

Program EVALPLOT  
(Version 2018-1)

by

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(Present Contact Information)

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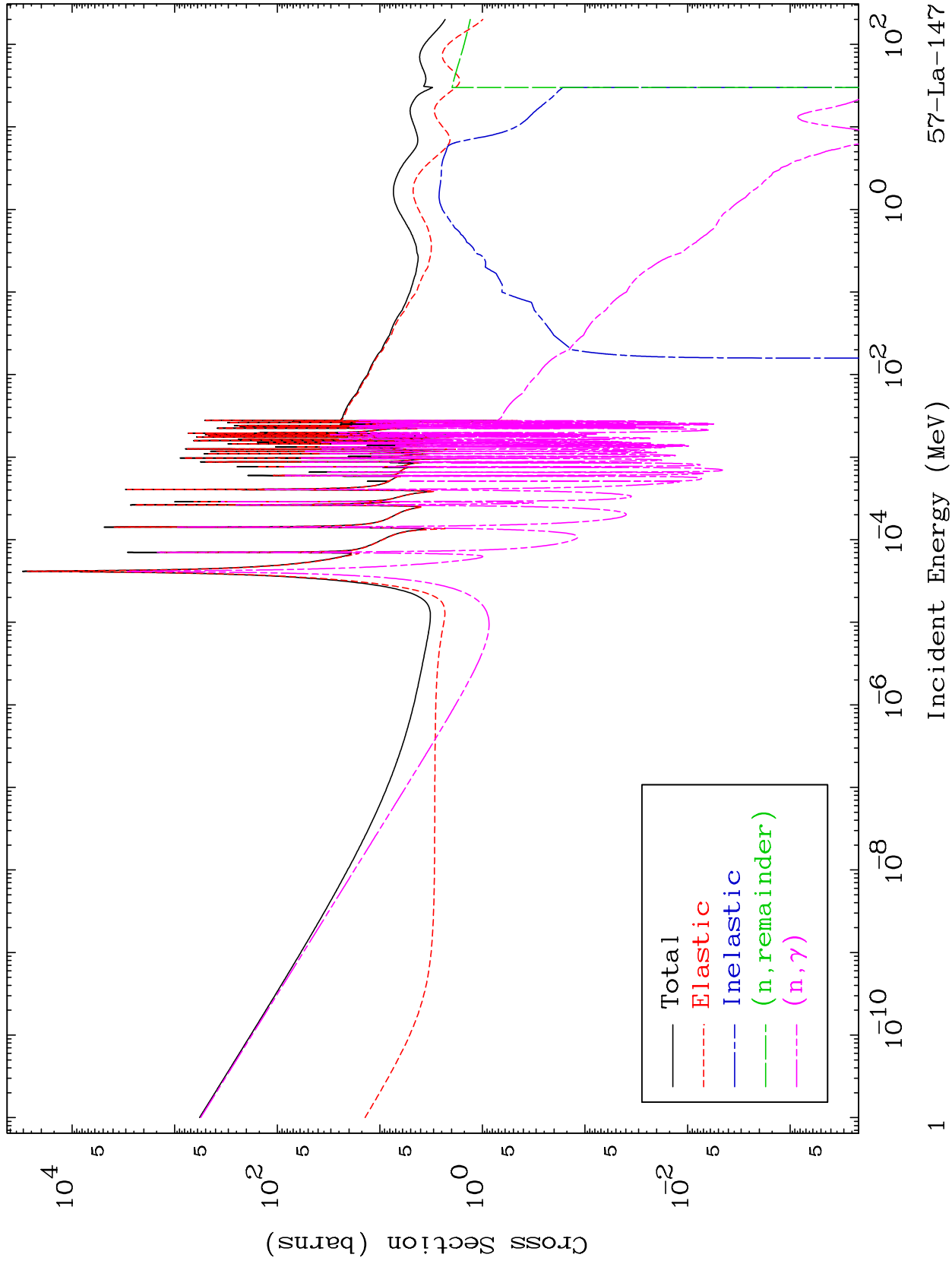
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

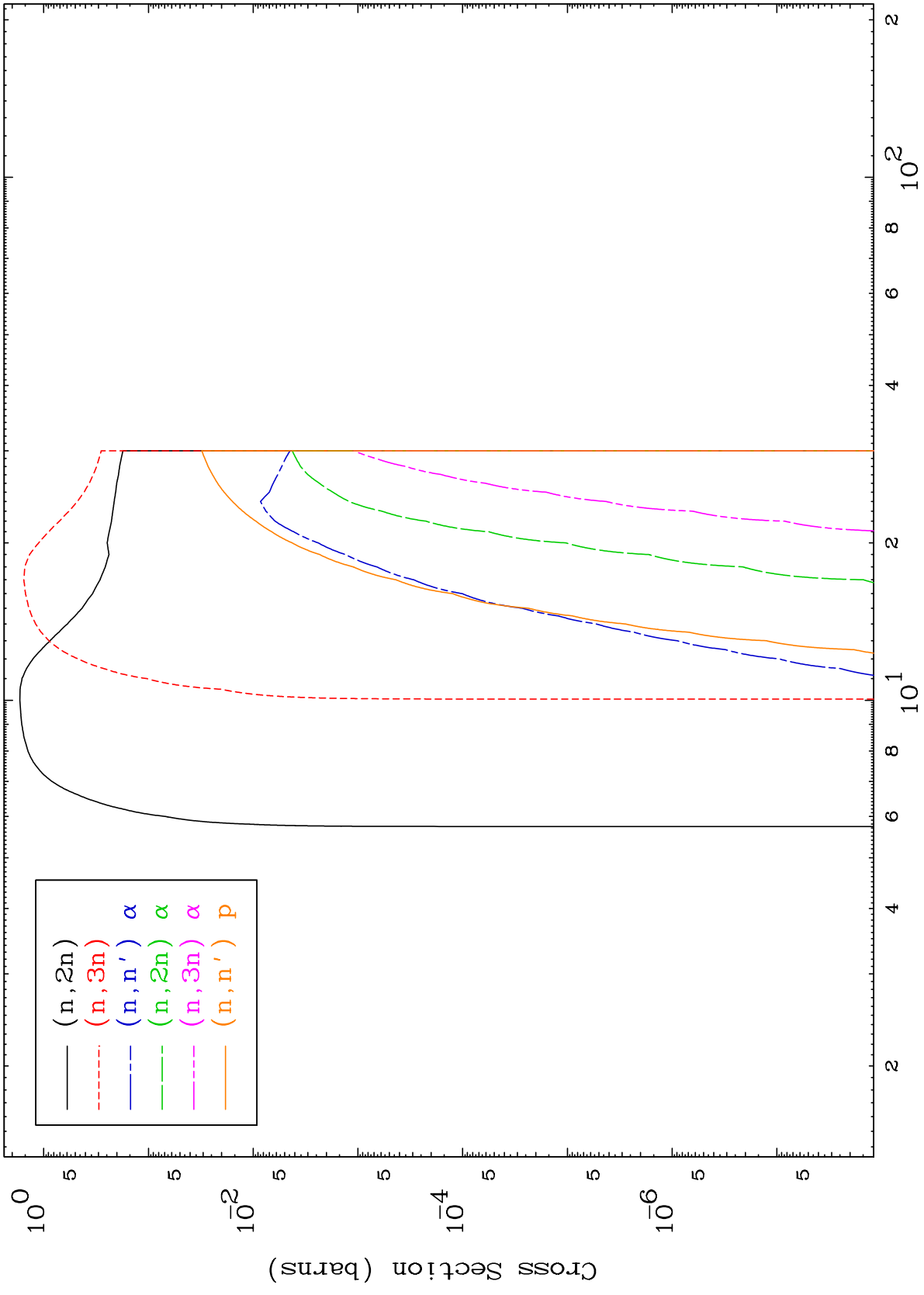
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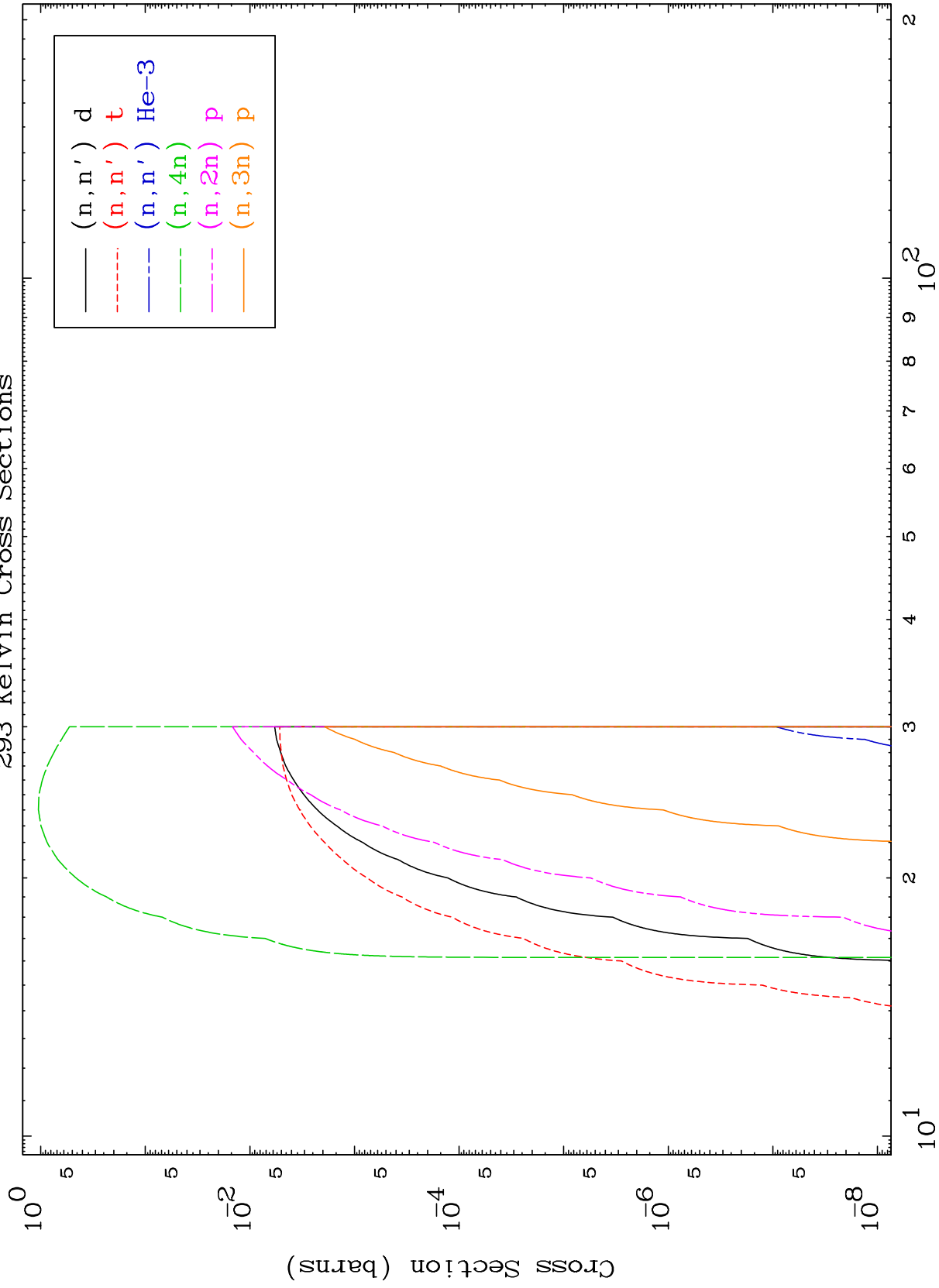
MAT 5752

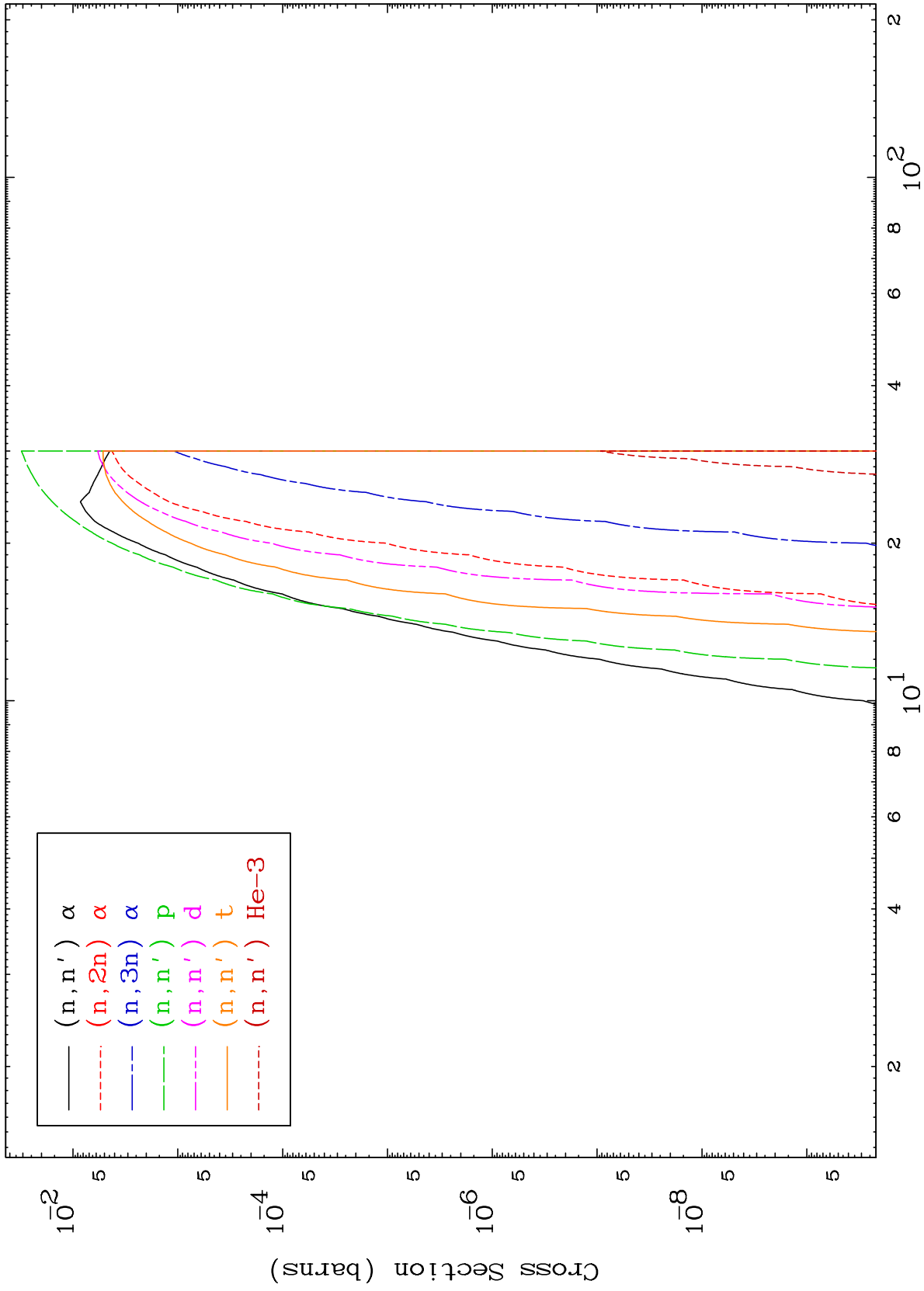
Major  
293 Kelvin Cross Sections

57-La-147





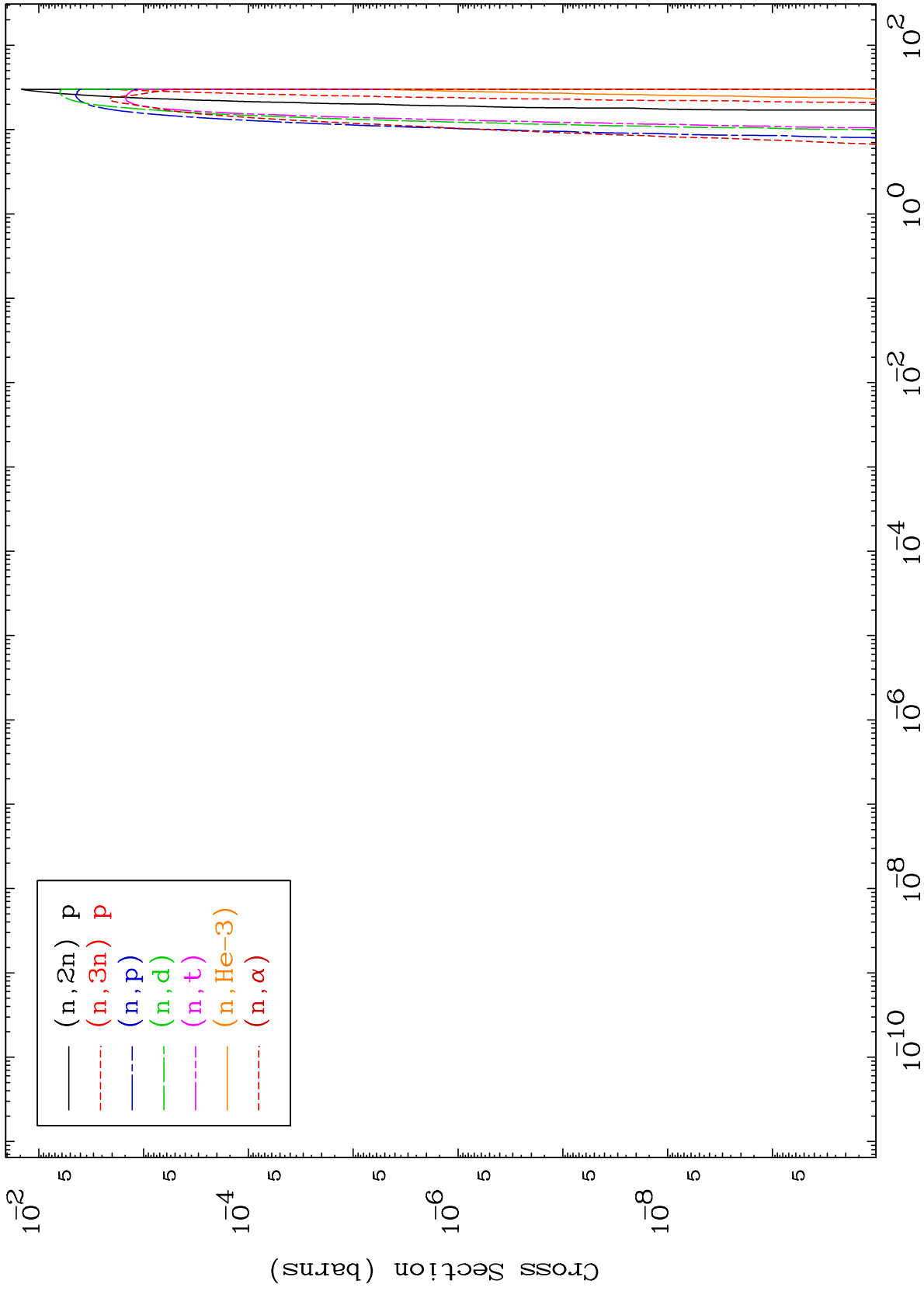




MAT 5752

Charged Particle  
293 Kelvin Cross Sections

57-La-147



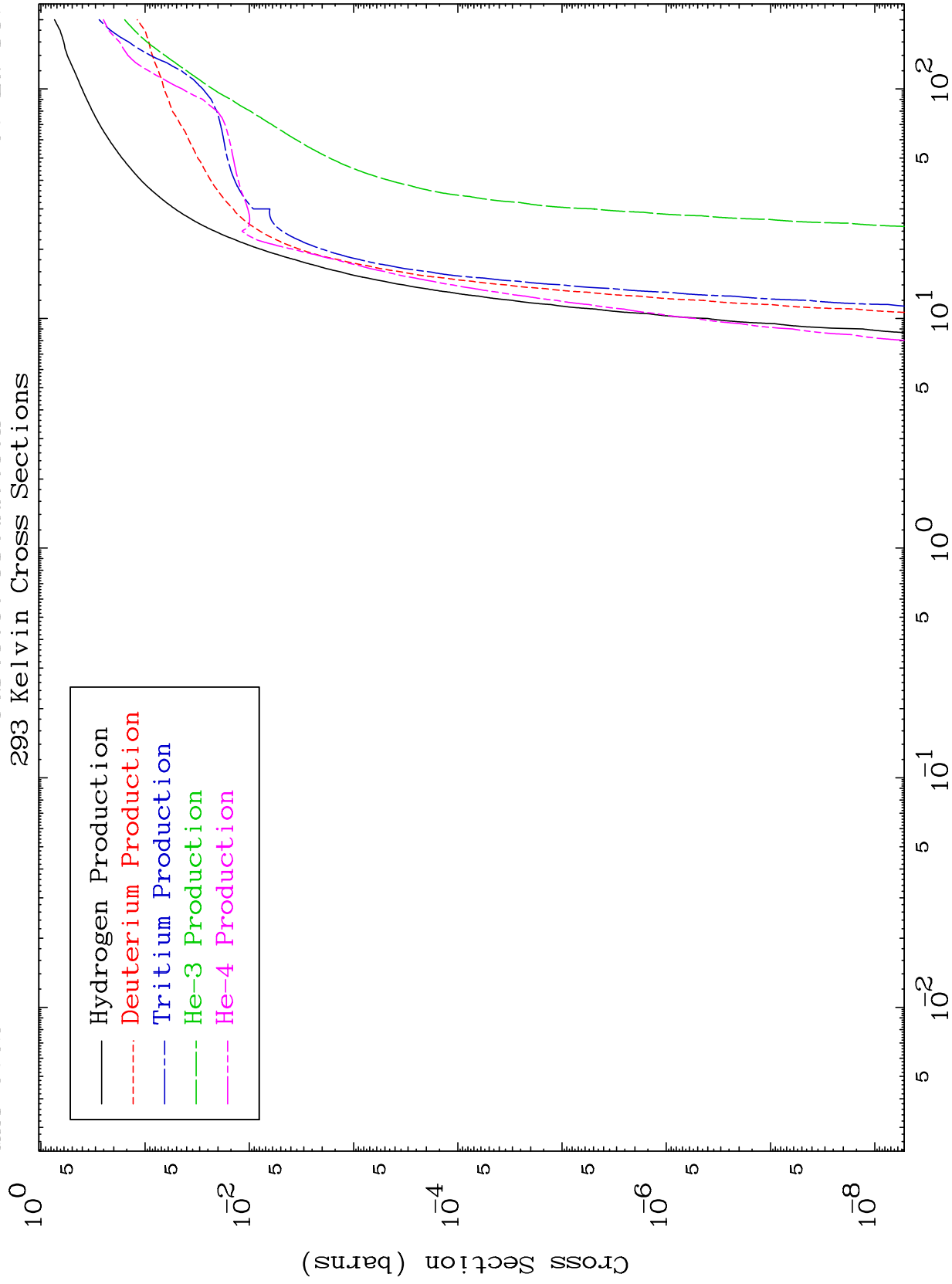
5

57-La-147

MAT 5752

Particle Production  
293 Kelvin Cross Sections

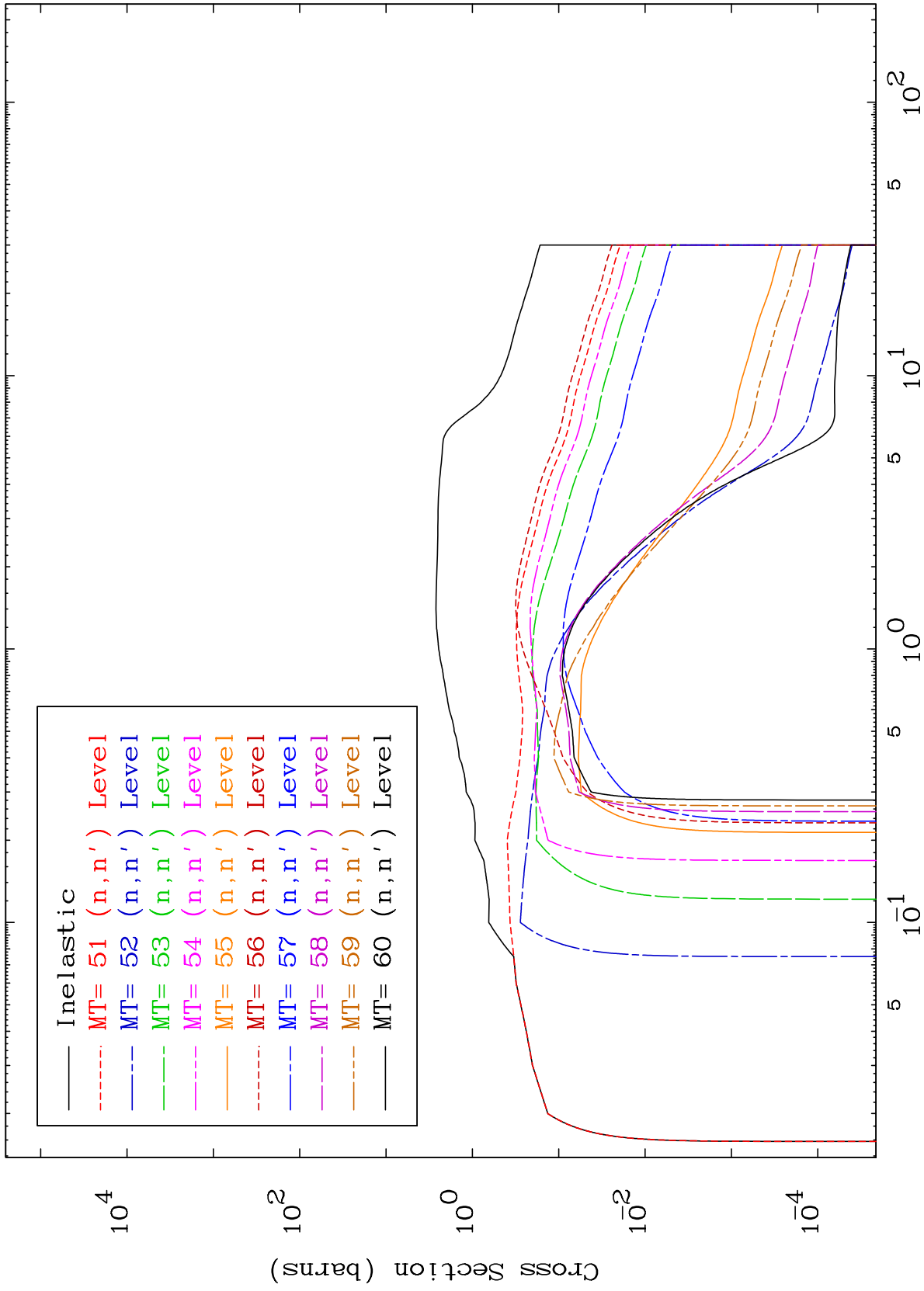
57-La-147



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Incident Energy (MeV)

57-La-147



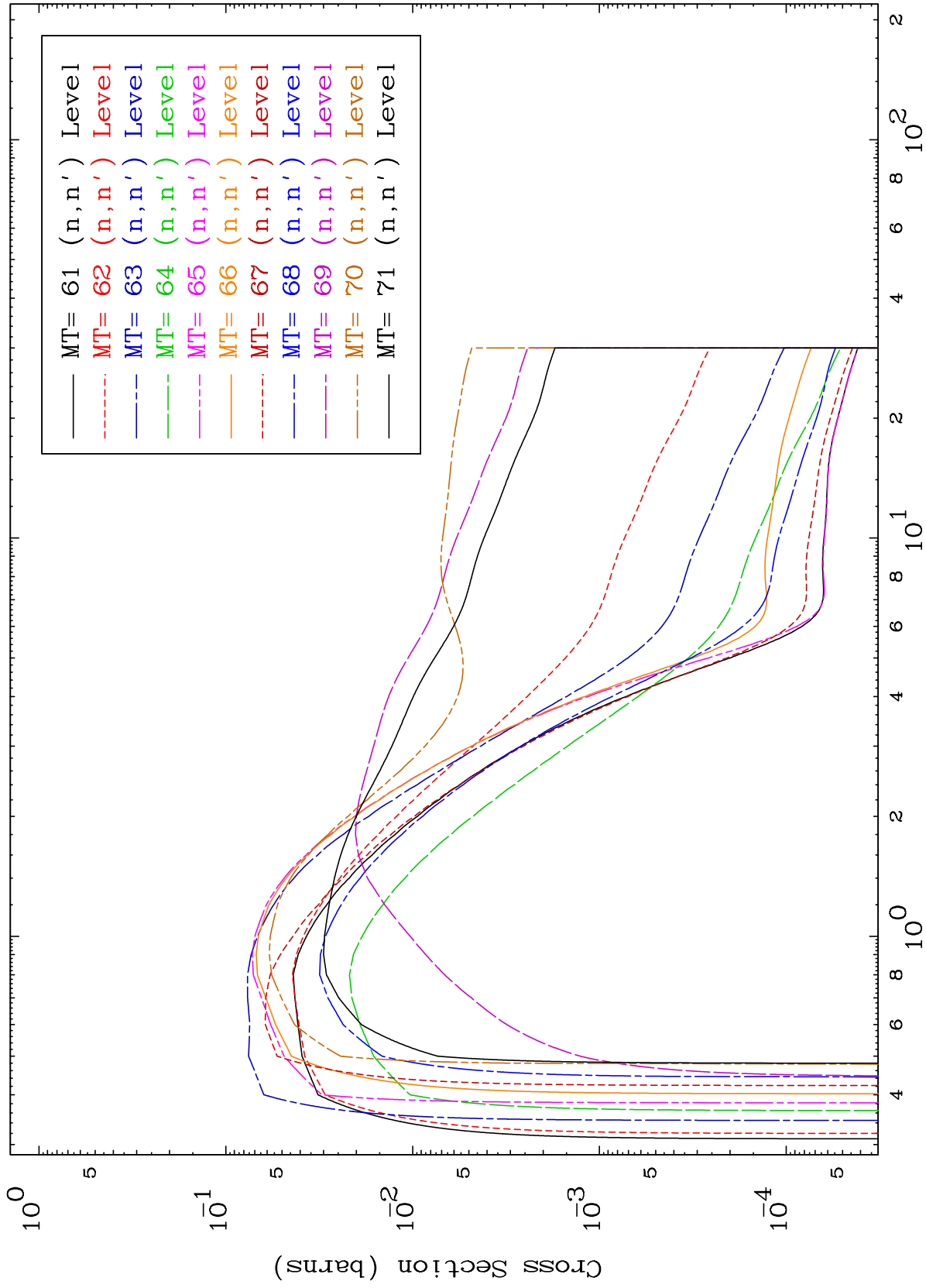


MAT 5752

(n,n') Level

57-La-147

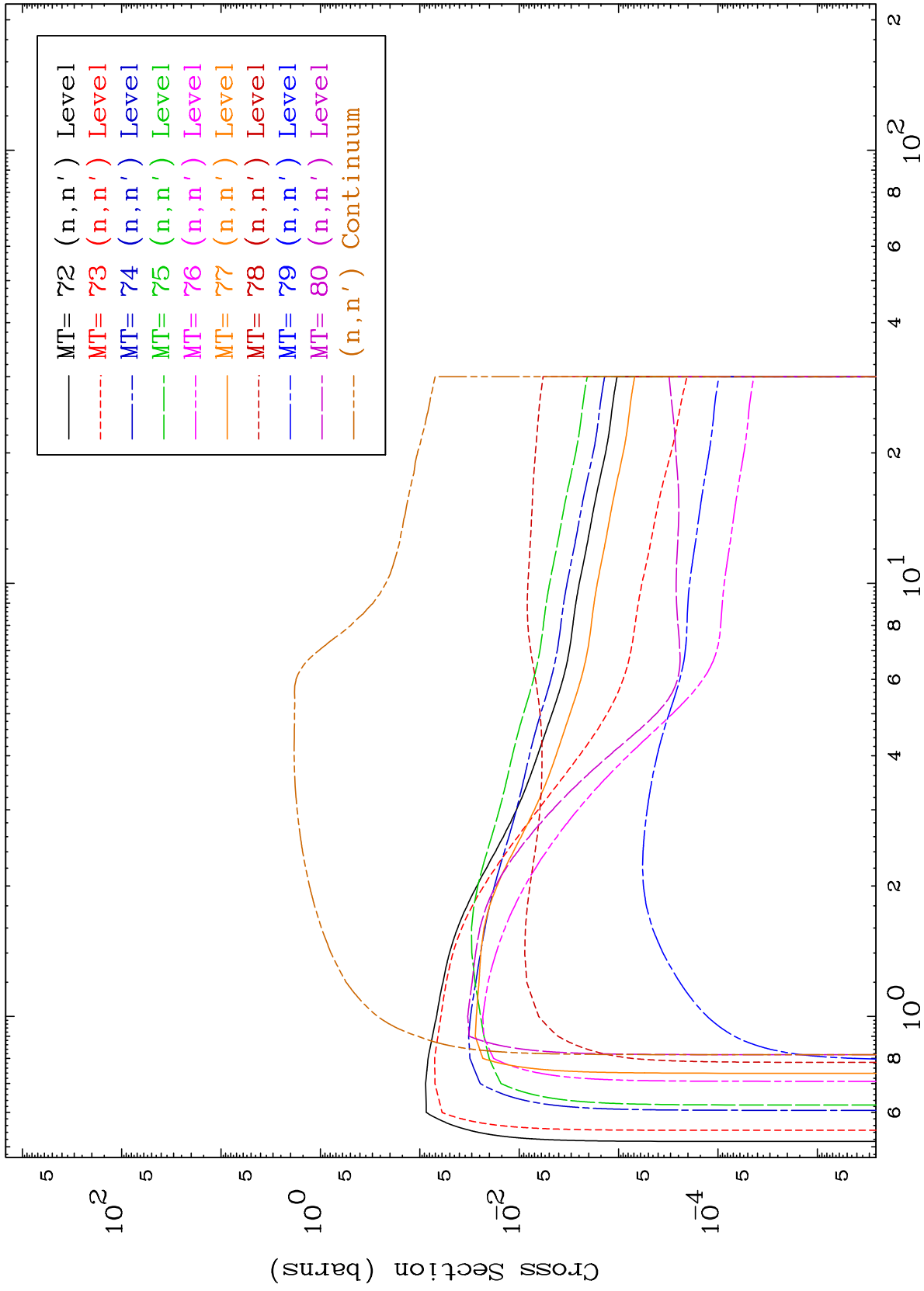
293 Kelvin Cross Sections



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Incident Energy (MeV)

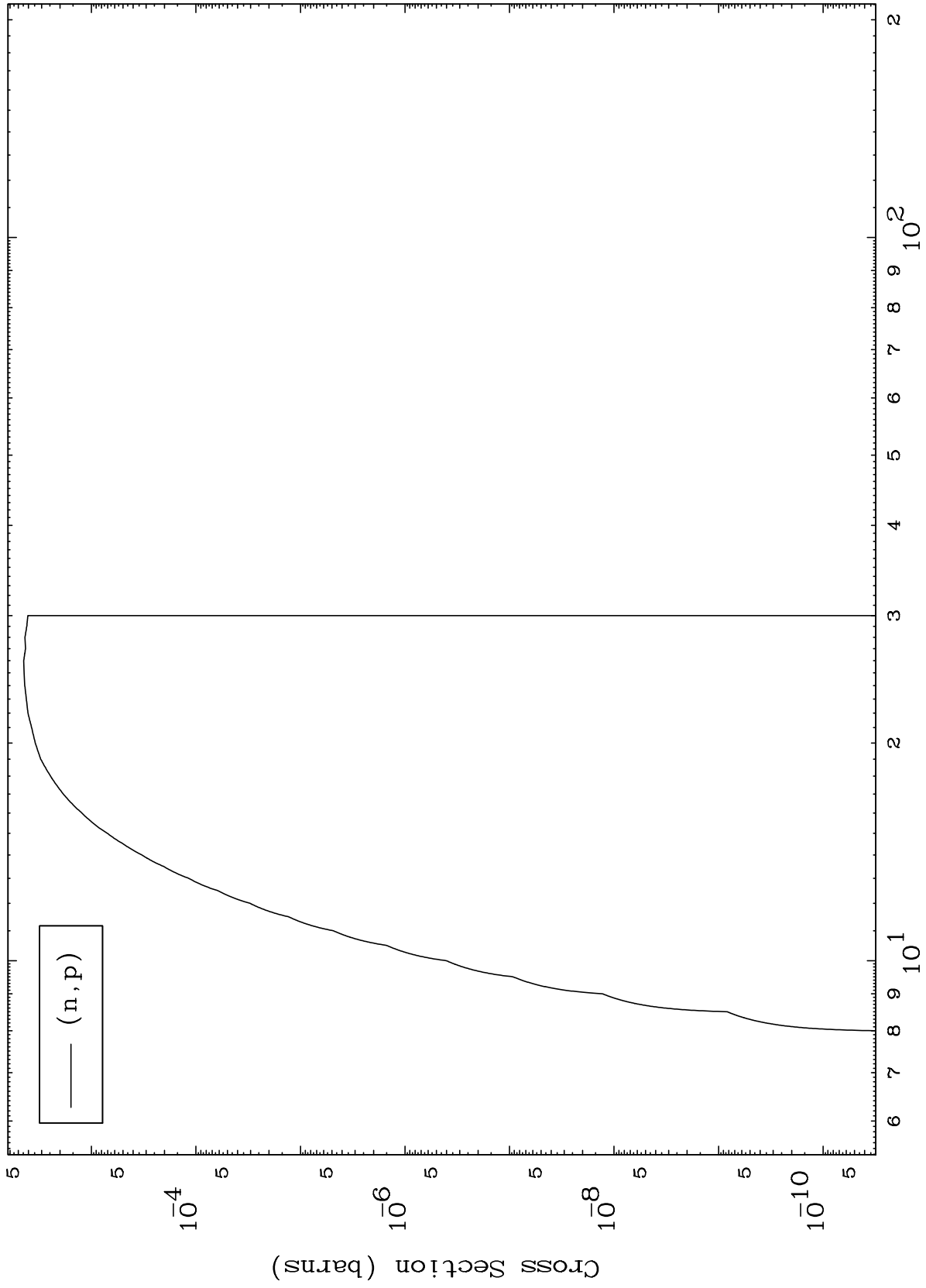
57-La-147



MAT 5752

(n,p) Levels  
293 Kelvin Cross Sections

57-La-147



10

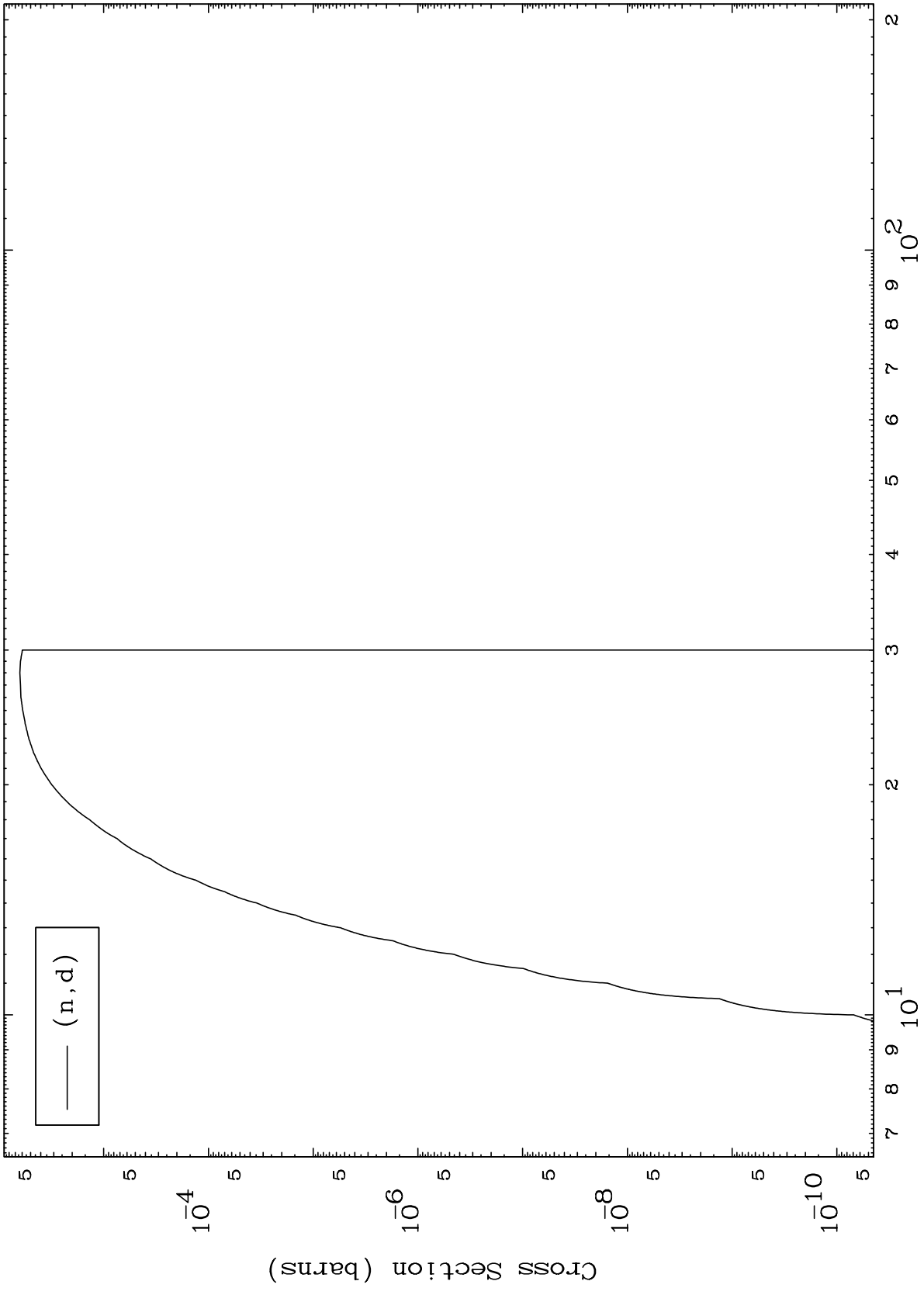
Incident Energy (MeV)

57-La-147

MAT 5752

(n,d) Levels  
293 Kelvin Cross Sections

57-La-147



11

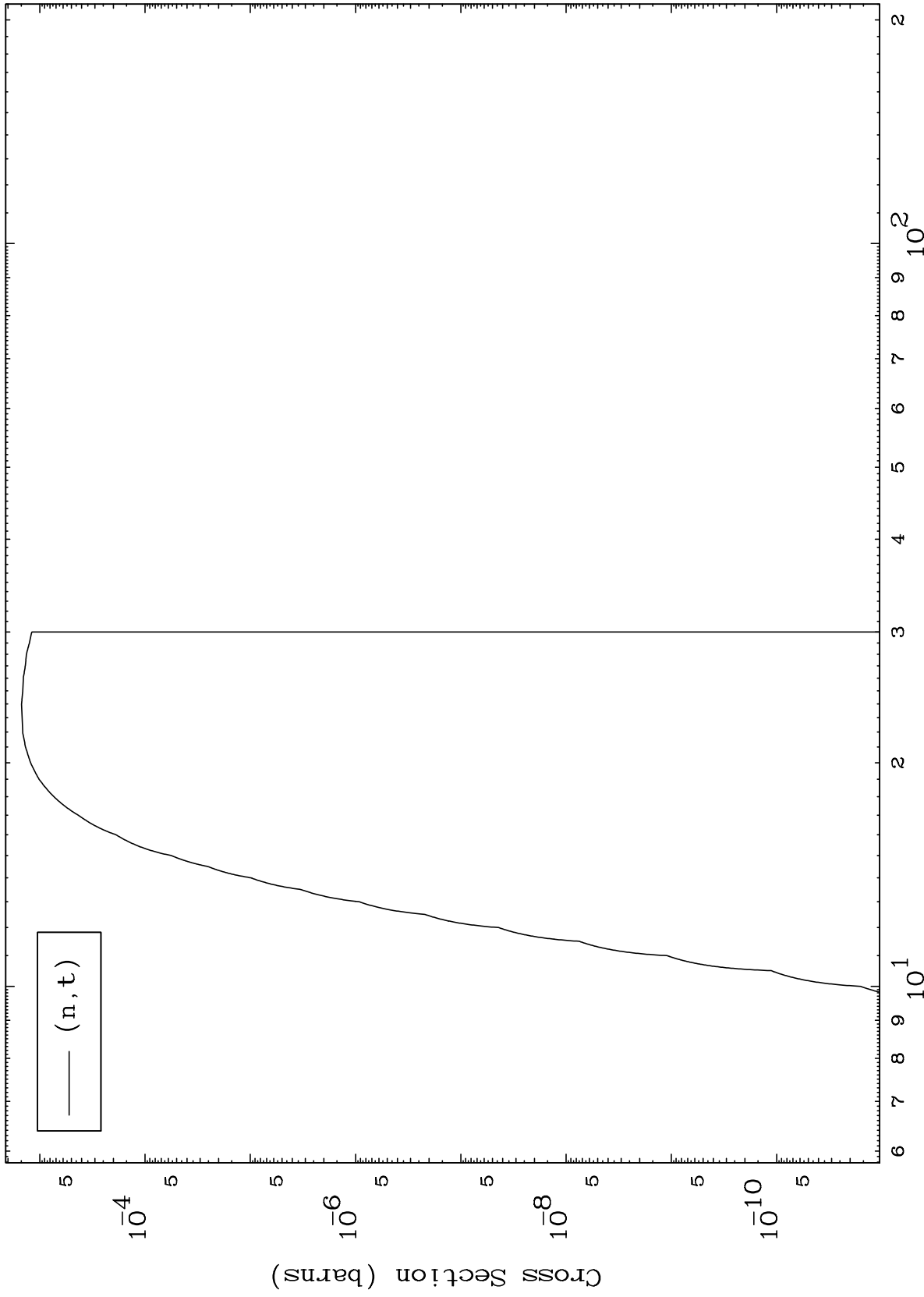
Incident Energy (MeV)

57-La-147

MAT 5752

(n,t) Levels  
293 Kelvin Cross Sections

57-La-147



12

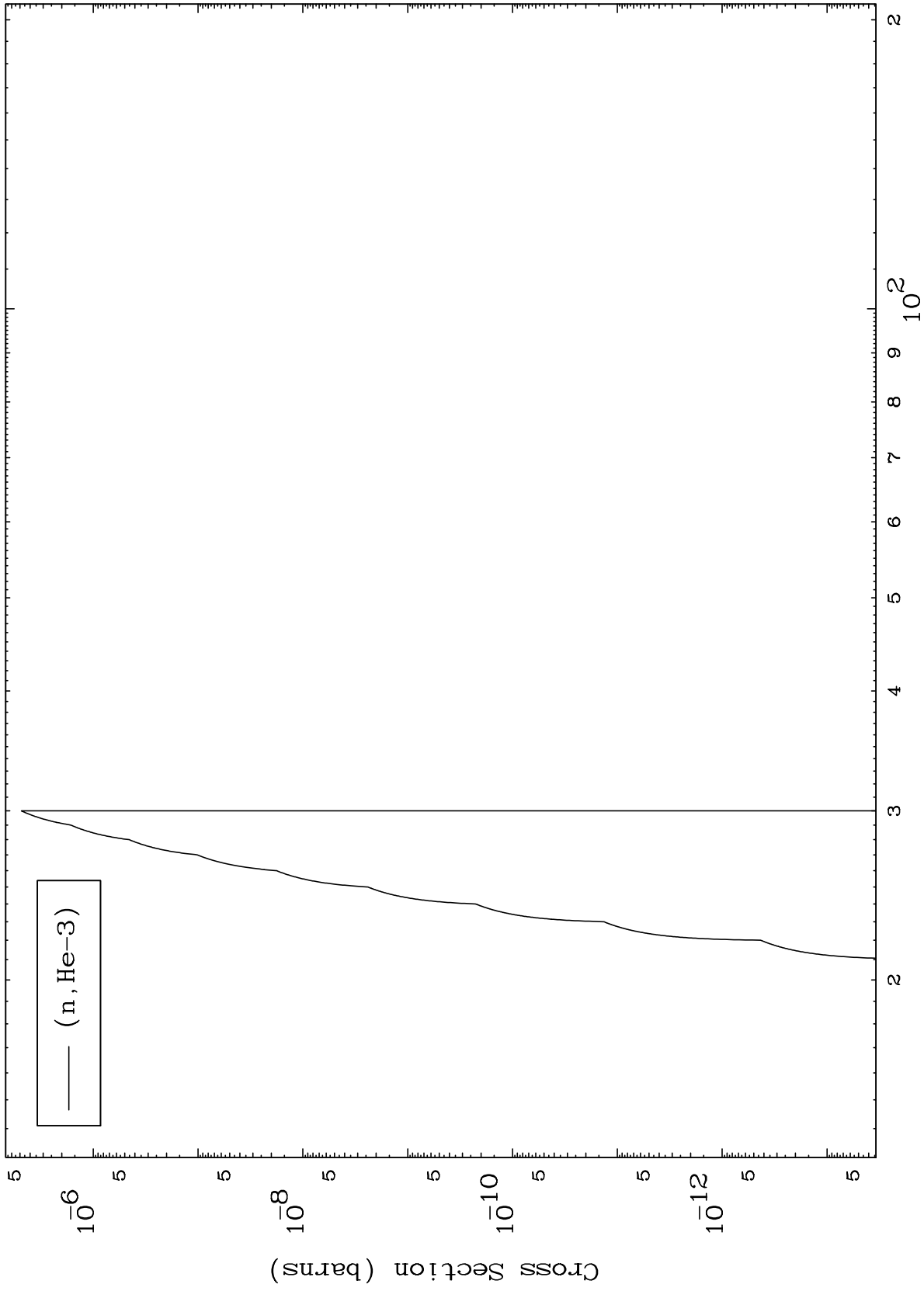
Incident Energy (MeV)

57-La-147

MAT 5752

(n,He3) Levels  
293 Kelvin Cross Sections

57-La-147



13

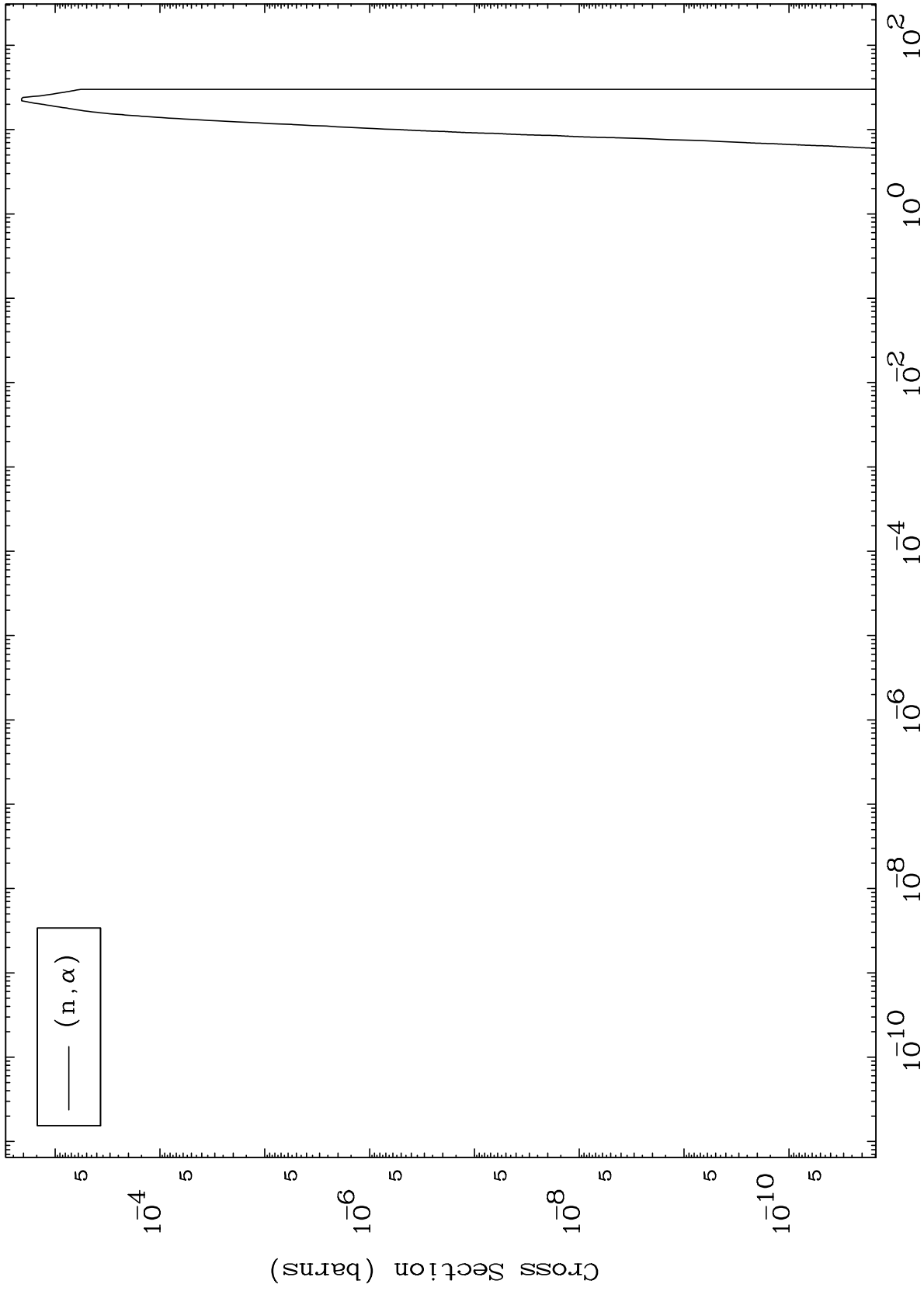
Incident Energy (MeV)

57-La-147

MAT 5752

(n,α) Levels  
293 Kelvin Cross Sections

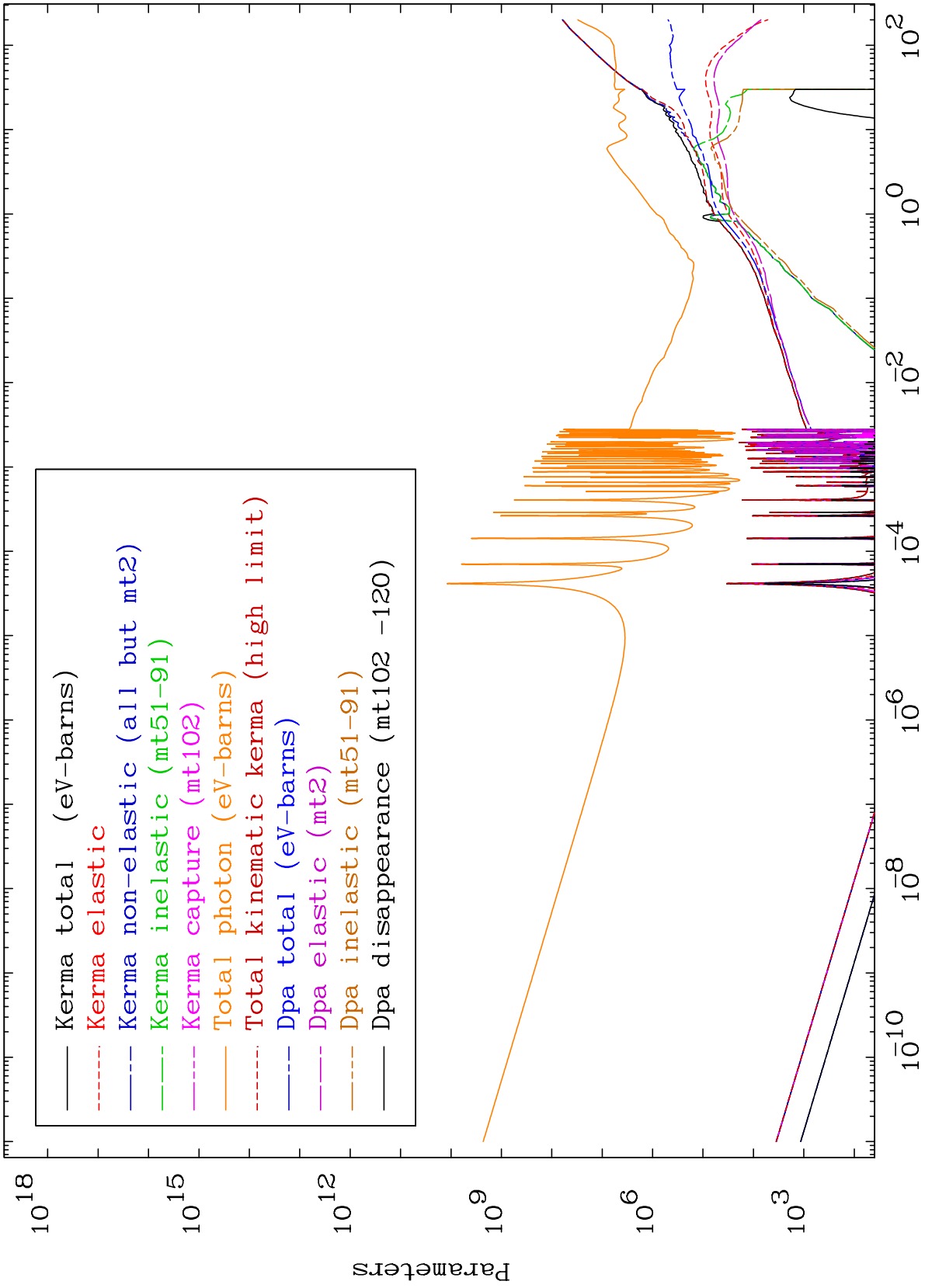
57-La-147



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Incident Energy (MeV)

57-La-147

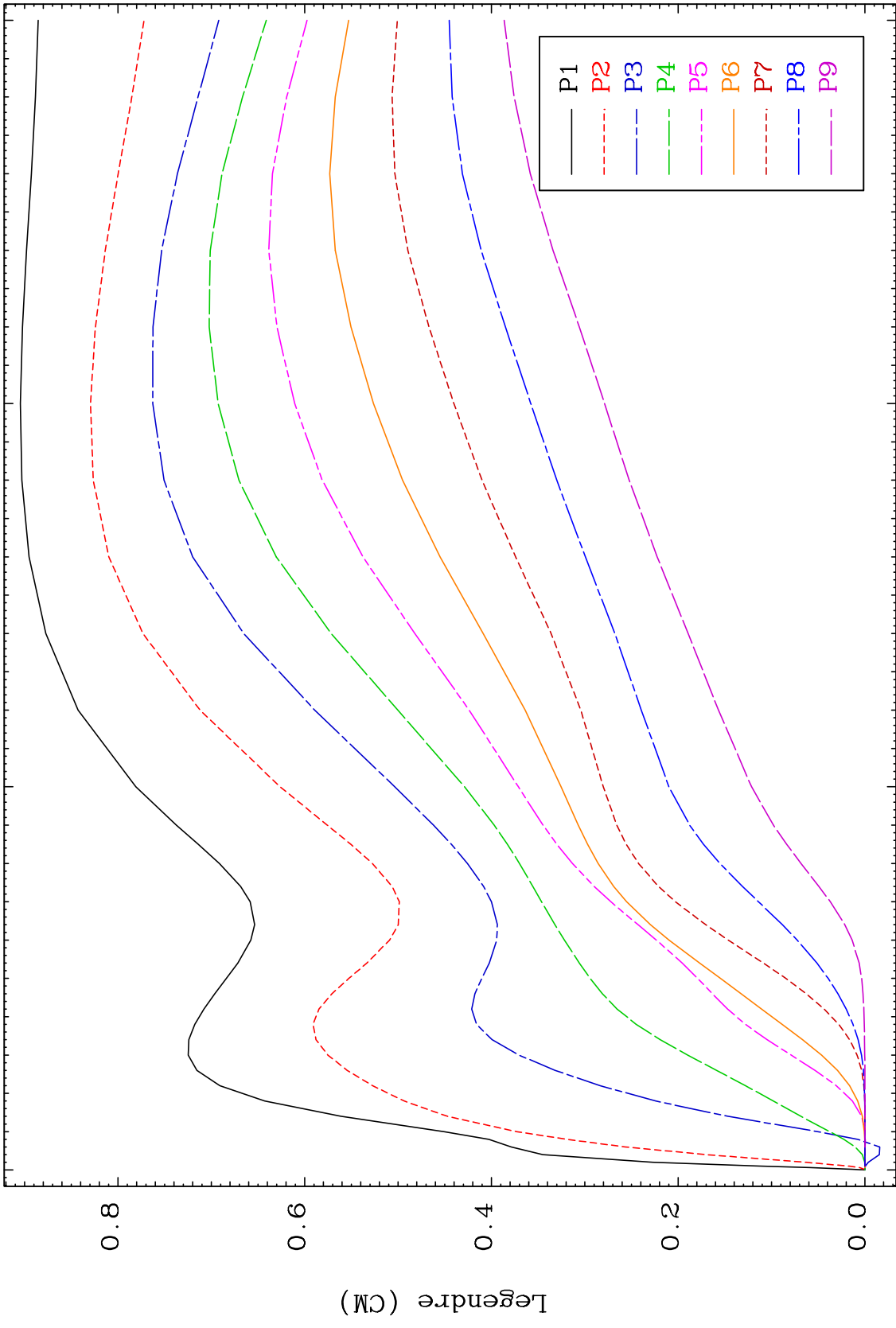




MAT 5752

Elastic Legendre Coefficients

57-La-147



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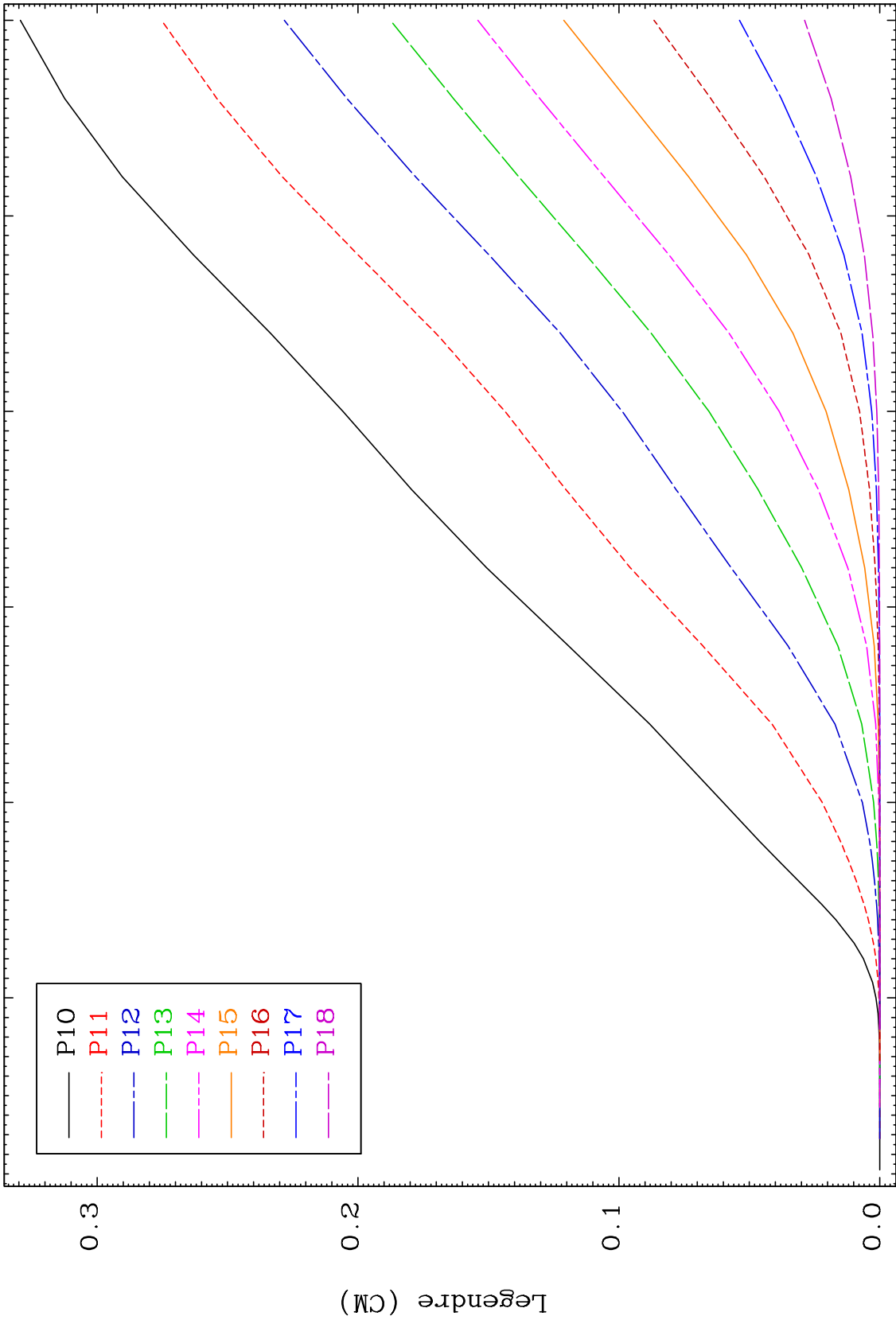
Incident Energy (MeV)

57-La-147

MAT 5752

Elastic Legendre Coefficients

57-La-147



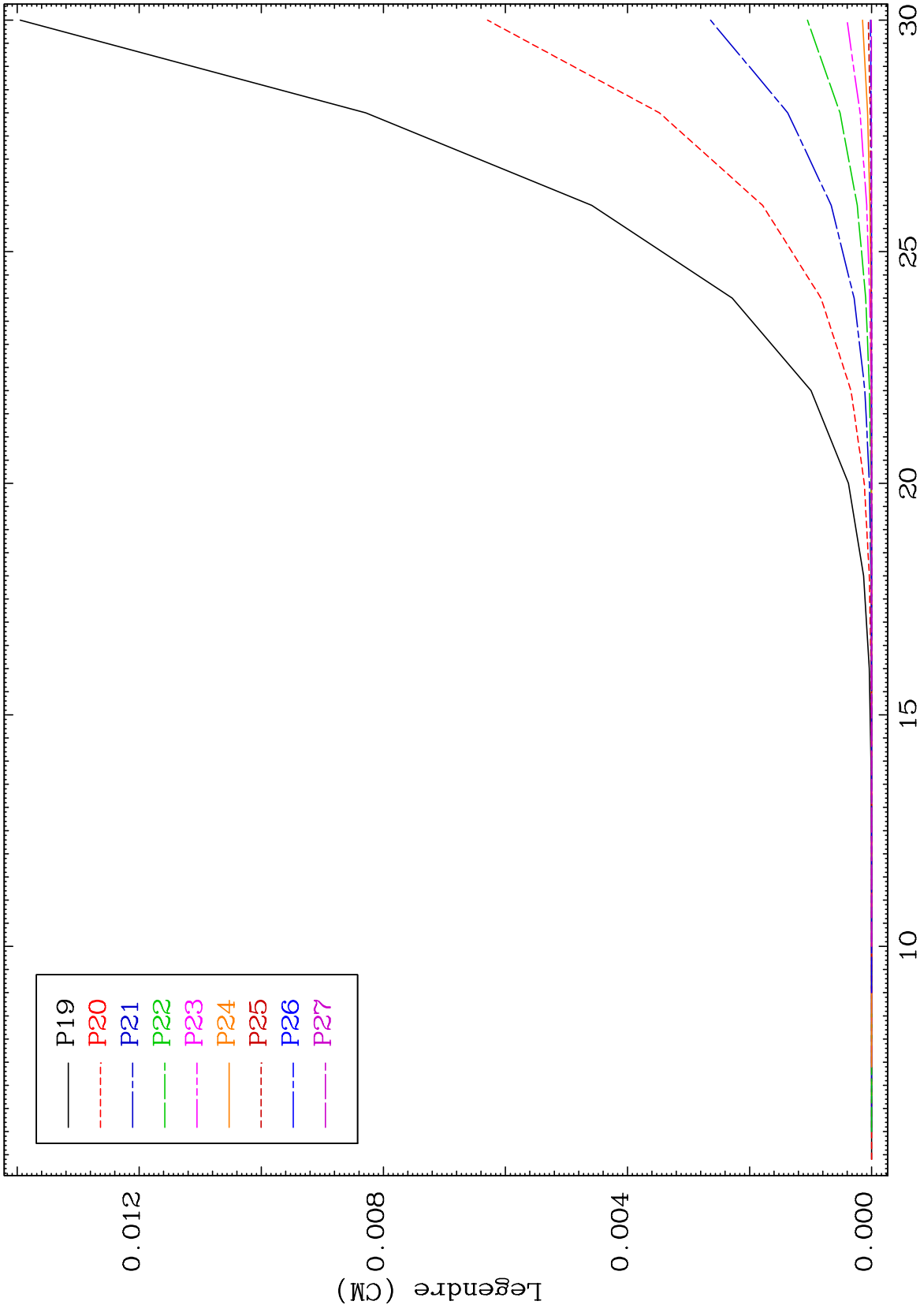
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57-La-147

