

Program EVALPLOT
(Version 2018-1)

by

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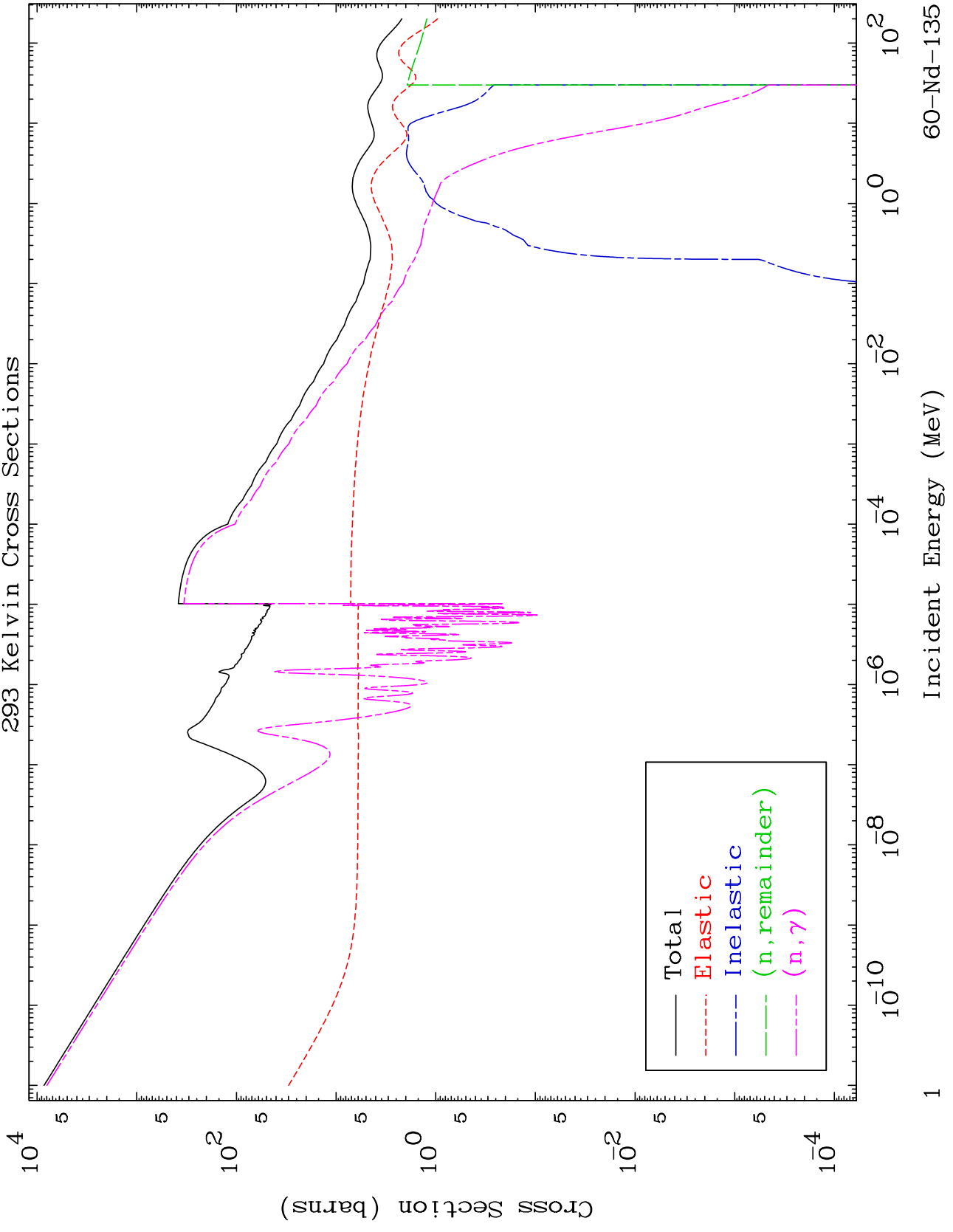
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6004

Major
293 Kelvin Cross Sections

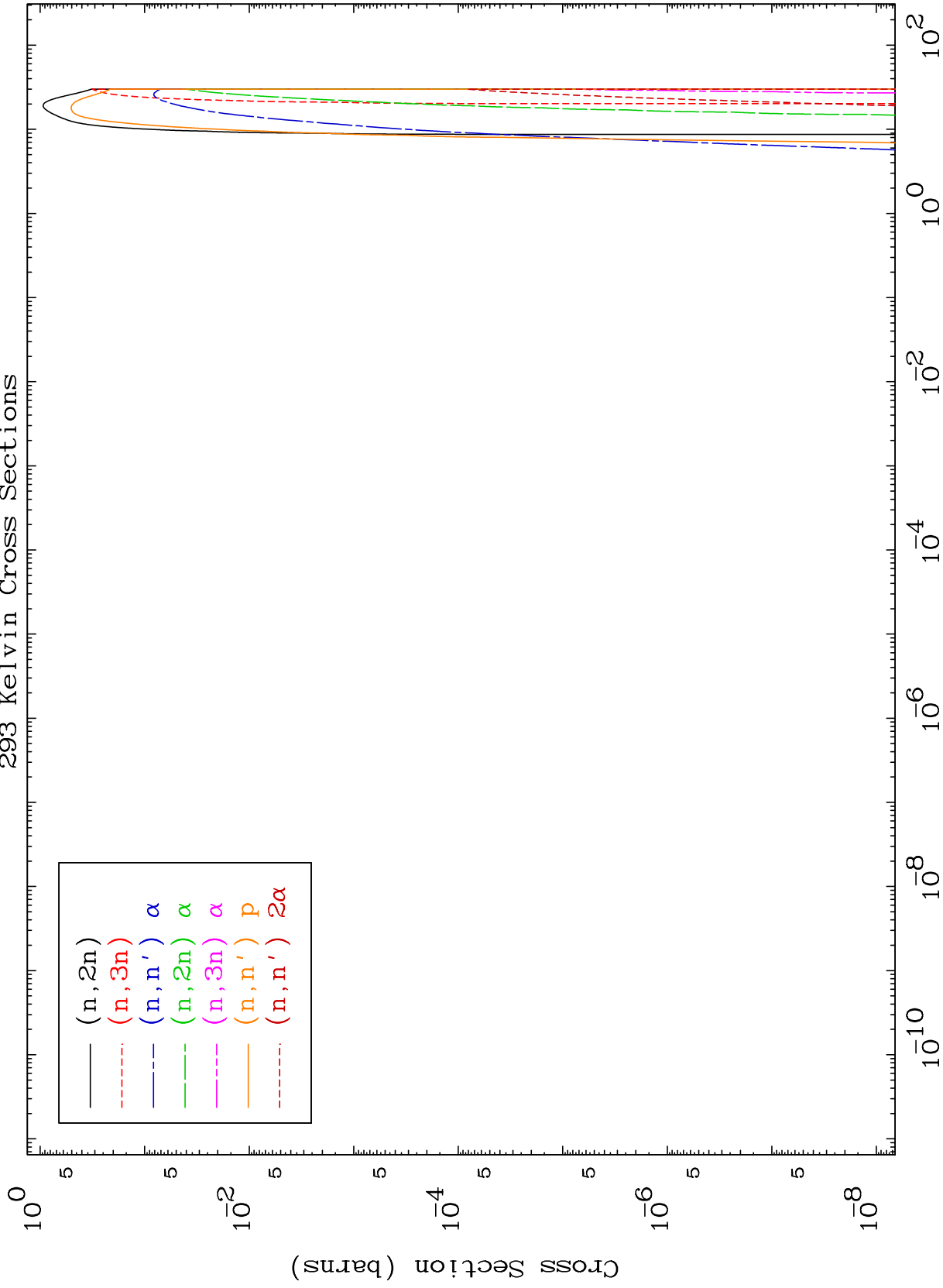
60-Nd-135



MAT 6004

Neutron Production
293 Kelvin Cross Sections

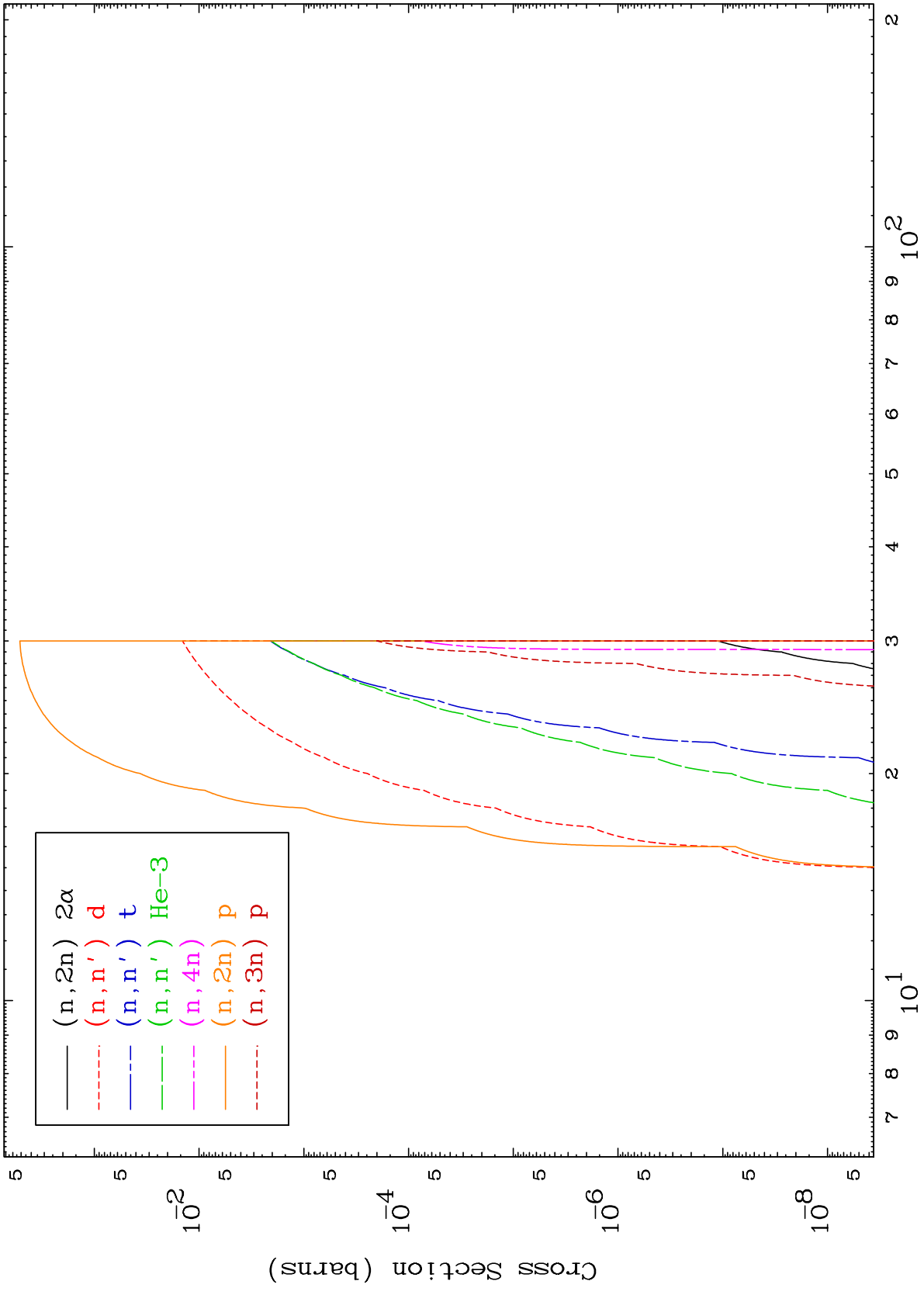
60-Nd-135



MAT 6004

Neutron Production
293 Kelvin Cross Sections

60-Nd-135



3

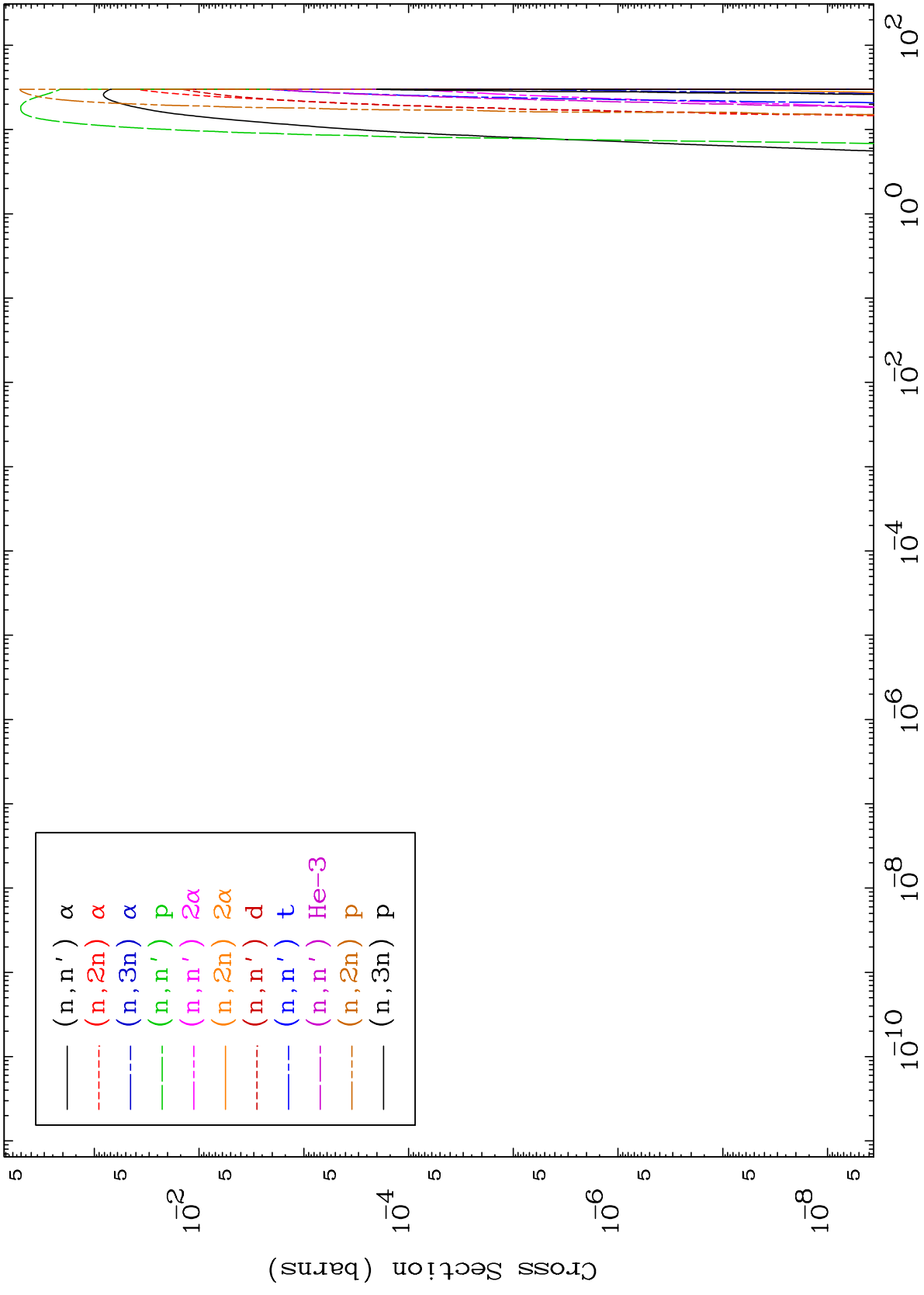
Incident Energy (MeV)

60-Nd-135

MAT 6004

Charged Particle
293 Kelvin Cross Sections

60-Nd-135

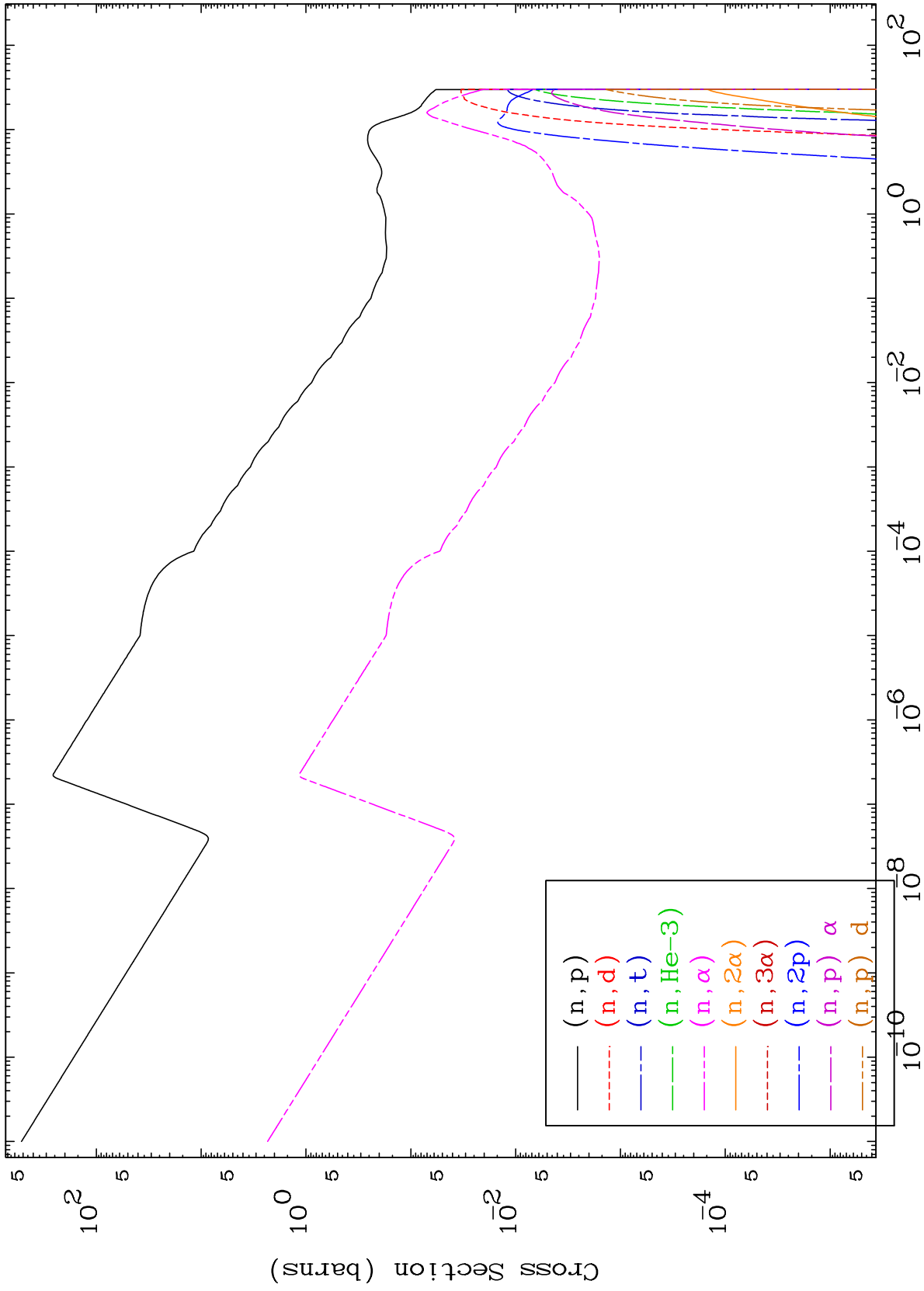


60-Nd-135

MAT 6004

Charged Particle
293 Kelvin Cross Sections

60-Nd-135



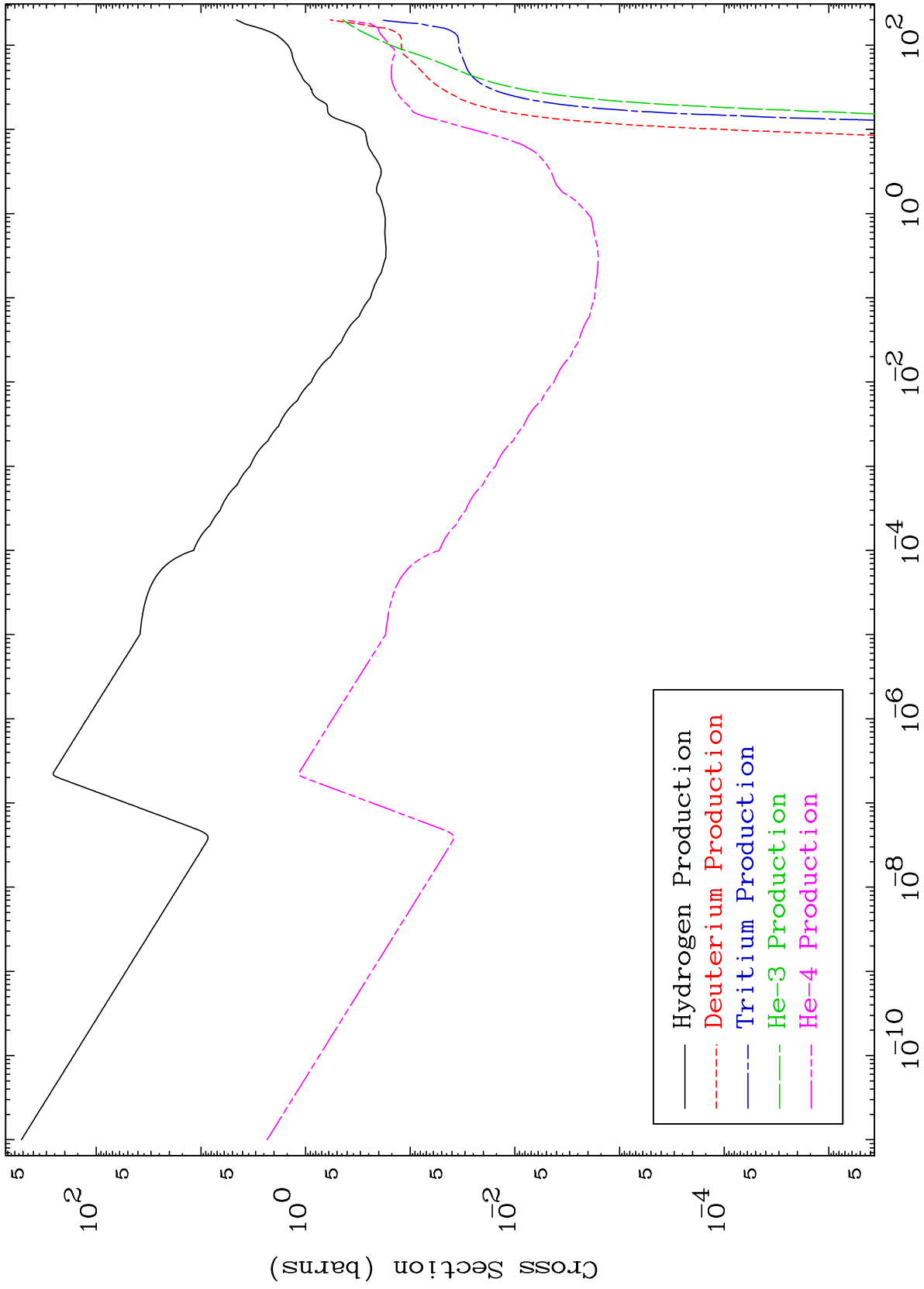
5

60-Nd-135

MAT 6004

Particle Production
293 Kelvin Cross Sections

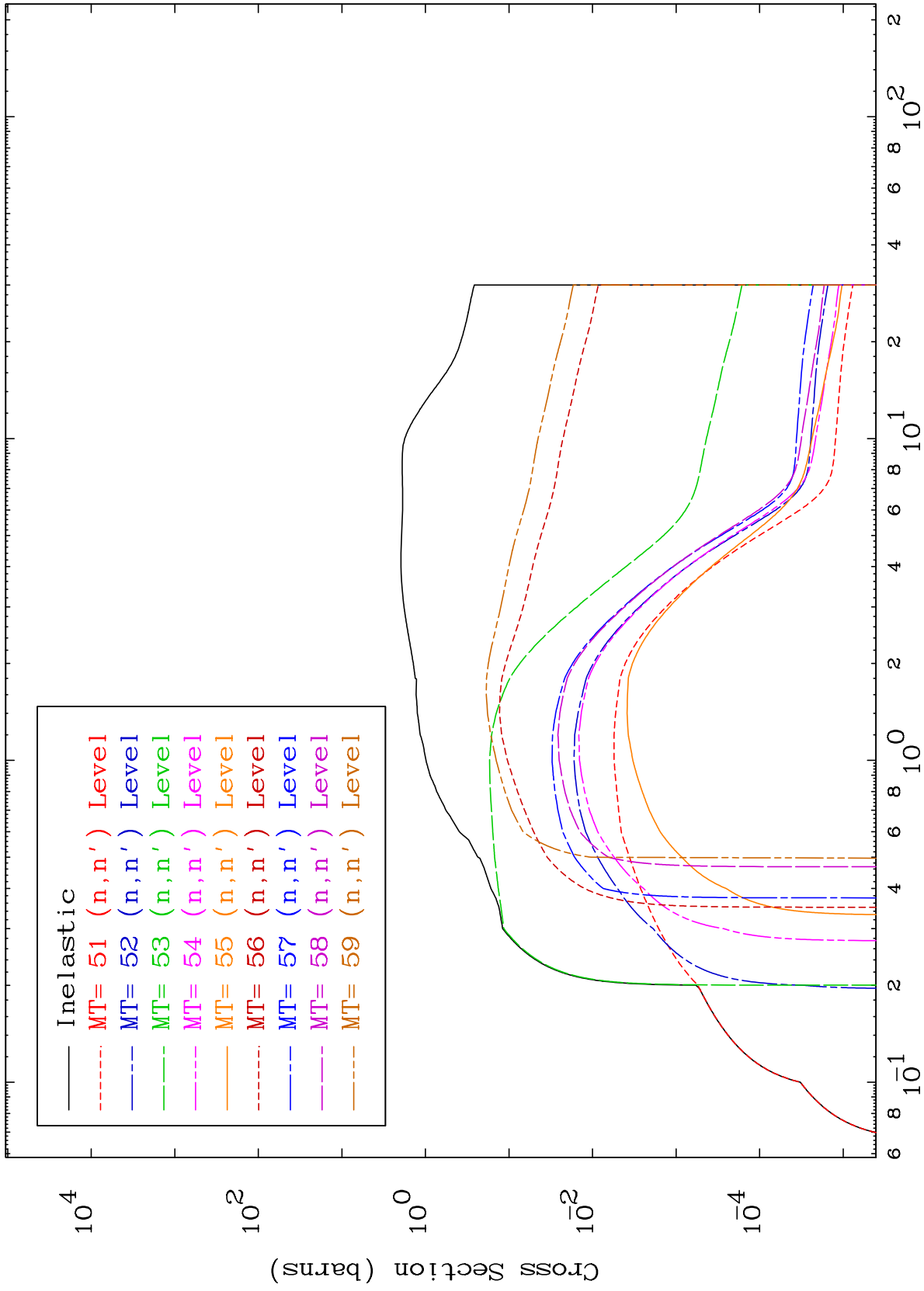
60-Nd-135



MAT 6004

(n,n') Level
293 Kelvin Cross Sections

60-Nd-135



7

Incident Energy (MeV)

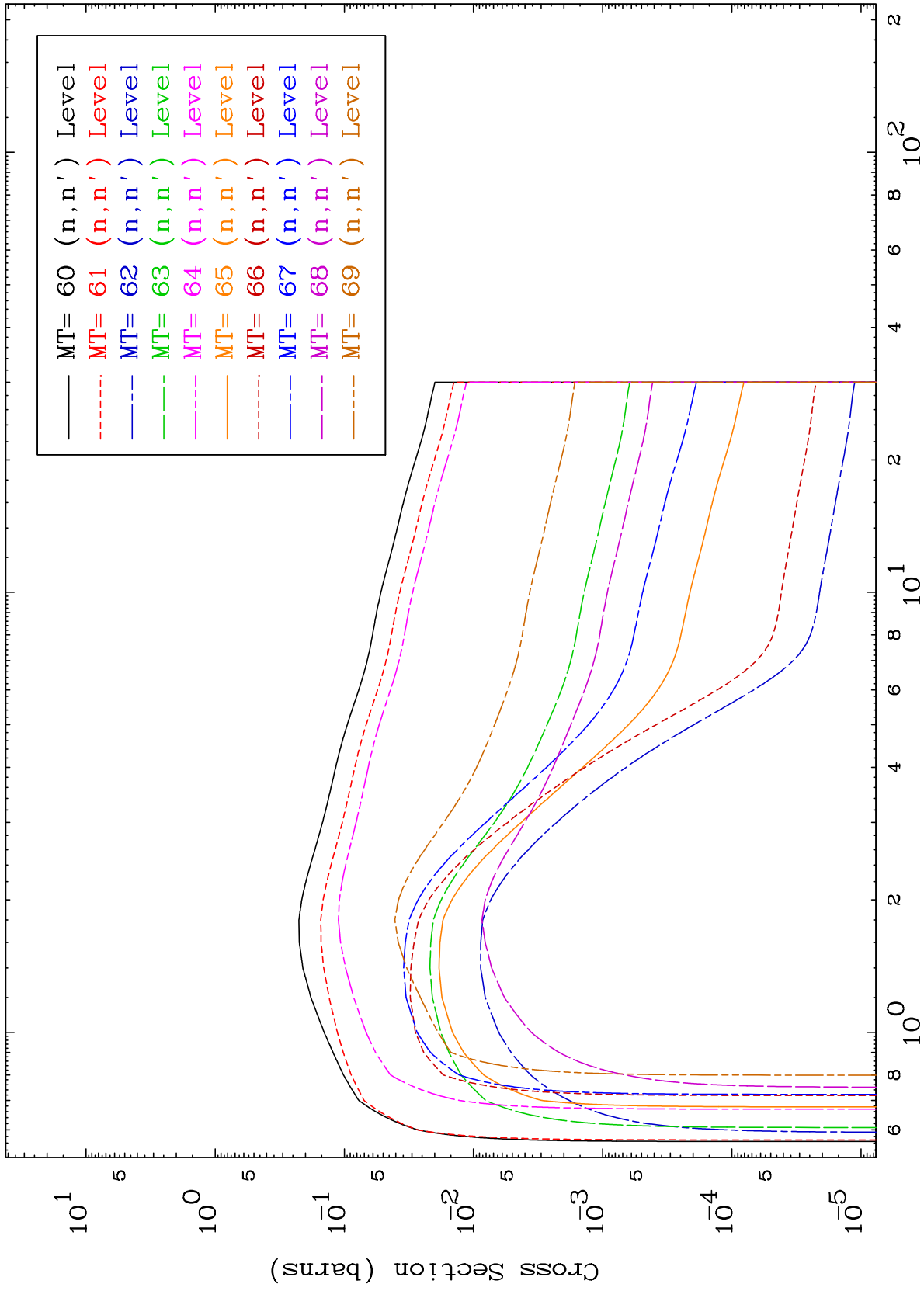
60-Nd-135

MAT 6004

(n,n') Level

60-Nd-135

293 Kelvin Cross Sections



8

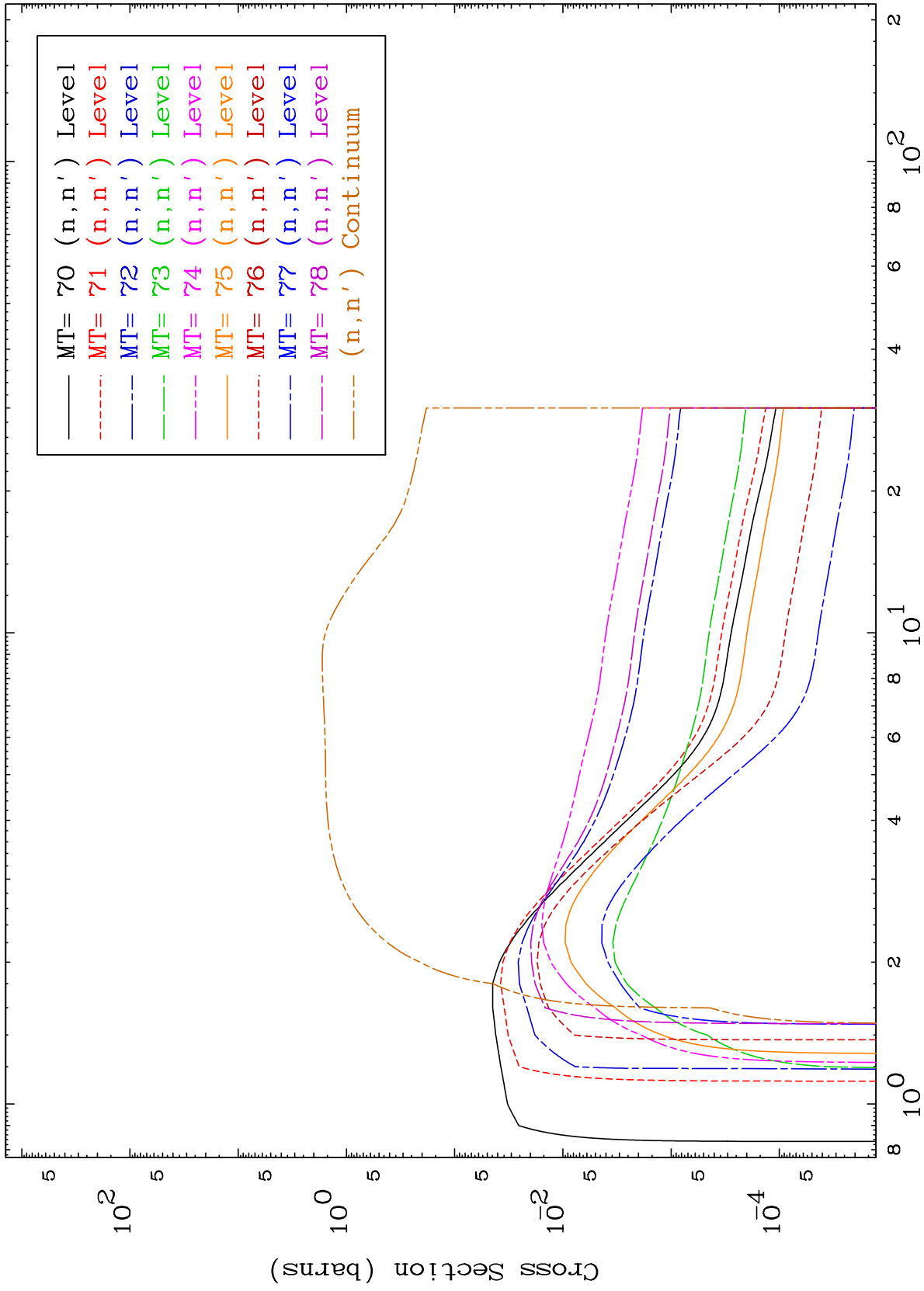
Incident Energy (MeV)

60-Nd-135

MAT 6004

(n,n') Level
293 Kelvin Cross Sections

60-Nd-135



9

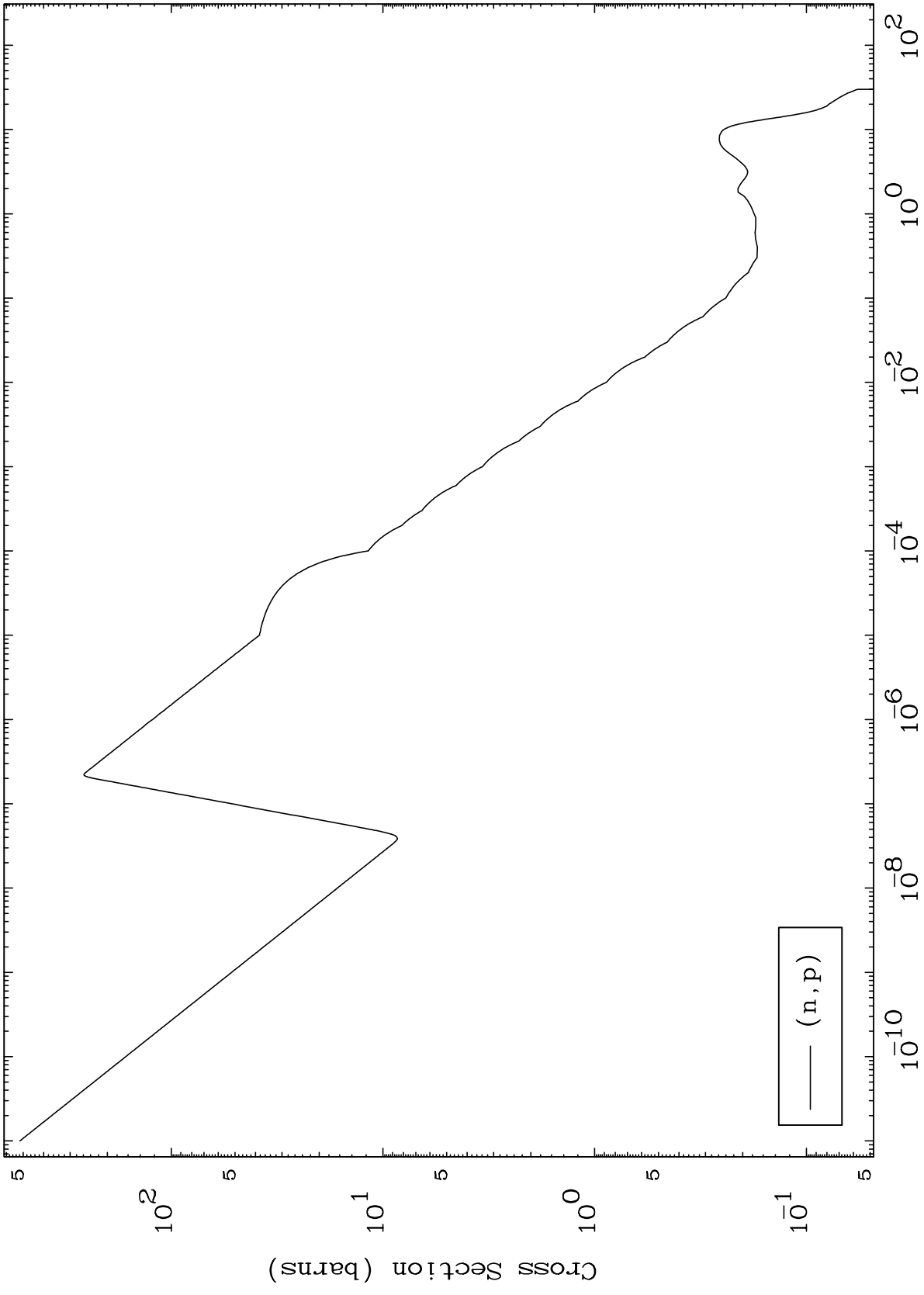
Incident Energy (MeV)

60-Nd-135

MAT 6004

(n,p) Levels
293 Kelvin Cross Sections

60-Nd-135



10

Incident Energy (MeV)

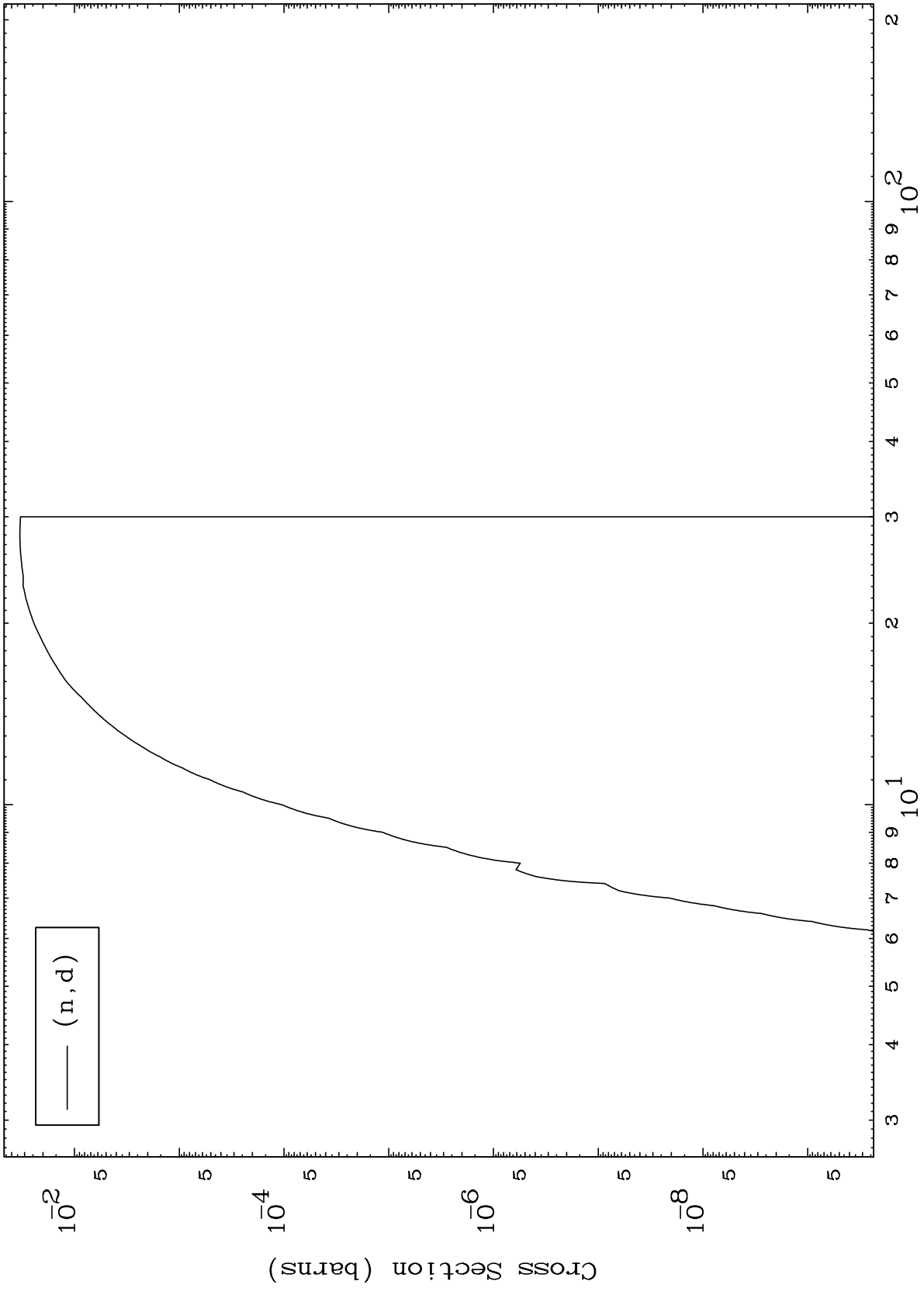
60-Nd-135

— (n, p)

MAT 6004

(n,d) Levels
293 Kelvin Cross Sections

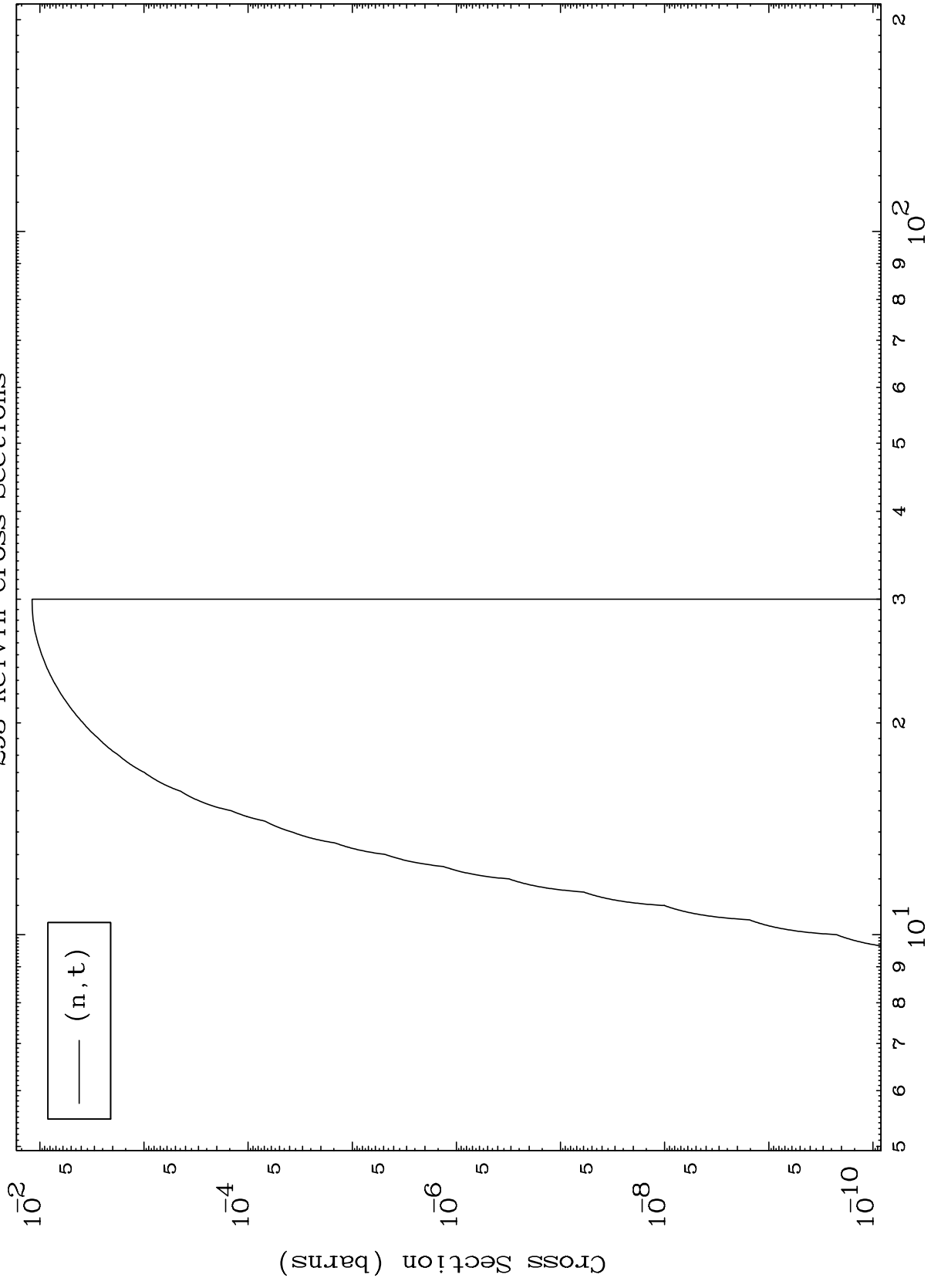
60-Nd-135



MAT 6004

(n,t) Levels
293 Kelvin Cross Sections

60-Nd-135



12

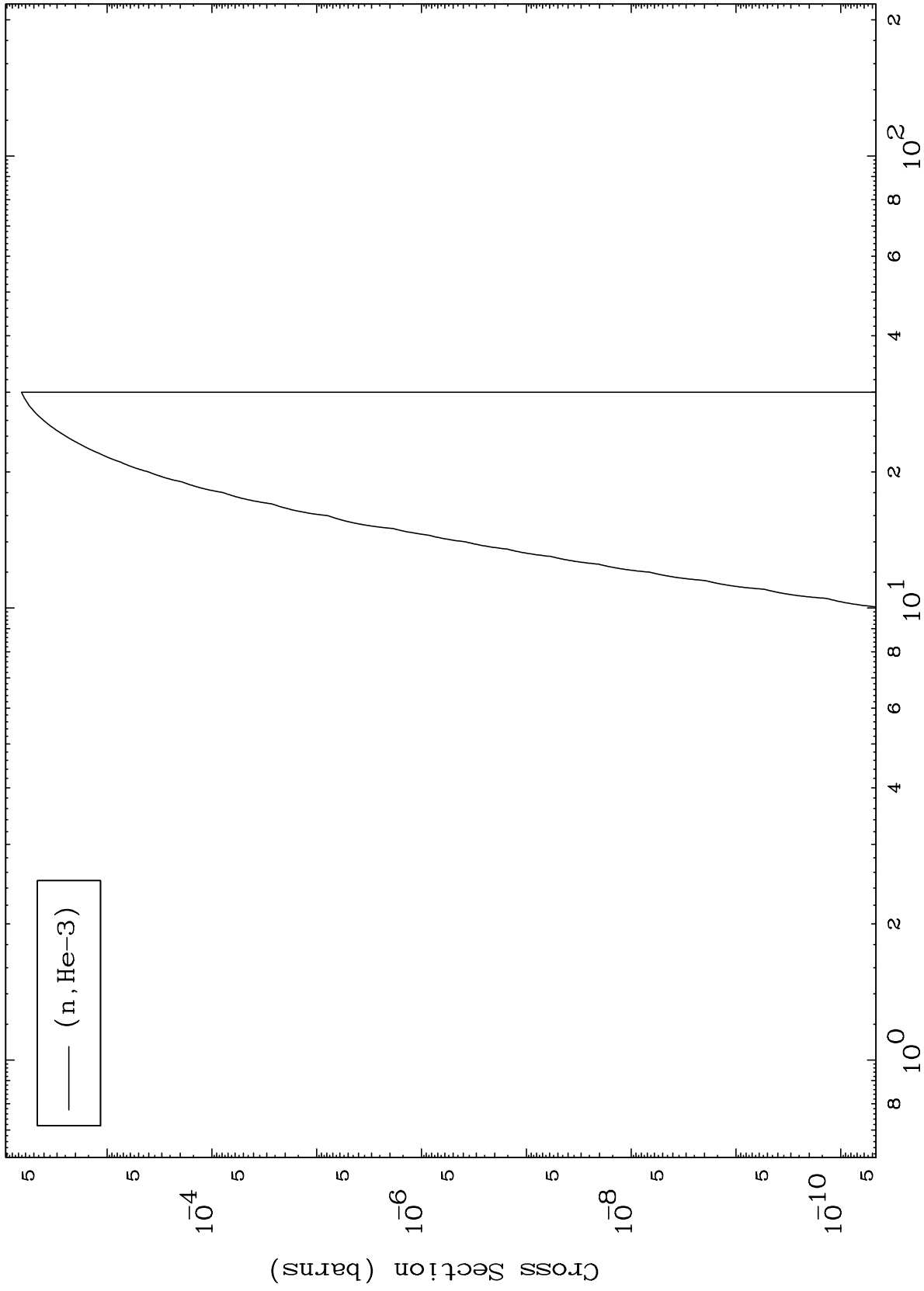
Incident Energy (MeV)

60-Nd-135

MAT 6004

(n,He3) Levels
293 Kelvin Cross Sections

60-Nd-135



13

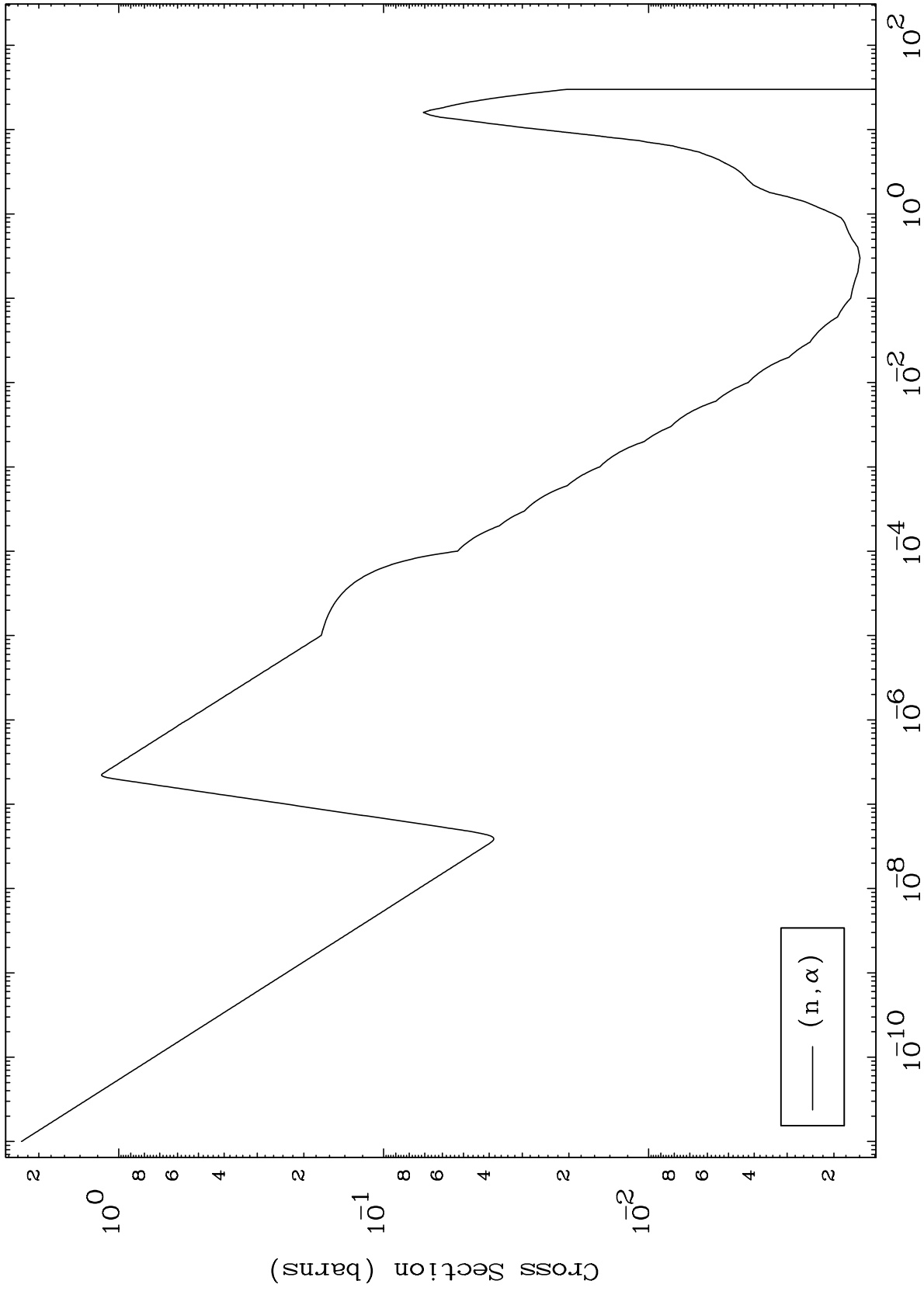
Incident Energy (MeV)

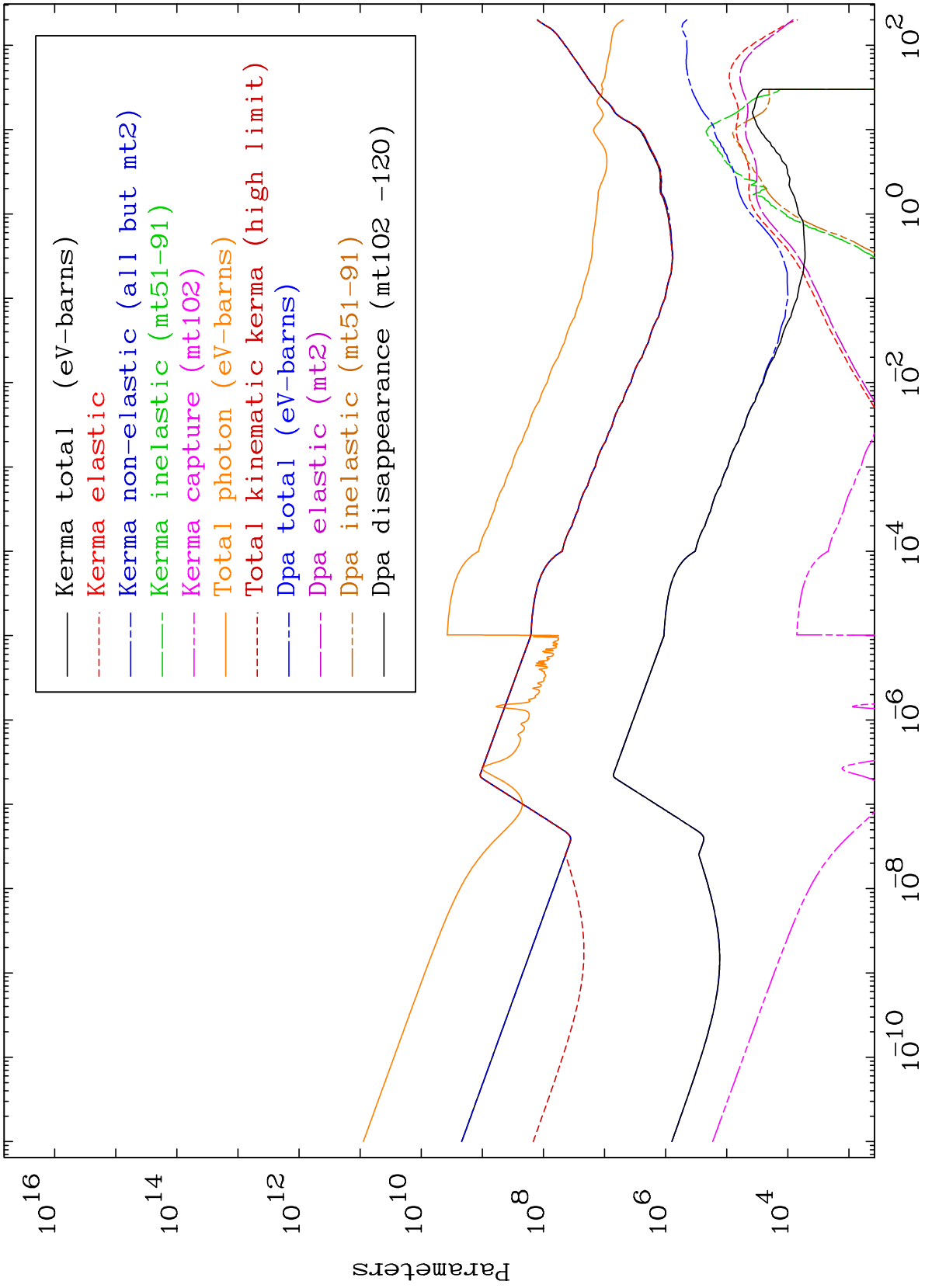
60-Nd-135

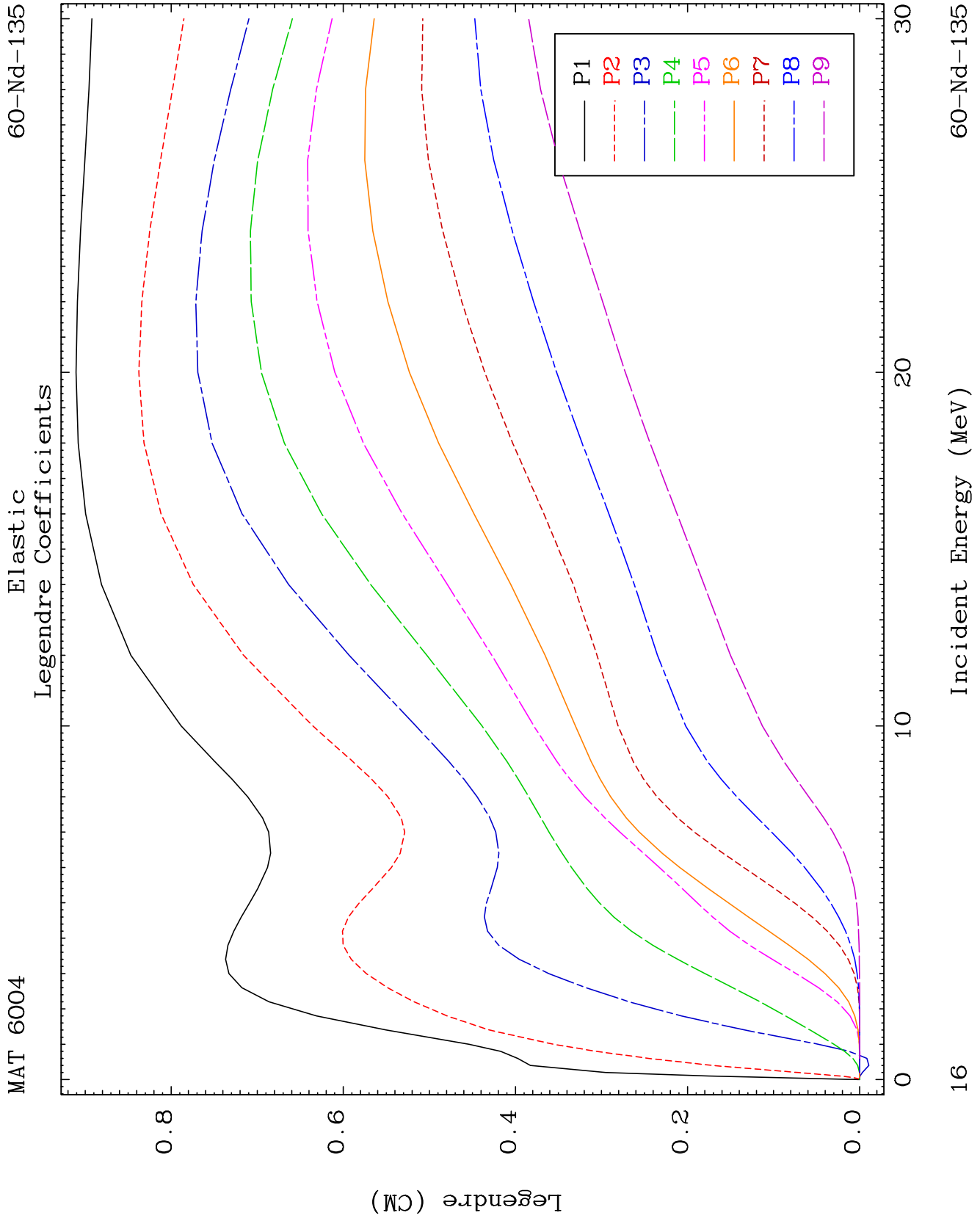
MAT 6004

(n, α) Levels
293 Kelvin Cross Sections

60-Nd-135



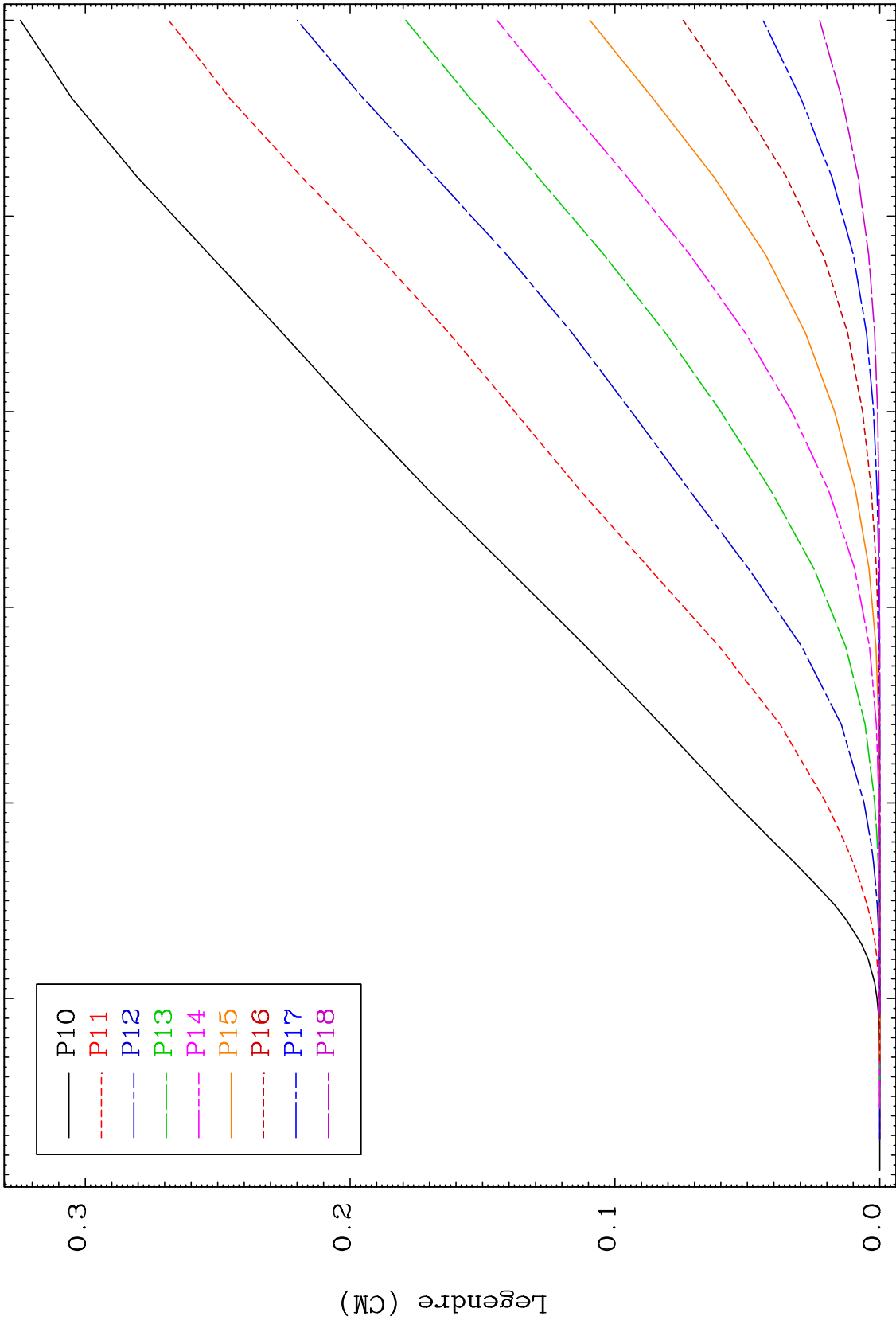




MAT 6004

Elastic Legendre Coefficients

60-Nd-135



17

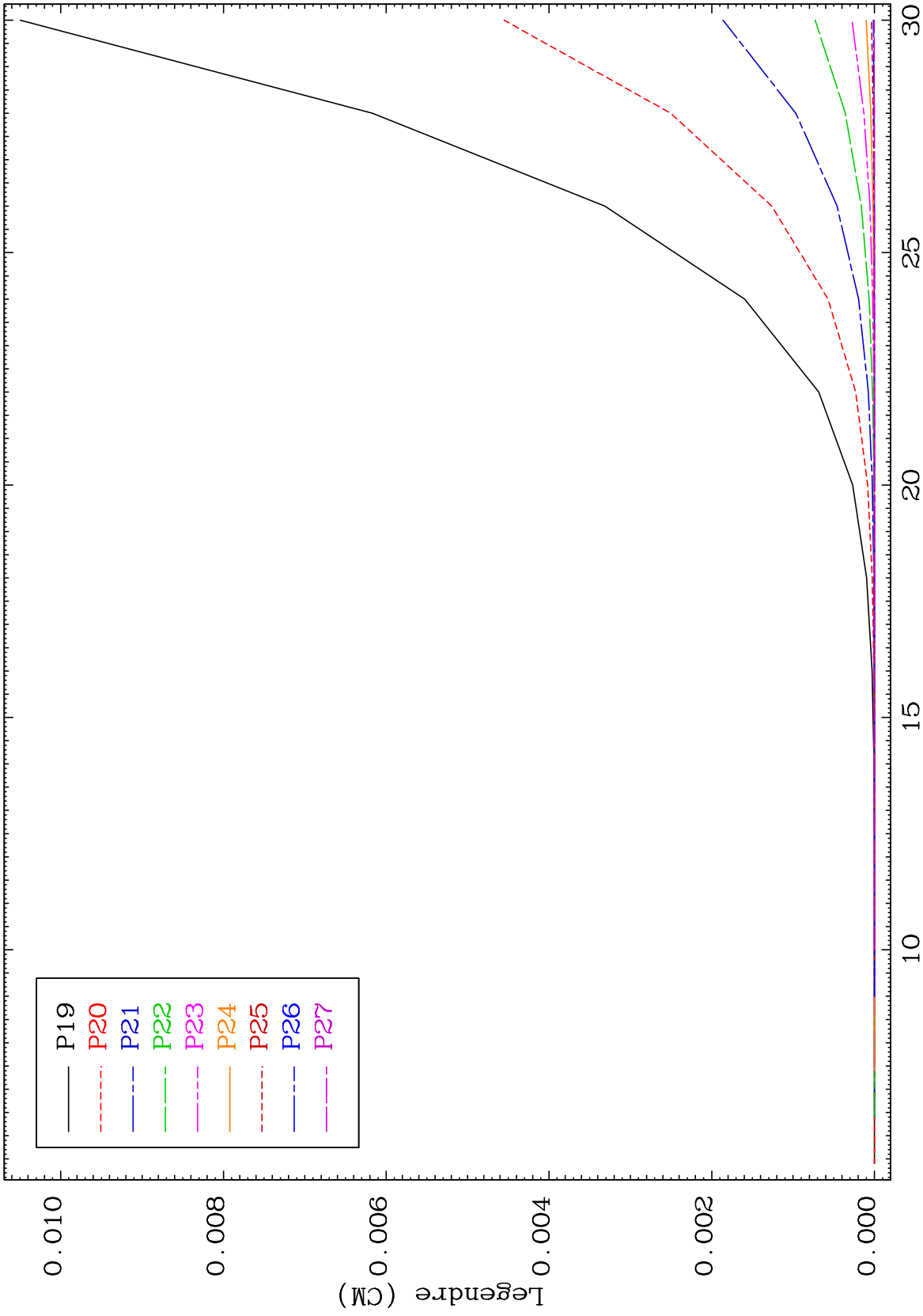
Incident Energy (MeV)

