

Program EVALPLOT
(Version 2018-1)

by

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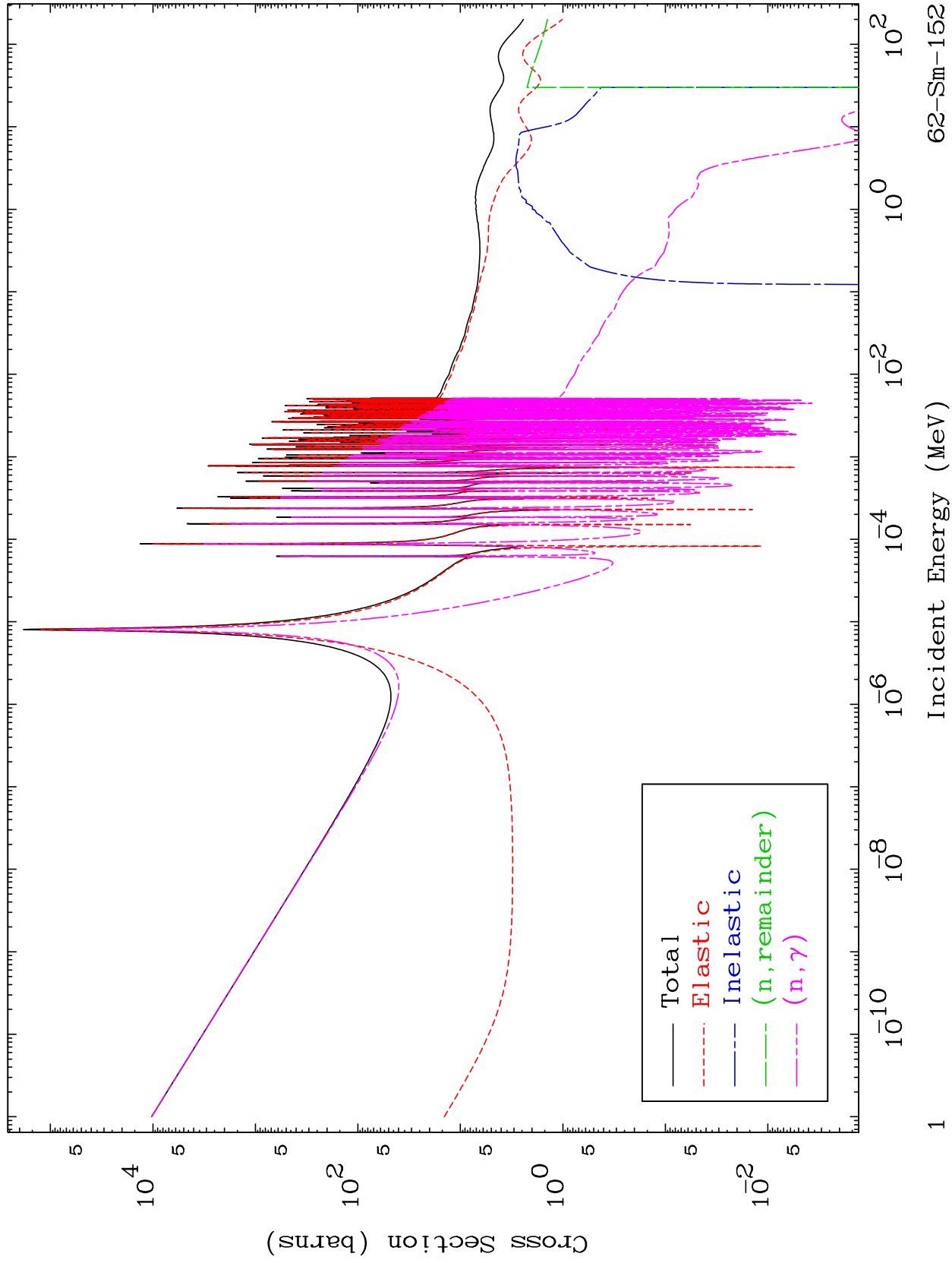
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6249

Major
293 Kelvin Cross Sections

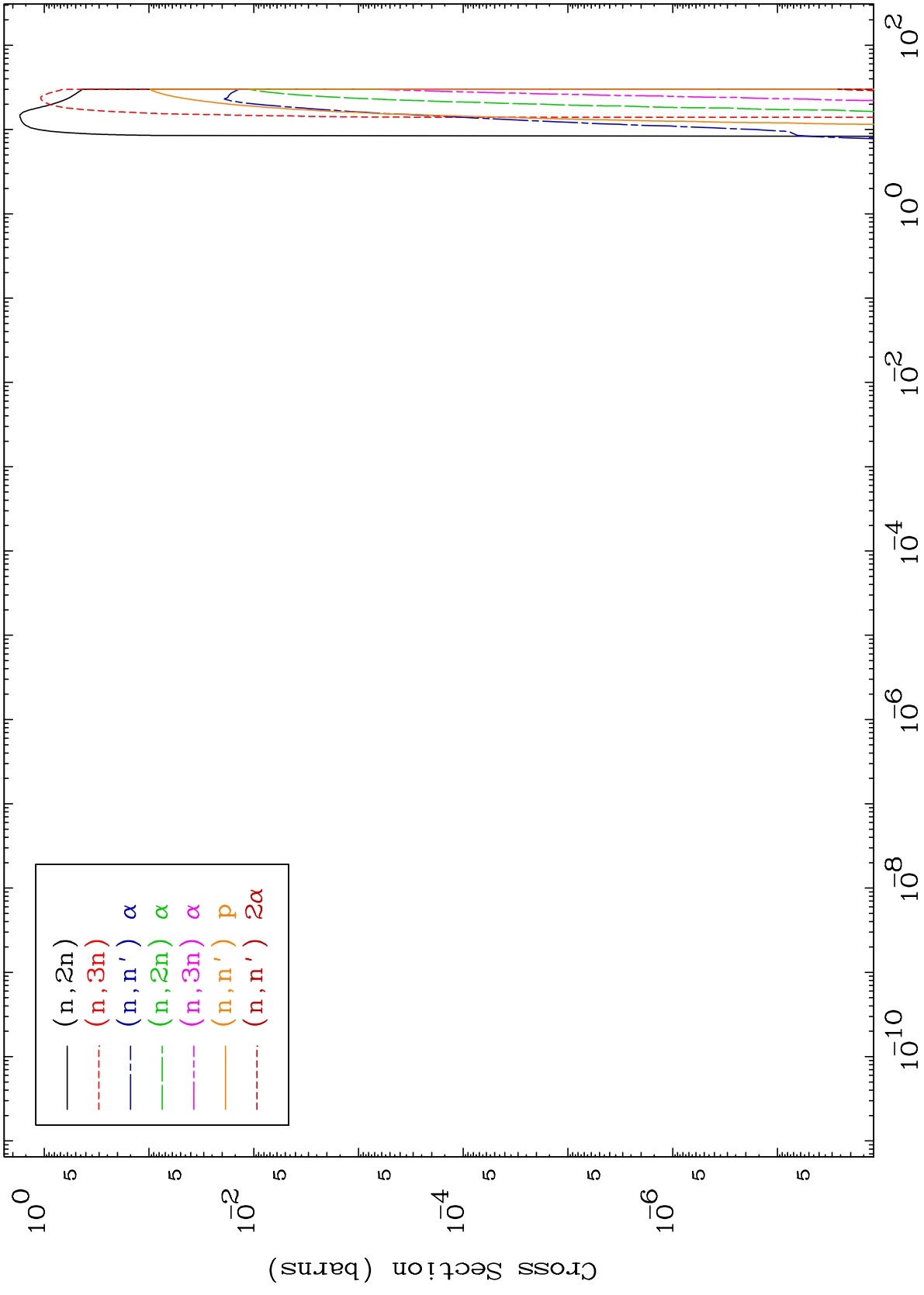
62-Sm-152



MAT 6249

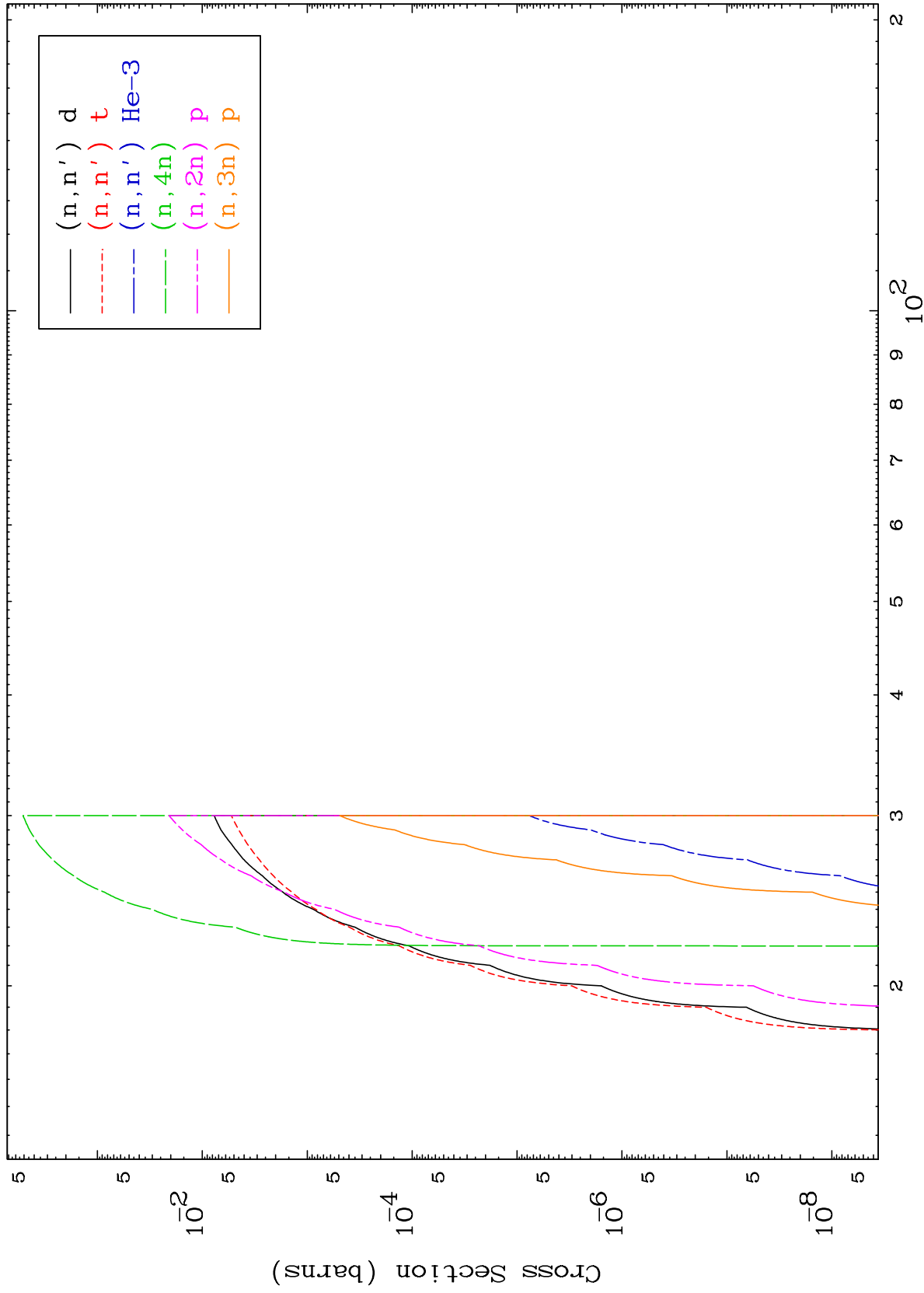
Neutron Production
293 Kelvin Cross Sections

62-Sm-152



2

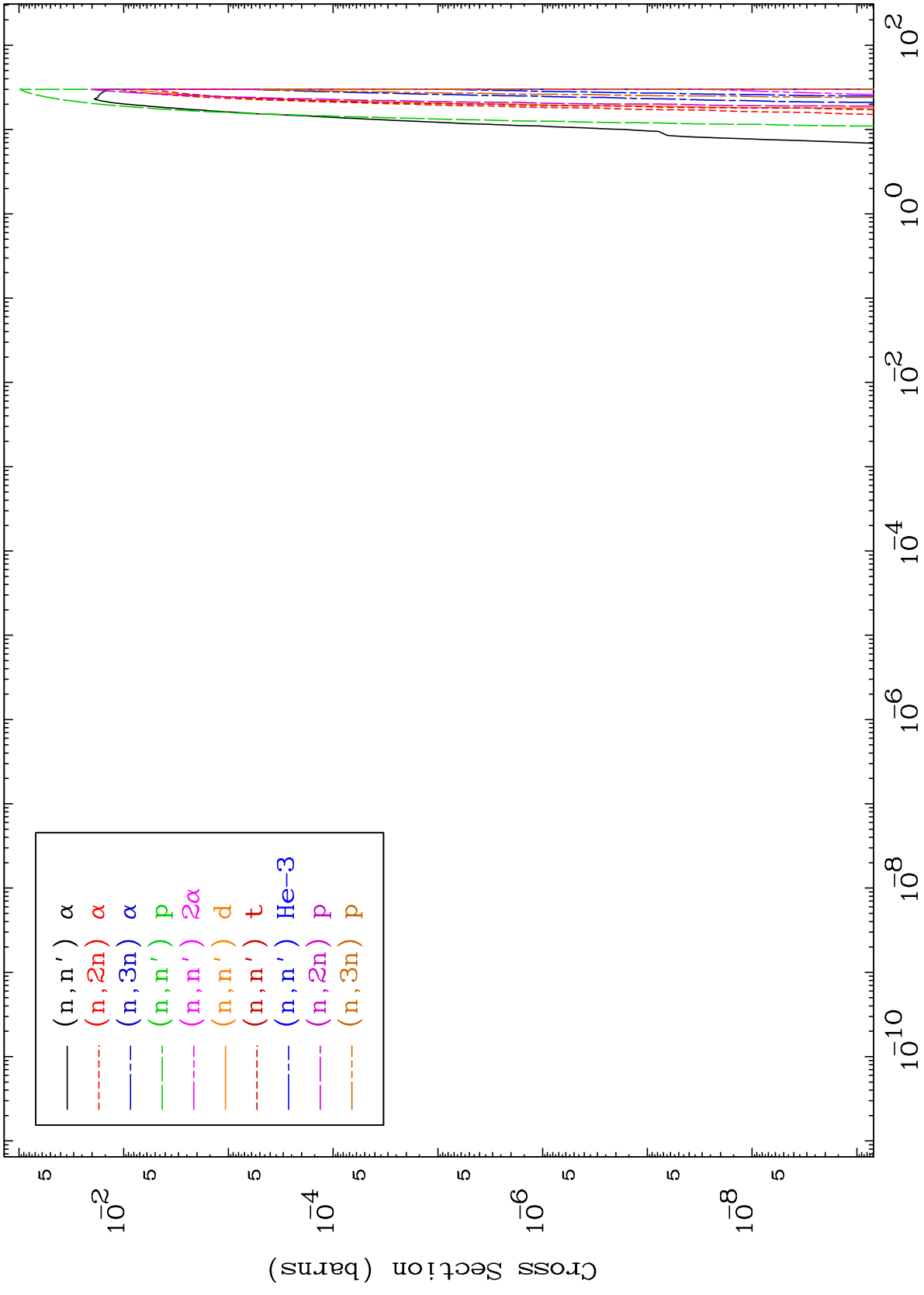
62-Sm-152



MAT 6249

Charged Particle
293 Kelvin Cross Sections

62-Sm-152



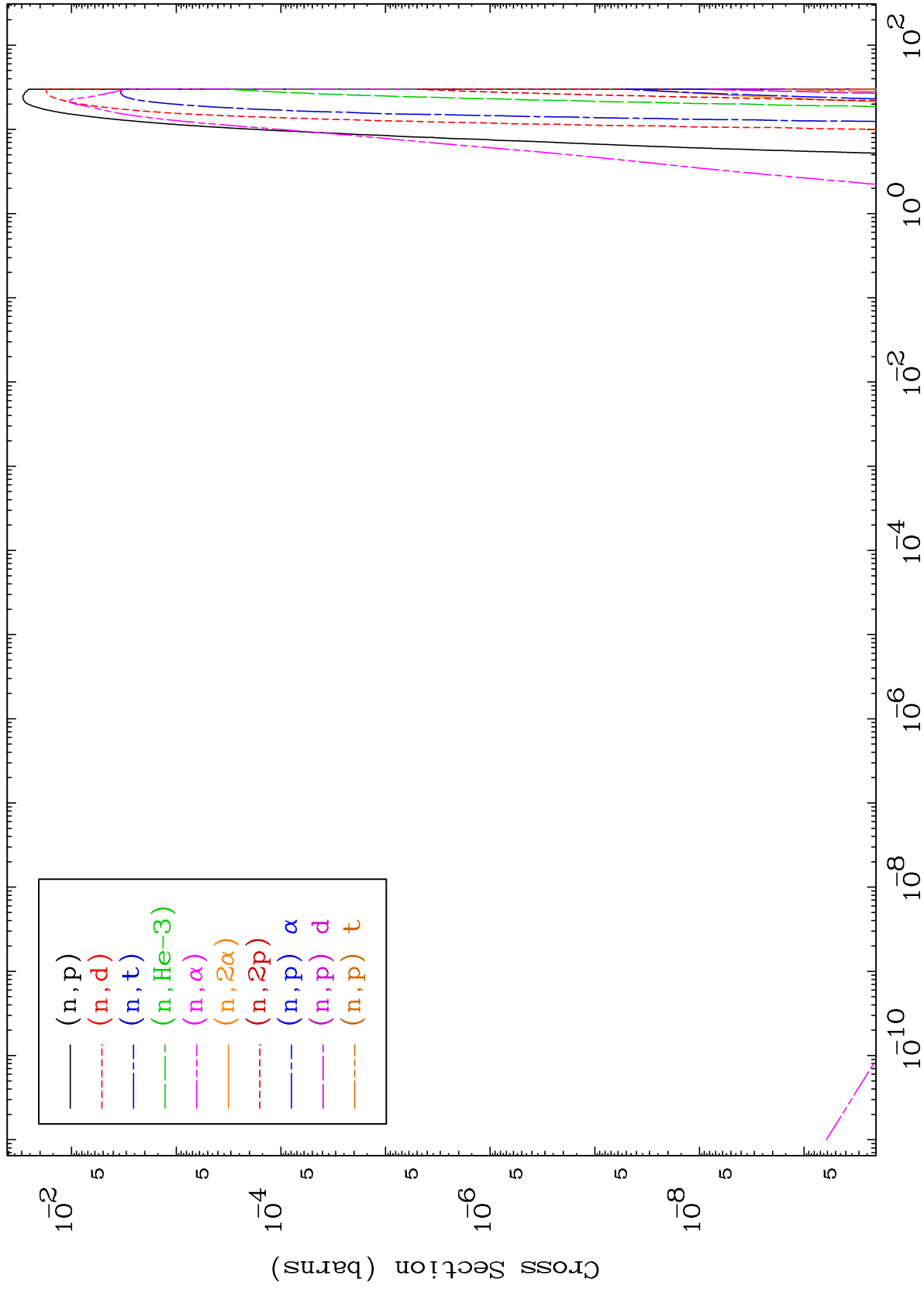
62-Sm-152

Incident Energy (MeV)

MAT 6249

Charged Particle
293 Kelvin Cross Sections

62-Sm-152



5

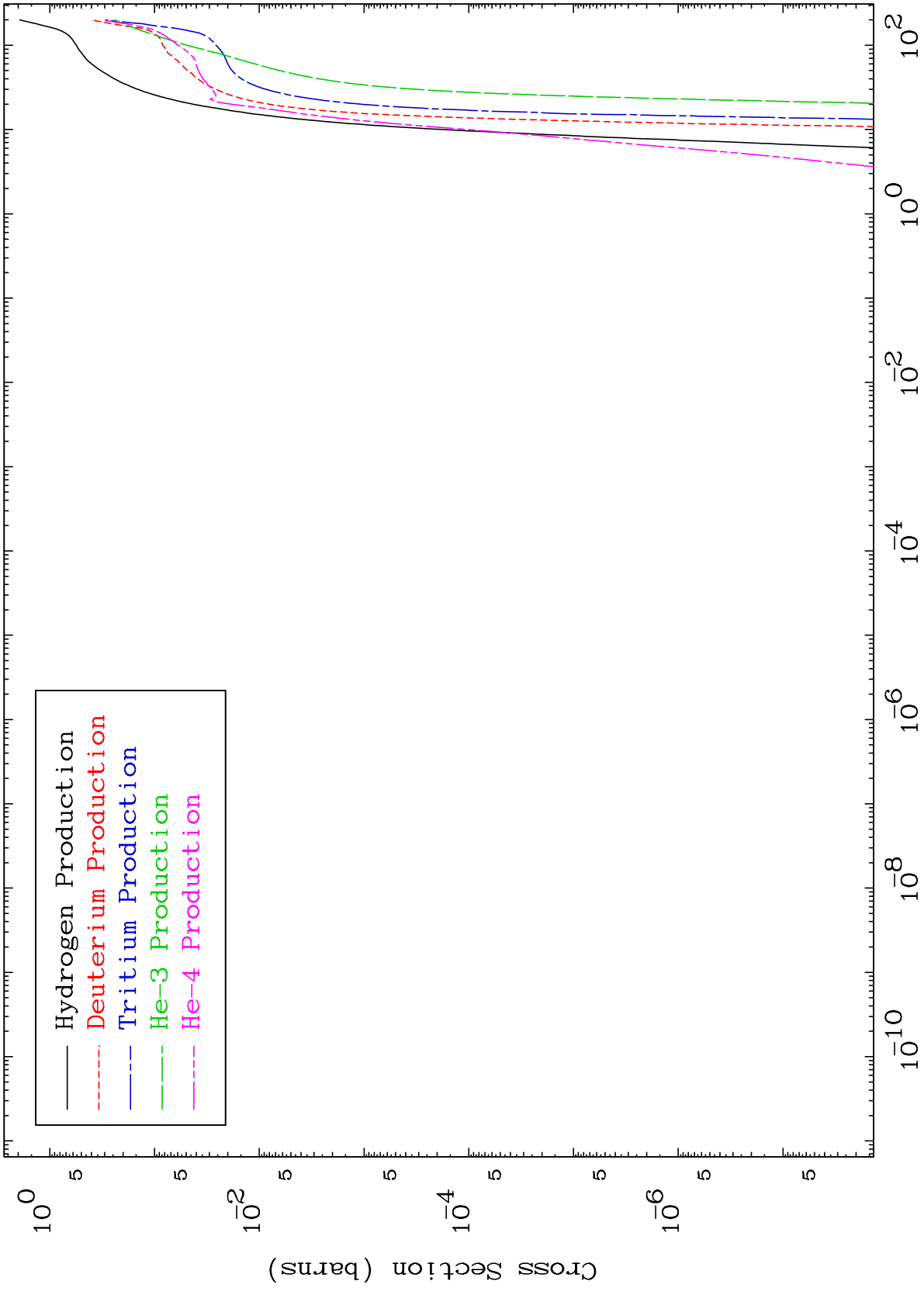
Incident Energy (MeV)

62-Sm-152

MAT 6249

Particle Production
293 Kelvin Cross Sections

62-Sm-152



6

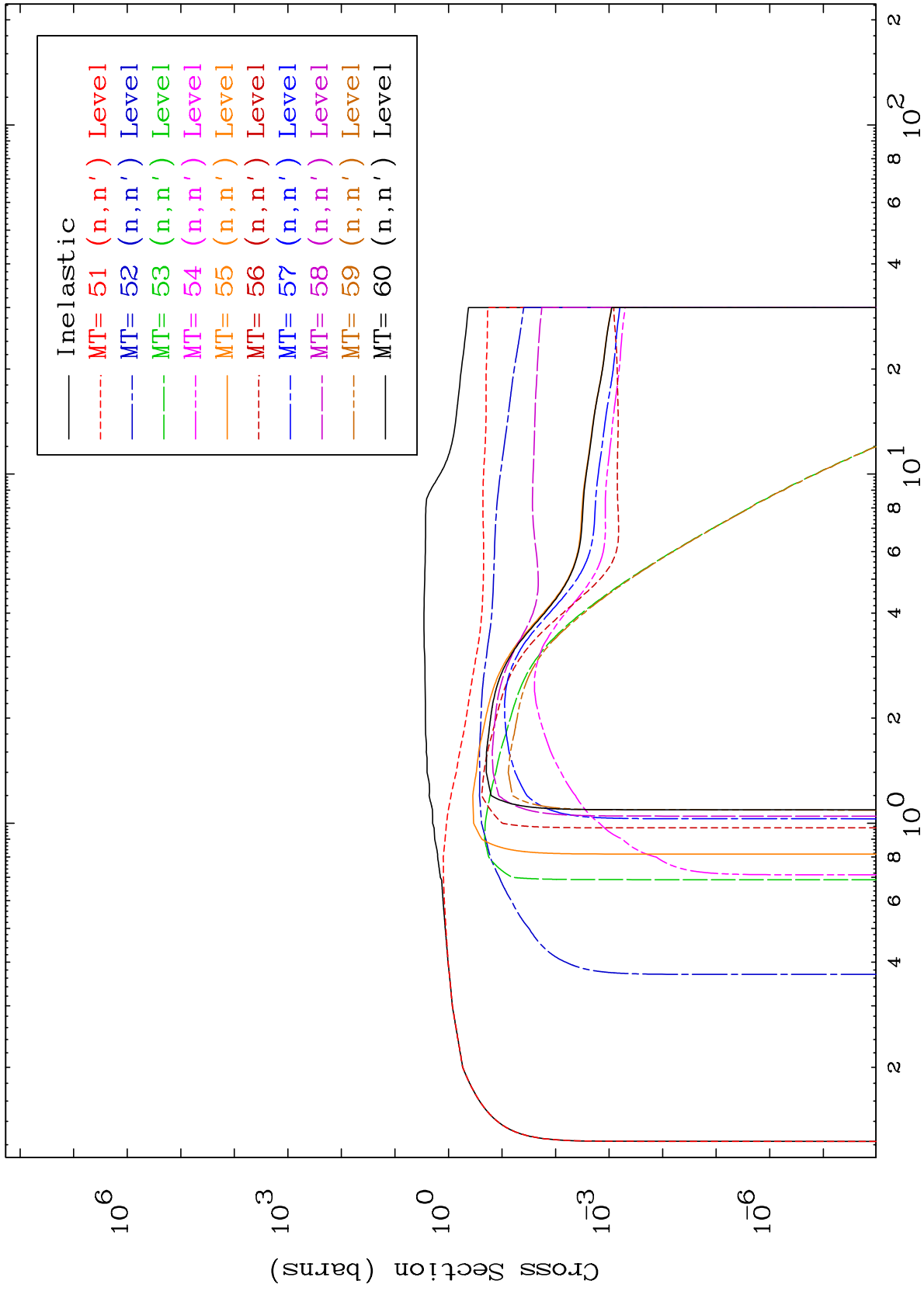
Incident Energy (MeV)

62-Sm-152

MAT 6249

(n,n') Level
293 Kelvin Cross Sections

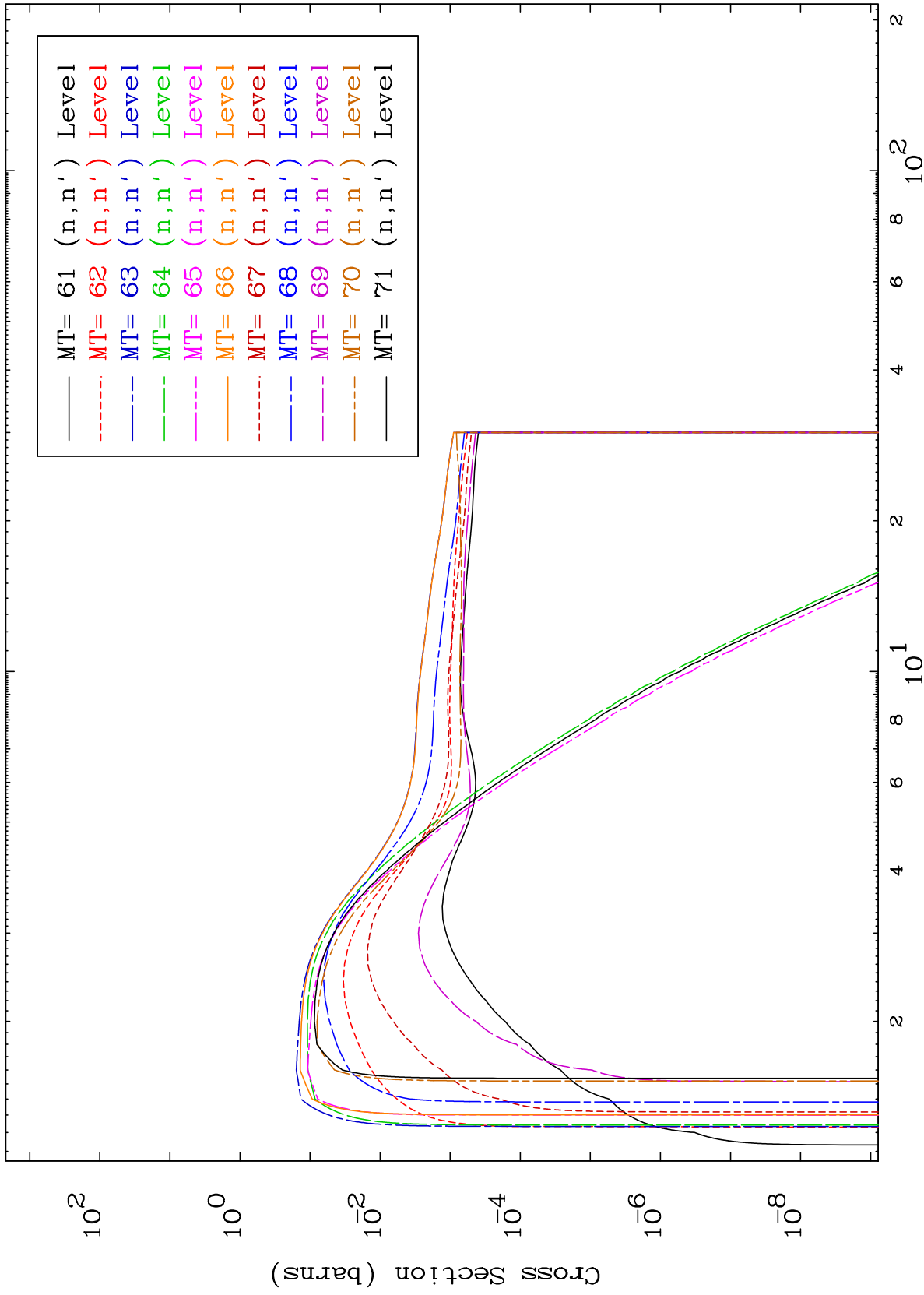
62-Sm-152



MAT 6249

(n,n') Level
293 Kelvin Cross Sections

62-Sm-152



8

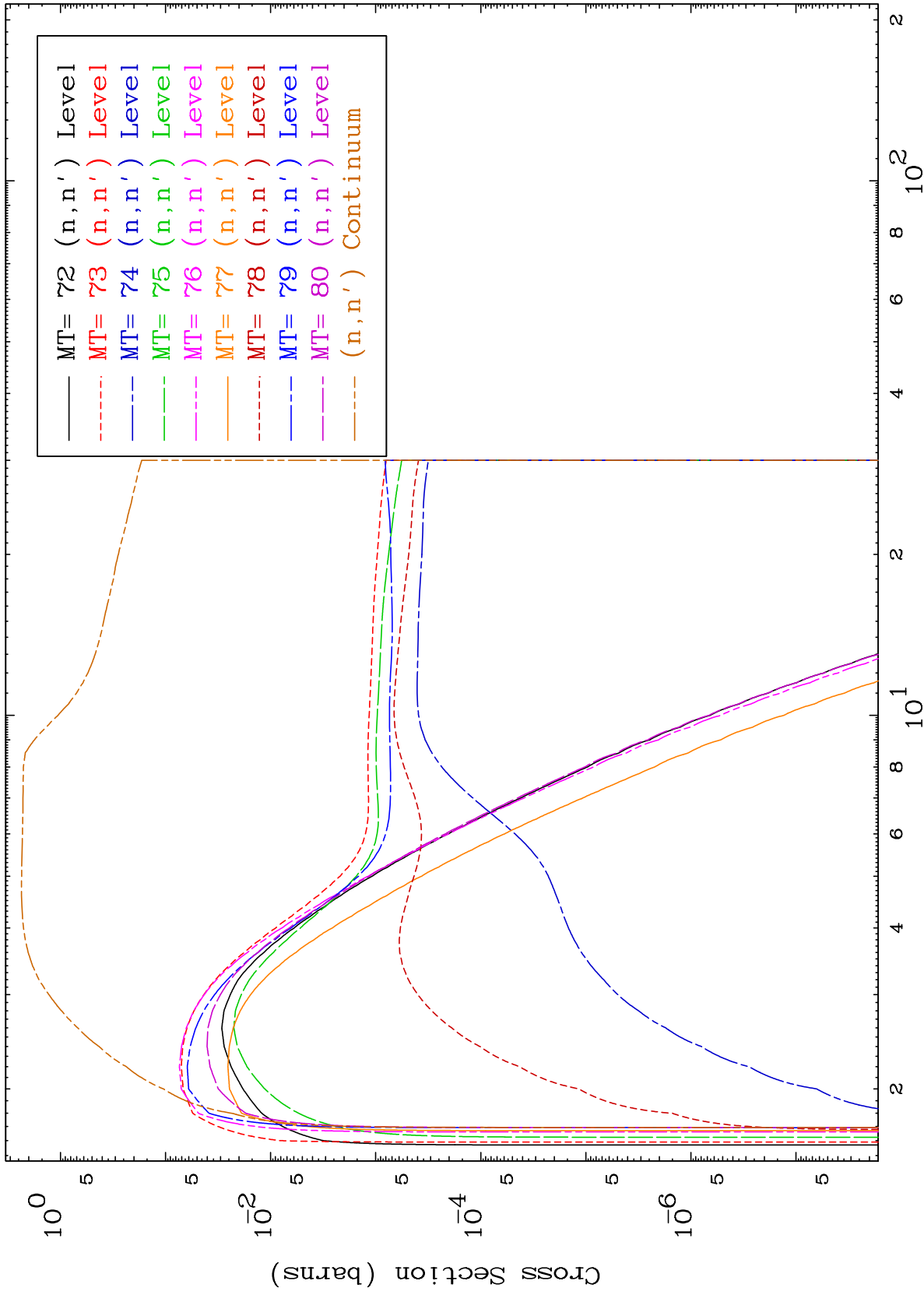
Incident Energy (MeV)

62-Sm-152

MAT 6249

(n,n') Level
293 Kelvin Cross Sections

62-Sm-152



9

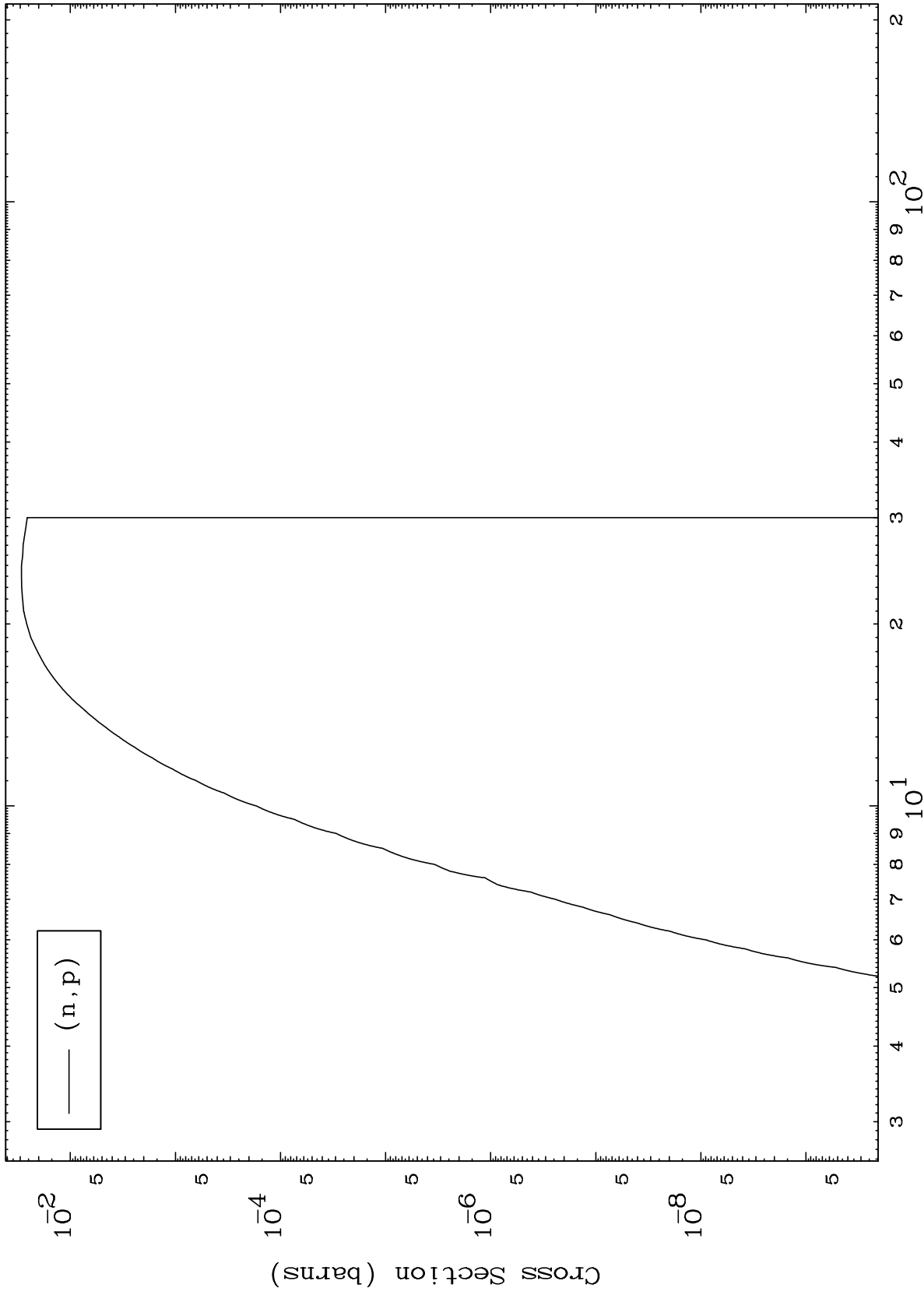
Incident Energy (MeV)

62-Sm-152

MAT 6249

(n,p) Levels
293 Kelvin Cross Sections

62-Sm-152



10

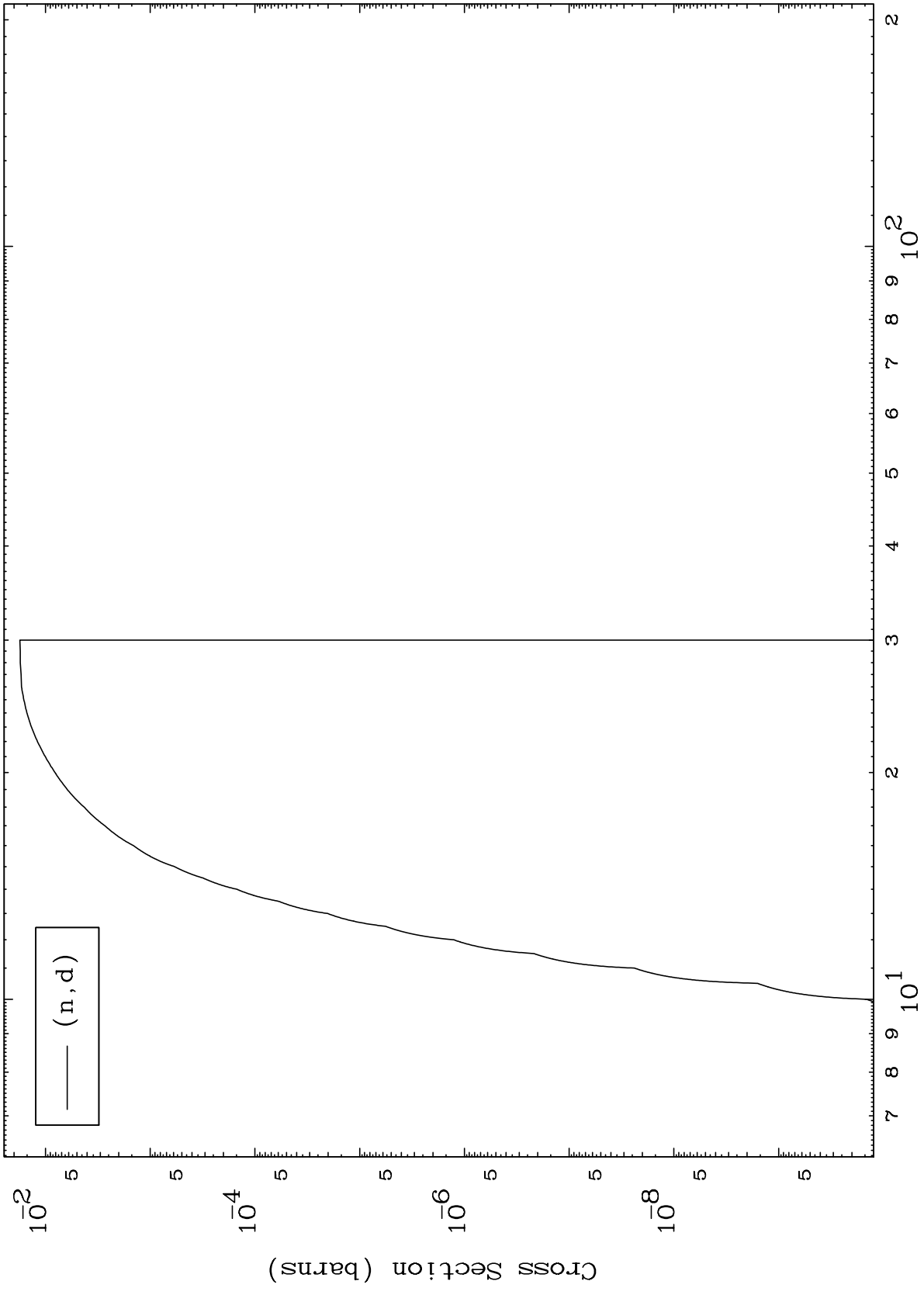
Incident Energy (MeV)

62-Sm-152

MAT 6249

(n,d) Levels
293 Kelvin Cross Sections

62-Sm-152



11

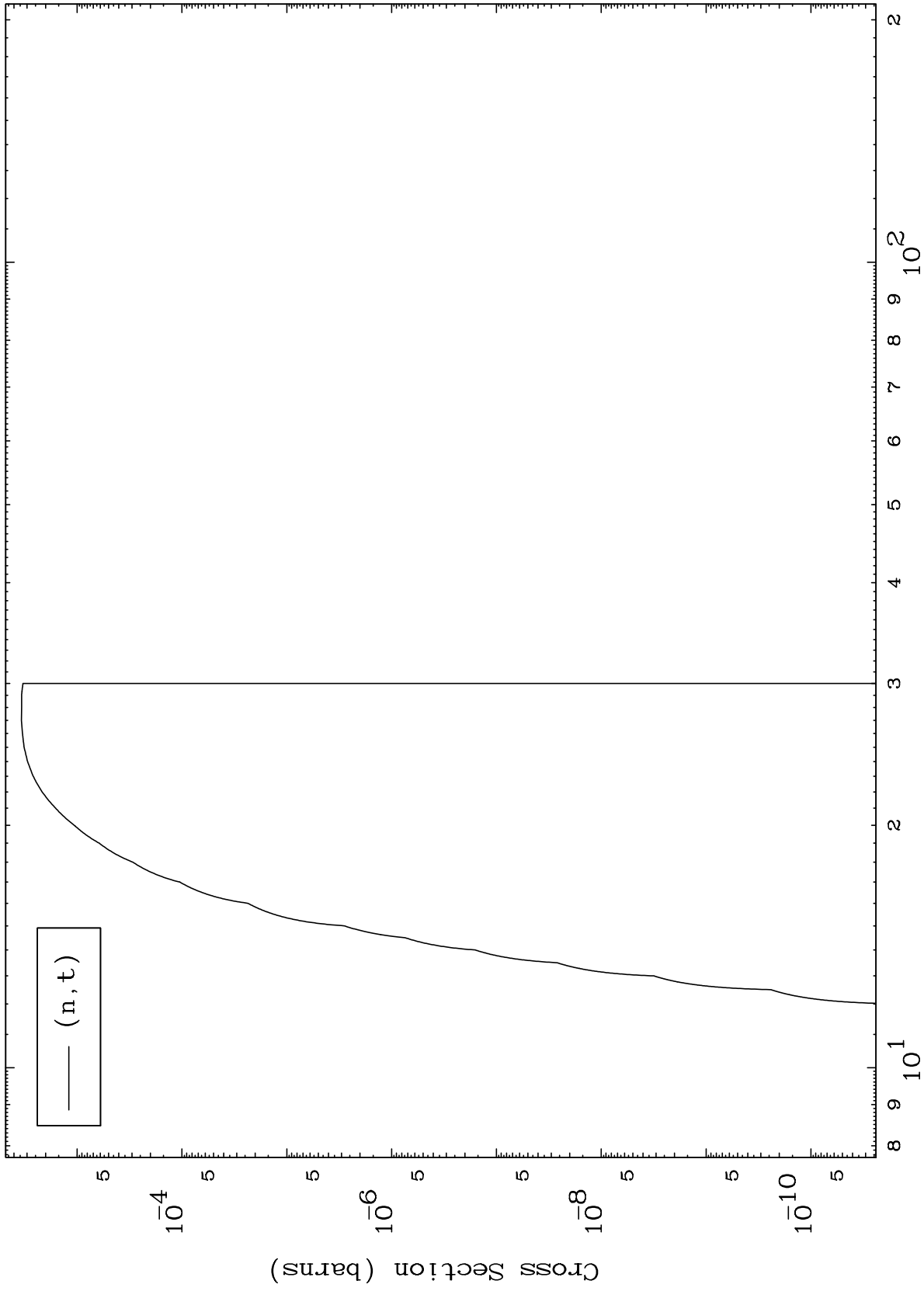
Incident Energy (MeV)

62-Sm-152

MAT 6249

(n,t) Levels
293 Kelvin Cross Sections

62-Sm-152



12

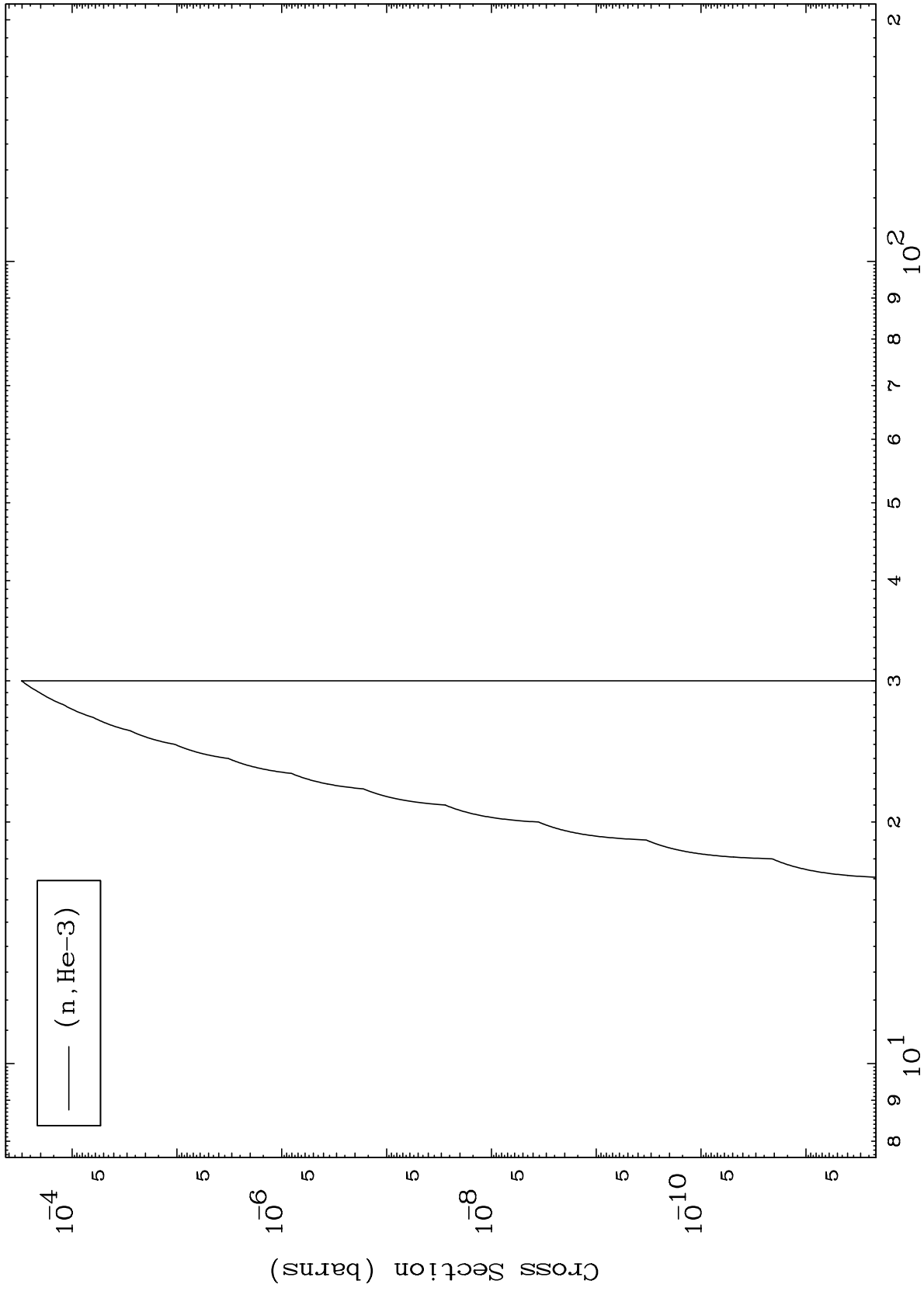
Incident Energy (MeV)

62-Sm-152

MAT 6249

(n,He3) Levels
293 Kelvin Cross Sections

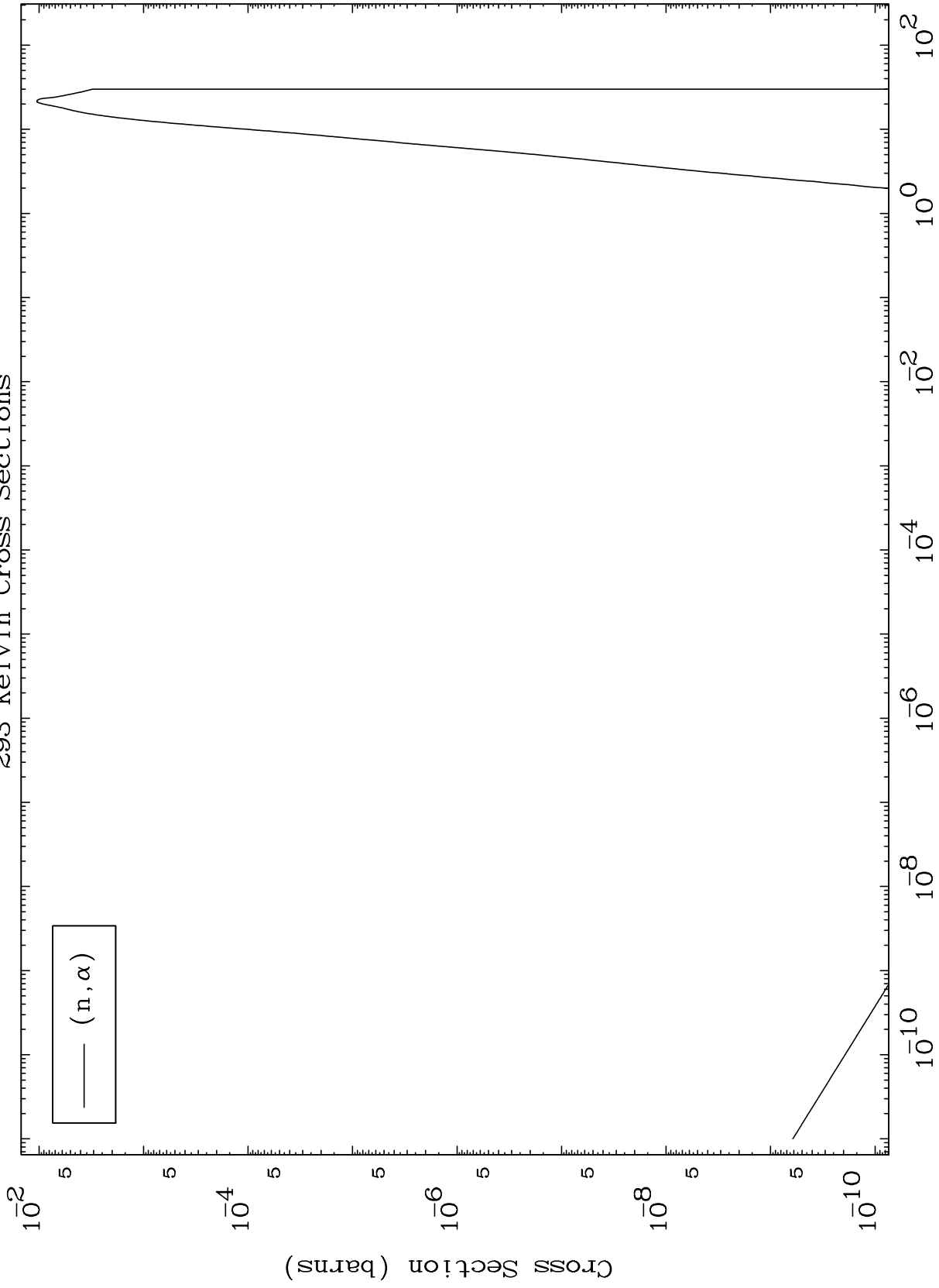
62-Sm-152

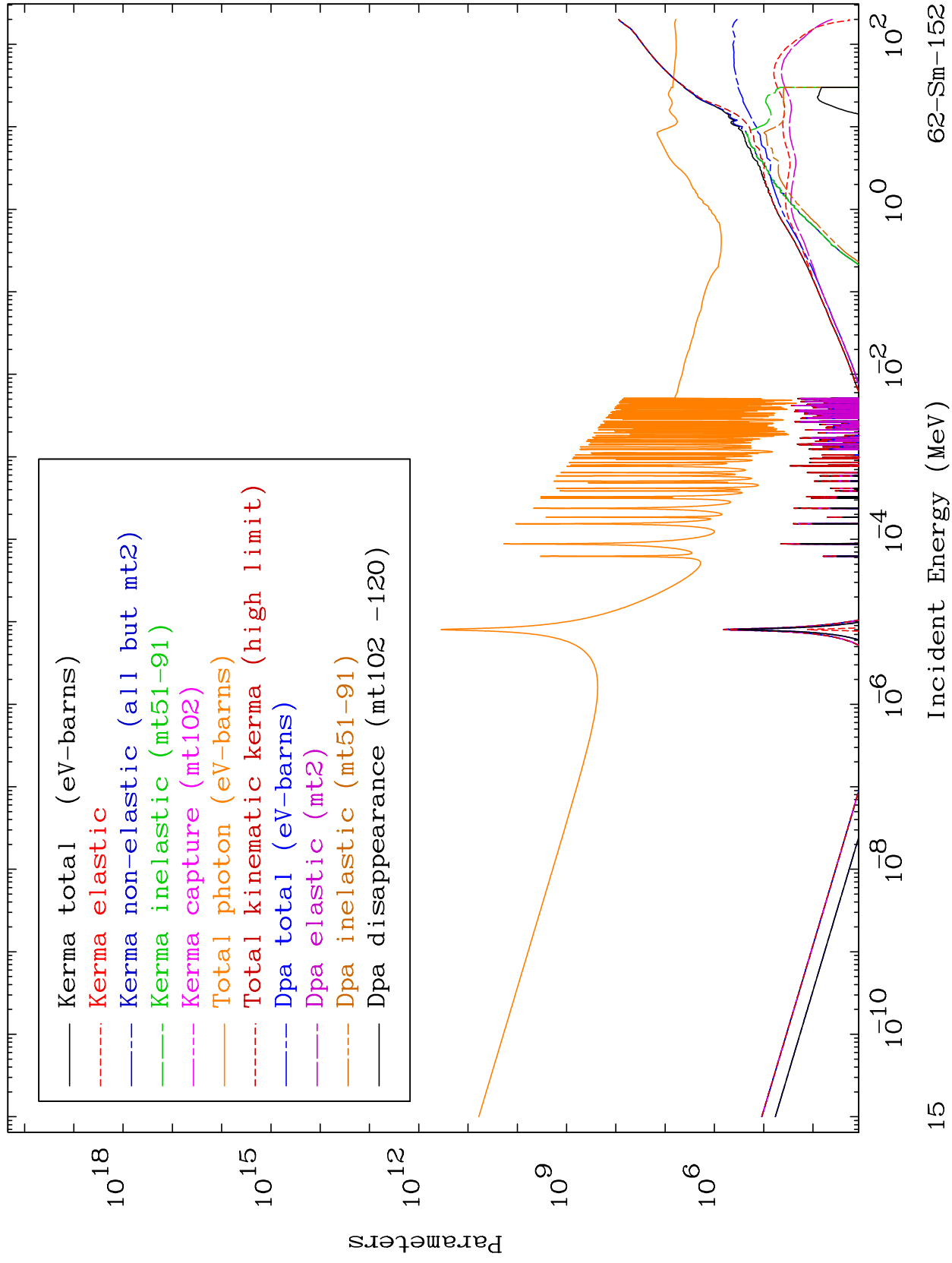


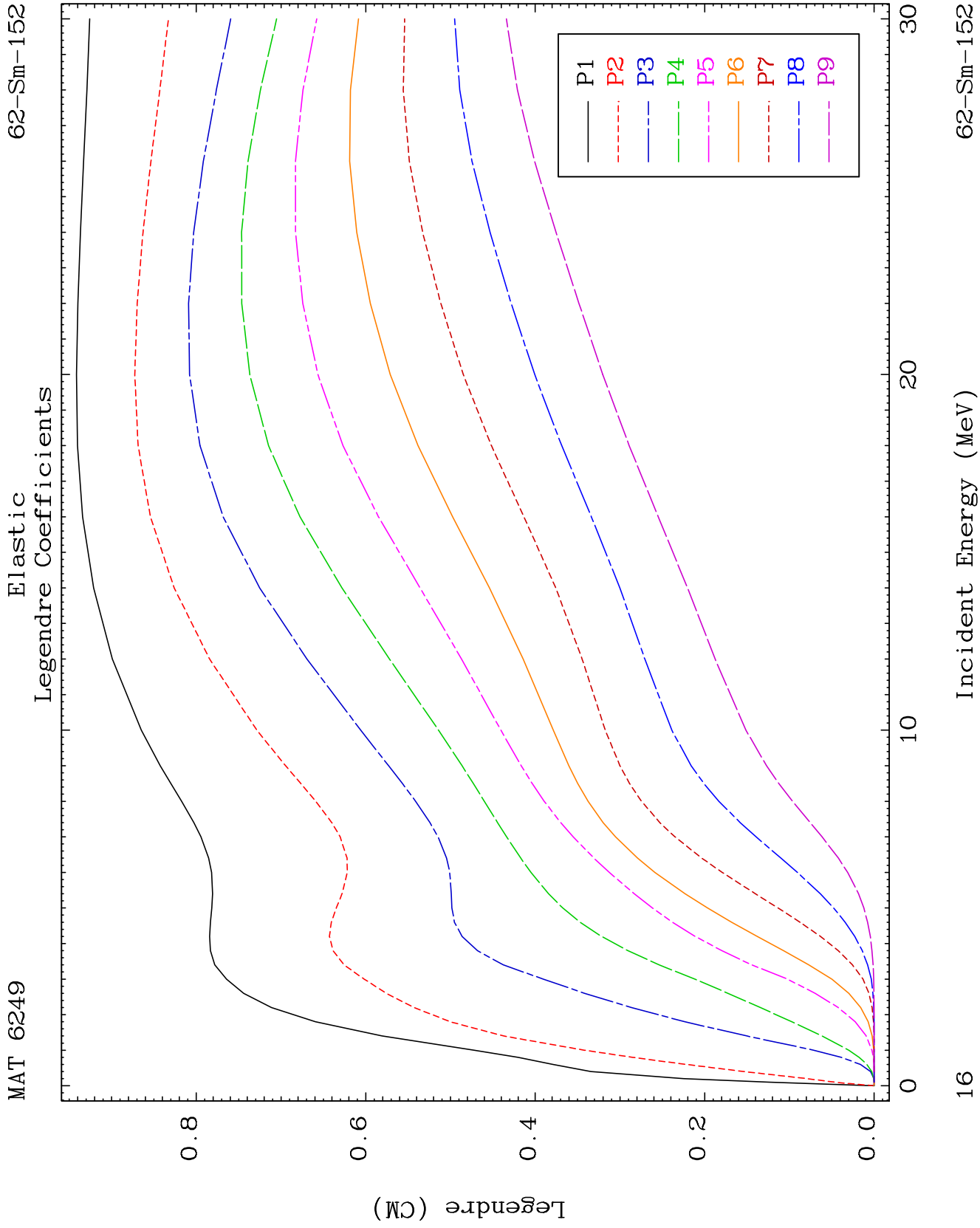
MAT 6249

(n,α) Levels
293 Kelvin Cross Sections

62-Sm-152



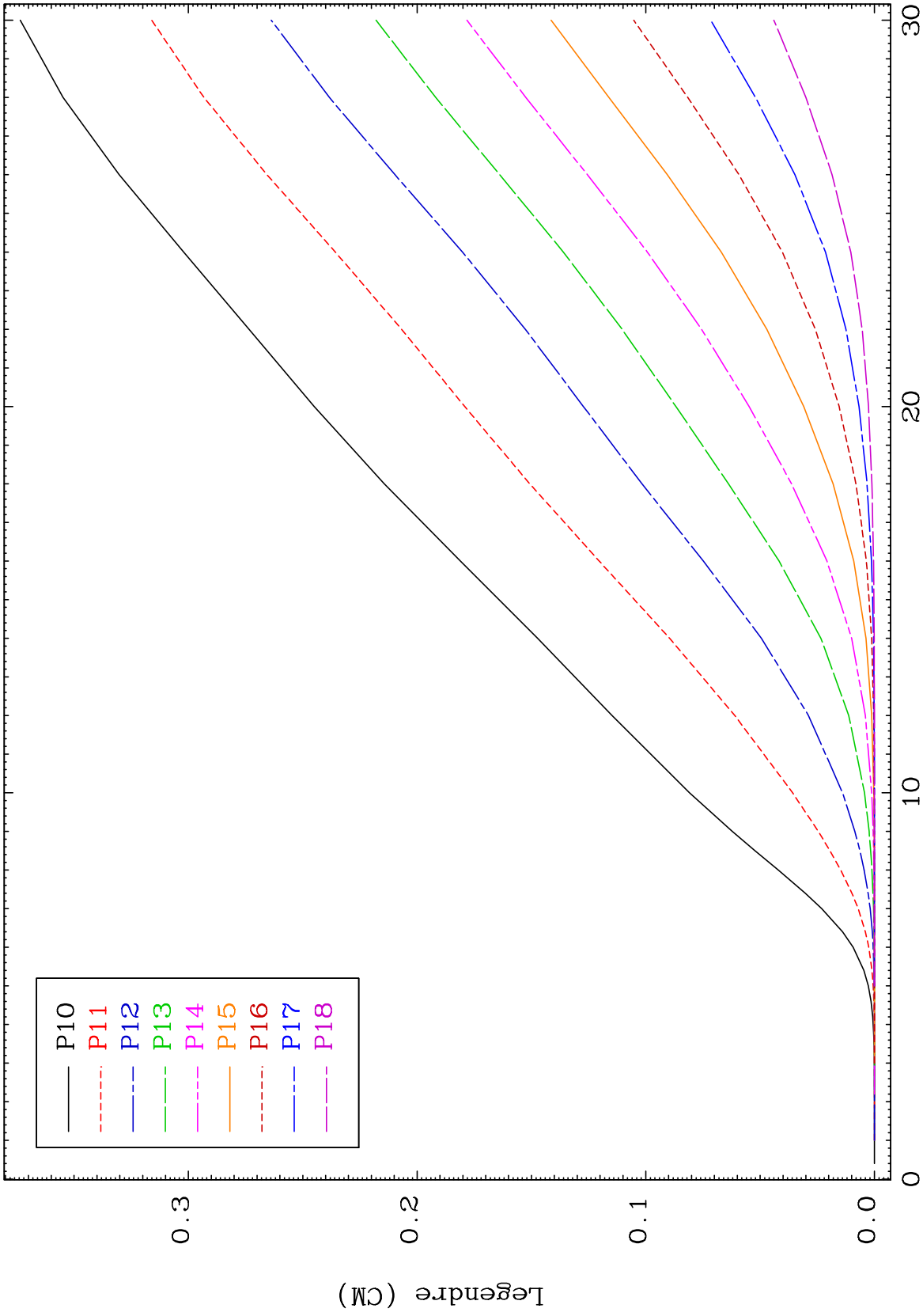




MAT 6249

Elastic Legendre Coefficients

62-Sm-152



17

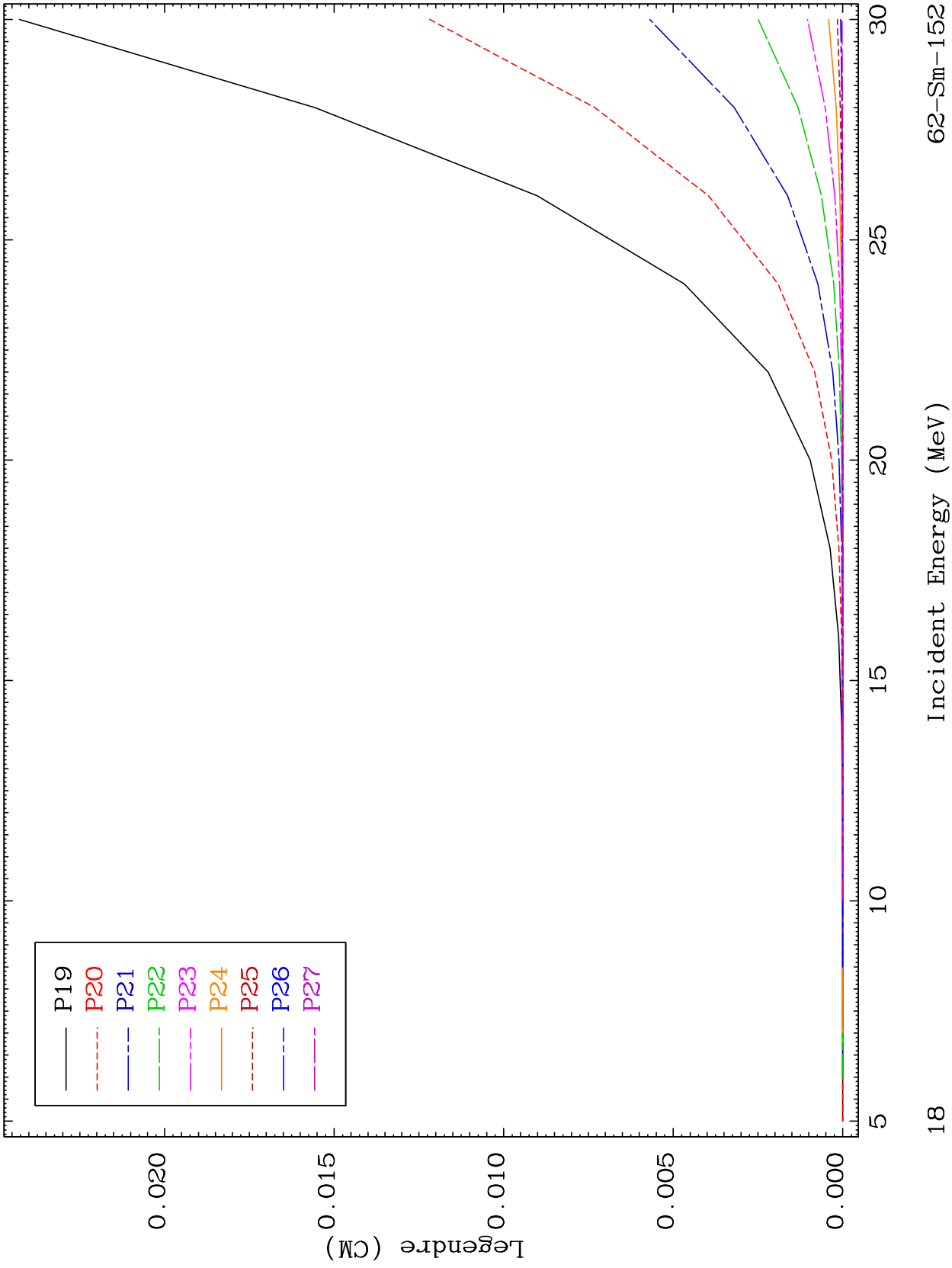
Incident Energy (MeV)

