

Program EVALPLOT
(Version 2018-1)

by

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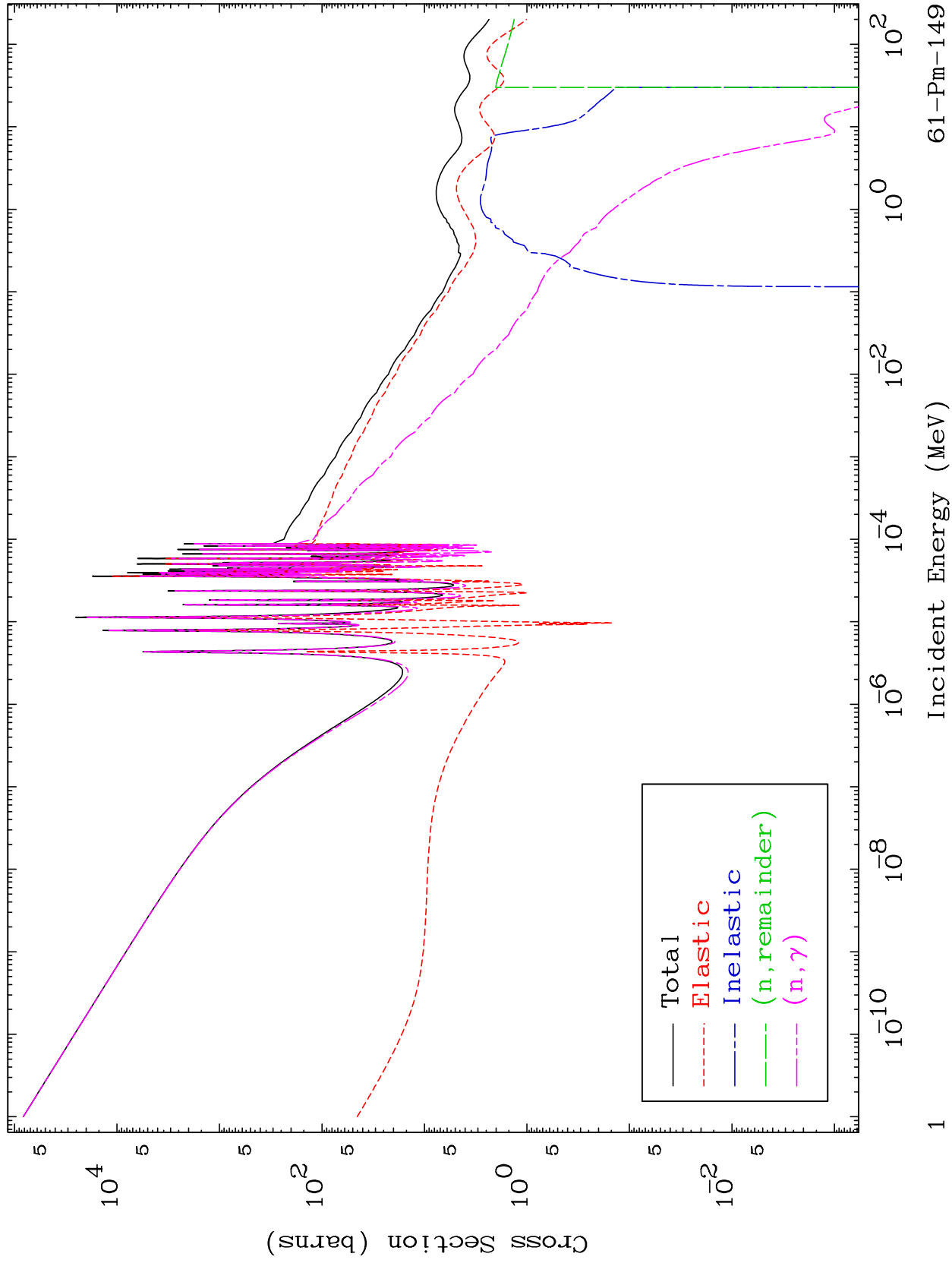
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6155

Major
293 Kelvin Cross Sections

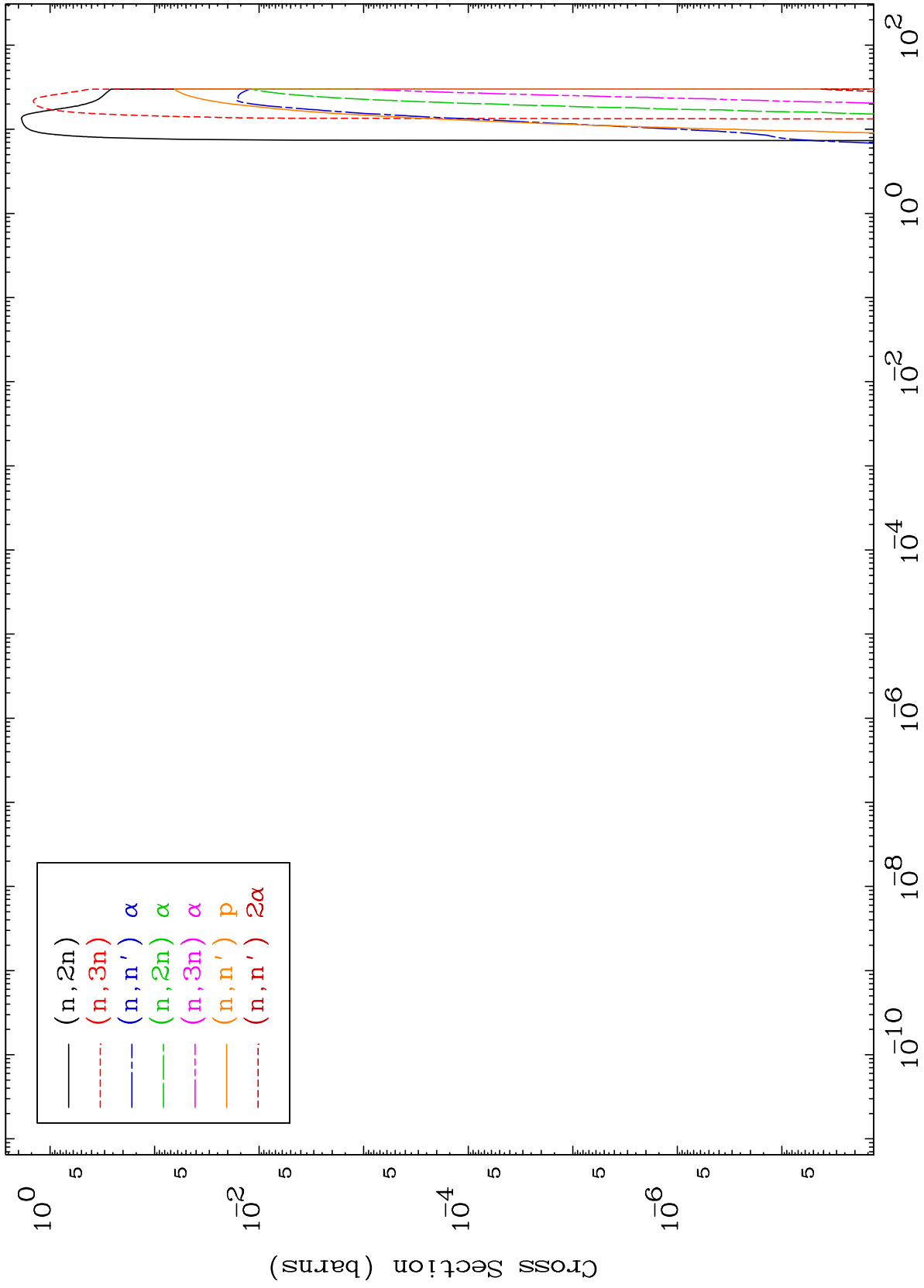
61-Pm-149



MAT 6155

Neutron Production
293 Kelvin Cross Sections

61-Pm-149



2

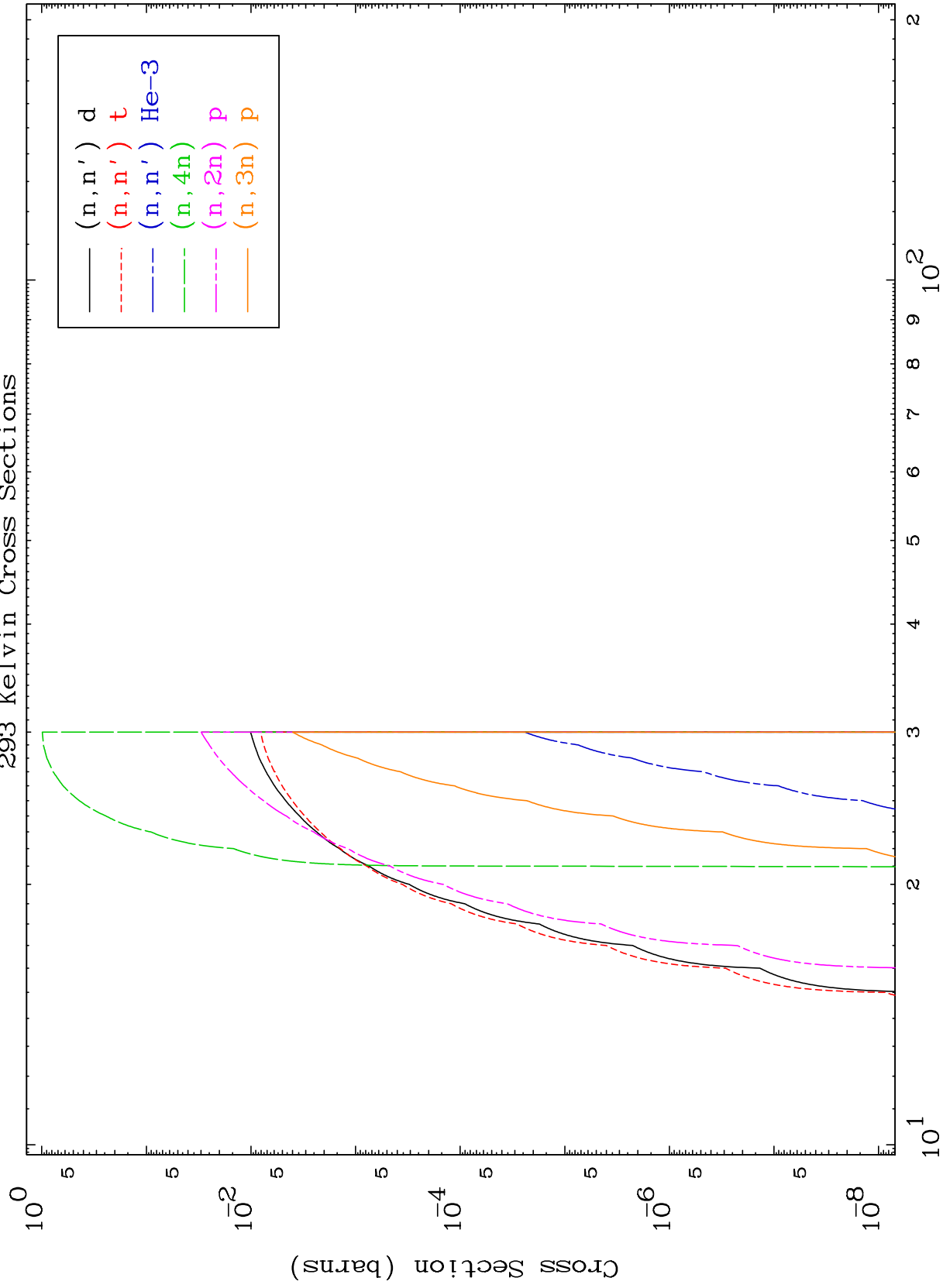
Incident Energy (MeV)

61-Pm-149

MAT 6155

Neutron Production
293 Kelvin Cross Sections

61-Pm-149



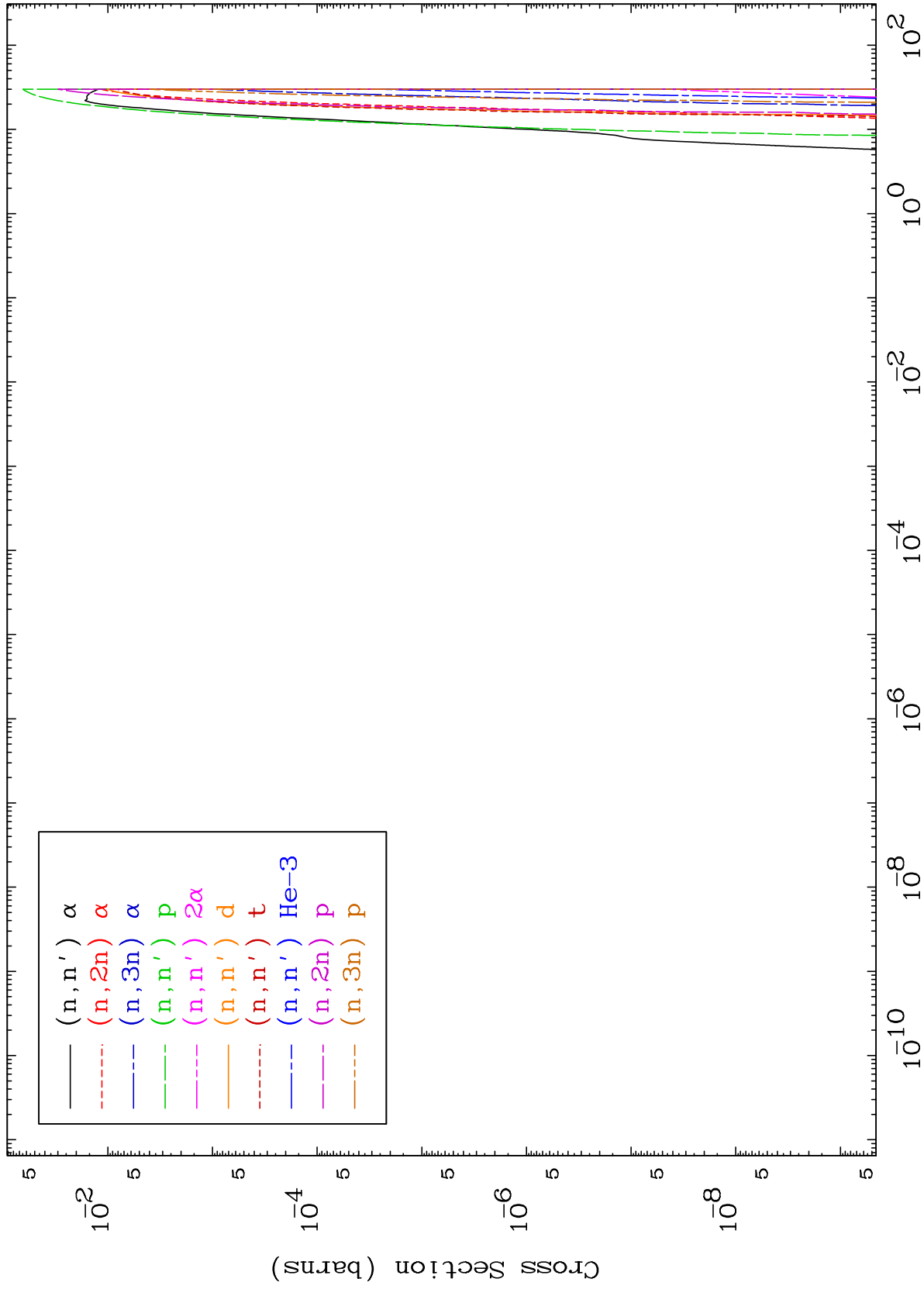
Incident Energy (MeV)

61-Pm-149

MAT 6155

293 Kelvin Cross Sections

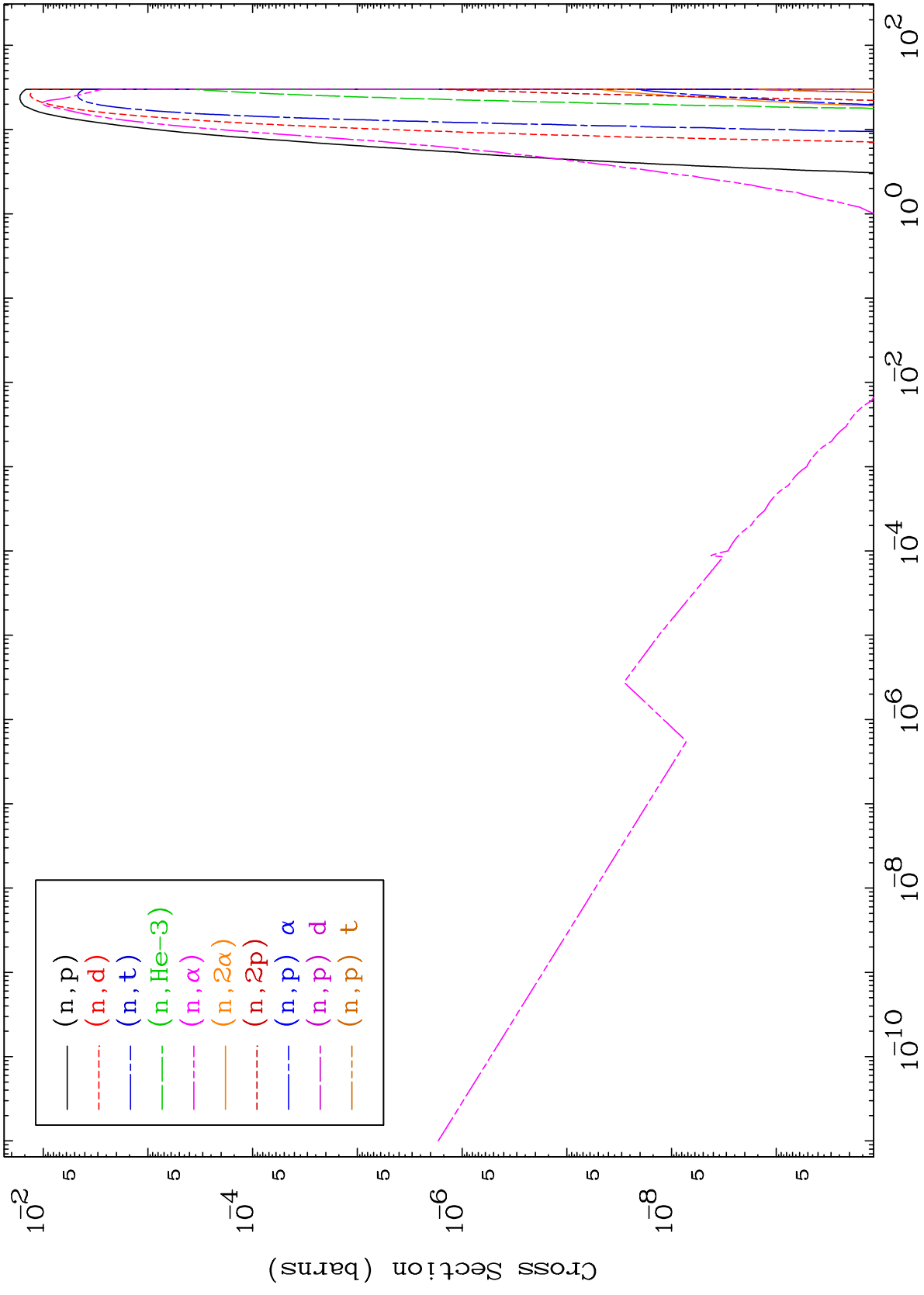
61-Pm-149



MAT 6155

293 Kelvin Cross Sections

61-Pm-149



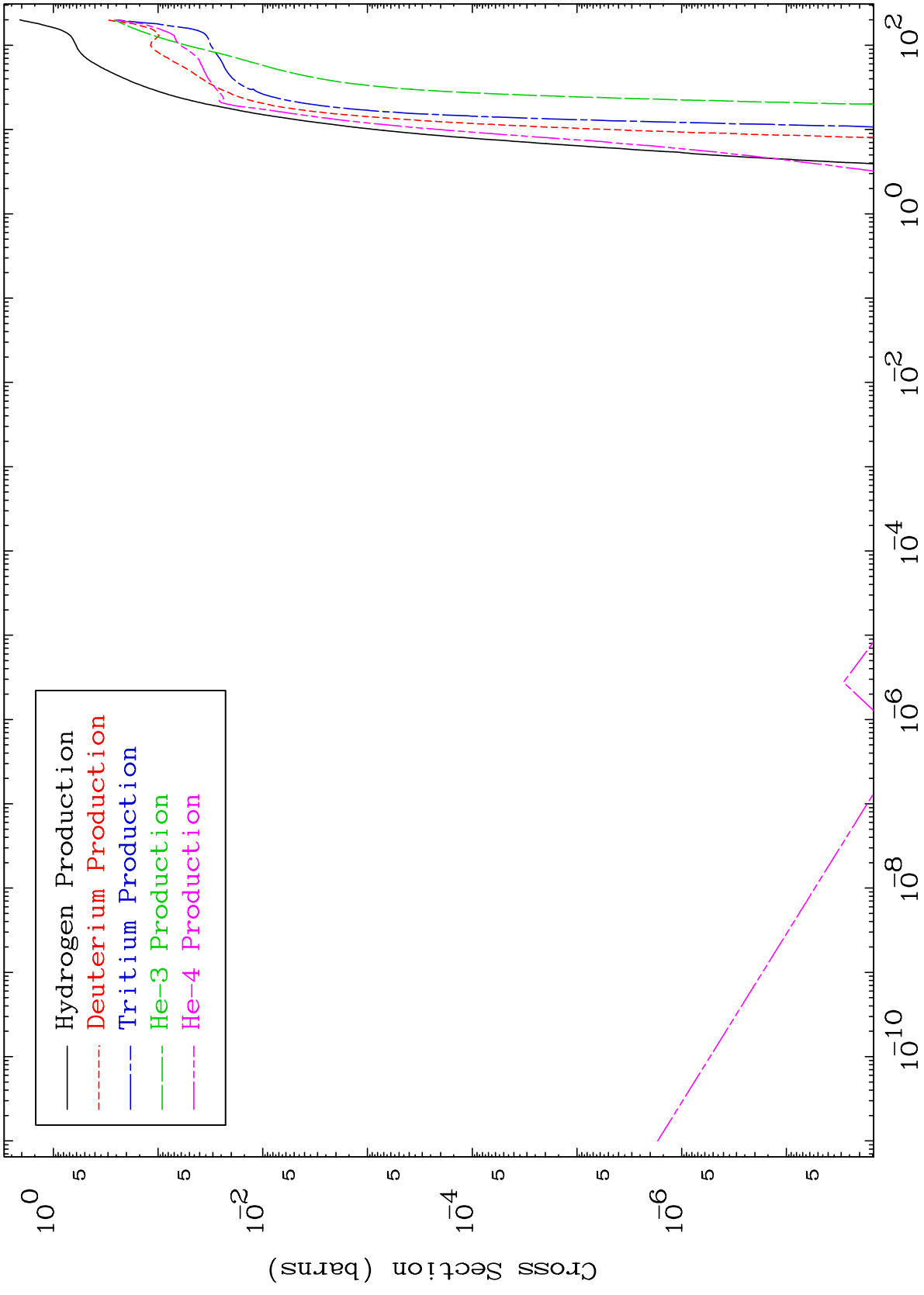
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61-Pm-149

MAT 6155

Particle Production
293 Kelvin Cross Sections

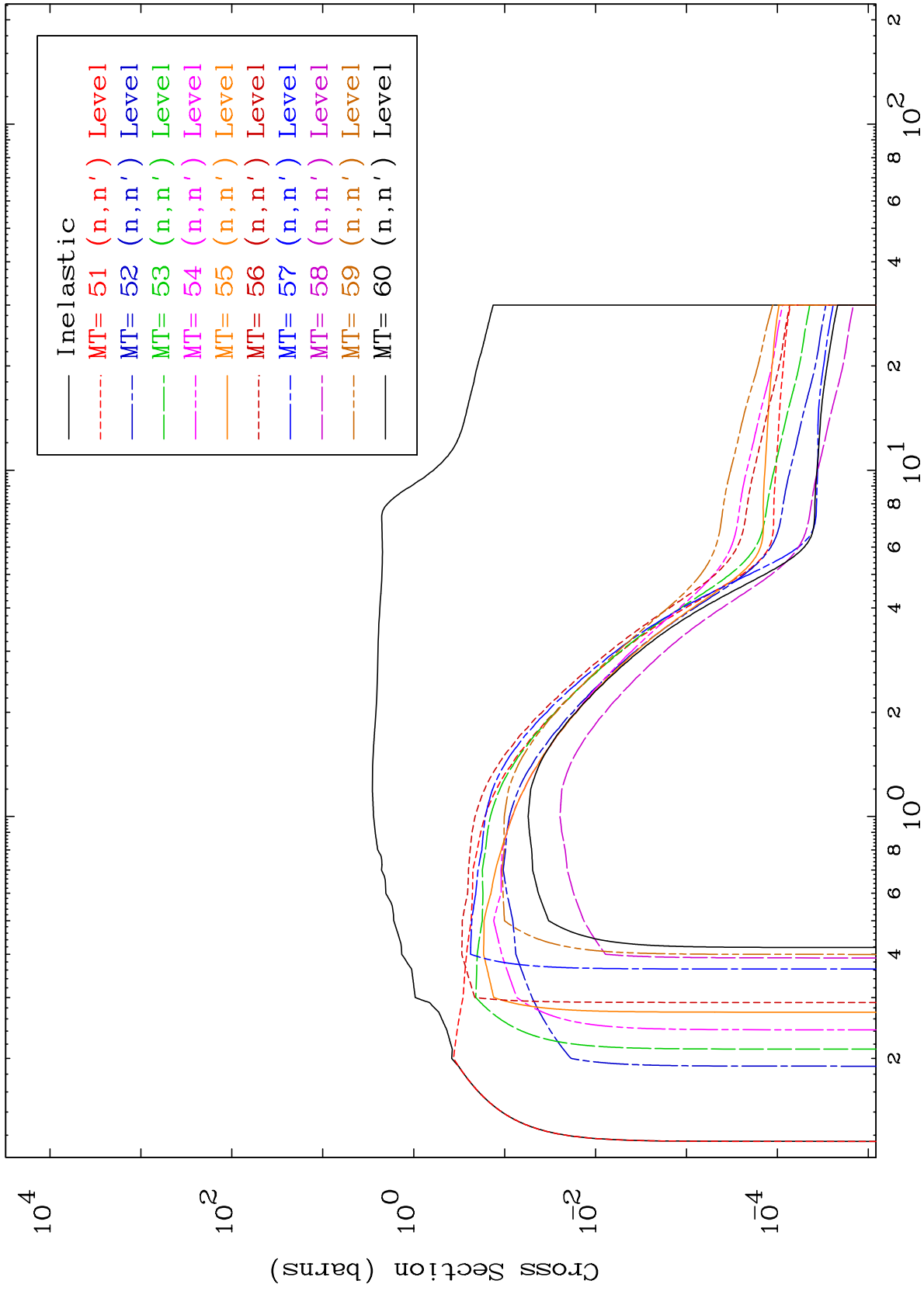
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6

Incident Energy (MeV)

61-Pm-149

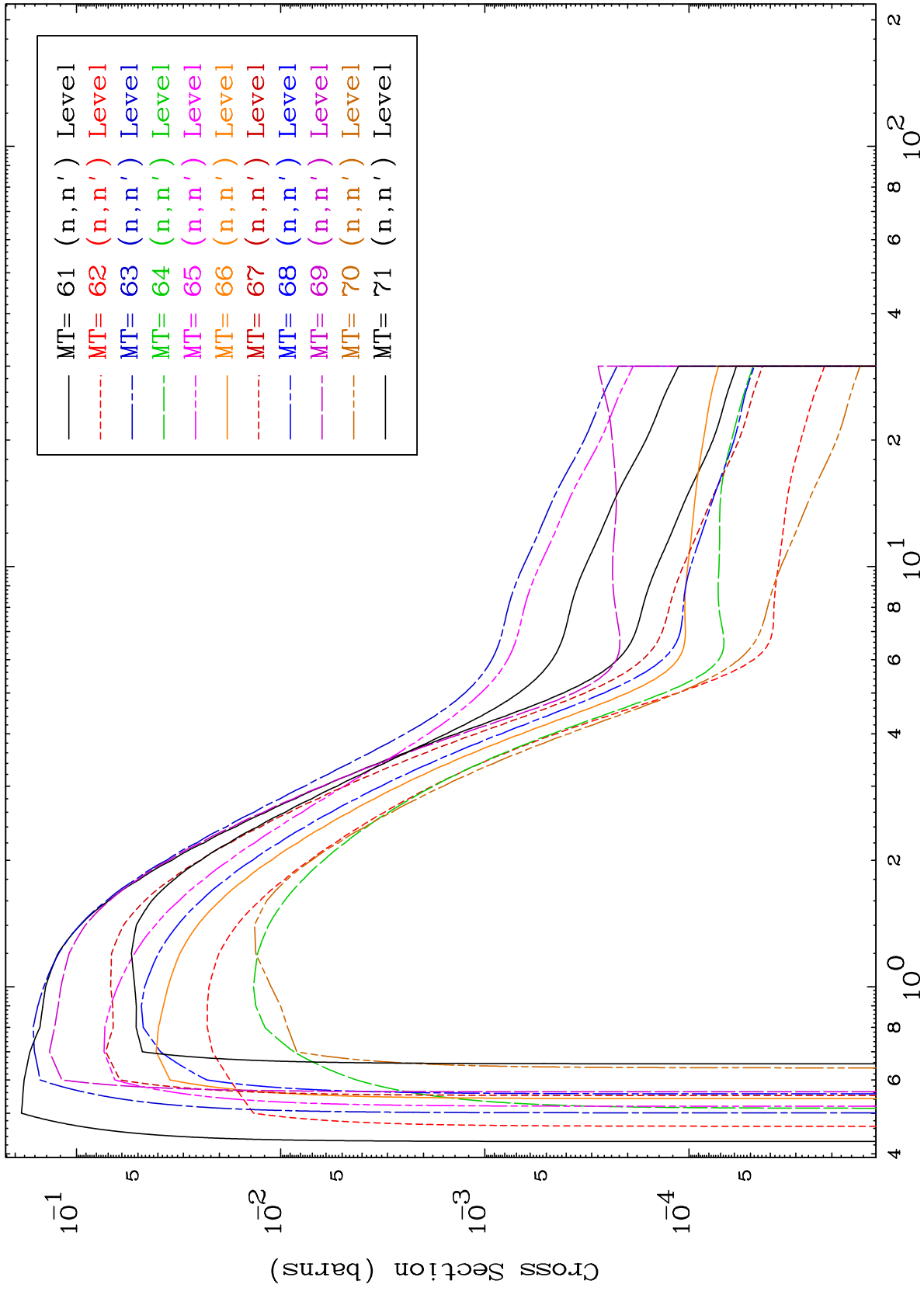


MAT 6155

(n,n') Level

61-Pm-149

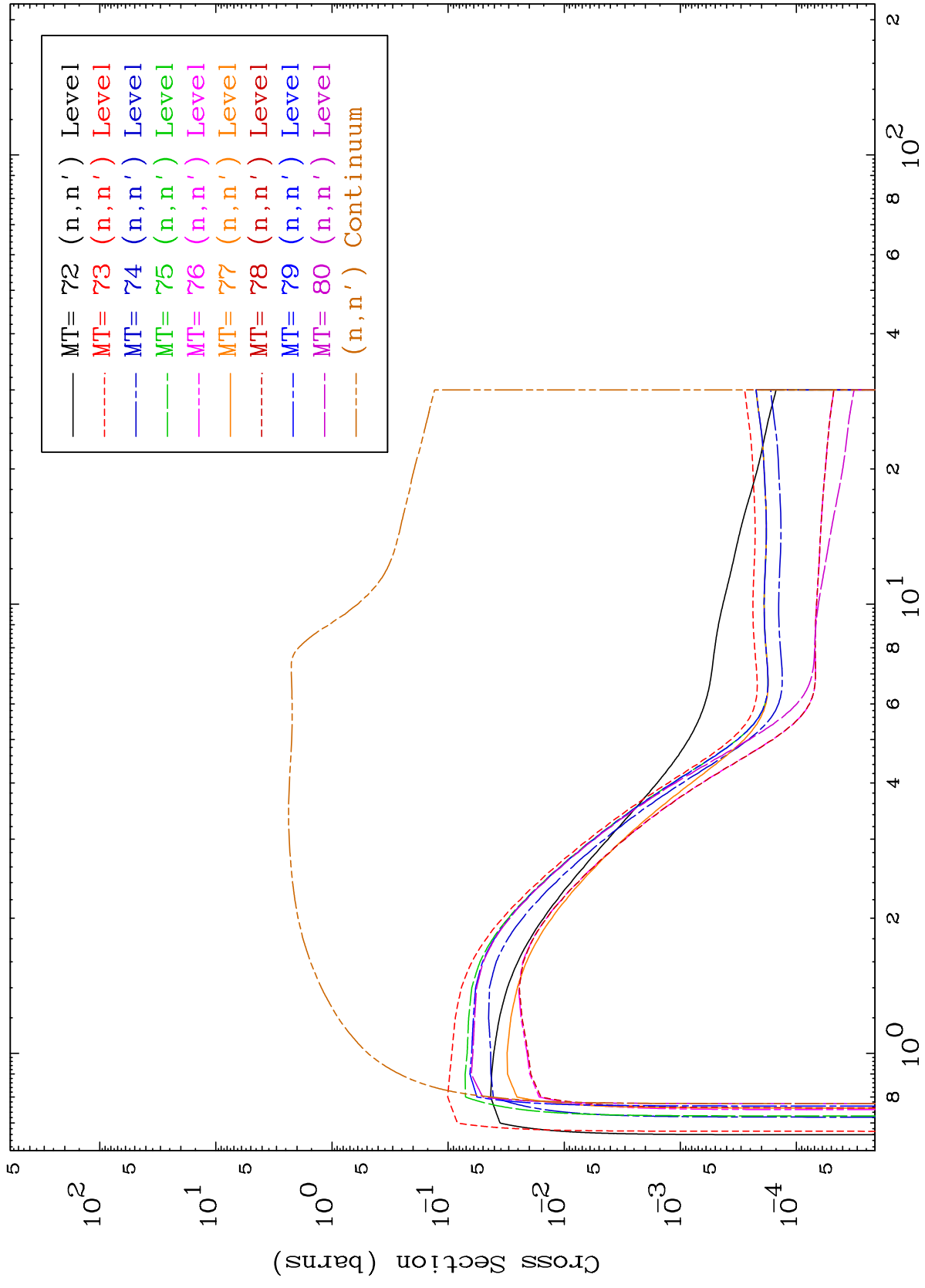
293 Kelvin Cross Sections



8

Incident Energy (MeV)

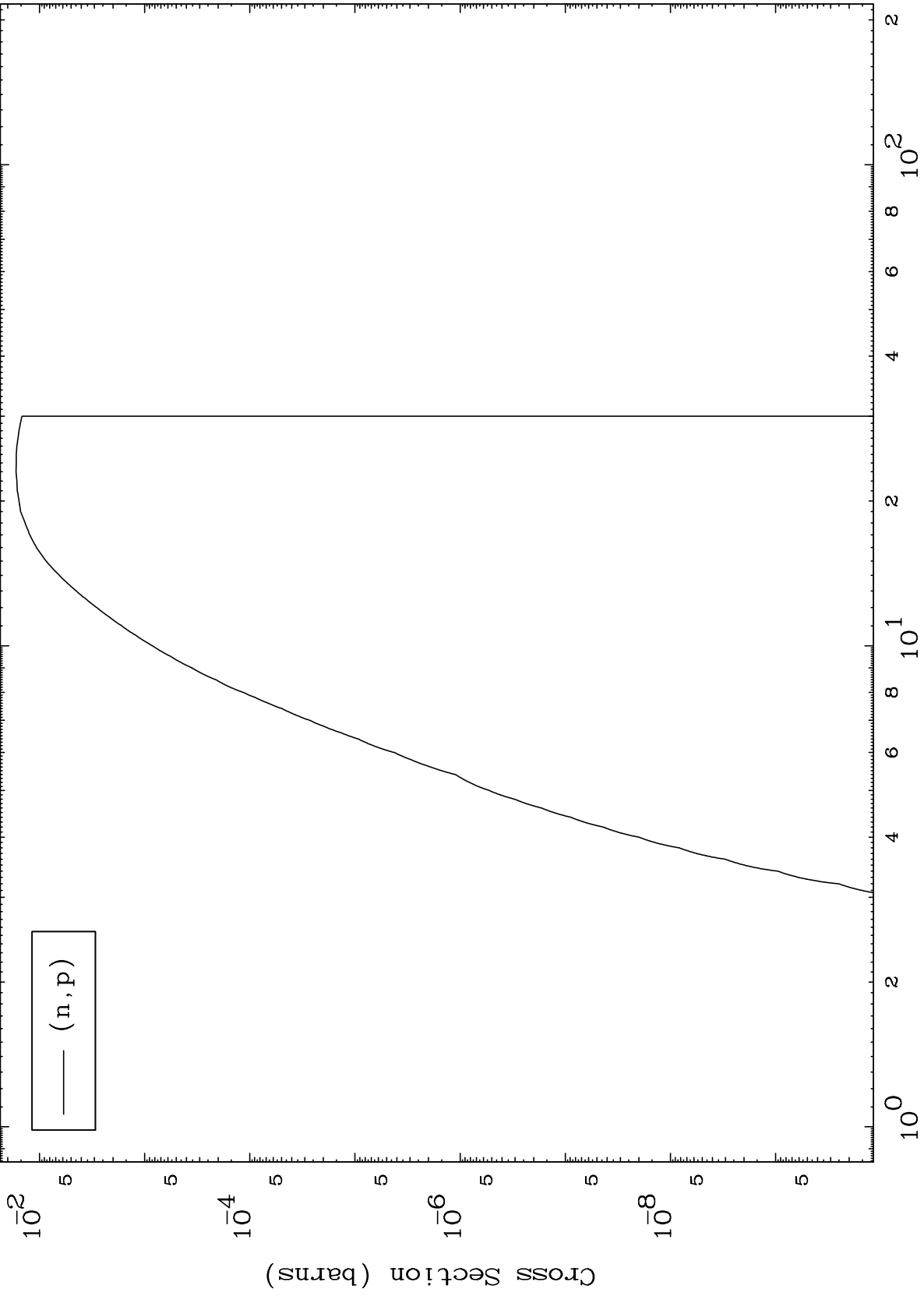
61-Pm-149



MAT 6155

(n,p) Levels
293 Kelvin Cross Sections

61-Pm-149



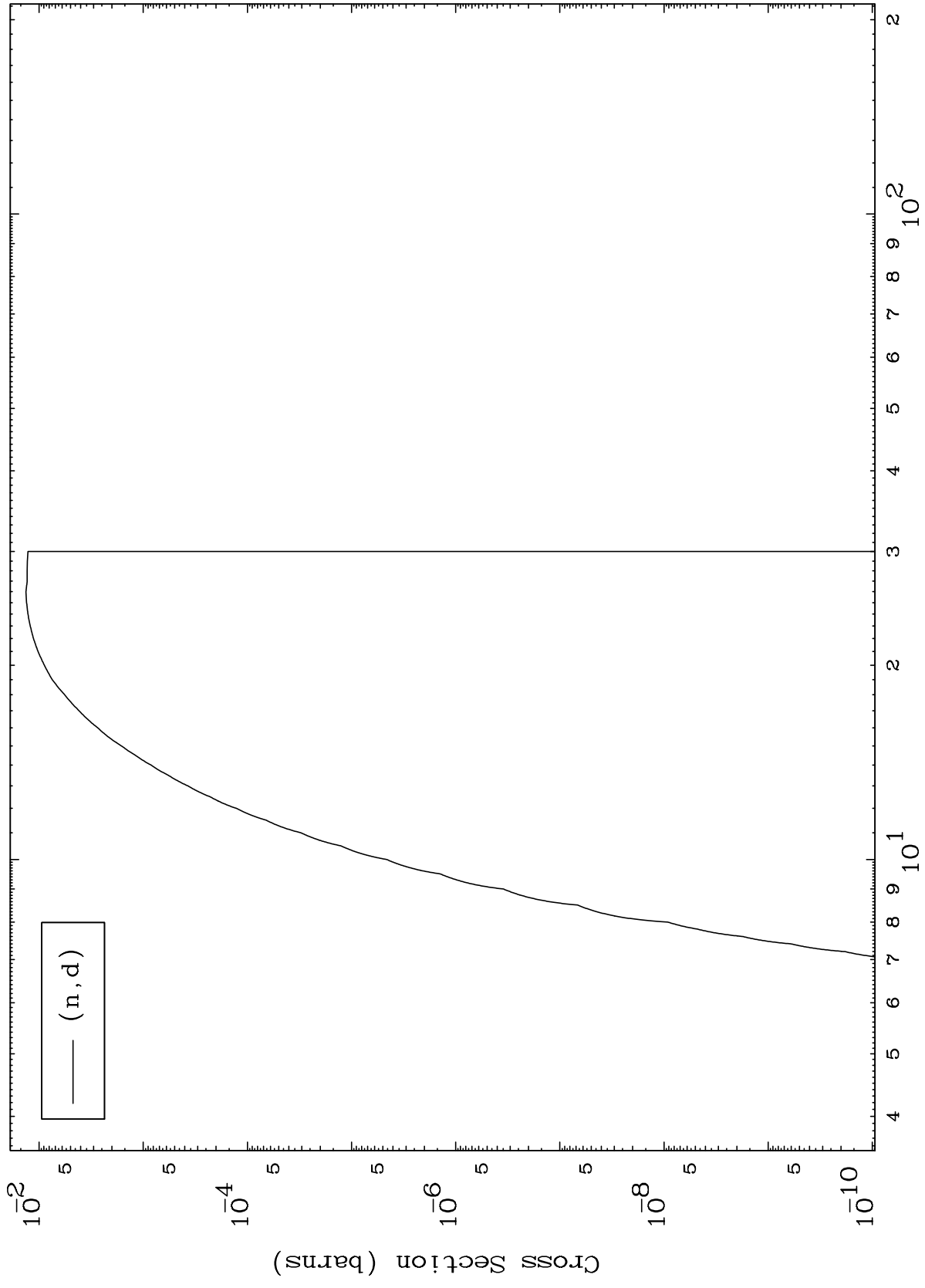
Incident Energy (MeV)

61-Pm-149

MAT 6155

(n,d) Levels
293 Kelvin Cross Sections

61-Pm-149



11

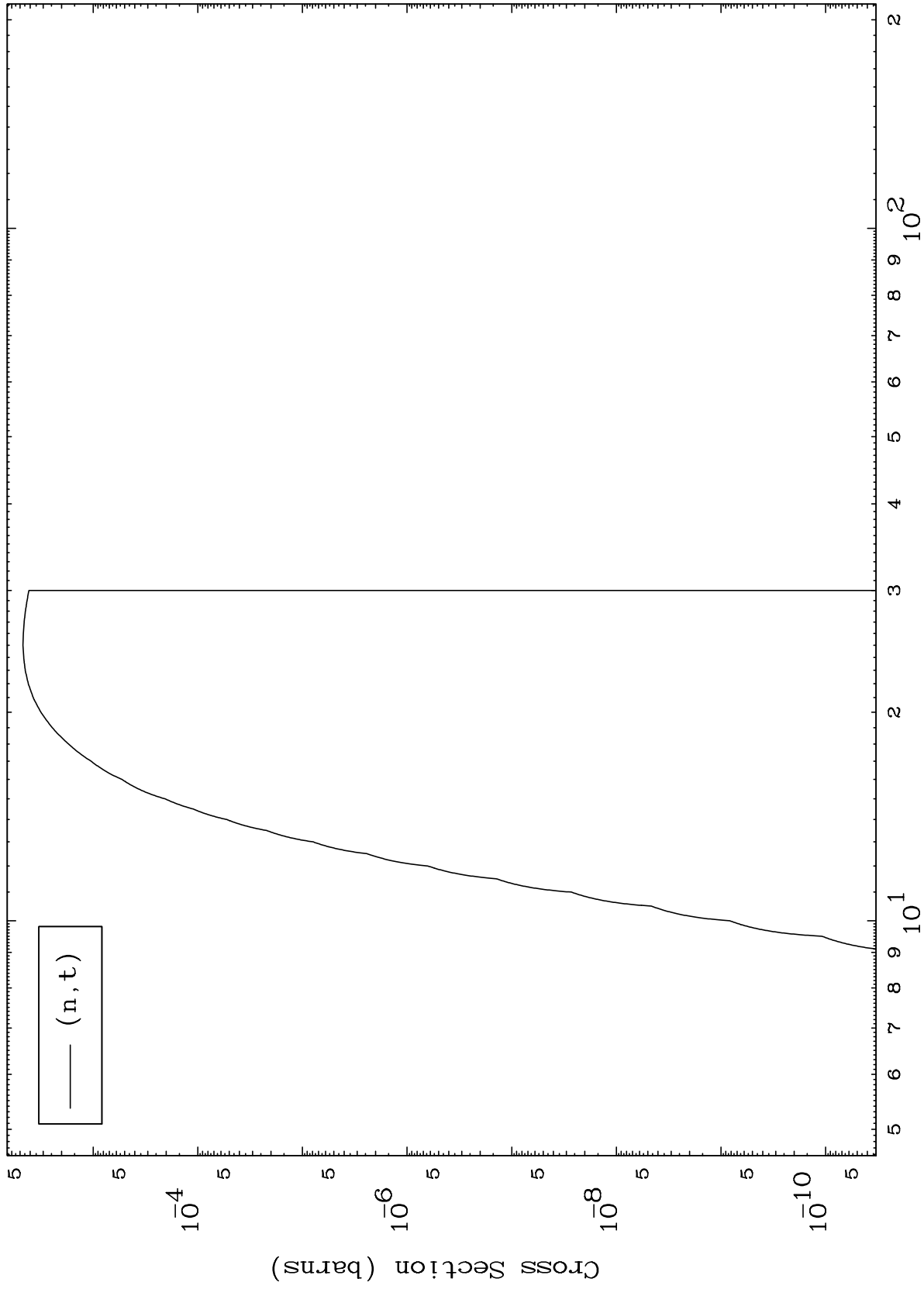
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61-Pm-149

MAT 6155

(n,t) Levels
293 Kelvin Cross Sections

61-Pm-149



12

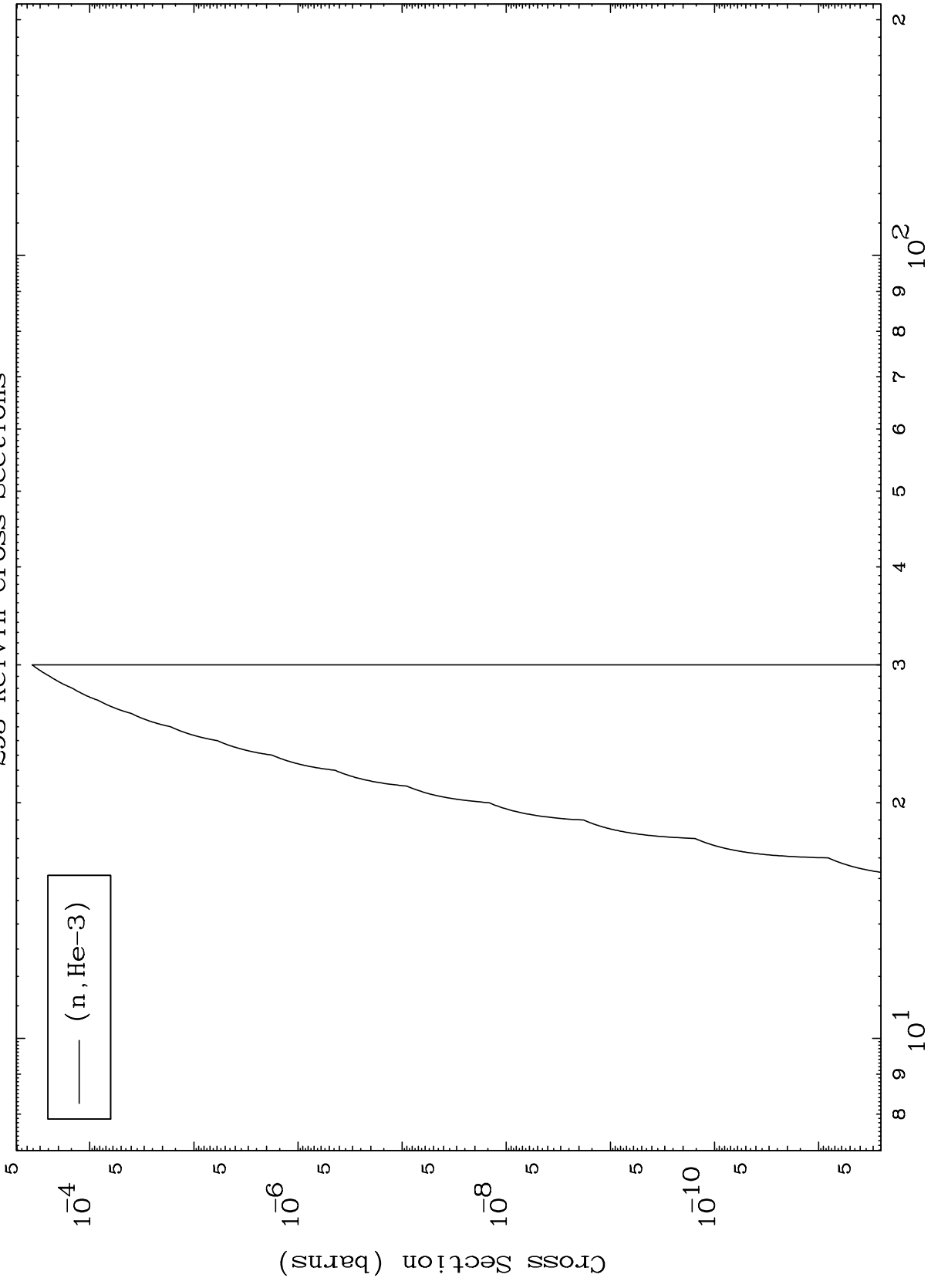
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61-Pm-149

MAT 6155

(n,He3) Levels
293 Kelvin Cross Sections

61-Pm-149



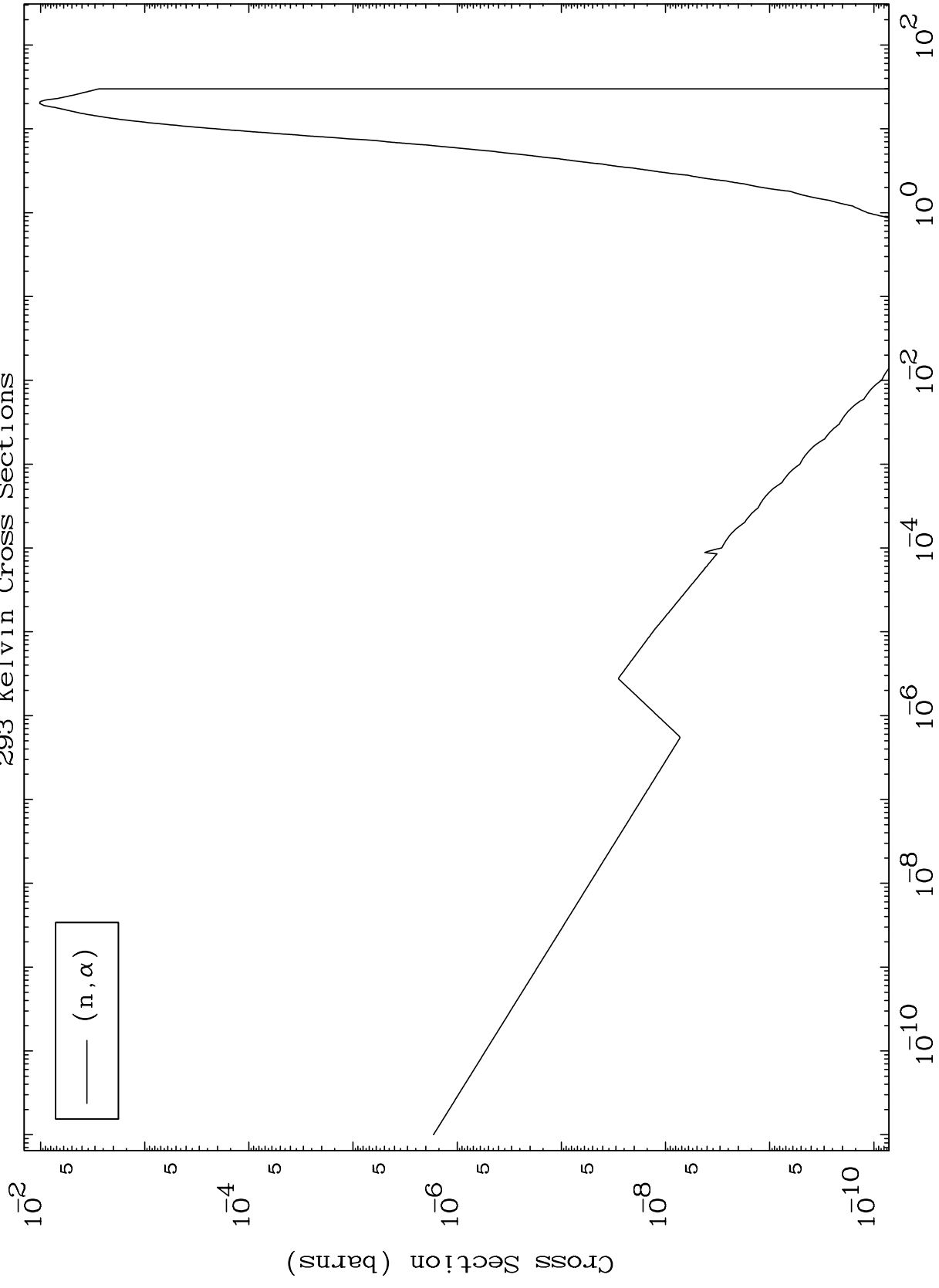
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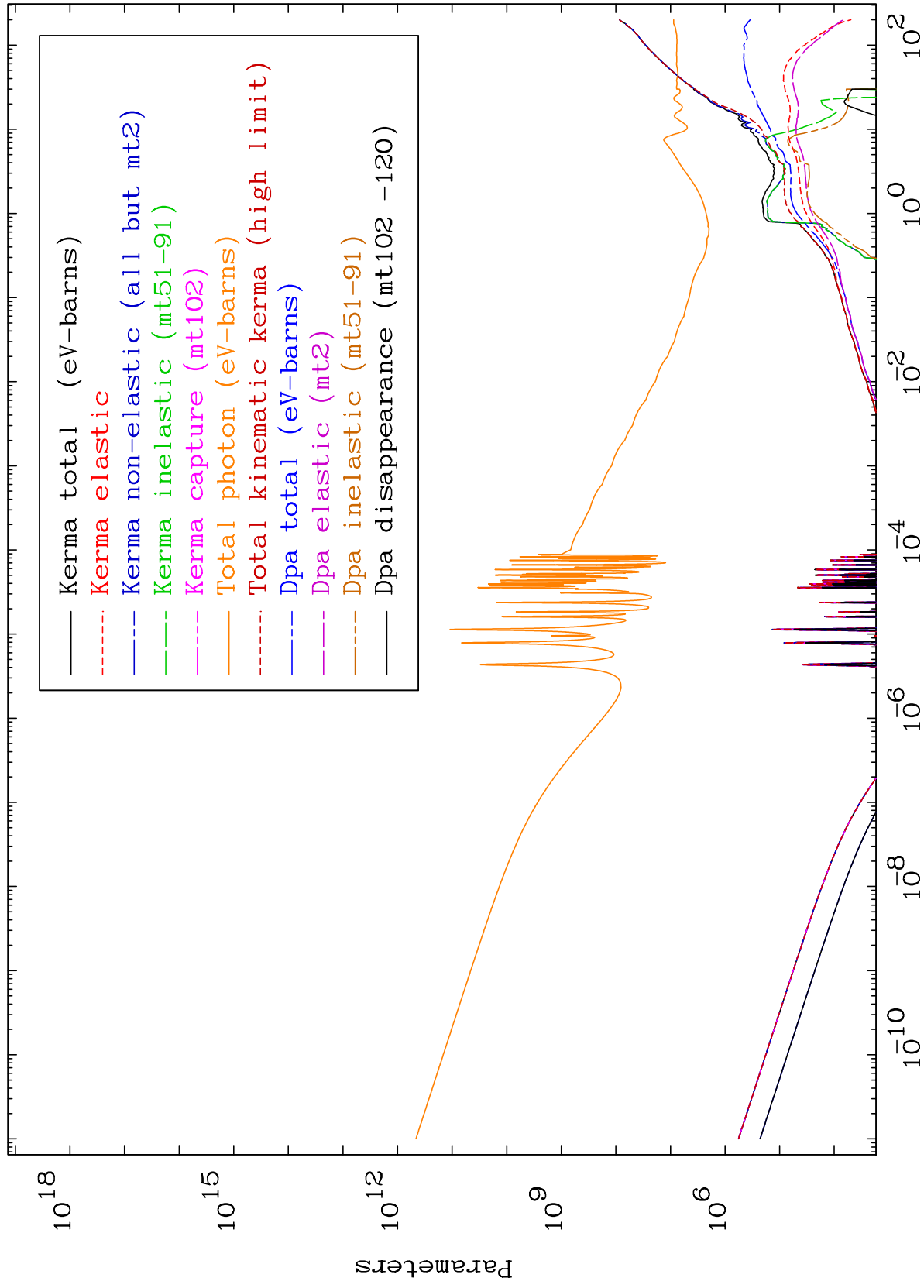
61-Pm-149

MAT 6155

(n,α) Levels
293 Kelvin Cross Sections

61-Pm-149

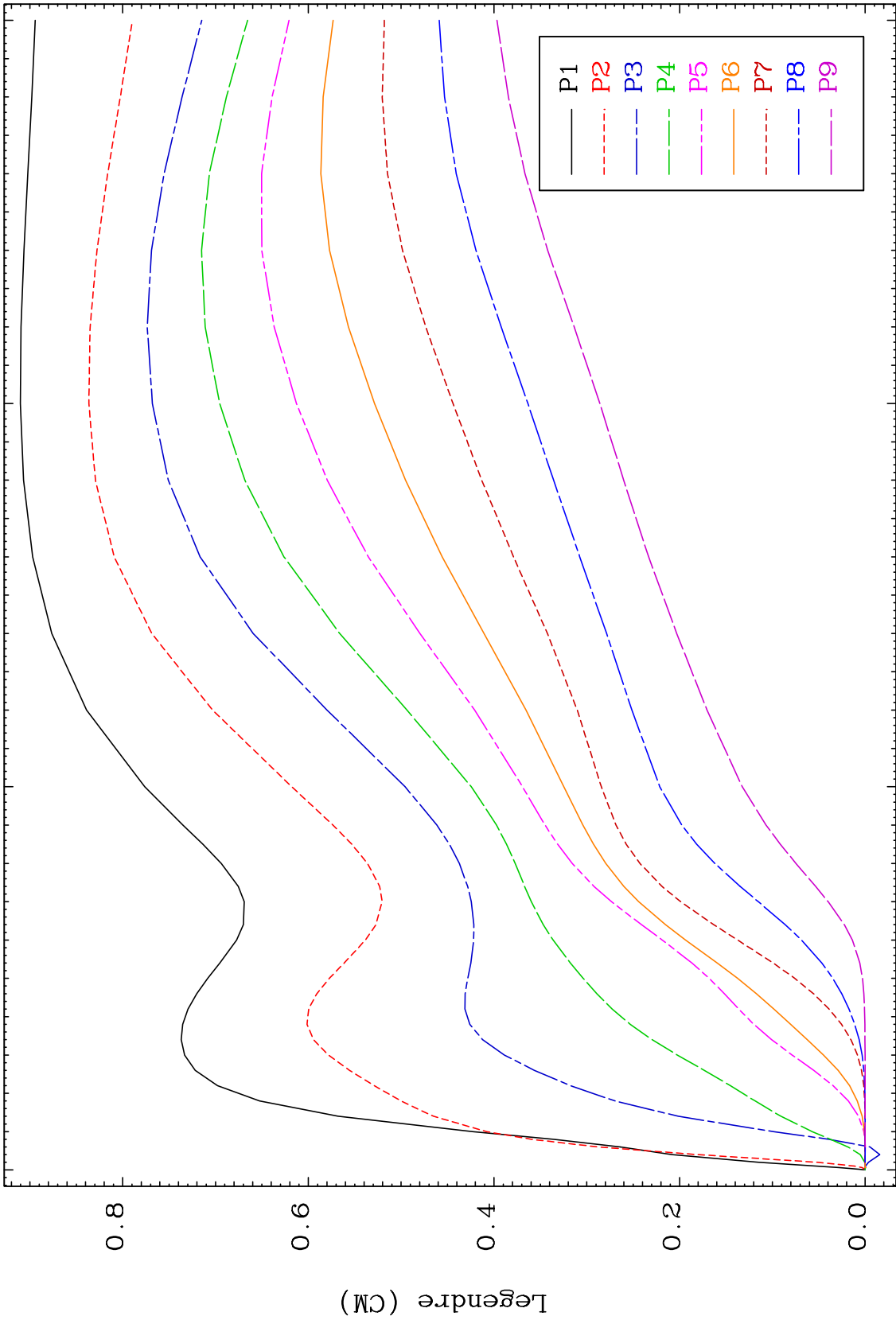




MAT 6155

Elastic Legendre Coefficients

61-Pm-149



16

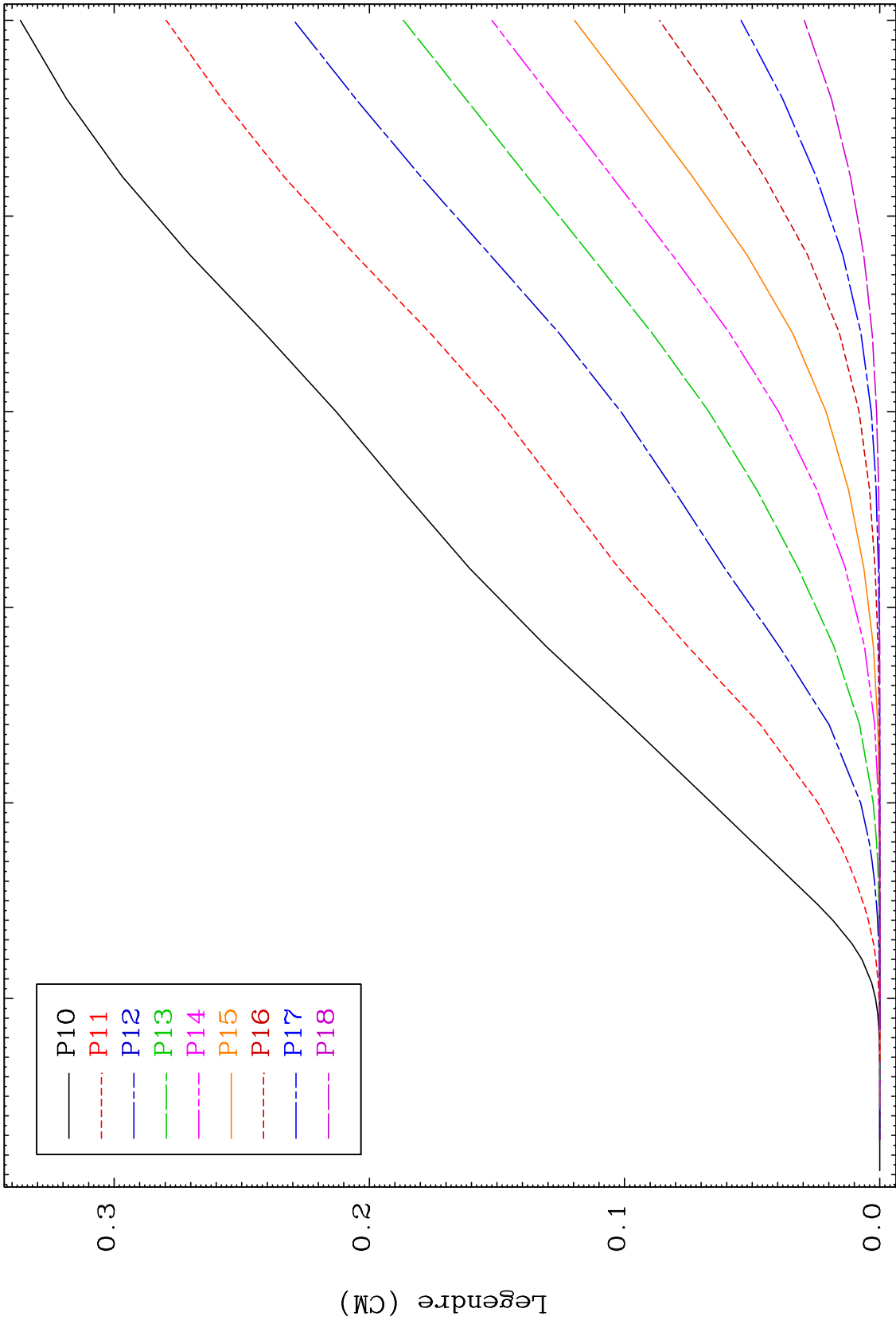
Incident Energy (MeV)

61-Pm-149

MAT 6155

Elastic Legendre Coefficients

61-Pm-149



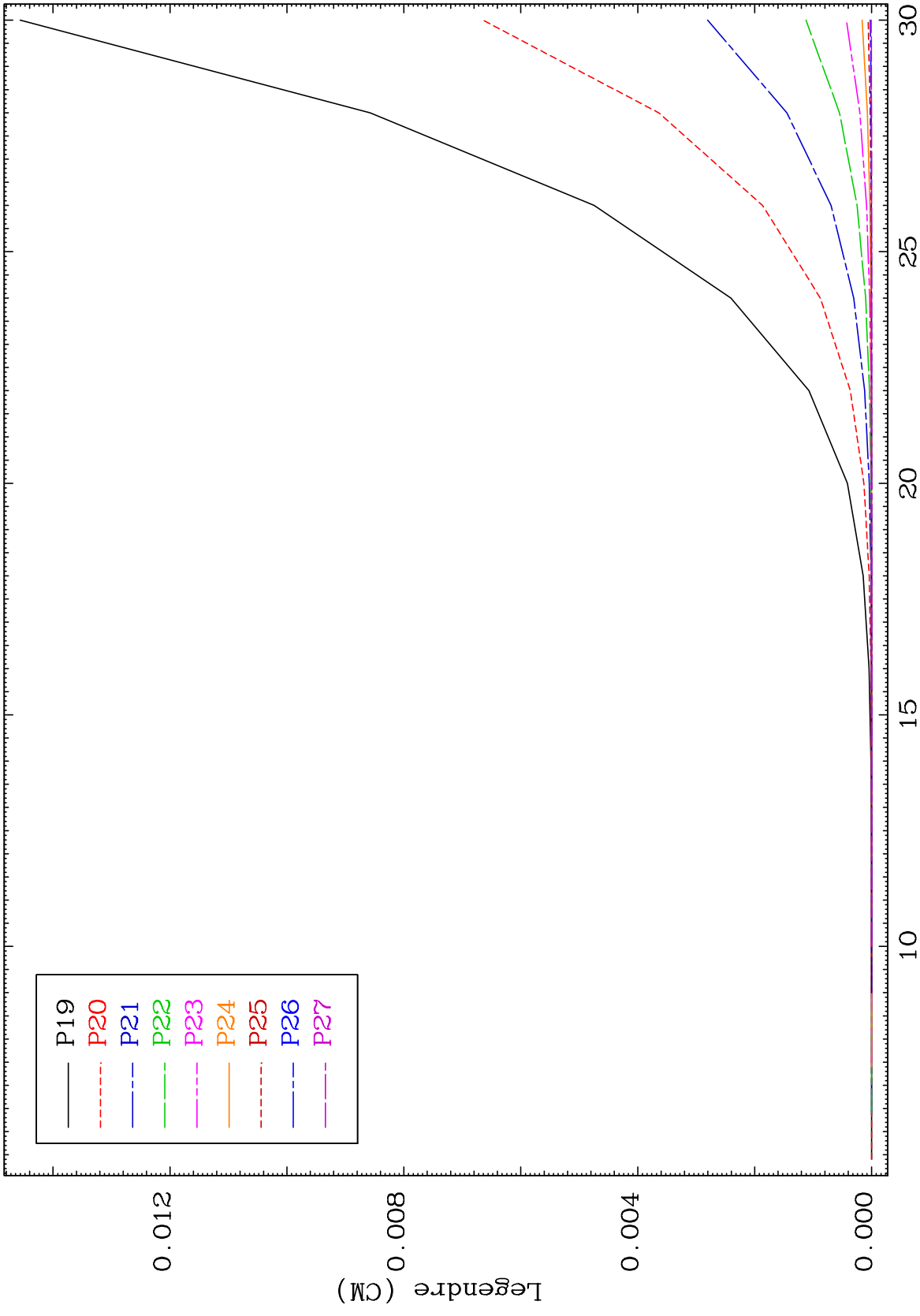
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61-Pm-149

