

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

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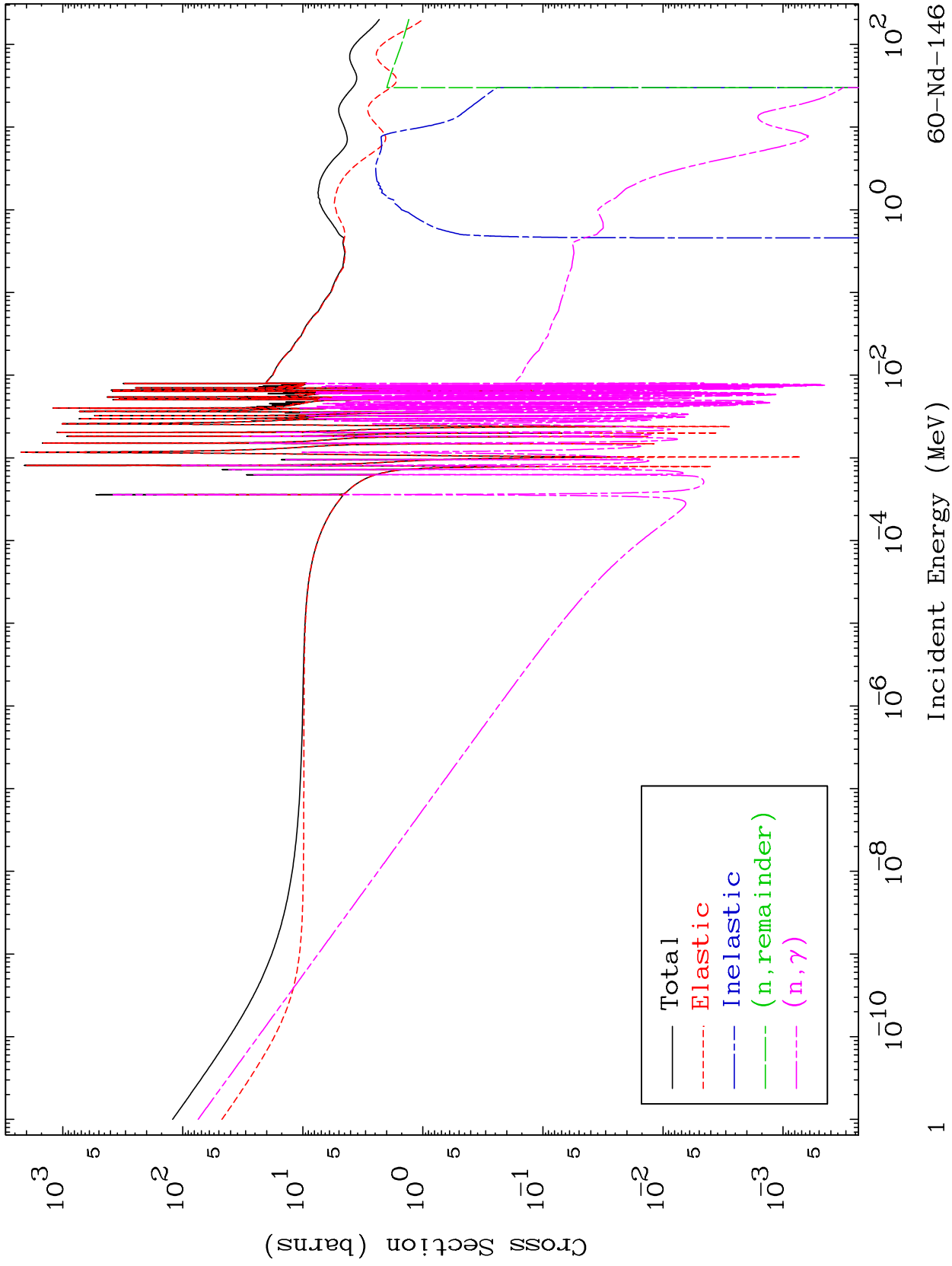
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6037

Major
293 Kelvin Cross Sections

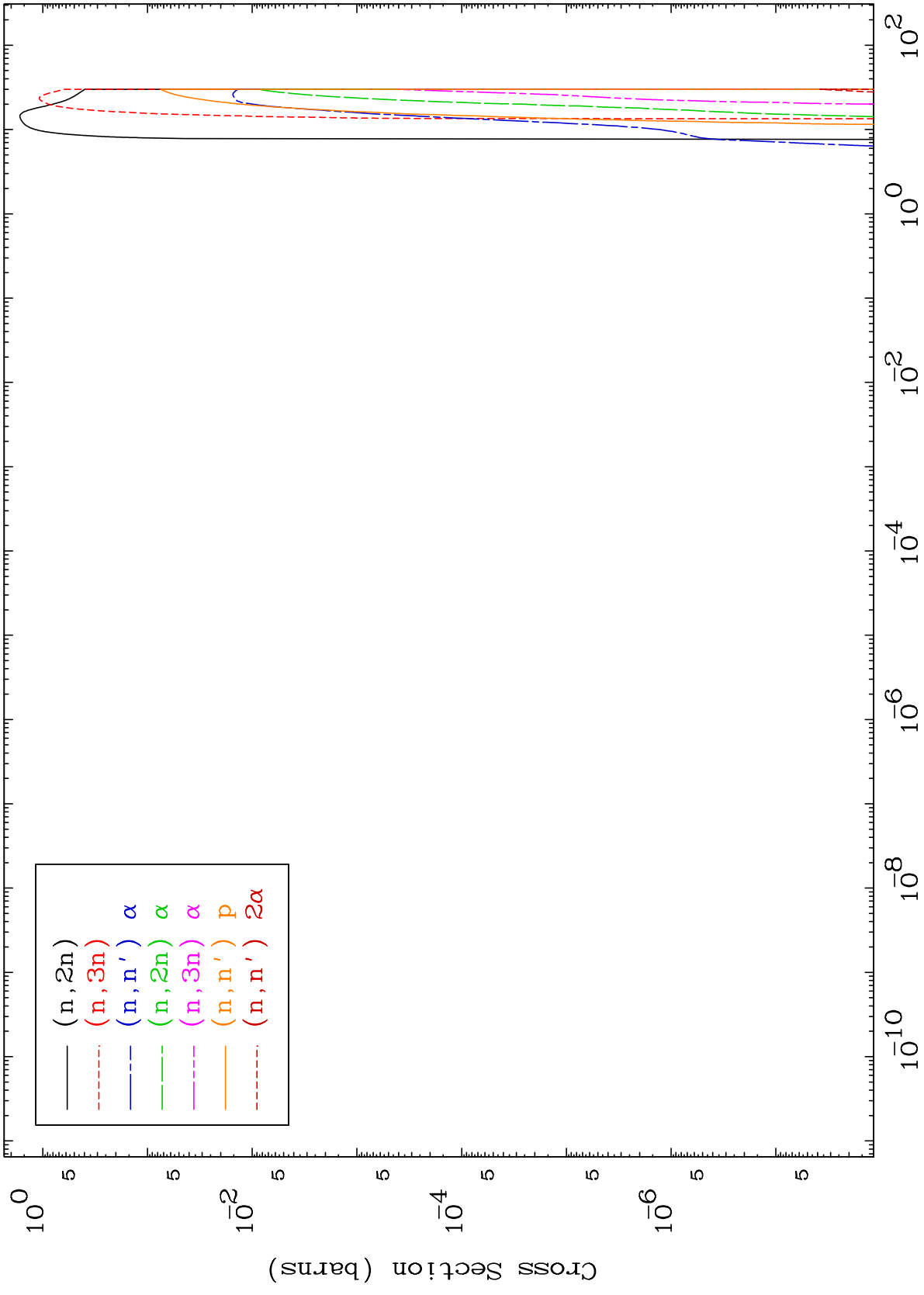
60-Nd-146



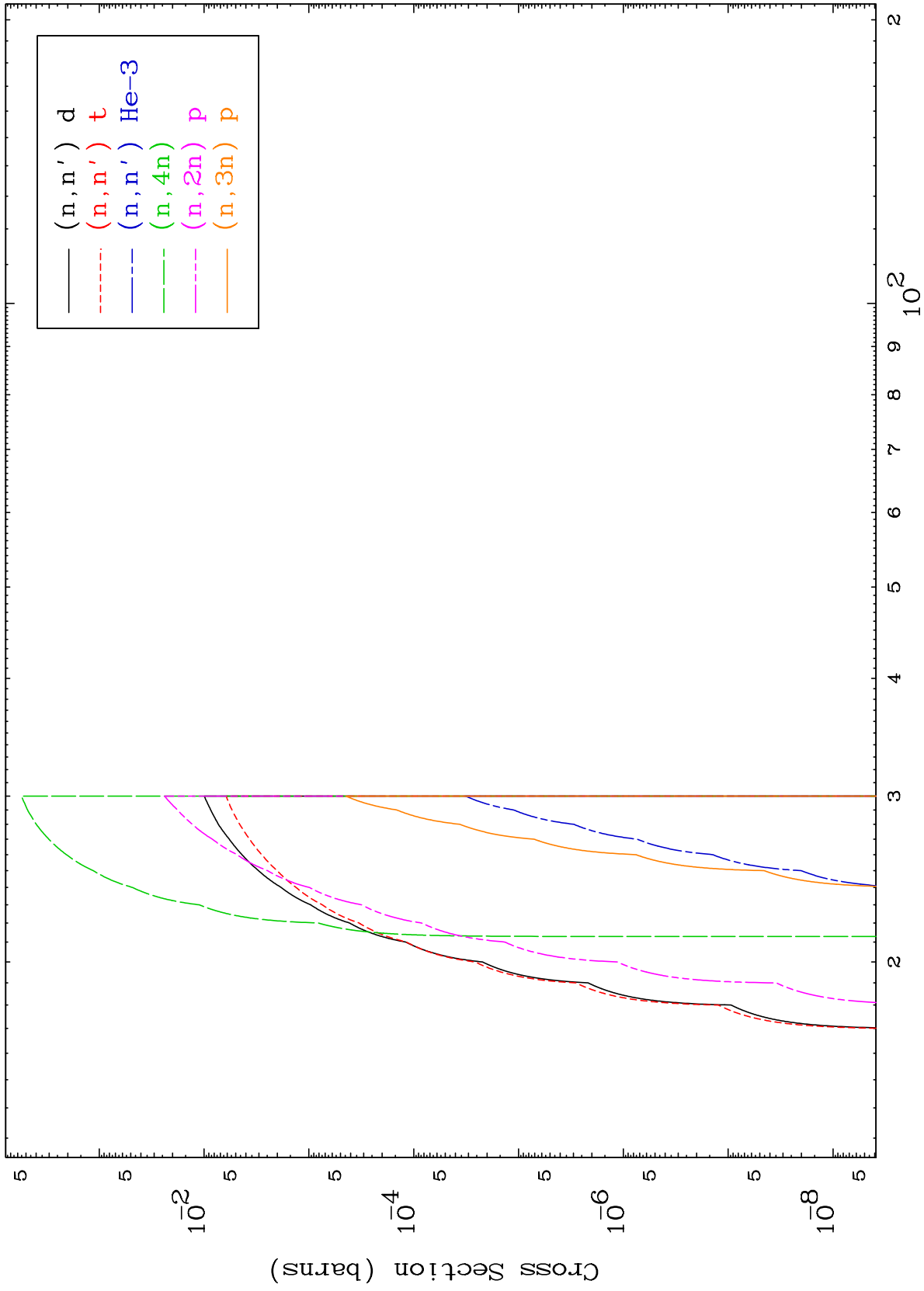
MAT 6037

Neutron Production
293 Kelvin Cross Sections

60-Nd-146



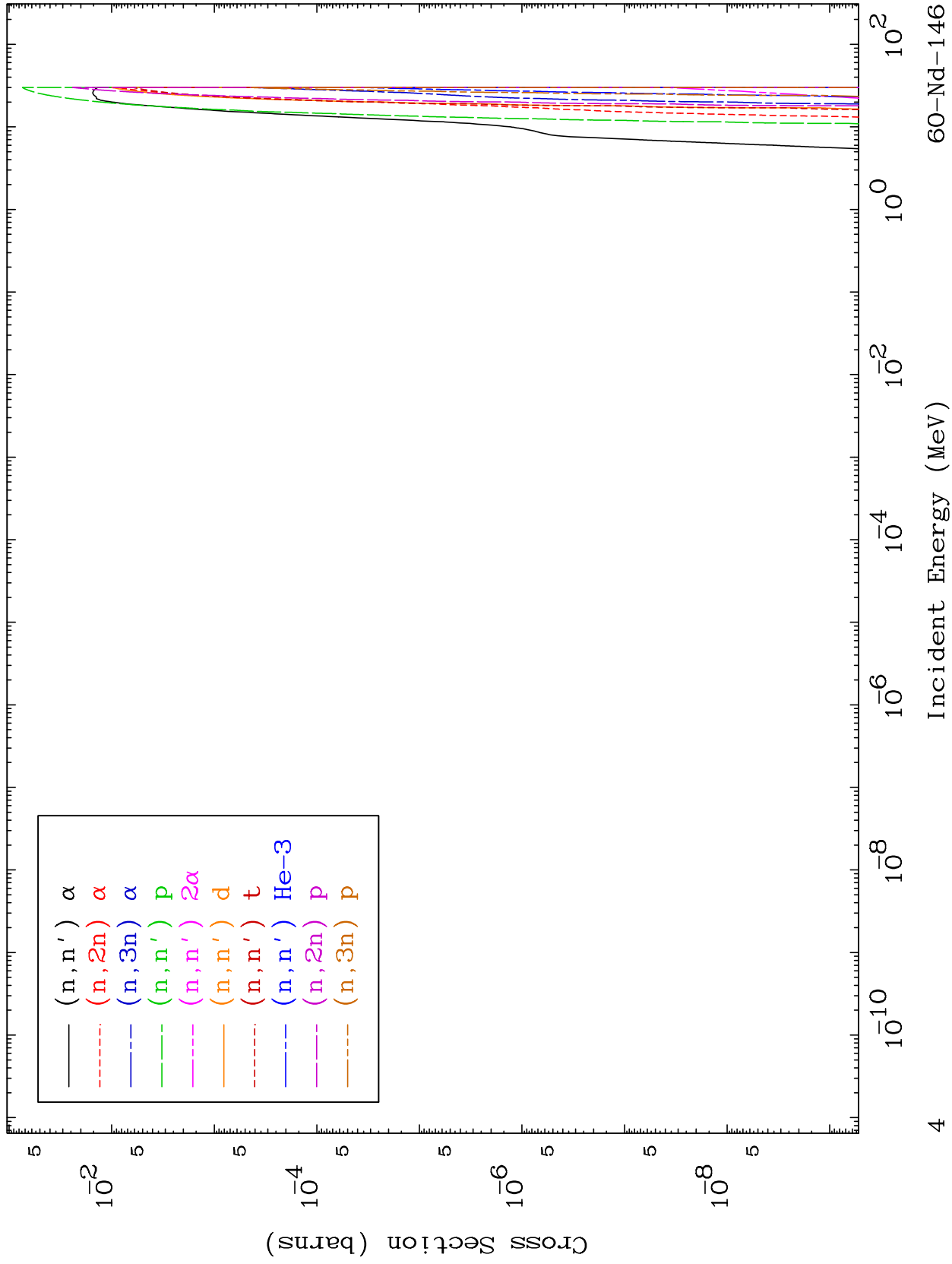
60-Nd-146



MAT 6037

Charged Particle
293 Kelvin Cross Sections

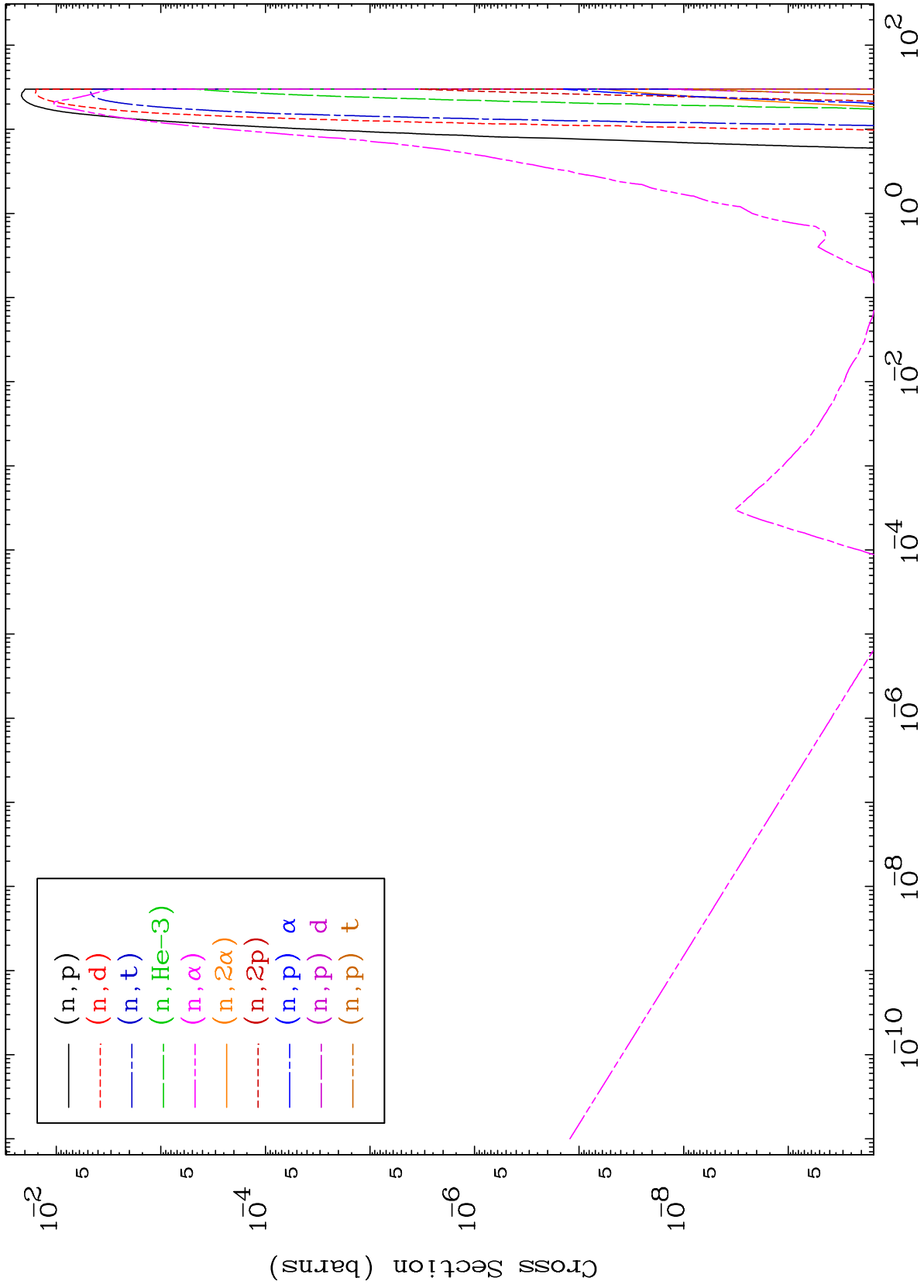
60-Nd-146



MAT 6037

293 Charged Particle
Kelvin Cross Sections

60-Nd-146



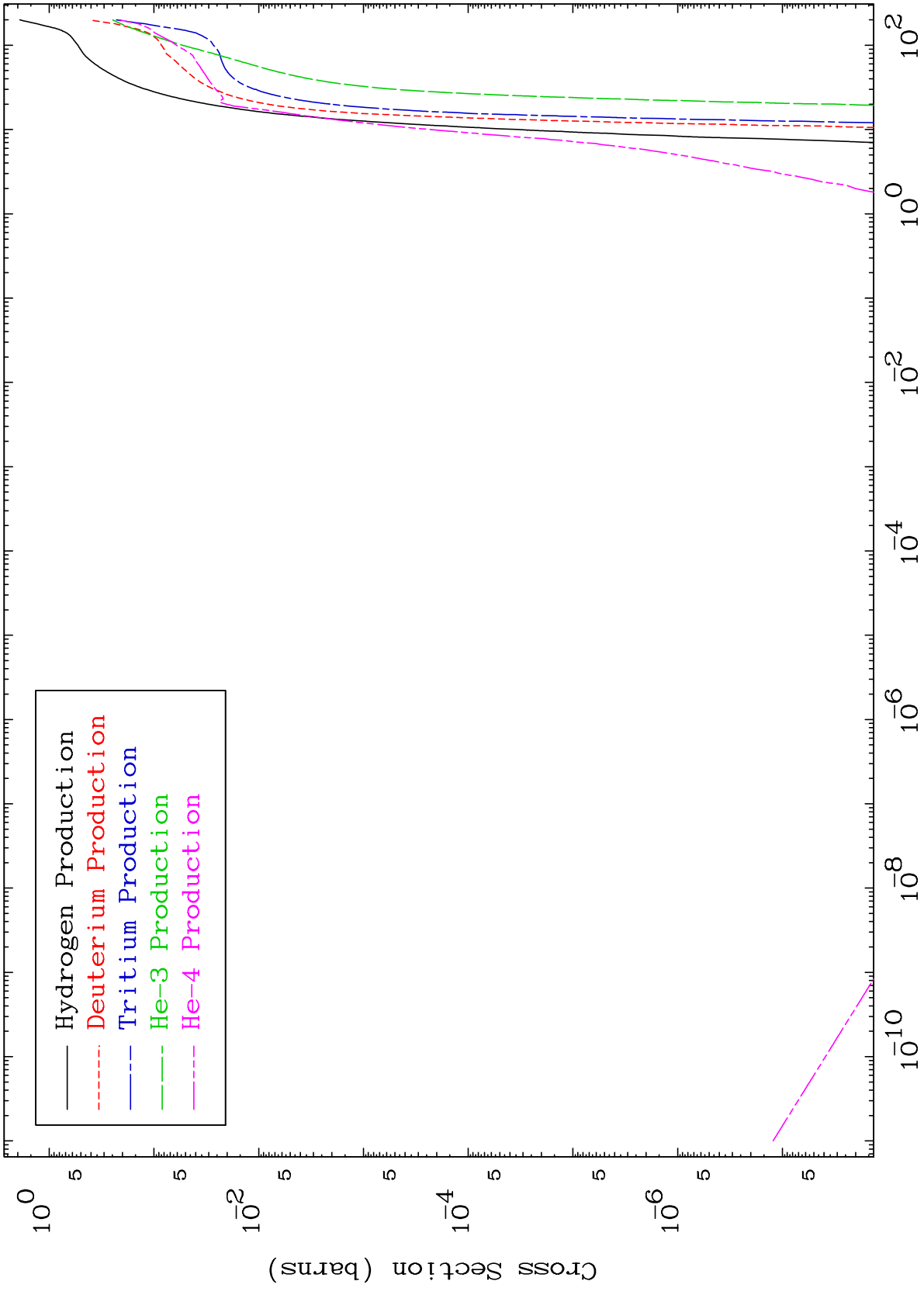
5

60-Nd-146

MAT 6037

Particle Production
293 Kelvin Cross Sections

60-Nd-146



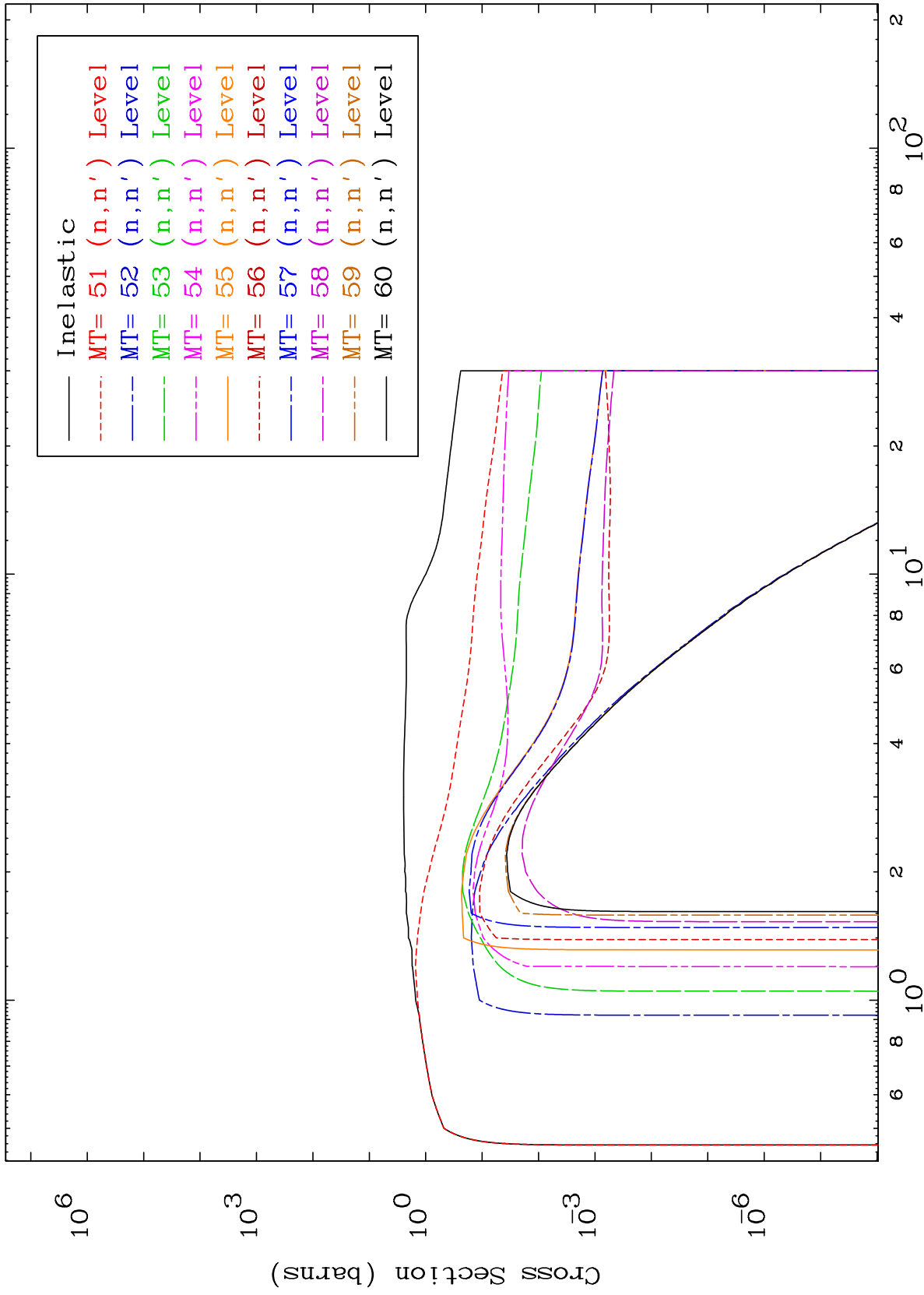
60-Nd-146

MAT 6037

(n,n') Level

60-Nd-146

293 Kelvin Cross Sections



7

Incident Energy (MeV)

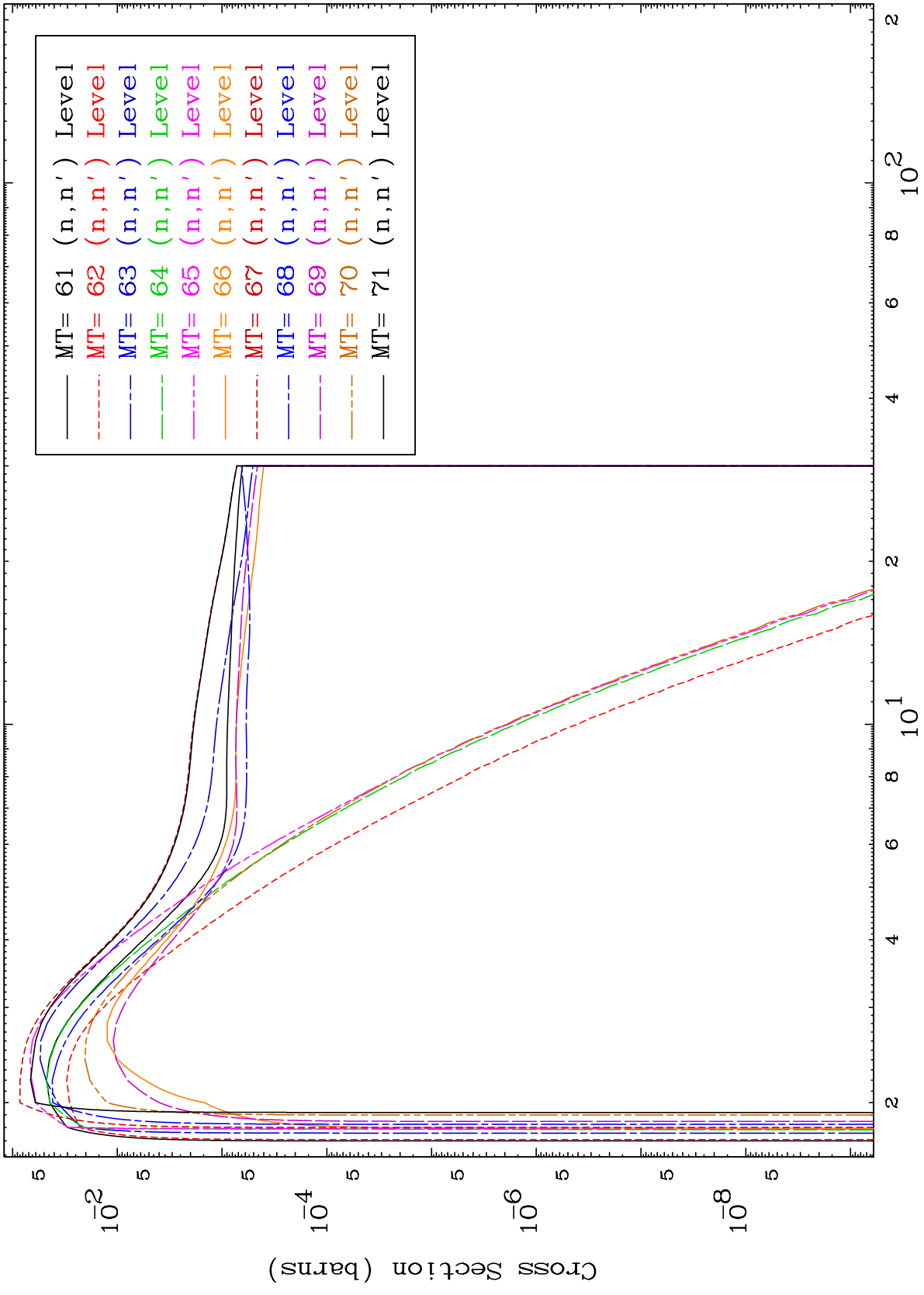
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MAT 6037

(n,n') Level

60-Nd-146

293 Kelvin Cross Sections



8

Incident Energy (MeV)

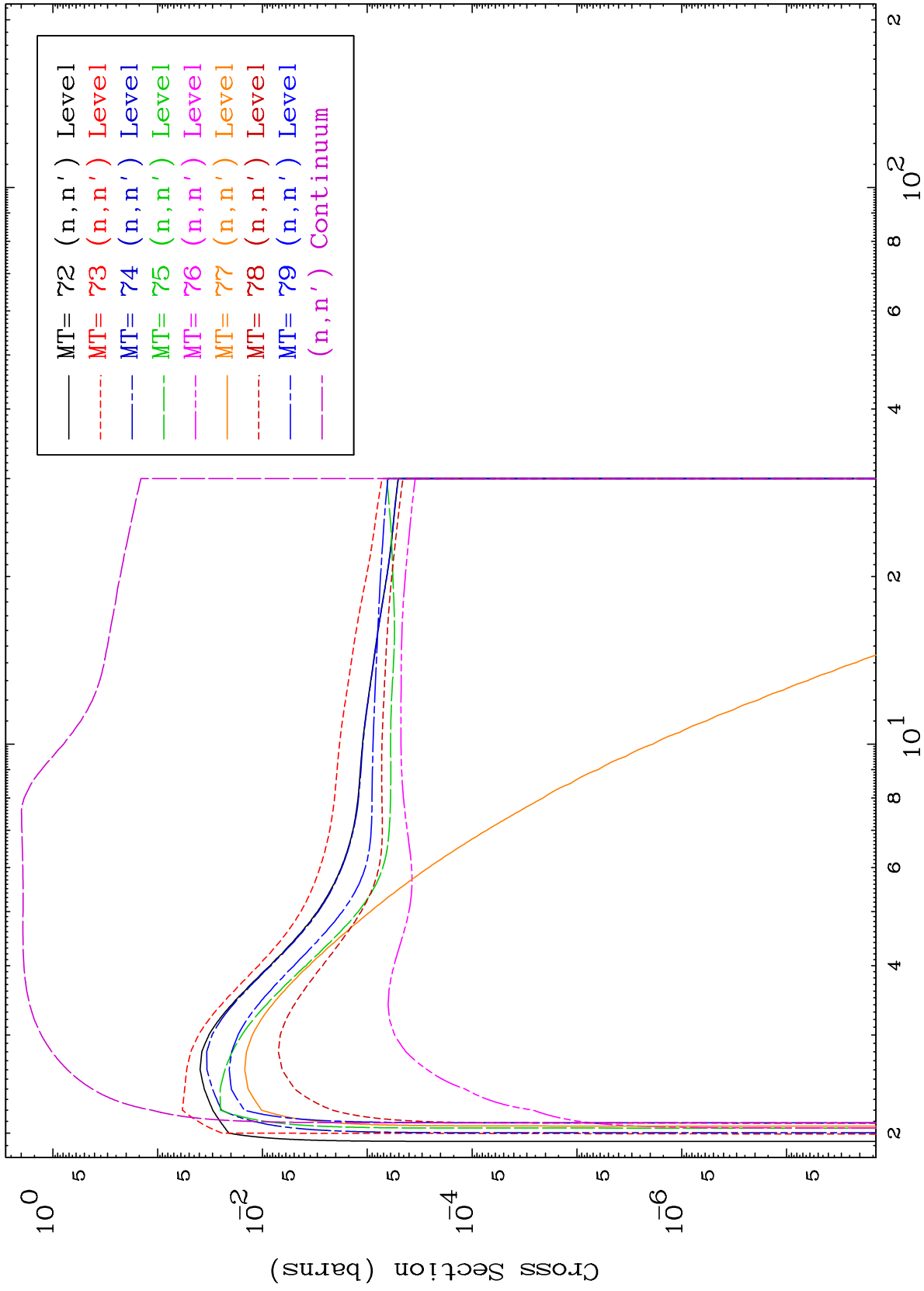
60-Nd-146

MAT 6037

(n,n') Level

60-Nd-146

293 Kelvin Cross Sections



9

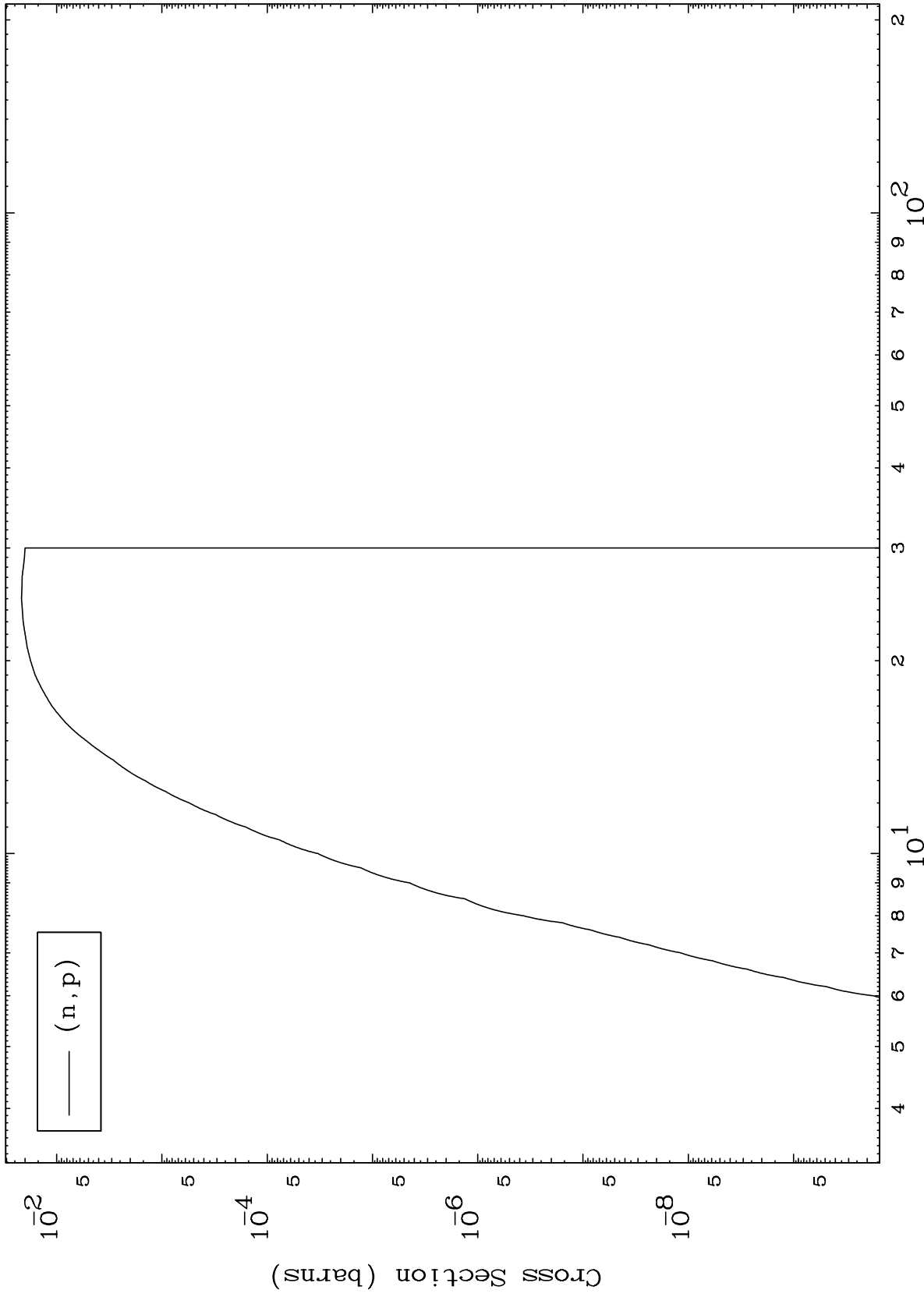
Incident Energy (MeV)

60-Nd-146

MAT 6037

(n,p) Levels
293 Kelvin Cross Sections

60-Nd-146



10

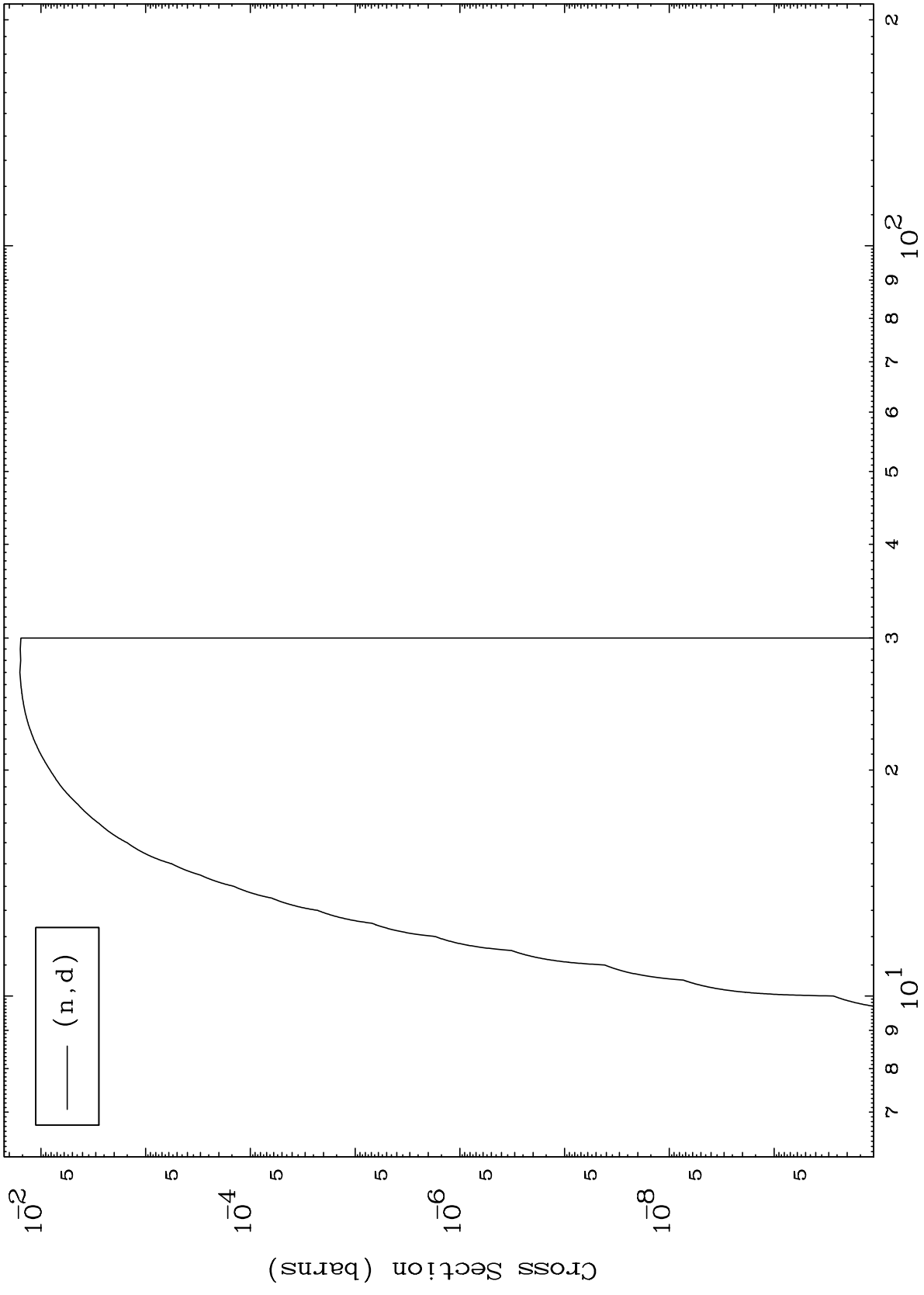
Incident Energy (MeV)

60-Nd-146

MAT 6037

(n,d) Levels
293 Kelvin Cross Sections

60-Nd-146



11

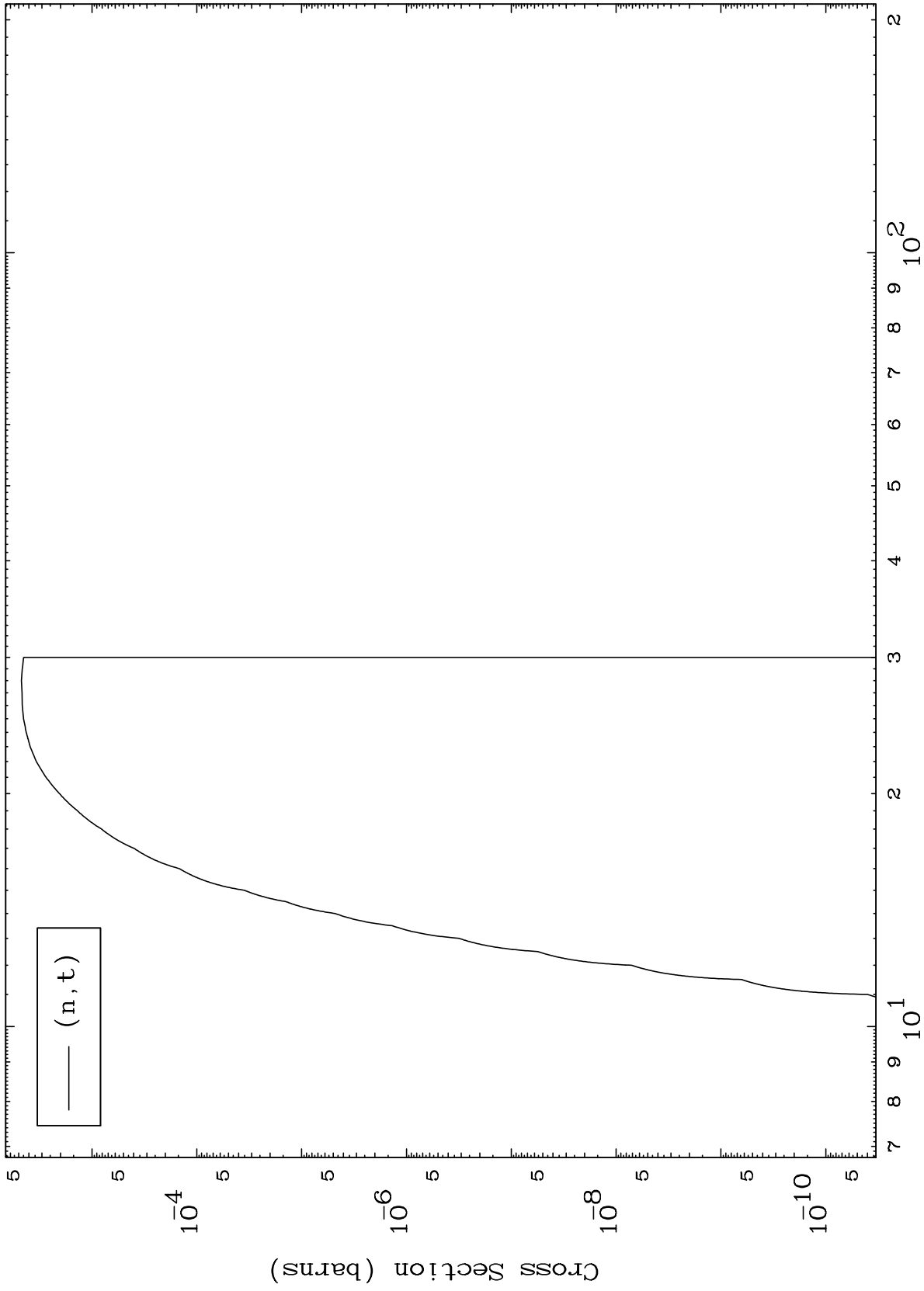
Incident Energy (MeV)

60-Nd-146

MAT 6037

(n,t) Levels
293 Kelvin Cross Sections

60-Nd-146



12

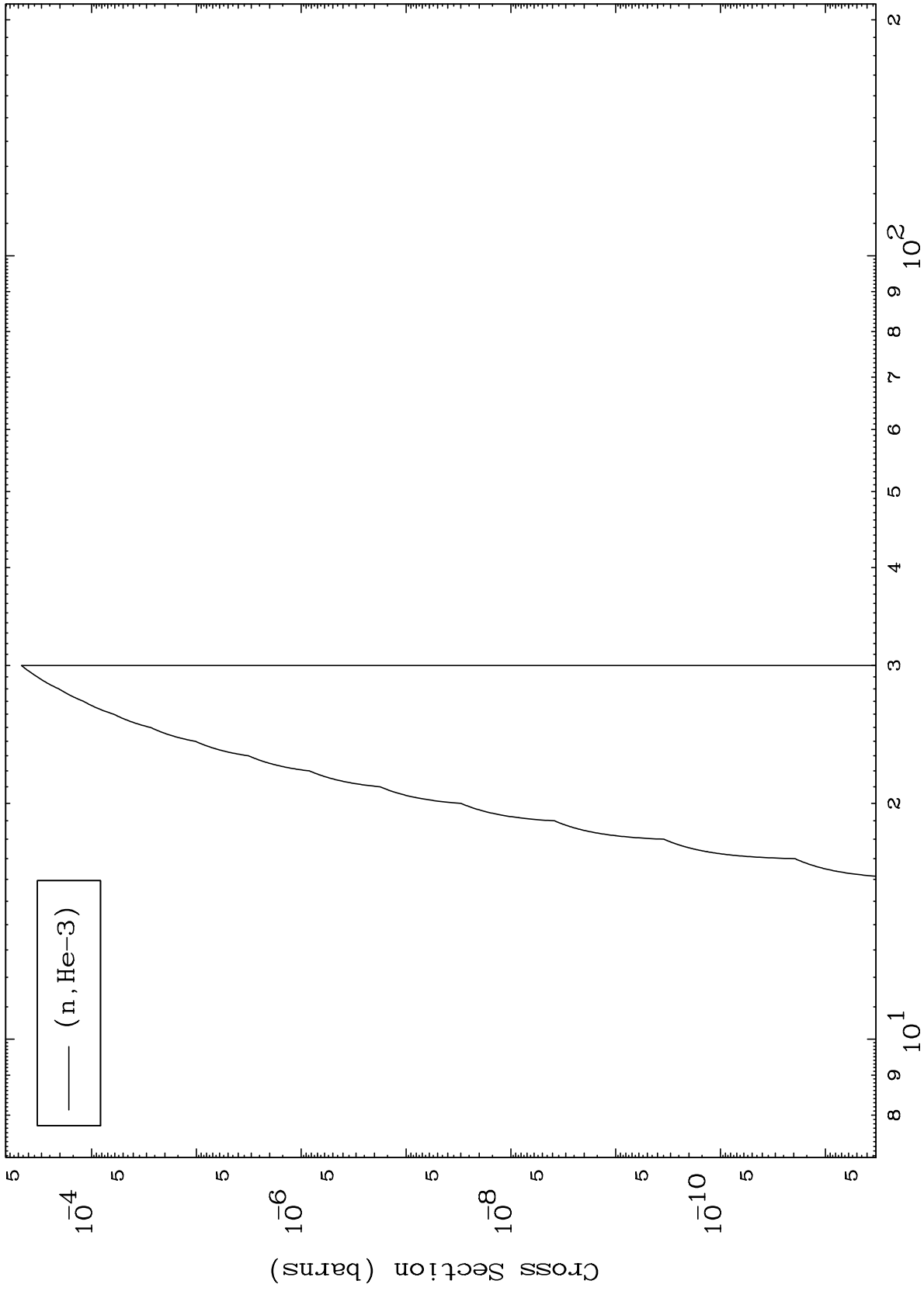
Incident Energy (MeV)

60-Nd-146

MAT 6037

(n,He3) Levels
293 Kelvin Cross Sections

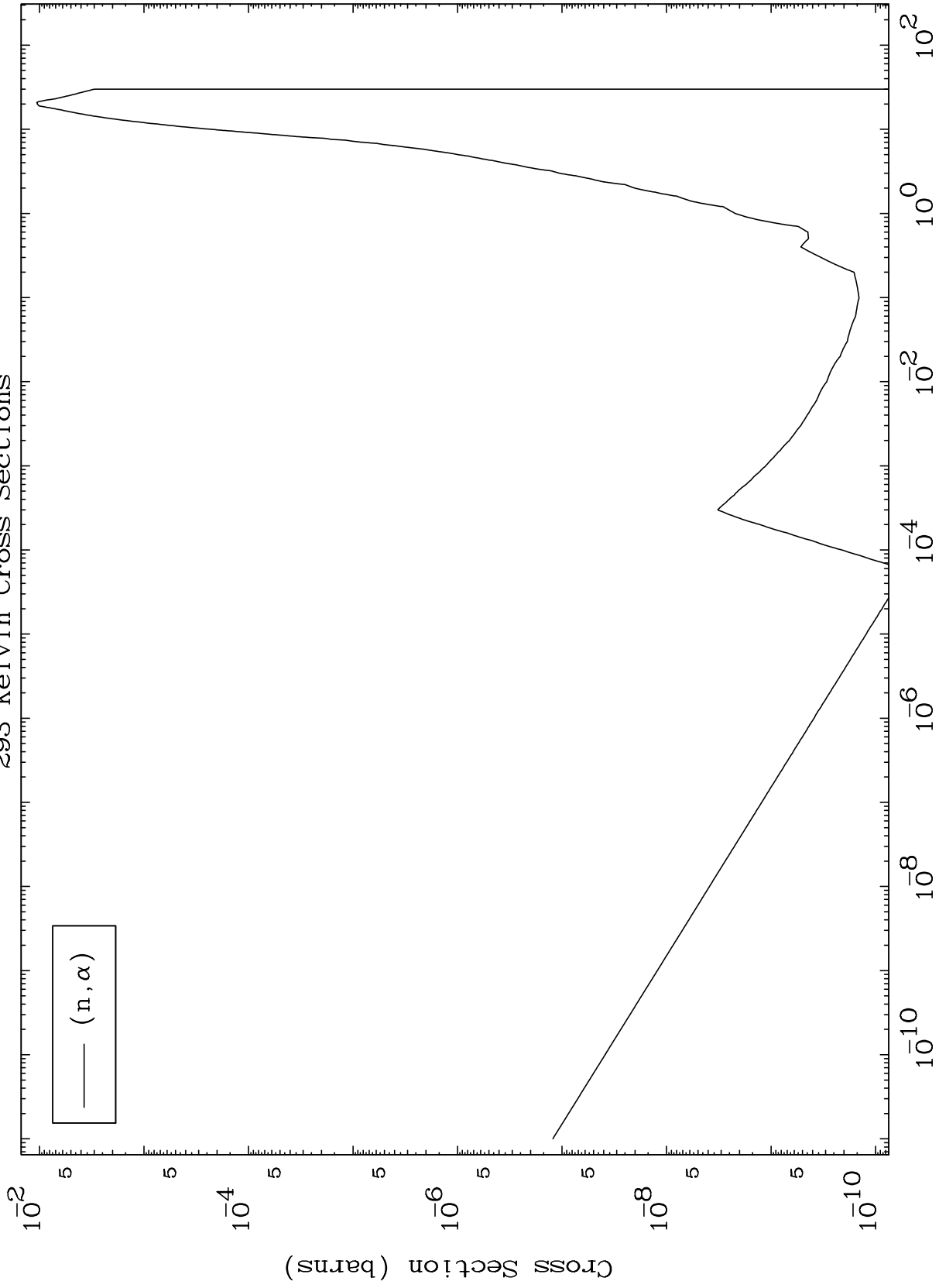
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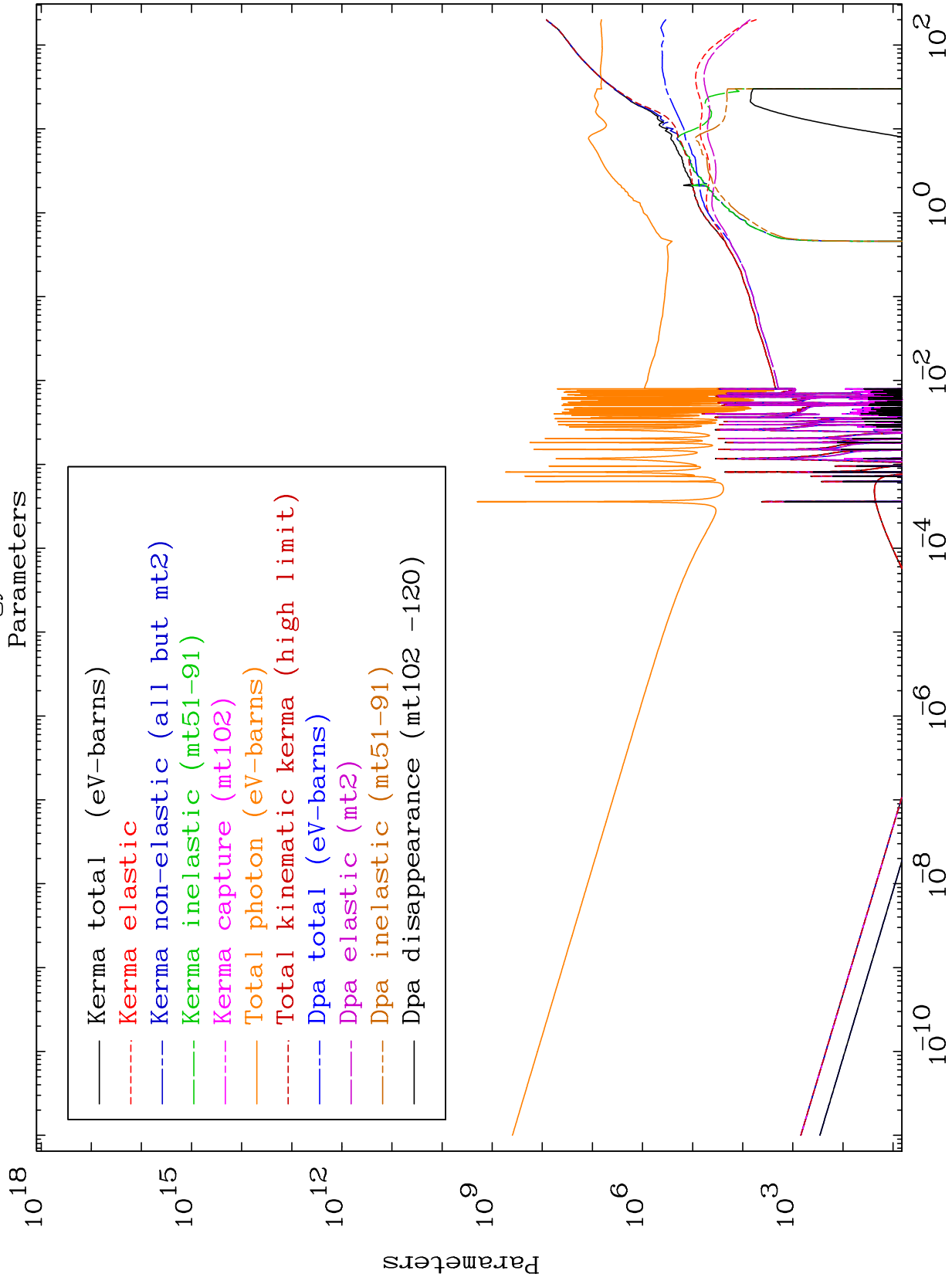