62-Sm-152

MAT 6249

Elastic Legendre Coefficients

$^{62}\text{Sm-152}$



18

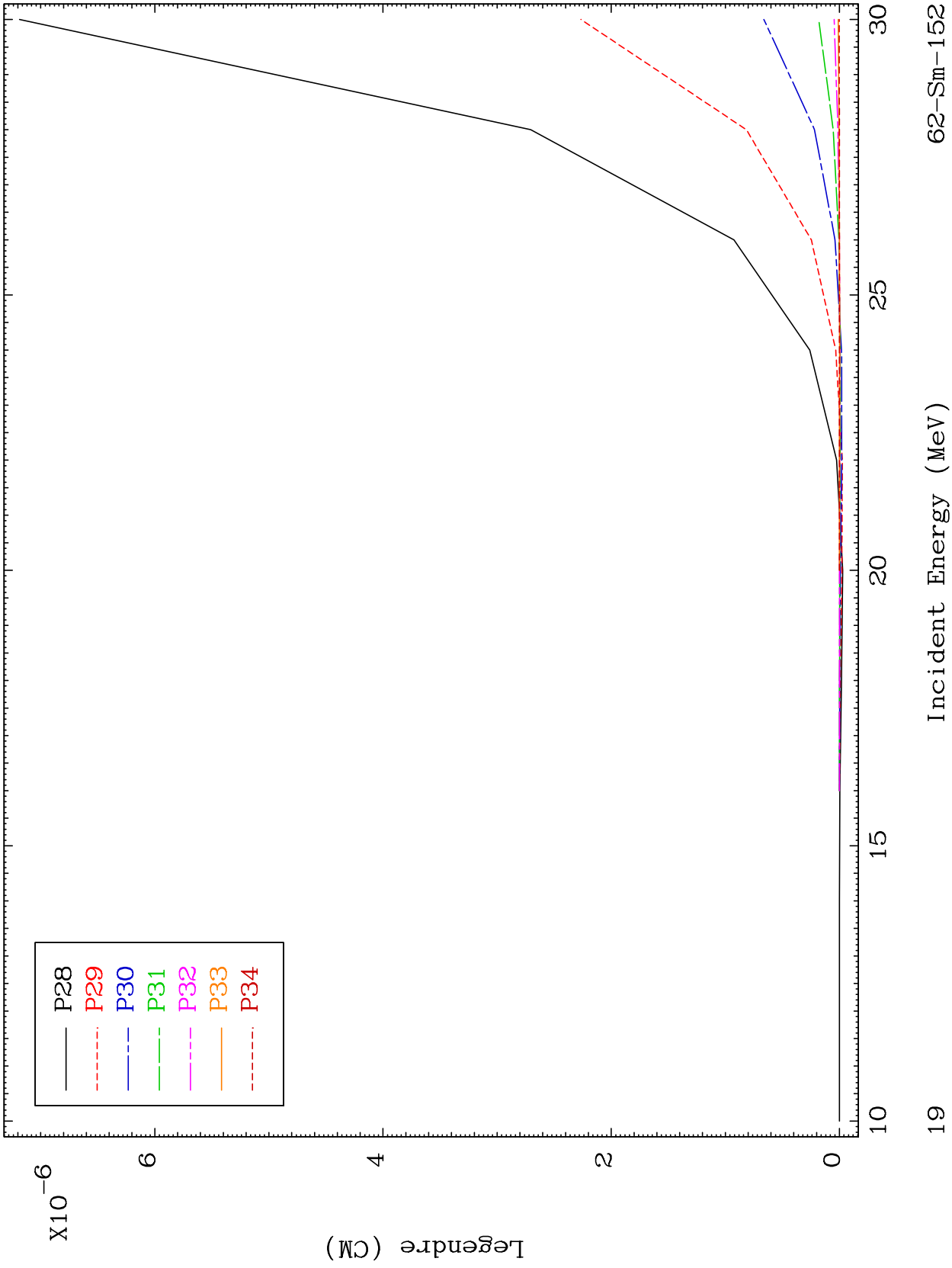
Incident Energy (MeV)

$^{62}\text{Sm-152}$

MAT 6249

Elastic Legendre Coefficients

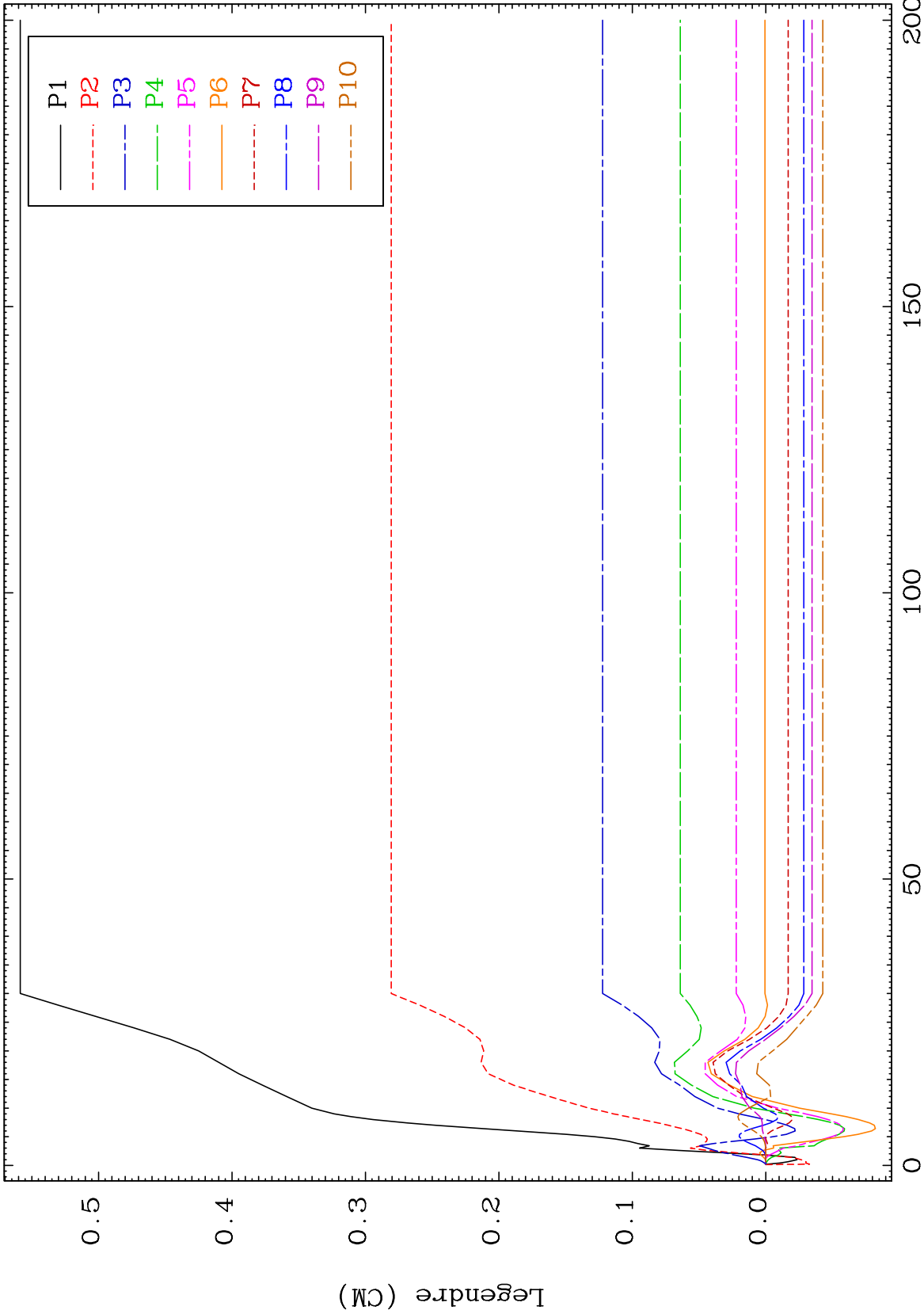
62-Sm-152



MAT 6249

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

62-Sm-152



62-Sm-152

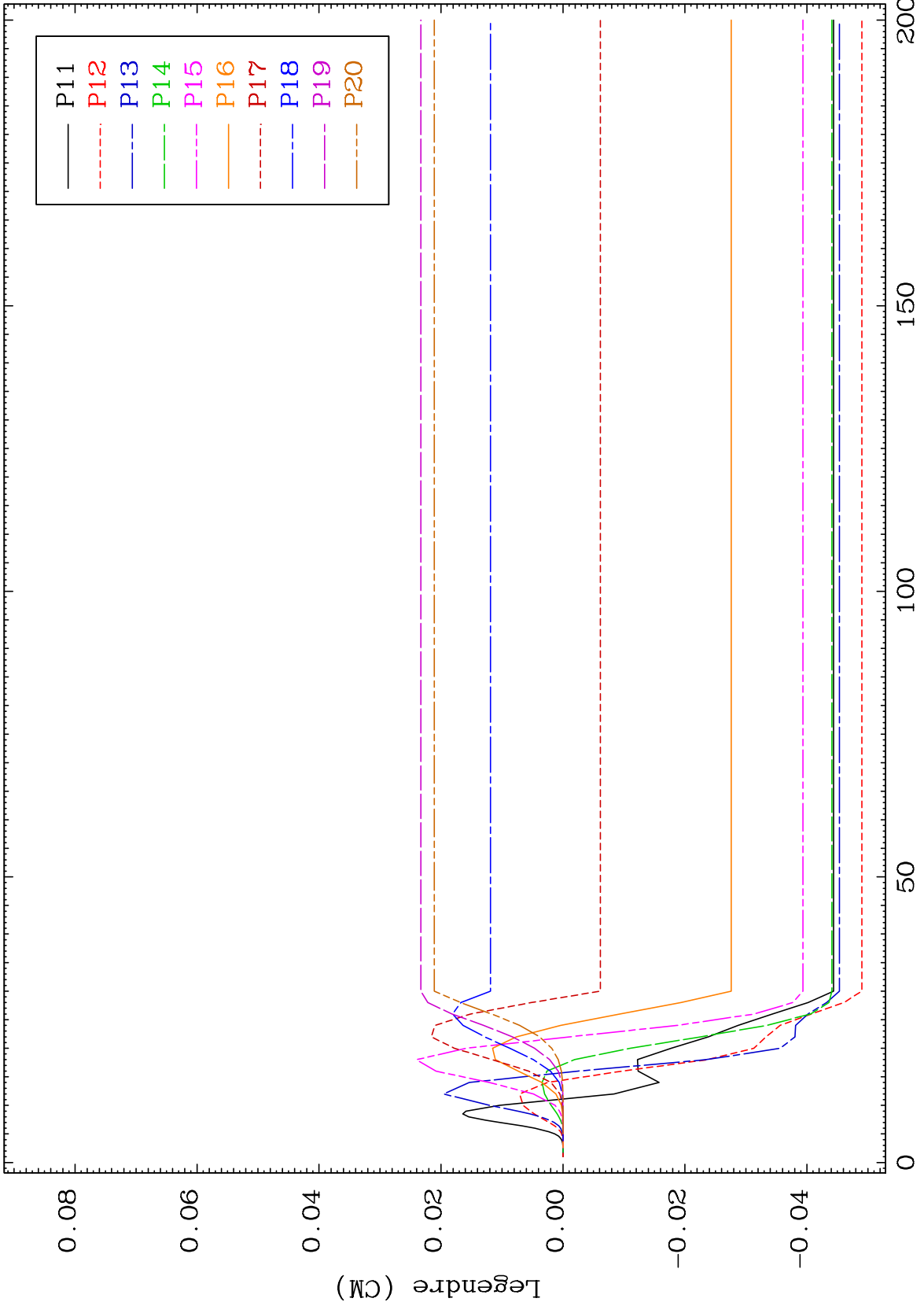
Incident Energy (MeV)

20

MAT 6249

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

62-Sm-152



21

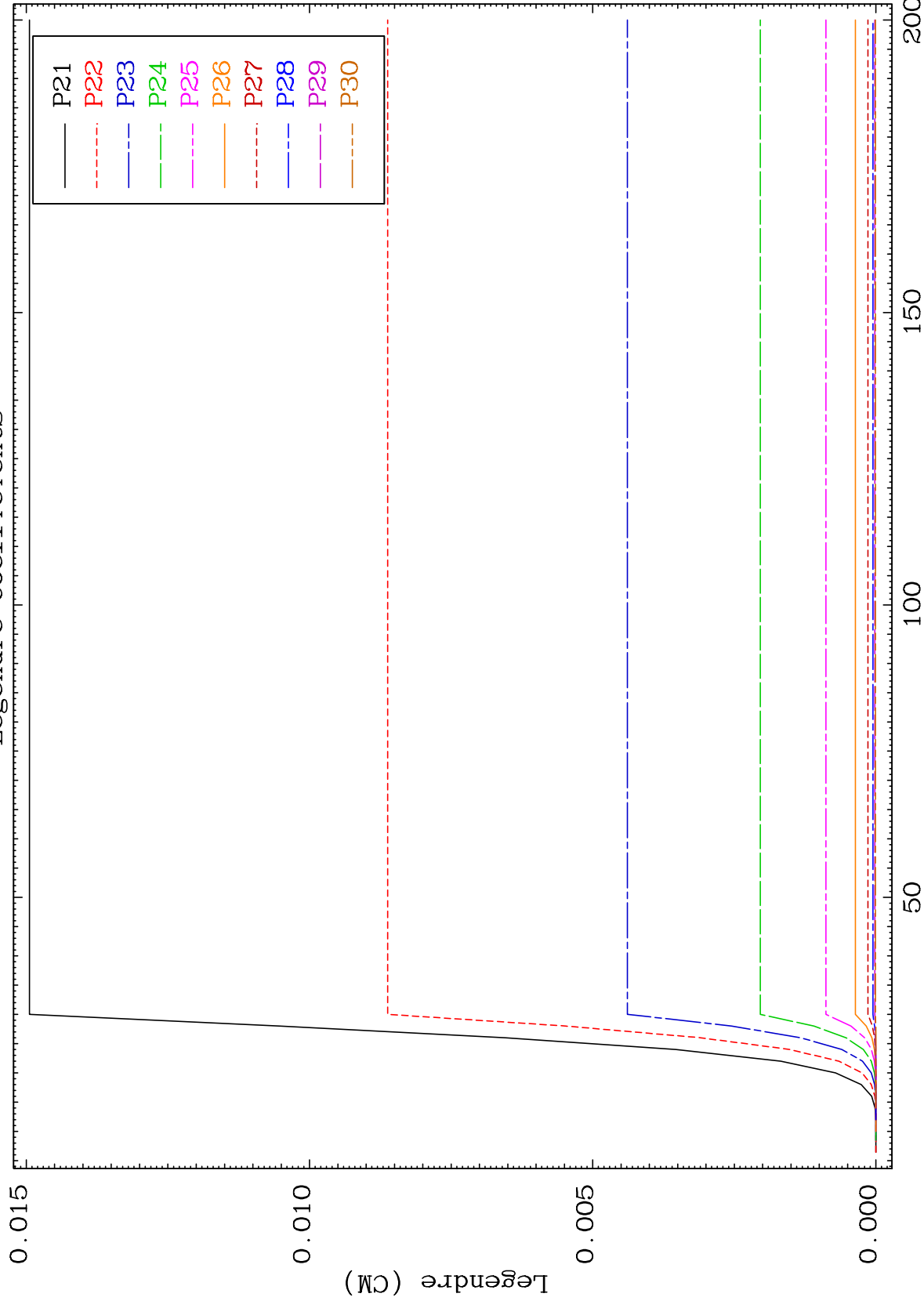
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



62-Sm-152

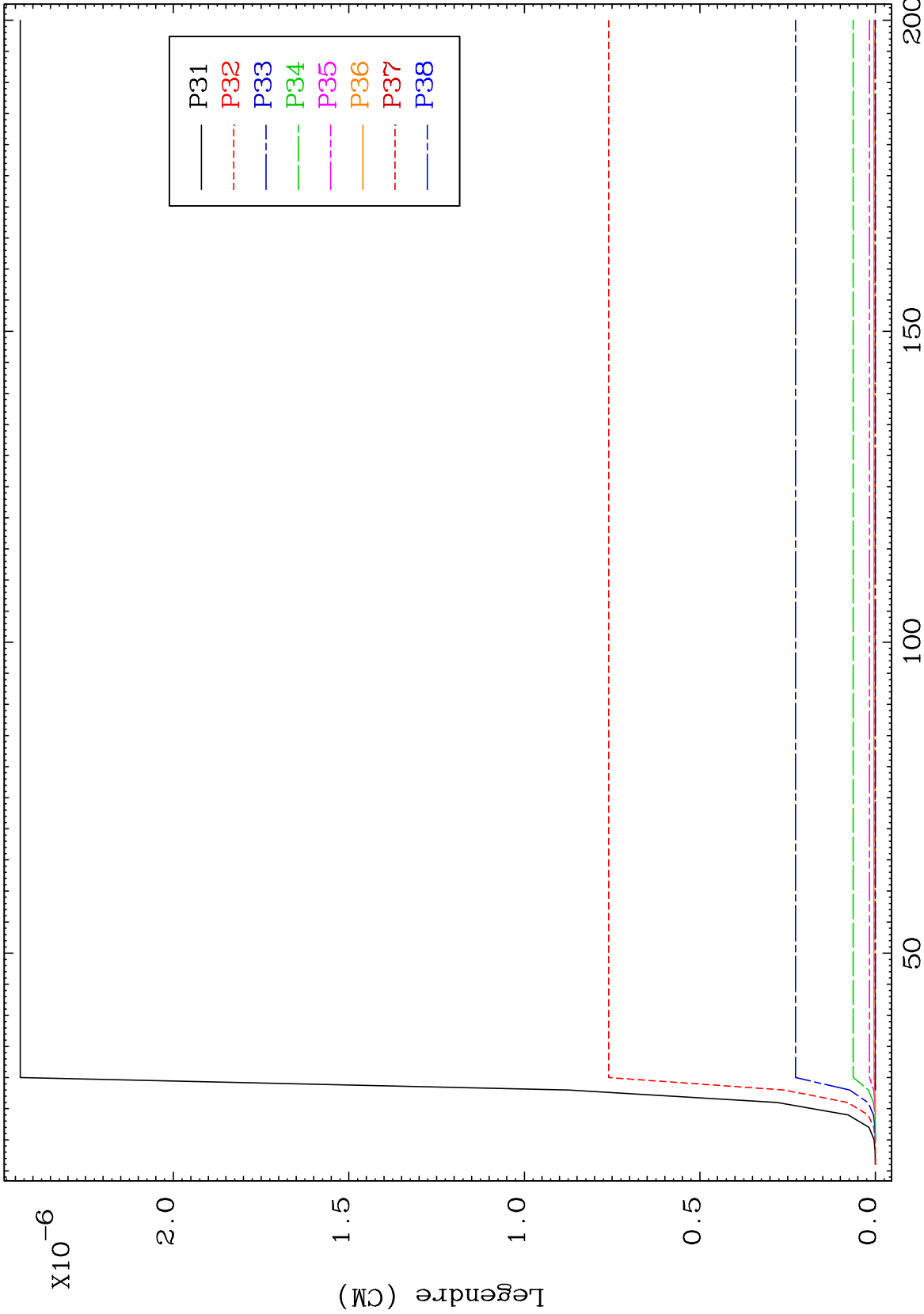
Incident Energy (MeV)

22

MAT 6249

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

62-Sm-152



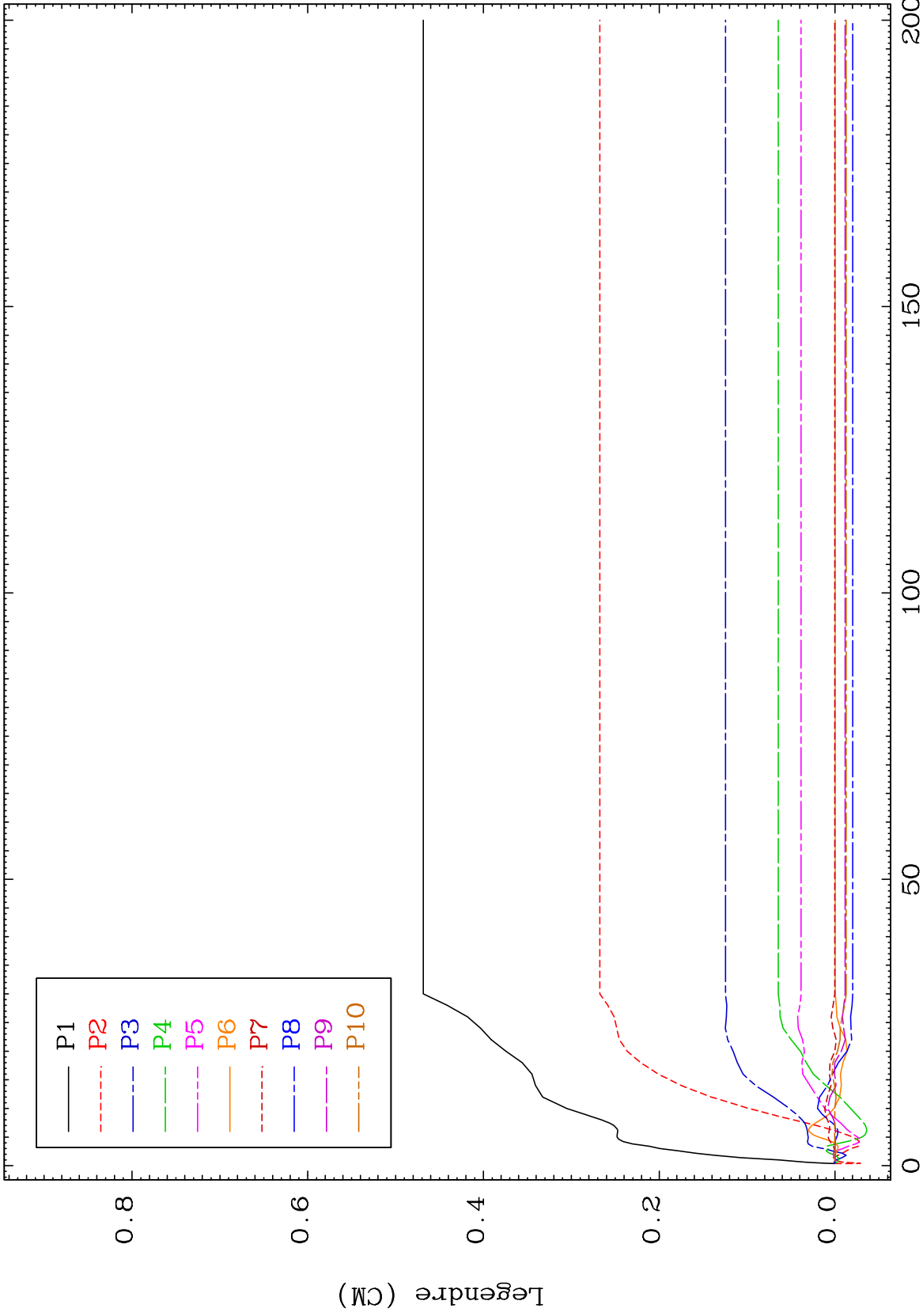
23

62-Sm-152

MAT 6249

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

62-Sm-152



24

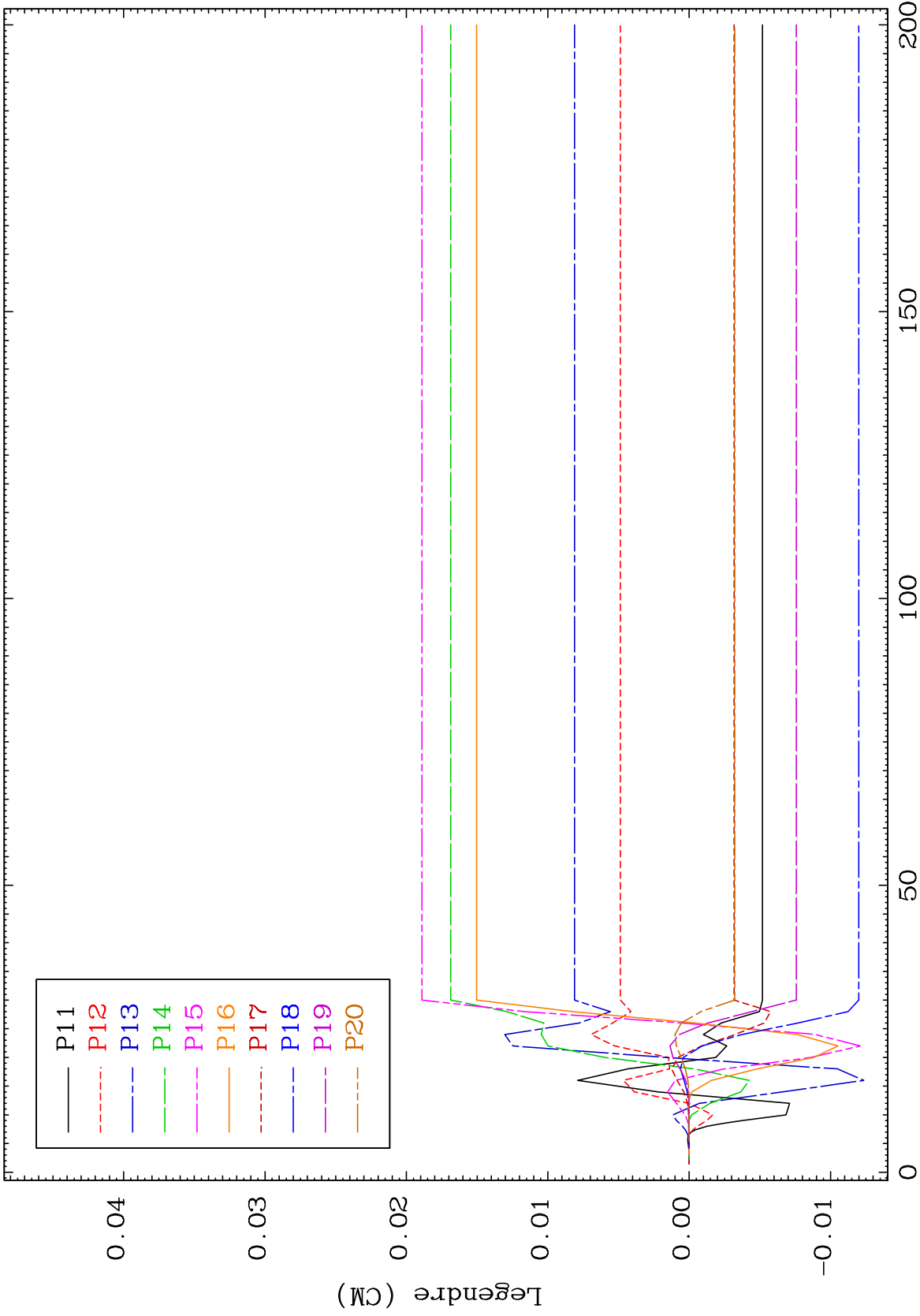
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



25

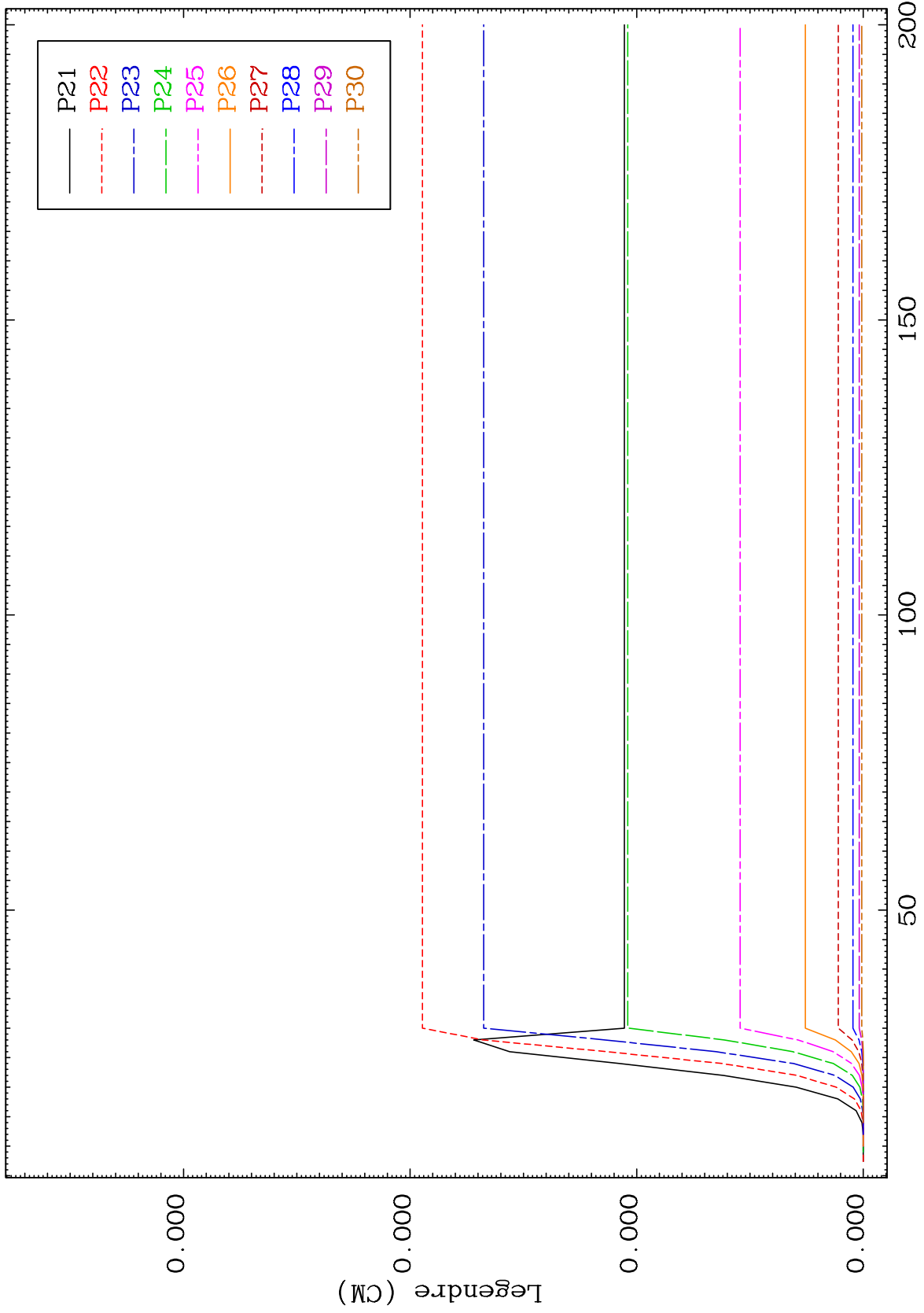
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



26

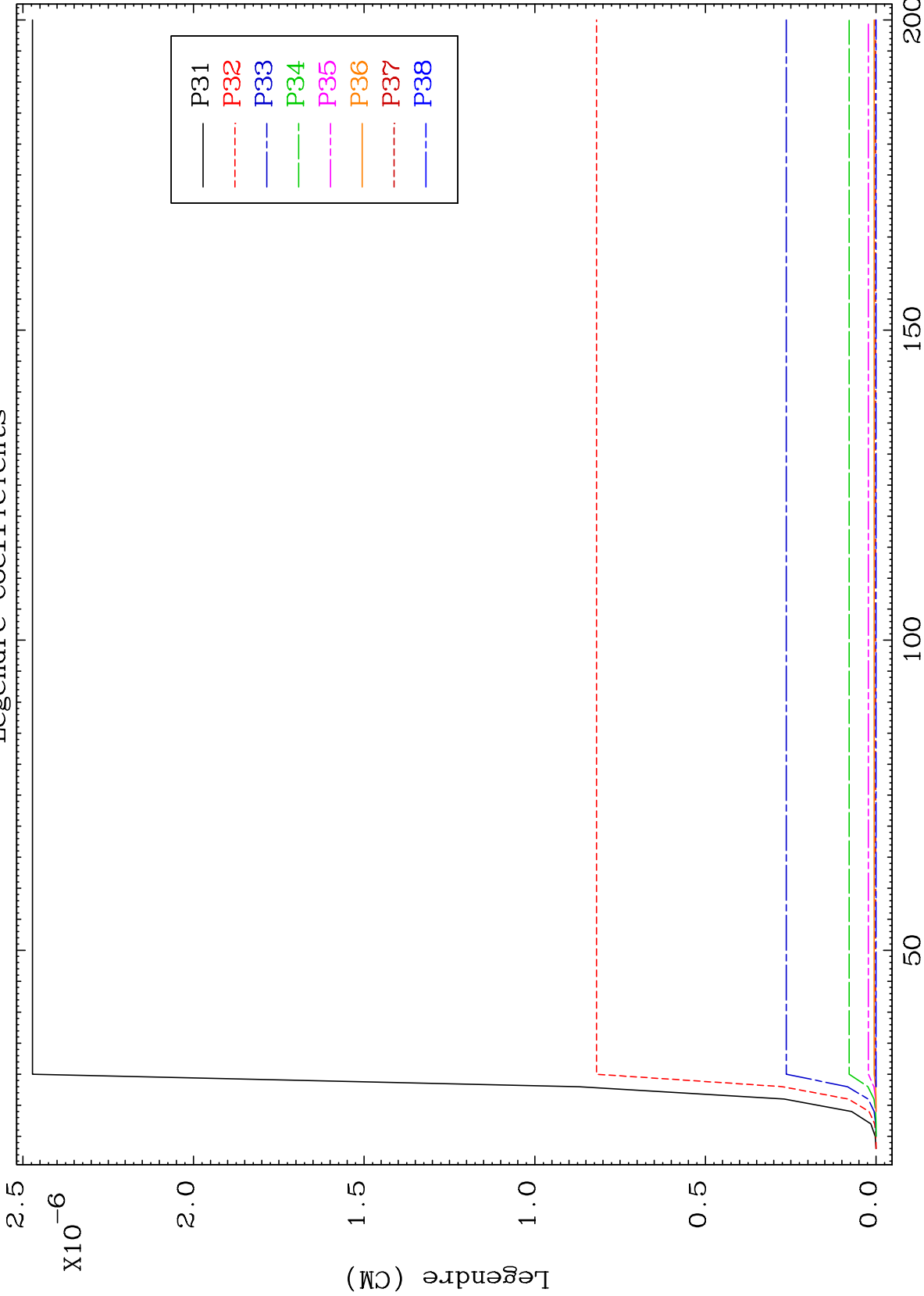
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



27

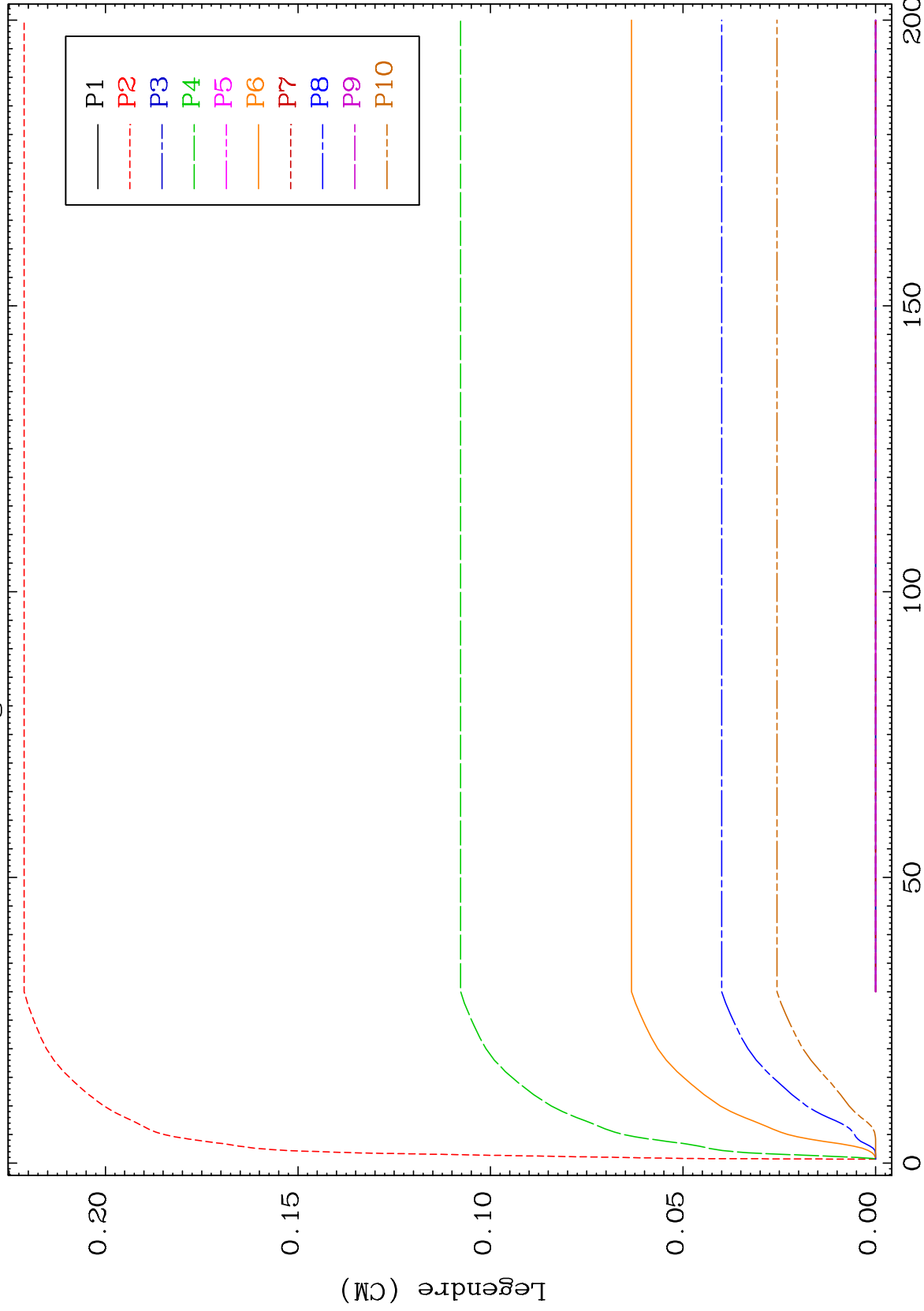
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



28

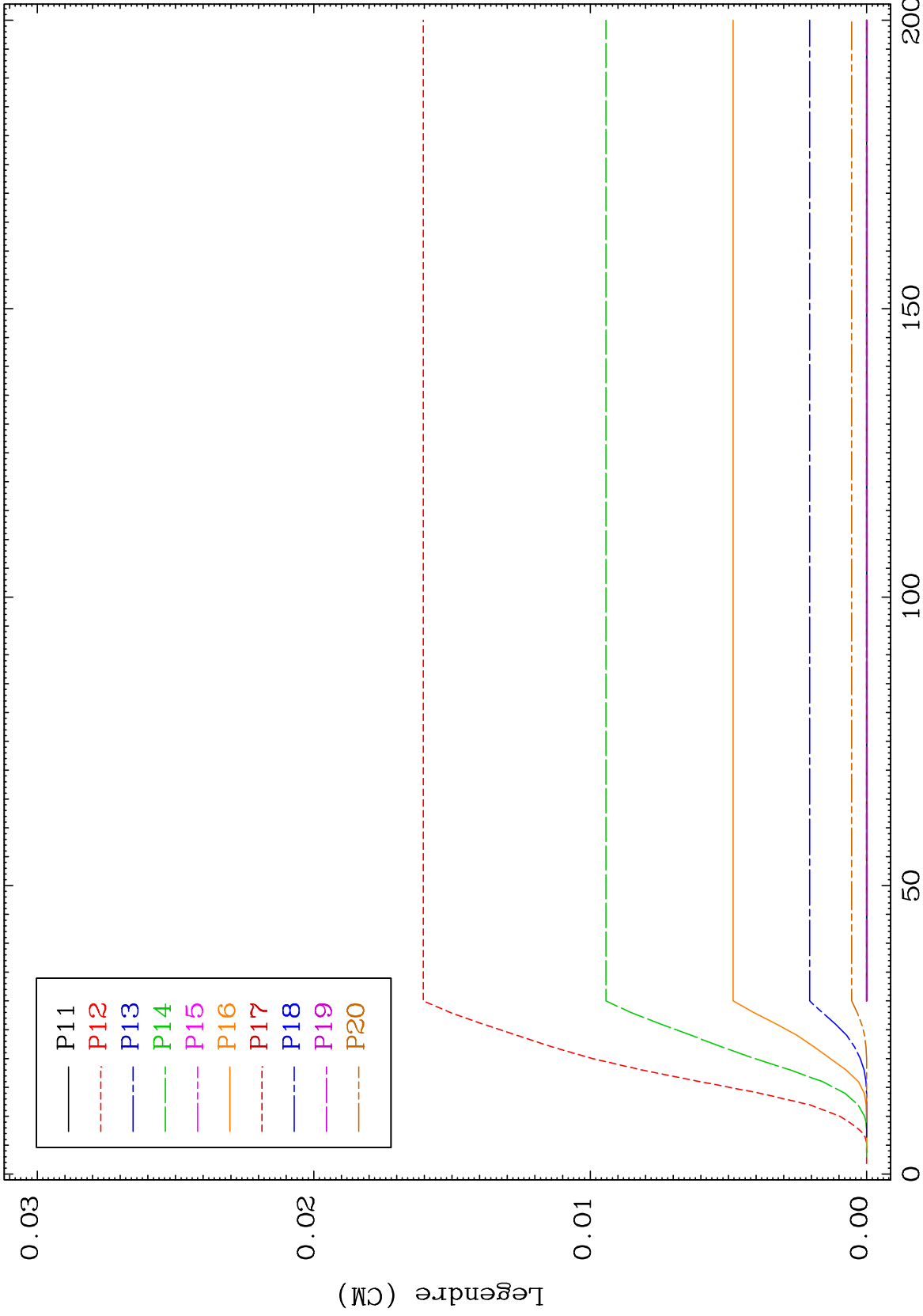
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152

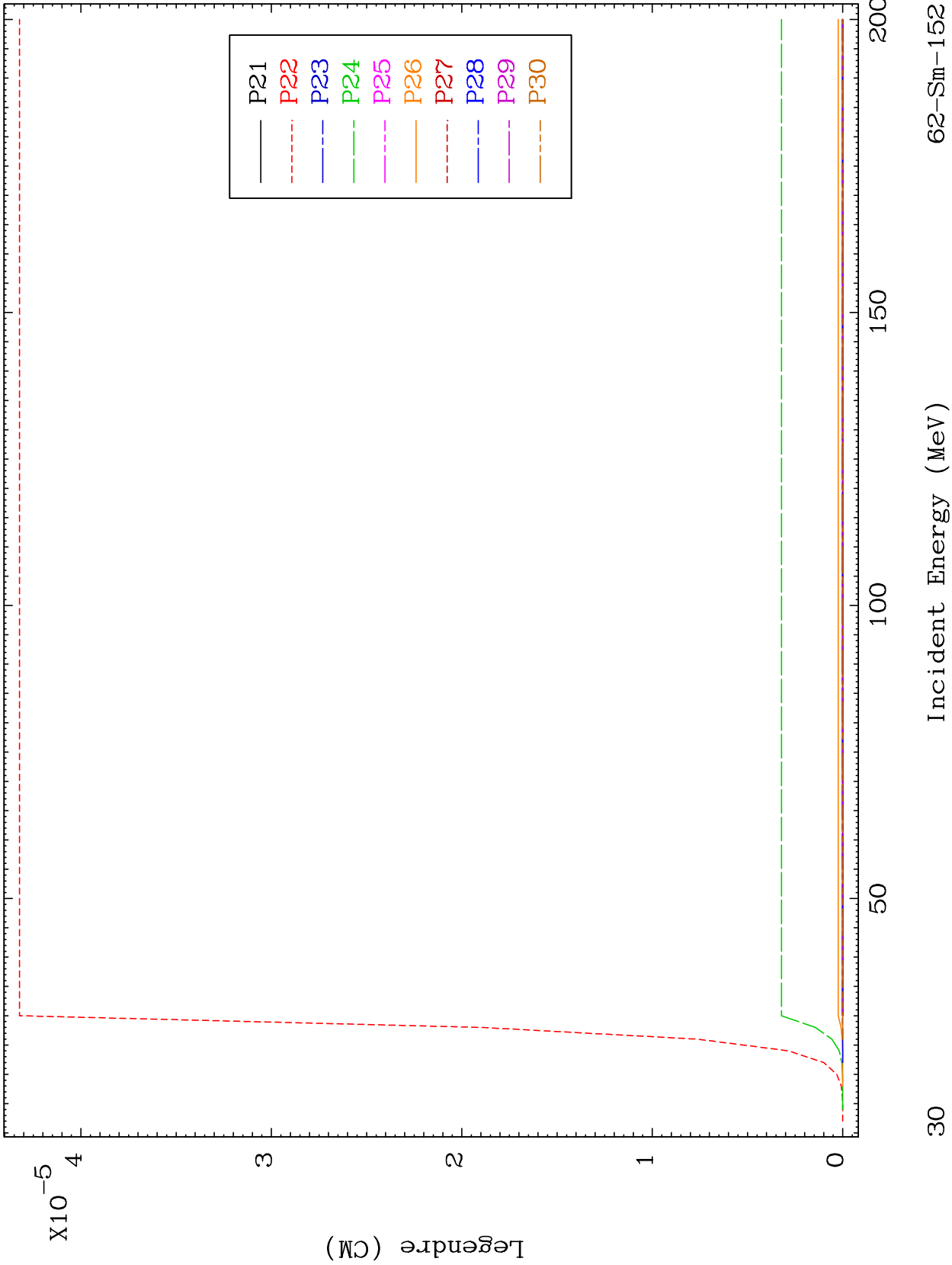


29

Incident Energy (MeV)

62-Sm-152

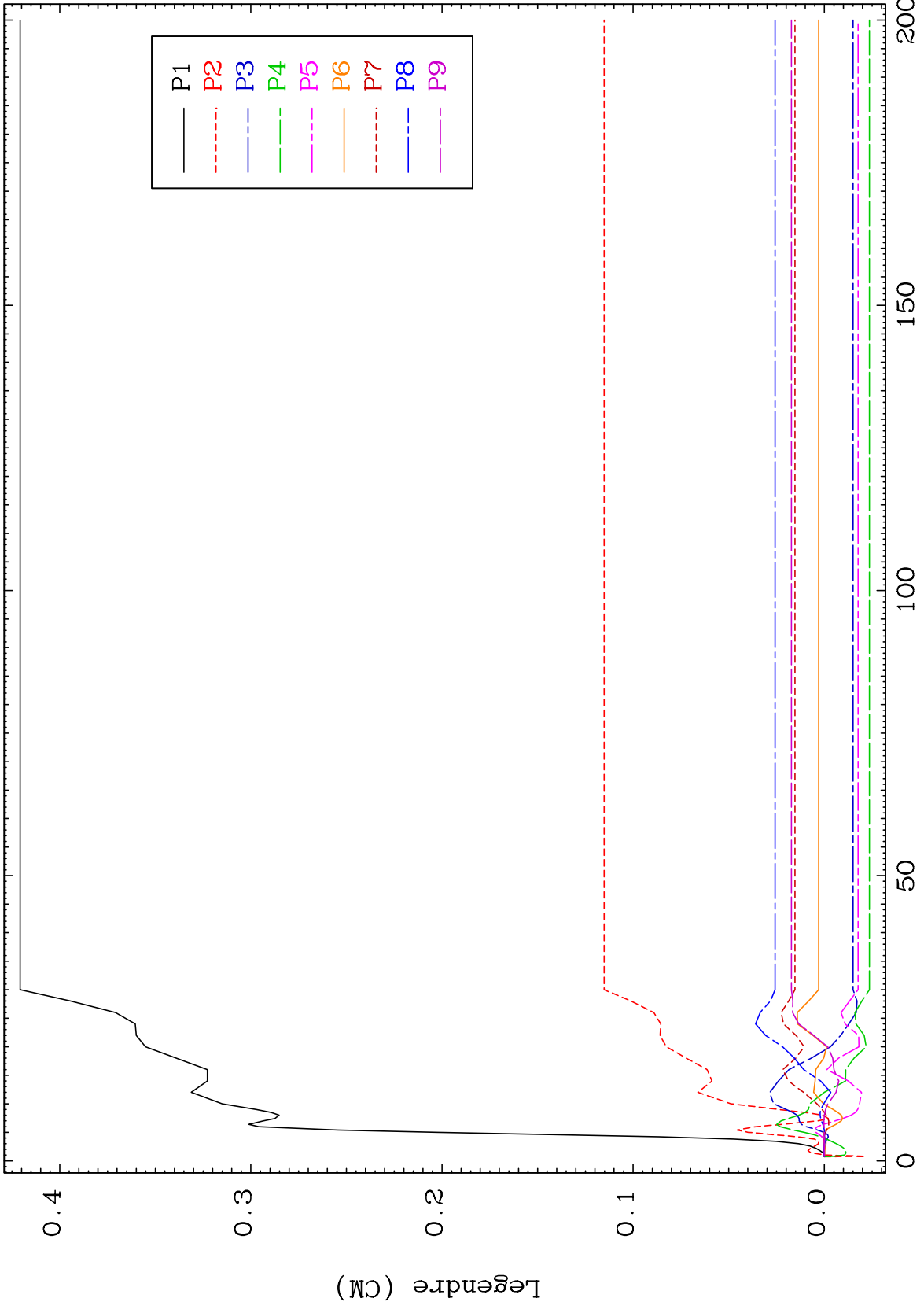
MAT 6249 MT= 53 (n,n') Level Legendre Coefficients 62-Sm-152



MAT 6249

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

62-Sm-152



31

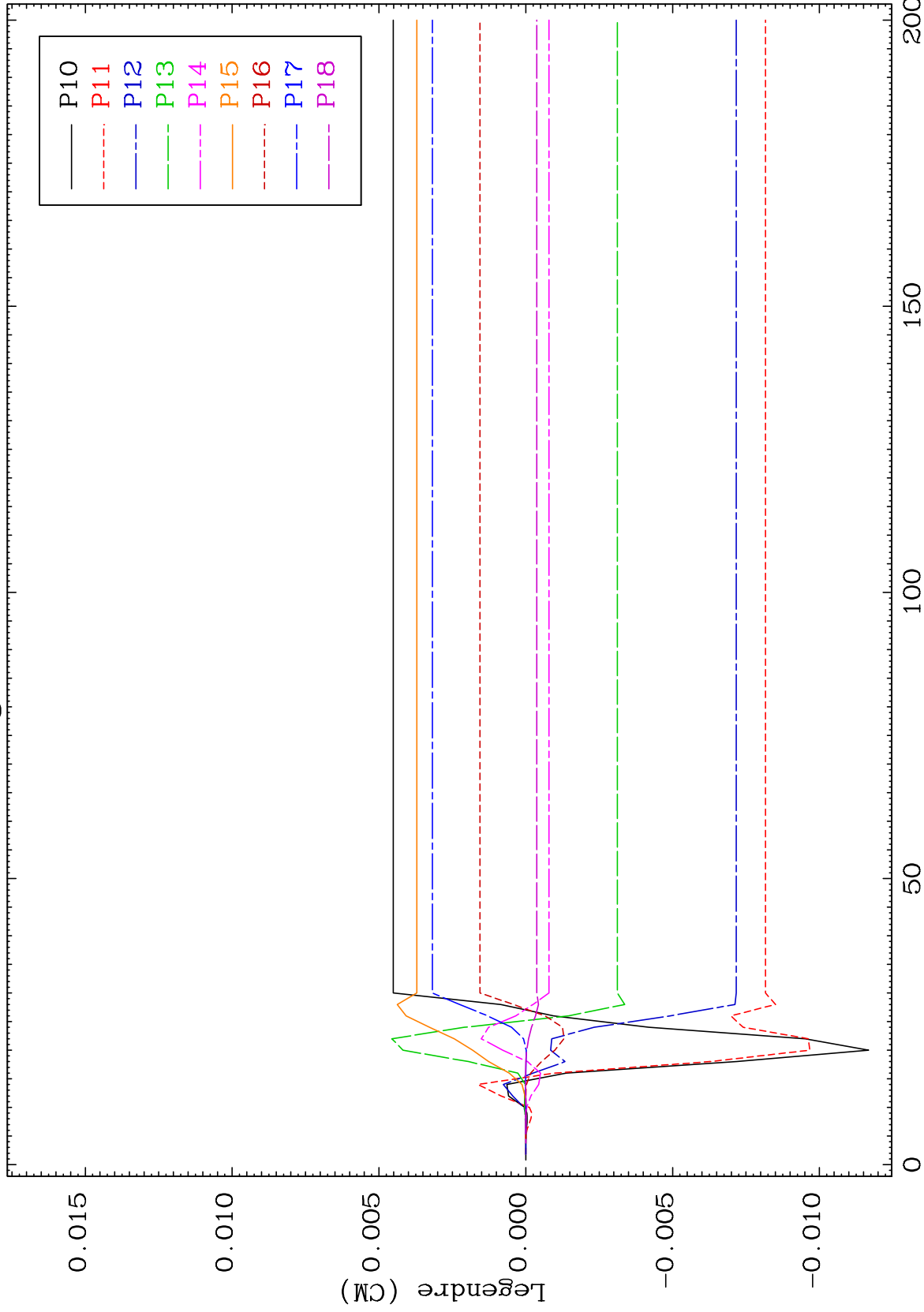
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



