

Program EVALPLOT
(Version 2018-1)

by

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(Present Contact Information)

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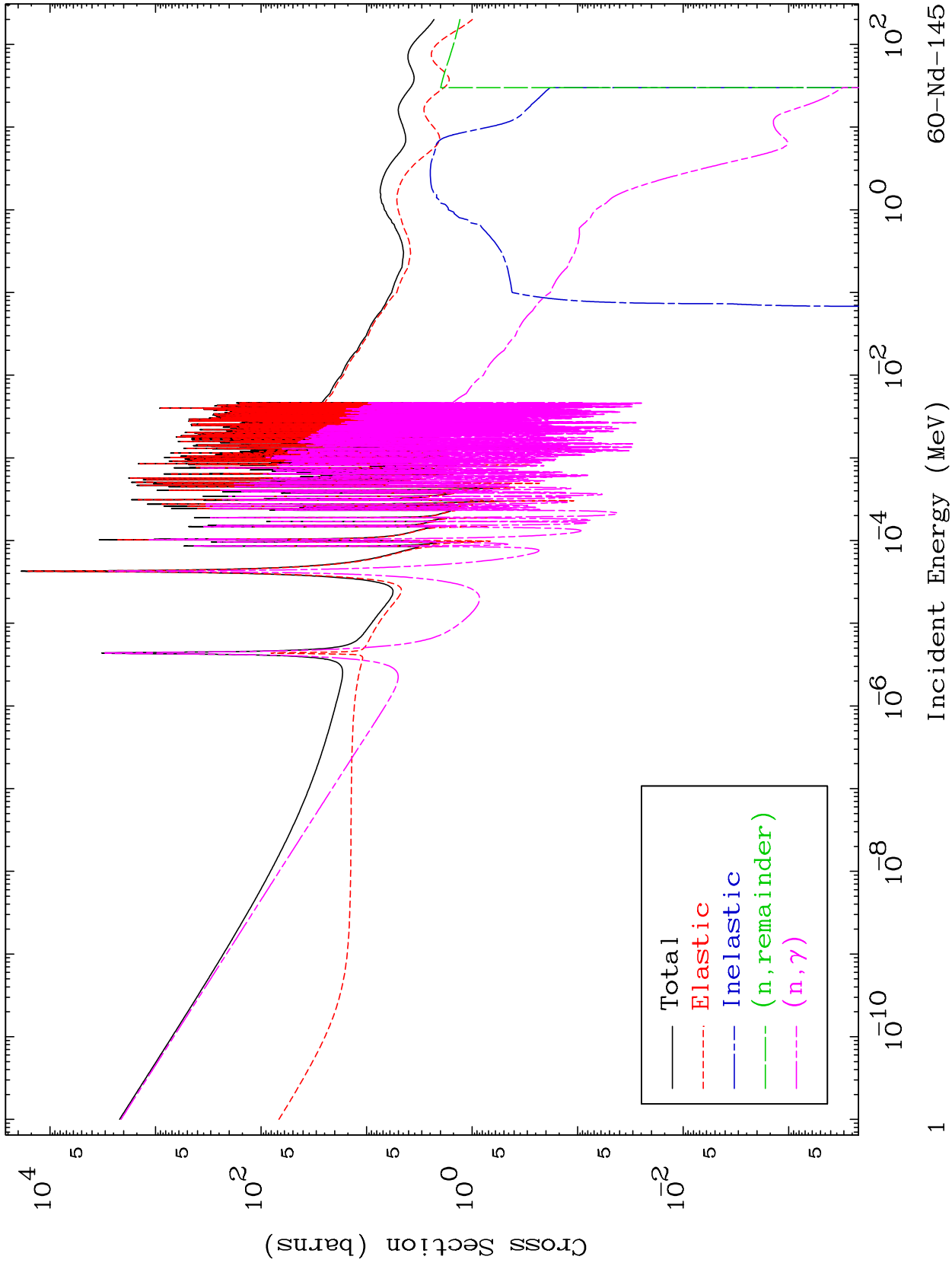
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6034

Major
293 Kelvin Cross Sections

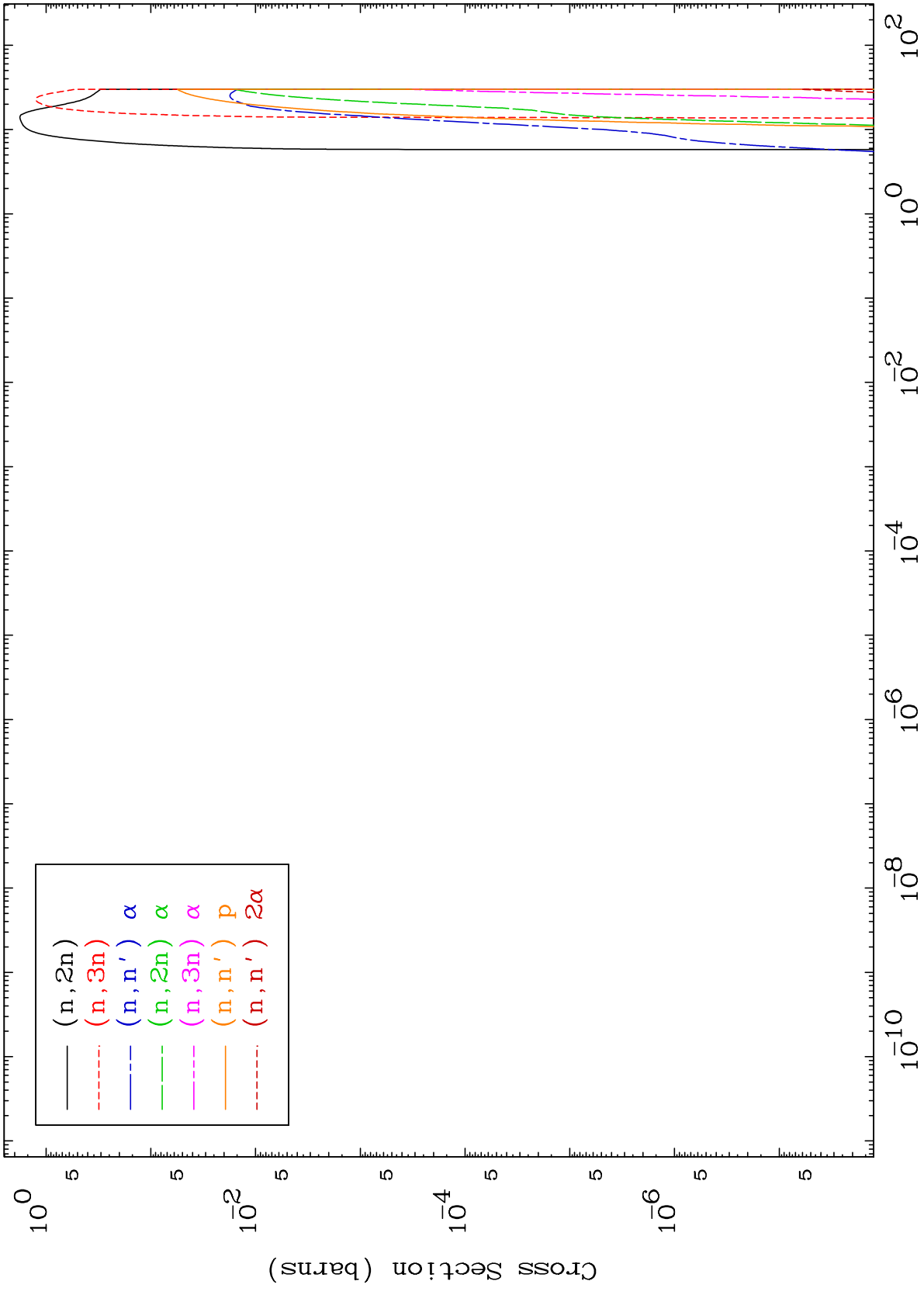
60-Nd-145



MAT 6034

Neutron Production 293 Kelvin Cross Sections

60-Nd-145

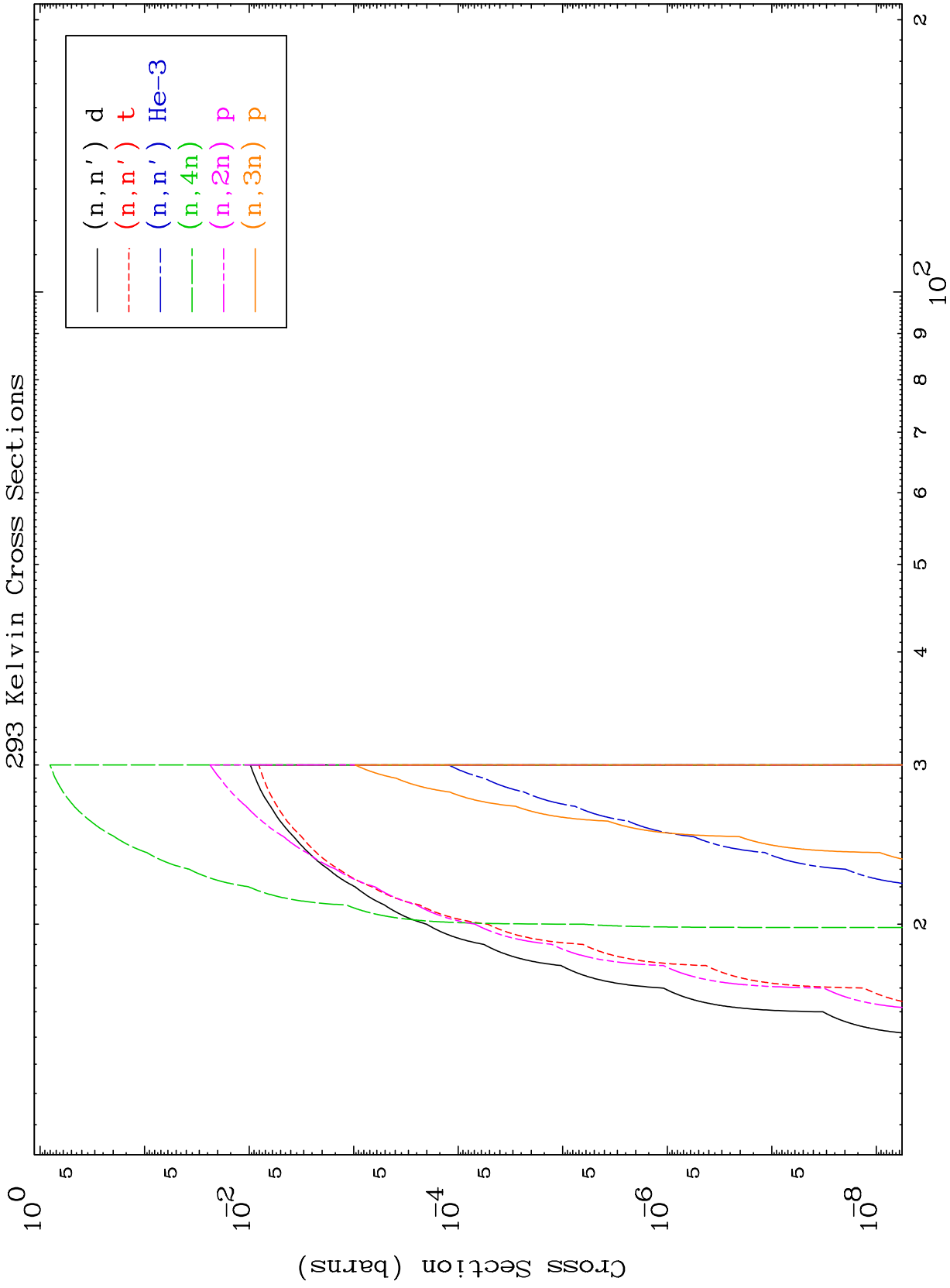


60-Nd-145

MAT 6034

Neutron Production
293 Kelvin Cross Sections

60-Nd-145



3

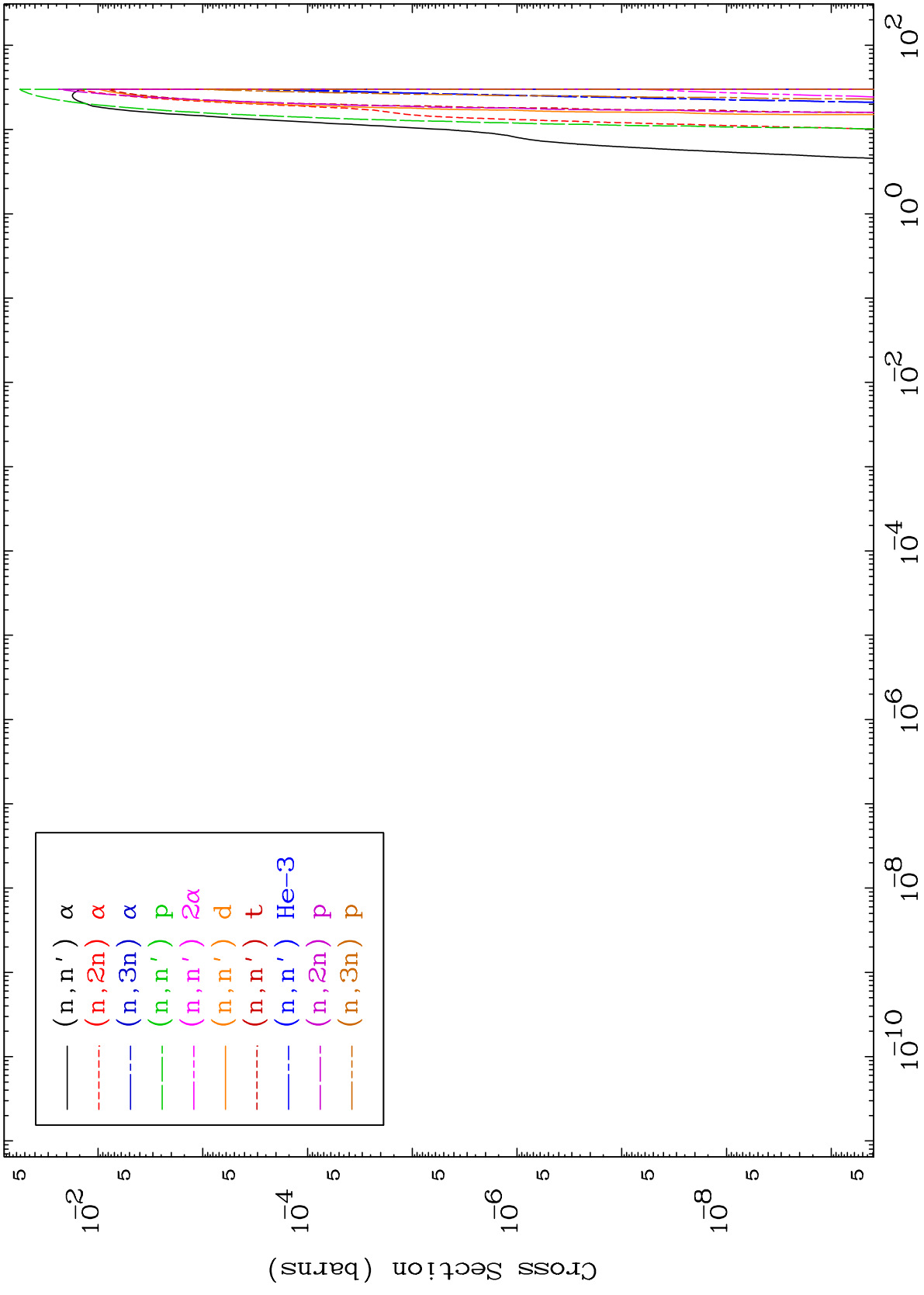
Incident Energy (MeV)

60-Nd-145

MAT 6034

293 Charged Particle
Kelvin Cross Sections

60-Nd-145

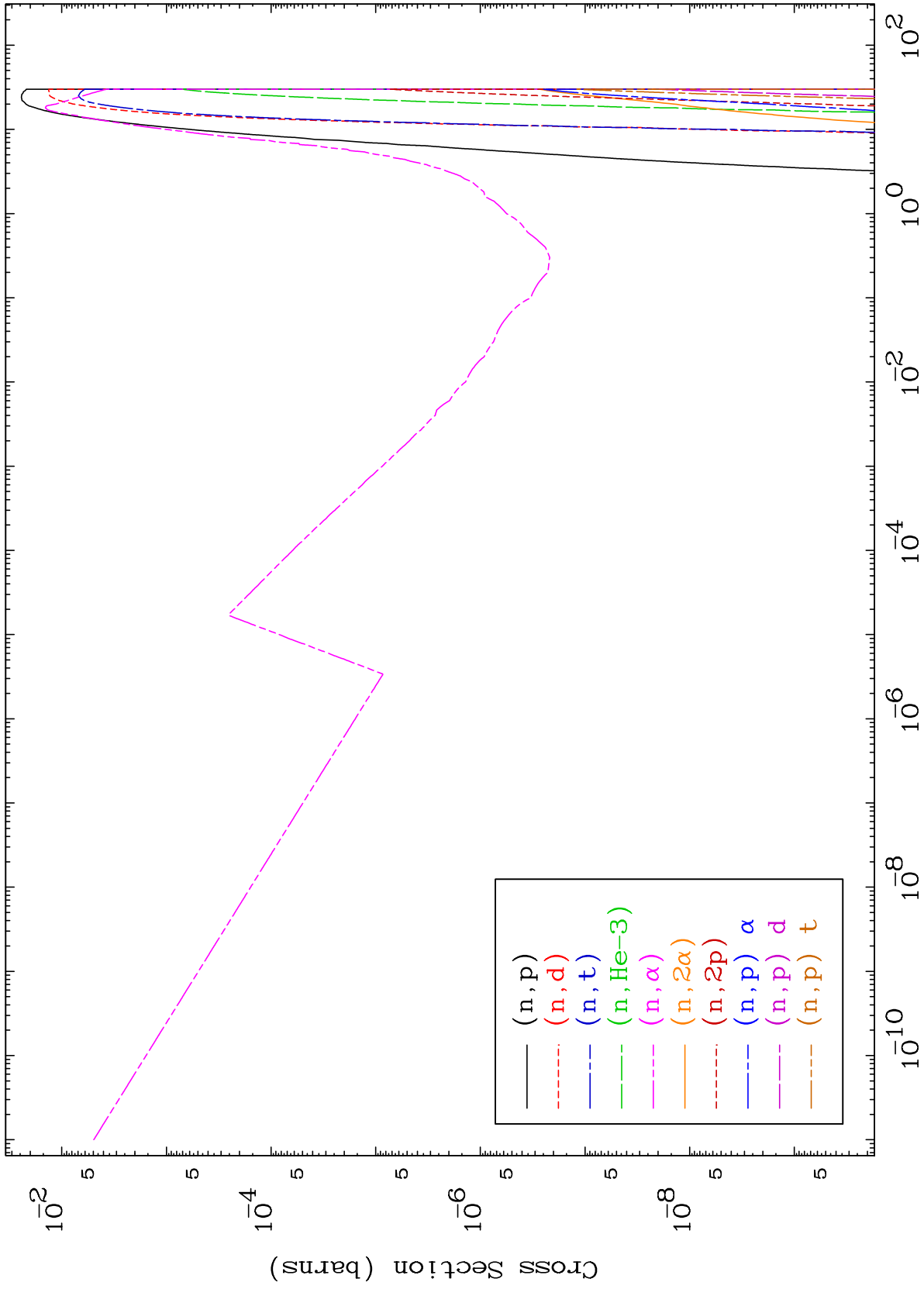


60-Nd-145

MAT 6034

Charged Particle
293 Kelvin Cross Sections

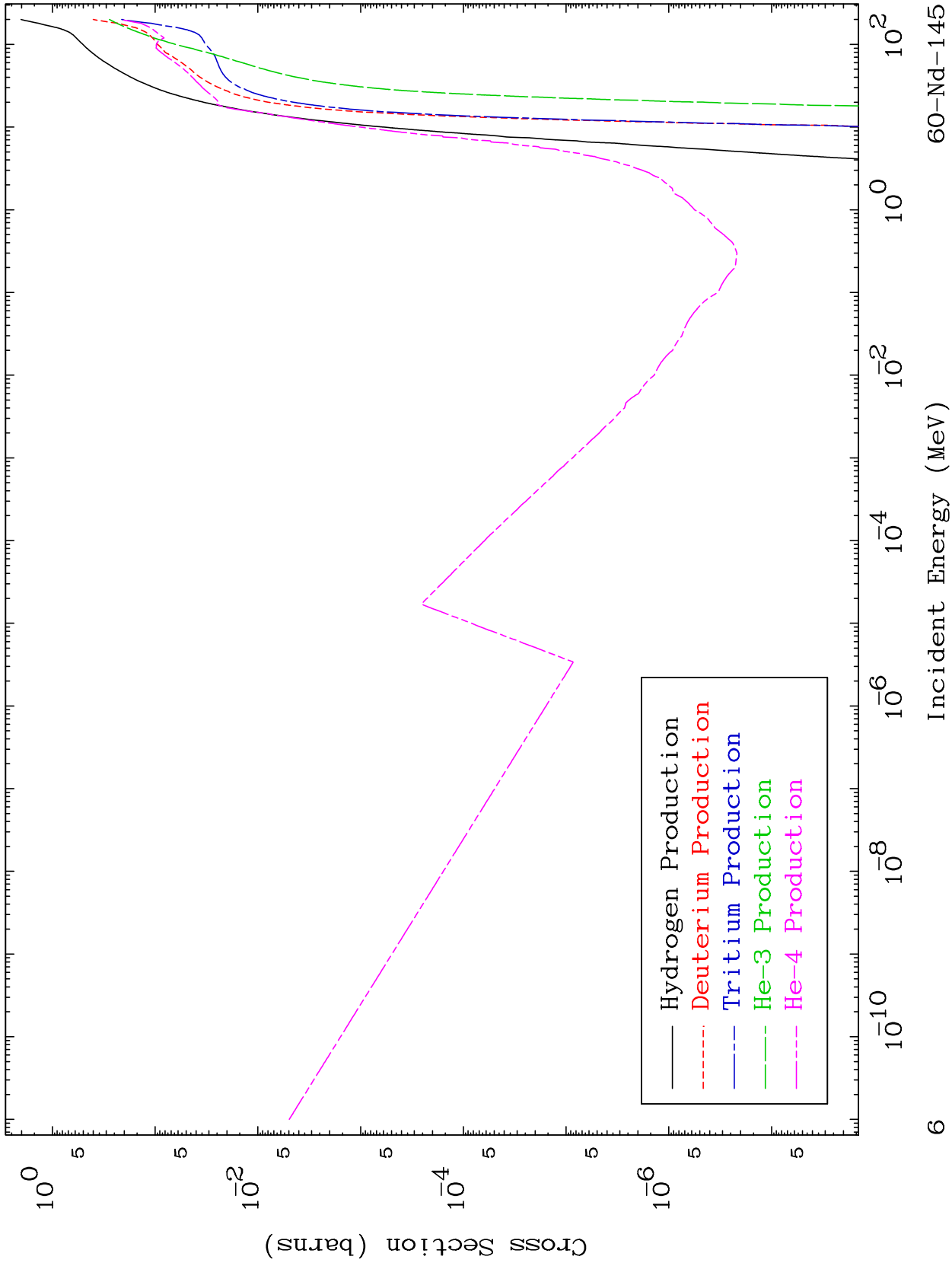
60-Nd-145



MAT 6034

Particle Production
293 Kelvin Cross Sections

60-Nd-145

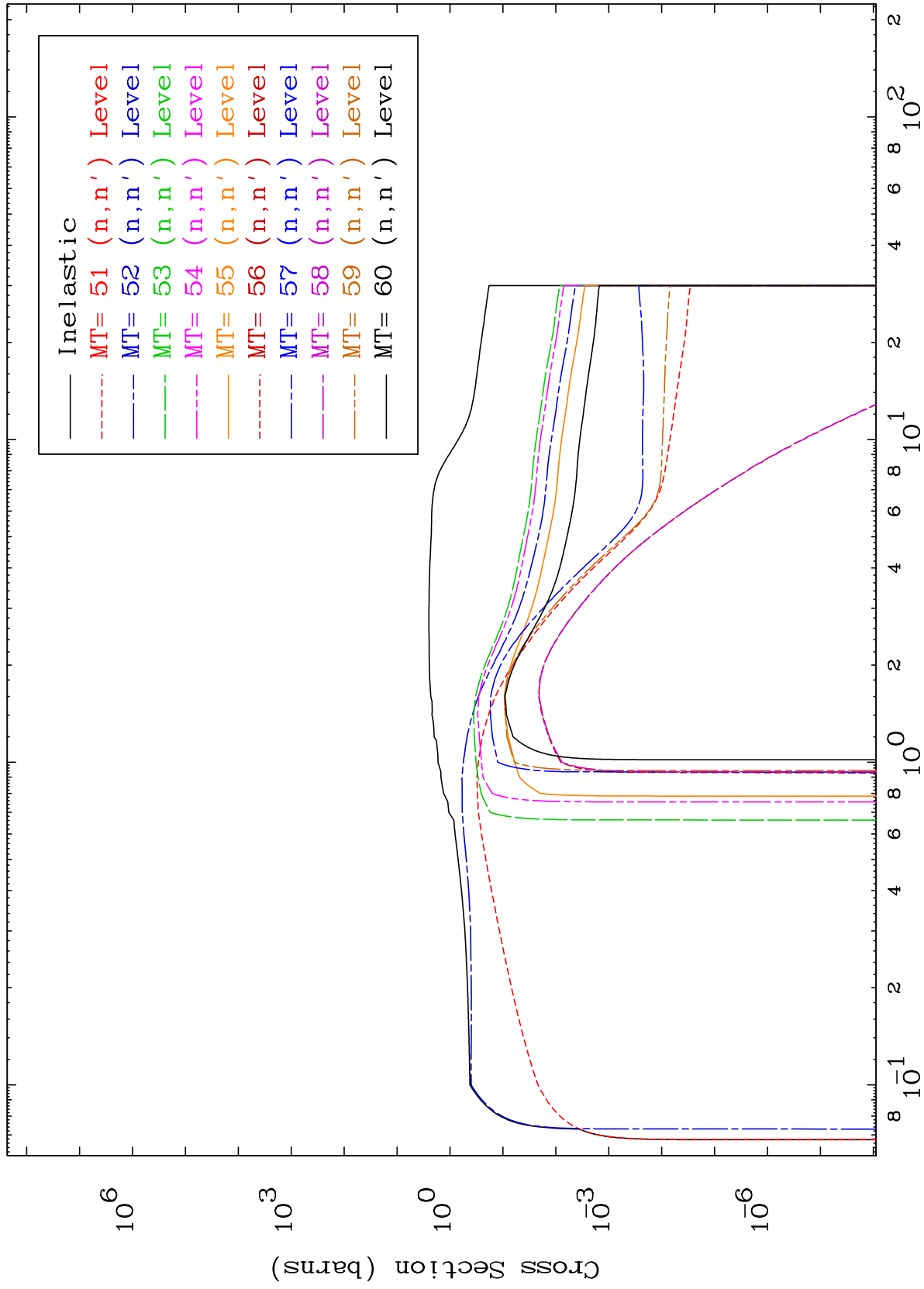


MAT 6034

(n,n') Level

60-Nd-145

293 Kelvin Cross Sections



7

Incident Energy (MeV)

60-Nd-145

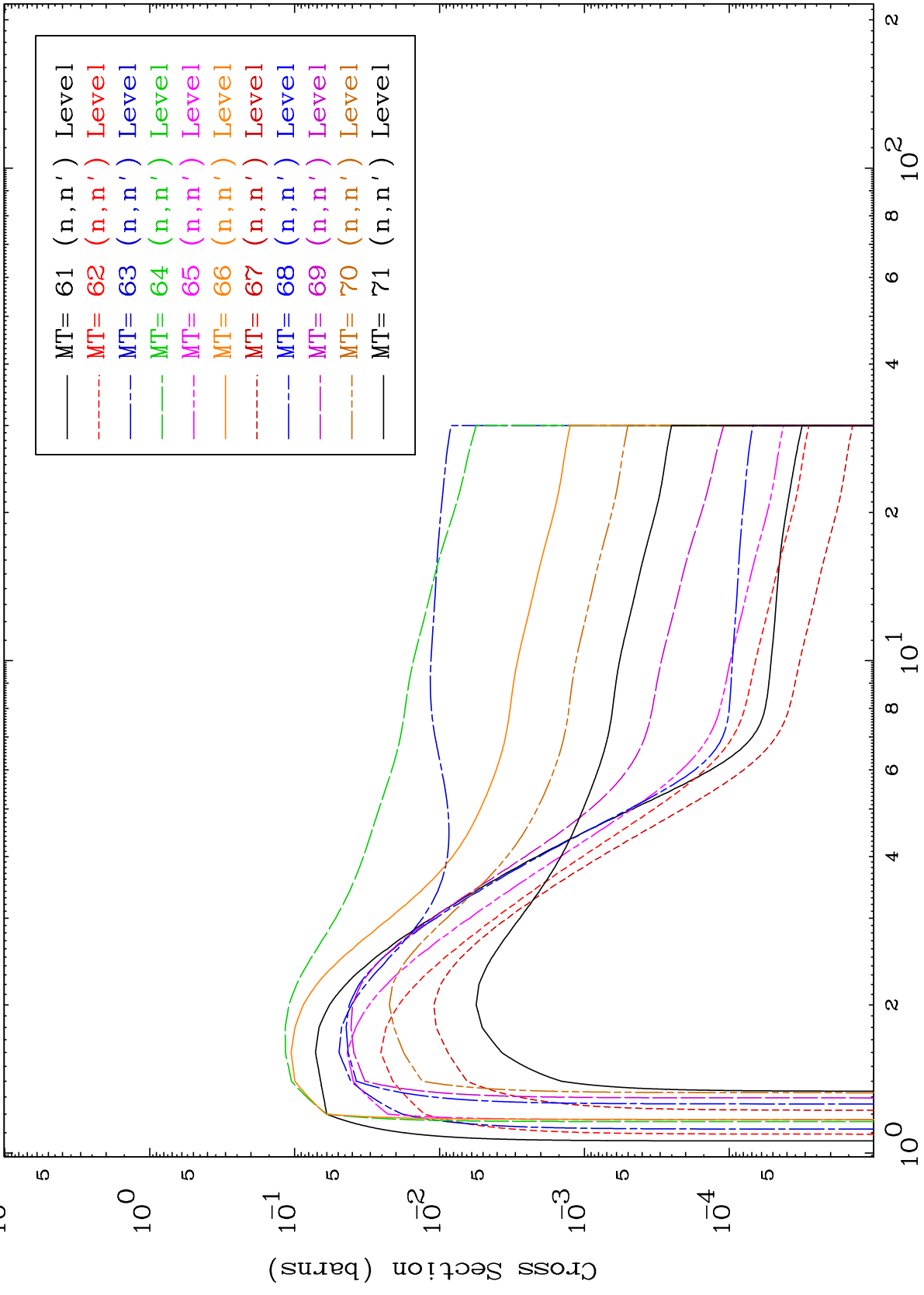
MAT 6034

(n,n') Level

60-Nd-145

293 Kelvin Cross Sections

60-Nd-145



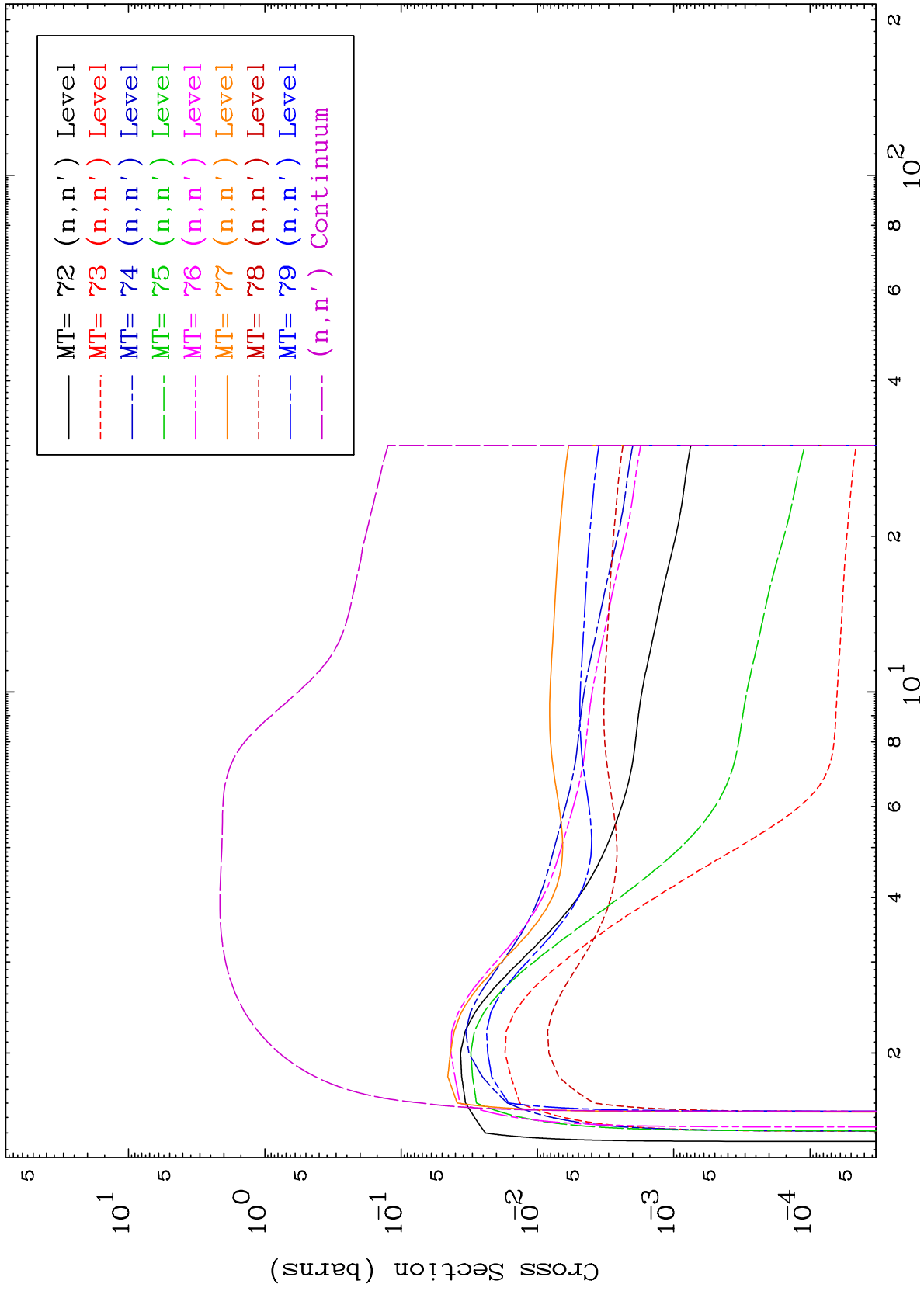
Incident Energy (MeV)

60-Nd-145

MAT 6034

(n,n') Level
293 Kelvin Cross Sections

60-Nd-145



9

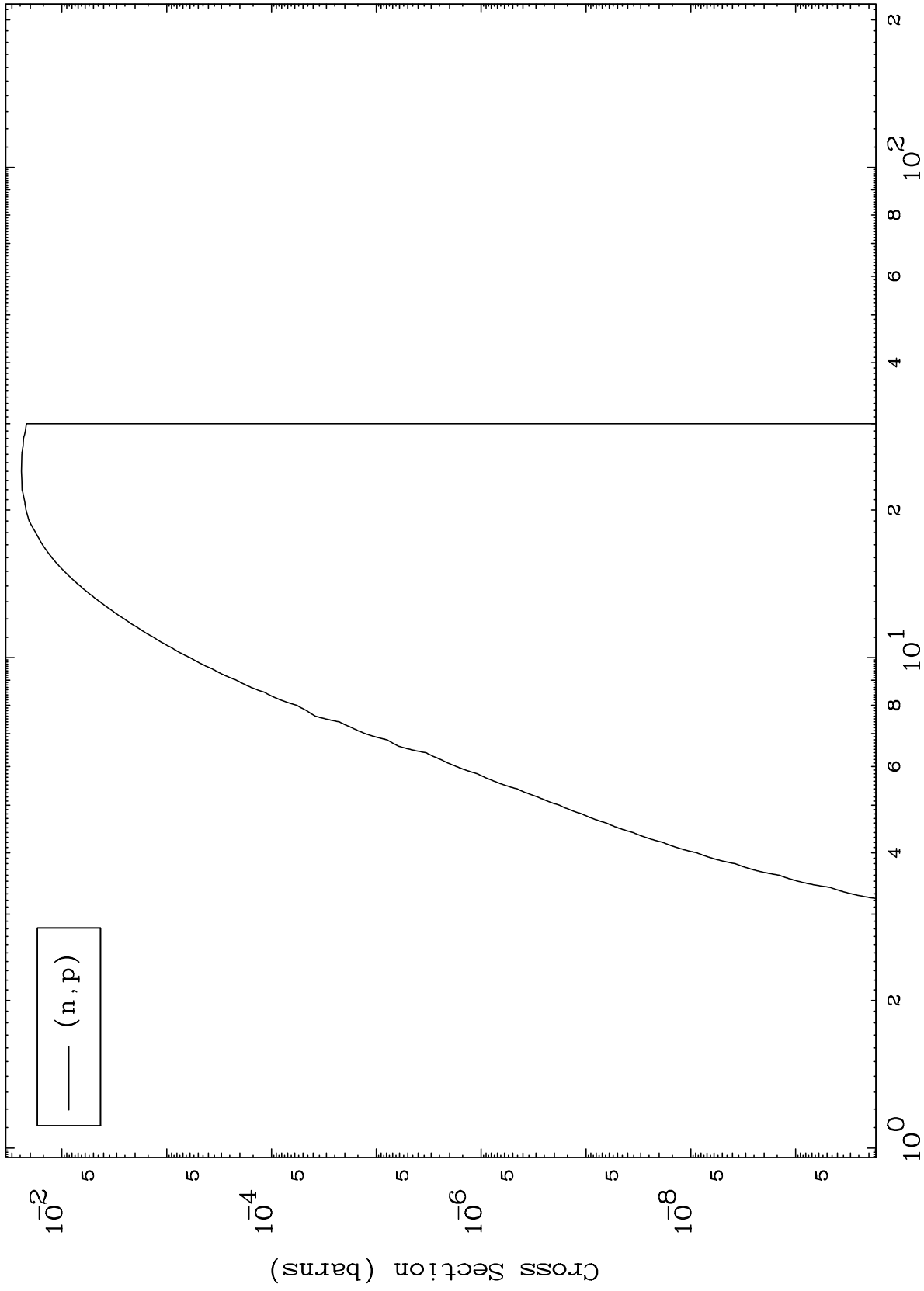
Incident Energy (MeV)

60-Nd-145

MAT 6034

(n,p) Levels
293 Kelvin Cross Sections

60-Nd-145



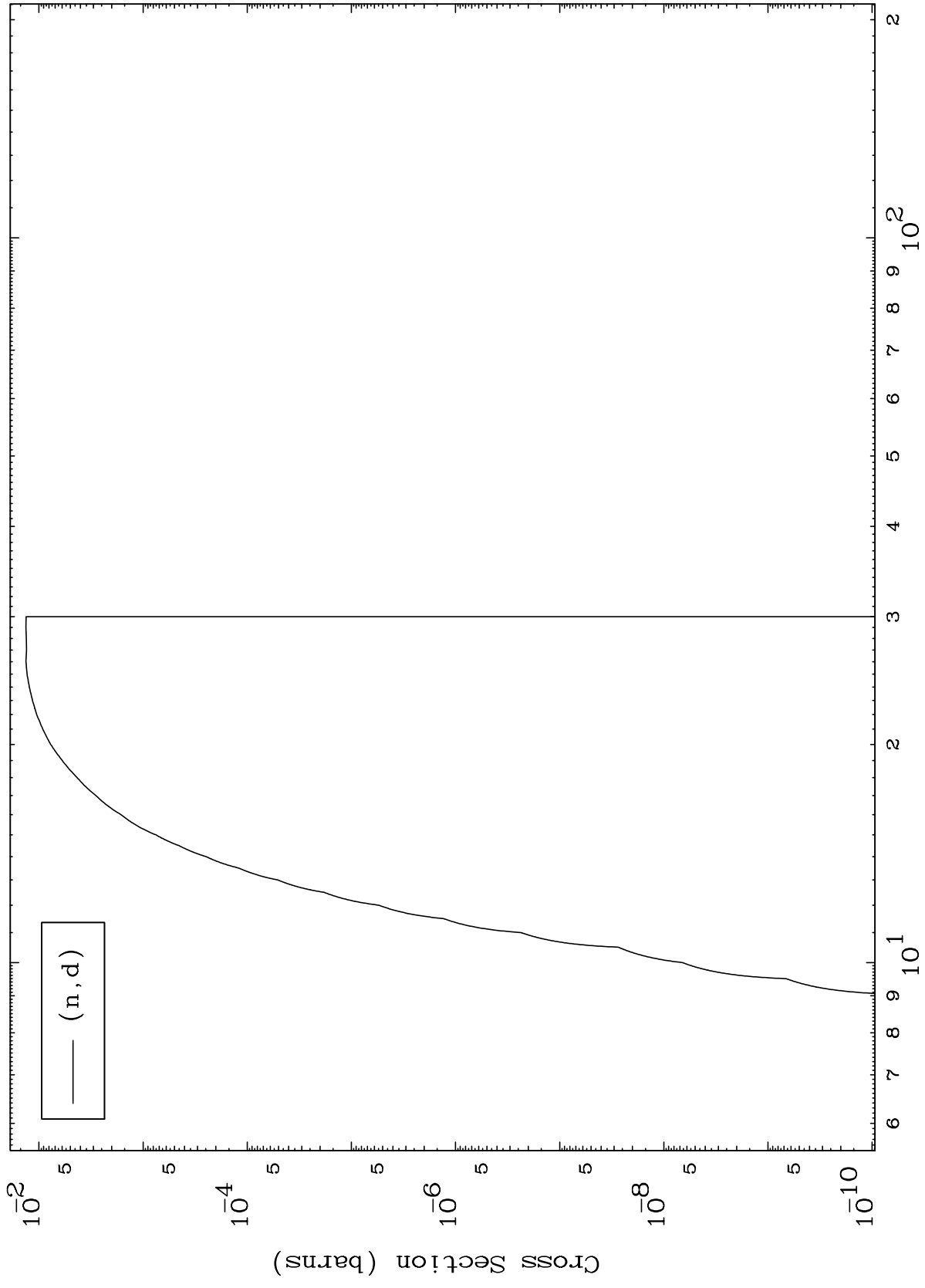
Incident Energy (MeV)

60-Nd-145

MAT 6034

(n,d) Levels
293 Kelvin Cross Sections

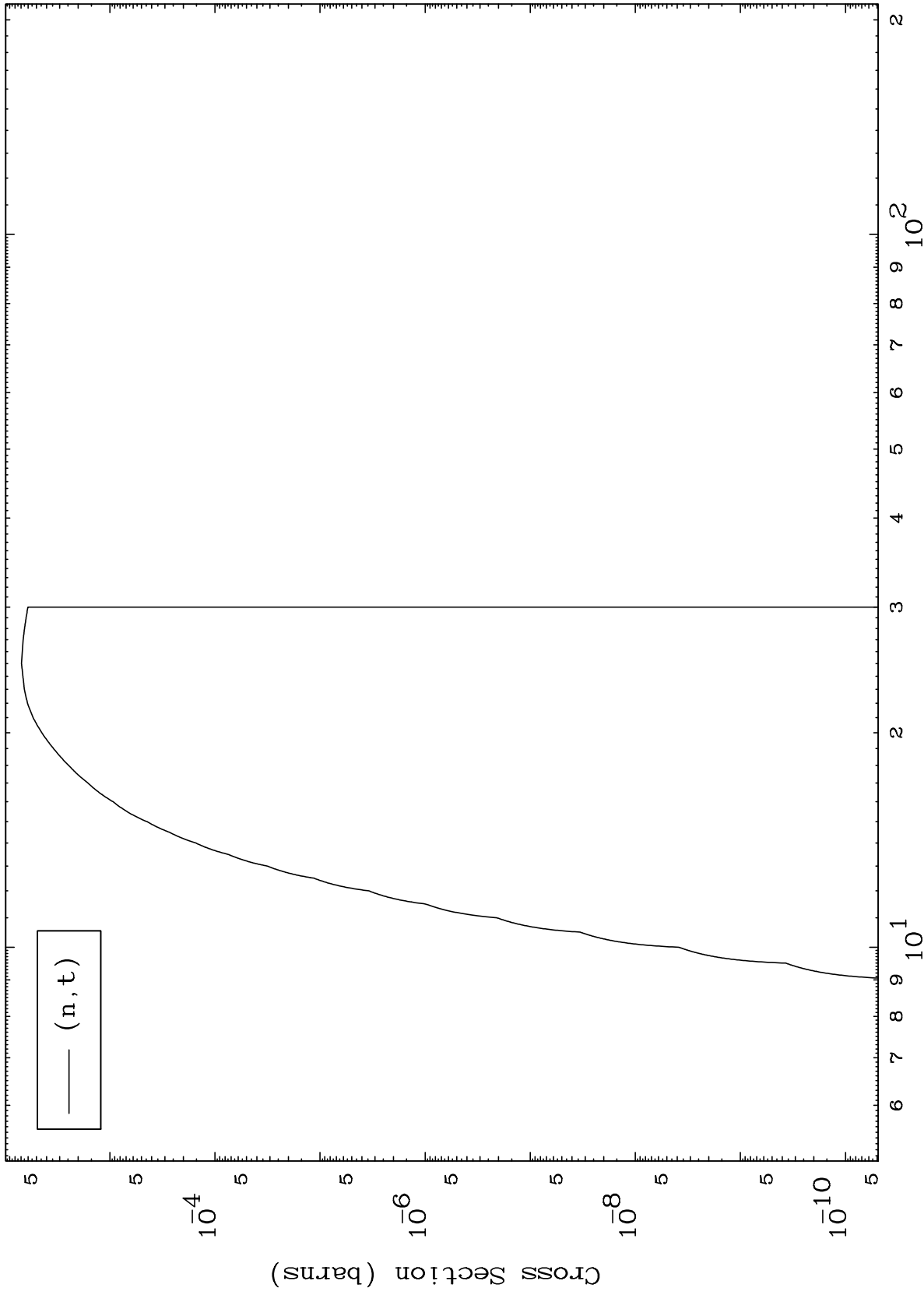
60-Nd-145



MAT 6034

(n,t) Levels
293 Kelvin Cross Sections

60-Nd-145



12

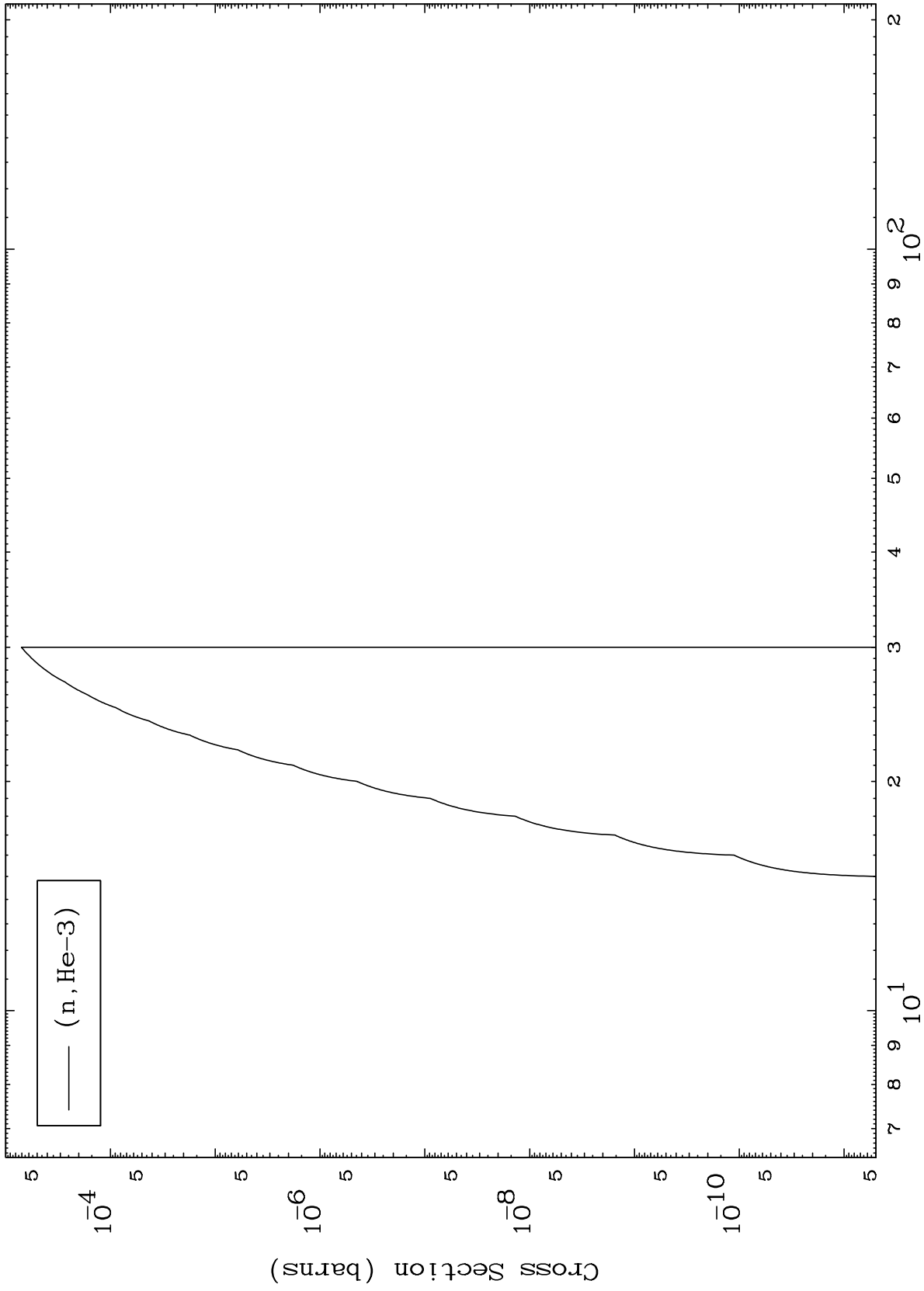
Incident Energy (MeV)

60-Nd-145

MAT 6034

(n,He3) Levels
293 Kelvin Cross Sections

60-Nd-145



13

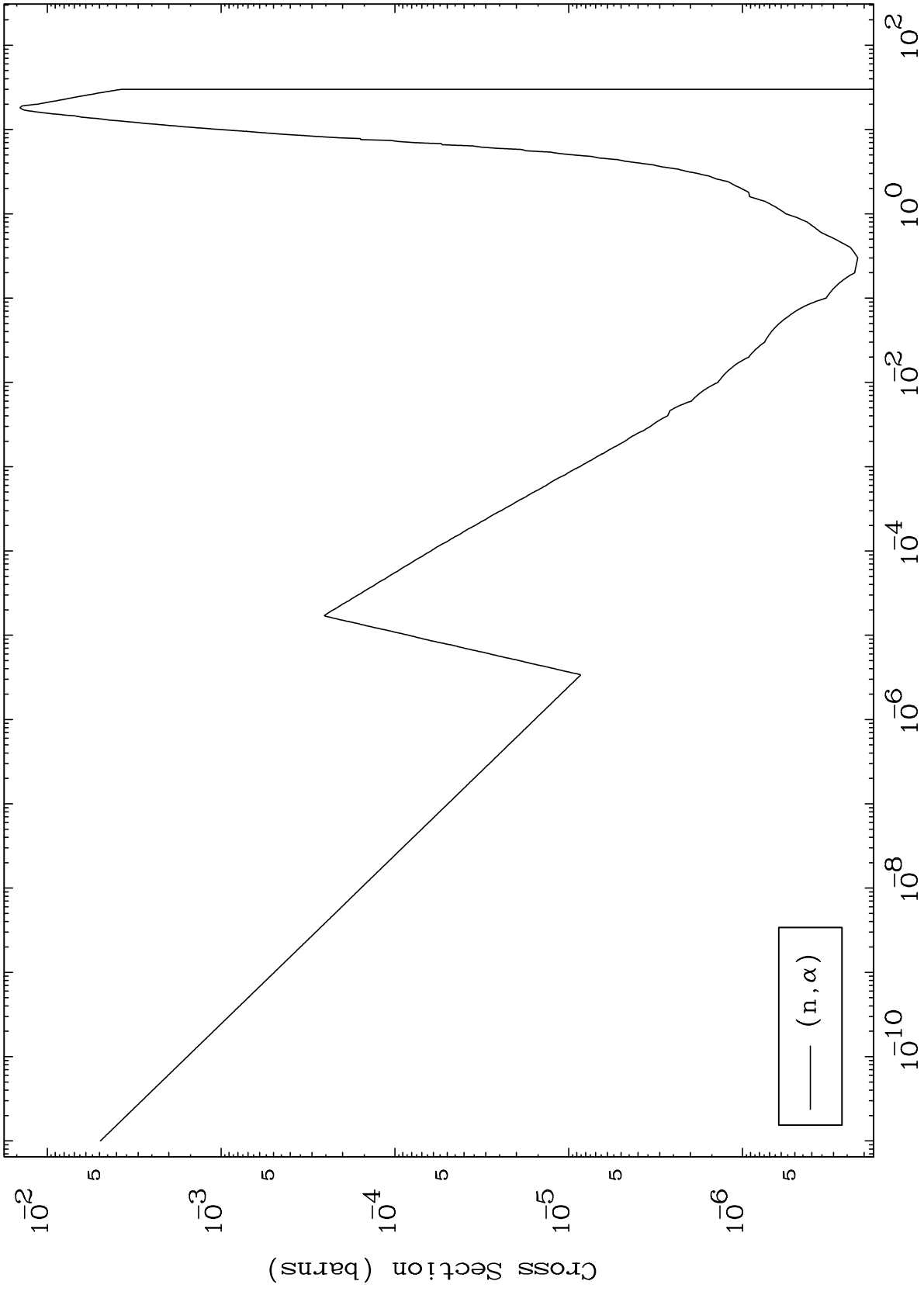
Incident Energy (MeV)

60-Nd-145

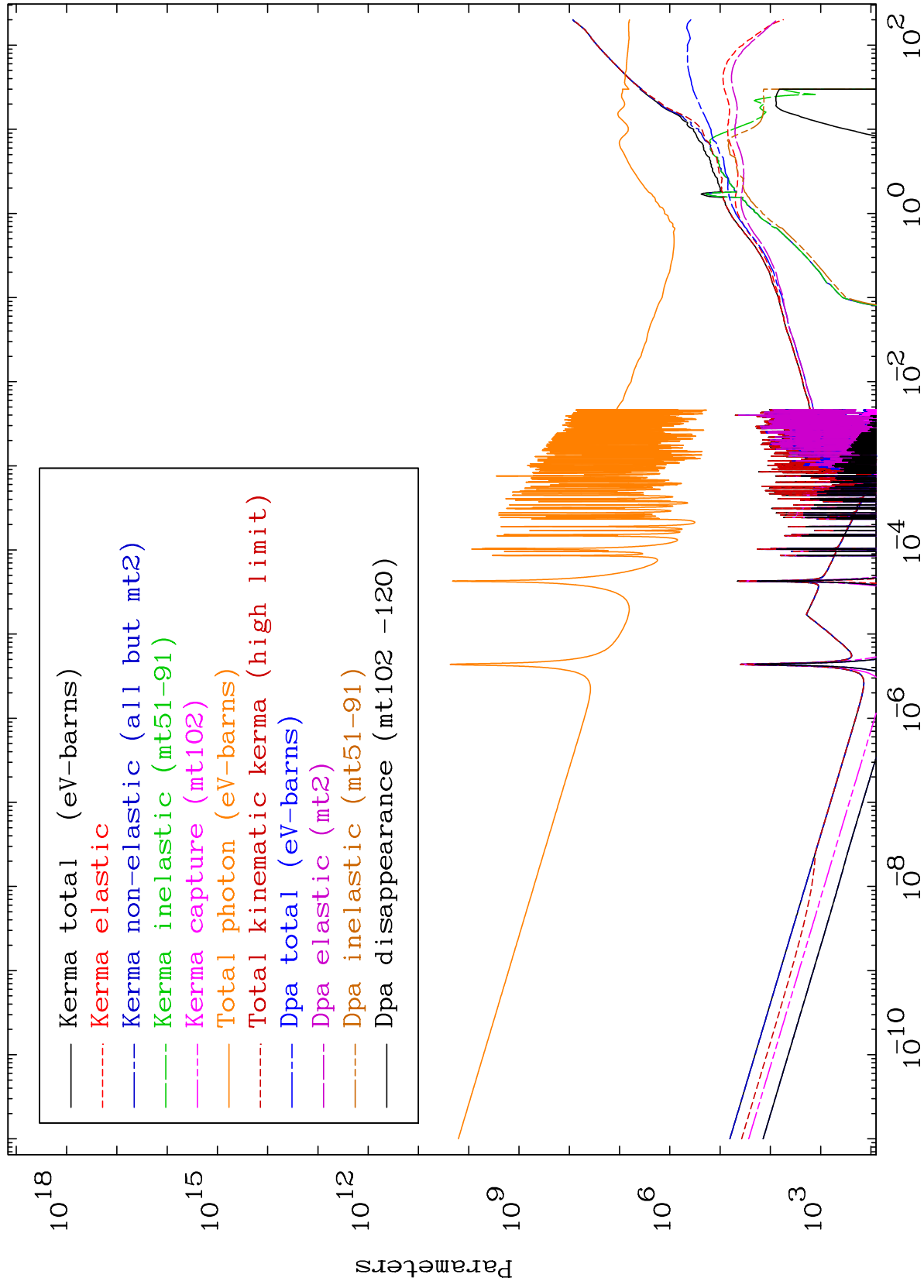
MAT 6034

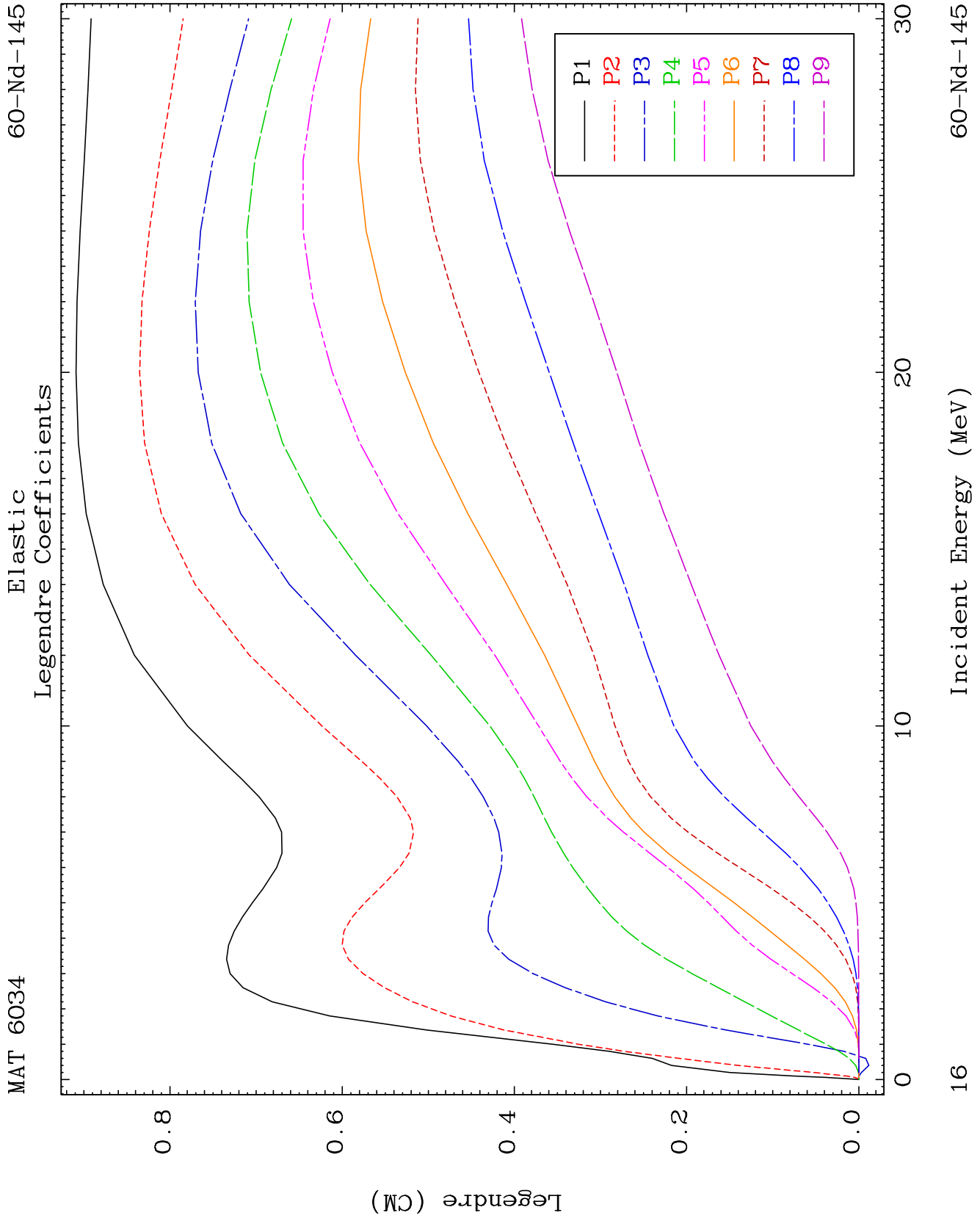
(n, α) Levels
293 Kelvin Cross Sections

60-Nd-145



— (n, α)

