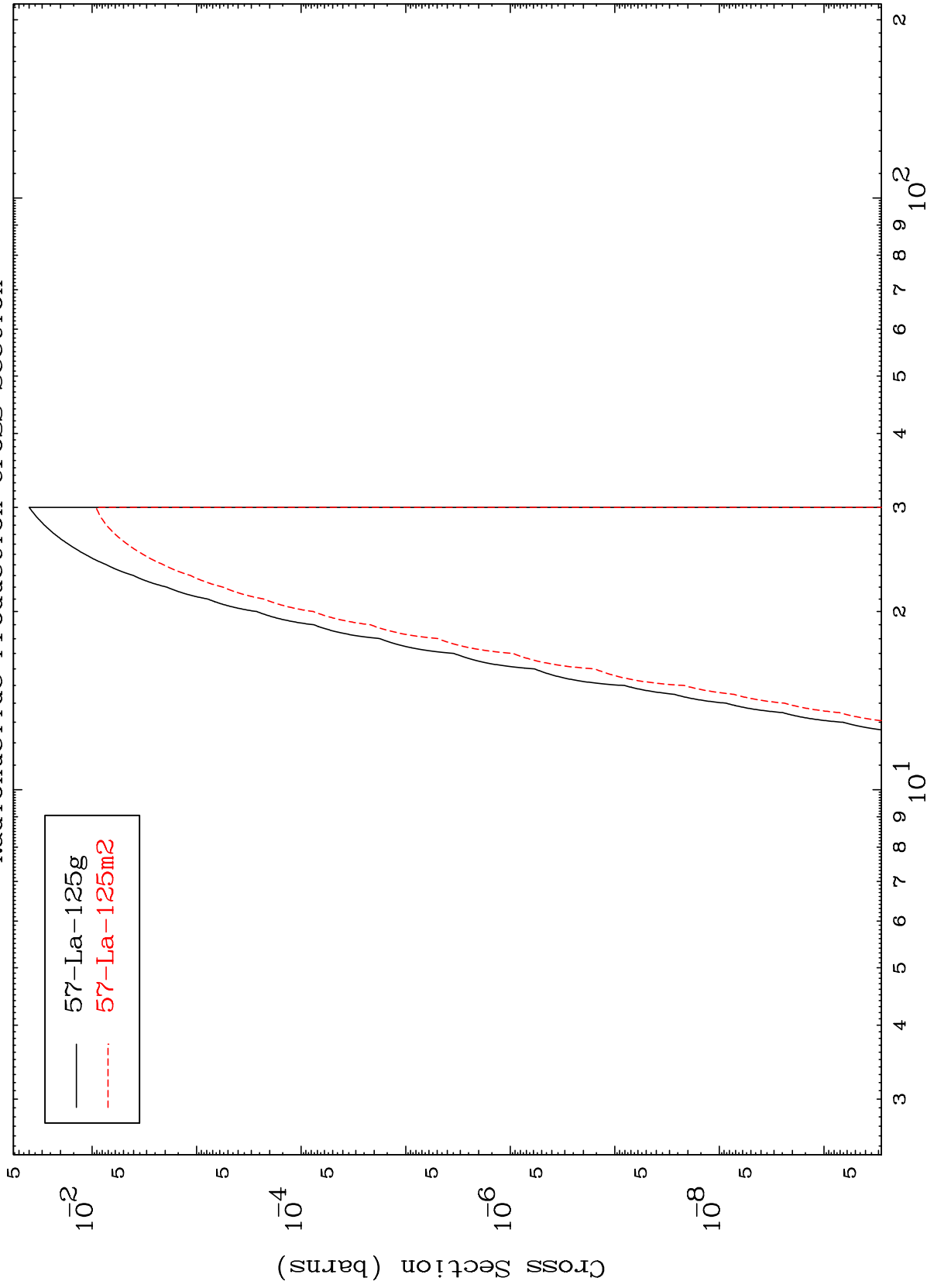
60-Nd-130

MAT 5989

(n,n') p α

60-Nd-130

Radionuclide Production Cross Section



46