MAT 6037

(n, α) Levels
293 Kelvin Cross Sections

60-Nd-146

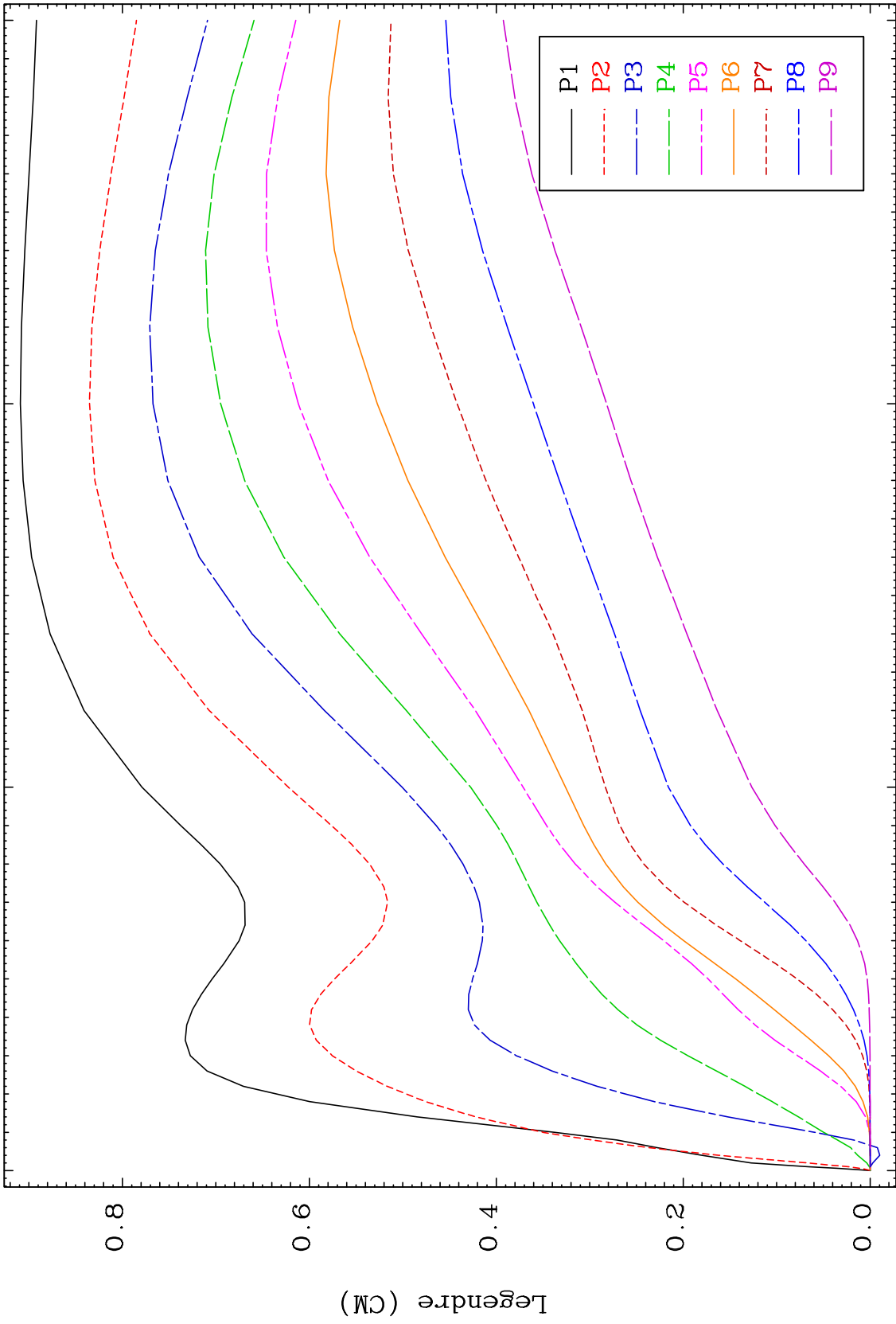




MAT 6037

Elastic Legendre Coefficients

$^{60}\text{Nd-146}$



16

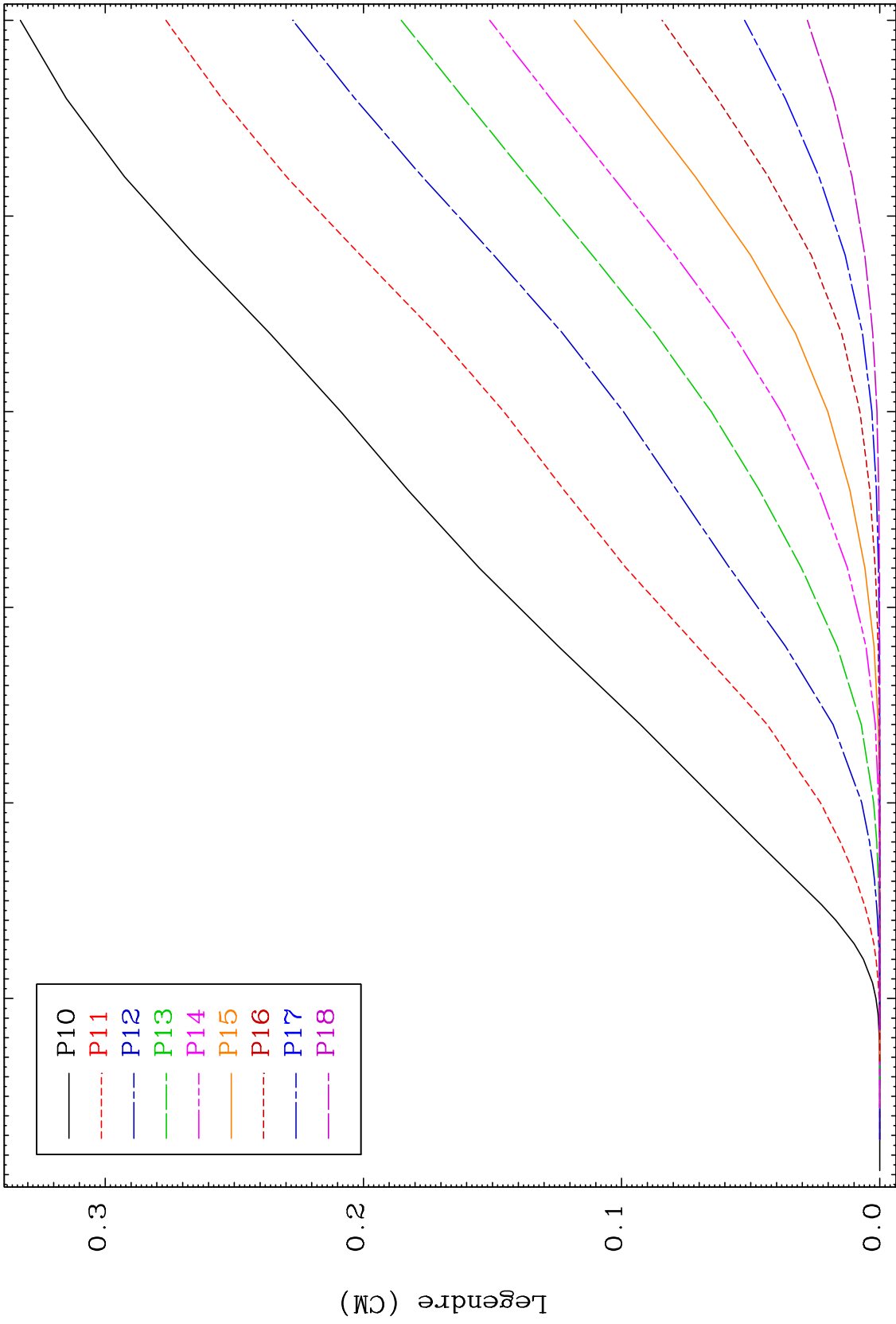
Incident Energy (MeV)

$^{60}\text{Nd-146}$

MAT 6037

Elastic Legendre Coefficients

60-Nd-146



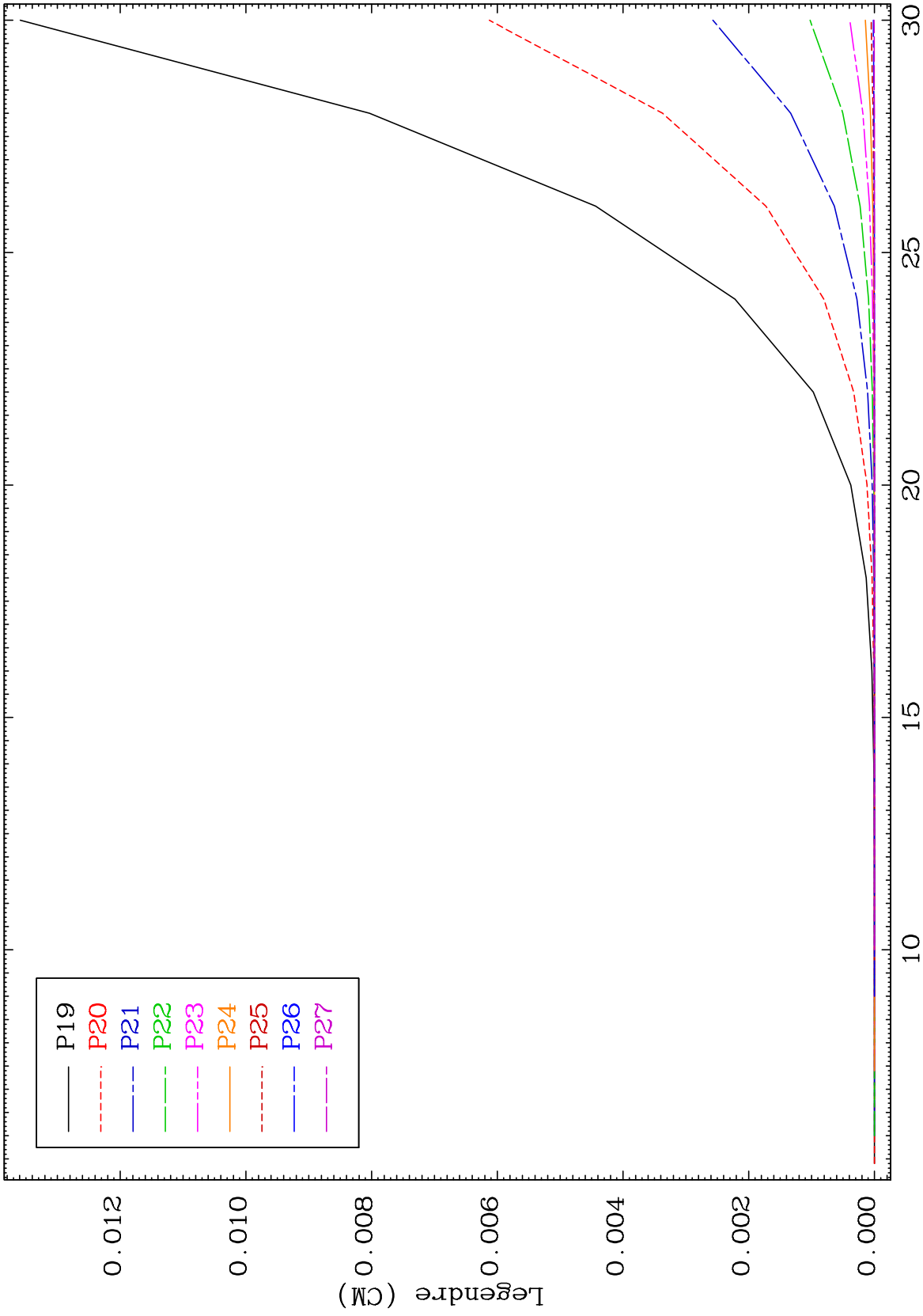
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60-Nd-146

MAT 6037

Elastic Legendre Coefficients

60-Nd-146



18

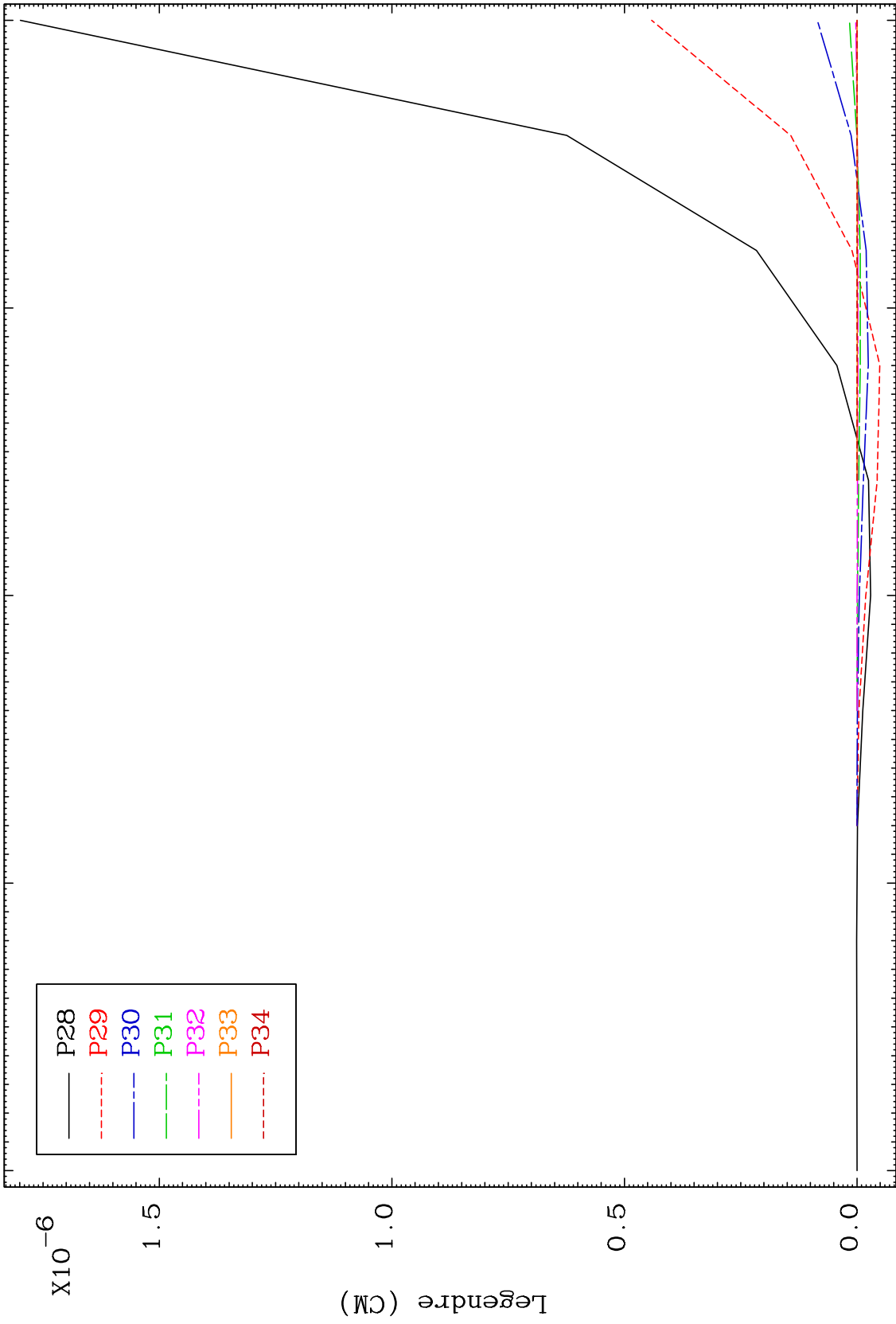
Incident Energy (MeV)

60-Nd-146

MAT 6037

Elastic Legendre Coefficients

60-Nd-146



19

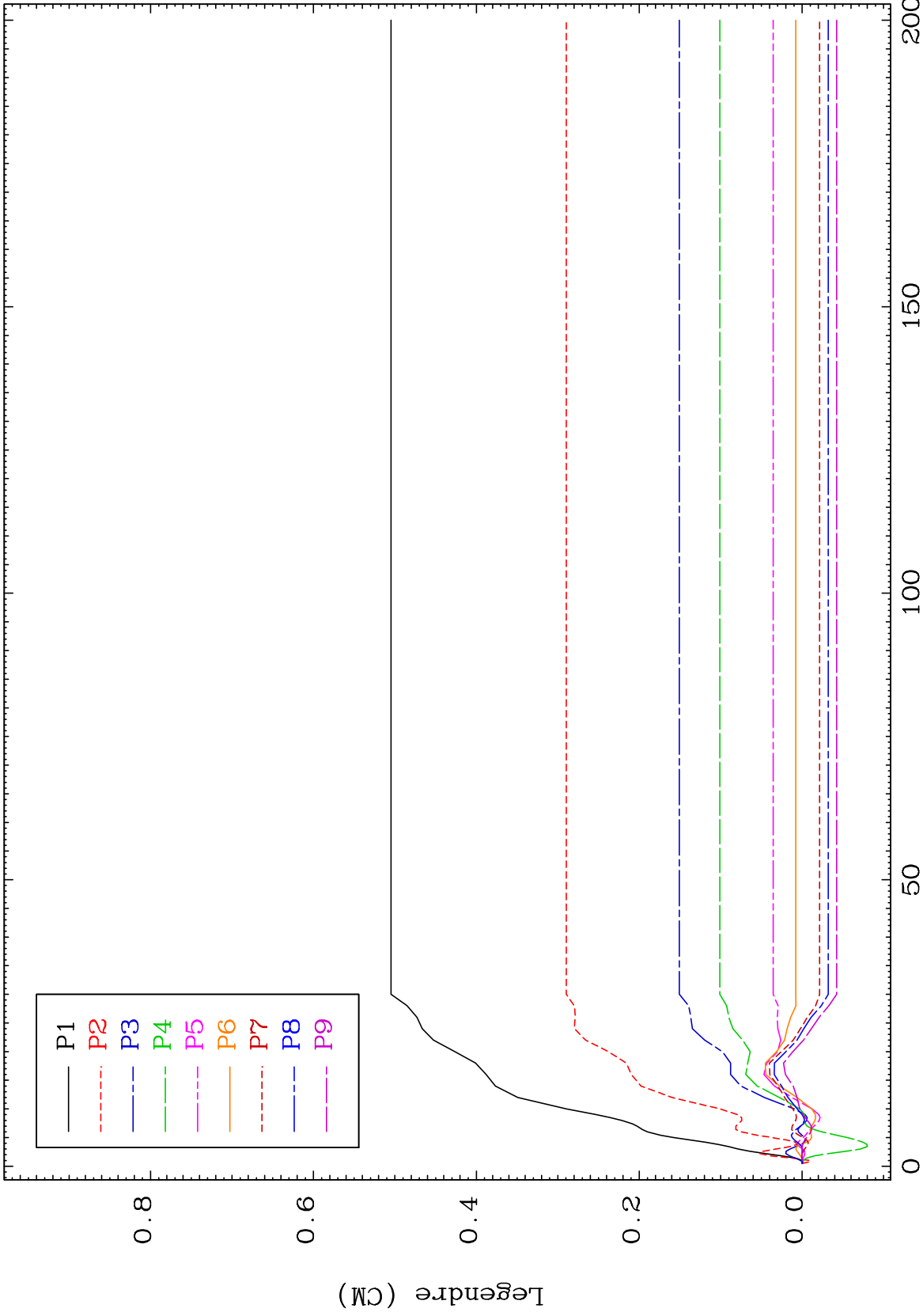
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



60-Nd-146

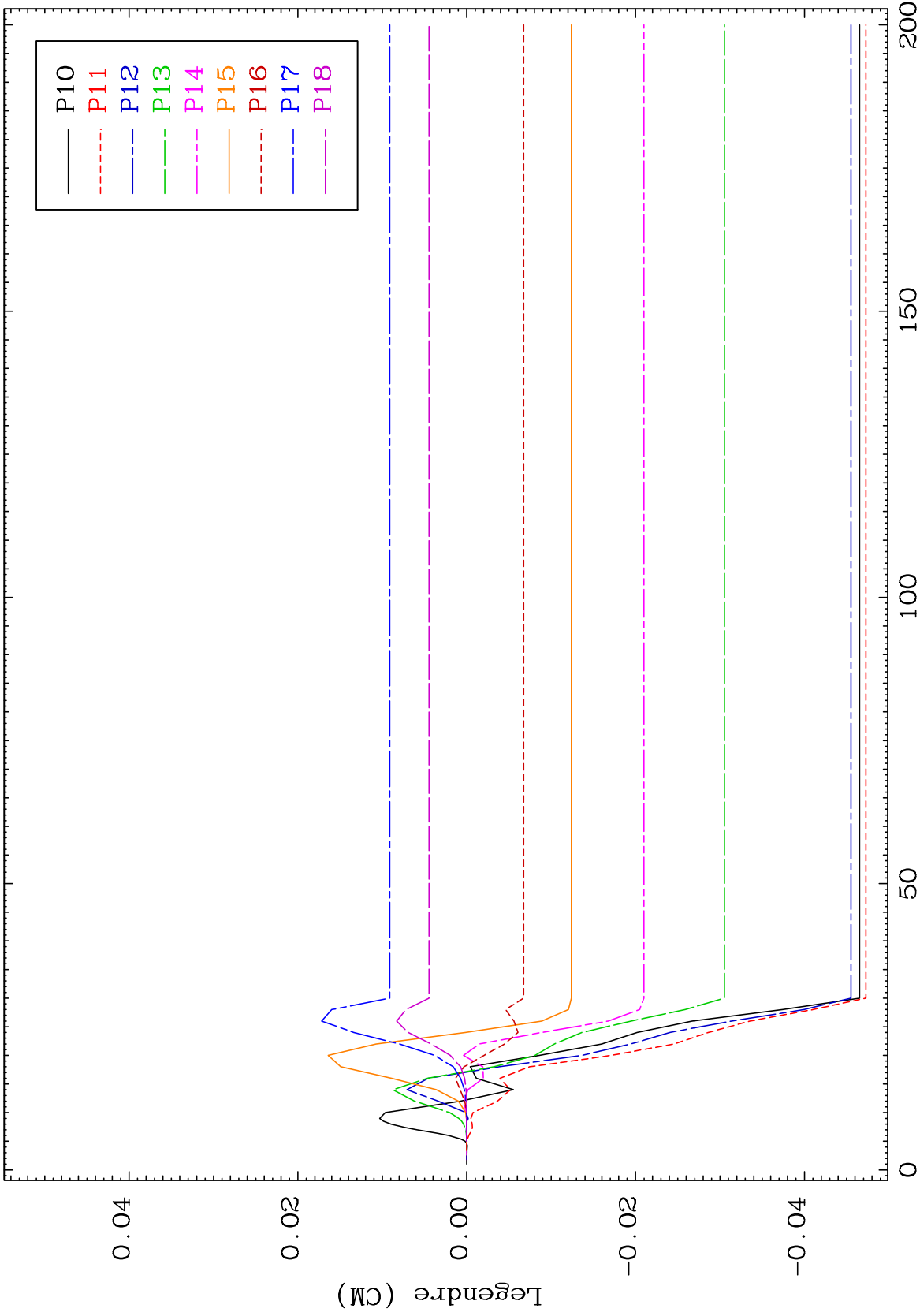
Incident Energy (MeV)

20

MAT 6037

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

60-Nd-146



21

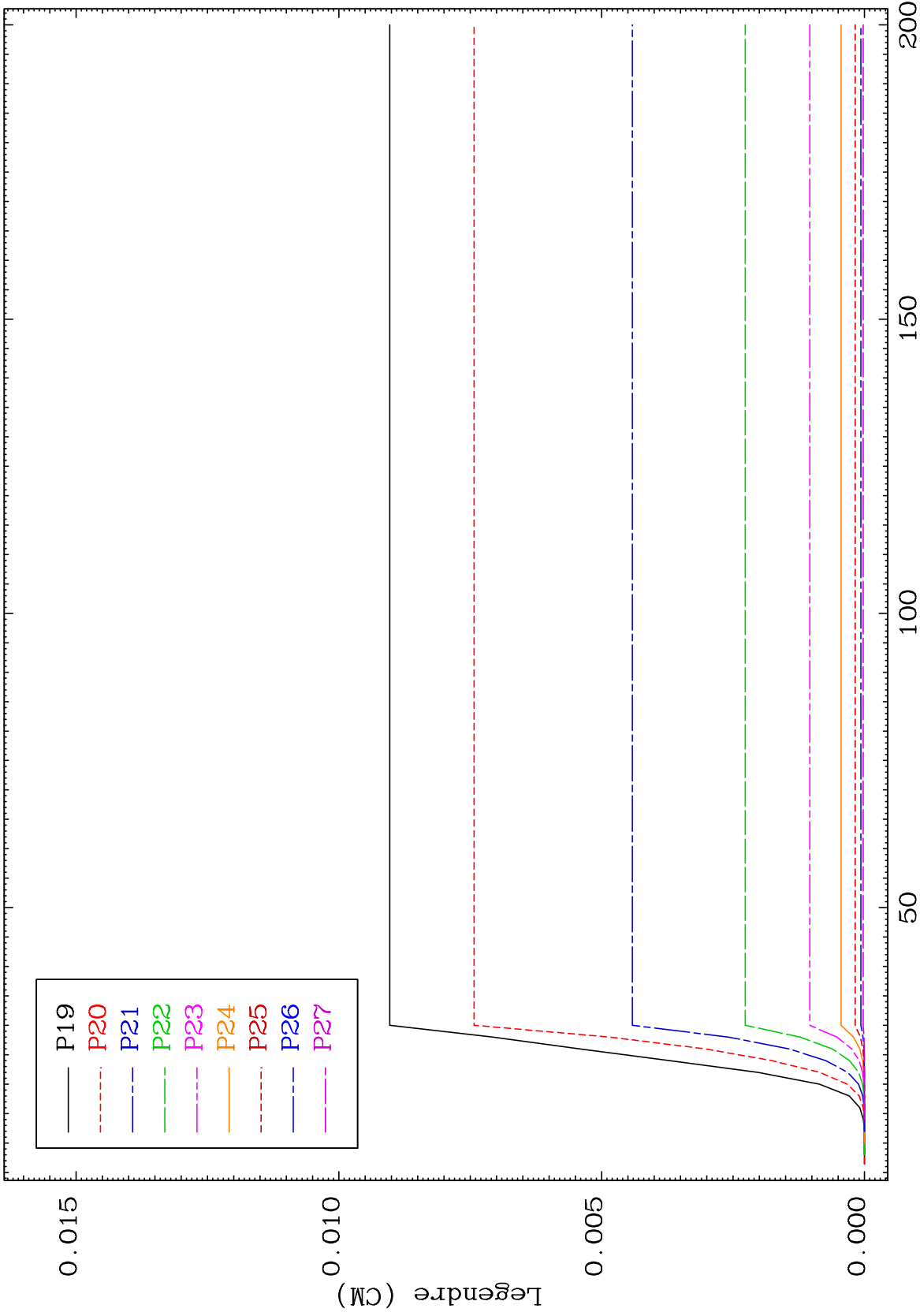
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



22

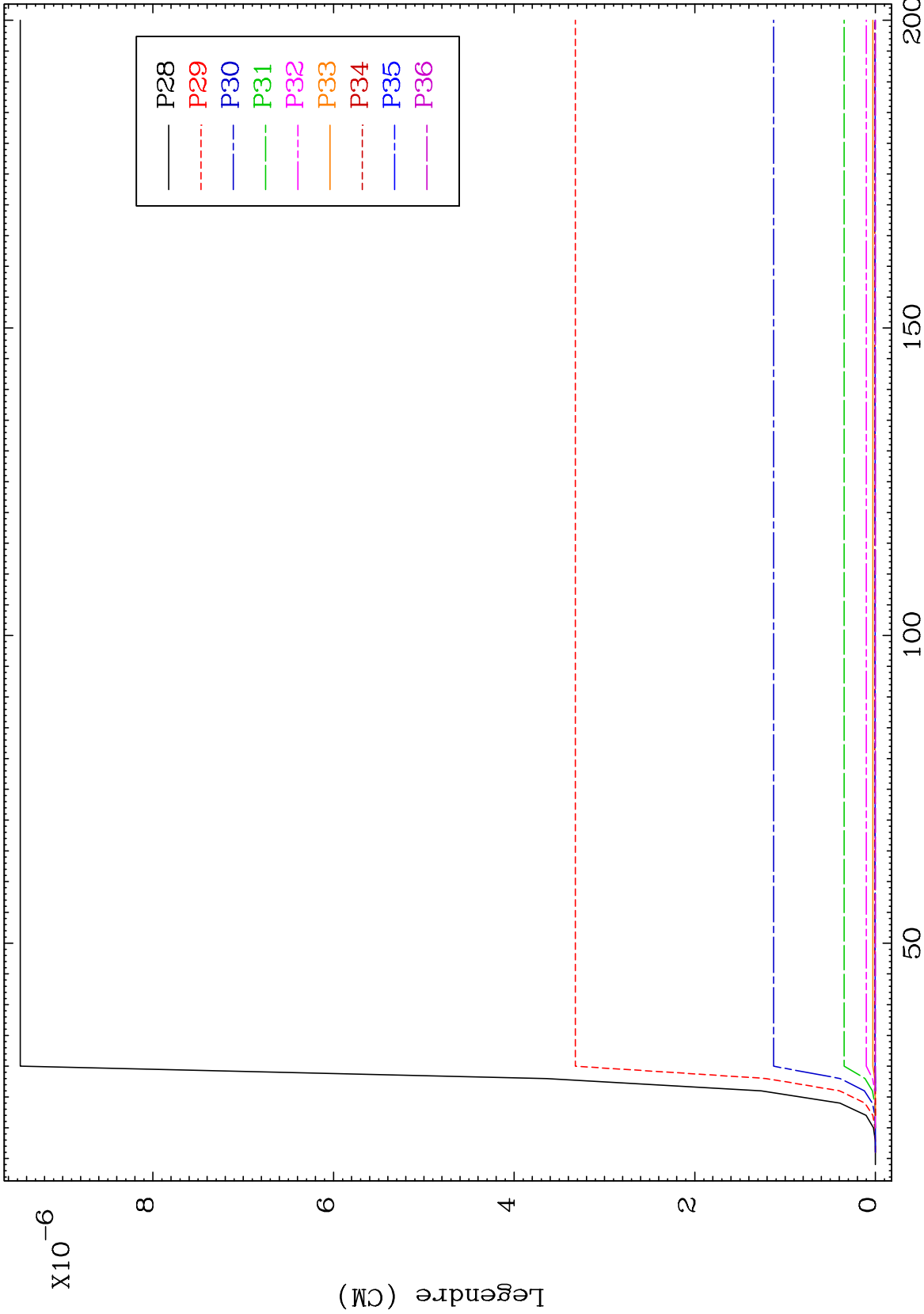
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146

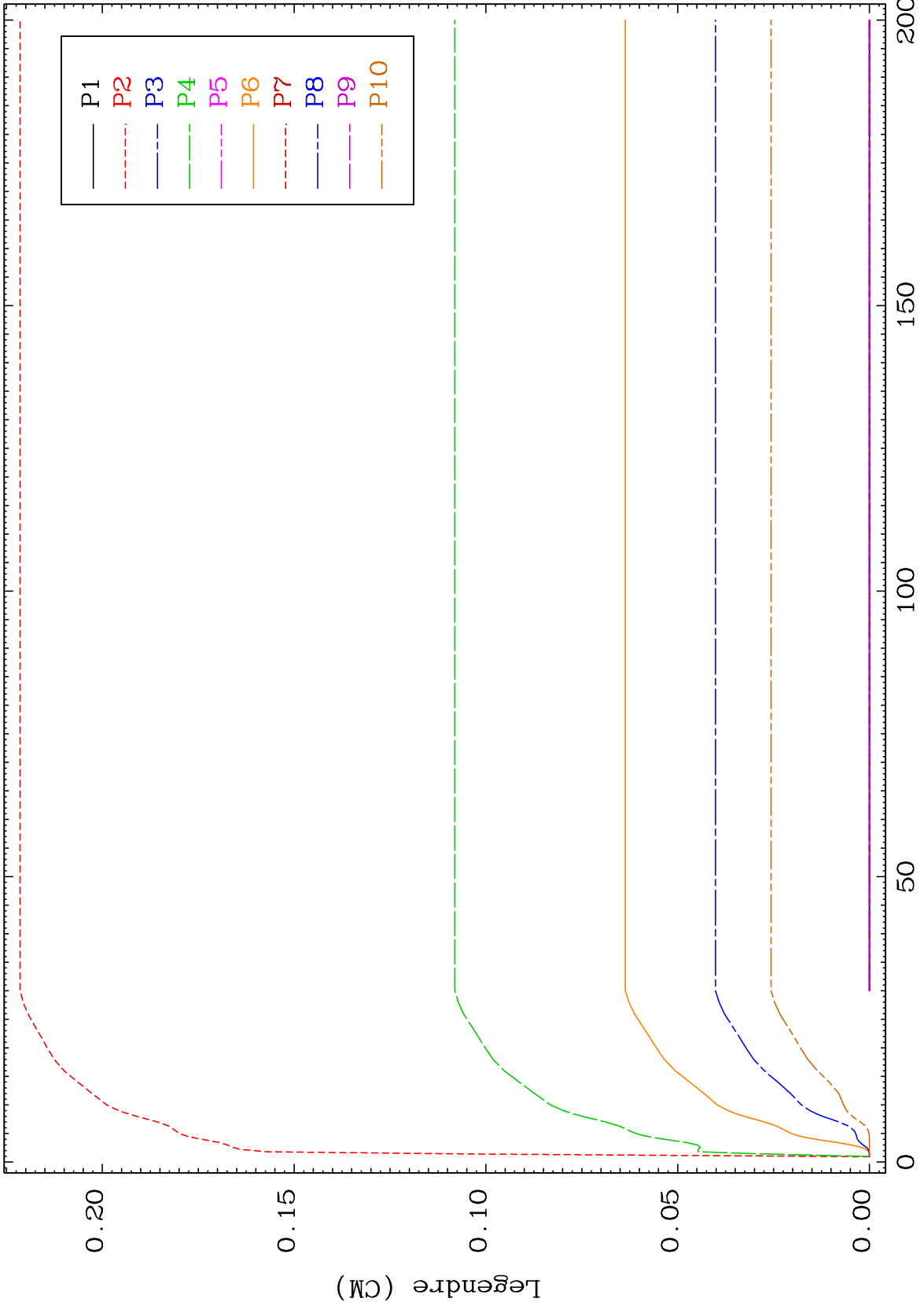


23

Incident Energy (MeV)

60-Nd-146

MAT 6037 MT= 52 (n,n') Level Legendre Coefficients 60-Nd-146

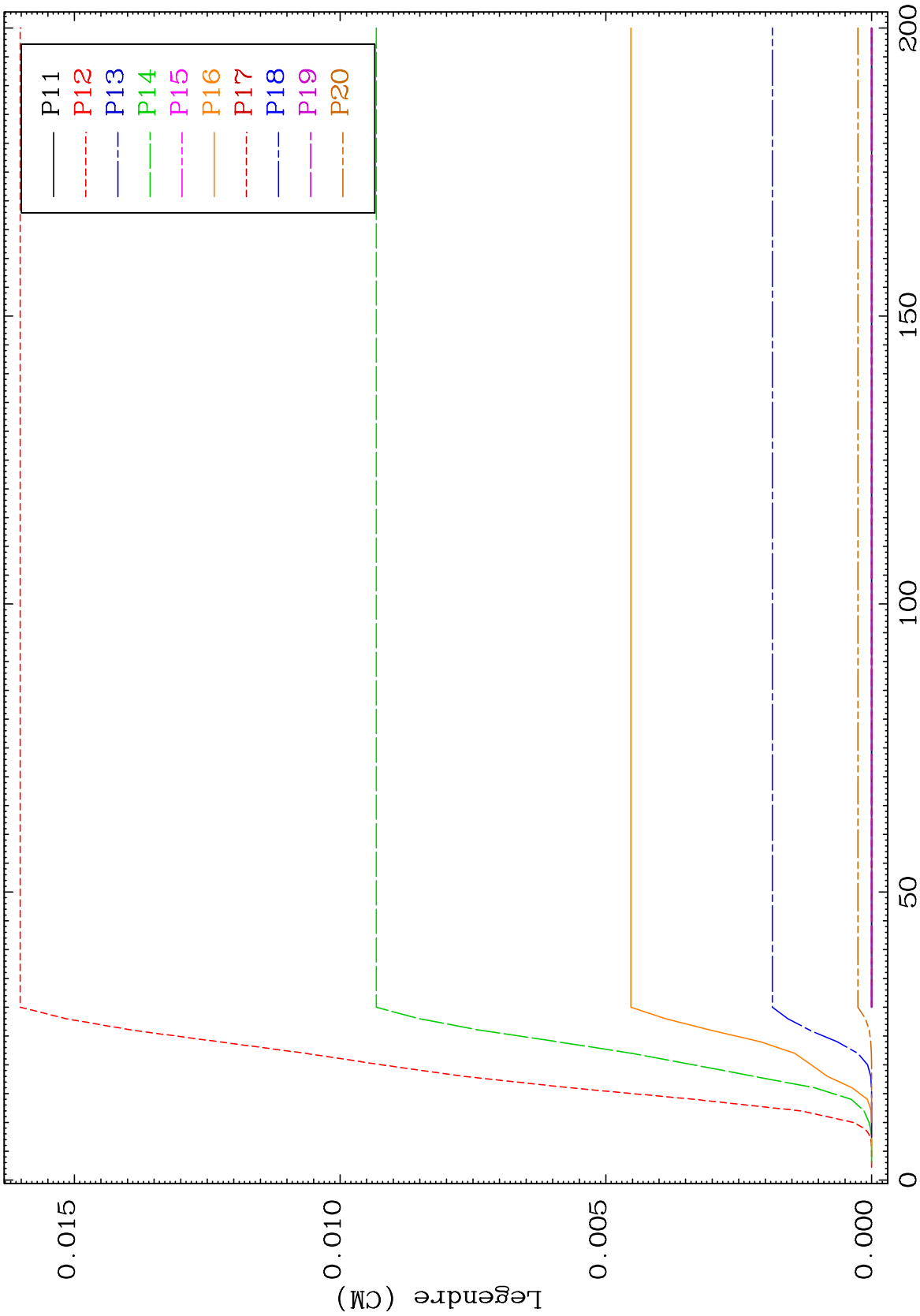


24 60-Nd-146

MAT 6037

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

60-Nd-146



25

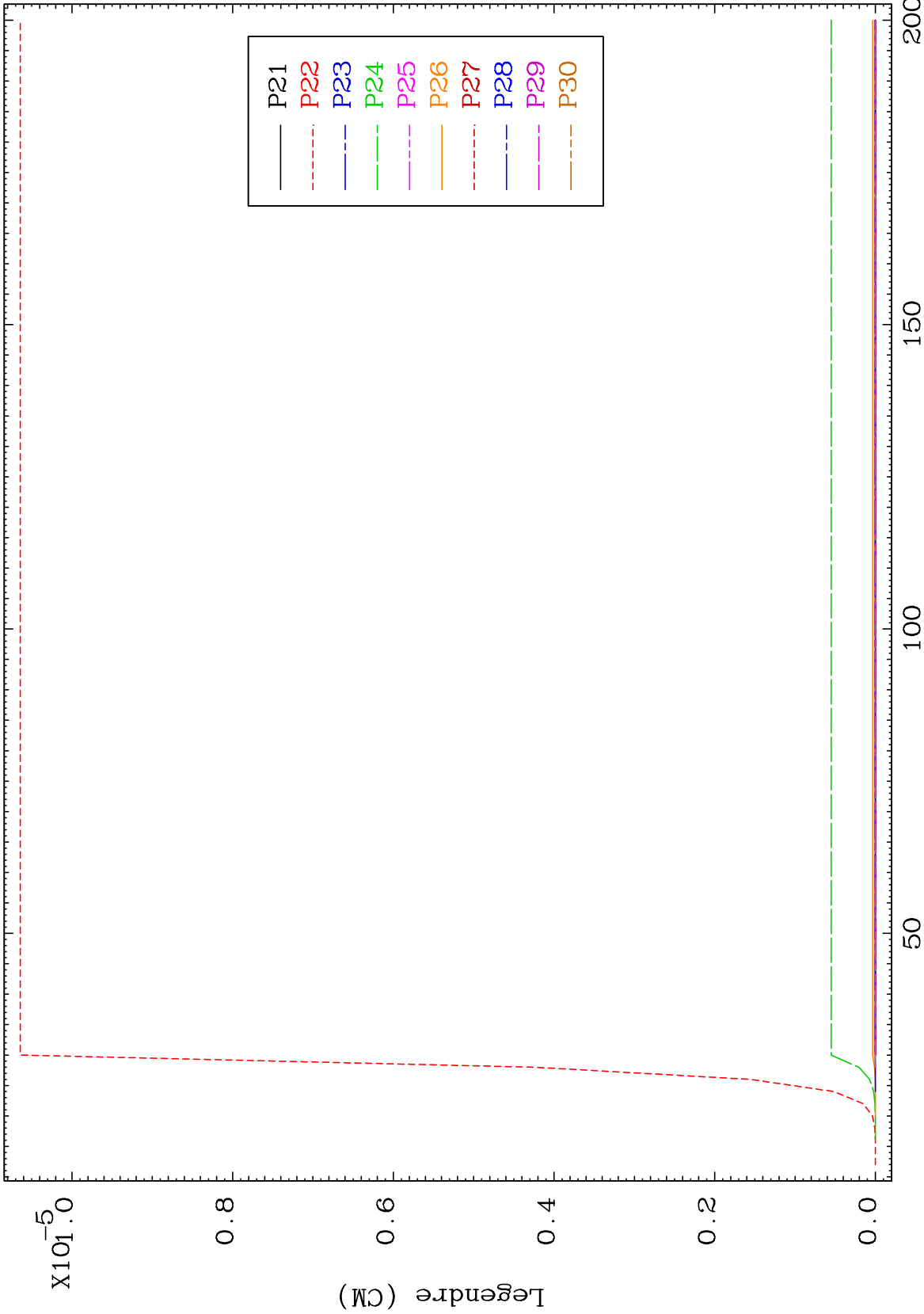
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



26

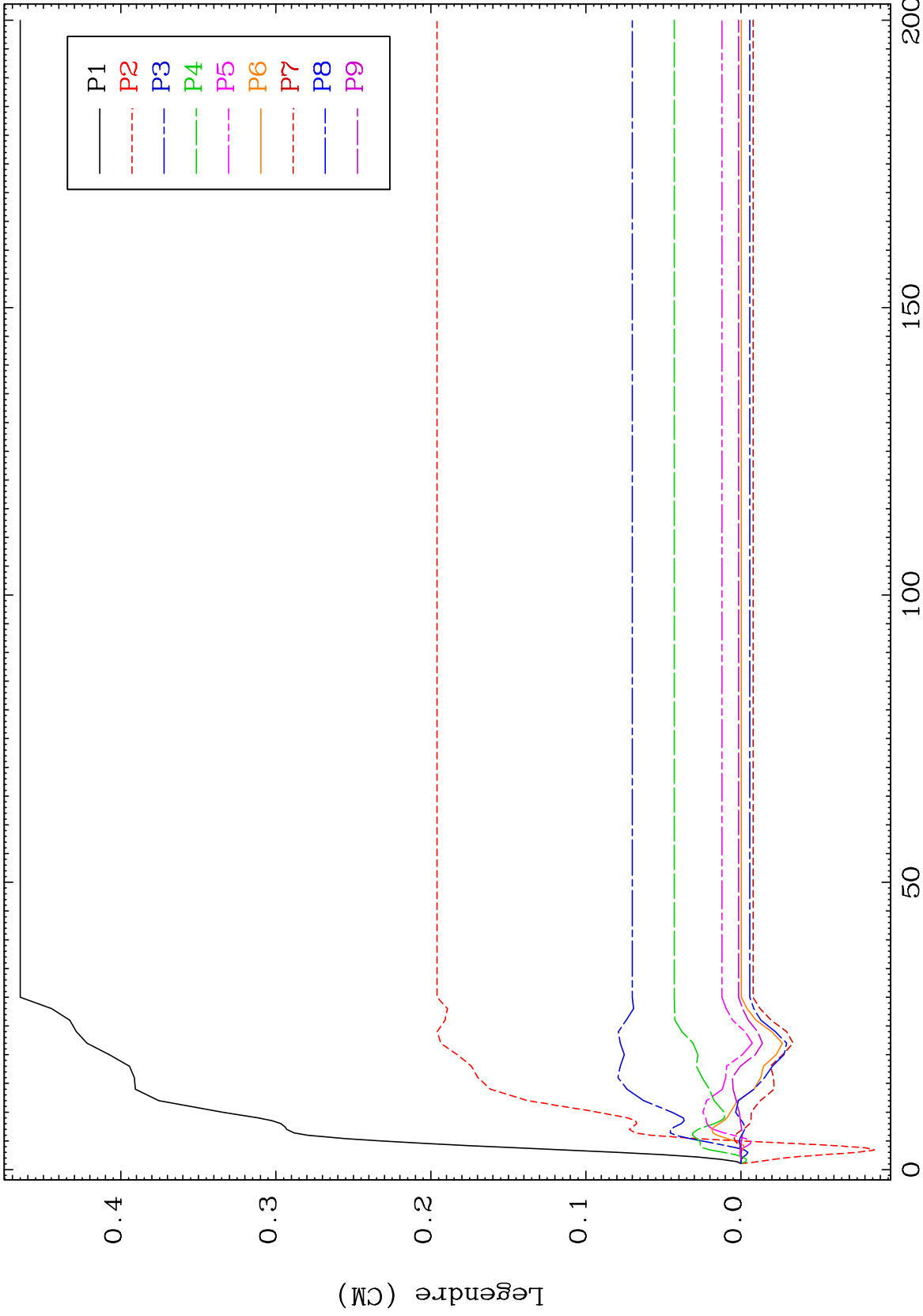
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



27

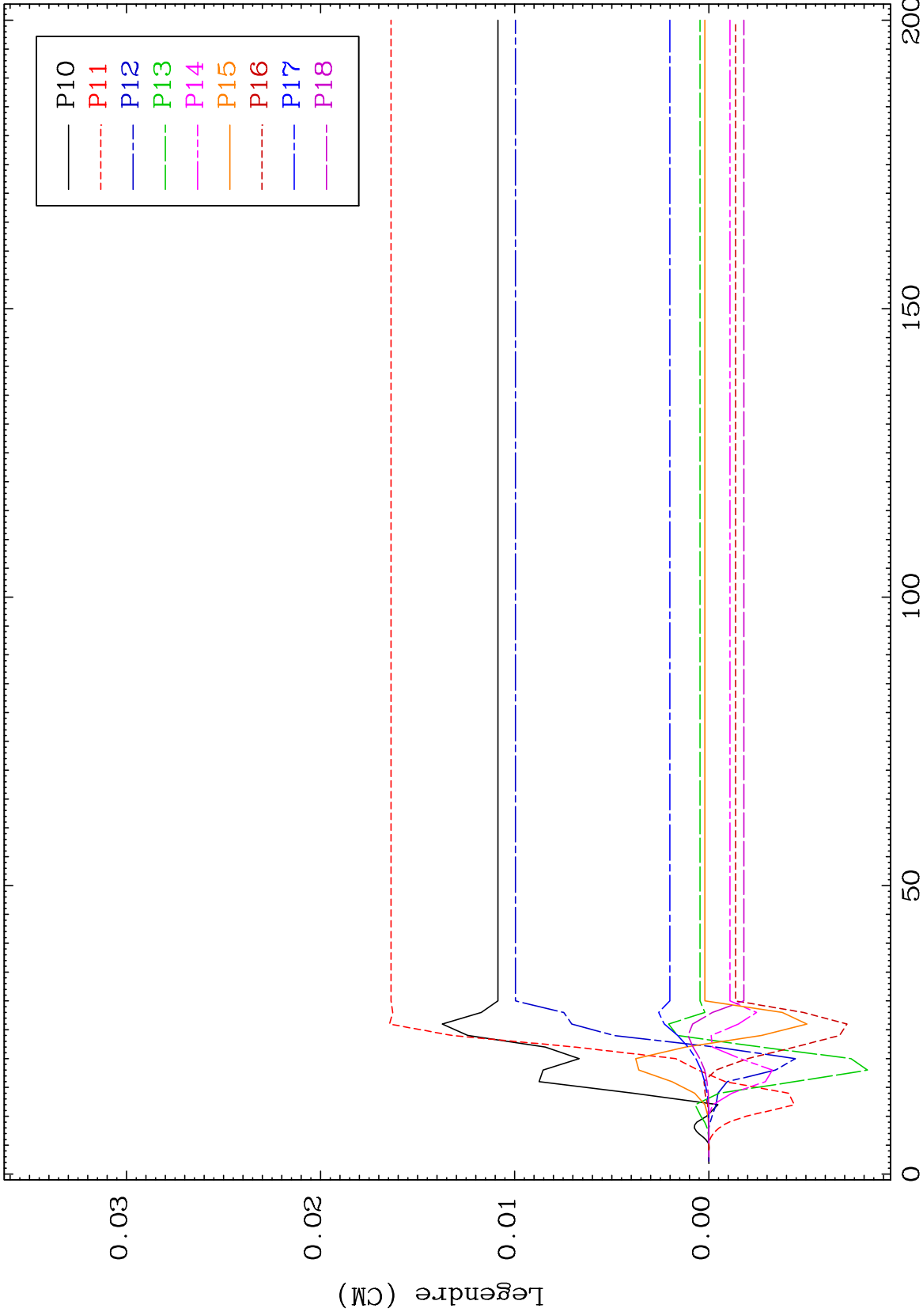
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



28

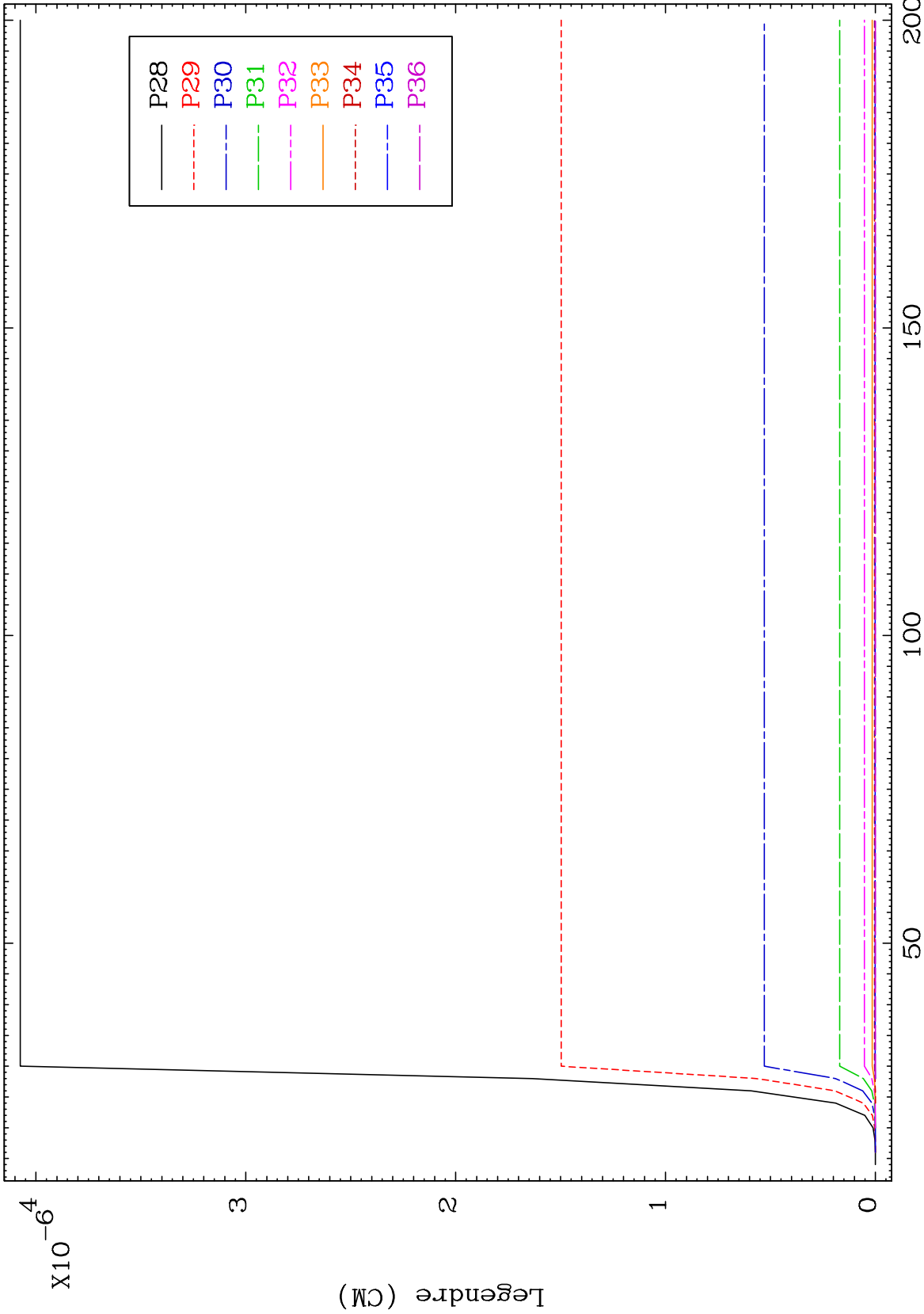
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



30

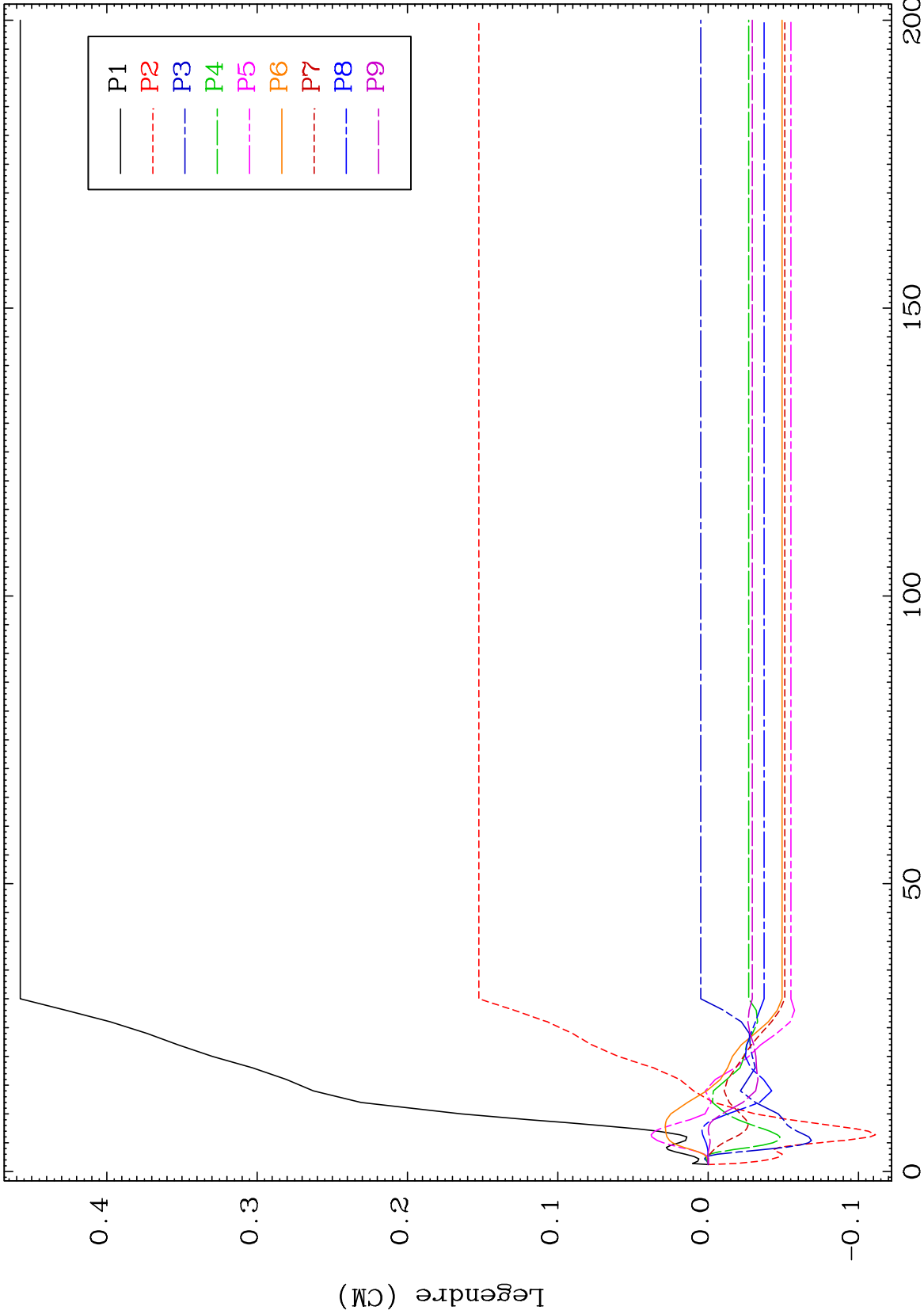
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



31

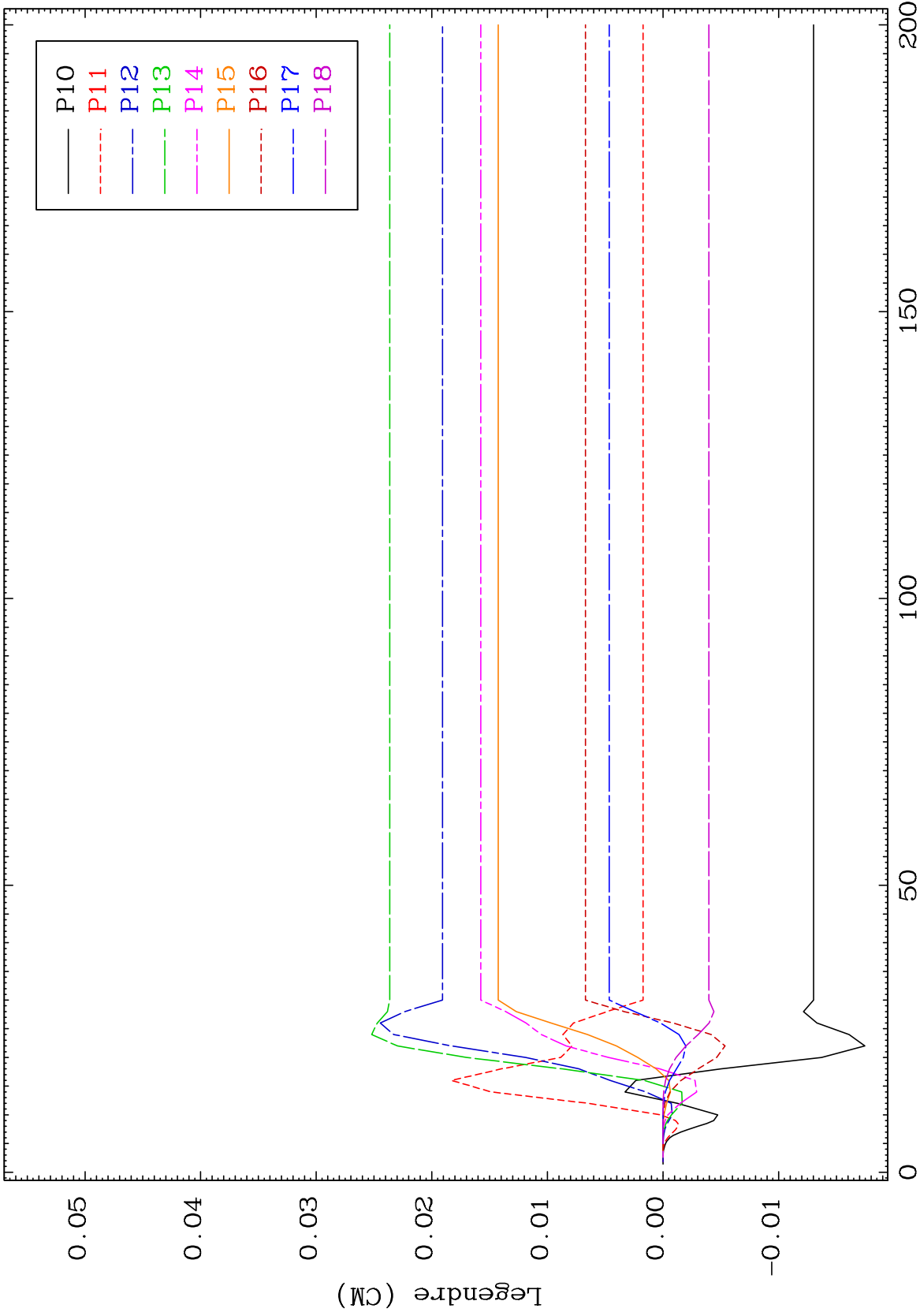
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



32

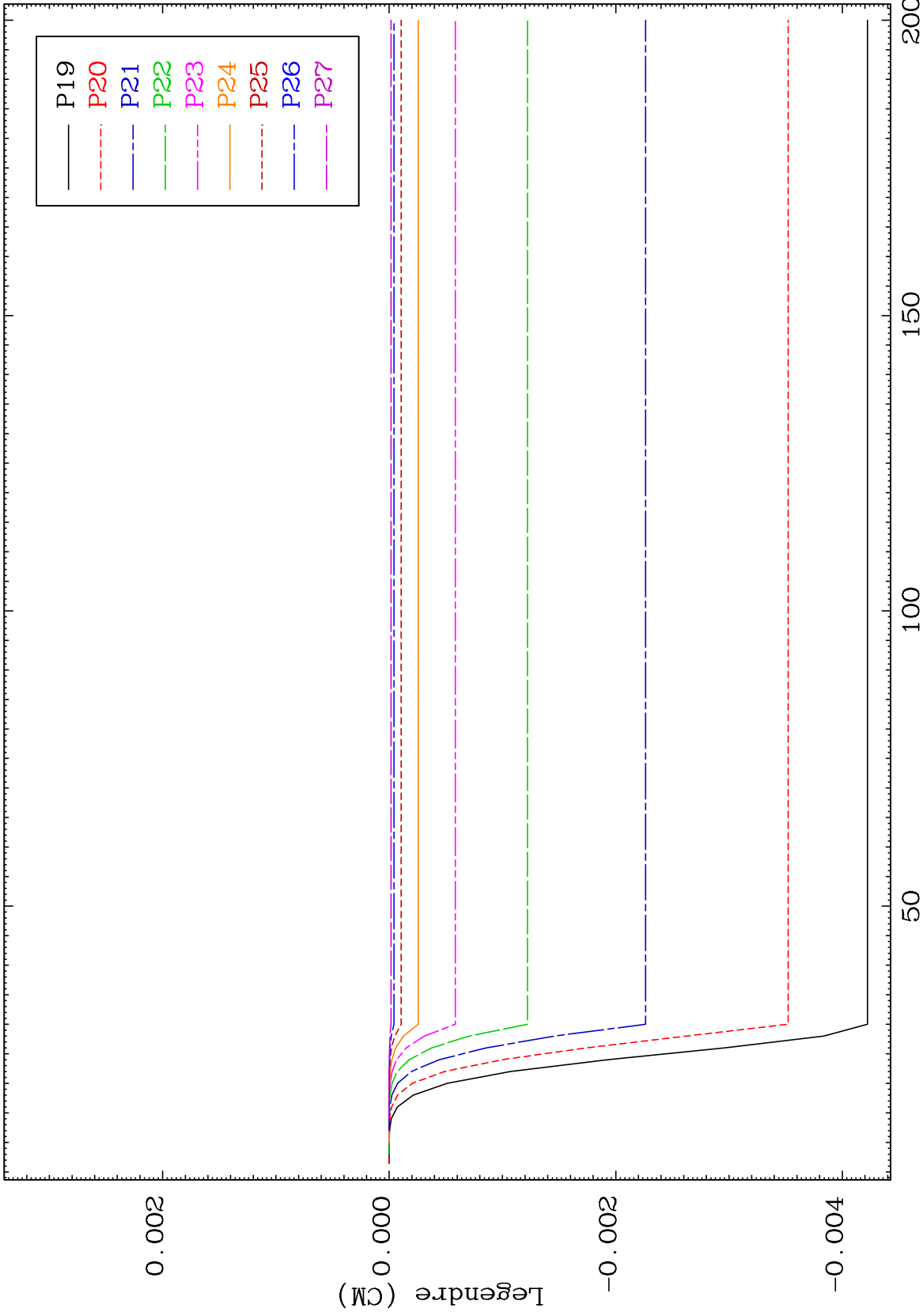
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