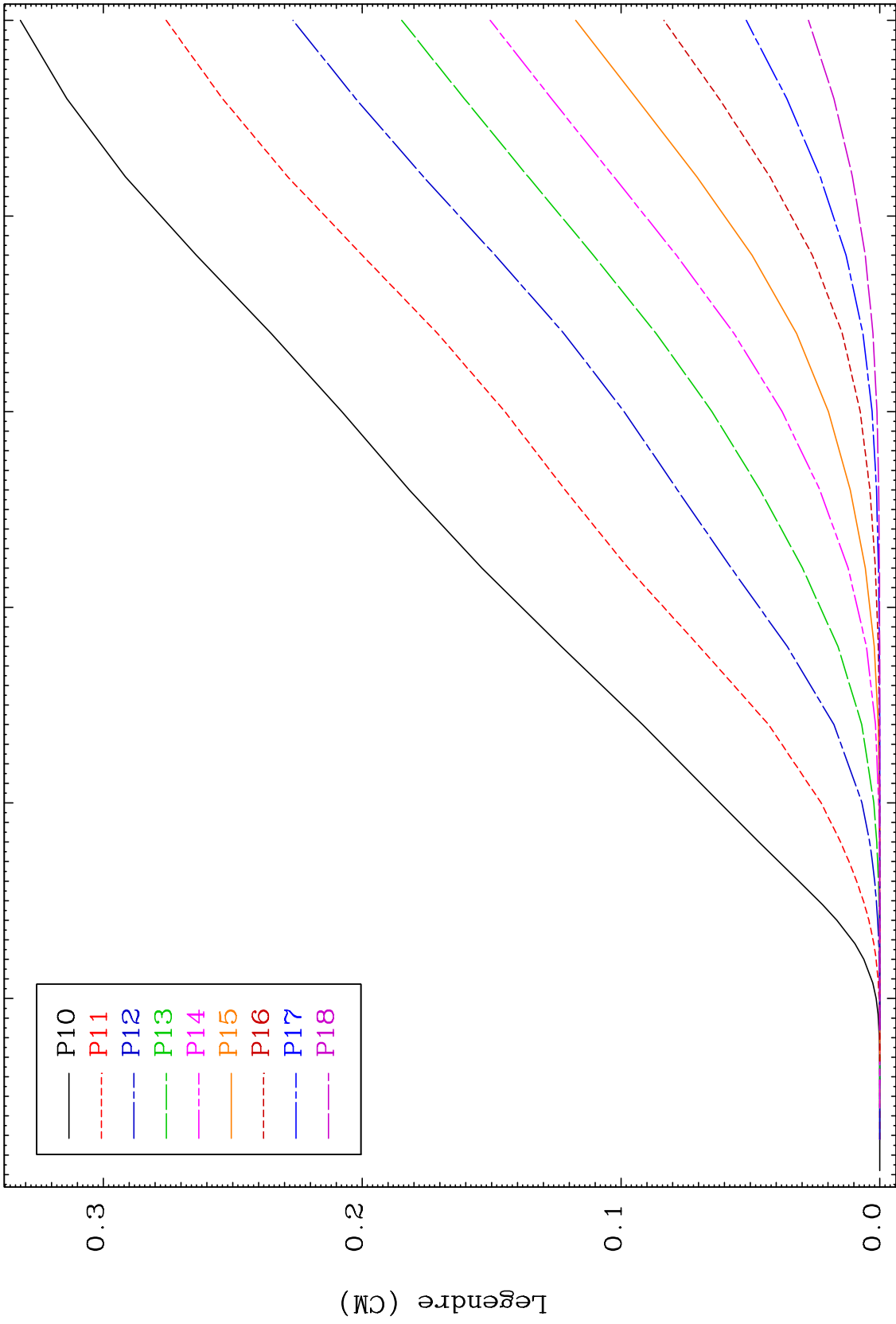




MAT 6034

Elastic Legendre Coefficients

60-Nd-145



17

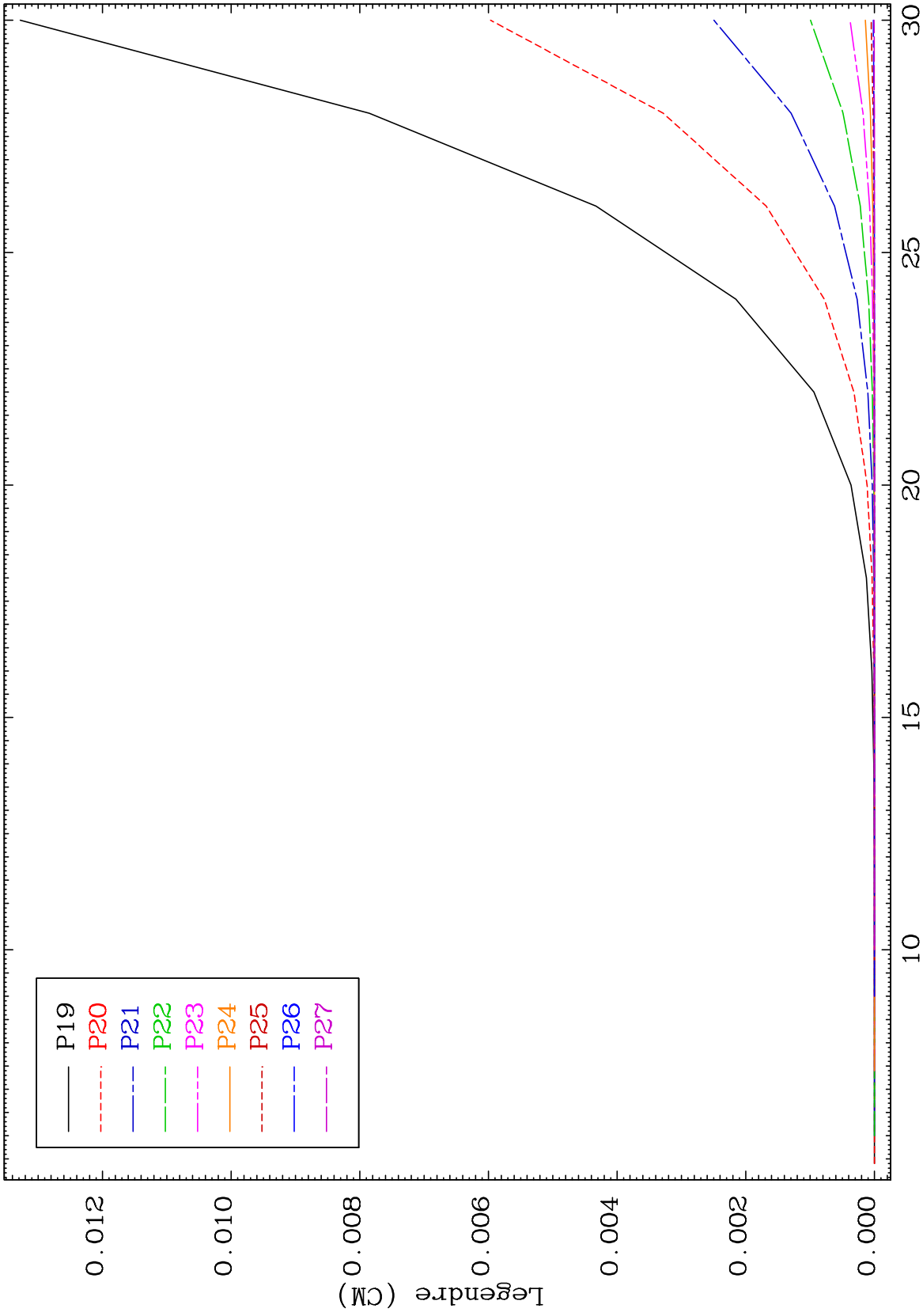
Incident Energy (MeV)

60-Nd-145

MAT 6034

Elastic Legendre Coefficients

60-Nd-145



18

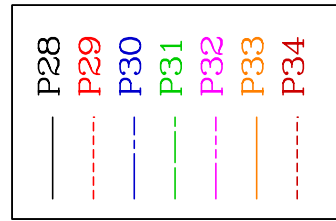
Incident Energy (MeV)

60-Nd-145

MAT 6034

Elastic Legendre Coefficients

60-Nd-145



$\times 10^{-6}$

Legendre (CM)

1.0

0.5

0.0

10

15

20

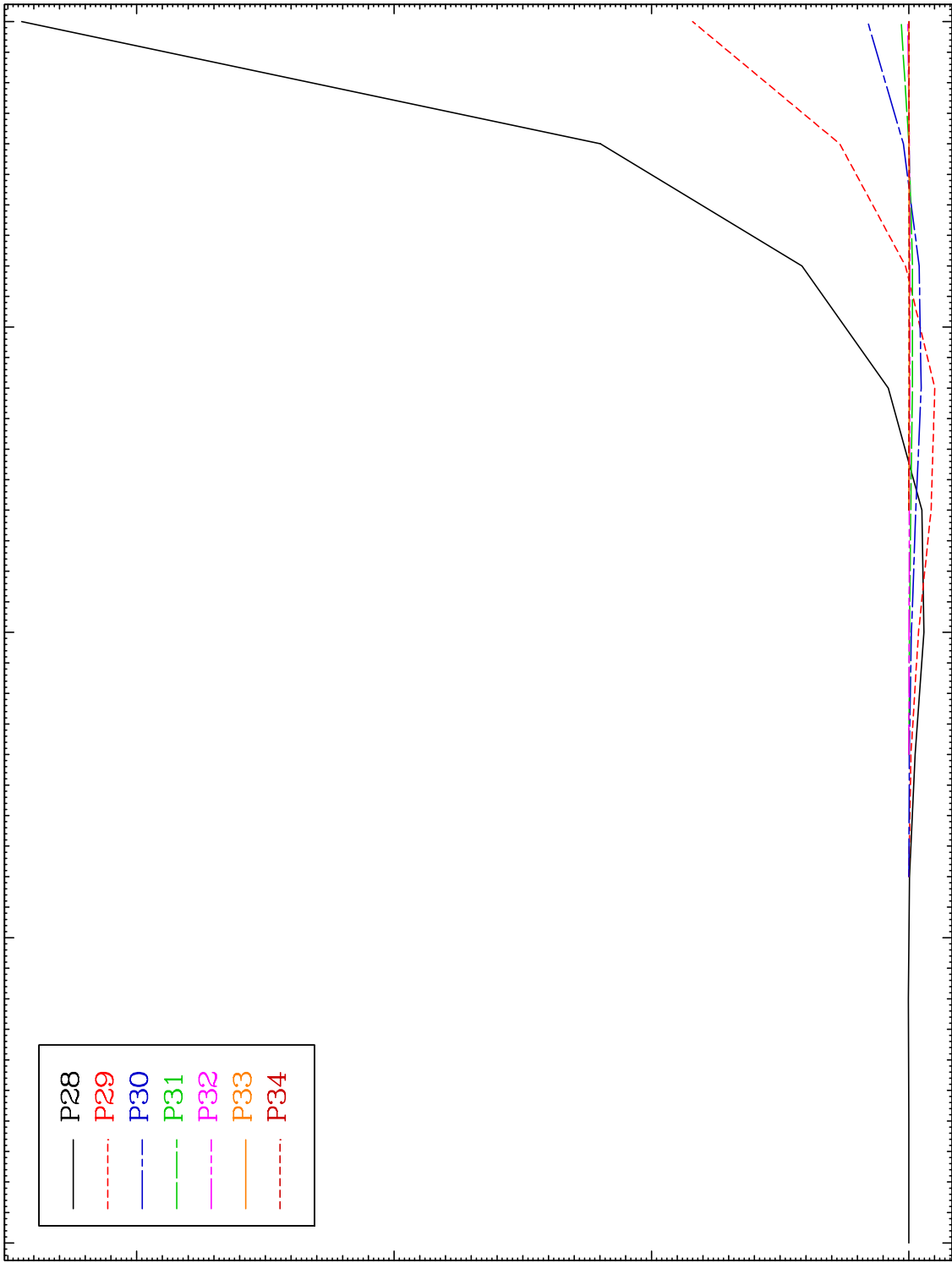
25

30

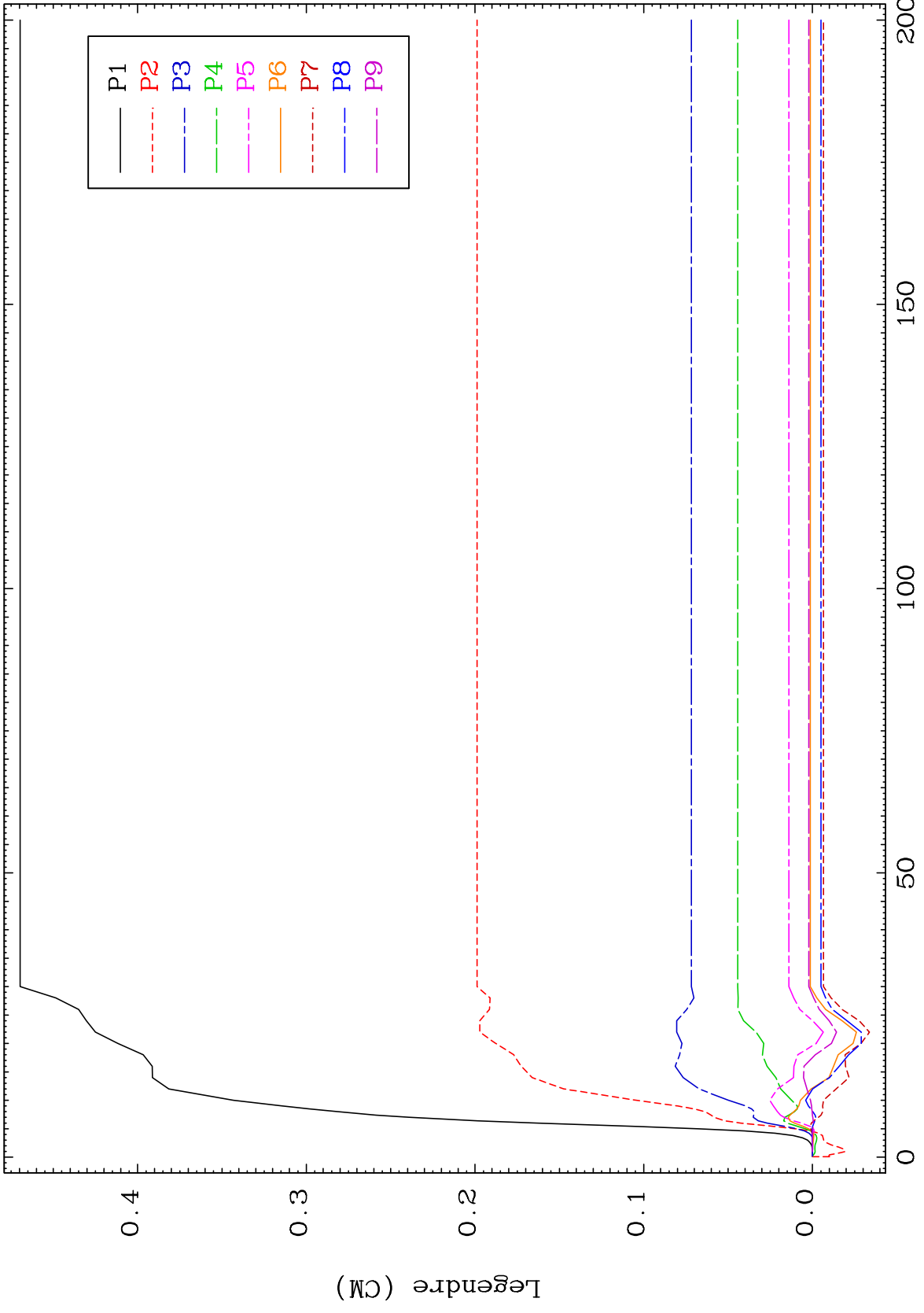
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Incident Energy (MeV)

60-Nd-145



MAT 6034 MT= 51 (n,n') Level Legendre Coefficients 60-Nd-145

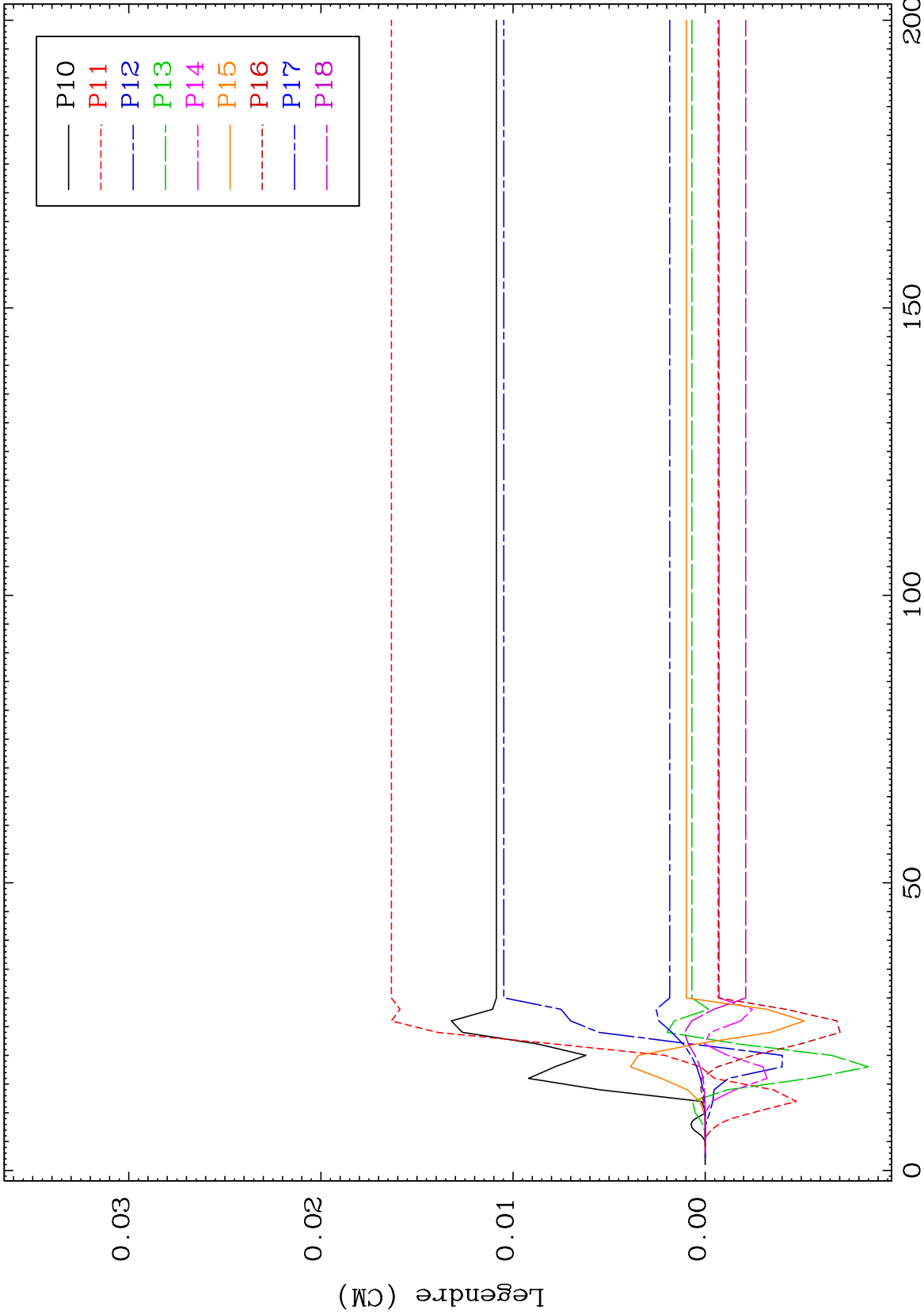


60-Nd-145 Incident Energy (MeV)

MAT 6034

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

60-Nd-145



21

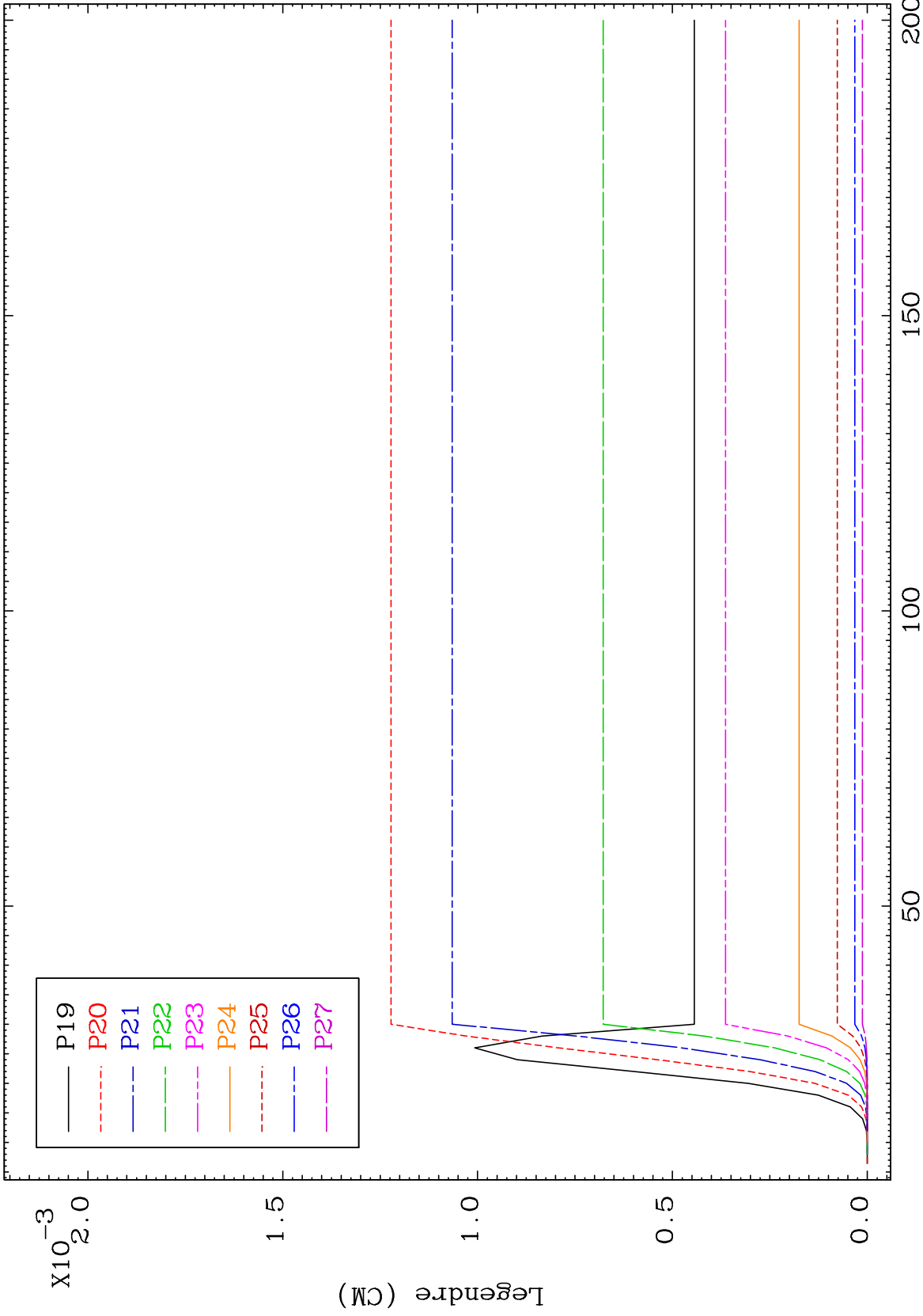
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145



22

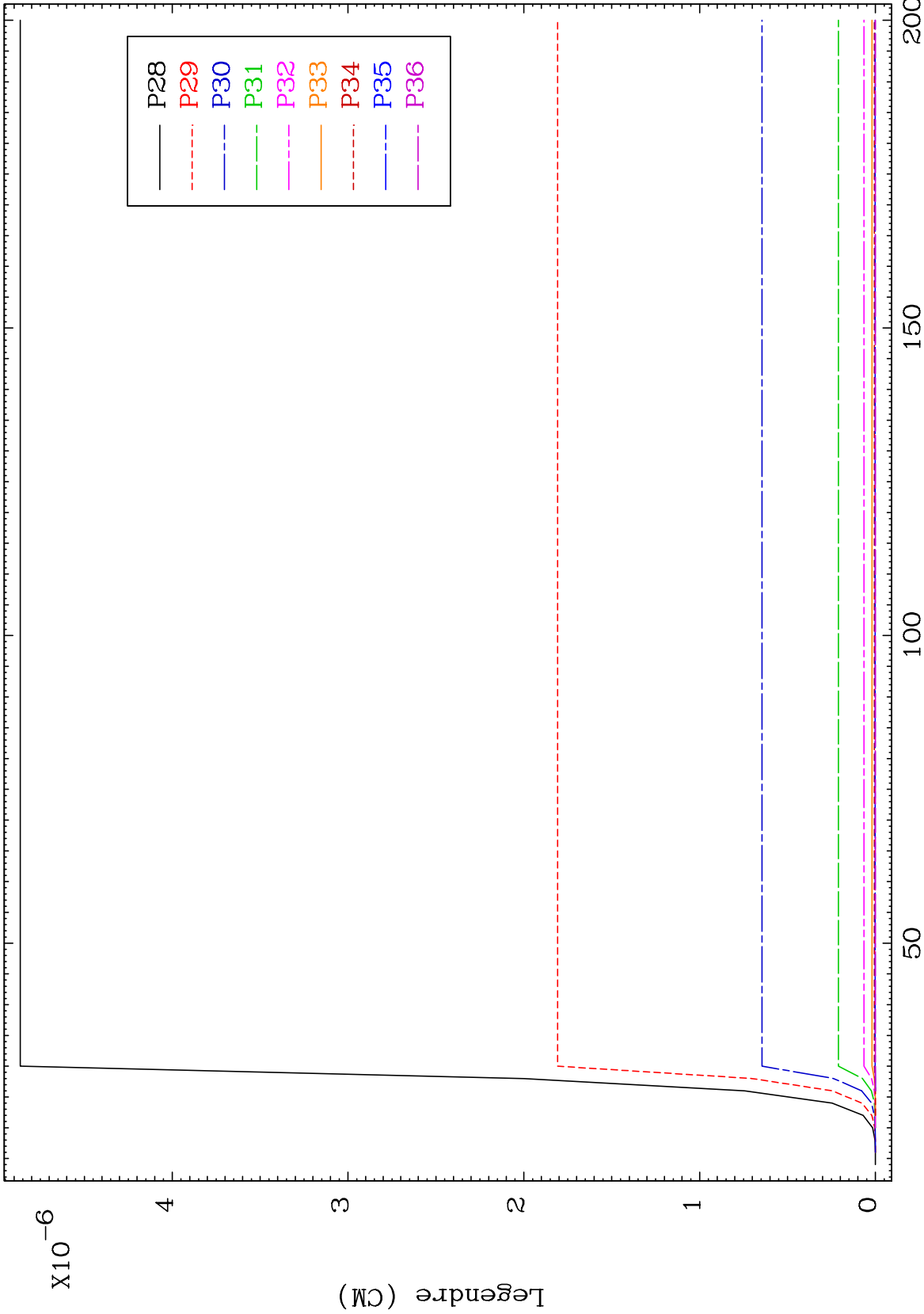
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145



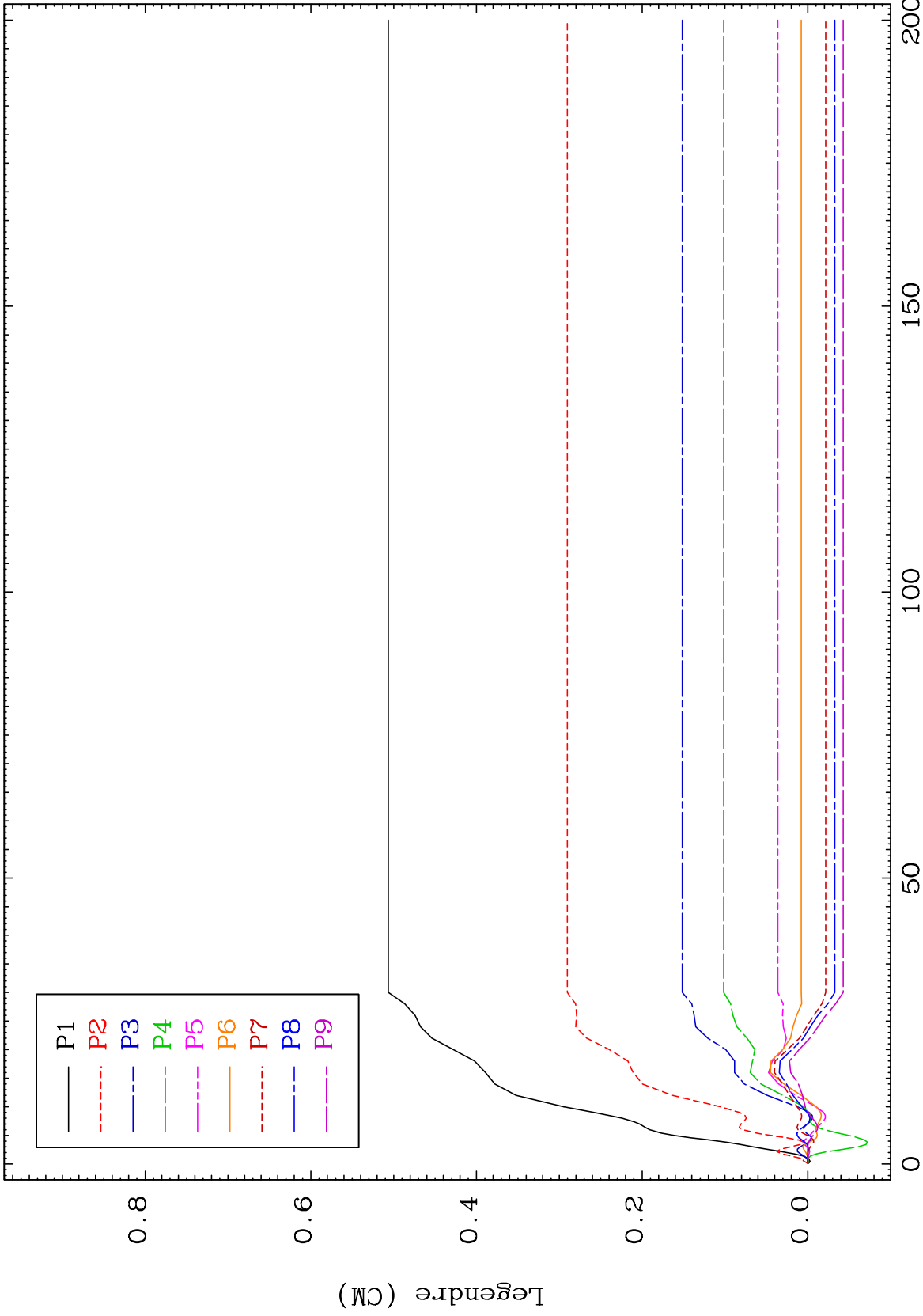
23

60-Nd-145

MAT 6034

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

60-Nd-145



24

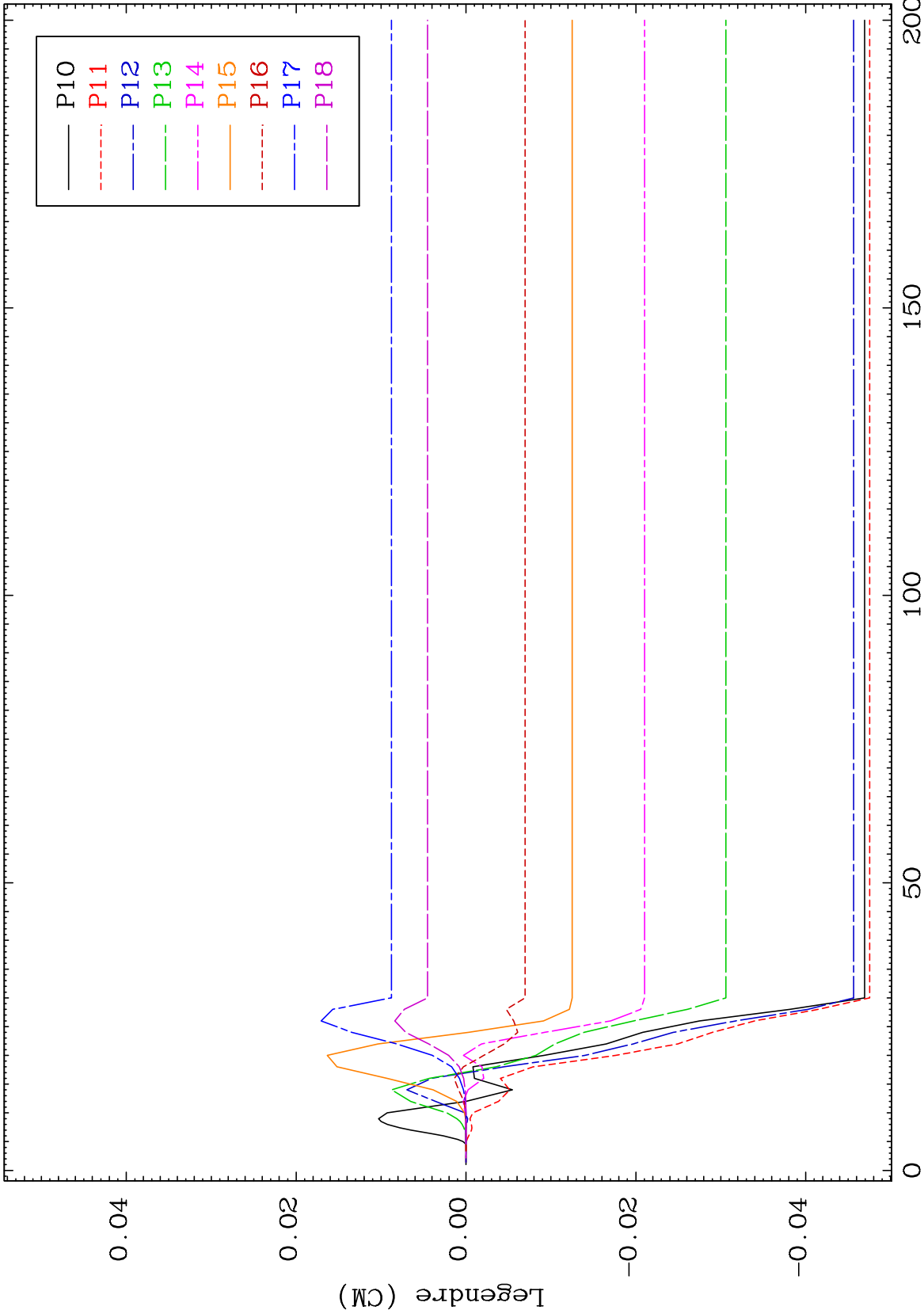
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145



25

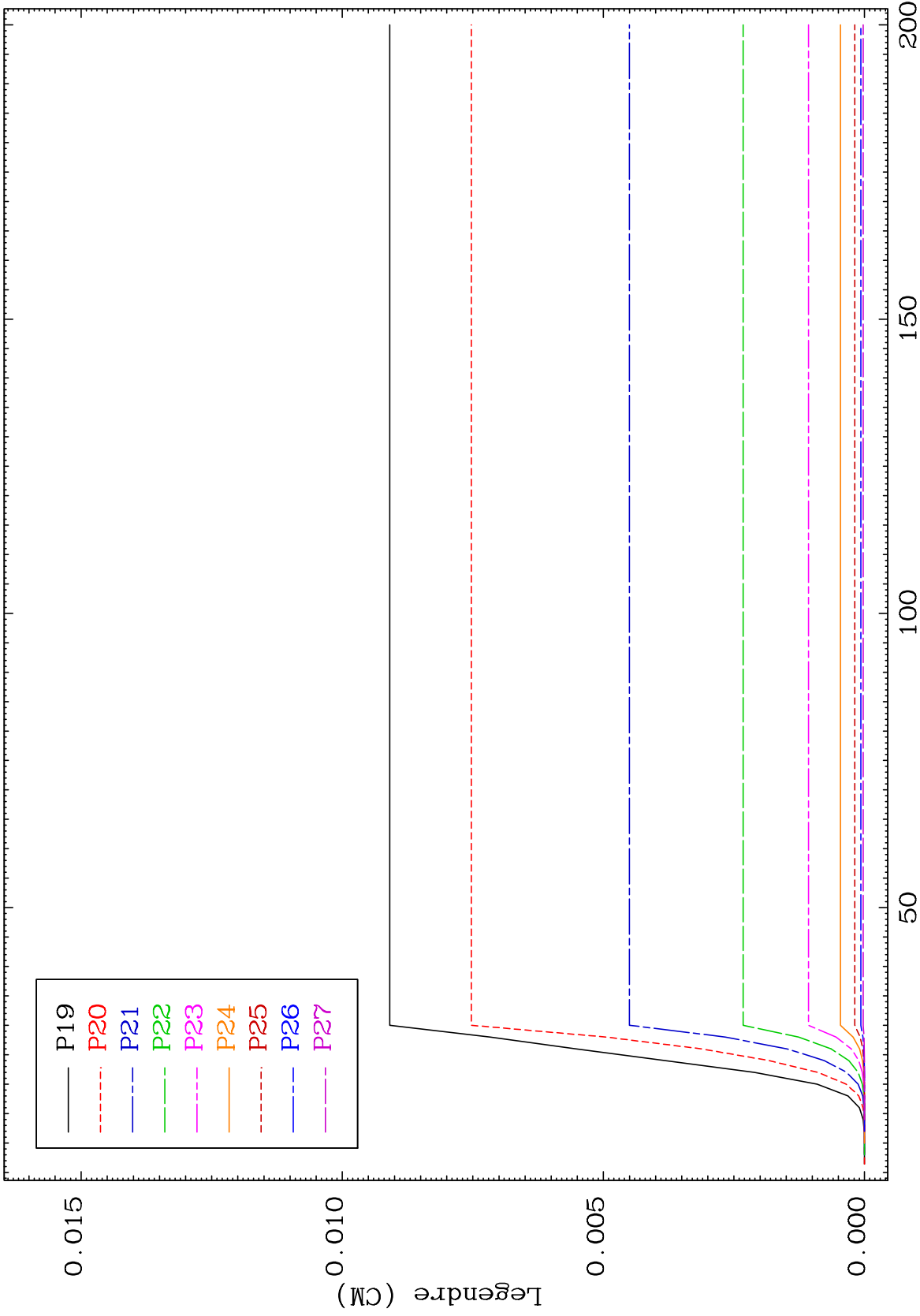
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145



26

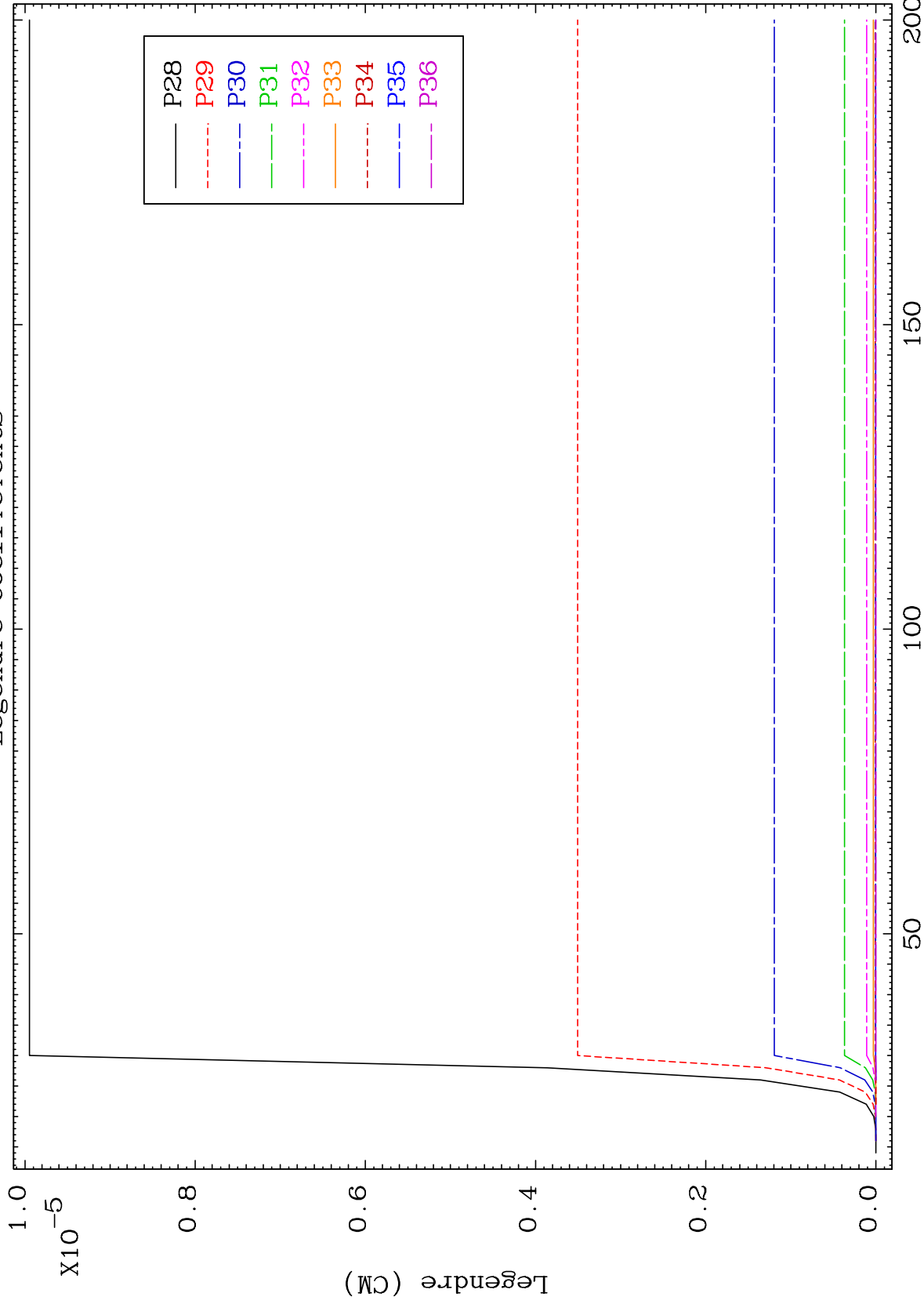
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145



27

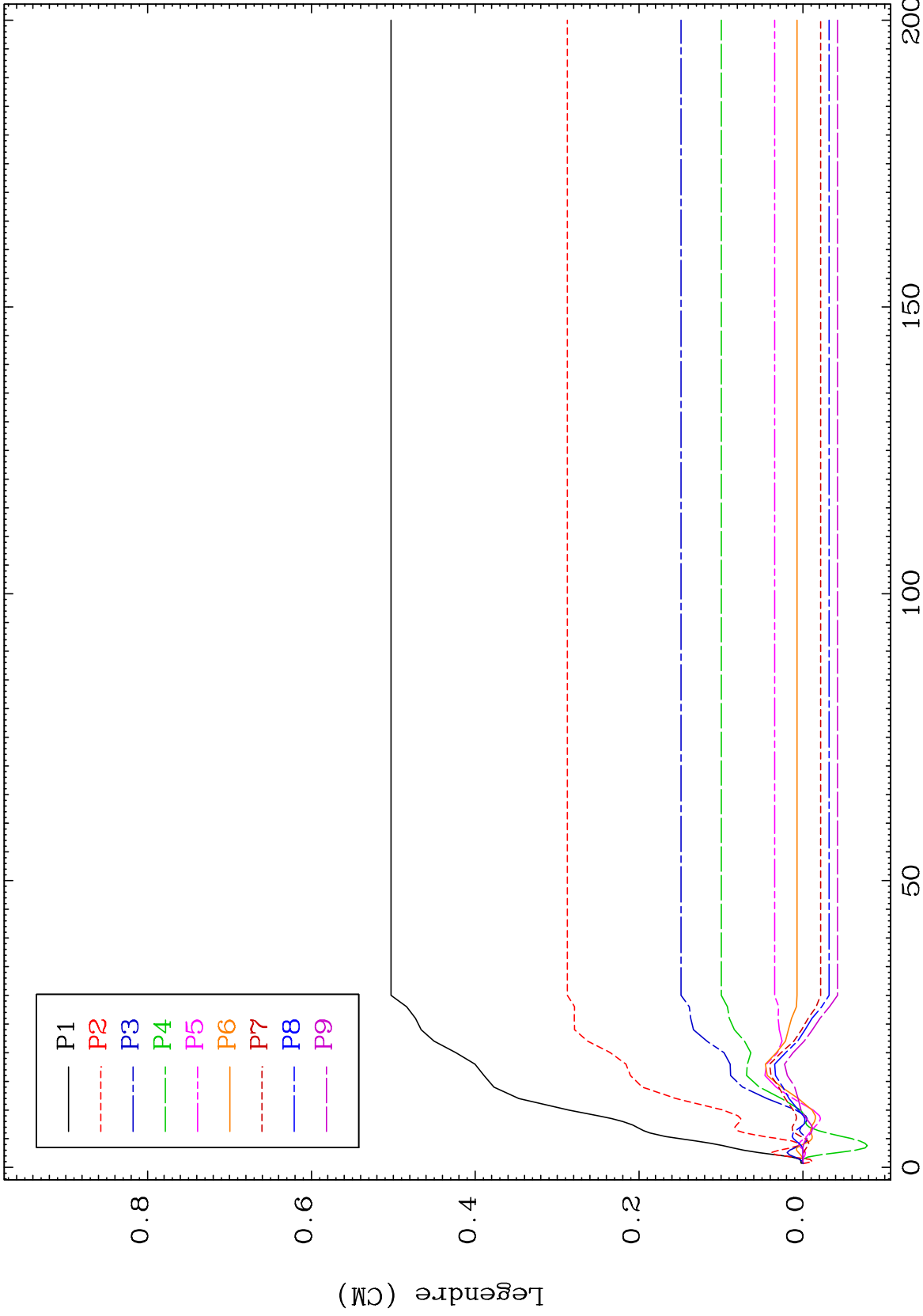
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145



28

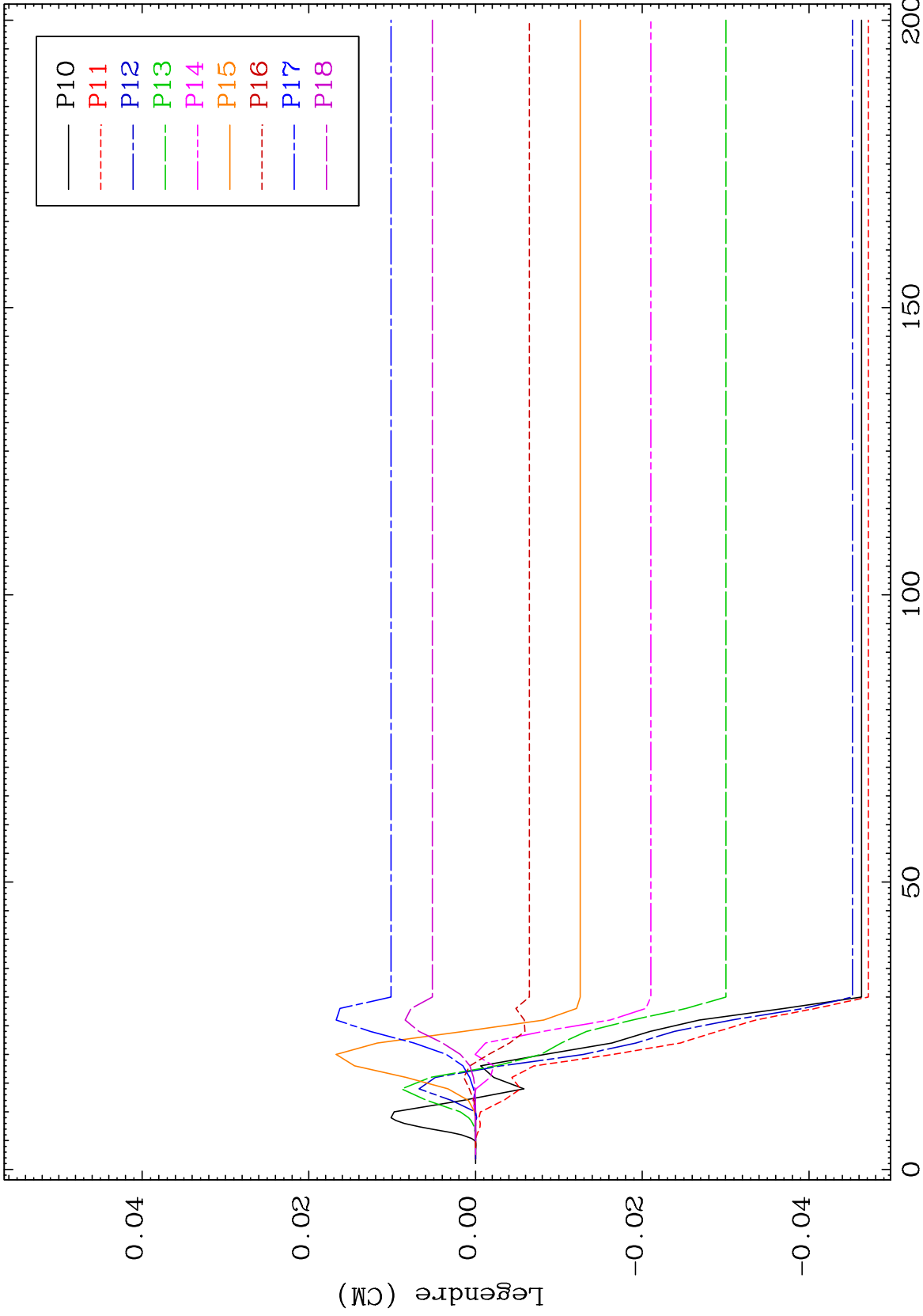
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145



29

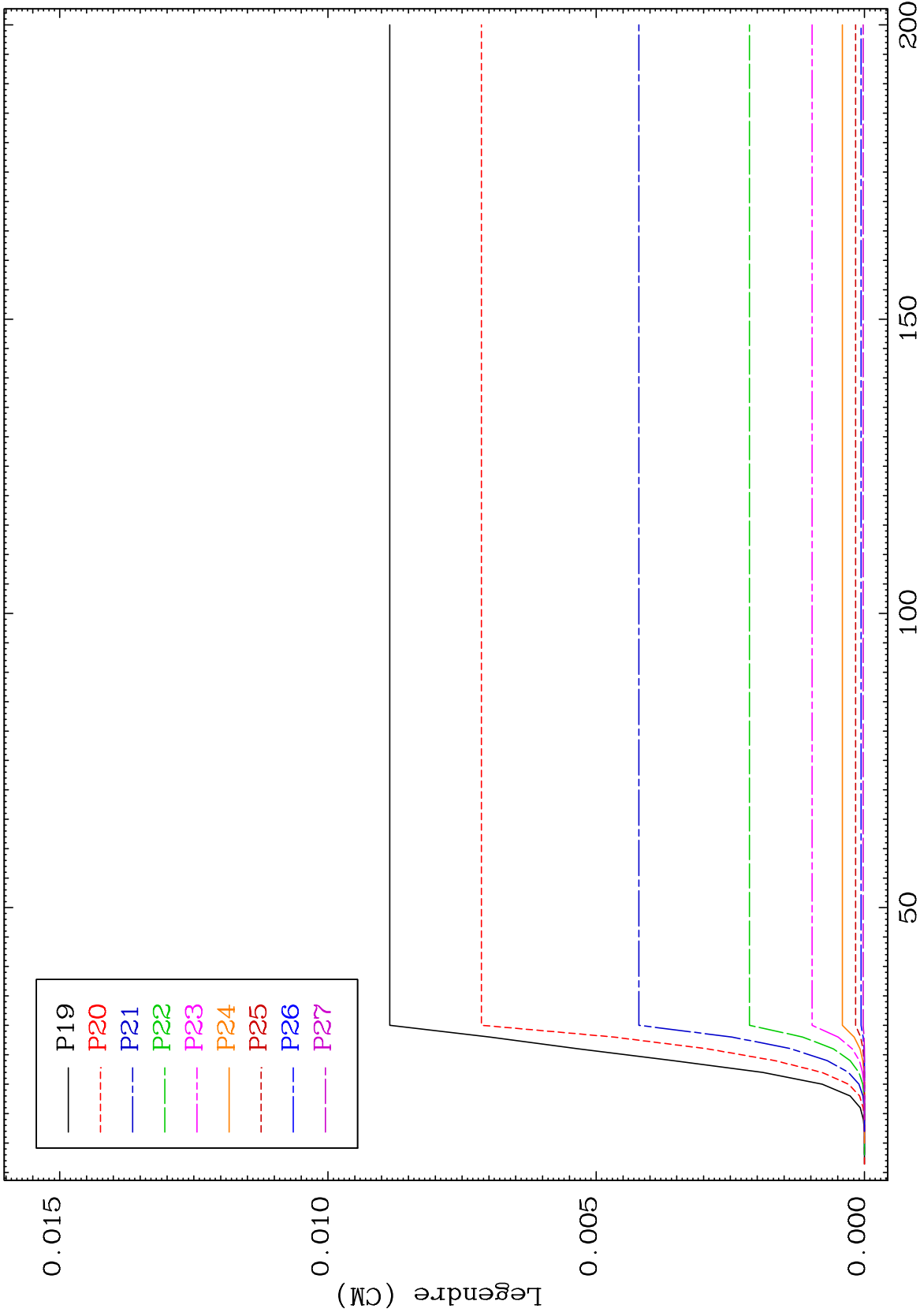
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145



30

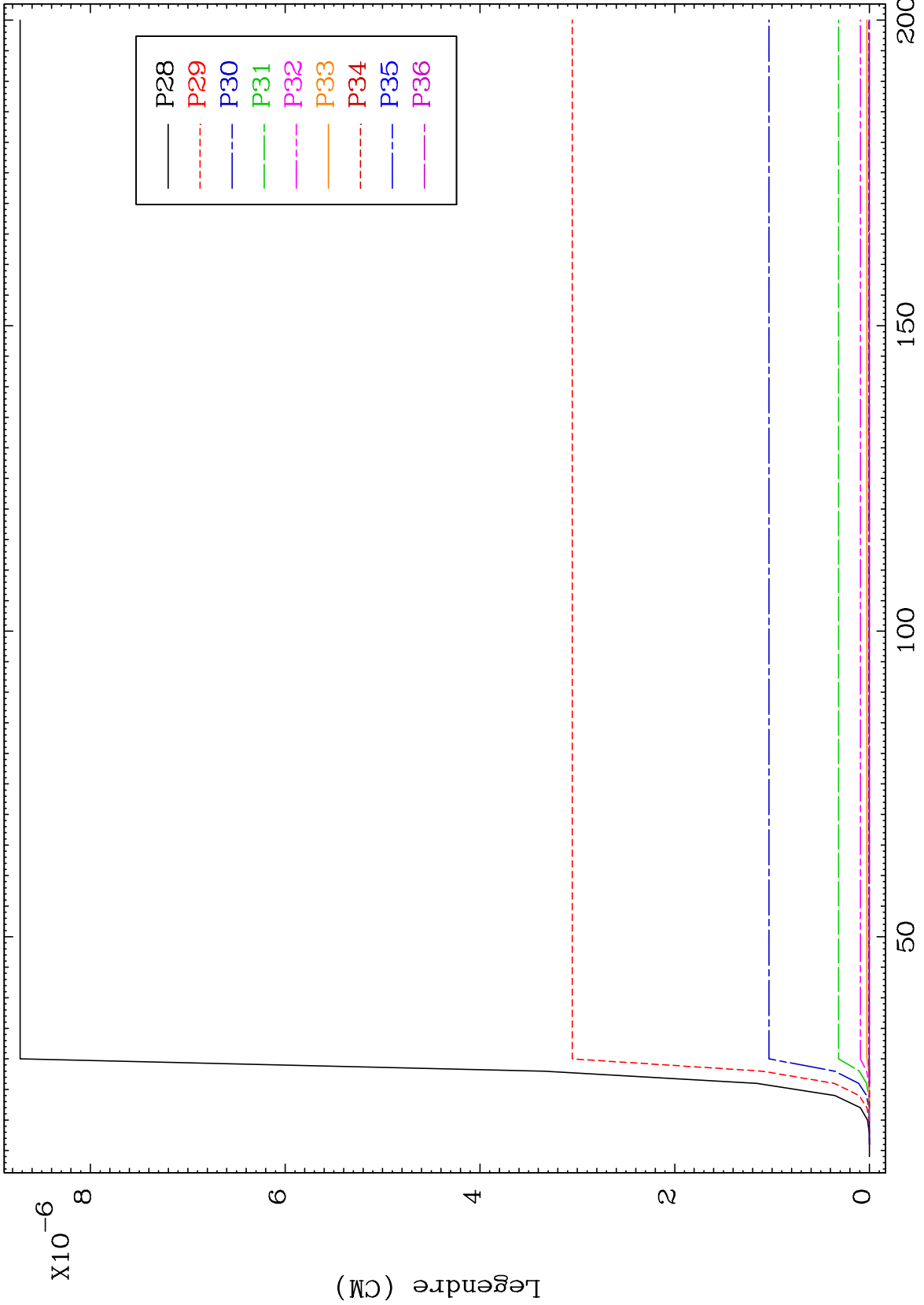
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145

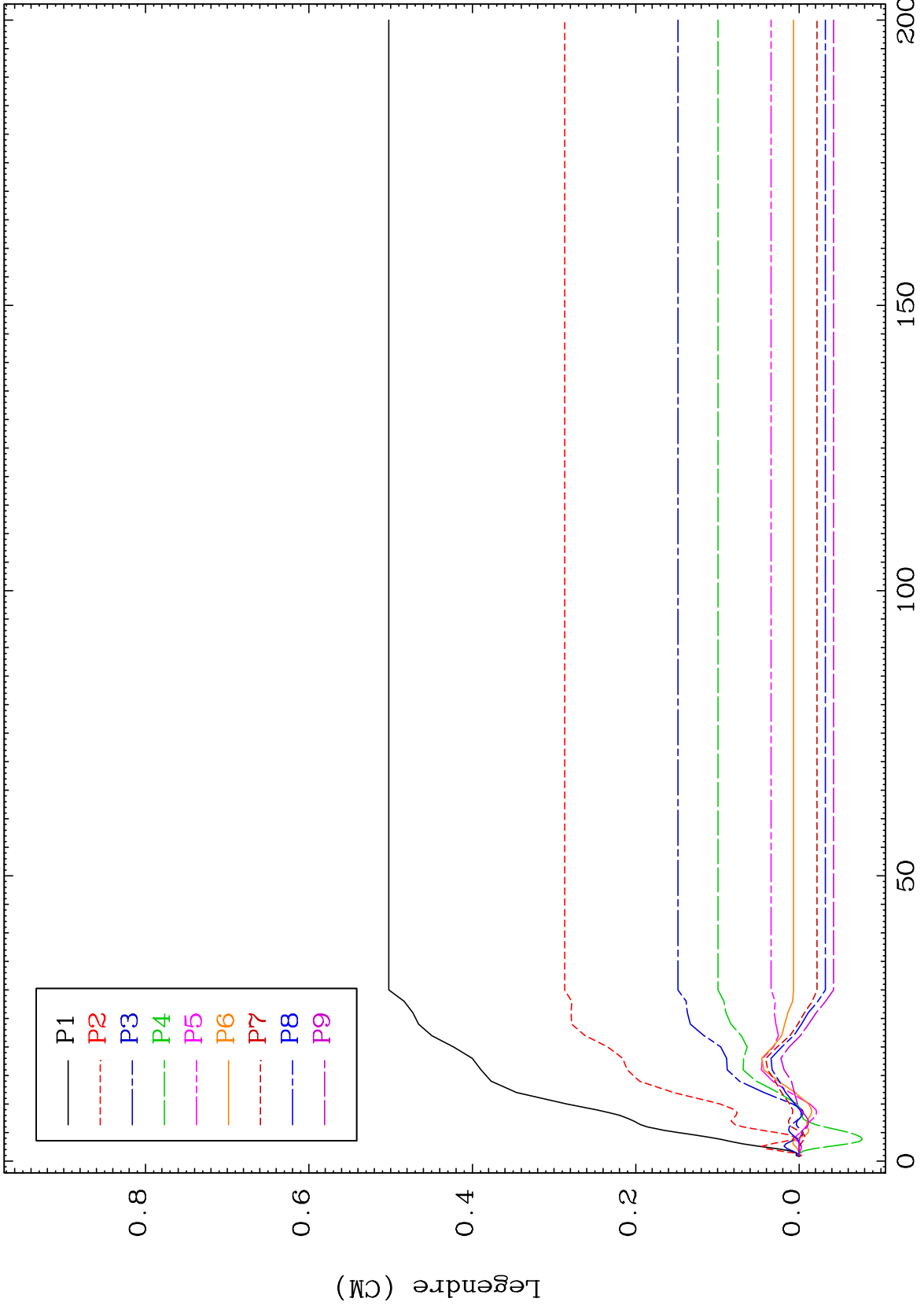


31

Incident Energy (MeV)

60-Nd-145

MAT 6034 MT= 54 (n,n') Level Legendre Coefficients 60-Nd-145

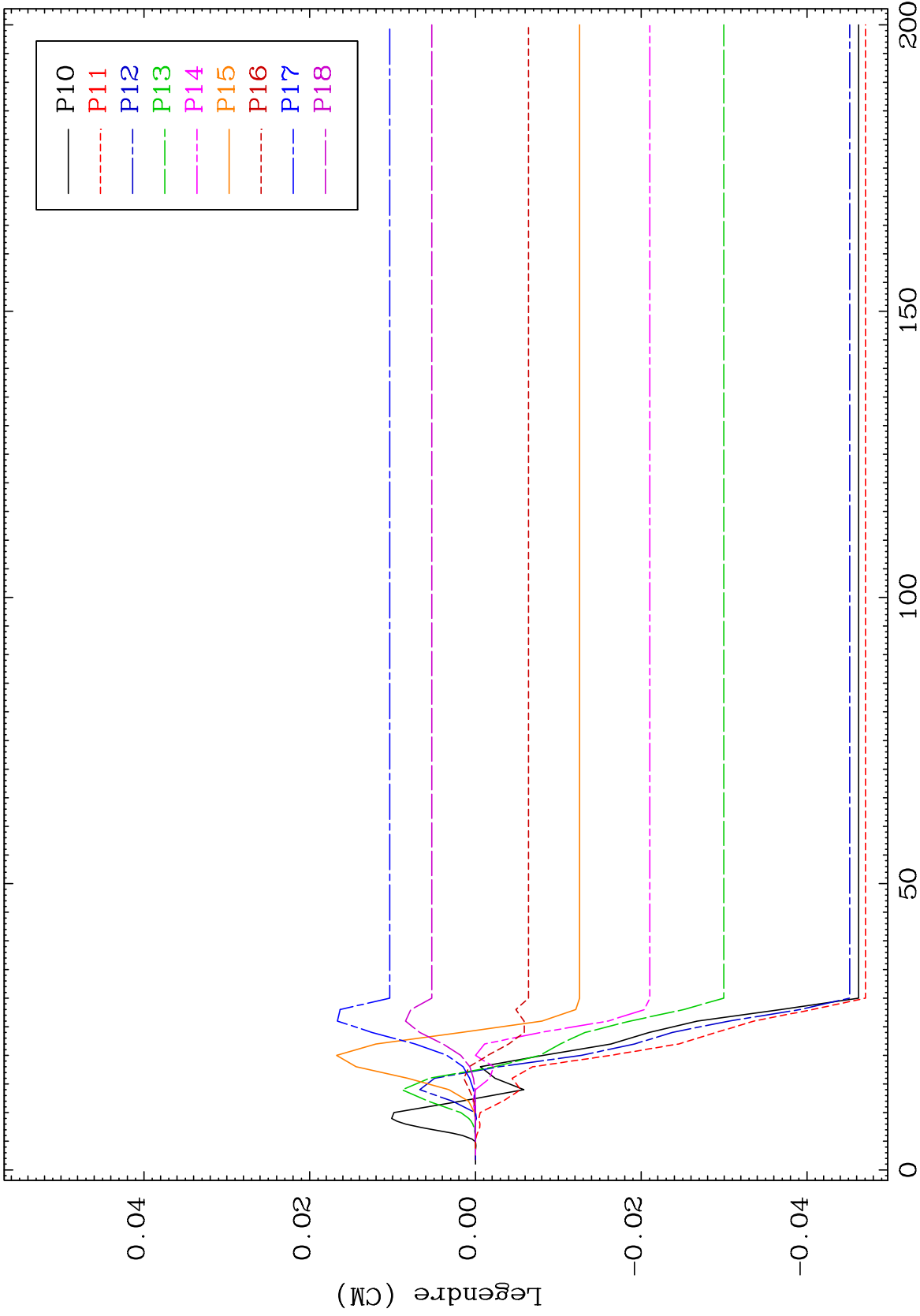


32 Incident Energy (MeV) 60-Nd-145

MAT 6034

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

60-Nd-145



33

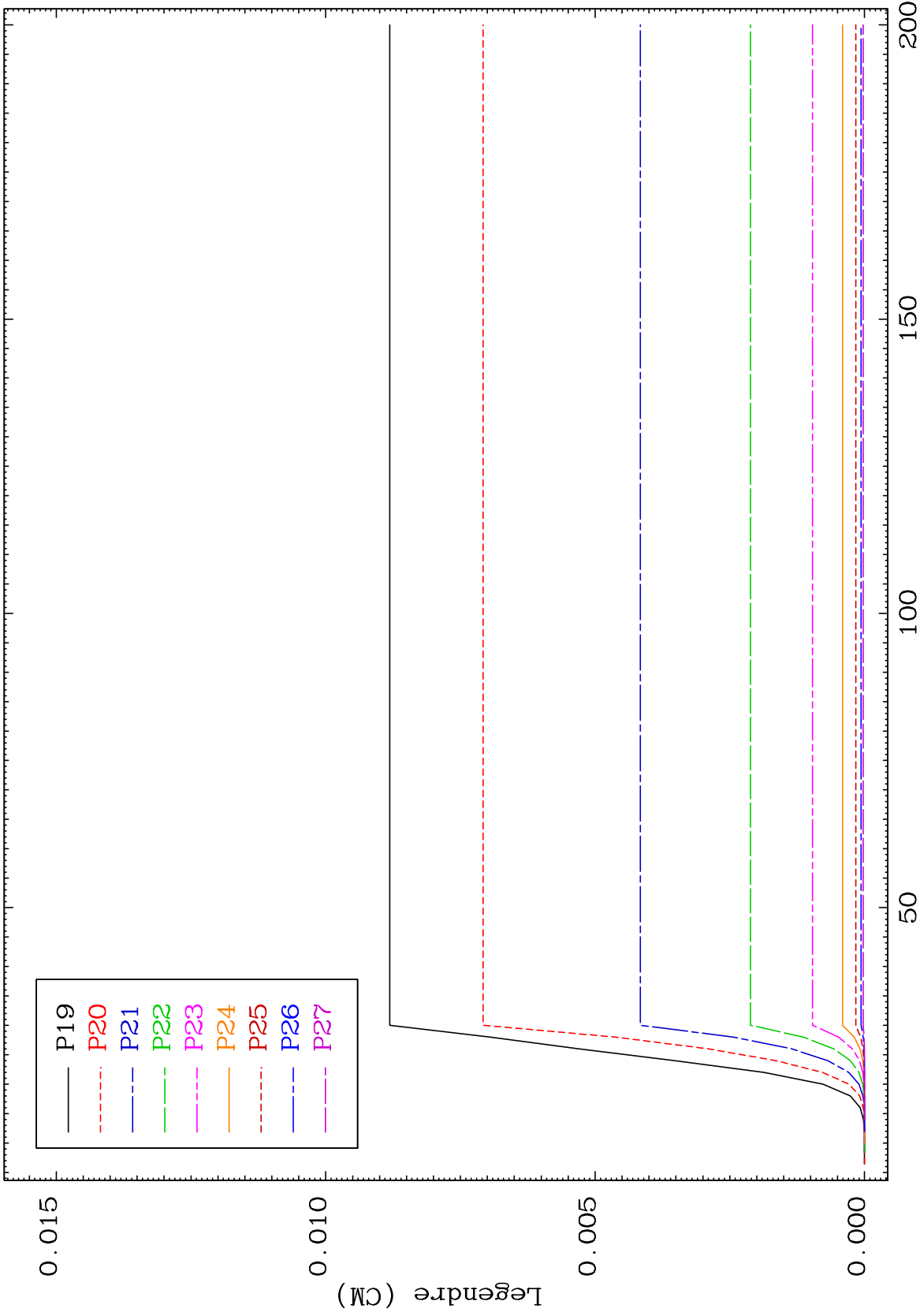
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145



