

Program EVALPLOT
(Version 2021-1)

by

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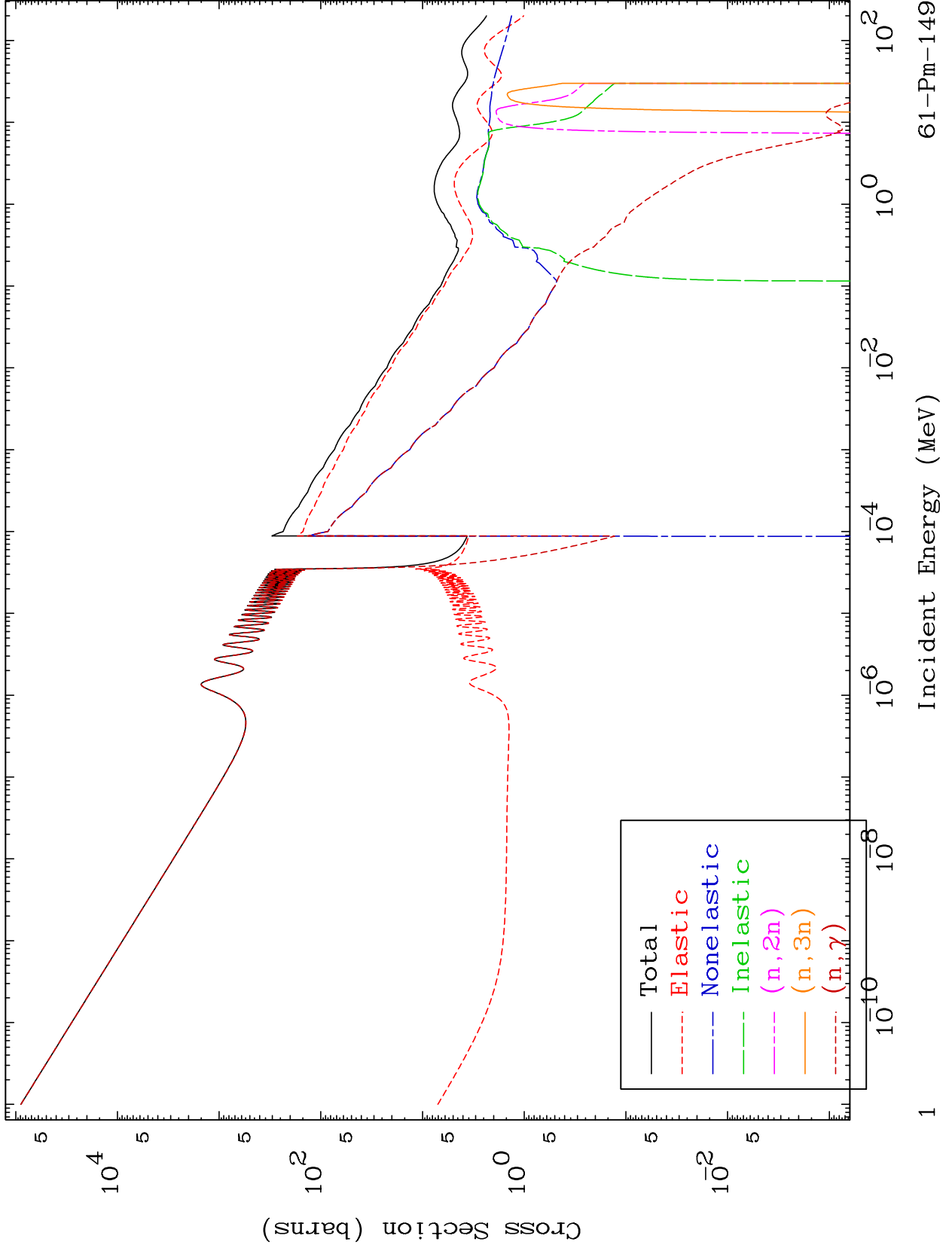
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6155