32

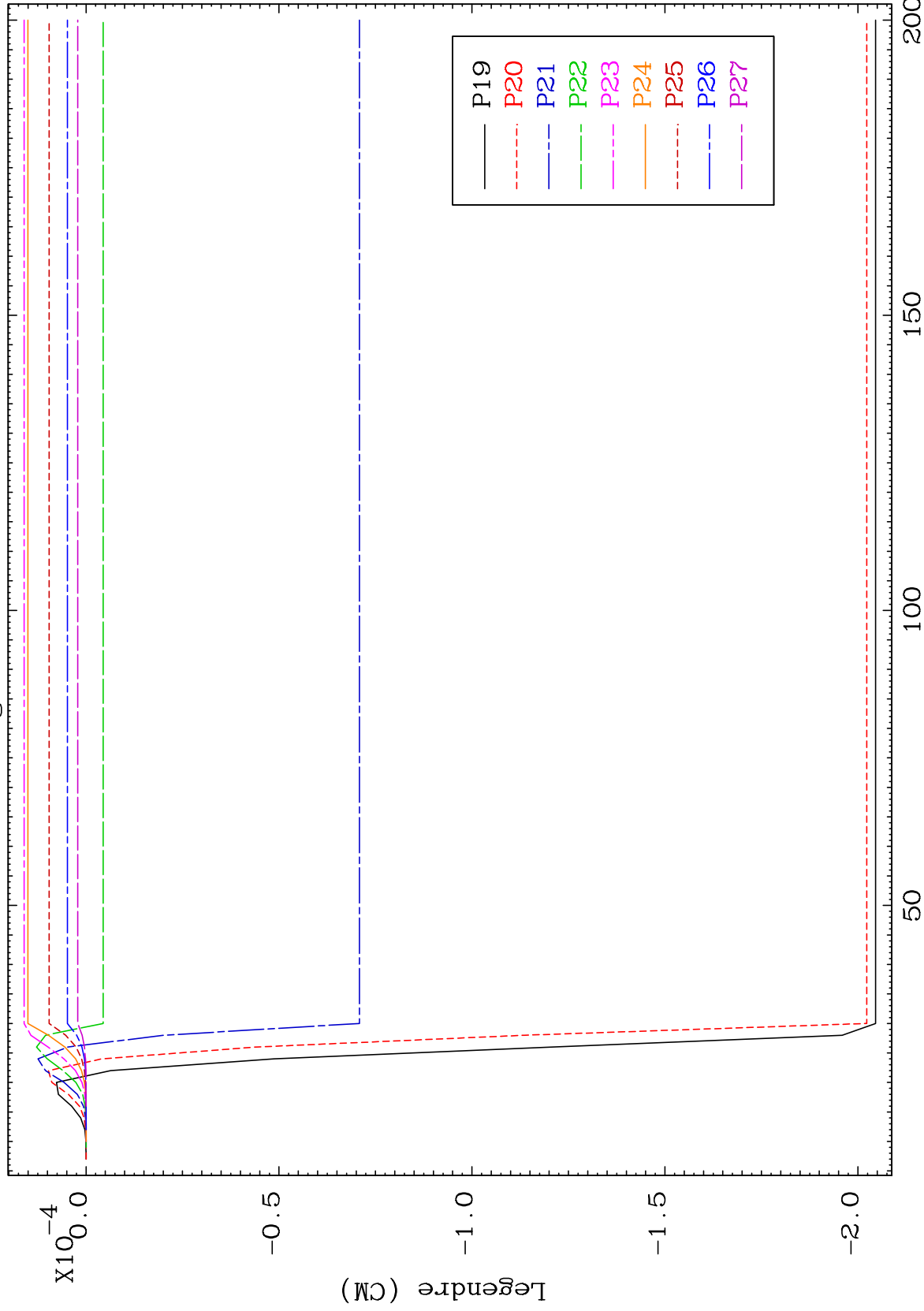
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



33

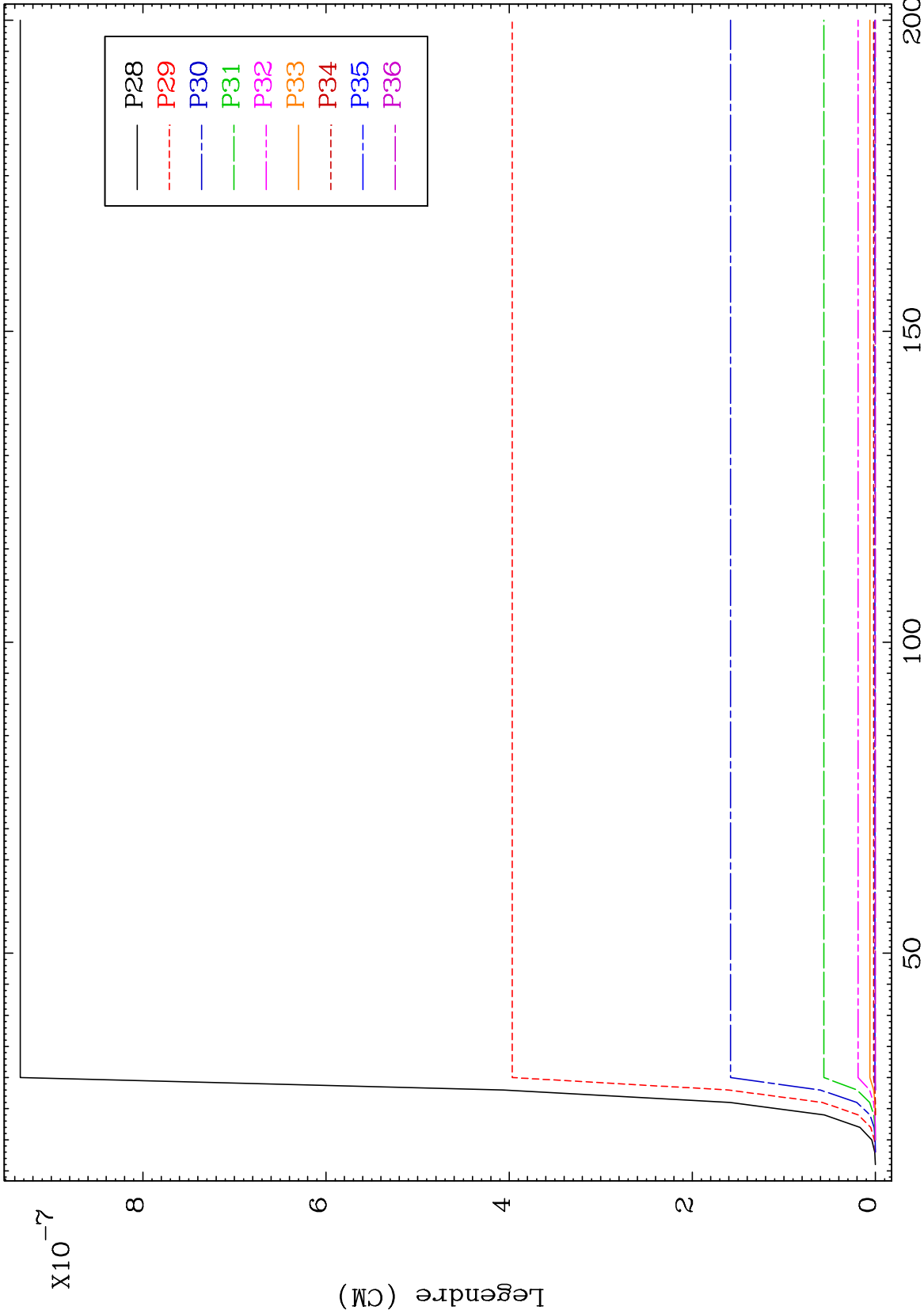
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



34

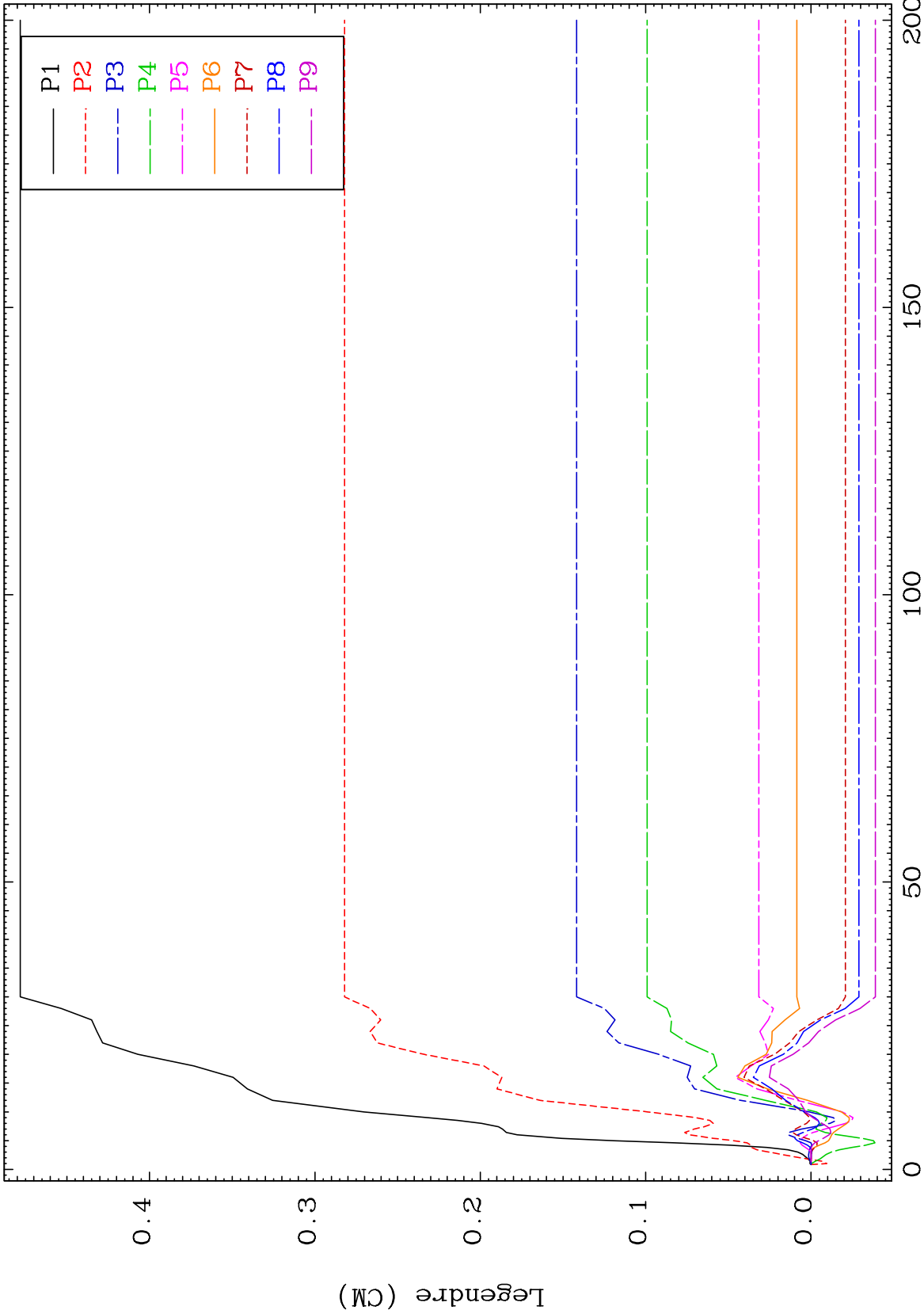
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



35

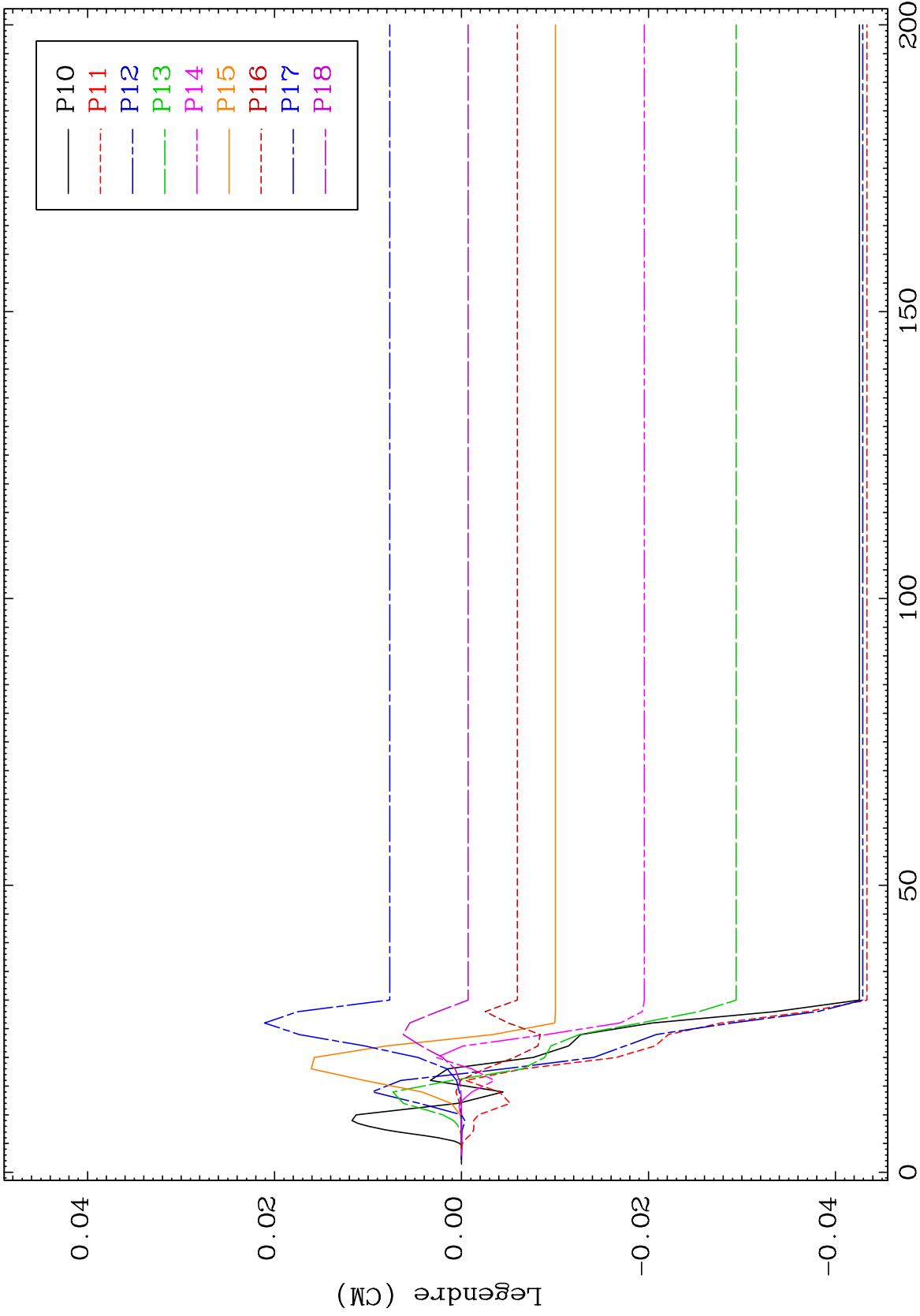
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



36

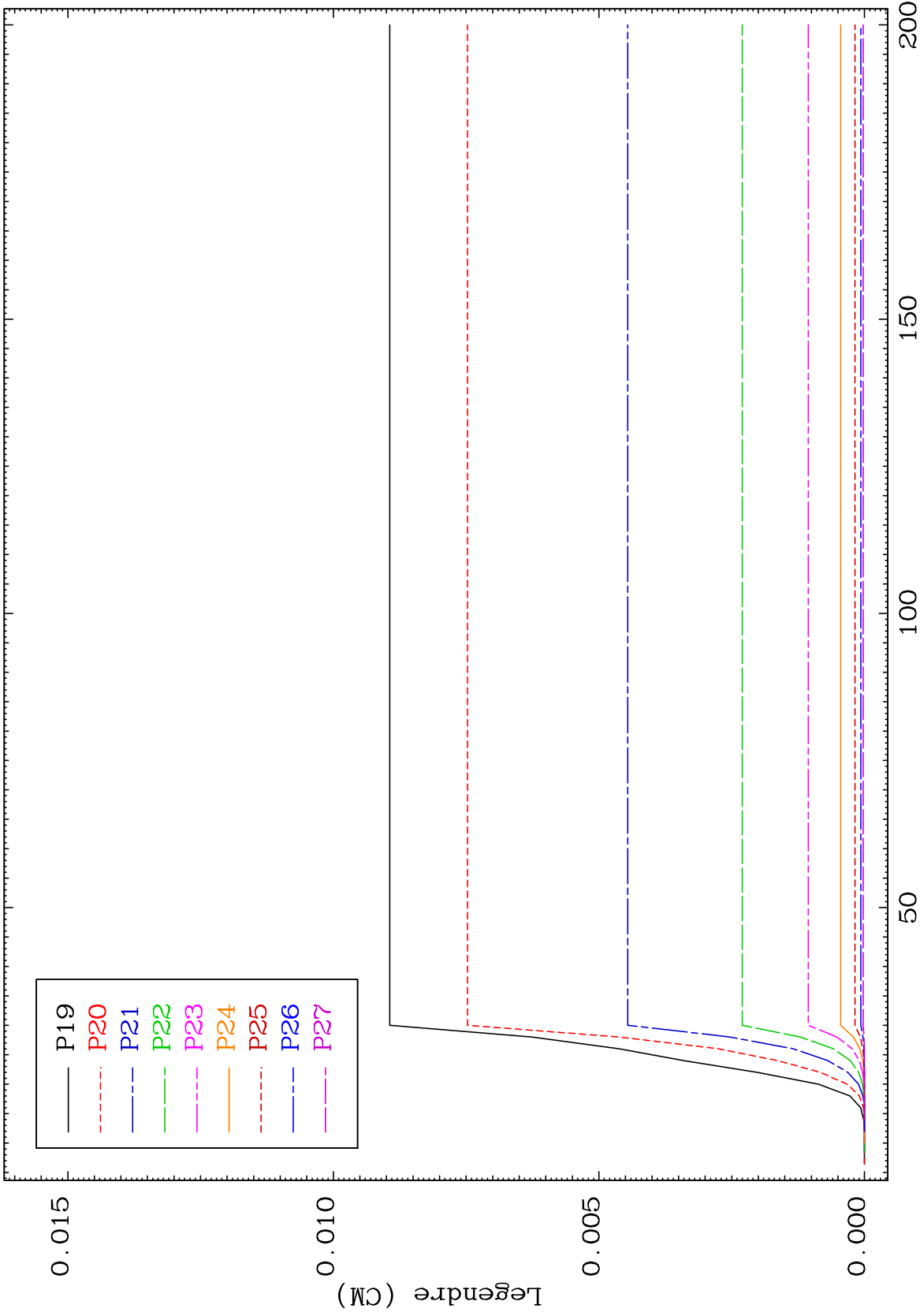
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



37

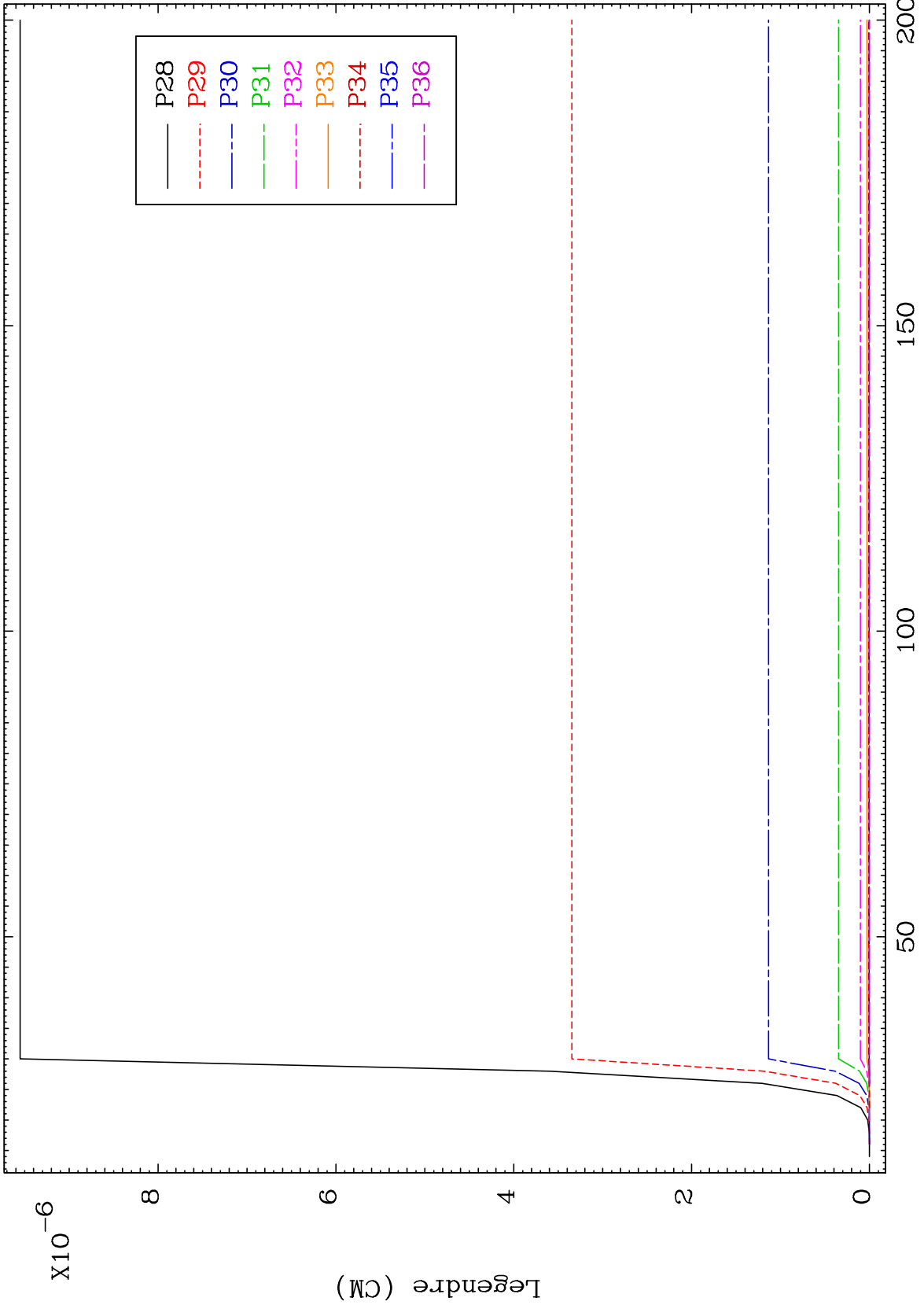
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



38

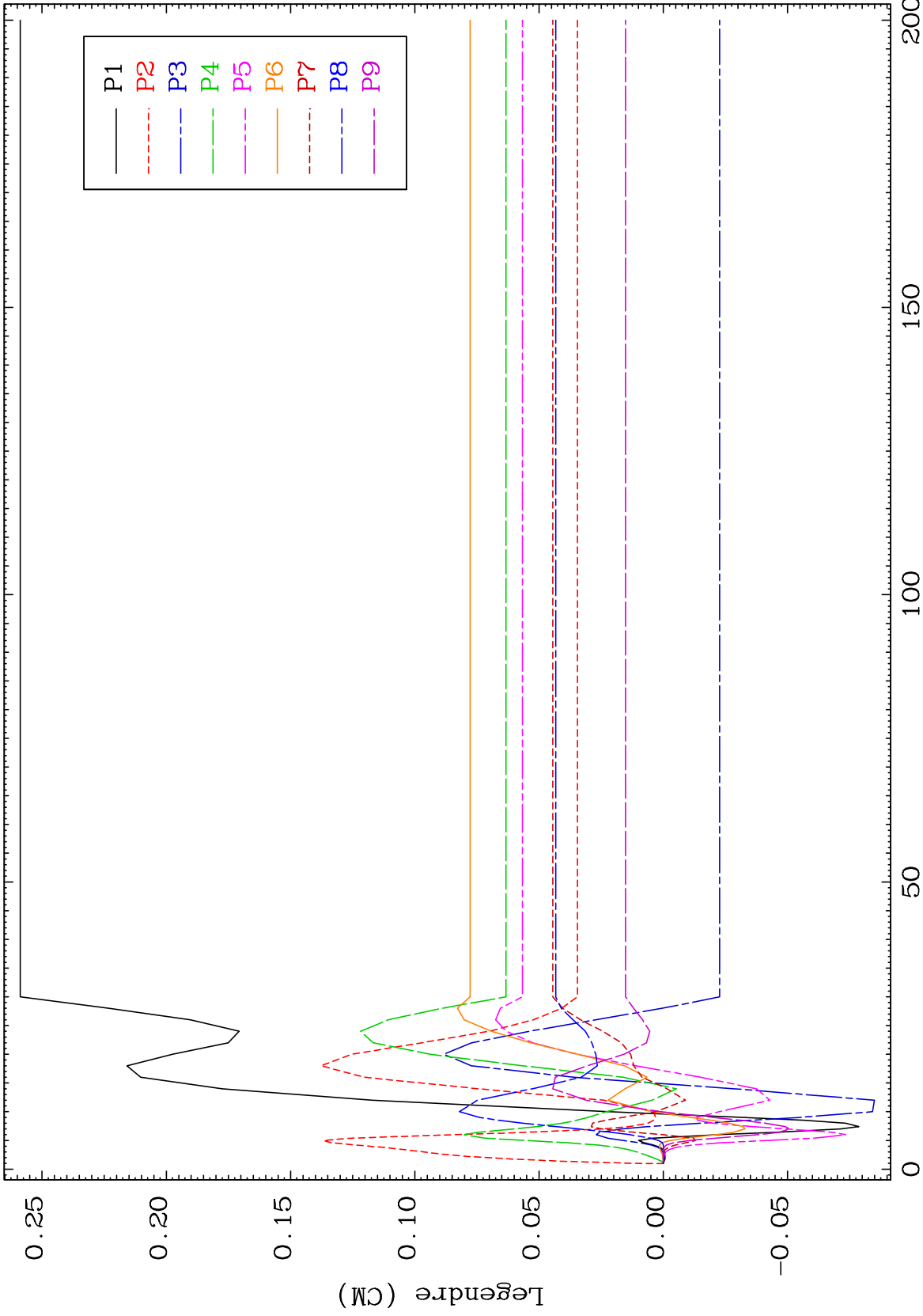
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



39

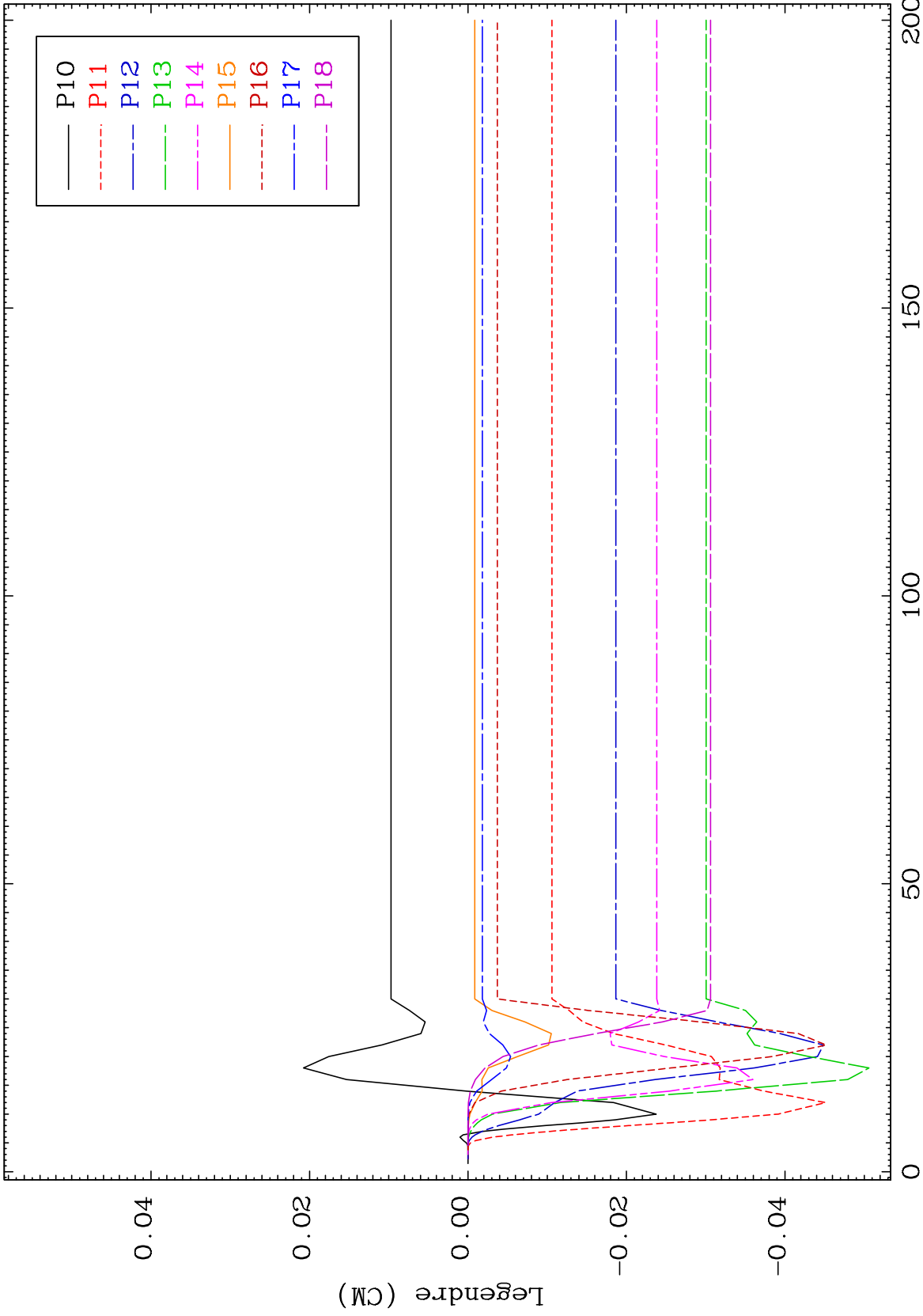
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



40

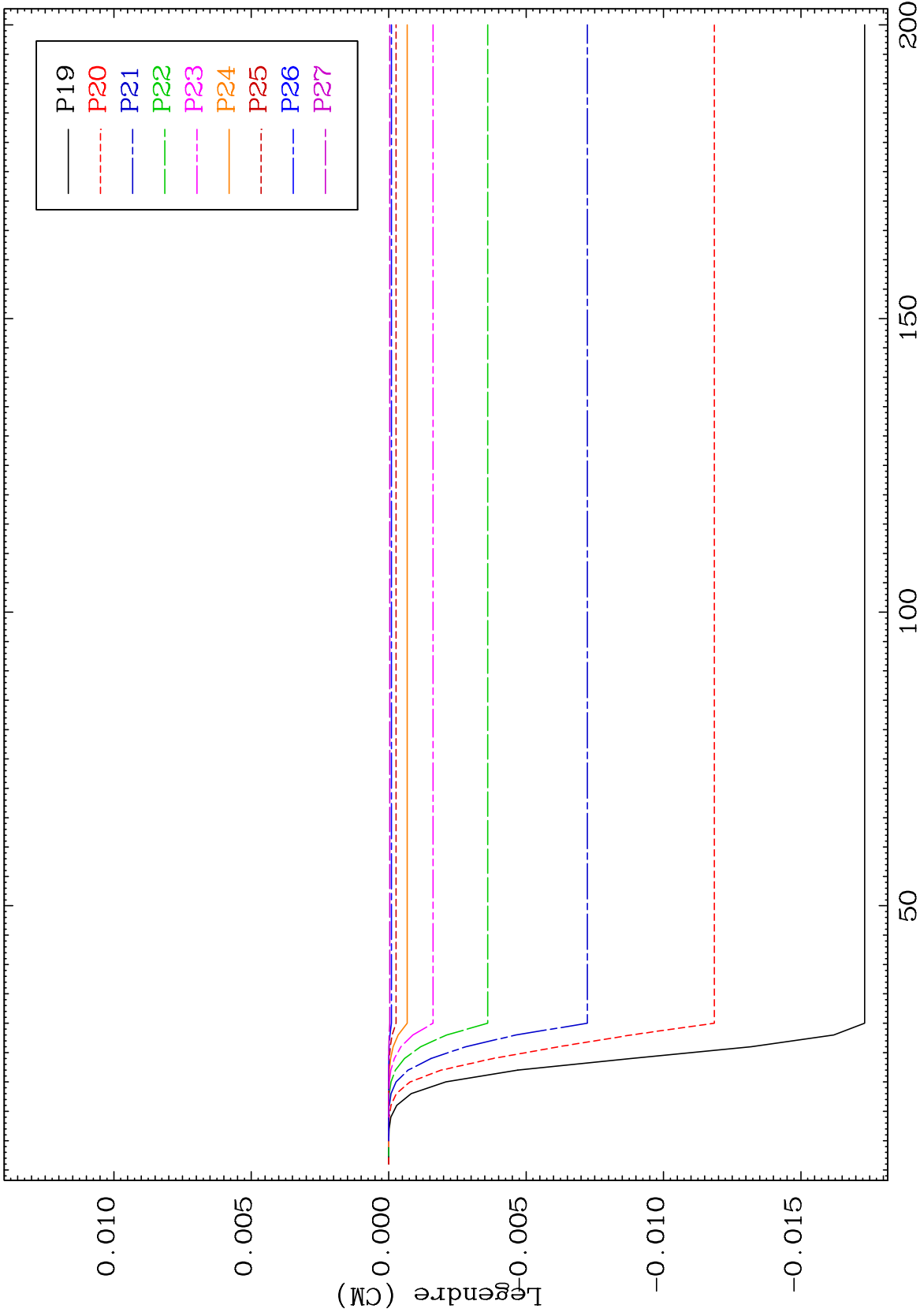
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



41

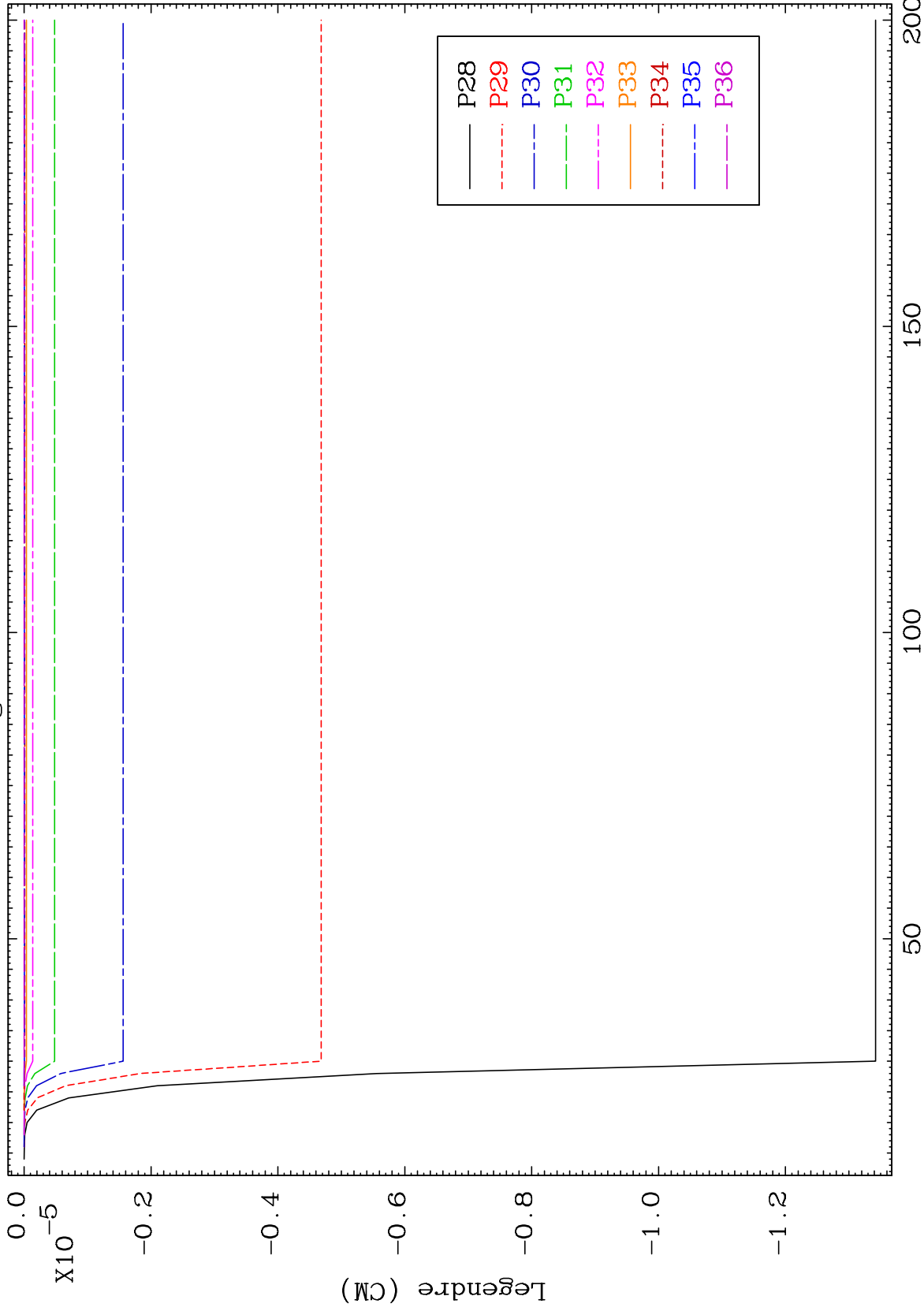
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



42

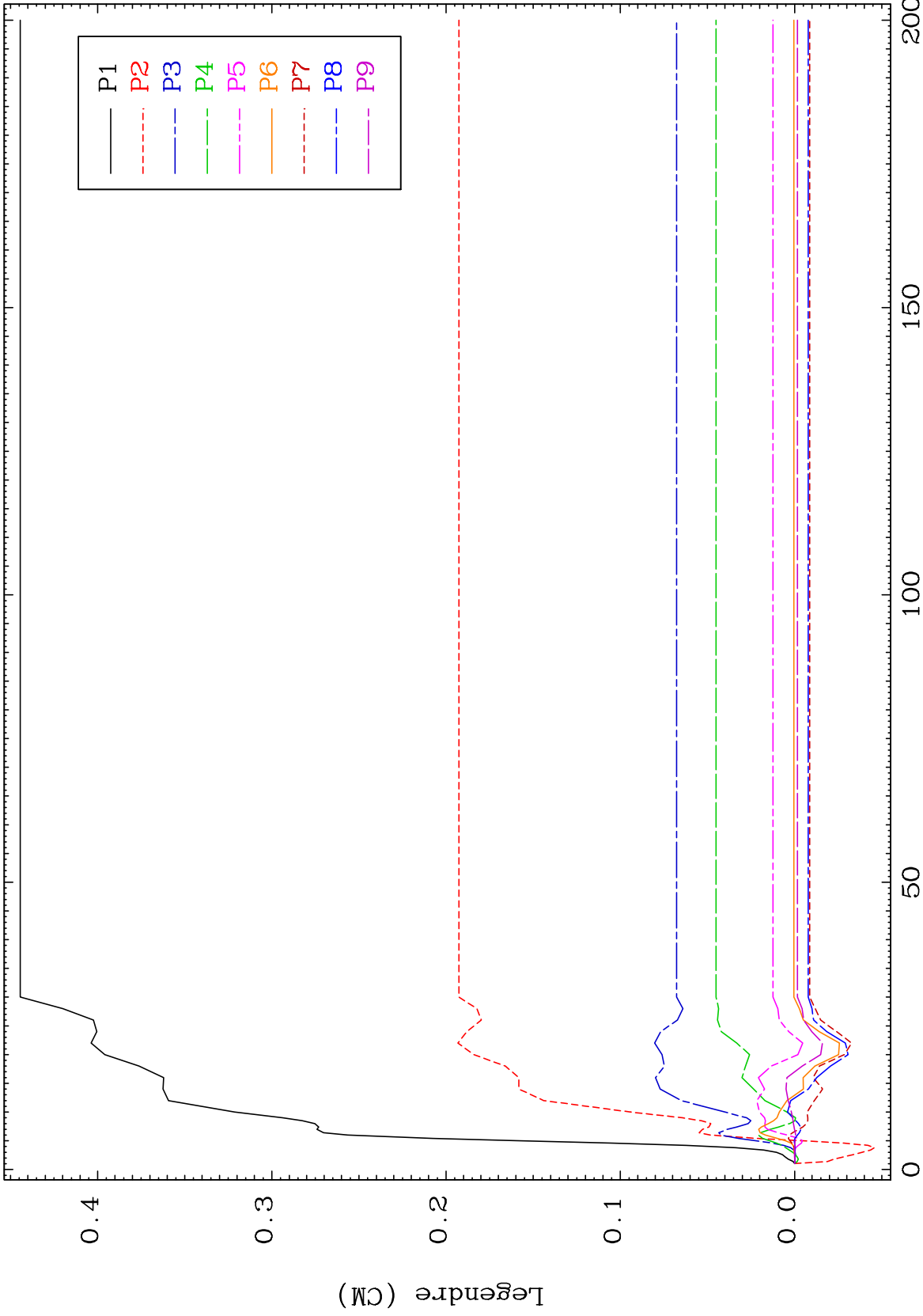
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



43

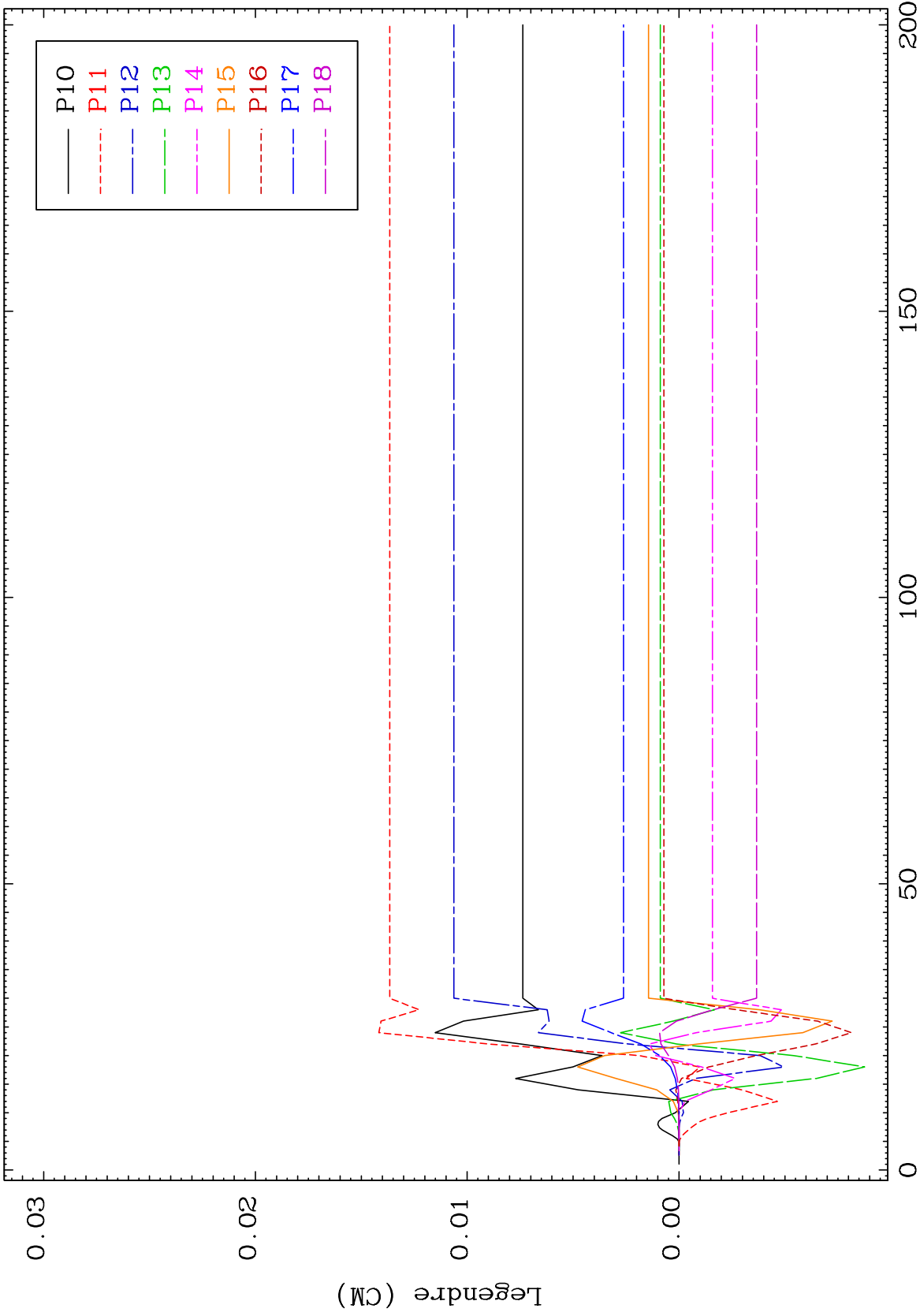
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



44

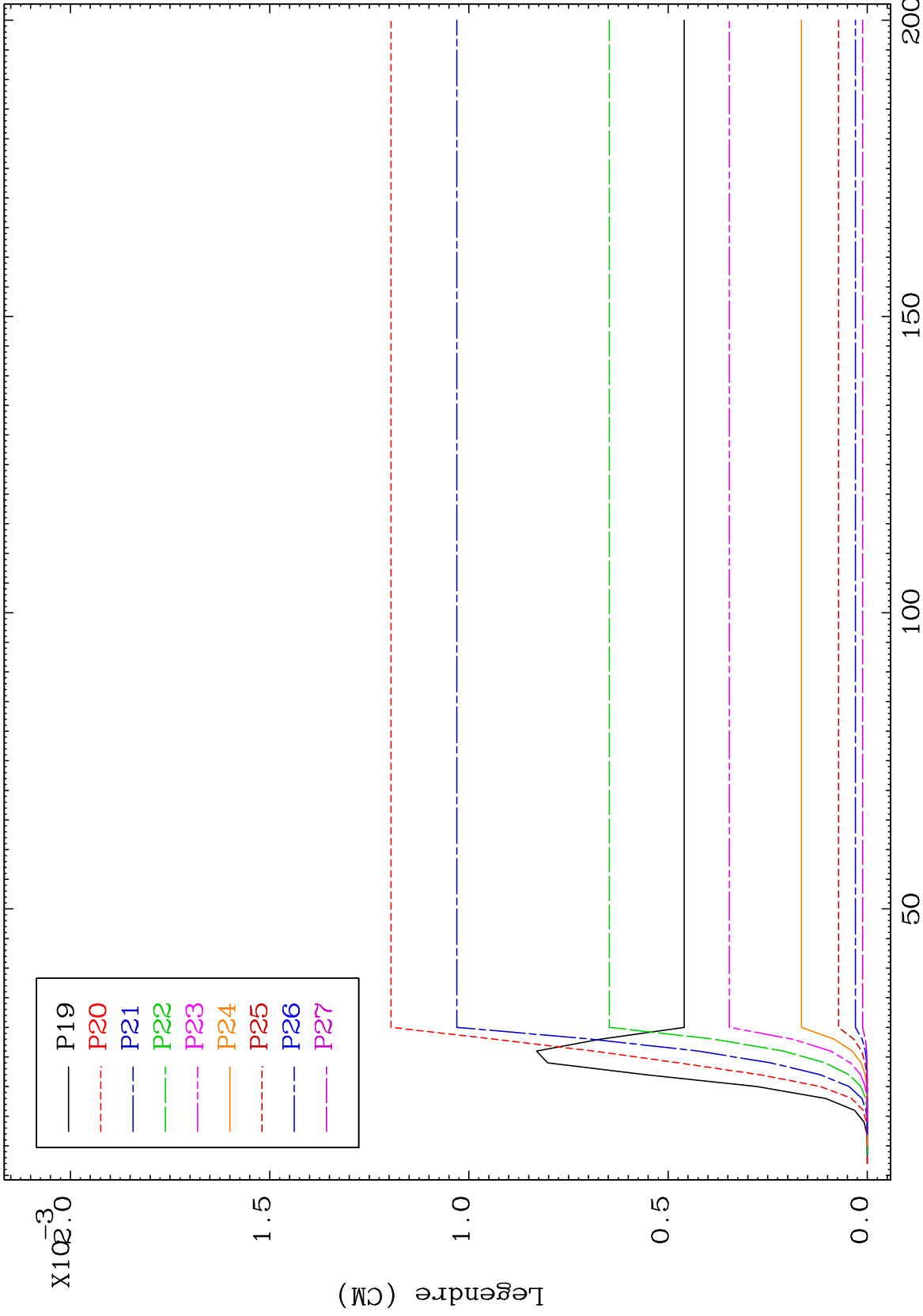
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



45

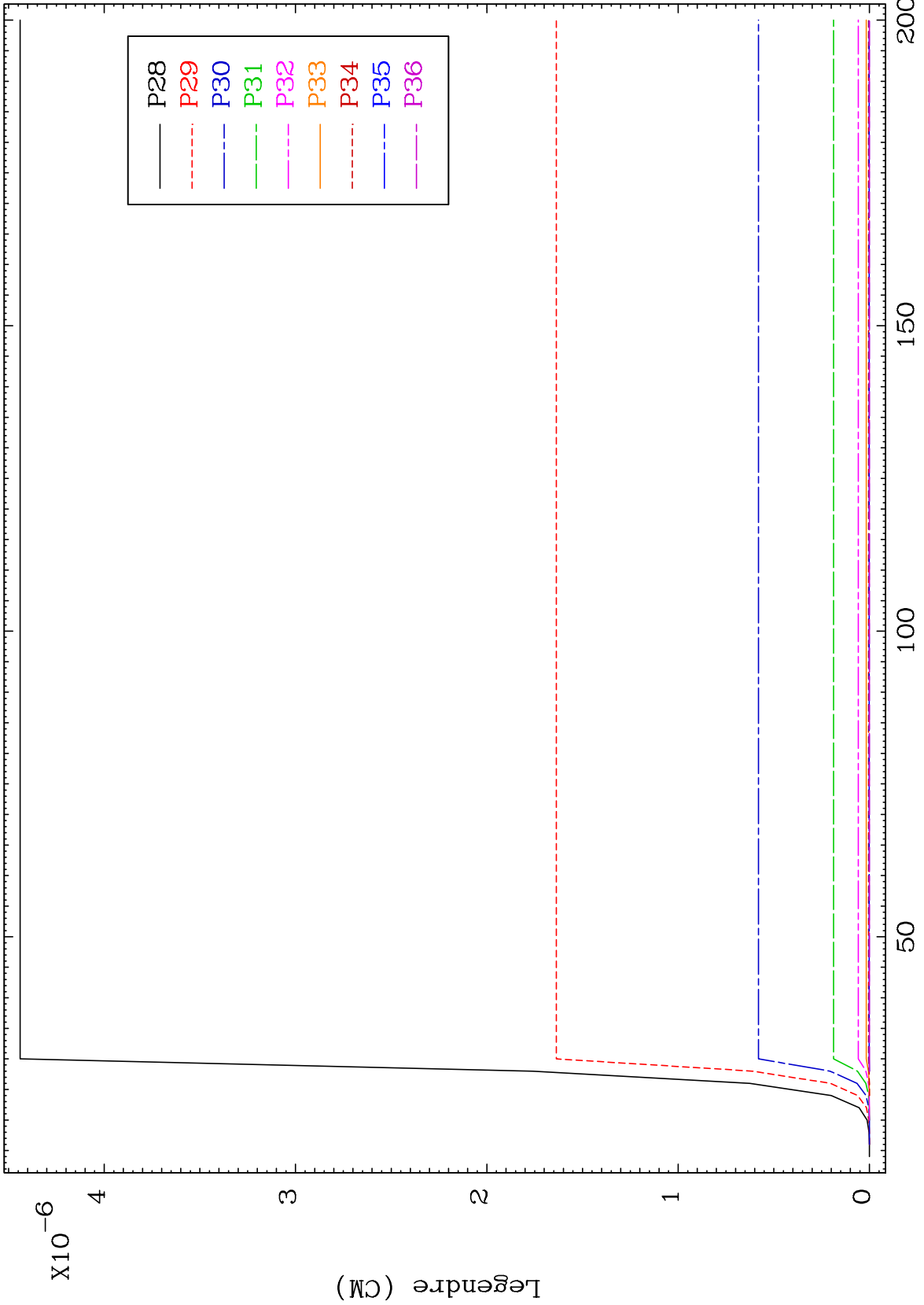
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



46

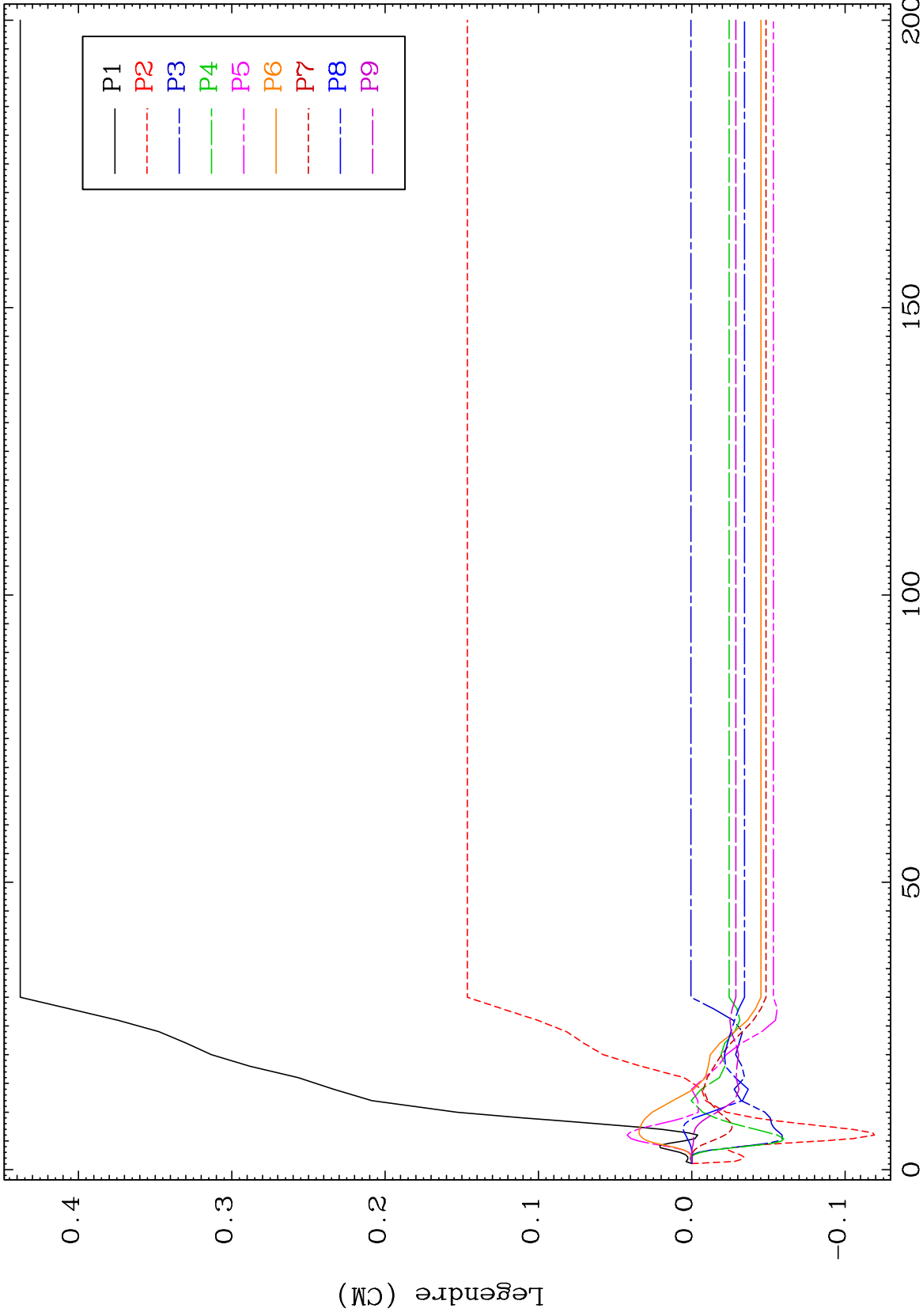
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



47

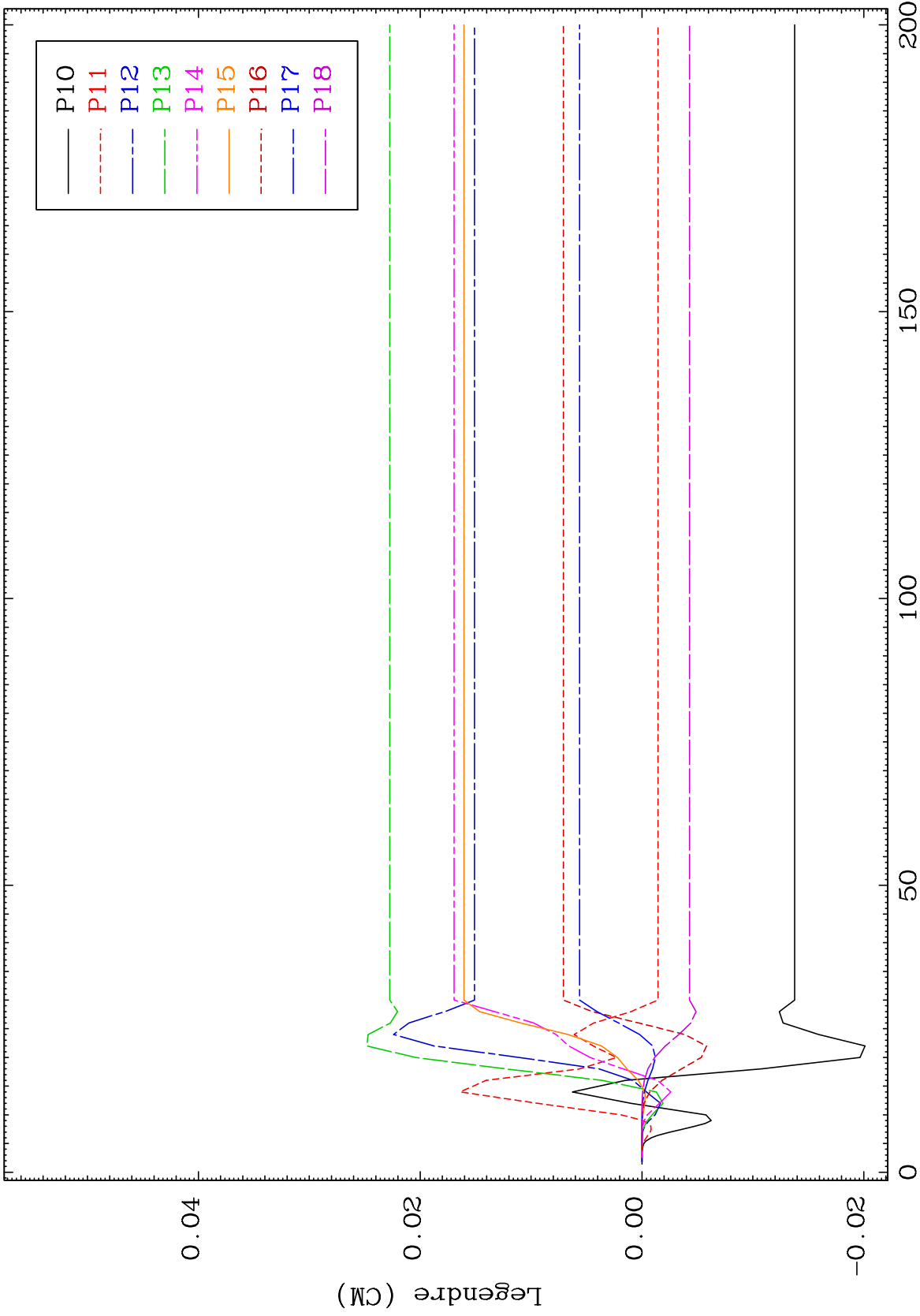
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



48

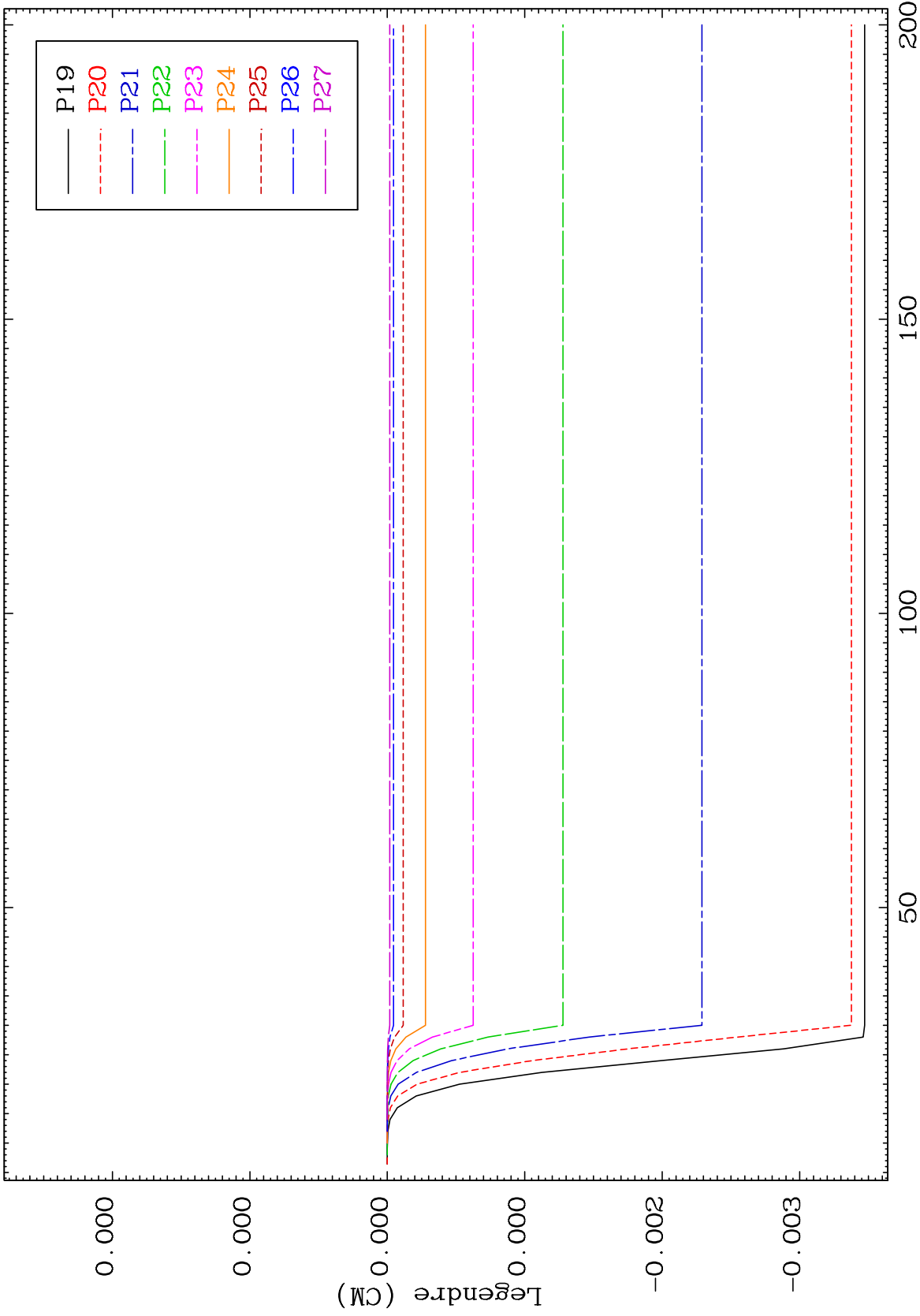
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