60-Nd-135

MAT 6004

Elastic Legendre Coefficients

60-Nd-135



18

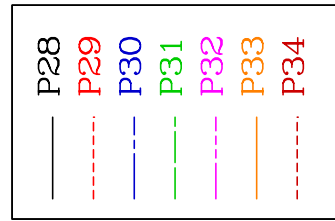
Incident Energy (MeV)

60-Nd-135

MAT 6004

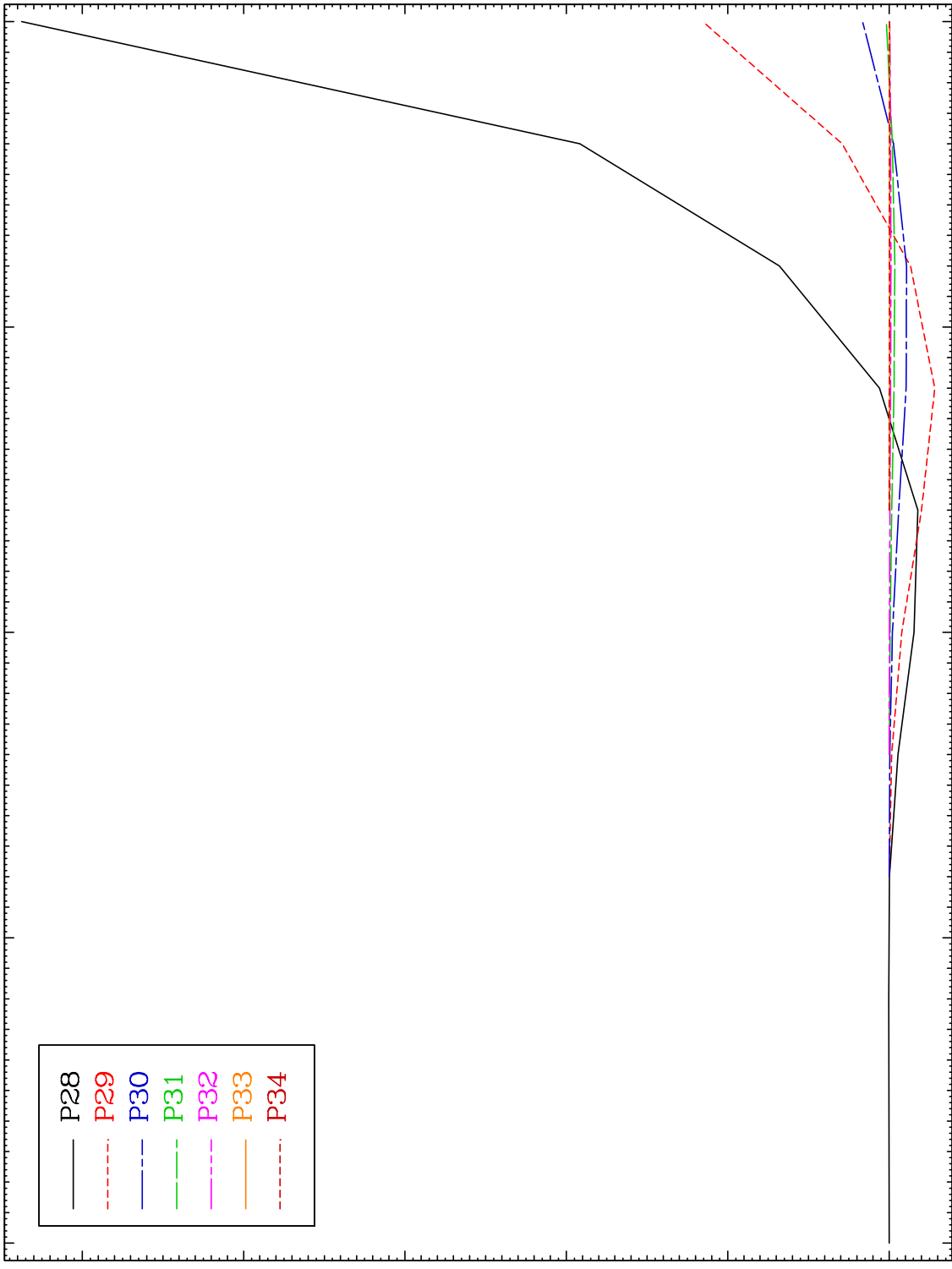
Elastic Legendre Coefficients

60-Nd-135



$\times 10^{-6}$

Legendre (CM)



10

15

20

25

30

Incident Energy (MeV)

60-Nd-135

MAT 6004 MT= 51 (n,n') Level Legendre Coefficients 60-Nd-135

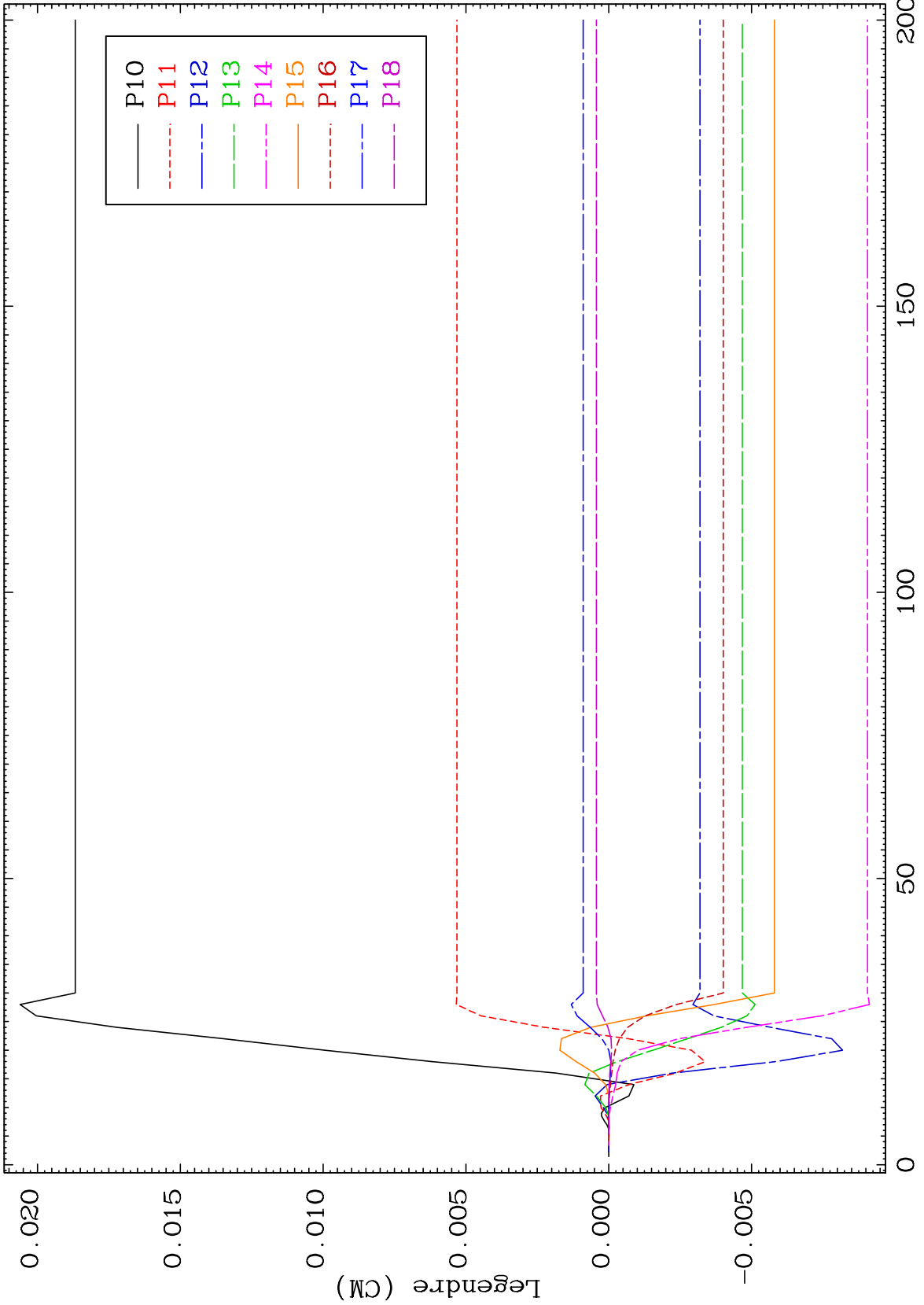


Legendre (CM) Incident Energy (MeV) 60-Nd-135

MAT 6004

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

60-Nd-135



21

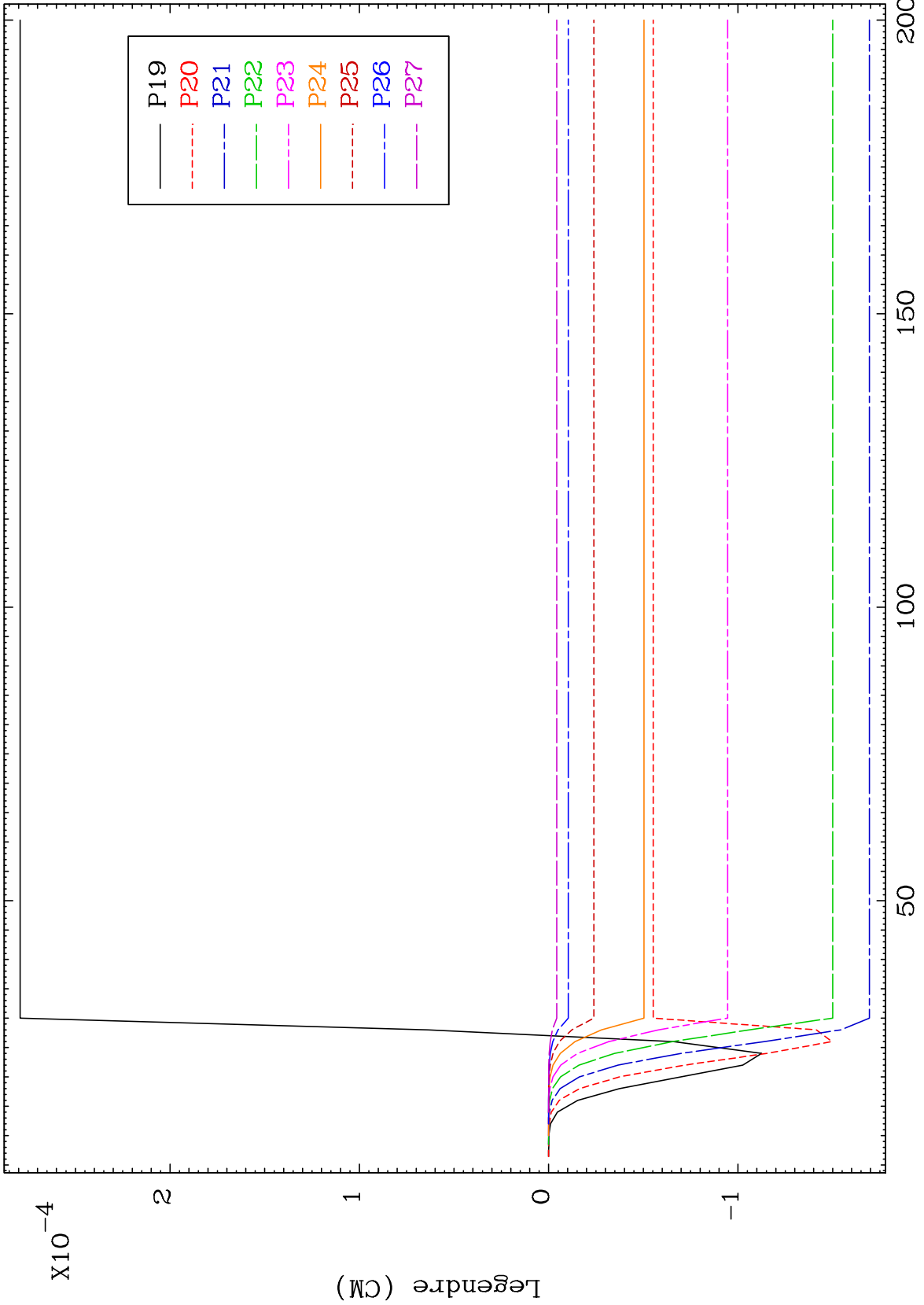
Incident Energy (MeV)

60-Nd-135

MAT 6004

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

60-Nd-135



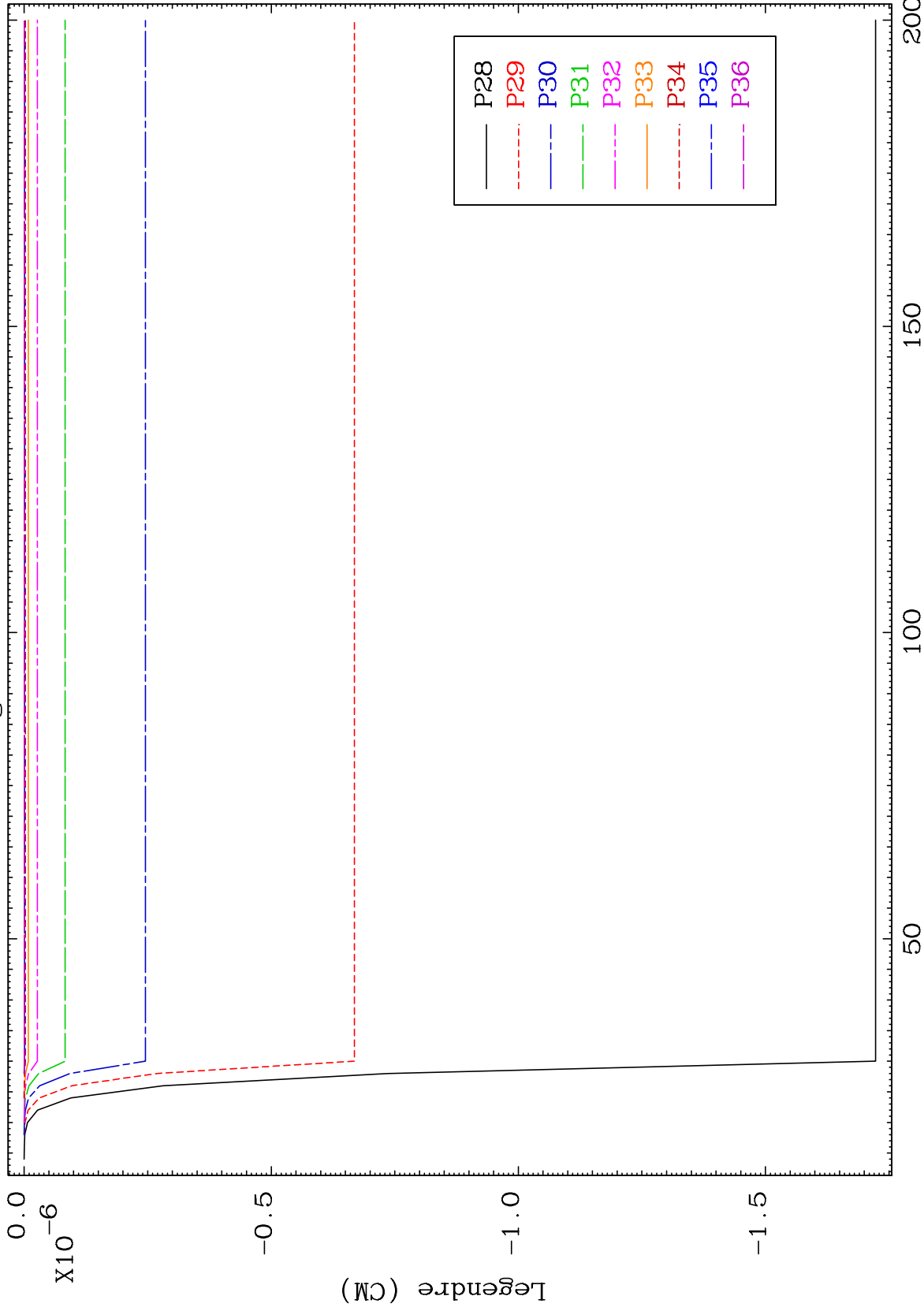
22

60-Nd-135

MAT 6004

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

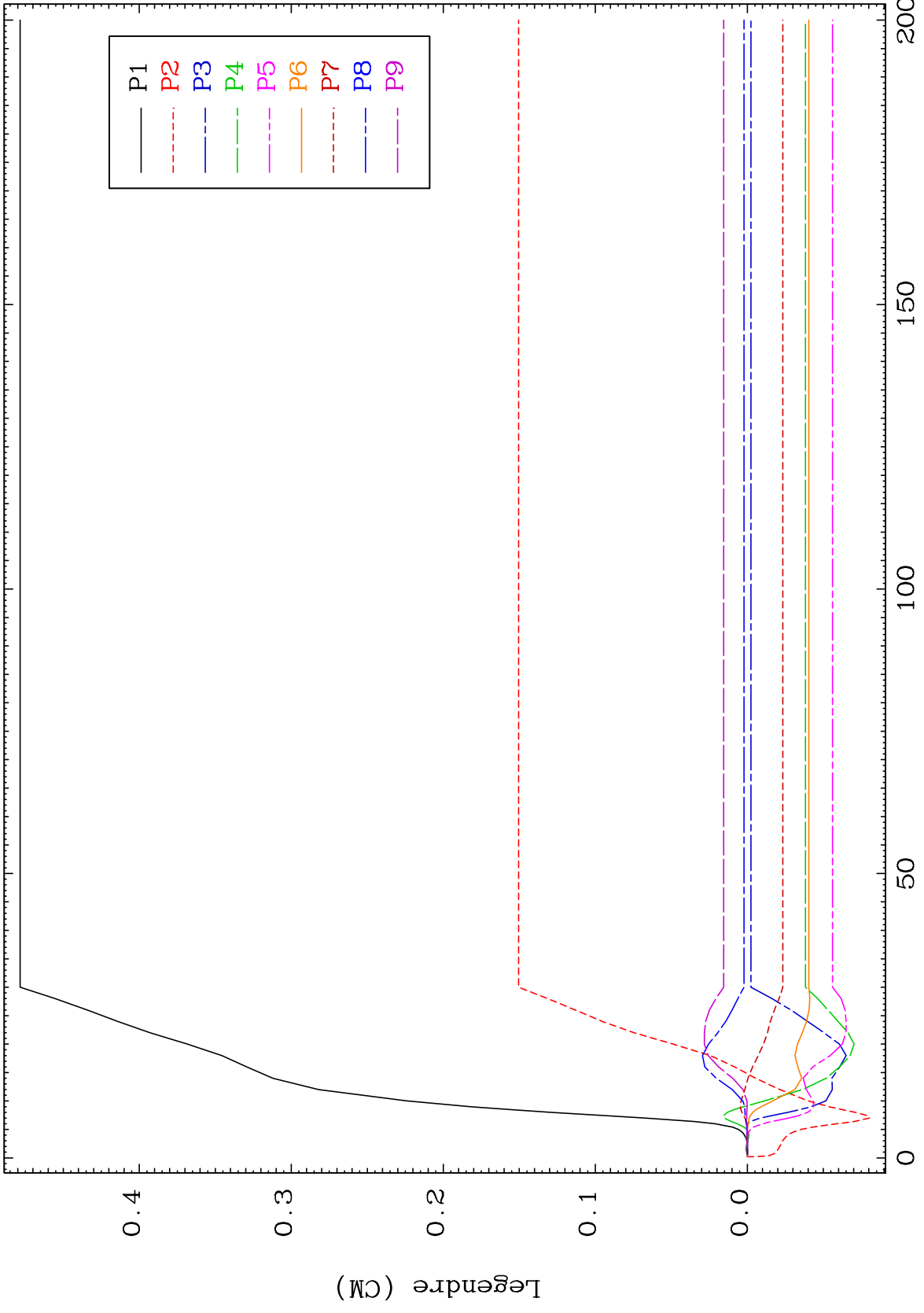
60-Nd-135



23

60-Nd-135

MAT 6004 MT= 52 (n,n') Level Legendre Coefficients 60-Nd-135

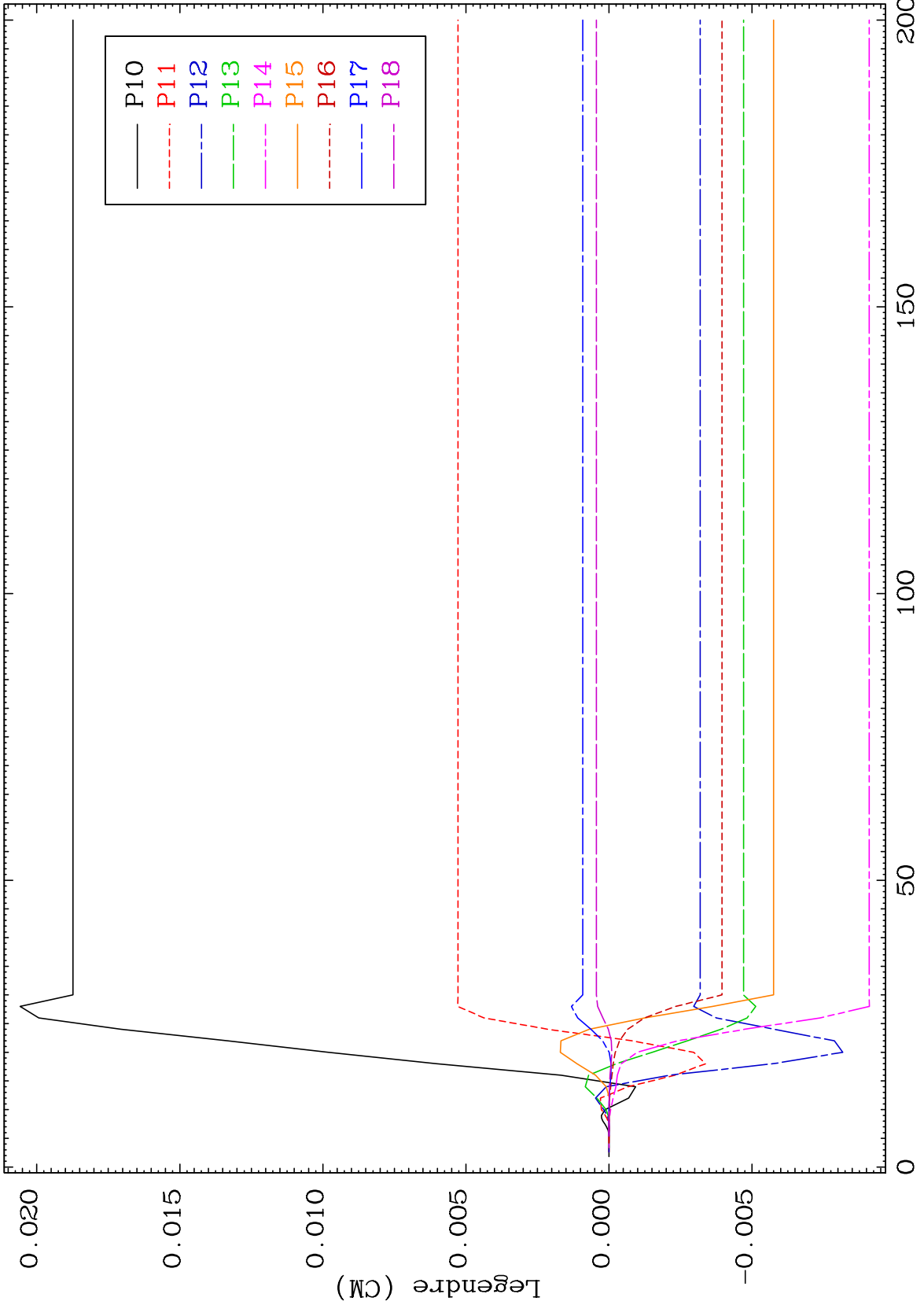


24 60-Nd-135

MAT 6004

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

60-Nd-135



25

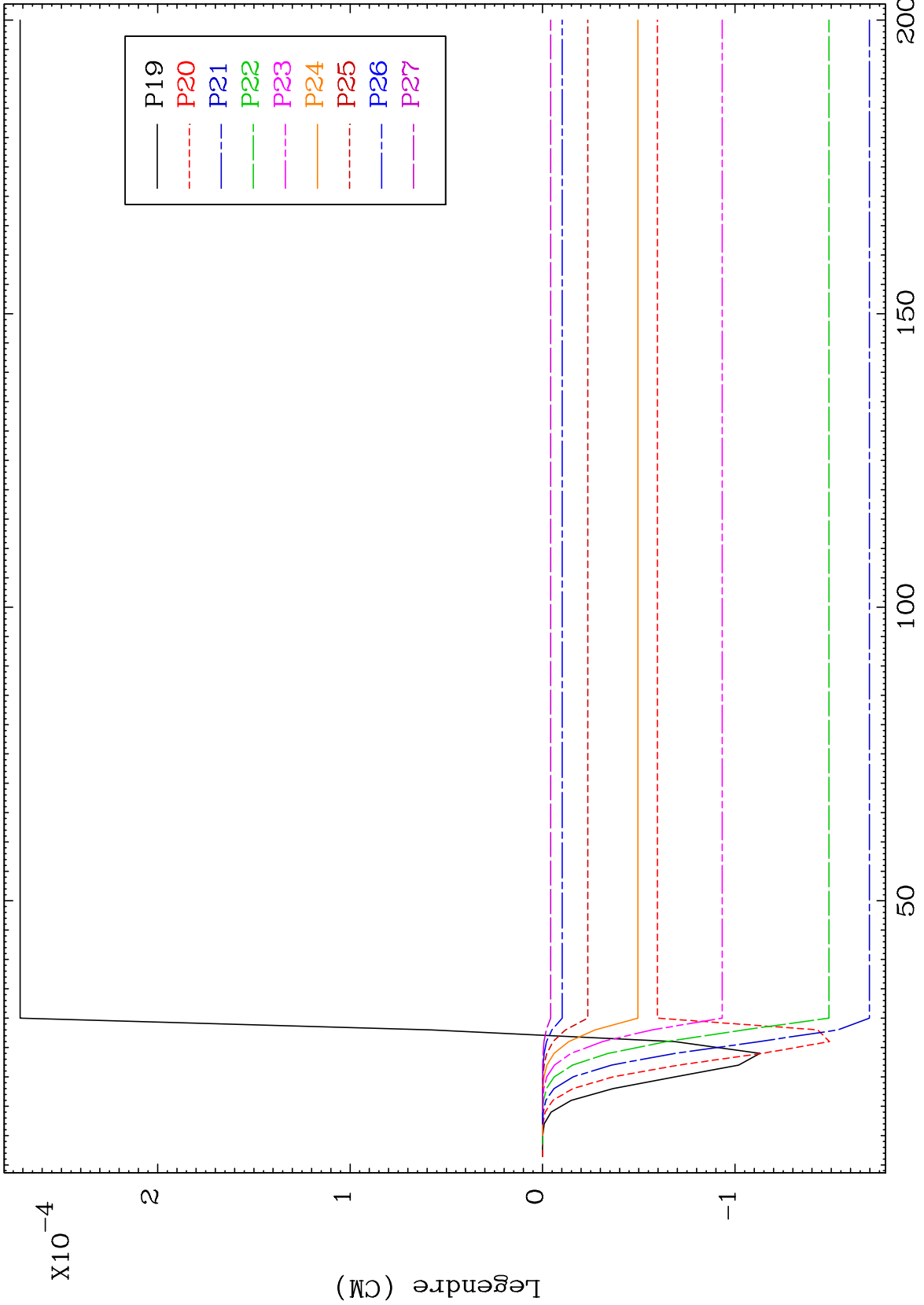
Incident Energy (MeV)

60-Nd-135

MAT 6004

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

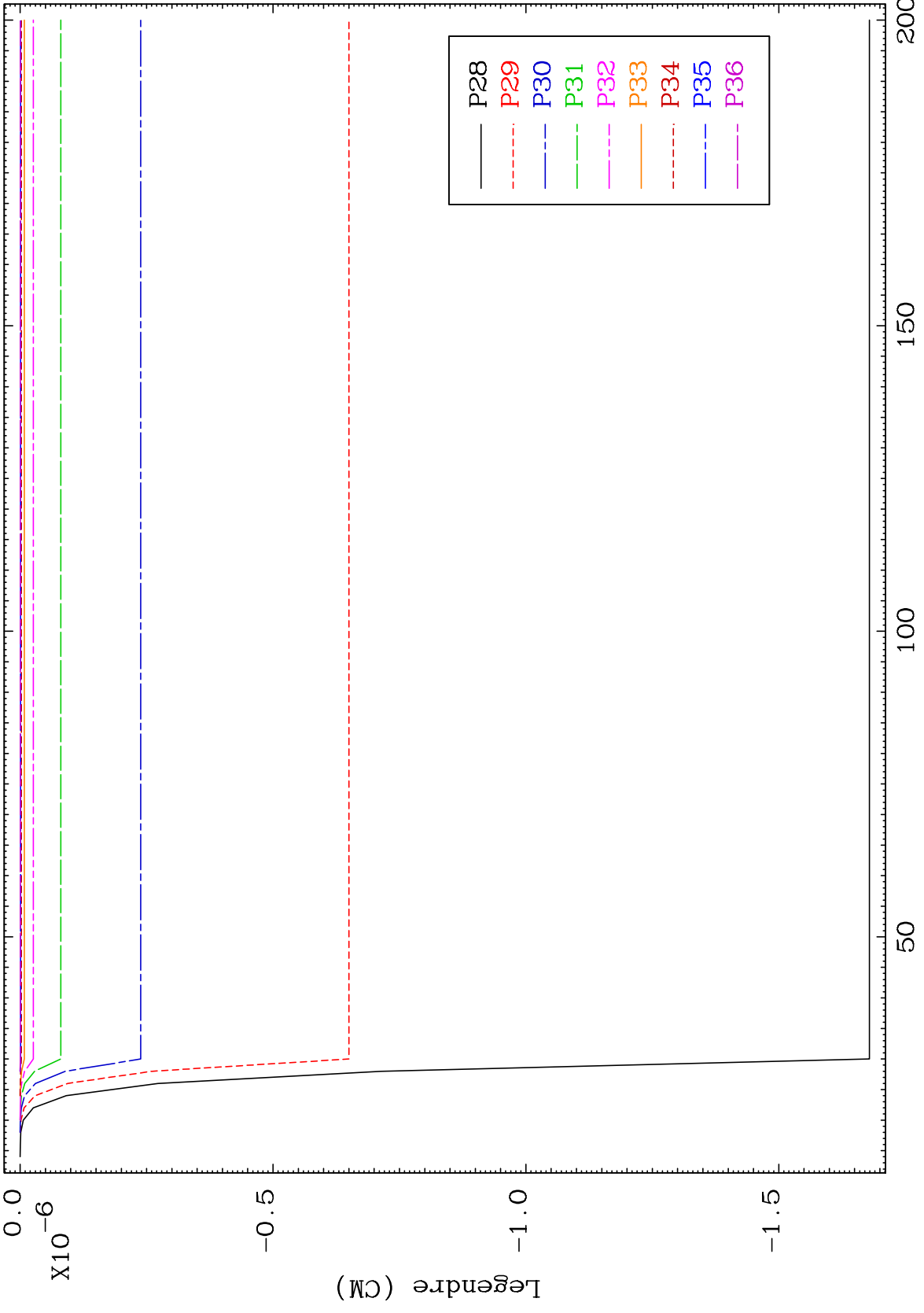
60-Nd-135



26

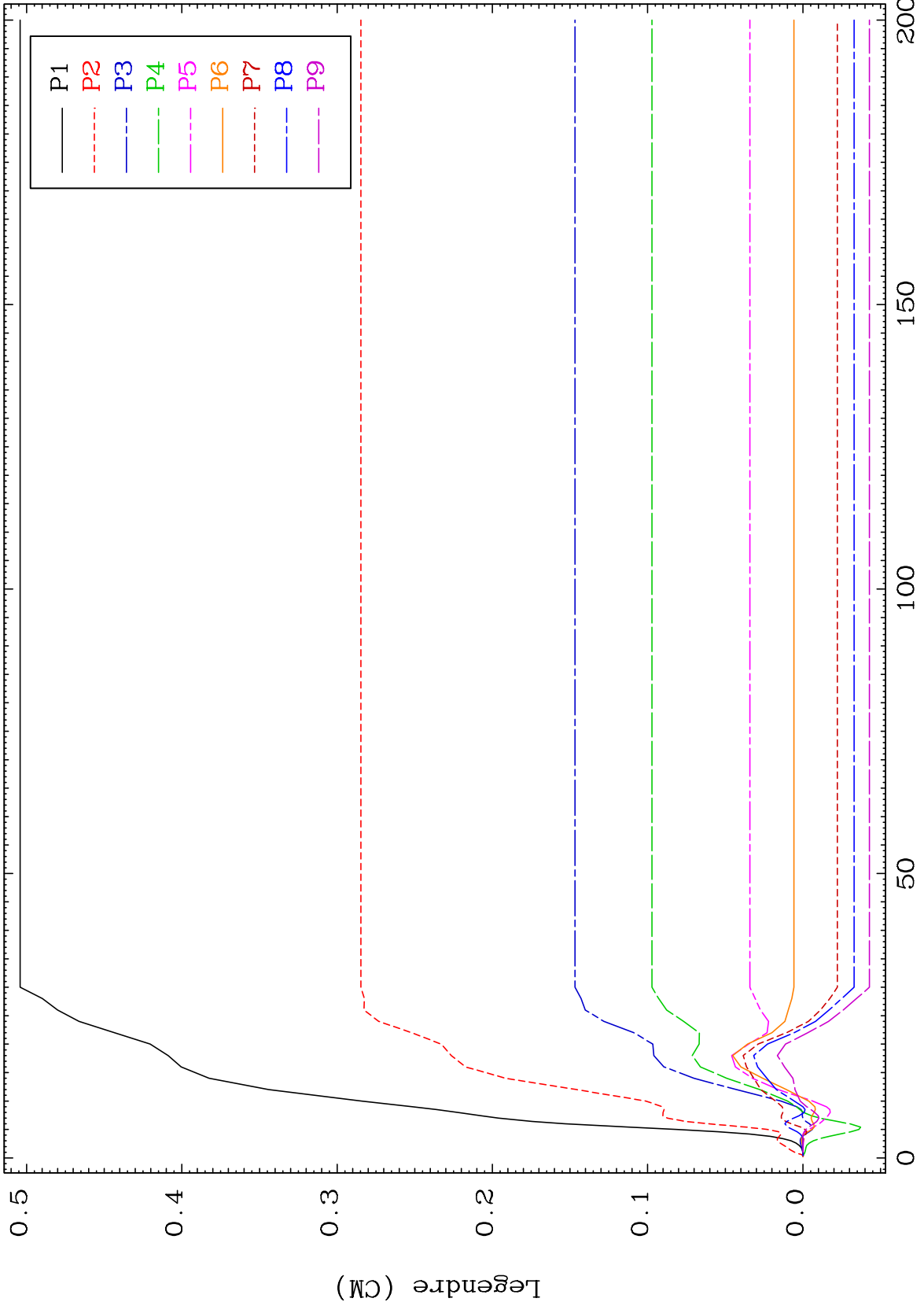
60-Nd-135

MAT 6004 MT= 52 (n,n') Level Legendre Coefficients 60-Nd-135

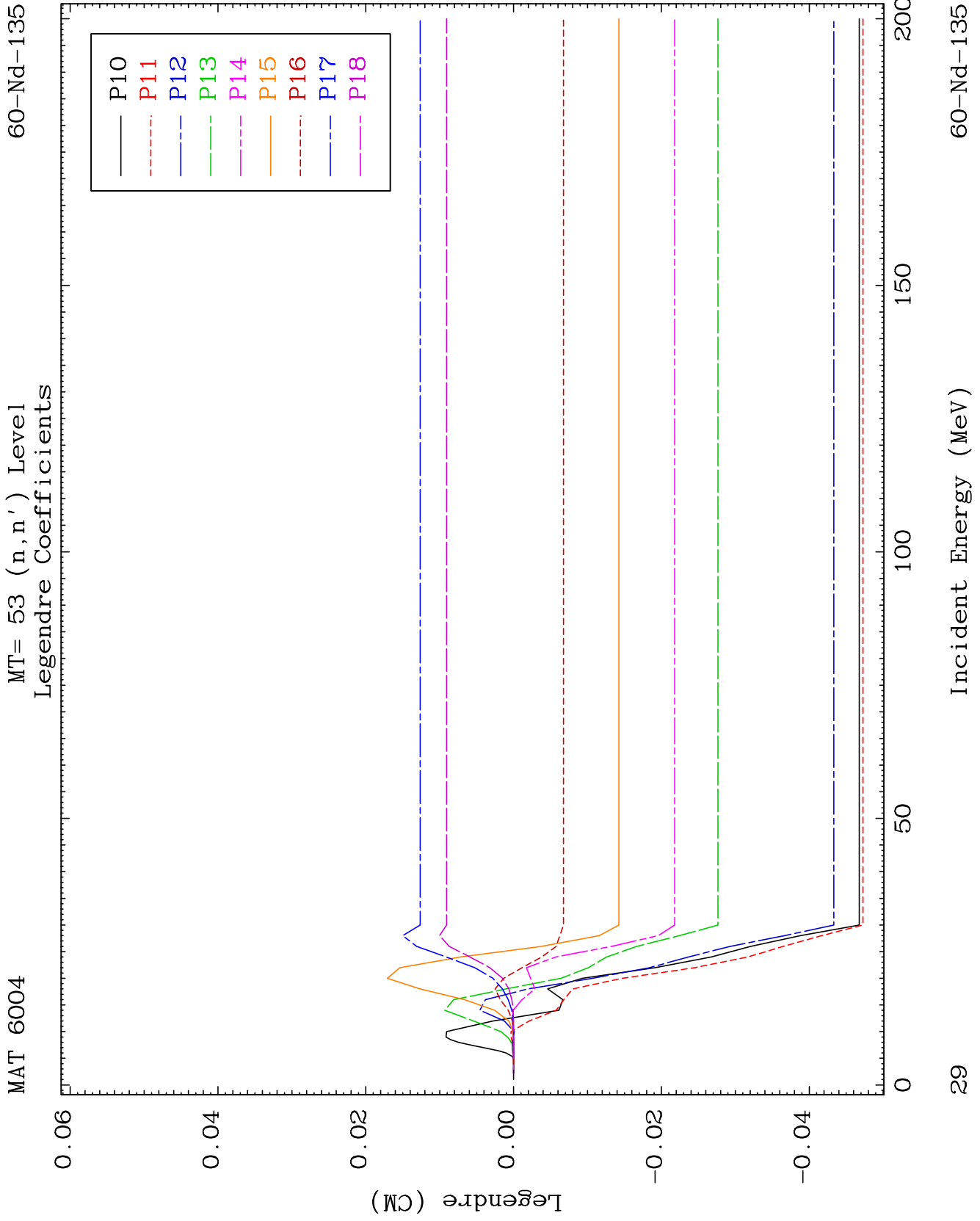


27 Incident Energy (MeV) 60-Nd-135

MAT 6004 MT= 53 (n,n') Level Legendre Coefficients 60-Nd-135



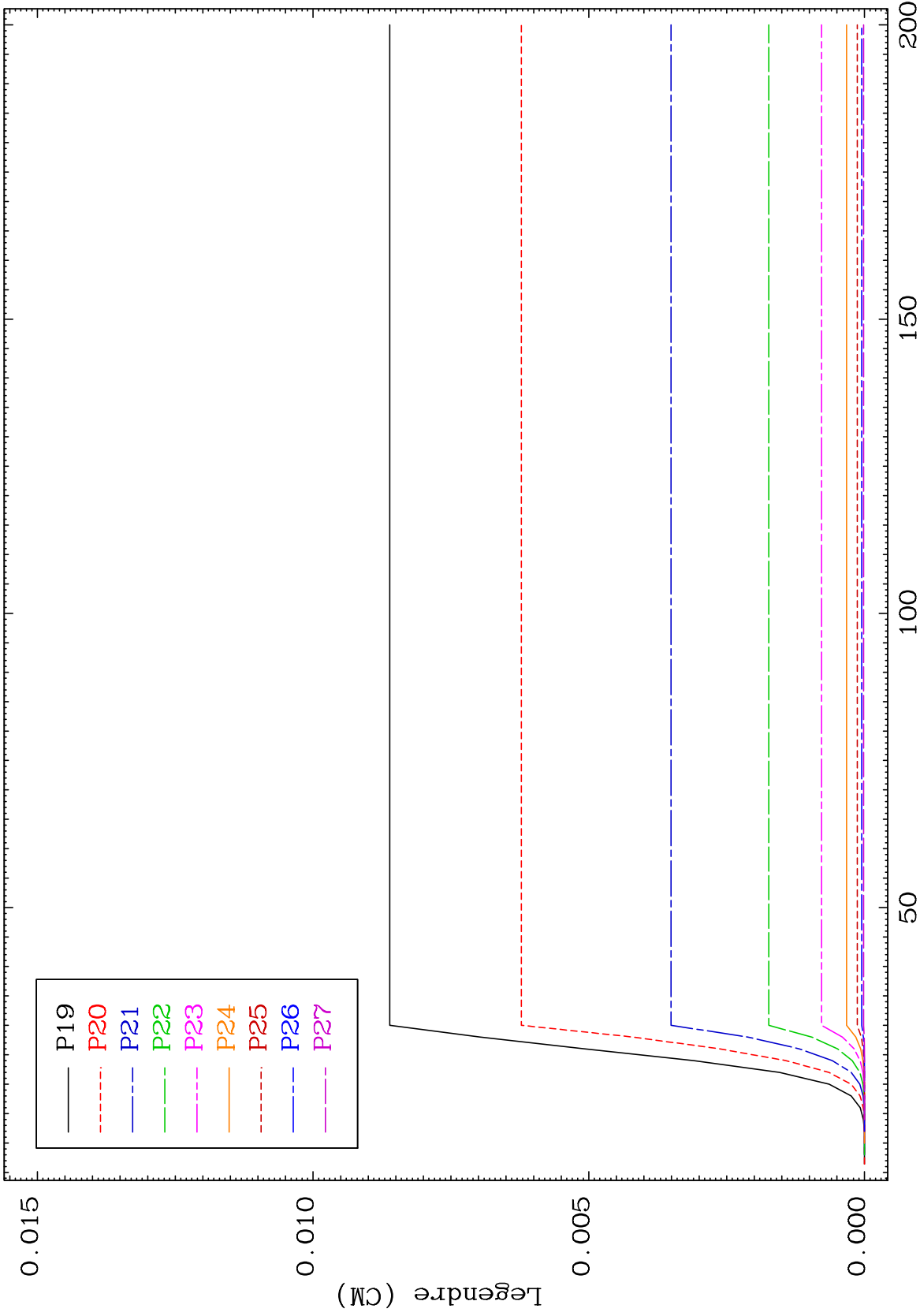
28 60-Nd-135



MAT 6004

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

60-Nd-135



30

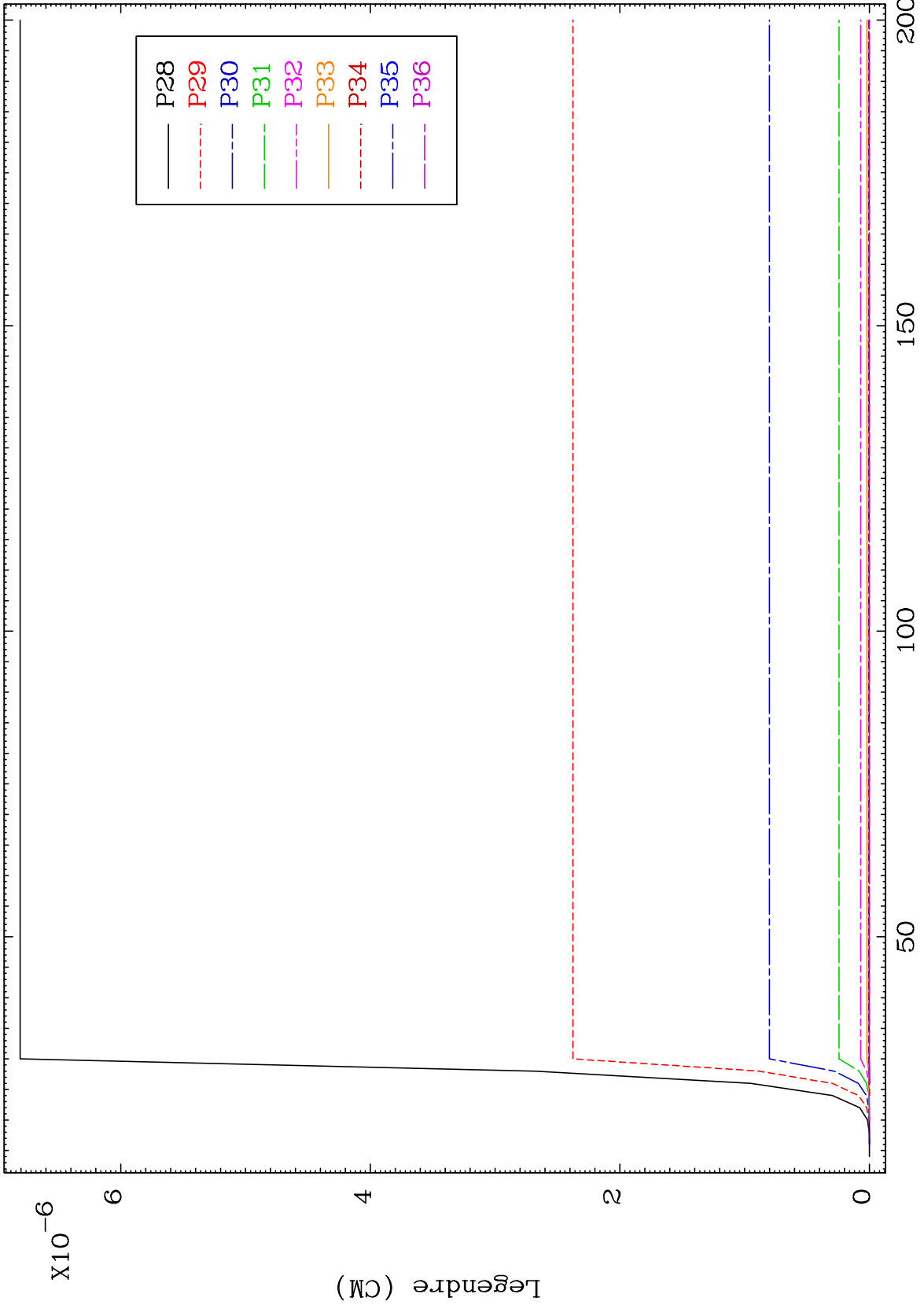
Incident Energy (MeV)

60-Nd-135

MAT 6004

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

60-Nd-135



31

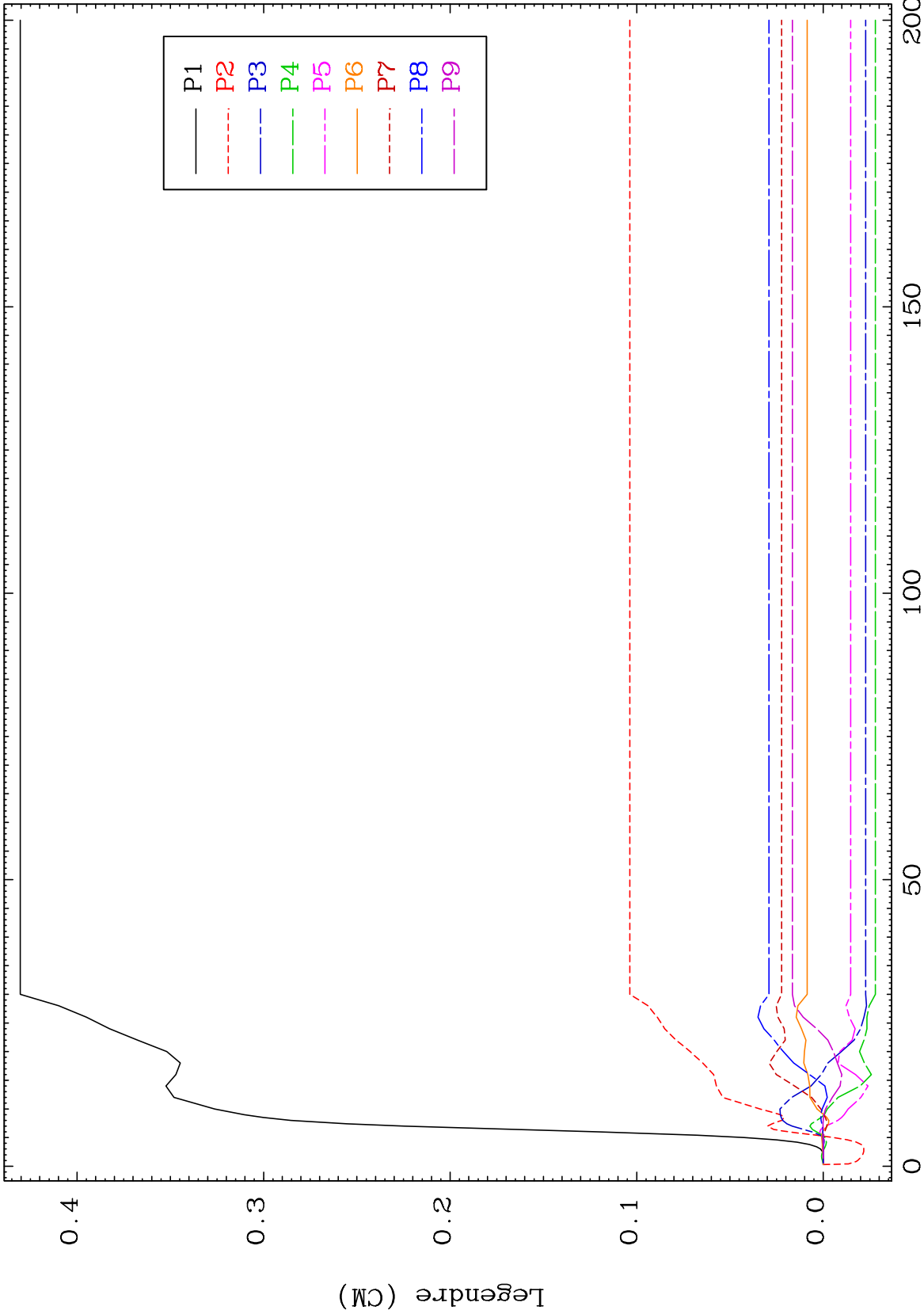
Incident Energy (MeV)

60-Nd-135

MAT 6004

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

60-Nd-135



32

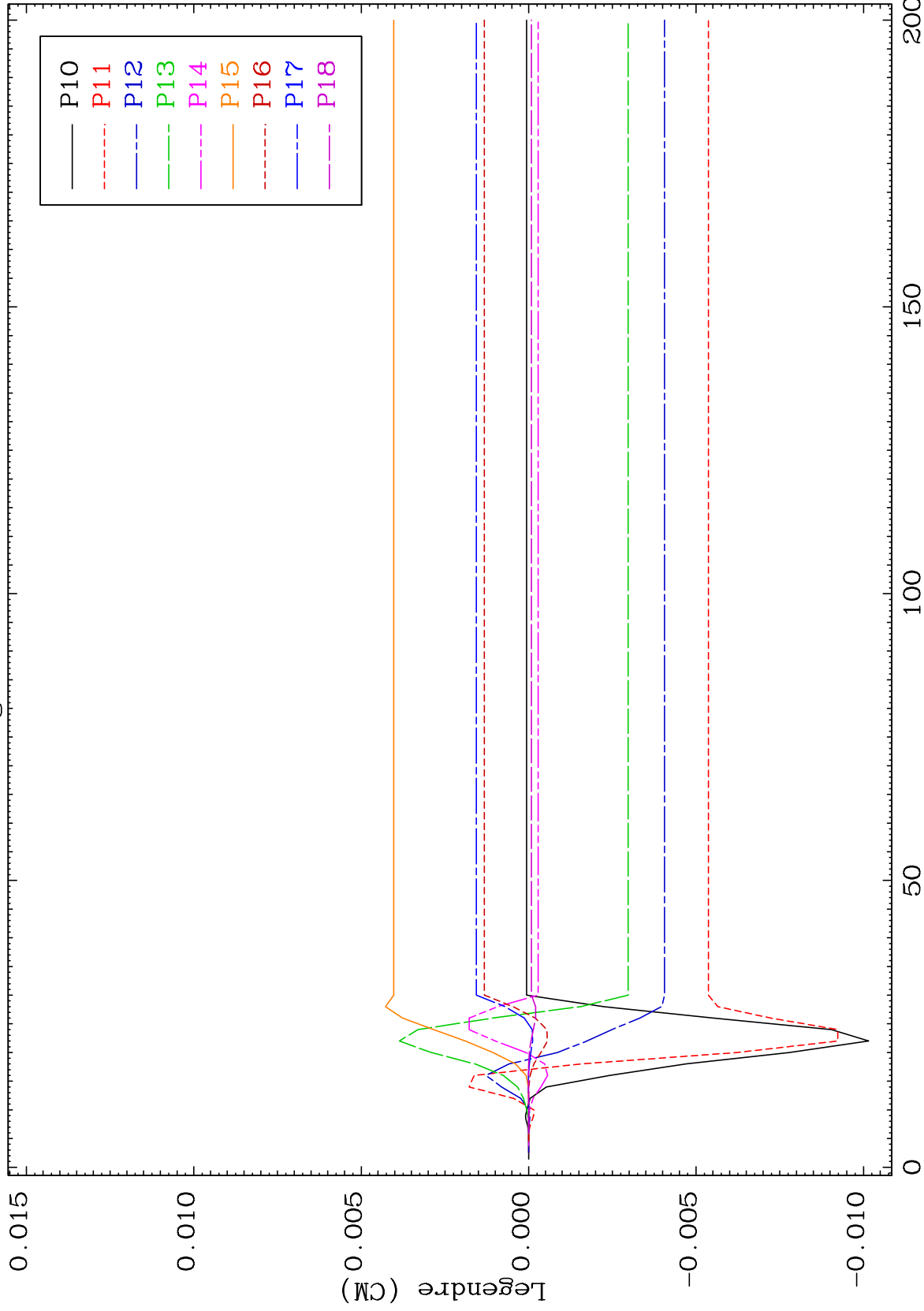
Incident Energy (MeV)

60-Nd-135

MAT 6004

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

60-Nd-135



33

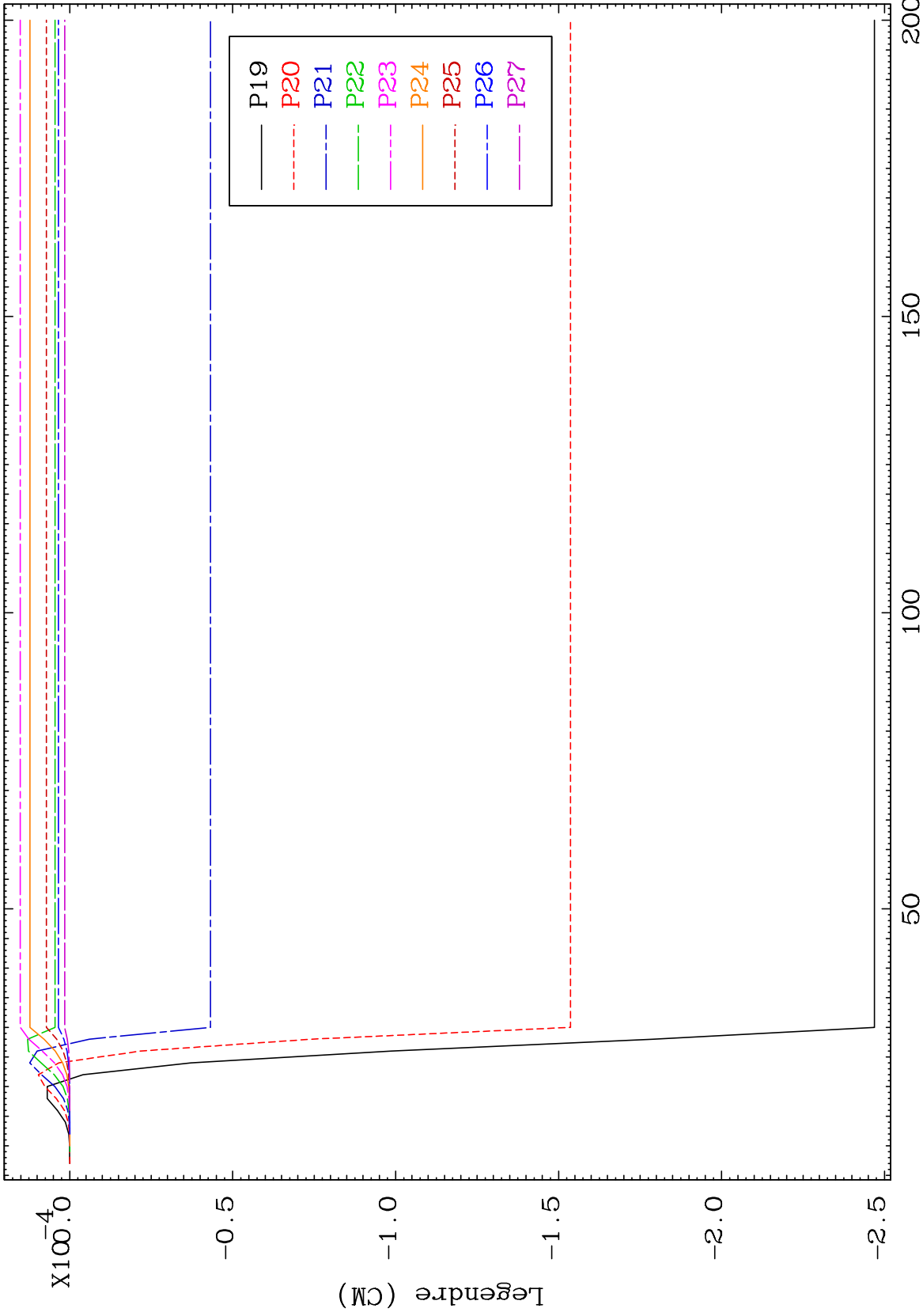
Incident Energy (MeV)

60-Nd-135

MAT 6004

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

60-Nd-135

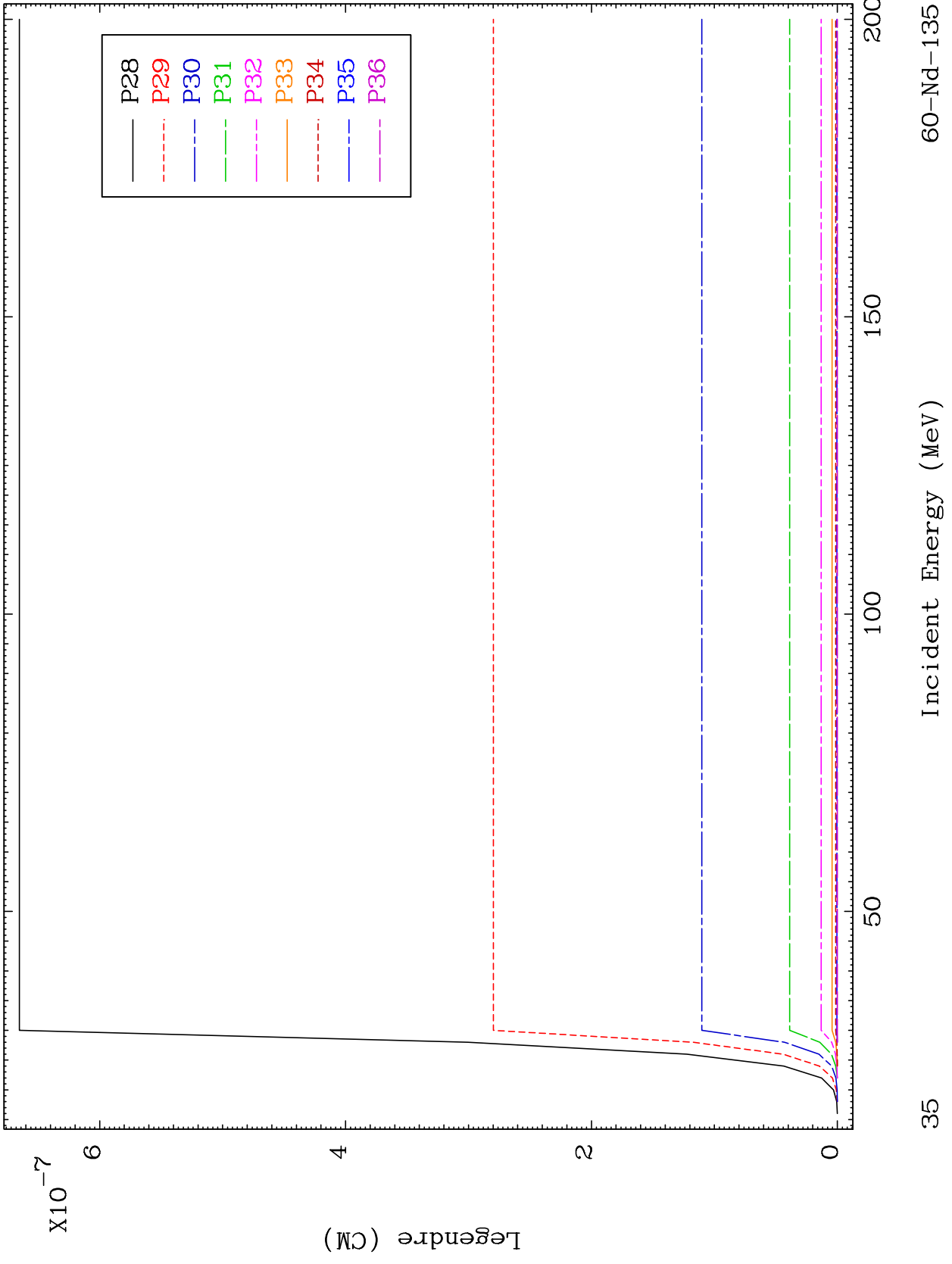


34

Incident Energy (MeV)