34

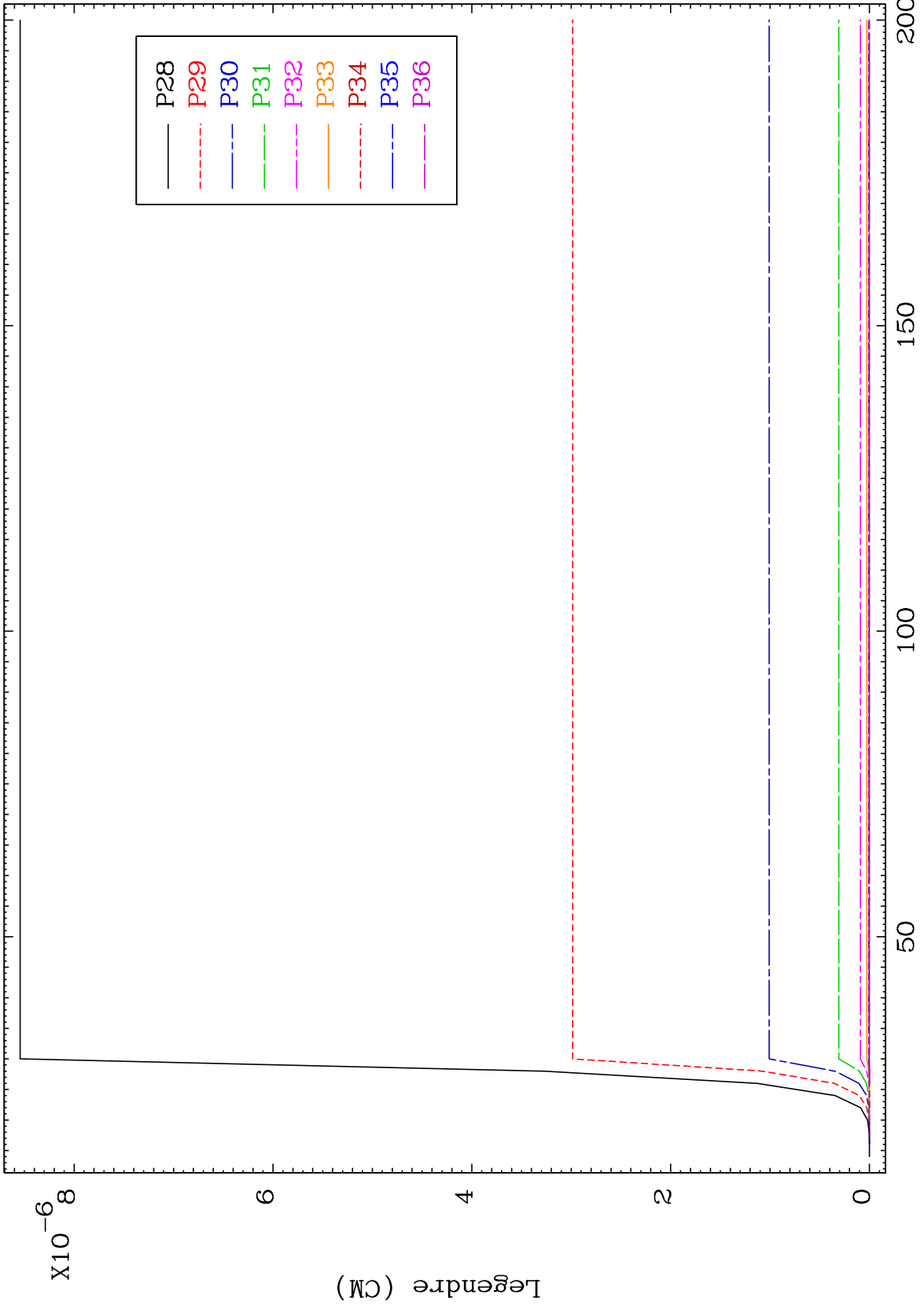
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145

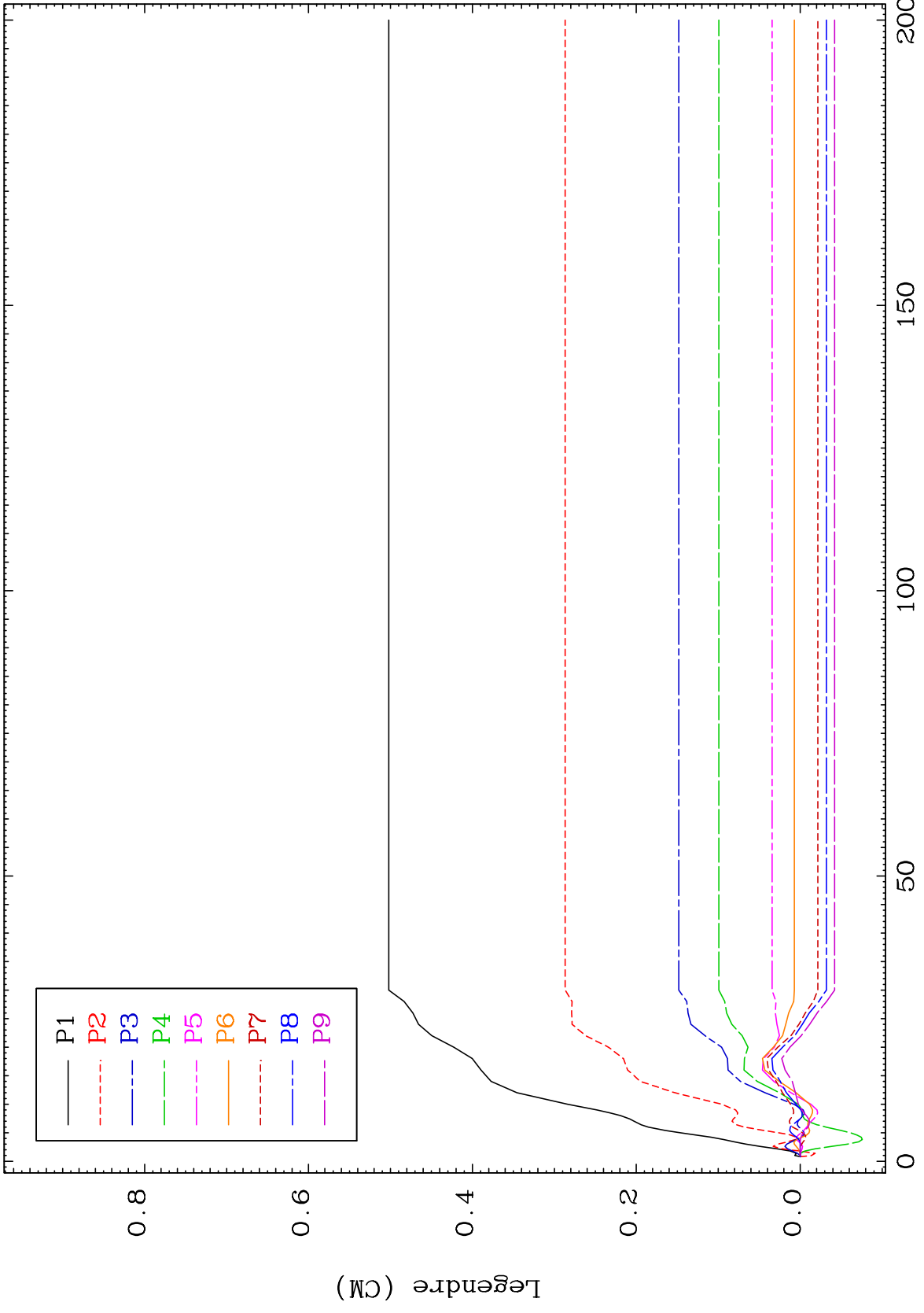


35

Incident Energy (MeV)

60-Nd-145

MAT 6034 MT= 55 (n,n') Level Legendre Coefficients 60-Nd-145

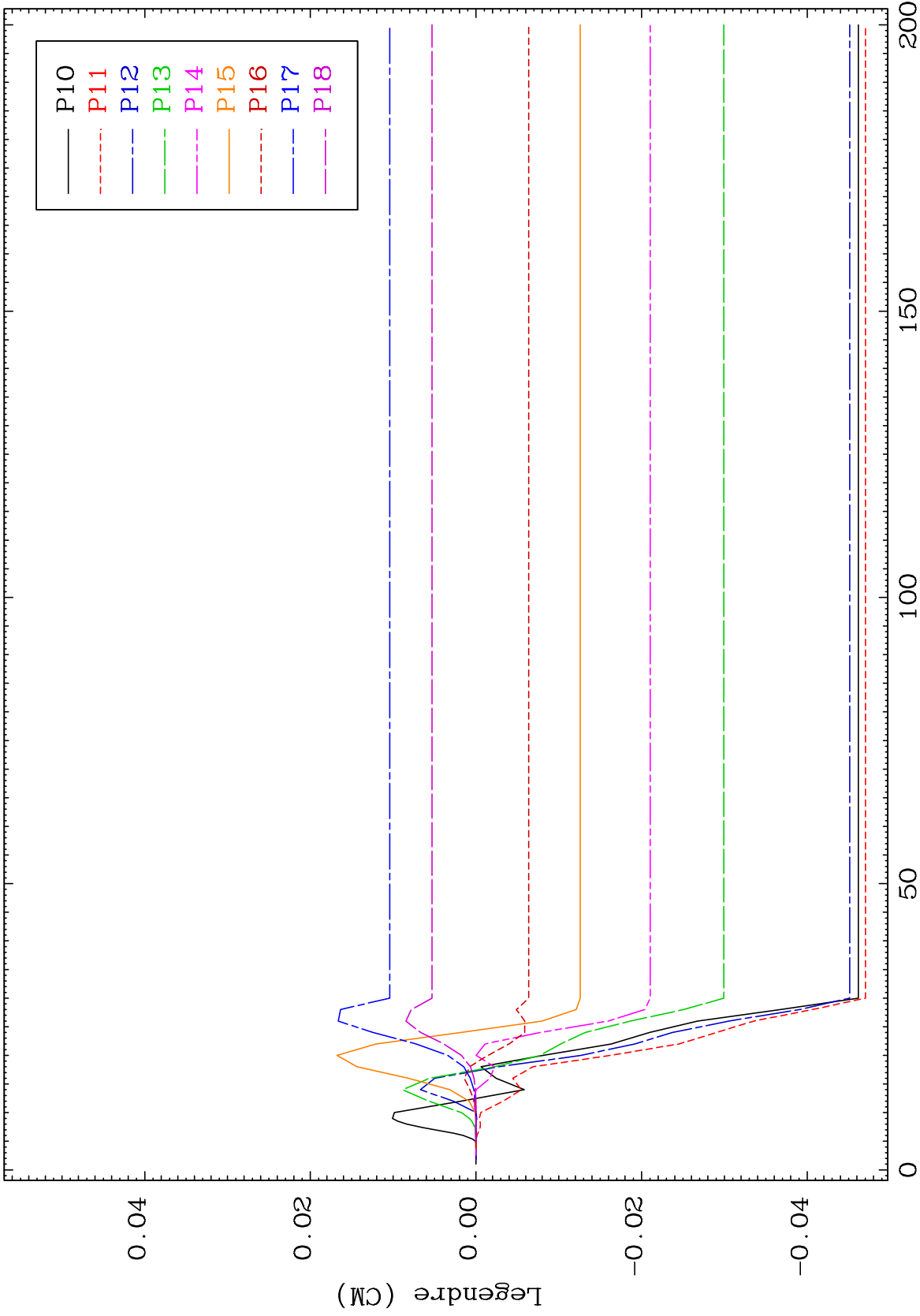


36 Incident Energy (MeV) 60-Nd-145

MAT 6034

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

60-Nd-145



37

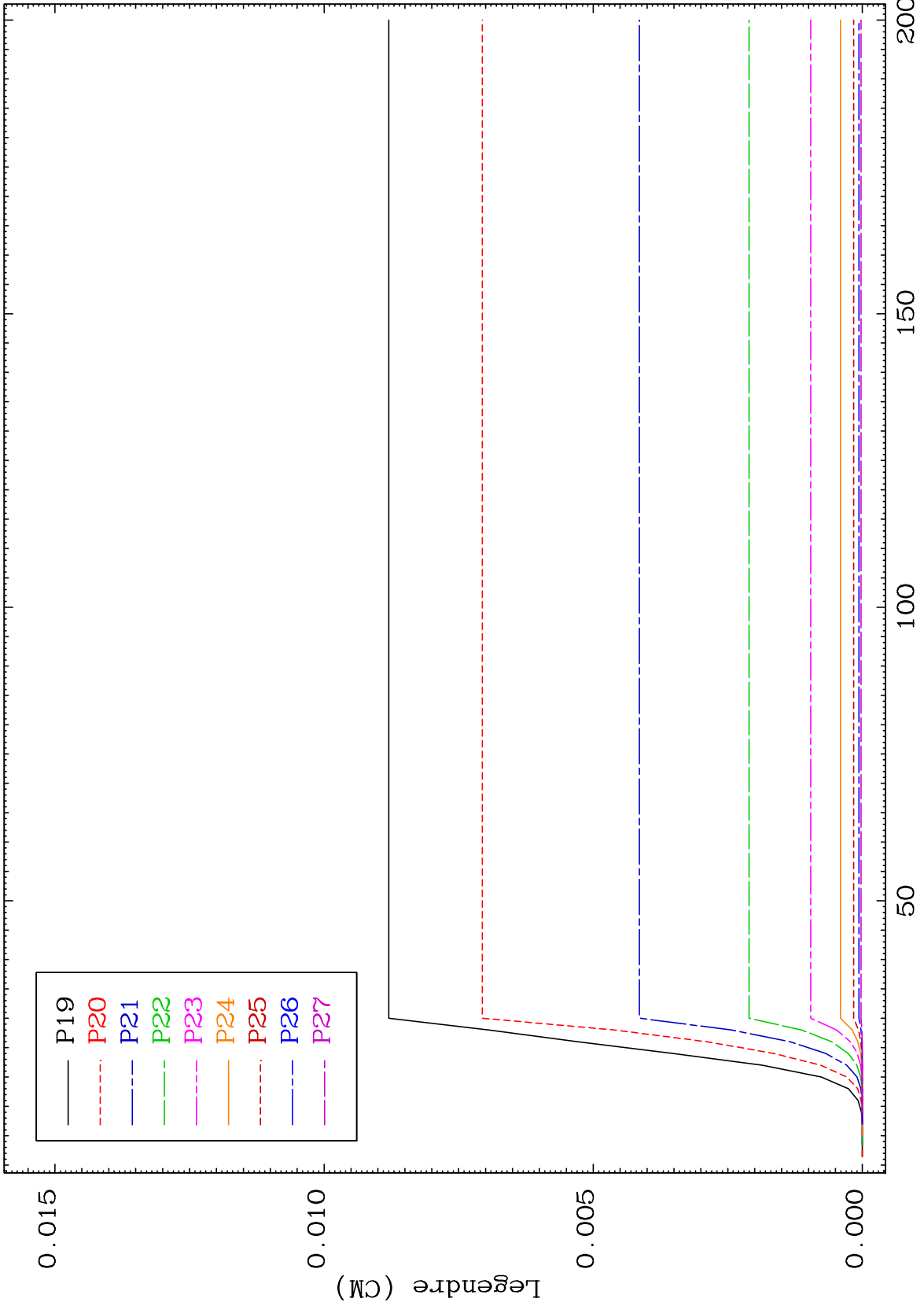
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145



38

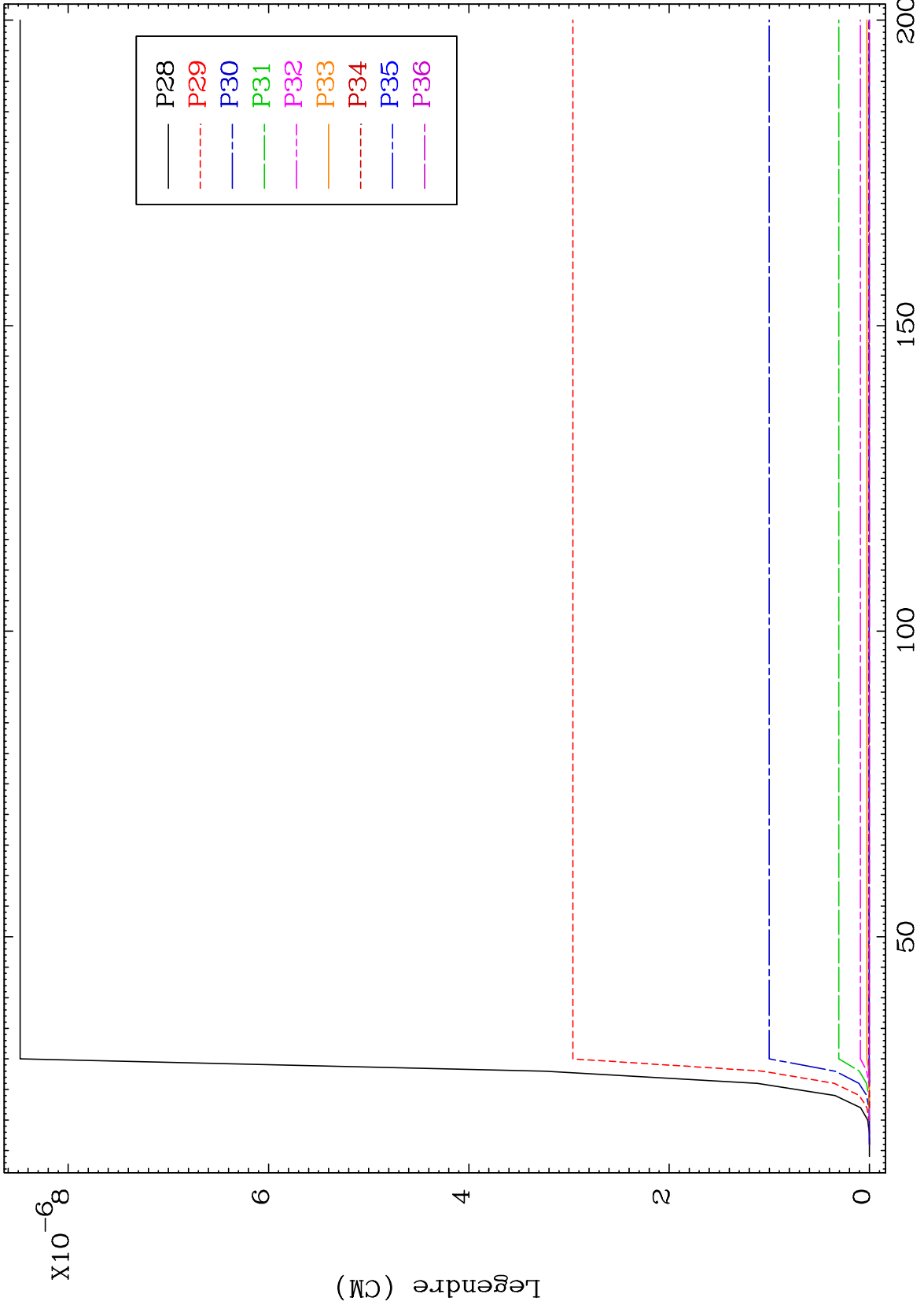
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145

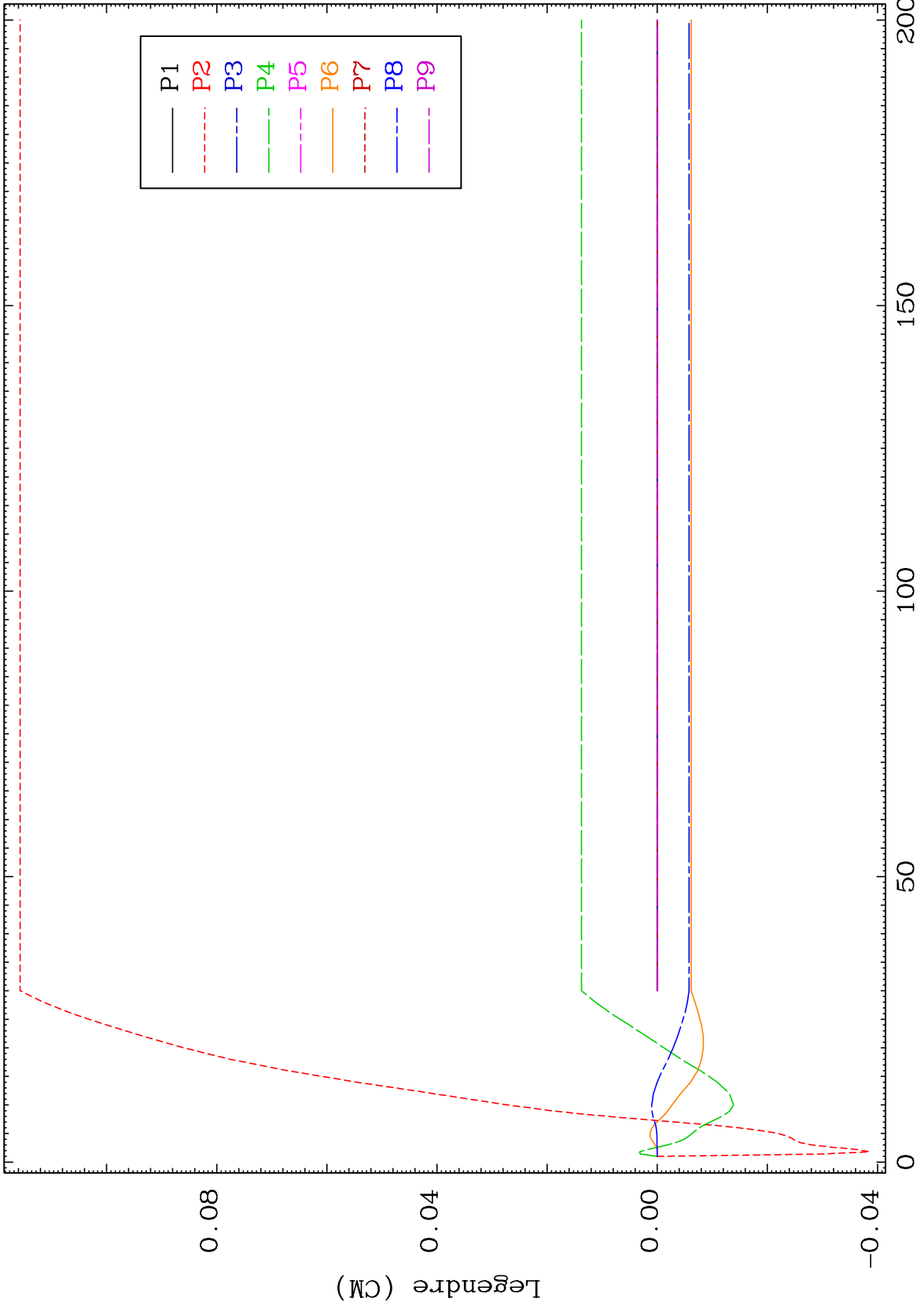


39

Incident Energy (MeV)

60-Nd-145

MAT 6034 MT= 56 (n,n') Level Legendre Coefficients 60-Nd-145

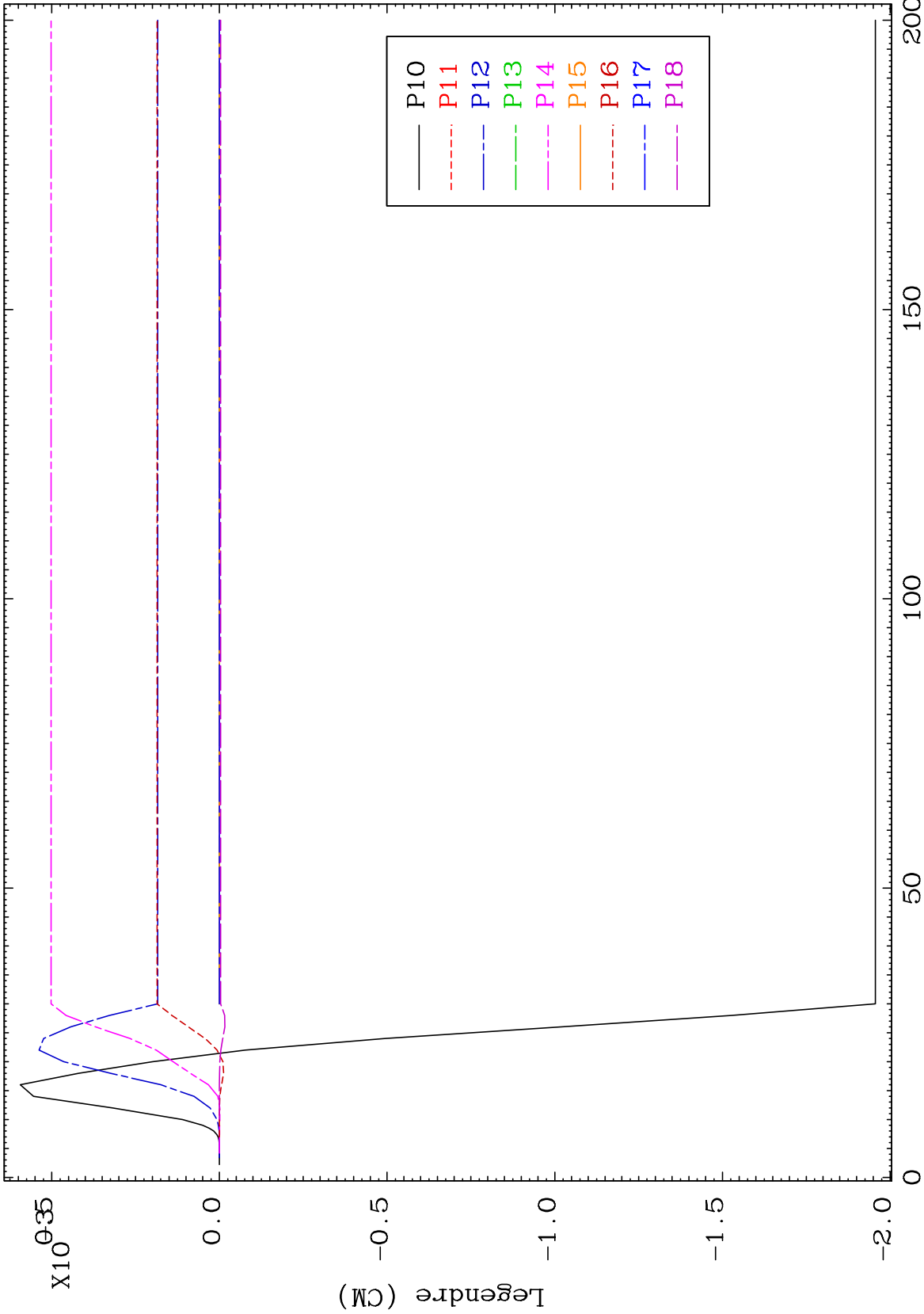


Legendre (CM) Incident Energy (MeV) 60-Nd-145

MAT 6034

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

60-Nd-145

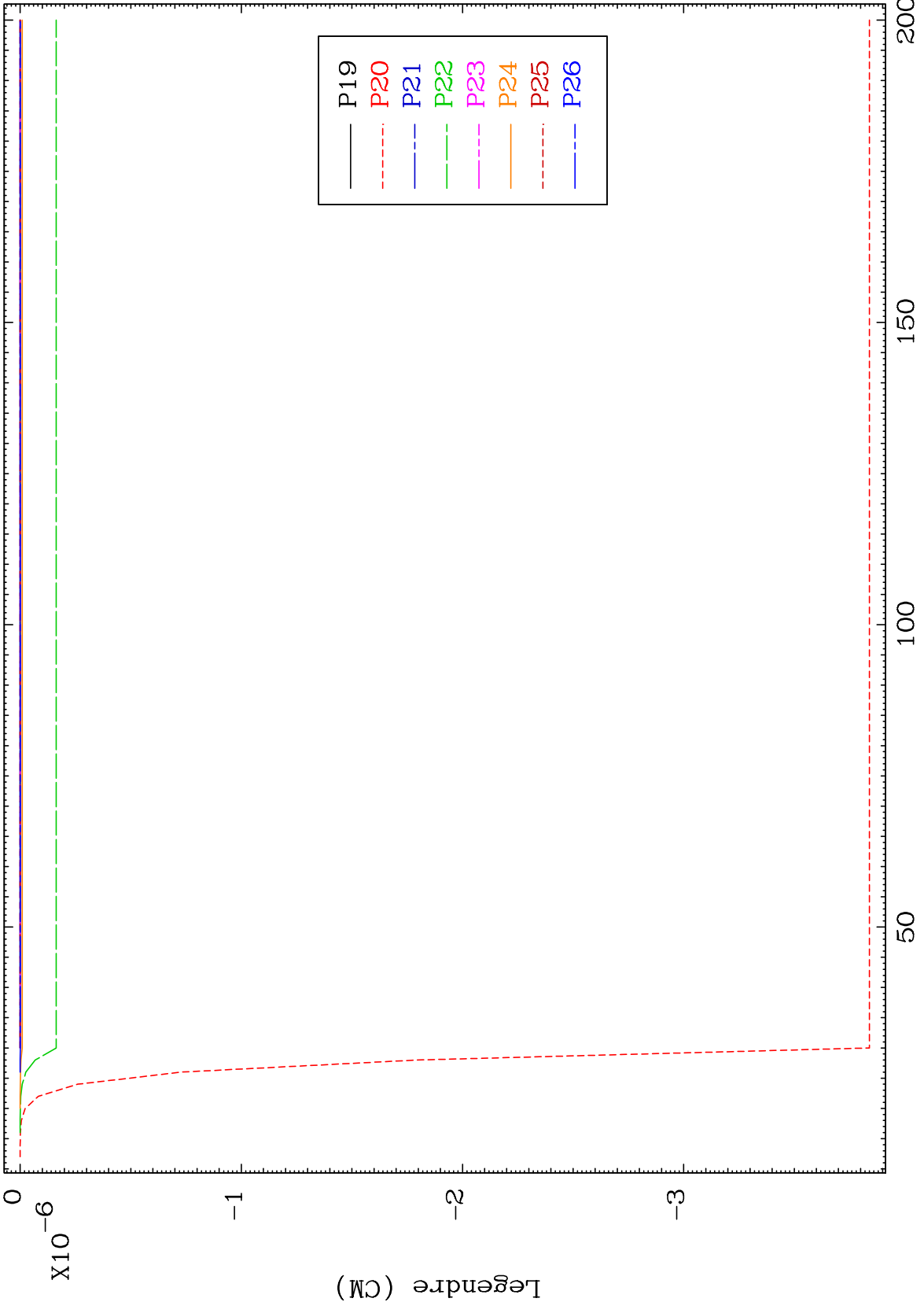


41

Incident Energy (MeV)

60-Nd-145

MAT 6034 MT= 56 (n,n') Level Legendre Coefficients 60-Nd-145

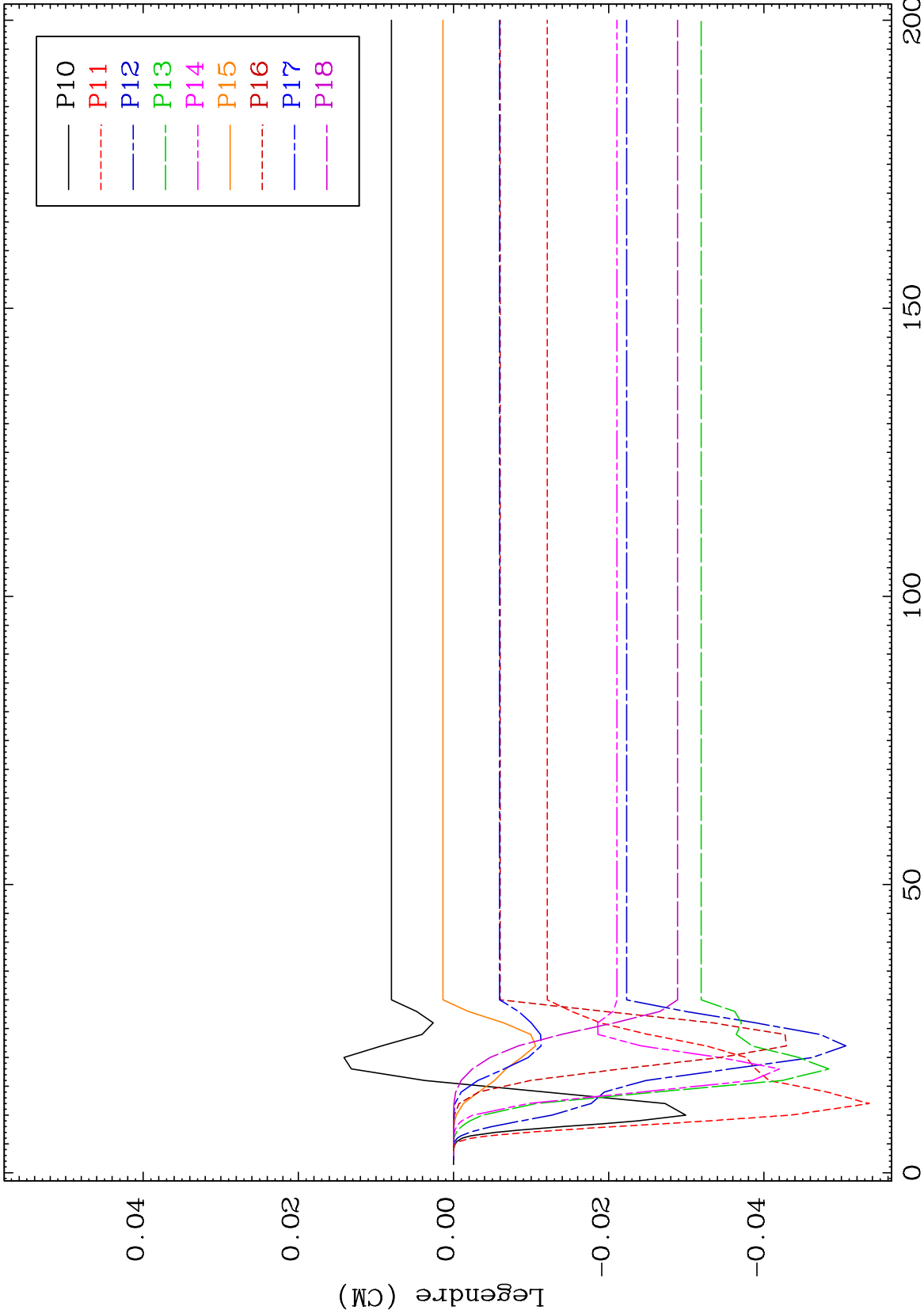


42 Incident Energy (MeV) 60-Nd-145

MAT 6034

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

60-Nd-145

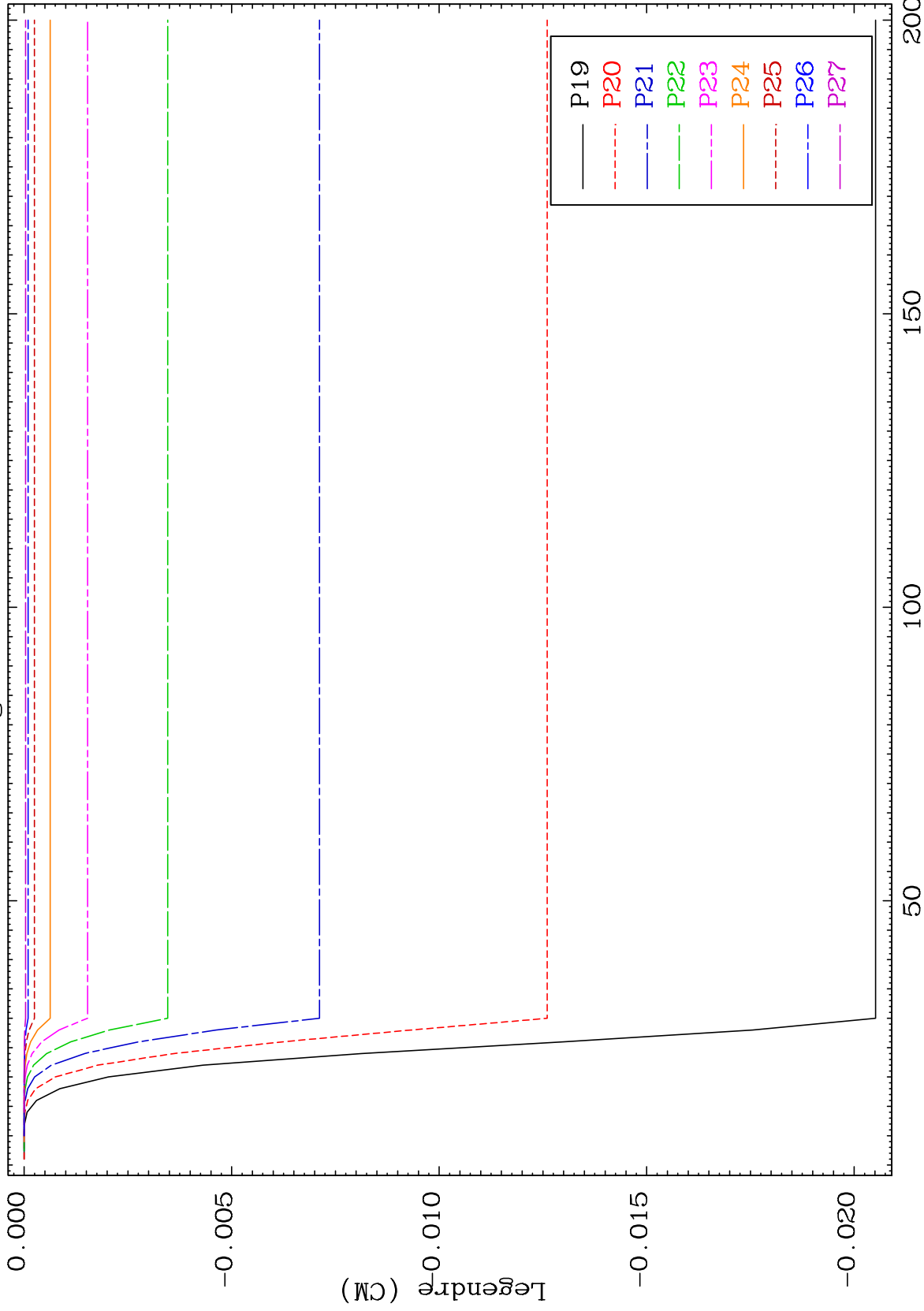


44

Incident Energy (MeV)

60-Nd-145

MAT 6034 MT= 57 (n,n') Level Legendre Coefficients 60-Nd-145

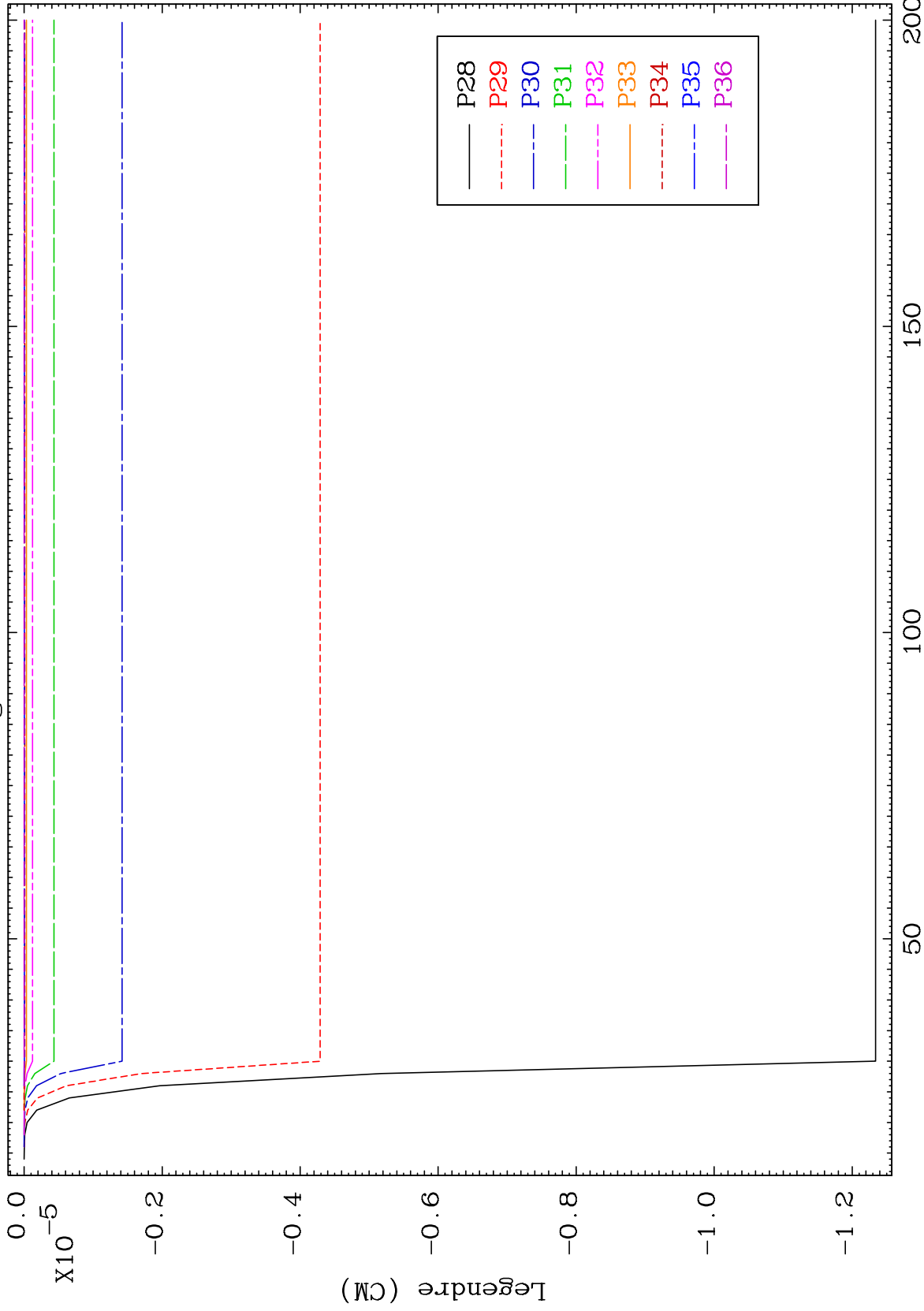


45 Incident Energy (MeV) 60-Nd-145

MAT 6034

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

60-Nd-145



46

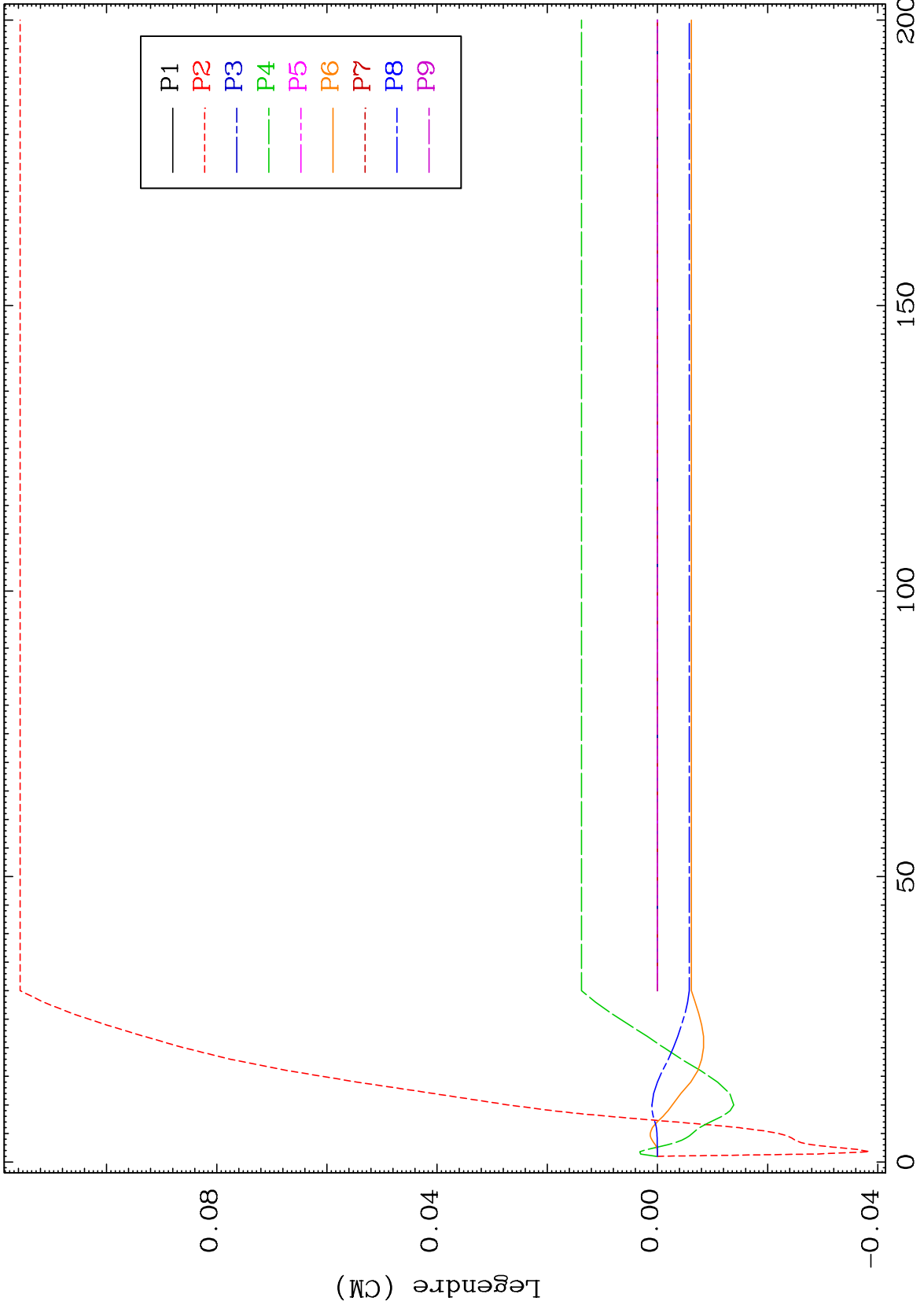
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145



47

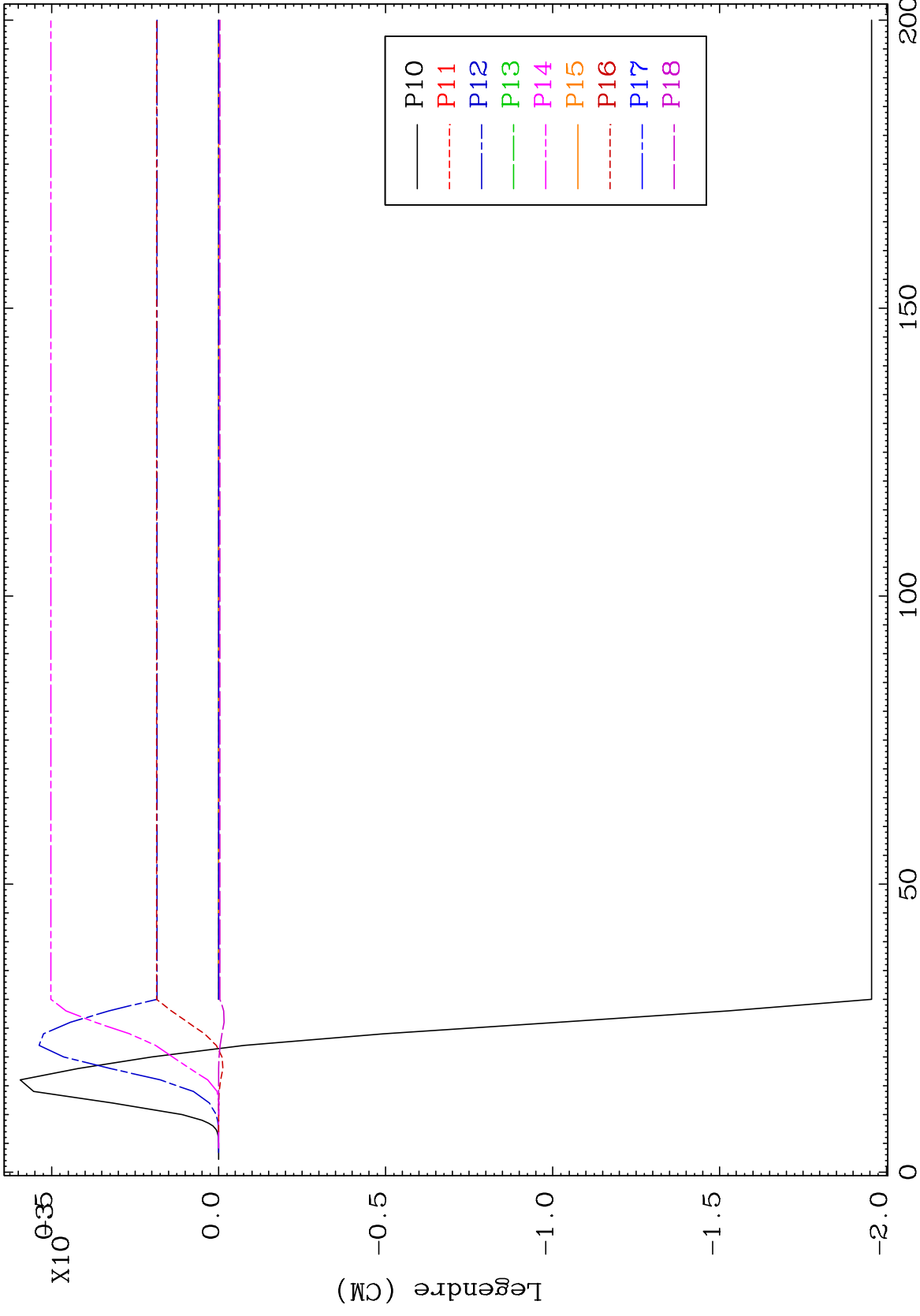
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145

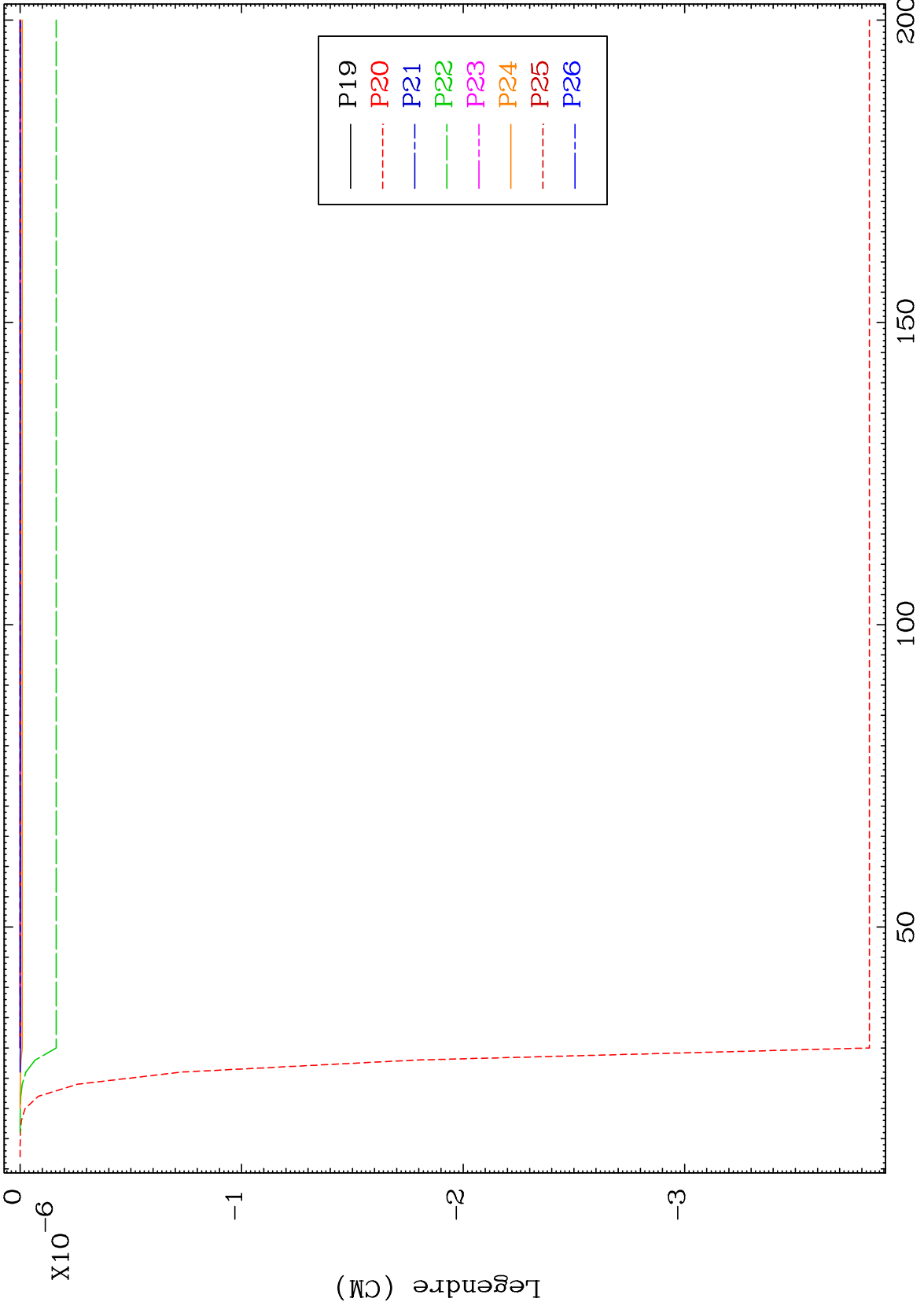


48

Incident Energy (MeV)

60-Nd-145

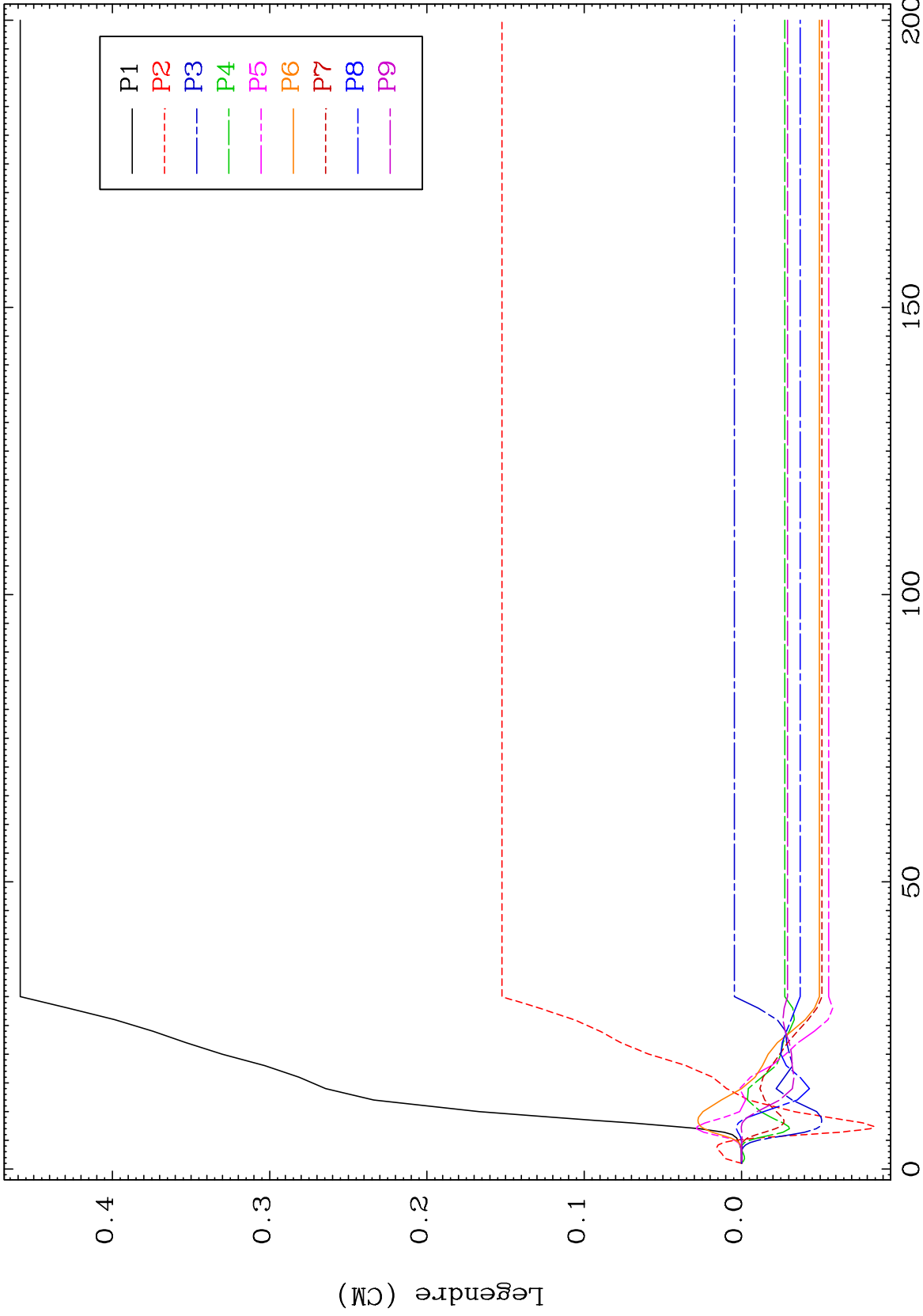
MAT 6034 MT= 58 (n,n') Level Legendre Coefficients 60-Nd-145



MAT 6034

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

60-Nd-145



60-Nd-145

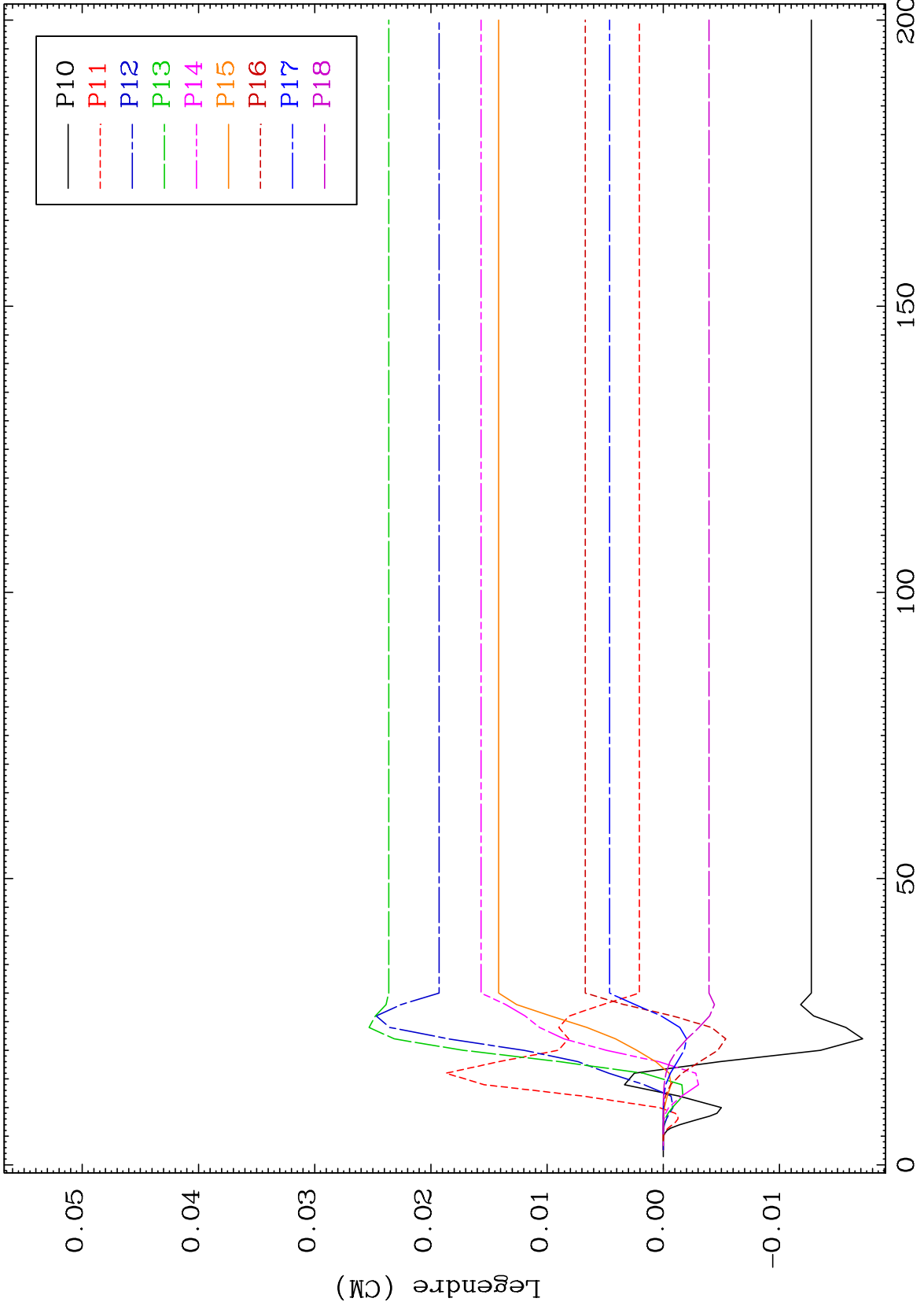
Incident Energy (MeV)

Legendre (CM)

MAT 6034

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

60-Nd-145



51

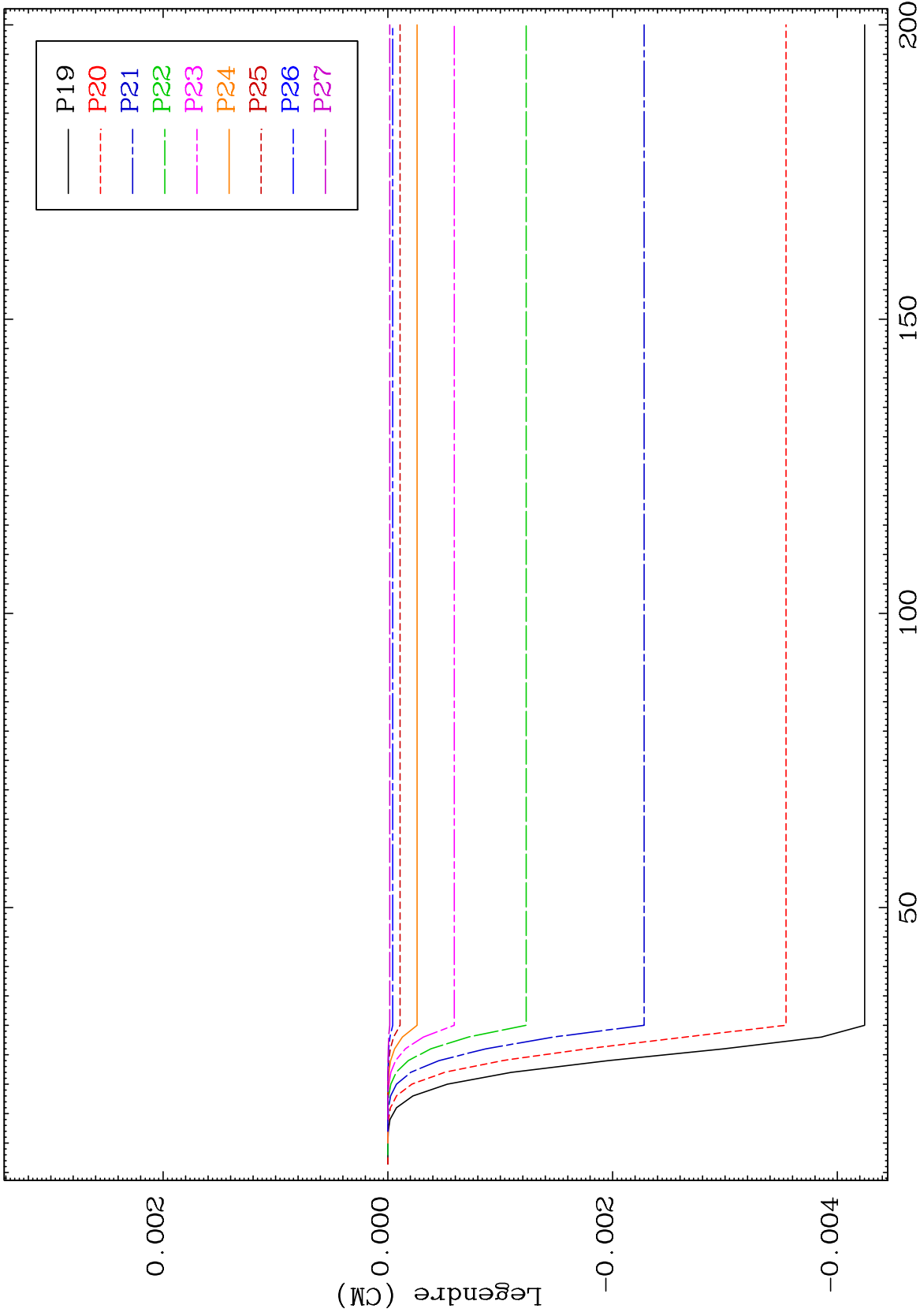
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145