MAT 5752

### Elastic Legendre Coefficients

57-La-147



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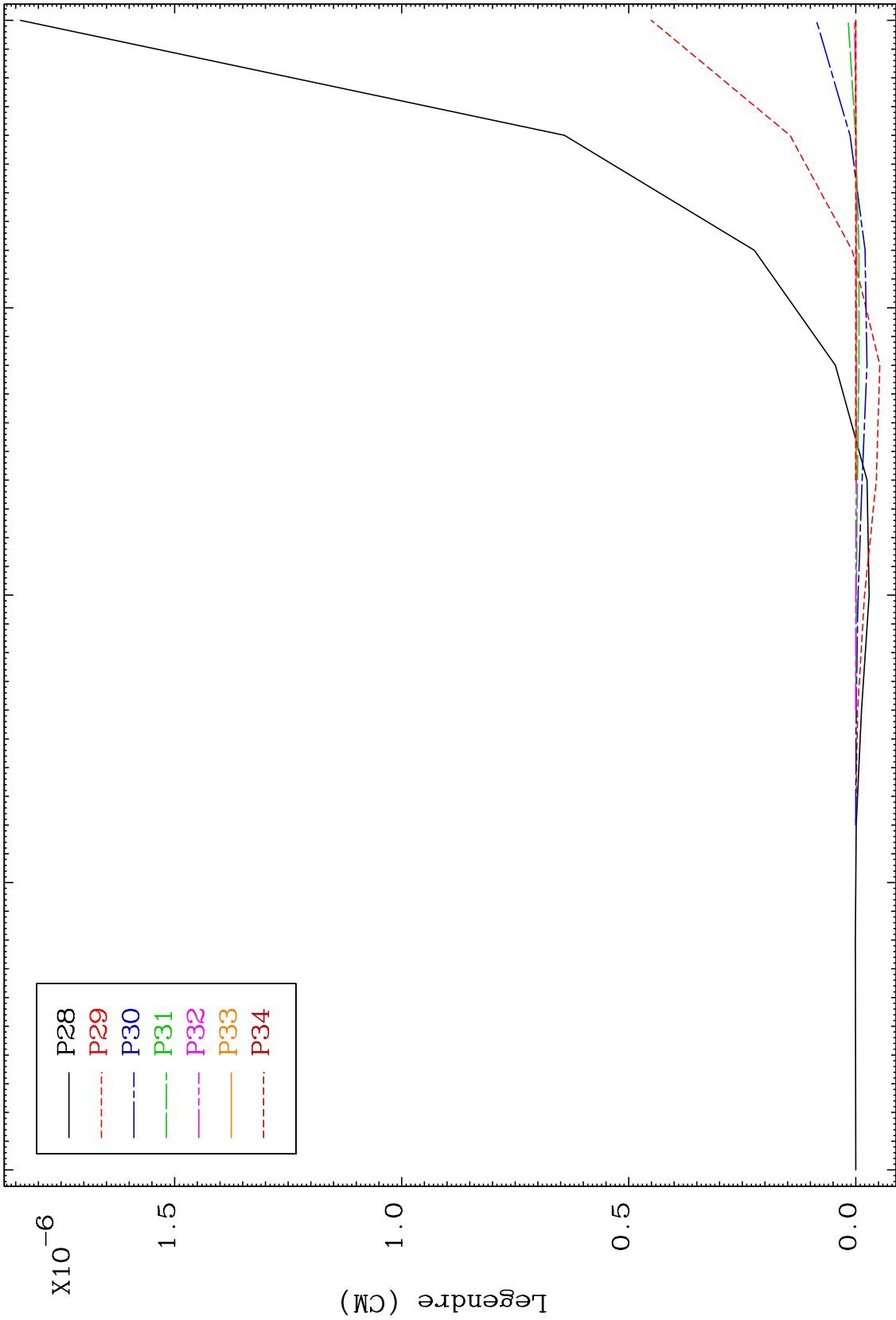
Incident Energy (MeV)

57-La-147

MAT 5752

Elastic Legendre Coefficients

57-La-147



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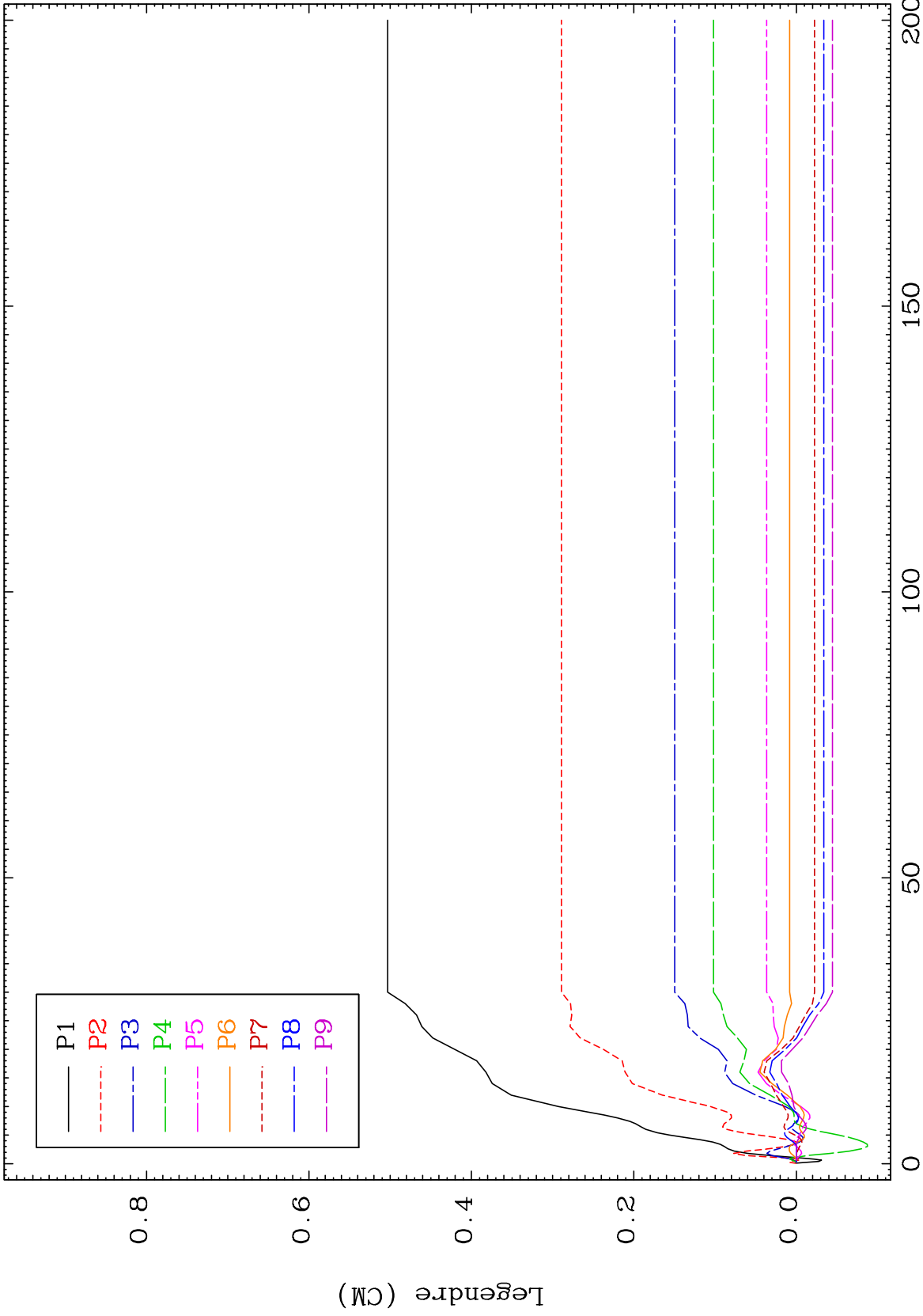
Incident Energy (MeV)

57-La-147

MAT 5752

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

57-La-147



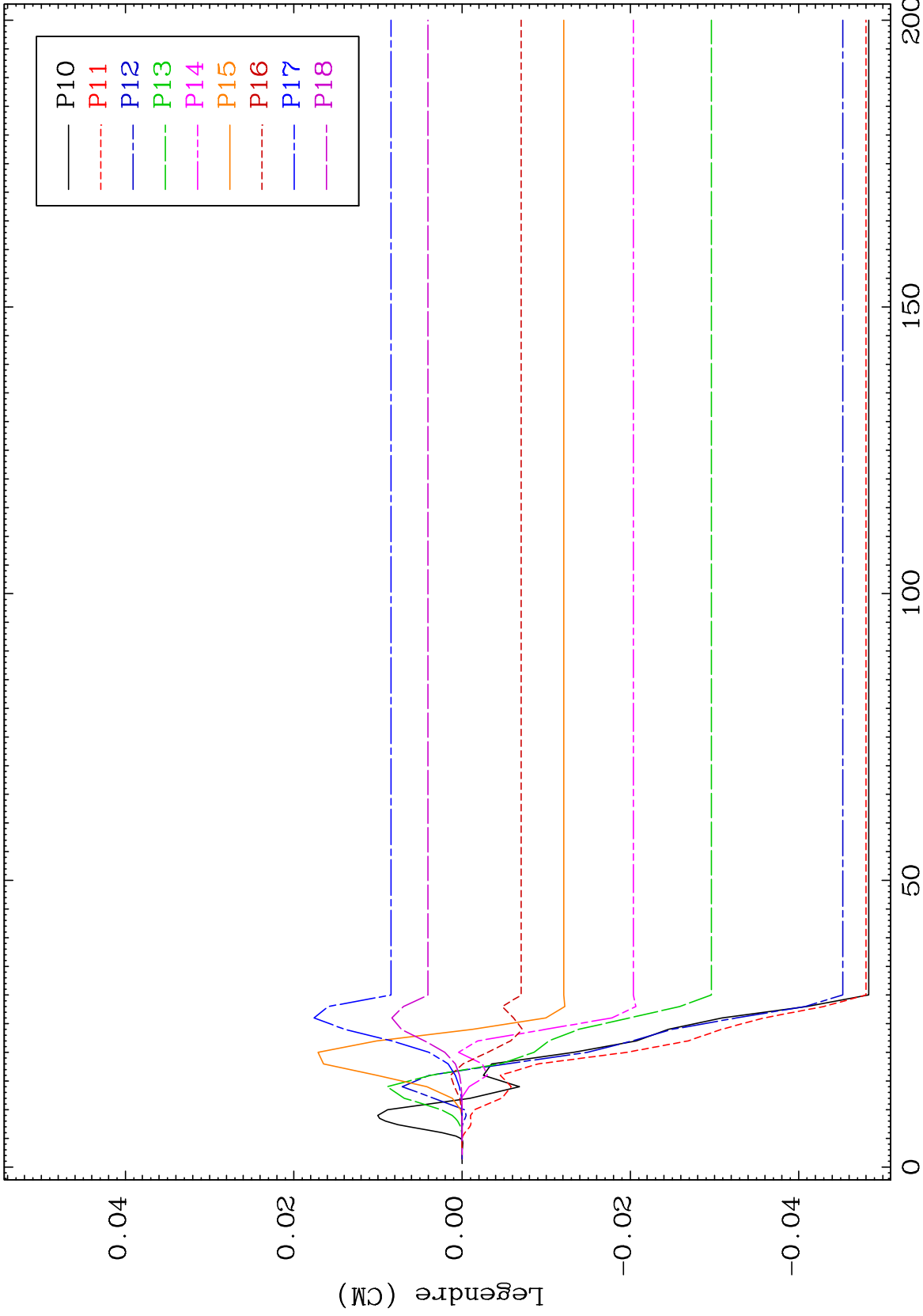
57-La-147

Incident Energy (MeV)

MAT 5752

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

57-La-147



21

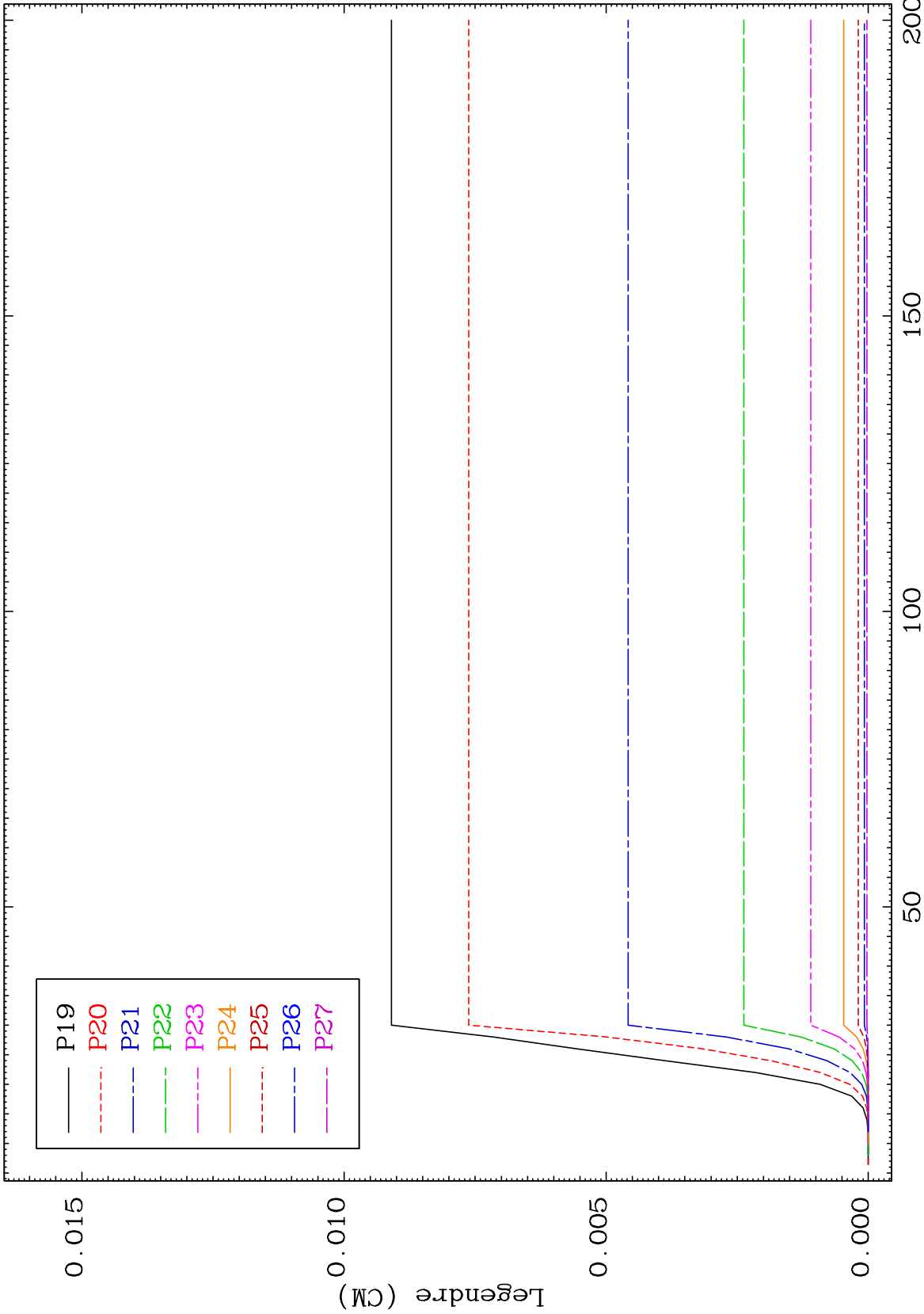
Incident Energy (MeV)

57-La-147

MAT 5752

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

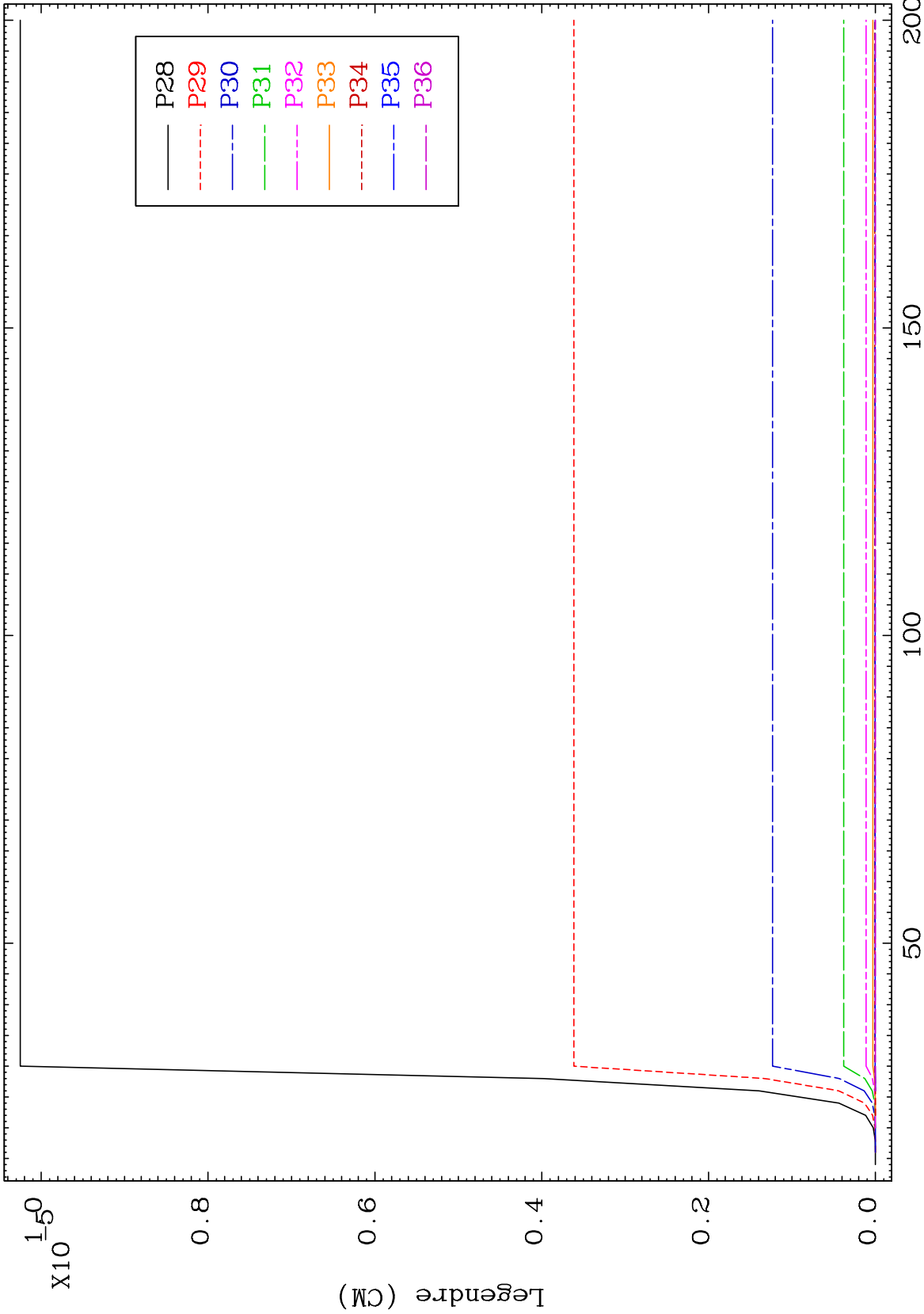
57-La-147



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Incident Energy (MeV)

57-La-147

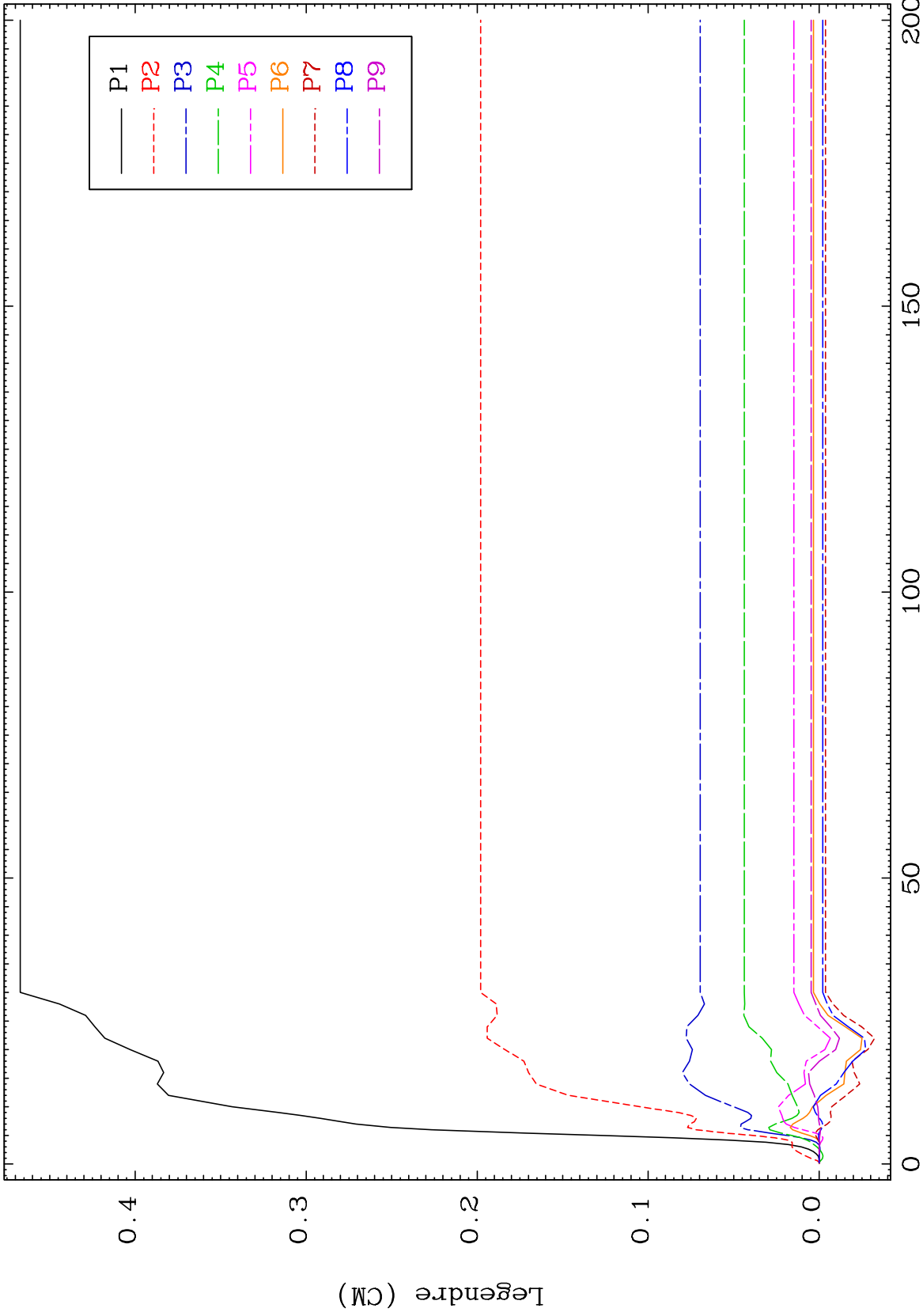




MAT 5752

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

57-La-147



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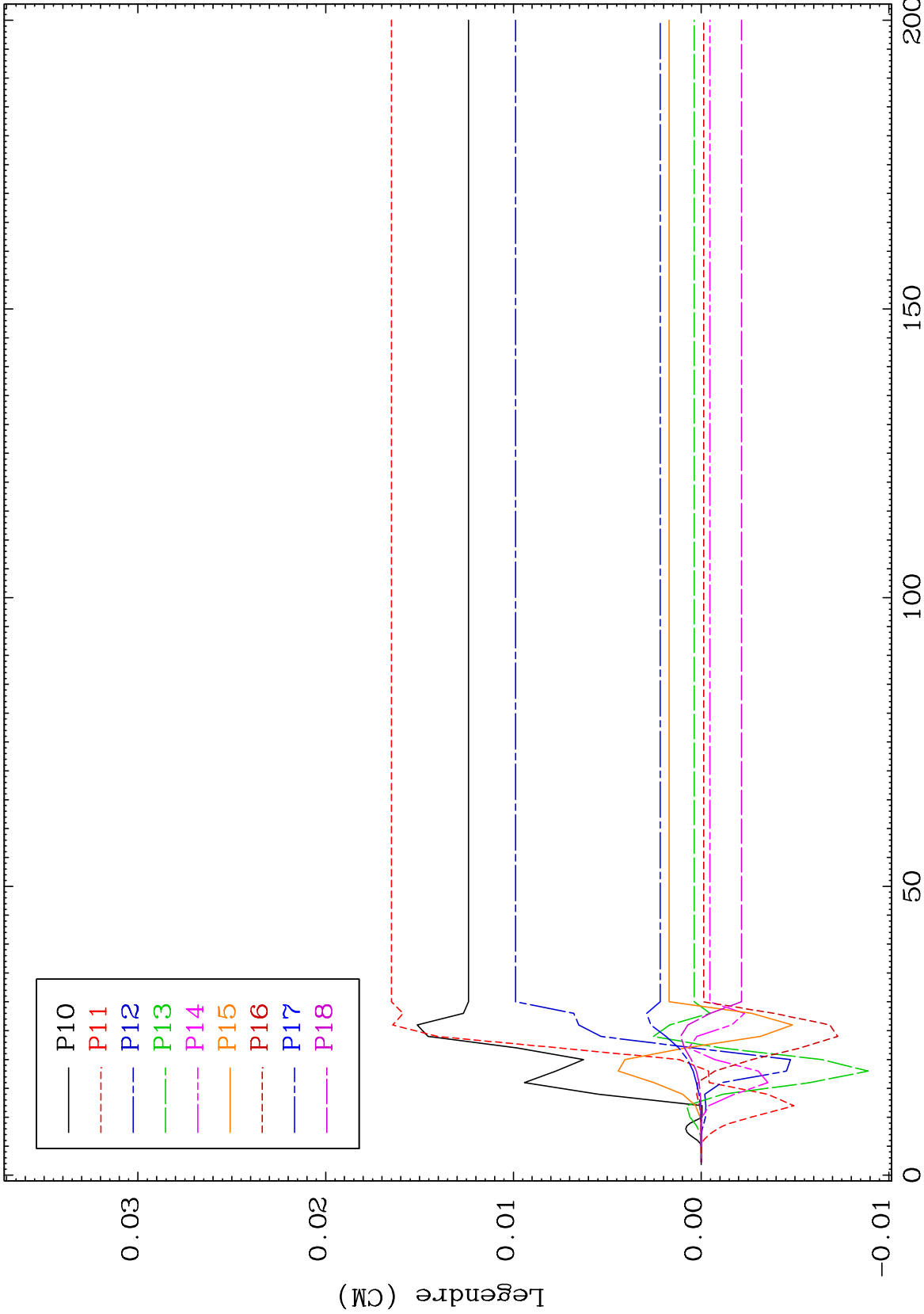
Incident Energy (MeV)

57-La-147

MAT 5752

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

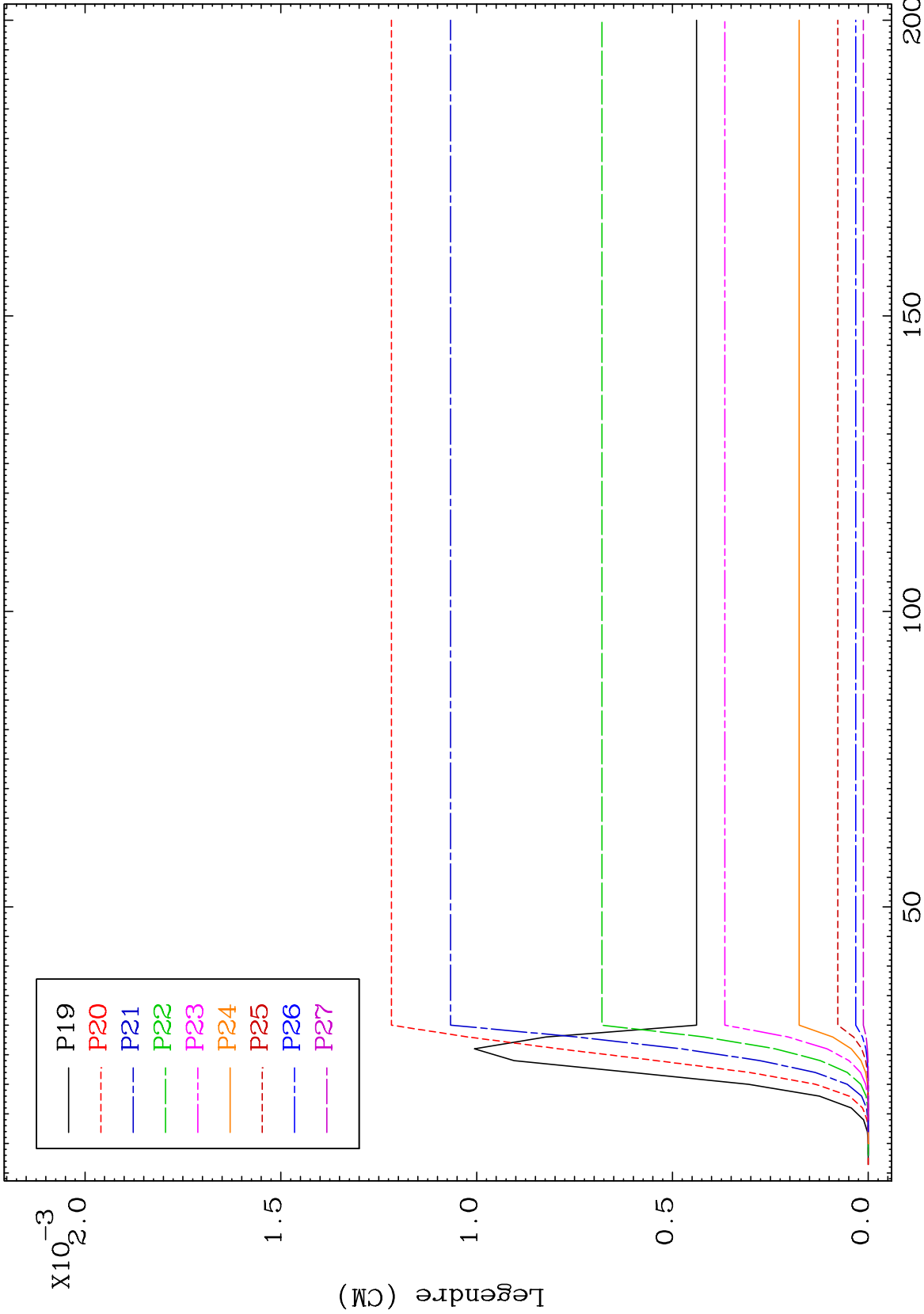
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Incident Energy (MeV)

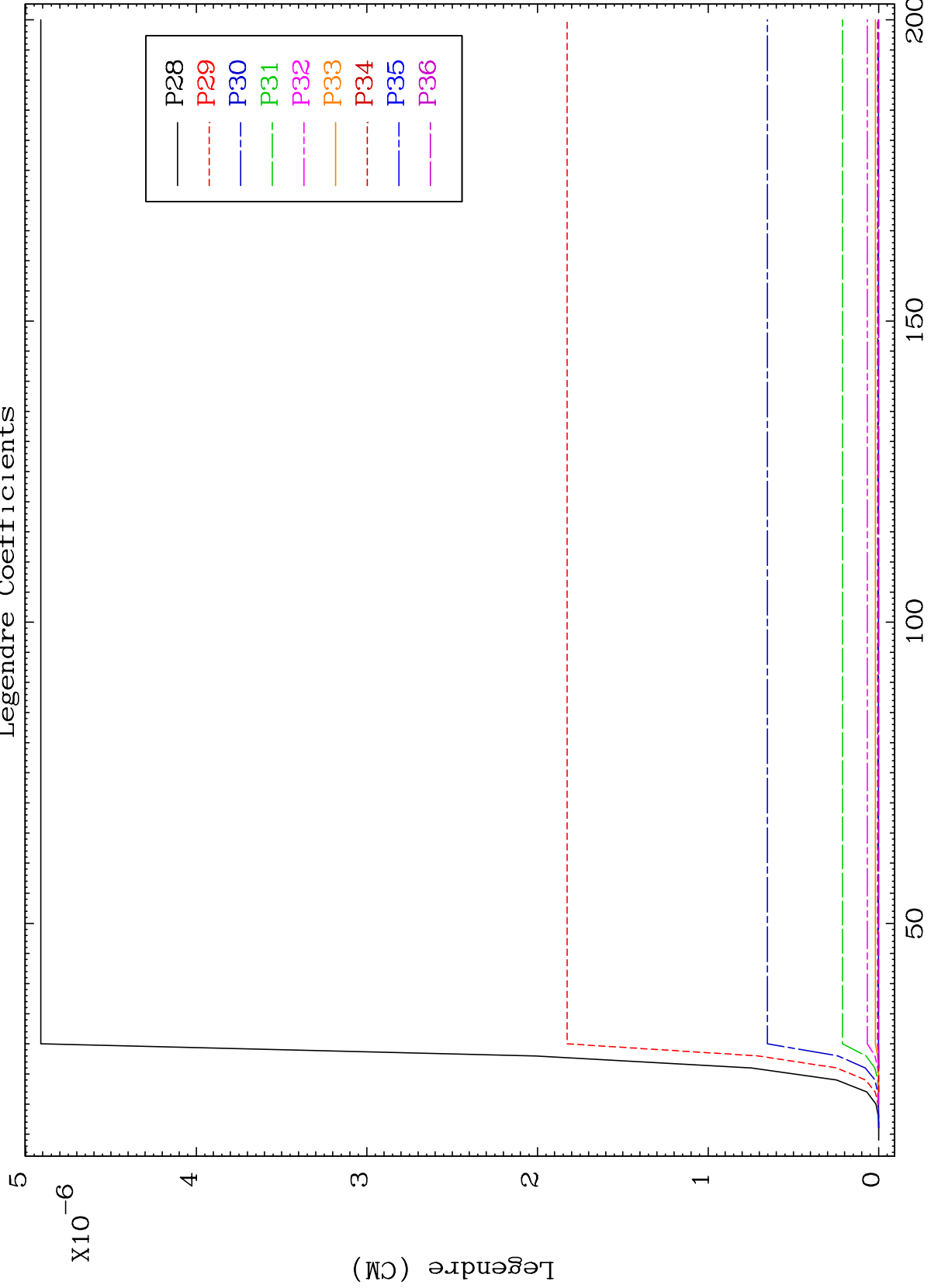
57-La-147



MAT 5752

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

57-La-147



27

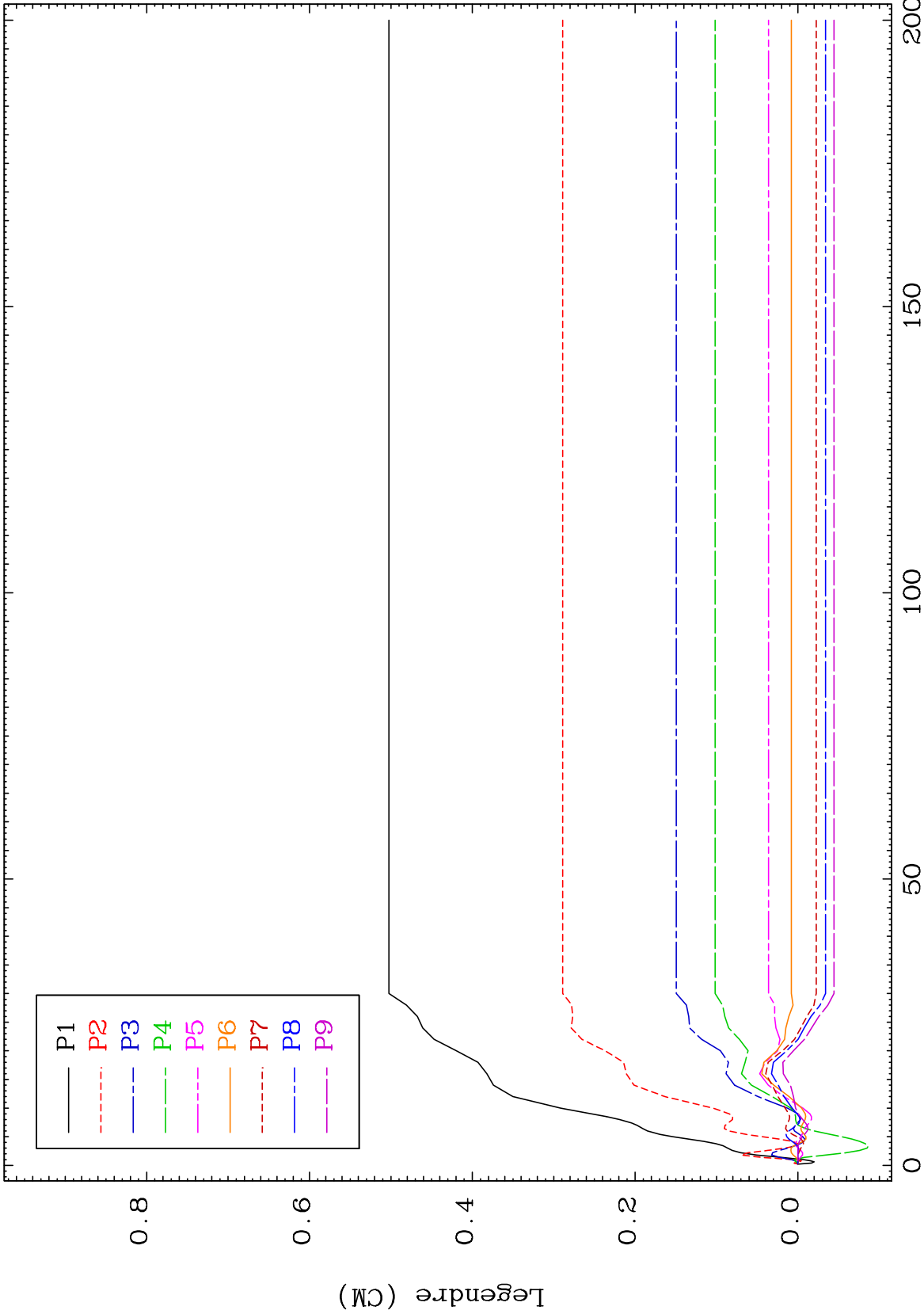
Incident Energy (MeV)

57-La-147

MAT 5752

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

57-La-147



28

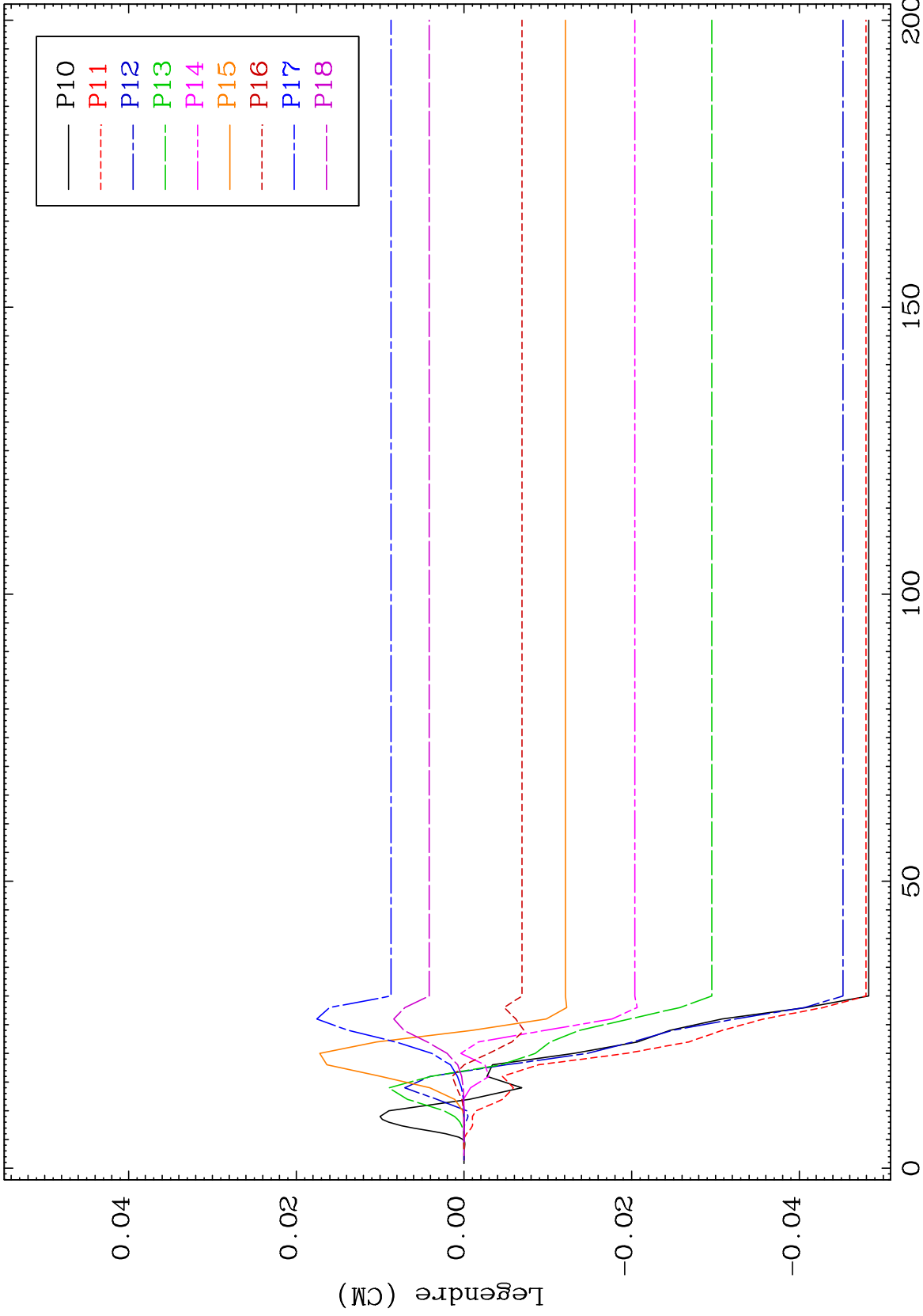
Incident Energy (MeV)

57-La-147

MAT 5752

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

57-La-147



29

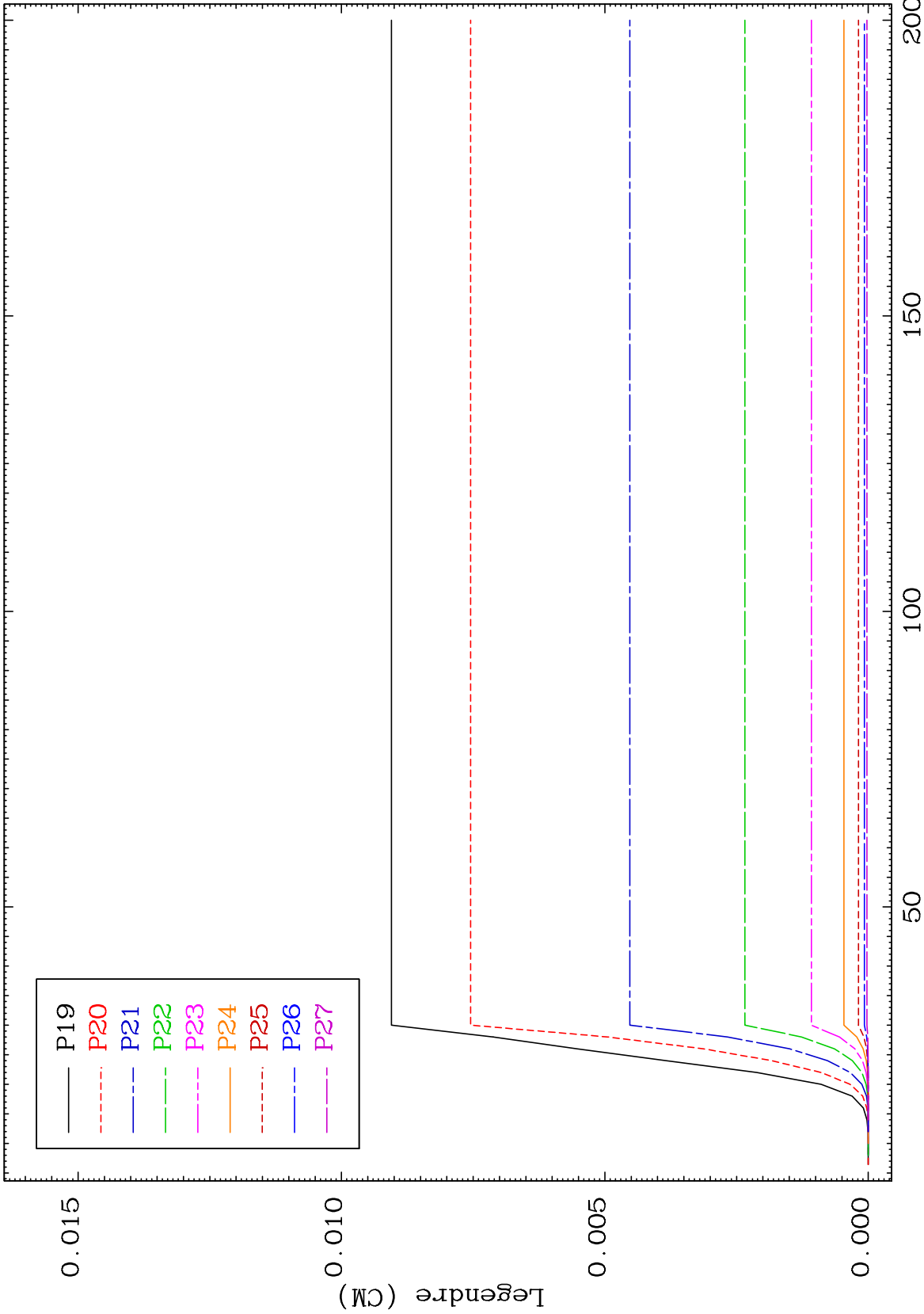
Incident Energy (MeV)

57-La-147

MAT 5752

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

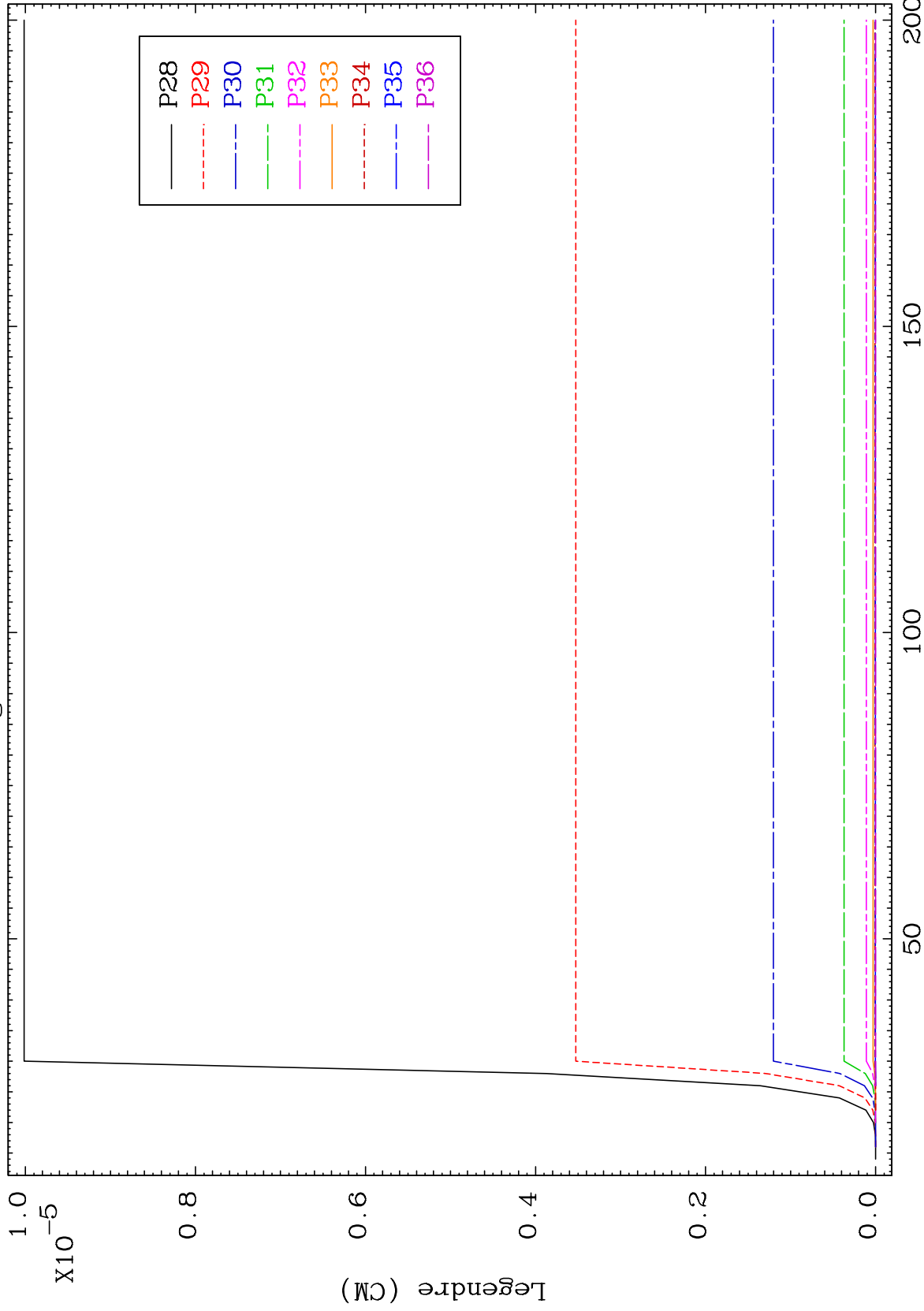
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Incident Energy (MeV)

57-La-147

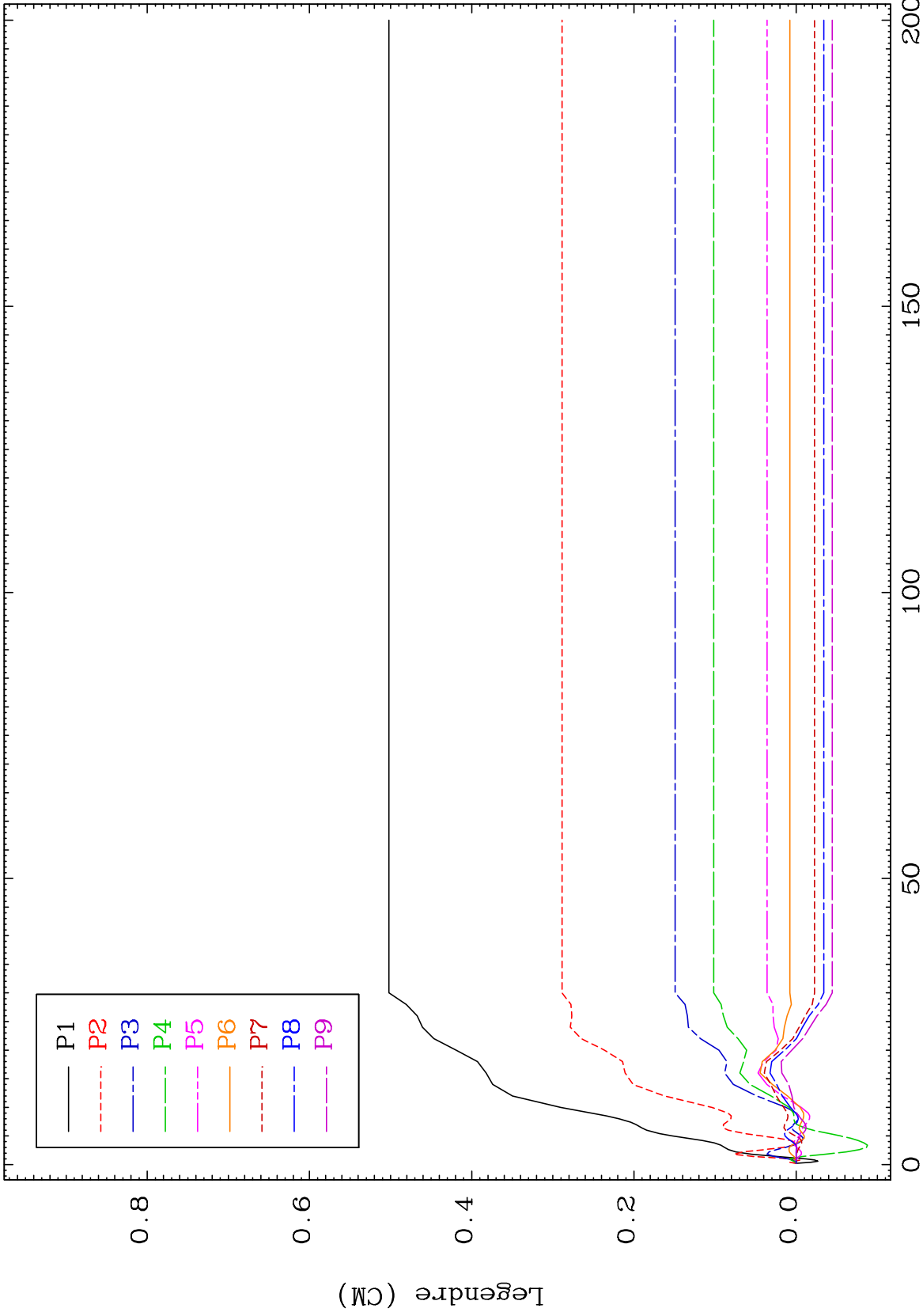




MAT 5752

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

57-La-147



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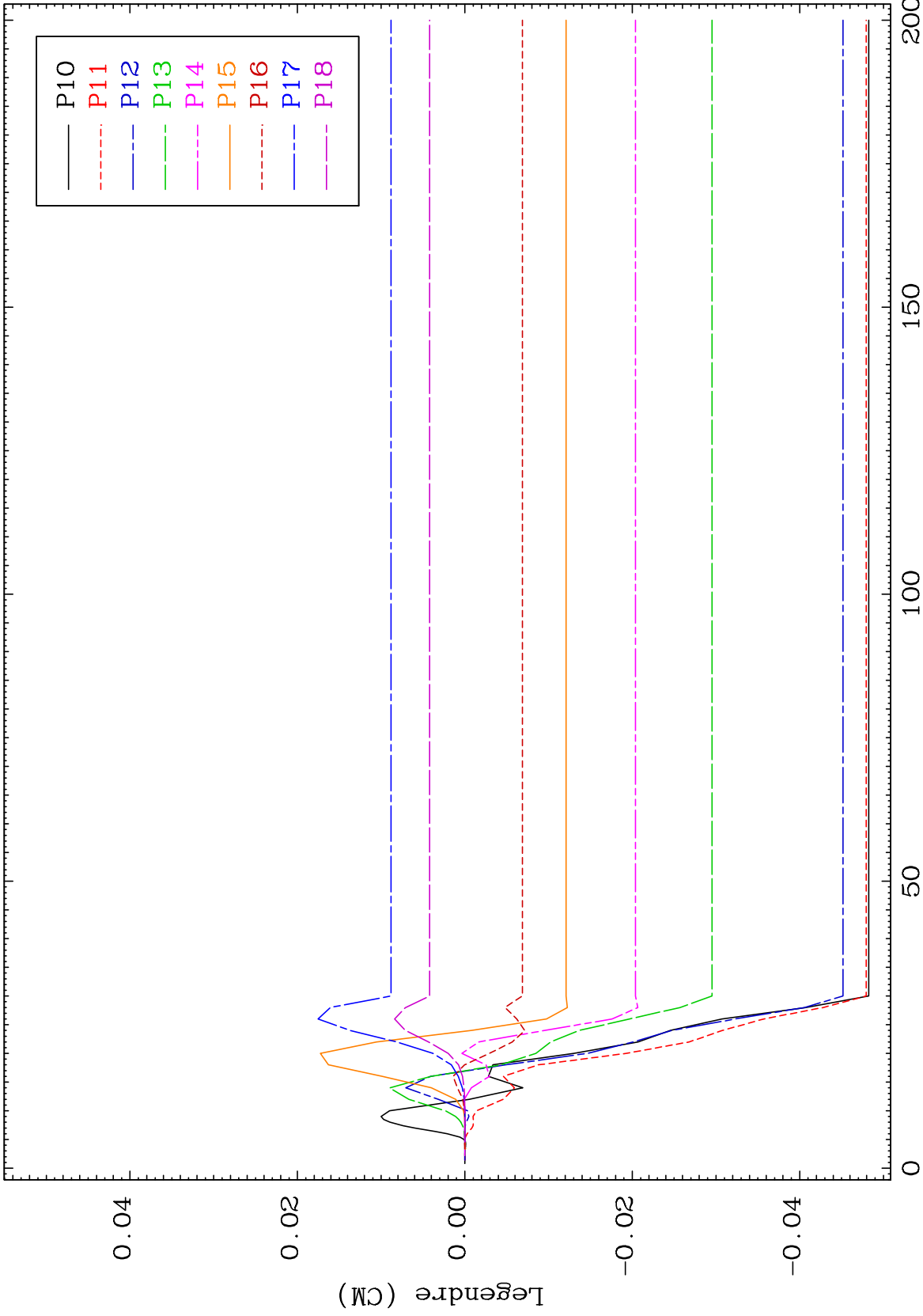
Incident Energy (MeV)

57-La-147

MAT 5752

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

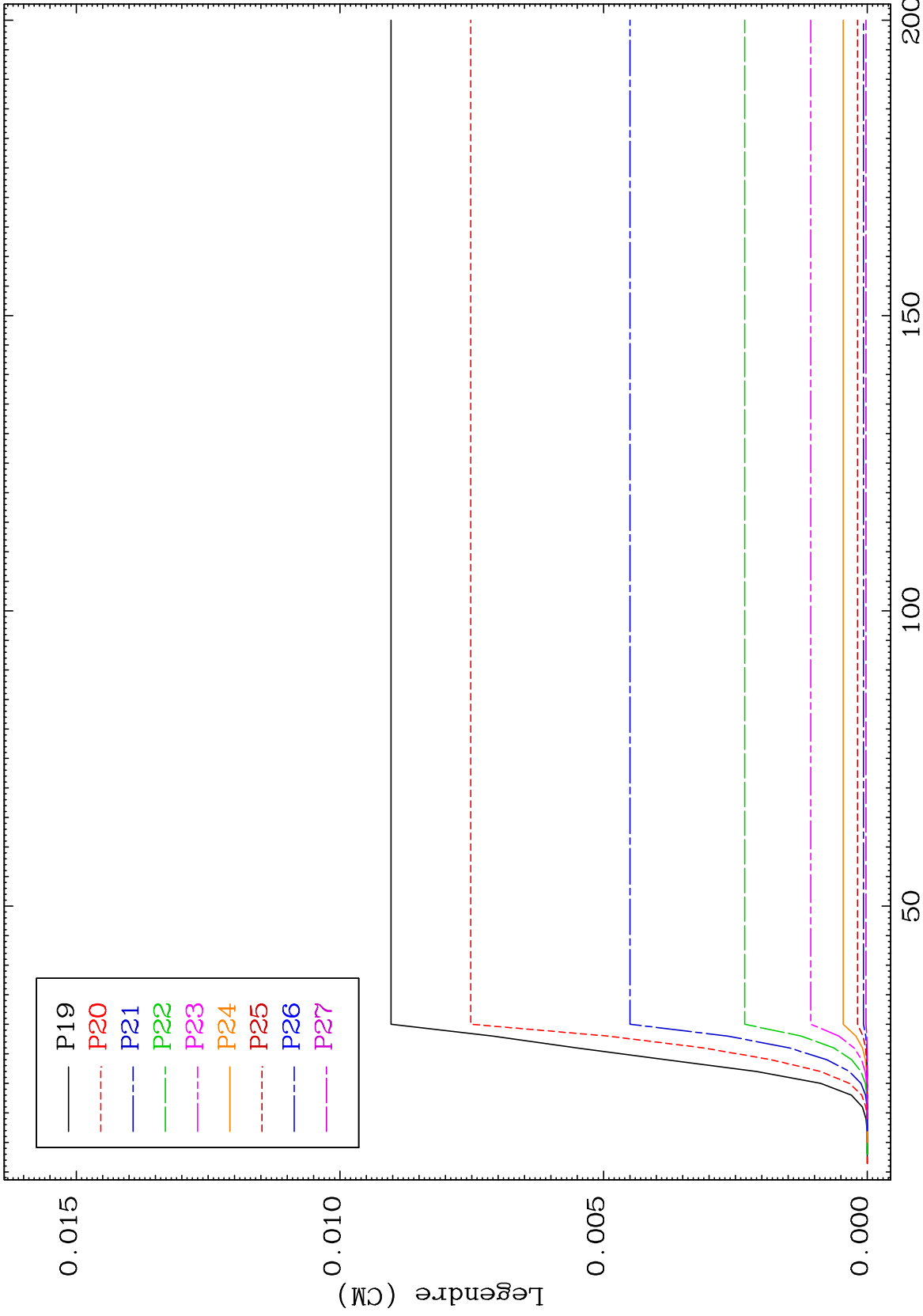
57-La-147



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Incident Energy (MeV)

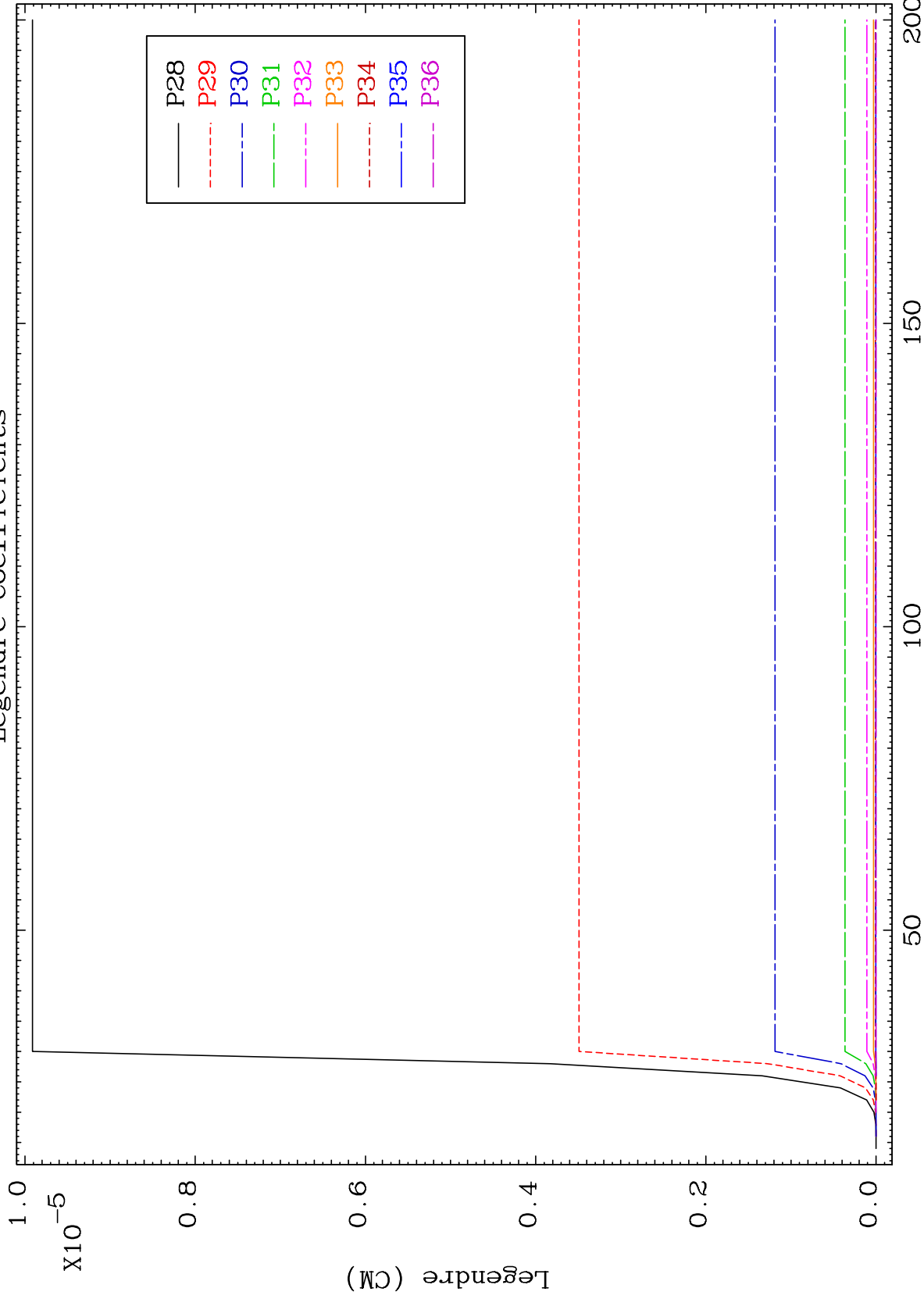
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MAT 5752

