

Program EVALPLOT
(Version 2018-1)

by

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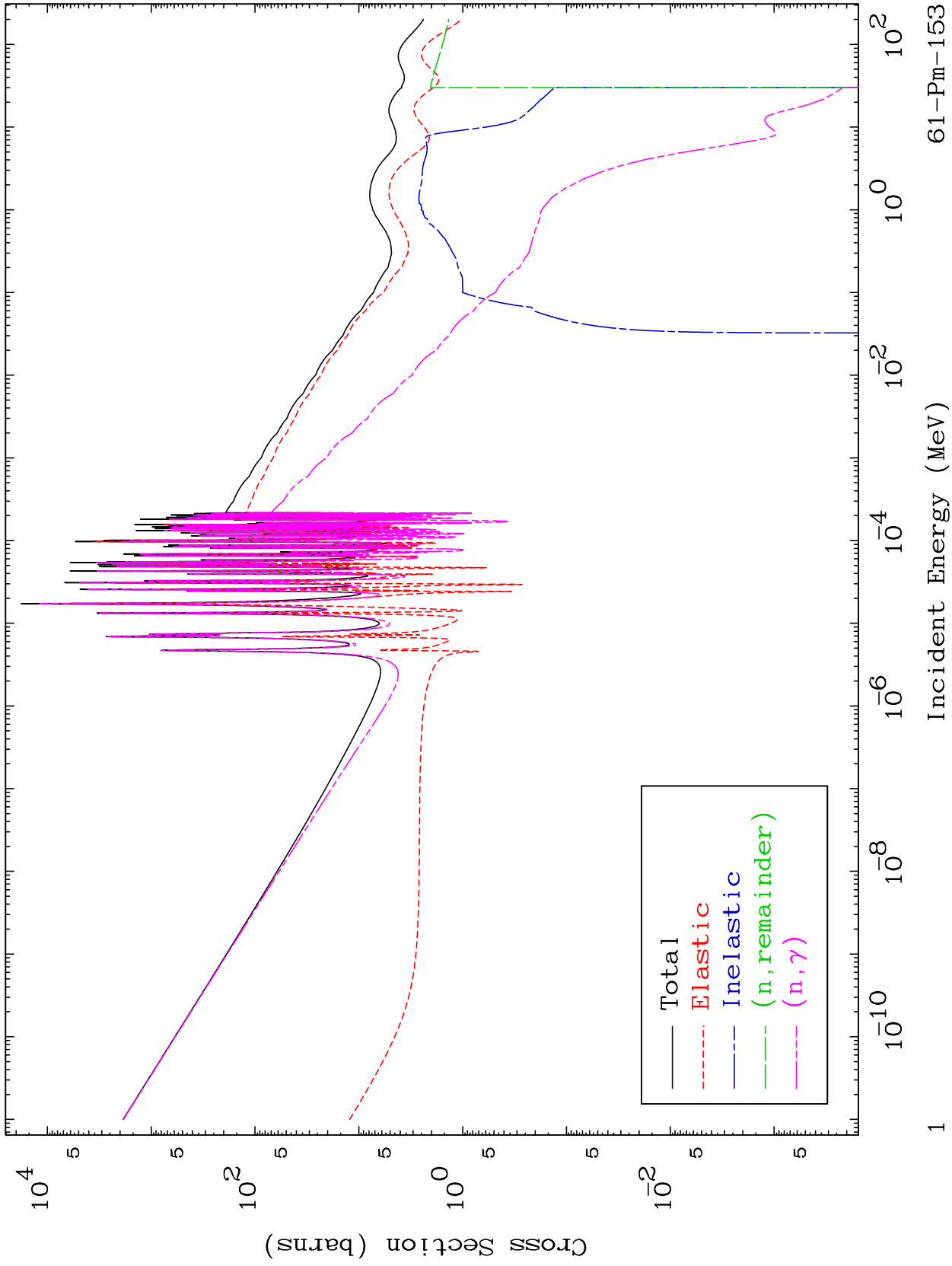
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Web:redcullen1.net/HOMEPAGE.NEW

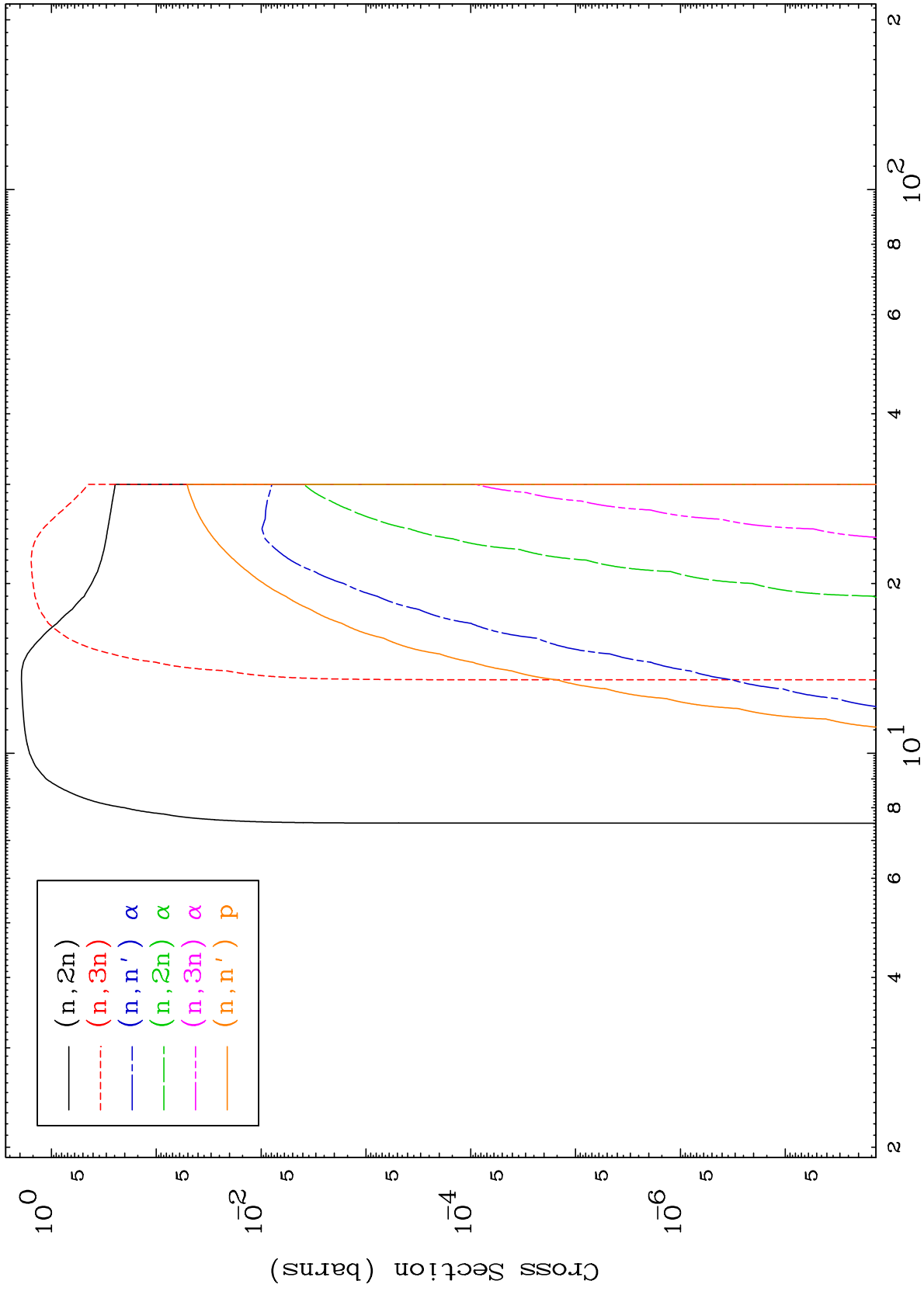
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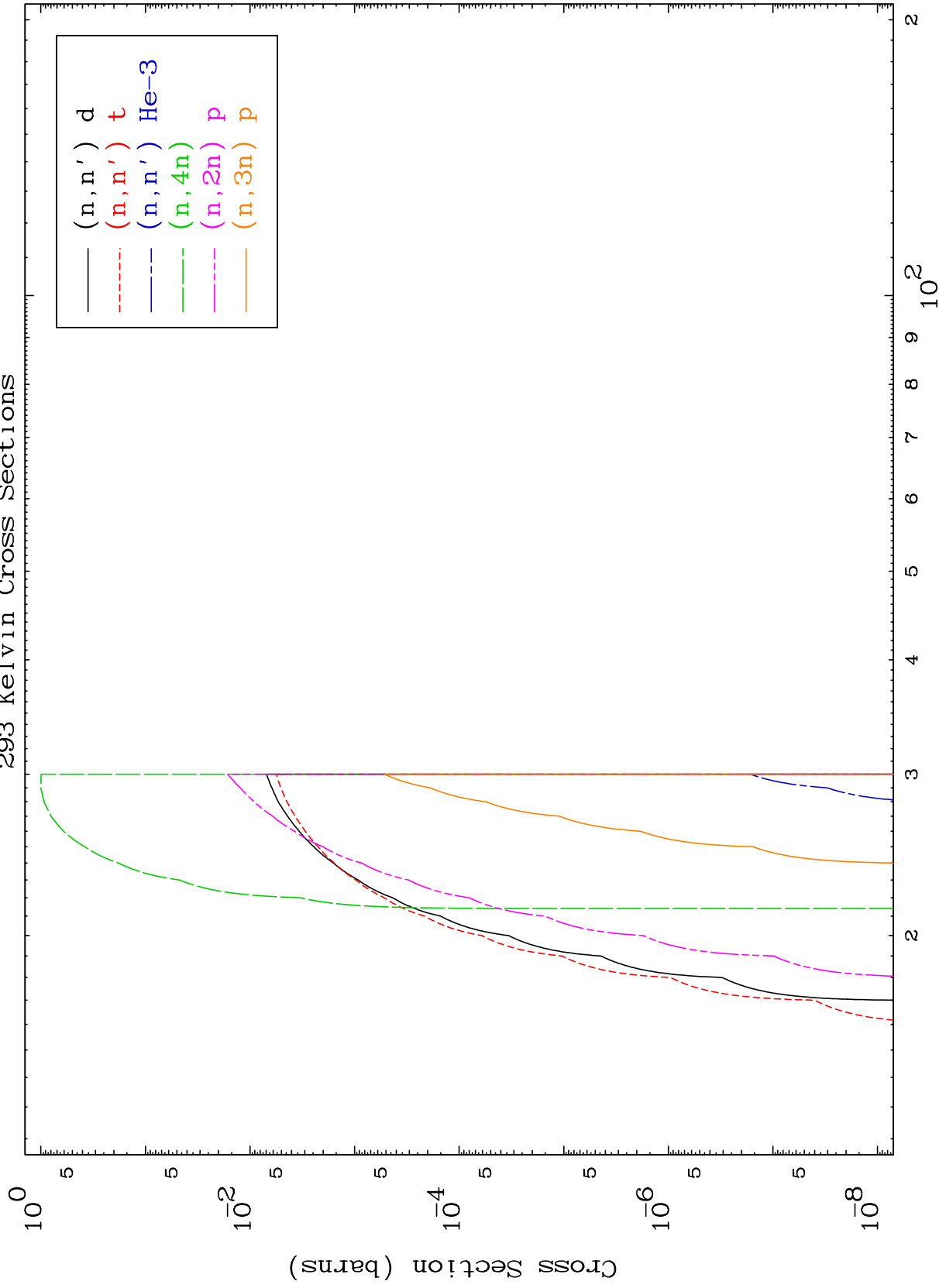
MAT 6167

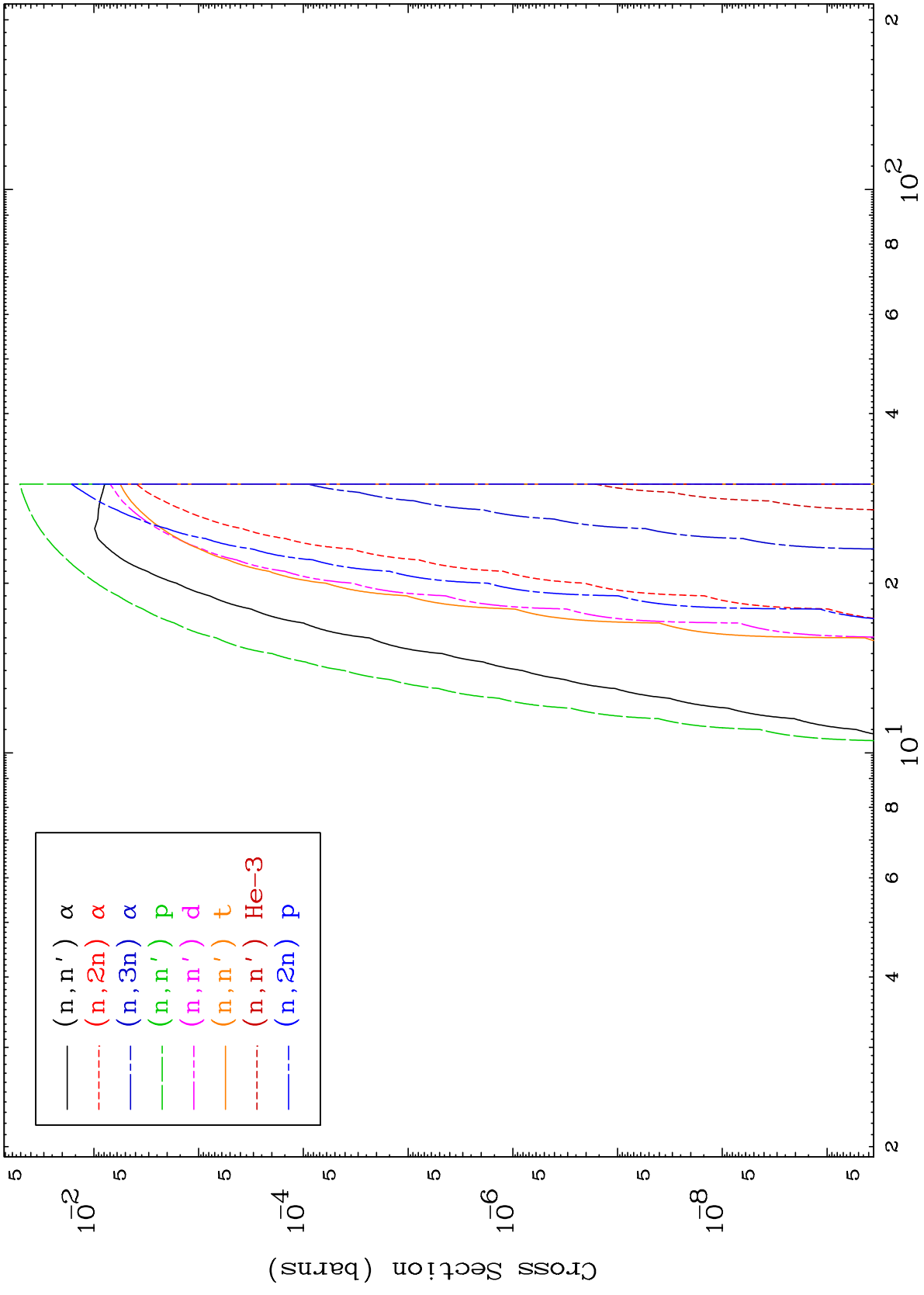
Major
293 Kelvin Cross Sections

61-Pm-153





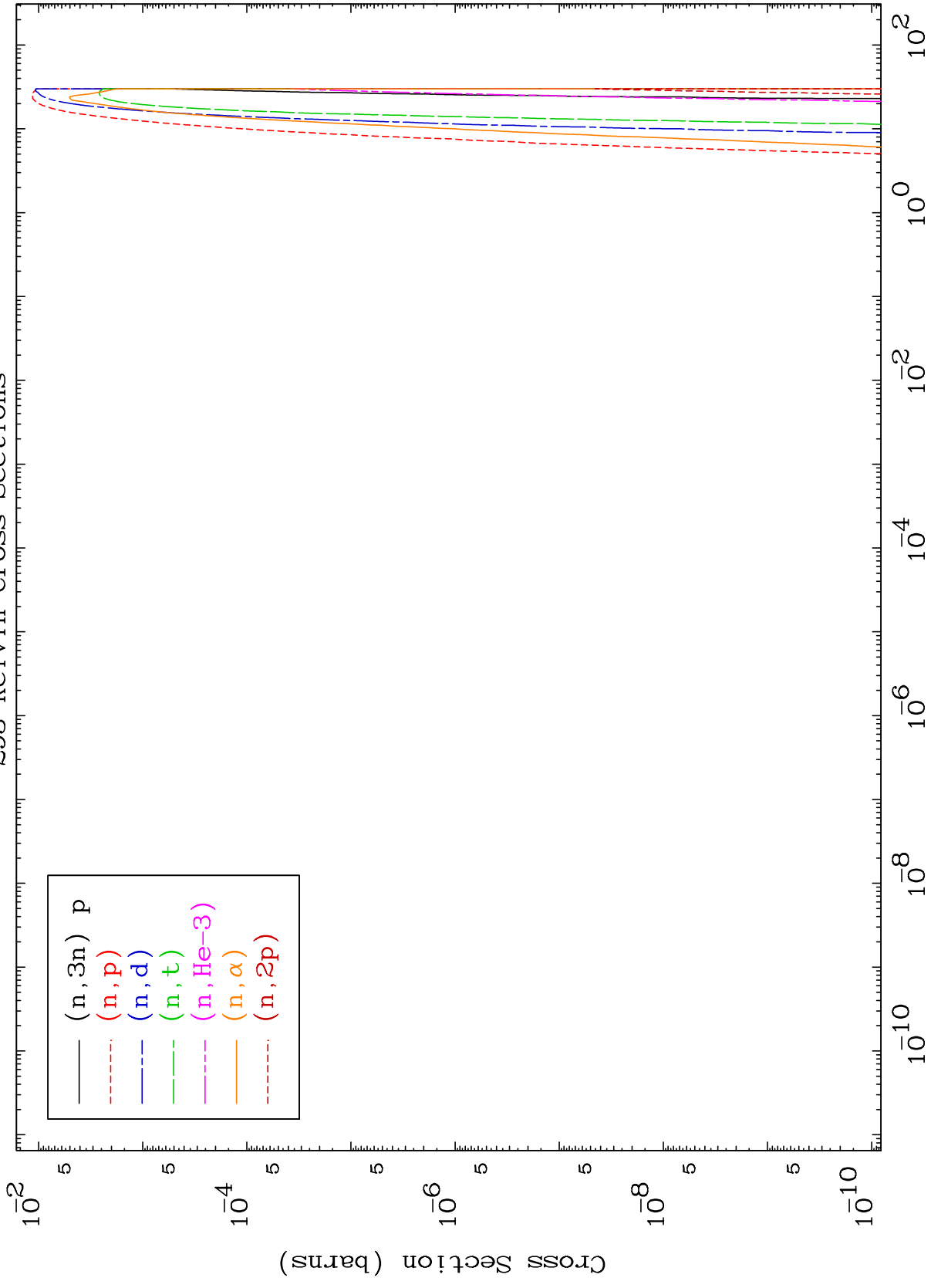




MAT 6167

Charged Particle
293 Kelvin Cross Sections

61-Pm-153

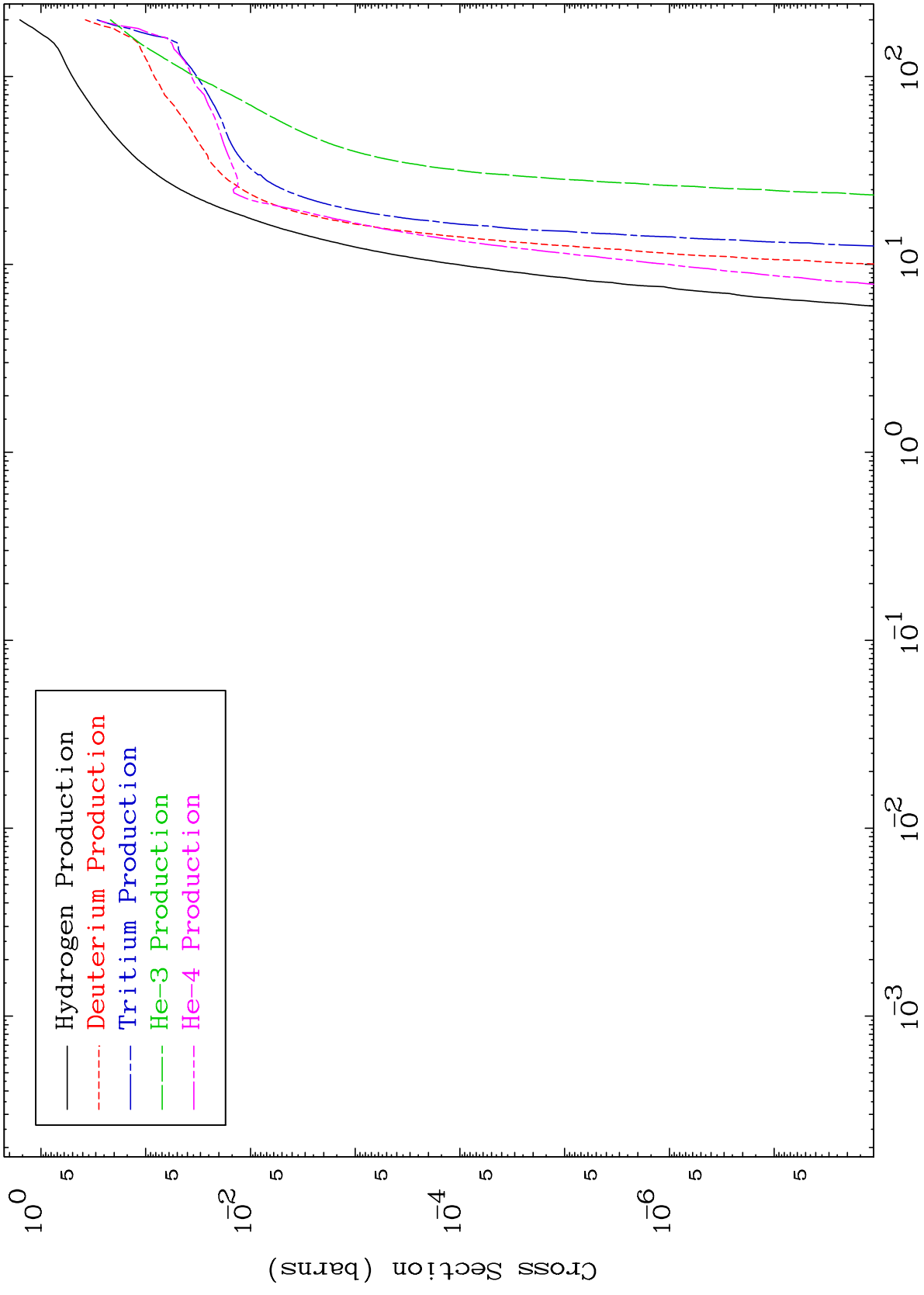


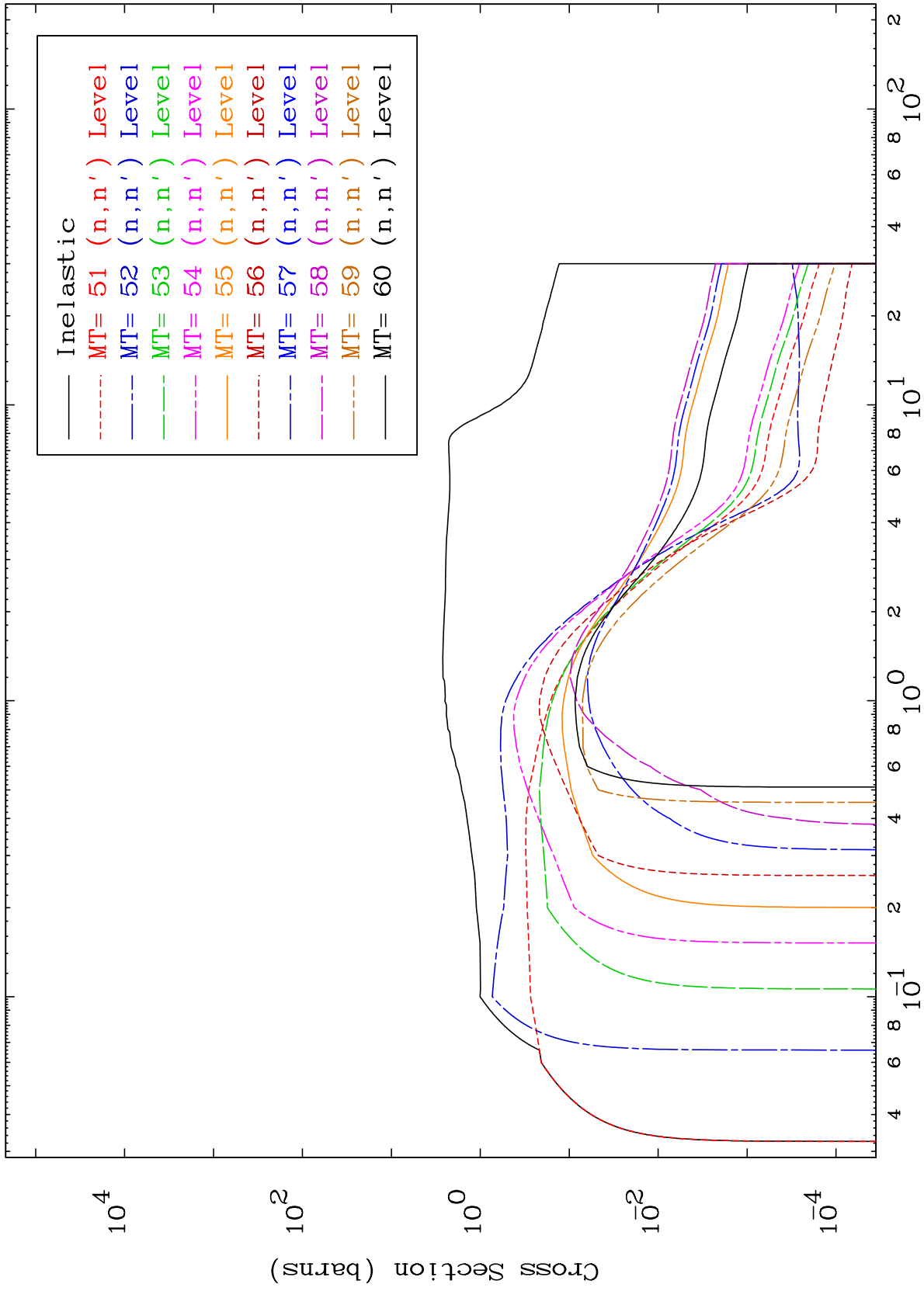
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MAT 6167

Particle Production
293 Kelvin Cross Sections

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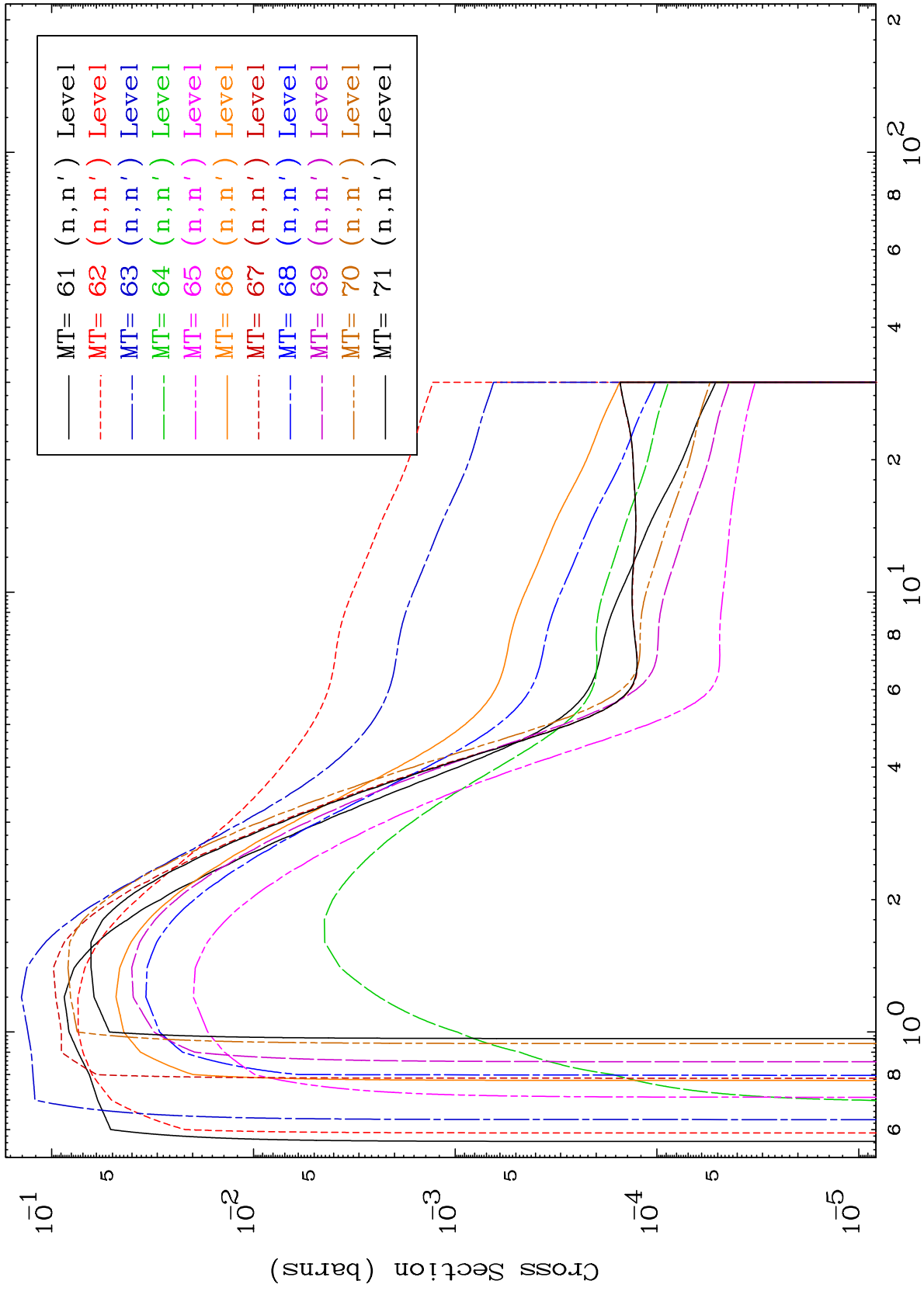




MAT 6167

(n,n') Level
293 Kelvin Cross Sections

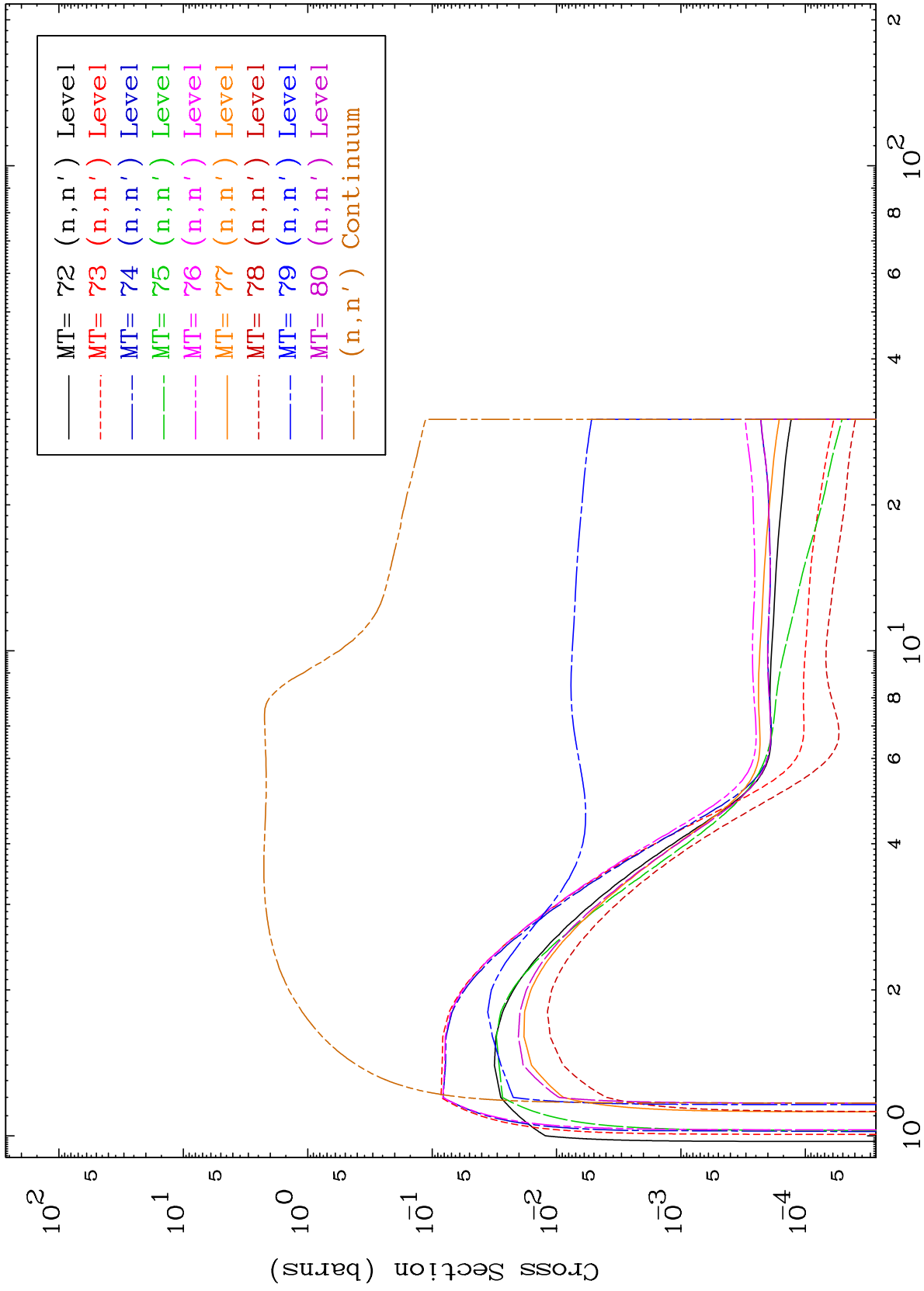
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Incident Energy (MeV)

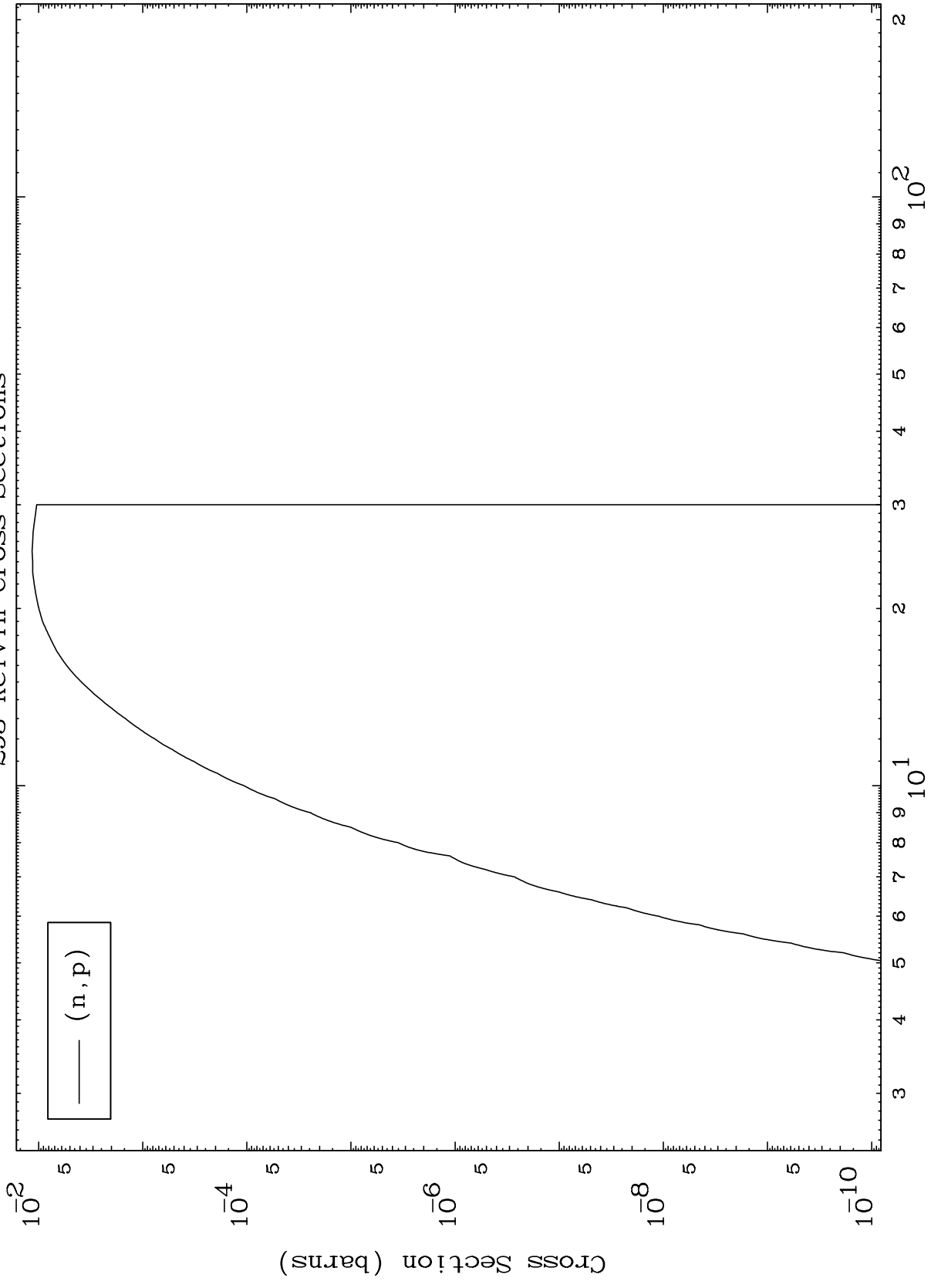
61-Pm-153



MAT 6167

(n,p) Levels
293 Kelvin Cross Sections

61-Pm-153



10

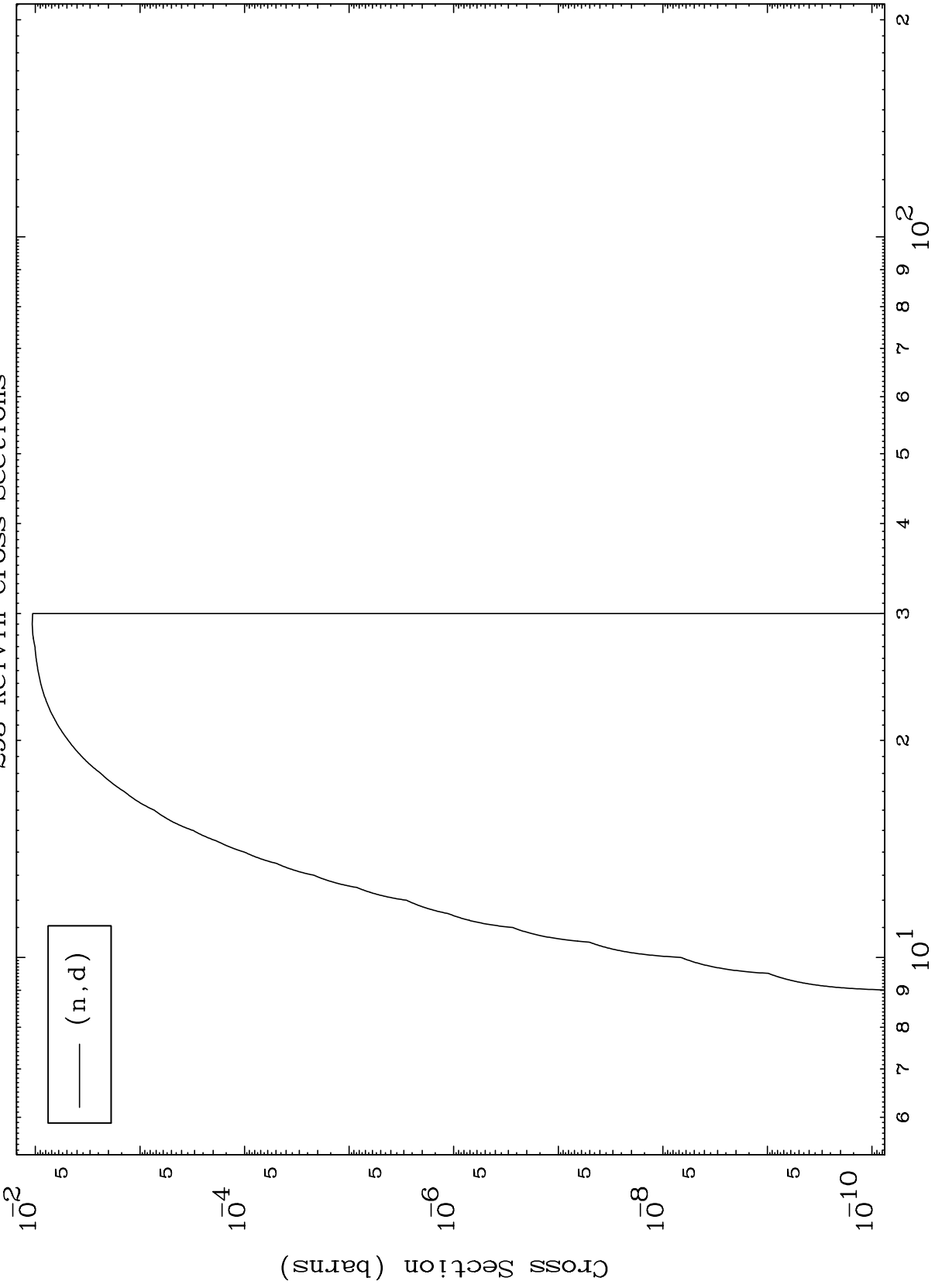
Incident Energy (MeV)

61-Pm-153

MAT 6167

61-Pm-153

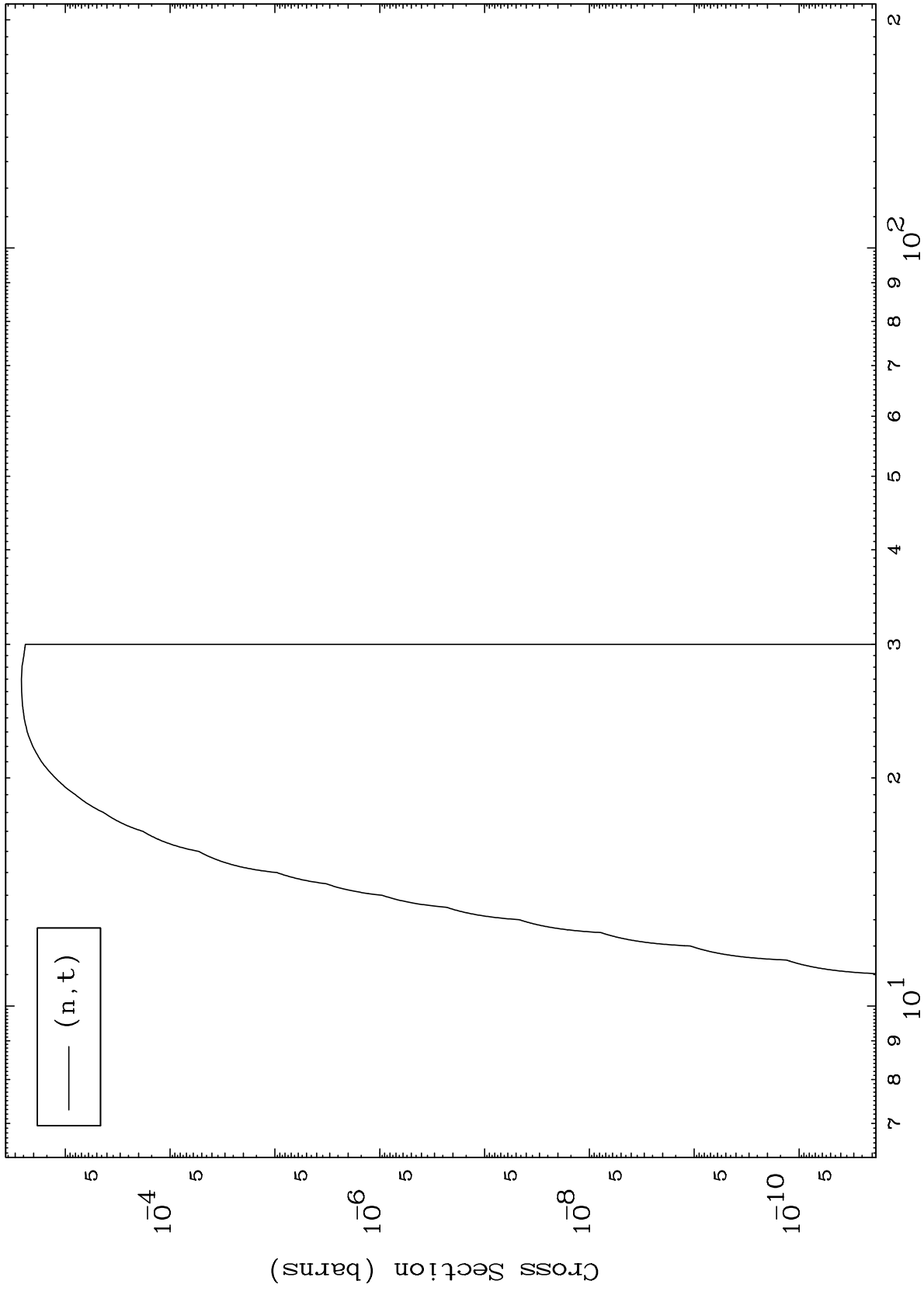
(n,d) Levels
293 Kelvin Cross Sections

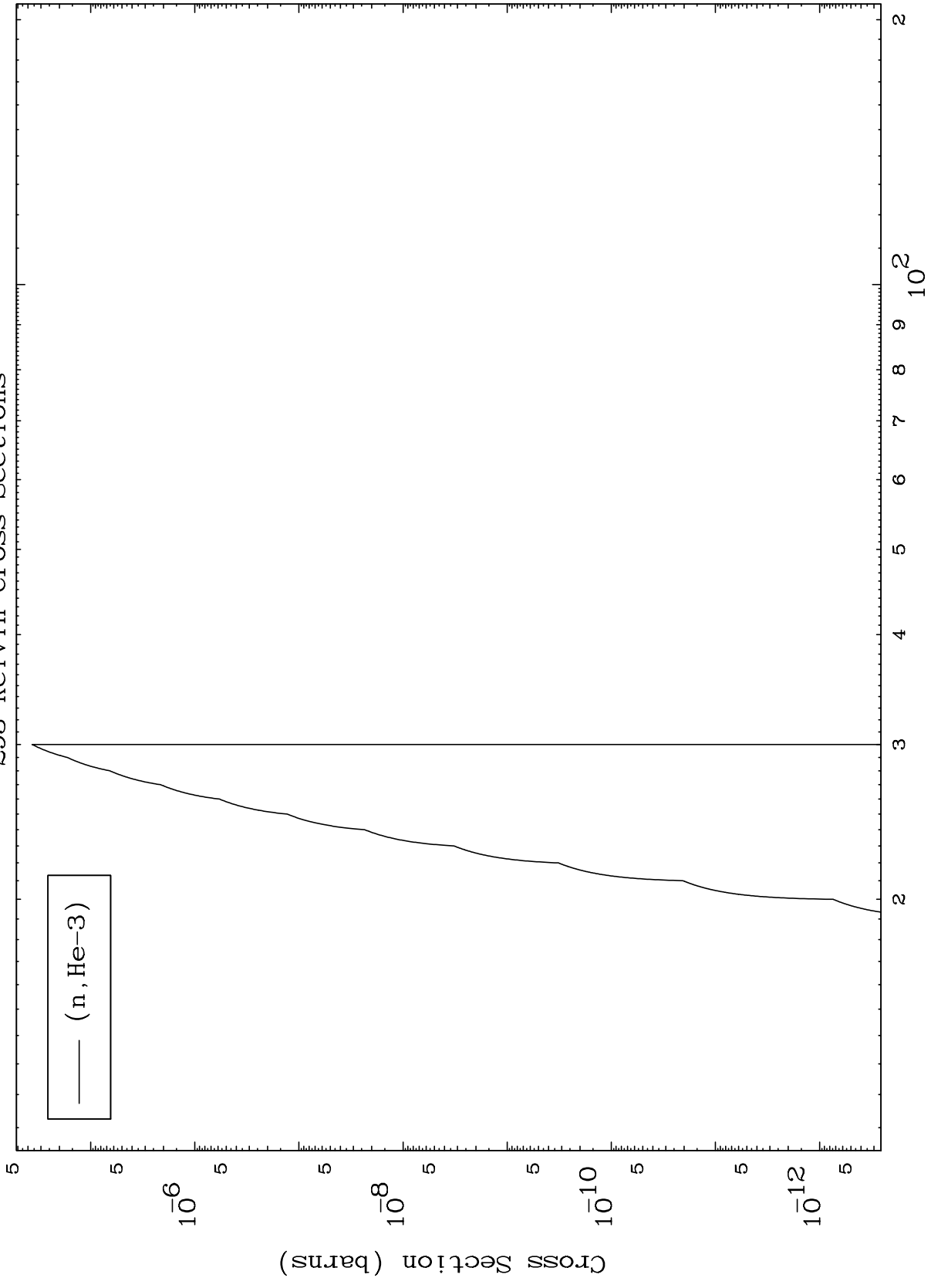


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Incident Energy (MeV)

61-Pm-153

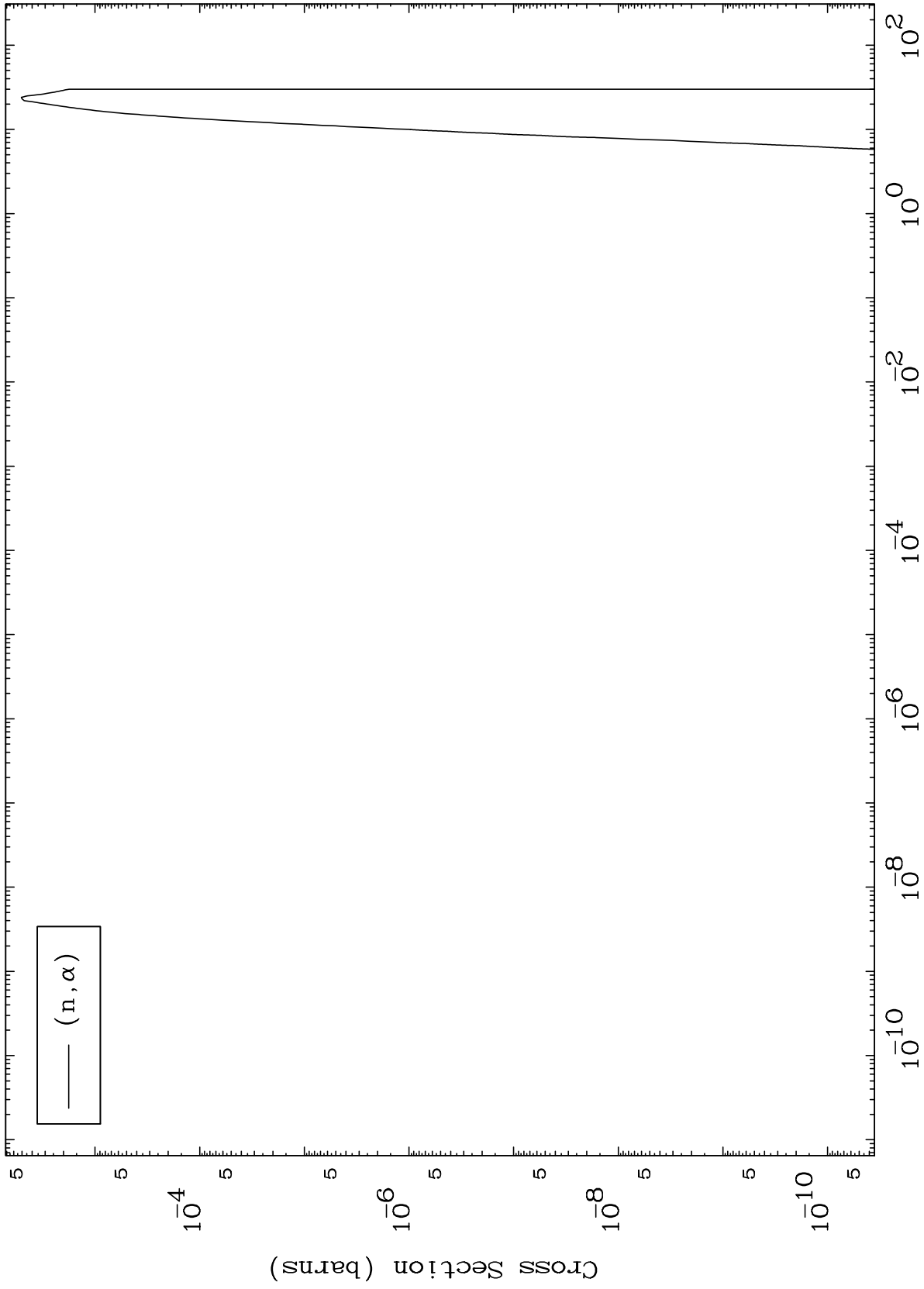


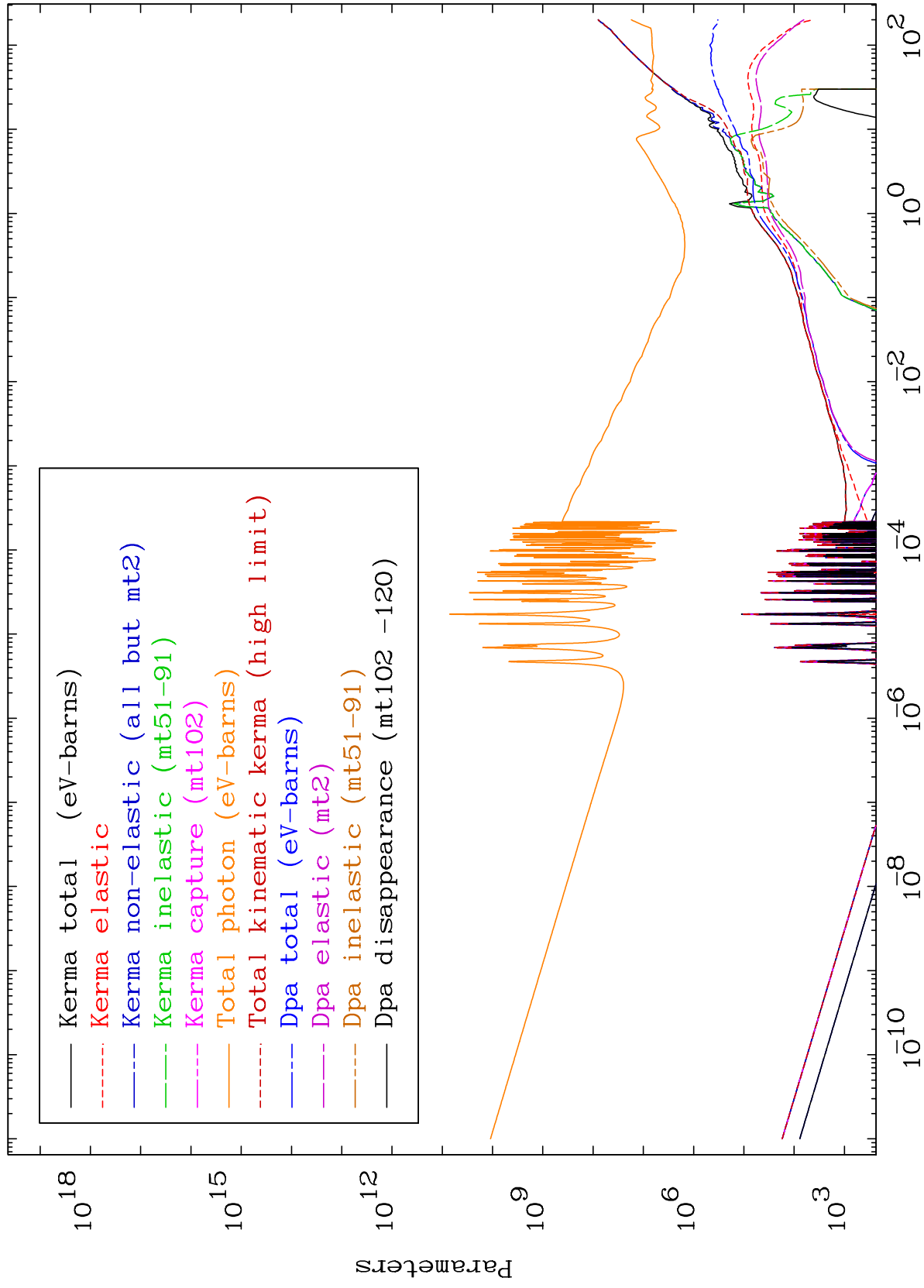


MAT 6167

(n,α) Levels
293 Kelvin Cross Sections

61-Pm-153

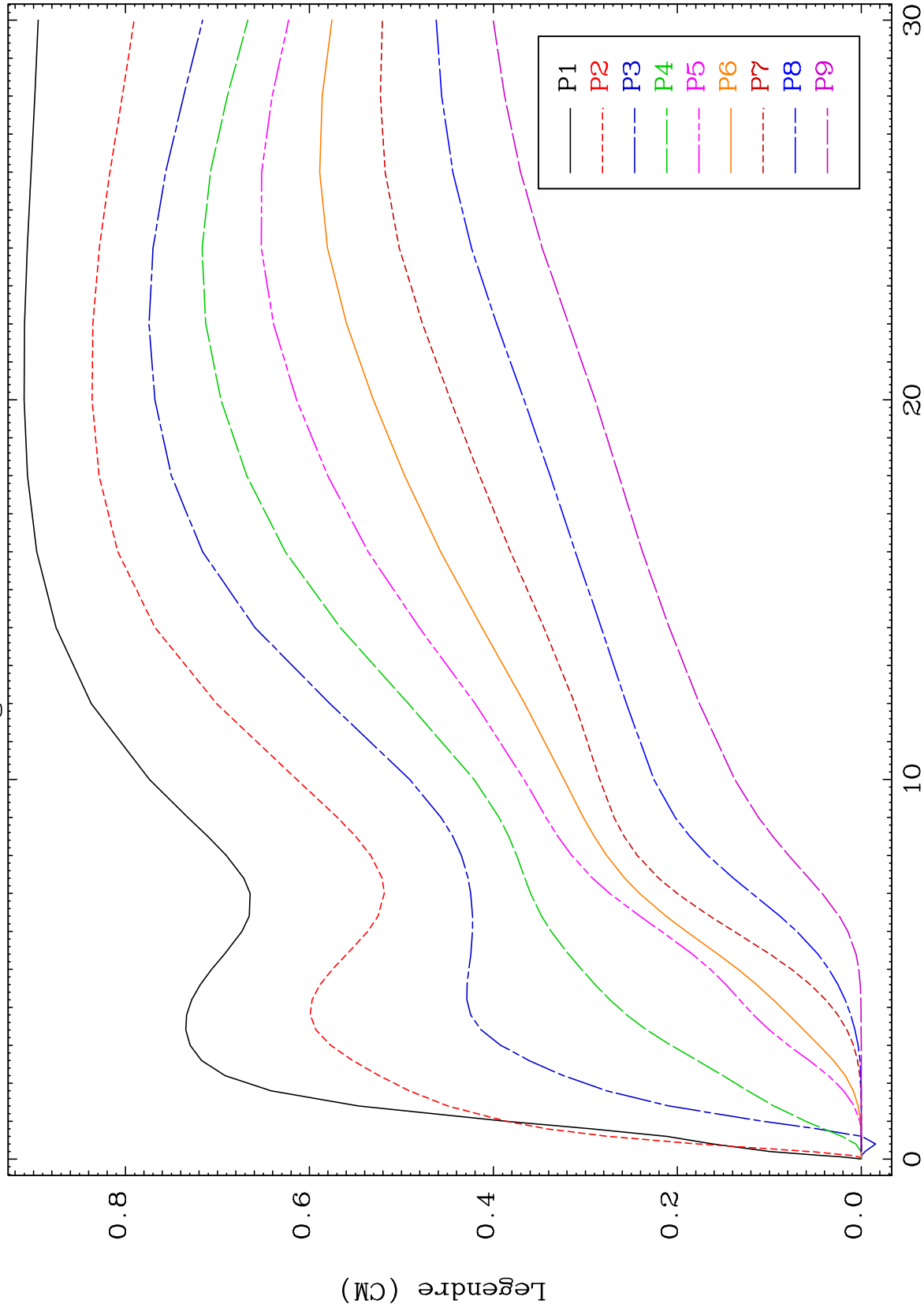




MAT 6167

Elastic Legendre Coefficients

61-Pm-153



16

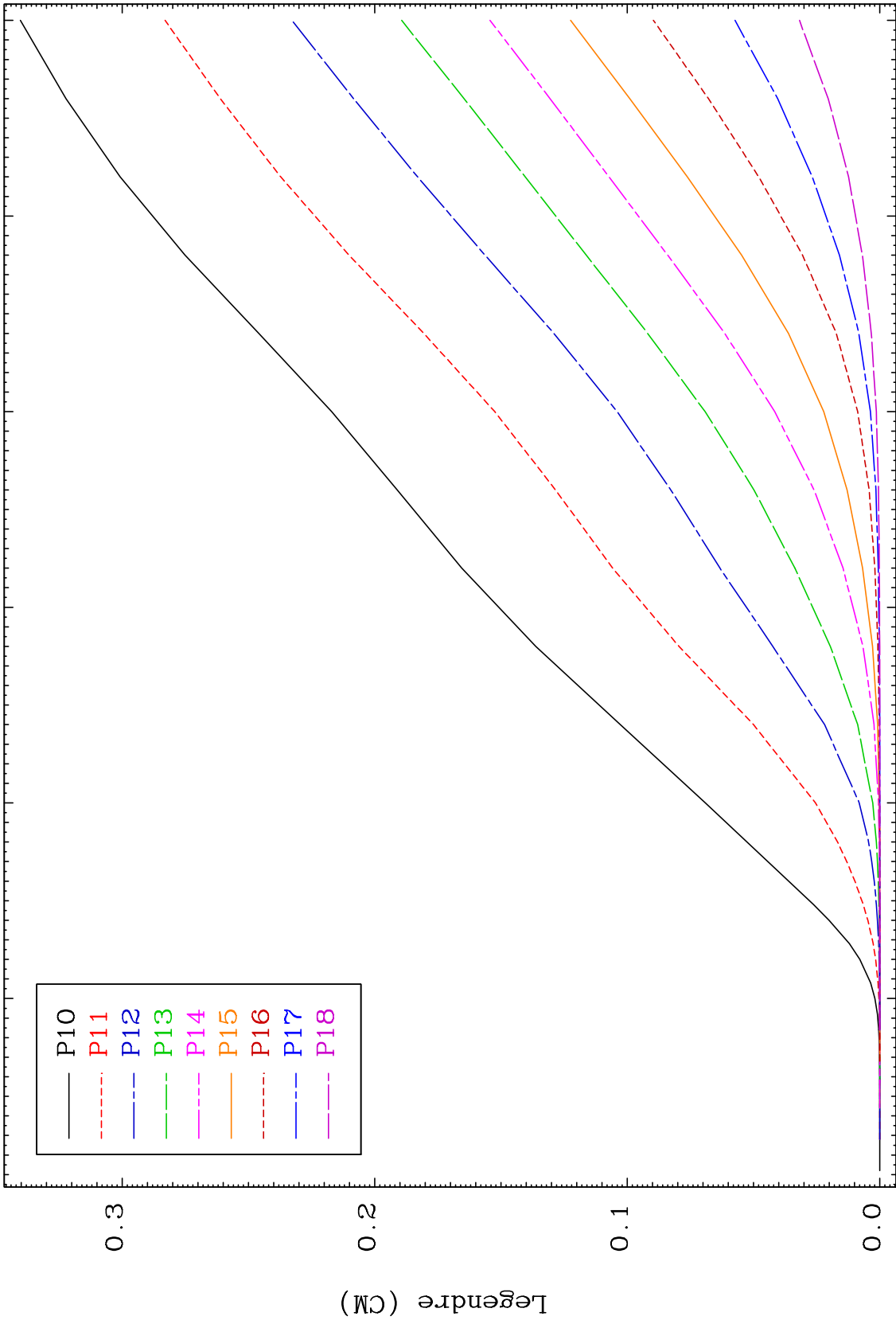
Incident Energy (MeV)

61-Pm-153

MAT 6167

Elastic Legendre Coefficients

61-Pm-153



17

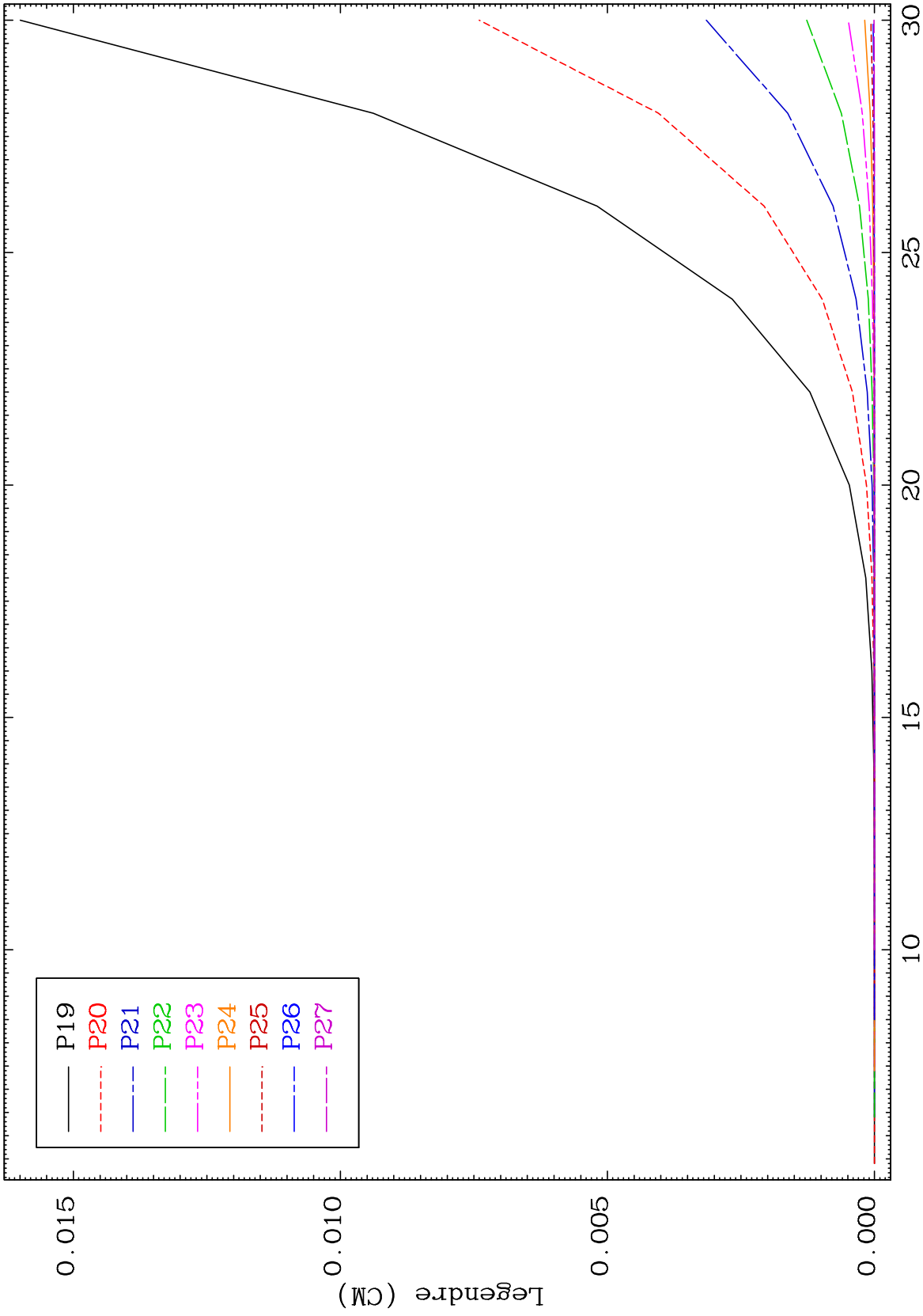
Incident Energy (MeV)