Neutron Major
293 Kelvin Cross Sections

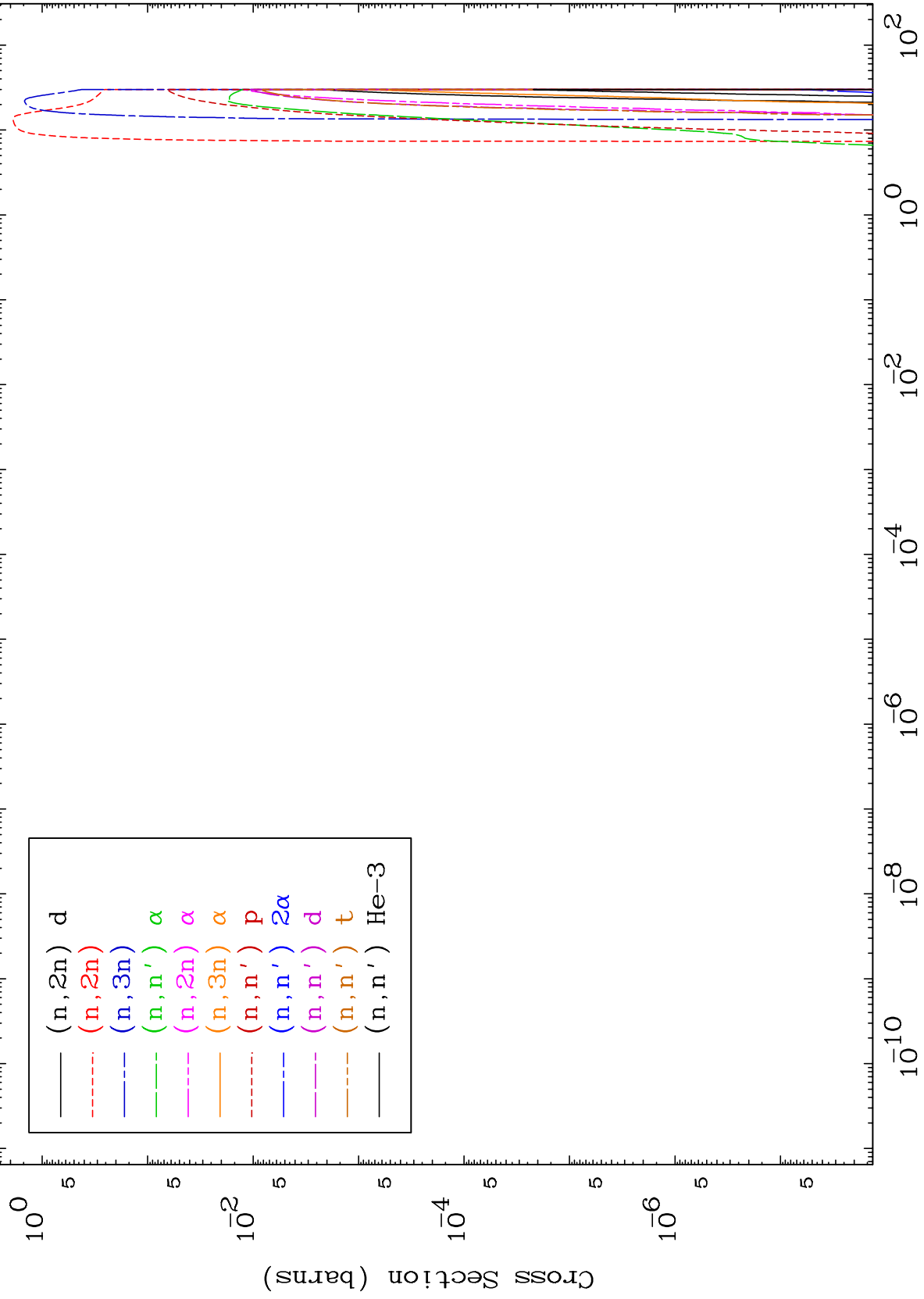
61-Pm-149



MAT 6155

Neutron Absorption
293 Kelvin Cross Sections

61-Pm-149



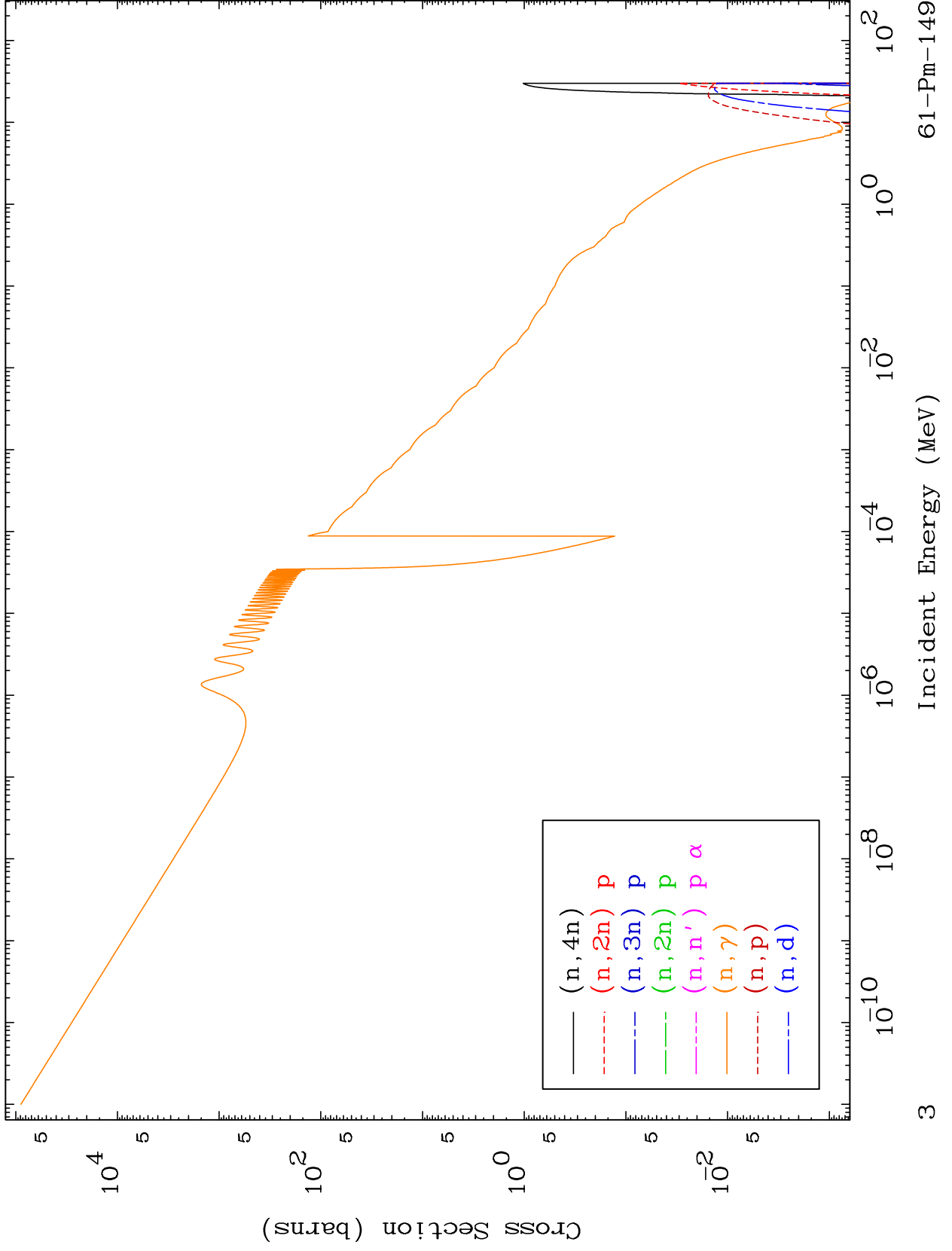
61-Pm-149

Incident Energy (MeV)

MAT 6155

Neutron Absorption
293 Kelvin Cross Sections

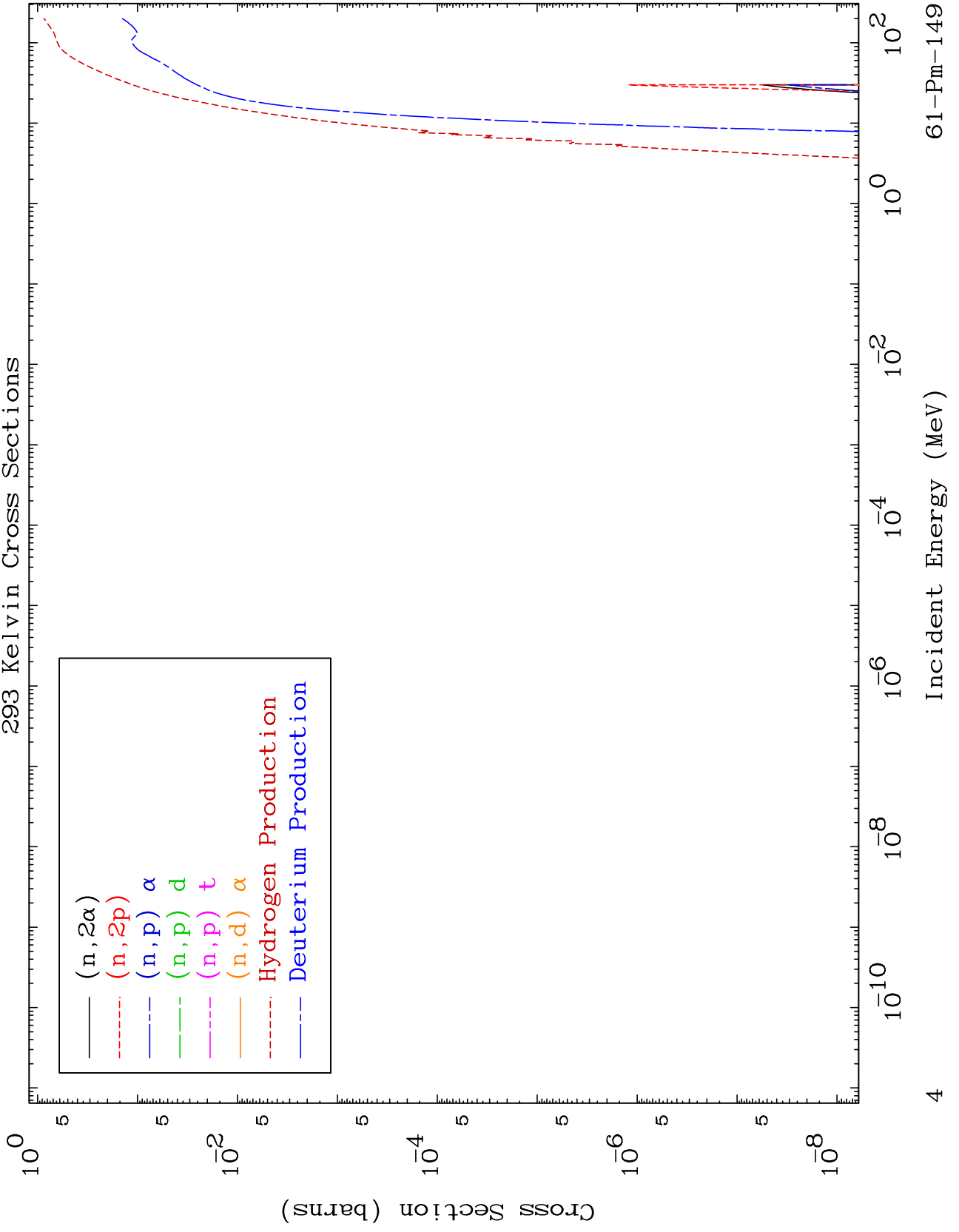
61-Pm-149



MAT 6155

Neutron Absorption
293 Kelvin Cross Sections

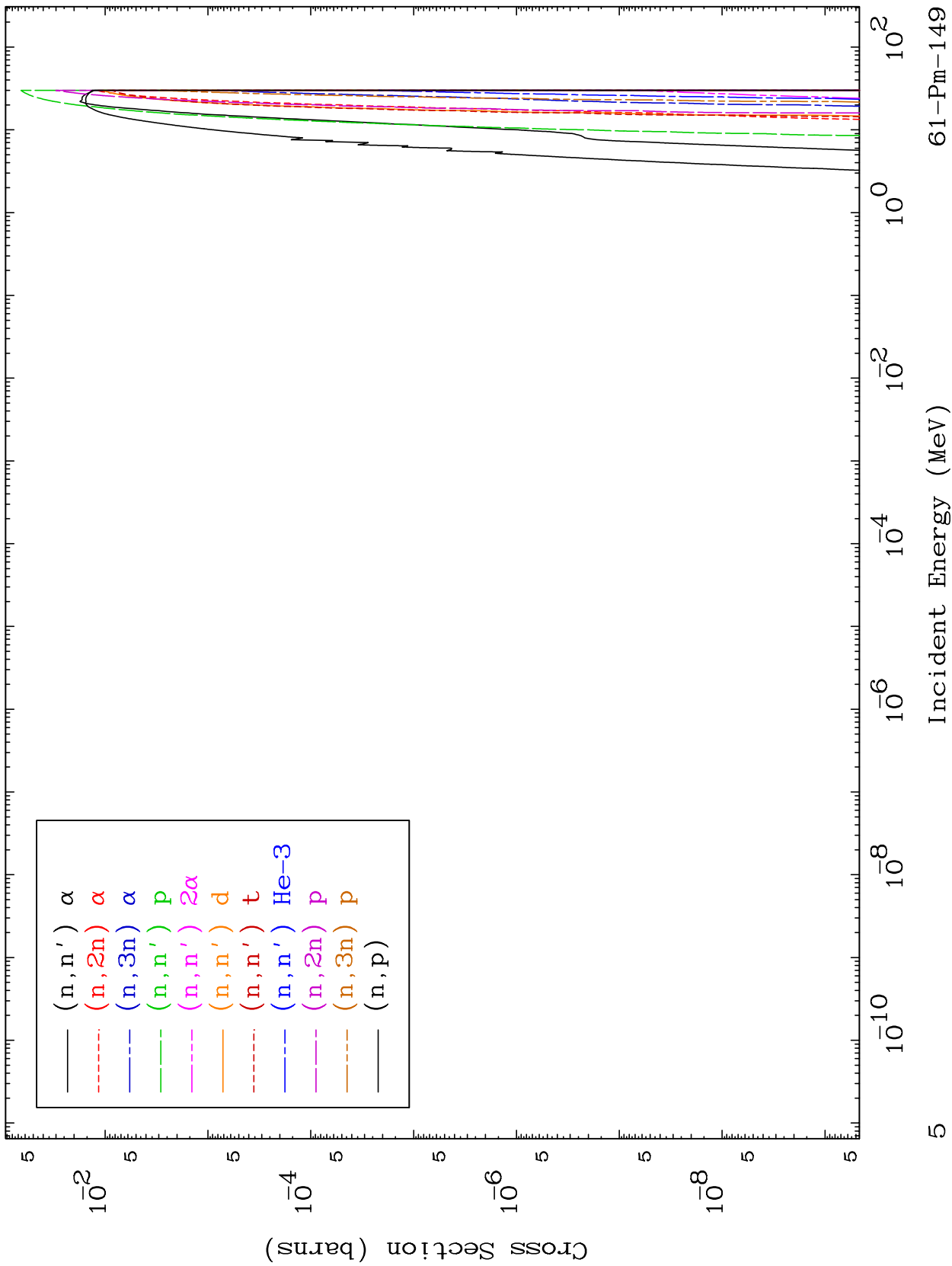
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MAT 6155