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

57-La-147



35

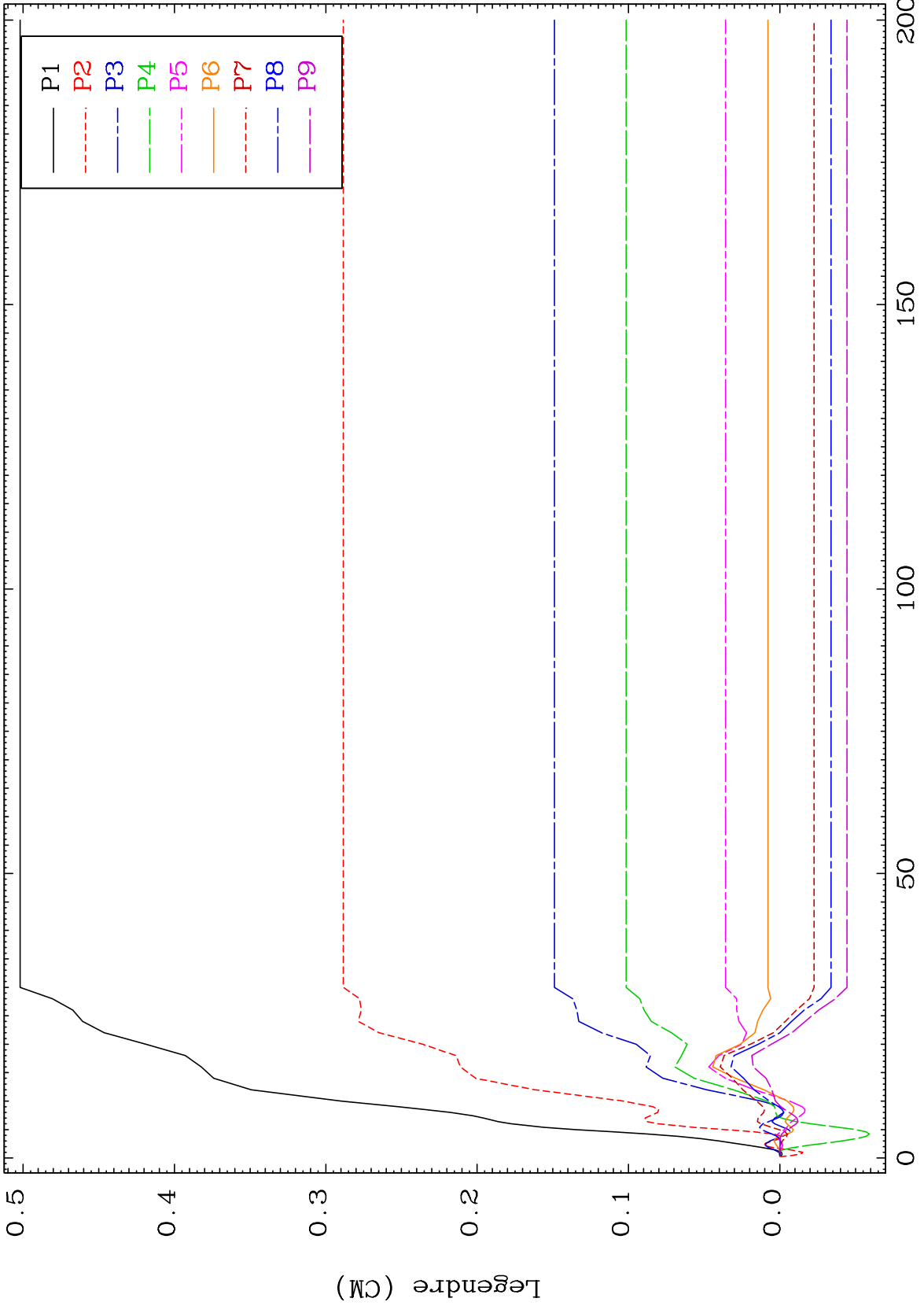
Incident Energy (MeV)

57-La-147

MAT 5752

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

57-La-147



36

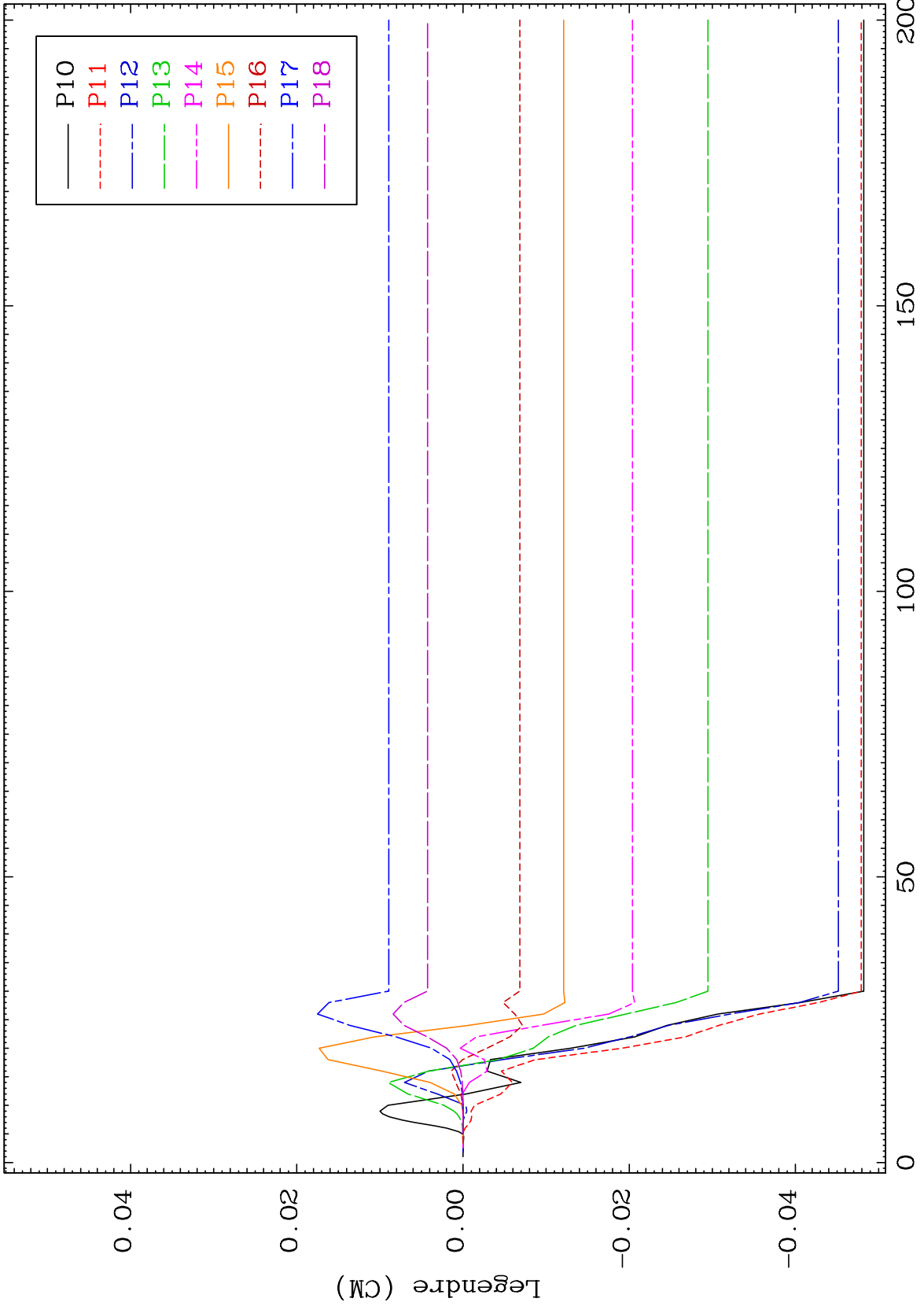
Incident Energy (MeV)

57-La-147

MAT 5752

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

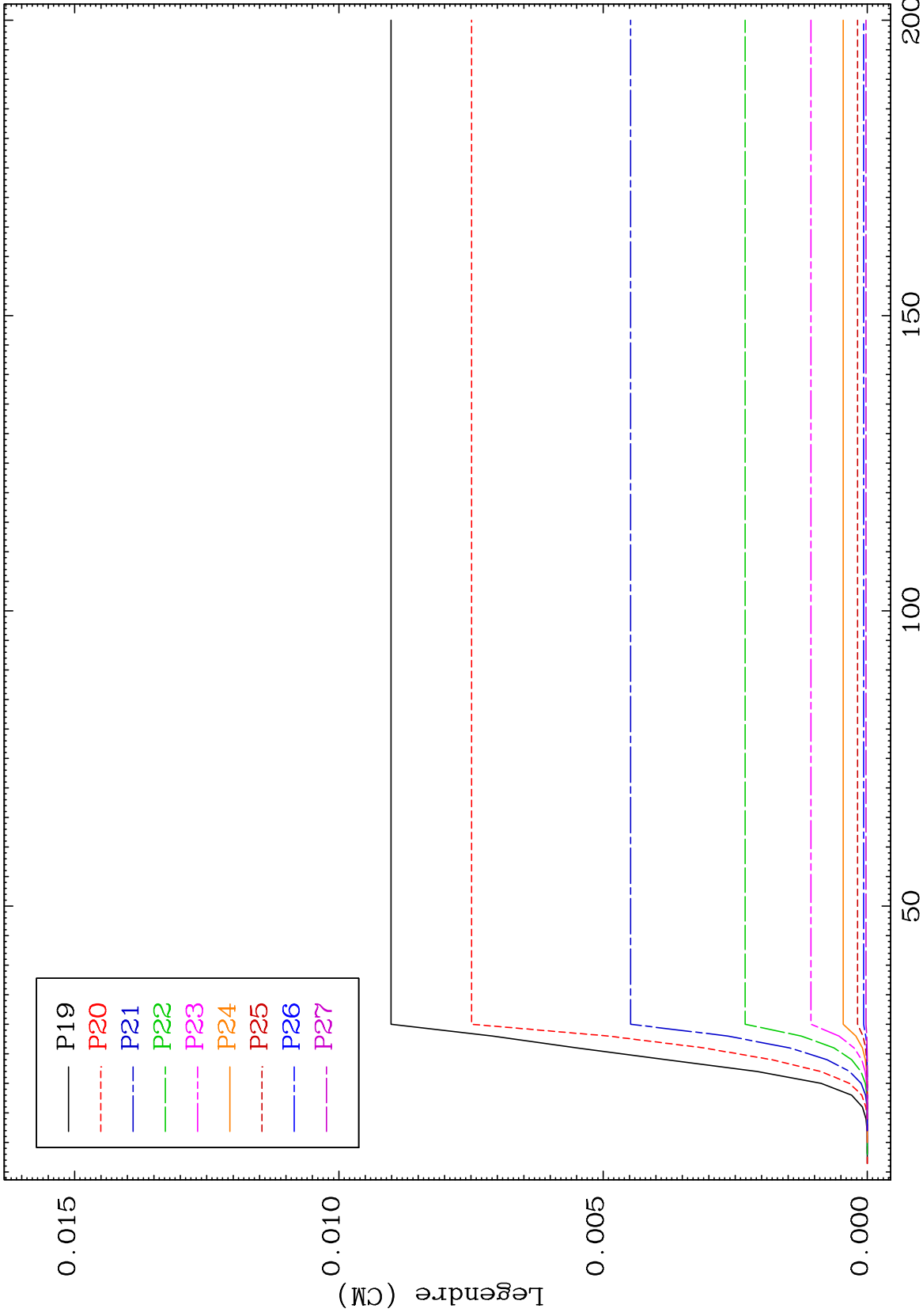
57-La-147



37

Incident Energy (MeV)

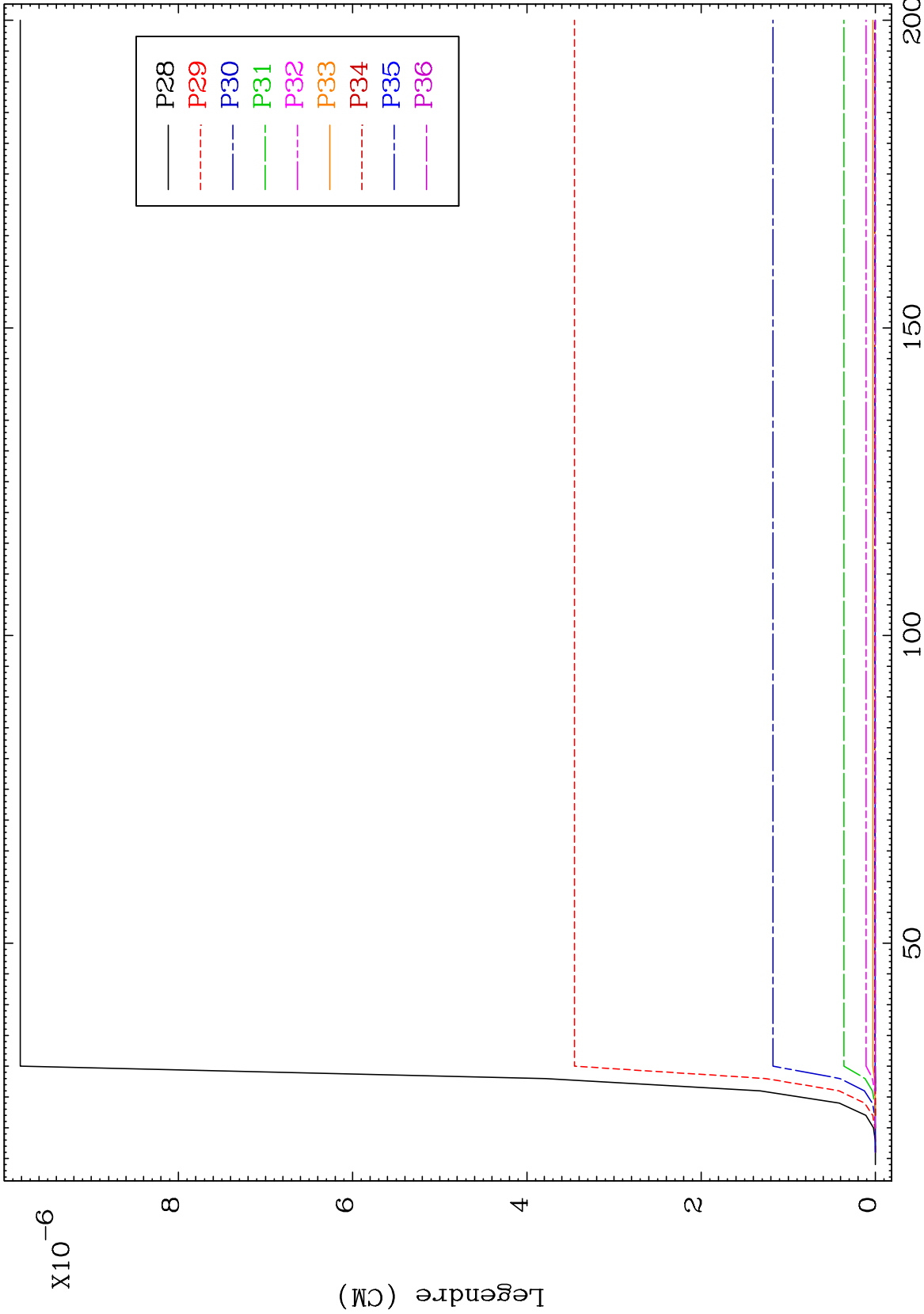
57-La-147



MAT 5752

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

57-La-147



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Incident Energy (MeV)

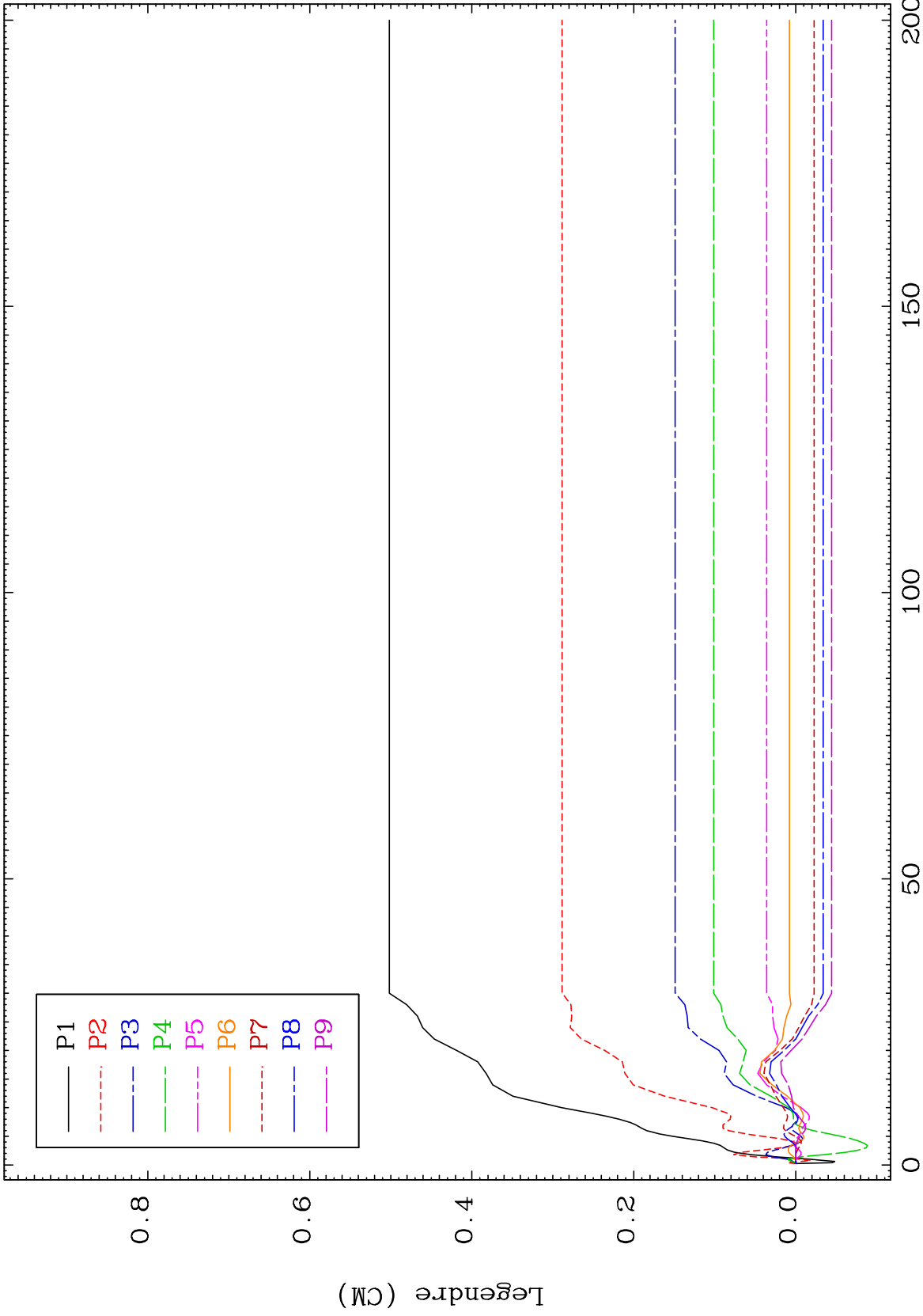
57-La-147



MAT 5752

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

57-La-147



57-La-147

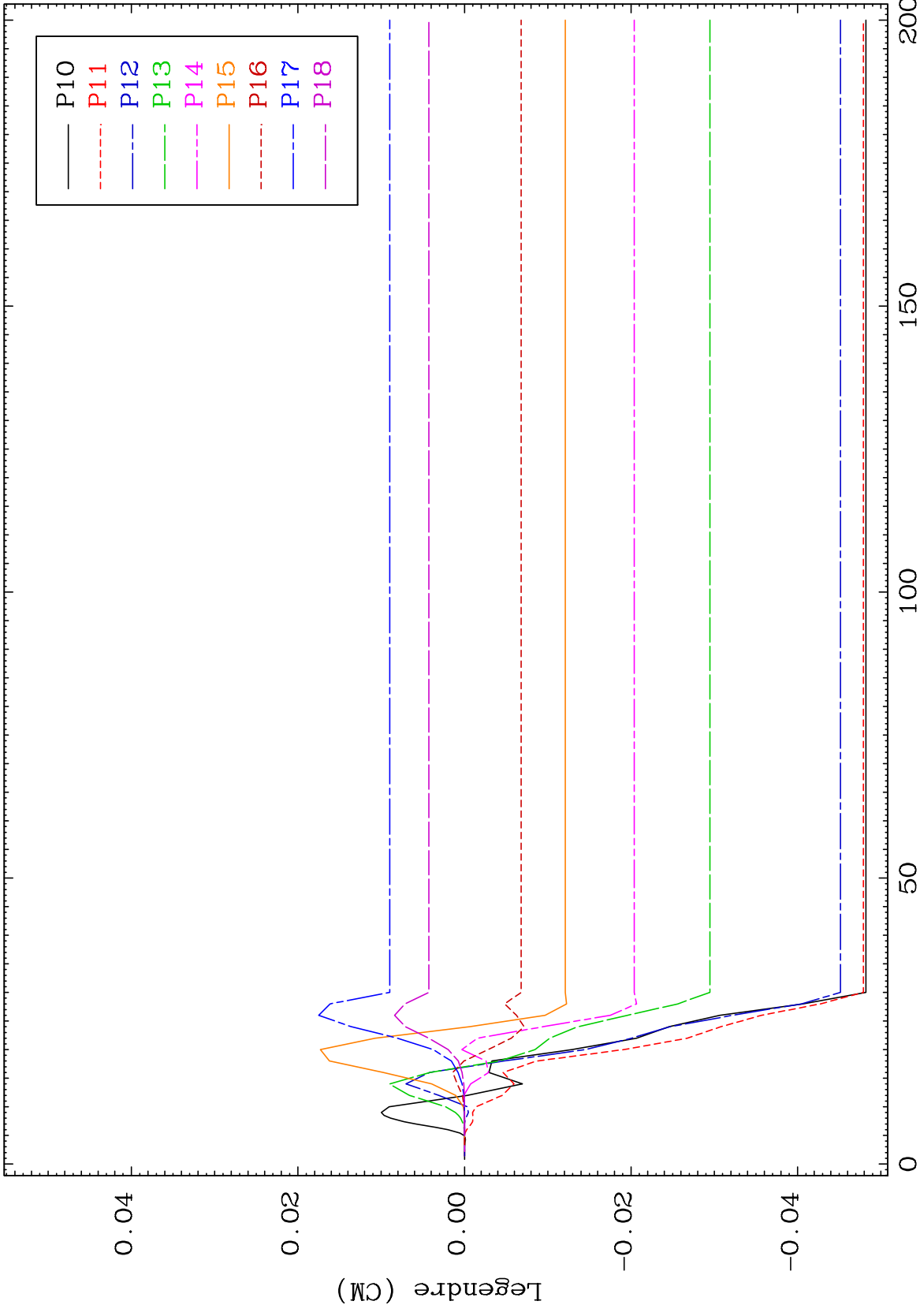
Incident Energy (MeV)

40

MAT 5752

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

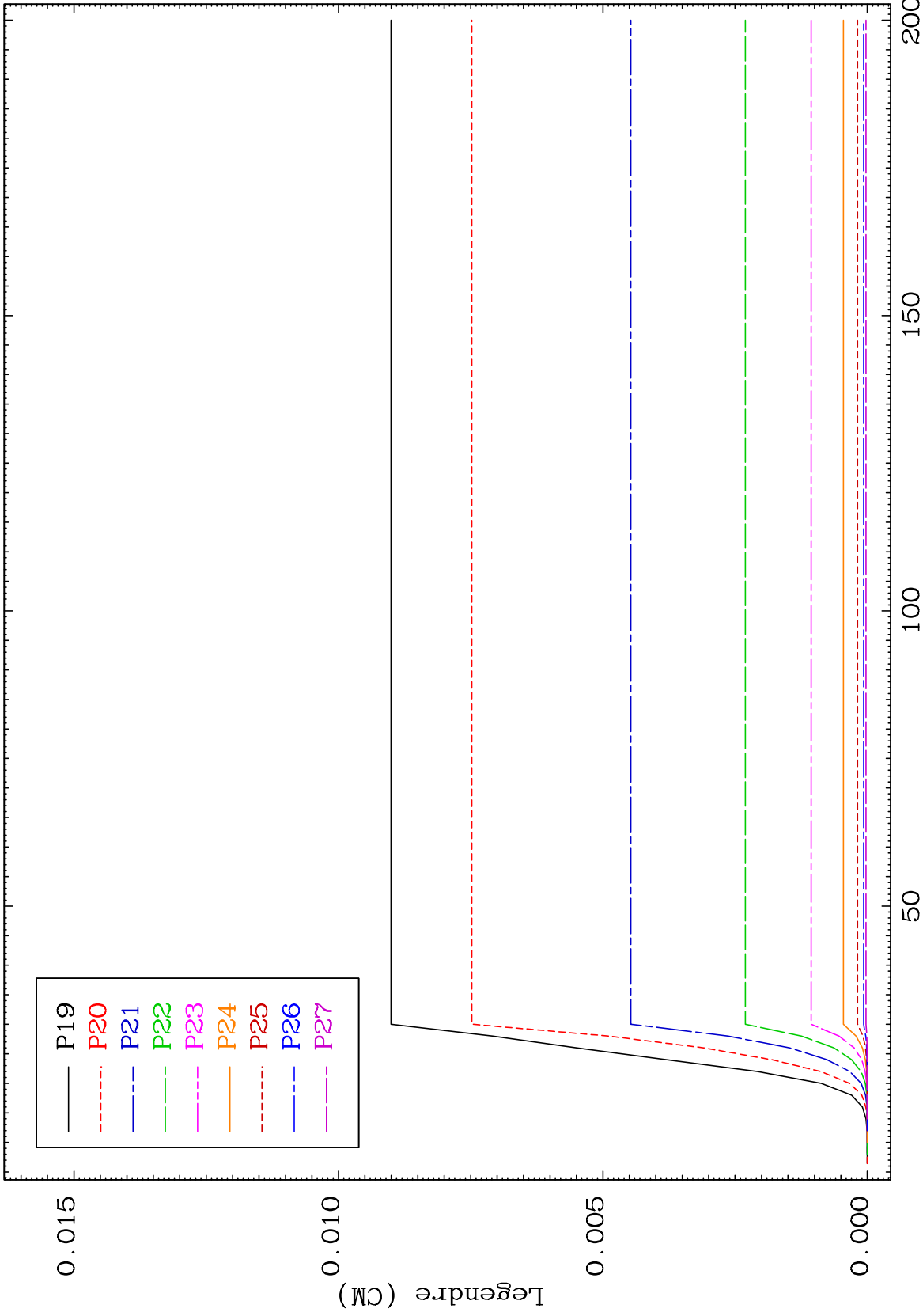
57-La-147



MAT 5752

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

57-La-147



42

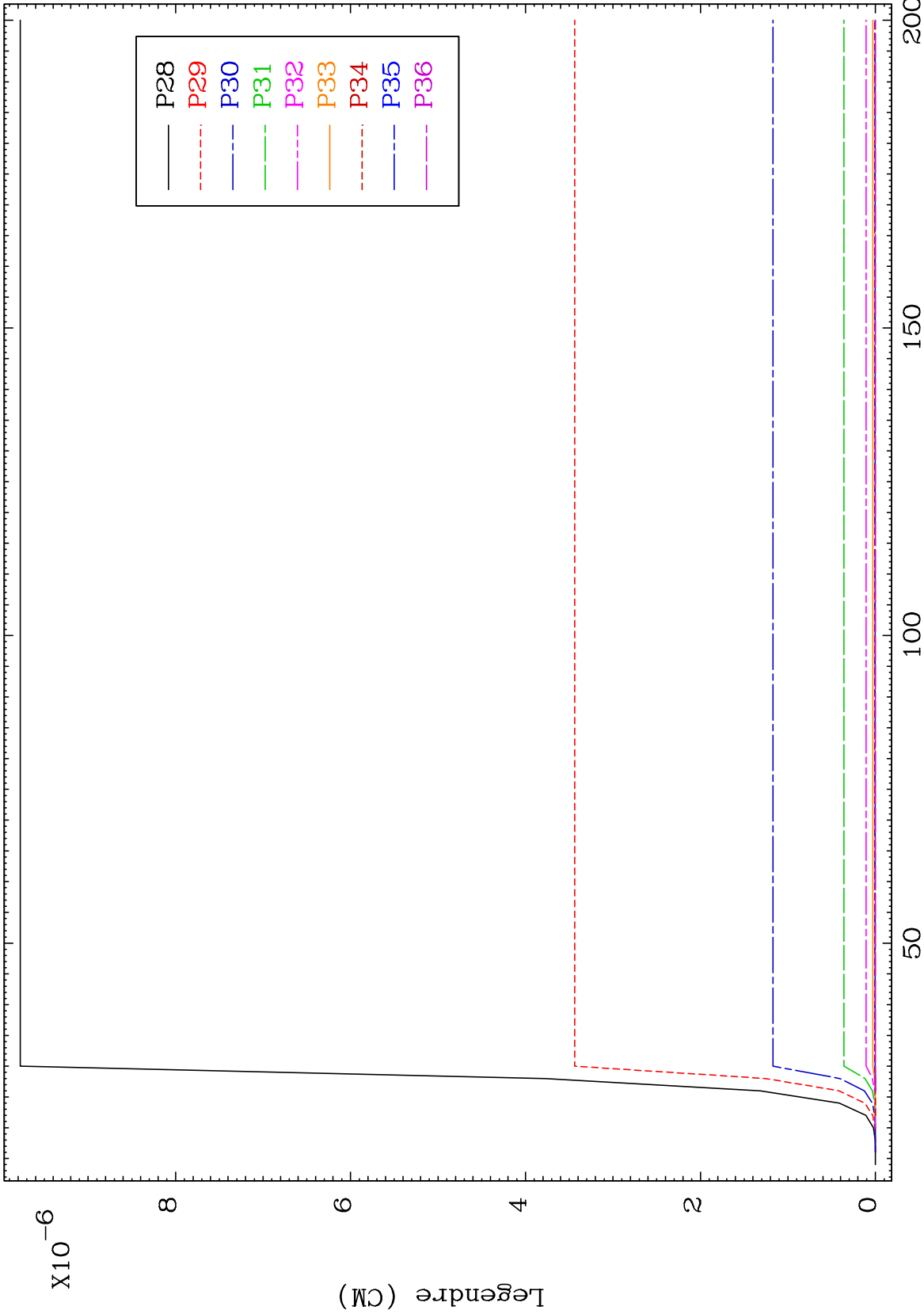
Incident Energy (MeV)

57-La-147

MAT 5752

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

57-La-147



43

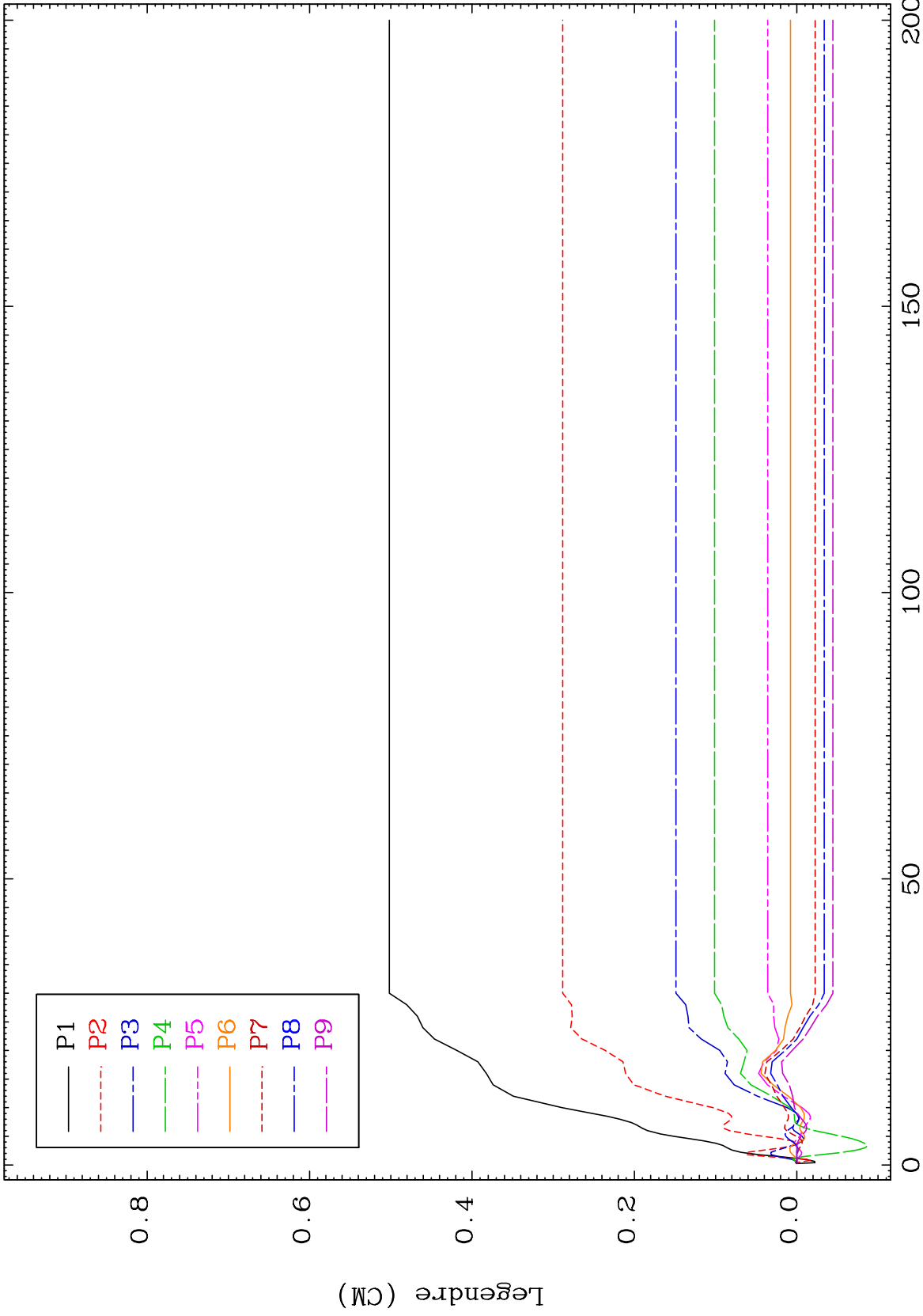
Incident Energy (MeV)

57-La-147

MAT 5752

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

57-La-147



44

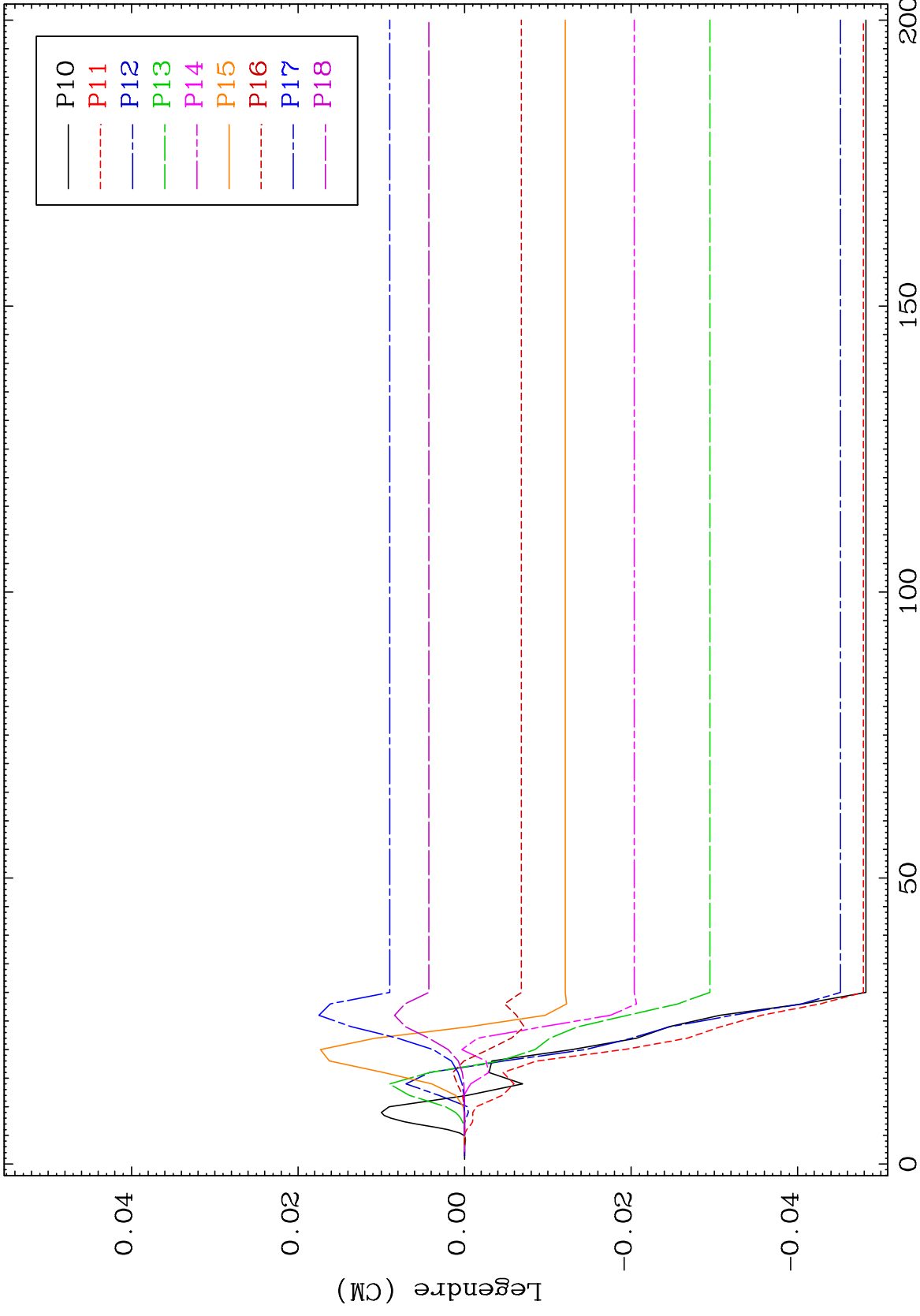
Incident Energy (MeV)

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MAT 5752

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

57-La-147



45

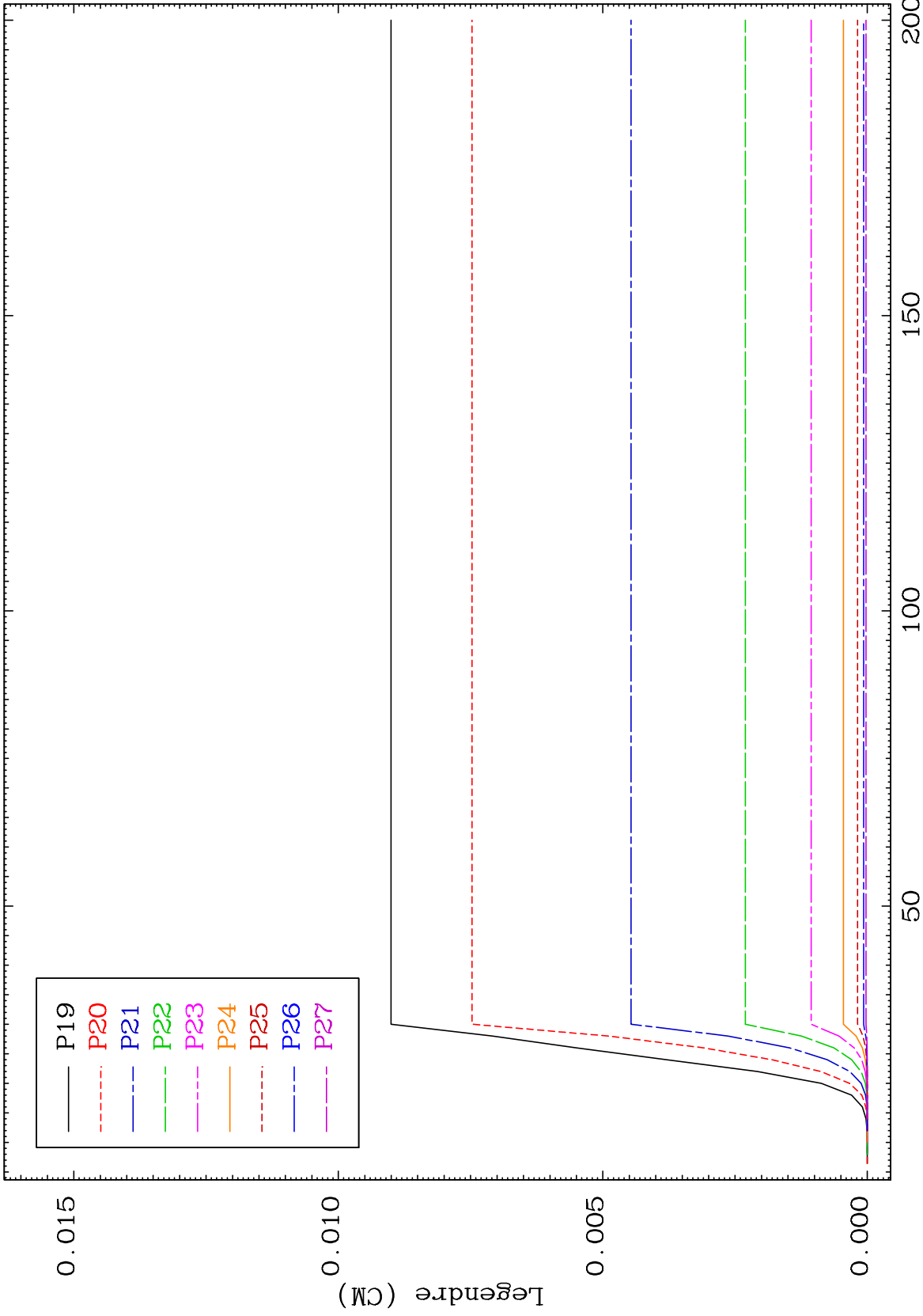
Incident Energy (MeV)

57-La-147

MAT 5752

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

57-La-147



46

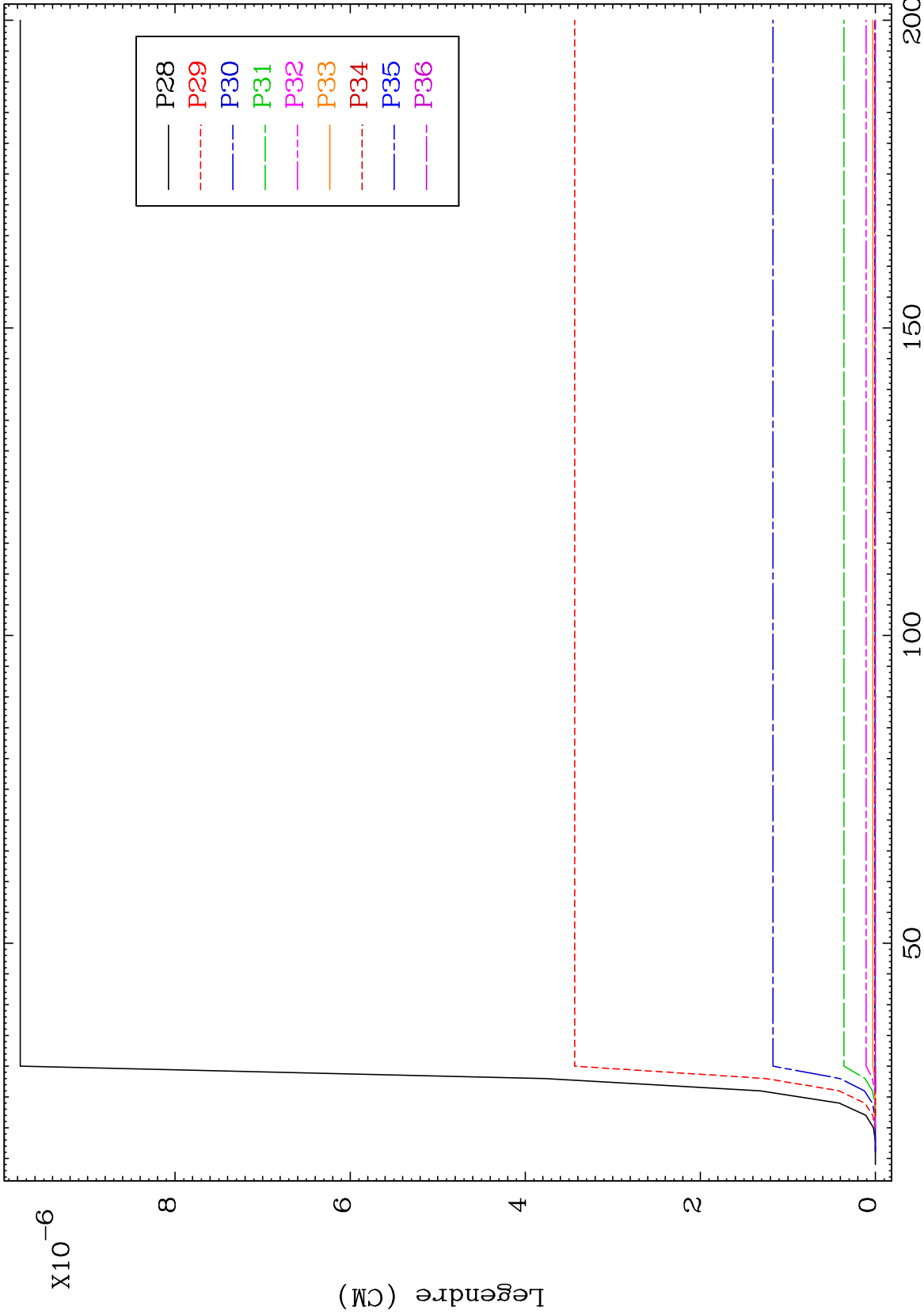
Incident Energy (MeV)

57-La-147

MAT 5752

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

57-La-147



47

Incident Energy (MeV)

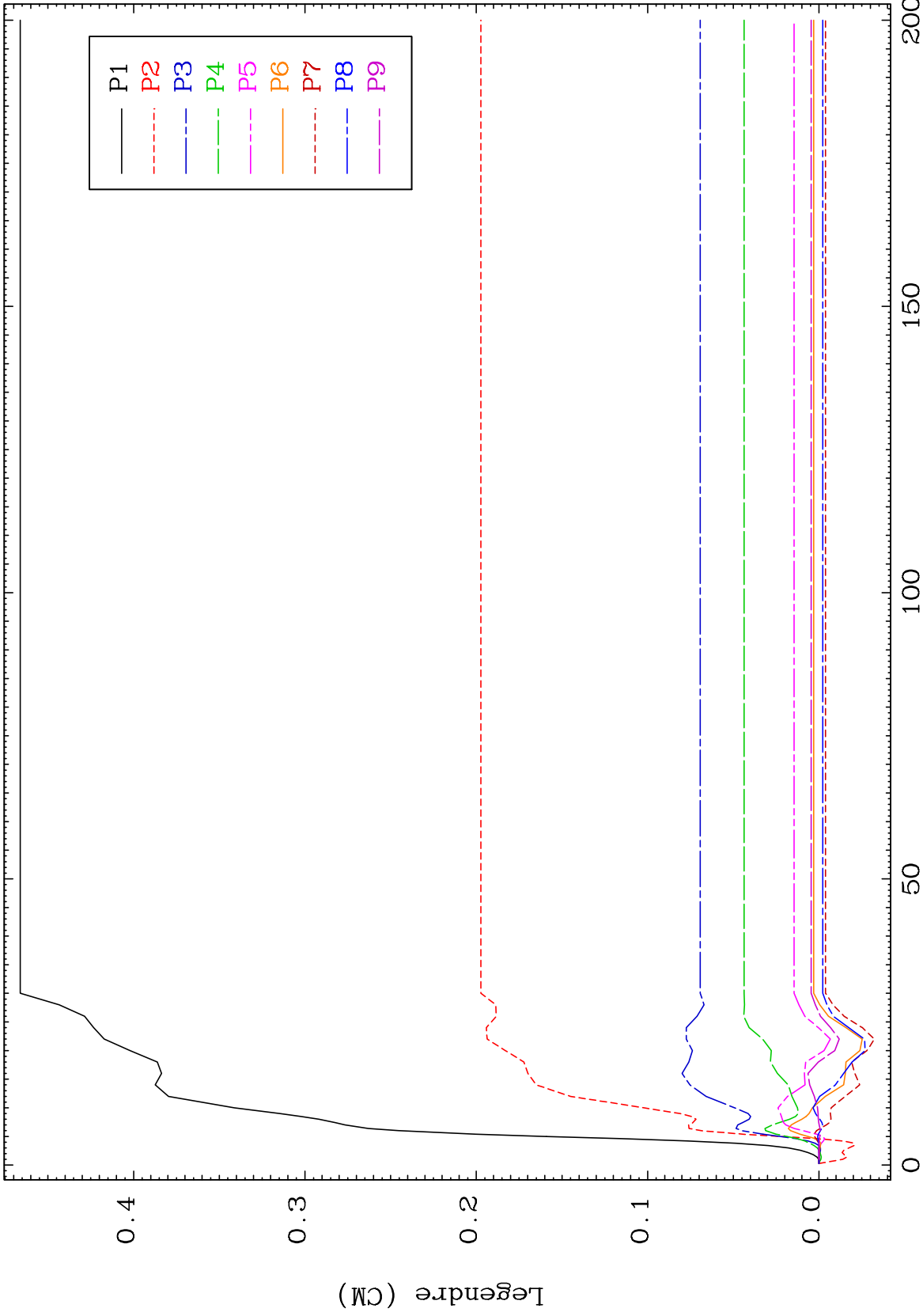
57-La-147



MAT 5752

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

57-La-147



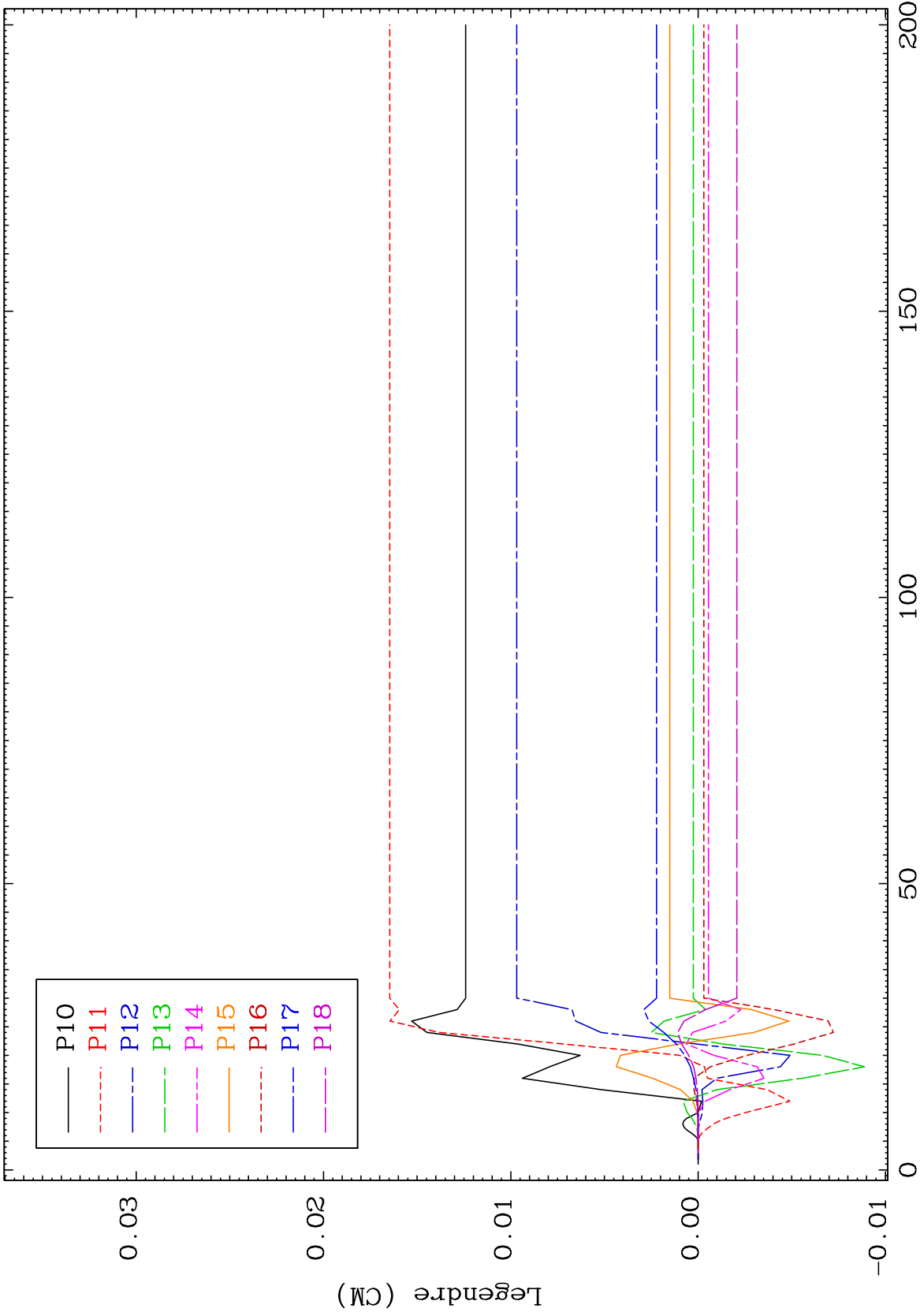
48

57-La-147

MAT 5752

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

57-La-147



49

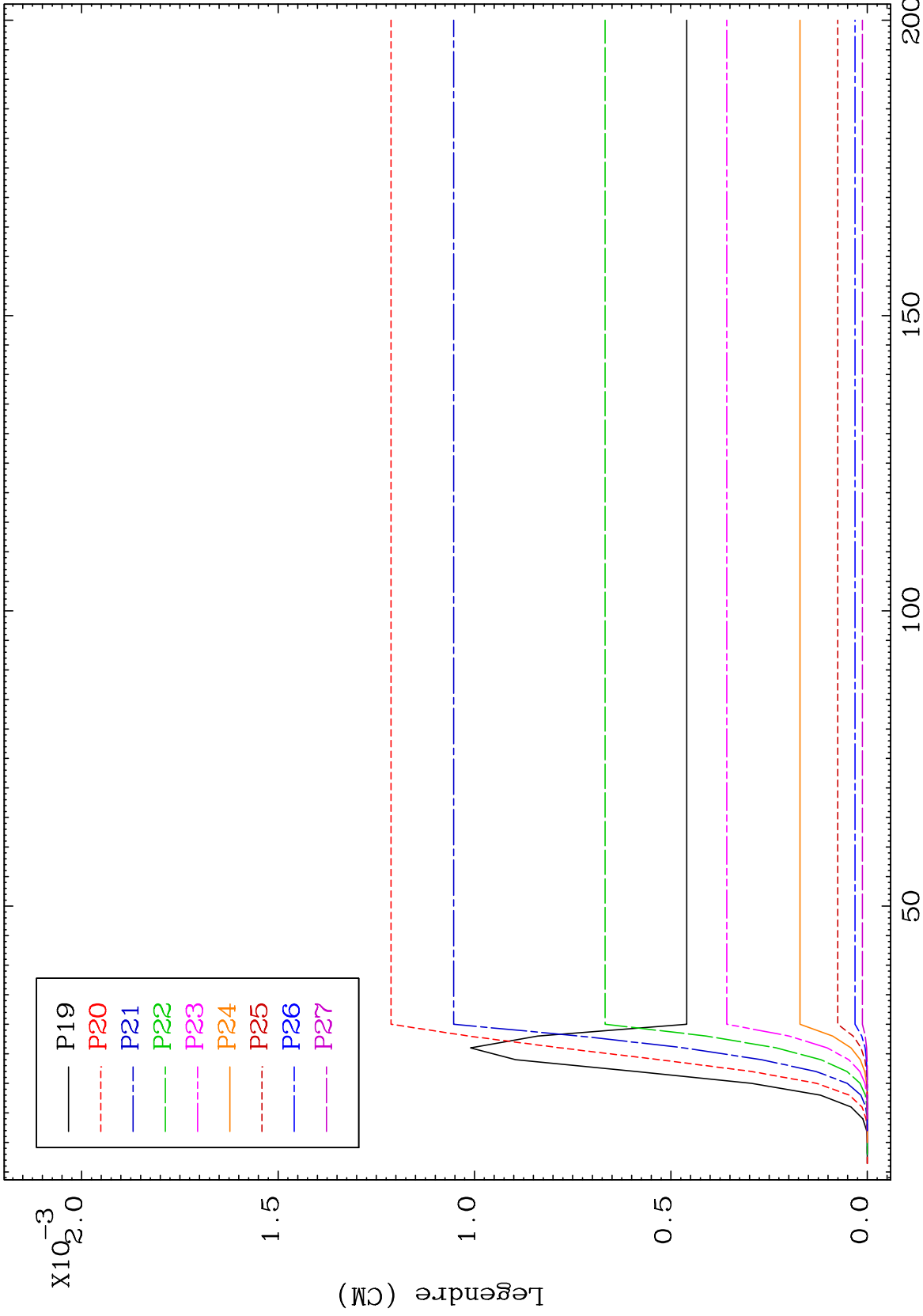
Incident Energy (MeV)

57-La-147

MAT 5752

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

57-La-147



50

50

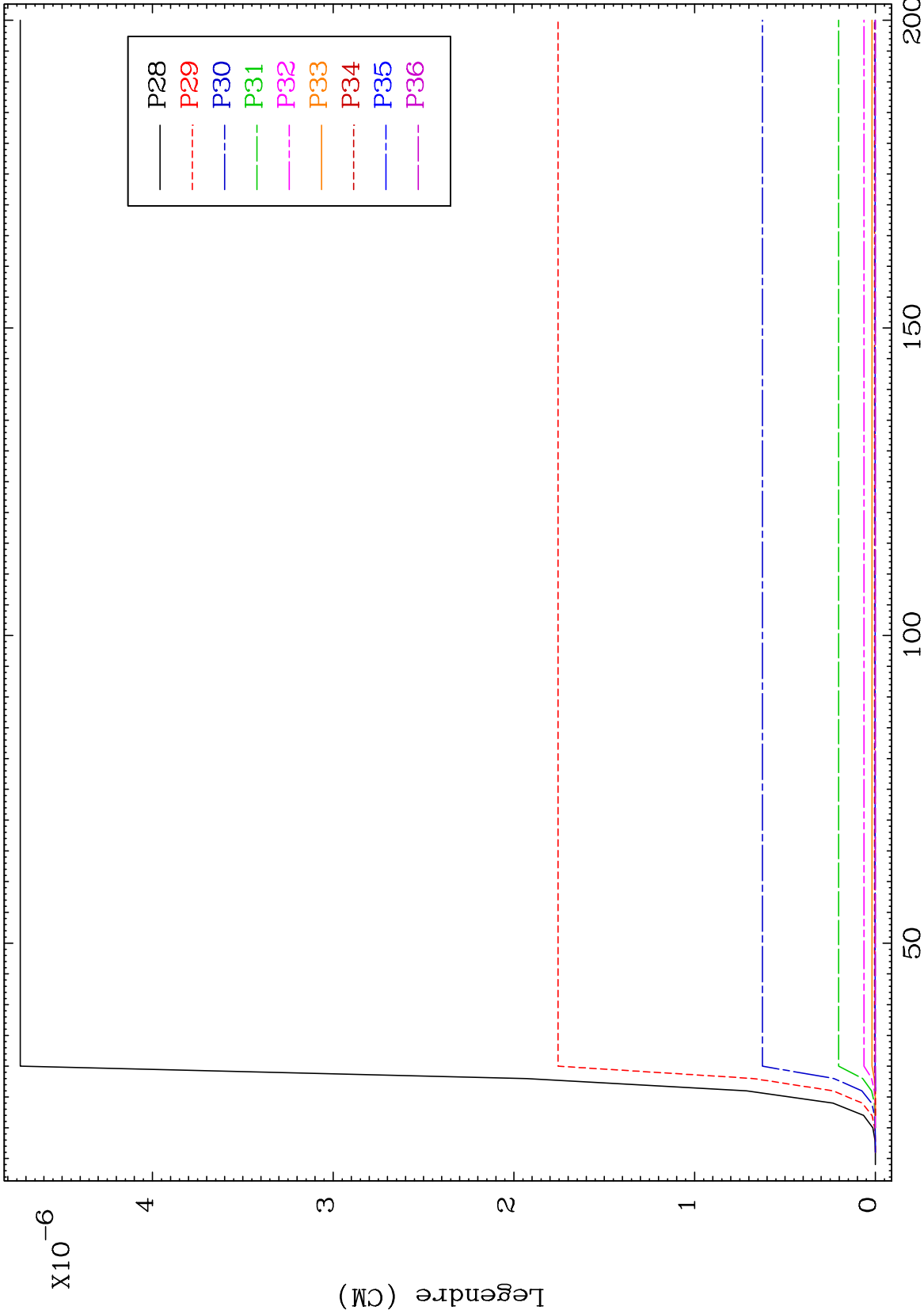
100

150

200

Incident Energy (MeV)

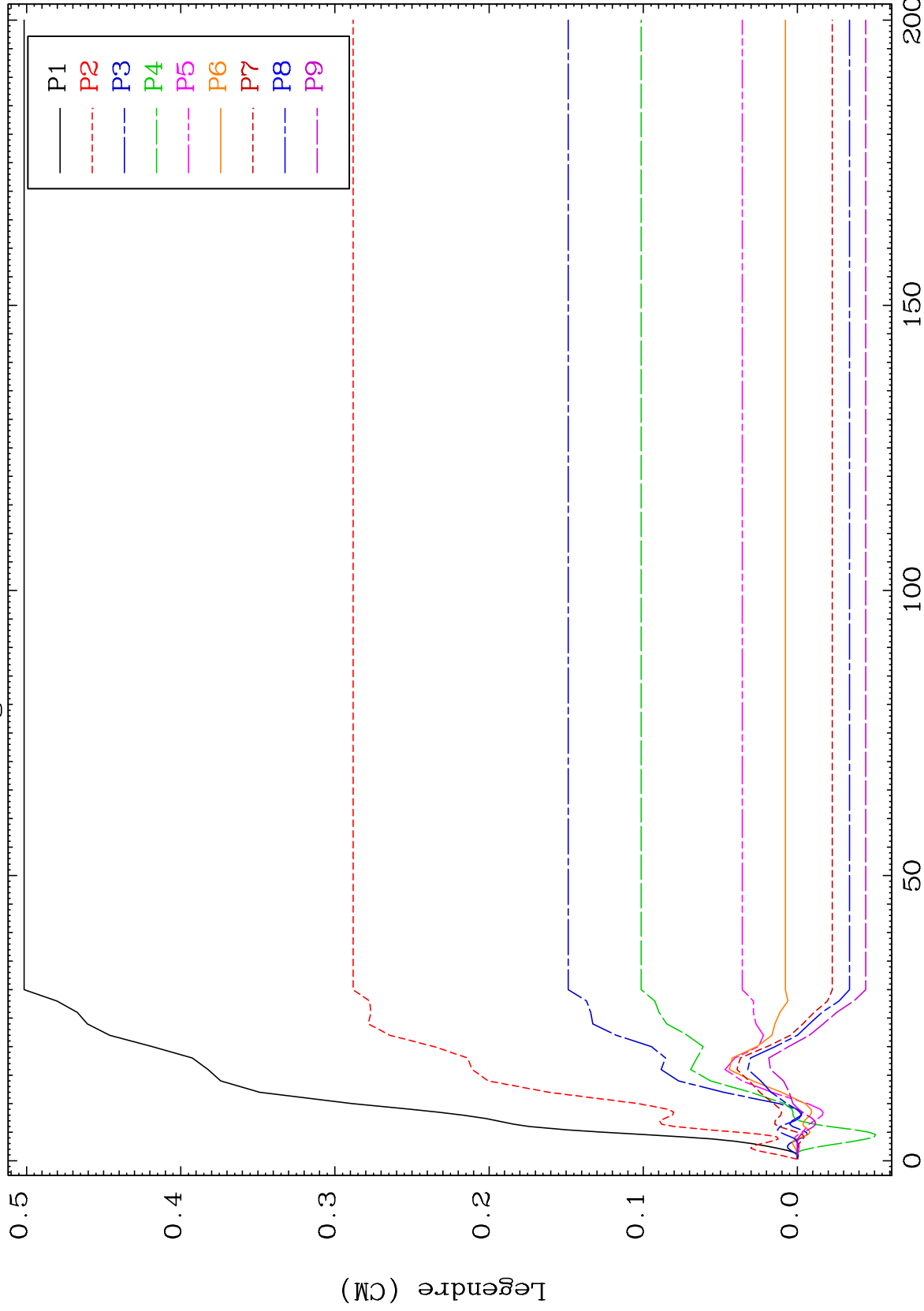
57-La-147



MAT 5752

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

57-La-147



52

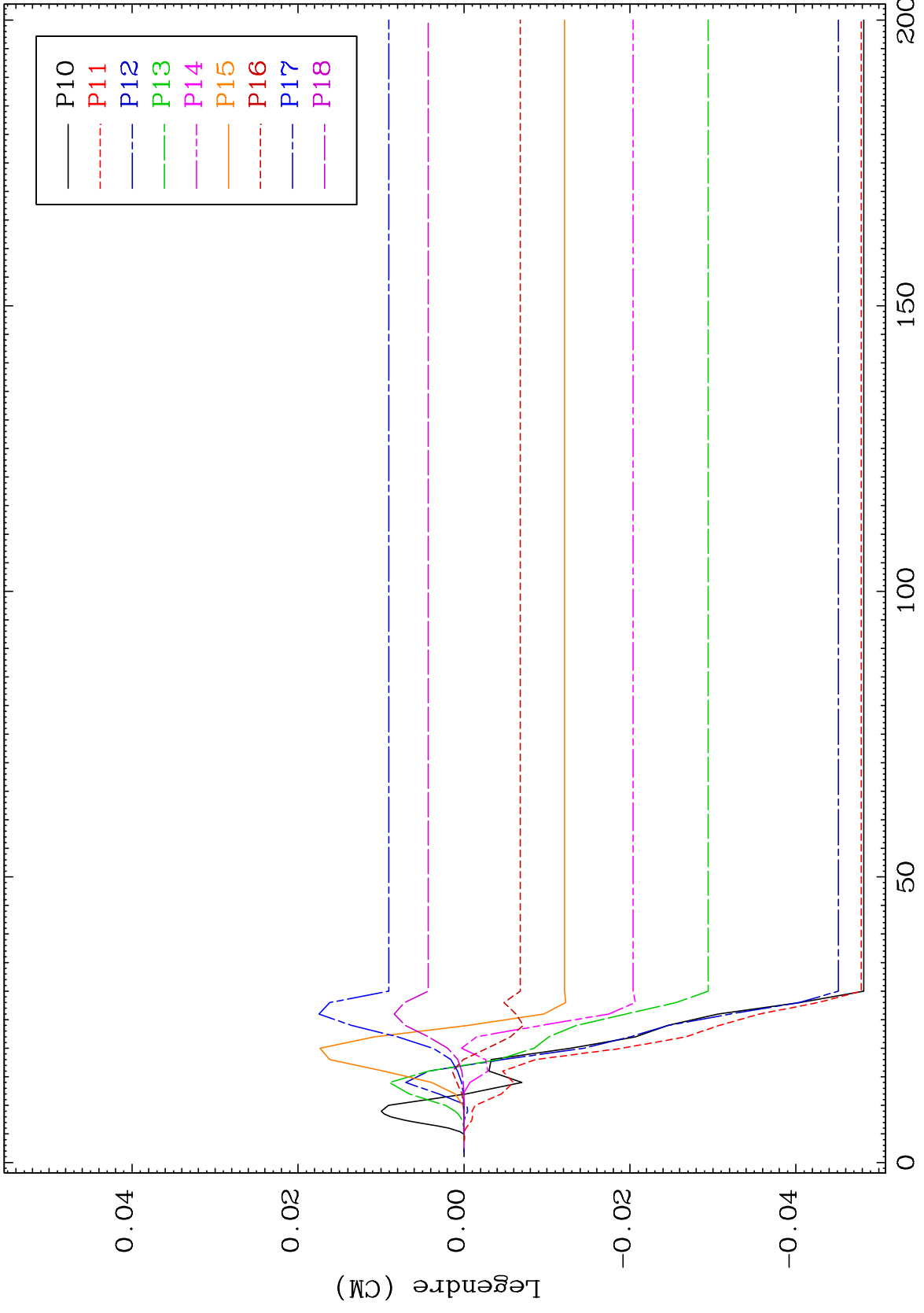
Incident Energy (MeV)