61-Pm-153

MAT 6167

Elastic Legendre Coefficients

61-Pm-153



18

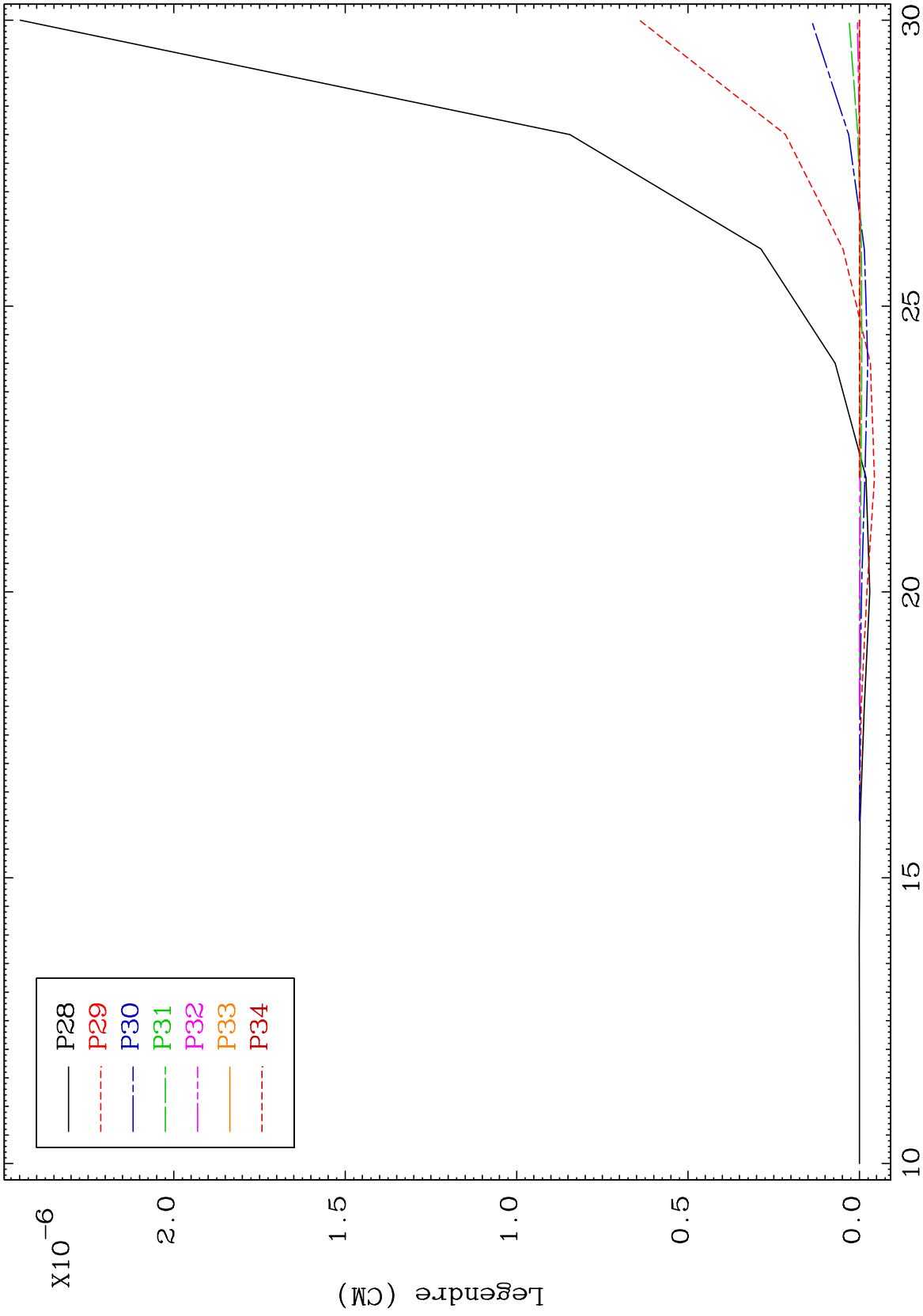
Incident Energy (MeV)

61-Pm-153

MAT 6167

Elastic Legendre Coefficients

61-Pm-153



19

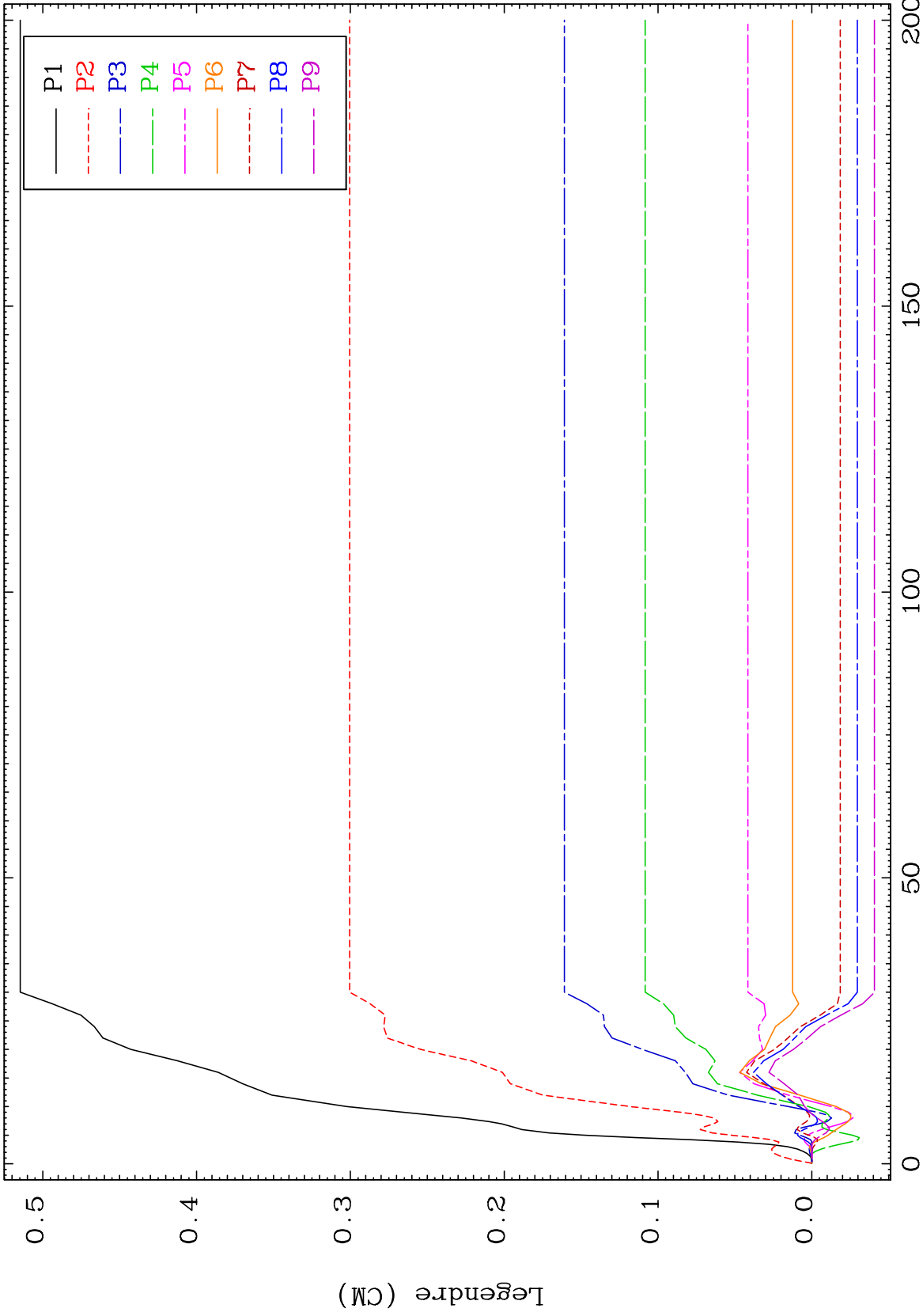
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



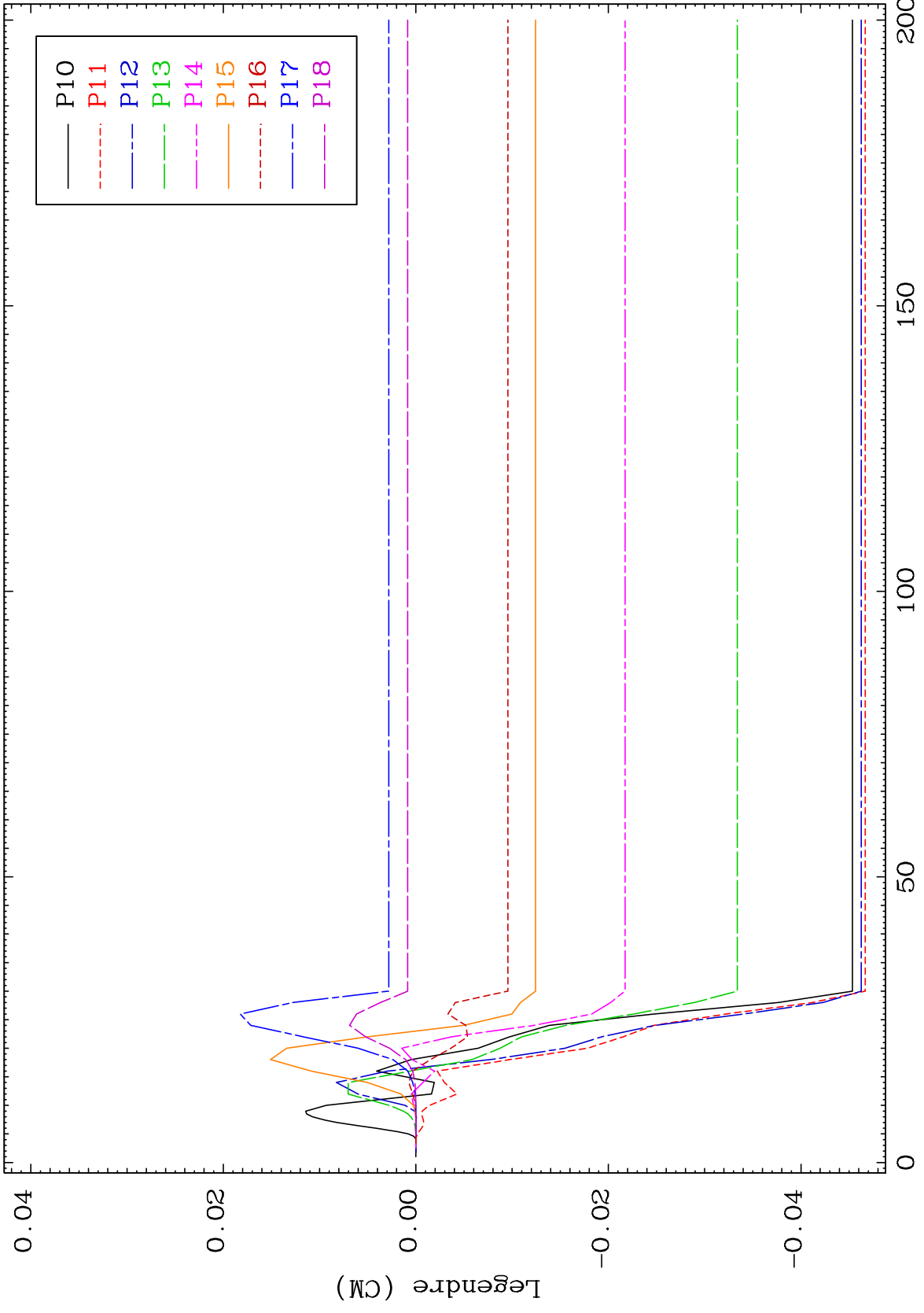
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



21

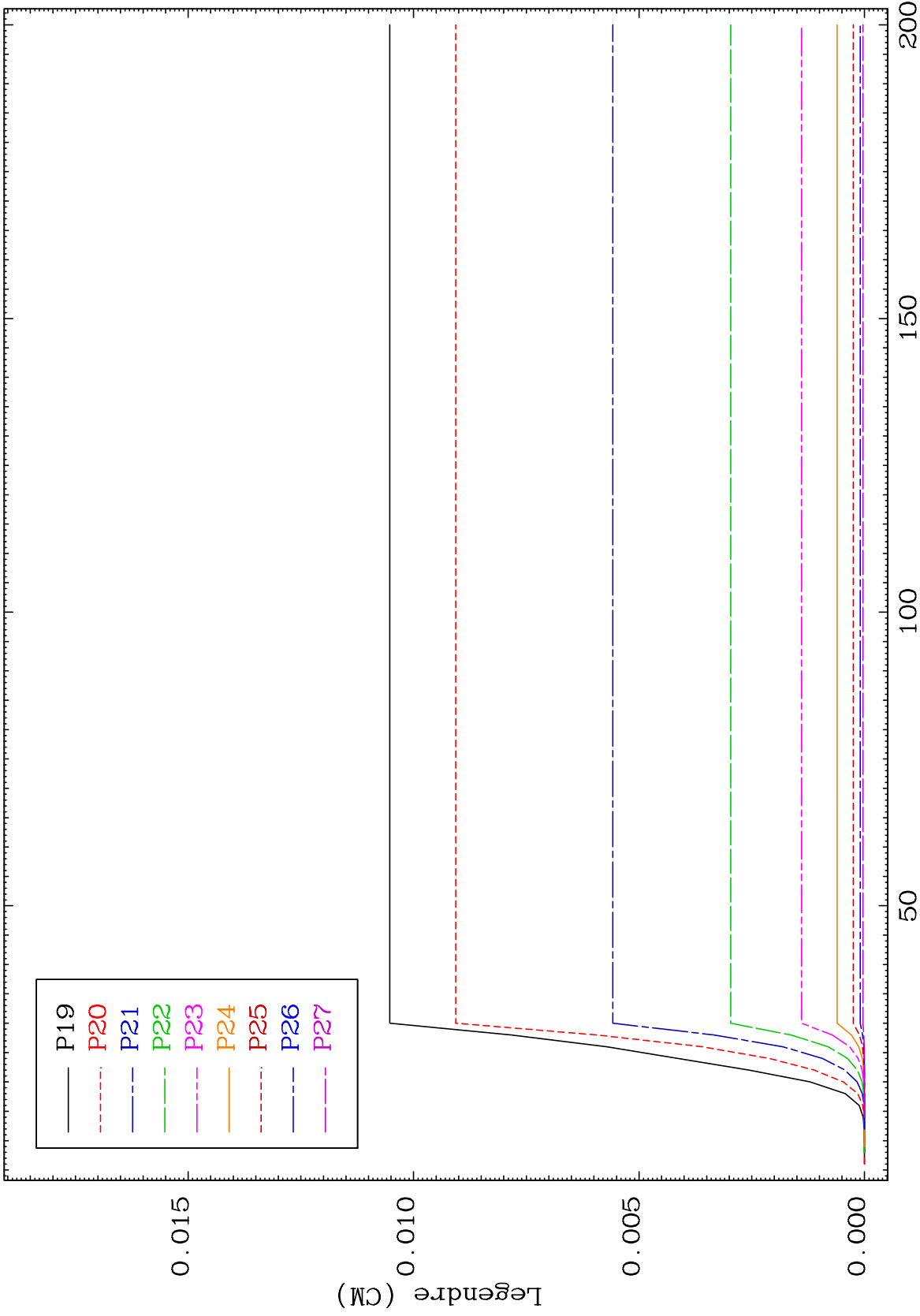
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



22

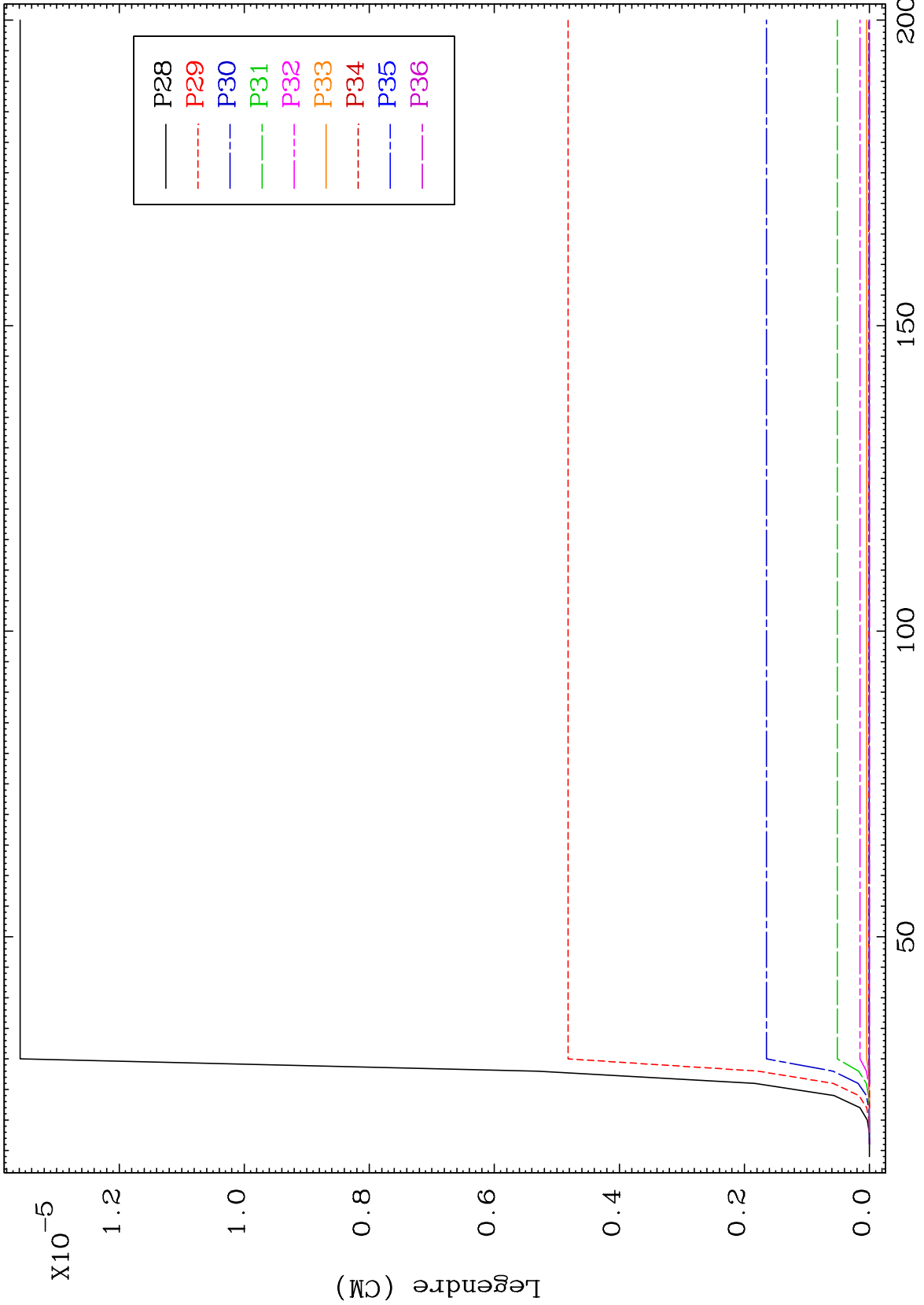
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



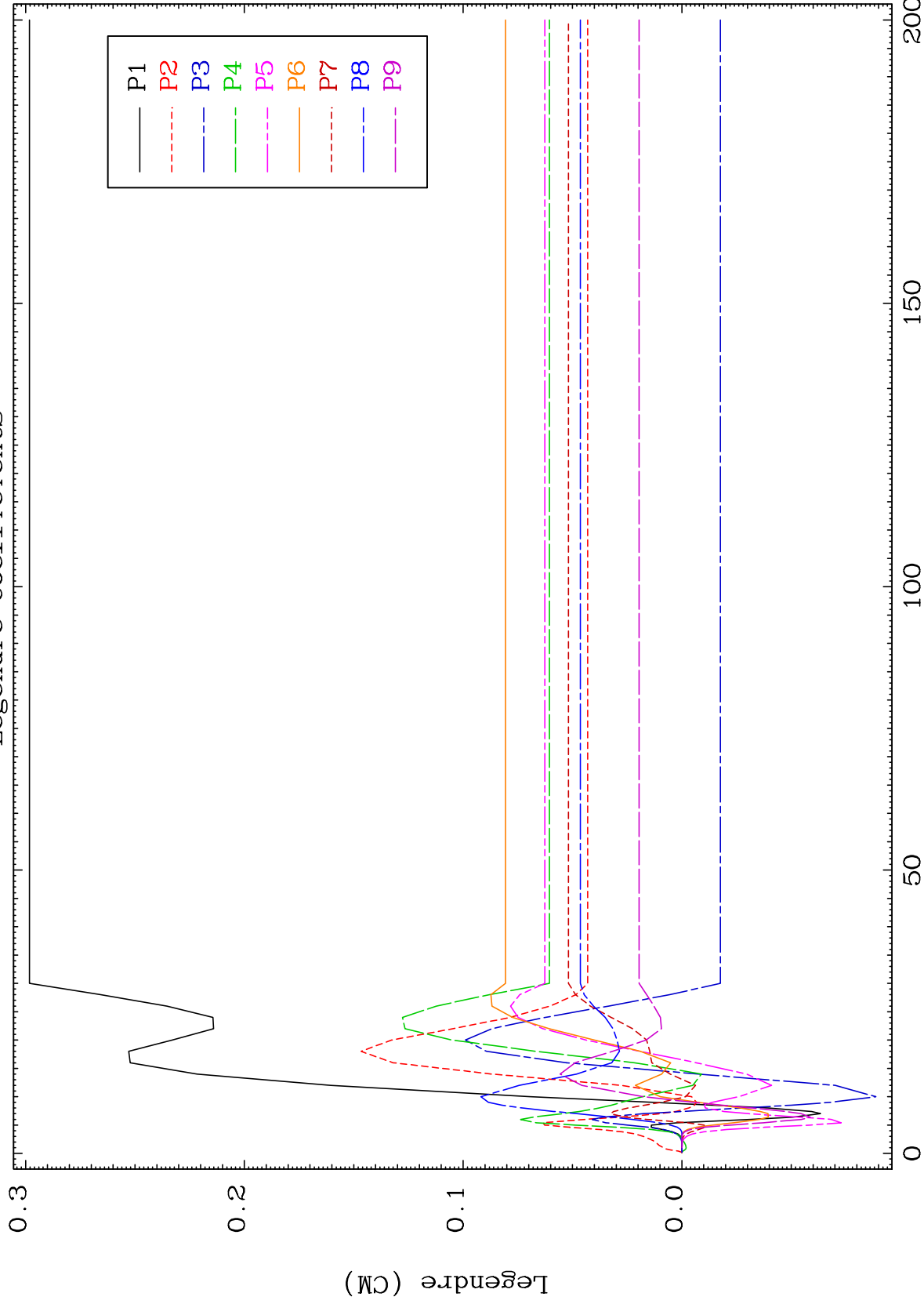
23

61-Pm-153

MAT 6167

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

61-Pm-153



24

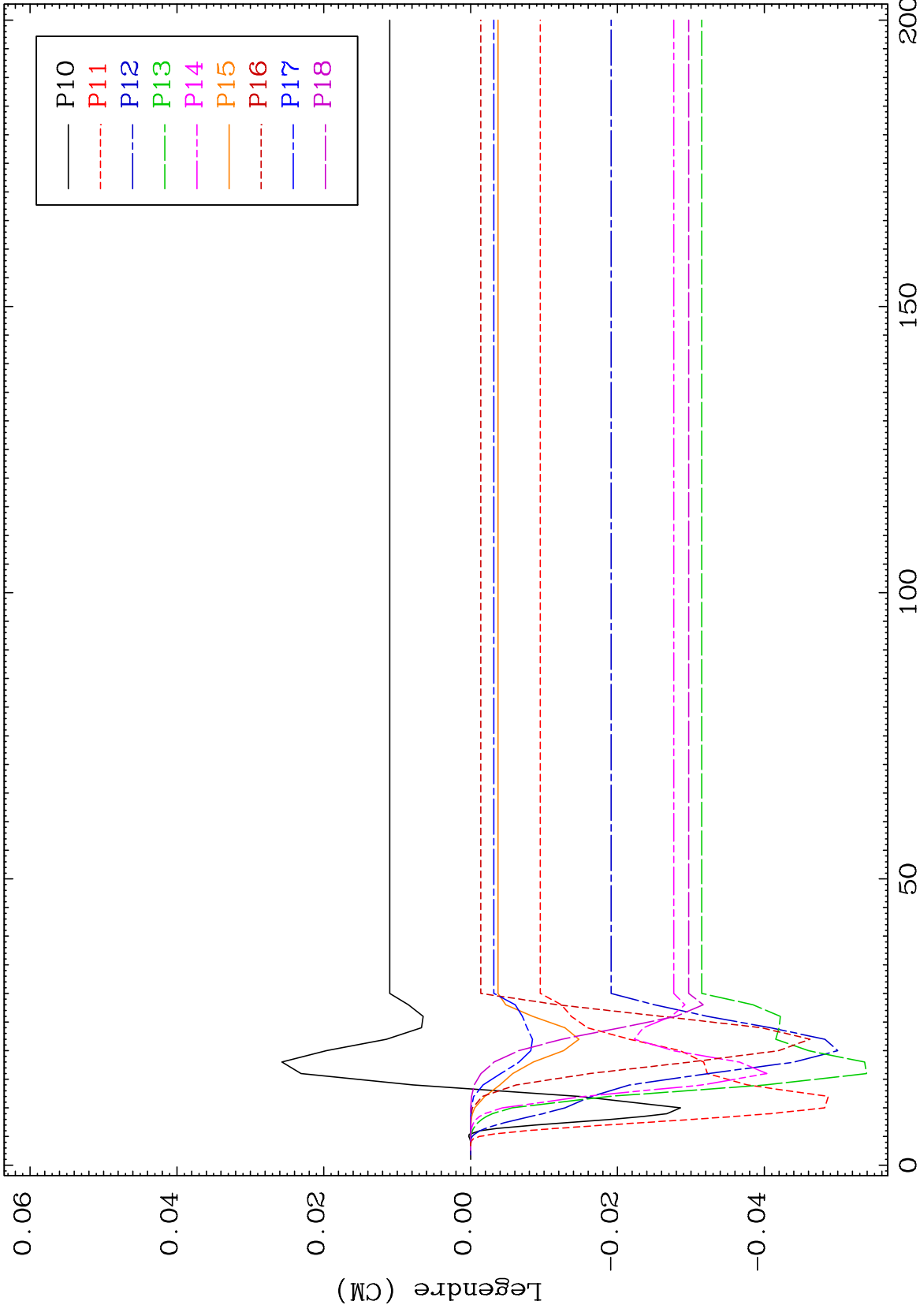
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



25

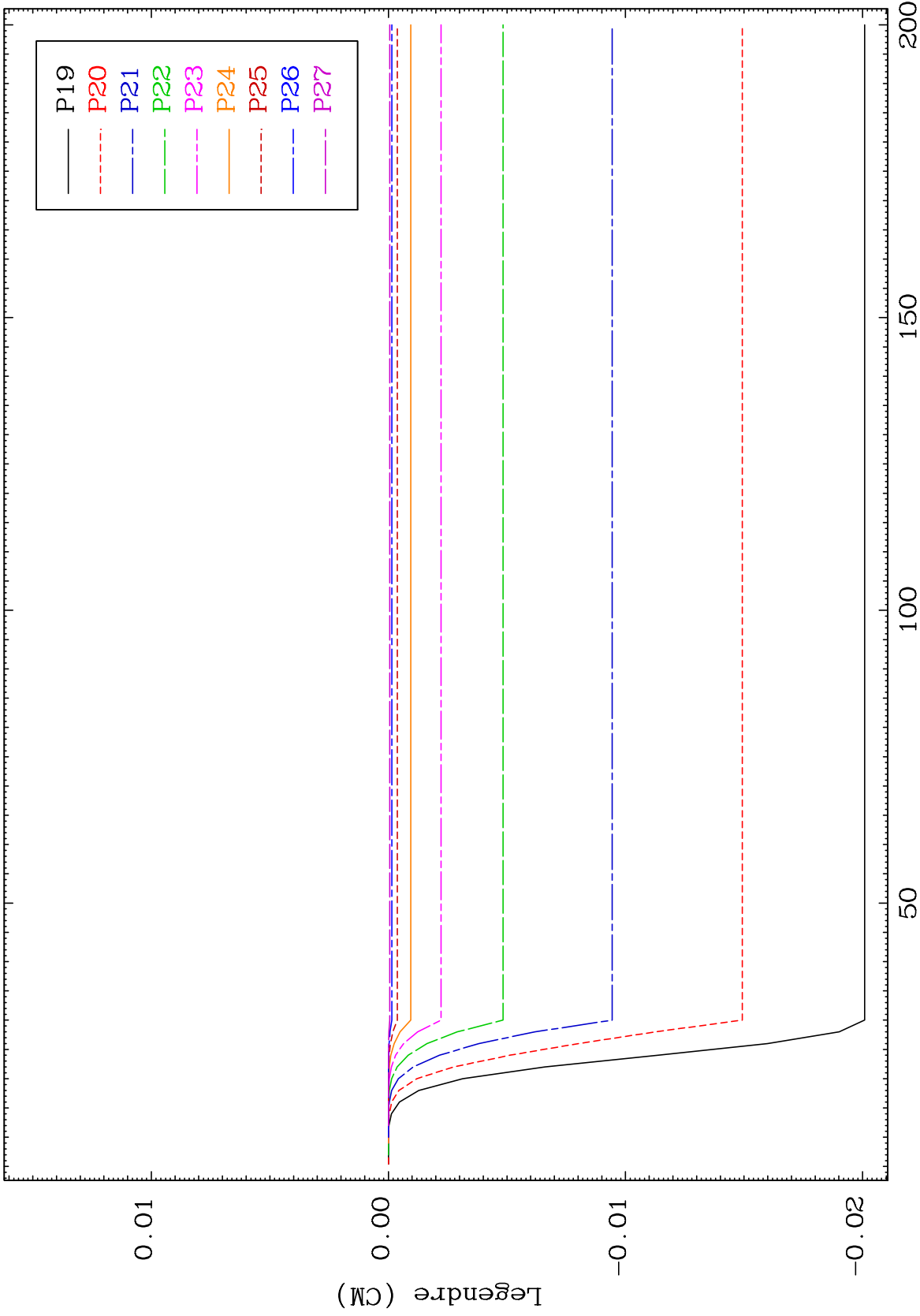
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



26

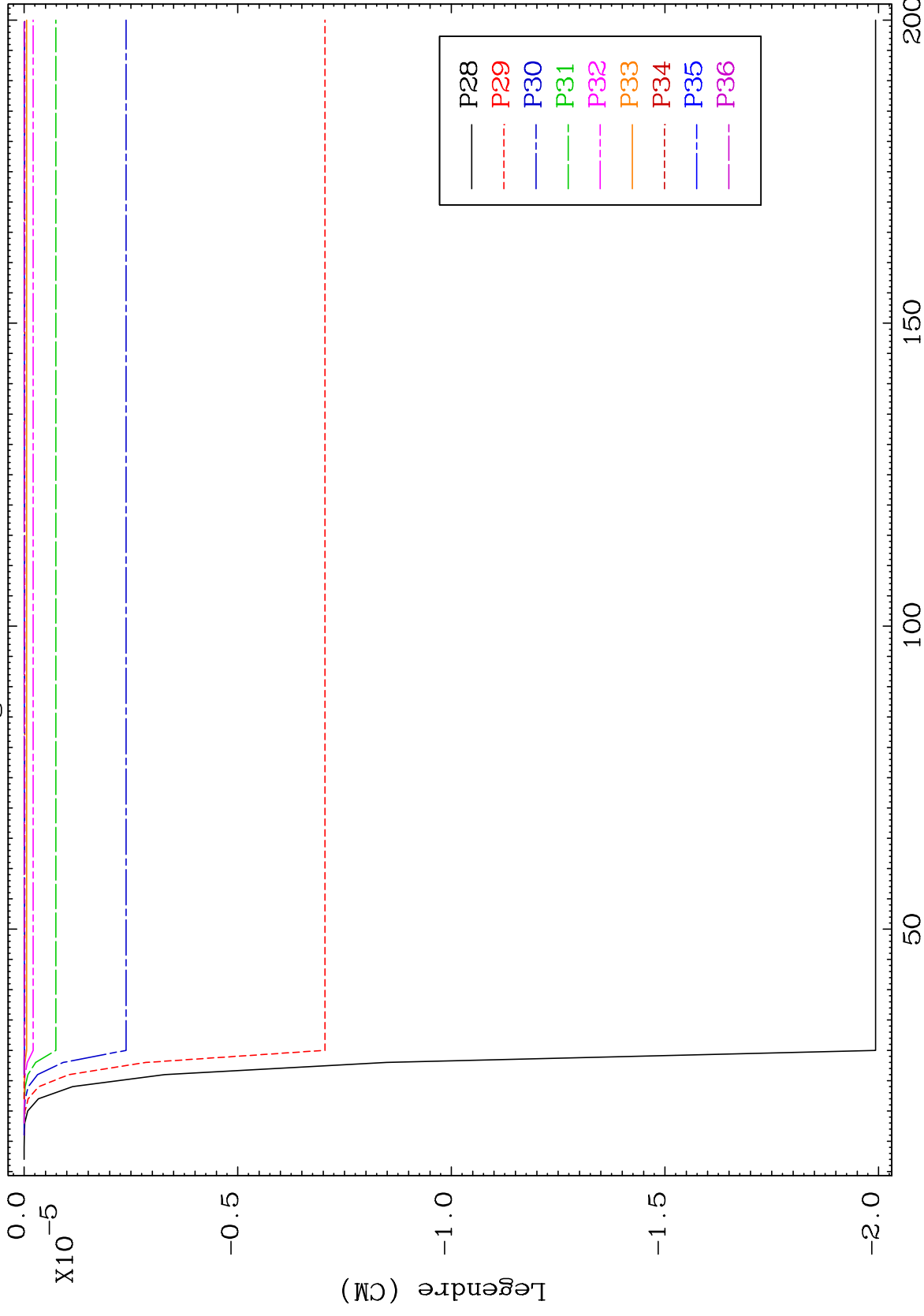
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



61-Pm-153

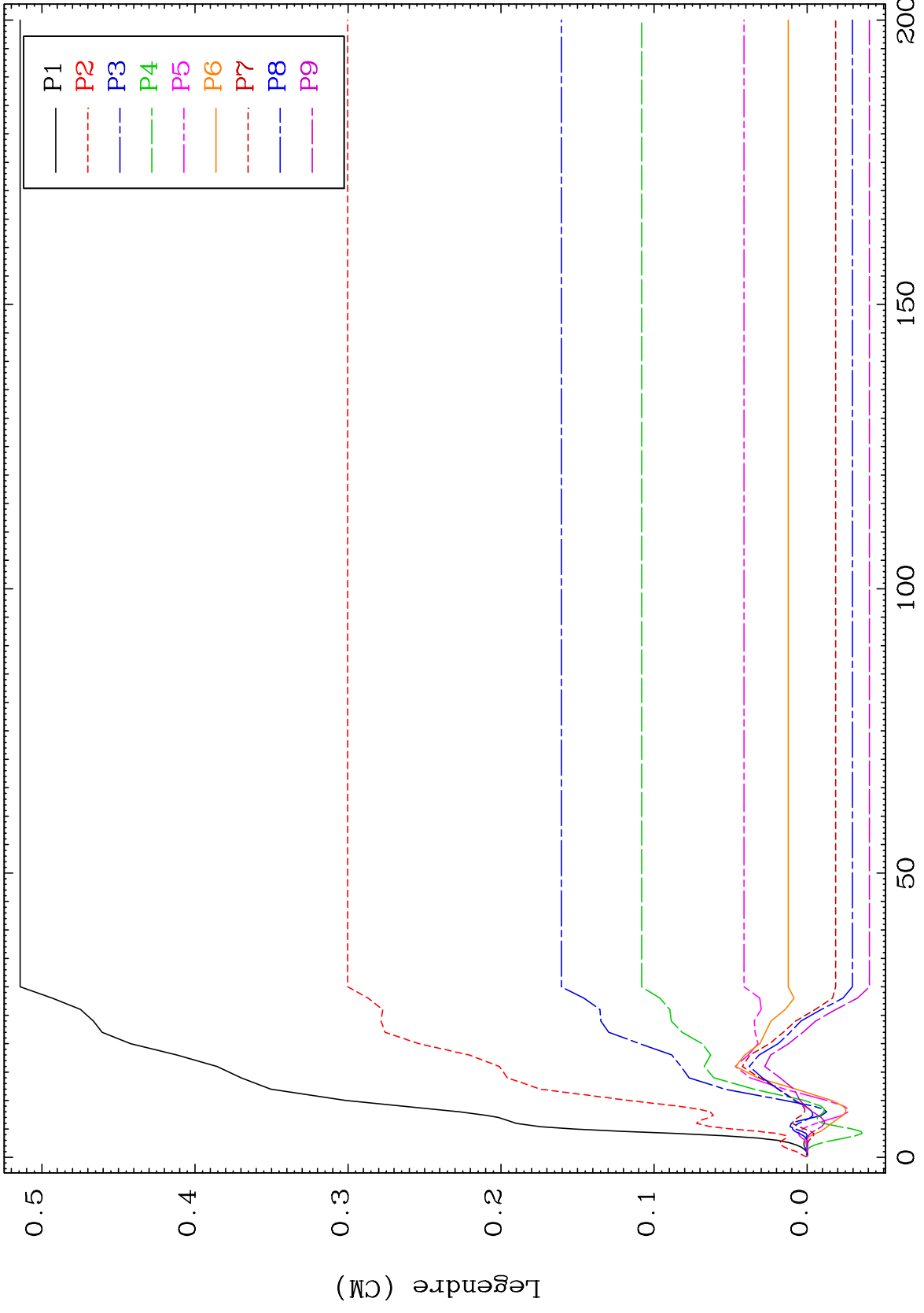
Incident Energy (MeV)

27

MAT 6167

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

61-Pm-153



28

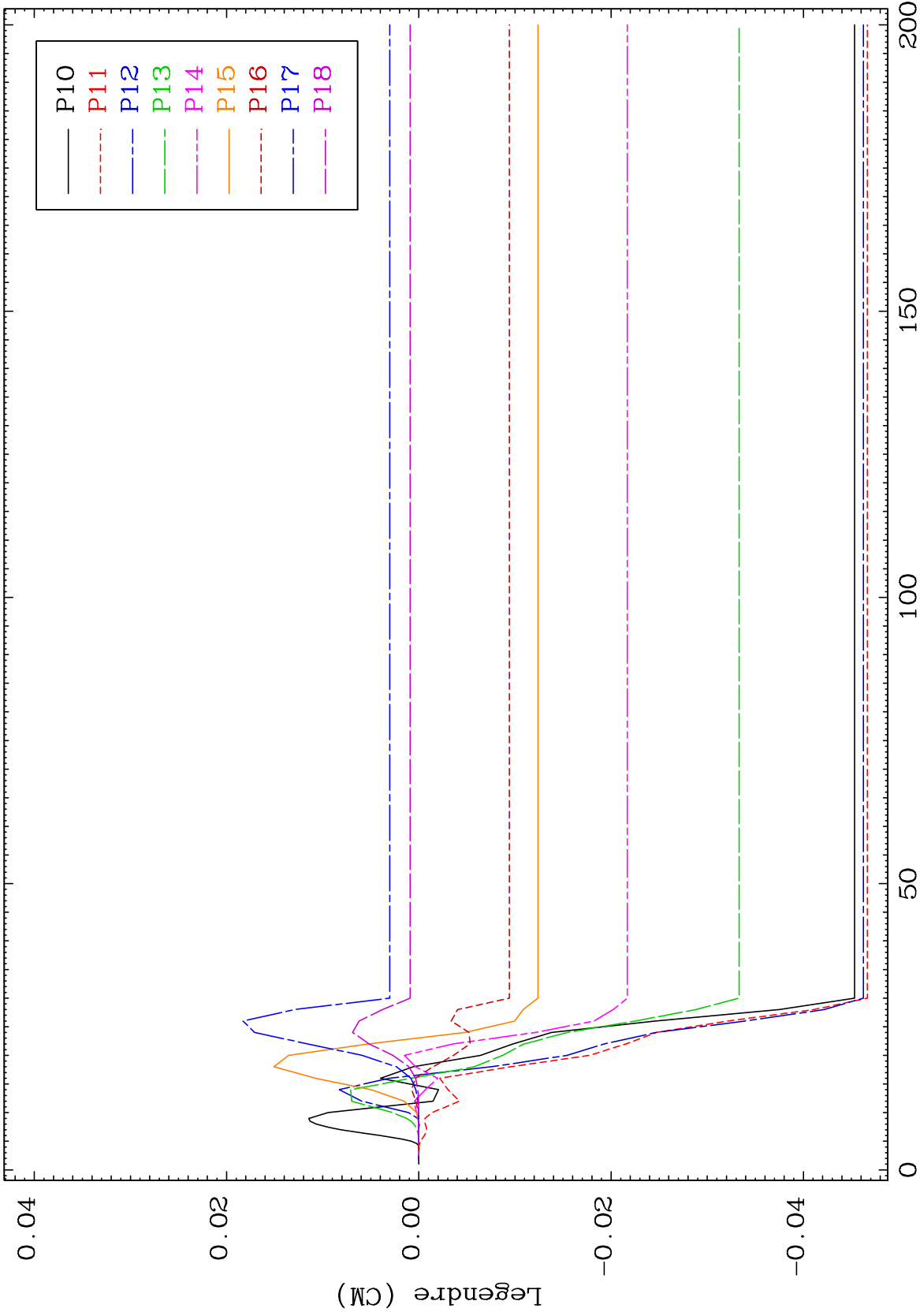
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



29

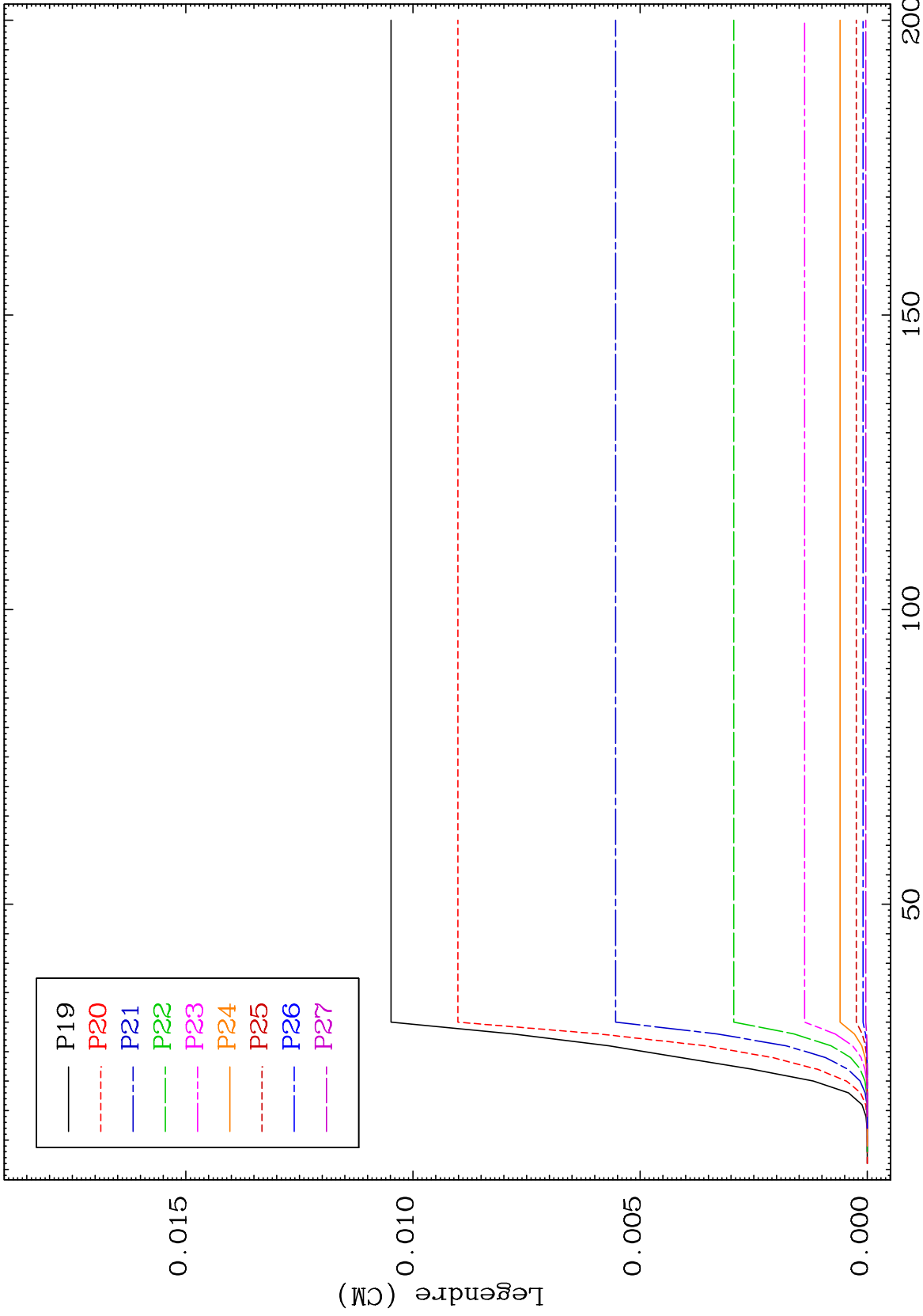
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

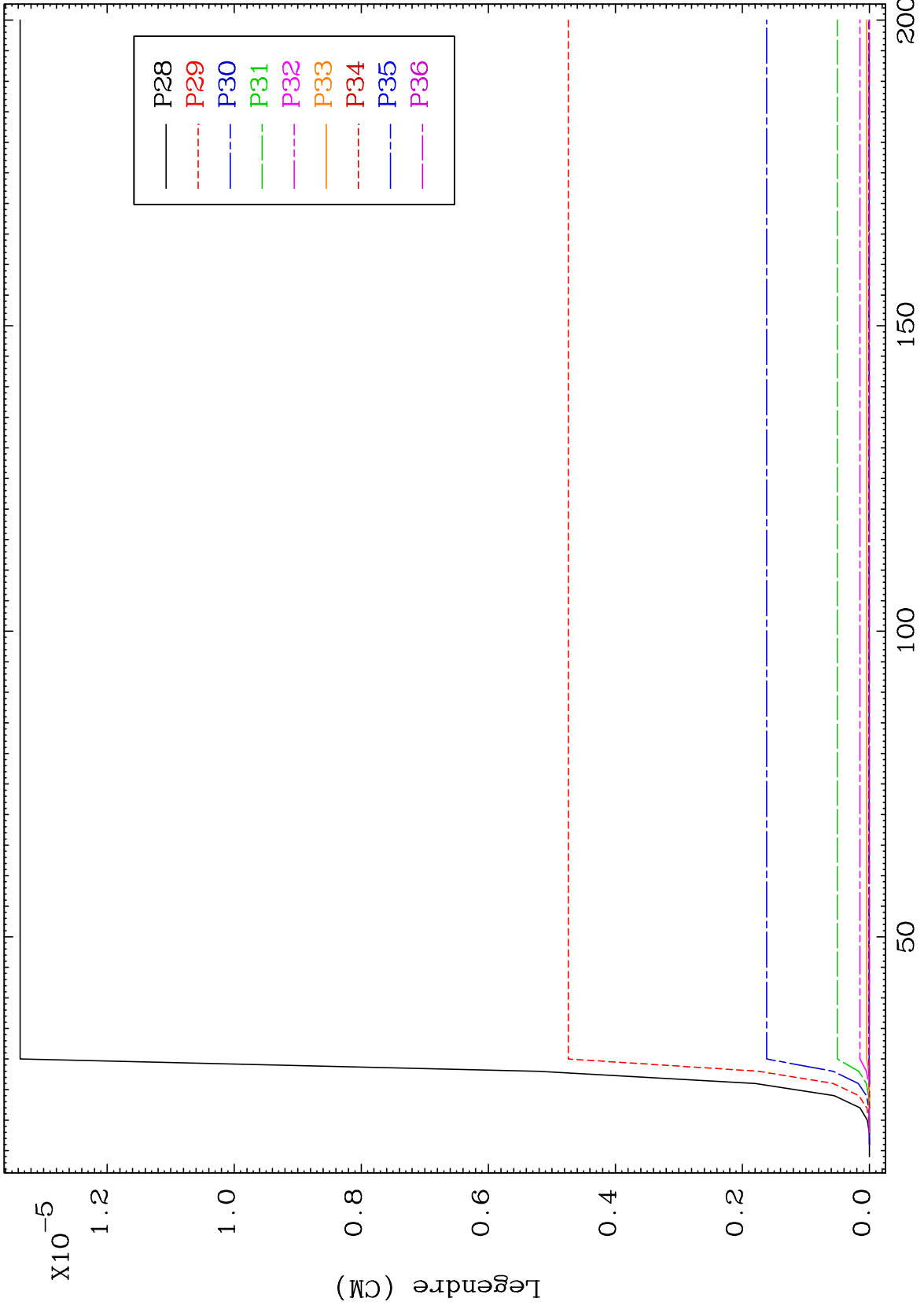
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30

Incident Energy (MeV)

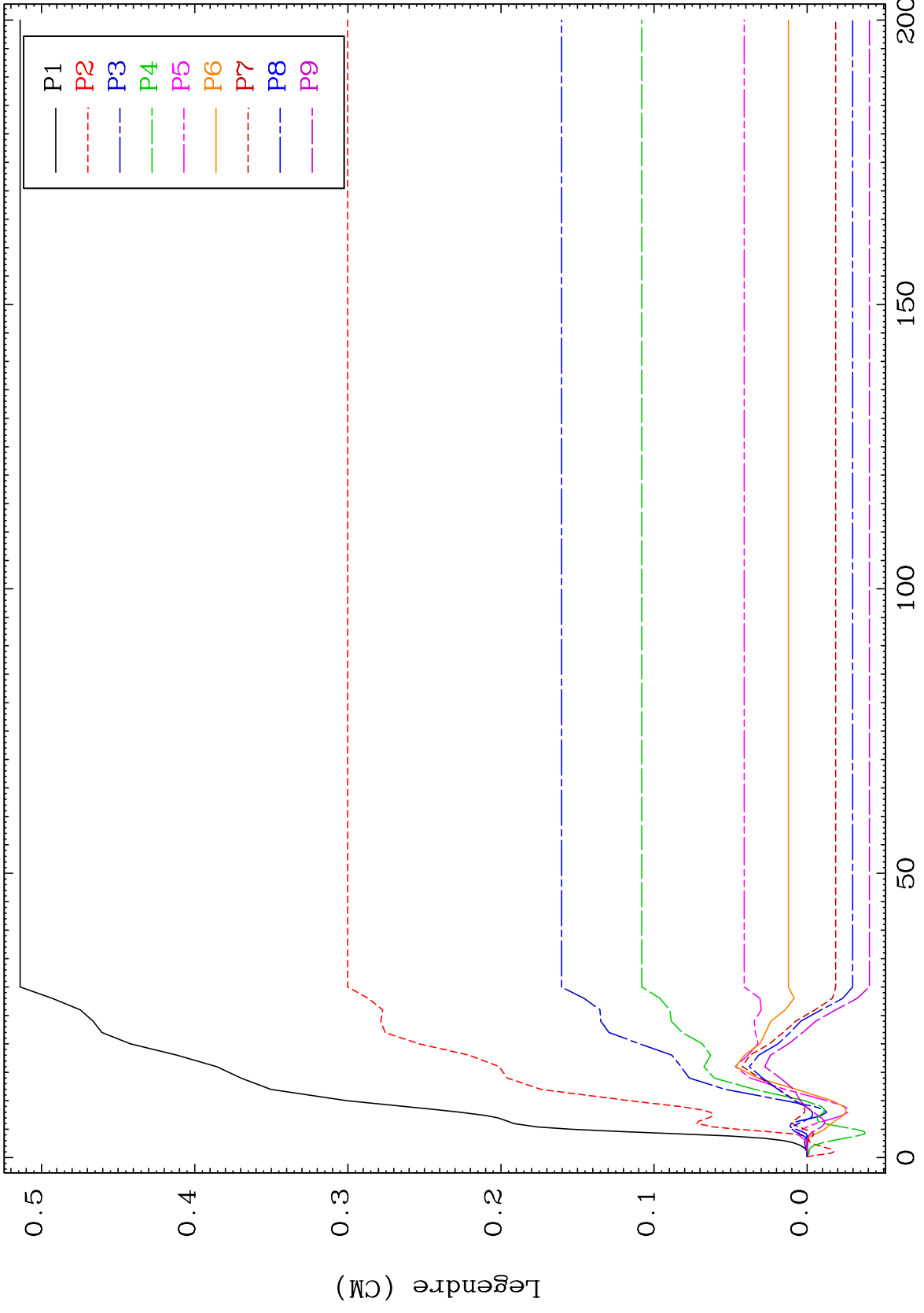
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MAT 6167

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

61-Pm-153



32

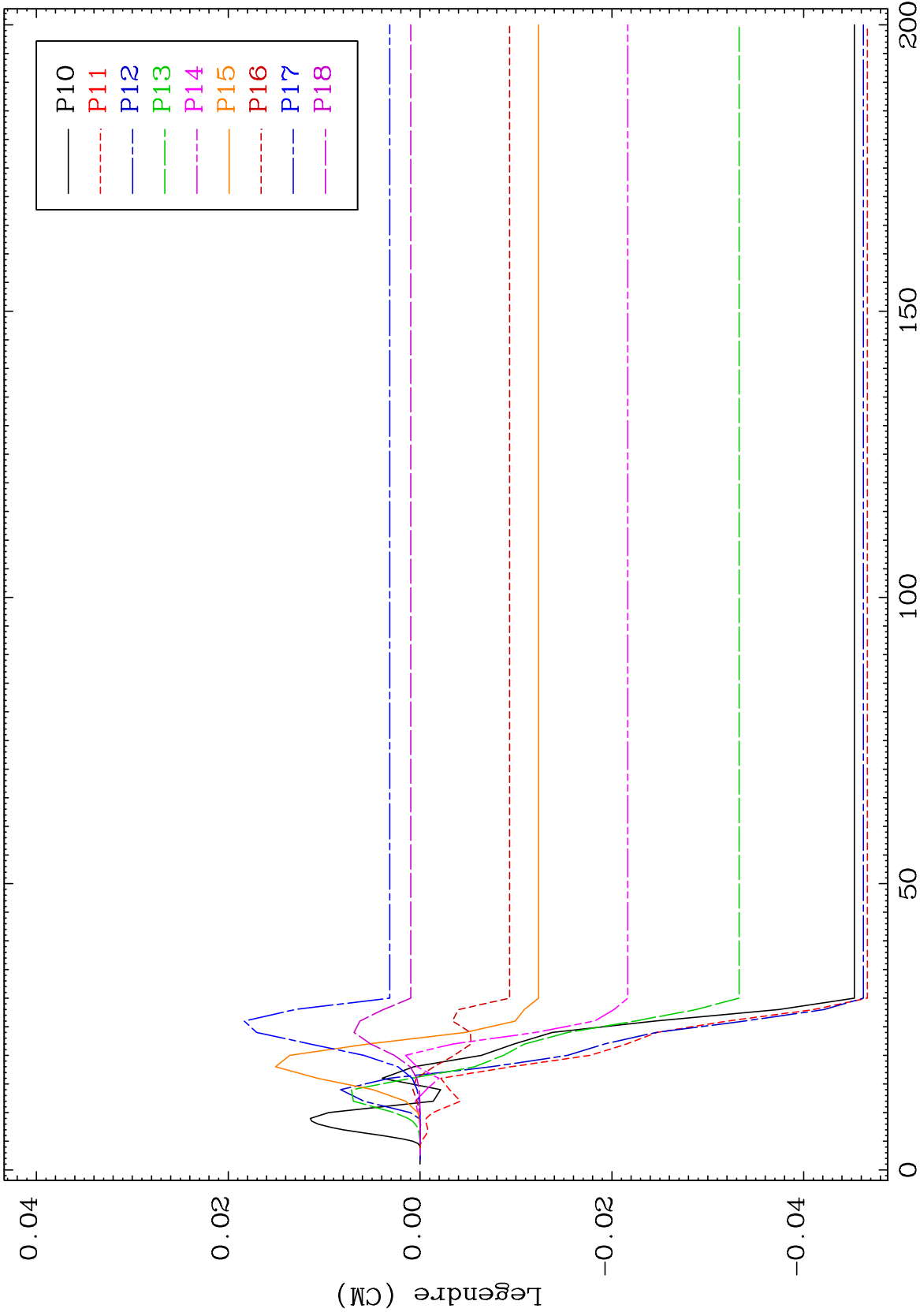
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

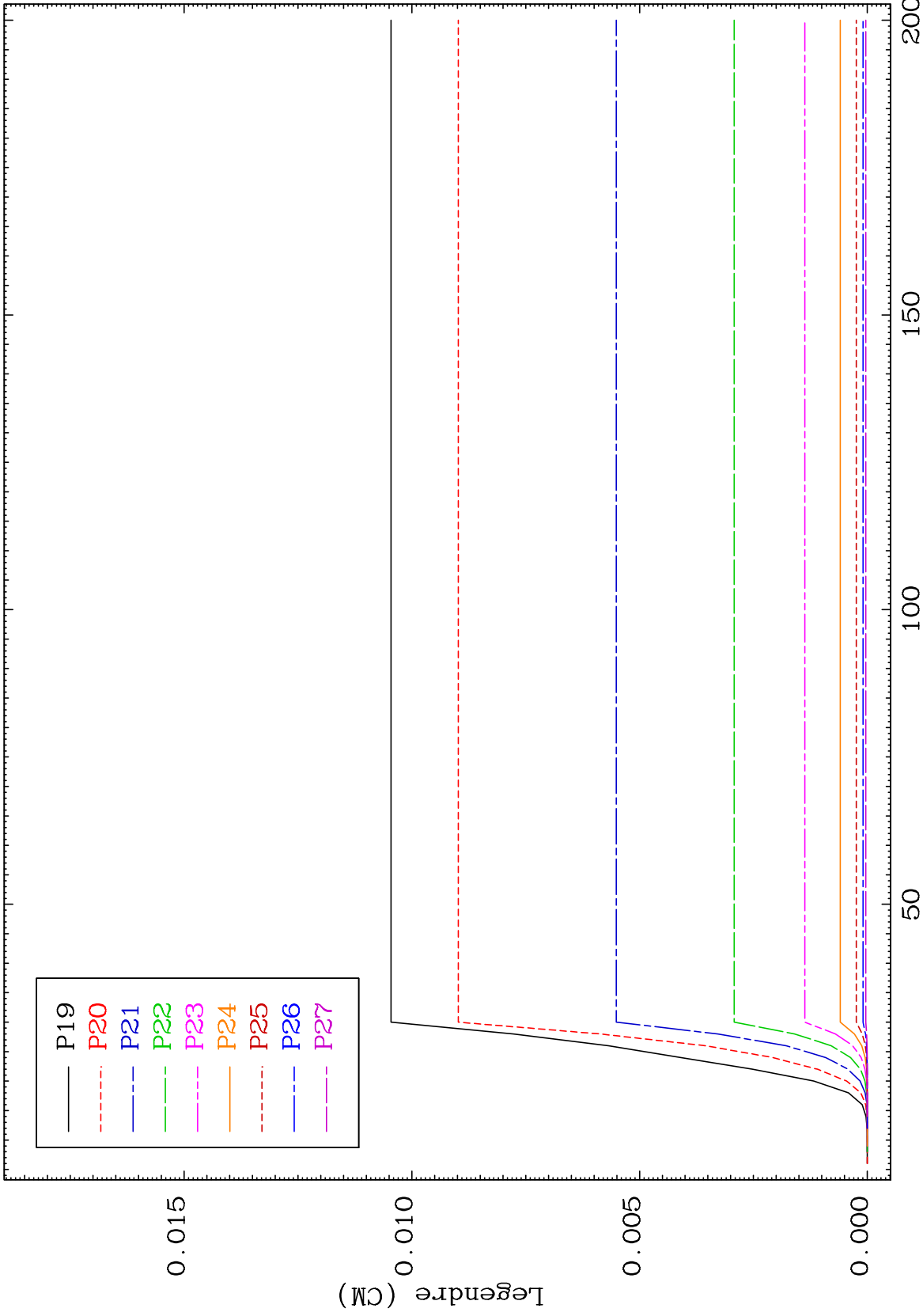
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33

Incident Energy (MeV)

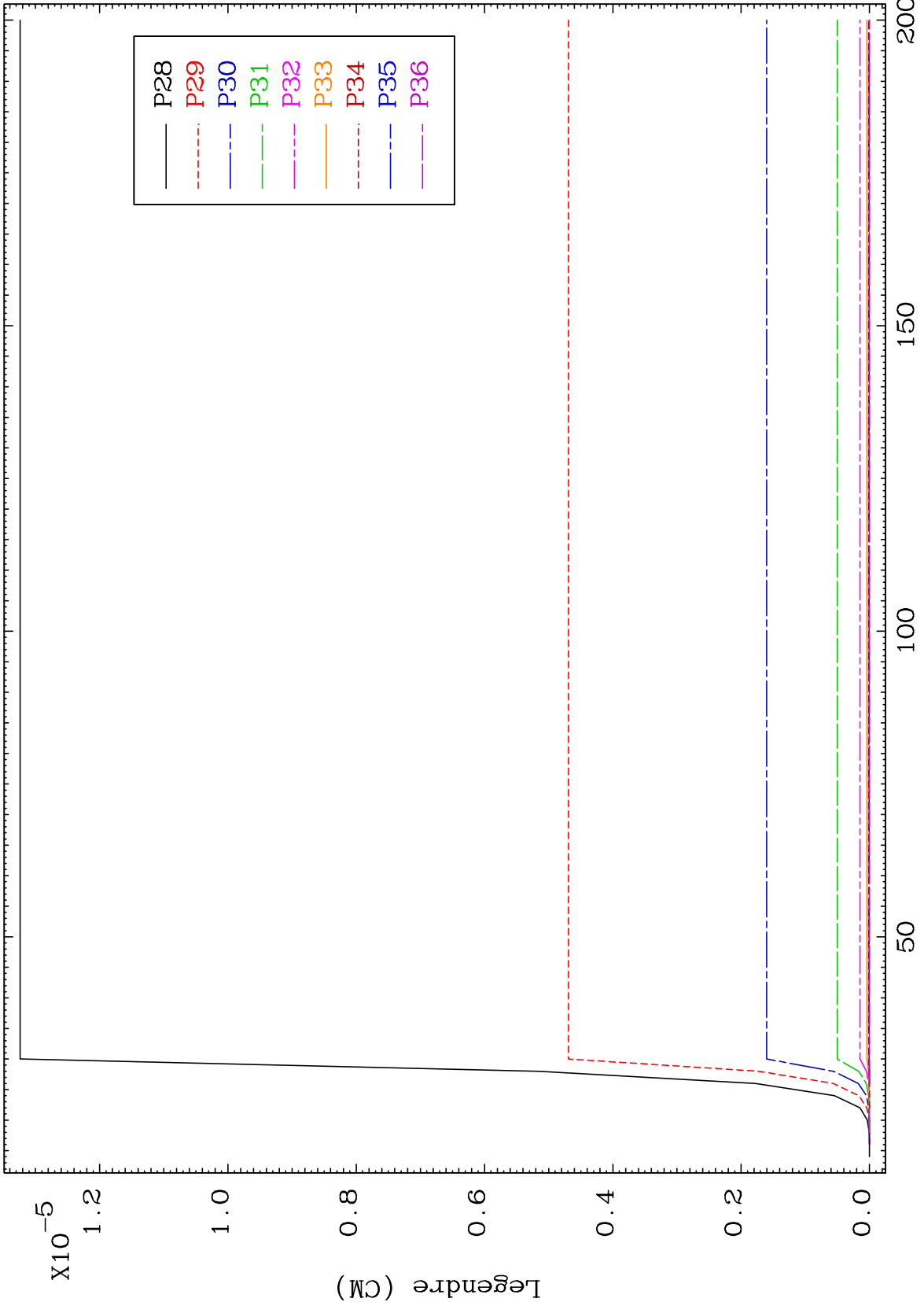
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MAT 6167