Charged Particle
293 Kelvin Cross Sections

61-Pm-149



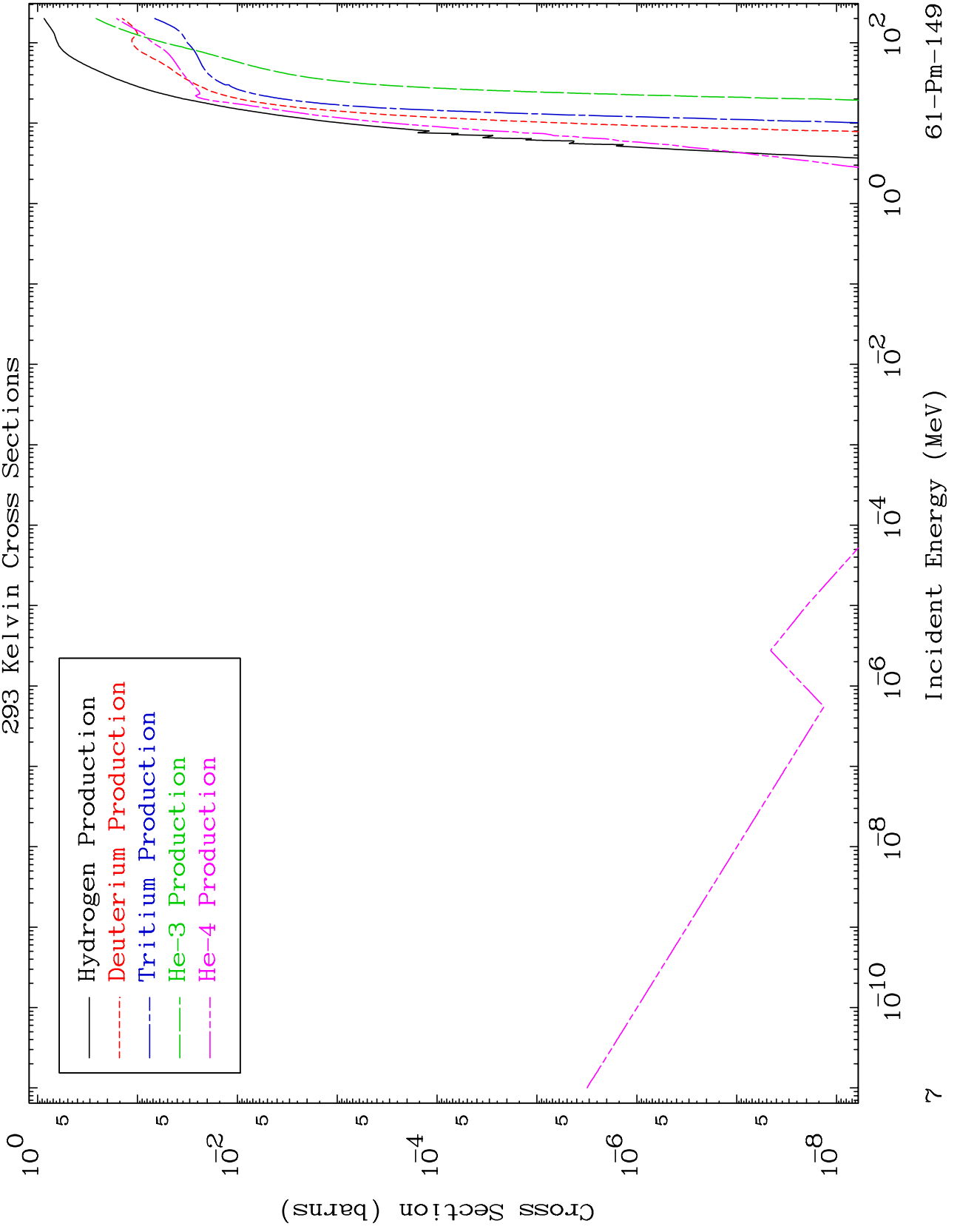
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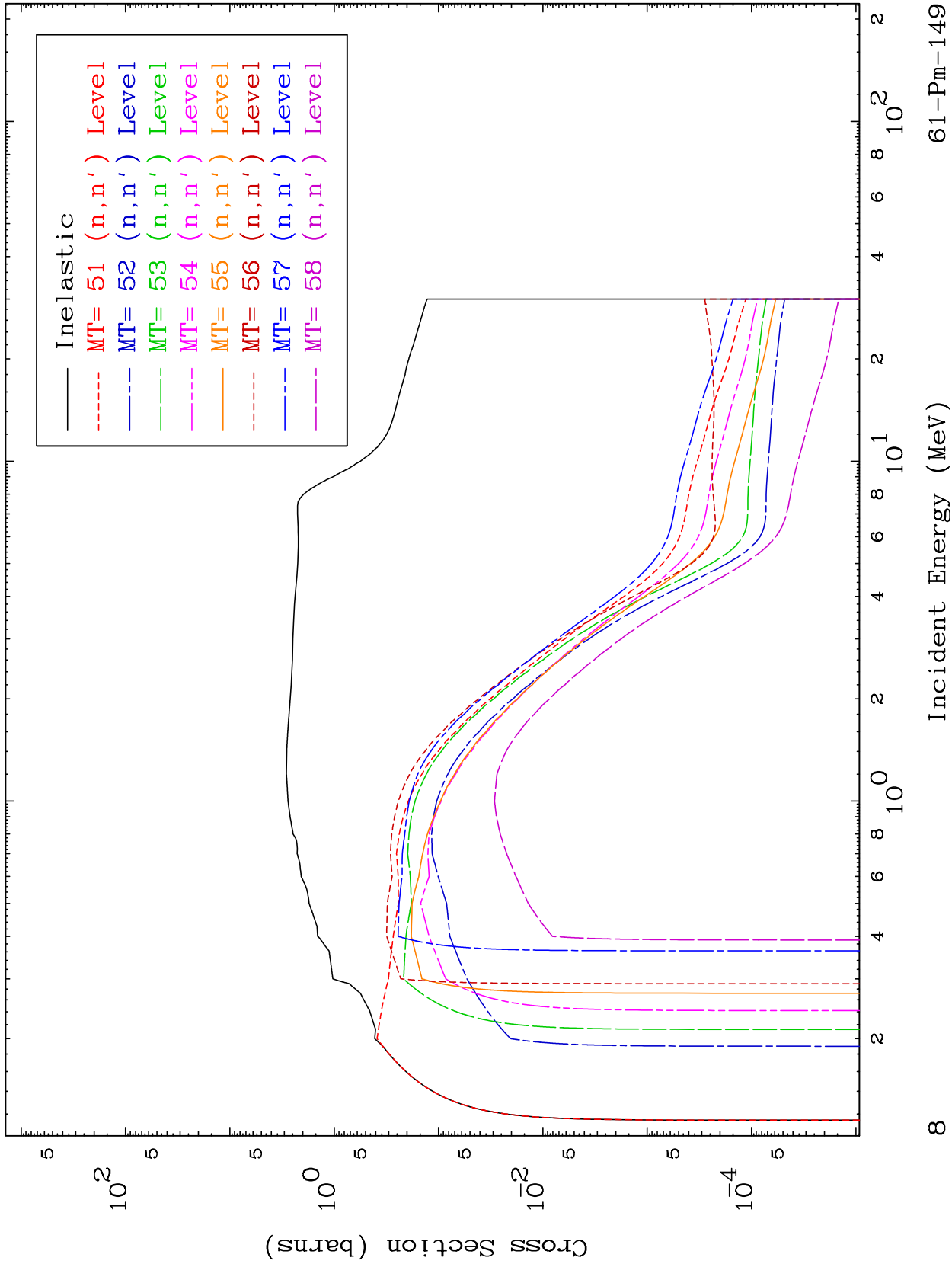
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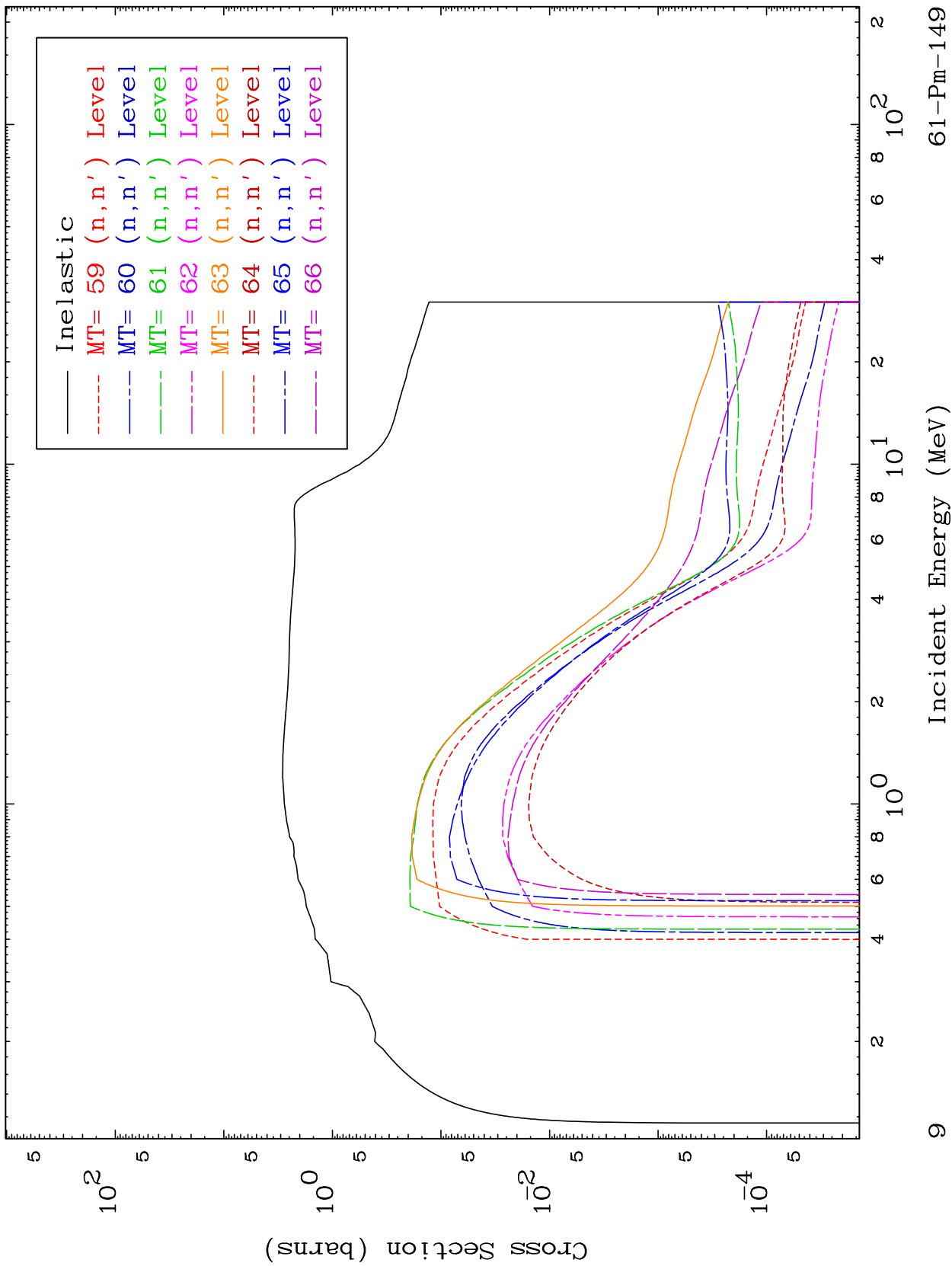
MAT 6155