57-La-147

MAT 5752

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

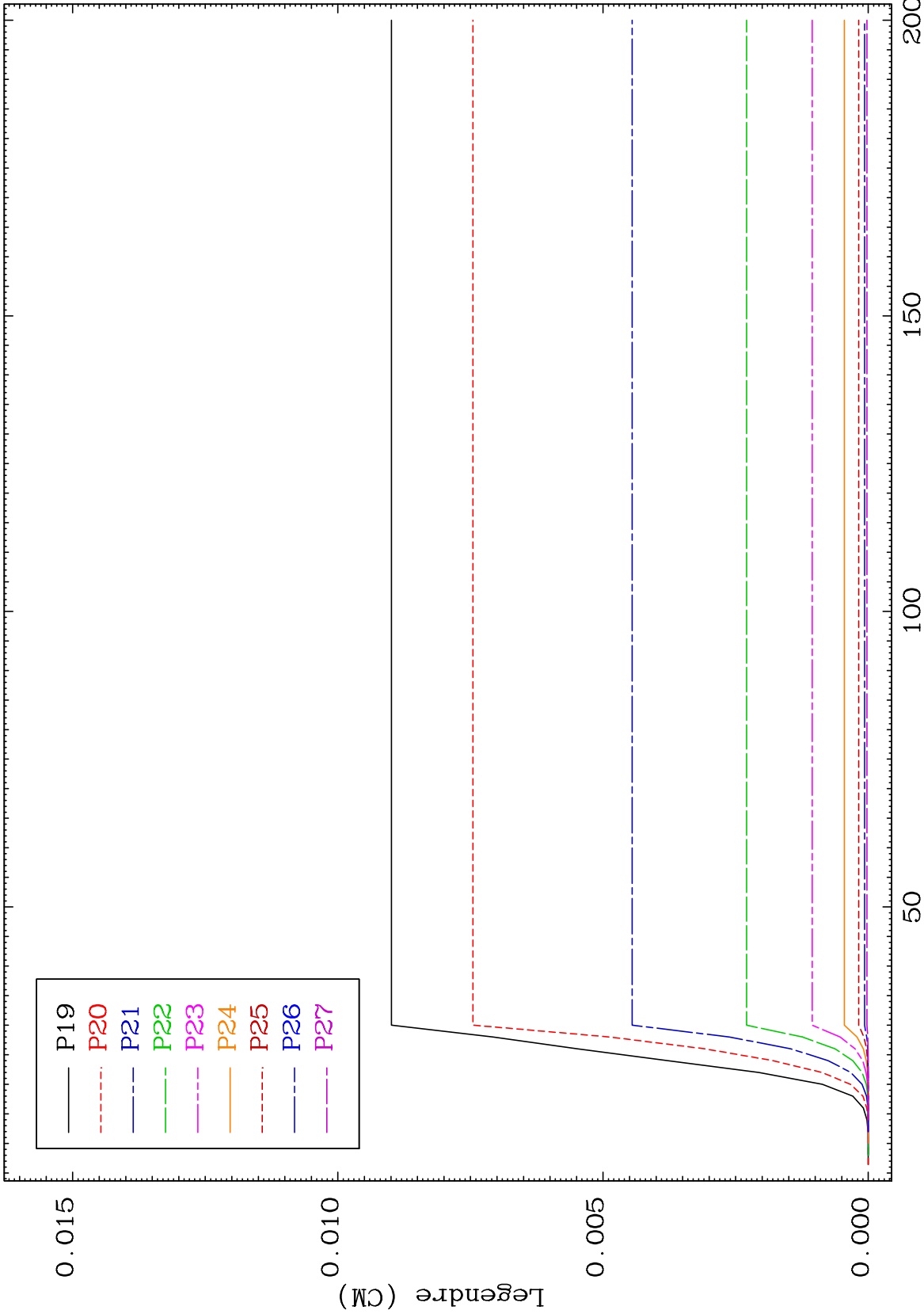
57-La-147



53

Incident Energy (MeV)

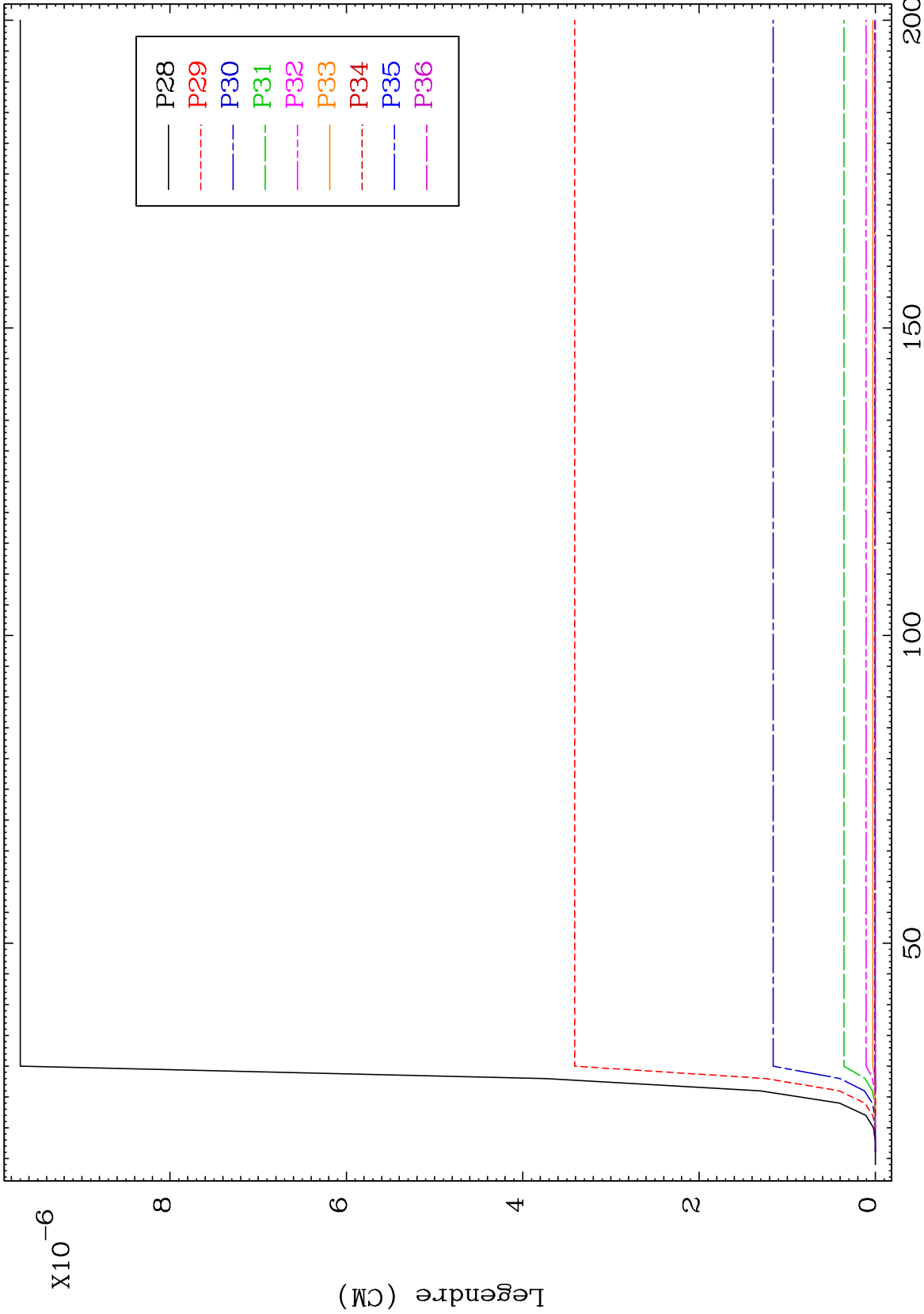
57-La-147



MAT 5752

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

57-La-147



55

Incident Energy (MeV)

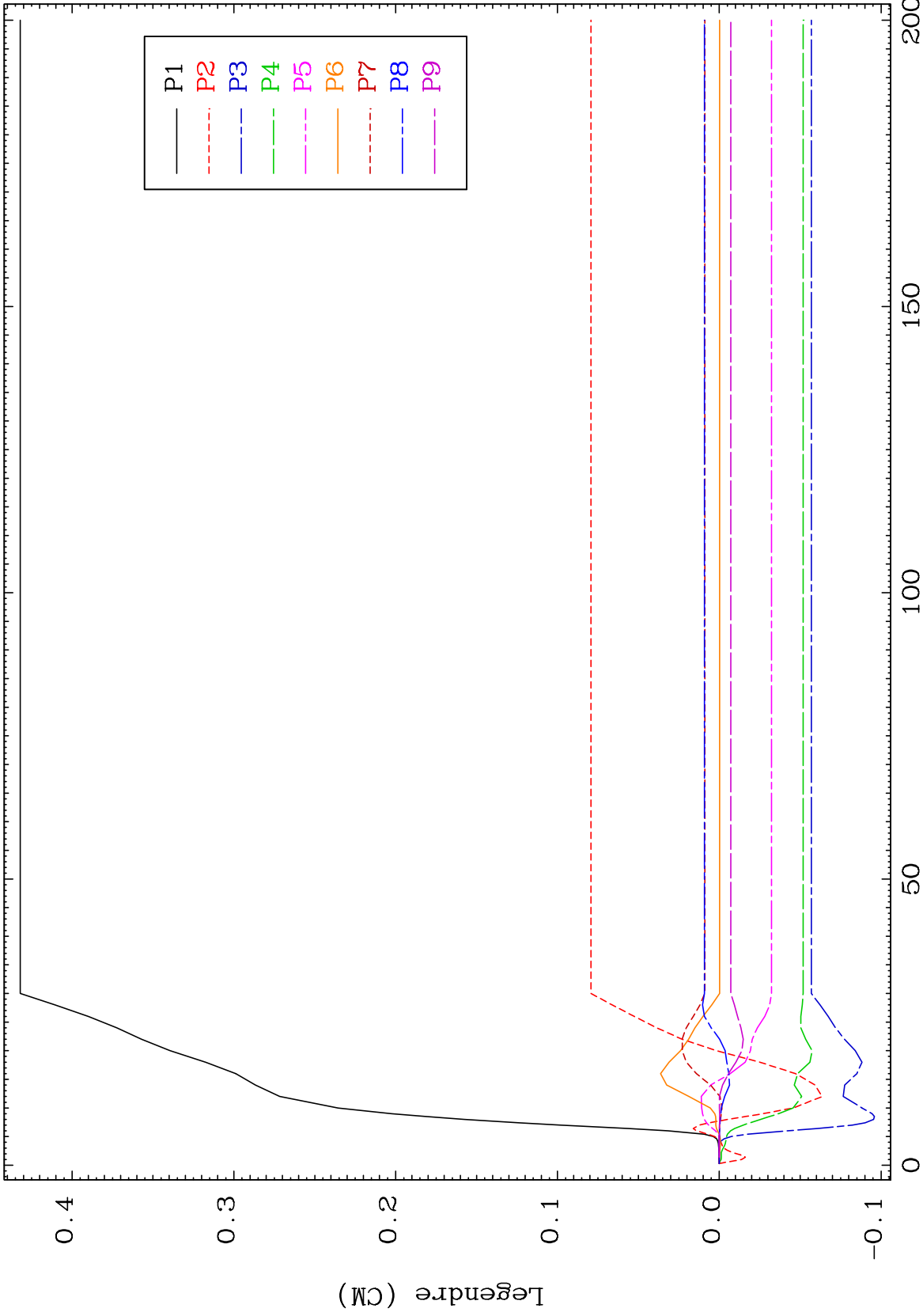
57-La-147



MAT 5752

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

57-La-147



56

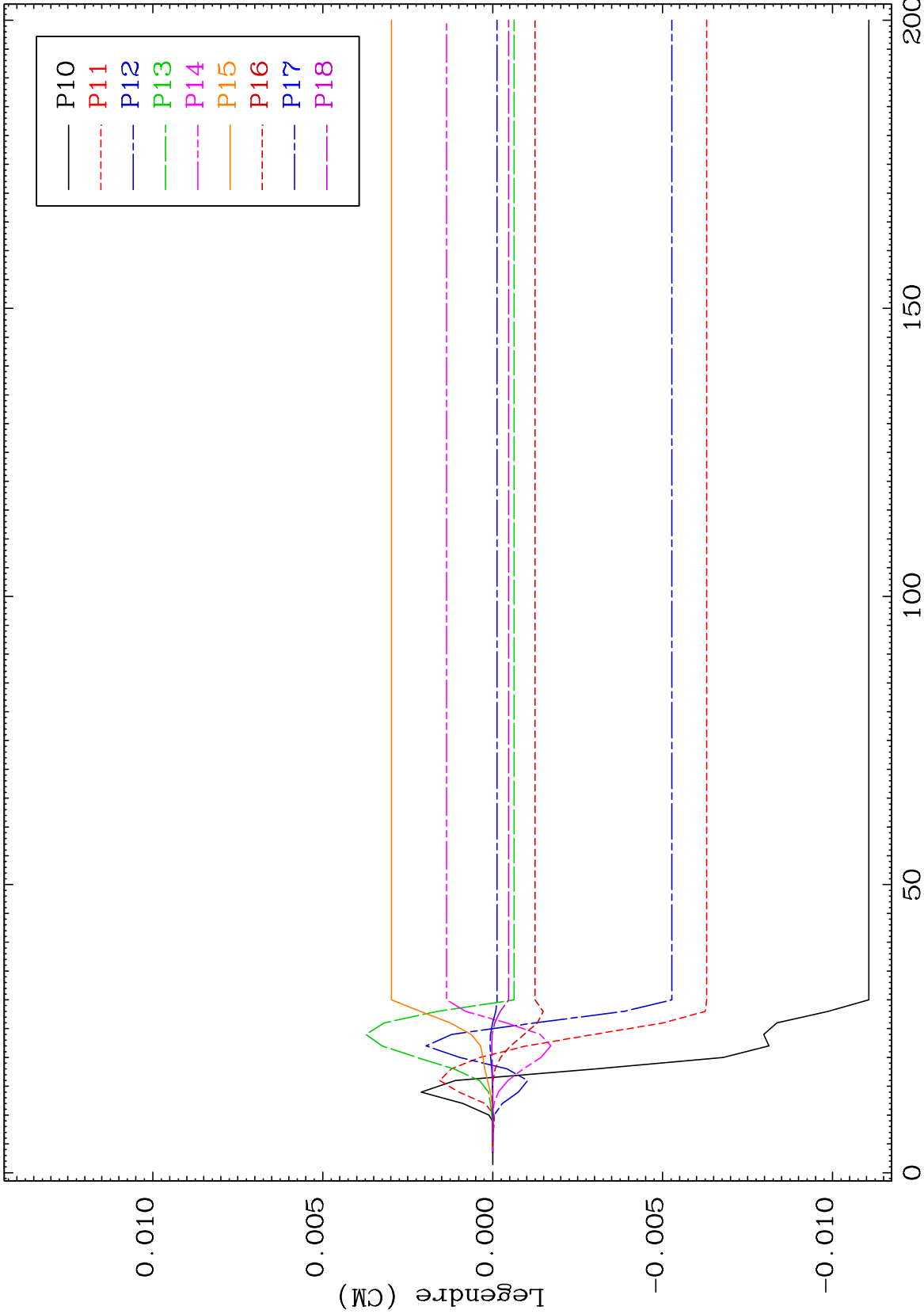
Incident Energy (MeV)

57-La-147

MAT 5752

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

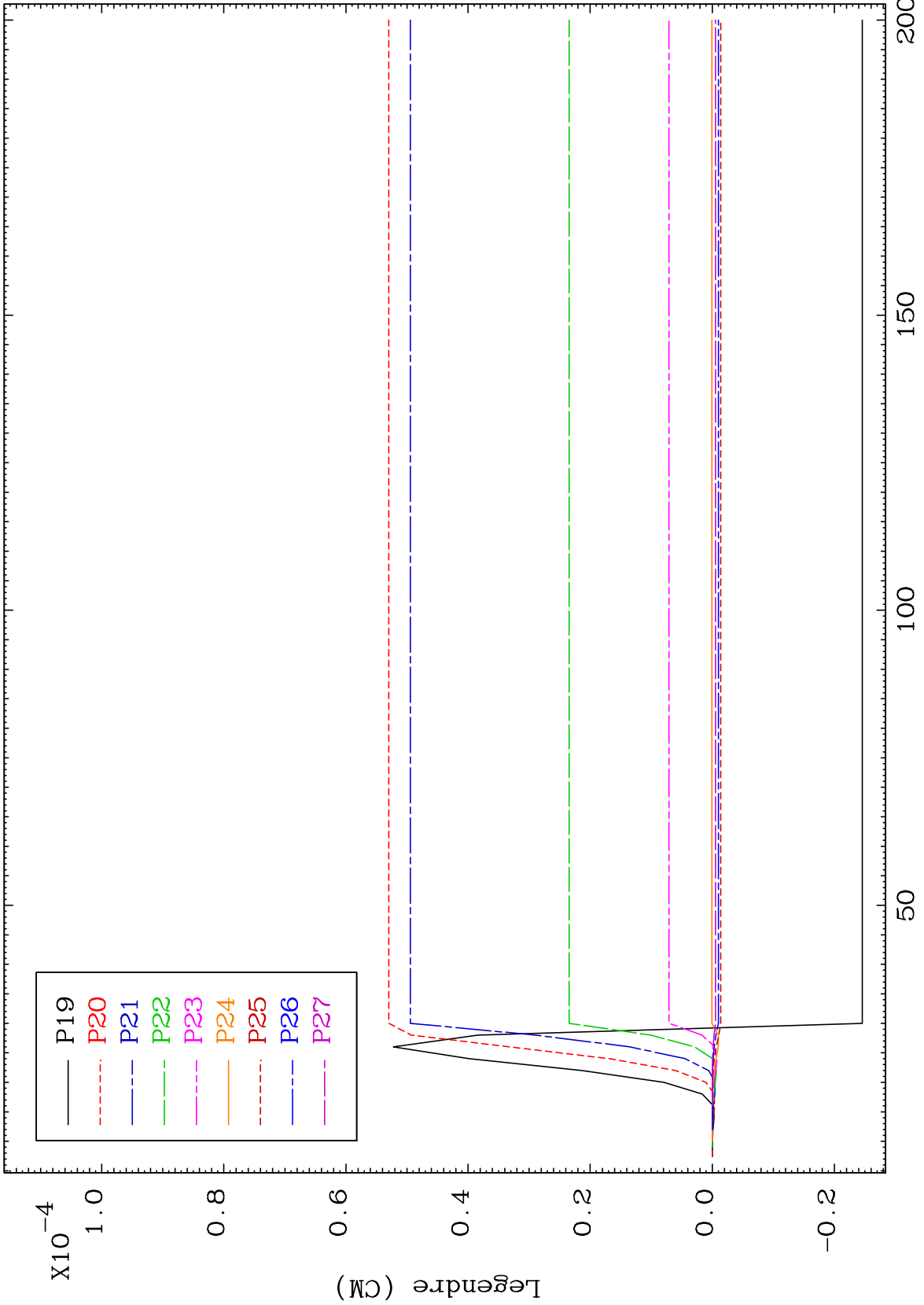
57-La-147



57

Incident Energy (MeV)

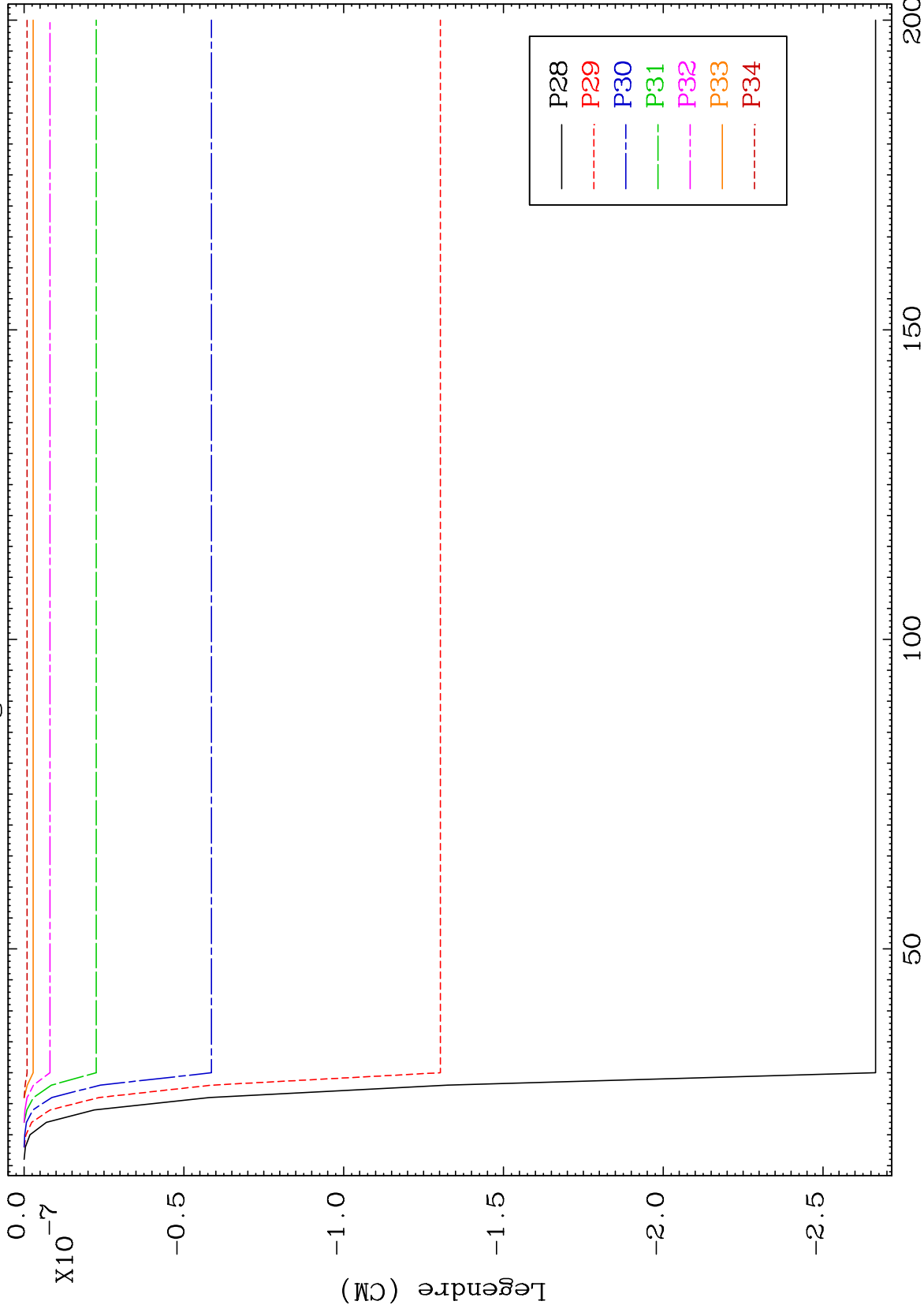
57-La-147



MAT 5752

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

57-La-147



57-La-147

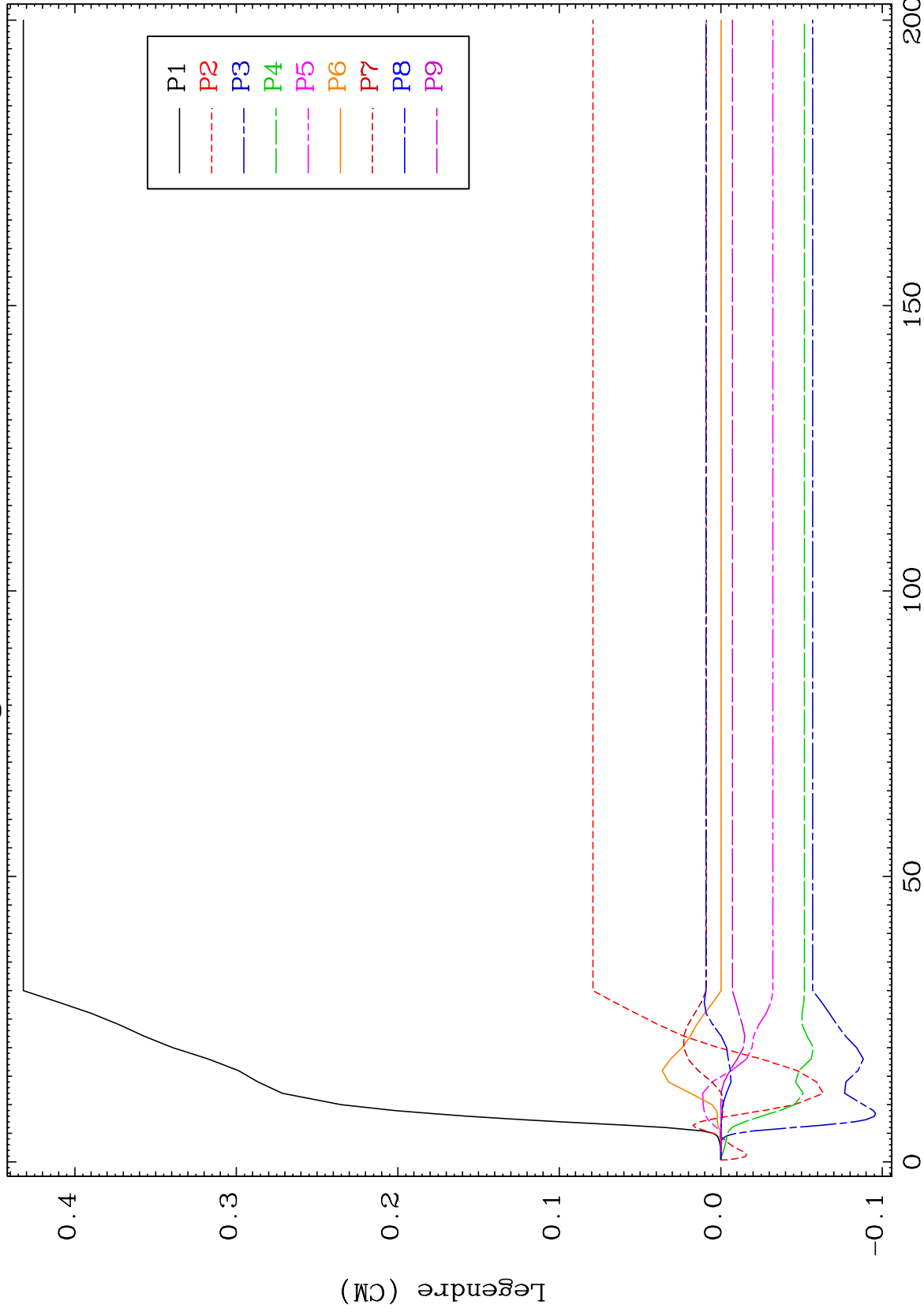
Incident Energy (MeV)

59

MAT 5752

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

57-La-147



57-La-147

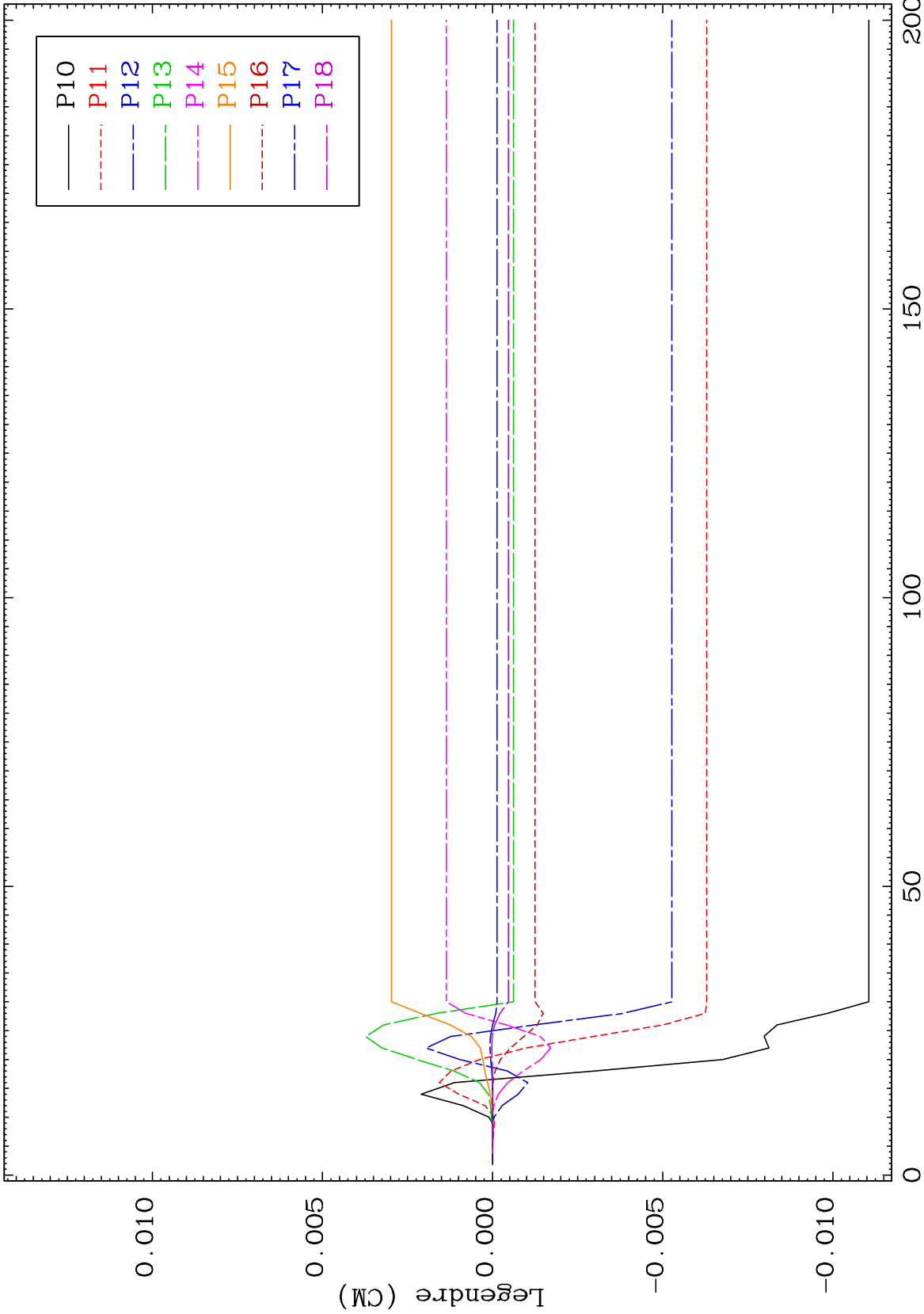
Incident Energy (MeV)

Legendre (CM)

MAT 5752

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

57-La-147



61

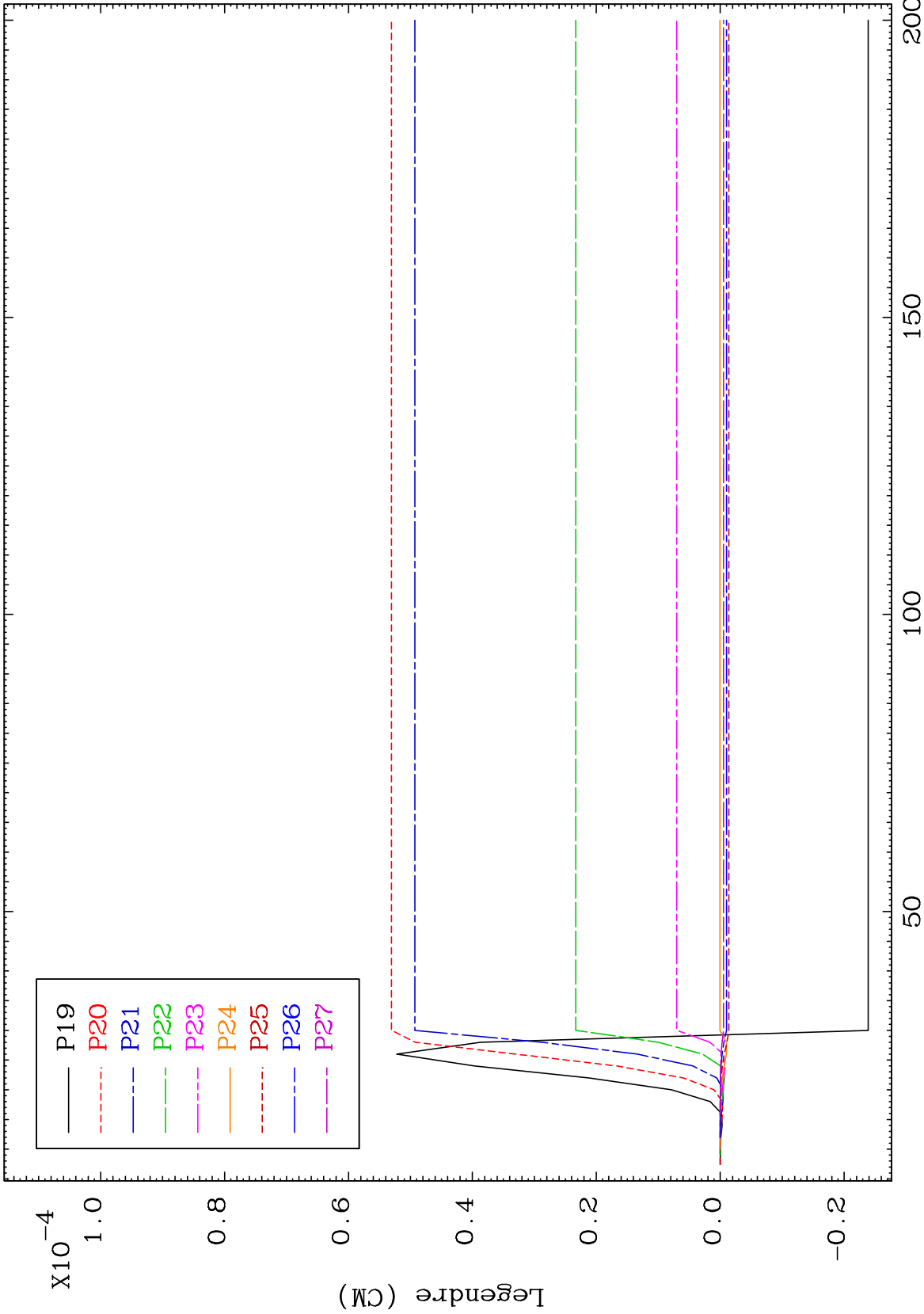
Incident Energy (MeV)

57-La-147

MAT 5752

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

57-La-147



62

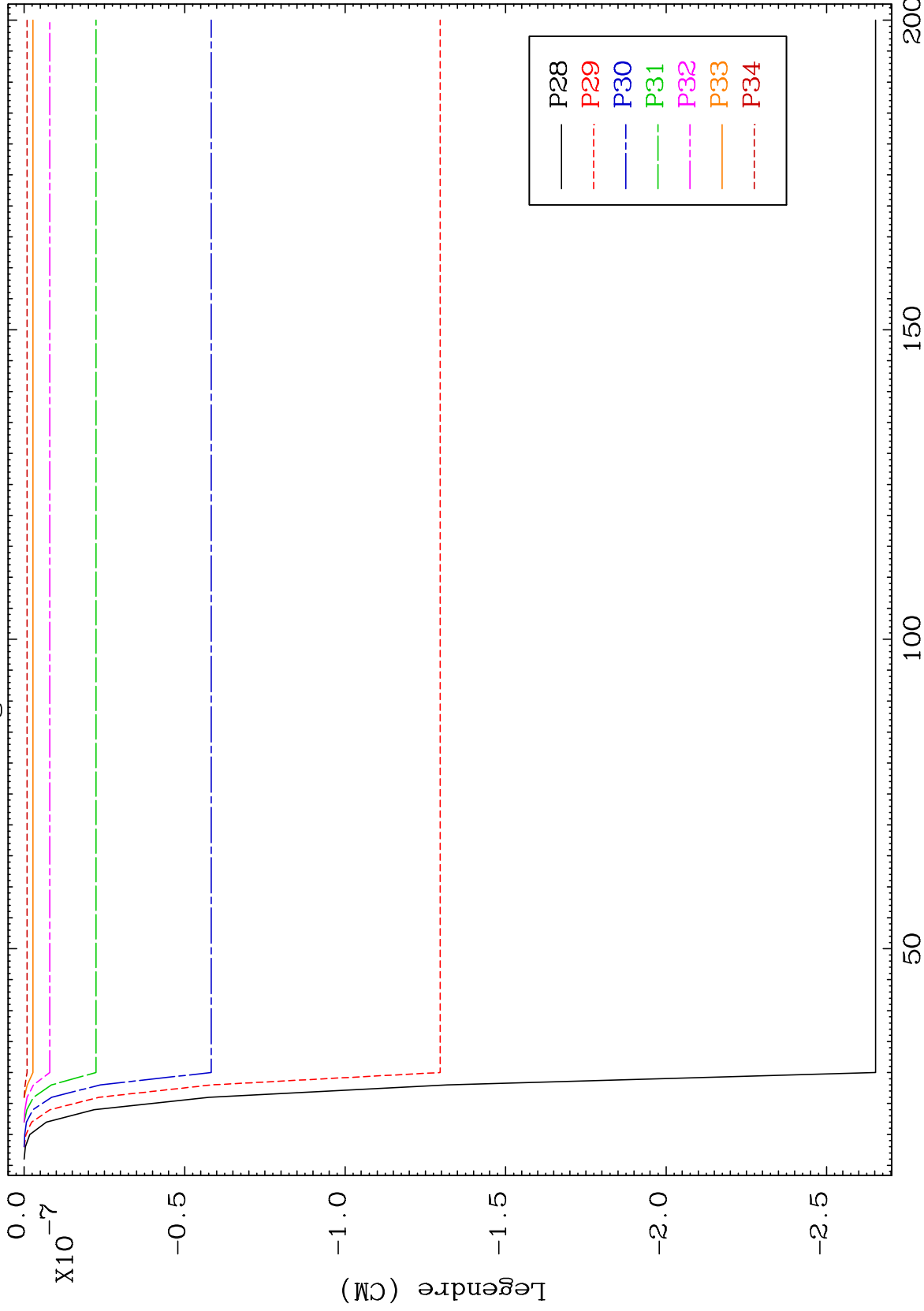
Incident Energy (MeV)

57-La-147

MAT 5752

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

57-La-147



63

Incident Energy (MeV)

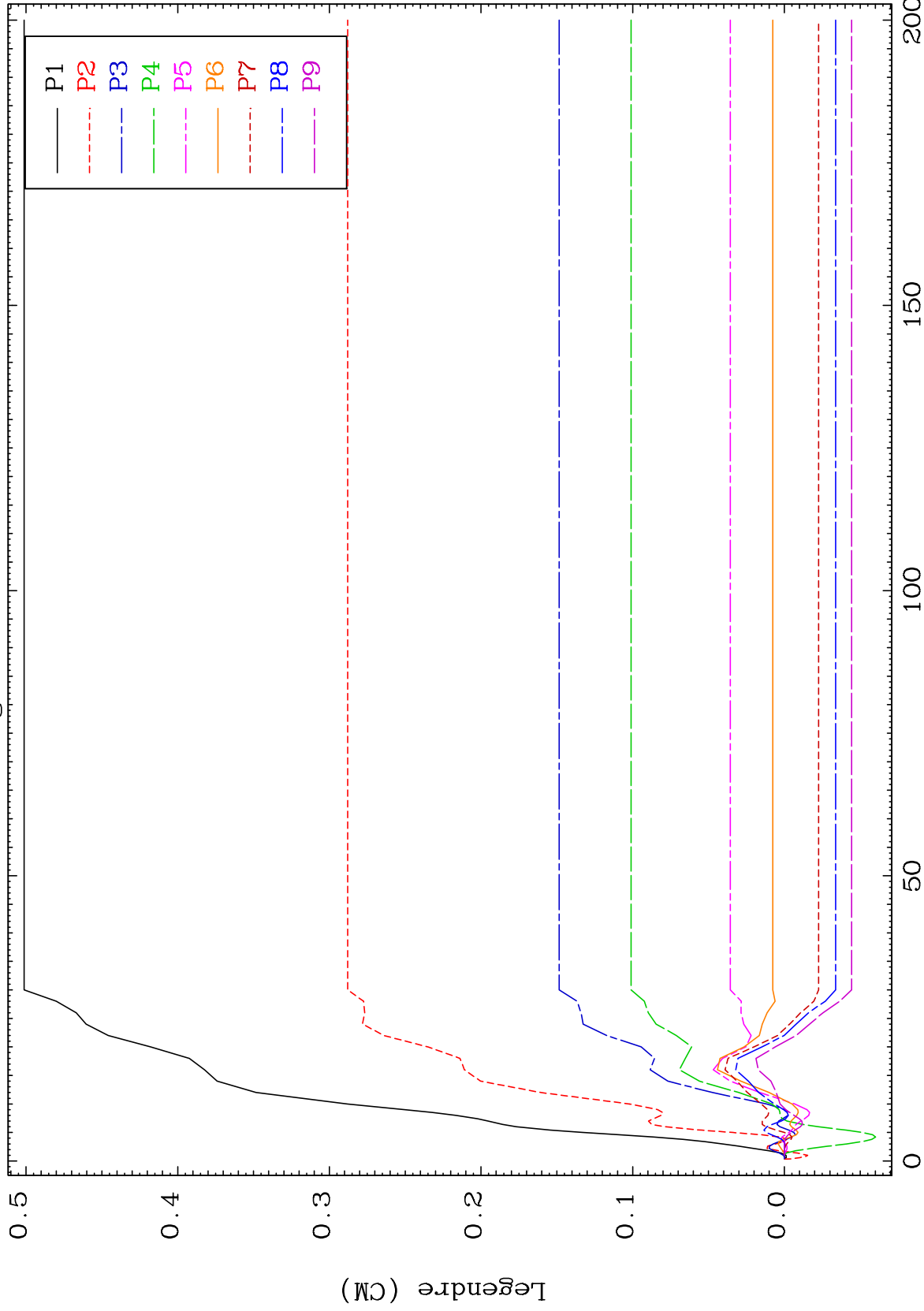
57-La-147



MAT 5752

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

57-La-147



64

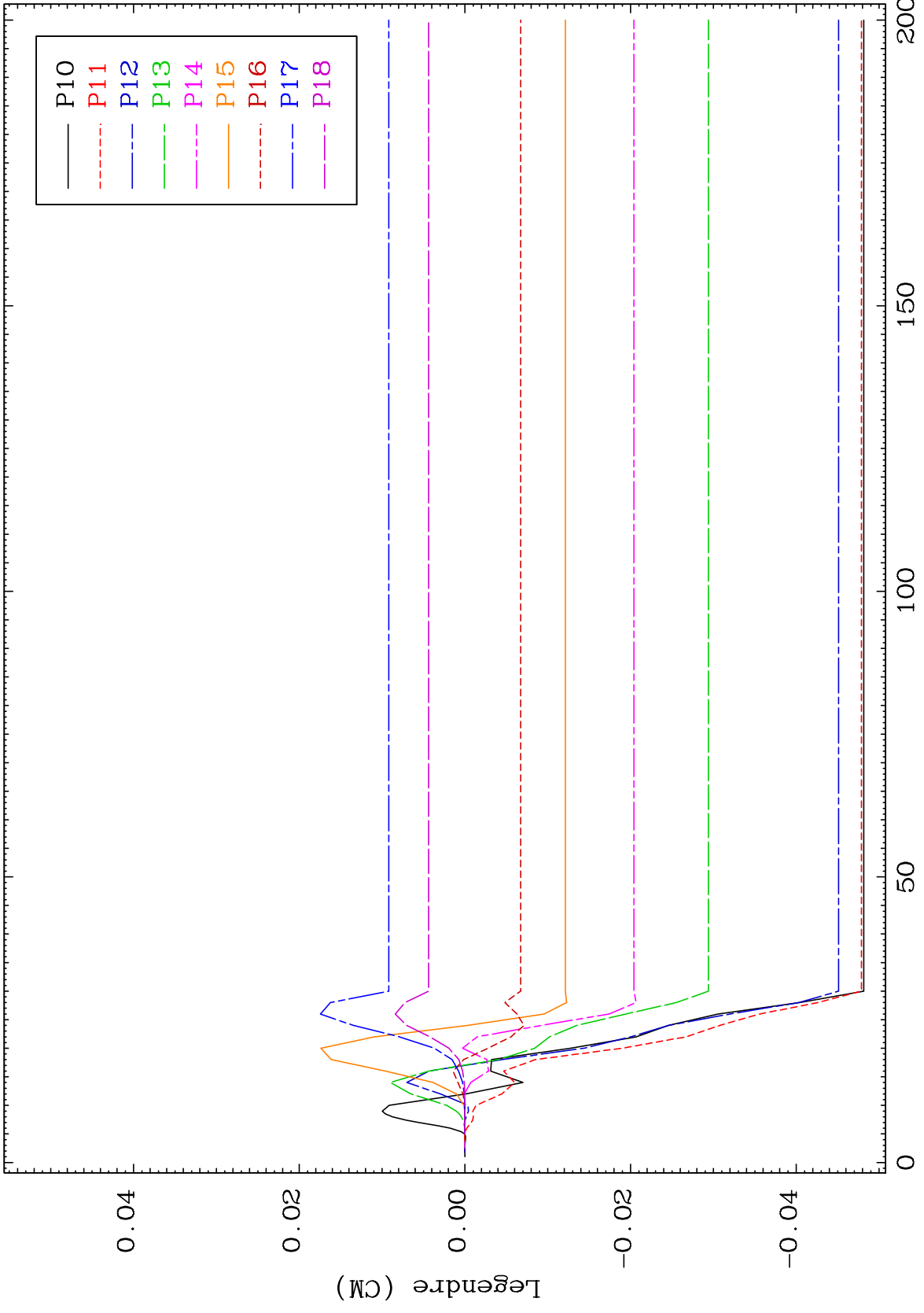
Incident Energy (MeV)

57-La-147

MAT 5752

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

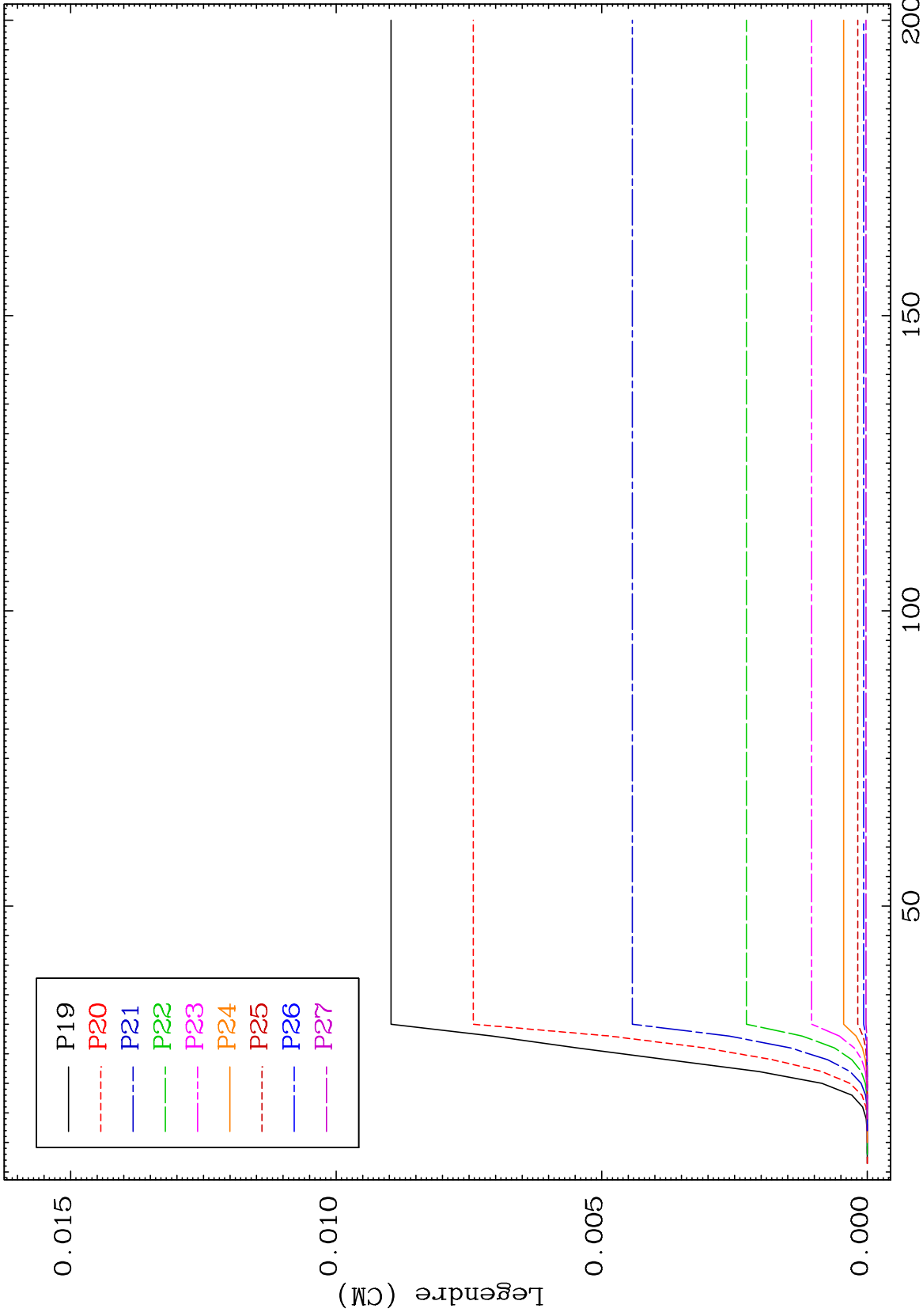
57-La-147



65

Incident Energy (MeV)

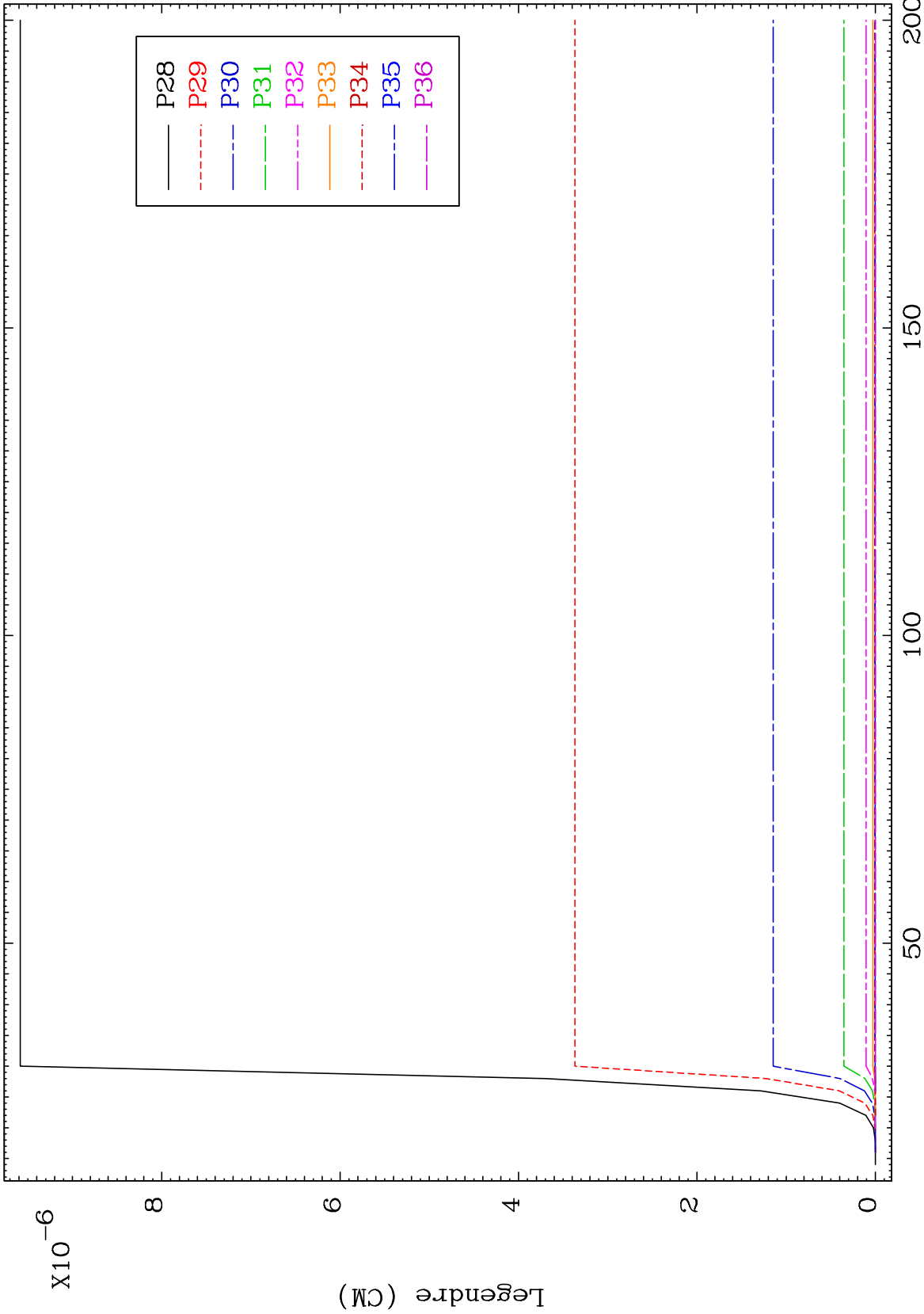
57-La-147



MAT 5752

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

57-La-147



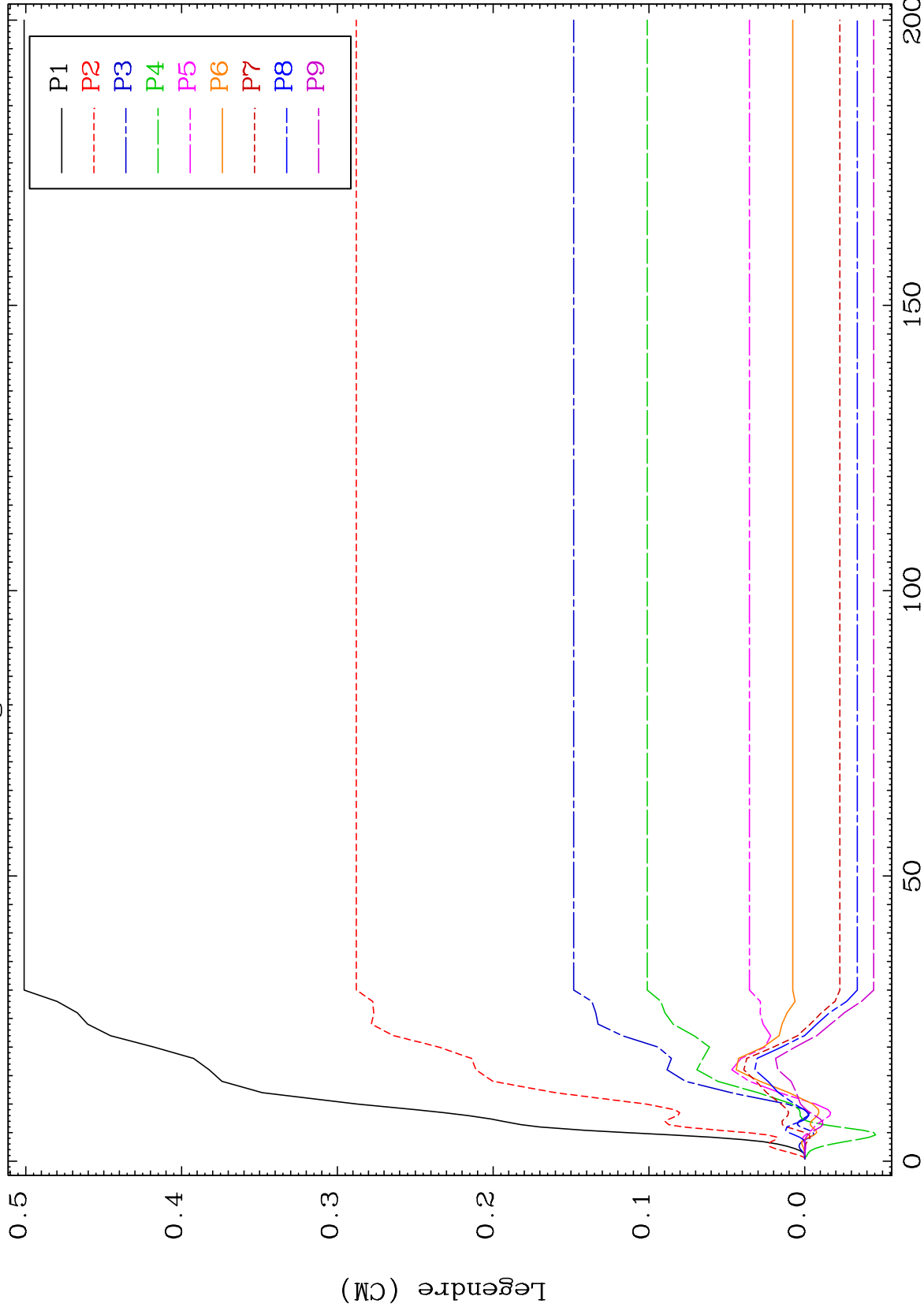
67

57-La-147

MAT 5752

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

57-La-147



68

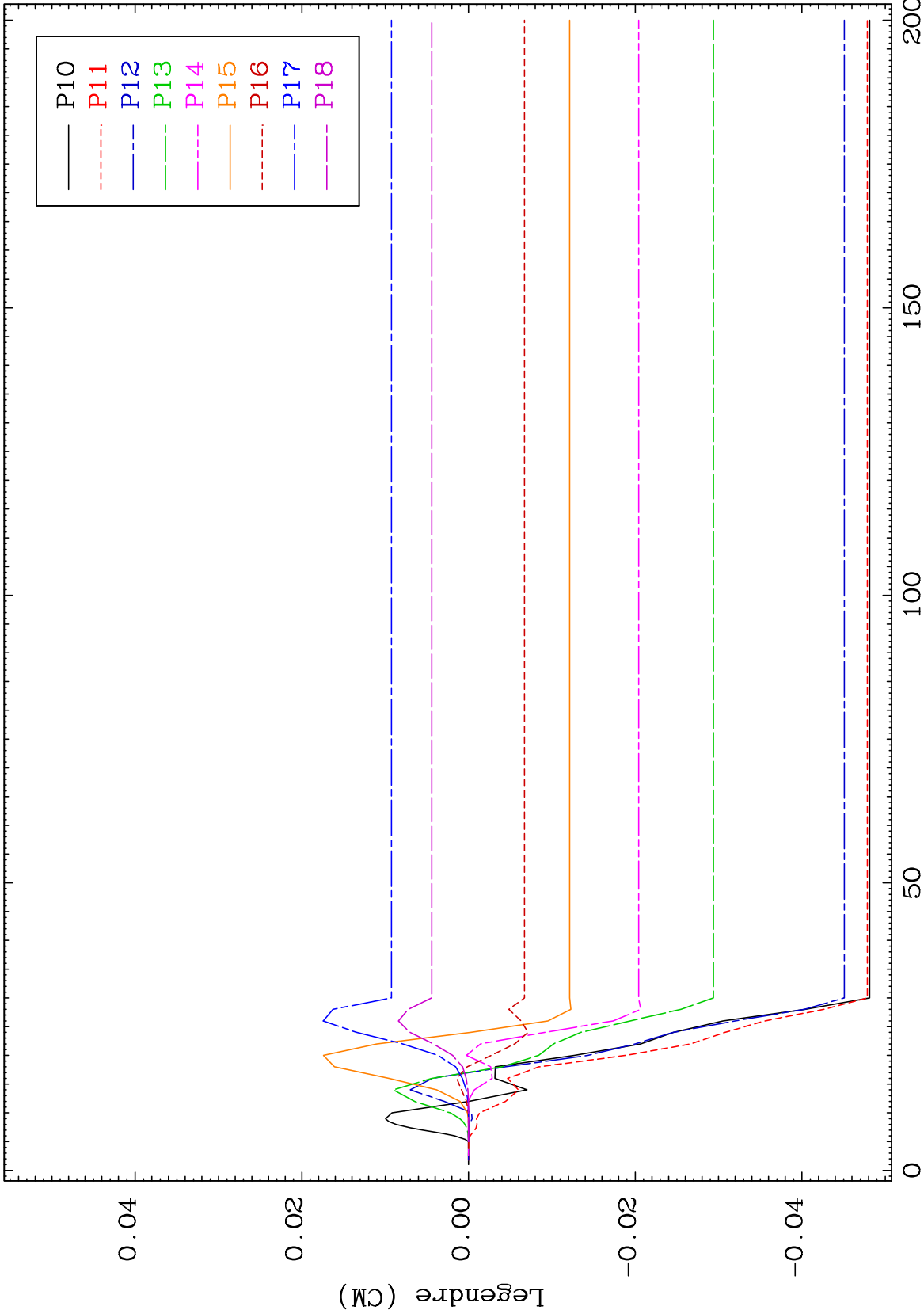
Incident Energy (MeV)

57-La-147

MAT 5752

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

57-La-147



69

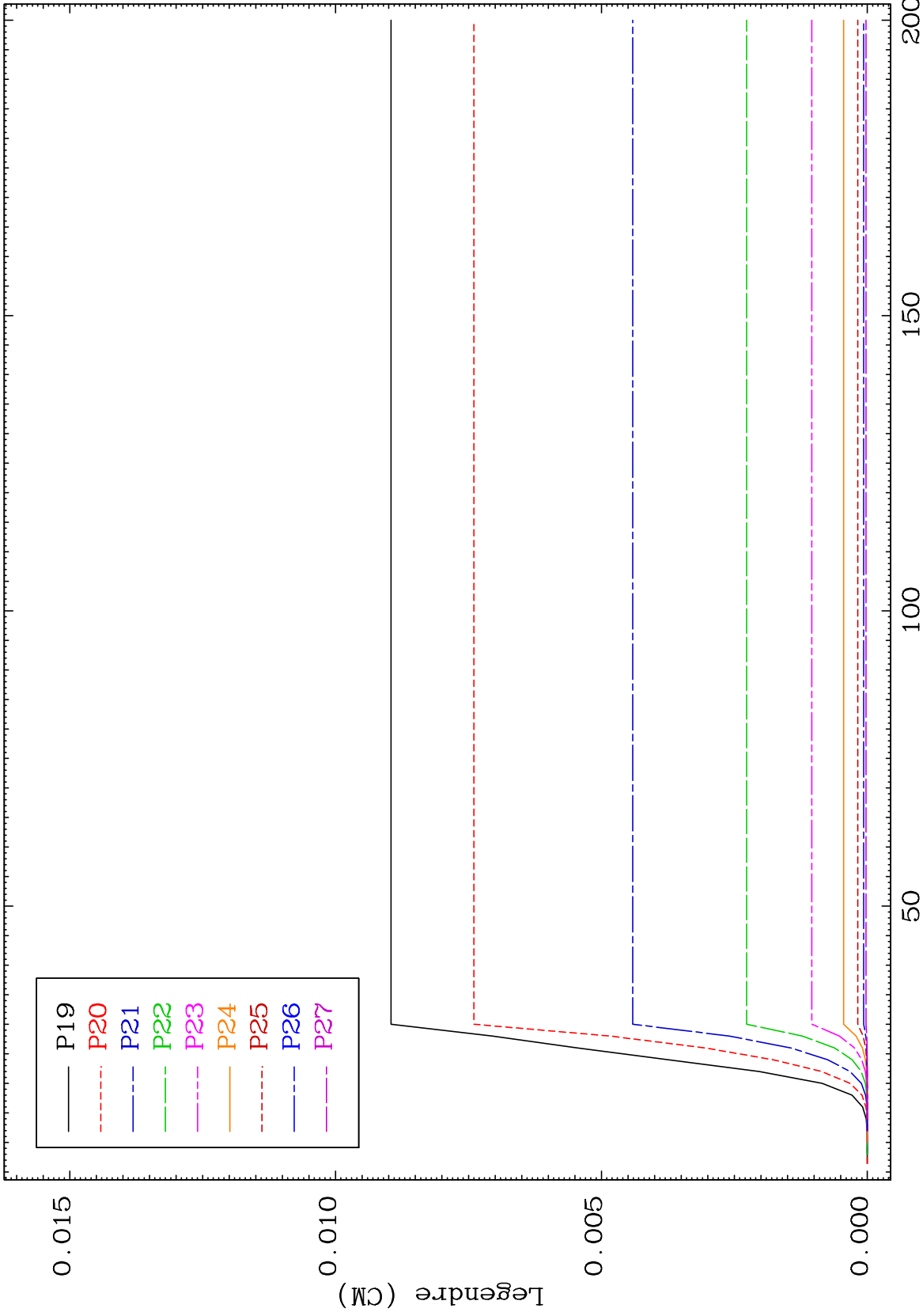
Incident Energy (MeV)

57-La-147

MAT 5752

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

57-La-147



70

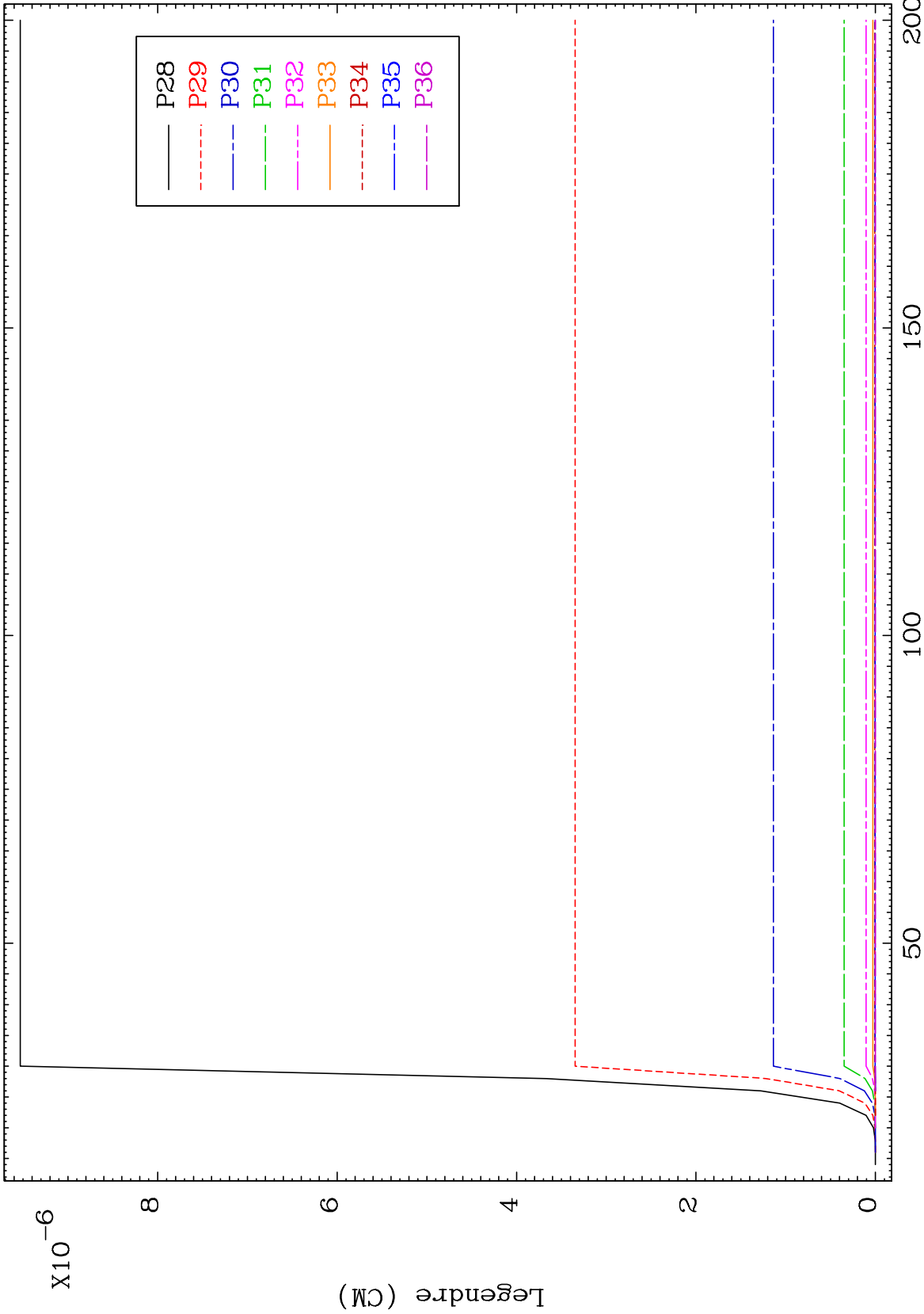
Incident Energy (MeV)

57-La-147

MAT 5752

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

57-La-147



71

Incident Energy (MeV)