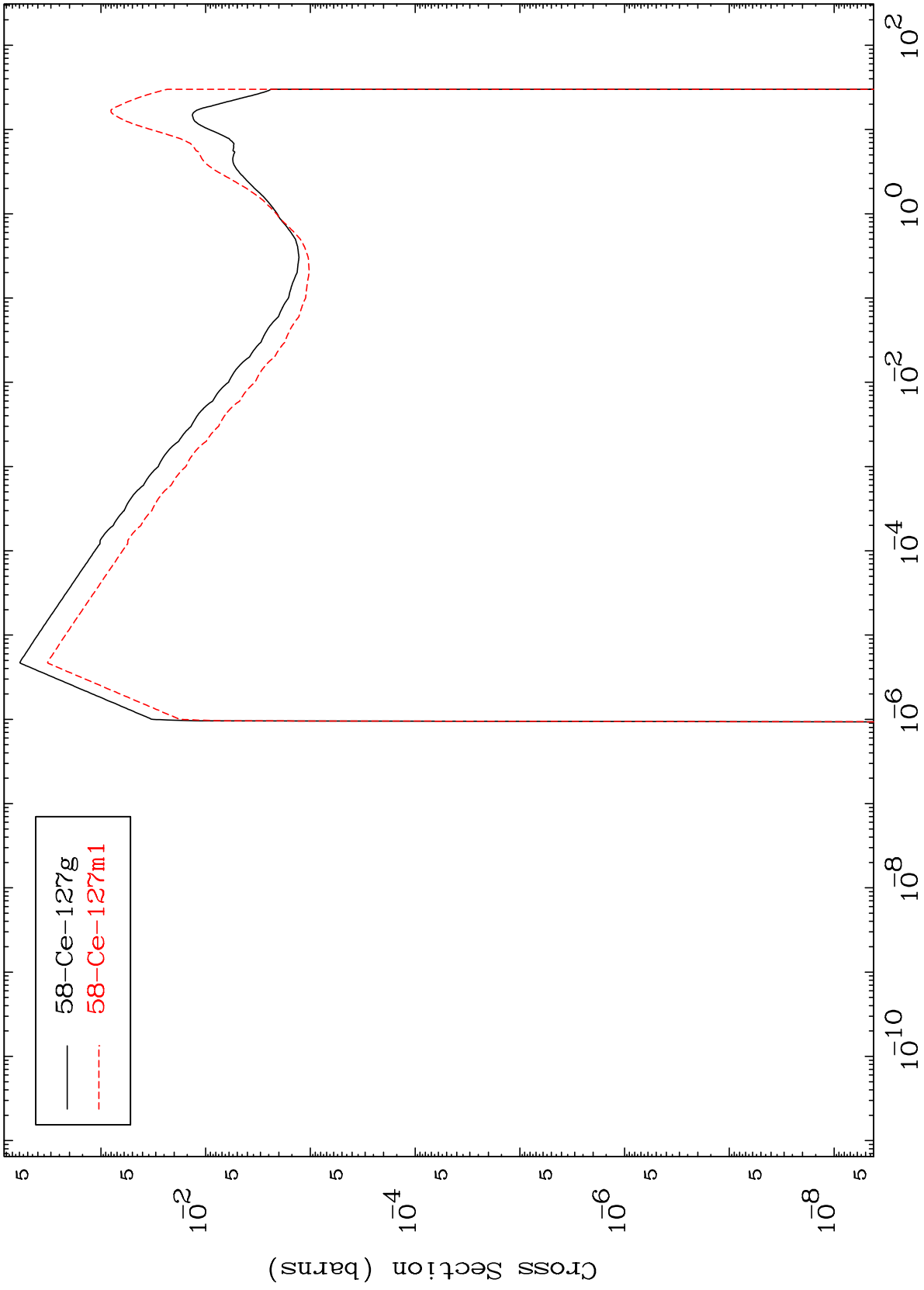
Incident Energy (MeV)

60-Nd-130

MAT 5989

60-Nd-130

Radionuclide Production Cross Section
(n, α)



47

Incident Energy (MeV)