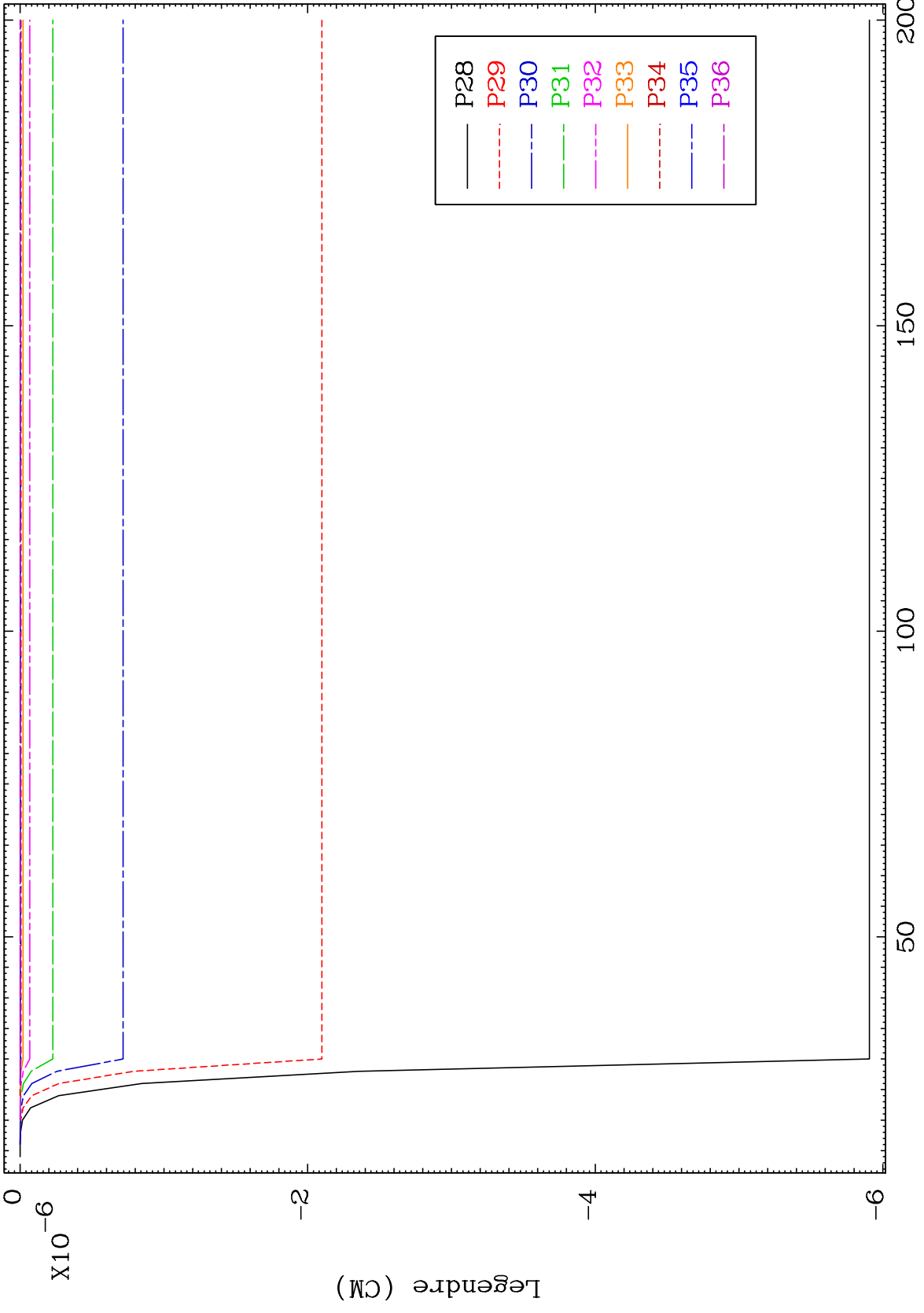


52

Incident Energy (MeV)

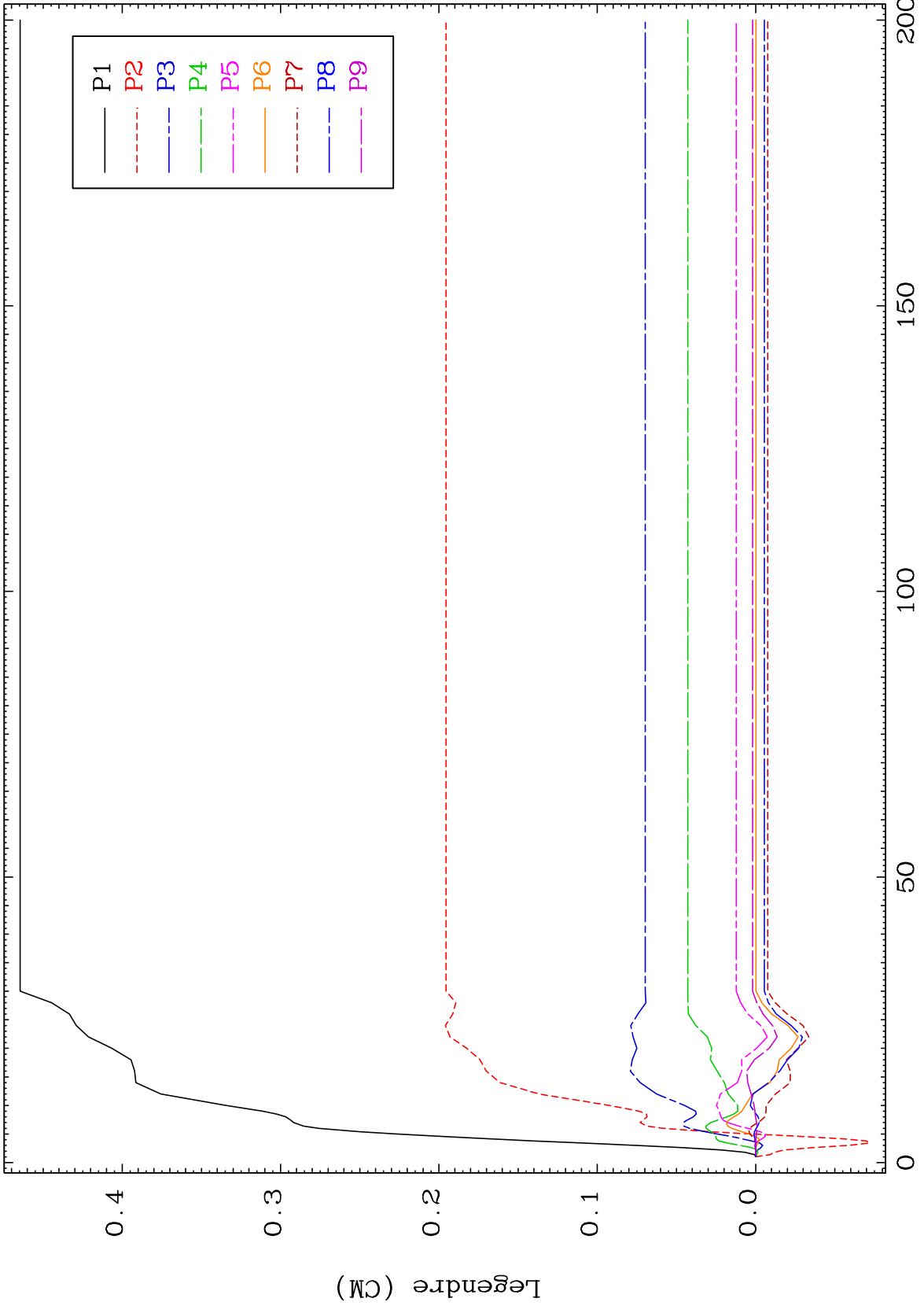
60-Nd-145

MAT 6034 MT= 59 (n,n') Level Legendre Coefficients 60-Nd-145



53 Incident Energy (MeV) 60-Nd-145

MAT 6034 MT= 60 (n,n') Level Legendre Coefficients 60-Nd-145

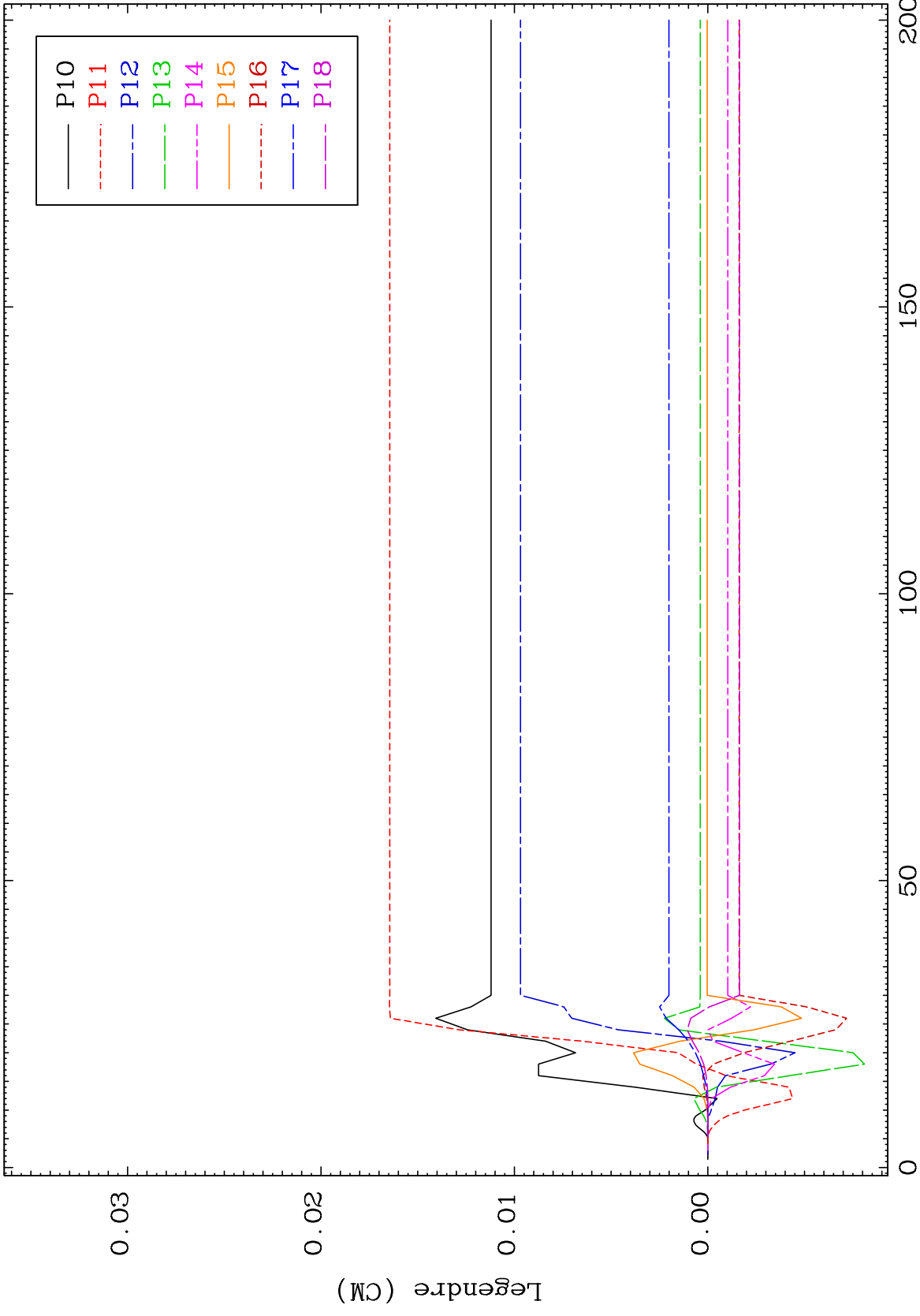


54 Incident Energy (MeV) 60-Nd-145

MAT 6034

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

60-Nd-145



55

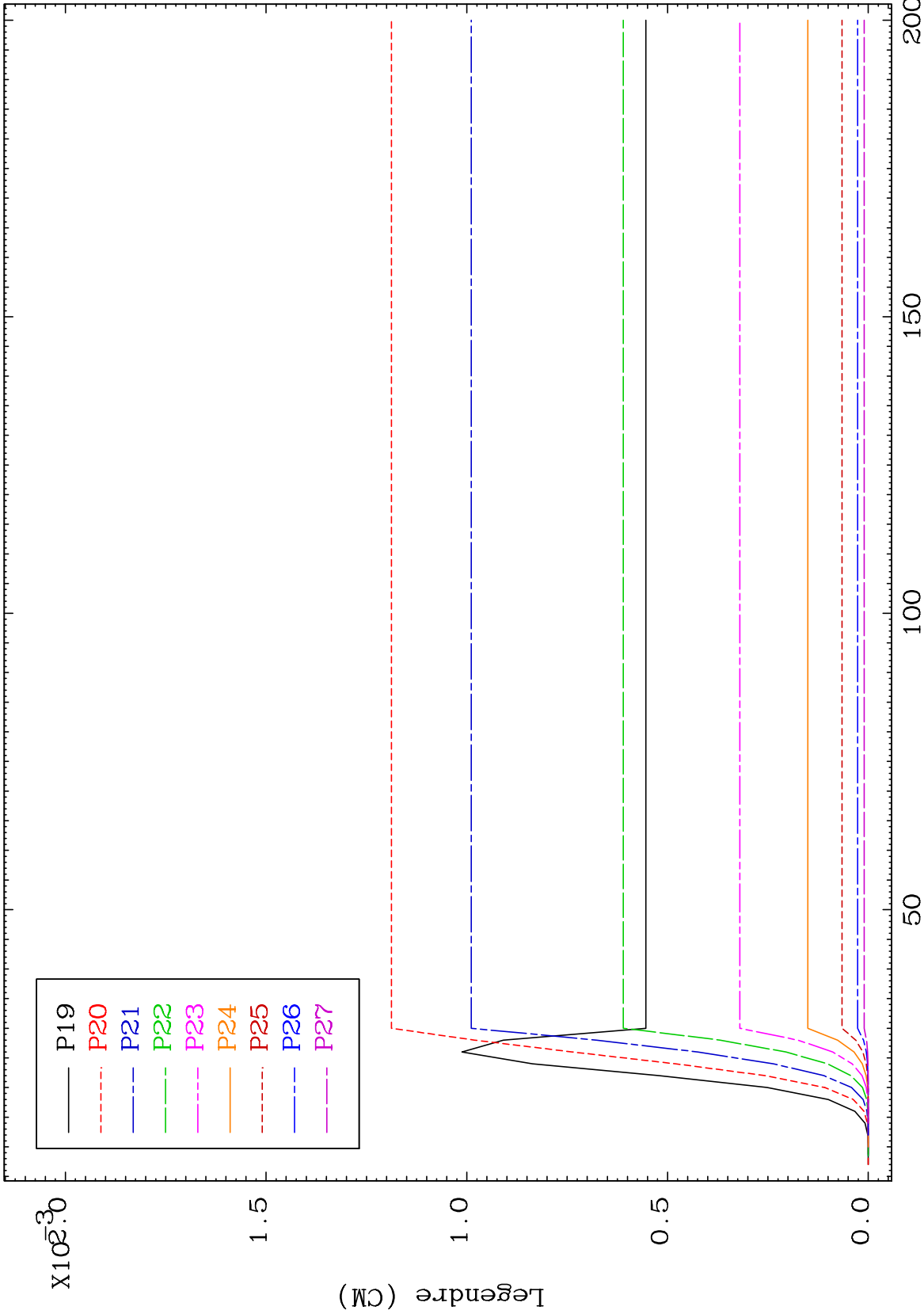
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145



56

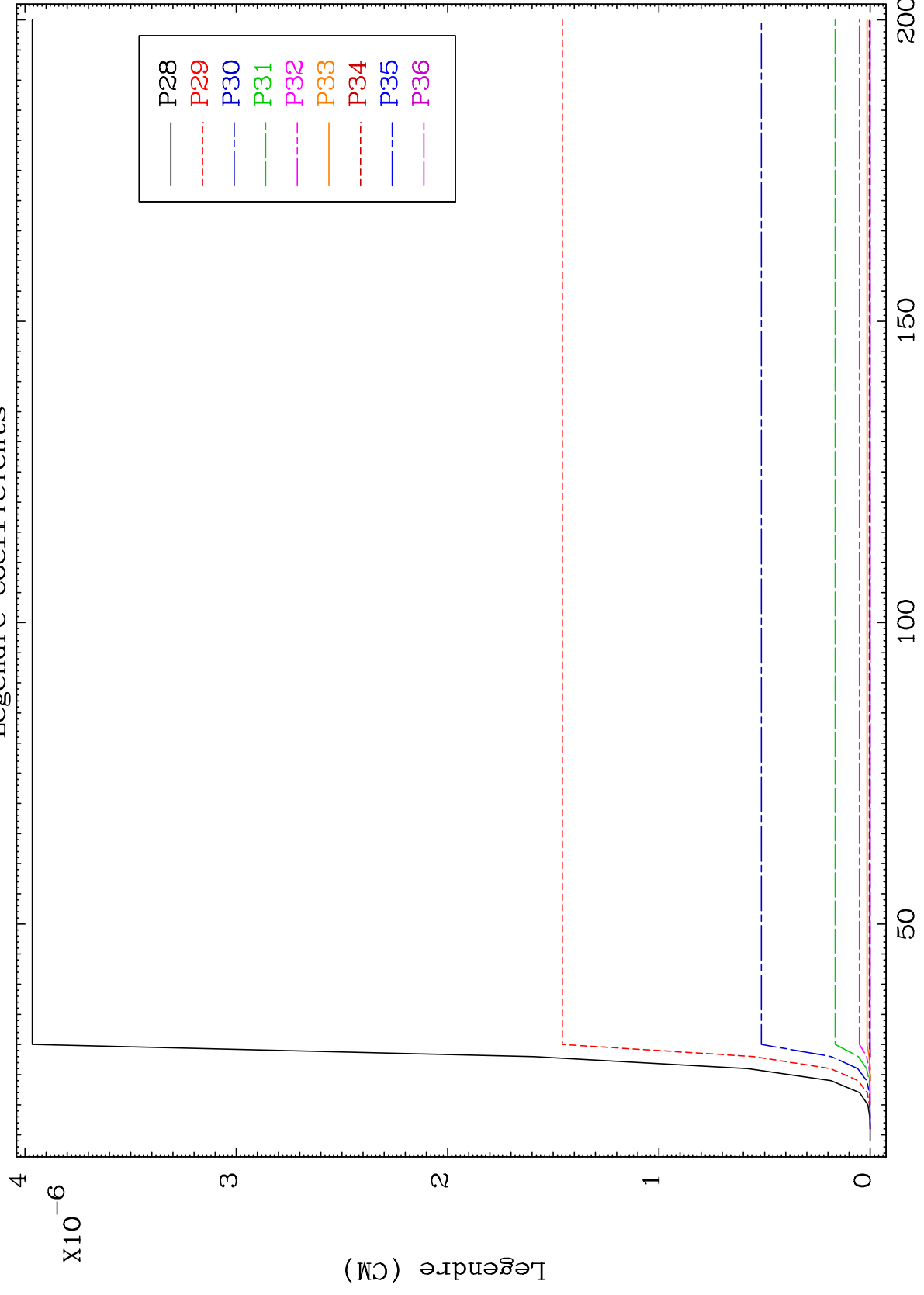
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145



57

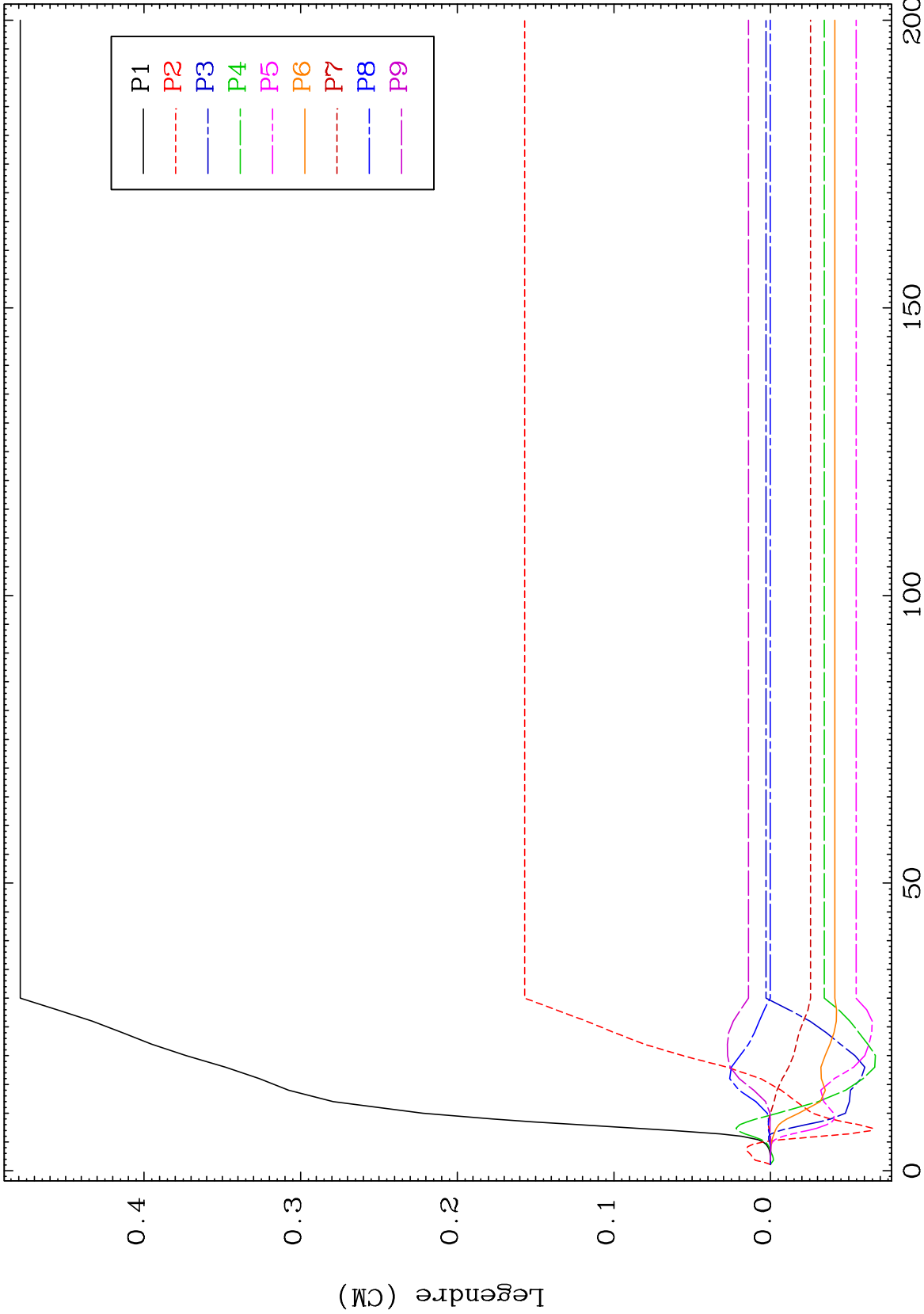
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145

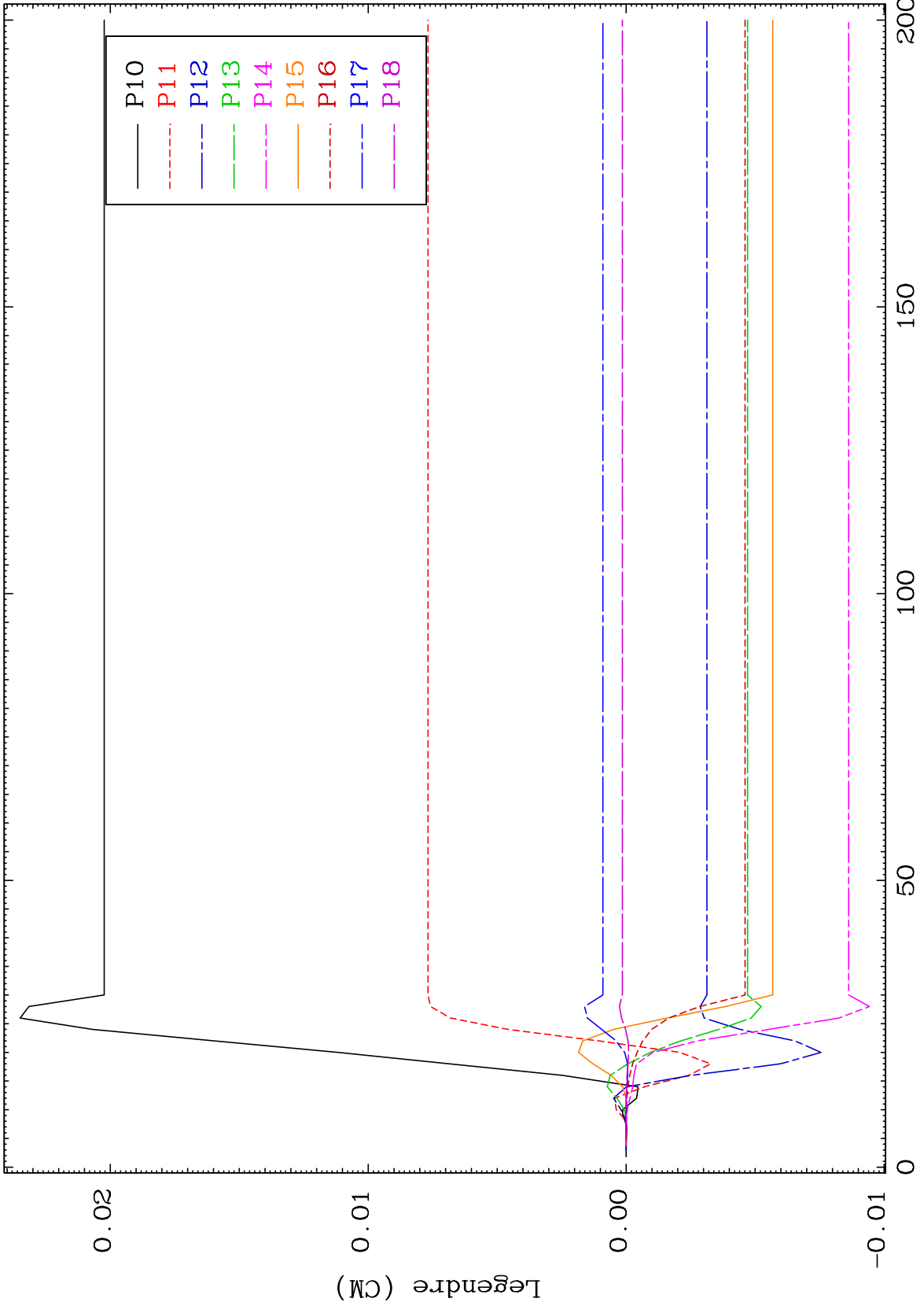


58

Incident Energy (MeV)

60-Nd-145

MAT 6034 MT= 61 (n,n') Level Legendre Coefficients 60-Nd-145

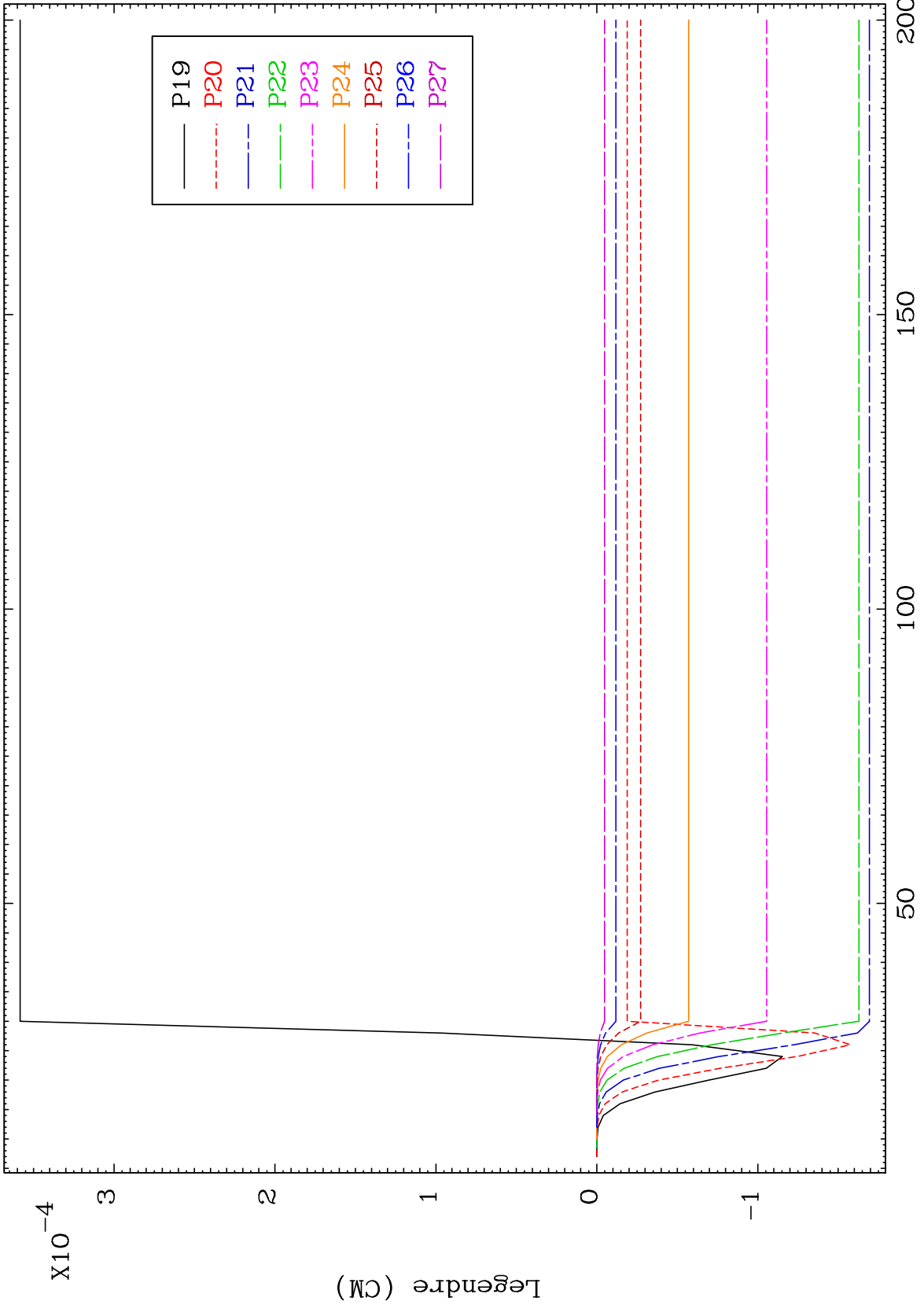


59 60-Nd-145

MAT 6034

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

60-Nd-145



60

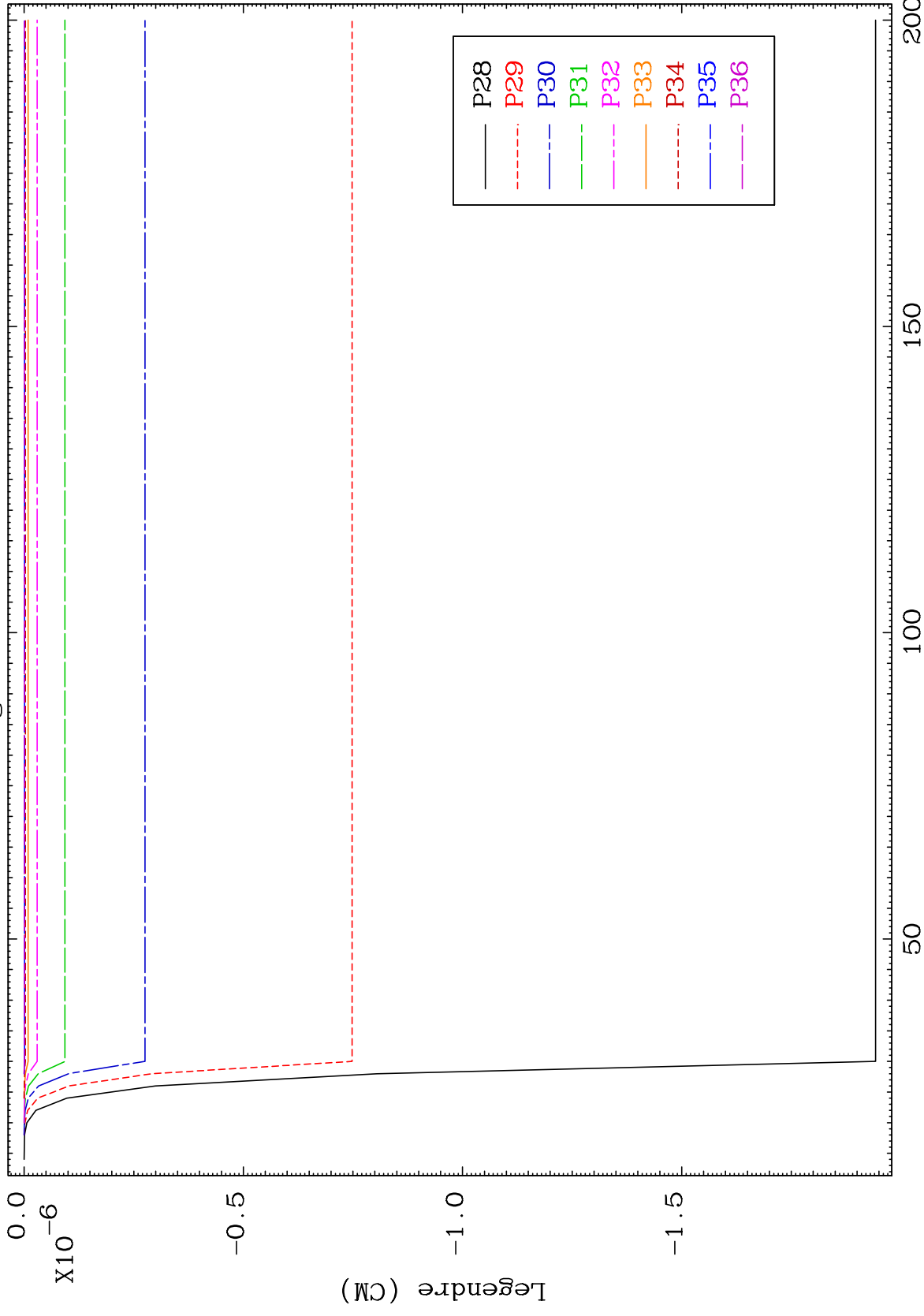
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145

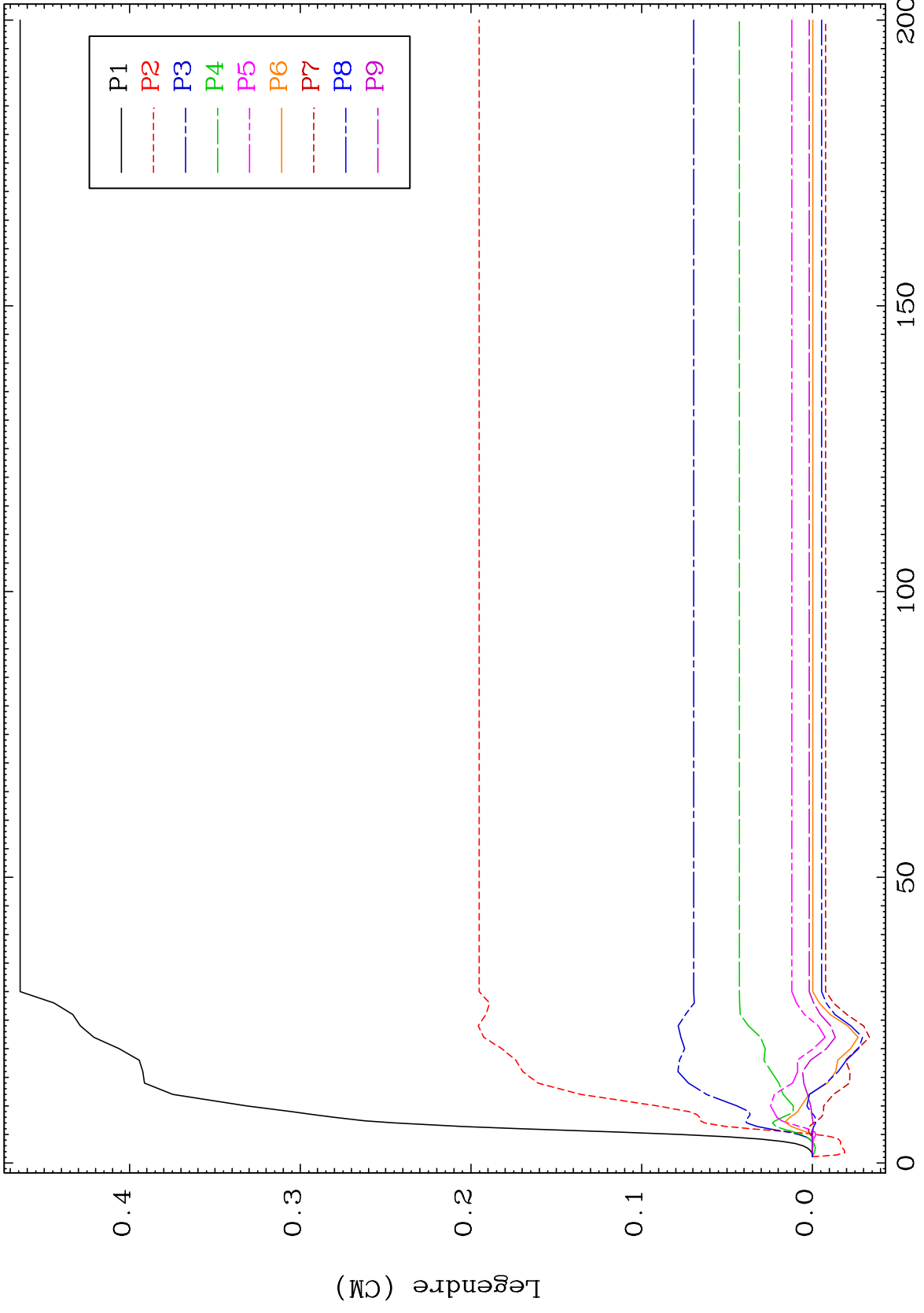


61

Incident Energy (MeV)

60-Nd-145

MAT 6034 MT= 62 (n,n') Level Legendre Coefficients 60-Nd-145

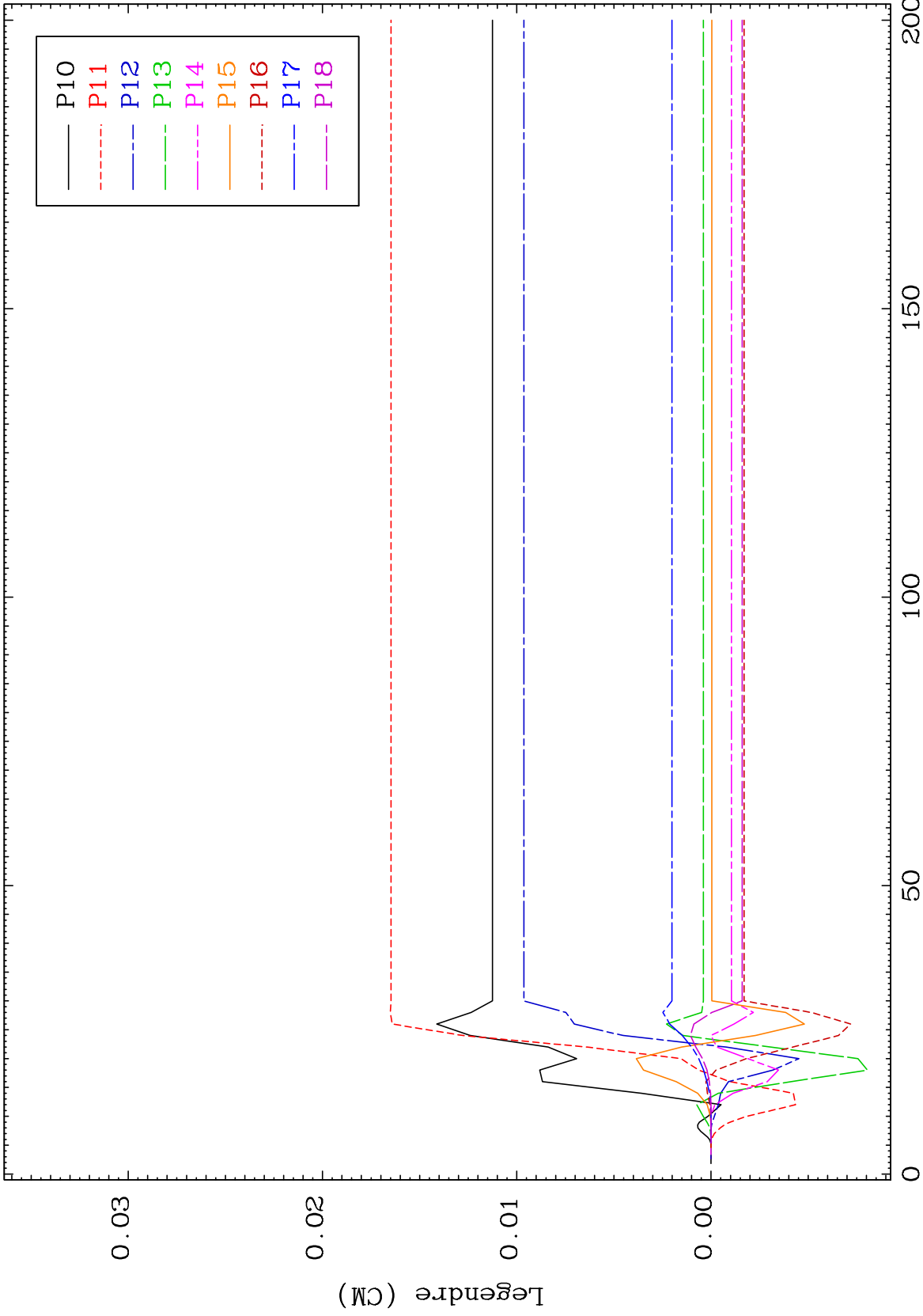


62 60-Nd-145

MAT 6034

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

60-Nd-145



63

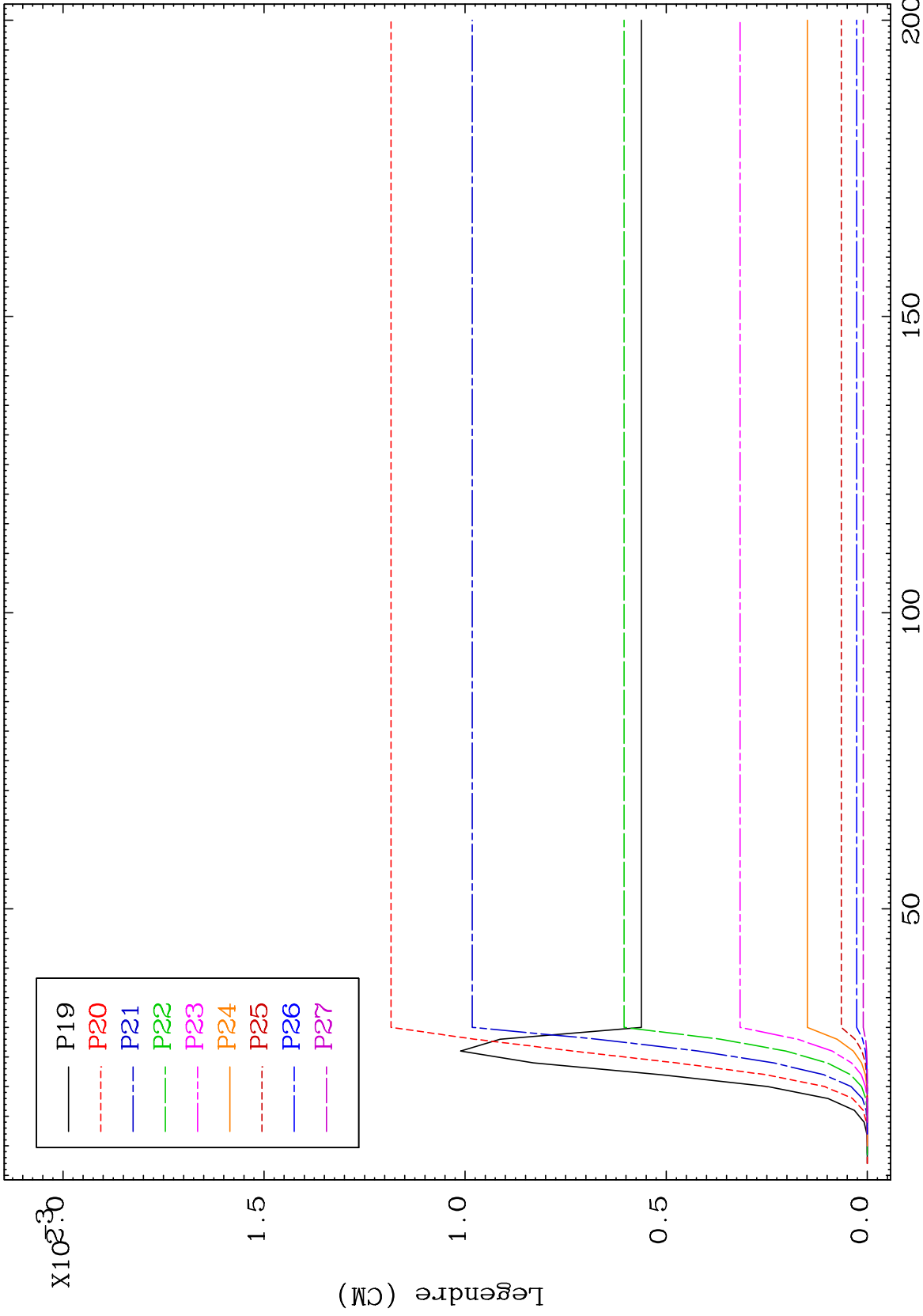
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145



64

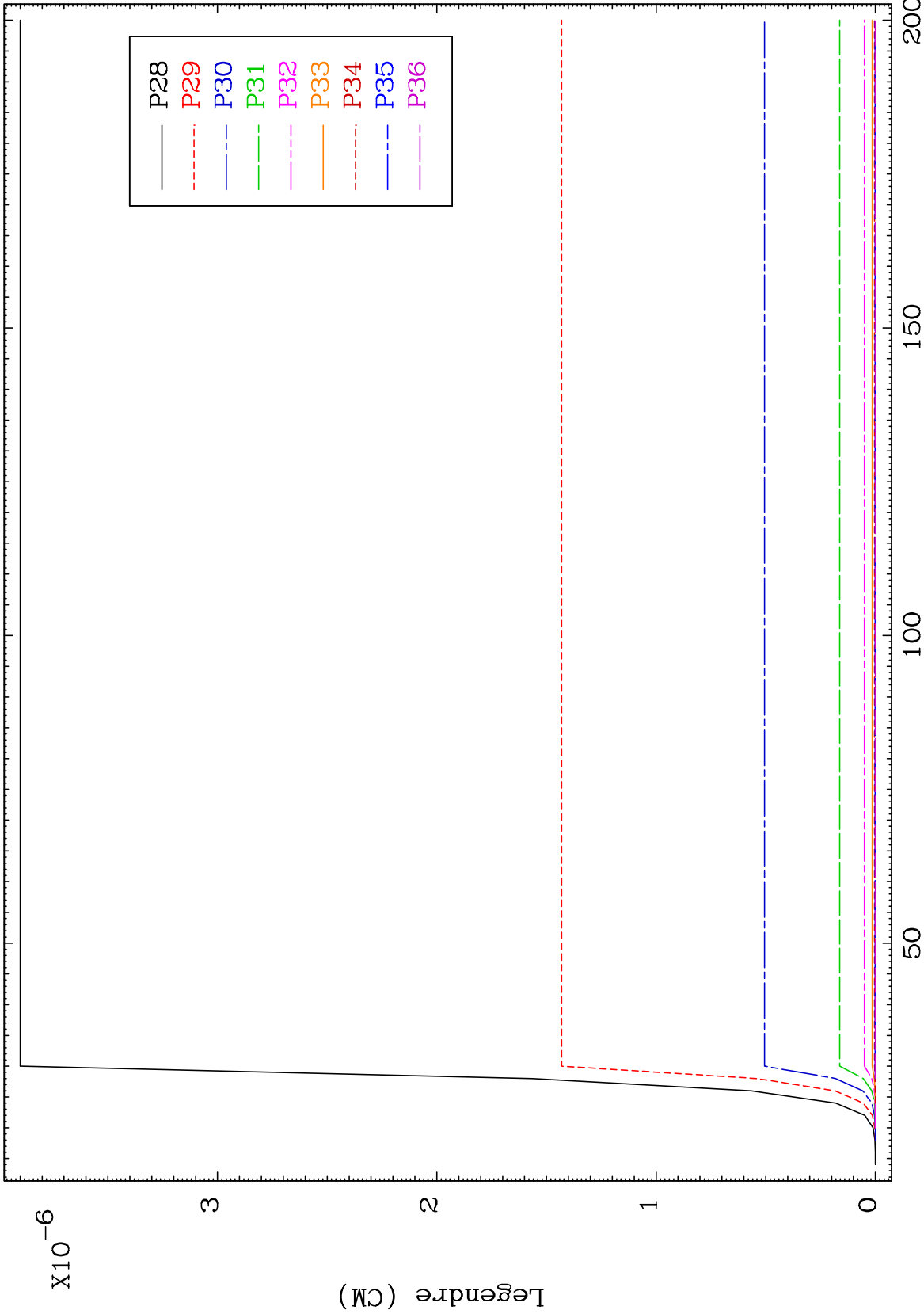
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145



65

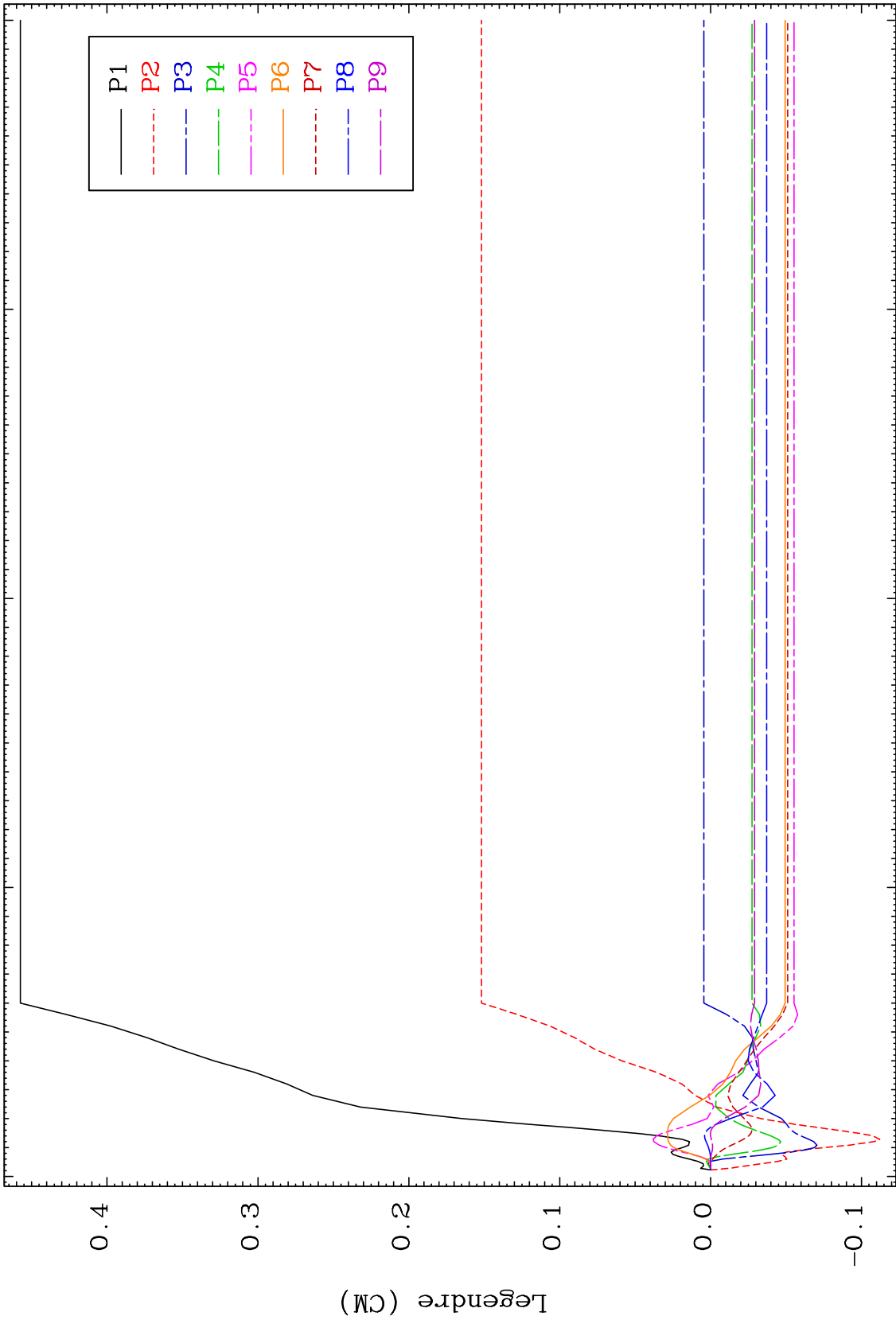
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145



66

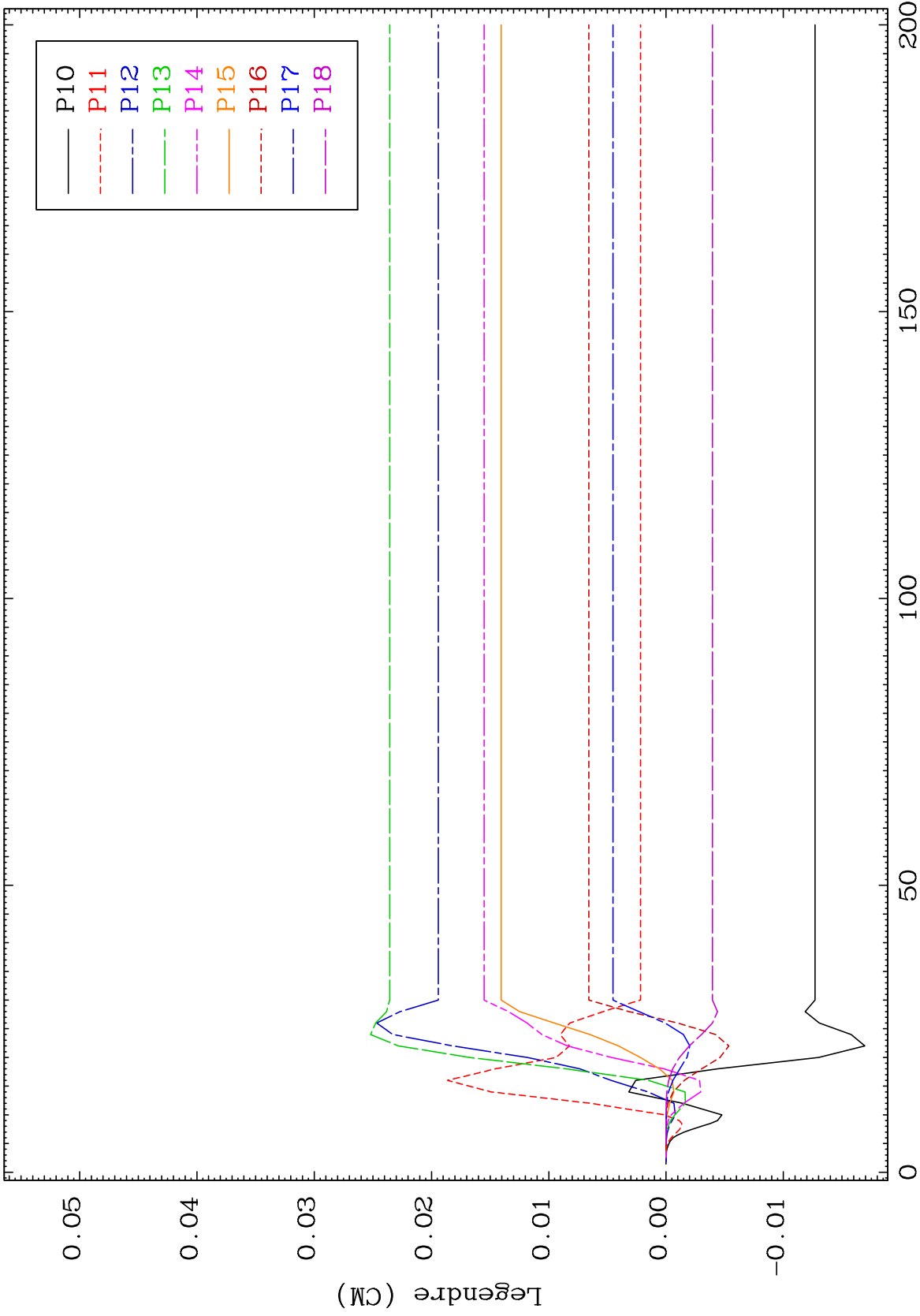
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145



67

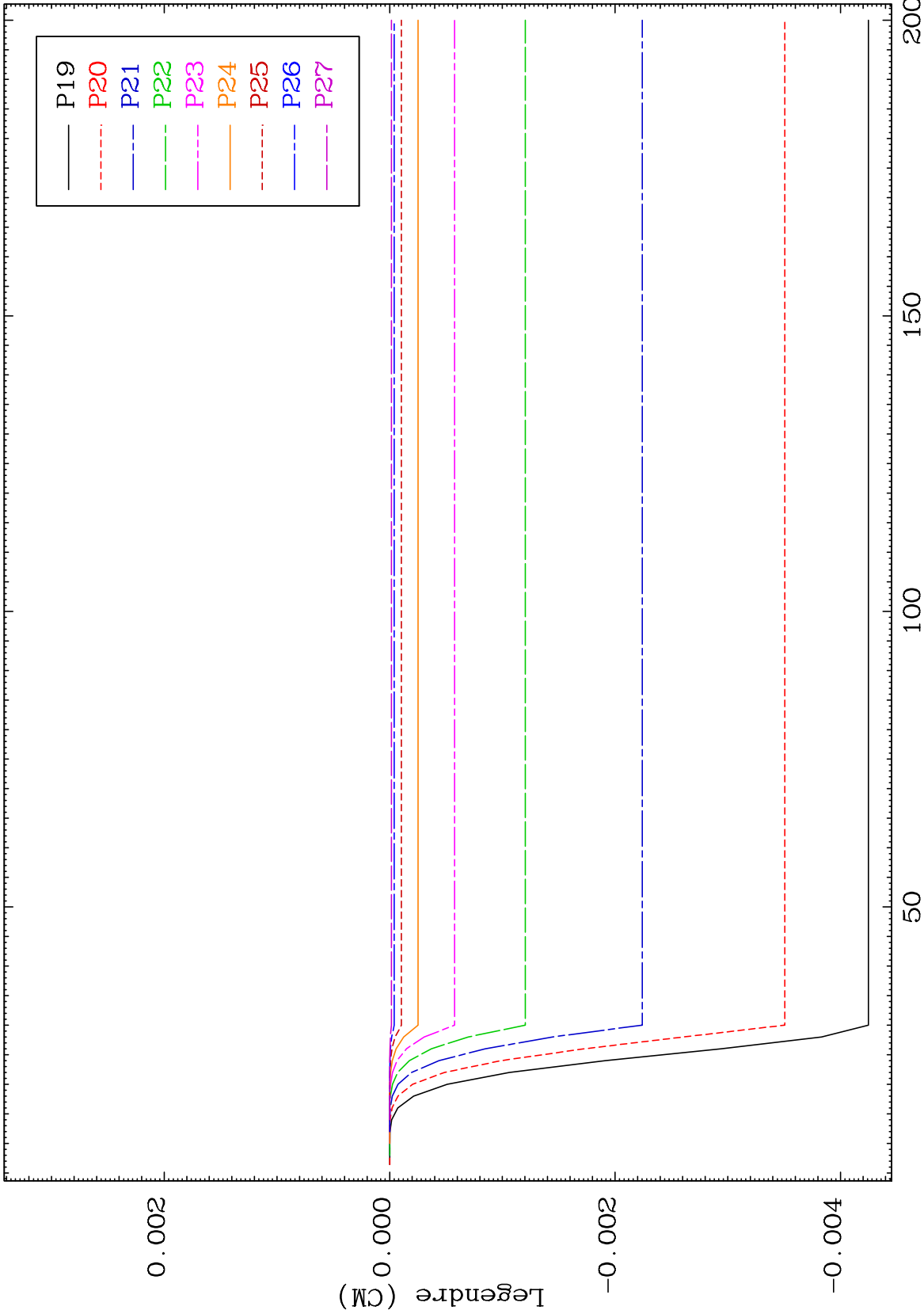
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145



68

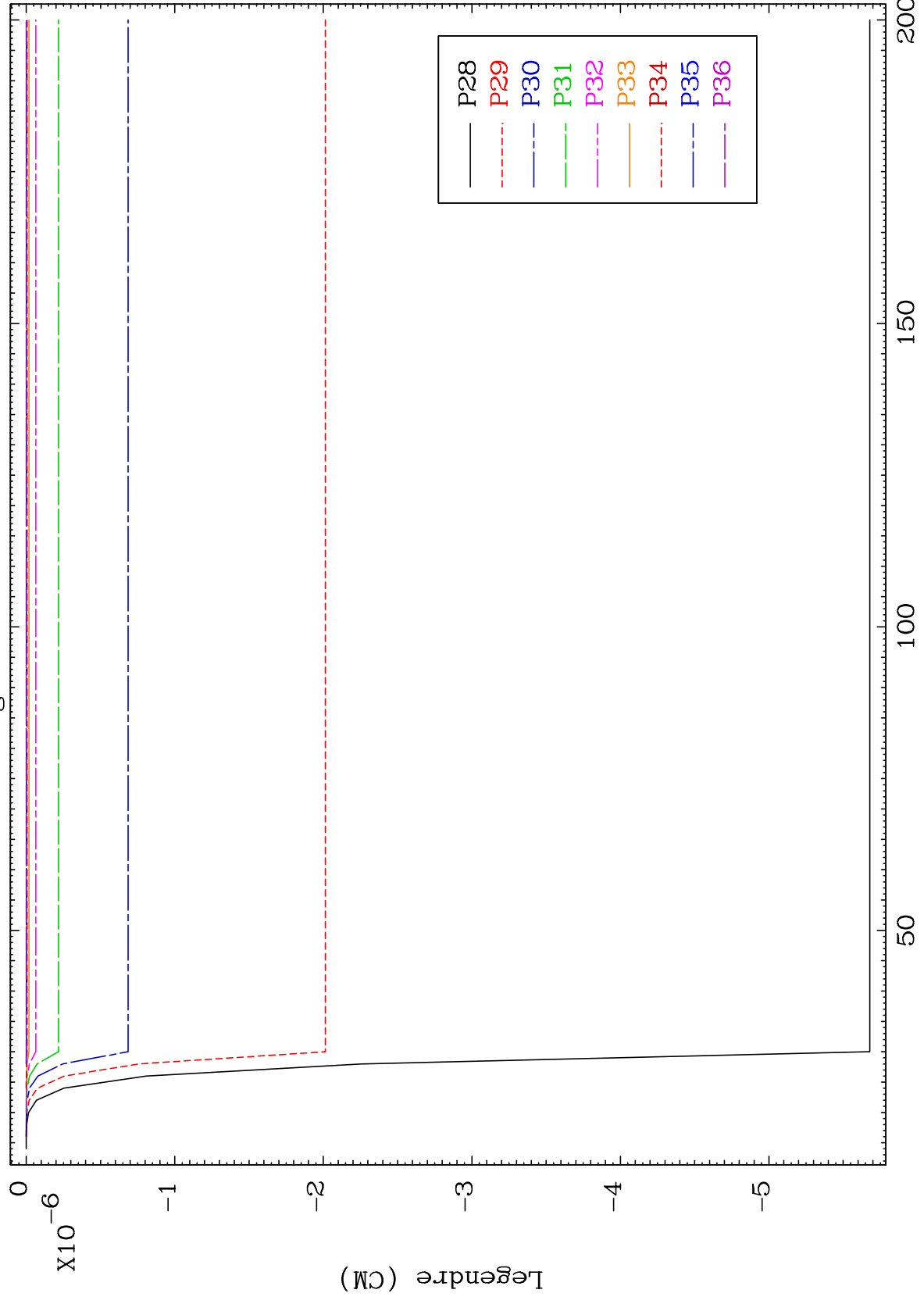
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145