MAT 6155

Elastic Legendre Coefficients

61-Pm-149



18

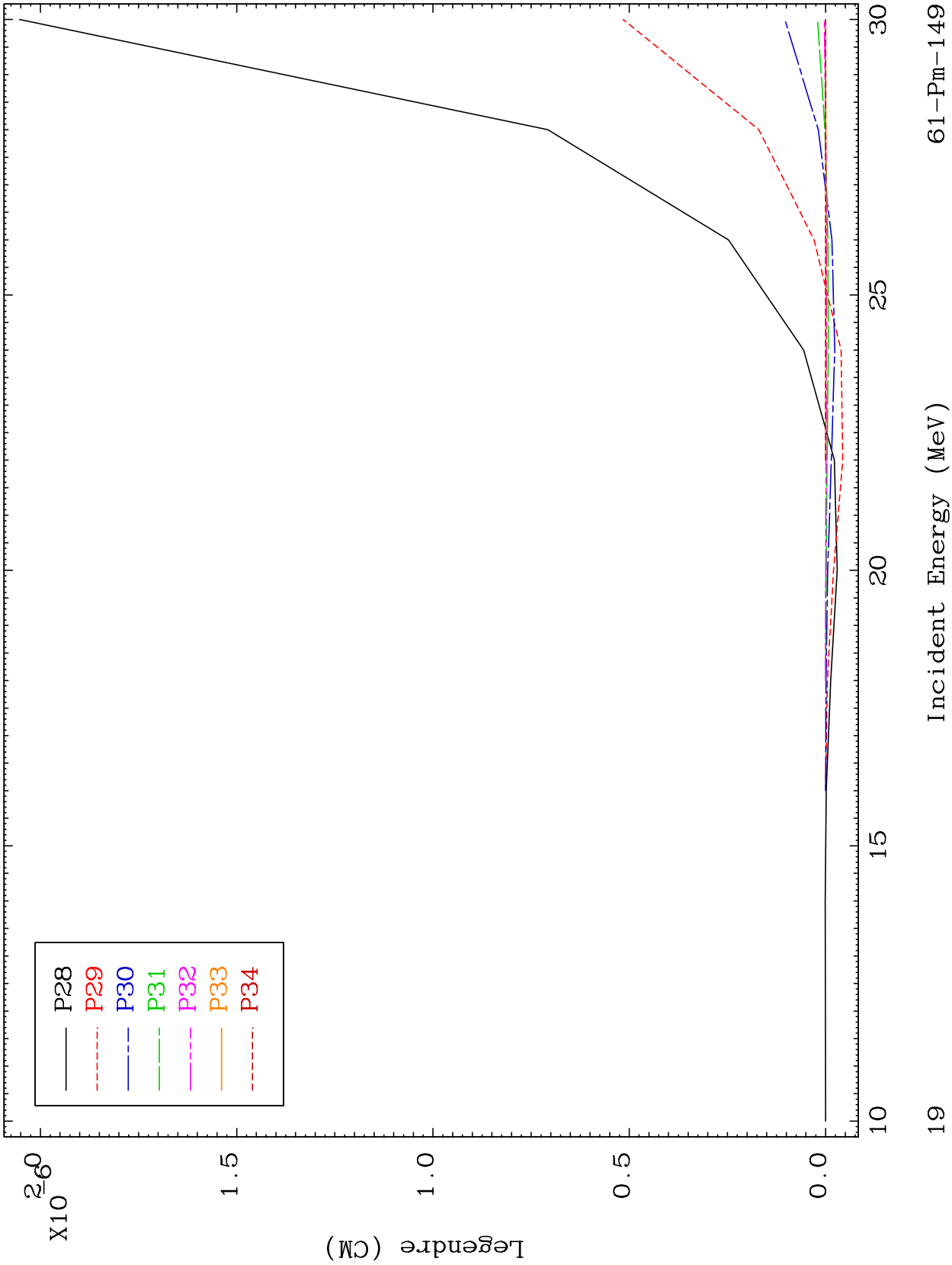
Incident Energy (MeV)

61-Pm-149

MAT 6155

Elastic Legendre Coefficients

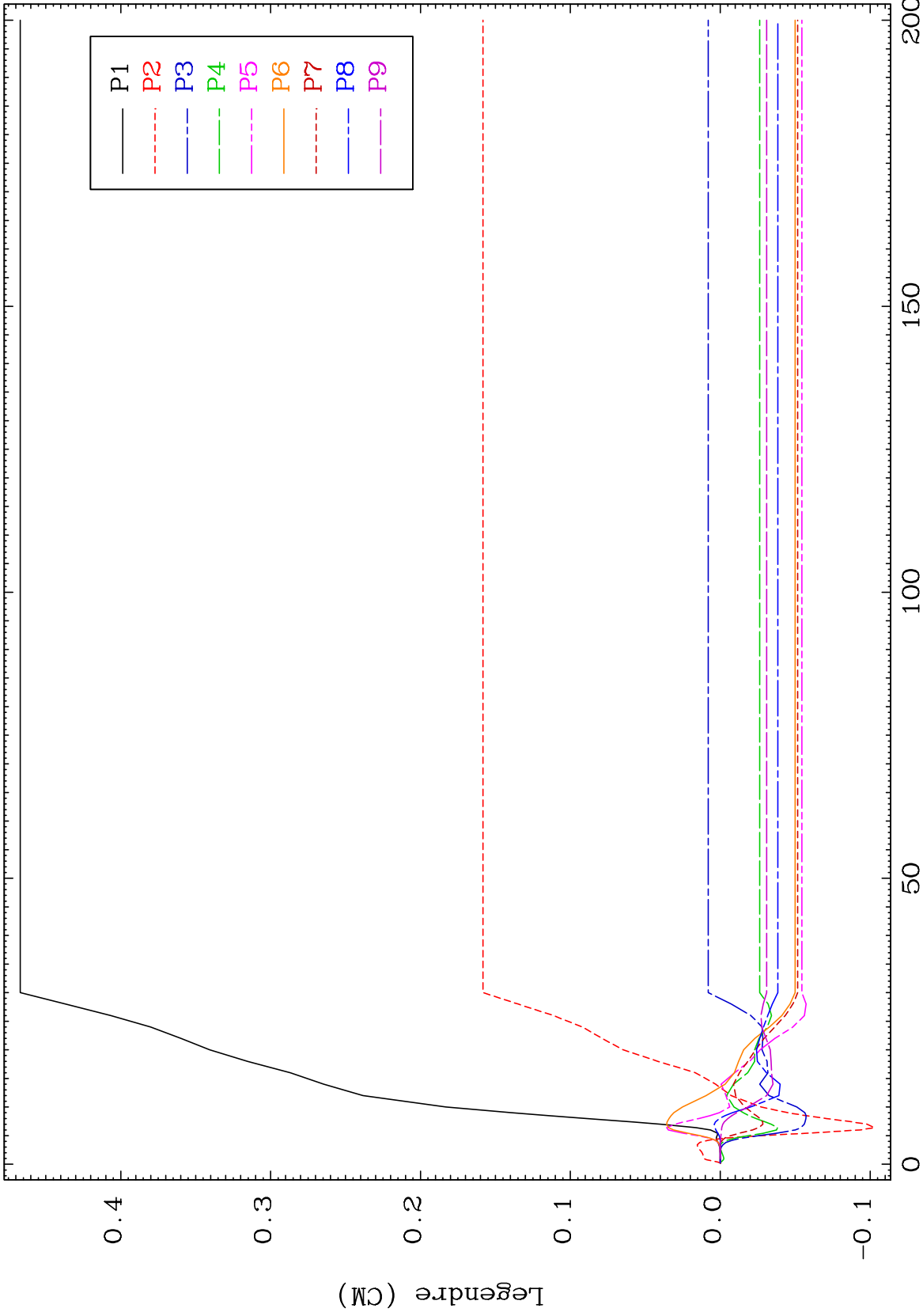
61-Pm-149



MAT 6155

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

61-Pm-149



61-Pm-149

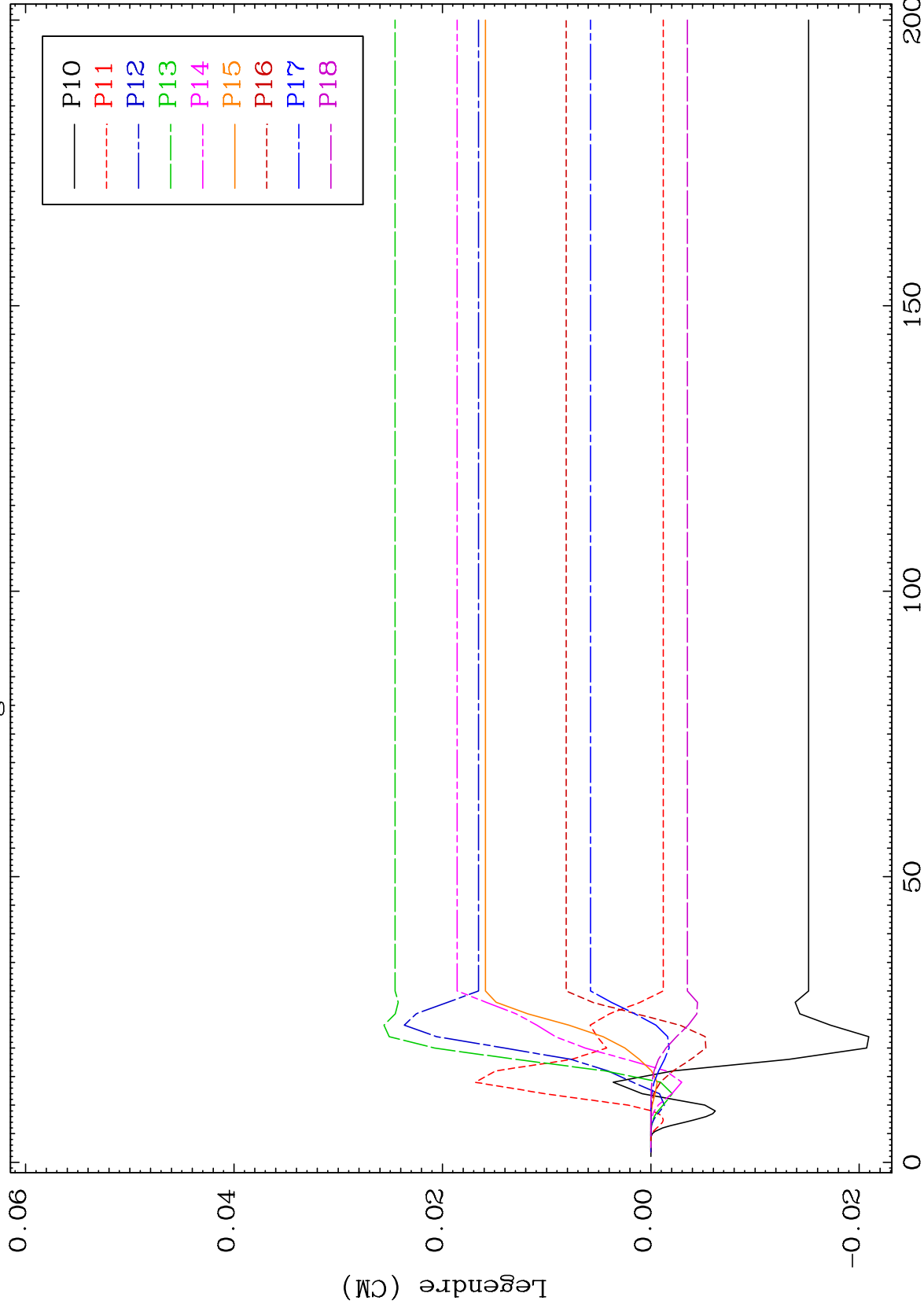
Incident Energy (MeV)

Legendre (CM)

MAT 6155

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

61-Pm-149



21

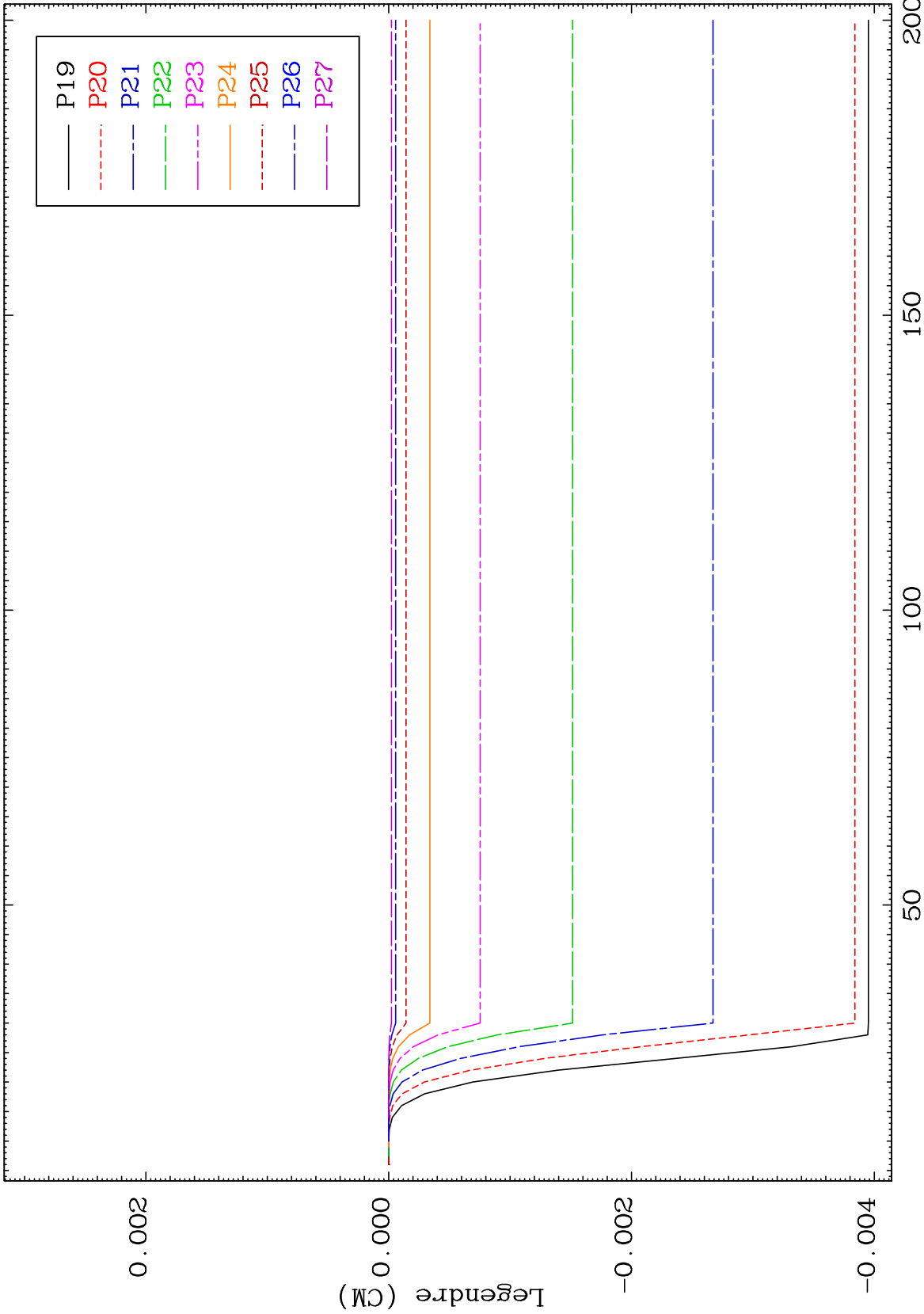
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



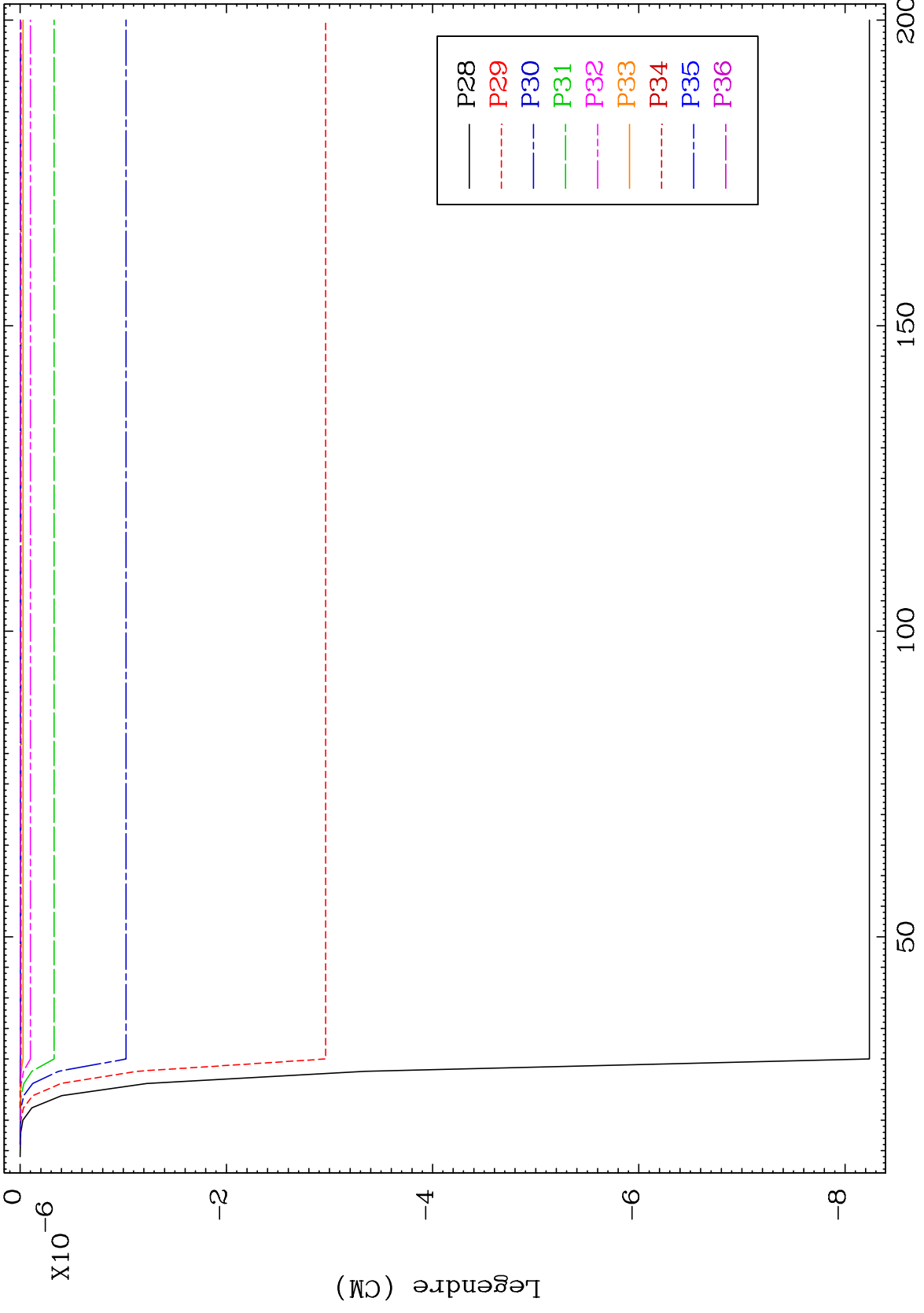
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Incident Energy (MeV)

61-Pm-149

MAT 6155 MT= 51 (n,n') Level 61-Pm-149

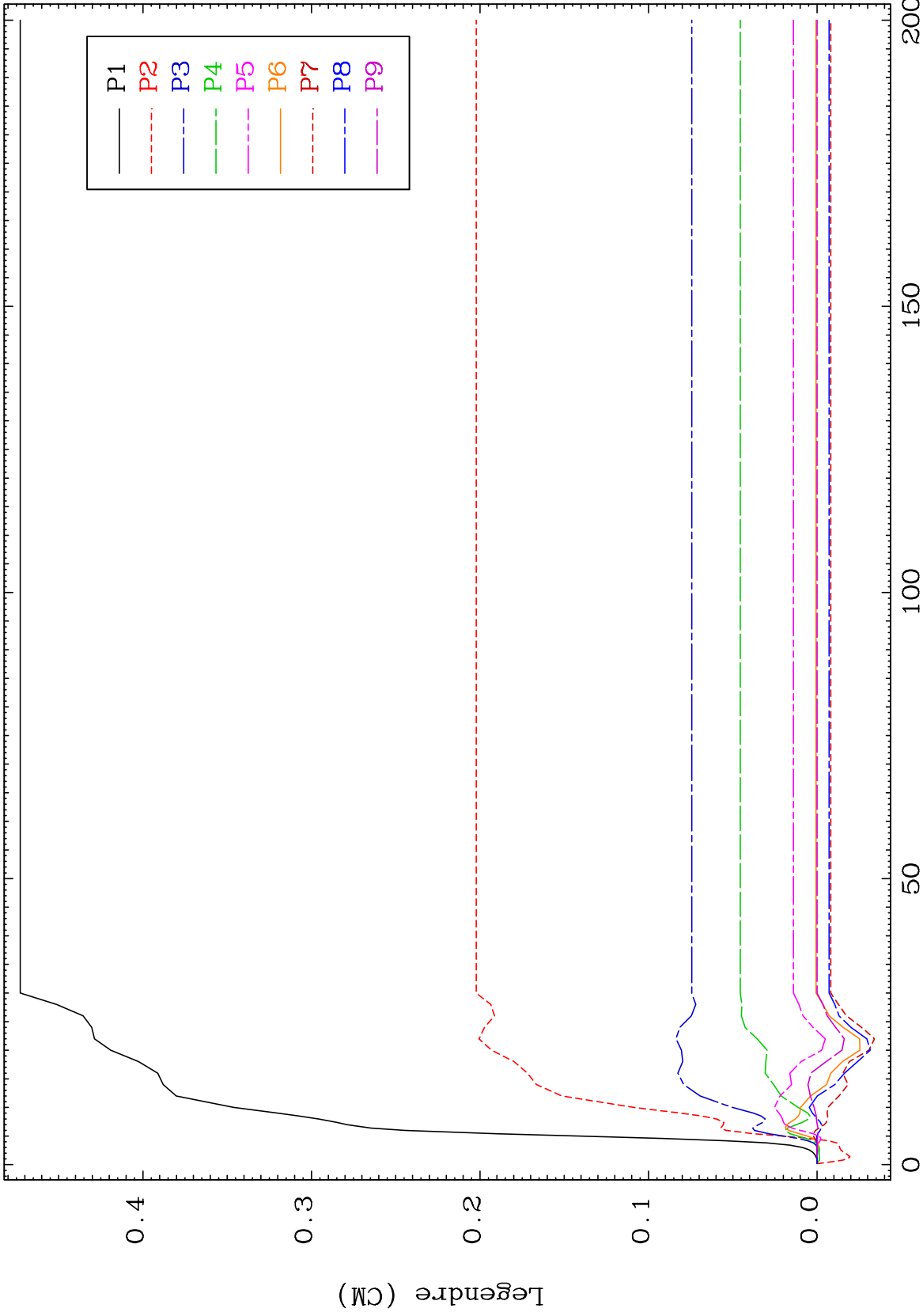
Legendre Coefficients



MAT 6155

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

61-Pm-149



24

Incident Energy (MeV)

61-Pm-149

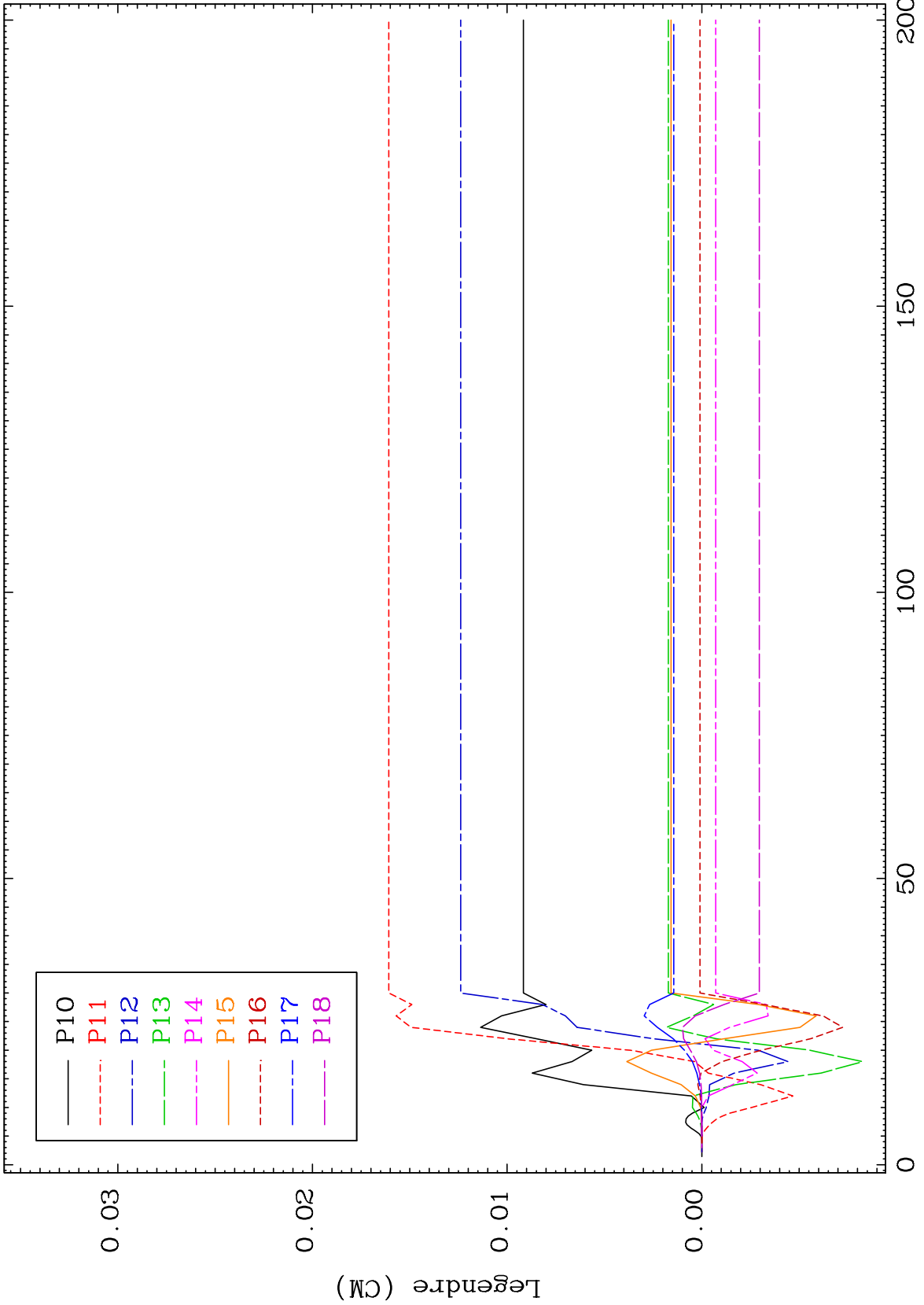
MAT 6155 MT= 52 (n,n') Level Legendre Coefficients

61-Pm-149

61-Pm-149

Incident Energy (MeV)

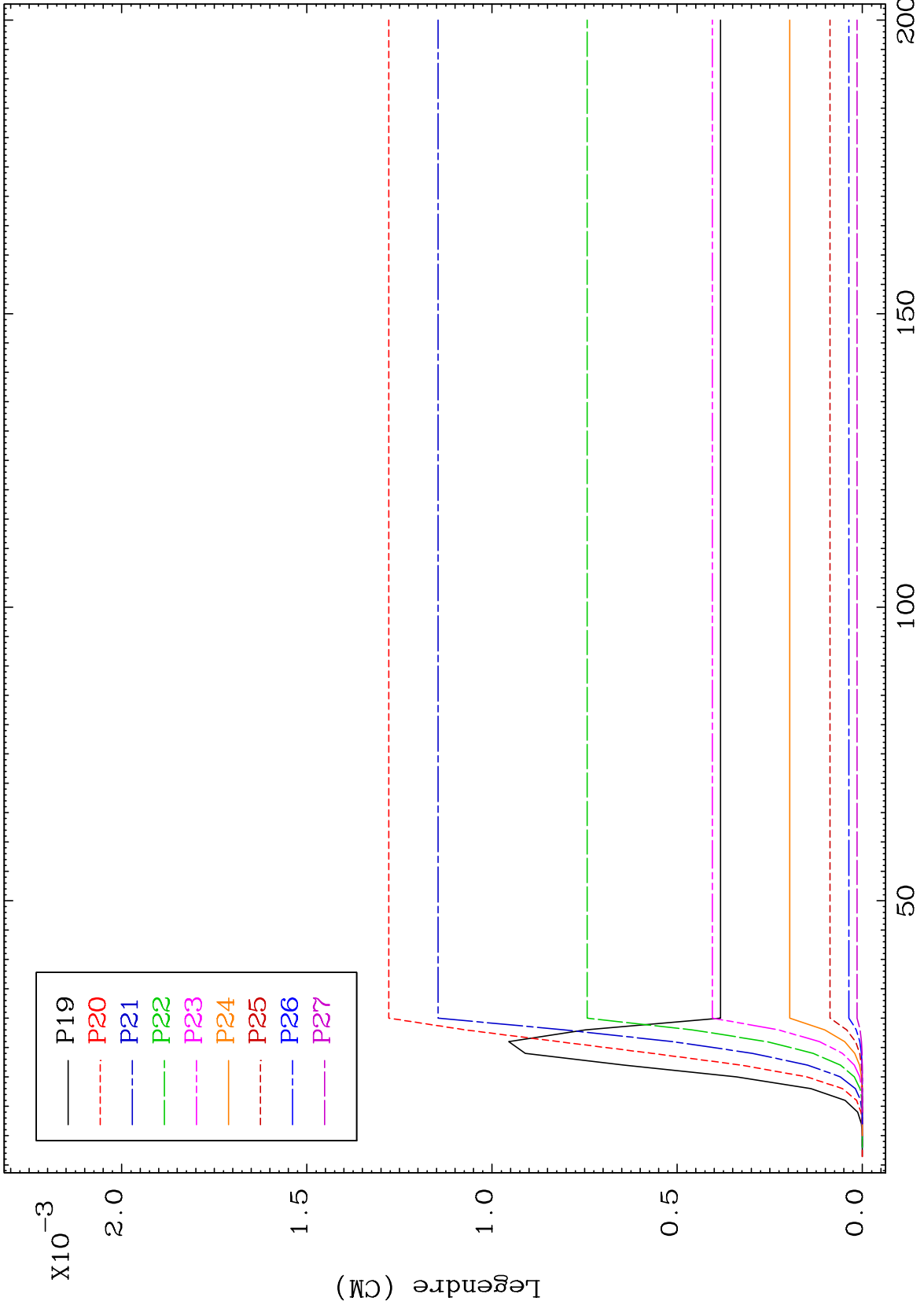
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MAT 6155

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

61-Pm-149



26

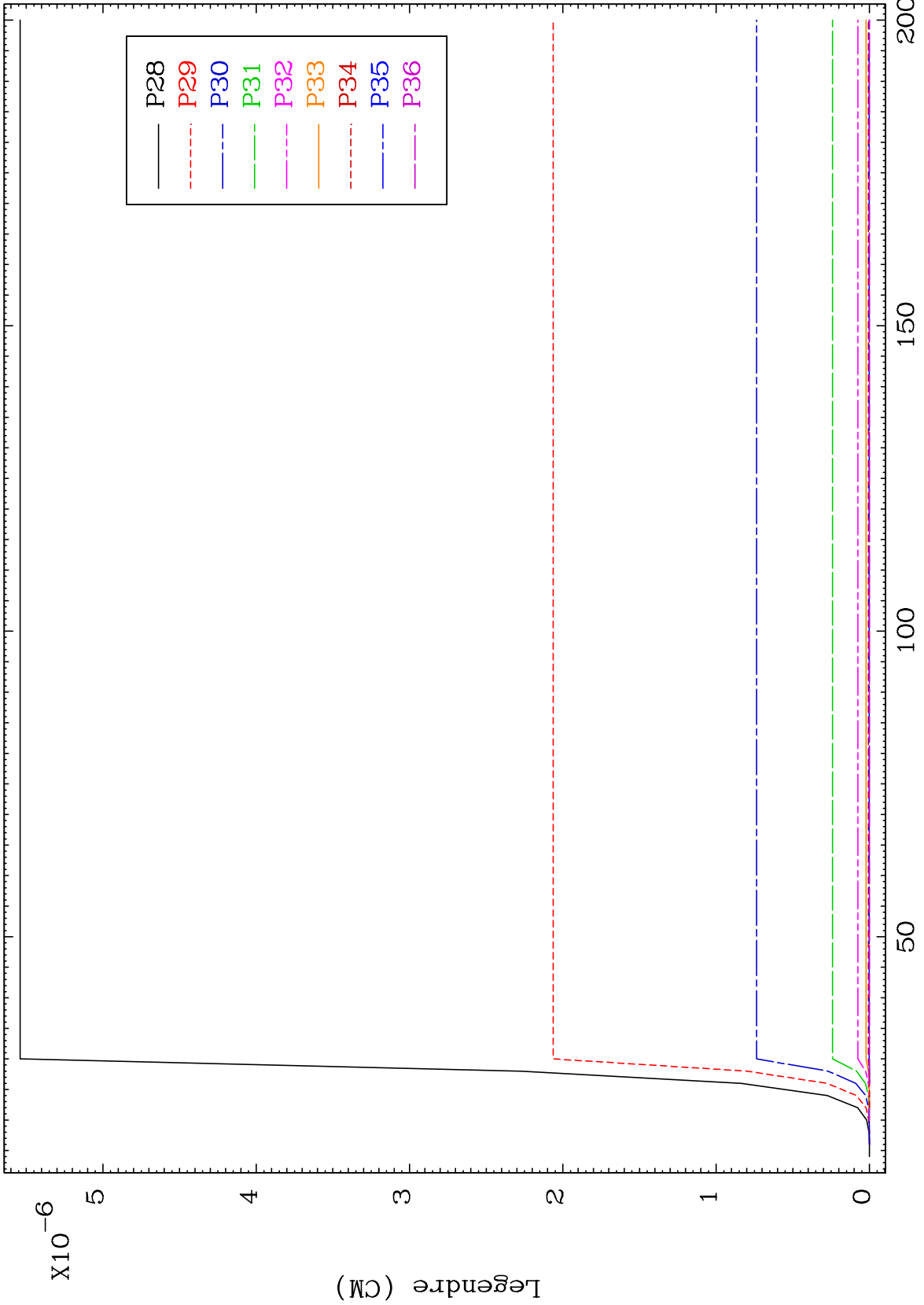
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



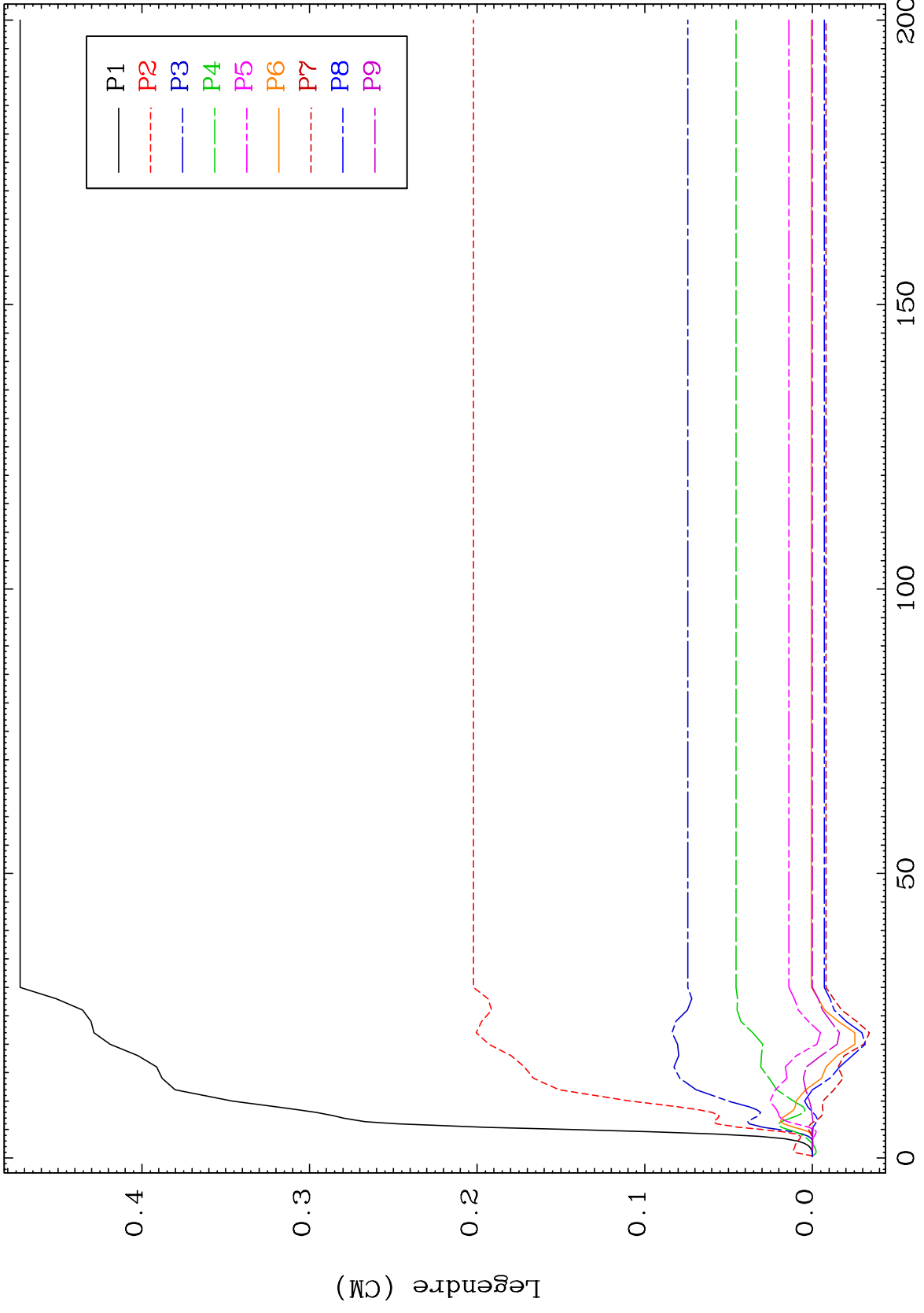
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61-Pm-149

MAT 6155

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

61-Pm-149



28

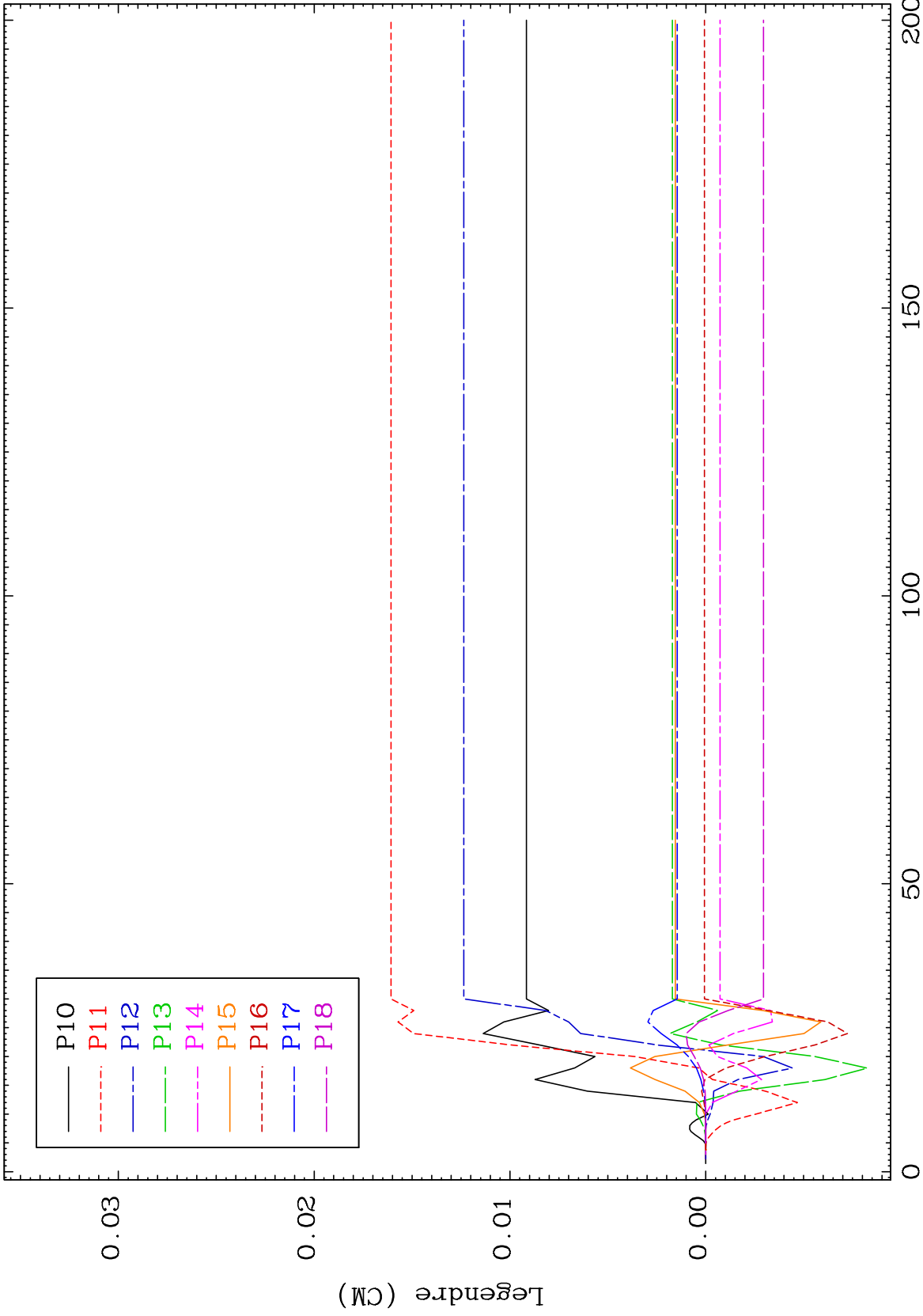
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



29

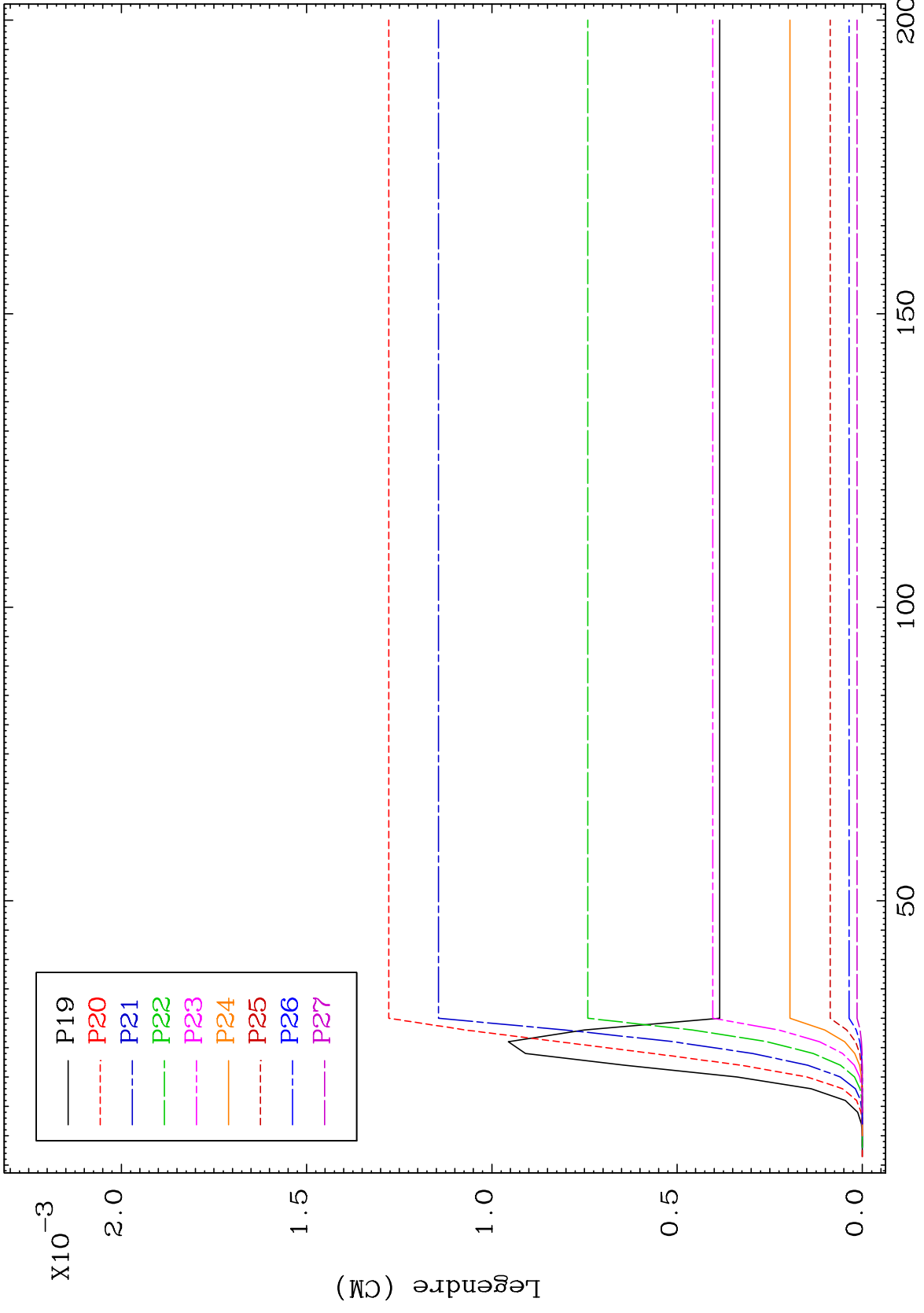
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



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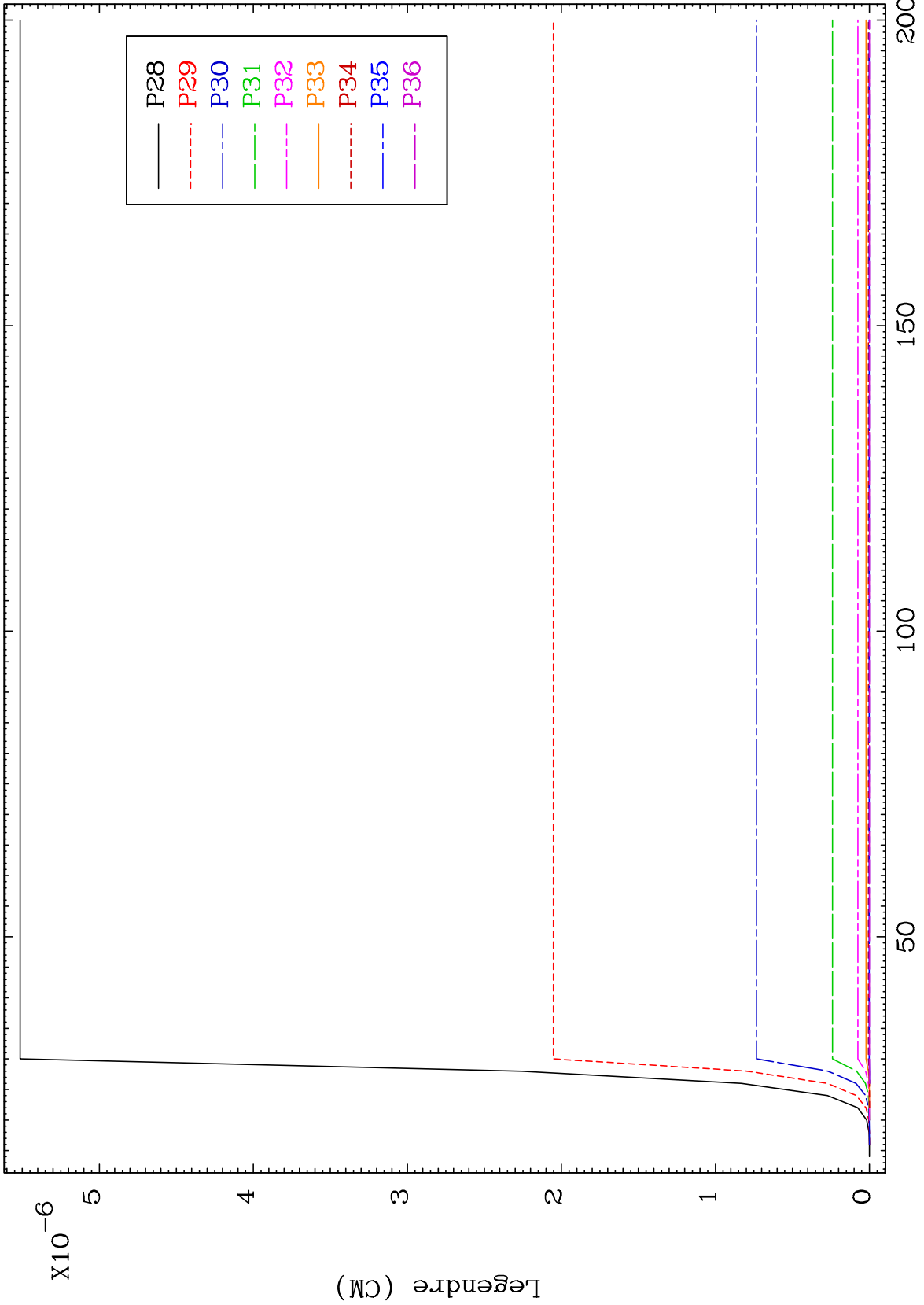
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



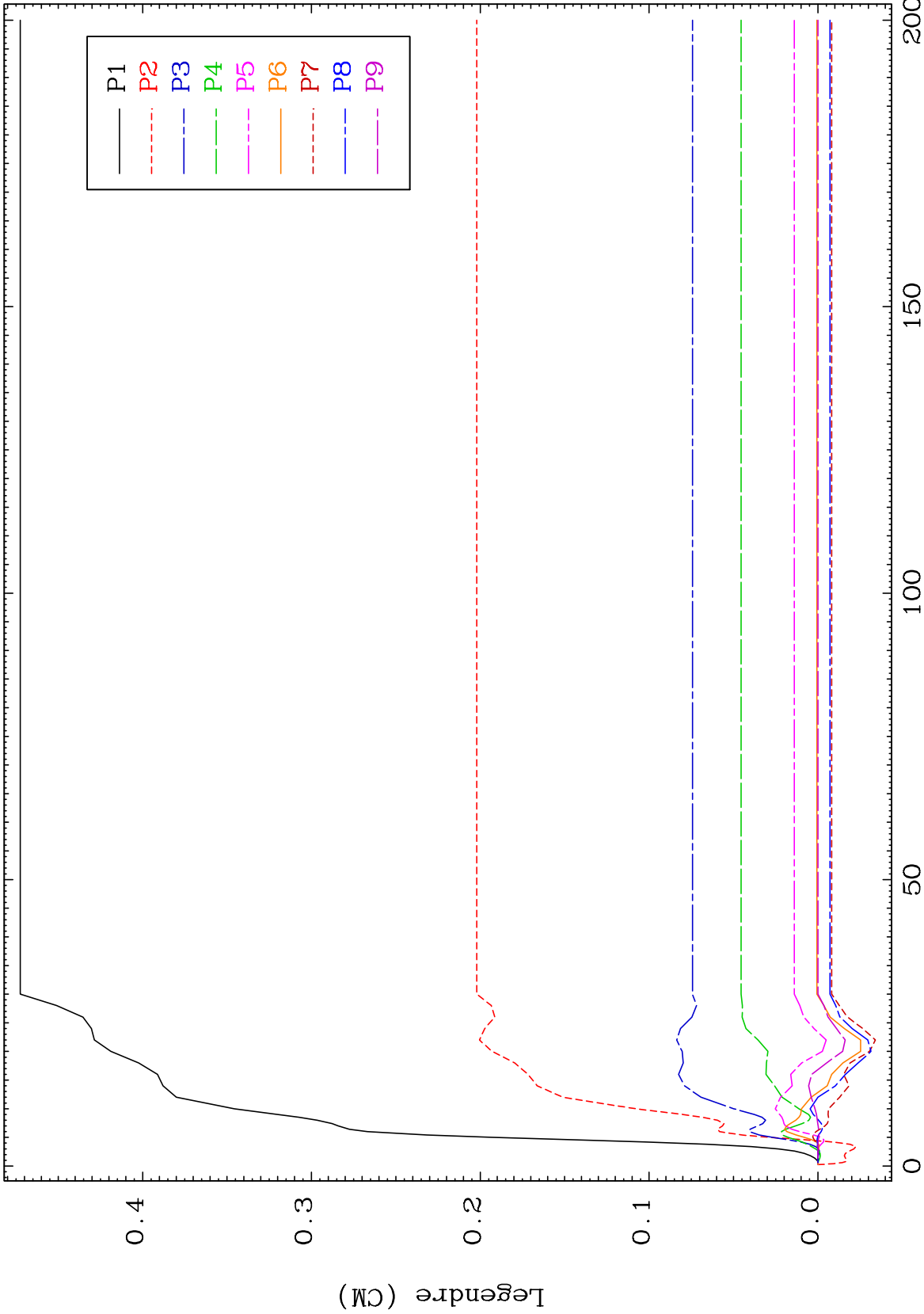
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61-Pm-149

MAT 6155

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

61-Pm-149



32

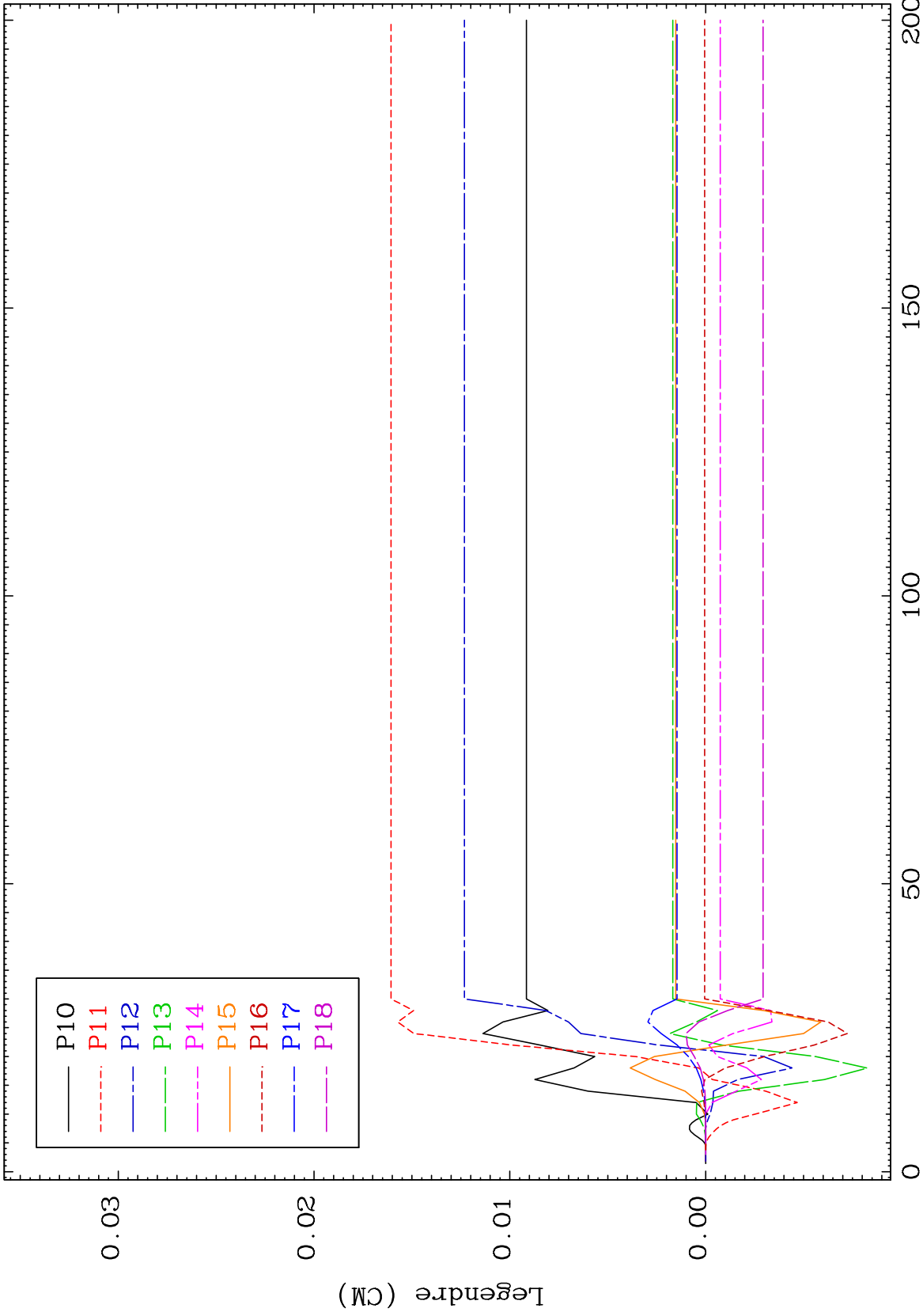
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61-Pm-149

MAT 6155

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

61-Pm-149



33

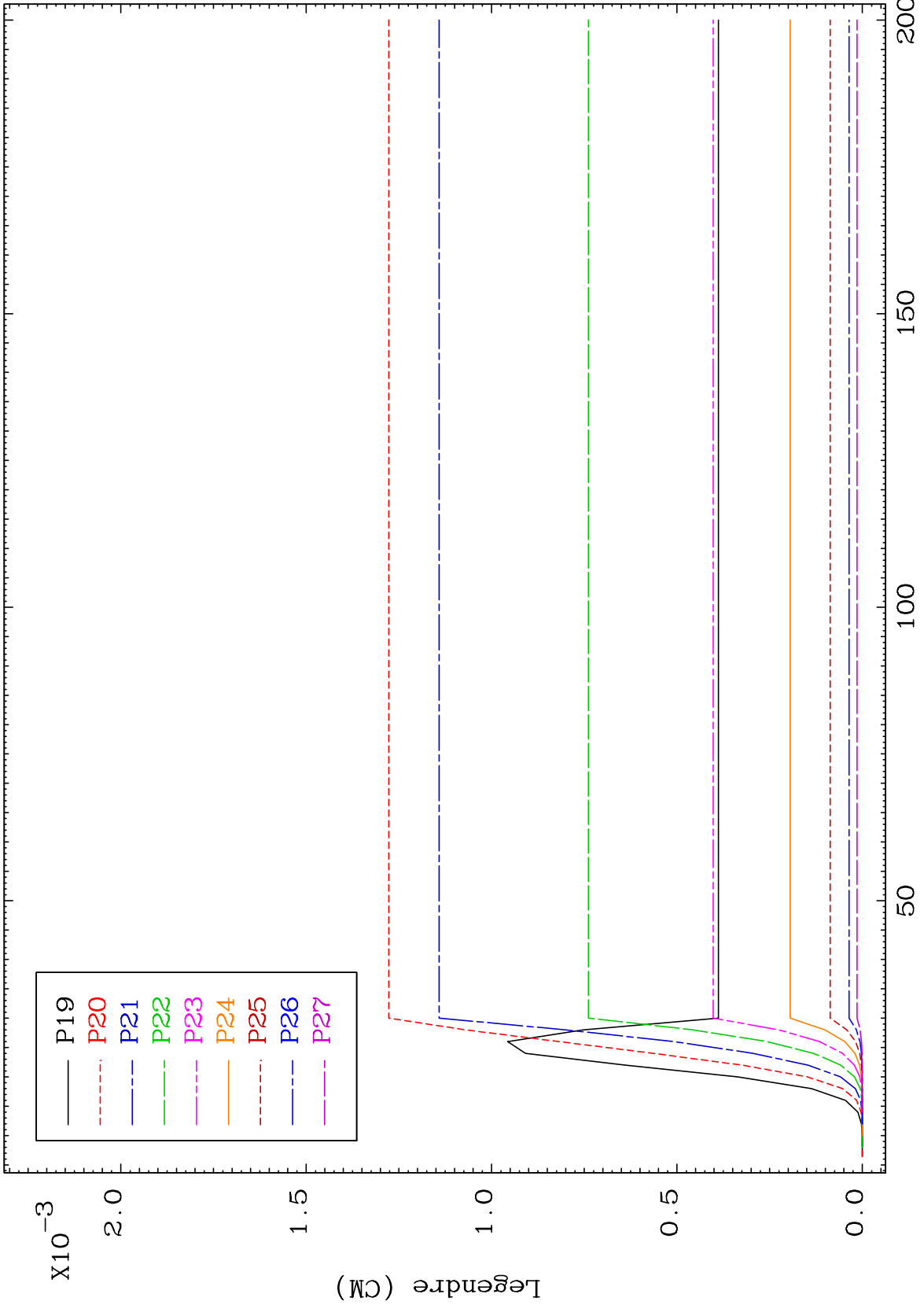
Incident Energy (MeV)

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MAT 6155

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

61-Pm-149



34

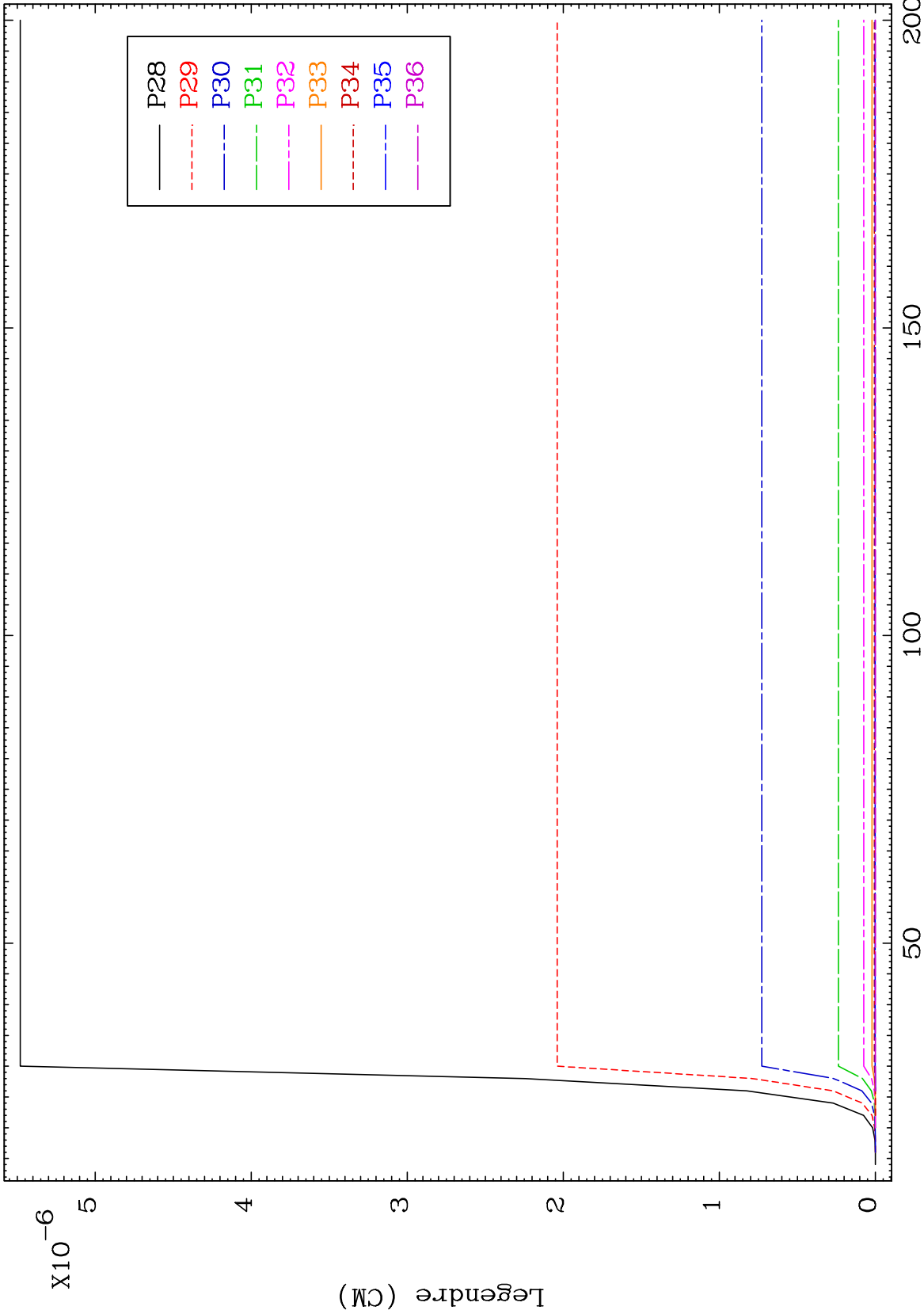
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