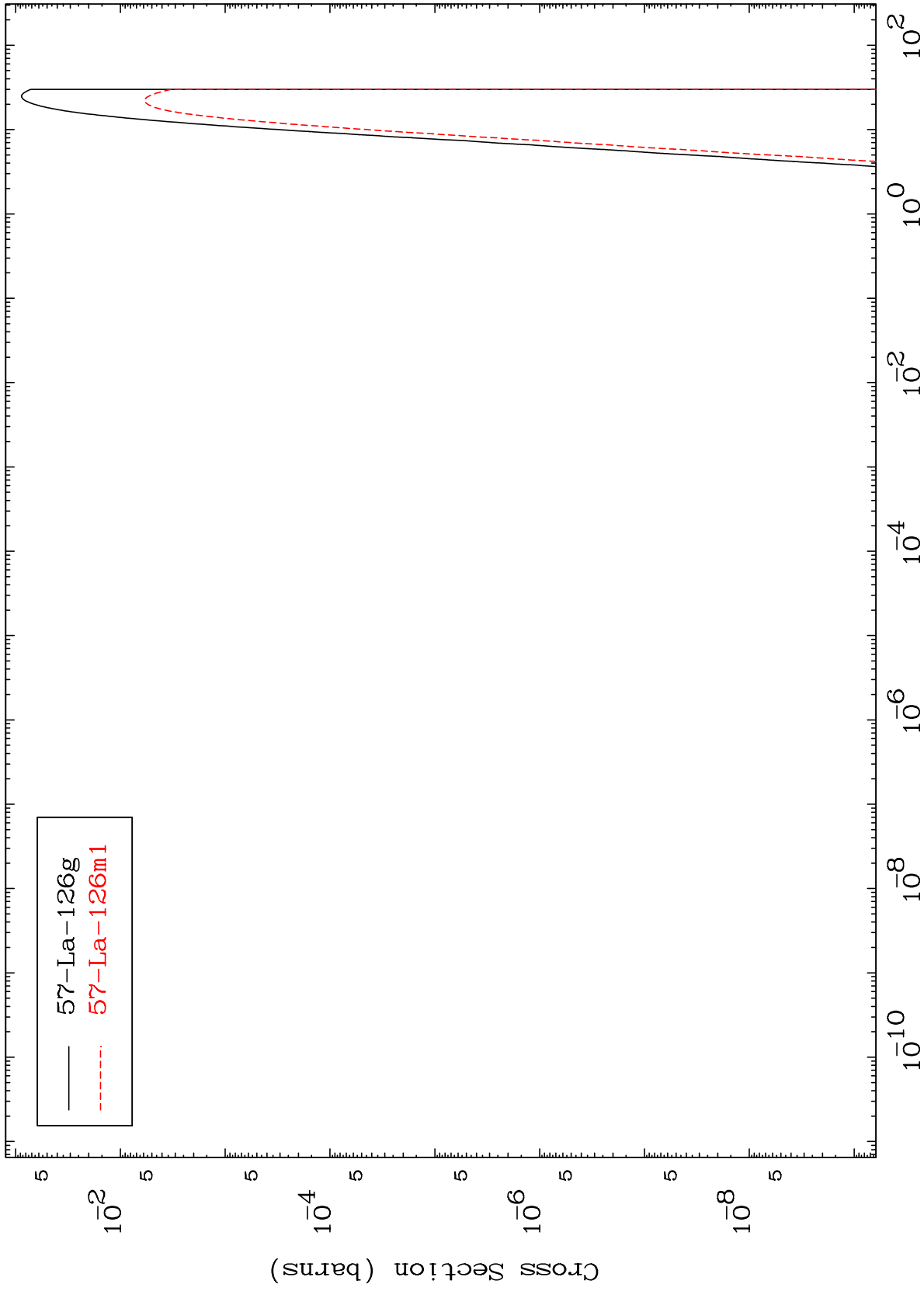
60-Nd-130

MAT 5989

(n,p) α

60-Nd-130

Radionuclide Production Cross Section



48