33

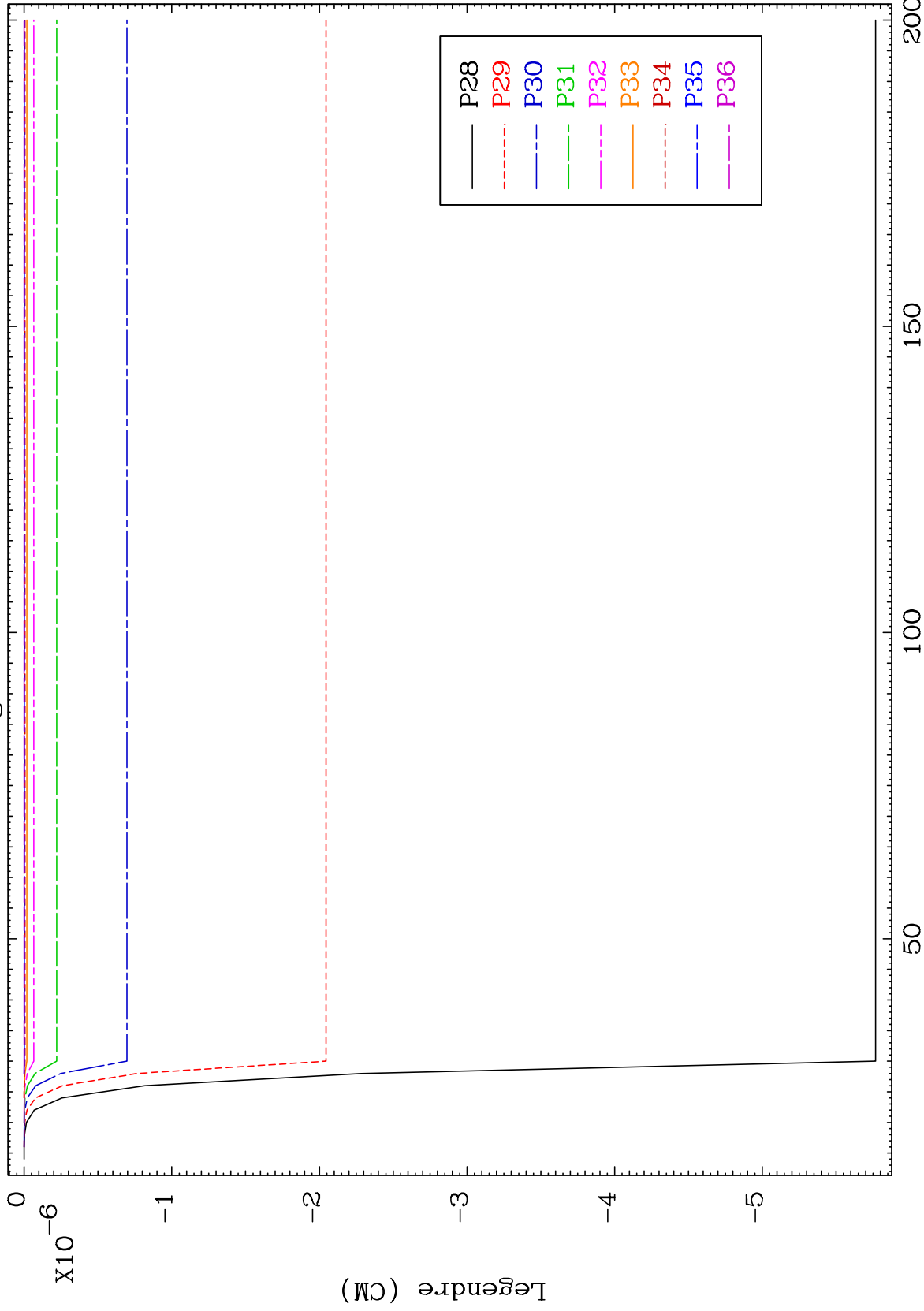
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



60-Nd-146

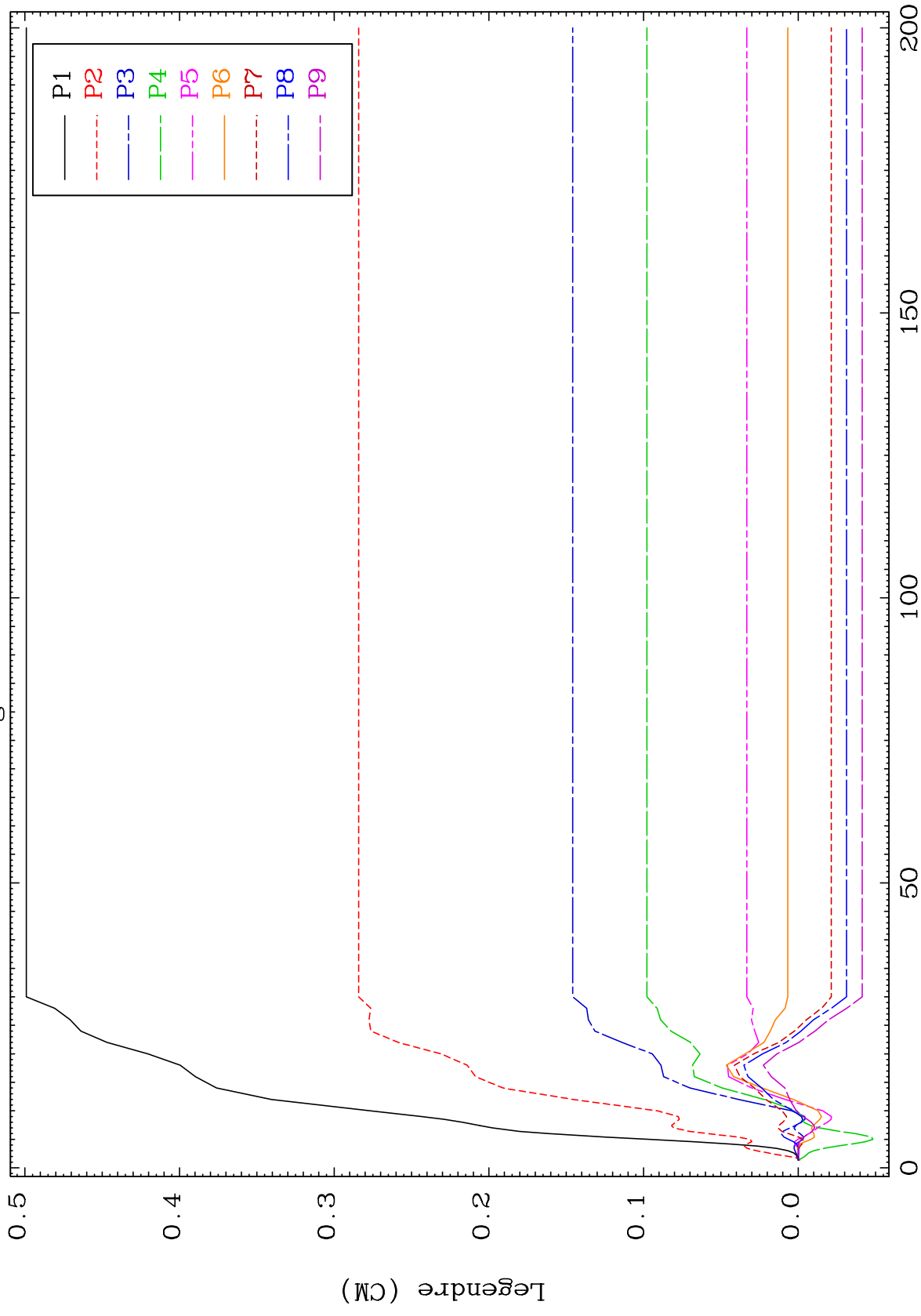
Incident Energy (MeV)

34

MAT 6037

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

60-Nd-146



35

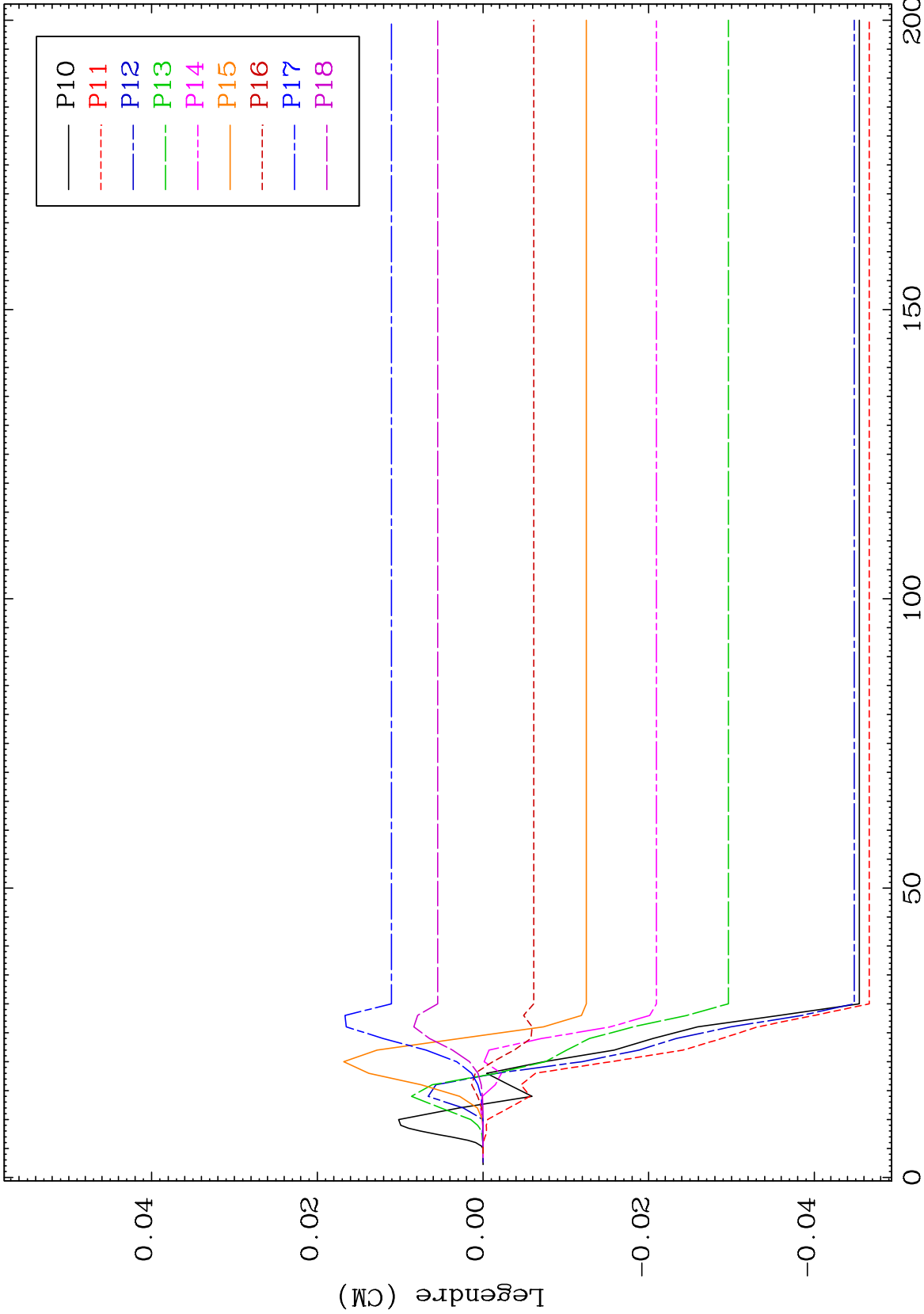
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



36

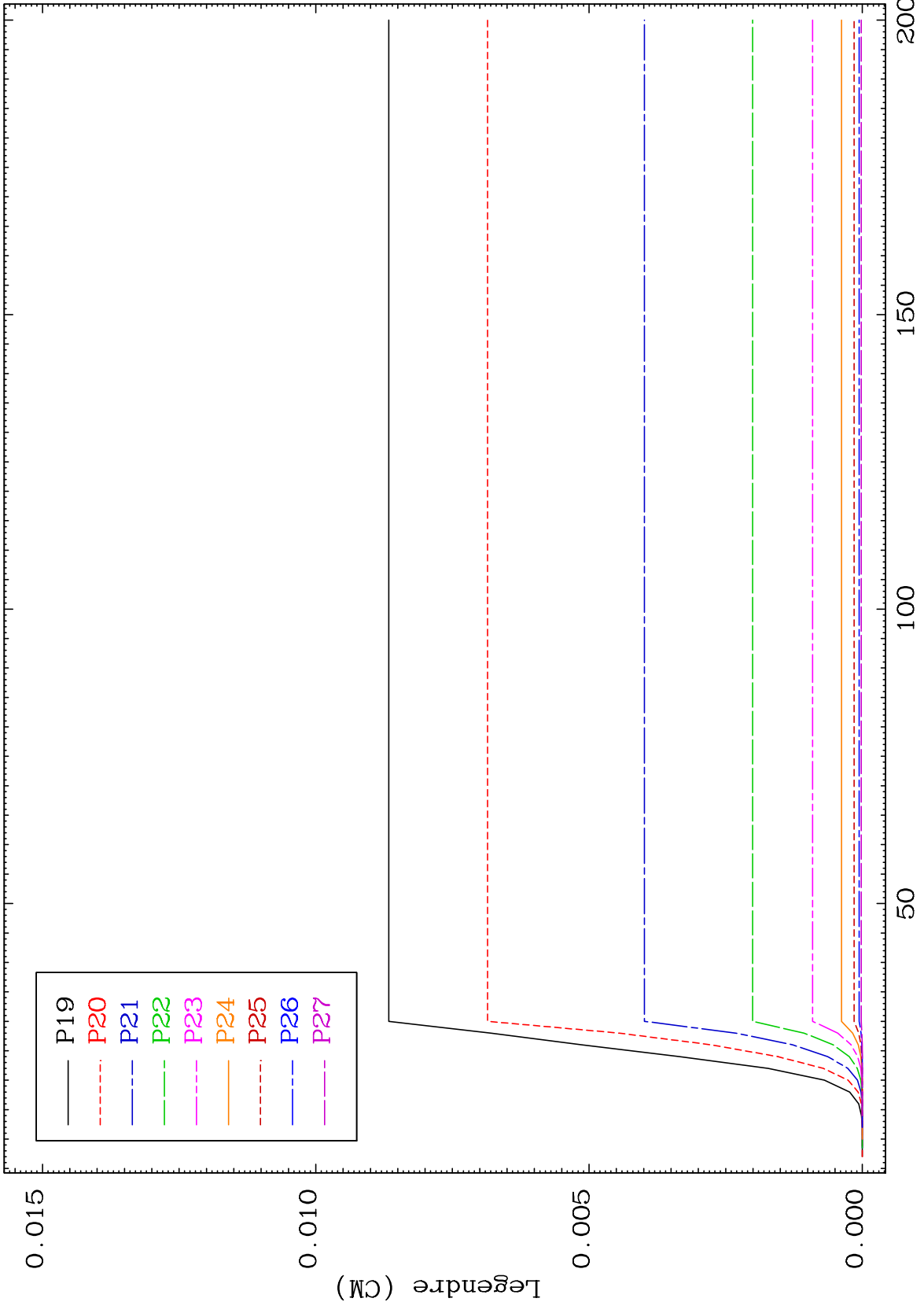
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



37

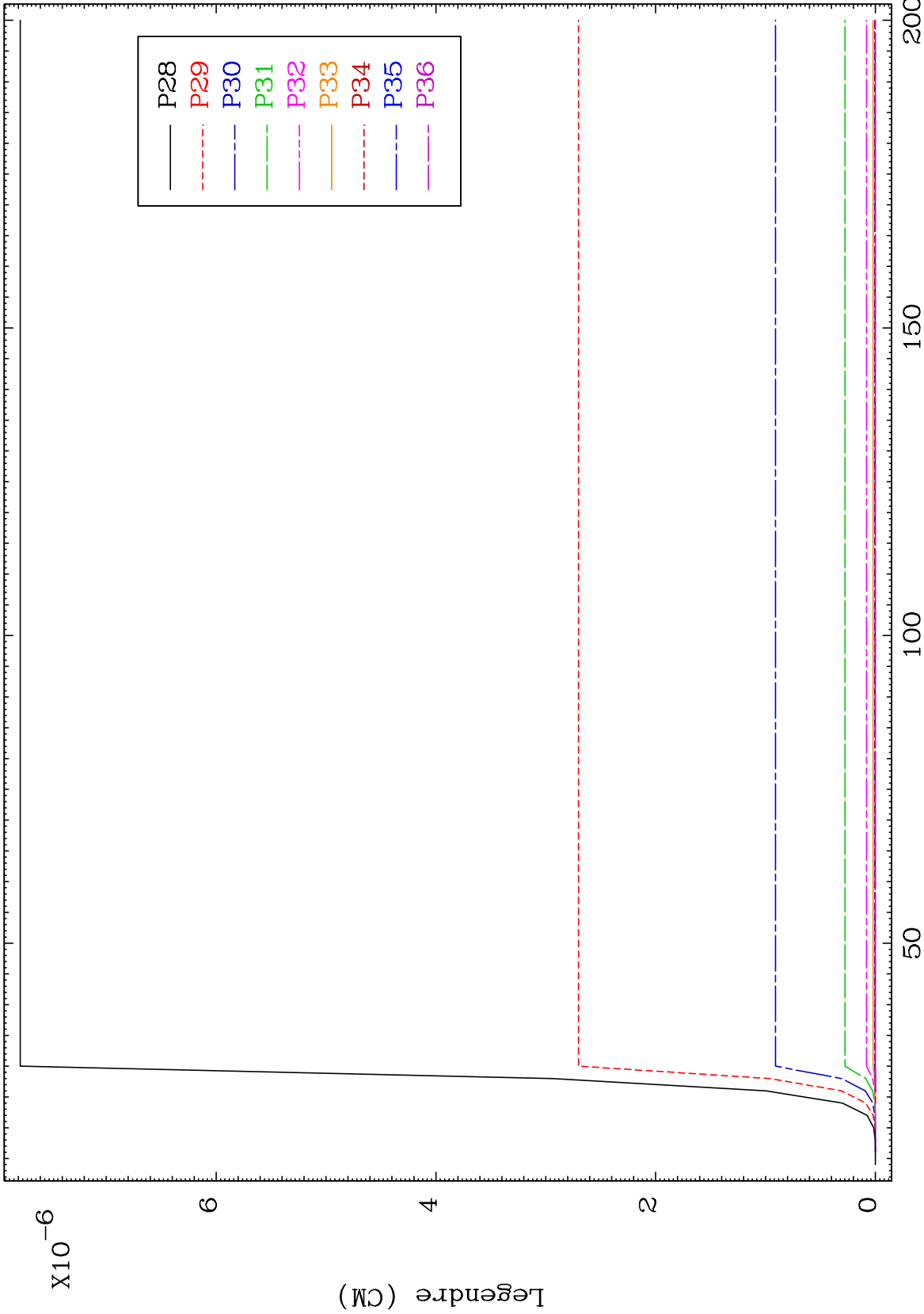
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



38

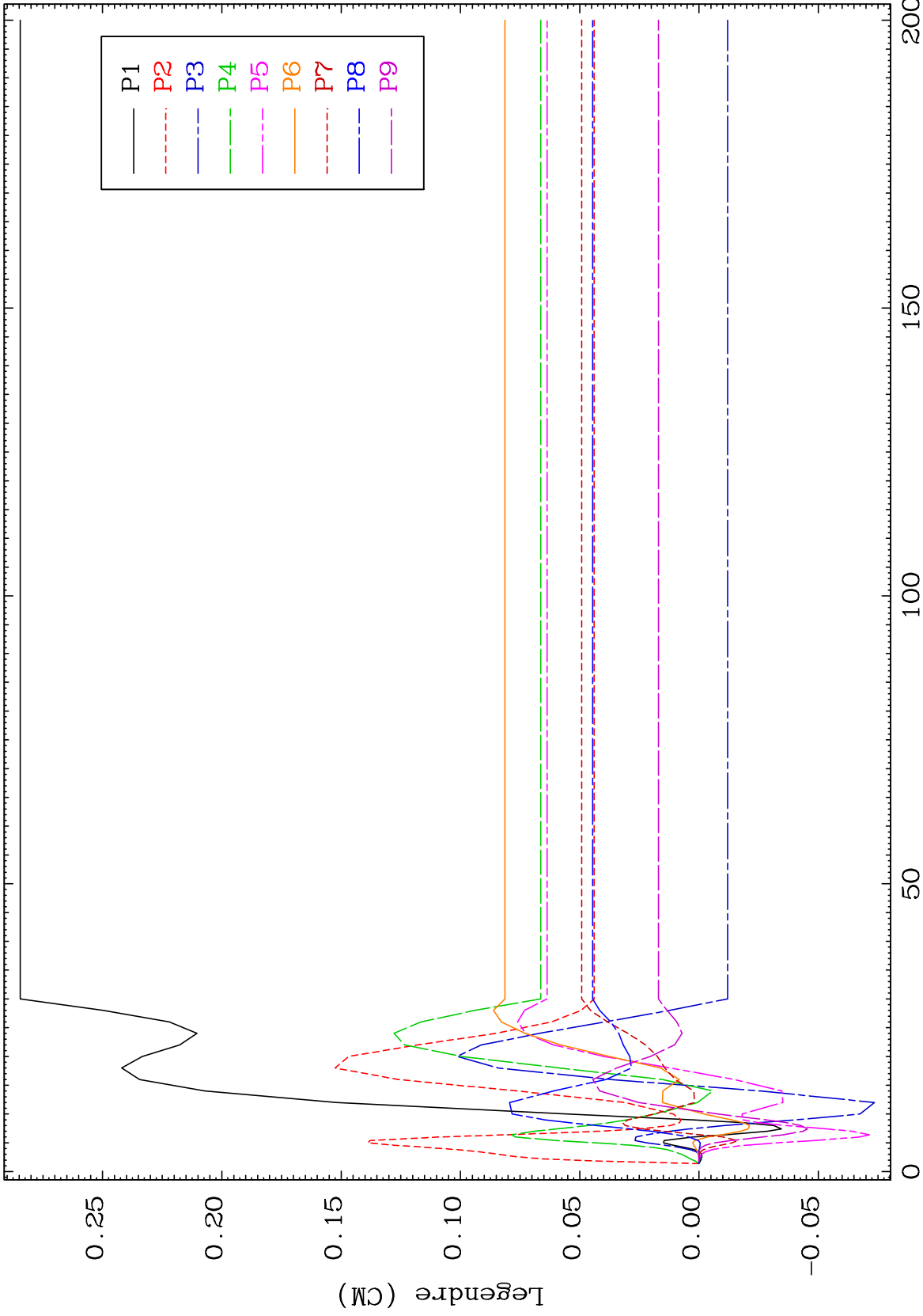
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



39

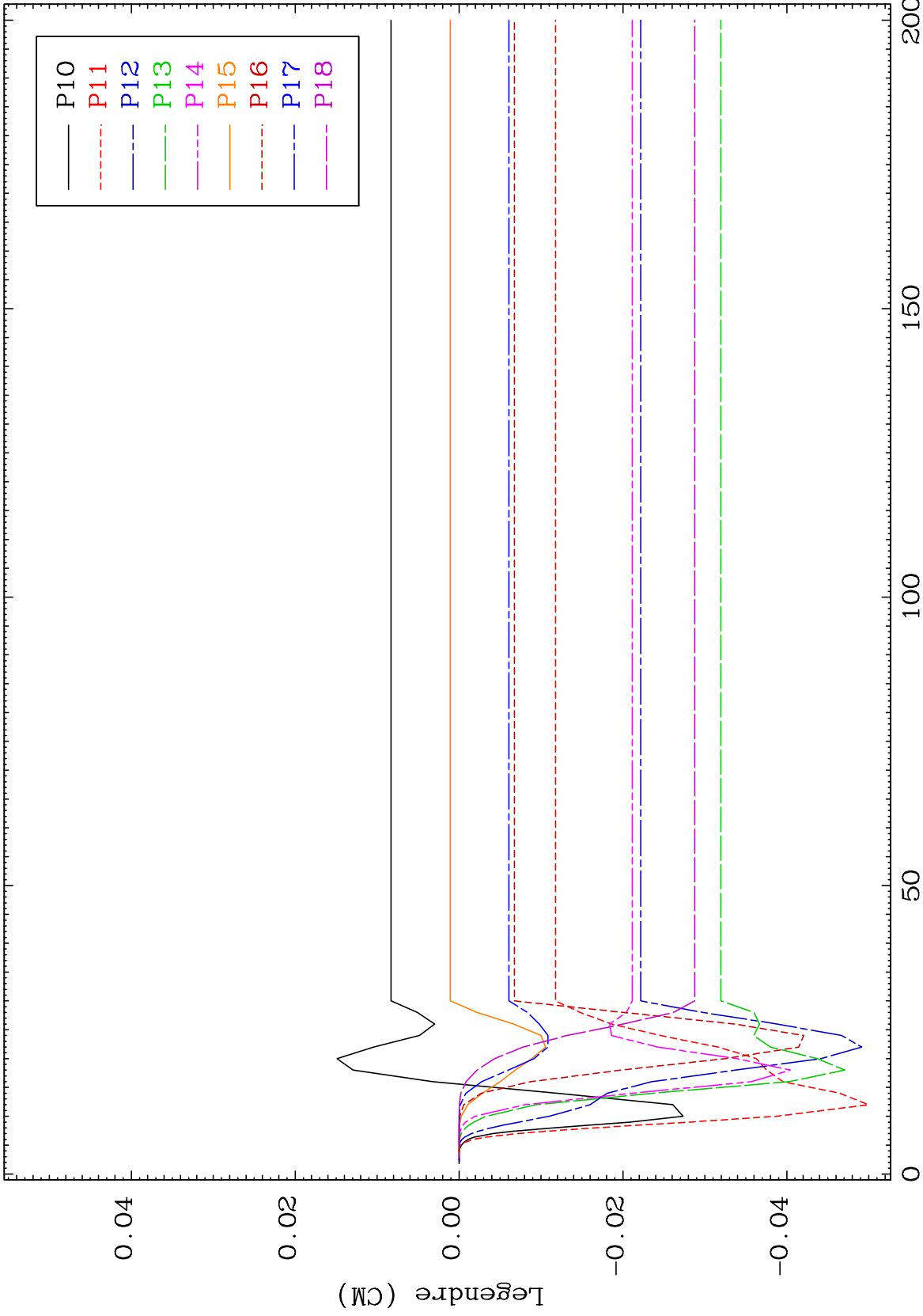
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



60-Nd-146

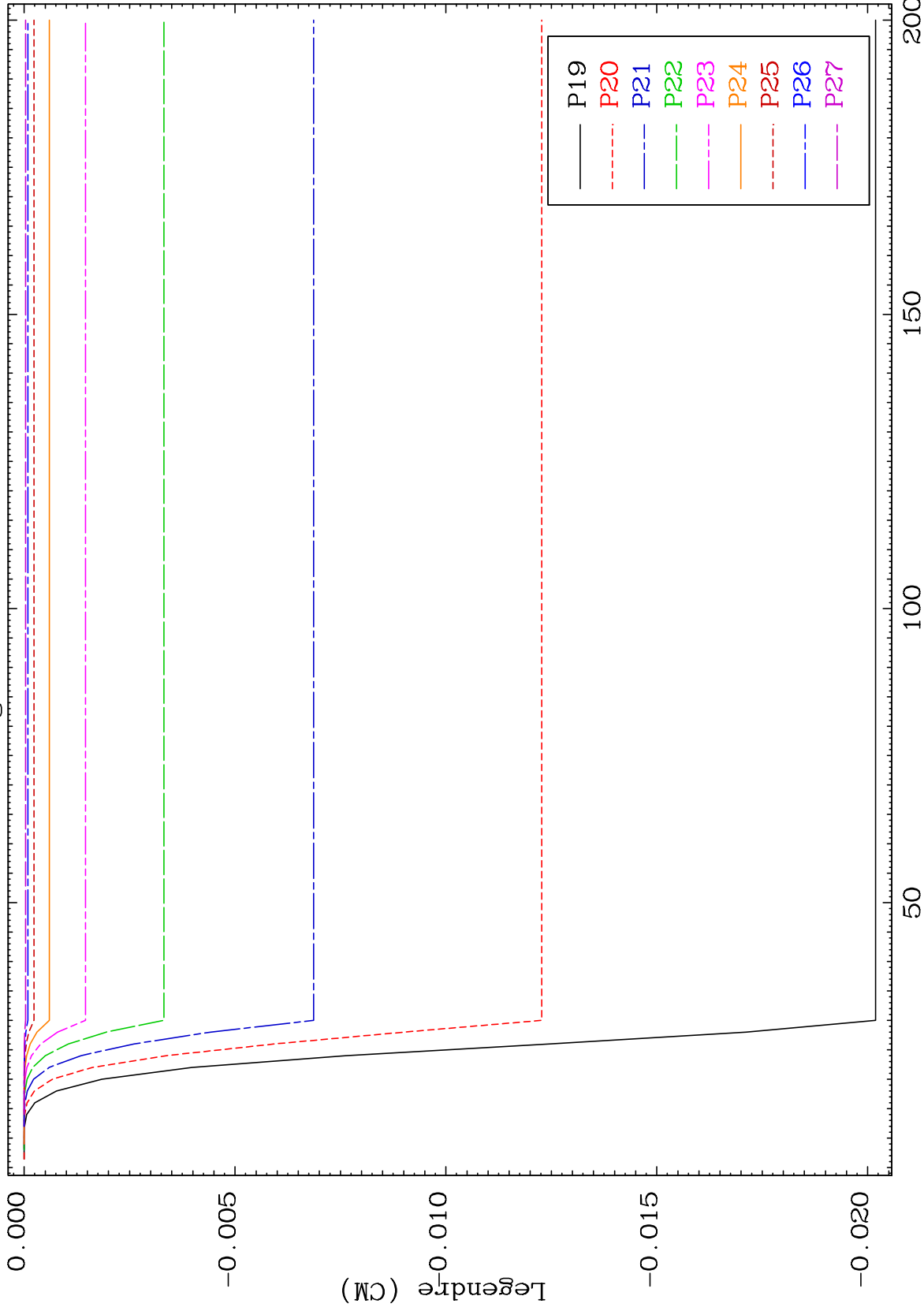
Incident Energy (MeV)

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MAT 6037

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

60-Nd-146



60-Nd-146

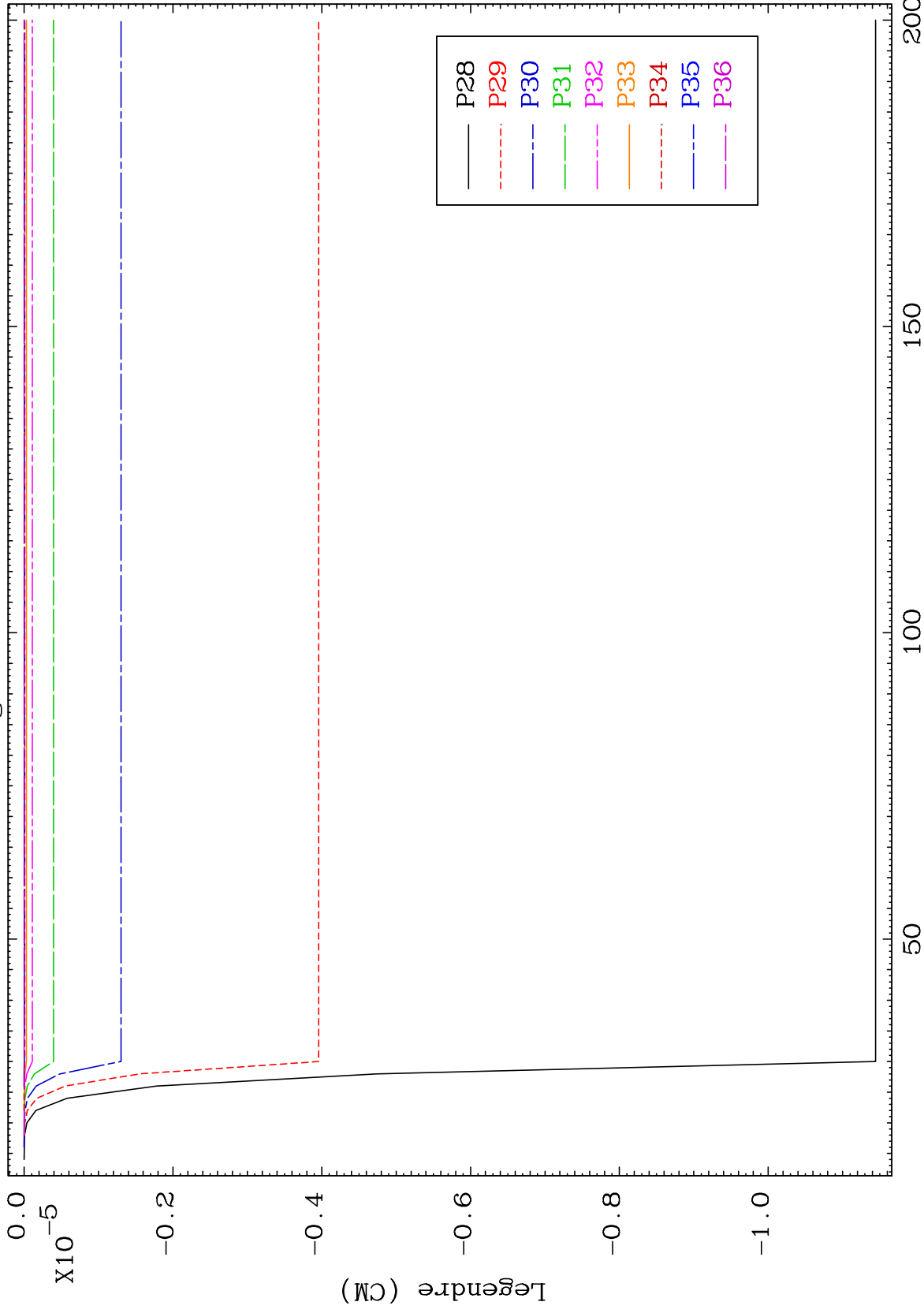
Incident Energy (MeV)

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MAT 6037

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

60-Nd-146



60-Nd-146

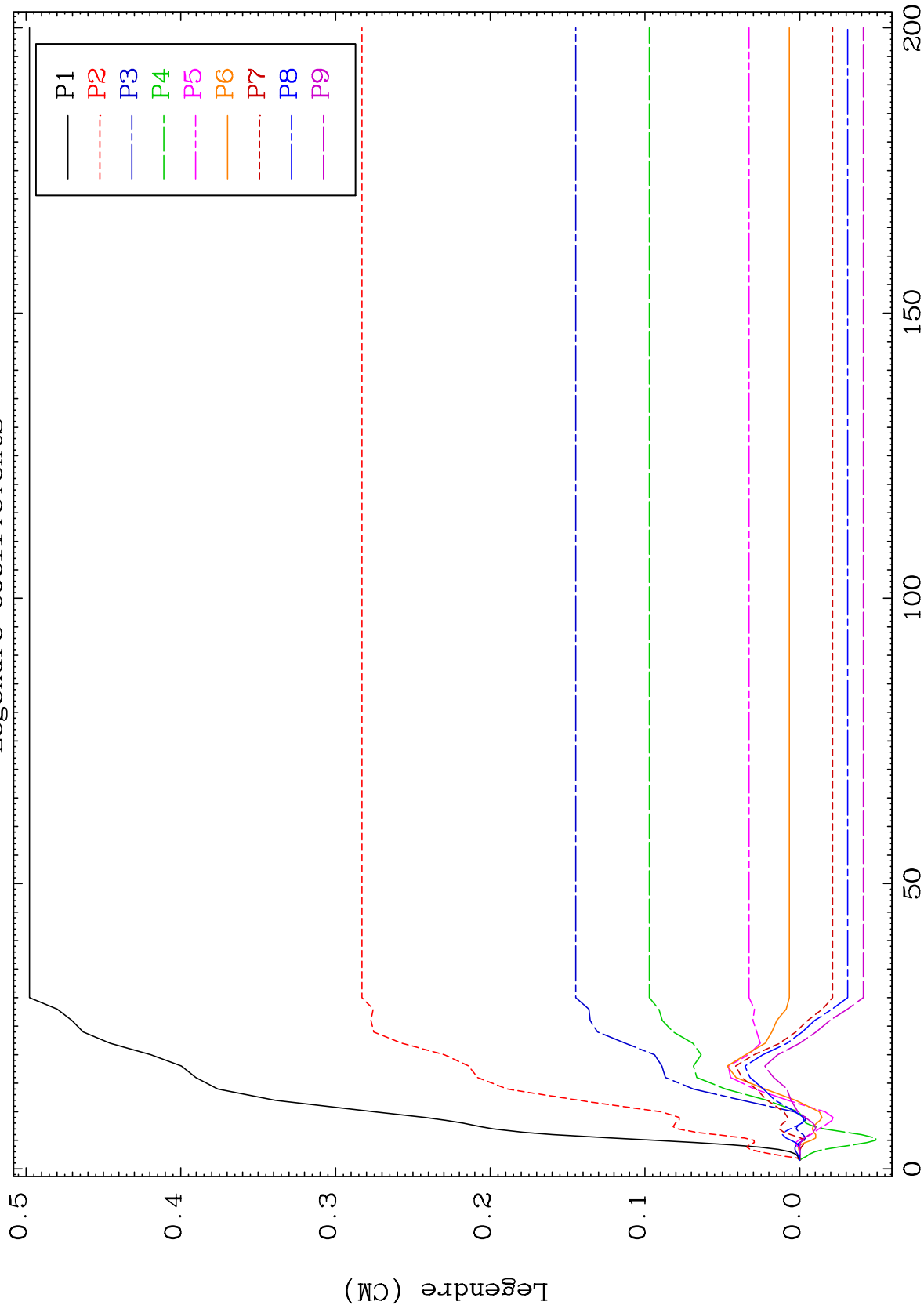
Incident Energy (MeV)

42

MAT 6037

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

60-Nd-146



43

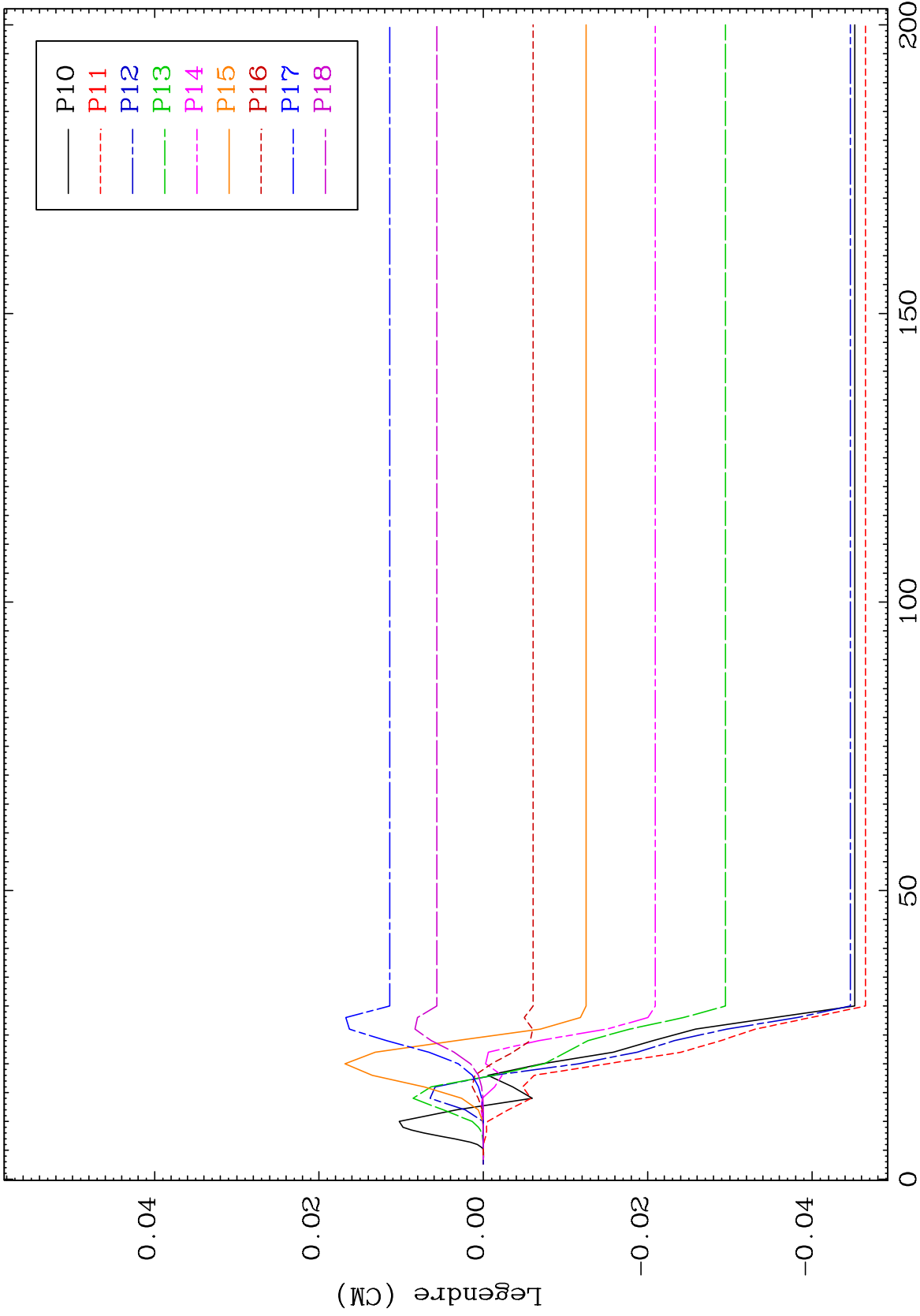
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



44

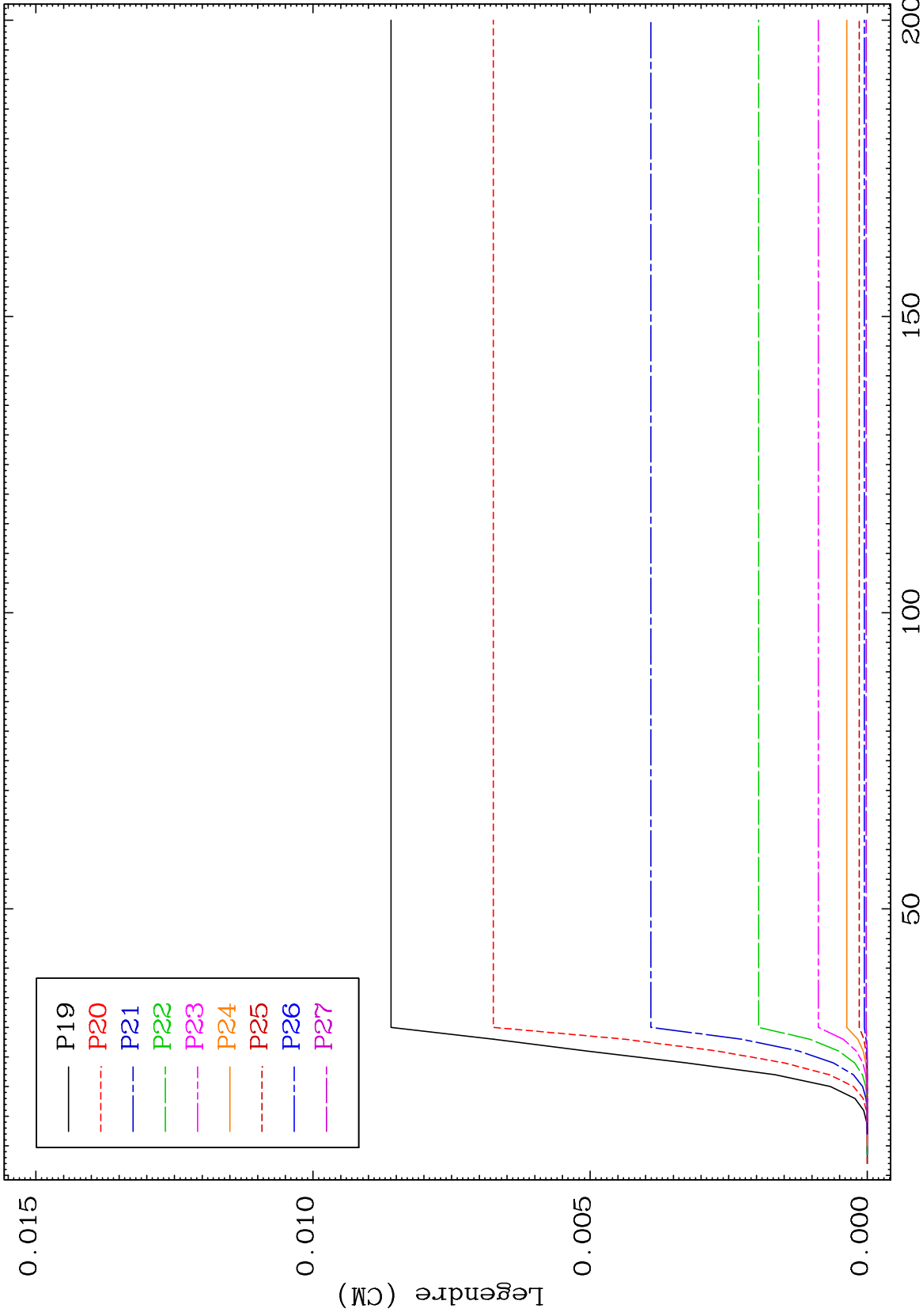
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



45

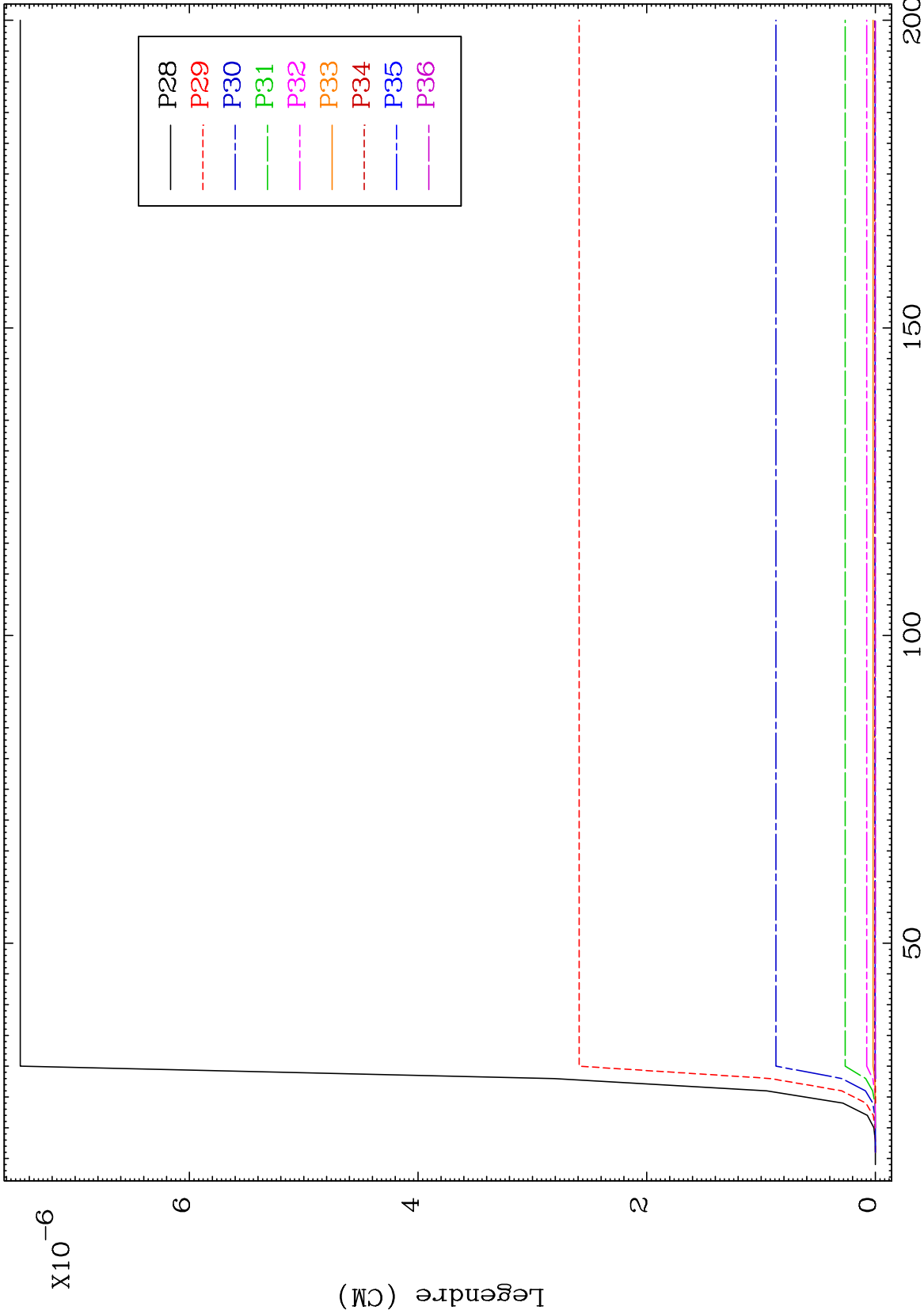
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



46

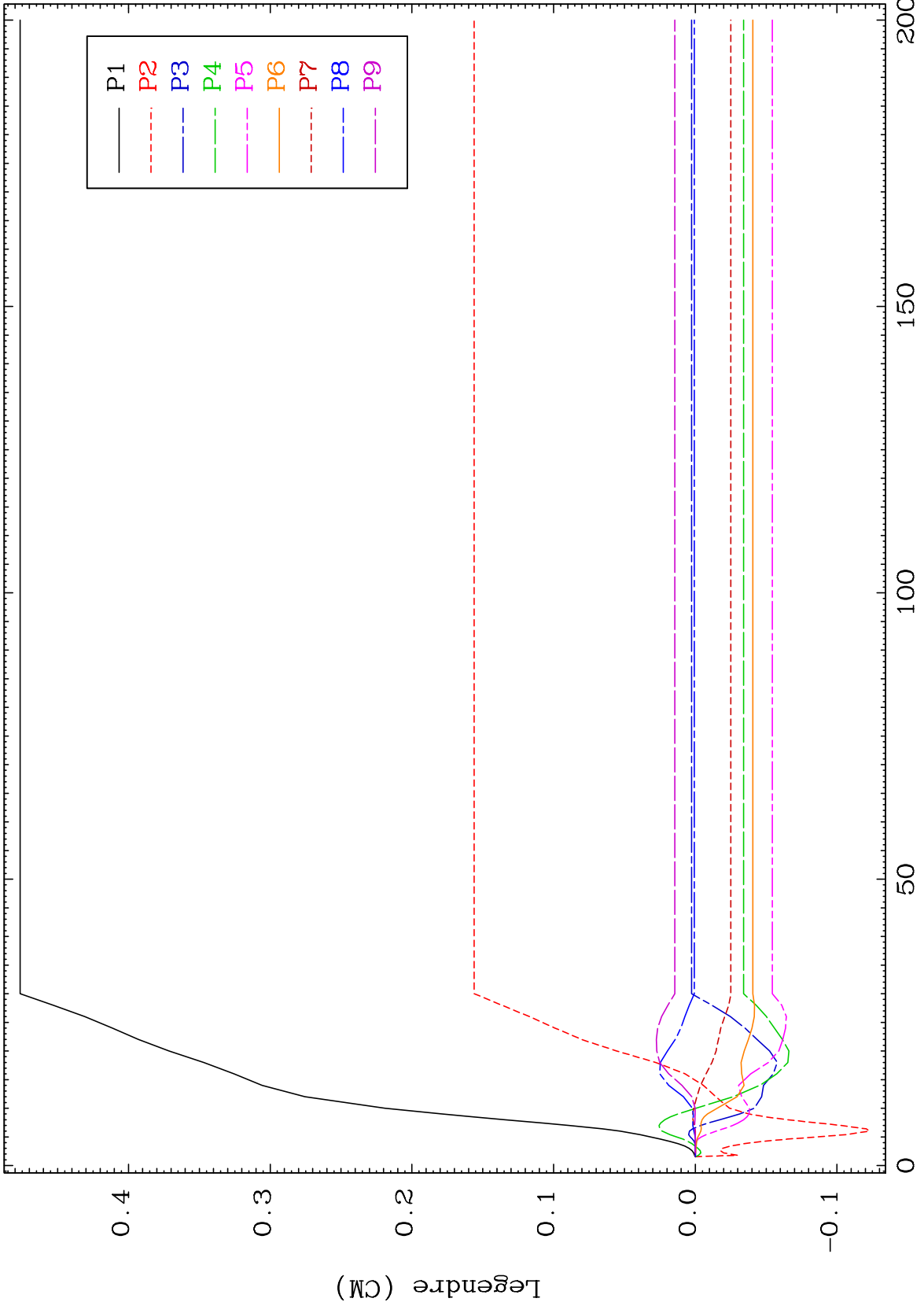
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



47

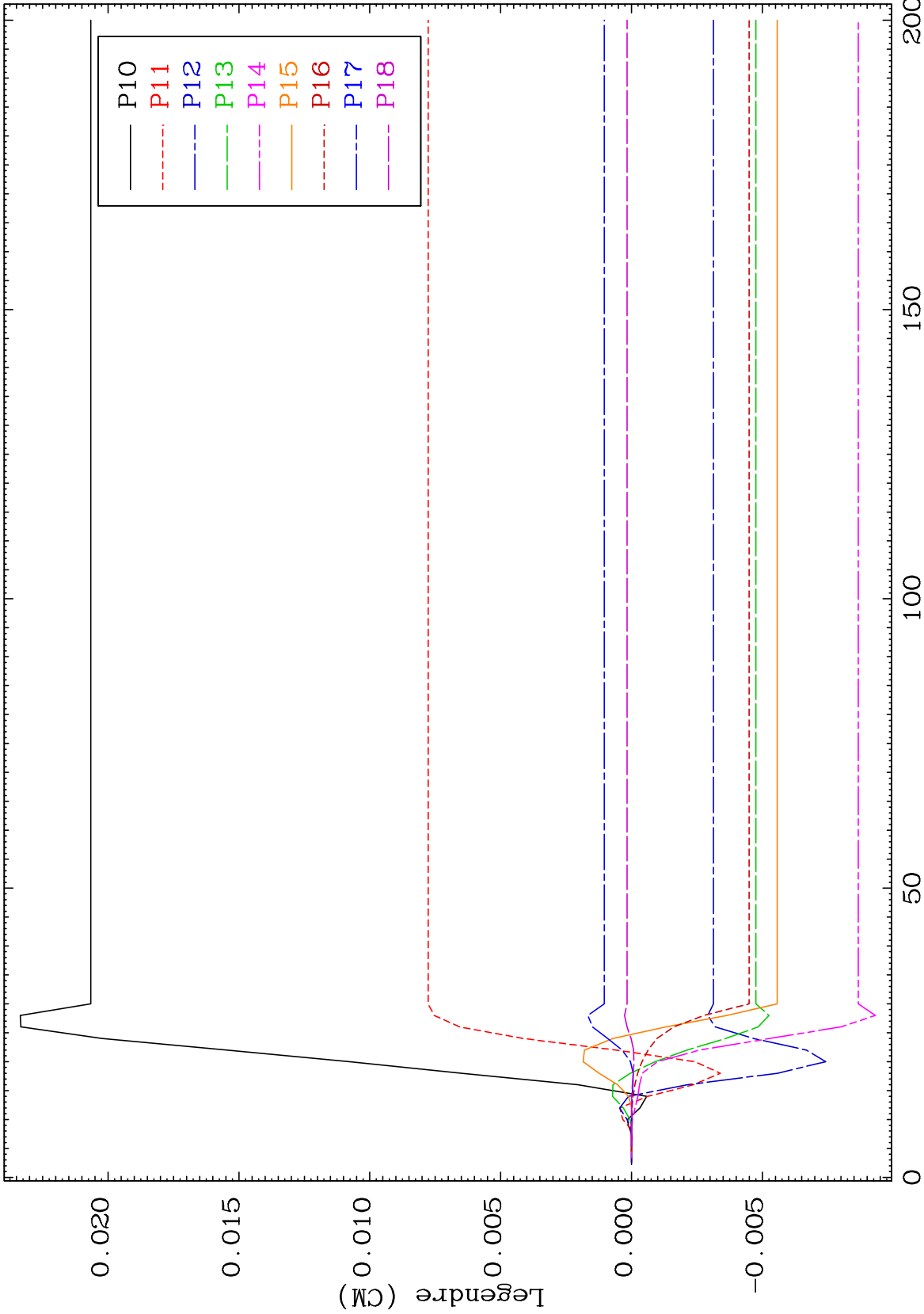
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



48

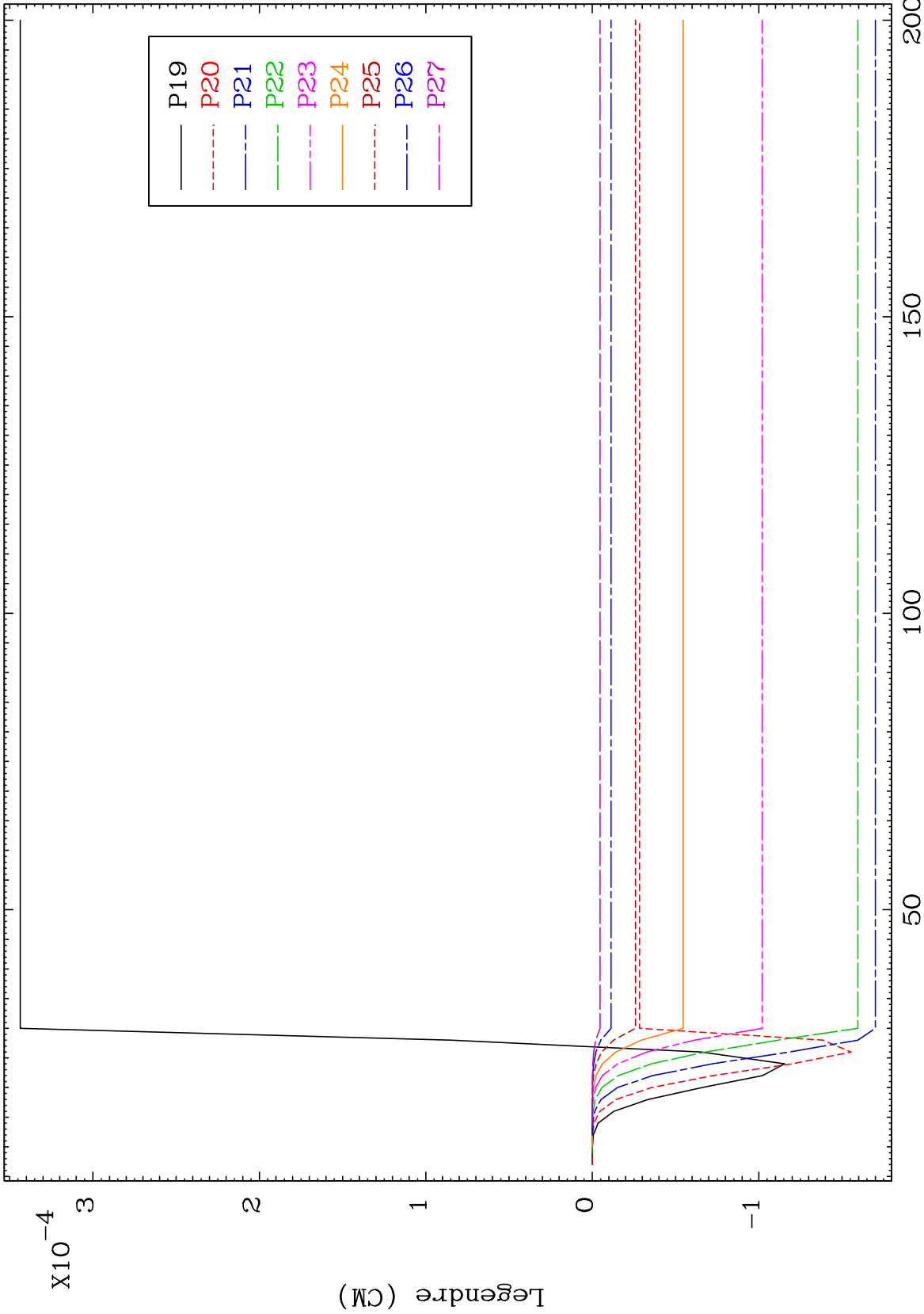
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