49

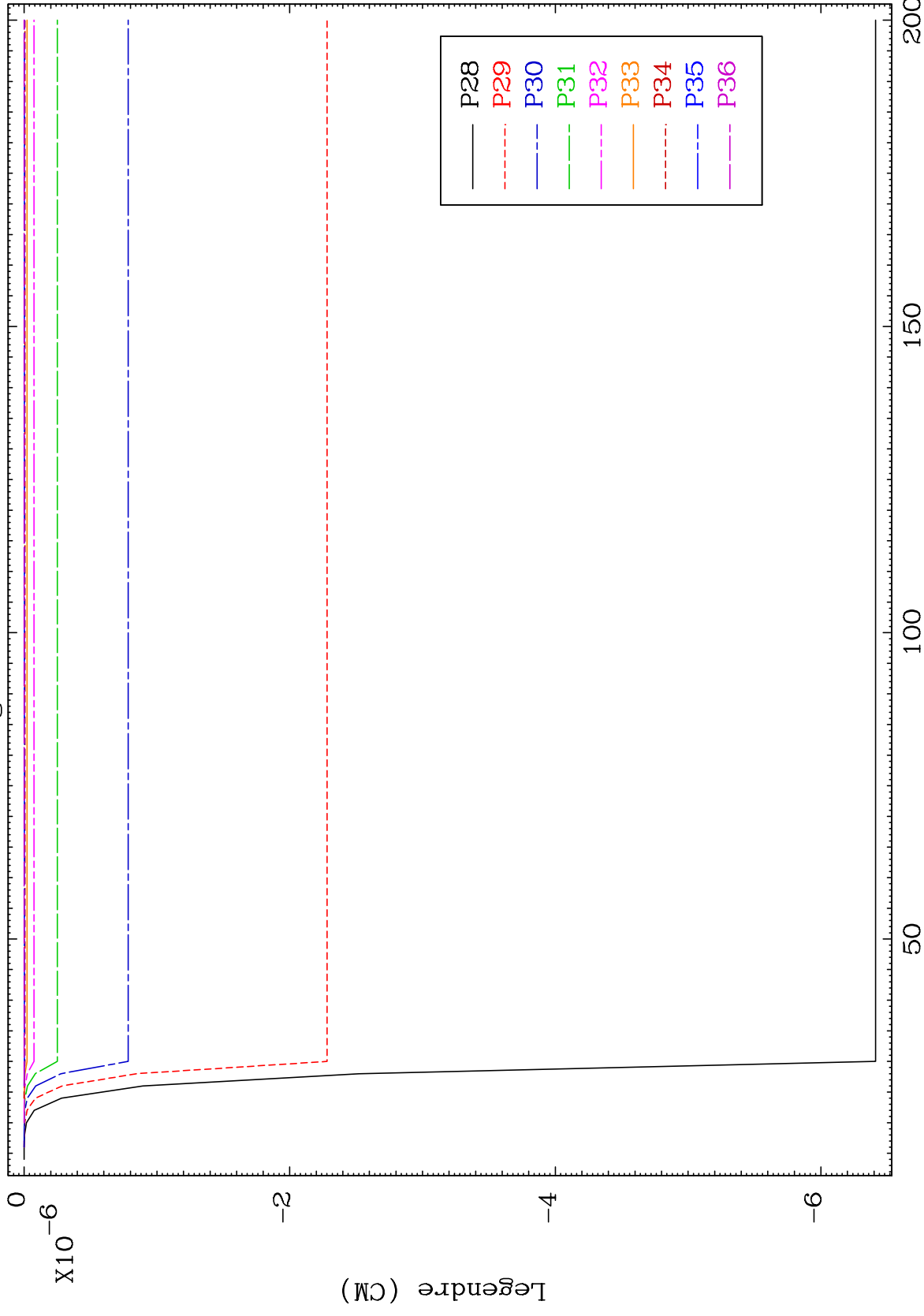
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152

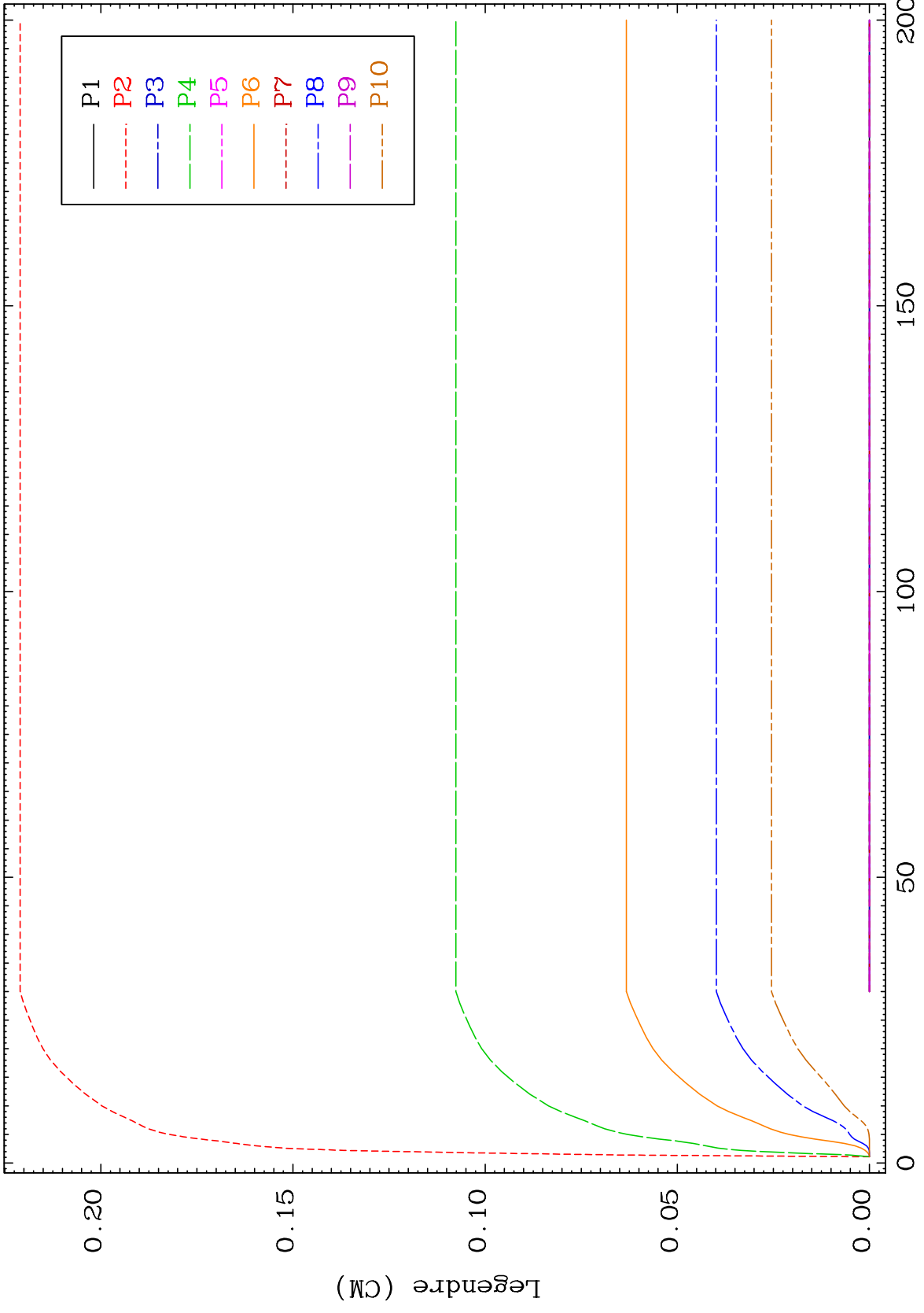


62-Sm-152

Incident Energy (MeV)

50

MAT 6249 MT= 59 (n,n') Level Legendre Coefficients 62-Sm-152

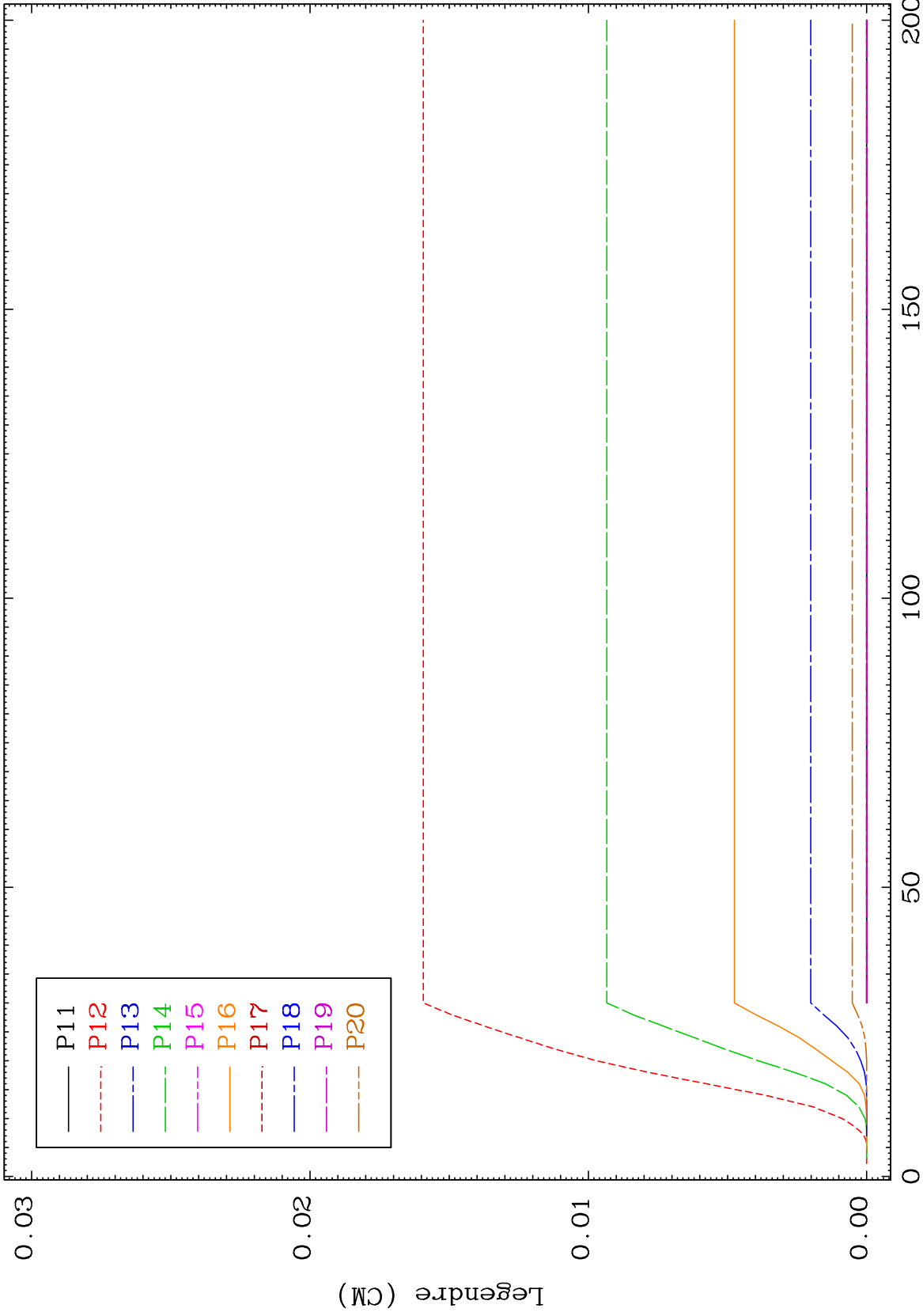


51 62-Sm-152

MAT 6249

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

62-Sm-152

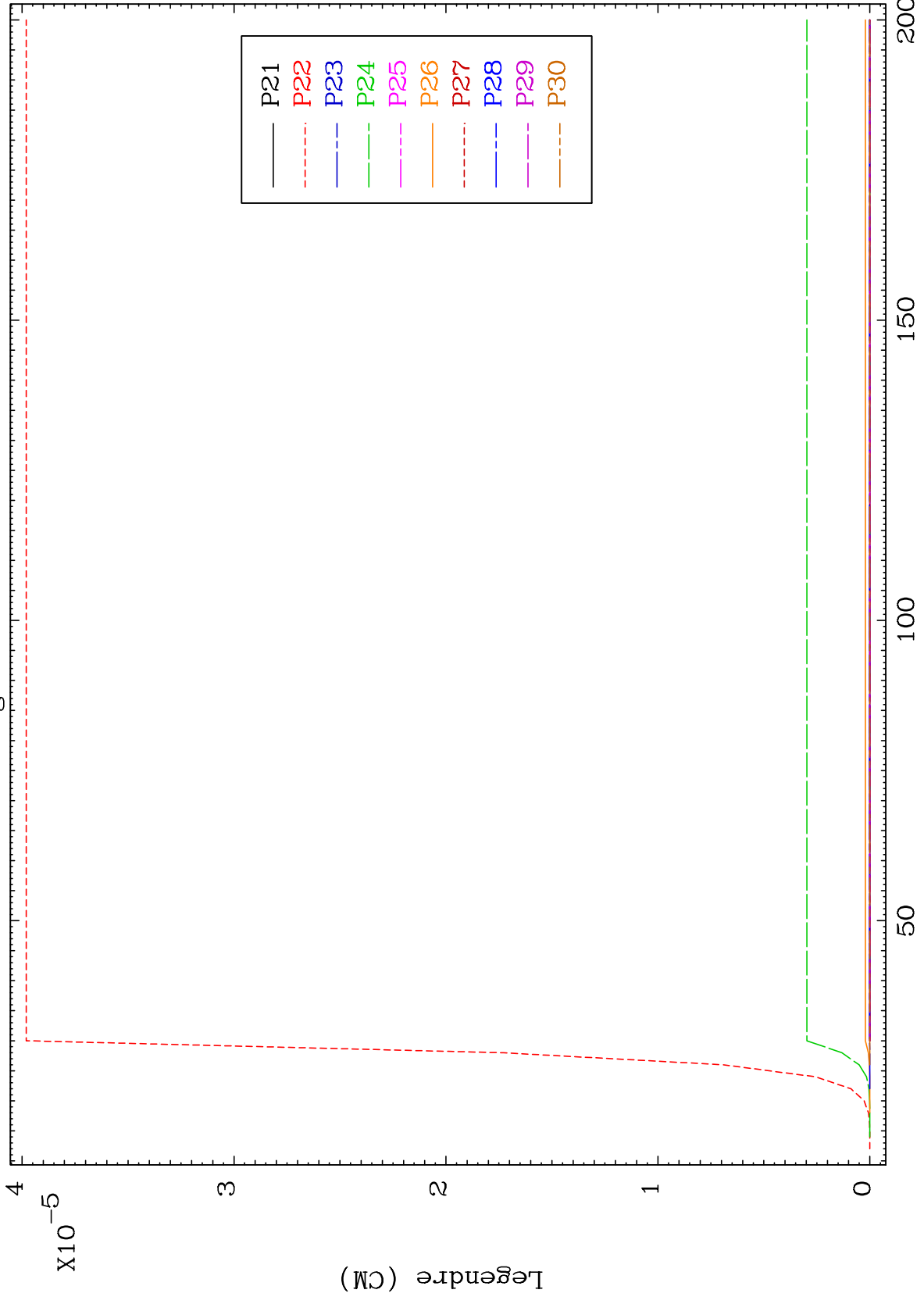


52

Incident Energy (MeV)

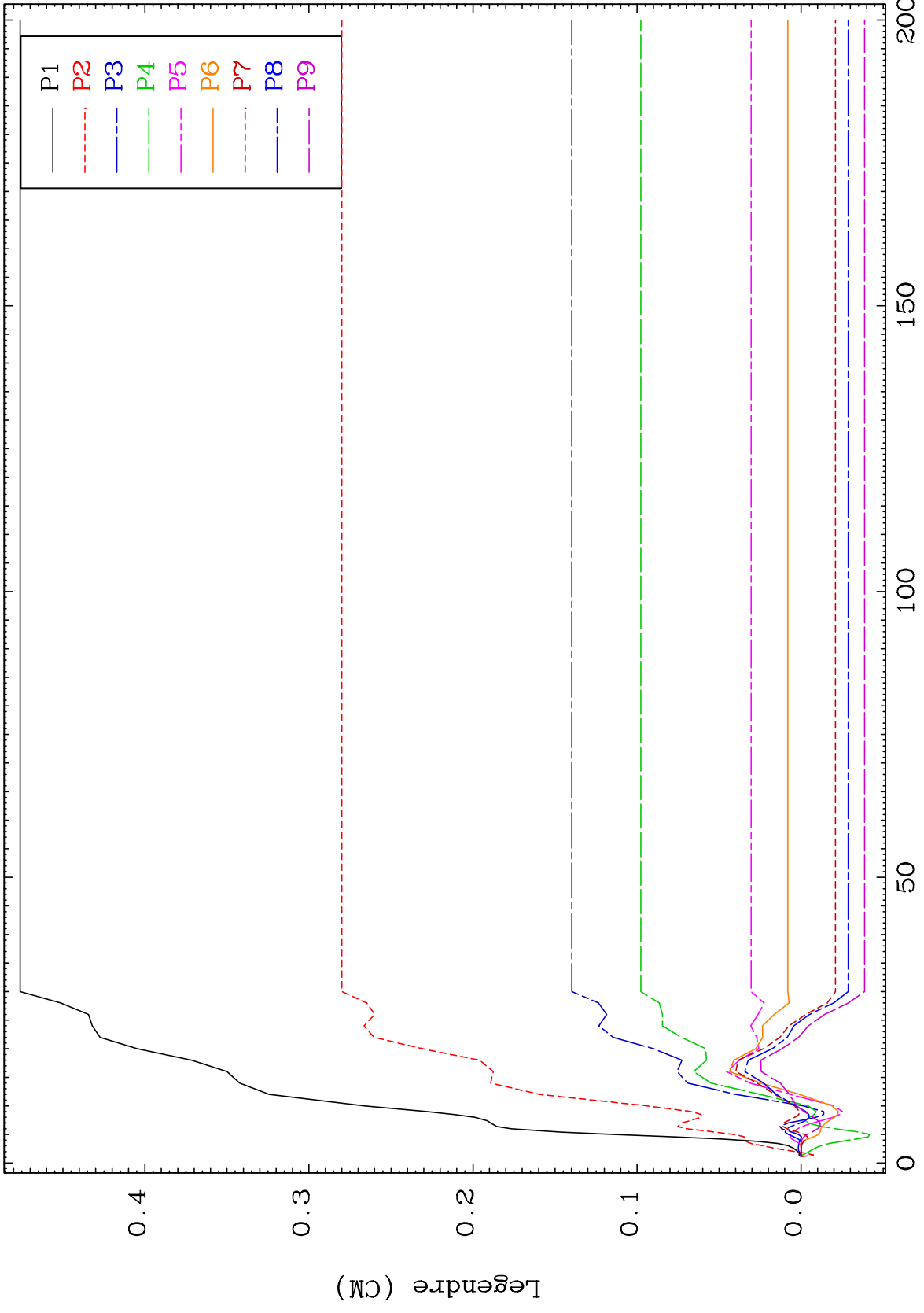
62-Sm-152

MAT 6249 MT= 59 (n,n') Level Legendre Coefficients 62-Sm-152



53 62-Sm-152

MAT 6249 MT= 60 (n,n') Level Legendre Coefficients 62-Sm-152

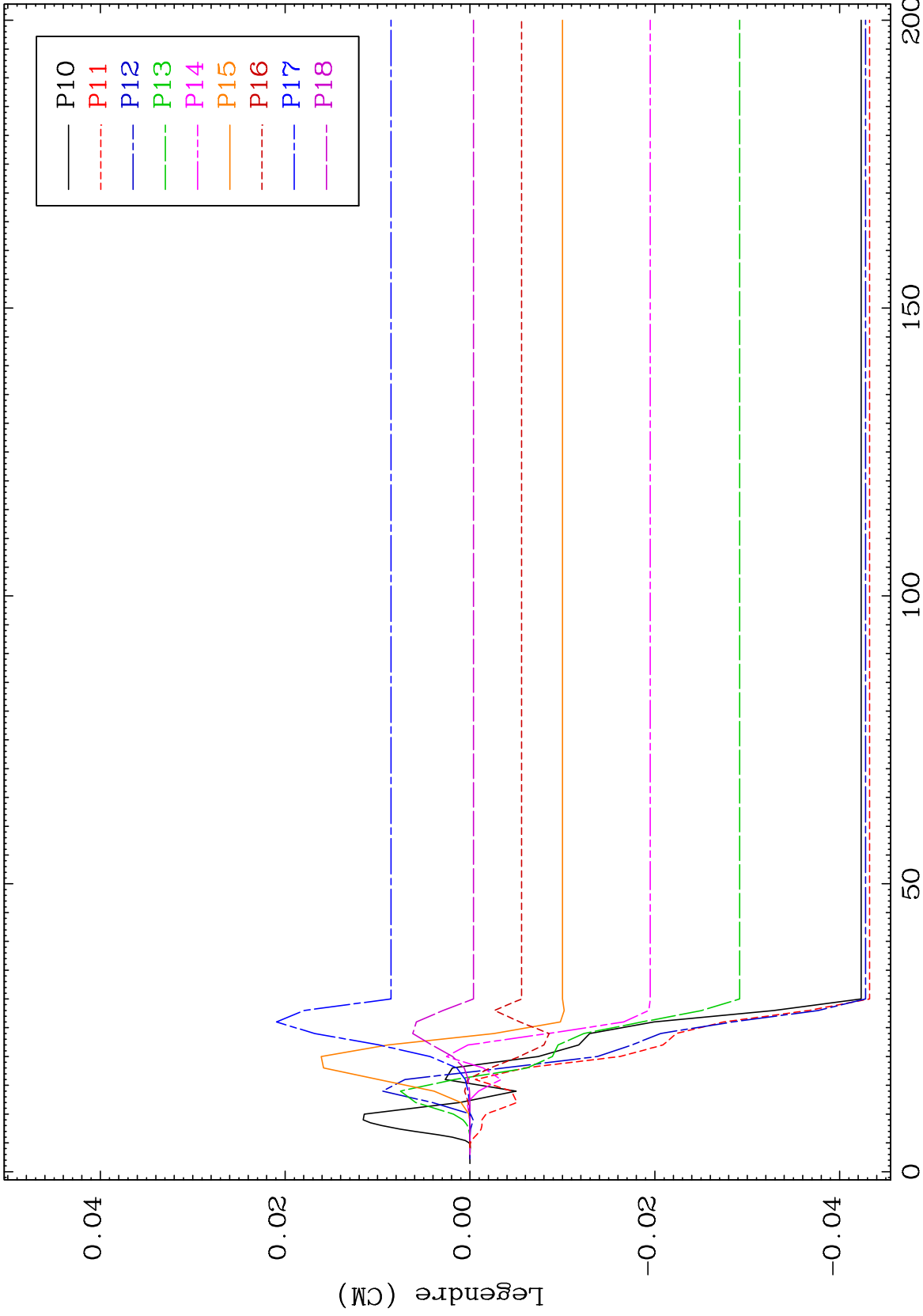


54 62-Sm-152

MAT 6249

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

62-Sm-152



55

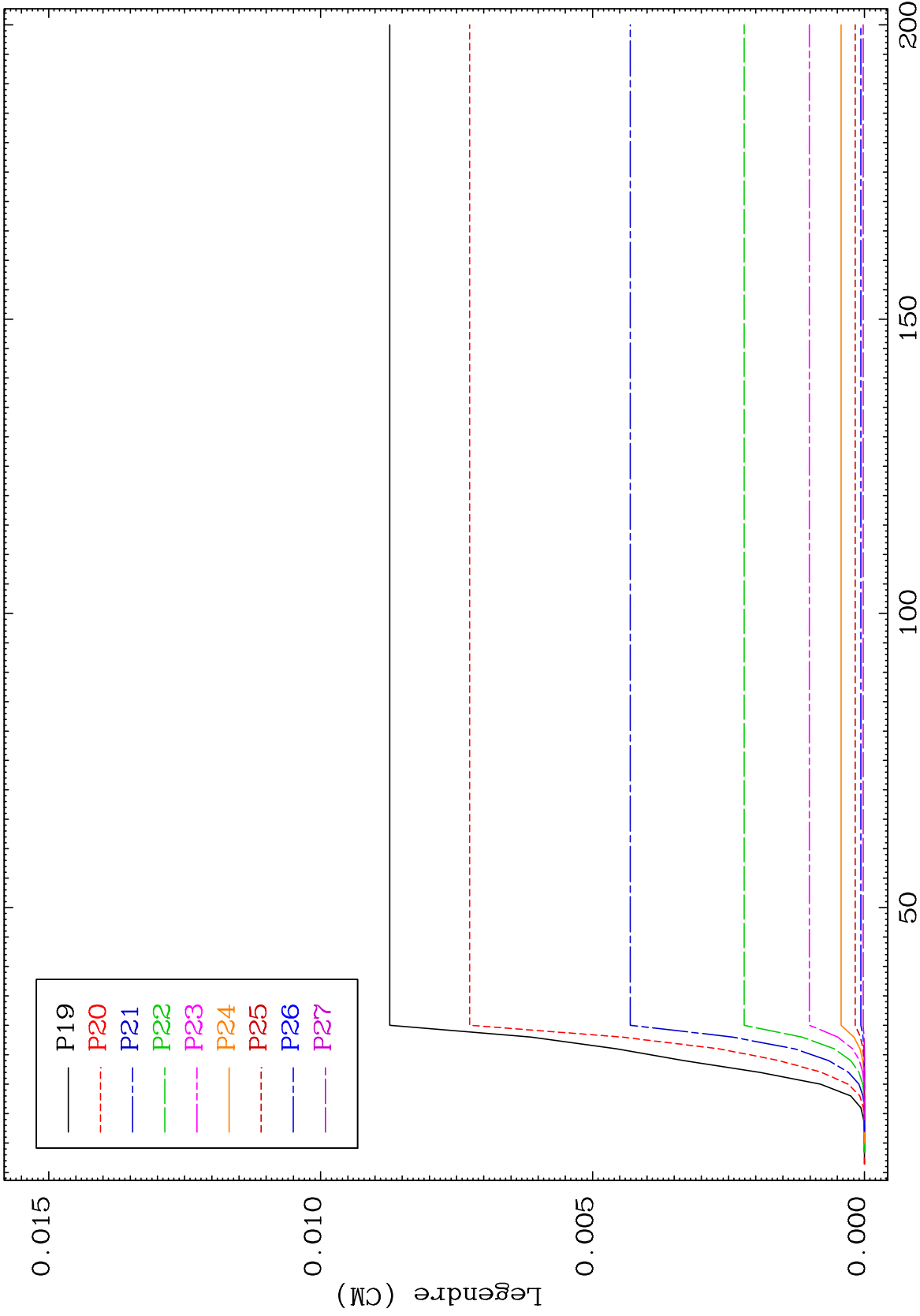
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



56

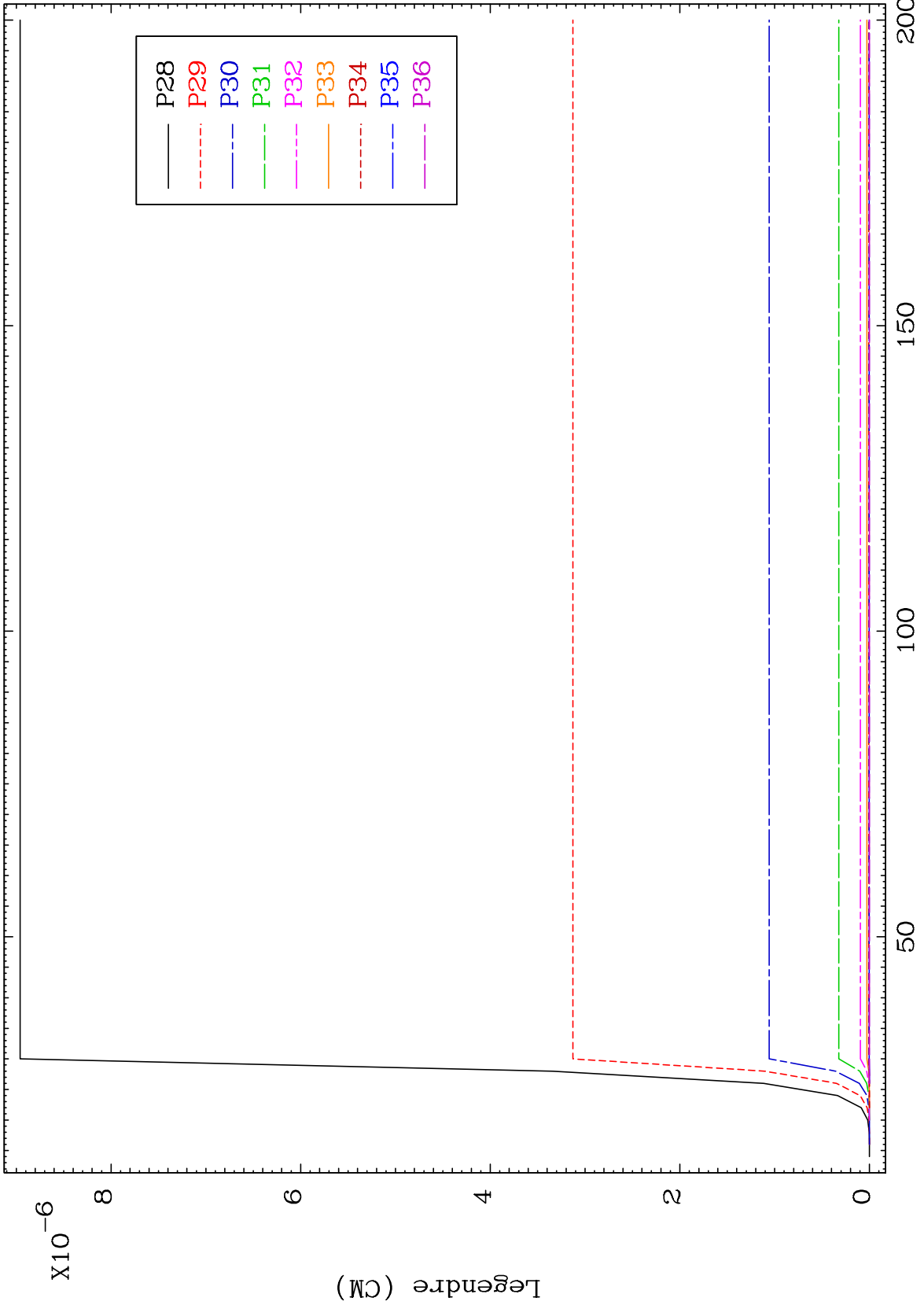
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



57

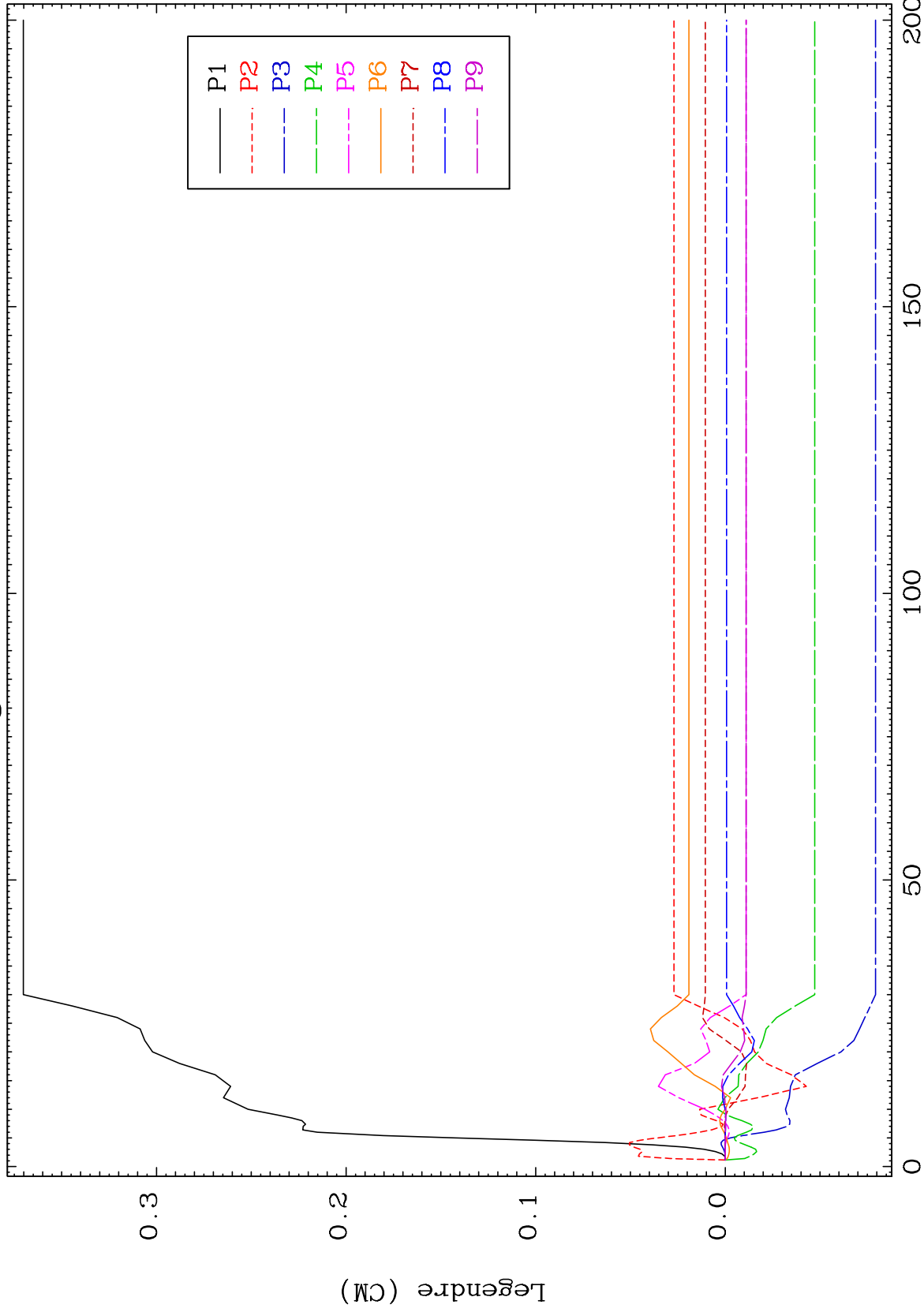
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



58

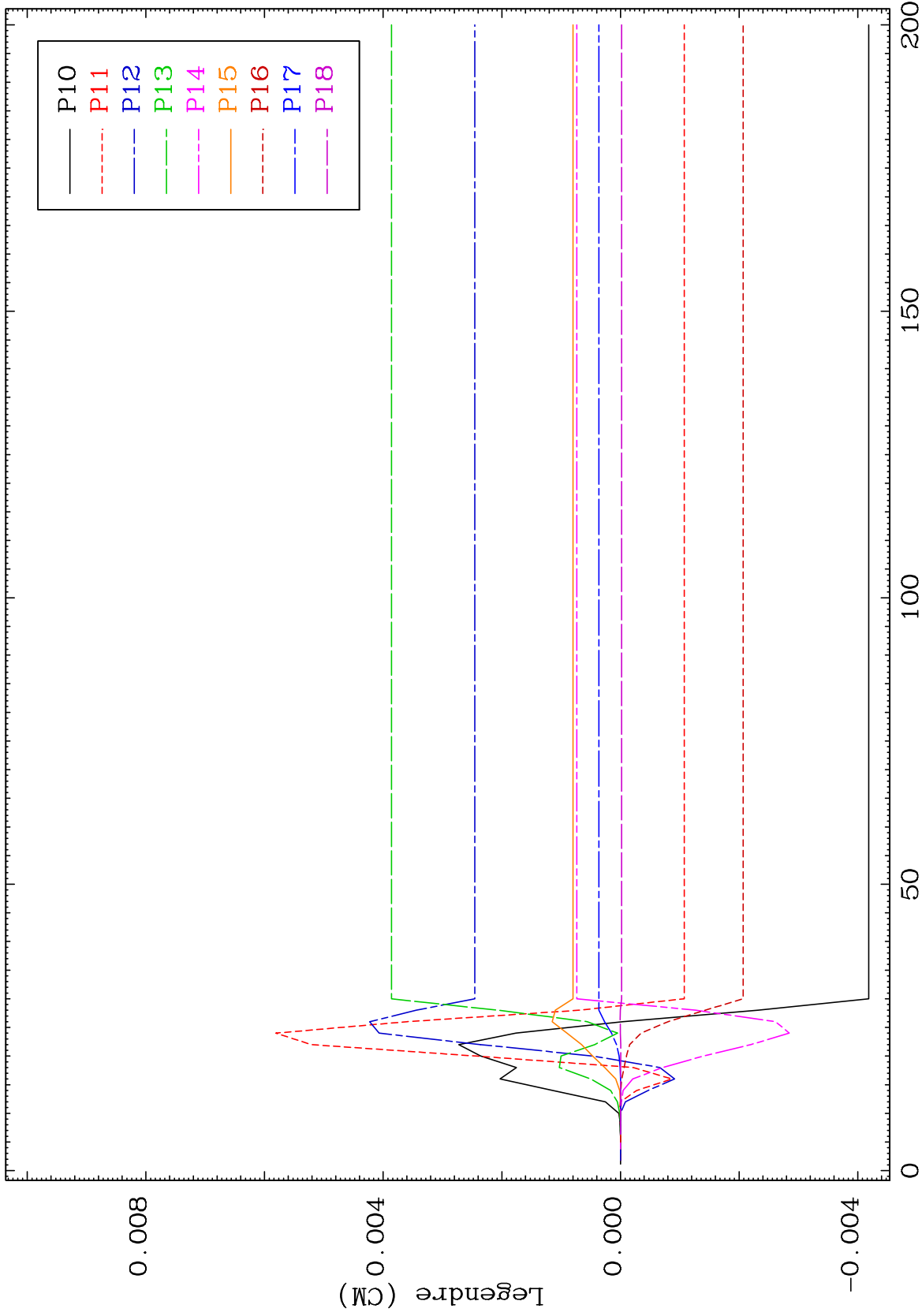
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



59

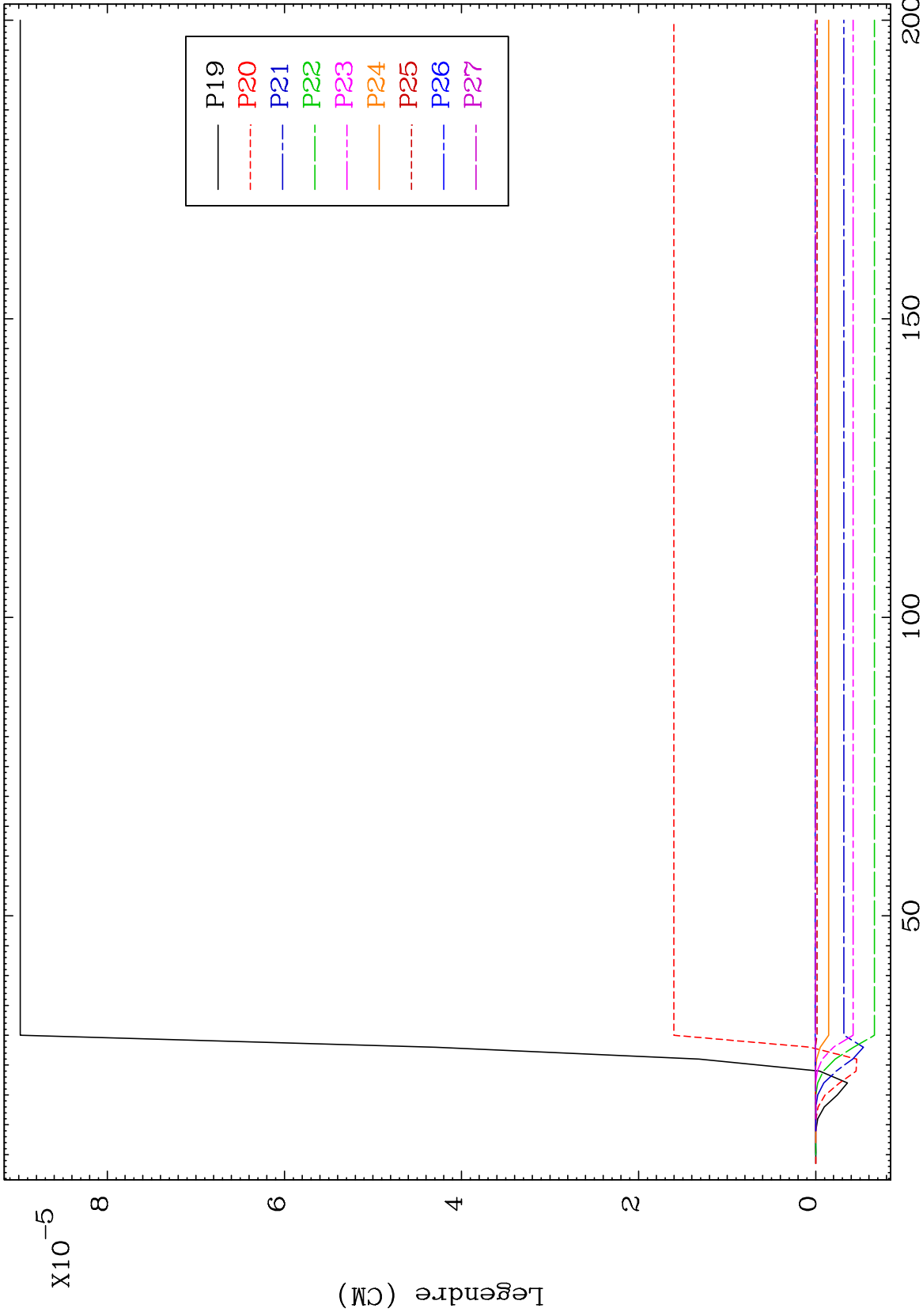
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



60

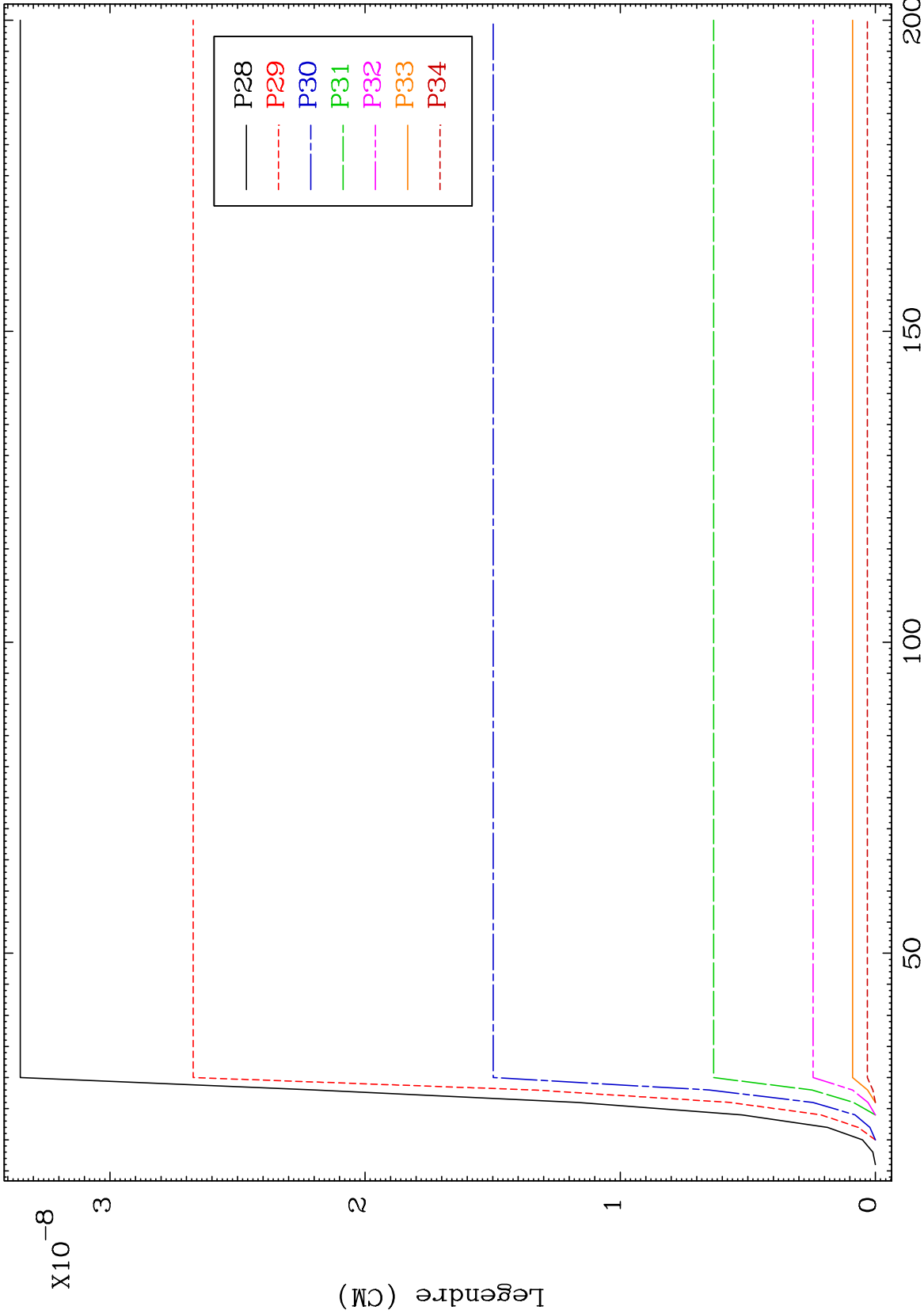
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



61

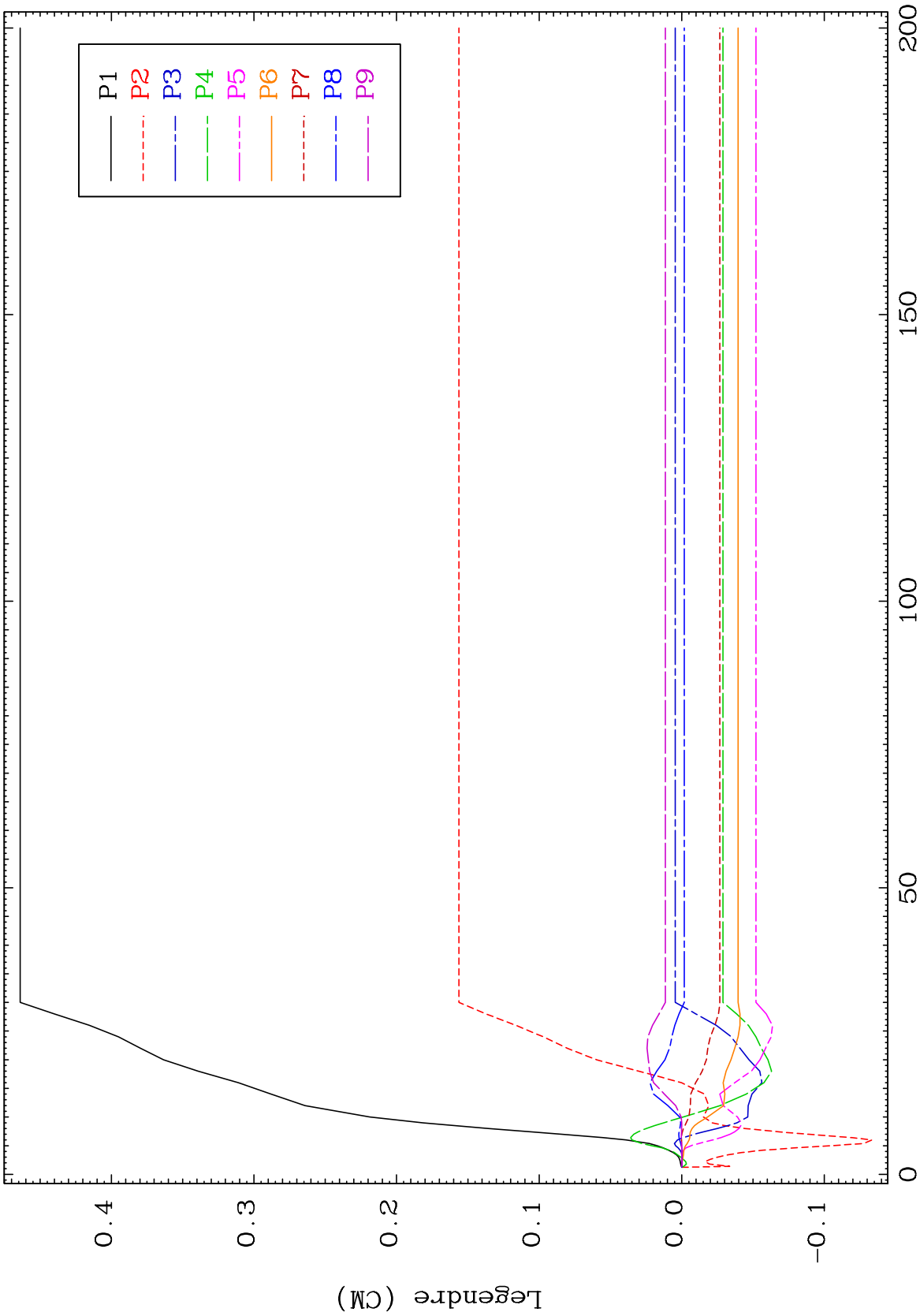
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



62

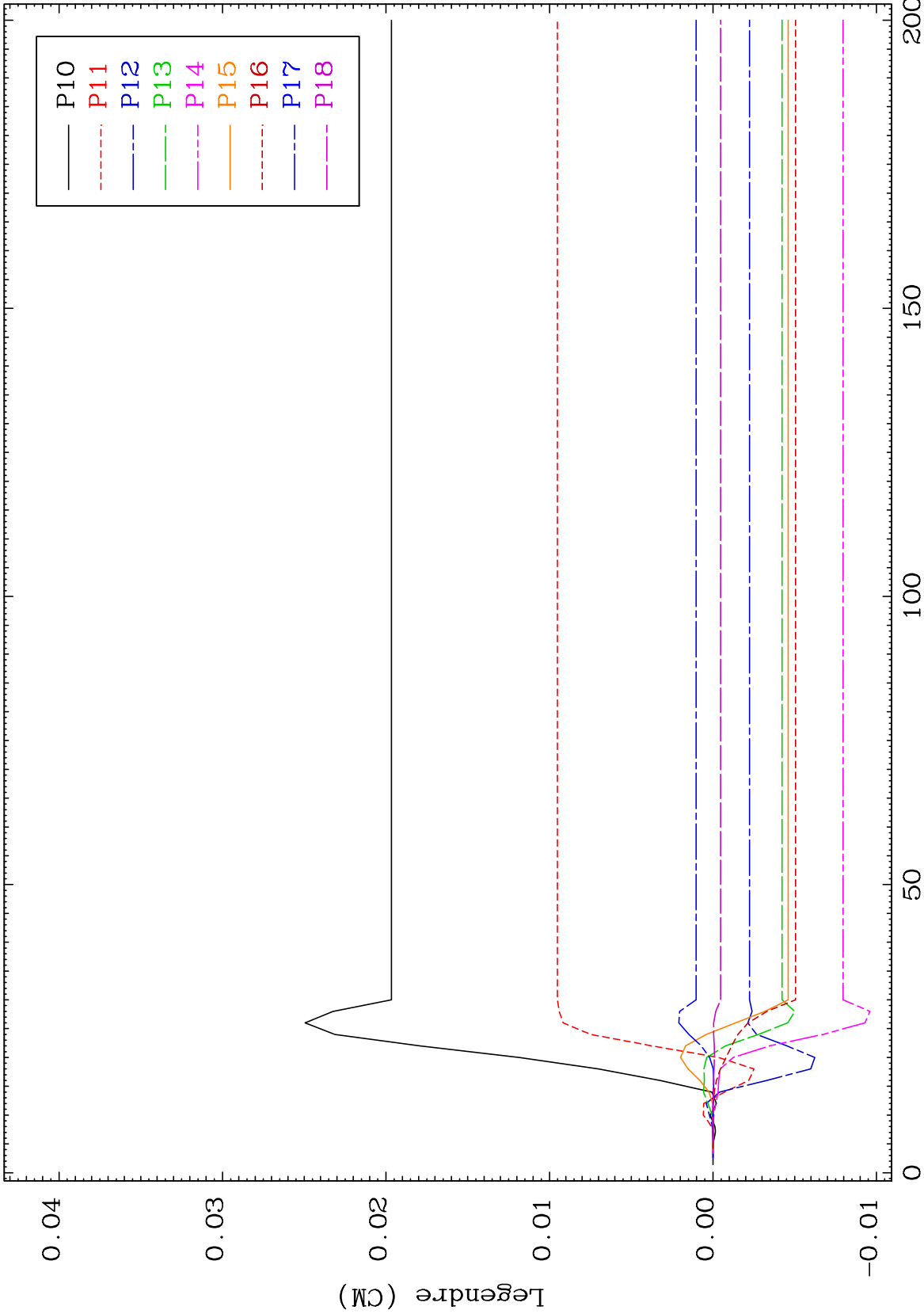
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



63

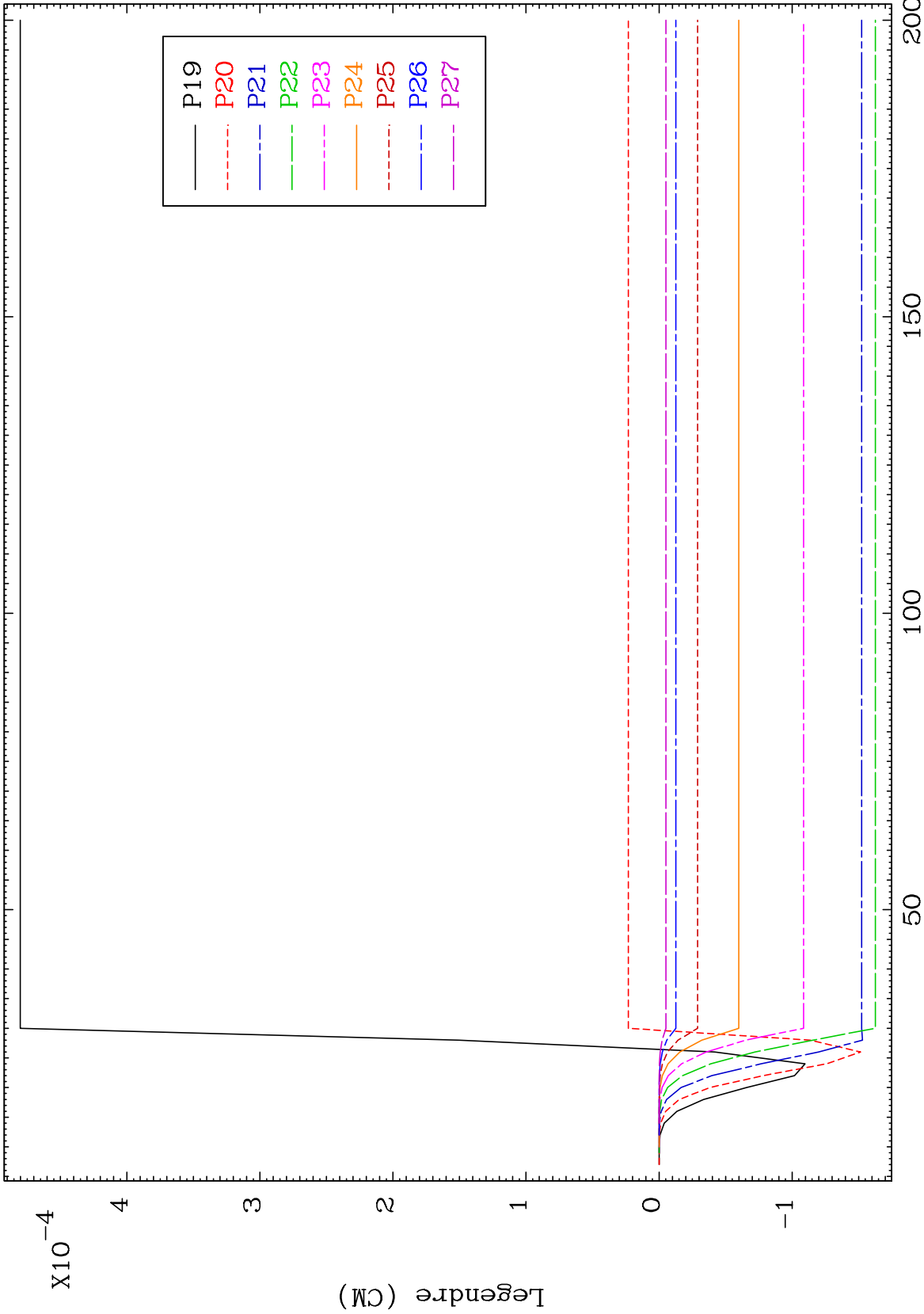
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