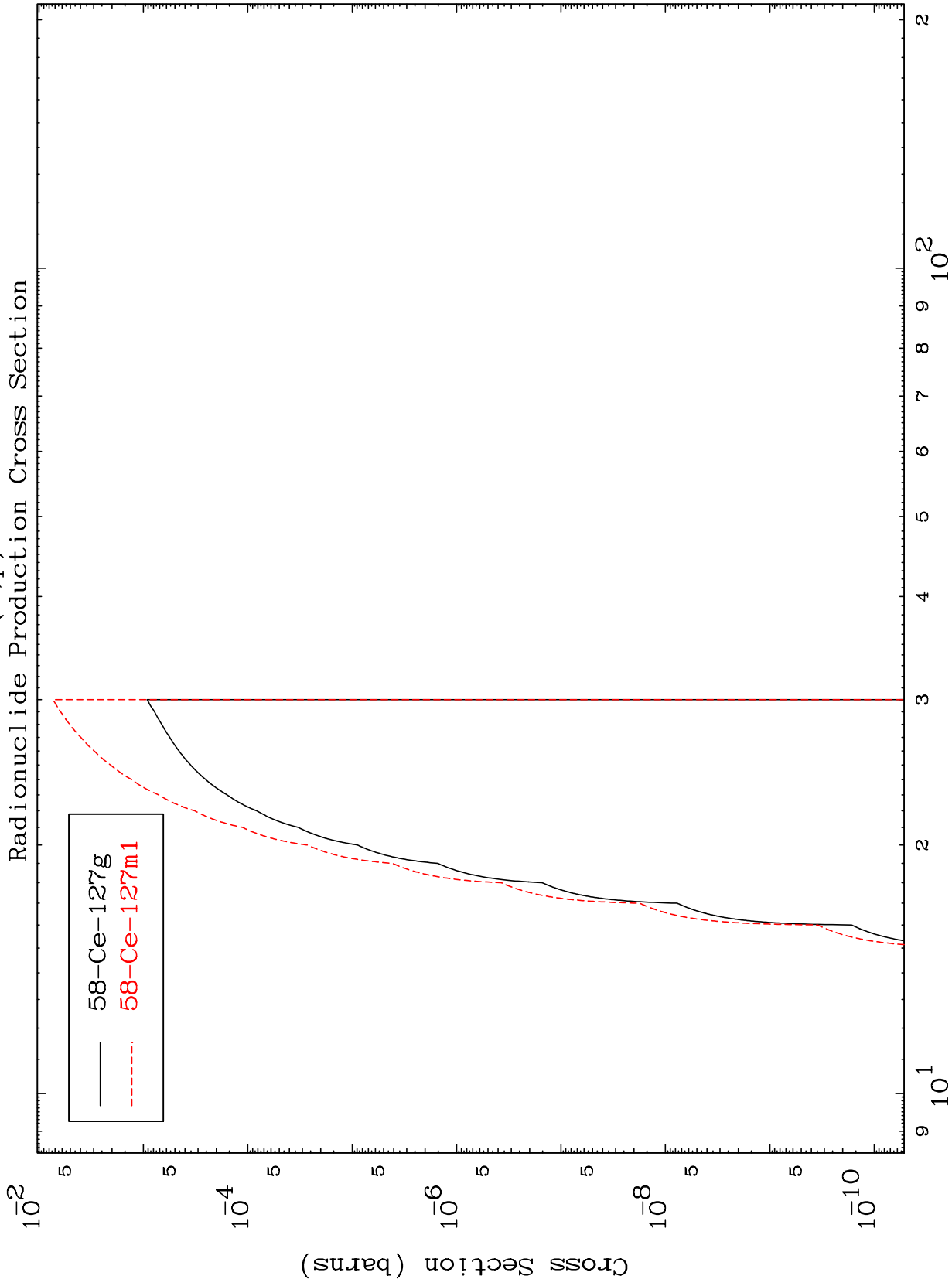
Incident Energy (MeV)

60-Nd-130

MAT 5989

(n,p) t

60-Nd-130



49

Incident Energy (MeV)