Particle Production
293 Kelvin Cross Sections

61-Pm-149





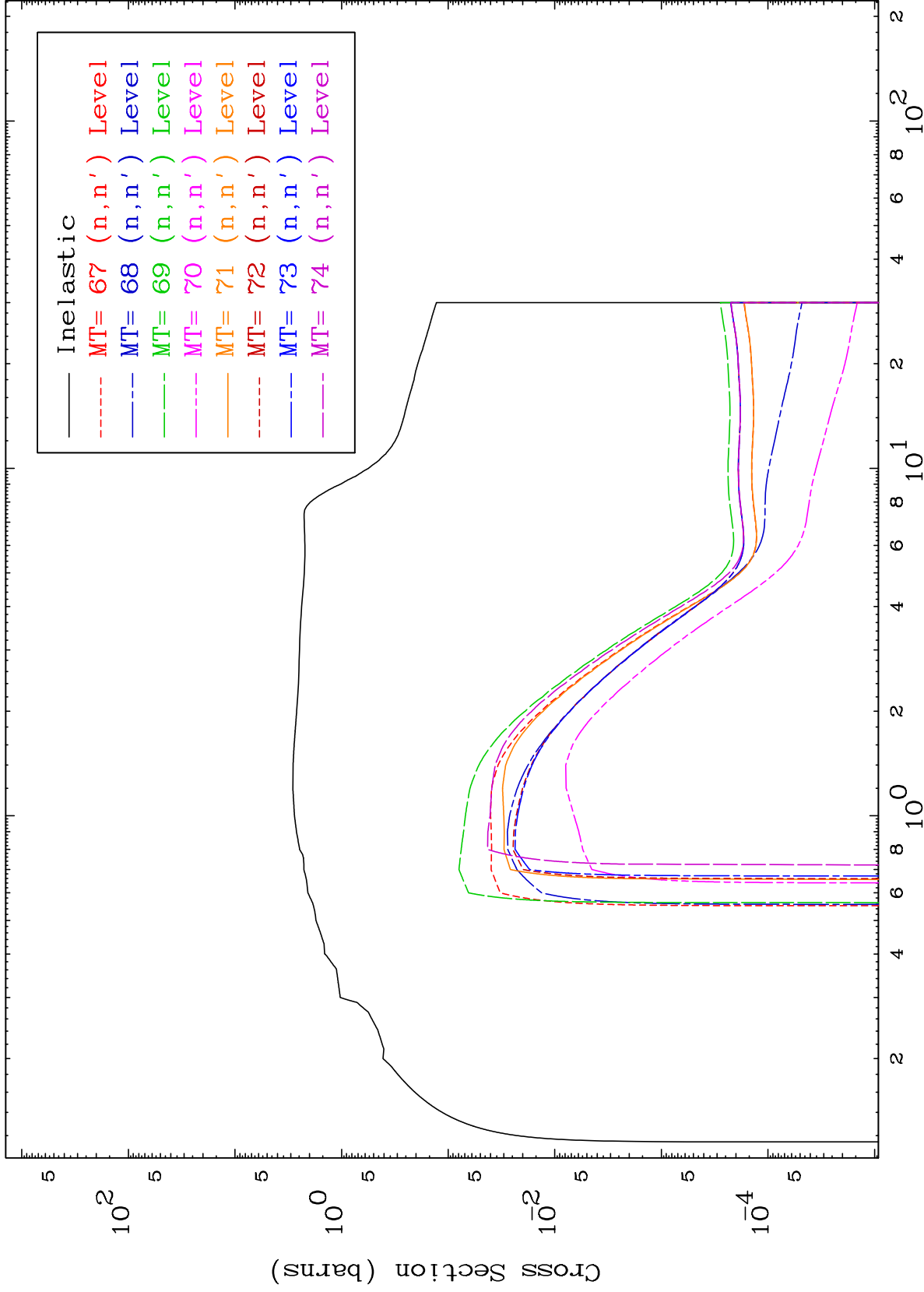


MAT 6155

(n,n') Levels

61-Pm-149

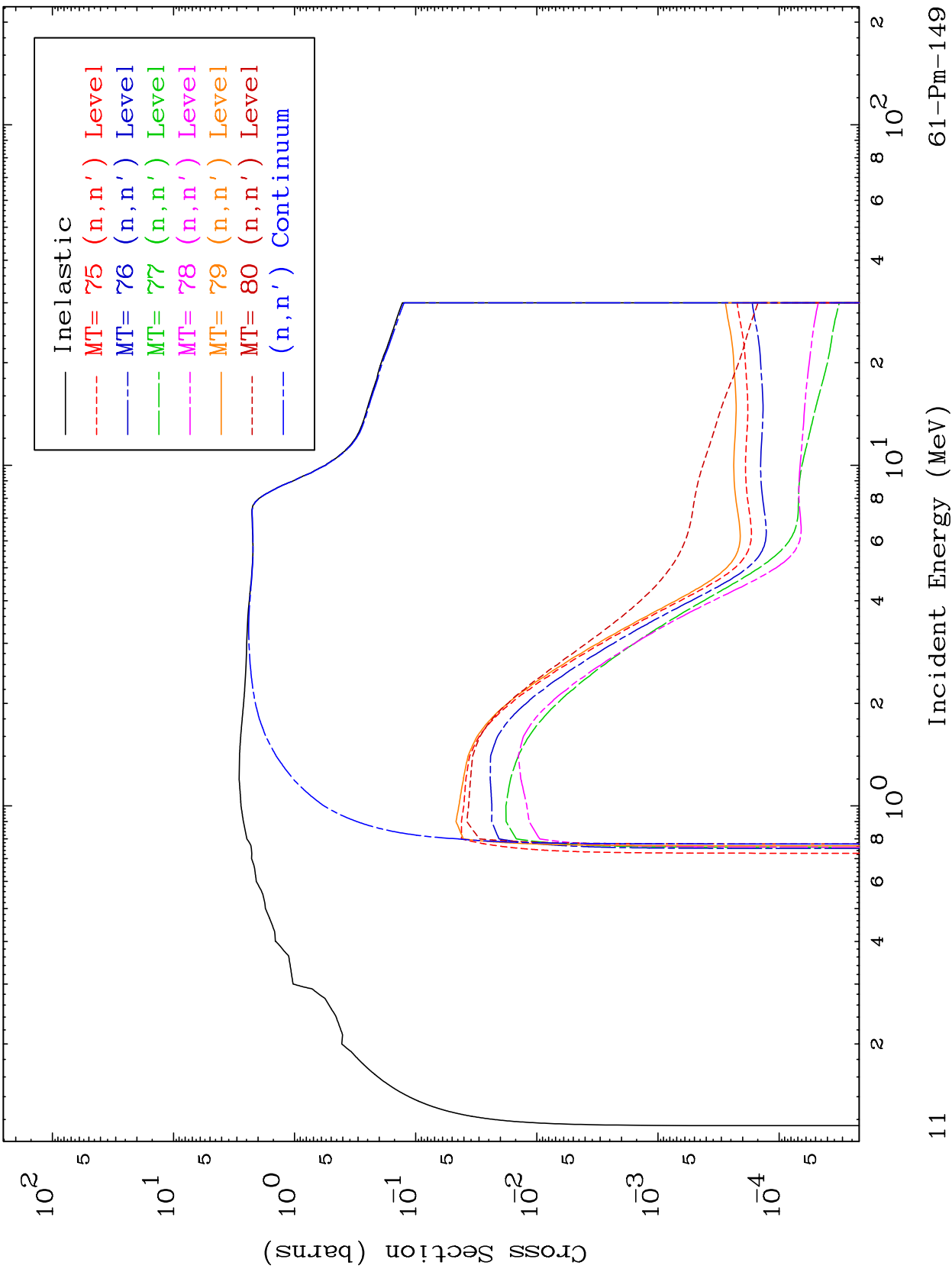
293 Kelvin Cross Sections



10

Incident Energy (MeV)