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

61-Pm-153



35

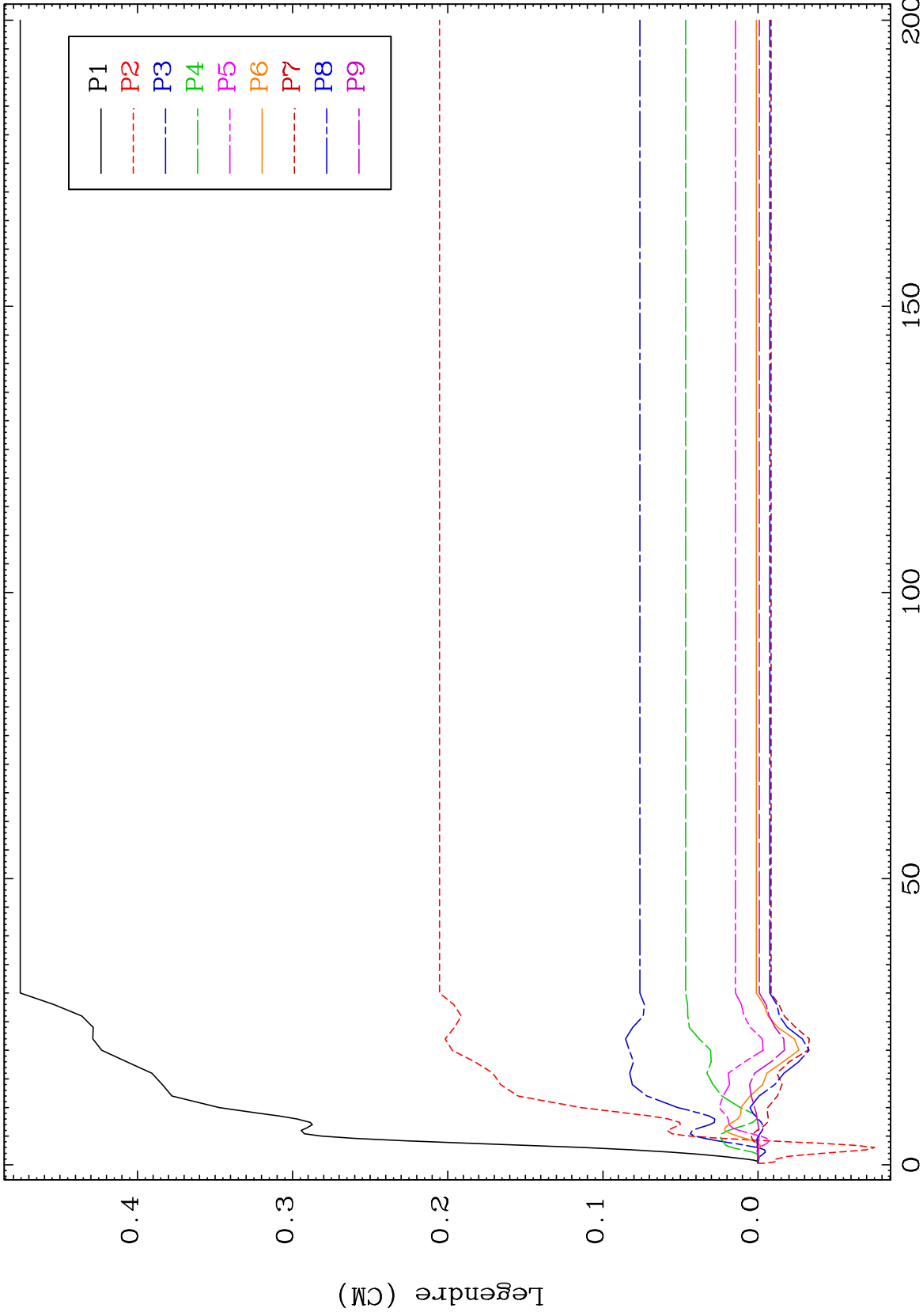
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



36

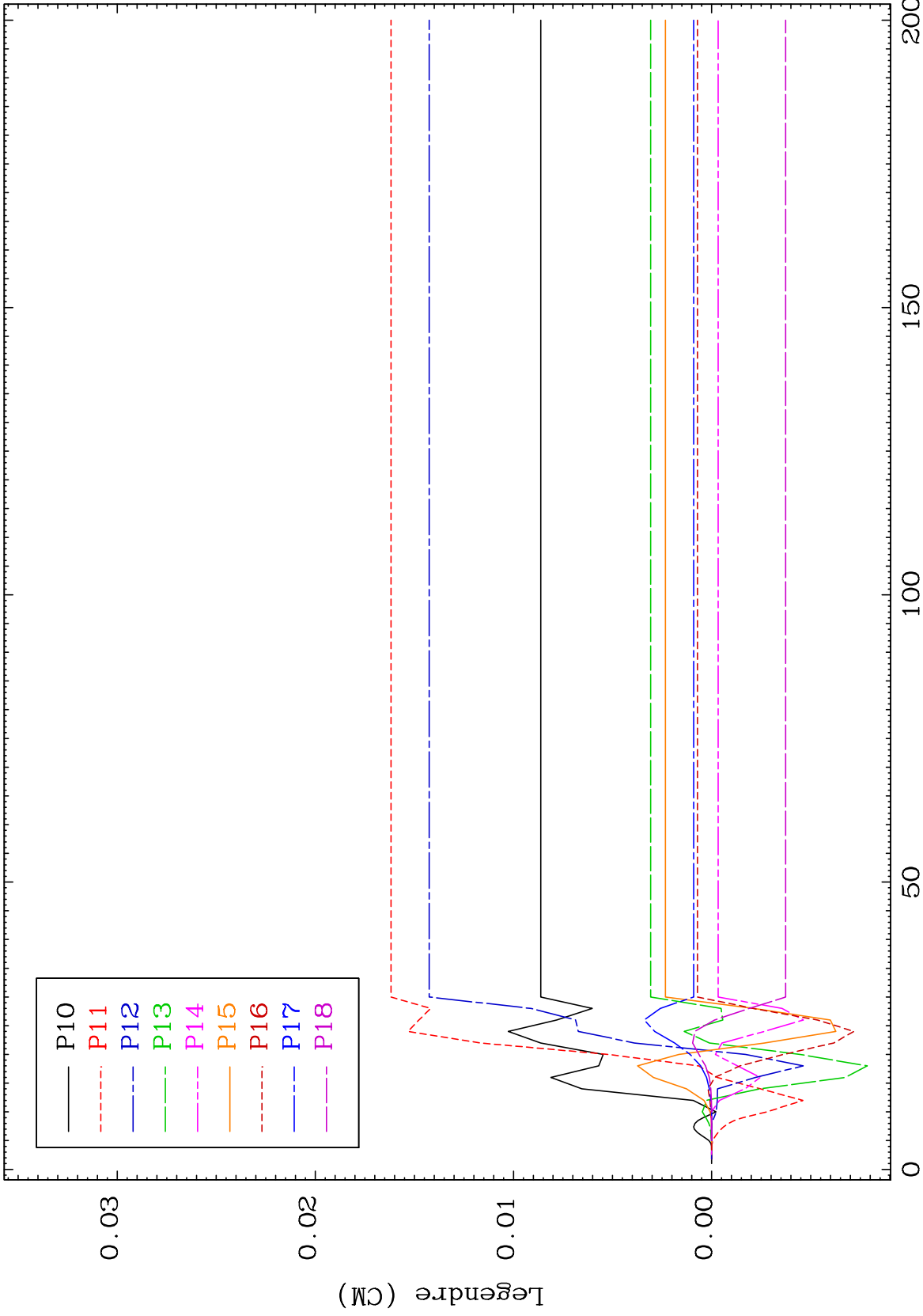
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



37

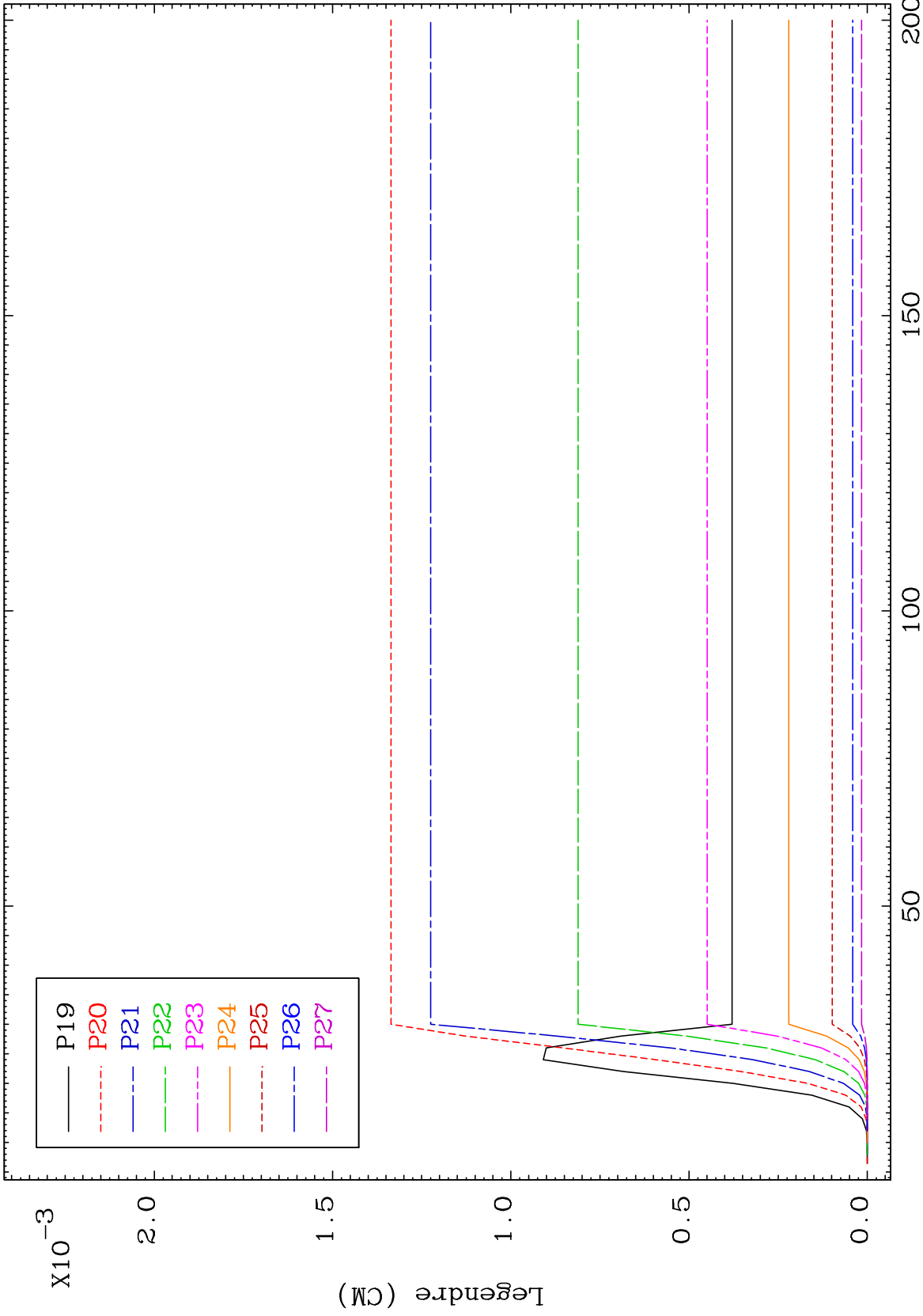
Incident Energy (MeV)

61-Pm-153

MAT 61677

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

61-Pm-153



38

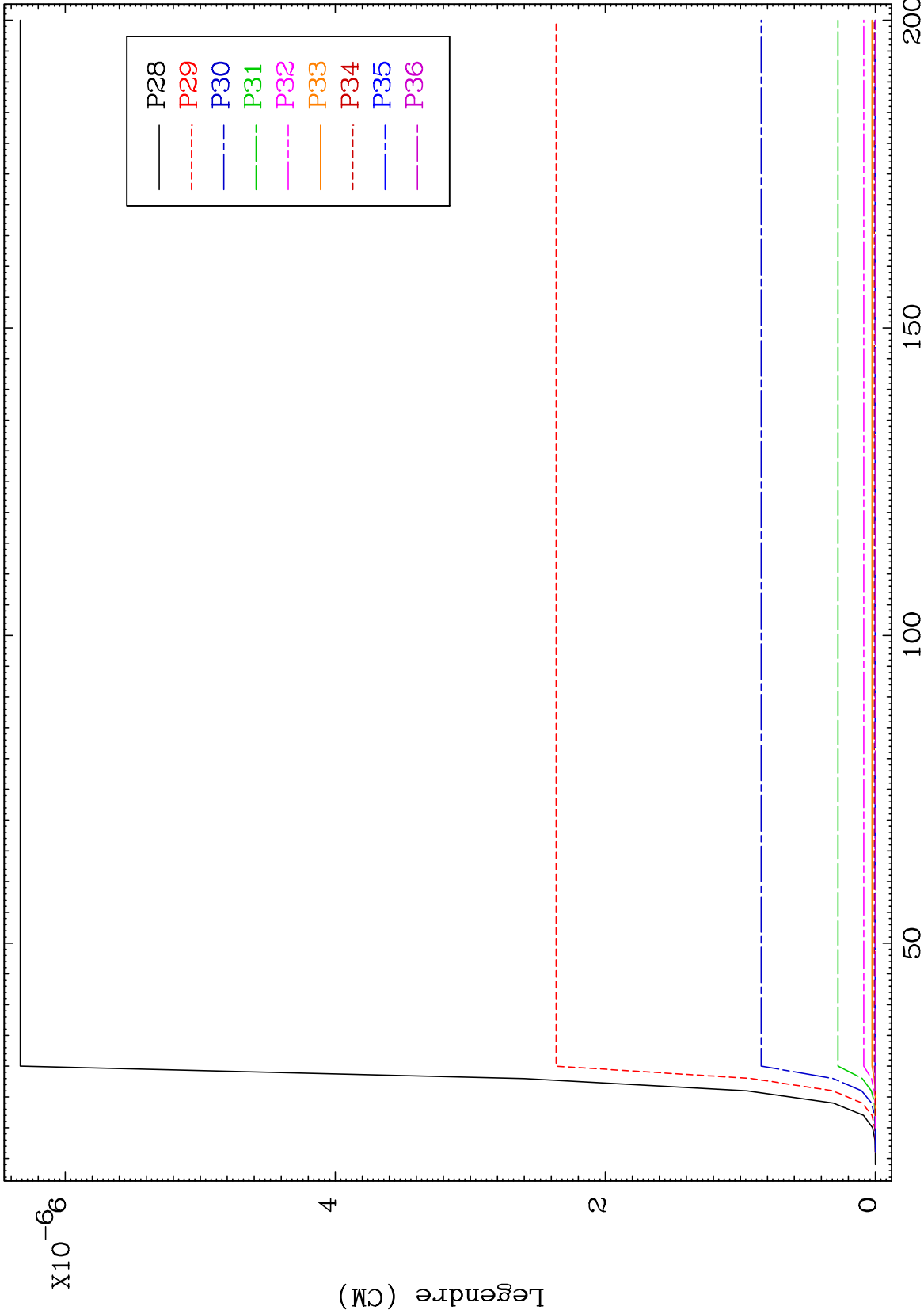
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



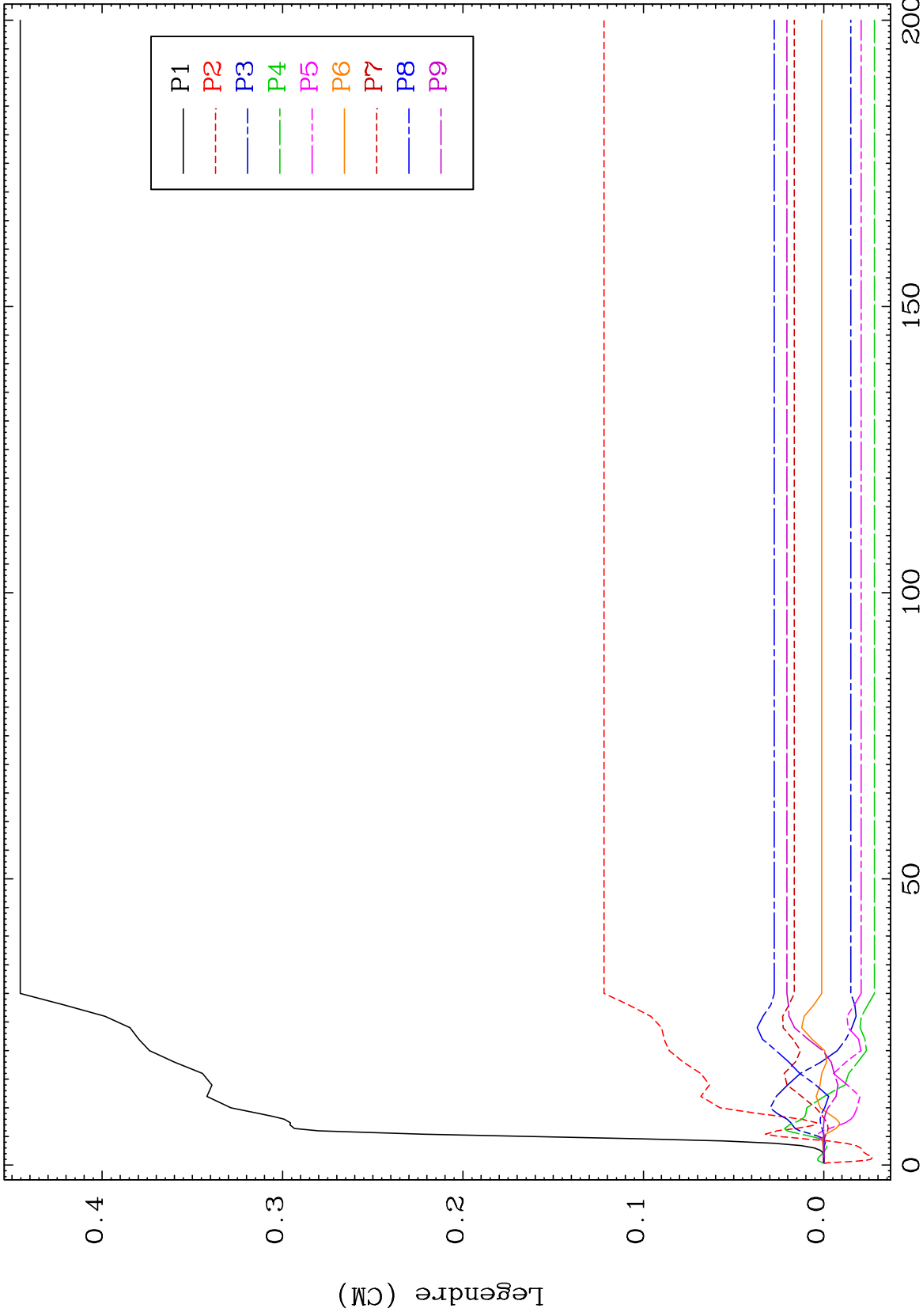
39

61-Pm-153

MAT 6167

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

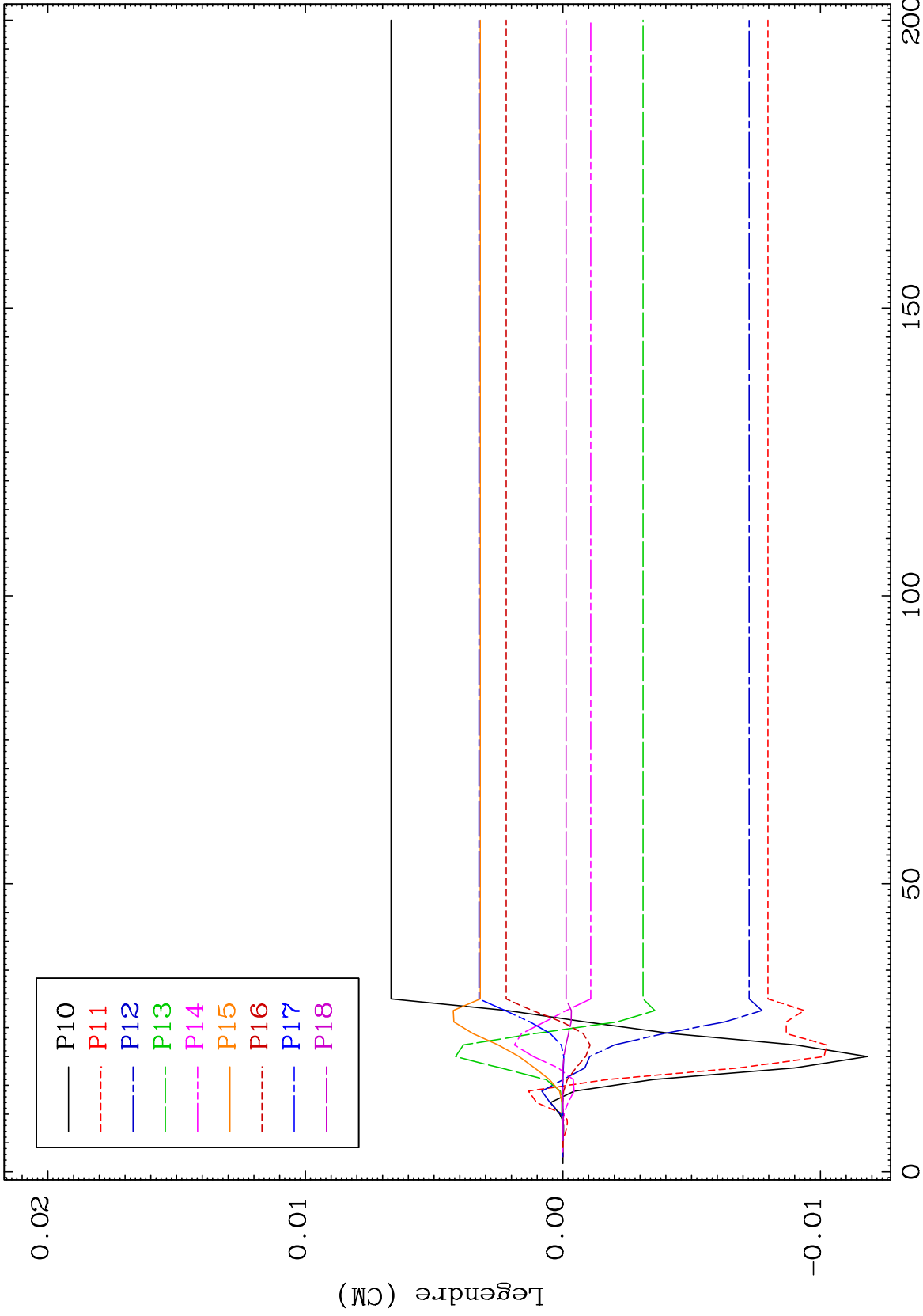
61-Pm-153



61-Pm-153

Incident Energy (MeV)

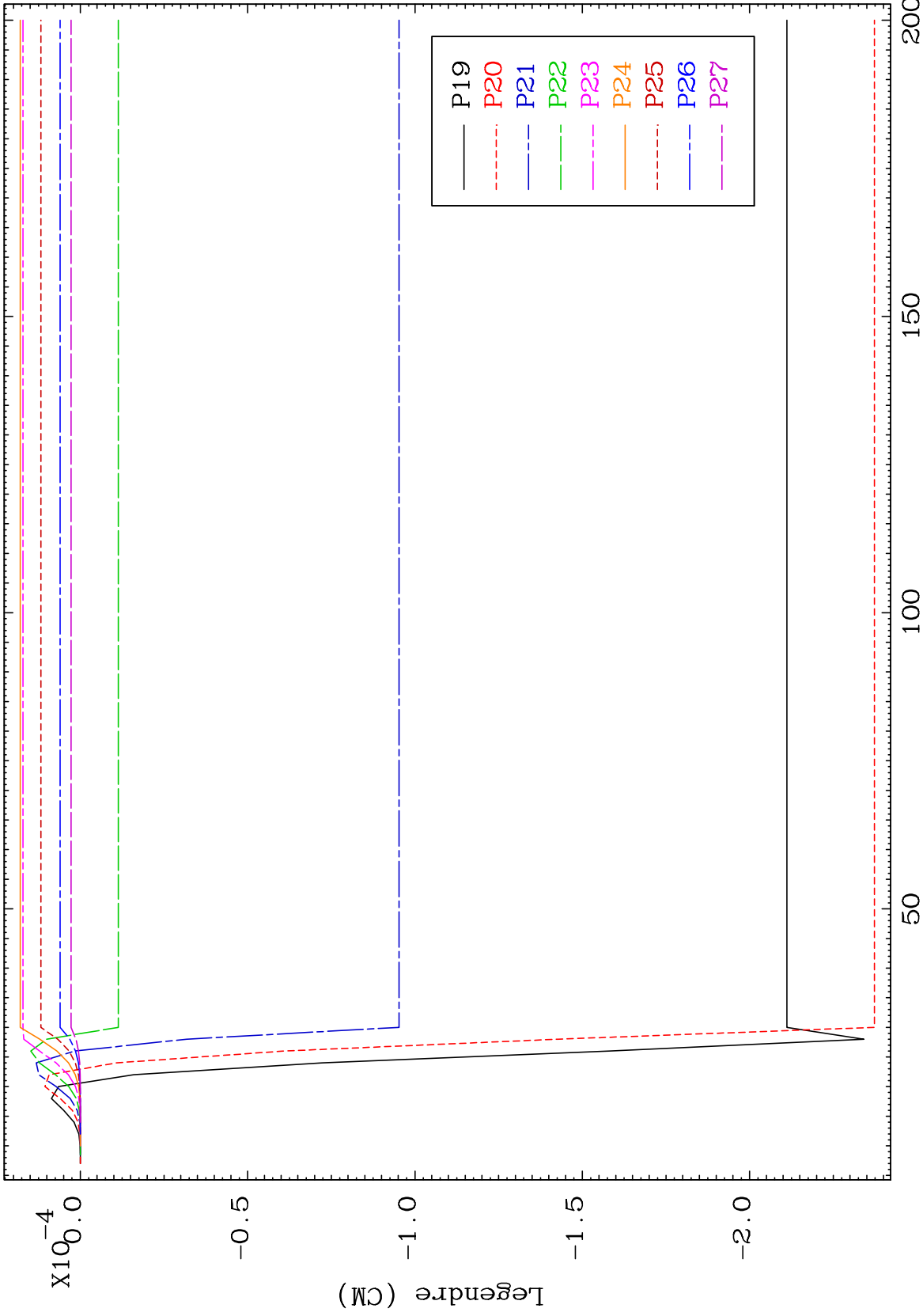
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MAT 6167

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

61-Pm-153



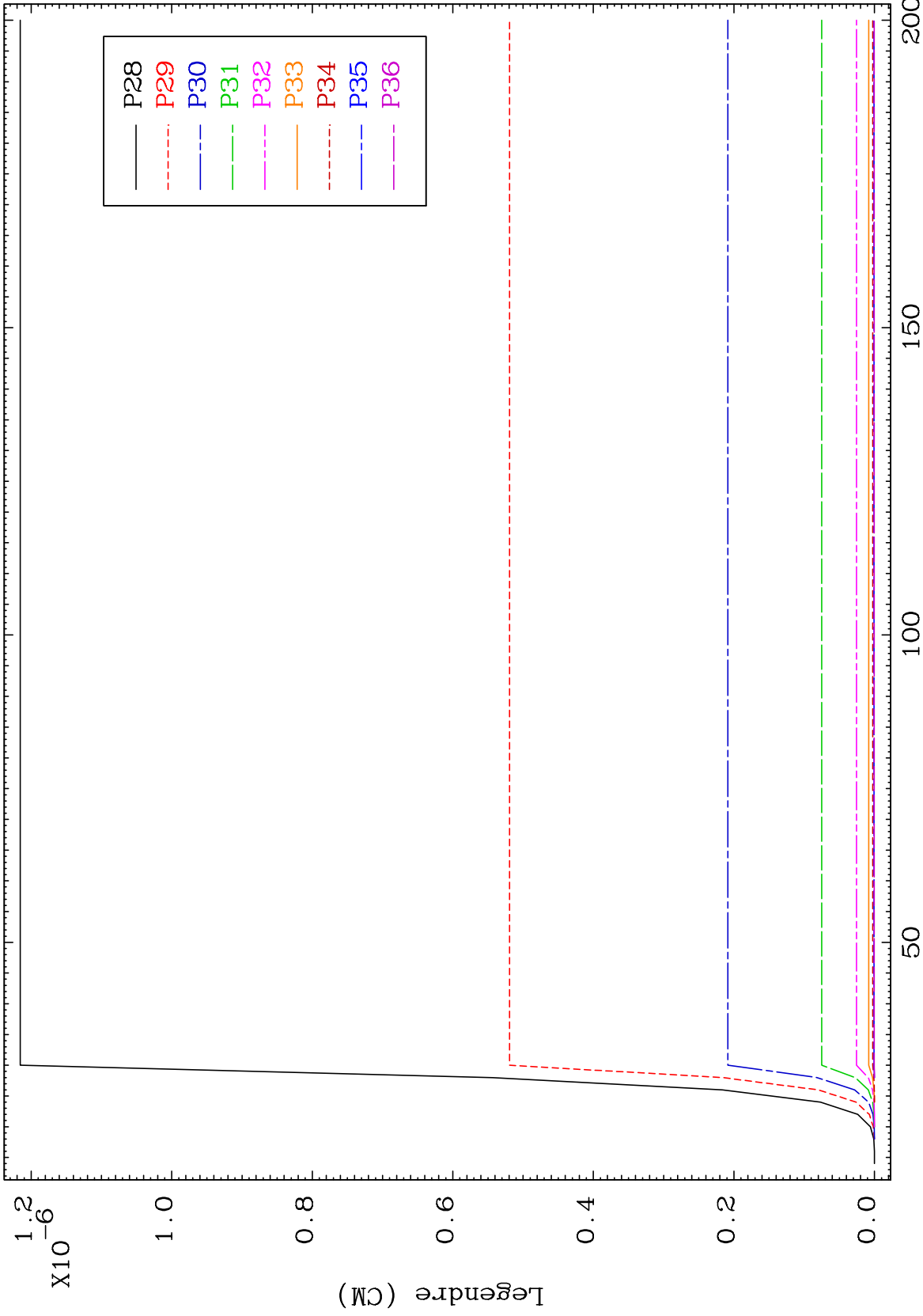
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61-Pm-153

MAT 6167

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

61-Pm-153



43

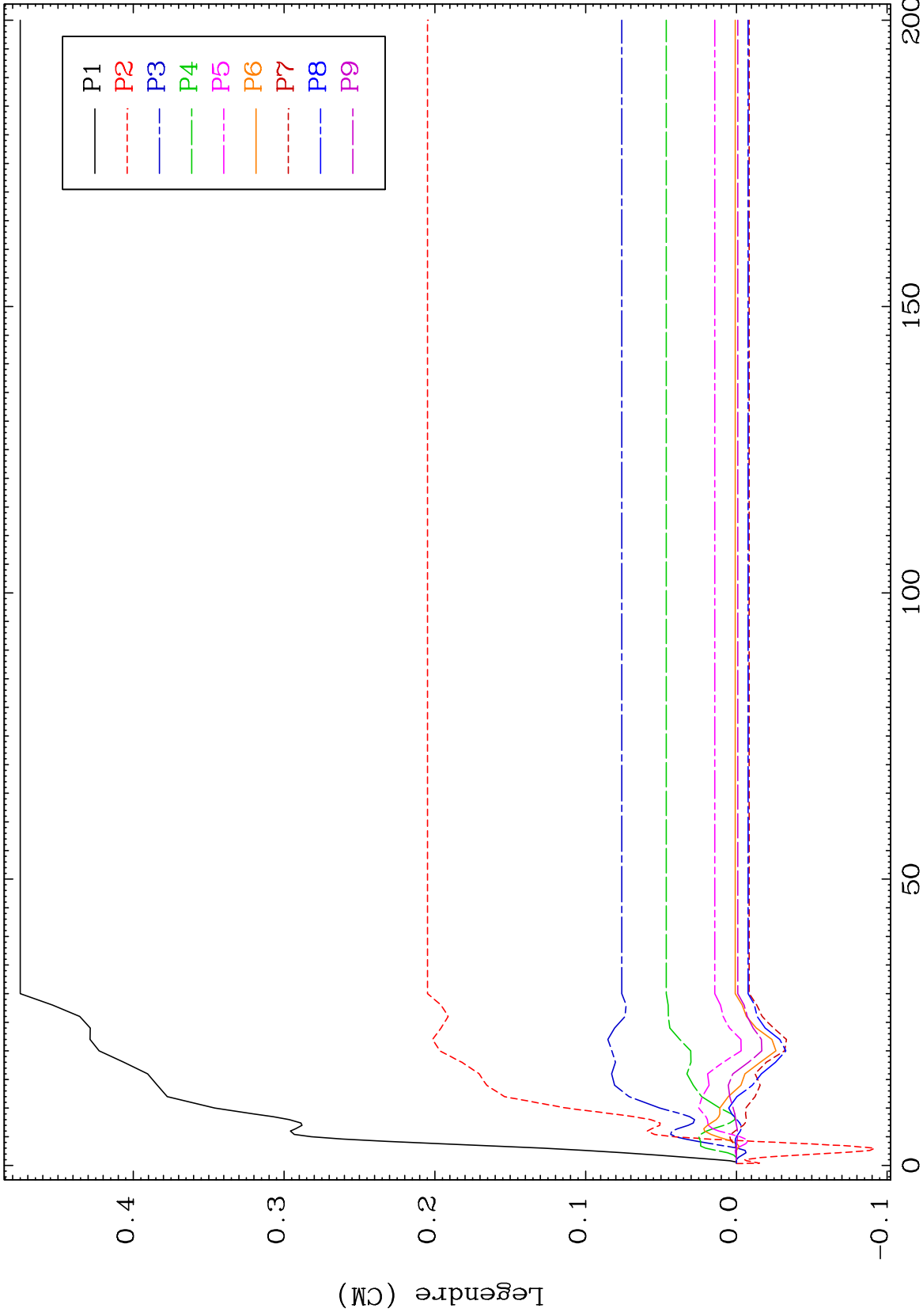
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



44

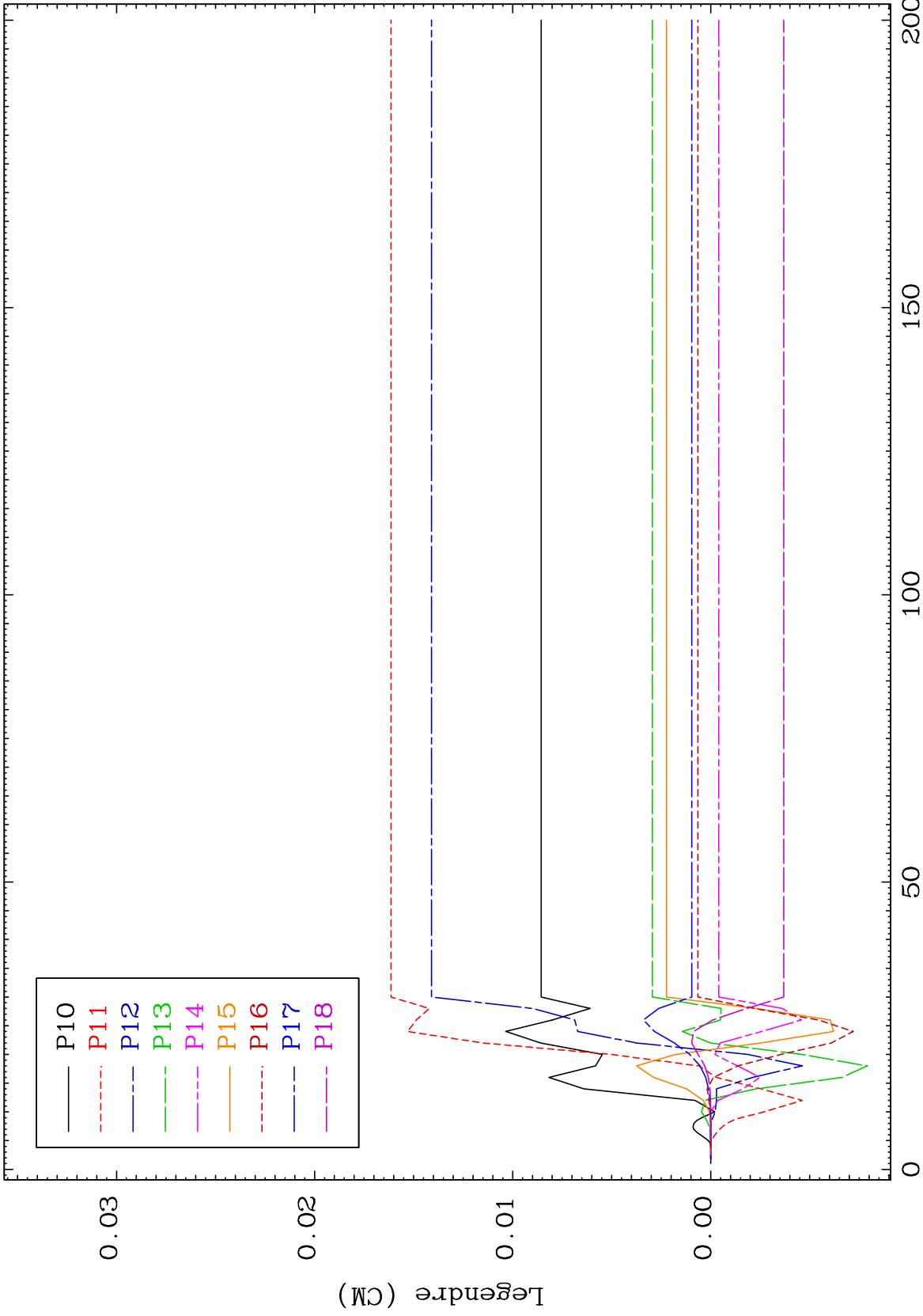
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



45

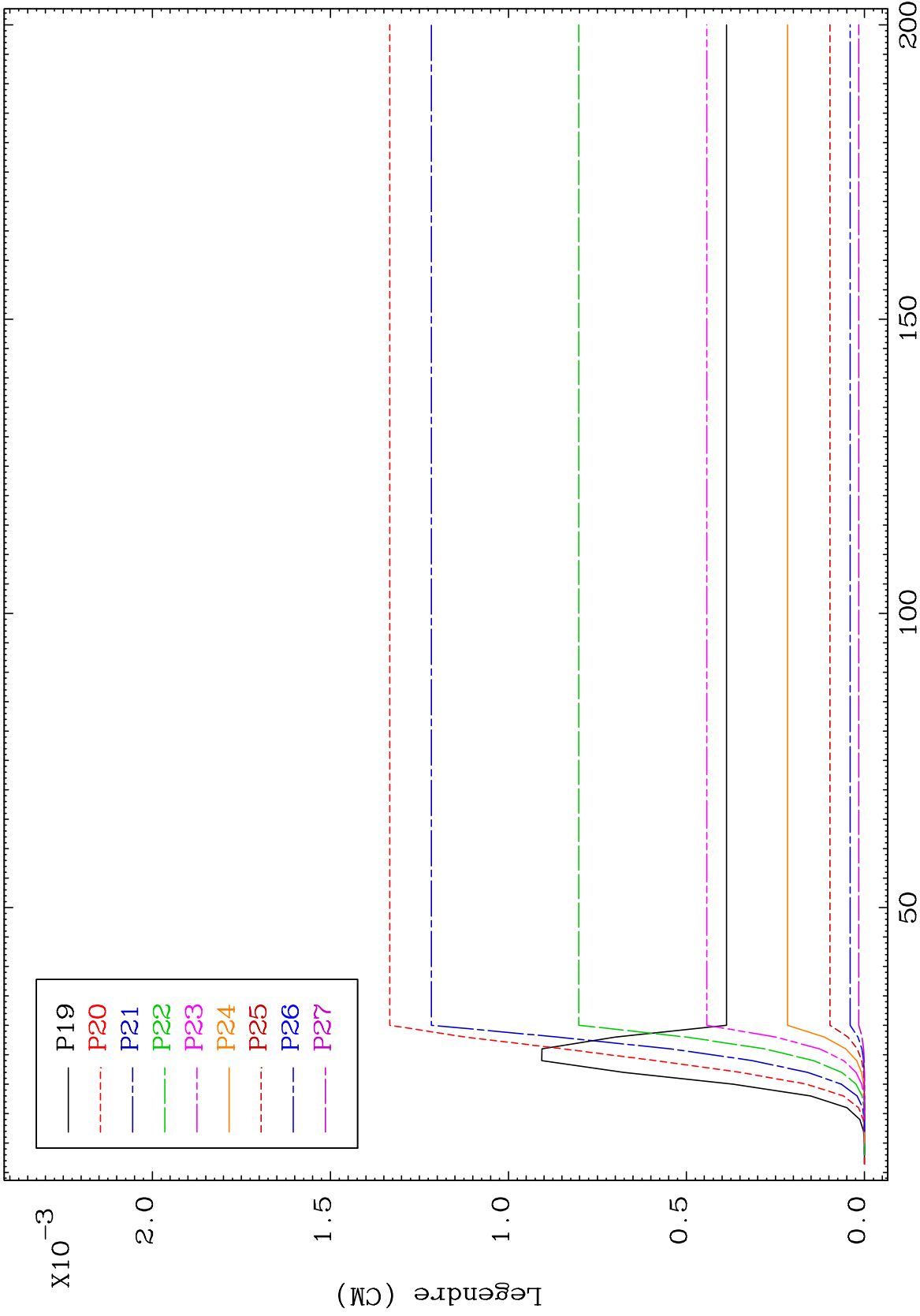
Incident Energy (MeV)

61-Pm-153

MAT 61677

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

61-Pm-153



46

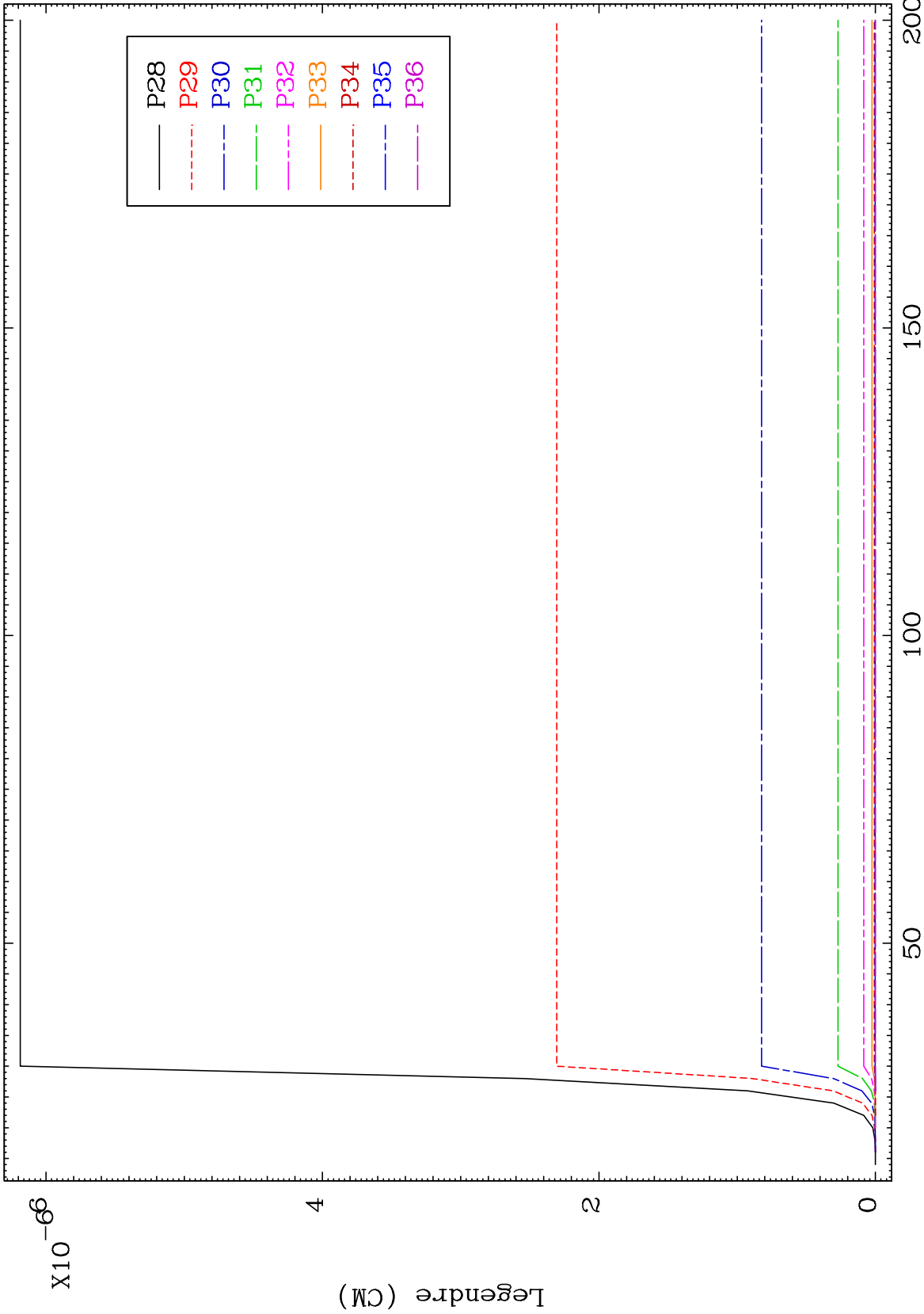
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



47

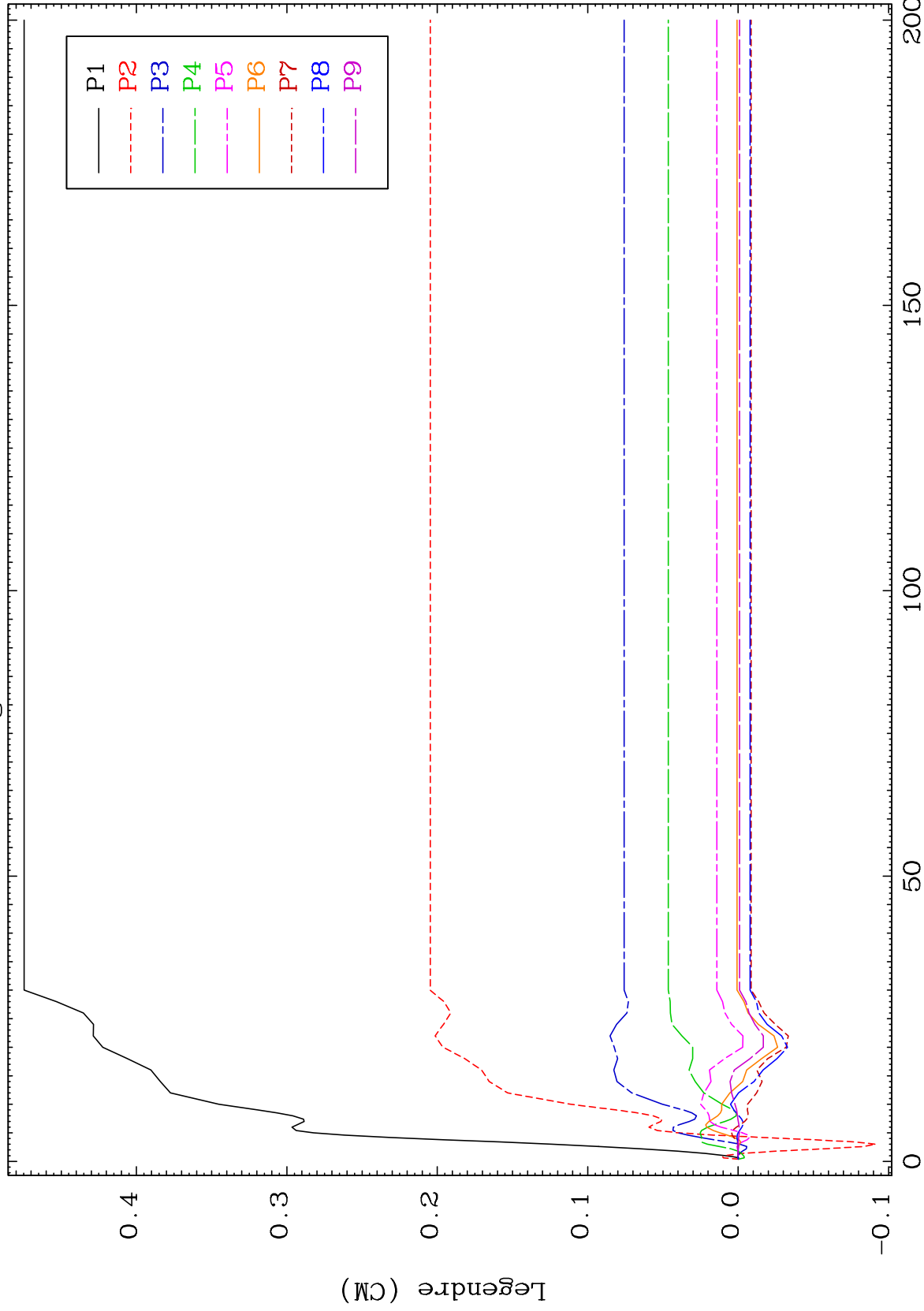
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



48

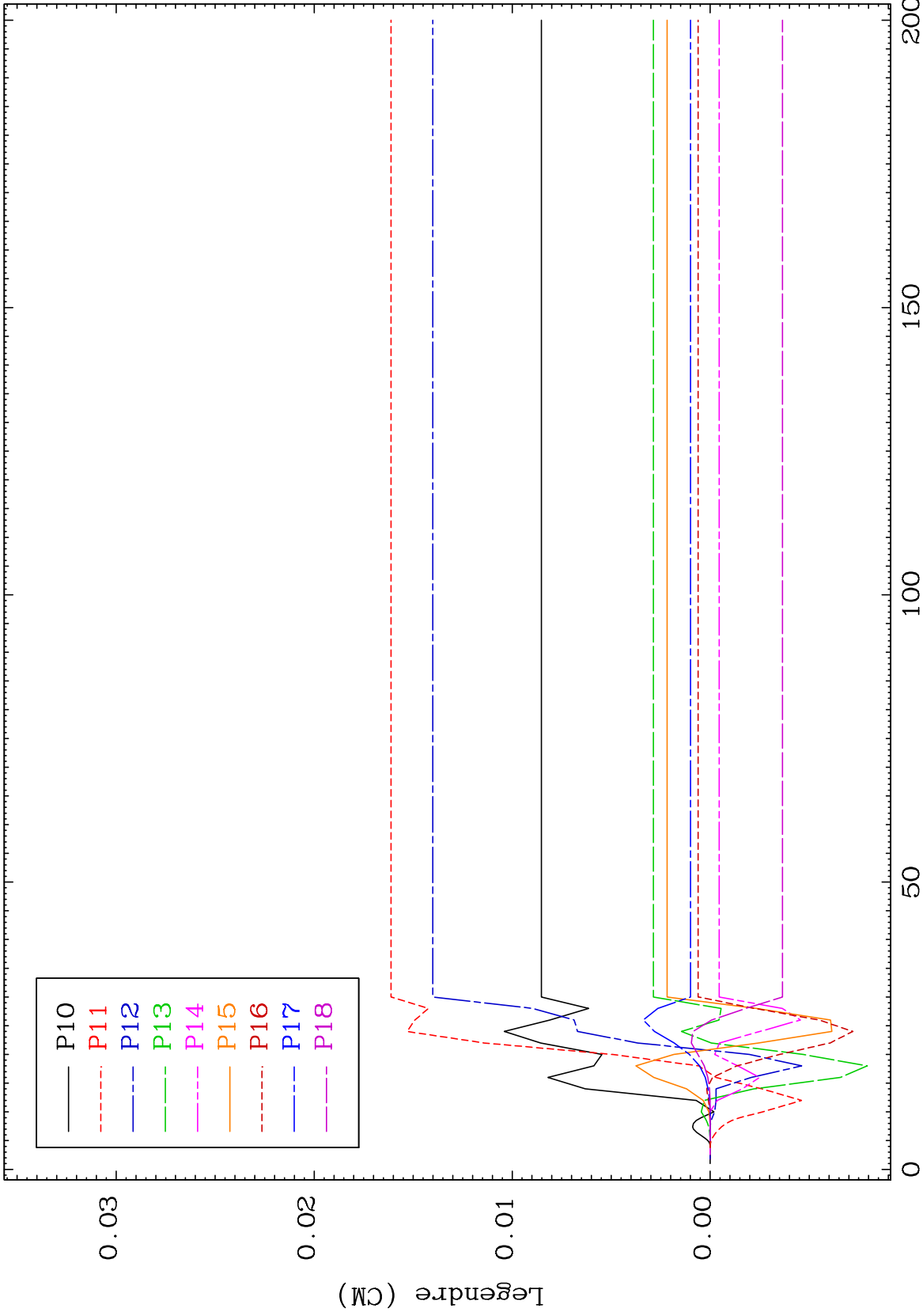
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



49

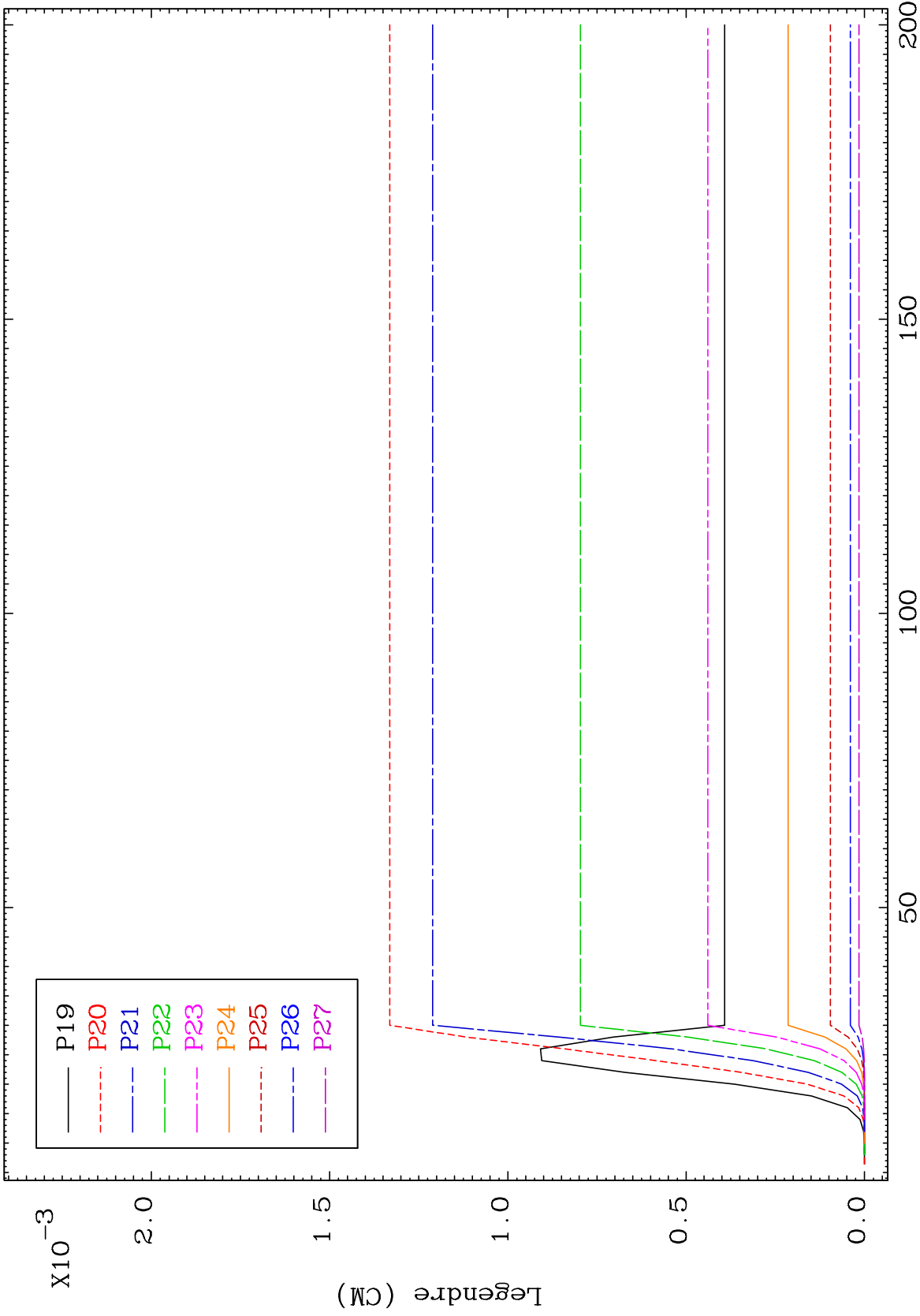
Incident Energy (MeV)

61-Pm-153

MAT 61677

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

61-Pm-153



50

50

100

150

200

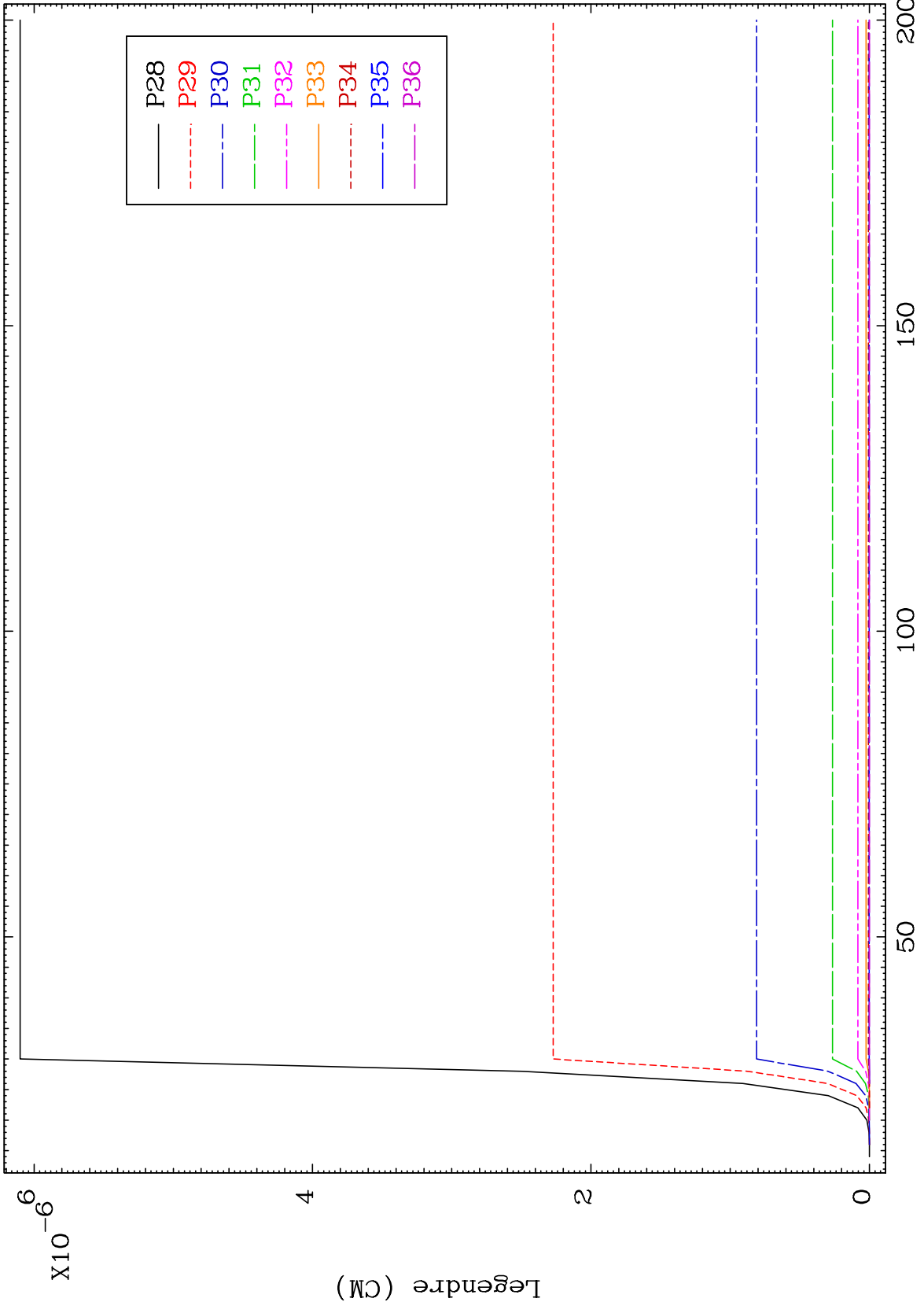
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



51

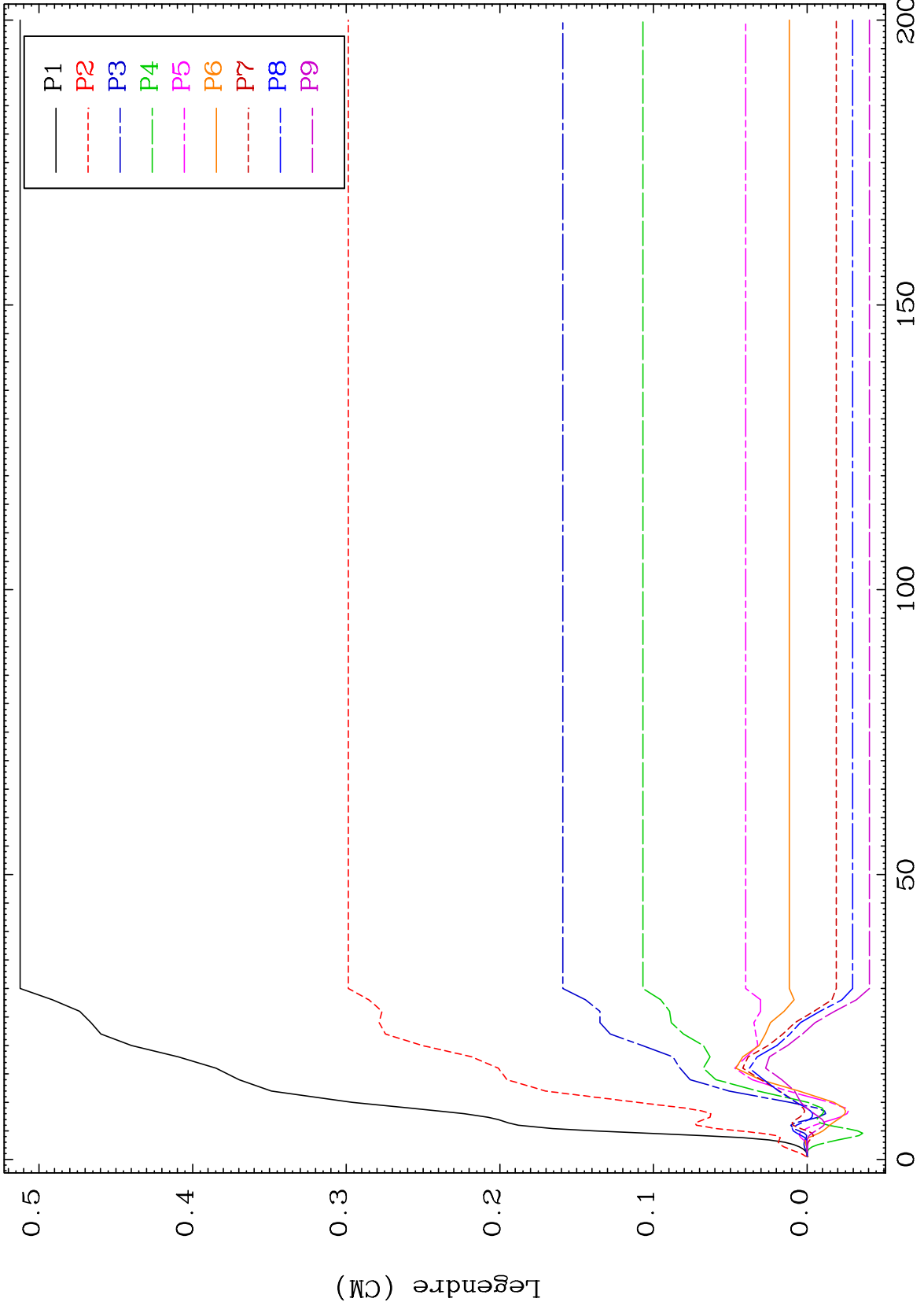
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



52

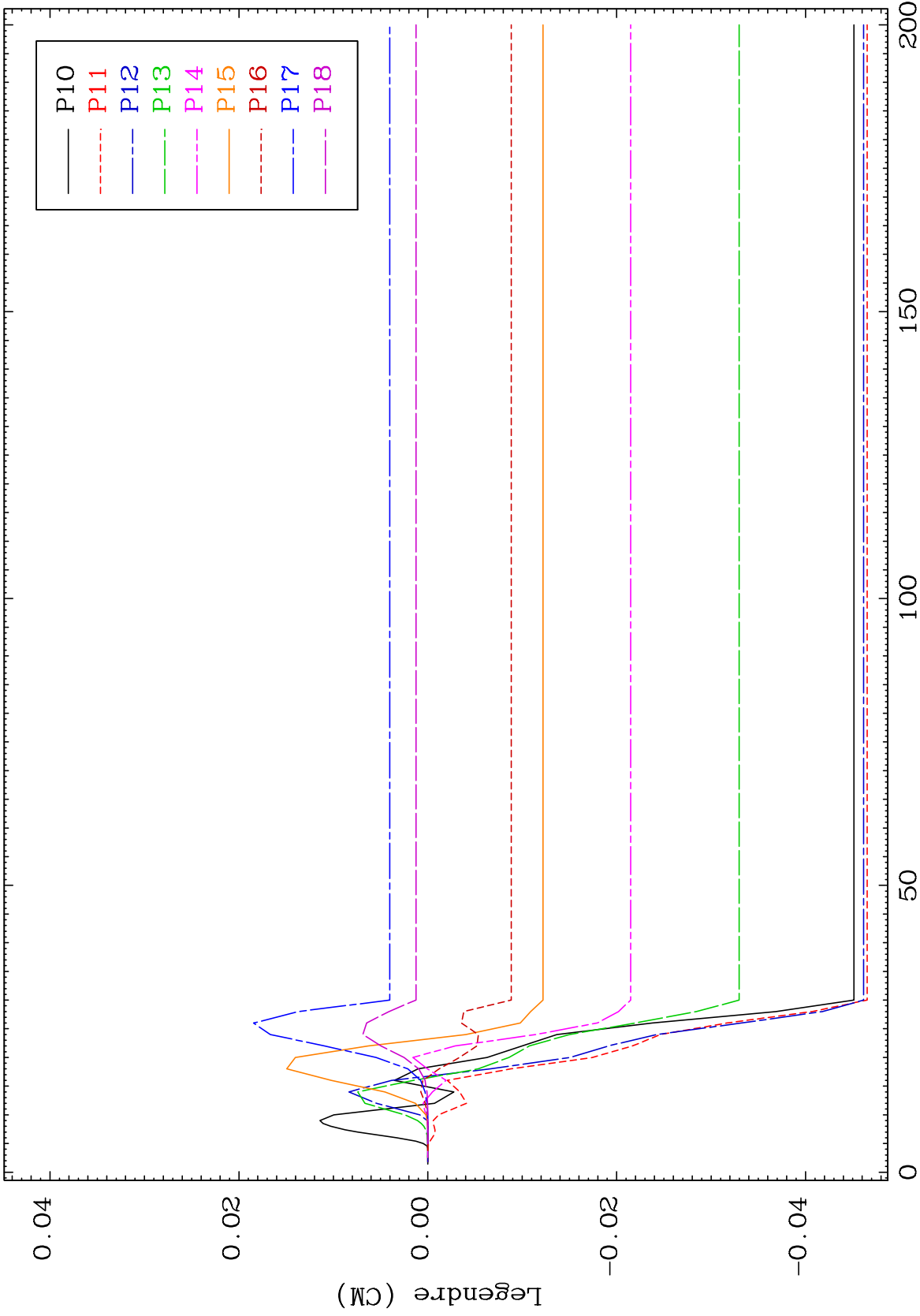
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