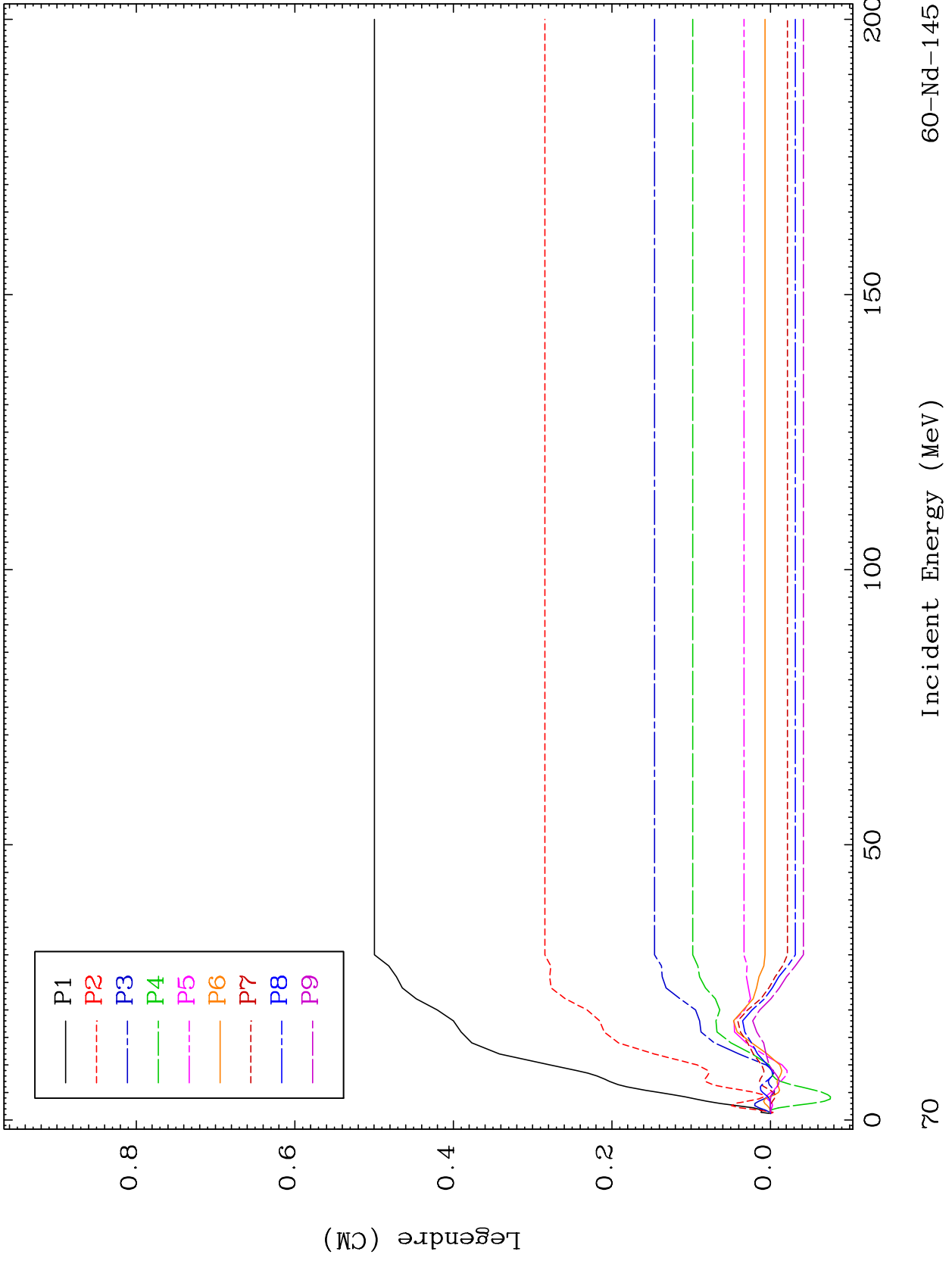


69

Incident Energy (MeV)

60-Nd-145

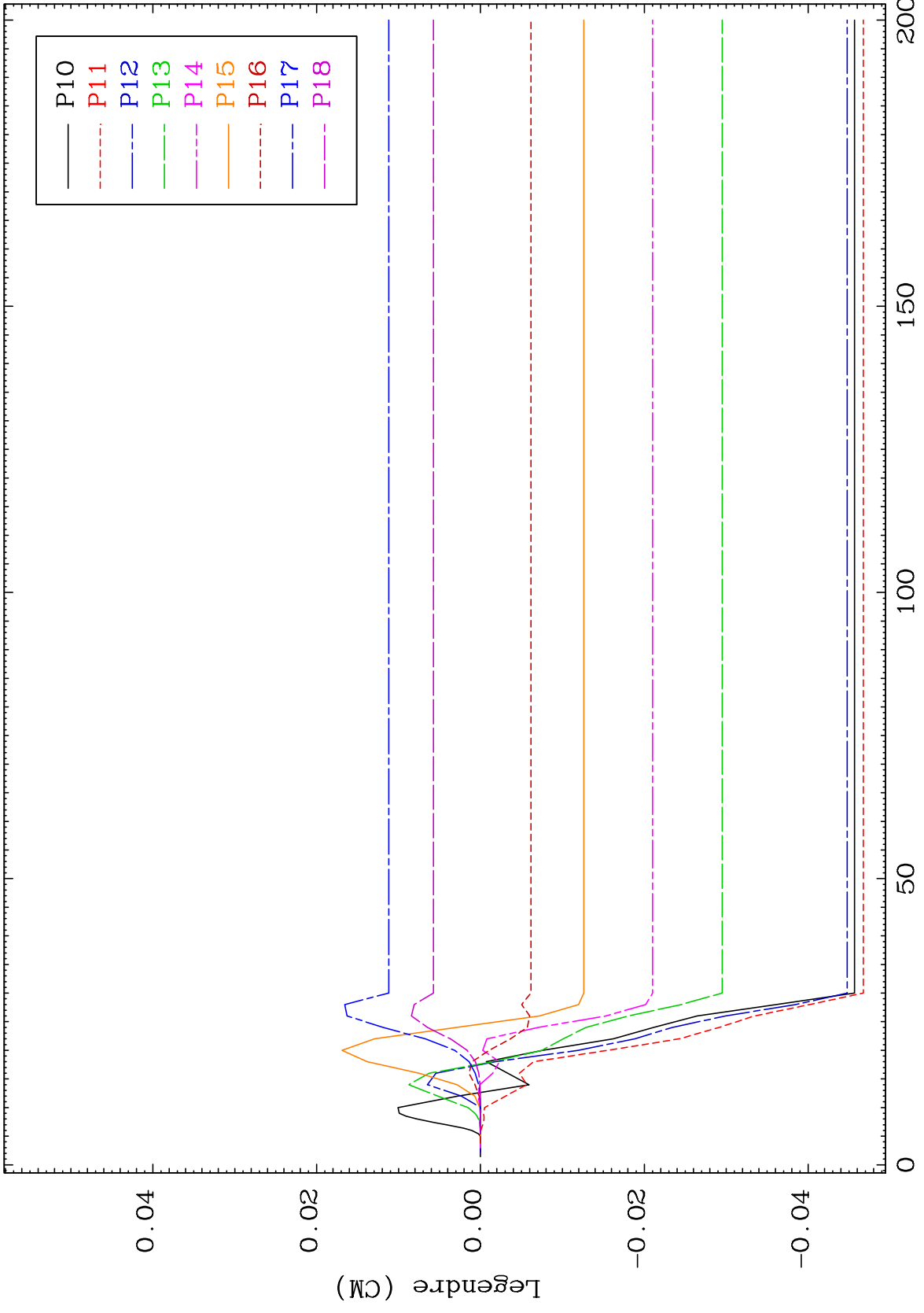
MAT 6034 MT= 64 (n,n') Level Legendre Coefficients 60-Nd-145



MAT 6034

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

60-Nd-145



71

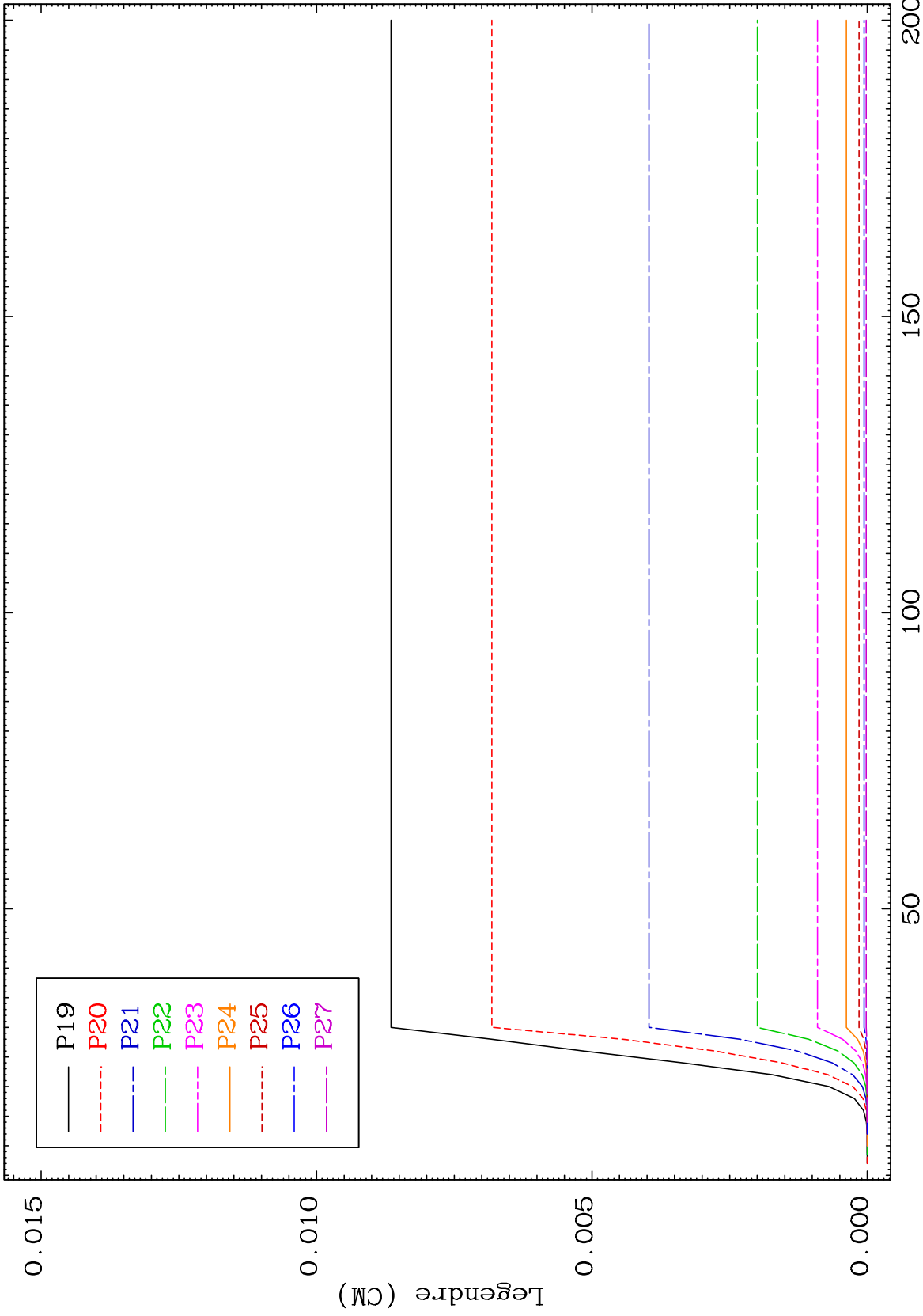
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145



72

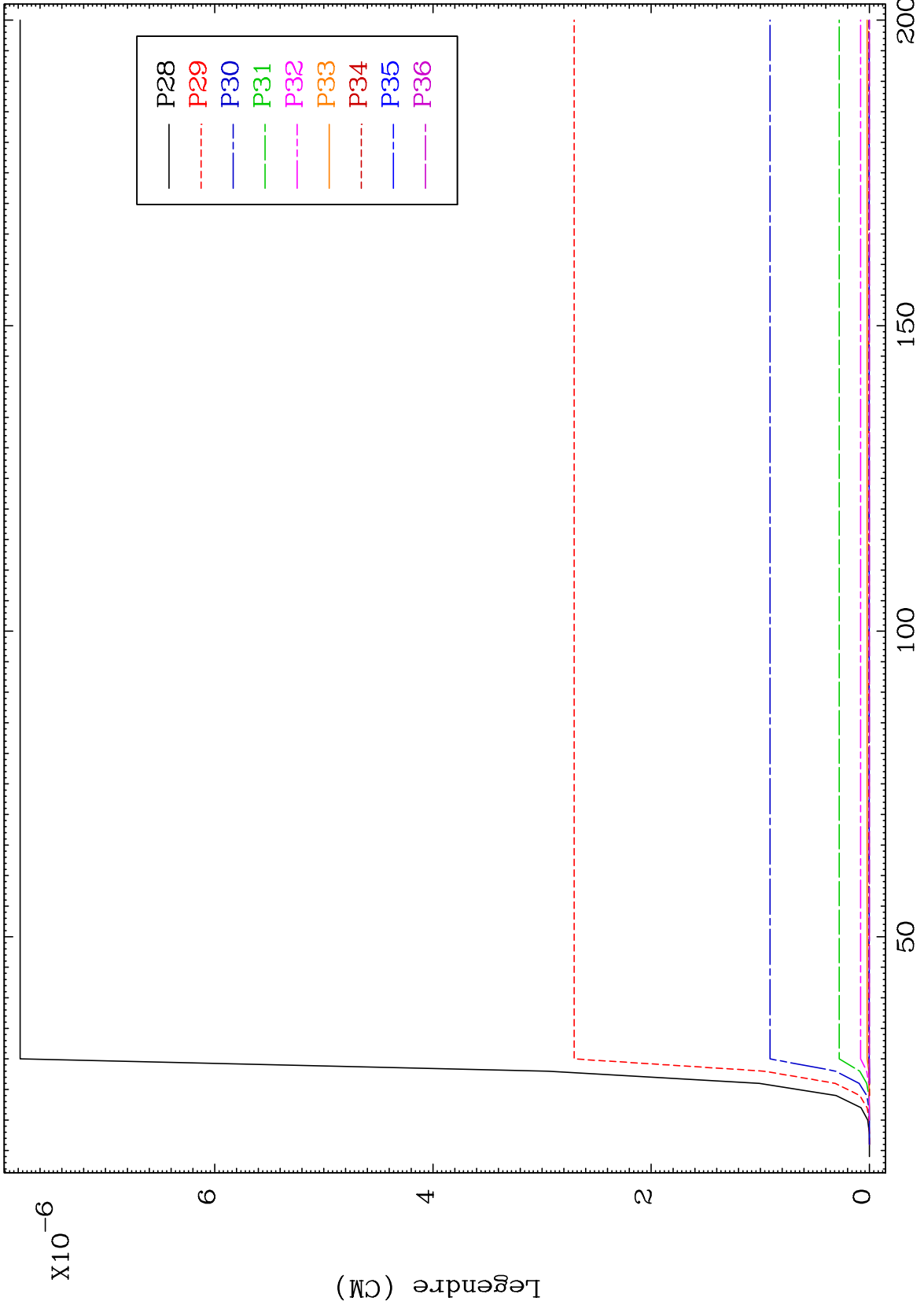
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145

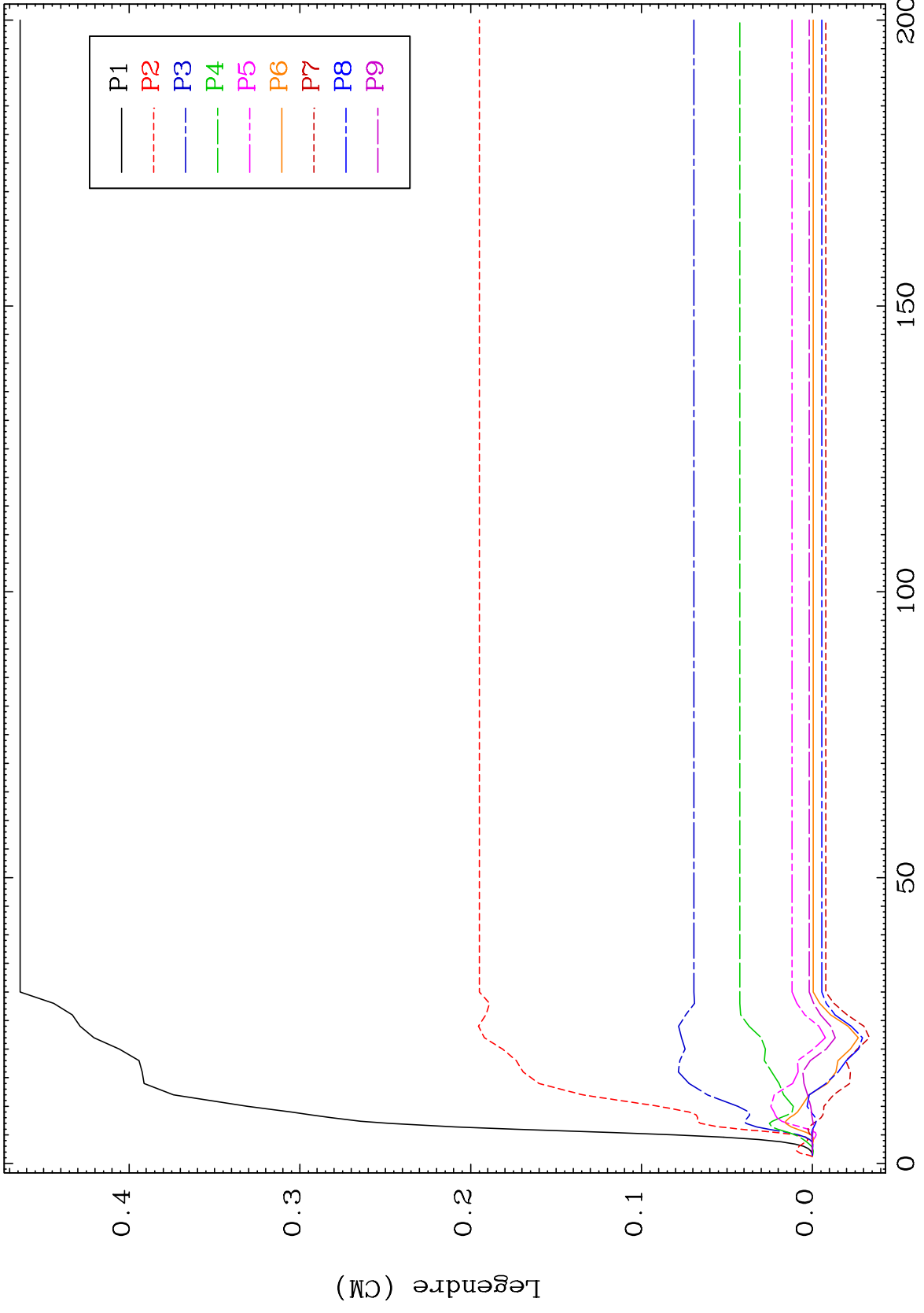


73

Incident Energy (MeV)

60-Nd-145

MAT 6034 MT= 65 (n,n') Level Legendre Coefficients 60-Nd-145

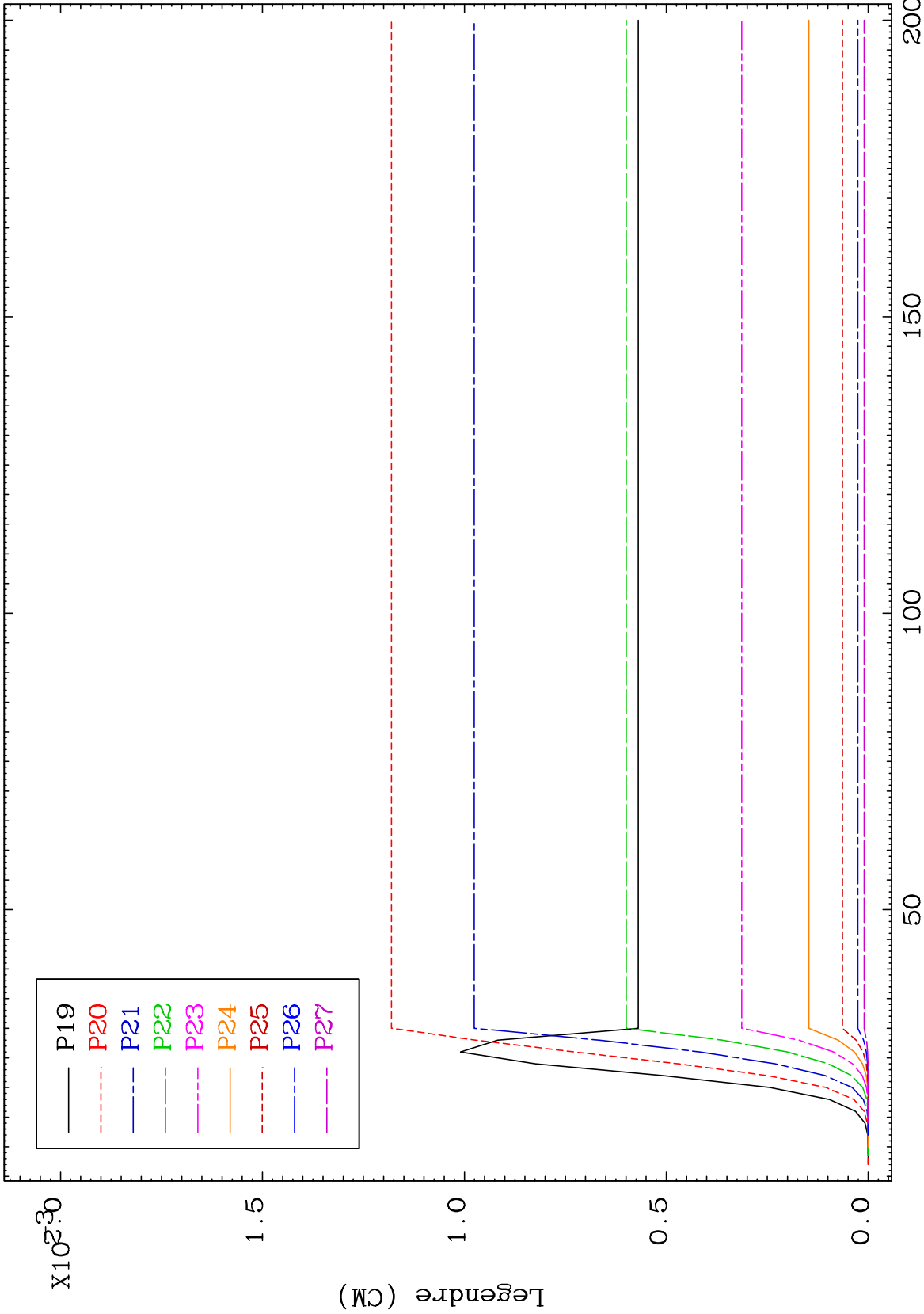


74 60-Nd-145

MAT 6034

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

60-Nd-145



76

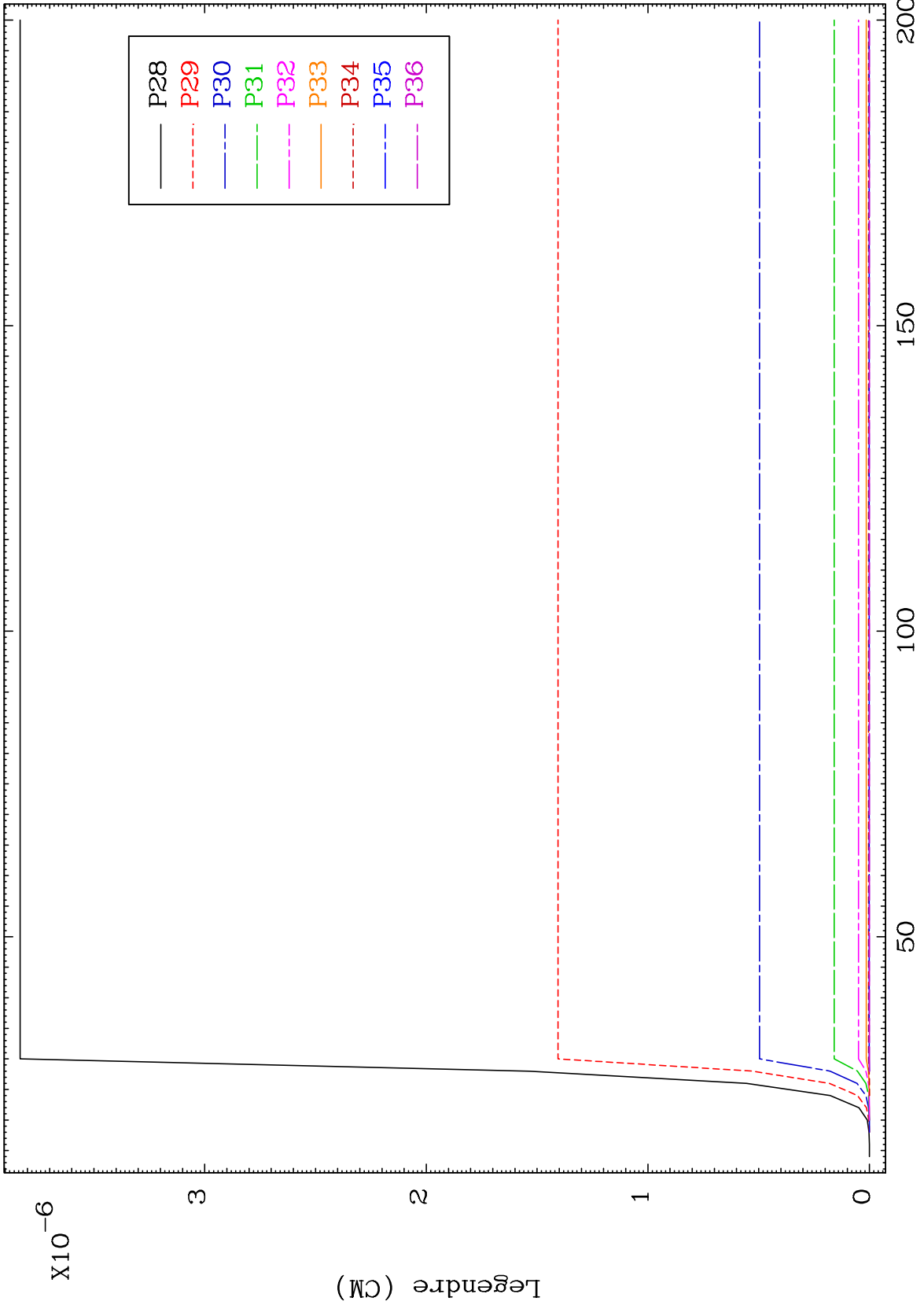
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145

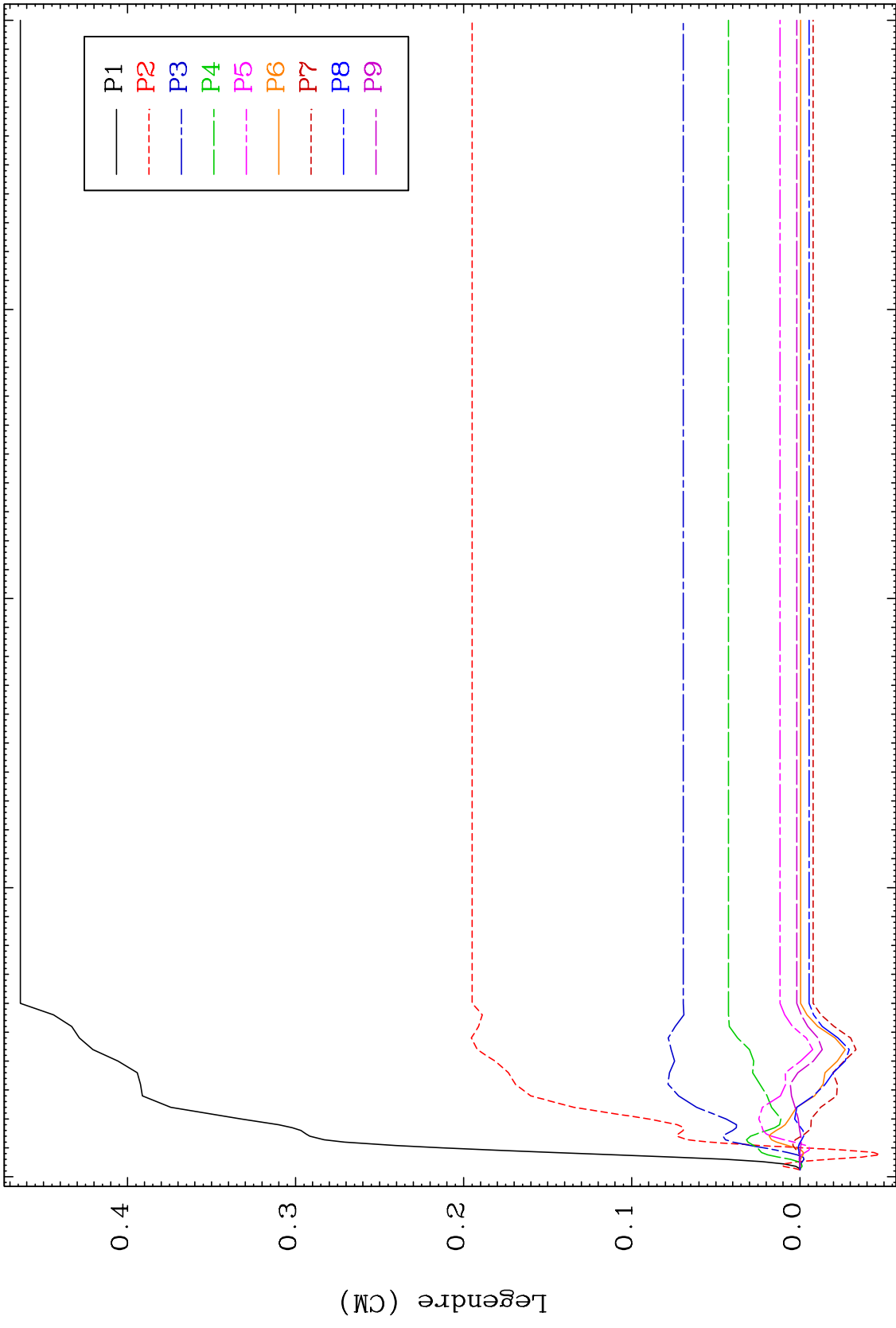


77

Incident Energy (MeV)

60-Nd-145

MAT 6034 MT= 66 (n,n') Level Legendre Coefficients 60-Nd-145

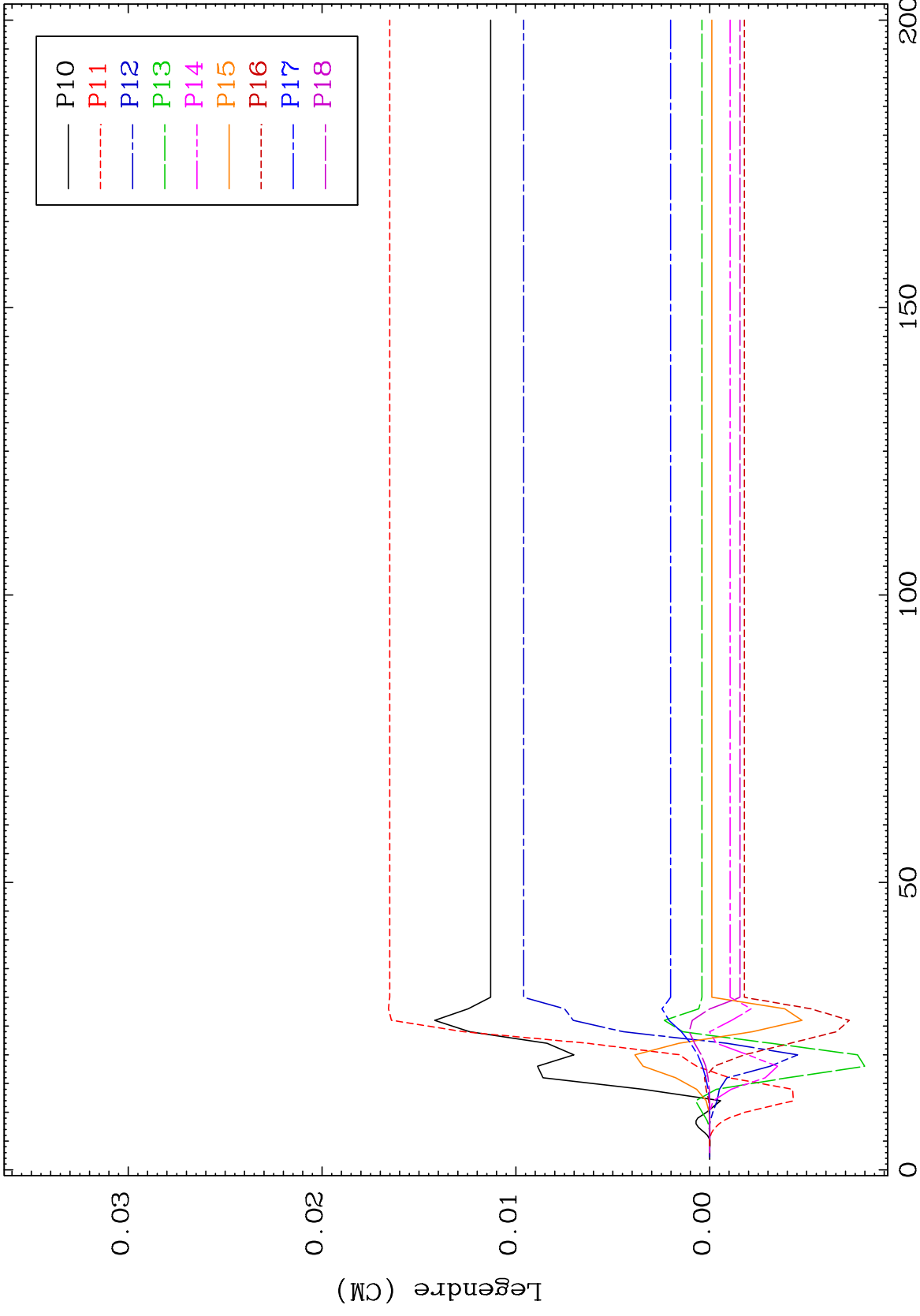


78 Incident Energy (MeV) 60-Nd-145

MAT 6034

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

60-Nd-145



79

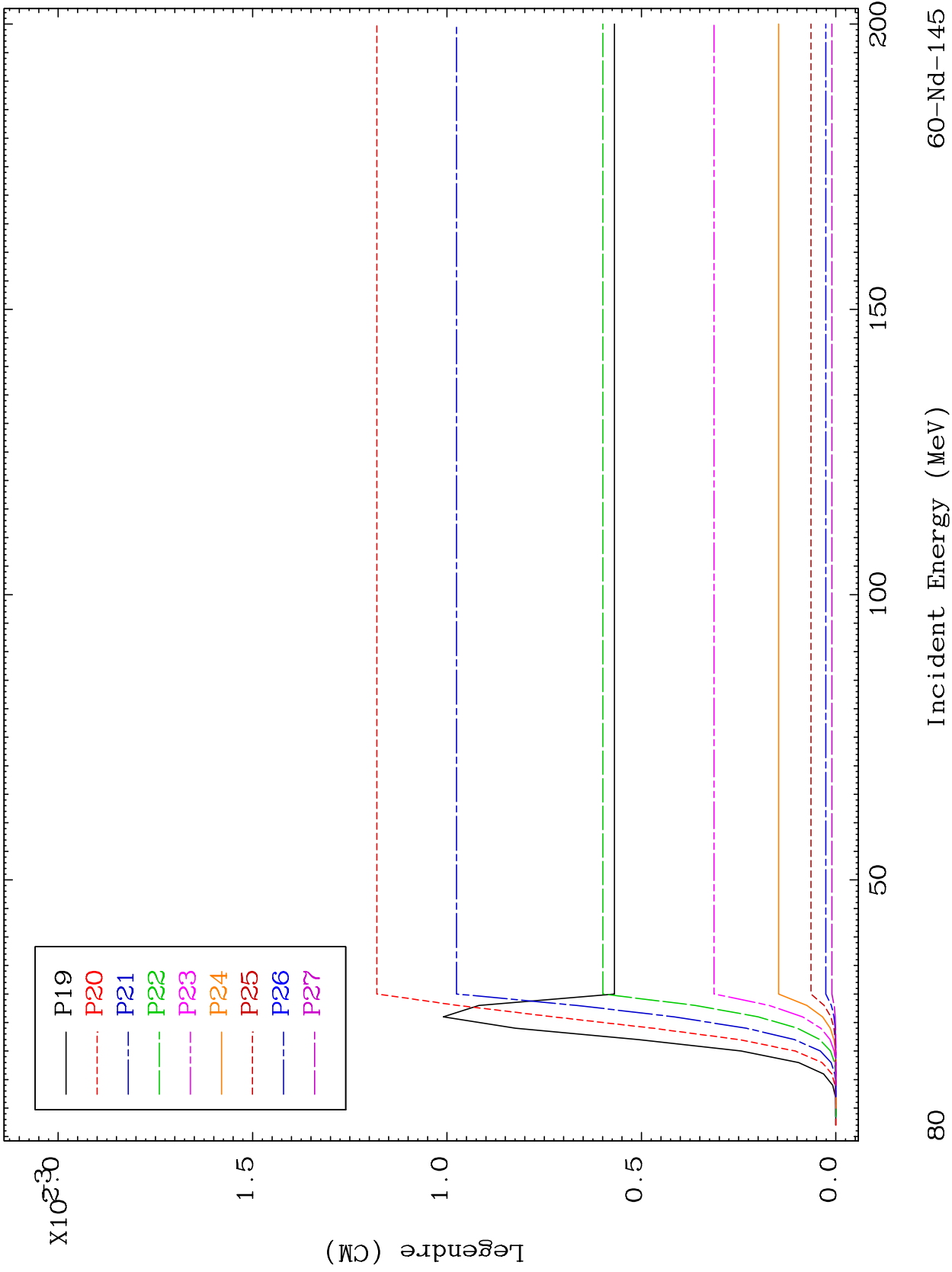
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

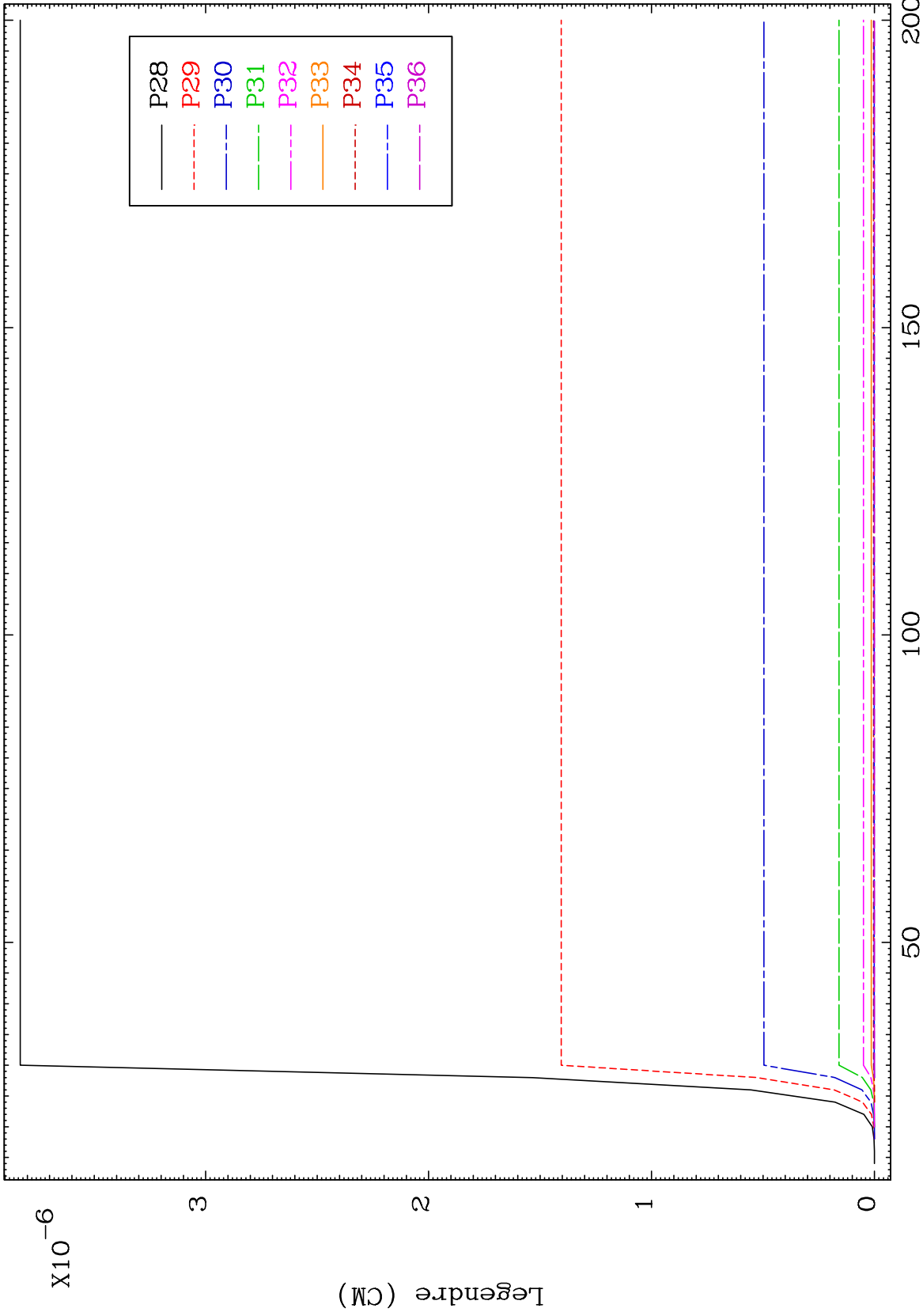
60-Nd-145



MAT 6034

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

60-Nd-145

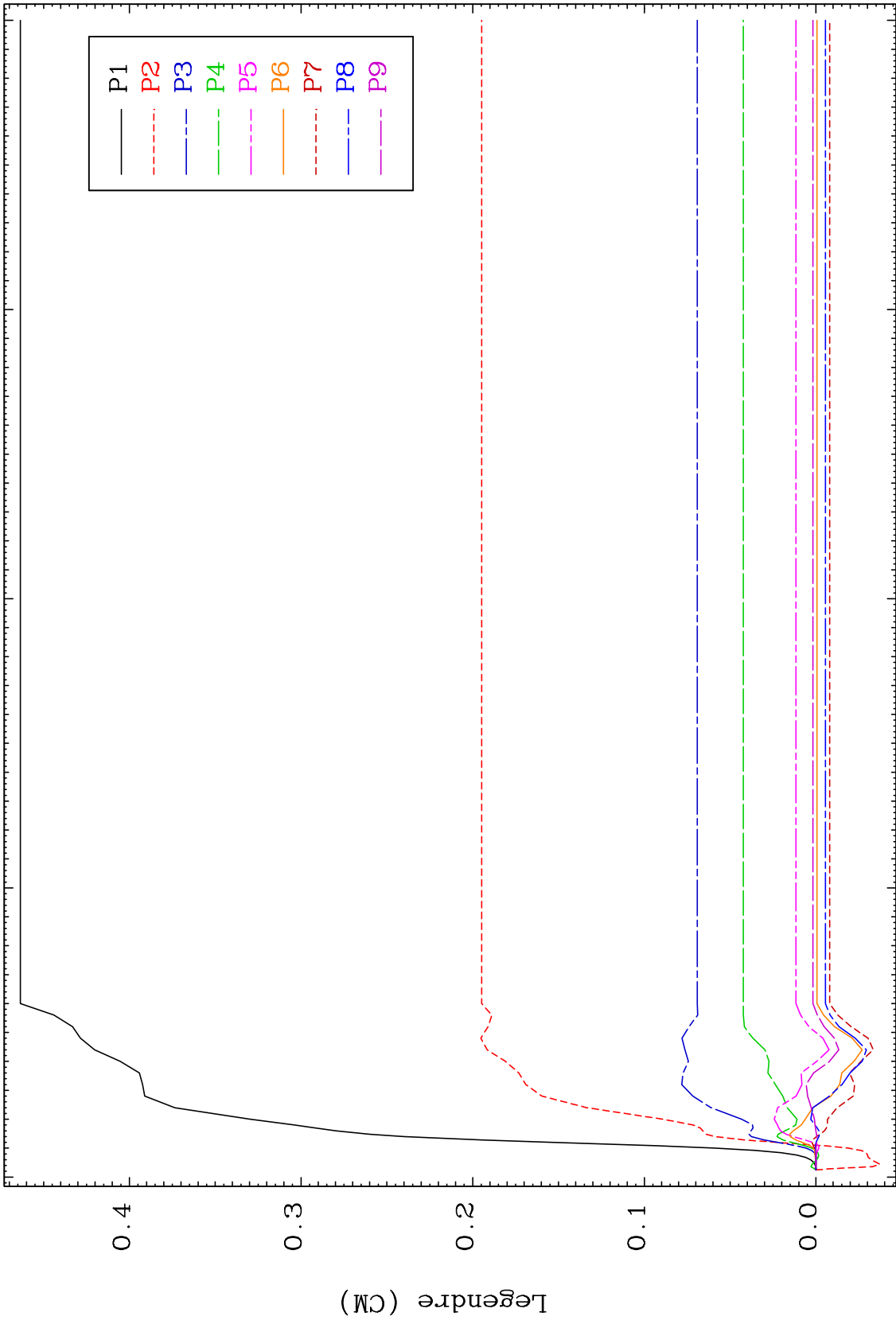


81

Incident Energy (MeV)

60-Nd-145

MAT 6034 MT= 67 (n,n') Level Legendre Coefficients 60-Nd-145

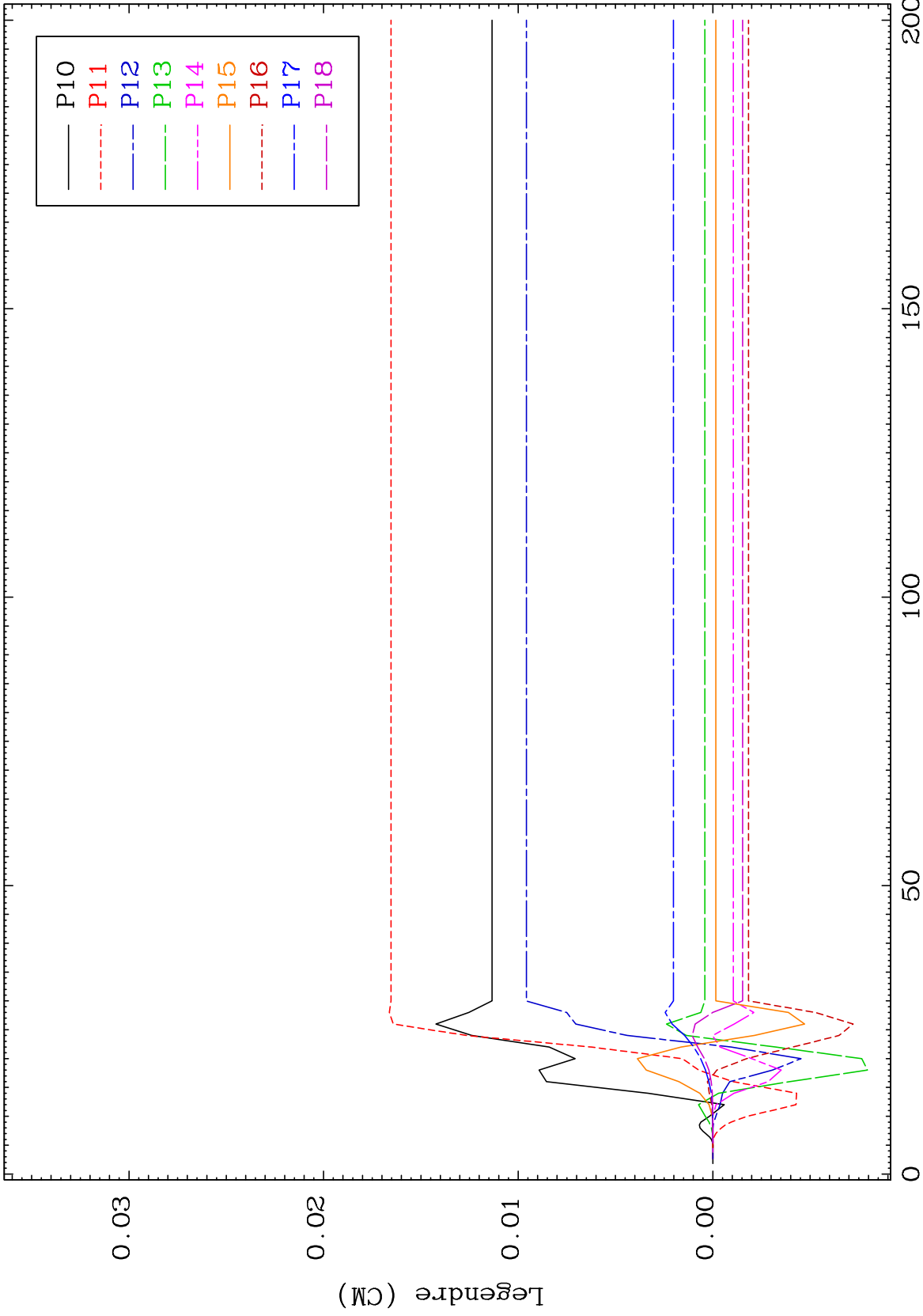


82 Incident Energy (MeV) 60-Nd-145

MAT 6034

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

60-Nd-145



83

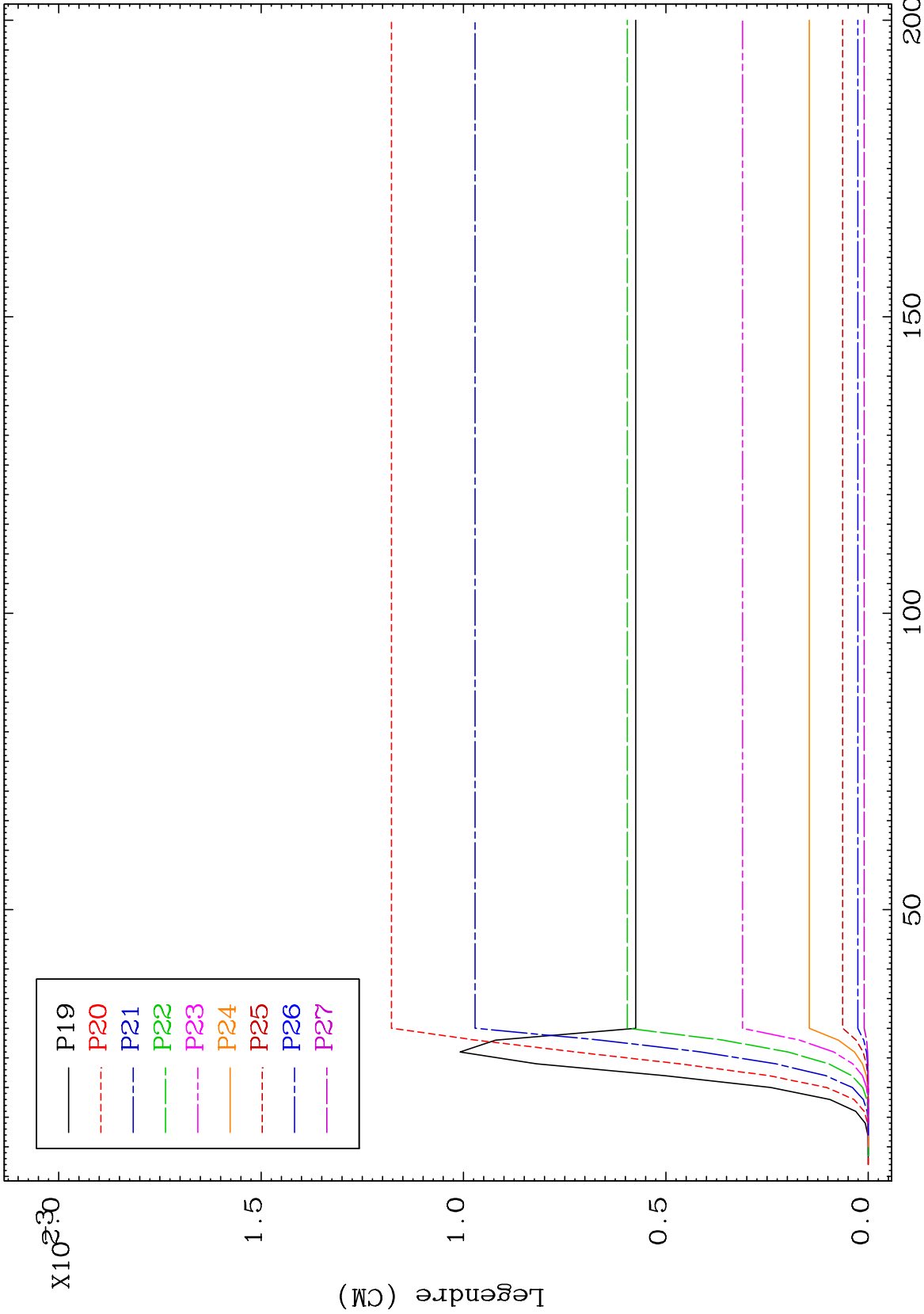
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145



84

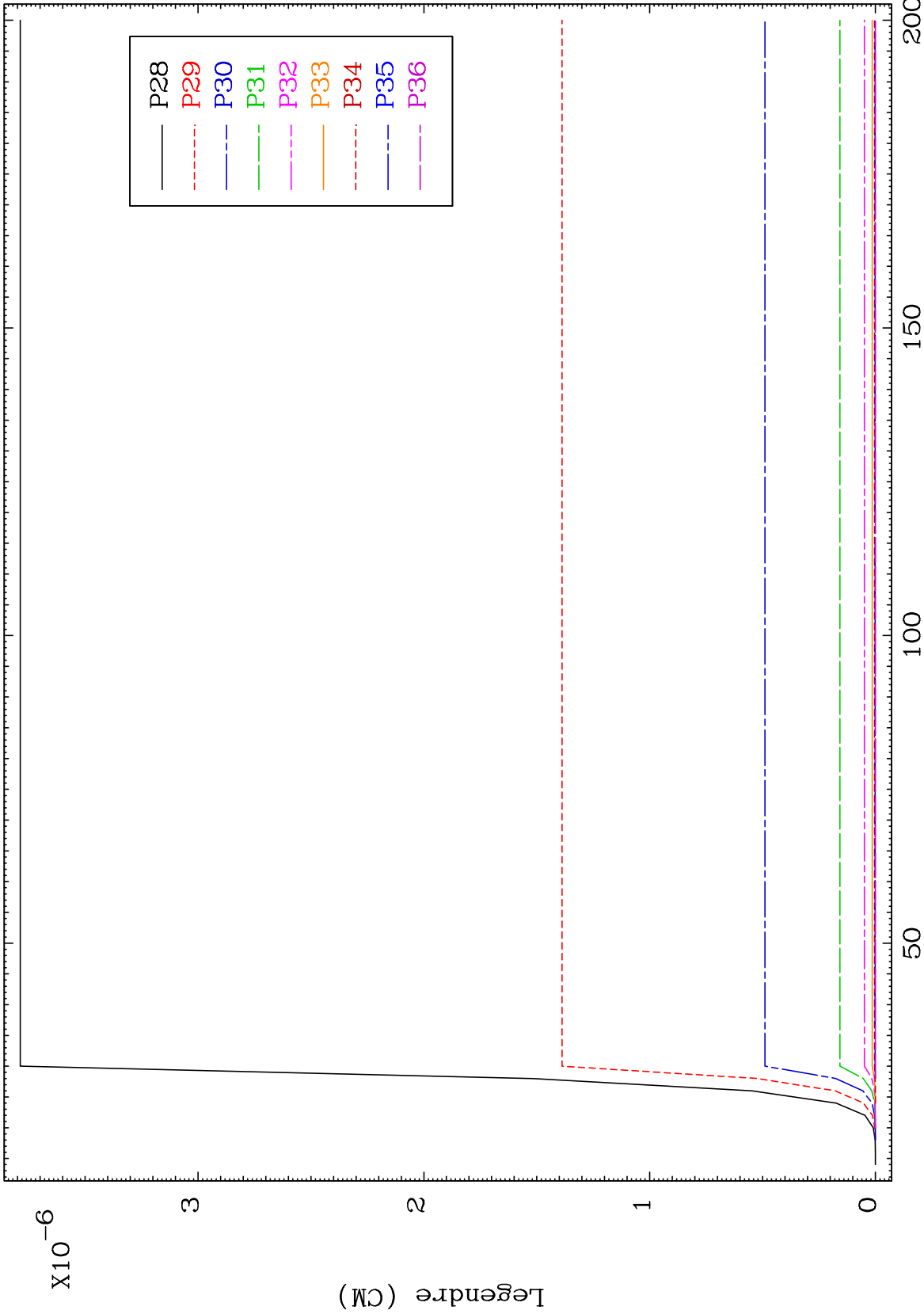
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145



85

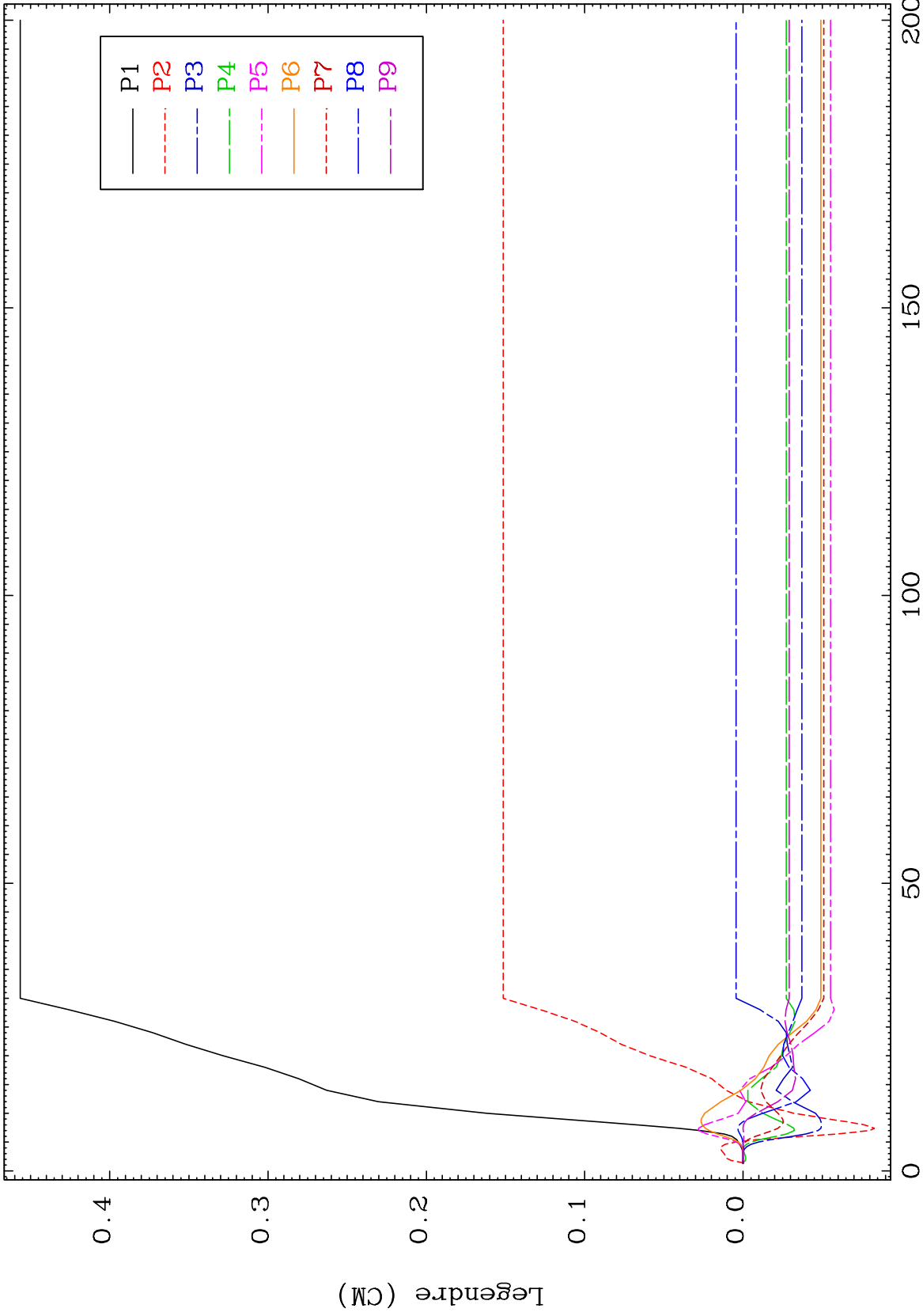
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145



86

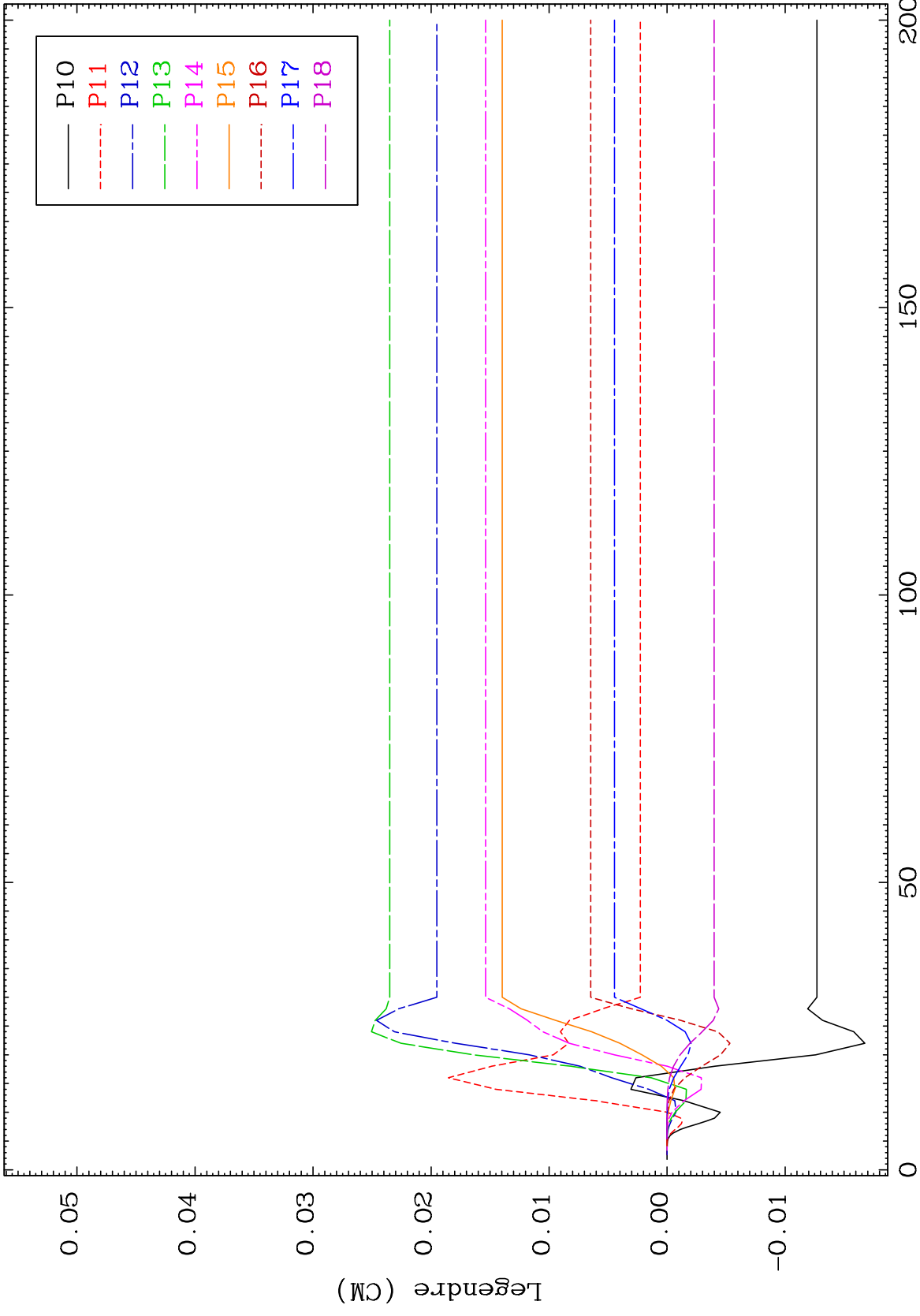
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145



87

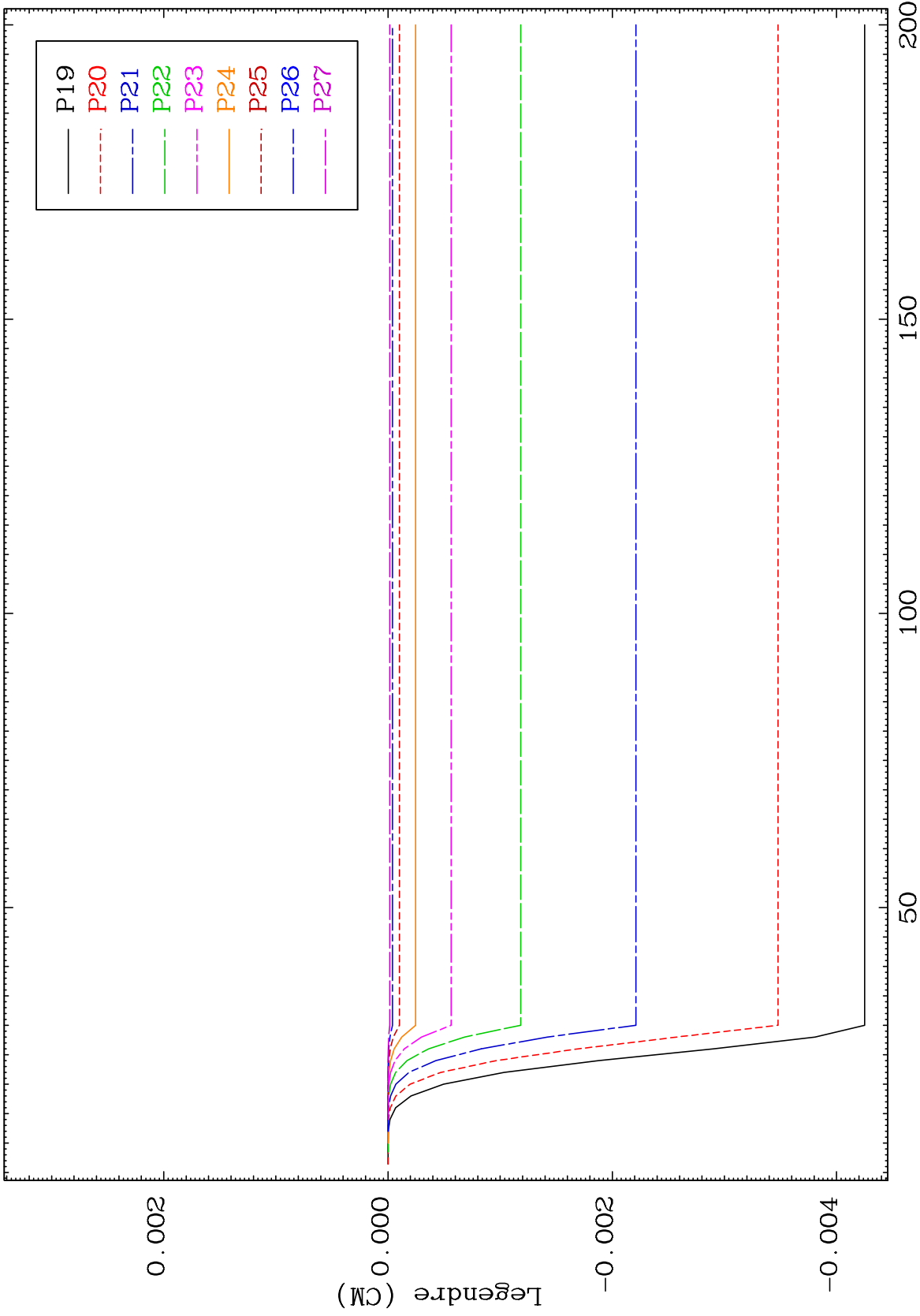
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145