49

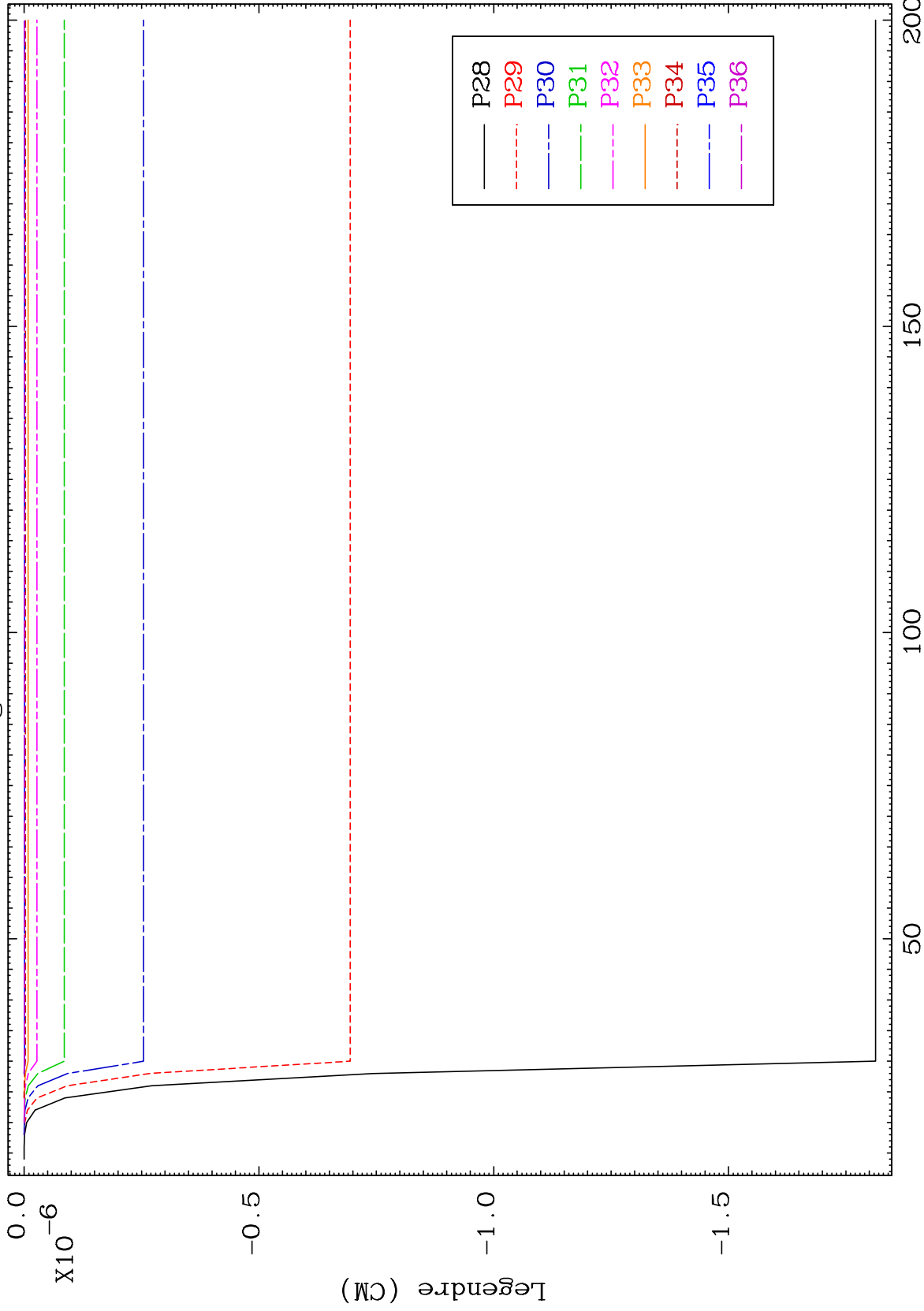
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146

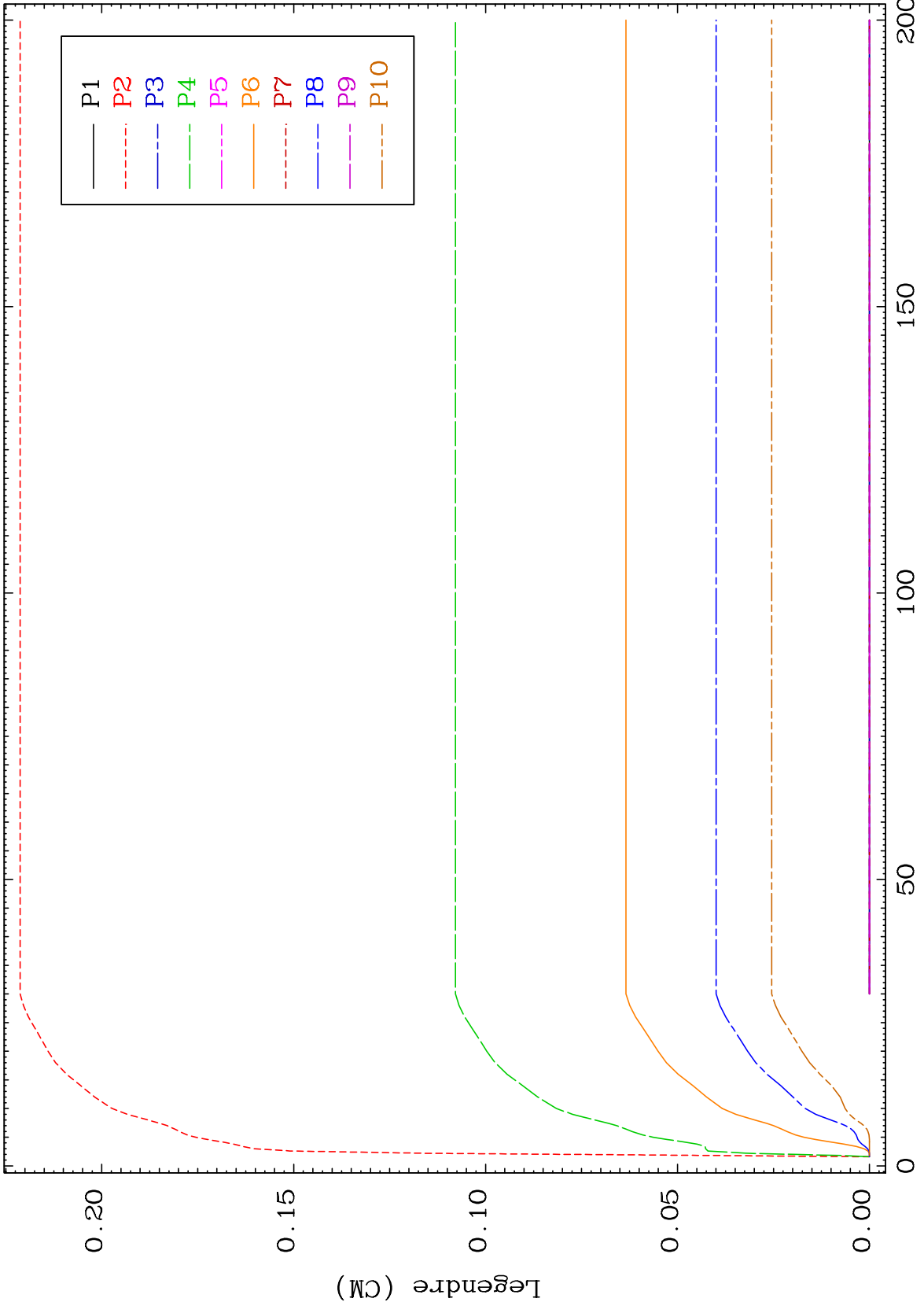


60-Nd-146

Incident Energy (MeV)

50

MAT 6037 MT= 59 (n,n') Level Legendre Coefficients 60-Nd-146

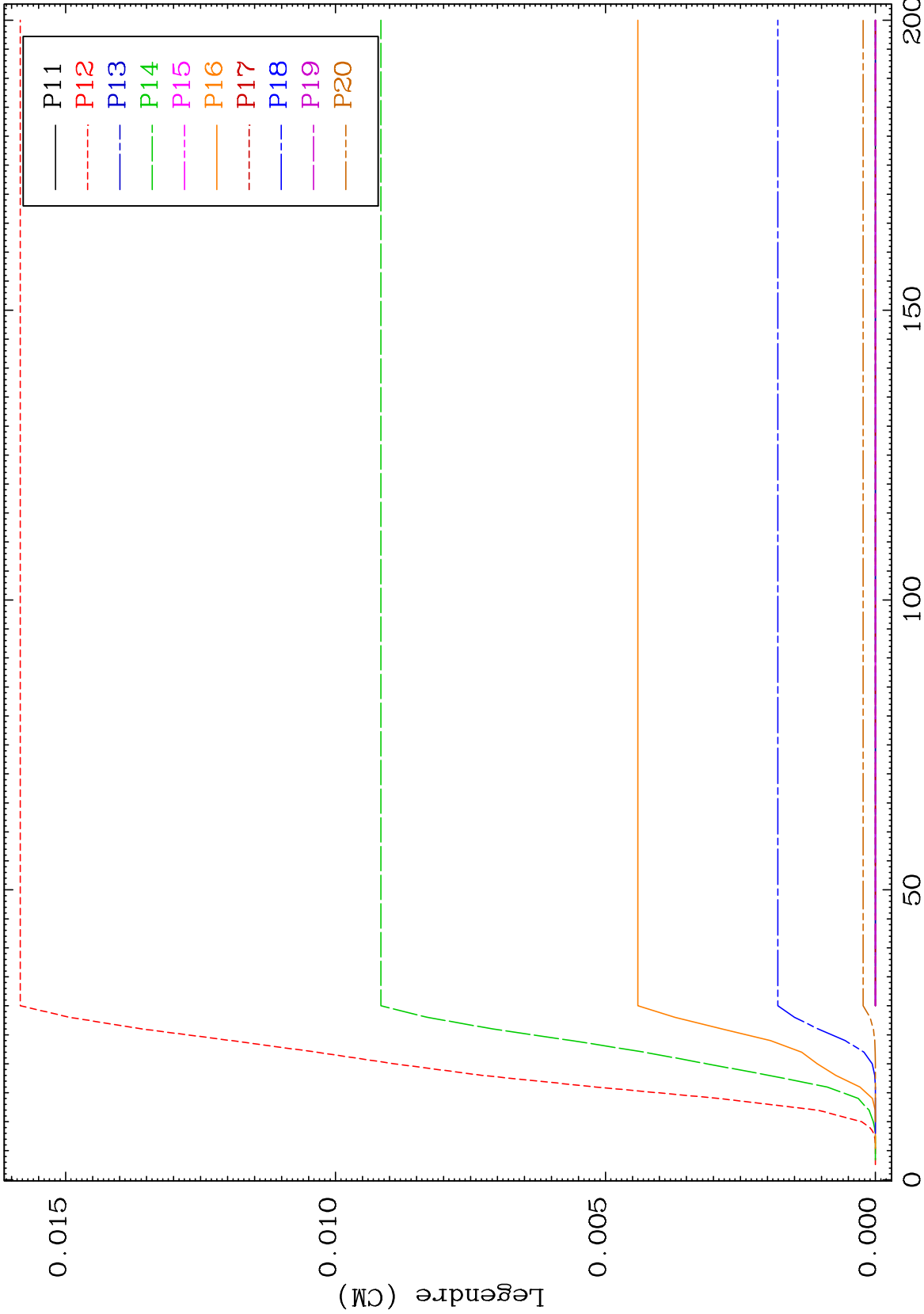


51 60-Nd-146

MAT 6037

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

60-Nd-146



52

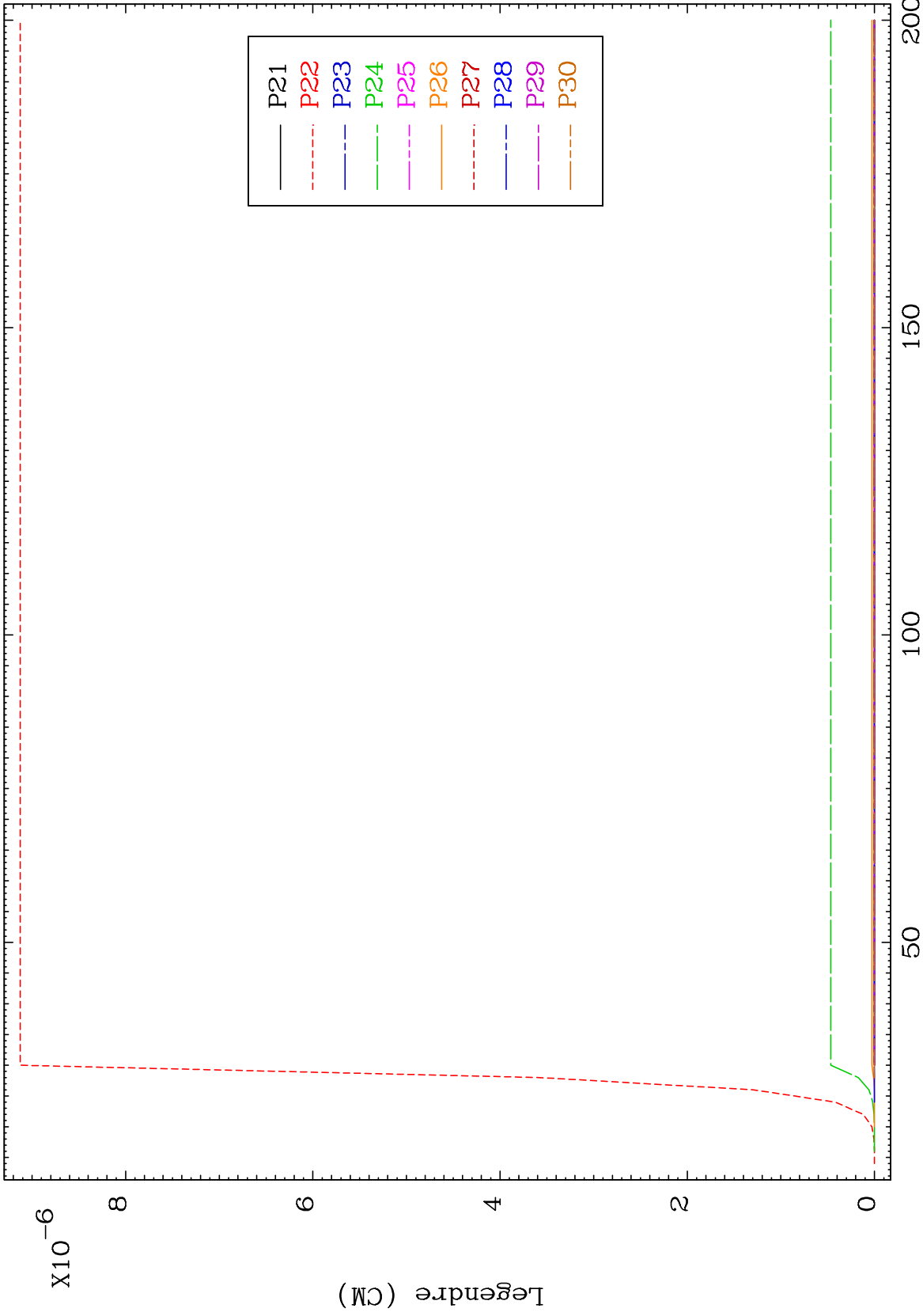
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146

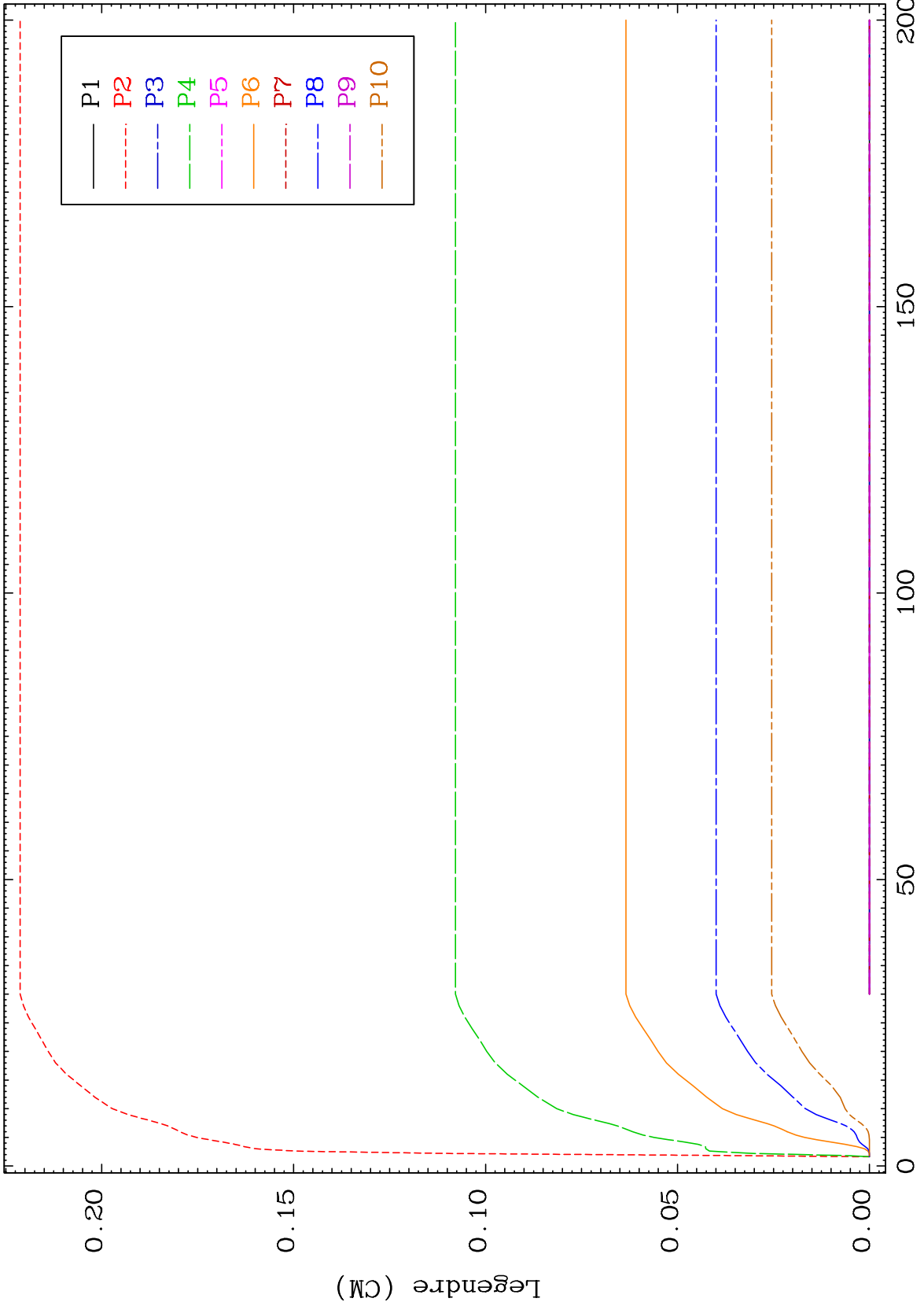


53

Incident Energy (MeV)

60-Nd-146

MAT 6037 MT= 60 (n,n') Level Legendre Coefficients 60-Nd-146

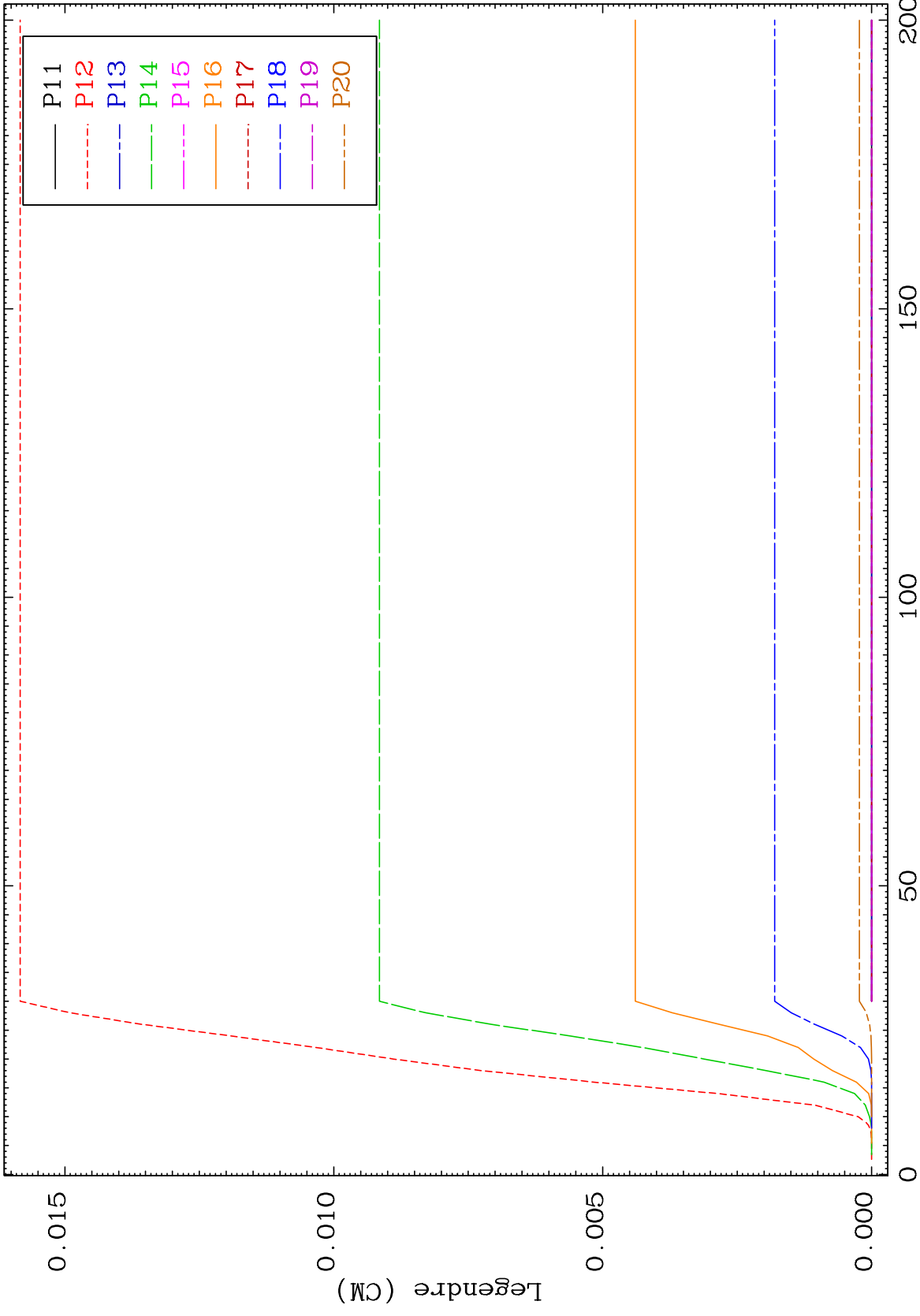


54 Incident Energy (MeV) 60-Nd-146

MAT 6037

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

60-Nd-146



55

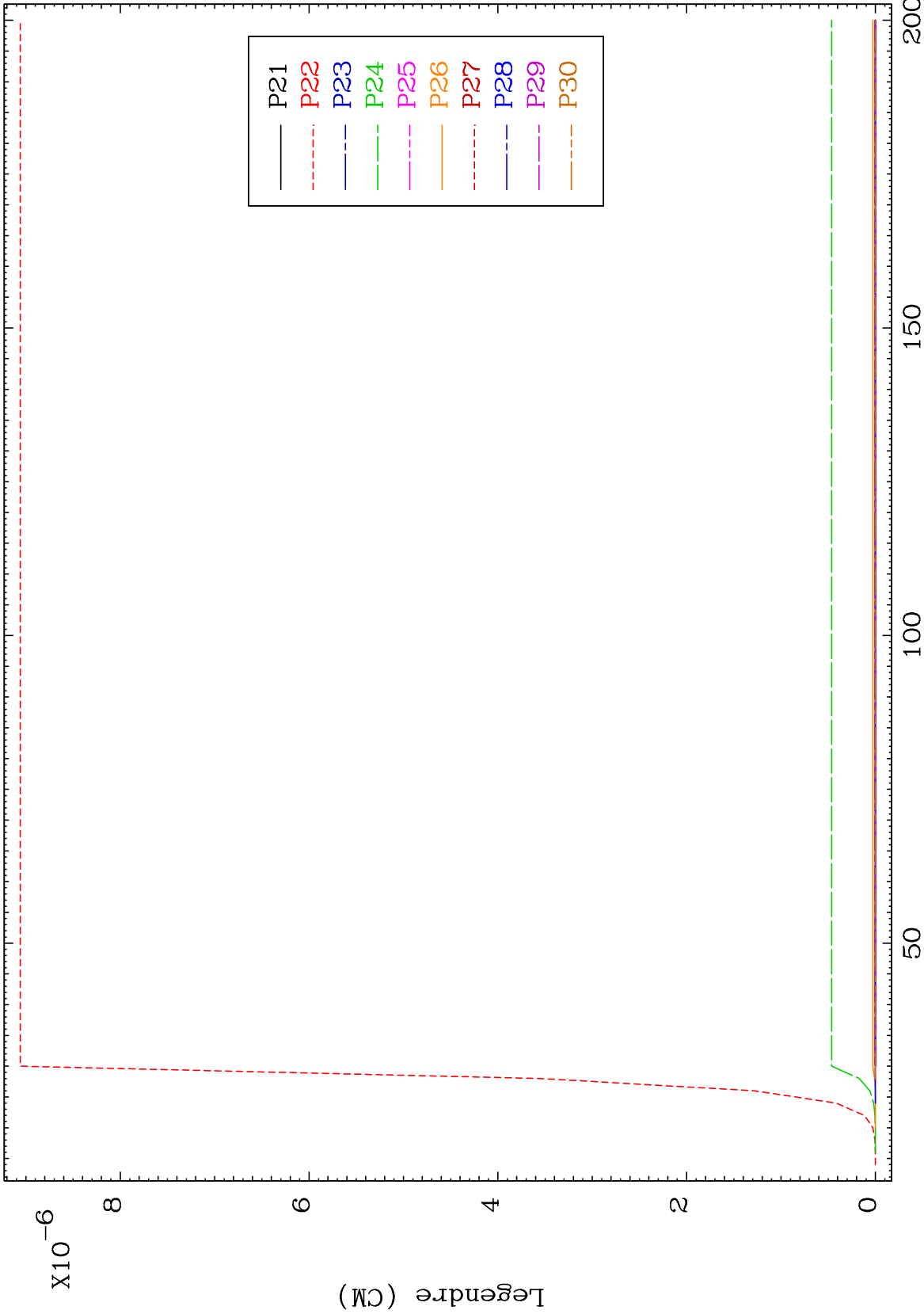
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



56

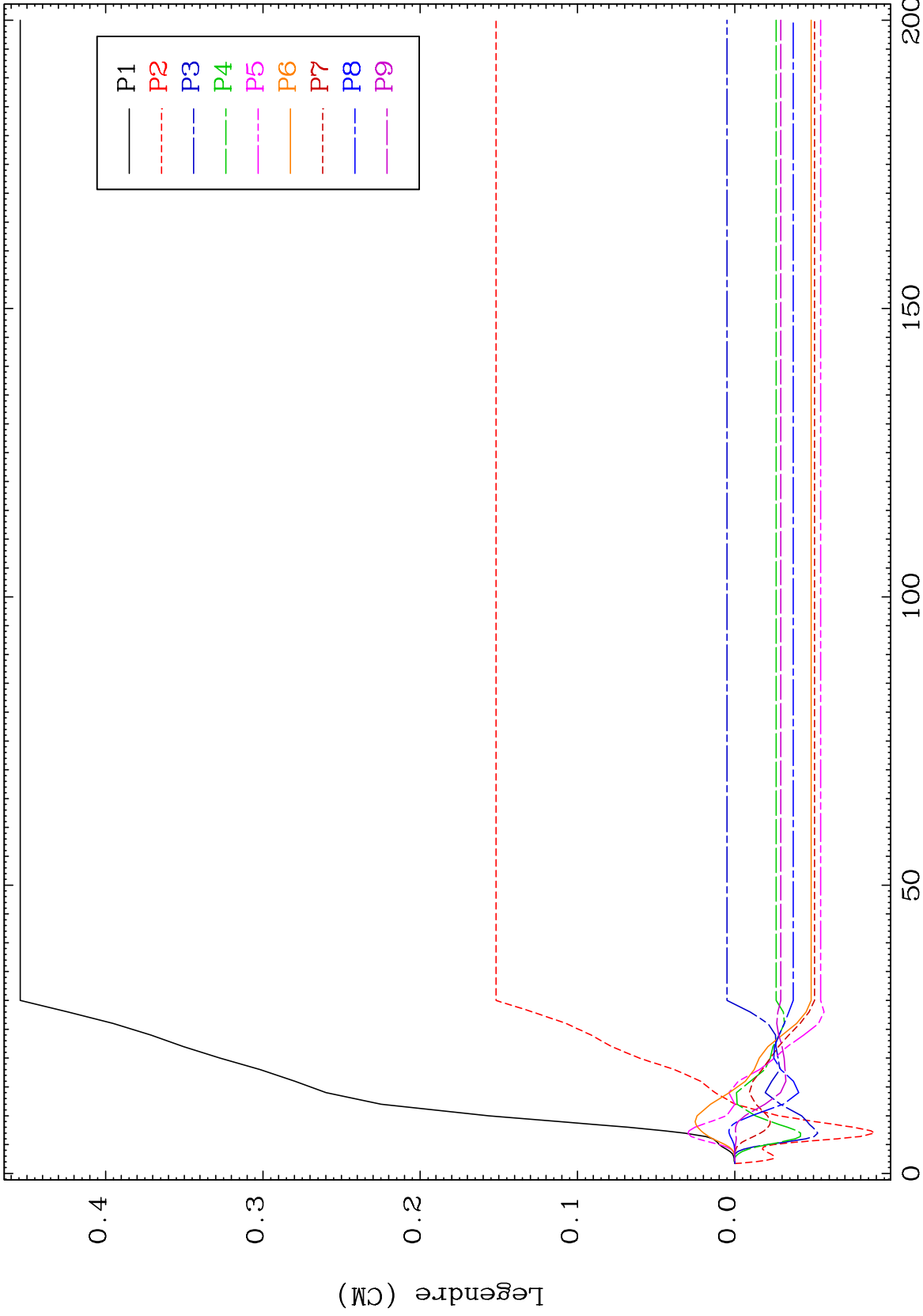
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



57

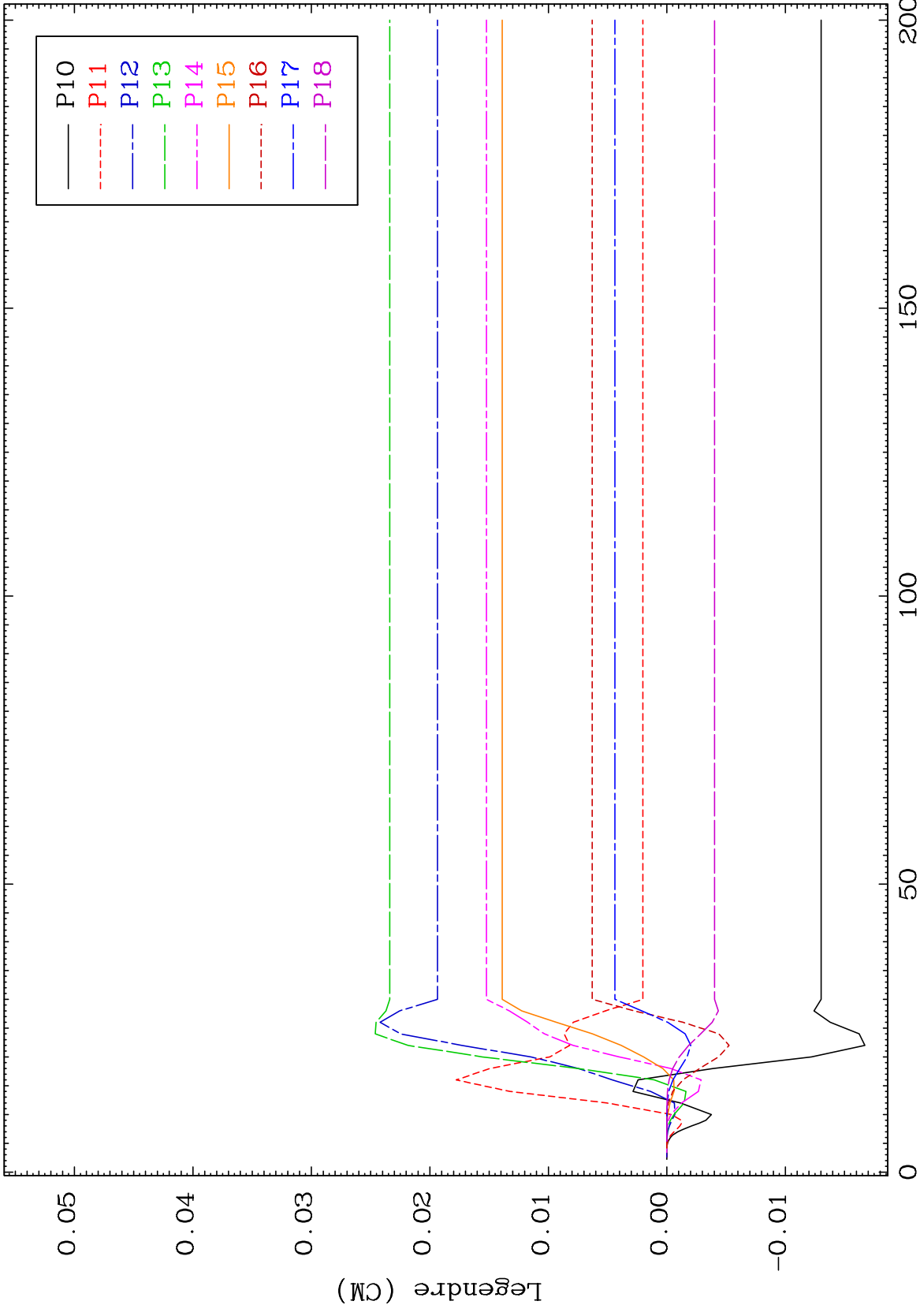
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



58

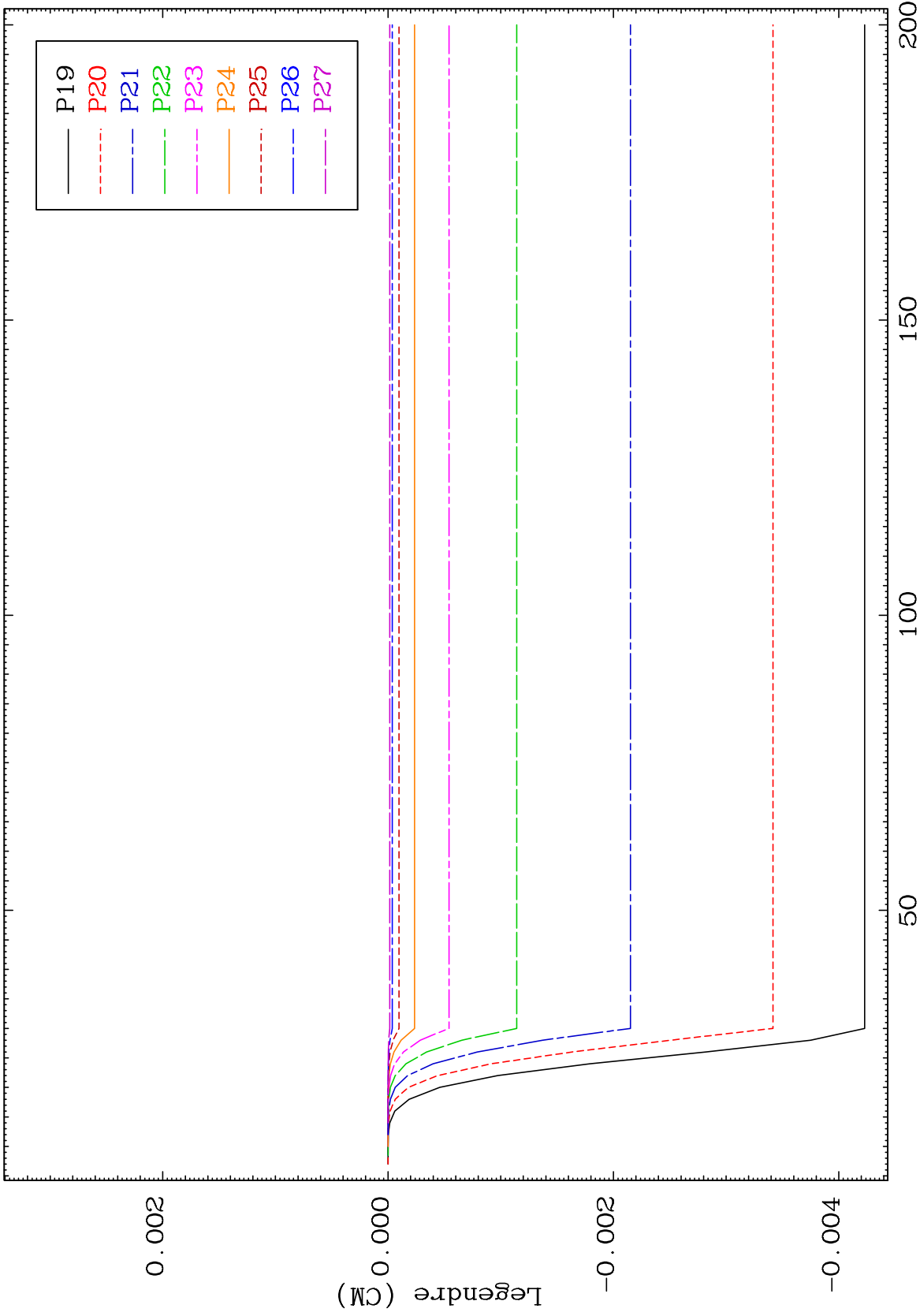
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



59

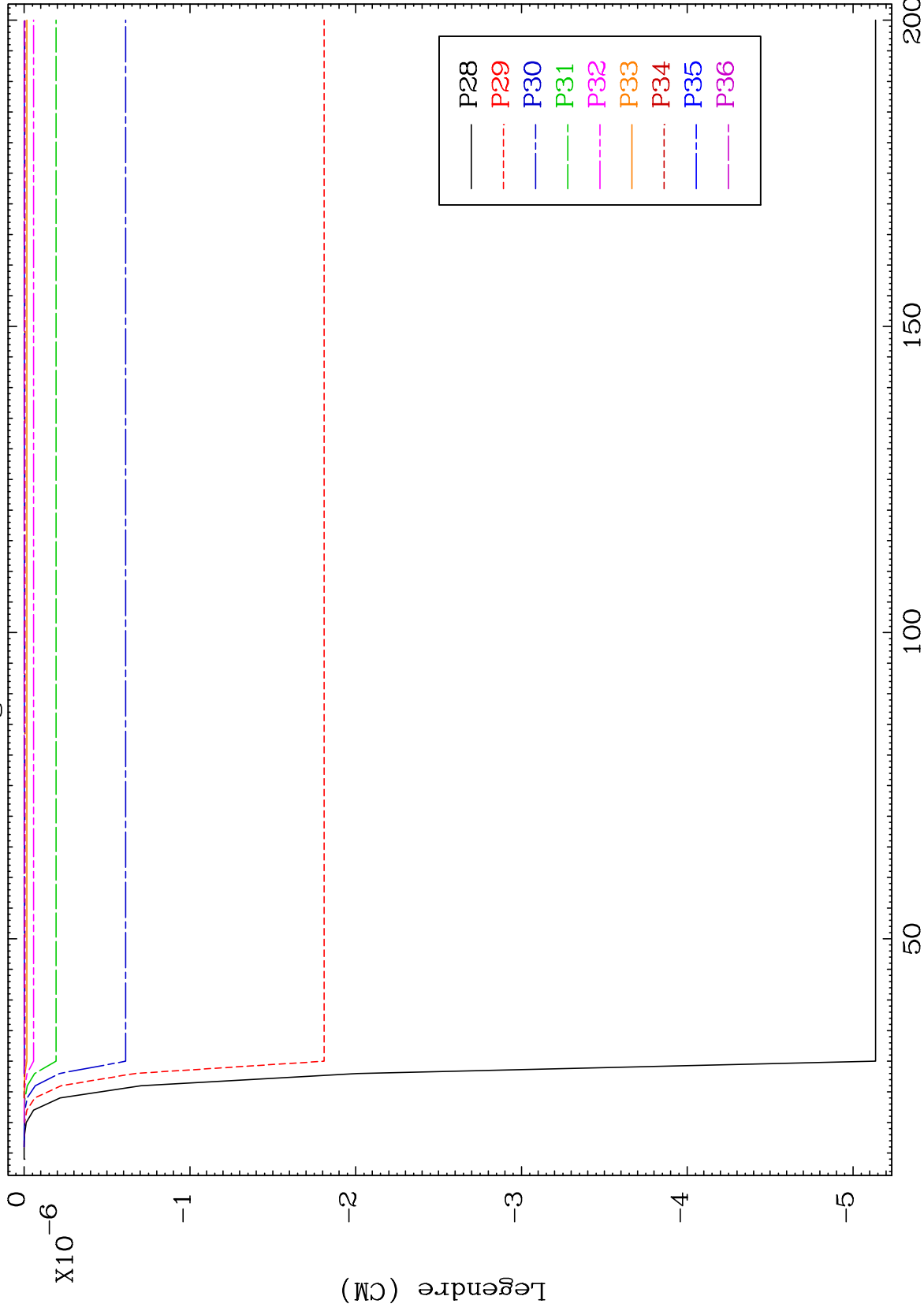
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146

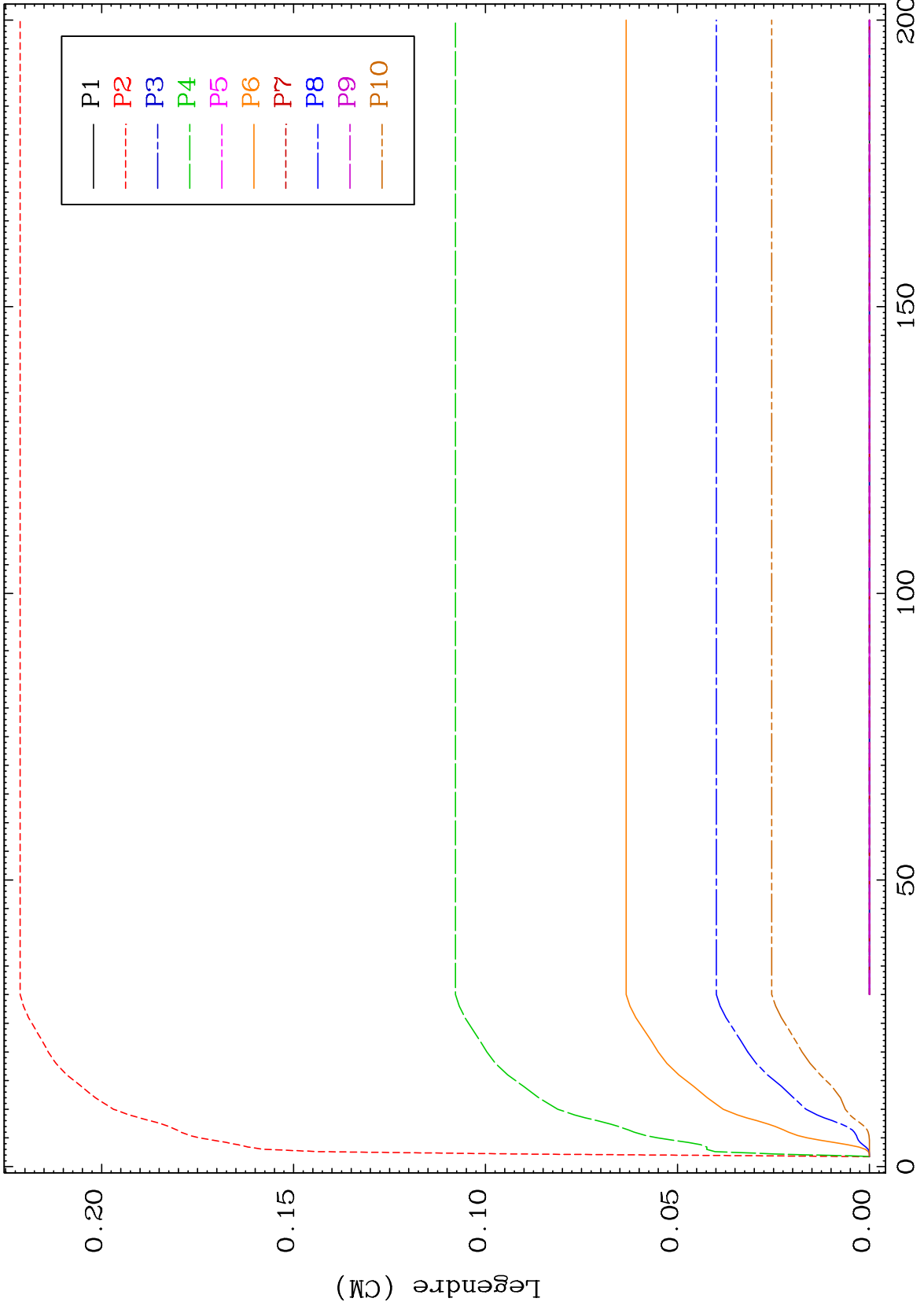


60-Nd-146

Incident Energy (MeV)

60

MAT 6037 MT= 62 (n,n') Level Legendre Coefficients 60-Nd-146

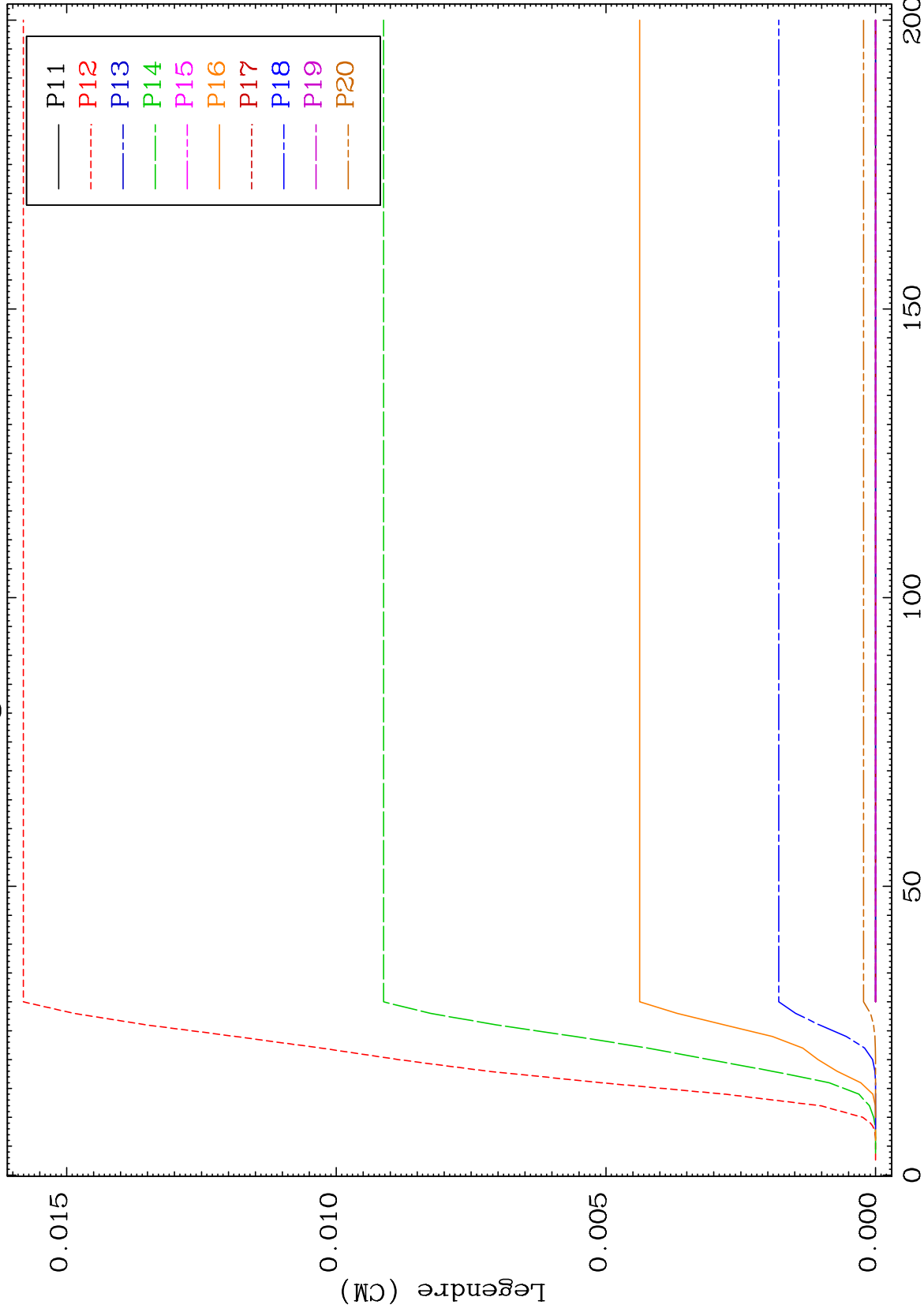


61 60-Nd-146

MAT 6037

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

60-Nd-146

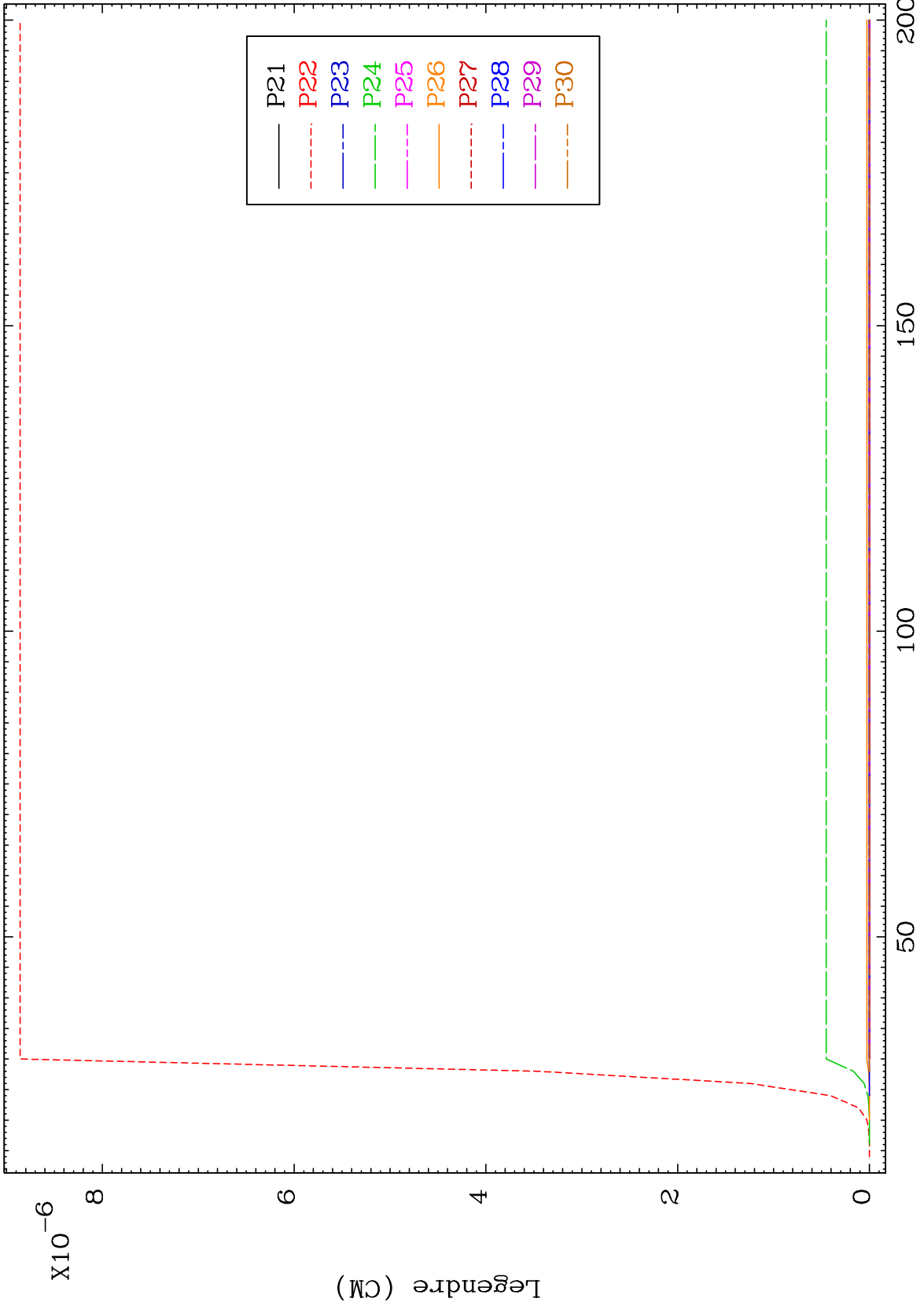


62

Incident Energy (MeV)

60-Nd-146

MAT 6037 MT= 62 (n,n') Level Legendre Coefficients 60-Nd-146

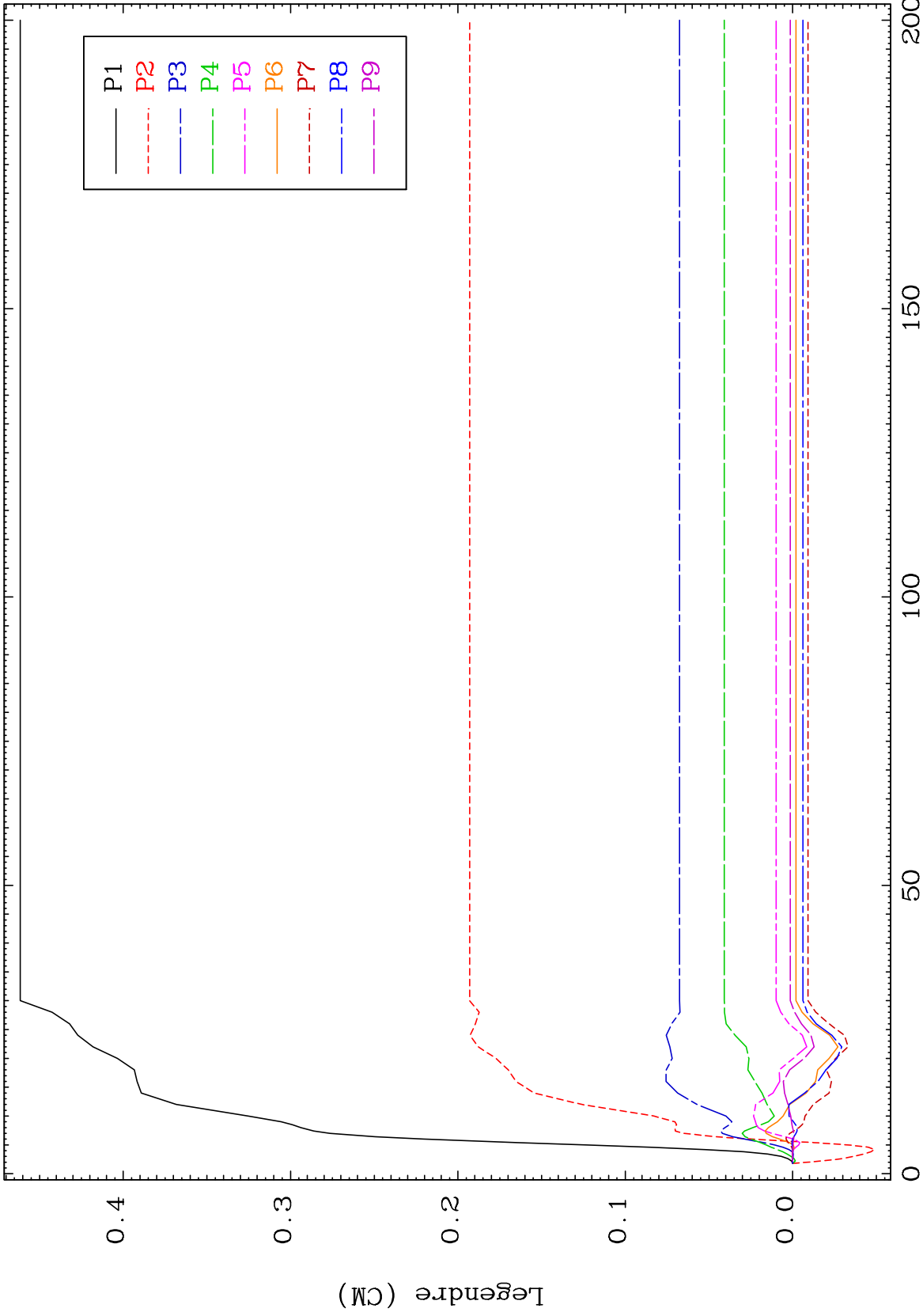


63 Incident Energy (MeV) 60-Nd-146

MAT 6037

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

60-Nd-146



64

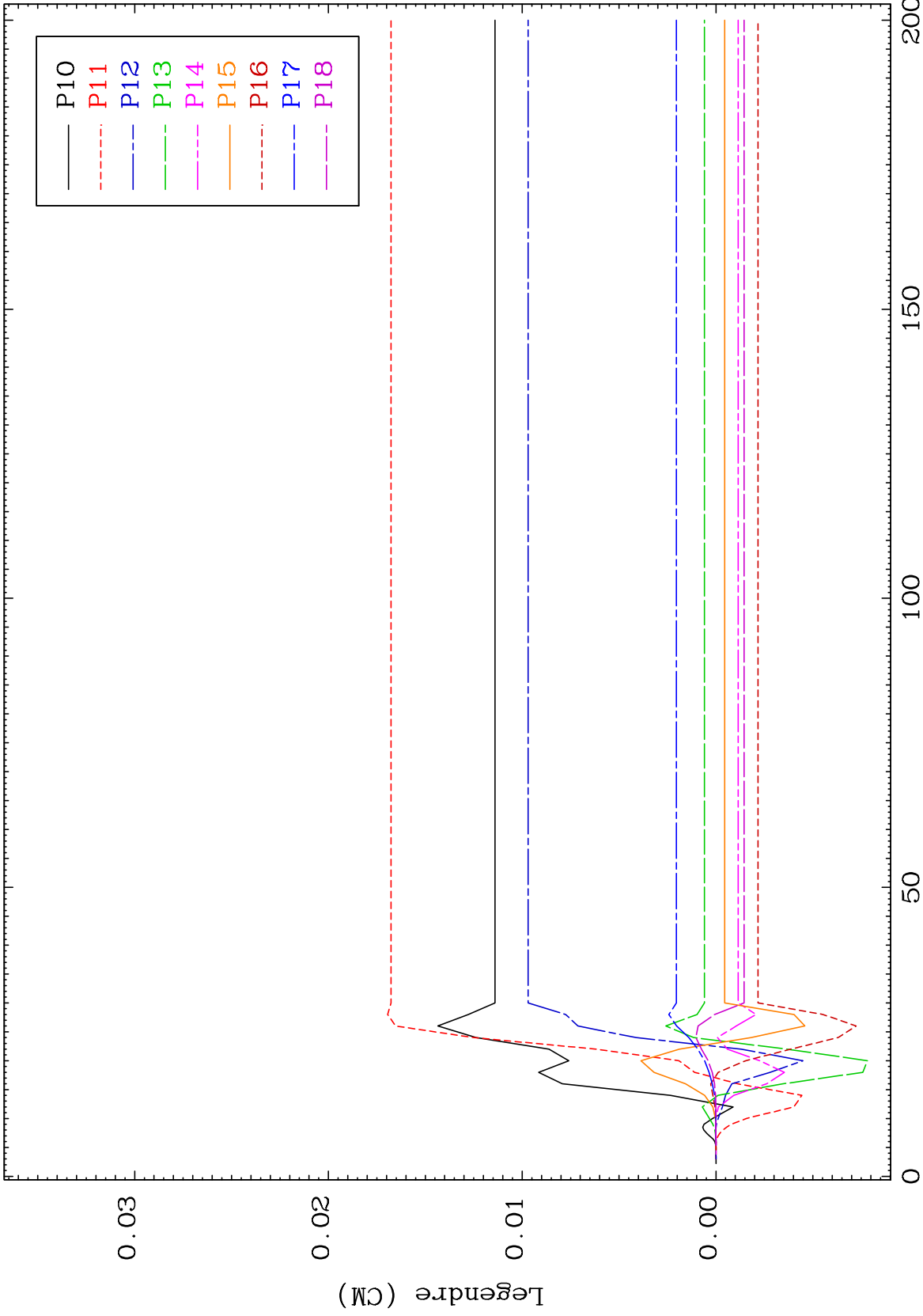
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