53

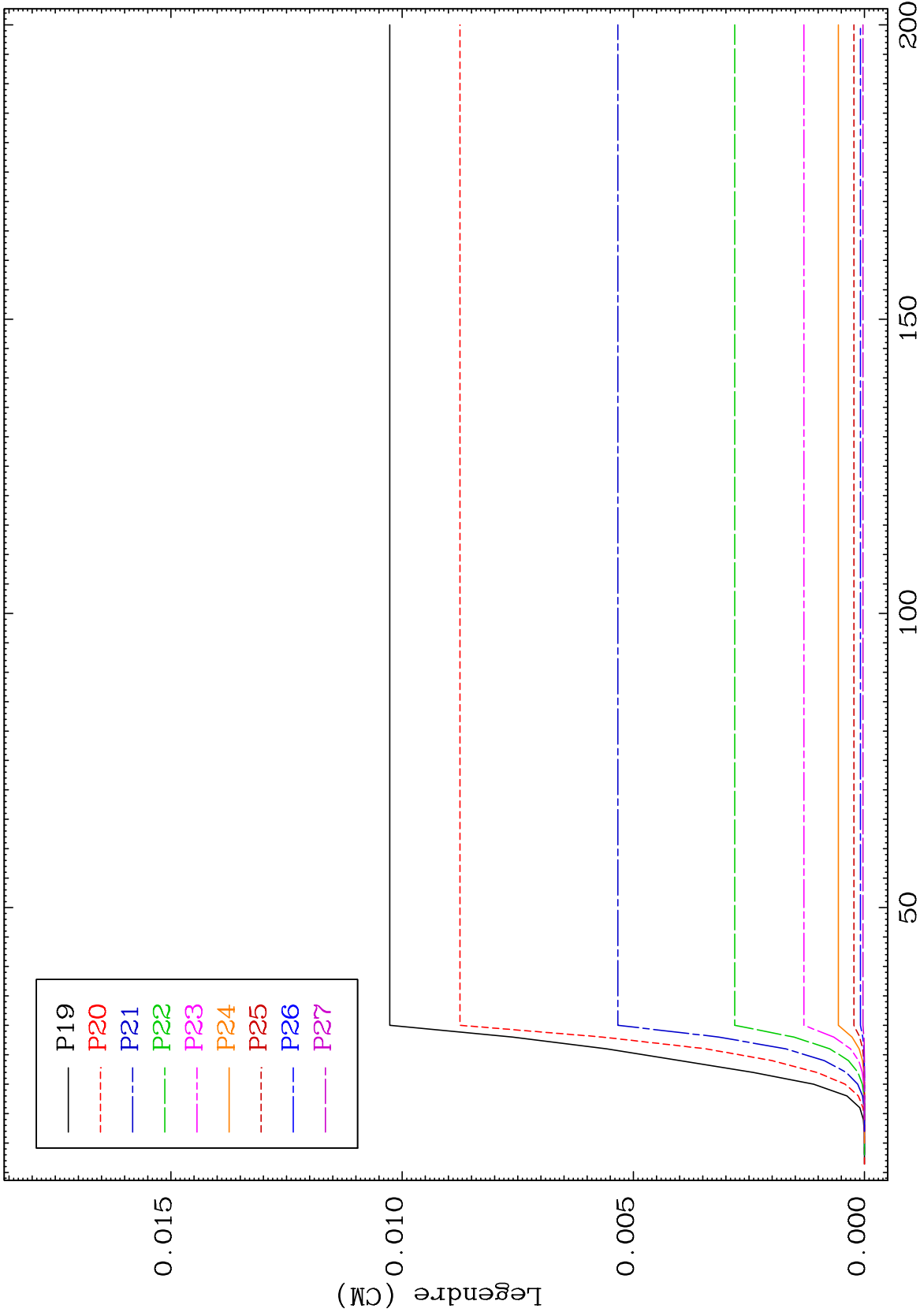
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



54

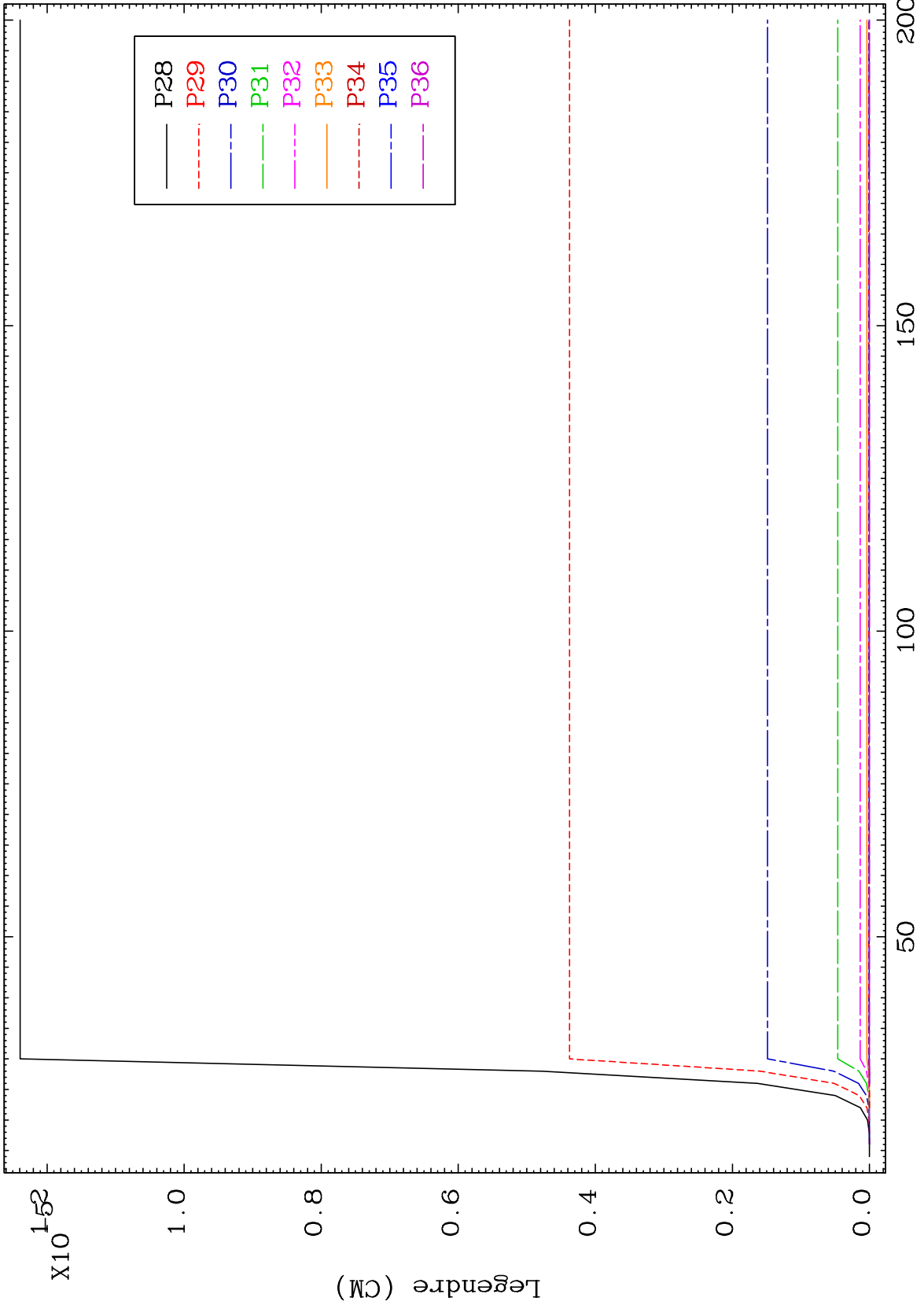
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



55

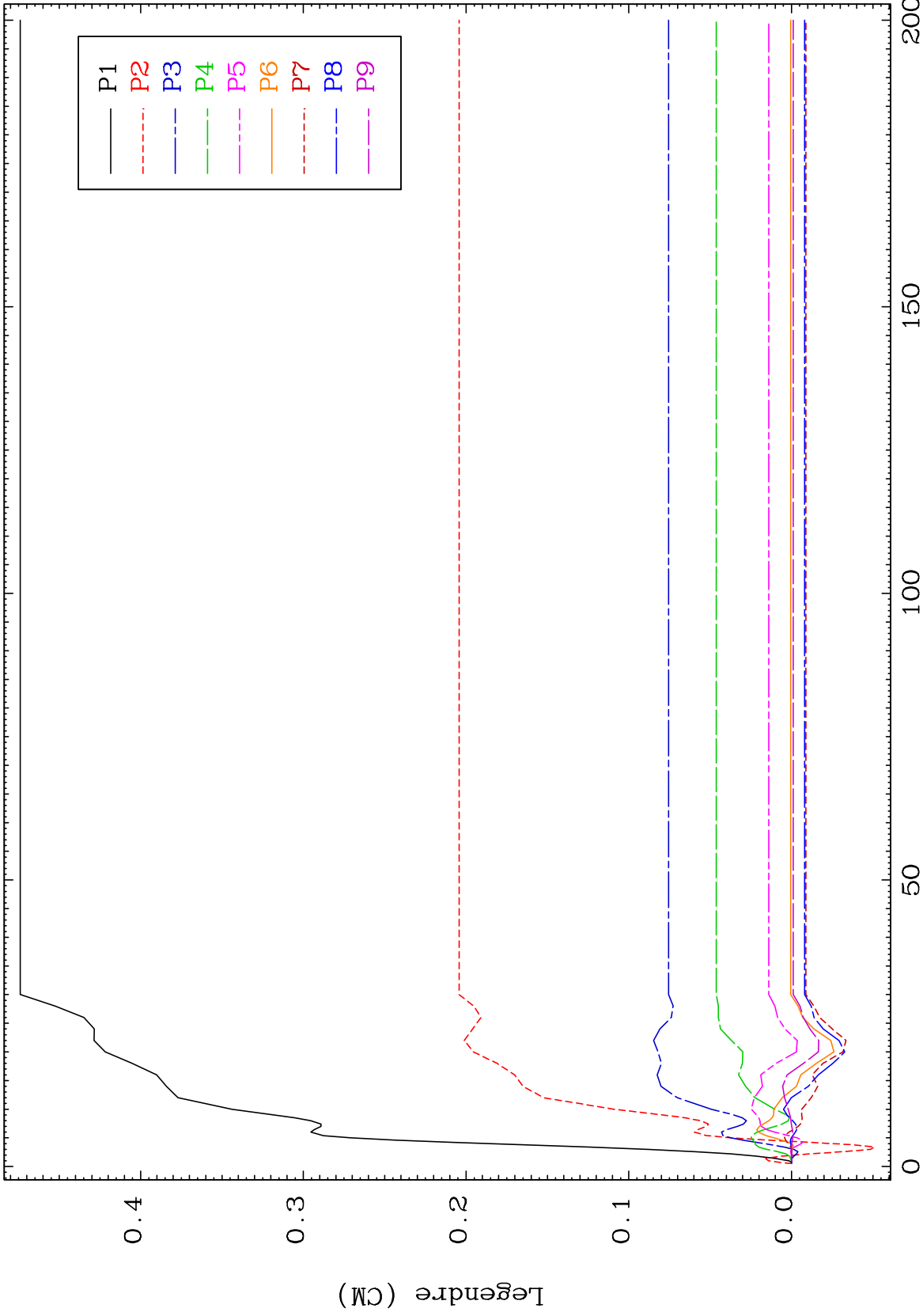
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



56

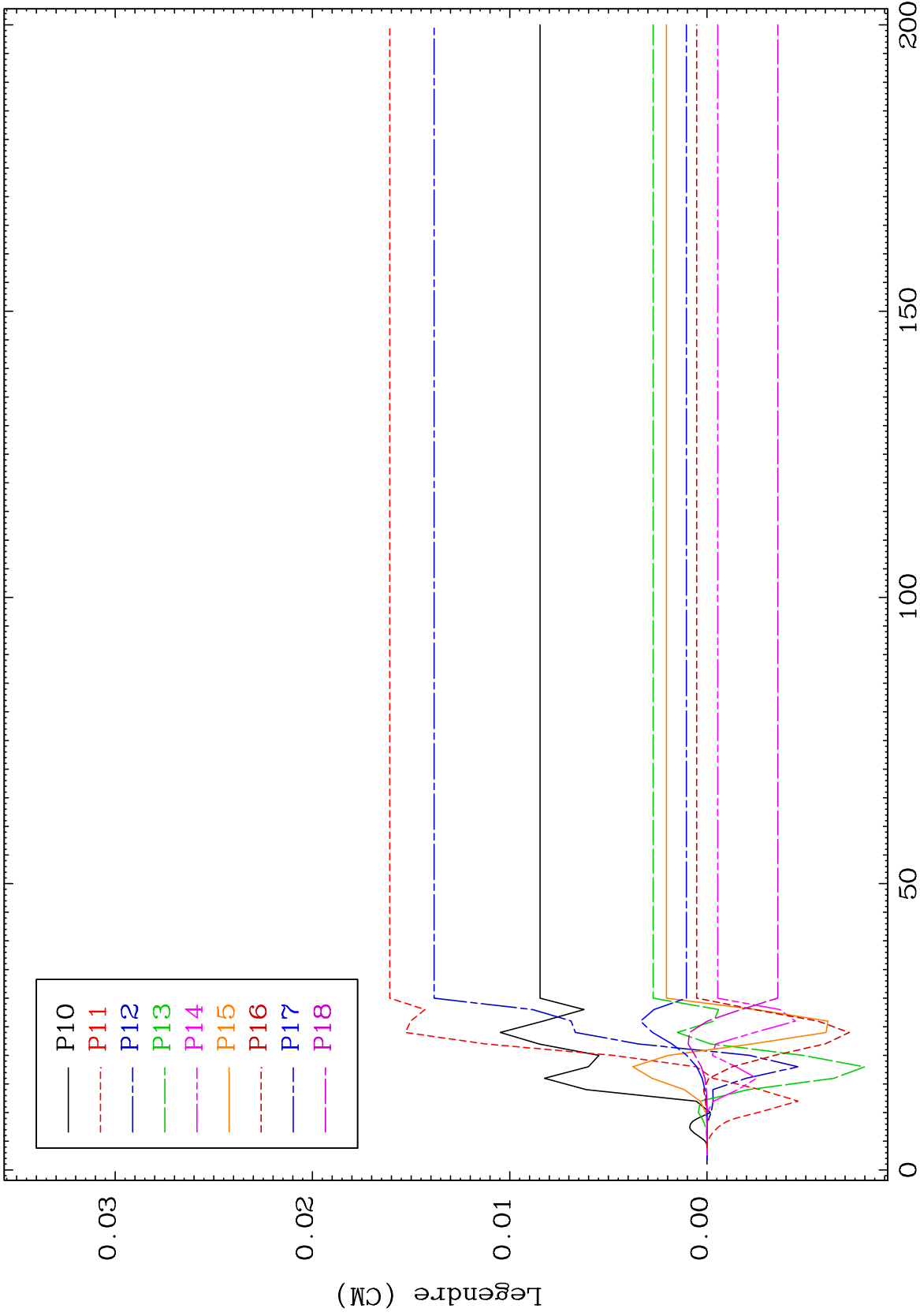
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



57

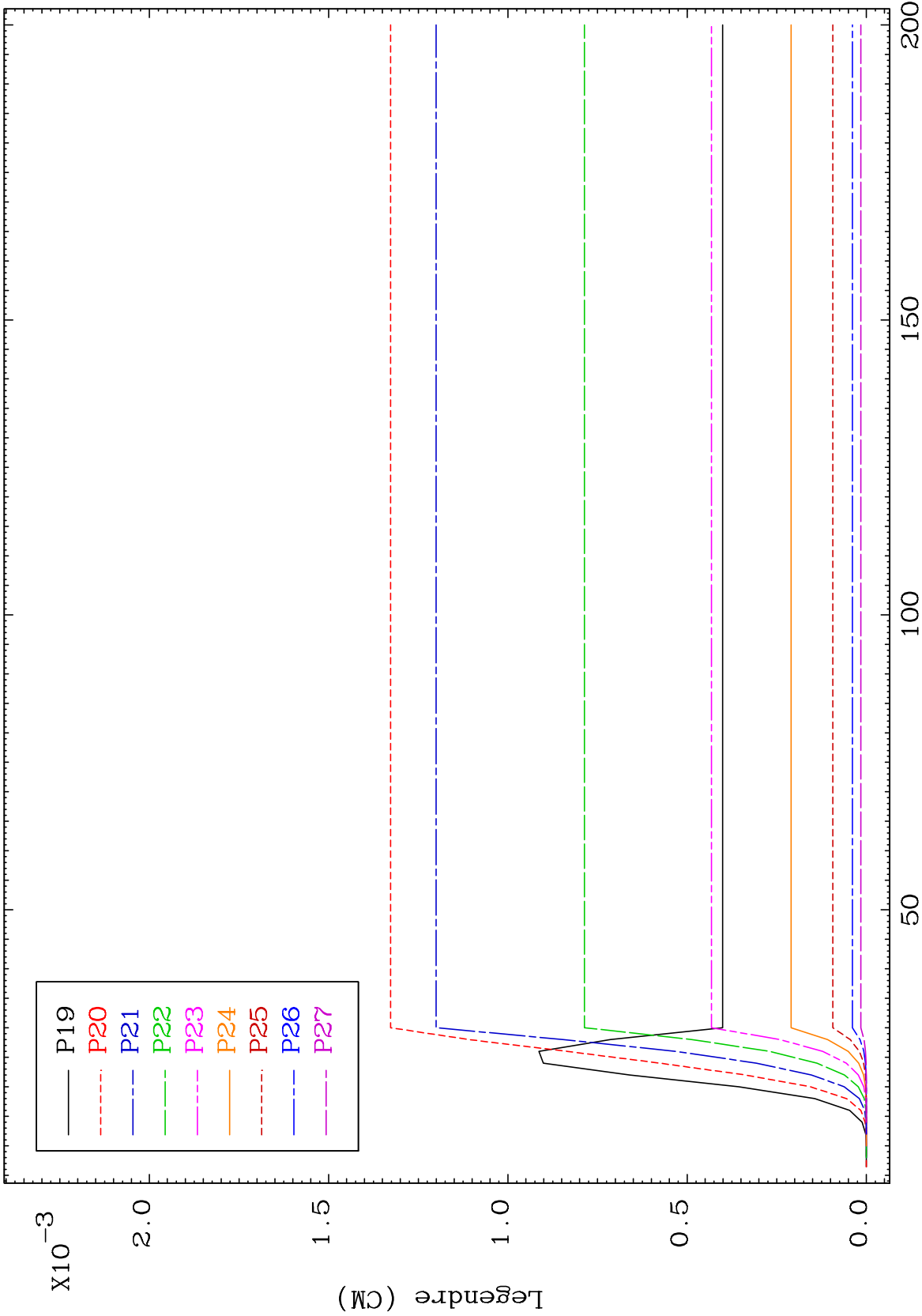
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



58

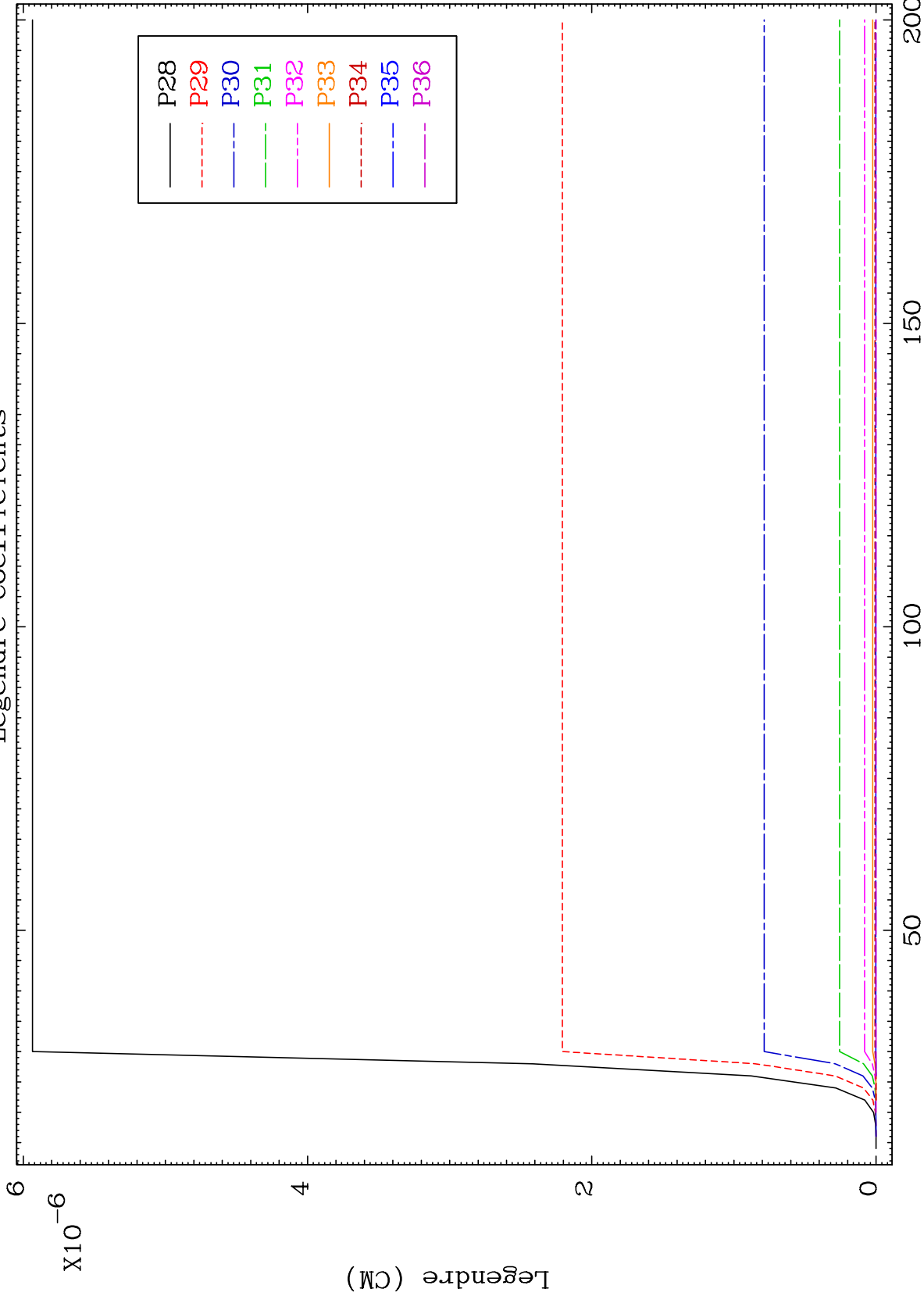
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



59

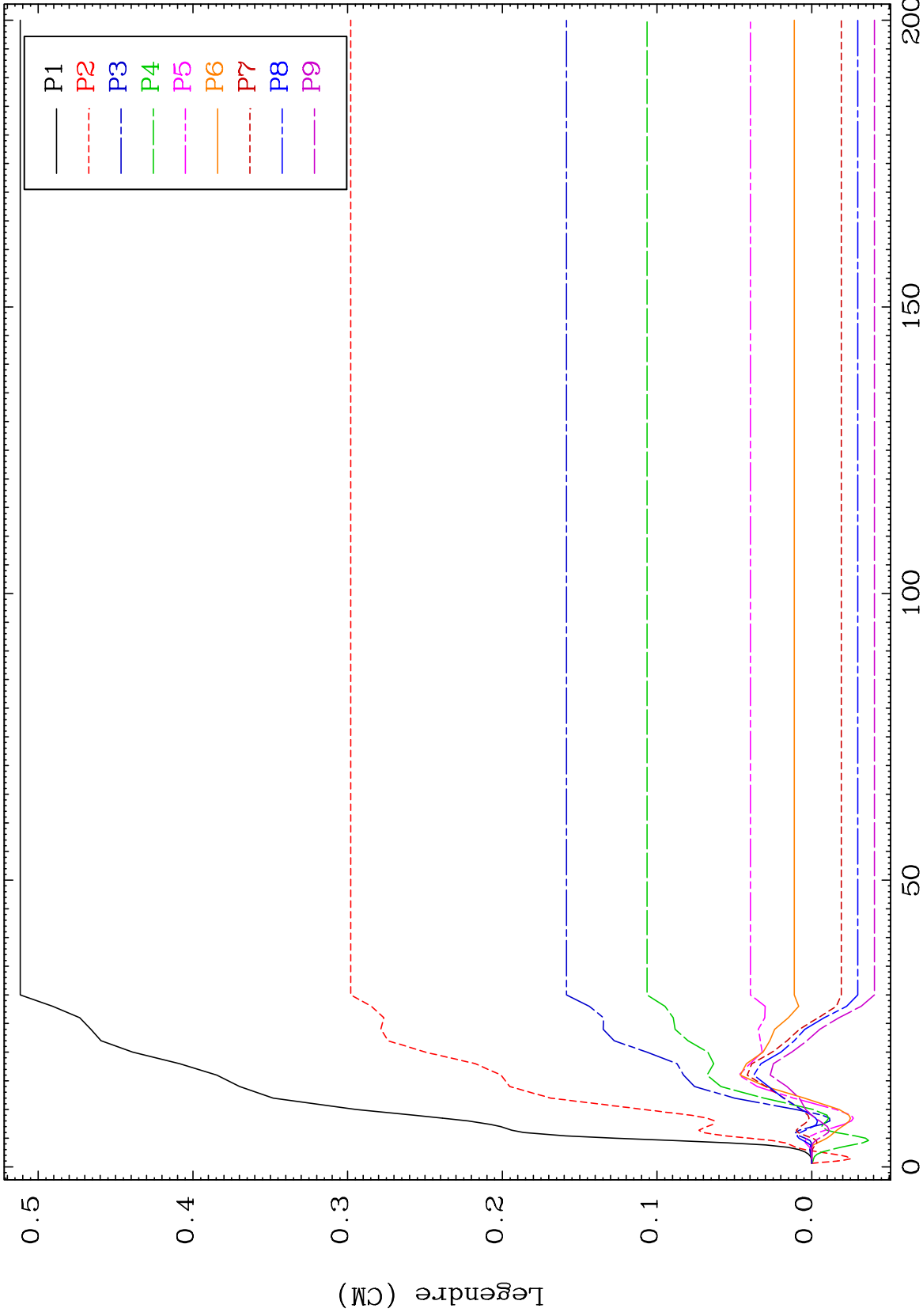
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



0

50

100

150

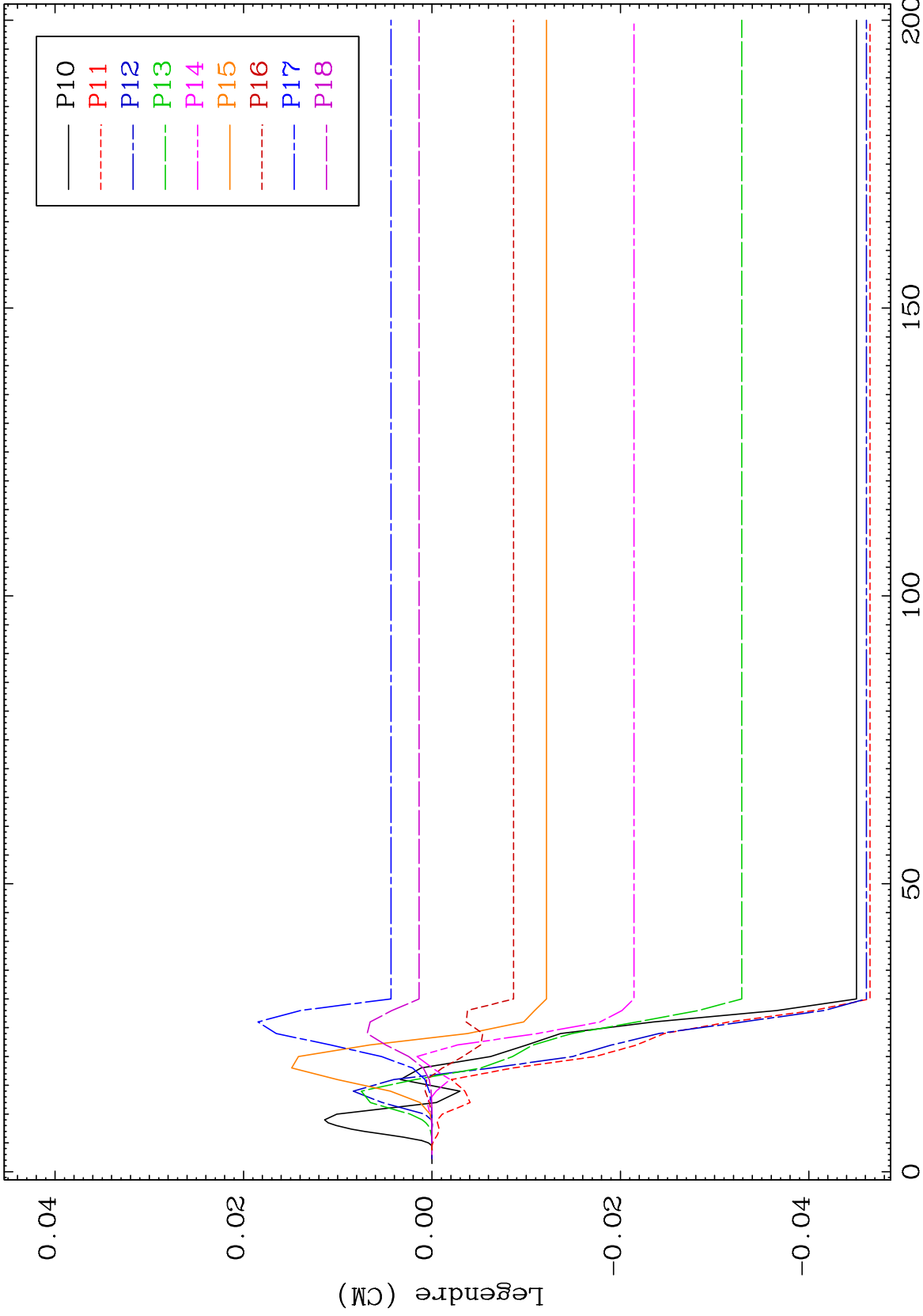
200

61-Pm-153

MAT 6167

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

61-Pm-153



61

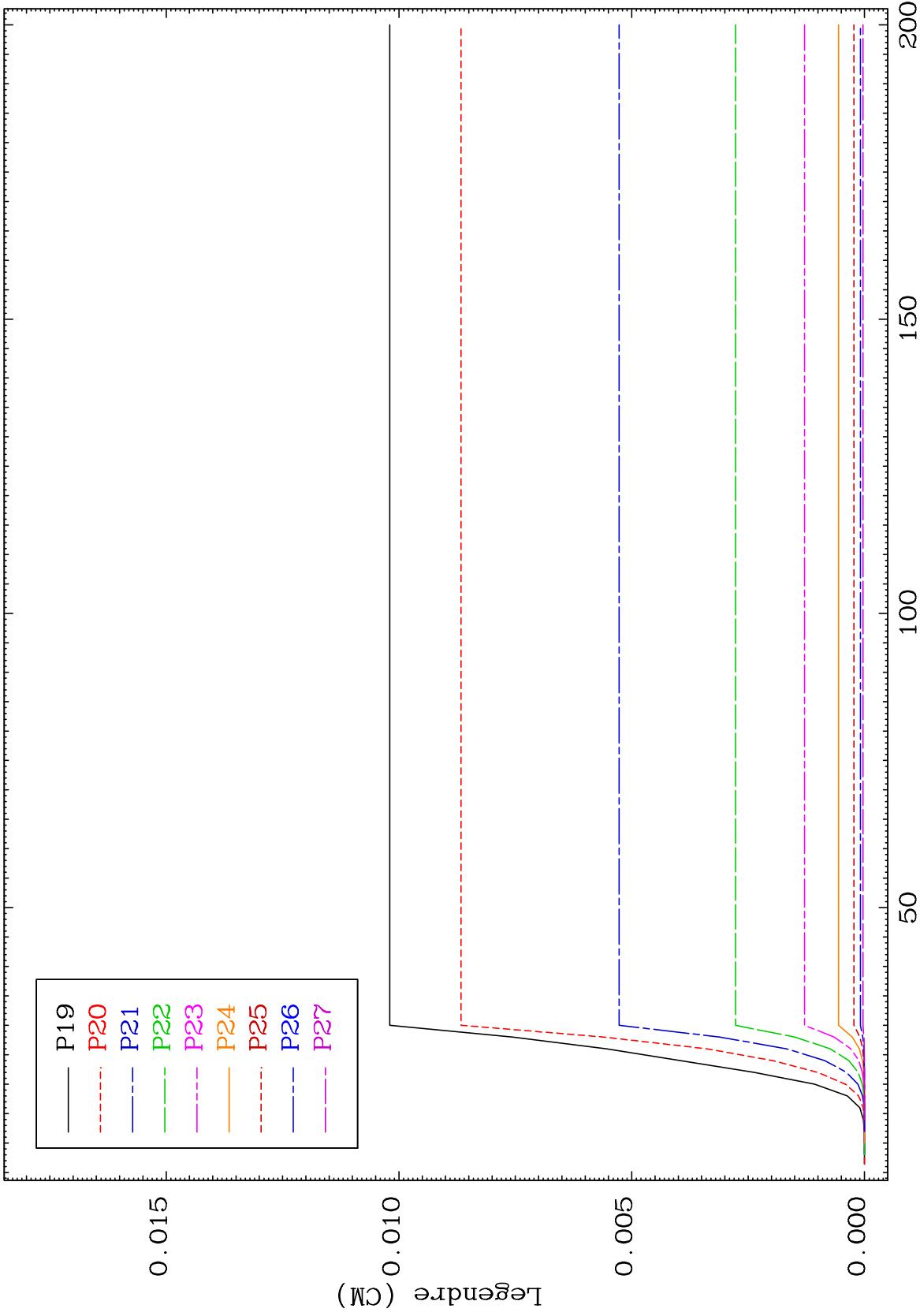
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



62

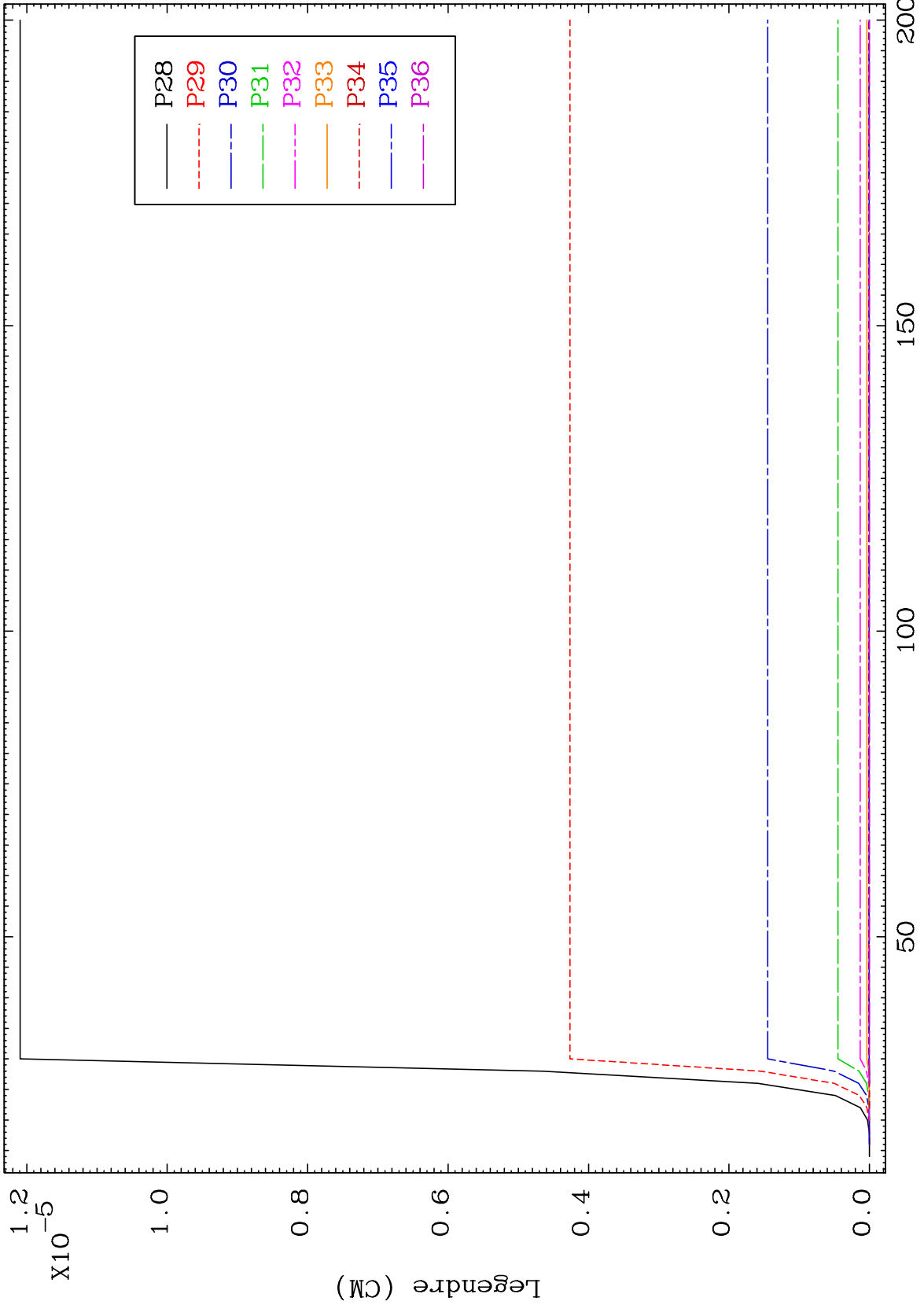
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



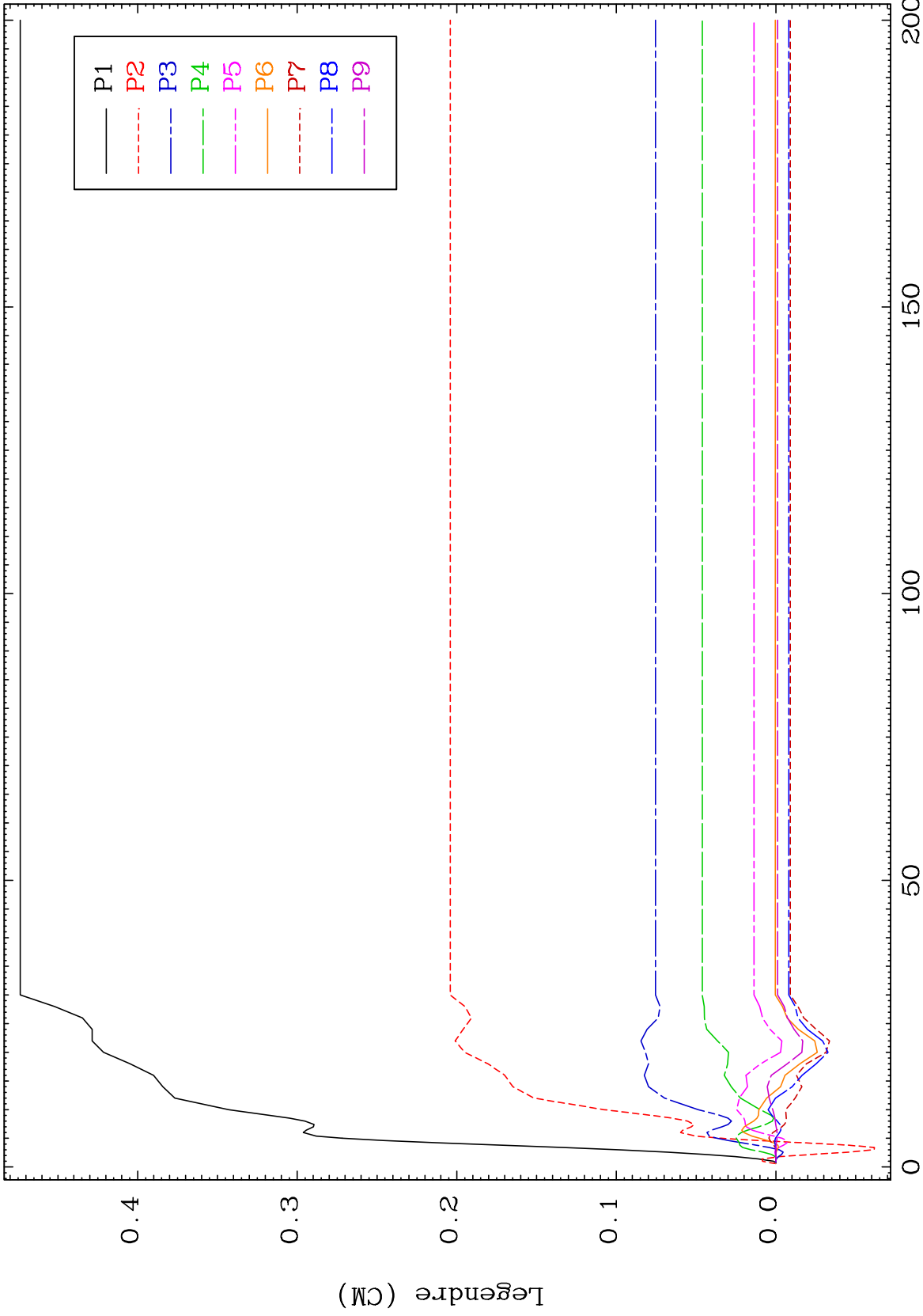
63

61-Pm-153

MAT 6167

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

61-Pm-153



64

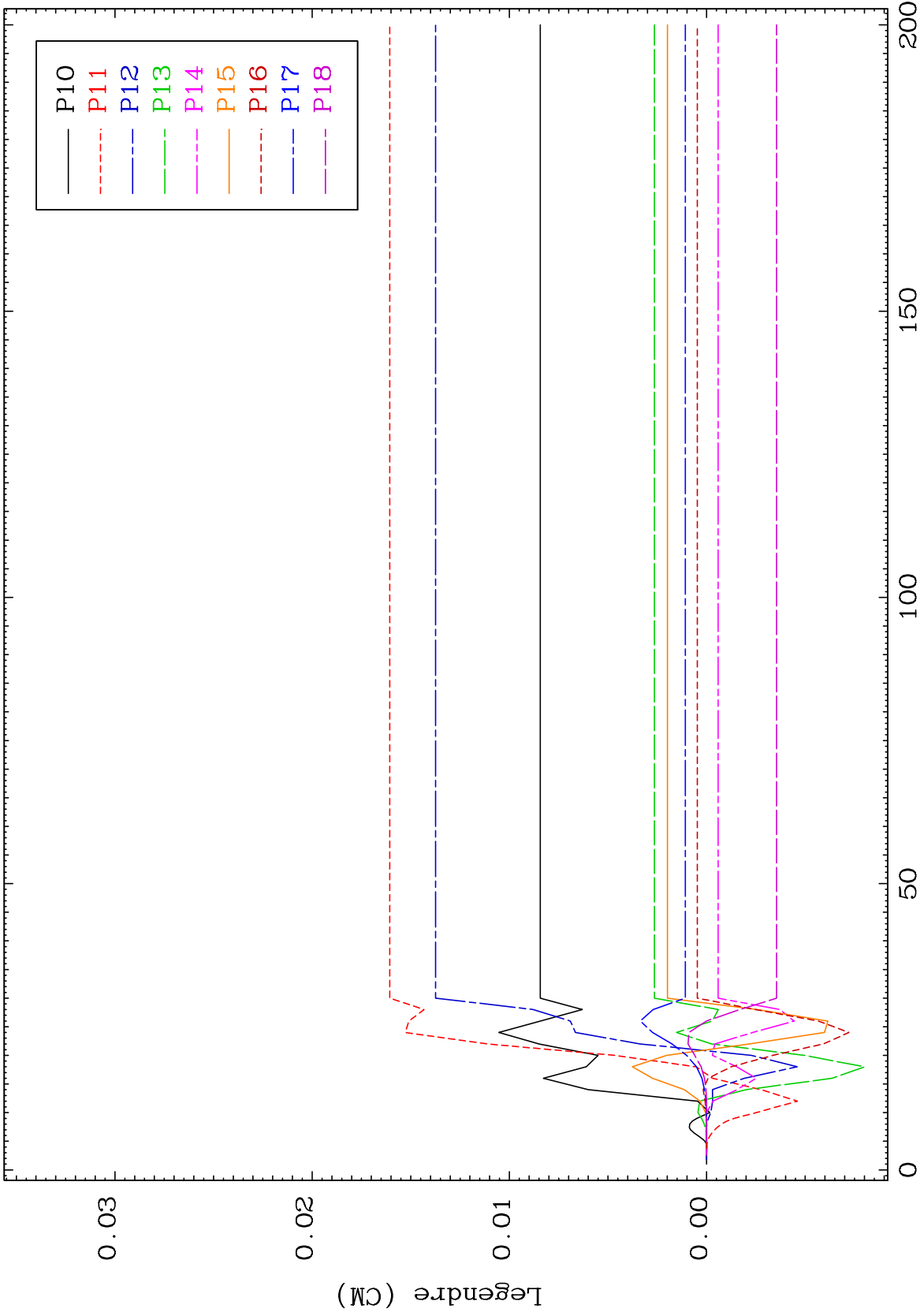
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



65

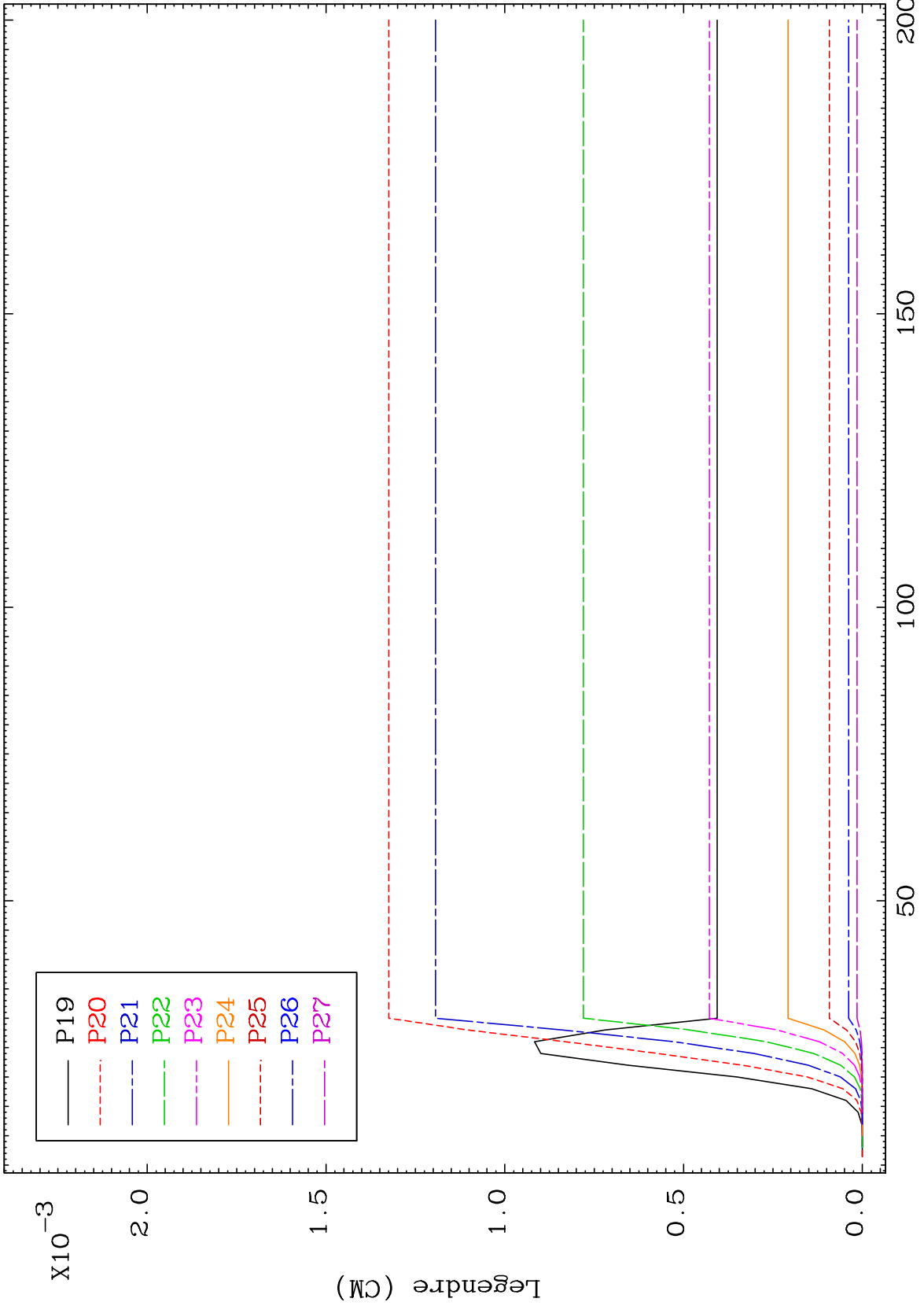
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



66

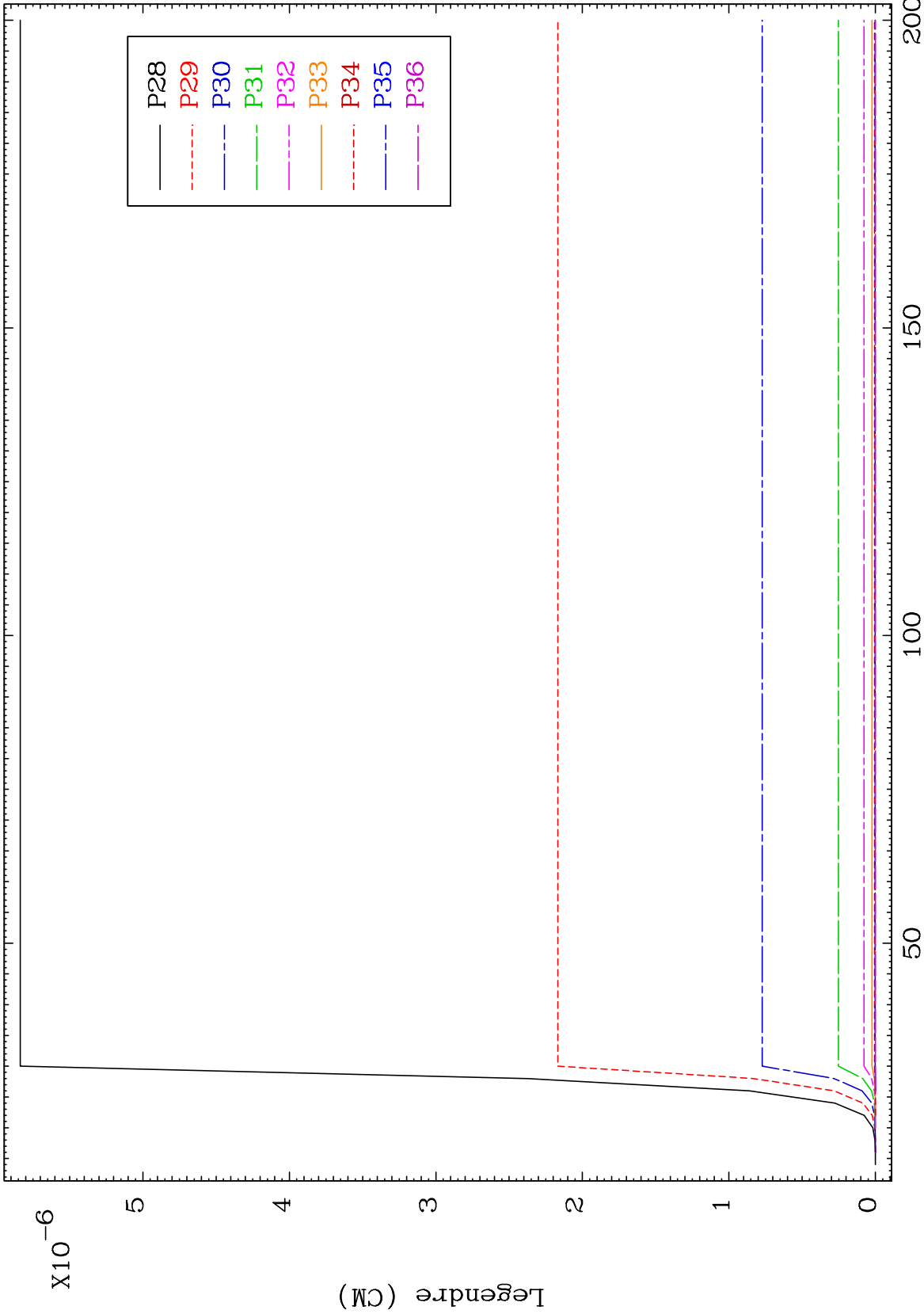
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



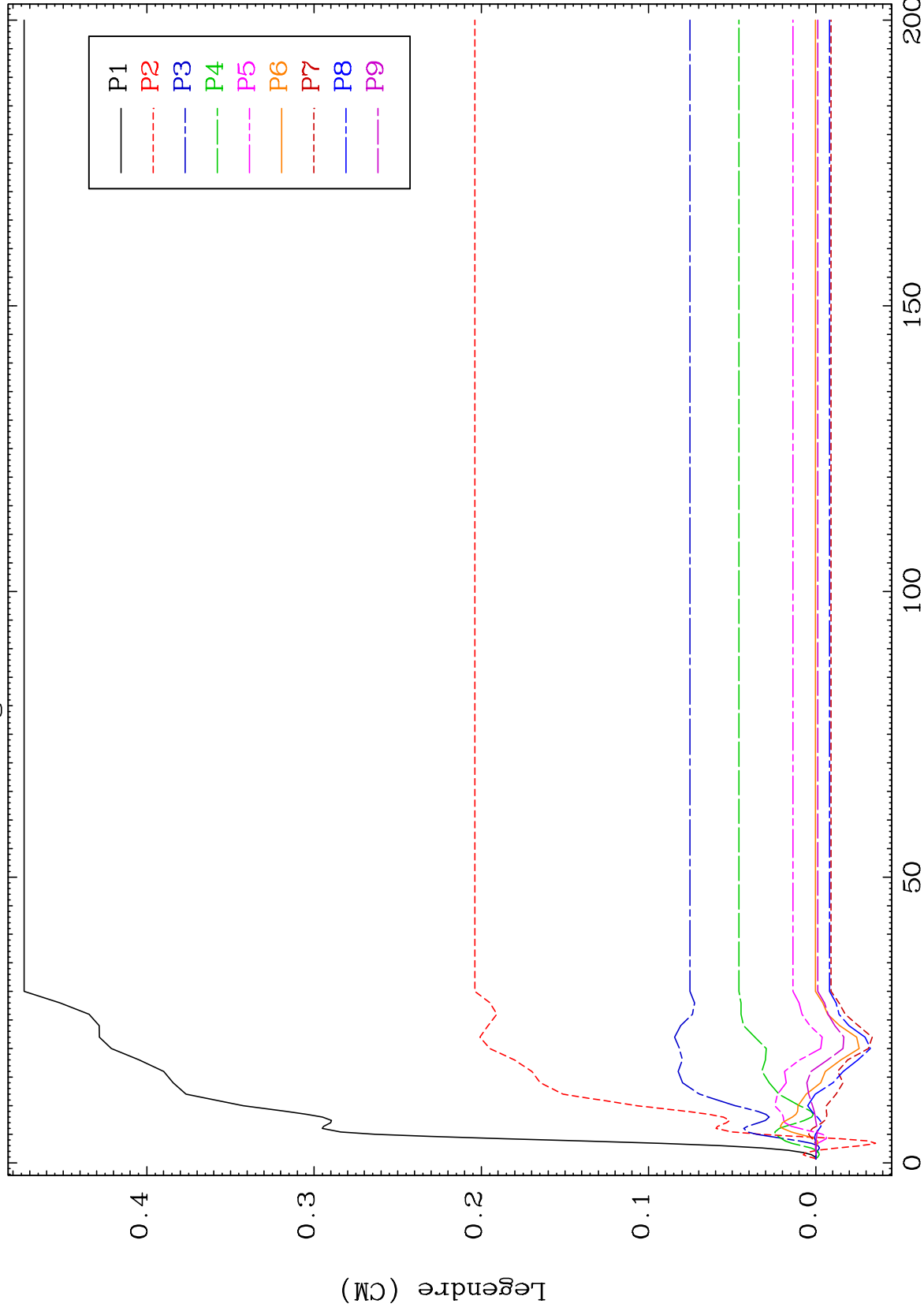
67

61-Pm-153

MAT 6167

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

61-Pm-153



68

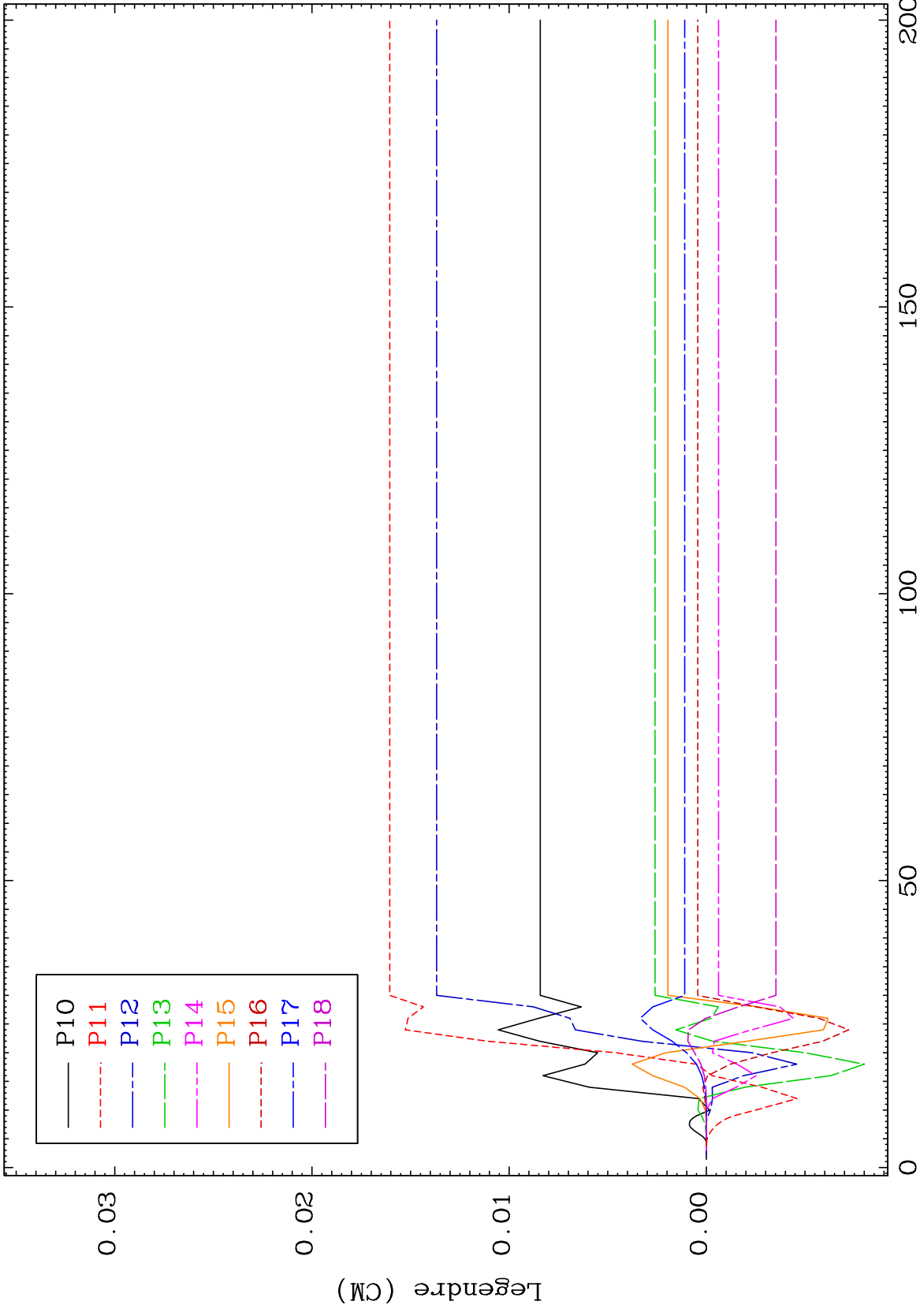
Incident Energy (MeV)

61-Pm-153

MAT 61677

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

61-Pm-153



69

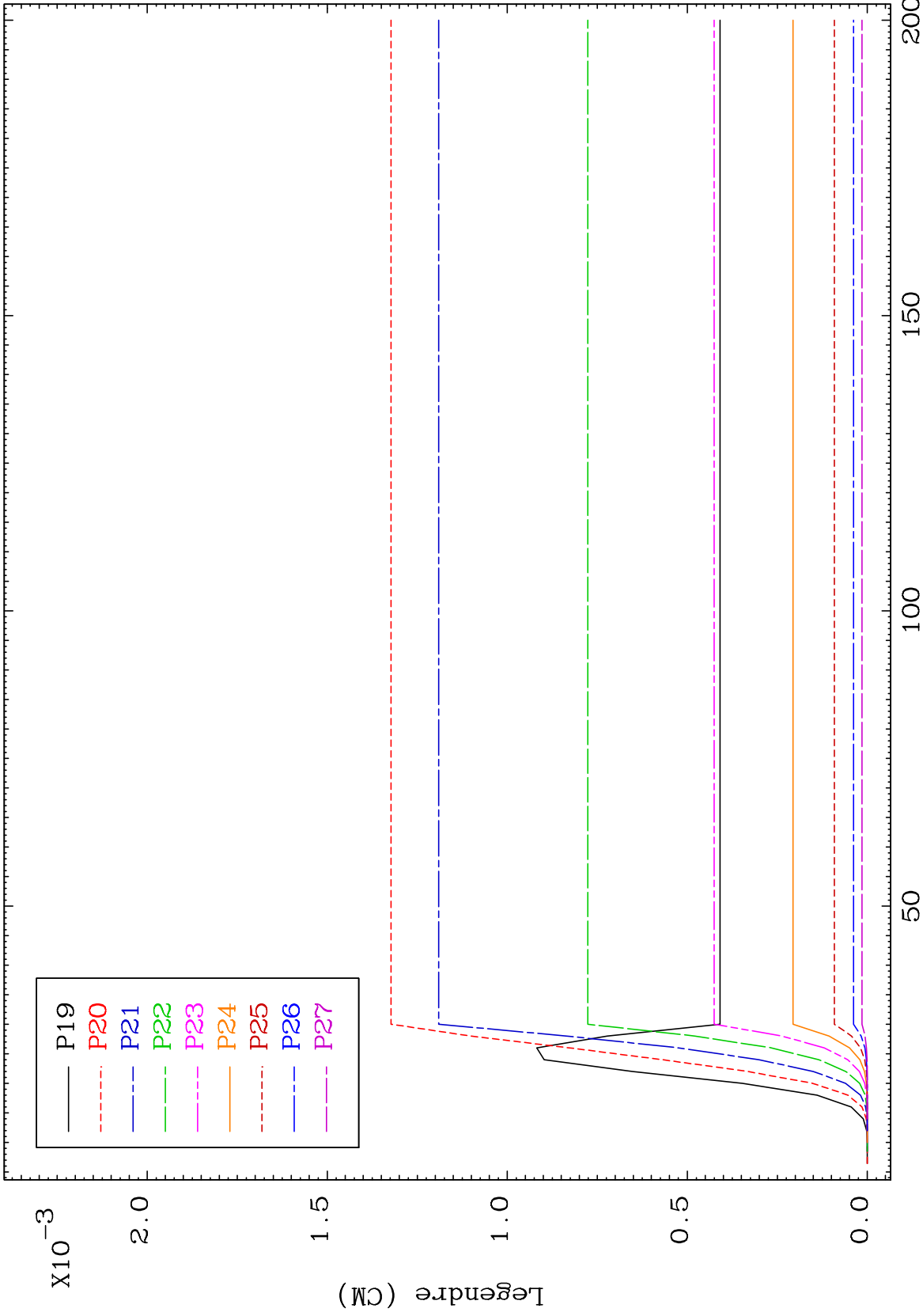
Incident Energy (MeV)

61-Pm-153

MAT 61677

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

61-Pm-153



70

Incident Energy (MeV)