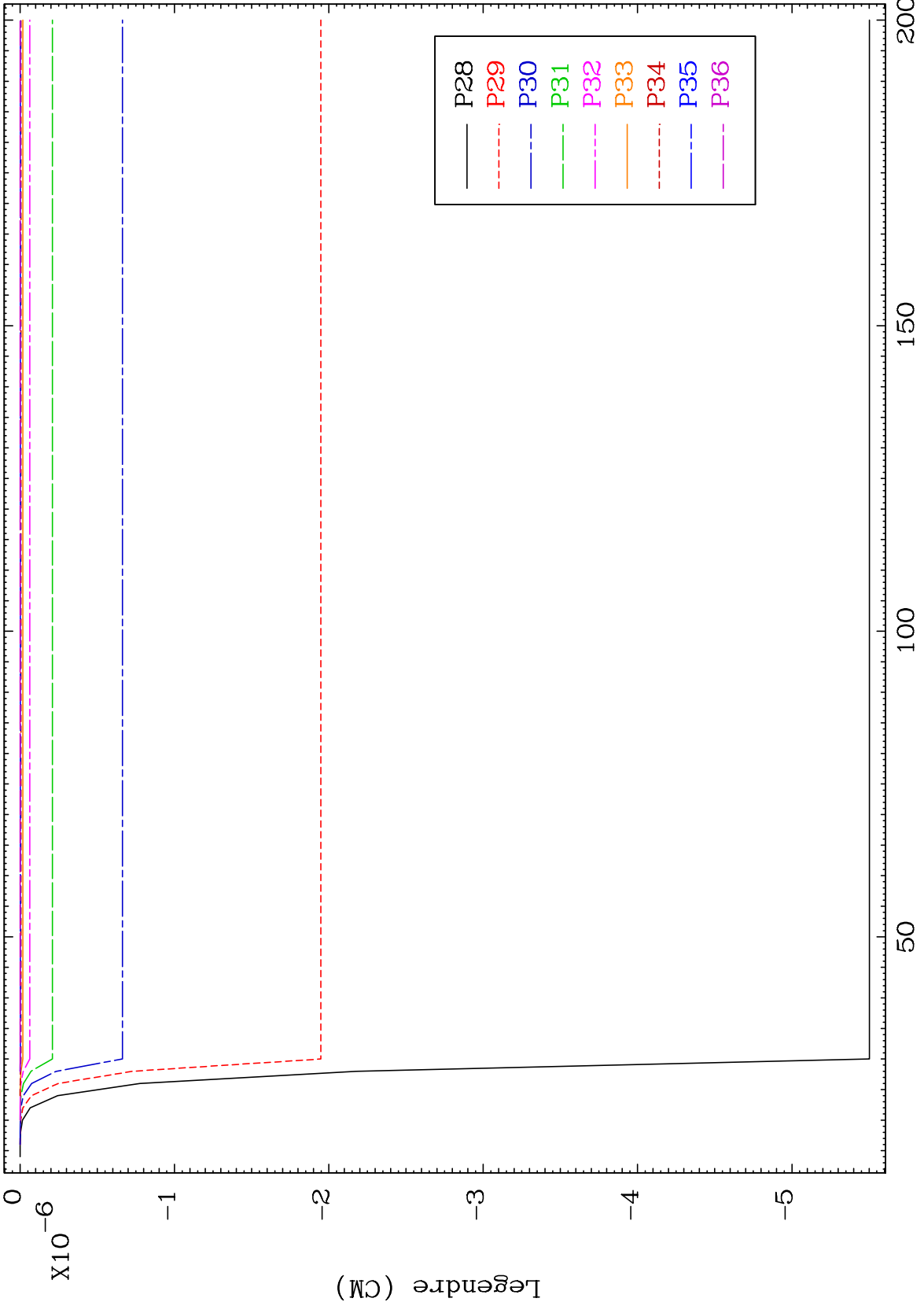


88

Incident Energy (MeV)

60-Nd-145

MAT 6034 MT= 68 (n,n') Level Legendre Coefficients 60-Nd-145

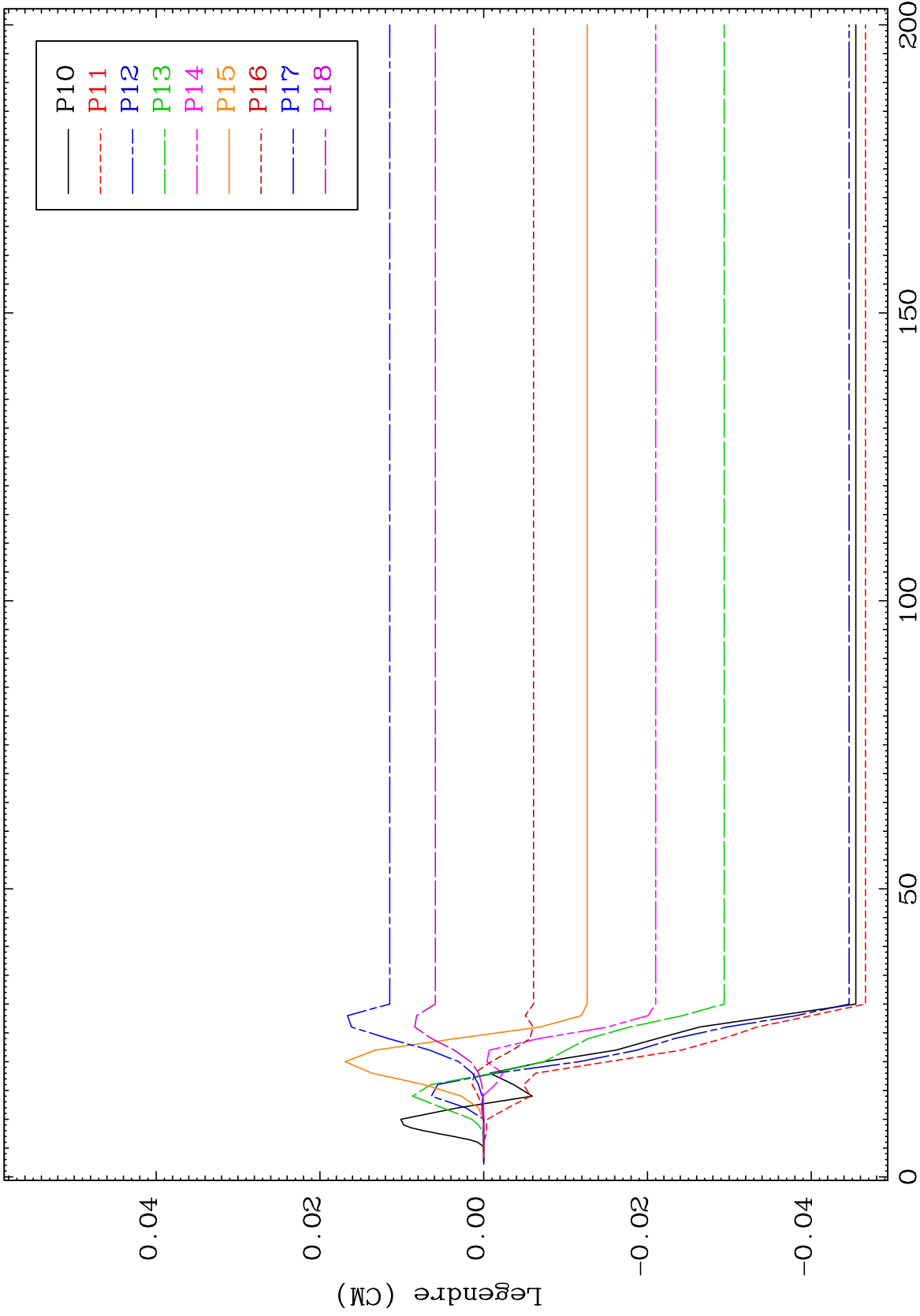


89 60-Nd-145

MAT 6034

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

60-Nd-145



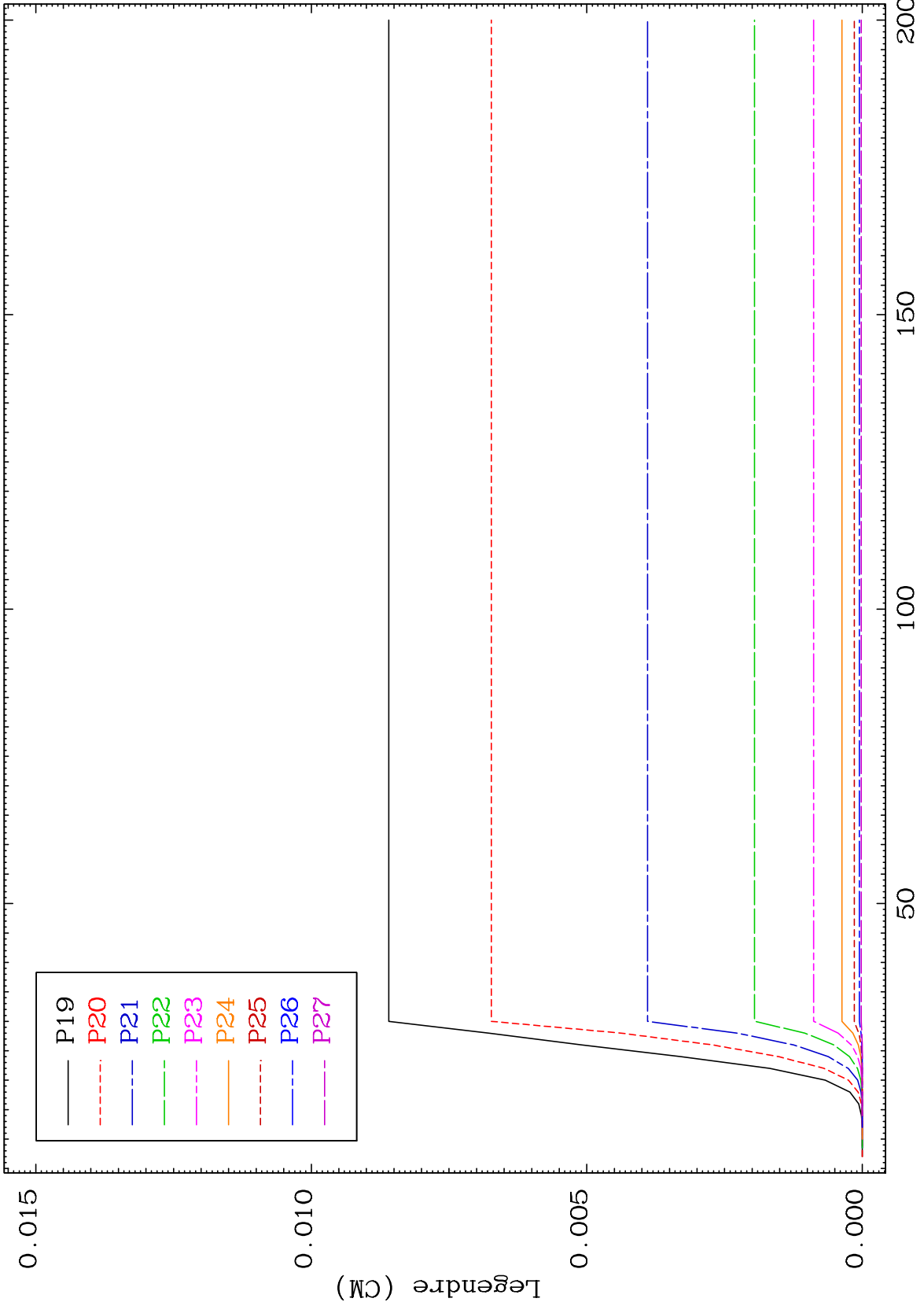
91

60-Nd-145

MAT 6034

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

60-Nd-145



92

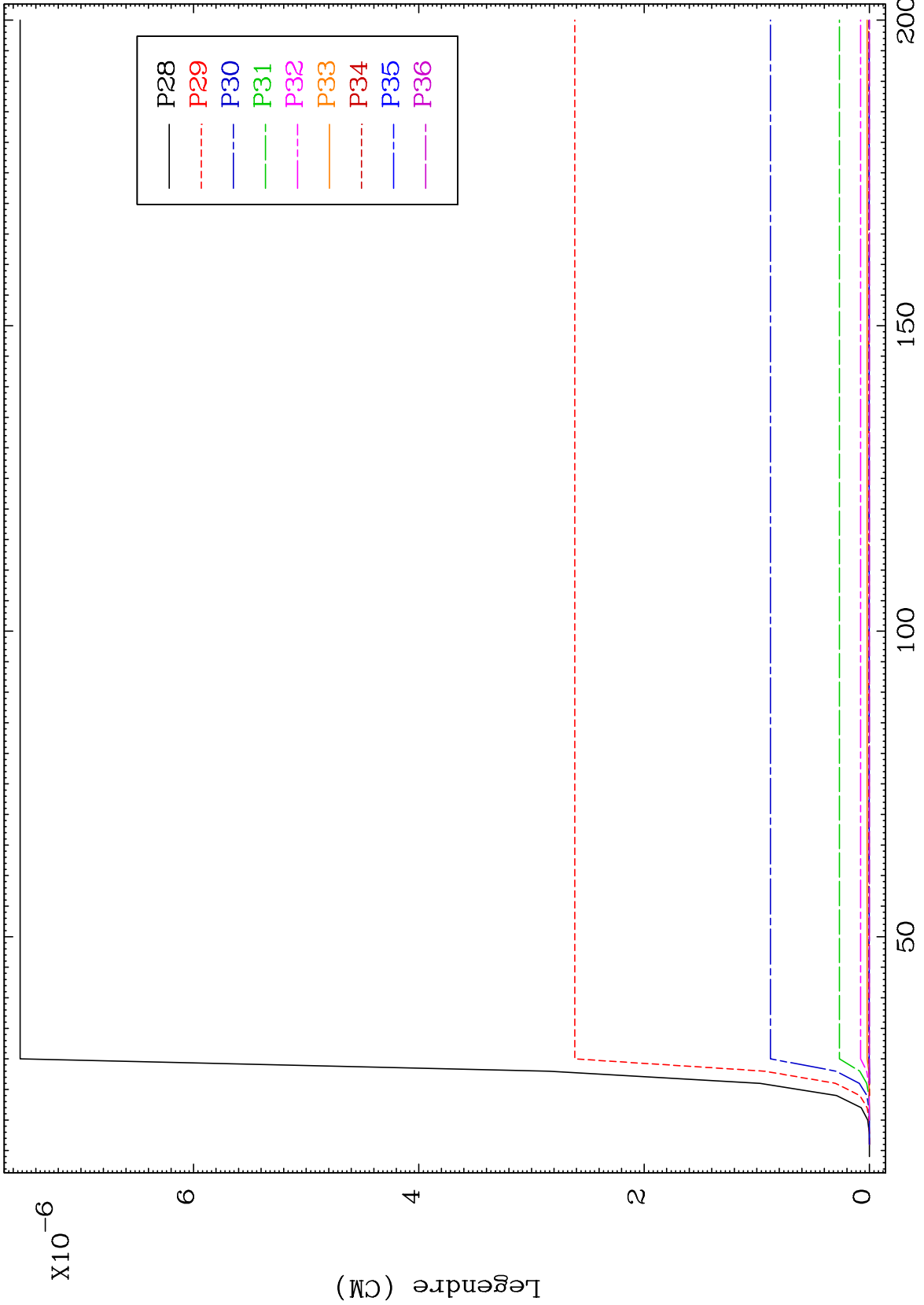
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

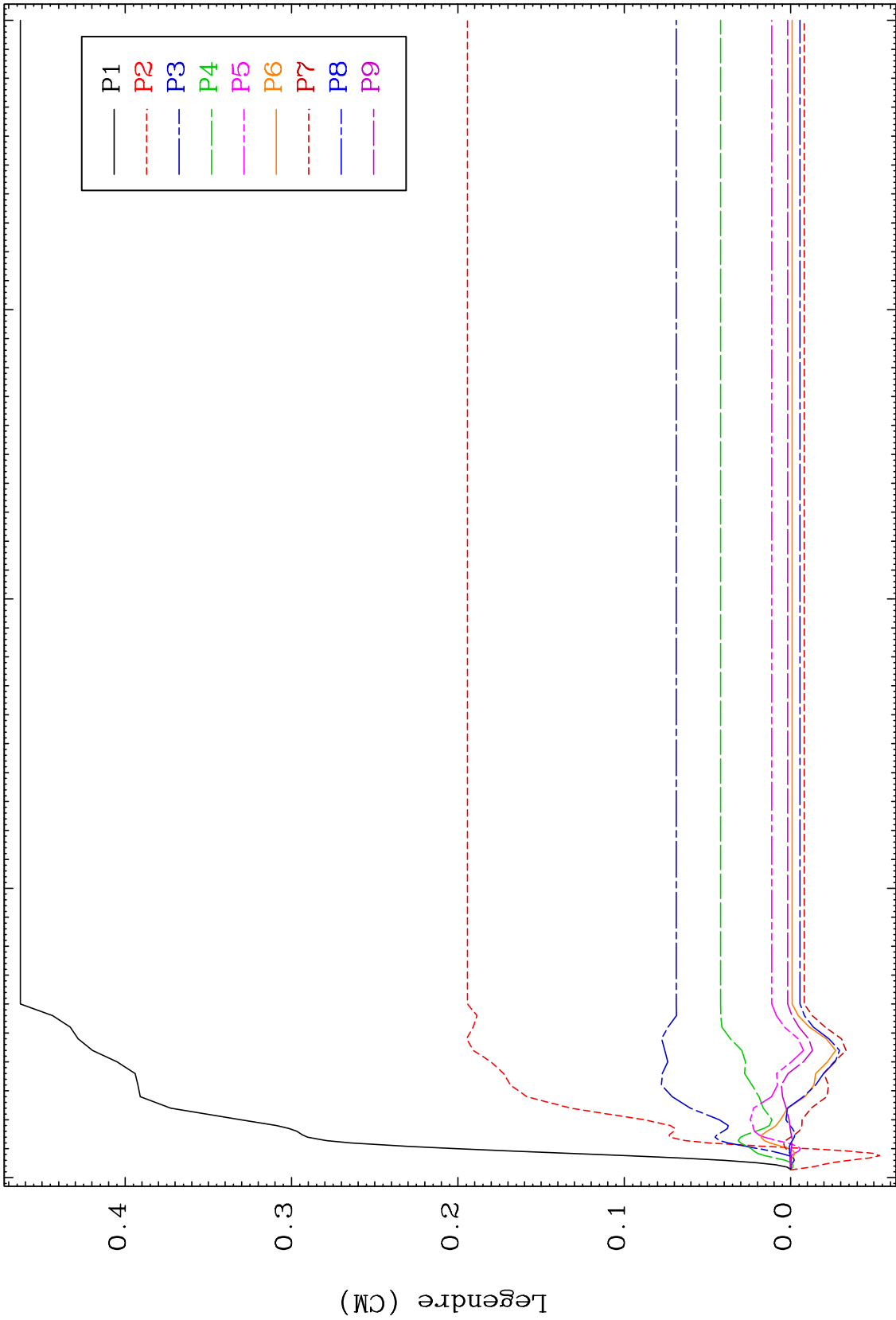
60-Nd-145



93

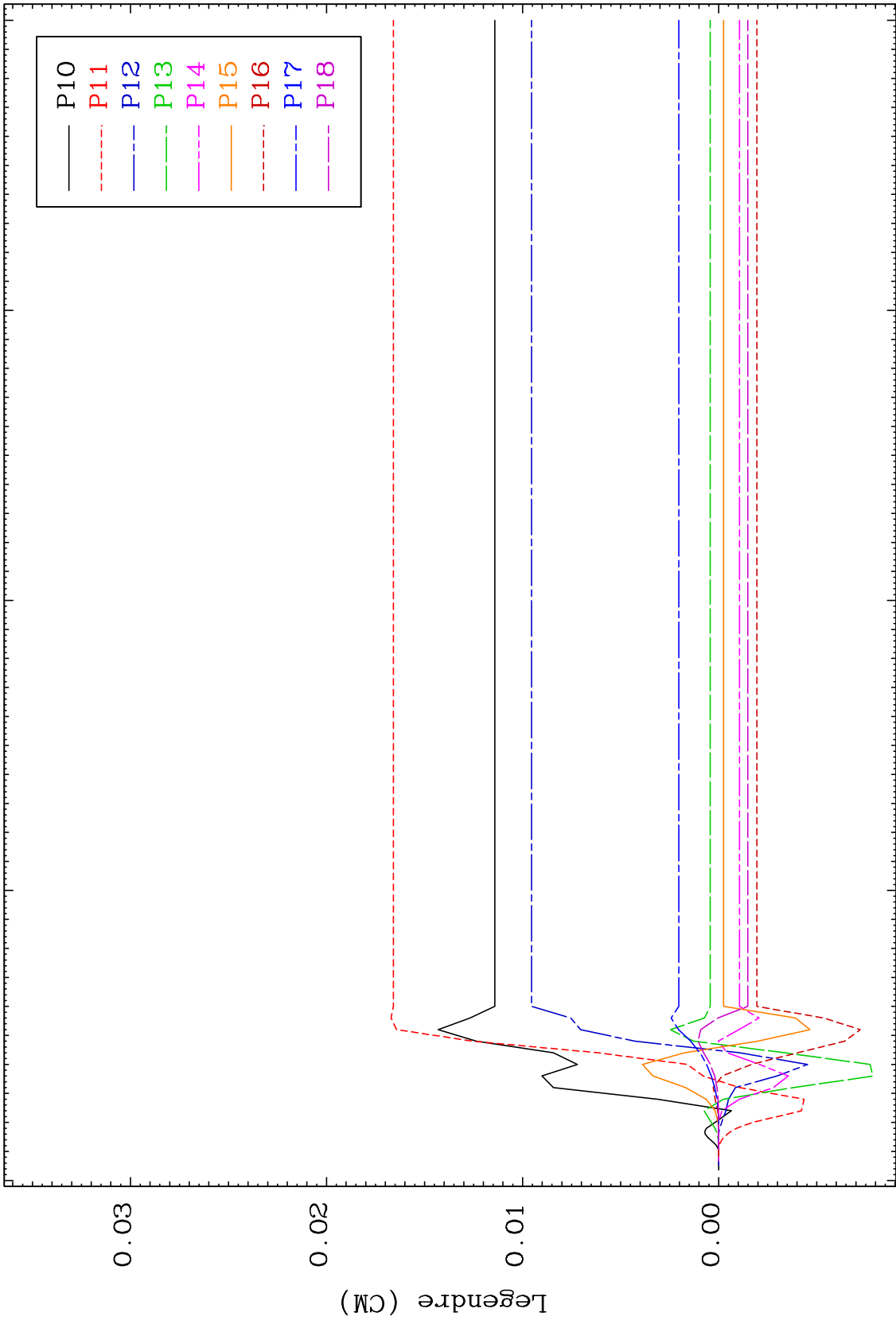
60-Nd-145

MAT 6034 MT= 70 (n,n') Level Legendre Coefficients 60-Nd-145



94 60-Nd-145

MAT 6034 MT= 70 (n,n') Level Legendre Coefficients 60-Nd-145

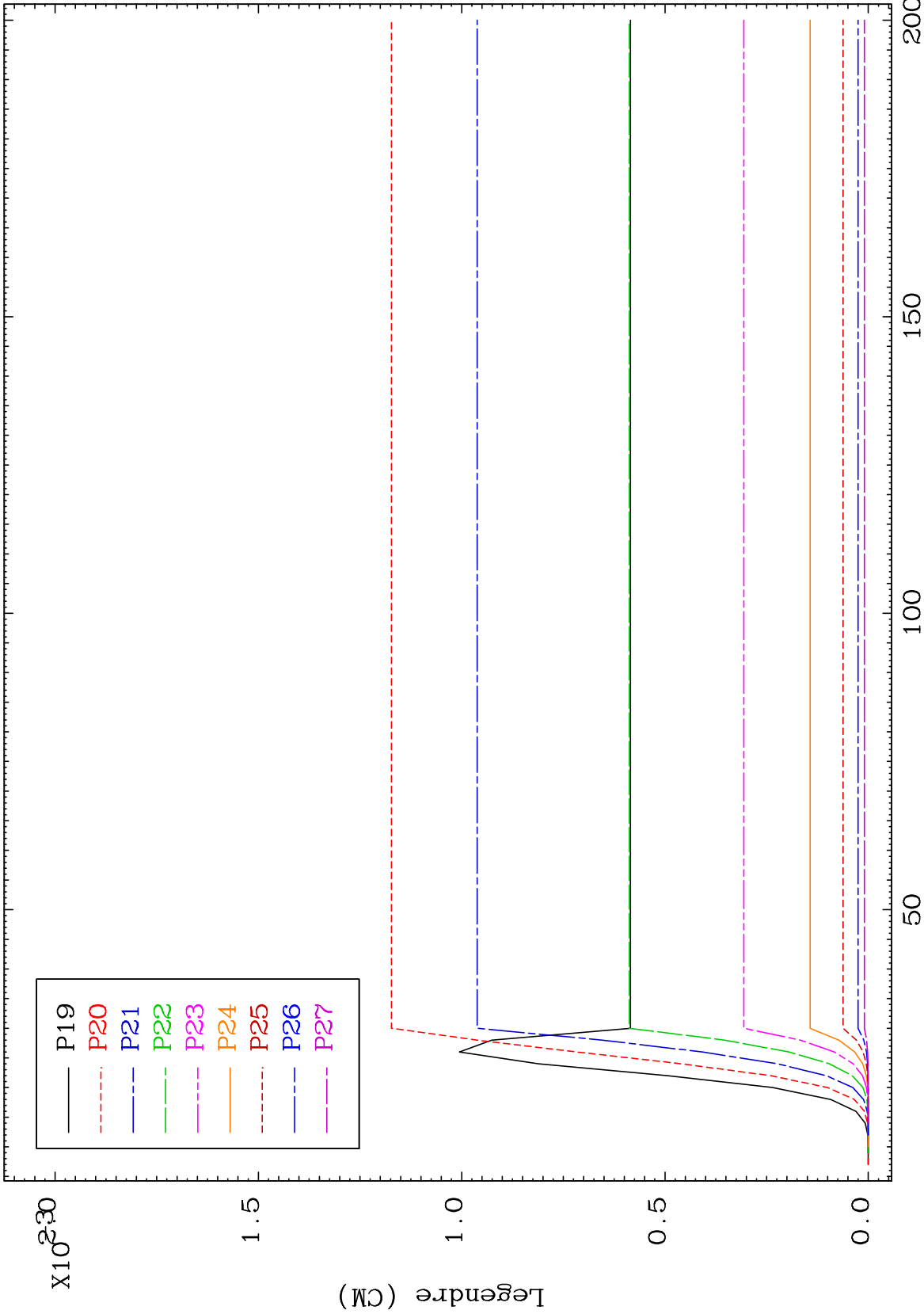


95 Incident Energy (MeV) 60-Nd-145

MAT 6034

MT= 70 (n,n') Level
Legendre Coefficients

60-Nd-145



96

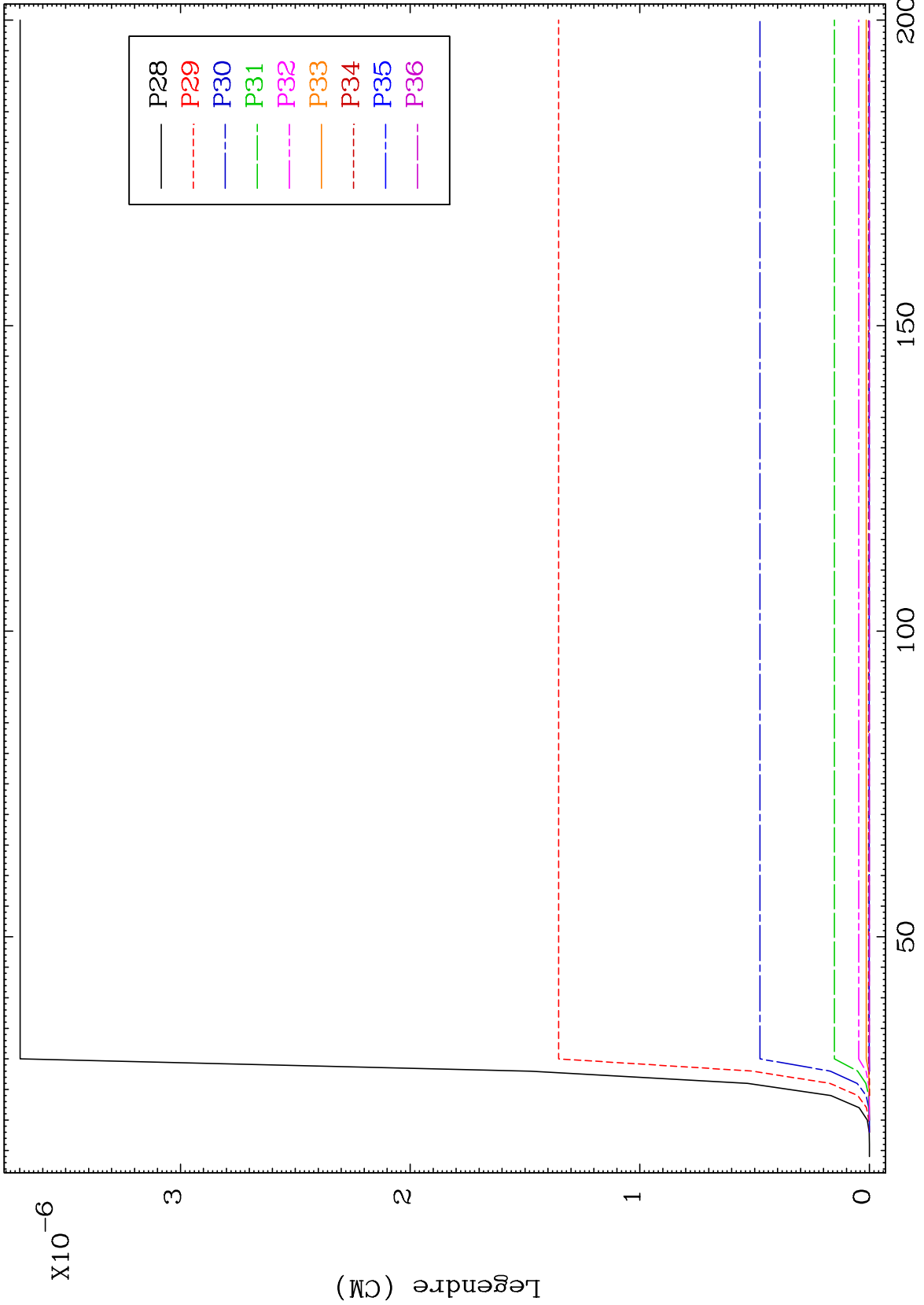
Incident Energy (MeV)

60-Nd-145

MAT 6034

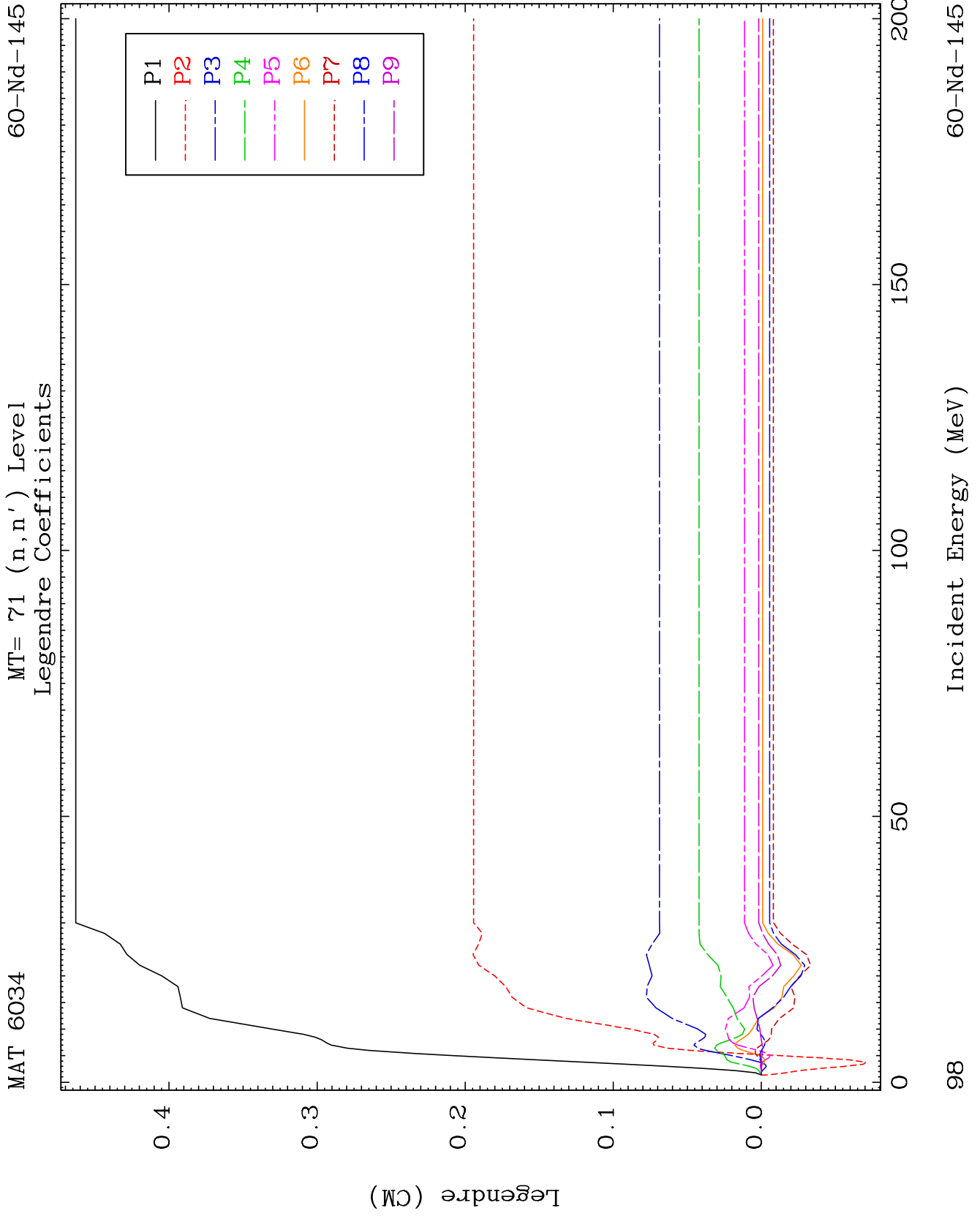
MT= 70 (n,n') Level
Legendre Coefficients

60-Nd-145



97

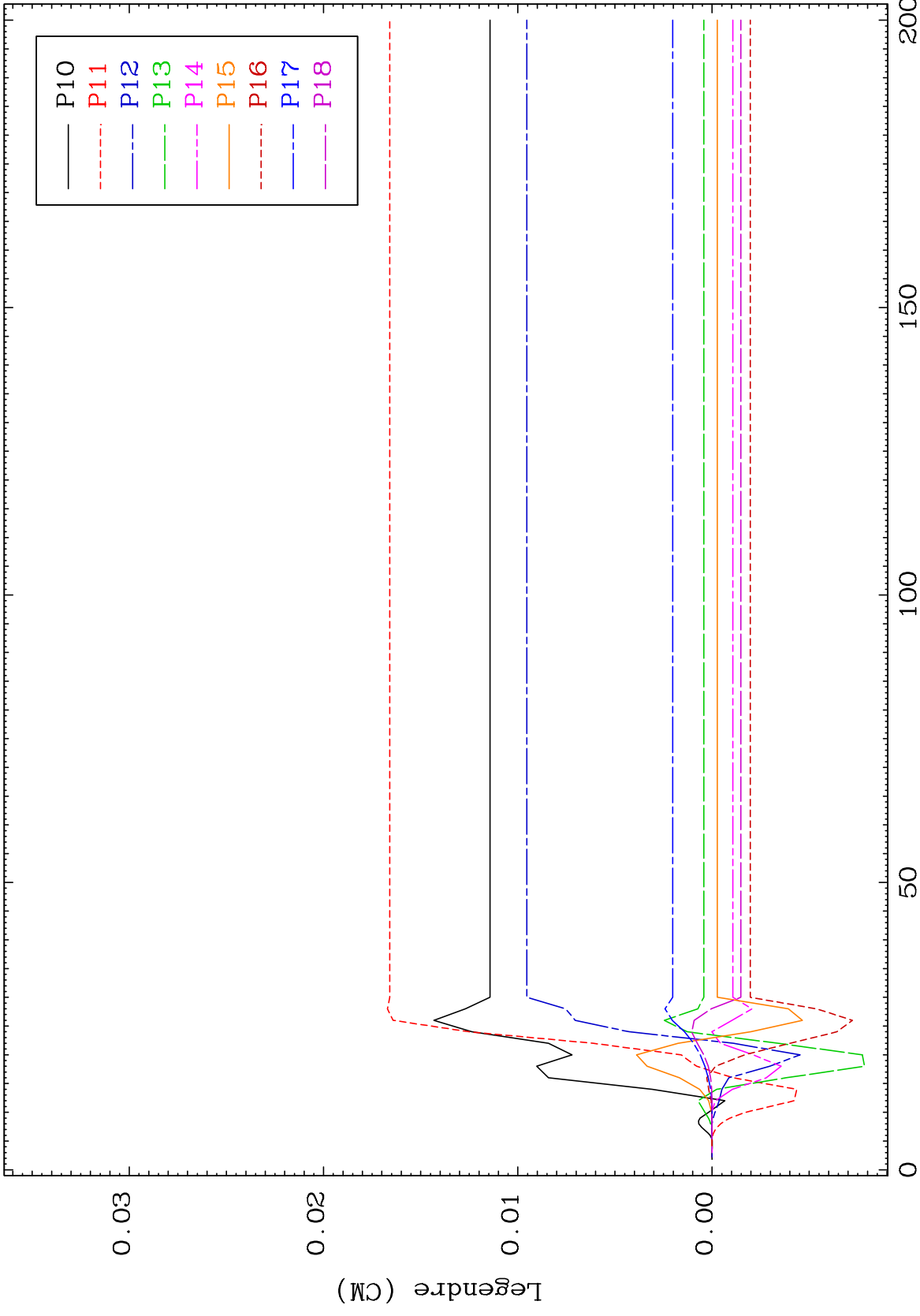
60-Nd-145



MAT 6034

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

60-Nd-145



99

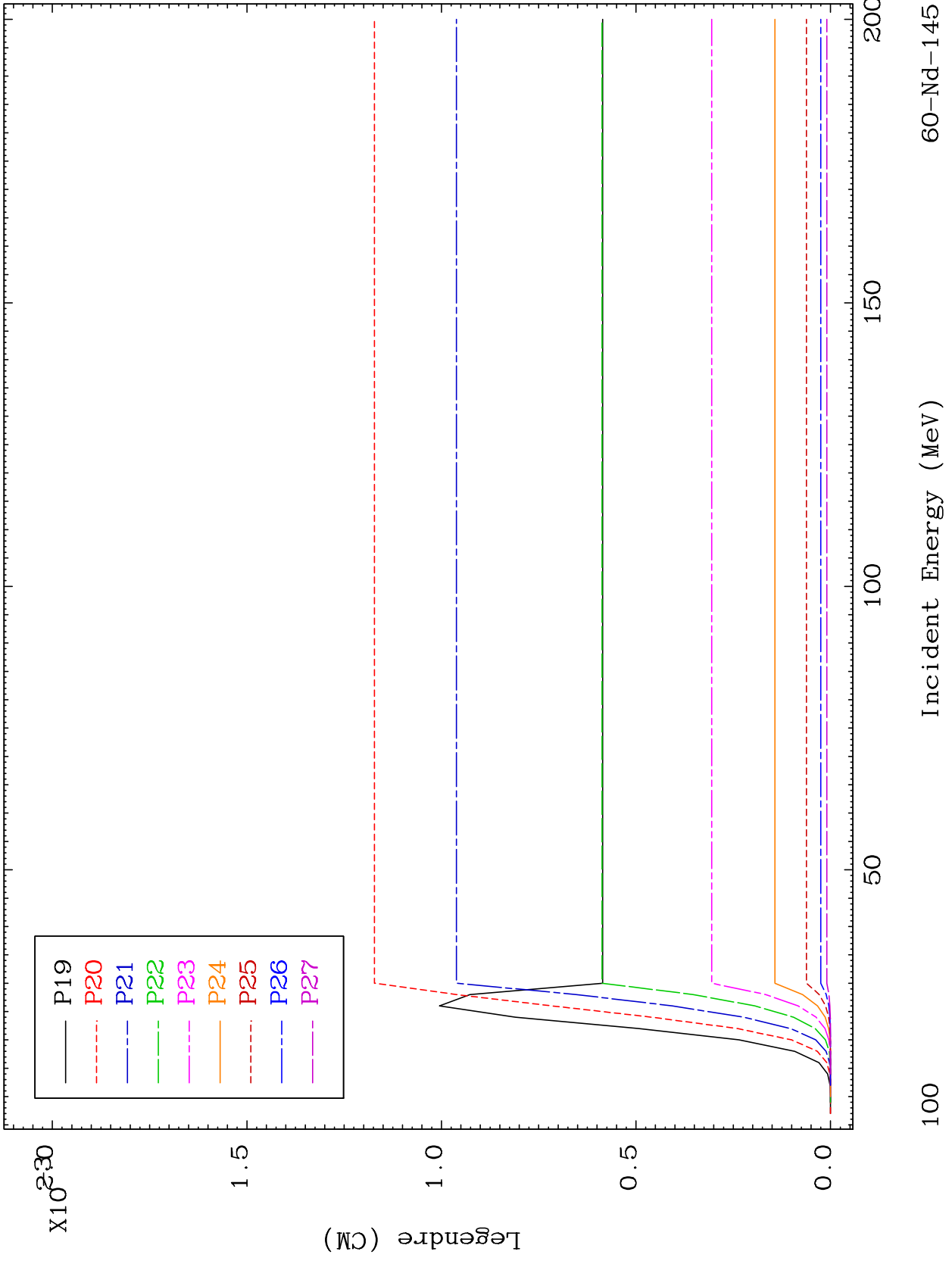
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

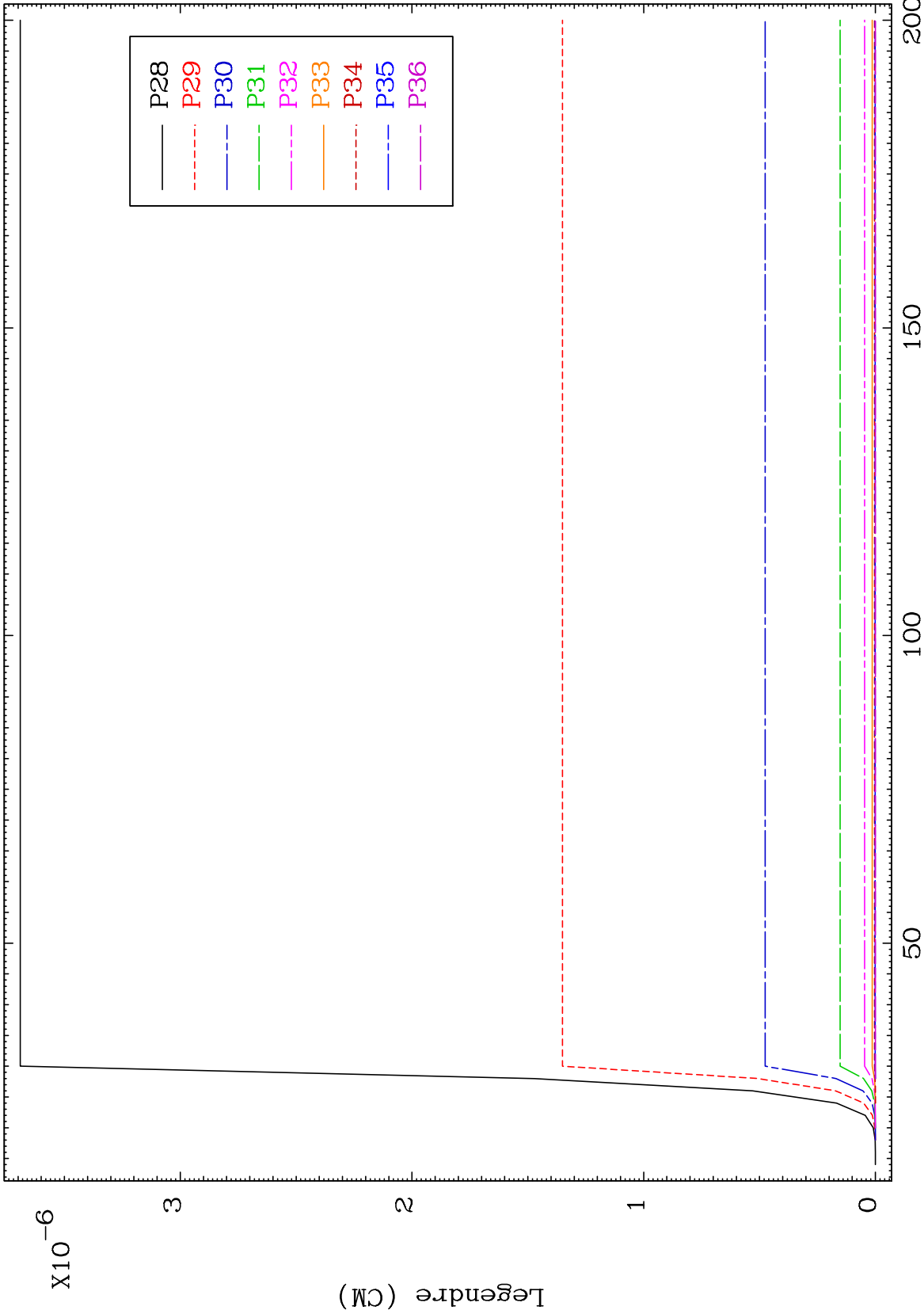
60-Nd-145



MAT 6034

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

60-Nd-145

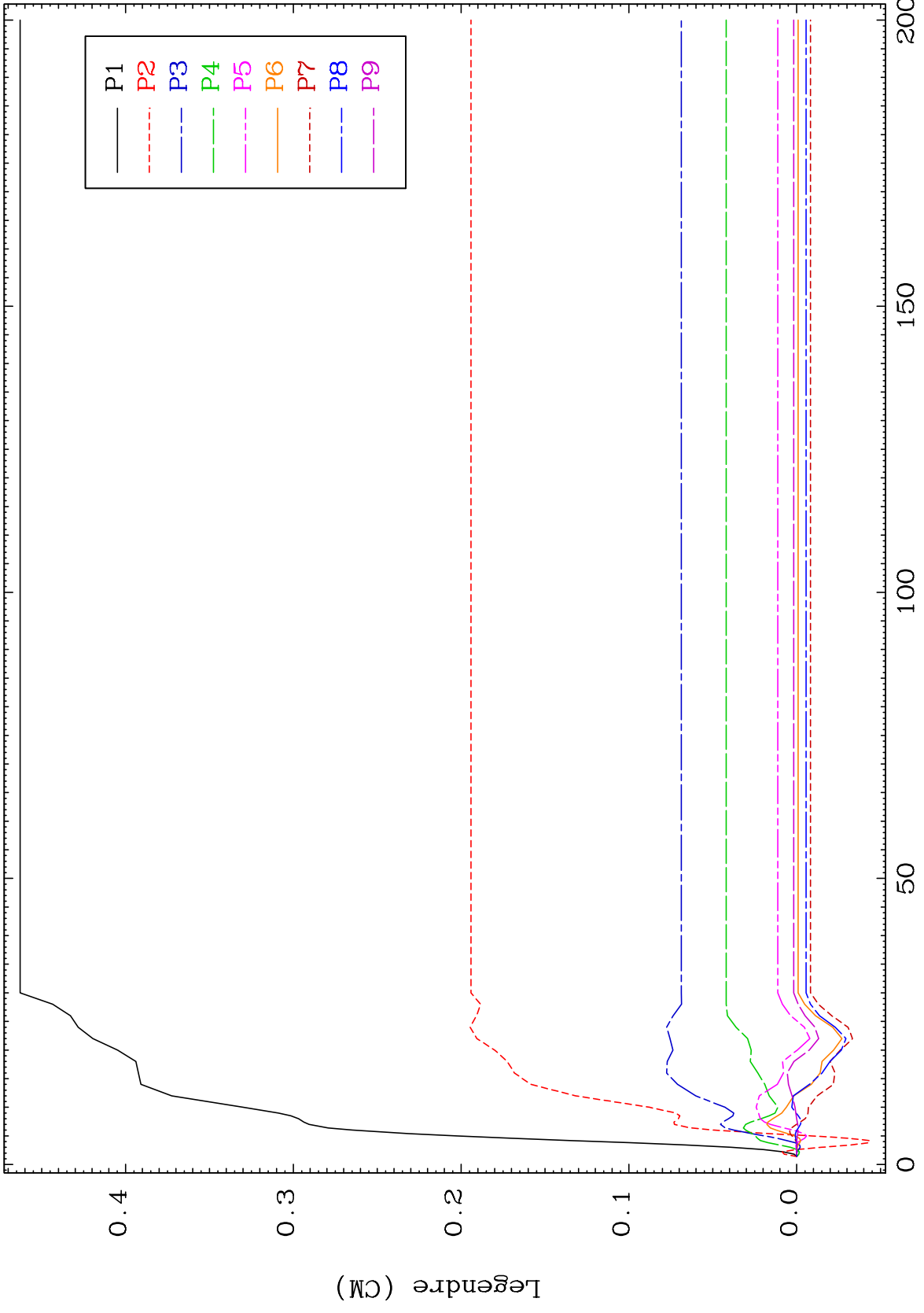


101

Incident Energy (MeV)

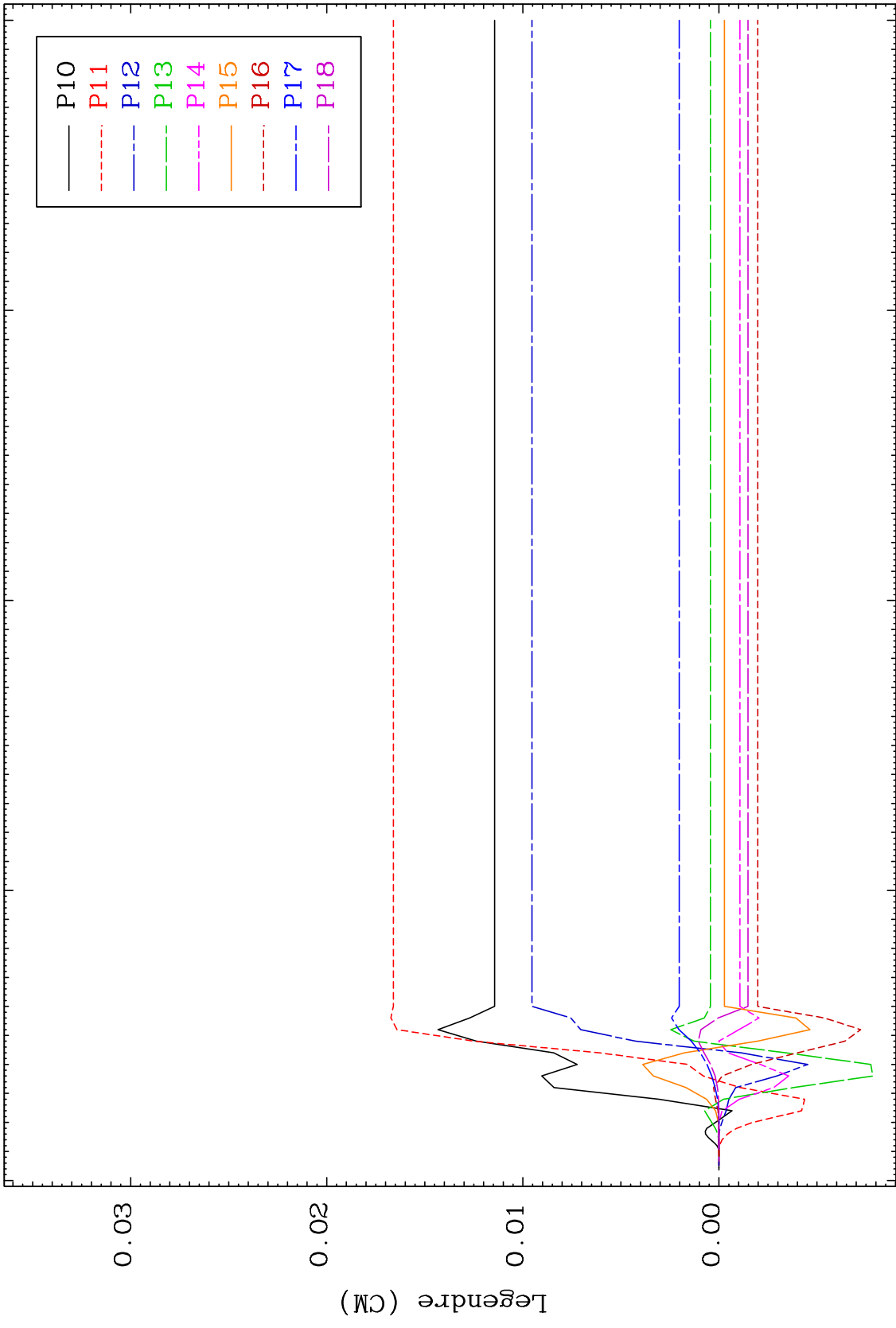
60-Nd-145

MAT 6034 MT= 72 (n,n') Level Legendre Coefficients 60-Nd-145



102 Incident Energy (MeV) 60-Nd-145

MAT 6034 MT= 72 (n,n') Level Legendre Coefficients 60-Nd-145

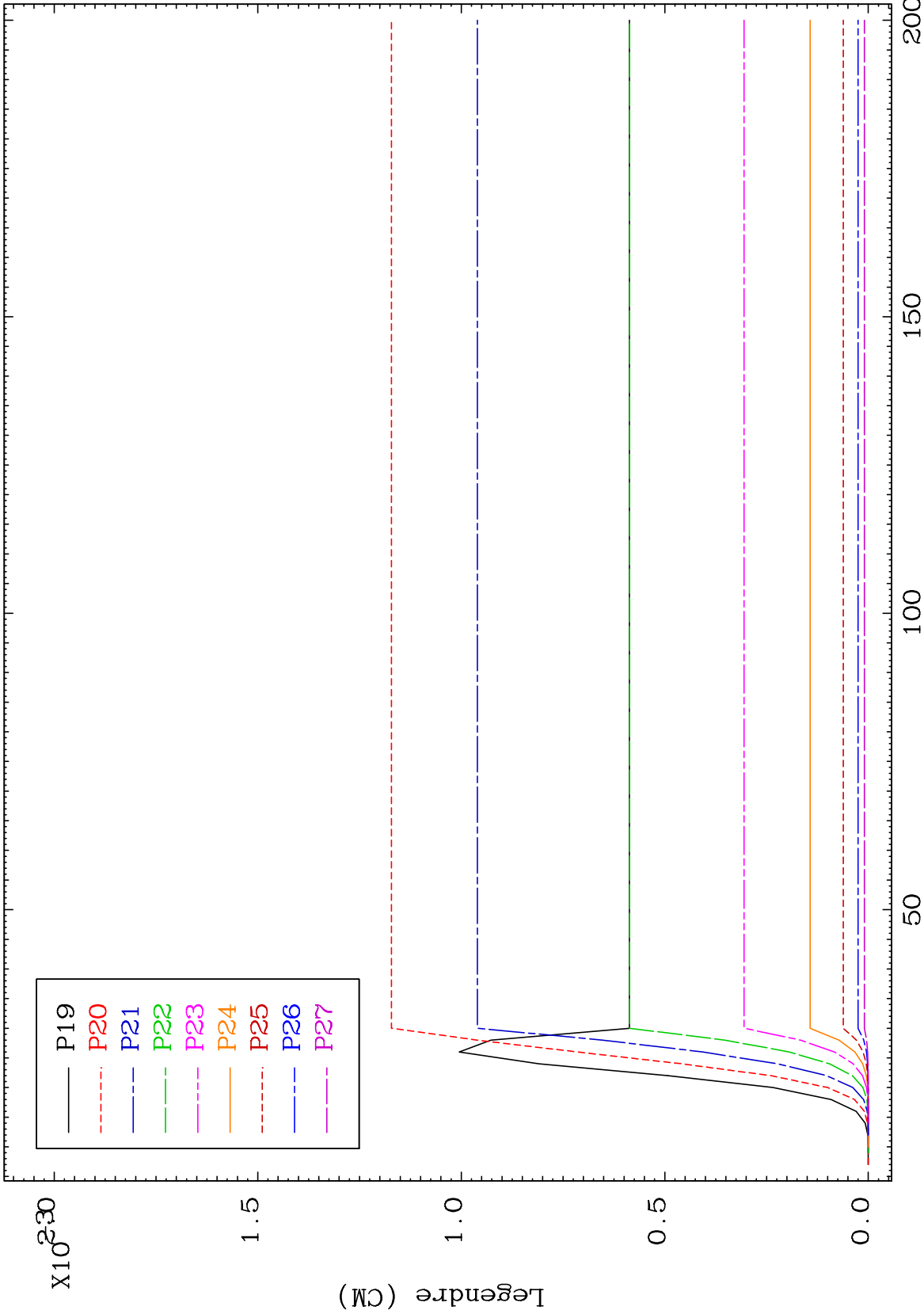


103 Incident Energy (MeV) 60-Nd-145

MAT 6034

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

60-Nd-145



104

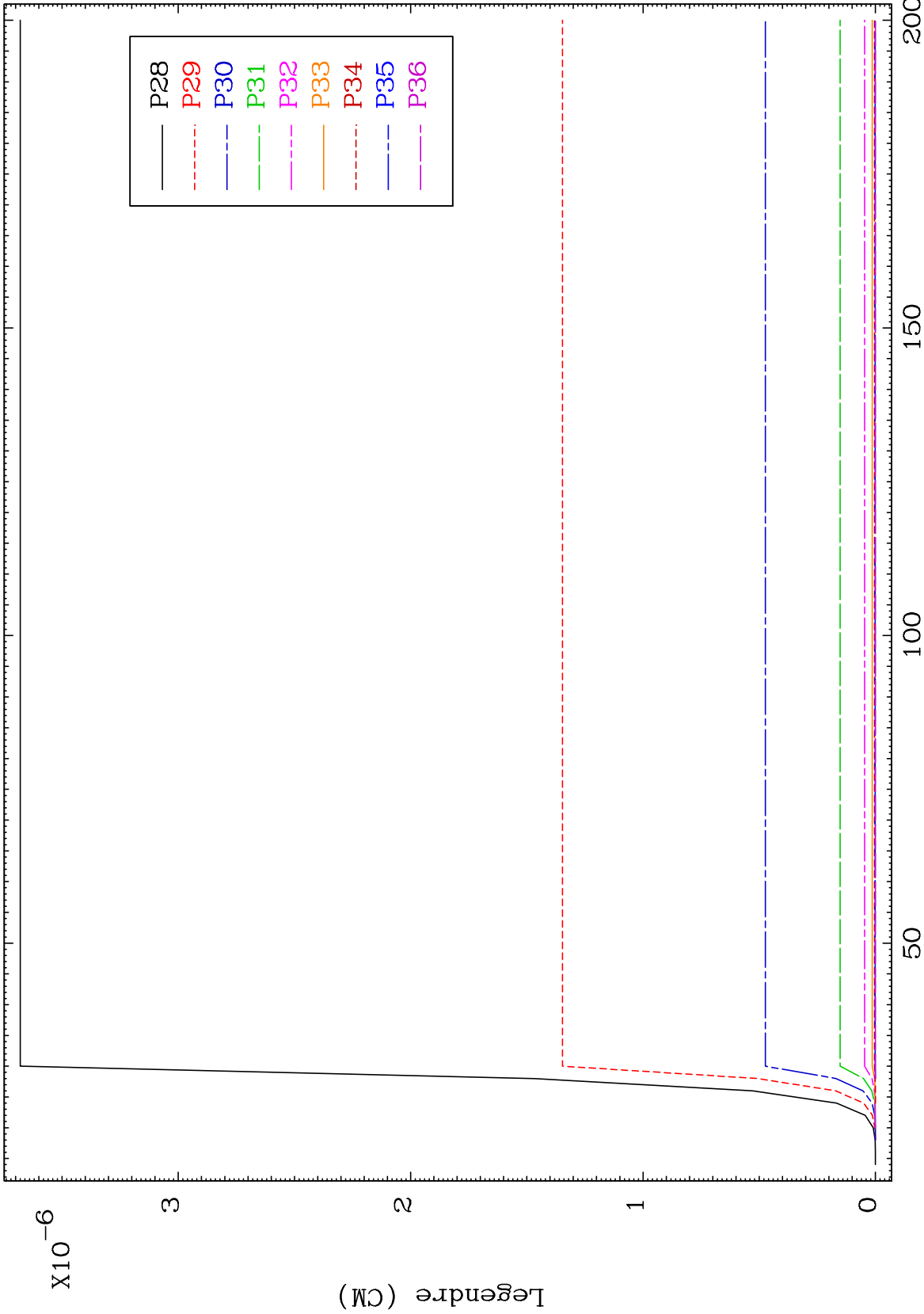
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145



105

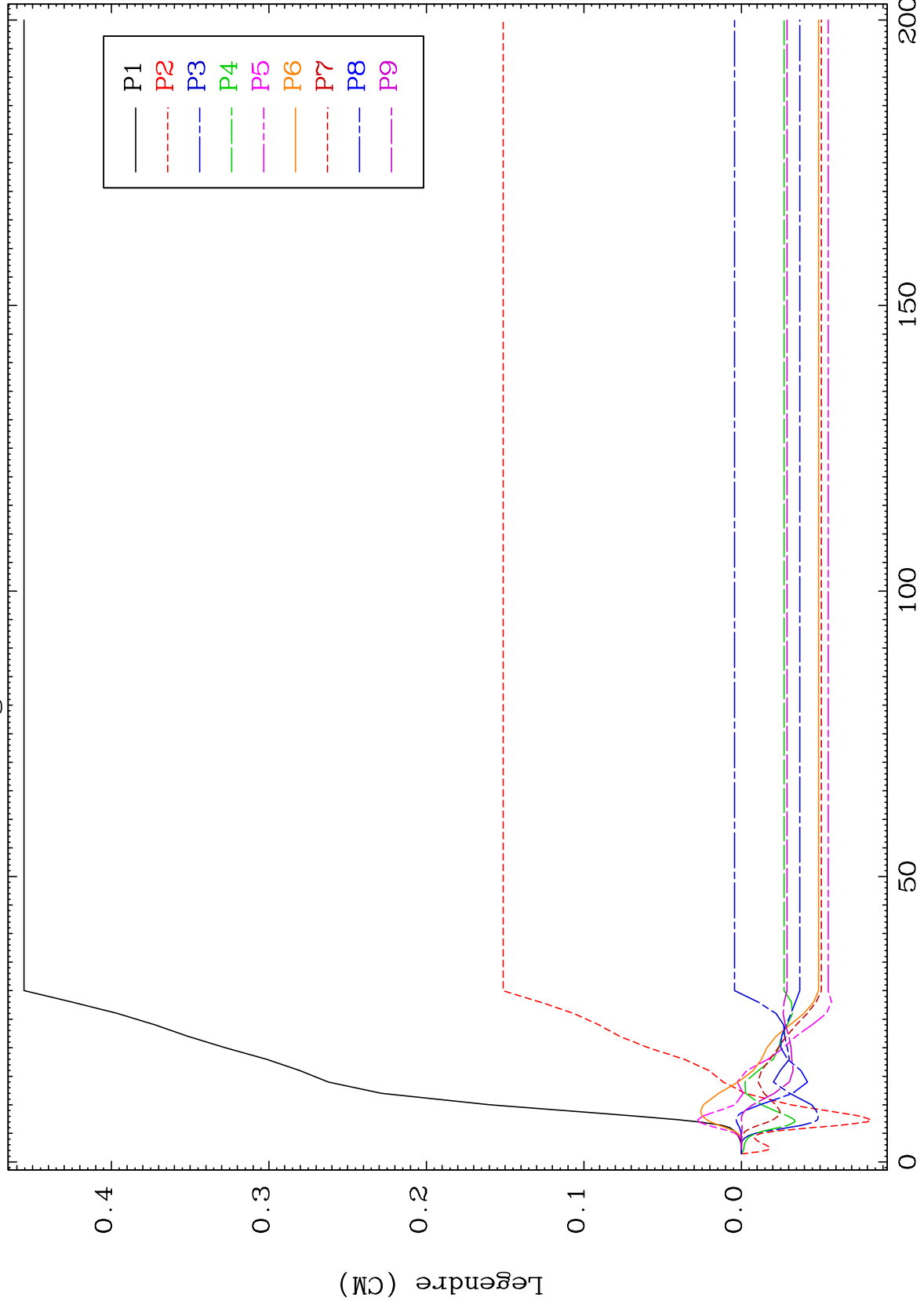
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145