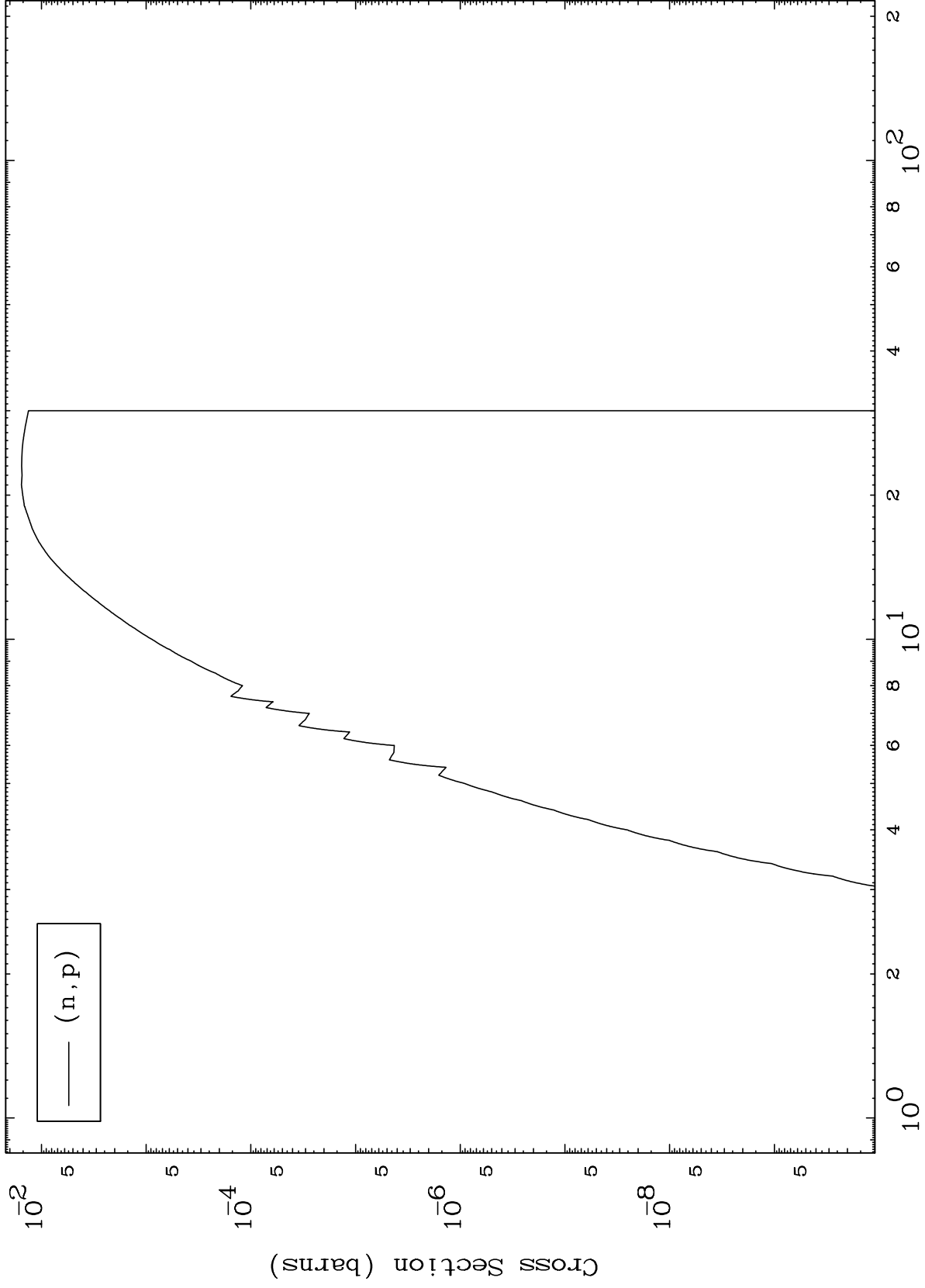
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MAT 6155

(n,p) Levels
293 Kelvin Cross Sections

61-Pm-149



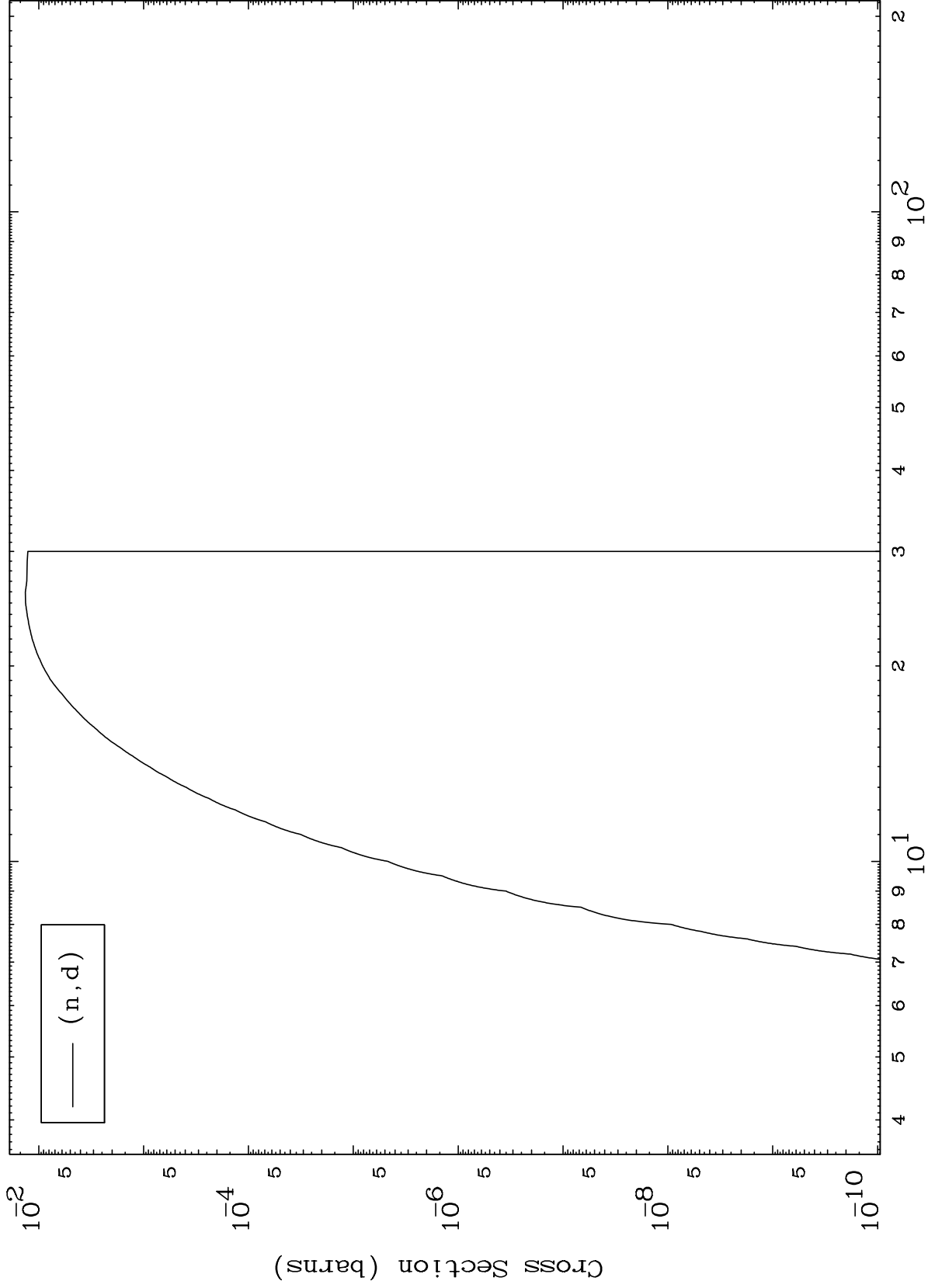
Incident Energy (MeV)