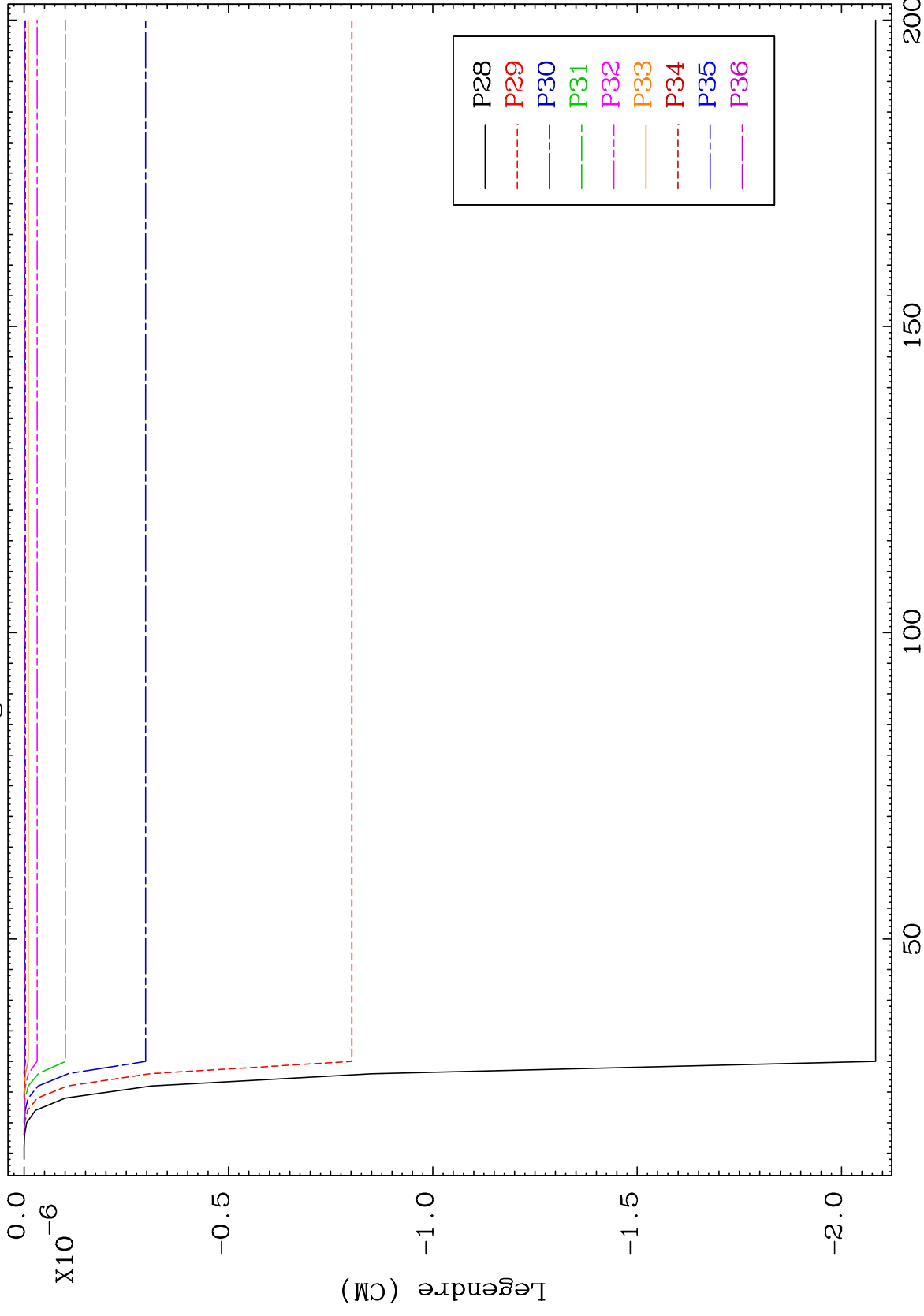
64

62-Sm-152

MAT 6249

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

62-Sm-152



62-Sm-152

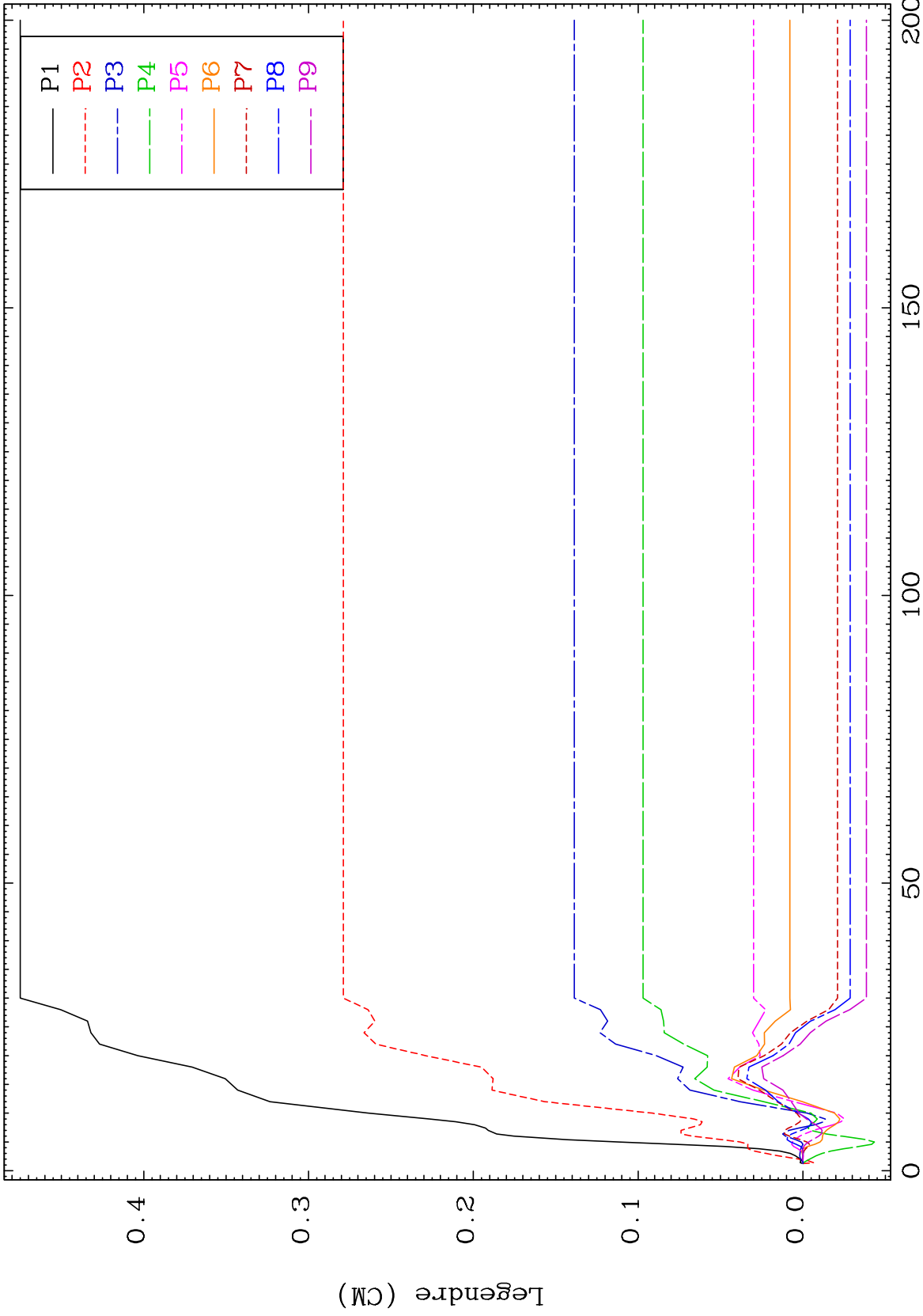
Incident Energy (MeV)

65

MAT 6249

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

62-Sm-152



66

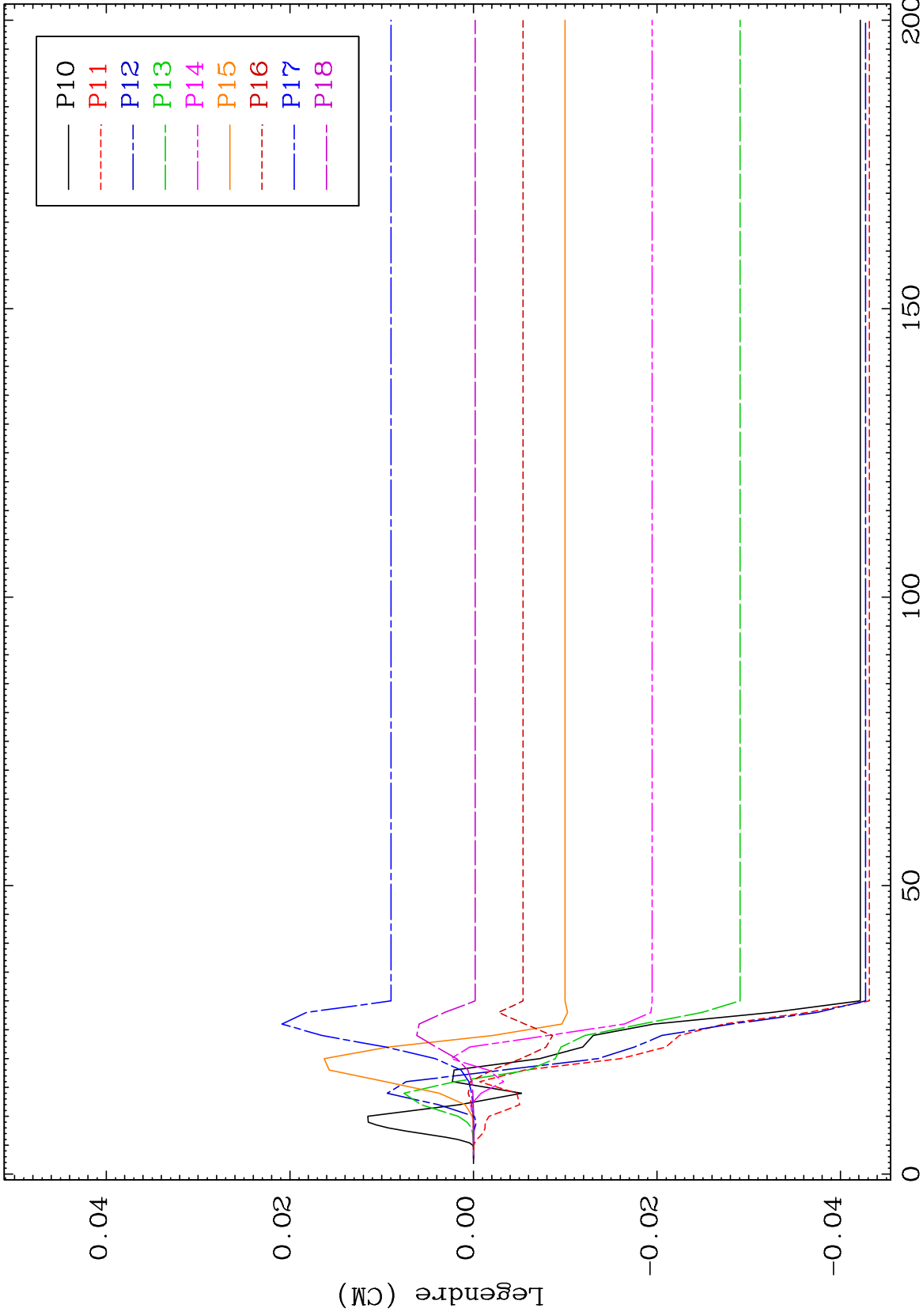
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



67

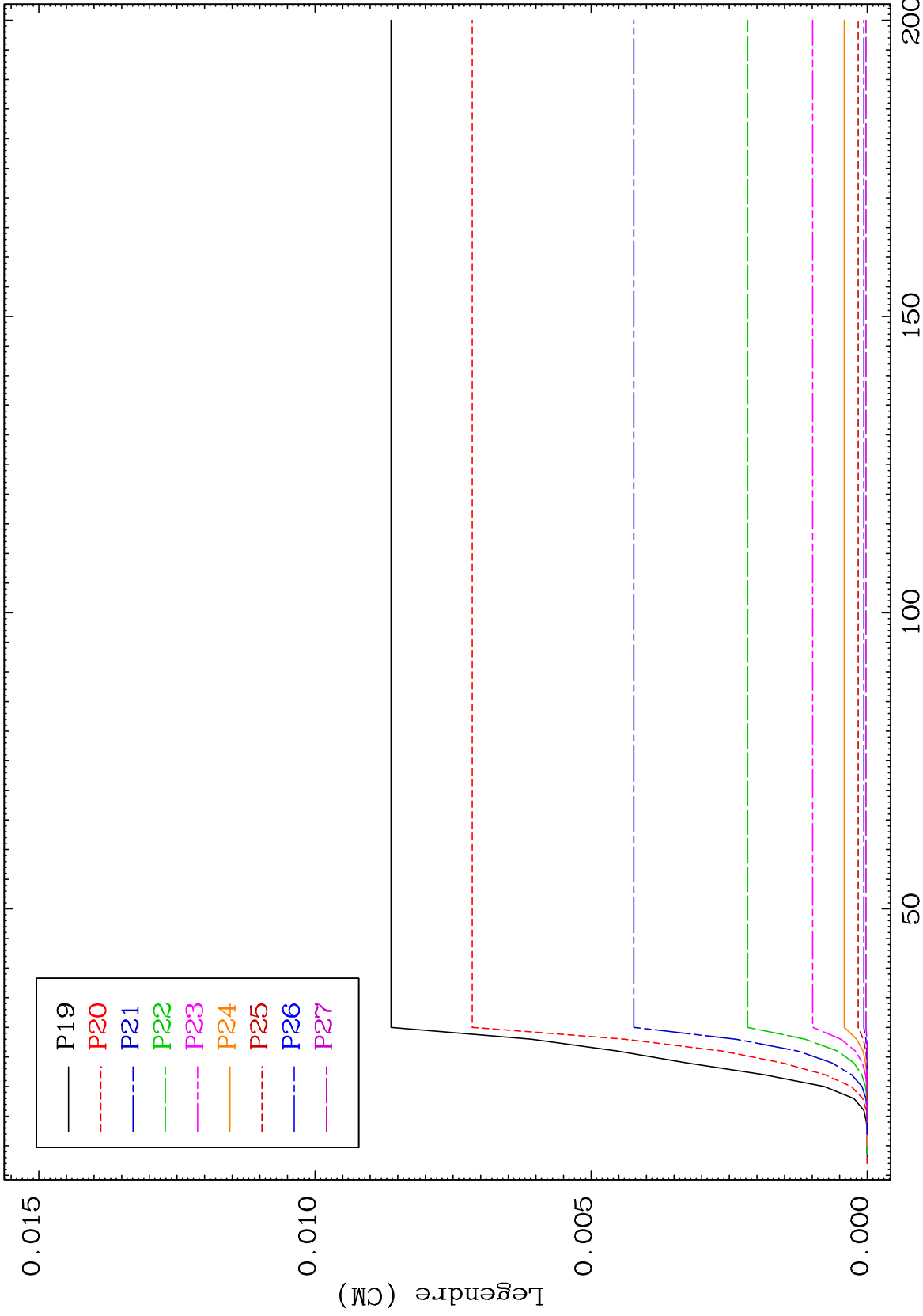
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



68

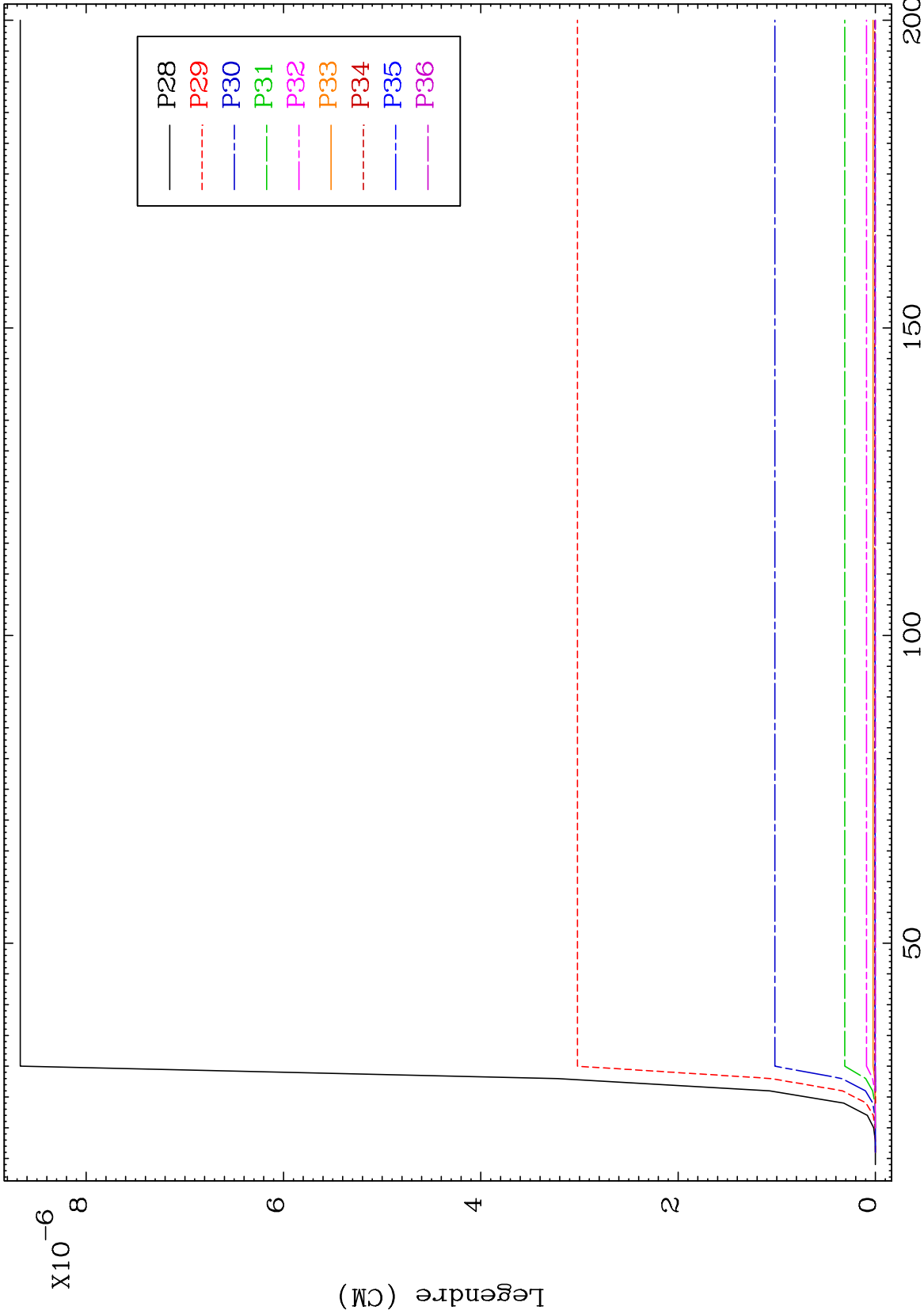
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



69

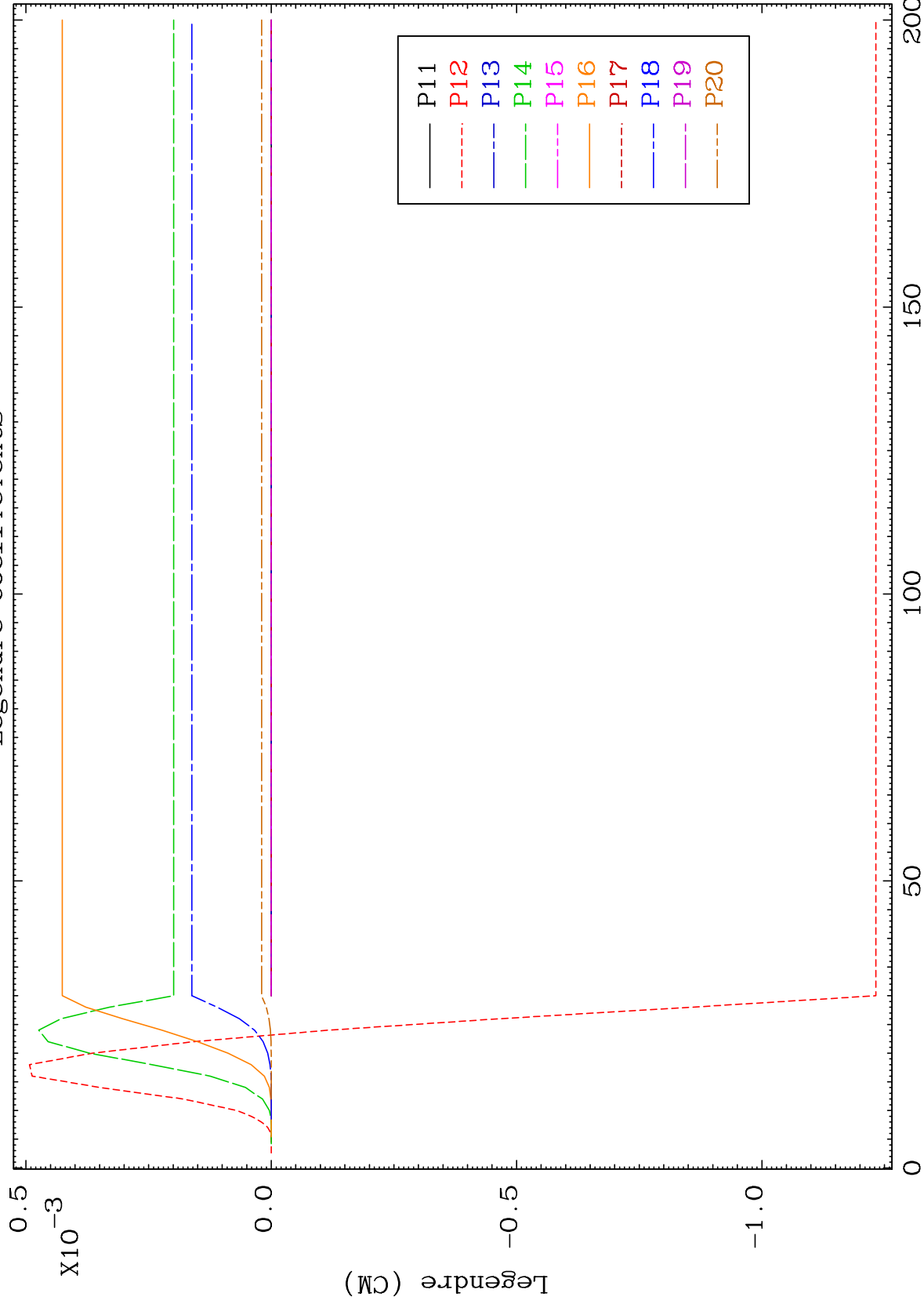
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



71

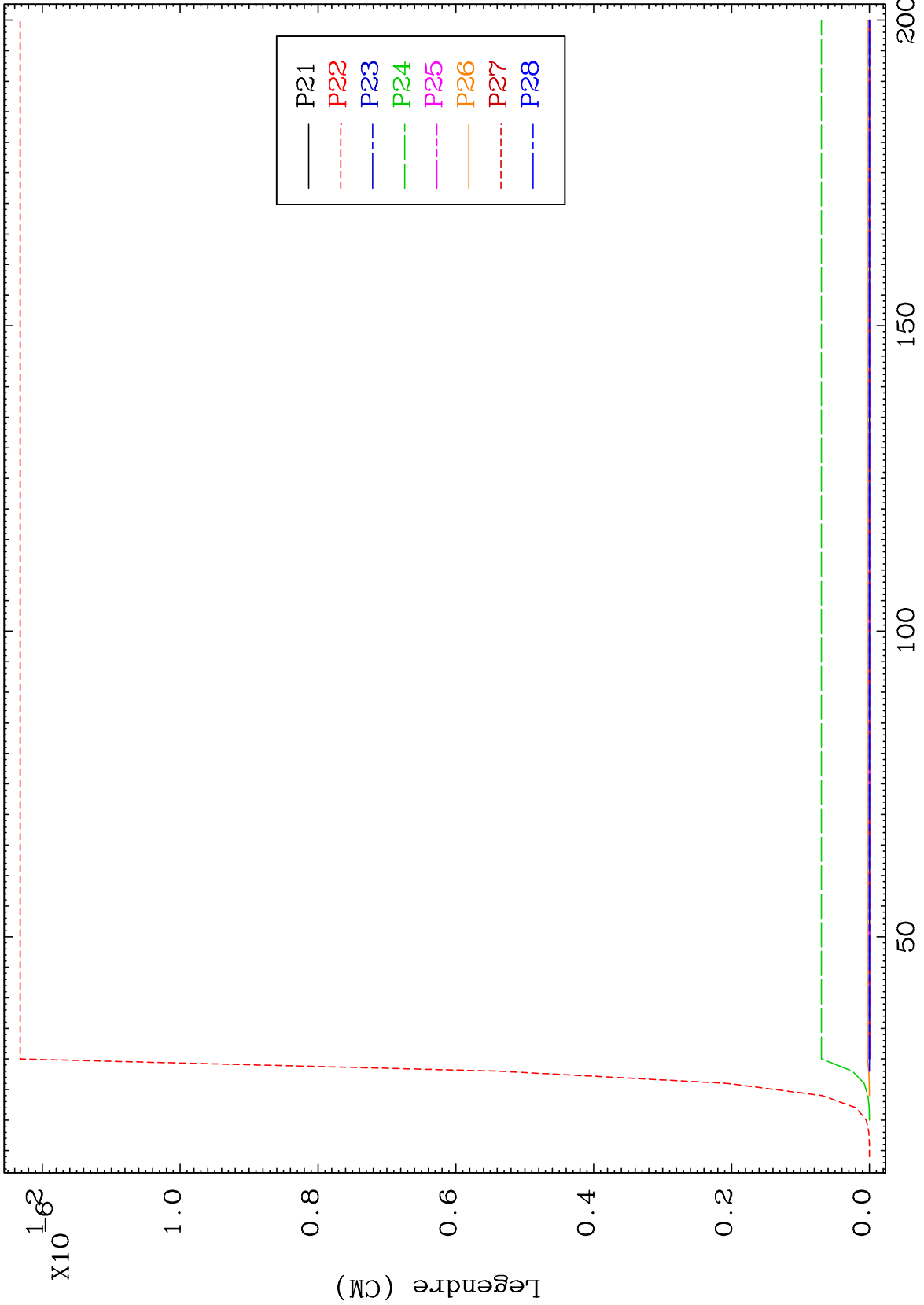
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

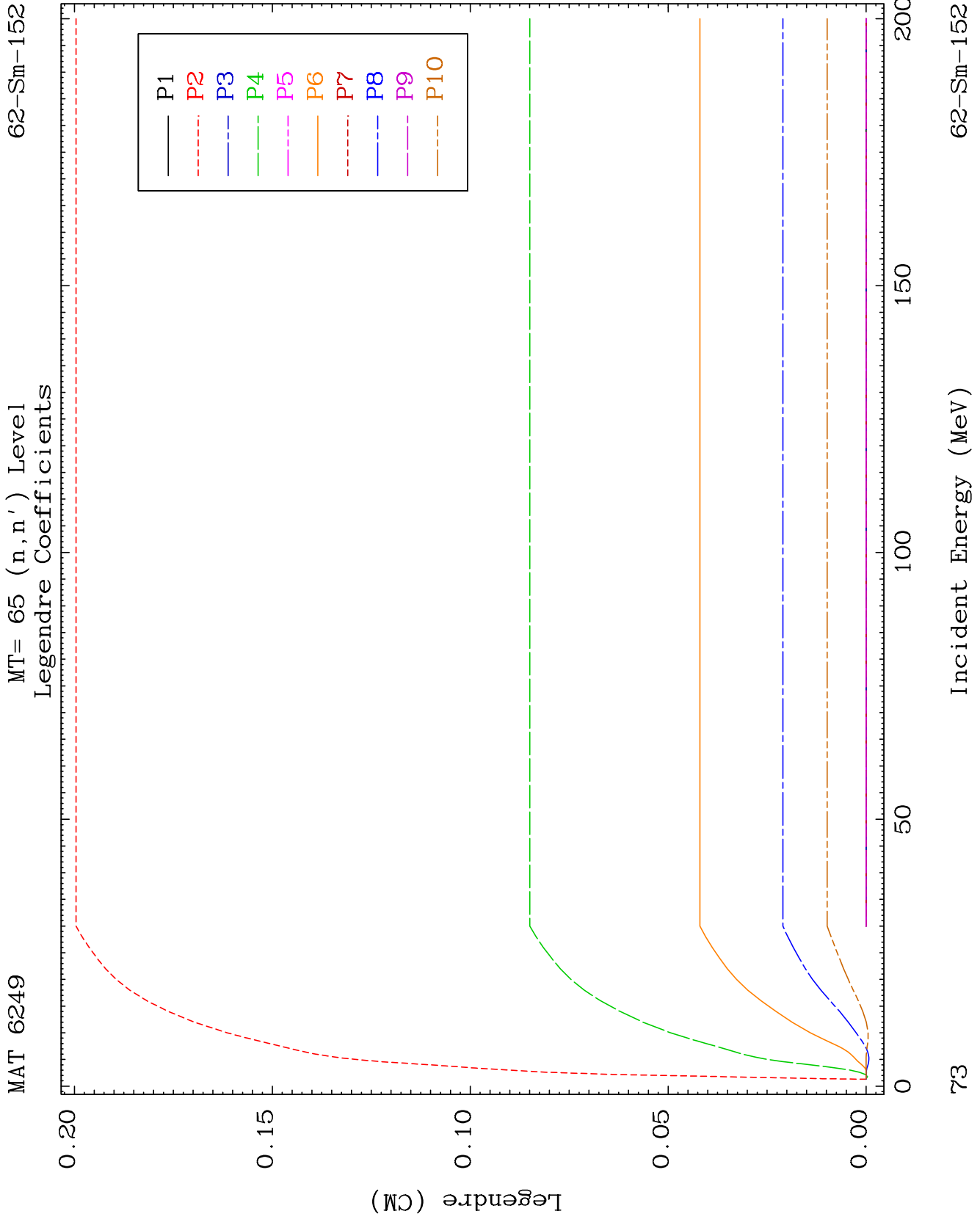
62-Sm-152



72

Incident Energy (MeV)

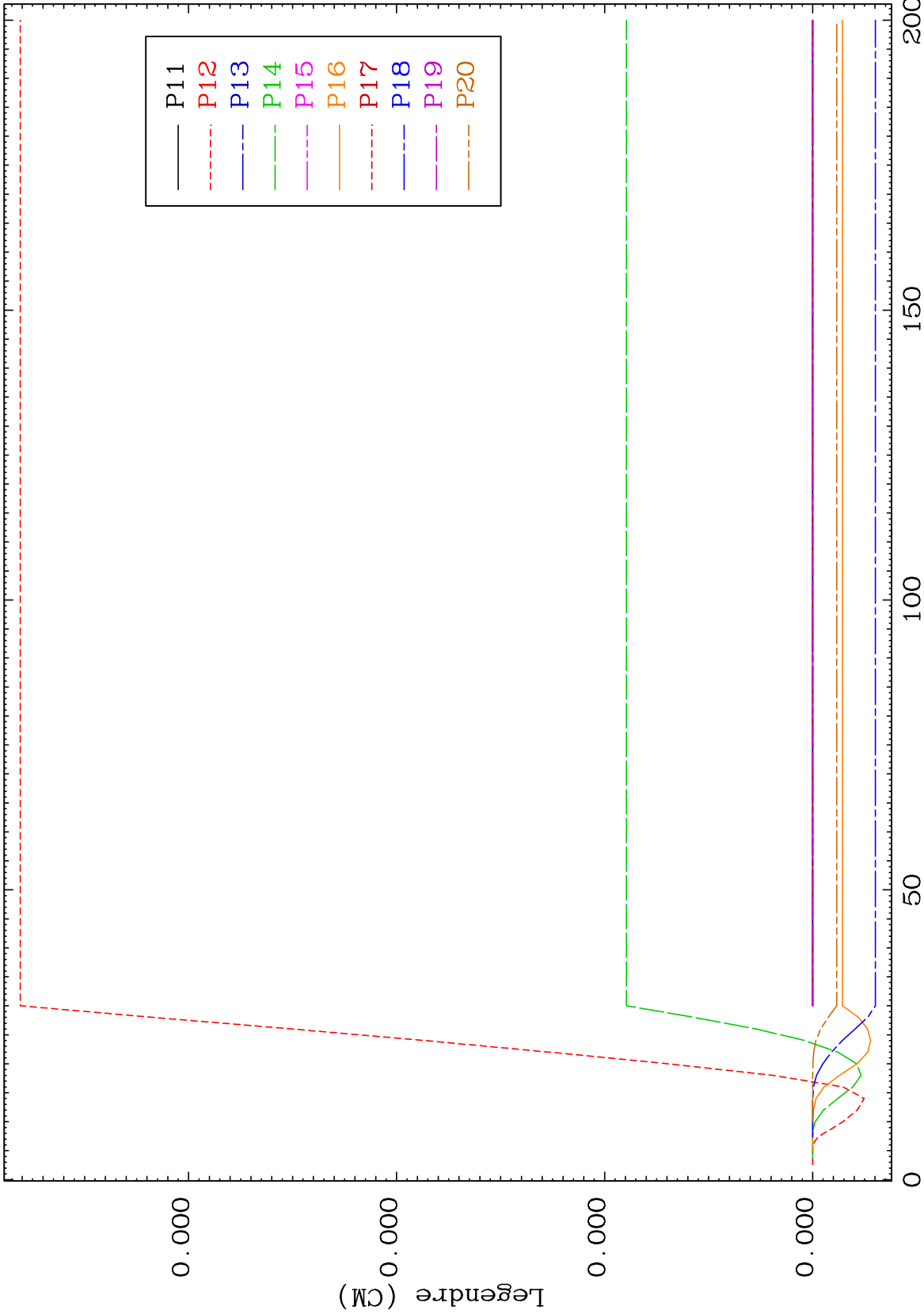
62-Sm-152



MAT 6249

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

62-Sm-152

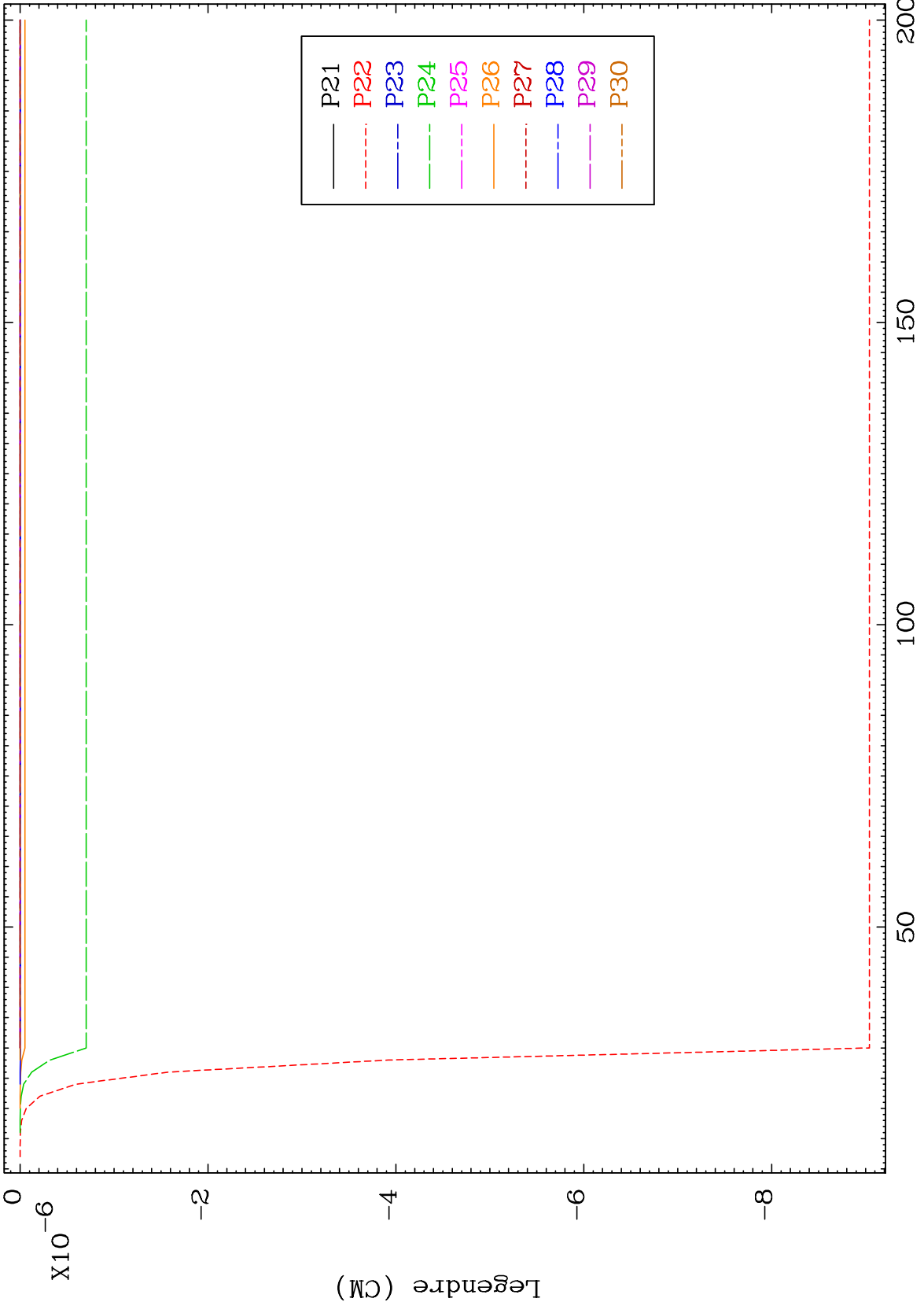


74

Incident Energy (MeV)

62-Sm-152

MAT 6249 MT= 65 (n,n') Level Legendre Coefficients 62-Sm-152

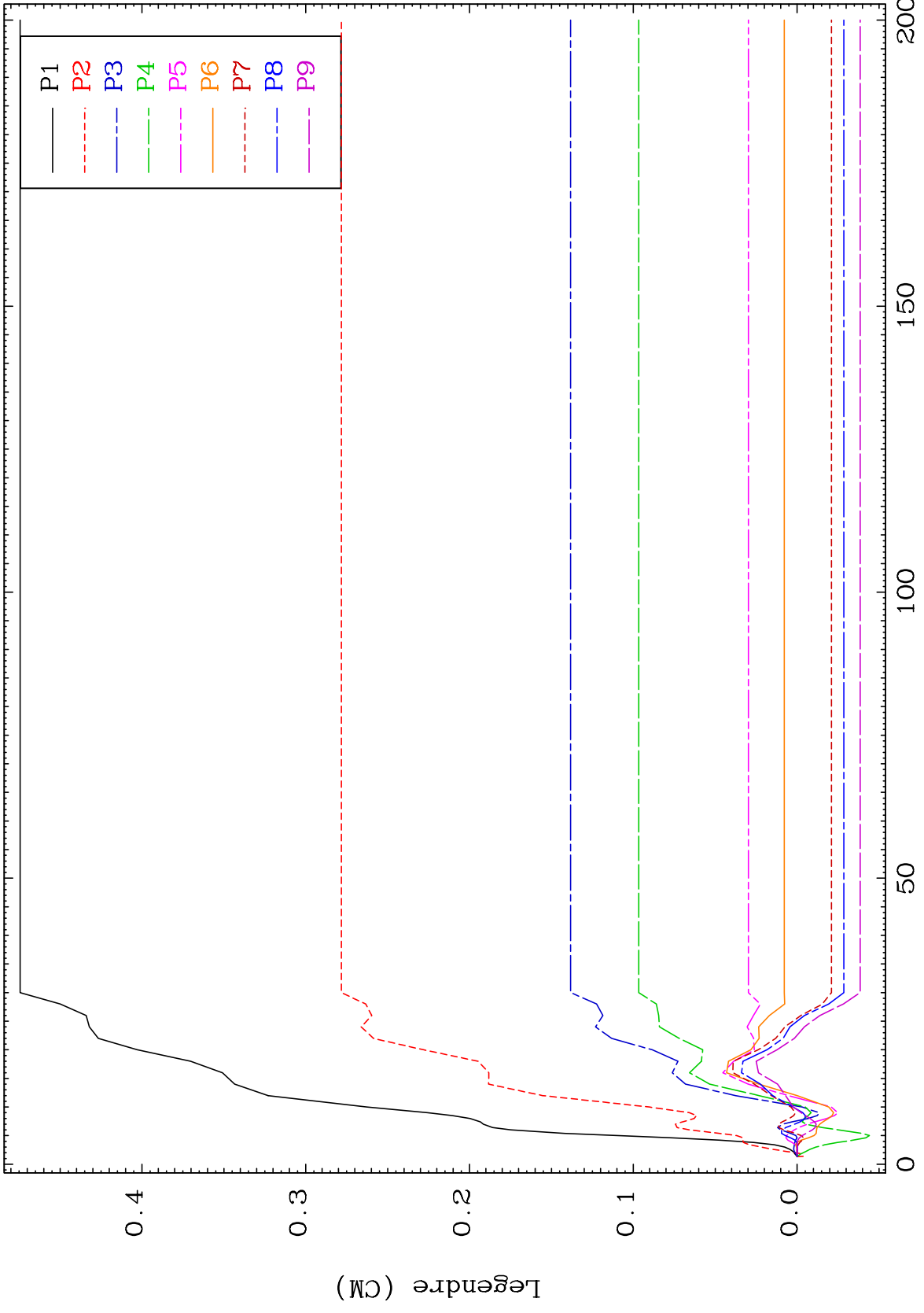


75 Incident Energy (MeV) 62-Sm-152

MAT 6249

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

62-Sm-152



76

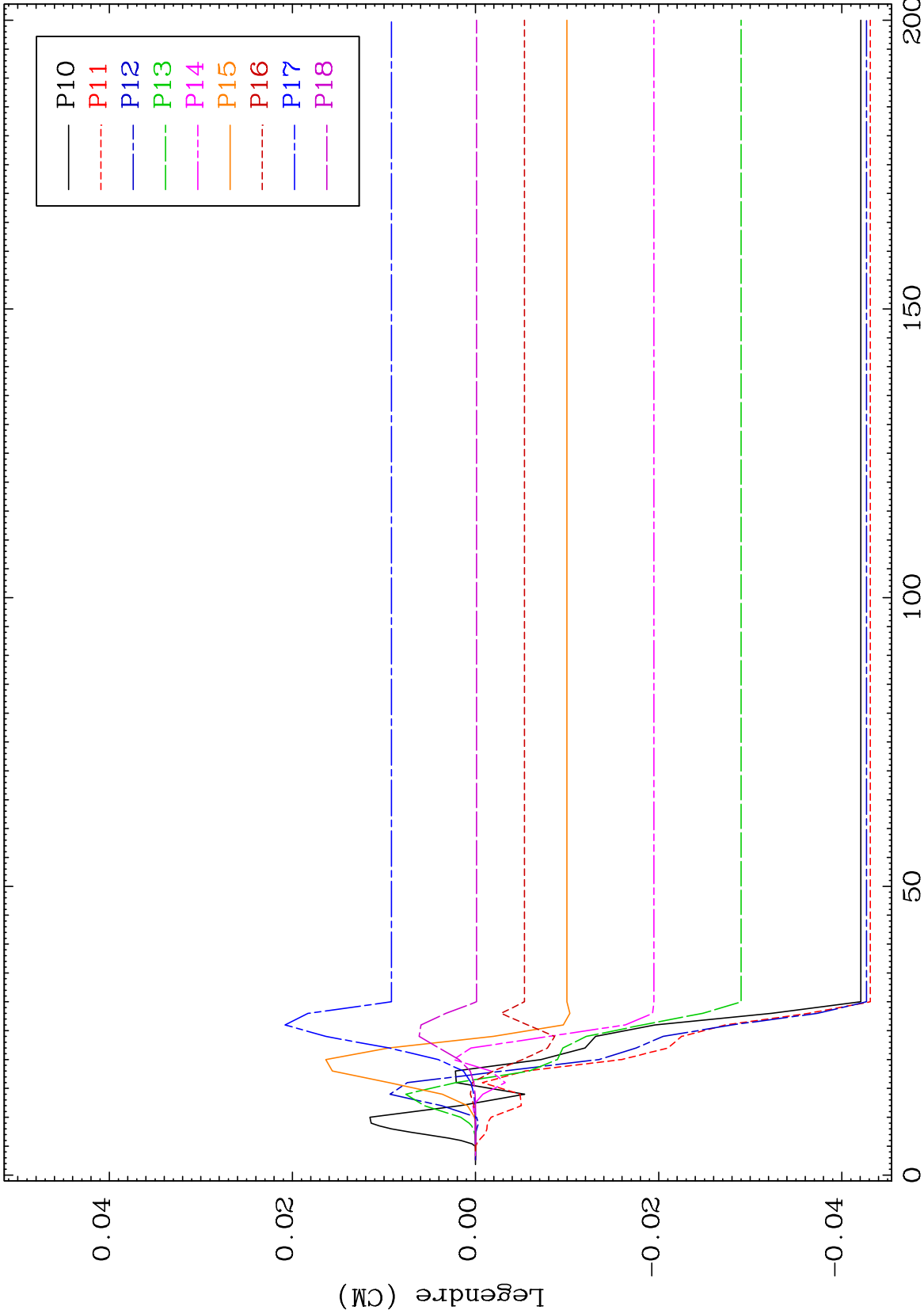
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



77

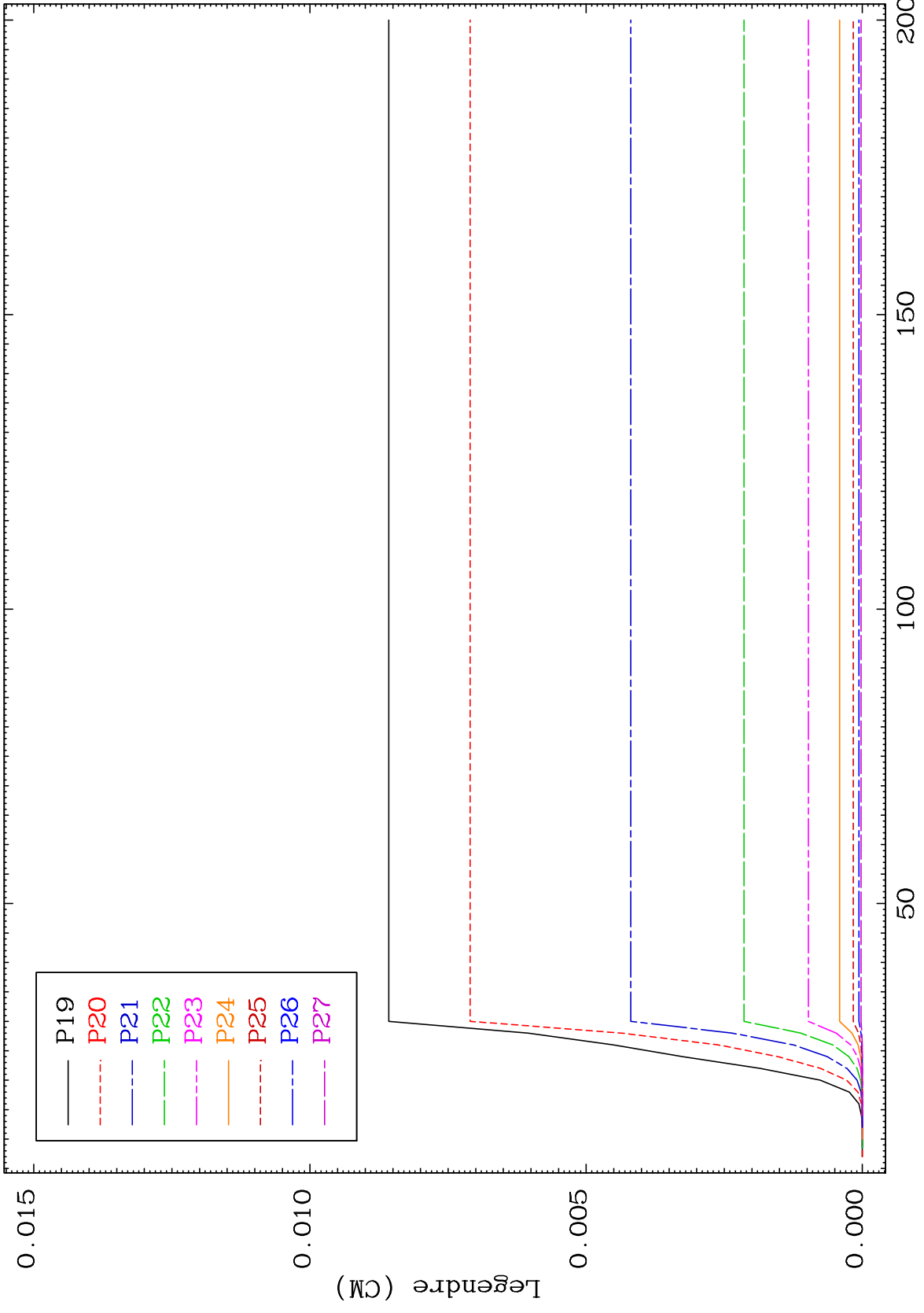
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



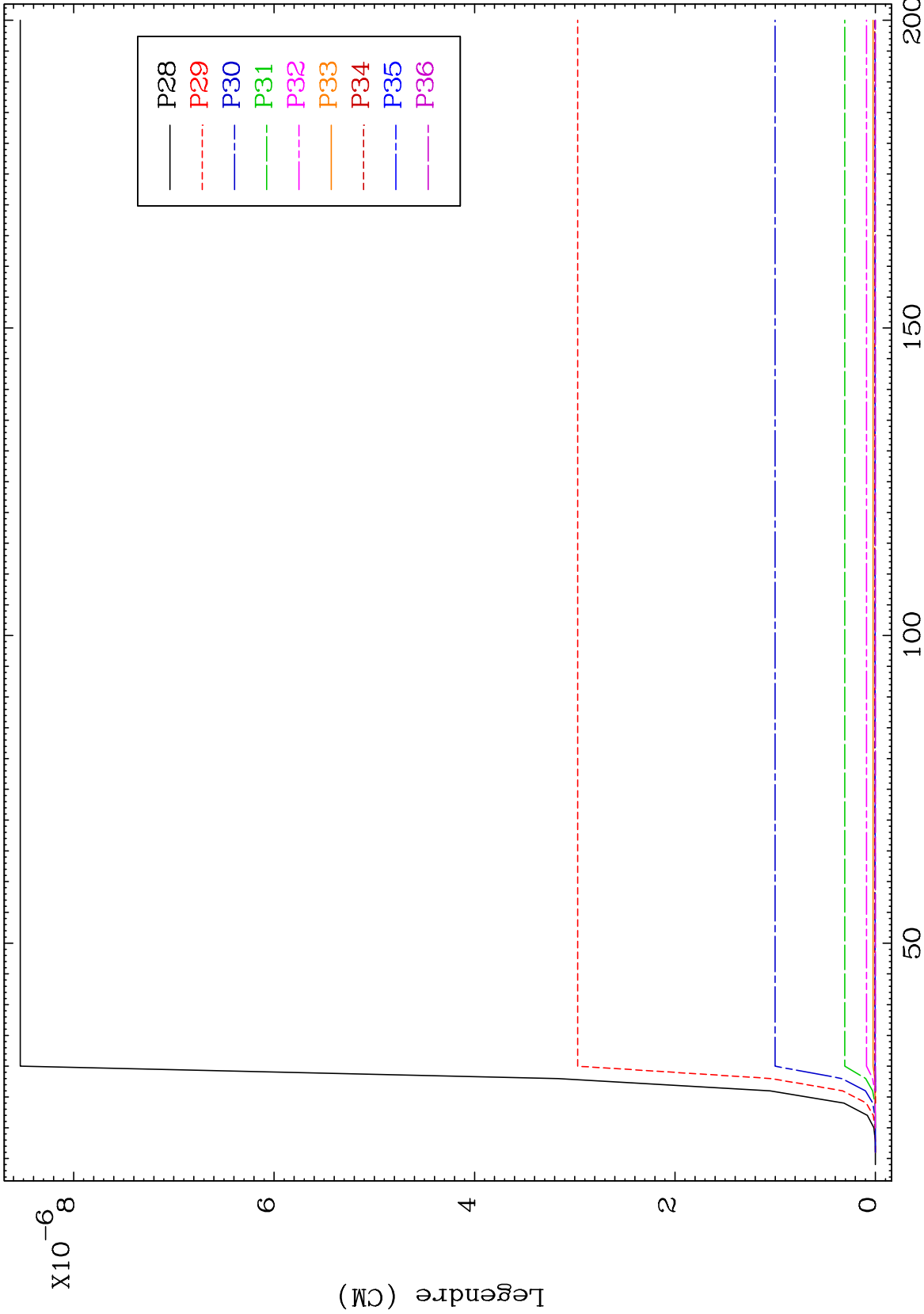
78

62-Sm-152

MAT 6249

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

62-Sm-152



79

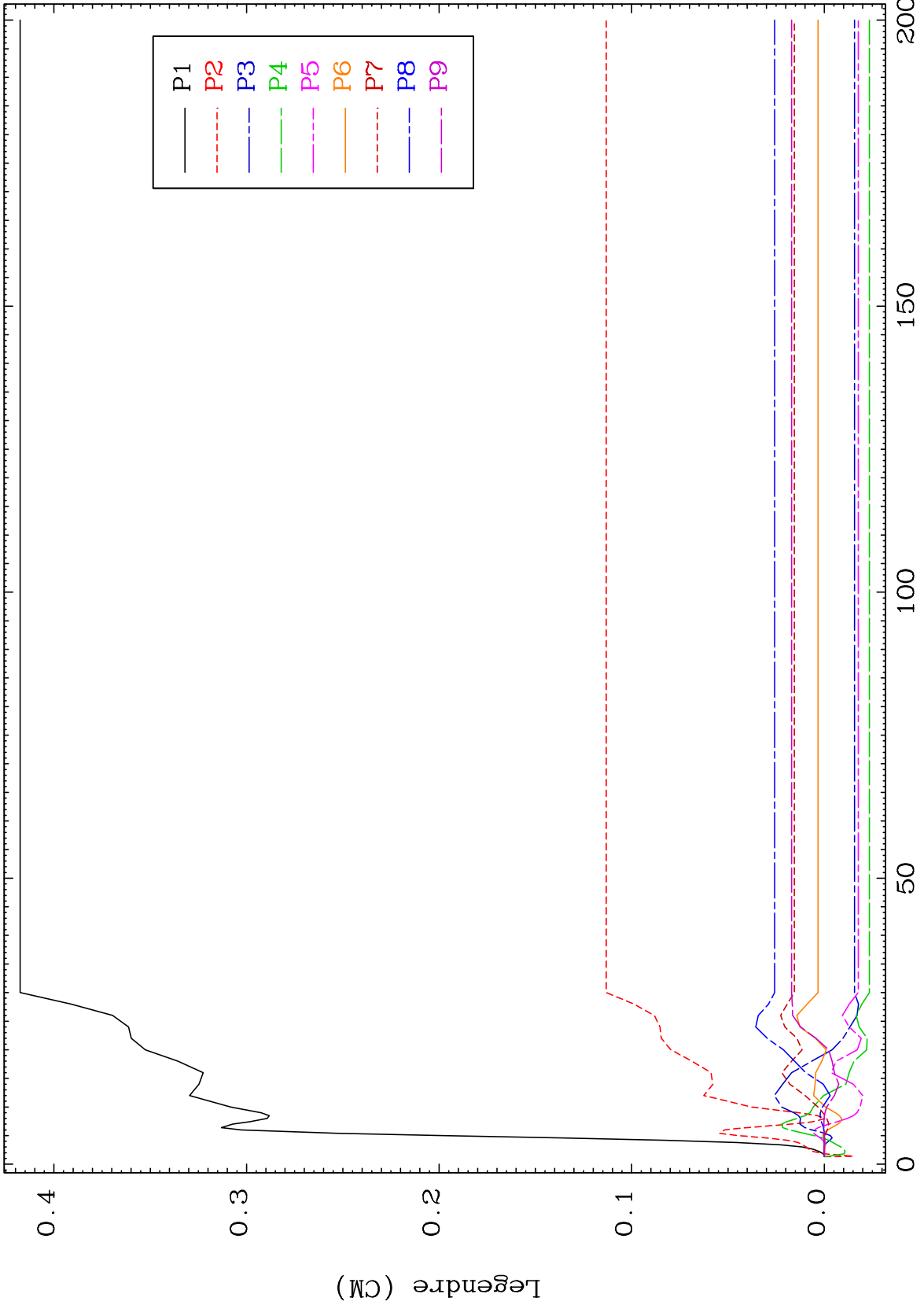
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



80

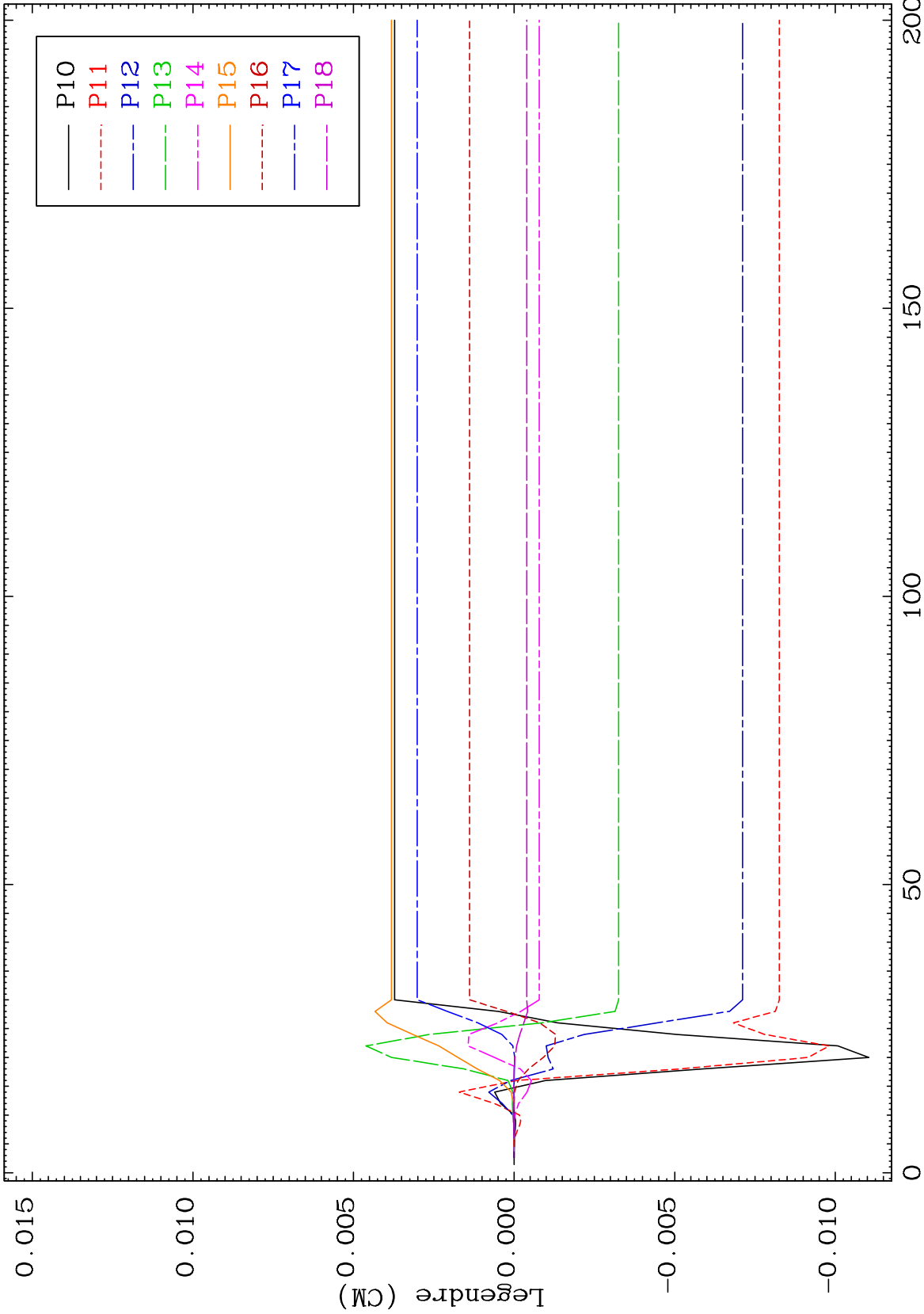
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



81

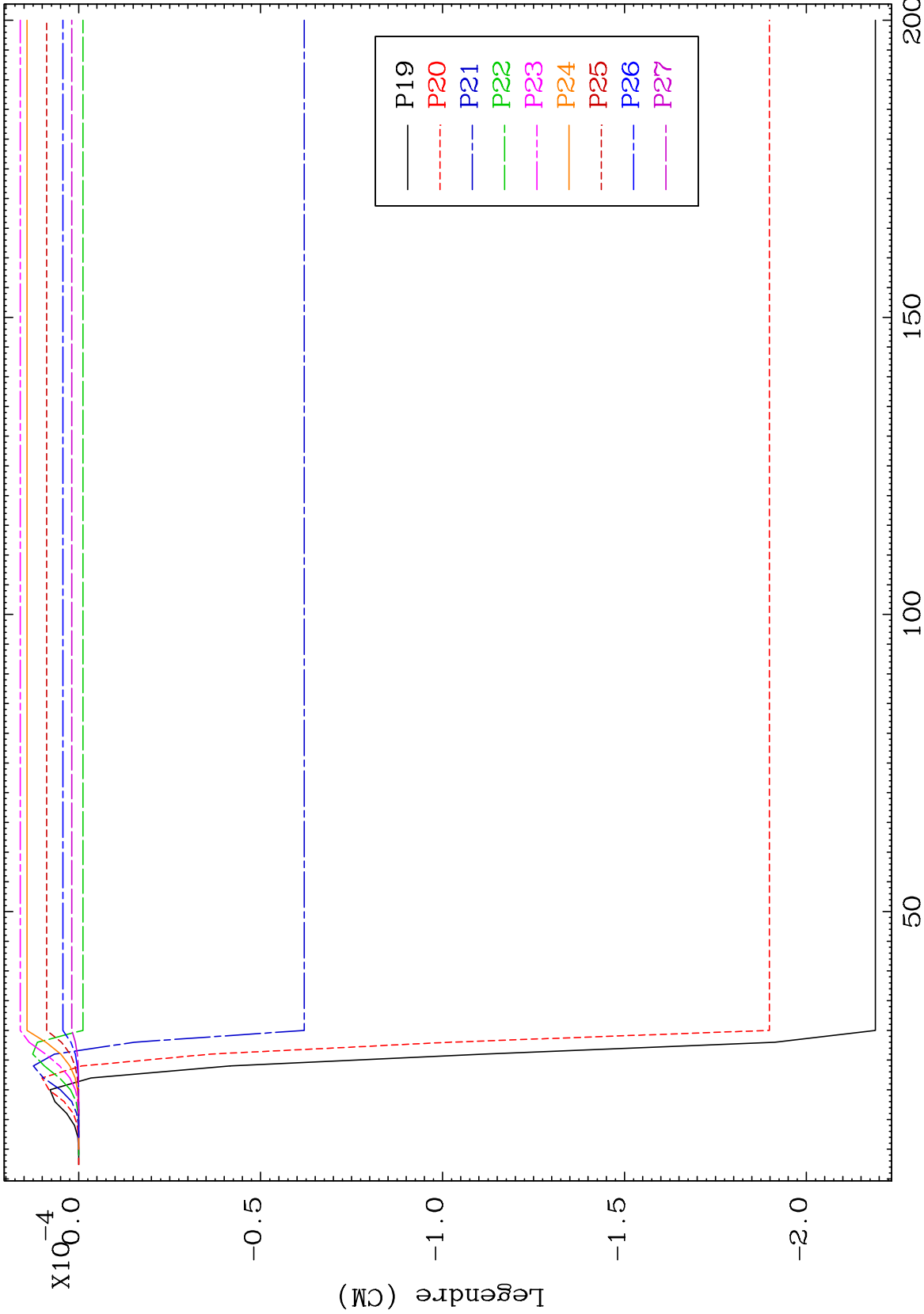
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