35

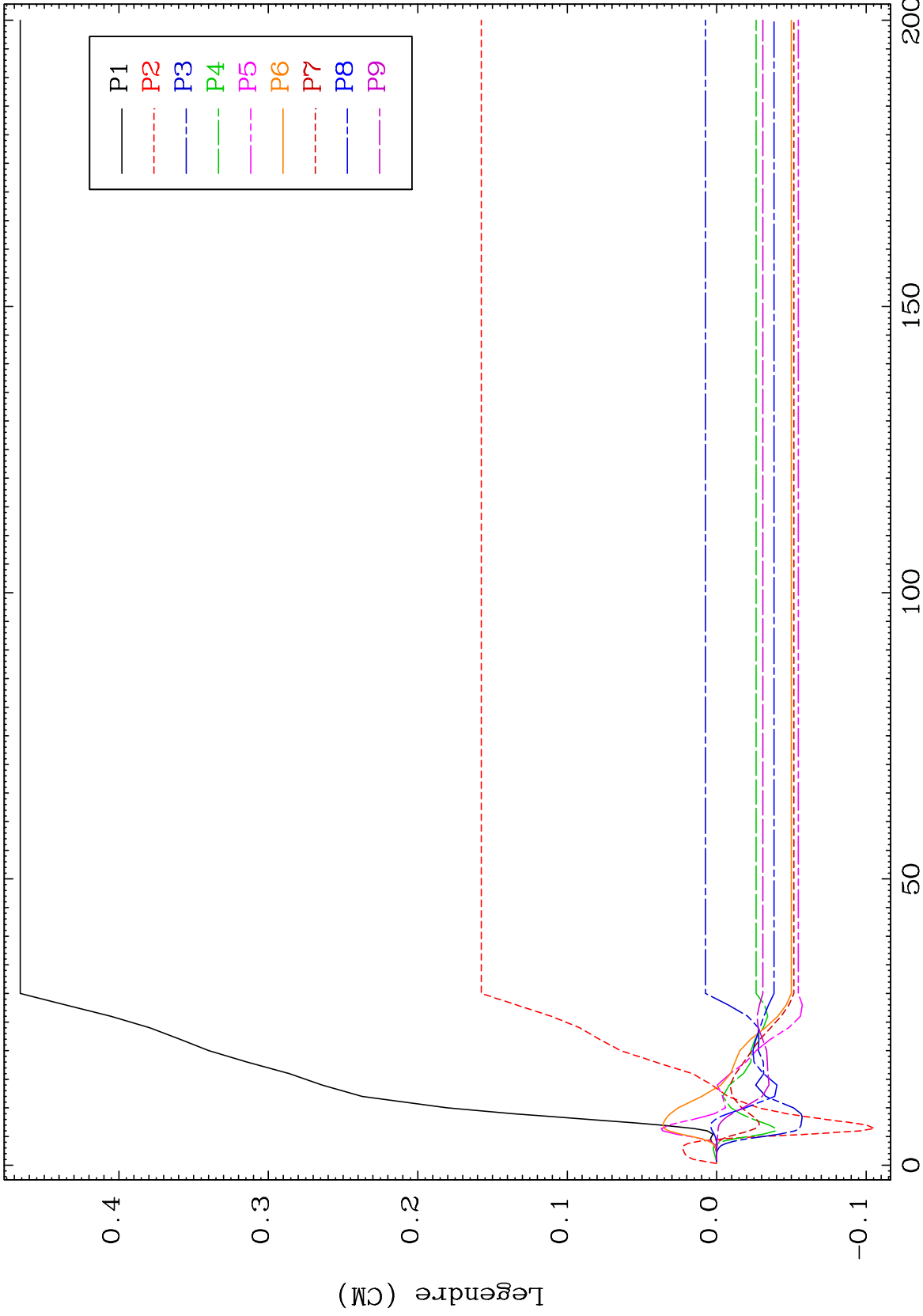
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



36

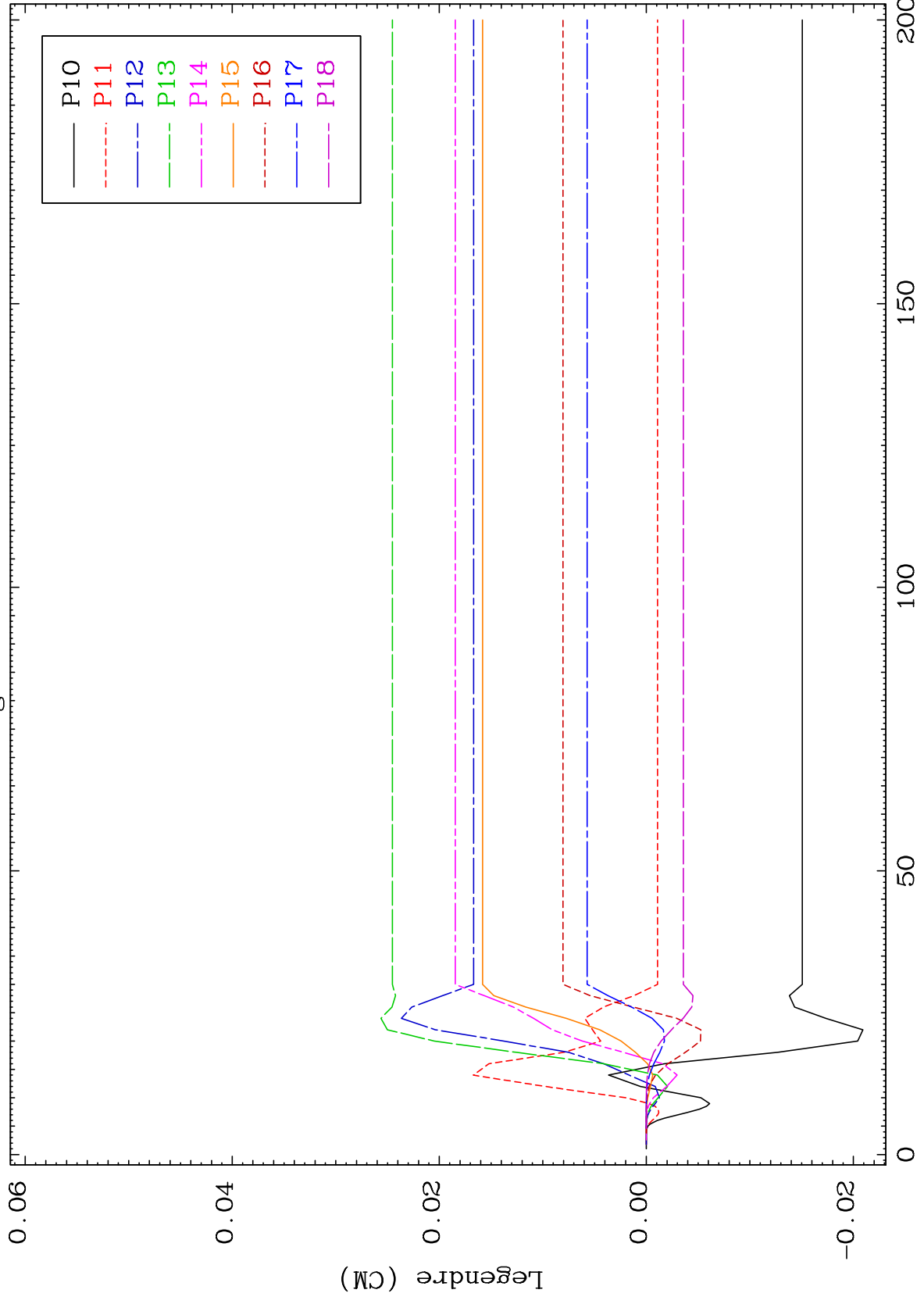
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



37

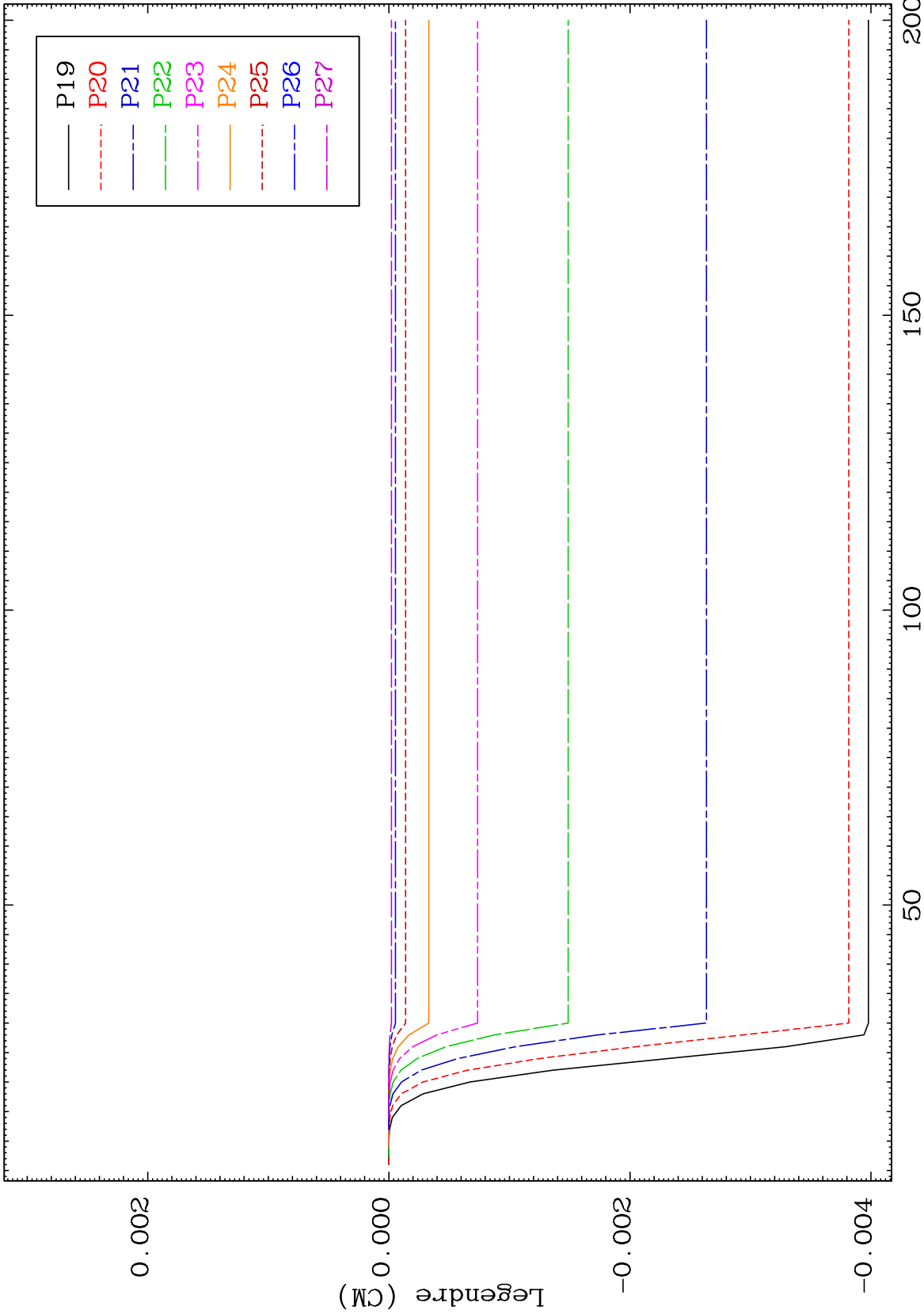
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



38

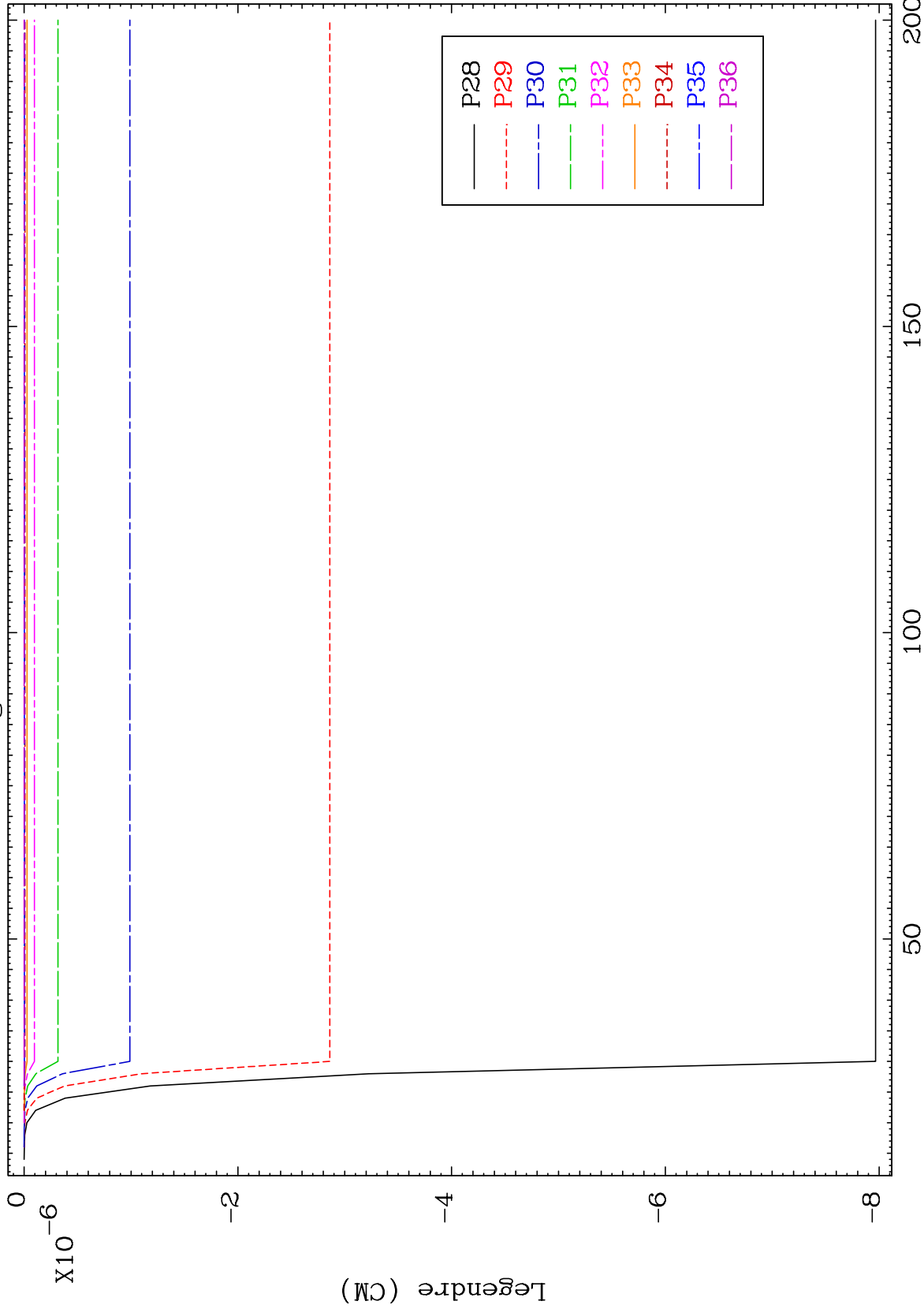
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



61-Pm-149

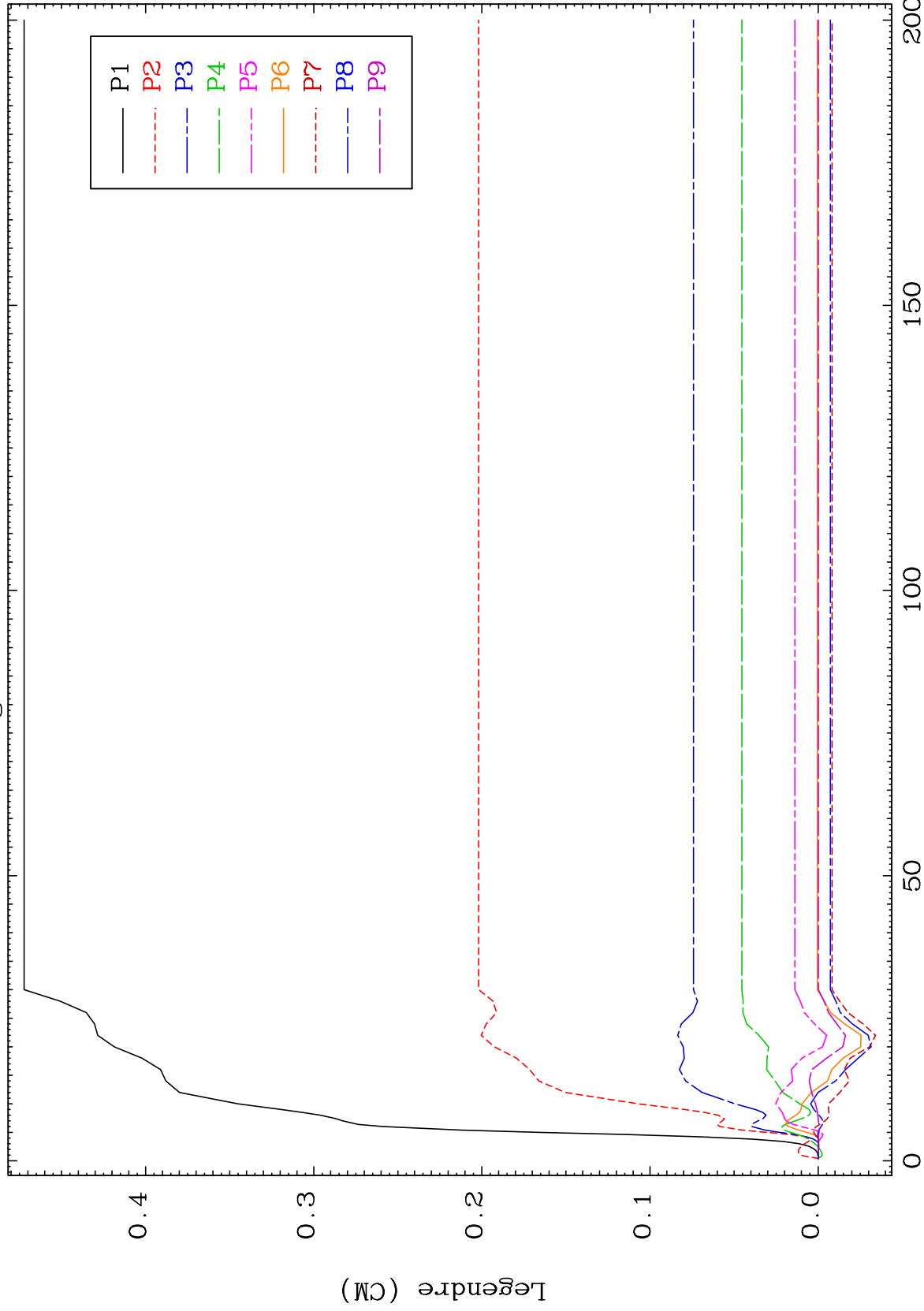
Incident Energy (MeV)

39

MAT 6155

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

61-Pm-149



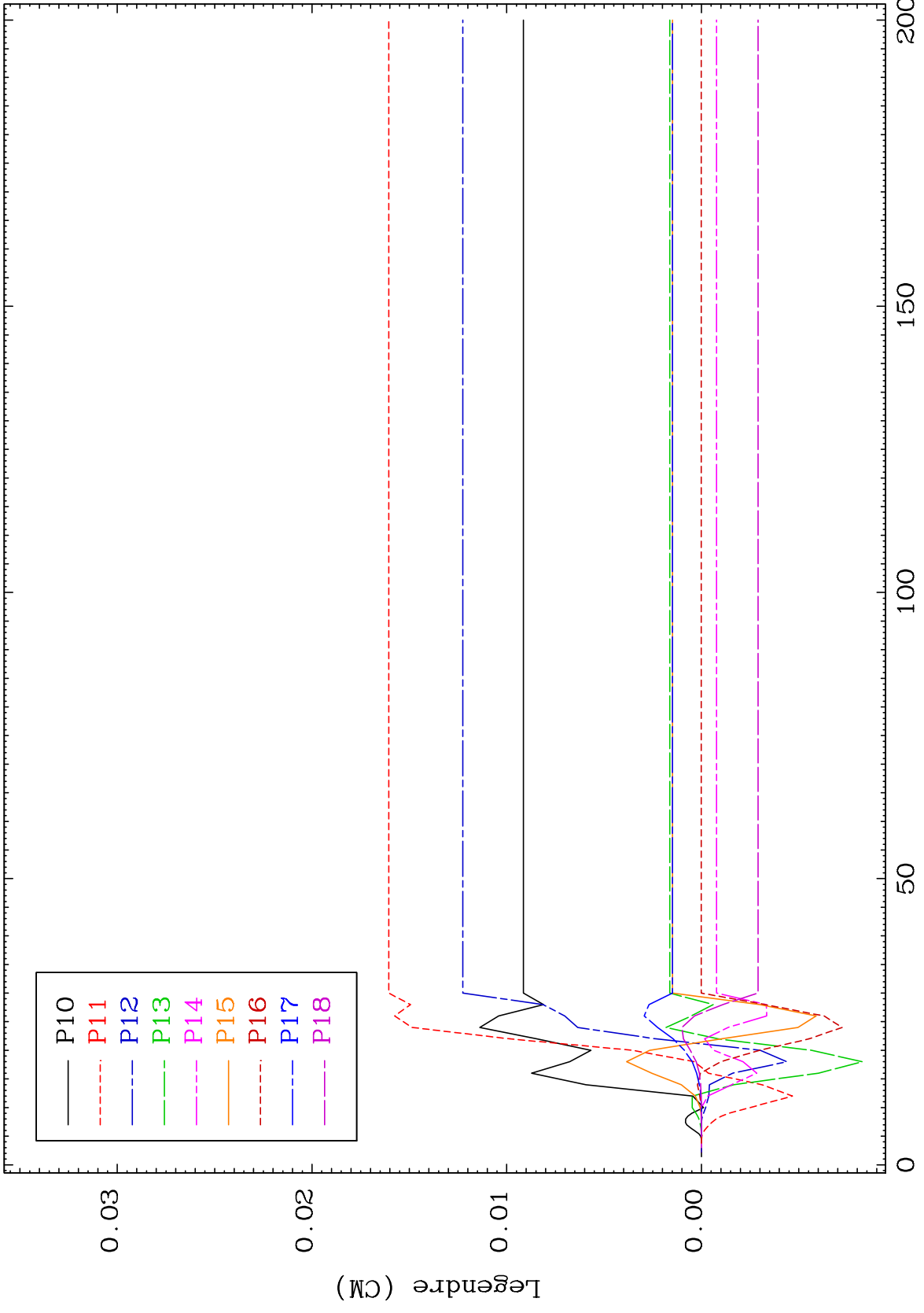
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Incident Energy (MeV)

MAT 6155

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

61-Pm-149



41

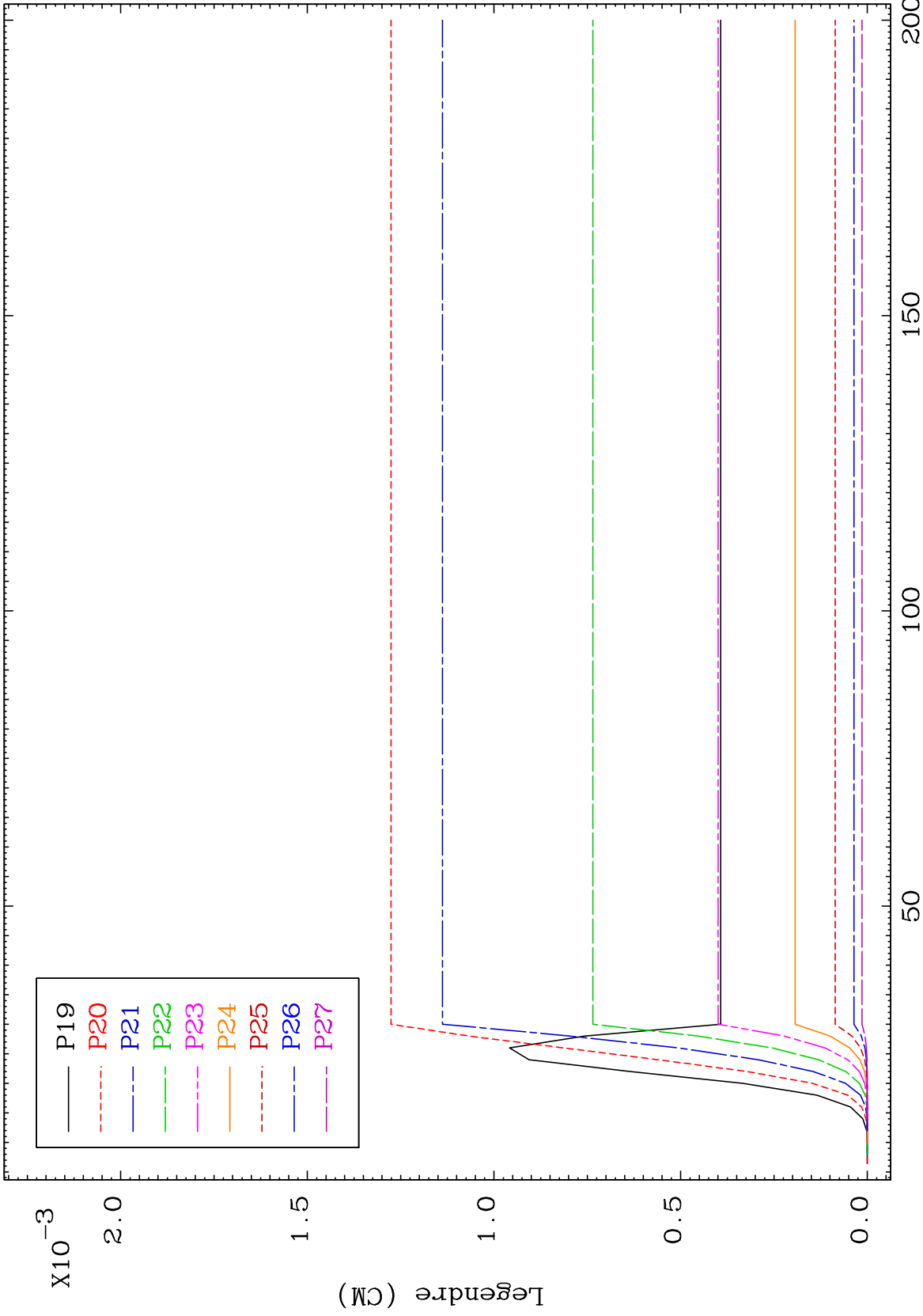
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



42

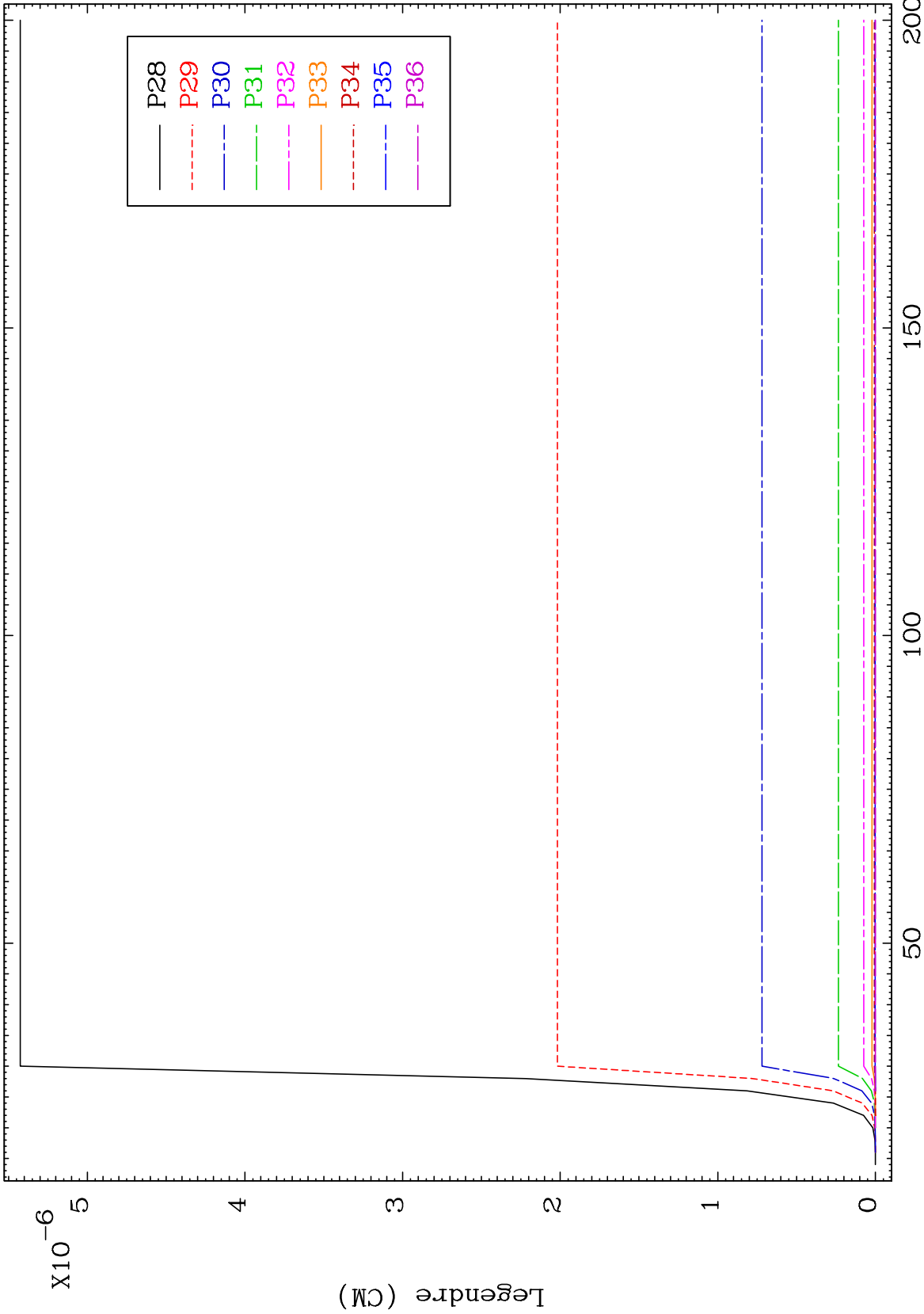
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



43

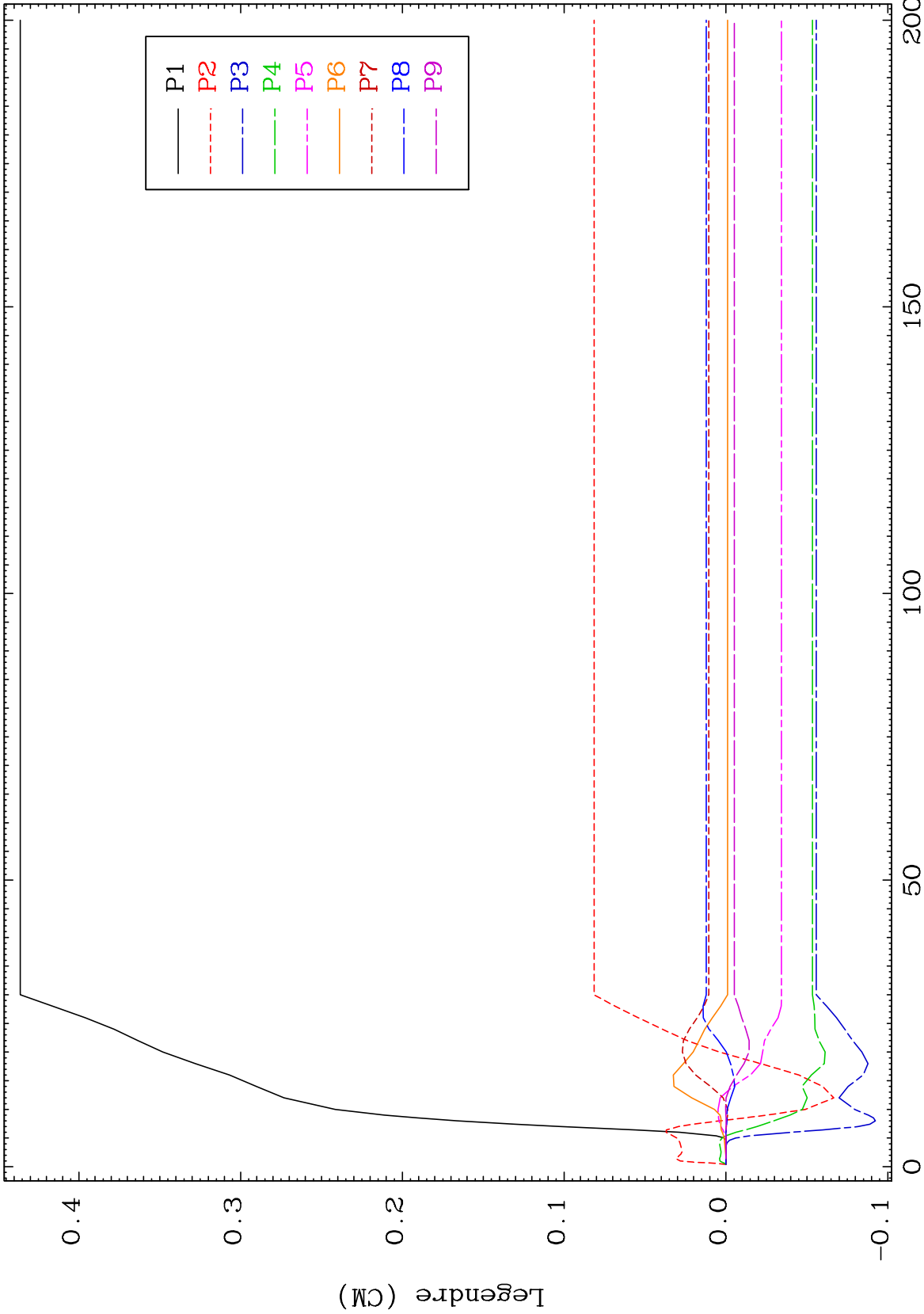
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



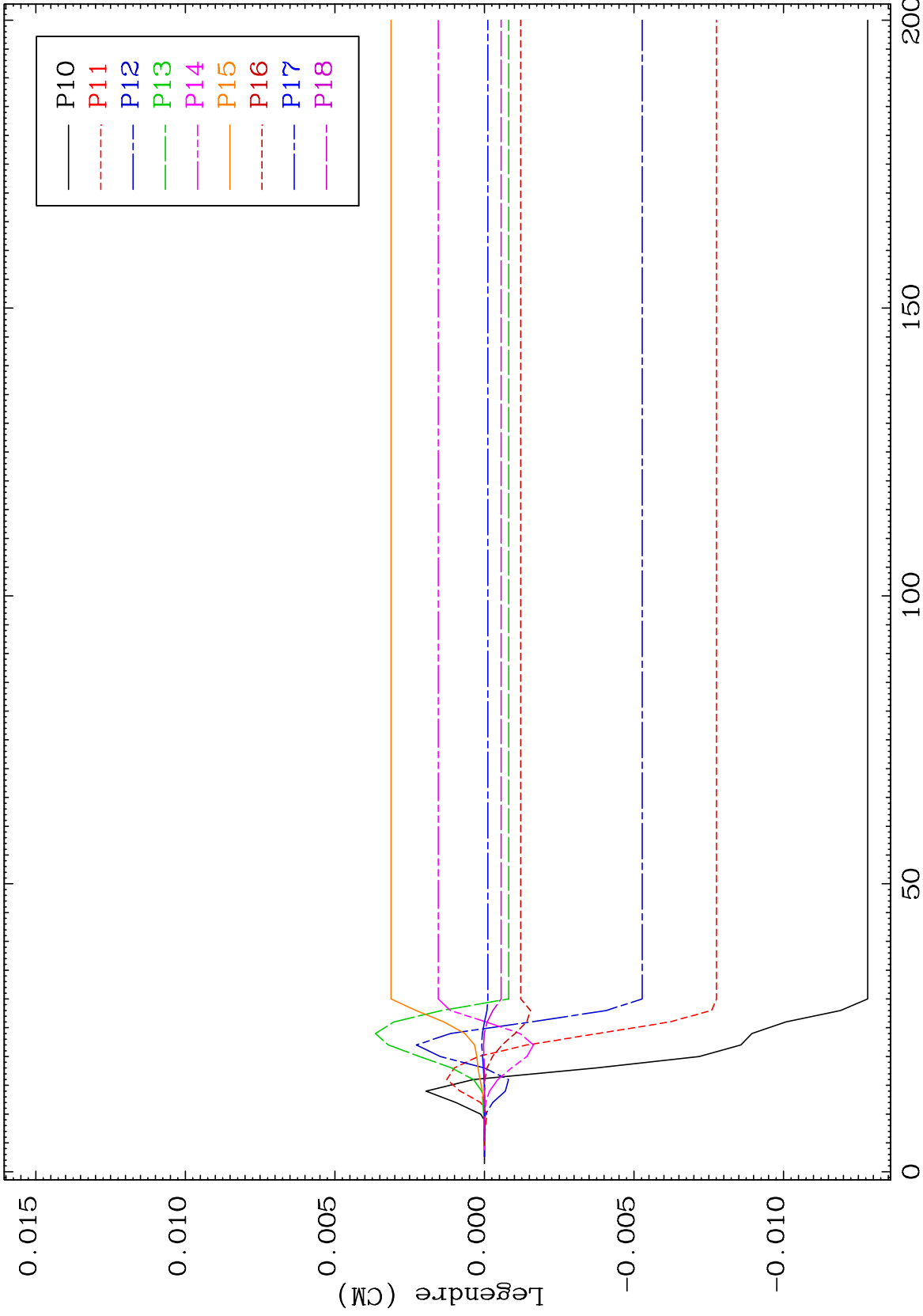
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61-Pm-149

MAT 6155

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

61-Pm-149



45

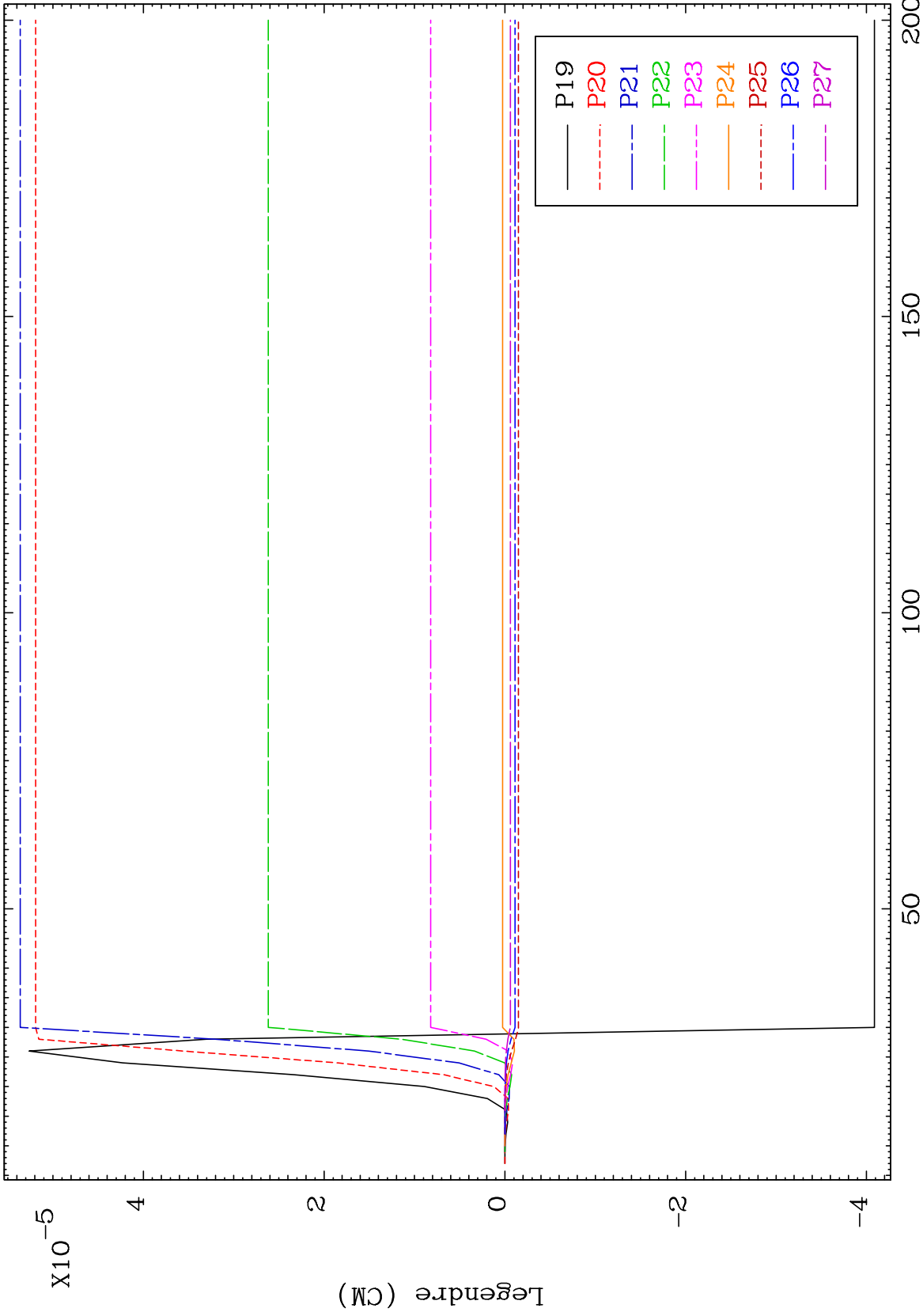
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



46

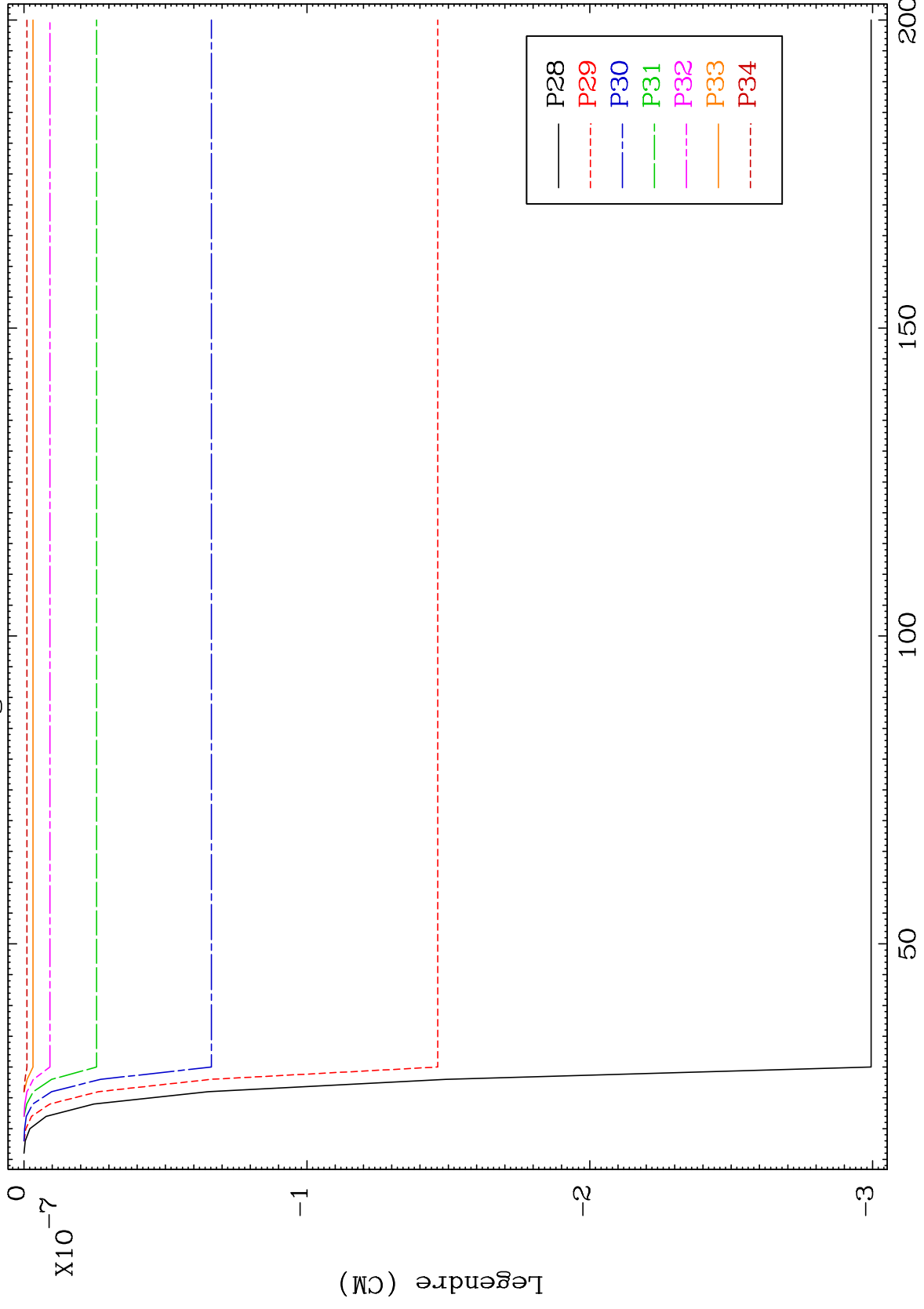
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



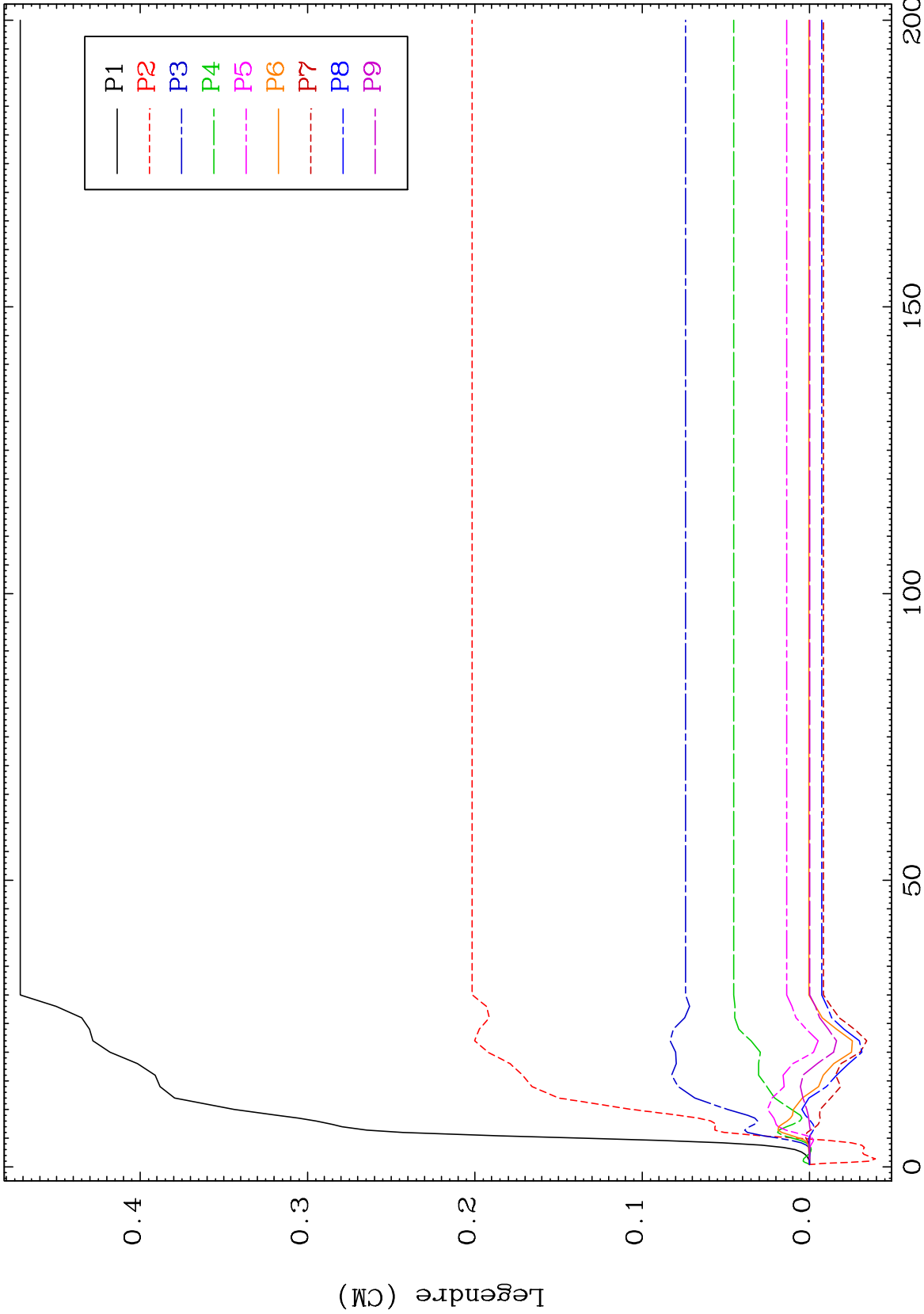
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61-Pm-149

MAT 6155

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

61-Pm-149



48

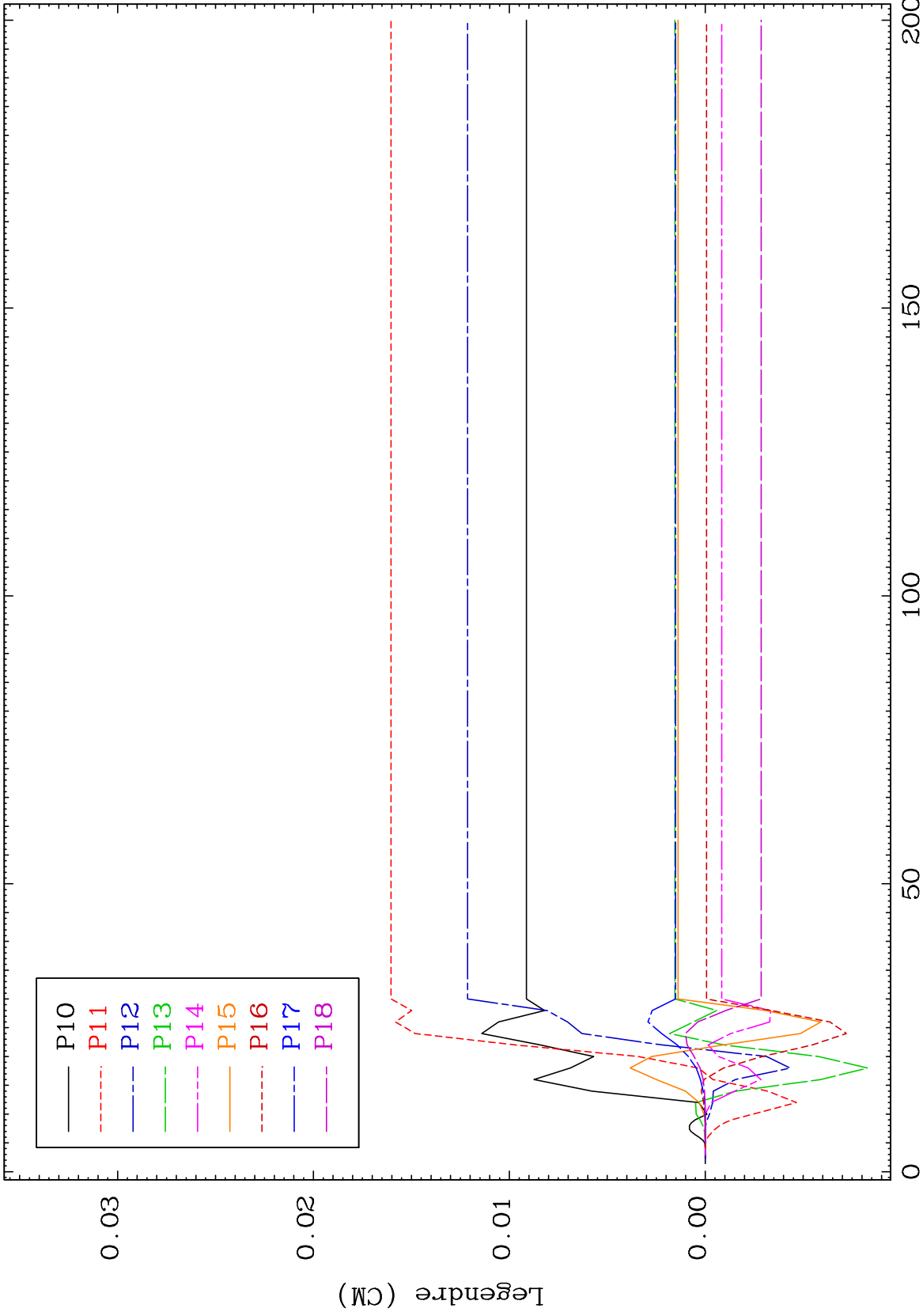
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



49

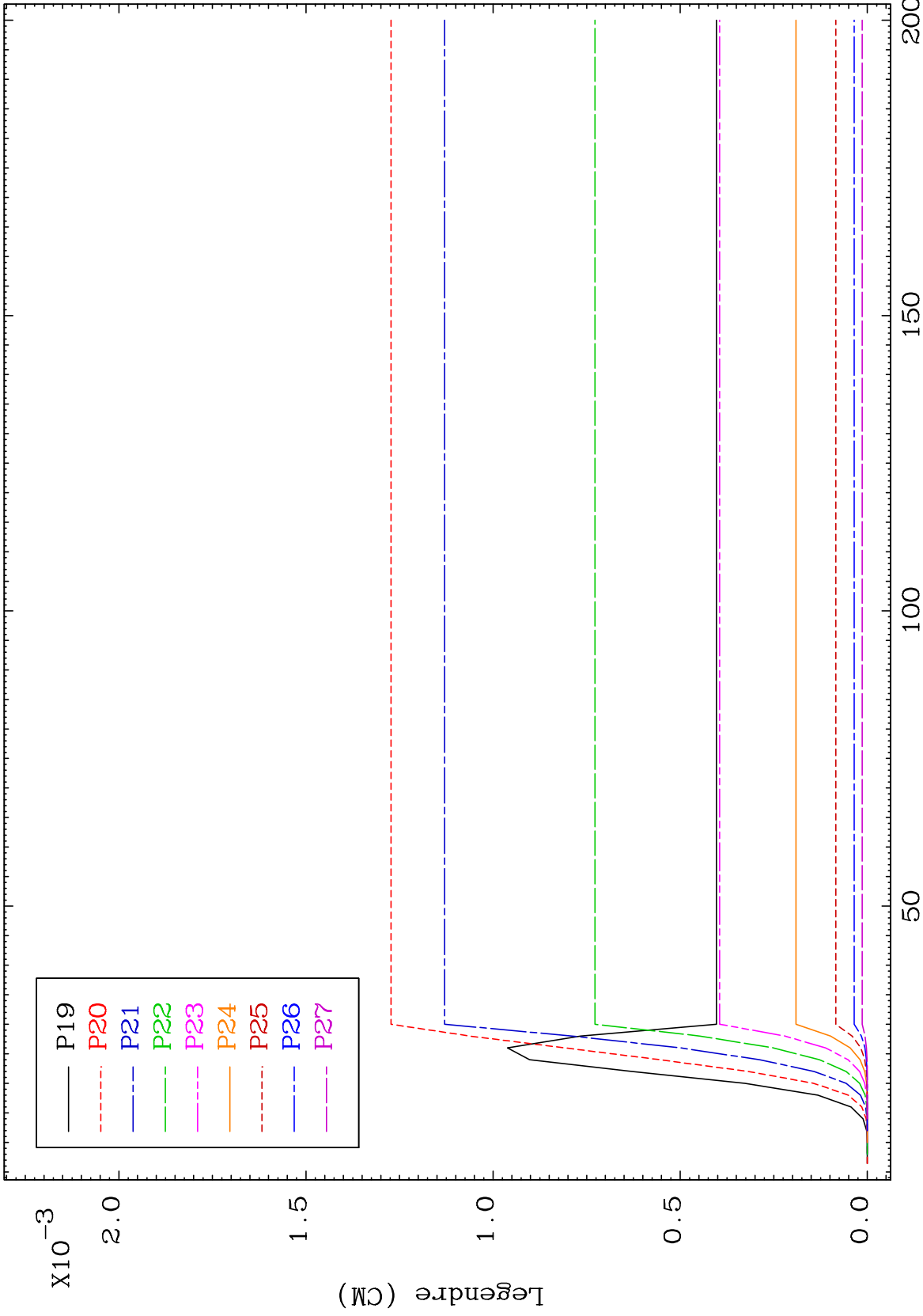
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



50

50

100

150

200

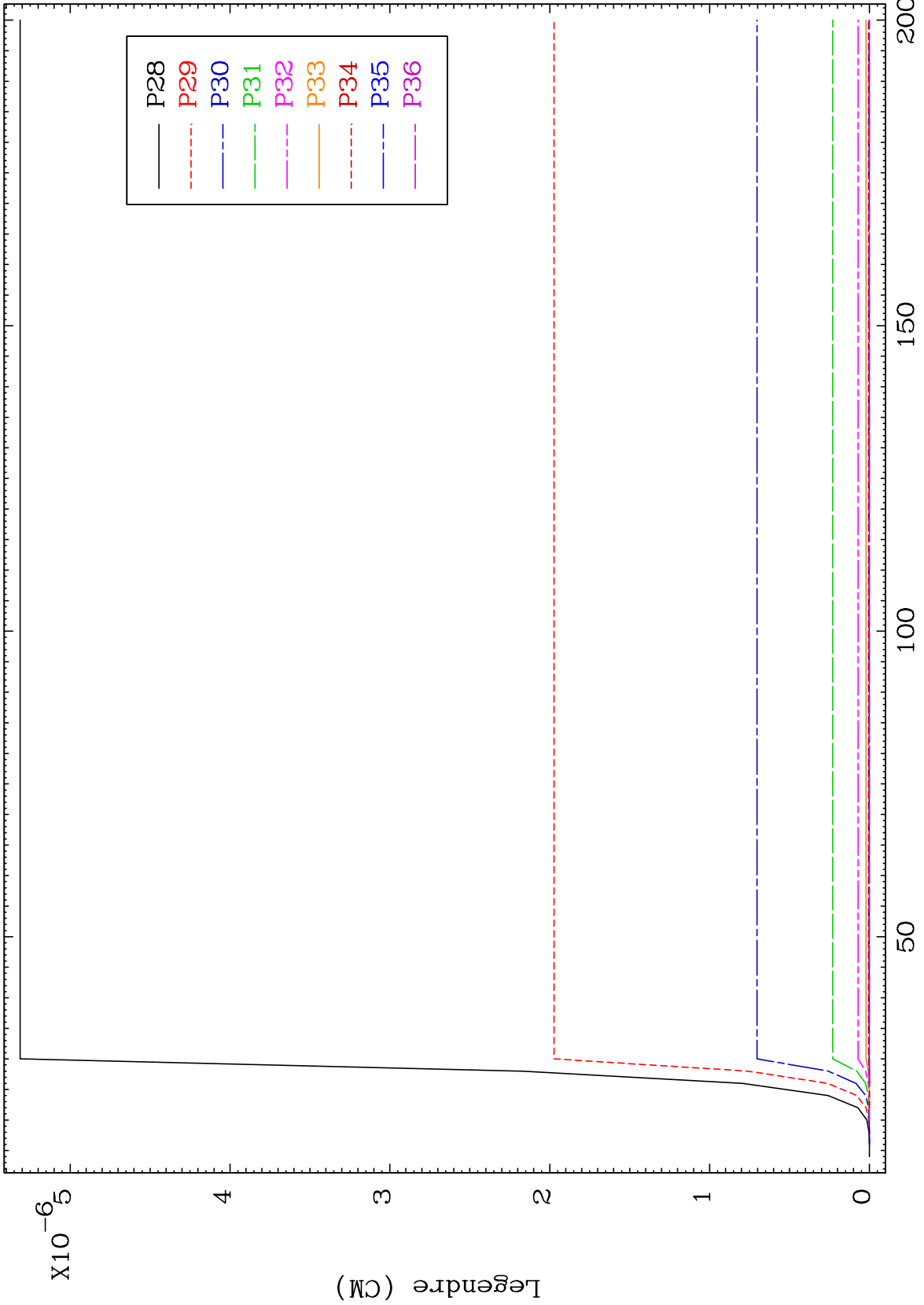
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149

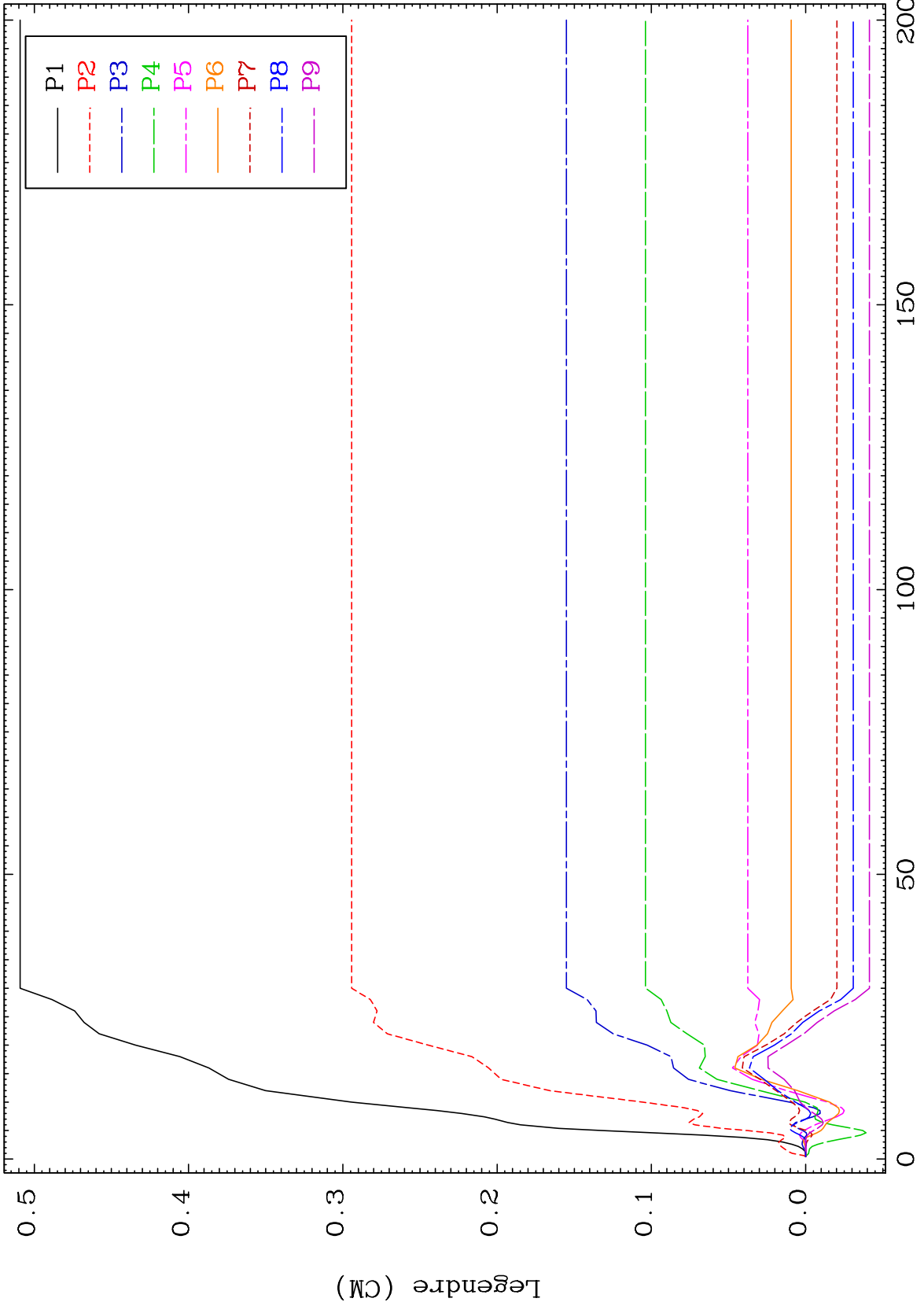


51

Incident Energy (MeV)

61-Pm-149

MAT 6155 MT= 59 (n,n') Level Legendre Coefficients 61-Pm-149

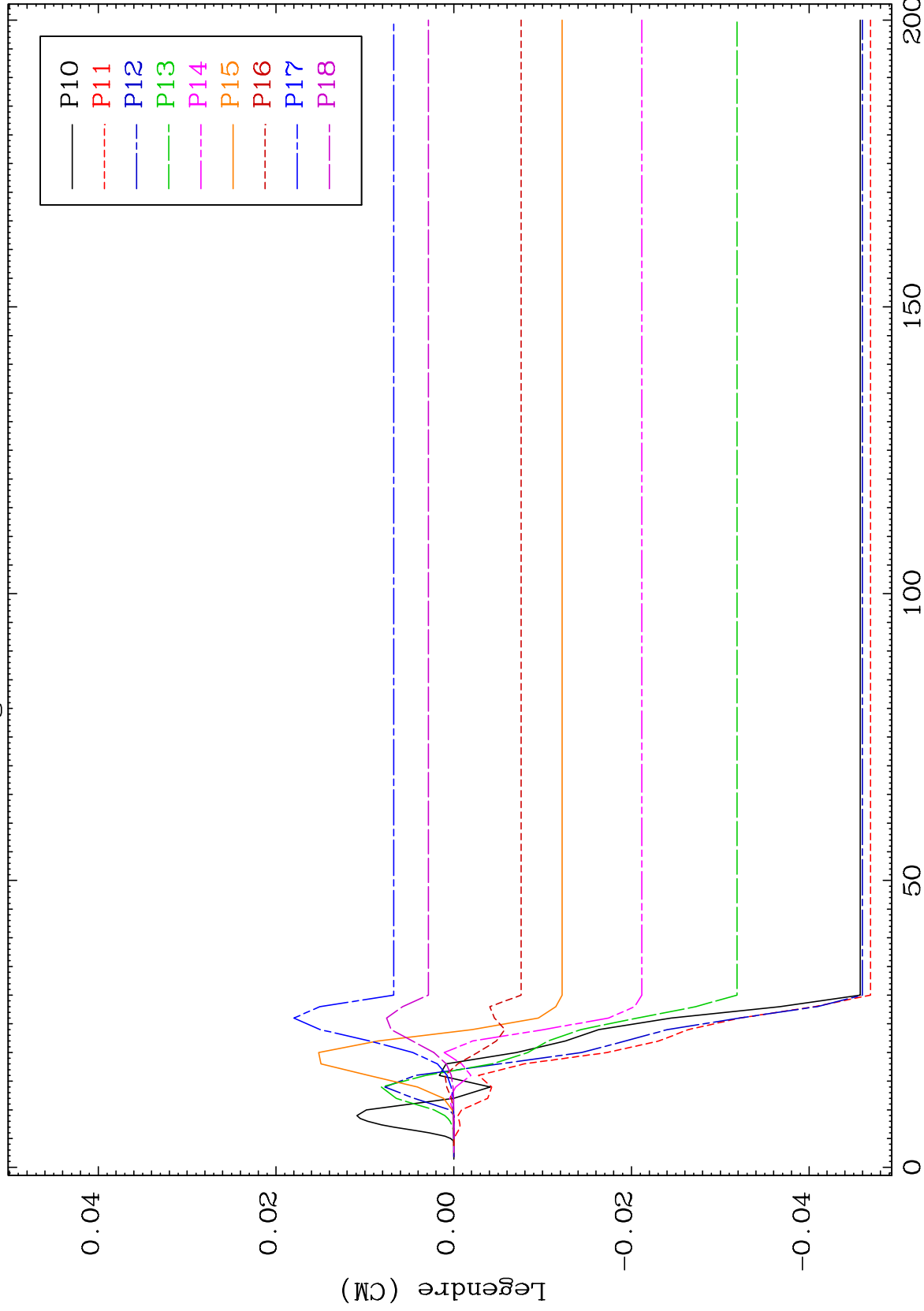


52 61-Pm-149

MAT 6155

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

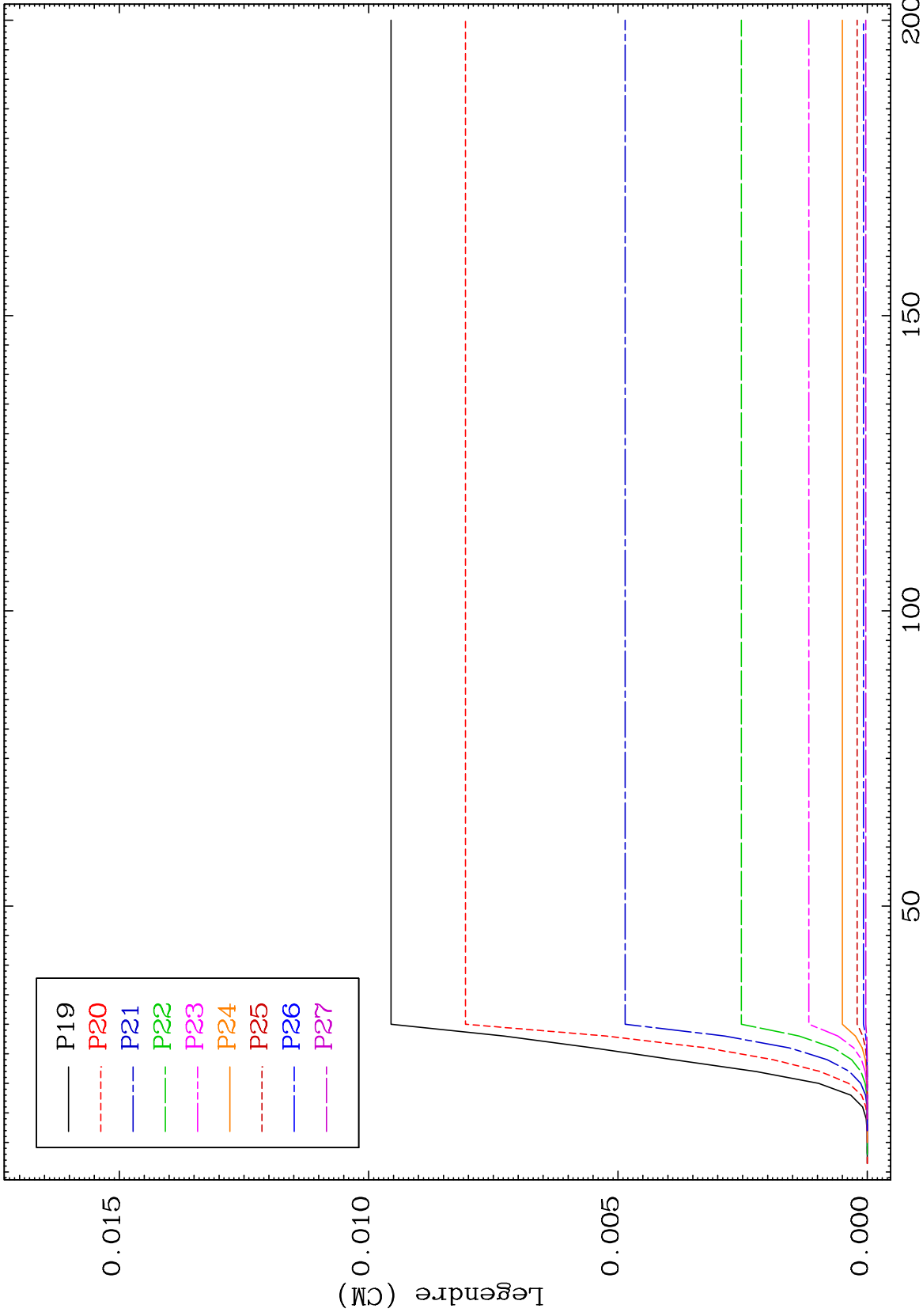
61-Pm-149



53

Incident Energy (MeV)