61-Pm-149

MAT 6155

(n,d) Levels
293 Kelvin Cross Sections

61-Pm-149



13

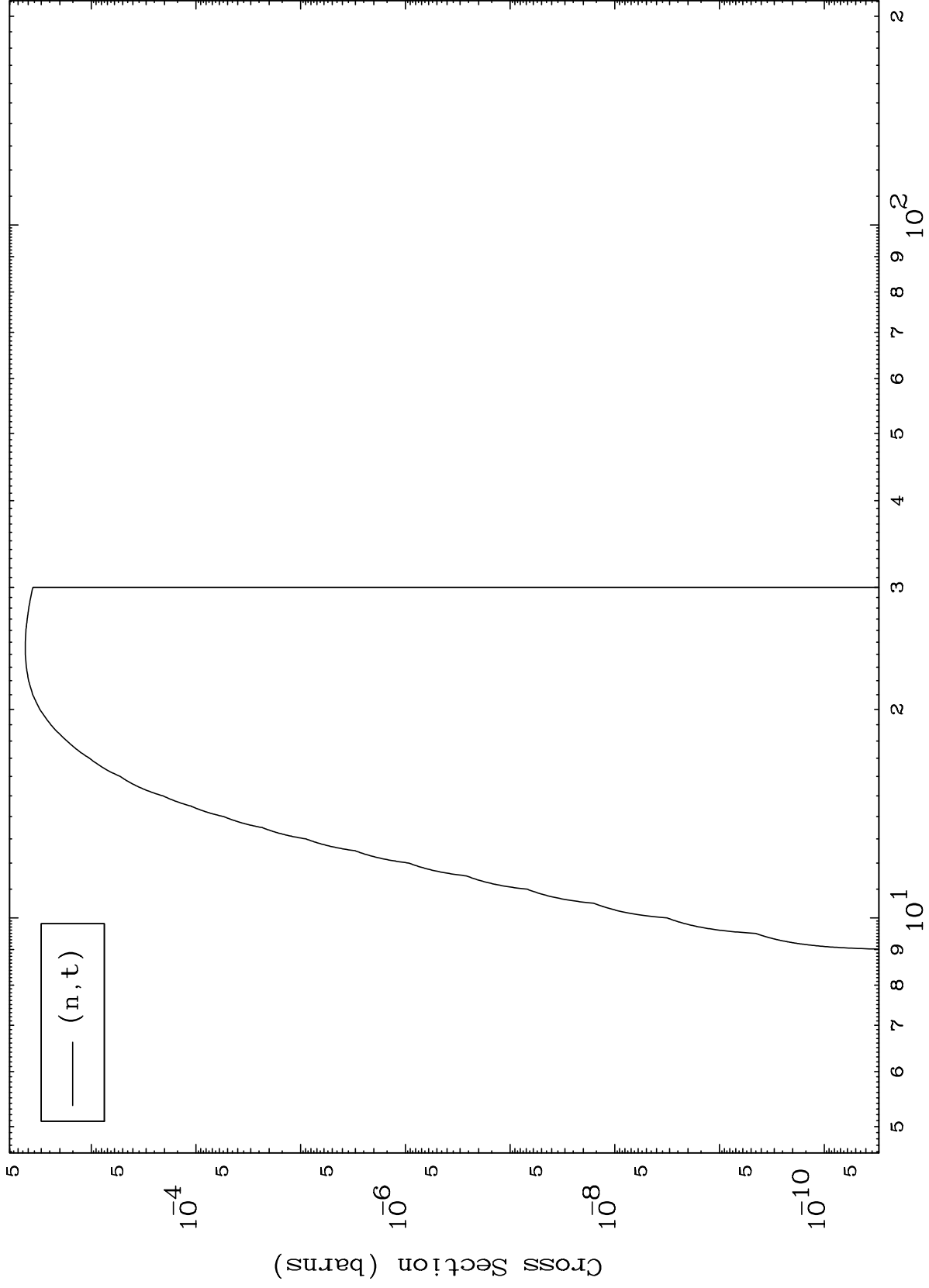
Incident Energy (MeV)

61-Pm-149

MAT 6155

(n,t) Levels
293 Kelvin Cross Sections

61-Pm-149



14

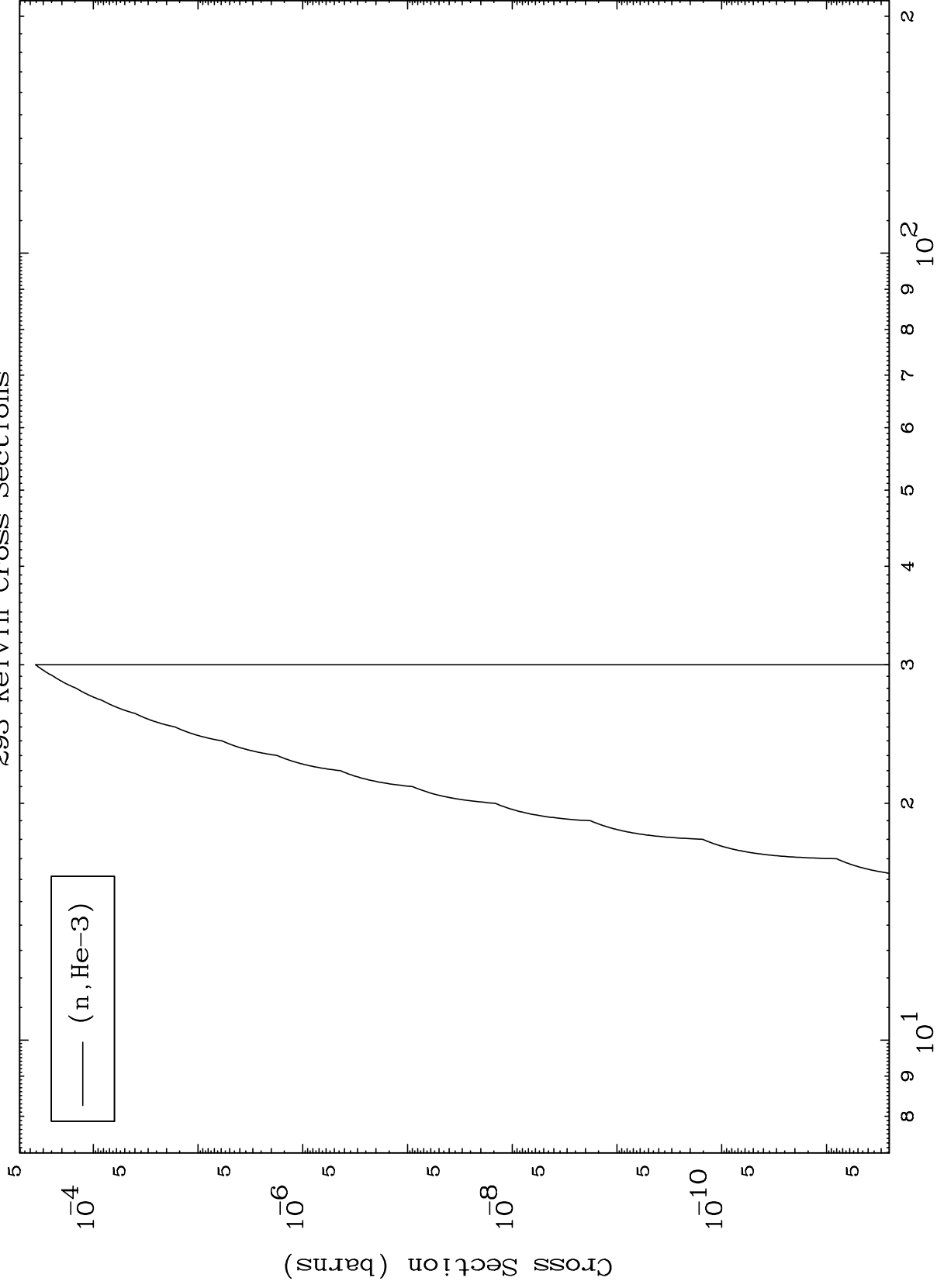
Incident Energy (MeV)