50

100

150

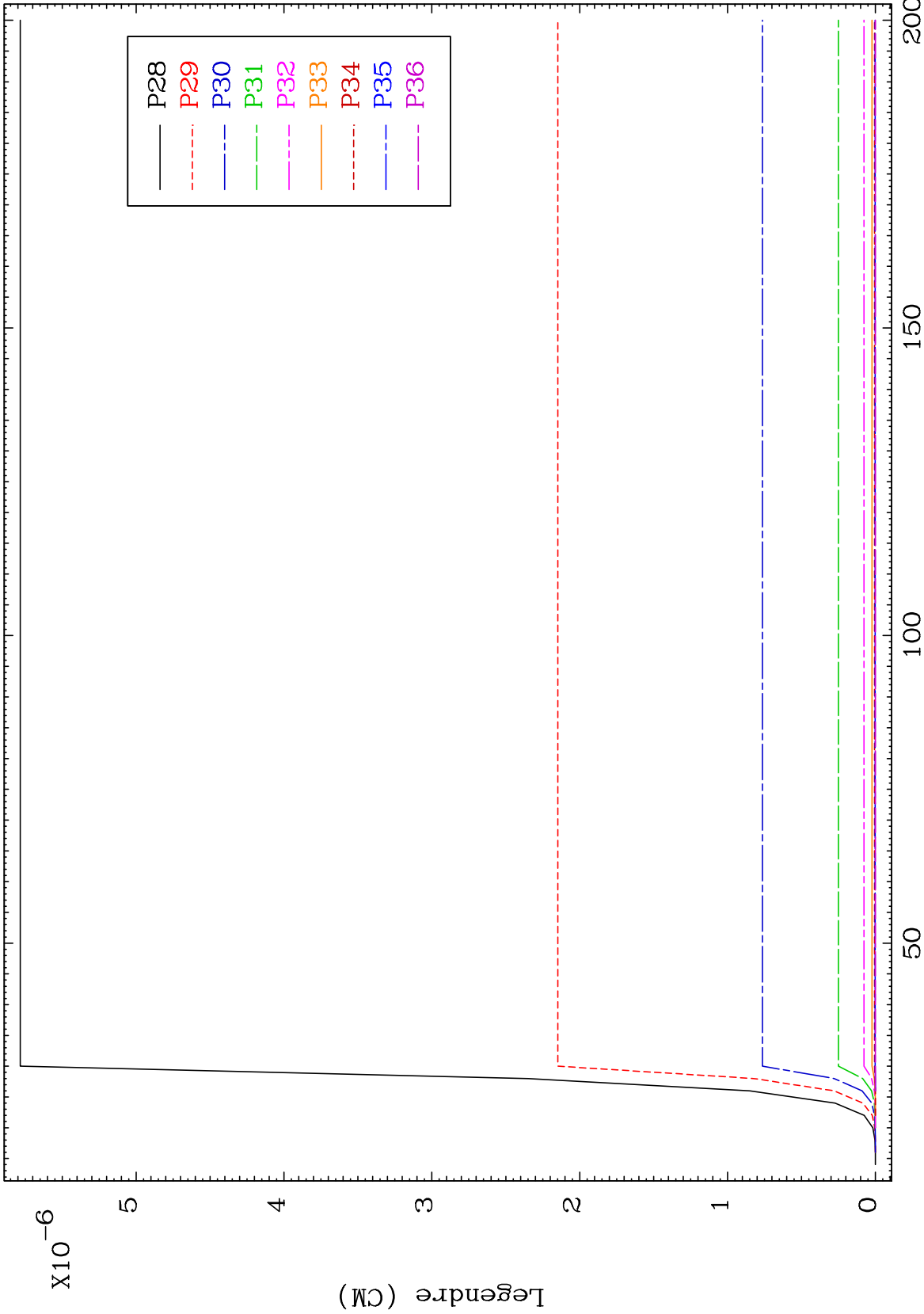
200

61-Pm-153

MAT 6167

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

61-Pm-153



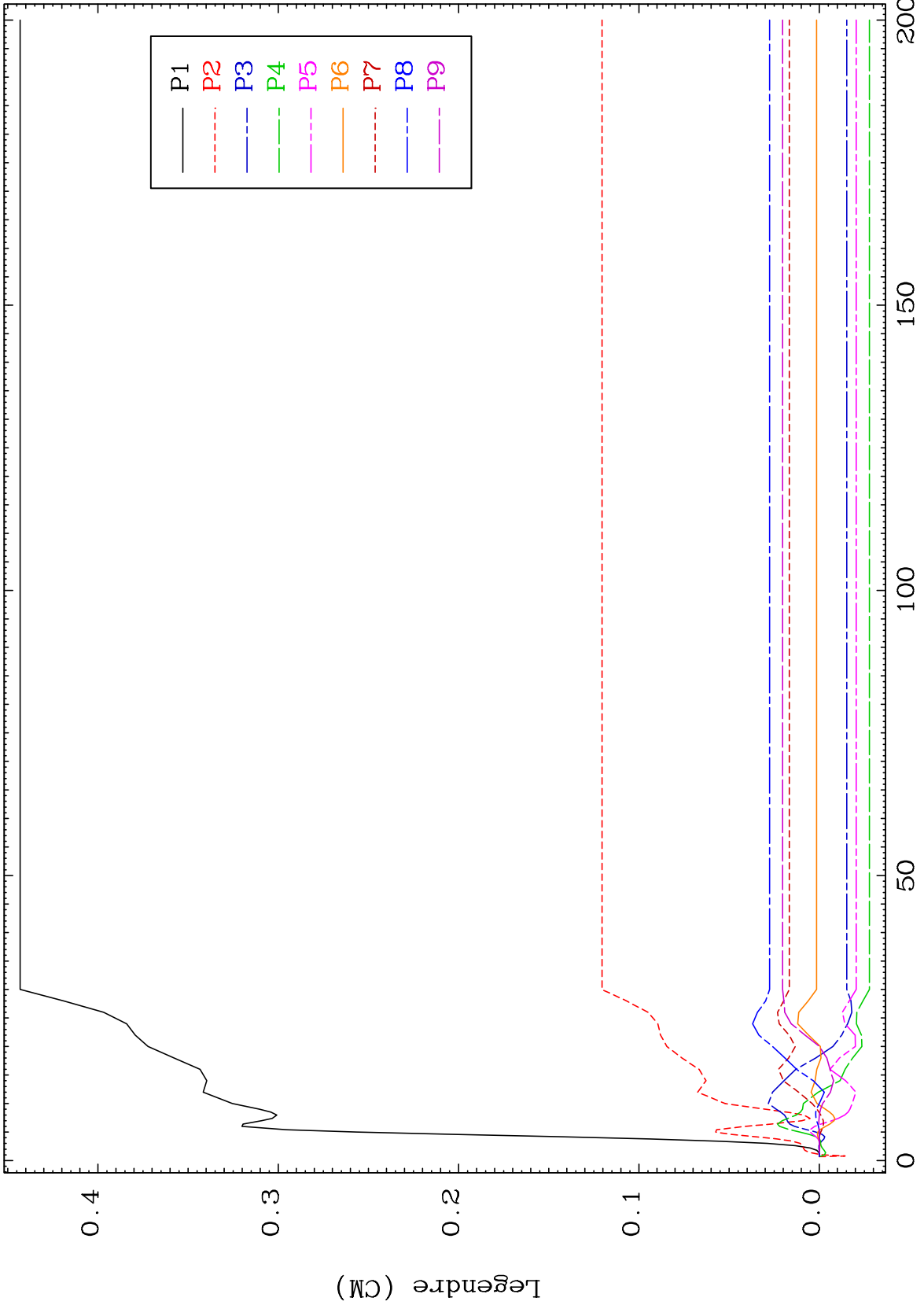
71

61-Pm-153

MAT 6167

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

61-Pm-153



72

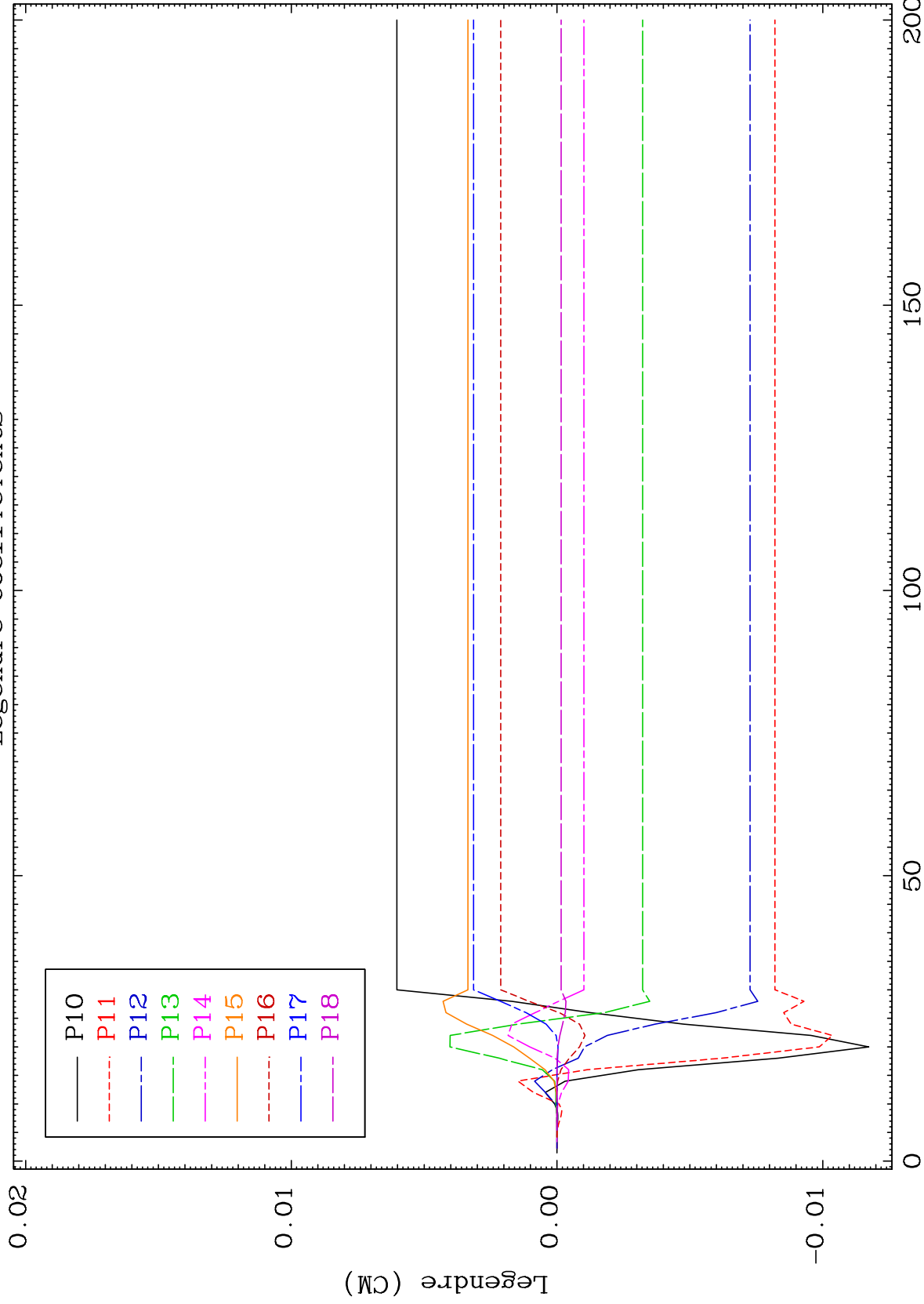
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



73

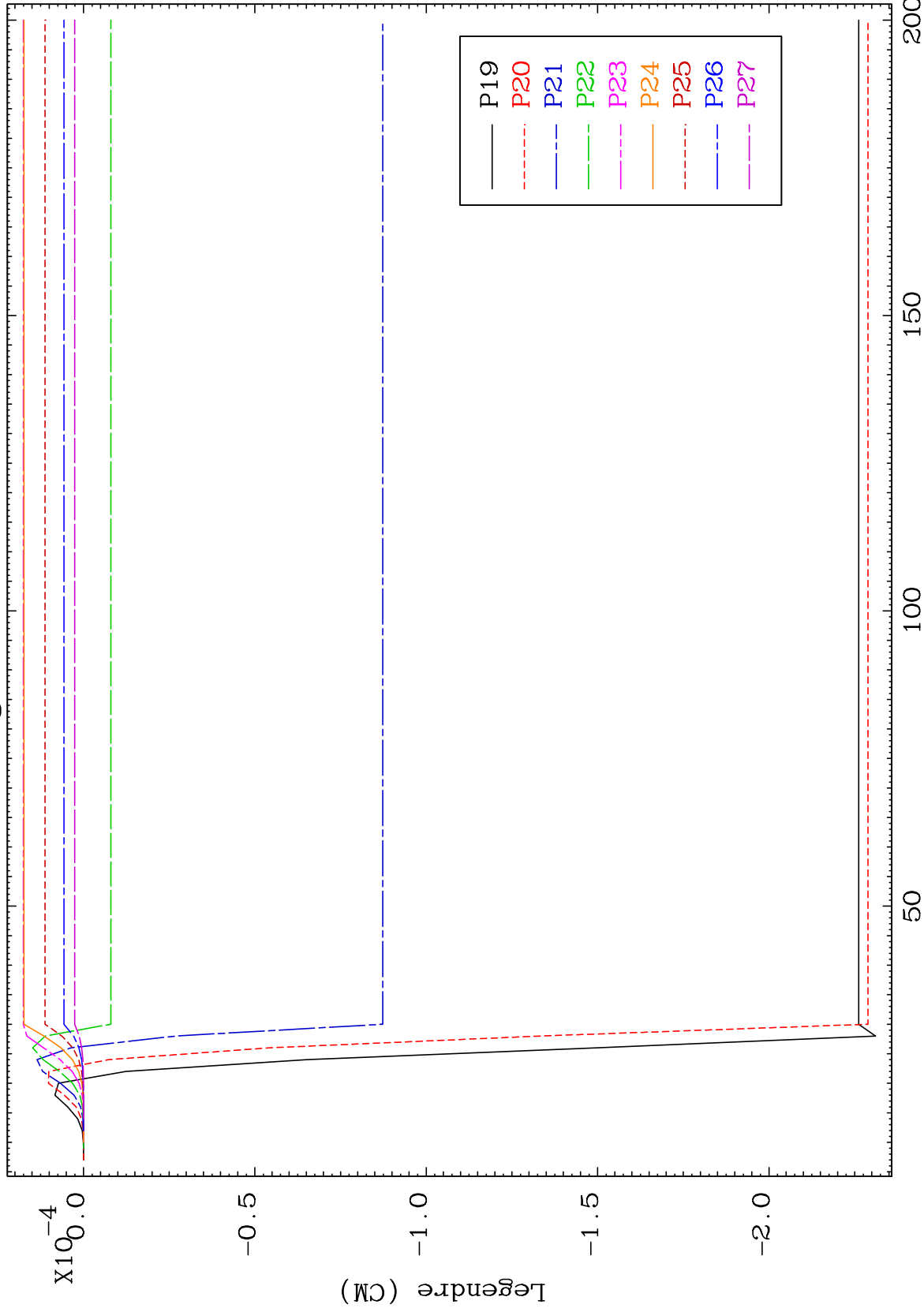
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



74

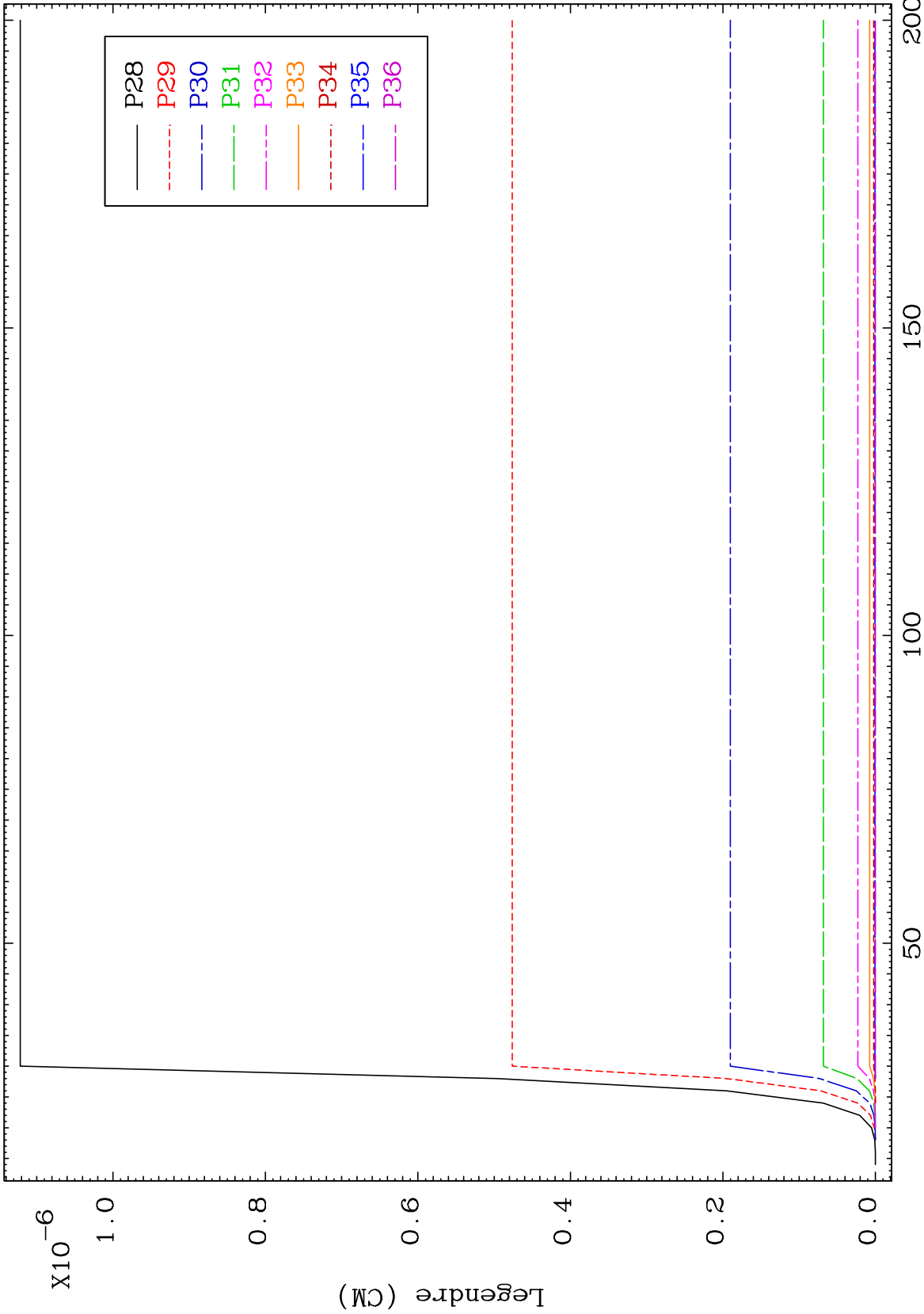
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



75

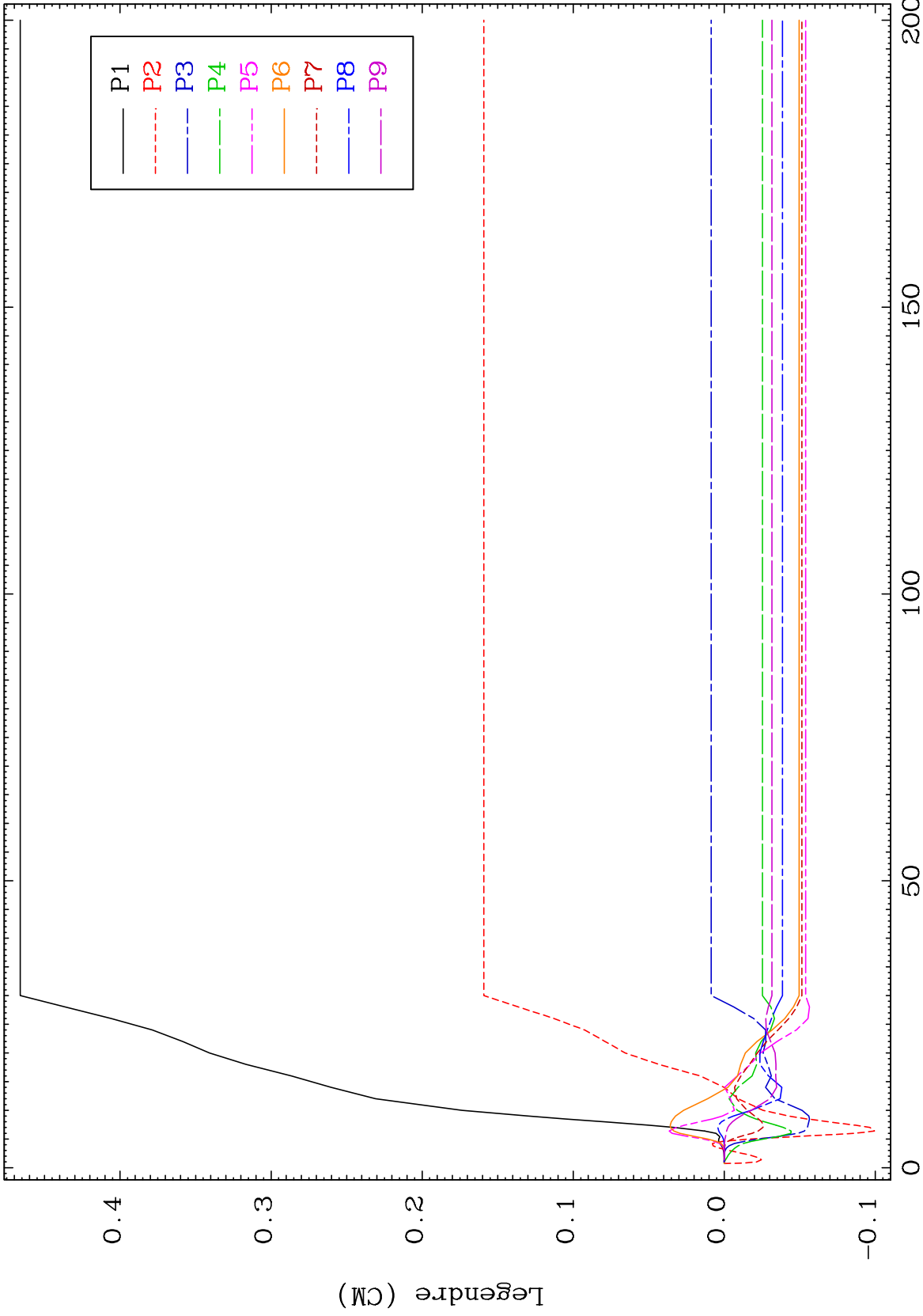
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



76

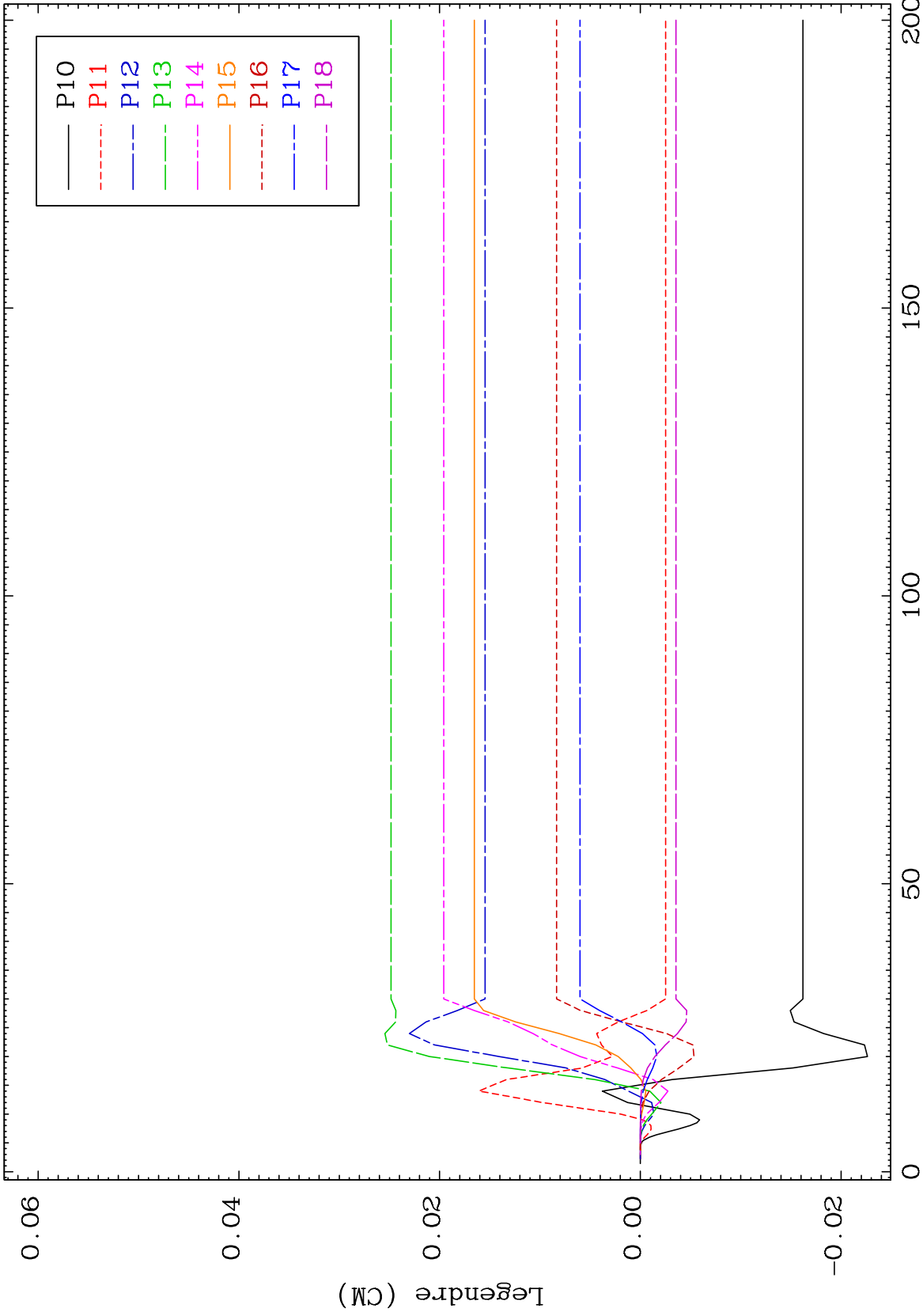
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



77

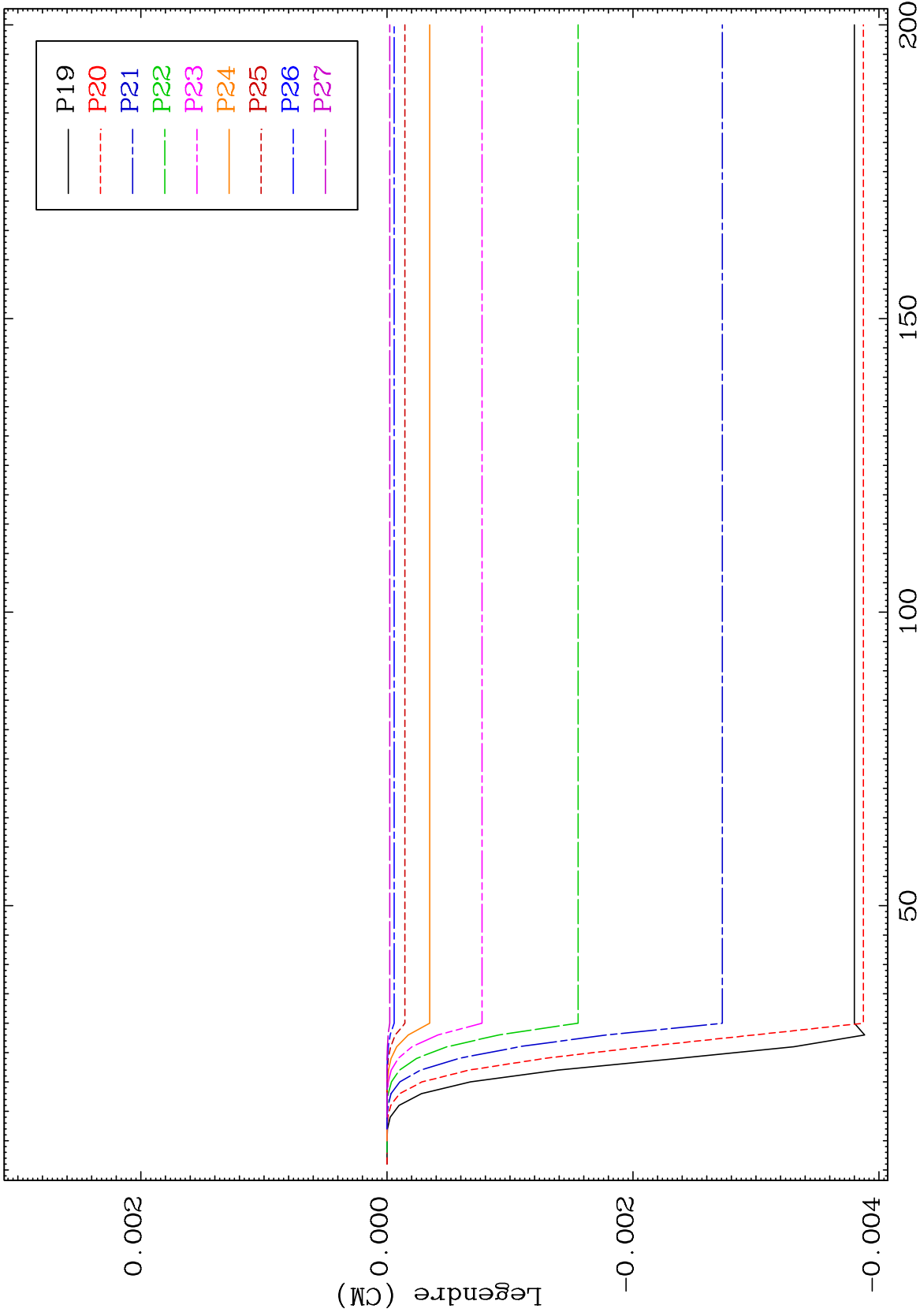
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



78

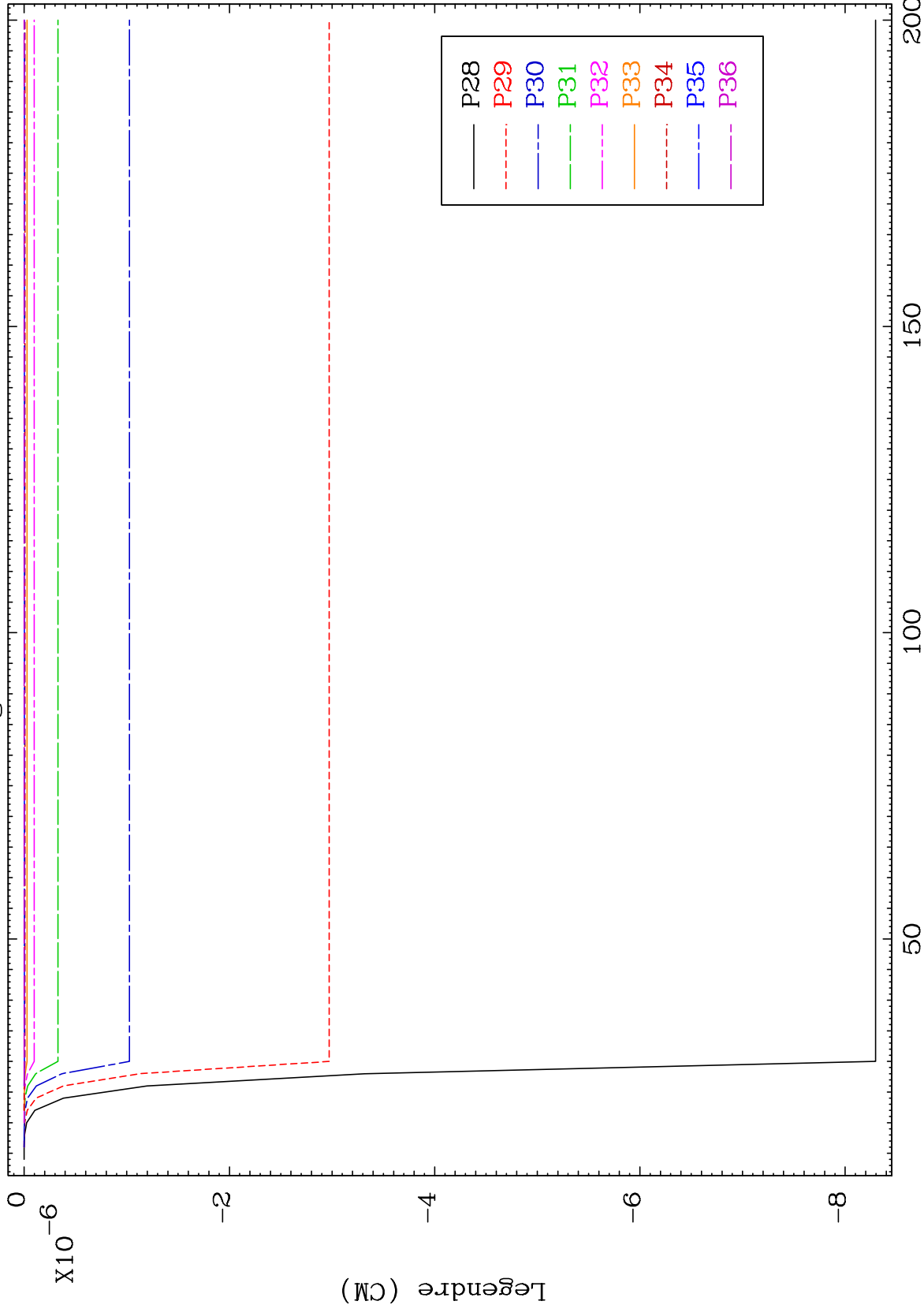
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



79

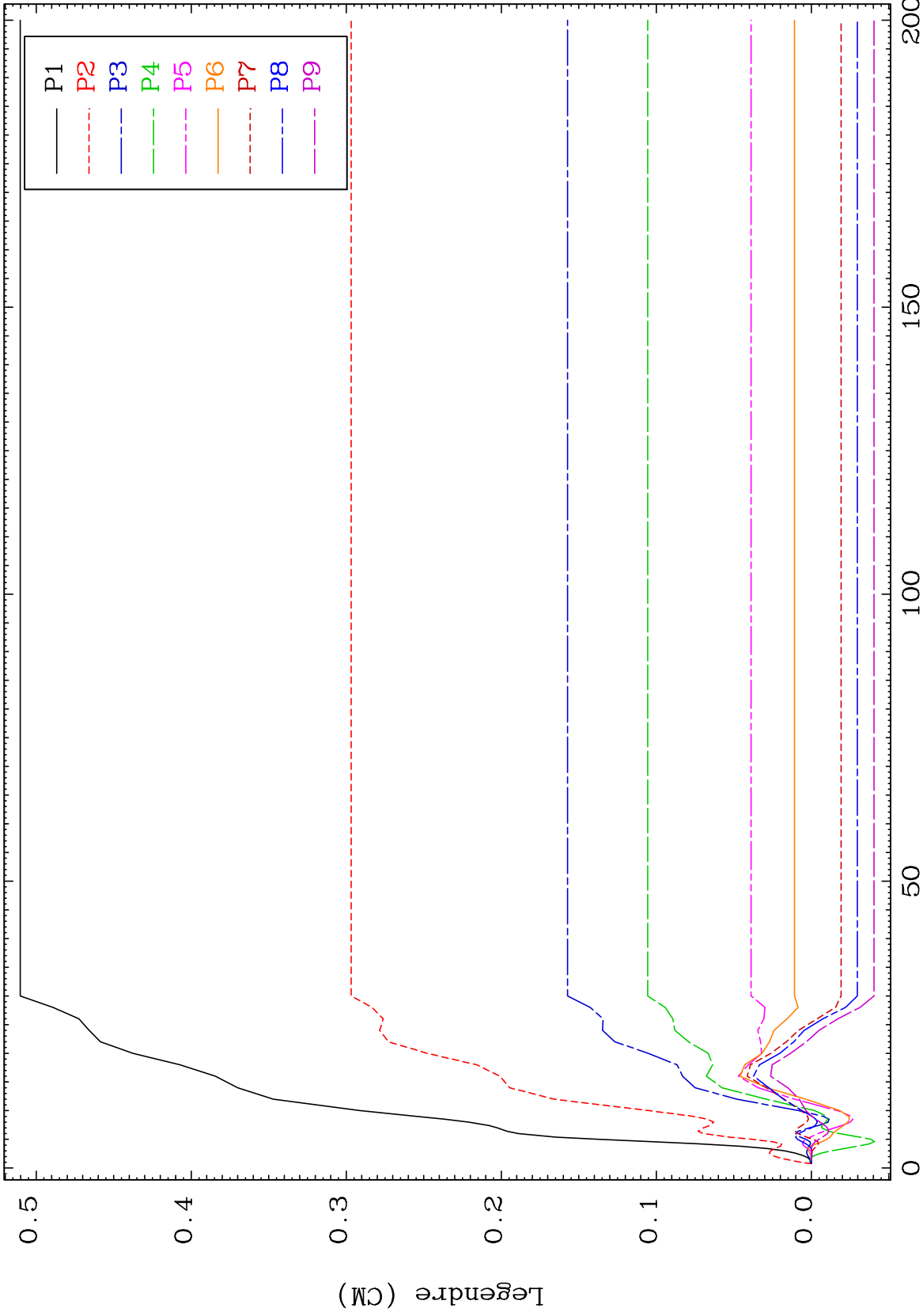
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



61-Pm-153

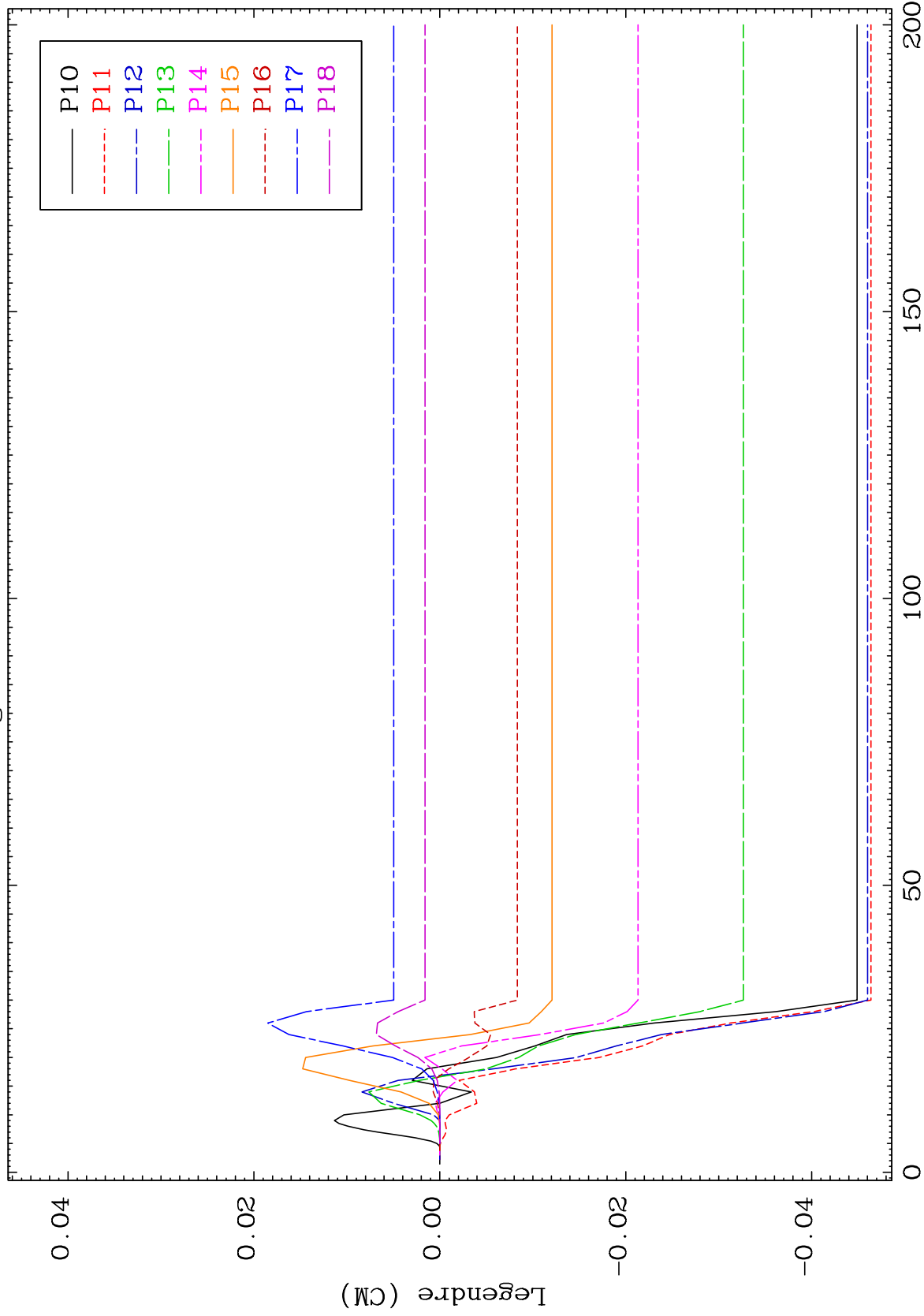
Incident Energy (MeV)

80

MAT 6167

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

61-Pm-153



81

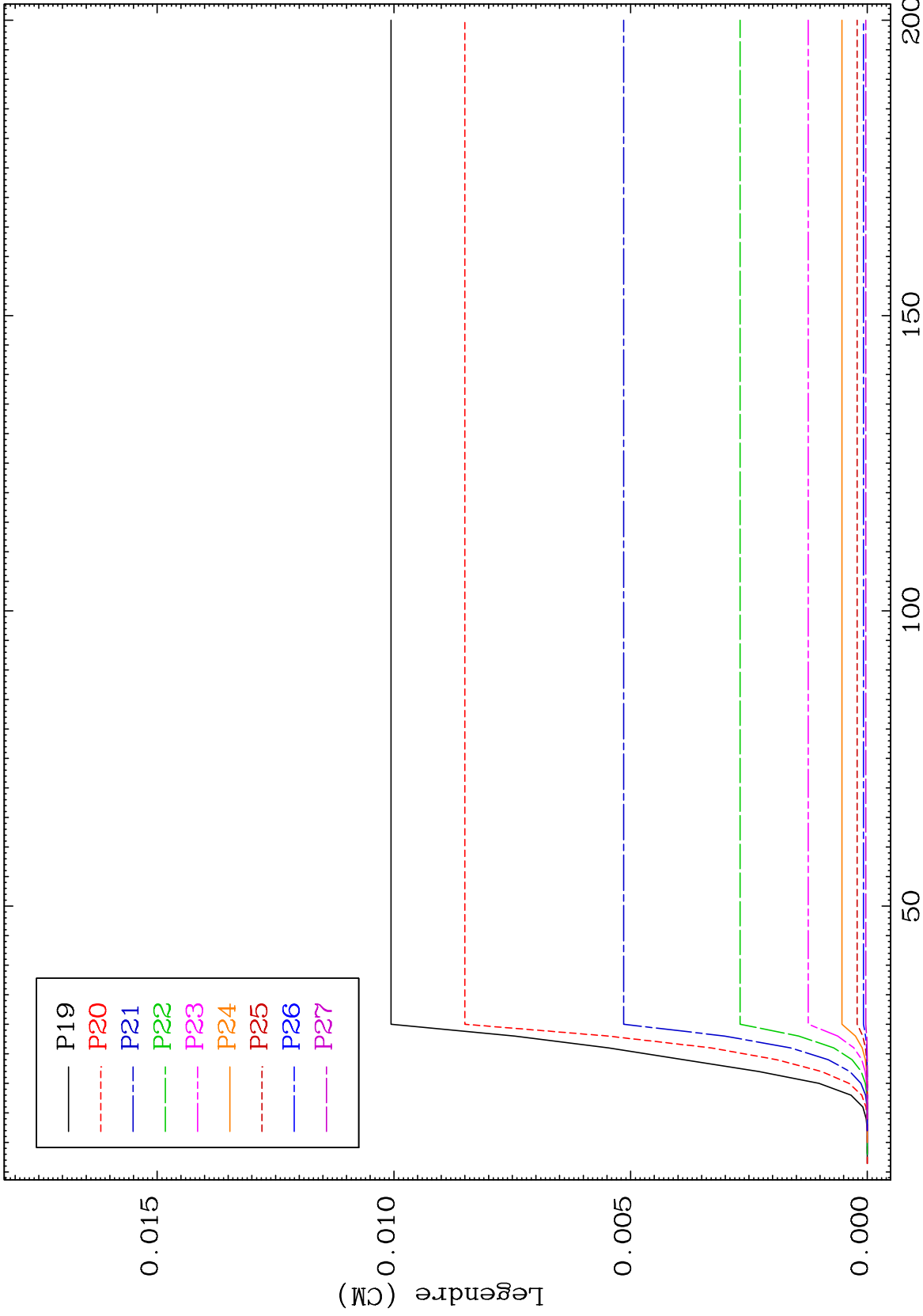
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



82

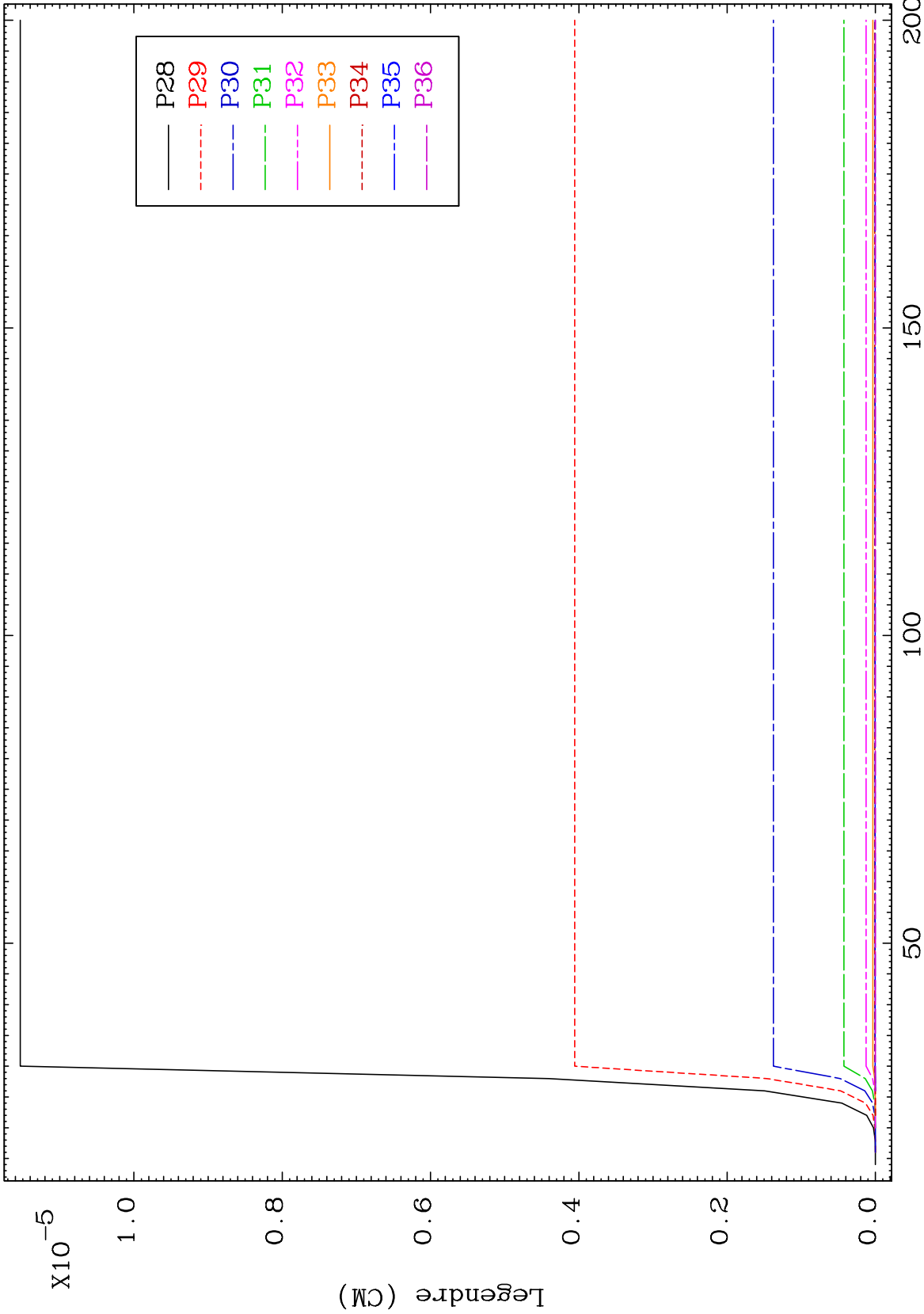
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153

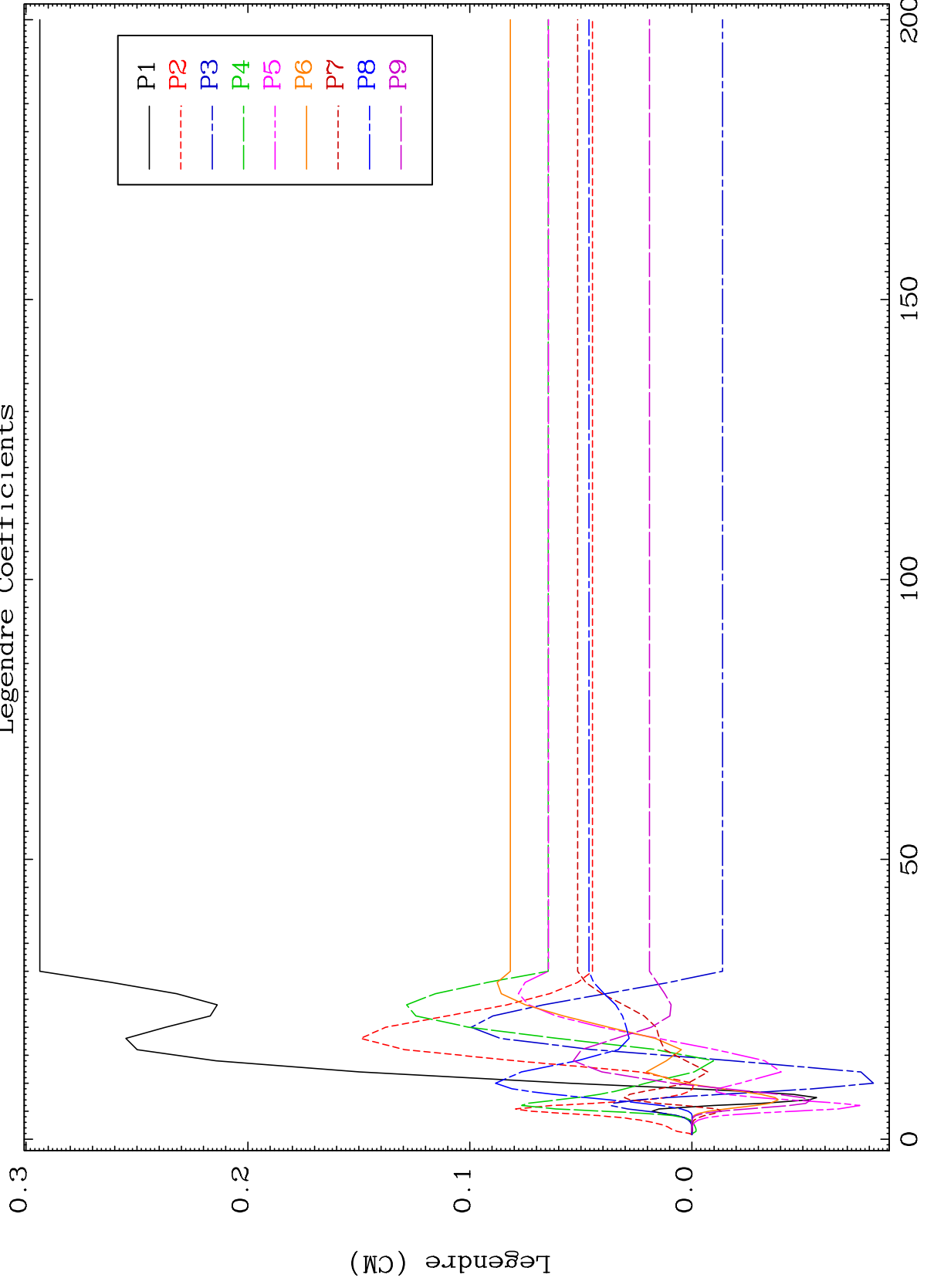


83

Incident Energy (MeV)

61-Pm-153

MAT 6167 MT= 67 (n,n') Level Legendre Coefficients 61-Pm-153

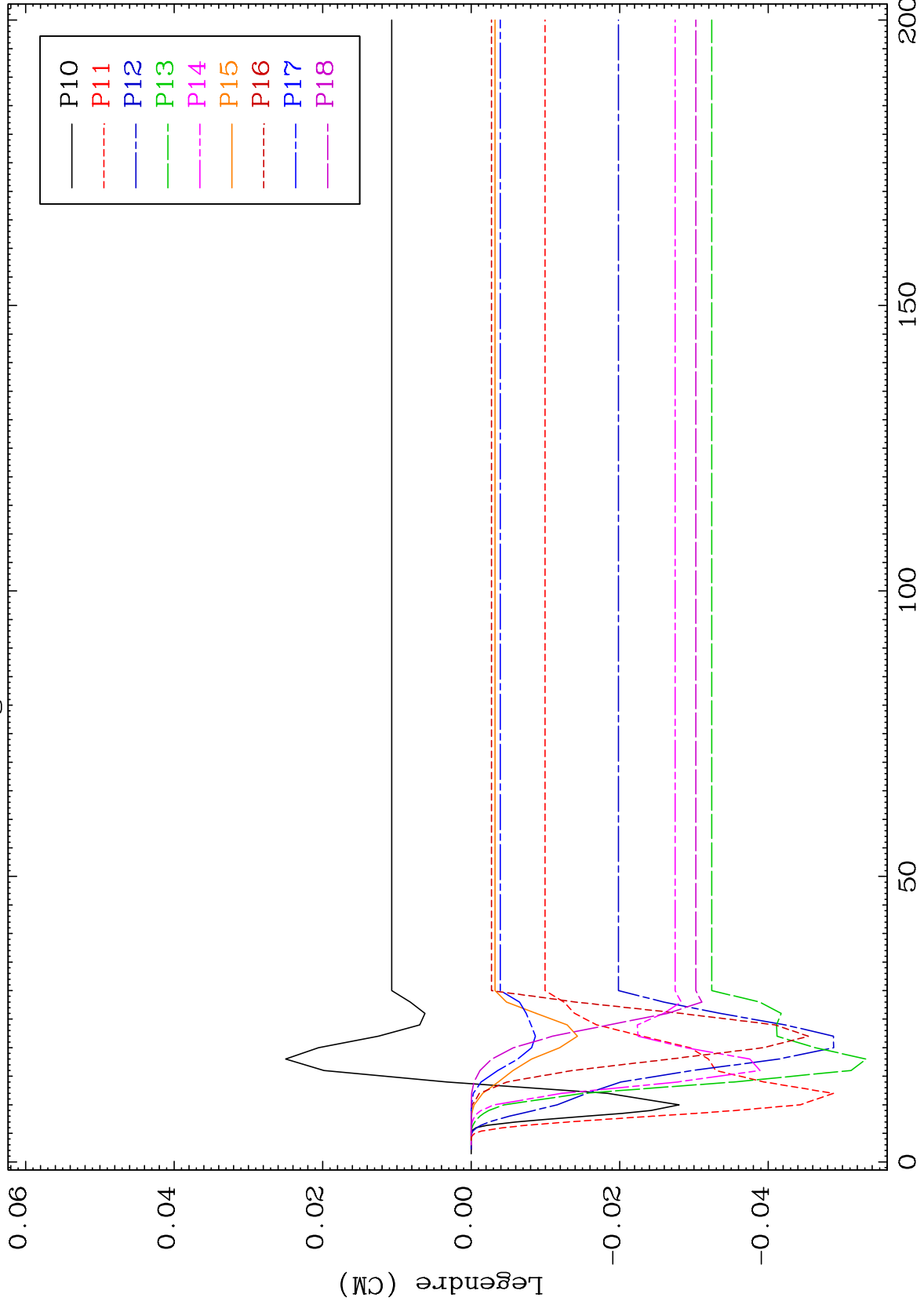


84 61-Pm-153

MAT 6167

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

61-Pm-153



85

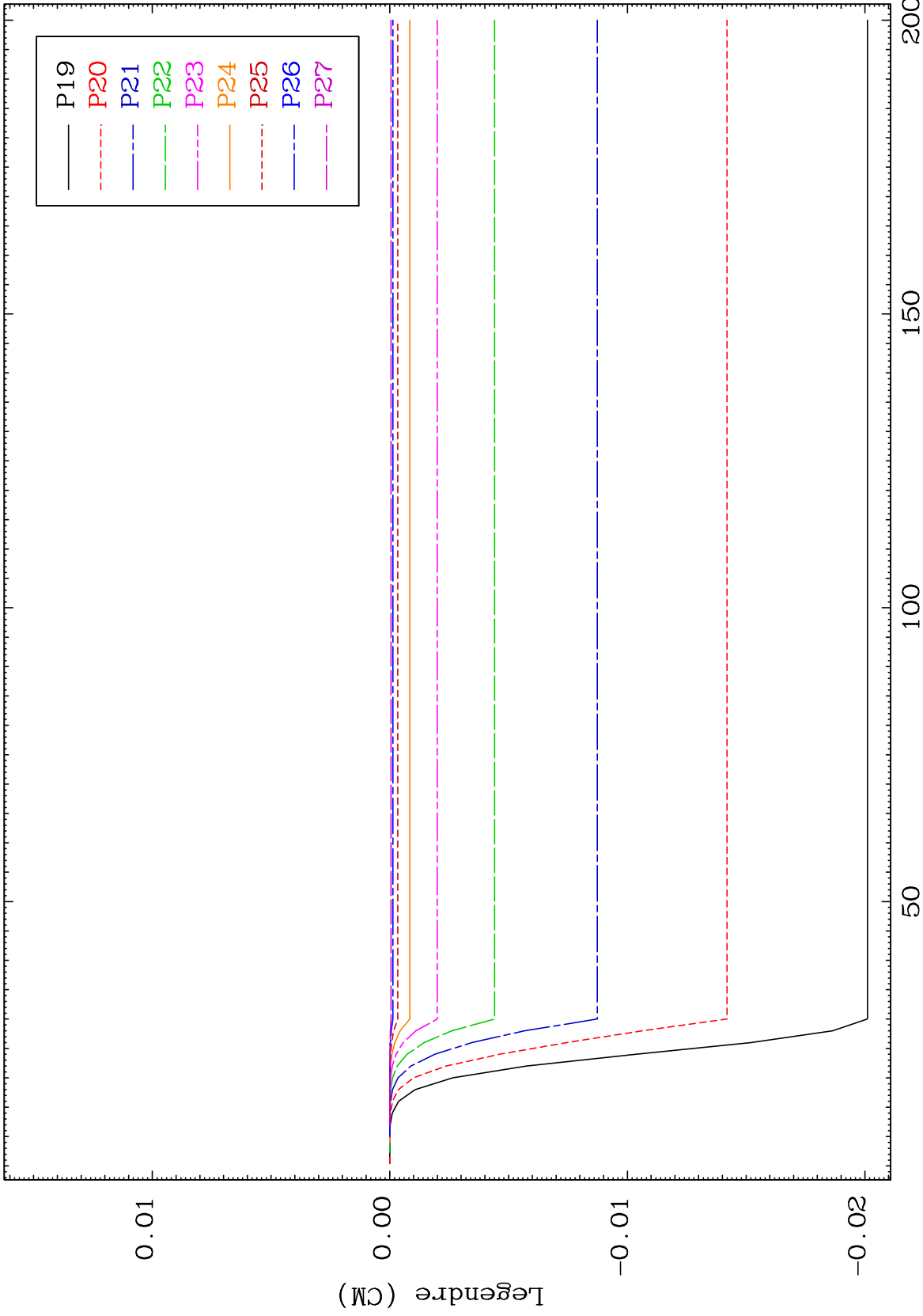
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



86

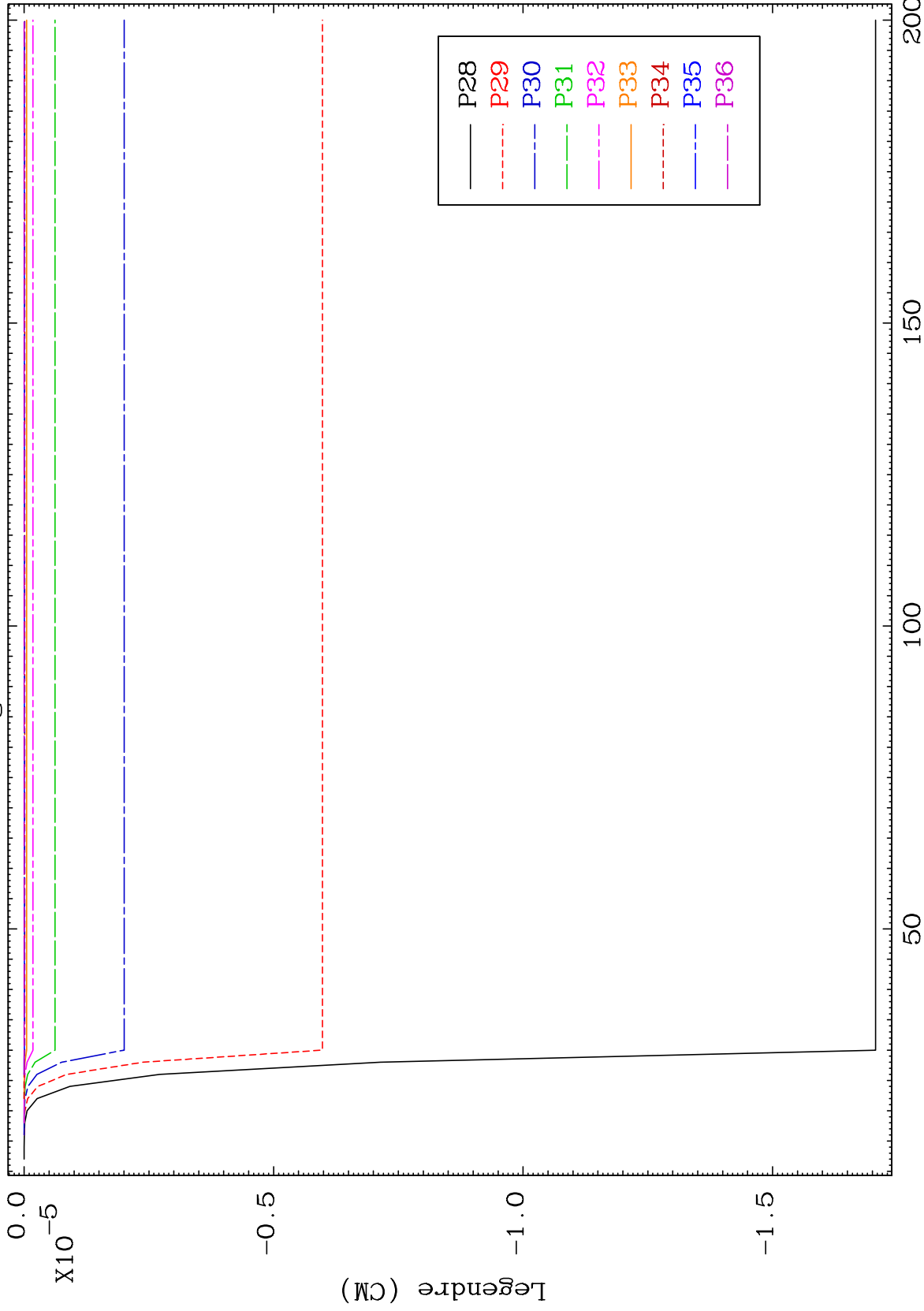
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



87

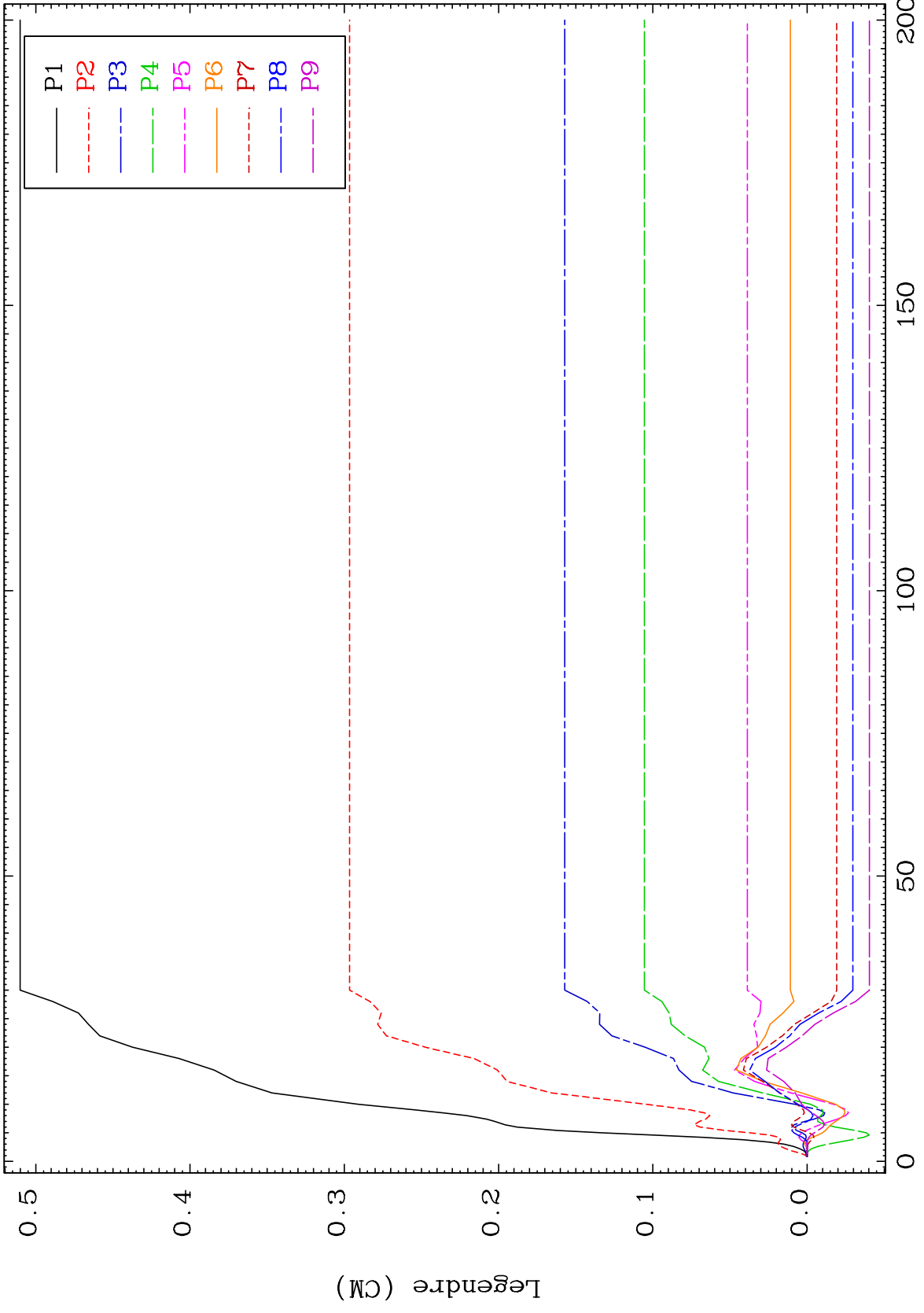
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



88

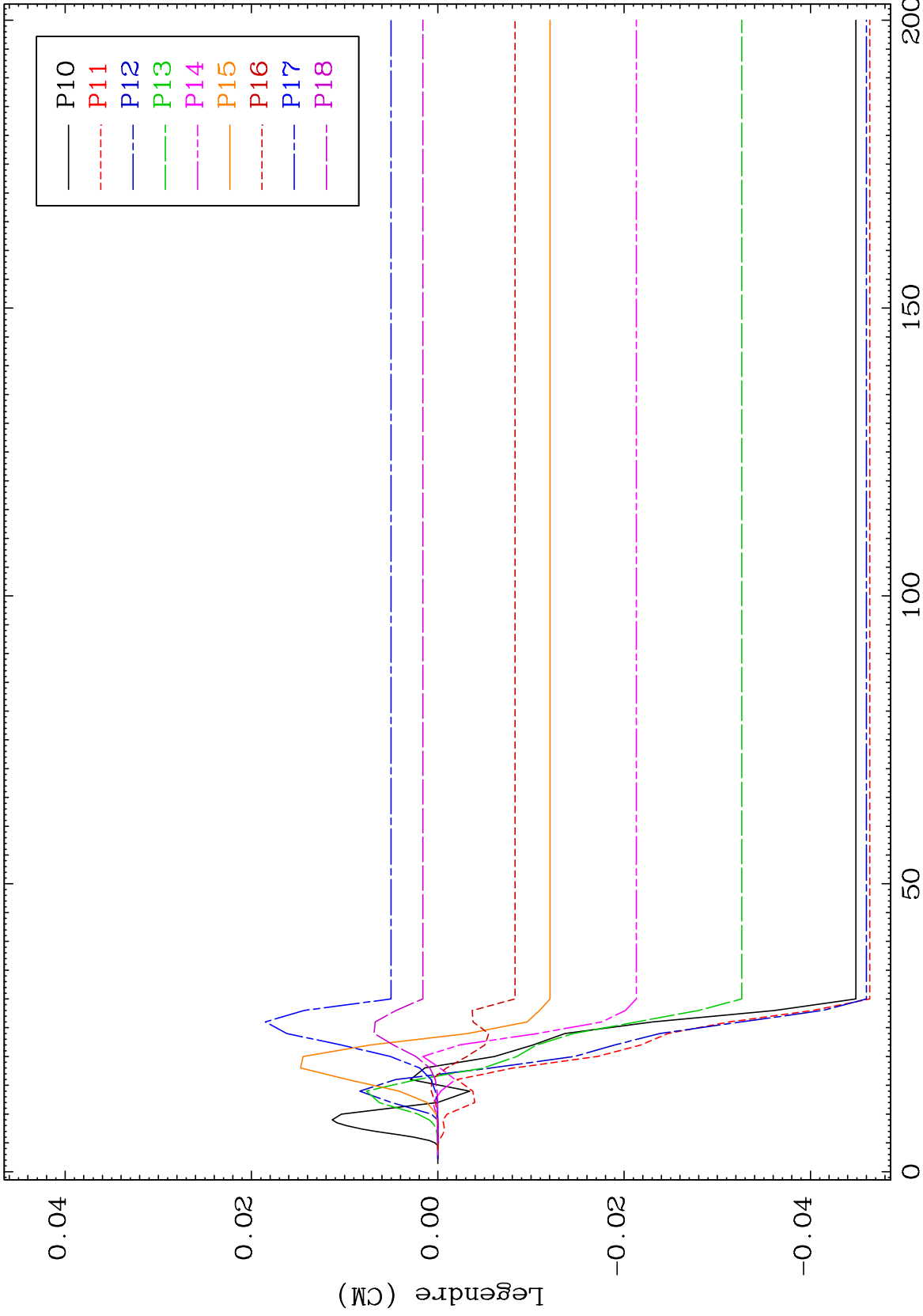
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