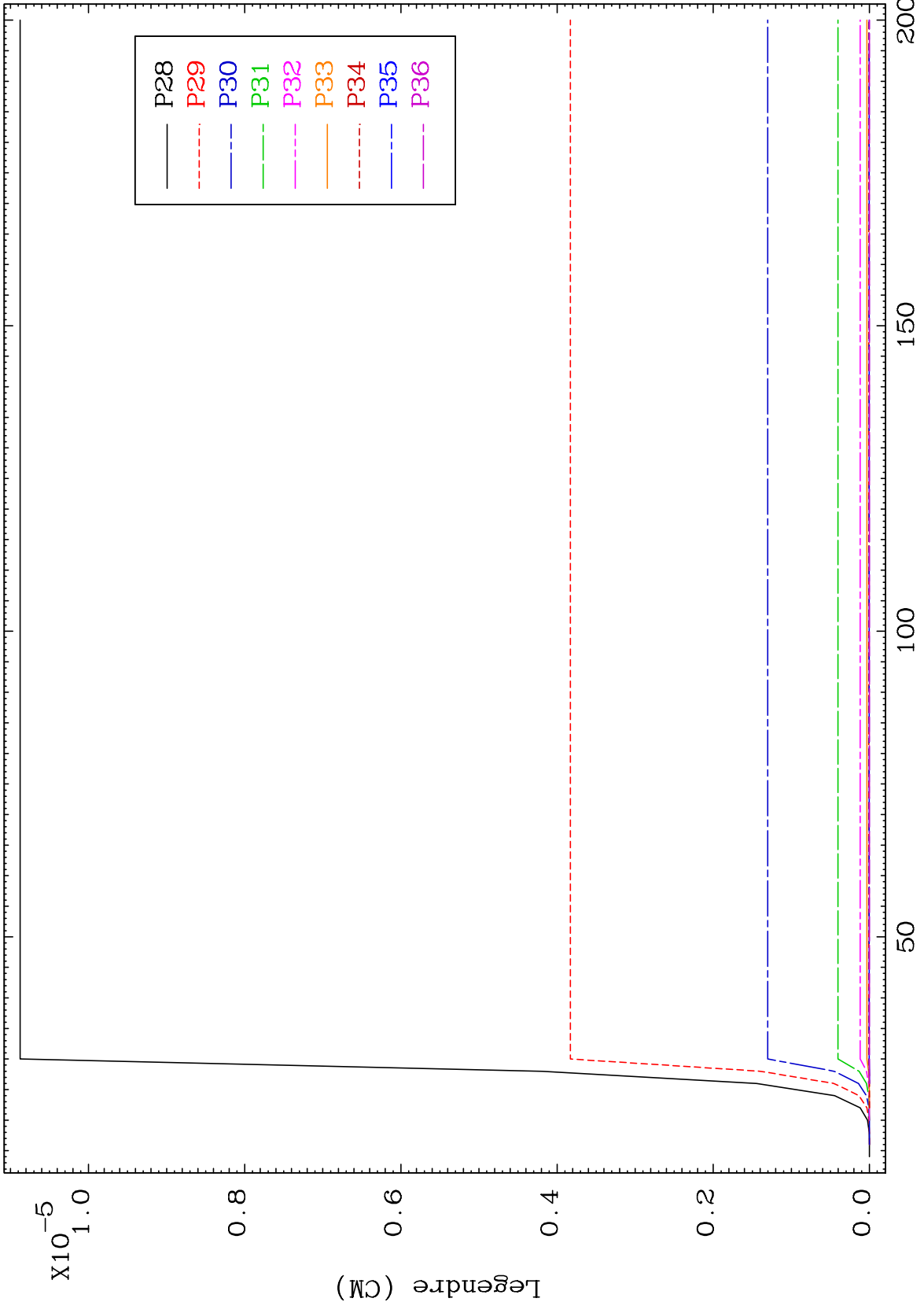
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MAT 6155

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

61-Pm-149



55

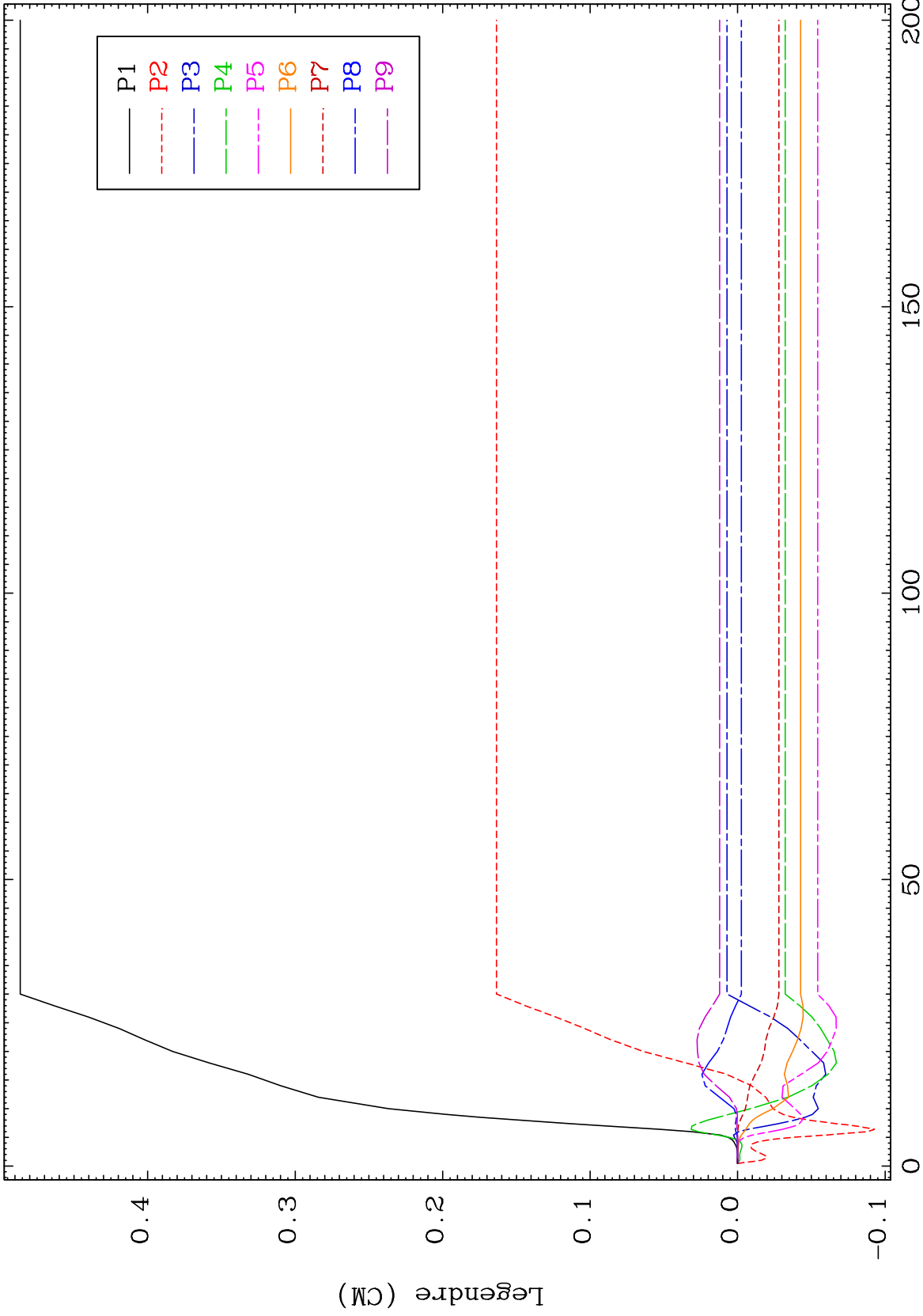
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



56

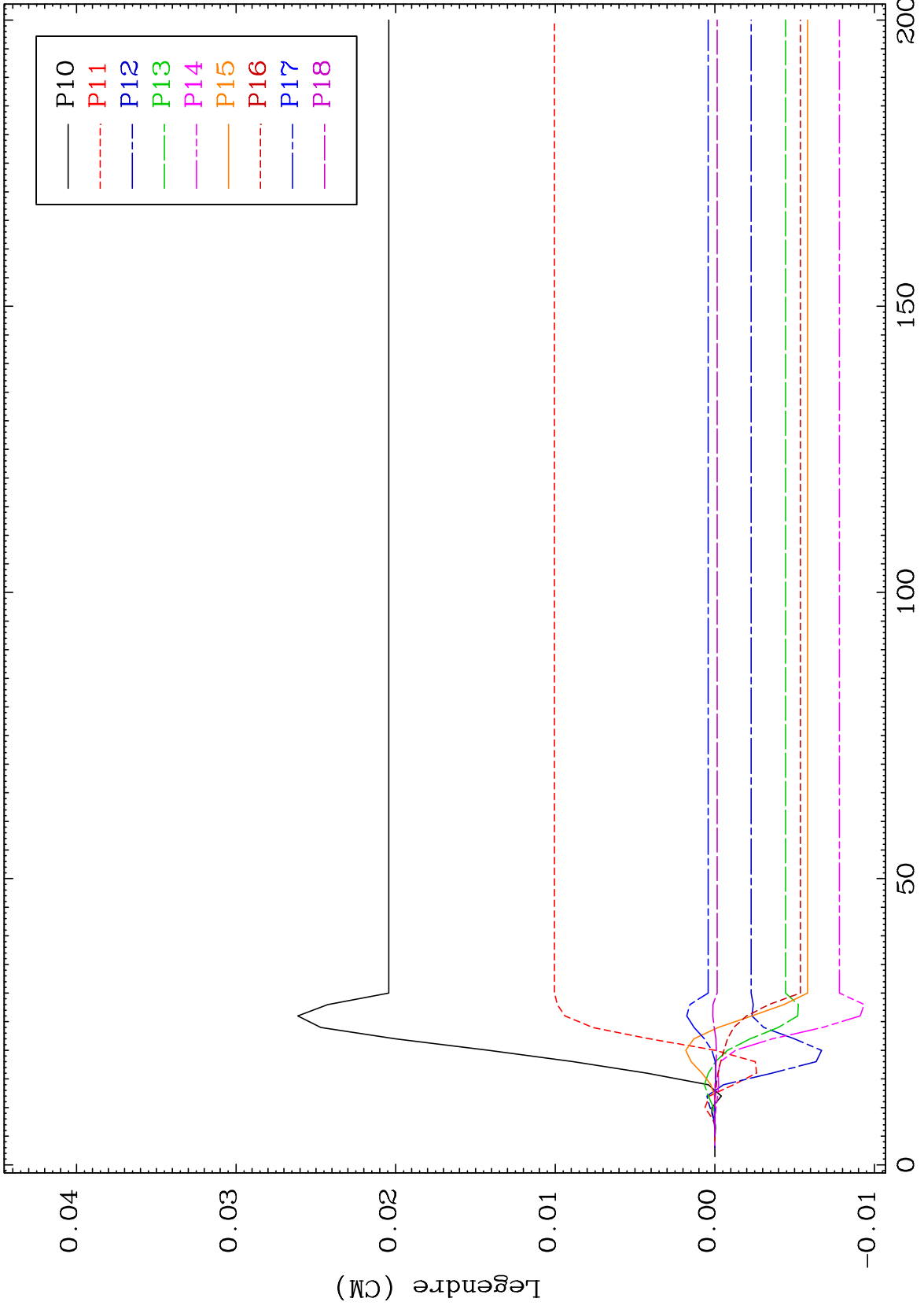
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



57

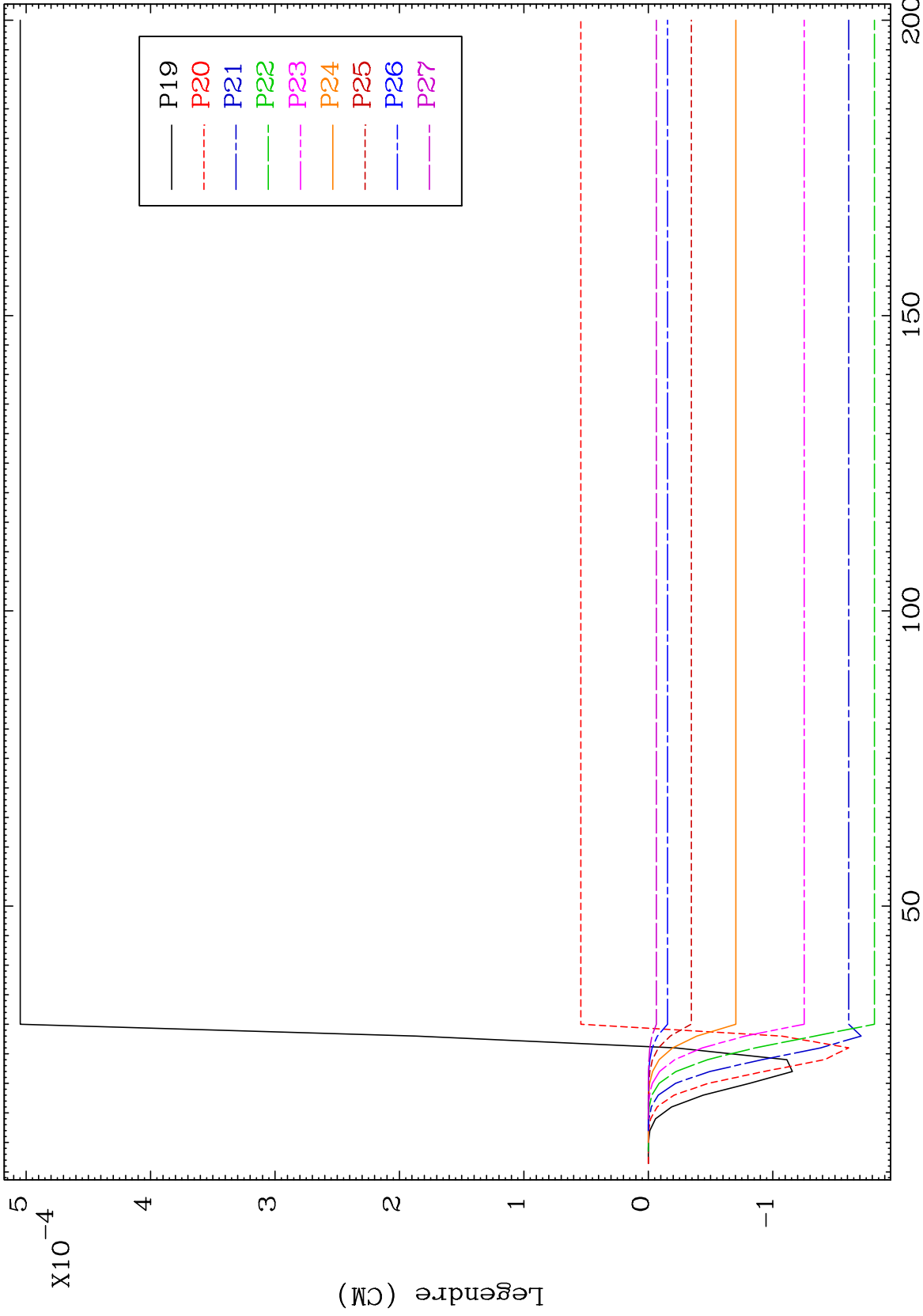
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



58

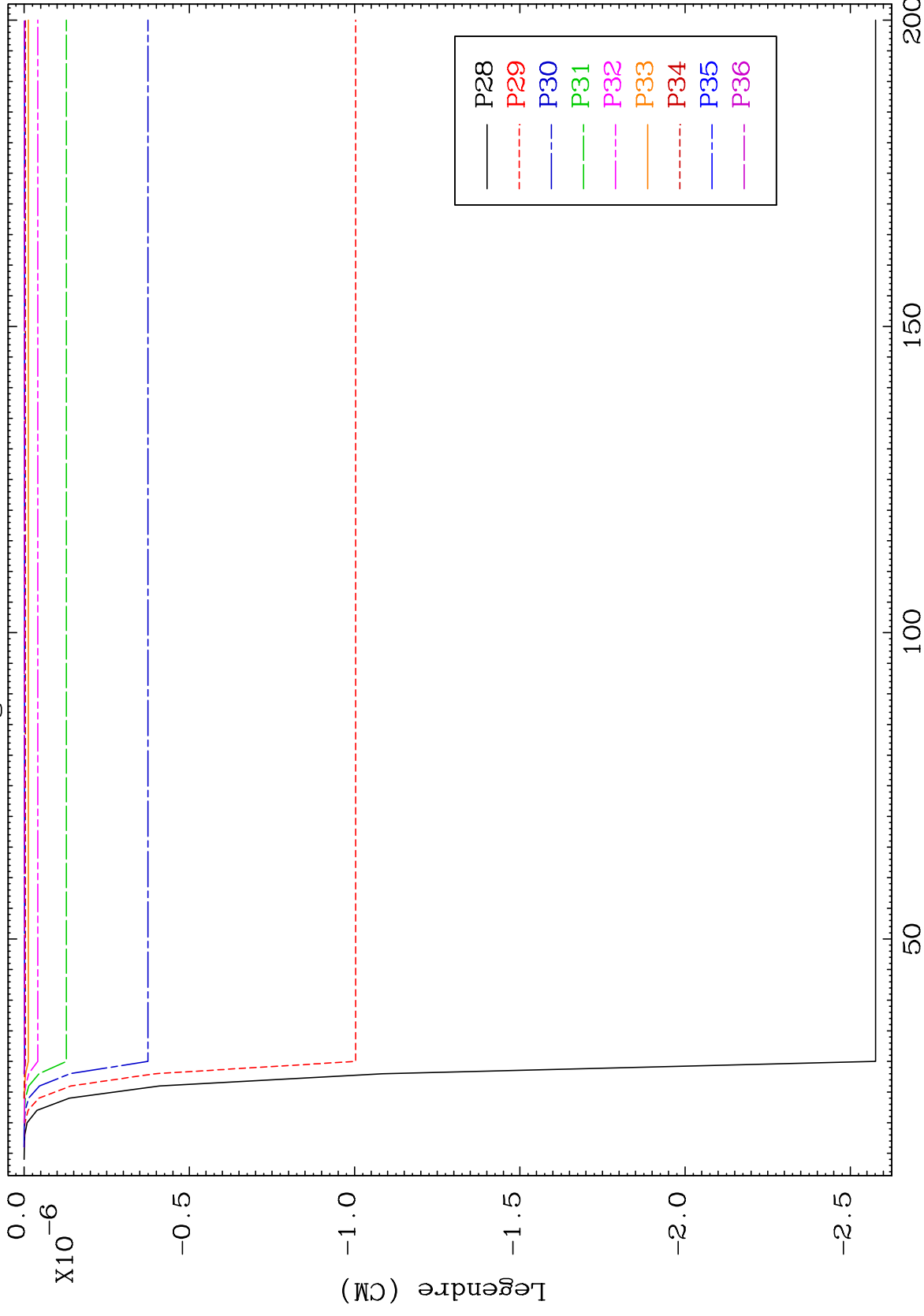
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



61-Pm-149

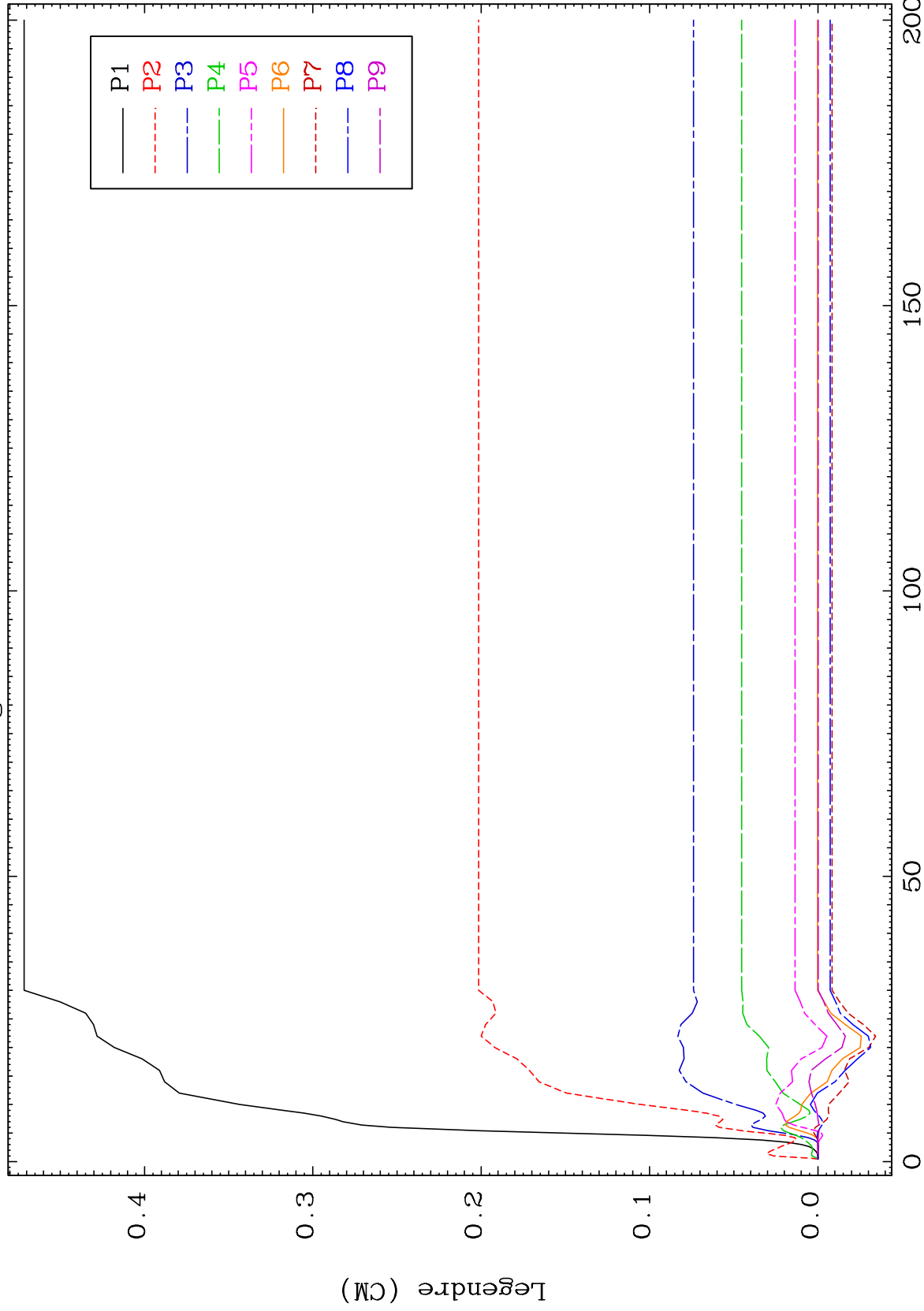
Incident Energy (MeV)

59

MAT 6155

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

61-Pm-149



61-Pm-149

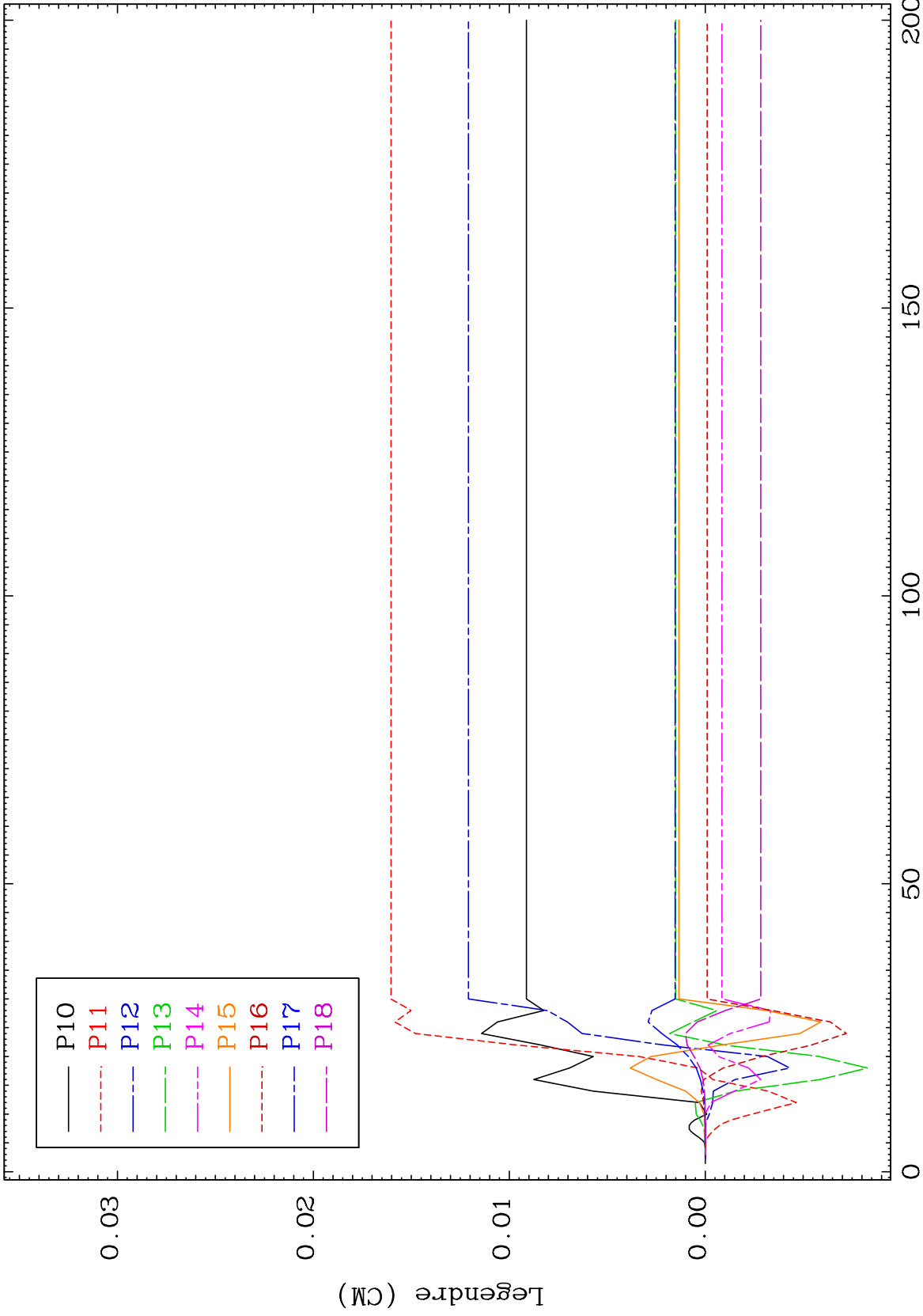
Incident Energy (MeV)

60

MAT 6155

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

61-Pm-149



61

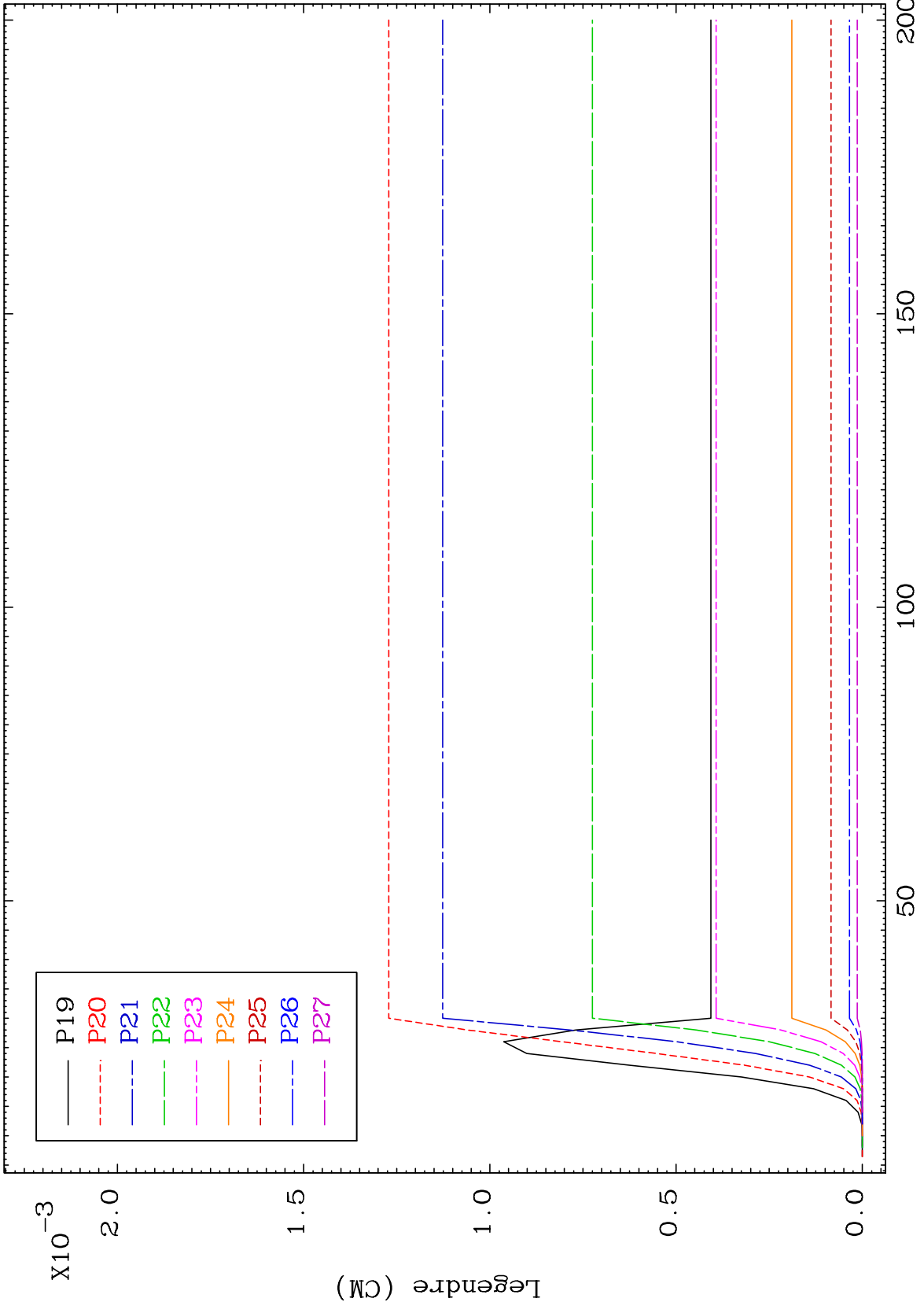
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



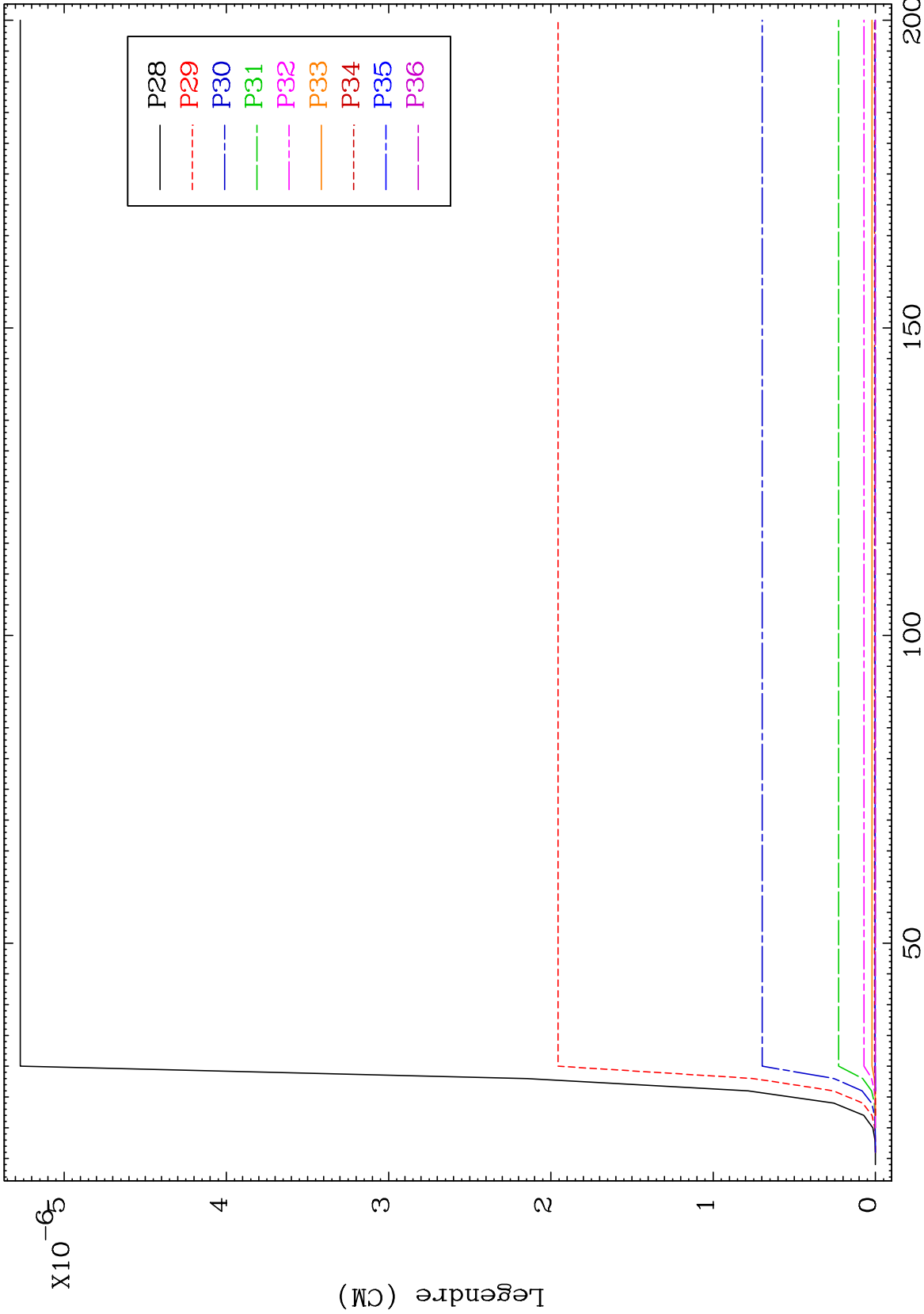
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61-Pm-149

MAT 6155

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

61-Pm-149



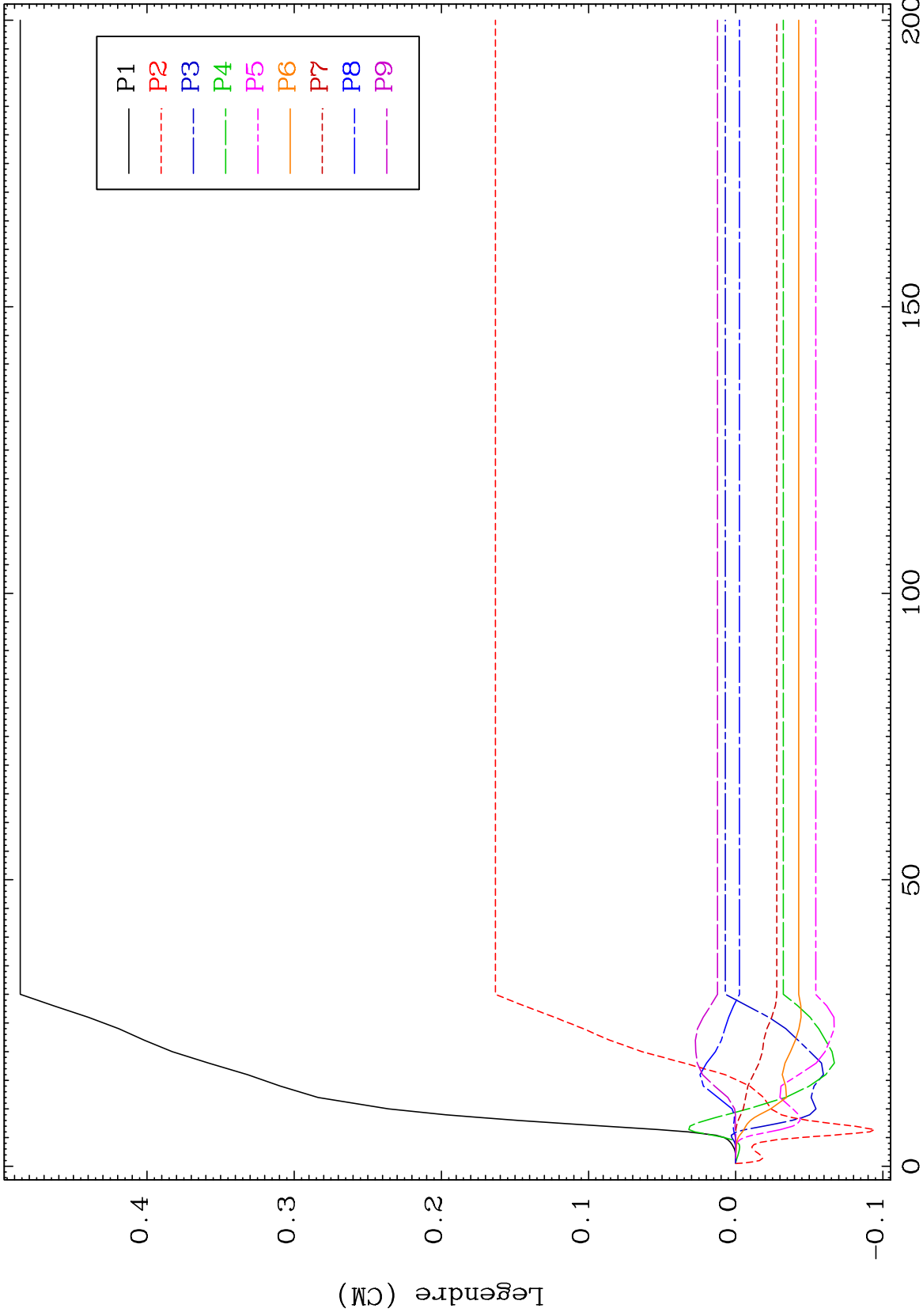
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61-Pm-149

MAT 6155

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

61-Pm-149



64

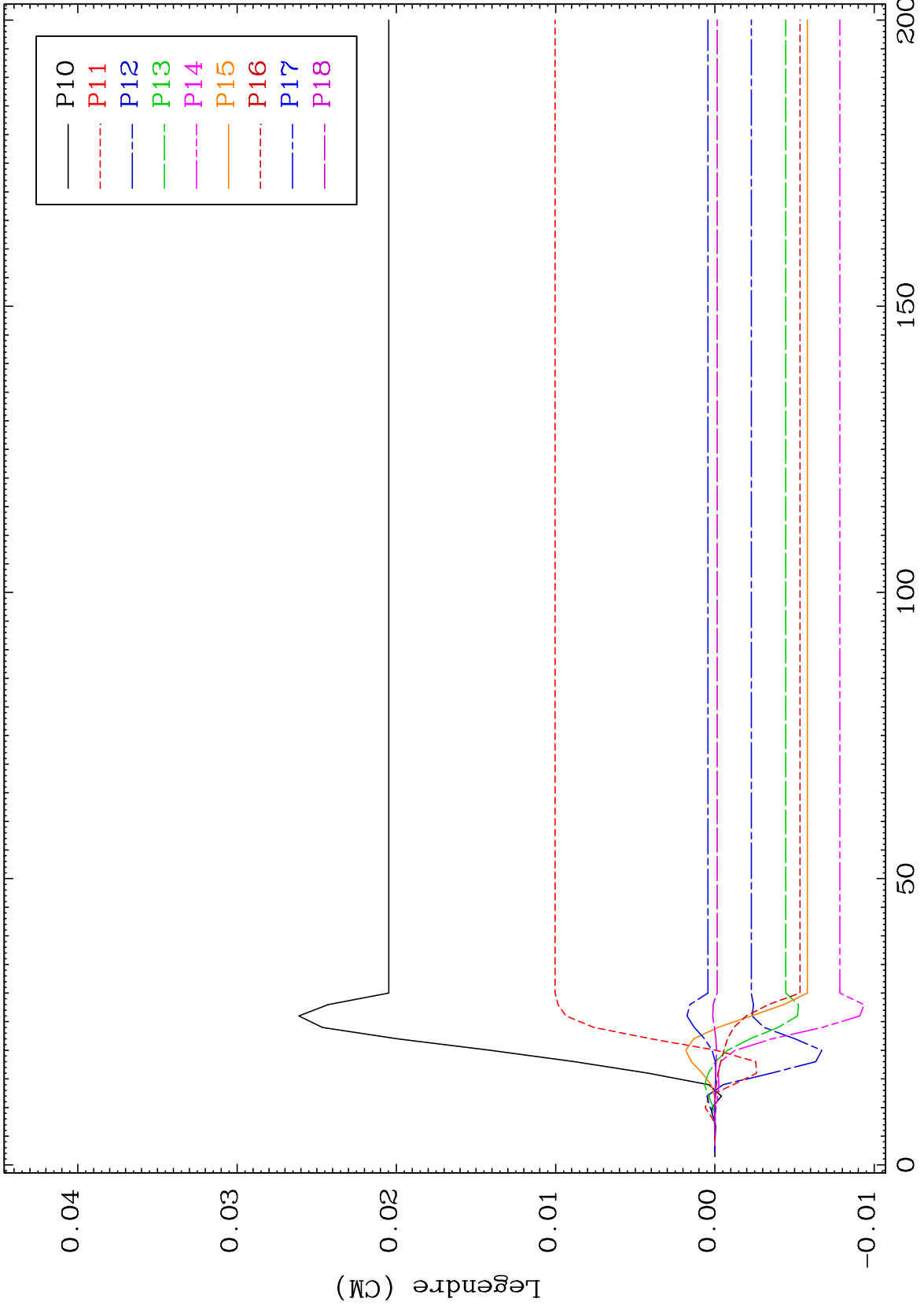
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



65

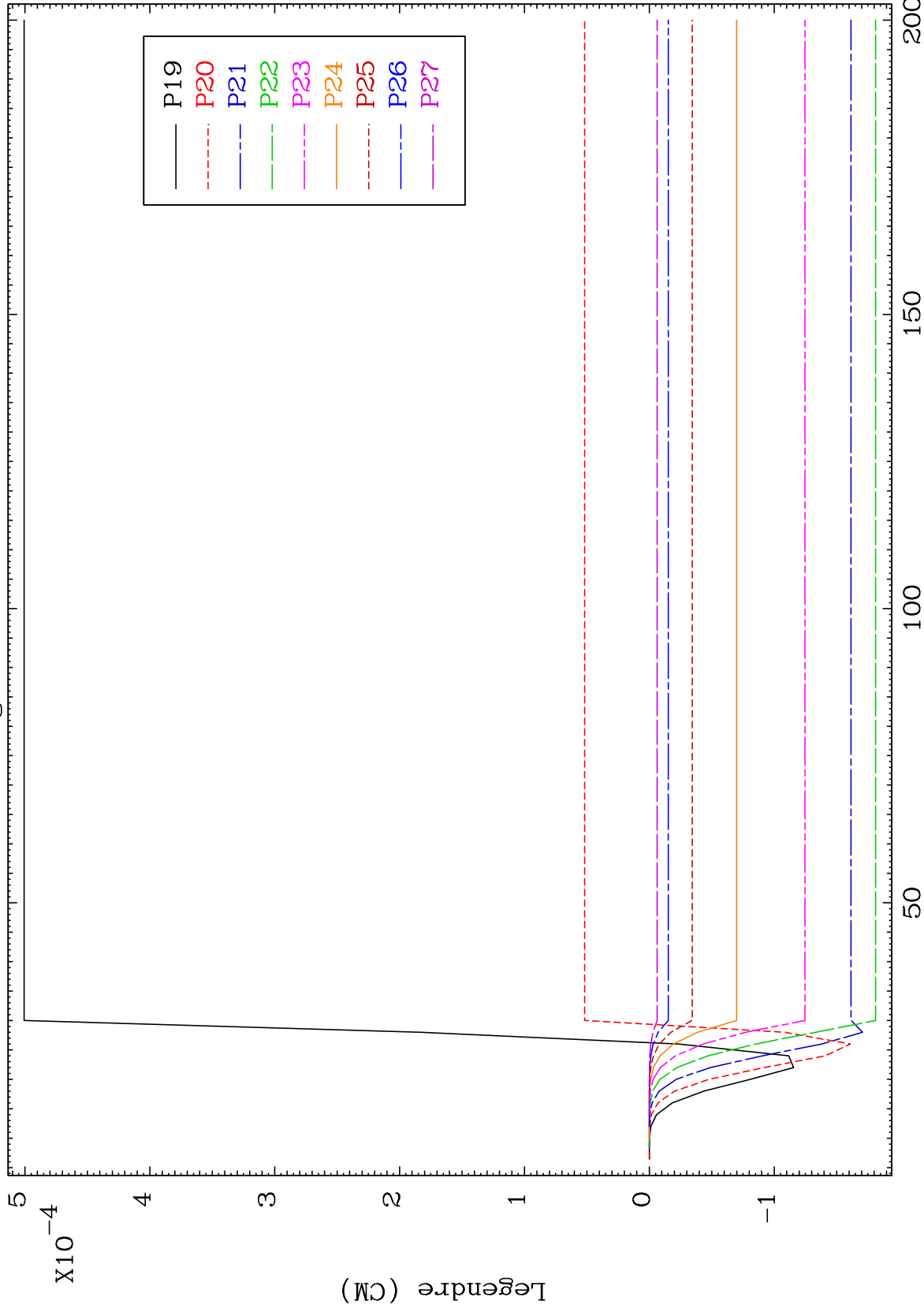
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



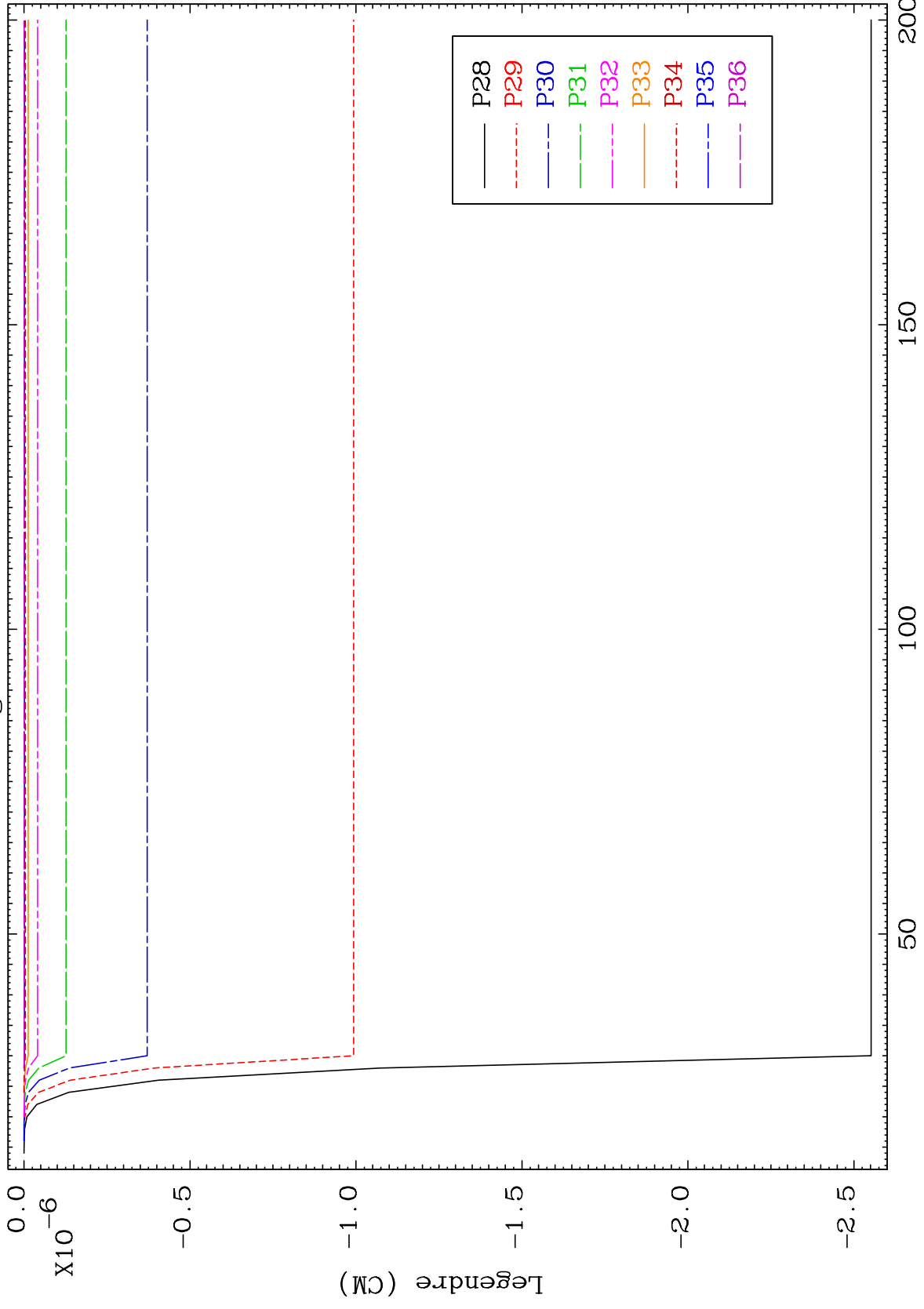
66

61-Pm-149

MAT 6155

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

61-Pm-149

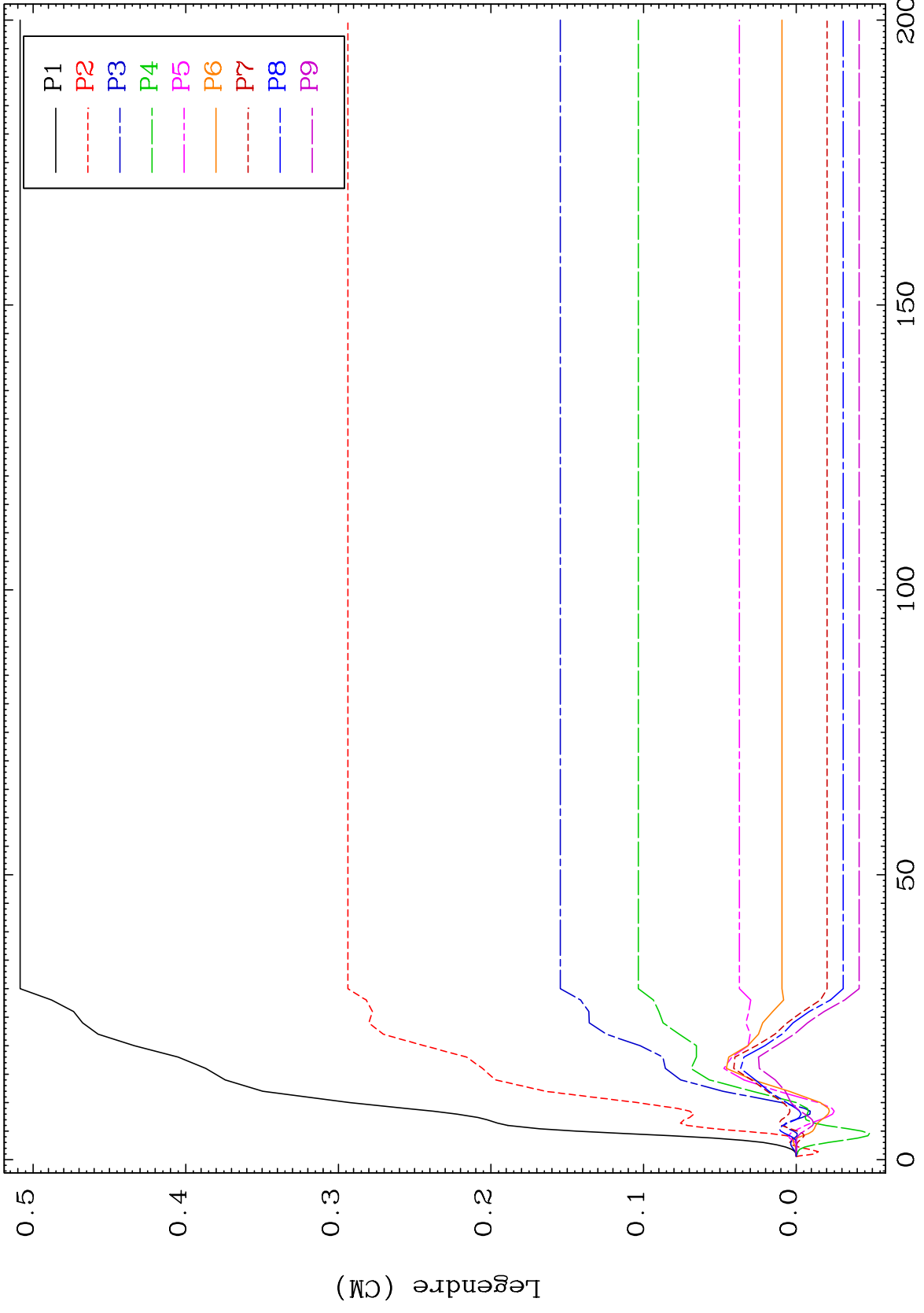


61-Pm-149

Incident Energy (MeV)

67

MAT 6155 MT= 63 (n,n') Level Legendre Coefficients 61-Pm-149

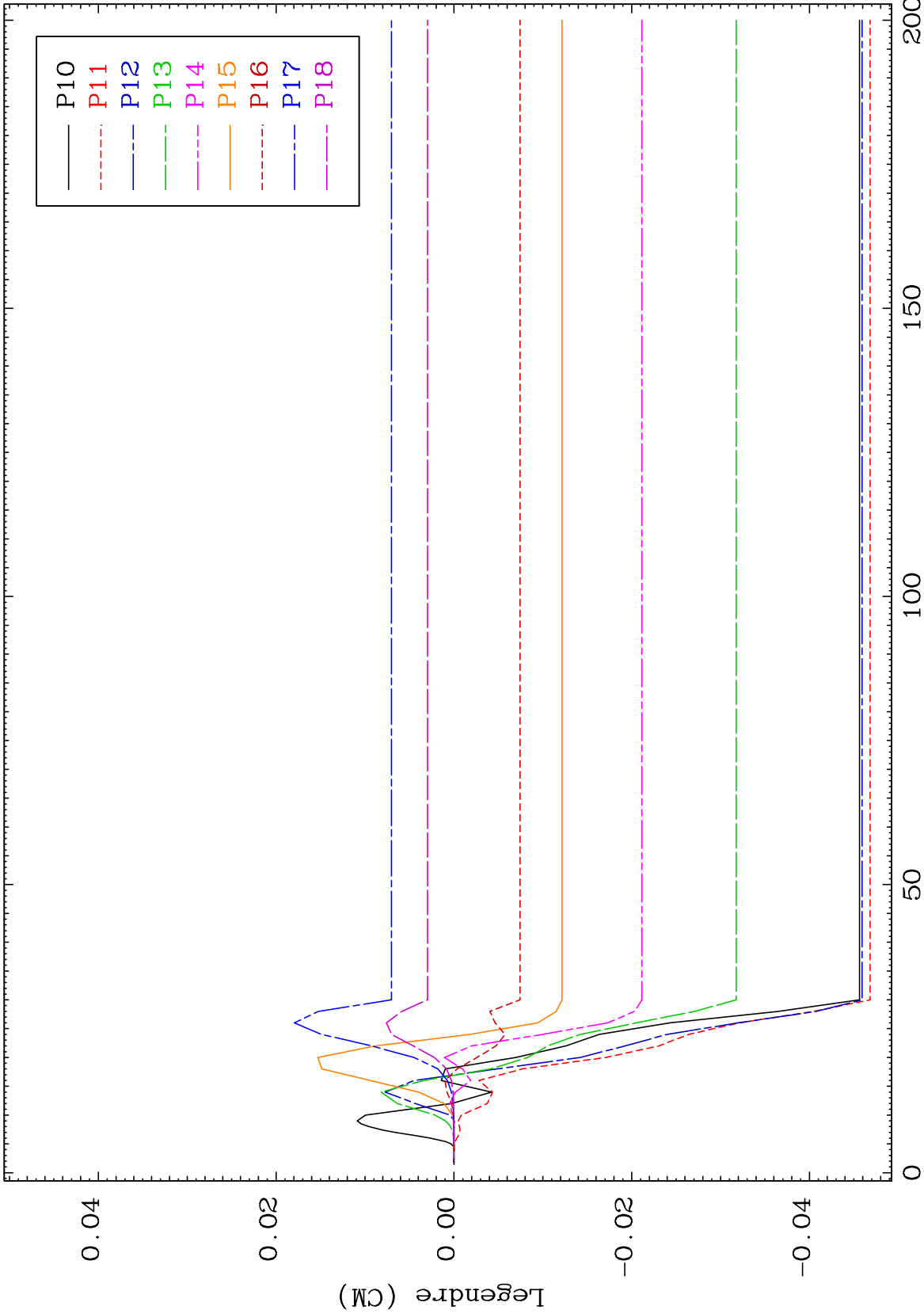


68 61-Pm-149

MAT 6155

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

61-Pm-149



69

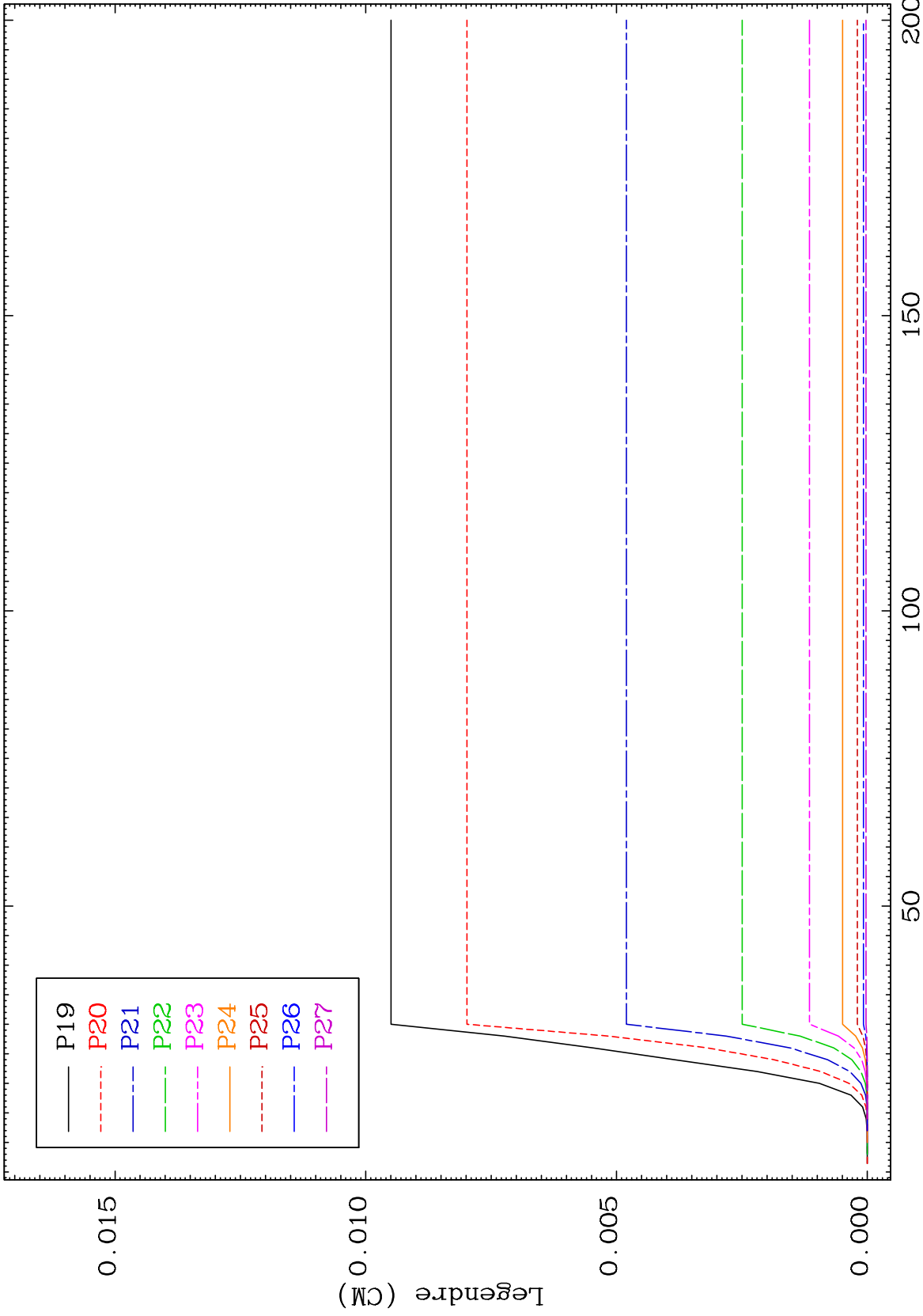
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



70

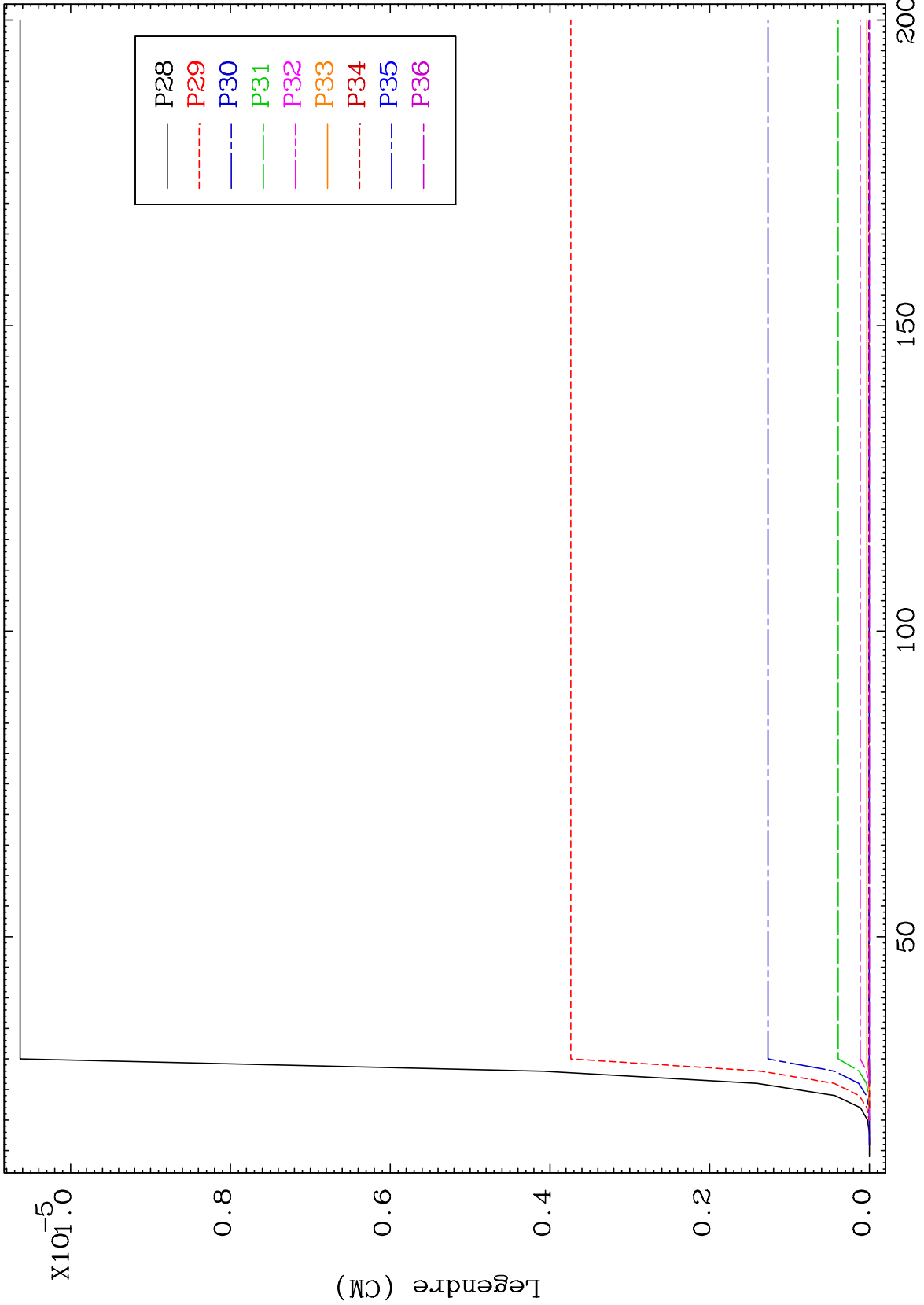
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