60-Nd-145

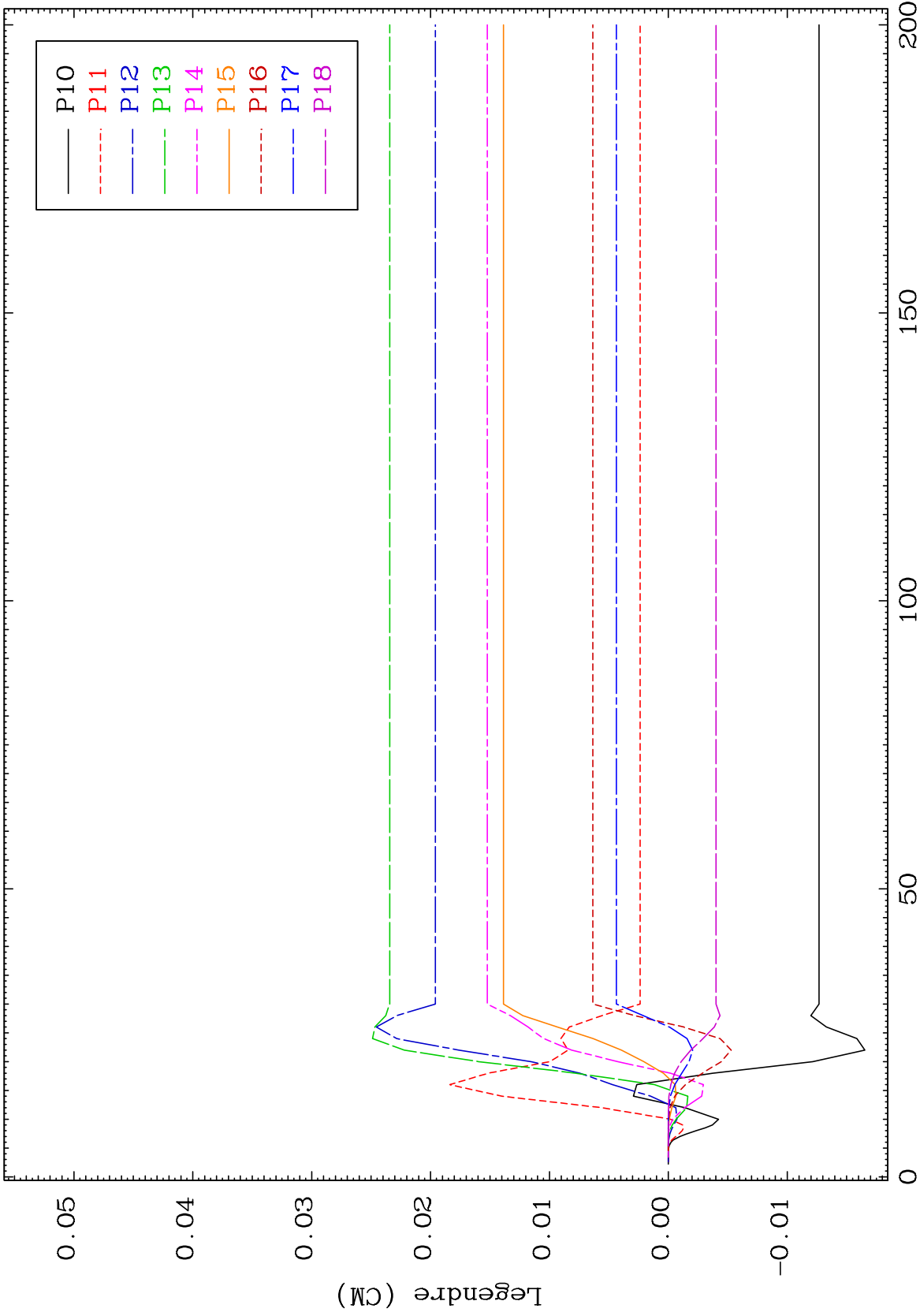
Incident Energy (MeV)

106

MAT 6034

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

60-Nd-145



107

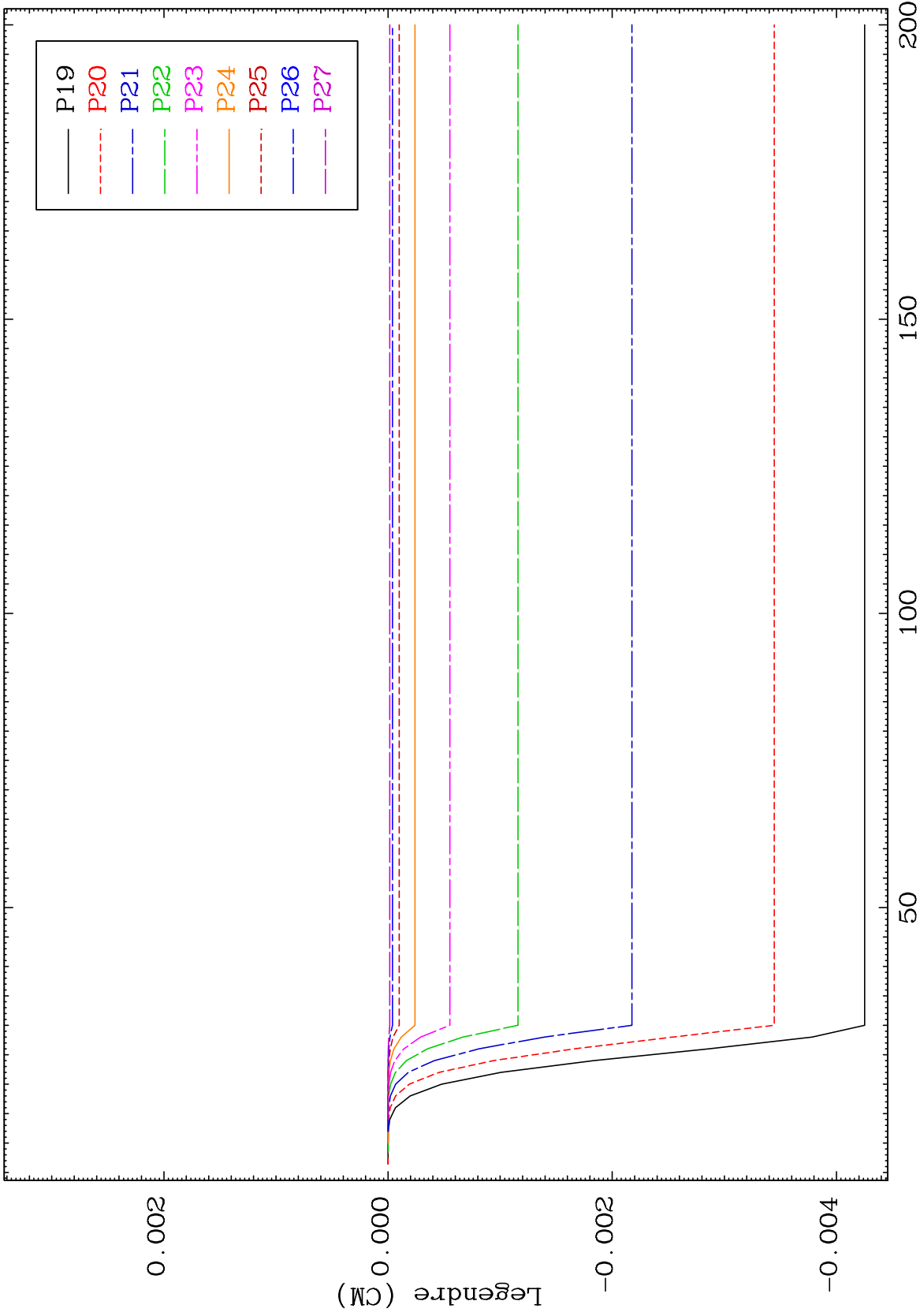
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145



108

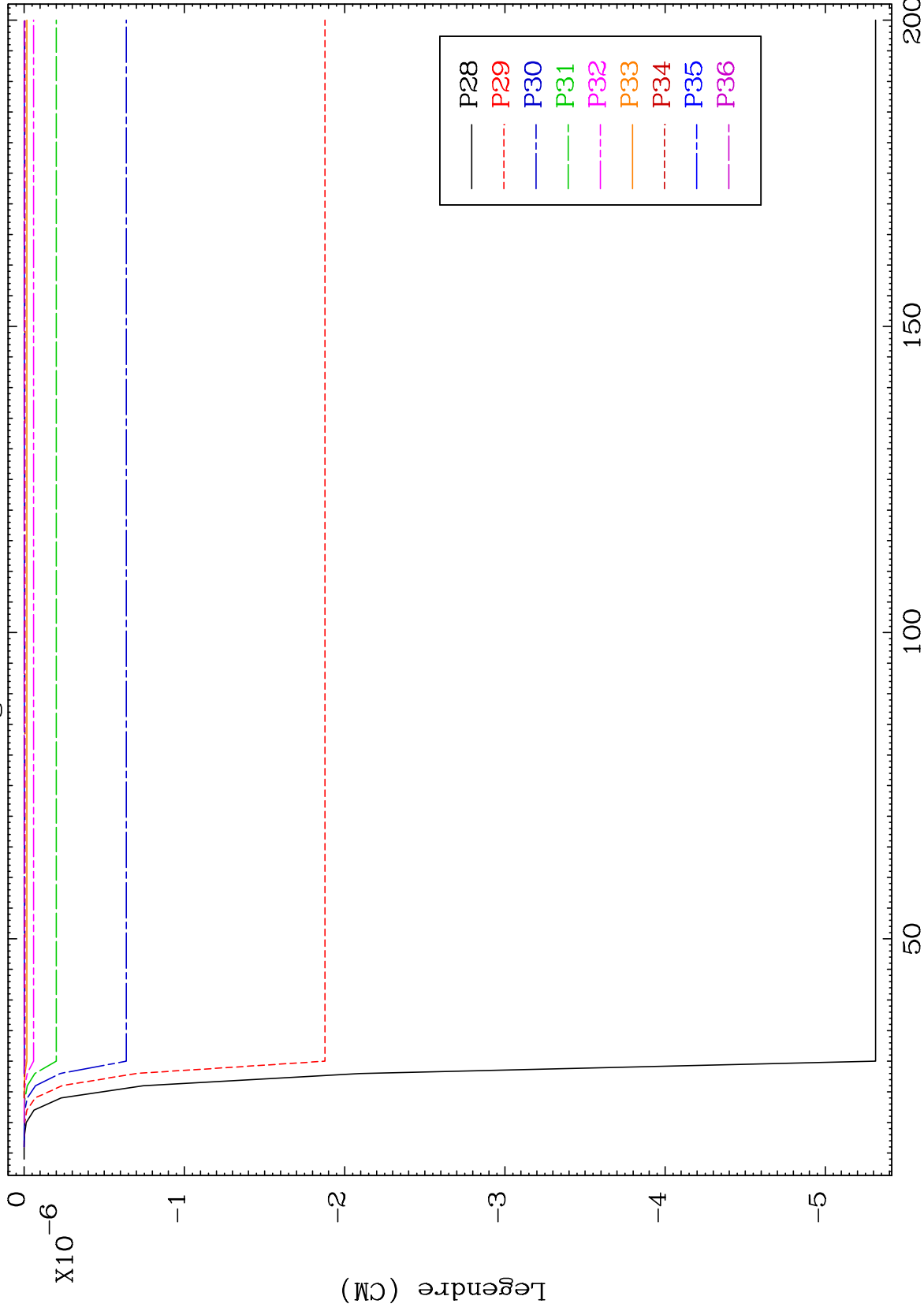
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145



109

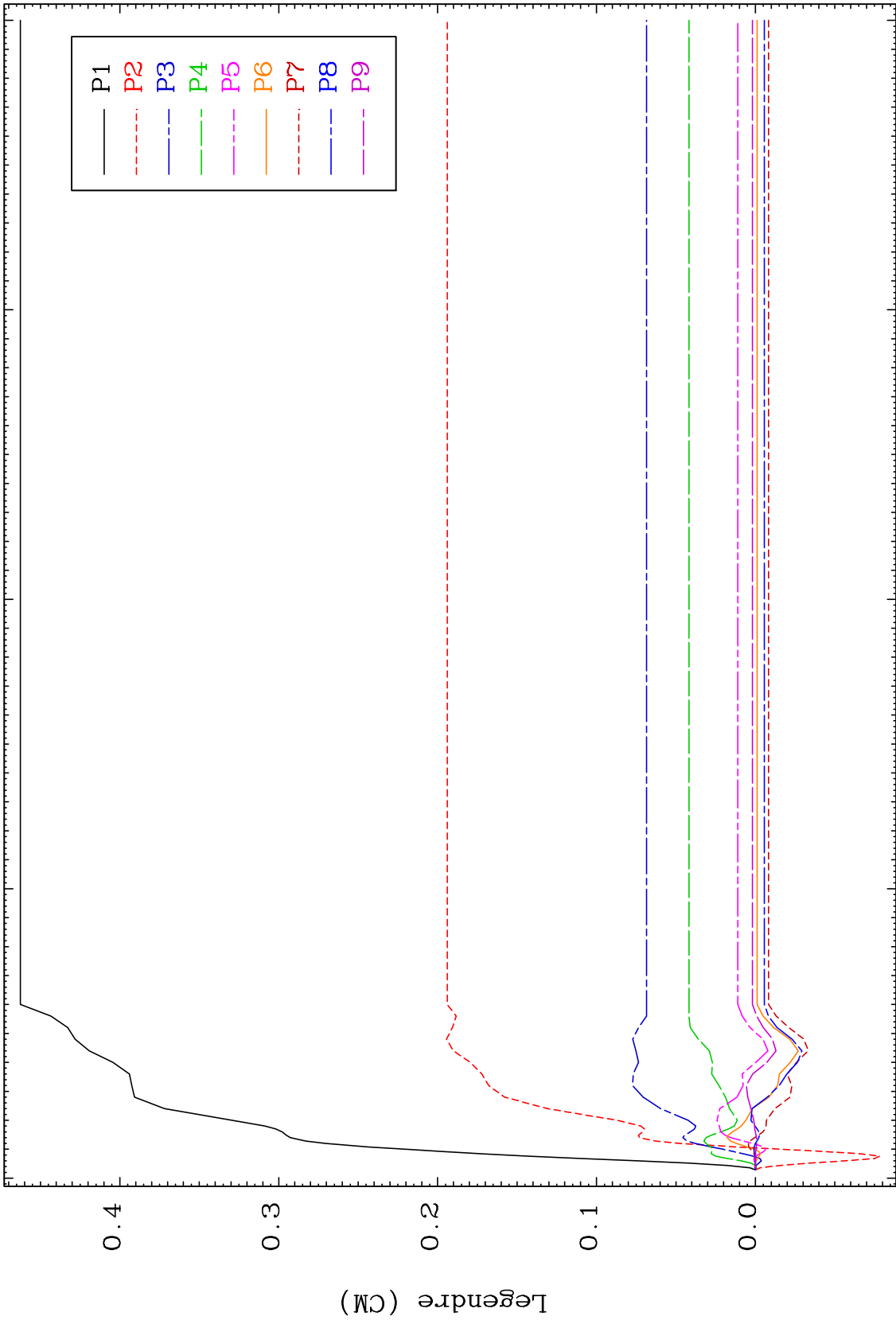
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145

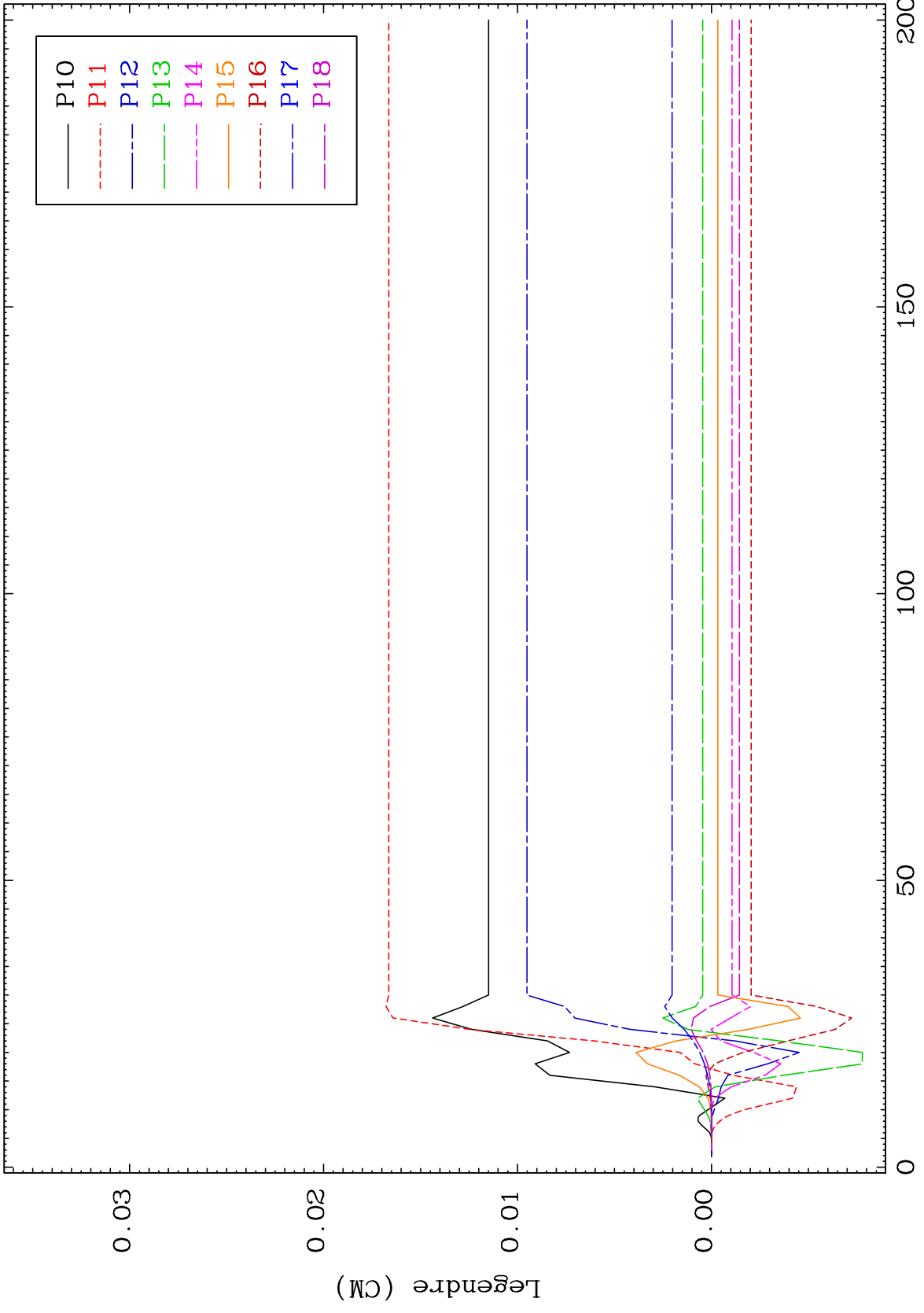


60-Nd-145

Incident Energy (MeV)

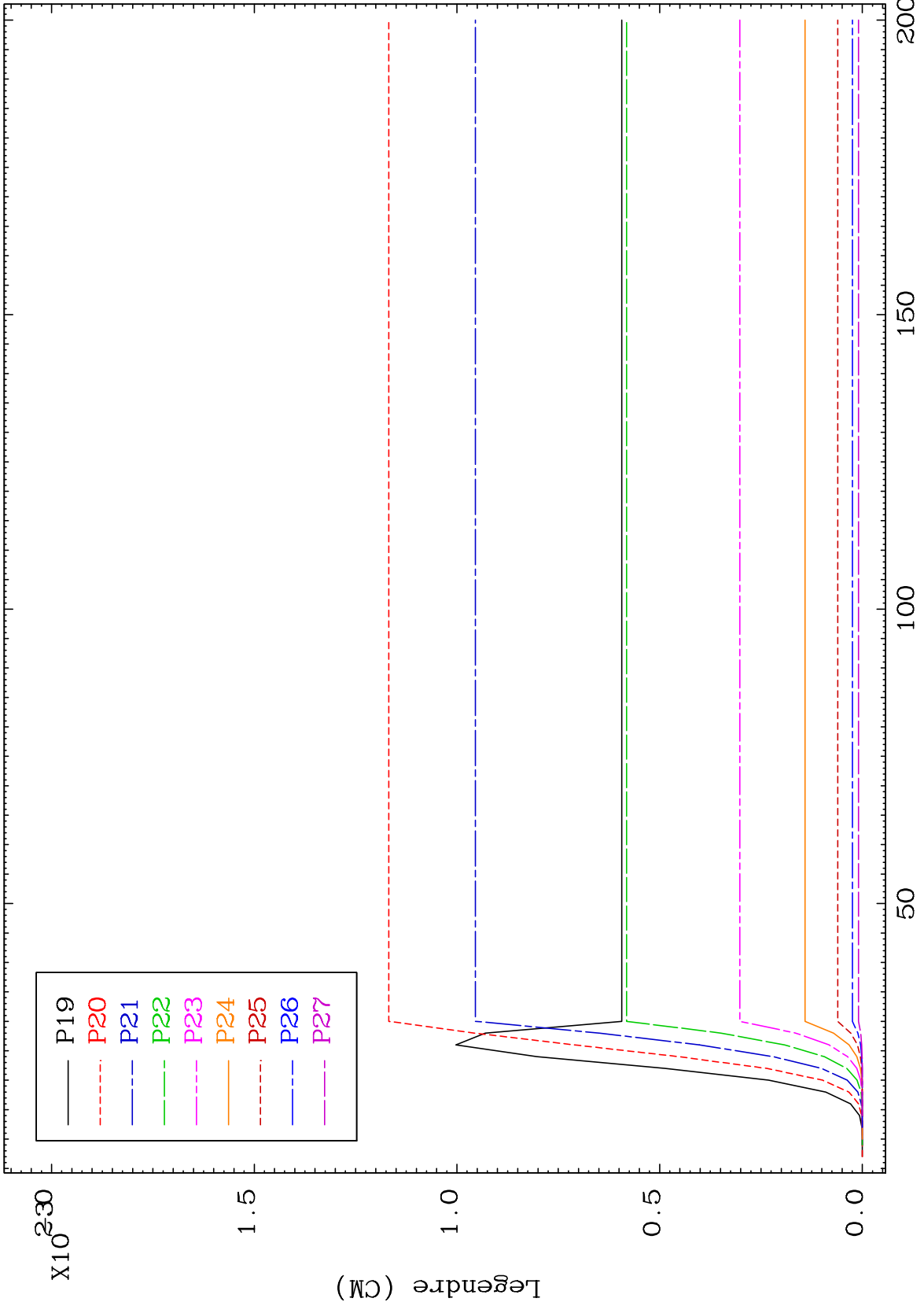
110

MAT 6034 MT= 74 (n,n') Level Legendre Coefficients 60-Nd-145



111 60-Nd-145

MAT 6034 MT= 74 (n,n') Level Legendre Coefficients 60-Nd-145

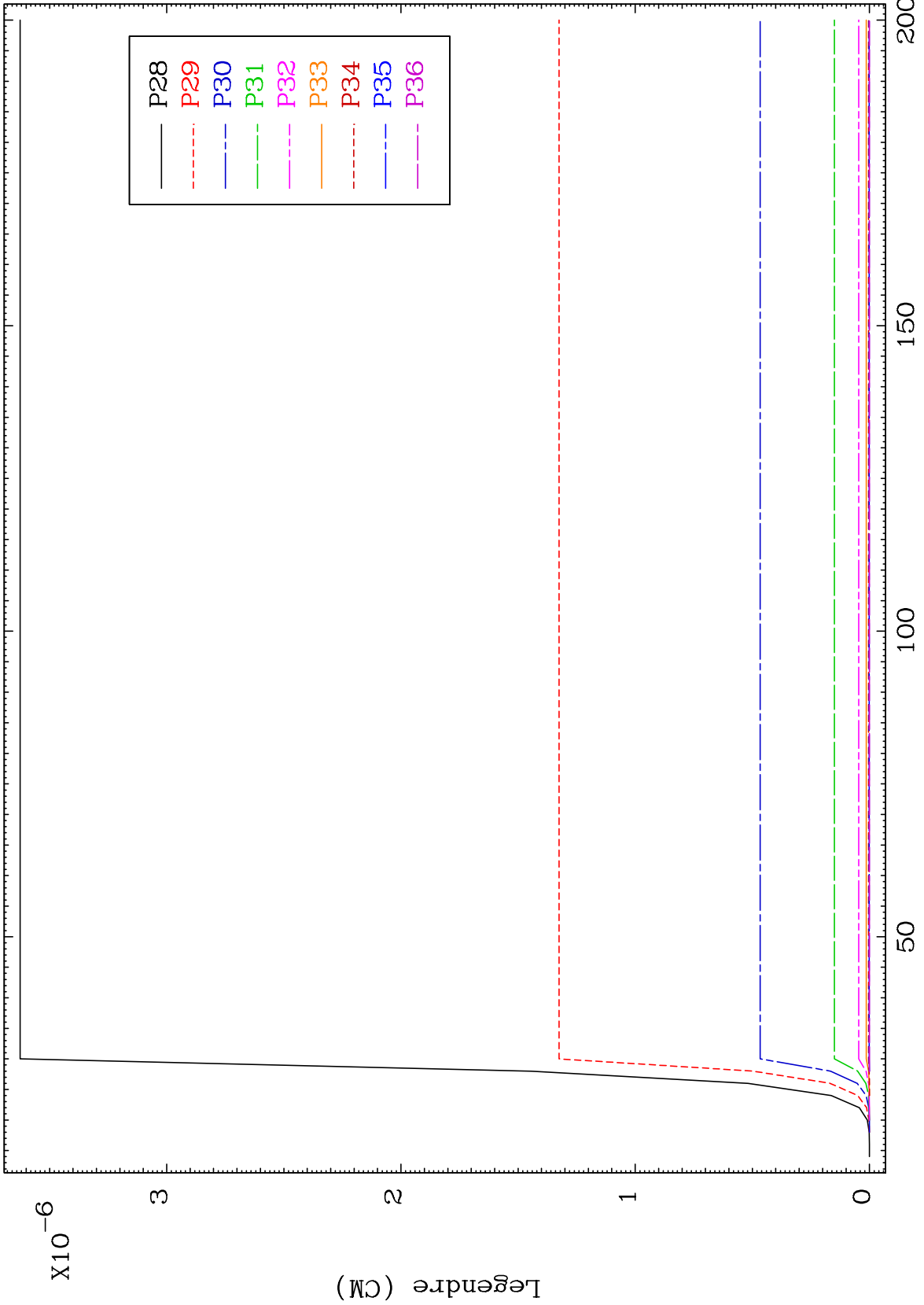


112 60-Nd-145

MAT 6034

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

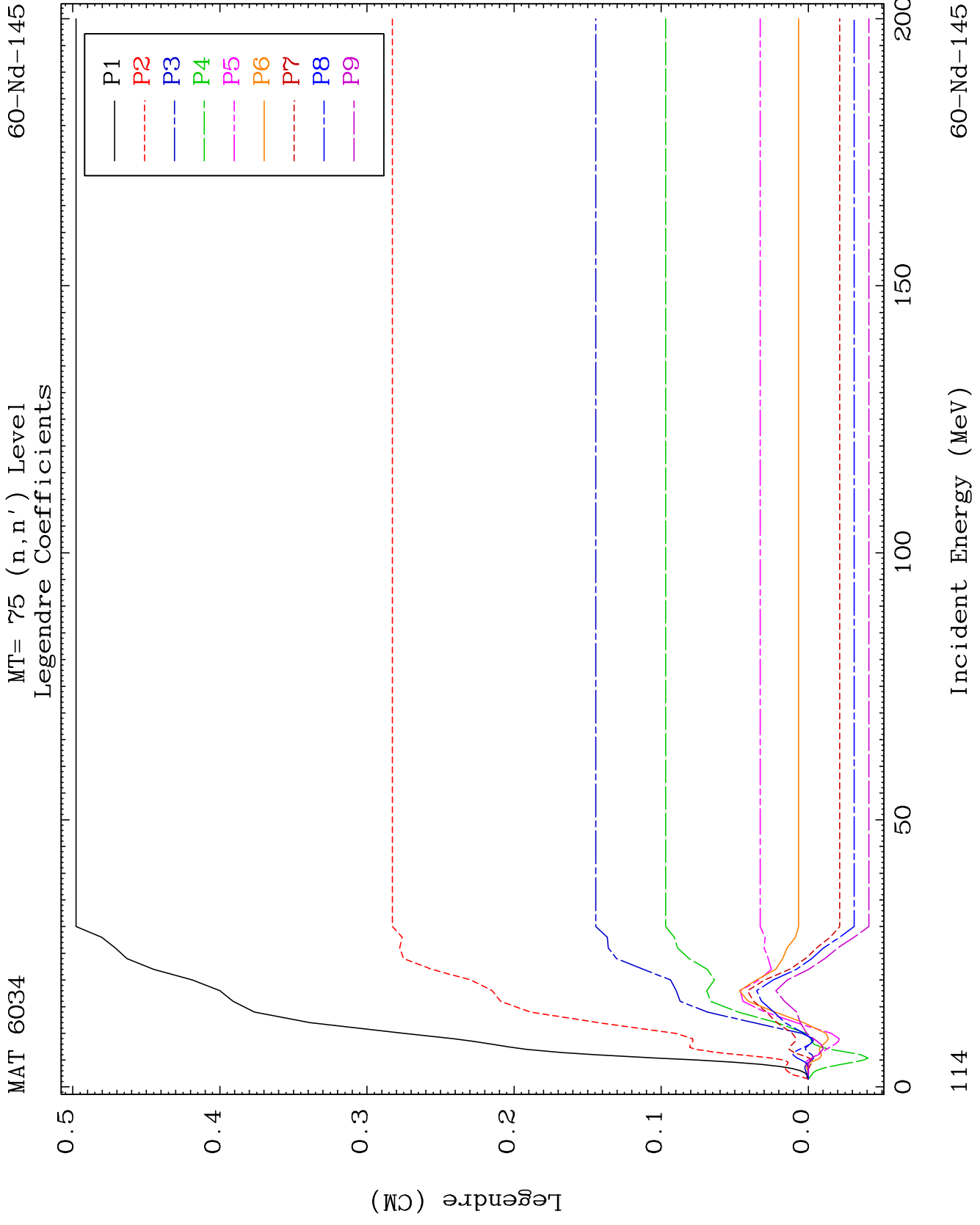
60-Nd-145



113

Incident Energy (MeV)

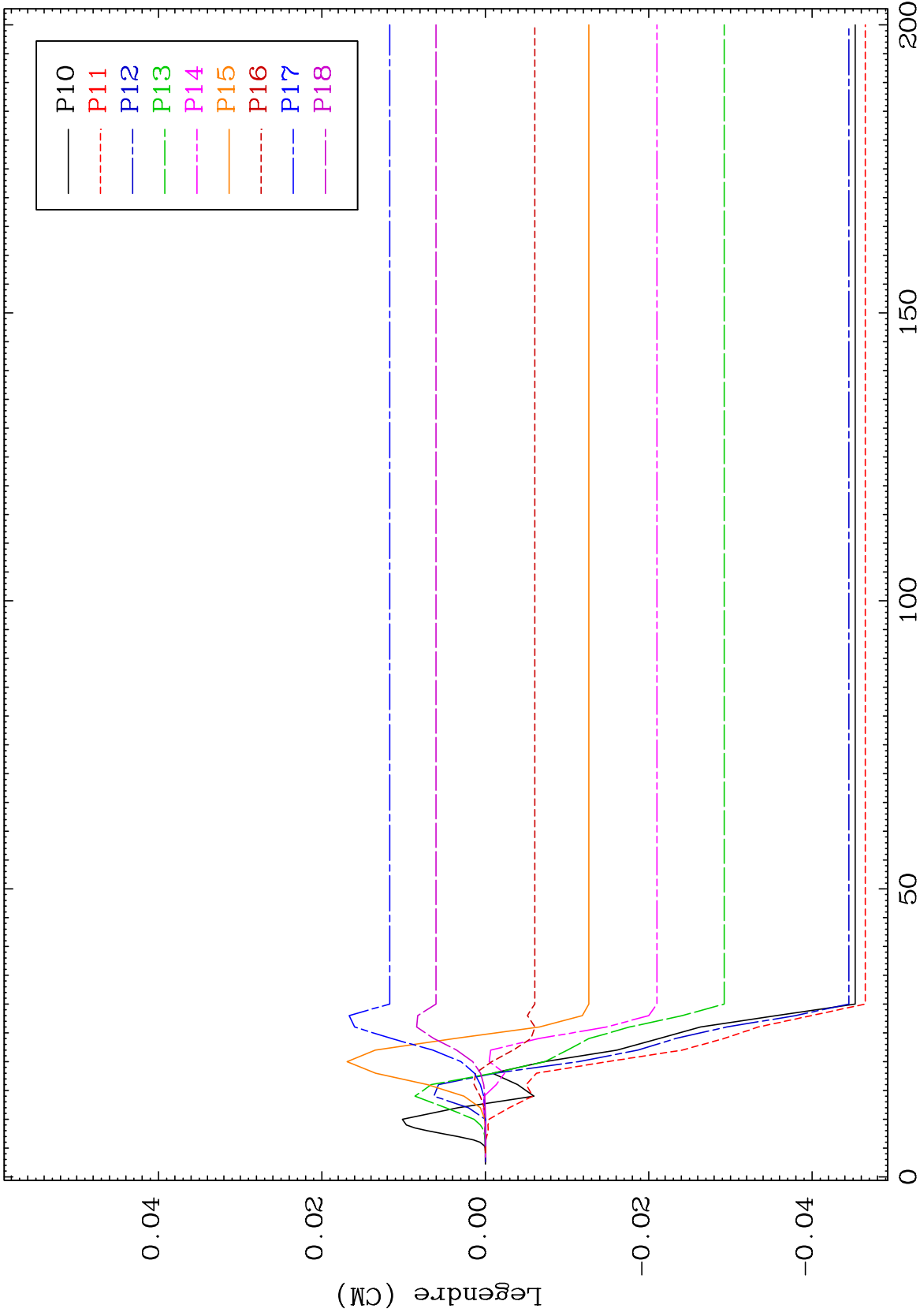
60-Nd-145



MAT 6034

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

60-Nd-145



115

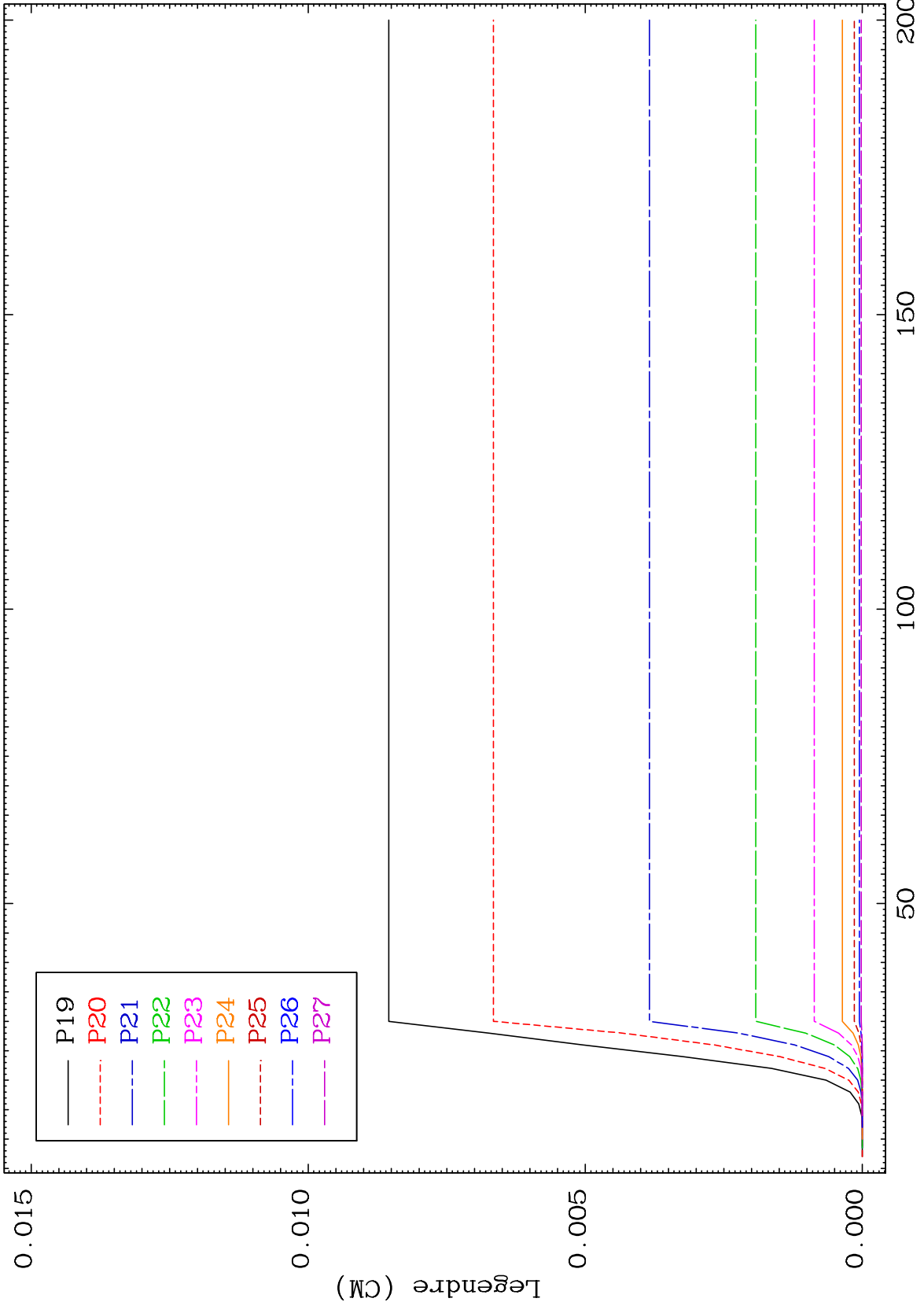
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145



116

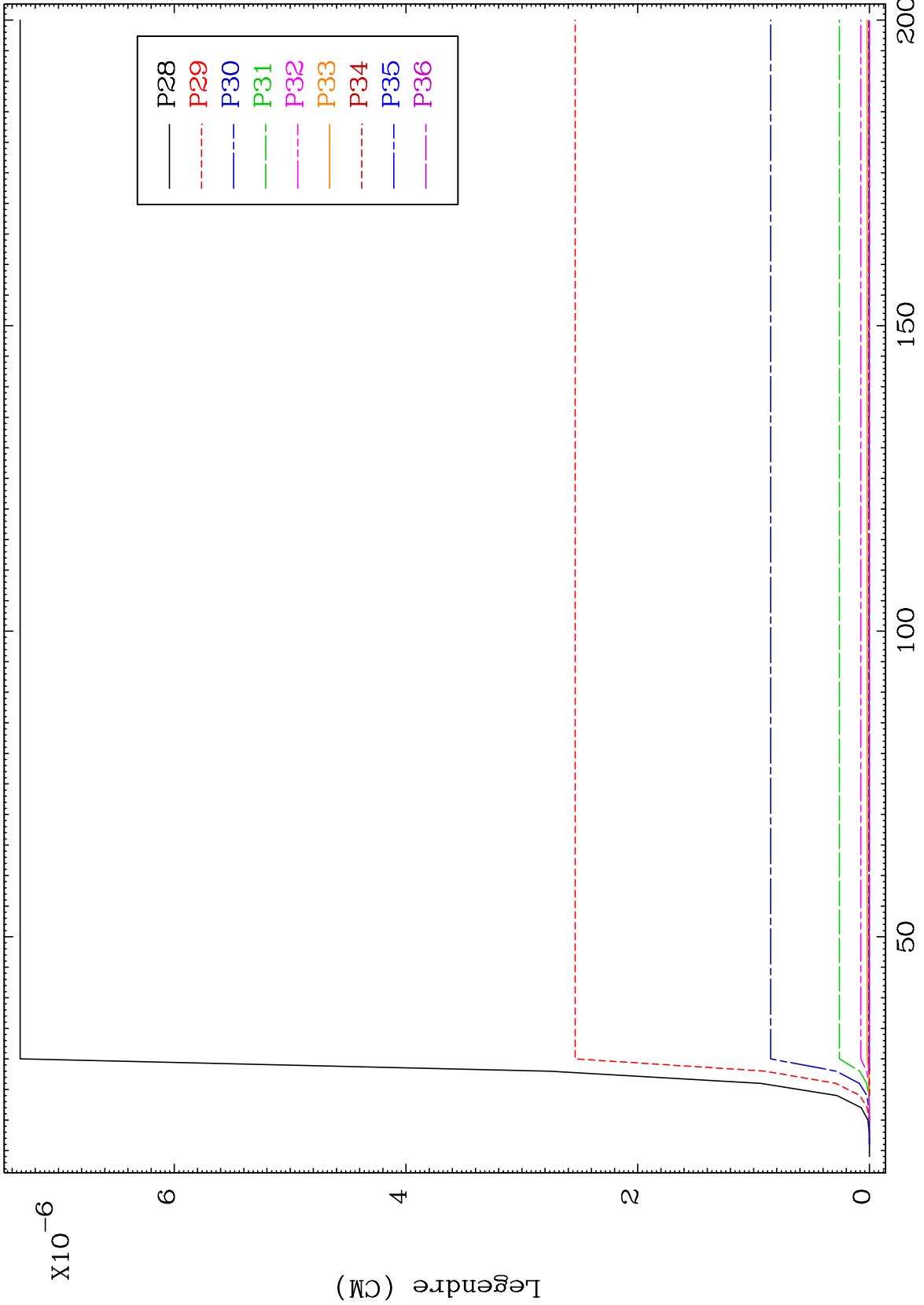
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145

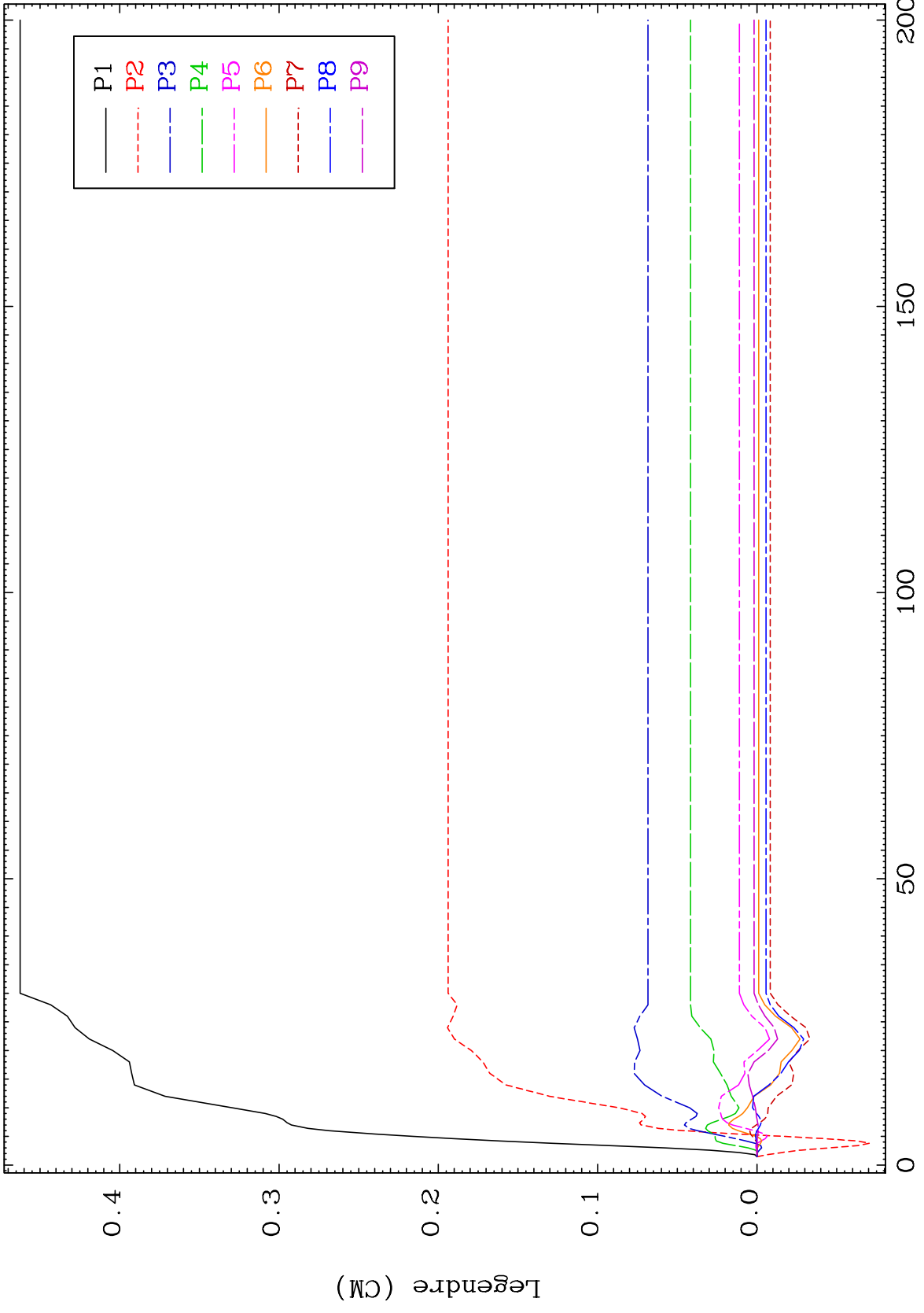


117

Incident Energy (MeV)

60-Nd-145

MAT 6034 MT= 76 (n,n') Level Legendre Coefficients 60-Nd-145

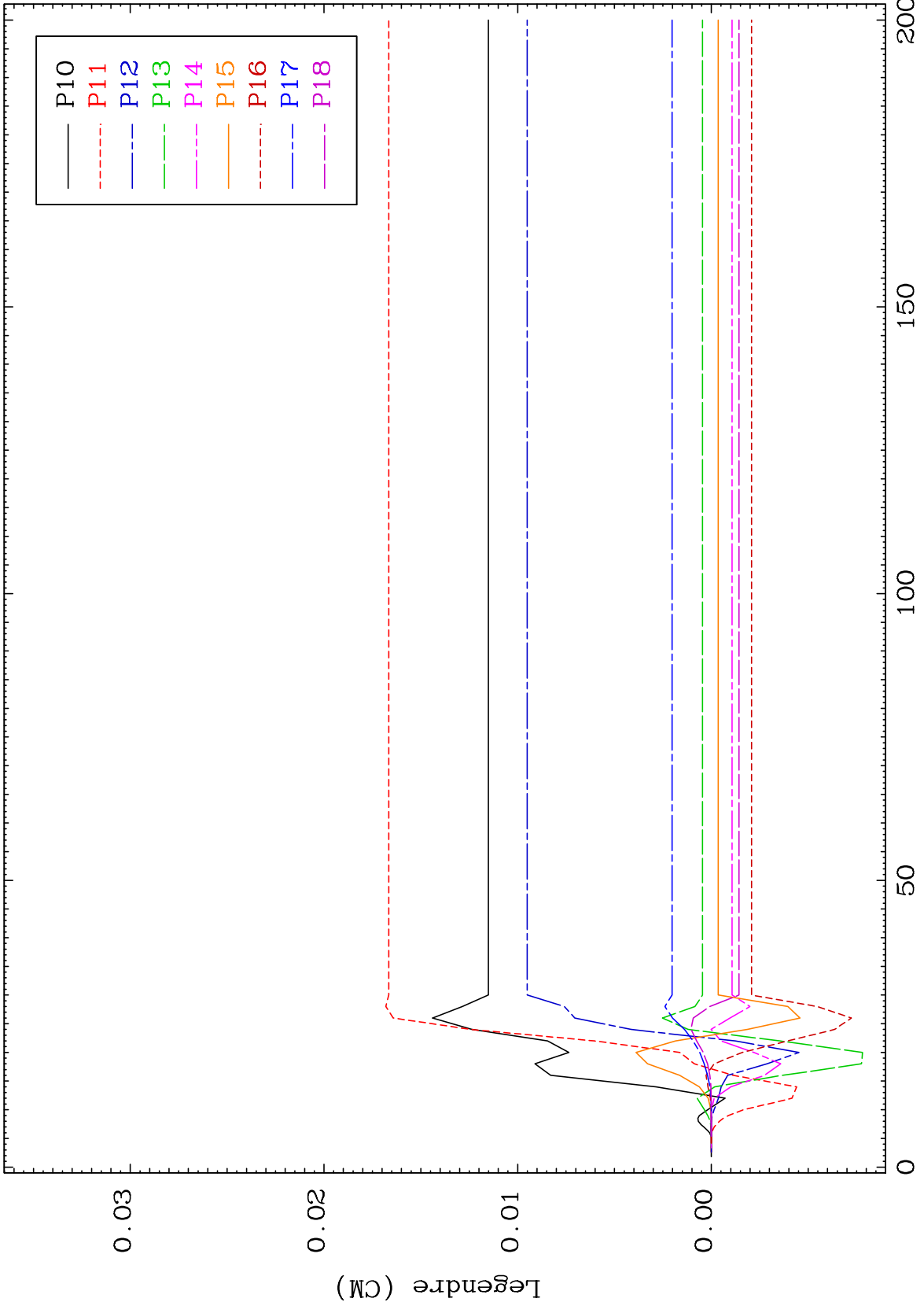


118 60-Nd-145

MAT 6034

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

60-Nd-145



119

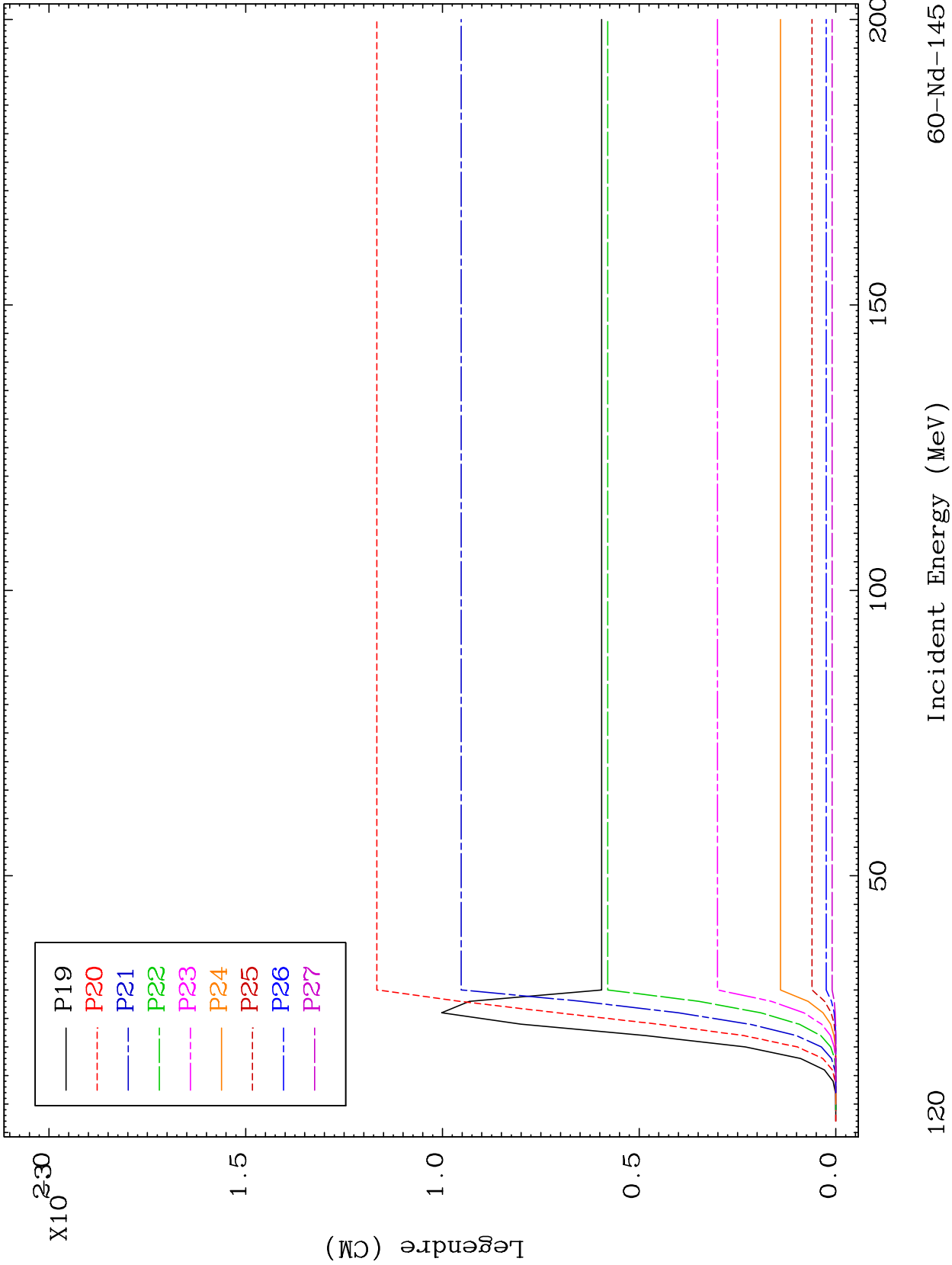
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145

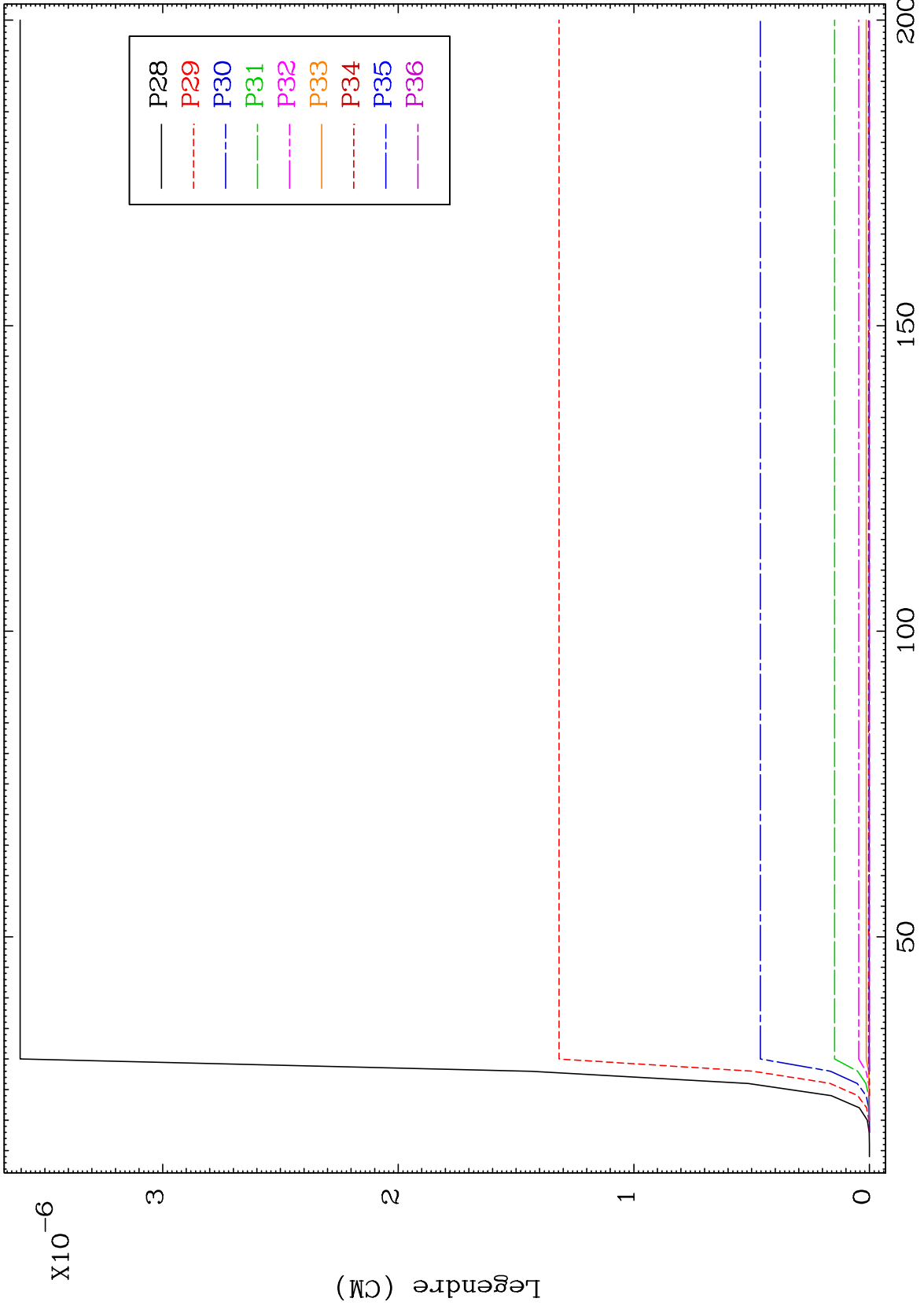


60-Nd-145

MAT 6034

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

60-Nd-145



121

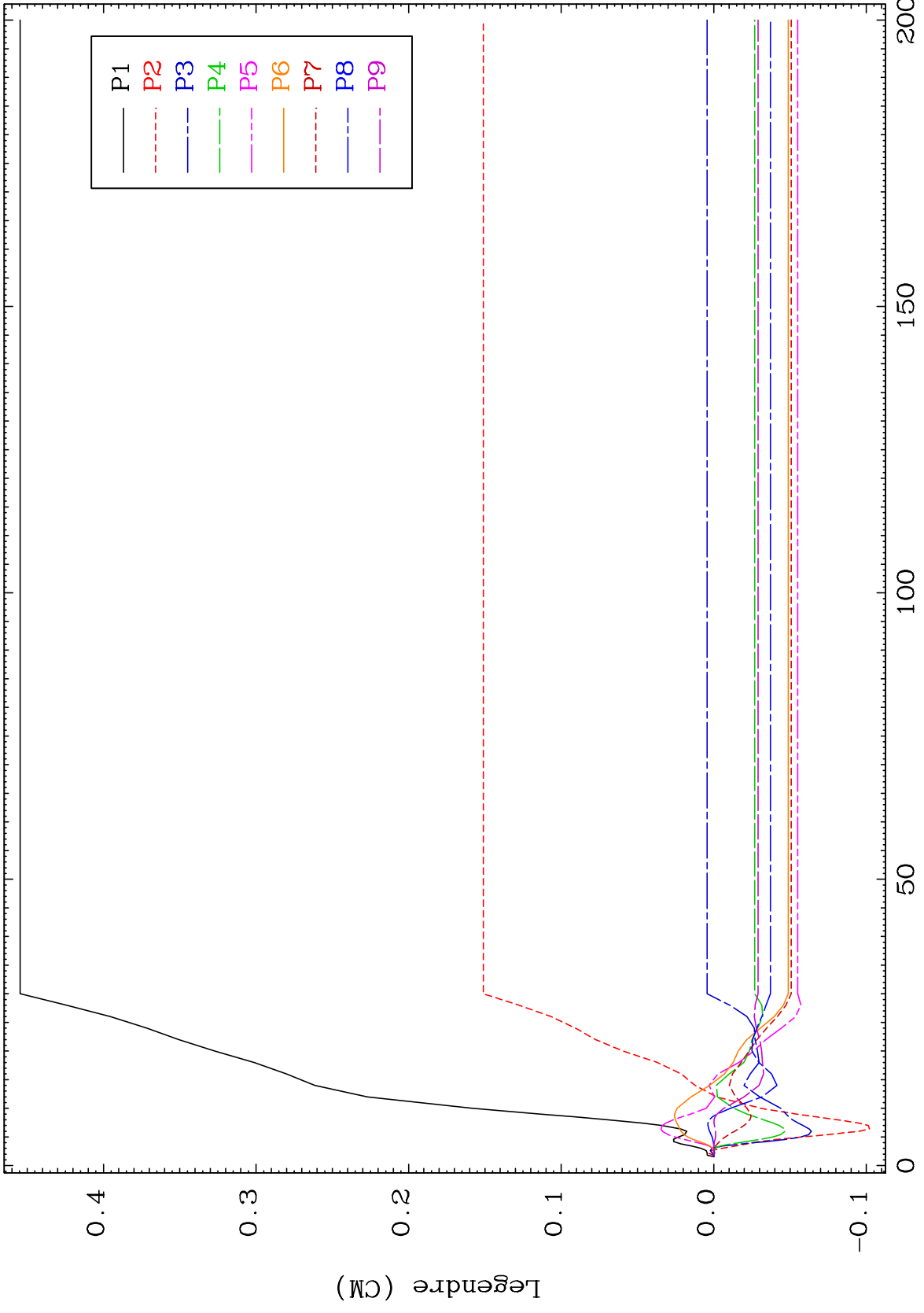
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145



122

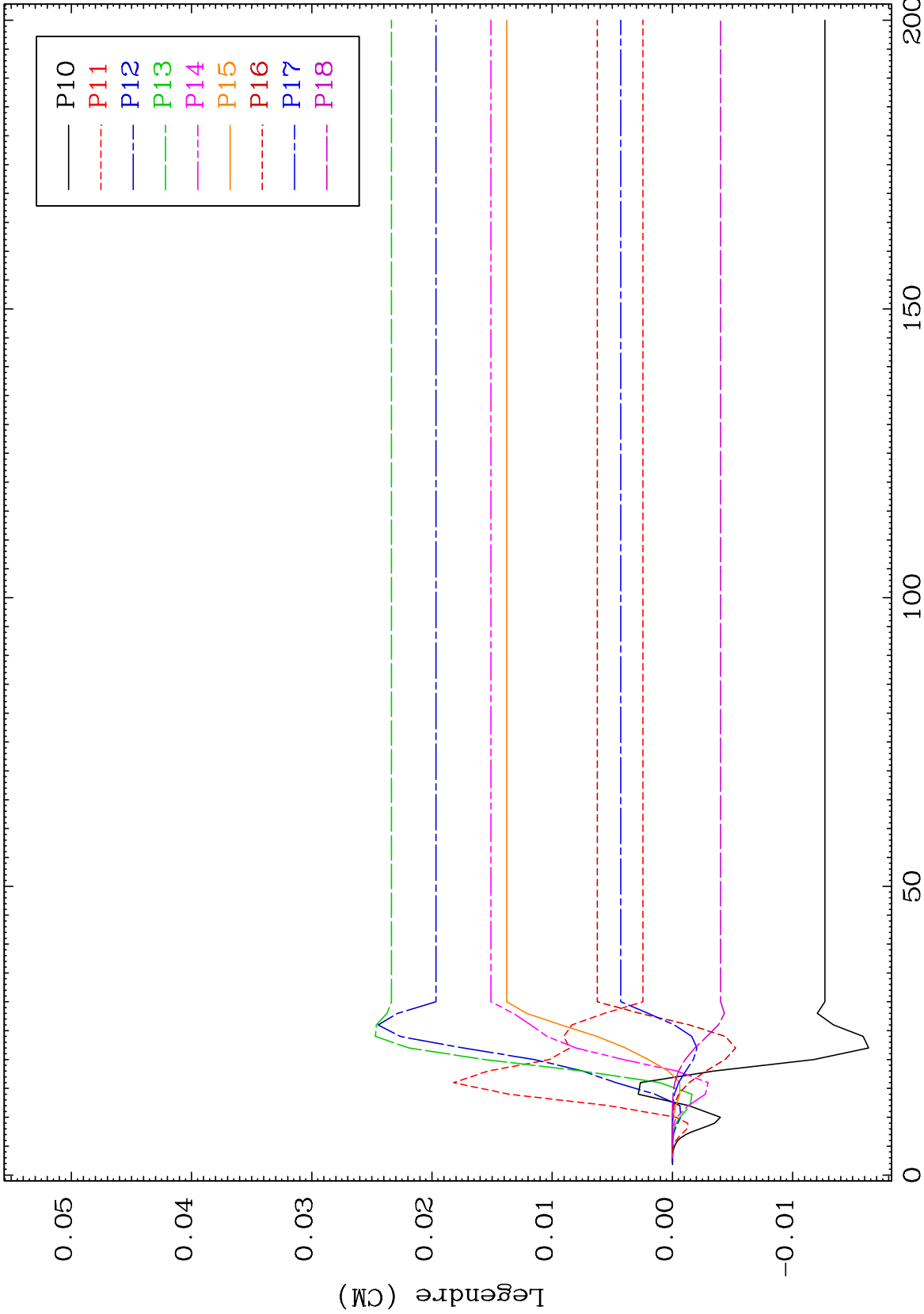
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145