60-Nd-135

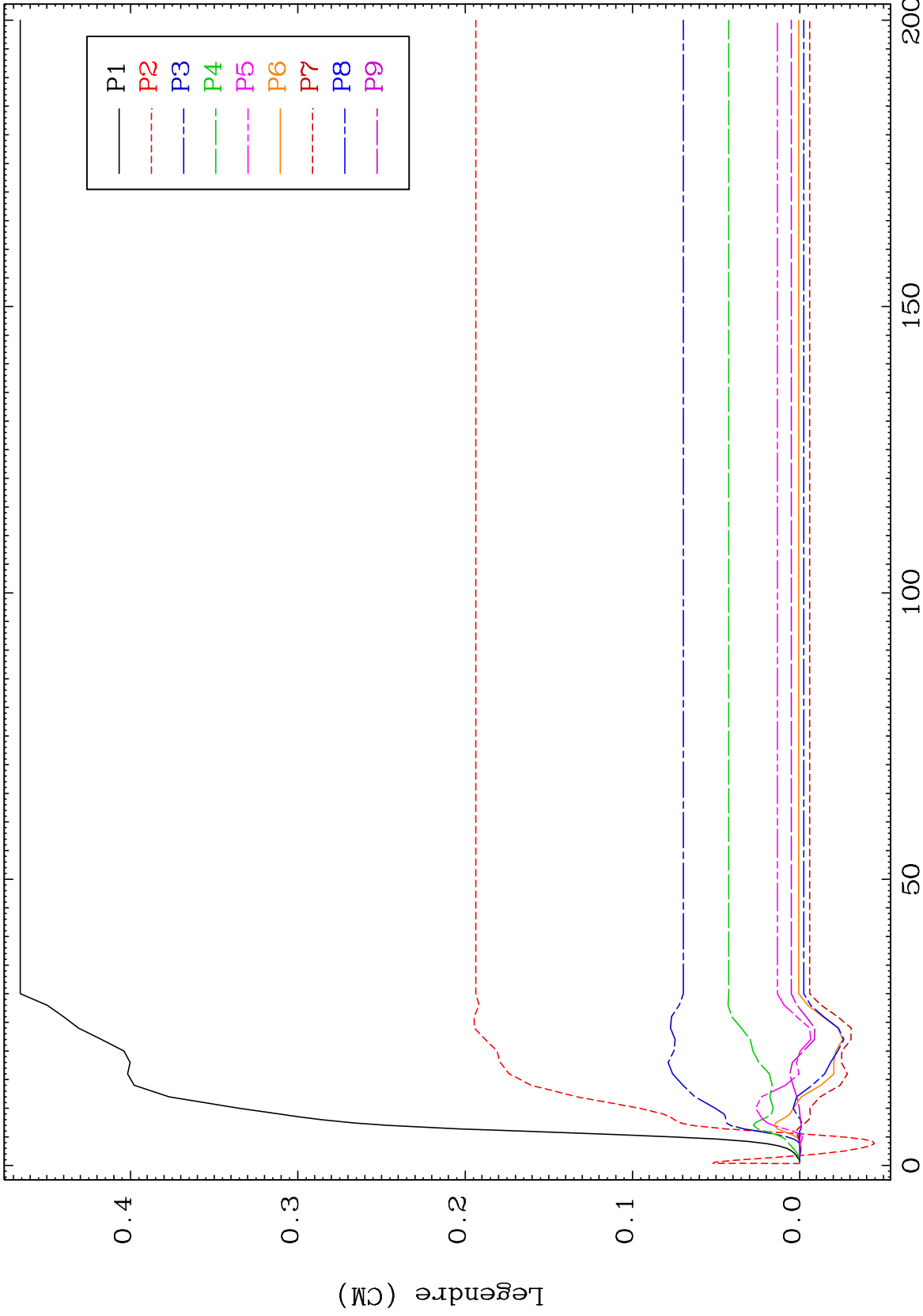
MAT 6004 MT= 54 (n,n') Level Legendre Coefficients 60-Nd-135



MAT 6004

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

60-Nd-135



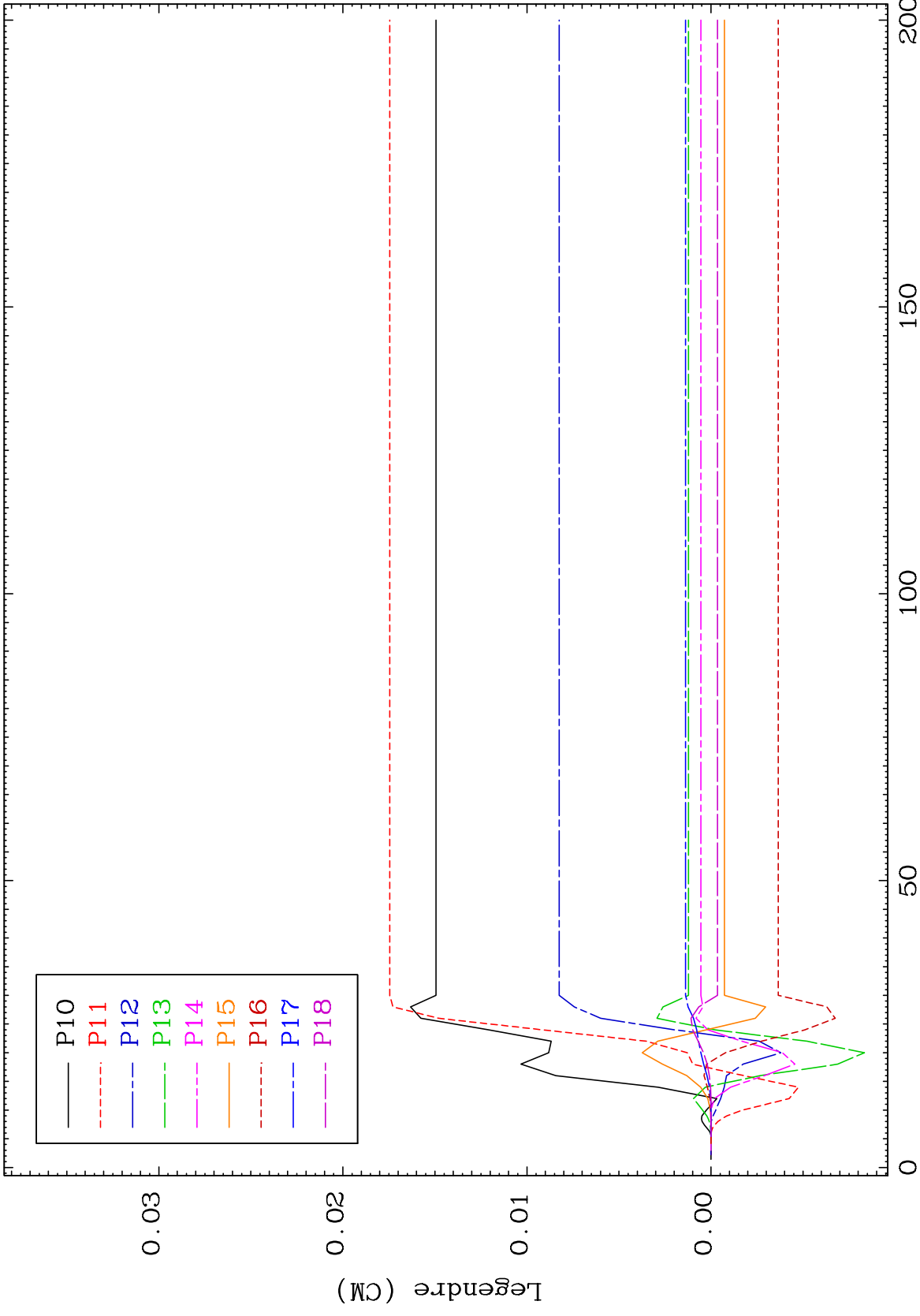
36

60-Nd-135

MAT 6004

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

60-Nd-135



37

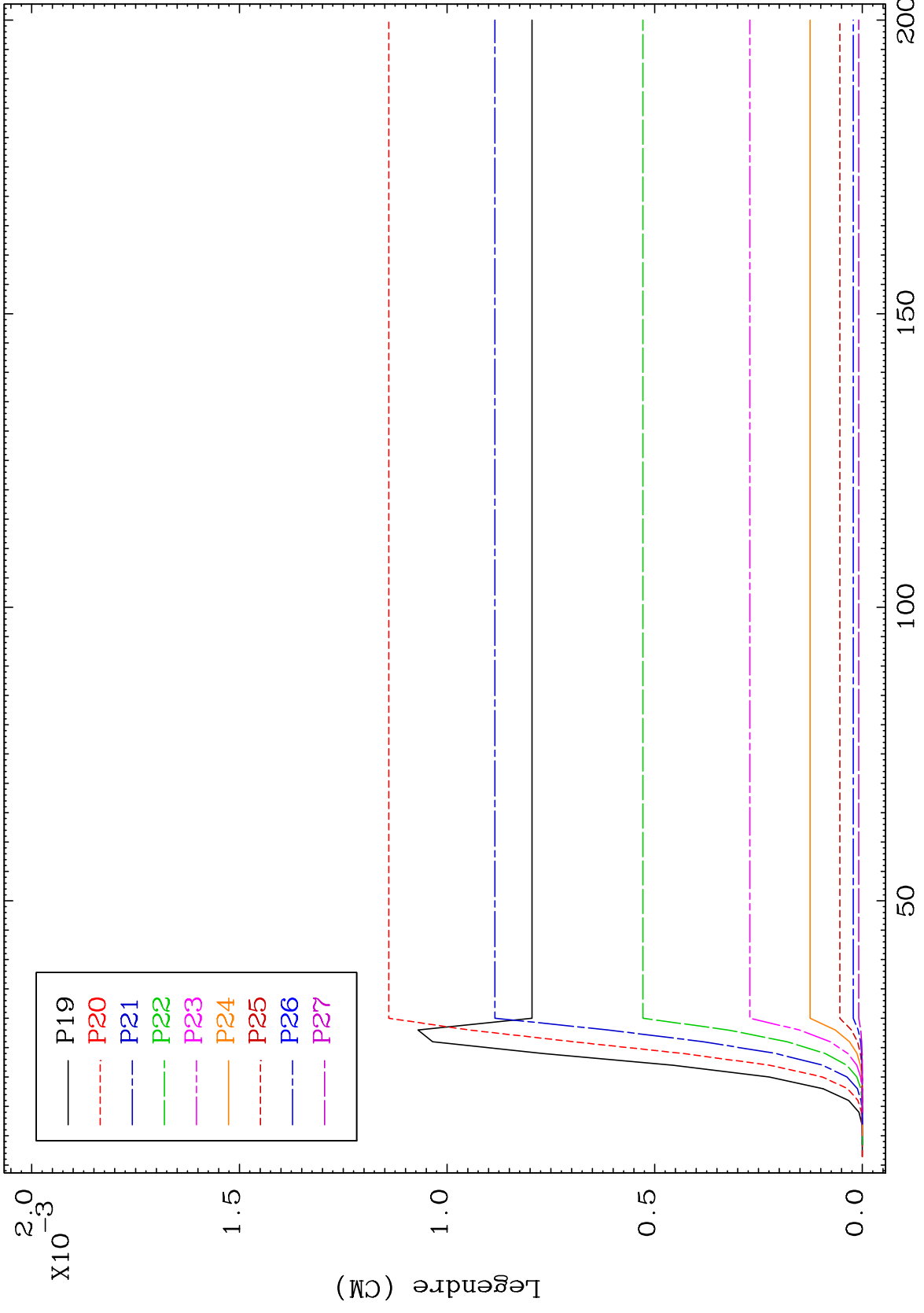
Incident Energy (MeV)

60-Nd-135

MAT 6004

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

60-Nd-135



38

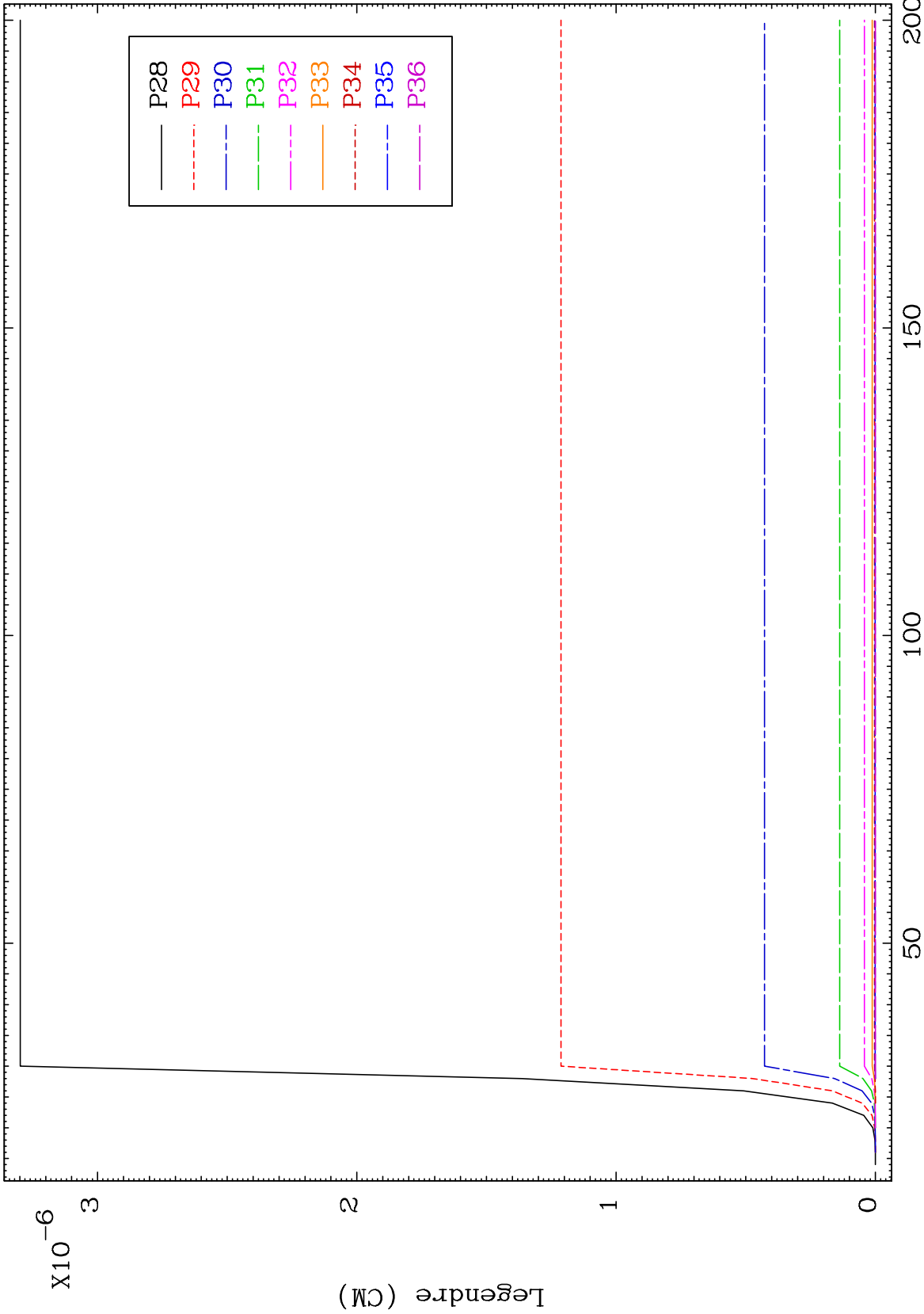
Incident Energy (MeV)

60-Nd-135

MAT 6004

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

60-Nd-135



39

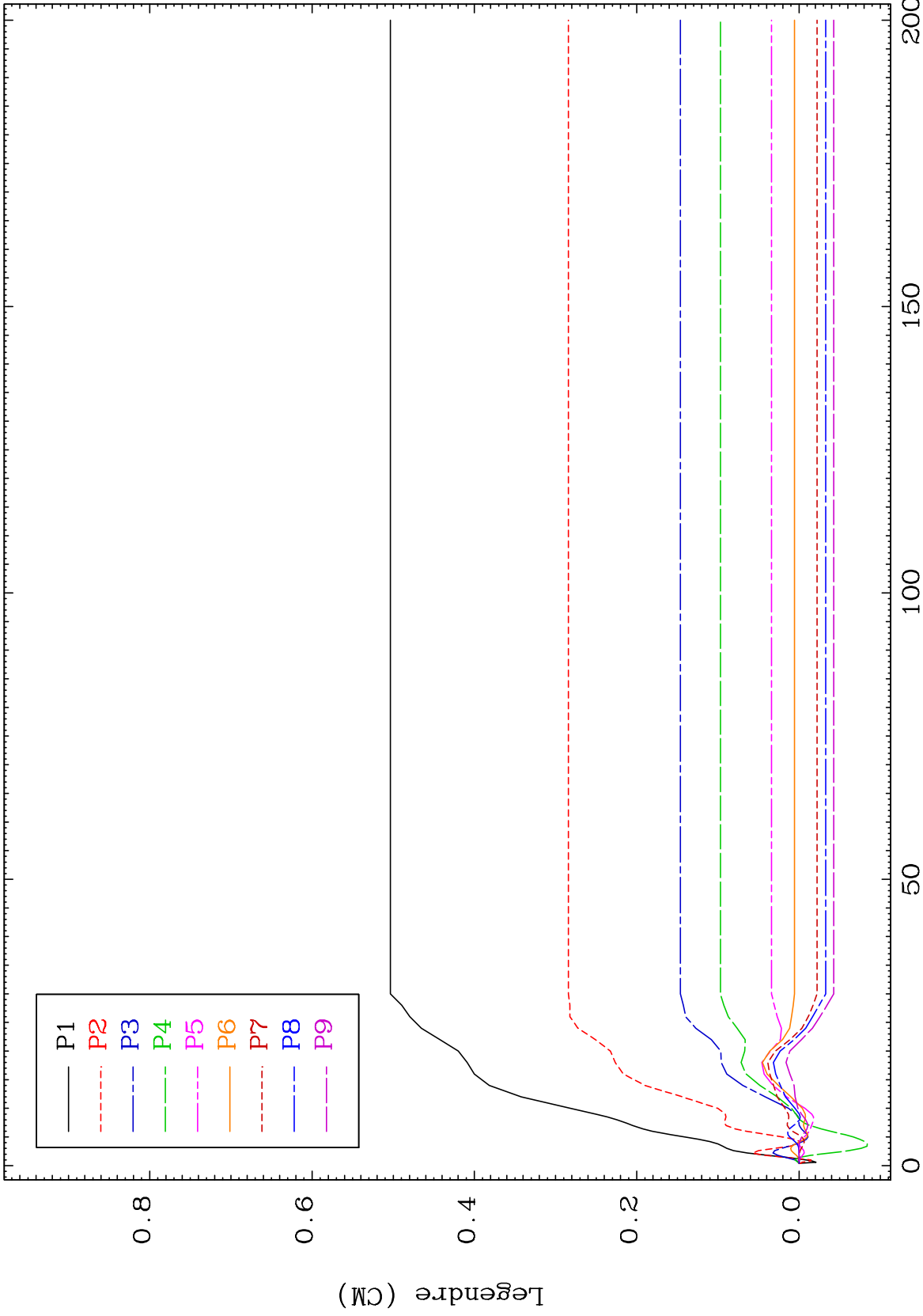
Incident Energy (MeV)

60-Nd-135

MAT 6004

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

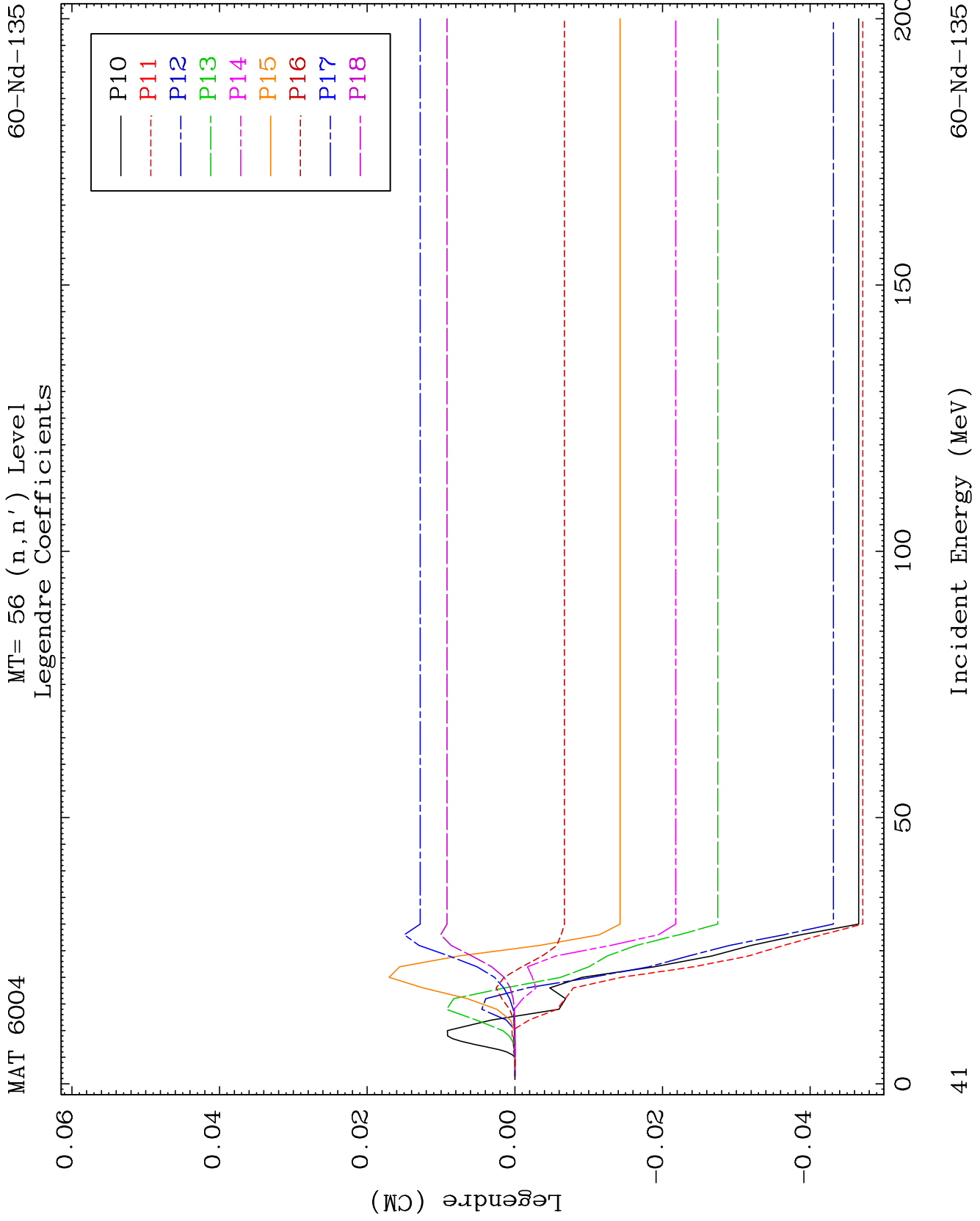
60-Nd-135



40

Incident Energy (MeV)

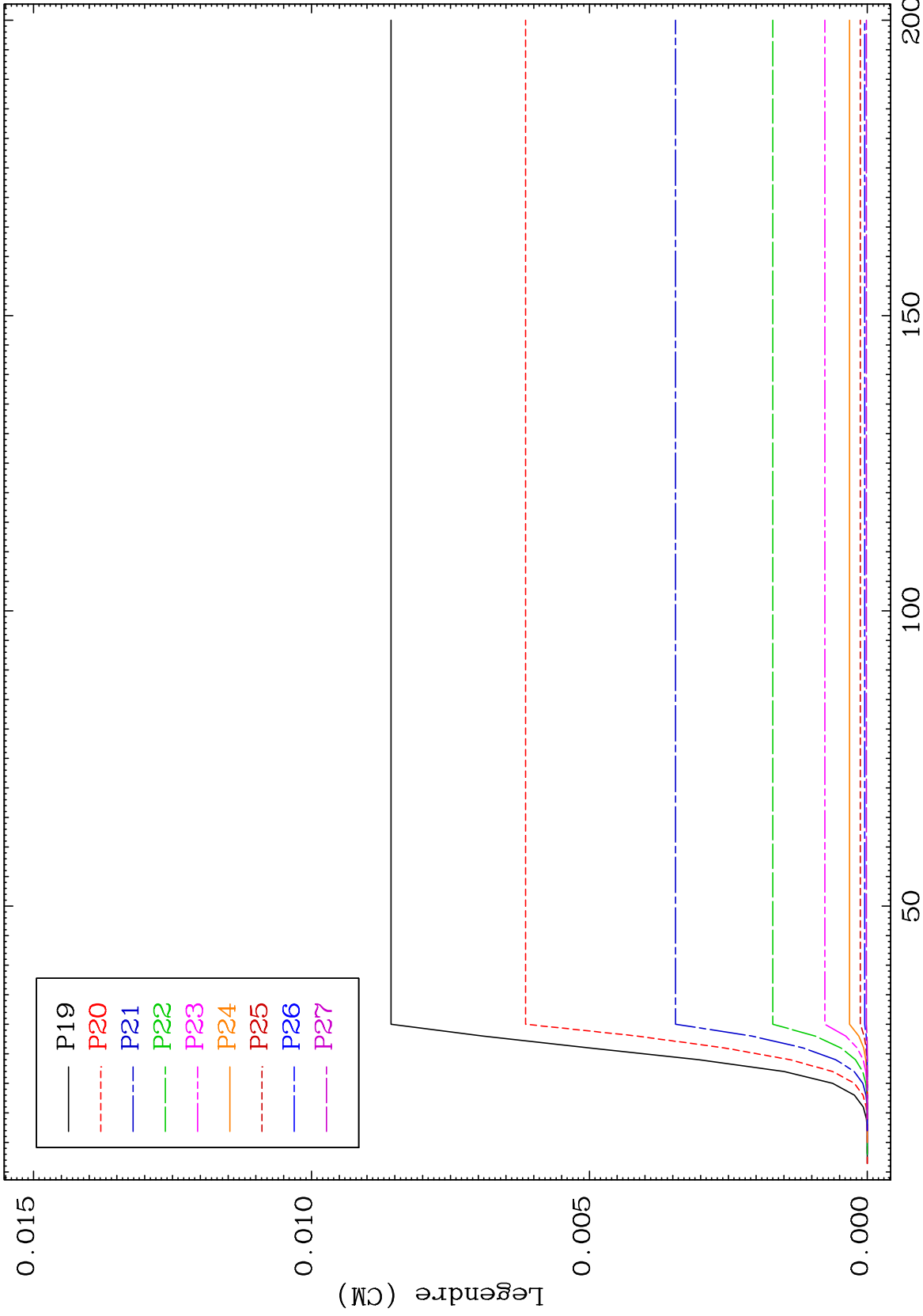
60-Nd-135



MAT 6004

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

60-Nd-135



42

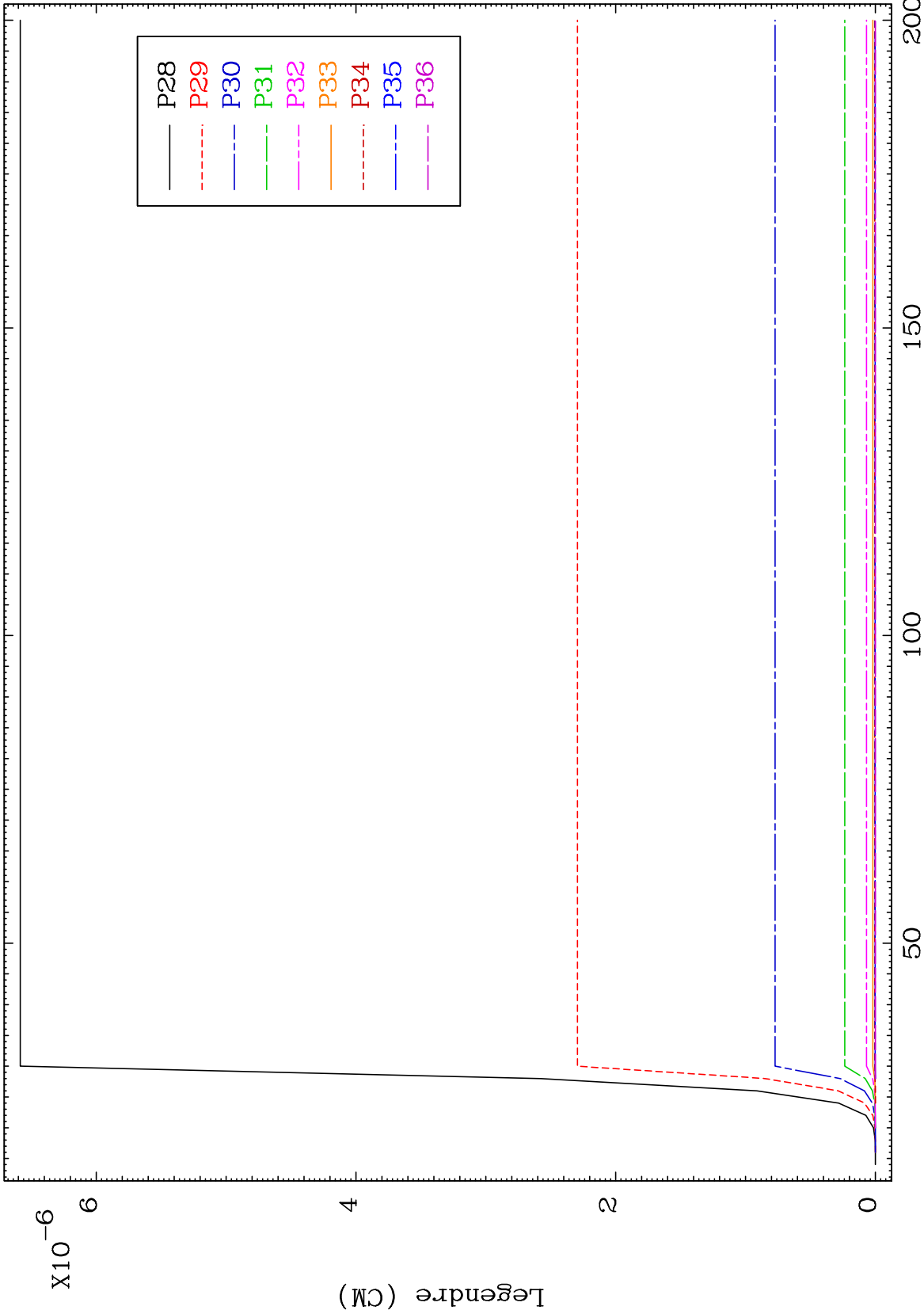
Incident Energy (MeV)

60-Nd-135

MAT 6004

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

60-Nd-135

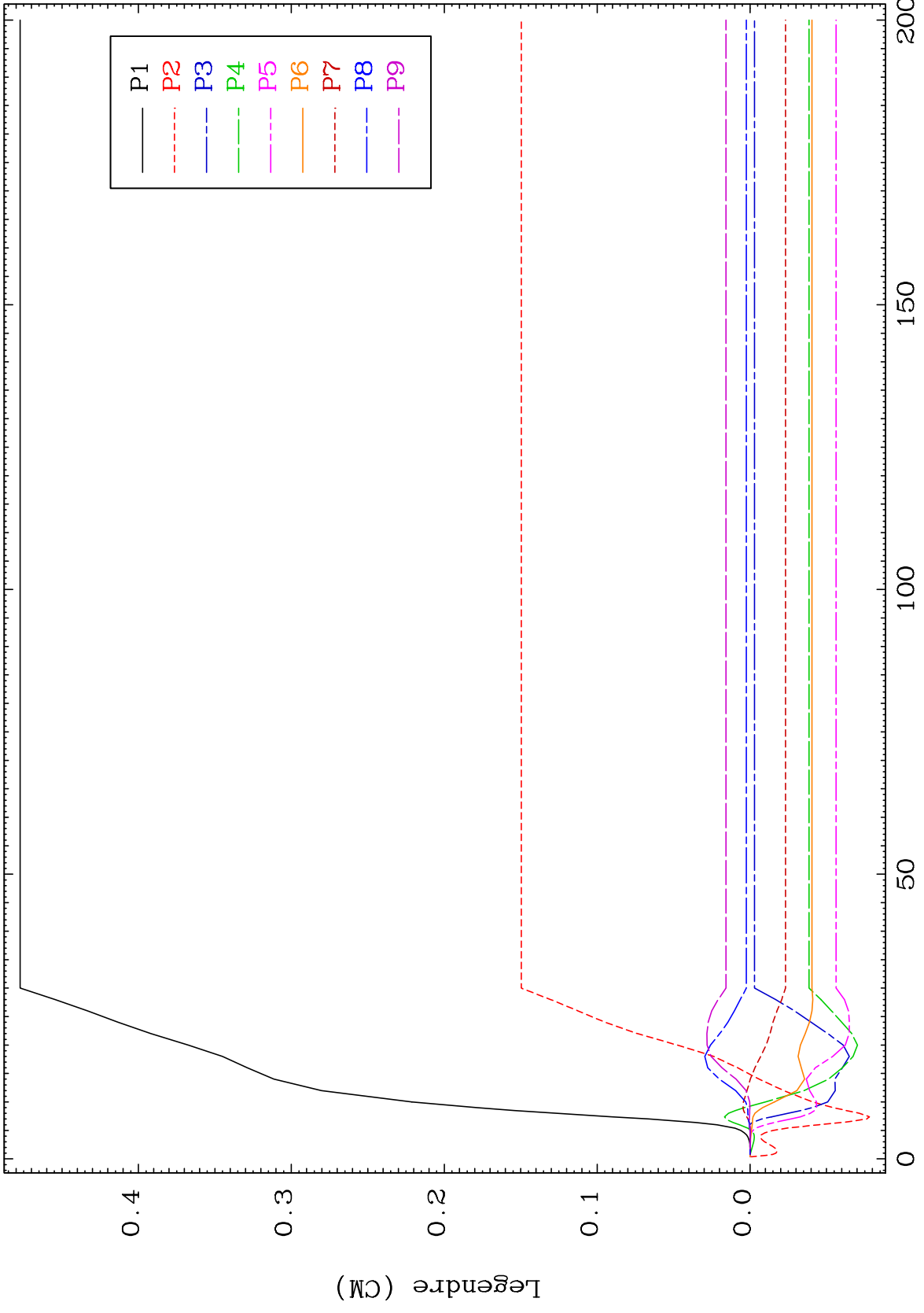


43

Incident Energy (MeV)

60-Nd-135

MAT 6004 MT= 57 (n,n') Level Legendre Coefficients 60-Nd-135

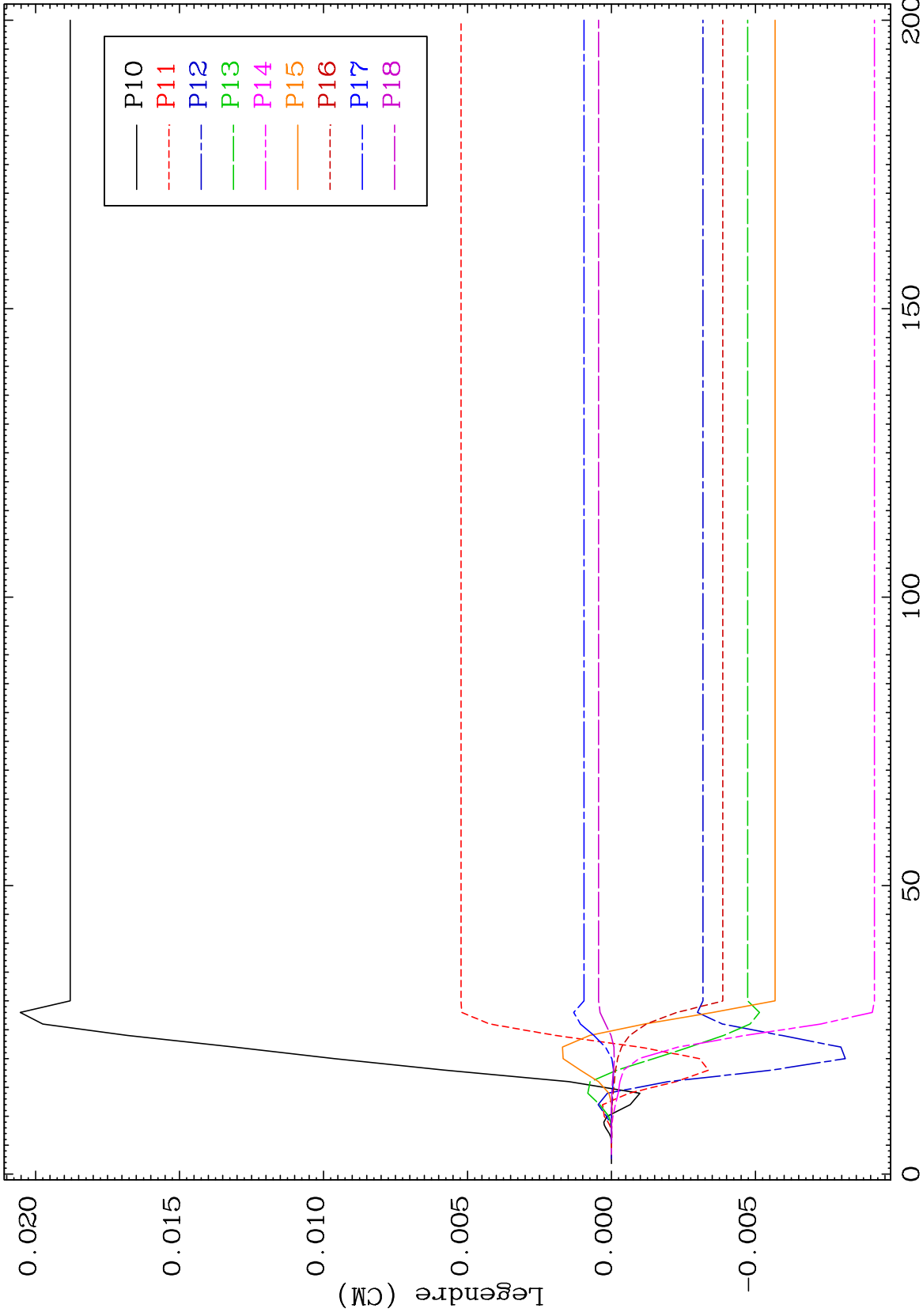


44 60-Nd-135

MAT 6004

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

60-Nd-135



45

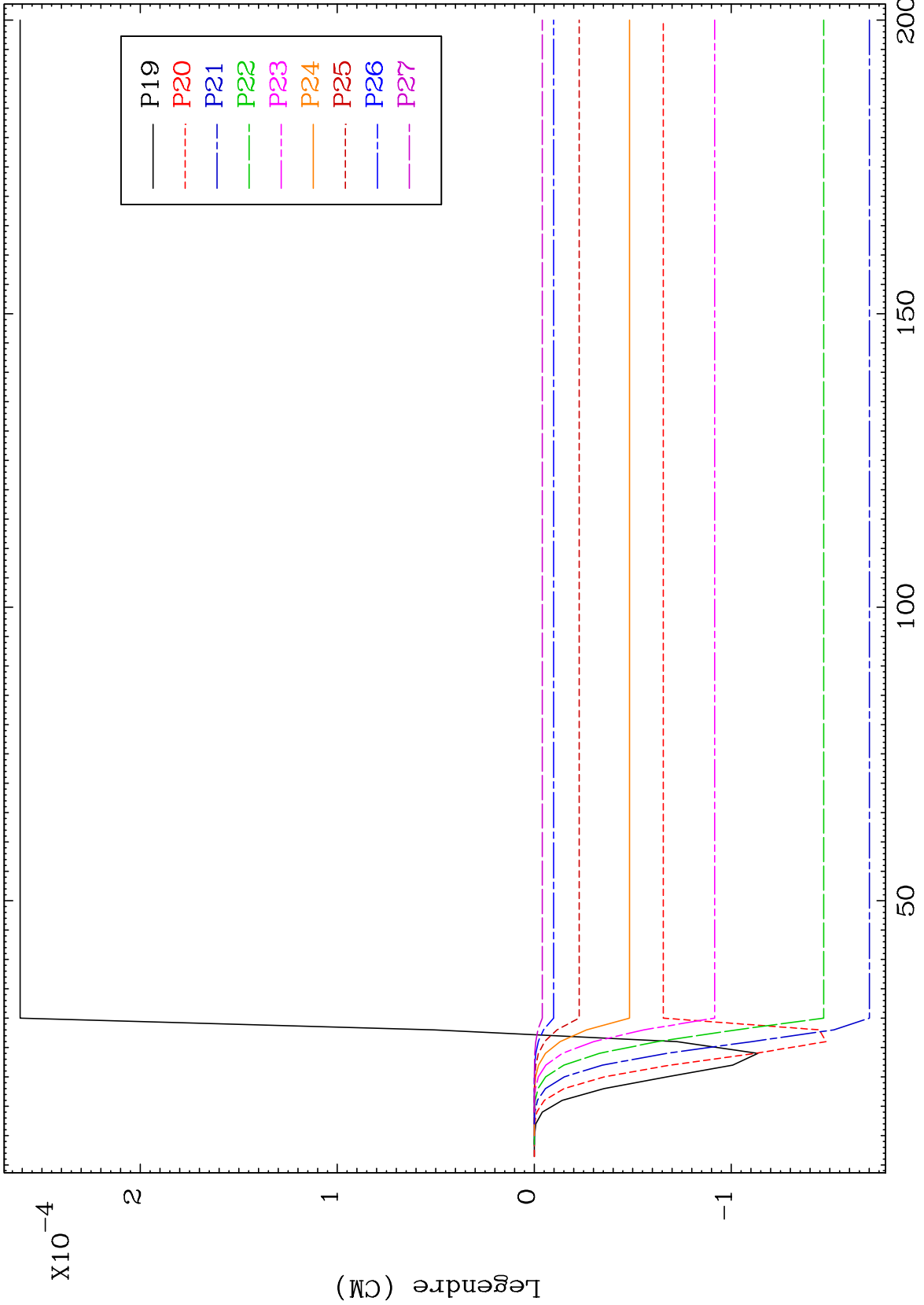
Incident Energy (MeV)

60-Nd-135

MAT 6004

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

60-Nd-135



46

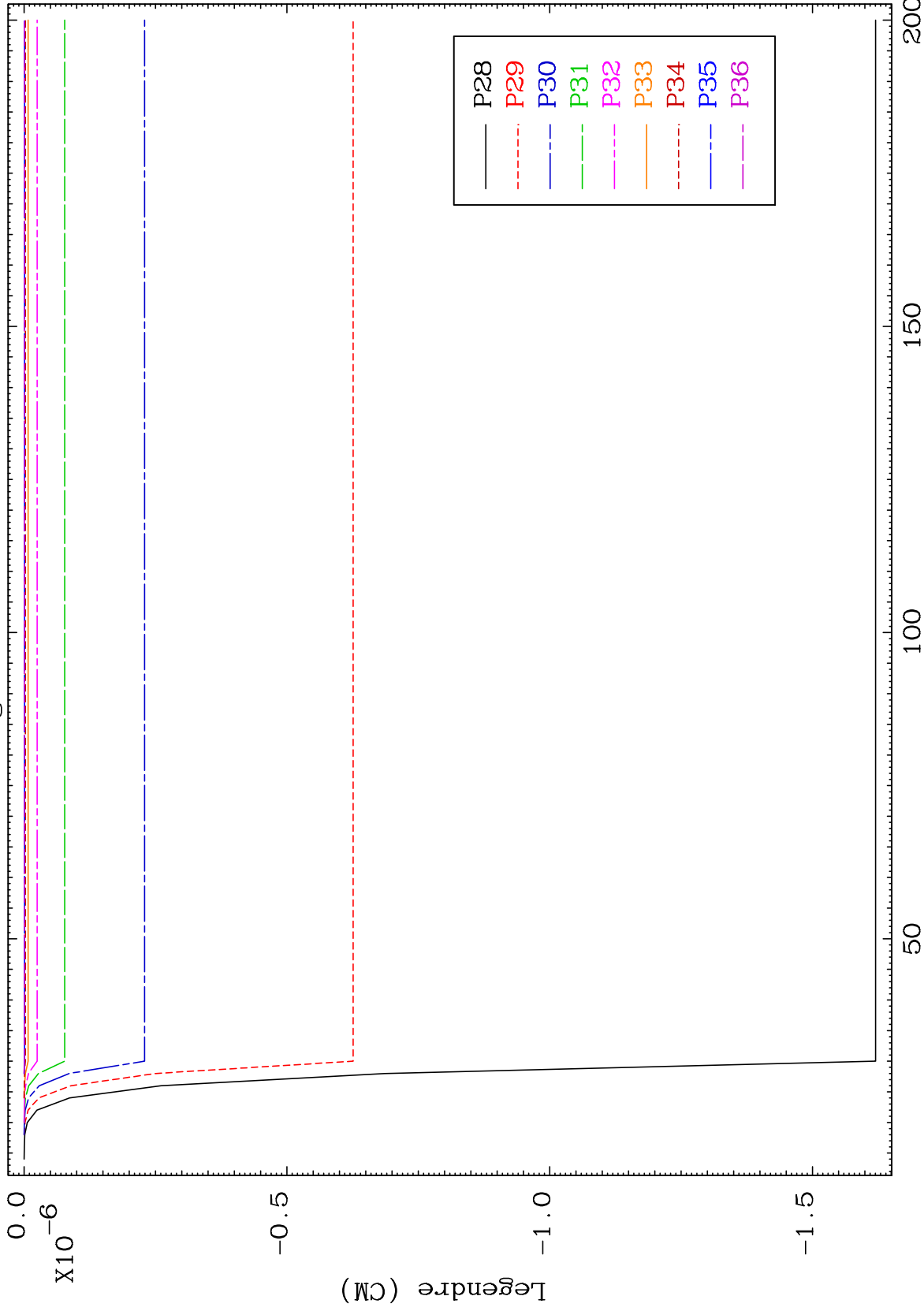
Incident Energy (MeV)

60-Nd-135

MAT 6004

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

60-Nd-135



47

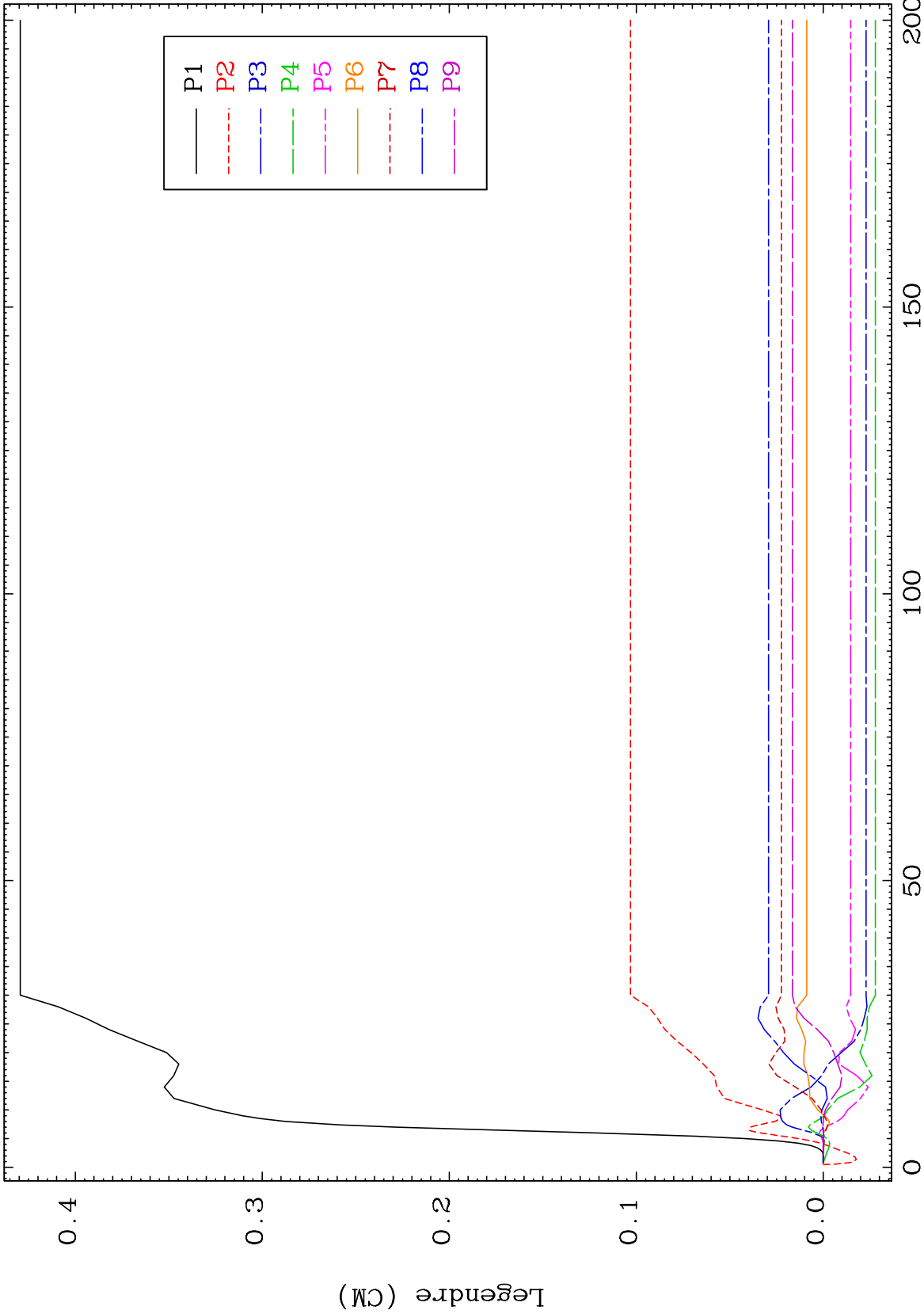
Incident Energy (MeV)

60-Nd-135

MAT 6004

MT= 58 (n,n') Level
Legendre Coefficients

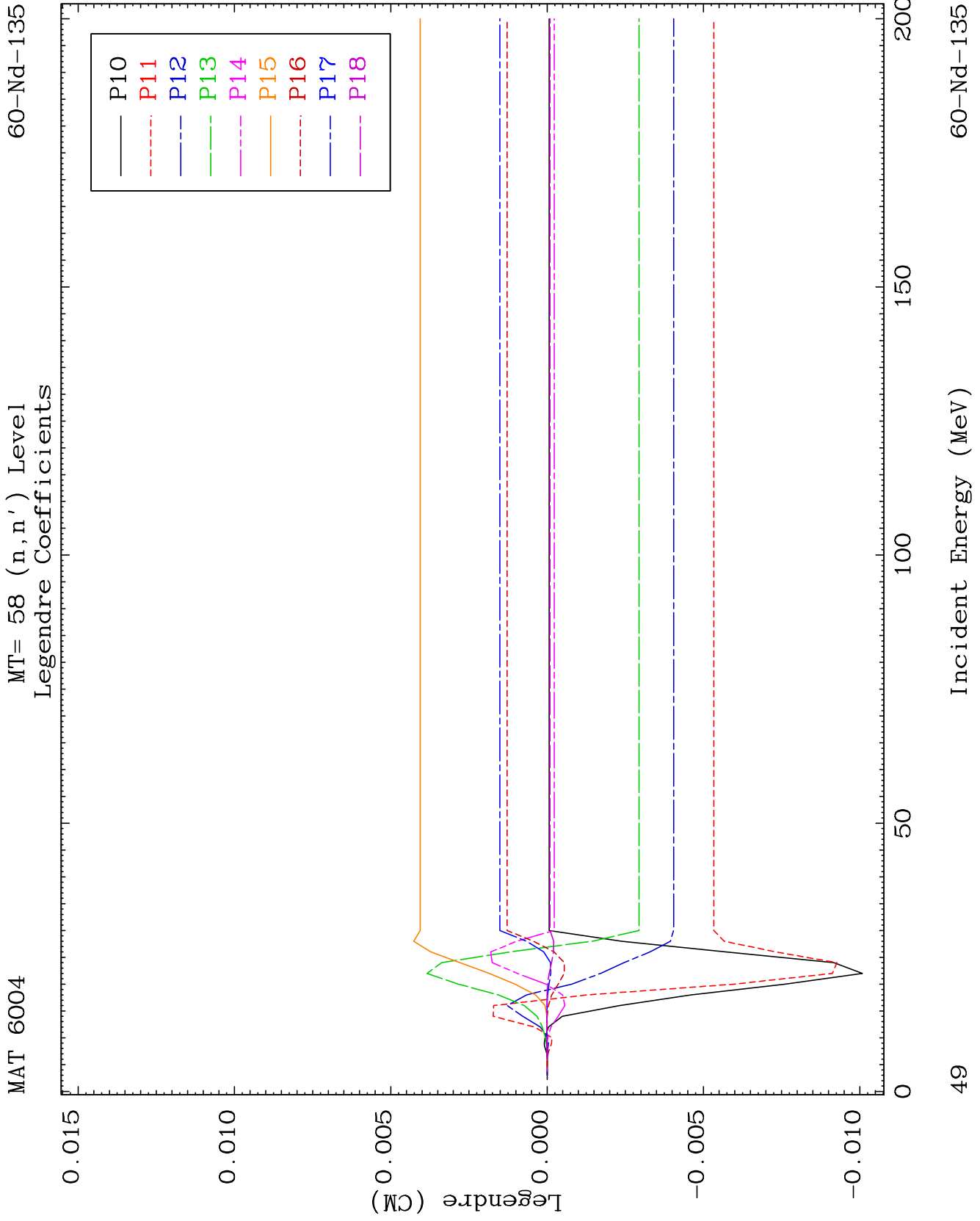
60-Nd-135



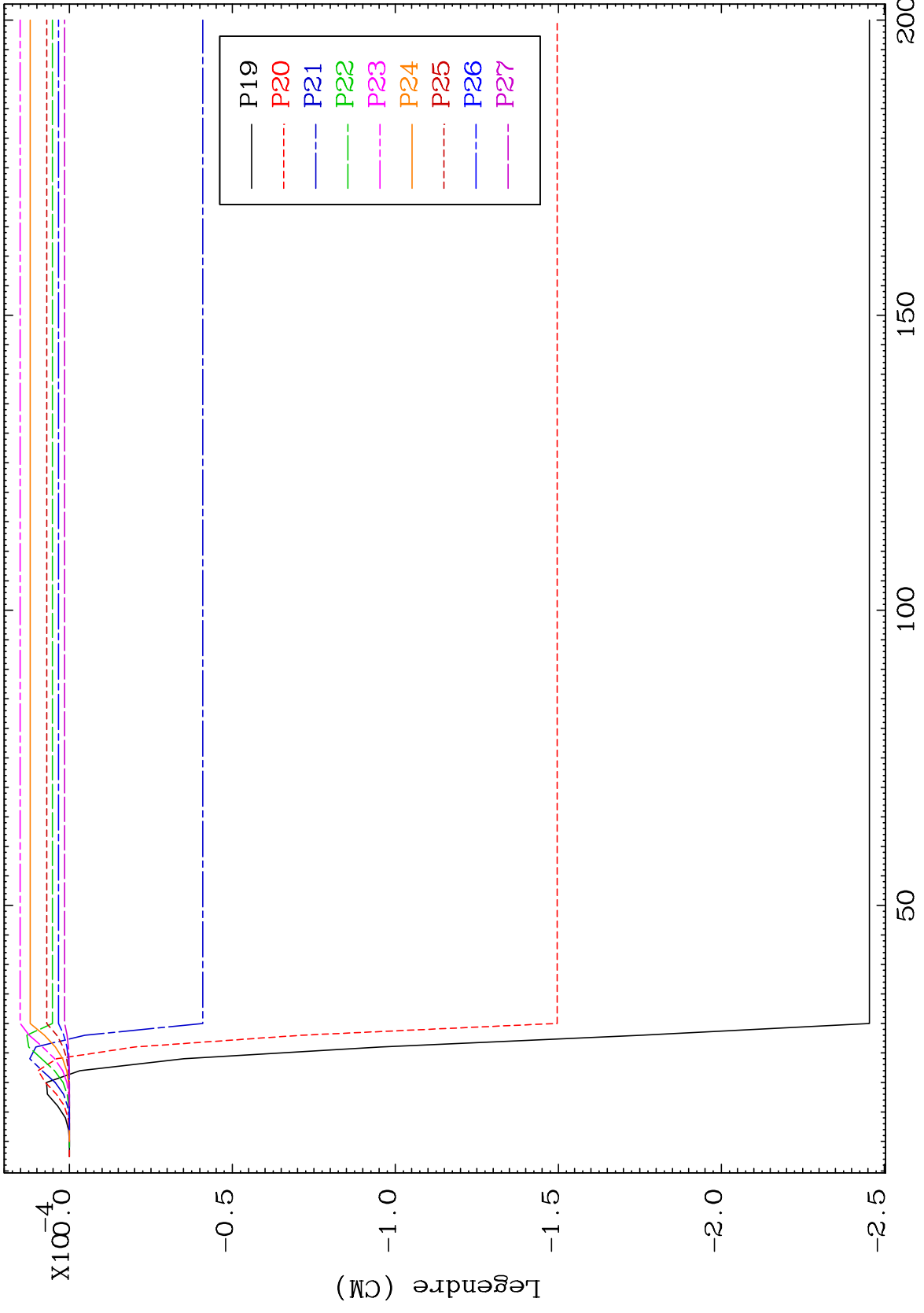
48

Incident Energy (MeV)

60-Nd-135



MAT 6004 MT= 58 (n,n') Level Legendre Coefficients 60-Nd-135

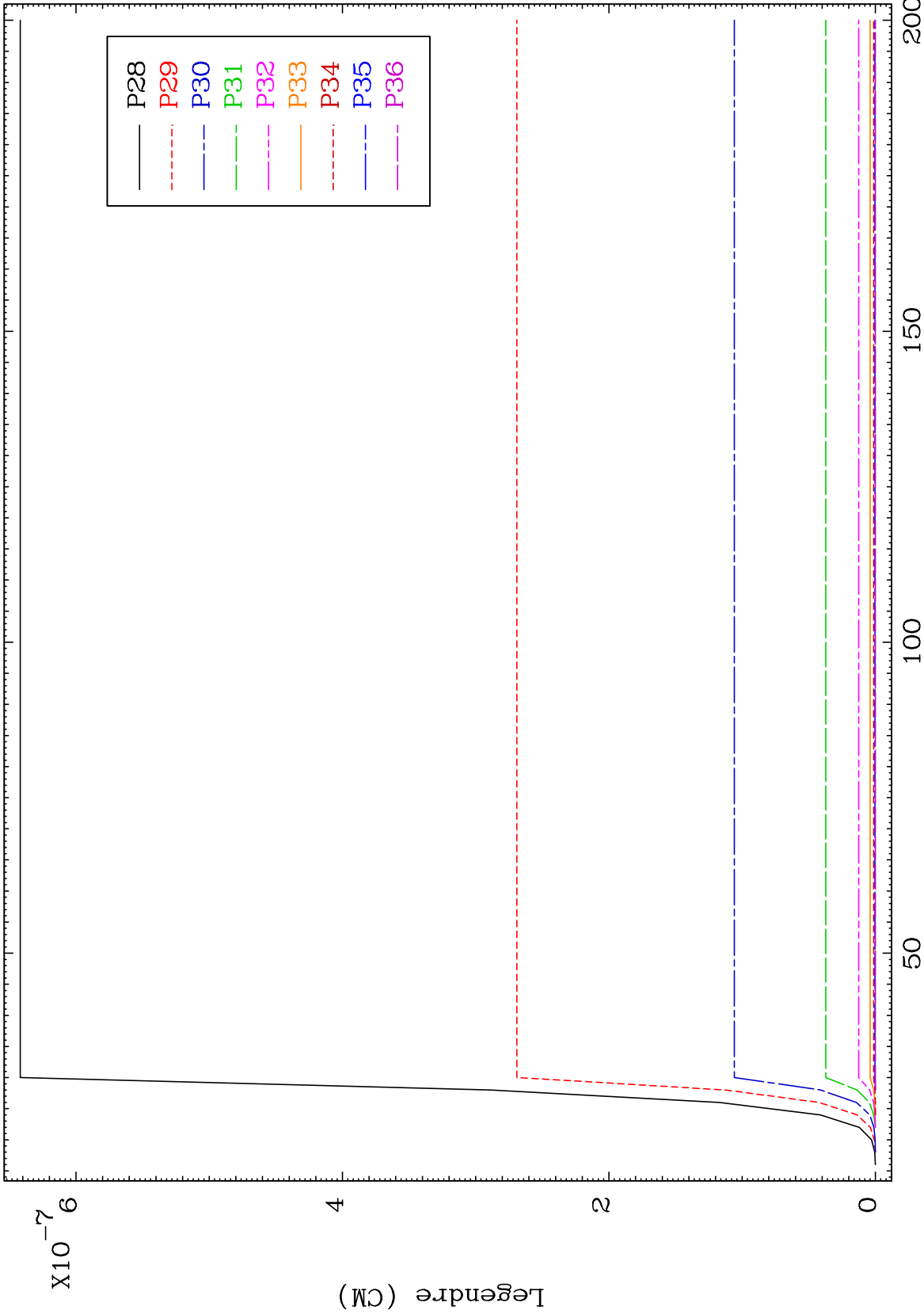


50 100 150 200 Incident Energy (MeV) 60-Nd-135

MAT 6004

MT= 58 (n,n') Level
Legendre Coefficients

60-Nd-135



51

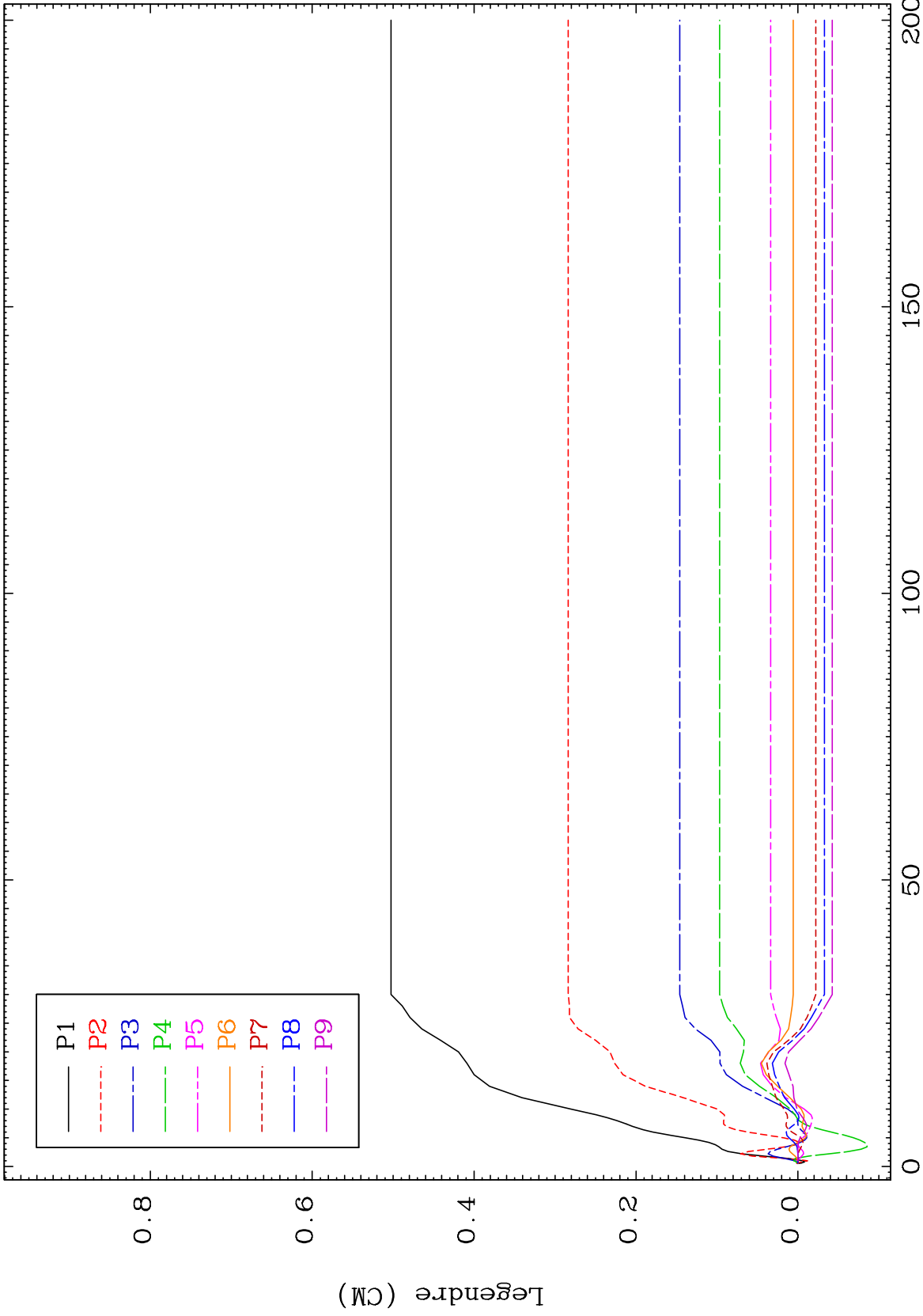
Incident Energy (MeV)