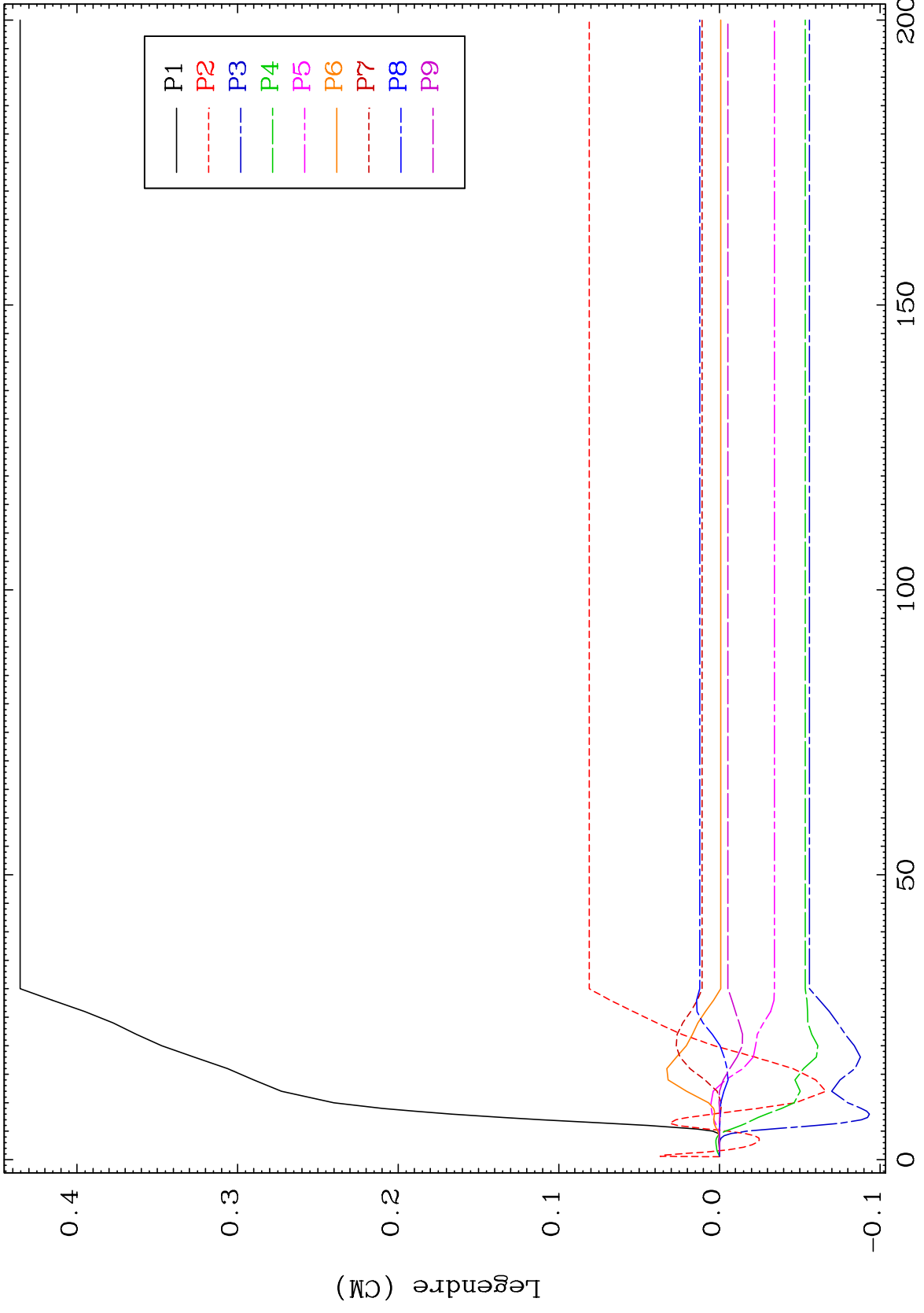
71

61-Pm-149

MAT 6155

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

61-Pm-149



72

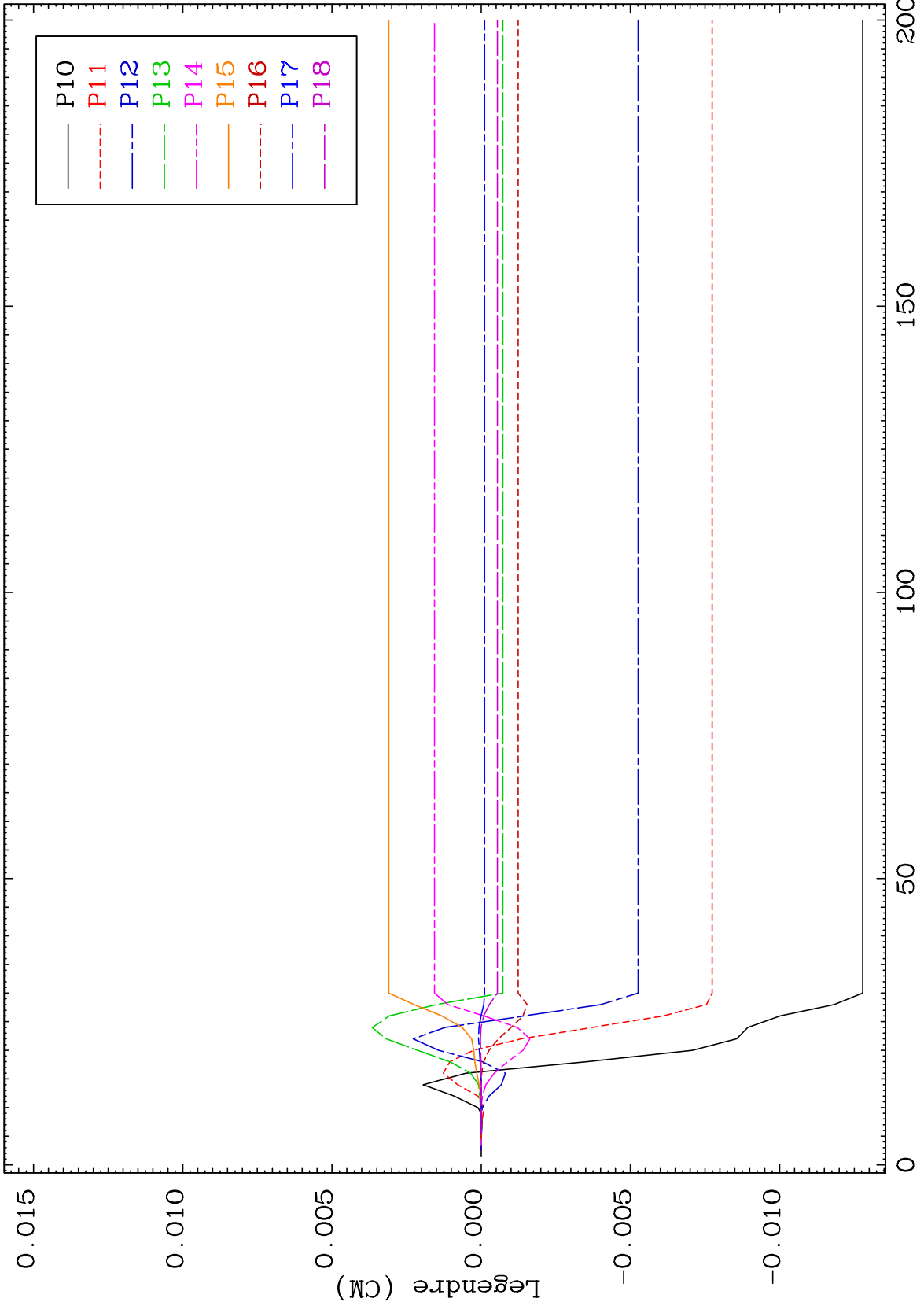
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



73

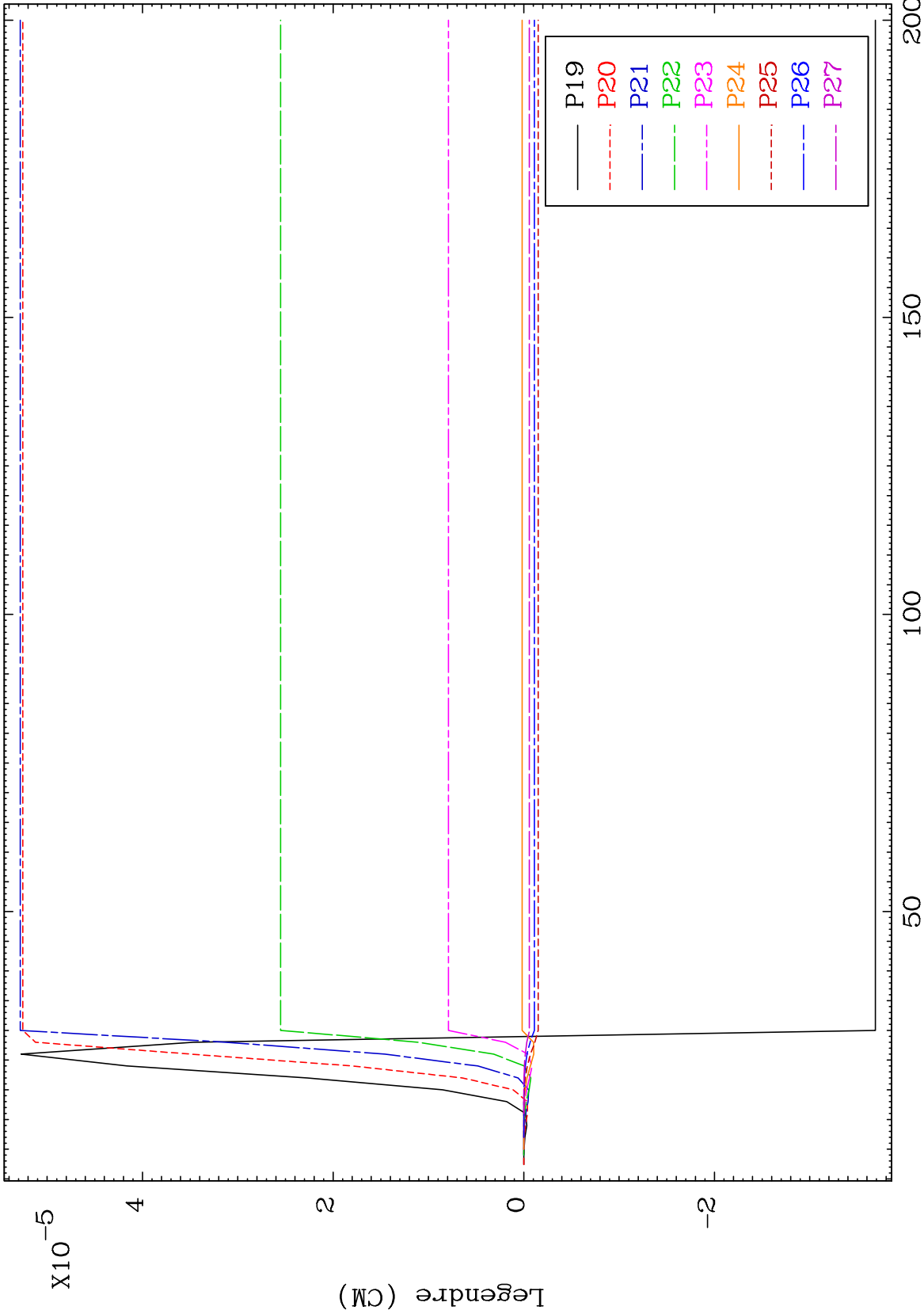
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



74

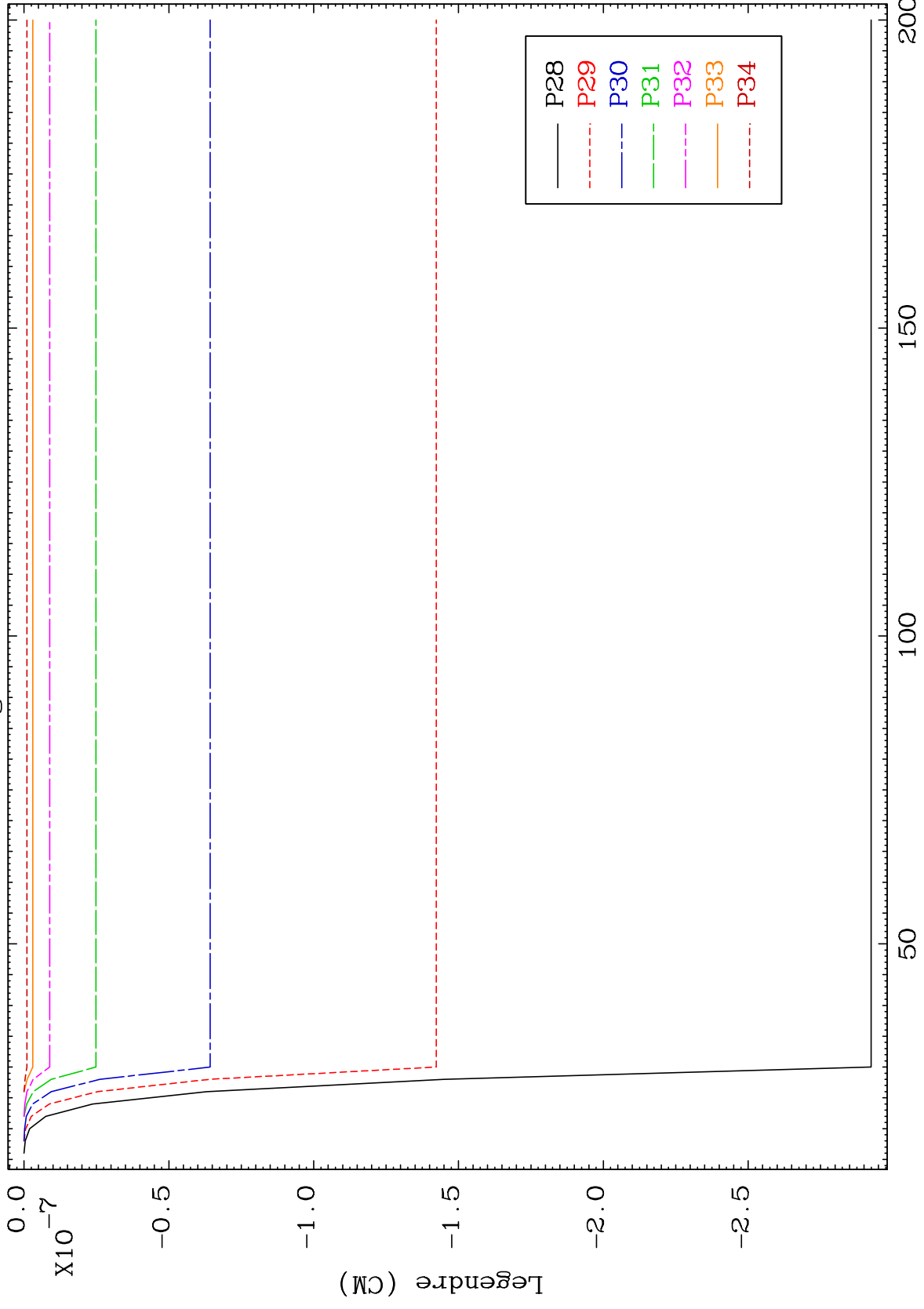
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149

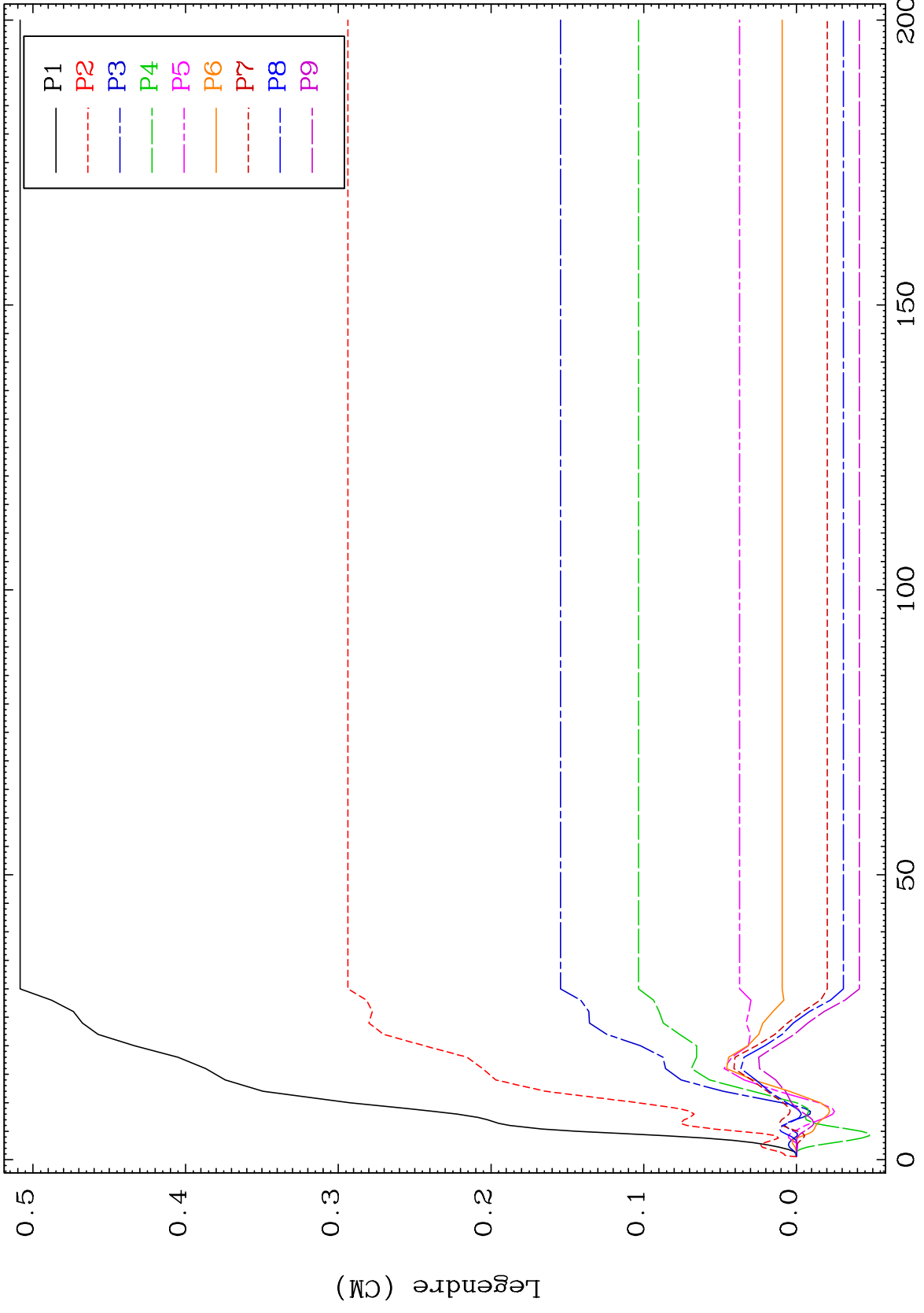


61-Pm-149

Incident Energy (MeV)

75

MAT 6155 MT= 65 (n,n') Level Legendre Coefficients 61-Pm-149

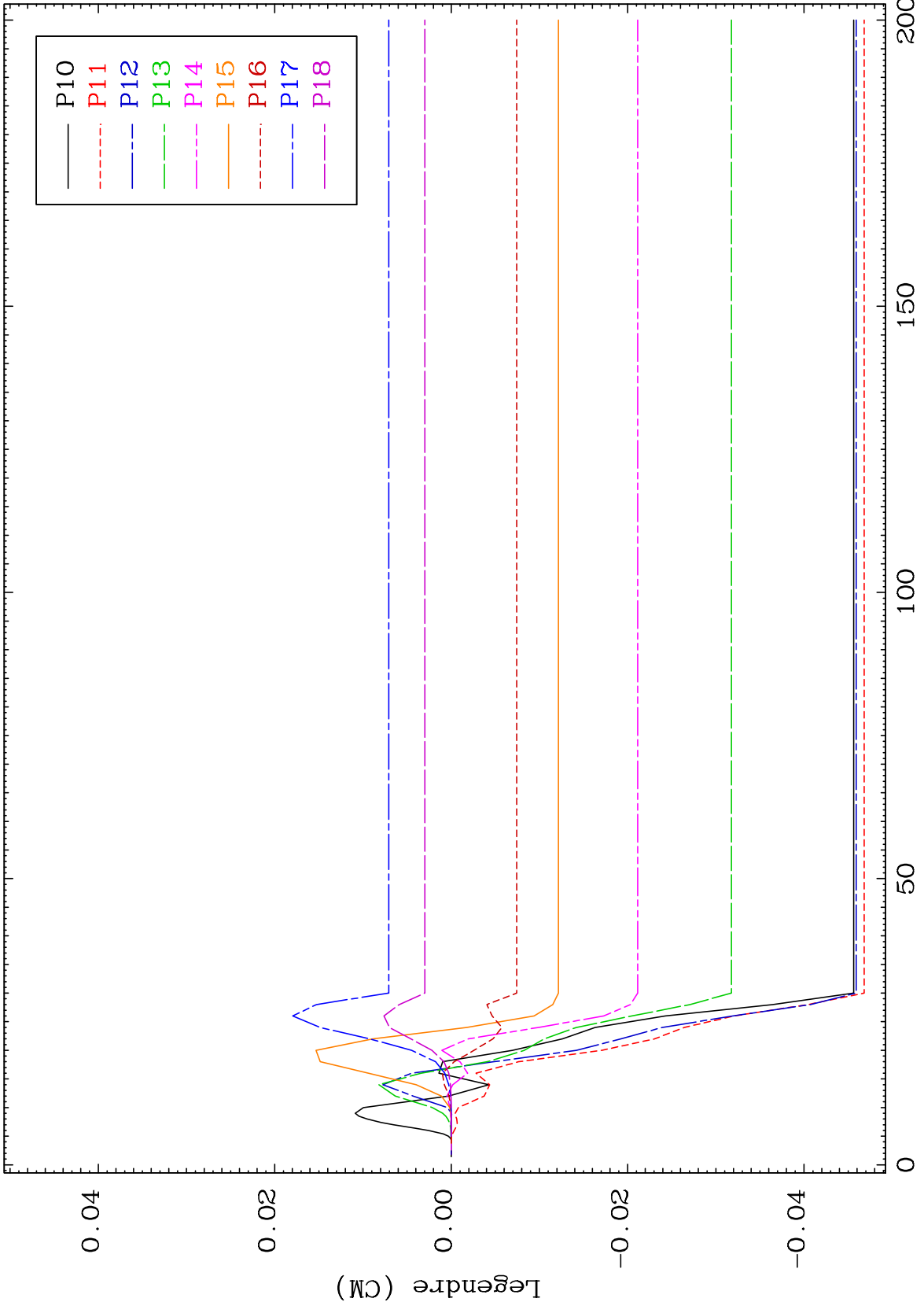


76 61-Pm-149

MAT 6155

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

61-Pm-149



77

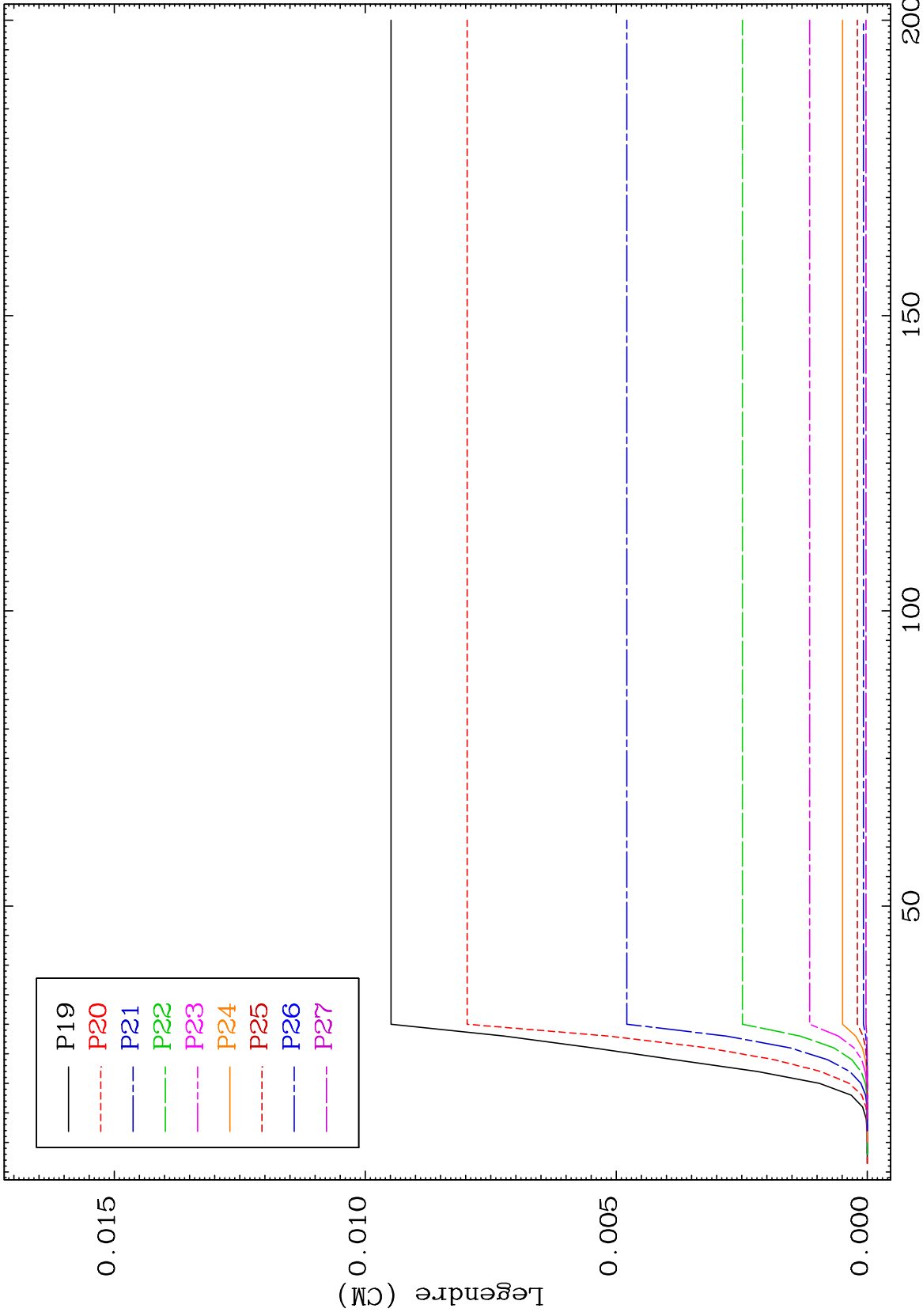
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



78

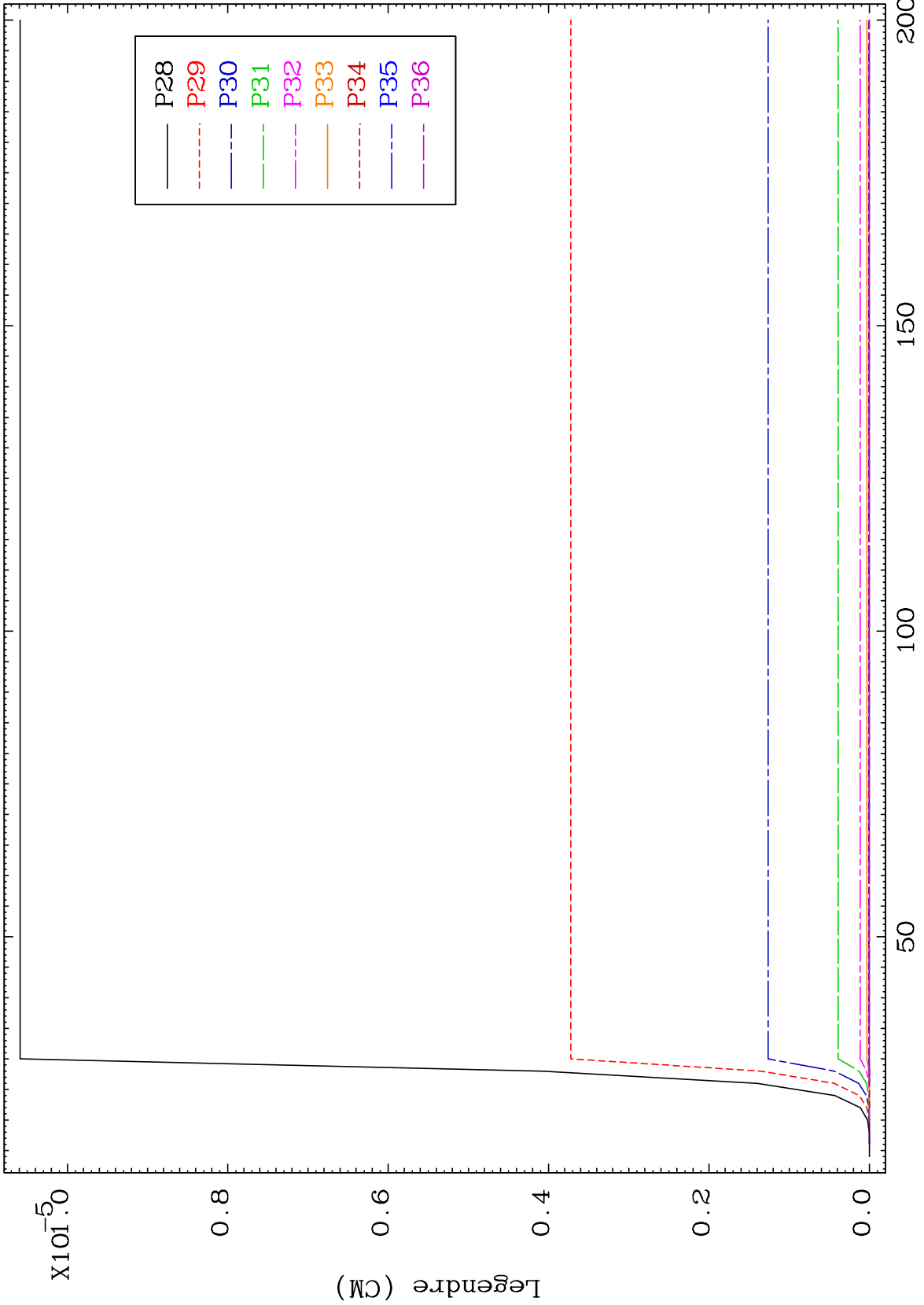
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



79

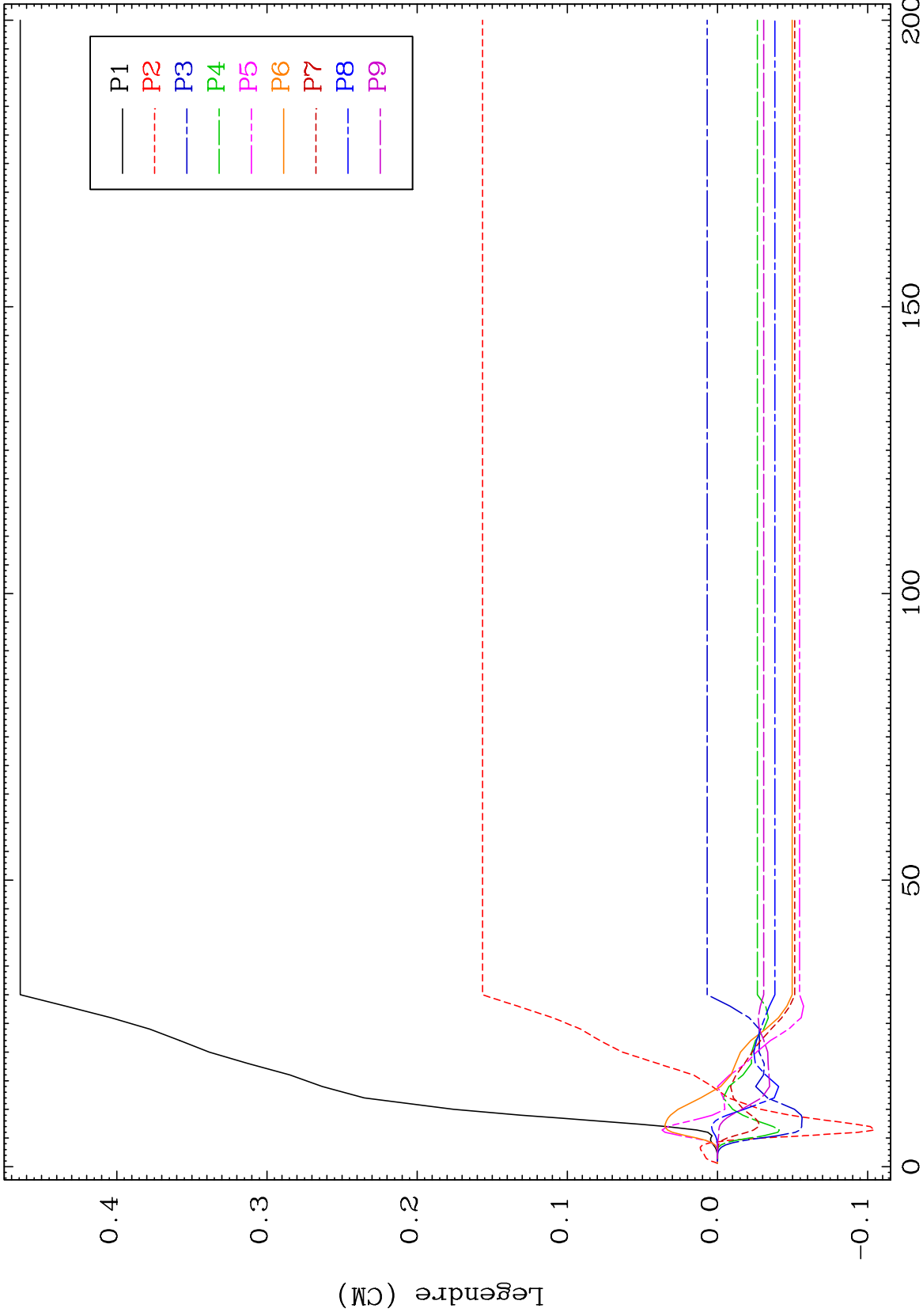
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



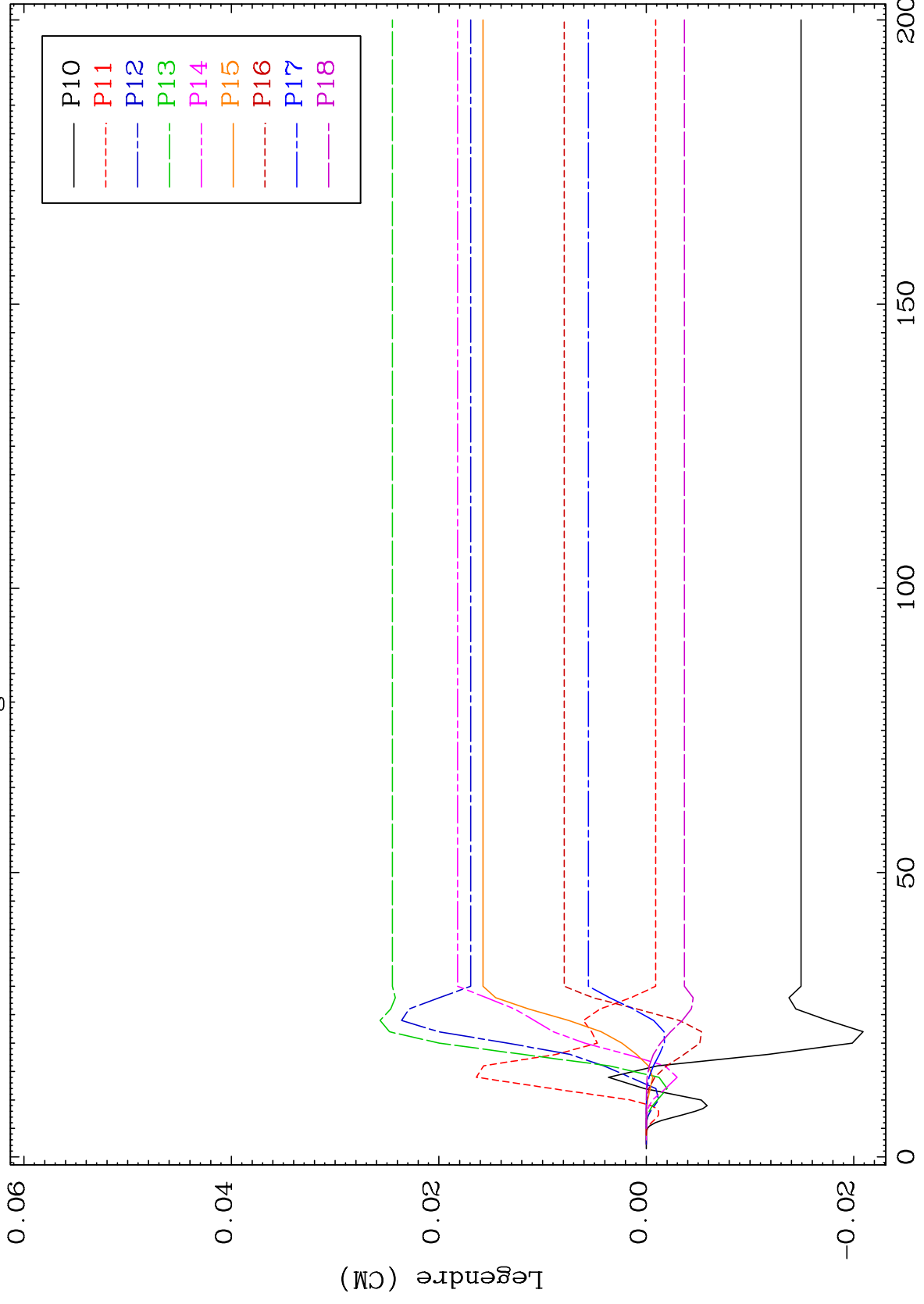
61-Pm-149

Incident Energy (MeV)

80

200

MAT 6155 MT= 66 (n,n') Level Legendre Coefficients 61-Pm-149

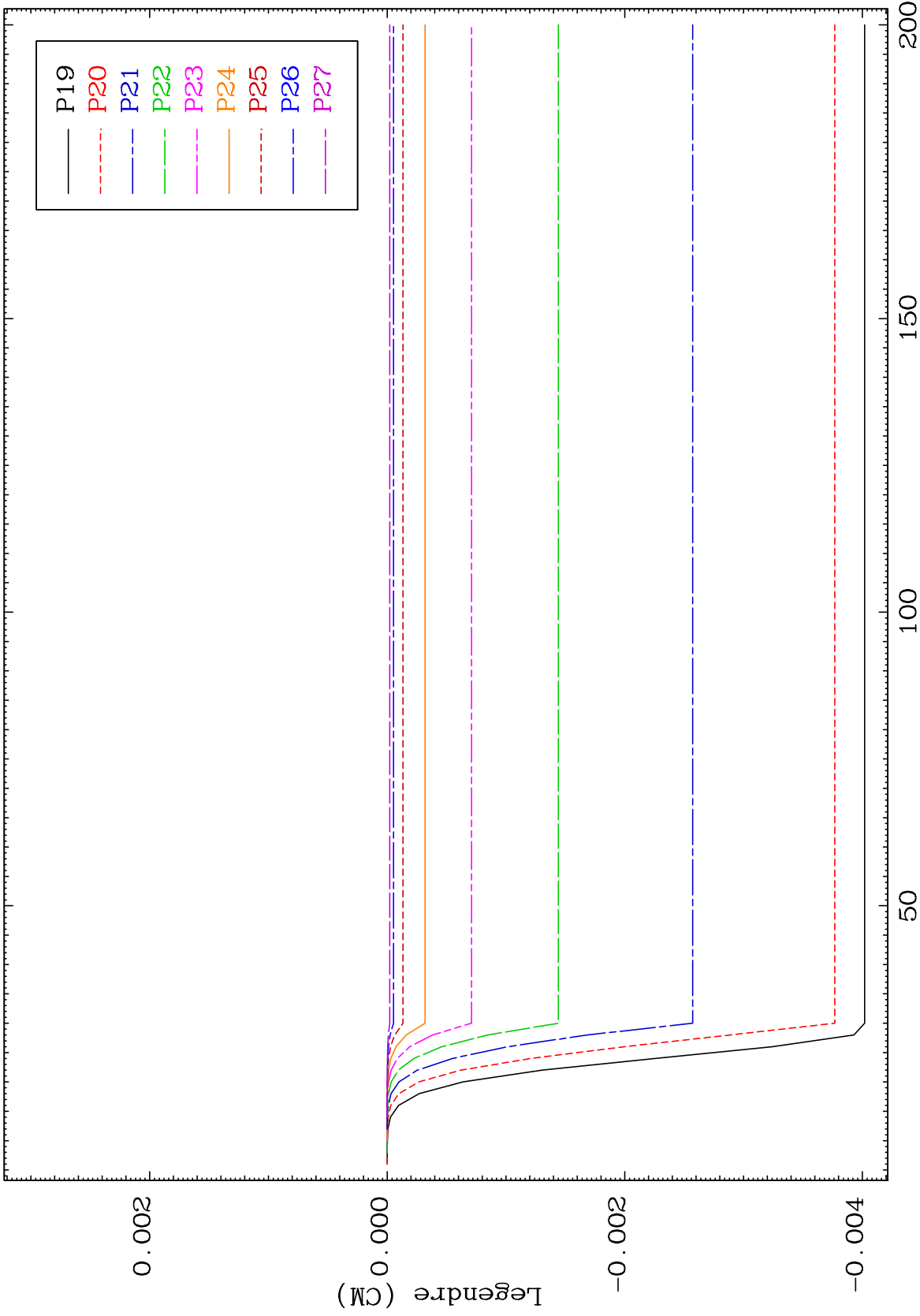


81 61-Pm-149

MAT 6155

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

61-Pm-149



82

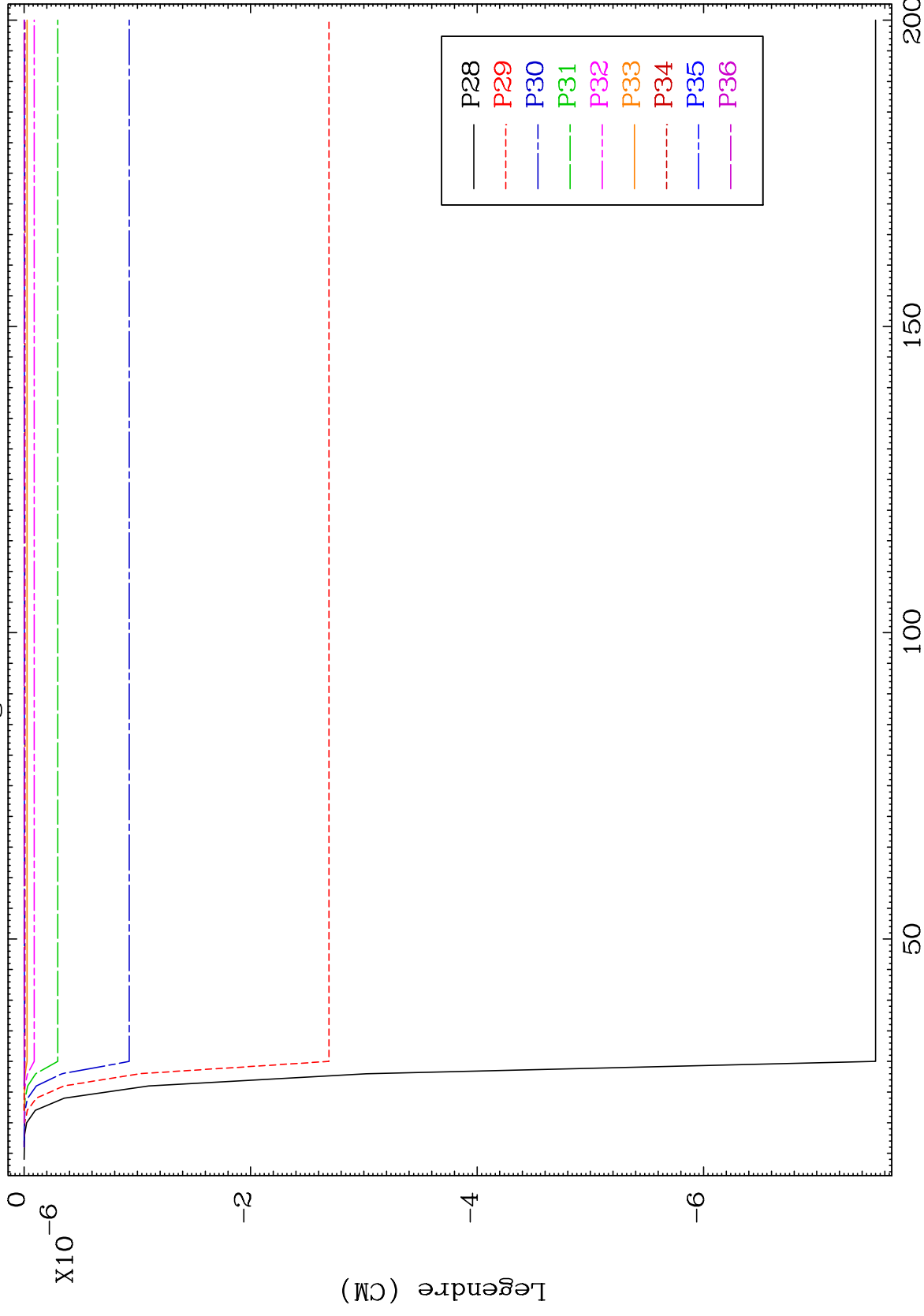
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



61-Pm-149

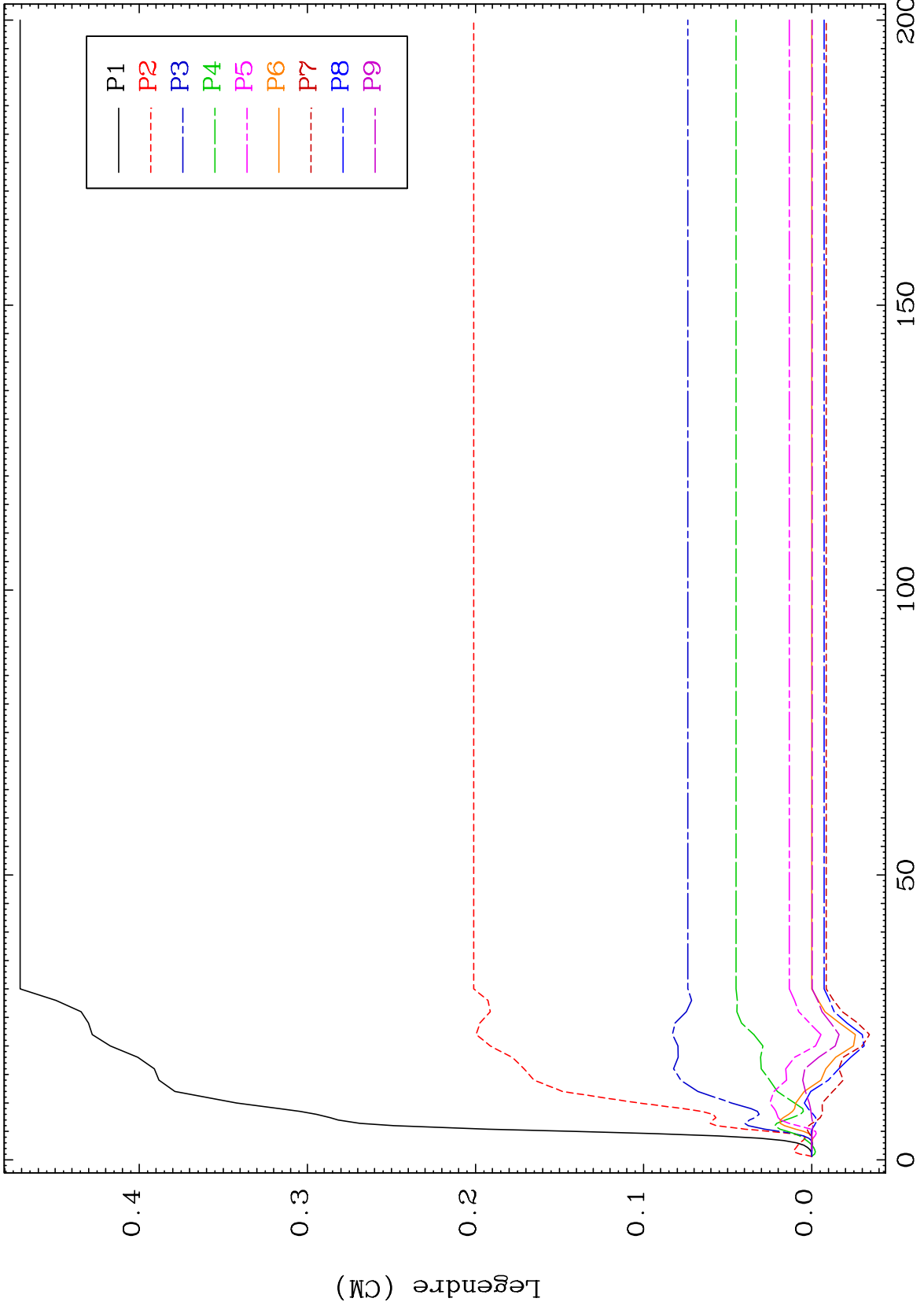
Incident Energy (MeV)

83

MAT 6155

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

61-Pm-149



84

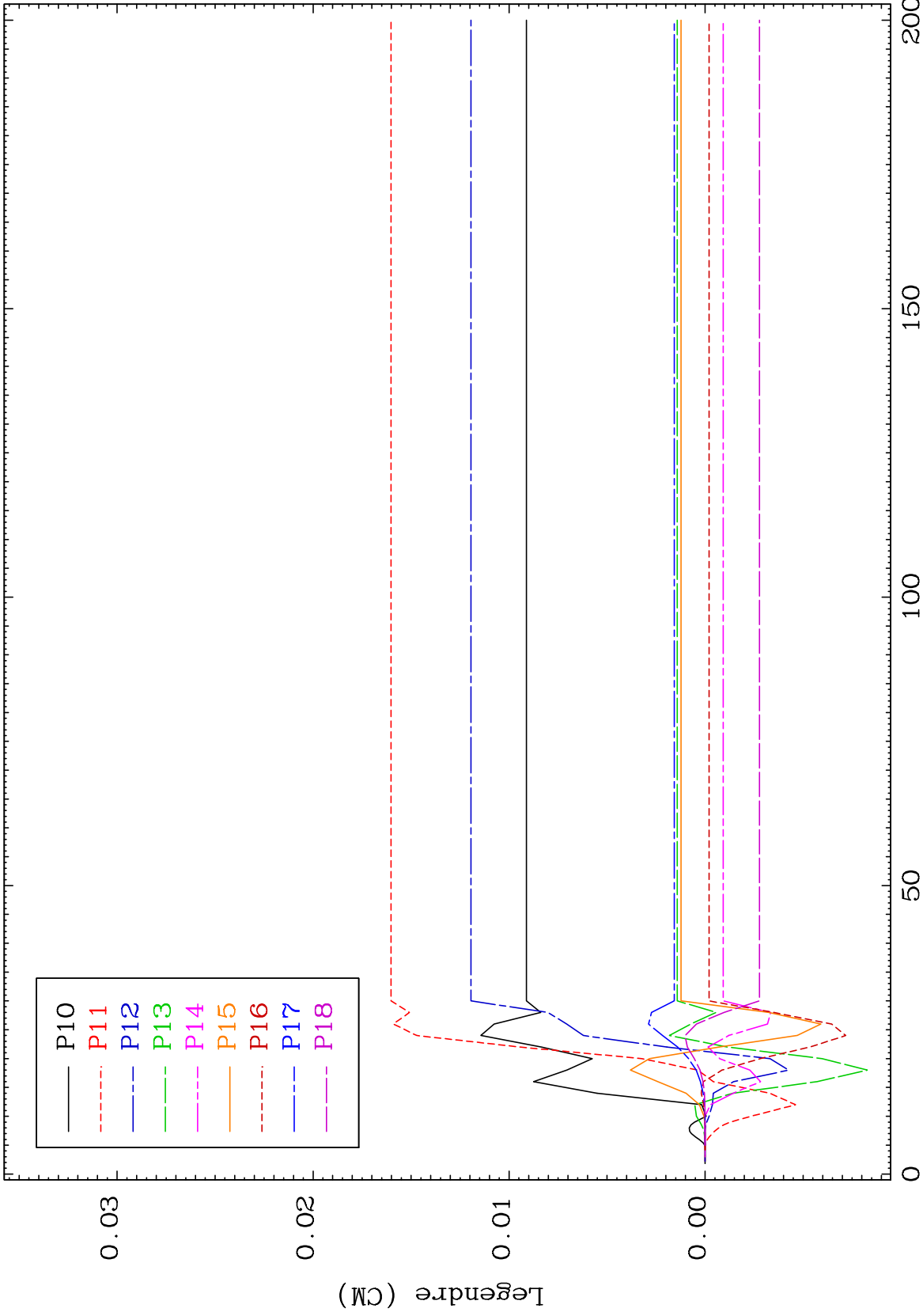
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

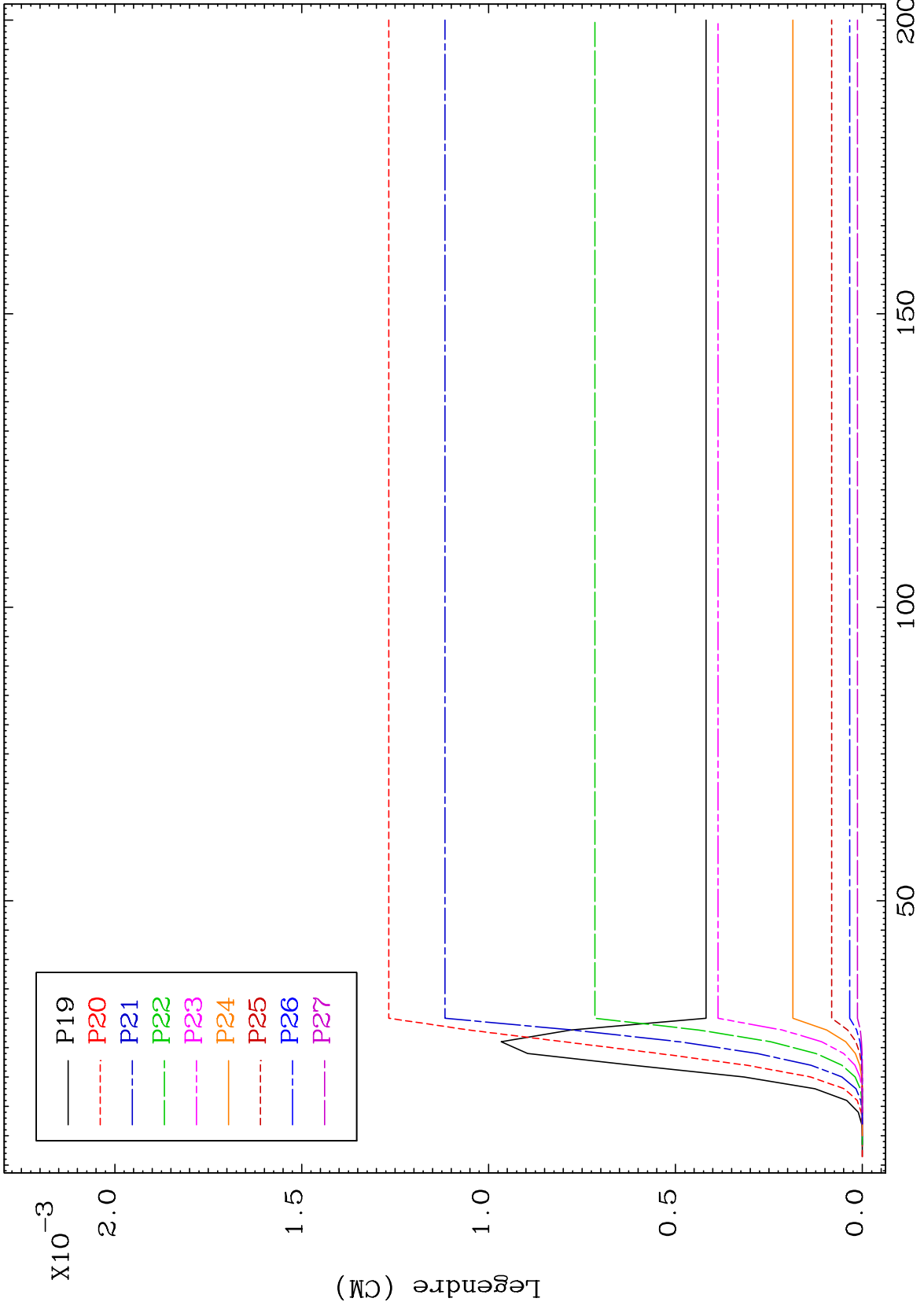
61-Pm-149



85

Incident Energy (MeV)

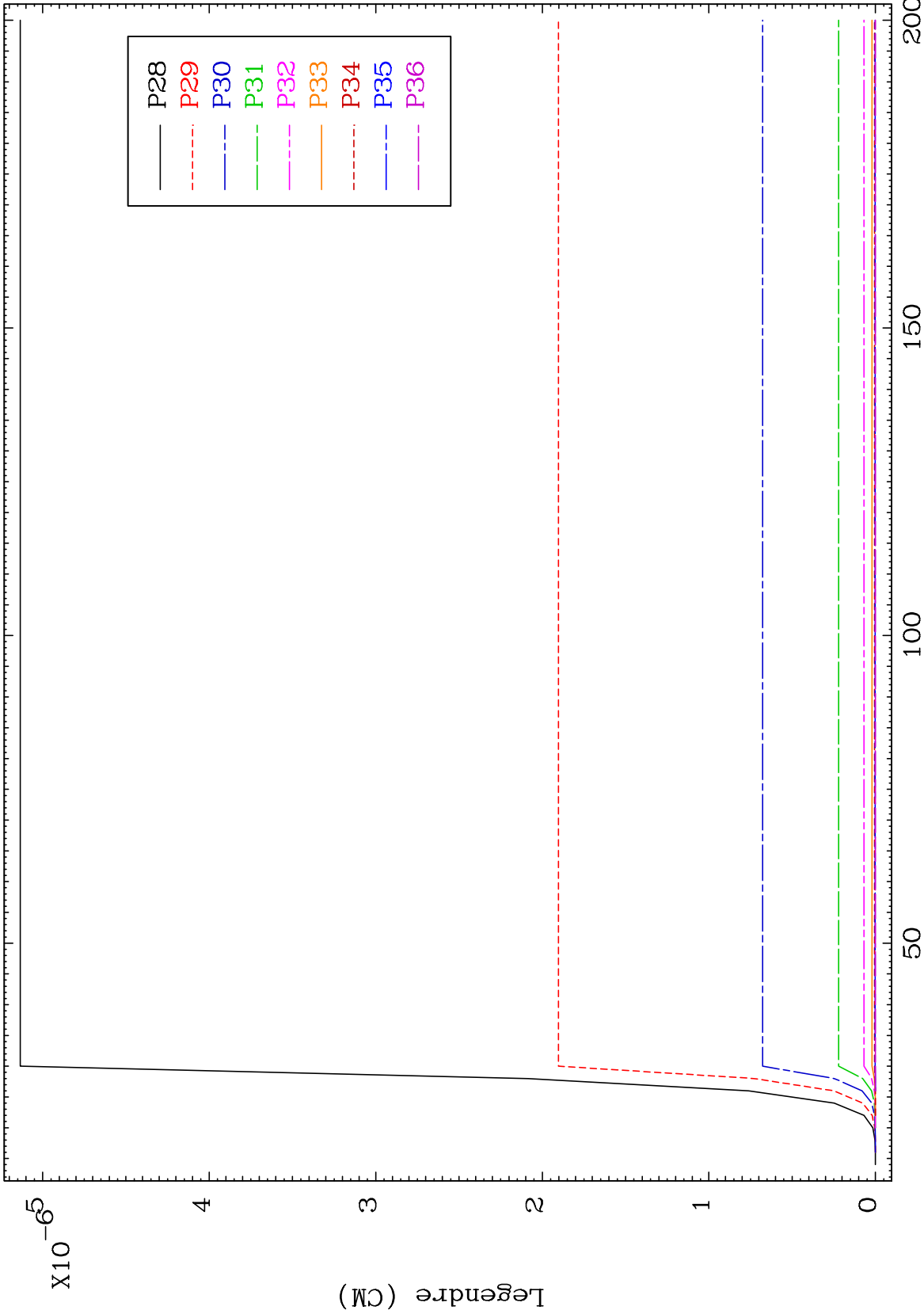
61-Pm-149



MAT 6155

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

61-Pm-149



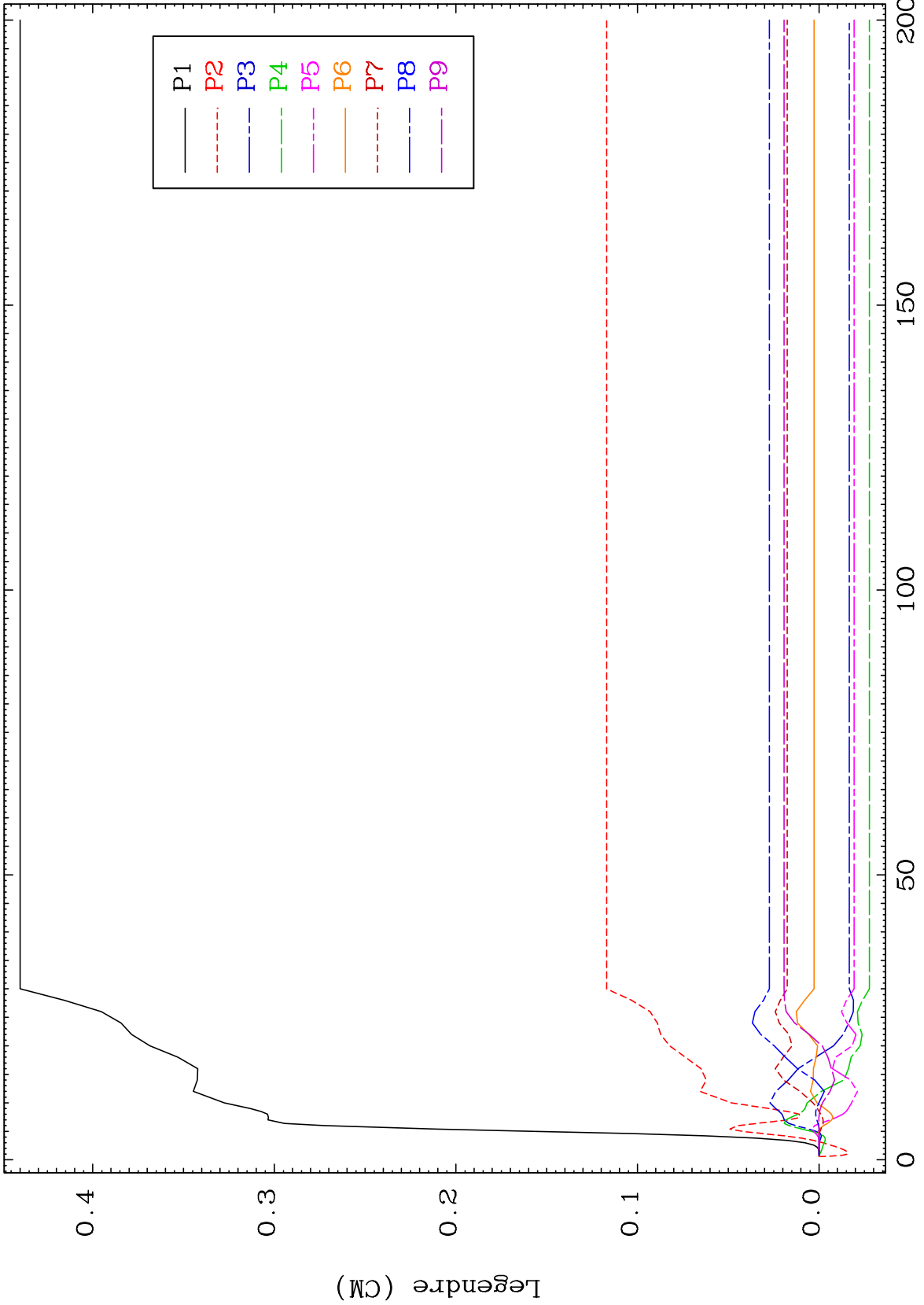
87

61-Pm-149

MAT 6155

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

61-Pm-149



88

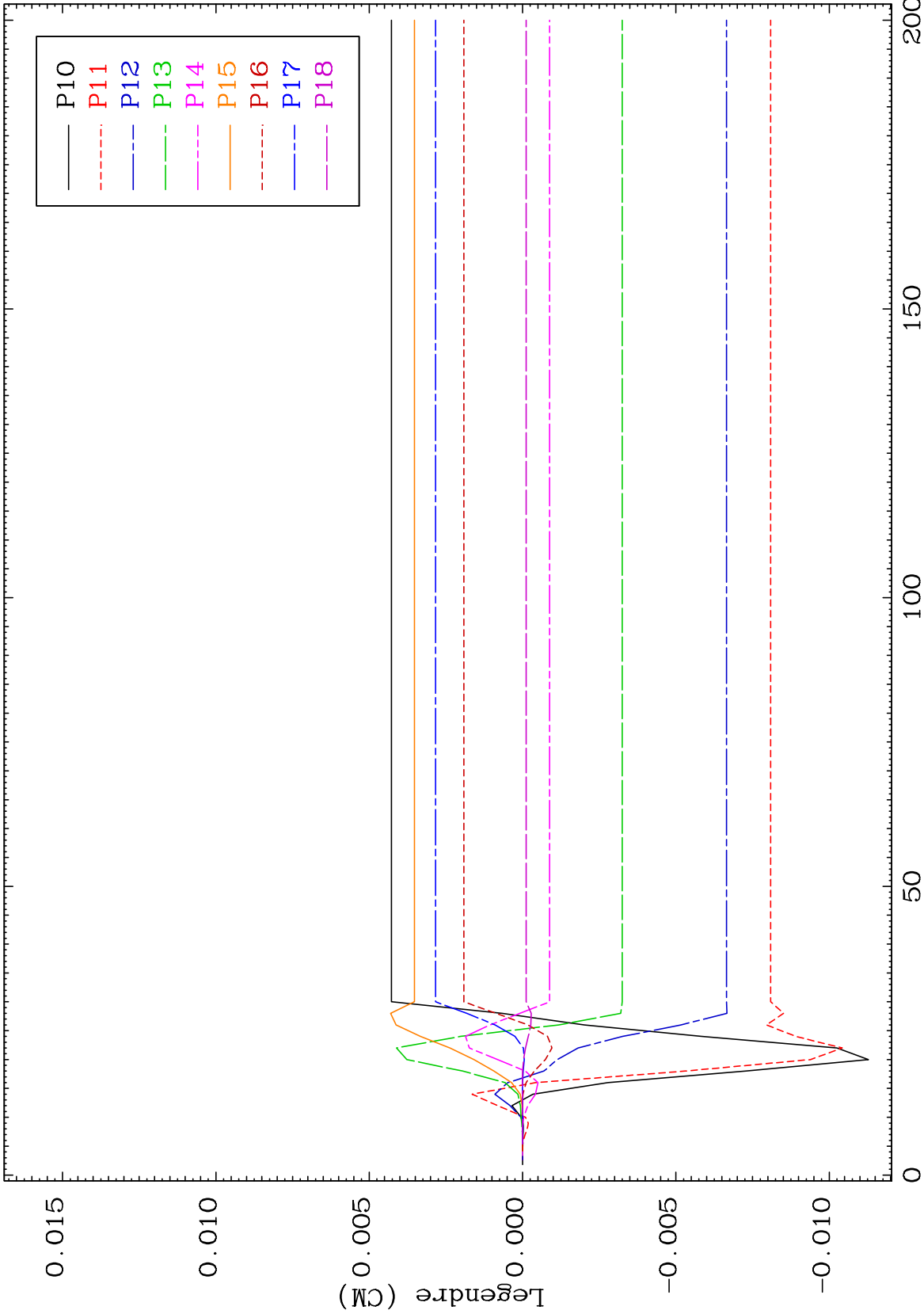
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149