123

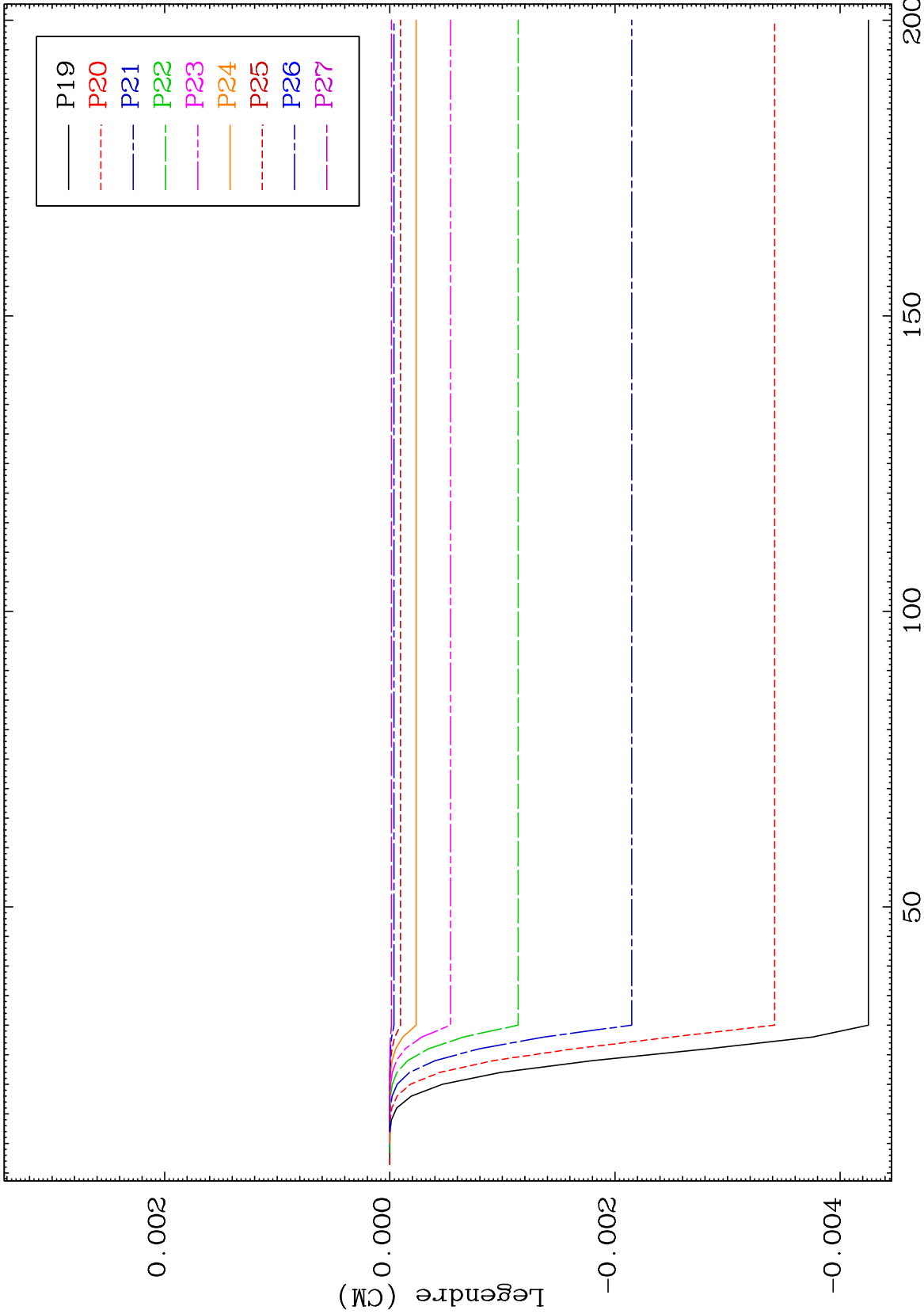
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145

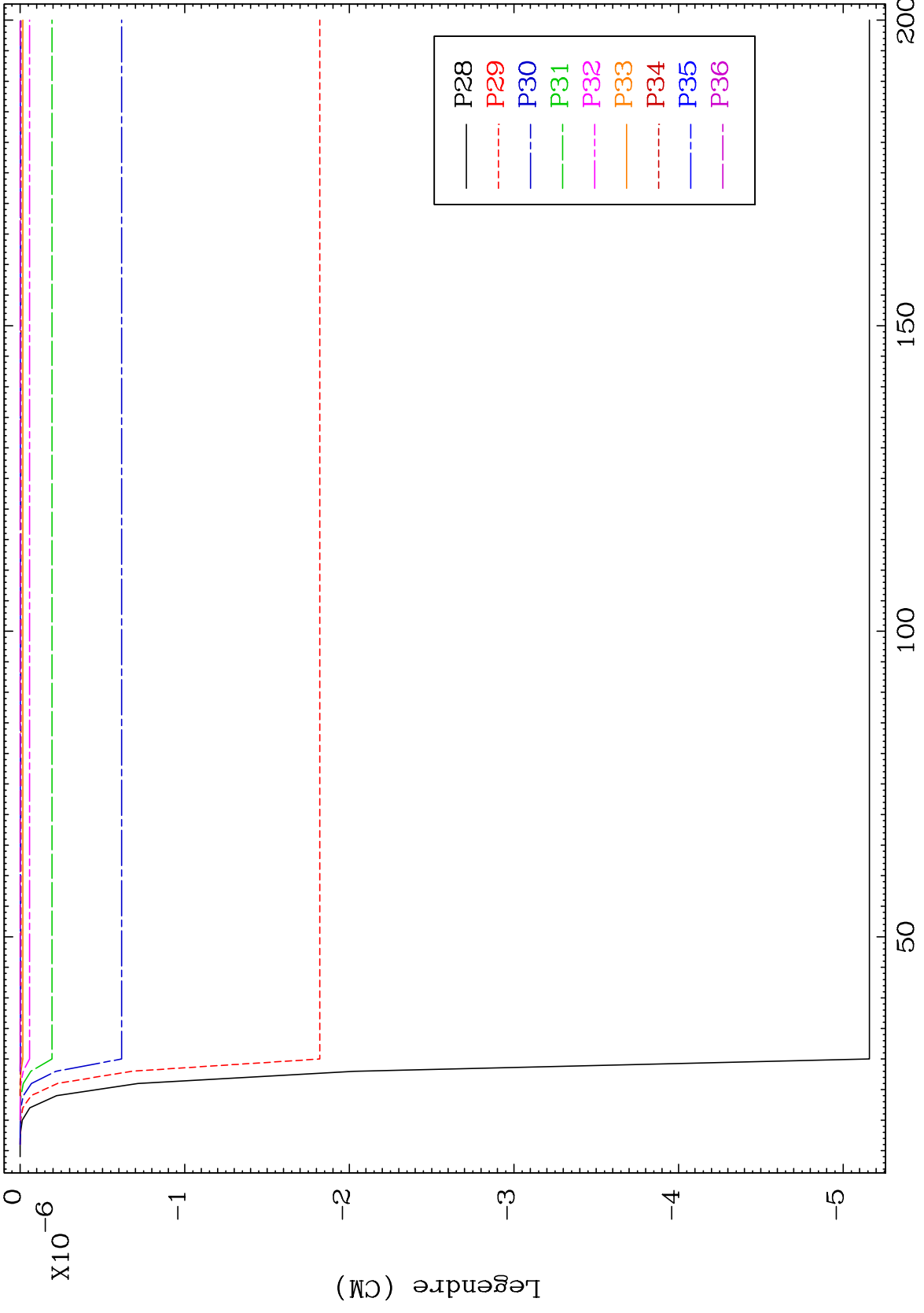


124

Incident Energy (MeV)

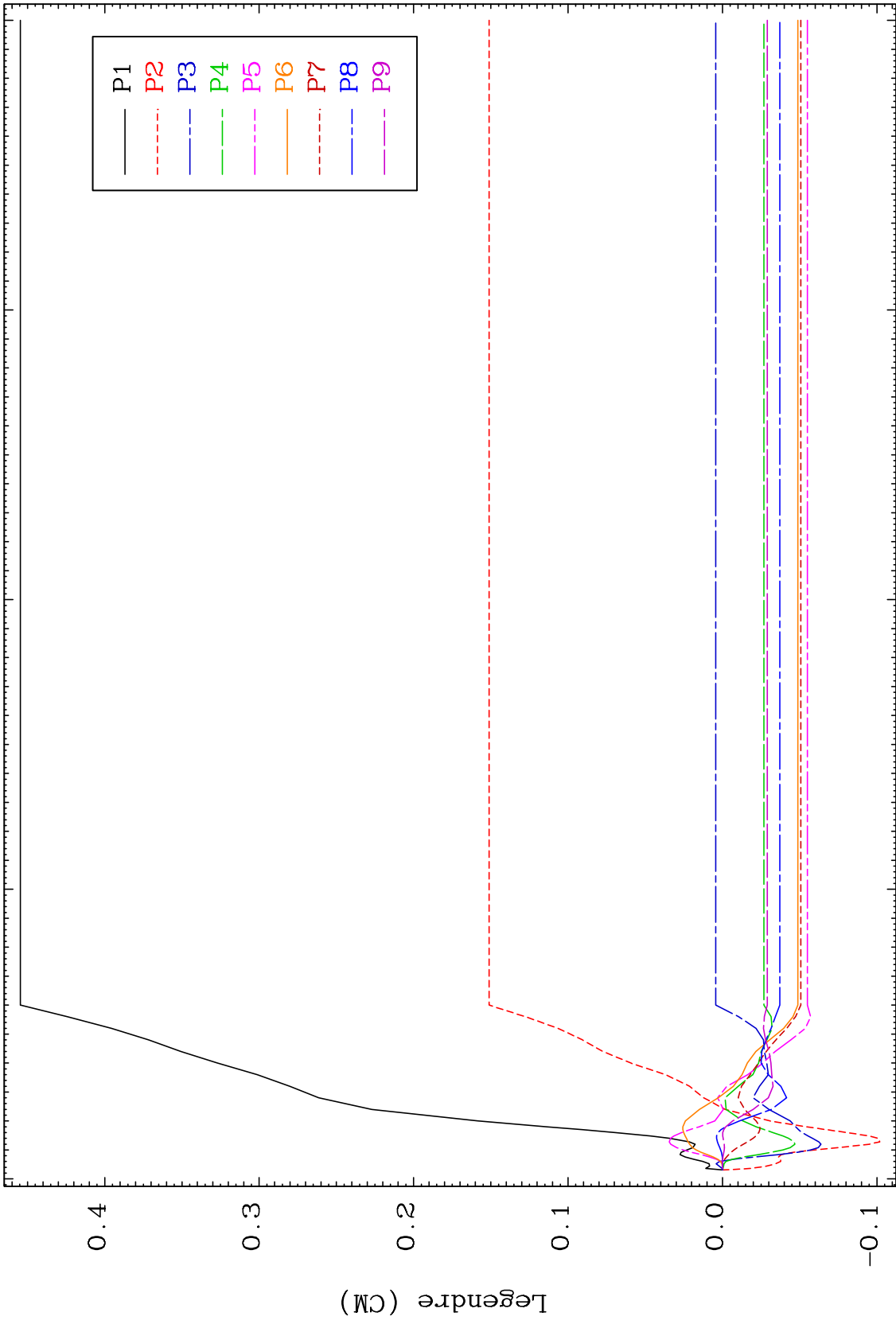
60-Nd-145

MAT 6034 MT= 77 (n,n') Level Legendre Coefficients 60-Nd-145



125 50 100 150 200 60-Nd-145

MAT 6034 MT= 78 (n,n') Level Legendre Coefficients 60-Nd-145

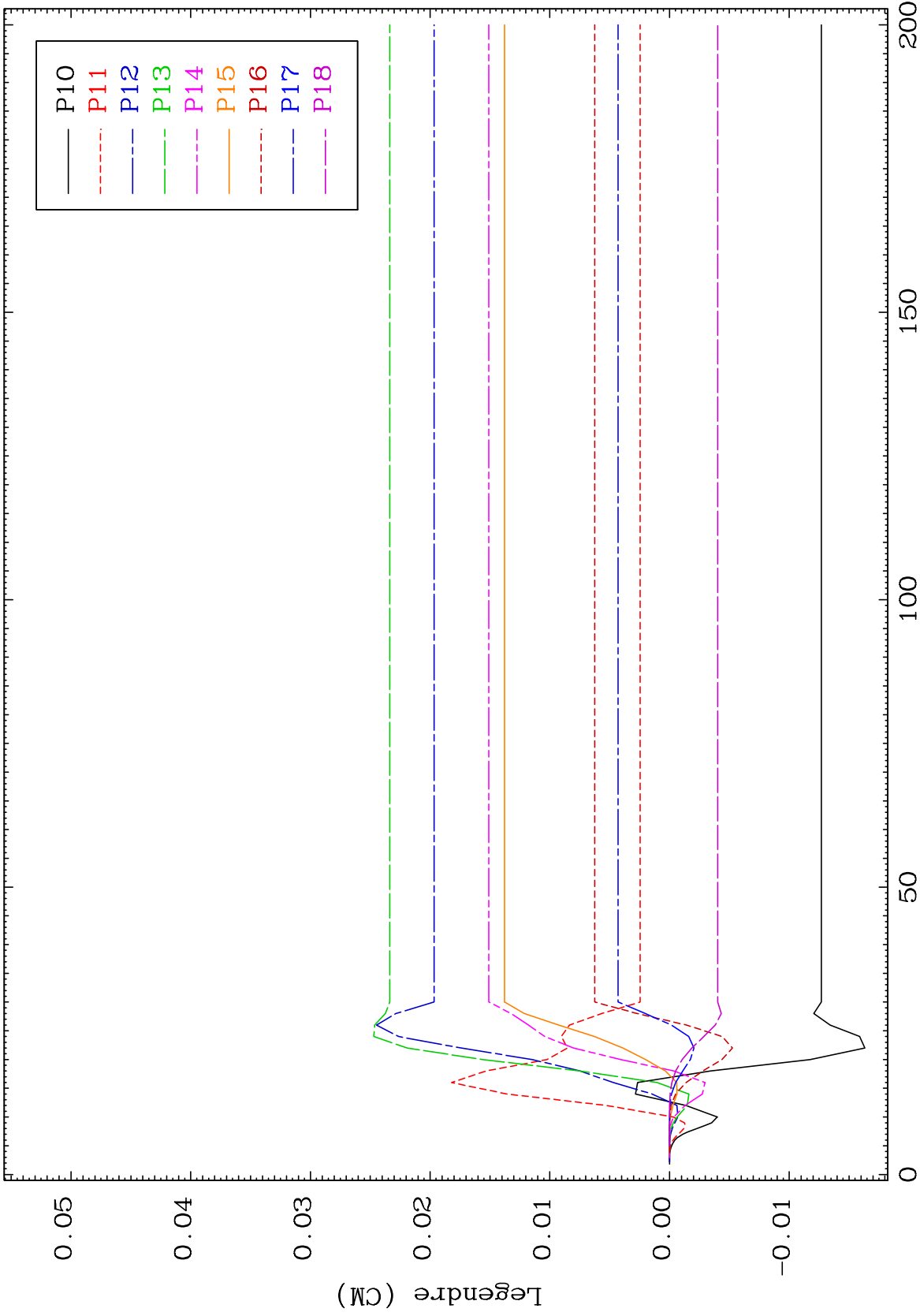


126 Incident Energy (MeV) 60-Nd-145

MAT 6034

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

60-Nd-145



127

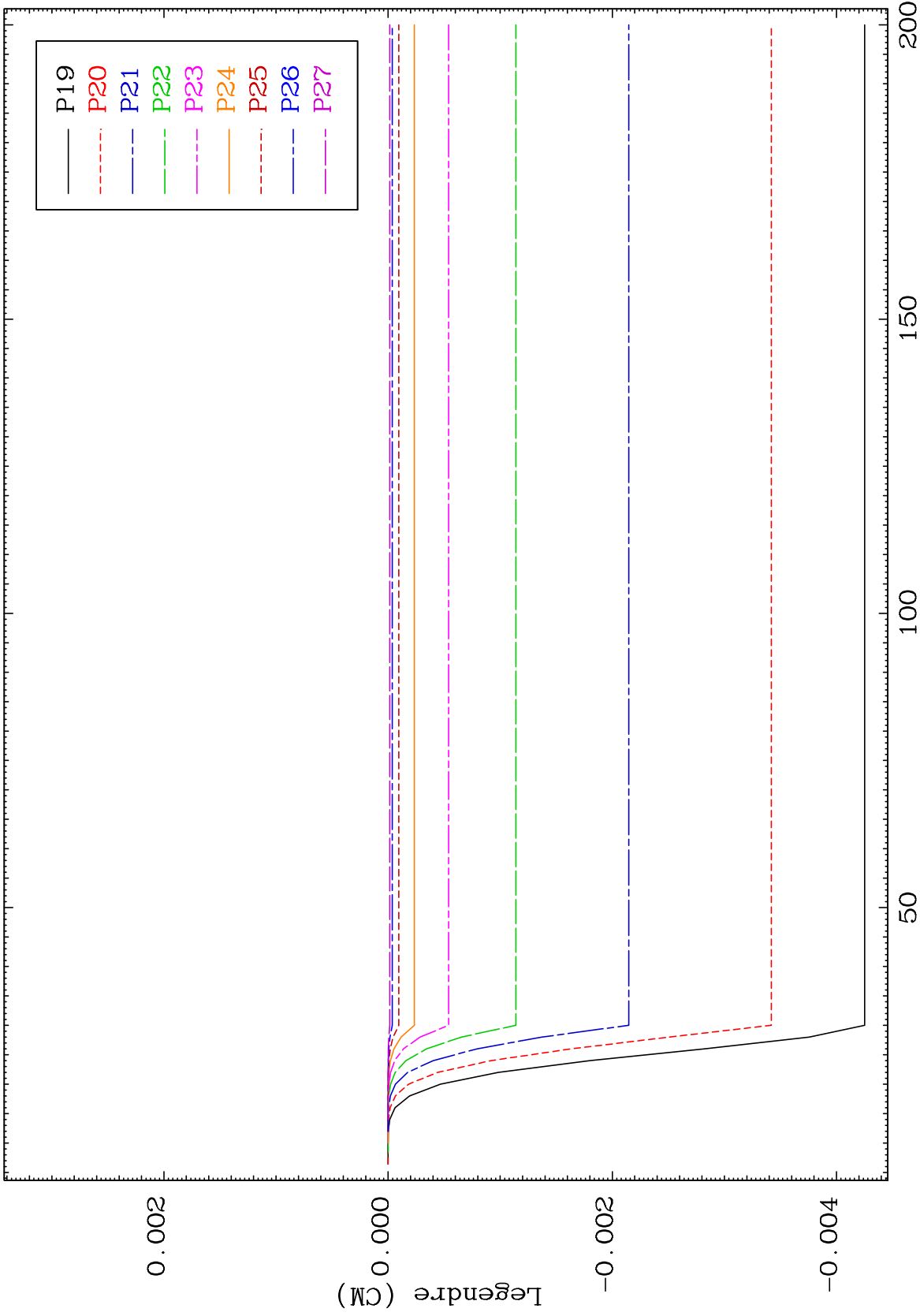
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145

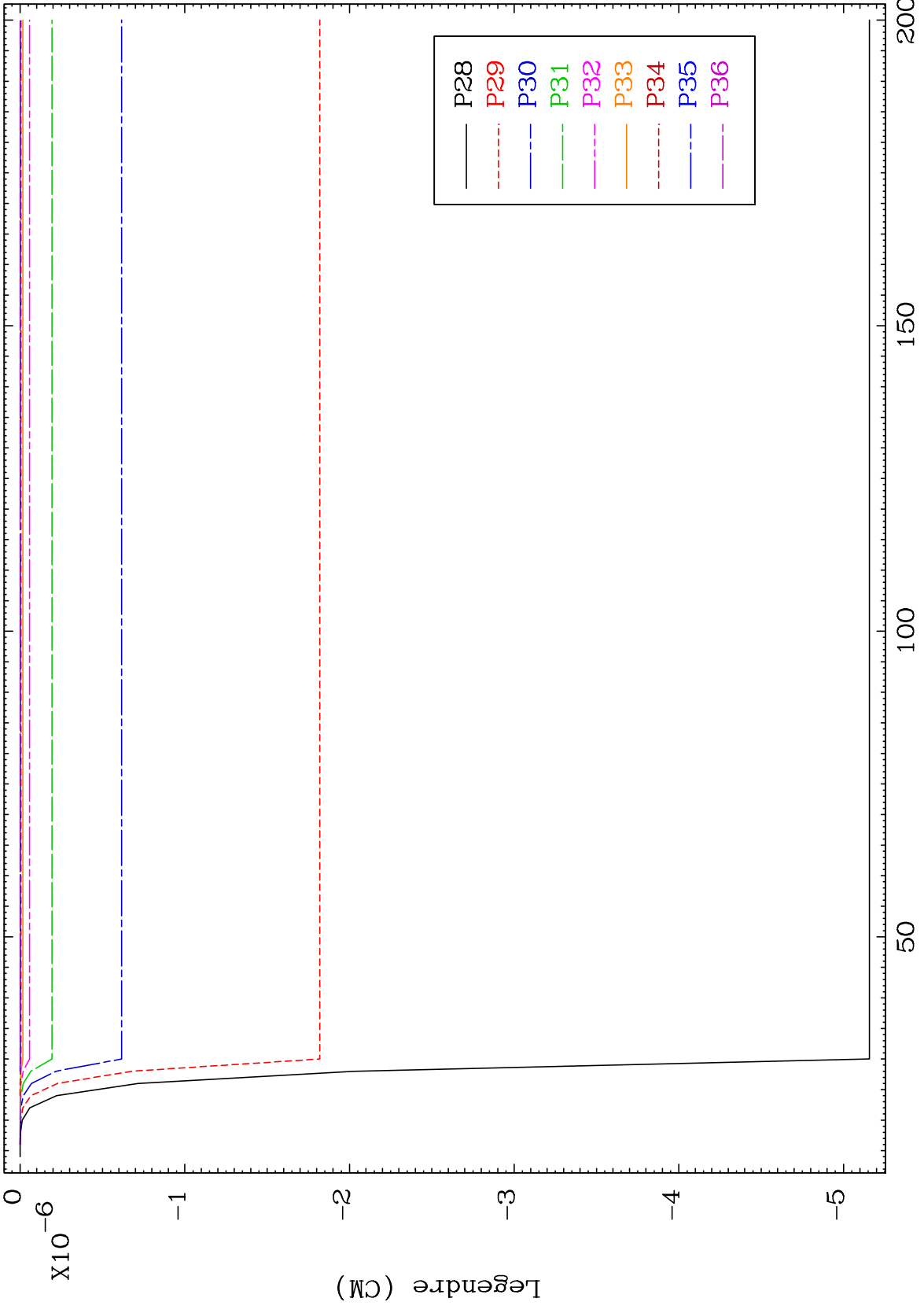


128

Incident Energy (MeV)

60-Nd-145

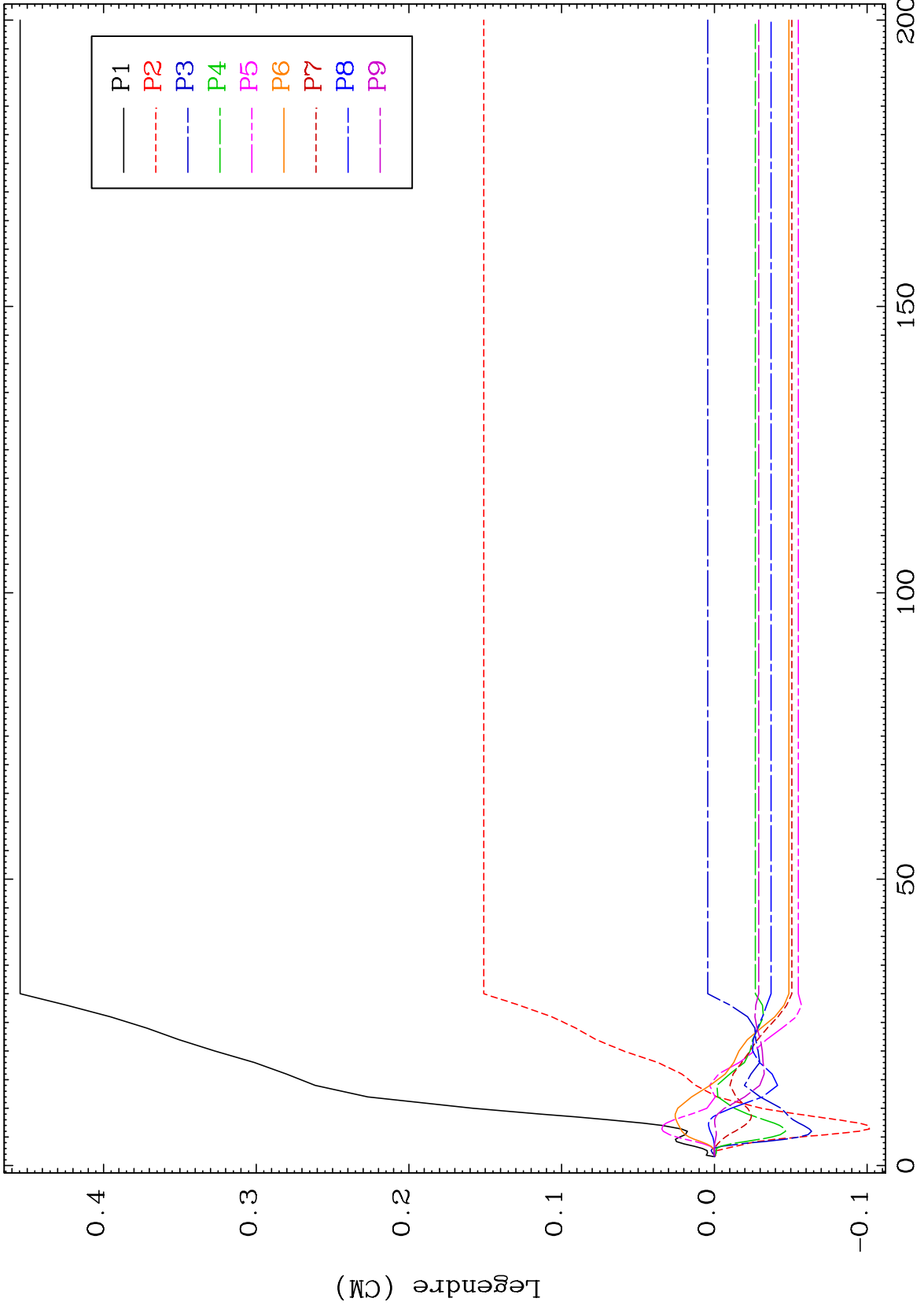
MAT 6034 MT= 78 (n,n') Level Legendre Coefficients 60-Nd-145



MAT 6034

MT= 79 (n,n') Level
Legendre Coefficients

60-Nd-145



130

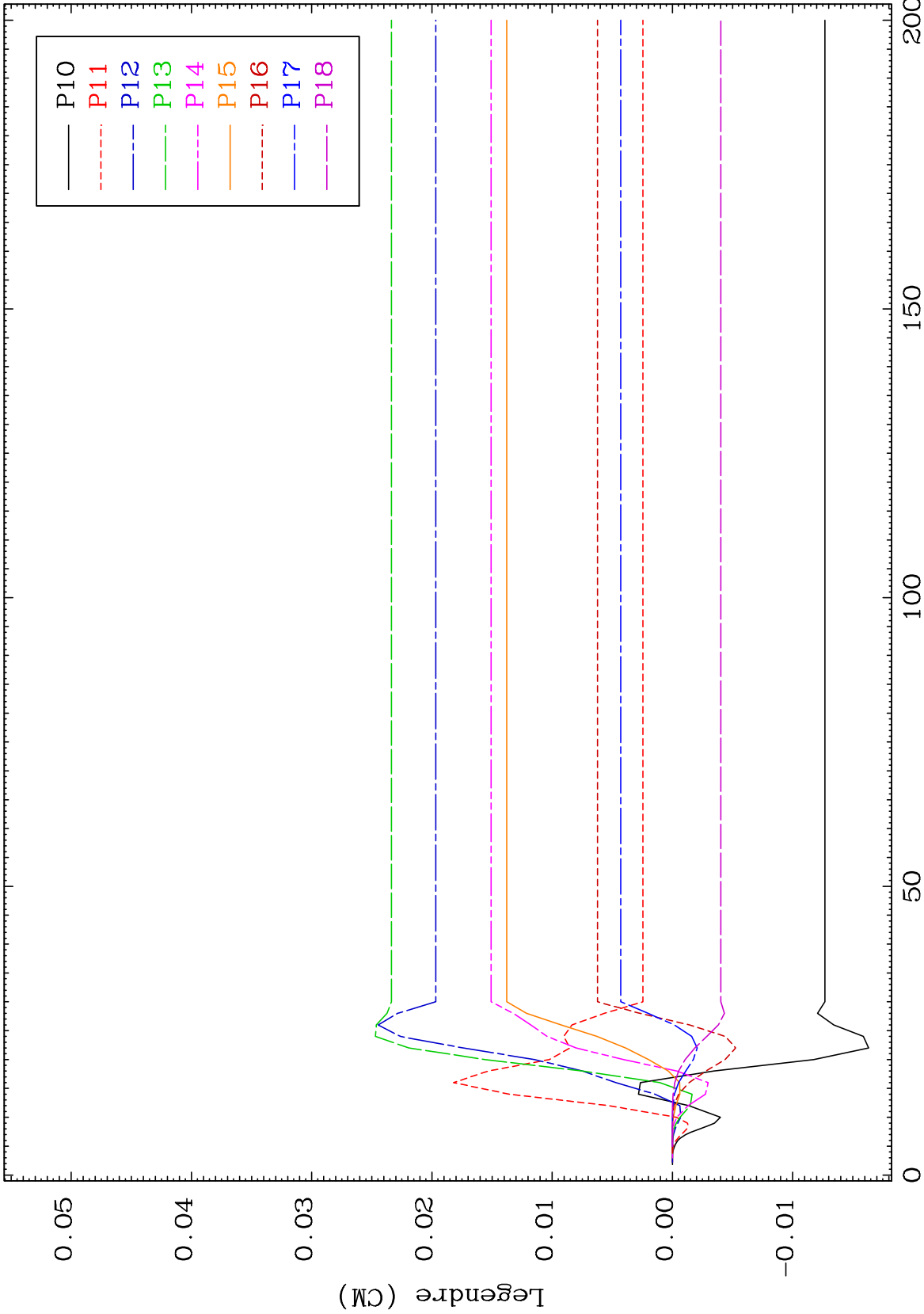
Incident Energy (MeV)

60-Nd-145

MAT 6034

MT= 79 (n,n') Level
Legendre Coefficients

60-Nd-145



131

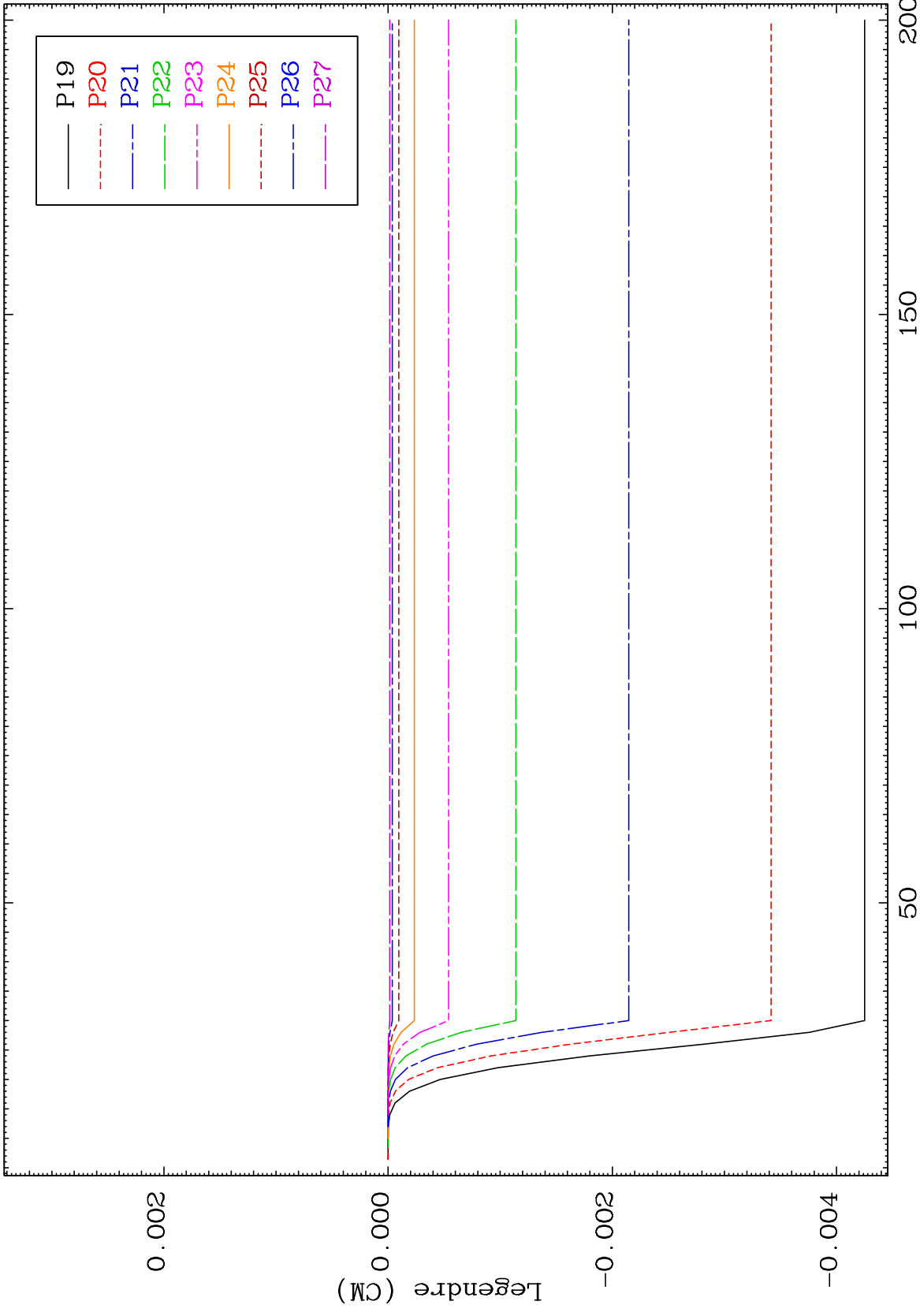
Incident Energy (MeV)

60-Nd-145

MAT 6034

MT= 79 (n,n') Level
Legendre Coefficients

60-Nd-145

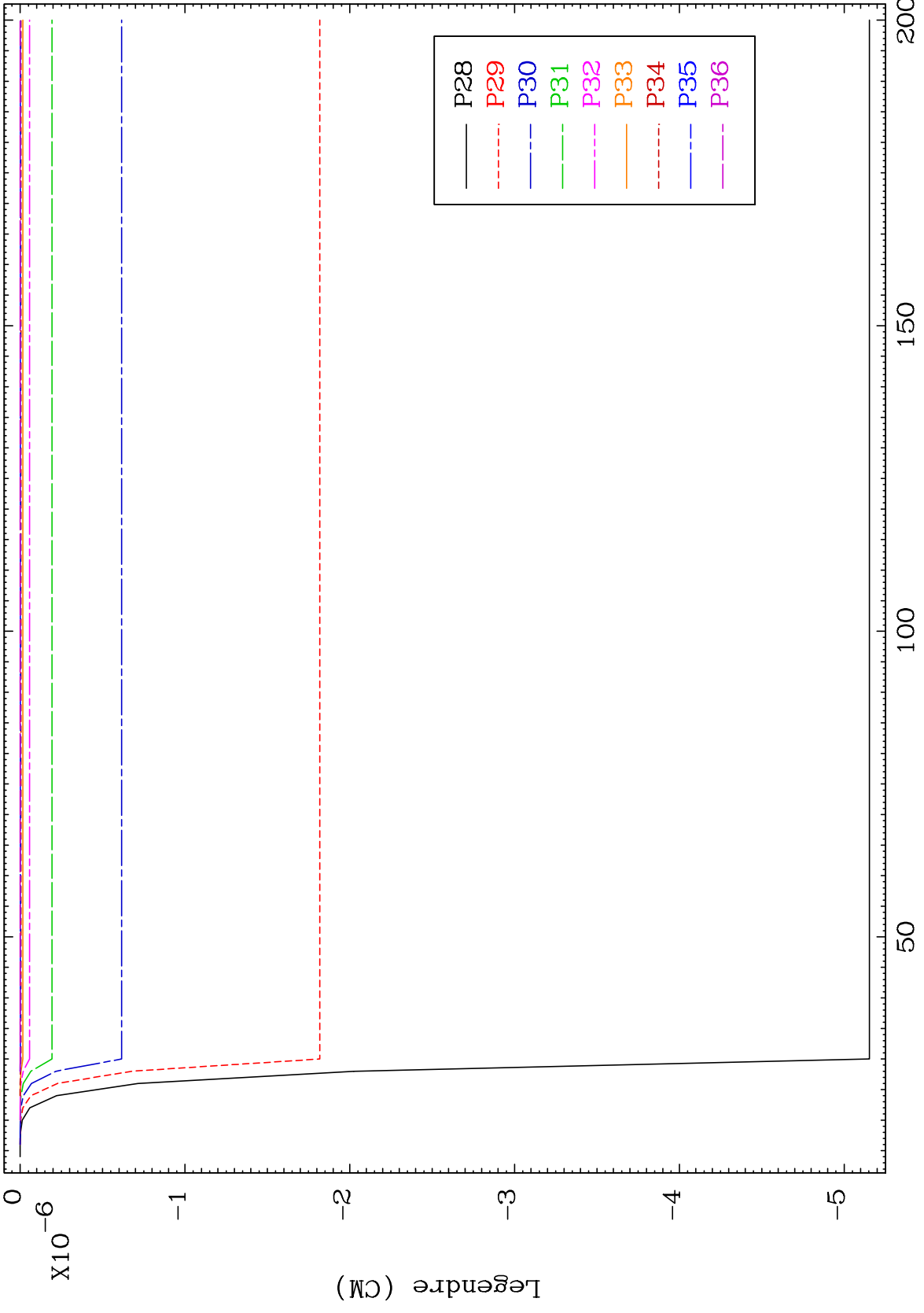


132

Incident Energy (MeV)

60-Nd-145

MAT 6034 MT= 79 (n,n') Level Legendre Coefficients 60-Nd-145



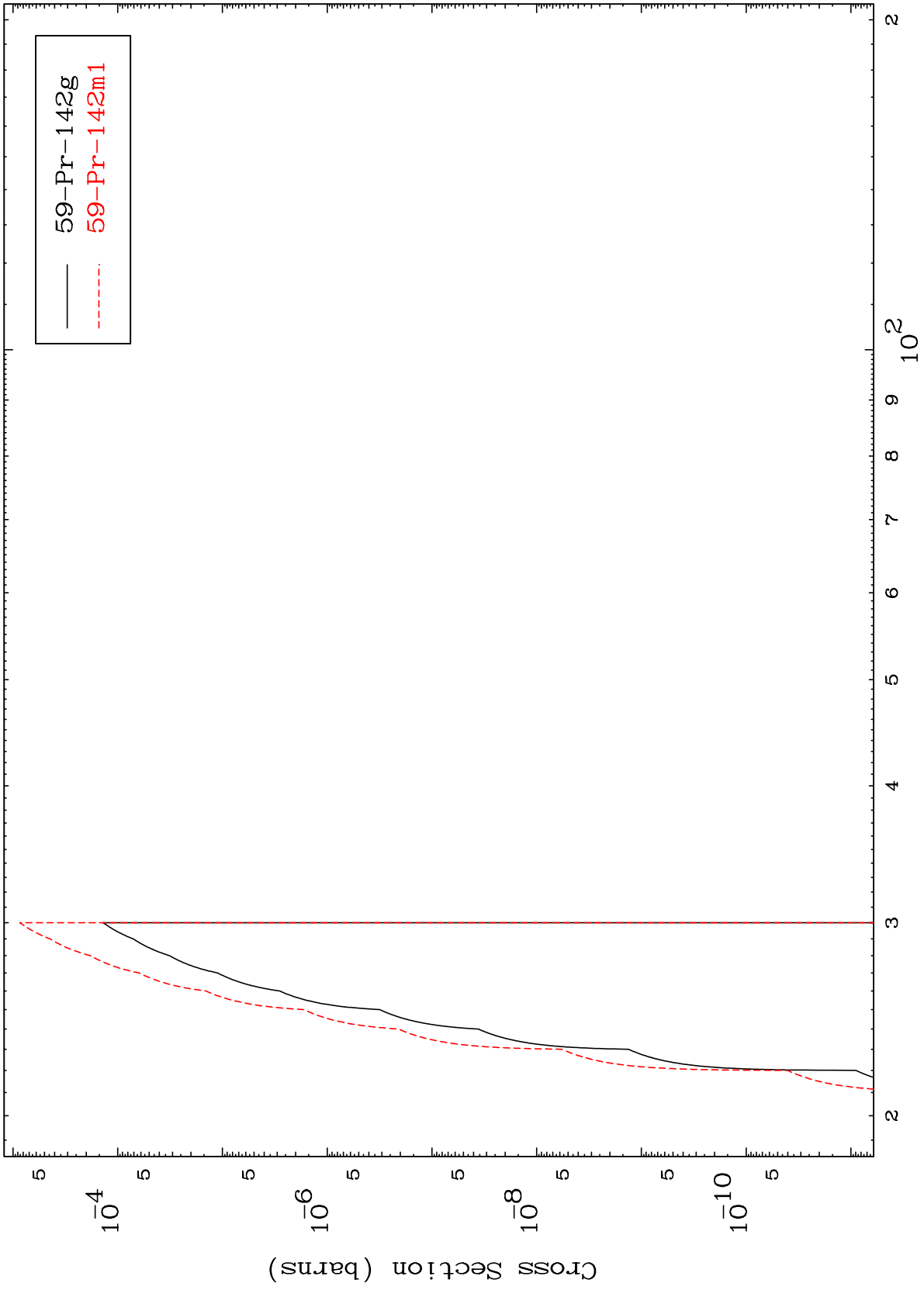
133 60-Nd-145

MAT 6034

(n,2n) d

60-Nd-145

Radionuclide Production Cross Section



134

Incident Energy (MeV)

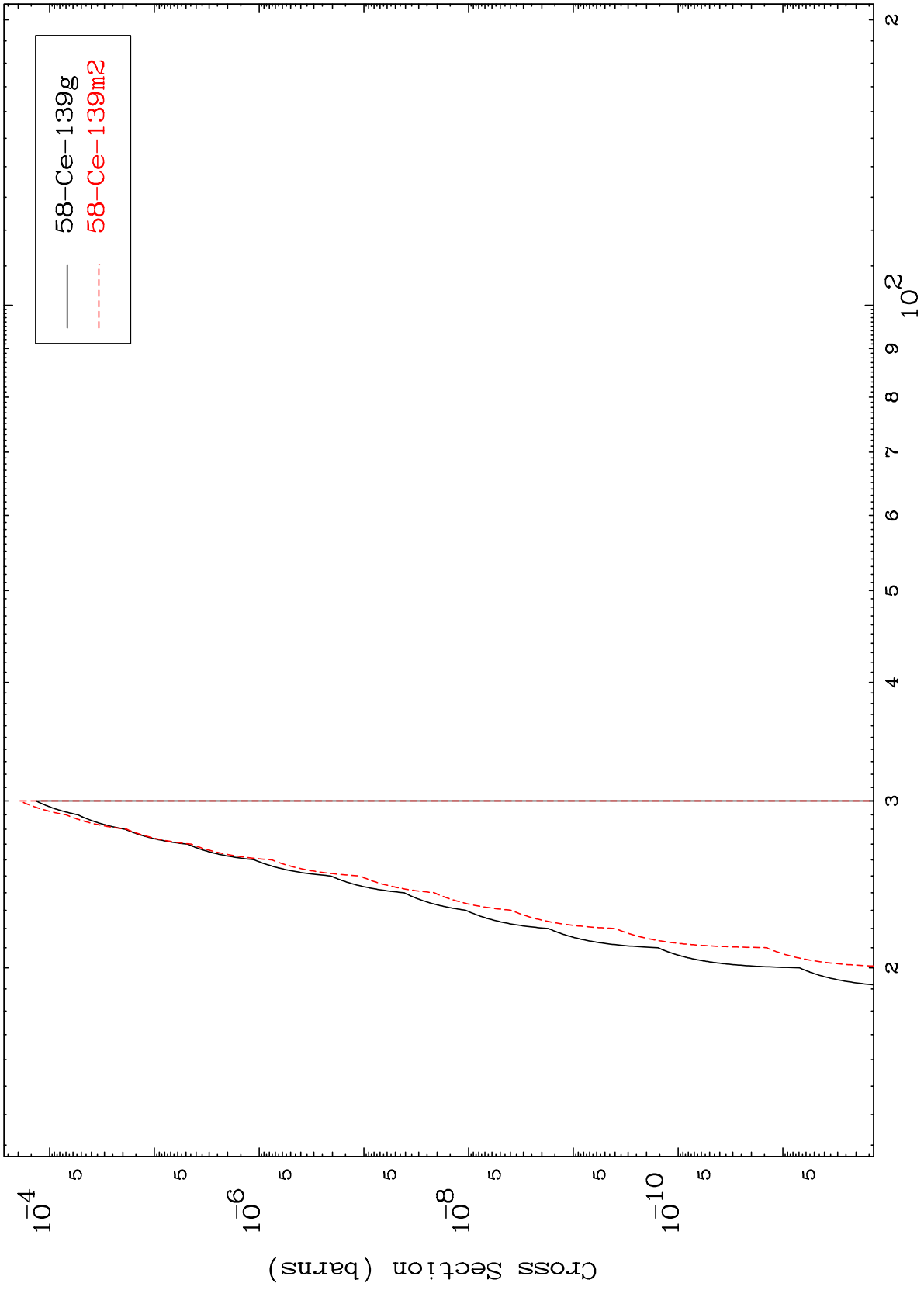
60-Nd-145

MAT 6034

(n,3n) α

$^{60}\text{Nd}-145$

Radionuclide Production Cross Section



135

Incident Energy (MeV)

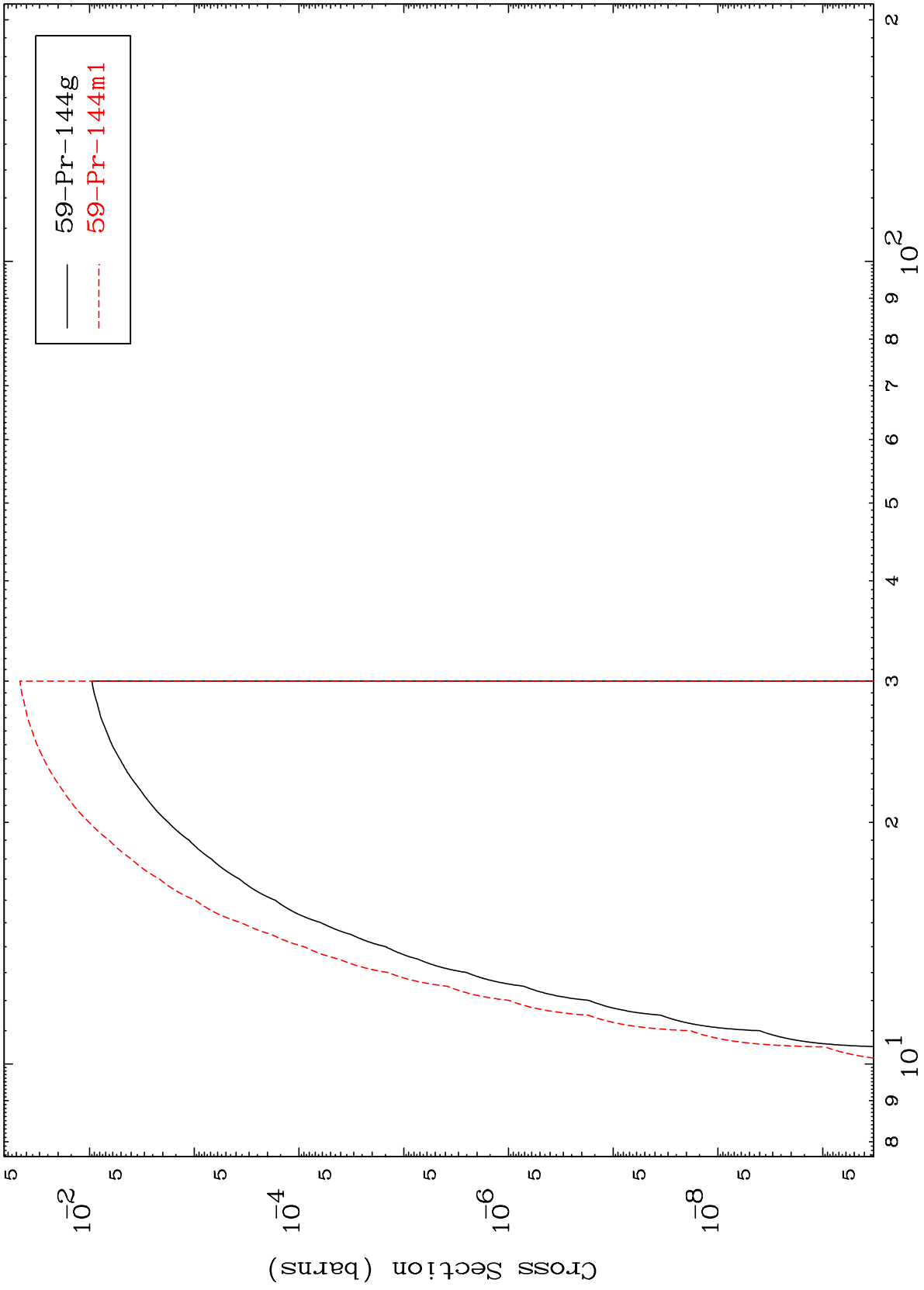
$^{60}\text{Nd}-145$

MAT 6034

(n,n') p

60-Nd-145

Radionuclide Production Cross Section



136

Incident Energy (MeV)

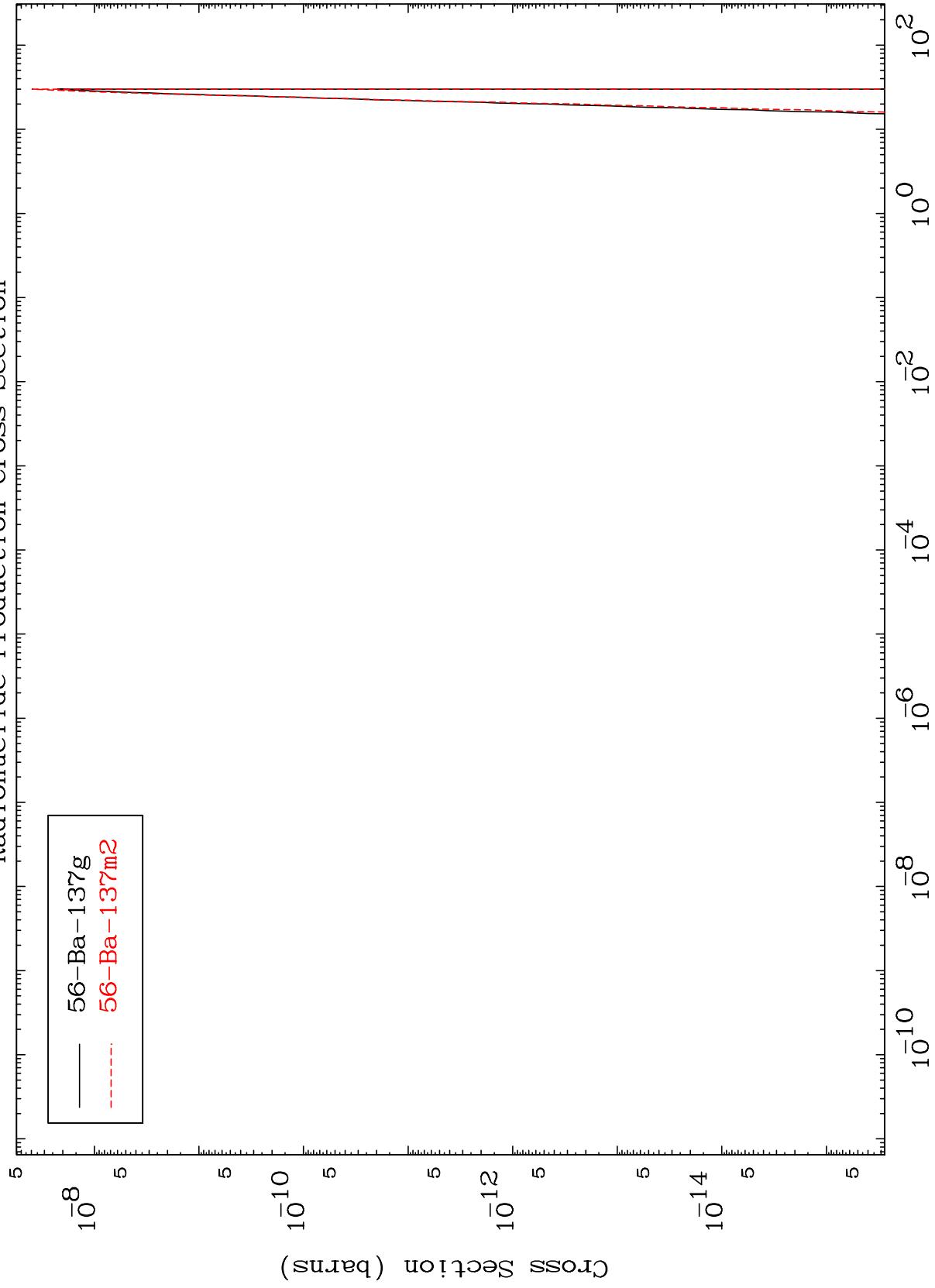
60-Nd-145

MAT 6034

(n,n') 2 α

60-Nd-145

Radionuclide Production Cross Section



137

Incident Energy (MeV)

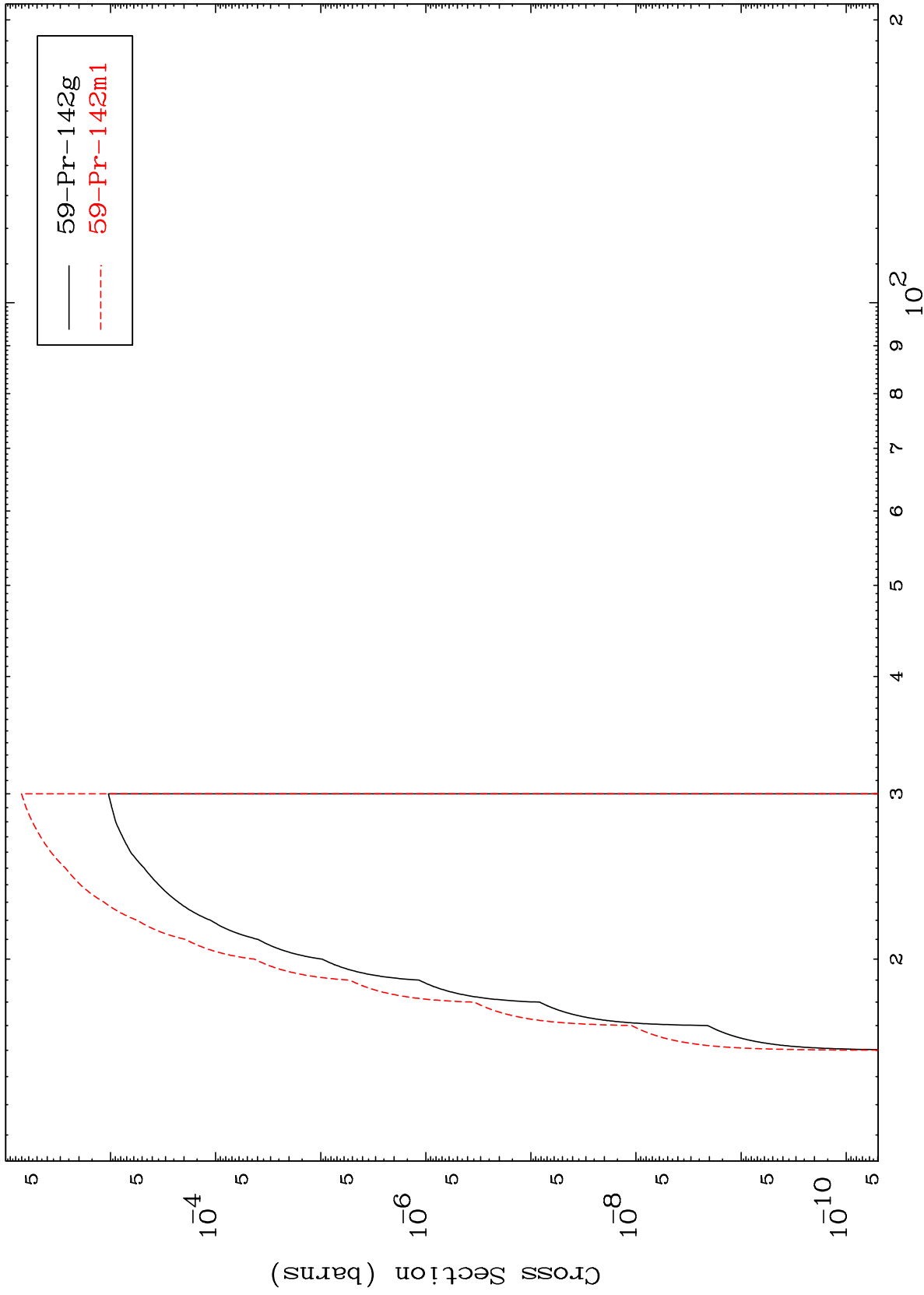
60-Nd-145

MAT 6034

(n,n') t

⁶⁰Nd-145

Radionuclide Production Cross Section



138

Incident Energy (MeV)

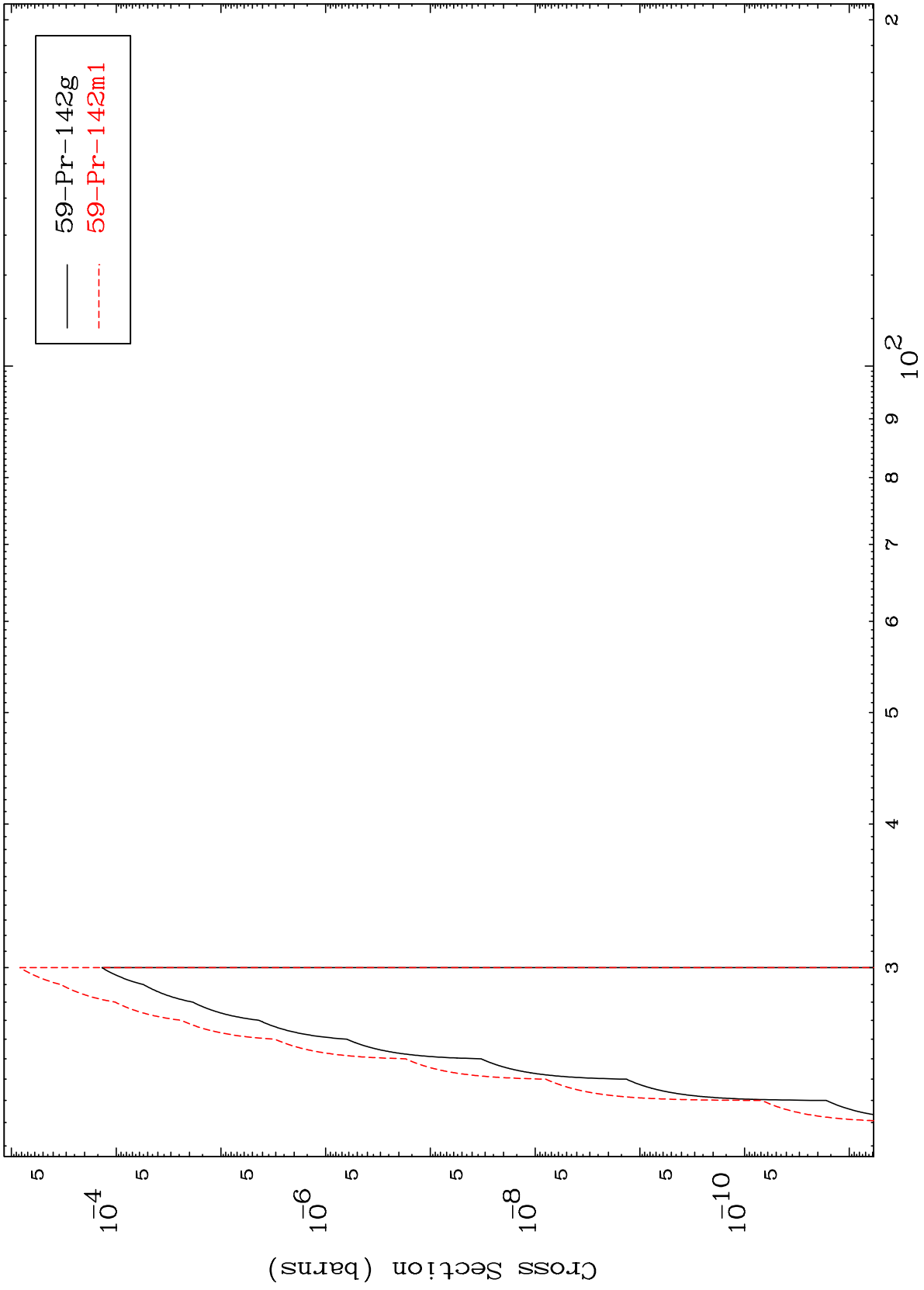
⁶⁰Nd-145

MAT 6034

(n,3n) p

⁶⁰Nd-145

Radionuclide Production Cross Section



139

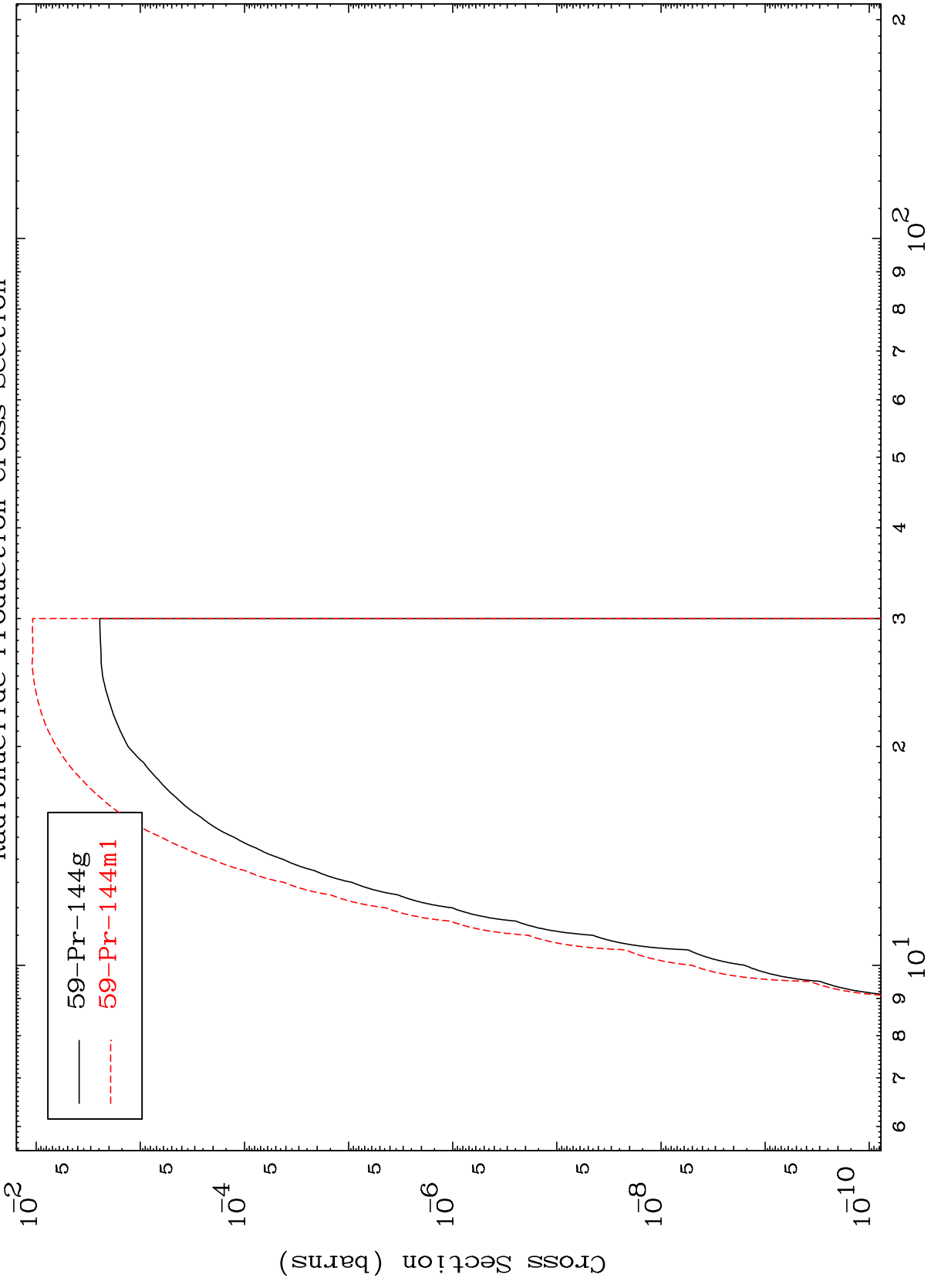
Incident Energy (MeV)

⁶⁰Nd-145

MAT 6034

60-Nd-145

Radionuclide Production Cross Section (n,d)



140

Incident Energy (MeV)

60-Nd-145