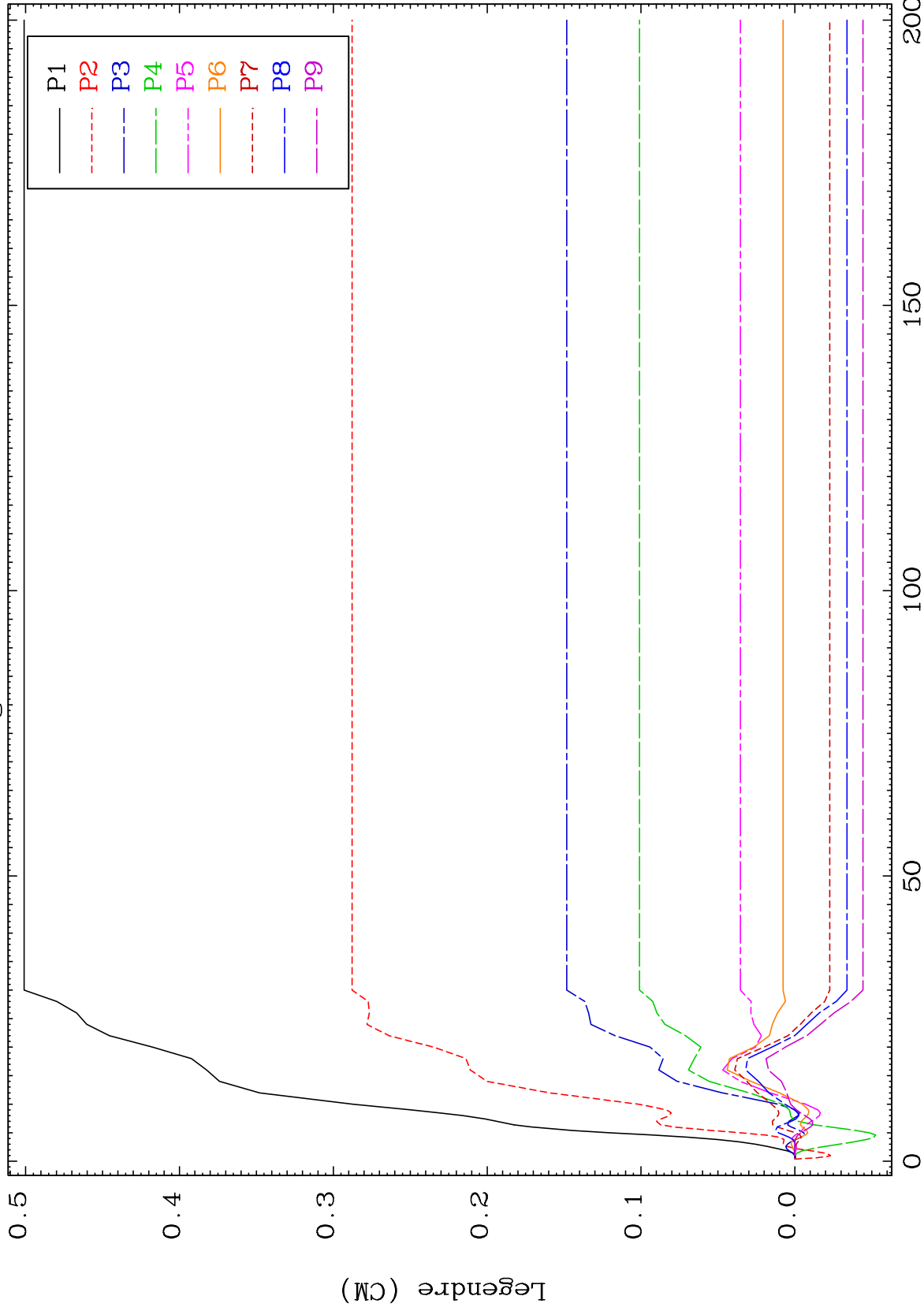
57-La-147



MAT 5752

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

57-La-147



72

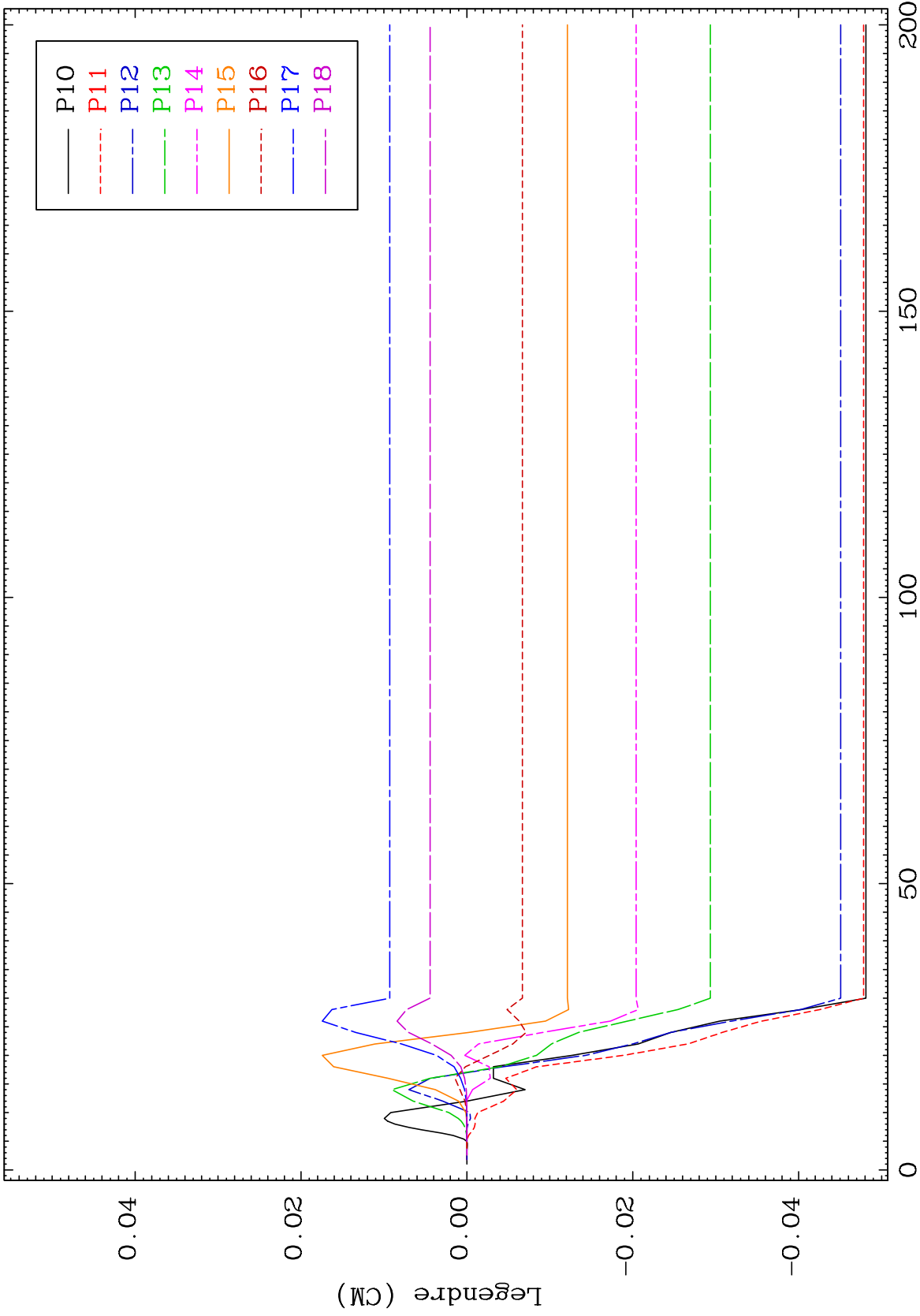
Incident Energy (MeV)

57-La-147

MAT 5752

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

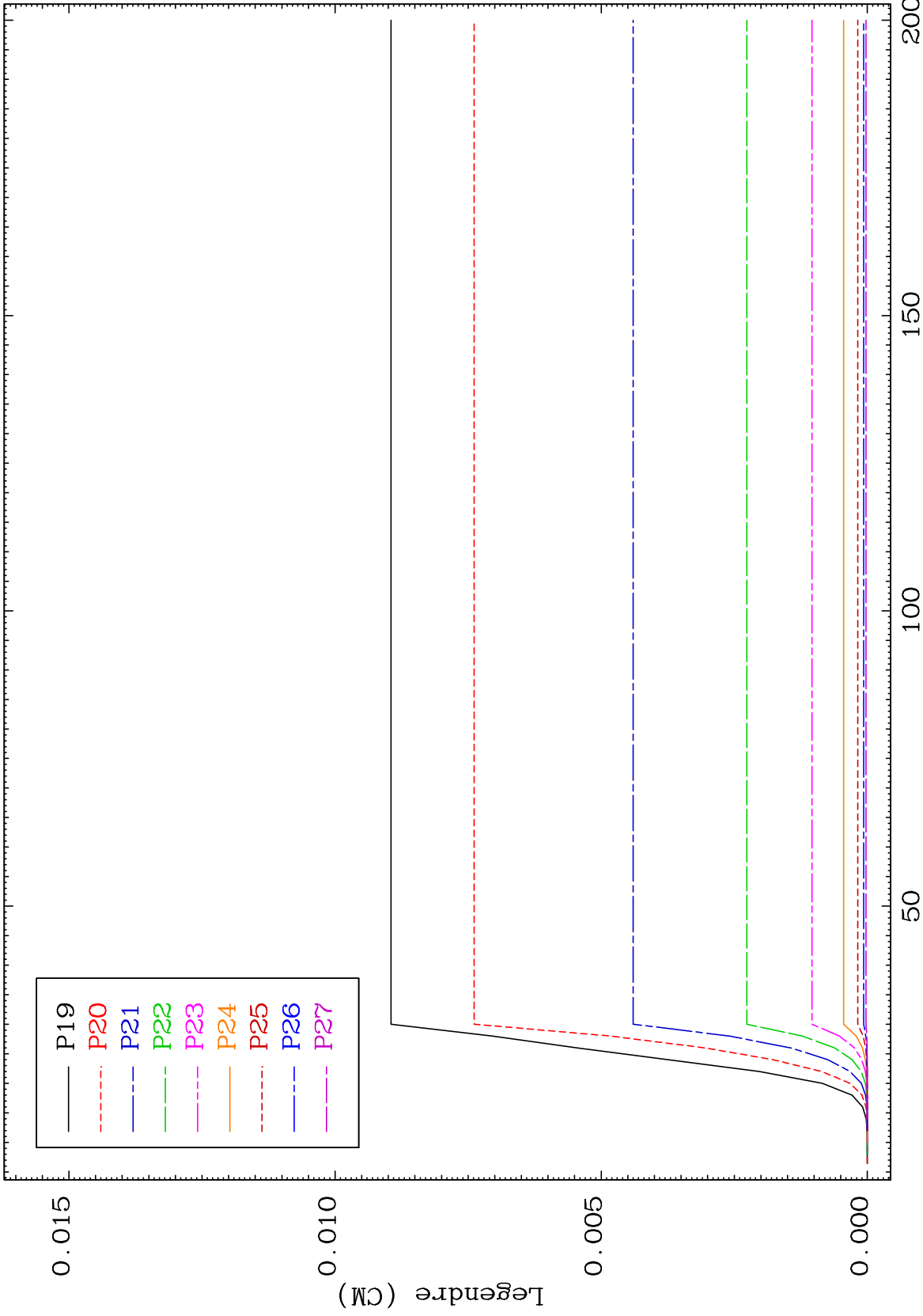
57-La-147



73

Incident Energy (MeV)

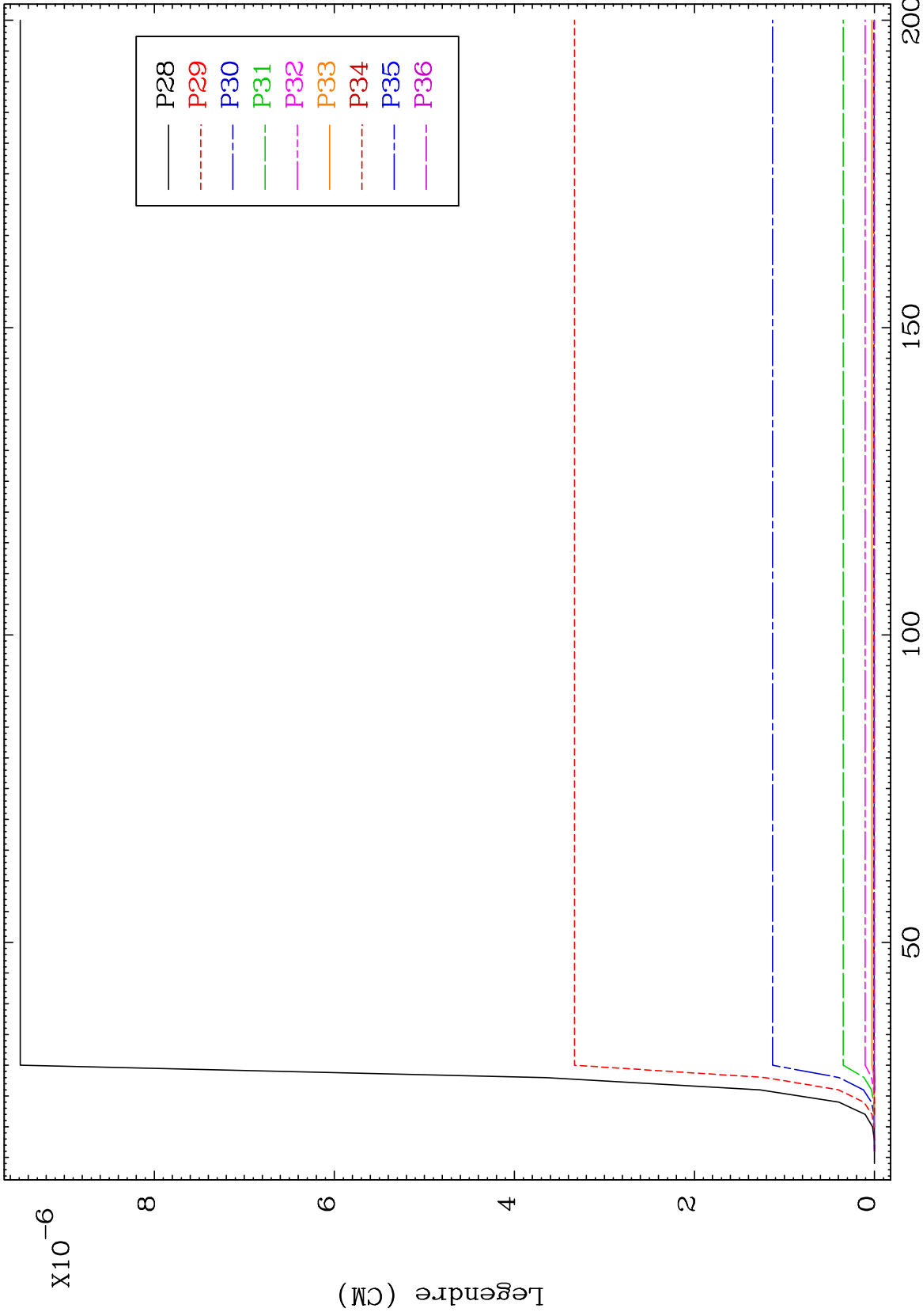
57-La-147



MAT 5752

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

57-La-147



75

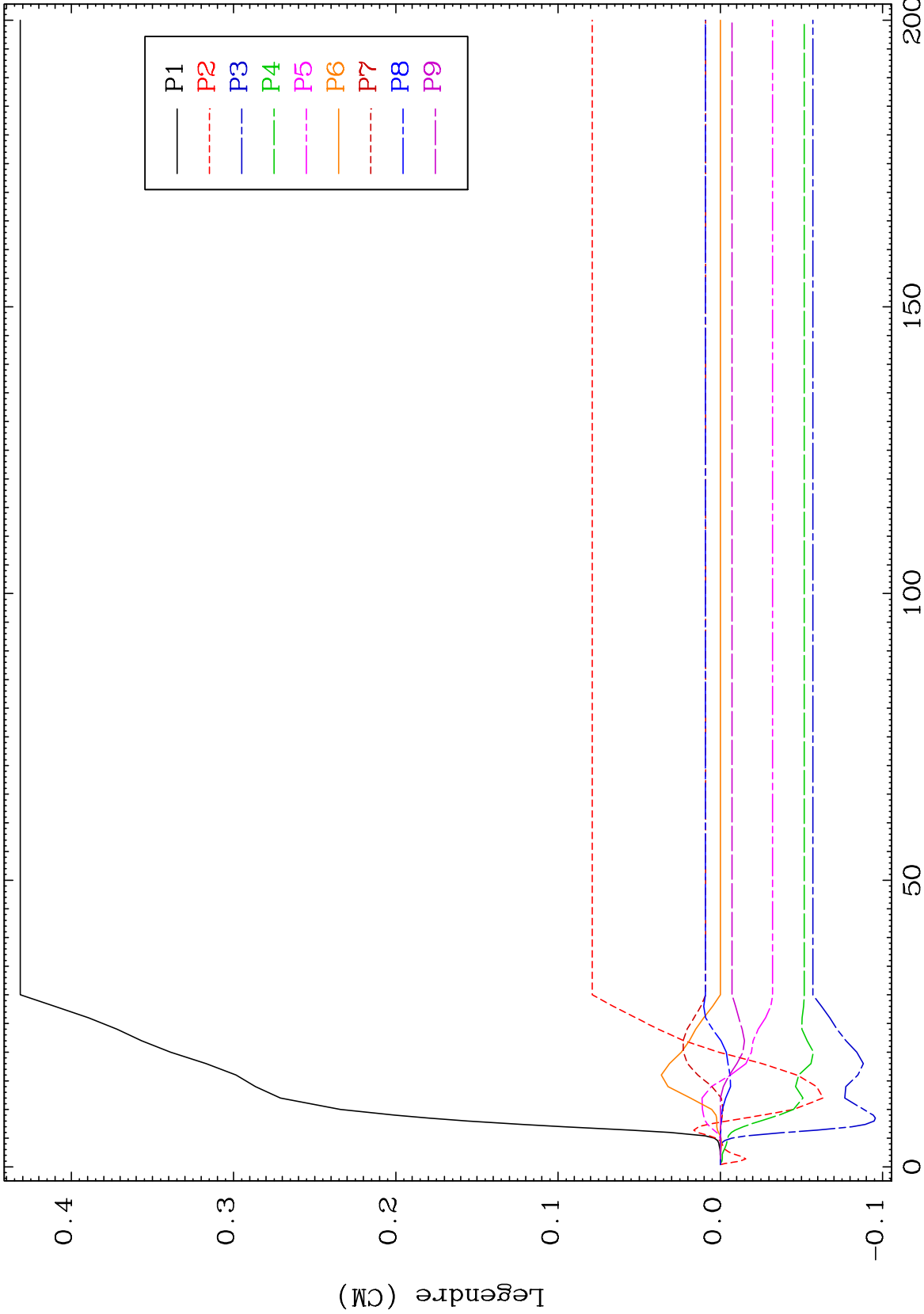
Incident Energy (MeV)

57-La-147

MAT 5752

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

57-La-147



76

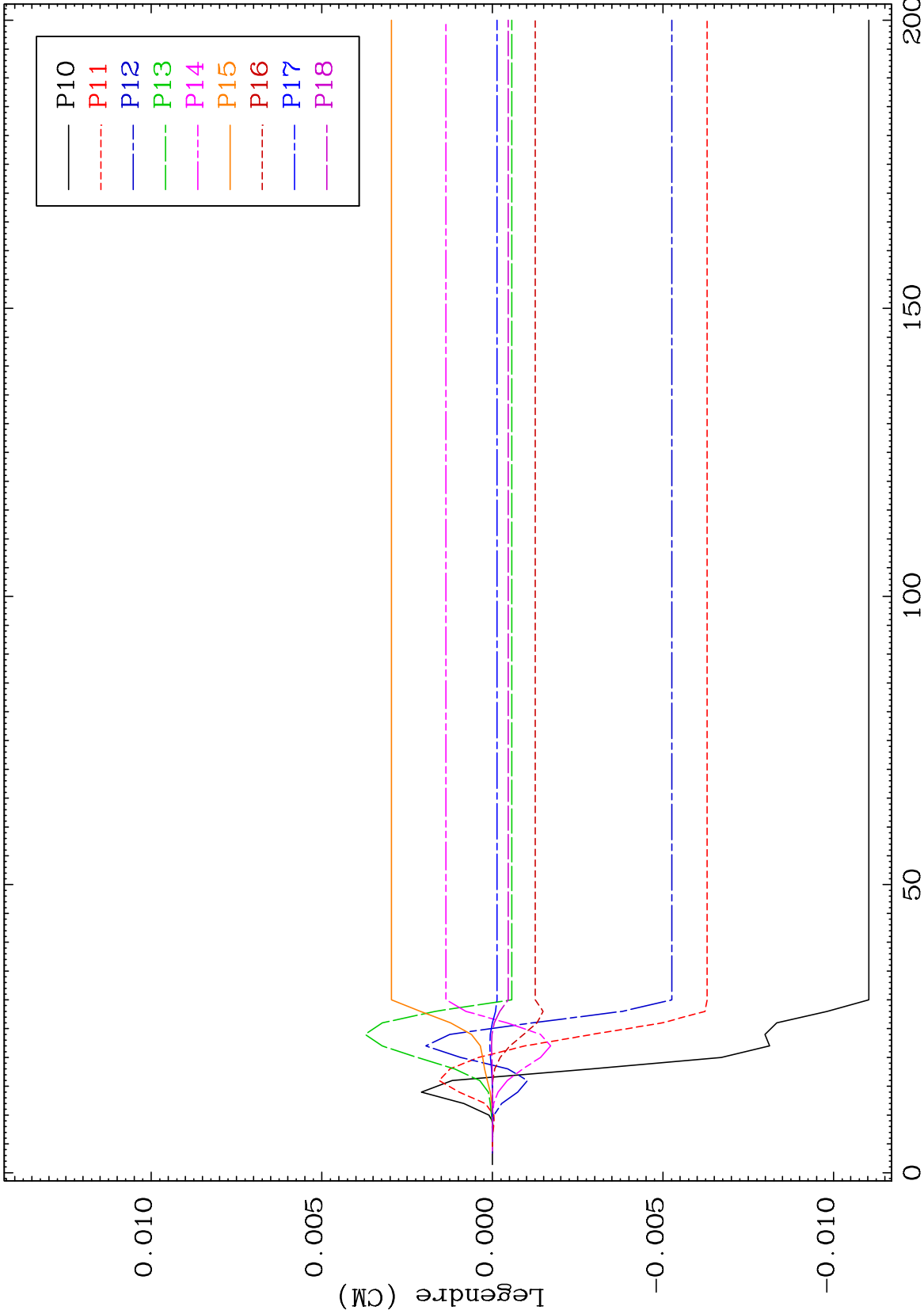
Incident Energy (MeV)

57-La-147

MAT 5752

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

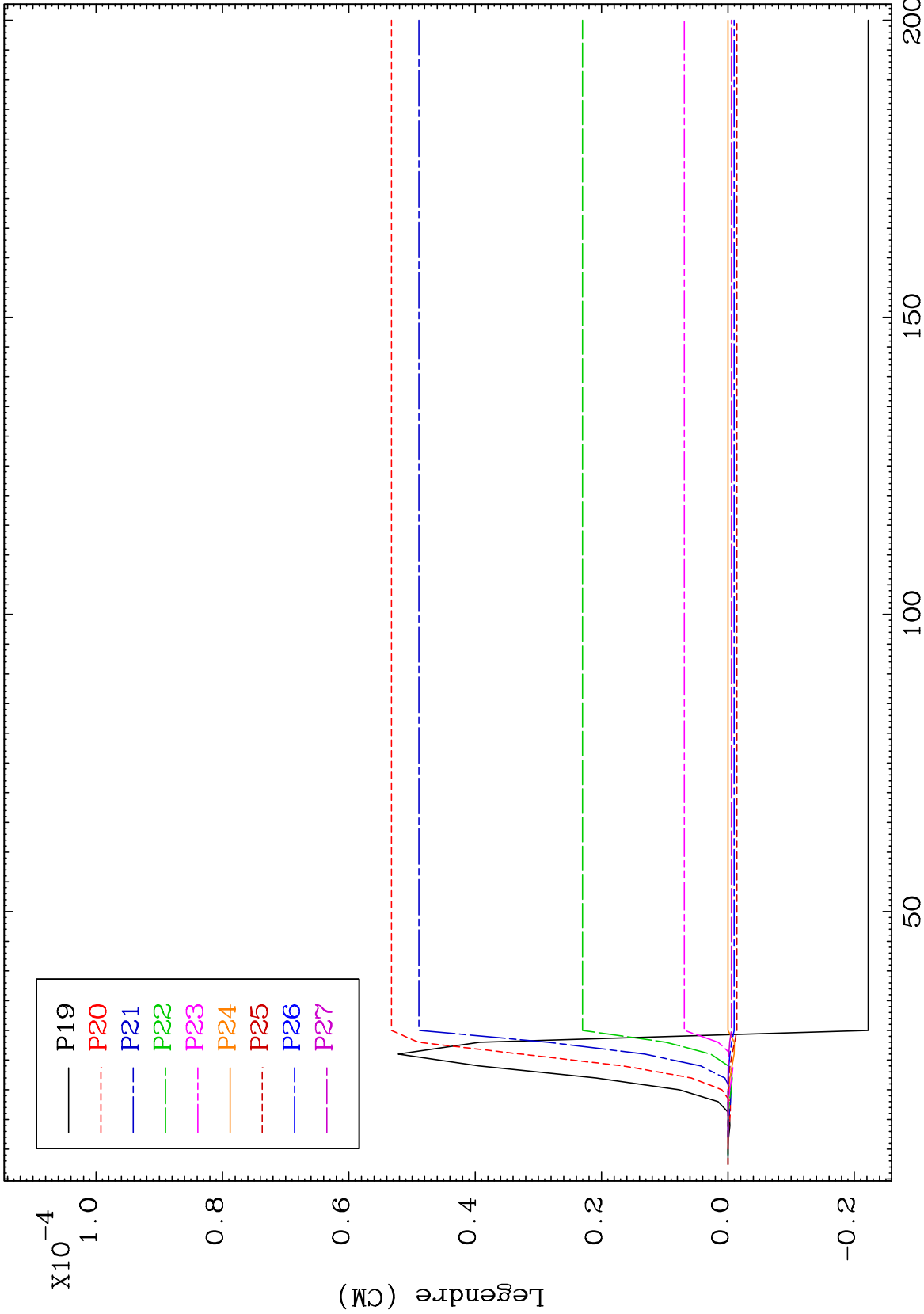
57-La-147



77

Incident Energy (MeV)

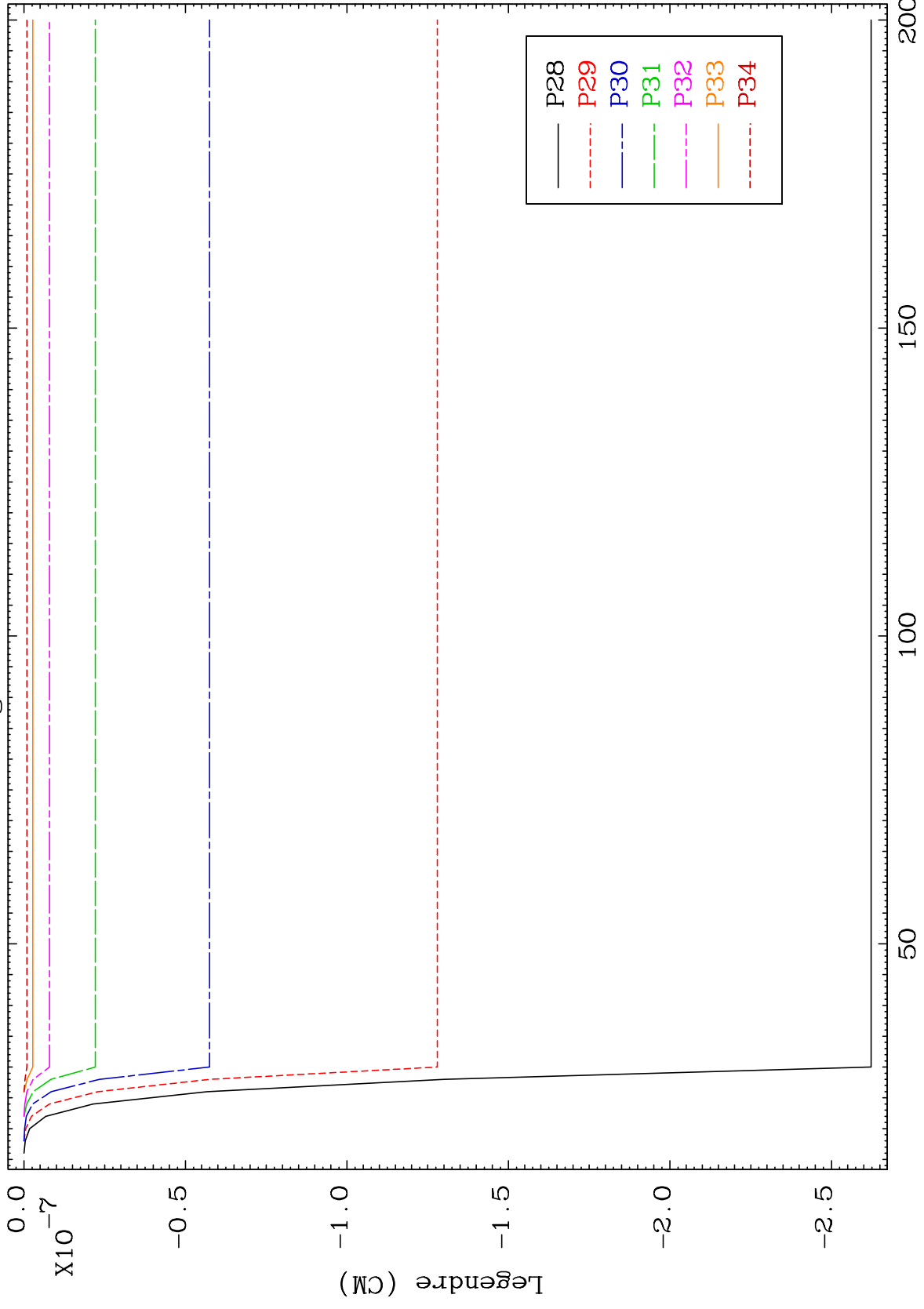
57-La-147



MAT 5752

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

57-La-147



57-La-147

Incident Energy (MeV)

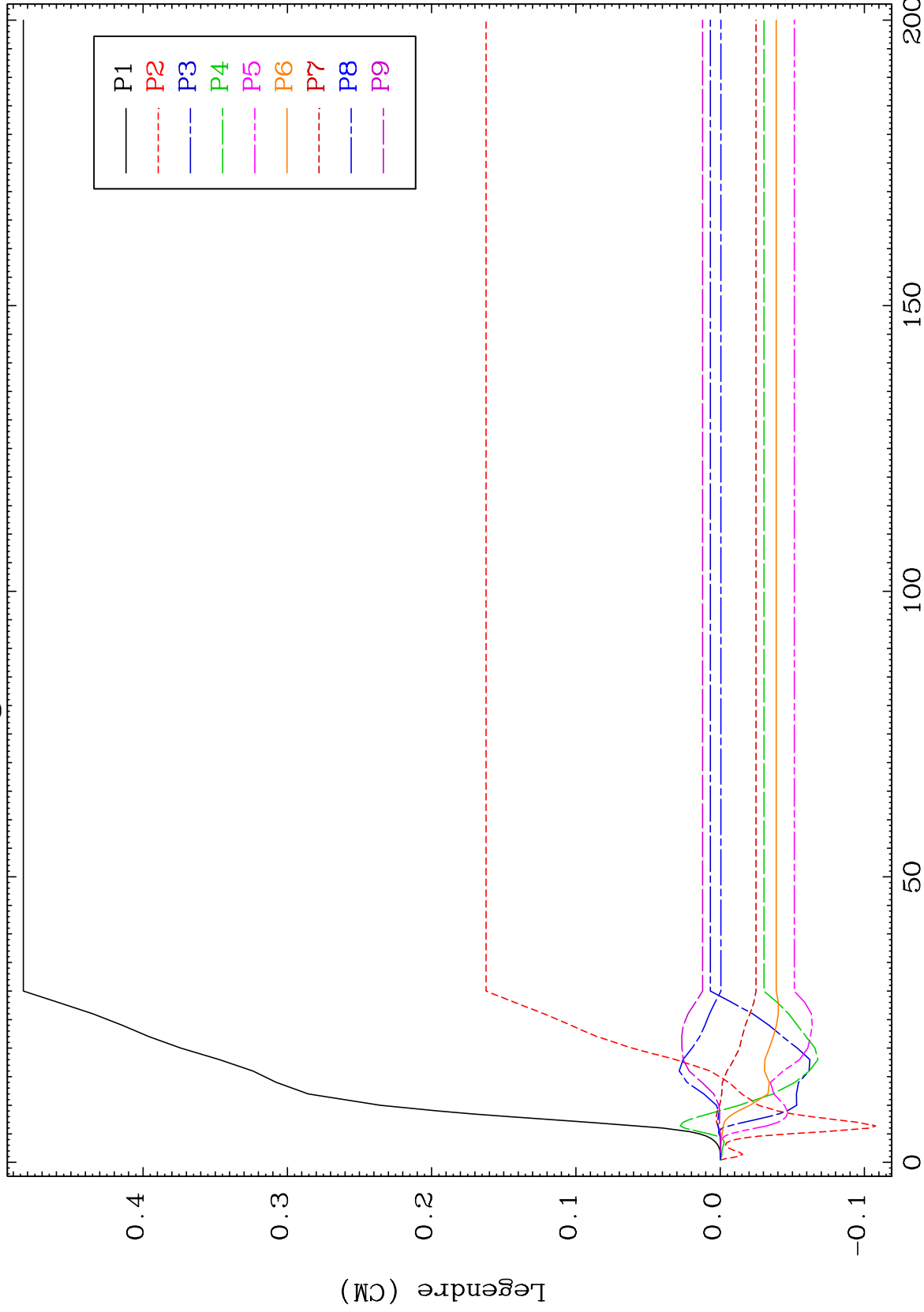
79



MAT 5752

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

57-La-147



57-La-147

Incident Energy (MeV)

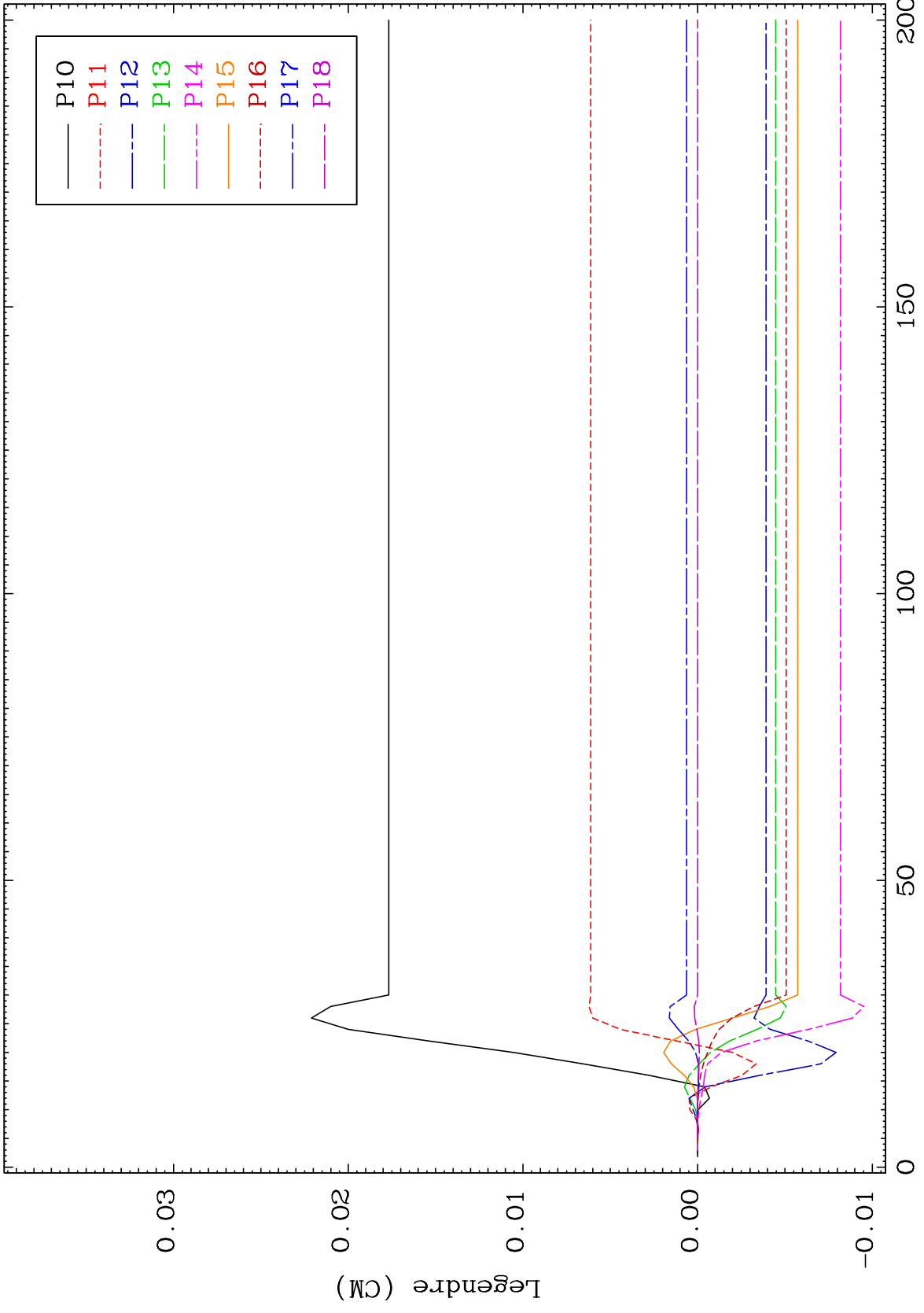
80

200

MAT 5752

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

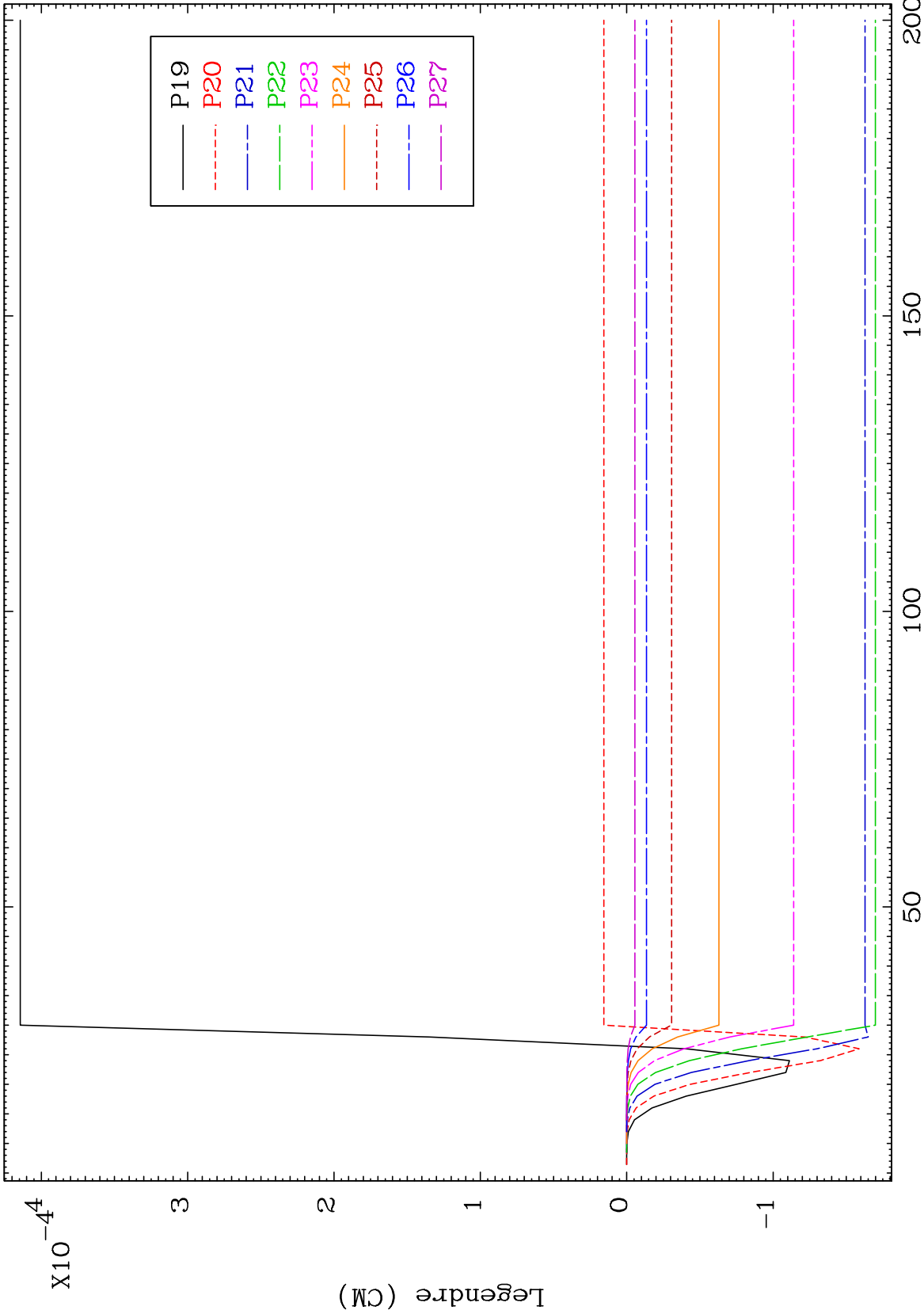
57-La-147



81

Incident Energy (MeV)

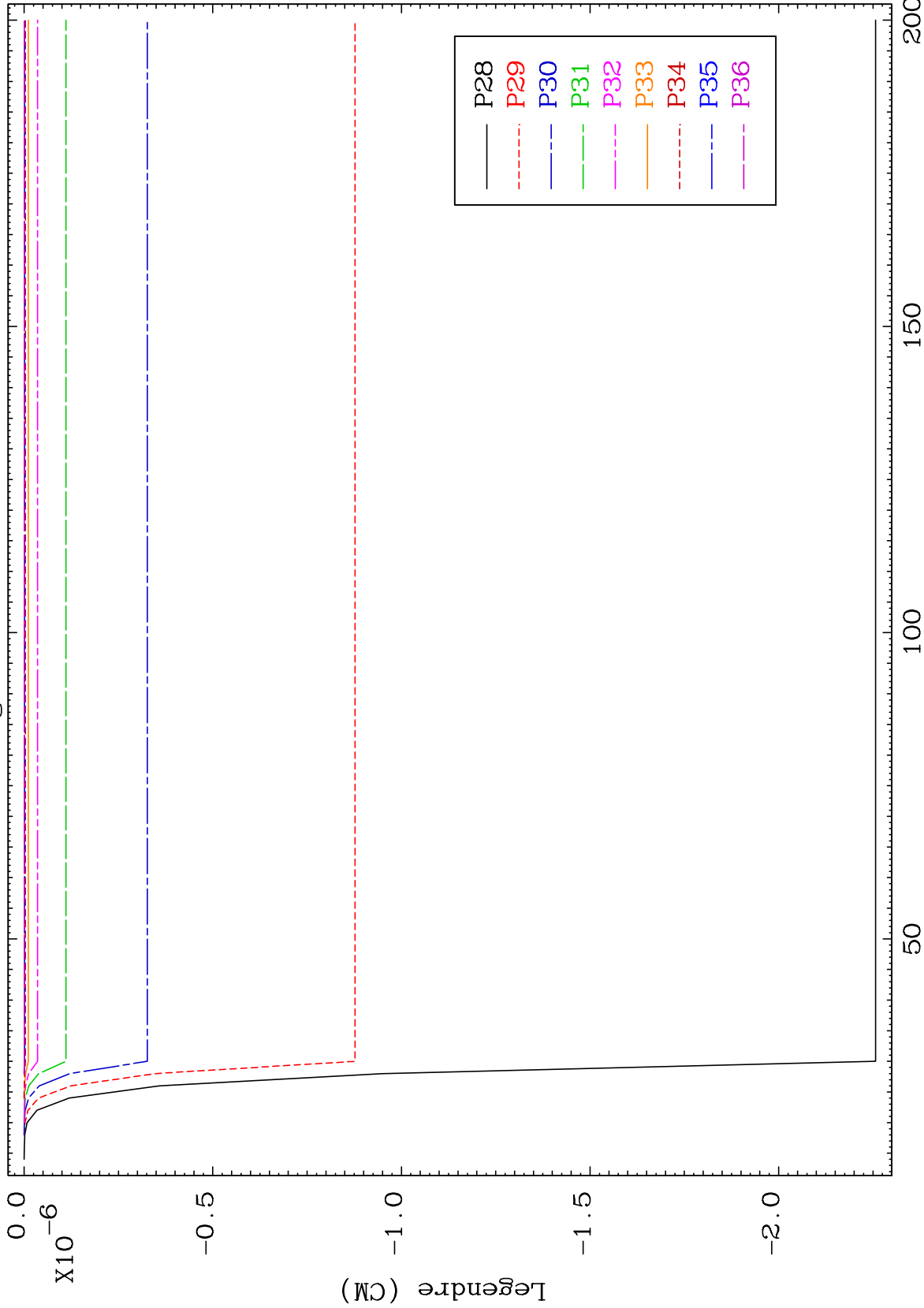
57-La-147



MAT 5752

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

57-La-147



83

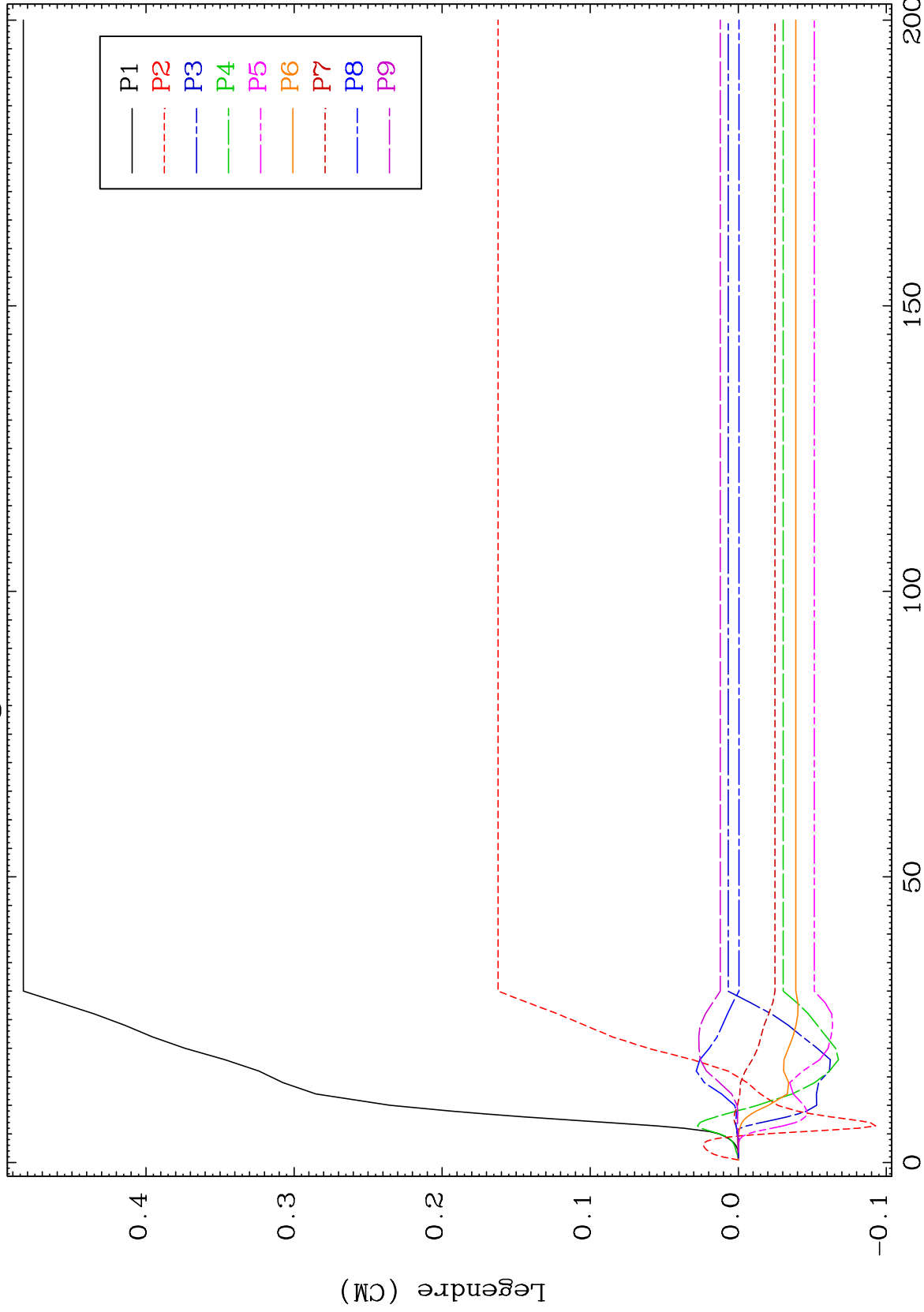
Incident Energy (MeV)

57-La-147

MAT 5752

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

57-La-147



84

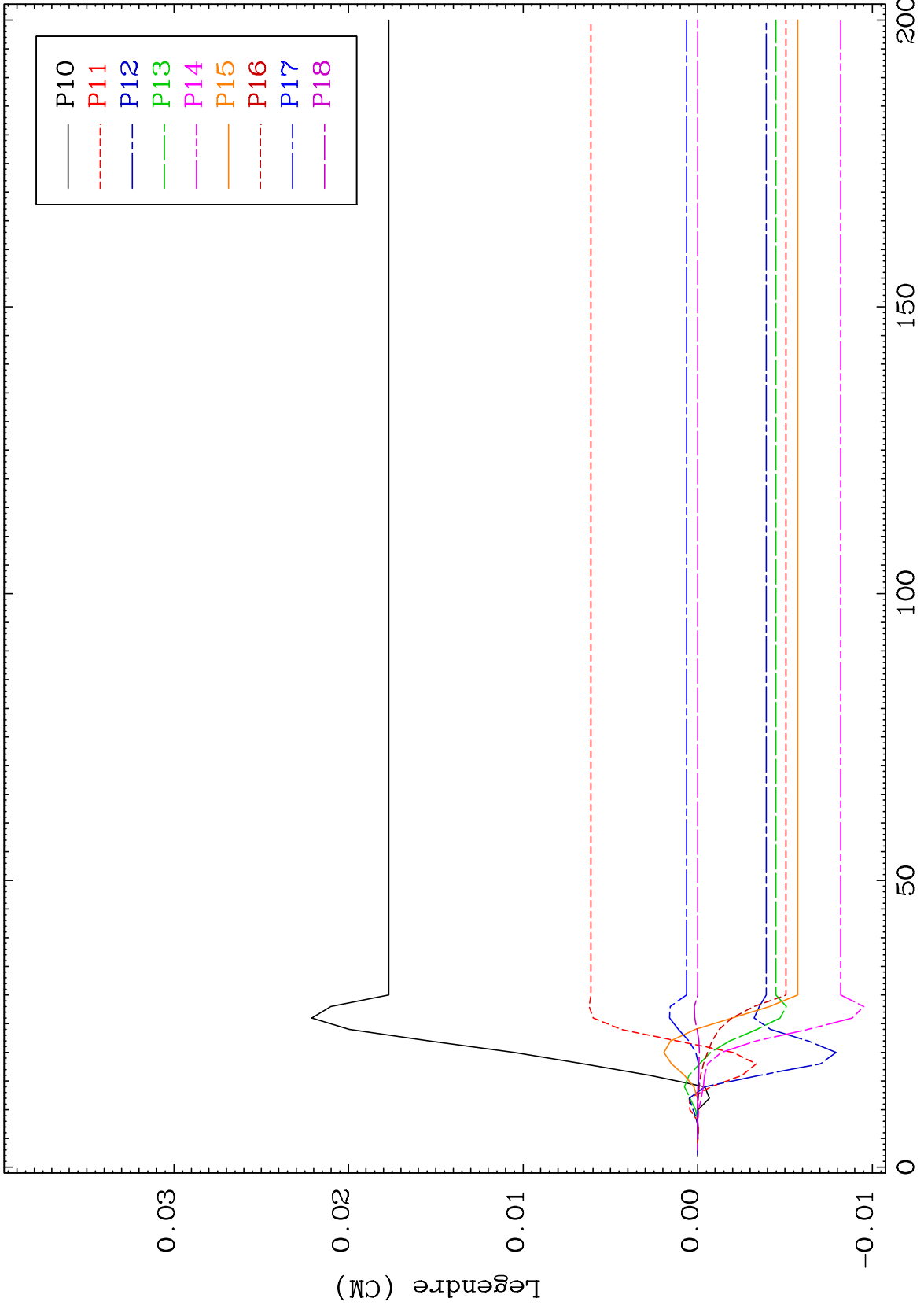
Incident Energy (MeV)

57-La-147

MAT 5752

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

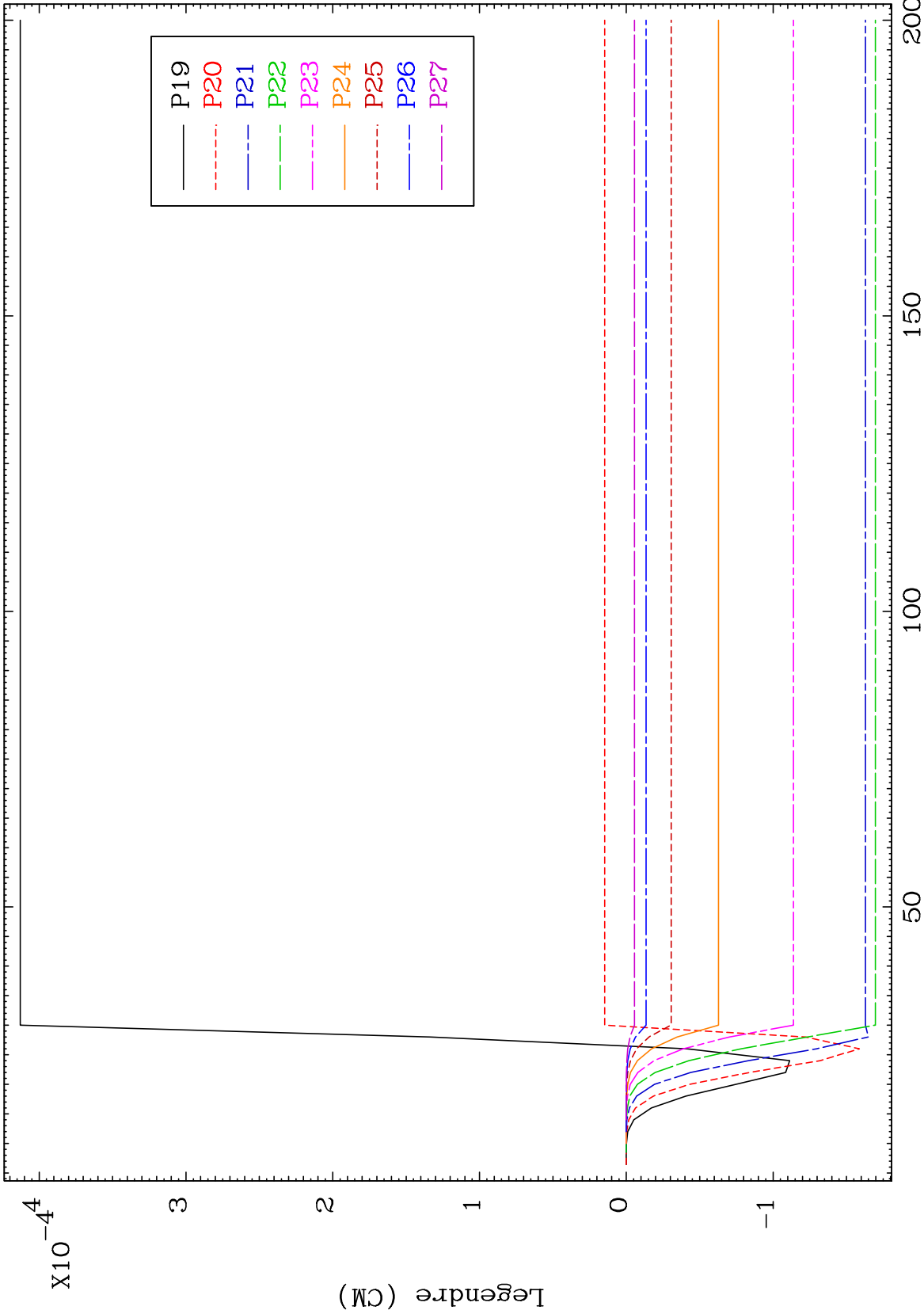
57-La-147



85

Incident Energy (MeV)

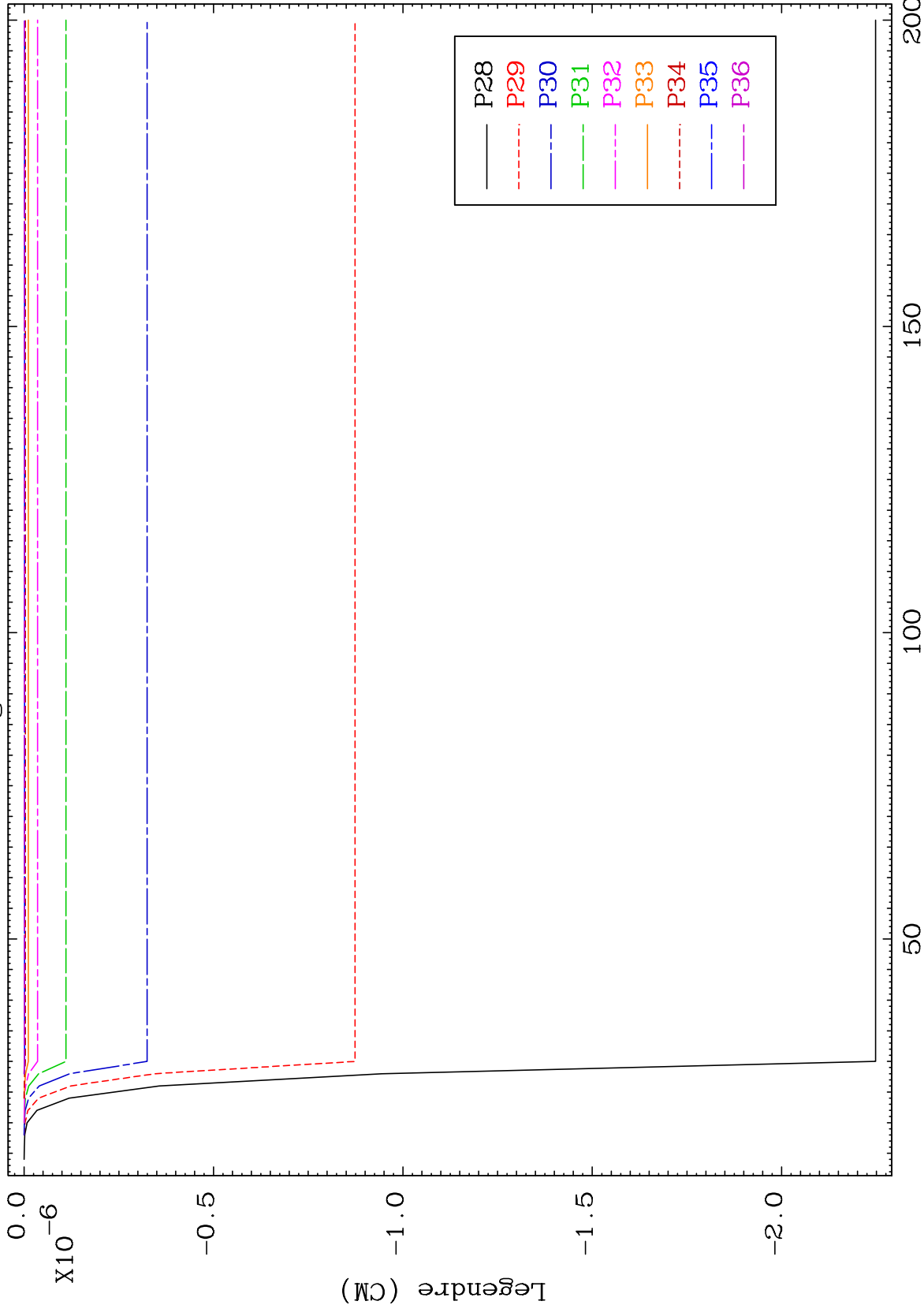
57-La-147



MAT 5752

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

57-La-147



57-La-147

Incident Energy (MeV)

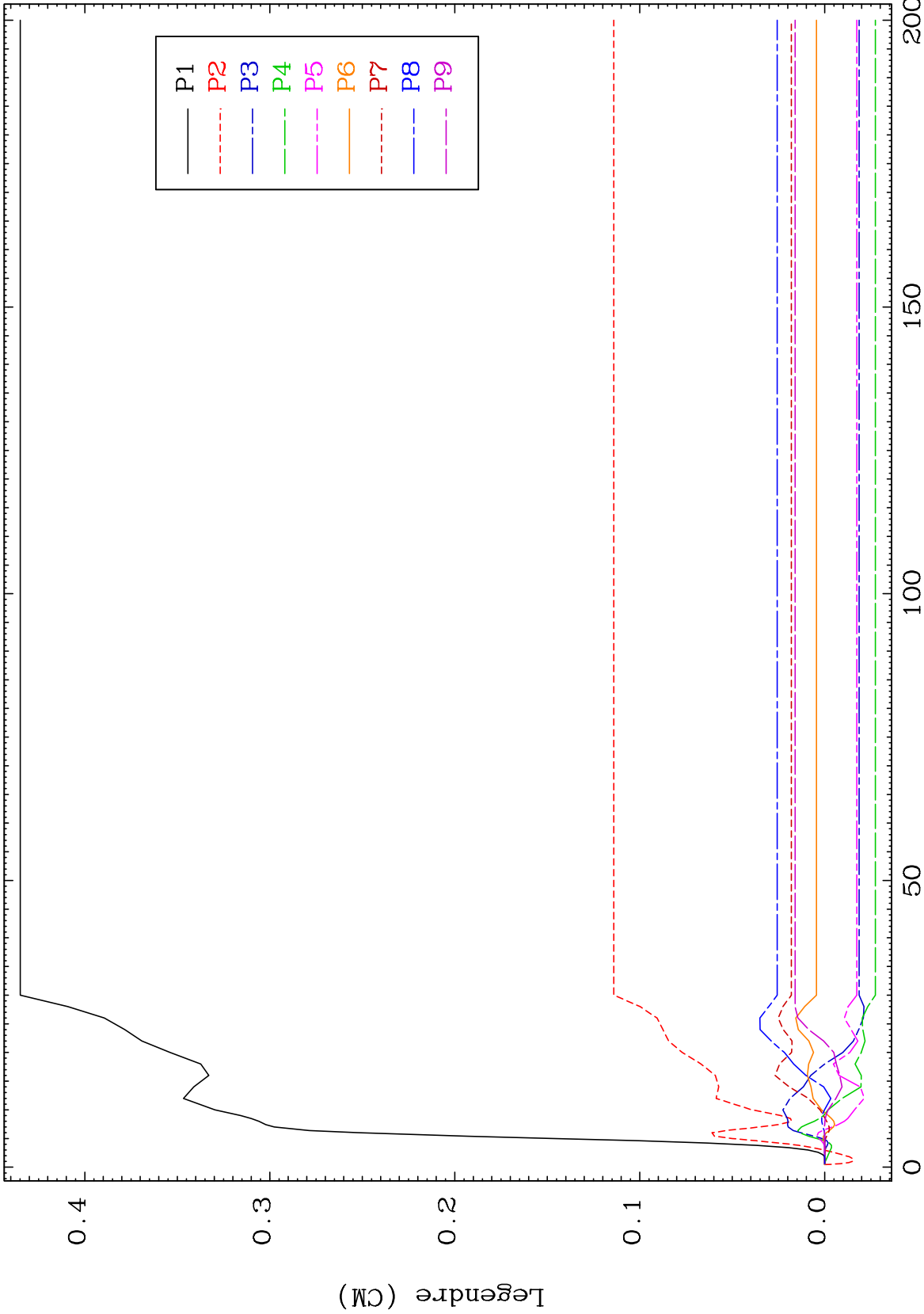
87



MAT 5752

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

57-La-147



88

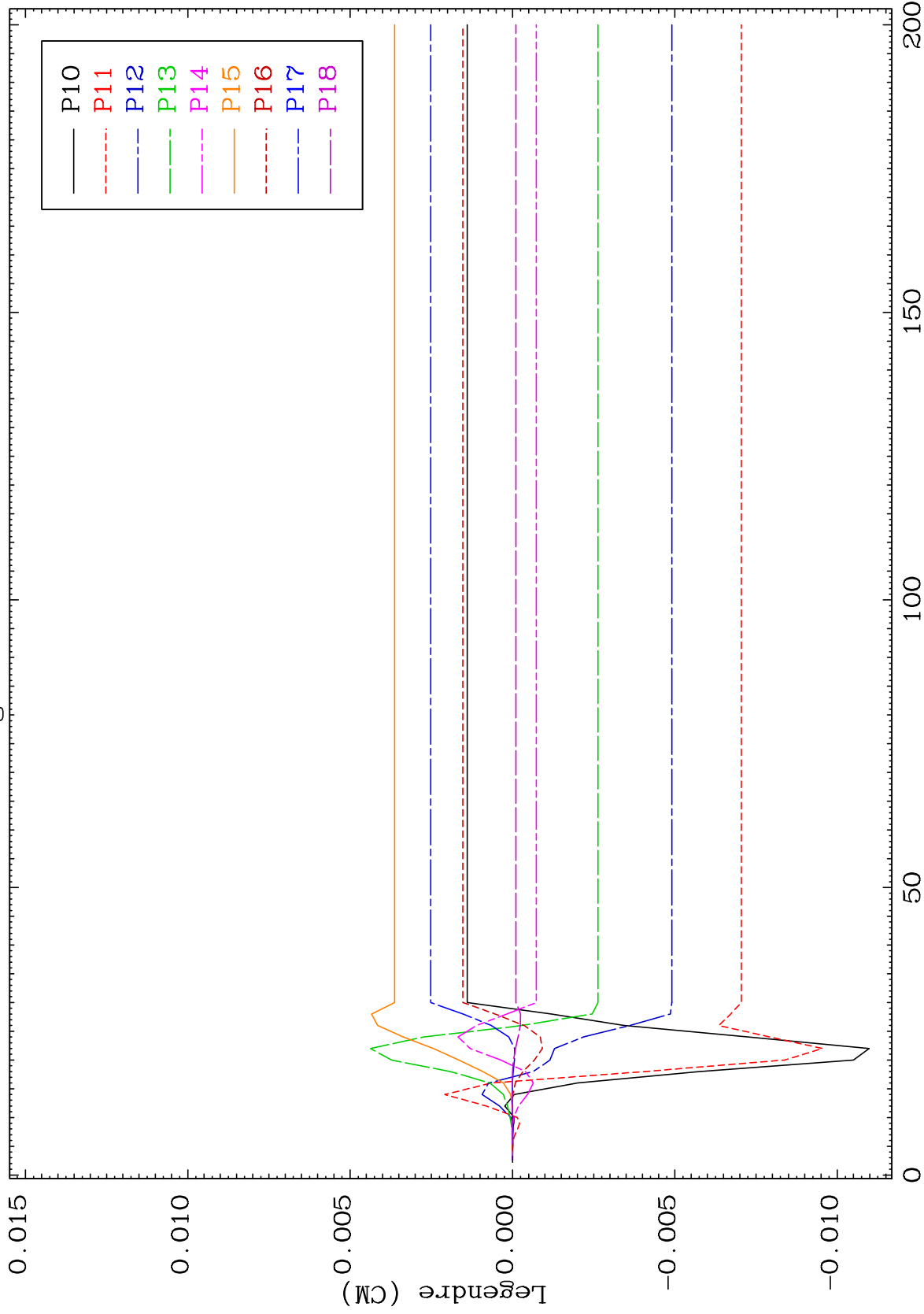
Incident Energy (MeV)