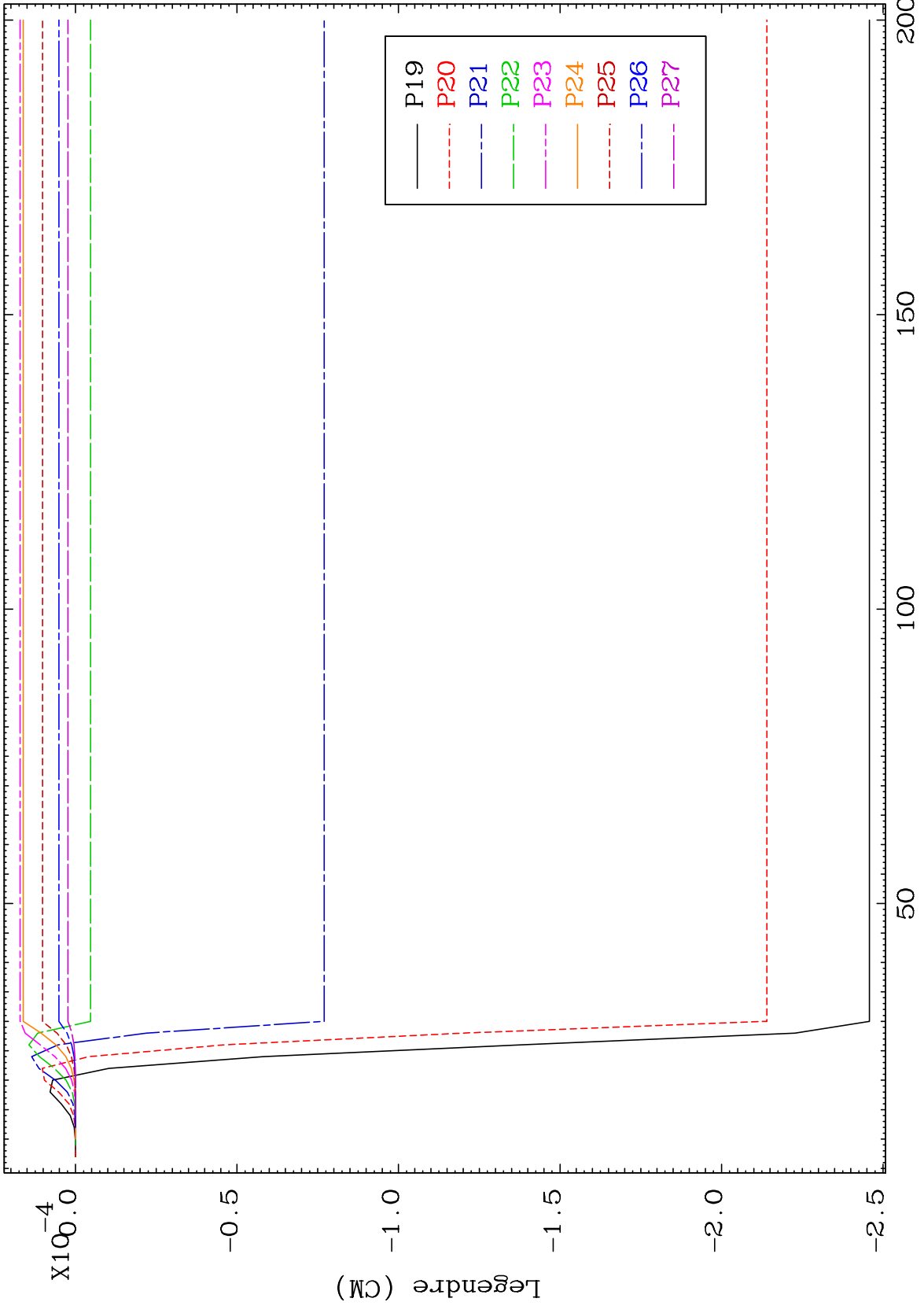


89

Incident Energy (MeV)

61-Pm-149

MAT 6155 MT= 68 (n,n') Level Legendre Coefficients 61-Pm-149

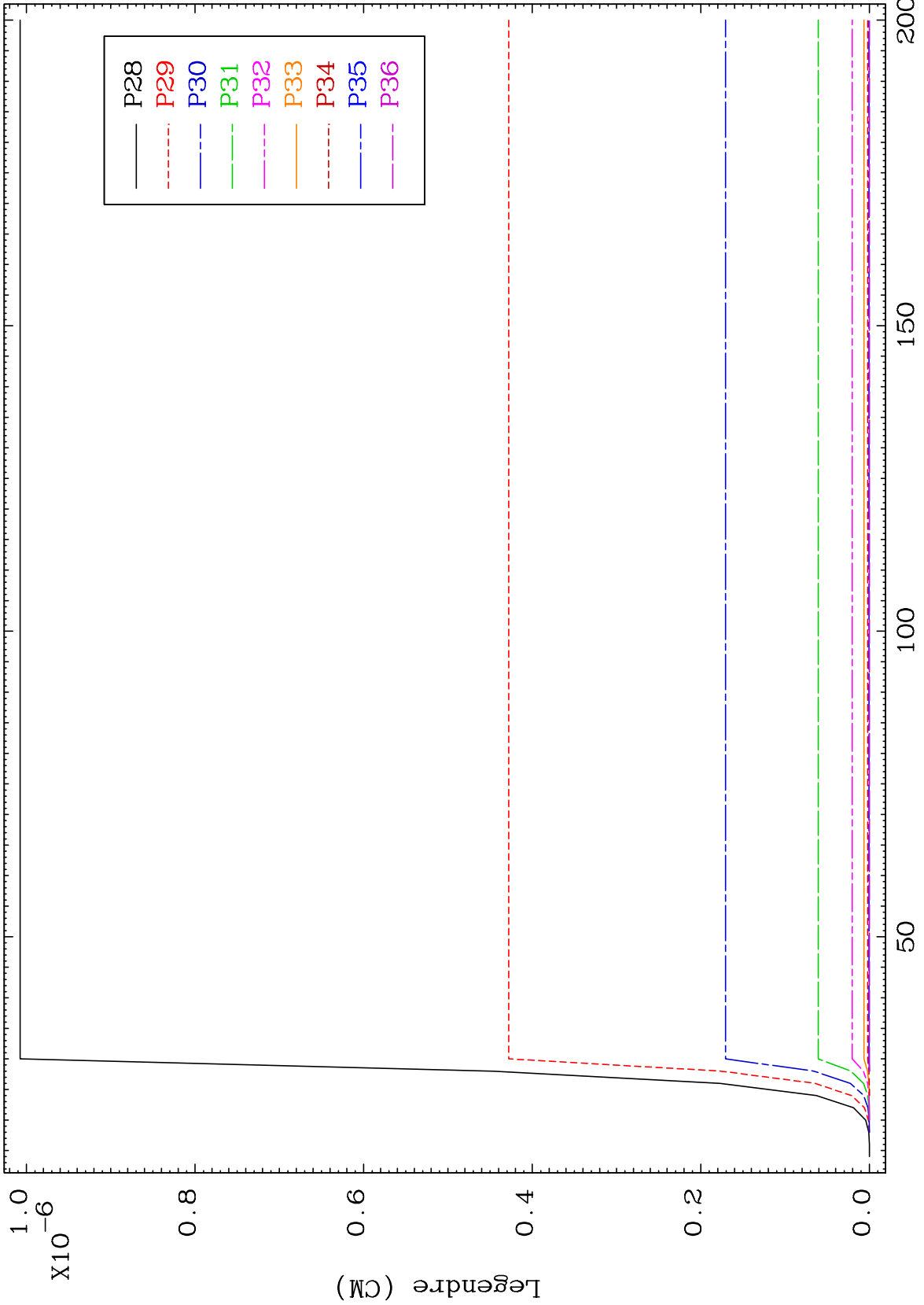


90 Incident Energy (MeV) 61-Pm-149

MAT 6155

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

61-Pm-149



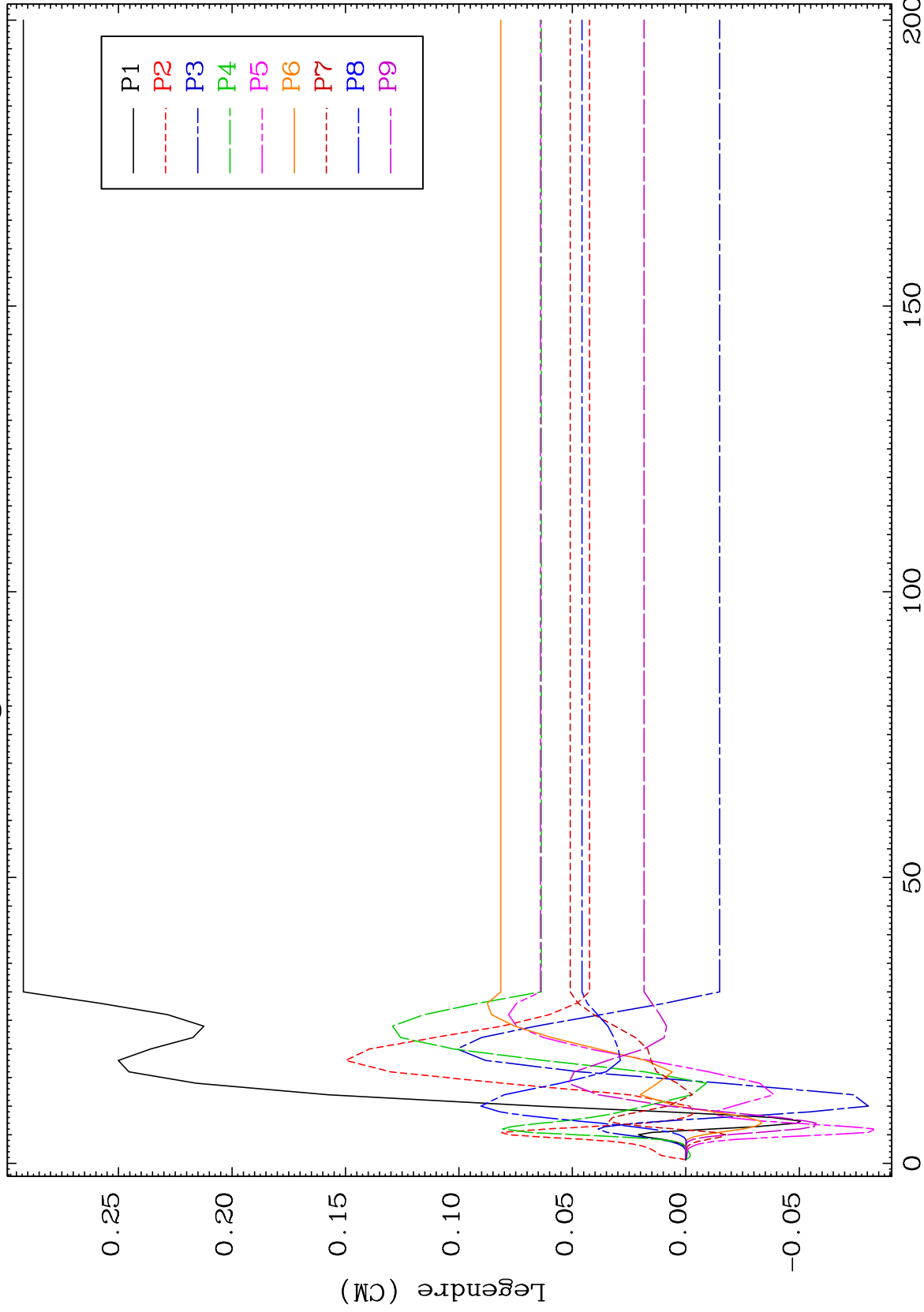
91

61-Pm-149

MAT 6155

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

61-Pm-149



92

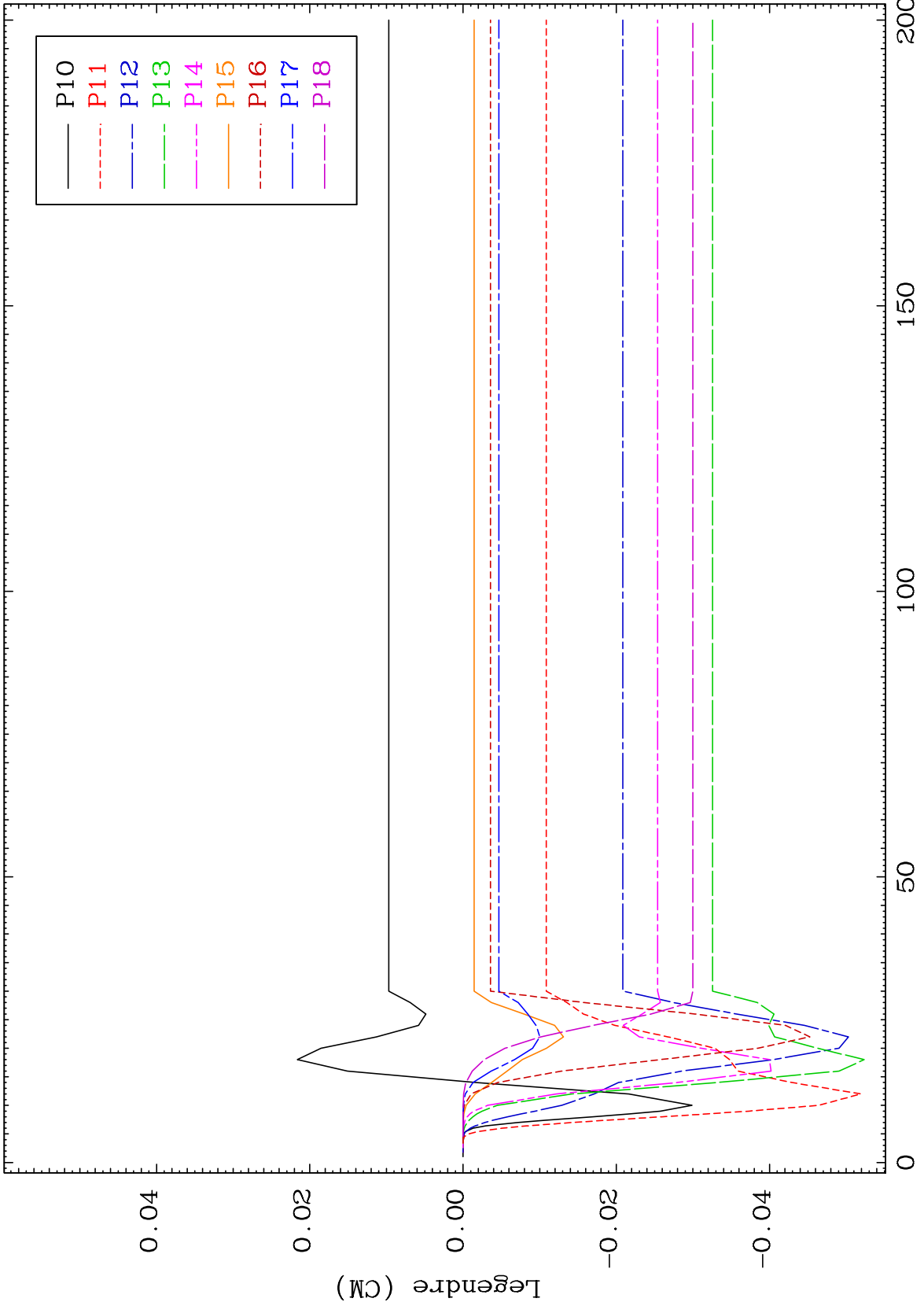
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



93

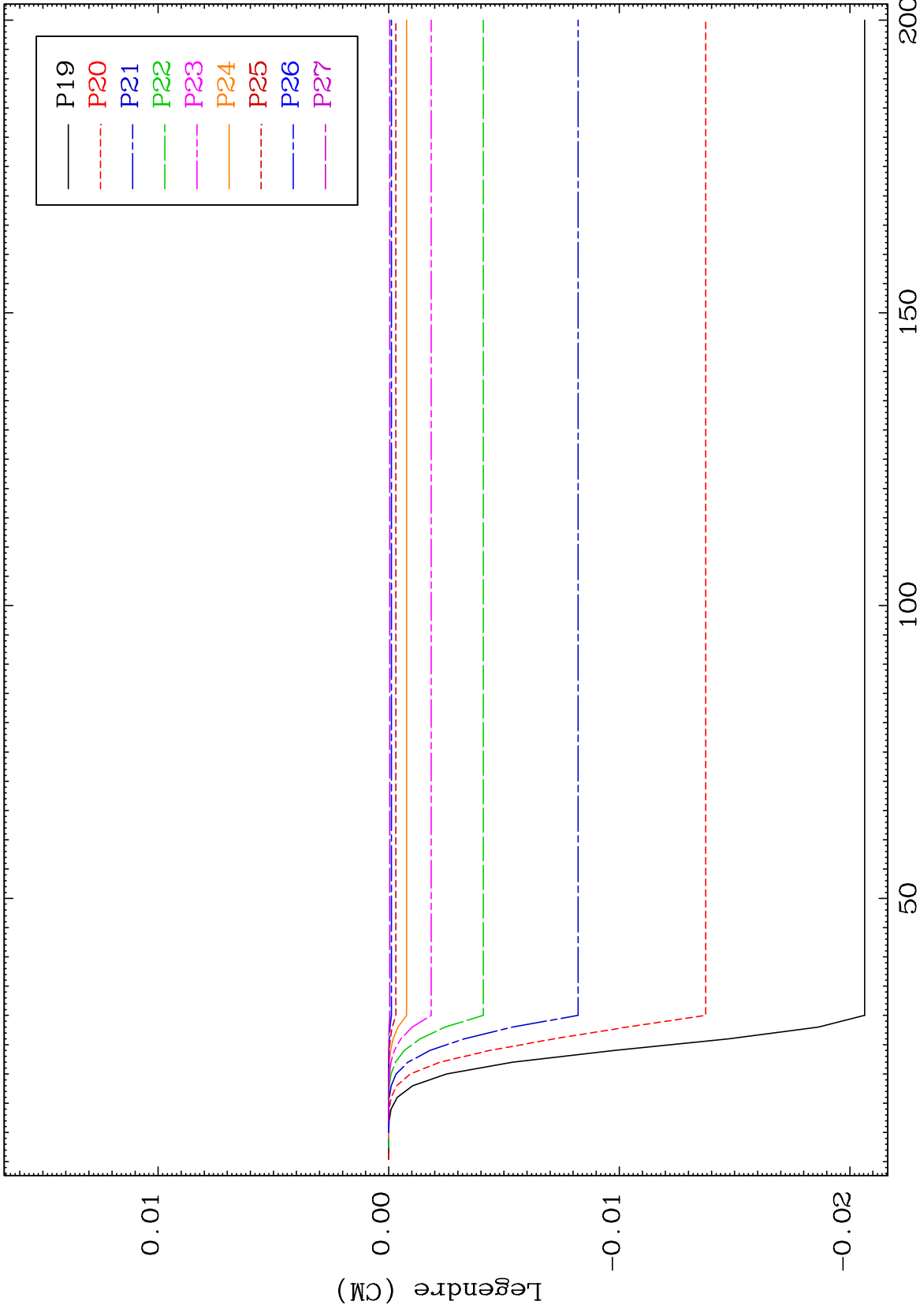
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



94

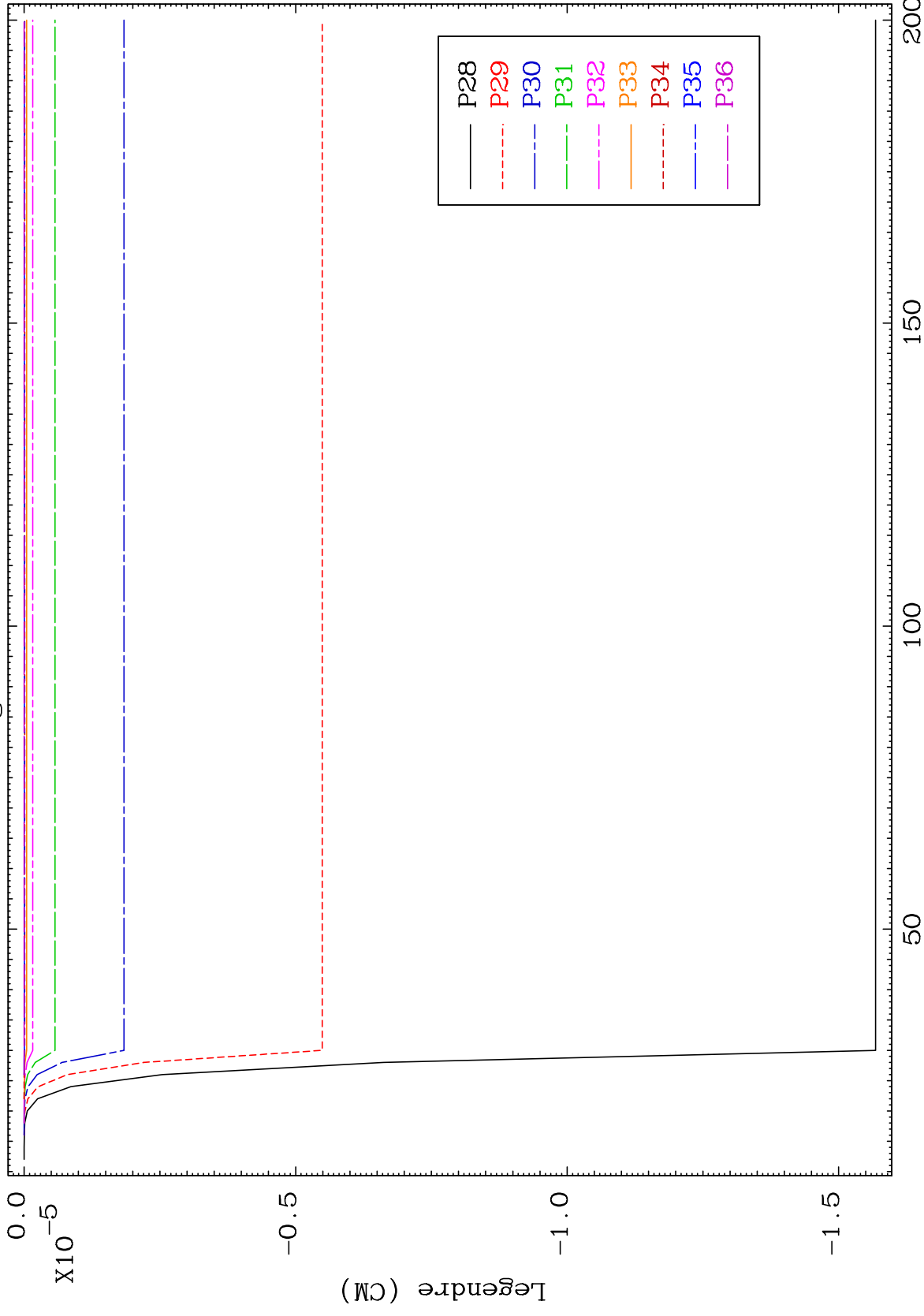
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



61-Pm-149

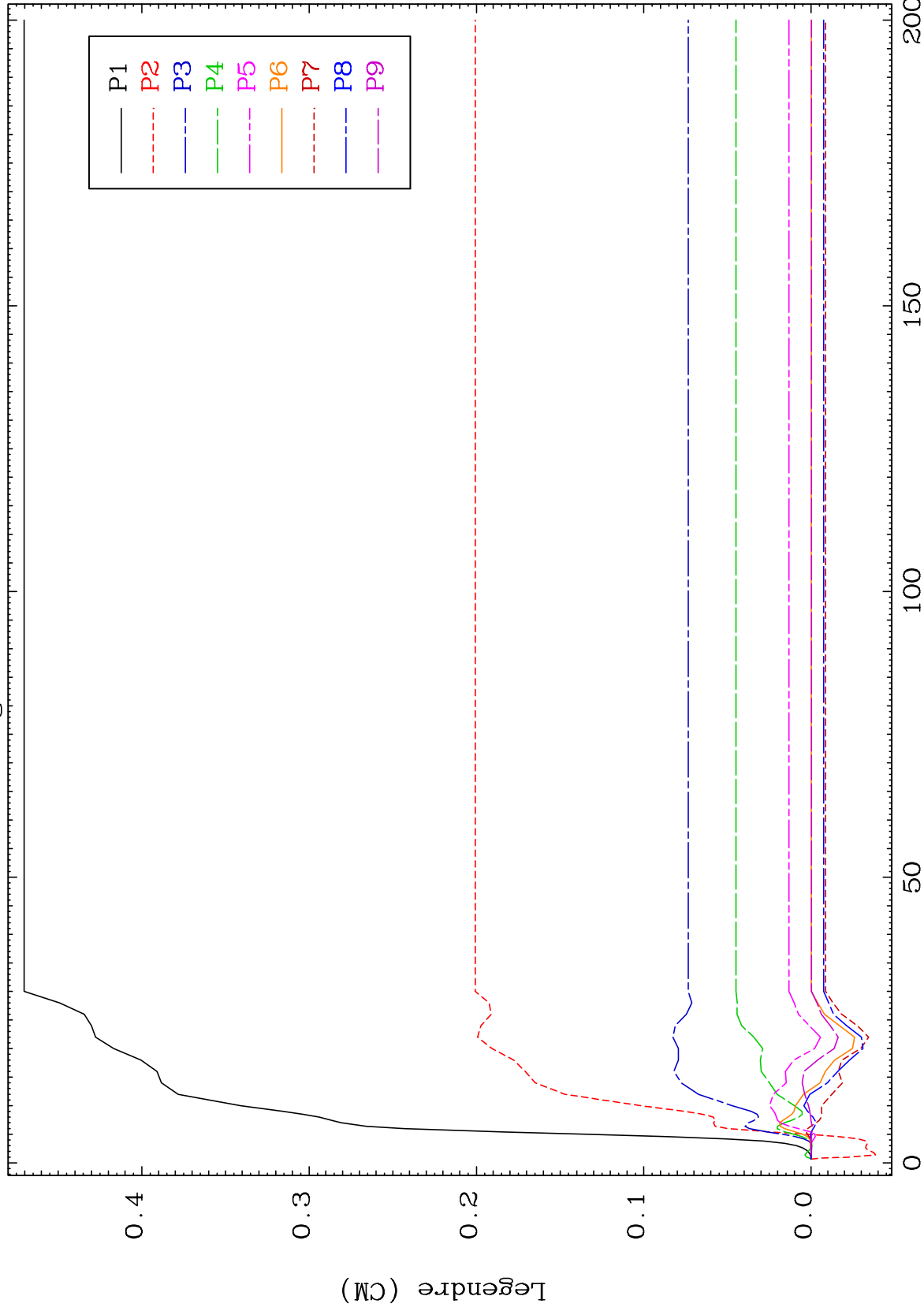
Incident Energy (MeV)

95

MAT 6155

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

61-Pm-149



96

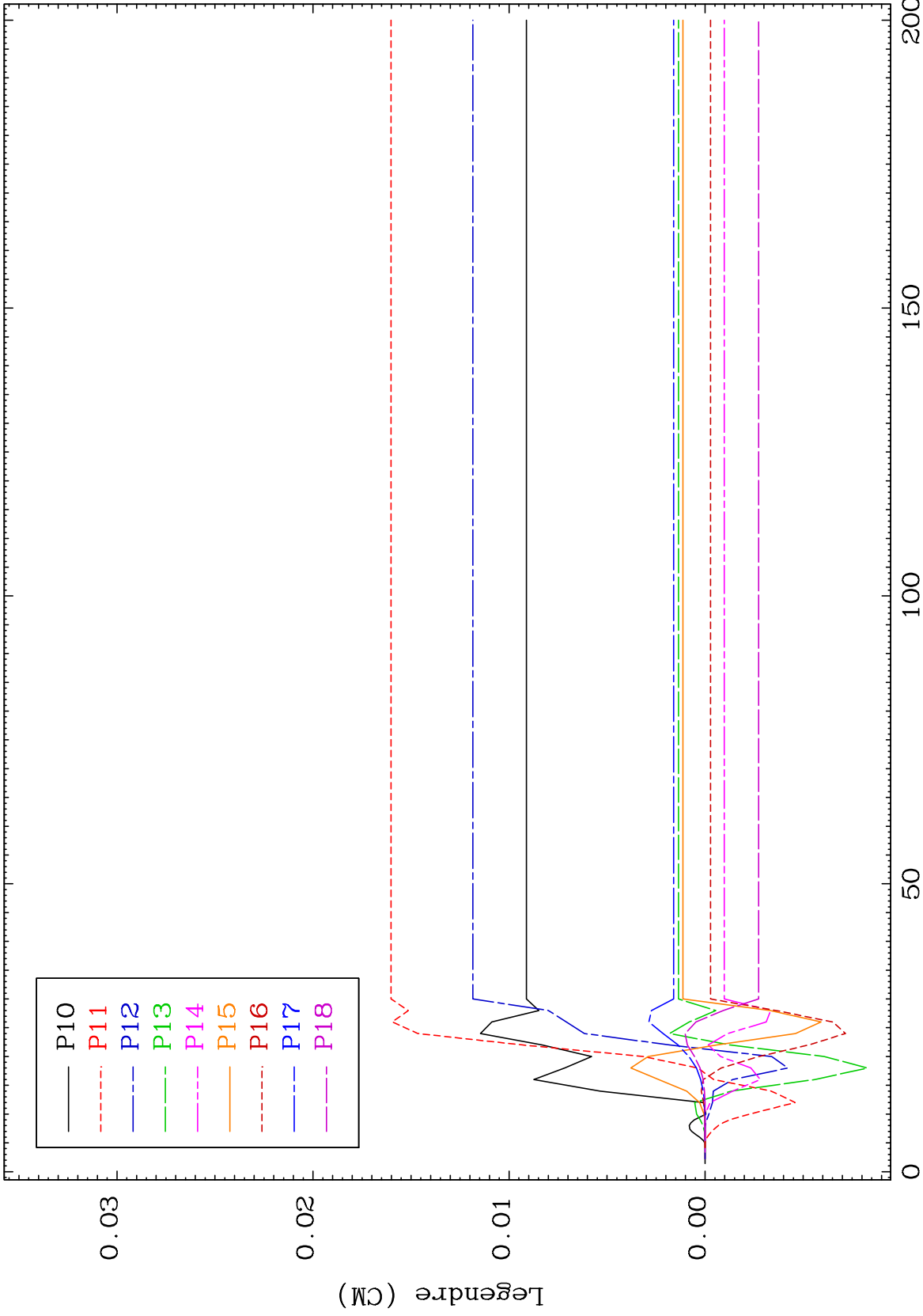
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



97

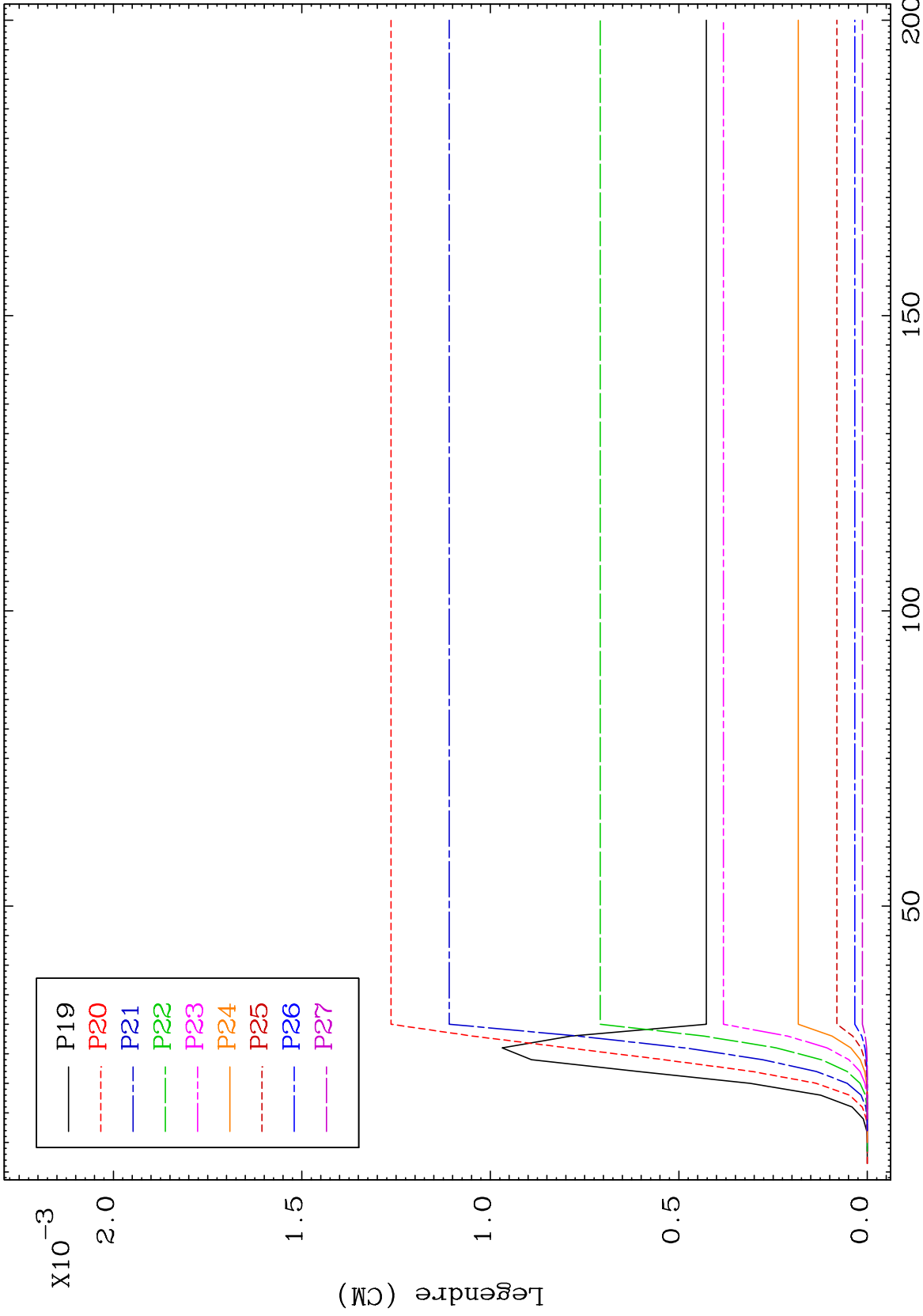
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



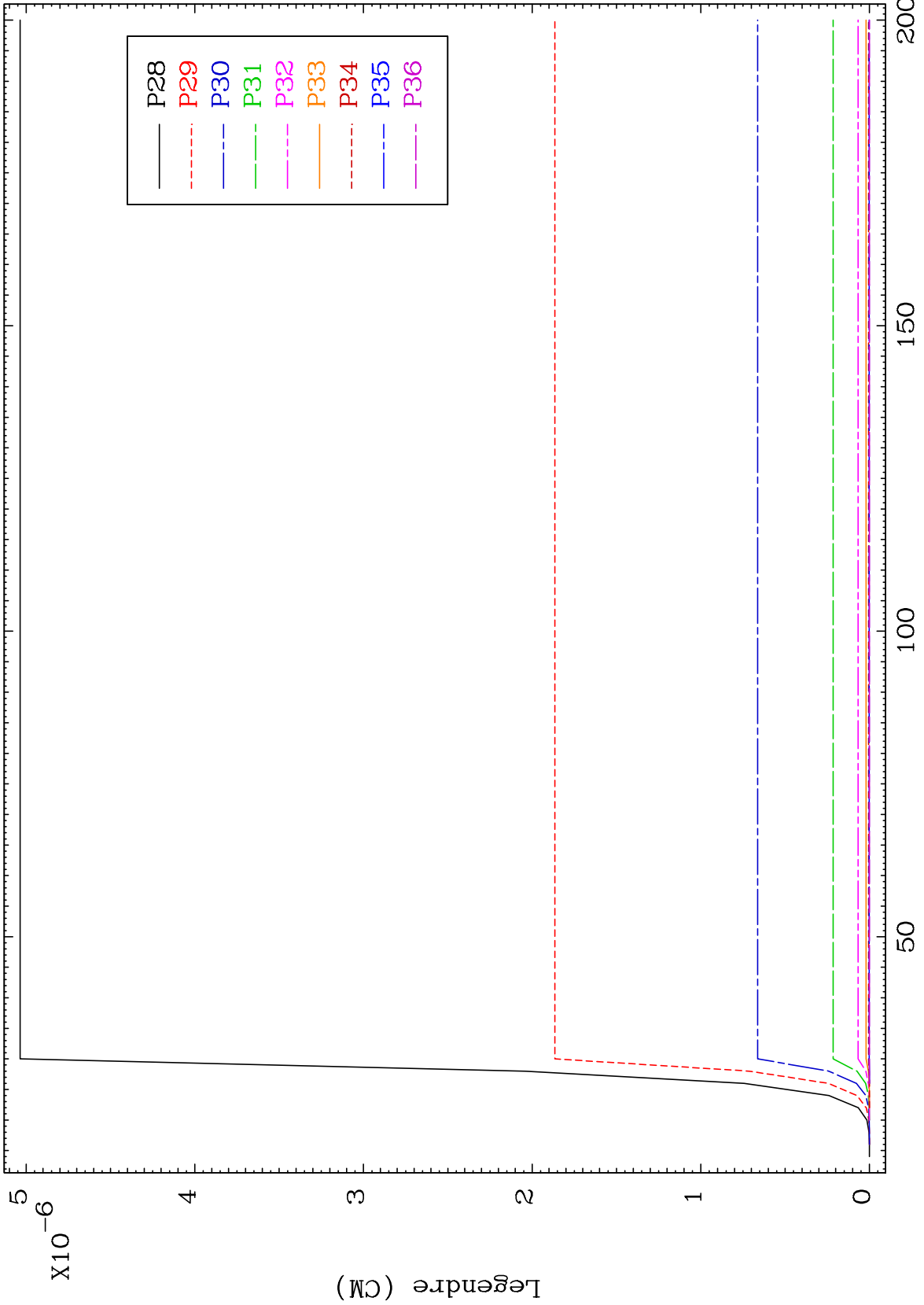
98

61-Pm-149

MAT 6155

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

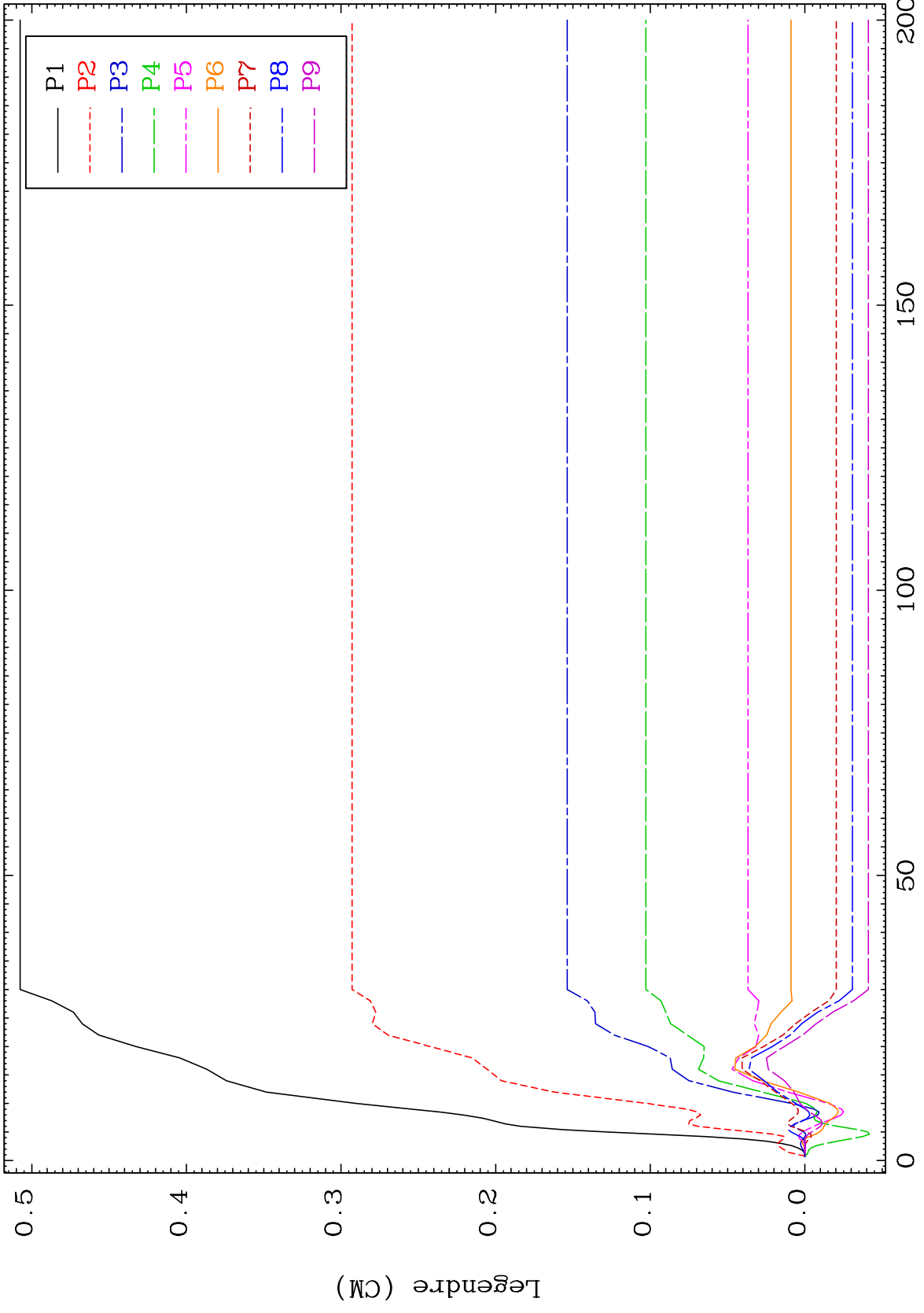
61-Pm-149



99

61-Pm-149

MAT 6155 MT= 71 (n,n') Level Legendre Coefficients 61-Pm-149

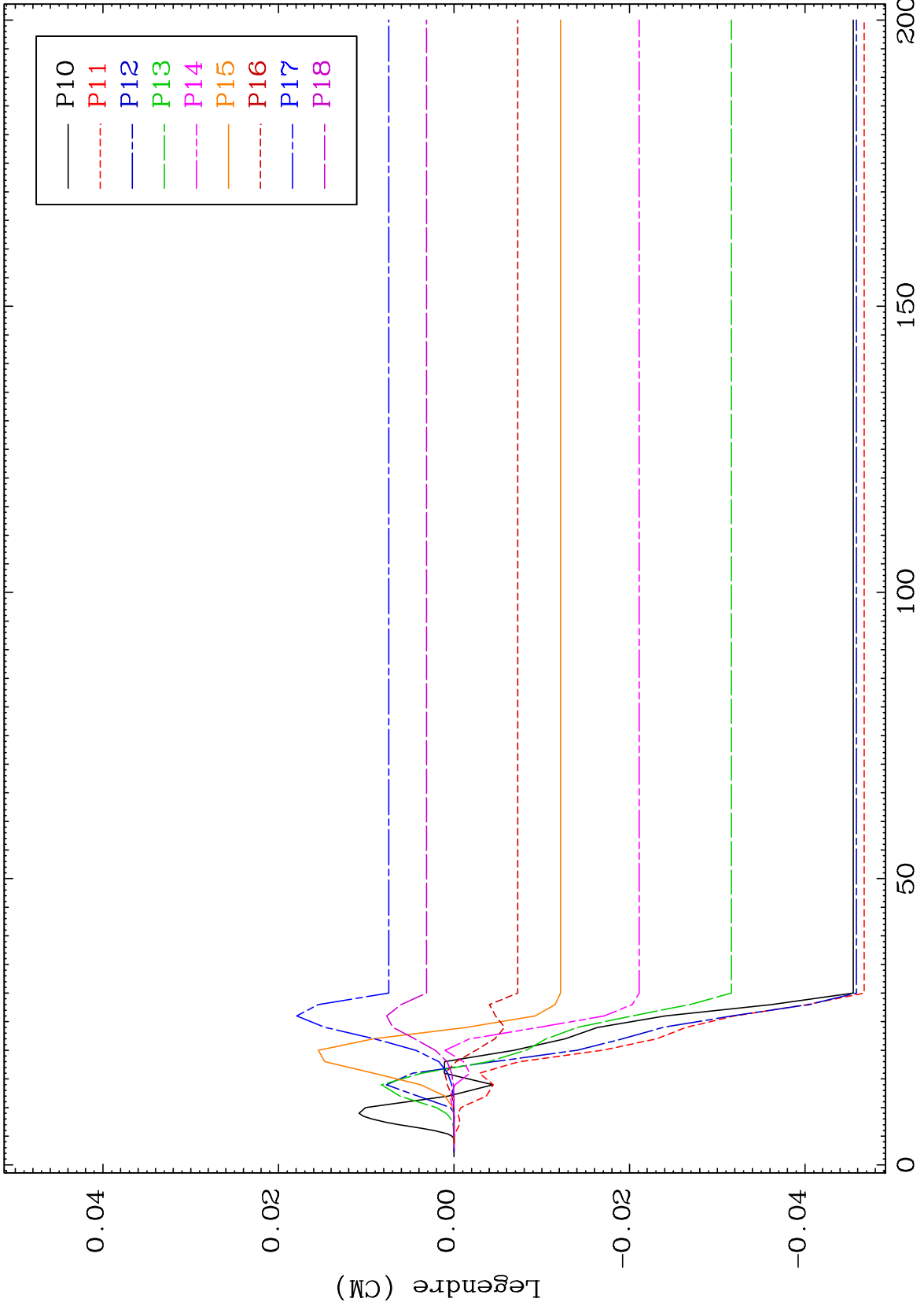


61-Pm-149

MAT 6155

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

61-Pm-149



101

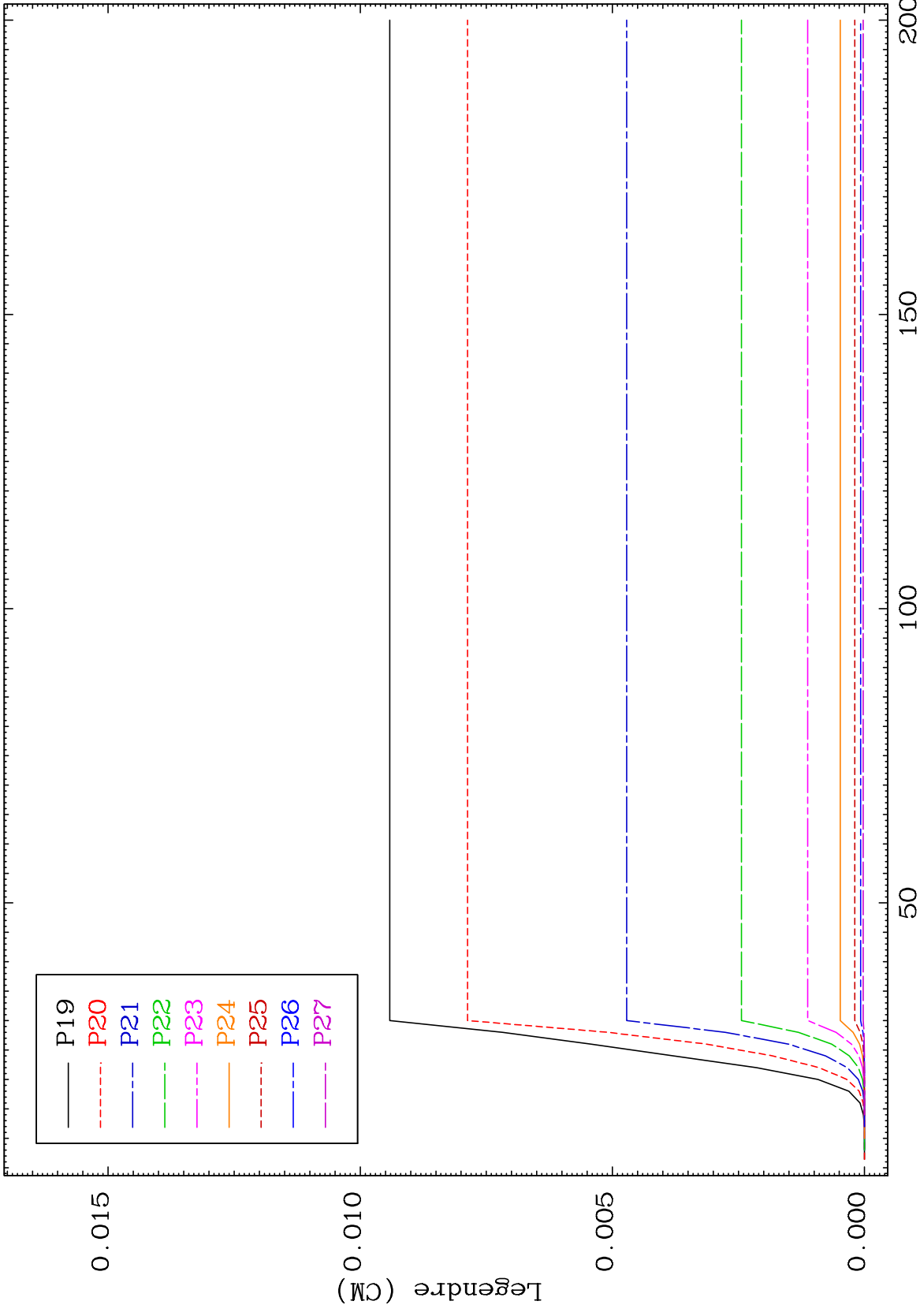
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



102

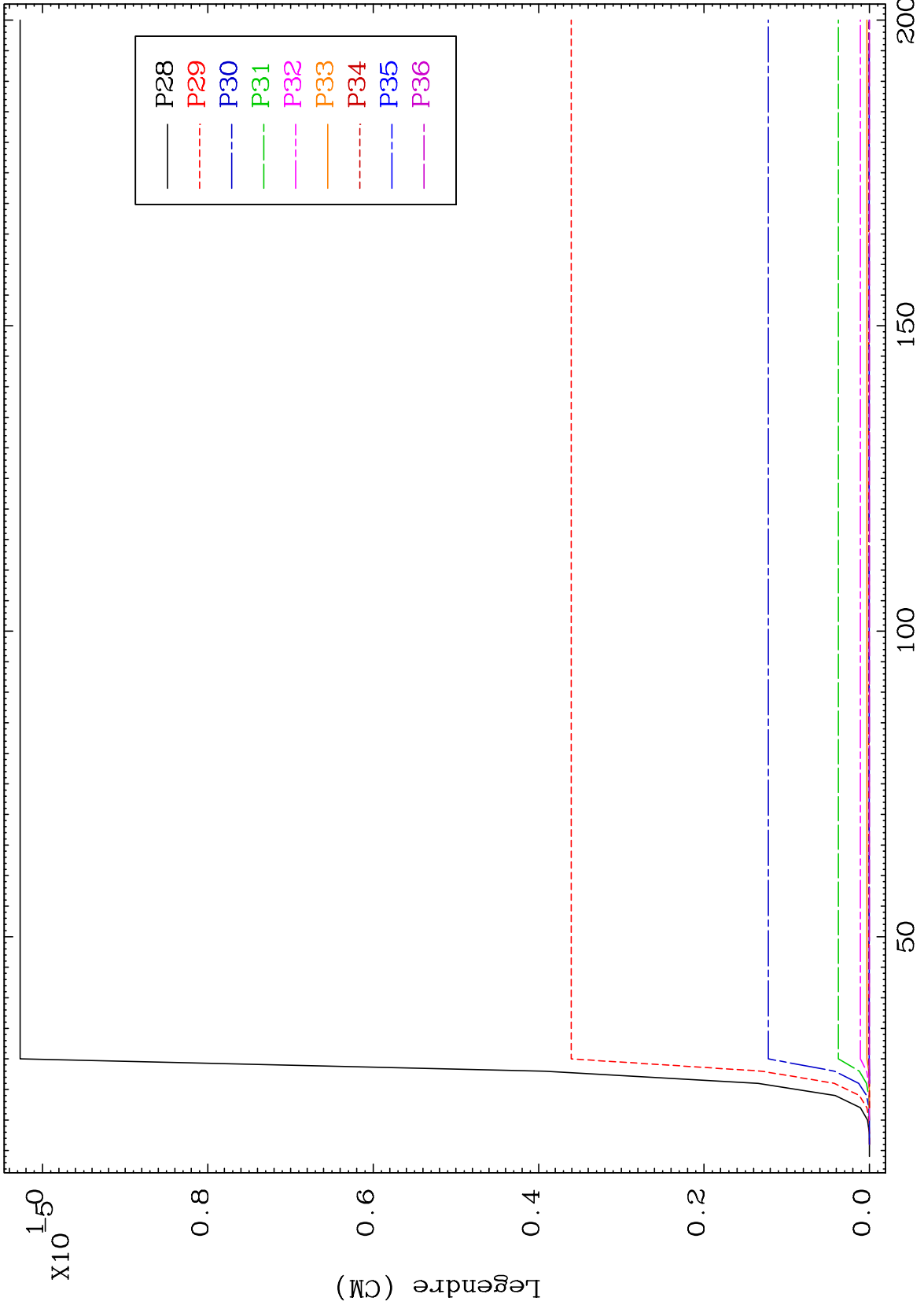
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



103

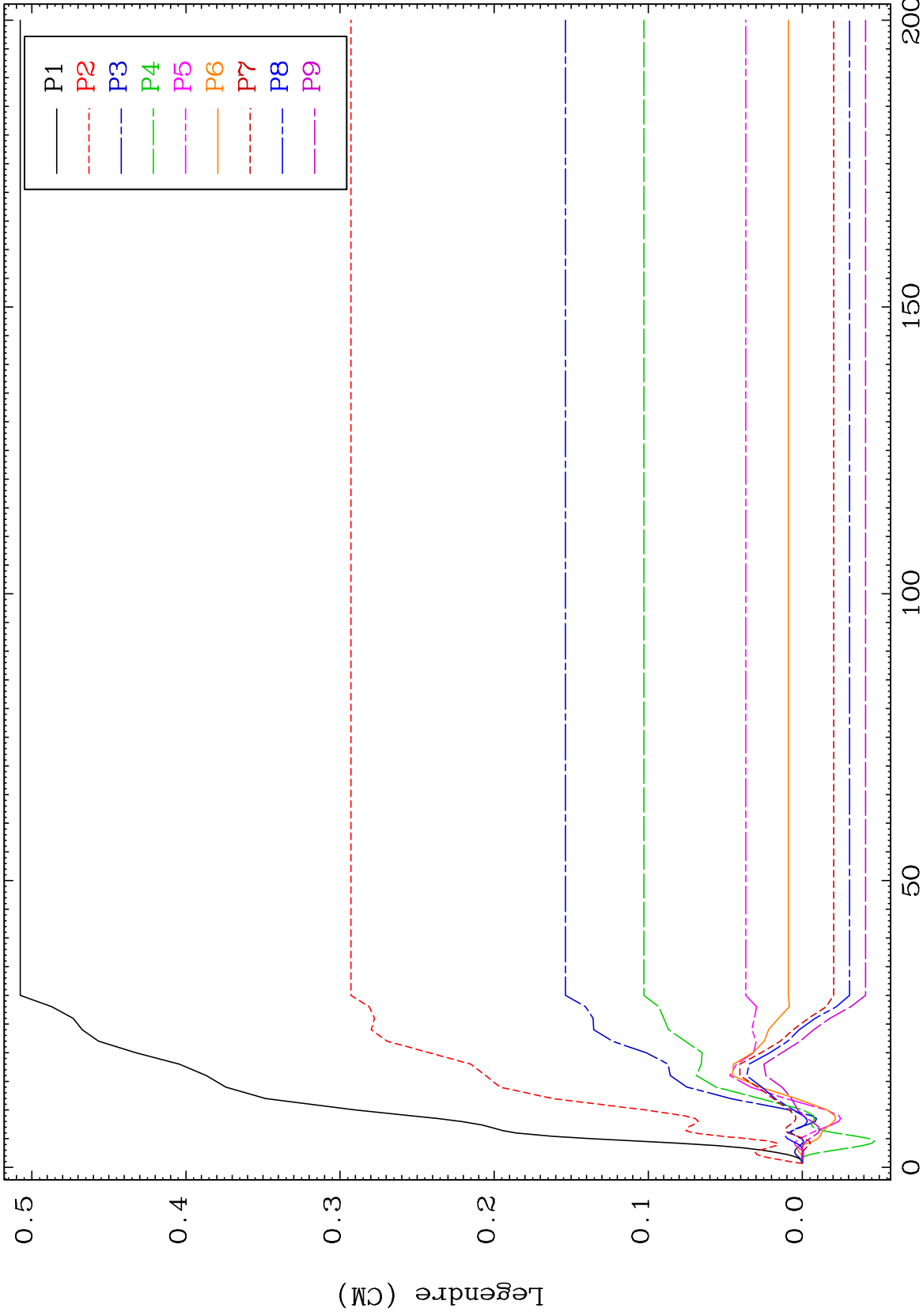
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



104

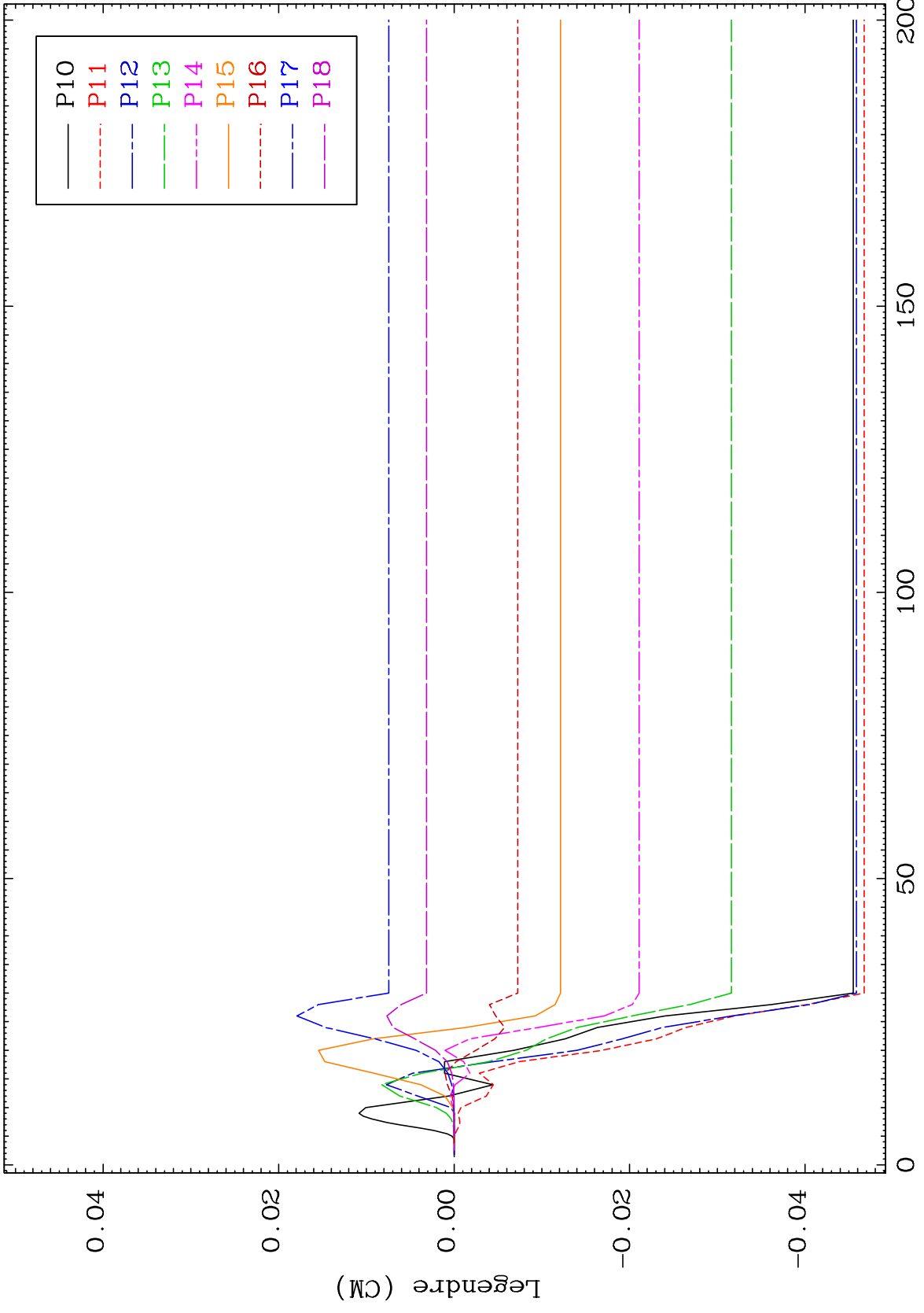
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

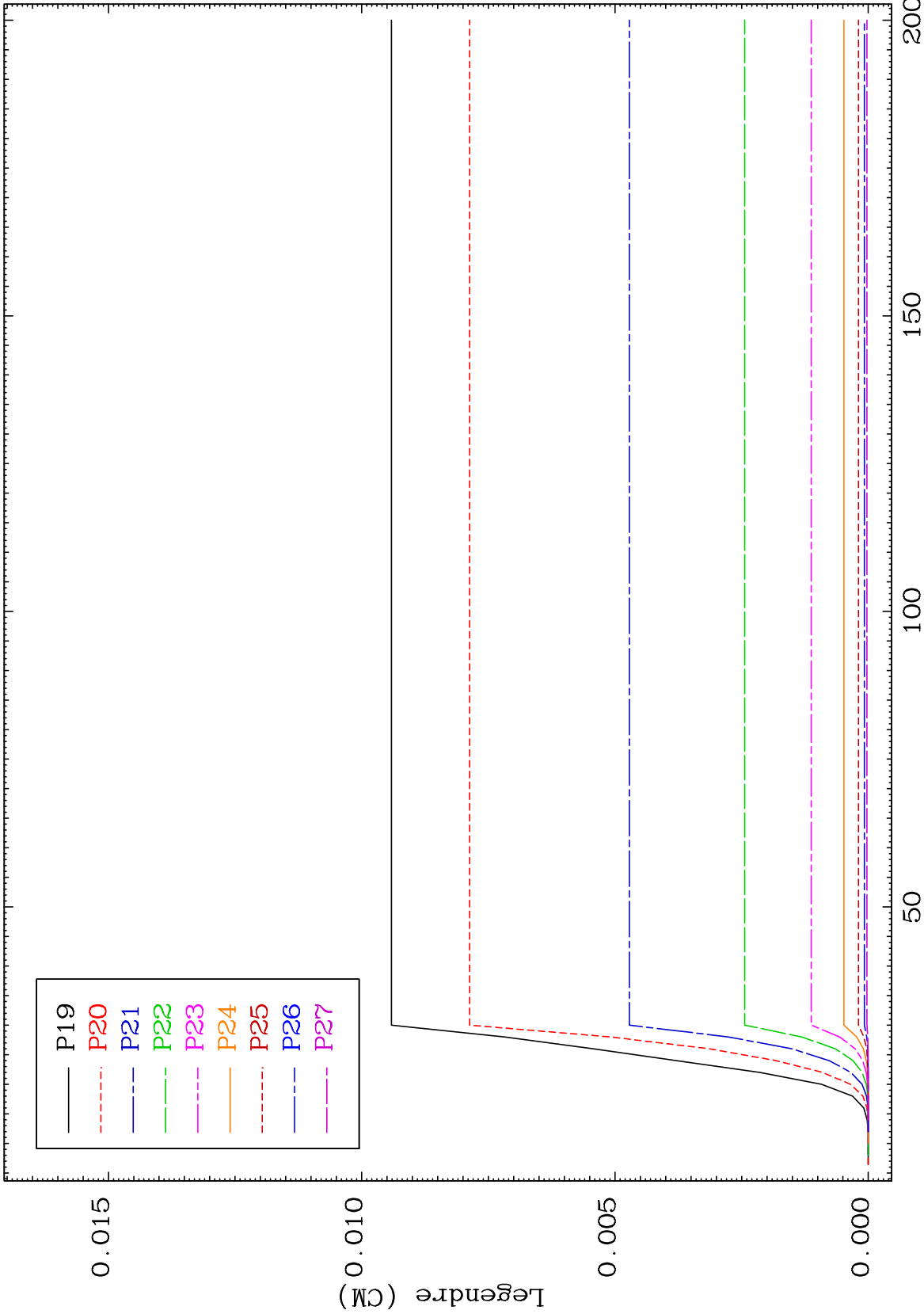
61-Pm-149



105

Incident Energy (MeV)