60-Nd-135

MAT 6004

MT= 59 (n,n') Level
Legendre Coefficients

60-Nd-135



52

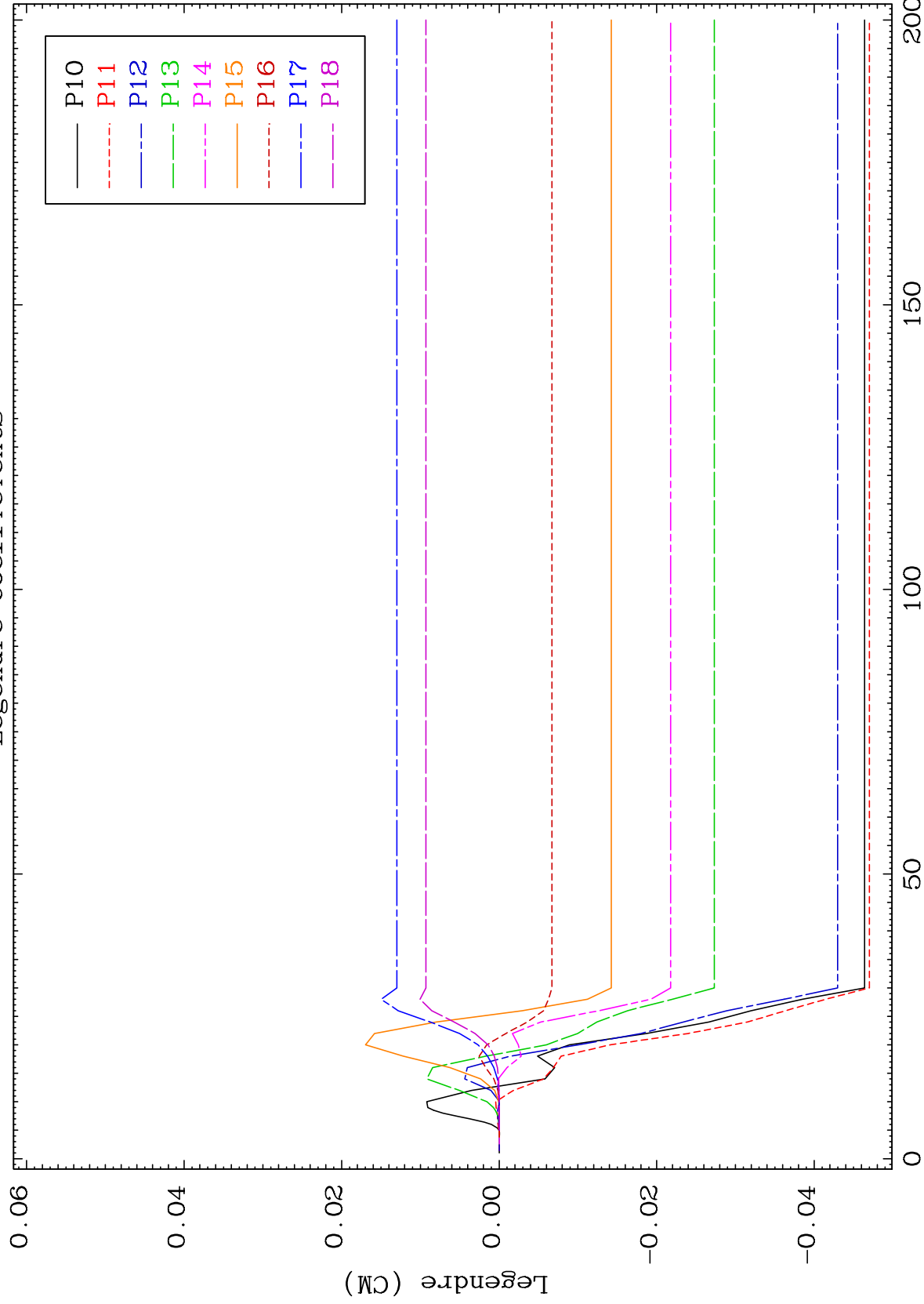
Incident Energy (MeV)

60-Nd-135

MAT 6004

MT= 59 (n,n') Level
Legendre Coefficients

60-Nd-135



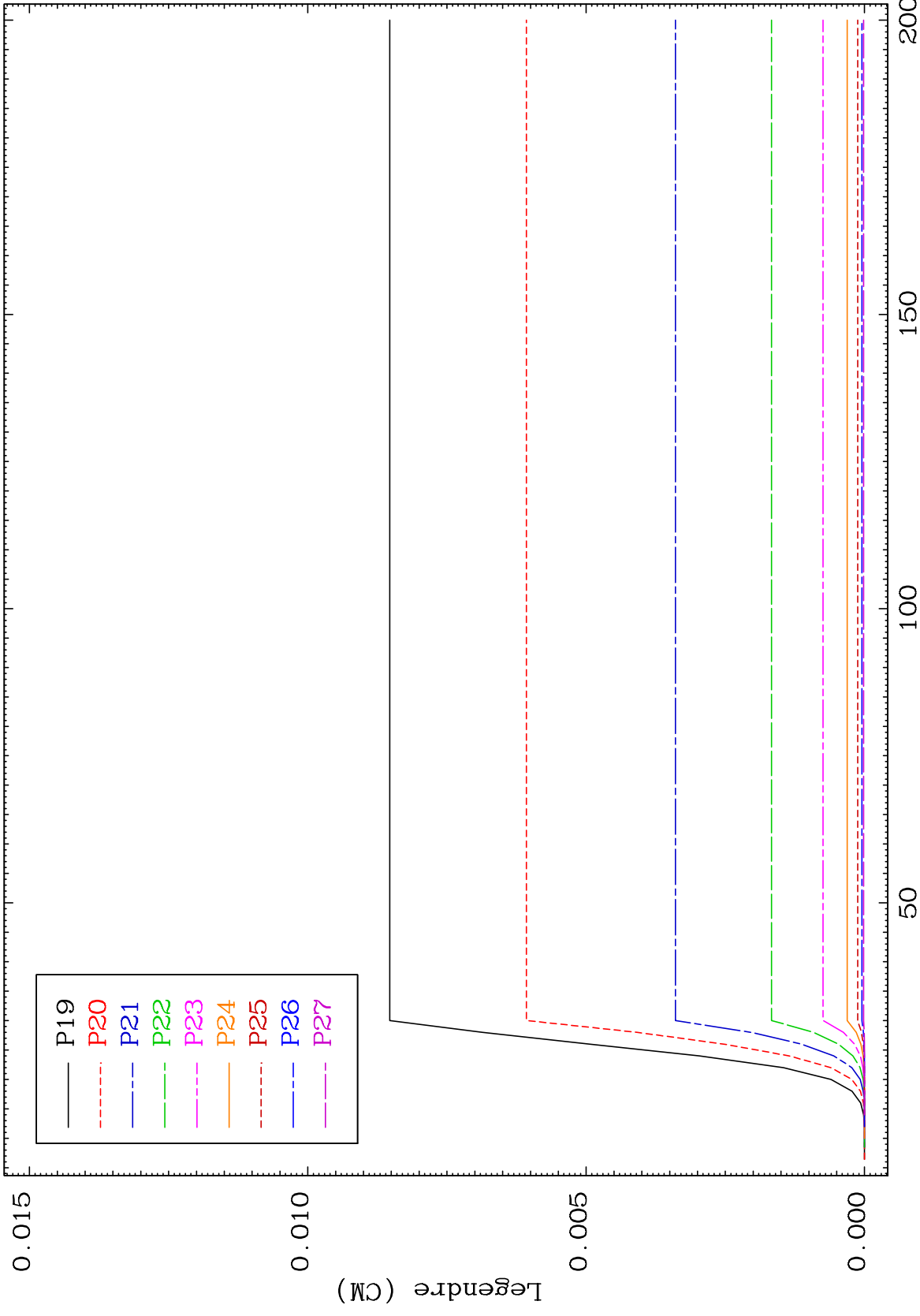
53

60-Nd-135

MAT 6004

MT= 59 (n,n') Level
Legendre Coefficients

60-Nd-135



54

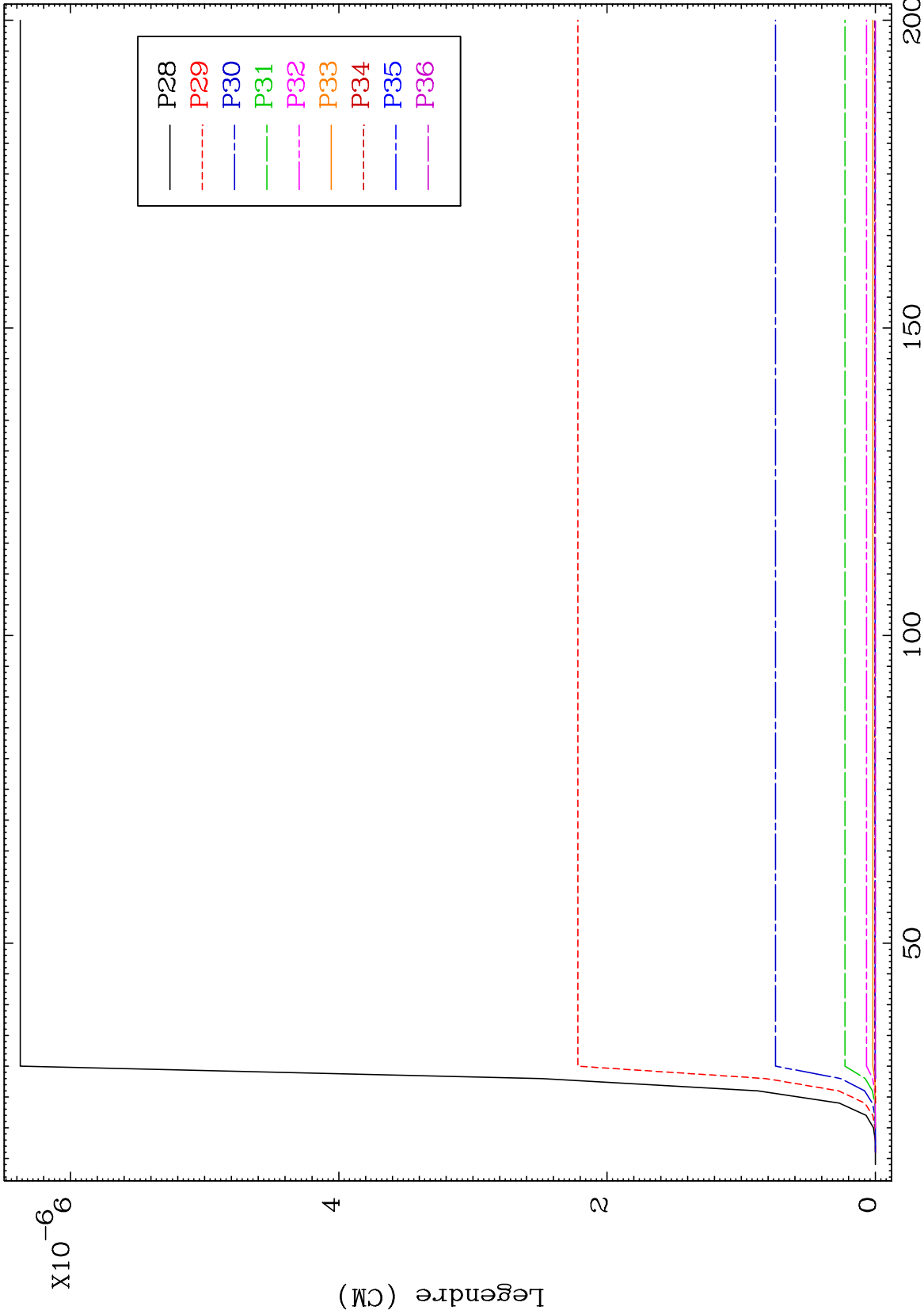
Incident Energy (MeV)

60-Nd-135

MAT 6004

MT= 59 (n,n') Level
Legendre Coefficients

60-Nd-135



55

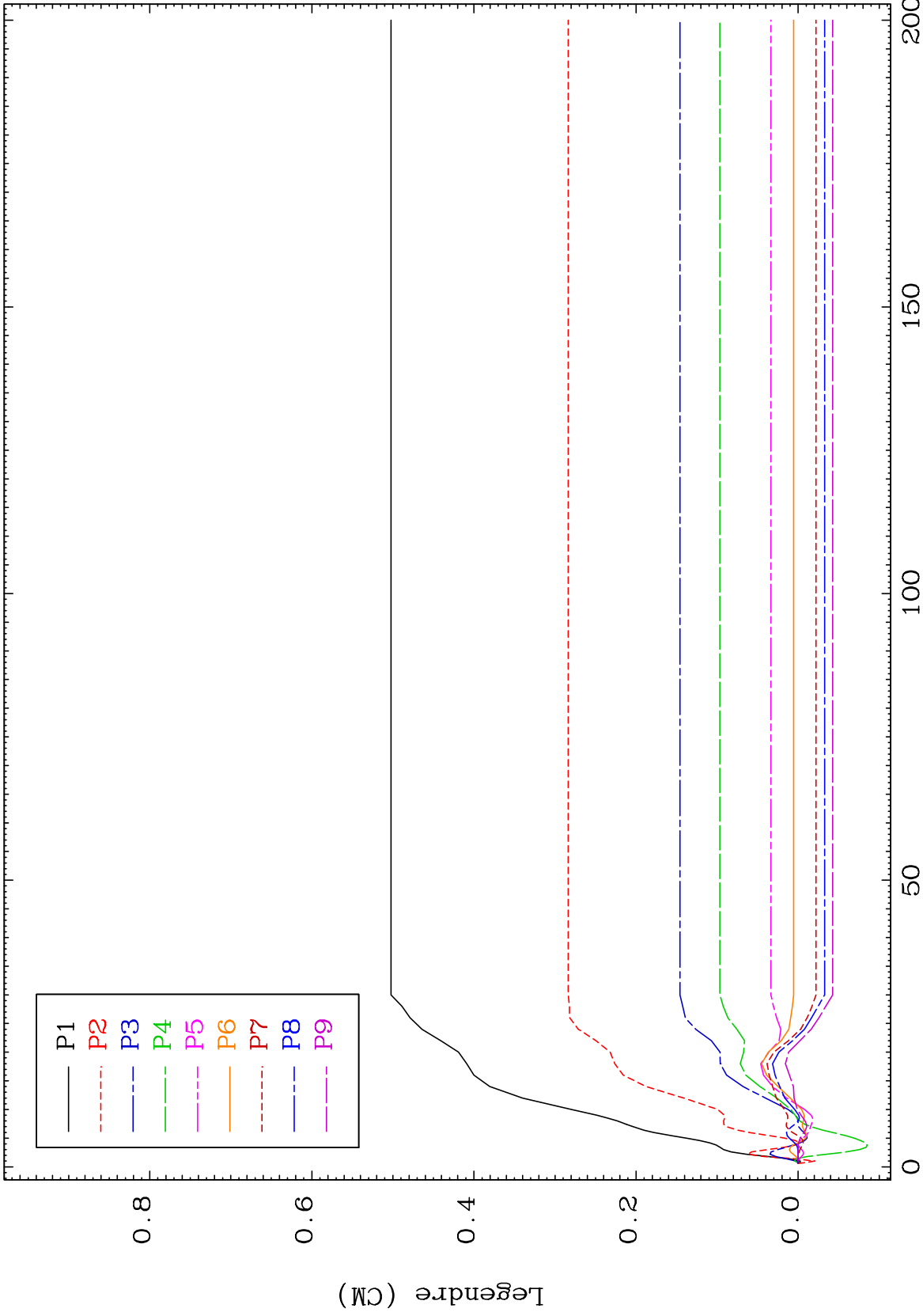
Incident Energy (MeV)

60-Nd-135

MAT 6004

MT= 60 (n,n') Level
Legendre Coefficients

60-Nd-135

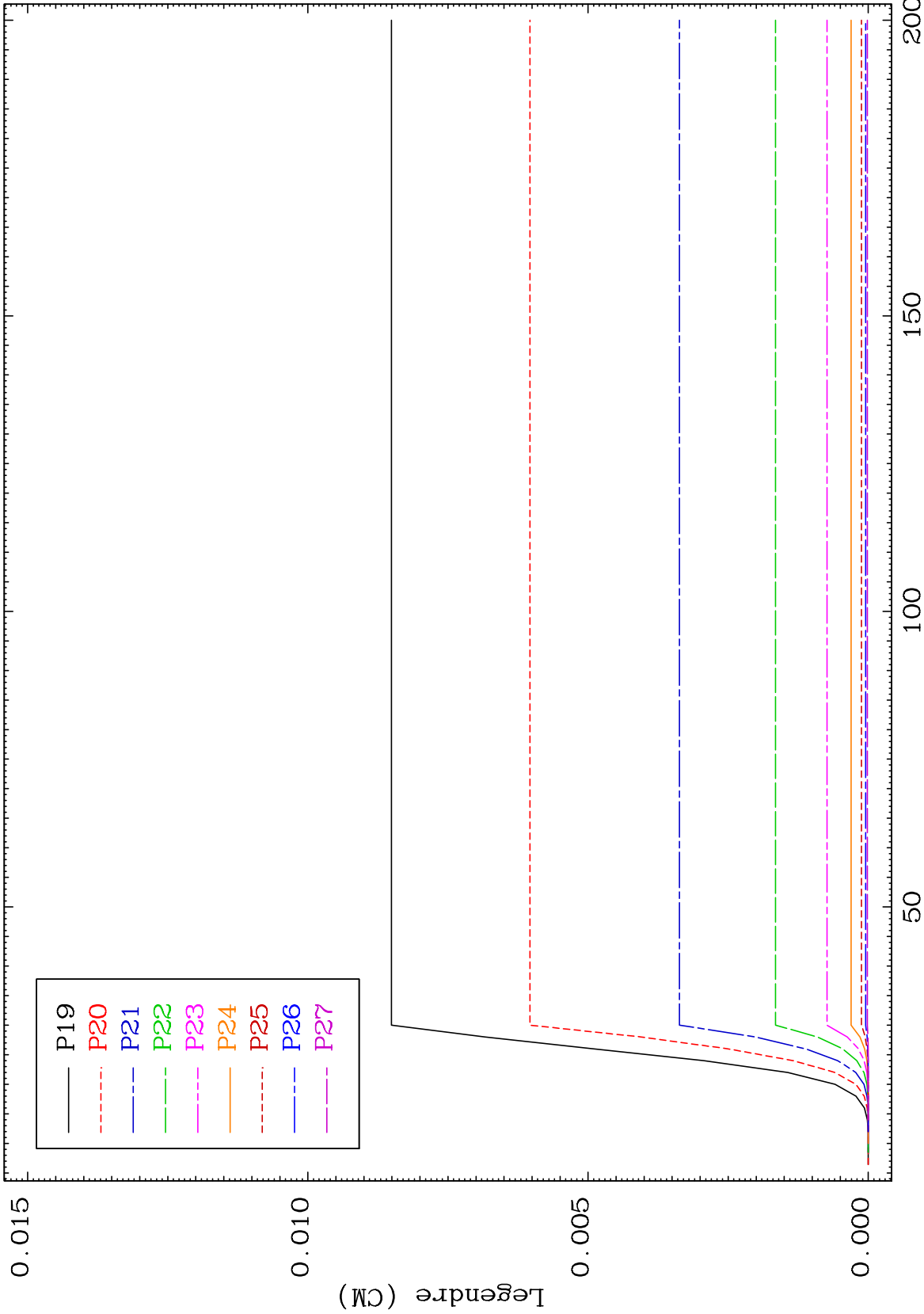


56

Incident Energy (MeV)

60-Nd-135

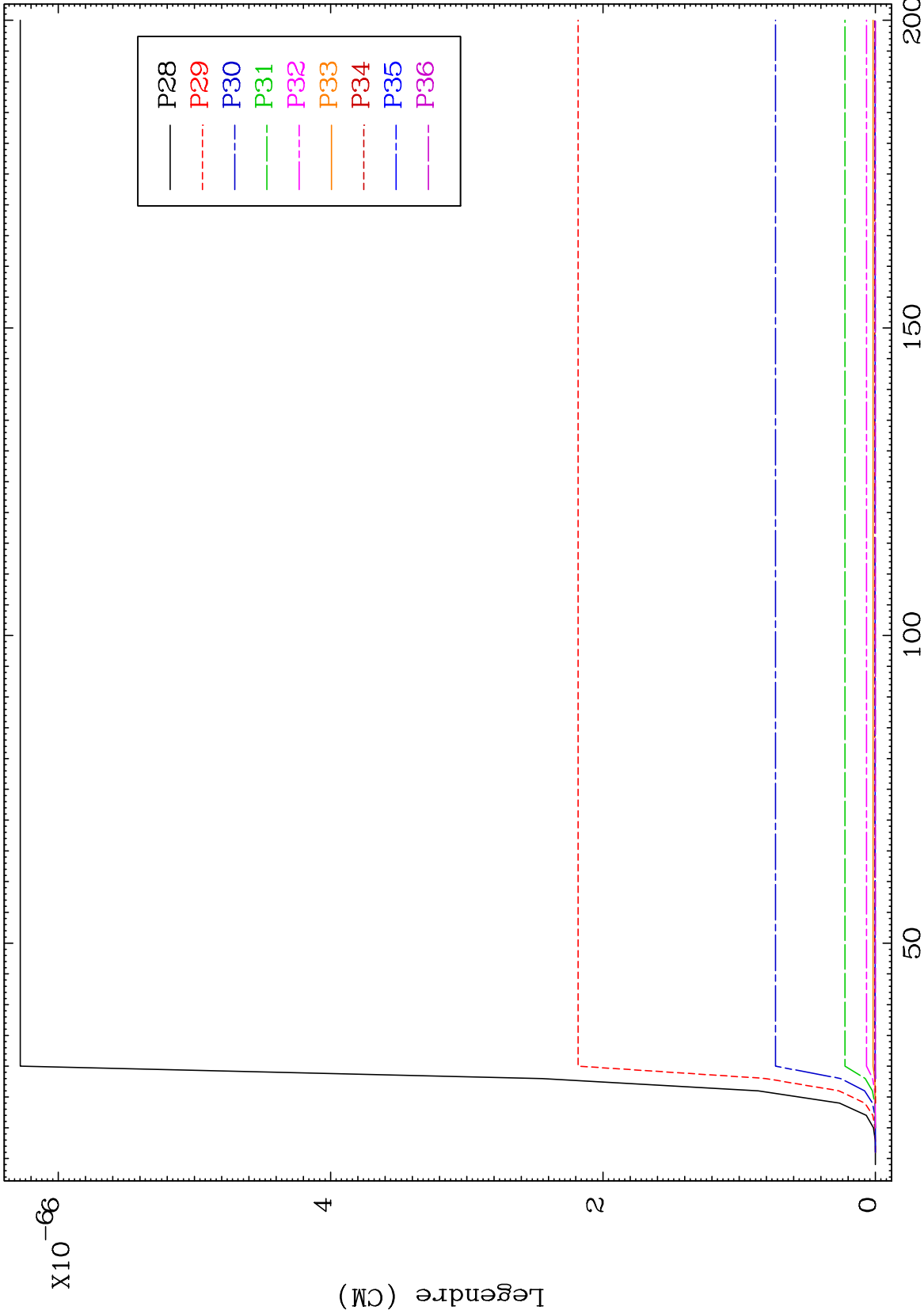
MAT 6004 MT= 60 (n,n') Level Legendre Coefficients 60-Nd-135



MAT 6004

MT= 60 (n,n') Level
Legendre Coefficients

60-Nd-135

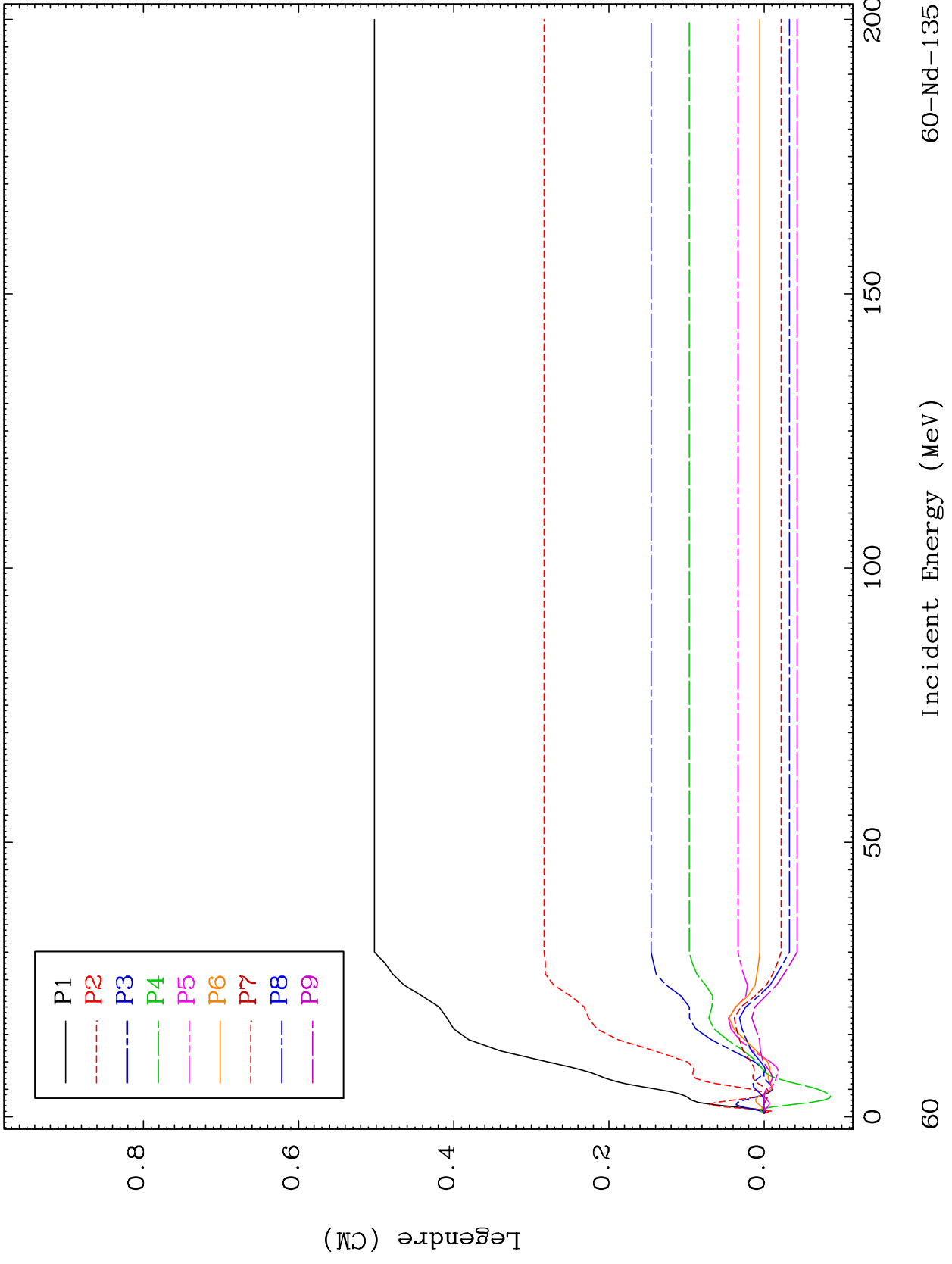


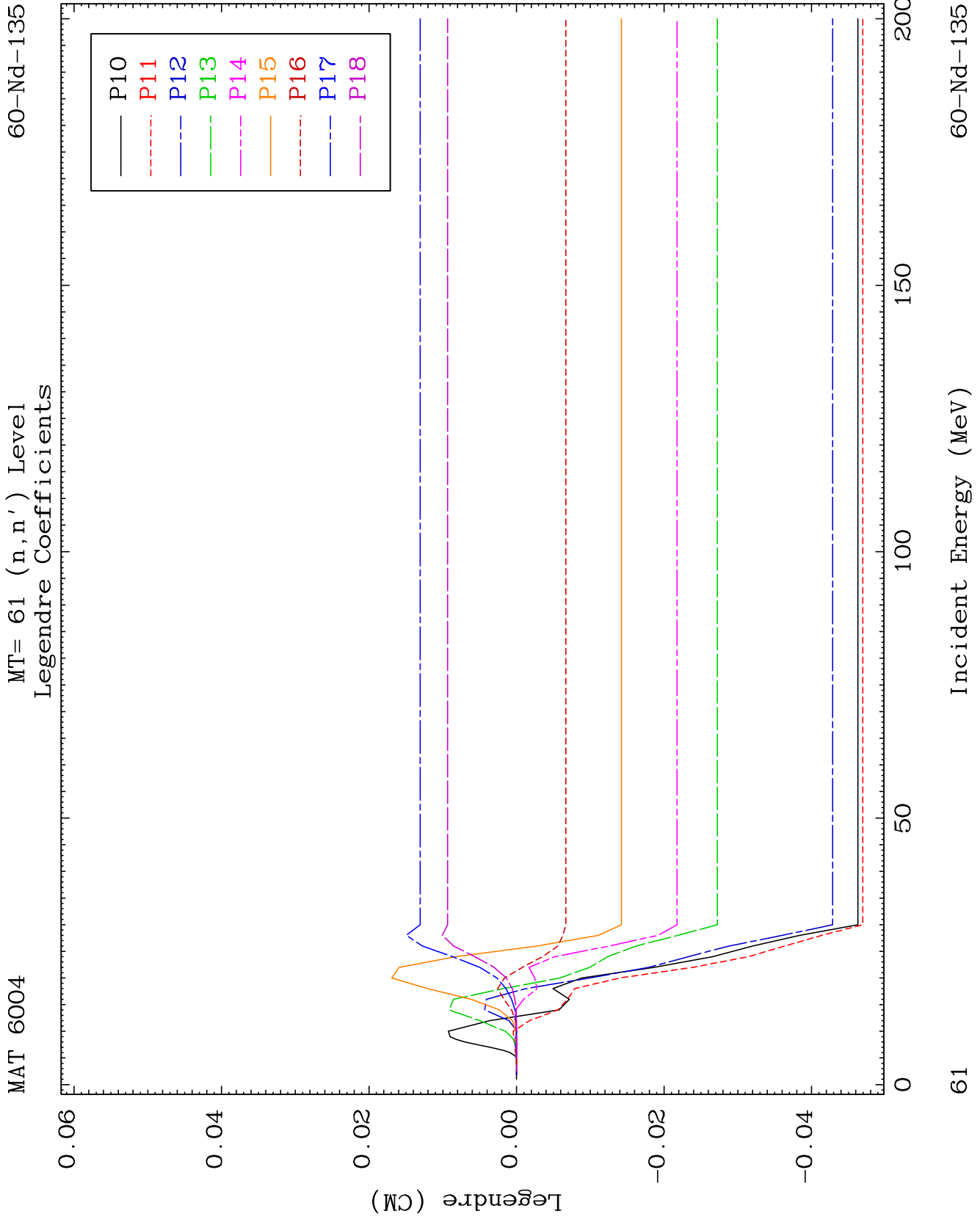
59

Incident Energy (MeV)

60-Nd-135

MAT 6004 MT= 61 (n,n') Level Legendre Coefficients 60-Nd-135

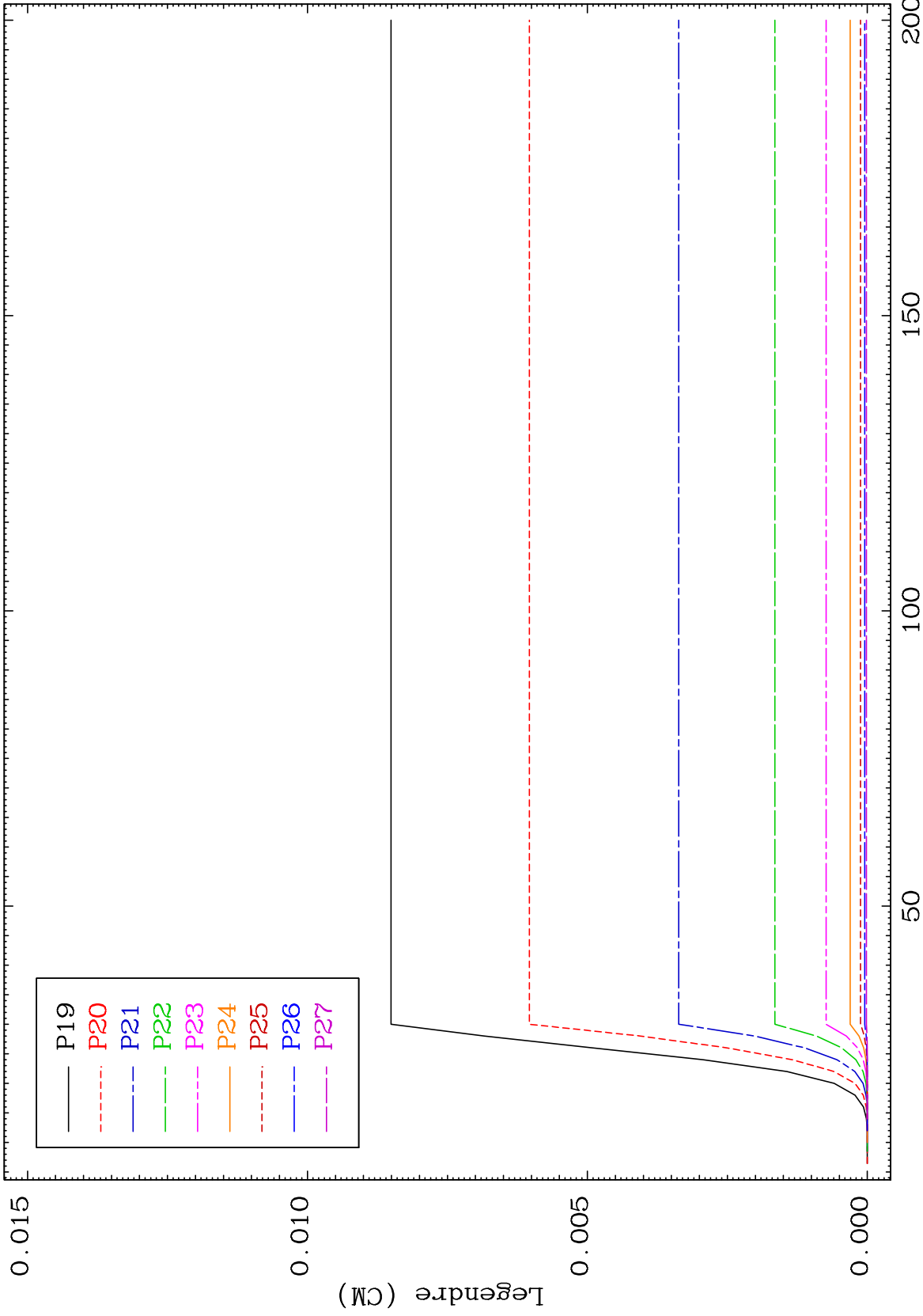




MAT 6004

MT= 61 (n,n') Level
Legendre Coefficients

60-Nd-135



62

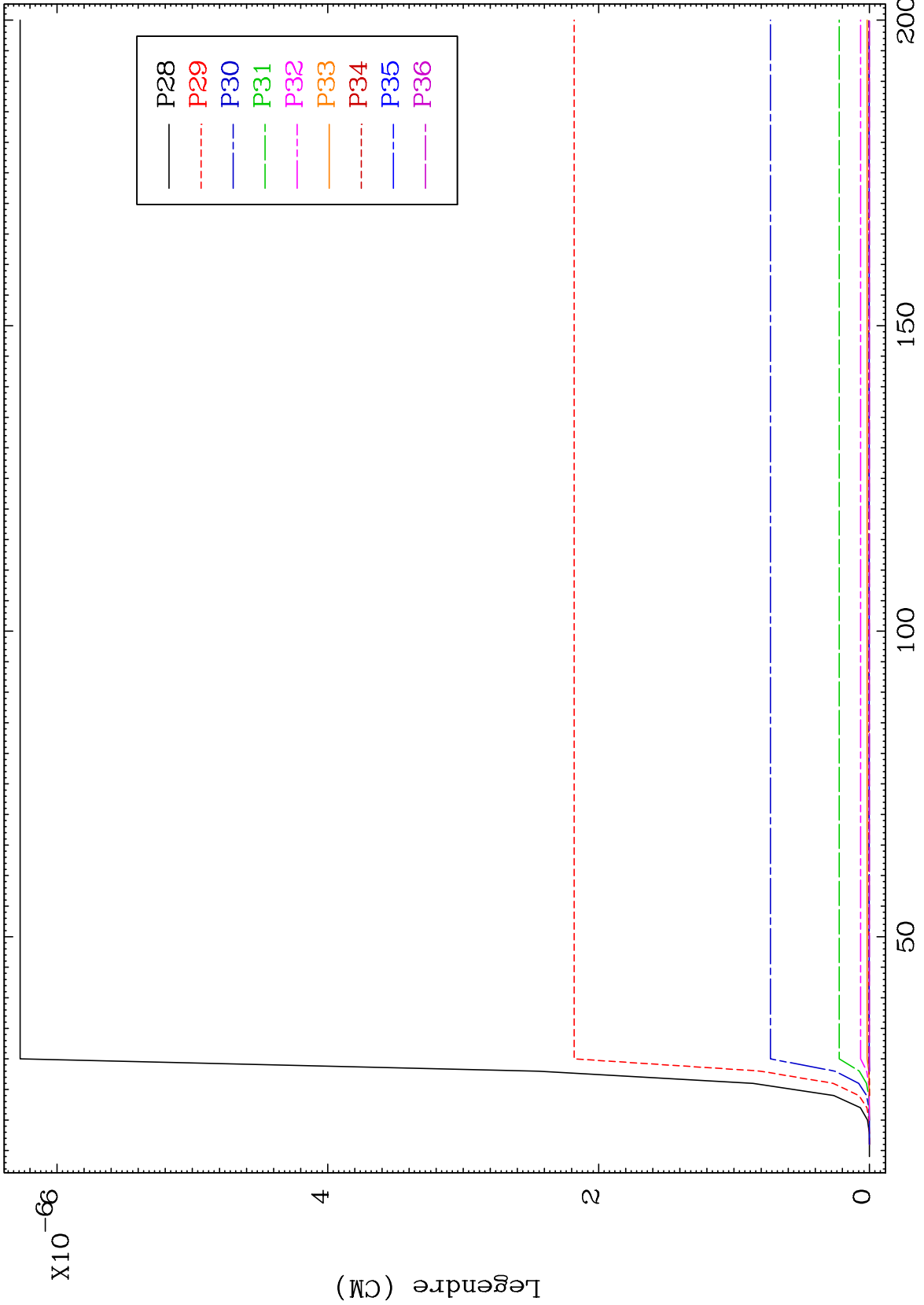
Incident Energy (MeV)

60-Nd-135

MAT 6004

MT= 61 (n,n') Level
Legendre Coefficients

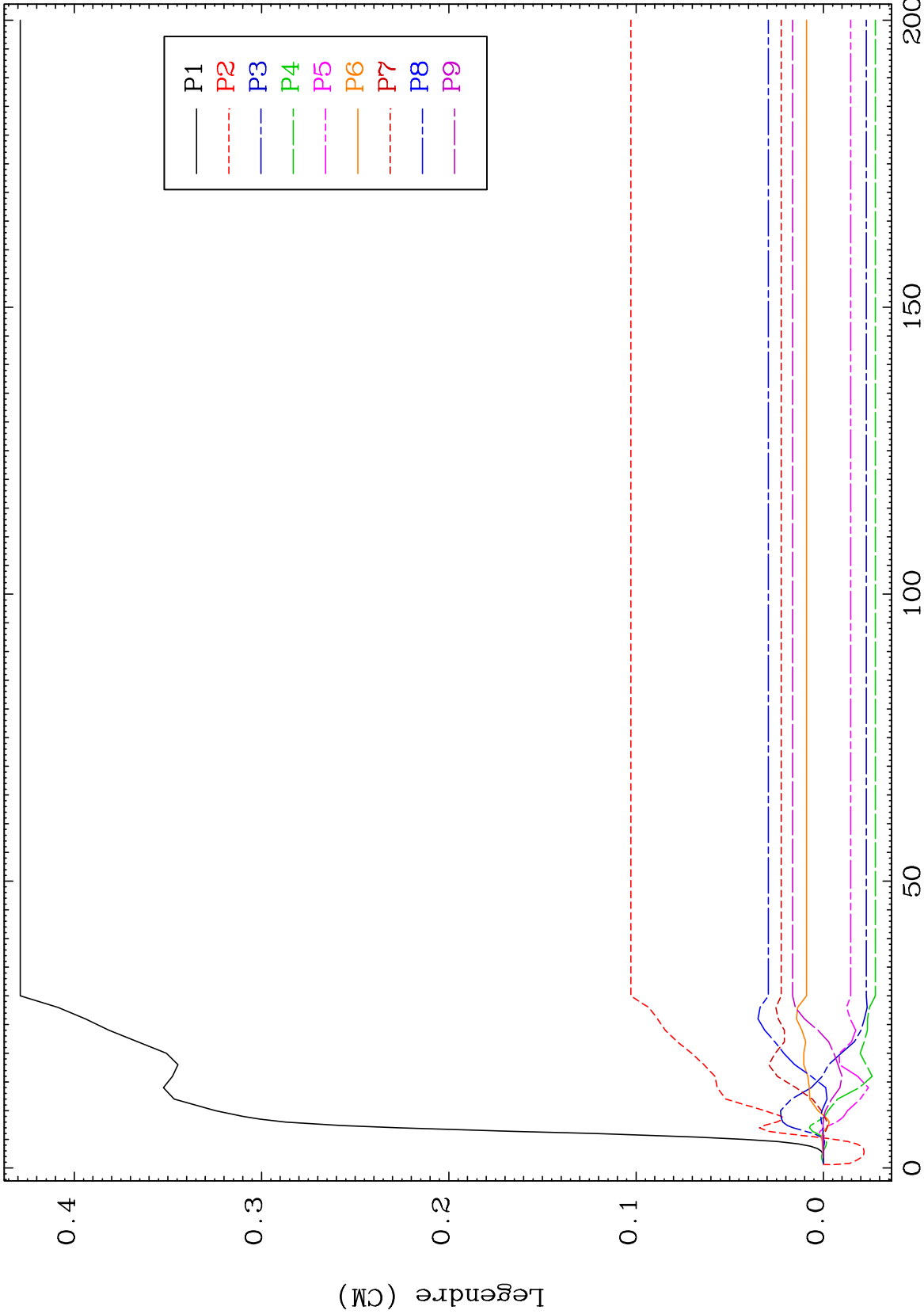
60-Nd-135



MAT 6004

MT= 62 (n,n') Level
Legendre Coefficients

60-Nd-135

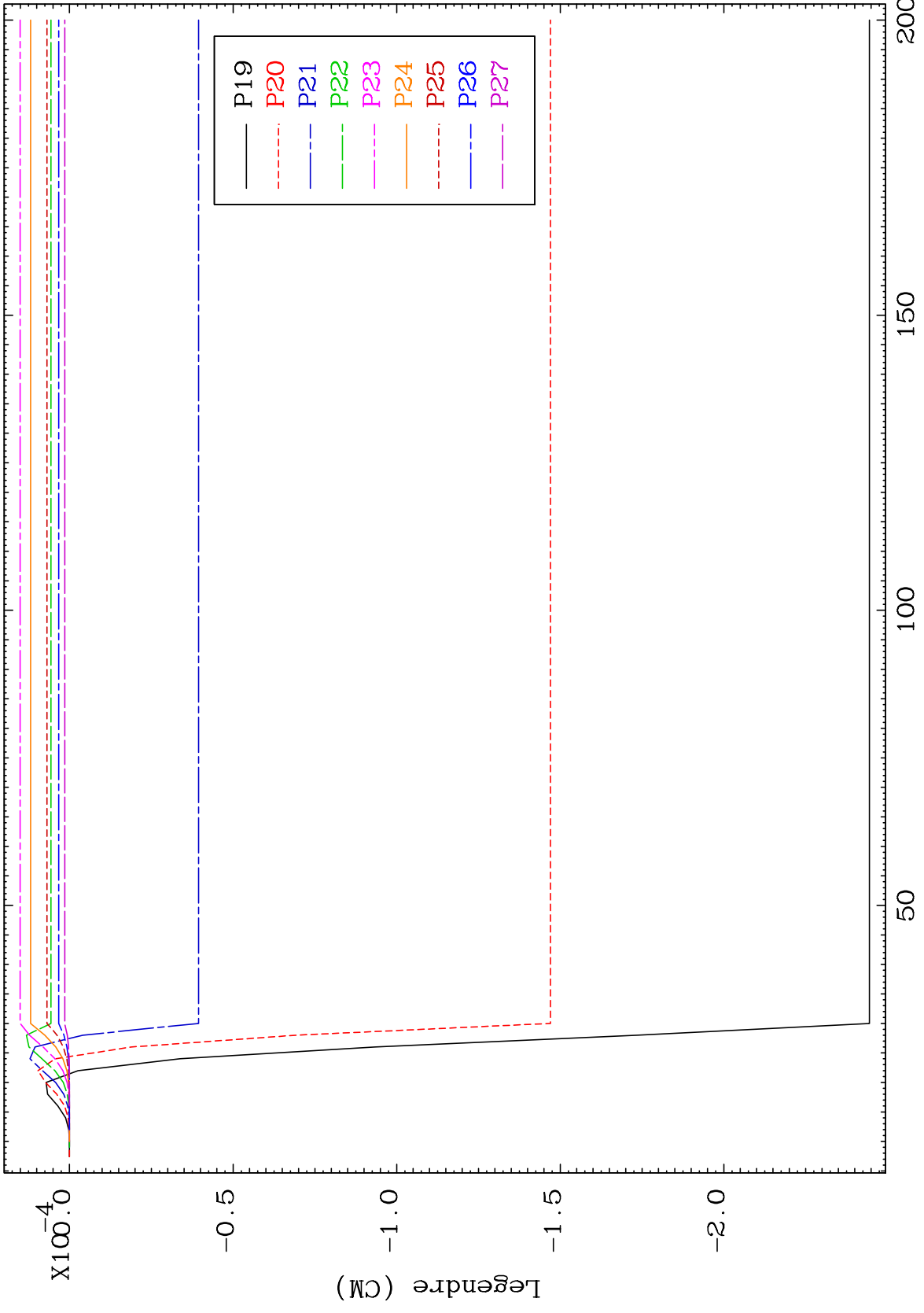


64

Incident Energy (MeV)

60-Nd-135

MAT 6004 MT= 62 (n,n') Level Legendre Coefficients 60-Nd-135

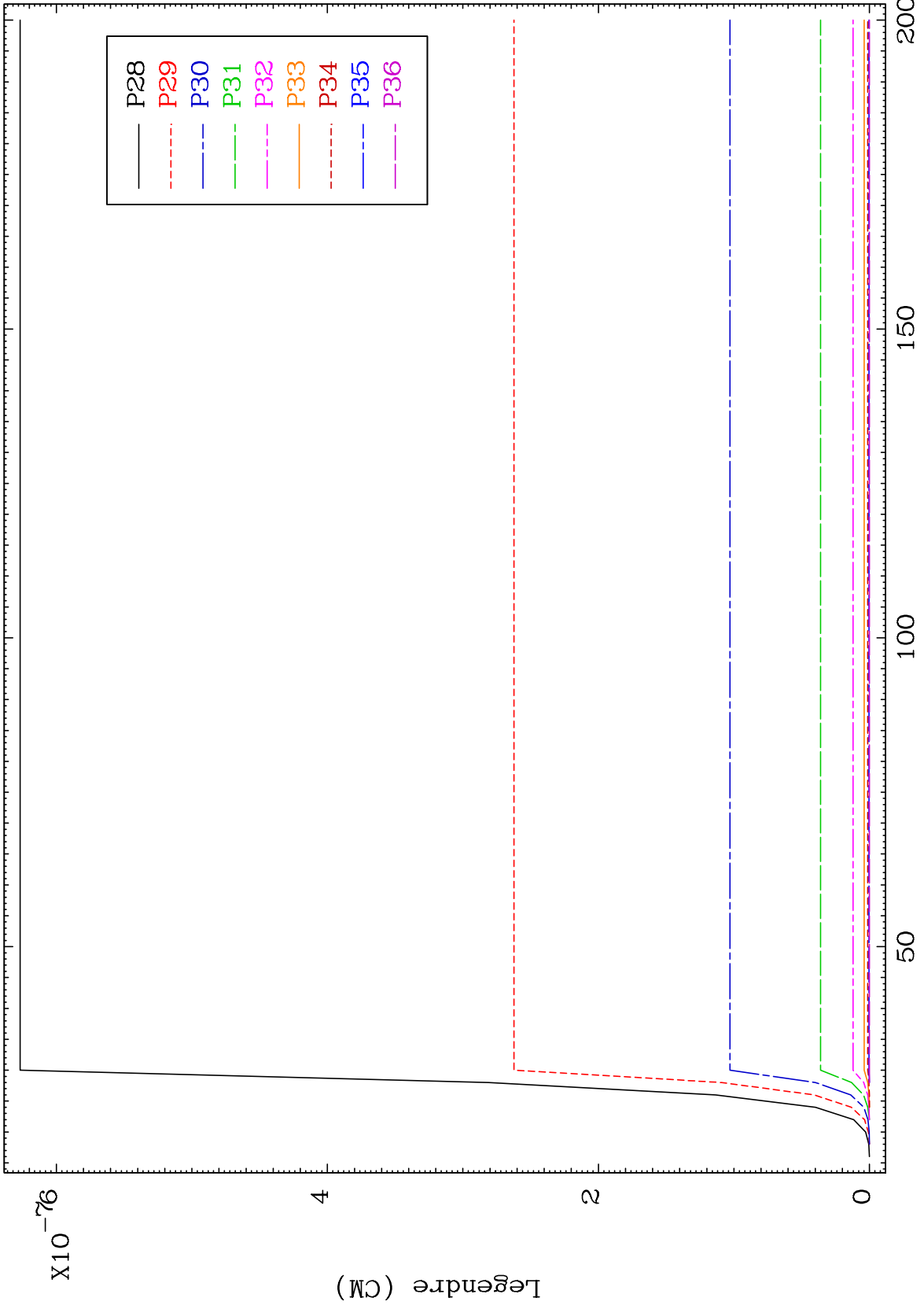


66 60-Nd-135

MAT 6004

MT= 62 (n,n') Level
Legendre Coefficients

60-Nd-135

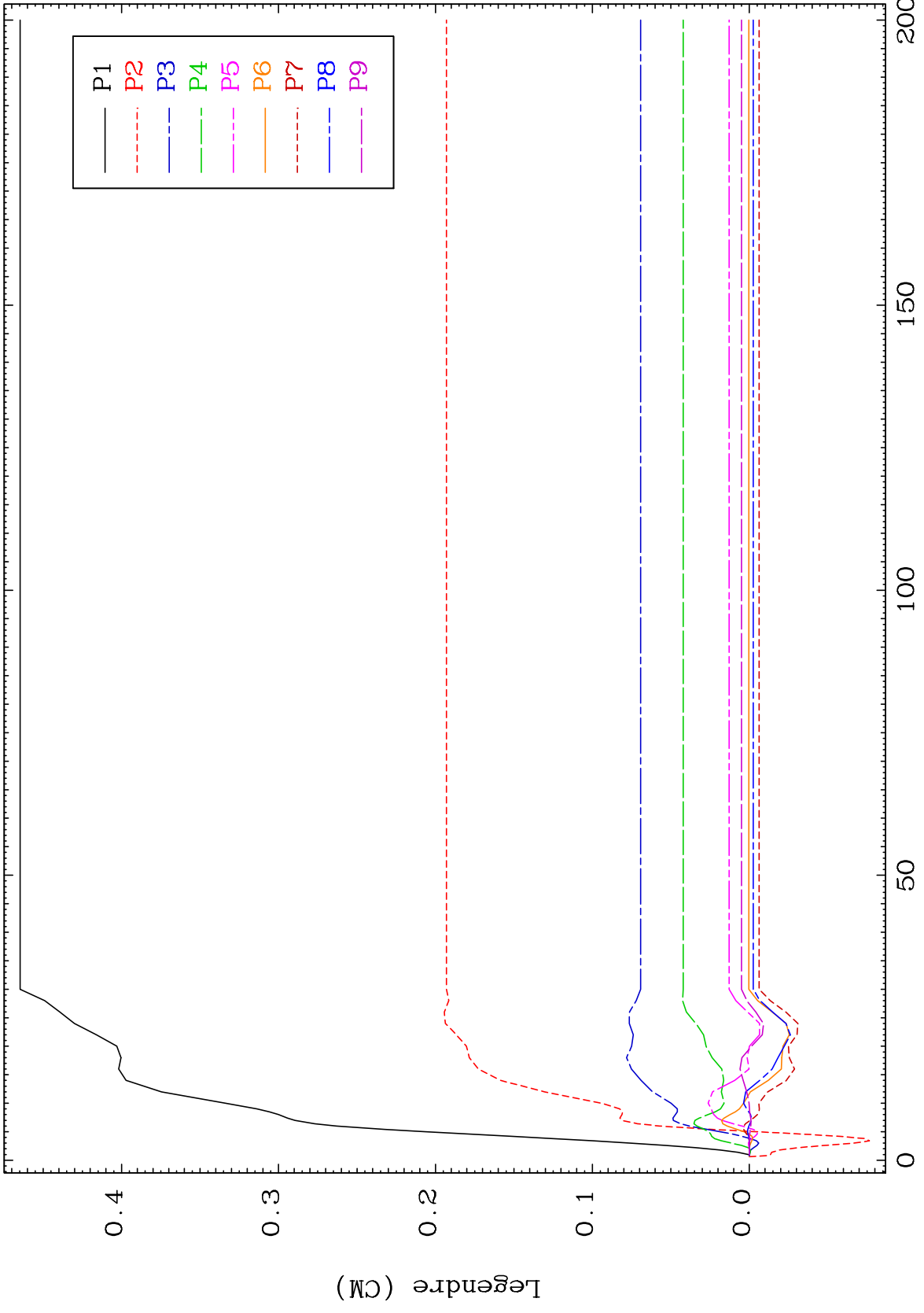


67

Incident Energy (MeV)

60-Nd-135

MAT 6004 MT= 63 (n,n') Level Legendre Coefficients 60-Nd-135

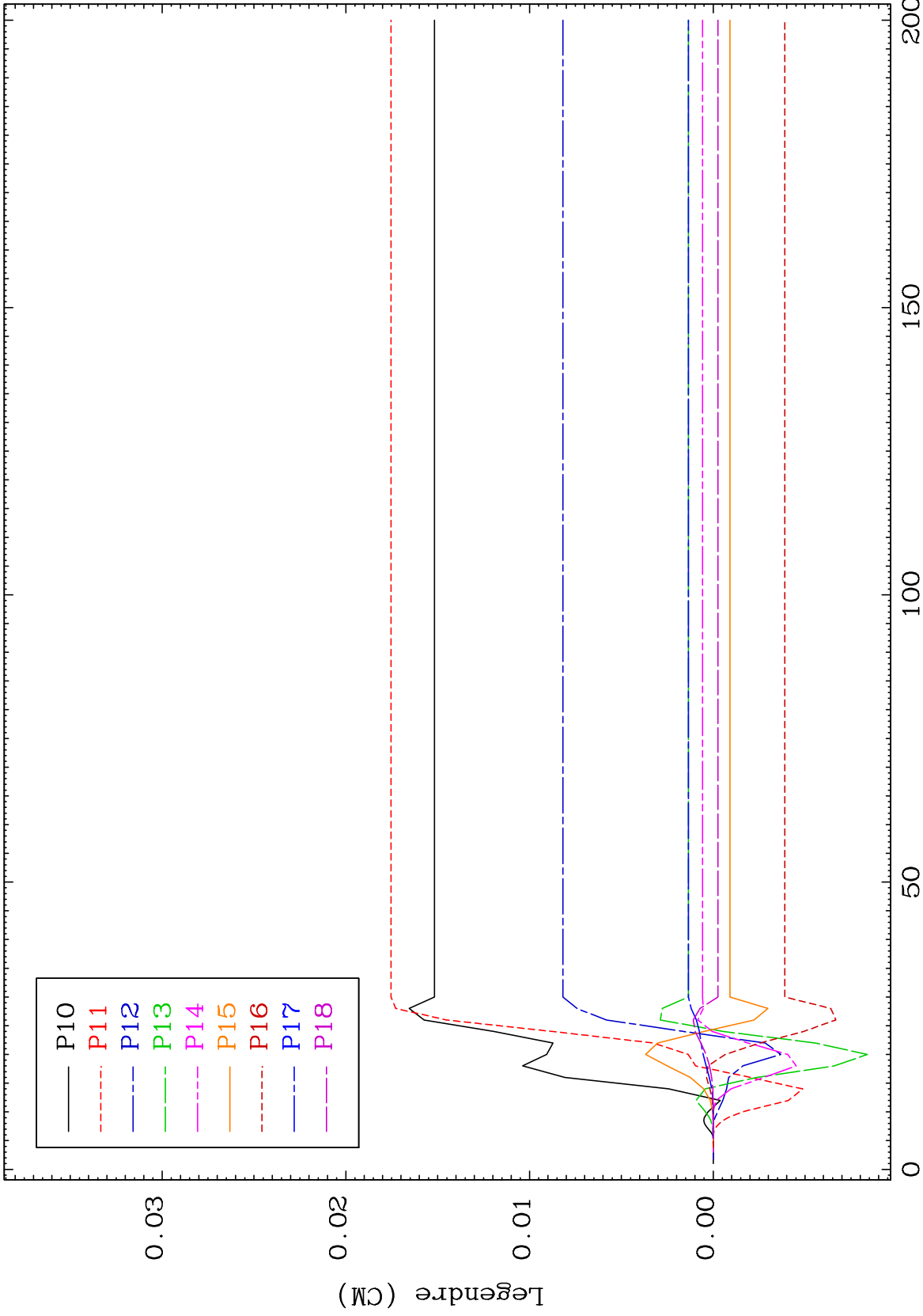


68 60-Nd-135

MAT 6004

MT= 63 (n,n') Level
Legendre Coefficients

60-Nd-135



69

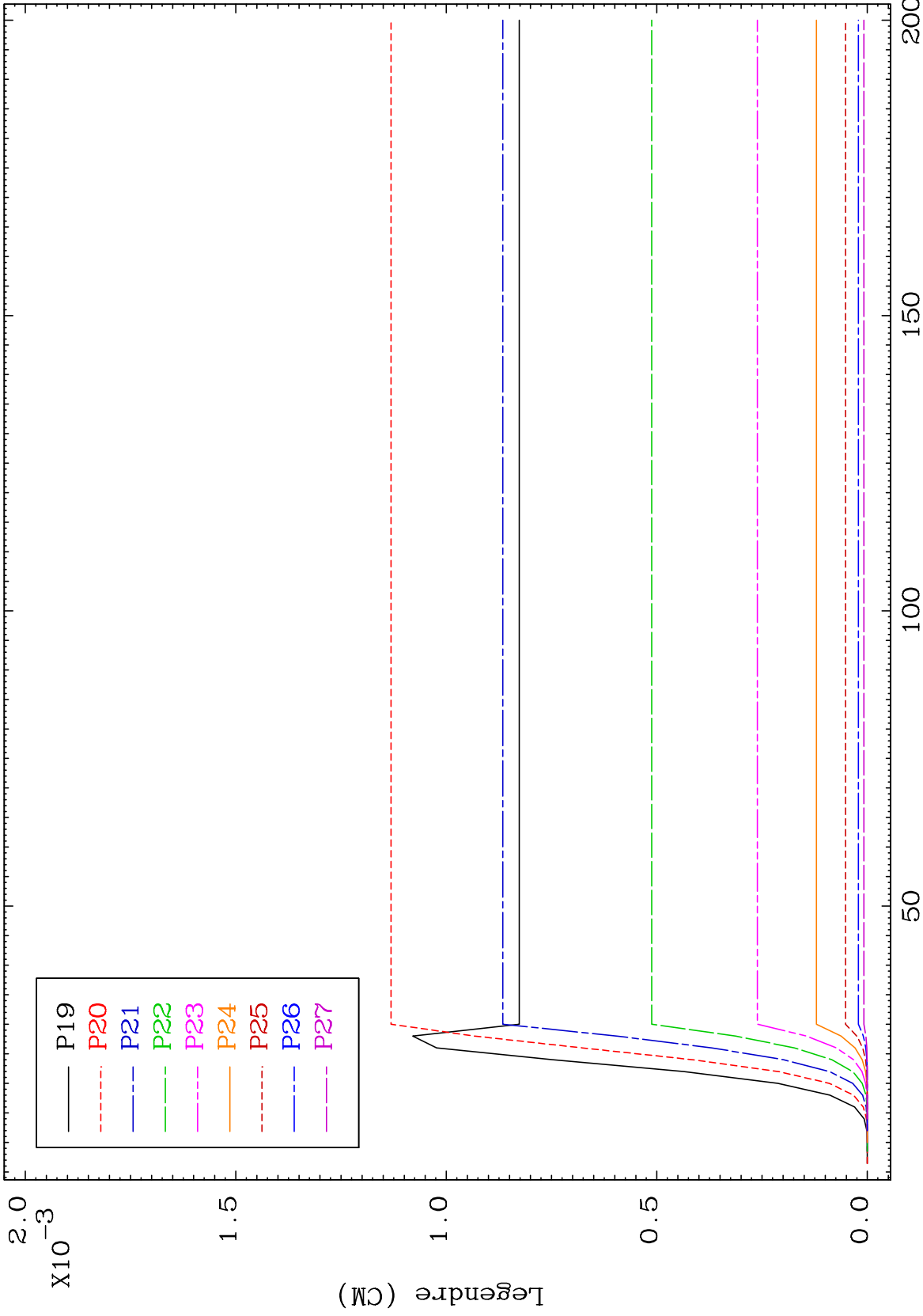
Incident Energy (MeV)

60-Nd-135

MAT 6004

MT= 63 (n,n') Level
Legendre Coefficients

60-Nd-135



70

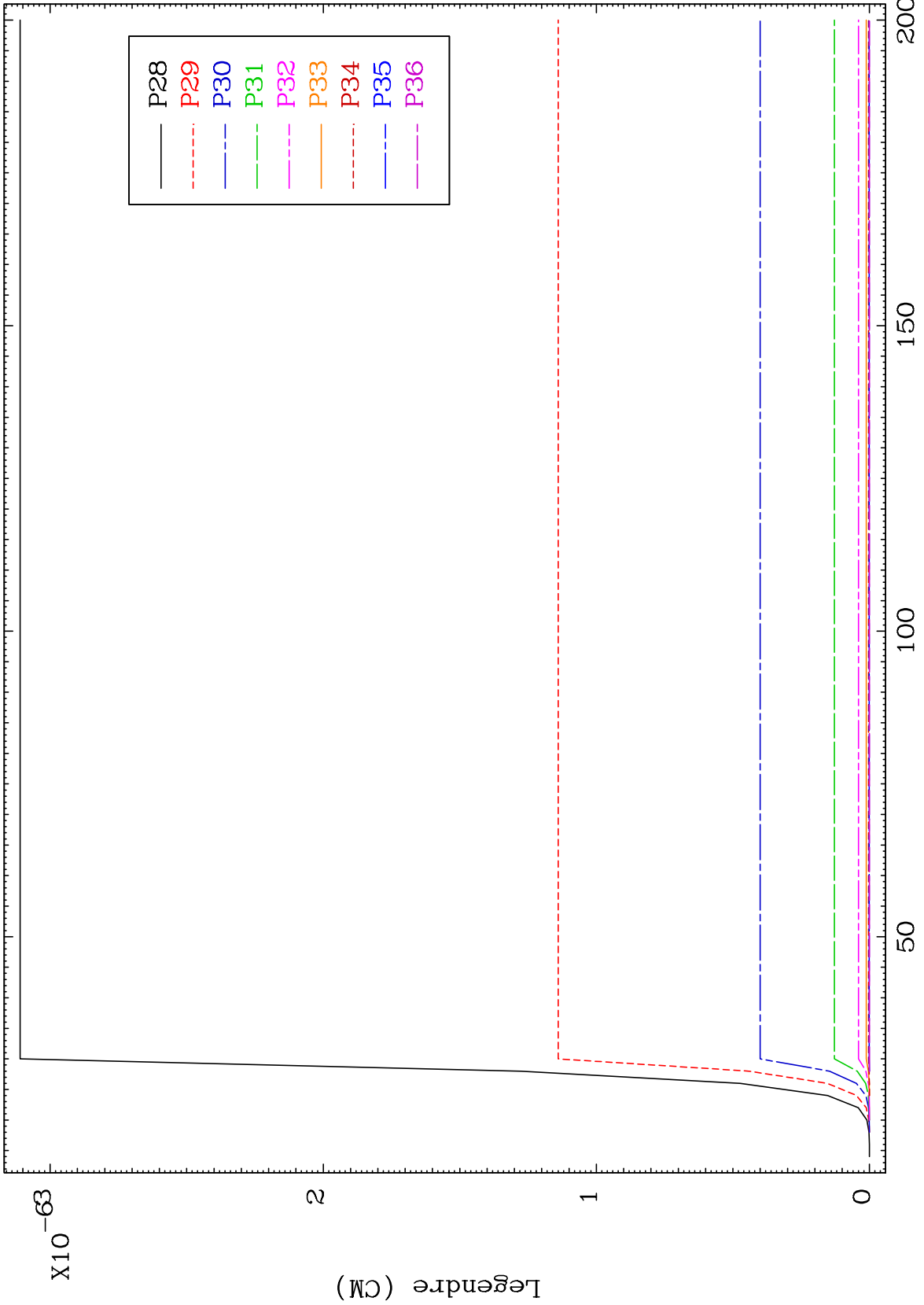
Incident Energy (MeV)