65

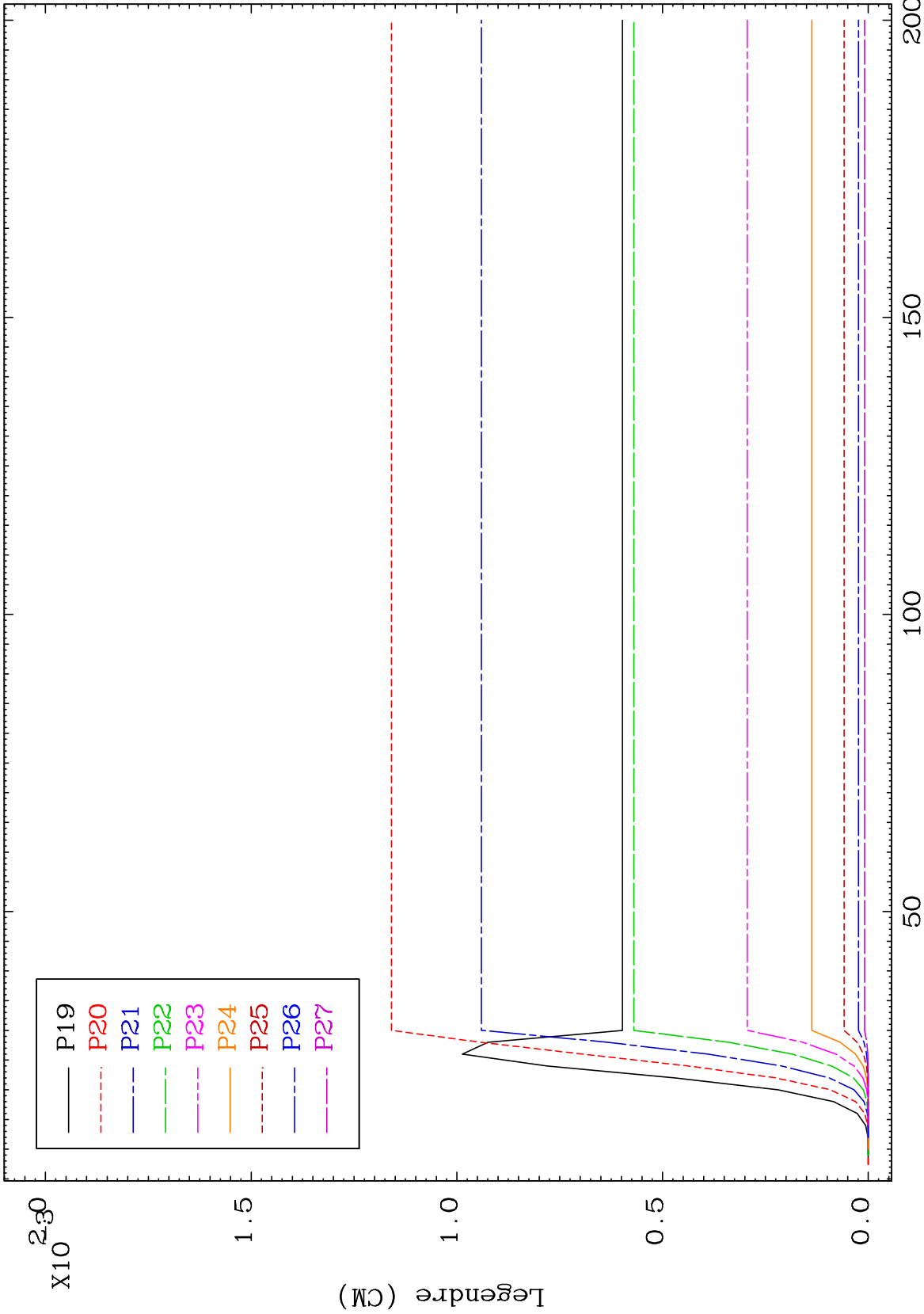
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

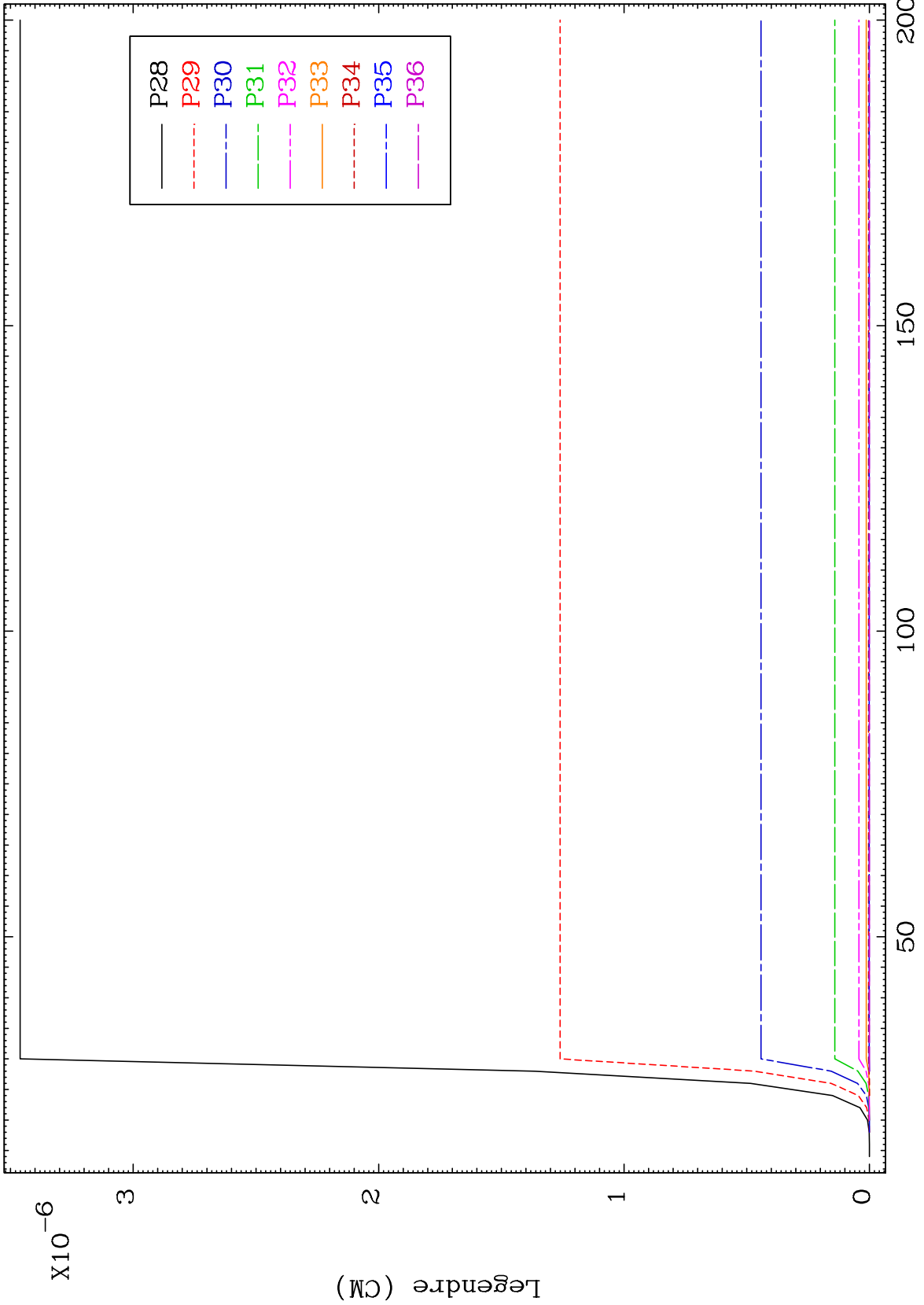
60-Nd-146



MAT 6037

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

60-Nd-146



67

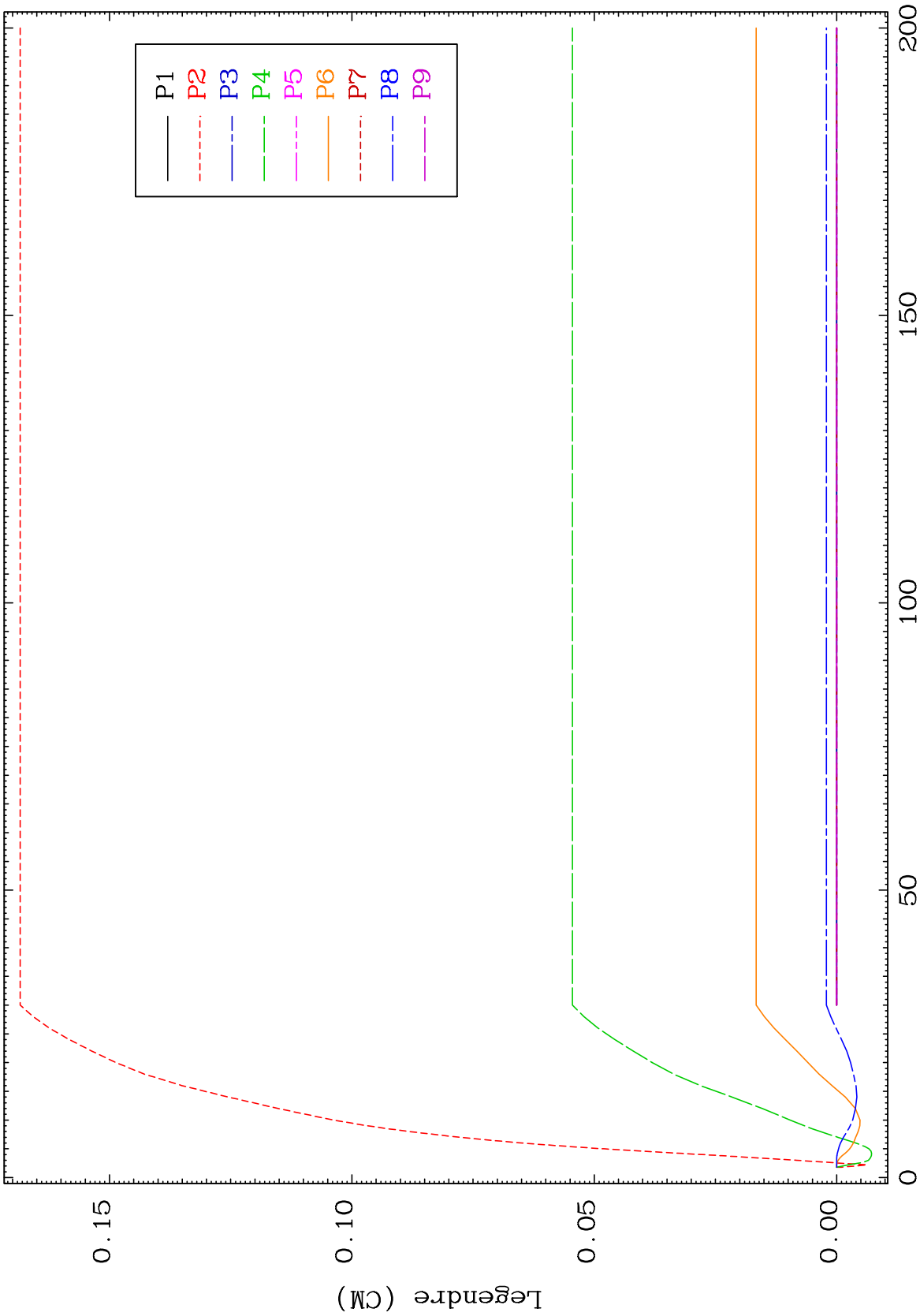
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



68

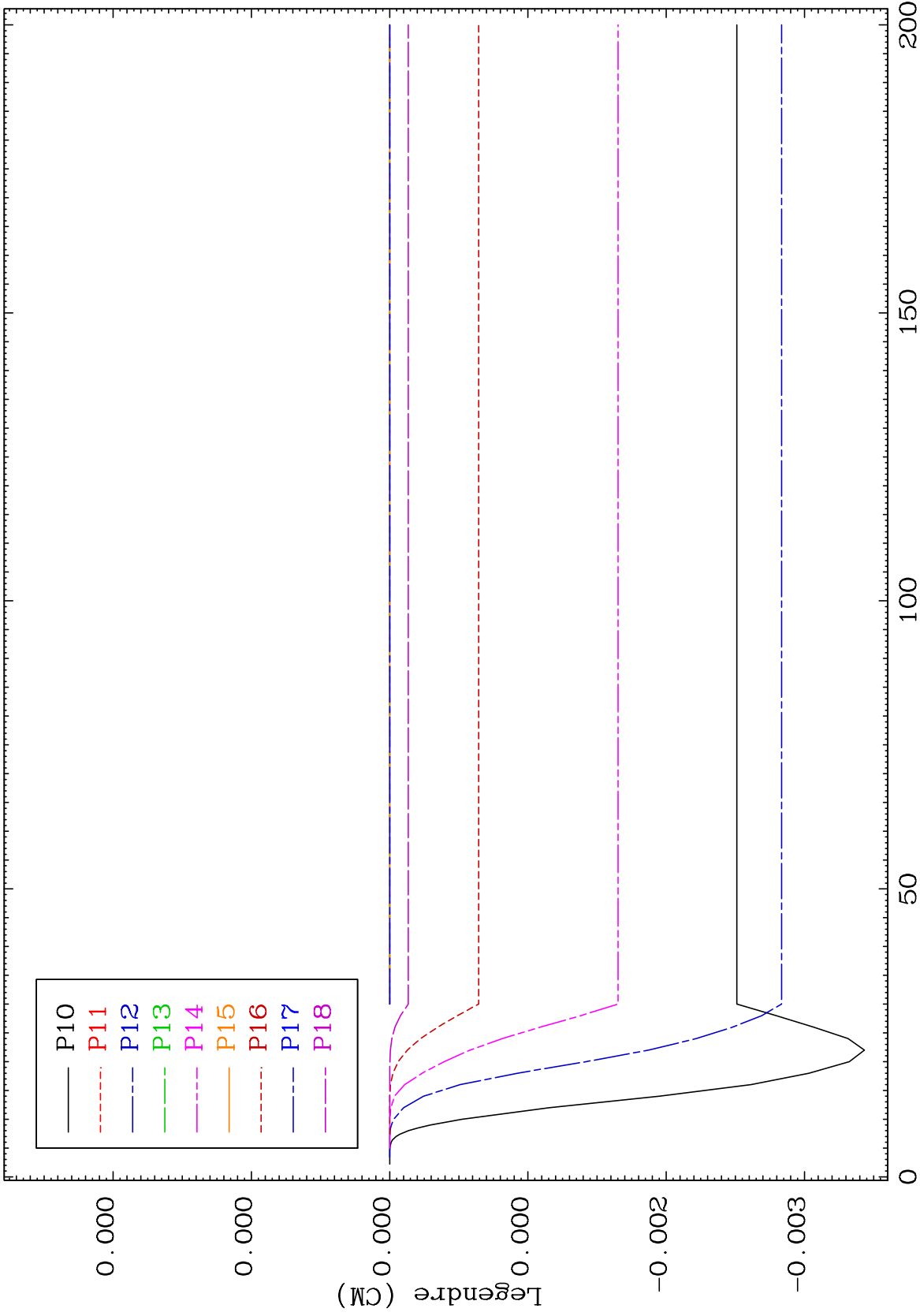
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



69

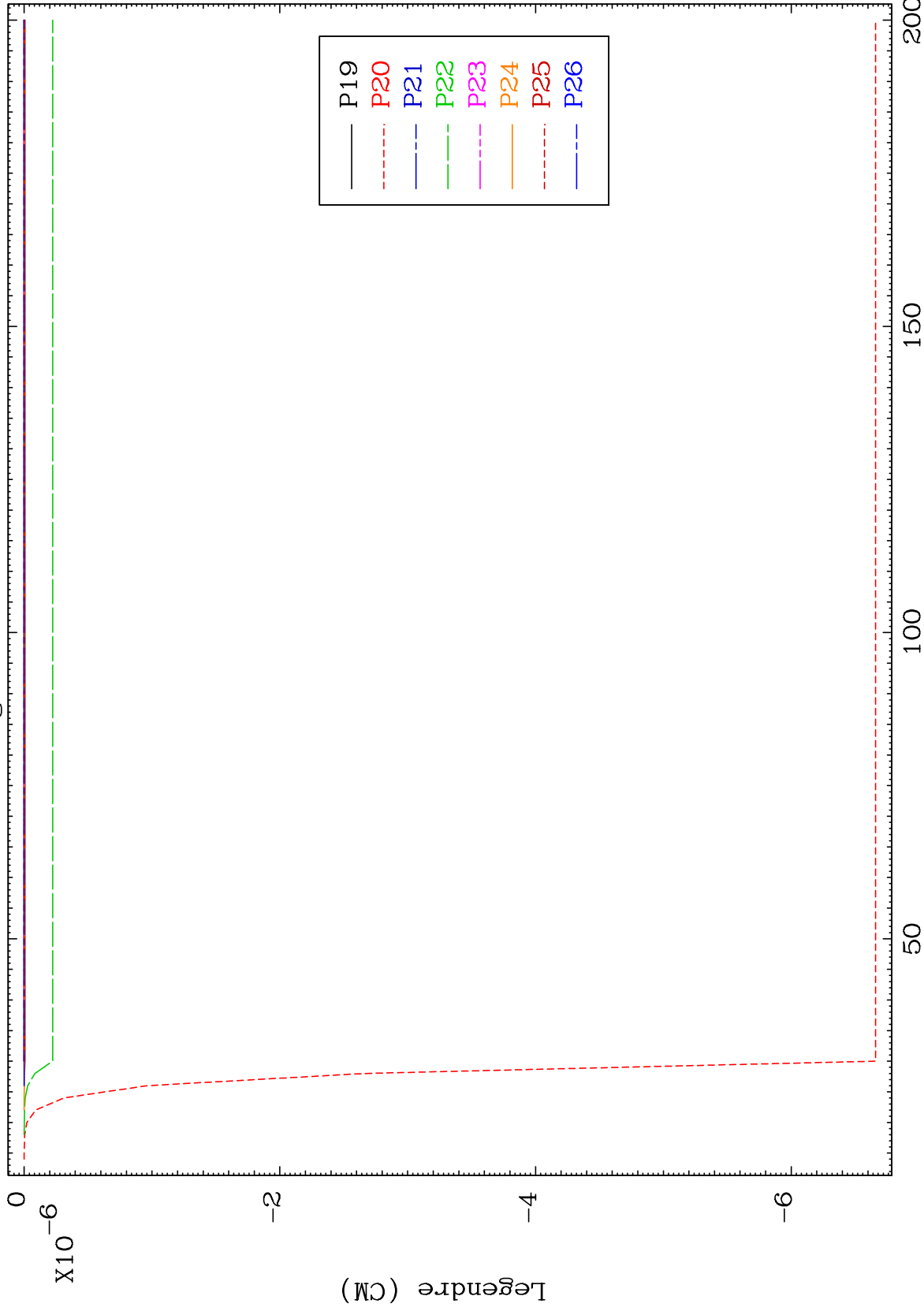
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



60-Nd-146

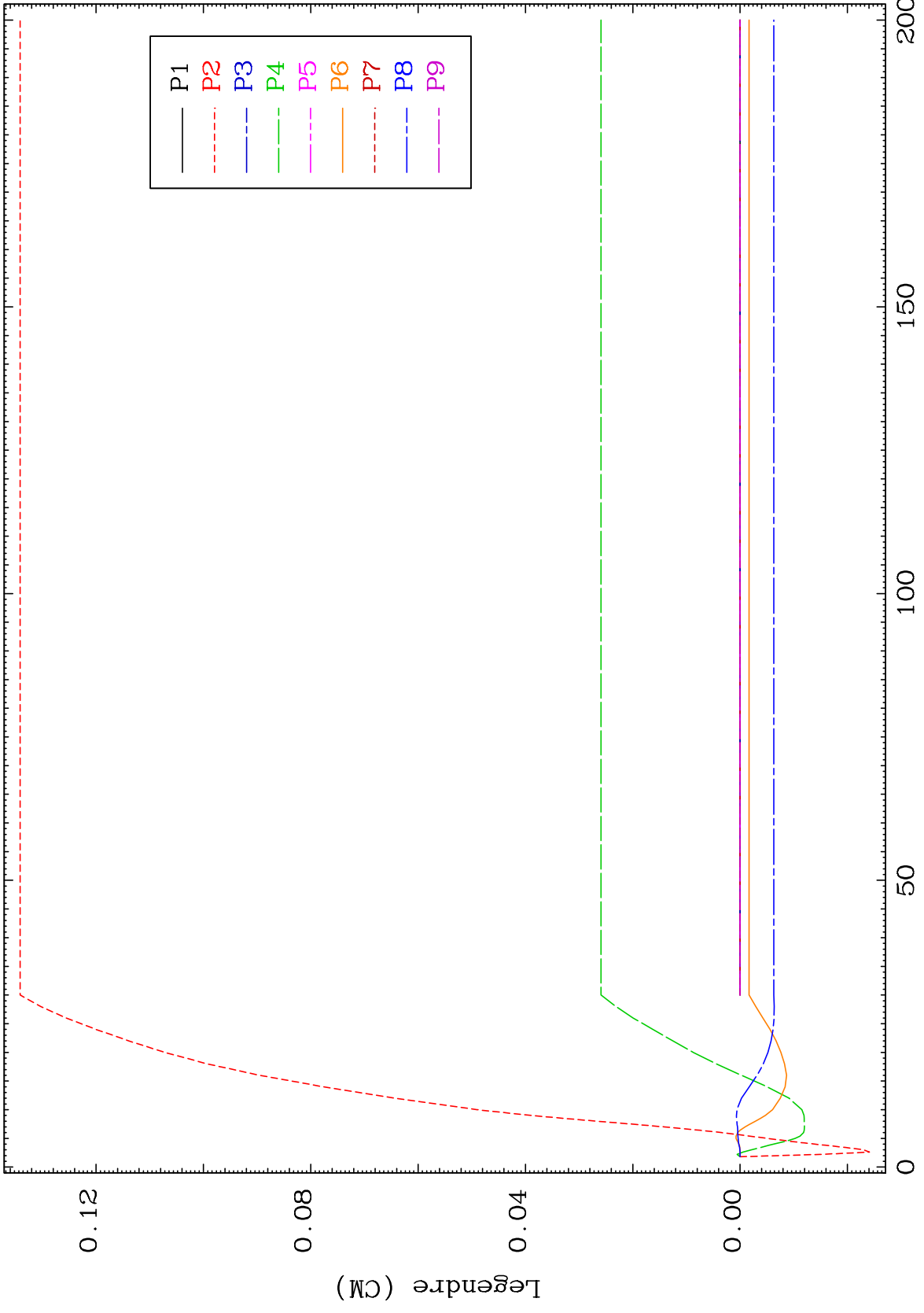
Incident Energy (MeV)

70

MAT 6037

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

60-Nd-146



71

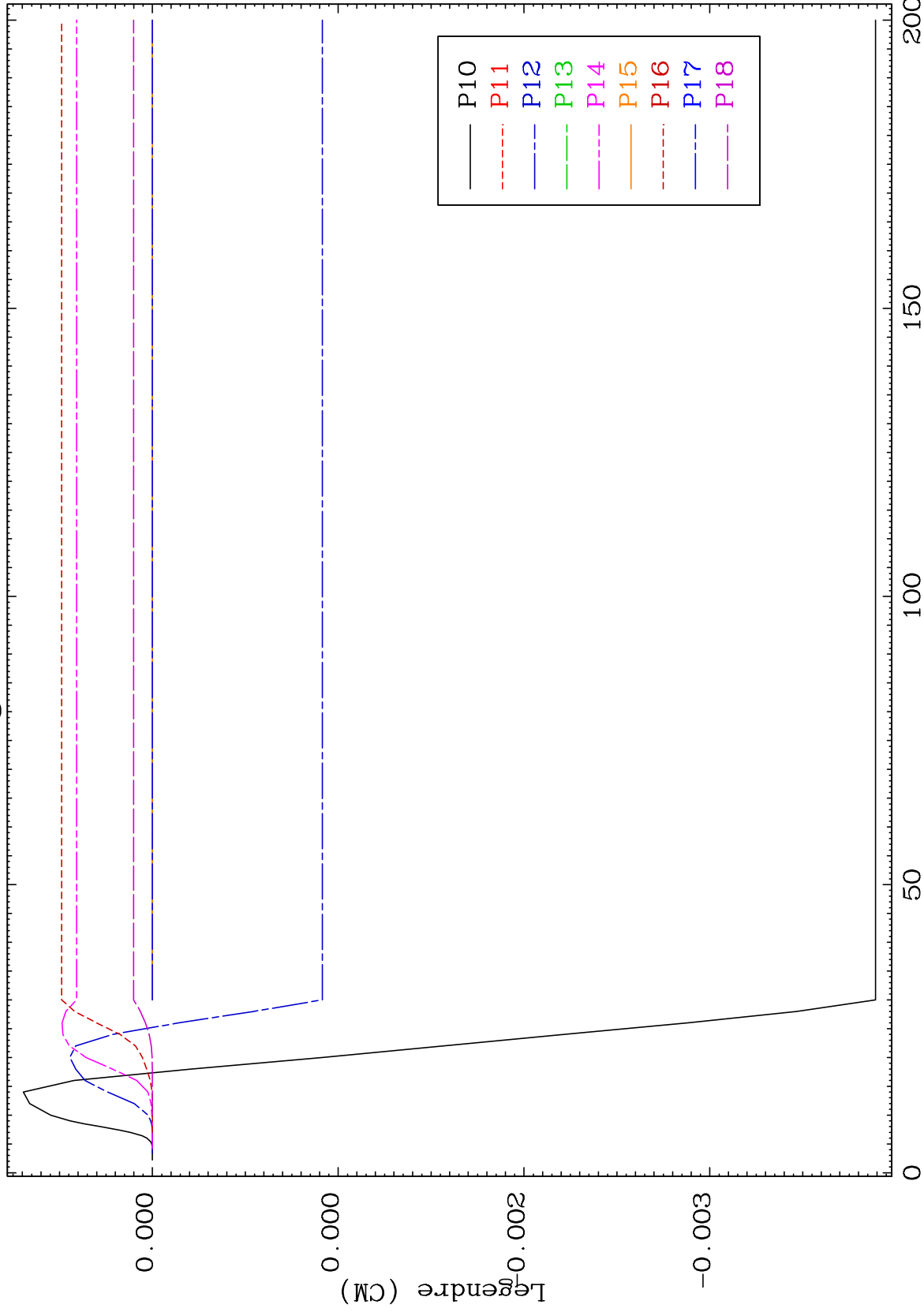
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



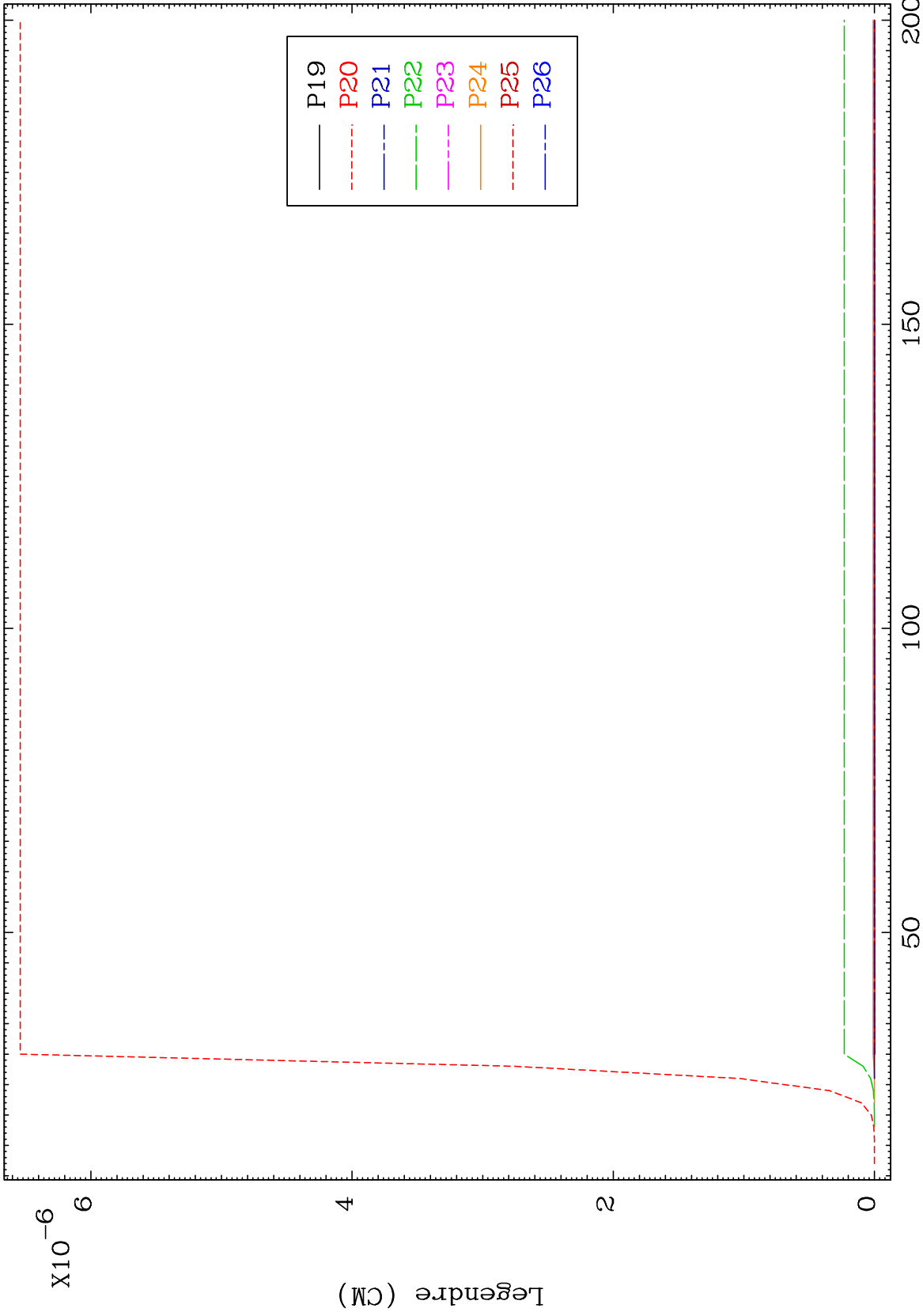
72

60-Nd-146

MAT 6037

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

60-Nd-146



60-Nd-146

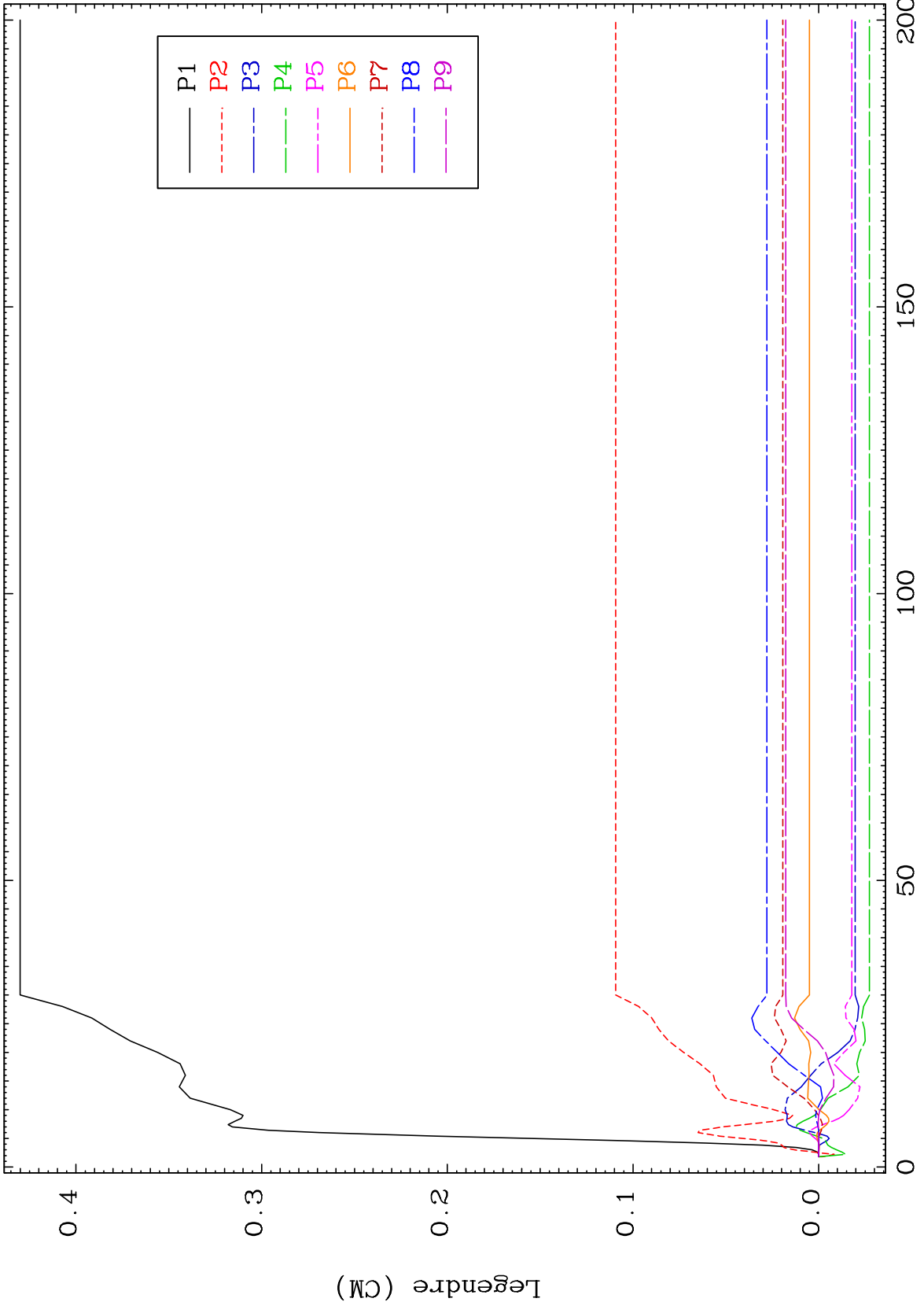
Incident Energy (MeV)

73

MAT 6037

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

60-Nd-146



74

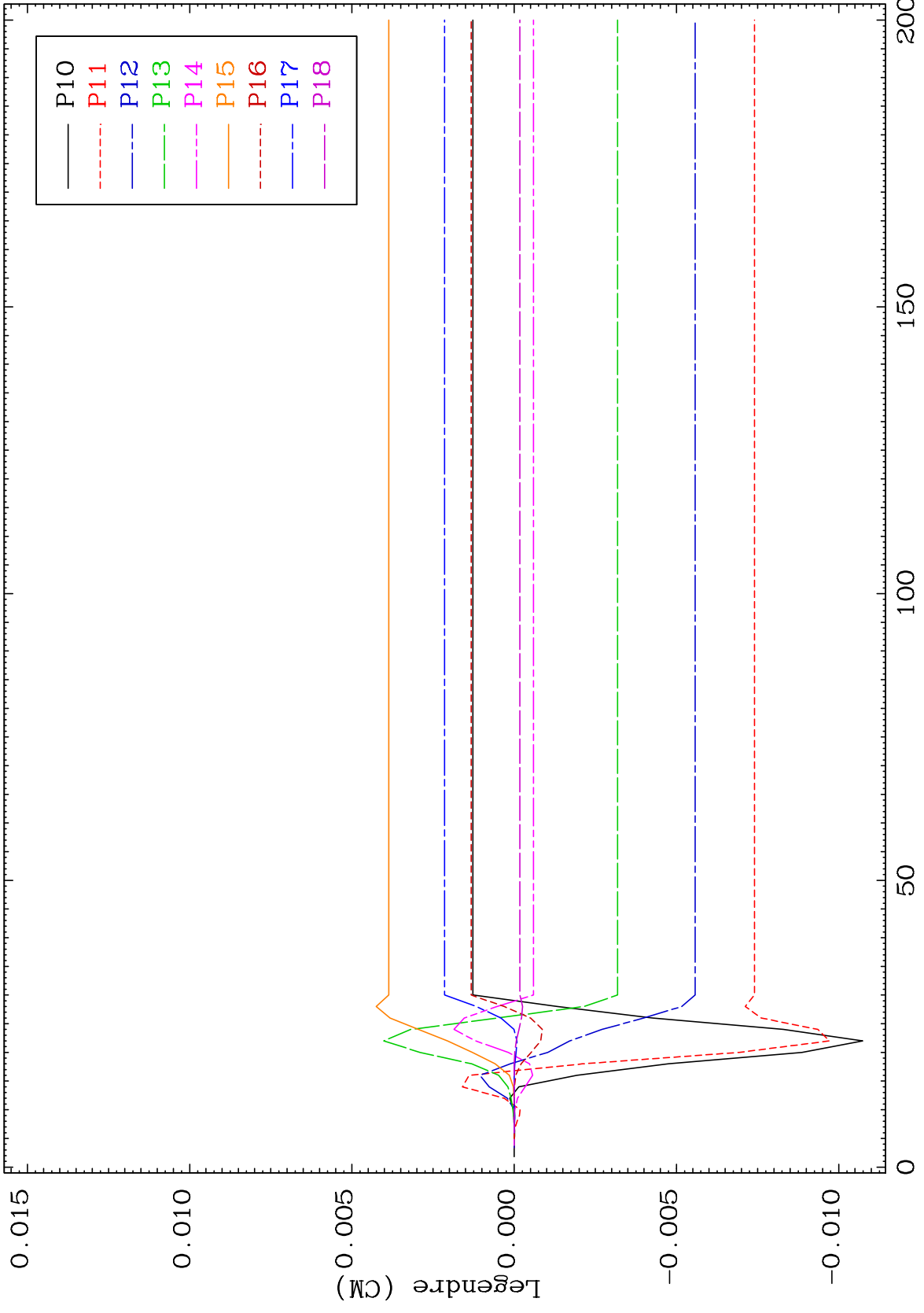
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



75

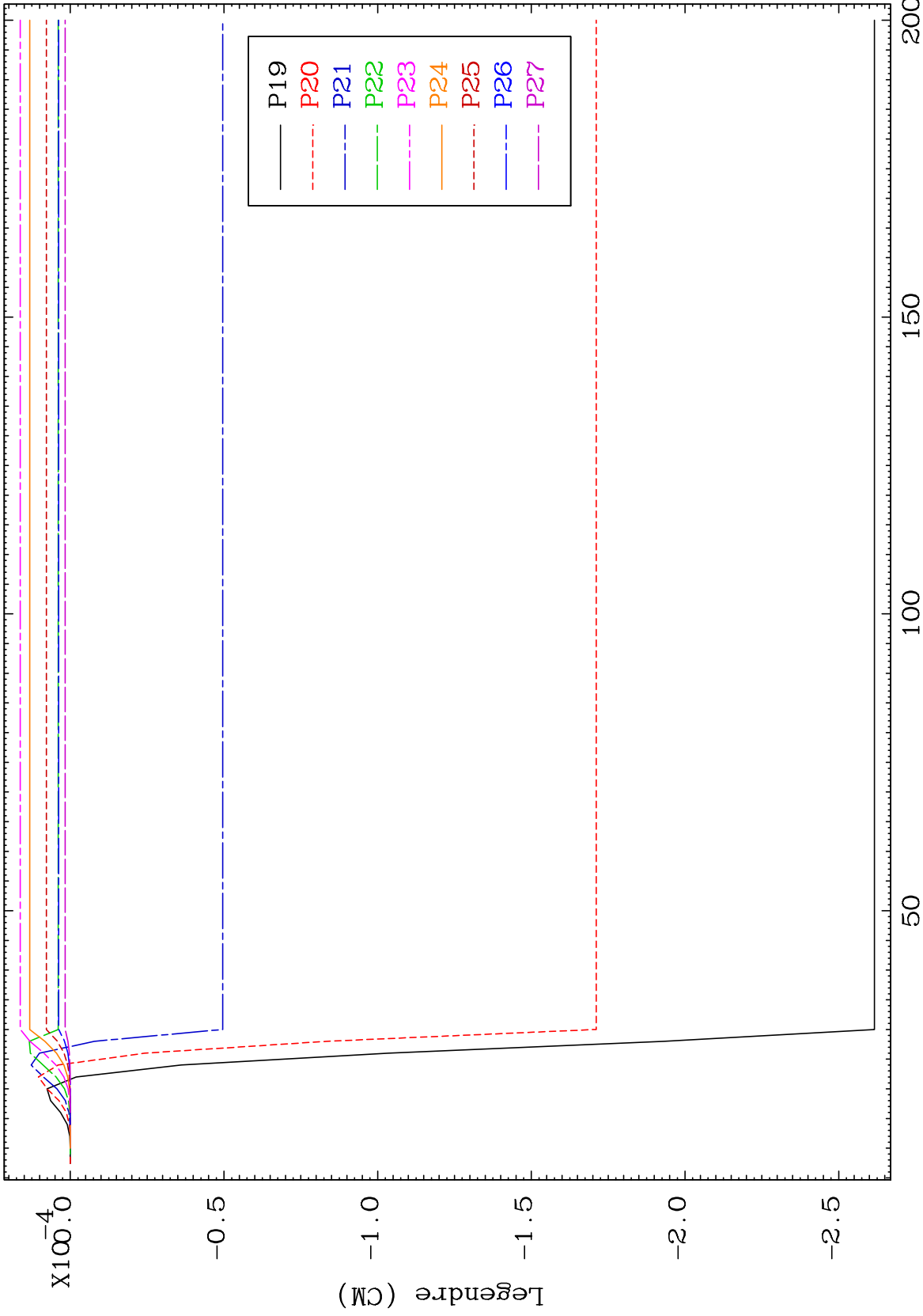
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



60-Nd-146

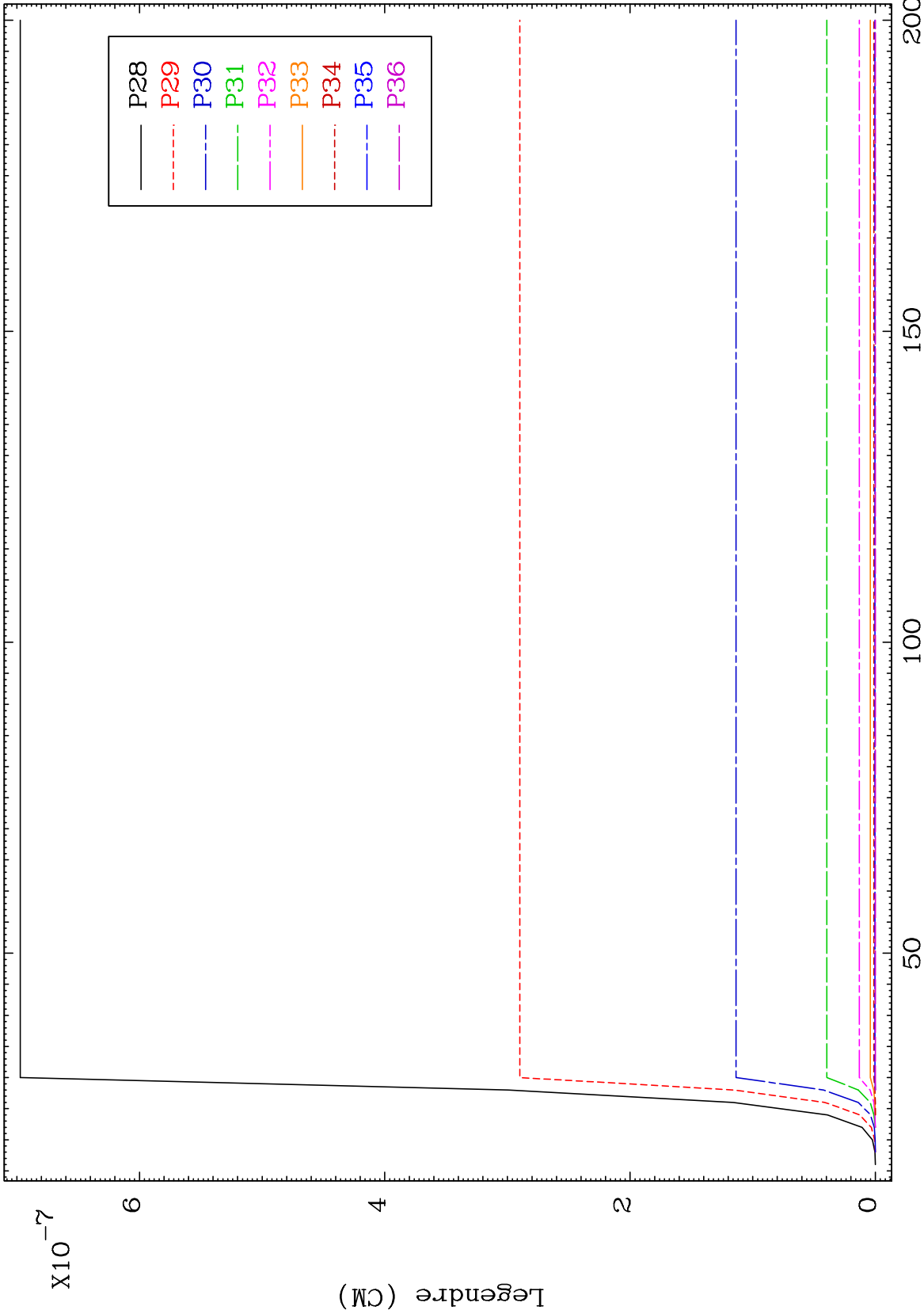
Incident Energy (MeV)

76

MAT 6037

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

60-Nd-146



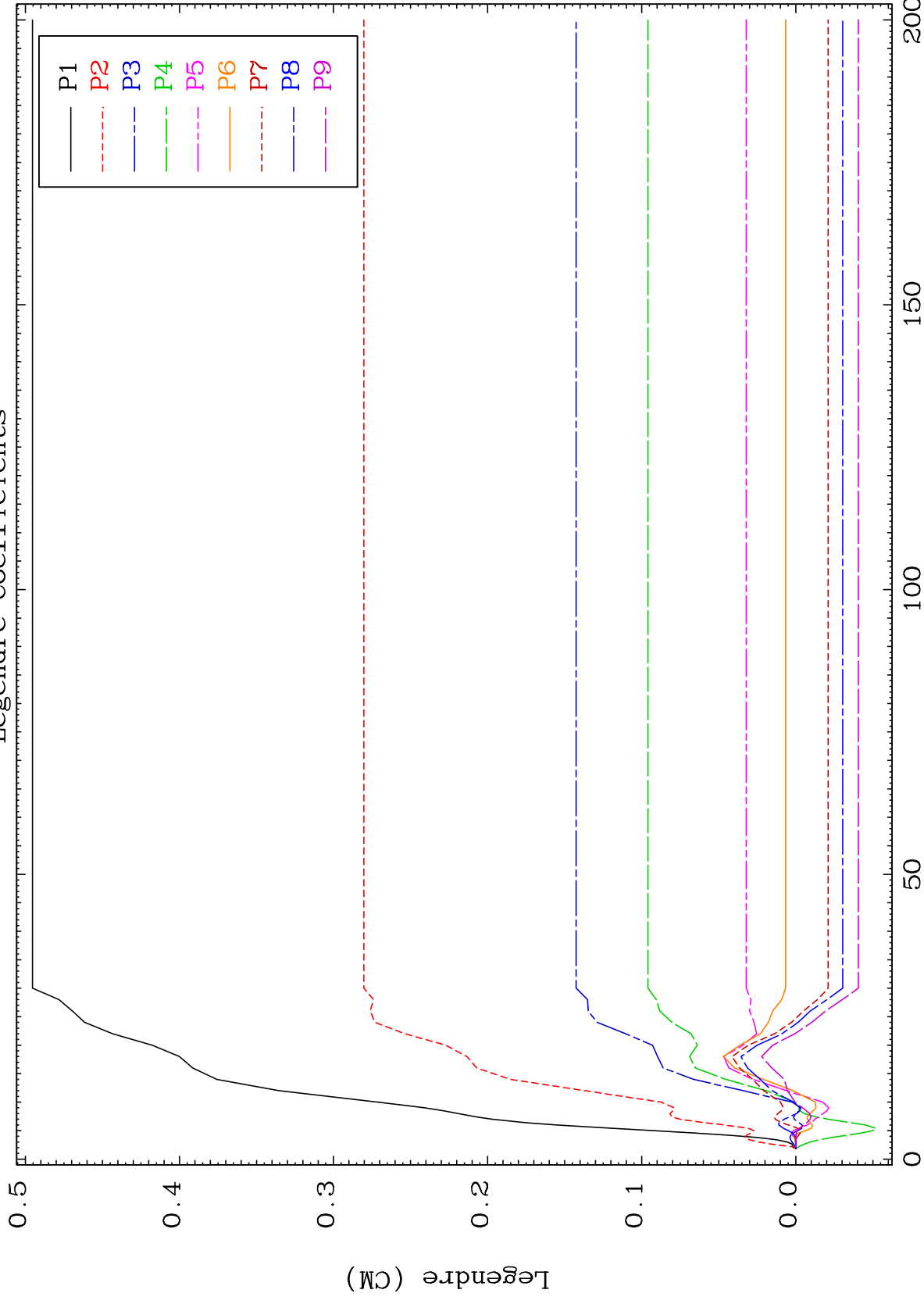
77

60-Nd-146

MAT 6037

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

60-Nd-146



60-Nd-146

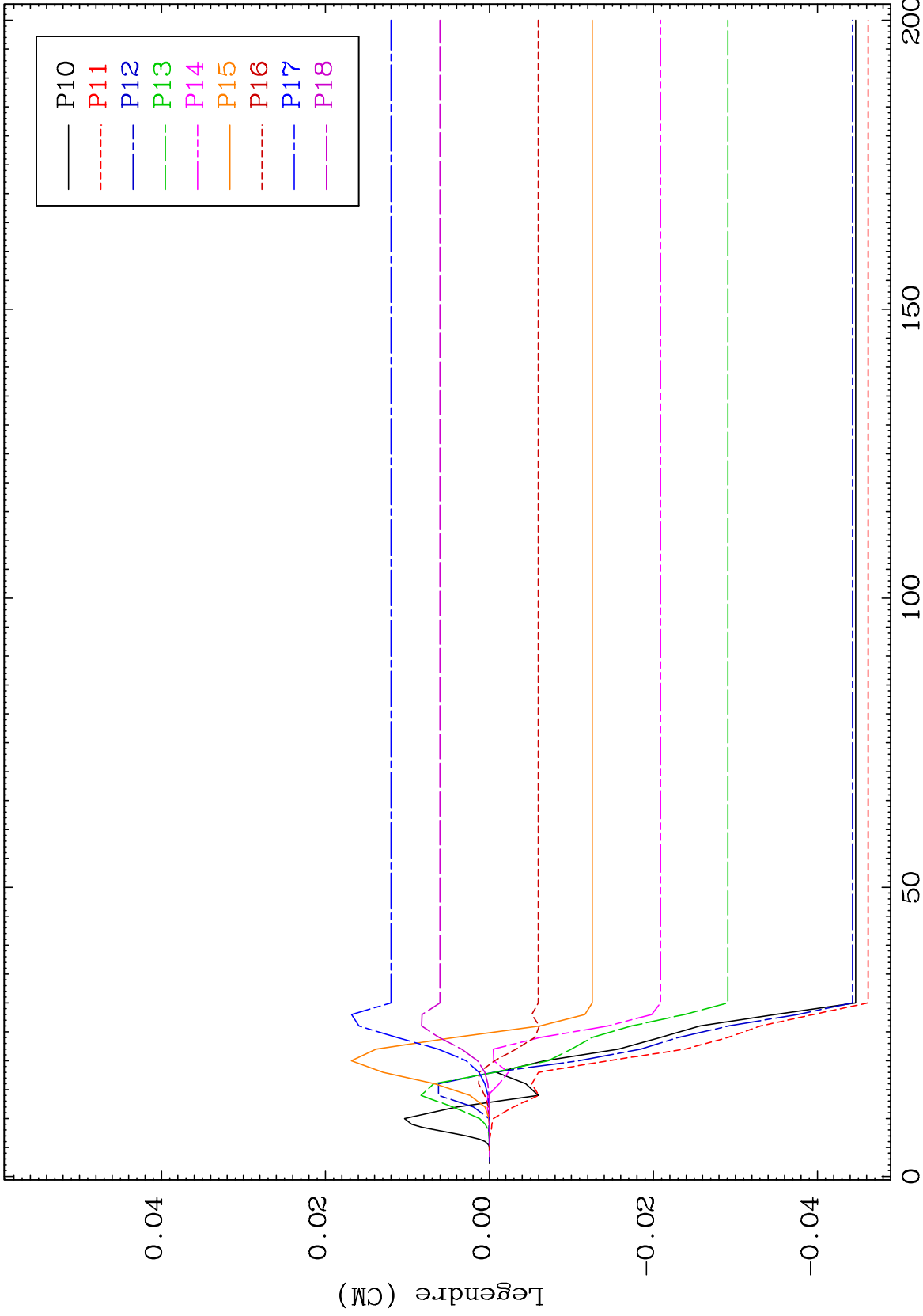
Incident Energy (MeV)

78

MAT 6037

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

60-Nd-146



79

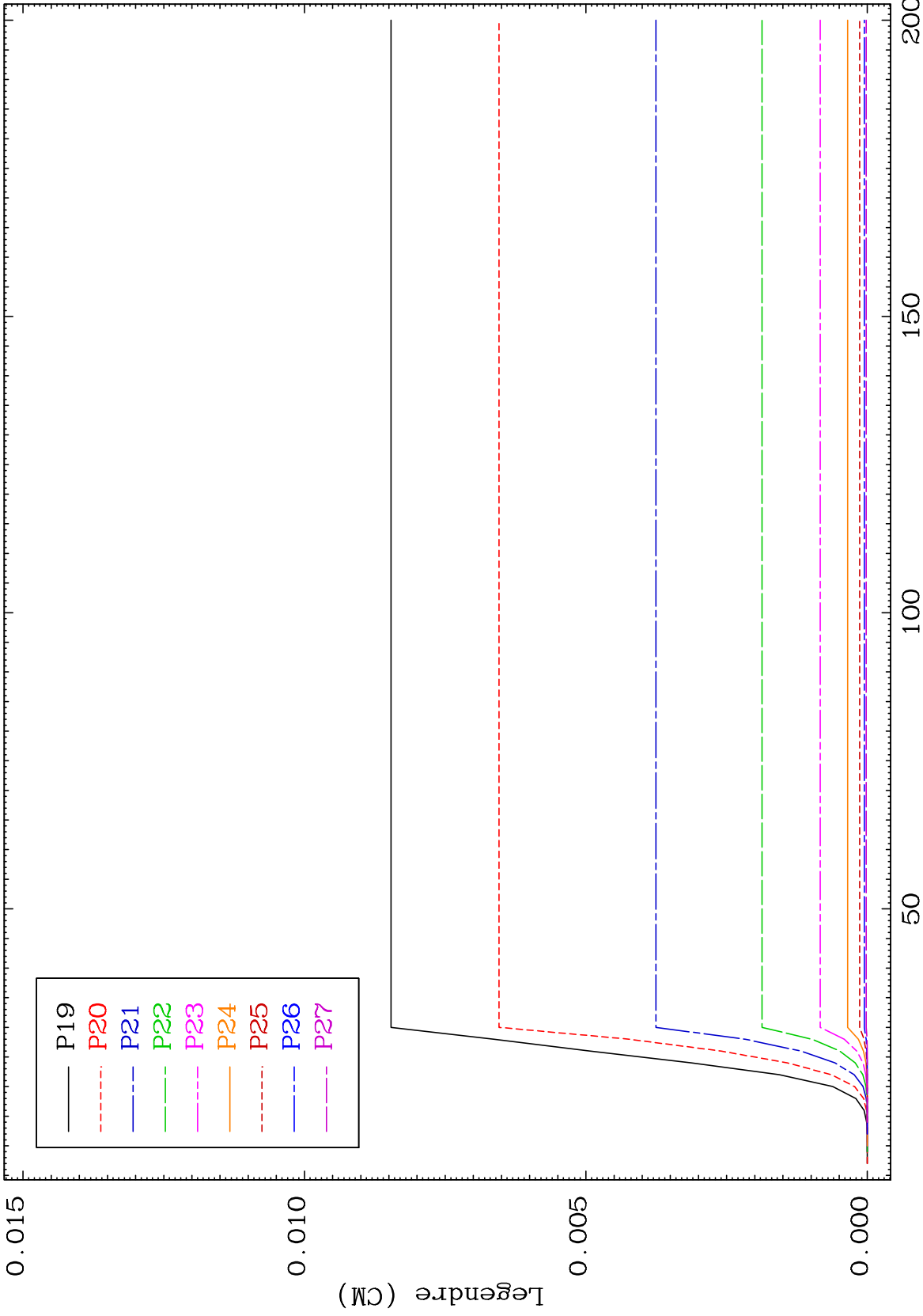
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



80

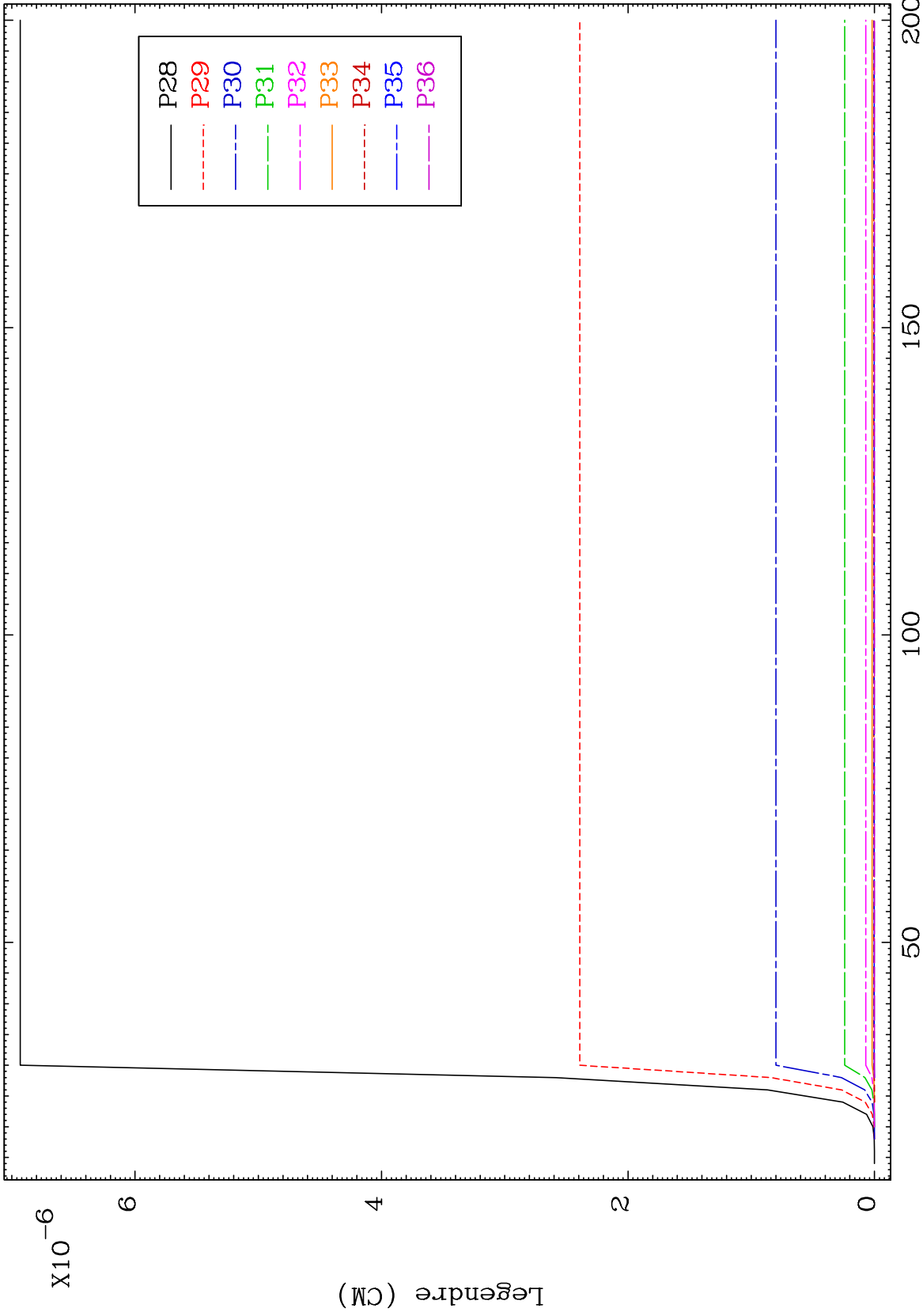
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