57-La-147

MAT 5752

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

57-La-147



89

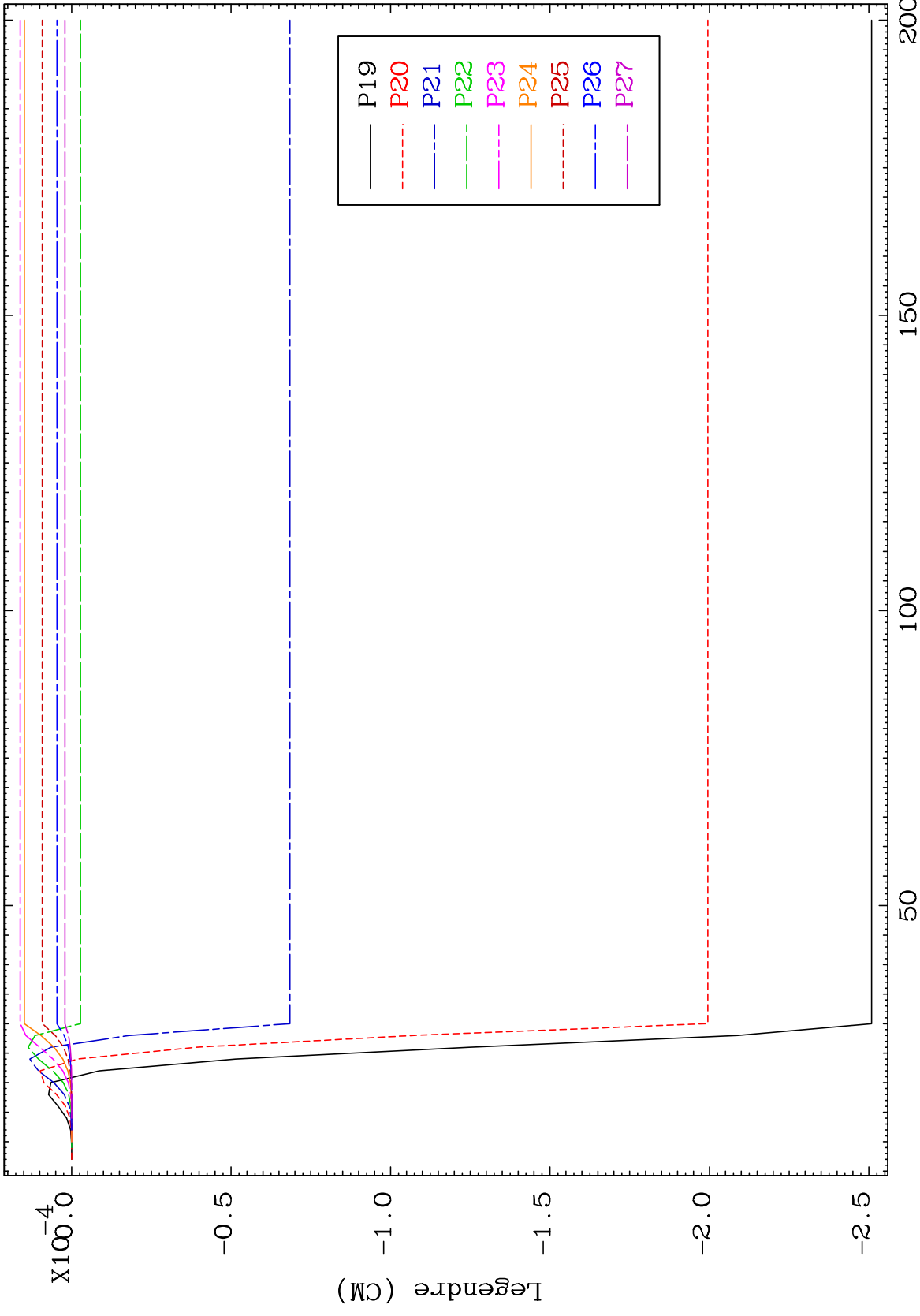
Incident Energy (MeV)

57-La-147

MAT 5752

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

57-La-147



57-La-147

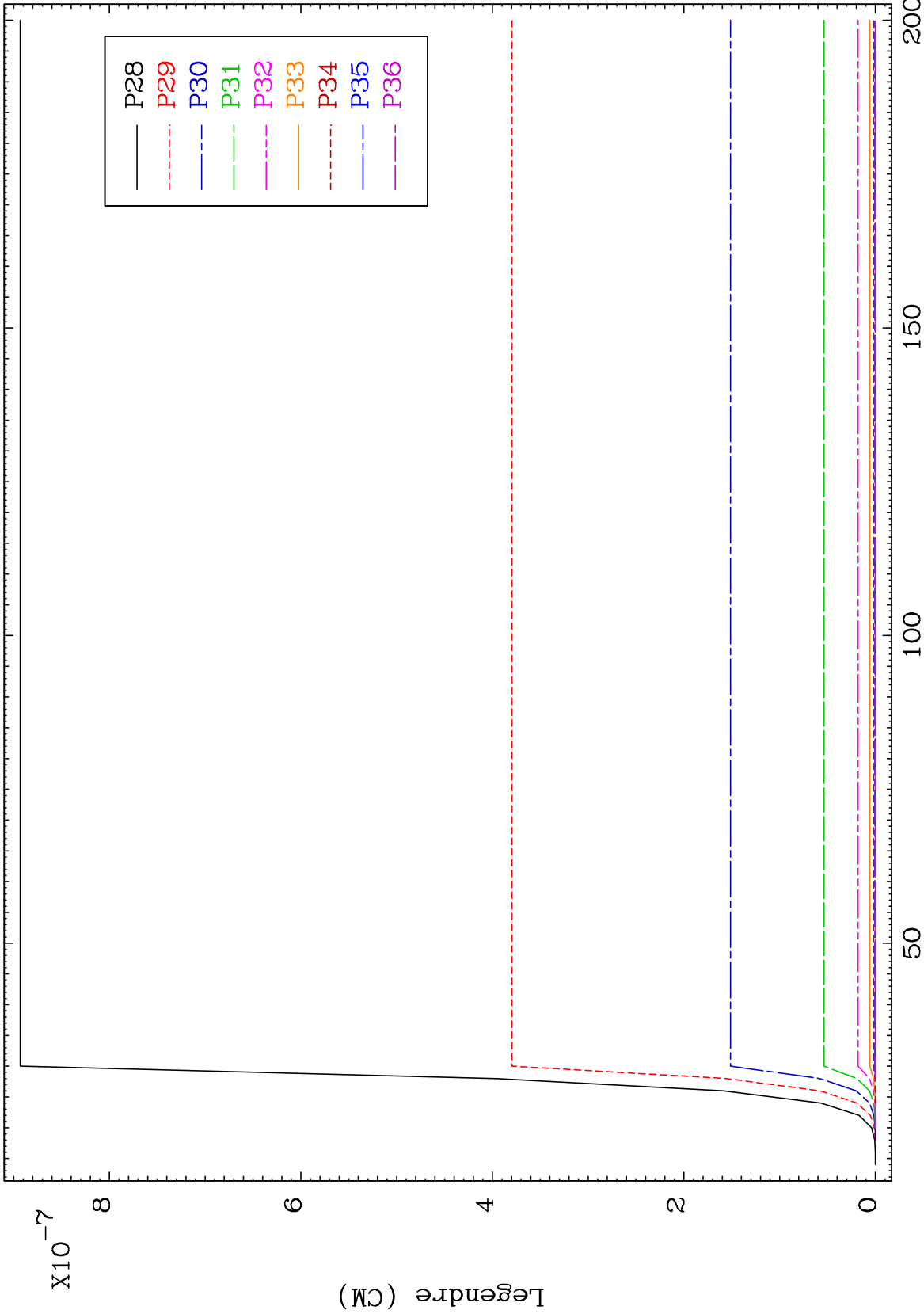
Incident Energy (MeV)

90

MAT 5752

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

57-La-147



91

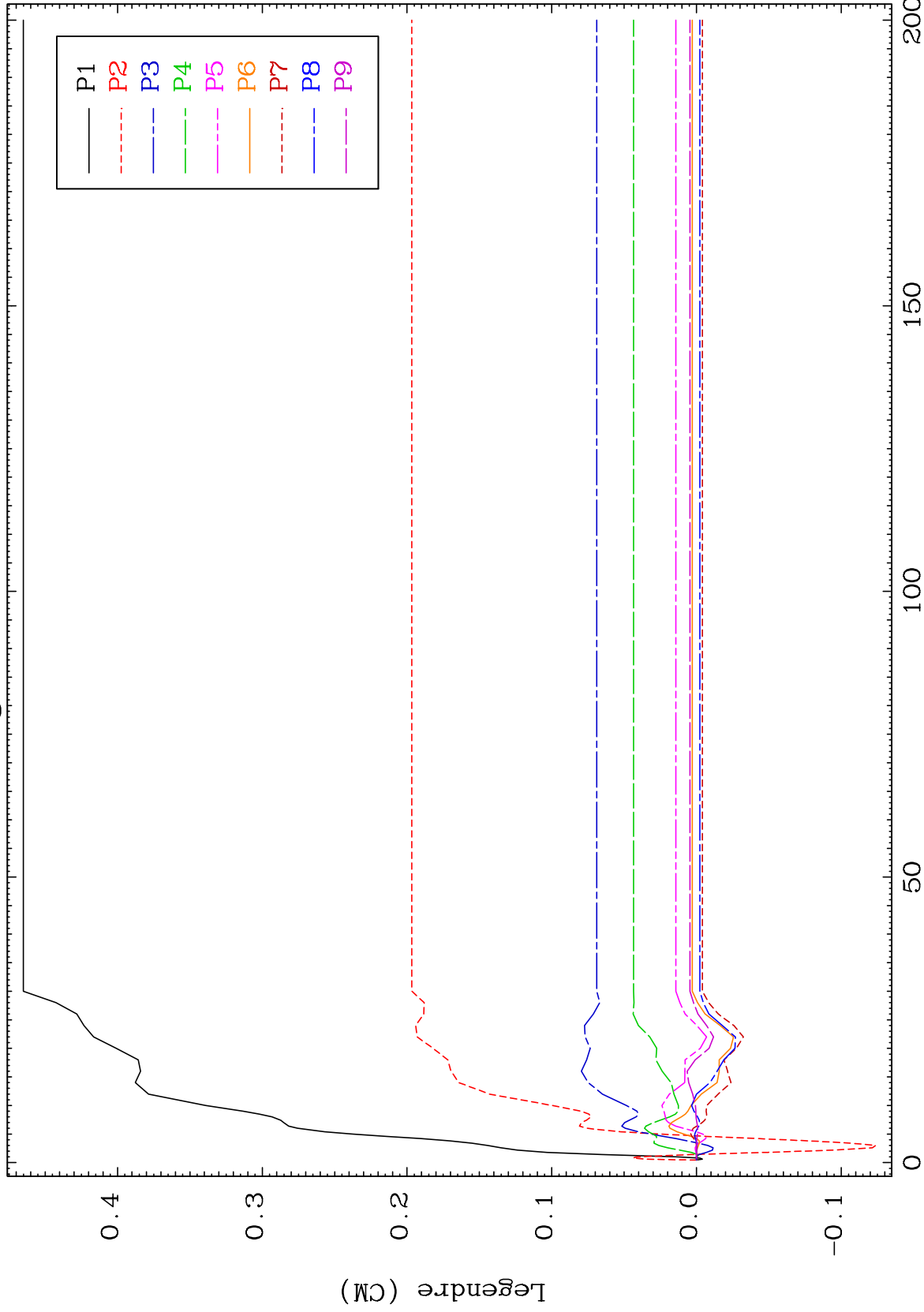
Incident Energy (MeV)

57-La-147

MAT 5752

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

57-La-147



92

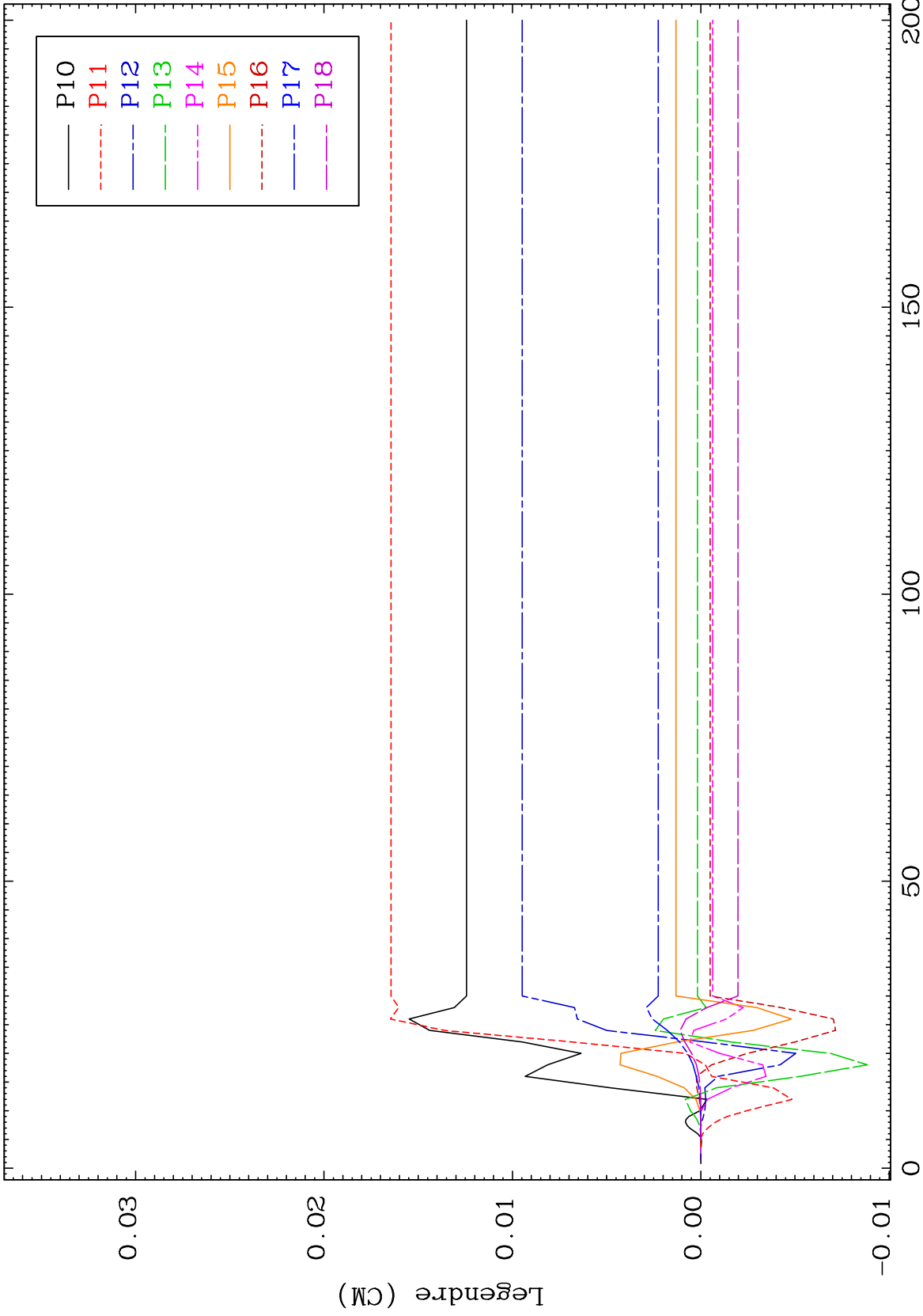
Incident Energy (MeV)

57-La-147

MAT 5752

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

57-La-147



93

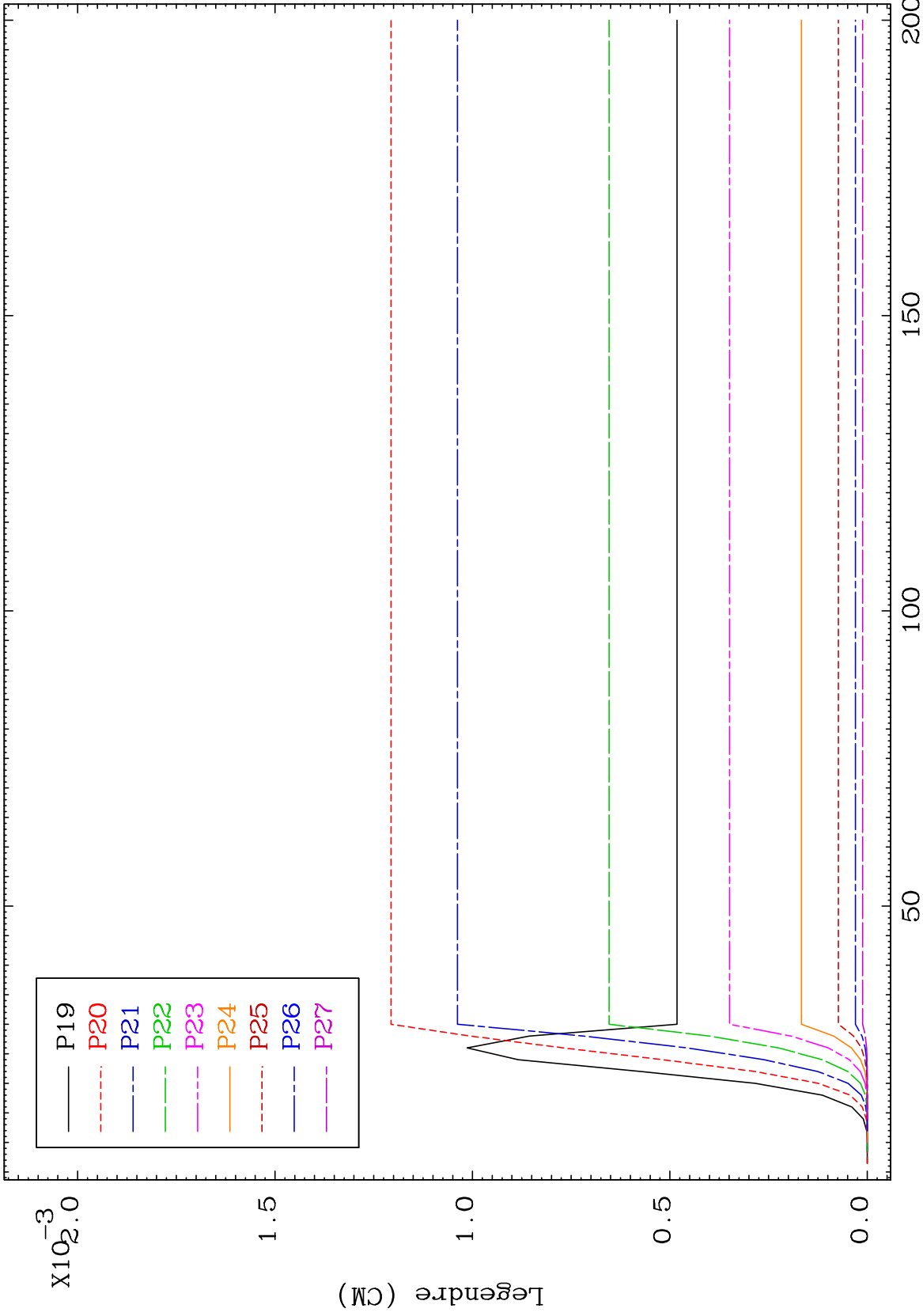
Incident Energy (MeV)

57-La-147

MAT 5752

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

57-La-147



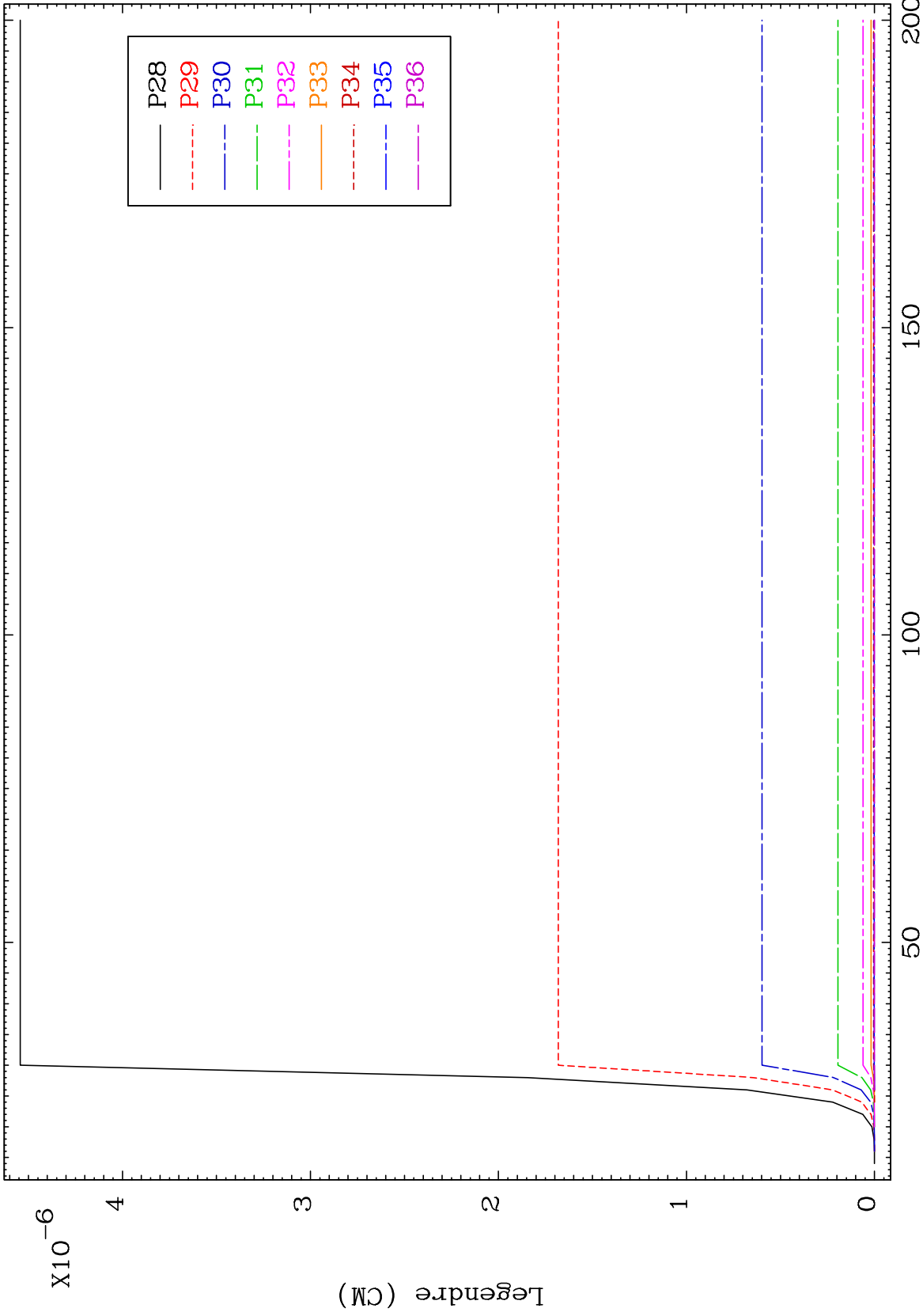
94

57-La-147

MAT 5752

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

57-La-147



95

Incident Energy (MeV)

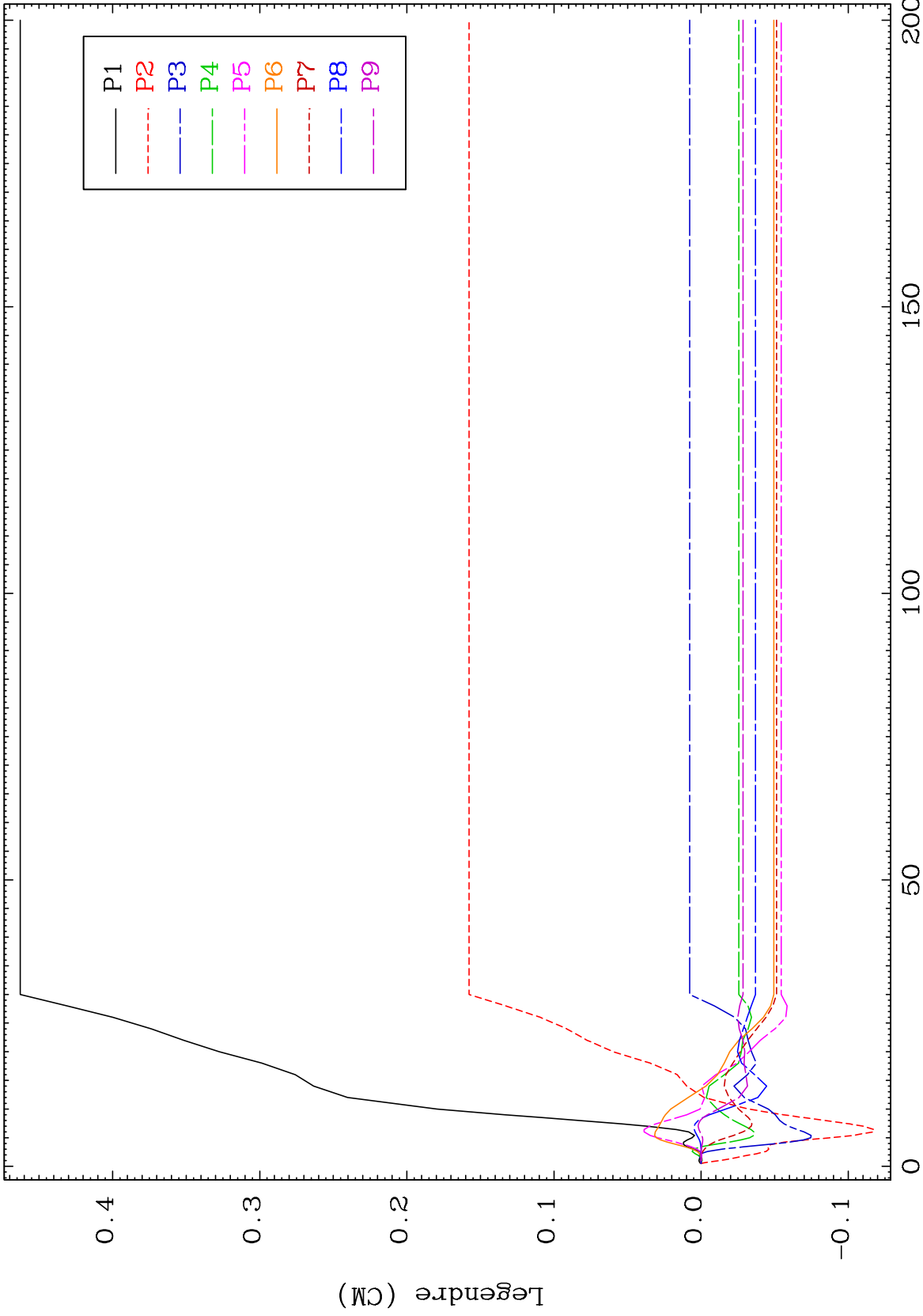
57-La-147



MAT 5752

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

57-La-147



96

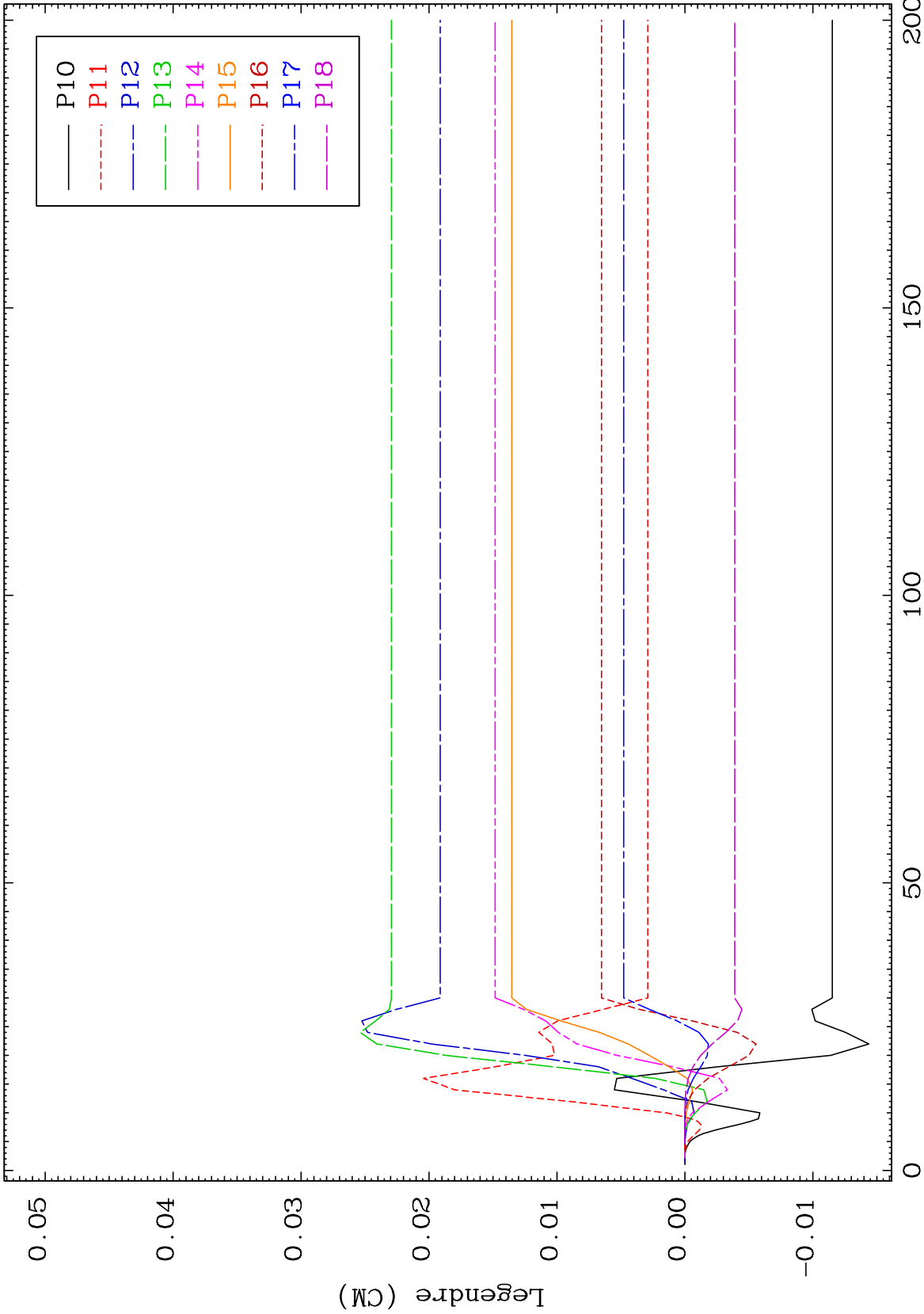
Incident Energy (MeV)

57-La-147

MAT 5752

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

57-La-147



97

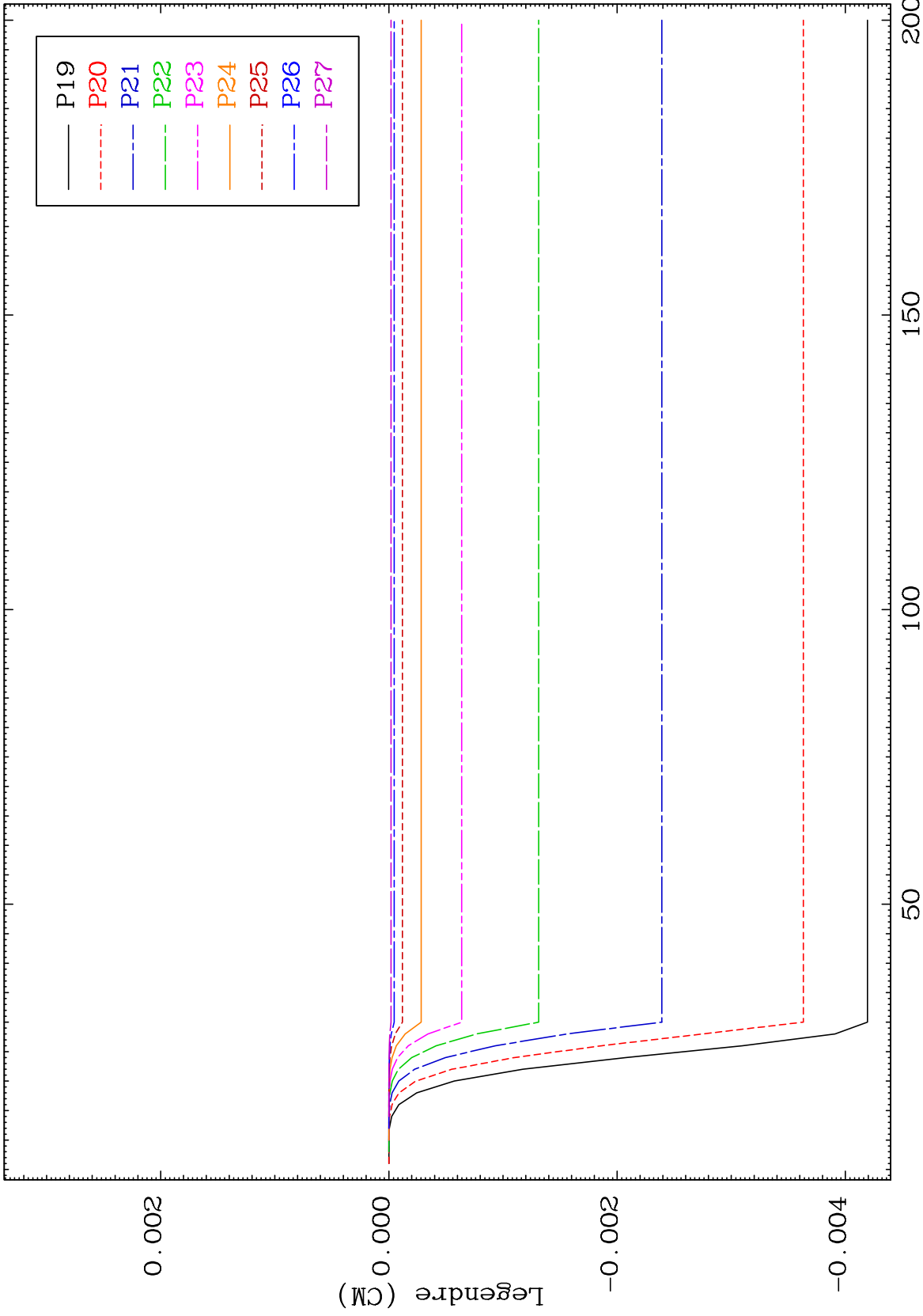
Incident Energy (MeV)

57-La-147

MAT 5752

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

57-La-147



98

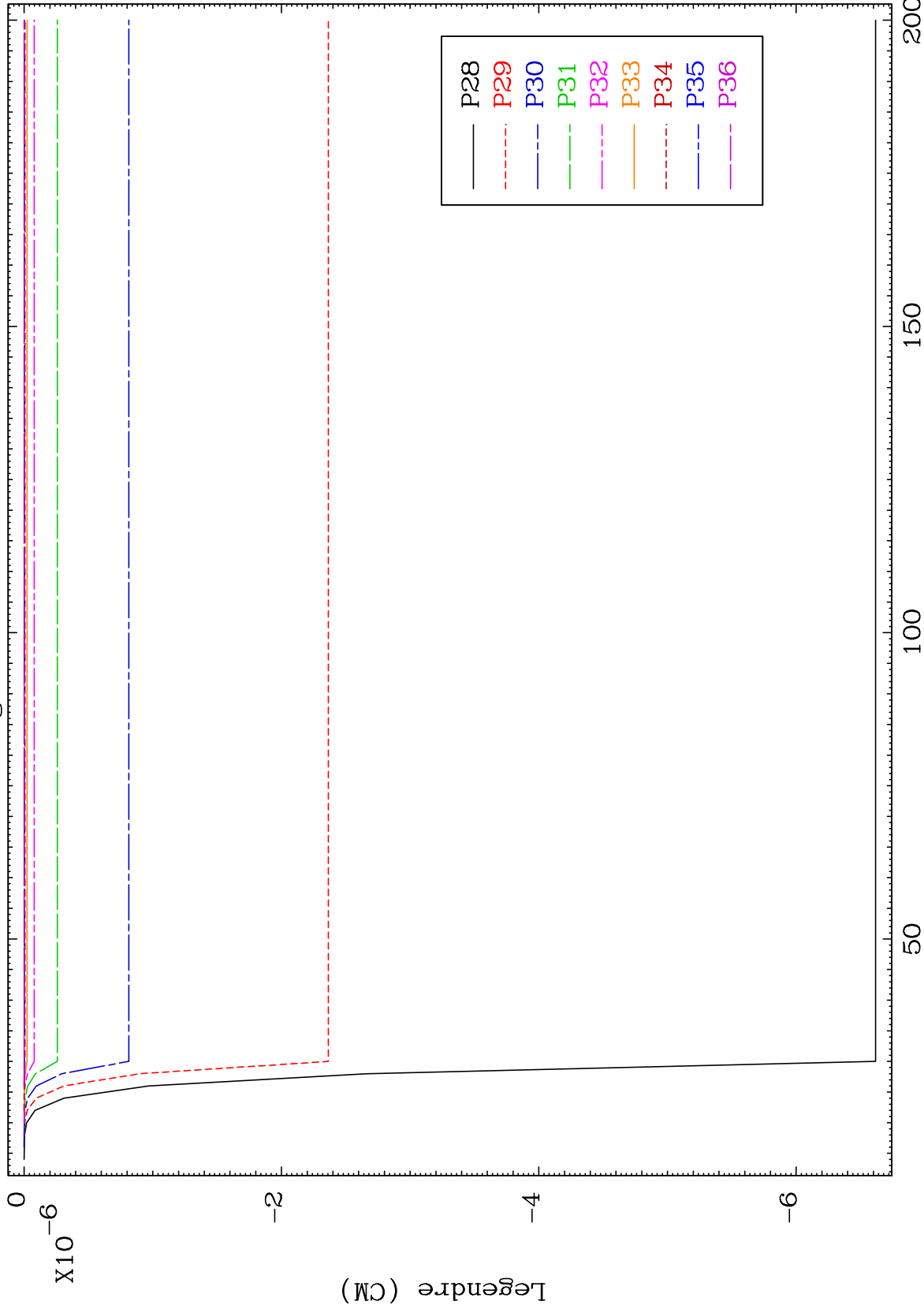
Incident Energy (MeV)

57-La-147

MAT 5752

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

57-La-147



57-La-147

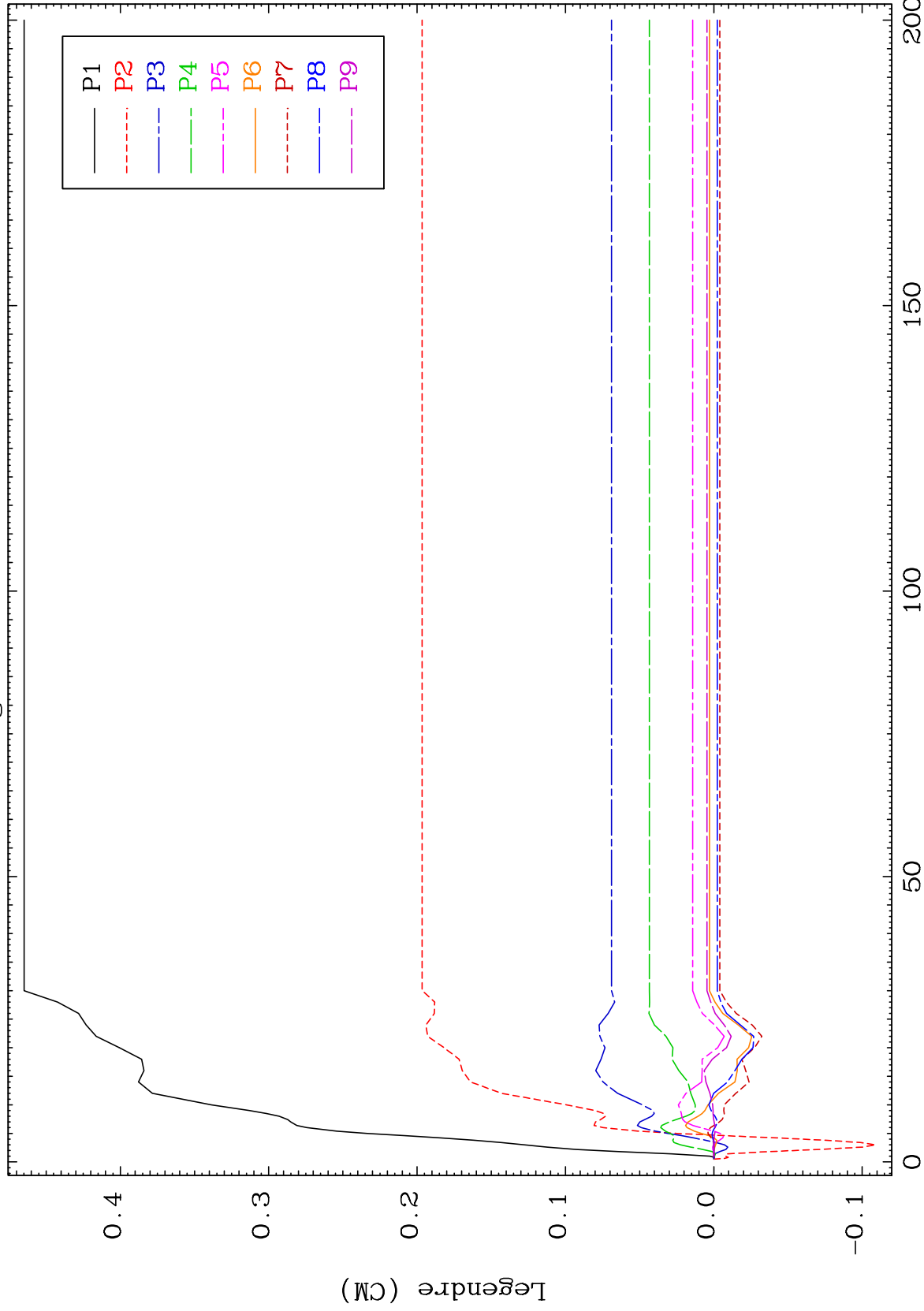
Incident Energy (MeV)

99

MAT 5752

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

57-La-147



57-La-147

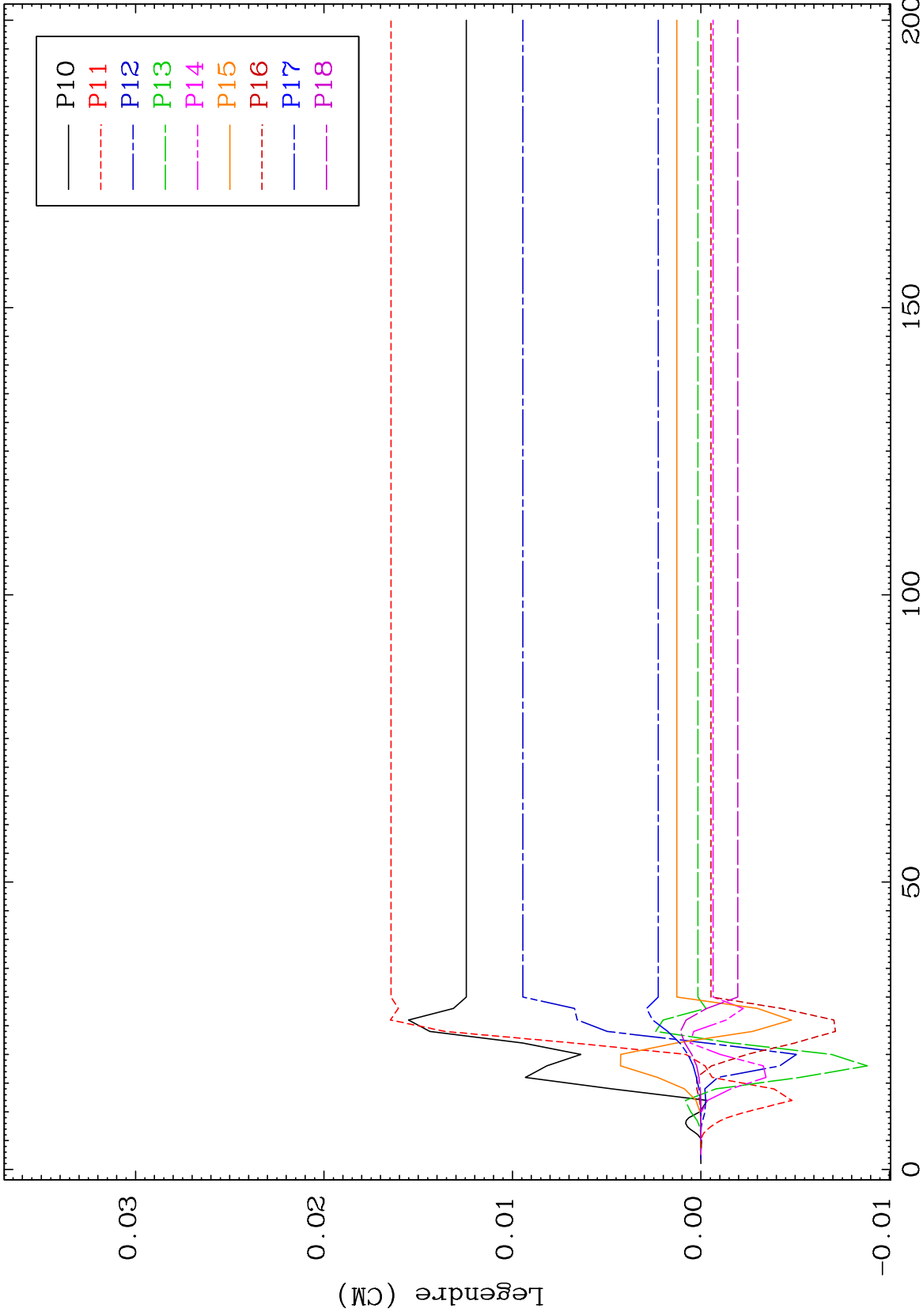
Incident Energy (MeV)

Legendre (CM)

MAT 5752

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

57-La-147



57-La-147

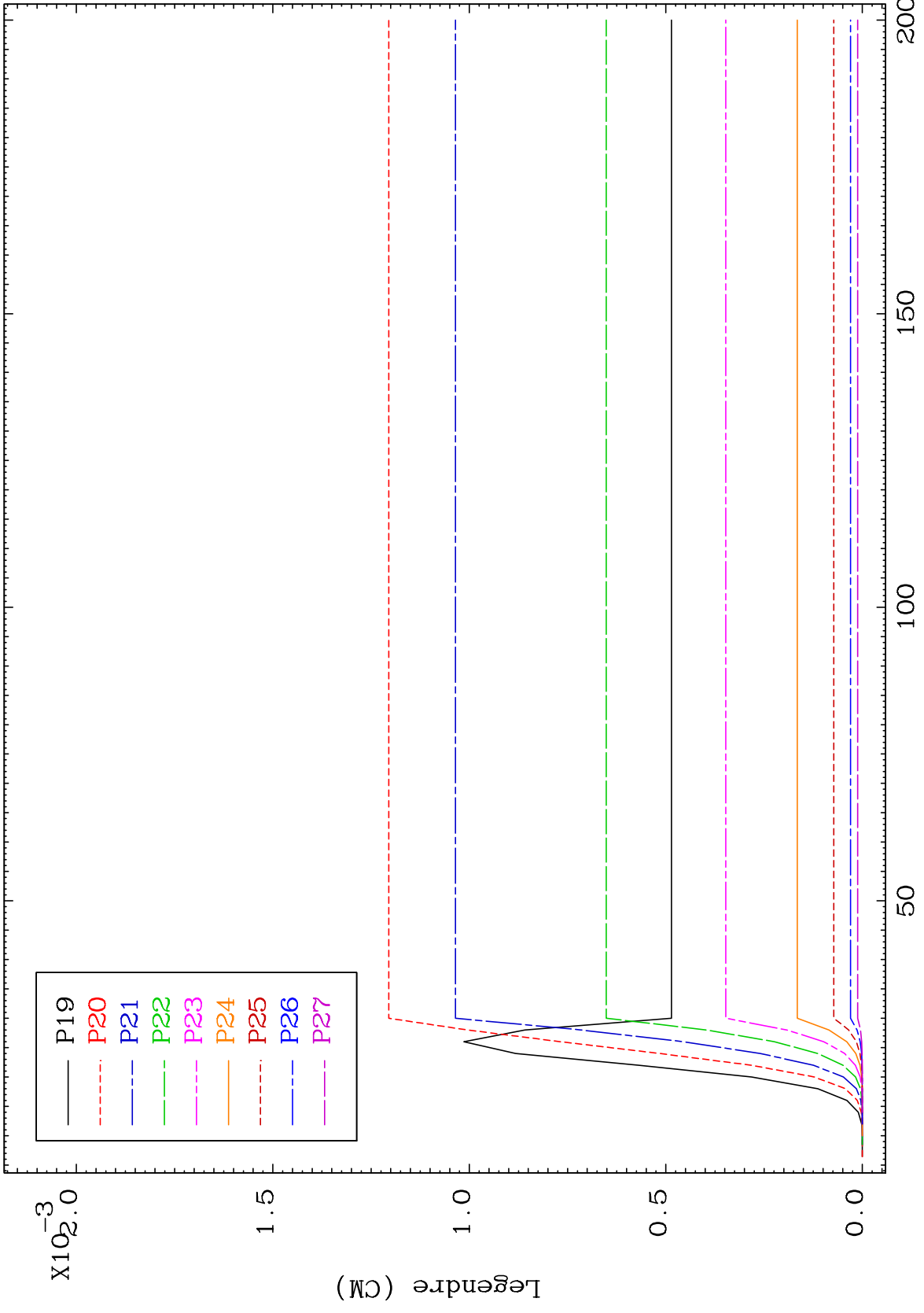
Incident Energy (MeV)

101

MAT 5752

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

57-La-147



102

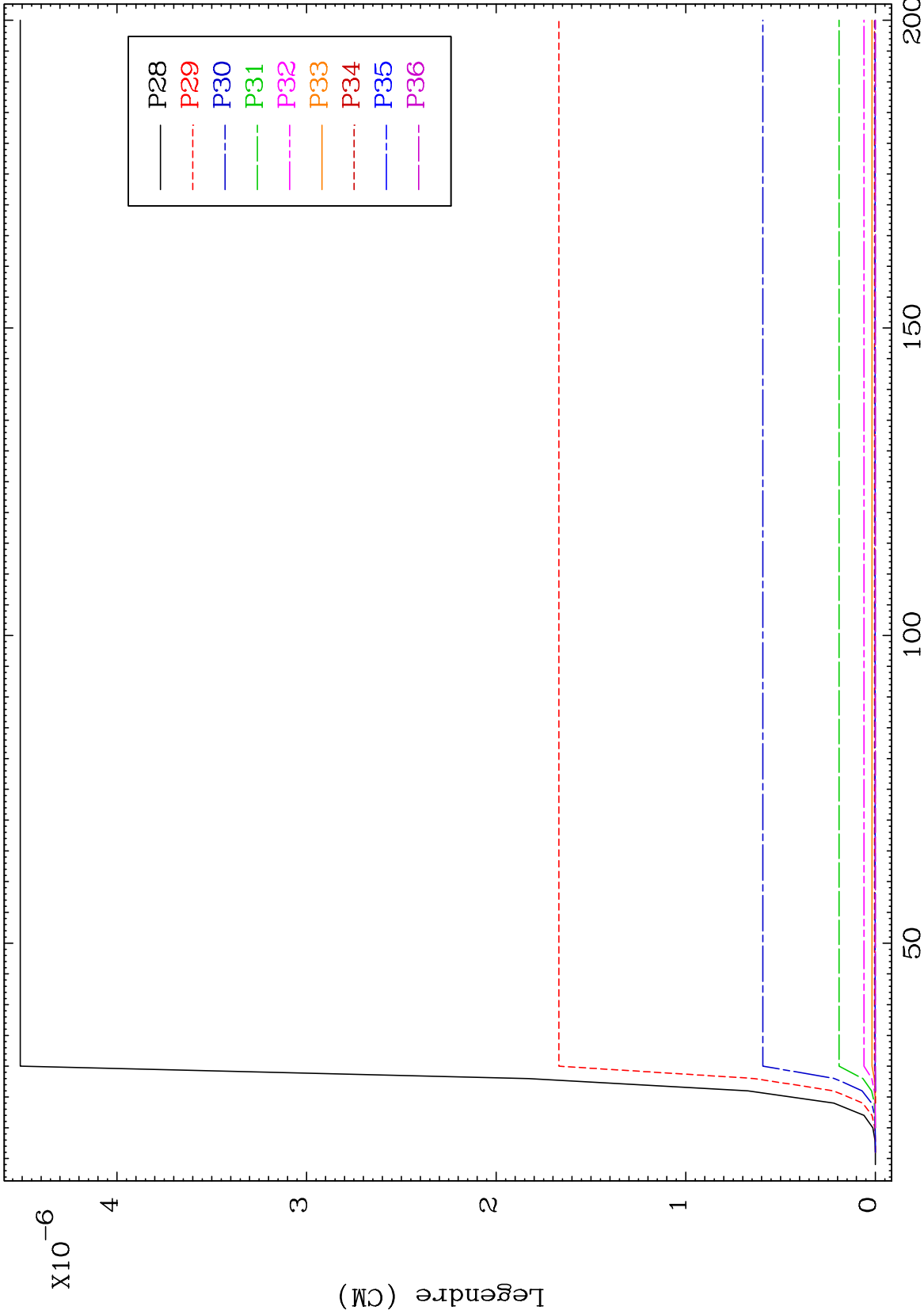
Incident Energy (MeV)

57-La-147

MAT 5752

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

57-La-147



103

Incident Energy (MeV)

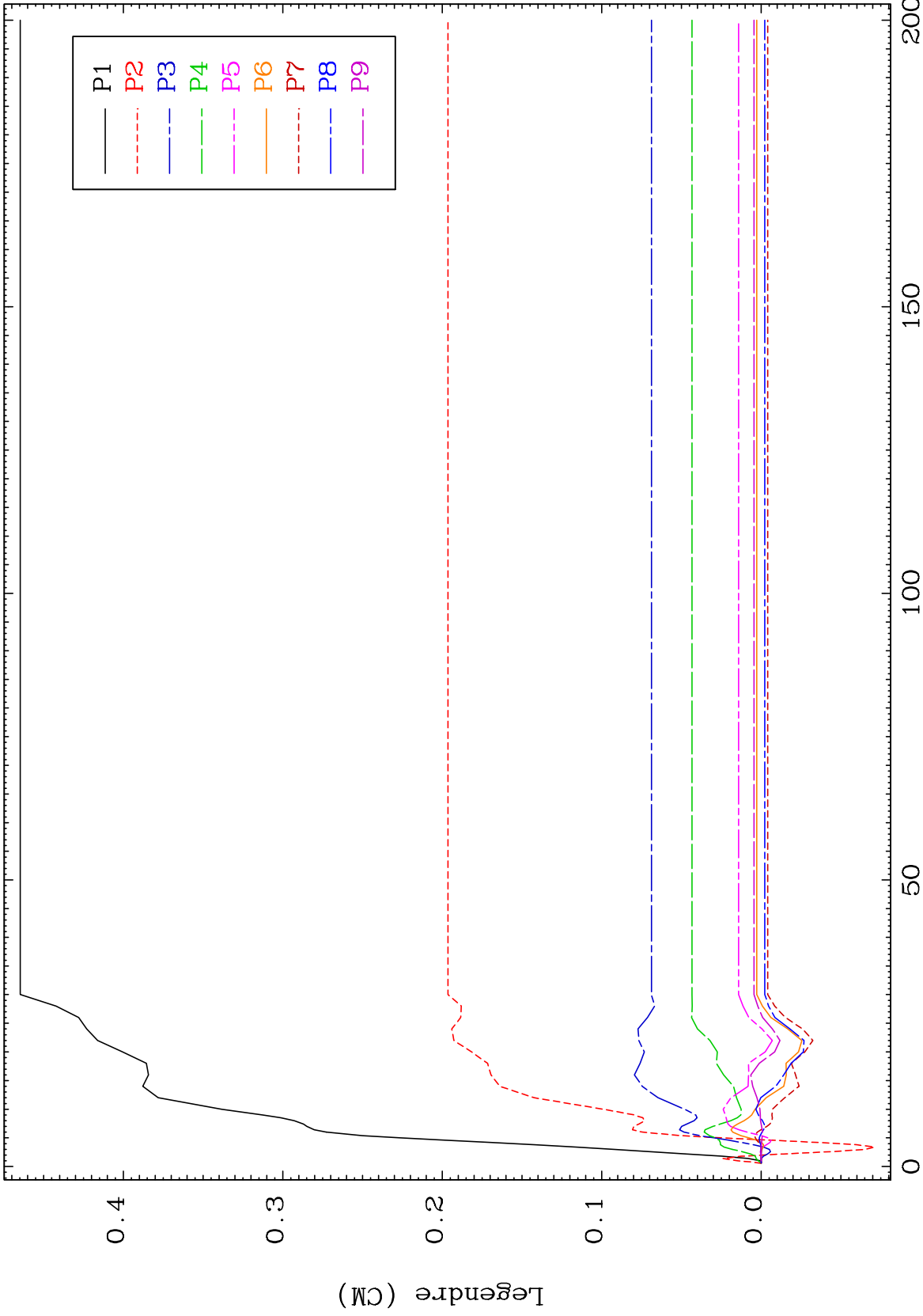
57-La-147



MAT 5752

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

57-La-147



104

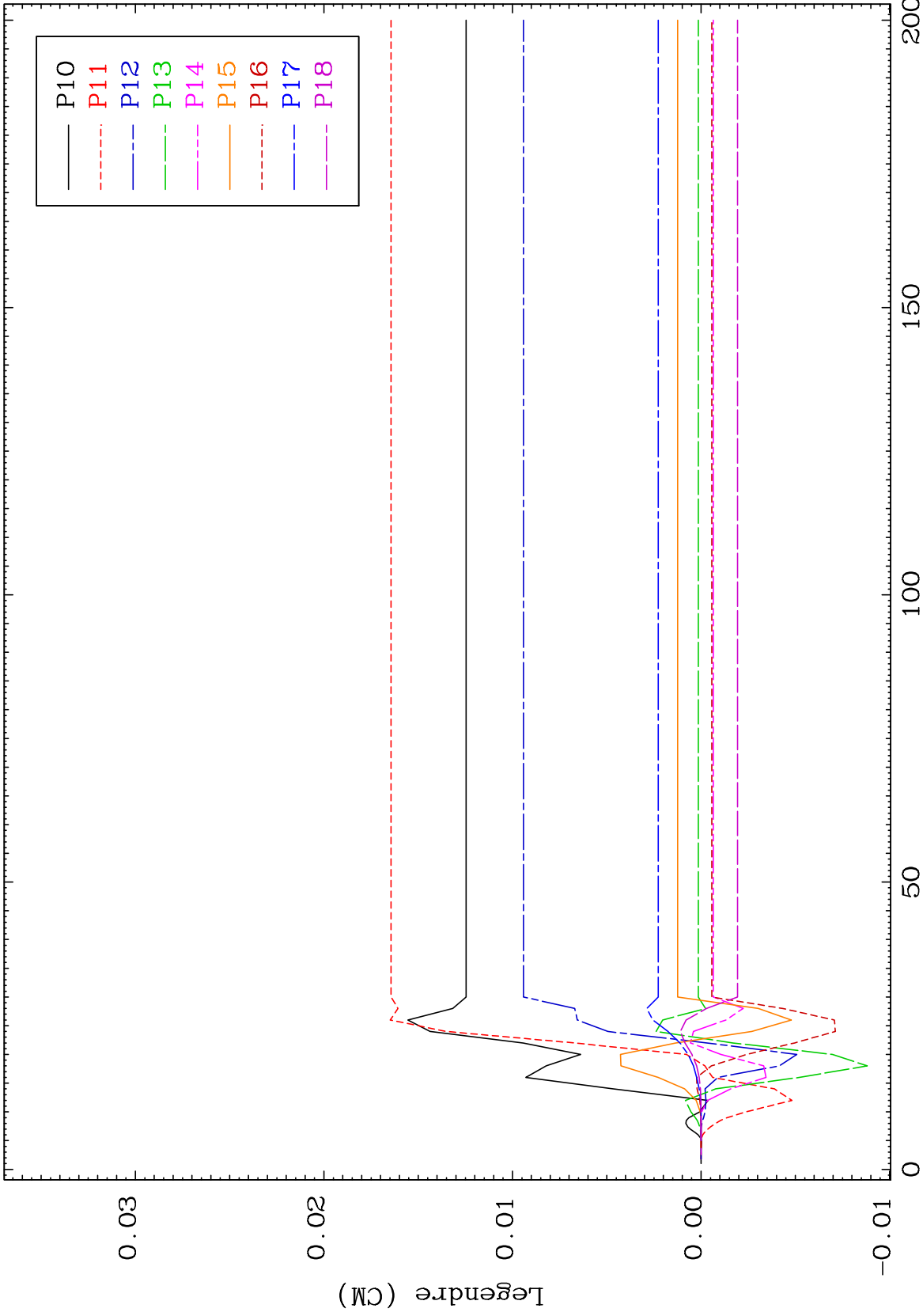
Incident Energy (MeV)

57-La-147

MAT 5752

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

57-La-147



57-La-147

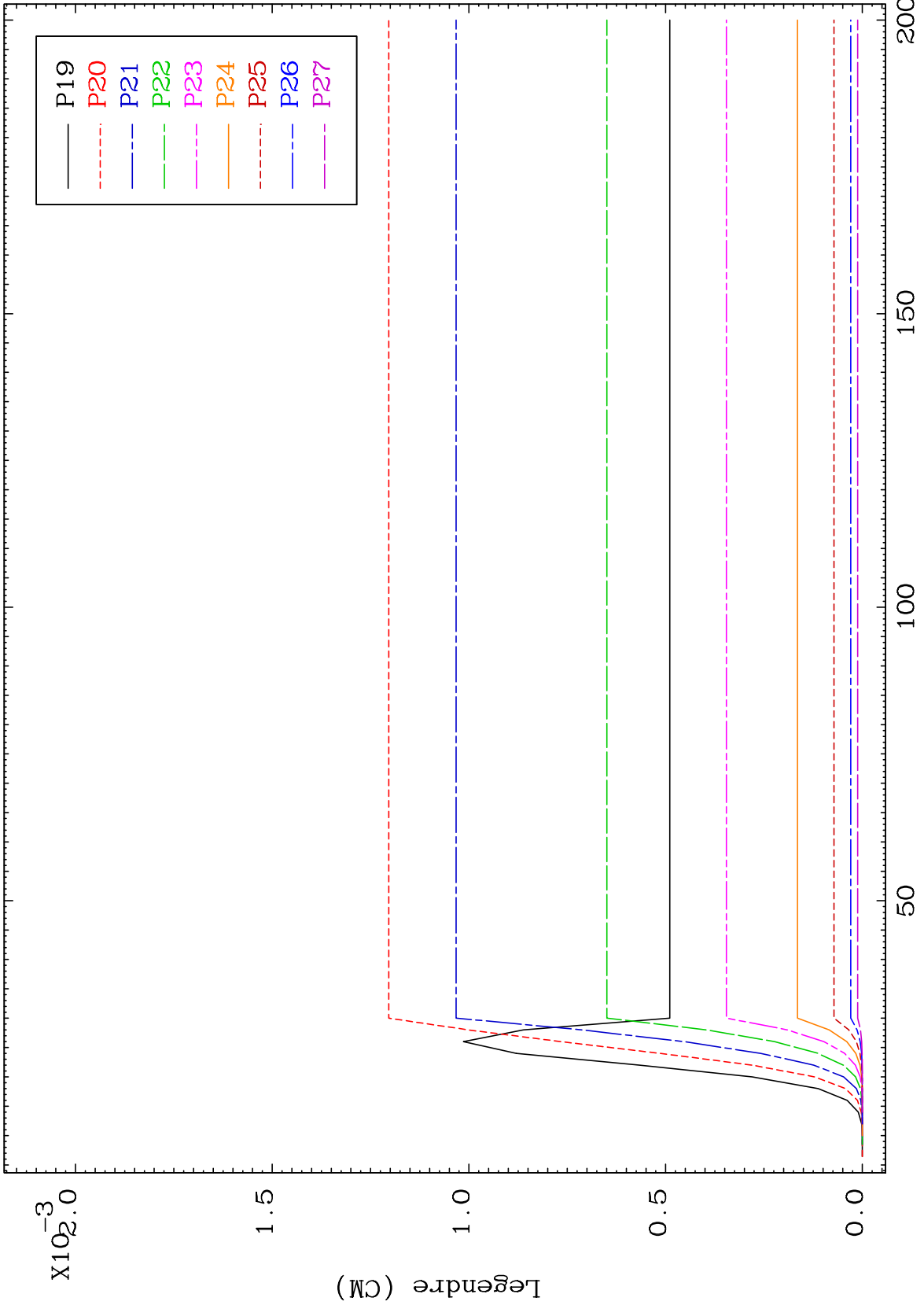
Incident Energy (MeV)