60-Nd-135

MAT 6004

MT= 63 (n,n') Level
Legendre Coefficients

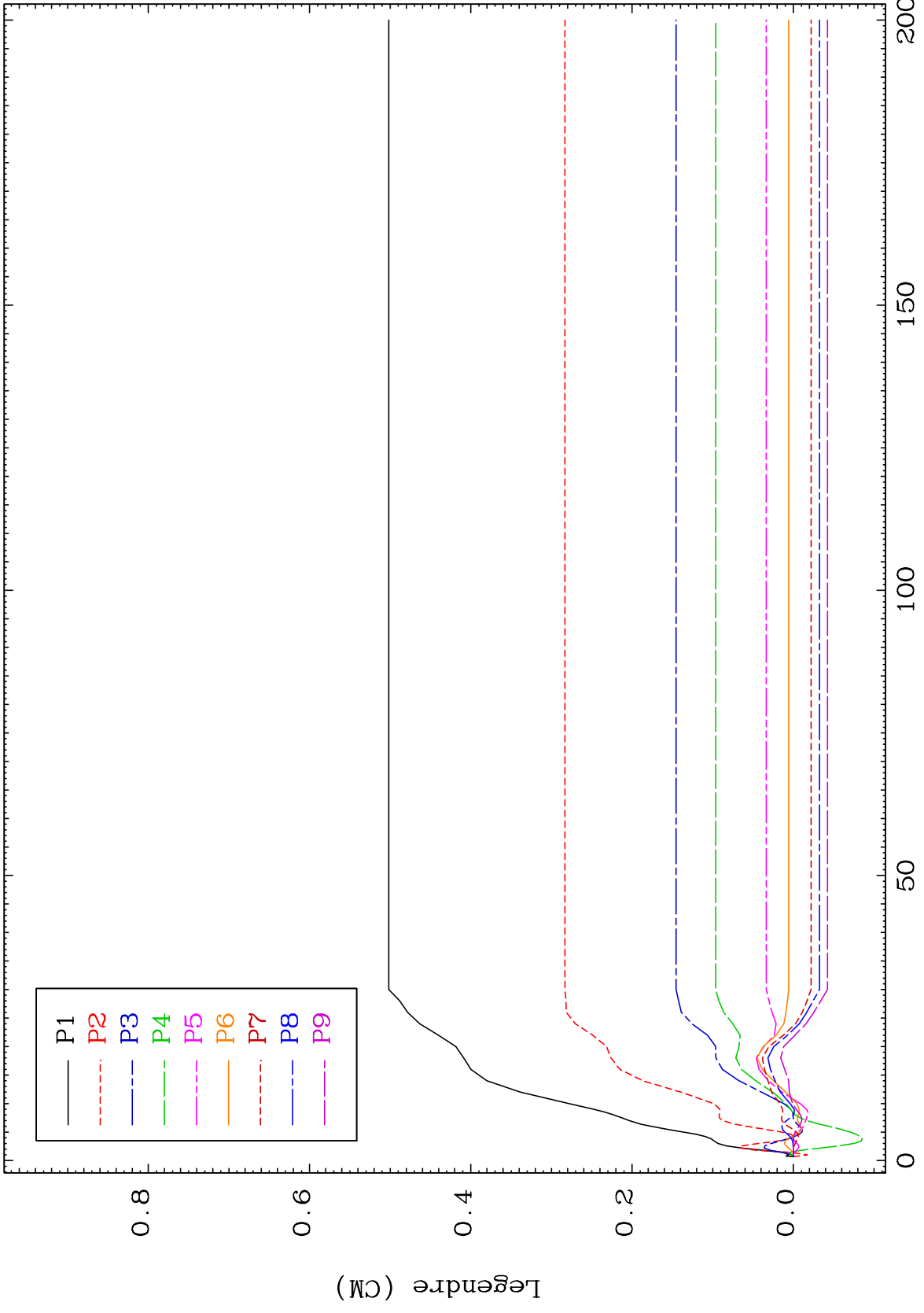
60-Nd-135



71

60-Nd-135

MAT 6004 MT= 64 (n,n') Level Legendre Coefficients 60-Nd-135

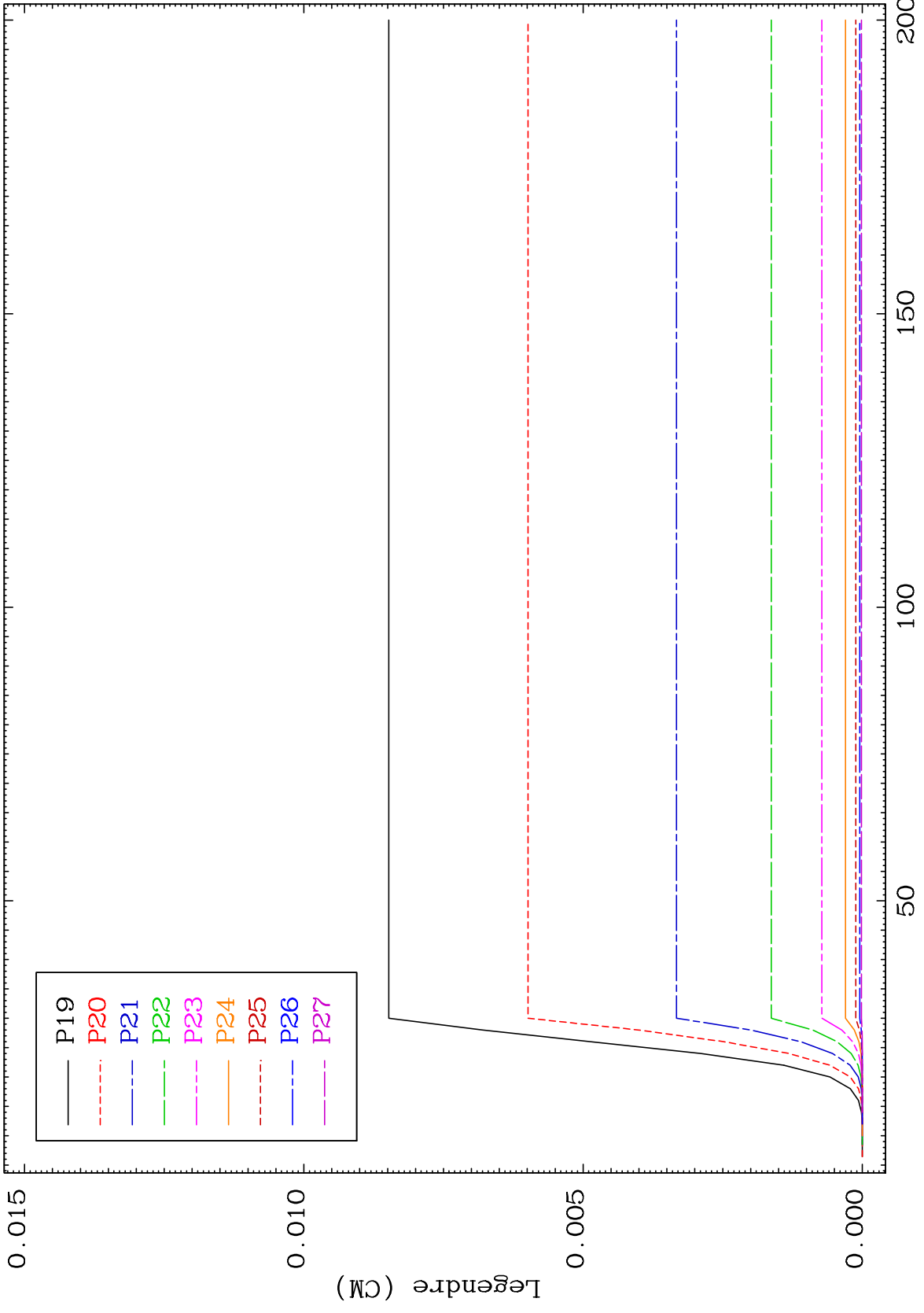


72 60-Nd-135

MAT 6004

MT= 64 (n,n') Level
Legendre Coefficients

60-Nd-135



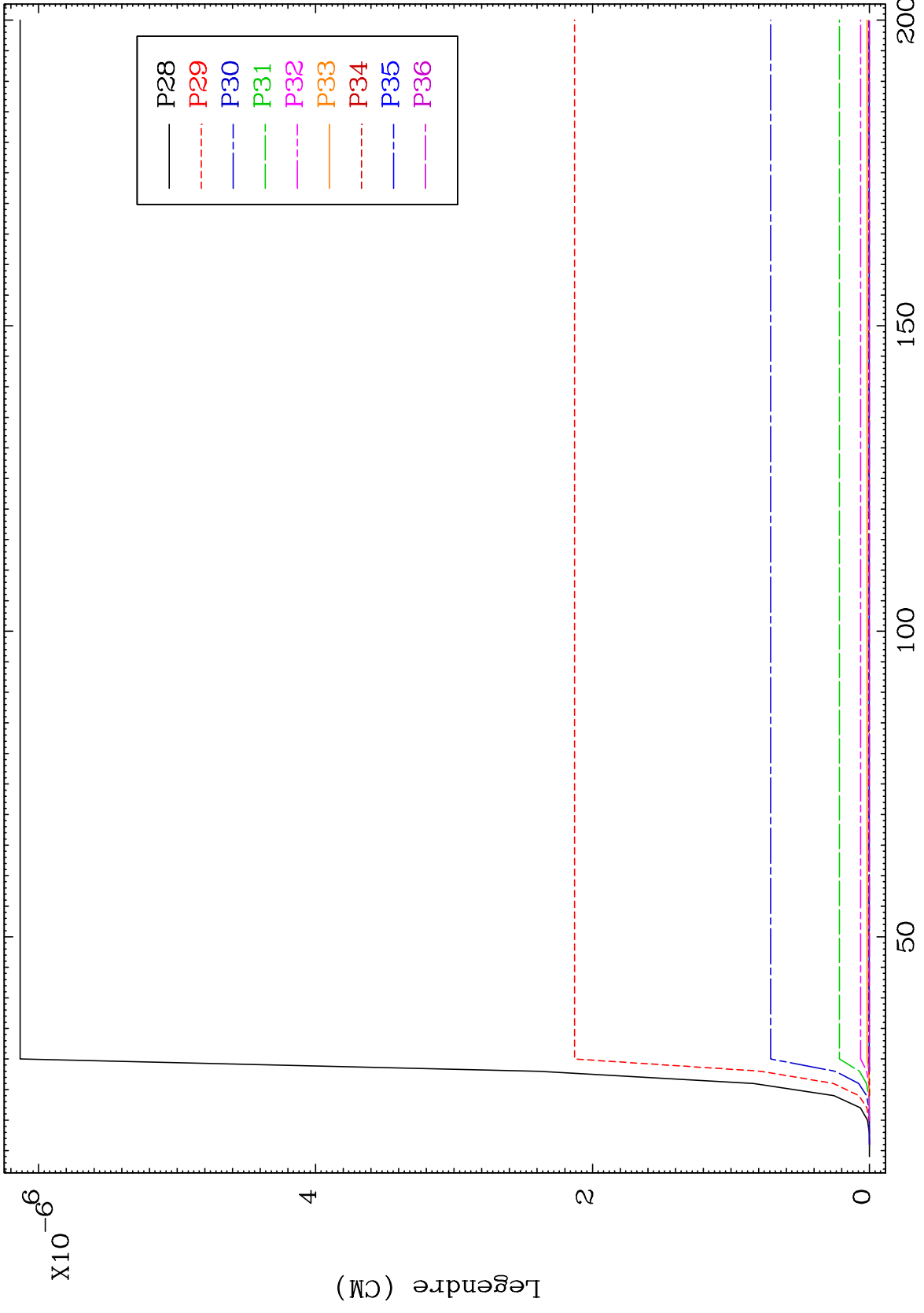
74

60-Nd-135

MAT 6004

MT= 64 (n,n') Level
Legendre Coefficients

60-Nd-135

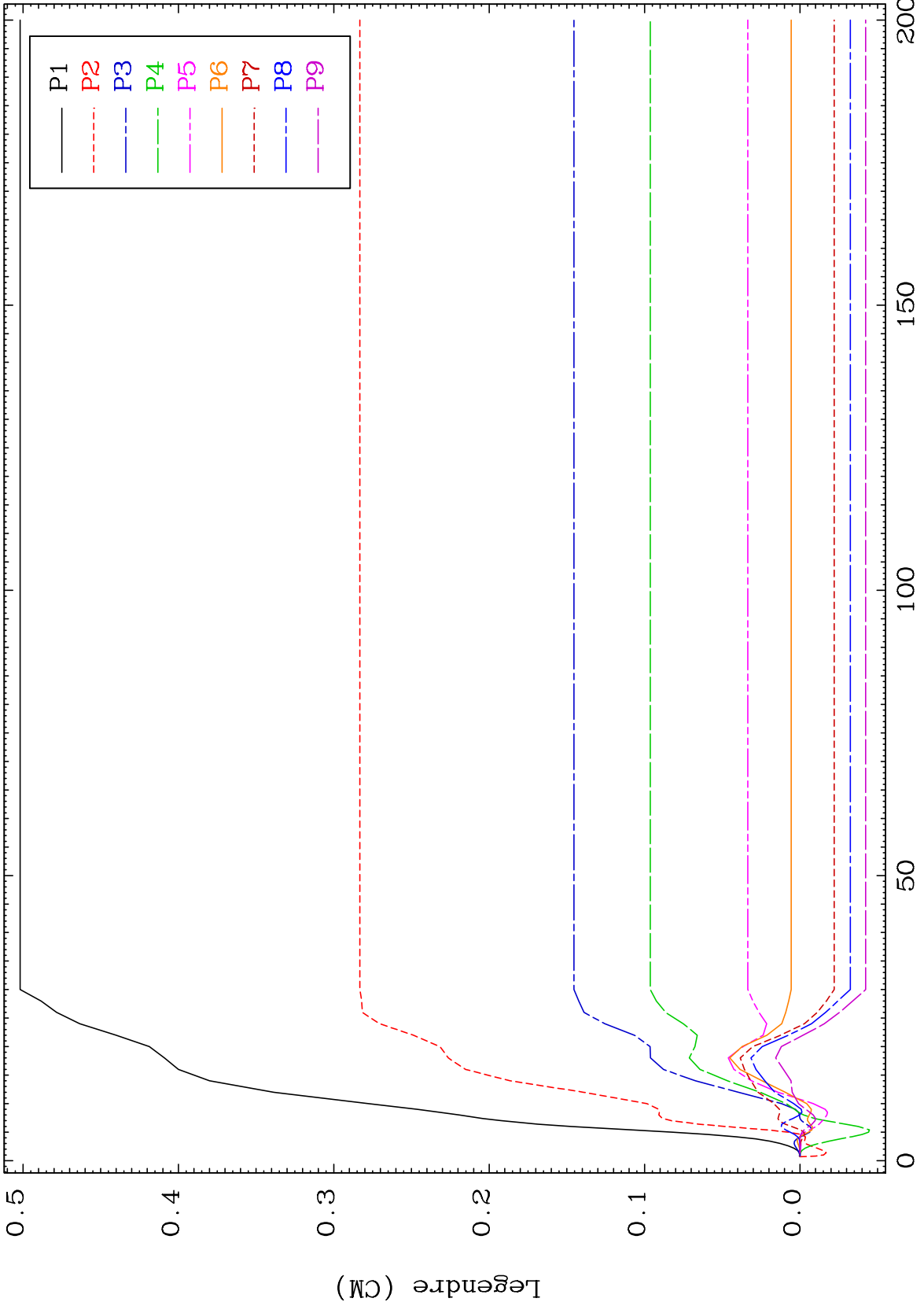


75

Incident Energy (MeV)

60-Nd-135

MAT 6004 MT= 65 (n,n') Level Legendre Coefficients 60-Nd-135

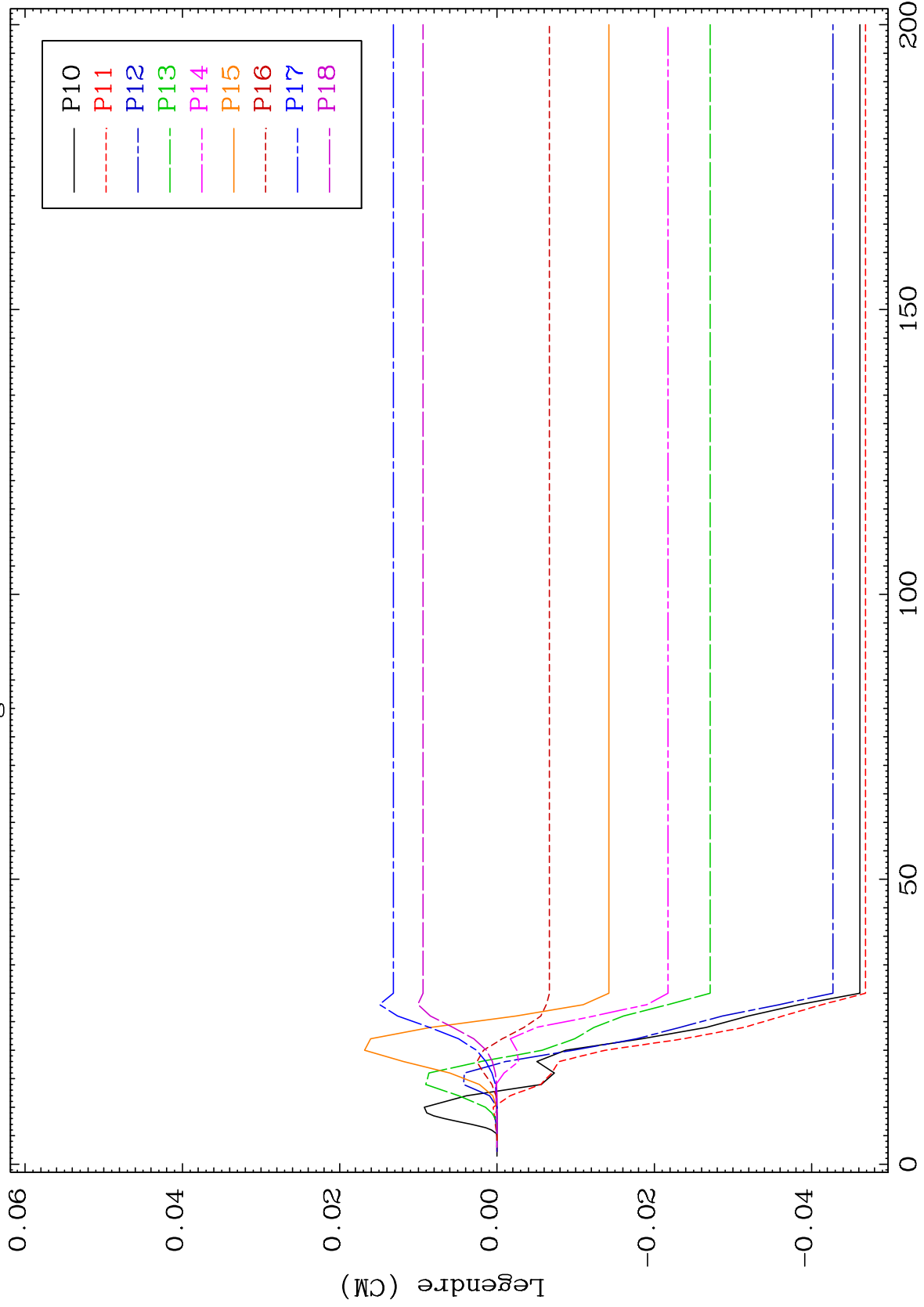


76 Incident Energy (MeV) 60-Nd-135

MAT 6004

MT= 65 (n,n') Level
Legendre Coefficients

60-Nd-135



77

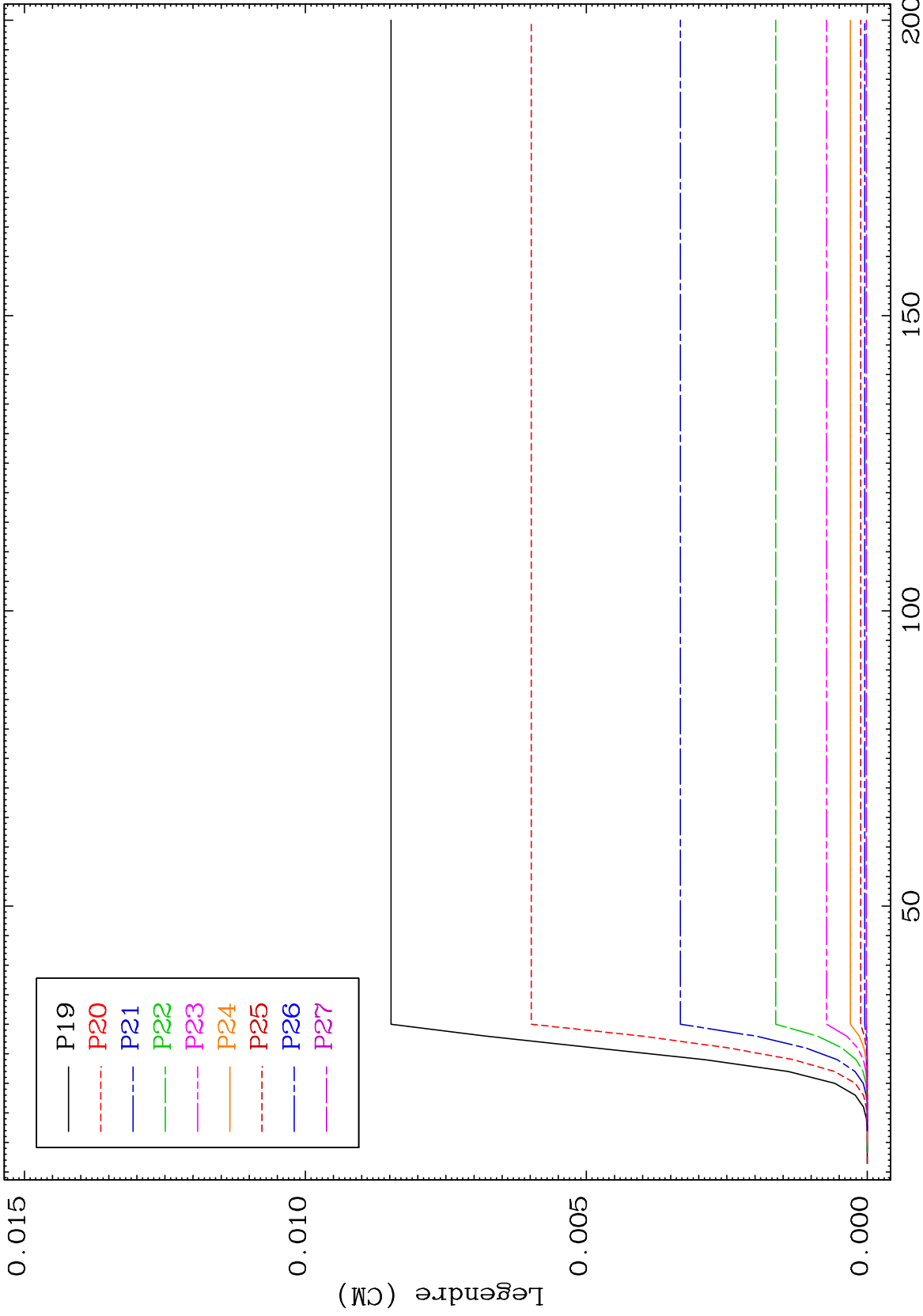
Incident Energy (MeV)

60-Nd-135

MAT 6004

MT= 65 (n,n') Level
Legendre Coefficients

60-Nd-135



78

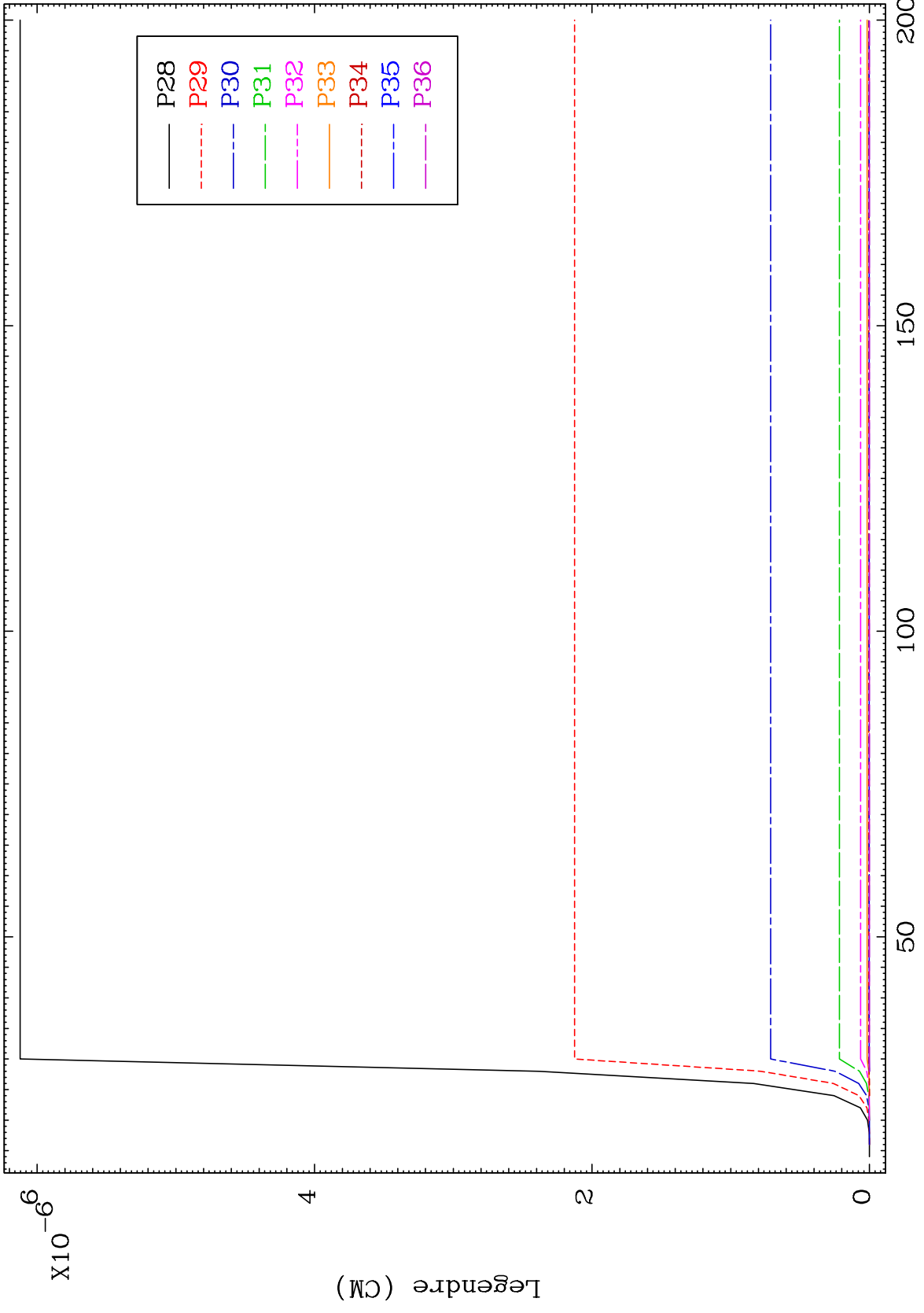
Incident Energy (MeV)

60-Nd-135

MAT 6004

MT= 65 (n,n') Level
Legendre Coefficients

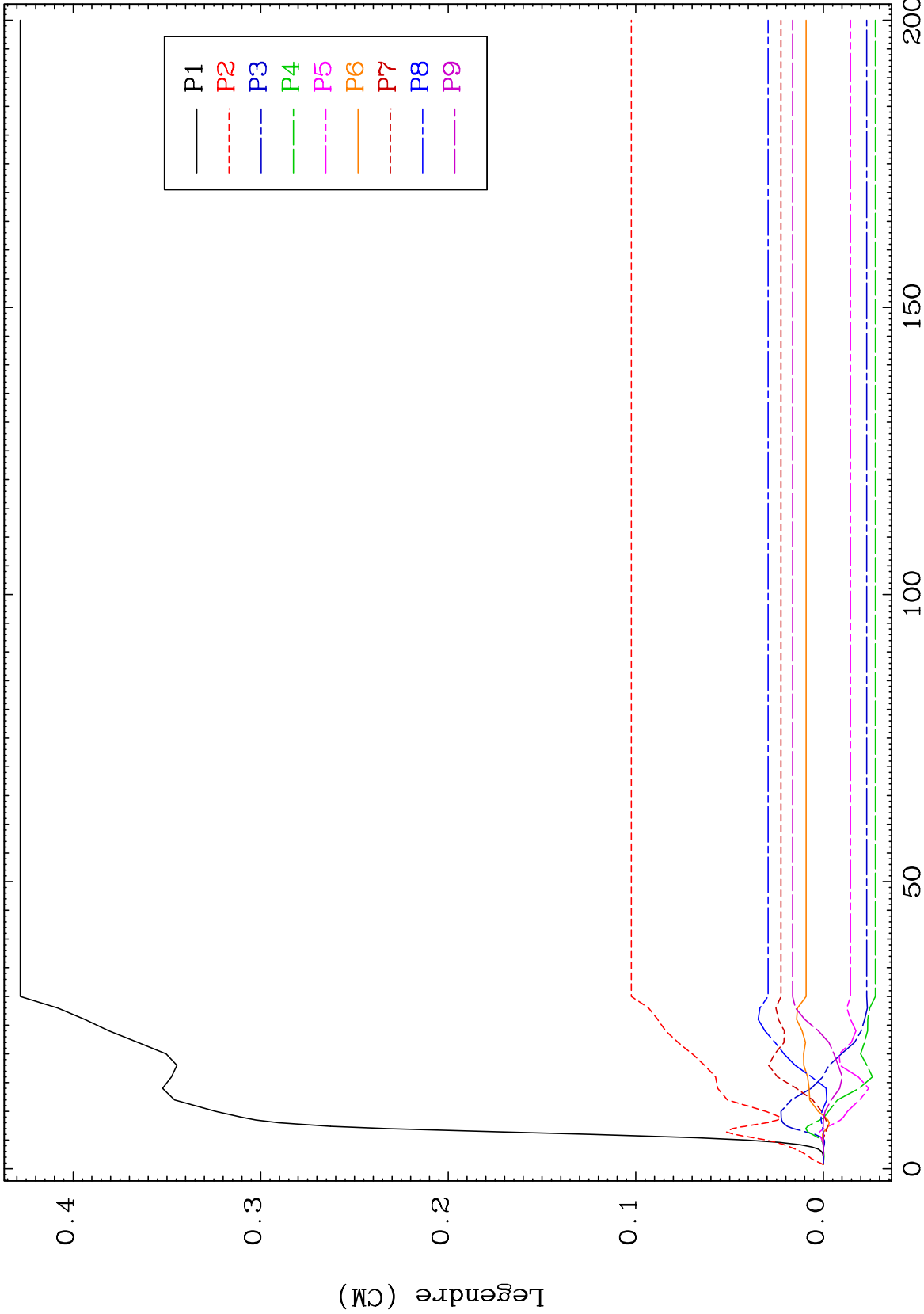
60-Nd-135



MAT 6004

MT= 66 (n,n') Level
Legendre Coefficients

60-Nd-135

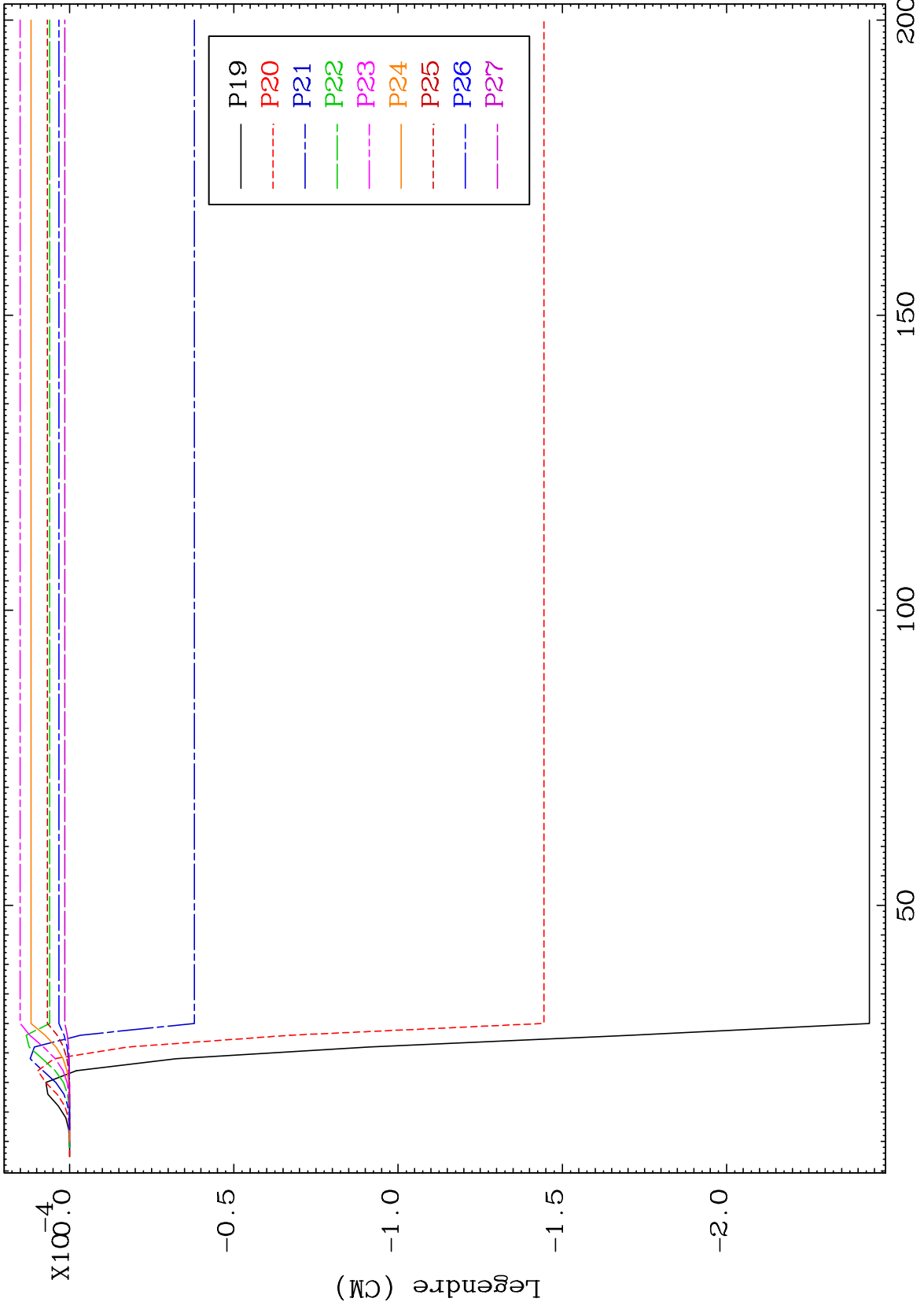


80

Incident Energy (MeV)

60-Nd-135

MAT 6004 MT= 66 (n,n') Level Legendre Coefficients 60-Nd-135

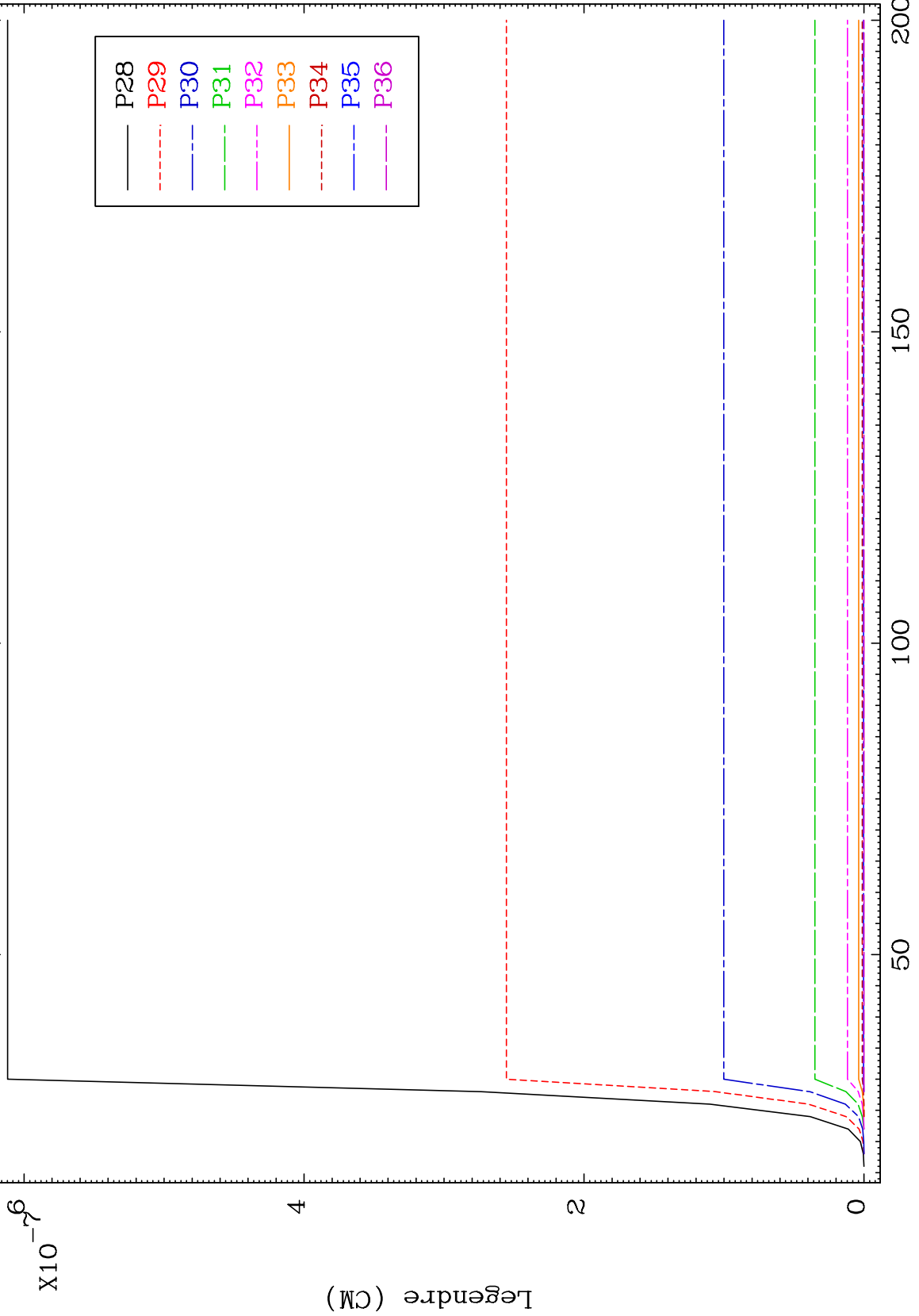


82 60-Nd-135

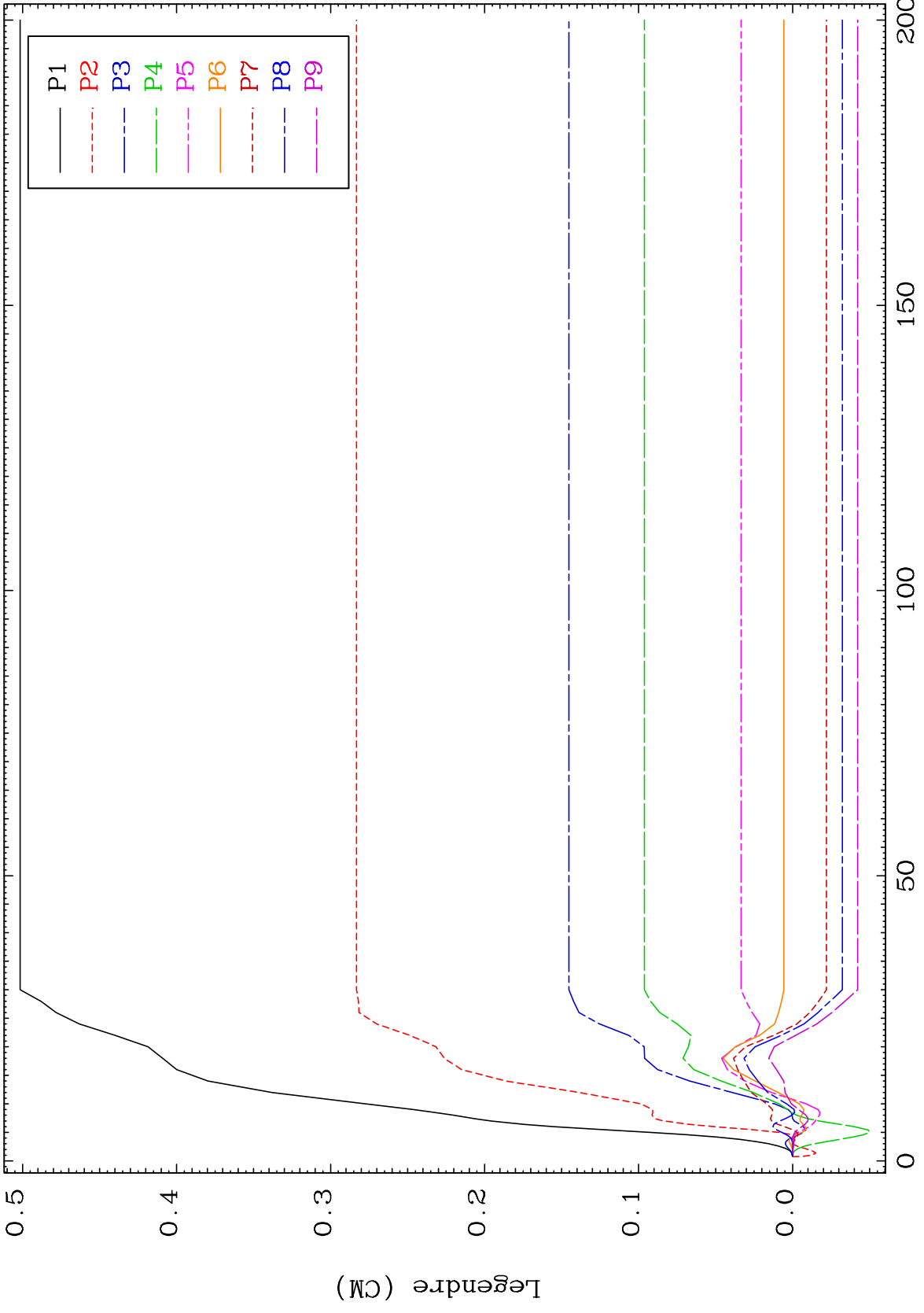
MAT 6004

MT= 66 (n,n') Level
Legendre Coefficients

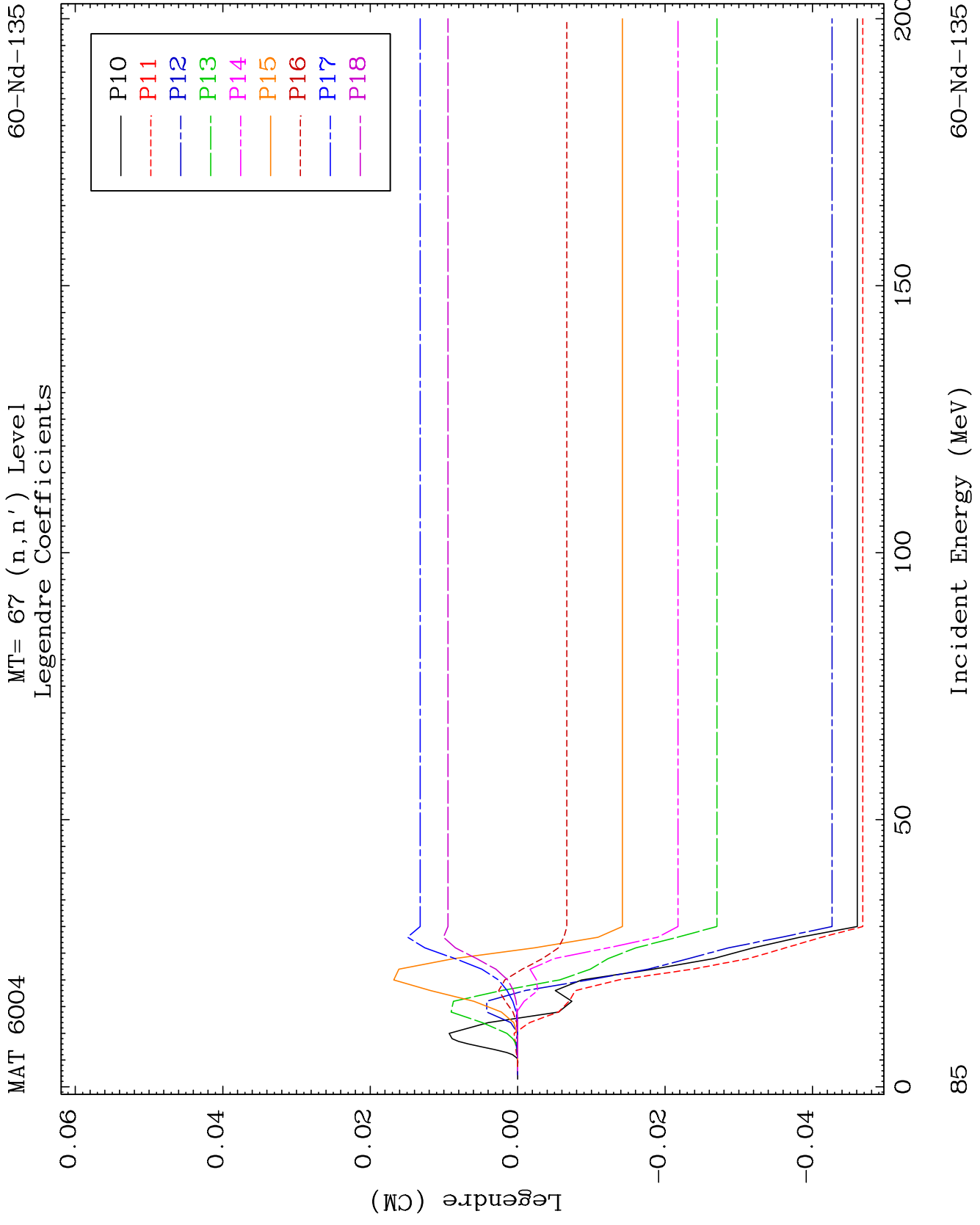
60-Nd-135



MAT 6004 MT= 67 (n,n') Level Legendre Coefficients 60-Nd-135



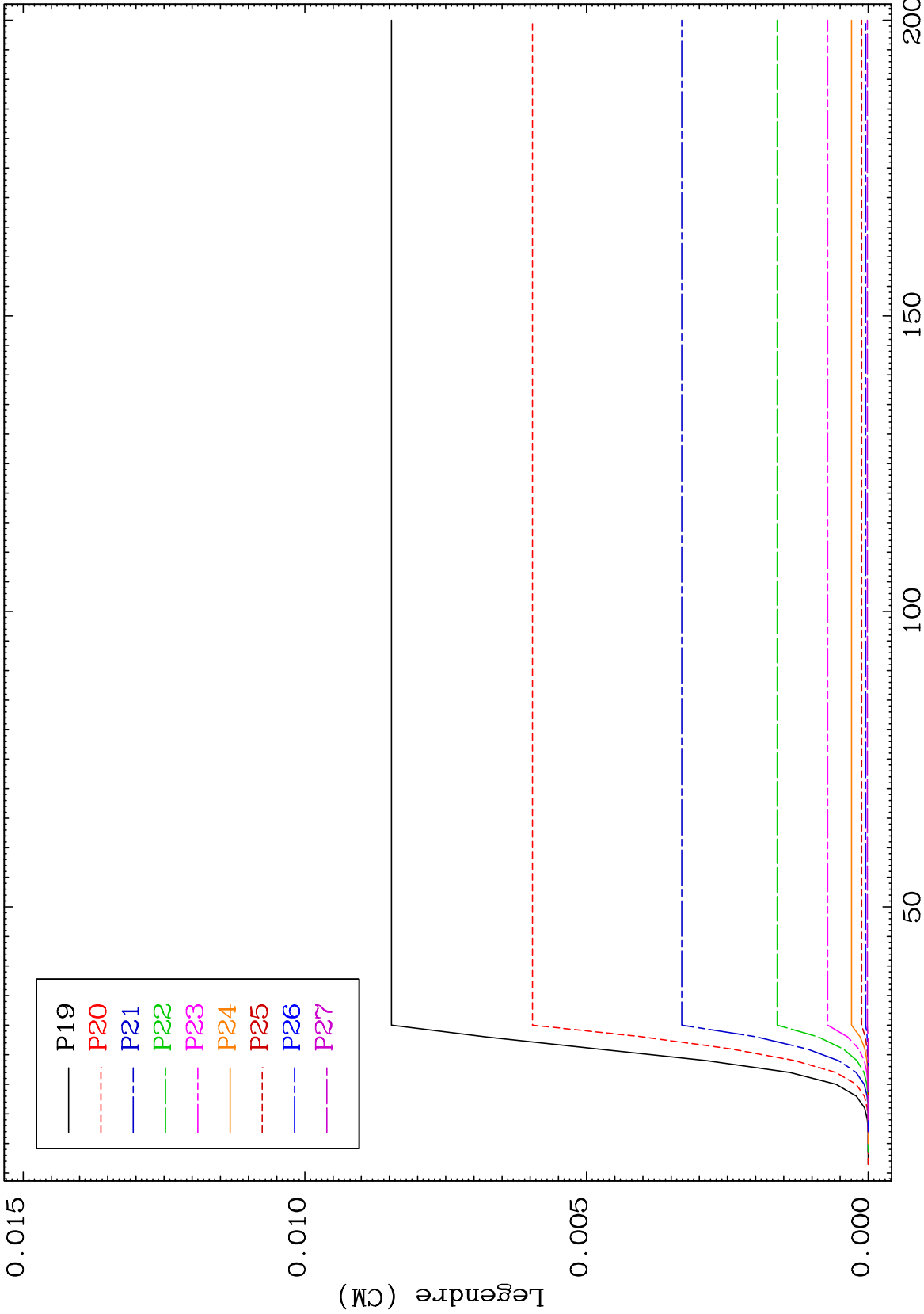
84 60-Nd-135



MAT 6004

MT= 67 (n,n') Level
Legendre Coefficients

60-Nd-135



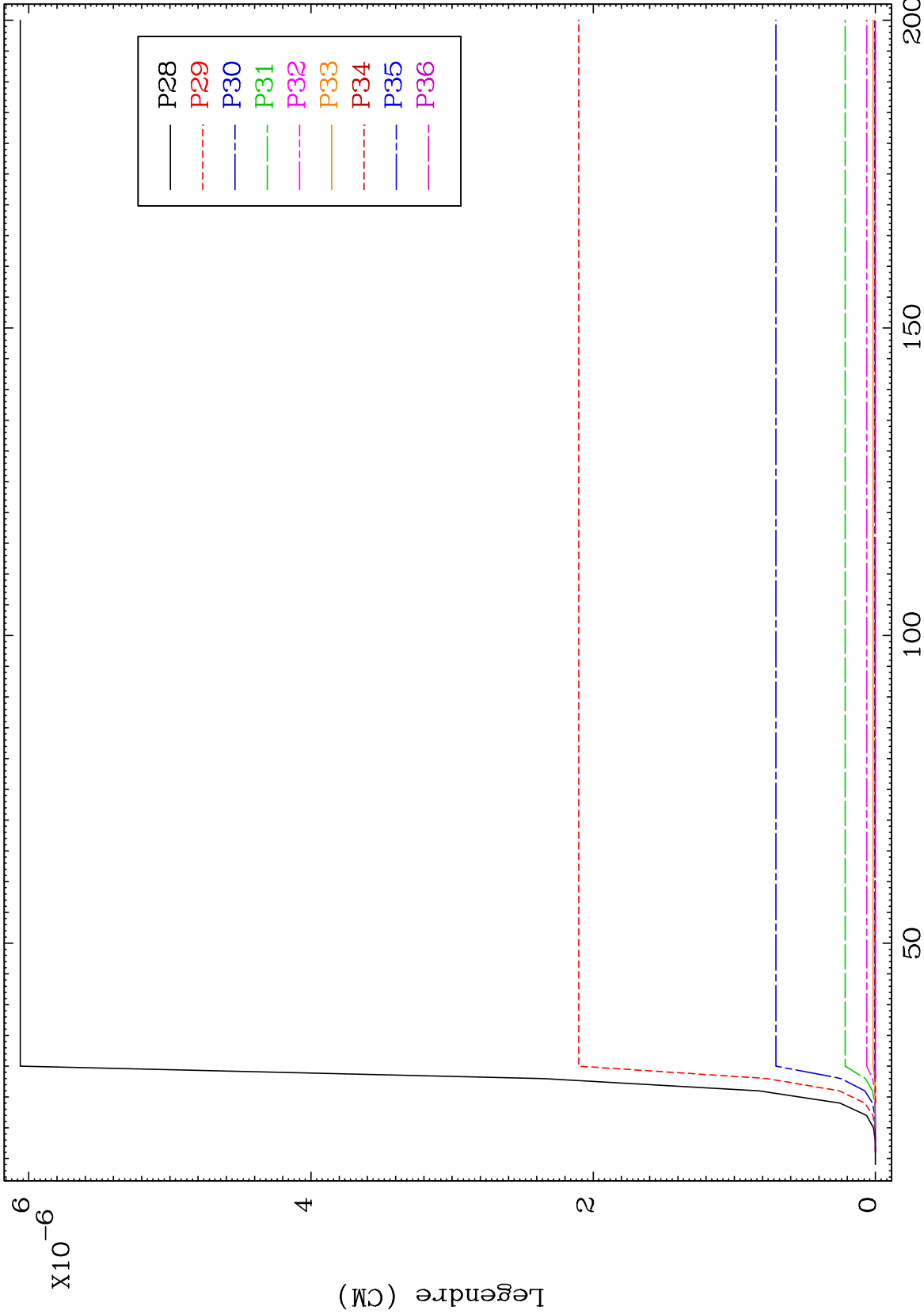
86

60-Nd-135

MAT 6004

MT= 67 (n,n') Level
Legendre Coefficients

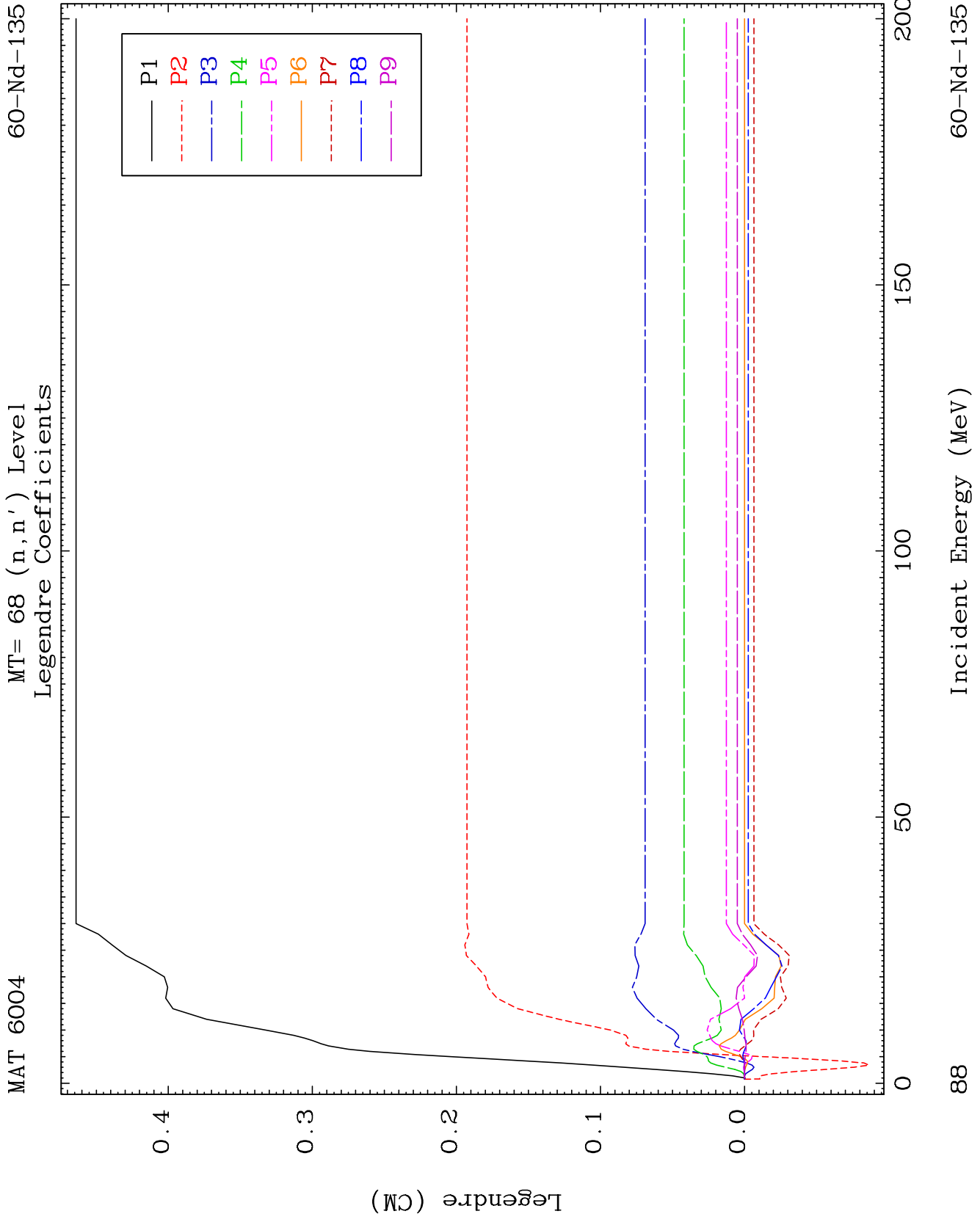
60-Nd-135



87

Incident Energy (MeV)

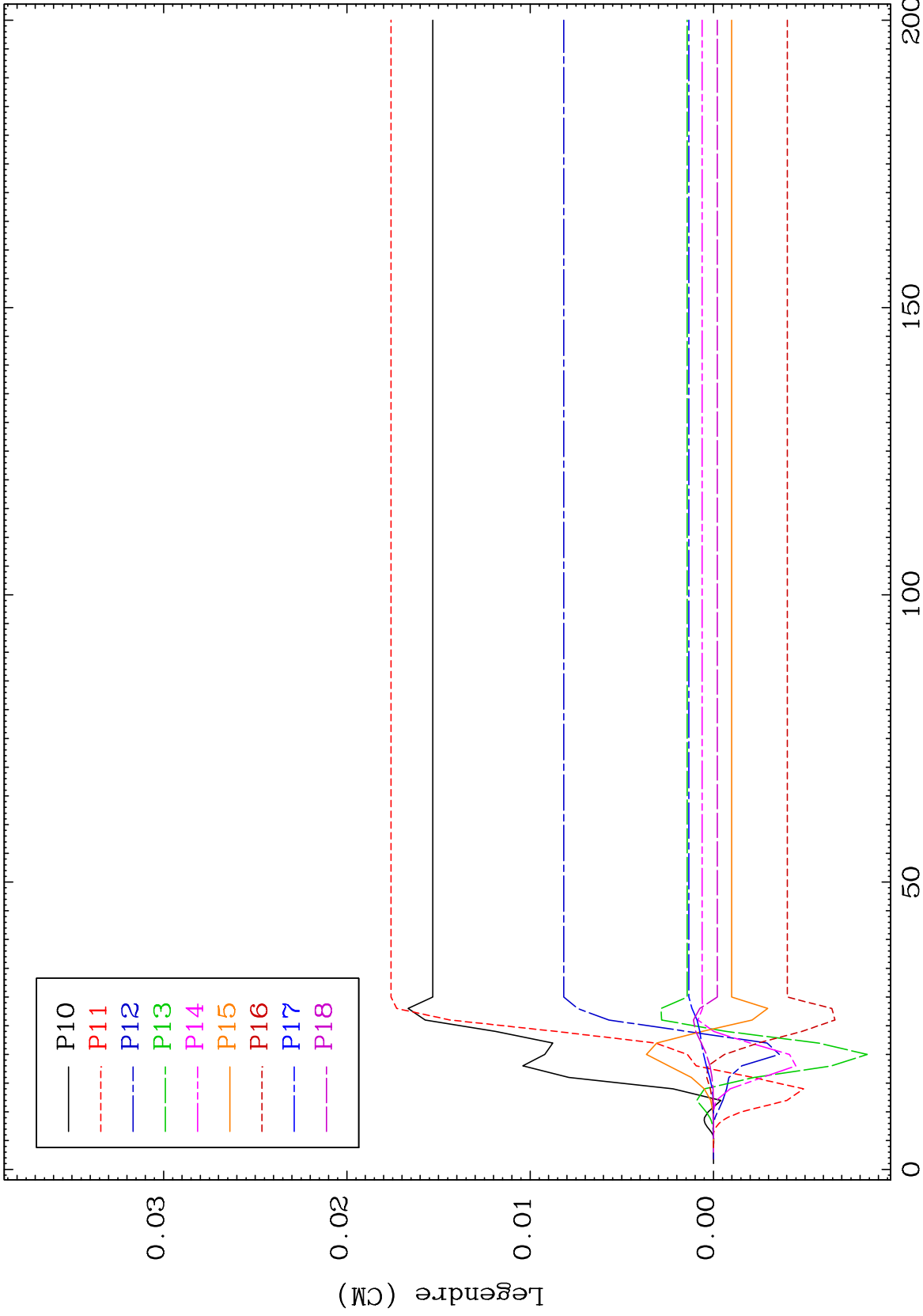
60-Nd-135



MAT 6004

MT= 68 (n,n') Level
Legendre Coefficients

60-Nd-135

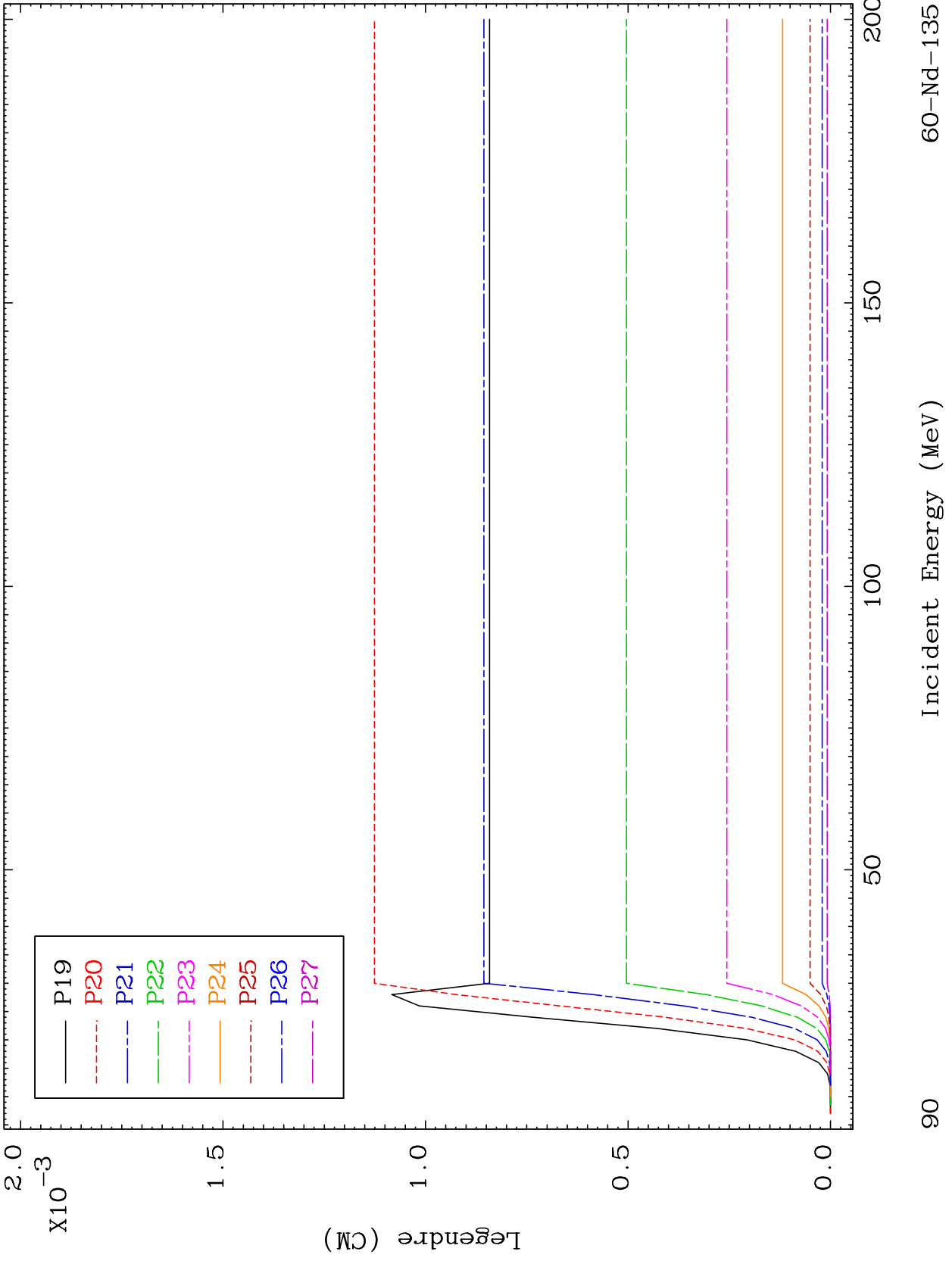


89

Incident Energy (MeV)