81

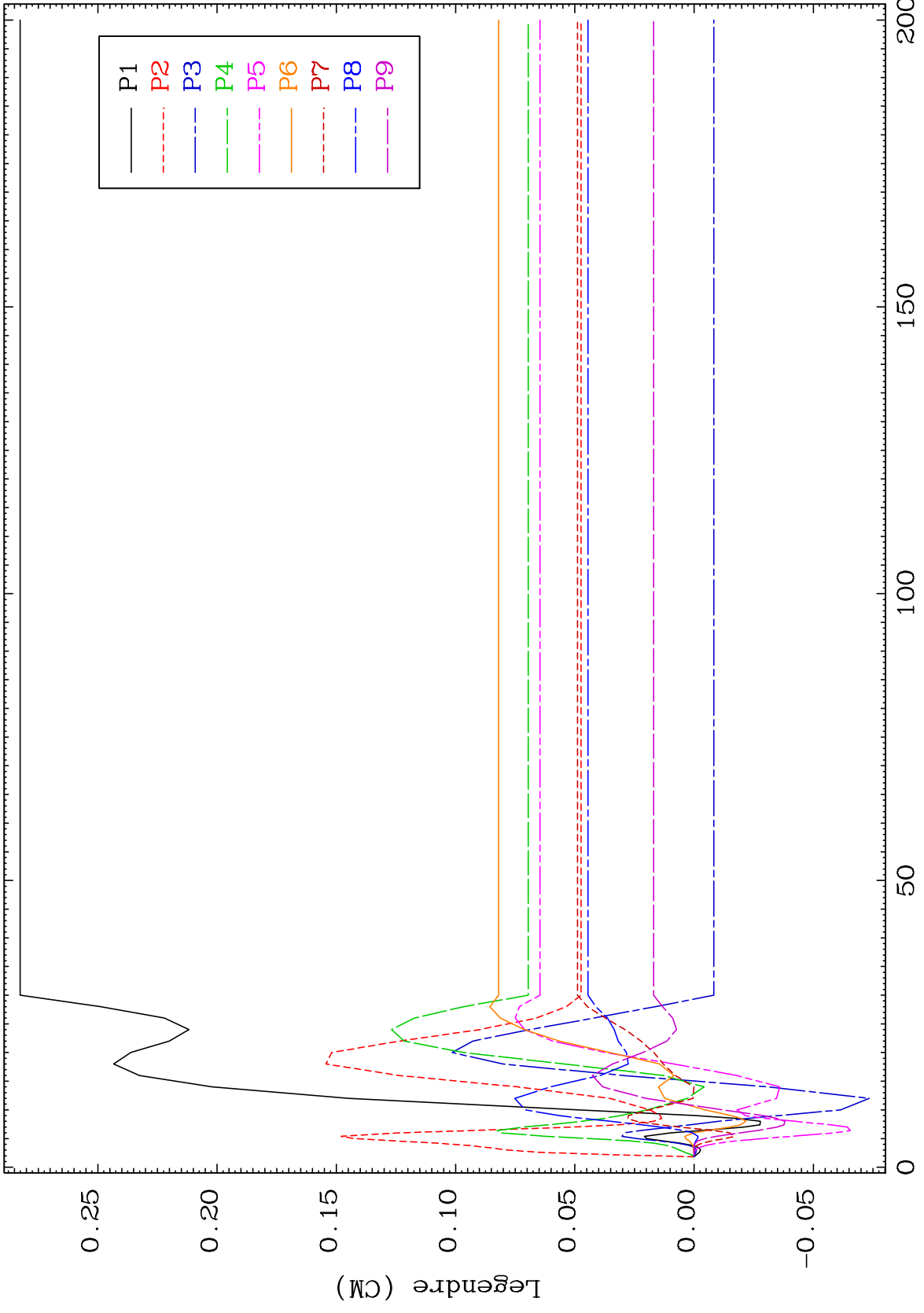
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



82

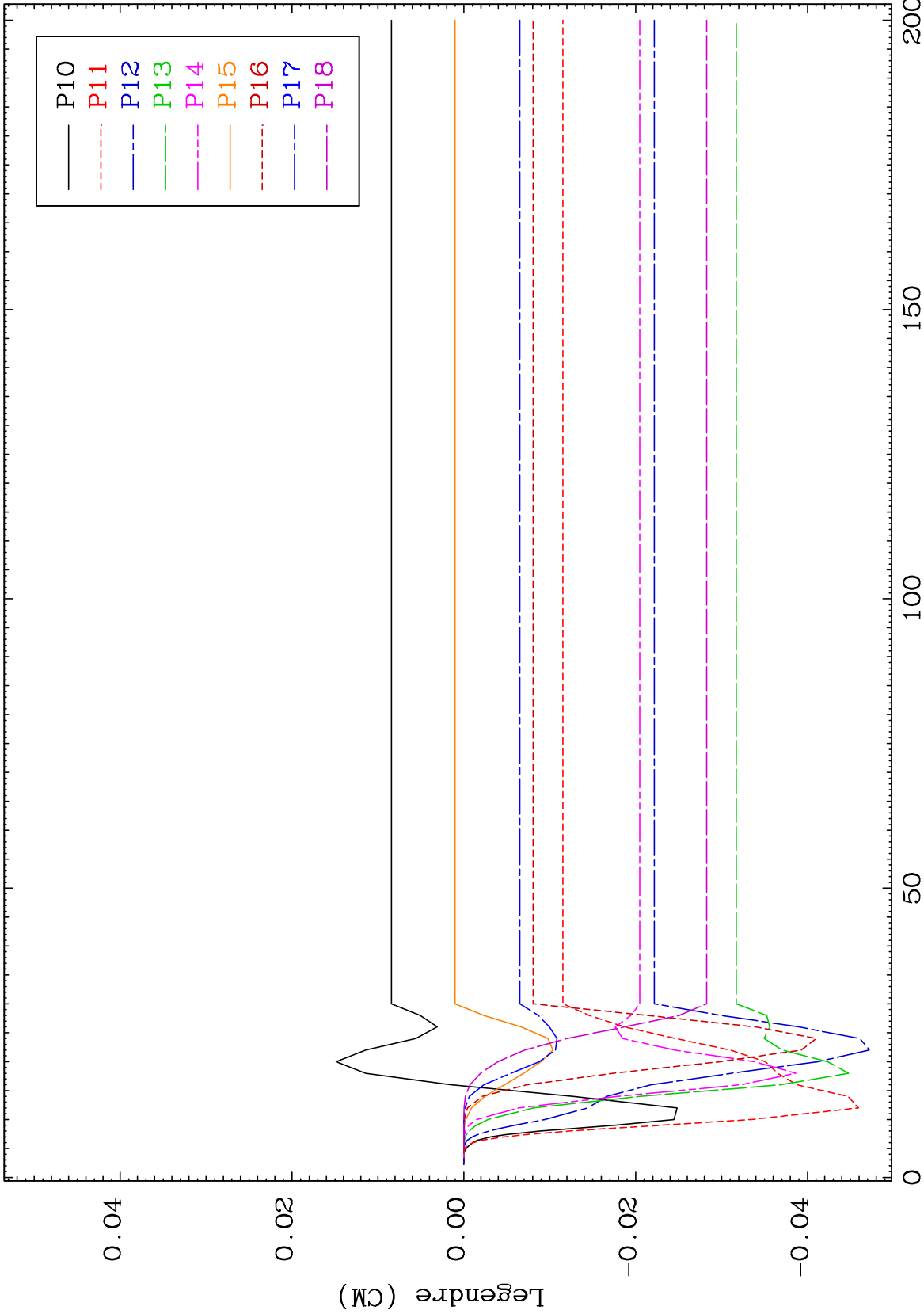
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



83

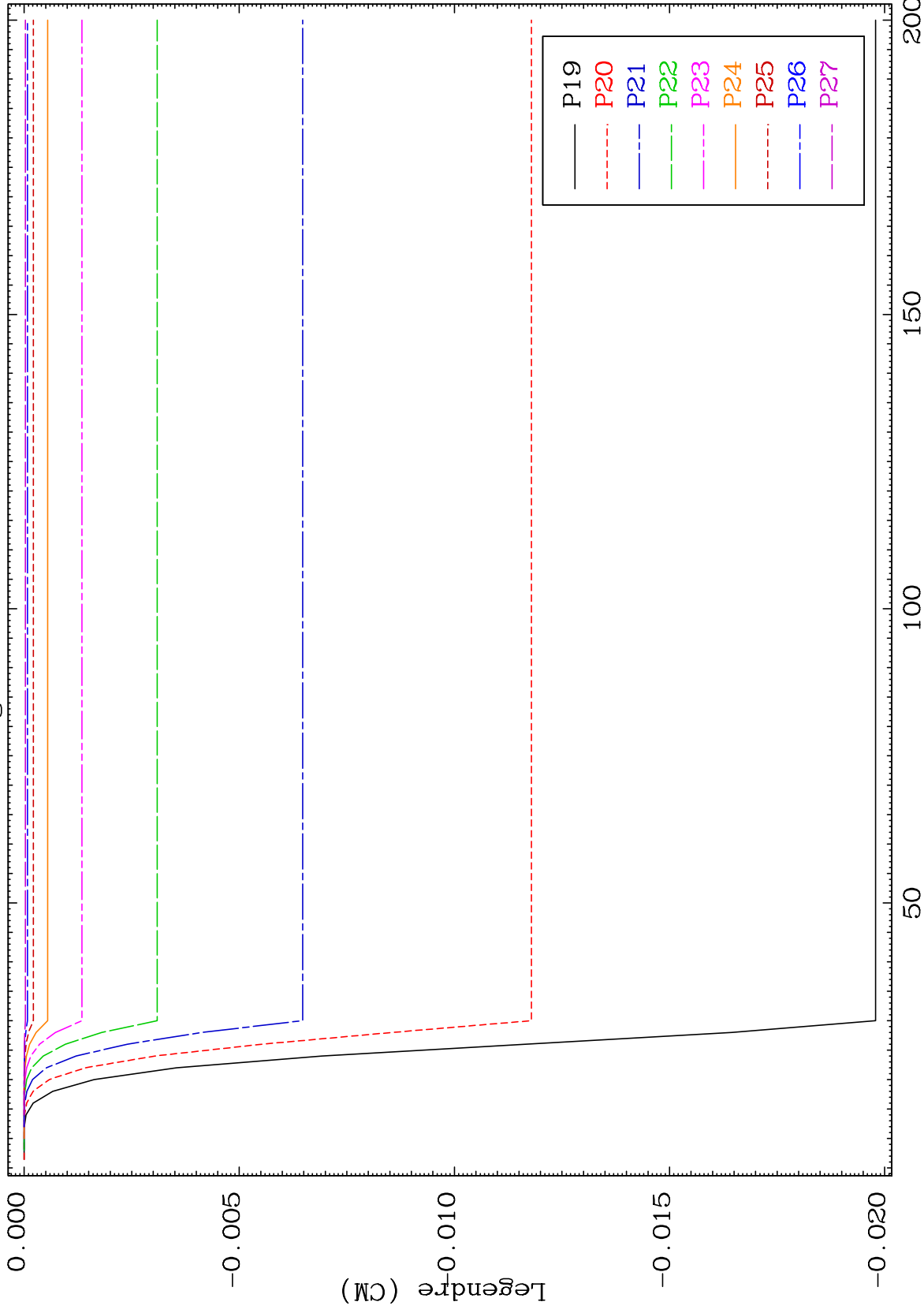
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



84

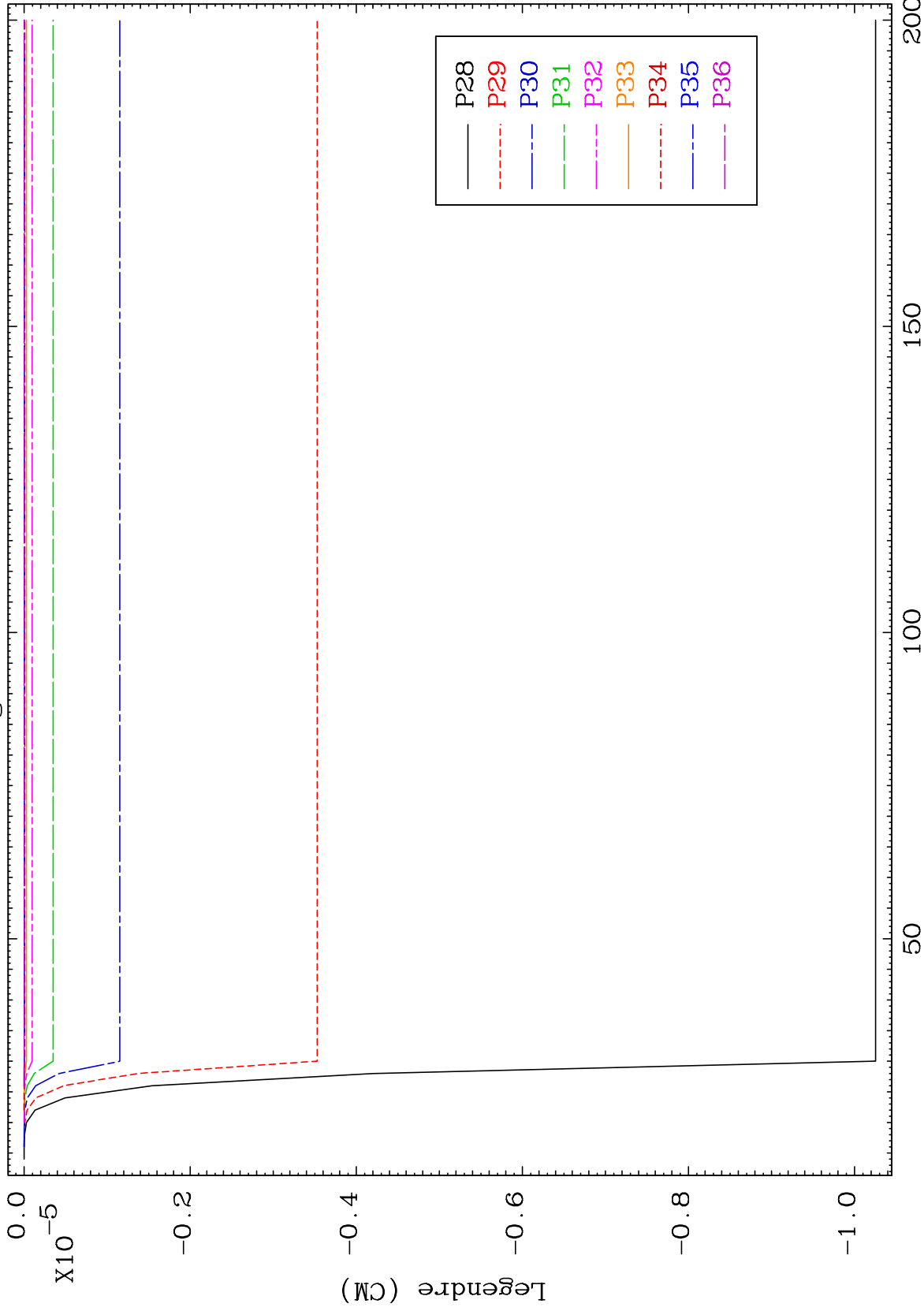
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



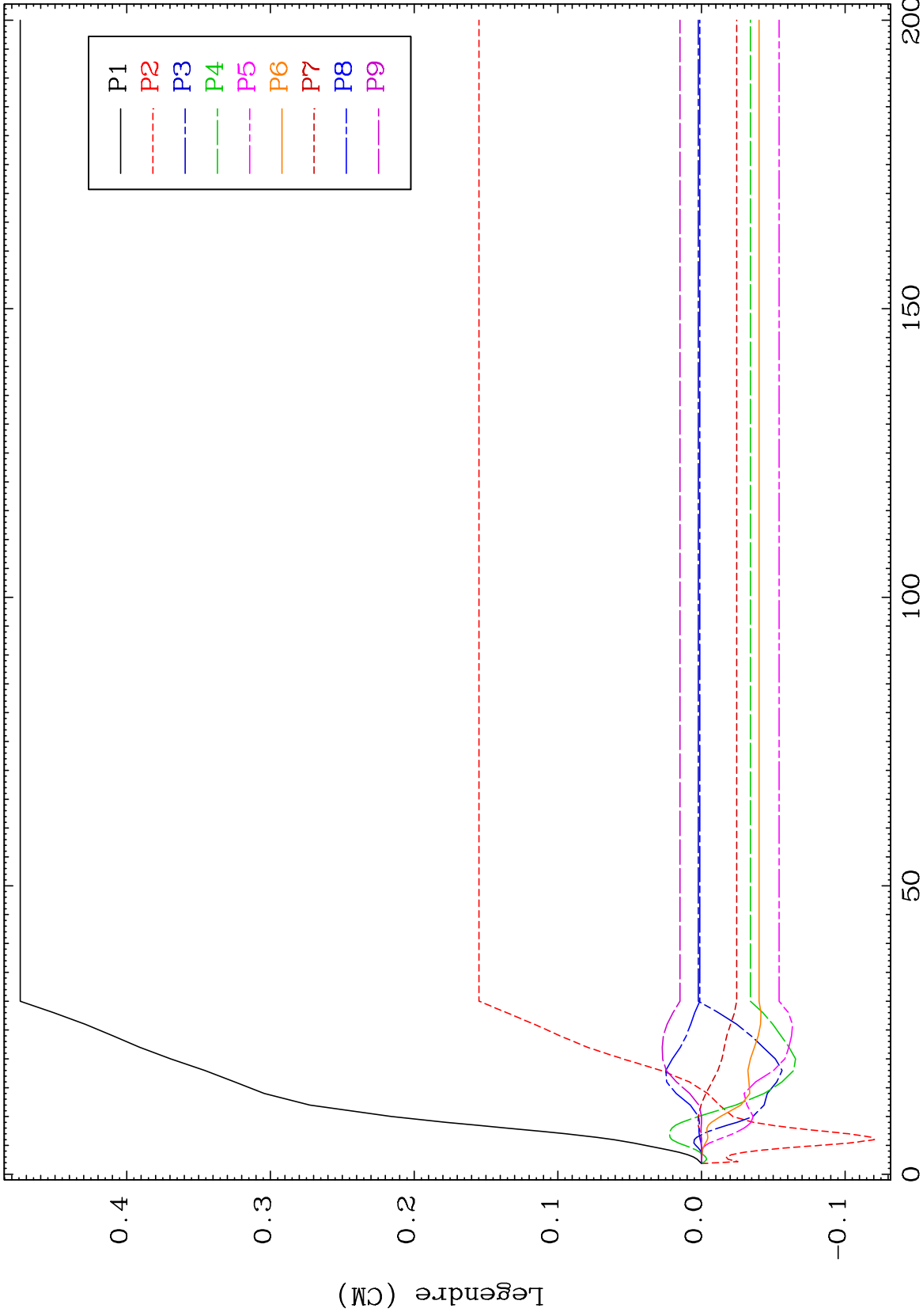
85

60-Nd-146

MAT 6037

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

60-Nd-146



86

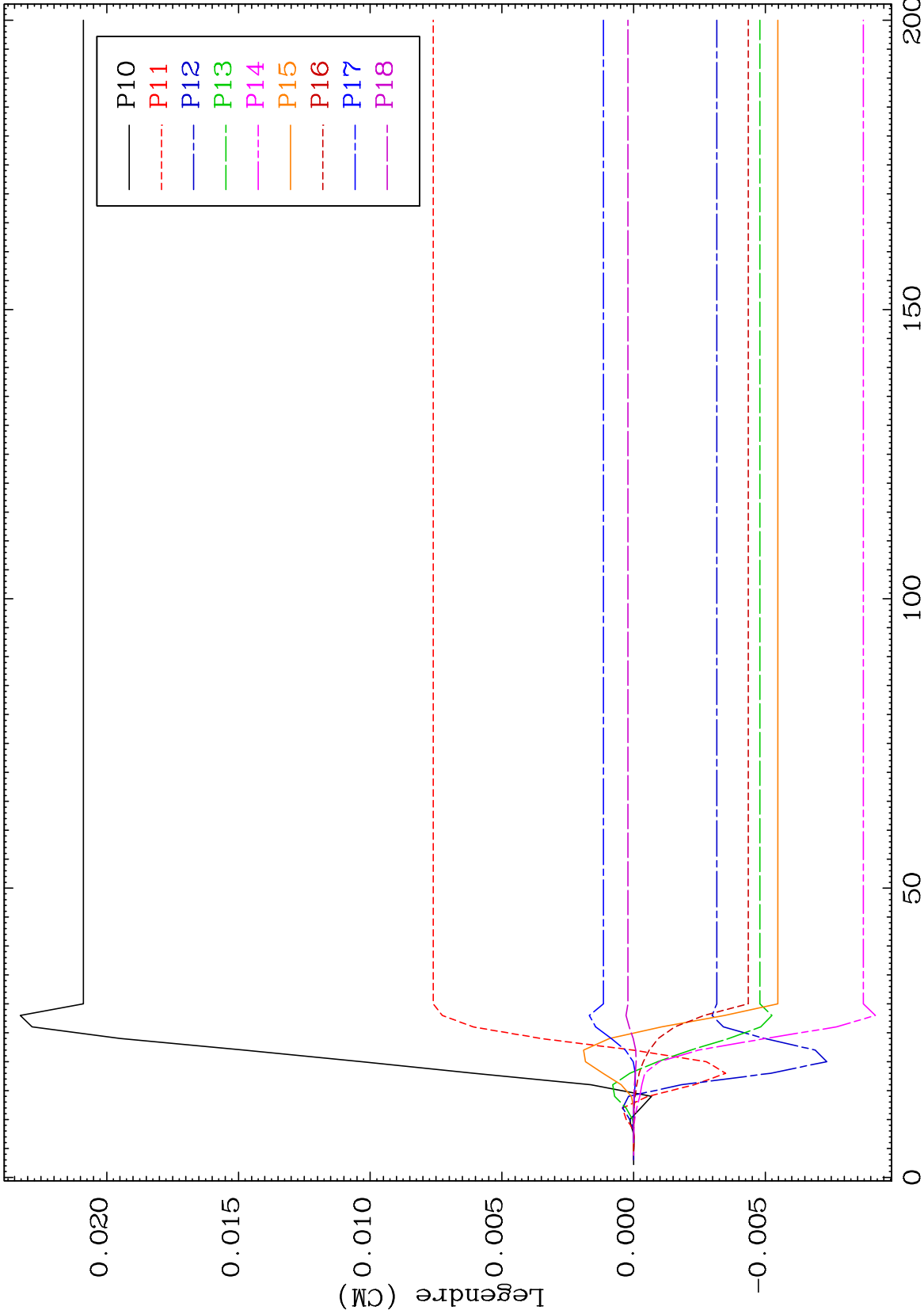
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



87

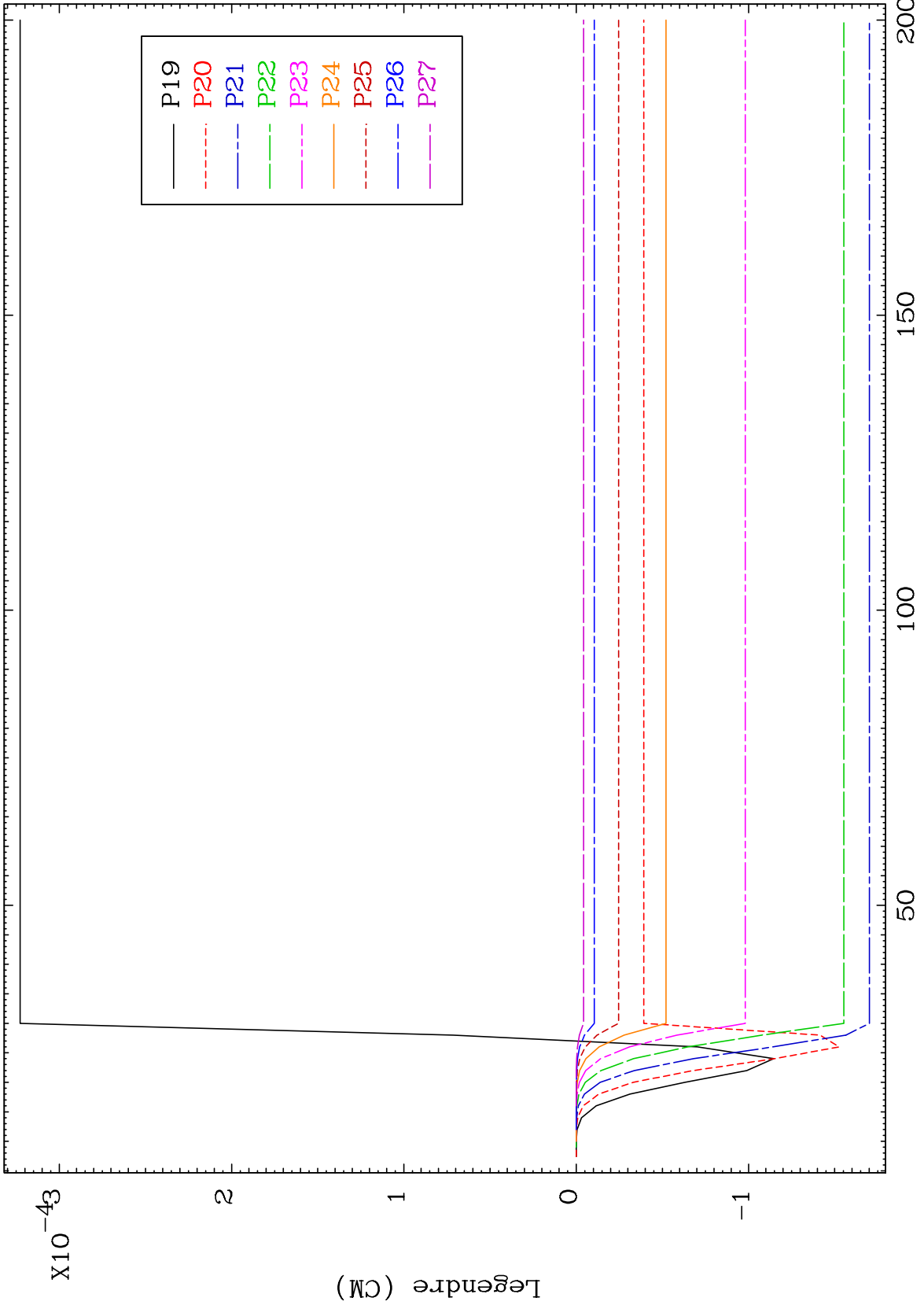
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



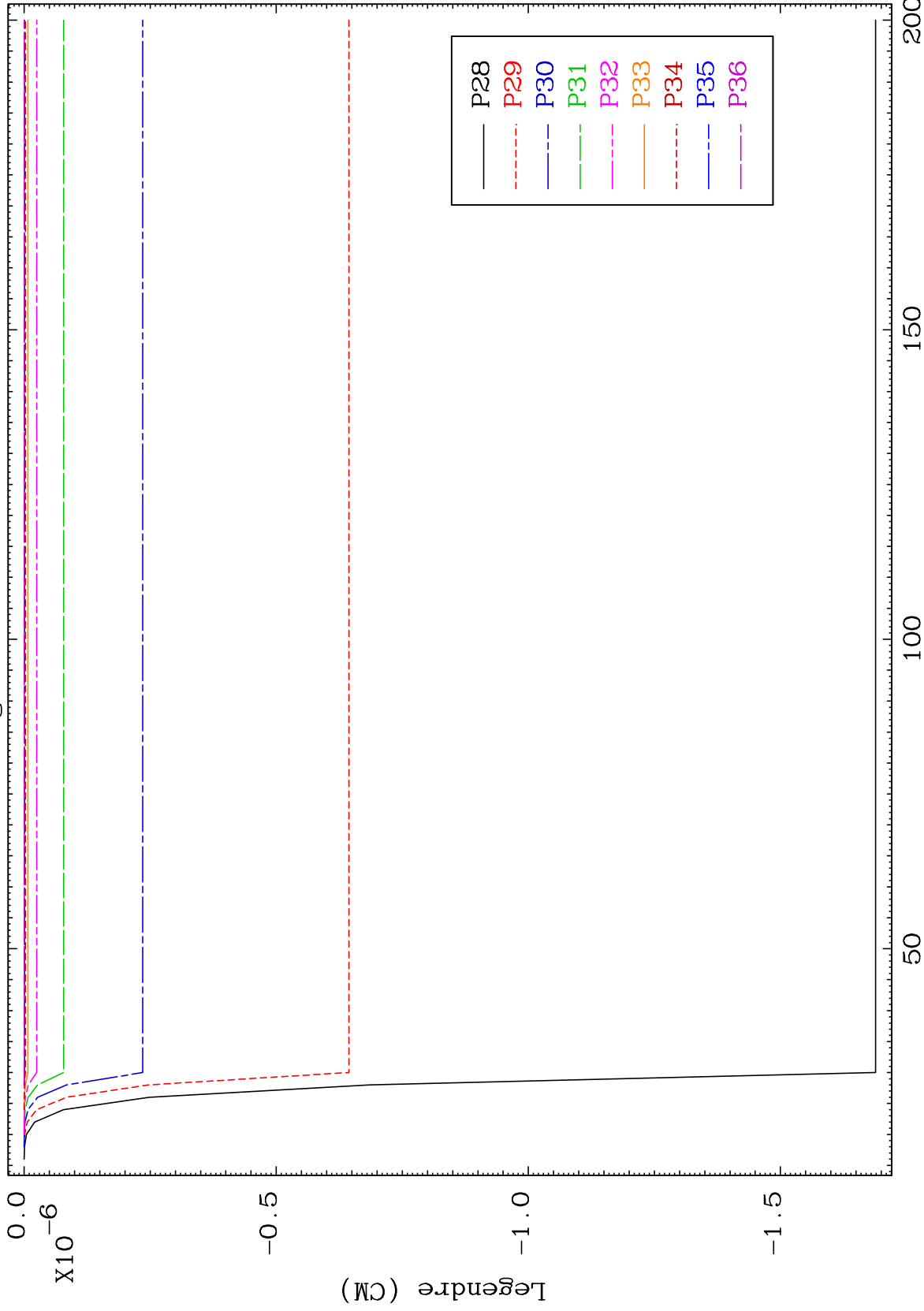
88

60-Nd-146

MAT 6037

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

60-Nd-146



89

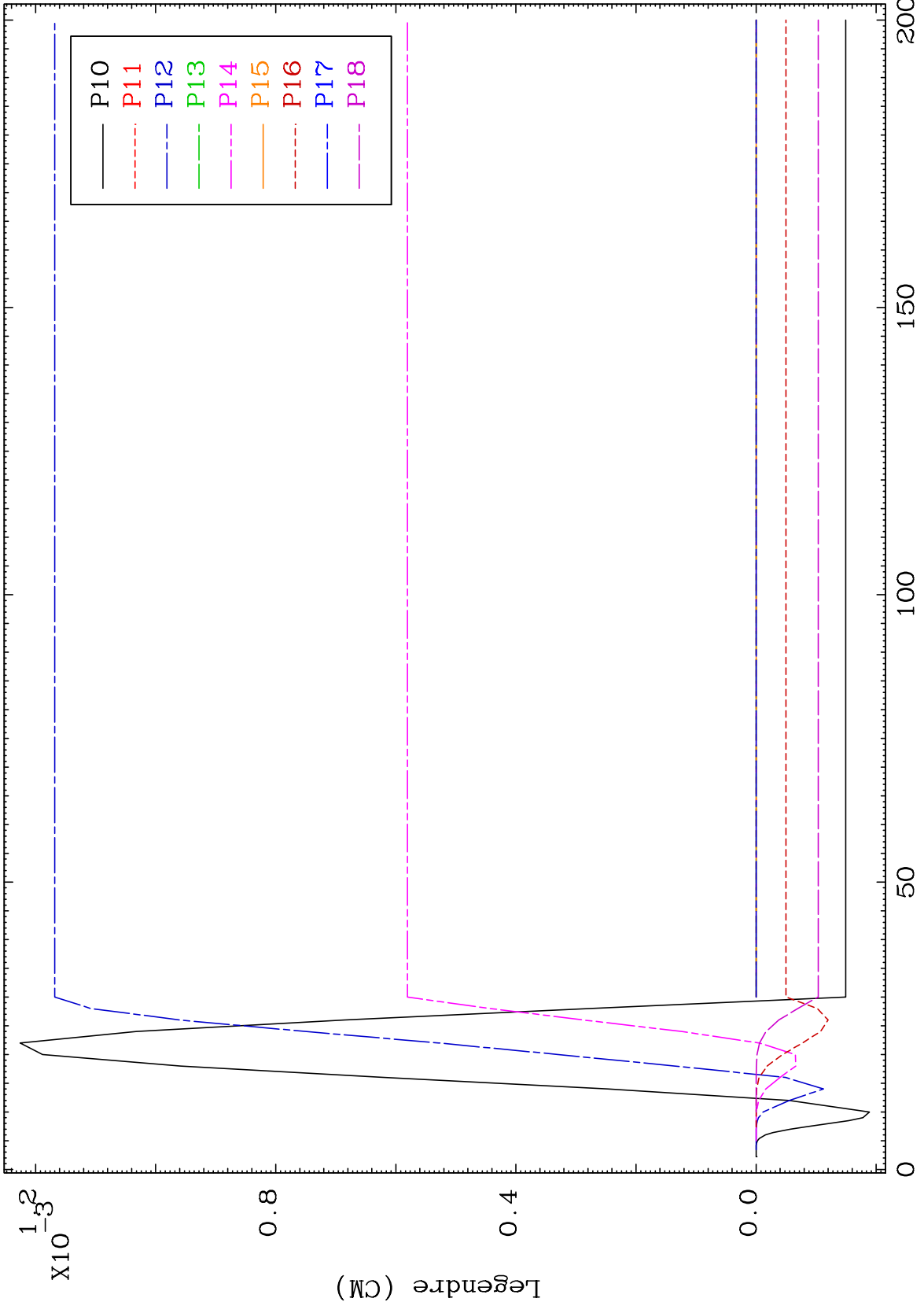
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

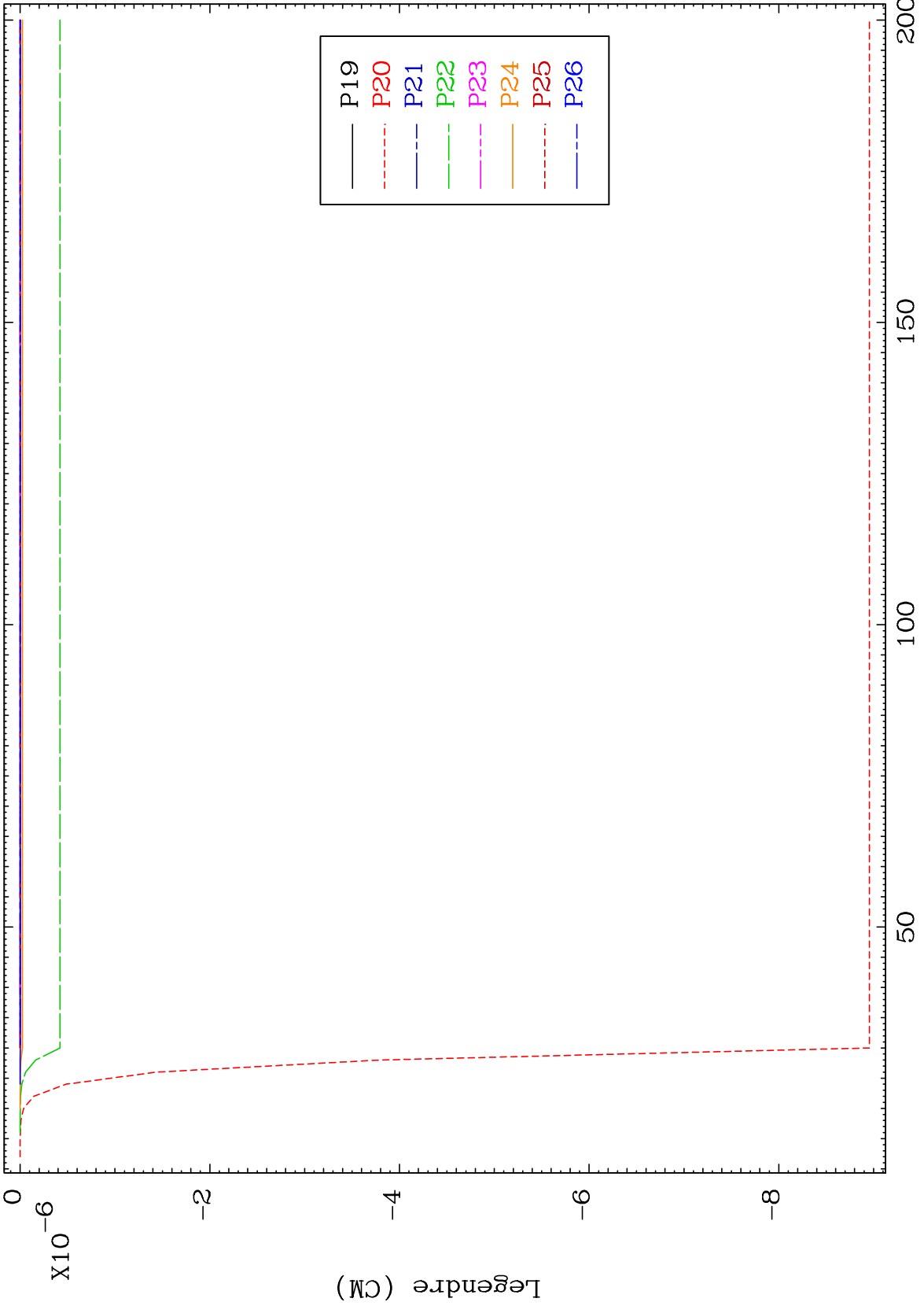
60-Nd-146



91

60-Nd-146

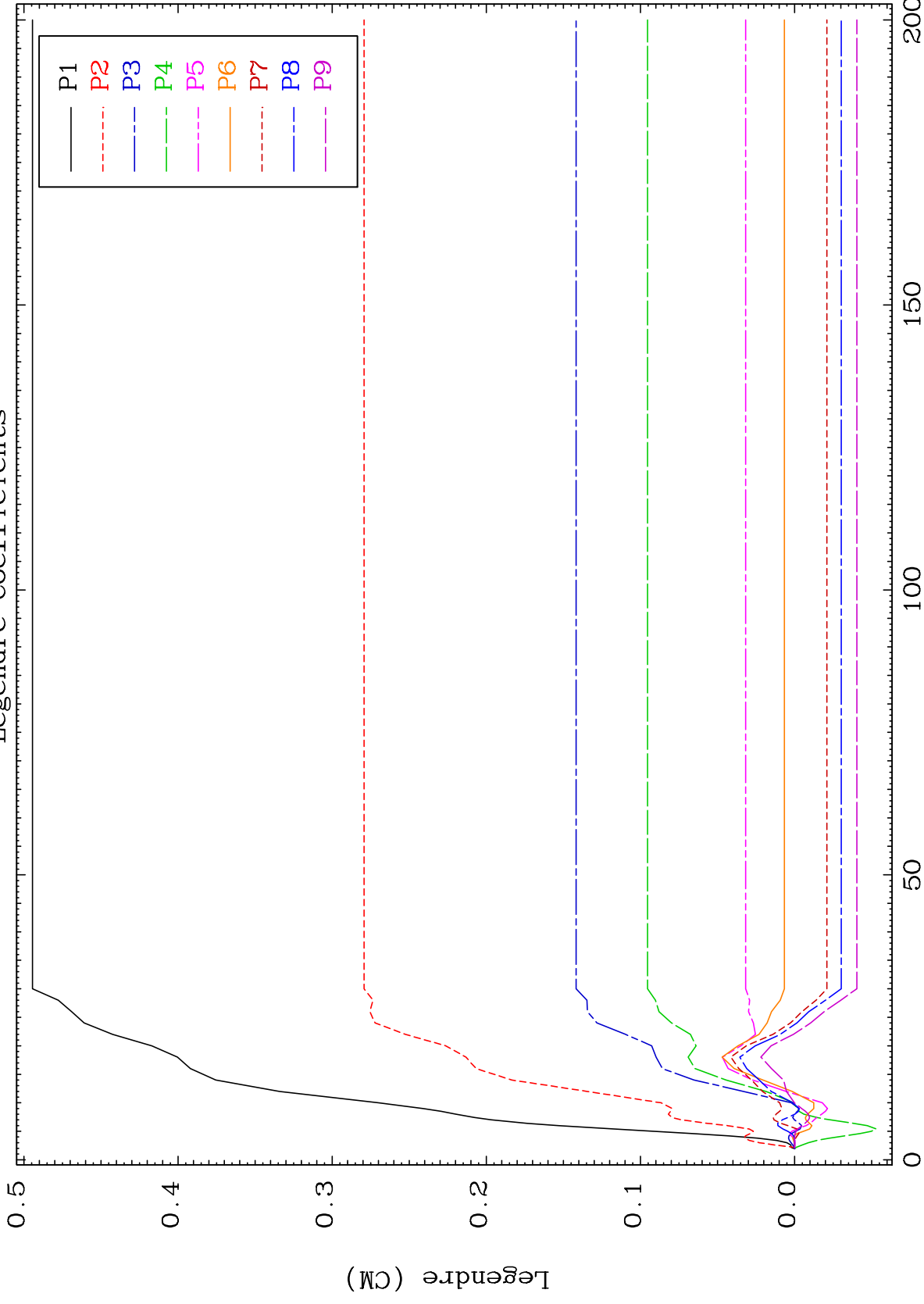
MAT 6037 MT= 70 (n,n') Level Legendre Coefficients 60-Nd-146



MAT 6037

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

60-Nd-146



60-Nd-146

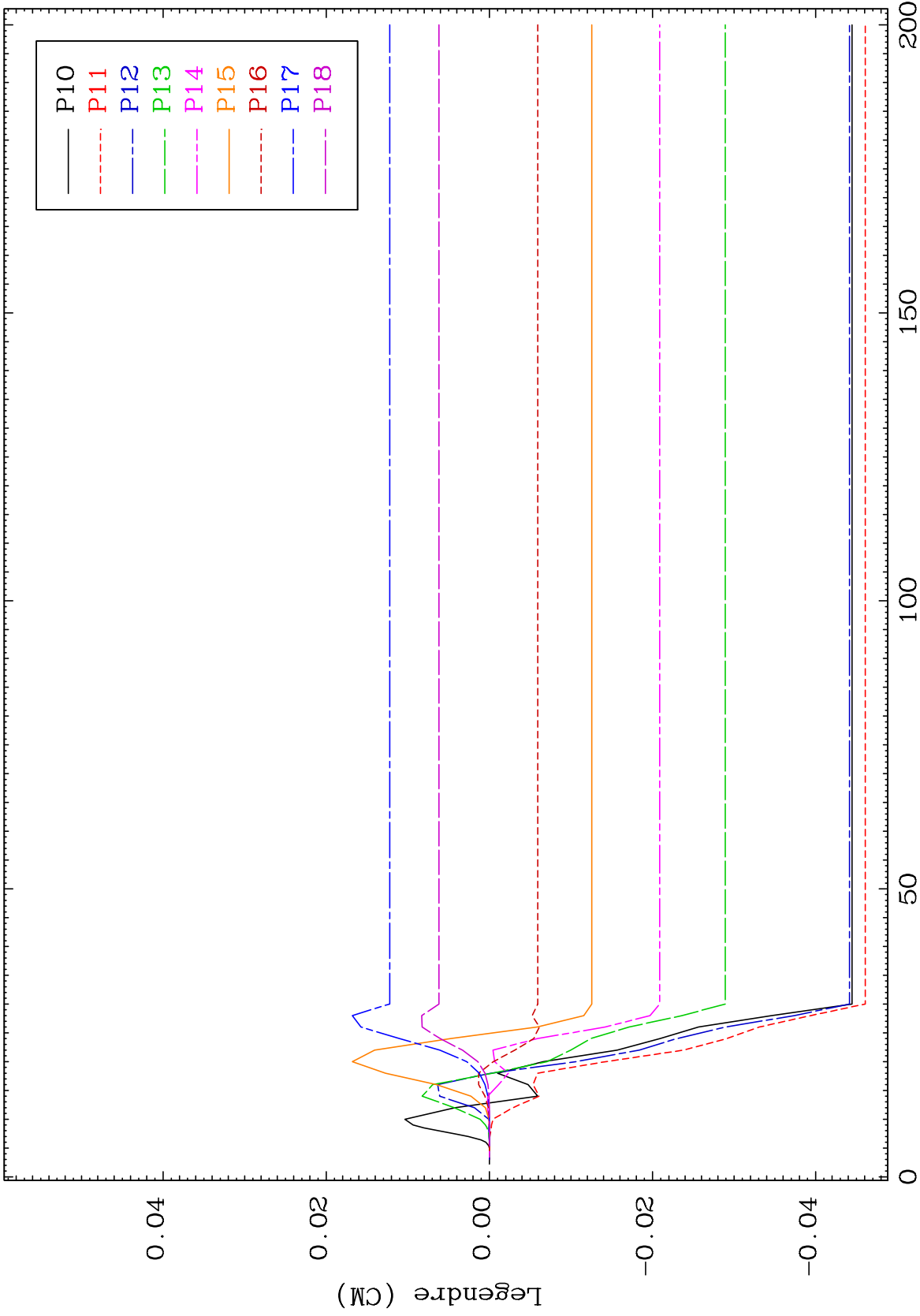
Incident Energy (MeV)

93

MAT 6037

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

60-Nd-146



94

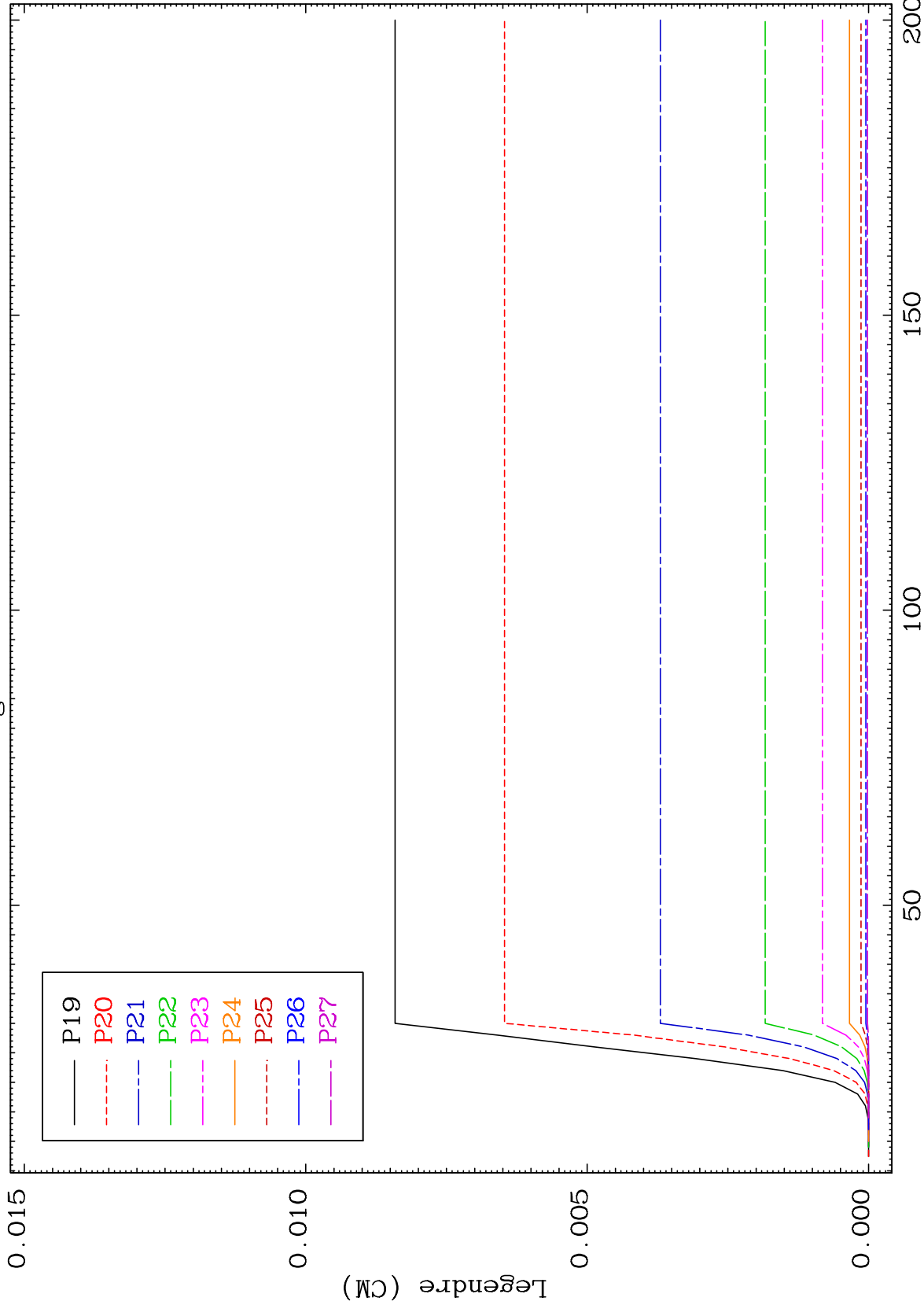
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



95

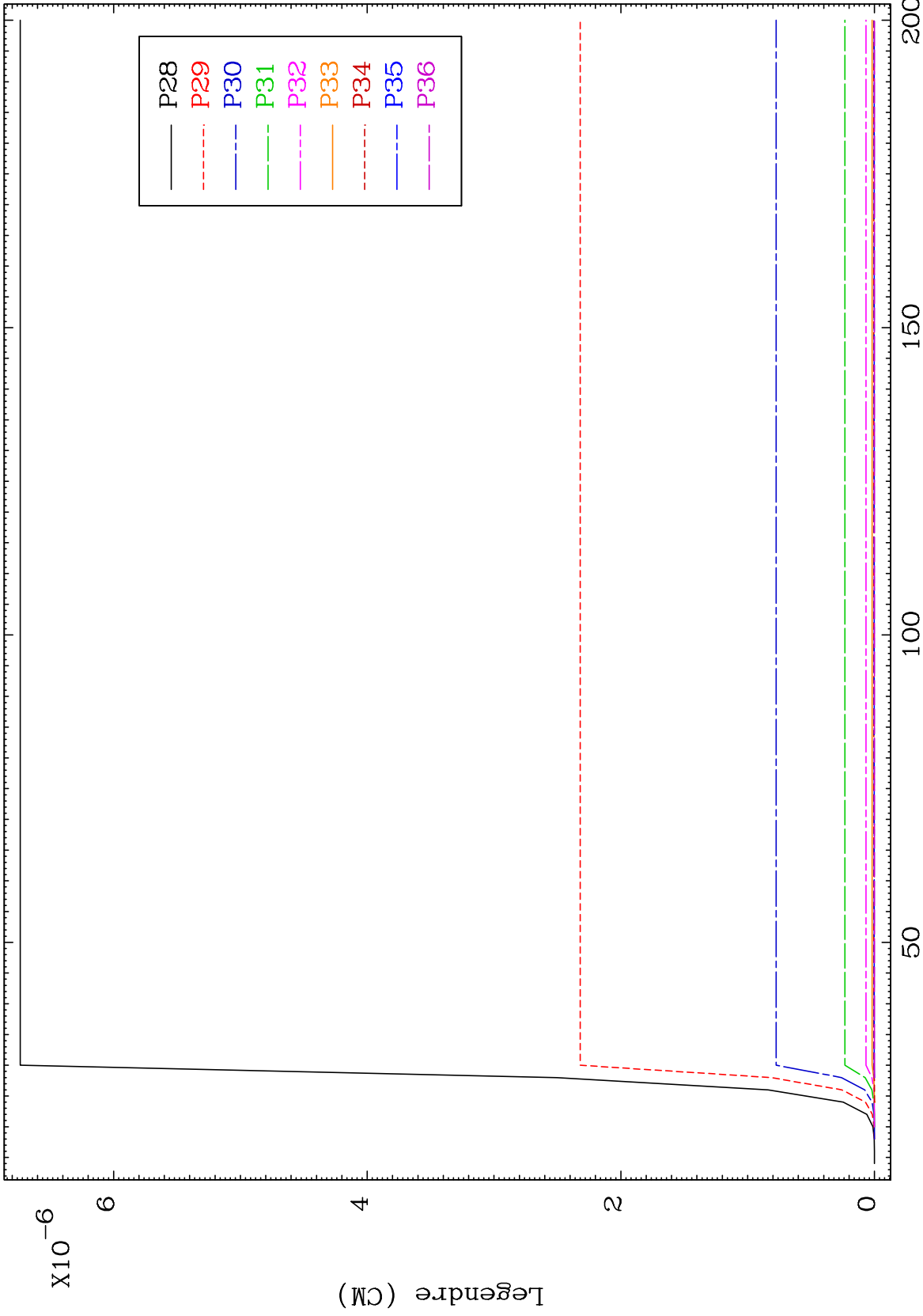
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



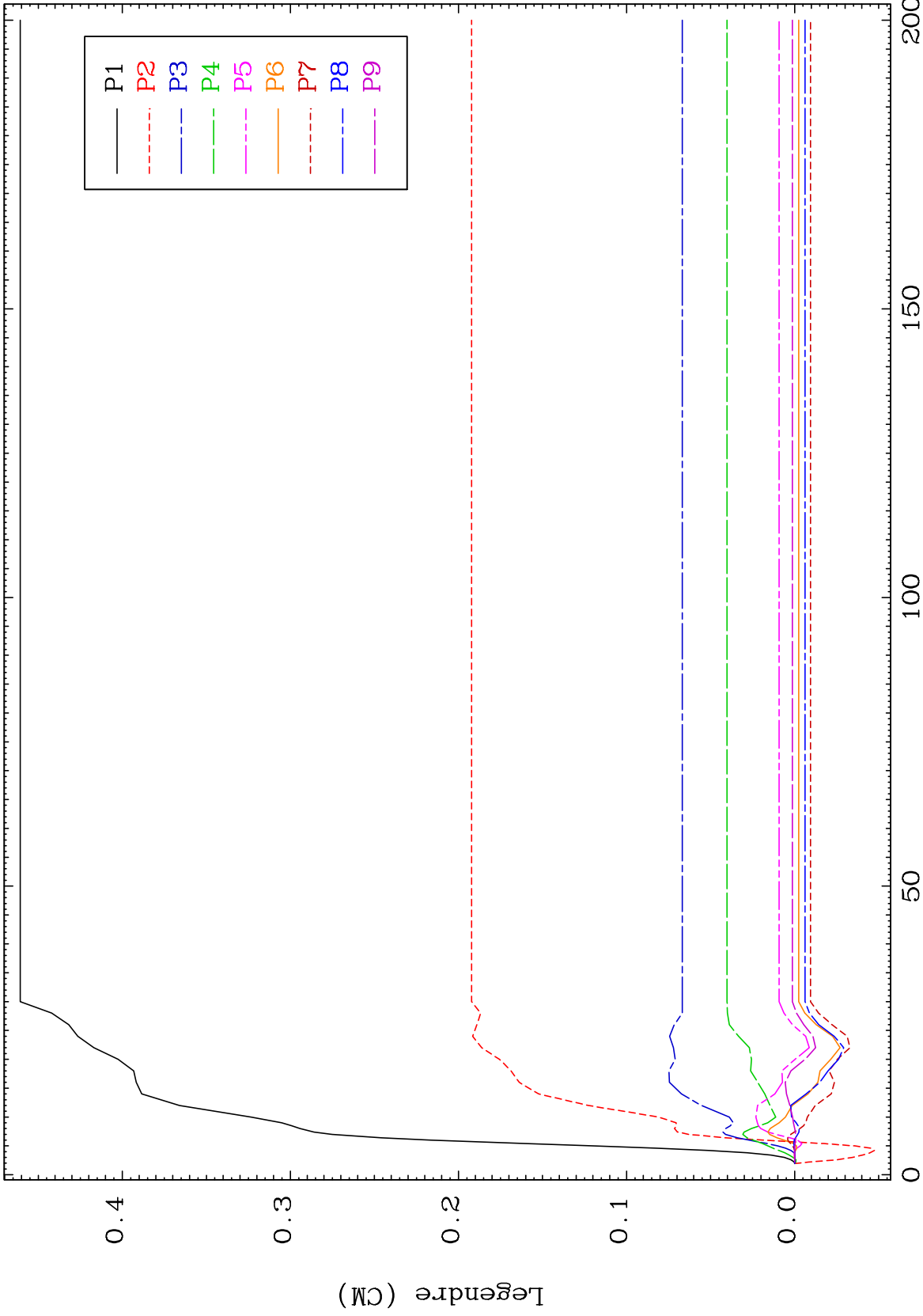
96

60-Nd-146

MAT 6037

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

60-Nd-146



97

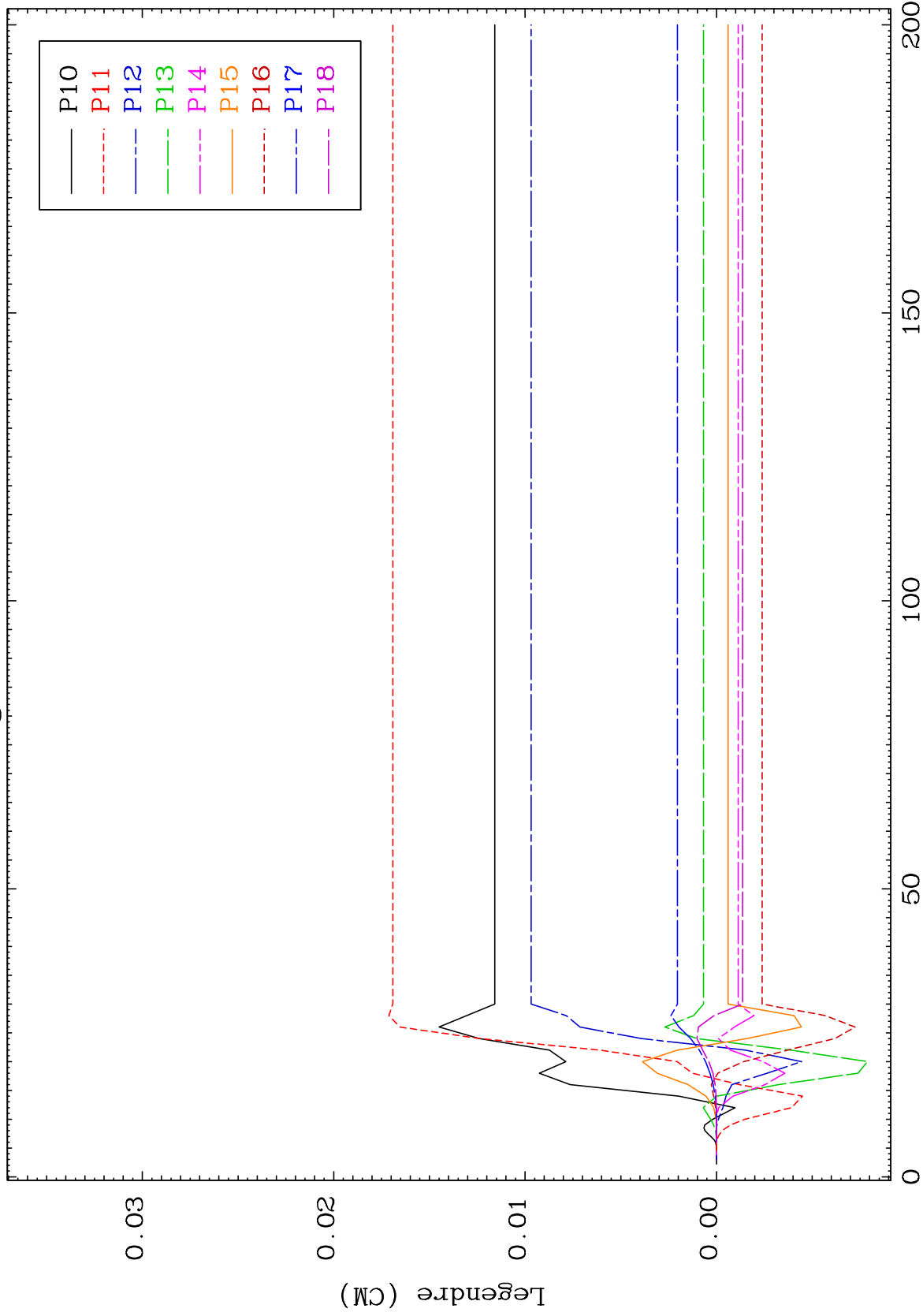
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