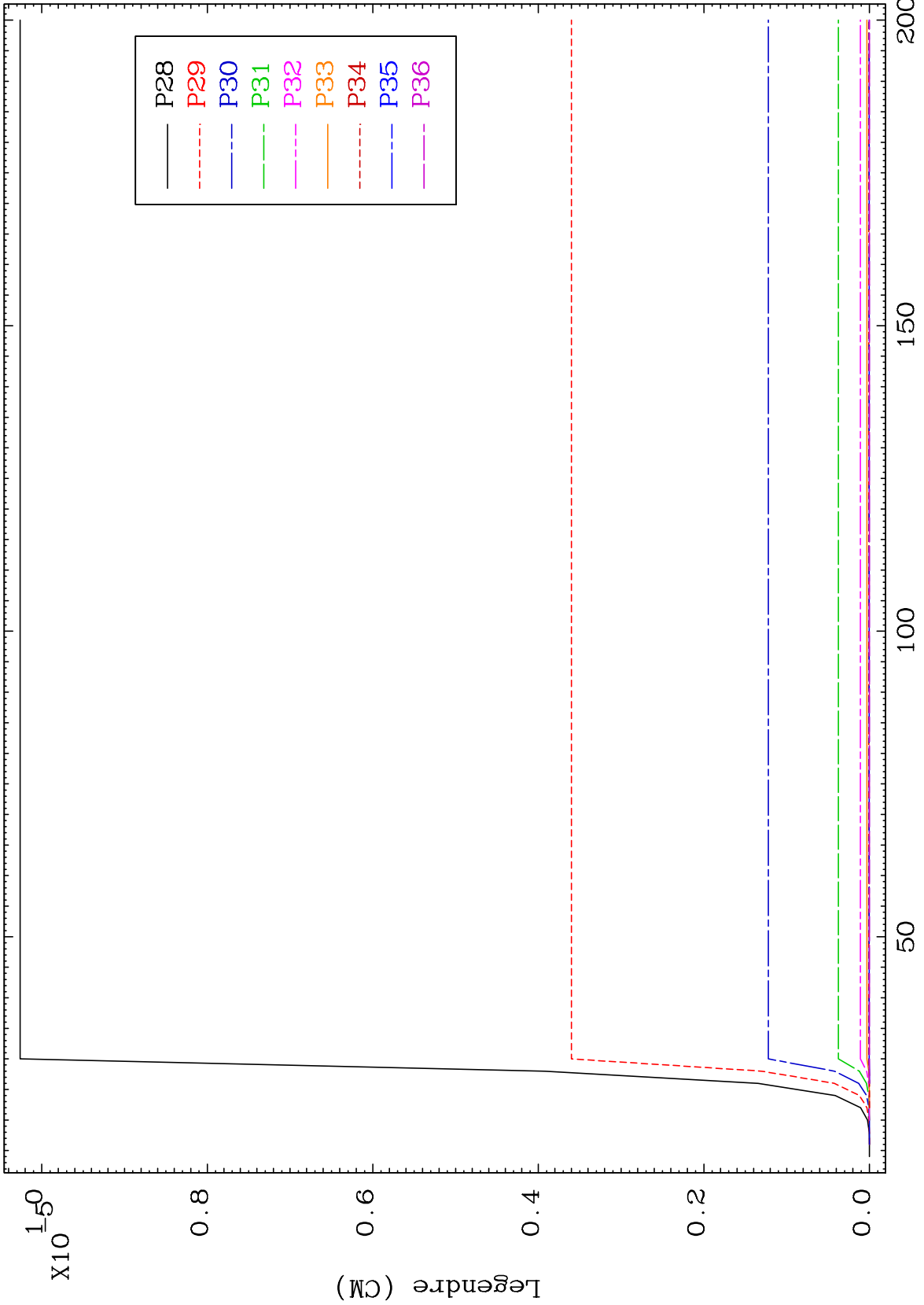
61-Pm-149



MAT 6155

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

61-Pm-149



107

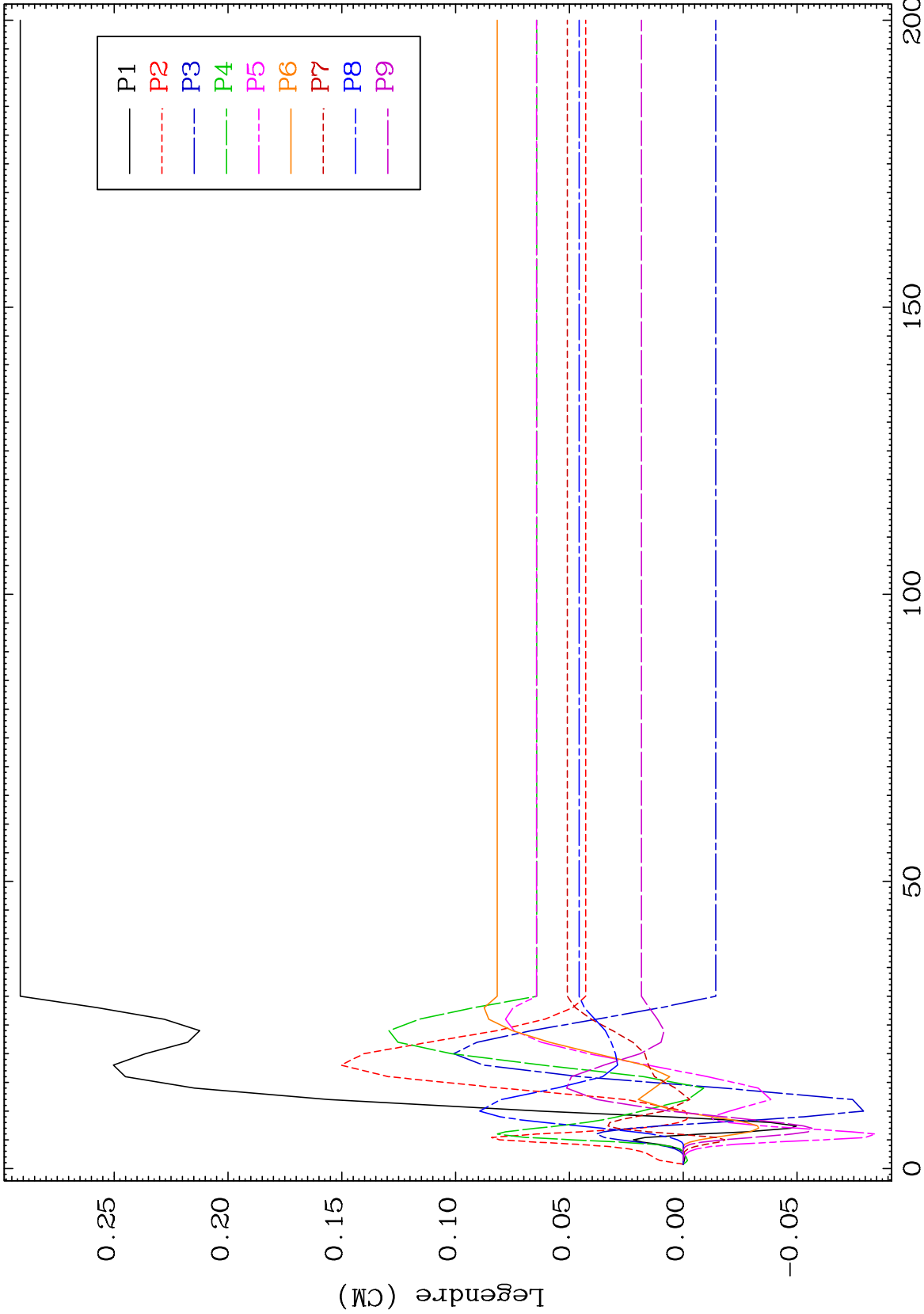
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



108

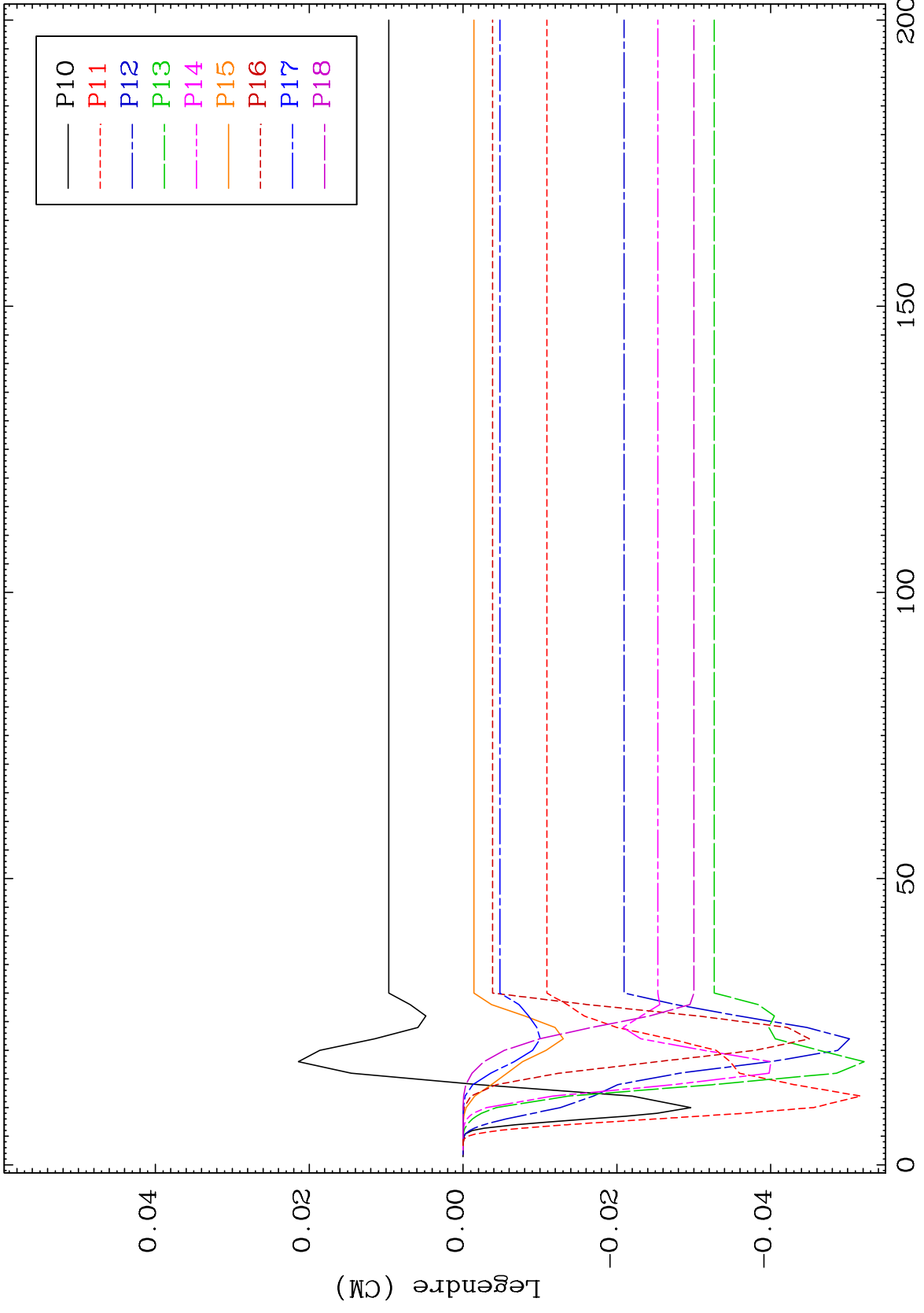
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



109

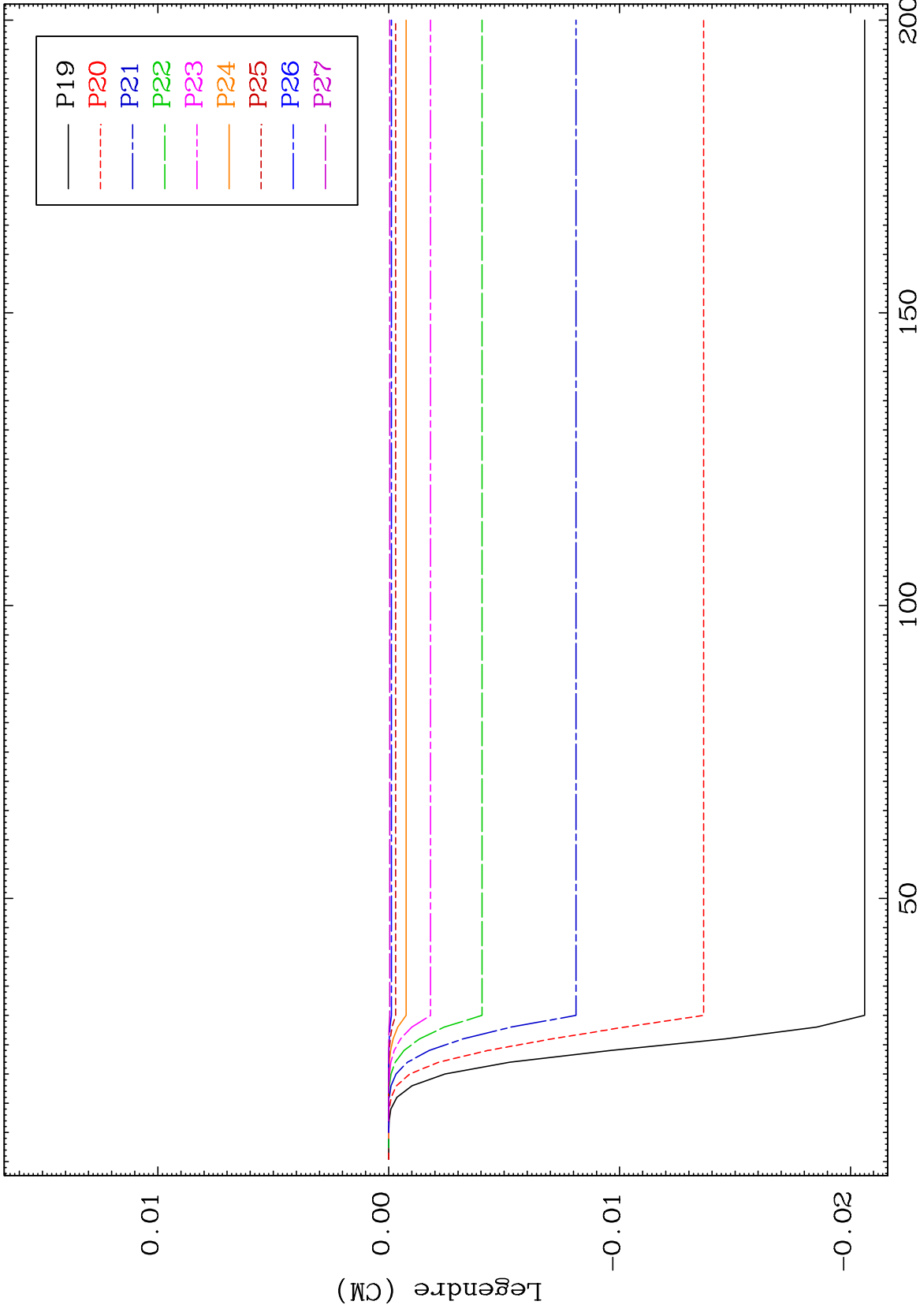
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



110

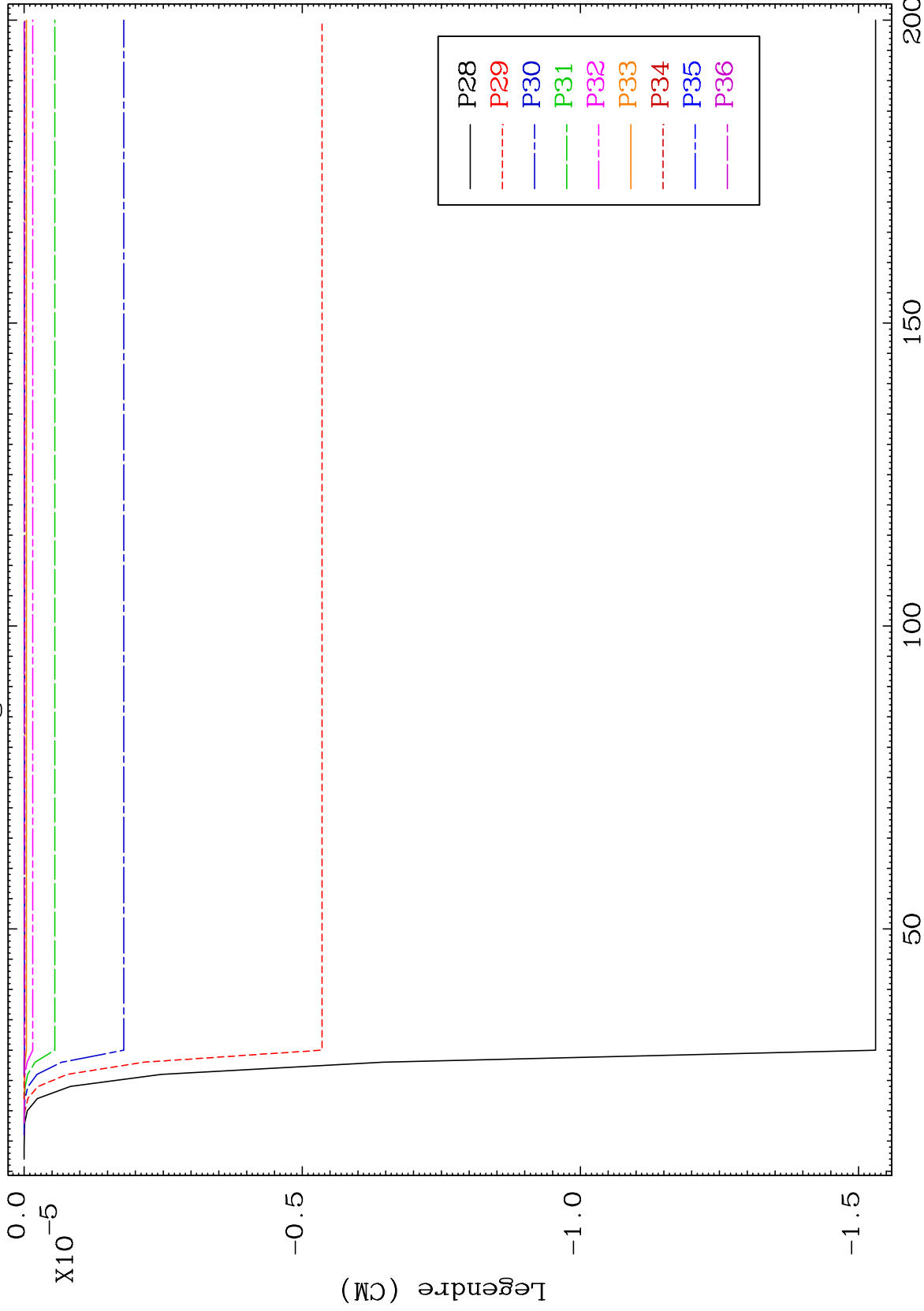
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



61-Pm-149

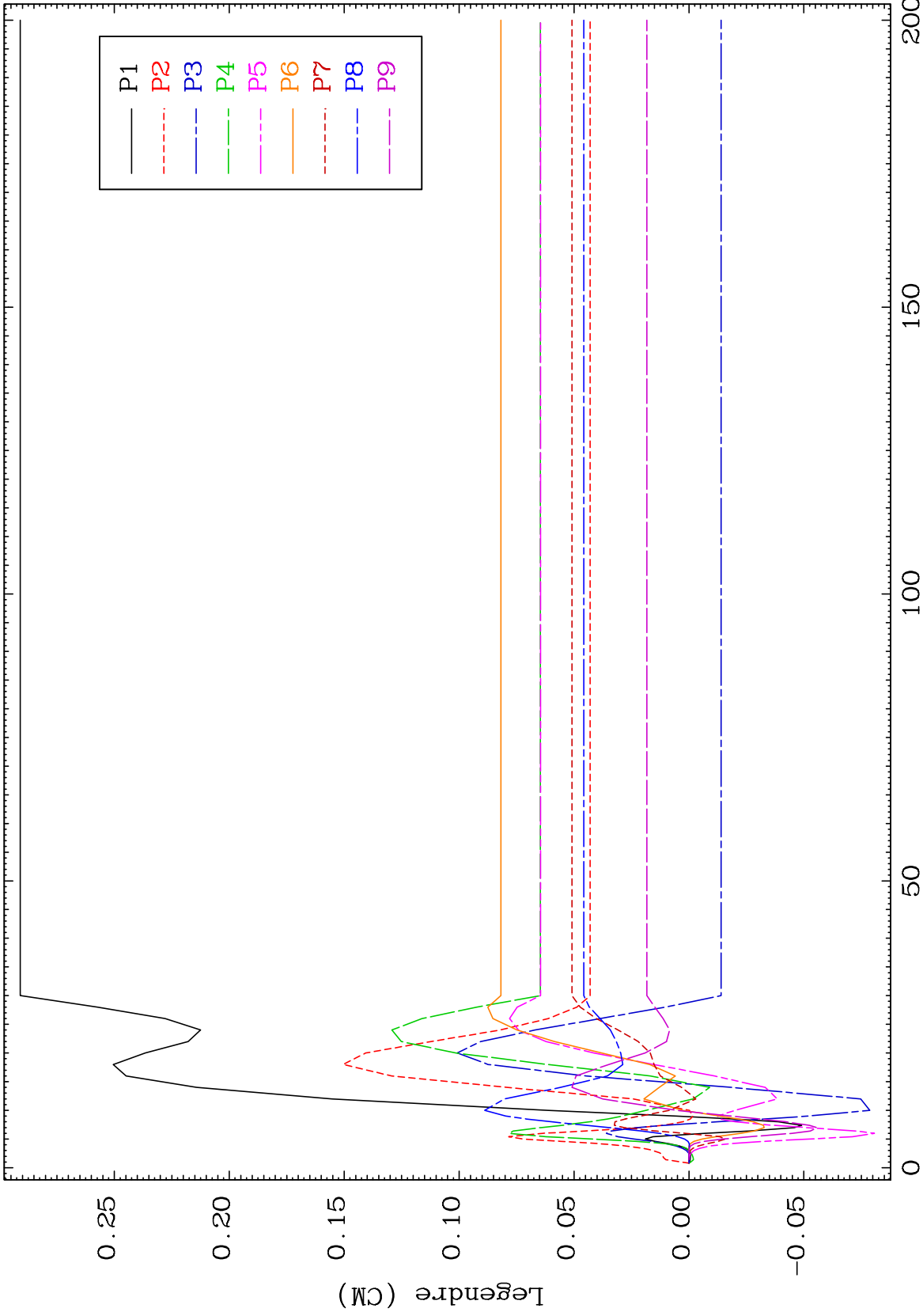
Incident Energy (MeV)

111

MAT 6155

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

61-Pm-149



112

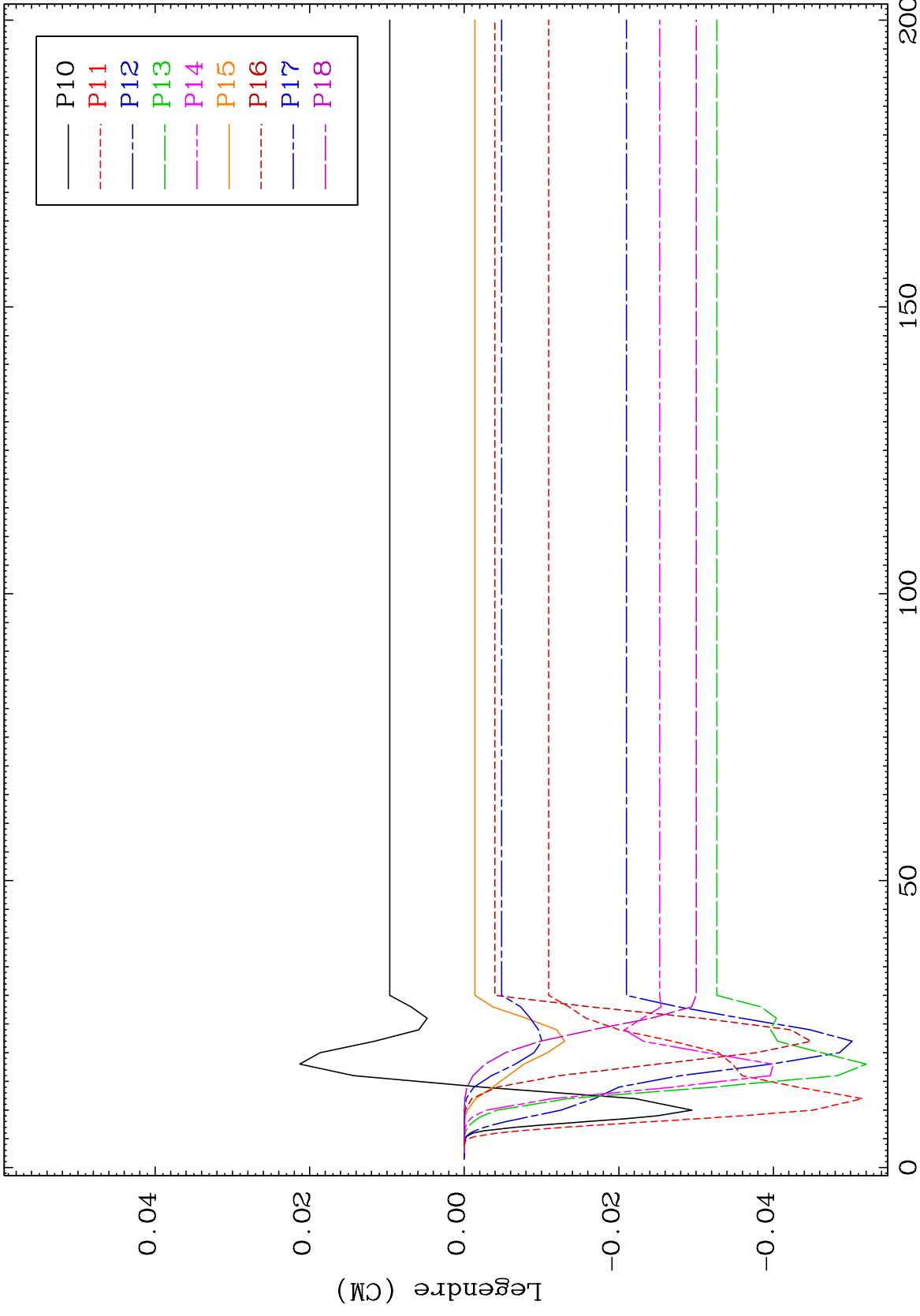
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



113

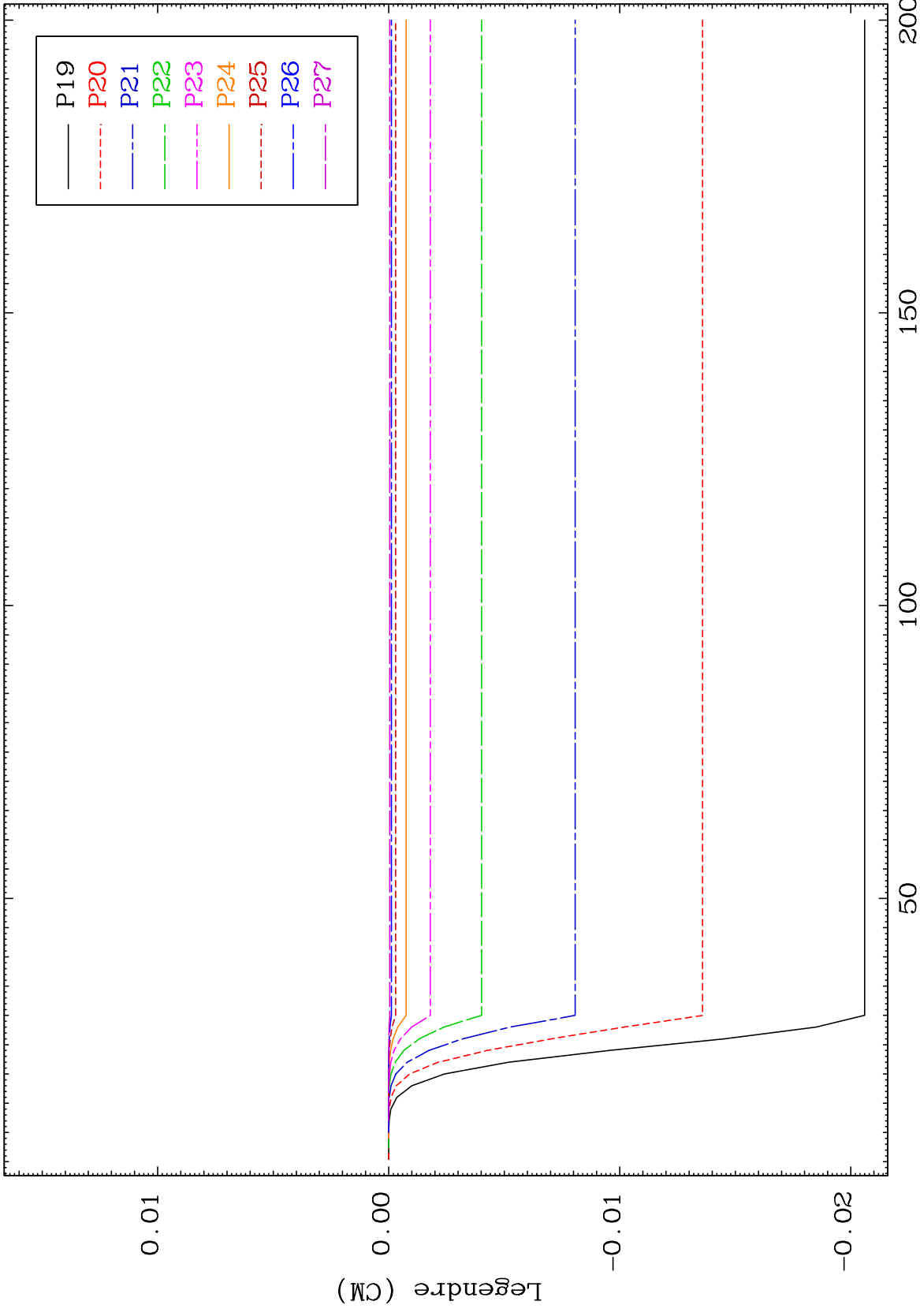
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



114

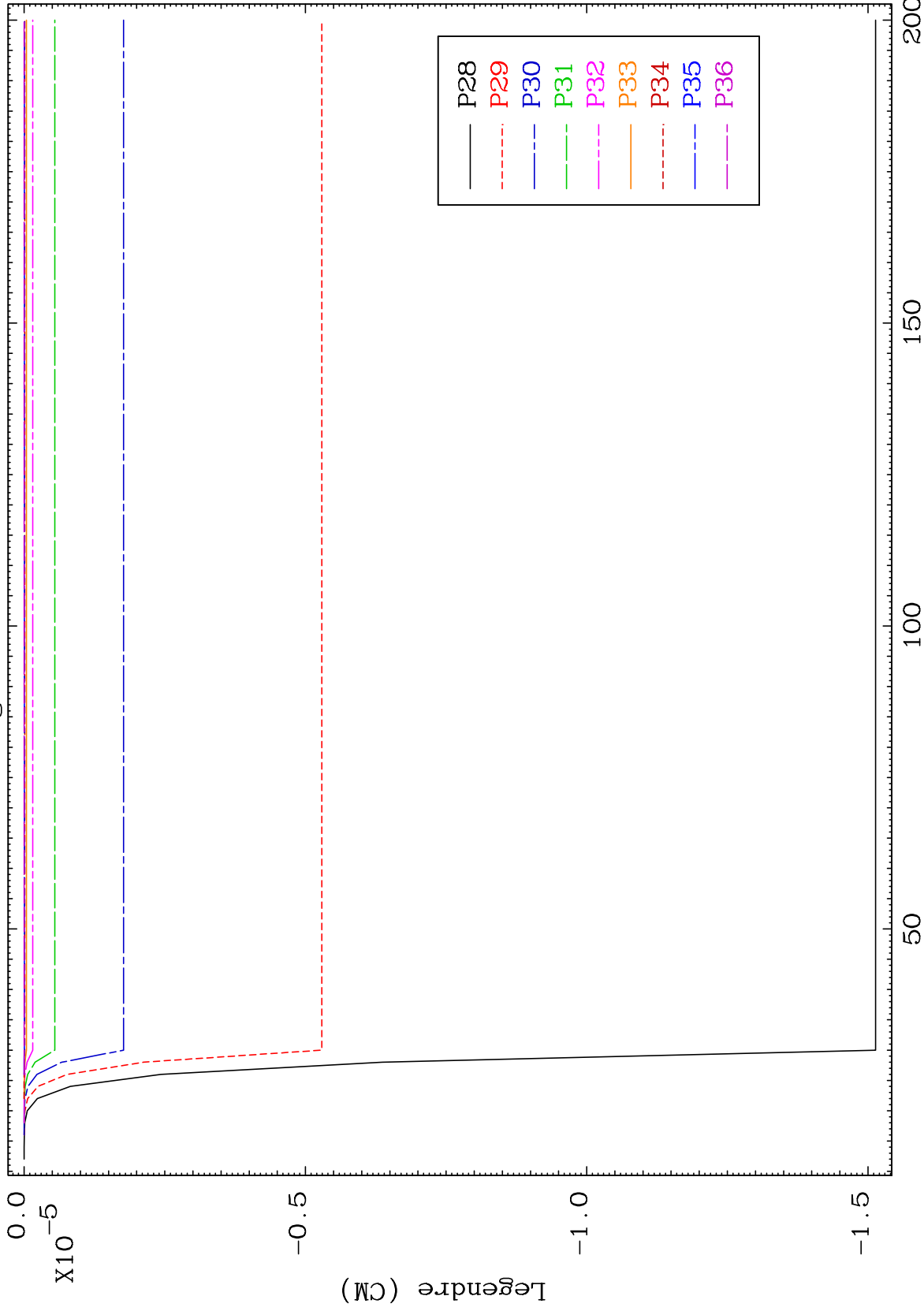
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



61-Pm-149

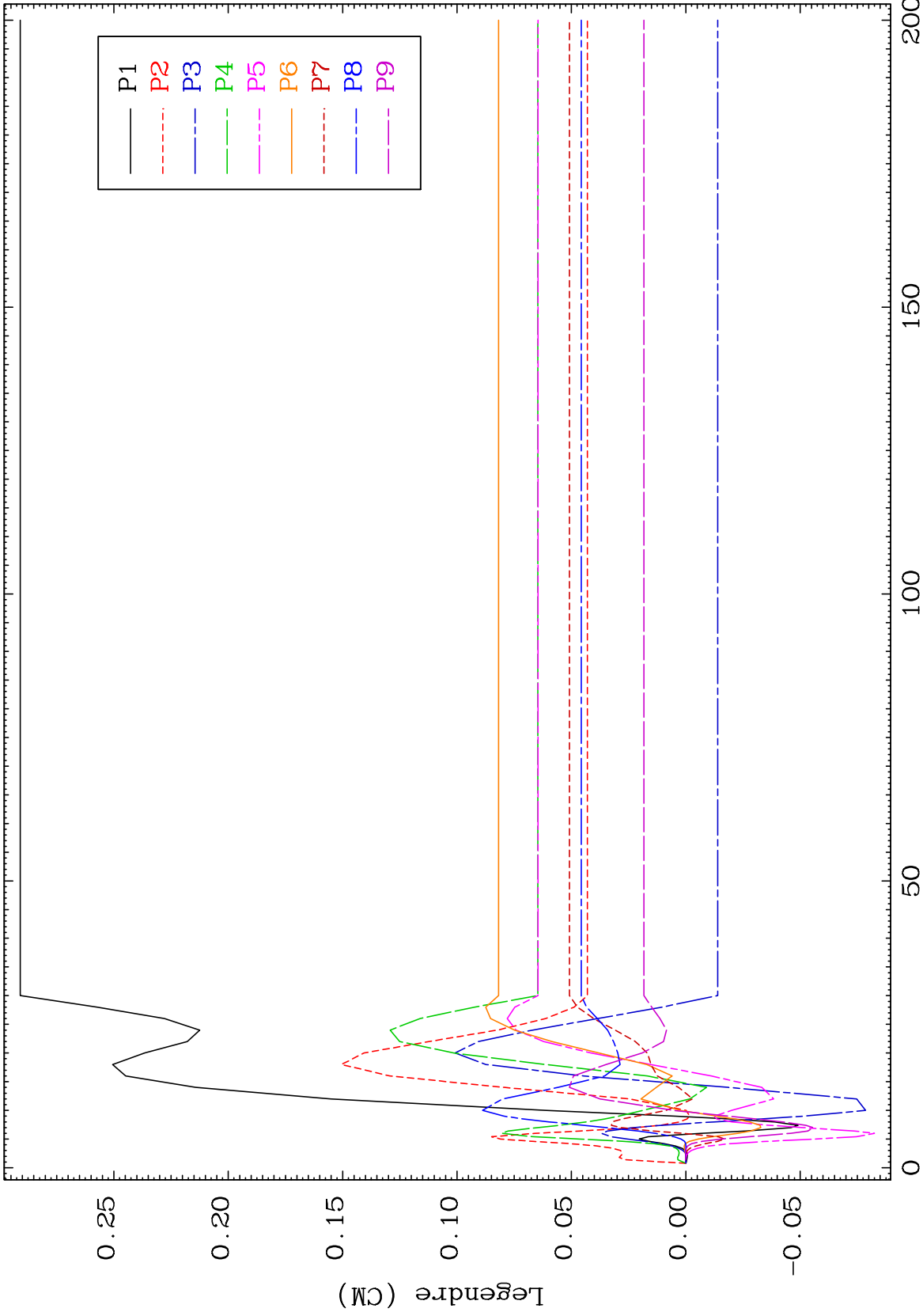
Incident Energy (MeV)

115

MAT 6155

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

61-Pm-149



116

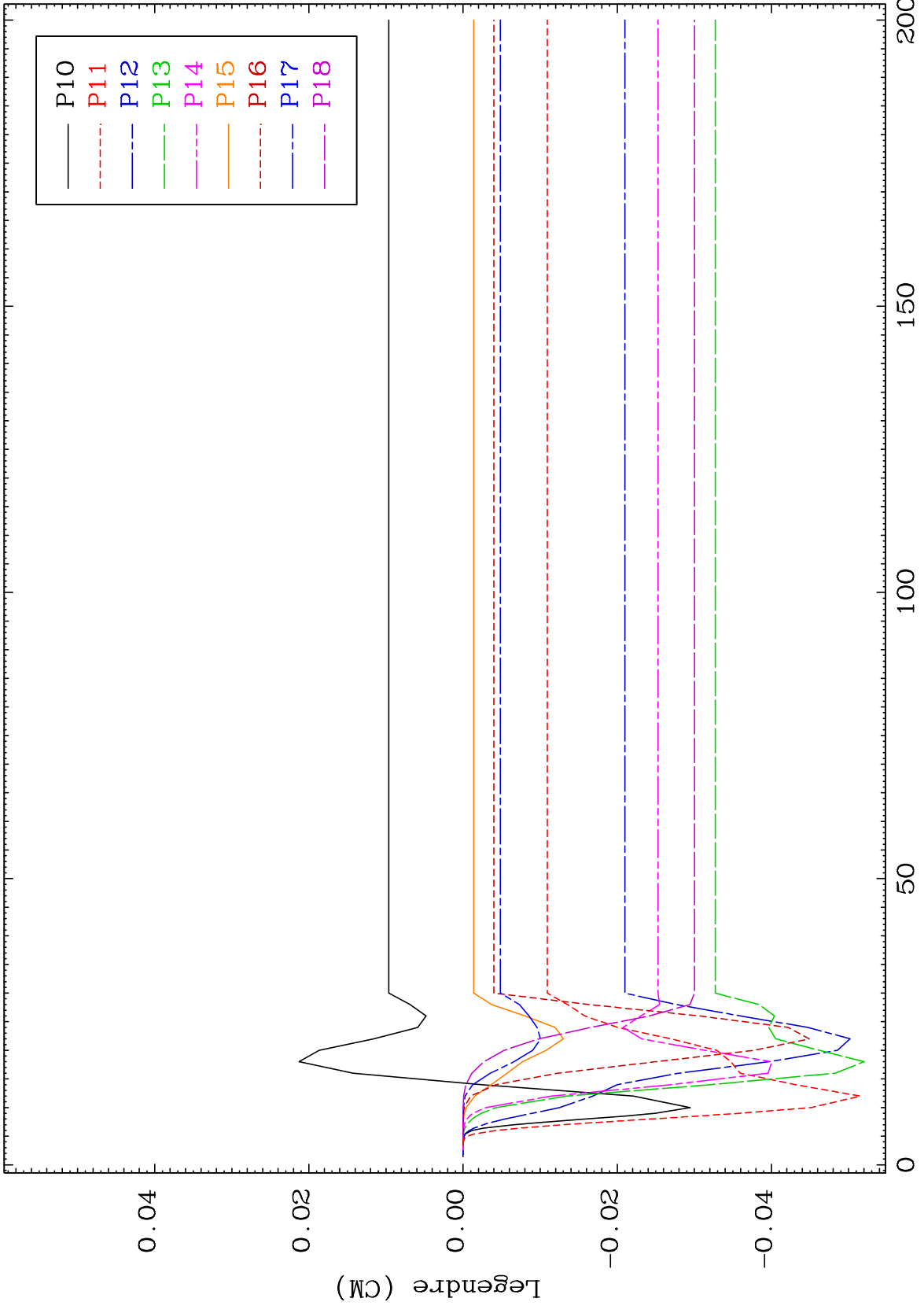
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



117

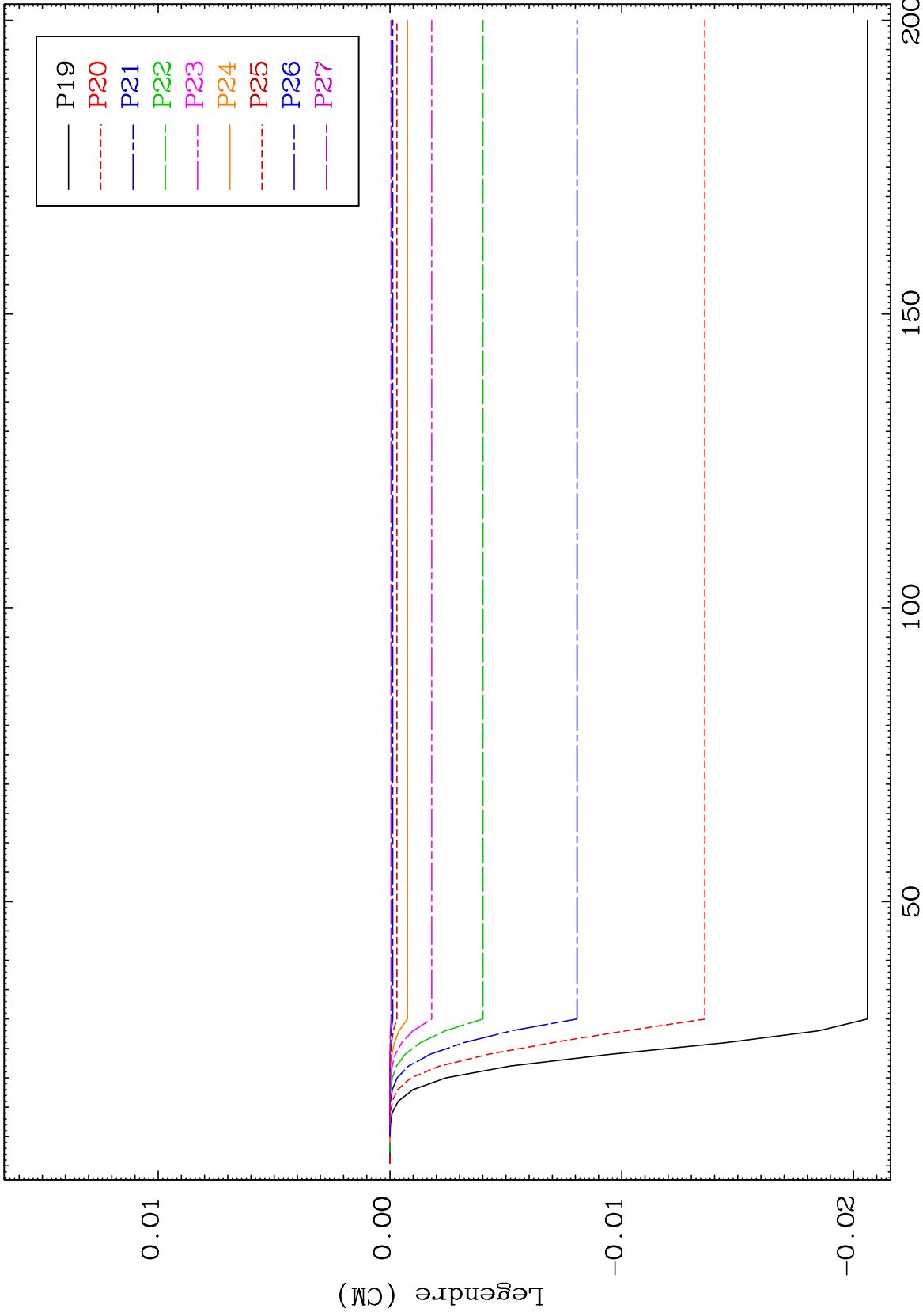
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



118

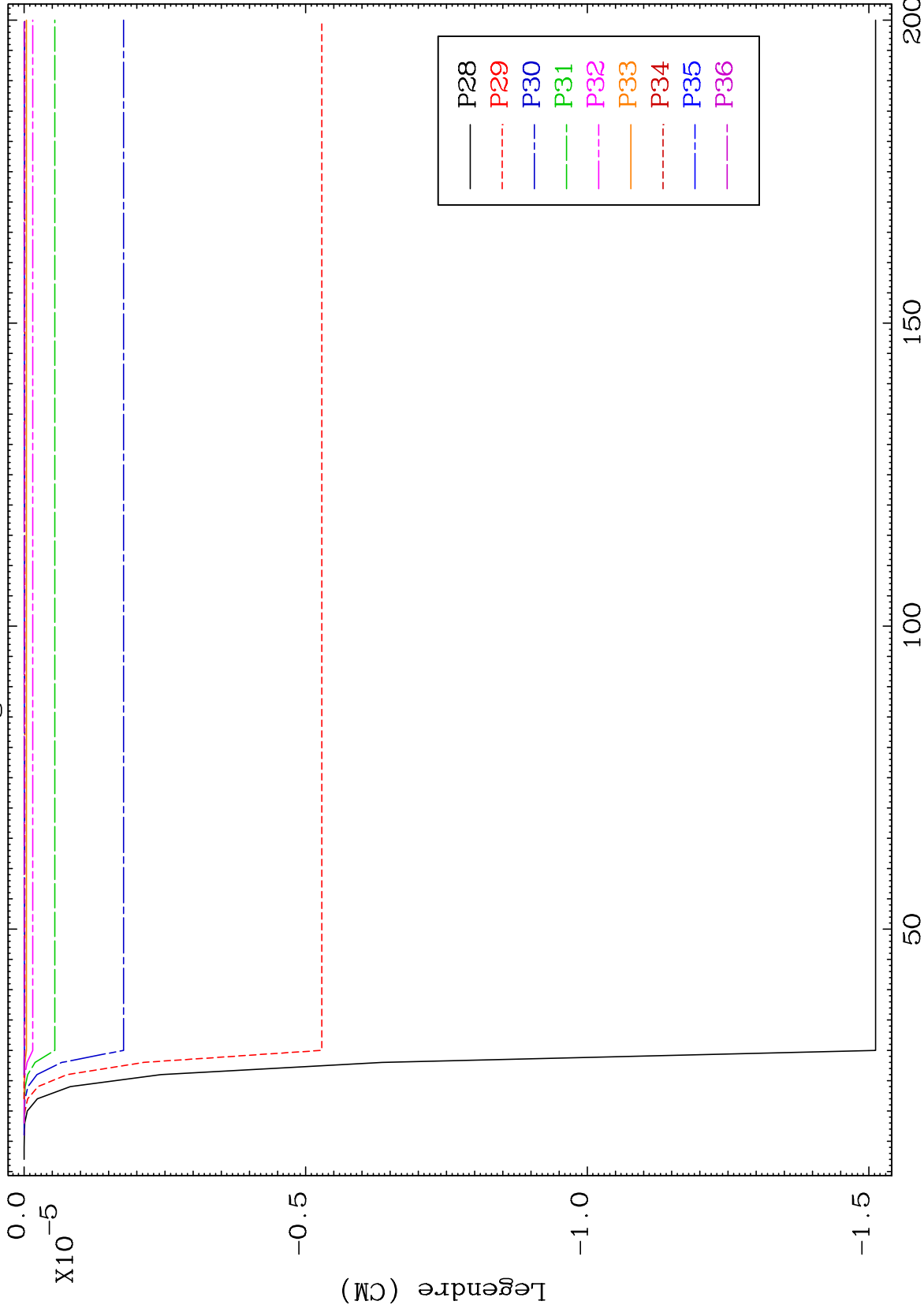
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



61-Pm-149

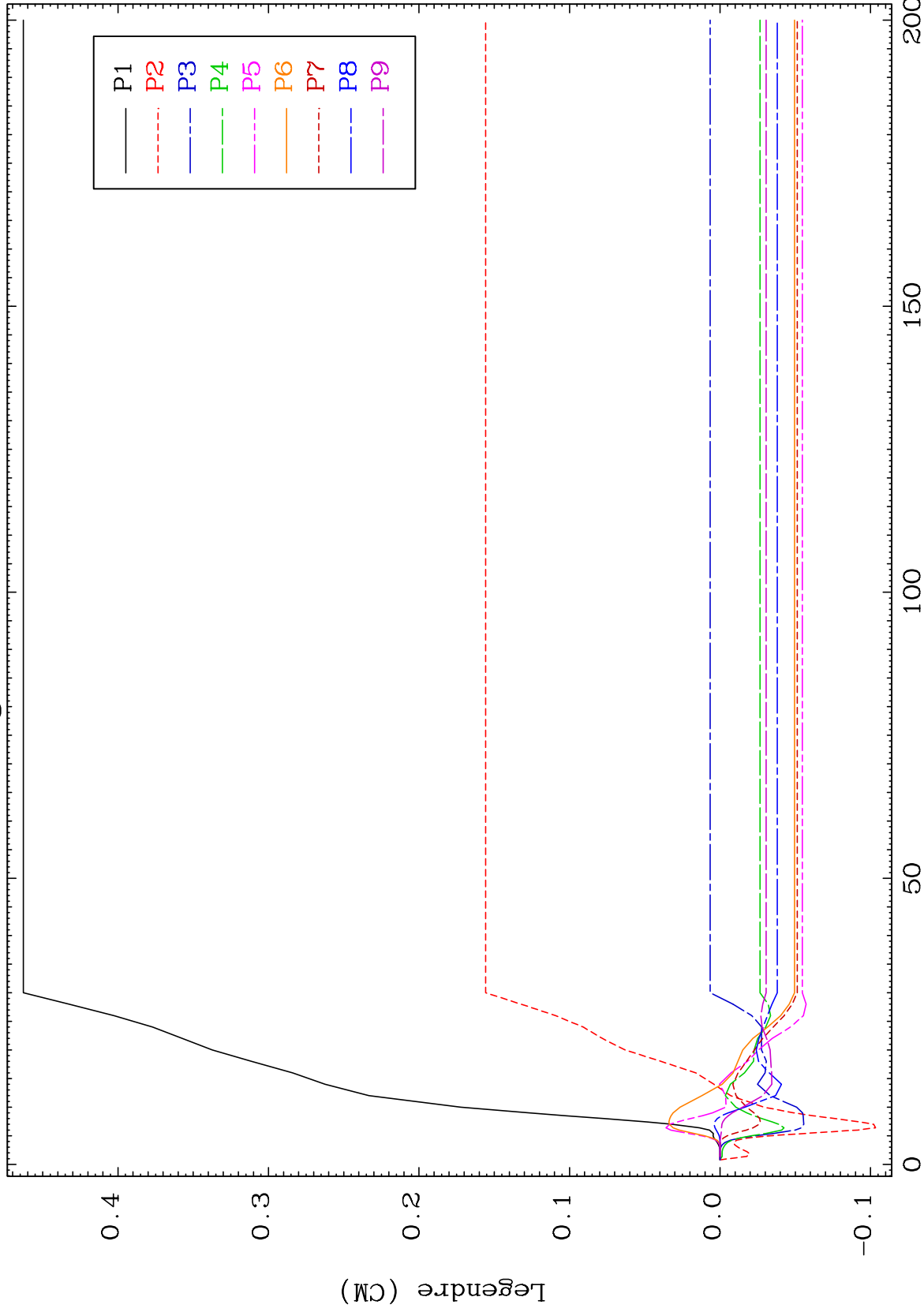
Incident Energy (MeV)

119

MAT 6155

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

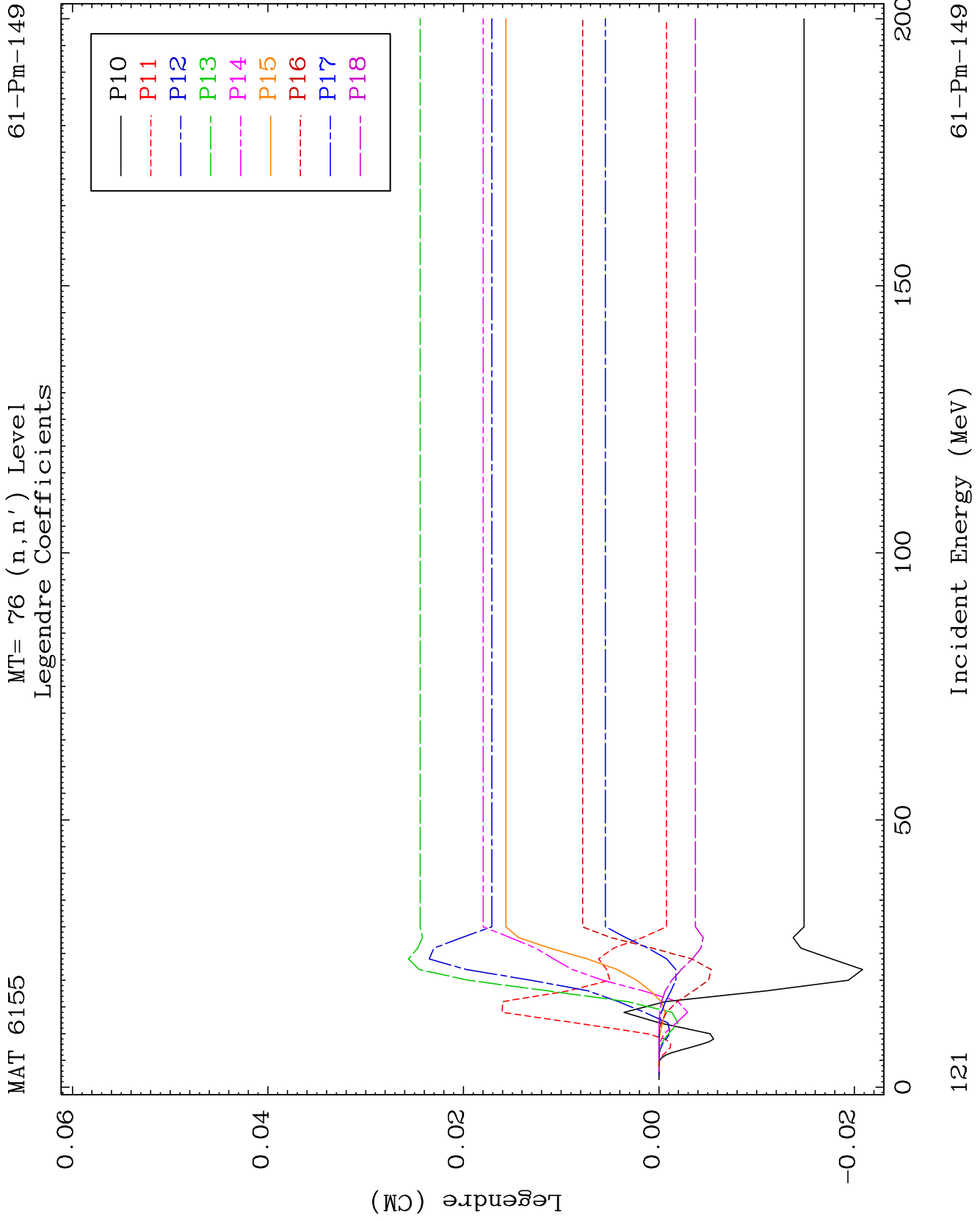
61-Pm-149



61-Pm-149

Incident Energy (MeV)

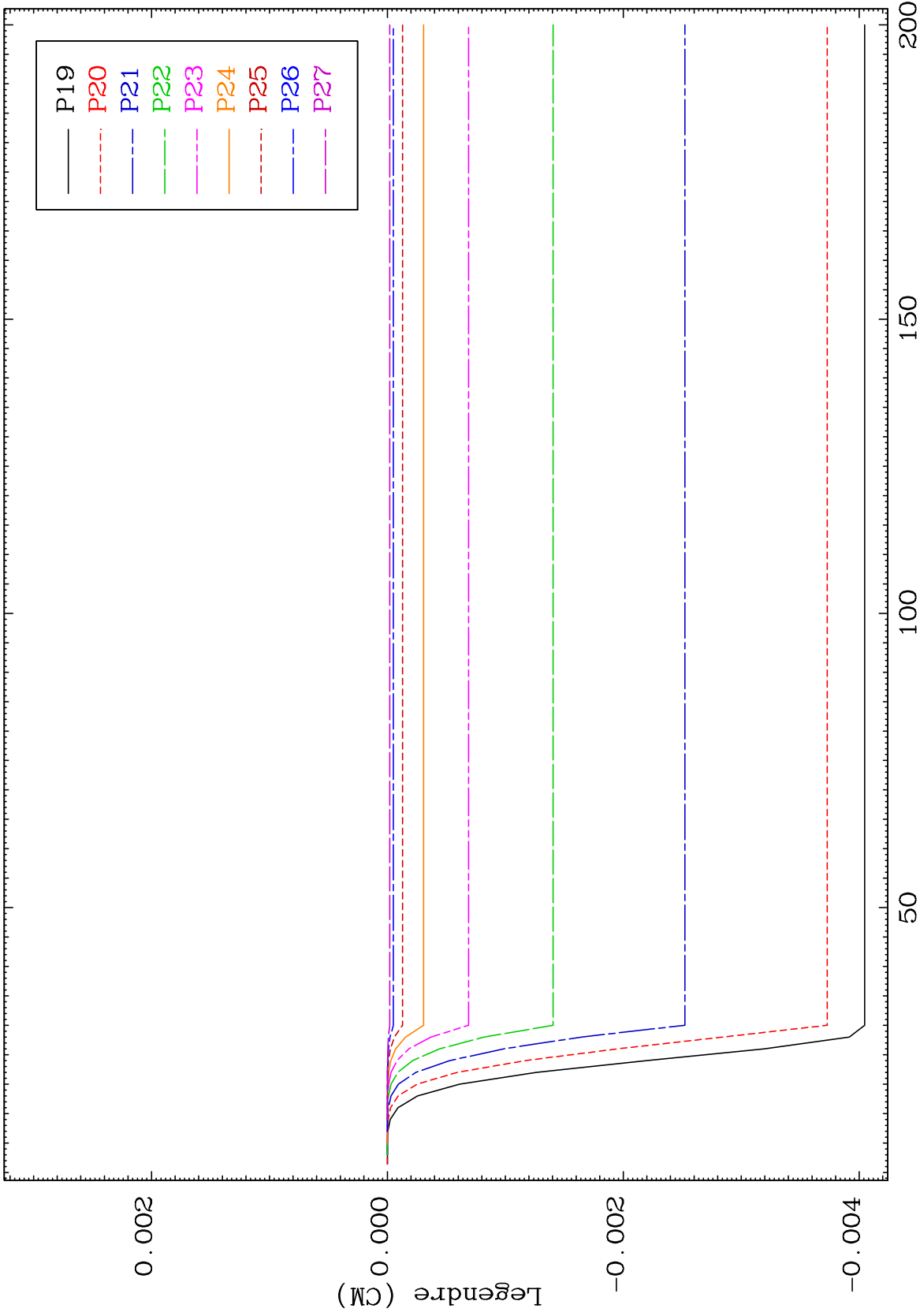
120



MAT 6155

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

61-Pm-149



122

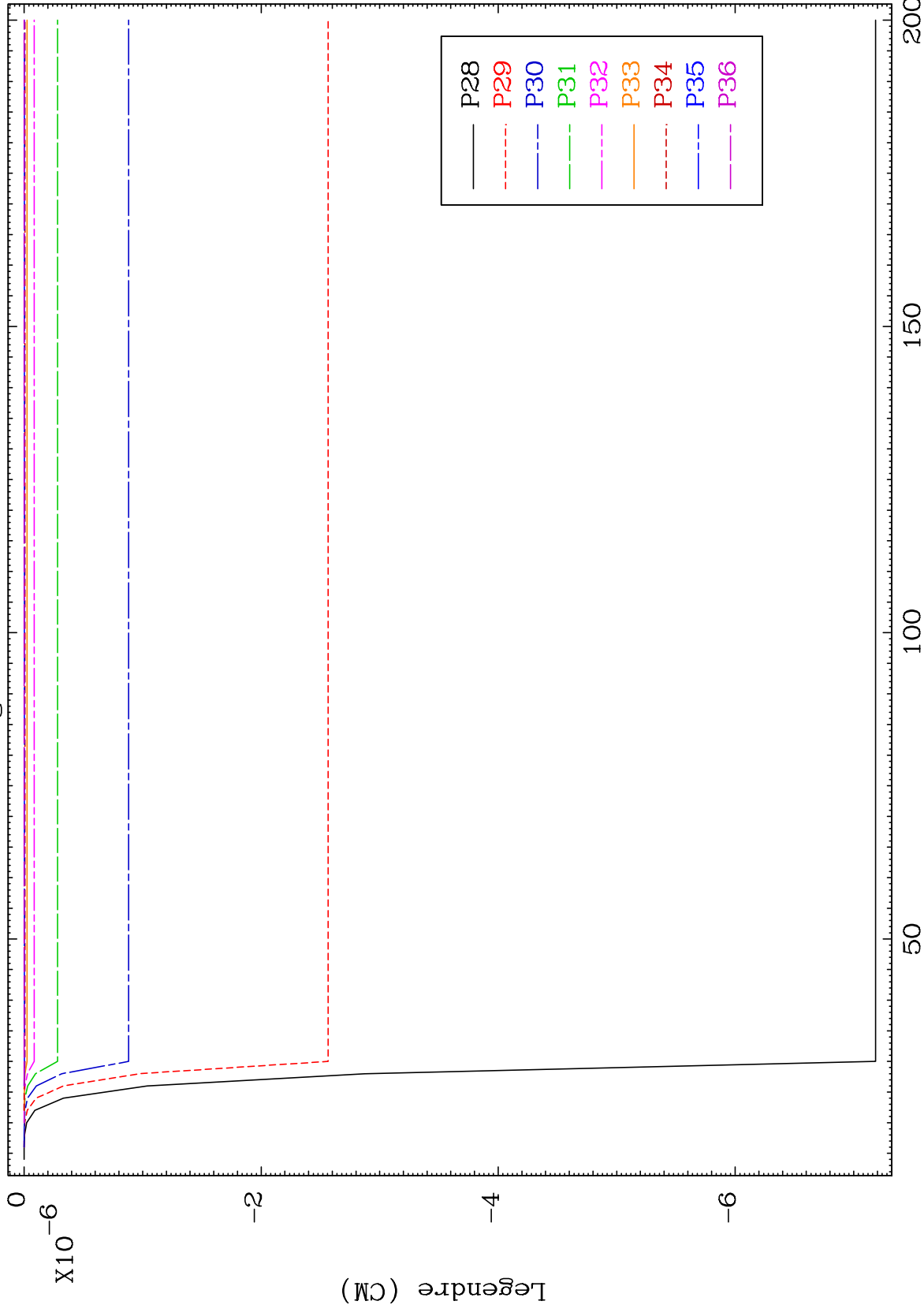
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



61-Pm-149

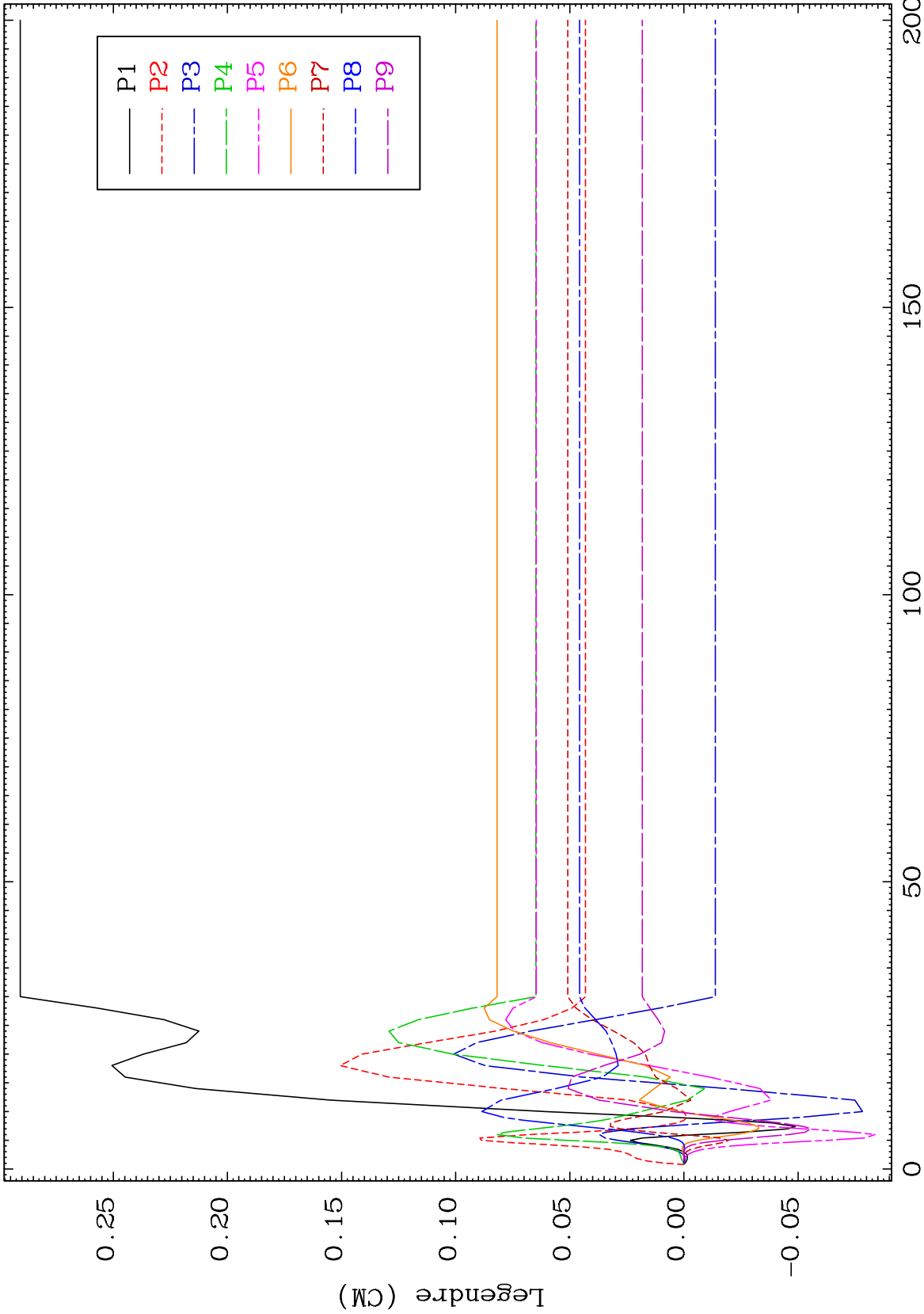
Incident Energy (MeV)