105

MAT 5752

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

57-La-147



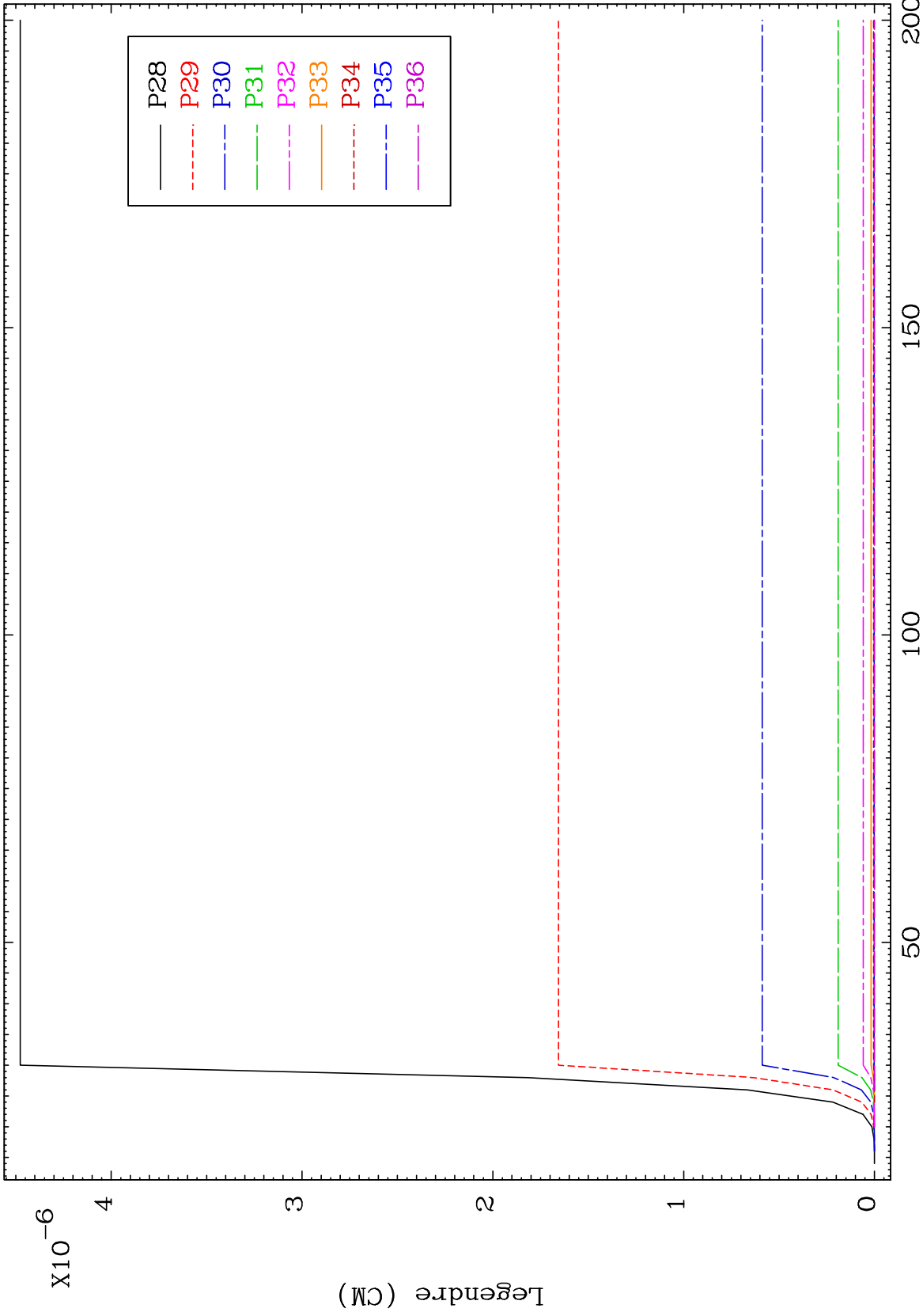
106

57-La-147

MAT 5752

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

57-La-147



107

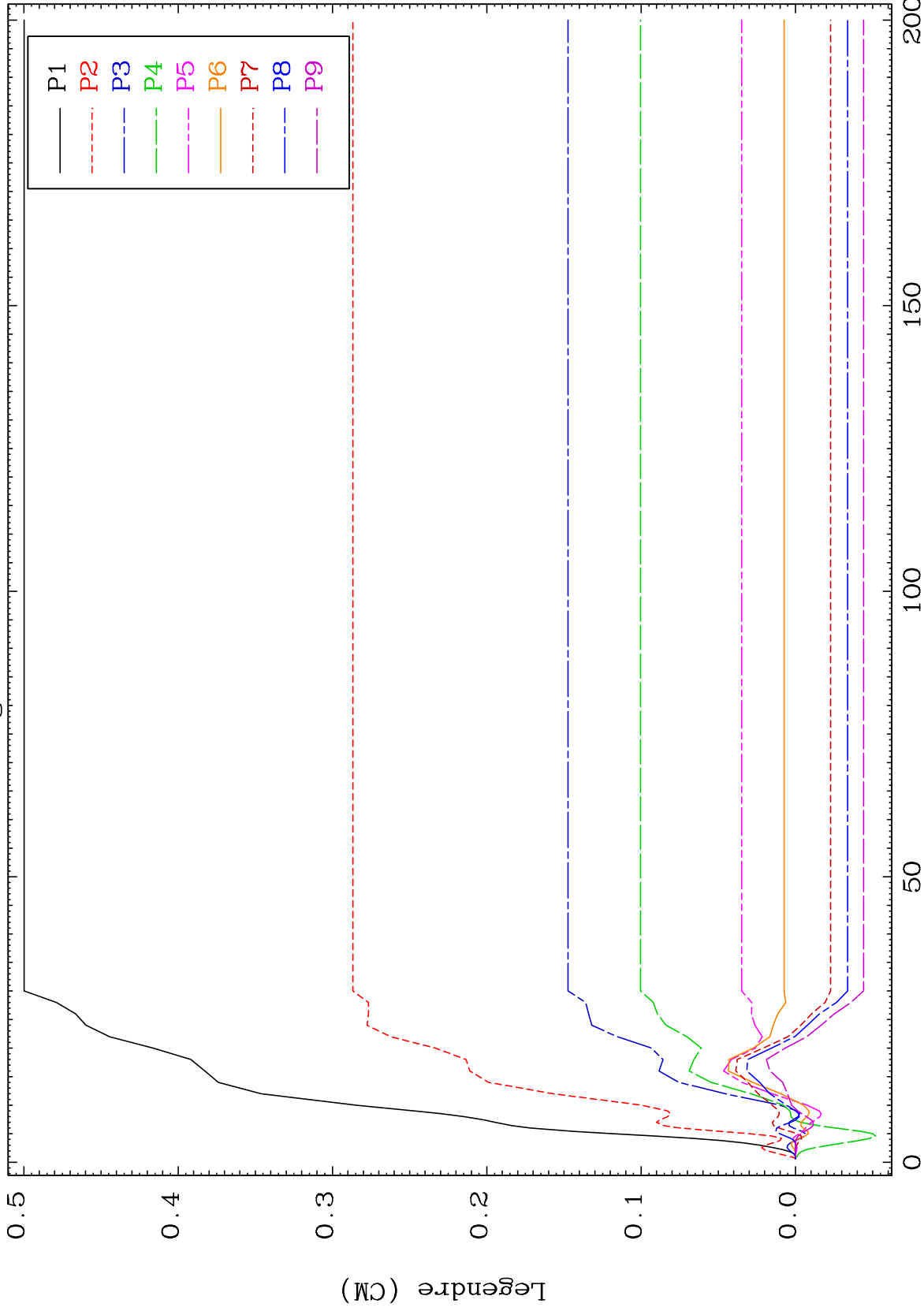
Incident Energy (MeV)

57-La-147

MAT 5752

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

57-La-147



108

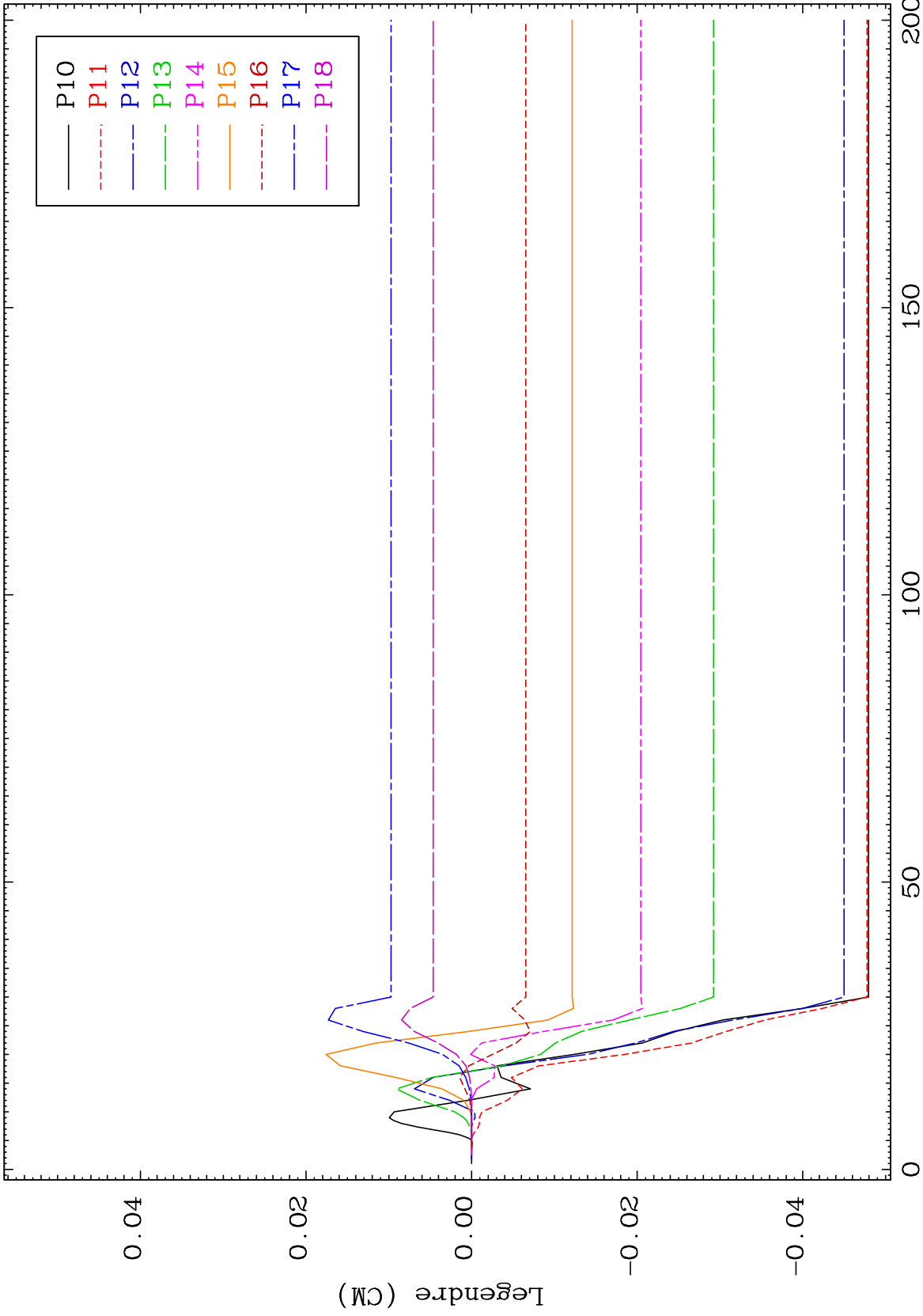
Incident Energy (MeV)

57-La-147

MAT 5752

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

57-La-147



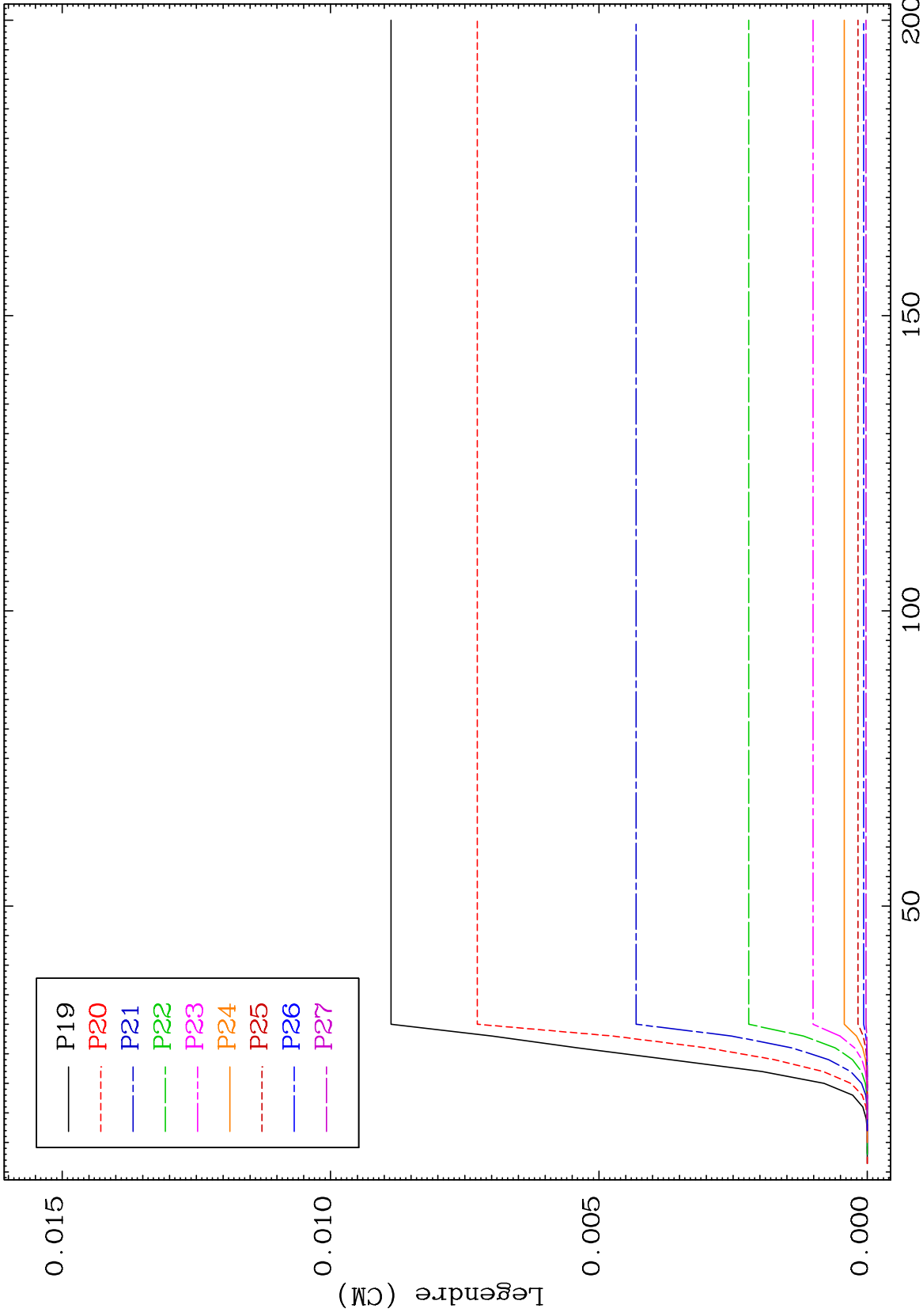
109

57-La-147

MAT 5752

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

57-La-147



110

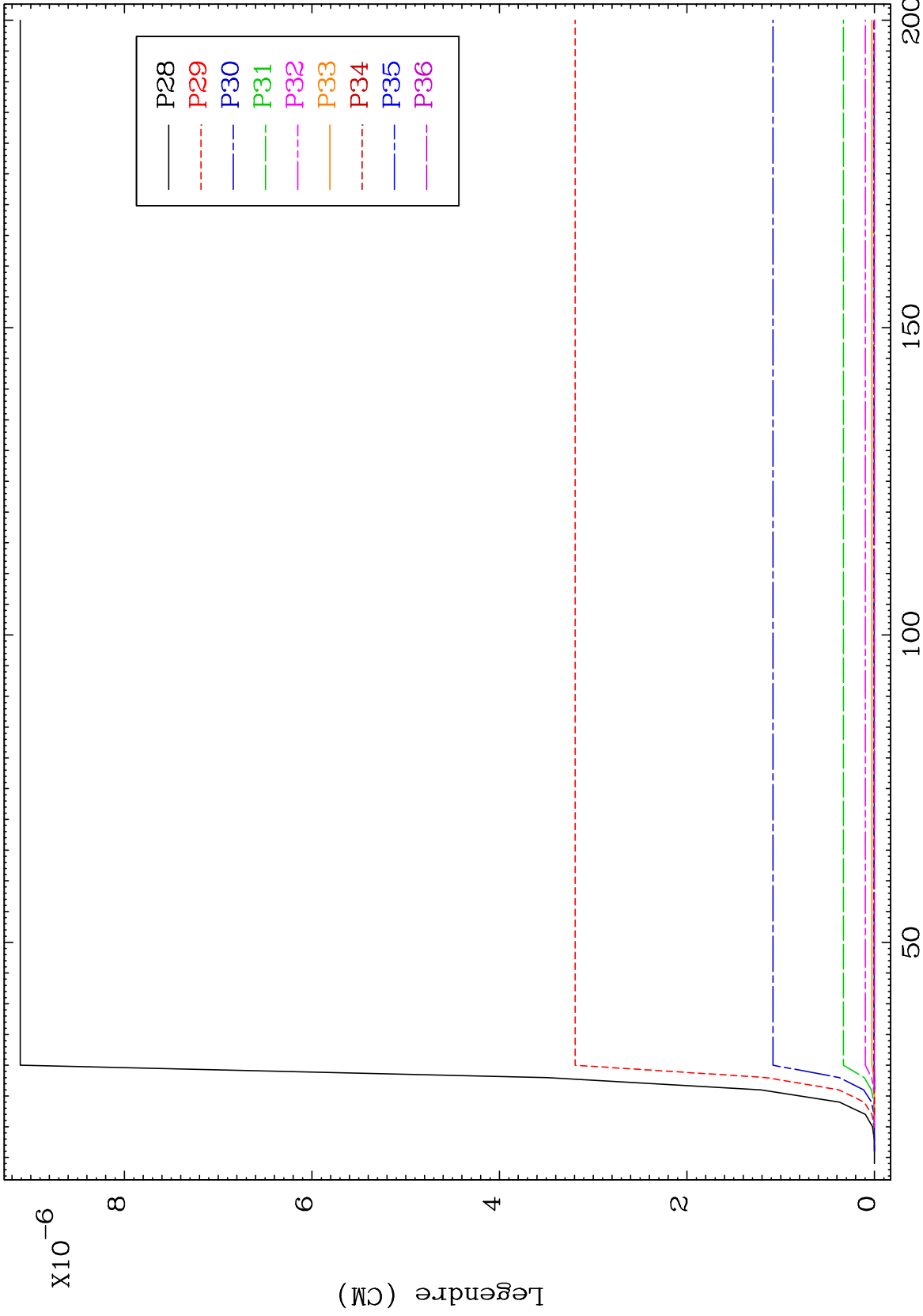
Incident Energy (MeV)

57-La-147

MAT 5752

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

57-La-147



111

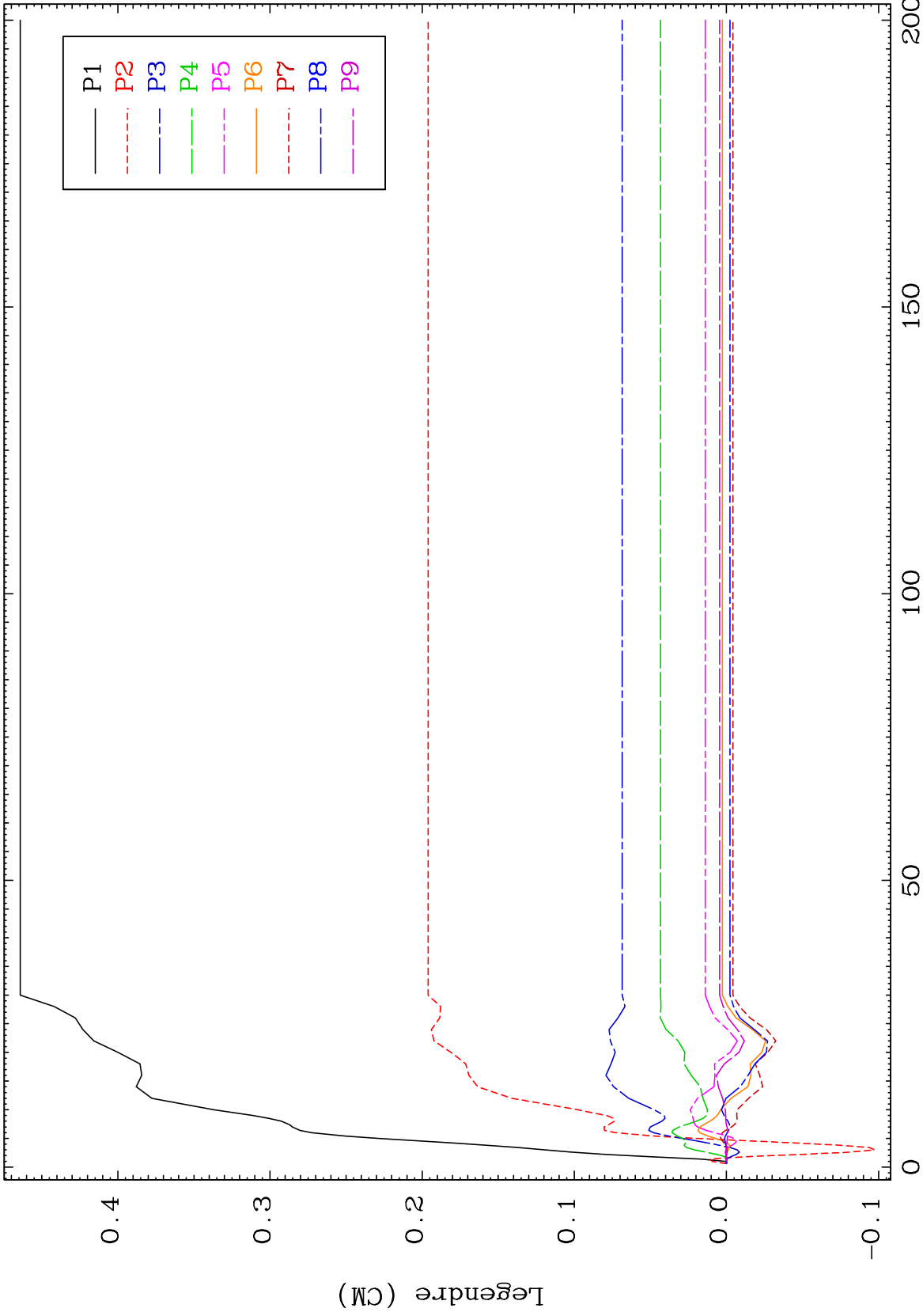
57-La-147



MAT 5752

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

57-La-147



112

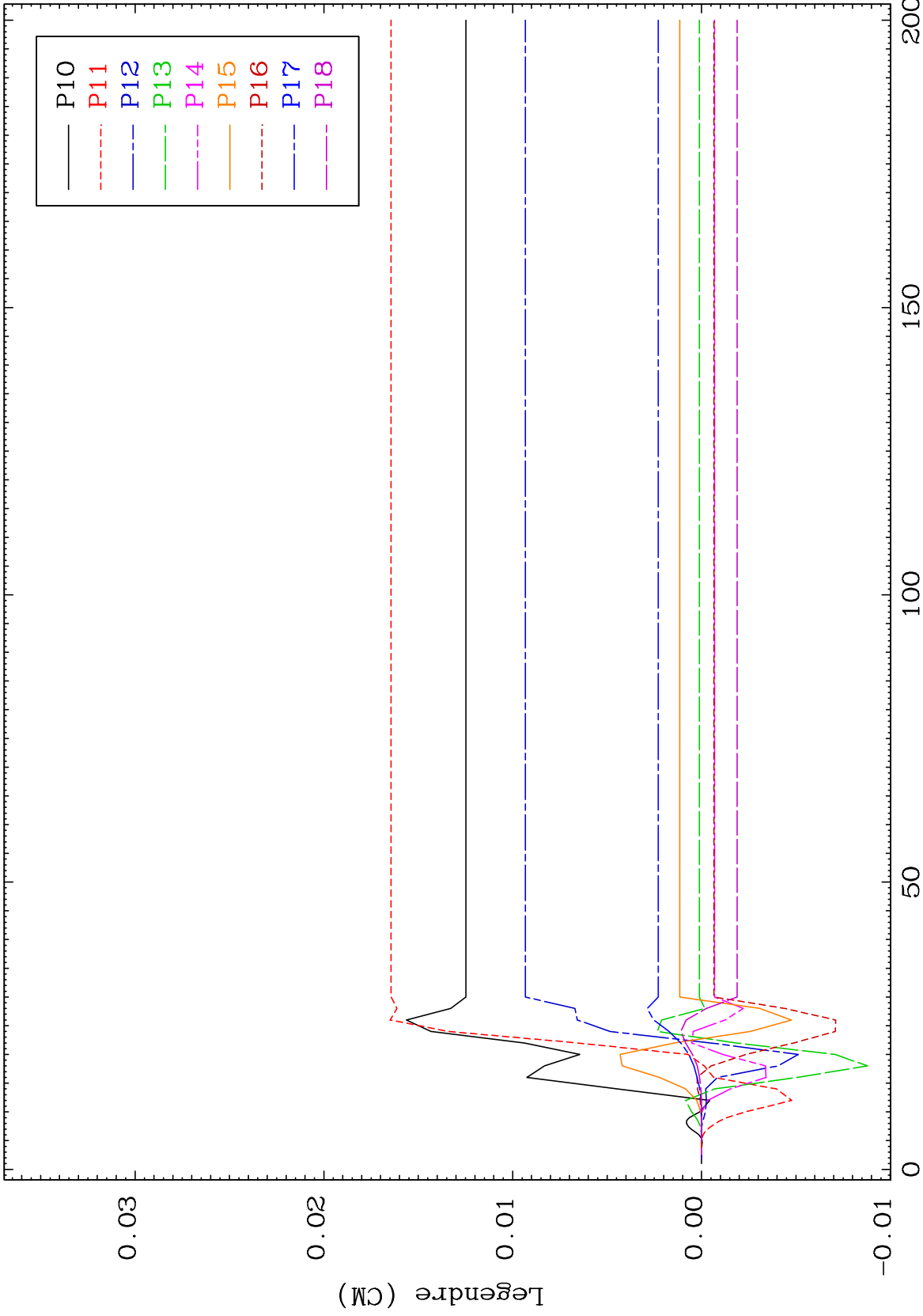
Incident Energy (MeV)

57-La-147

MAT 5752

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

57-La-147



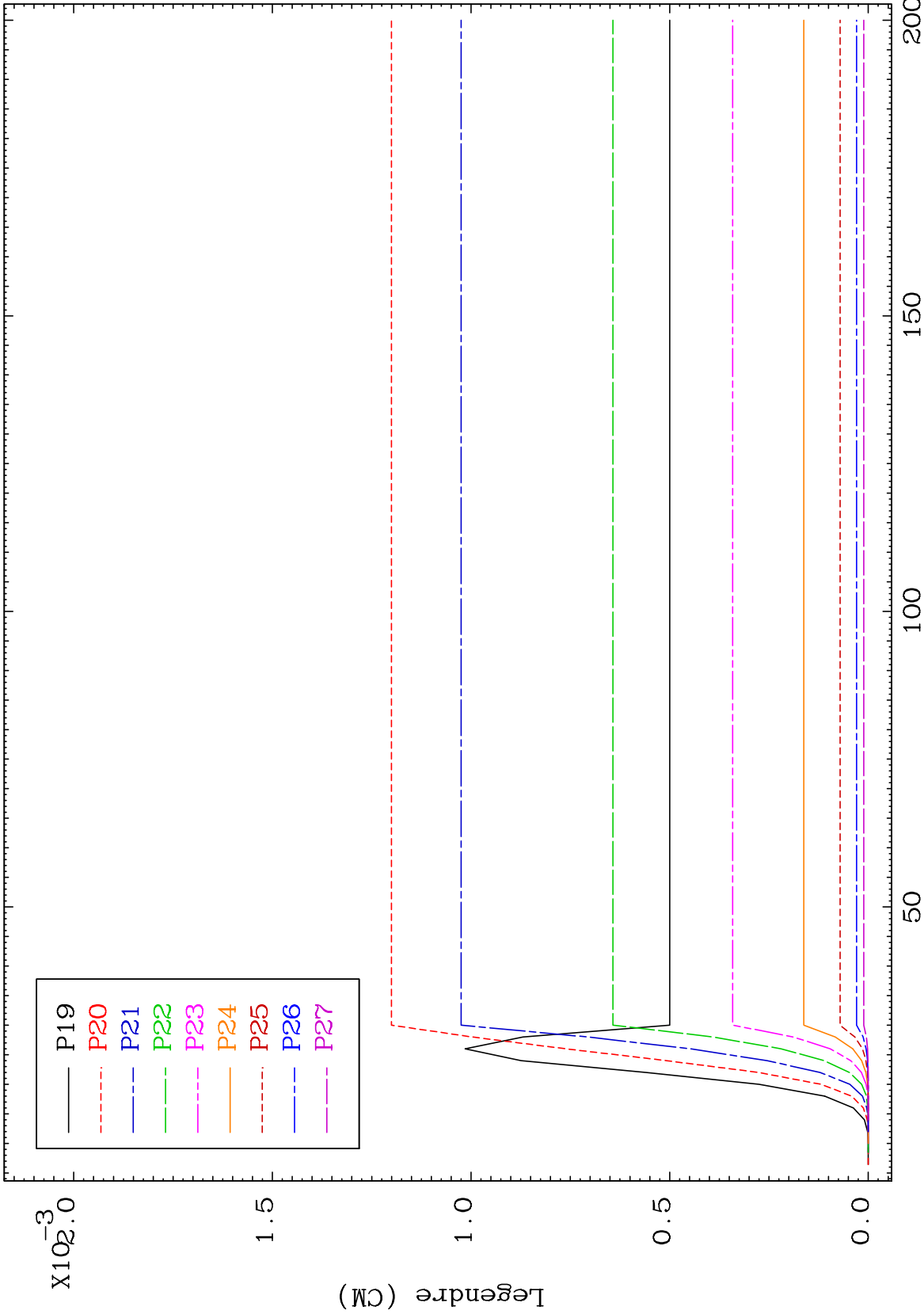
57-La-147

113

MAT 5752

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

57-La-147



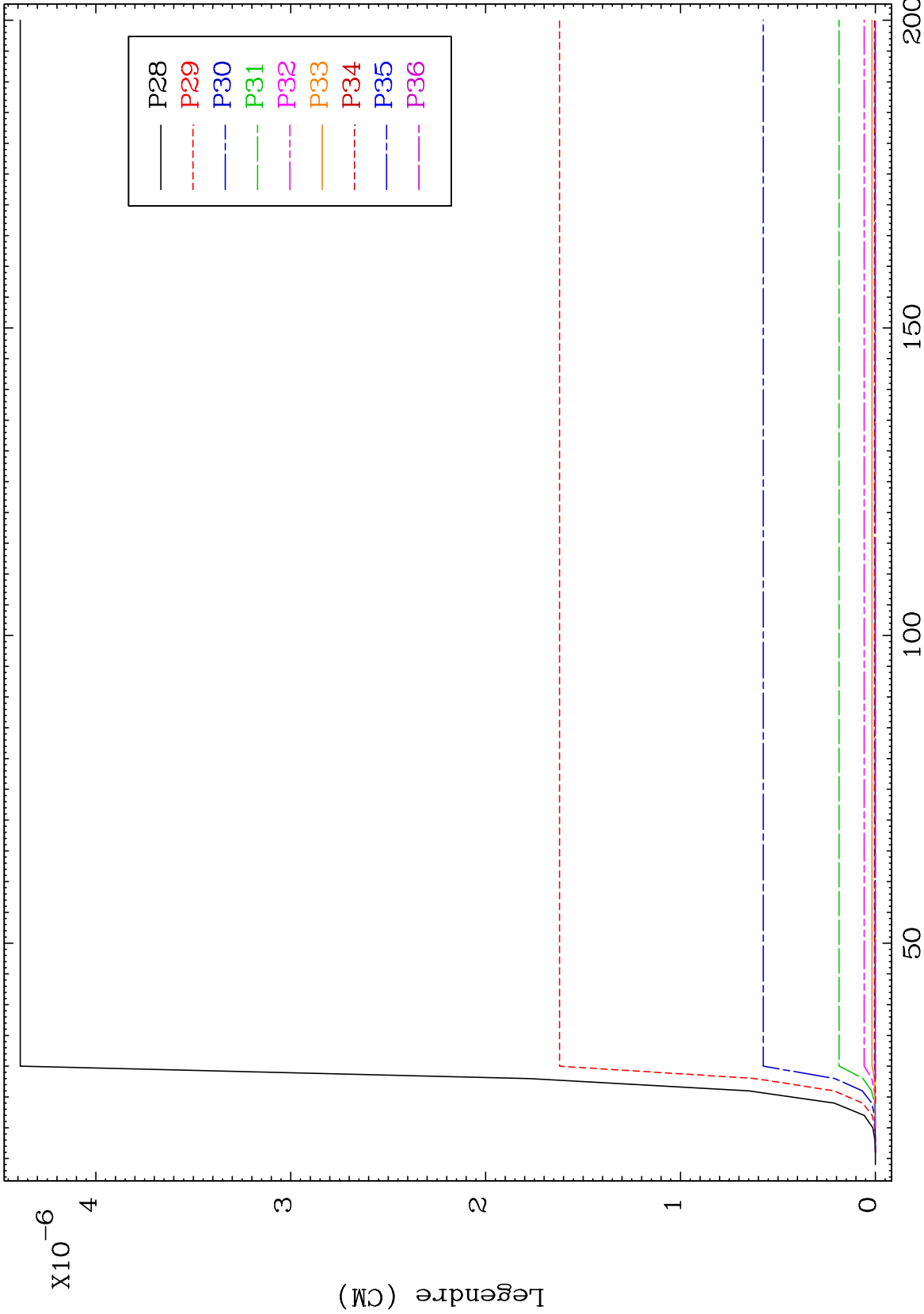
114

57-La-147

MAT 5752

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

57-La-147



115

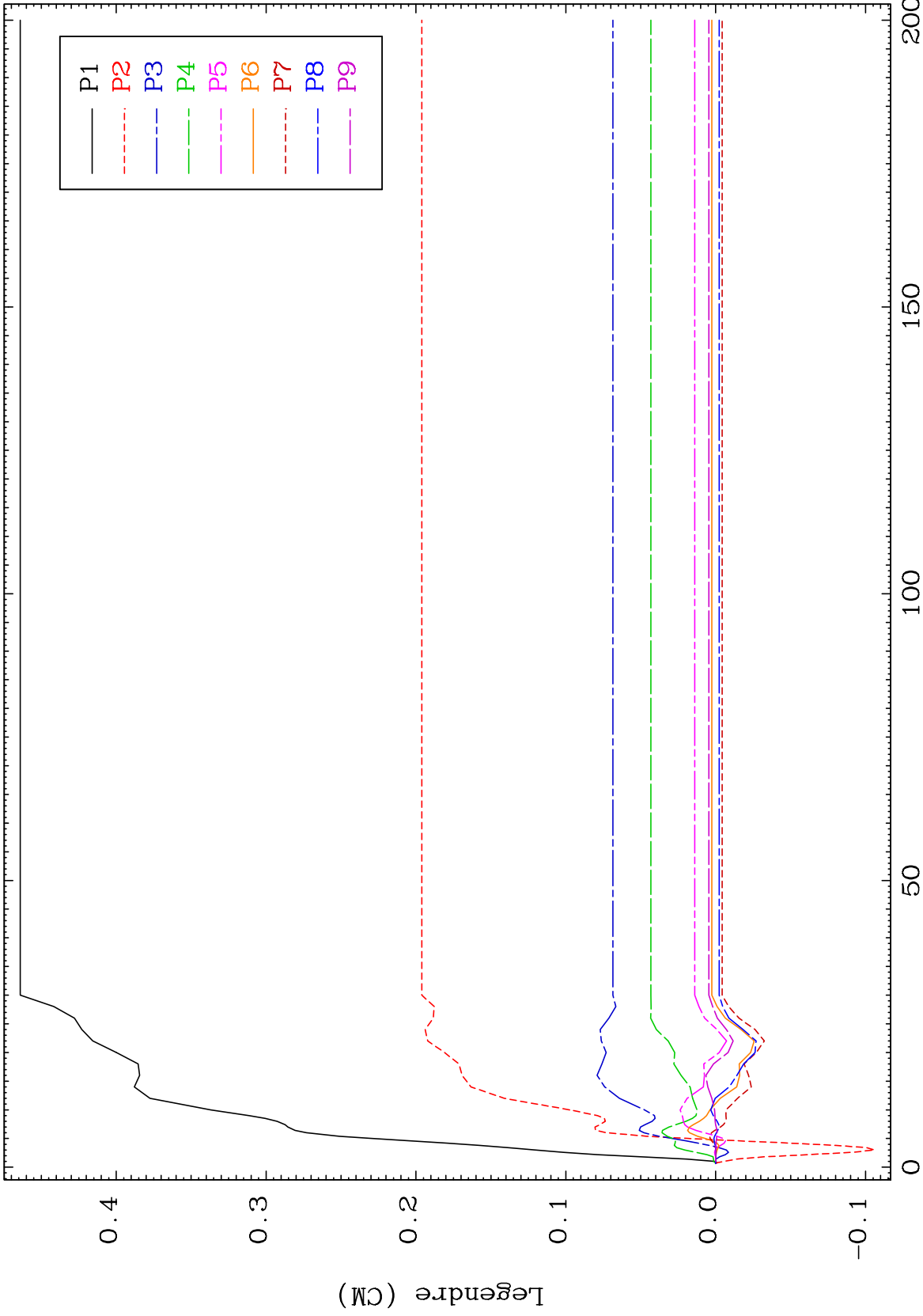
Incident Energy (MeV)

57-La-147

MAT 5752

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

57-La-147



116

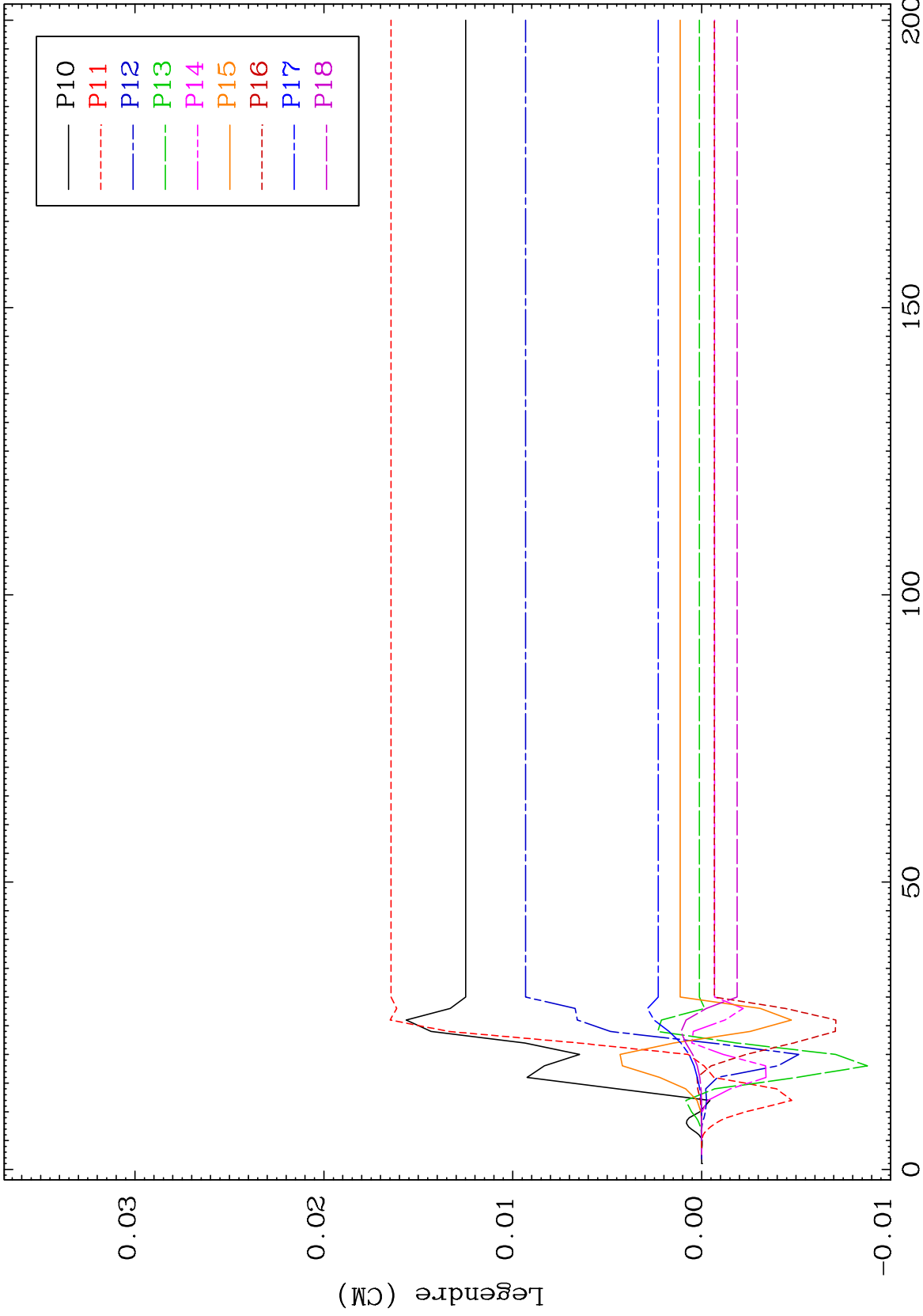
Incident Energy (MeV)

57-La-147

MAT 5752

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

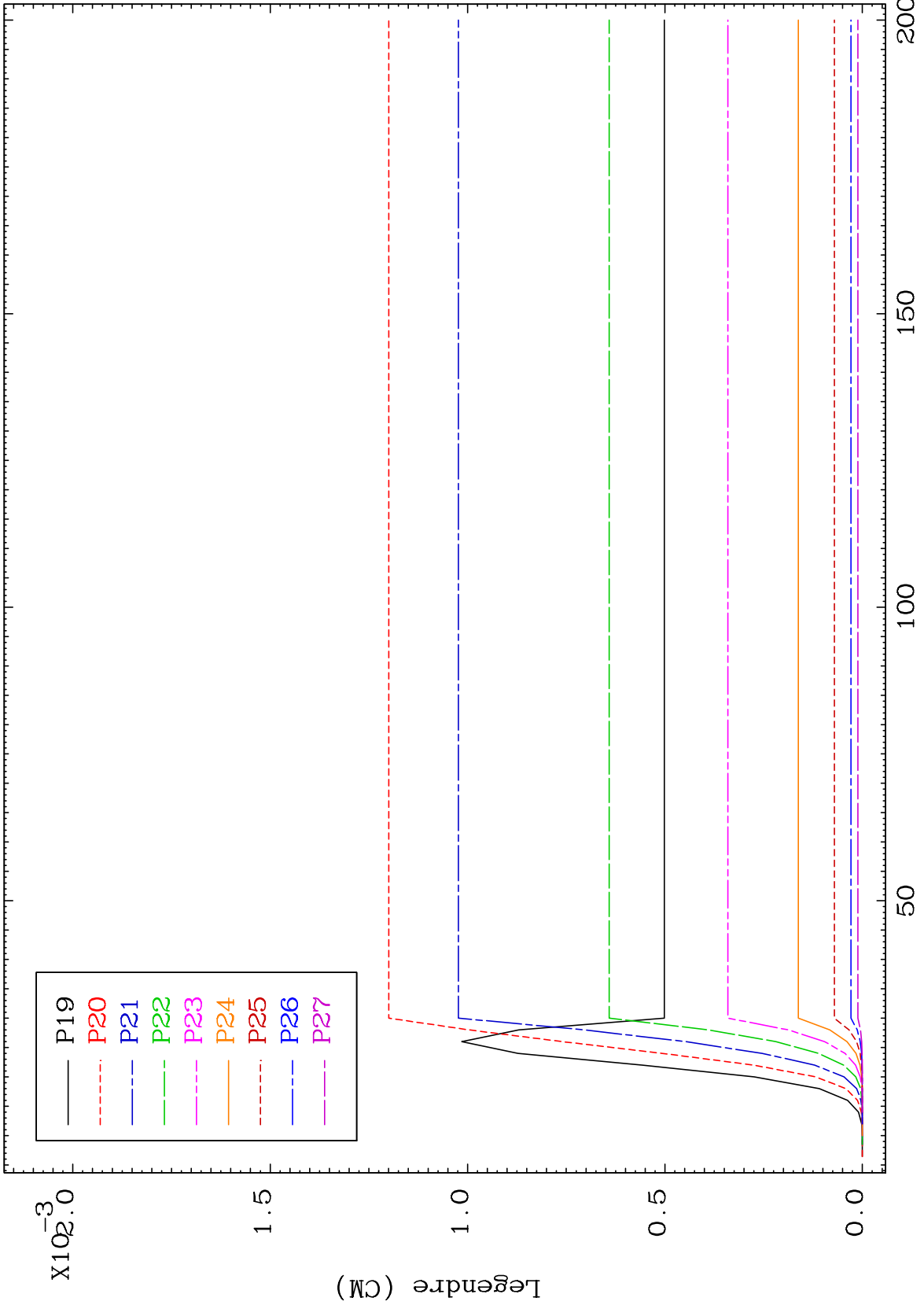
57-La-147



117

Incident Energy (MeV)

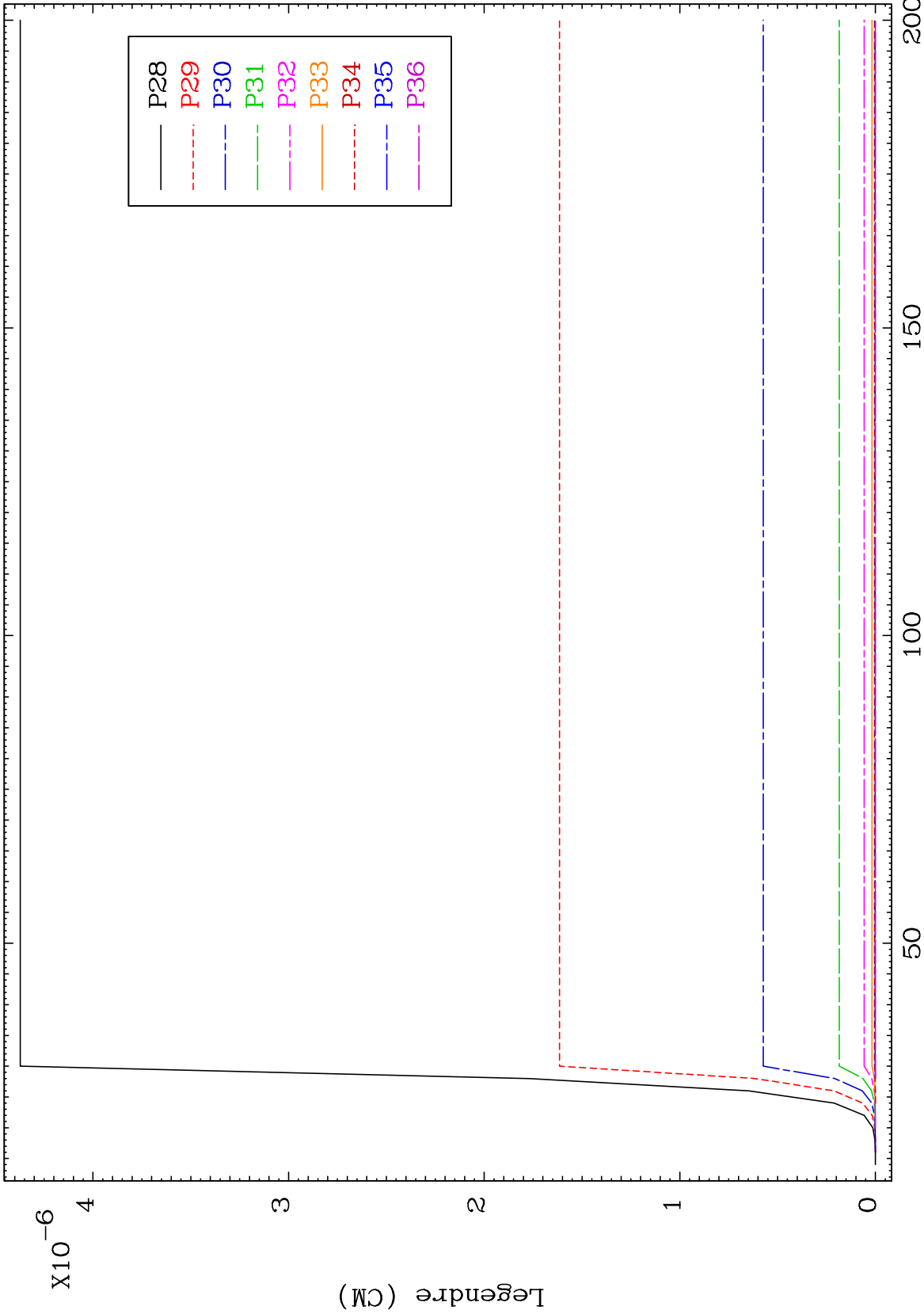
57-La-147



MAT 5752

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

57-La-147



119

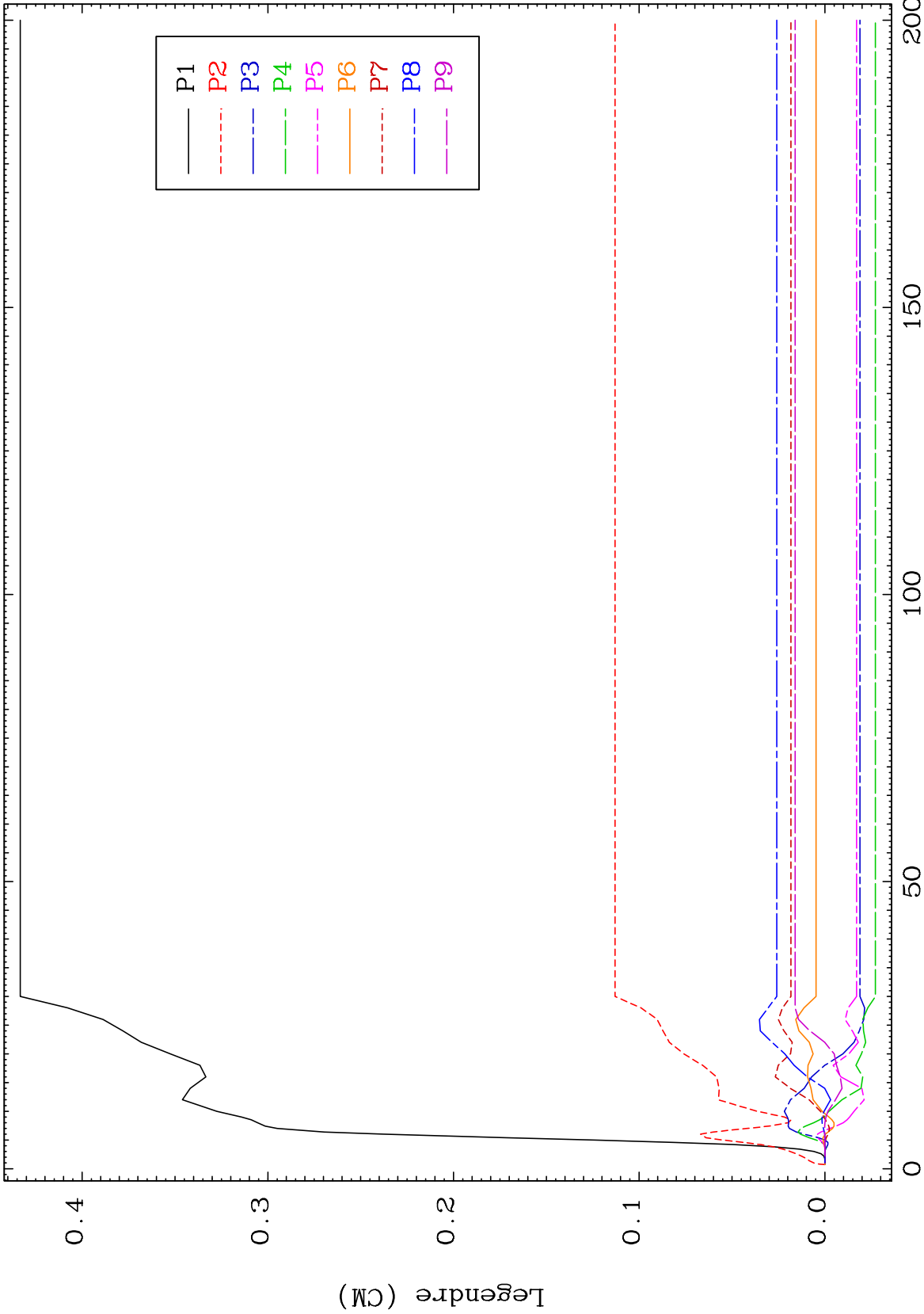
57-La-147



MAT 5752

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

57-La-147



57-La-147

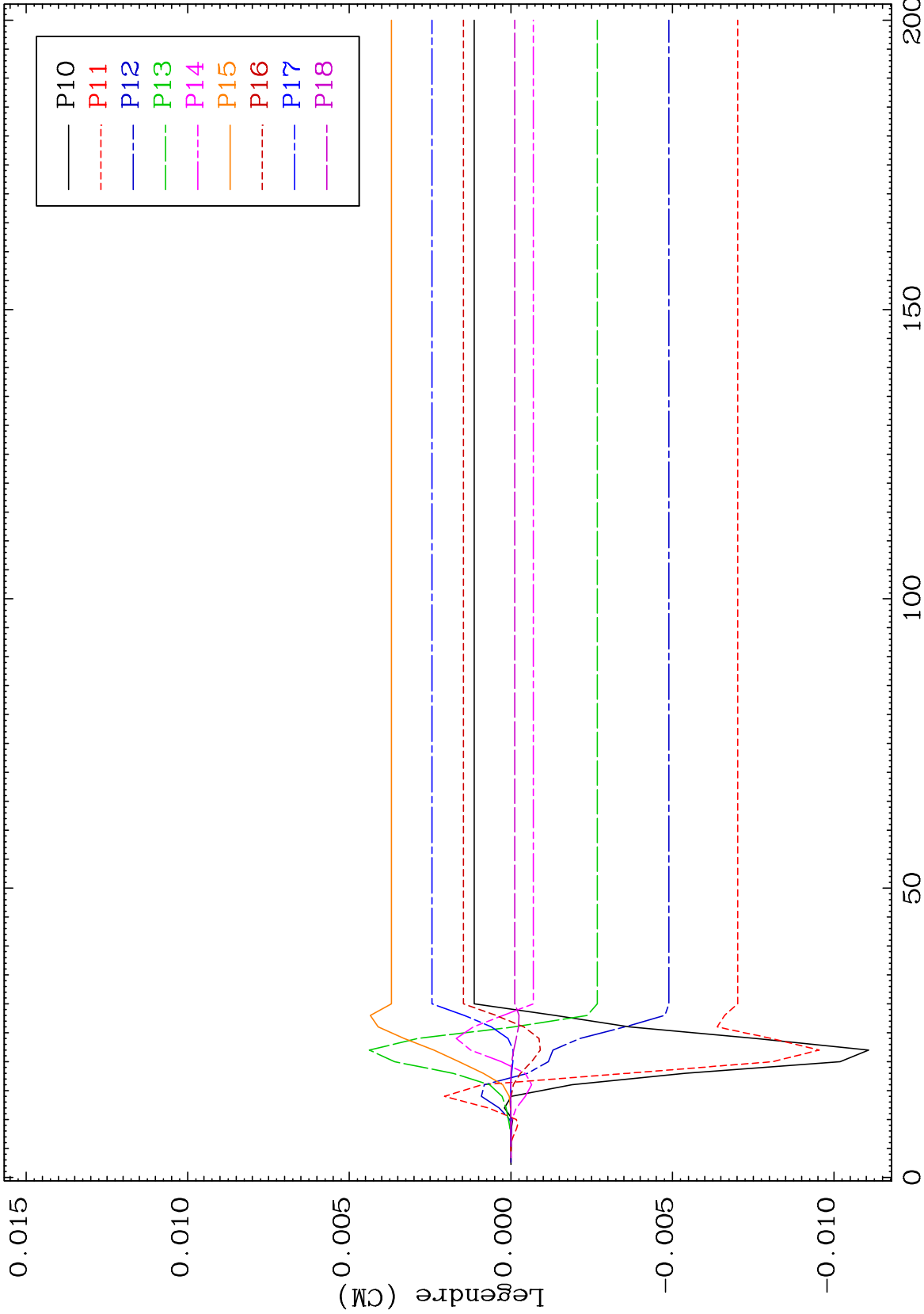
Incident Energy (MeV)

Legendre (CM)

MAT 5752

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

57-La-147



121

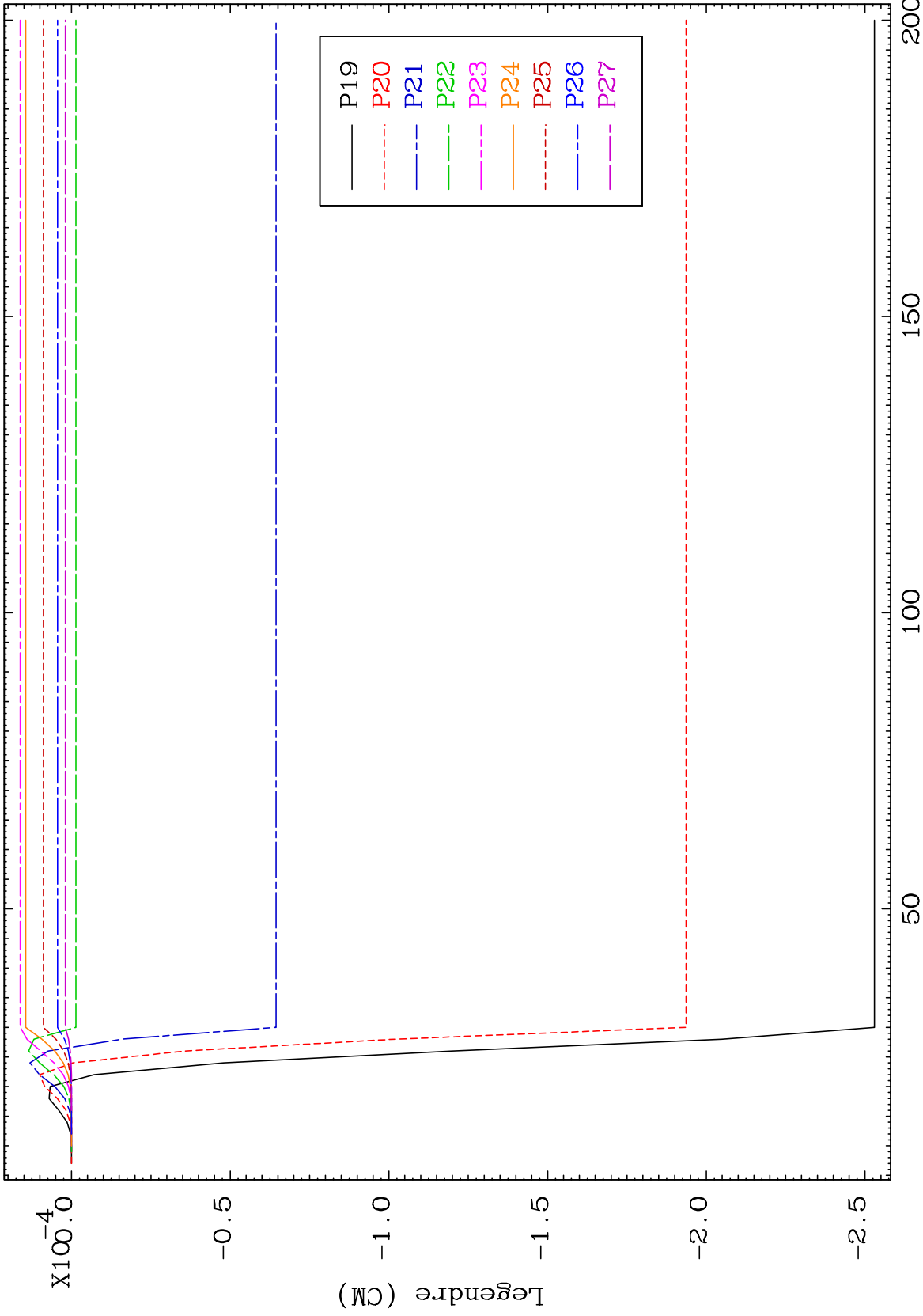
Incident Energy (MeV)

57-La-147

MAT 5752

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

57-La-147



122

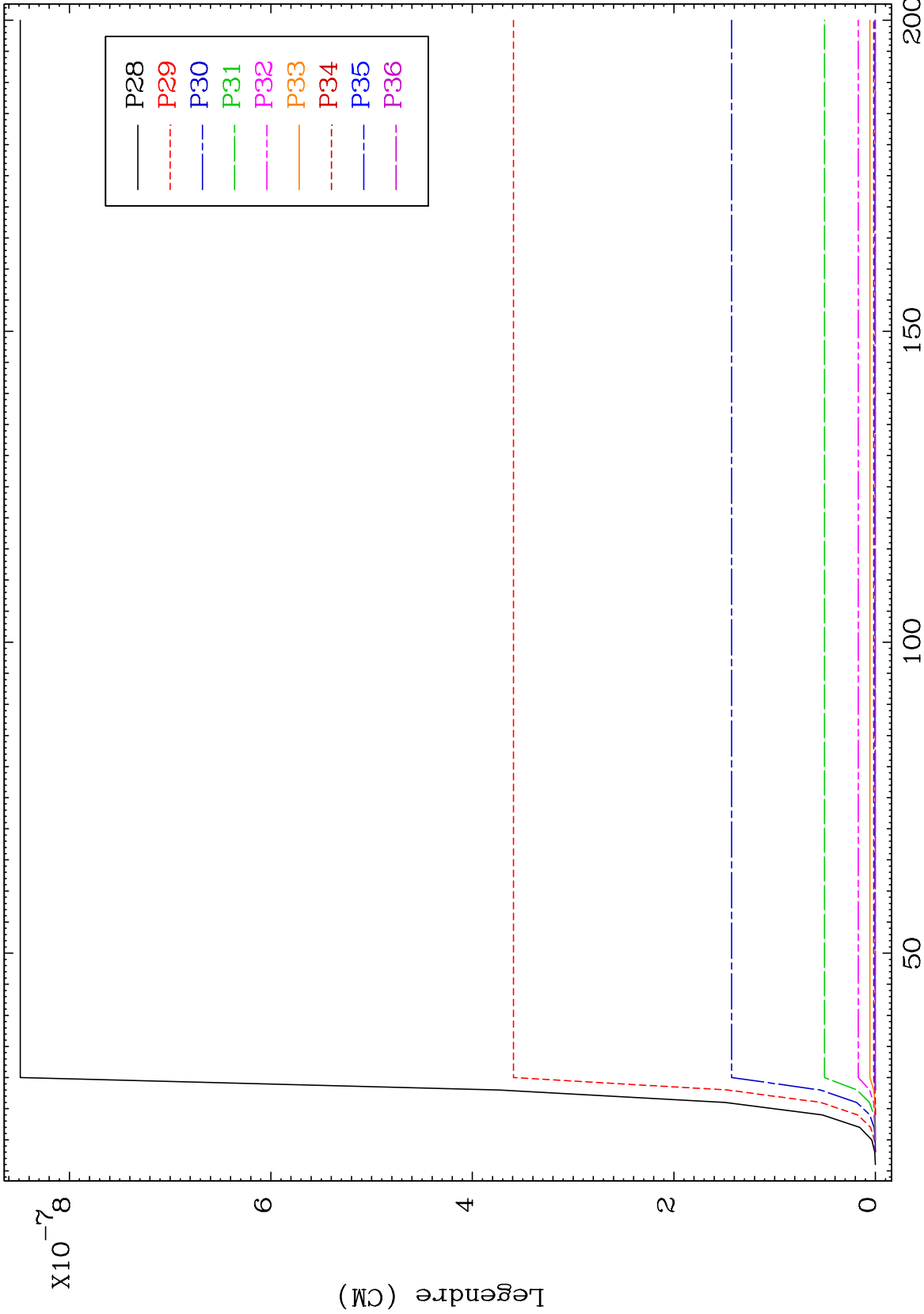
Incident Energy (MeV)

57-La-147

MAT 5752

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

57-La-147



123

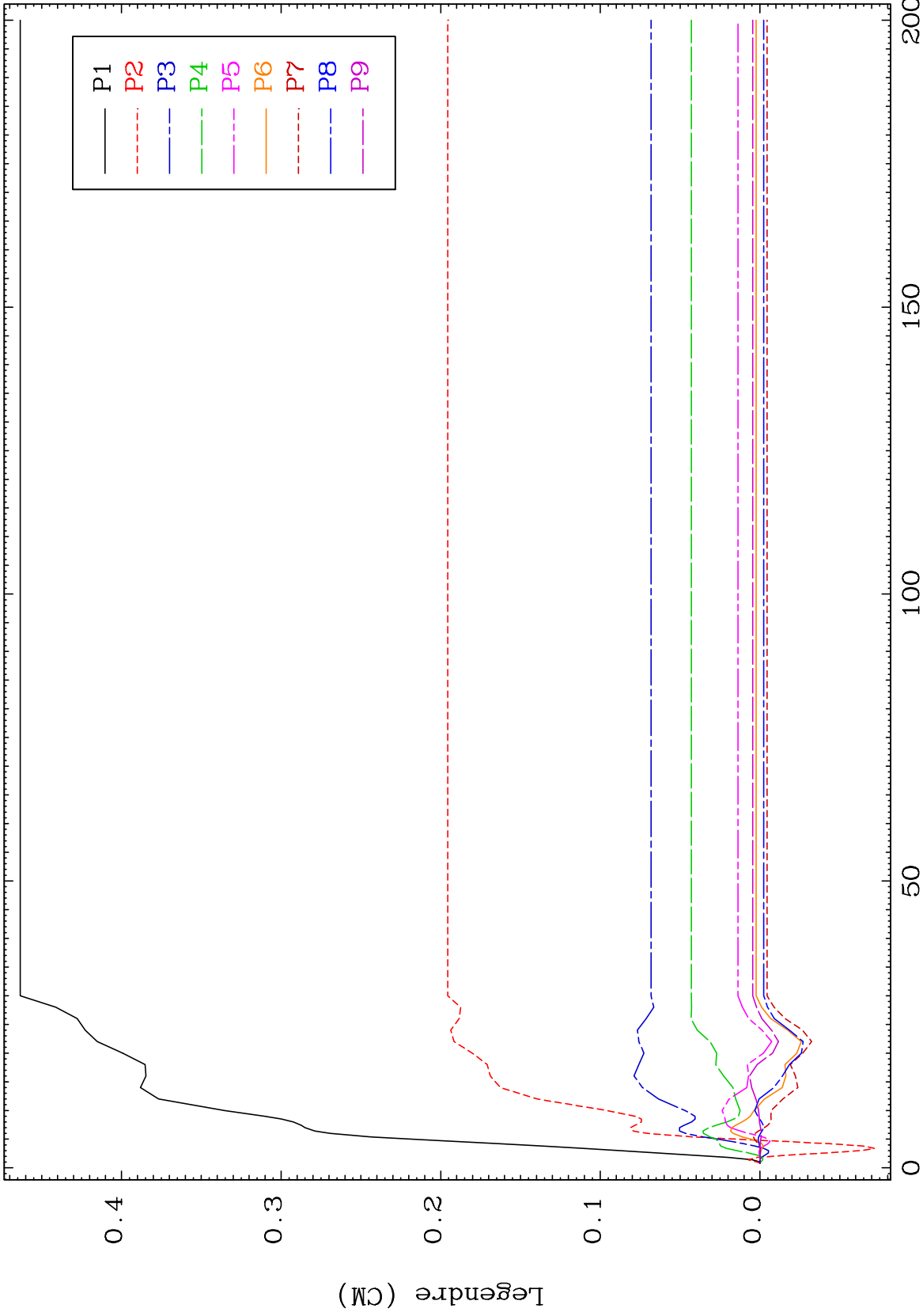
Incident Energy (MeV)