60-Nd-135

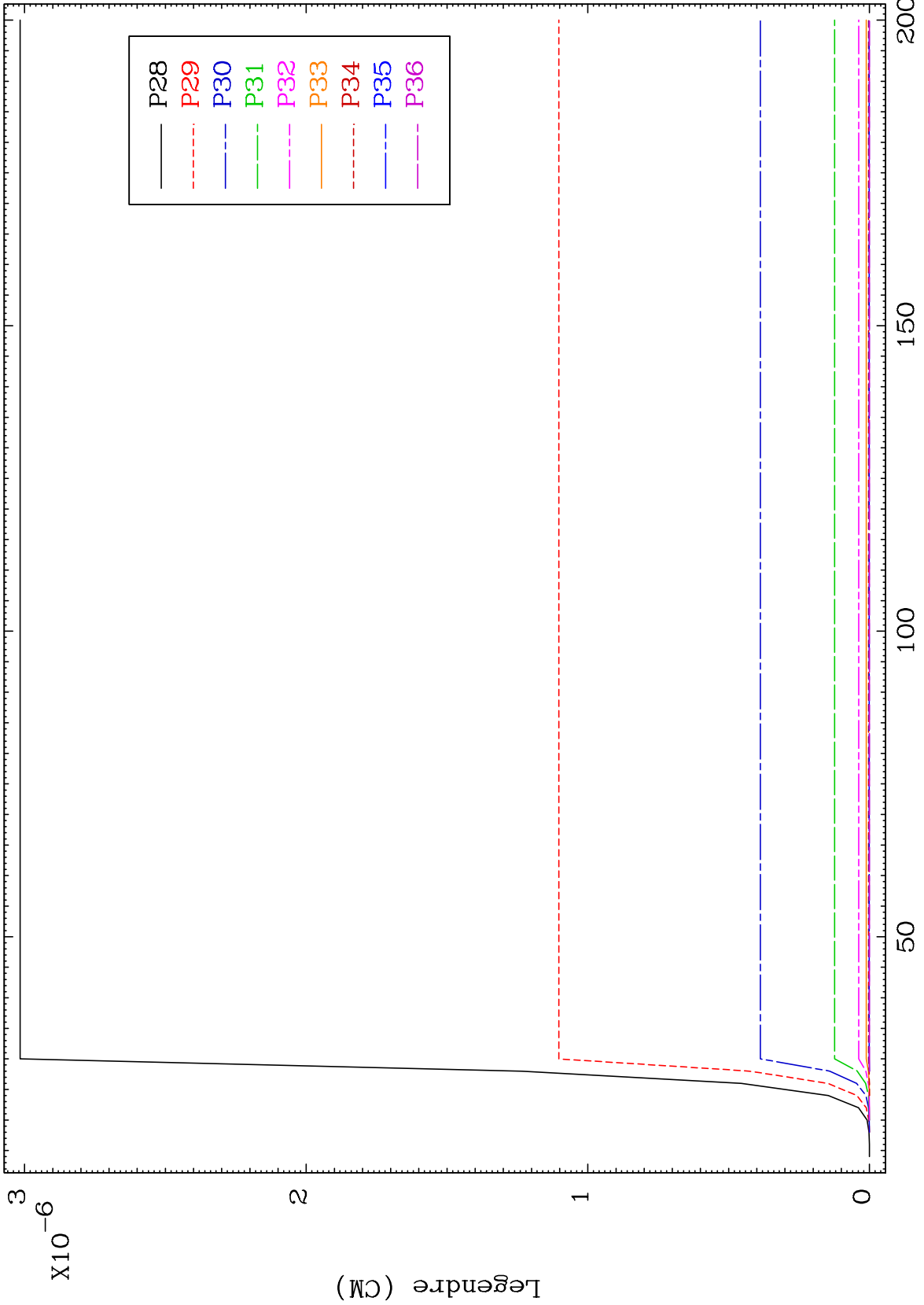
MAT 6004 MT= 68 (n,n') Level Legendre Coefficients 60-Nd-135



MAT 6004

MT= 68 (n,n') Level
Legendre Coefficients

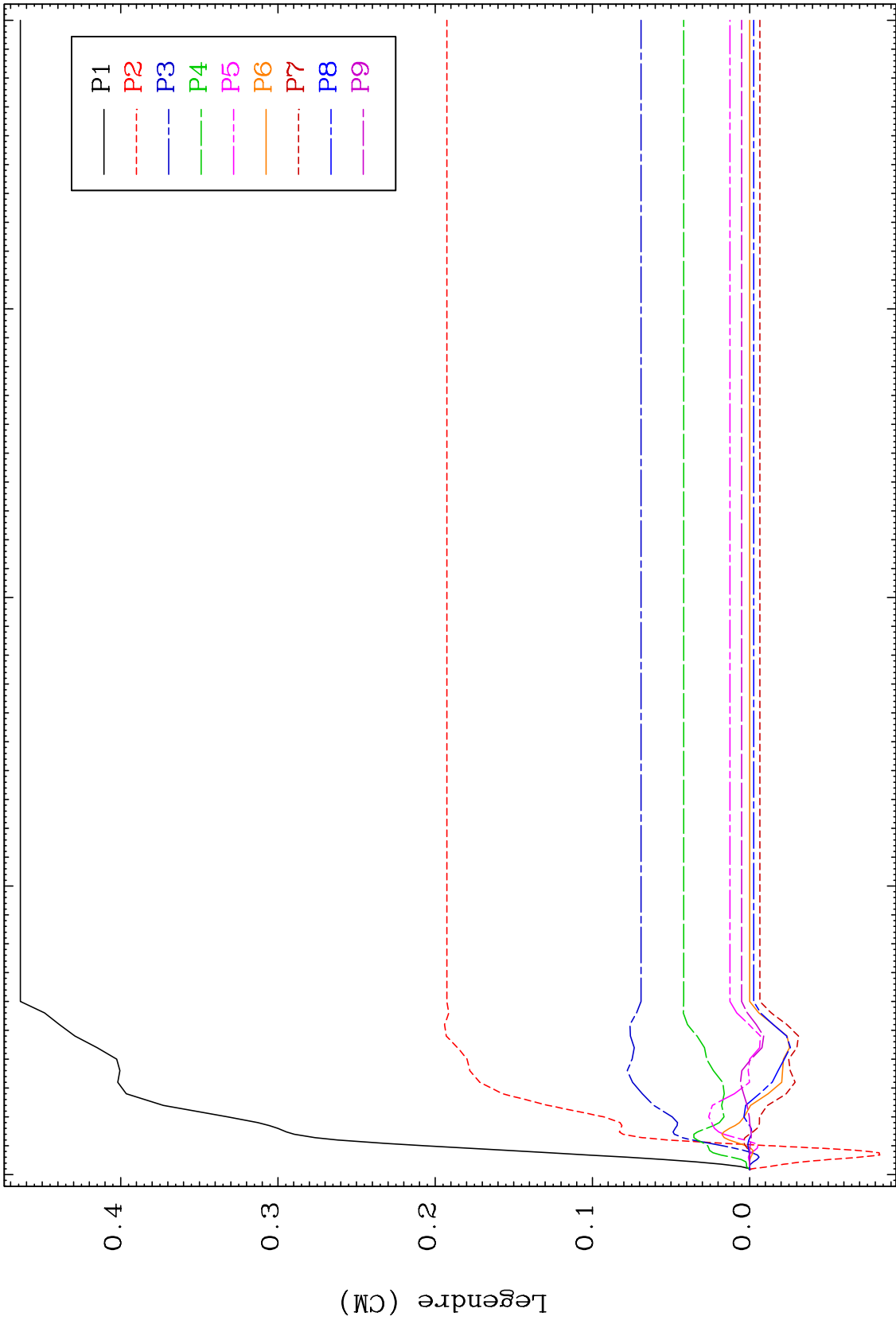
60-Nd-135



91

60-Nd-135

MAT 6004 MT= 69 (n,n') Level Legendre Coefficients 60-Nd-135

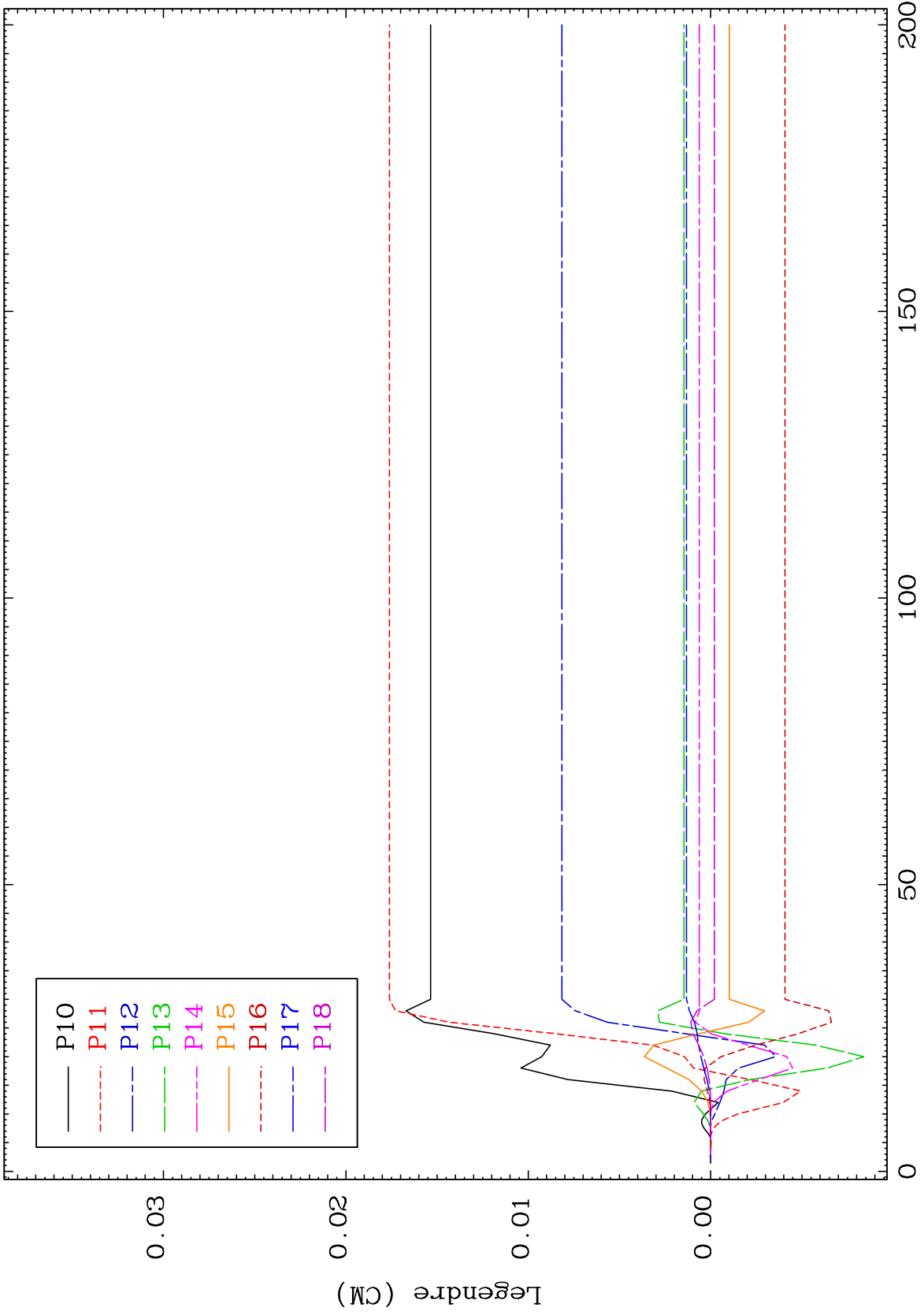


92 60-Nd-135

MAT 6004

MT= 69 (n,n') Level
Legendre Coefficients

60-Nd-135



93

Incident Energy (MeV)

60-Nd-135

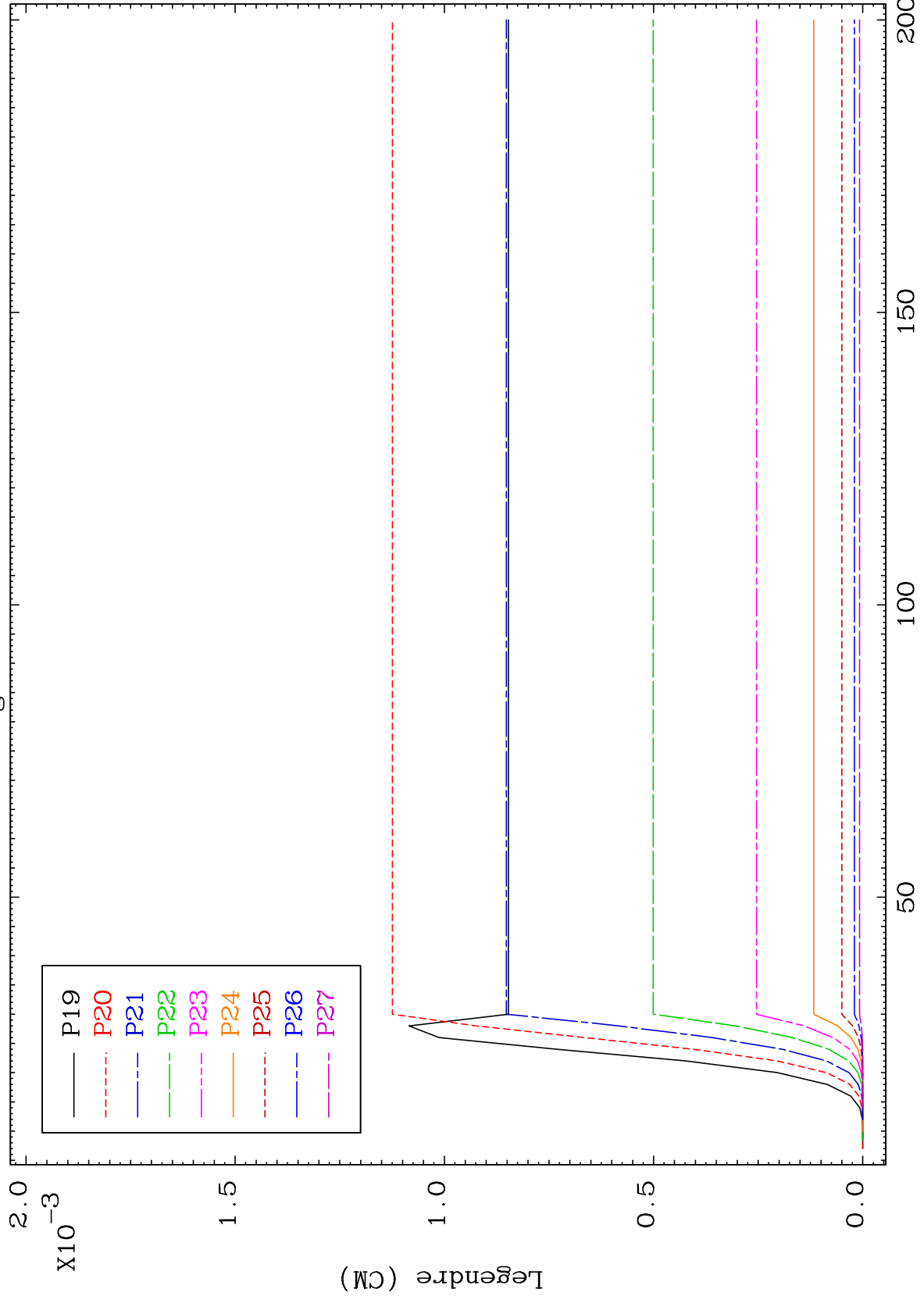
MAT 6004 MT= 69 (n,n') Level Legendre Coefficients

60-Nd-135

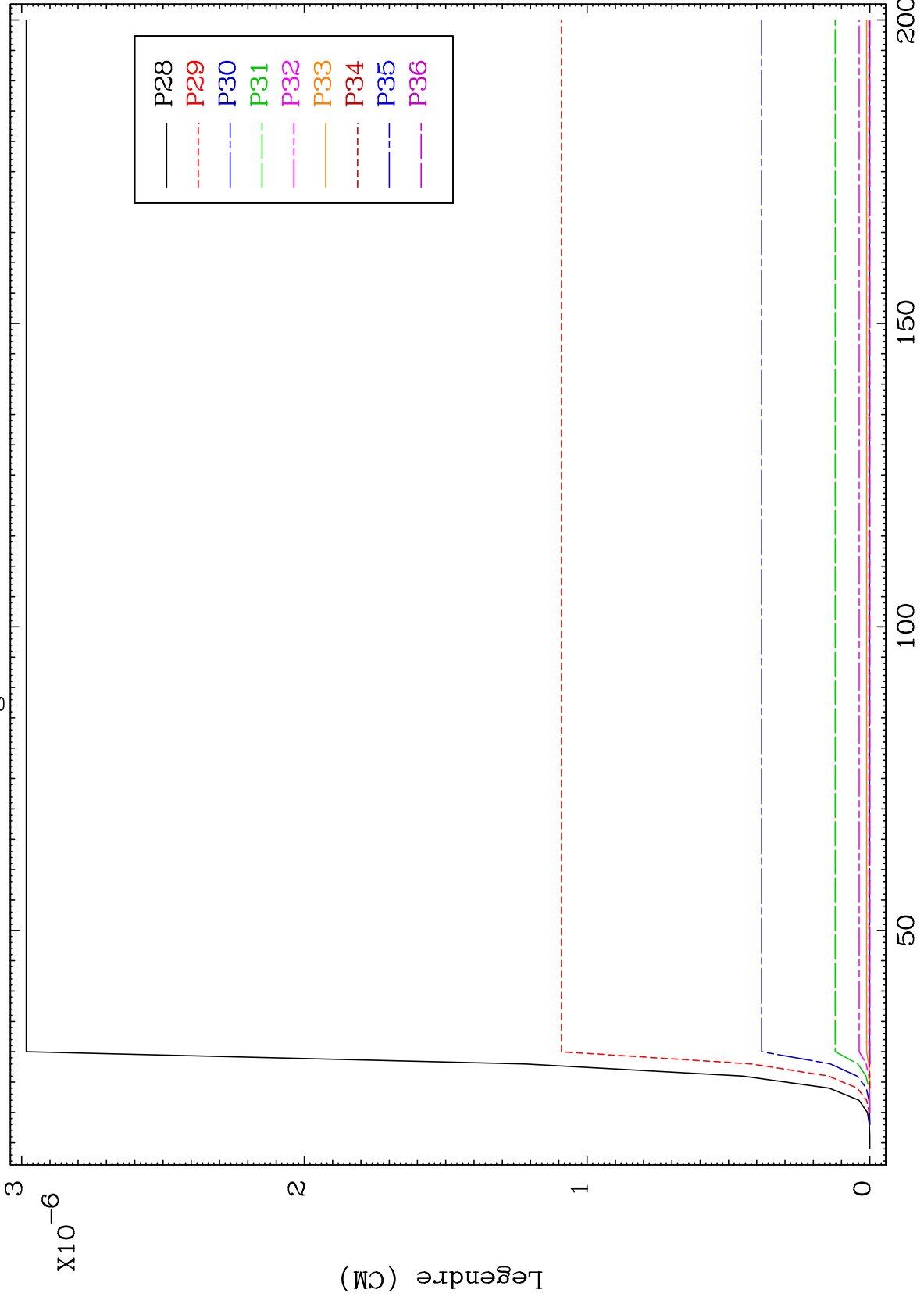
60-Nd-135

Incident Energy (MeV)

94

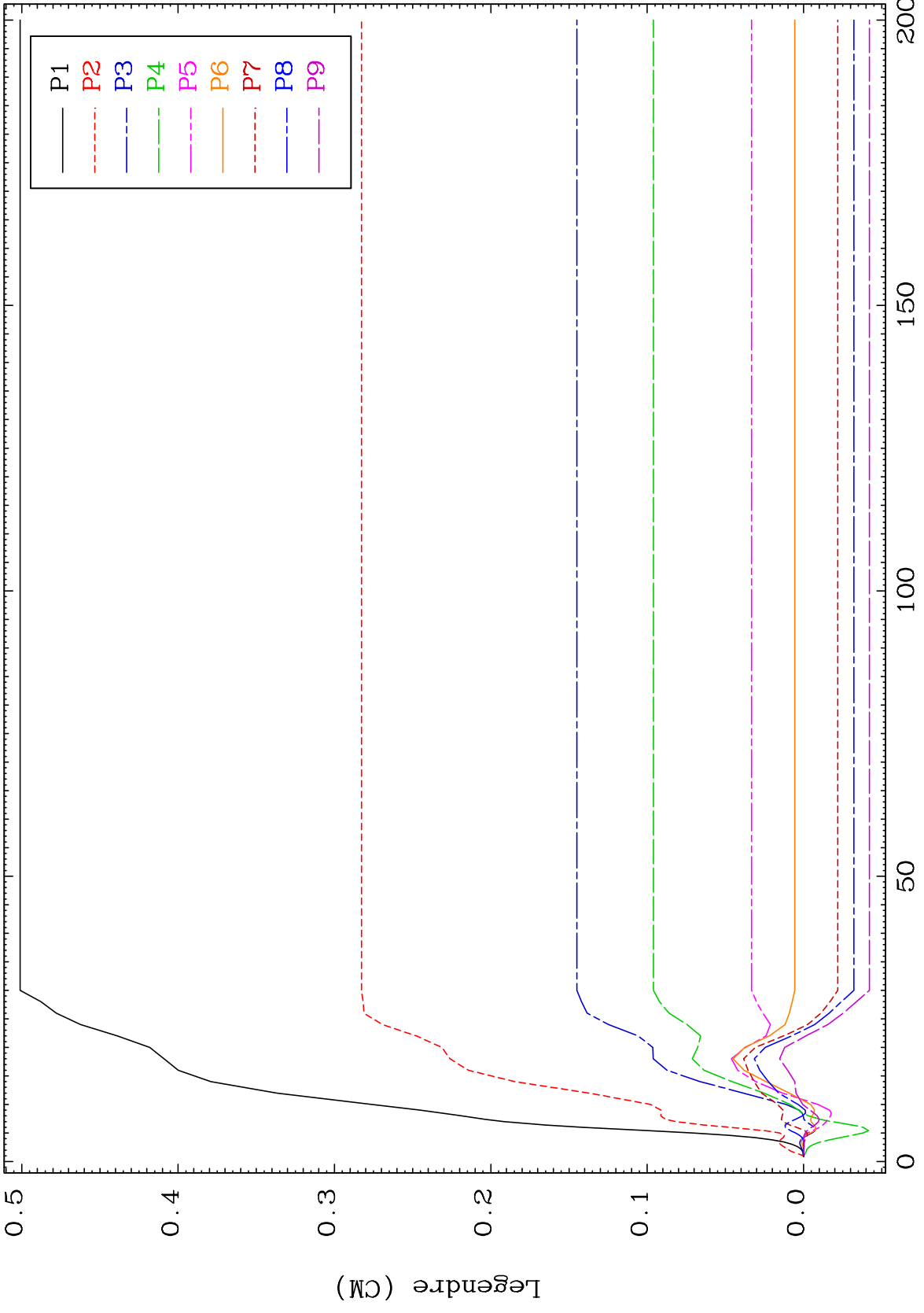


MAT 6004 MT= 69 (n,n') Level Legendre Coefficients 60-Nd-135



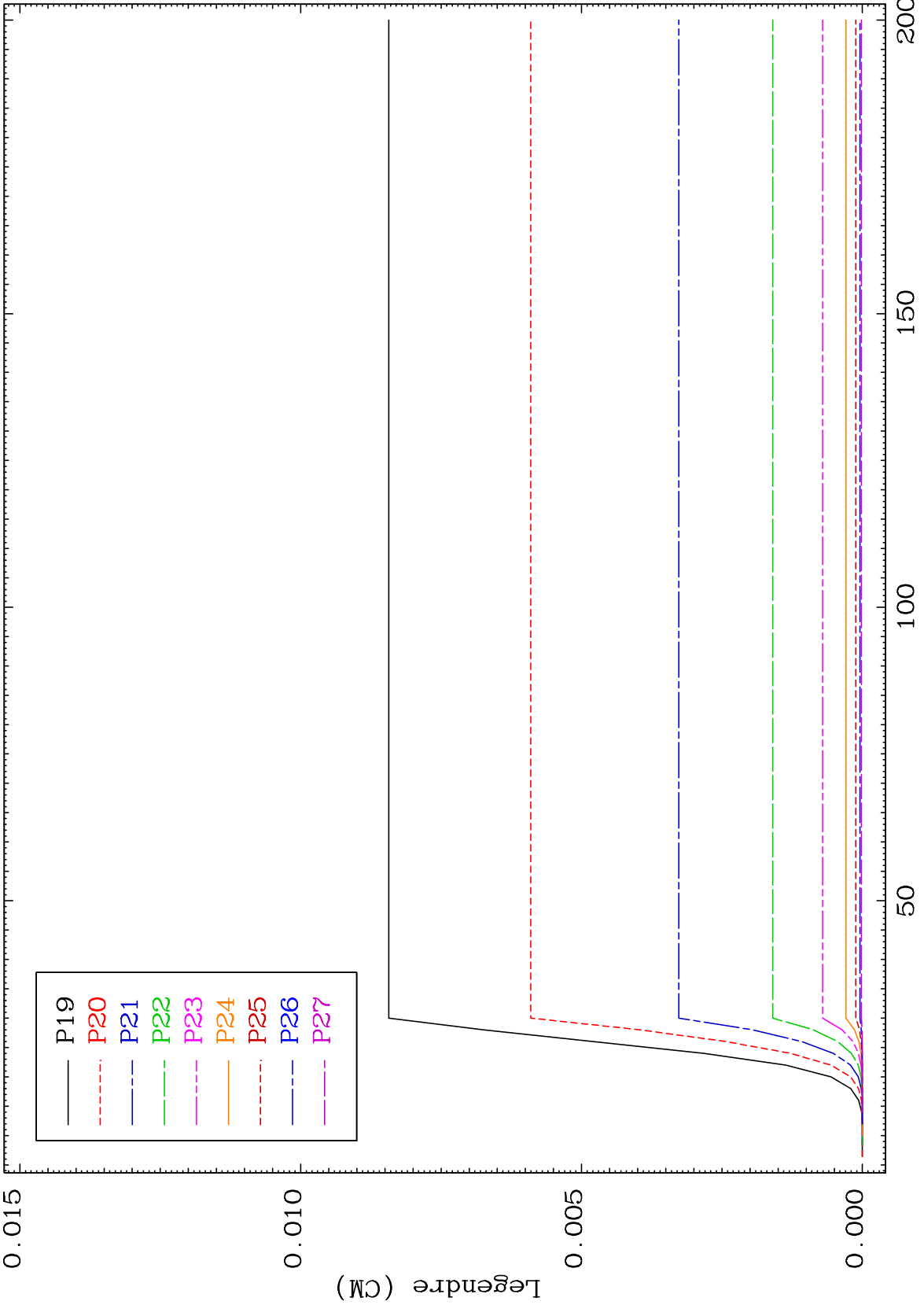
95 50 100 150 200 Incident Energy (MeV) 60-Nd-135

MAT 6004 MT= 70 (n,n') Level Legendre Coefficients 60-Nd-135

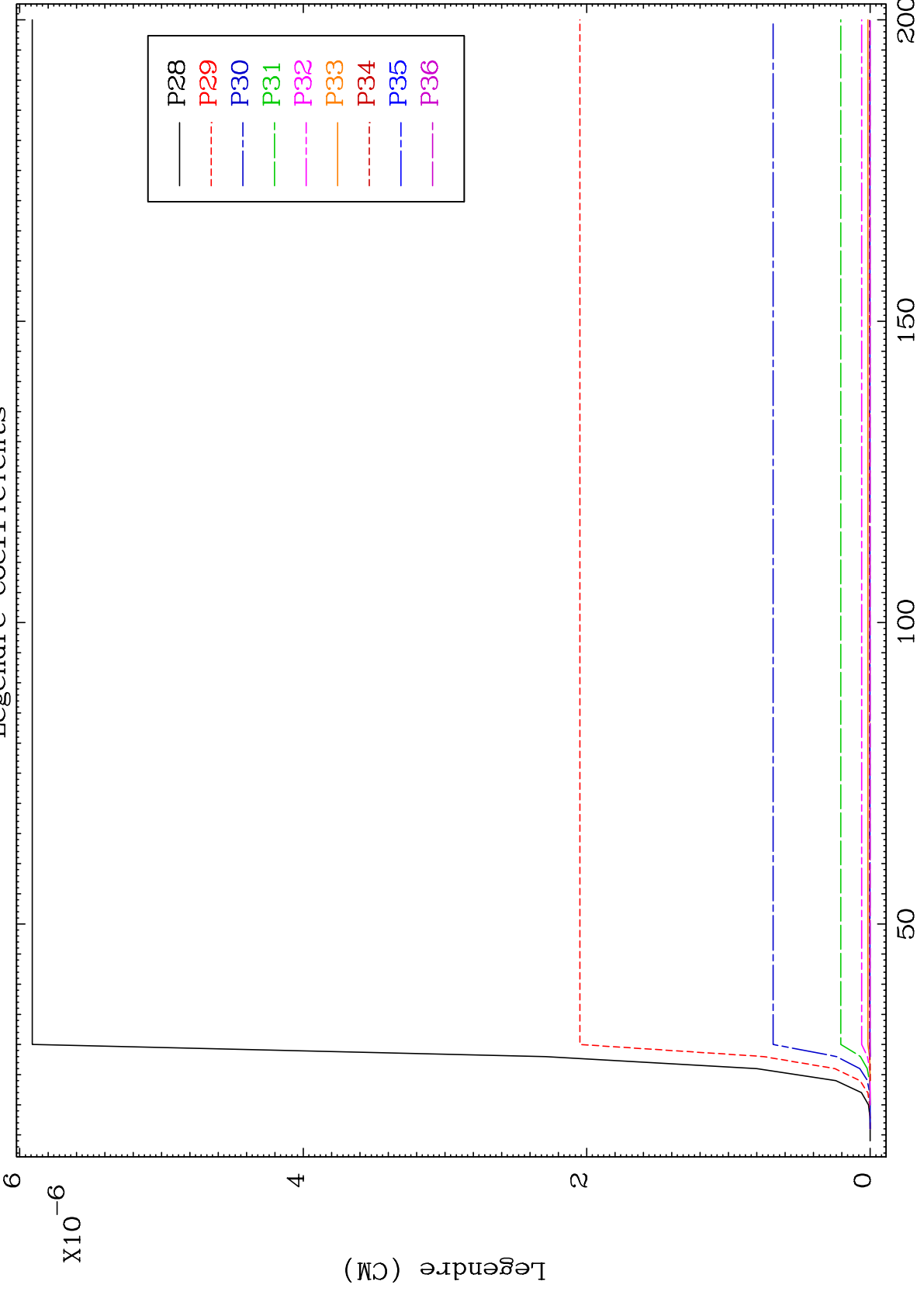


96 60-Nd-135

MAT 6004 MT= 70 (n,n') Level Legendre Coefficients 60-Nd-135



MAT 6004 MT= 70 (n,n') Level Legendre Coefficients 60-Nd-135

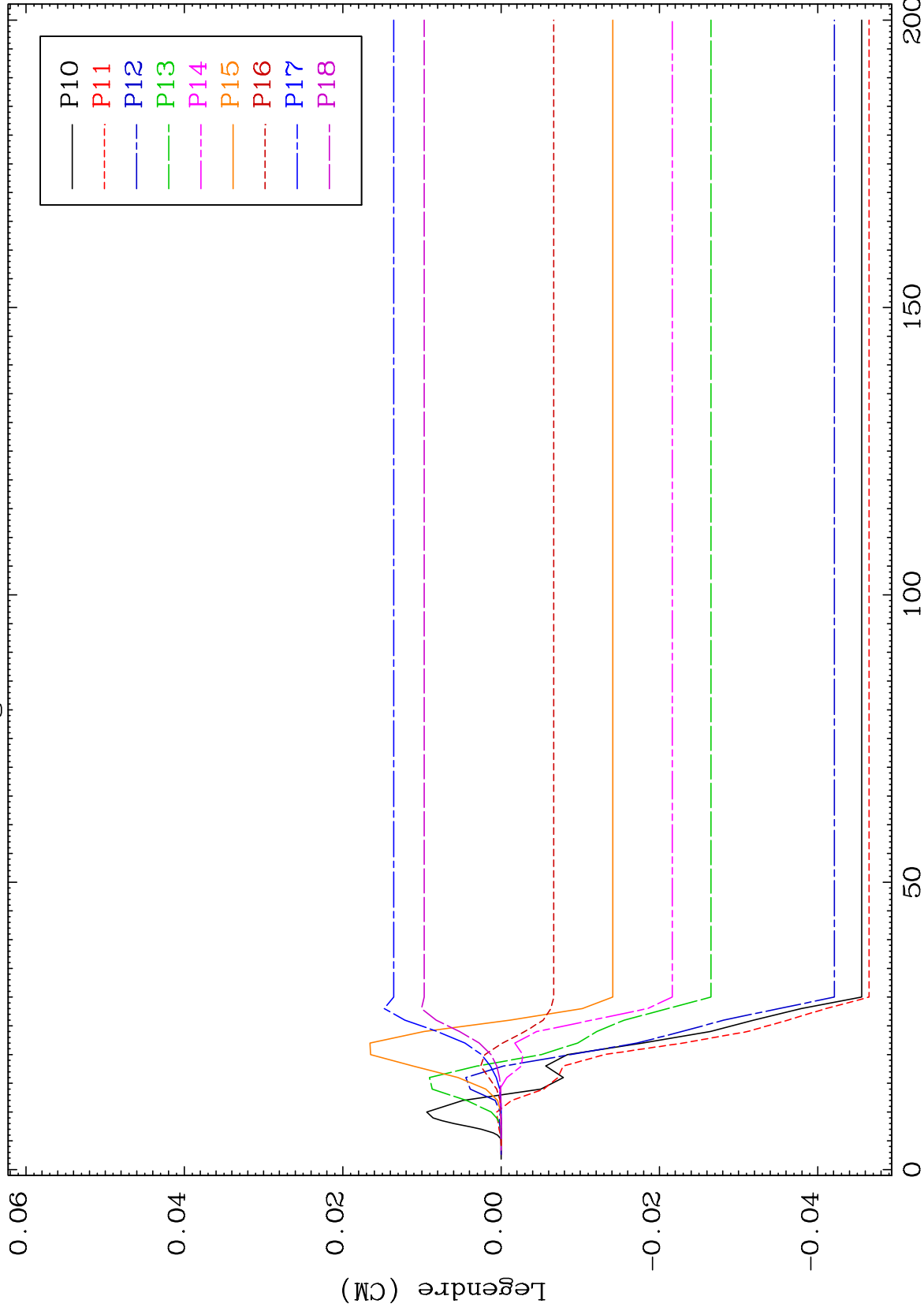


99 Incident Energy (MeV) 60-Nd-135

MAT 6004

MT= 71 (n,n') Level
Legendre Coefficients

60-Nd-135

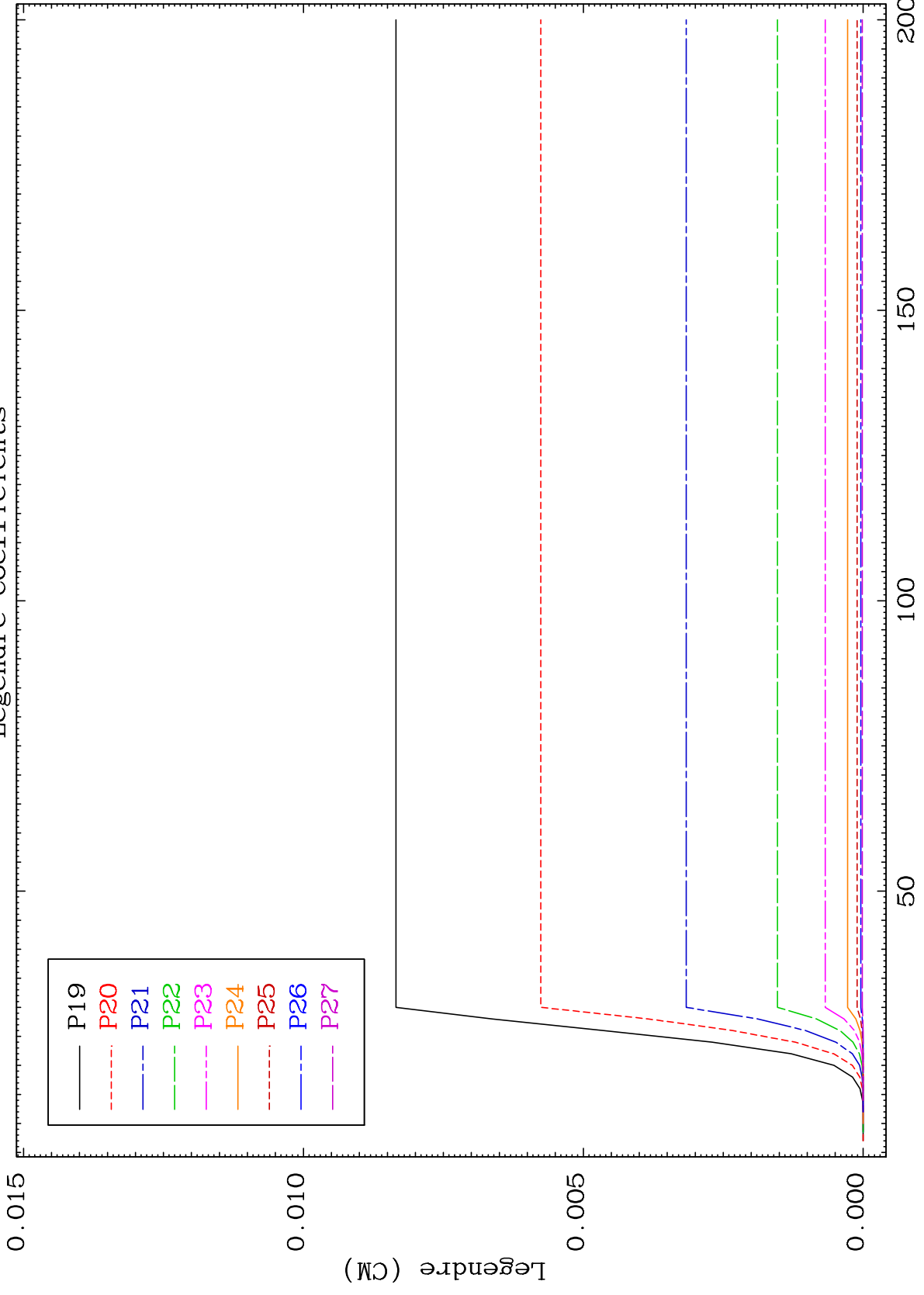


101

Incident Energy (MeV)

60-Nd-135

MAT 6004 MT= 71 (n,n') Level Legendre Coefficients 60-Nd-135



60-Nd-135

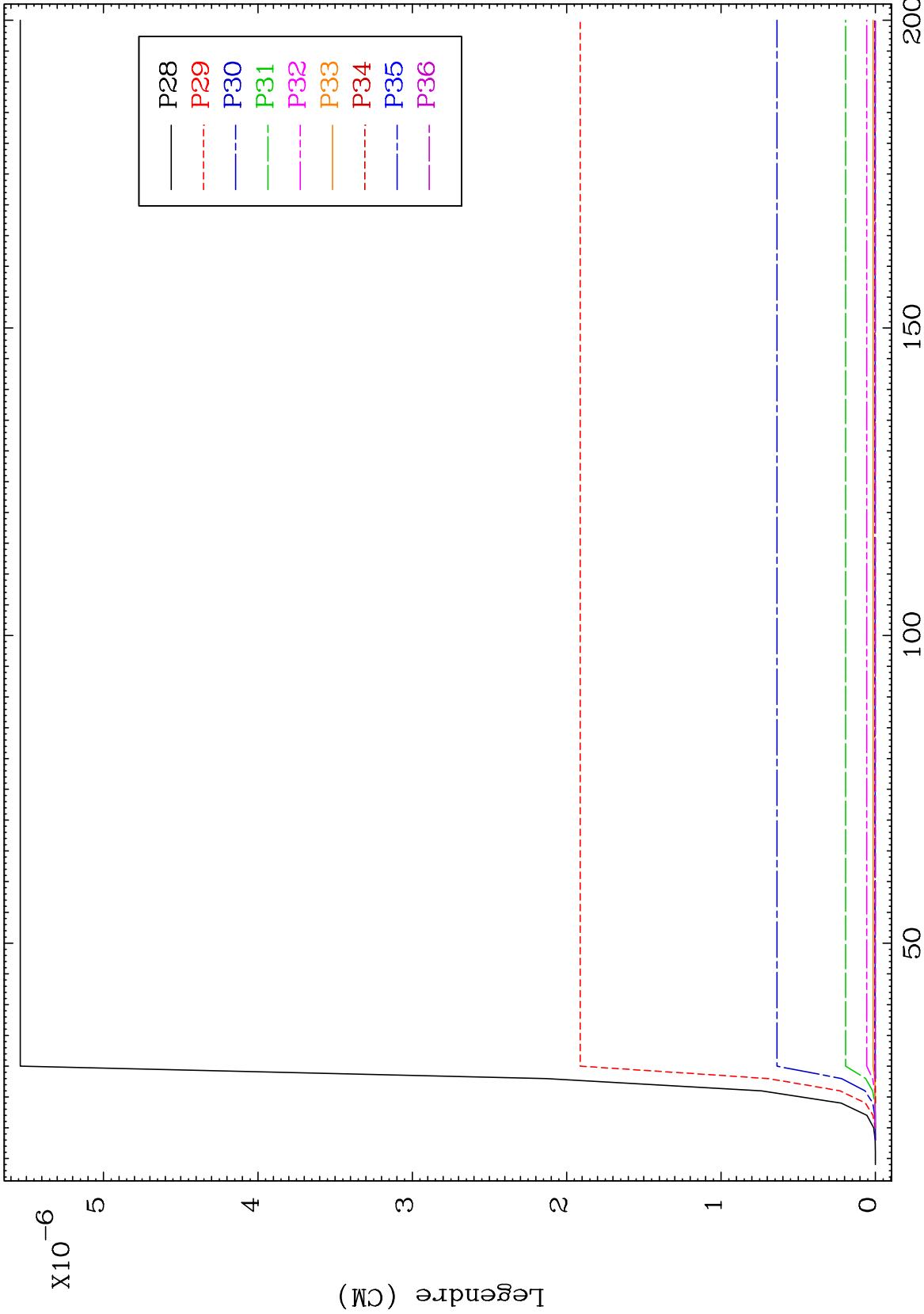
Incident Energy (MeV)

102

MAT 6004

MT= 71 (n,n') Level
Legendre Coefficients

60-Nd-135



103

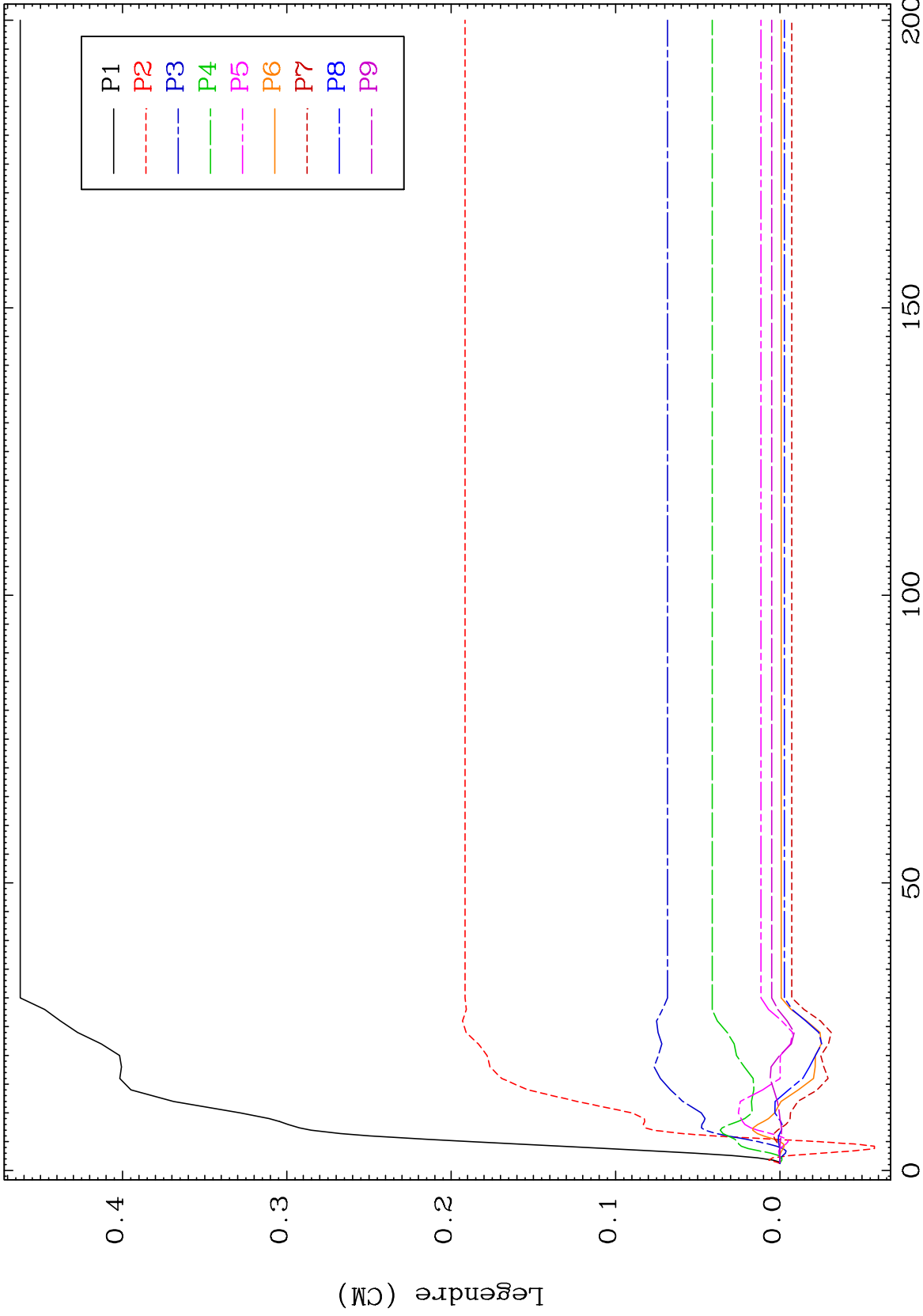
Incident Energy (MeV)

60-Nd-135

MAT 6004

MT= 72 (n,n') Level
Legendre Coefficients

60-Nd-135



60-Nd-135

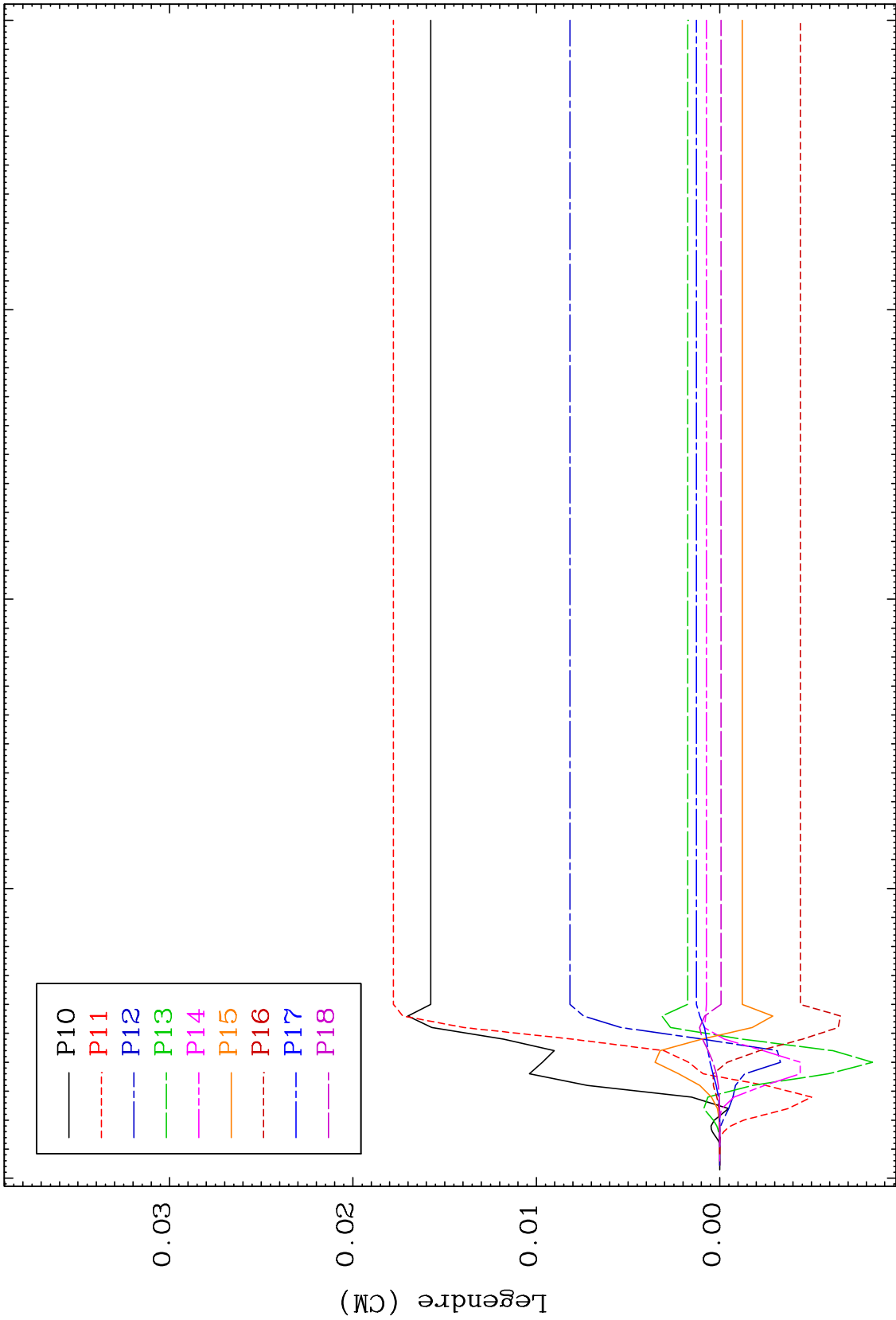
Incident Energy (MeV)

104

MAT 6004

MT= 72 (n,n') Level
Legendre Coefficients

60-Nd-135



60-Nd-135

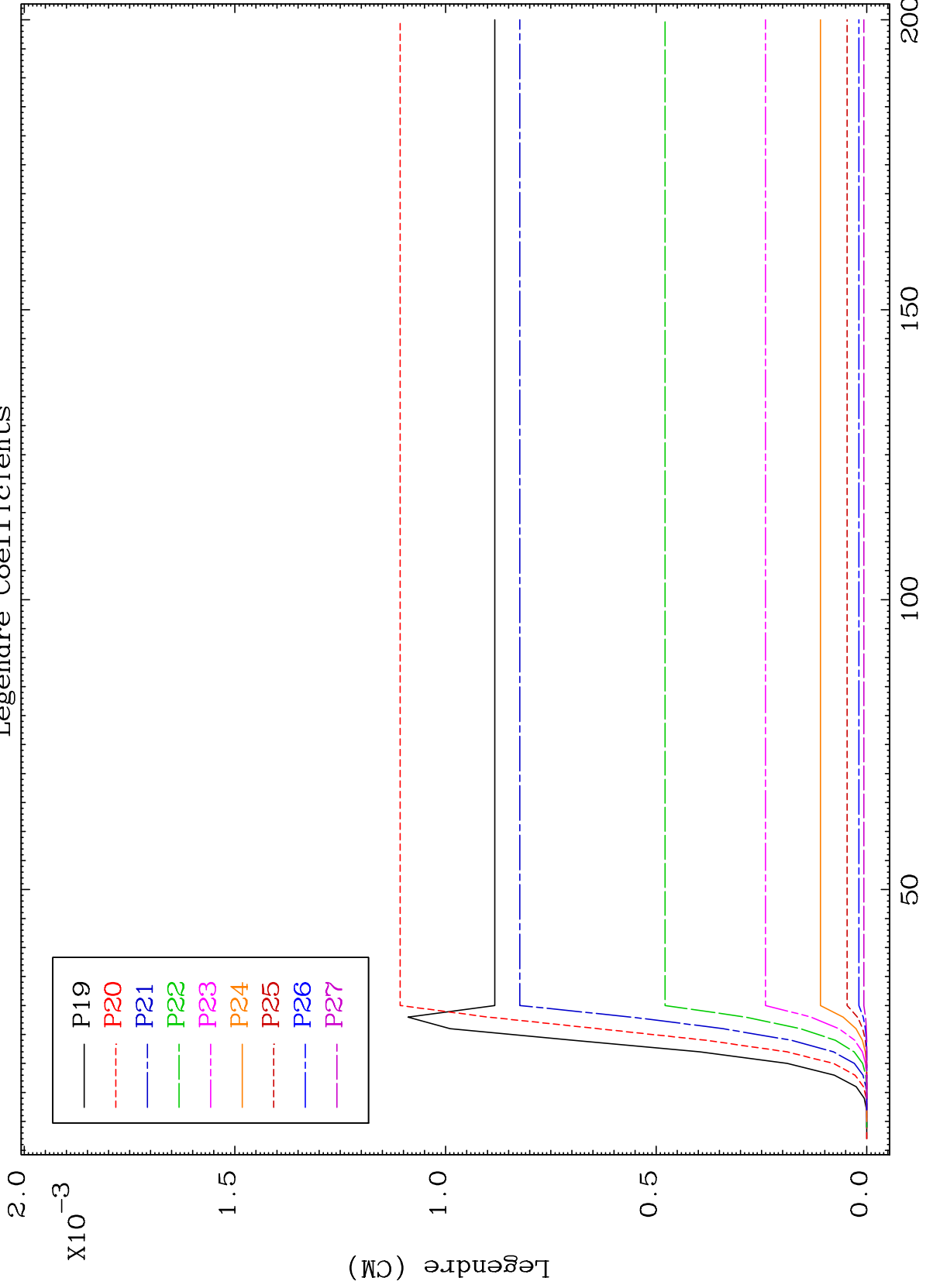
Incident Energy (MeV)

105

MAT 6004

MT= 72 (n,n') Level
Legendre Coefficients

60-Nd-135



60-Nd-135

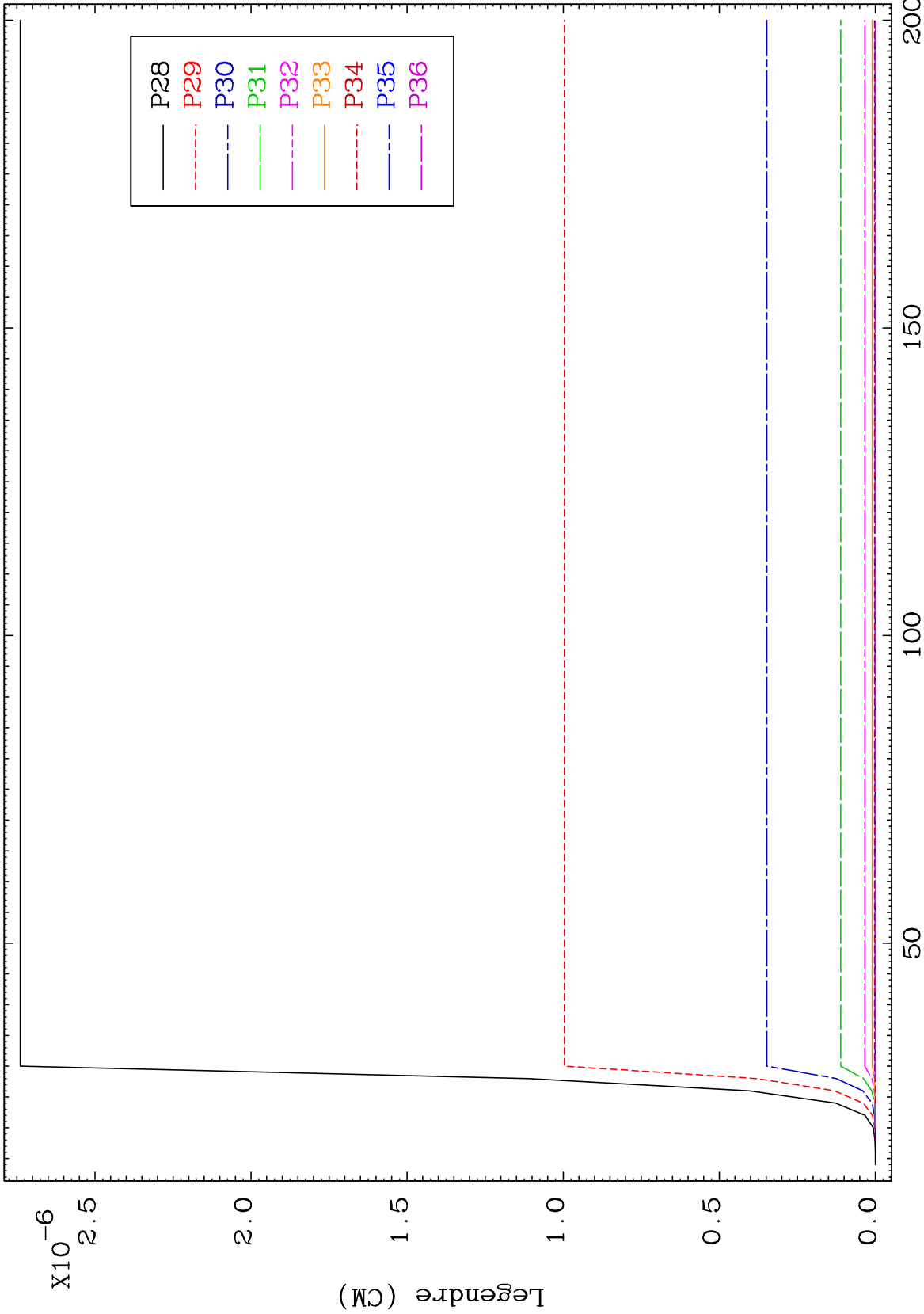
Incident Energy (MeV)

106

MAT 6004

MT= 72 (n,n') Level
Legendre Coefficients

60-Nd-135



107

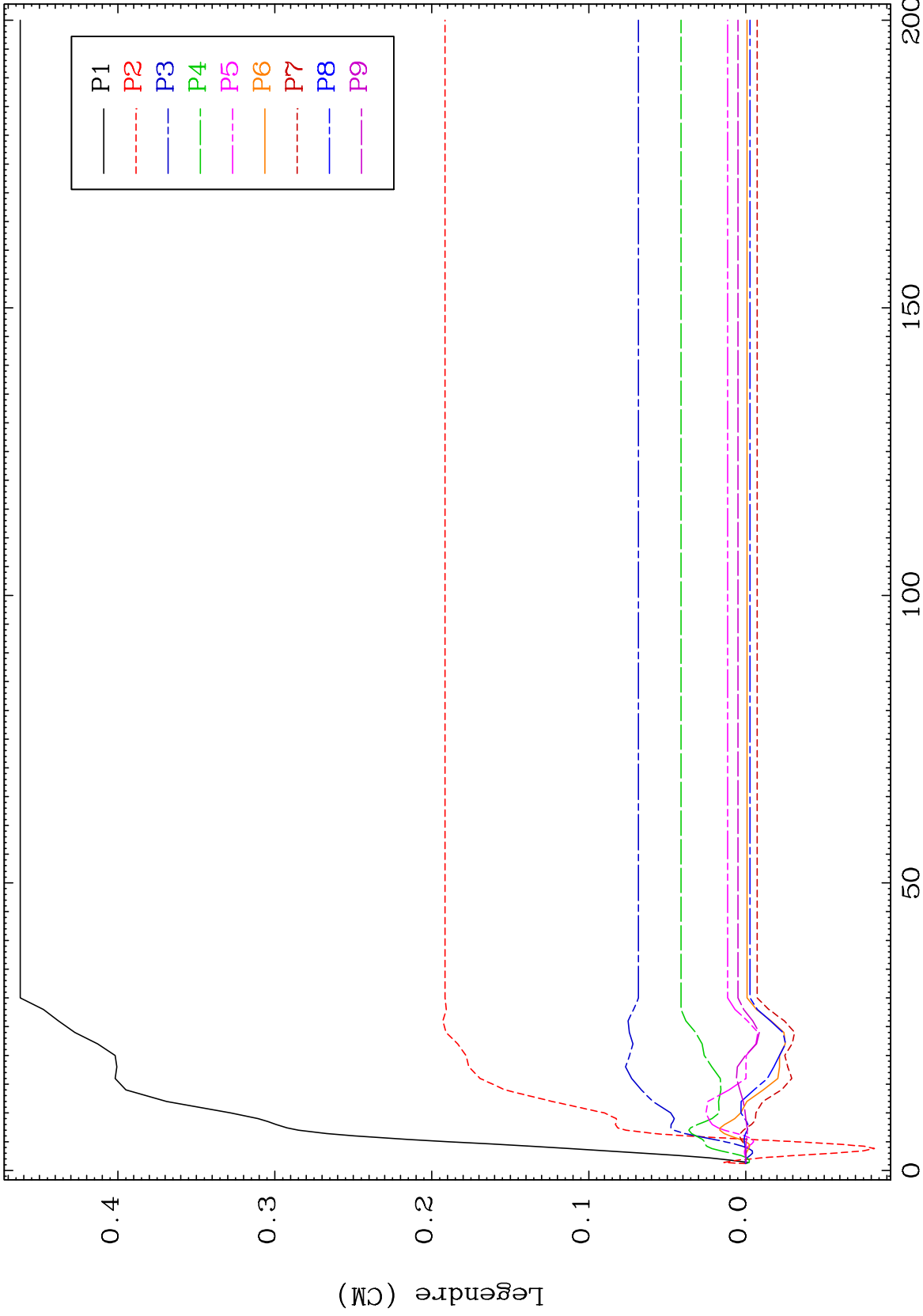
Incident Energy (MeV)