98

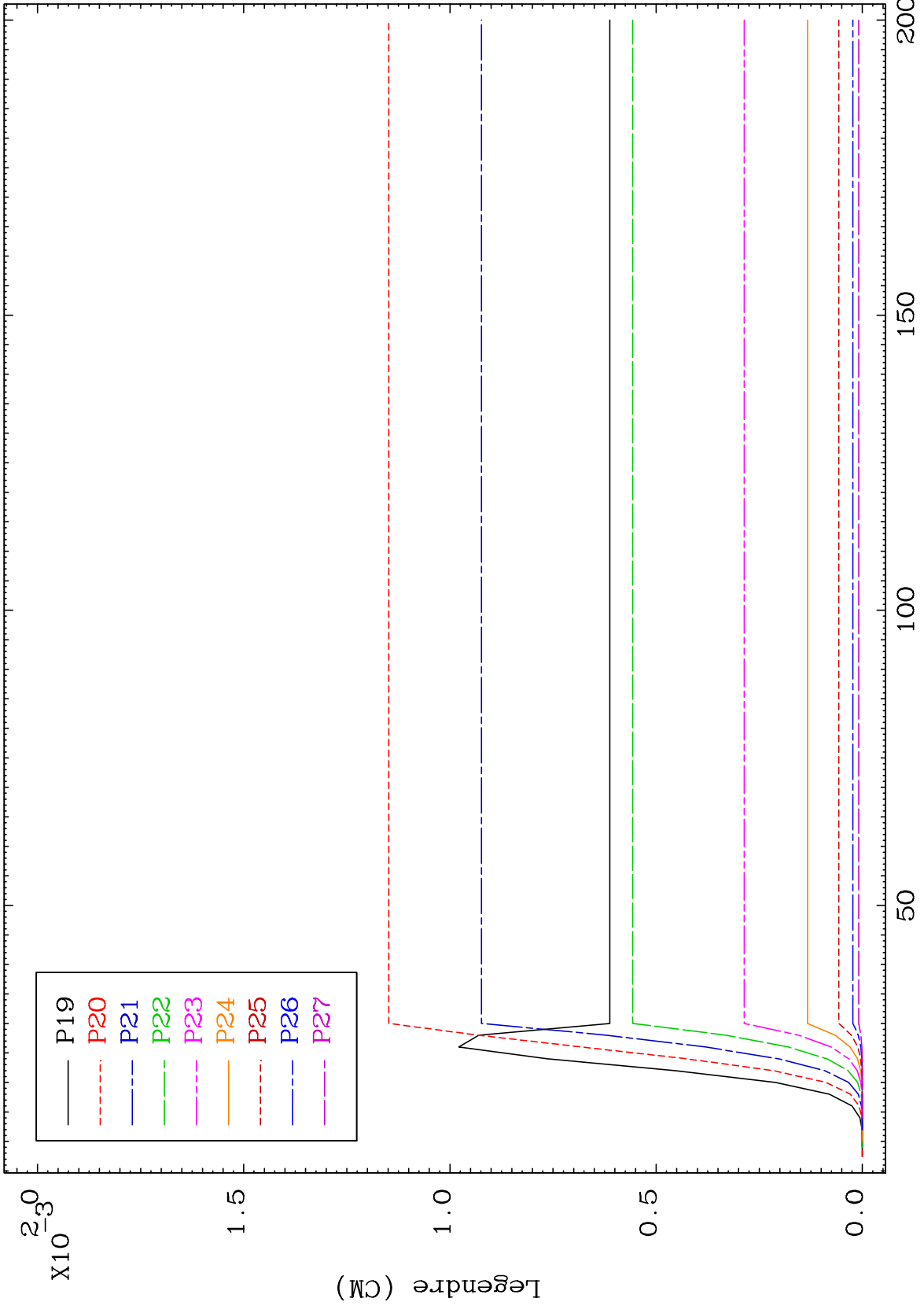
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



99

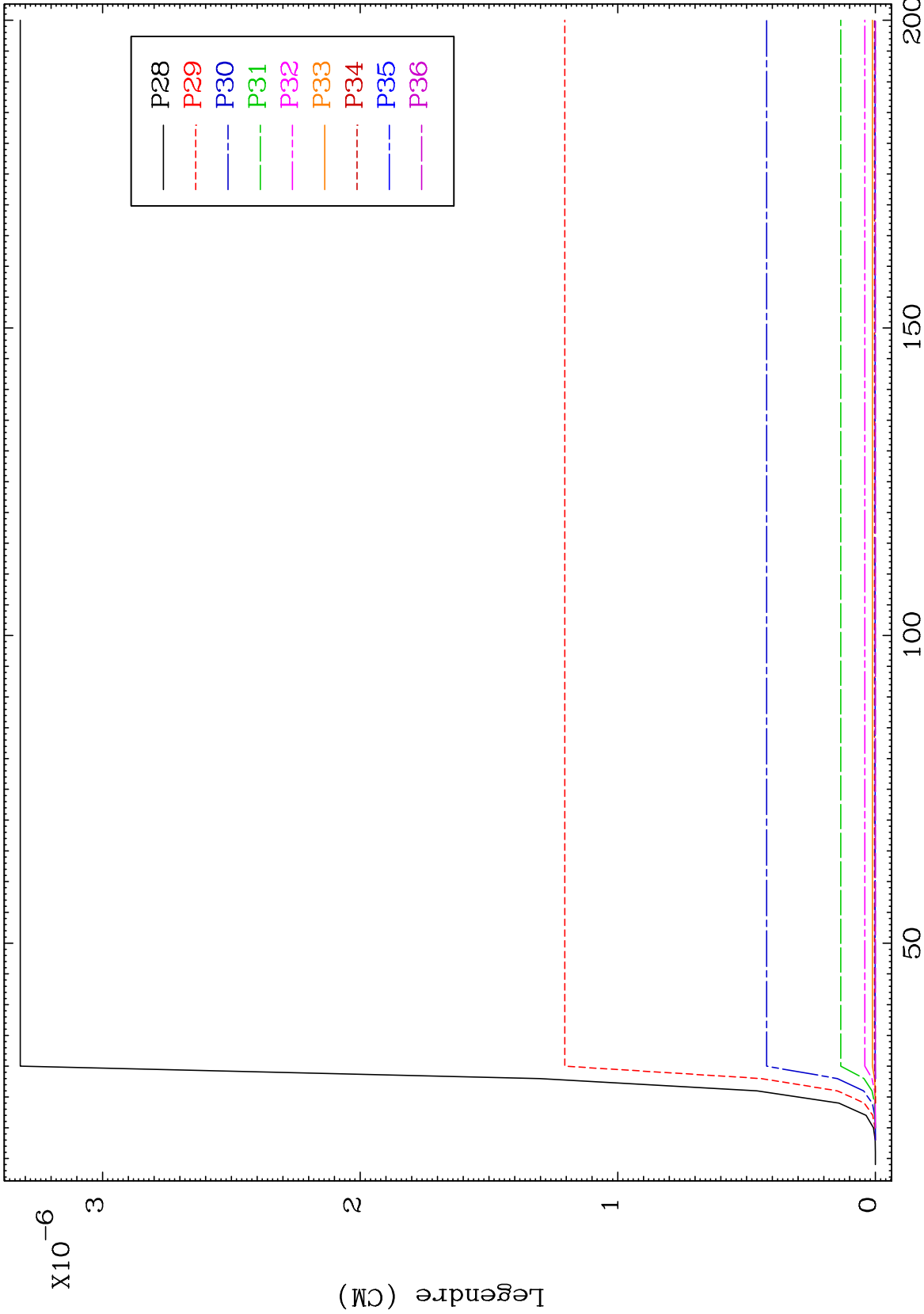
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146

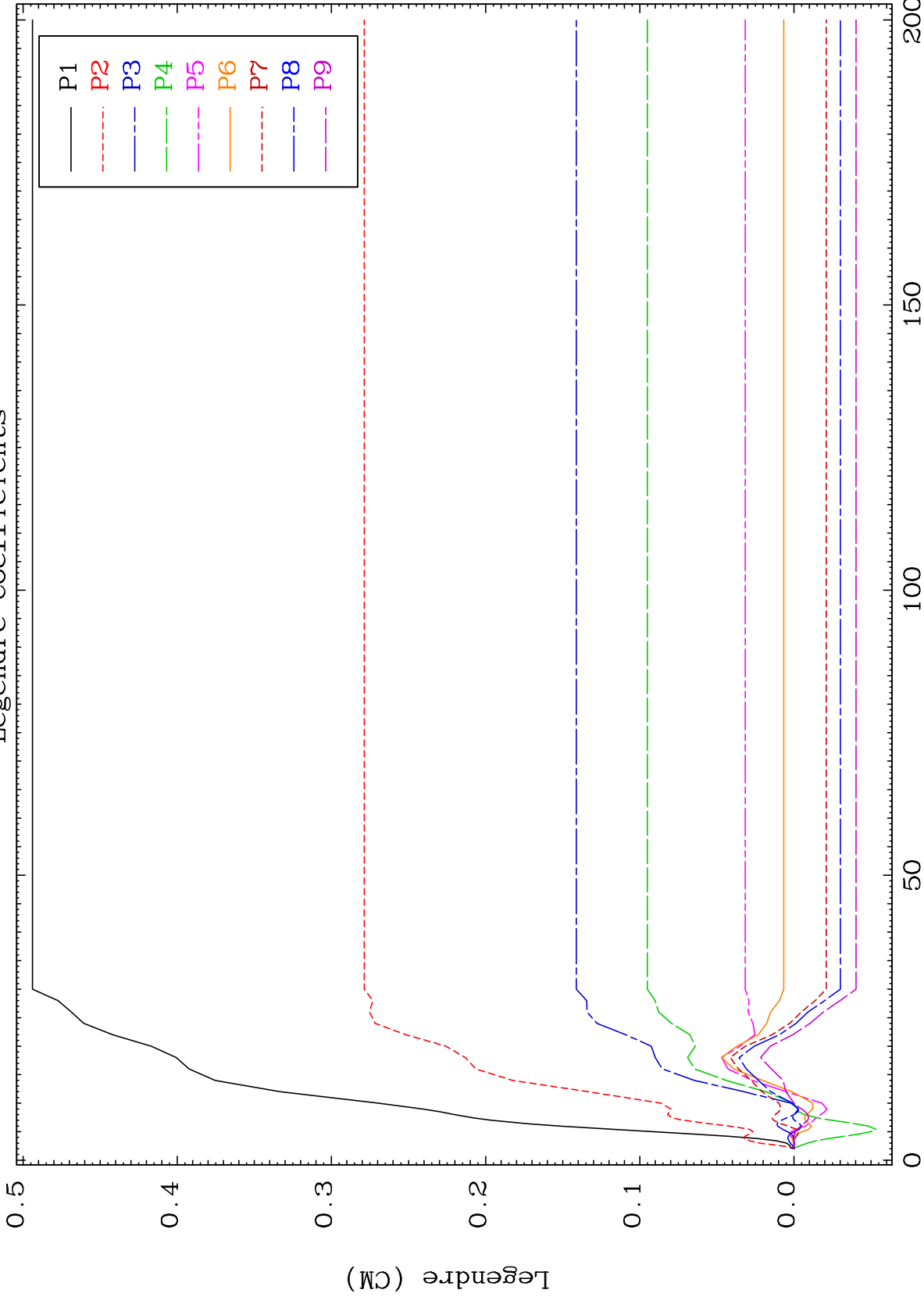


60-Nd-146

MAT 6037

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

60-Nd-146



60-Nd-146

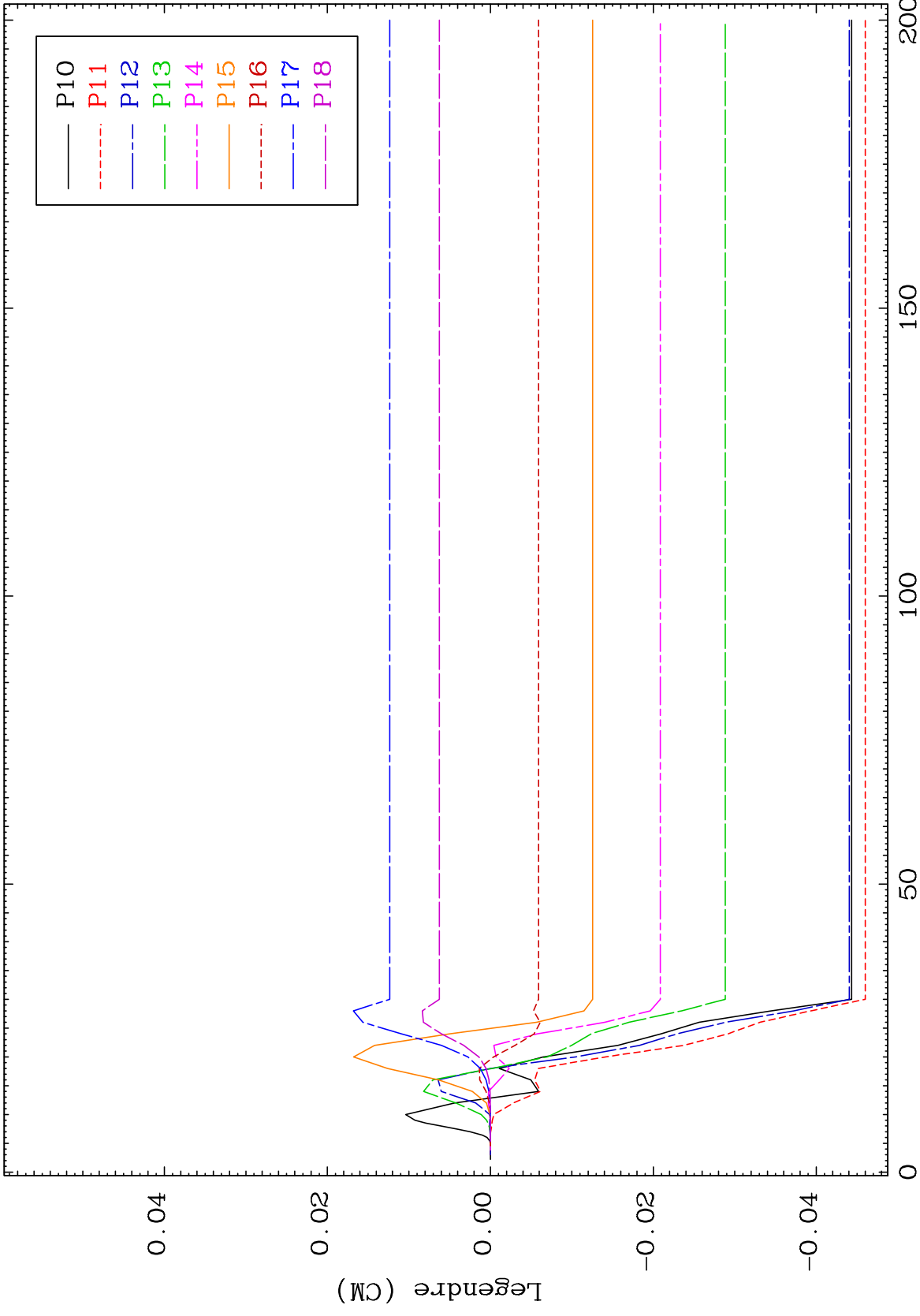
Incident Energy (MeV)

101

MAT 6037

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

60-Nd-146



102

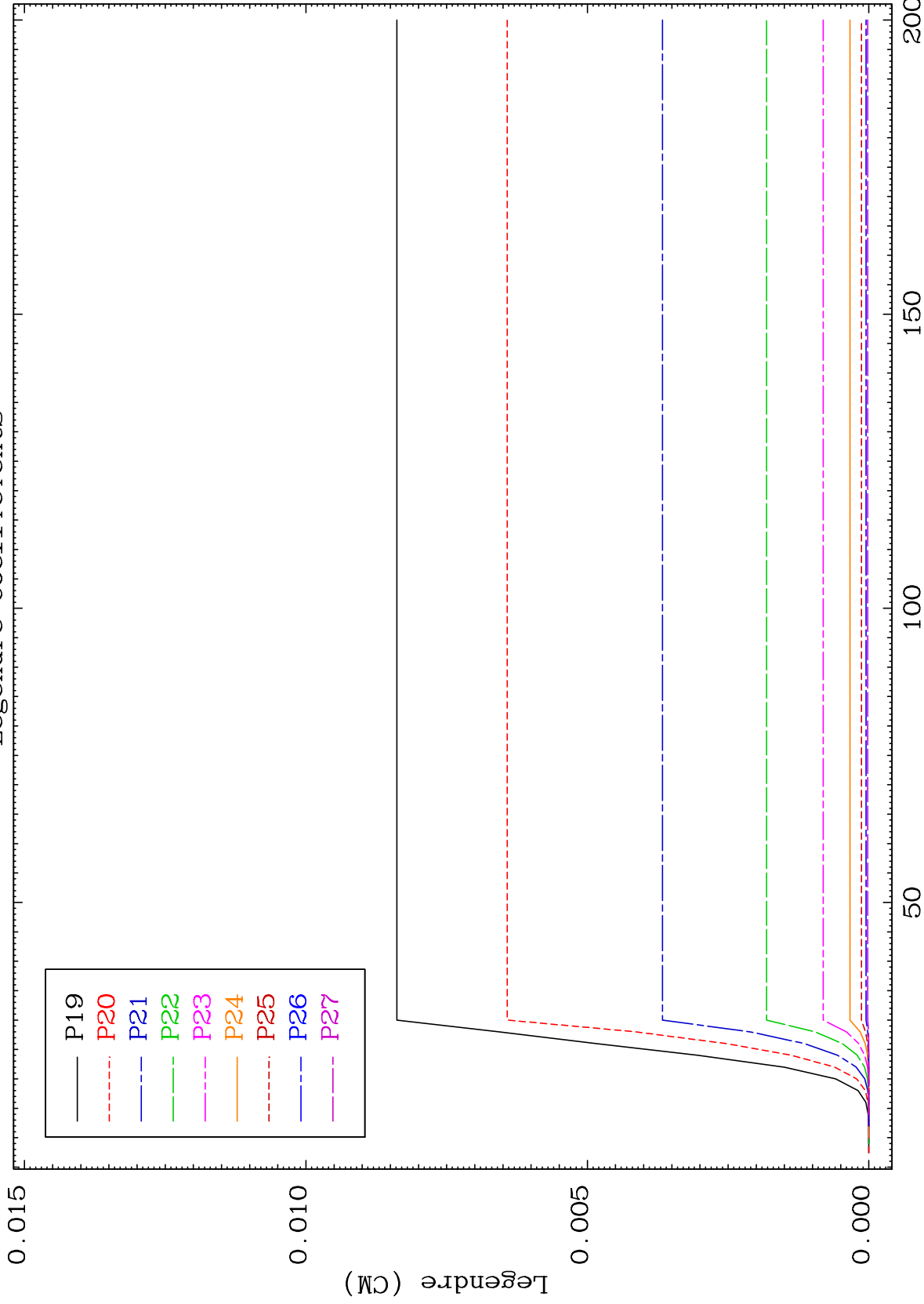
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



103

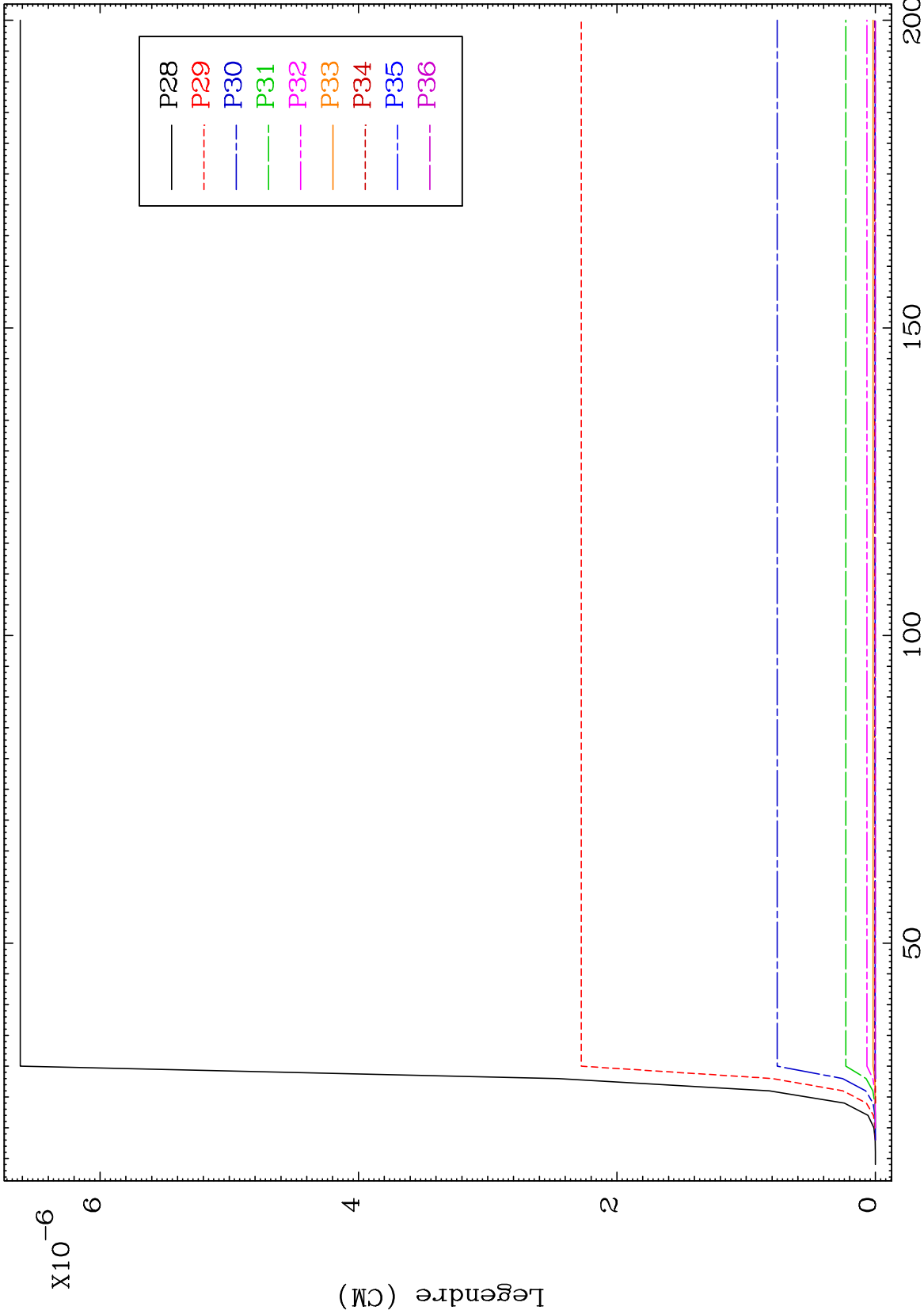
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



104

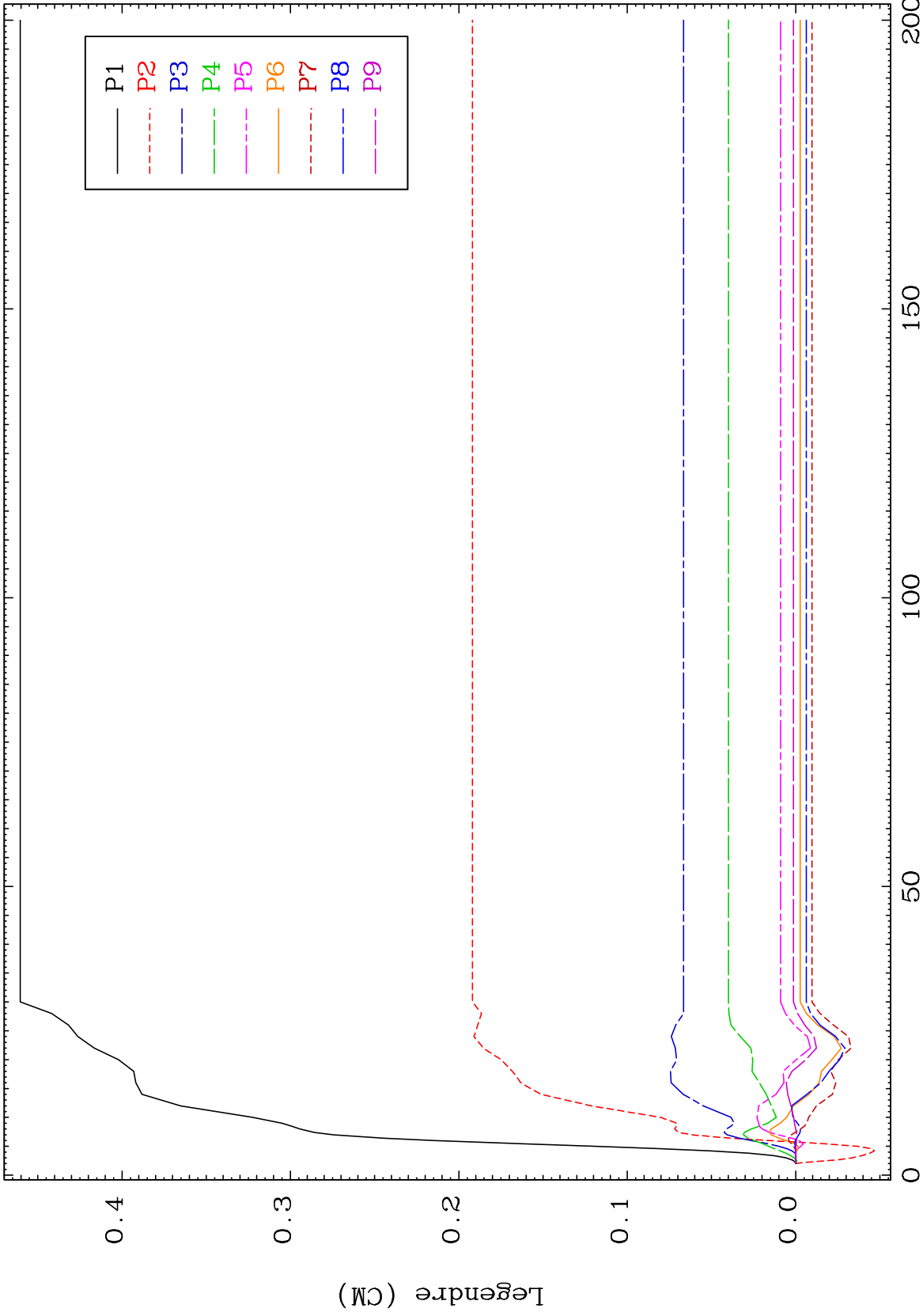
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



60-Nd-146

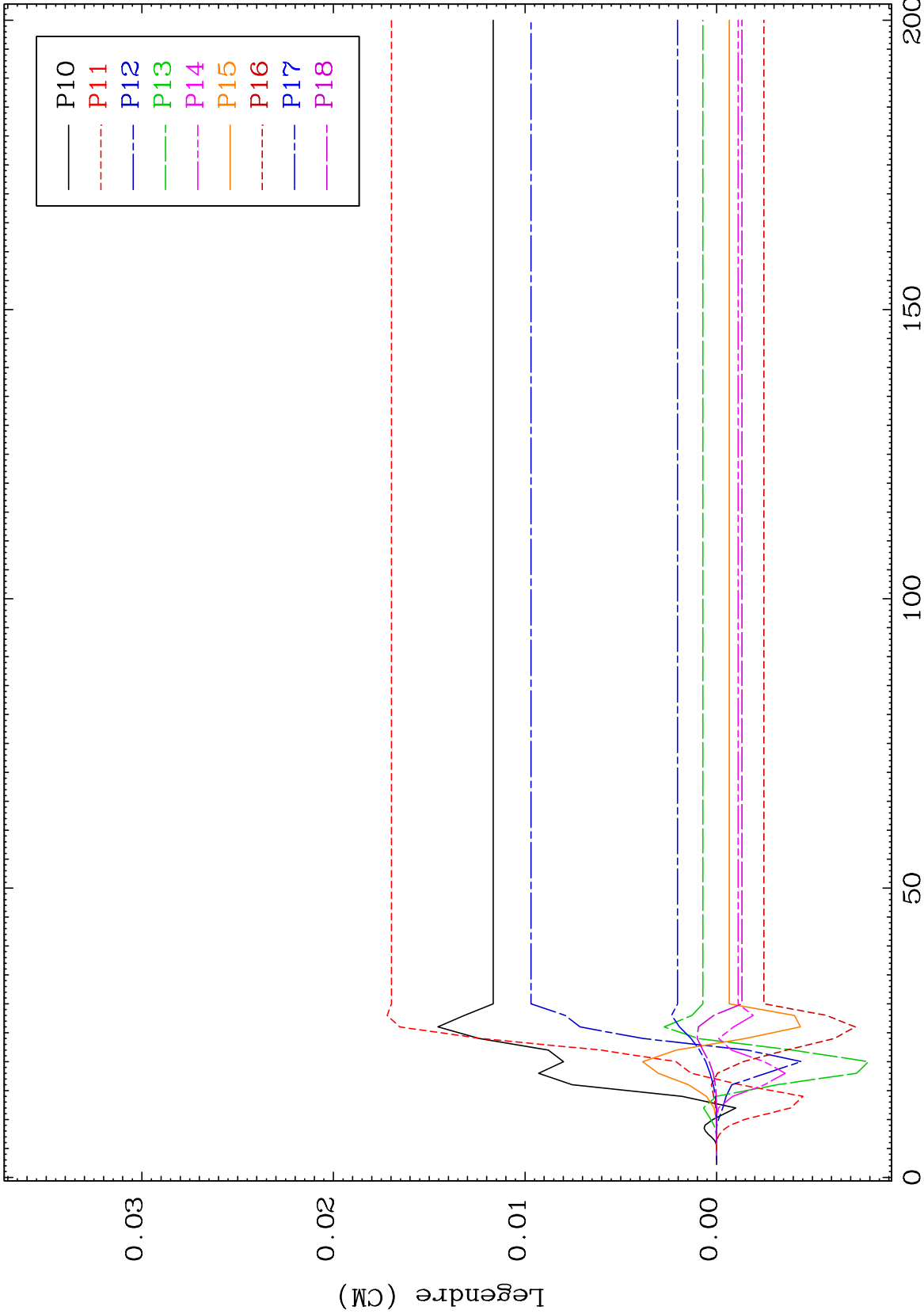
Incident Energy (MeV)

105

MAT 6037

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

60-Nd-146



106

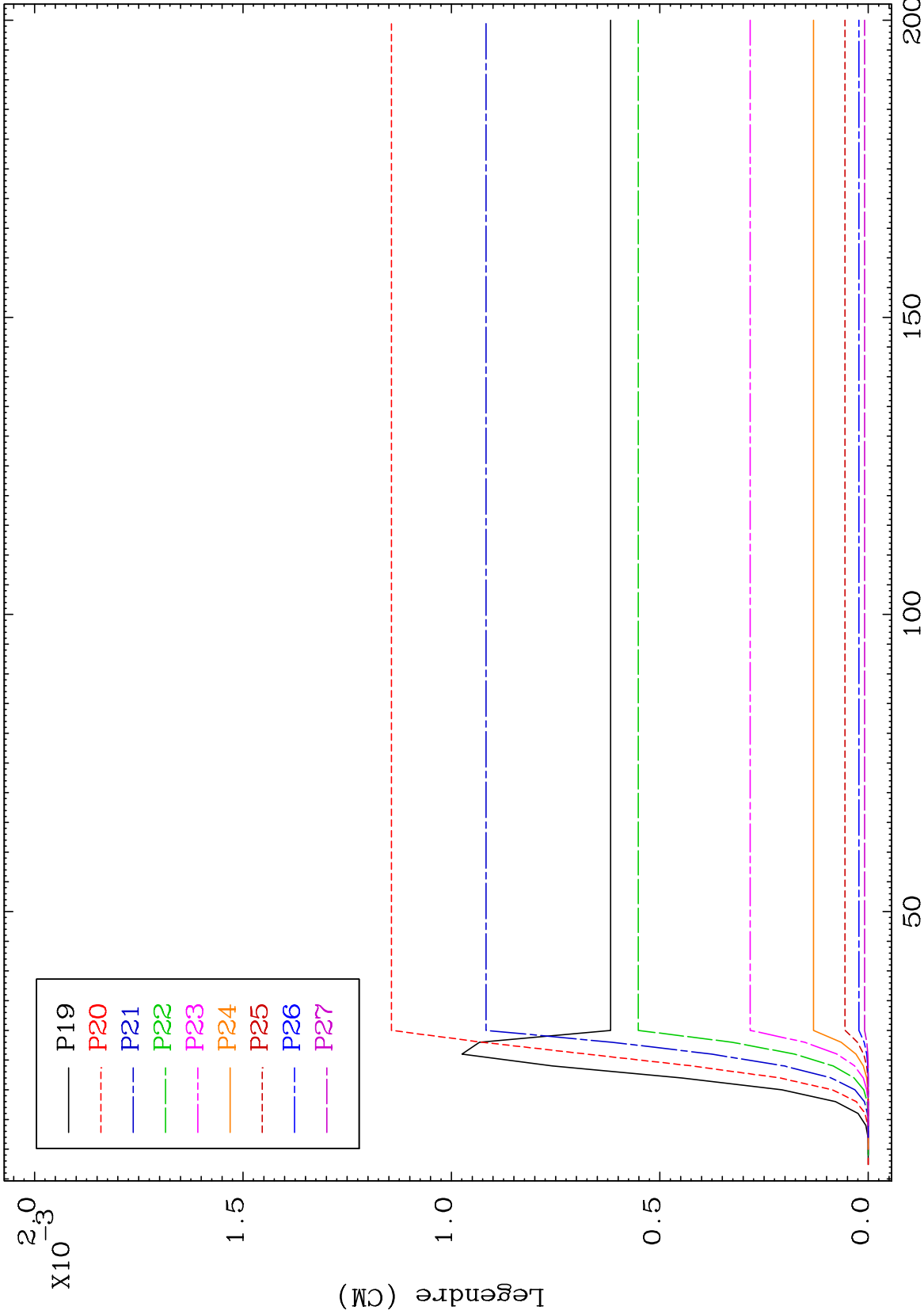
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



107

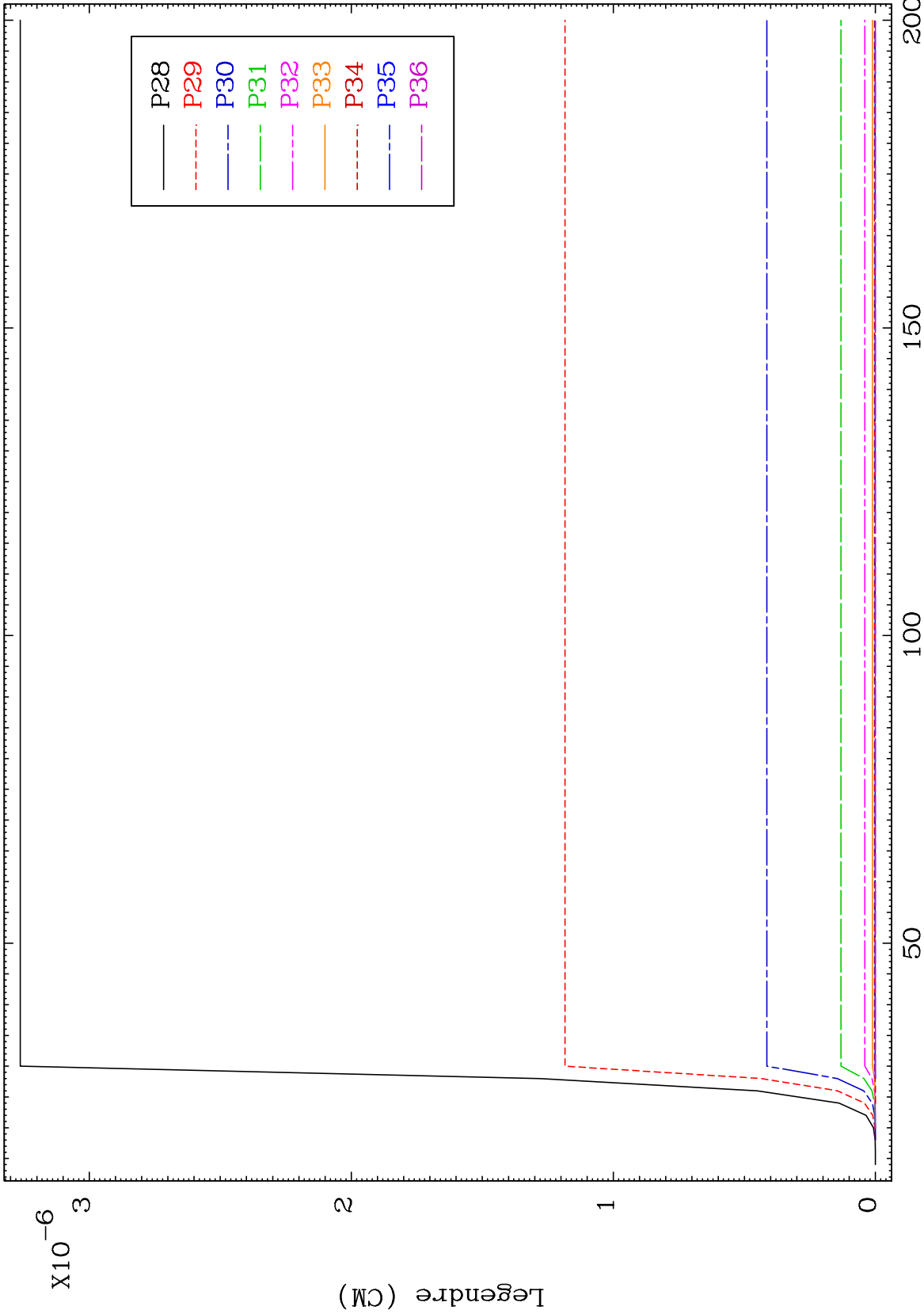
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



108

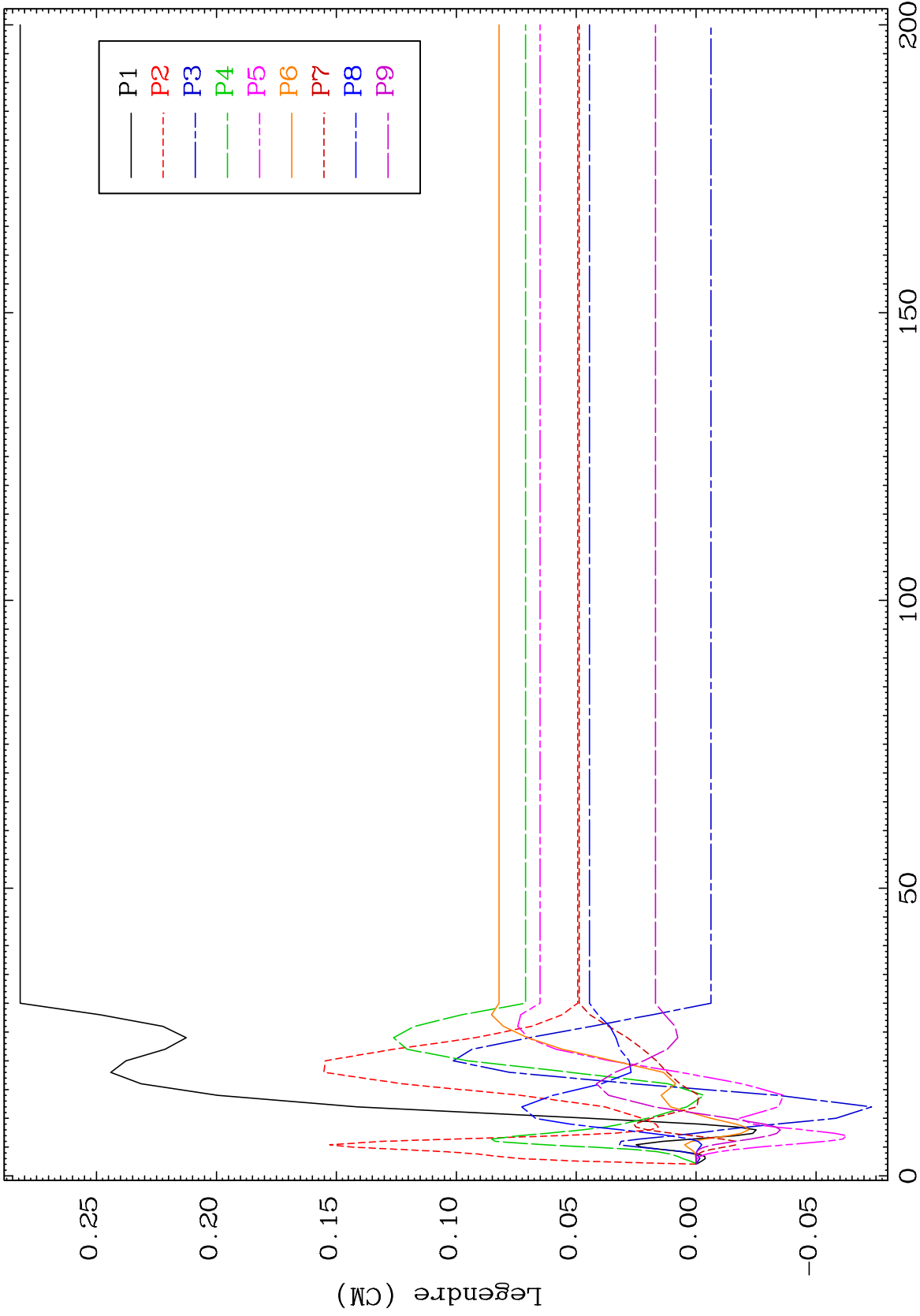
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



109

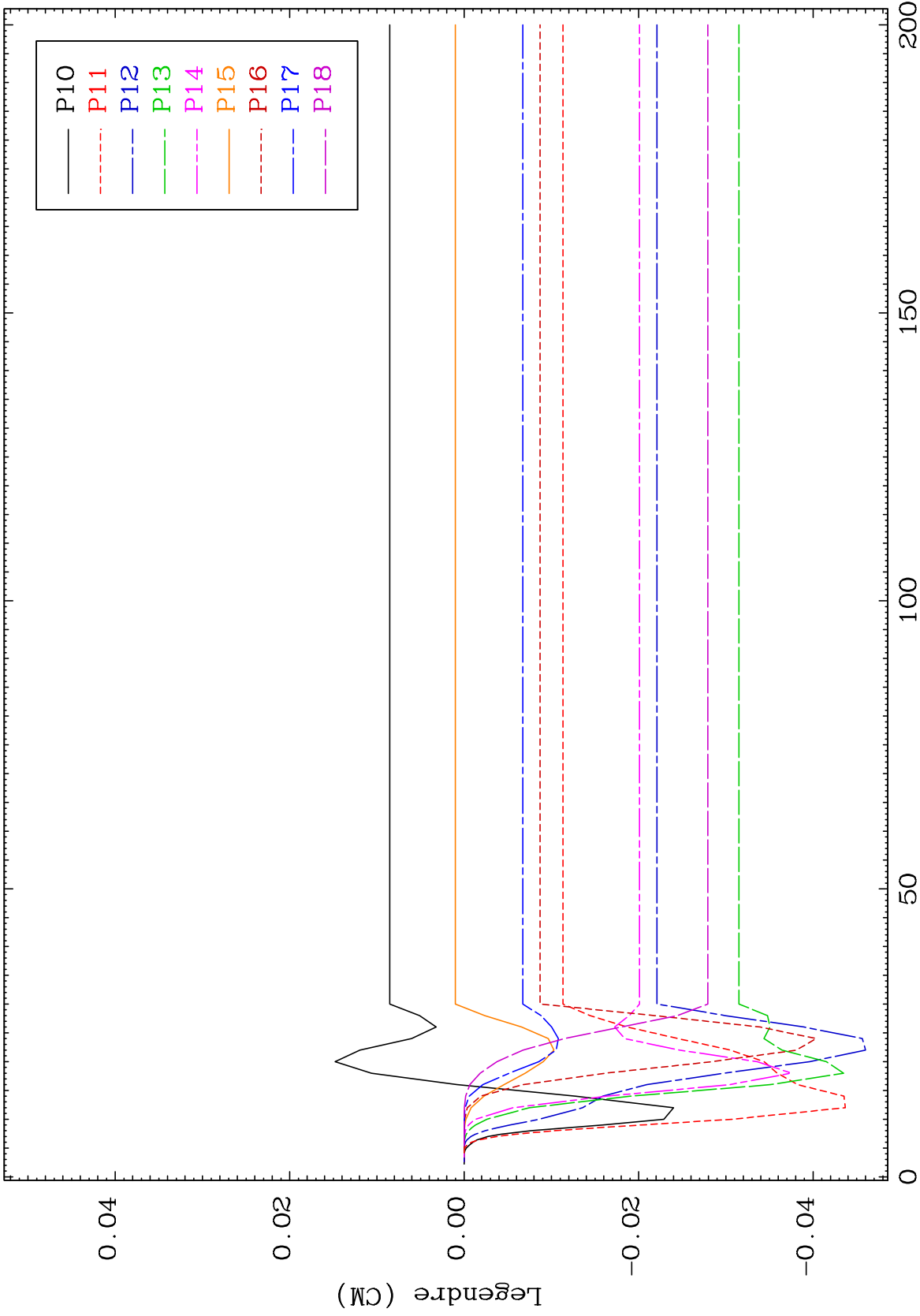
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



60-Nd-146

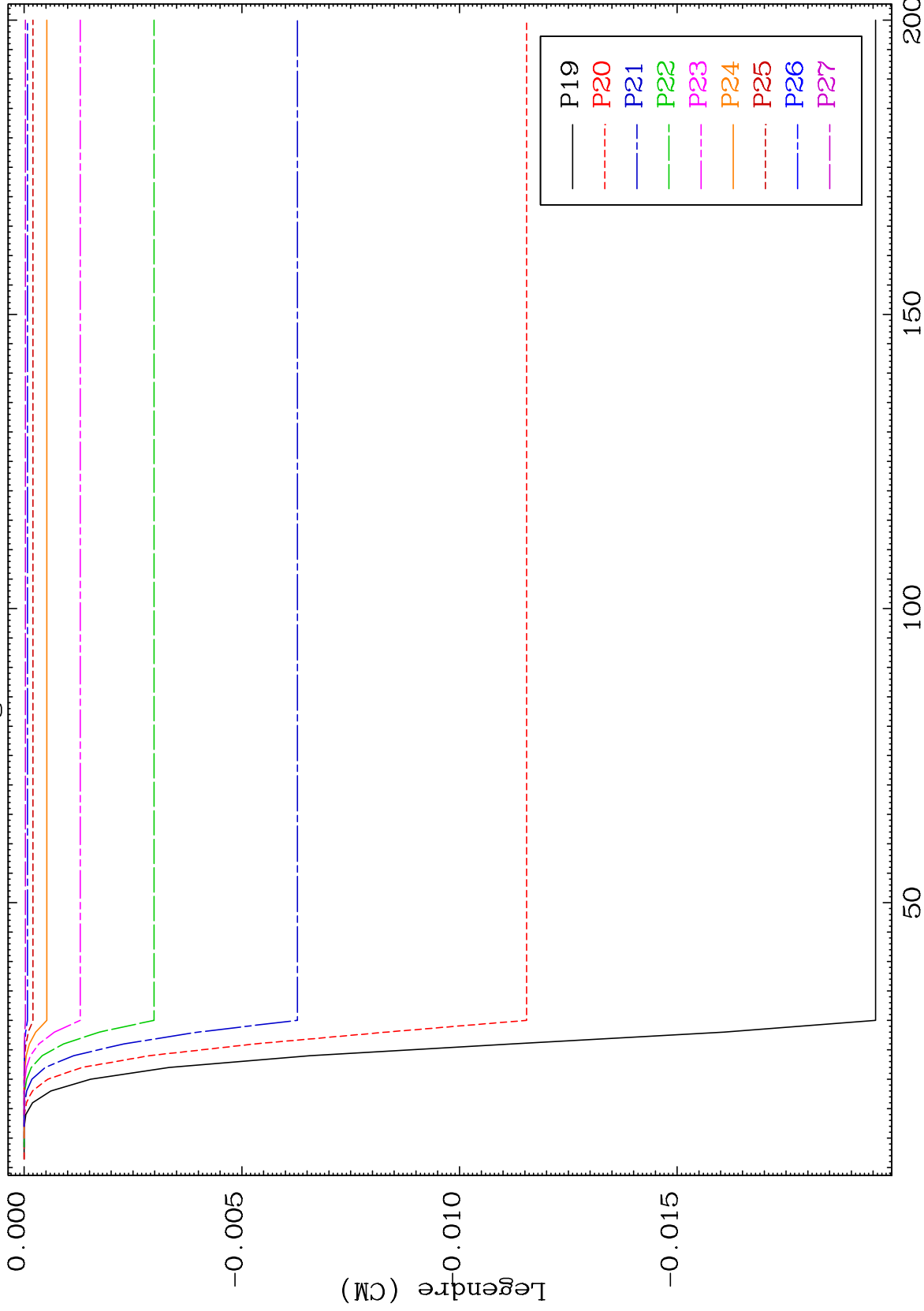
Incident Energy (MeV)

110

MAT 6037

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

60-Nd-146



60-Nd-146

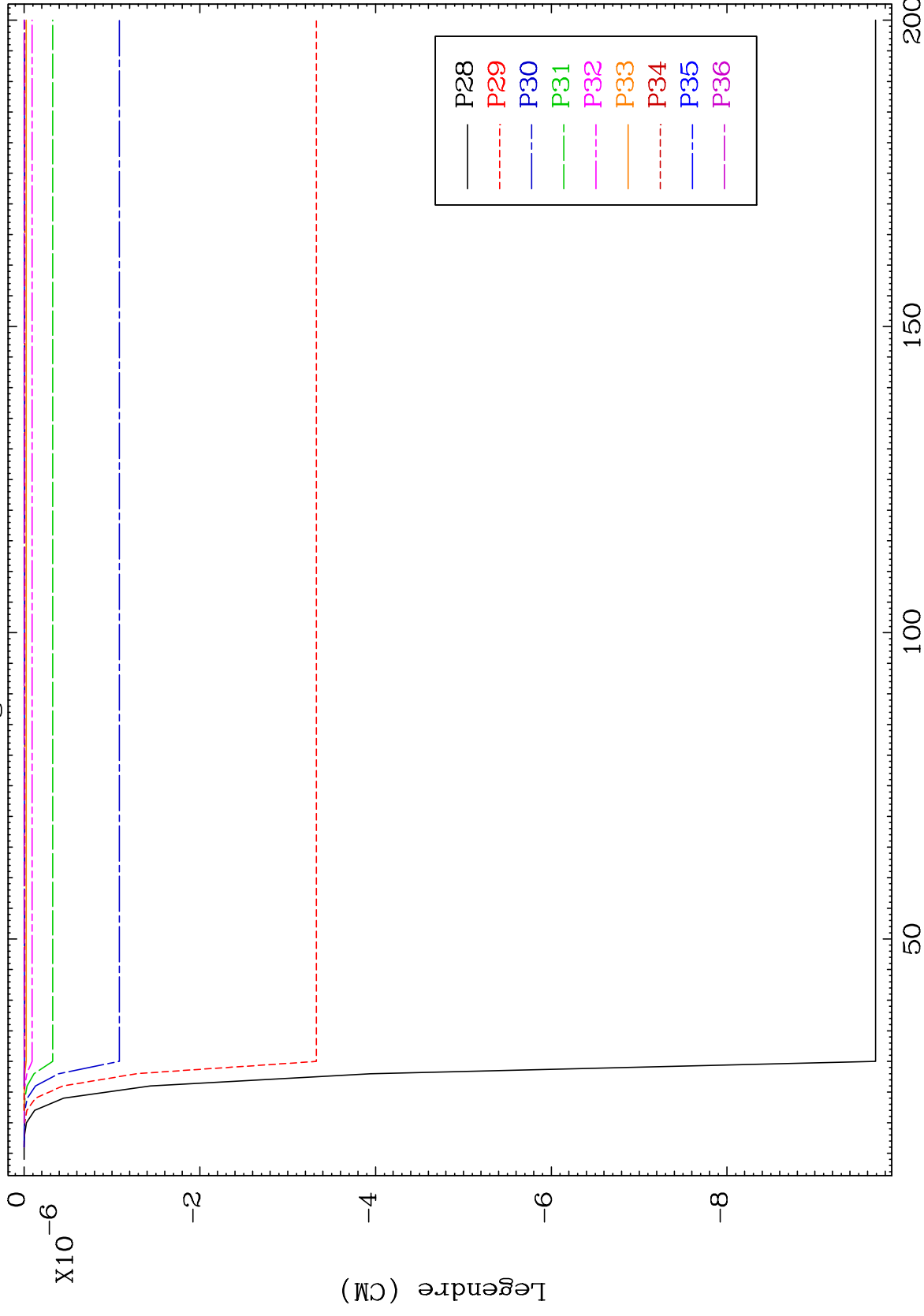
Incident Energy (MeV)

111

MAT 6037

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

60-Nd-146



60-Nd-146

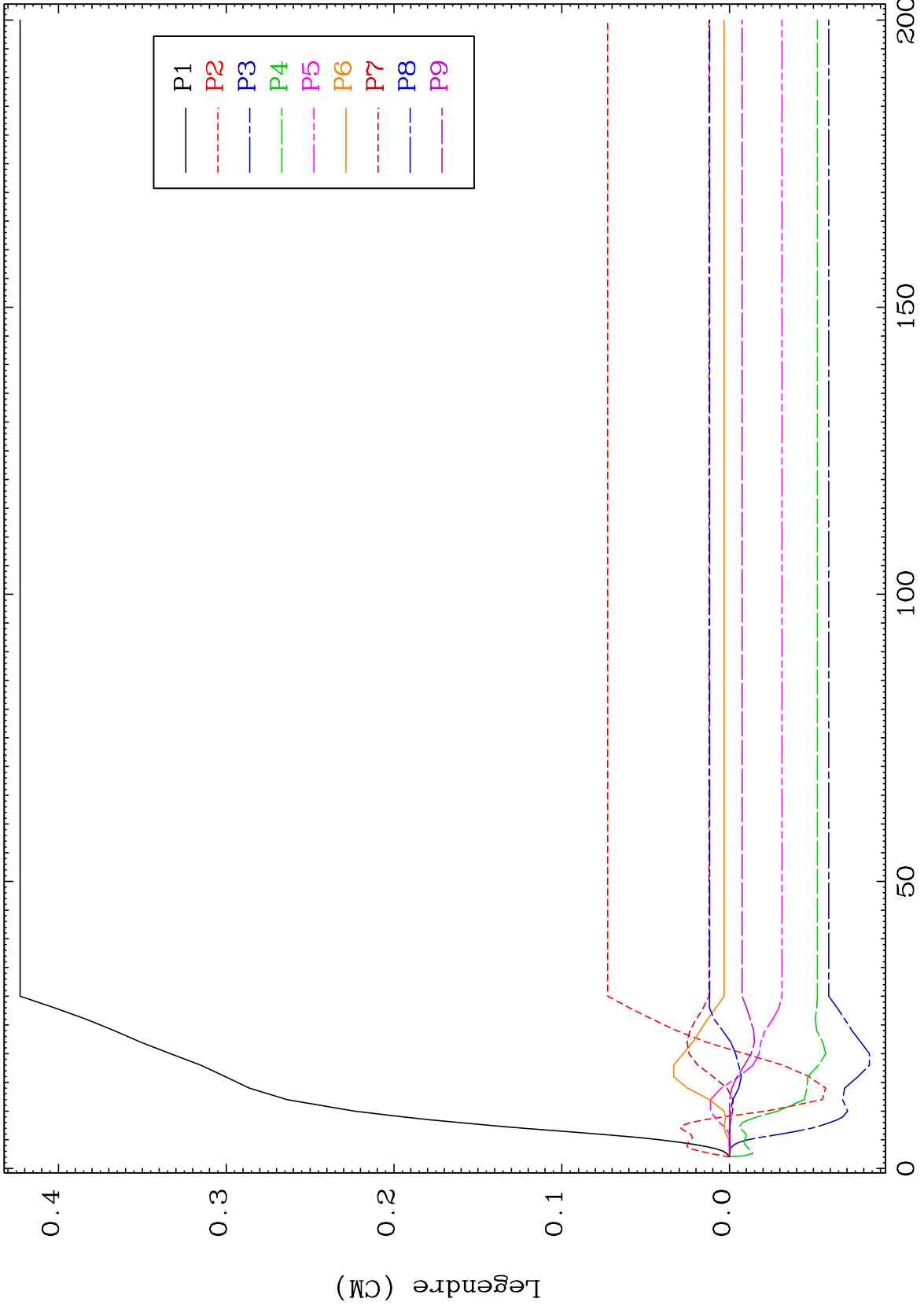
Incident Energy (MeV)

112

MAT 6037

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

60-Nd-146



60-Nd-146

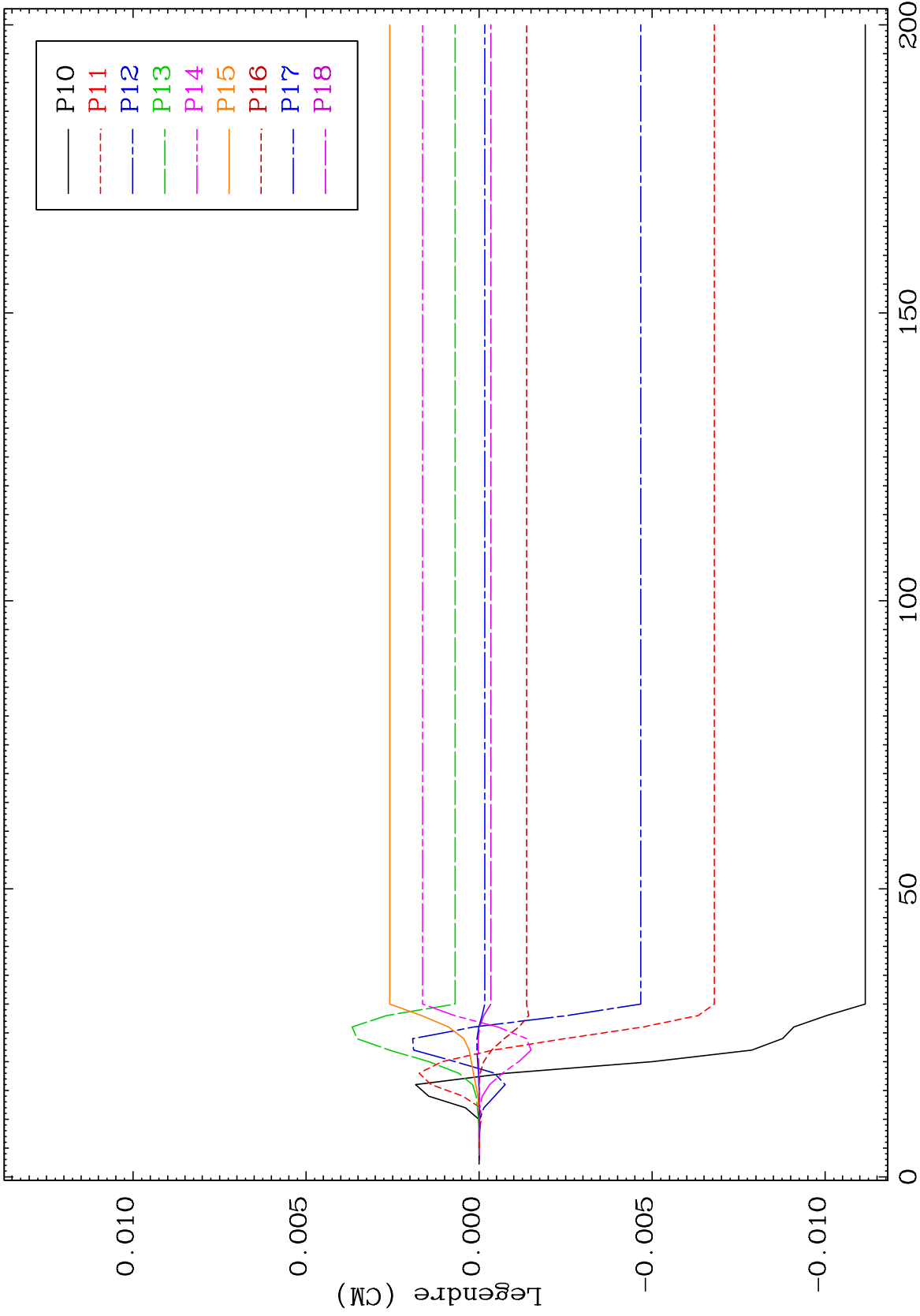
Incident Energy (MeV)