61-Pm-149

MAT 6155

(n,He3) Levels
293 Kelvin Cross Sections

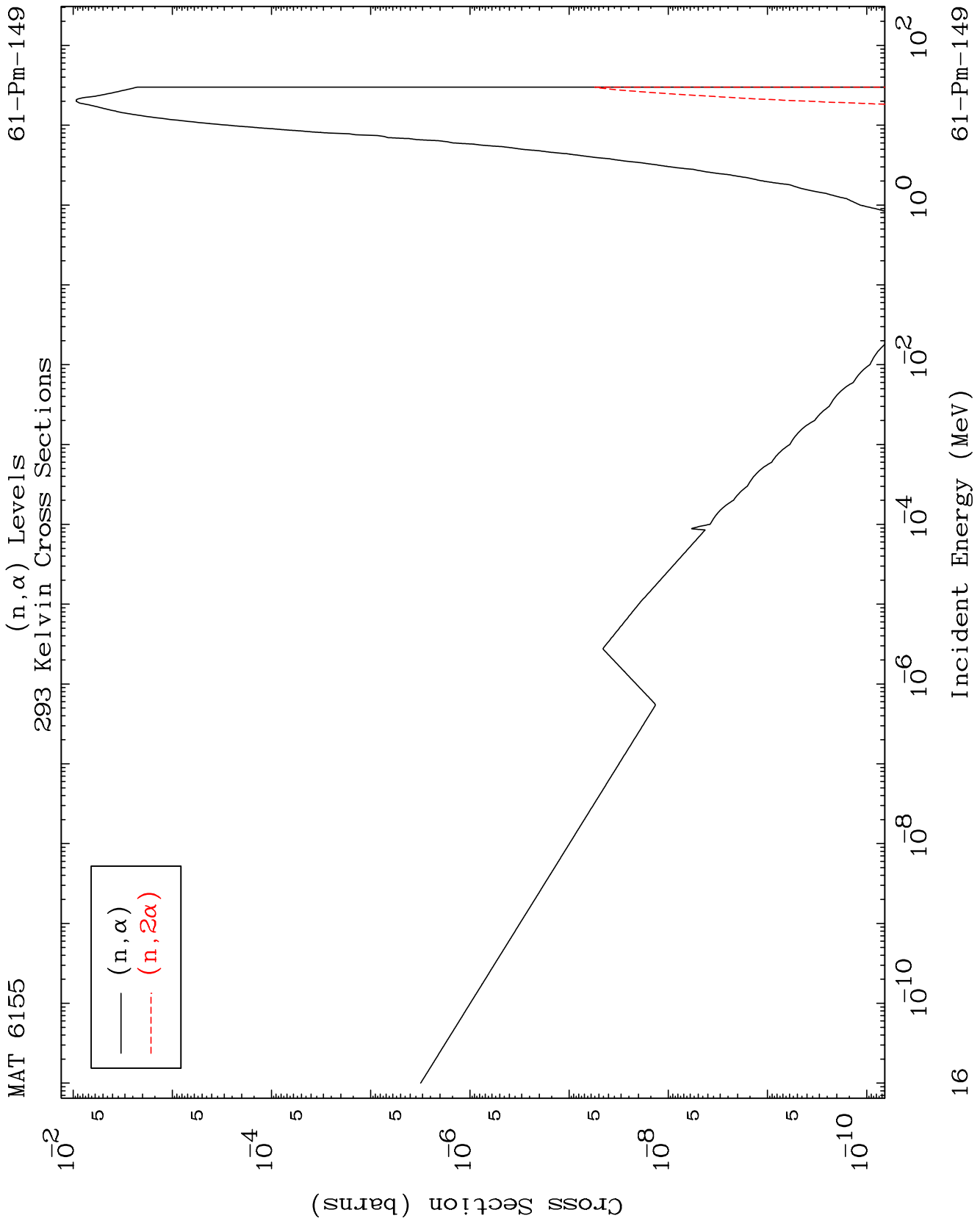
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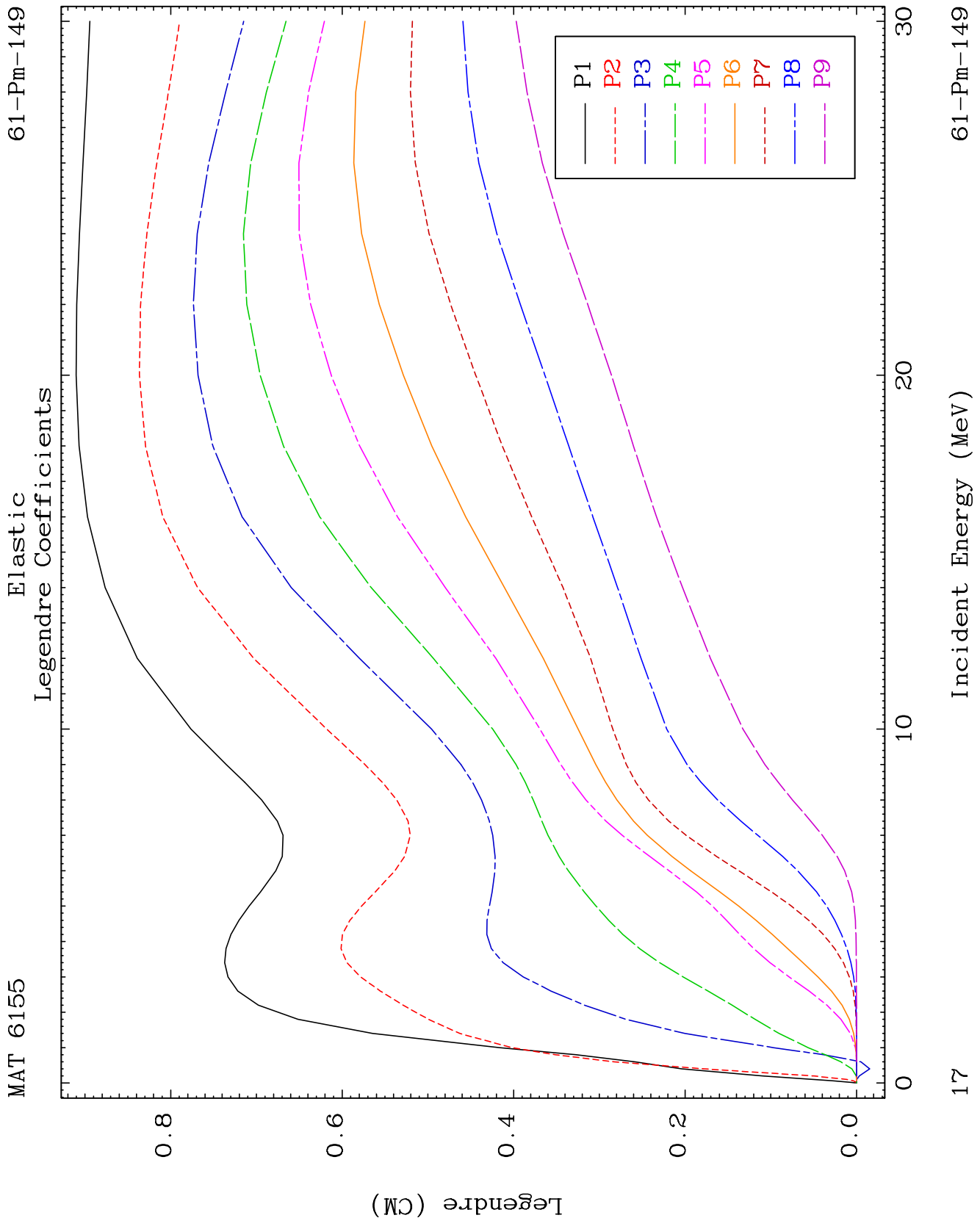


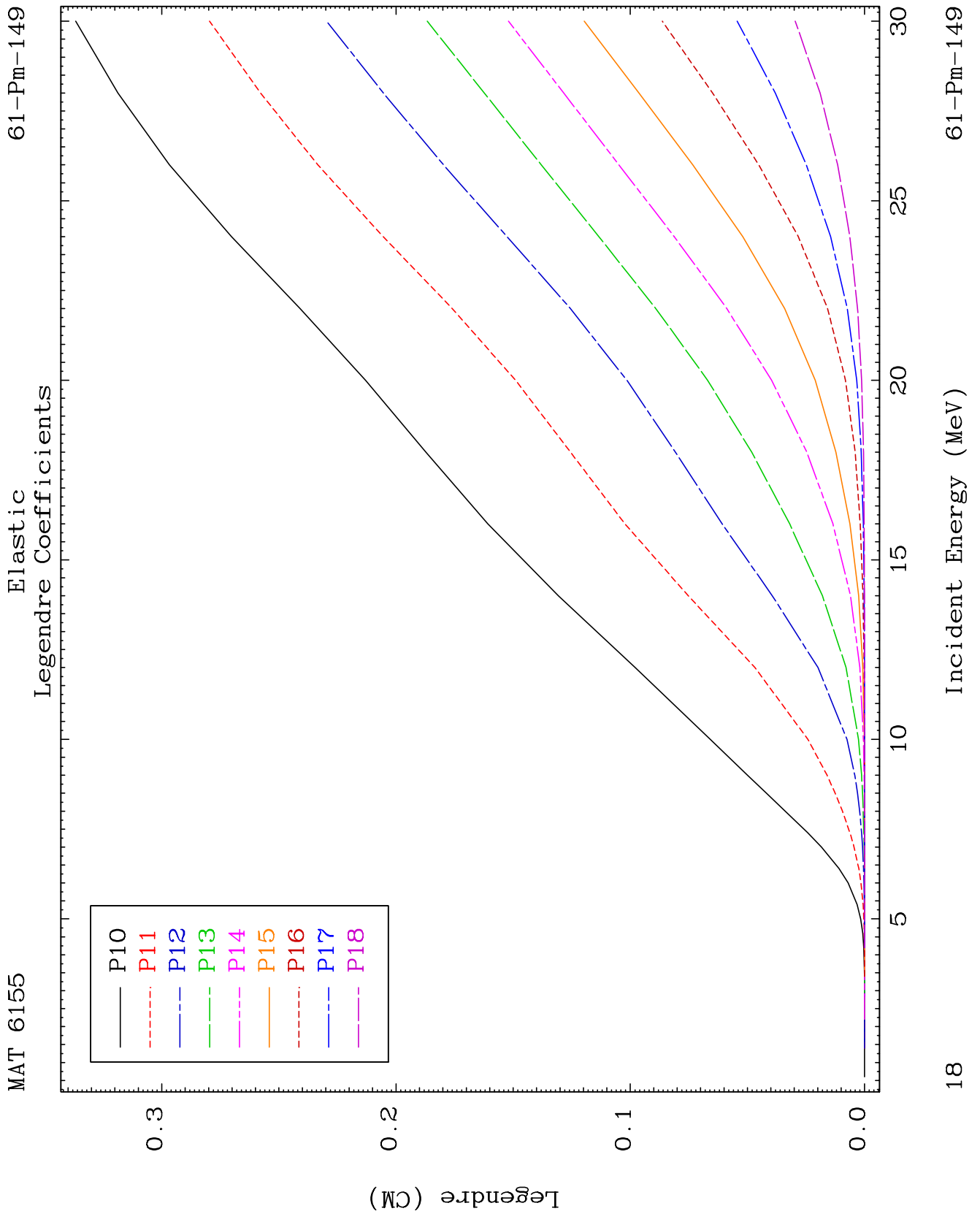
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Incident Energy (MeV)