62-Sm-152

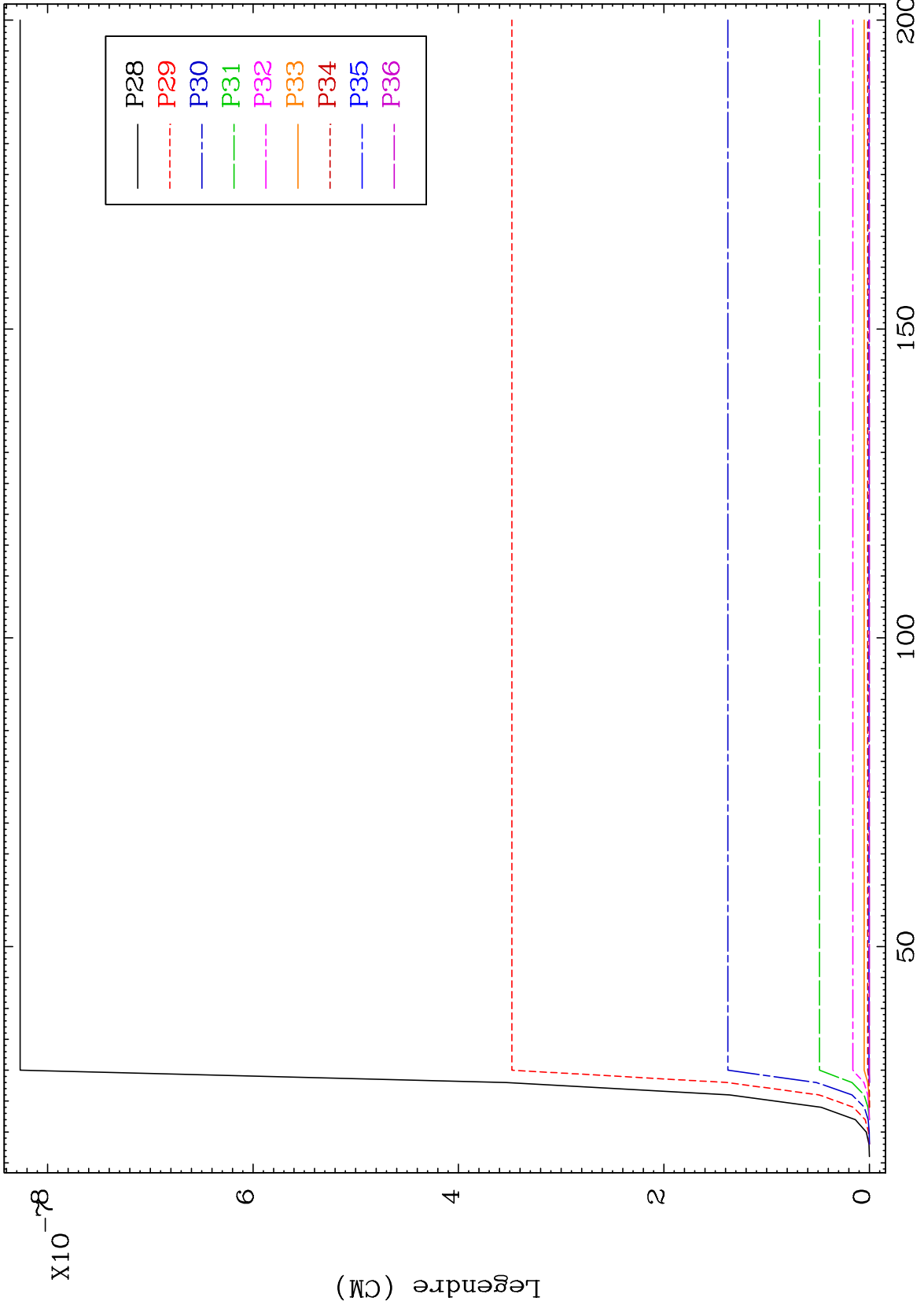
Incident Energy (MeV)

82

MAT 6249

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

62-Sm-152



83

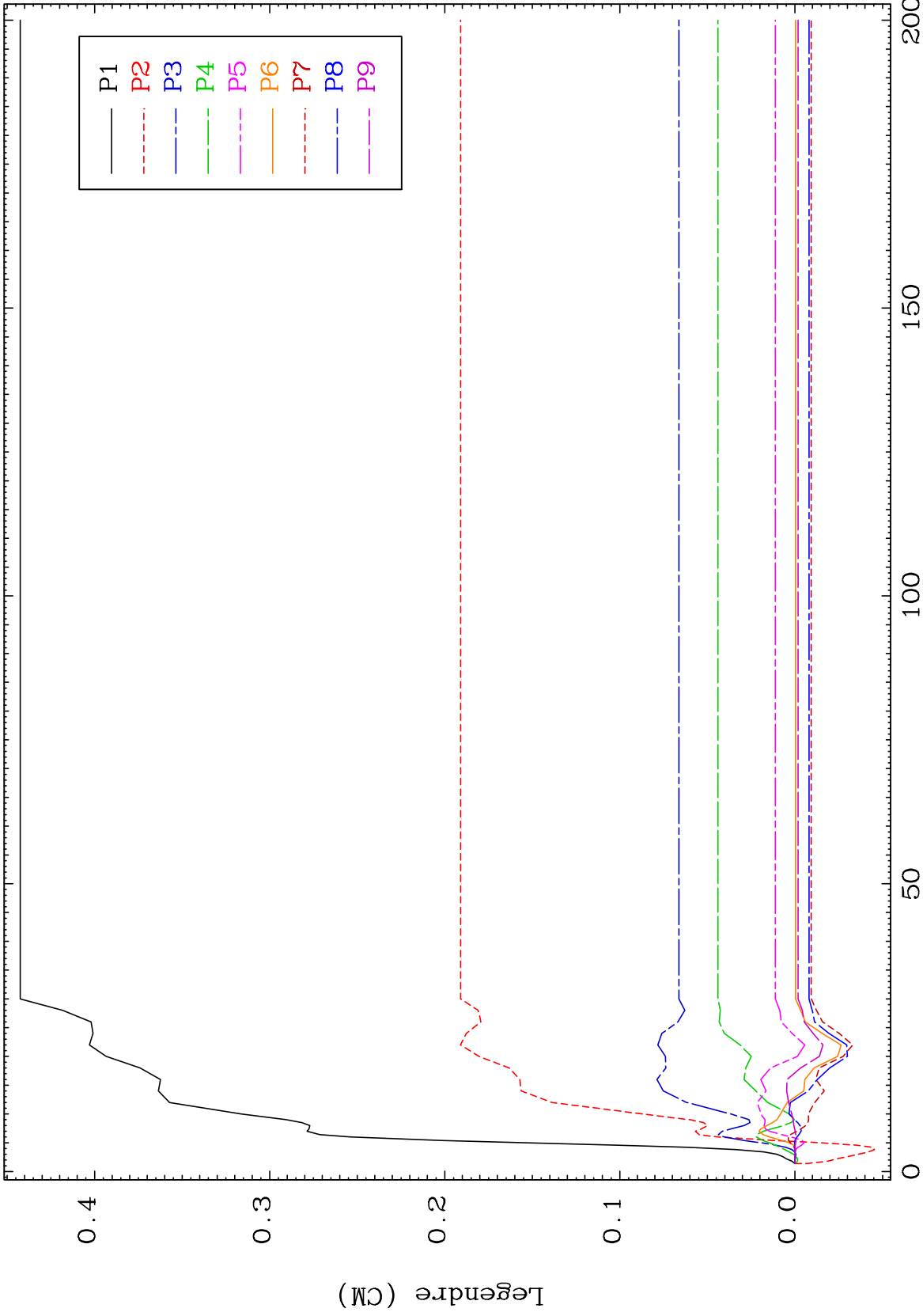
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152

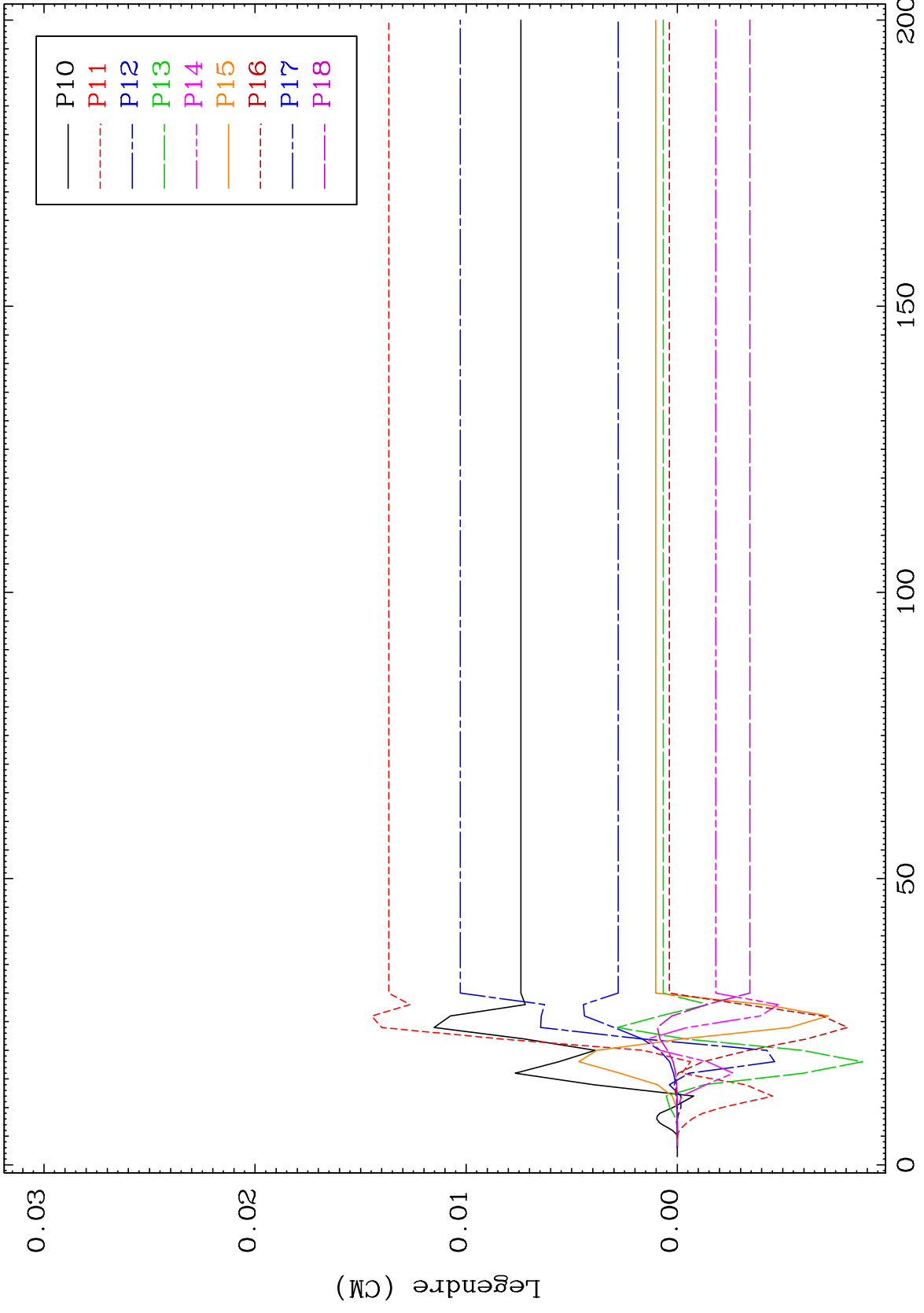


84

Incident Energy (MeV)

62-Sm-152

MAT 6249 MT= 68 (n,n') Level Legendre Coefficients 62-Sm-152

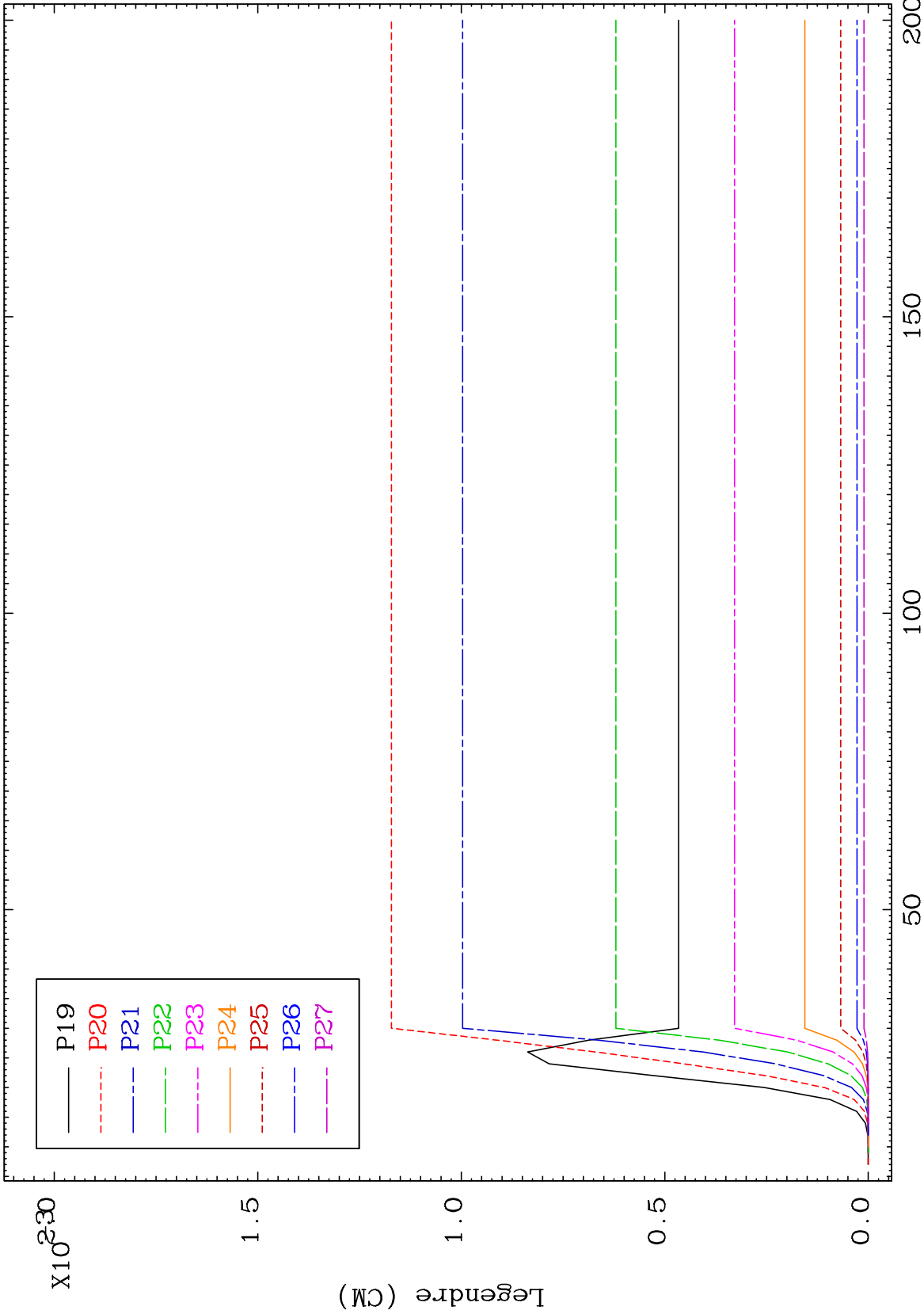


85 Incident Energy (MeV) 62-Sm-152

MAT 6249

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

62-Sm-152



86

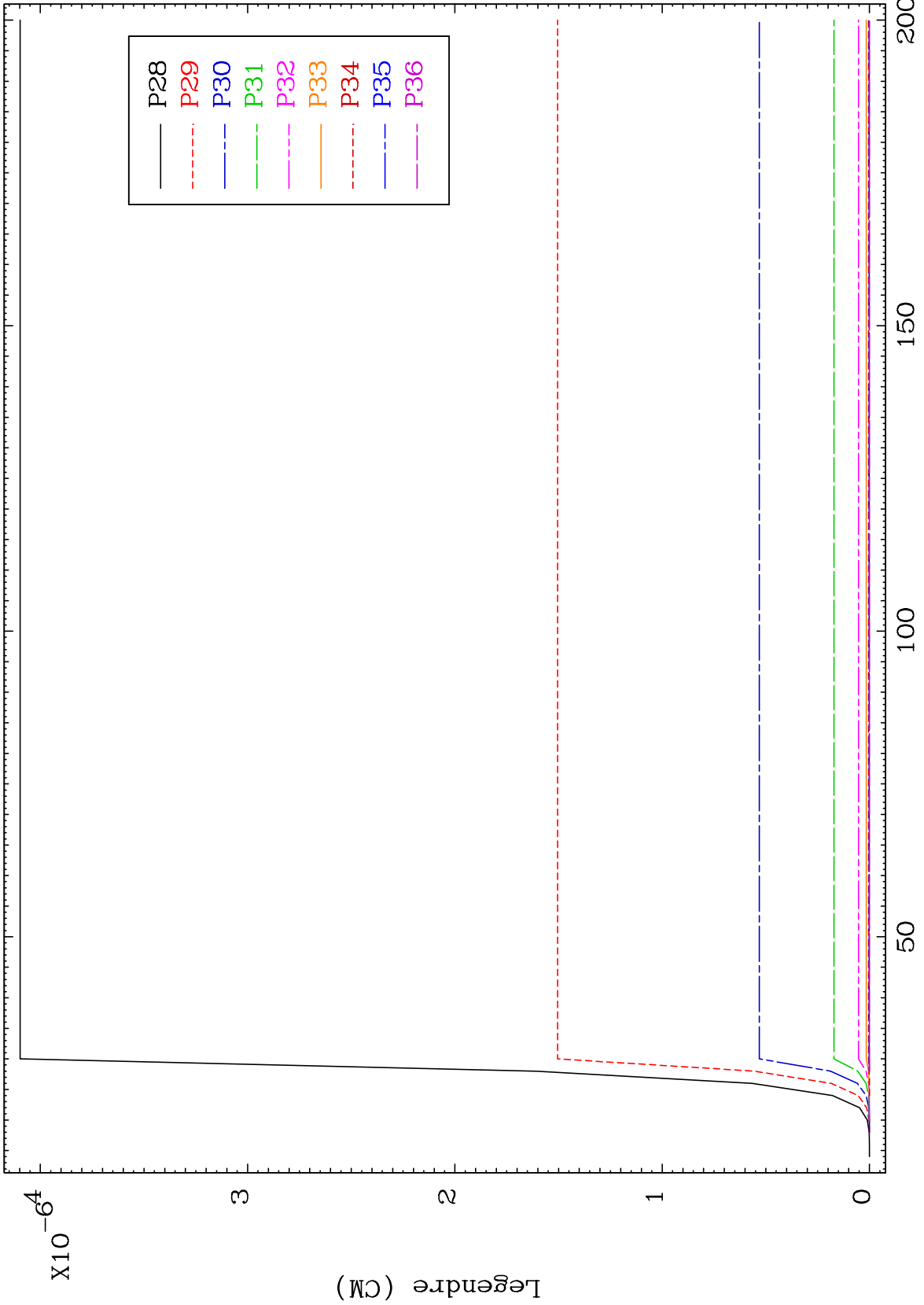
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



87

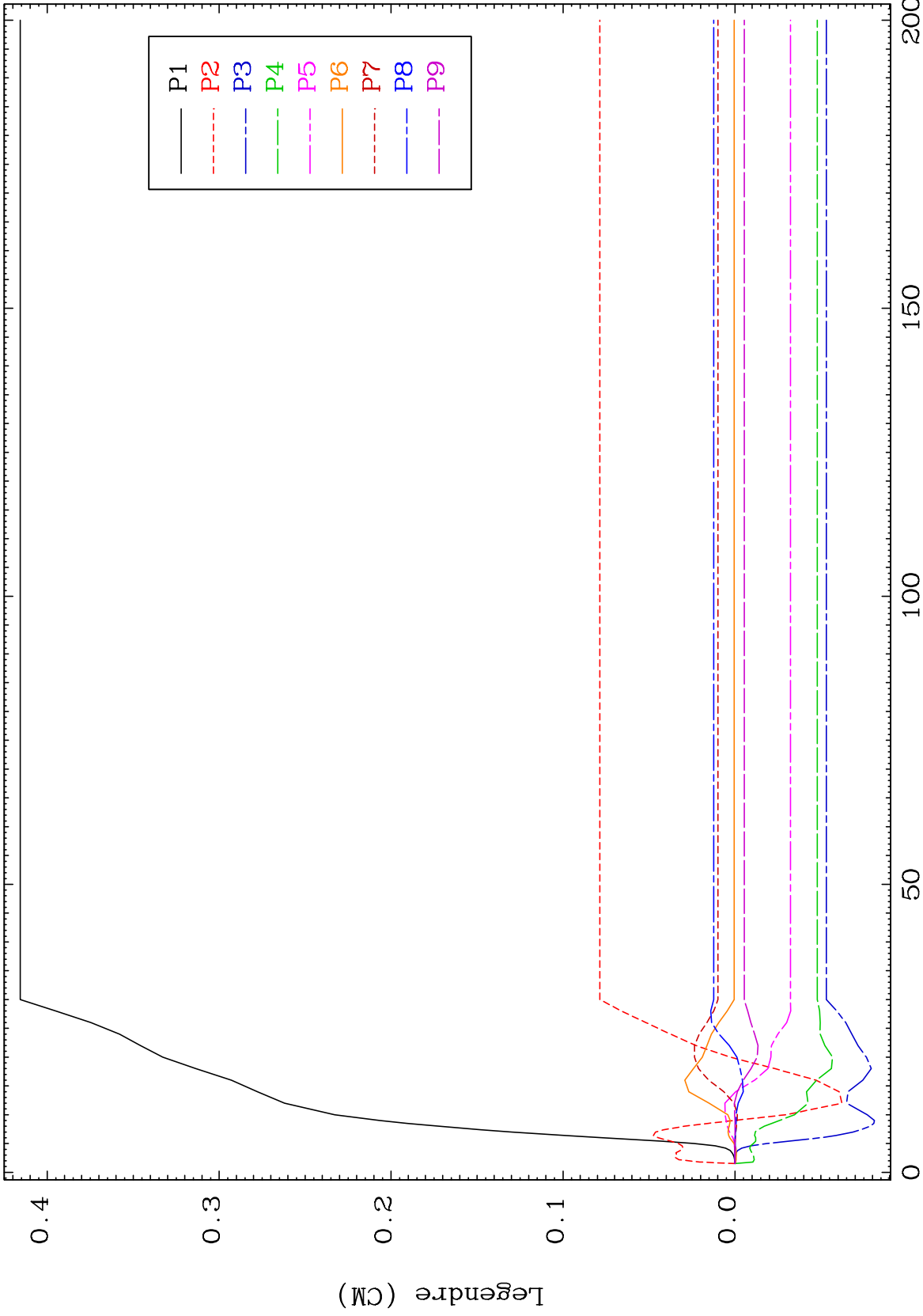
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



88

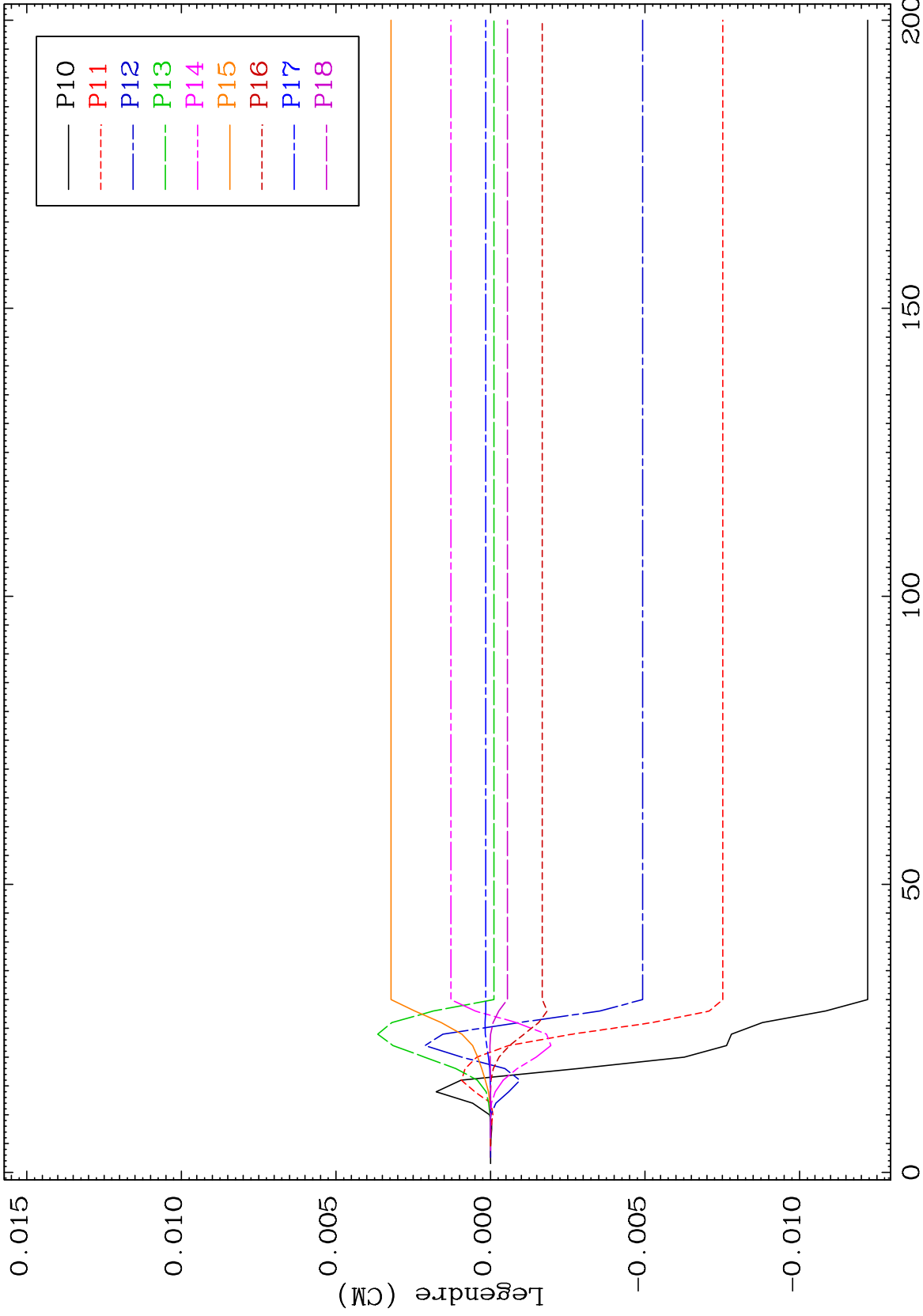
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



89

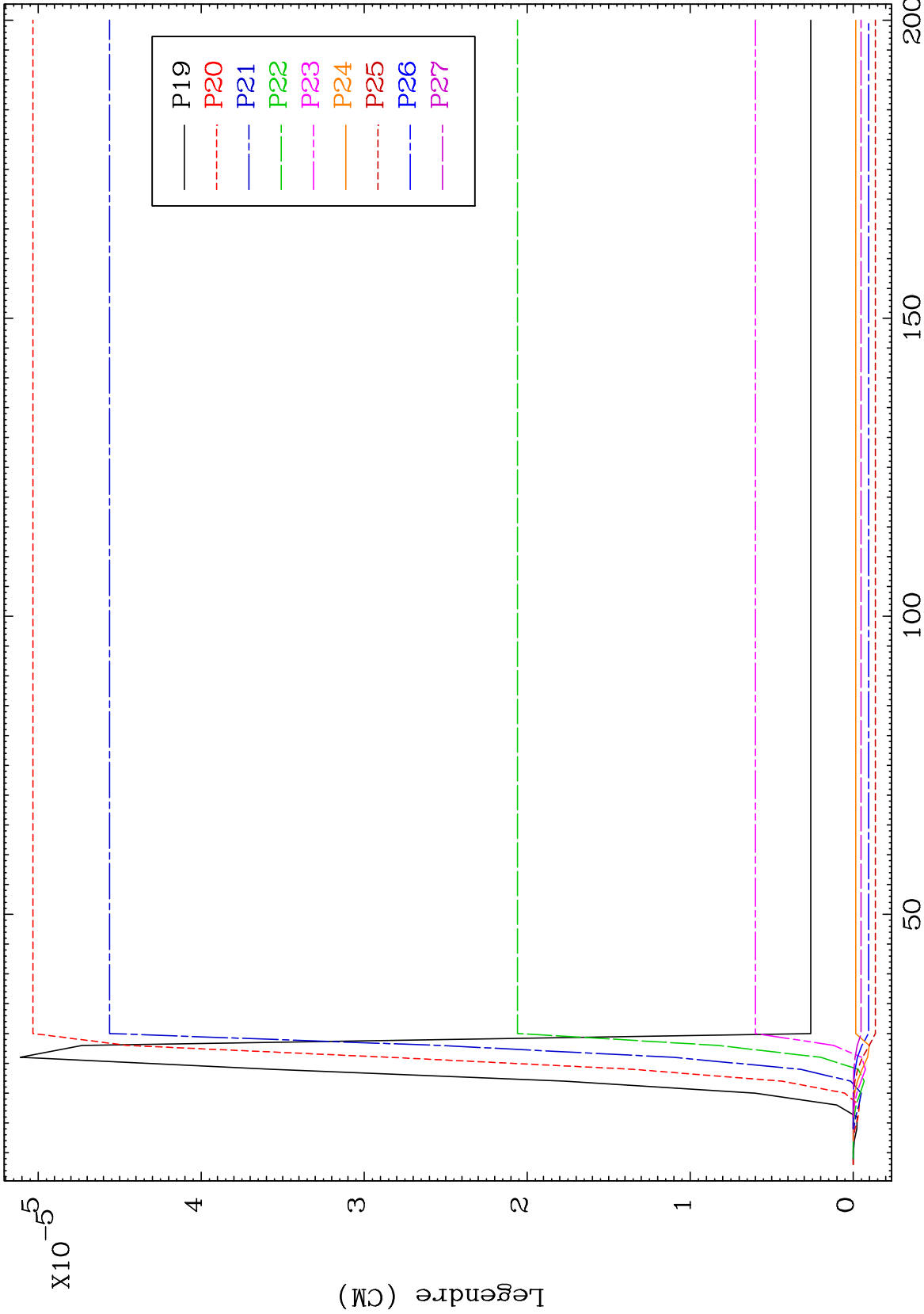
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

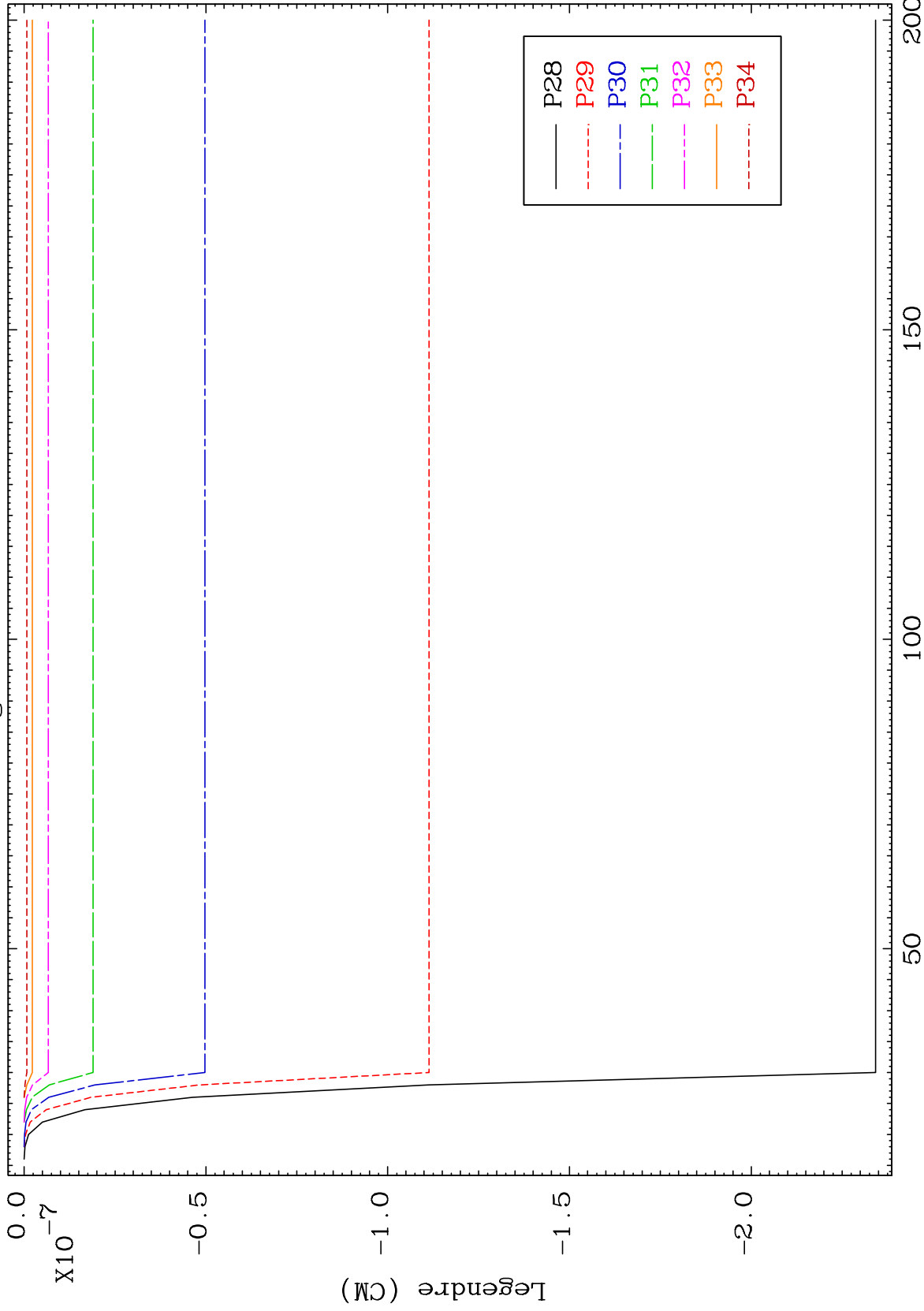
62-Sm-152



MAT 6249

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

62-Sm-152



62-Sm-152

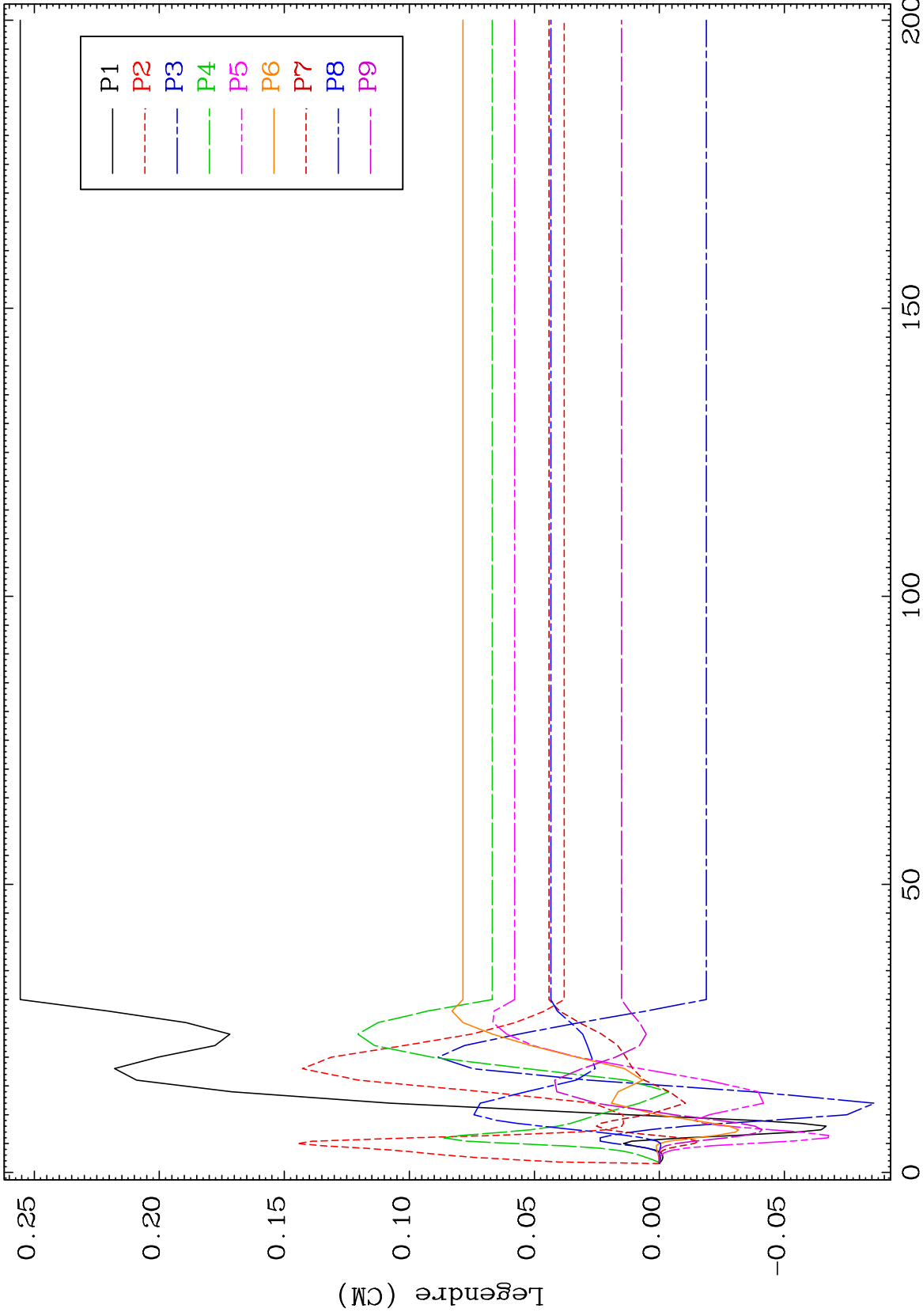
Incident Energy (MeV)

91

MAT 6249

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

62-Sm-152



92

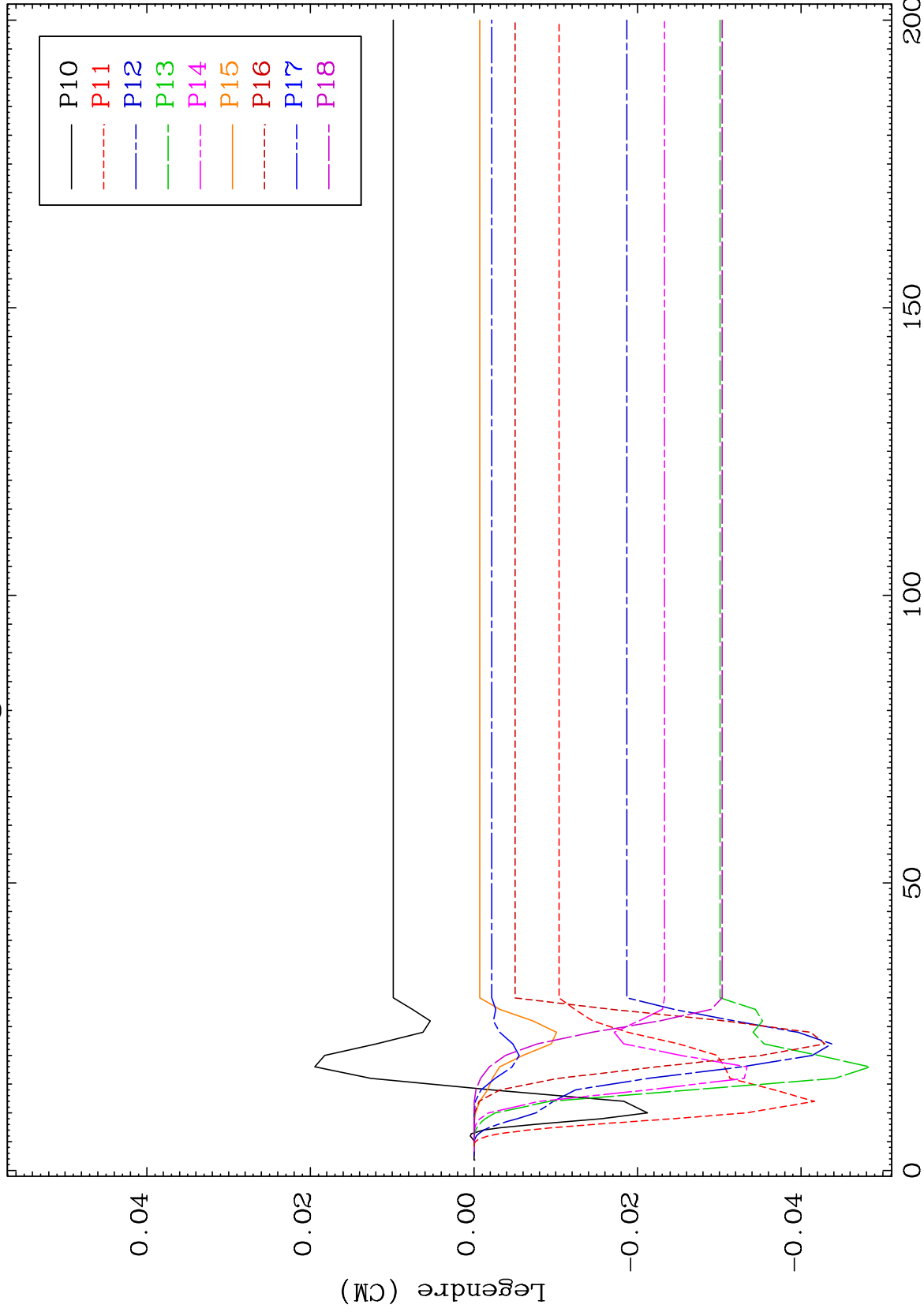
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



93

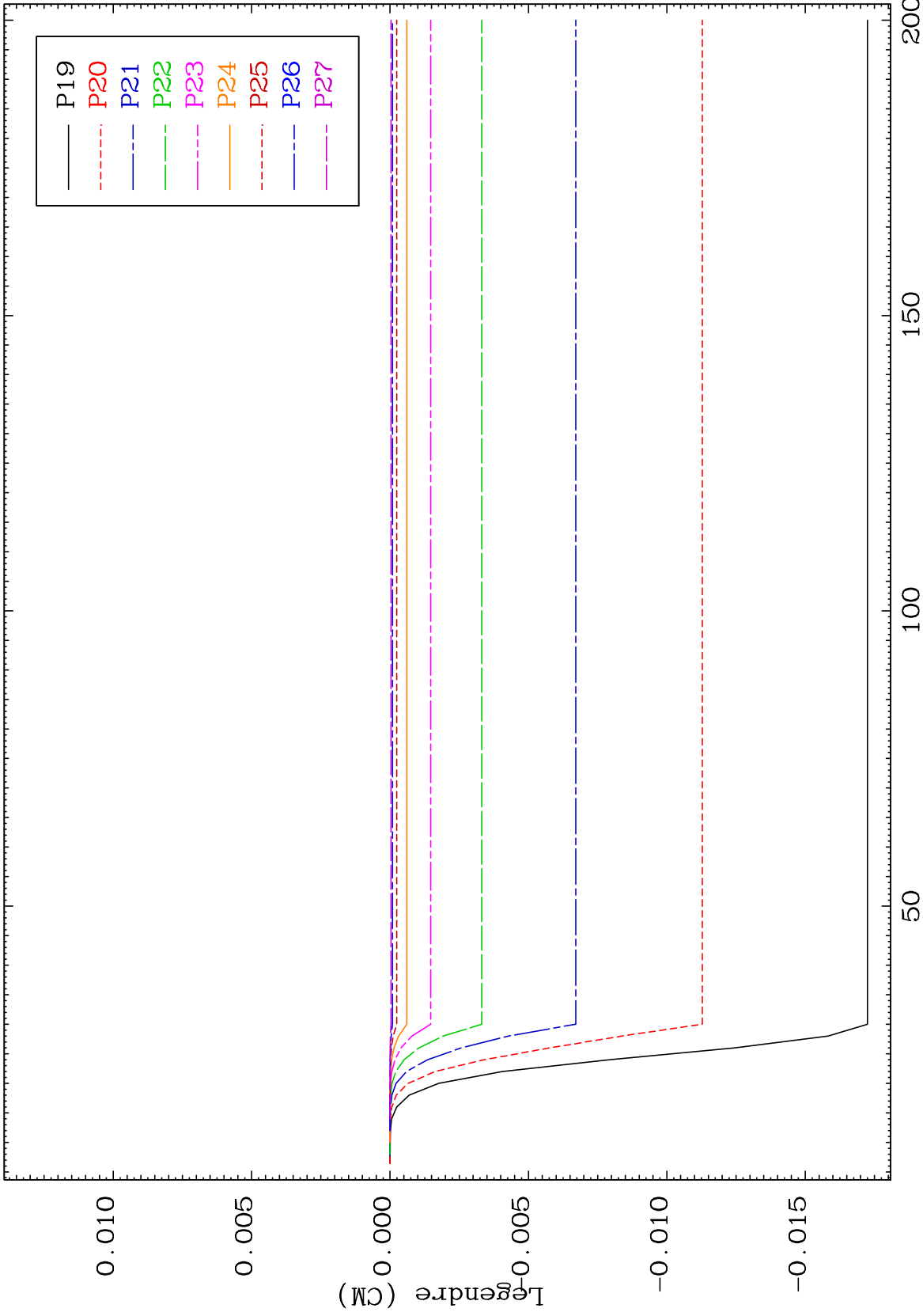
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



94

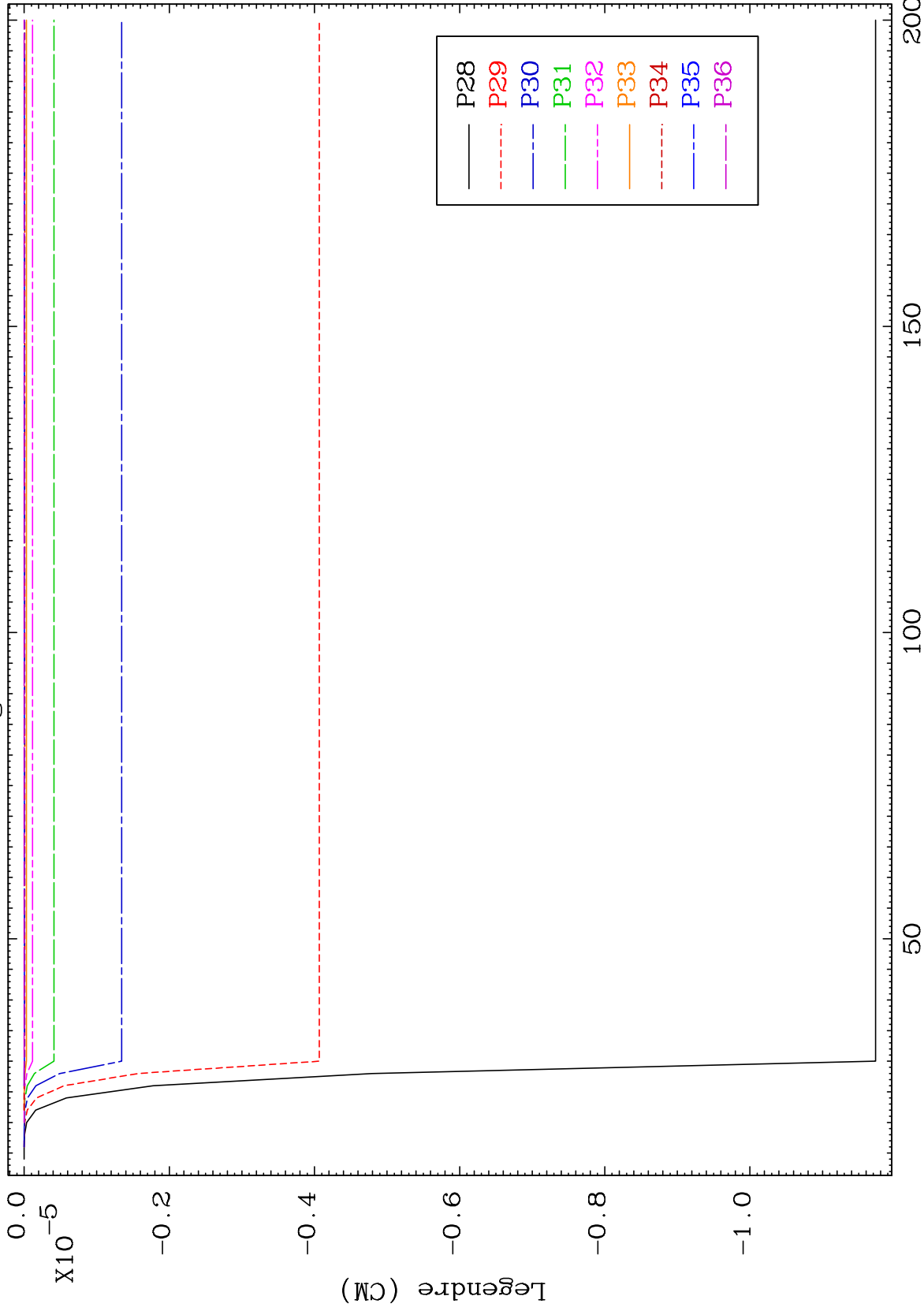
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



62-Sm-152

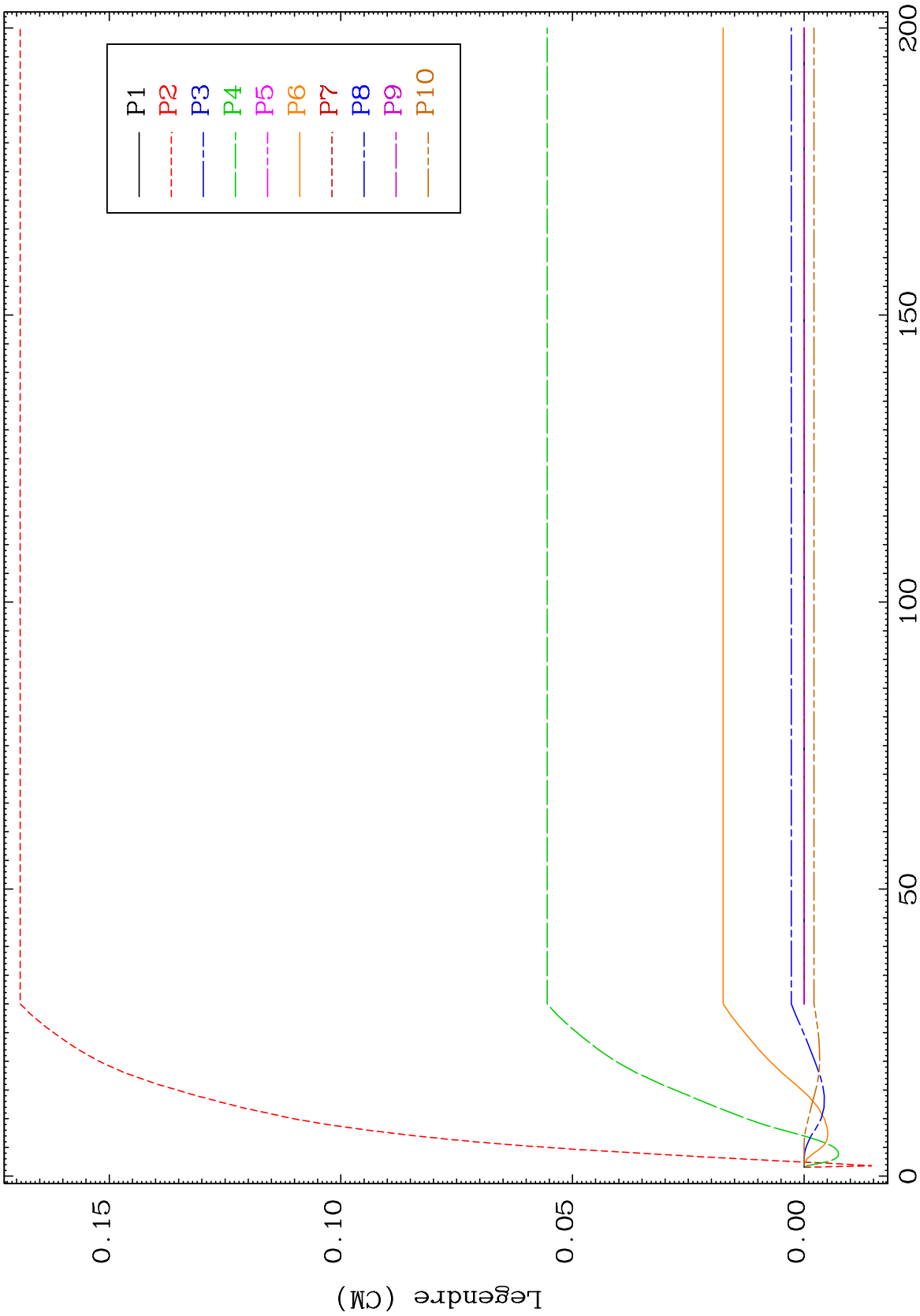
Incident Energy (MeV)

95

MAT 6249

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

62-Sm-152



96

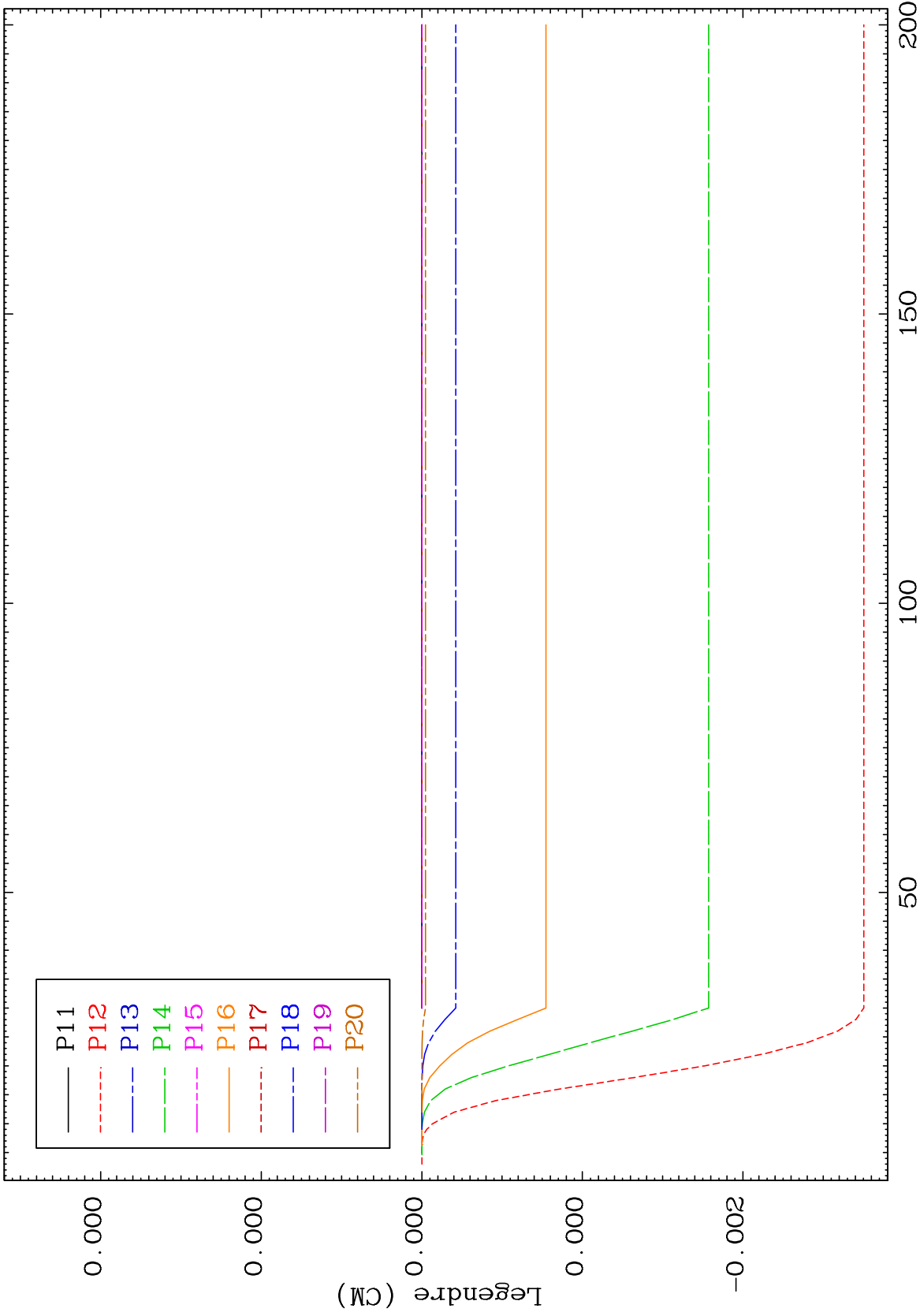
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



97

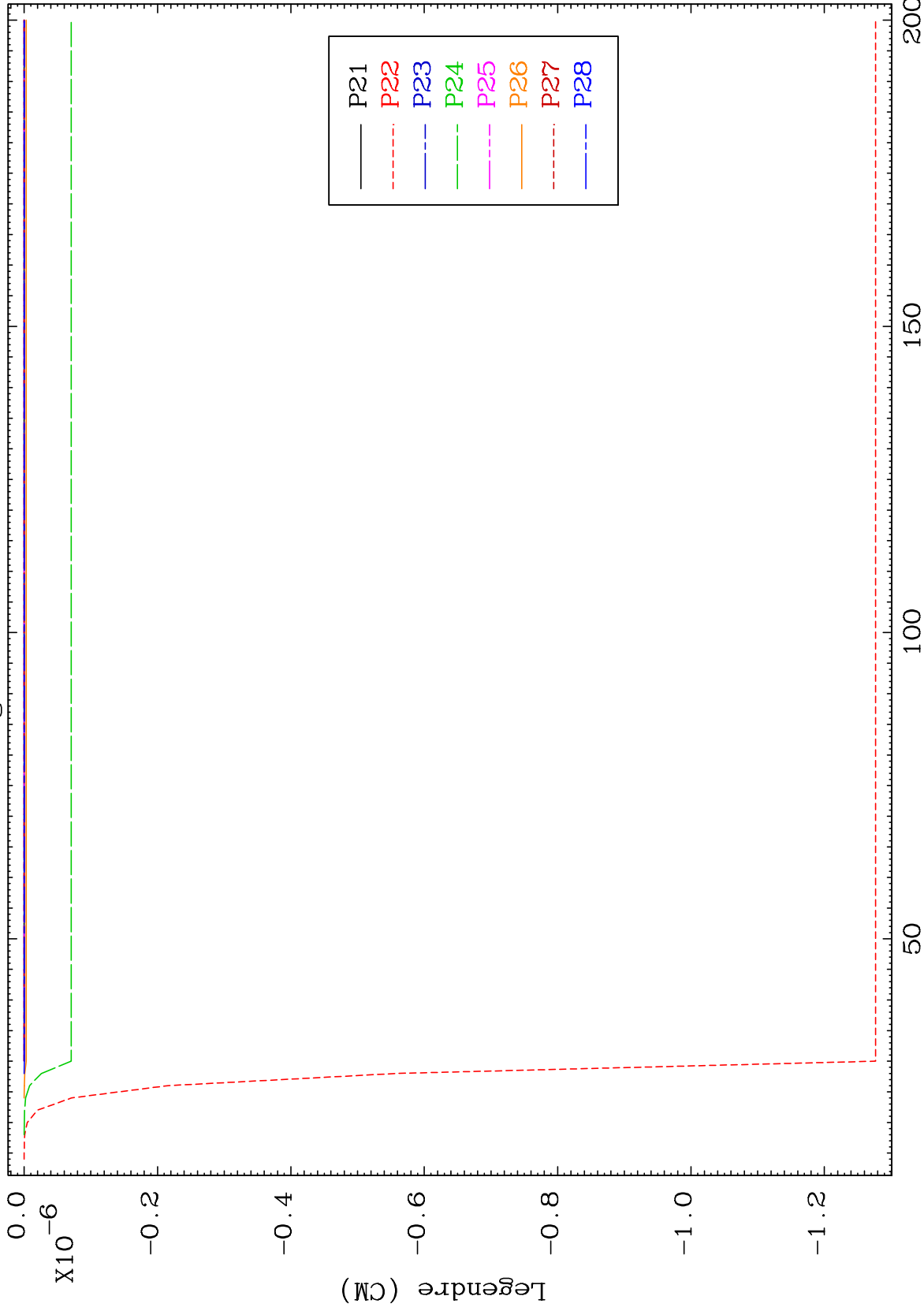
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



98

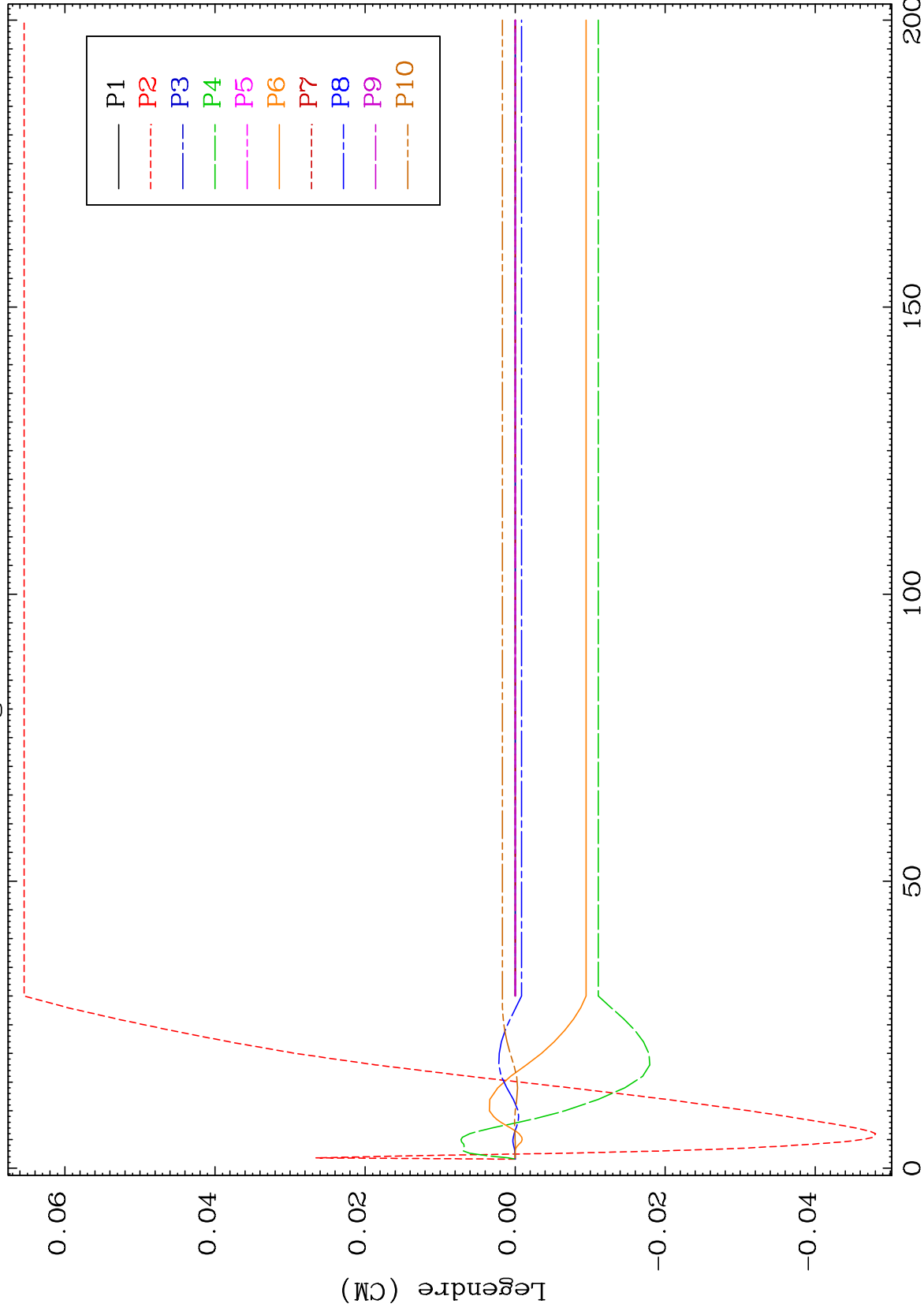
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