89

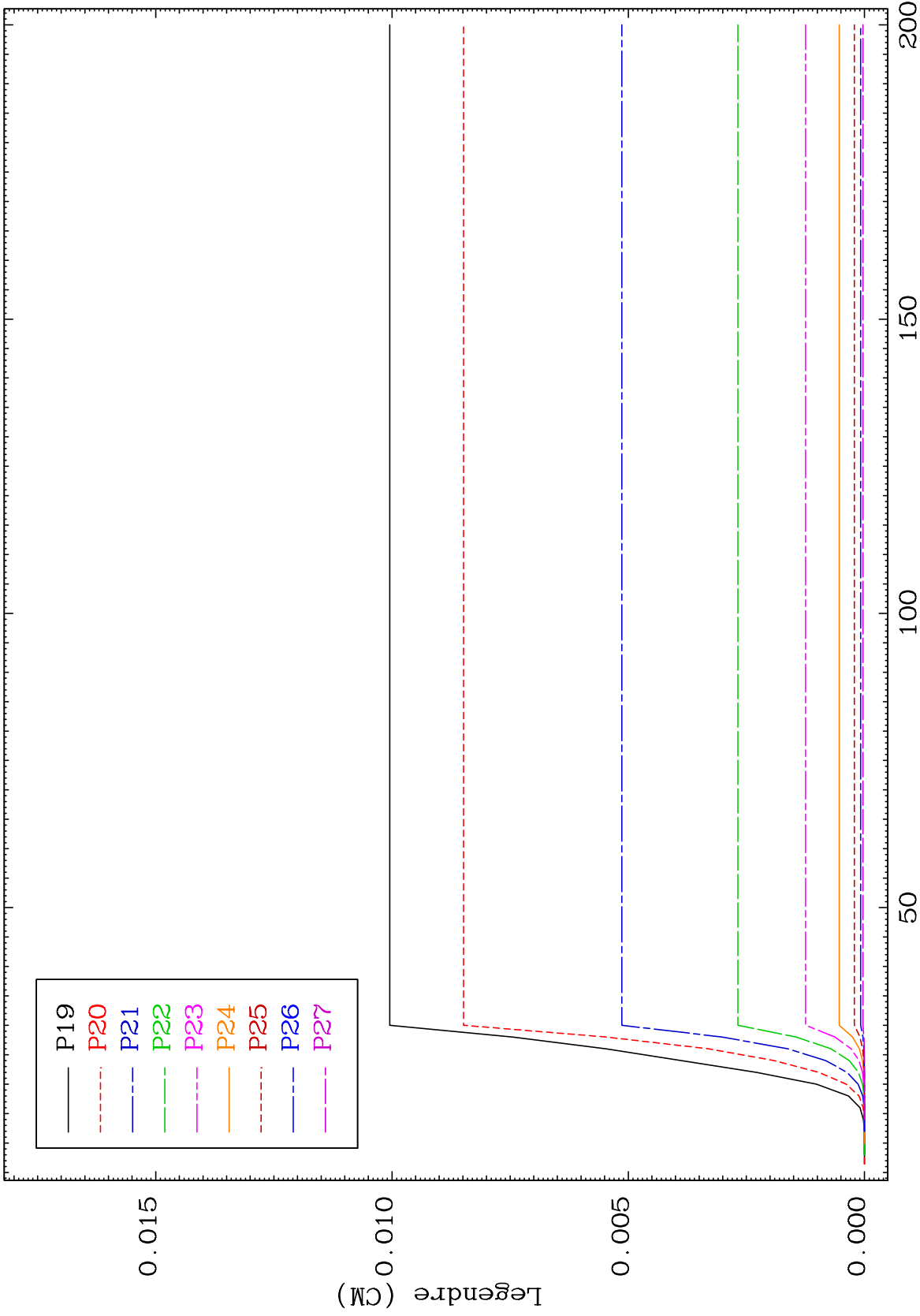
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



90

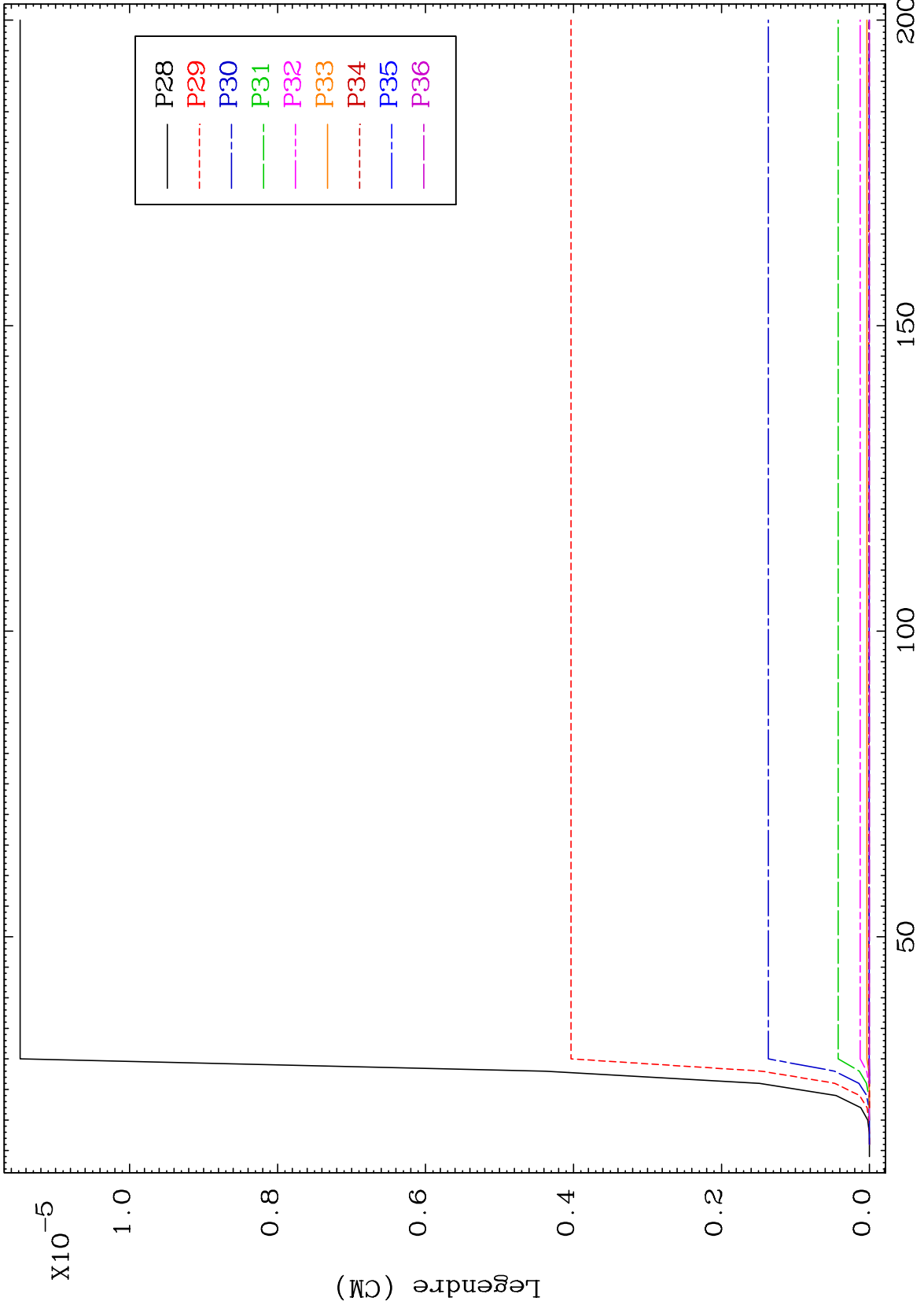
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



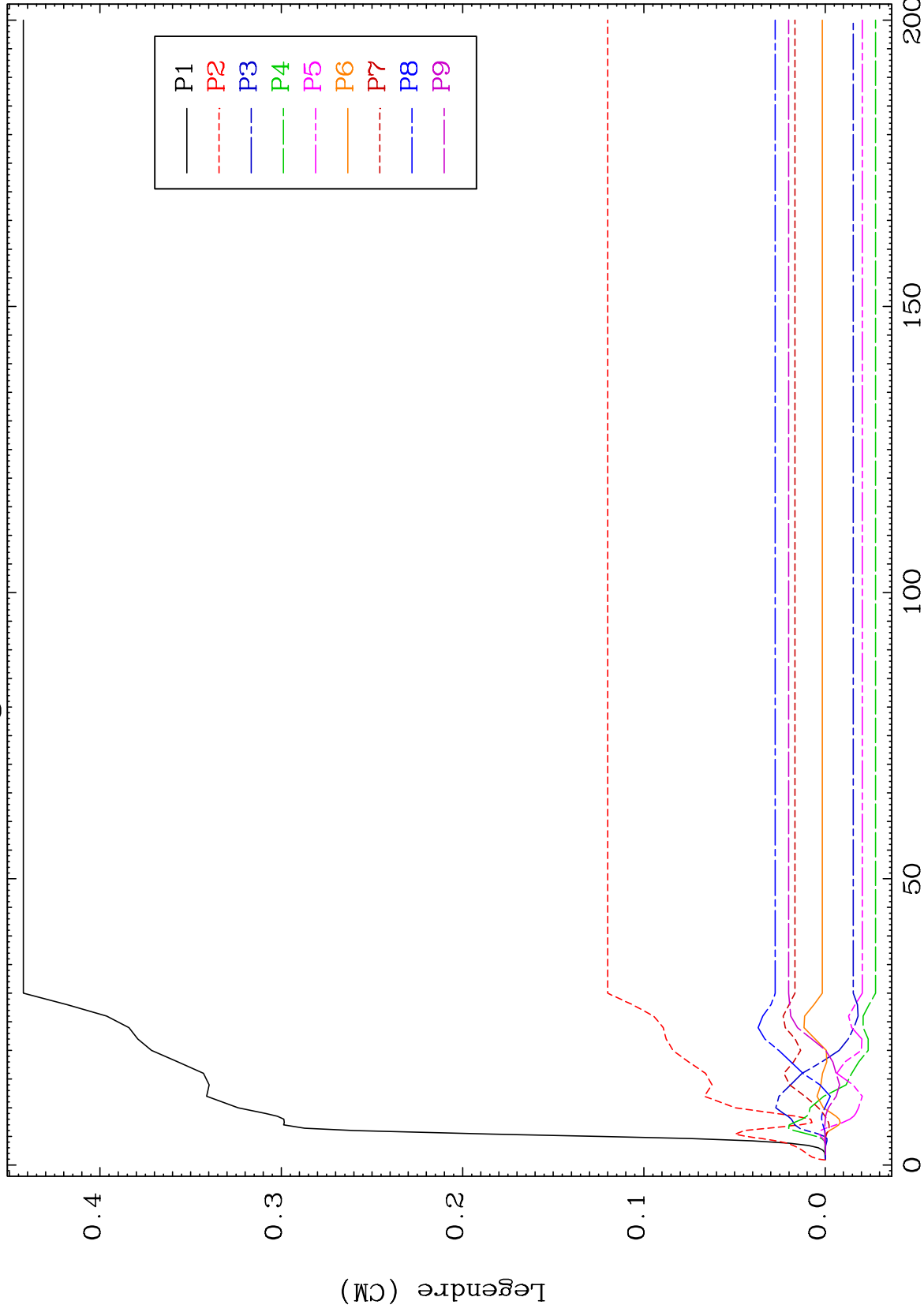
91

61-Pm-153

MAT 6167

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

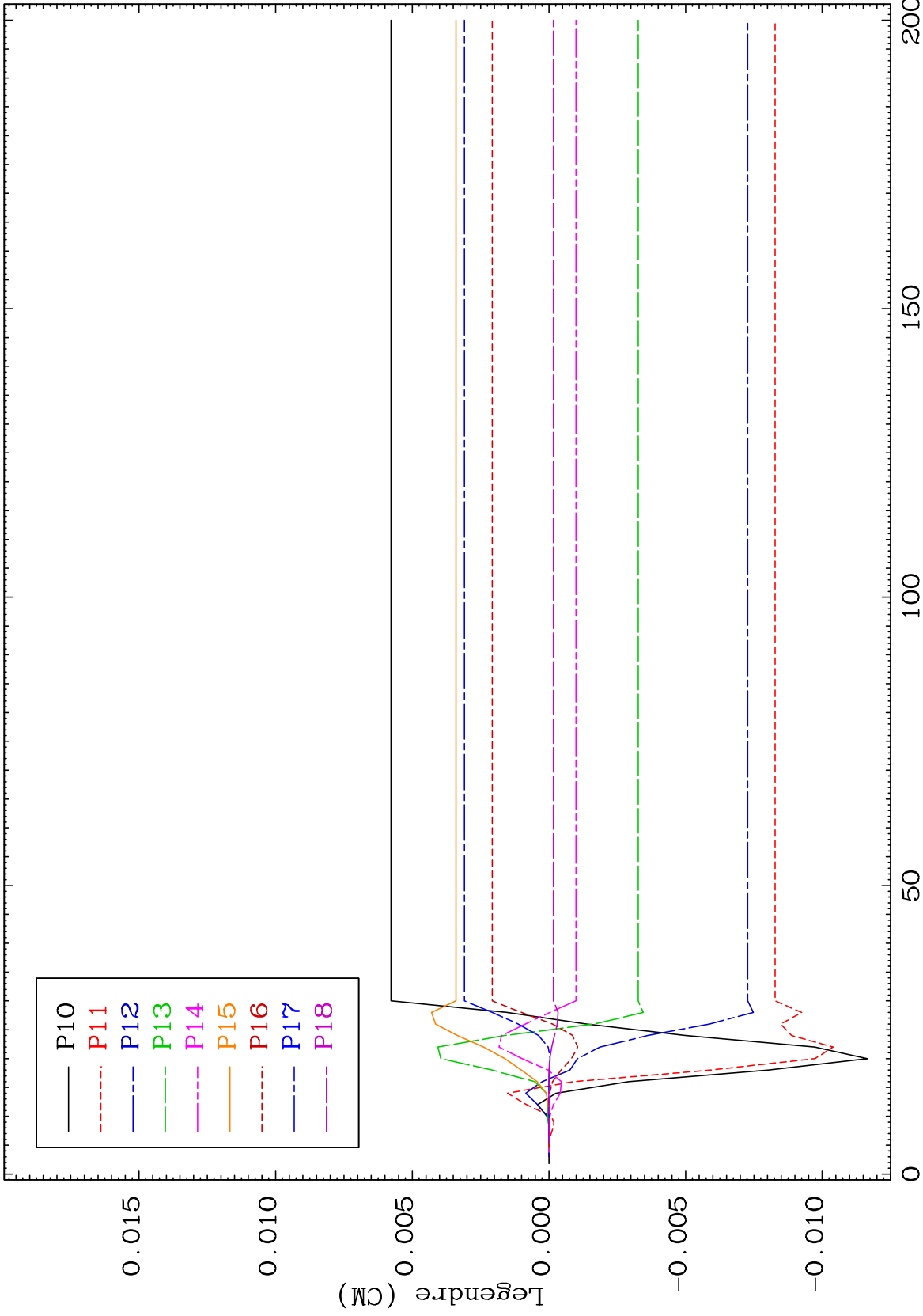
61-Pm-153

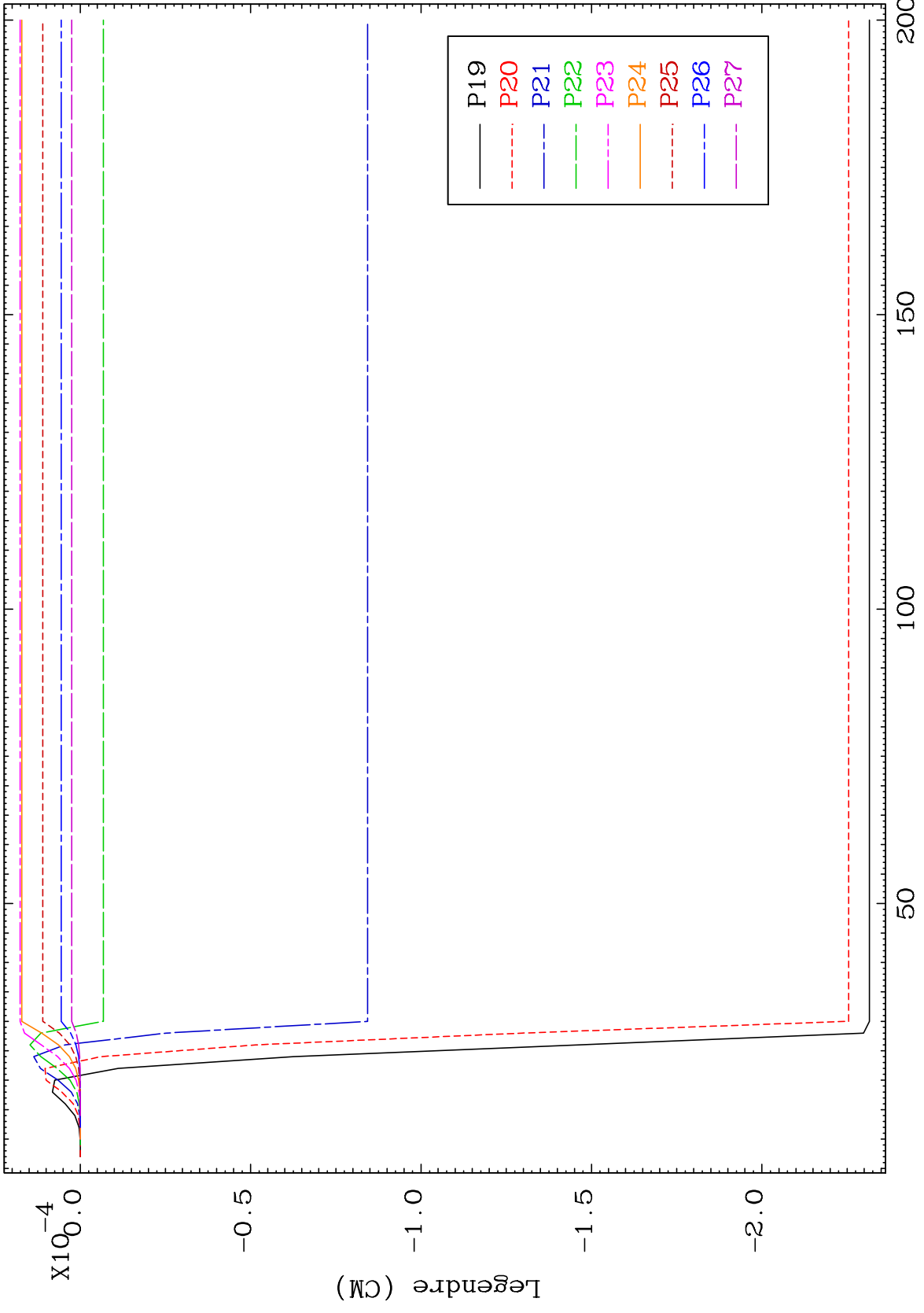


92

Incident Energy (MeV)

61-Pm-153

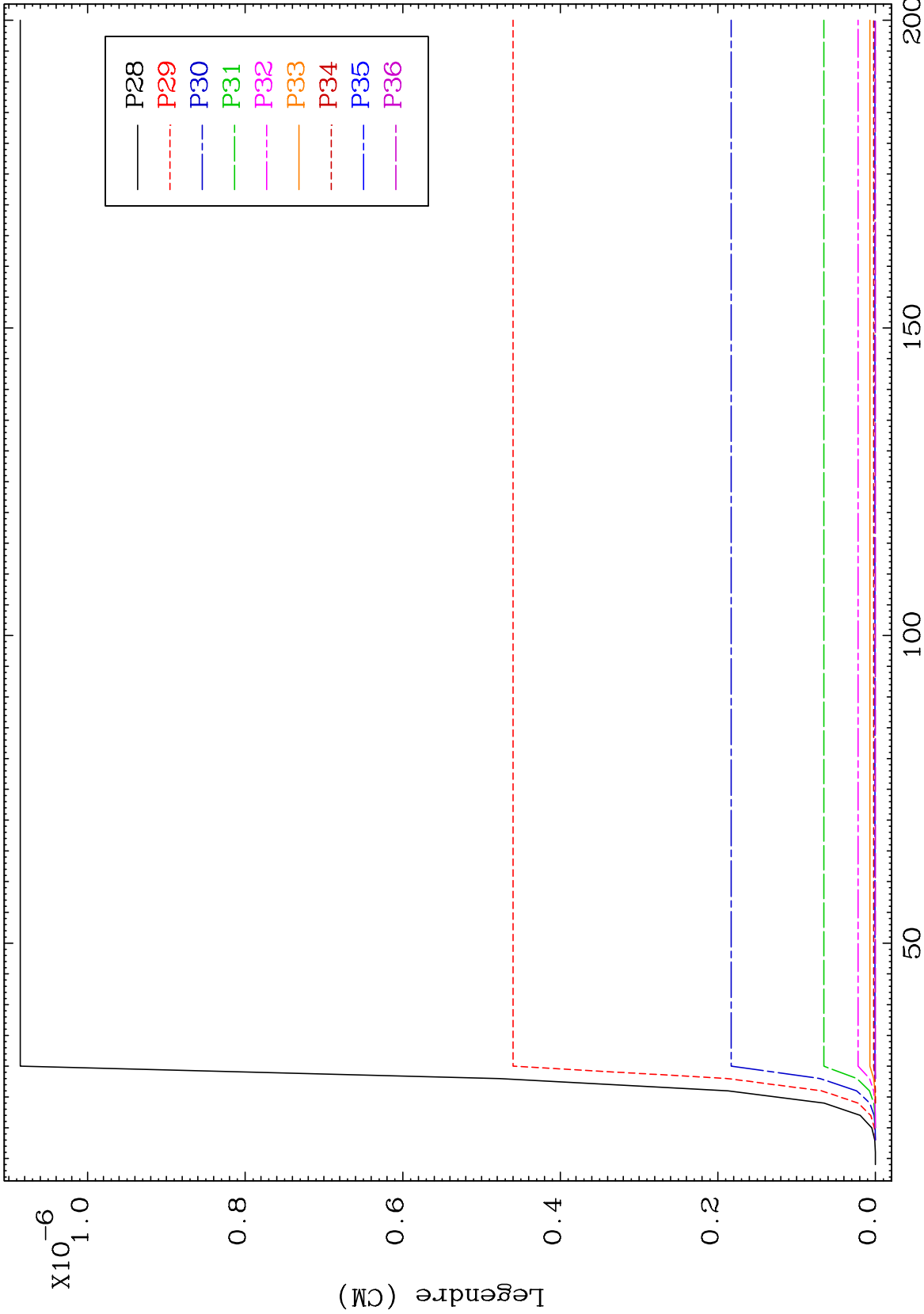




MAT 6167

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

61-Pm-153



95

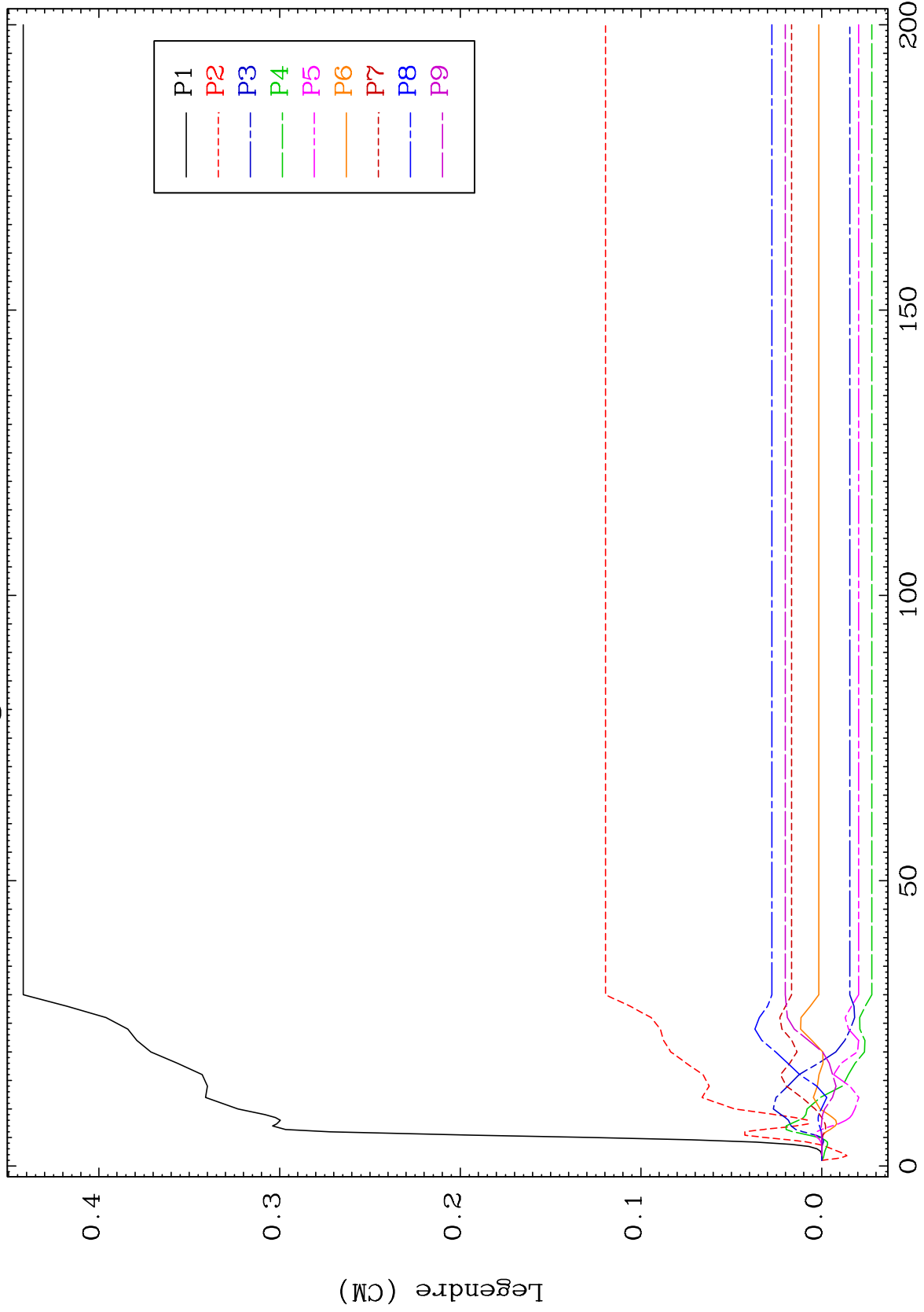
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

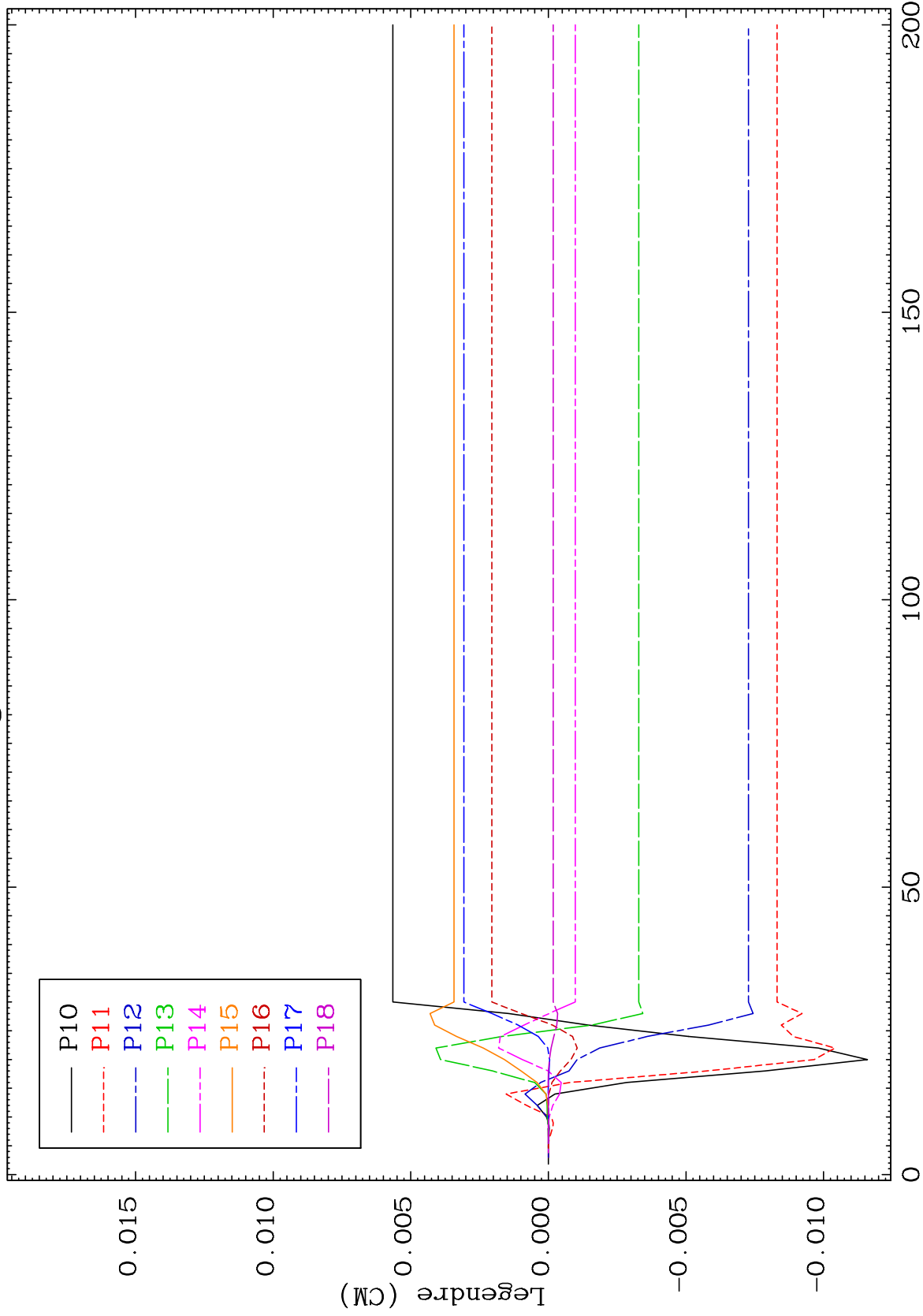
61-Pm-153



96

Incident Energy (MeV)

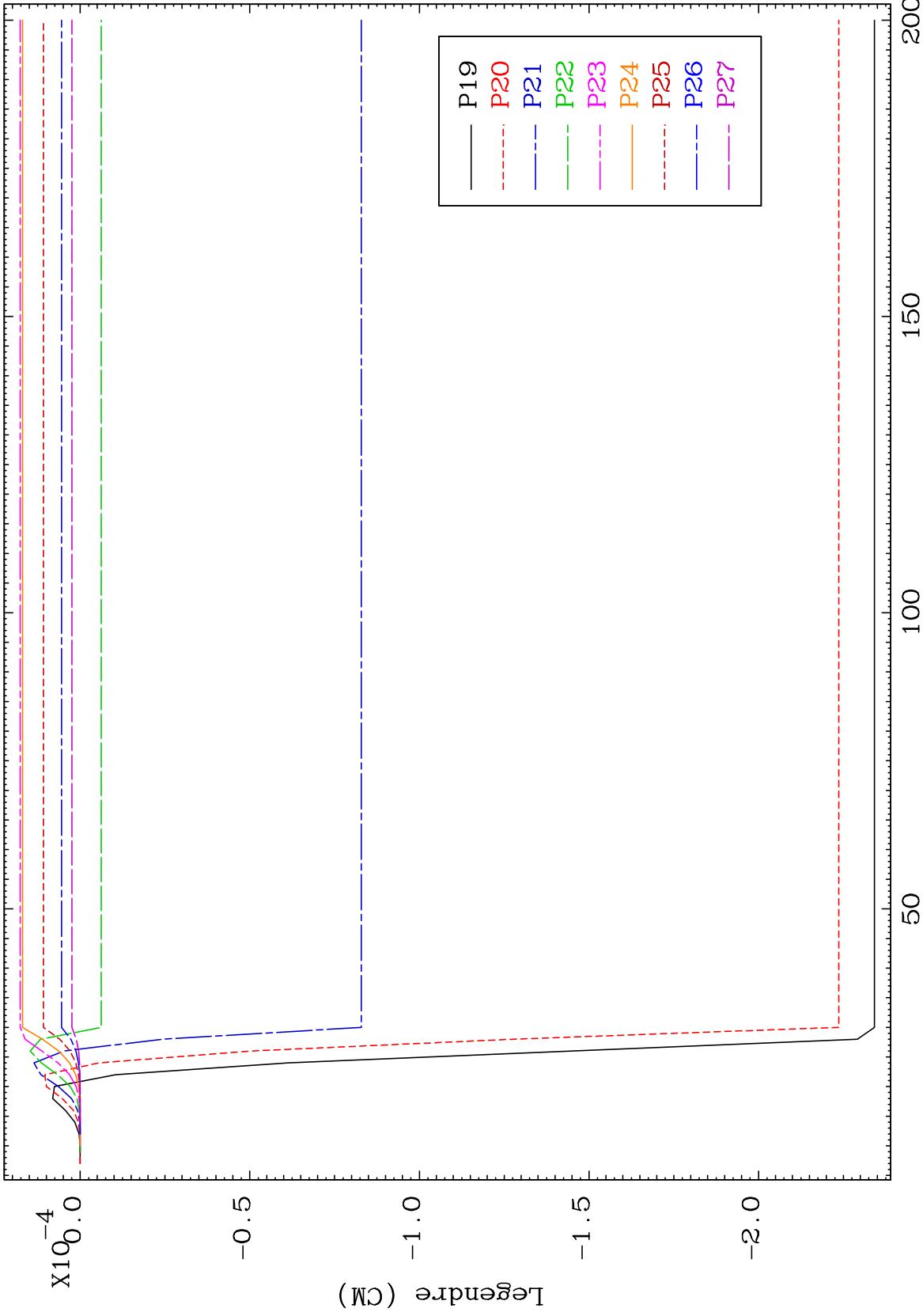
61-Pm-153



MAT 6167

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

61-Pm-153



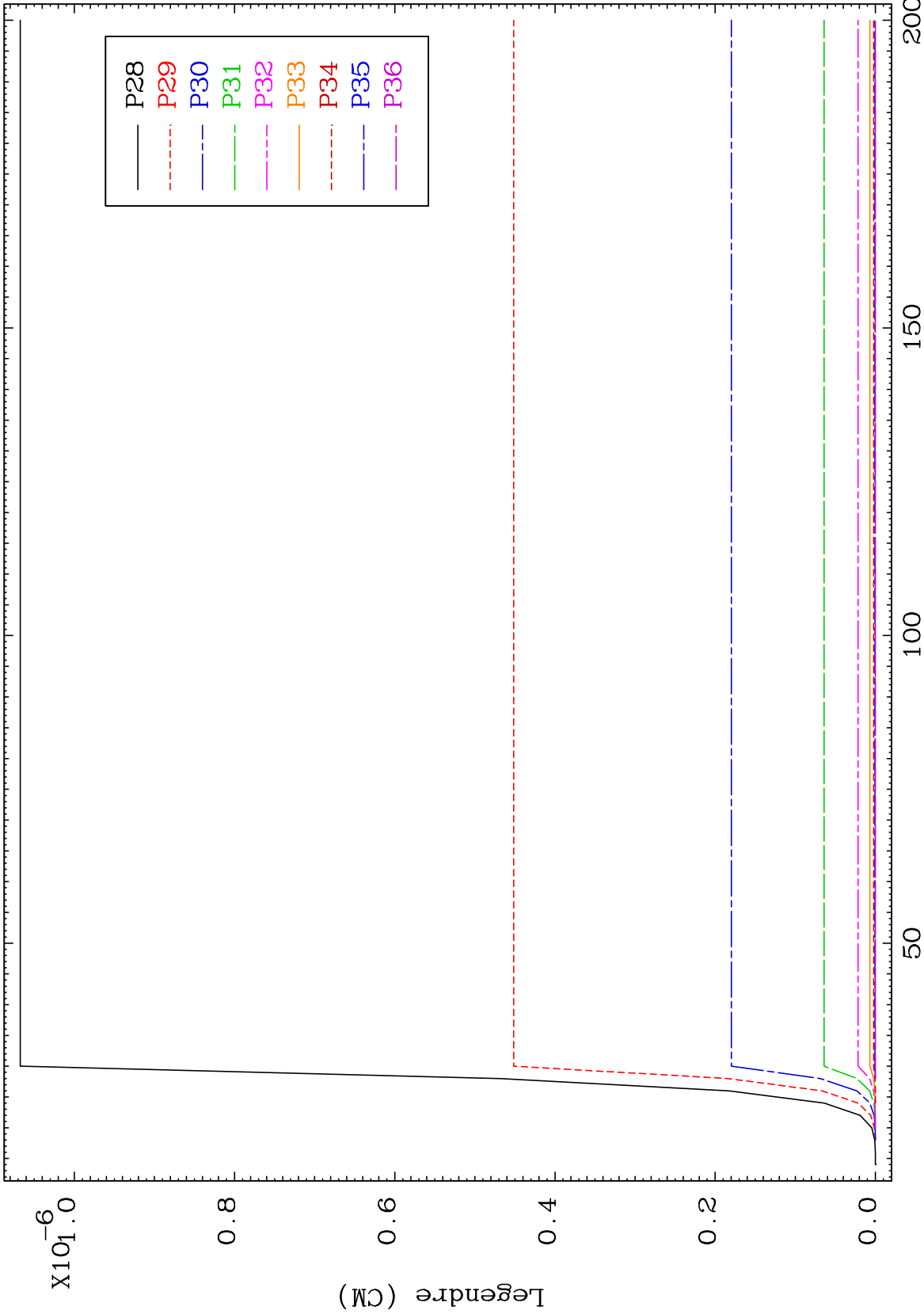
98

61-Pm-153

MAT 6167

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

61-Pm-153



99

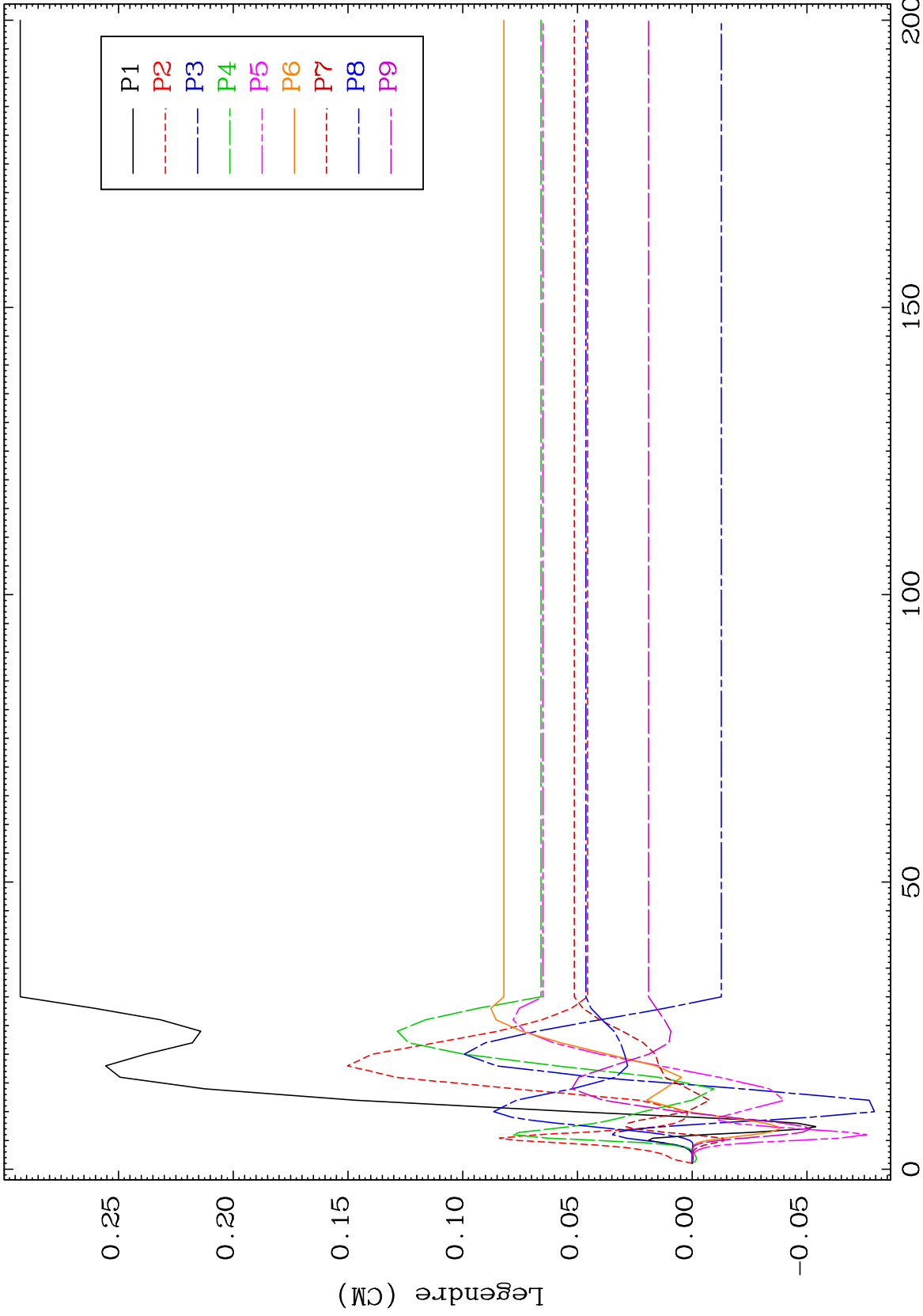
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



61-Pm-153

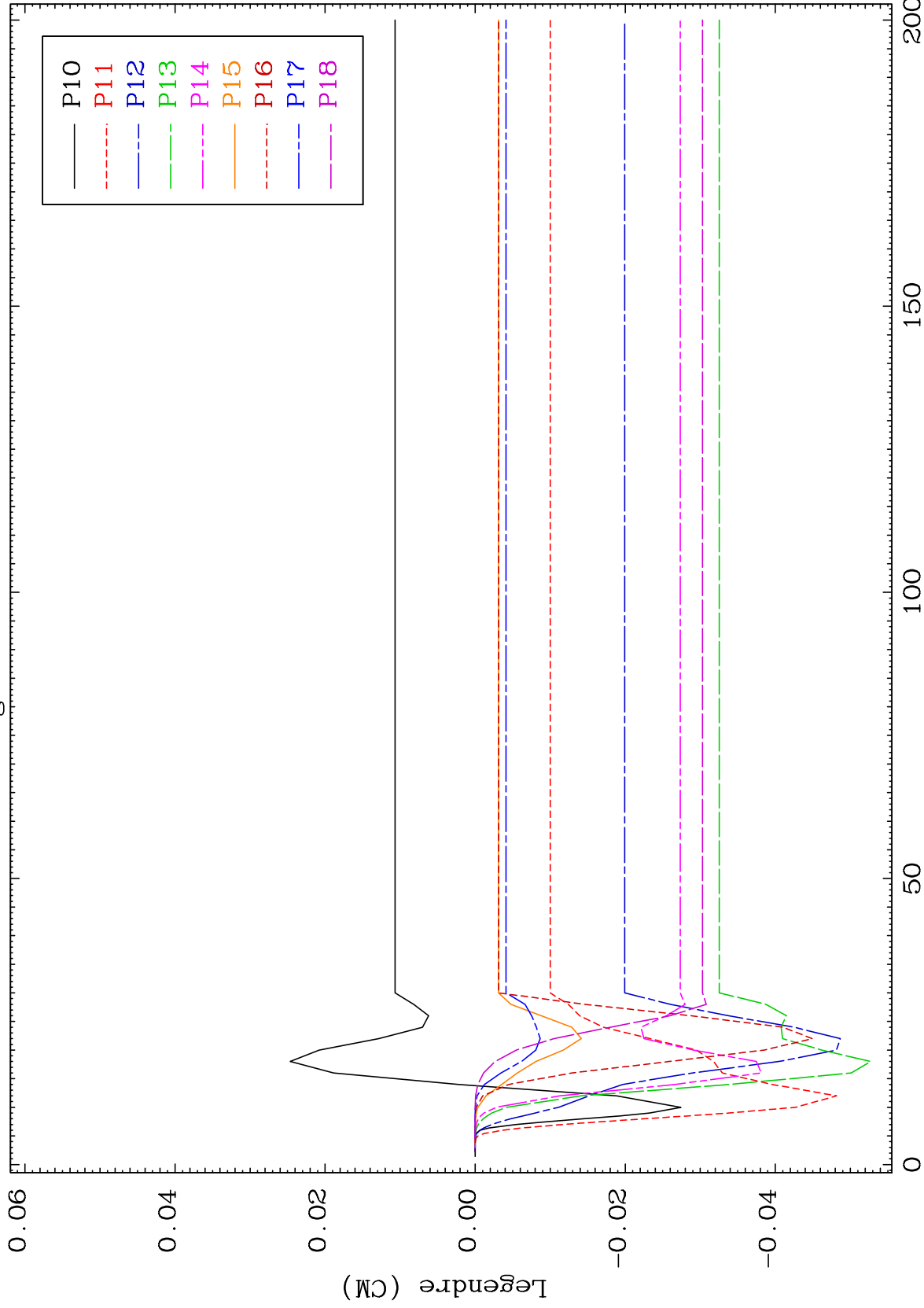
Incident Energy (MeV)

Legendre (CM)

MAT 6167

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

61-Pm-153



101

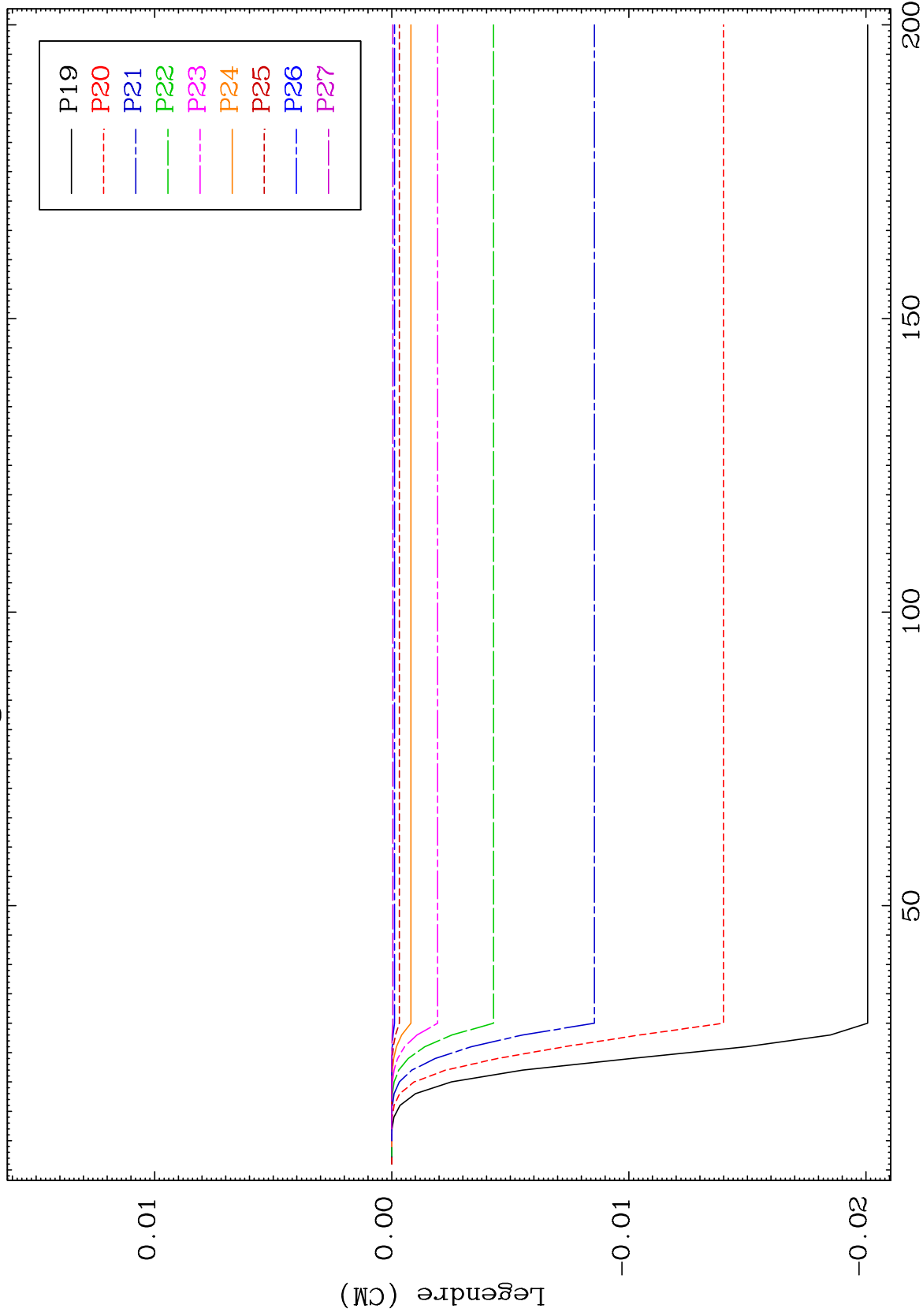
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



102

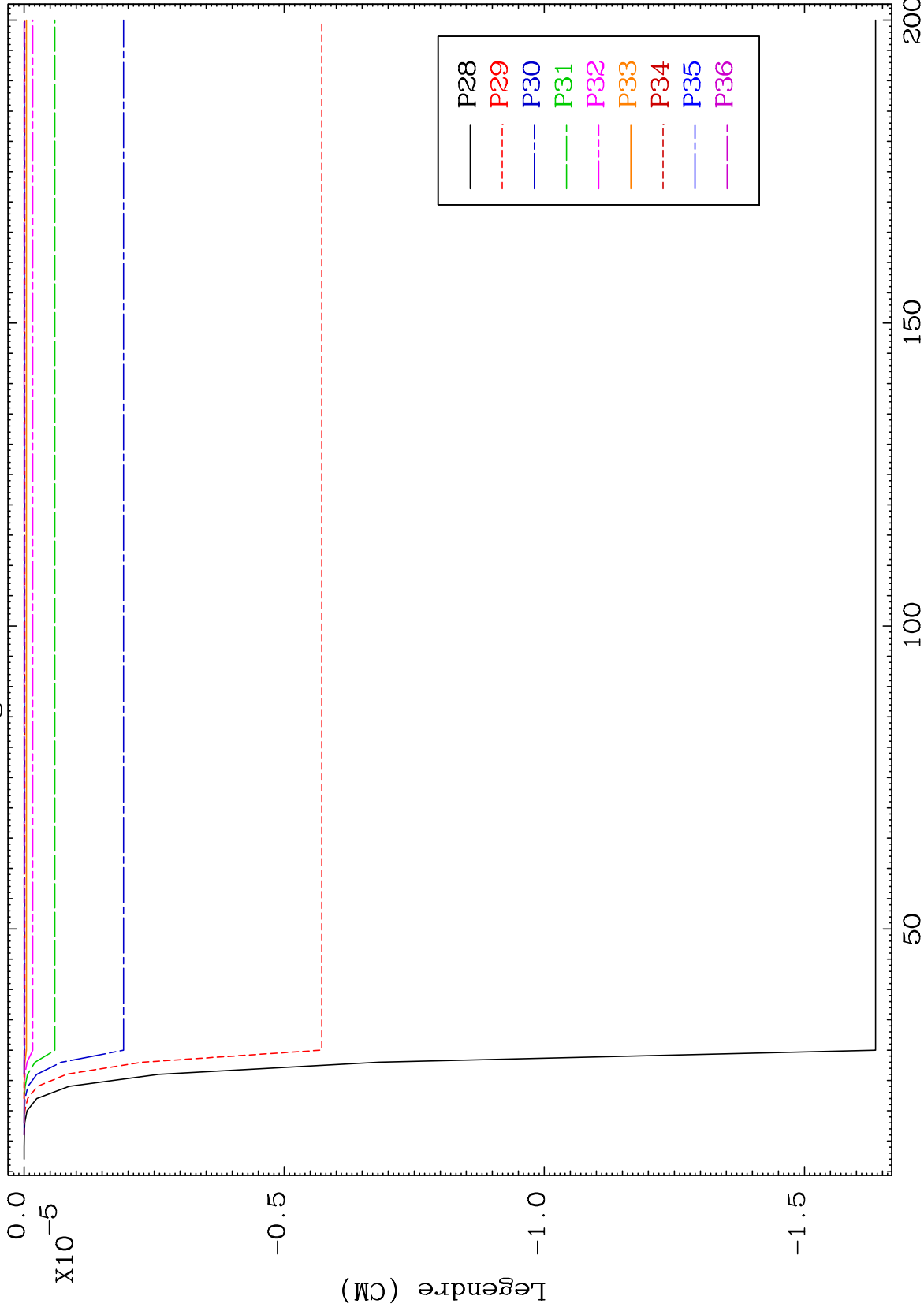
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



61-Pm-153

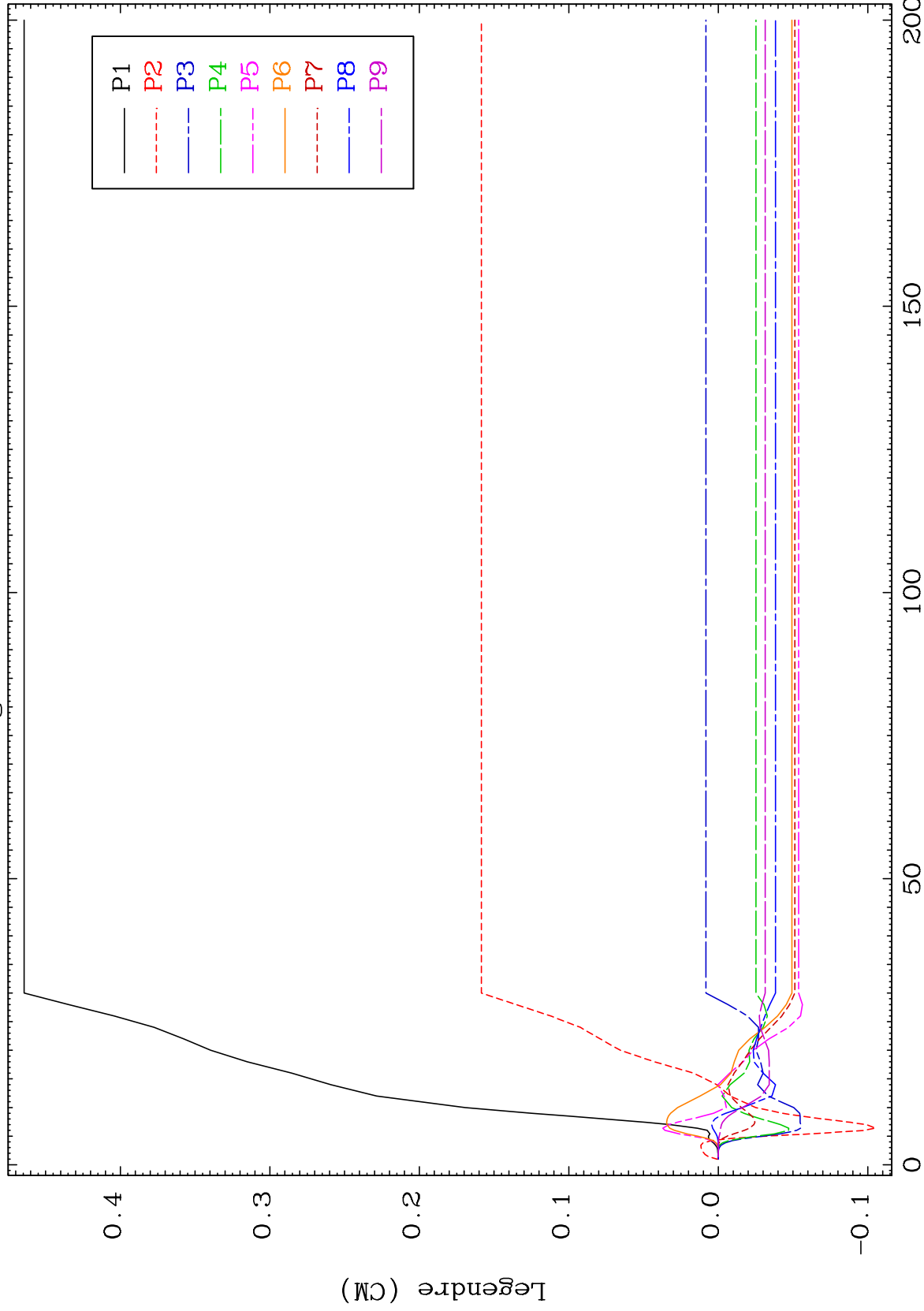
Incident Energy (MeV)

103

MAT 6167

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

61-Pm-153



61-Pm-153

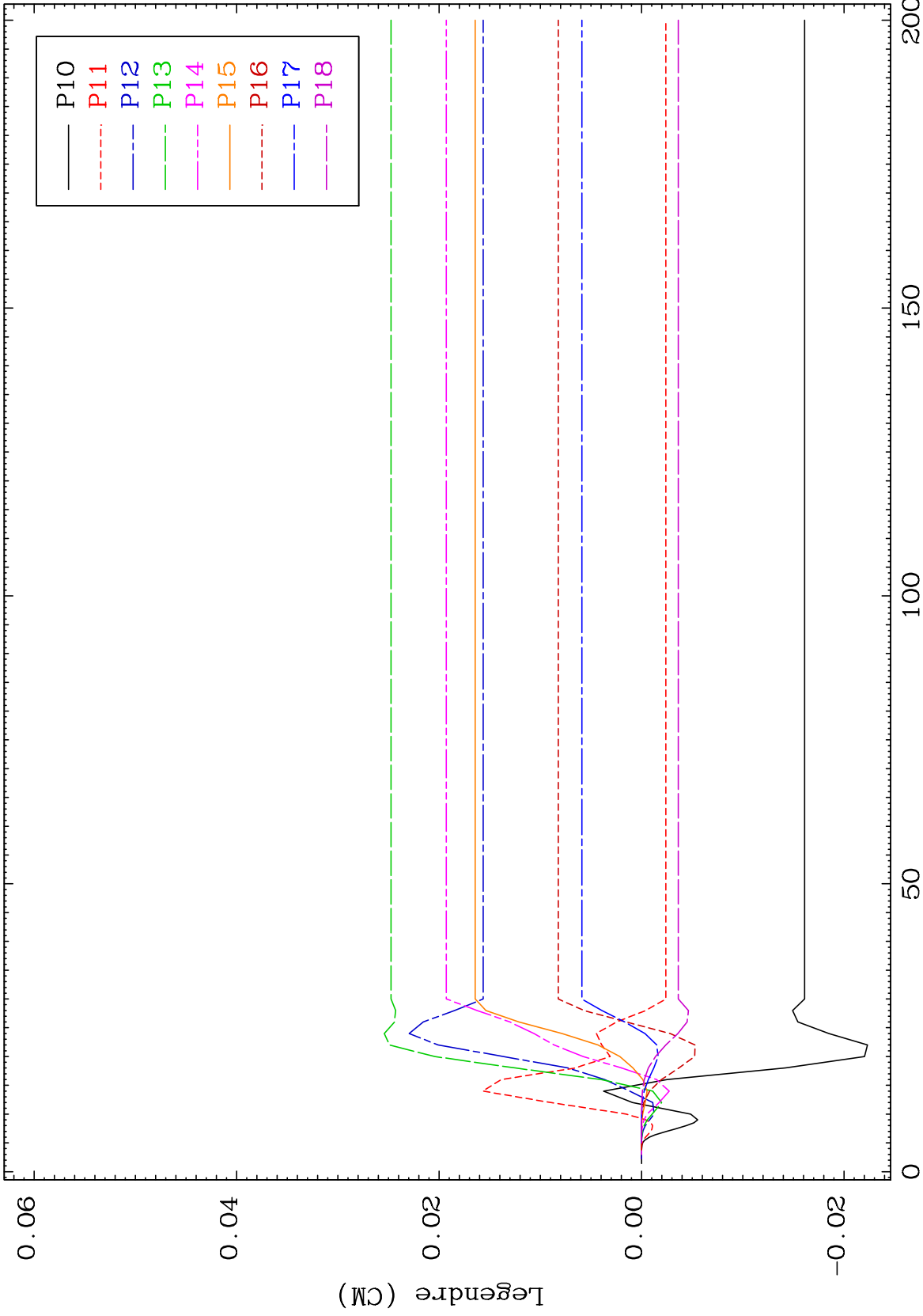
Incident Energy (MeV)

104

MAT 6167

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

61-Pm-153



105

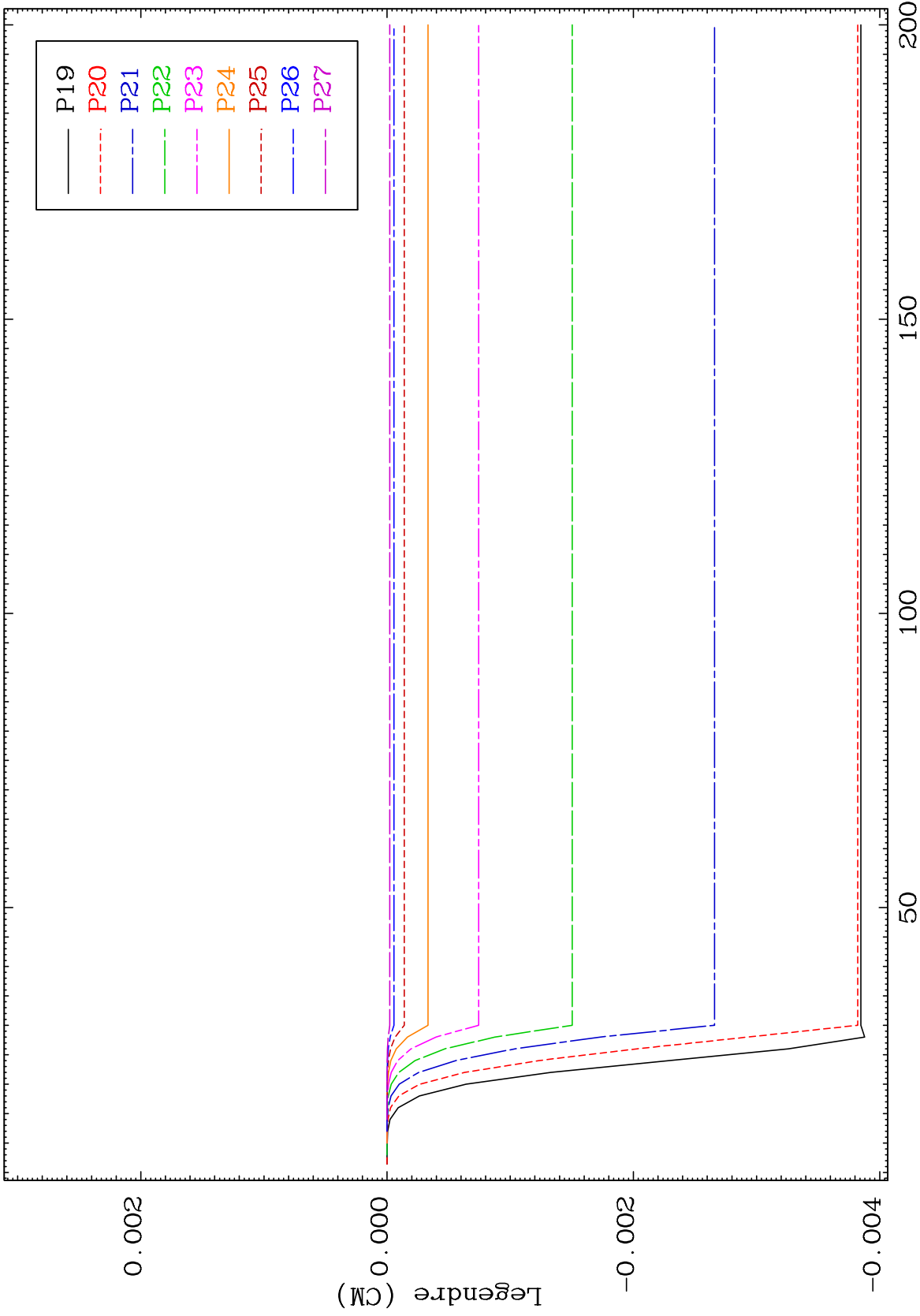
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



106

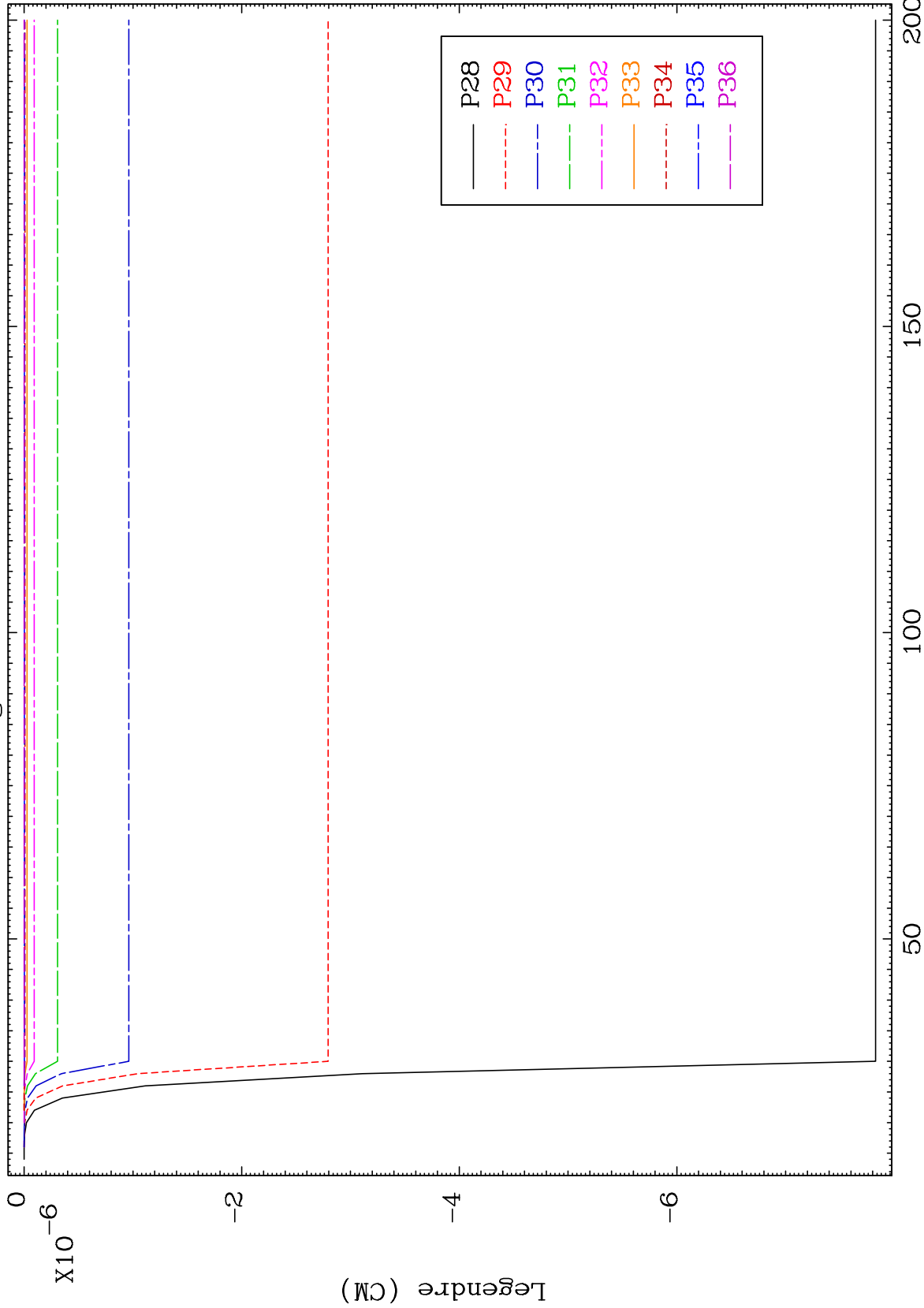
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