60-Nd-135

MAT 6004

MT= 73 (n,n') Level
Legendre Coefficients

60-Nd-135



108

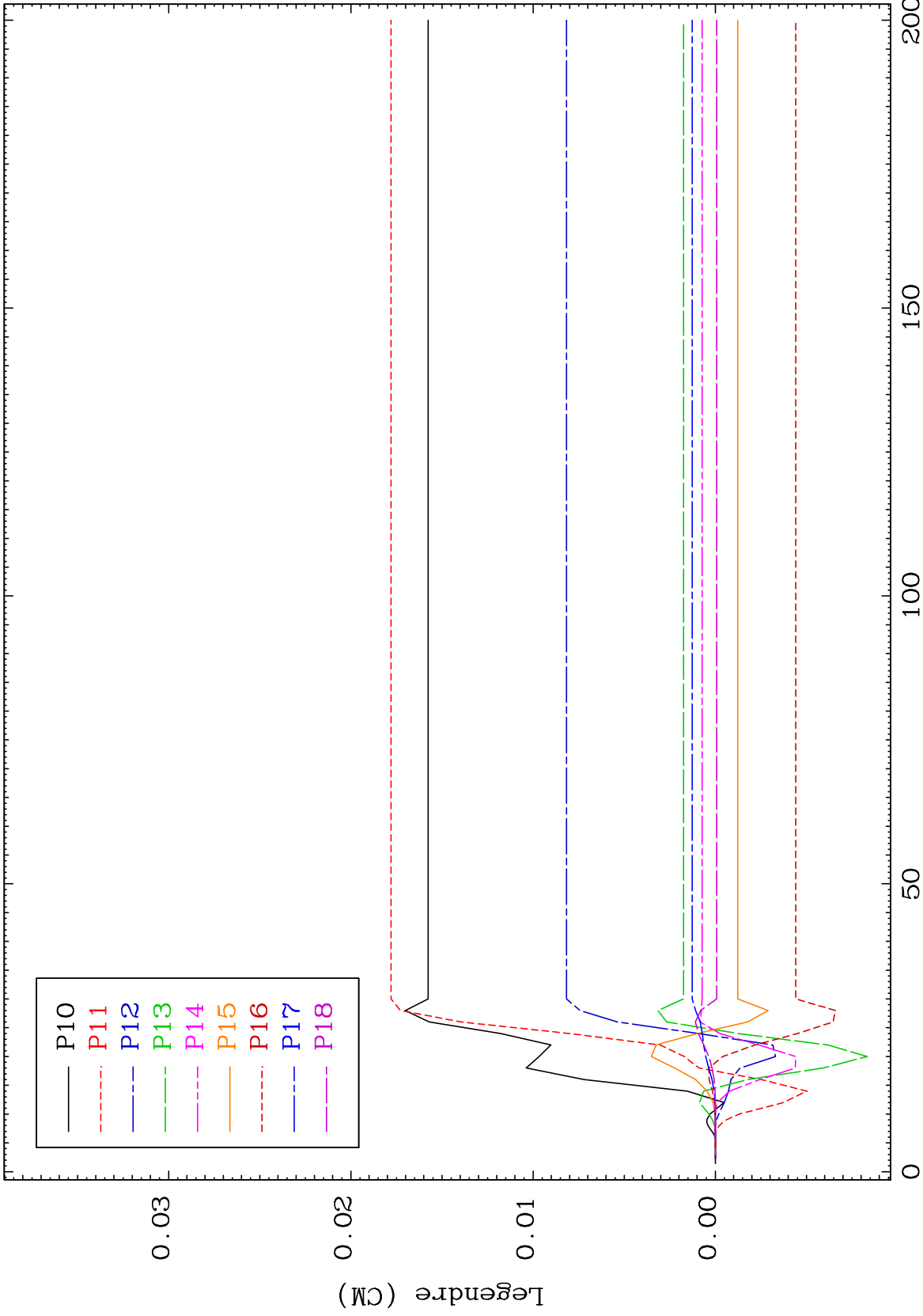
Incident Energy (MeV)

60-Nd-135

MAT 6004

MT= 73 (n,n') Level
Legendre Coefficients

60-Nd-135

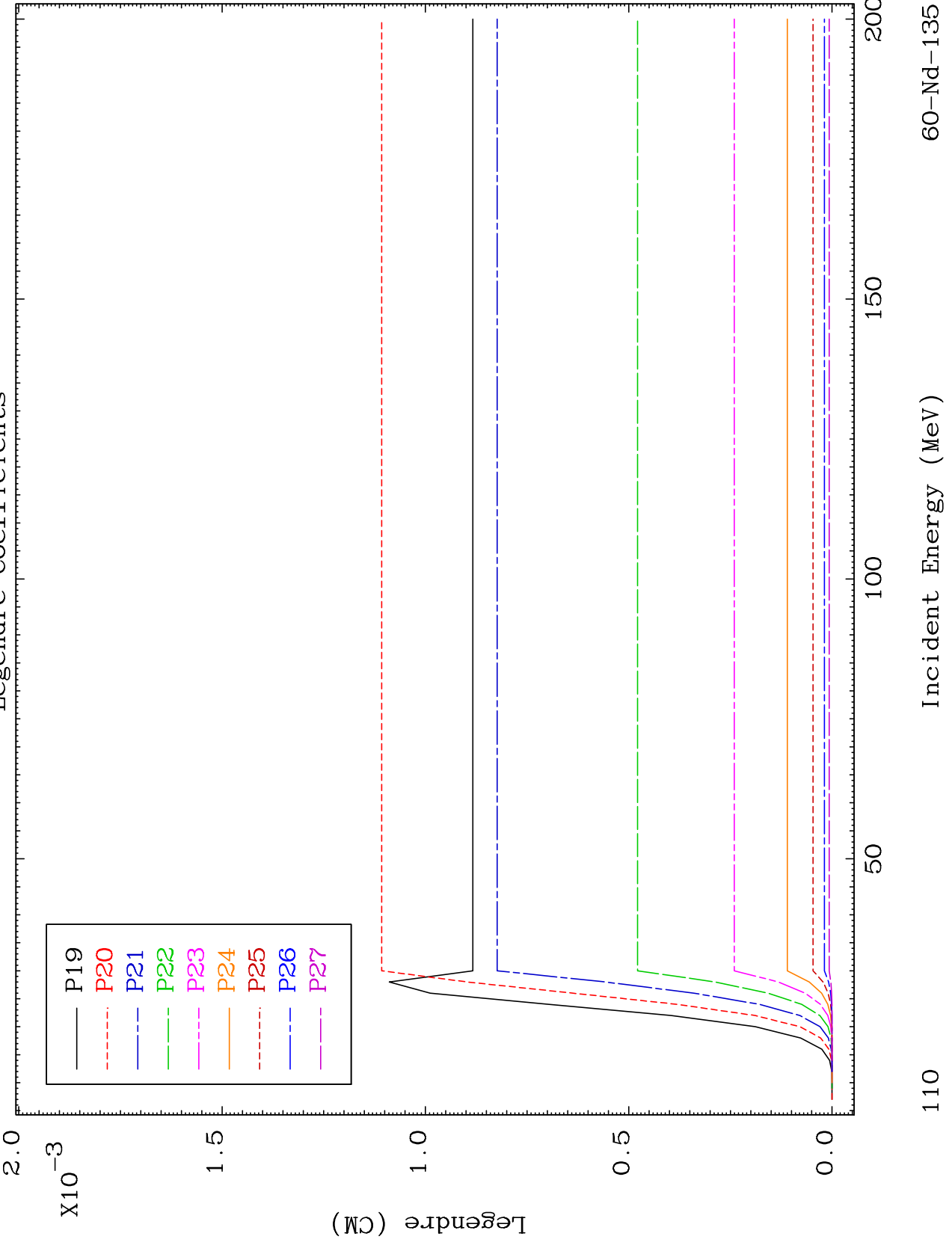


109

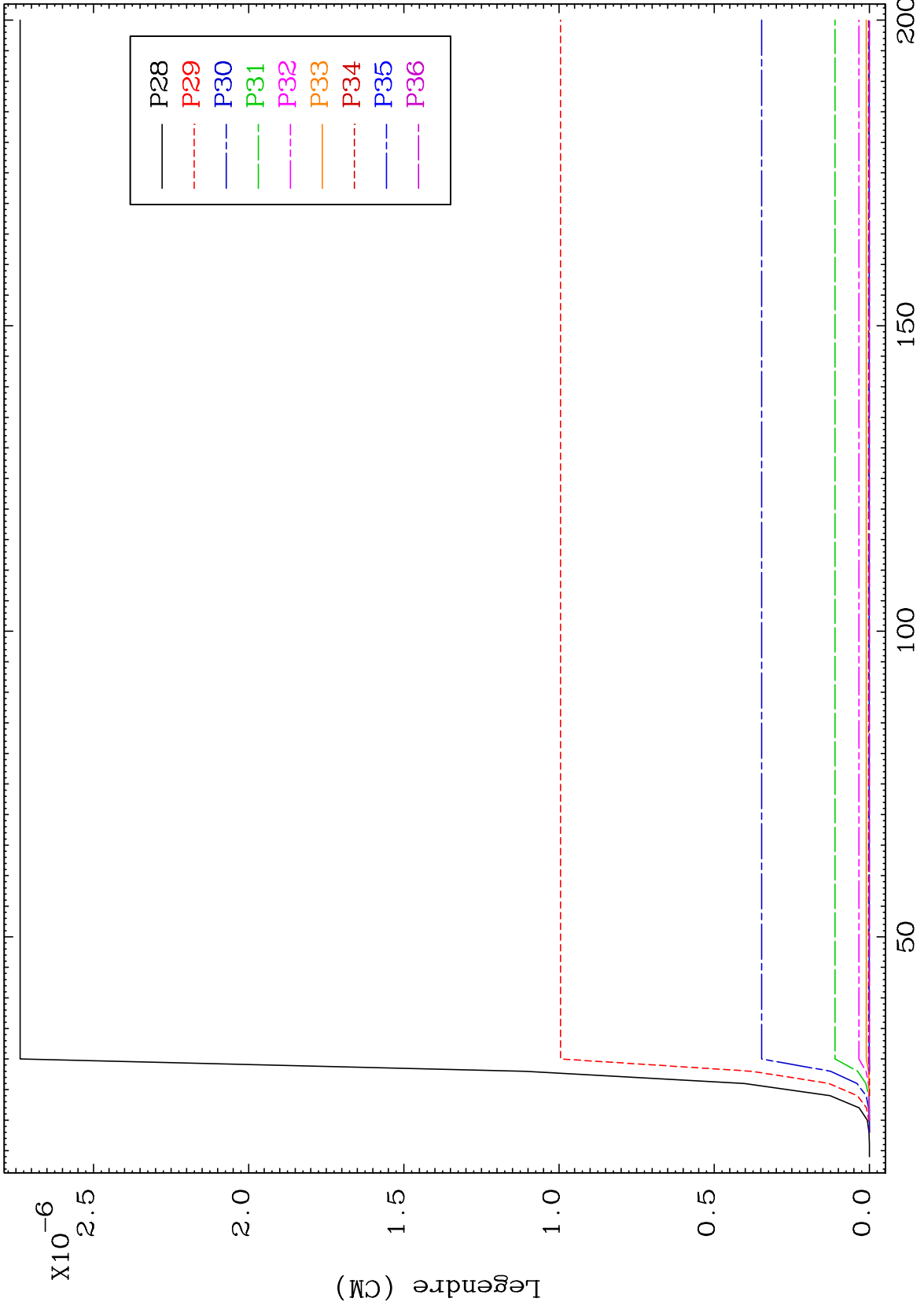
Incident Energy (MeV)

60-Nd-135

MAT 6004 MT= 73 (n,n') Level Legendre Coefficients 60-Nd-135



MAT 6004 MT= 73 (n,n') Level Legendre Coefficients 60-Nd-135

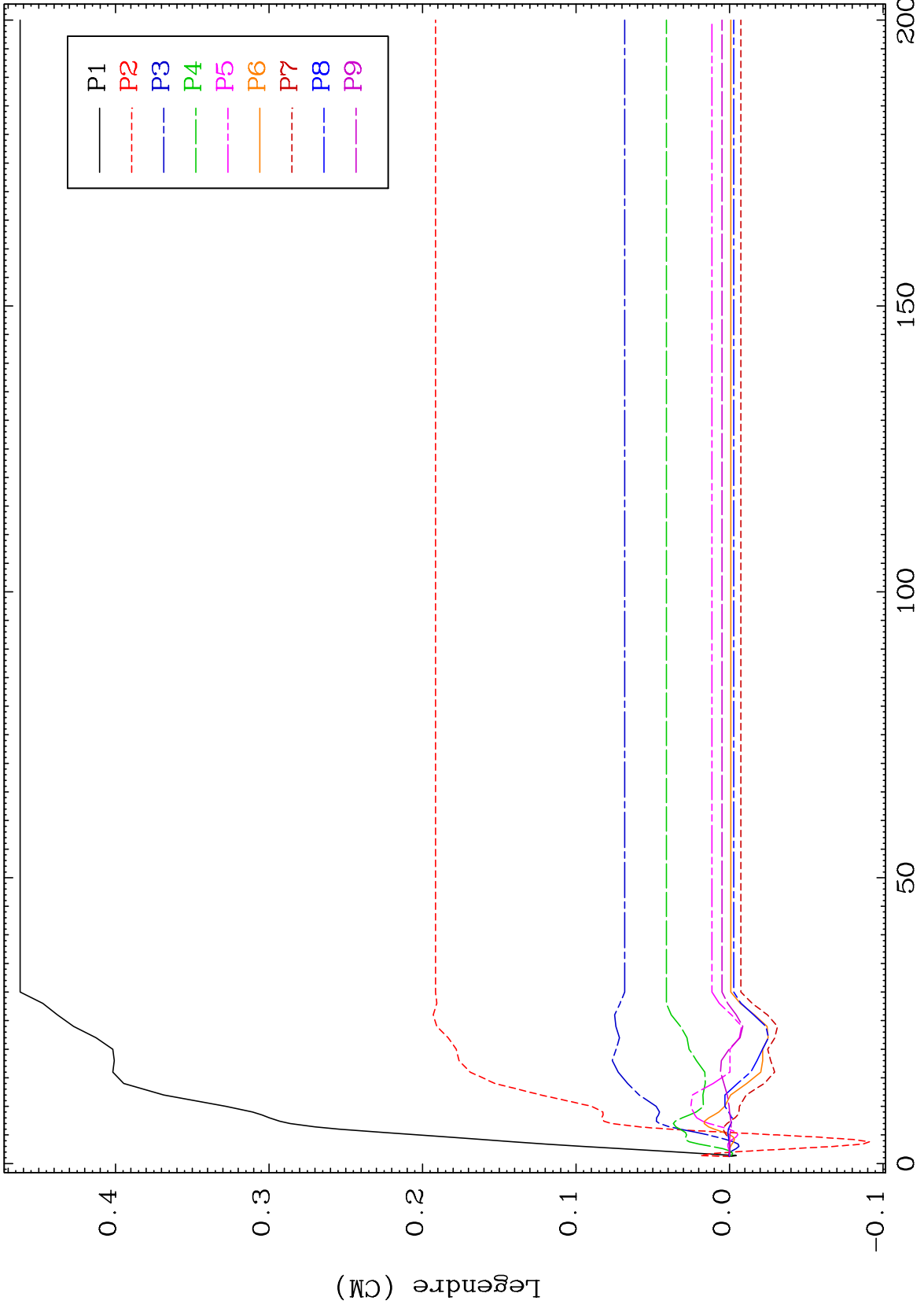


111 60-Nd-135

MAT 6004

MT= 74 (n,n') Level
Legendre Coefficients

60-Nd-135



112

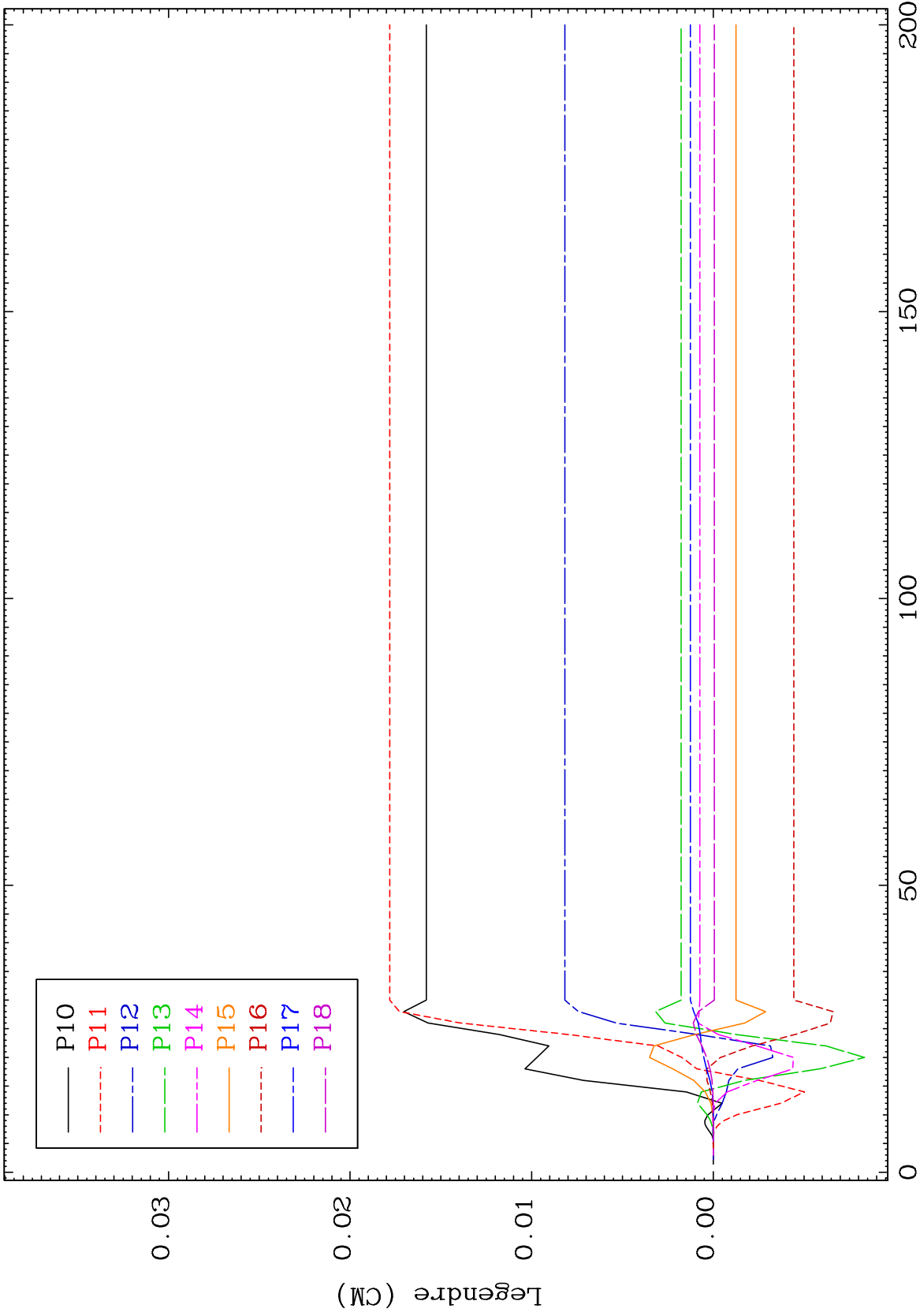
Incident Energy (MeV)

60-Nd-135

MAT 6004

MT= 74 (n,n') Level
Legendre Coefficients

60-Nd-135



113

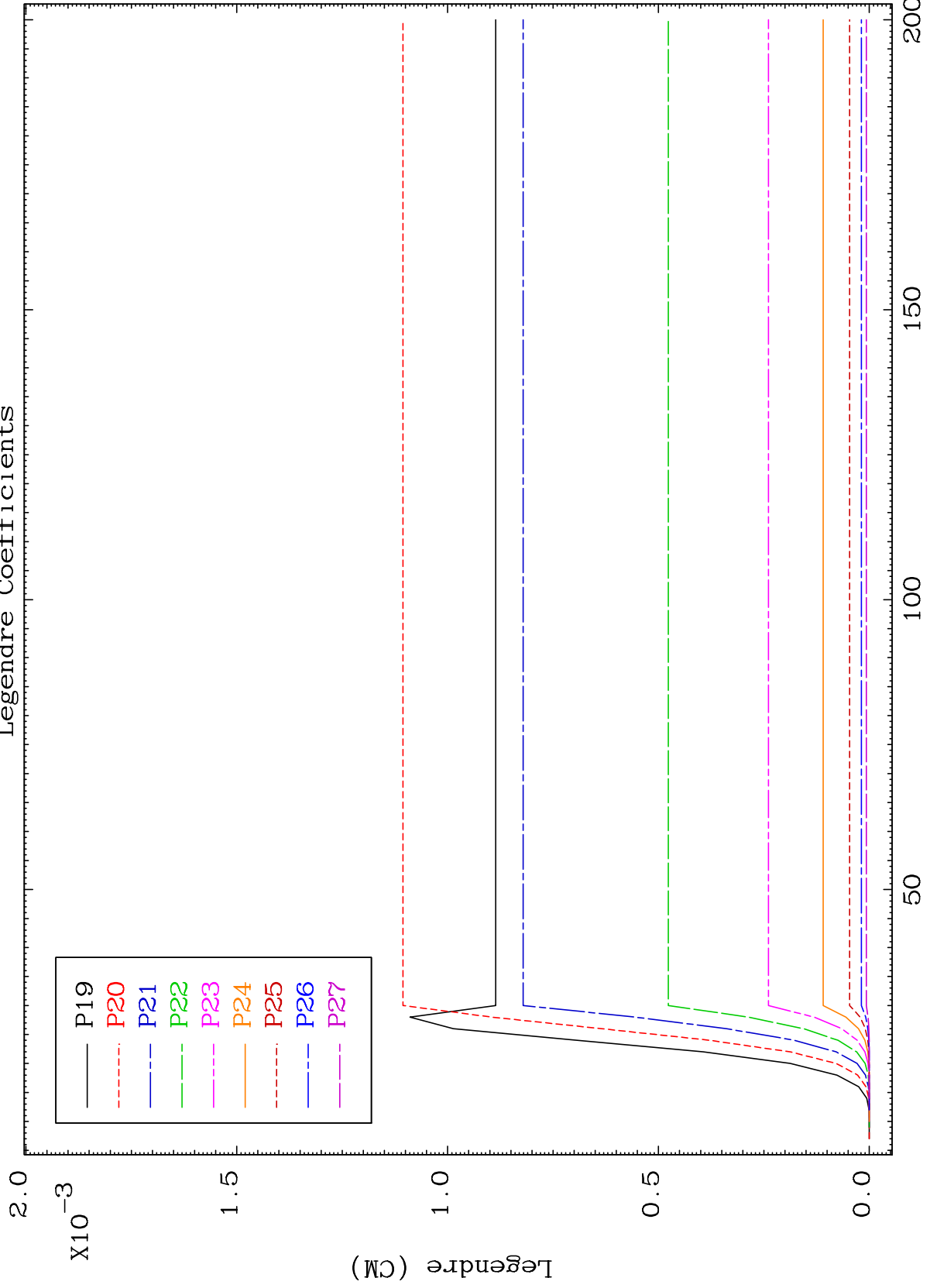
Incident Energy (MeV)

60-Nd-135

MAT 6004

MT= 74 (n,n') Level
Legendre Coefficients

60-Nd-135

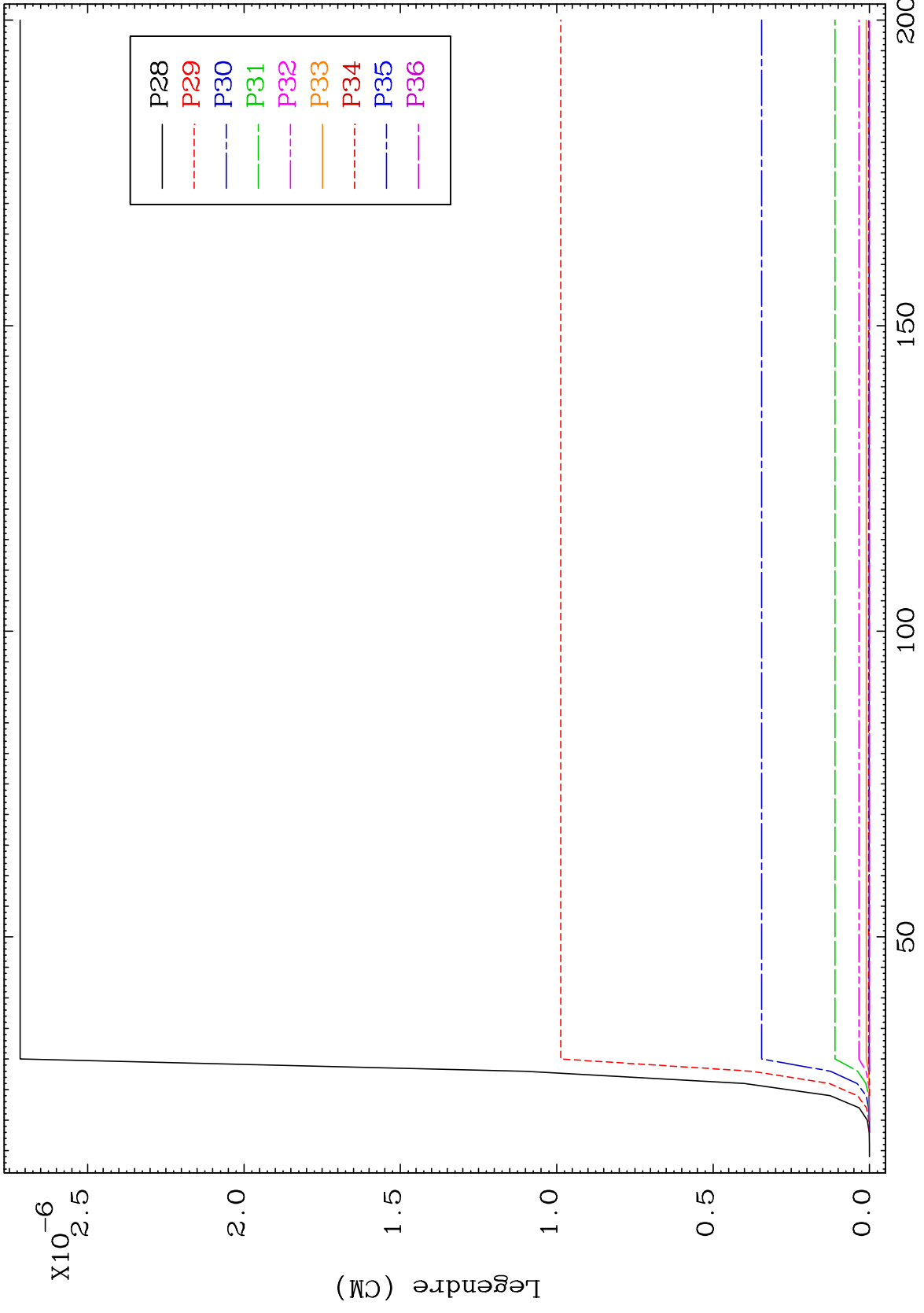


60-Nd-135

Incident Energy (MeV)

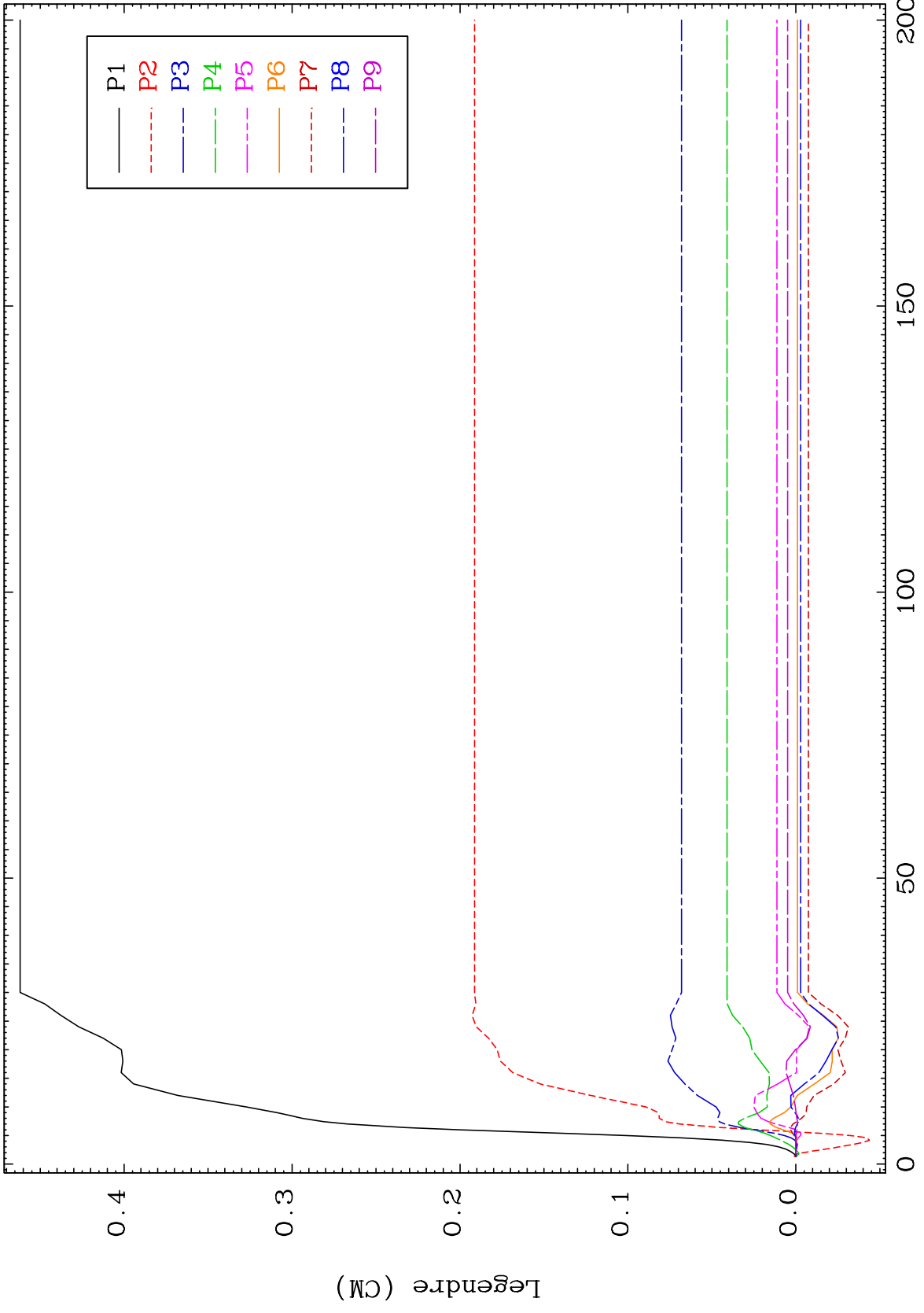
114

MAT 6004 MT= 74 (n,n') Level Legendre Coefficients 60-Nd-135



115 Incident Energy (MeV) 60-Nd-135

MAT 6004 MT= 75 (n,n') Level Legendre Coefficients 60-Nd-135

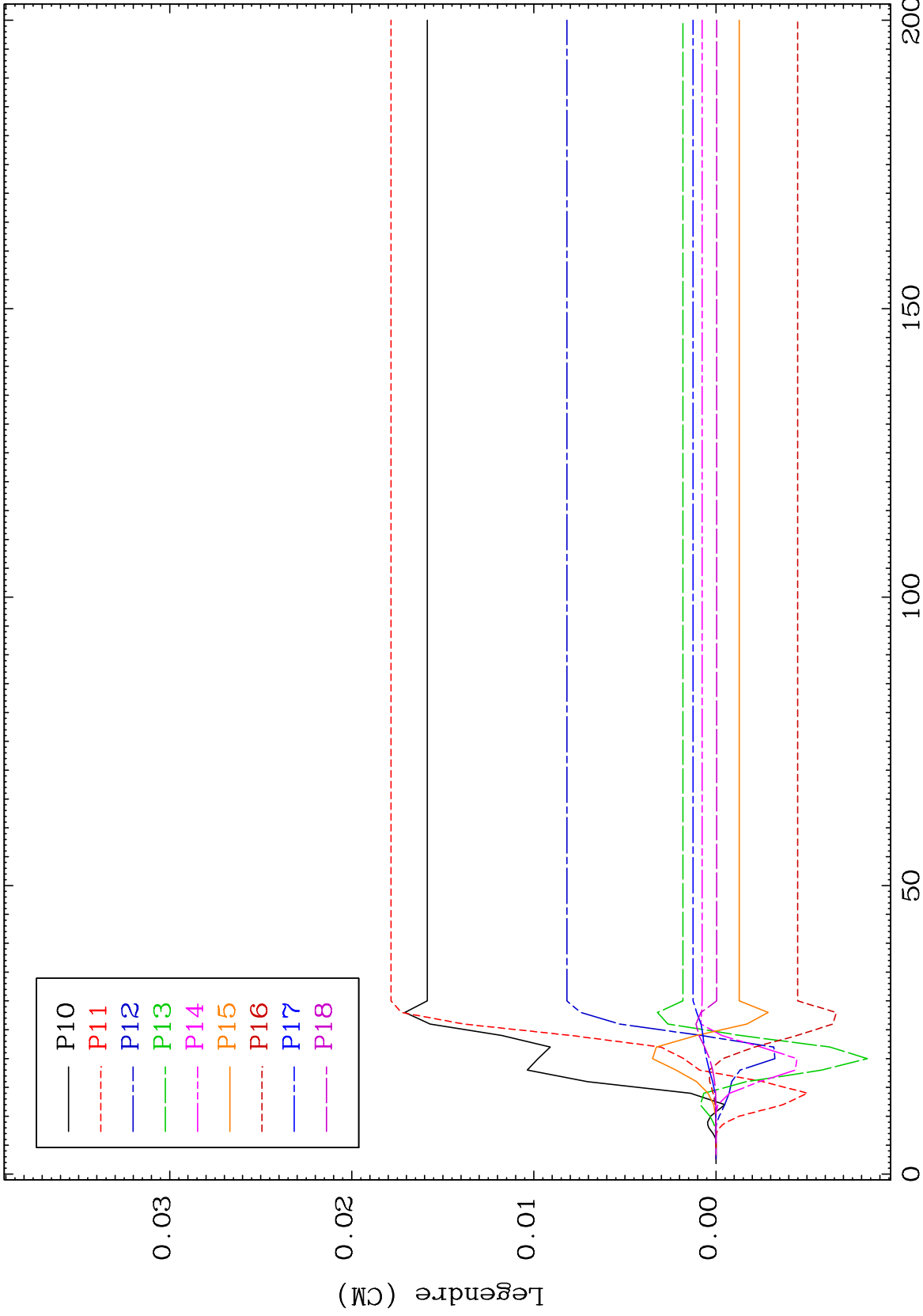


116 60-Nd-135

MAT 6004

MT= 75 (n,n') Level
Legendre Coefficients

60-Nd-135



117

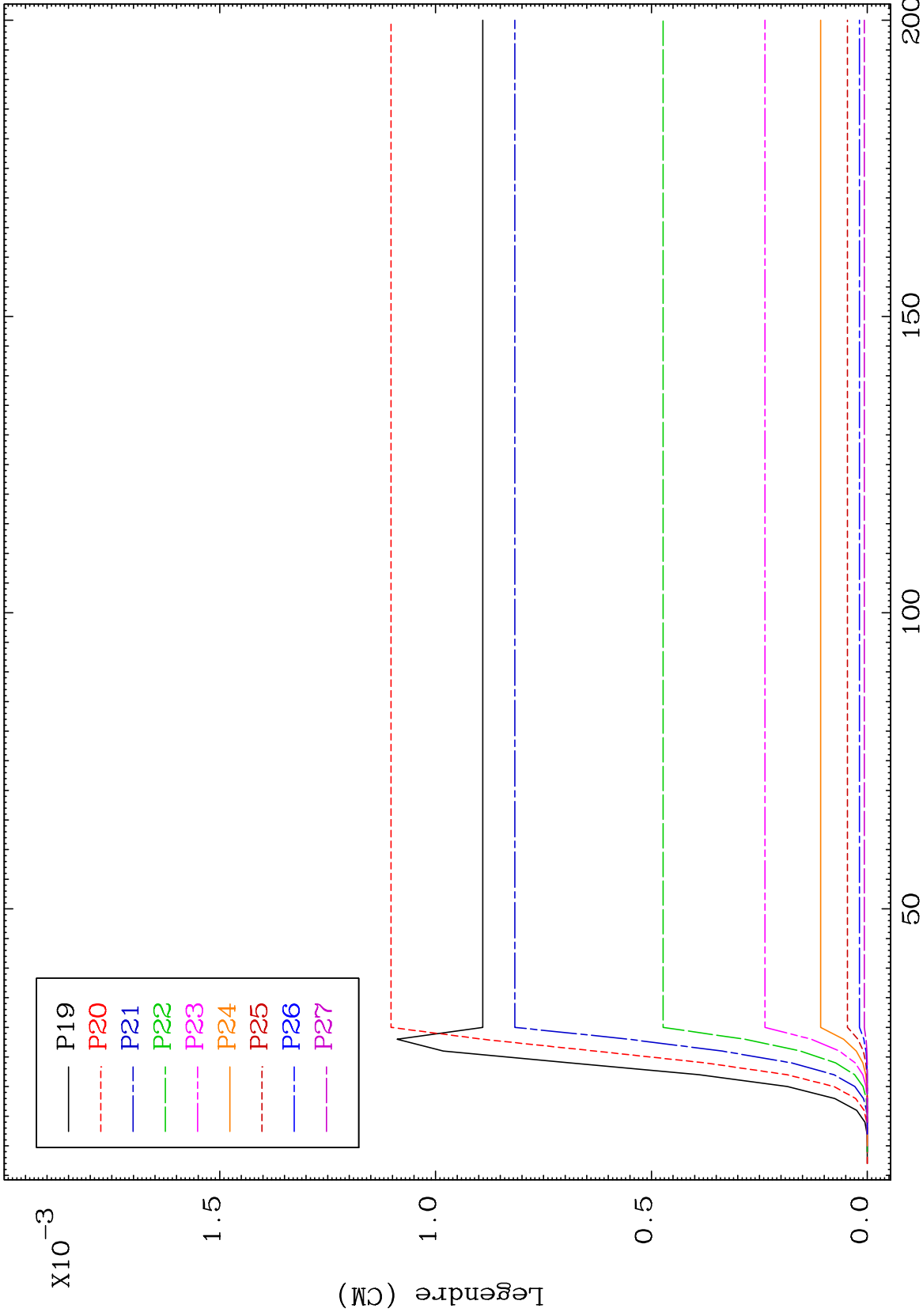
Incident Energy (MeV)

60-Nd-135

MAT 6004

MT= 75 (n,n') Level
Legendre Coefficients

60-Nd-135



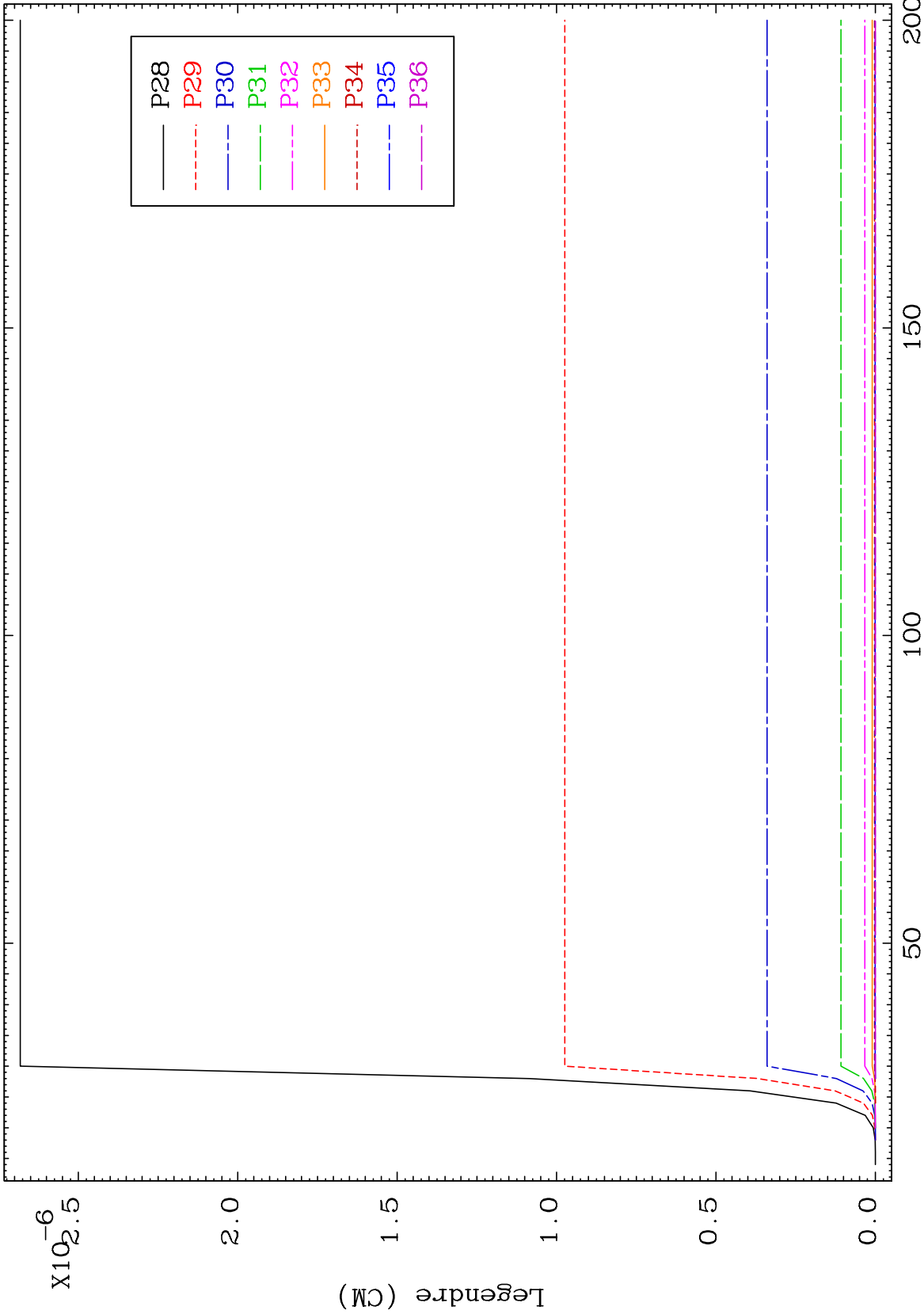
118

60-Nd-135

MAT 6004

MT= 75 (n,n') Level
Legendre Coefficients

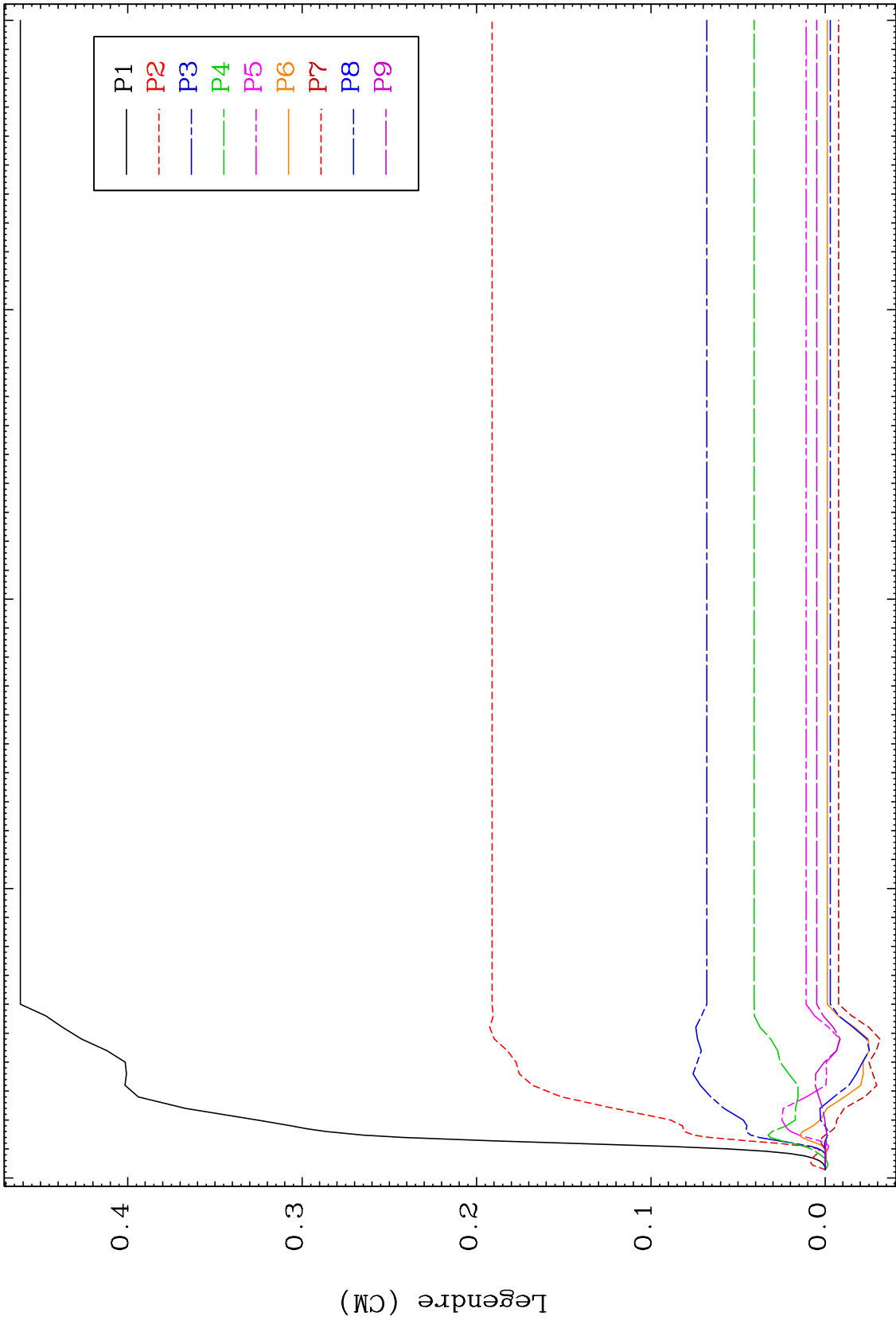
60-Nd-135



119

60-Nd-135

MAT 6004 MT= 76 (n,n') Level Legendre Coefficients 60-Nd-135

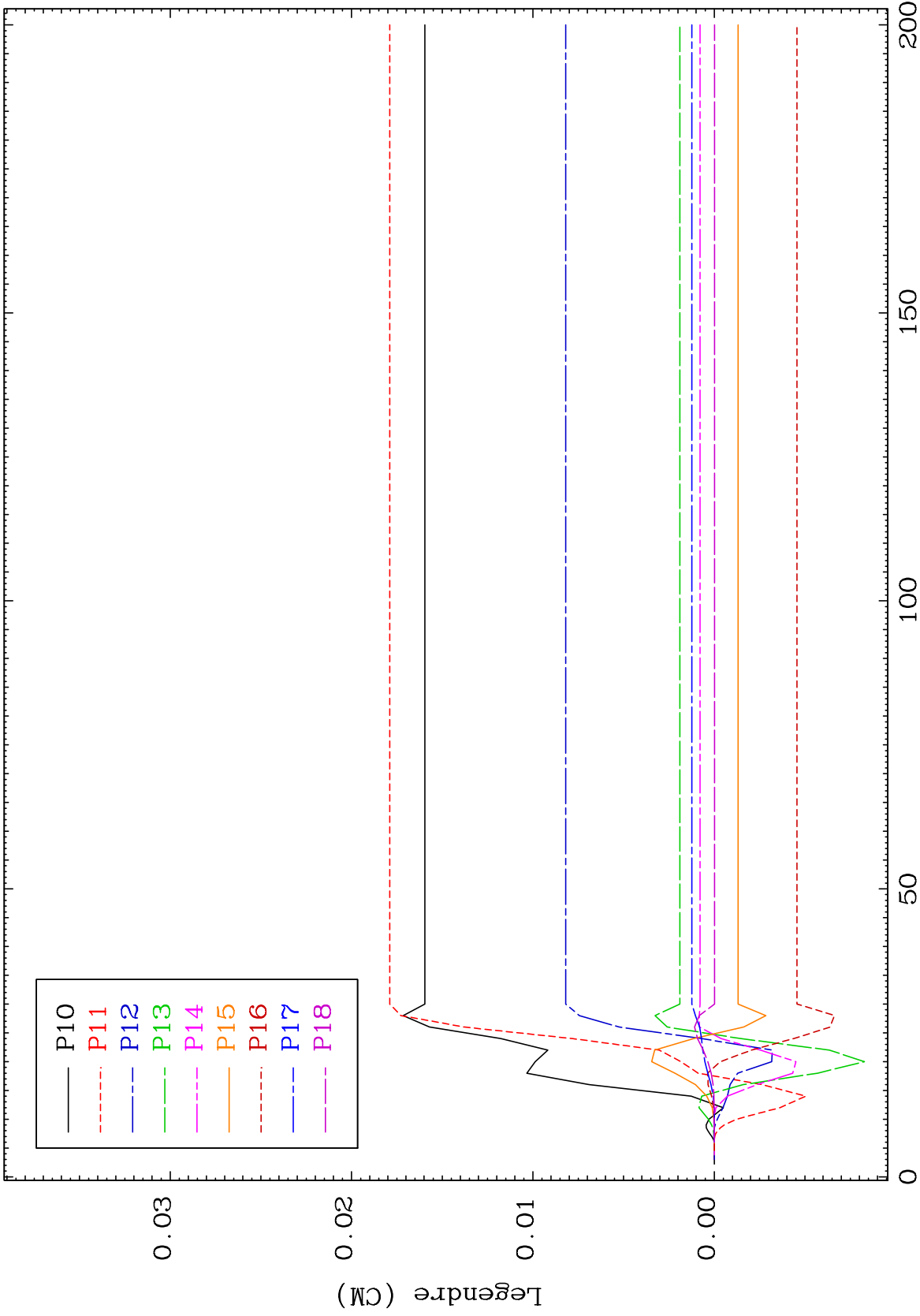


Legendre (CM) Incident Energy (MeV) 60-Nd-135

MAT 6004

MT= 76 (n,n') Level
Legendre Coefficients

60-Nd-135



121

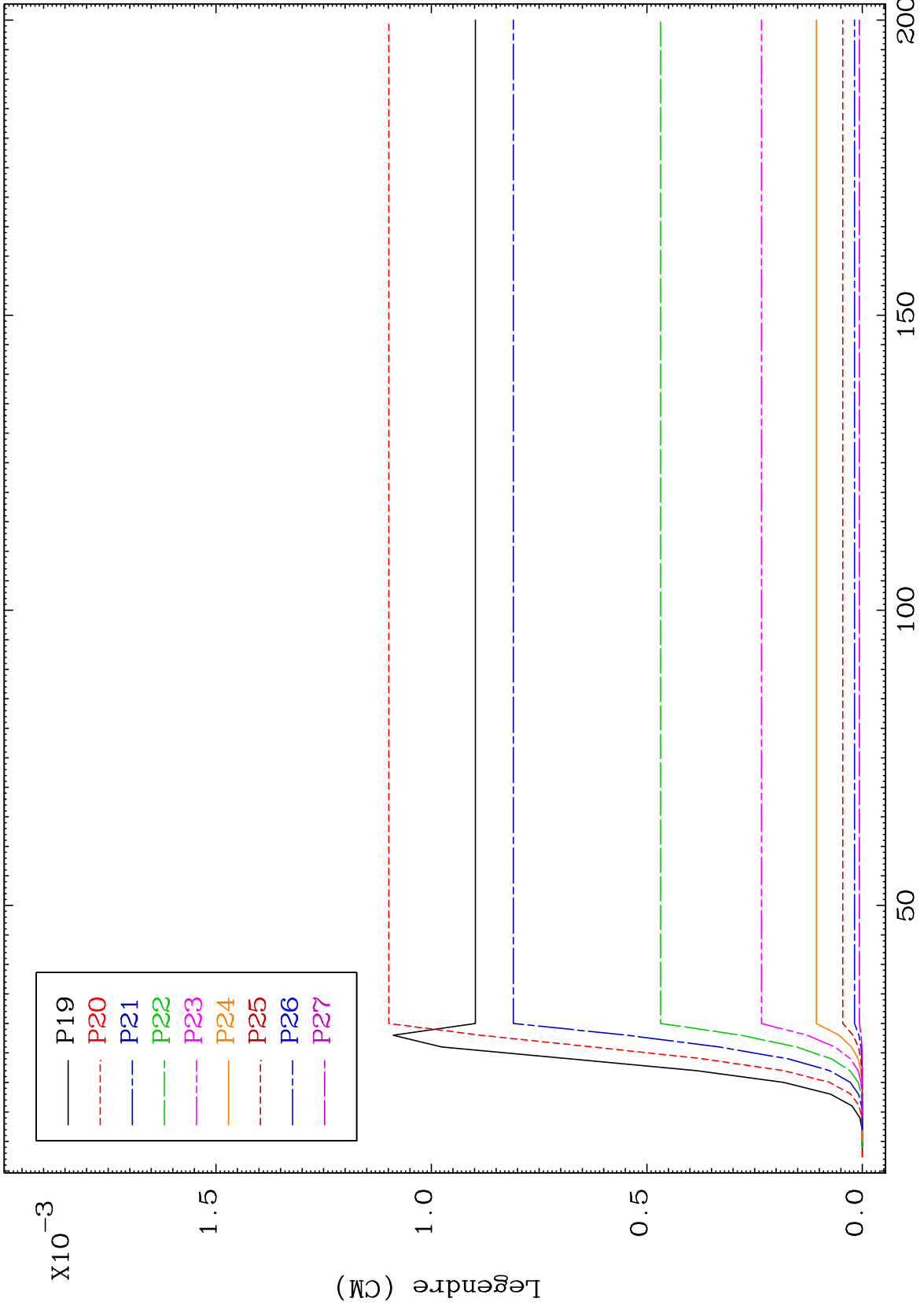
Incident Energy (MeV)

60-Nd-135

MAT 6004

MT= 76 (n,n') Level
Legendre Coefficients

60-Nd-135

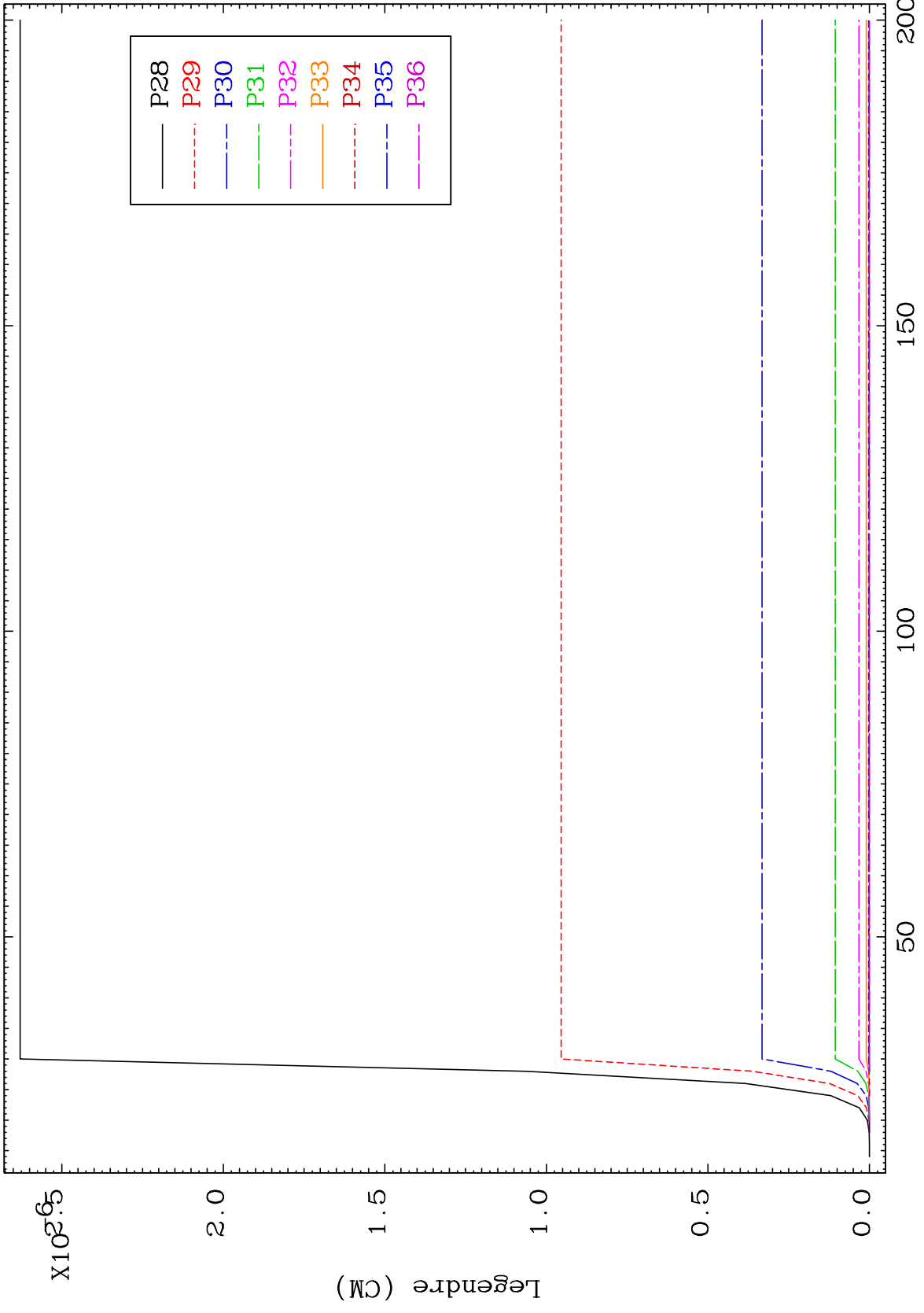


122

Incident Energy (MeV)

60-Nd-135

MAT 6004 MT= 76 (n,n') Level Legendre Coefficients 60-Nd-135

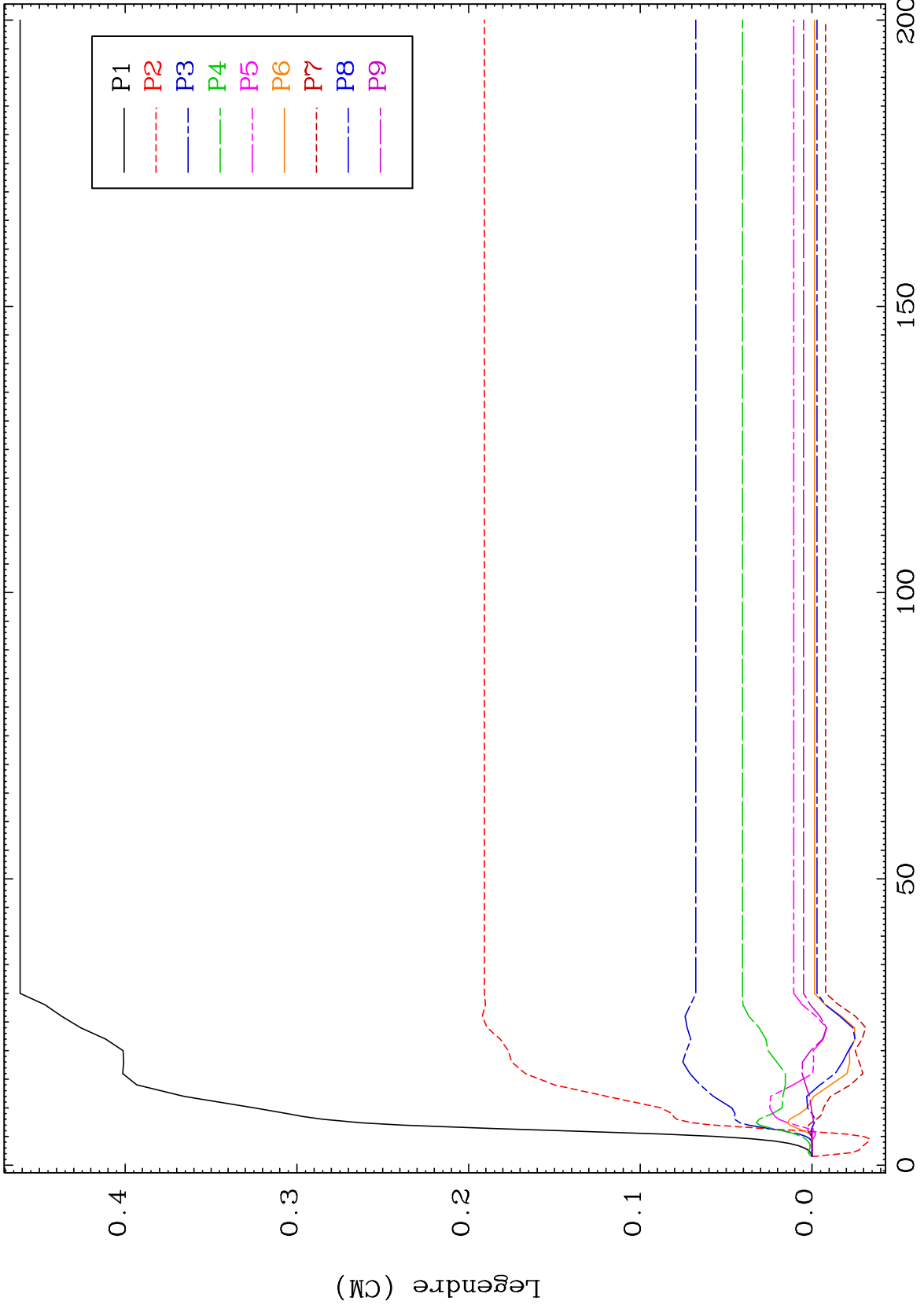


123 60-Nd-135

MAT 6004

MT= 77 (n,n') Level
Legendre Coefficients

60-Nd-135



124

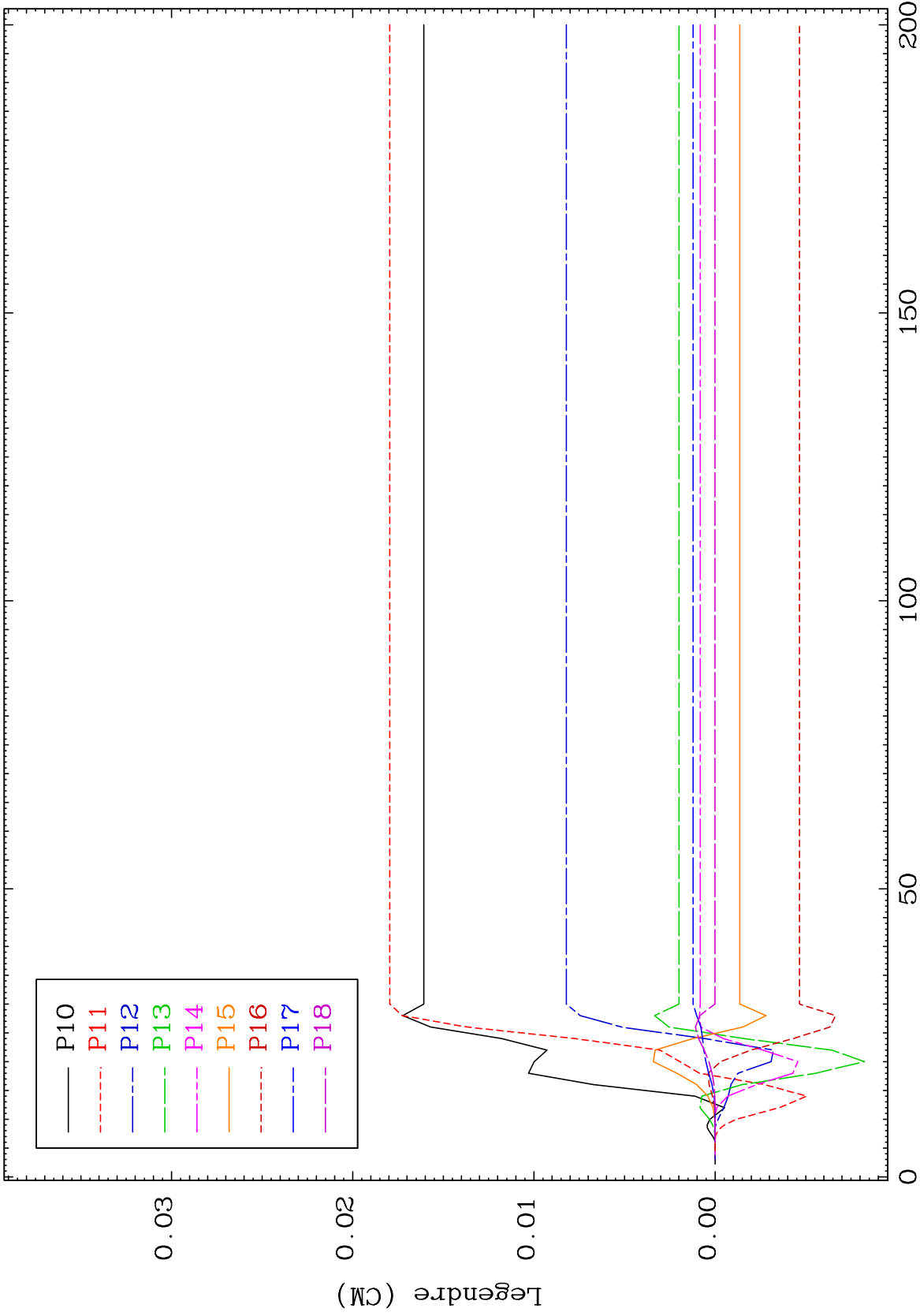
Incident Energy (MeV)