99

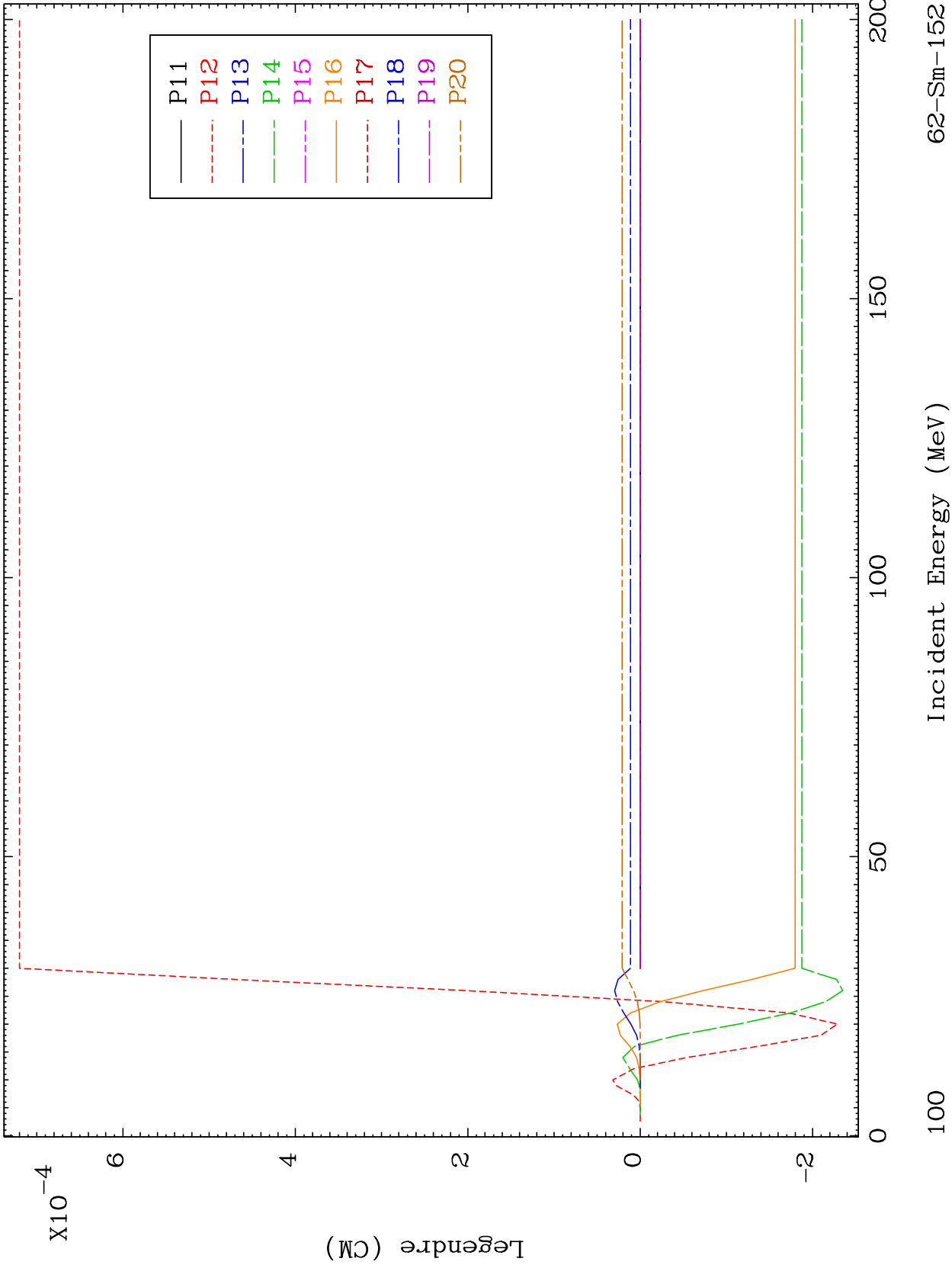
Incident Energy (MeV)

62-Sm-152

MAT 6249

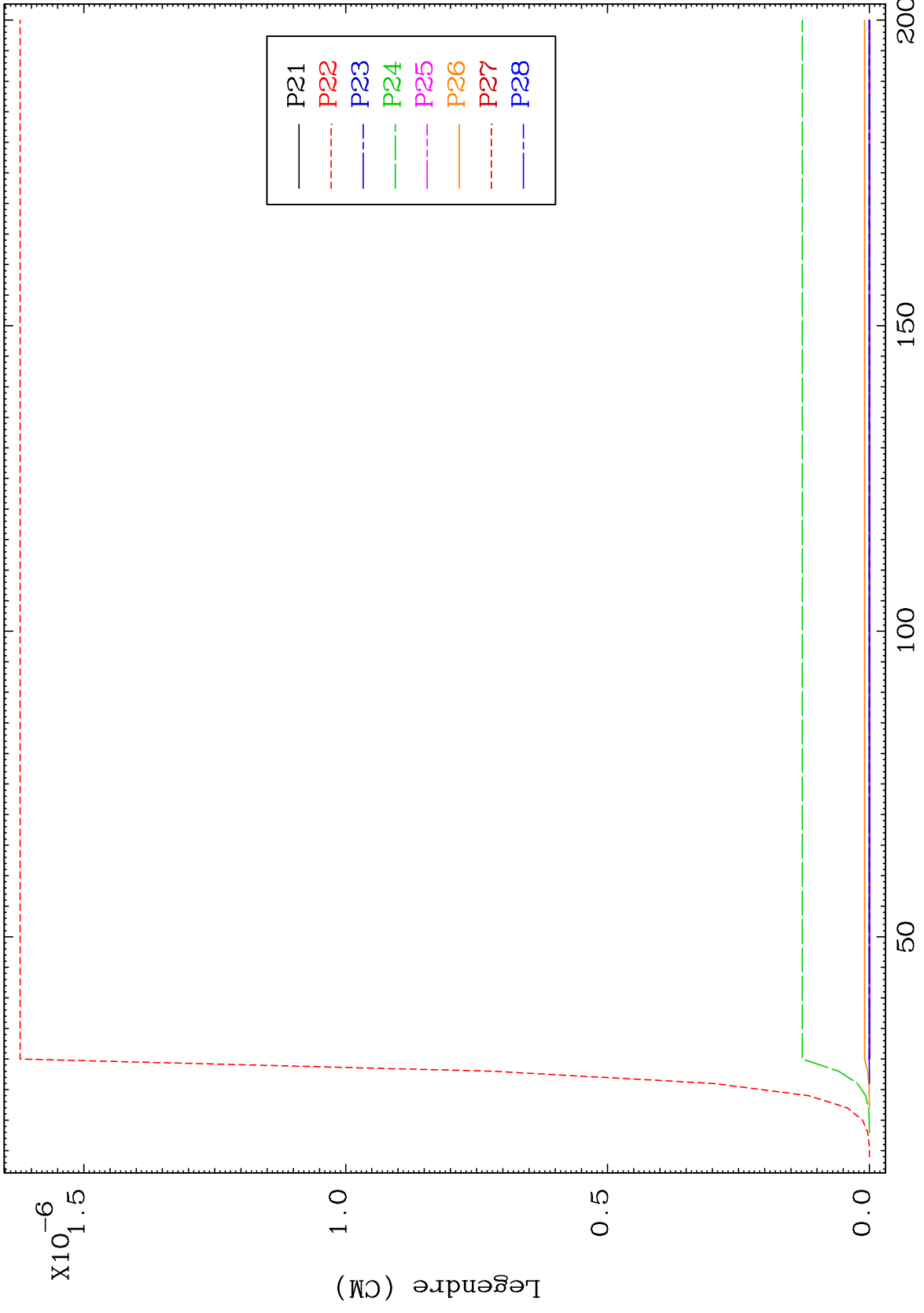
MT= 72 (n,n') Level
Legendre Coefficients

62-Sm-152



62-Sm-152

MAT 6249 MT= 72 (n, n') Level Legendre Coefficients 62-Sm-152

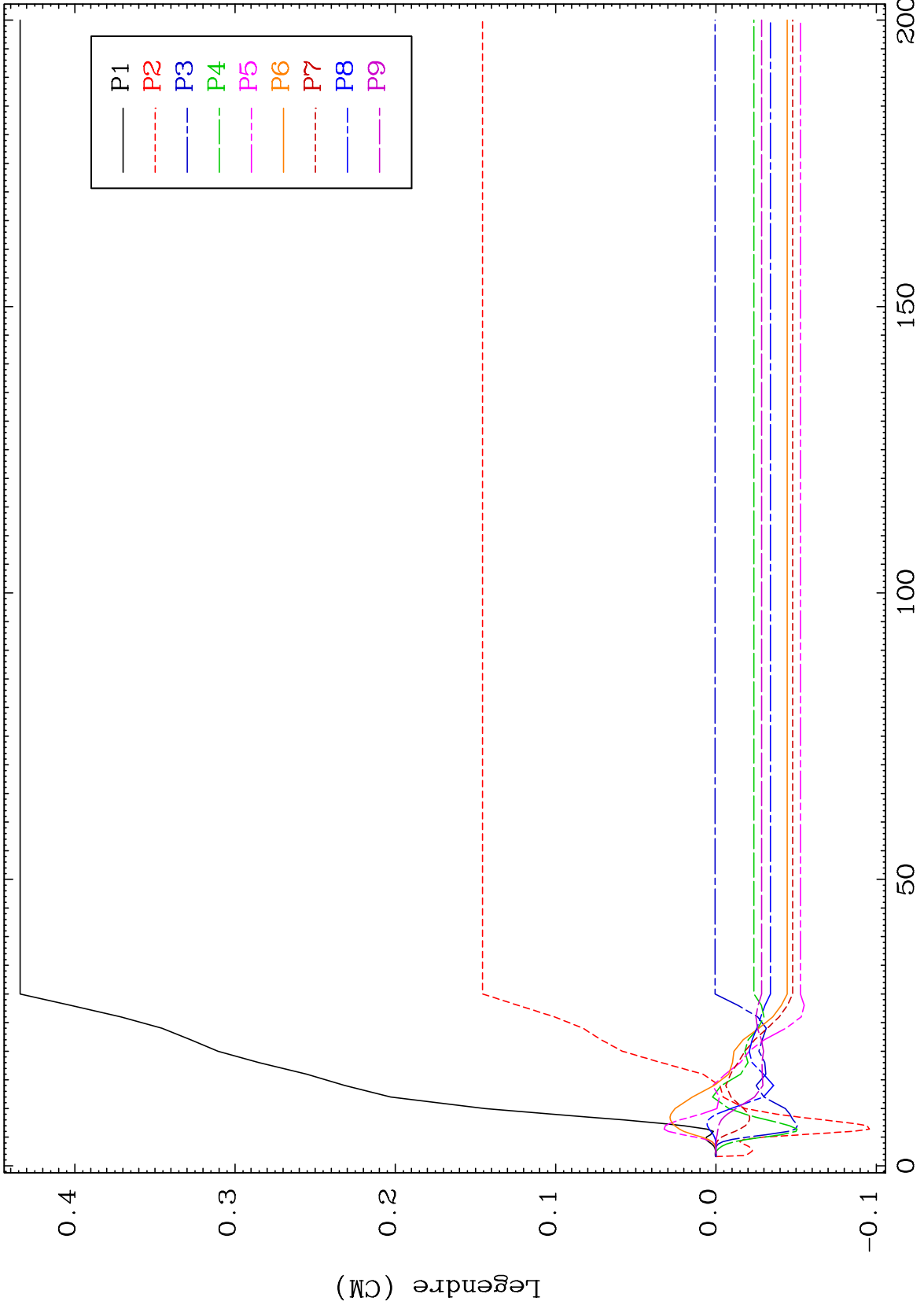


101 Incident Energy (MeV) 62-Sm-152

MAT 6249

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

62-Sm-152



62-Sm-152

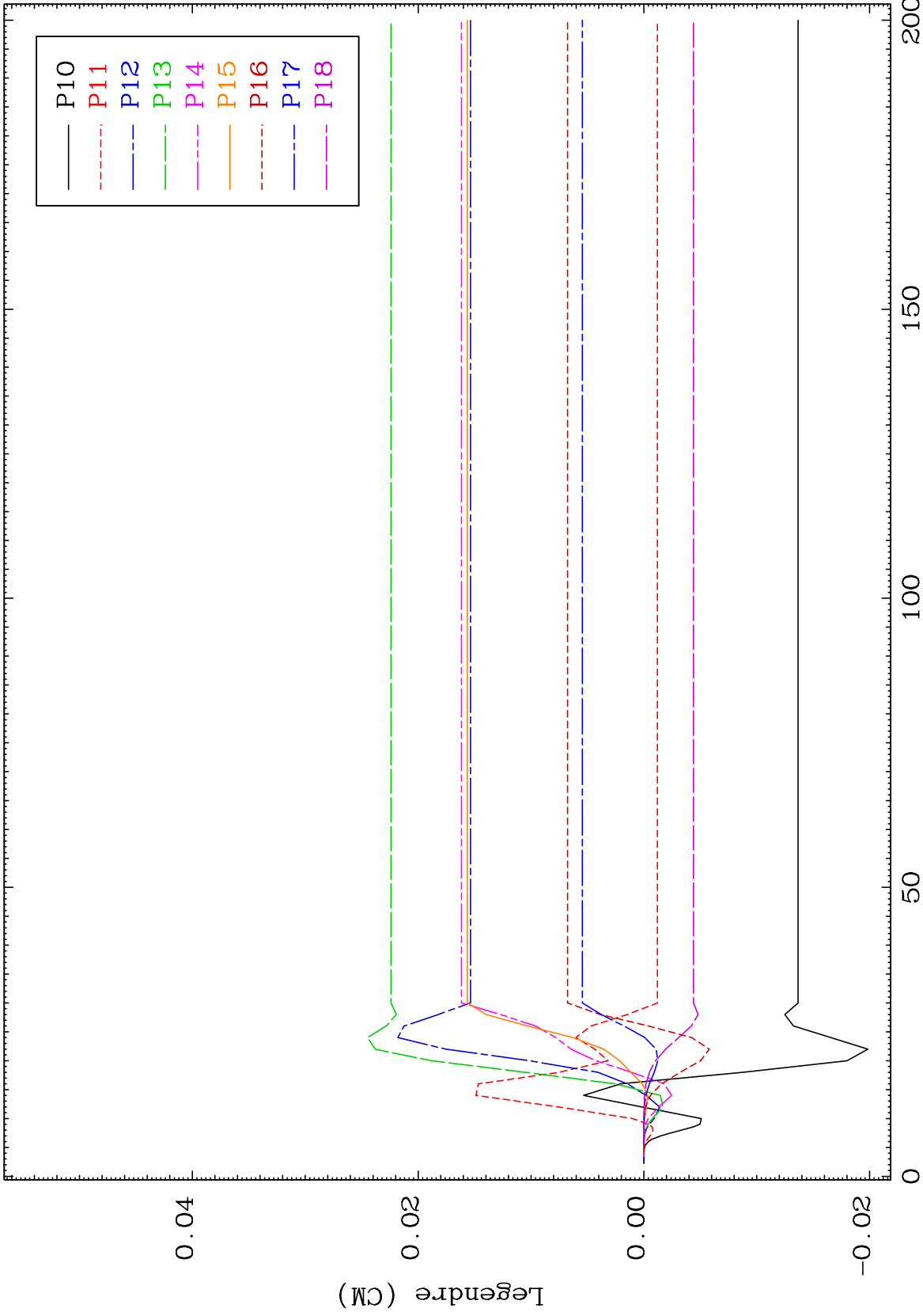
Incident Energy (MeV)

102

MAT 6249

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

62-Sm-152



103

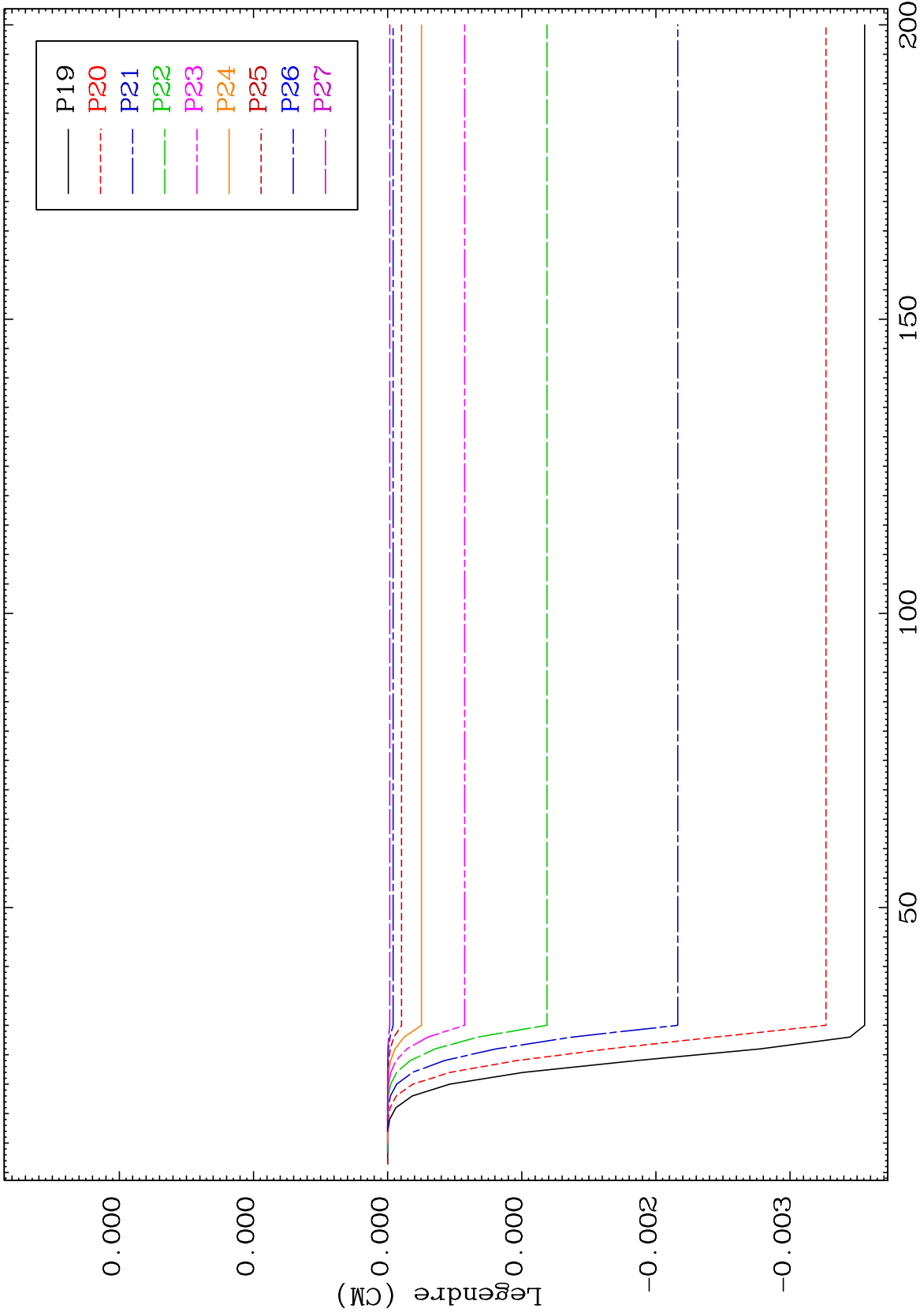
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



104

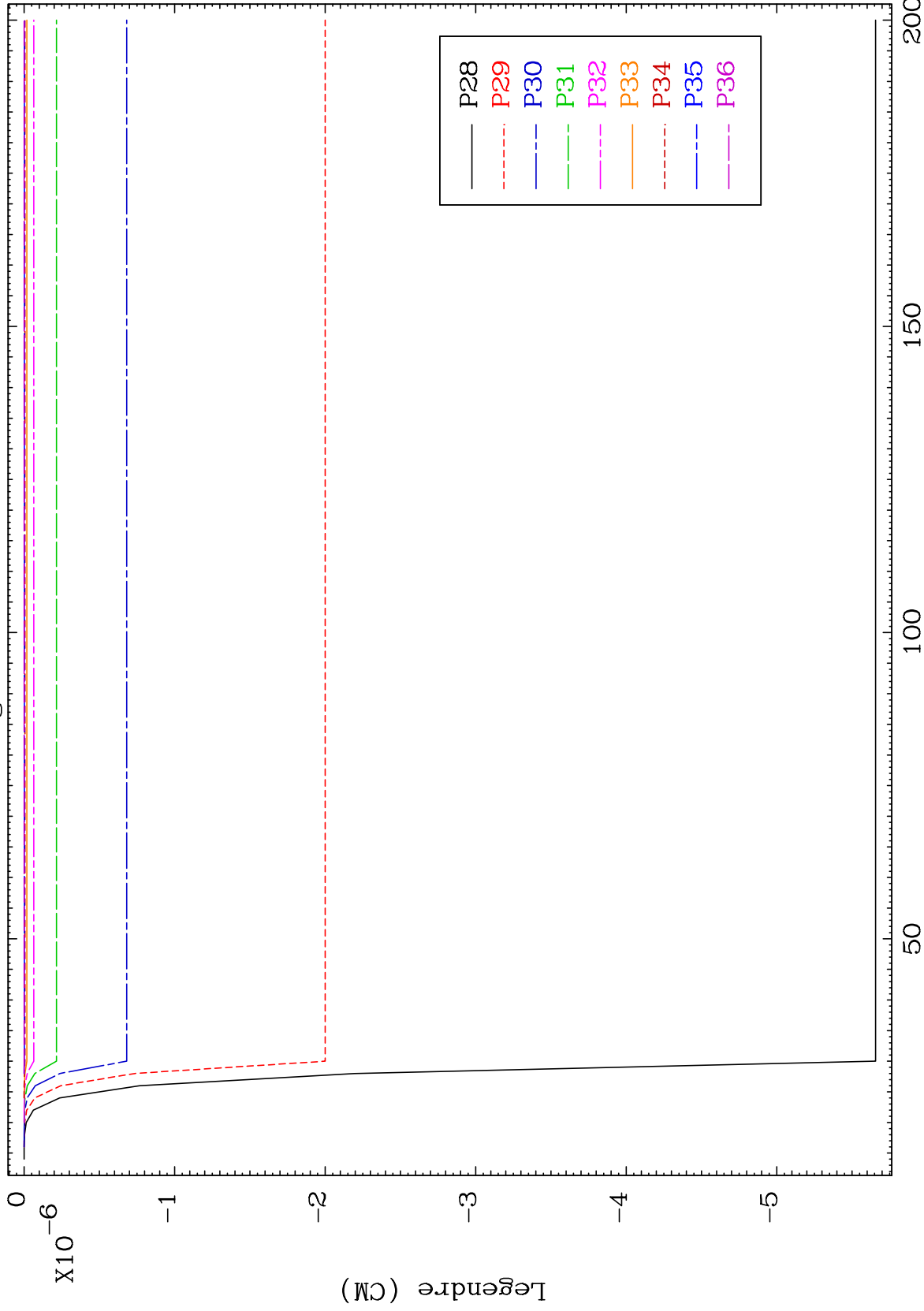
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



62-Sm-152

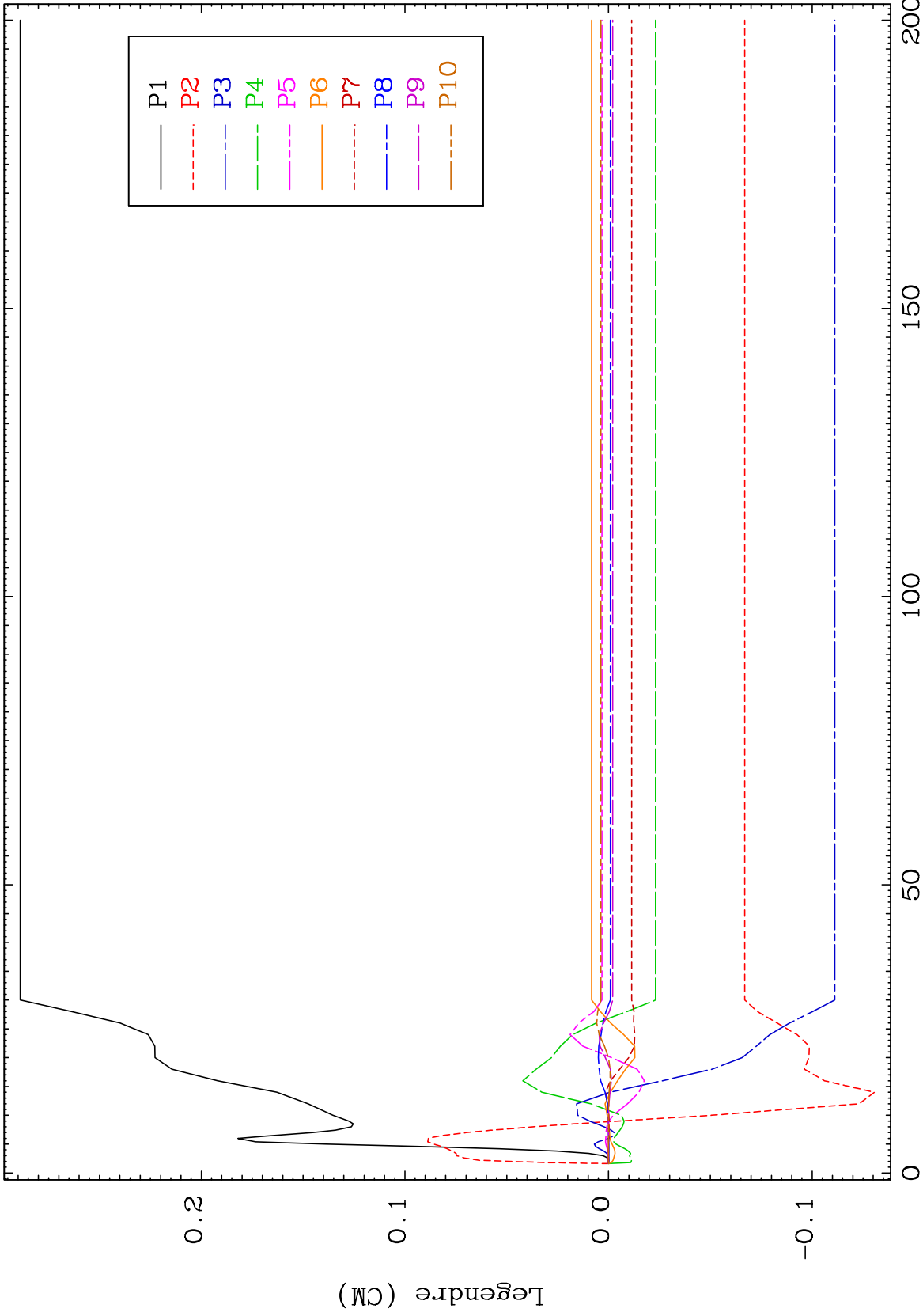
Incident Energy (MeV)

105

MAT 6249

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

62-Sm-152



106

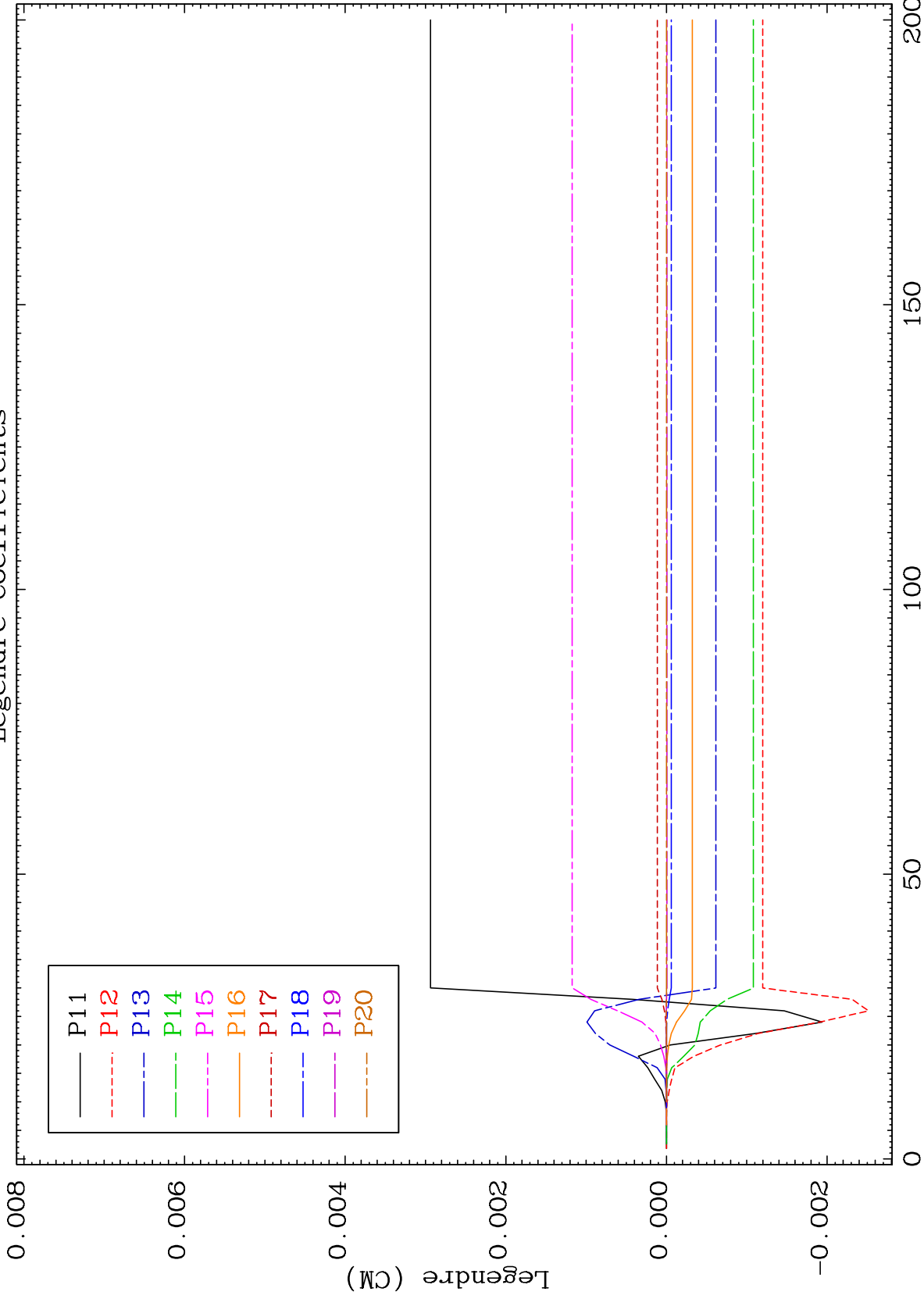
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



107

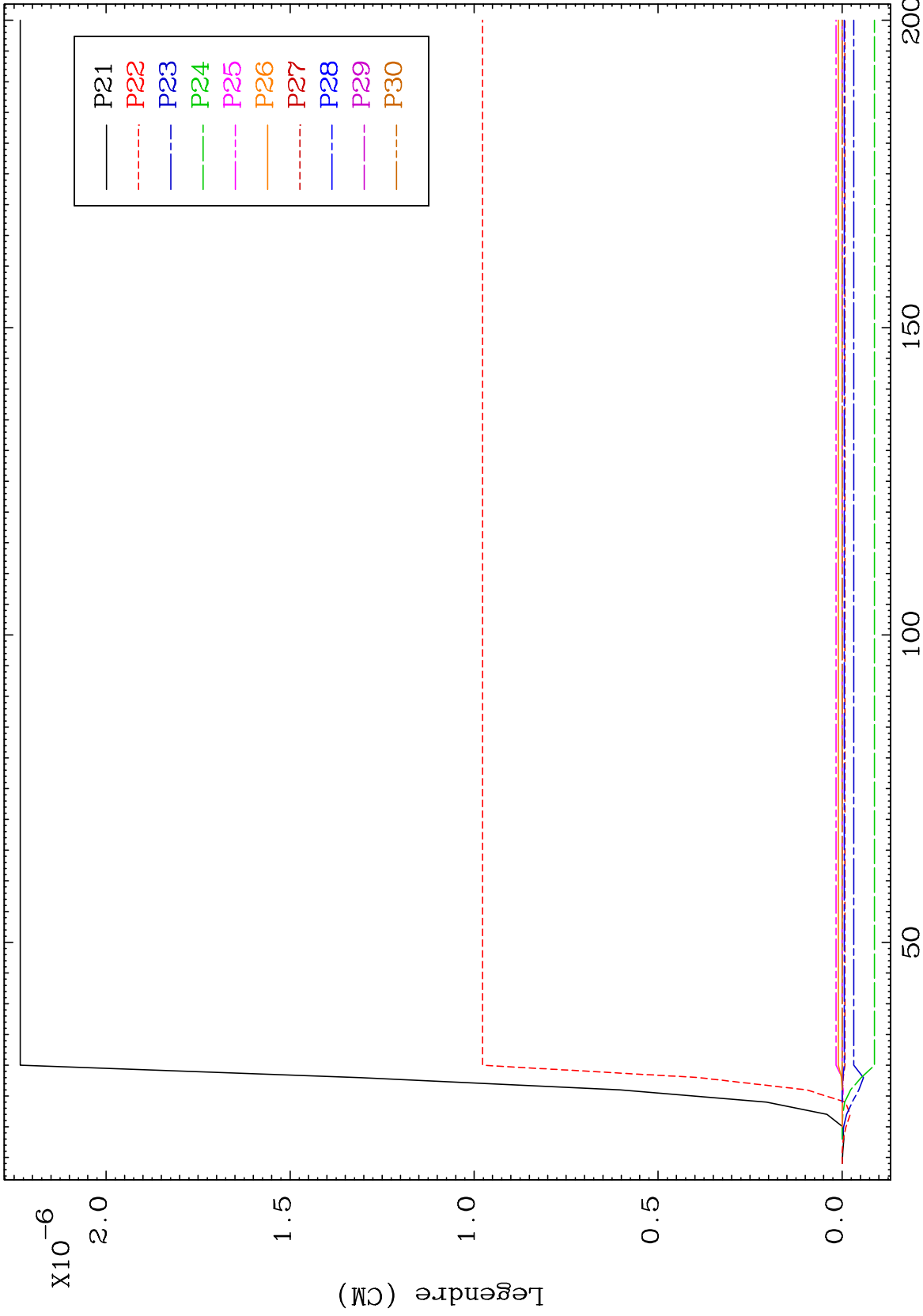
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



108

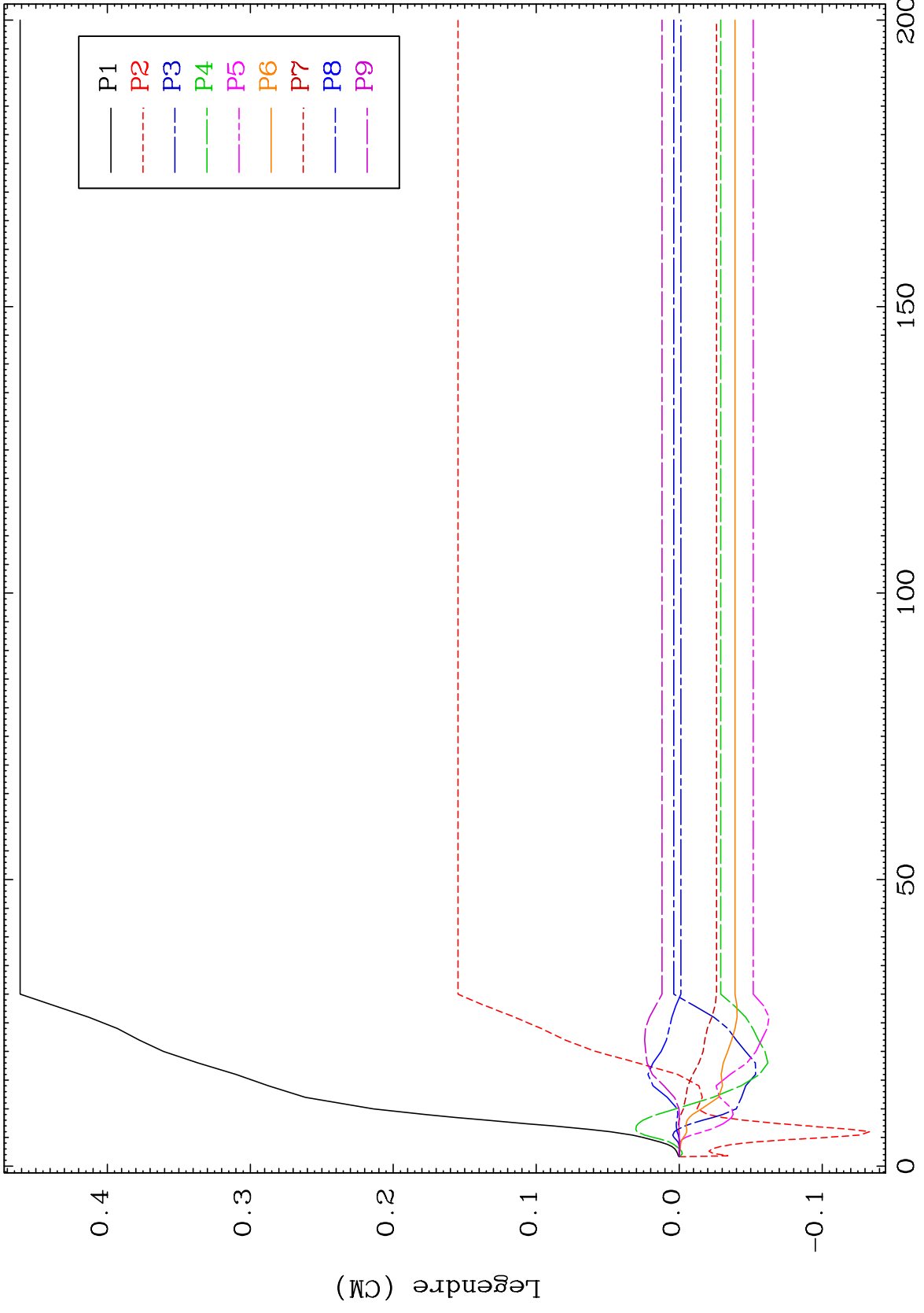
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



109

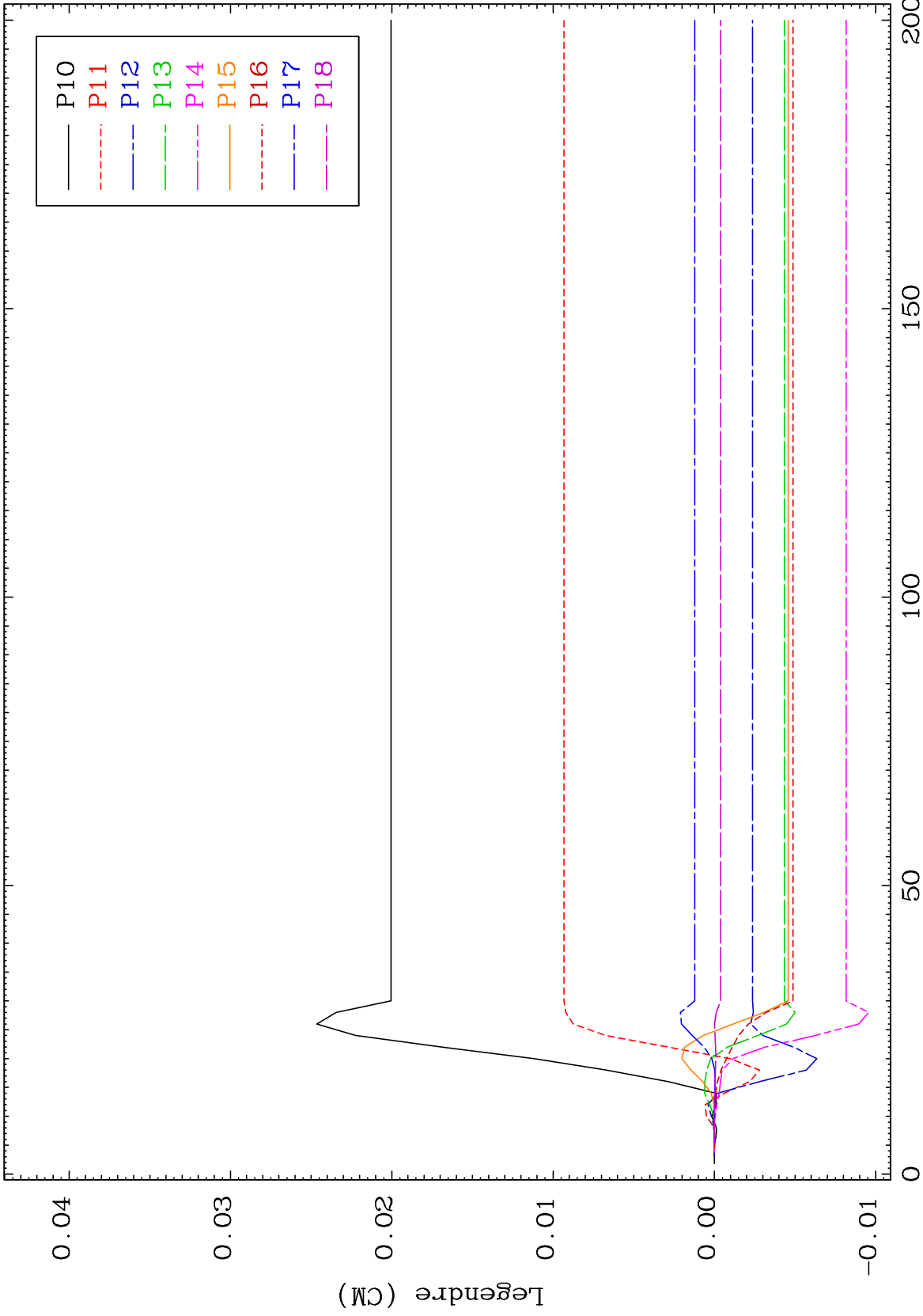
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



62-Sm-152

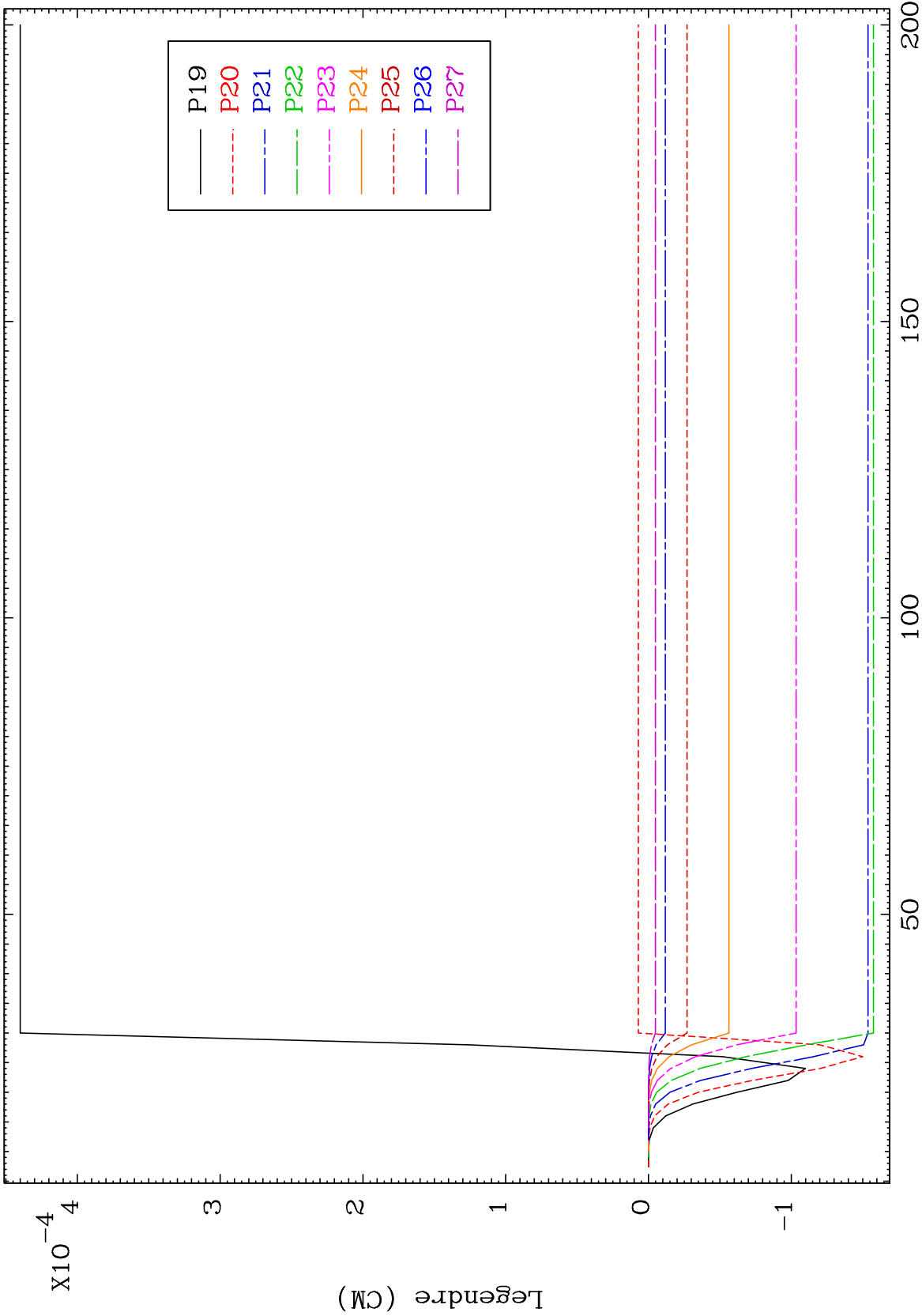
Incident Energy (MeV)

Legendre (CM)

MAT 6249

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

62-Sm-152



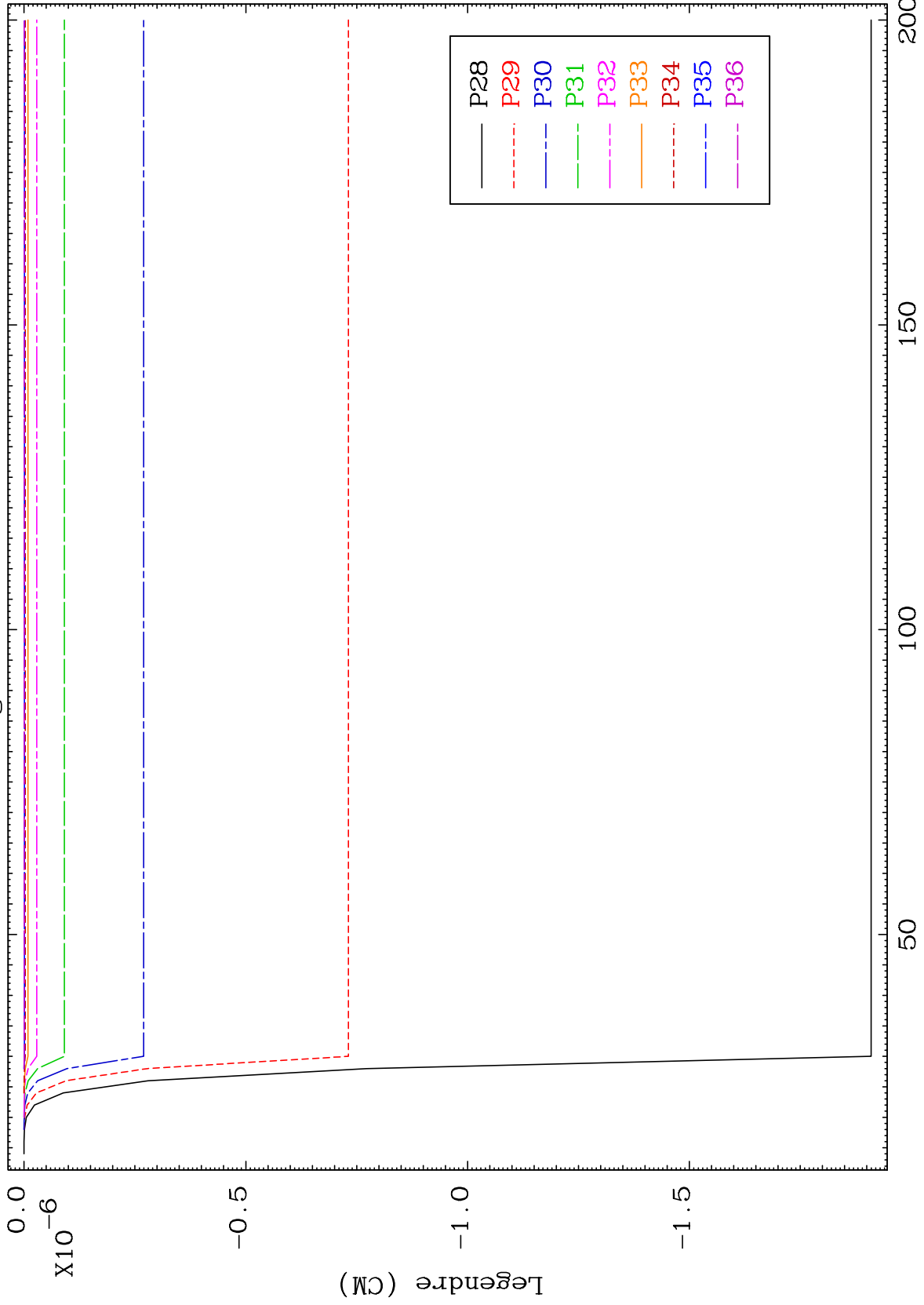
111

62-Sm-152

MAT 6249

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

62-Sm-152



62-Sm-152

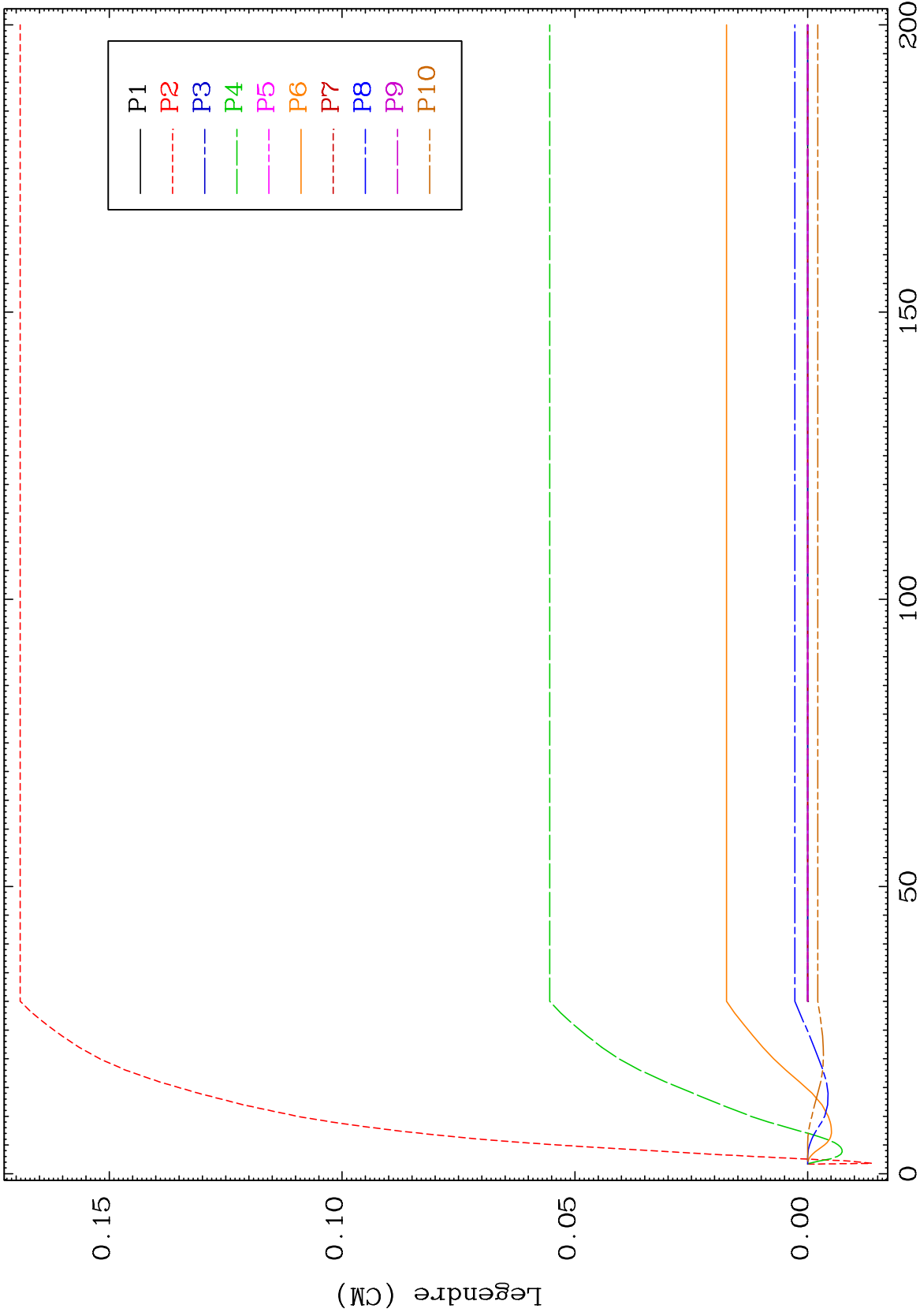
Incident Energy (MeV)

112

MAT 6249

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

62-Sm-152



113

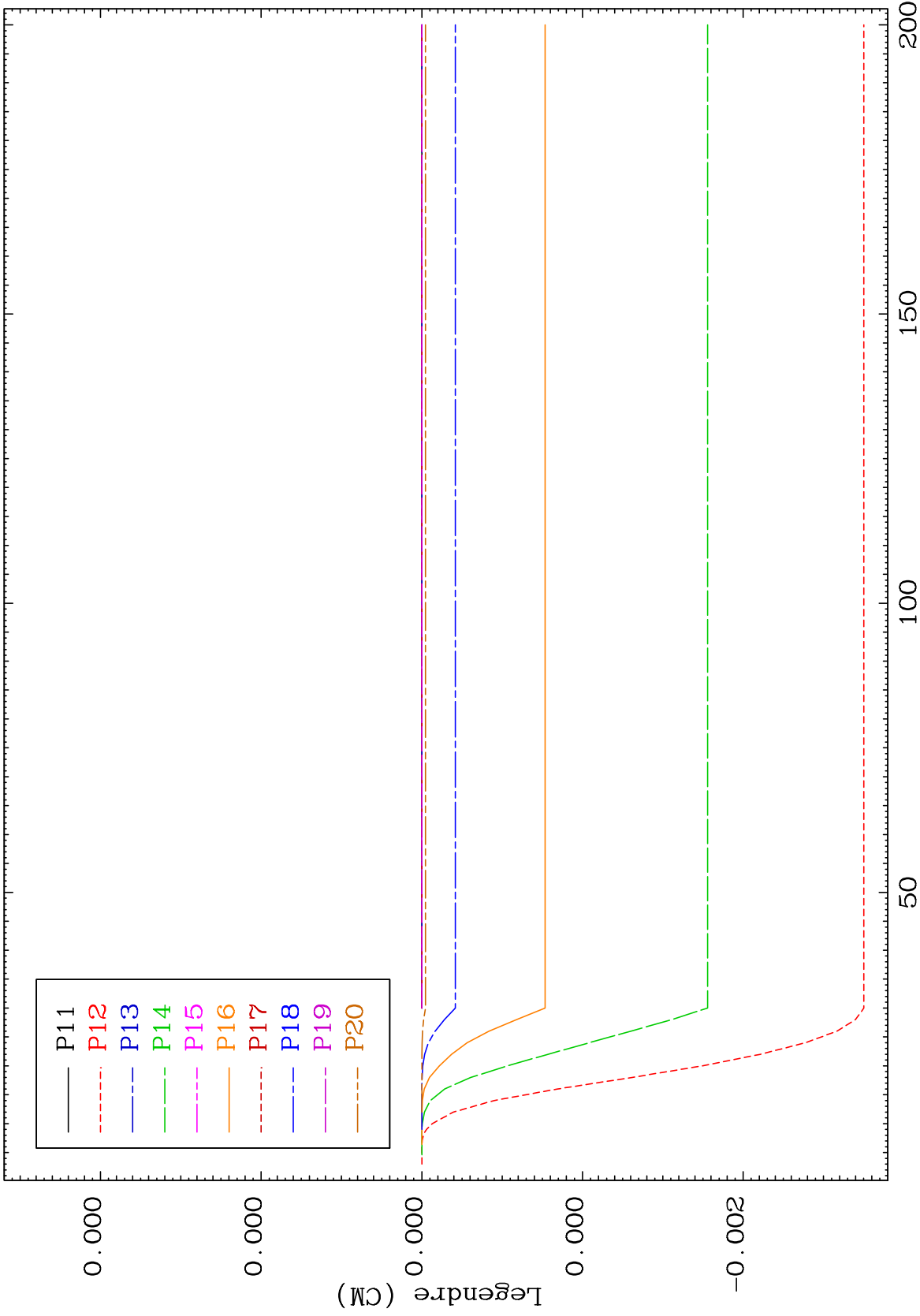
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152

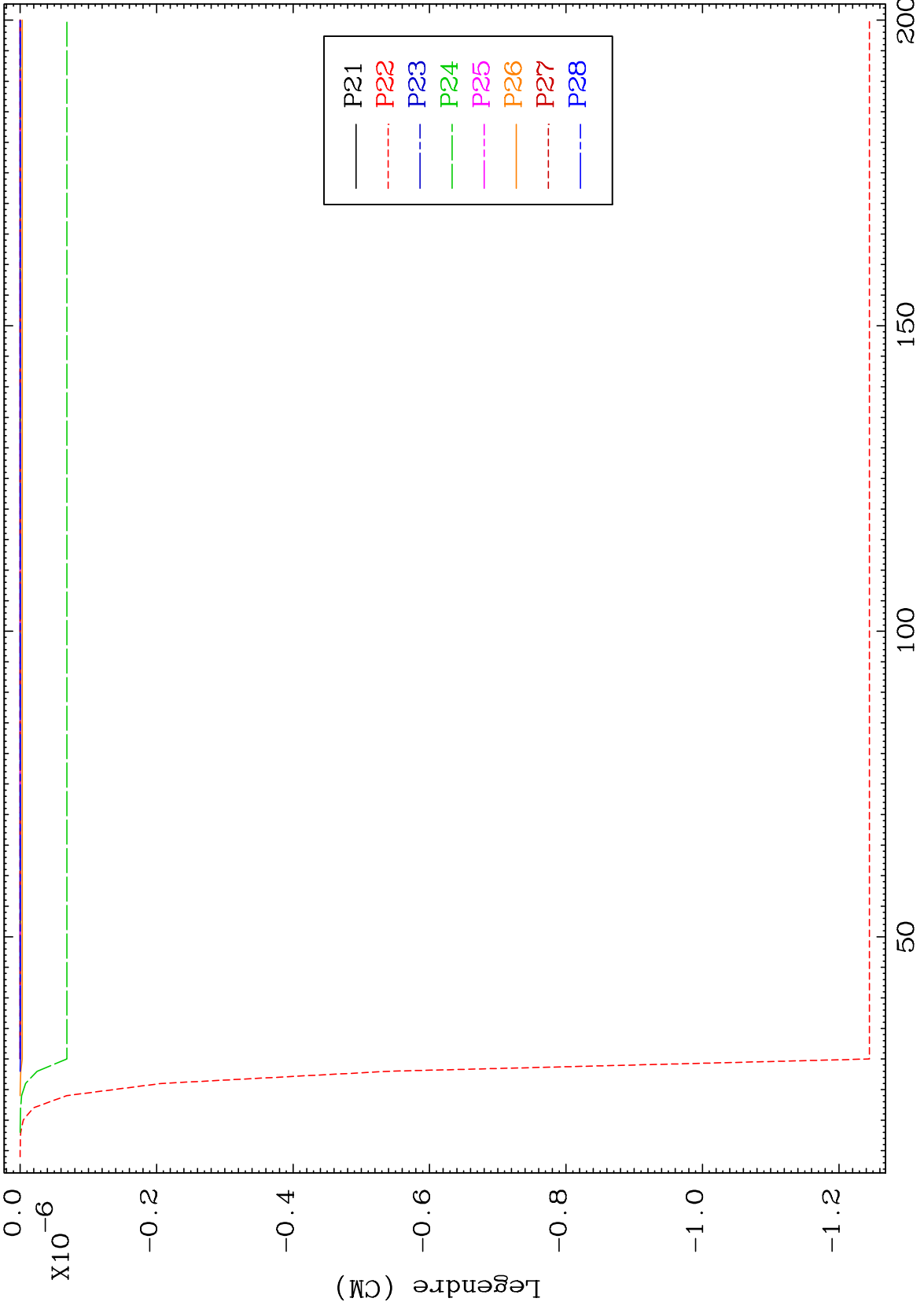


114

Incident Energy (MeV)