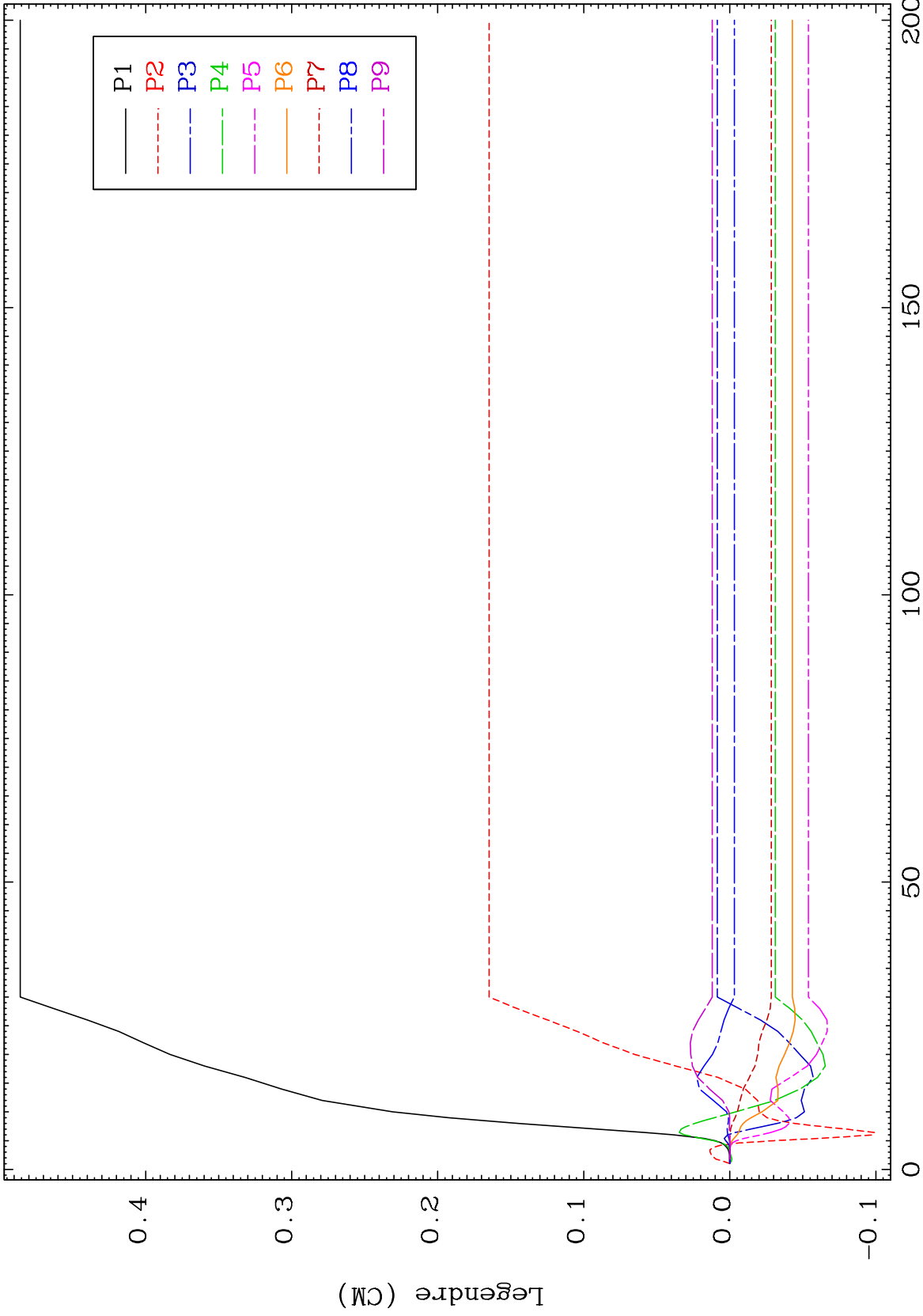
107

61-Pm-153

MAT 6167

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

61-Pm-153



108

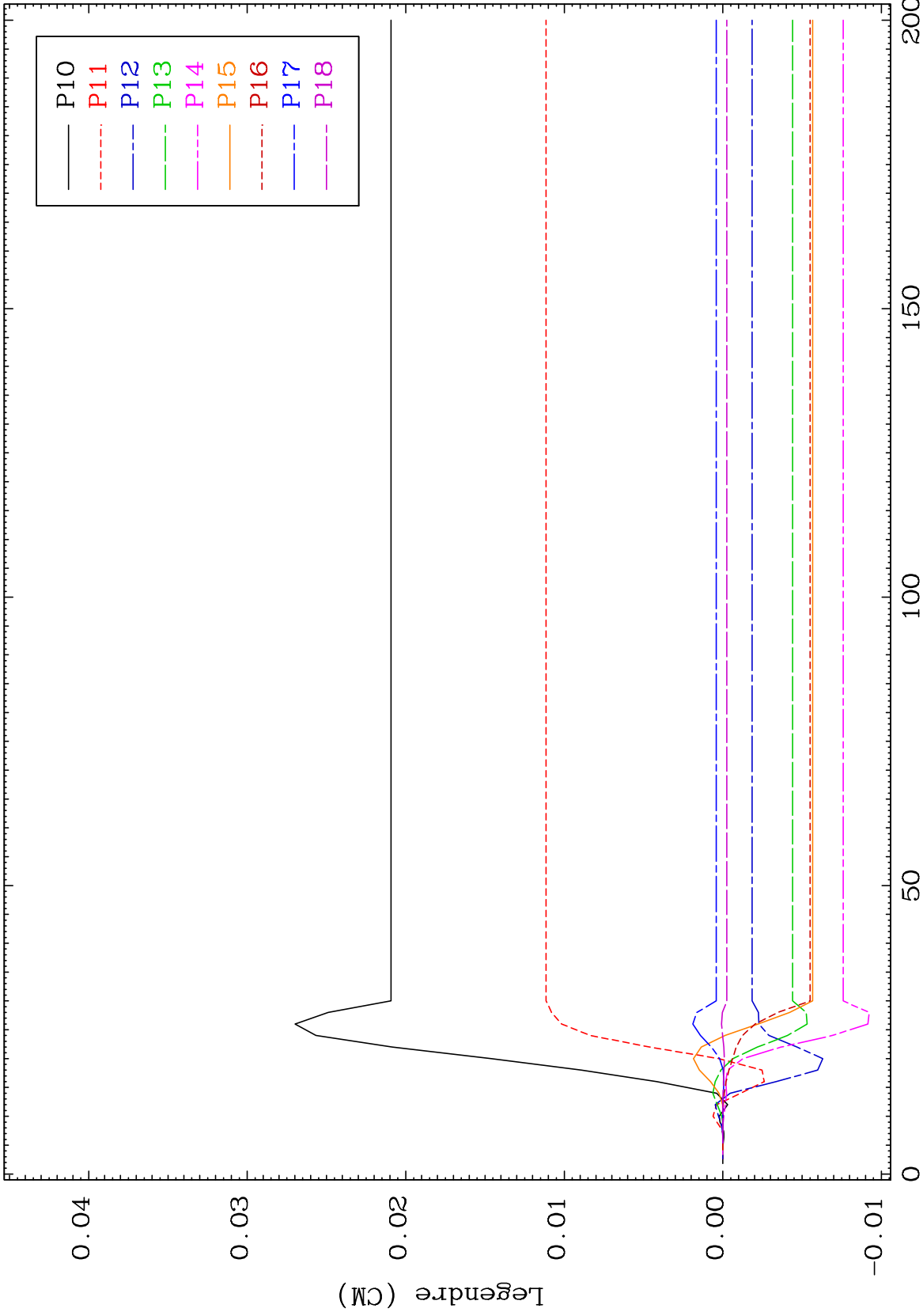
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



109

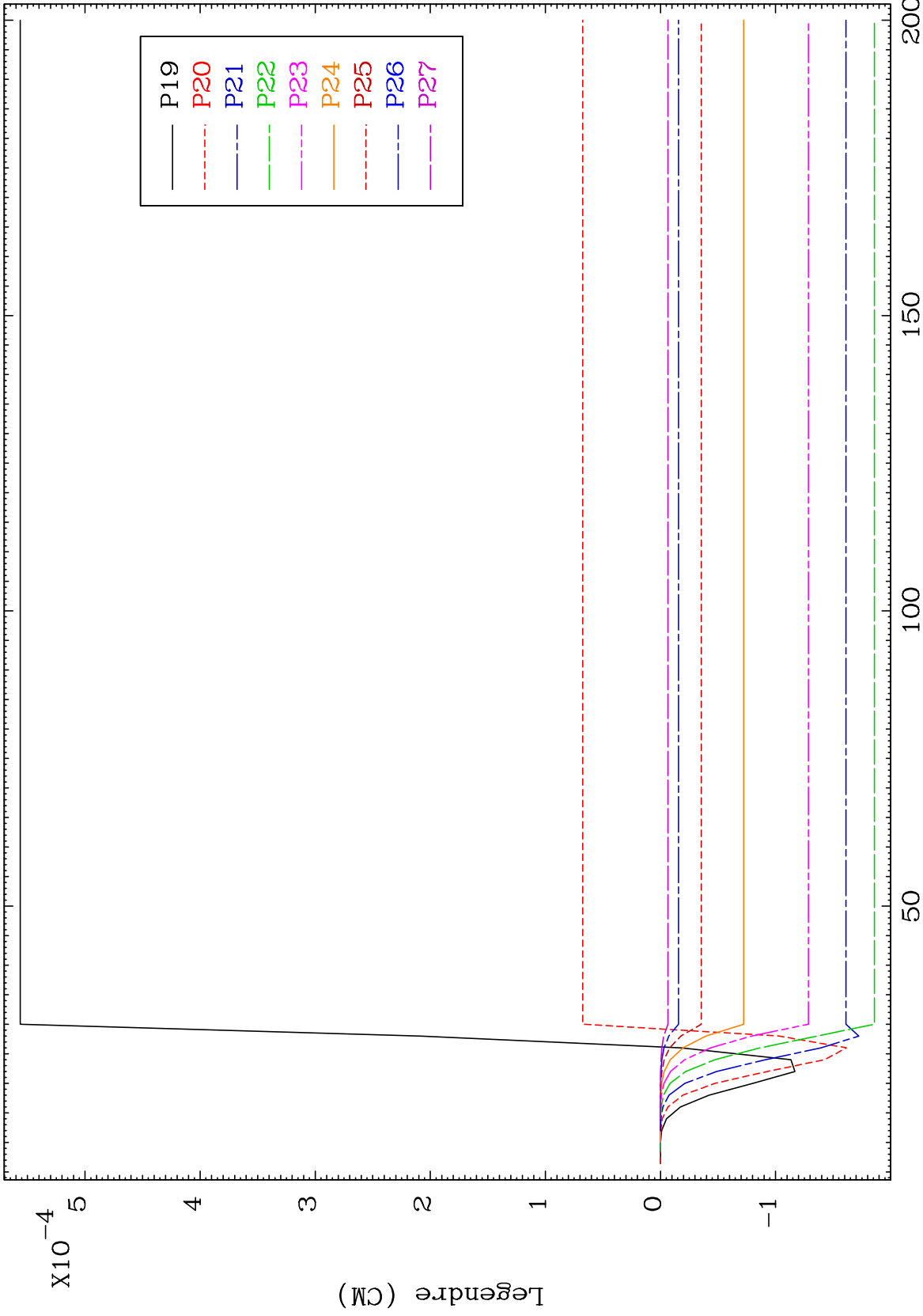
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



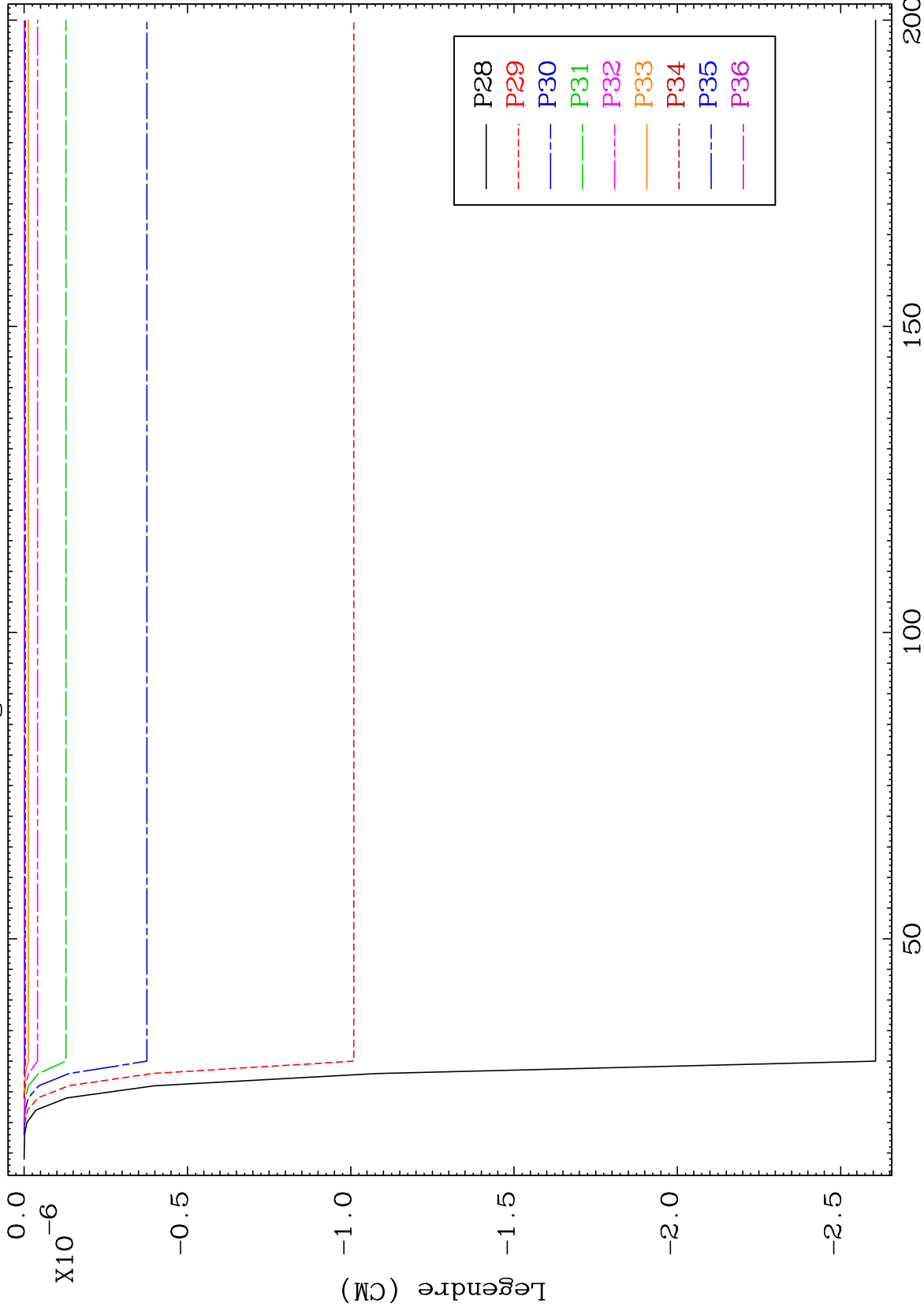
110

61-Pm-153

MAT 6167

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

61-Pm-153



111

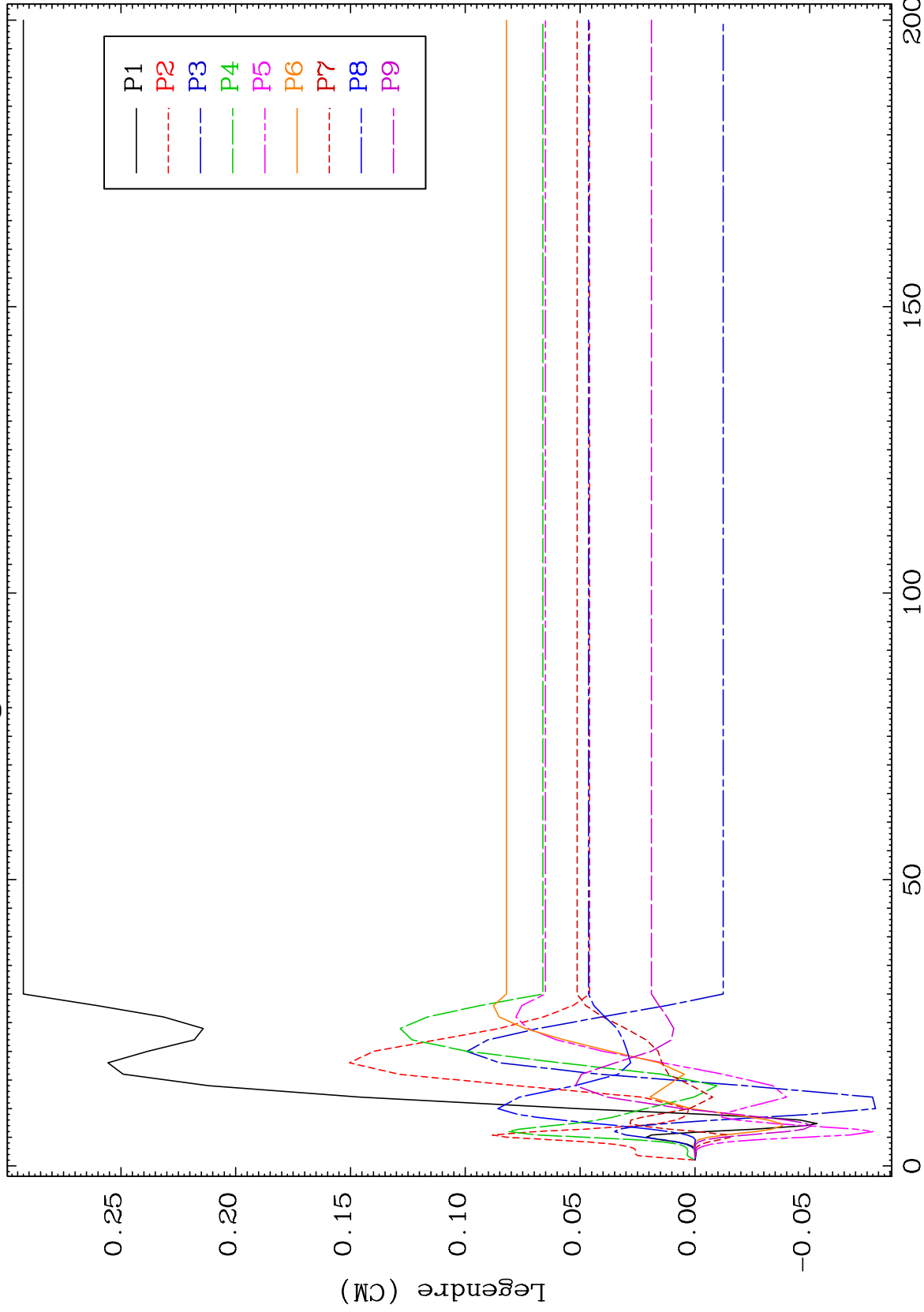
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



112

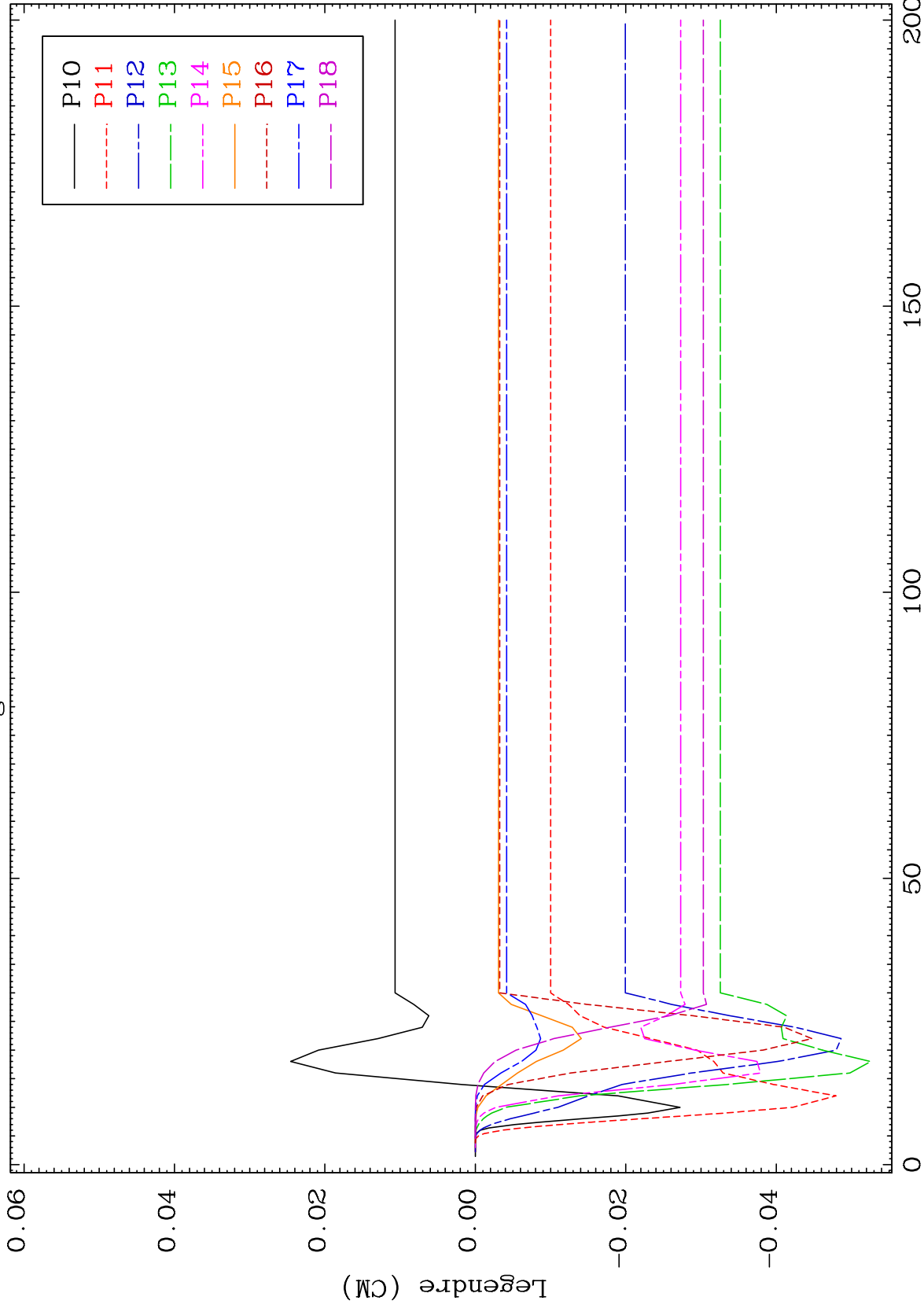
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



113

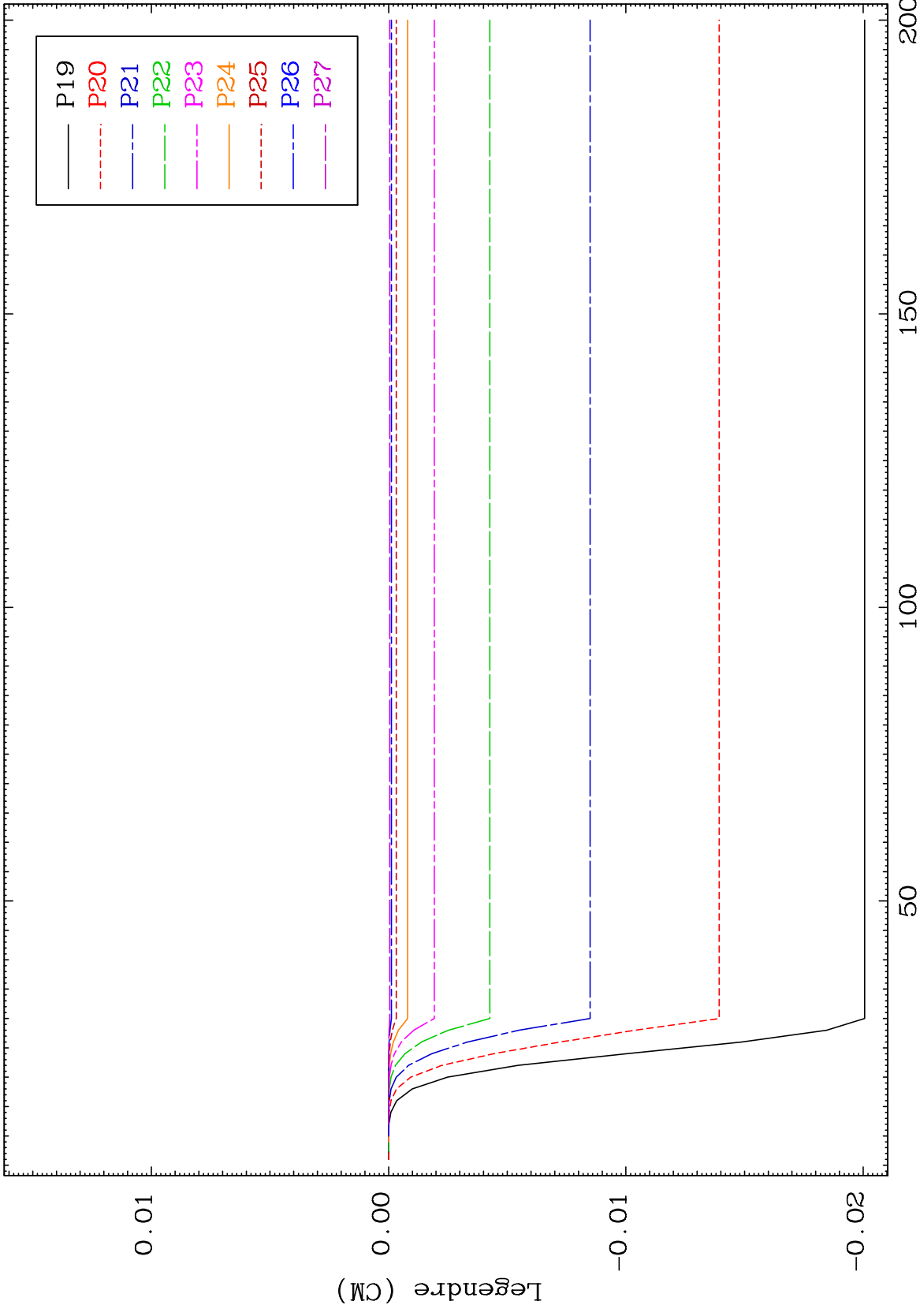
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



114

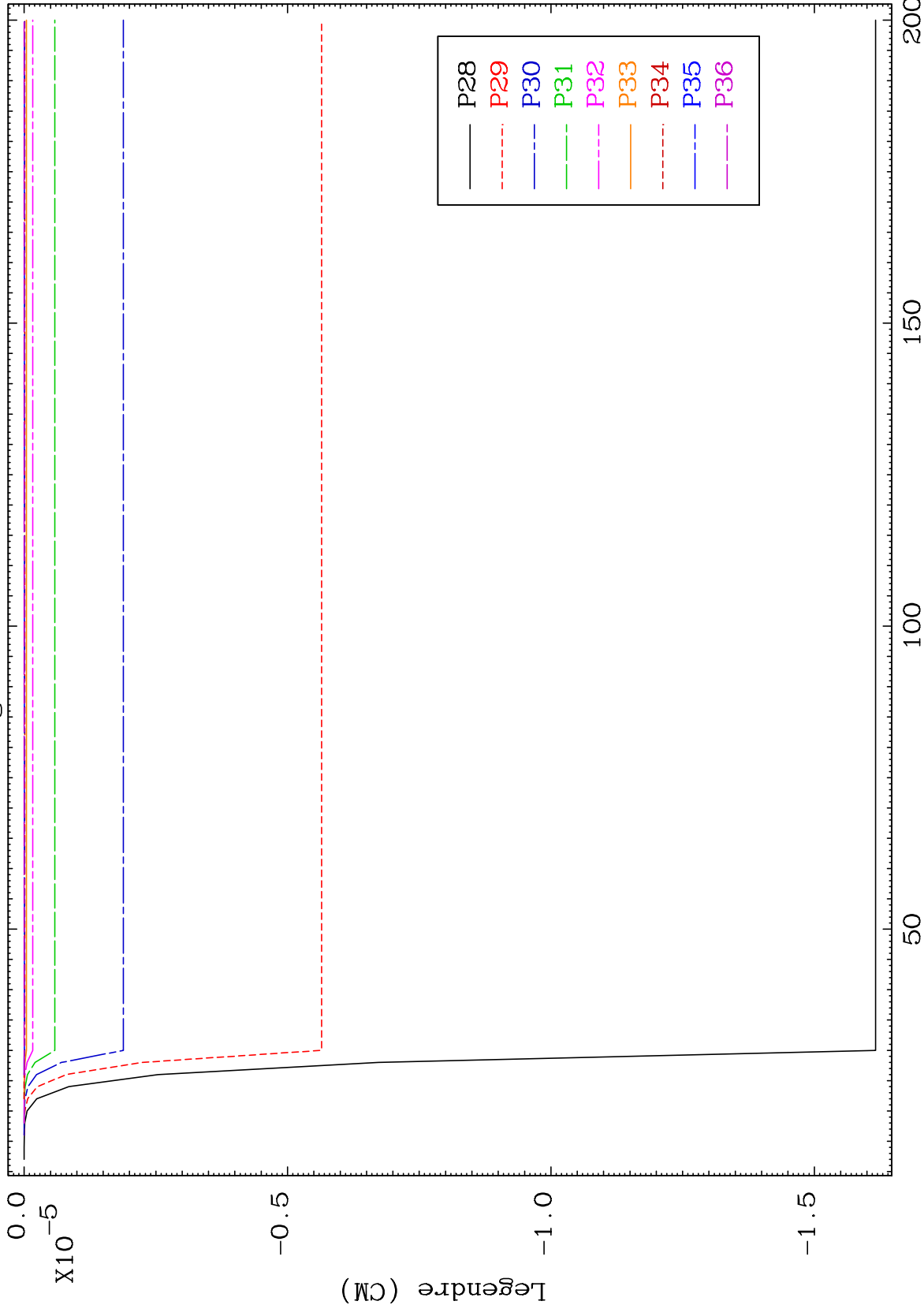
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



61-Pm-153

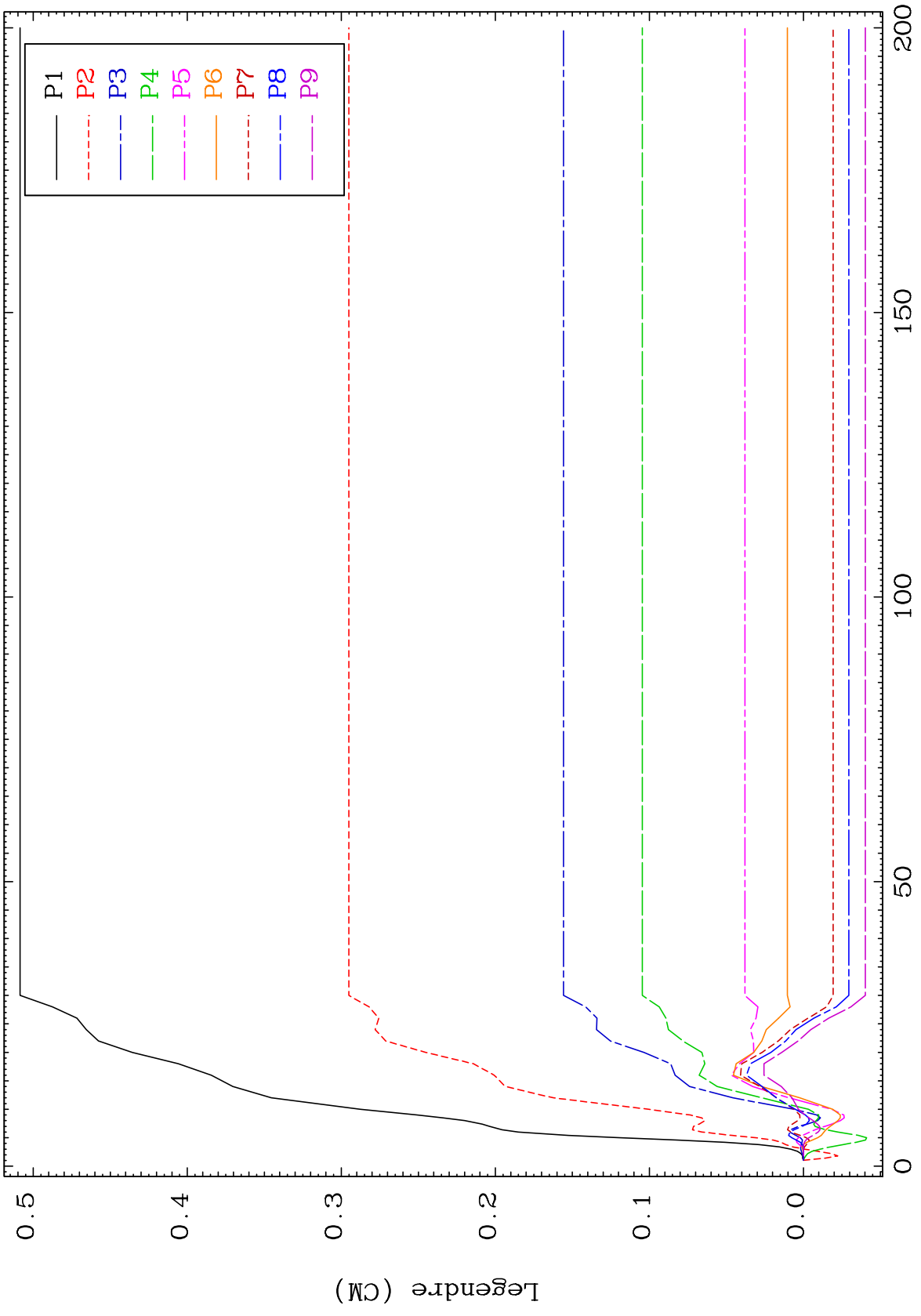
Incident Energy (MeV)

115

MAT 6167

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

61-Pm-153



116

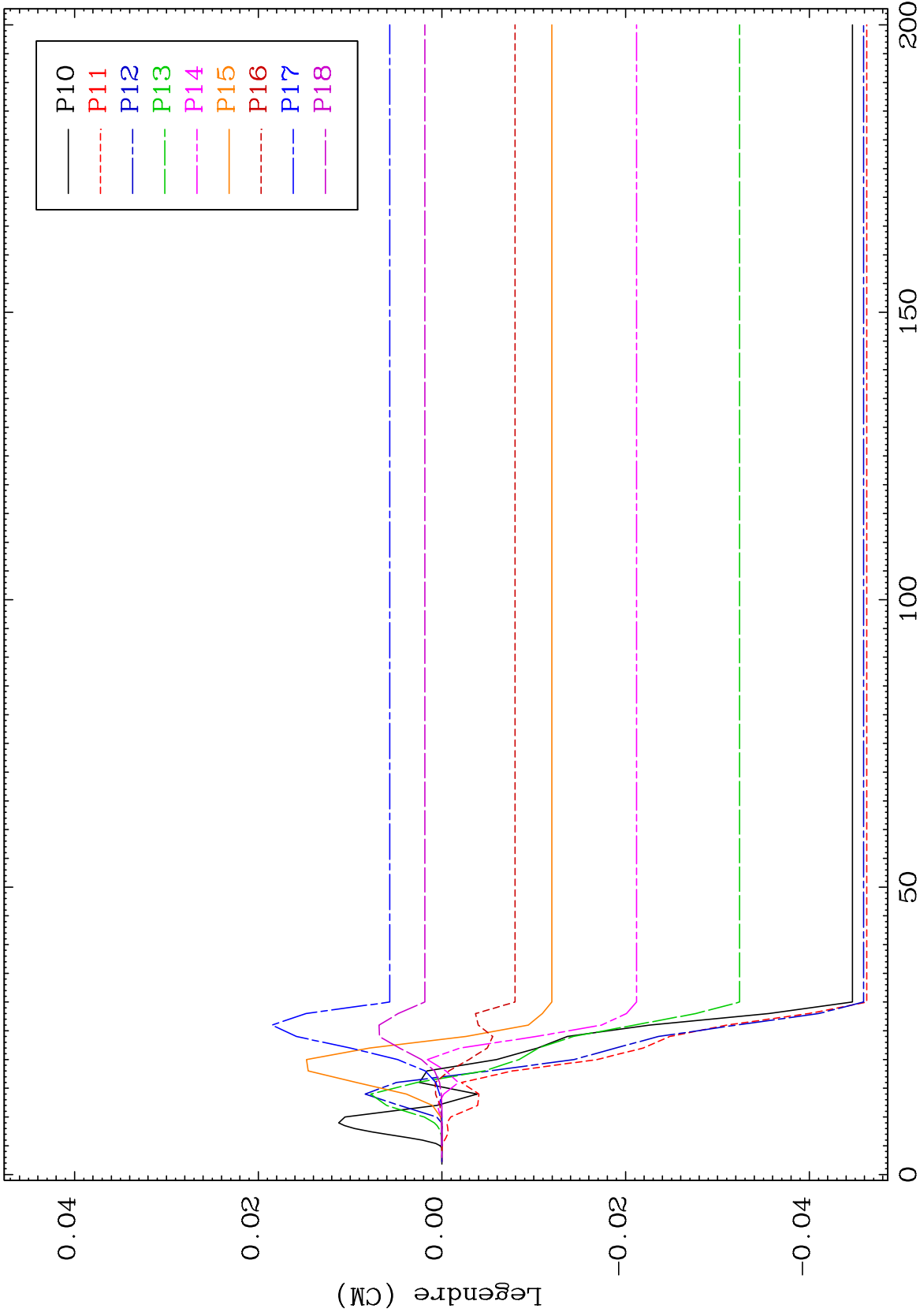
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



117

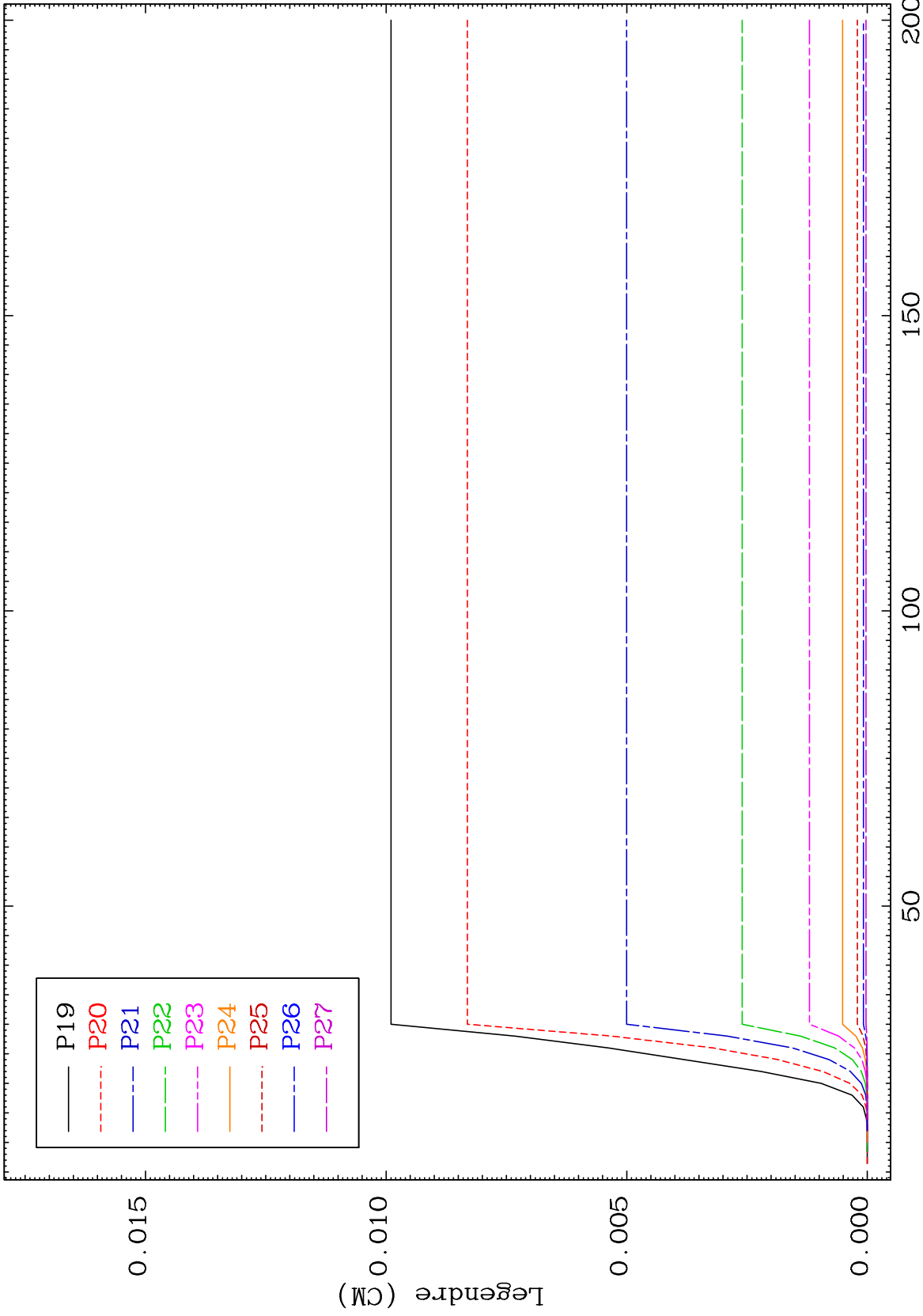
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



118

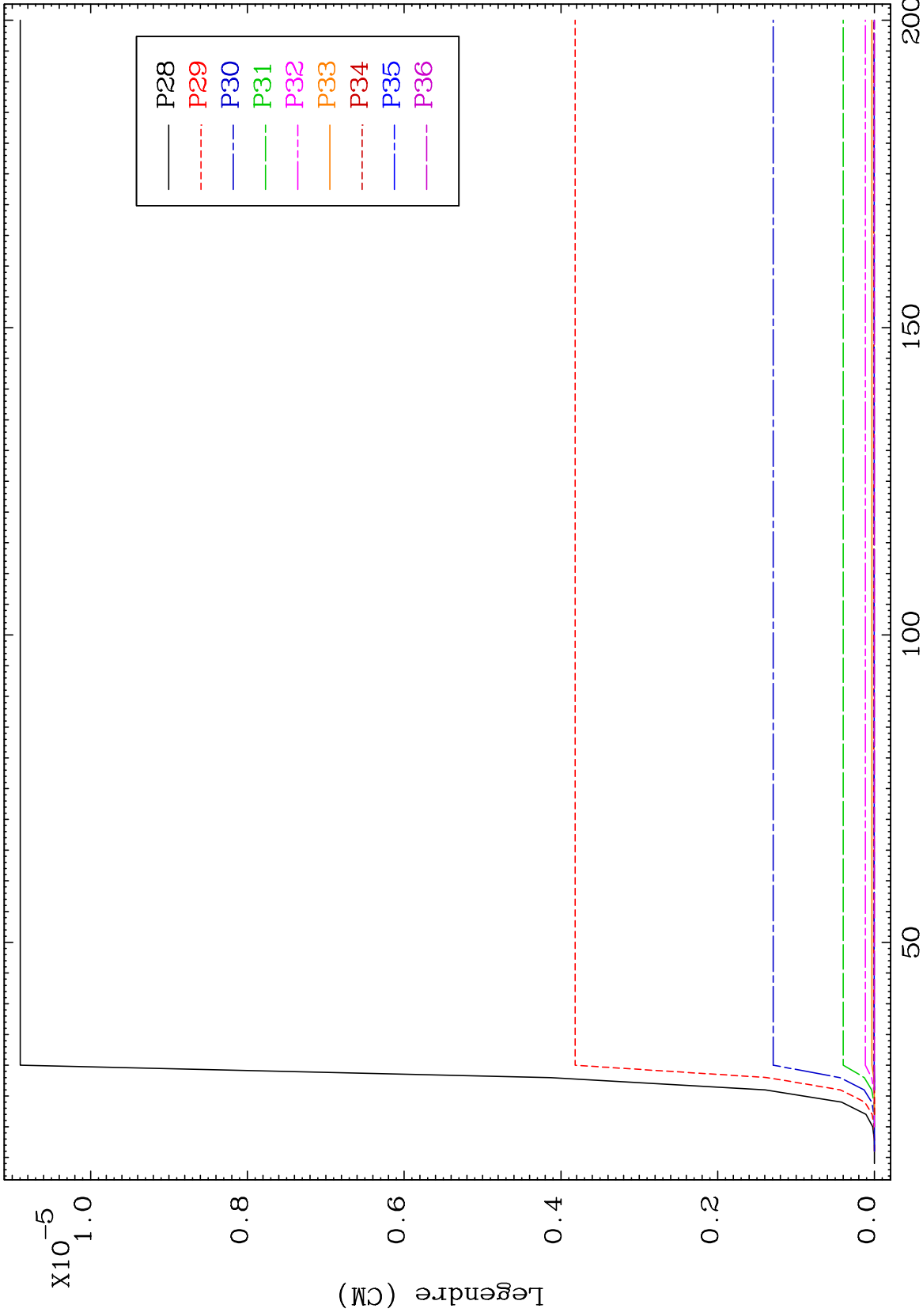
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



119

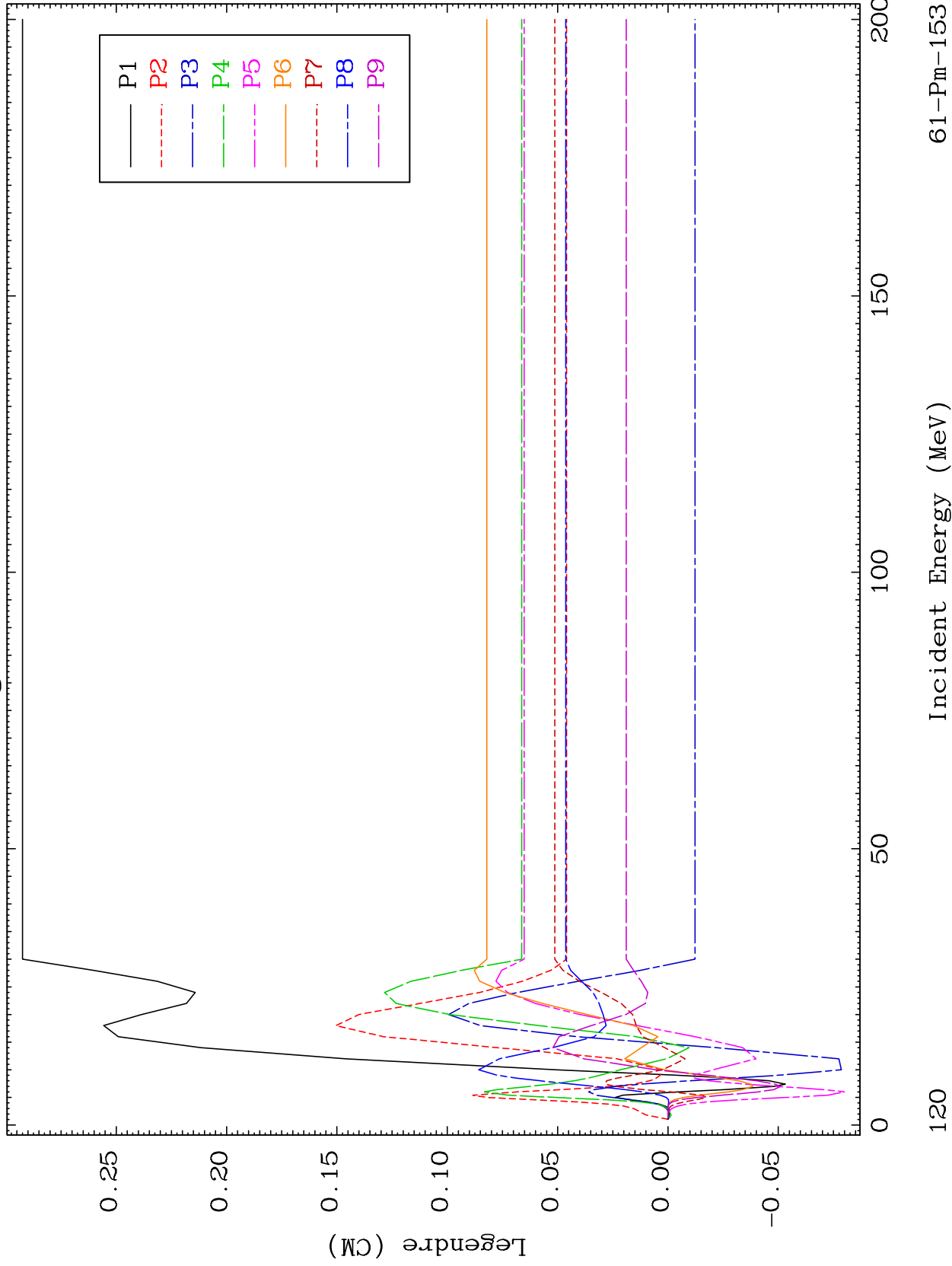
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153

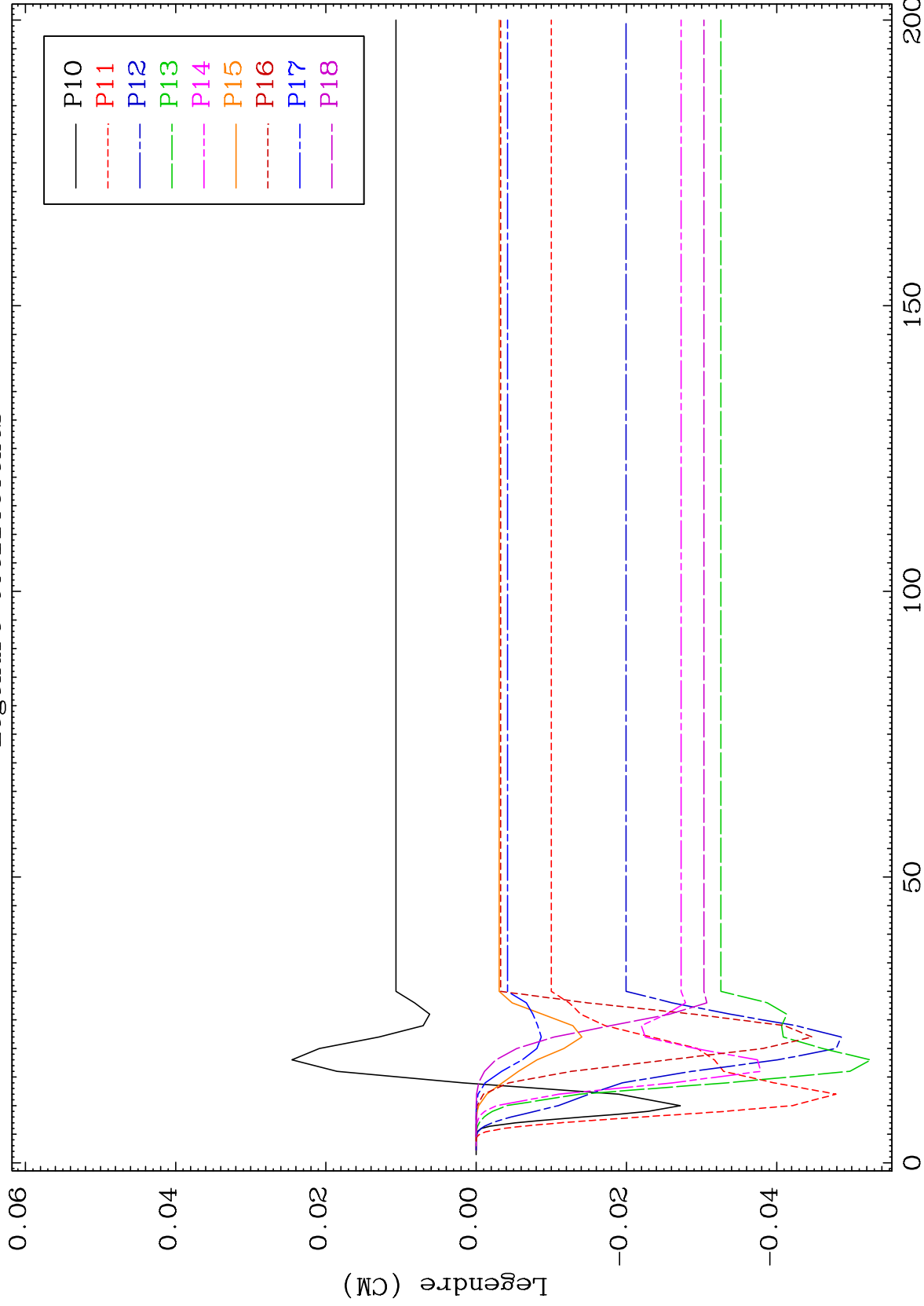


61-Pm-153

MAT 6167

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

61-Pm-153



121

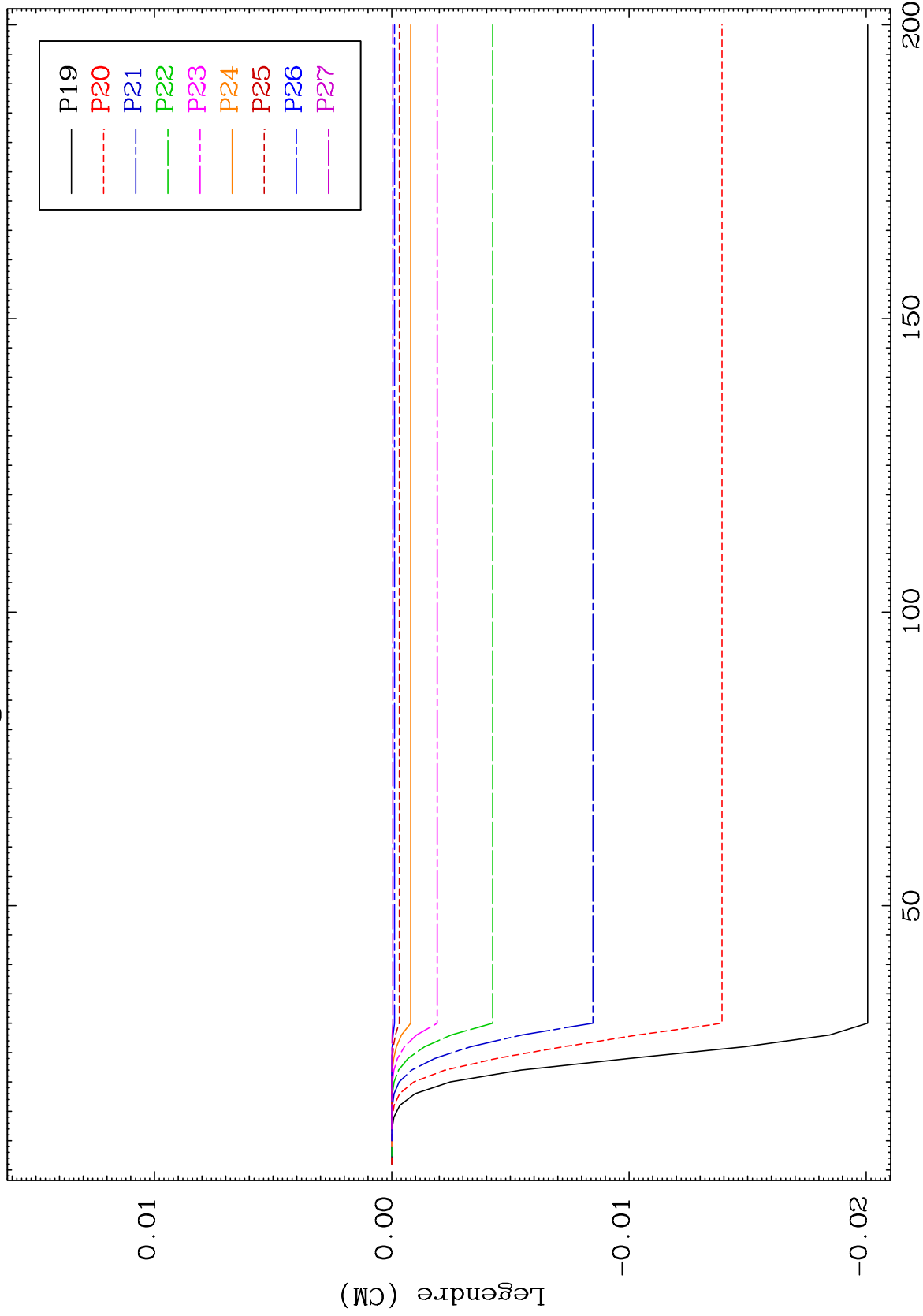
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



122

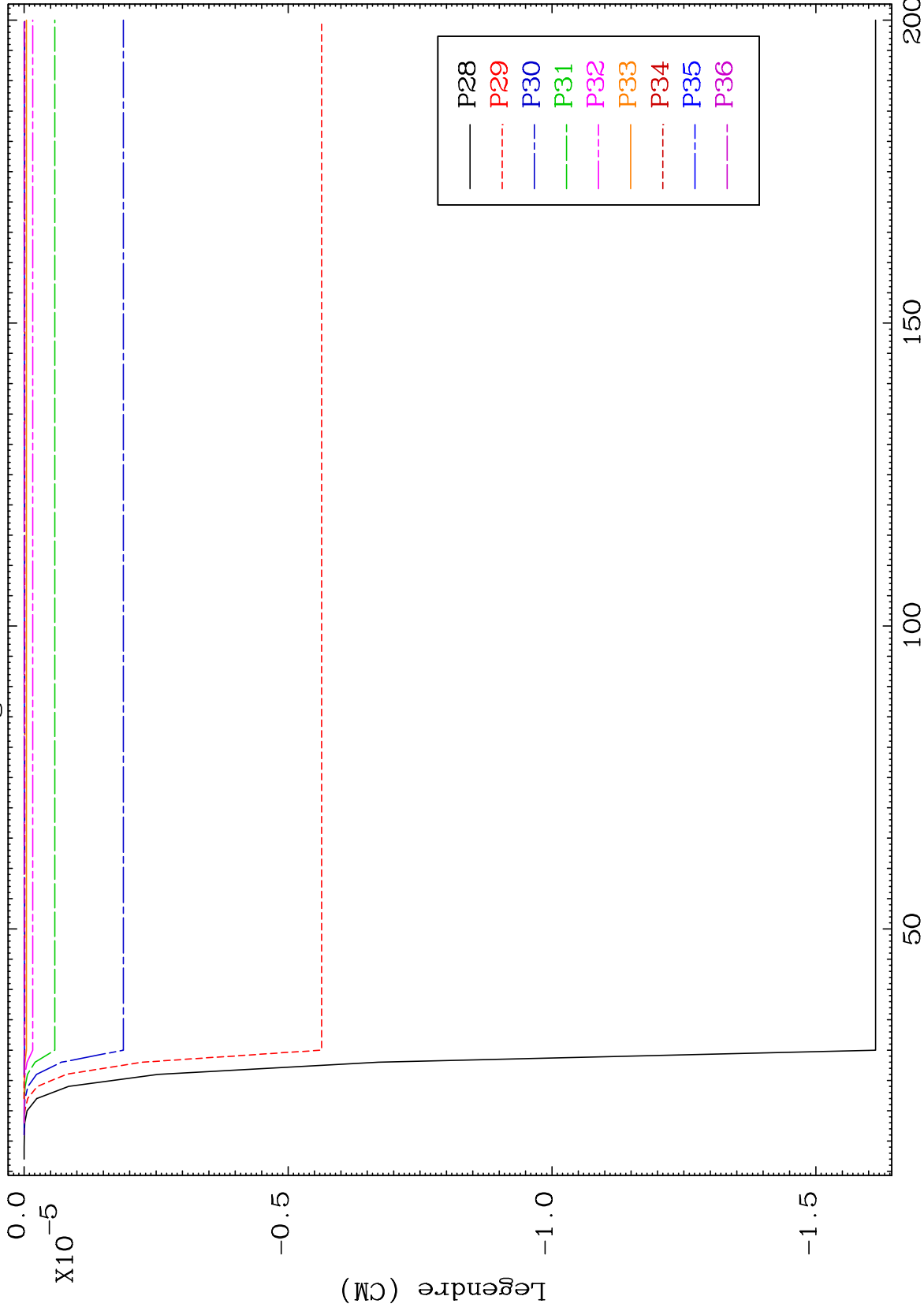
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



123

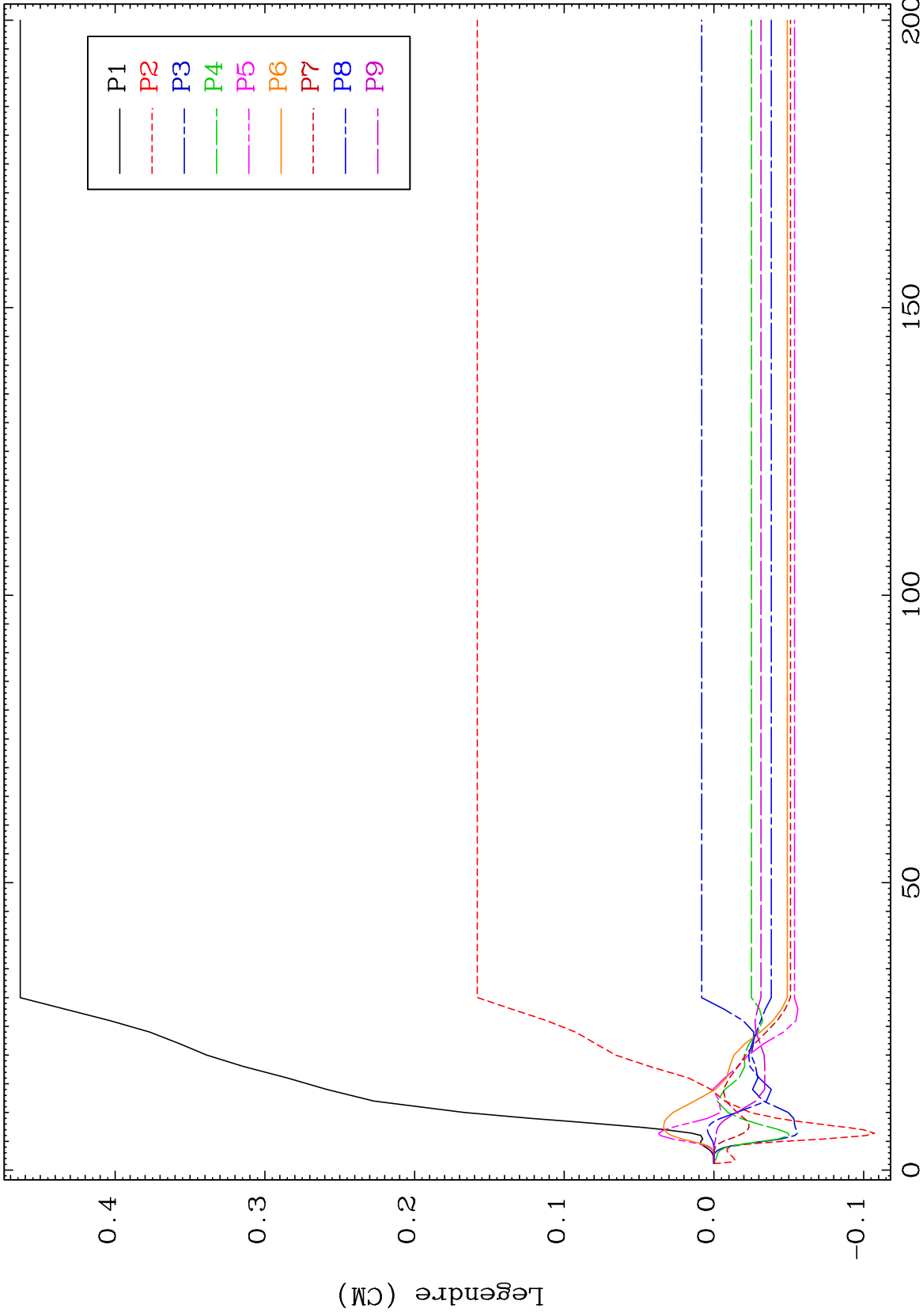
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