123

MAT 6155

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

61-Pm-149



124

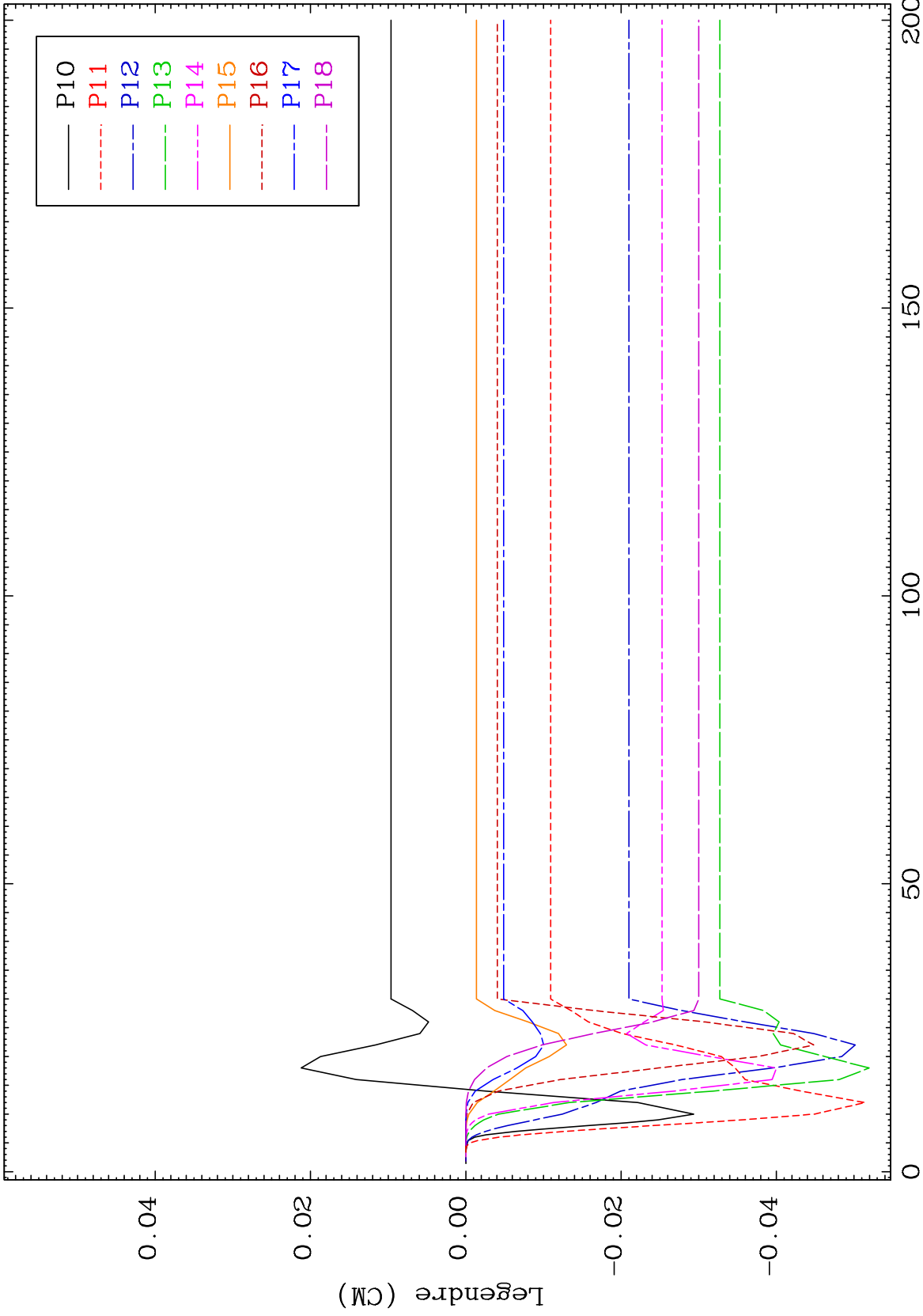
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



125

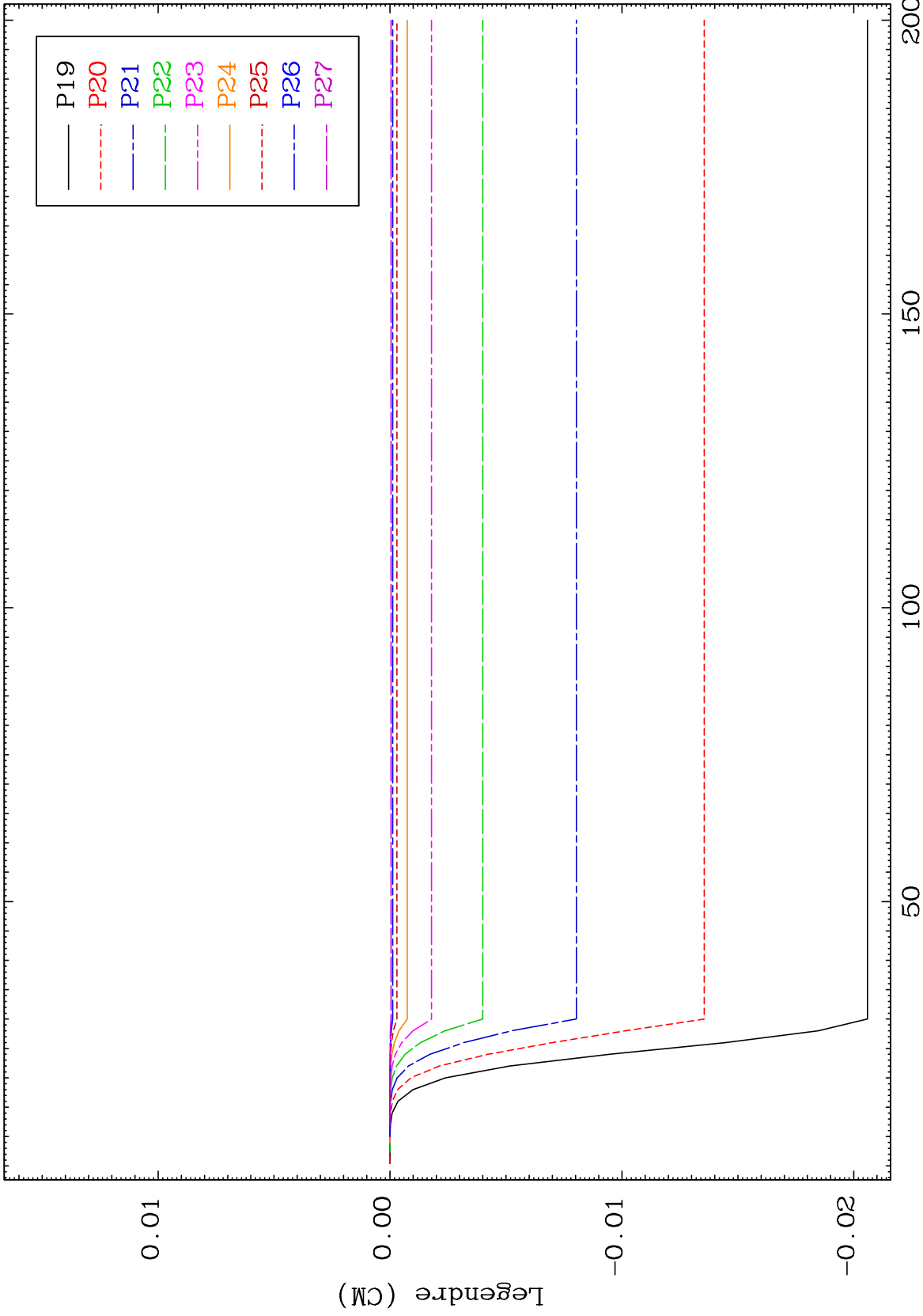
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



126

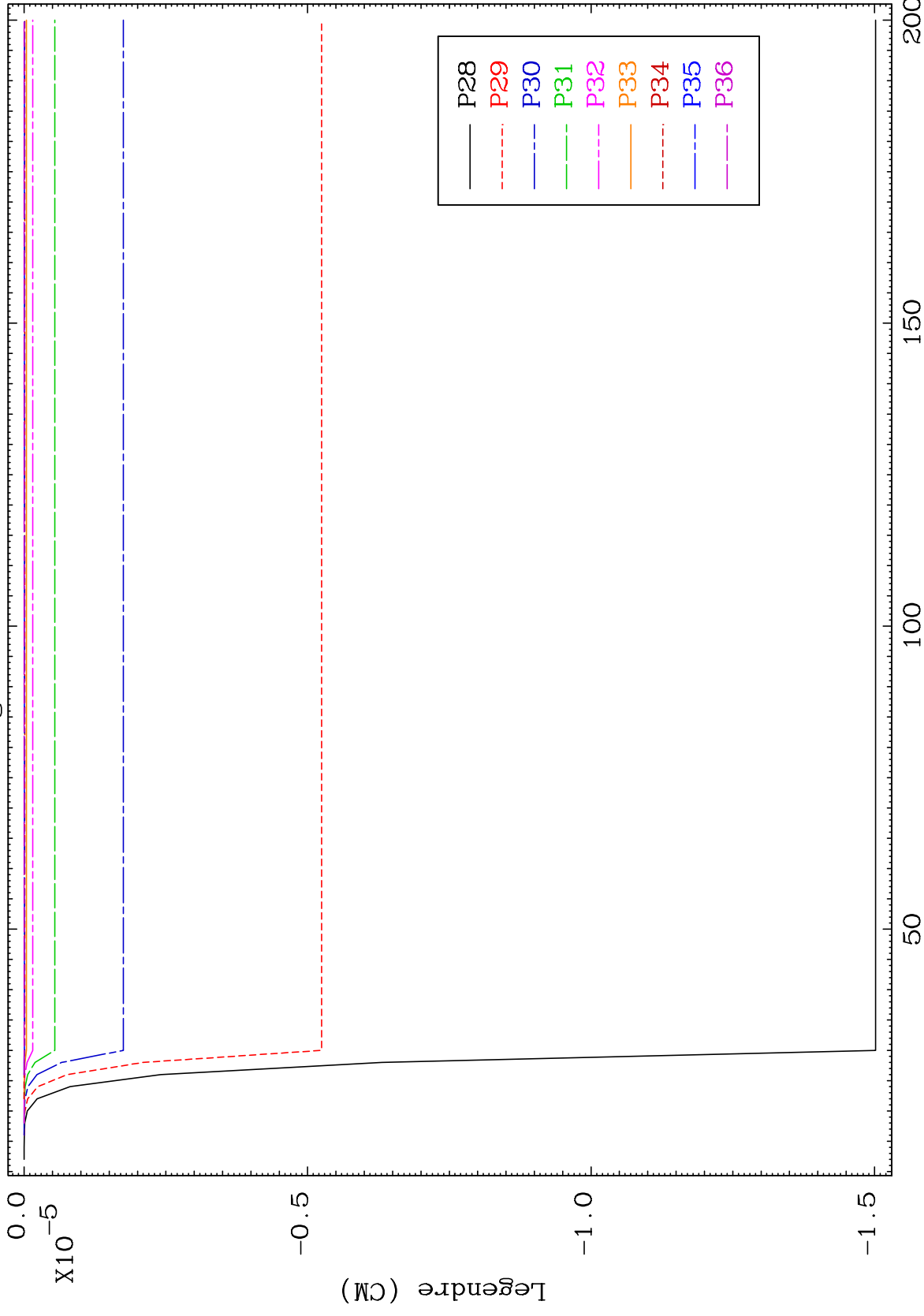
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



61-Pm-149

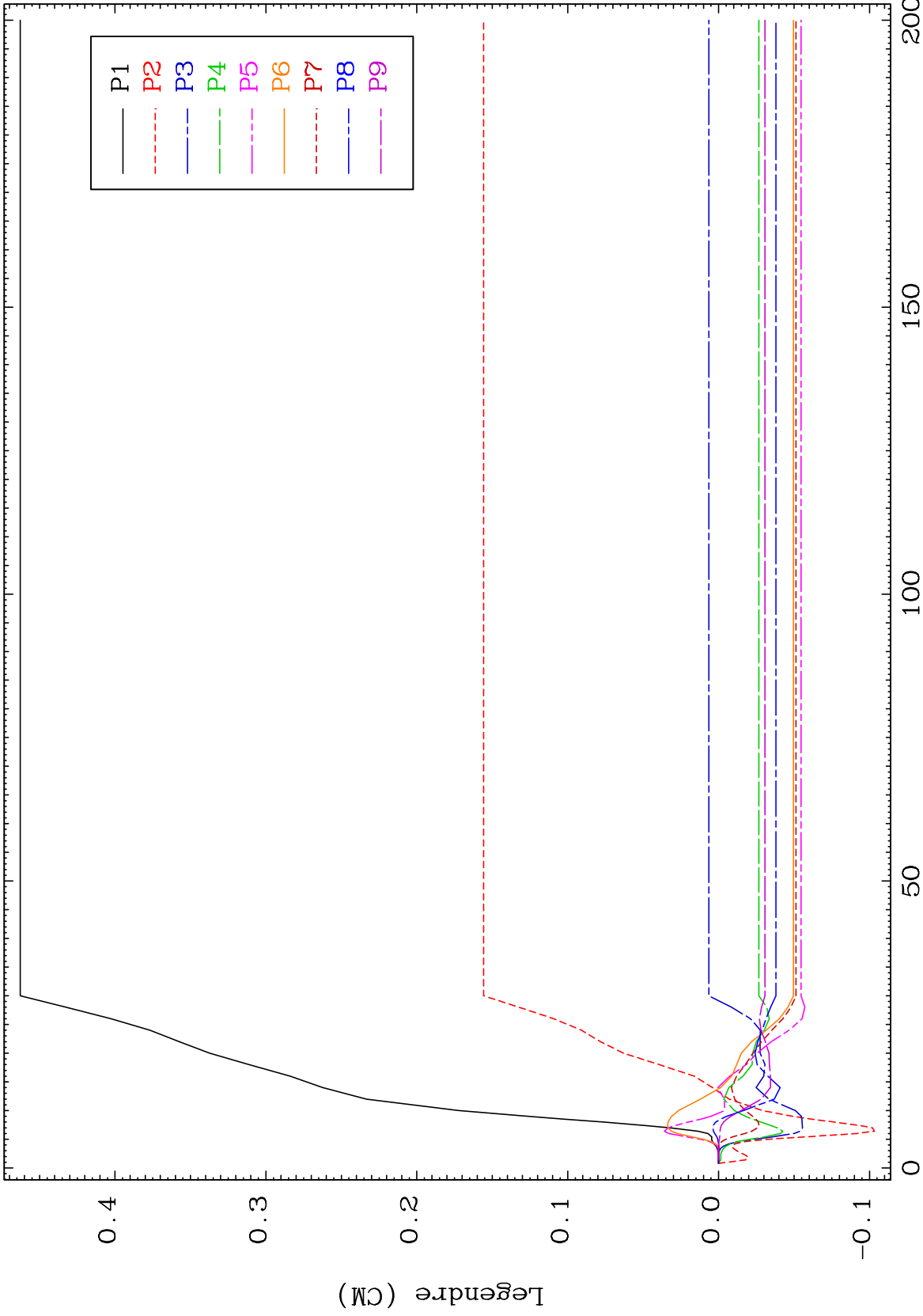
Incident Energy (MeV)

127

MAT 6155

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

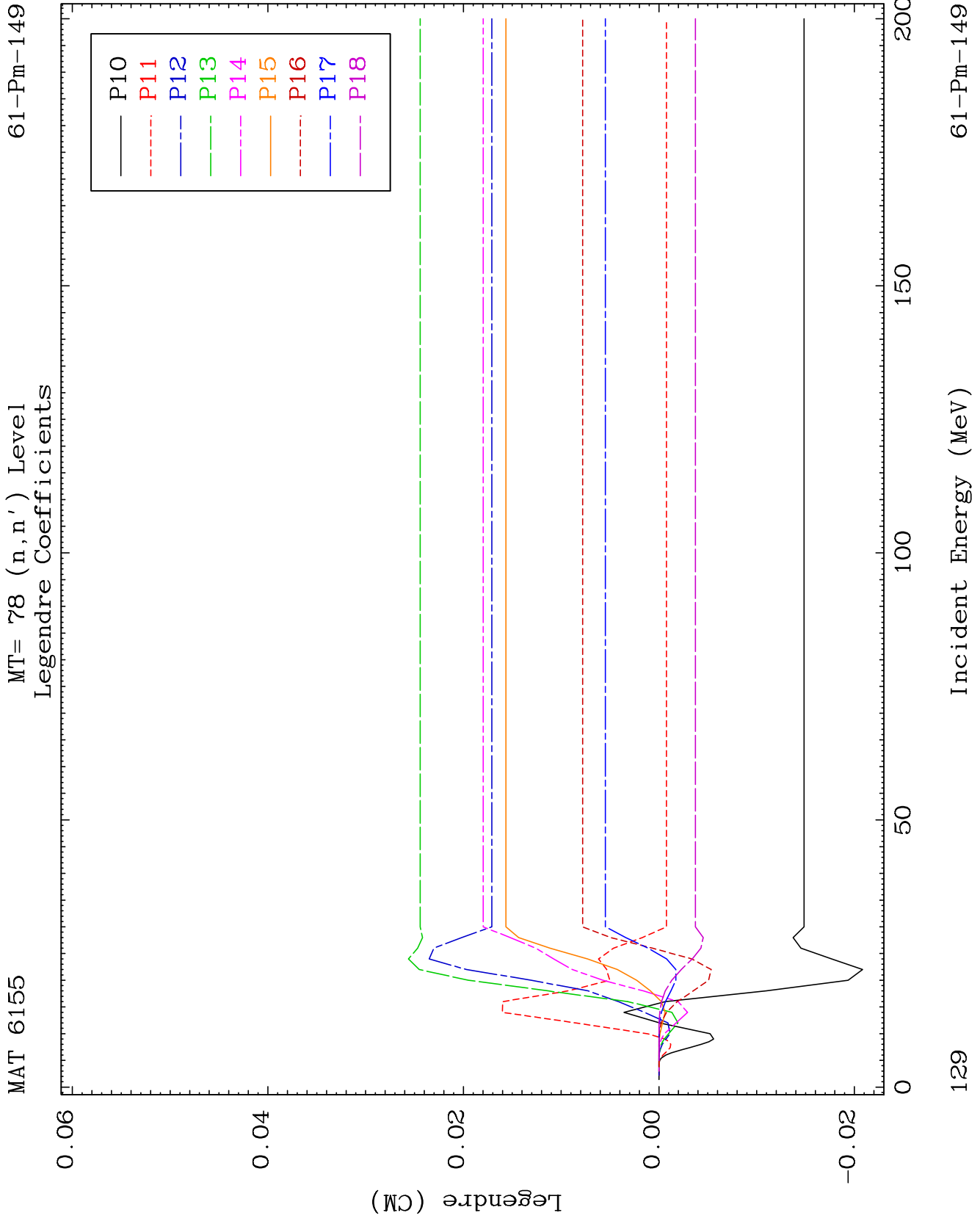
61-Pm-149



128

Incident Energy (MeV)

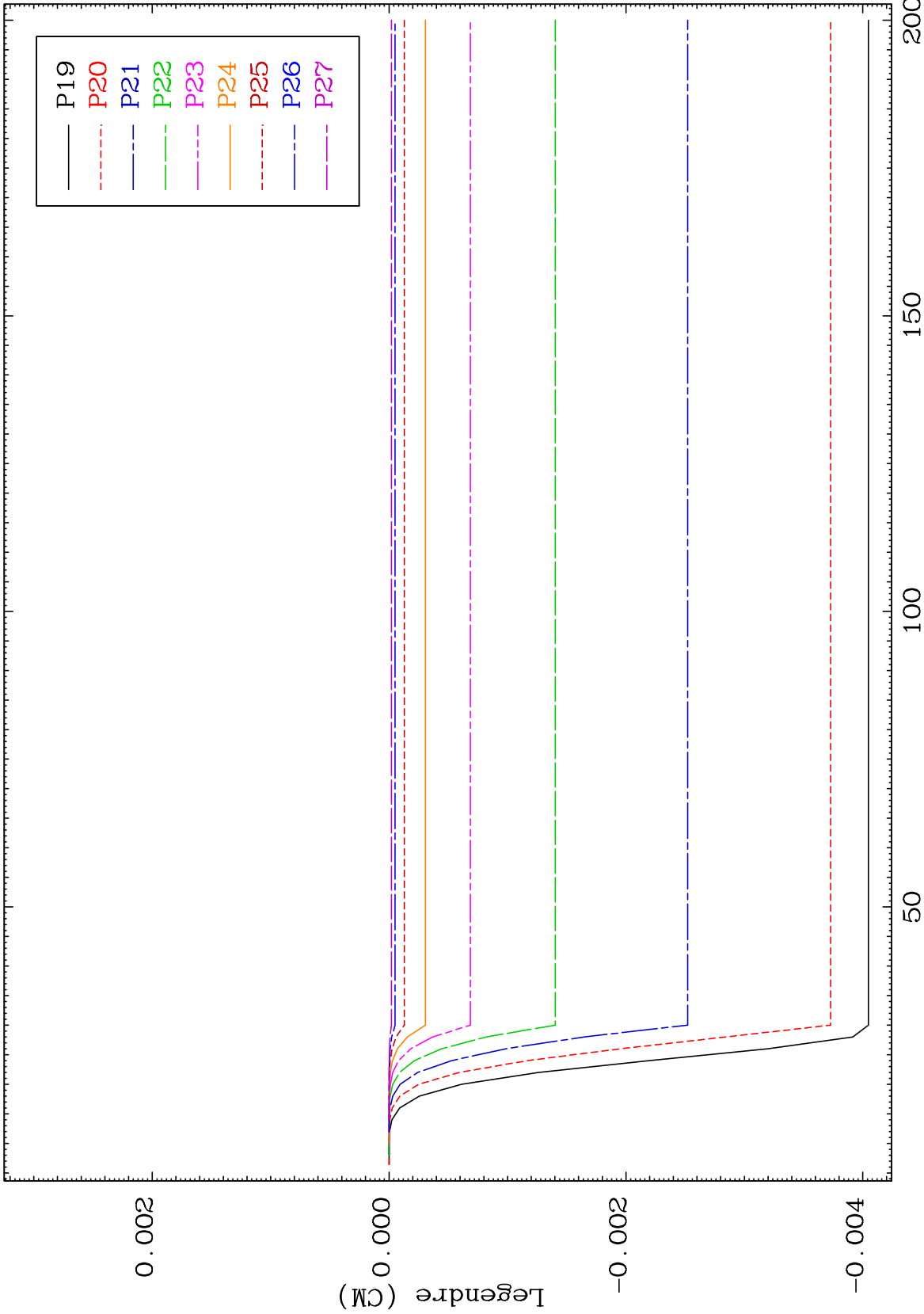
61-Pm-149



MAT 6155

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

61-Pm-149



130

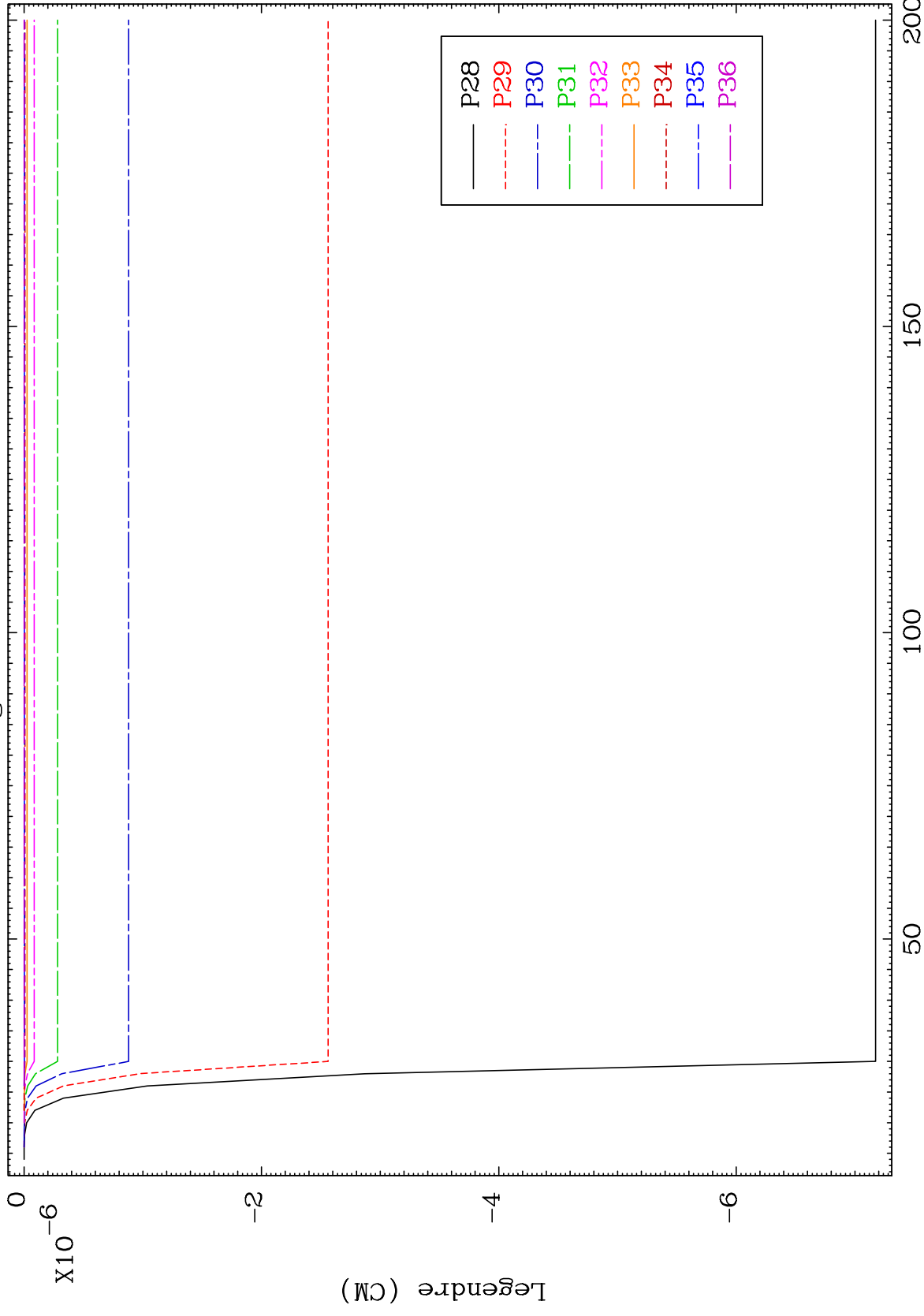
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



61-Pm-149

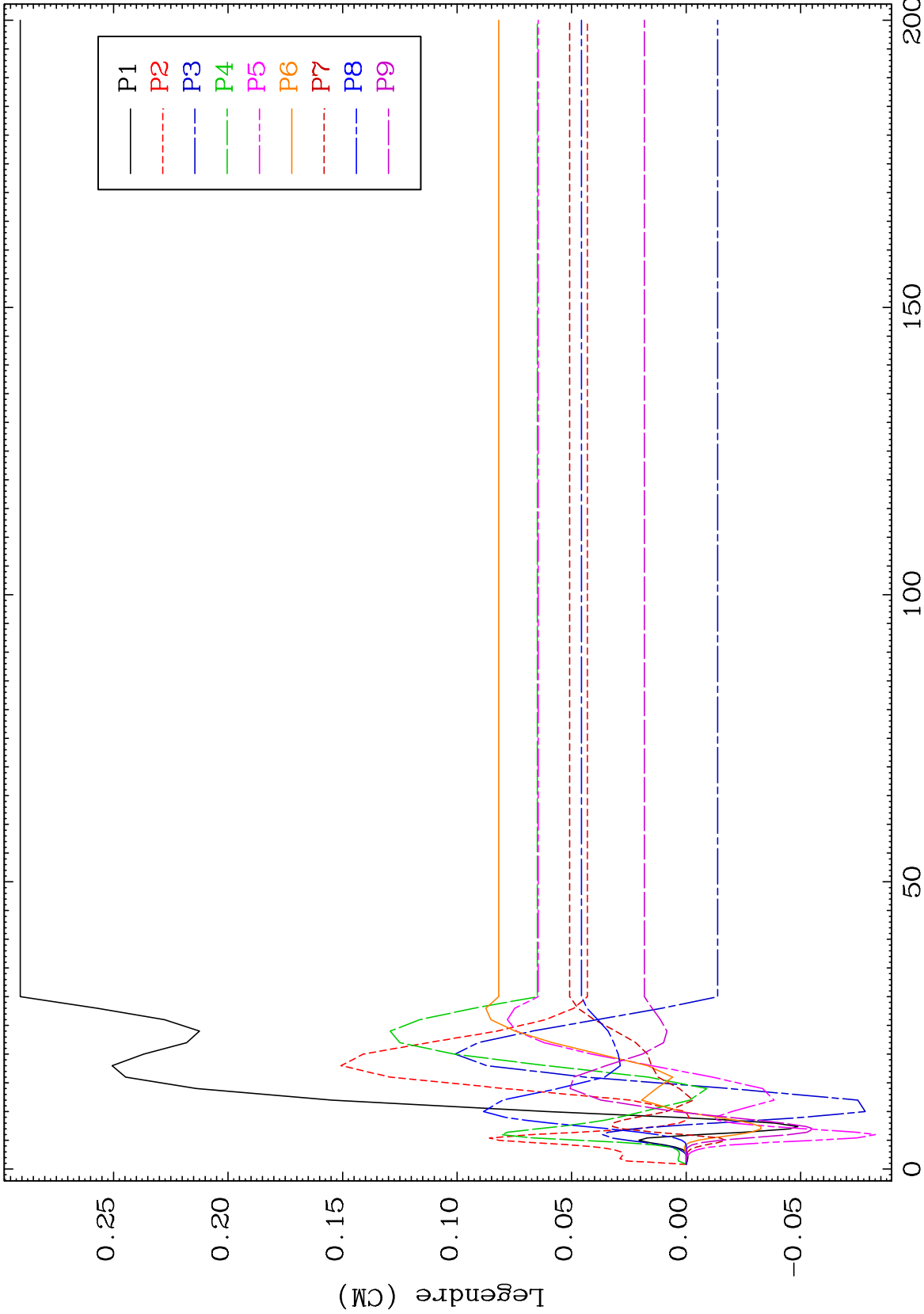
Incident Energy (MeV)

131

MAT 6155

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

61-Pm-149



132

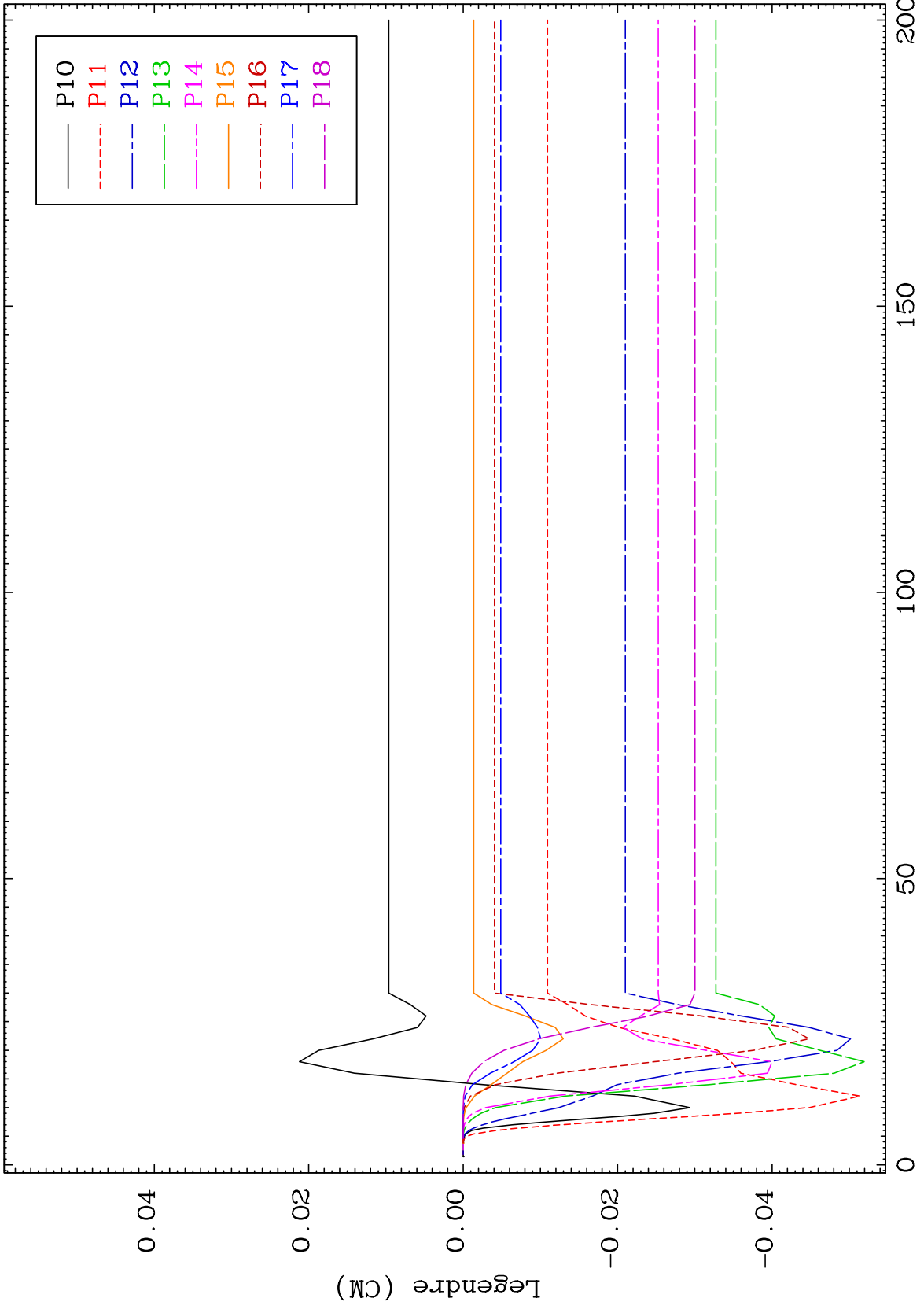
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



133

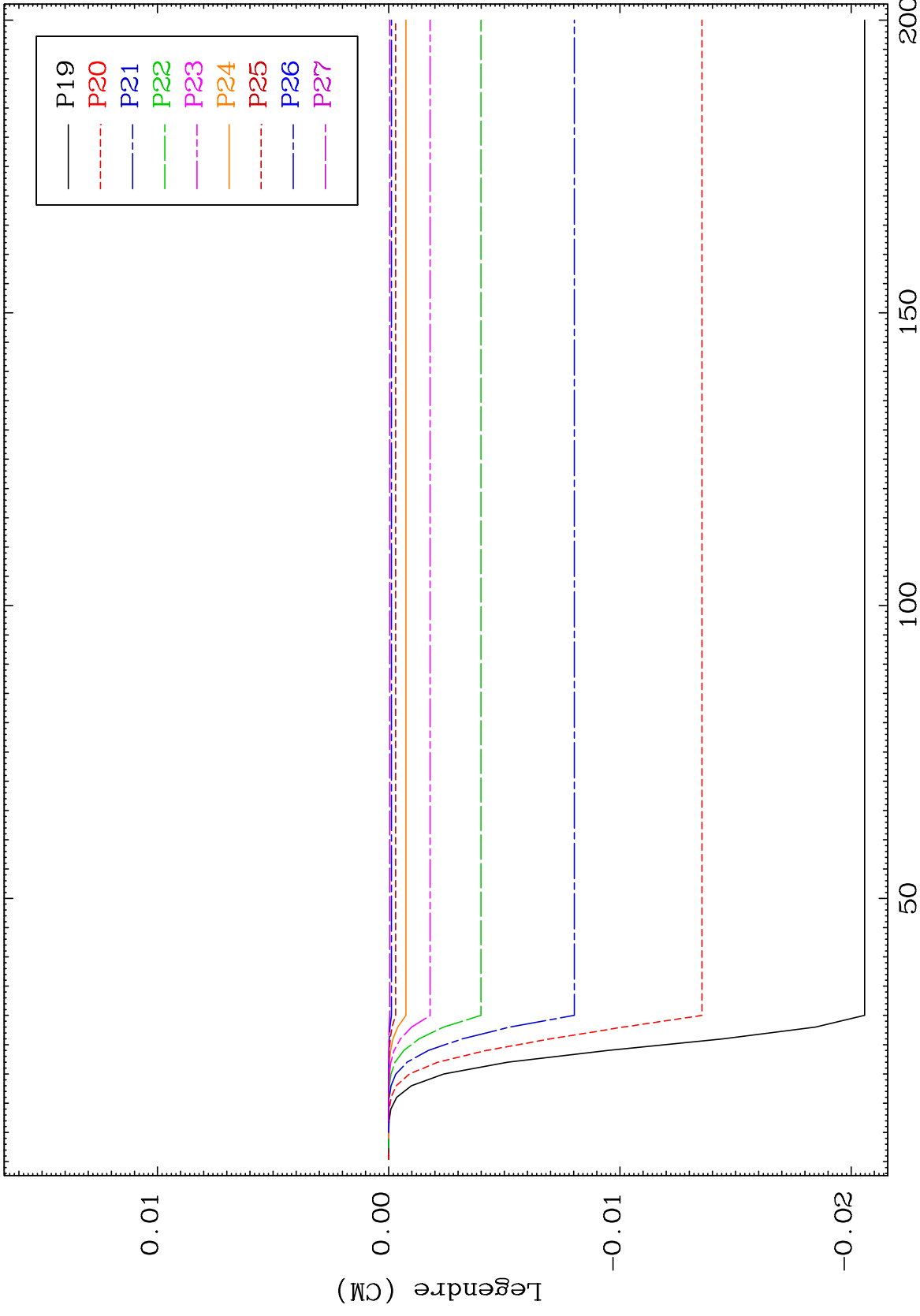
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



134

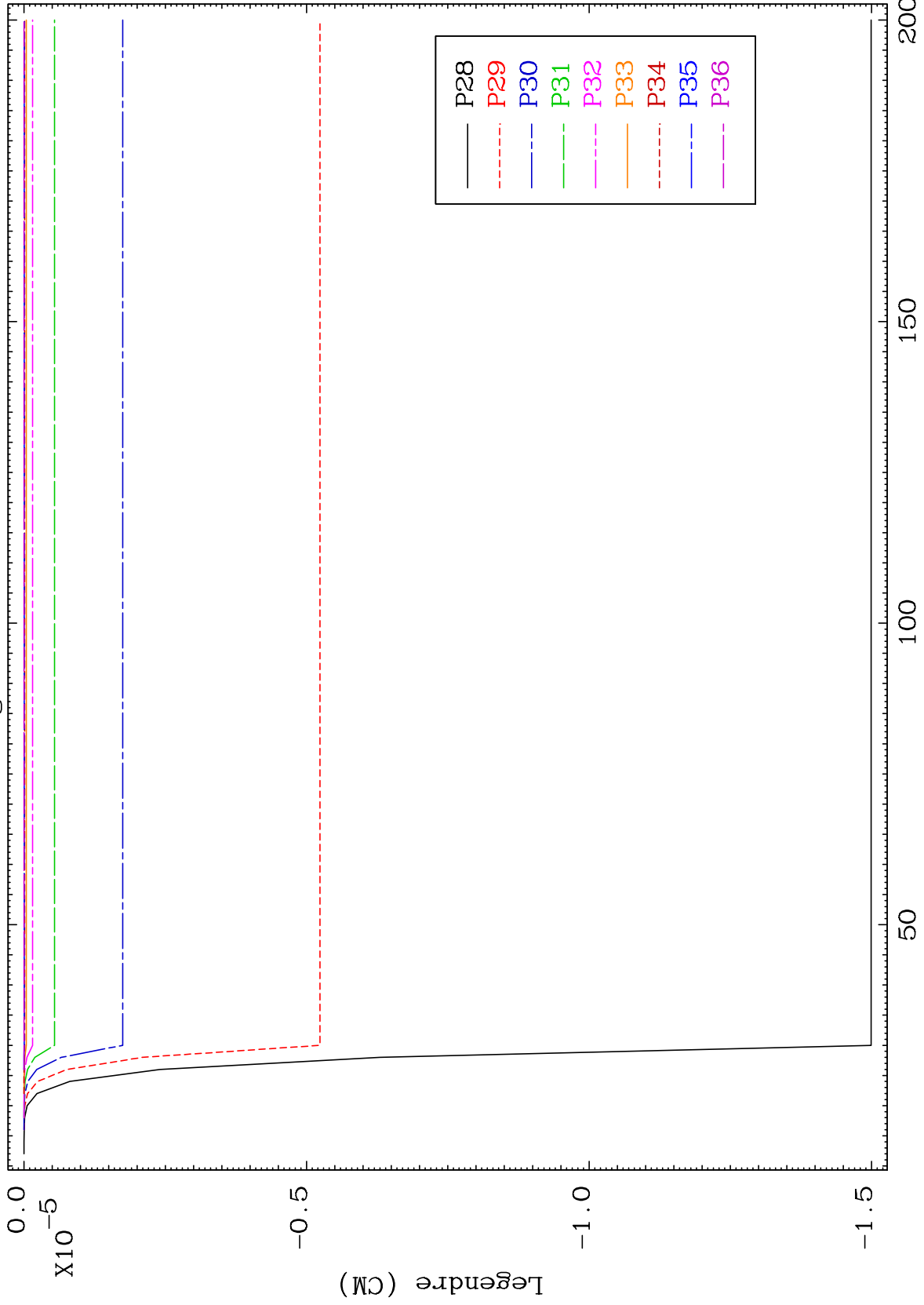
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



135

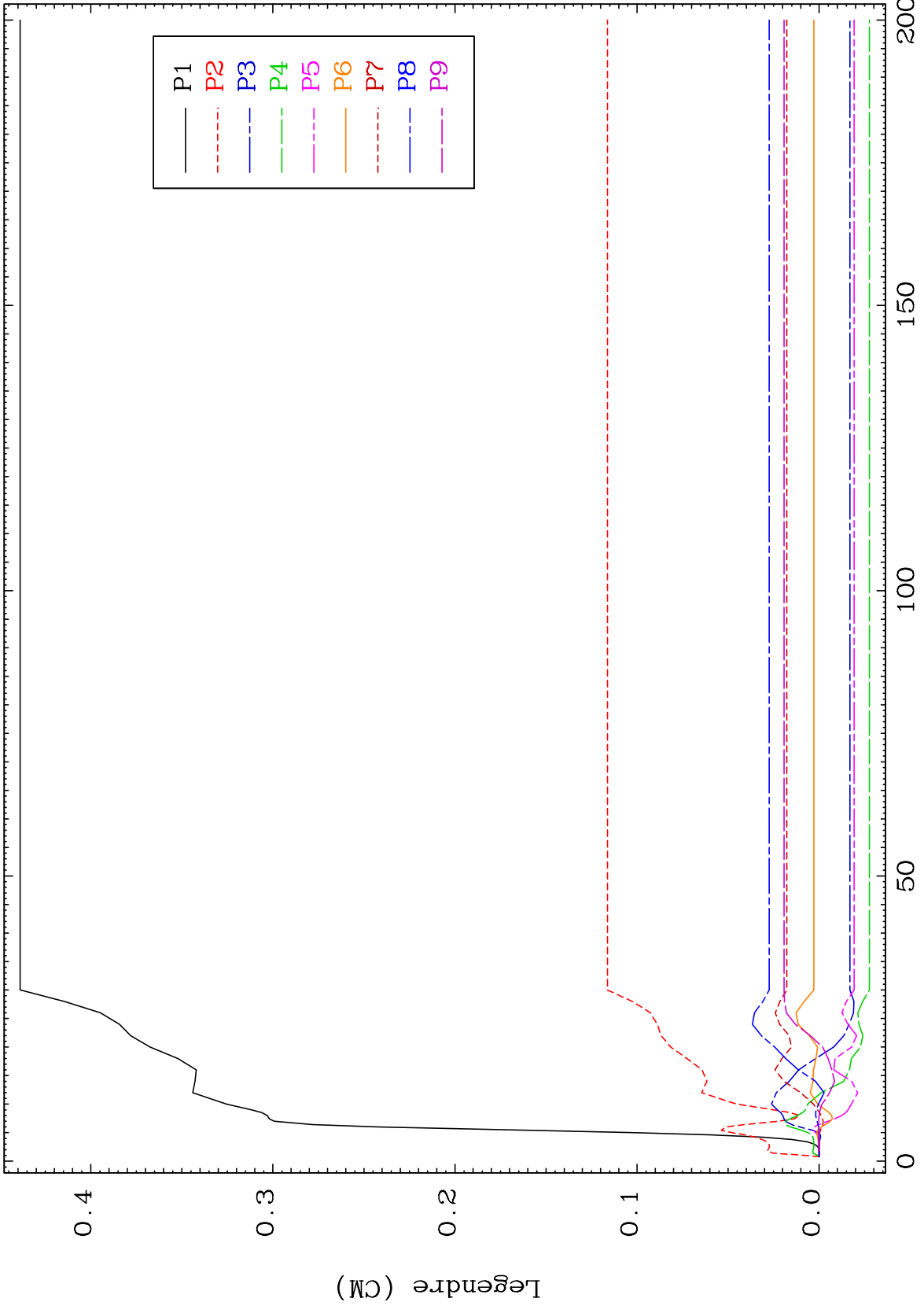
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149

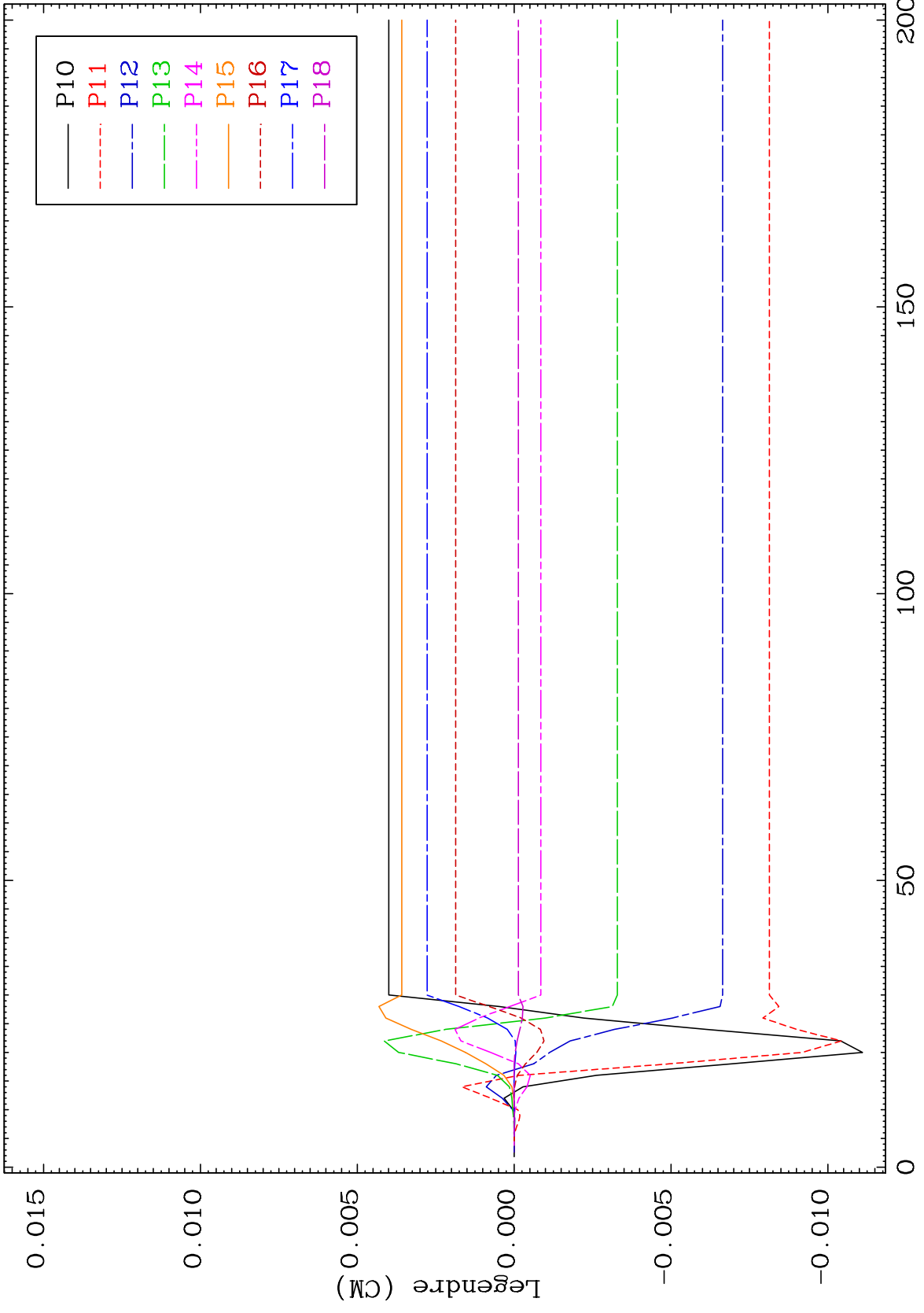


136

Incident Energy (MeV)

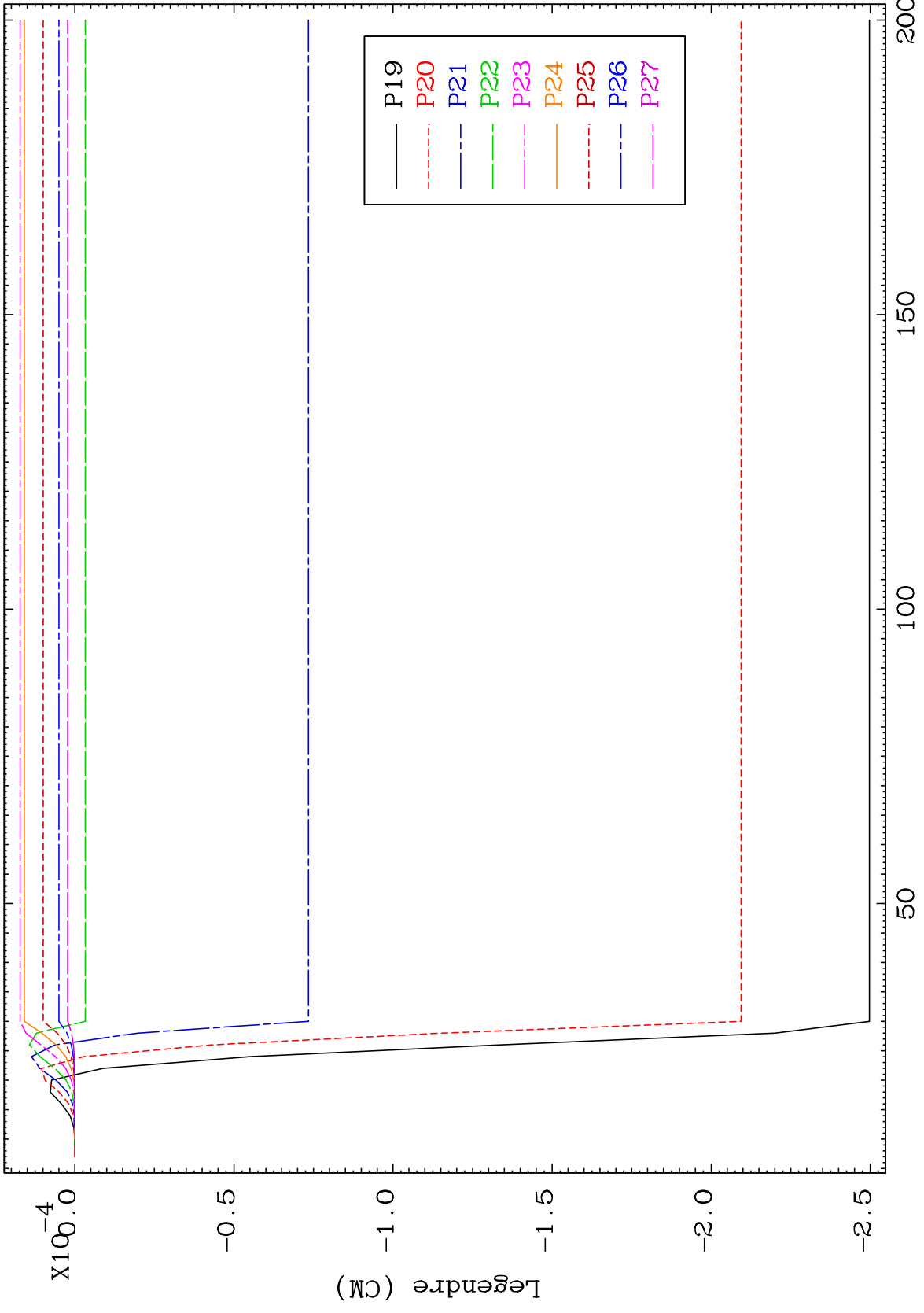
61-Pm-149

MAT 6155 MT= 80 (n,n') Level Legendre Coefficients 61-Pm-149



137 61-Pm-149

MAT 6155 MT= 80 (n,n') Level Legendre Coefficients 61-Pm-149

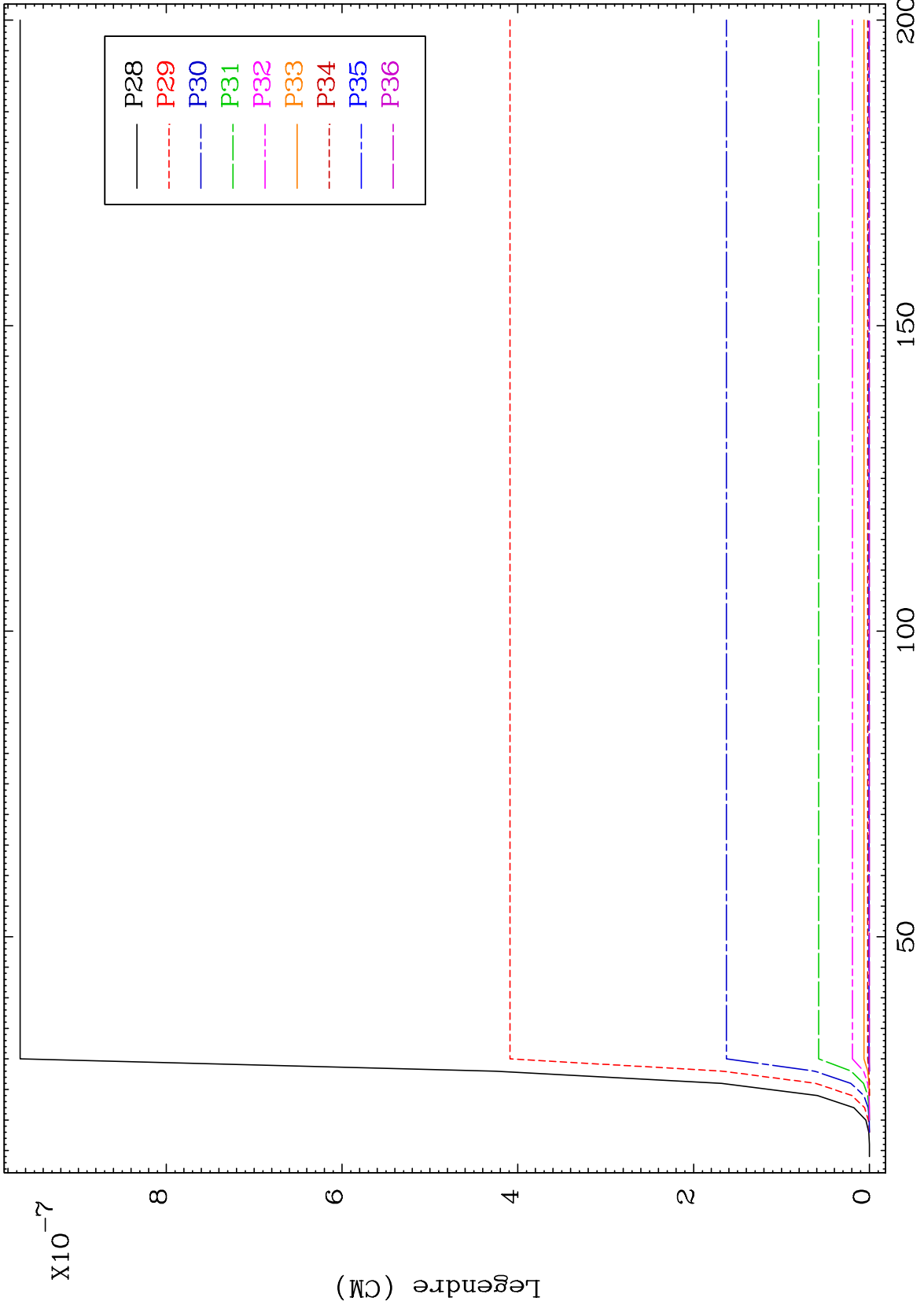


138 61-Pm-149

MAT 6155

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

61-Pm-149



139

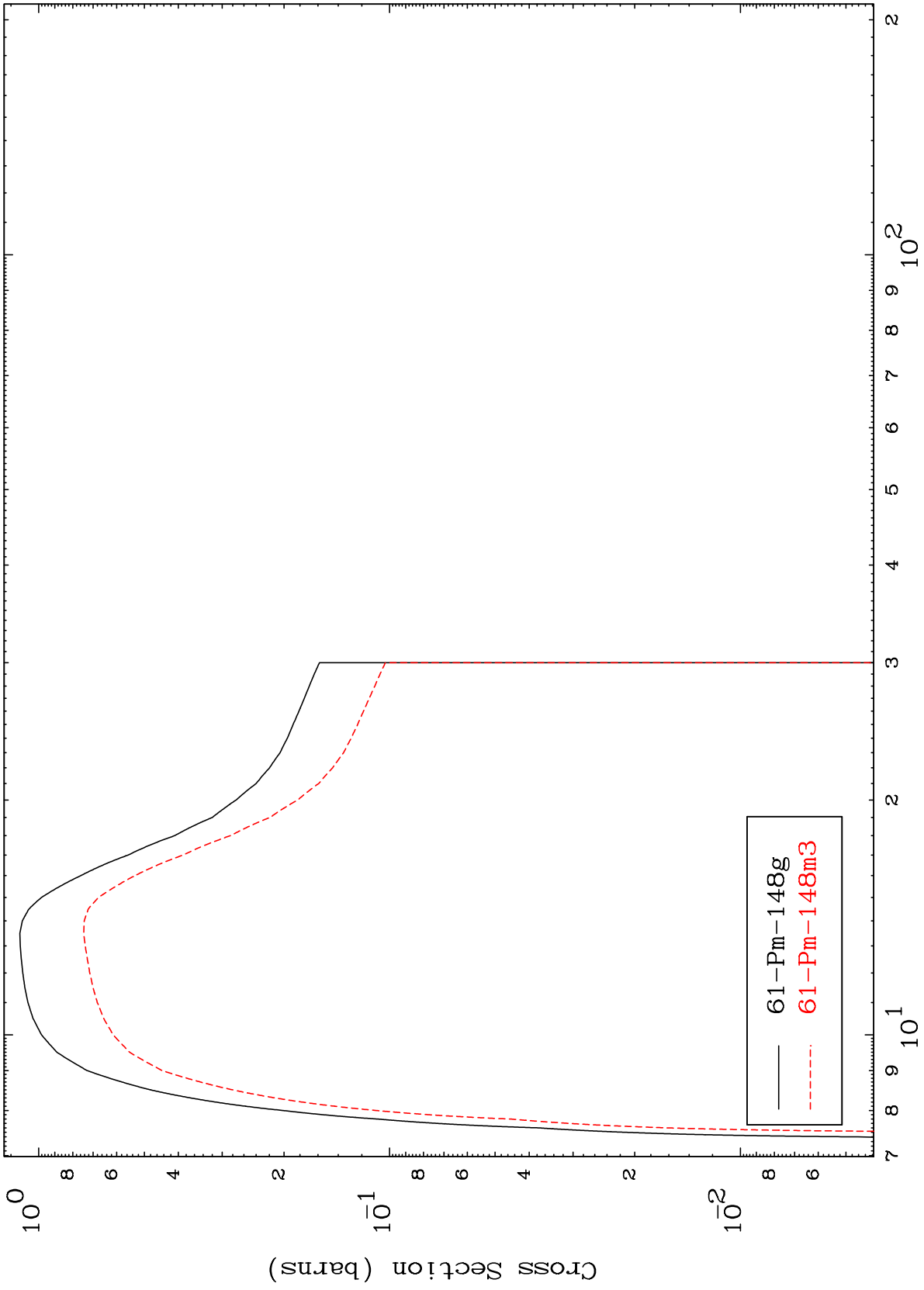
Incident Energy (MeV)

61-Pm-149

MAT 6155

61-Pm-149

(n,2n)
Radionuclide Production Cross Section



140

Incident Energy (MeV)

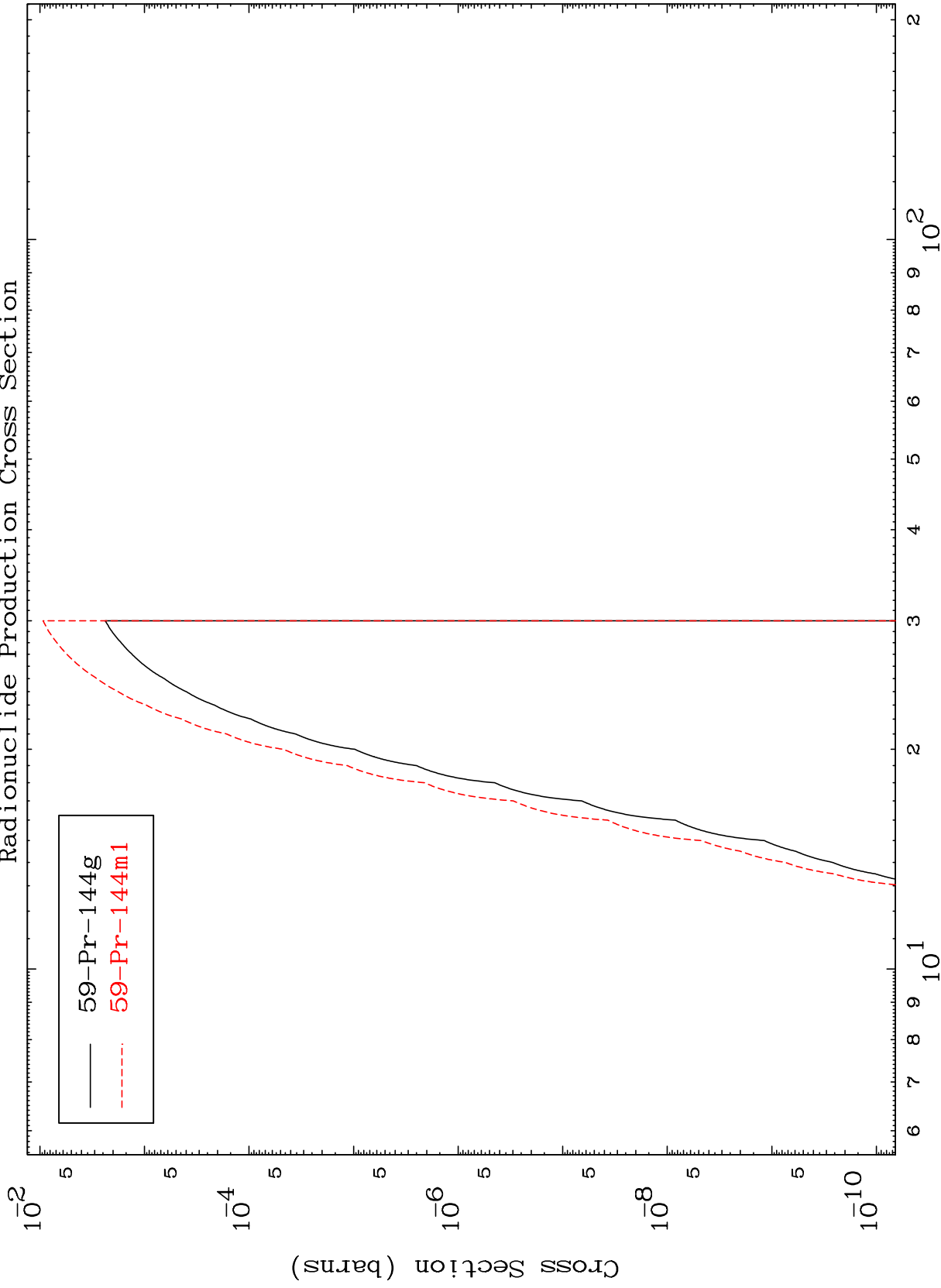
61-Pm-149

MAT 6155

(n,2n) α

61-Pm-149

Radionuclide Production Cross Section



141

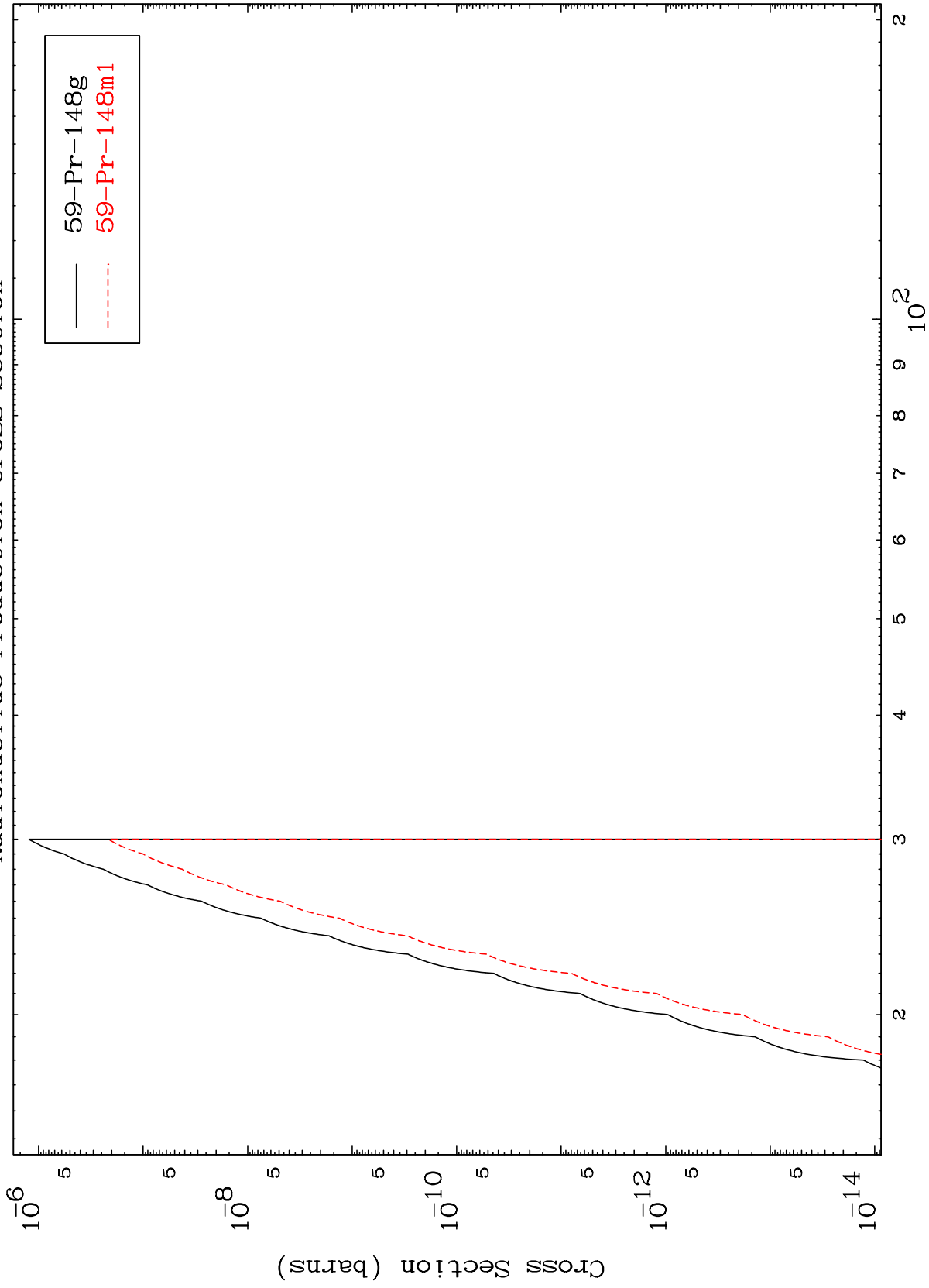
Incident Energy (MeV)

61-Pm-149

MAT 6155

61-Pm-149

(n,2p)
Radionuclide Production Cross Section



142

Incident Energy (MeV)

61-Pm-149