60-Nd-135

MAT 6004

MT= 77 (n,n') Level
Legendre Coefficients

60-Nd-135



125

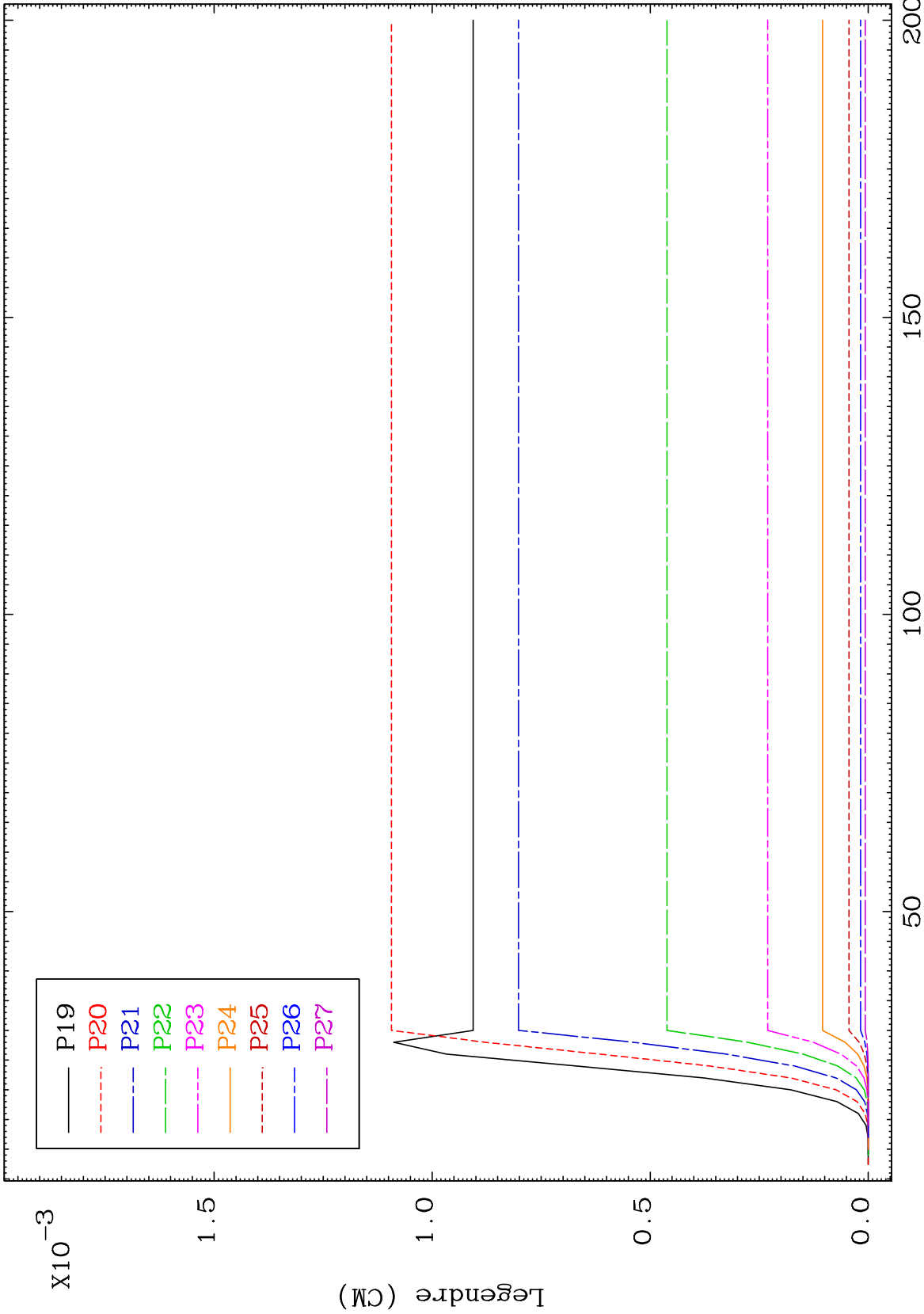
Incident Energy (MeV)

60-Nd-135

MAT 6004

MT= 77 (n,n') Level
Legendre Coefficients

60-Nd-135



126

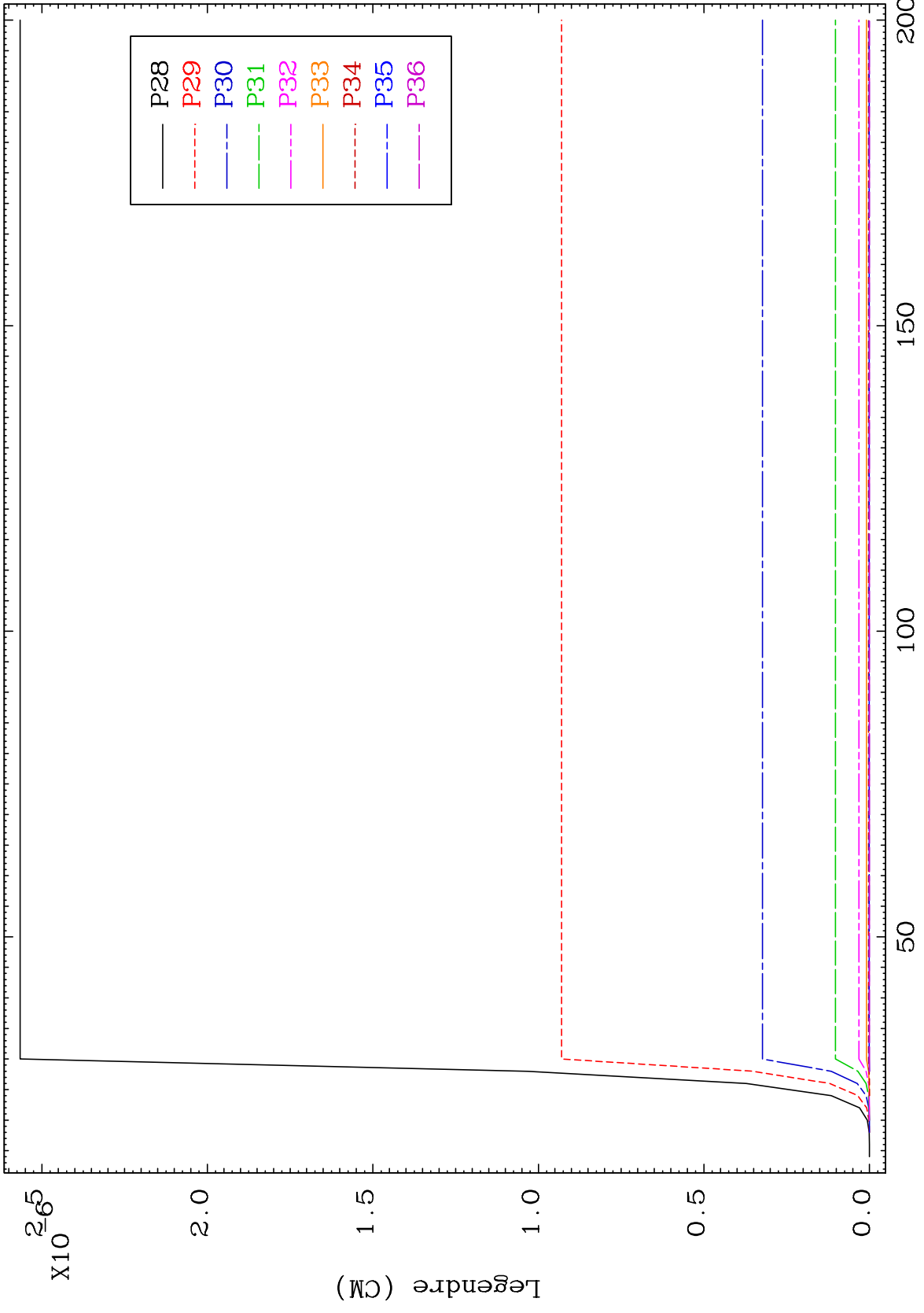
Incident Energy (MeV)

60-Nd-135

MAT 6004

MT= 77 (n,n') Level
Legendre Coefficients

60-Nd-135

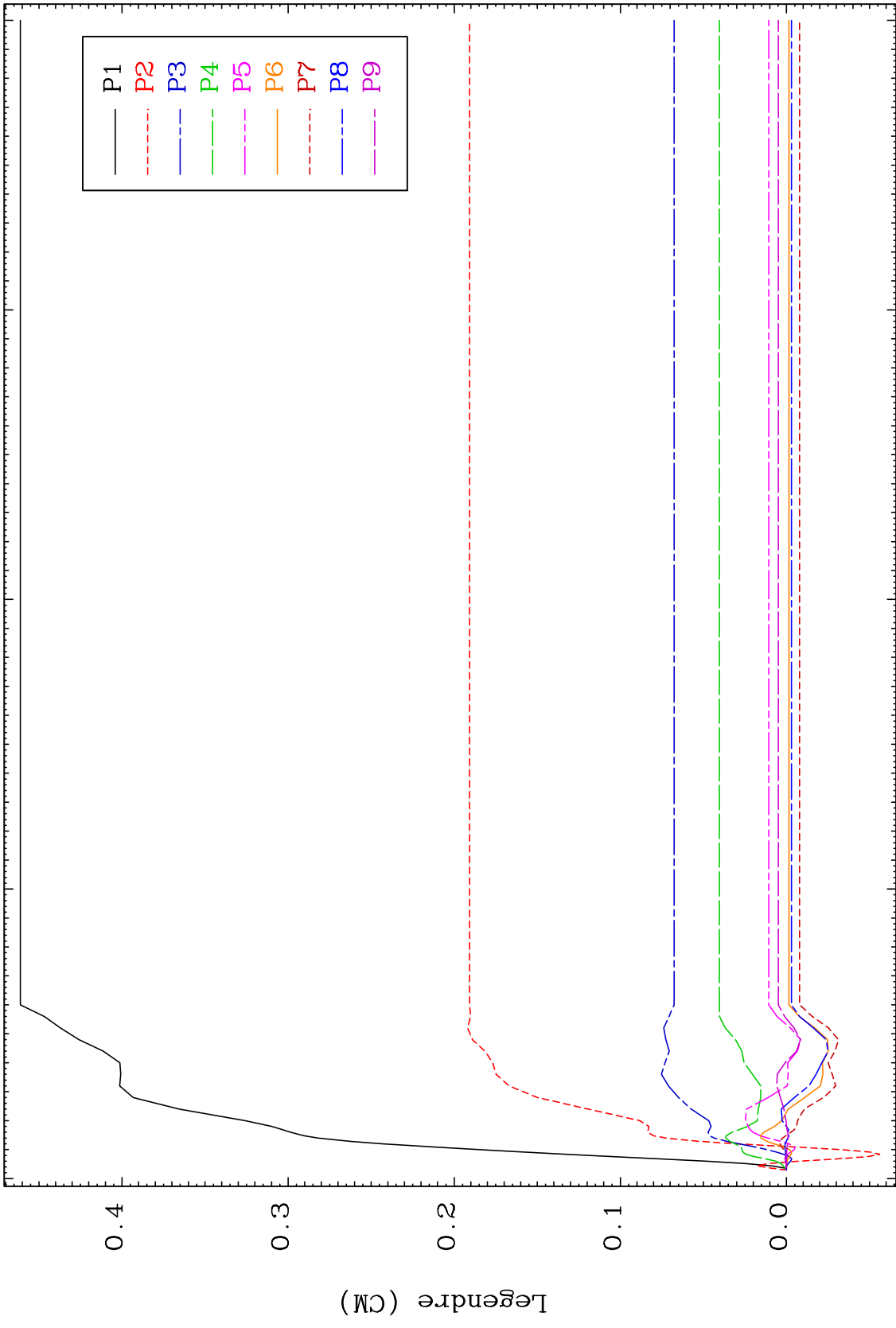


127

Incident Energy (MeV)

60-Nd-135

MAT 6004 MT= 78 (n,n') Level Legendre Coefficients 60-Nd-135

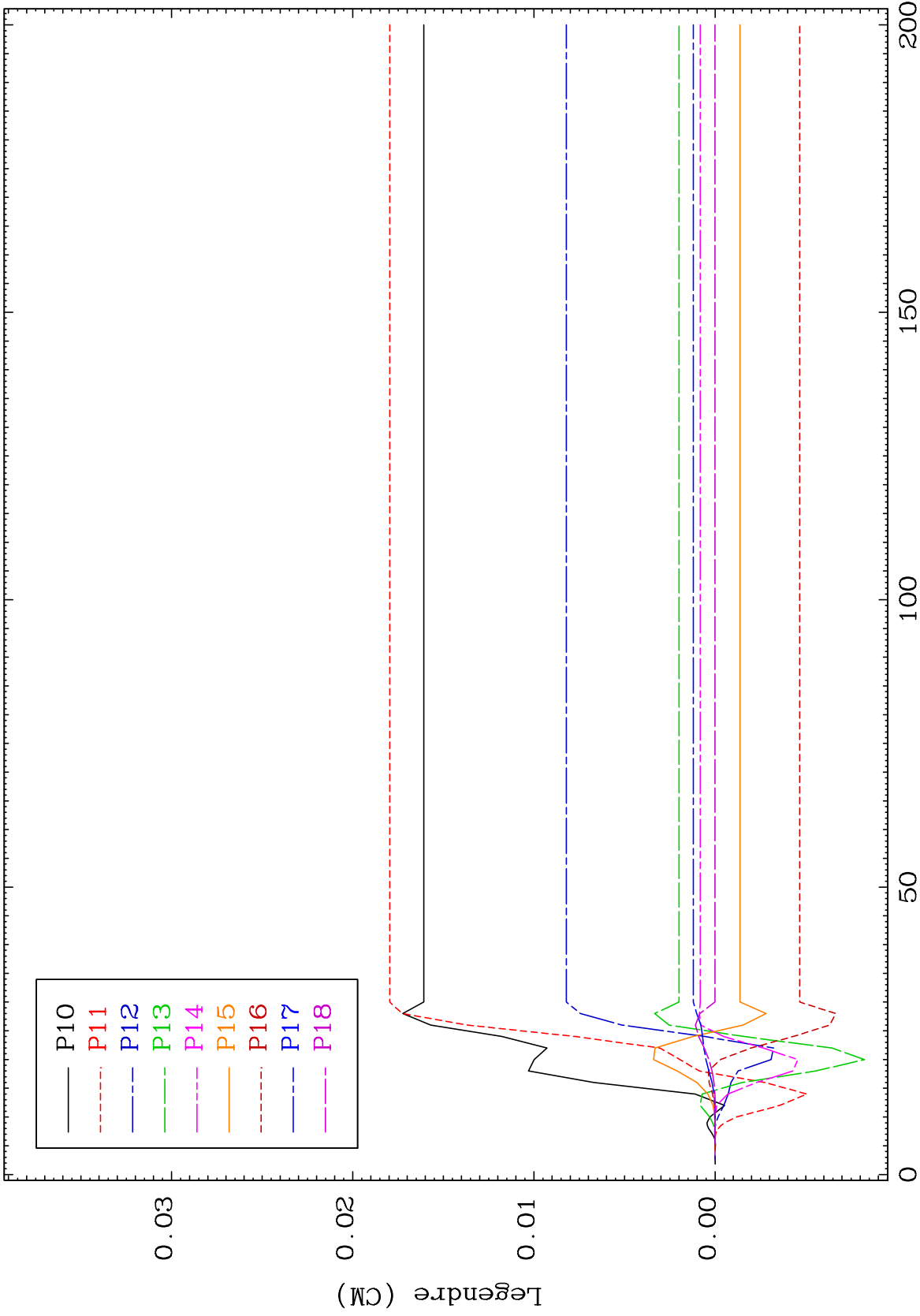


128 60-Nd-135

MAT 6004

MT= 78 (n,n') Level
Legendre Coefficients

60-Nd-135



129

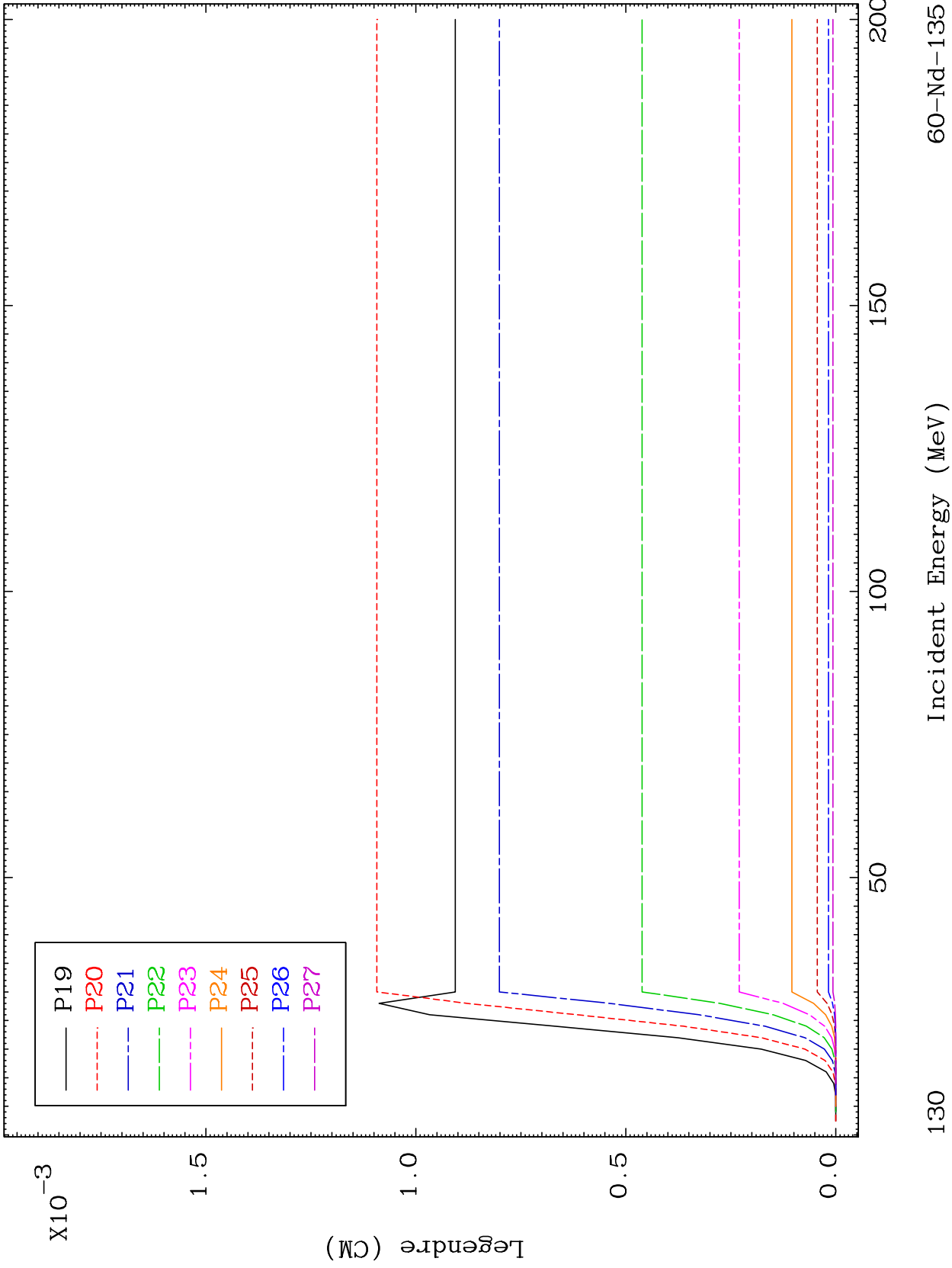
Incident Energy (MeV)

60-Nd-135

MAT 6004

MT= 78 (n,n') Level
Legendre Coefficients

60-Nd-135



130

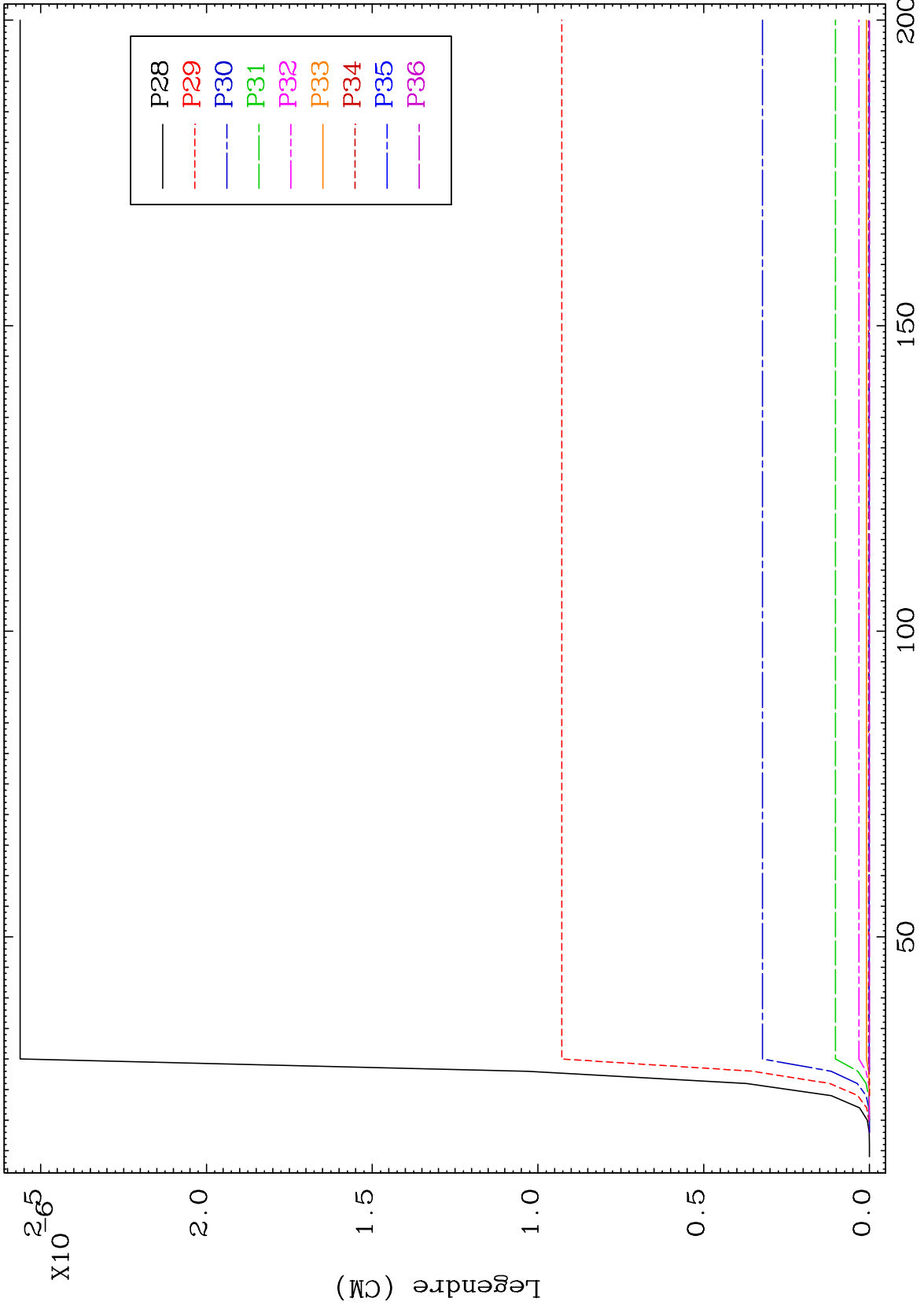
Incident Energy (MeV)

60-Nd-135

MAT 6004

MT= 78 (n,n') Level
Legendre Coefficients

60-Nd-135



131

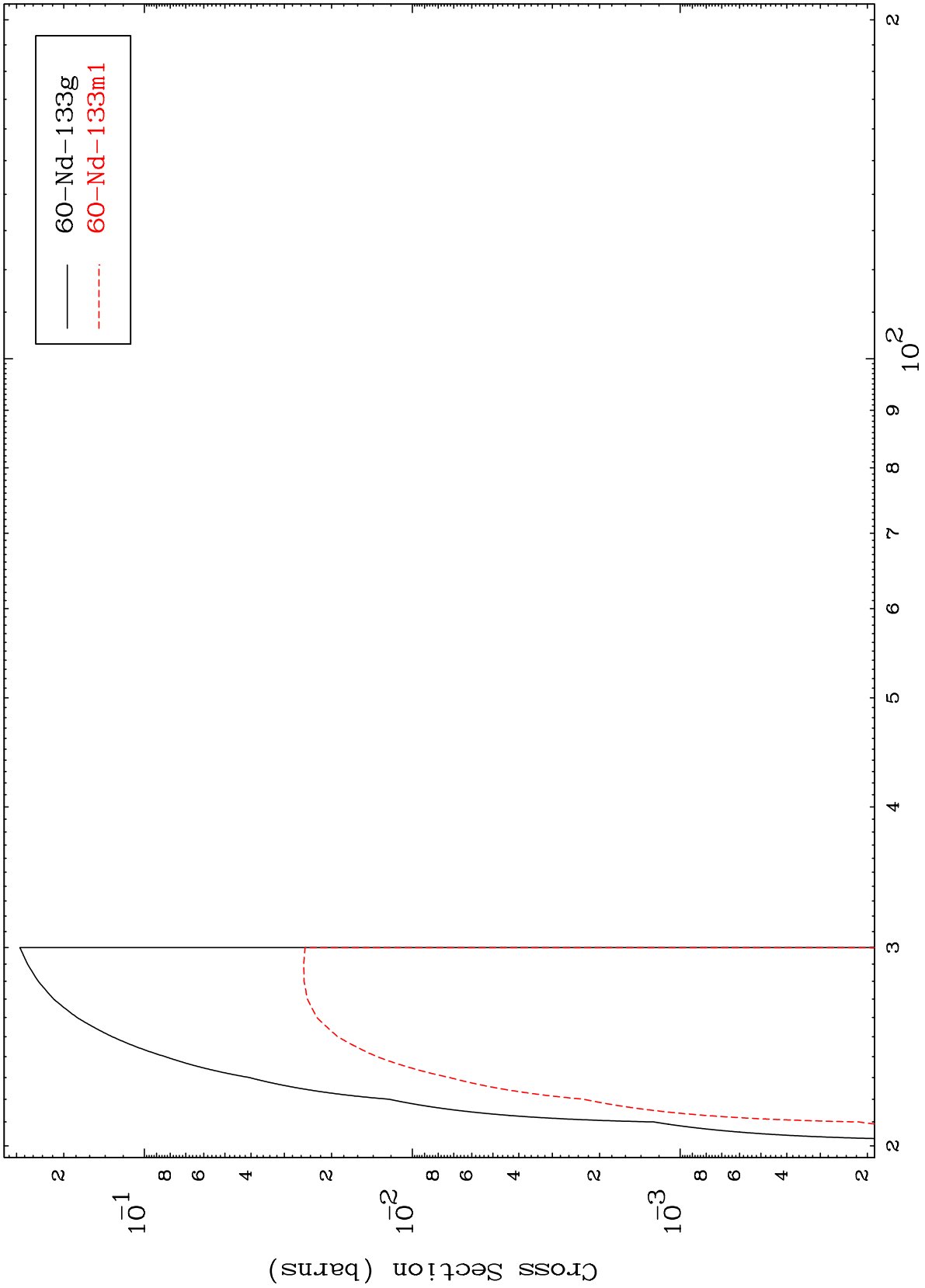
60-Nd-135

MAT 6004

(n,3n)

⁶⁰Nd-135

Radionuclide Production Cross Section



132

Incident Energy (MeV)

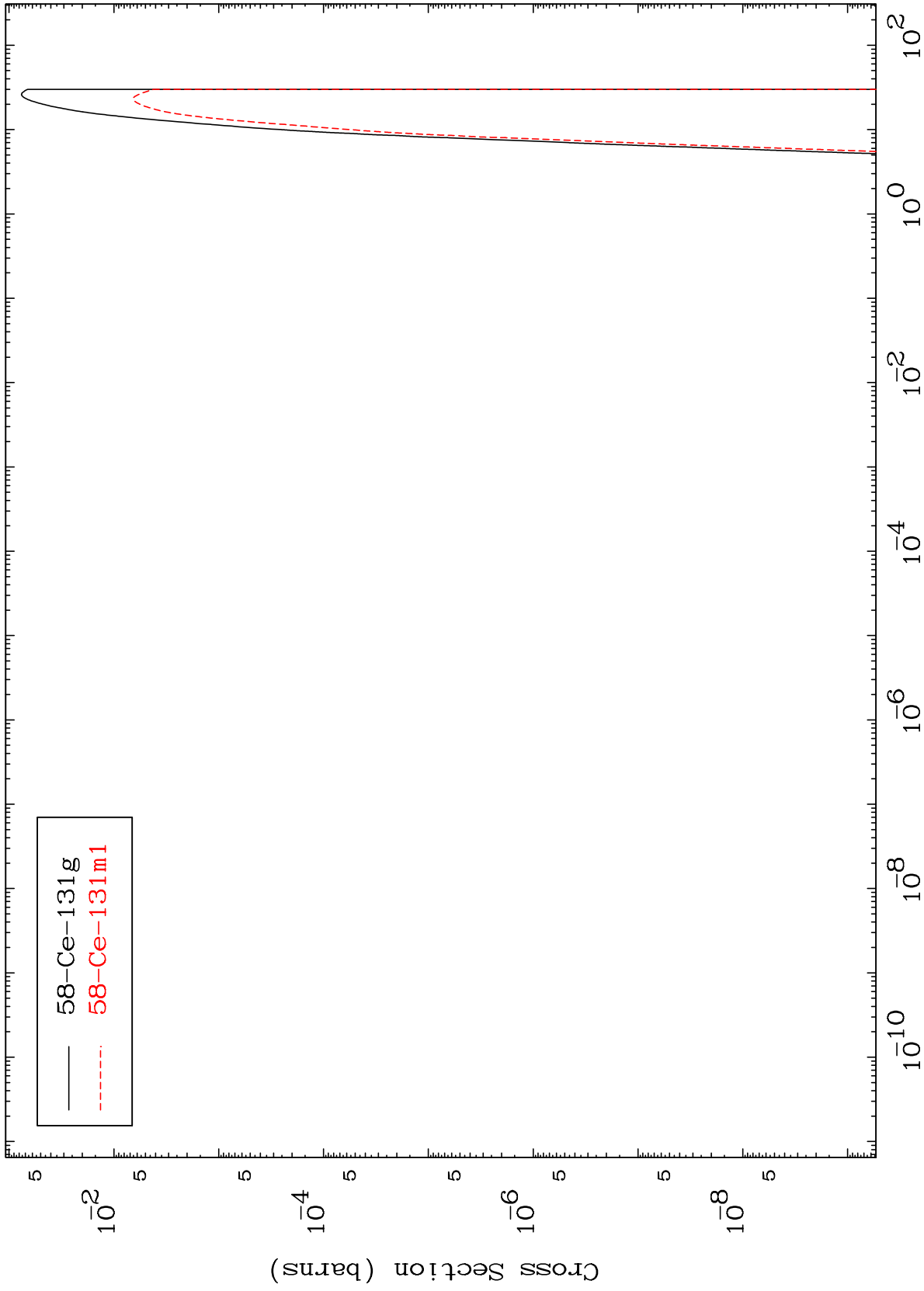
⁶⁰Nd-135

MAT 6004

$(n, n') \alpha$

$^{60}\text{Nd}-135$

Radionuclide Production Cross Section



133

Incident Energy (MeV)

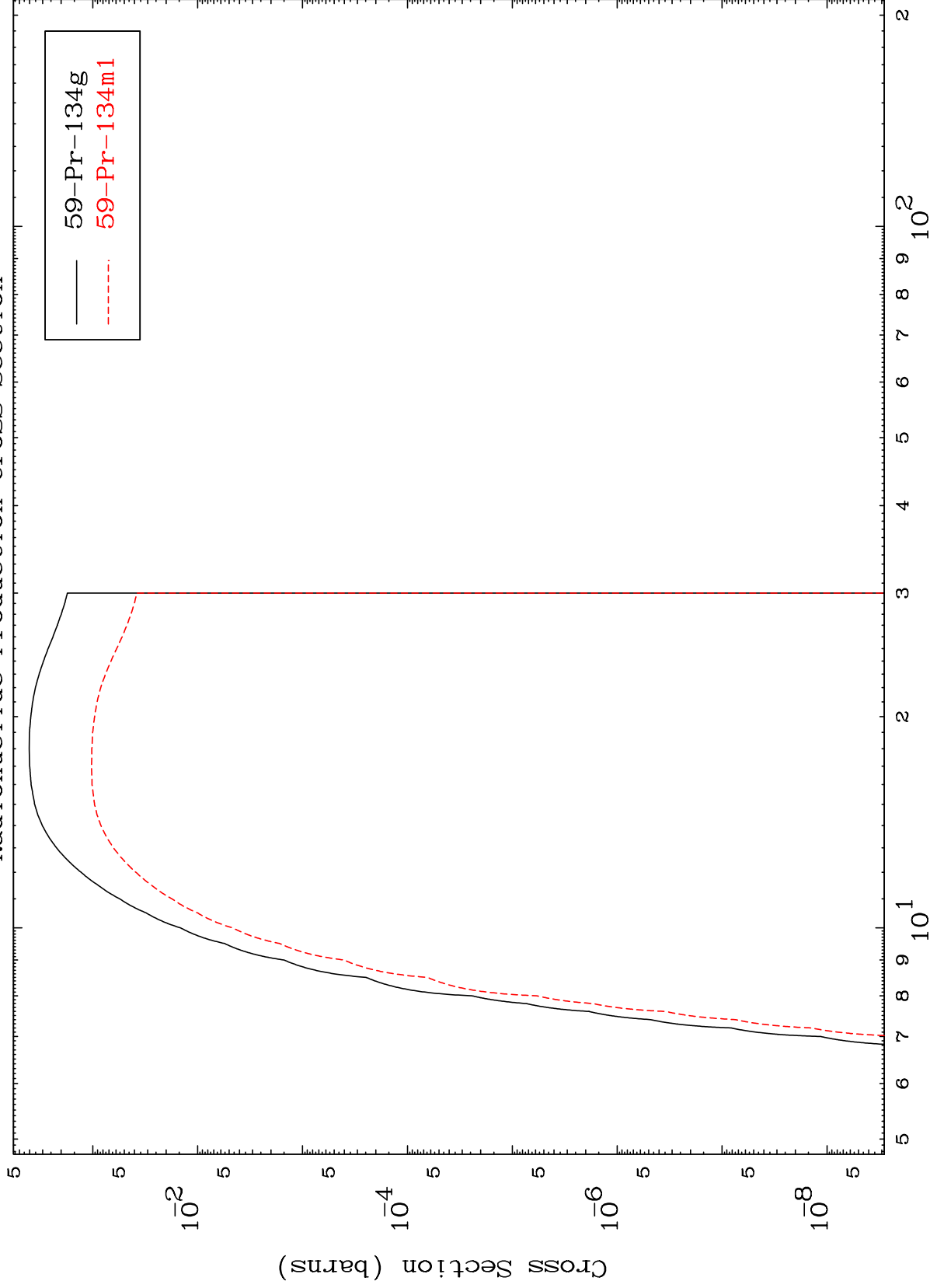
$^{60}\text{Nd}-135$

MAT 6004

(n,n') p

60-Nd-135

Radionuclide Production Cross Section



134

Incident Energy (MeV)

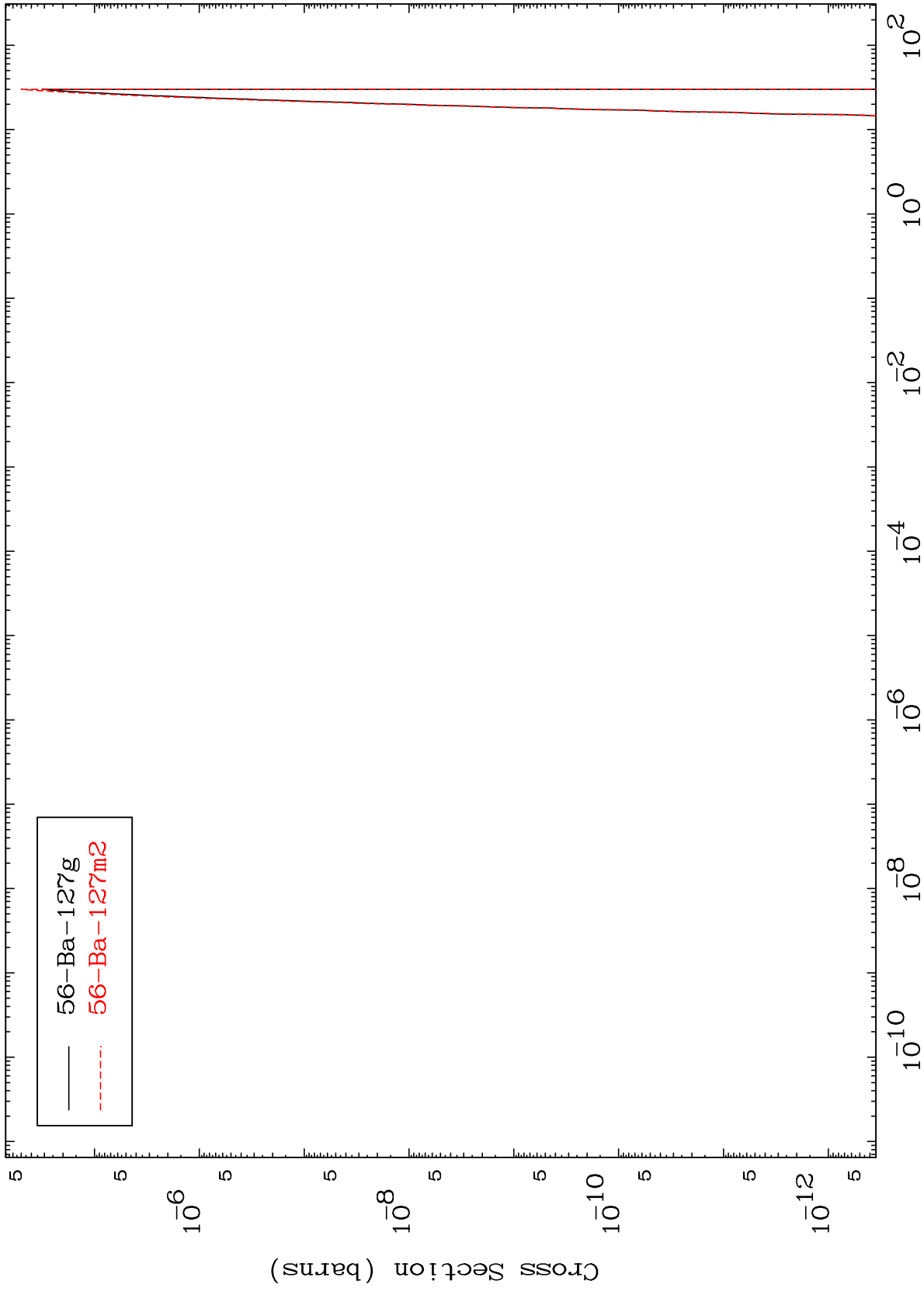
60-Nd-135

MAT 6004

(n,n') 2 α

60-Nd-135

Radionuclide Production Cross Section



135

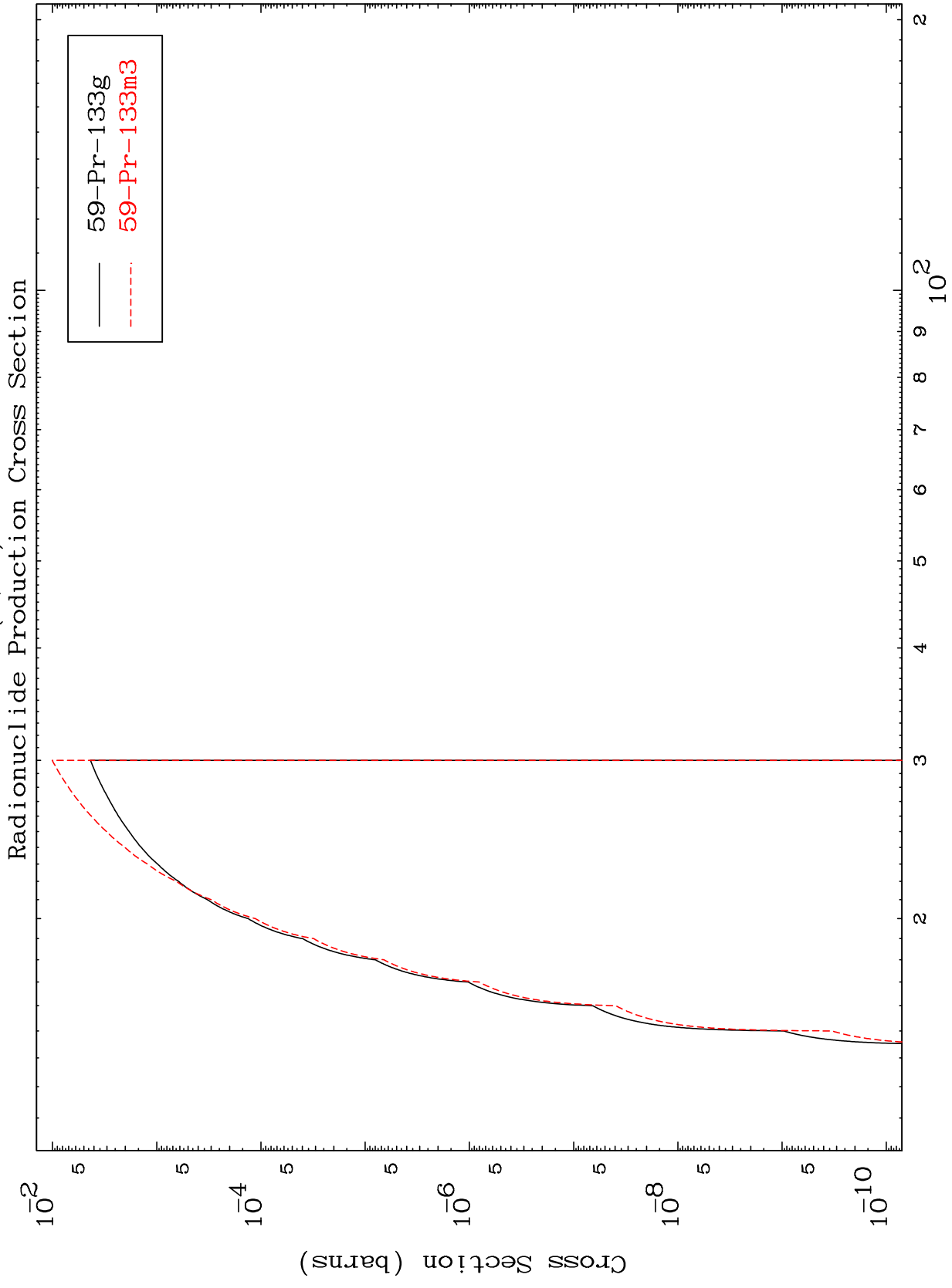
Incident Energy (MeV)

60-Nd-135

MAT 6004

(n, n') d

60-Nd-135



136

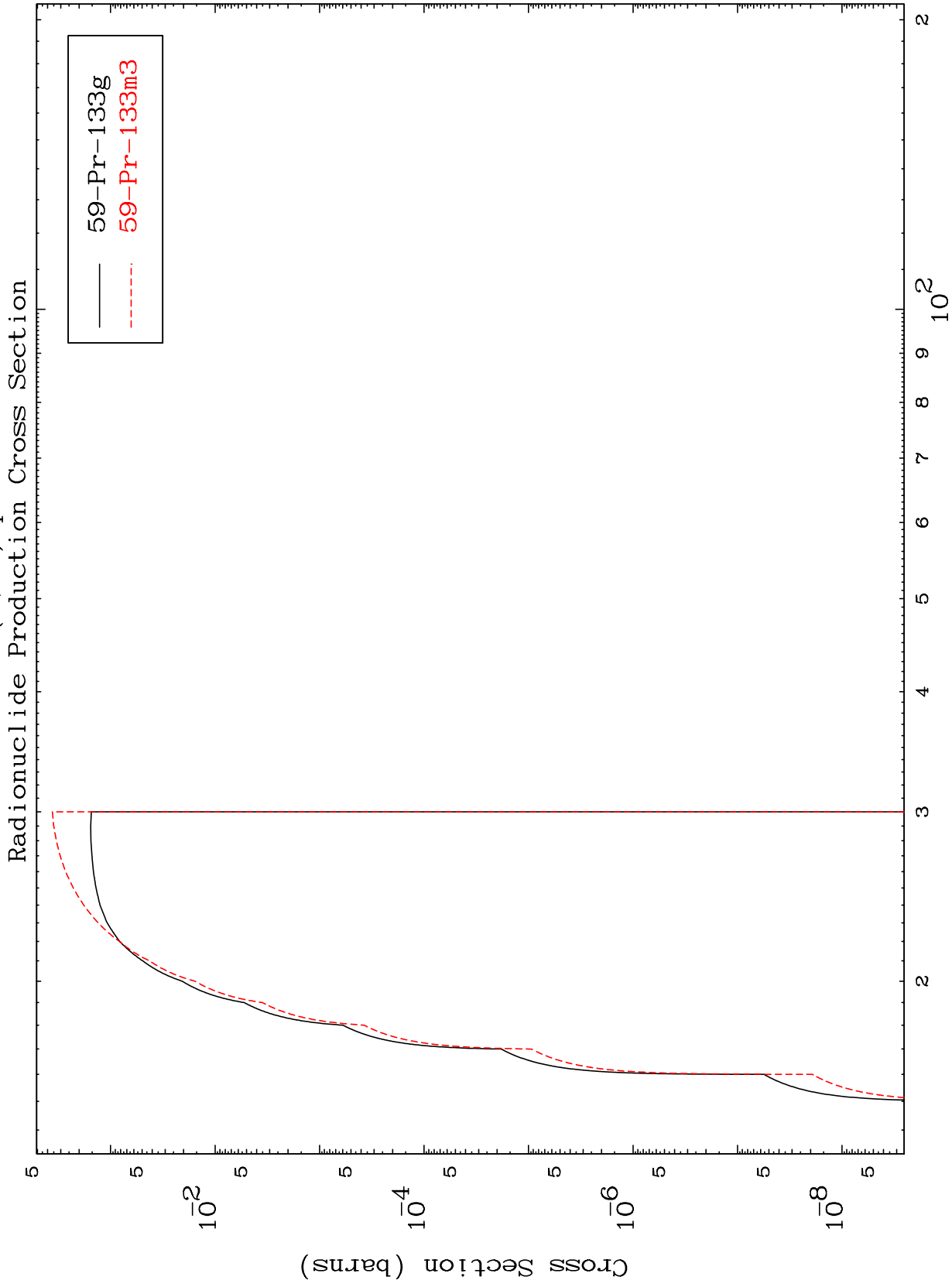
Incident Energy (MeV)

60-Nd-135

MAT 6004

(n,2n) p

60-Nd-135



137

Incident Energy (MeV)

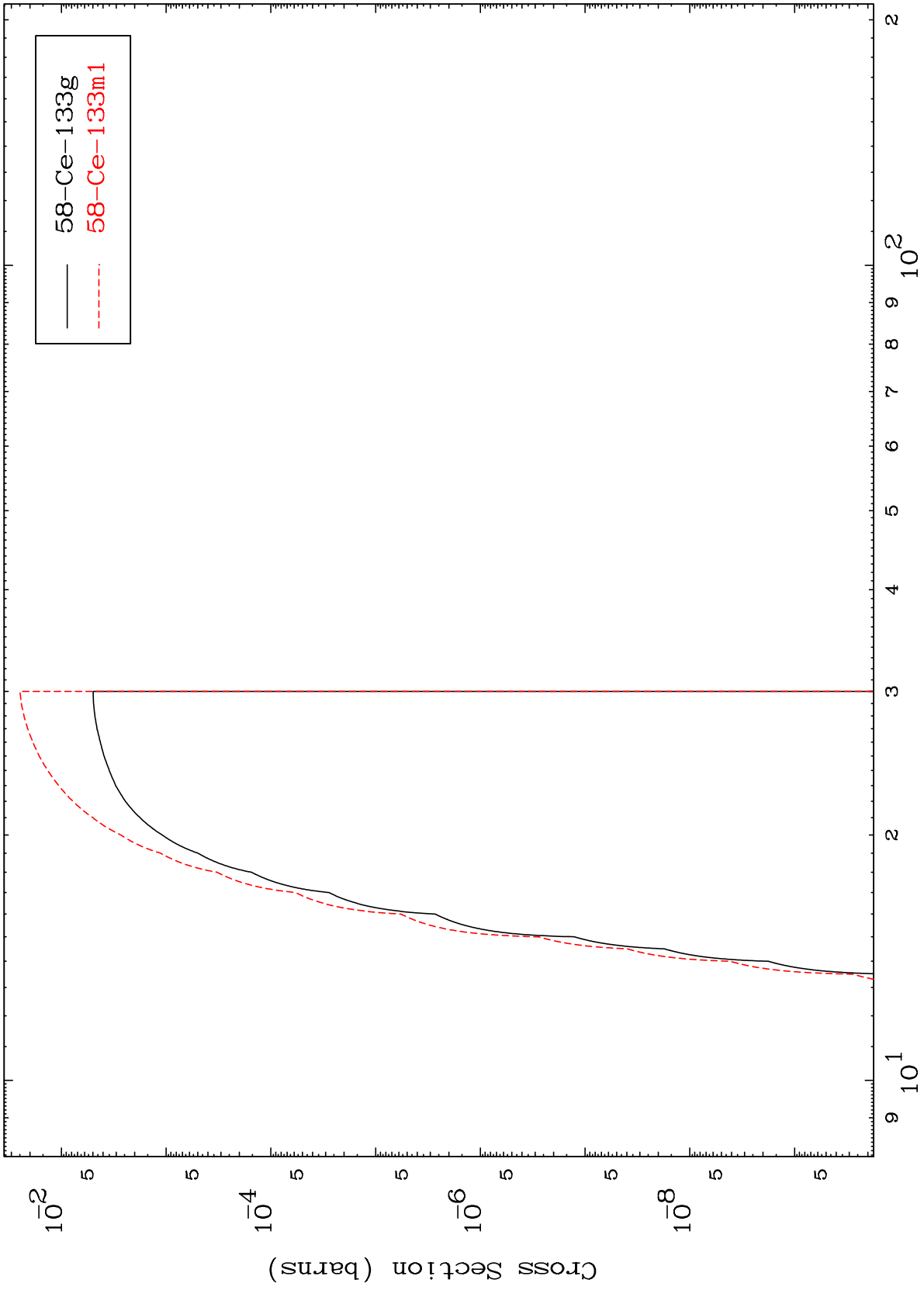
60-Nd-135

MAT 6004

(n,2n) p

60-Nd-135

Radionuclide Production Cross Section



138

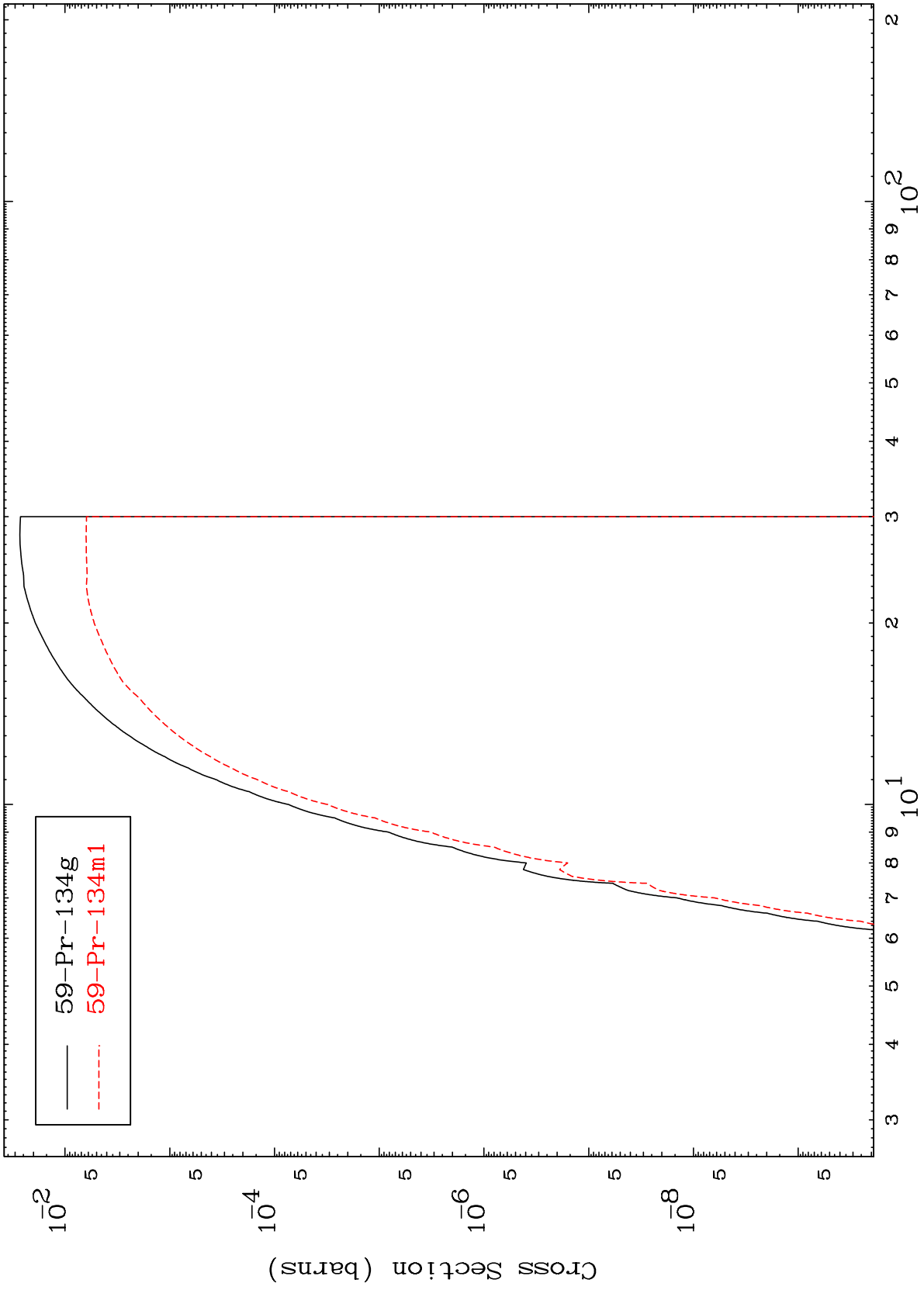
Incident Energy (MeV)

60-Nd-135

MAT 6004

60-Nd-135

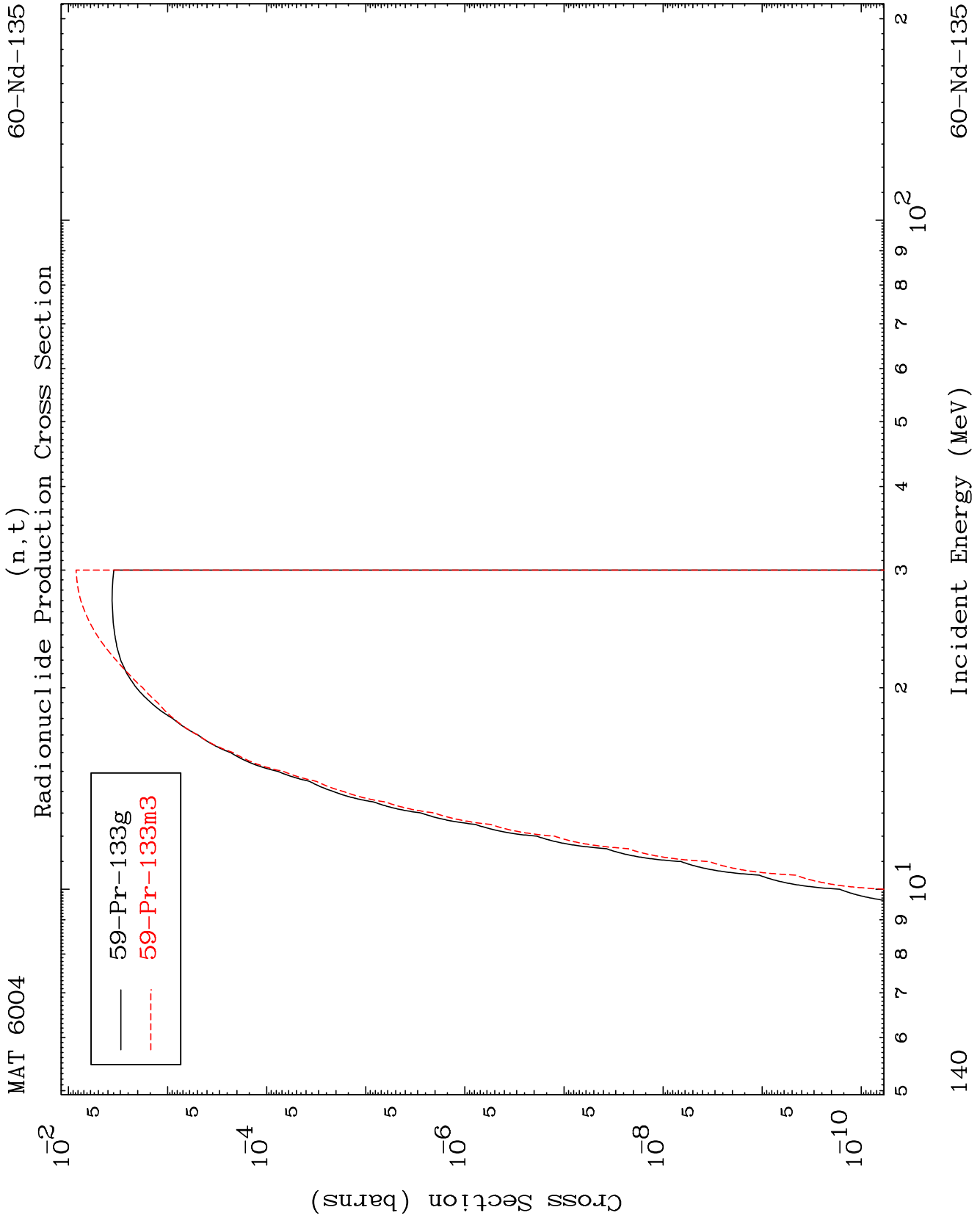
(n,d)
Radionuclide Production Cross Section



139

Incident Energy (MeV)

60-Nd-135

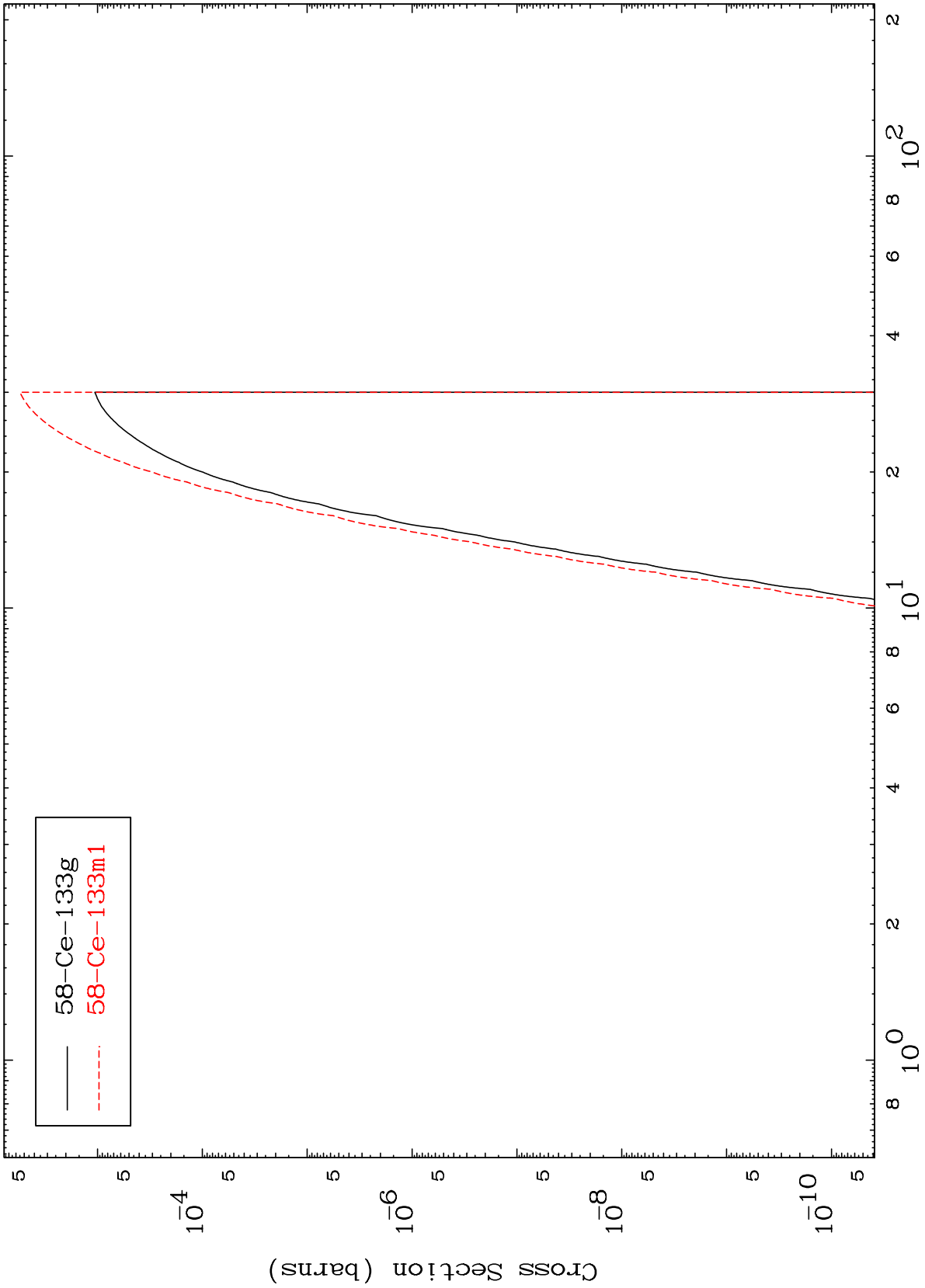


MAT 6004

(n, He-3)

60-Nd-135

Radionuclide Production Cross Section



141

Incident Energy (MeV)

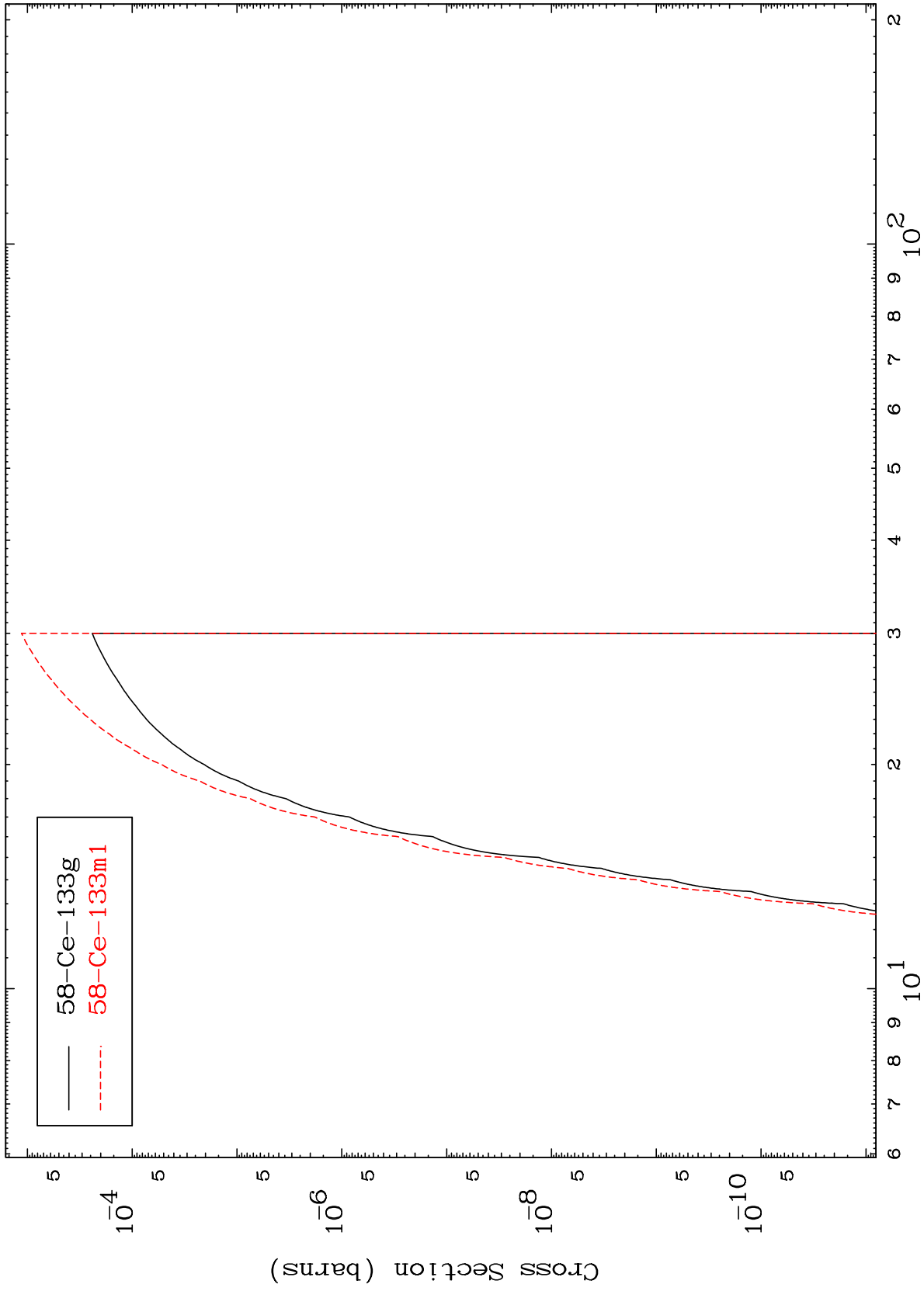
60-Nd-135

MAT 6004

(n,p) d

60-Nd-135

Radionuclide Production Cross Section



142

Incident Energy (MeV)

60-Nd-135