113

MAT 6037

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

60-Nd-146



114

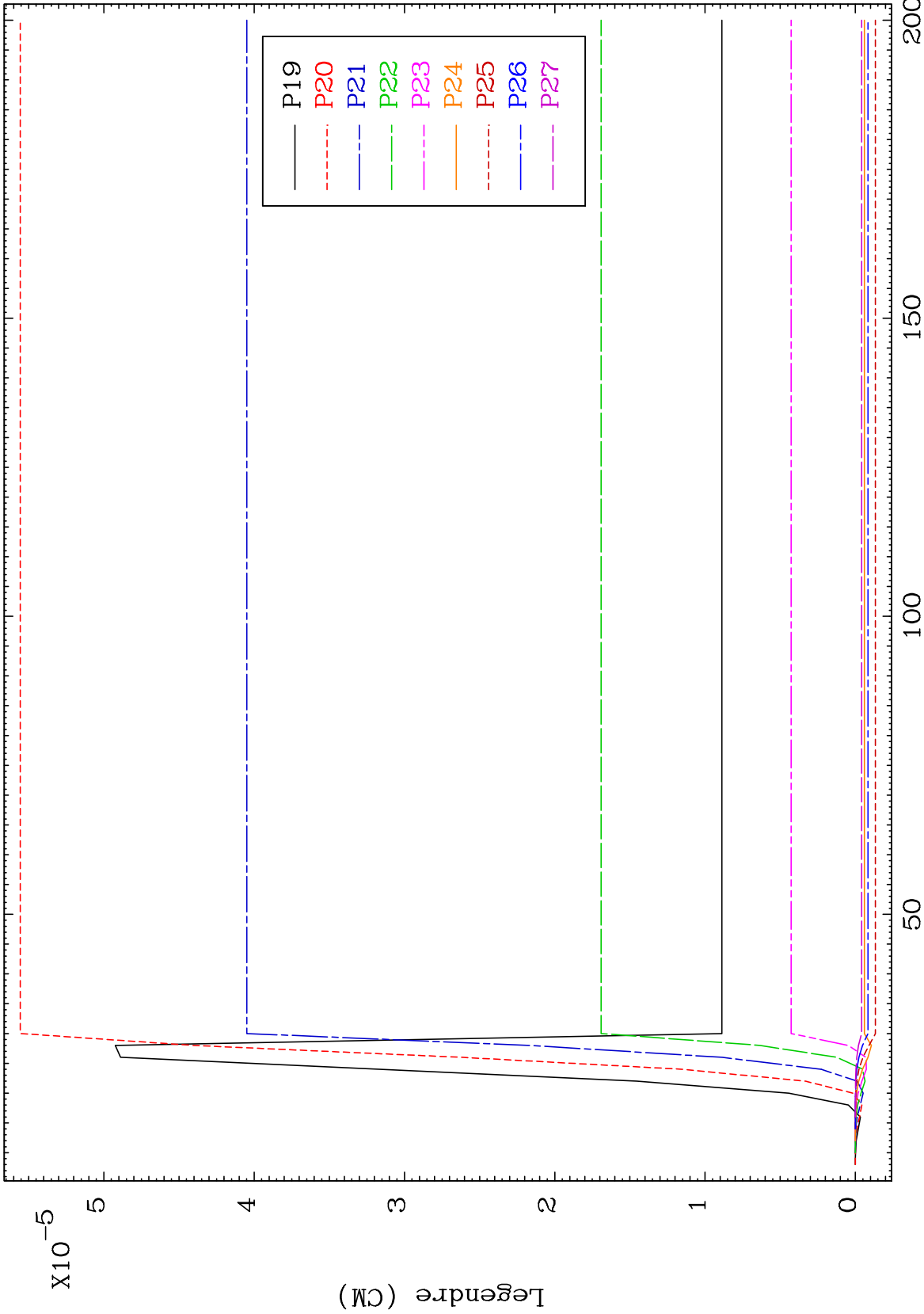
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



115

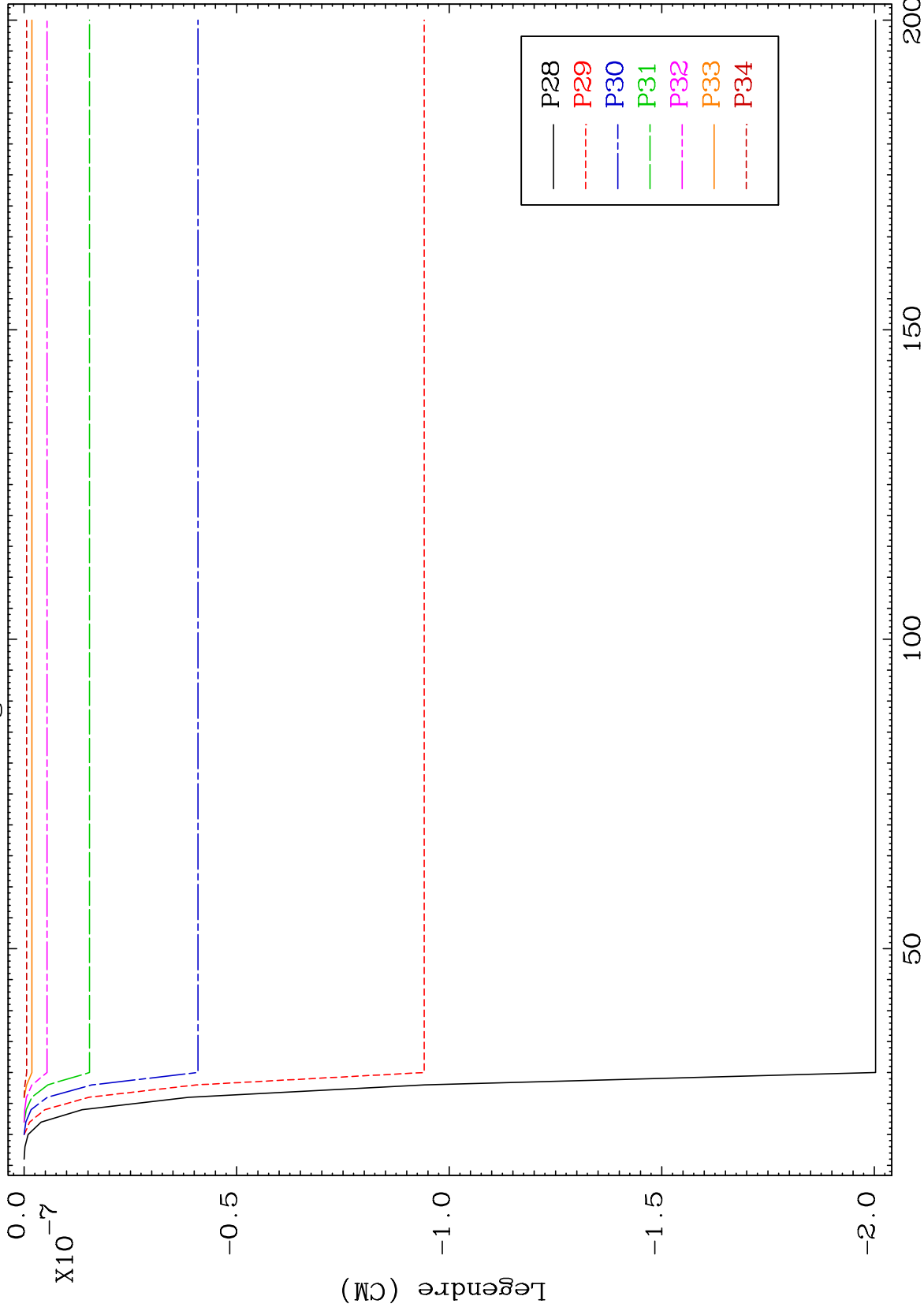
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146

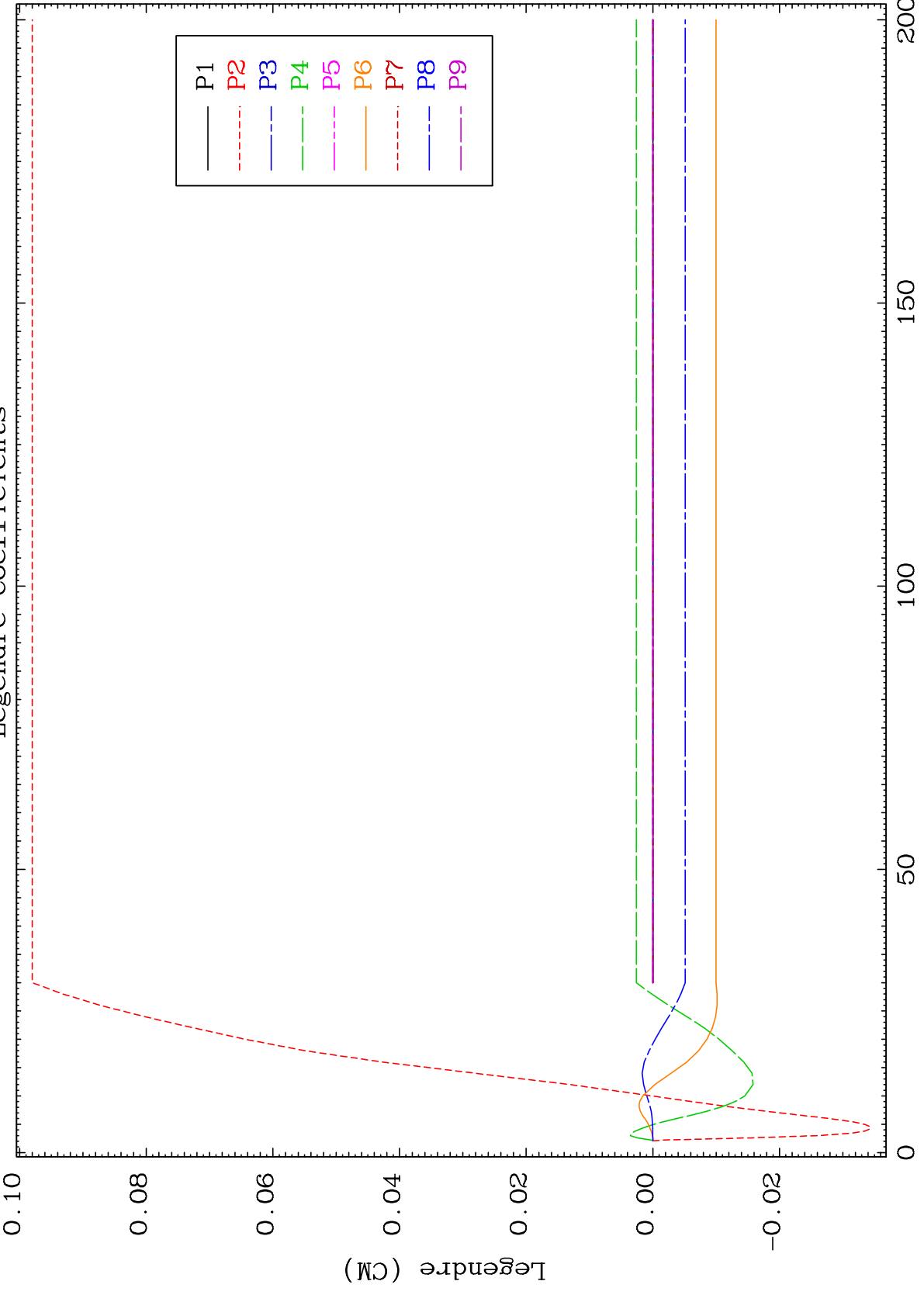


60-Nd-146

Incident Energy (MeV)

116

MAT 6037 MT= 77 (n,n') Level Legendre Coefficients 60-Nd-146

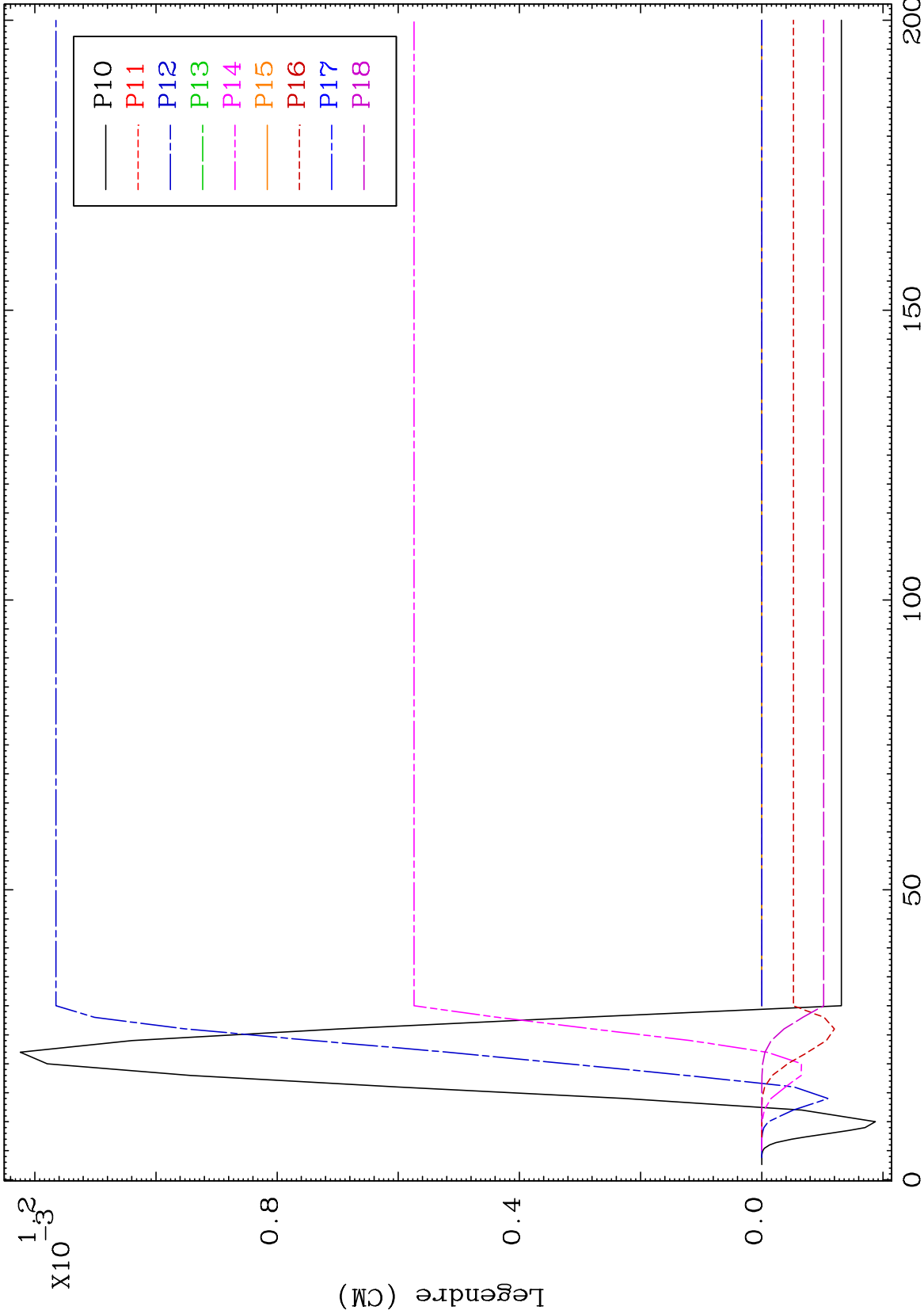


117 60-Nd-146

MAT 6037

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

60-Nd-146



118

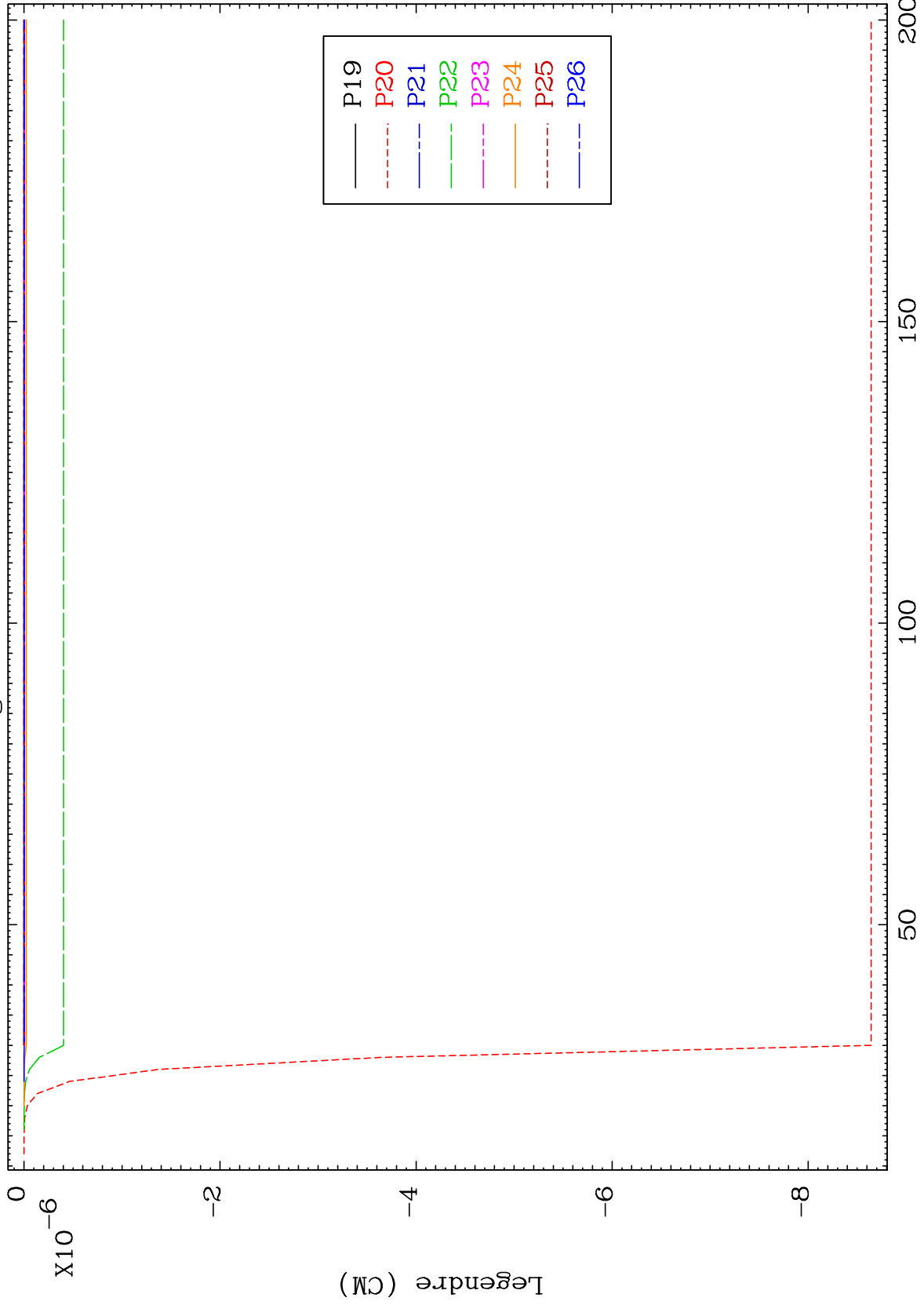
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



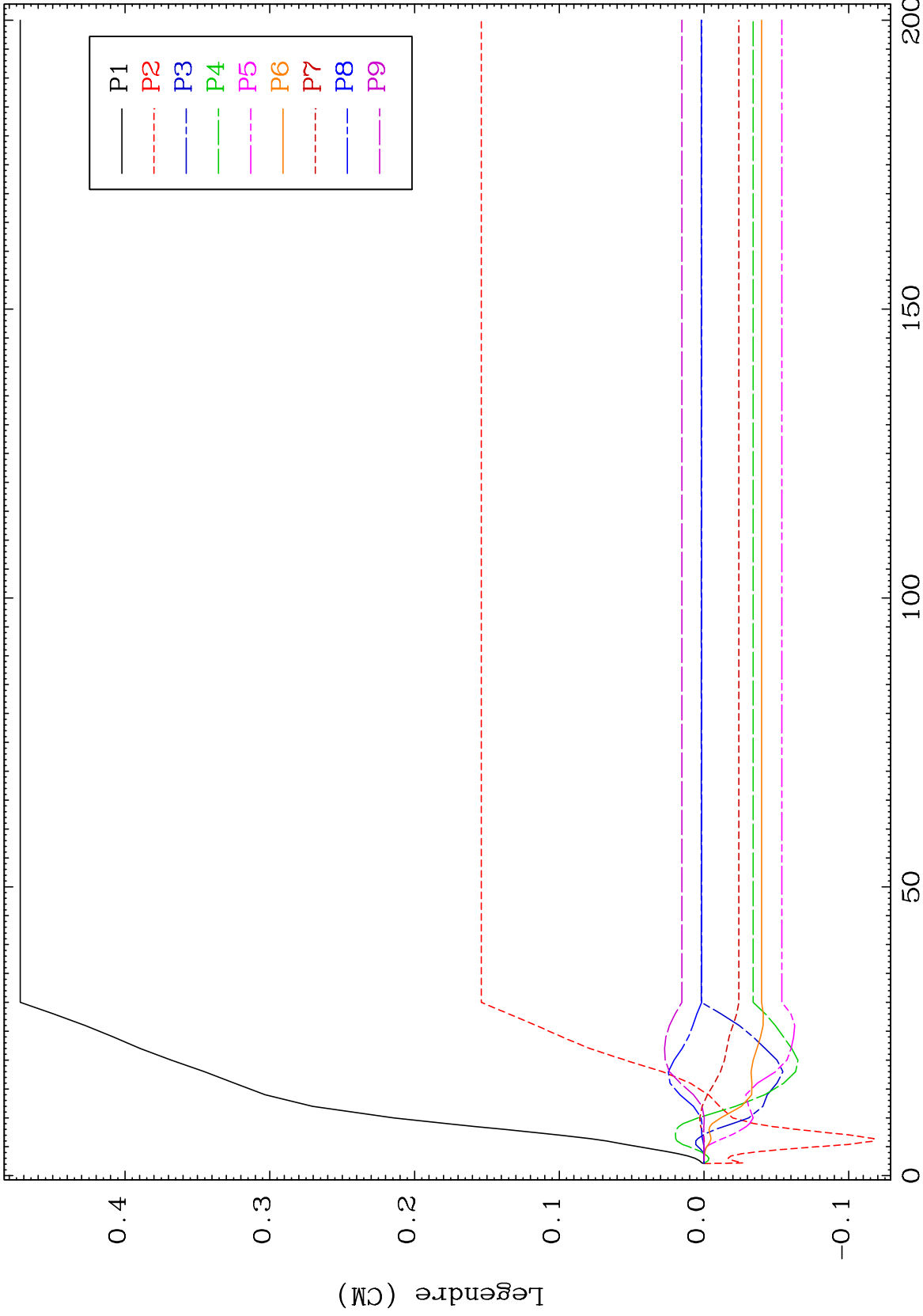
119

60-Nd-146

MAT 6037

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

60-Nd-146



60-Nd-146

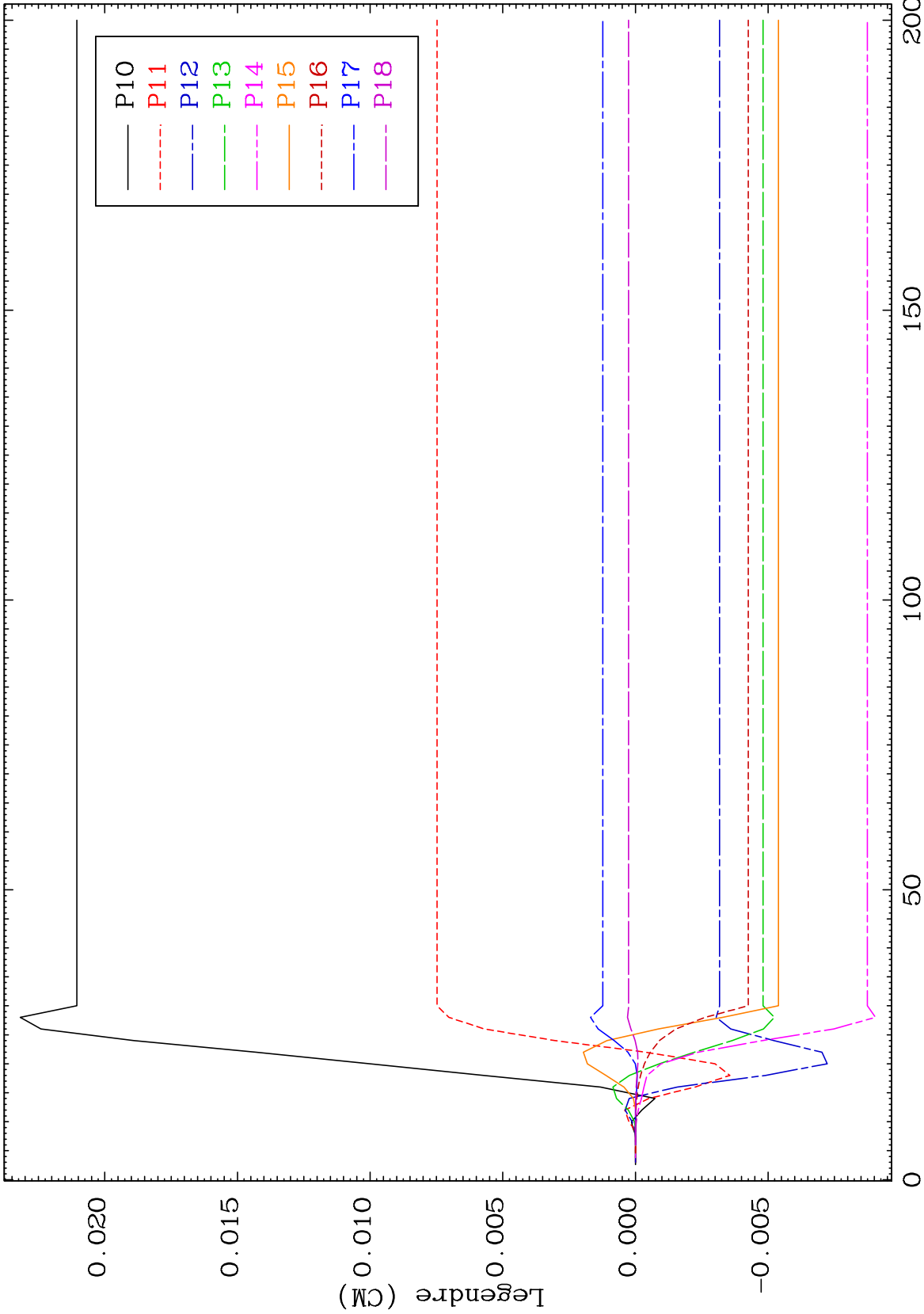
Incident Energy (MeV)

Legendre (CM)

MAT 6037

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

60-Nd-146



121

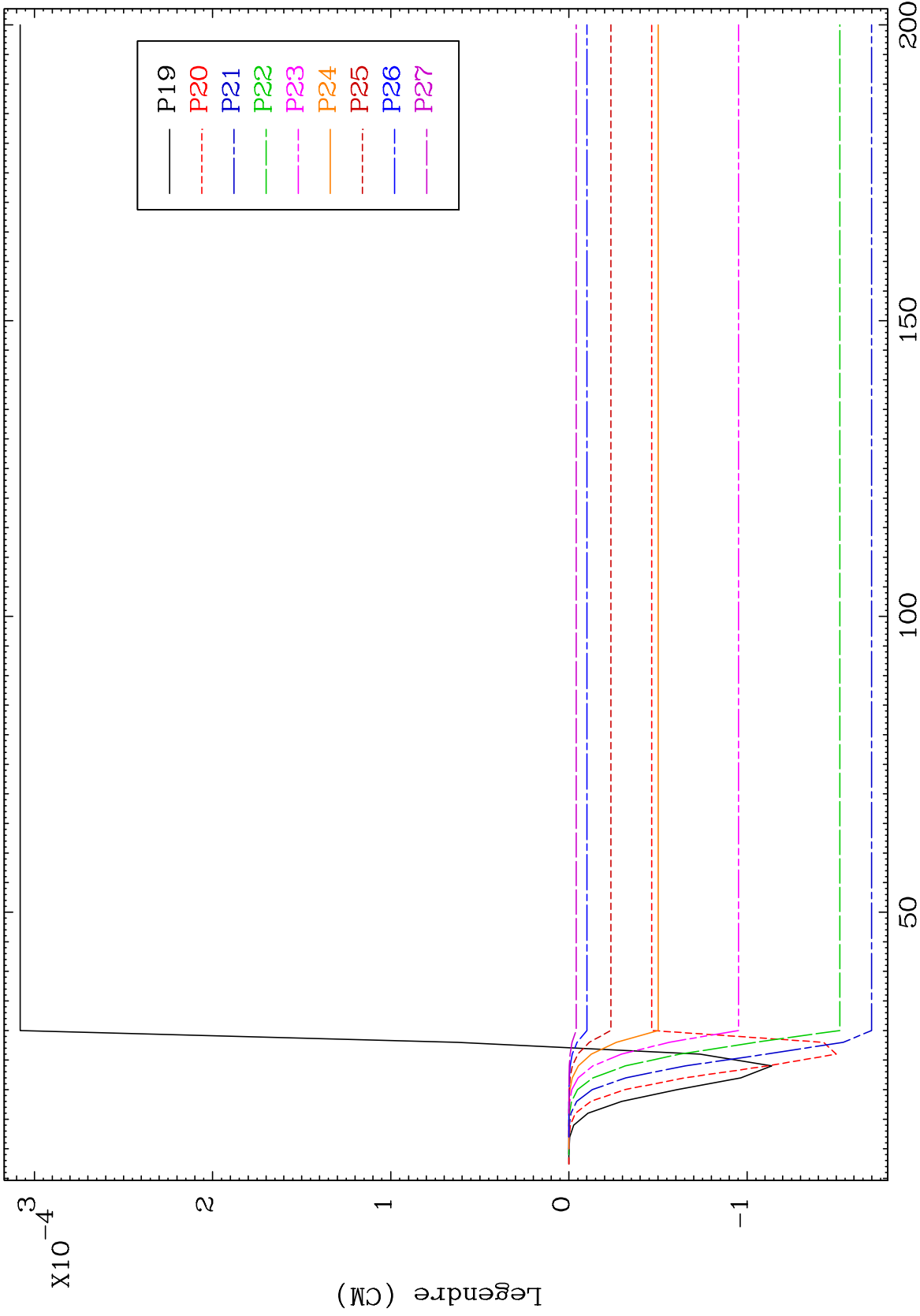
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



122

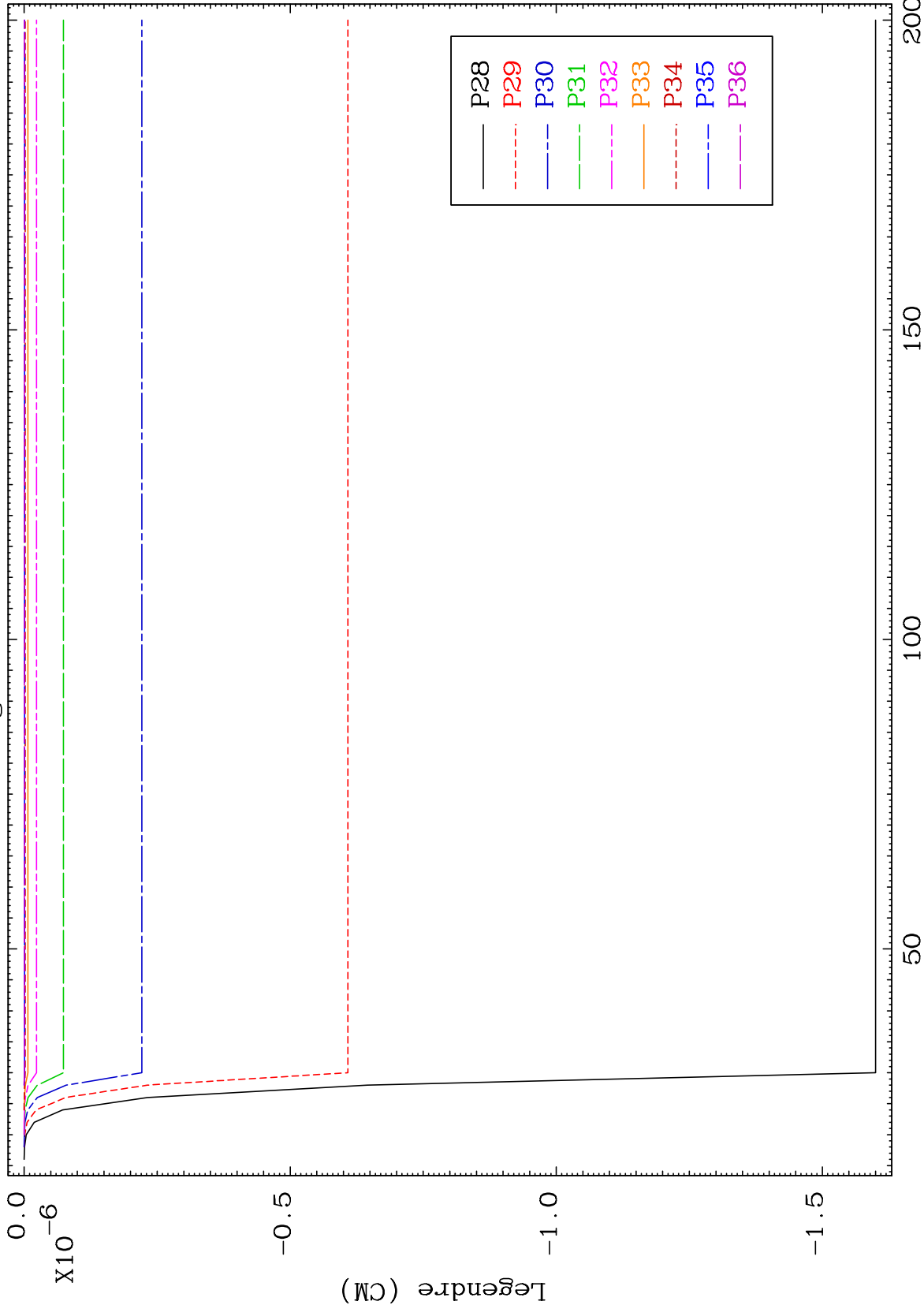
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



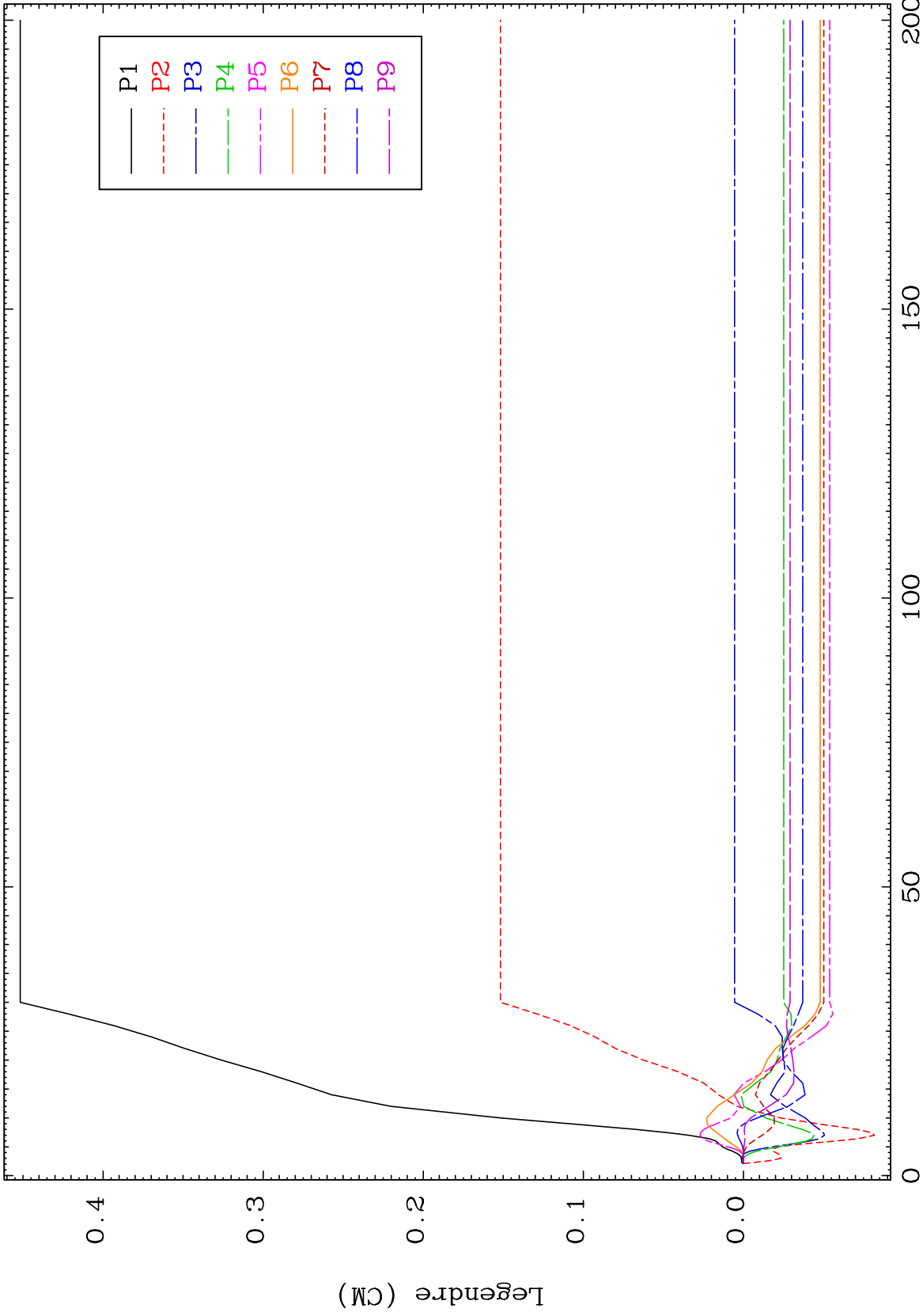
123

60-Nd-146

MAT 6037

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

60-Nd-146



124

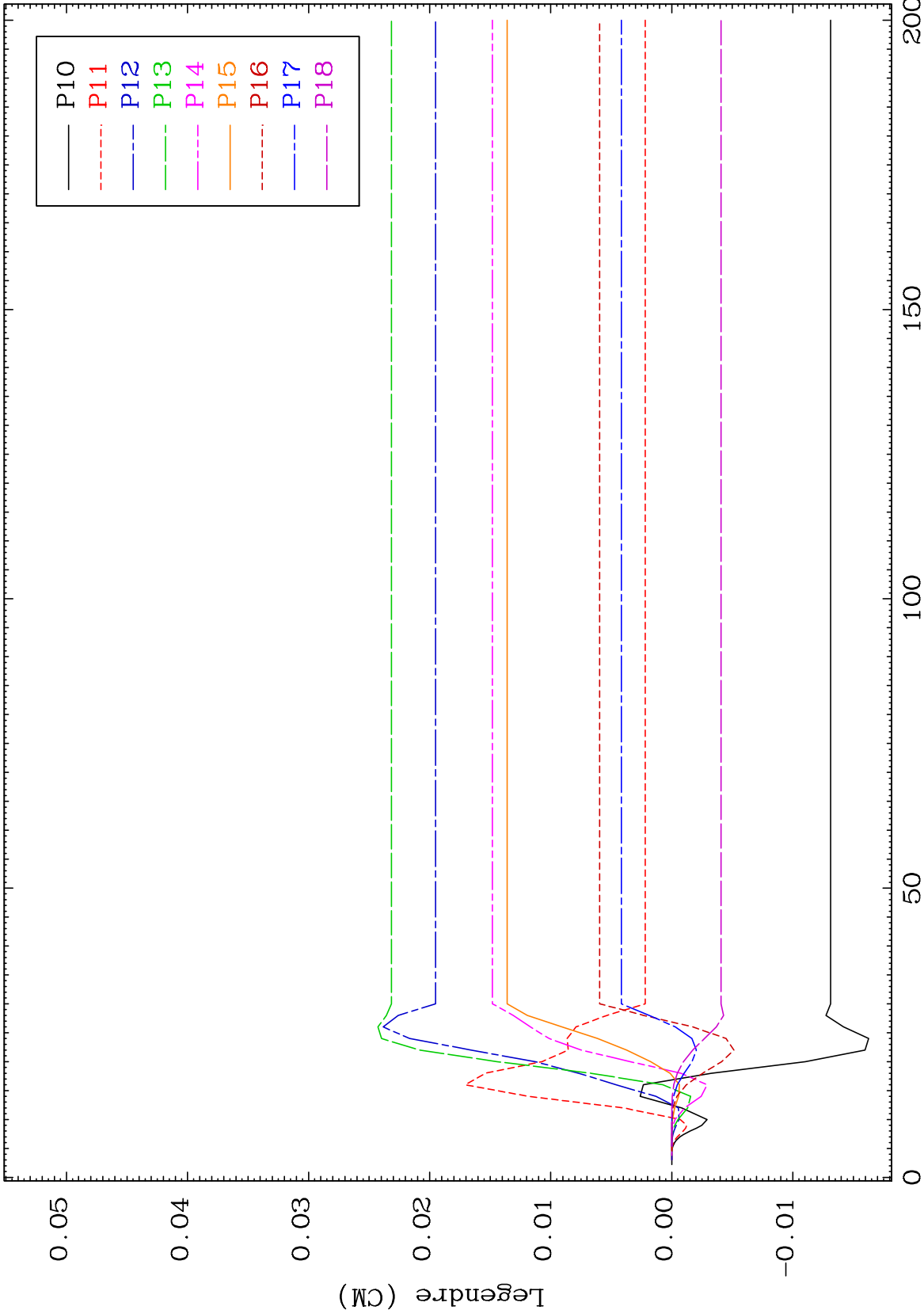
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



125

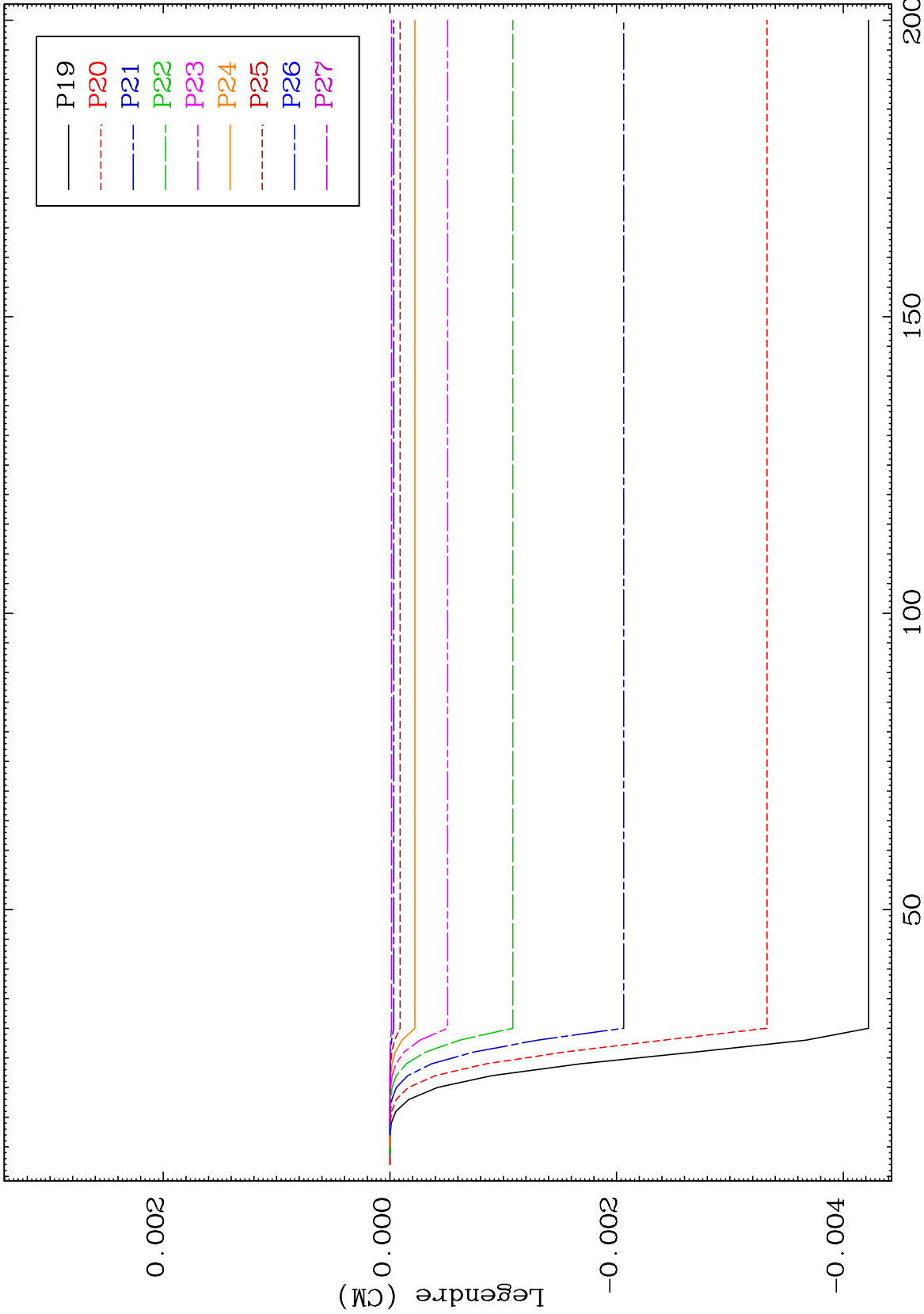
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



126

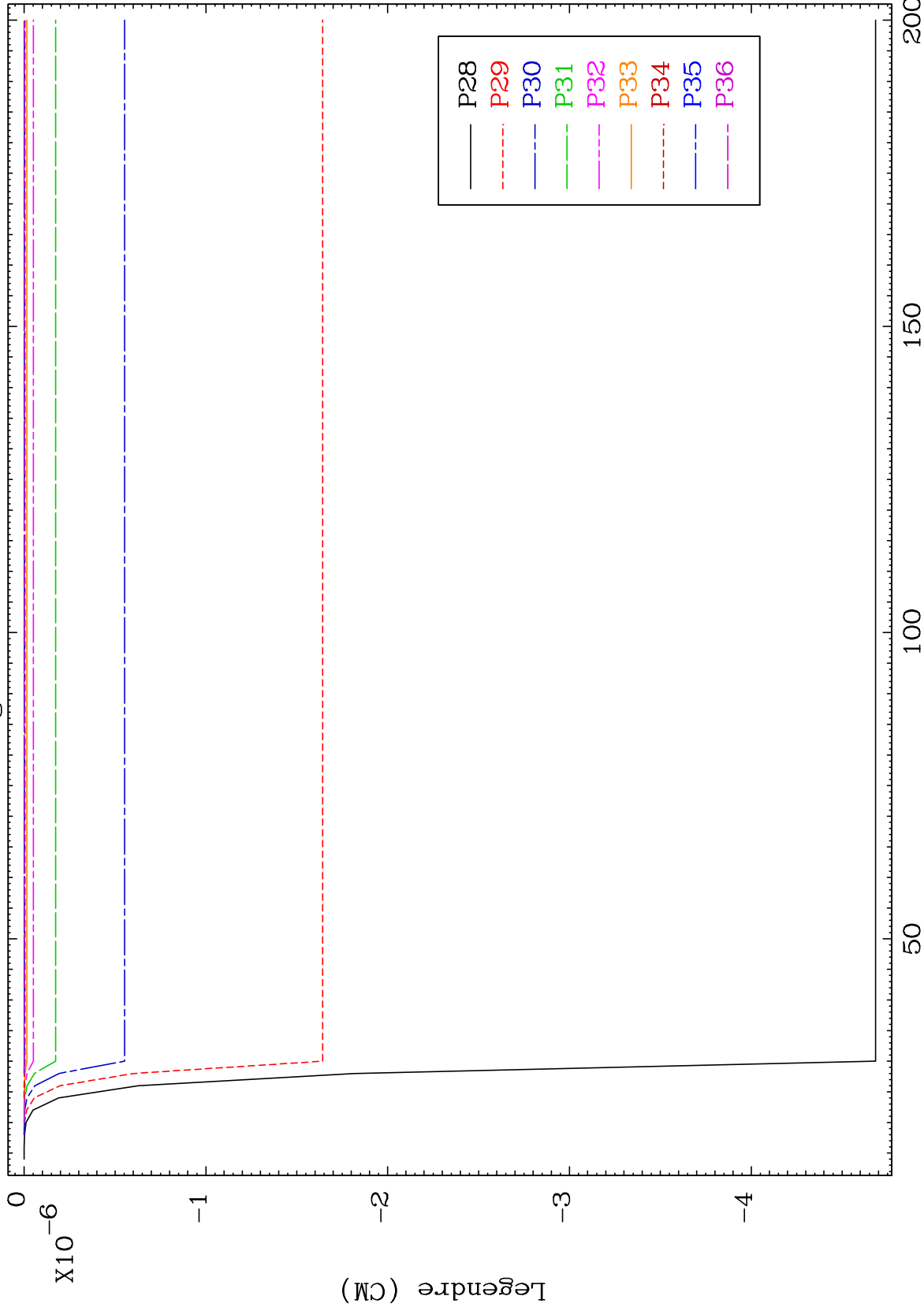
Incident Energy (MeV)

60-Nd-146

MAT 6037

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

60-Nd-146



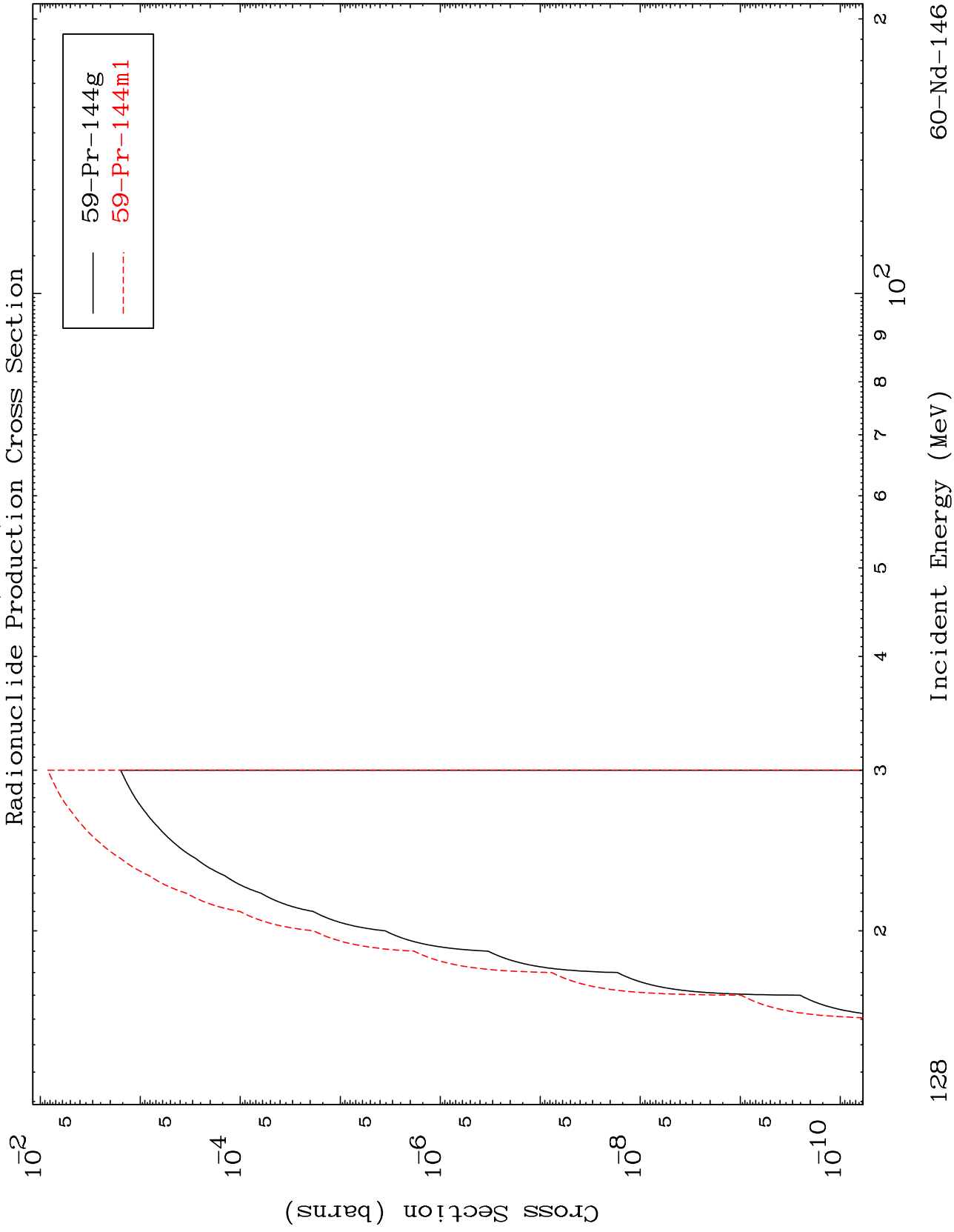
127

60-Nd-146

MAT 6037

(n,n') d

⁶⁰Nd-146



128

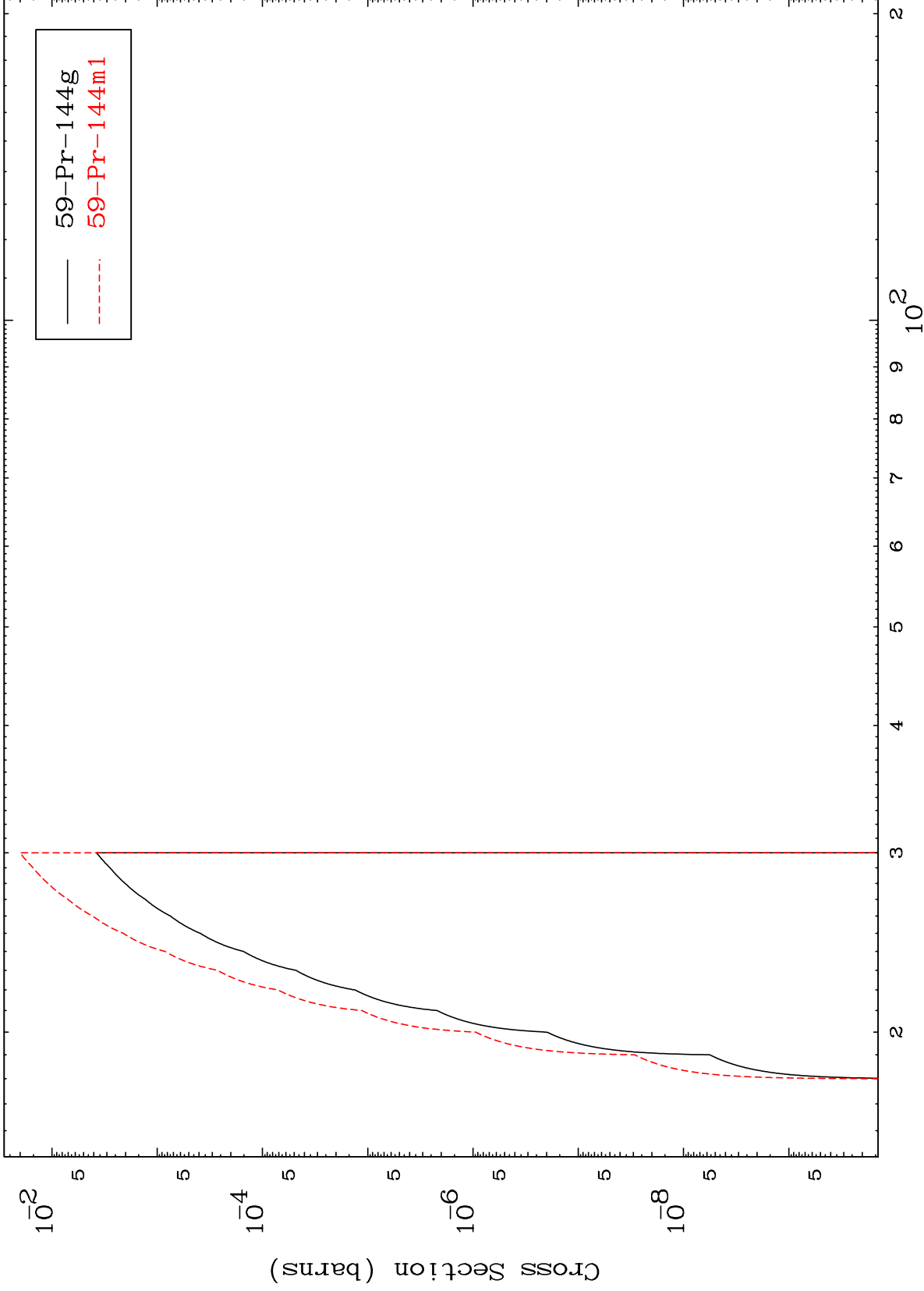
⁶⁰Nd-146

MAT 6037

(n,2n) p

60-Nd-146

Radionuclide Production Cross Section



129

Incident Energy (MeV)

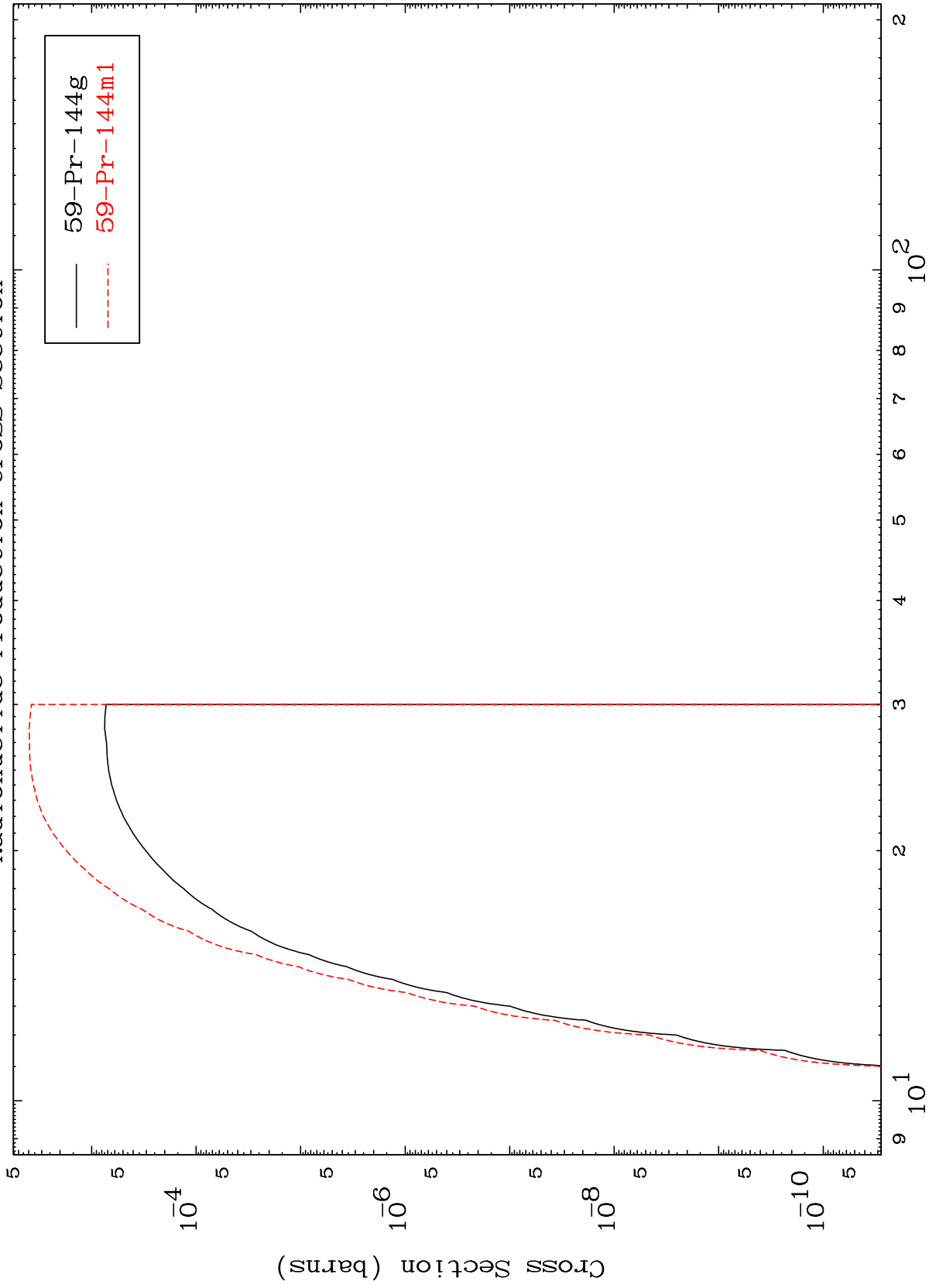
60-Nd-146

MAT 6037

(n, t)

60-Nd-146

Radionuclide Production Cross Section



130

Incident Energy (MeV)

60-Nd-146