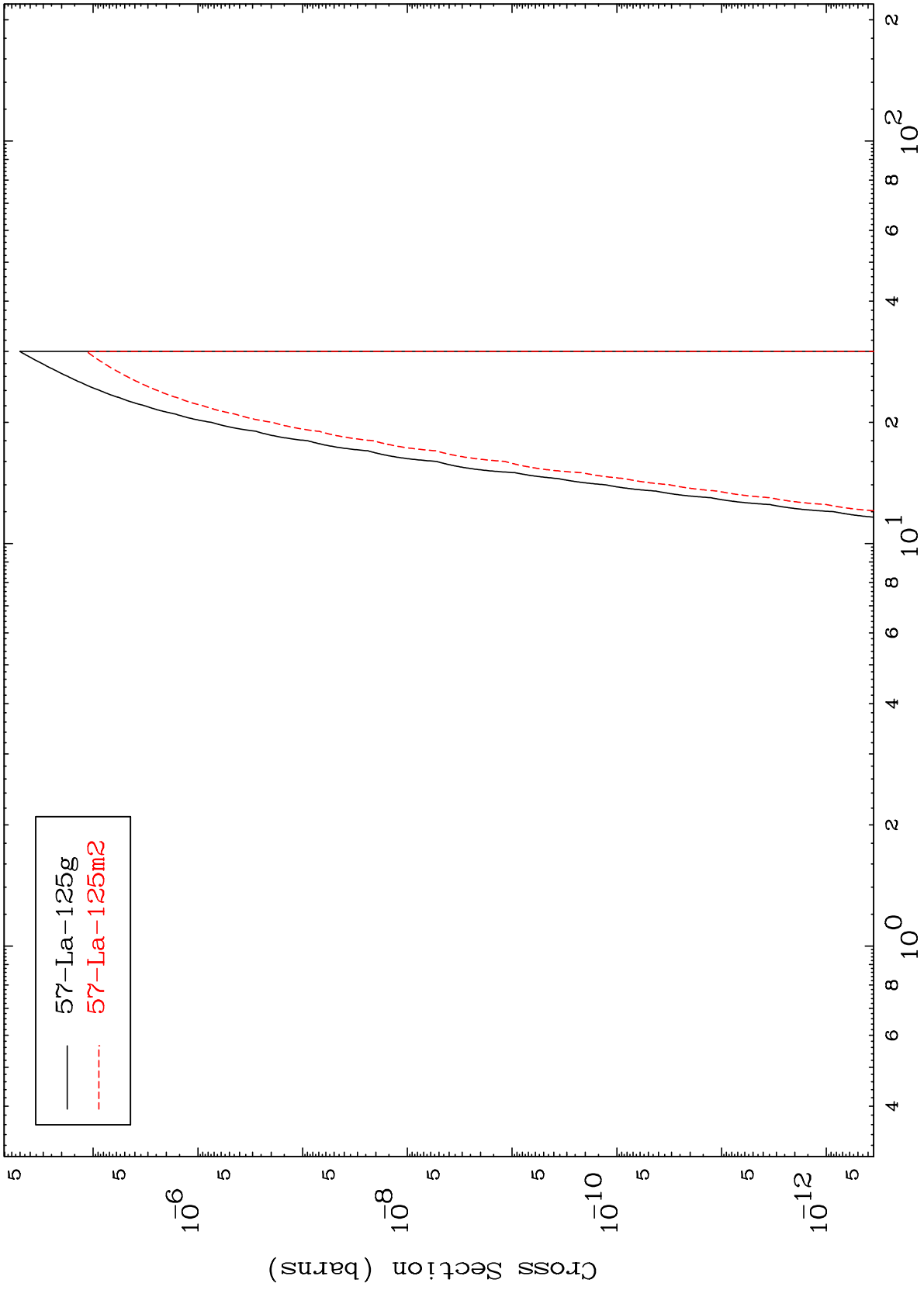
60-Nd-130

MAT 5989

(n,d) α

60-Nd-130

Radionuclide Production Cross Section



50

Incident Energy (MeV)

60-Nd-130