57-La-147

MAT 5752

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

57-La-147



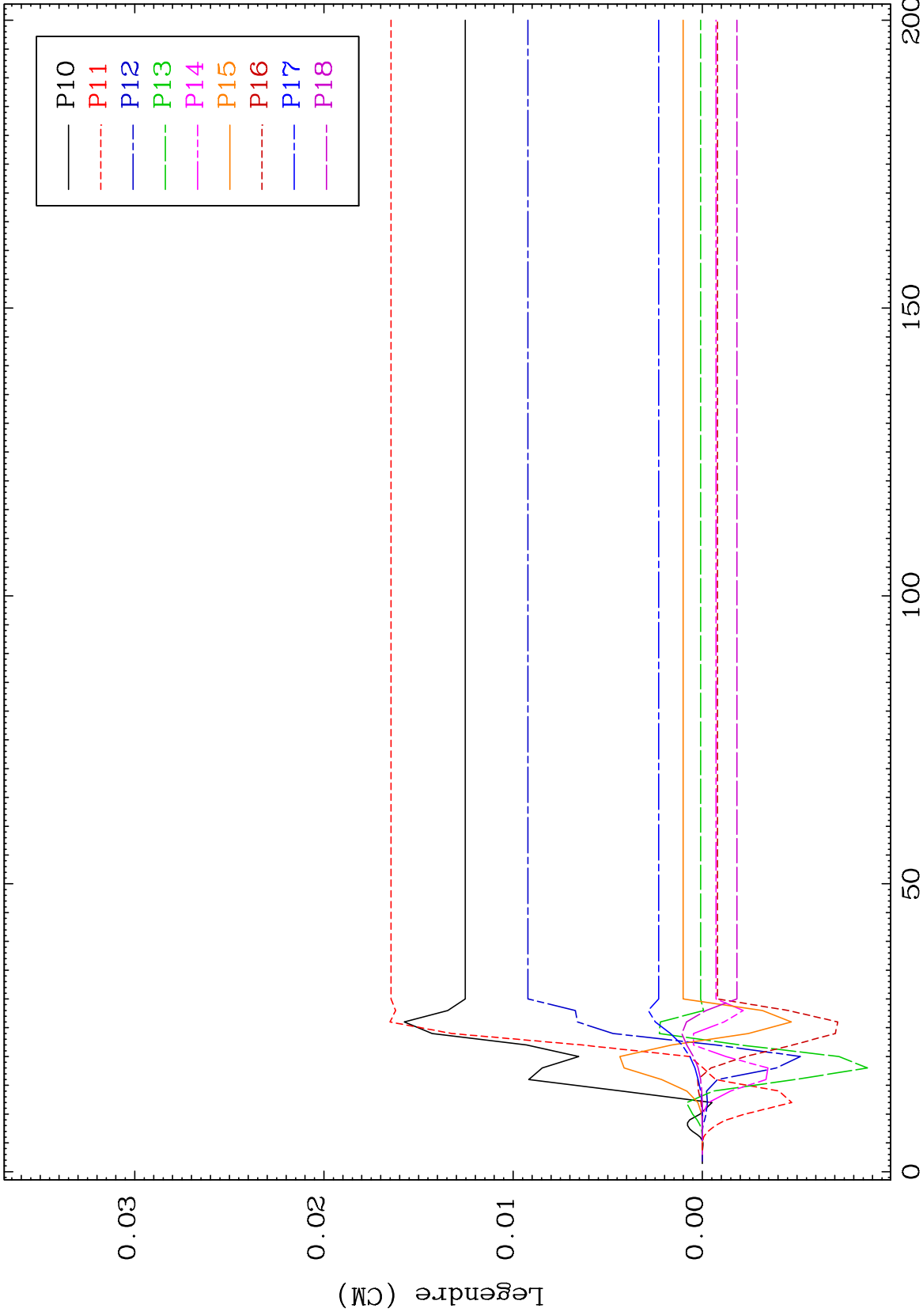
124

57-La-147

MAT 5752

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

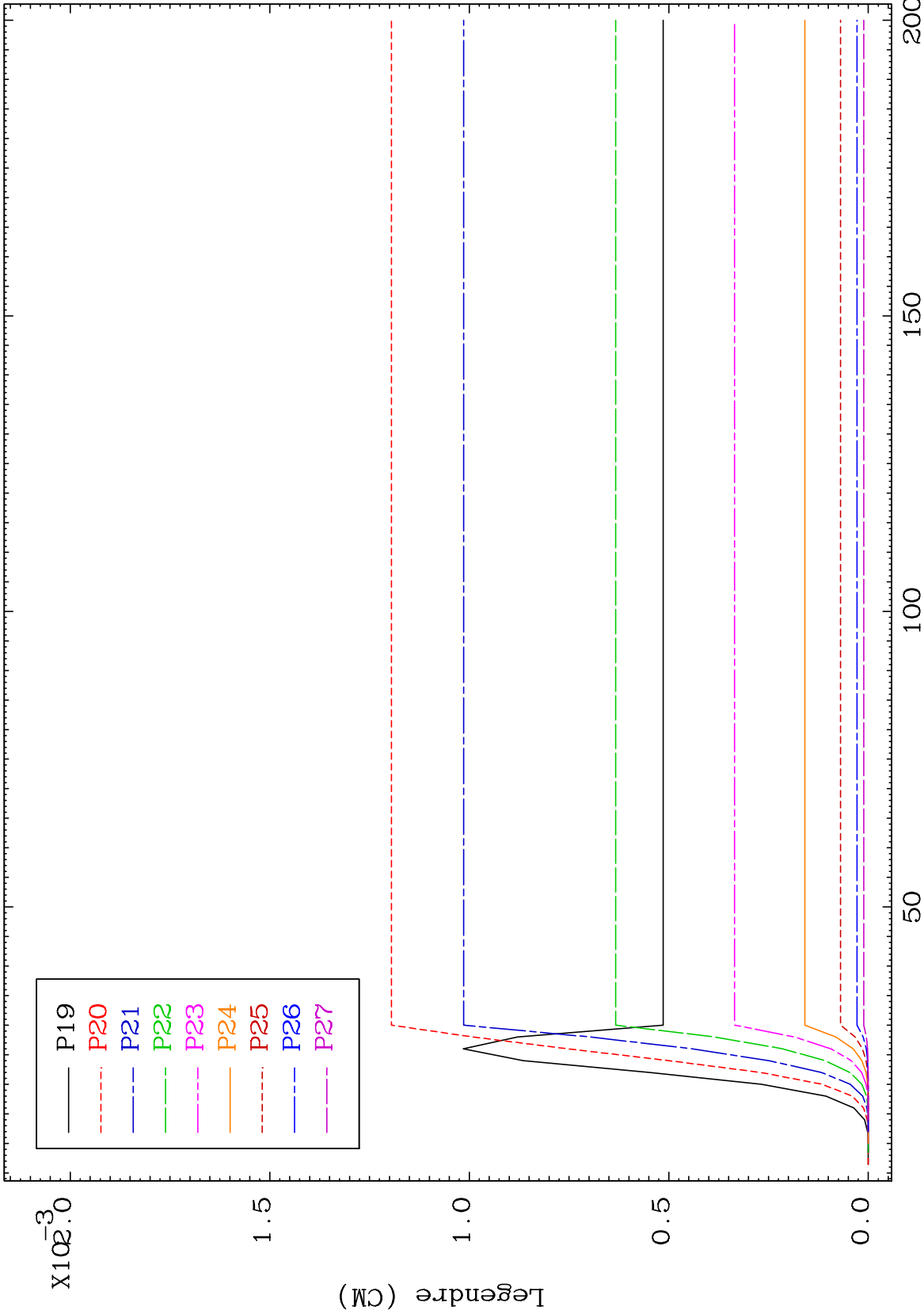
57-La-147



125

Incident Energy (MeV)

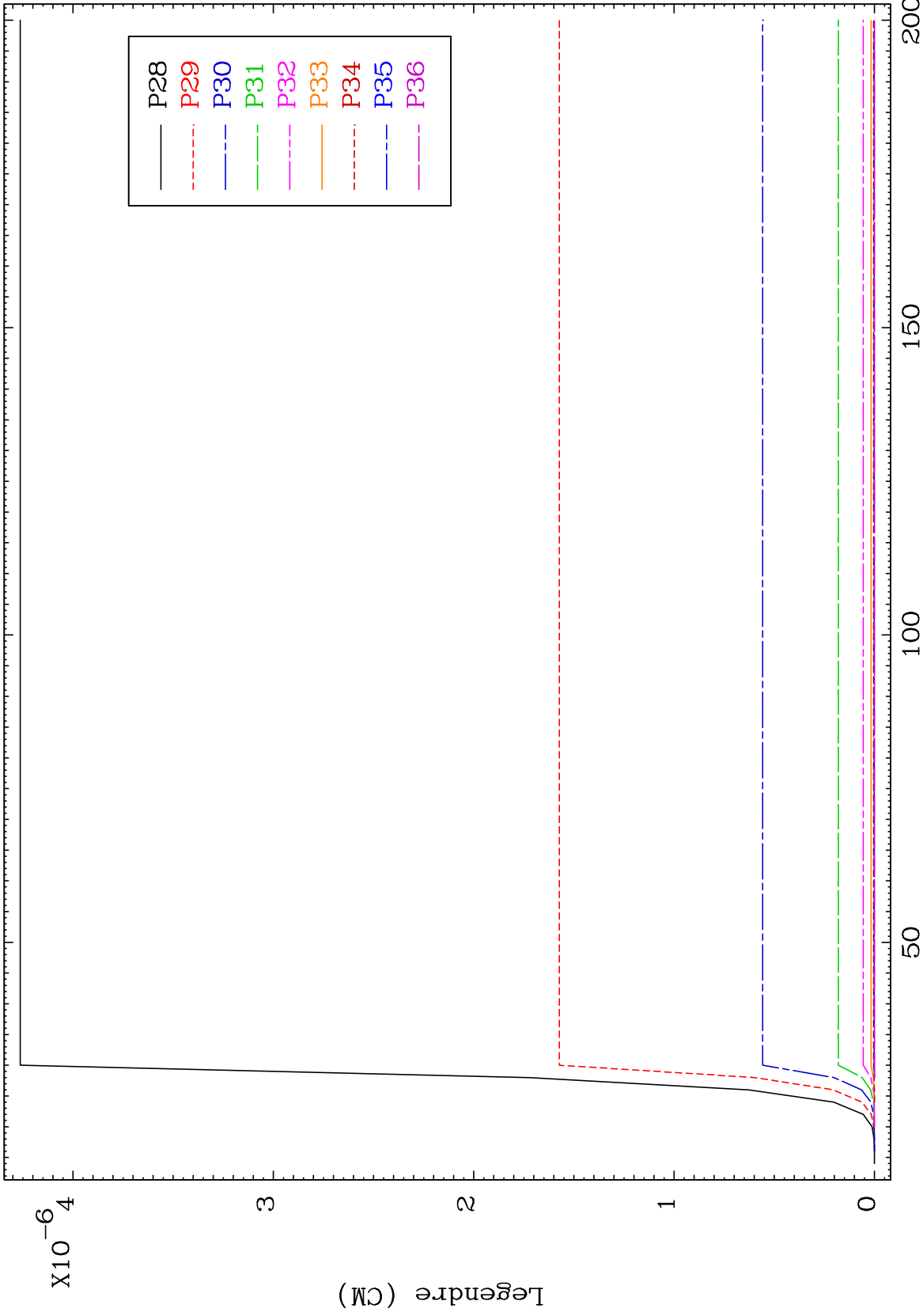
57-La-147



MAT 5752

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

57-La-147



127

Incident Energy (MeV)

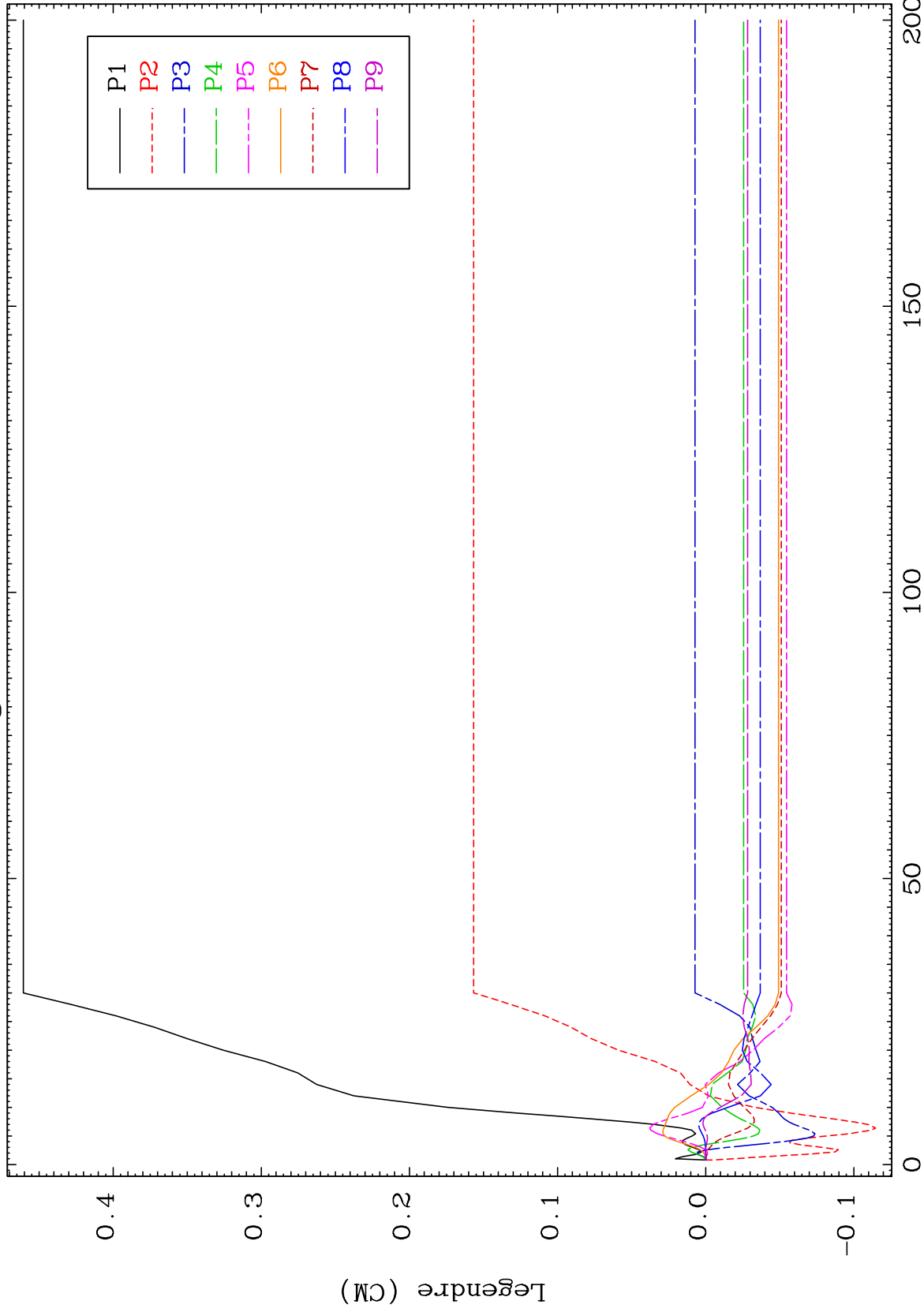
57-La-147



MAT 5752

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

57-La-147



128

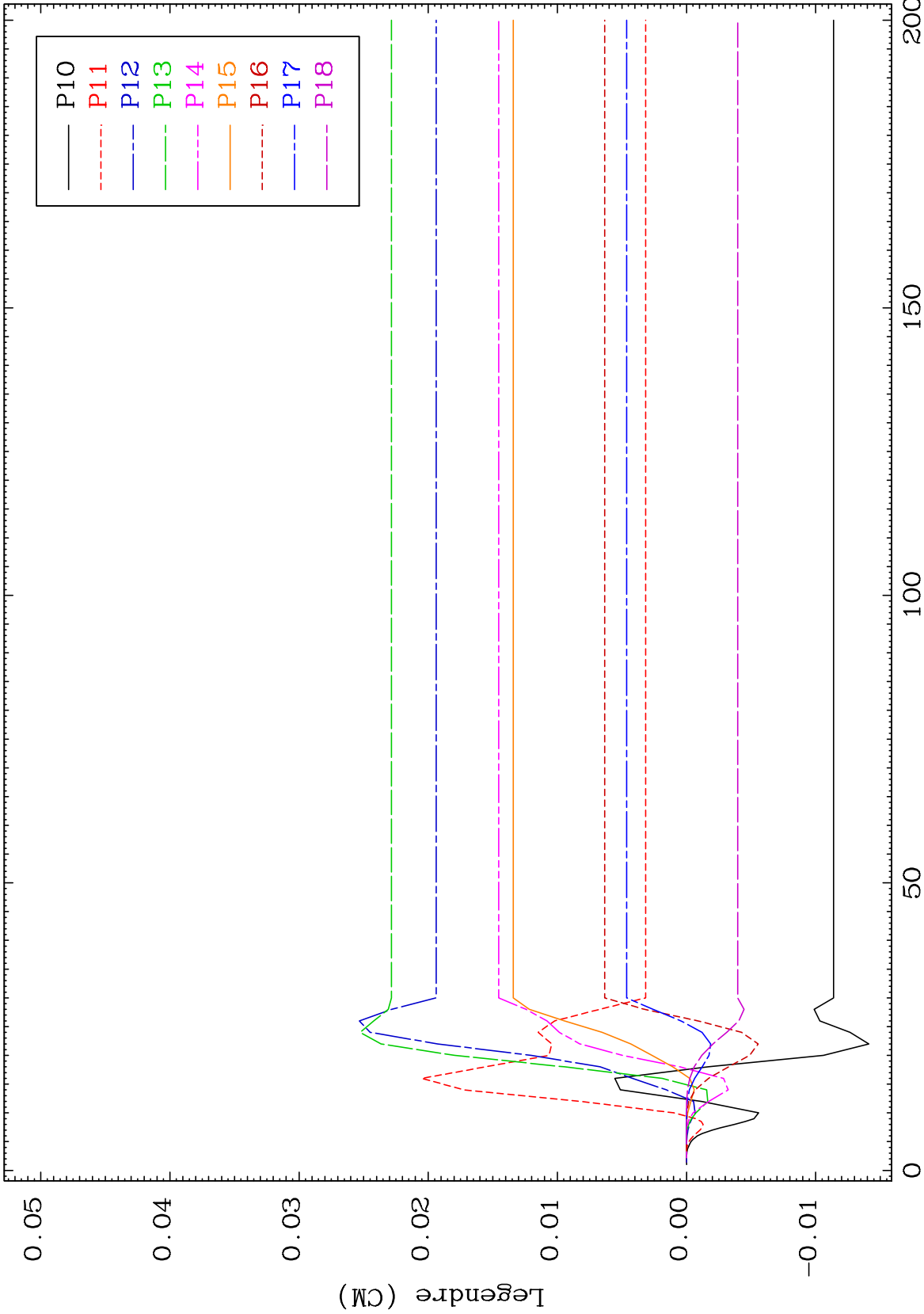
Incident Energy (MeV)

57-La-147

MAT 5752

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

57-La-147



129

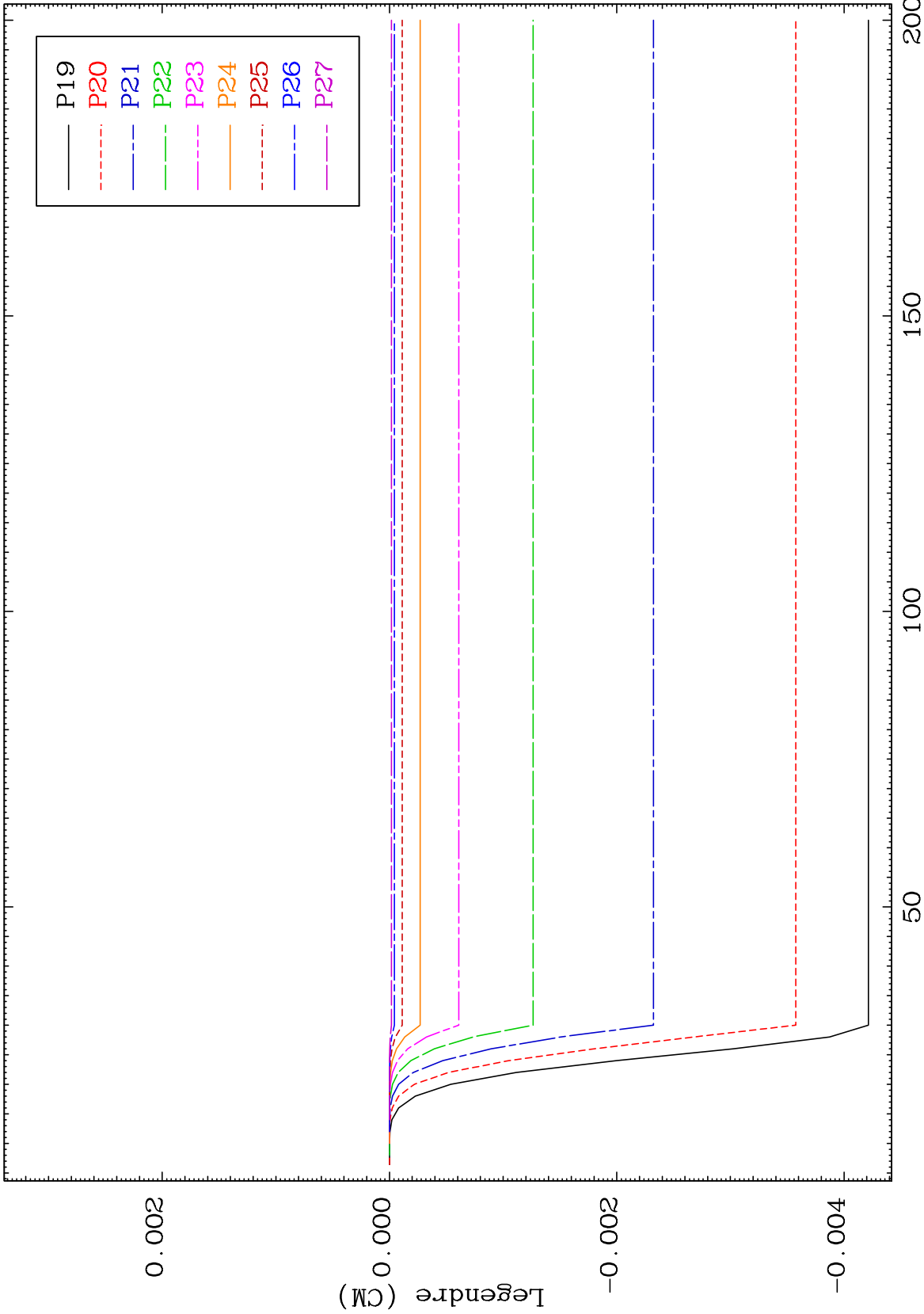
Incident Energy (MeV)

57-La-147

MAT 5752

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

57-La-147



130

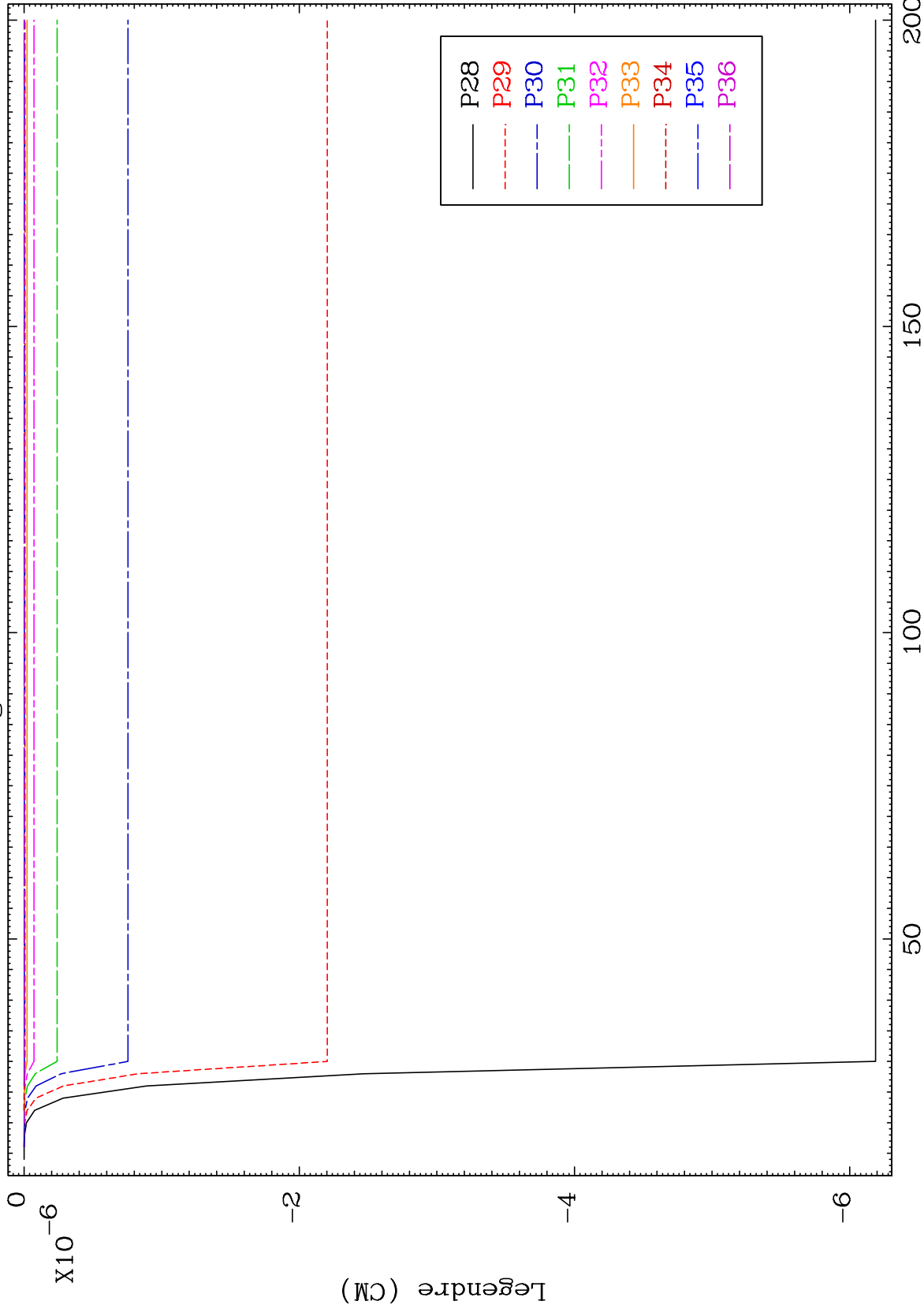
Incident Energy (MeV)

57-La-147

MAT 5752

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

57-La-147



57-La-147

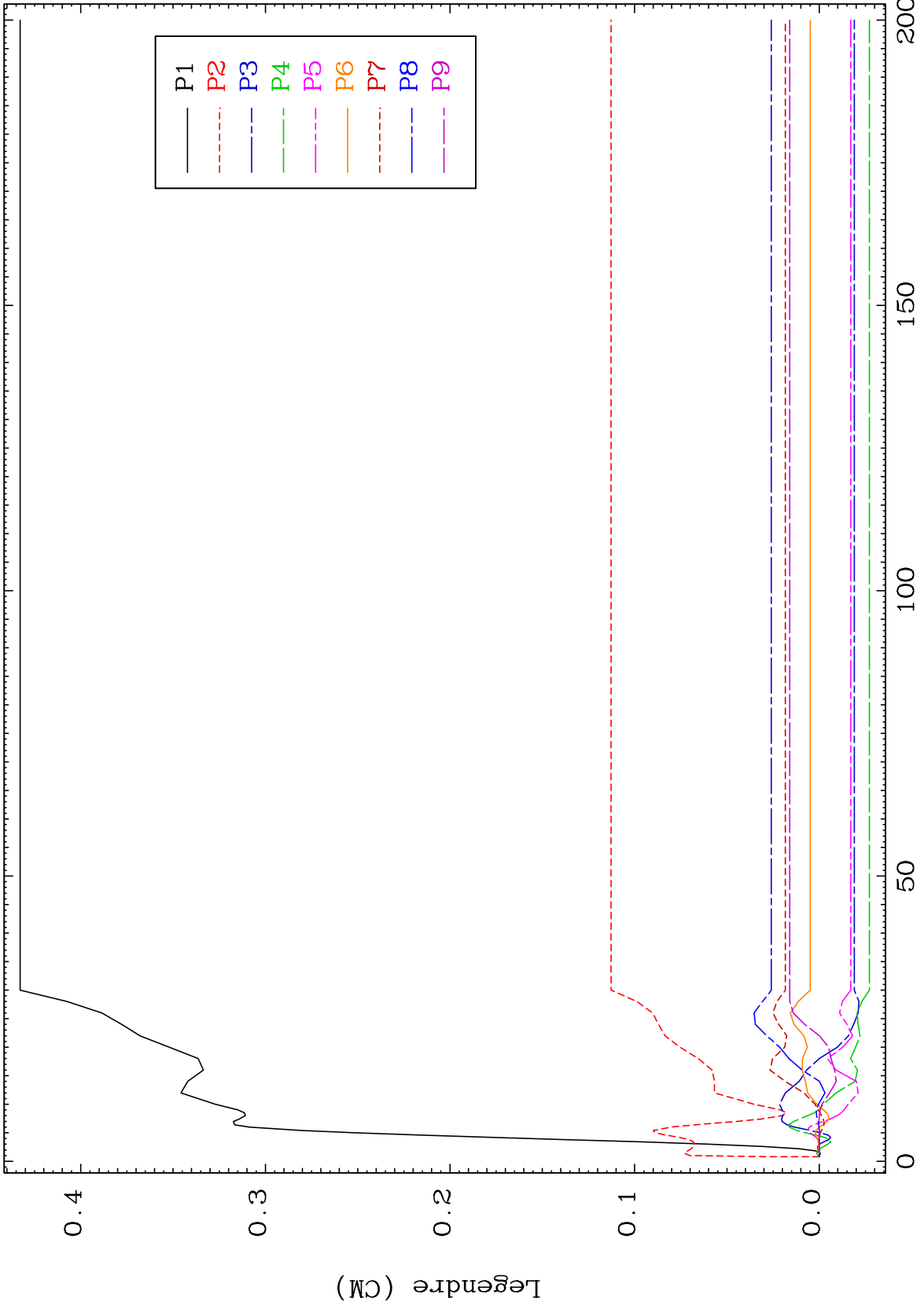
Incident Energy (MeV)

131

MAT 5752

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

57-La-147



57-La-147

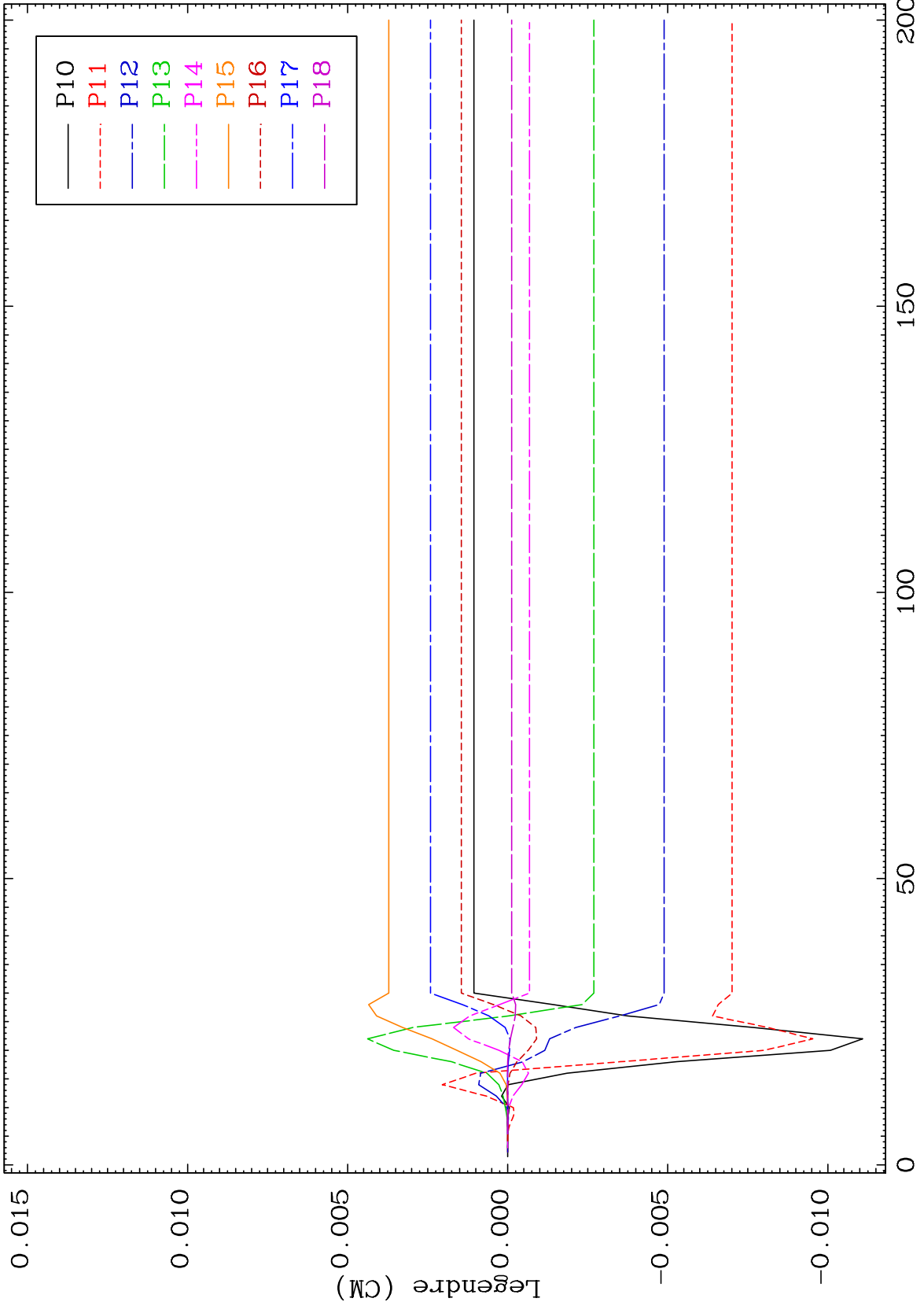
Incident Energy (MeV)

132

MAT 5752

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

57-La-147



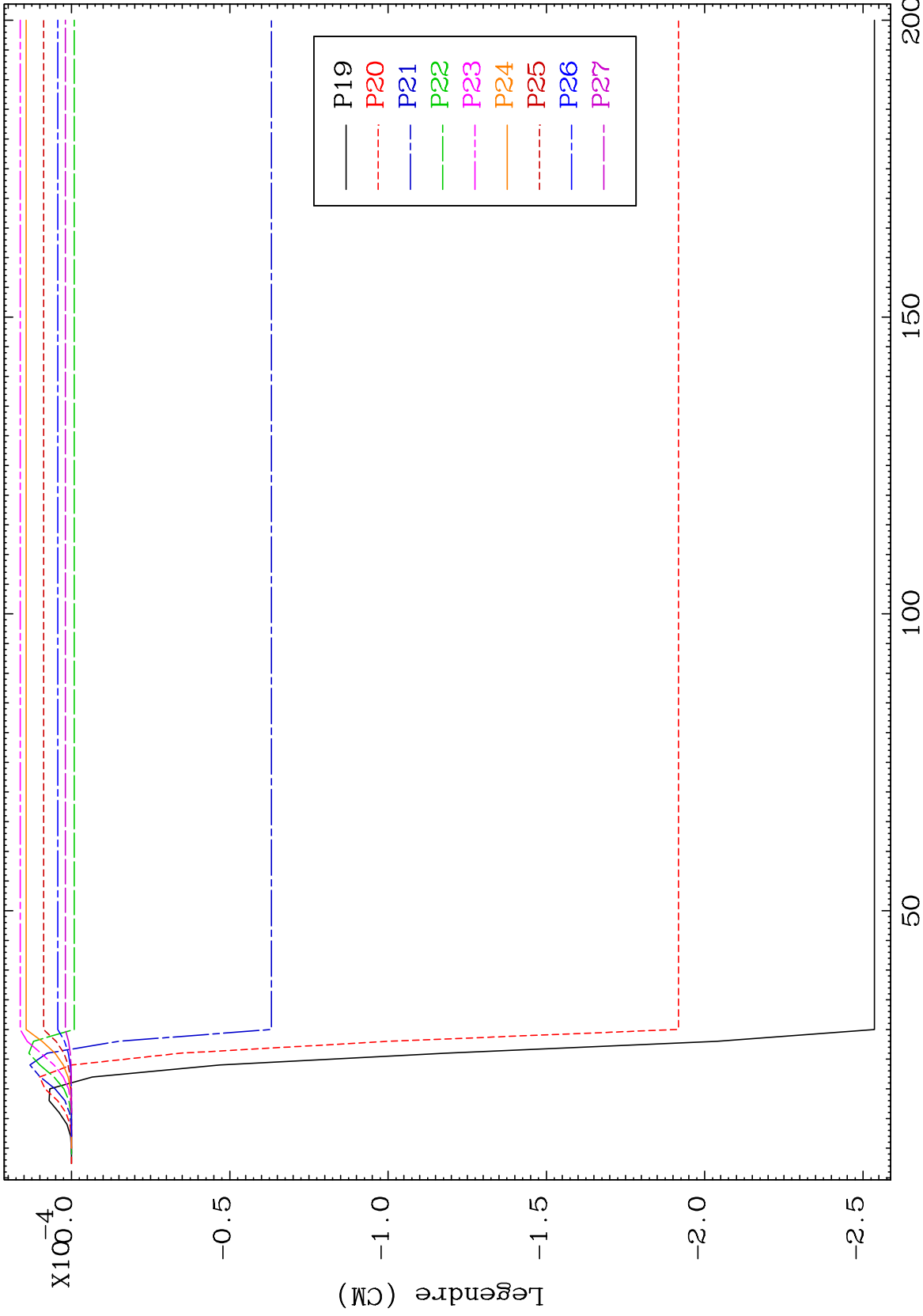
133

57-La-147

MAT 5752

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

57-La-147



134

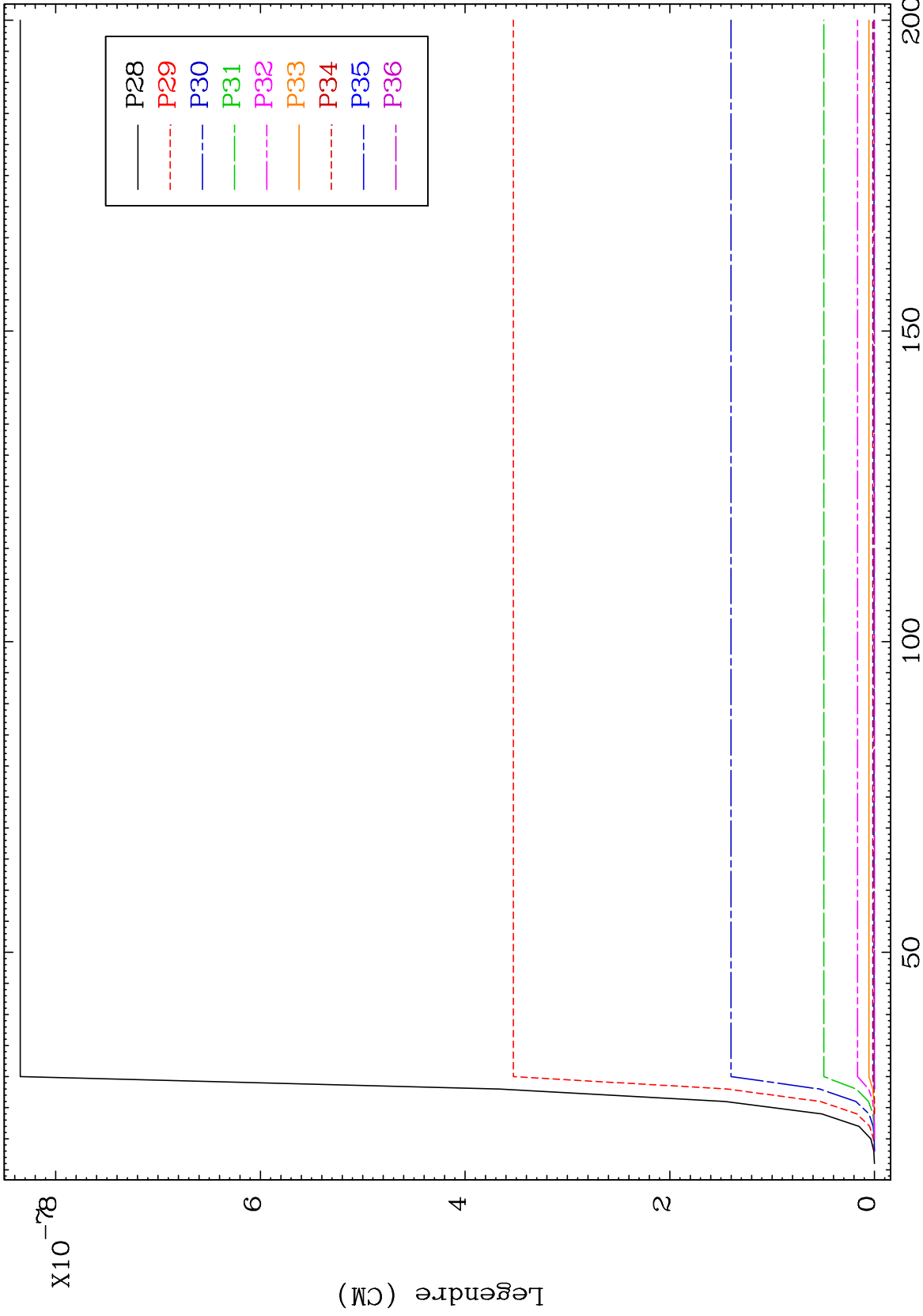
Incident Energy (MeV)

57-La-147

MAT 5752

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

57-La-147



135

Incident Energy (MeV)

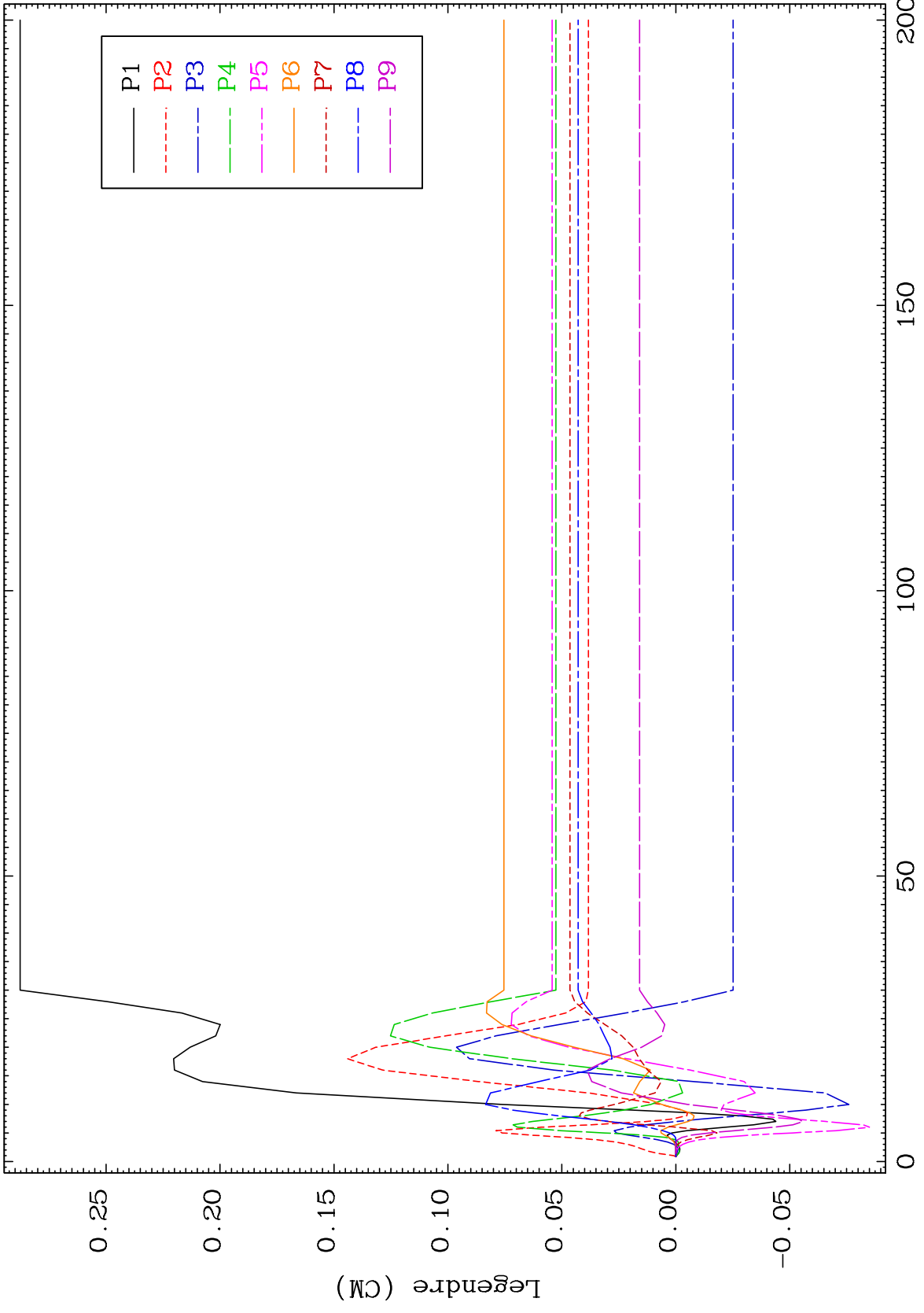
57-La-147



MAT 5752

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

57-La-147



136

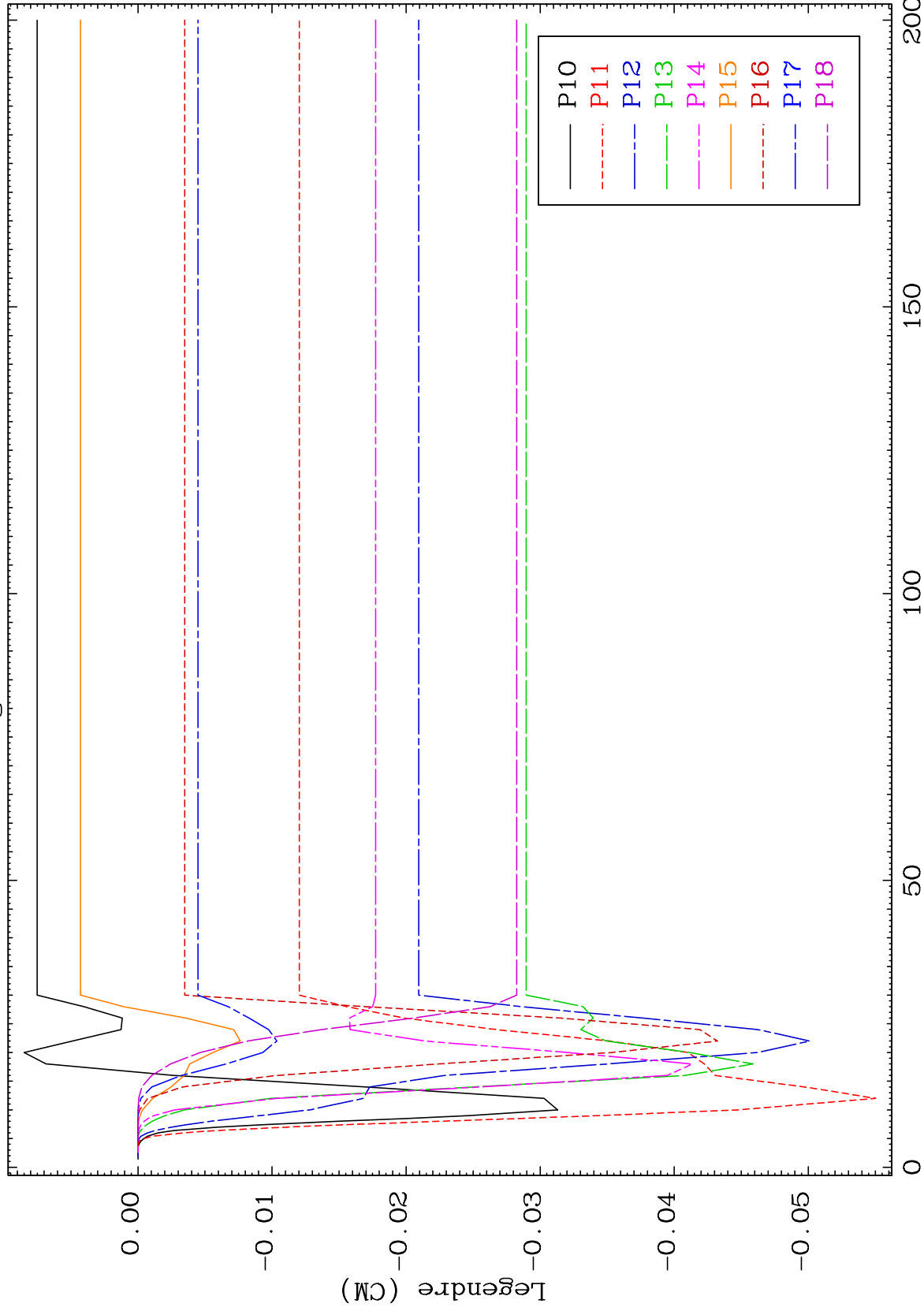
Incident Energy (MeV)

57-La-147

MAT 5752

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

57-La-147



137

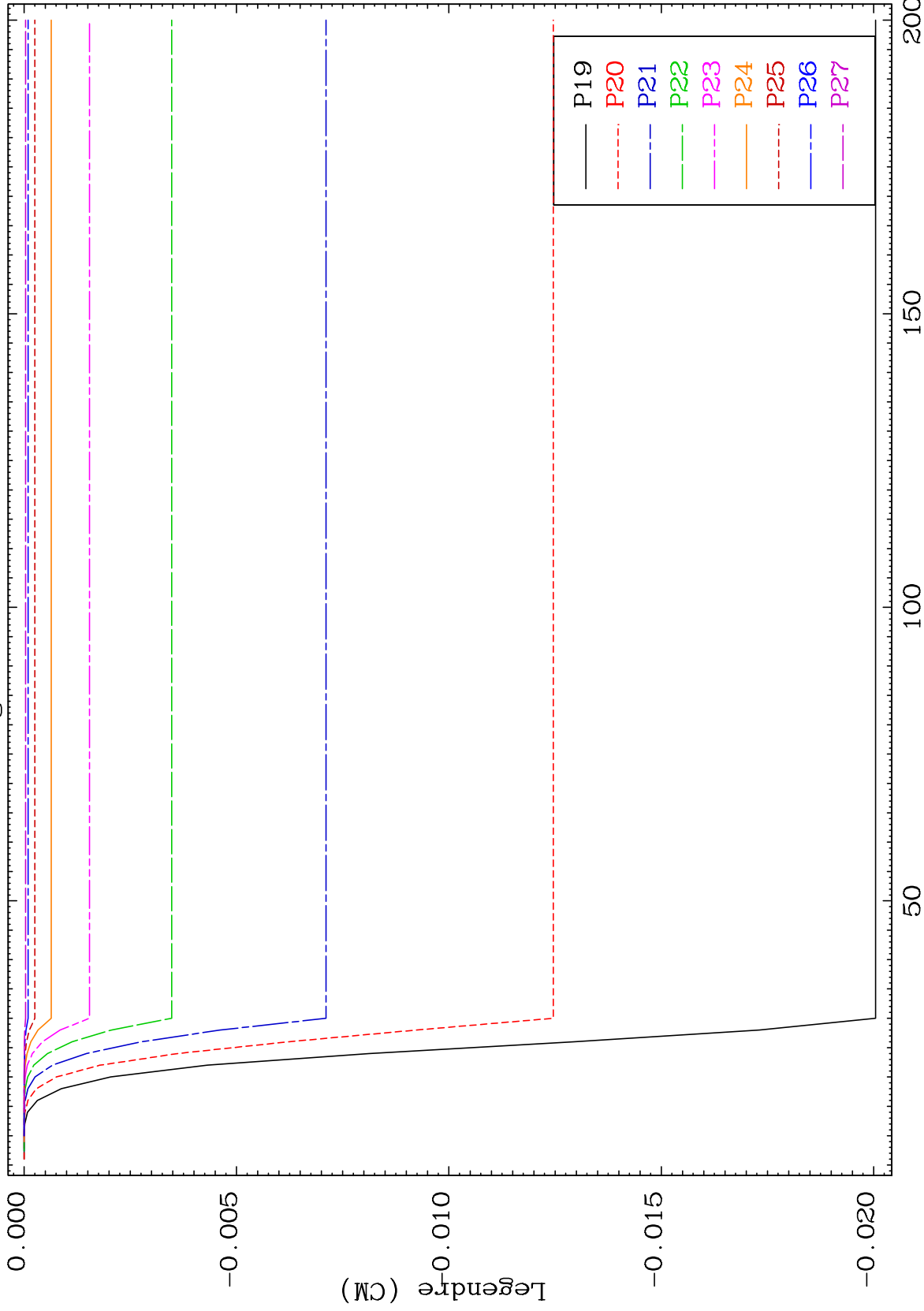
Incident Energy (MeV)

57-La-147

MAT 5752

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

57-La-147



138

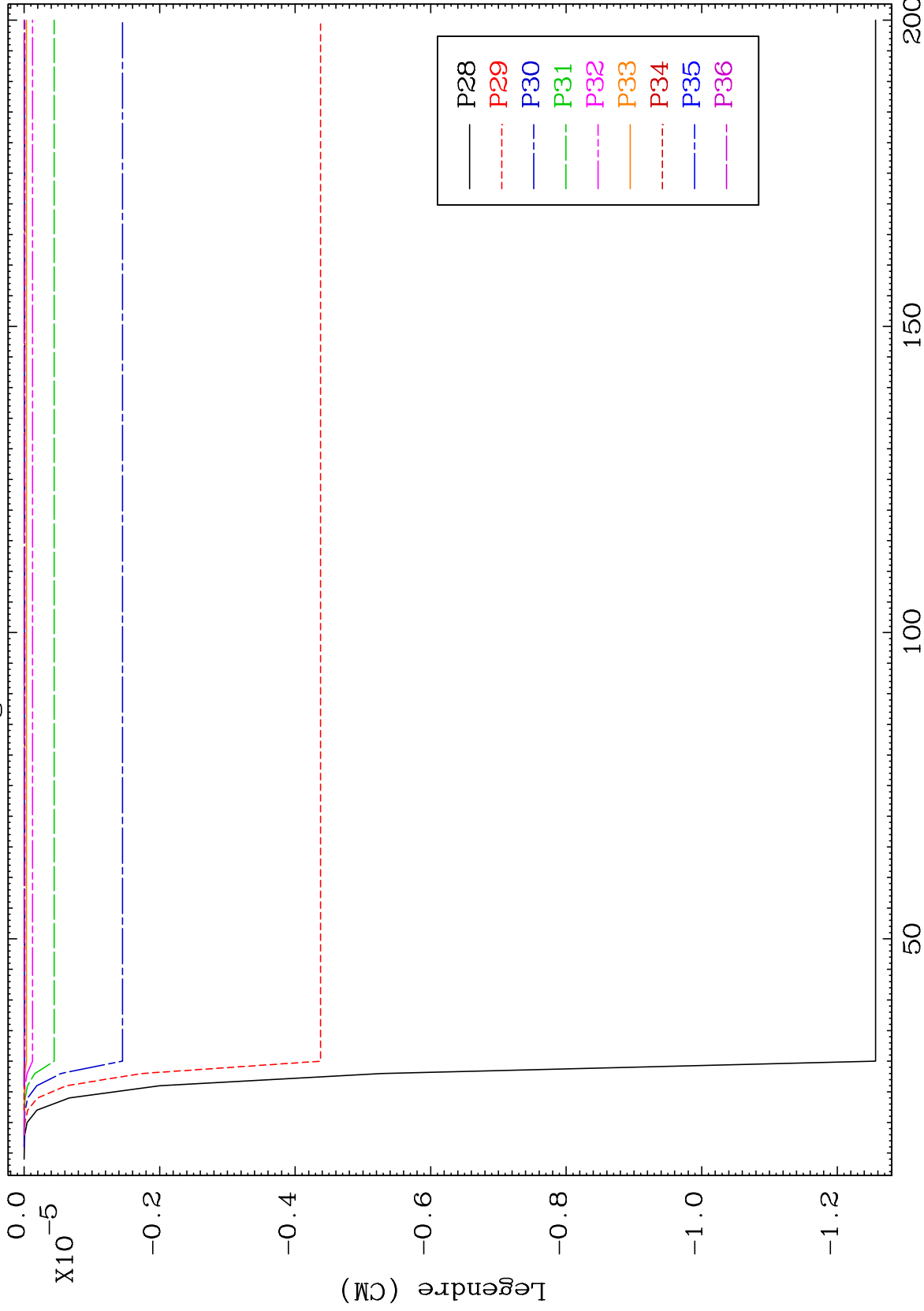
Incident Energy (MeV)

57-La-147

MAT 5752

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

57-La-147



139

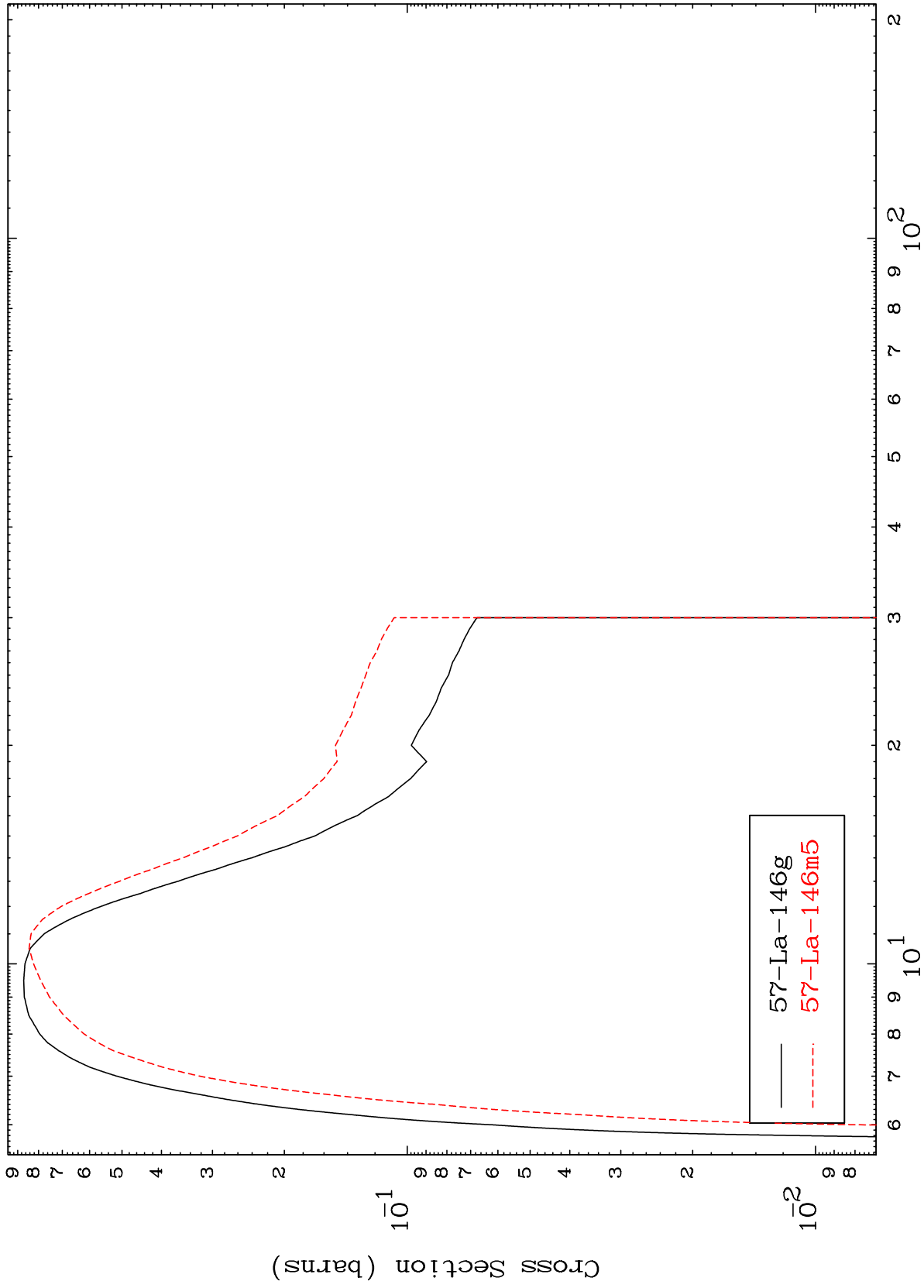
Incident Energy (MeV)

57-La-147

MAT 5752

57-La-147

Radionuclide Production Cross Section  
(n,2n)



140

Incident Energy (MeV)

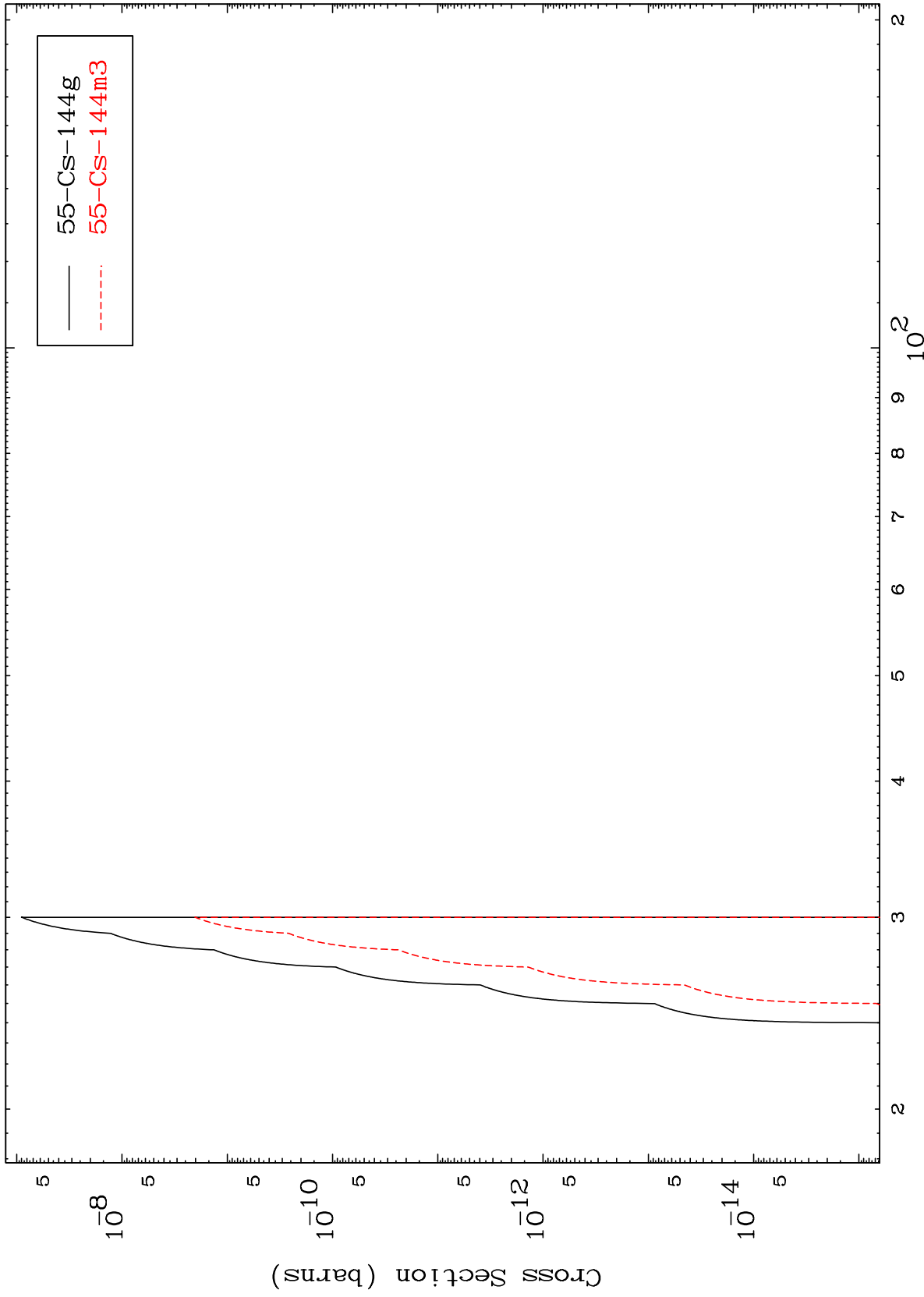
57-La-147

MAT 5752

(n, n') He-3

57-La-147

Radionuclide Production Cross Section



141

Incident Energy (MeV)

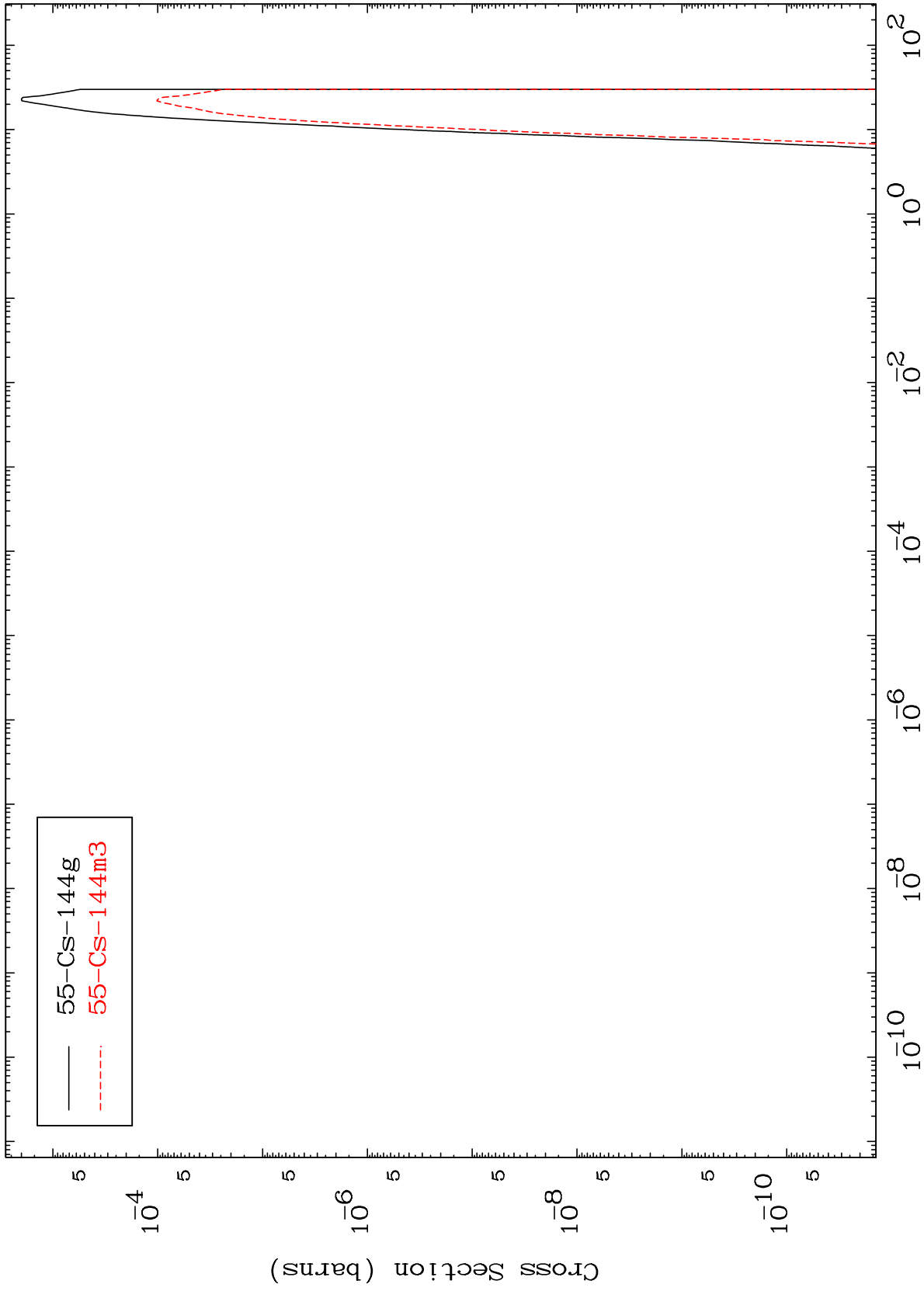
57-La-147

MAT 5752

(n,  $\alpha$ )

57-La-147

Radionuclide Production Cross Section



142

Incident Energy (MeV)

57-La-147