62-Sm-152

MAT 6249 MT= 76 (n,n') Level Legendre Coefficients 62-Sm-152

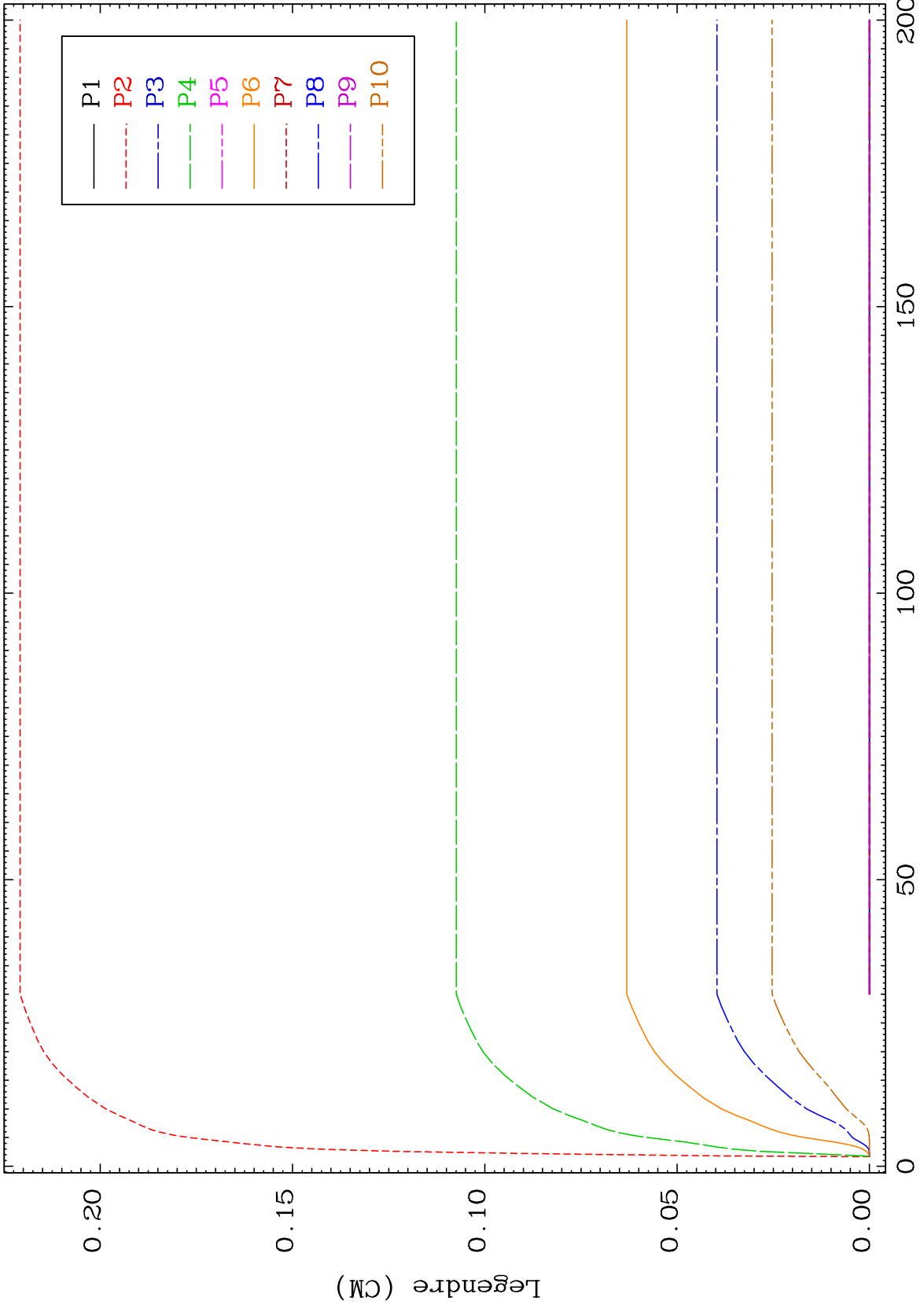


115 Incident Energy (MeV) 62-Sm-152

MAT 6249

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

62-Sm-152



116

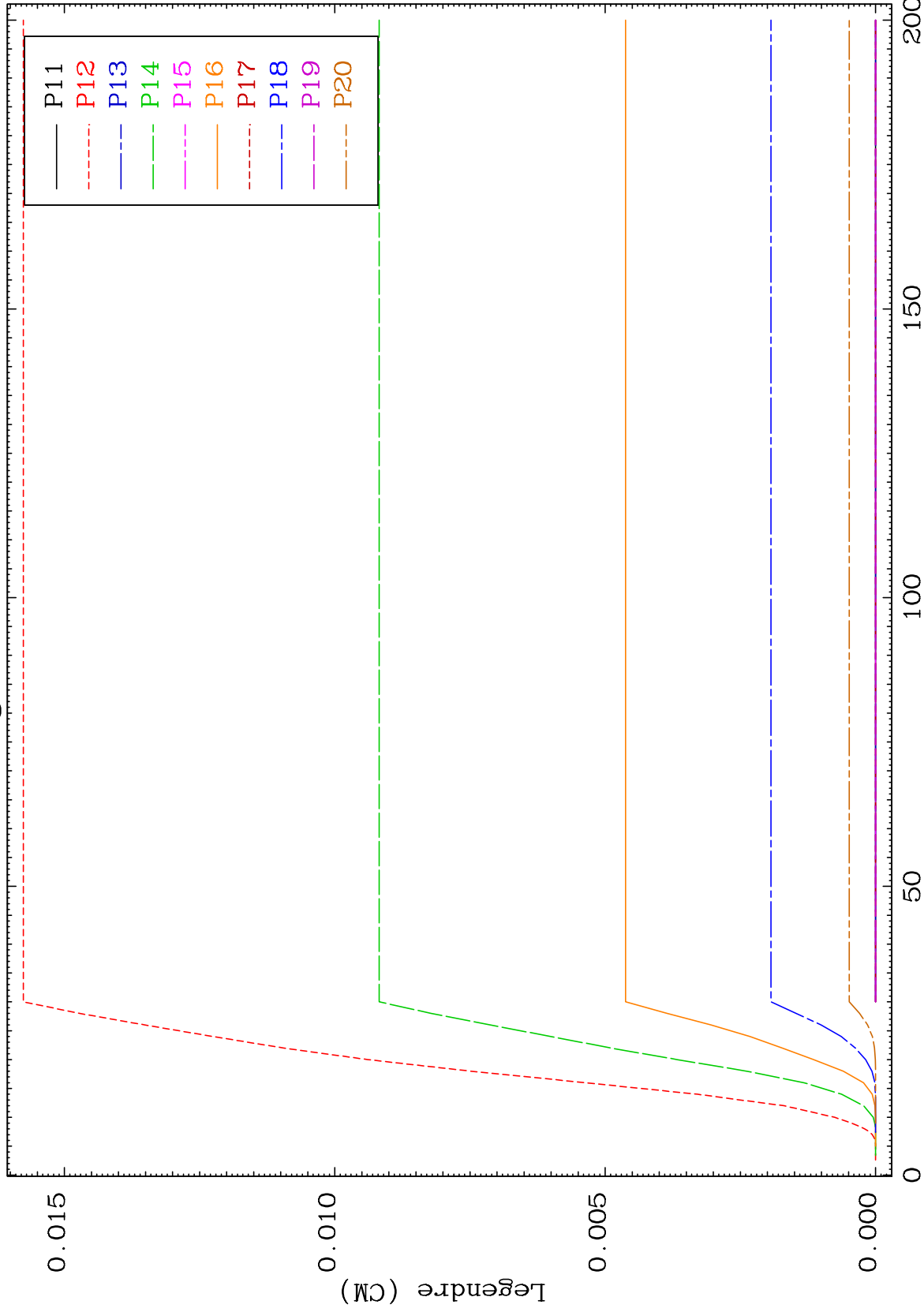
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



117

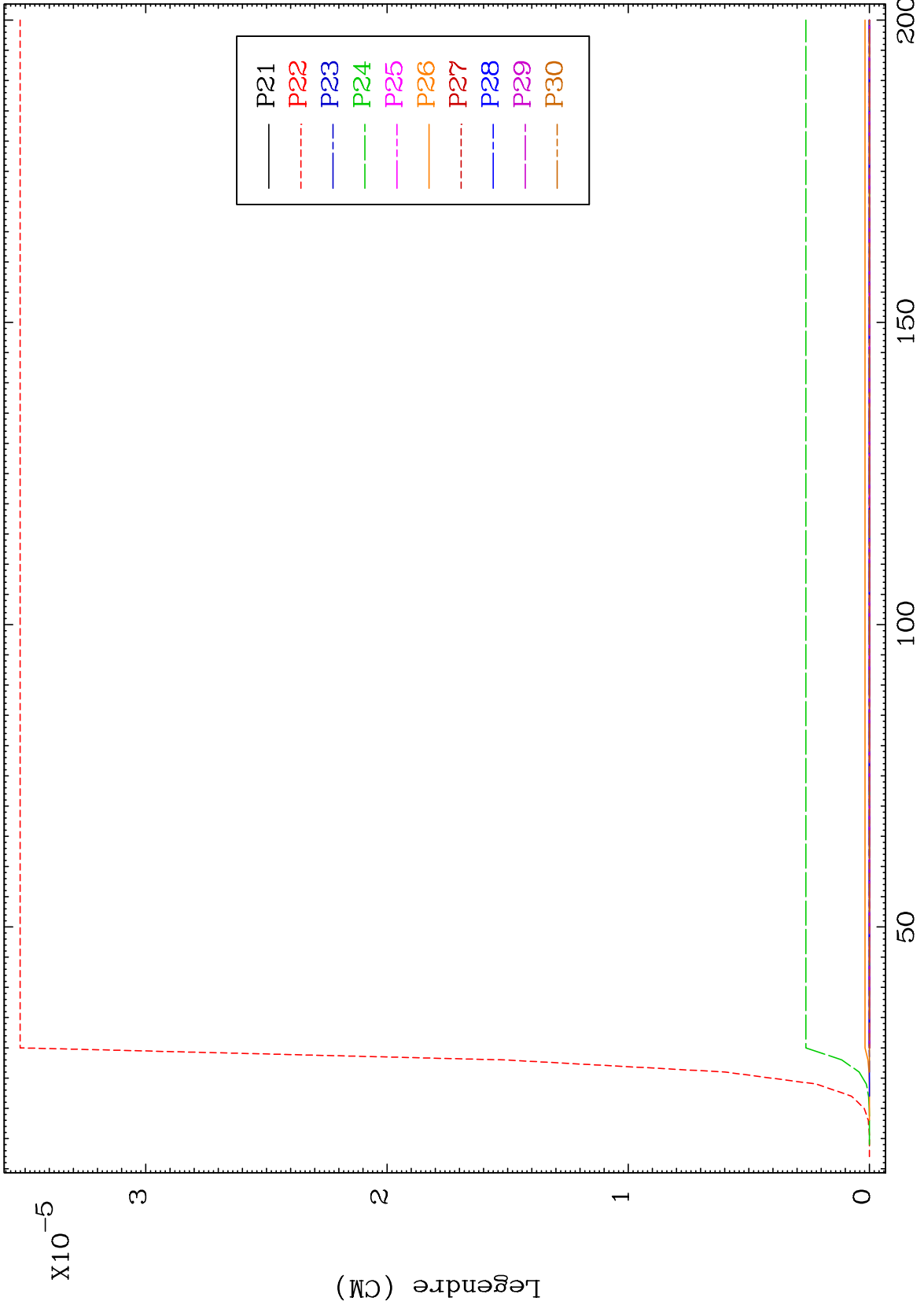
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



118

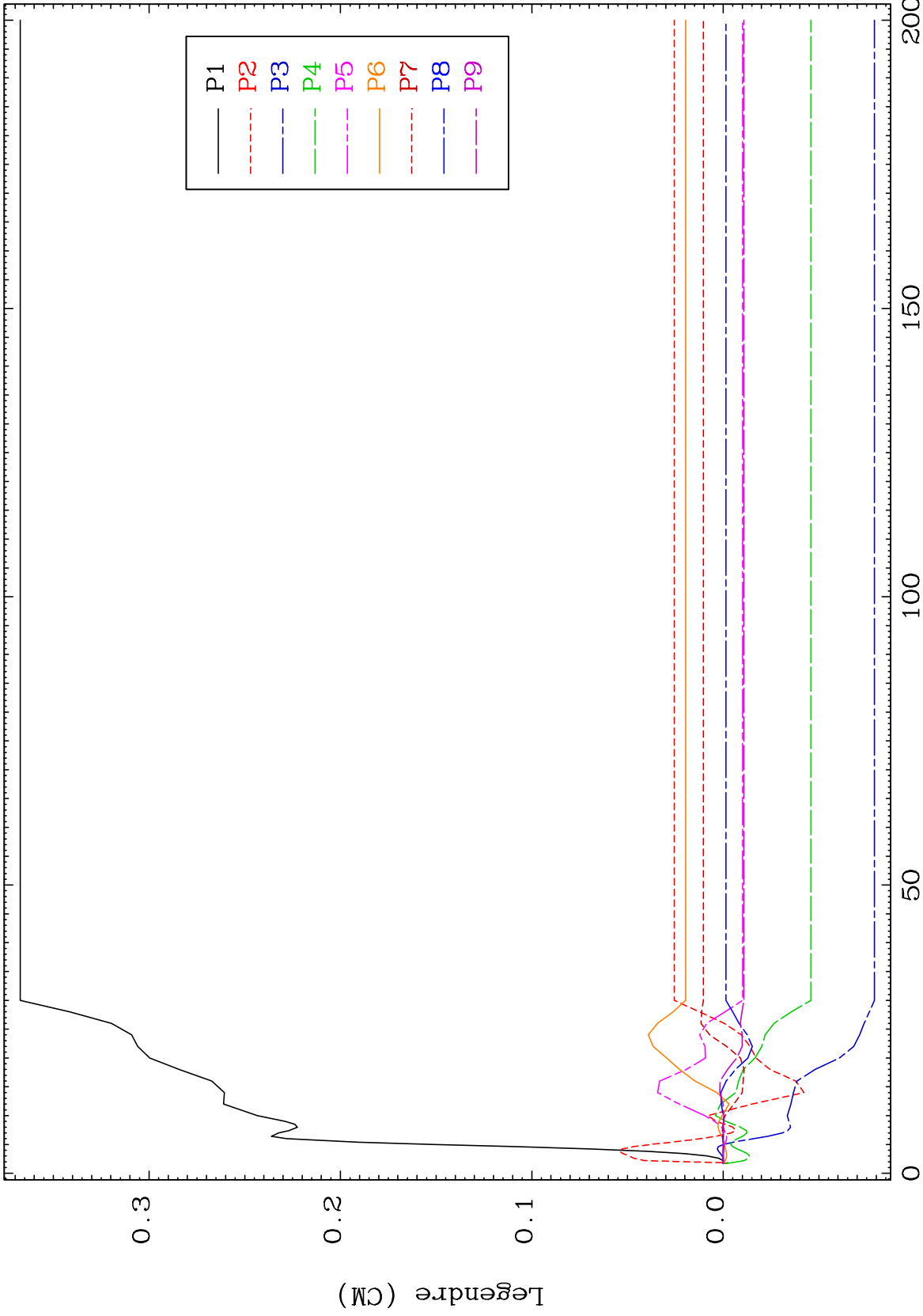
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



119

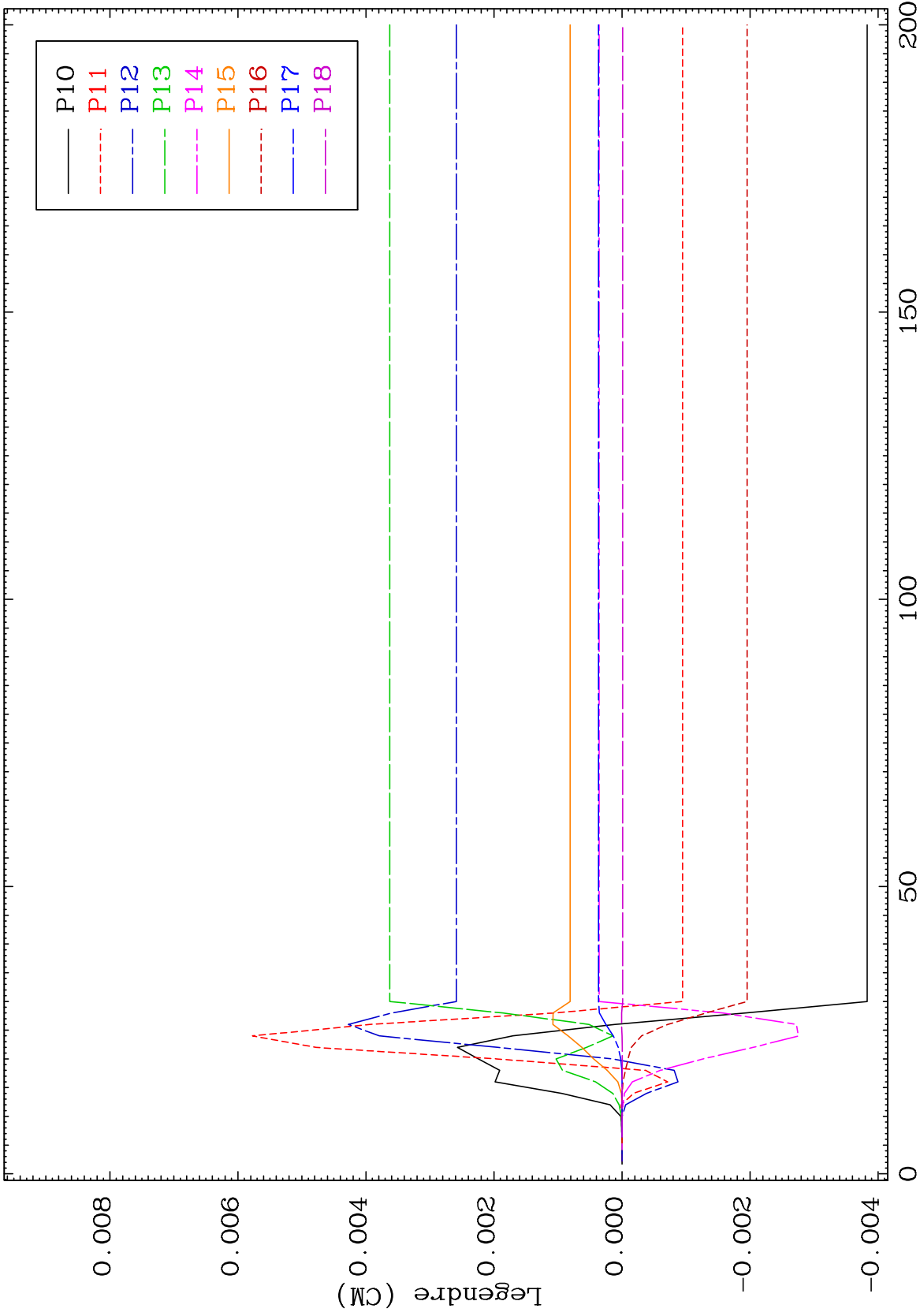
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



120

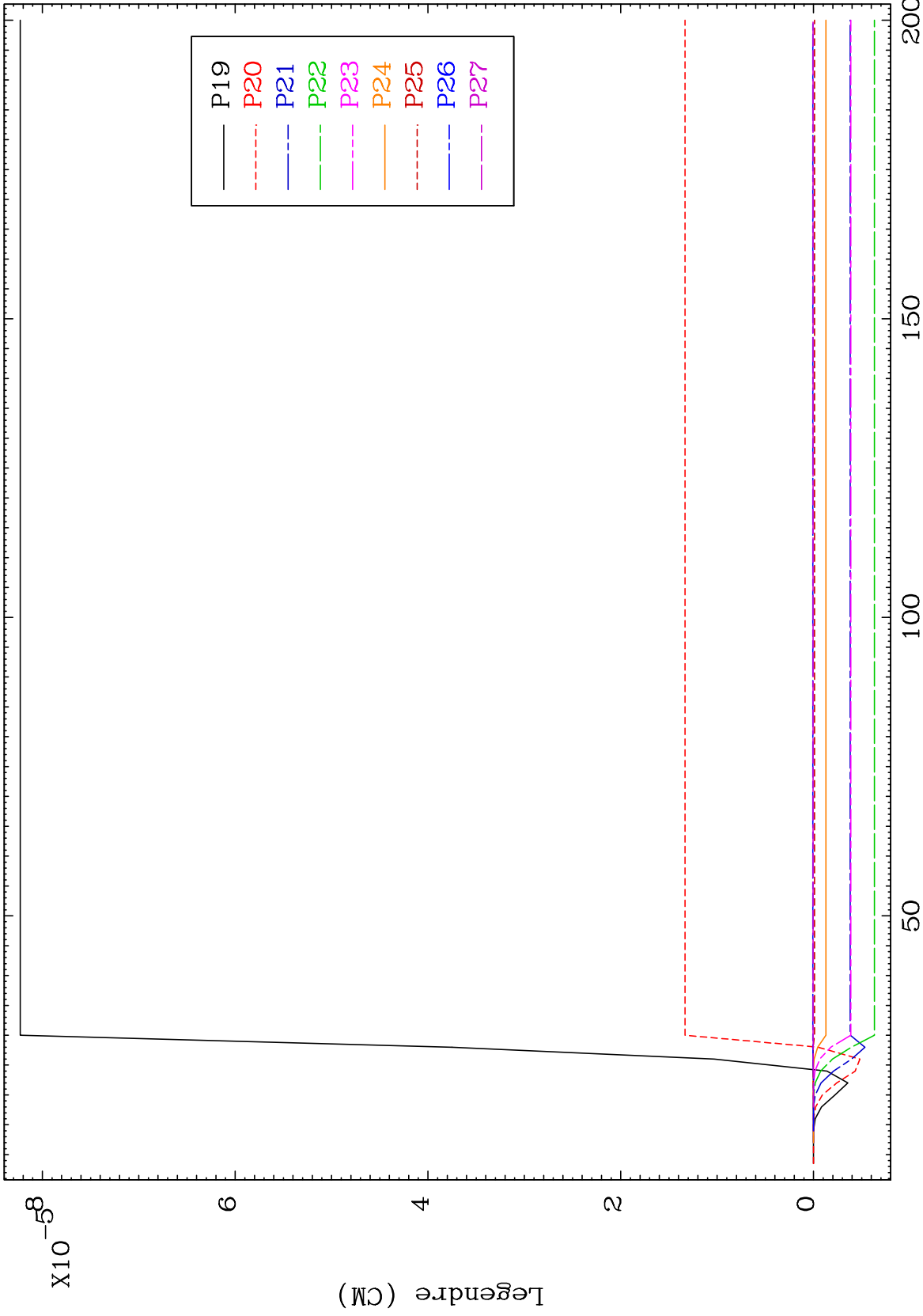
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



121

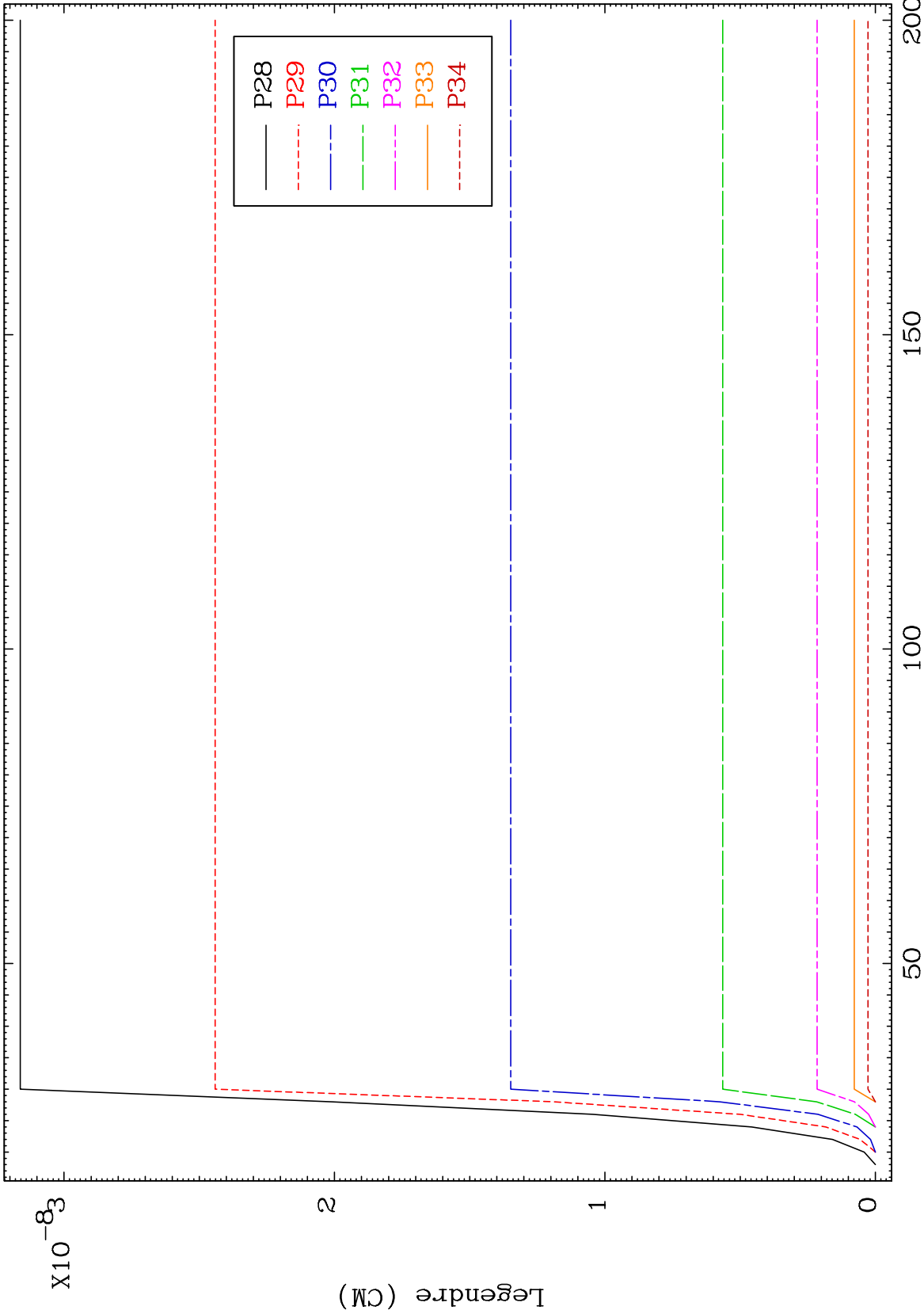
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



122

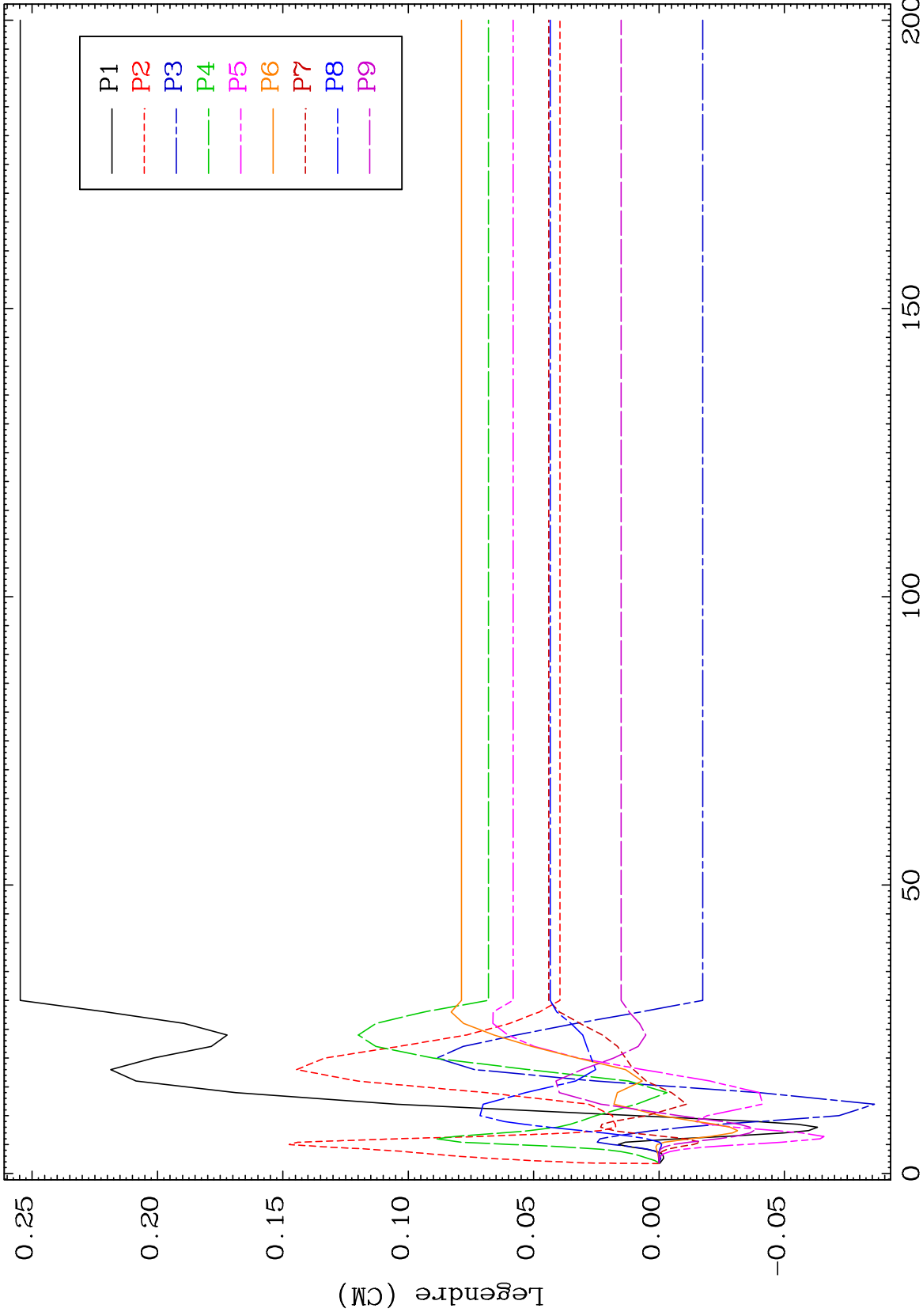
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



123

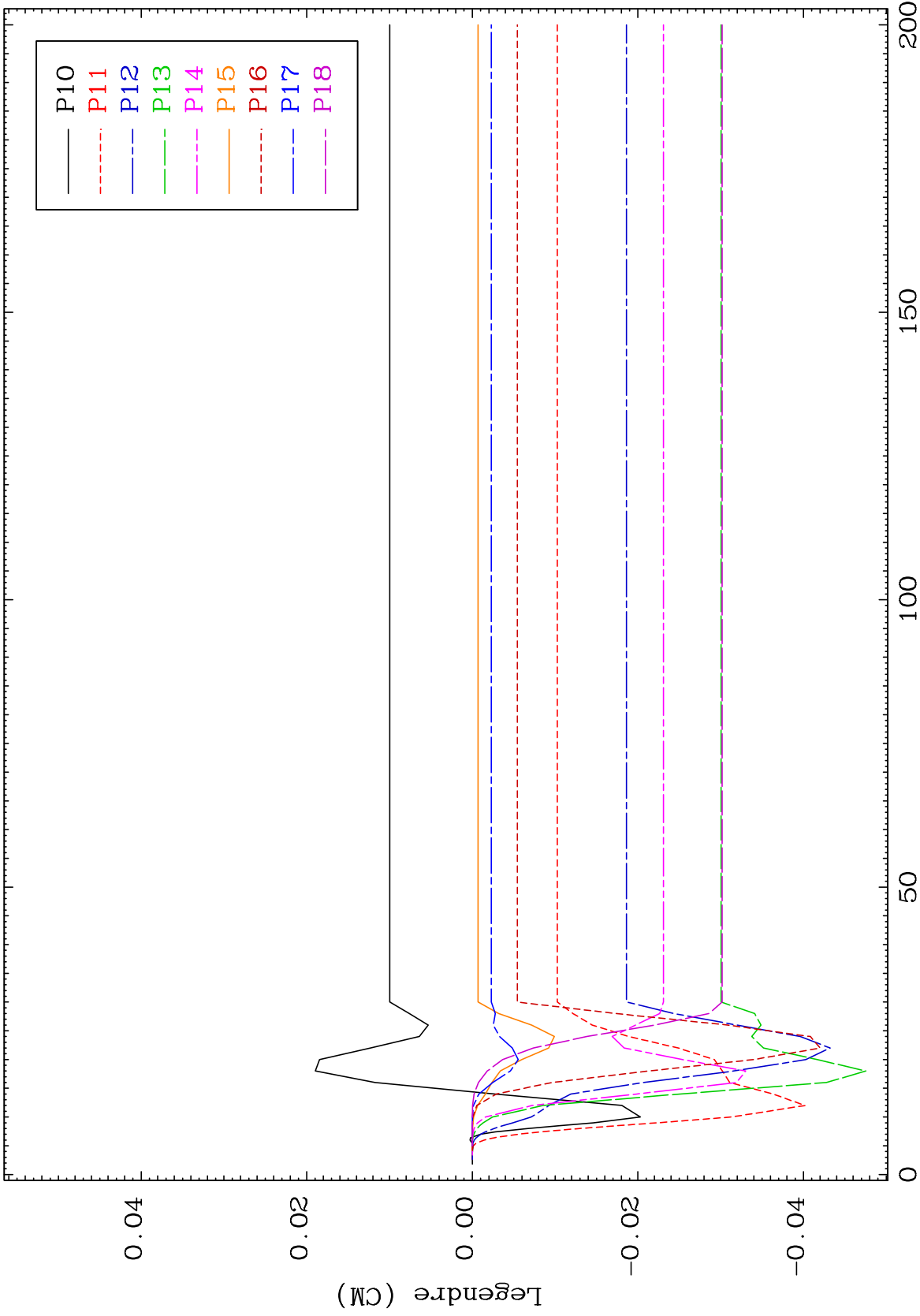
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



124

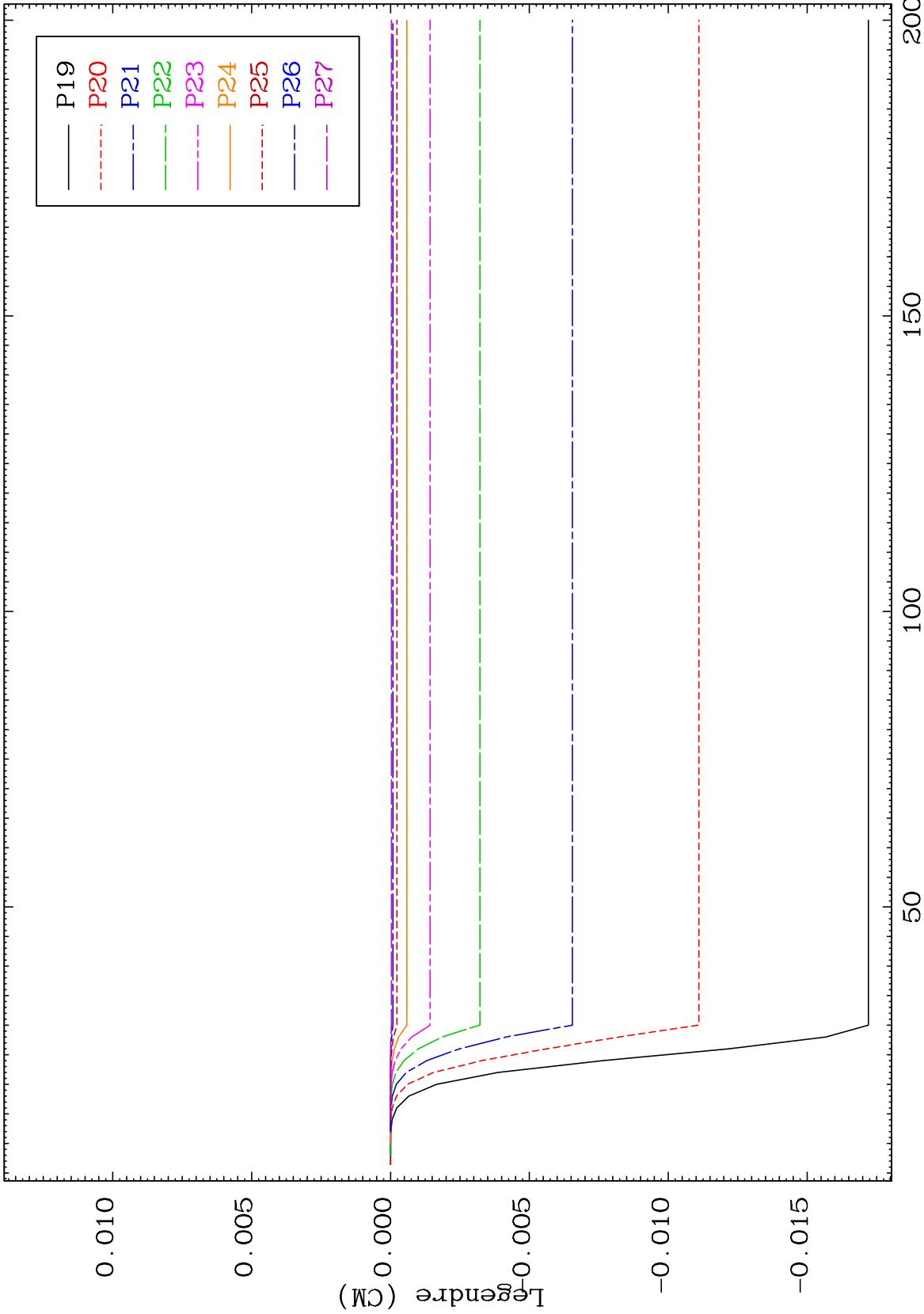
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152



125

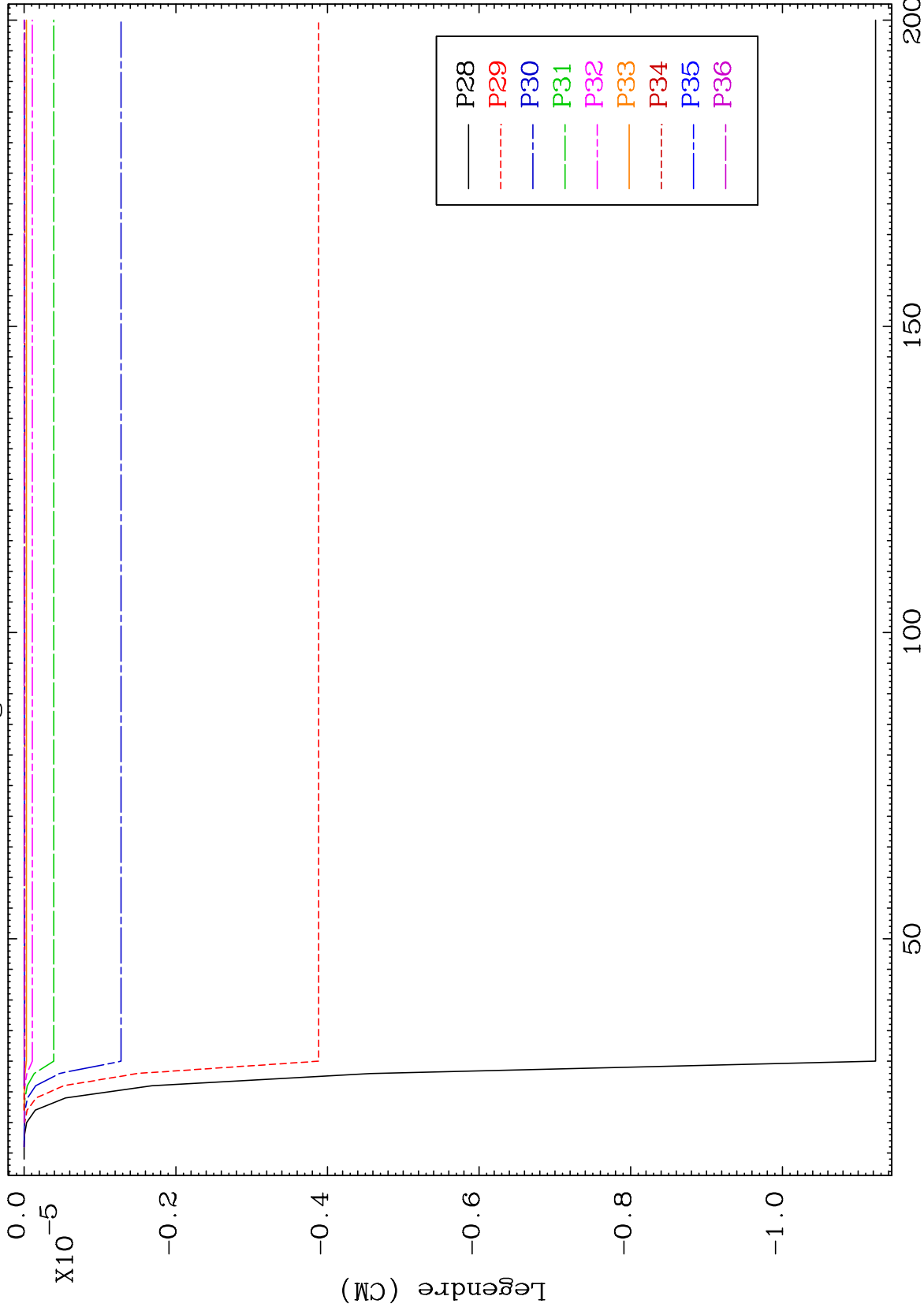
Incident Energy (MeV)

62-Sm-152

MAT 6249

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

62-Sm-152

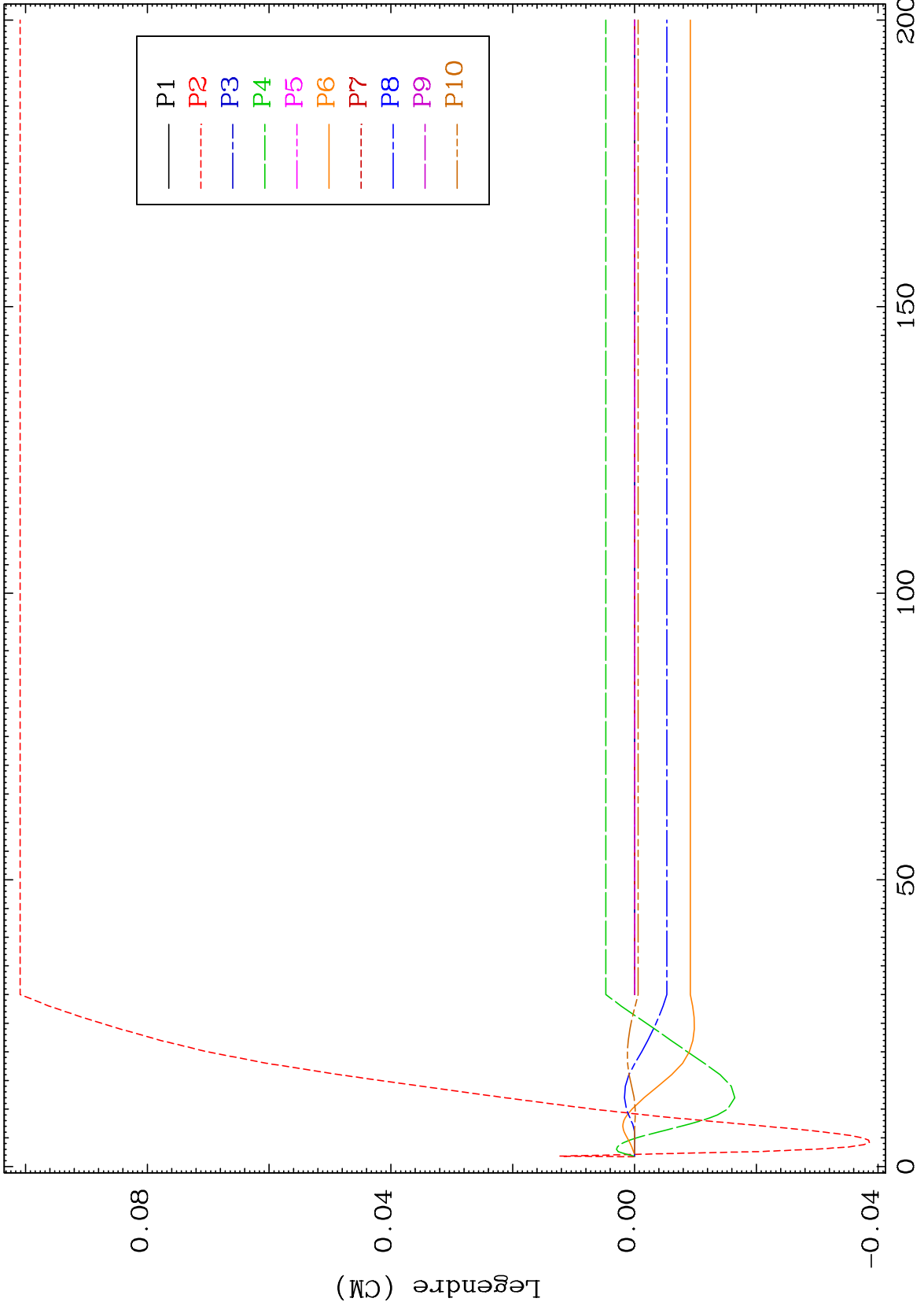


62-Sm-152

Incident Energy (MeV)

126

MAT 6249 MT= 80 (n,n') Level Legendre Coefficients 62-Sm-152

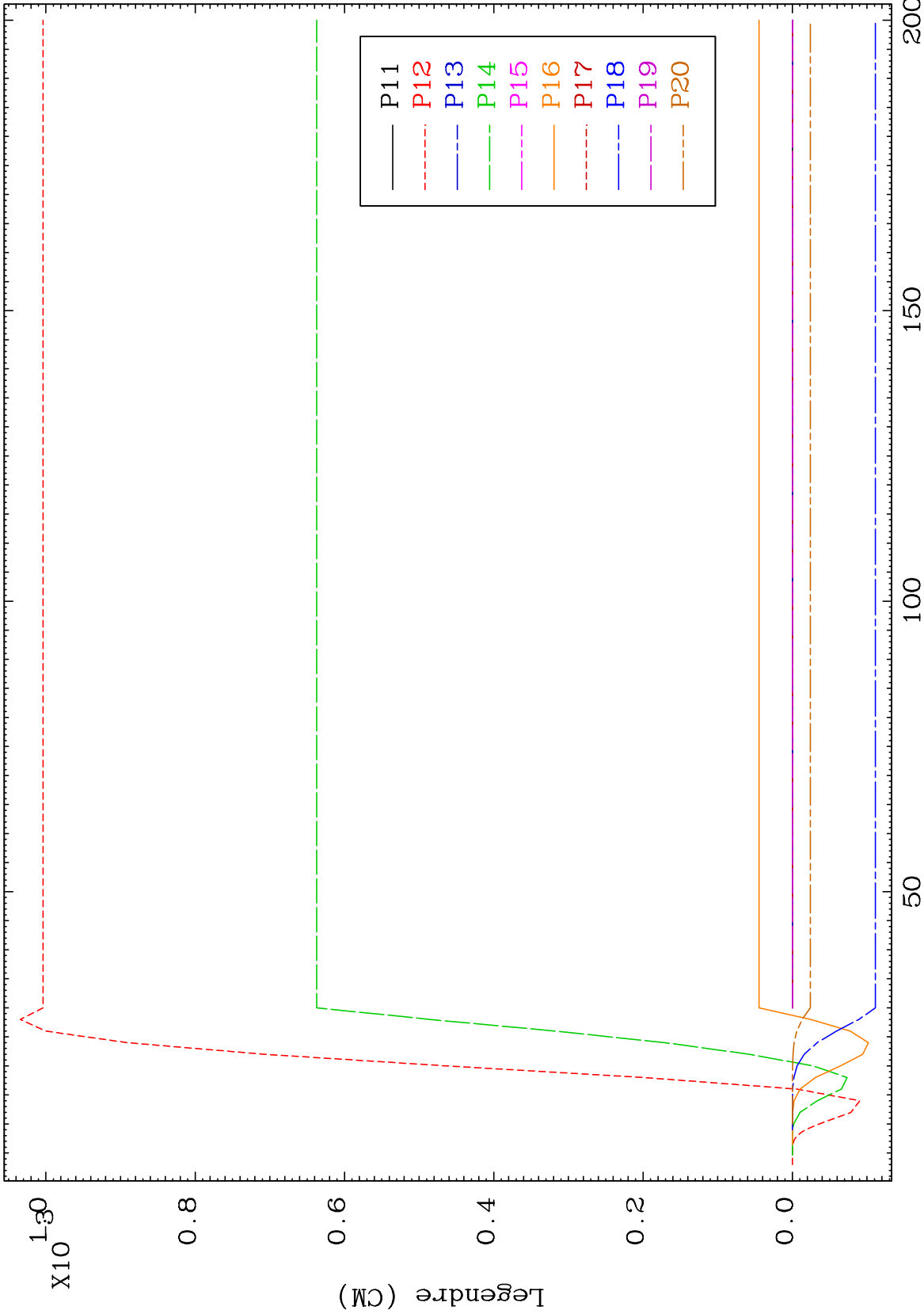


127 62-Sm-152

MAT 6249

MT= 80 (n,n') Level
Legendre Coefficients

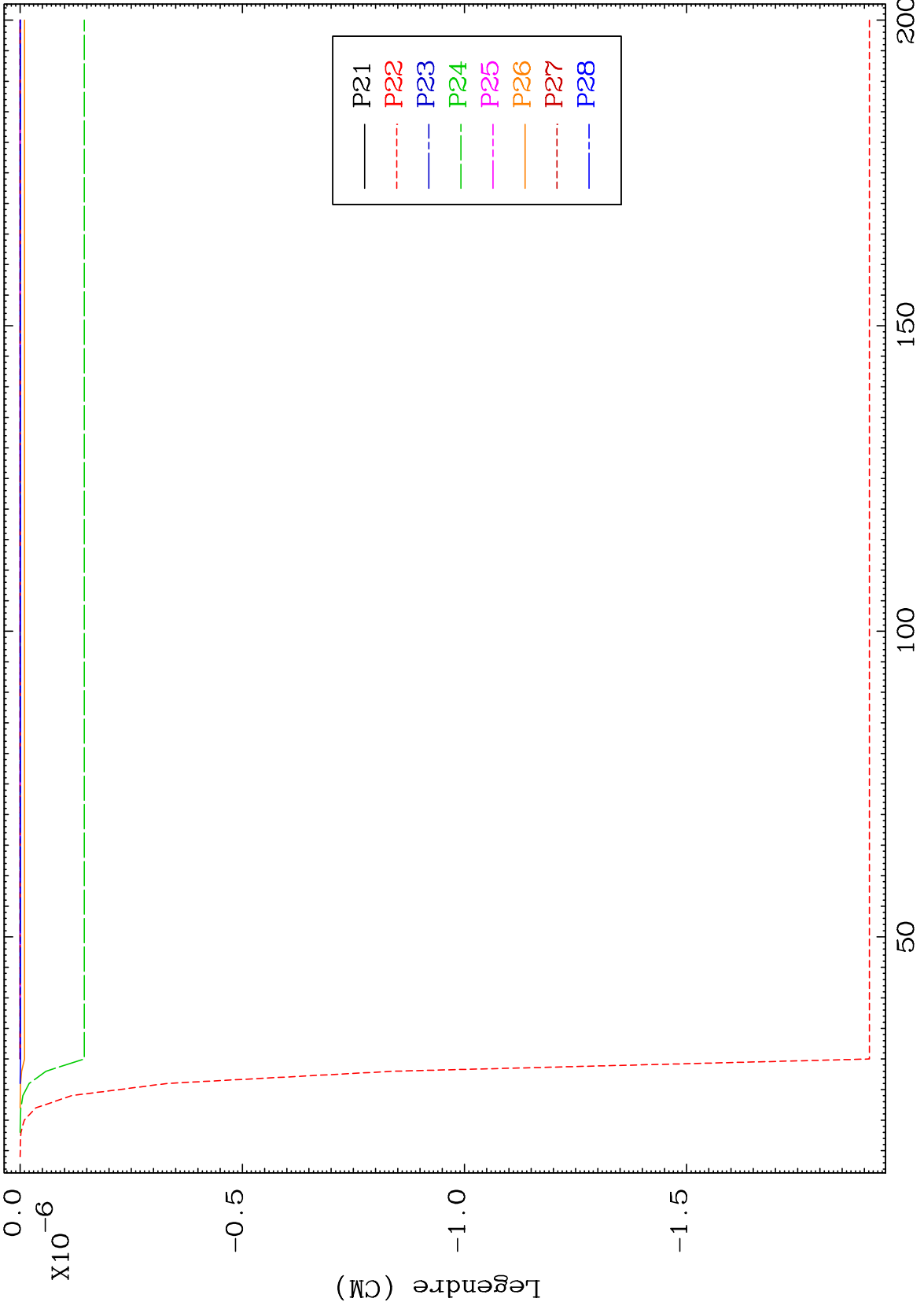
62-Sm-152



128

62-Sm-152

MAT 6249 MT= 80 (n,n') Level Legendre Coefficients 62-Sm-152

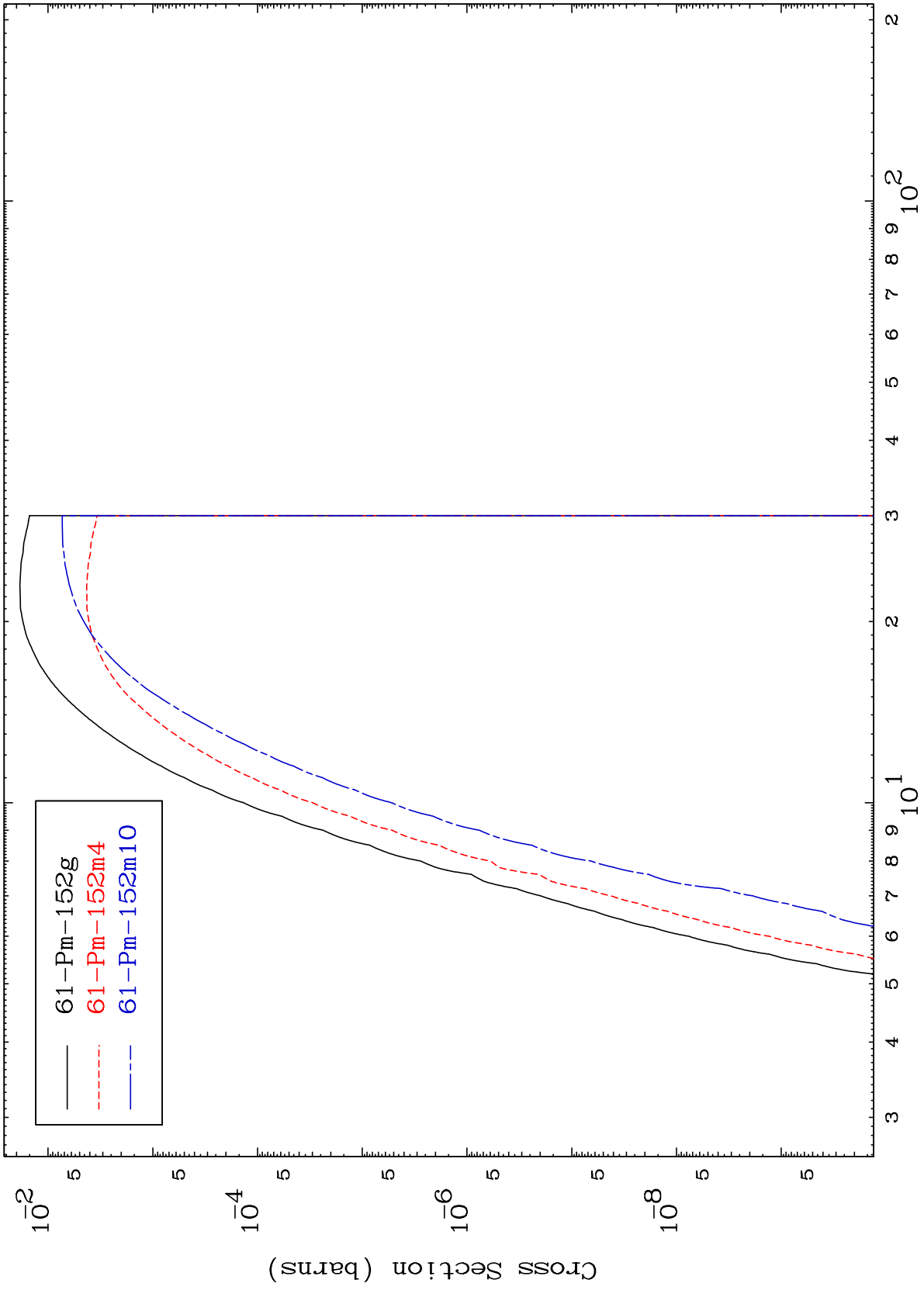


129 62-Sm-152

MAT 6249

62-Sm-152

(n,p)
Radionuclide Production Cross Section



61-Pm-152g
61-Pm-152m4
61-Pm-152m10

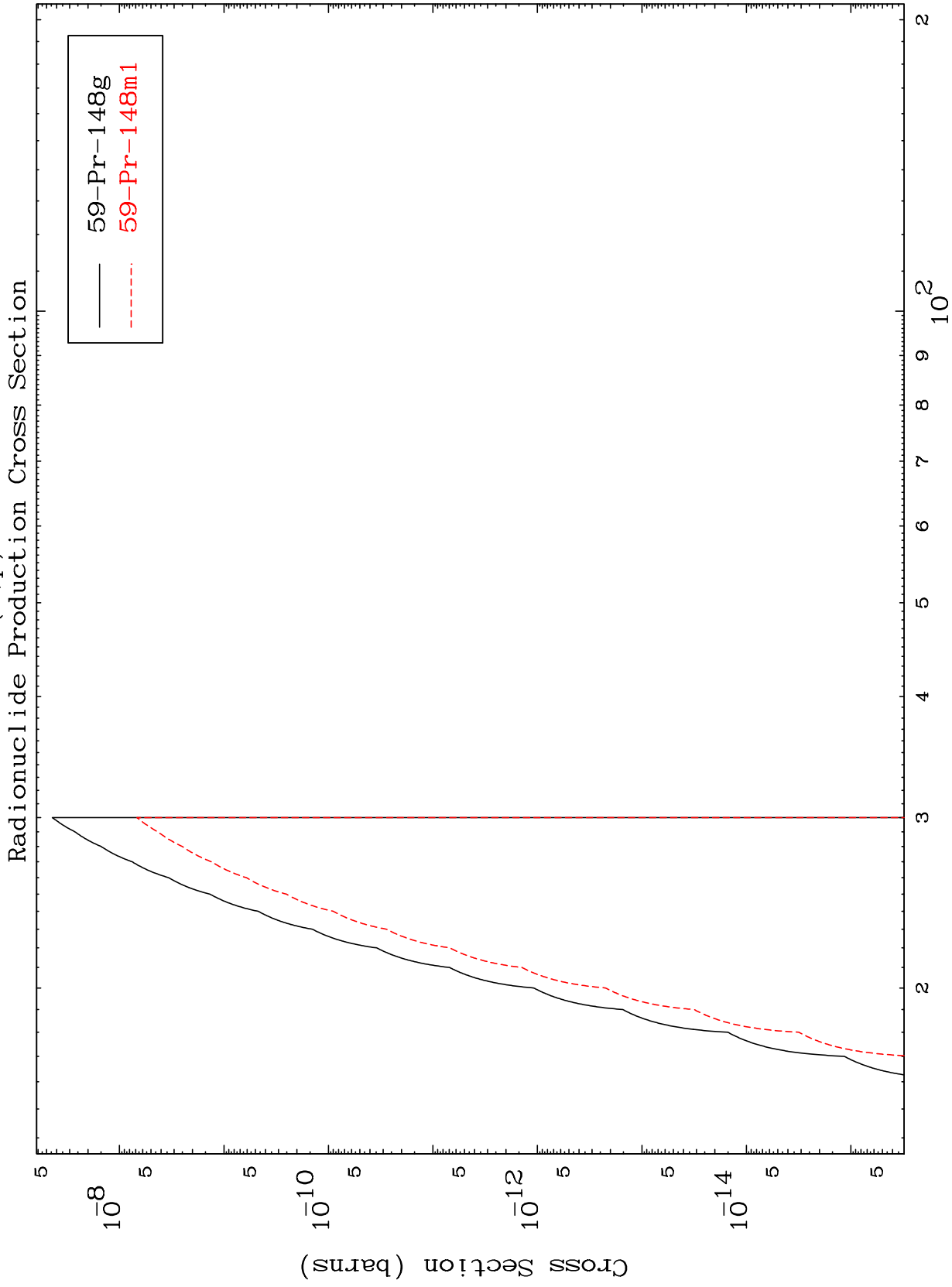
130

62-Sm-152

MAT 6249

(n,p) α

62-Sm-152



131

Incident Energy (MeV)

62-Sm-152