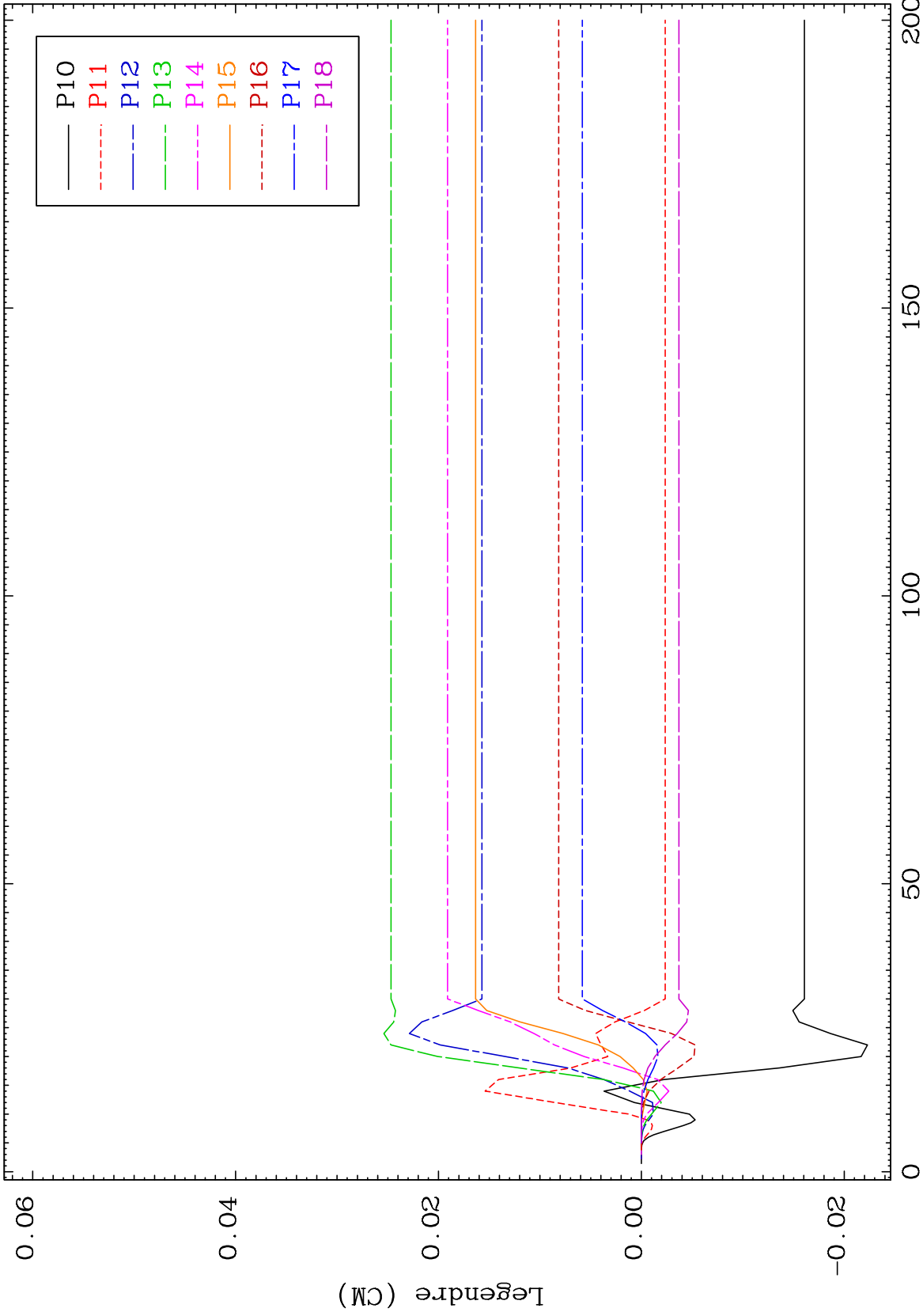
124

61-Pm-153

MAT 6167

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

61-Pm-153



61-Pm-153

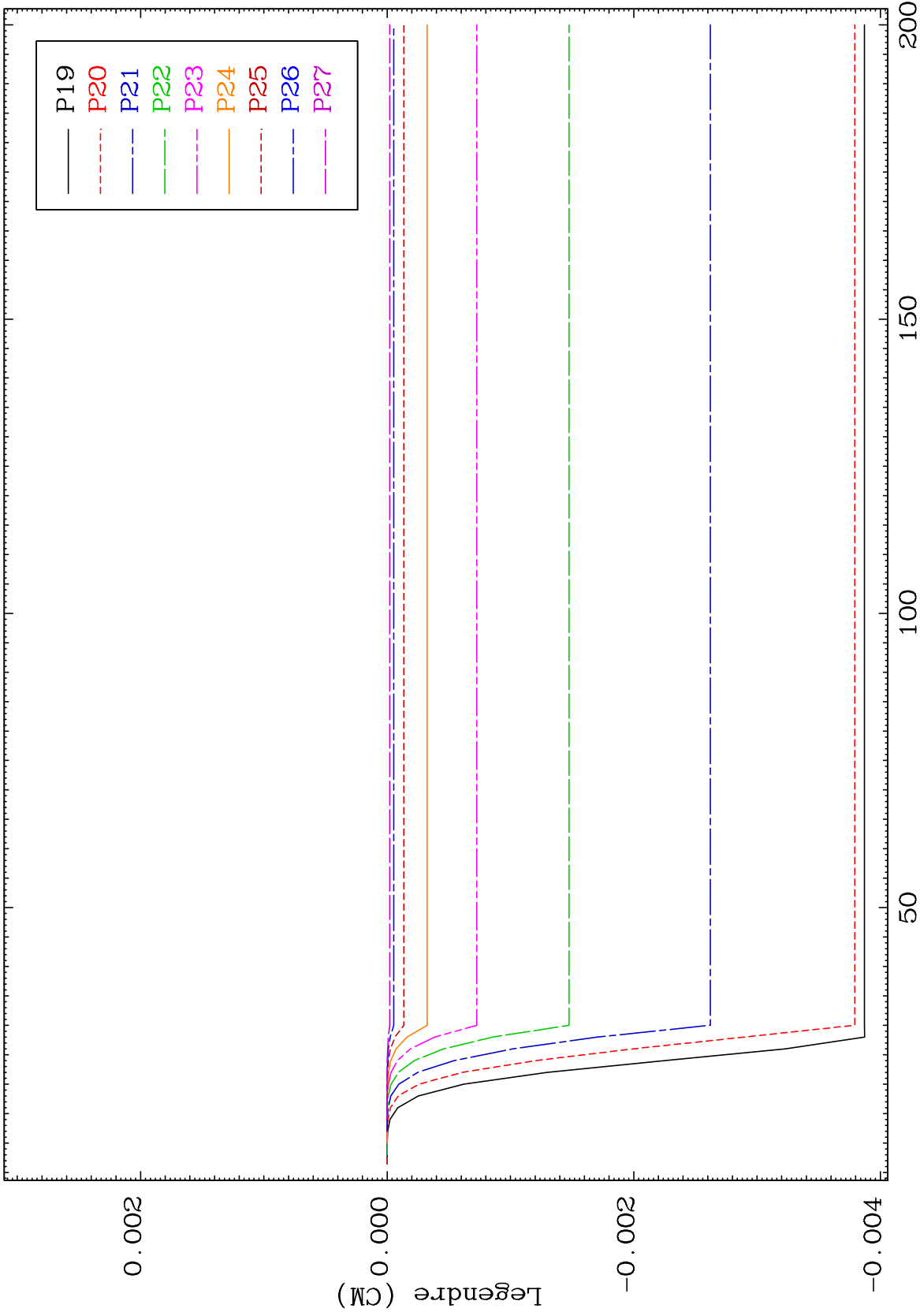
Incident Energy (MeV)

125

MAT 6167

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

61-Pm-153

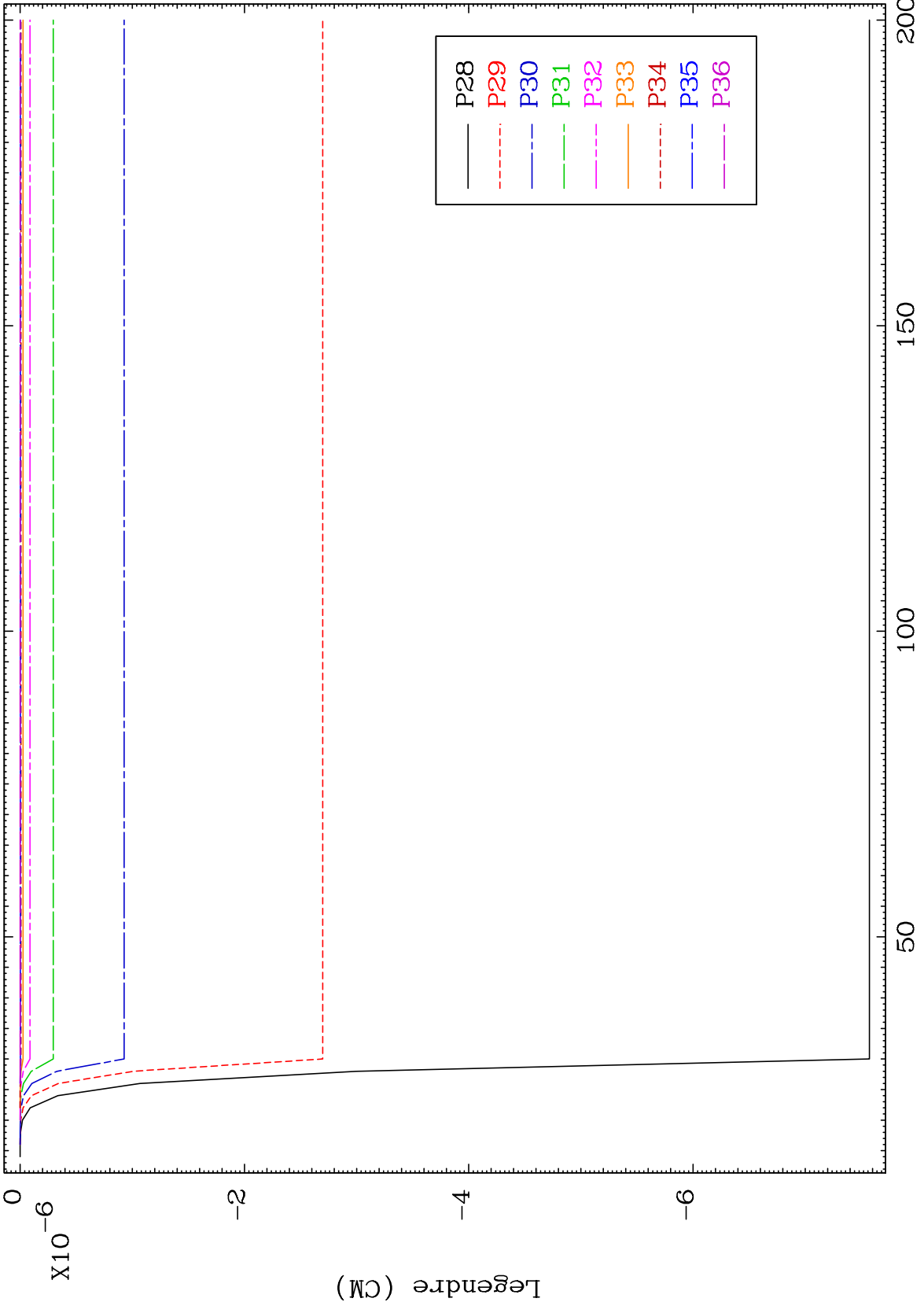


126

Incident Energy (MeV)

61-Pm-153

MAT 6167 MT= 77 (n,n') Level Legendre Coefficients 61-Pm-153

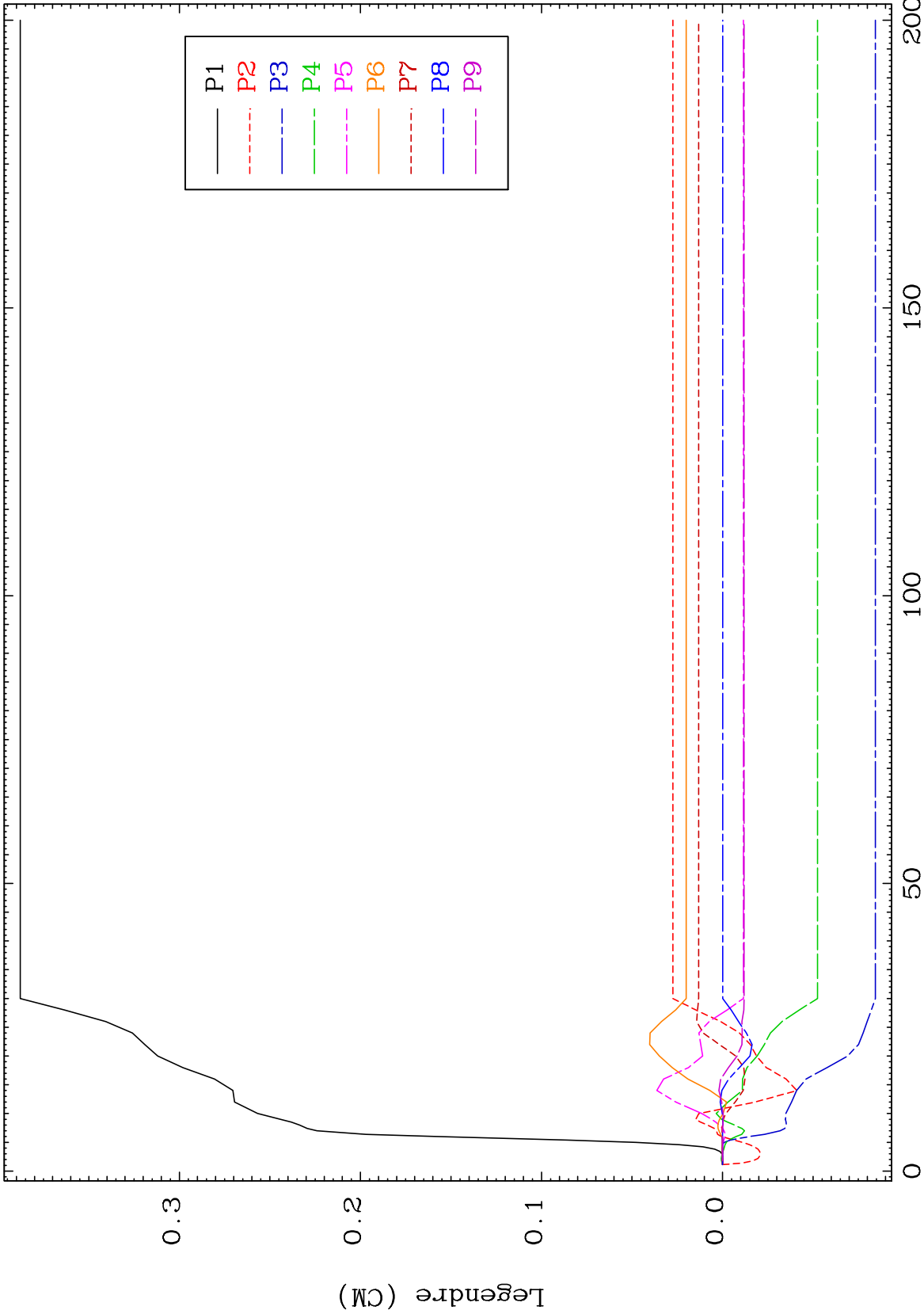


127 61-Pm-153

MAT 6167

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

61-Pm-153



128

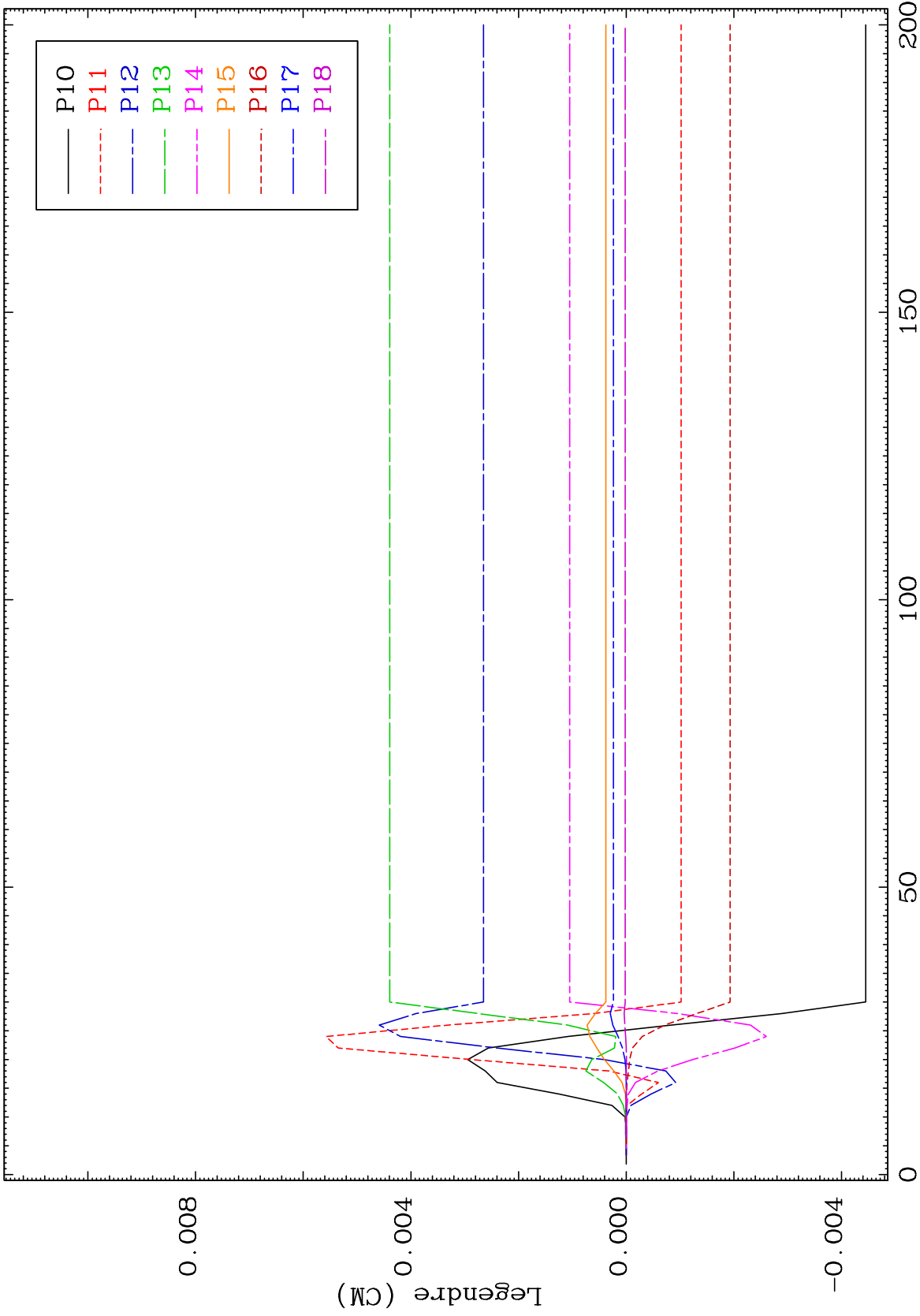
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



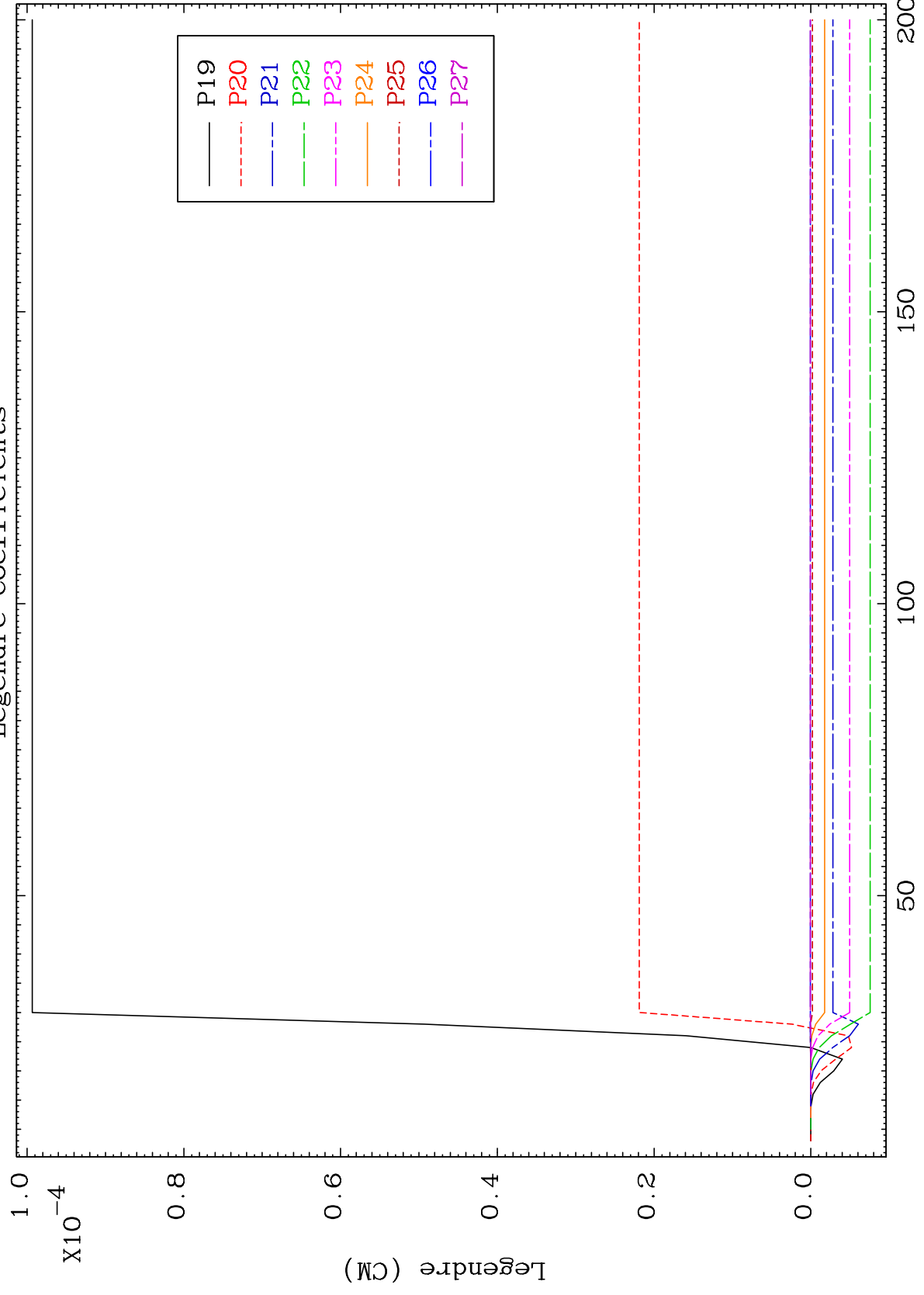
129

61-Pm-153

MAT 6167

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

61-Pm-153



130

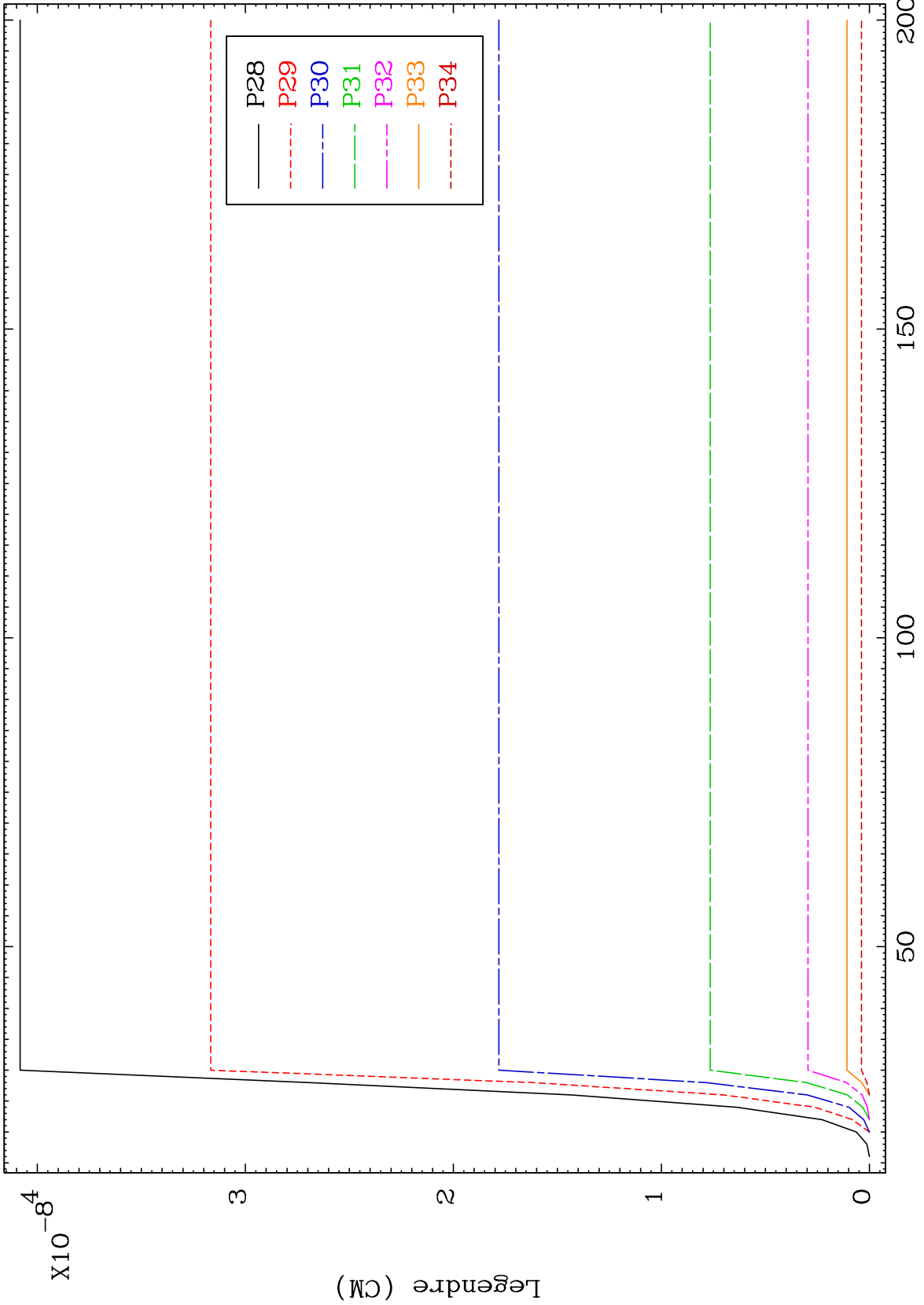
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



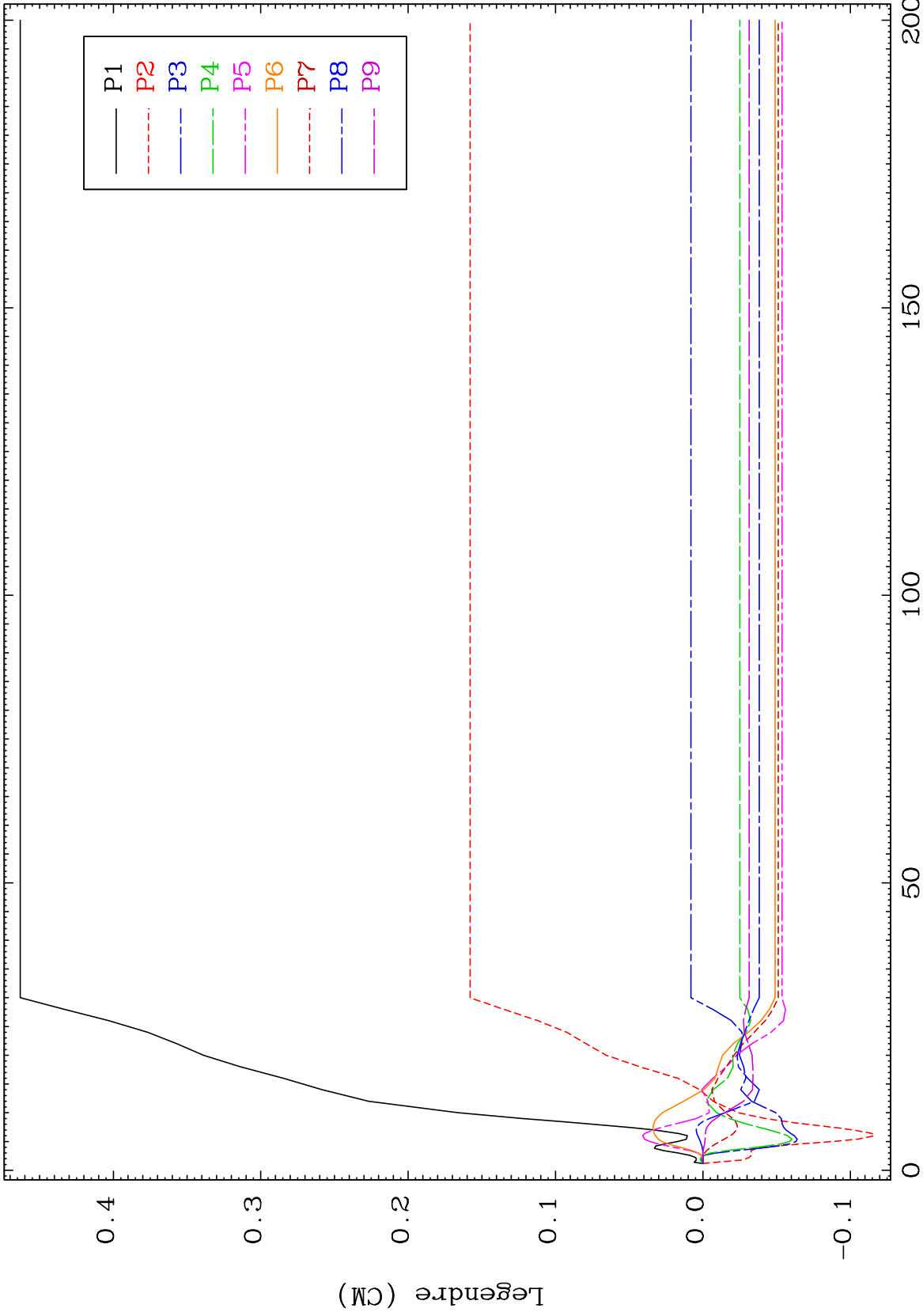
131

61-Pm-153

MAT 6167

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

61-Pm-153



132

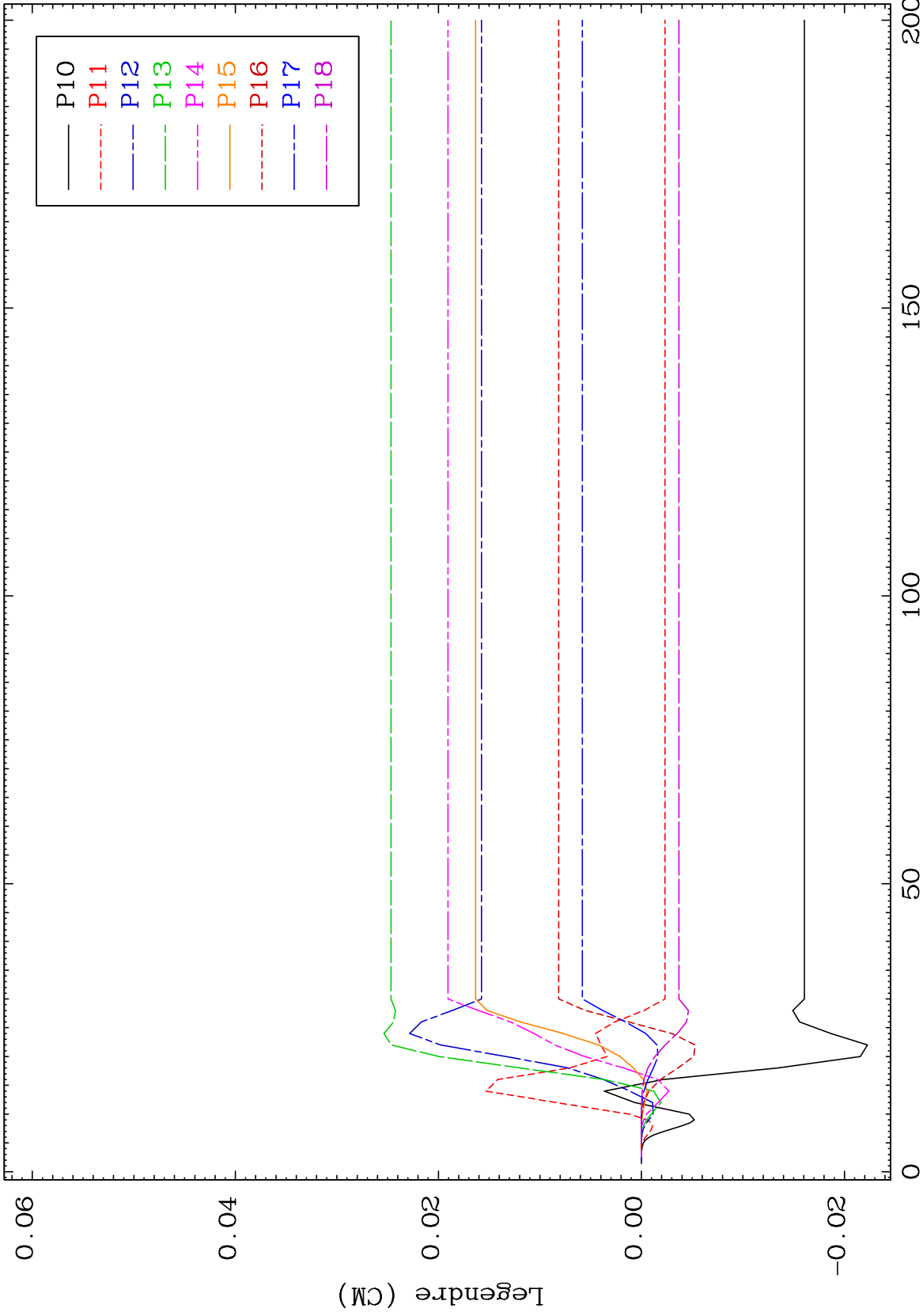
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



133

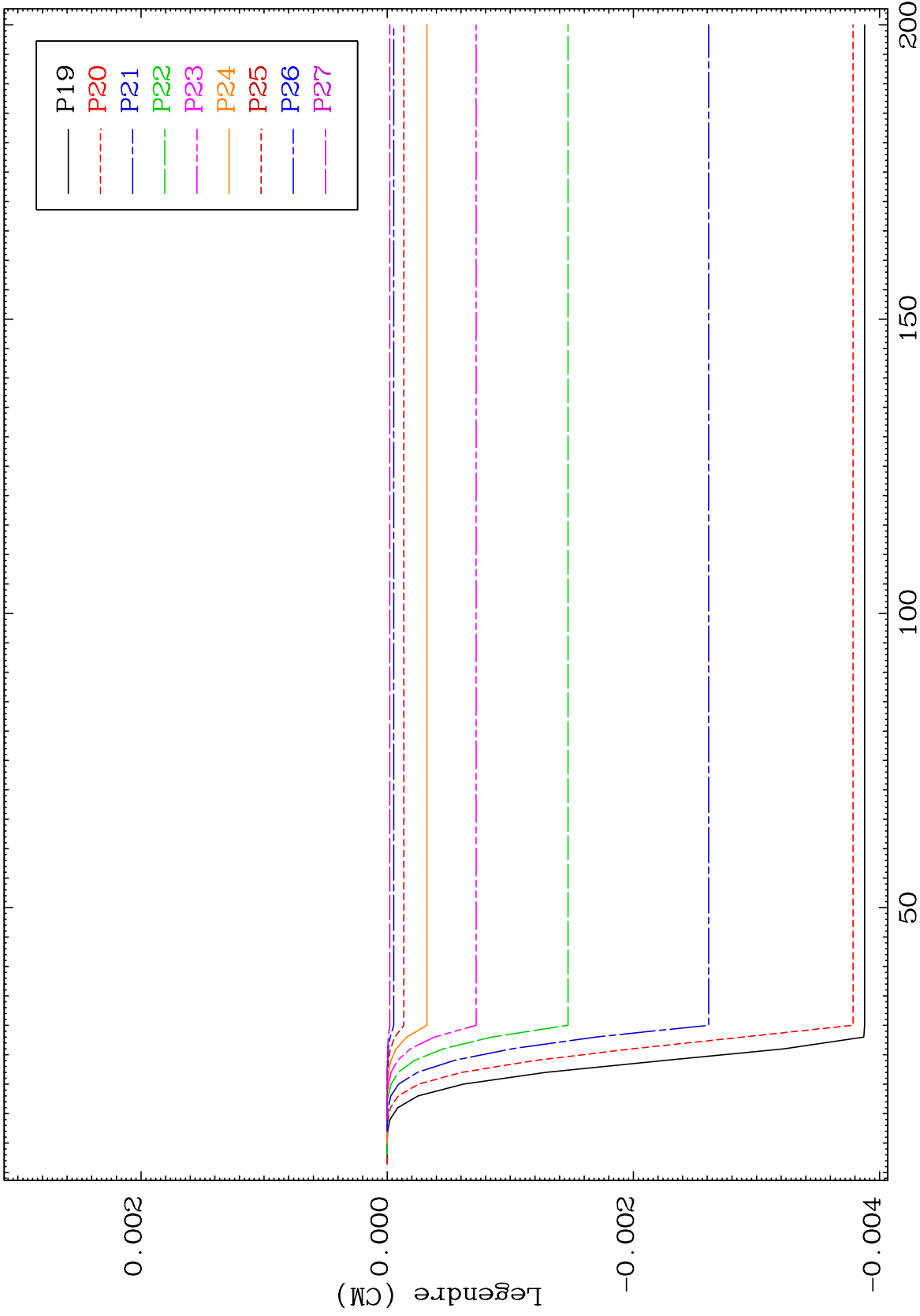
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153

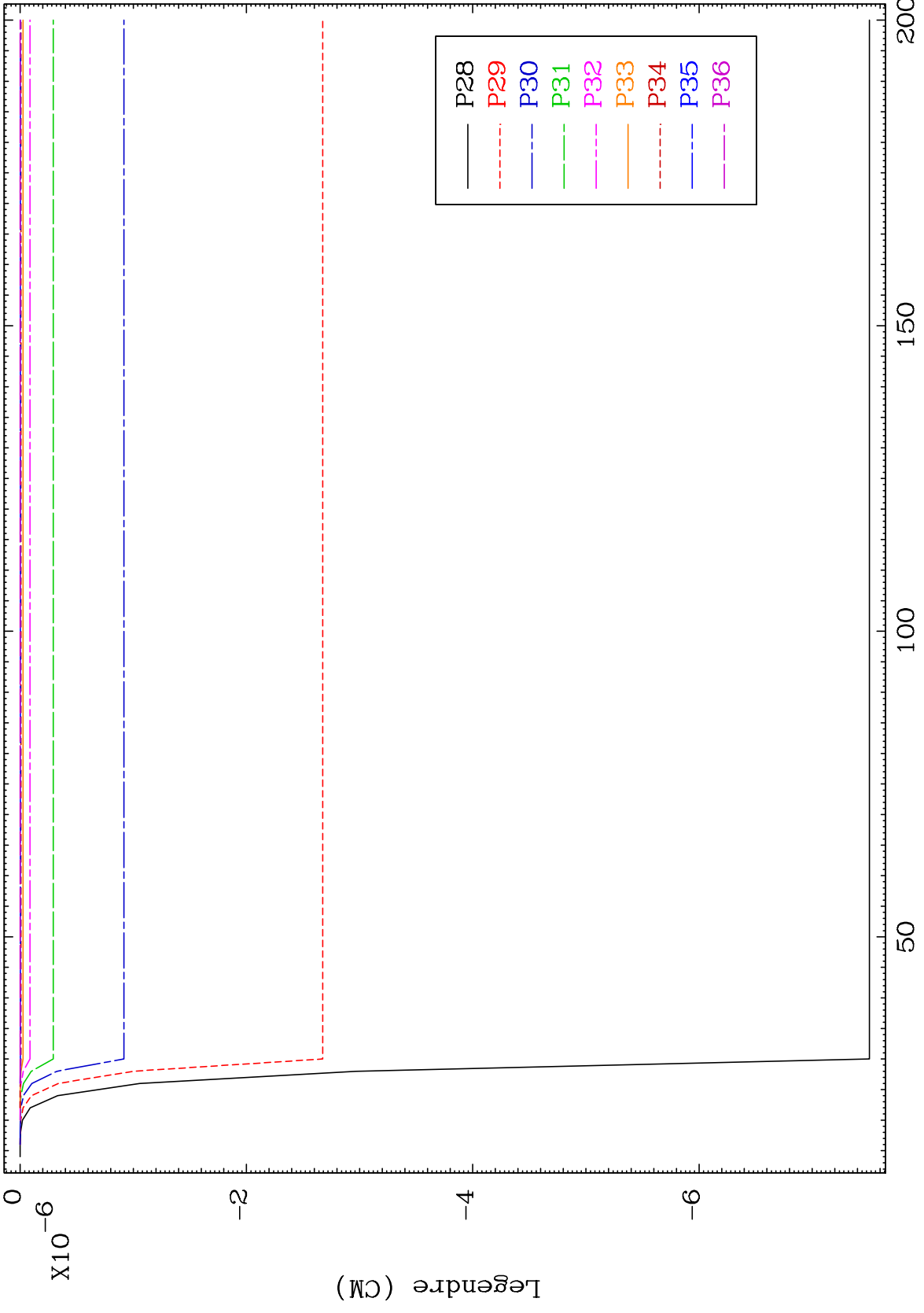


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Incident Energy (MeV)

61-Pm-153

MAT 6167 MT= 79 (n,n') Level Legendre Coefficients 61-Pm-153

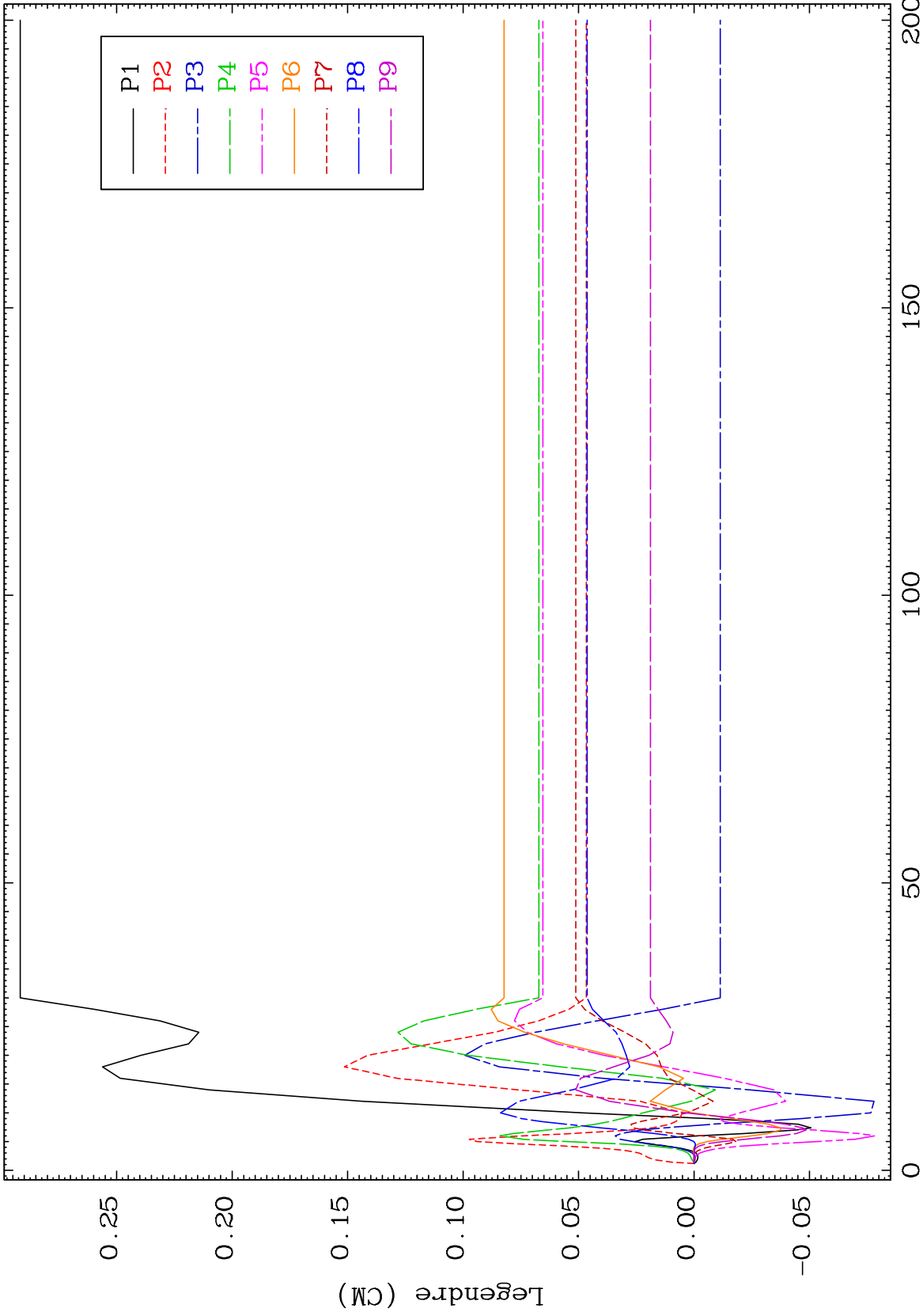


135 61-Pm-153

MAT 6167

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

61-Pm-153



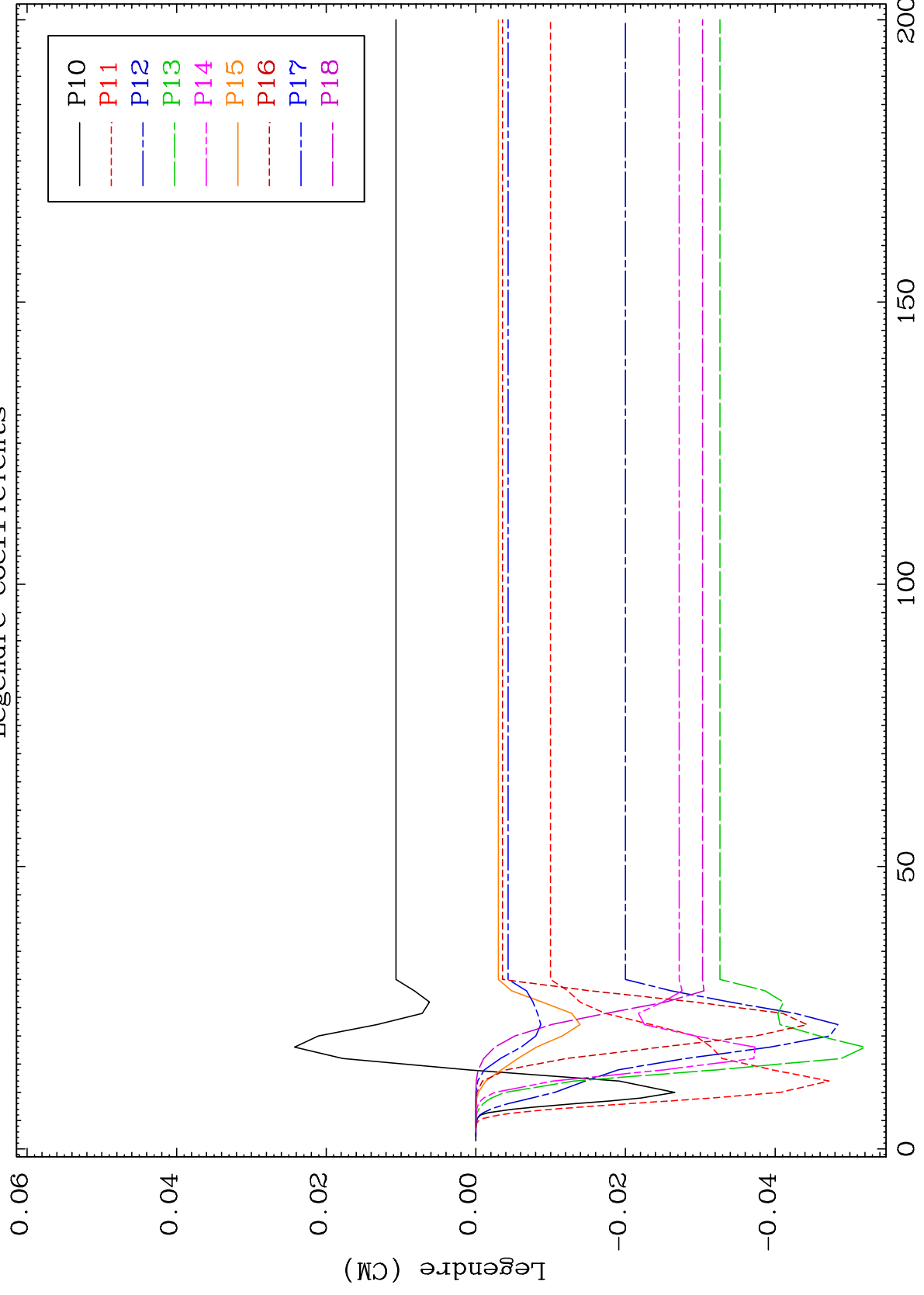
136

61-Pm-153

MAT 6167

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

61-Pm-153



137

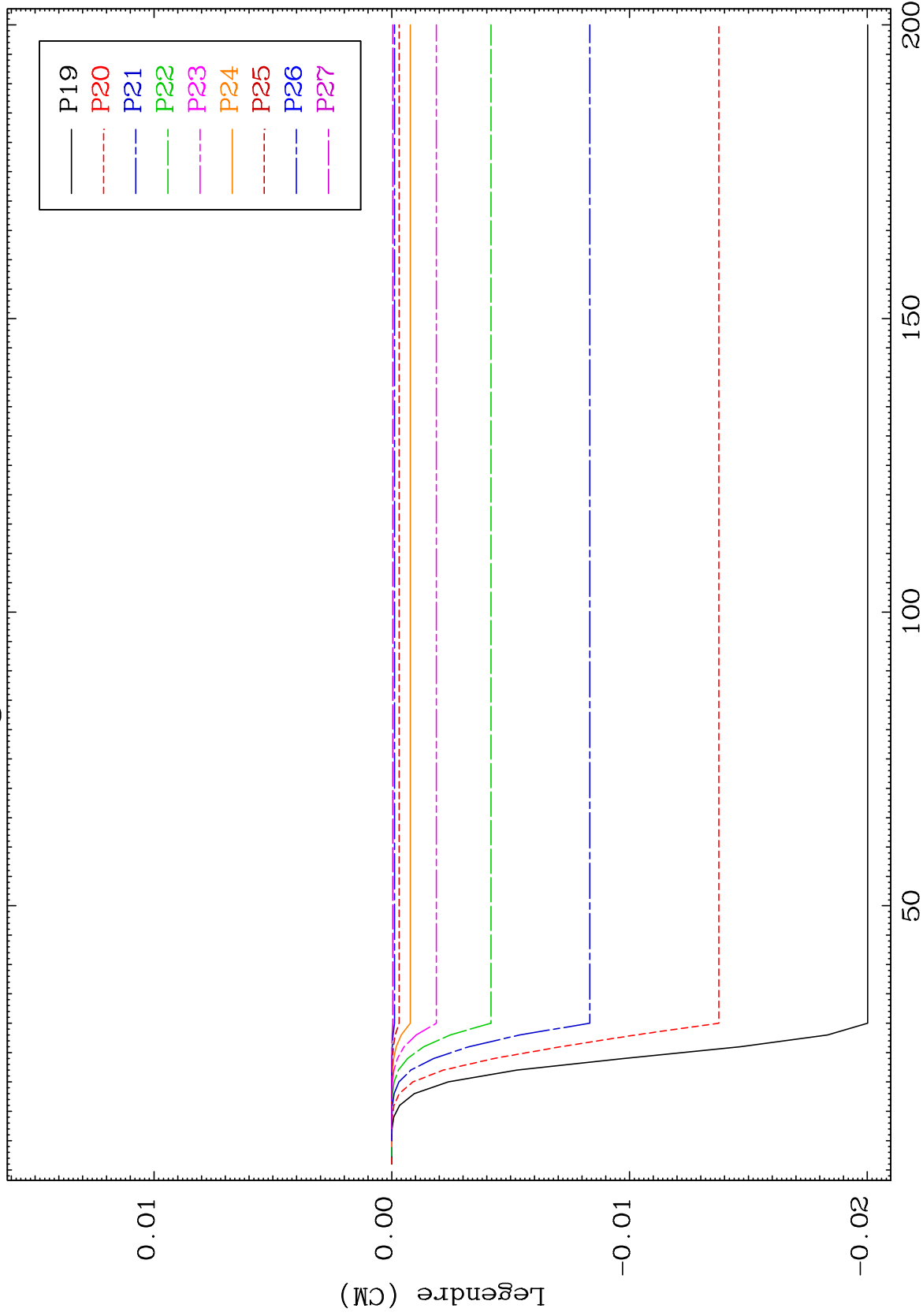
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



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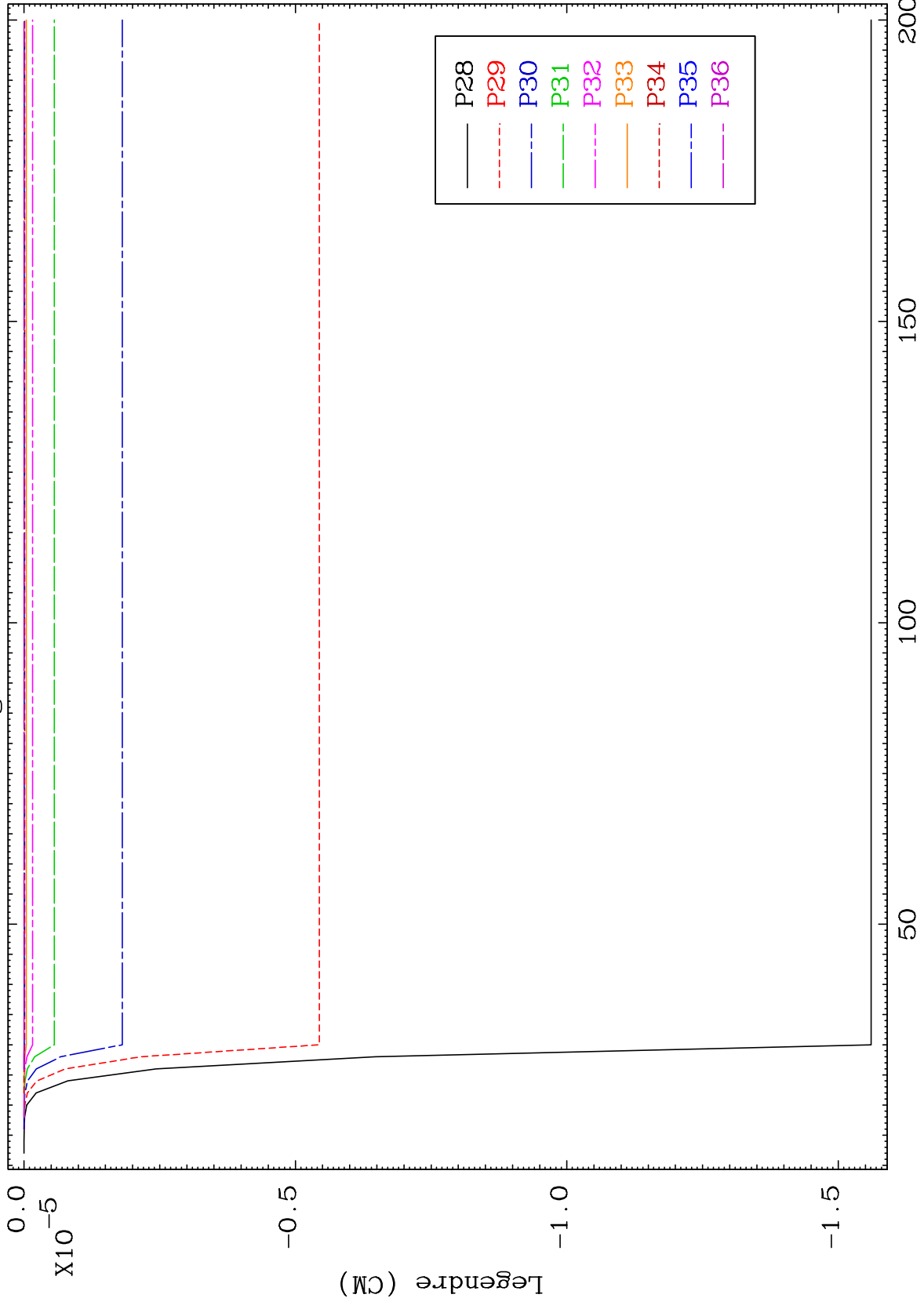
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



61-Pm-153

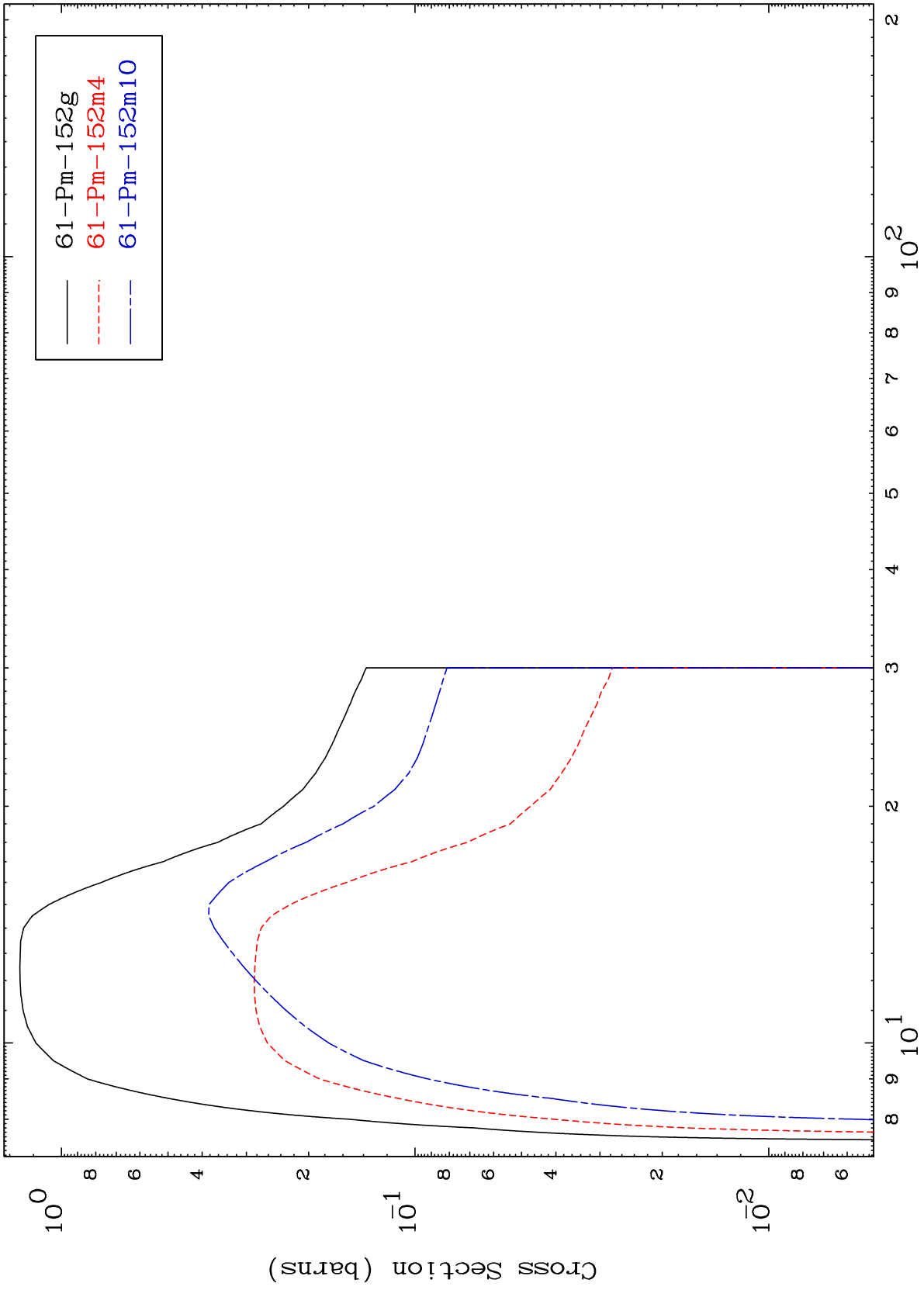
Incident Energy (MeV)

139

MAT 6167

61-Pm-153

(n,2n)
Radionuclide Production Cross Section



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Incident Energy (MeV)

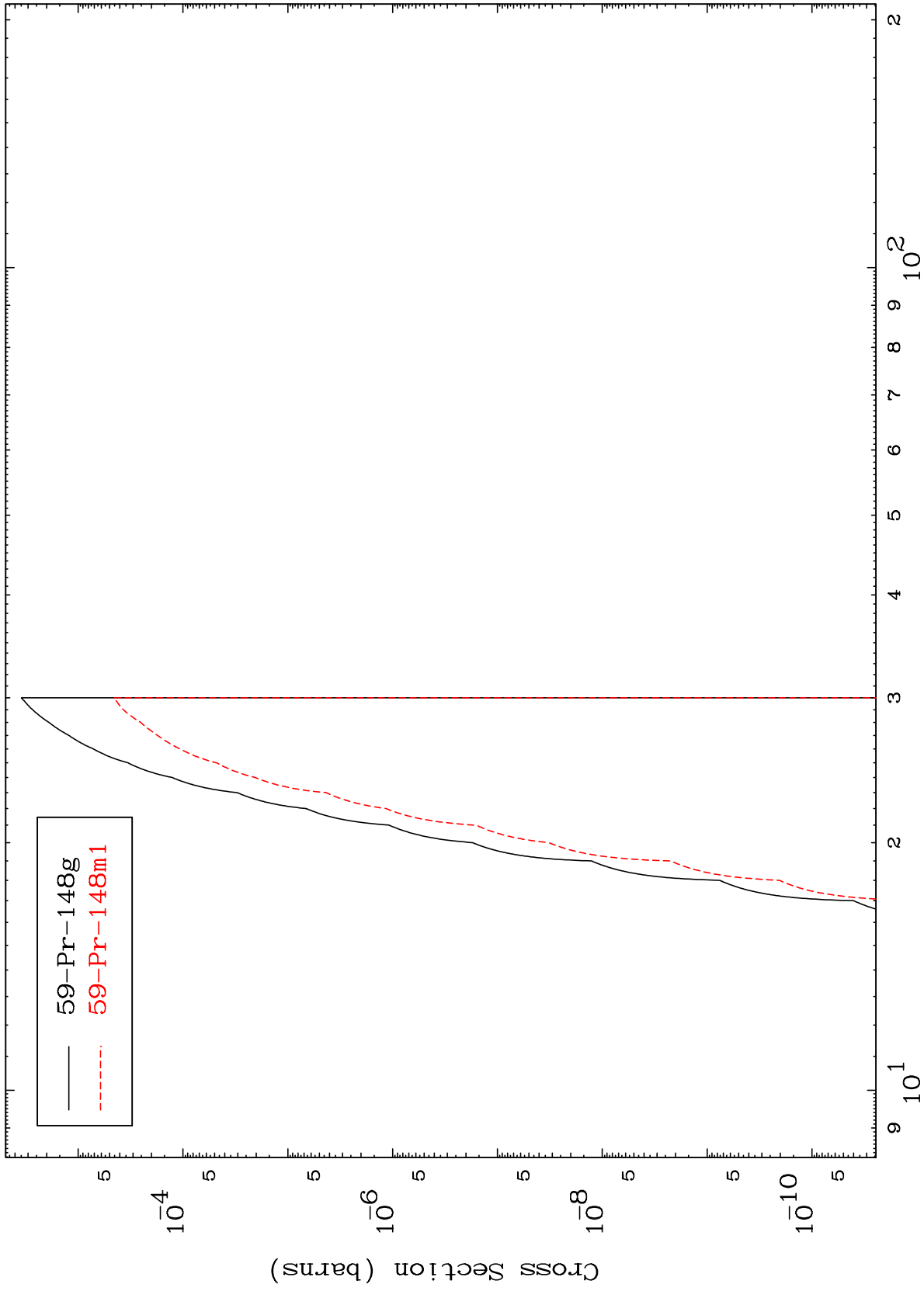
61-Pm-153

MAT 6167

(n,2n) α

61-Pm-153

Radionuclide Production Cross Section



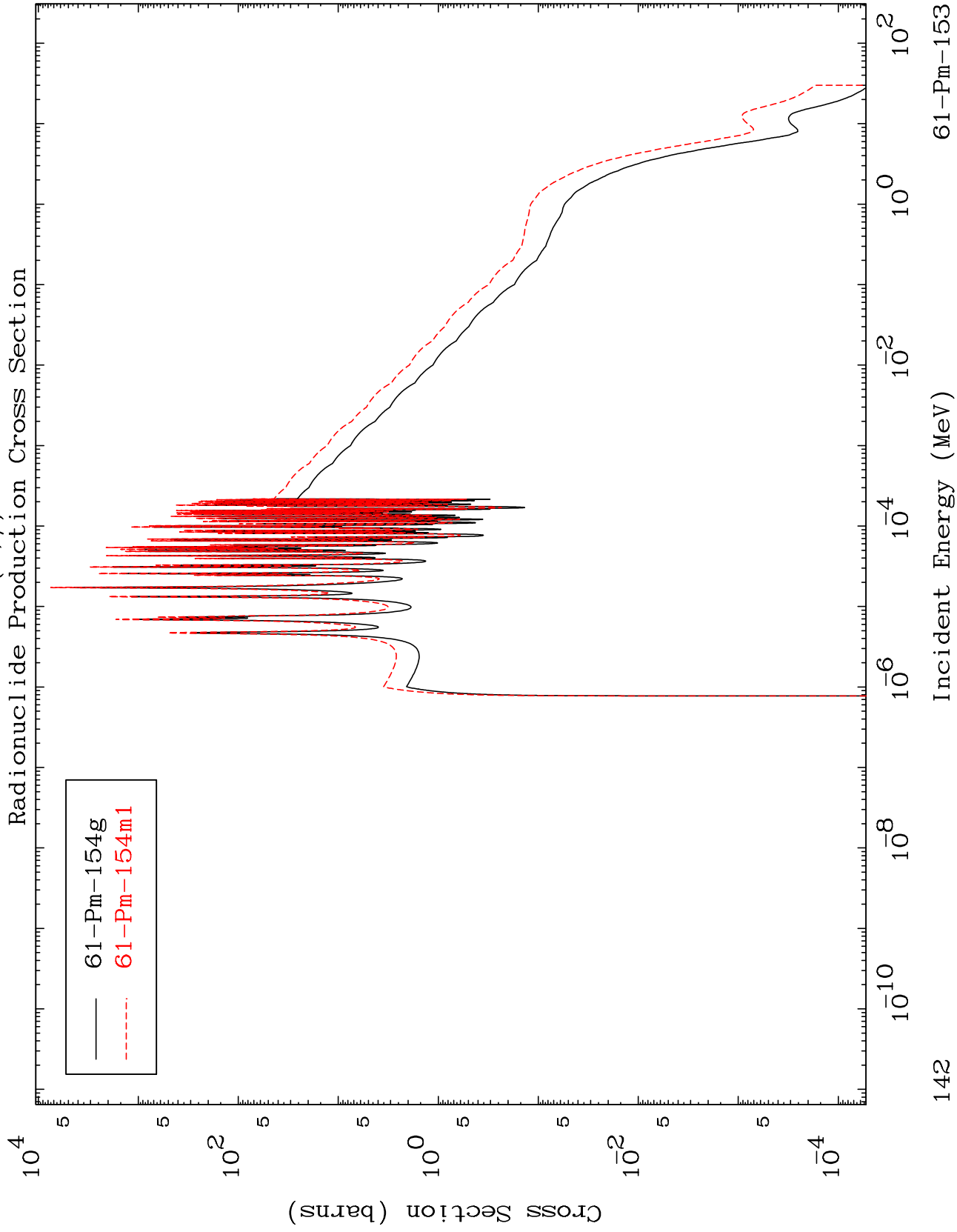
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Incident Energy (MeV)

61-Pm-153

MAT 6167

61-Pm-153



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