61-Pm-149



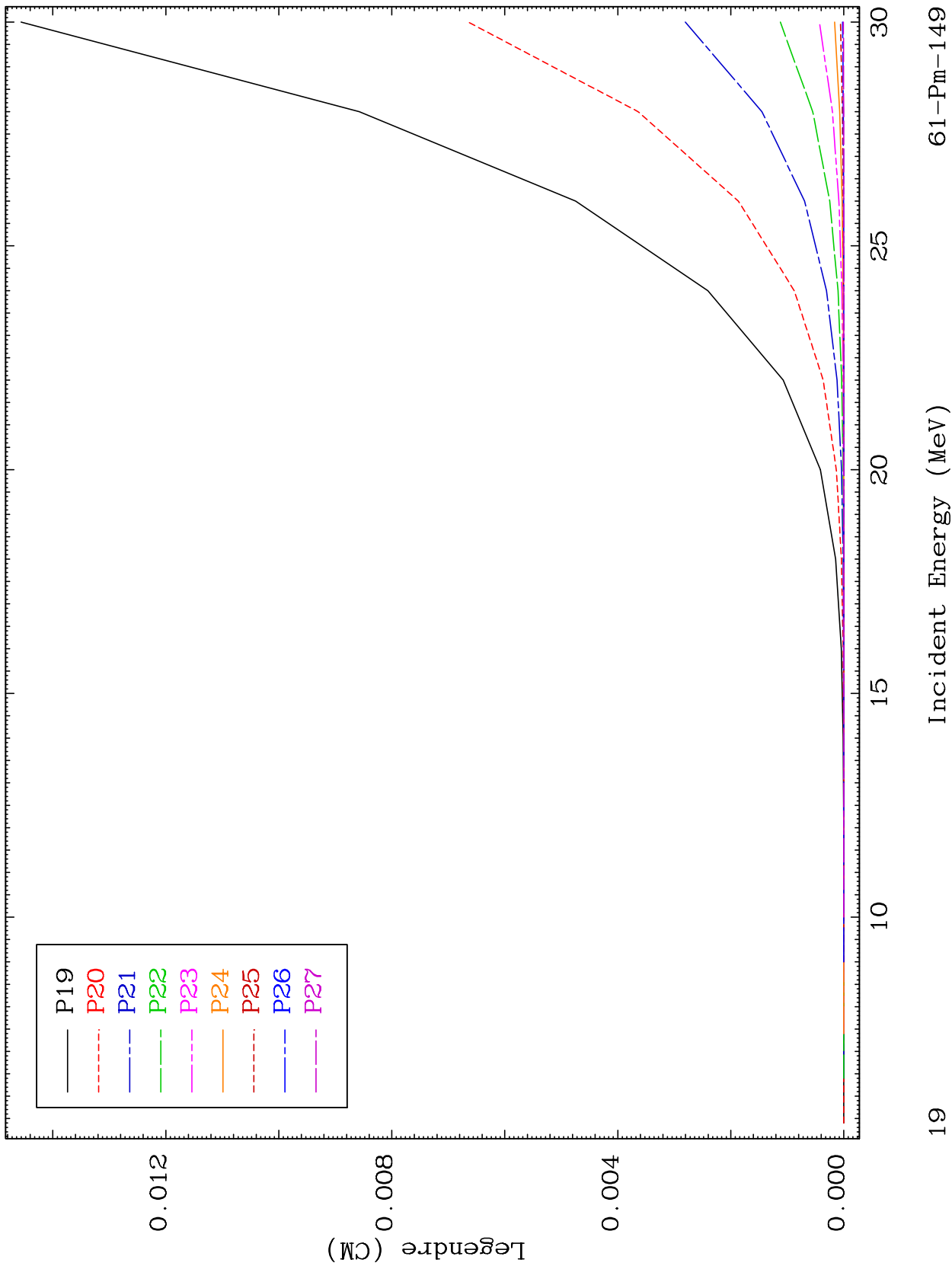




MAT 6155

Elastic
Legendre Coefficients

61-Pm-149



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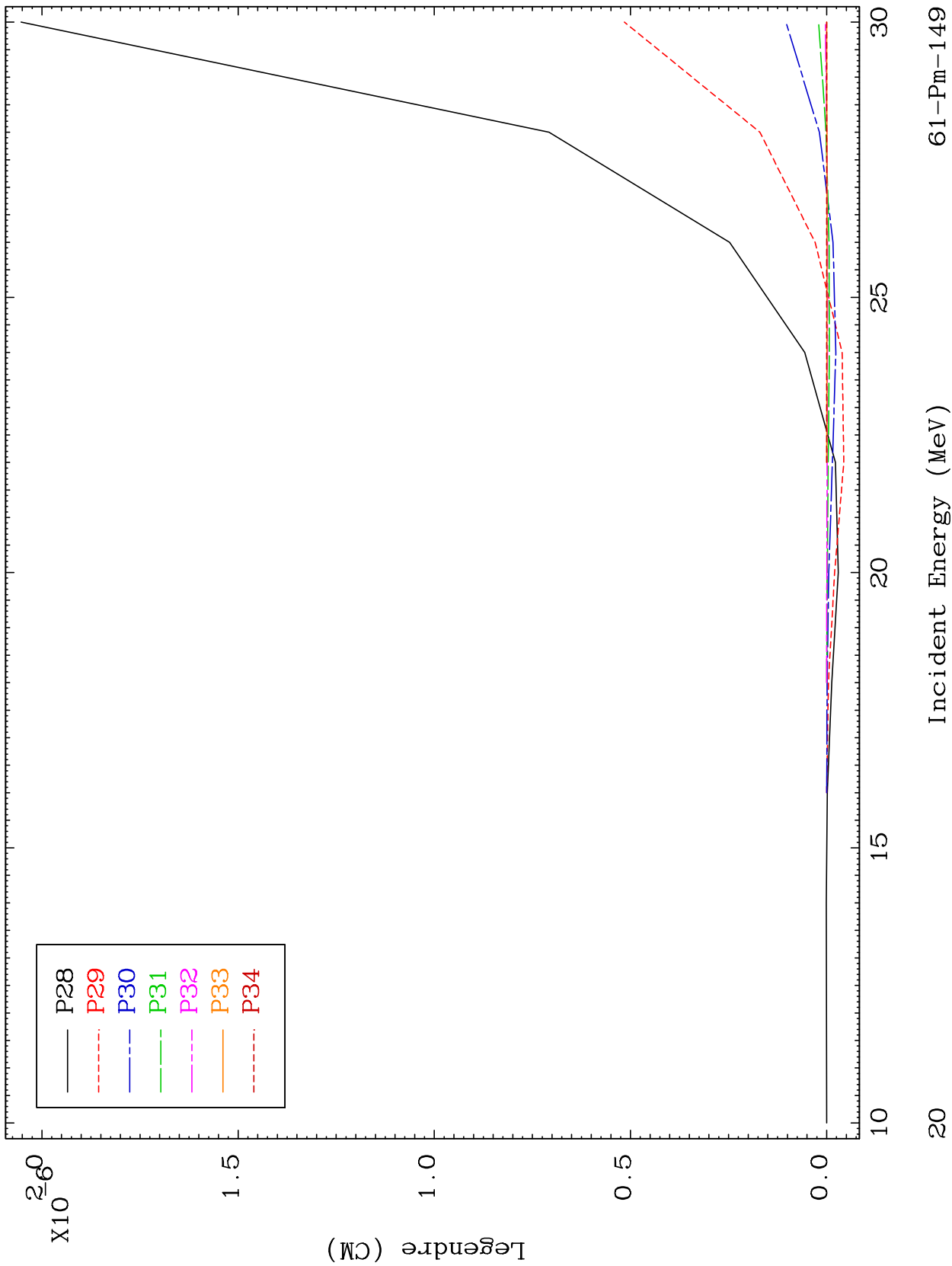
Incident Energy (MeV)

61-Pm-149

MAT 6155

Elastic Legendre Coefficients

61-Pm-149



61-Pm-149

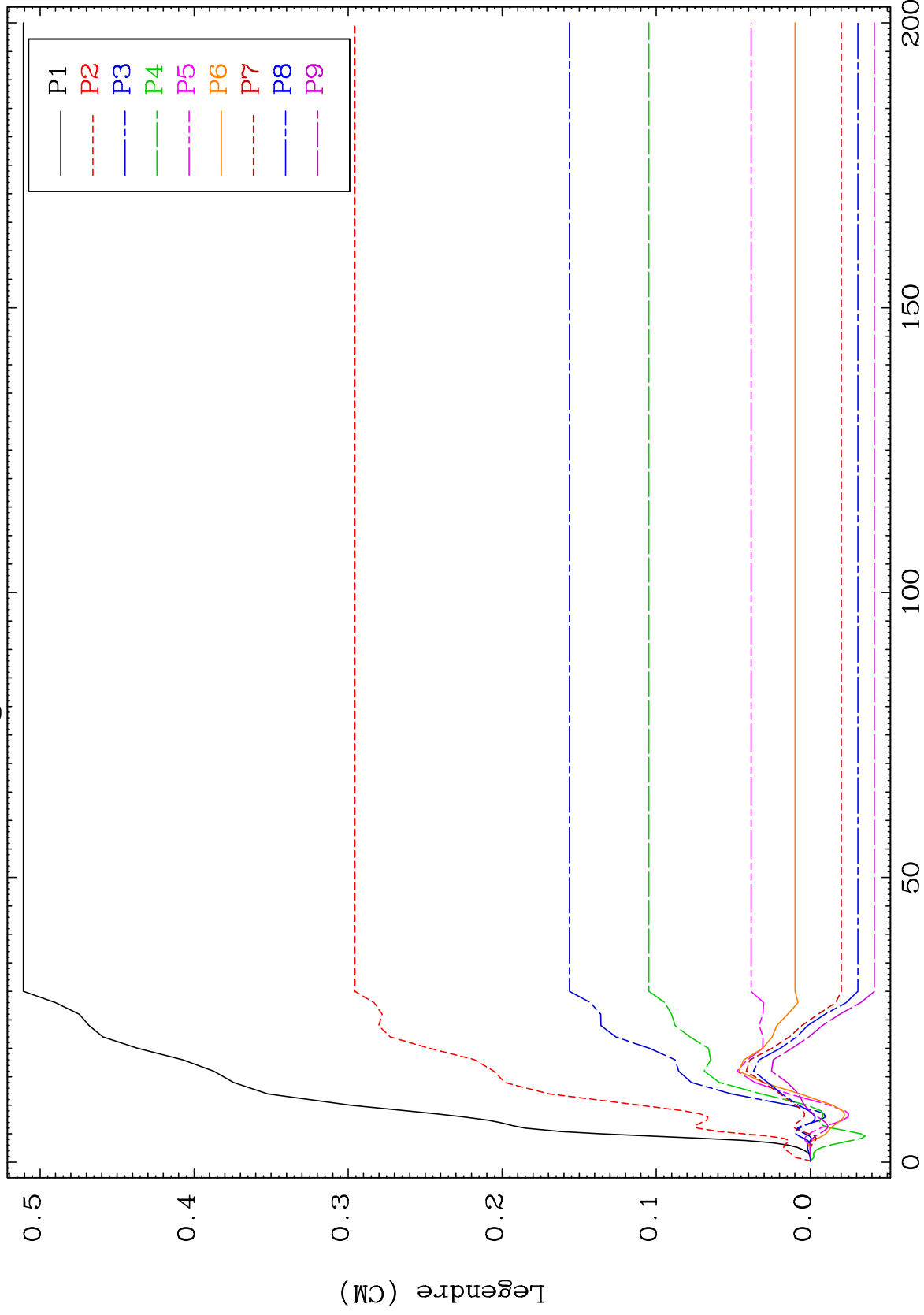
Incident Energy (MeV)

20

MAT 6155

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

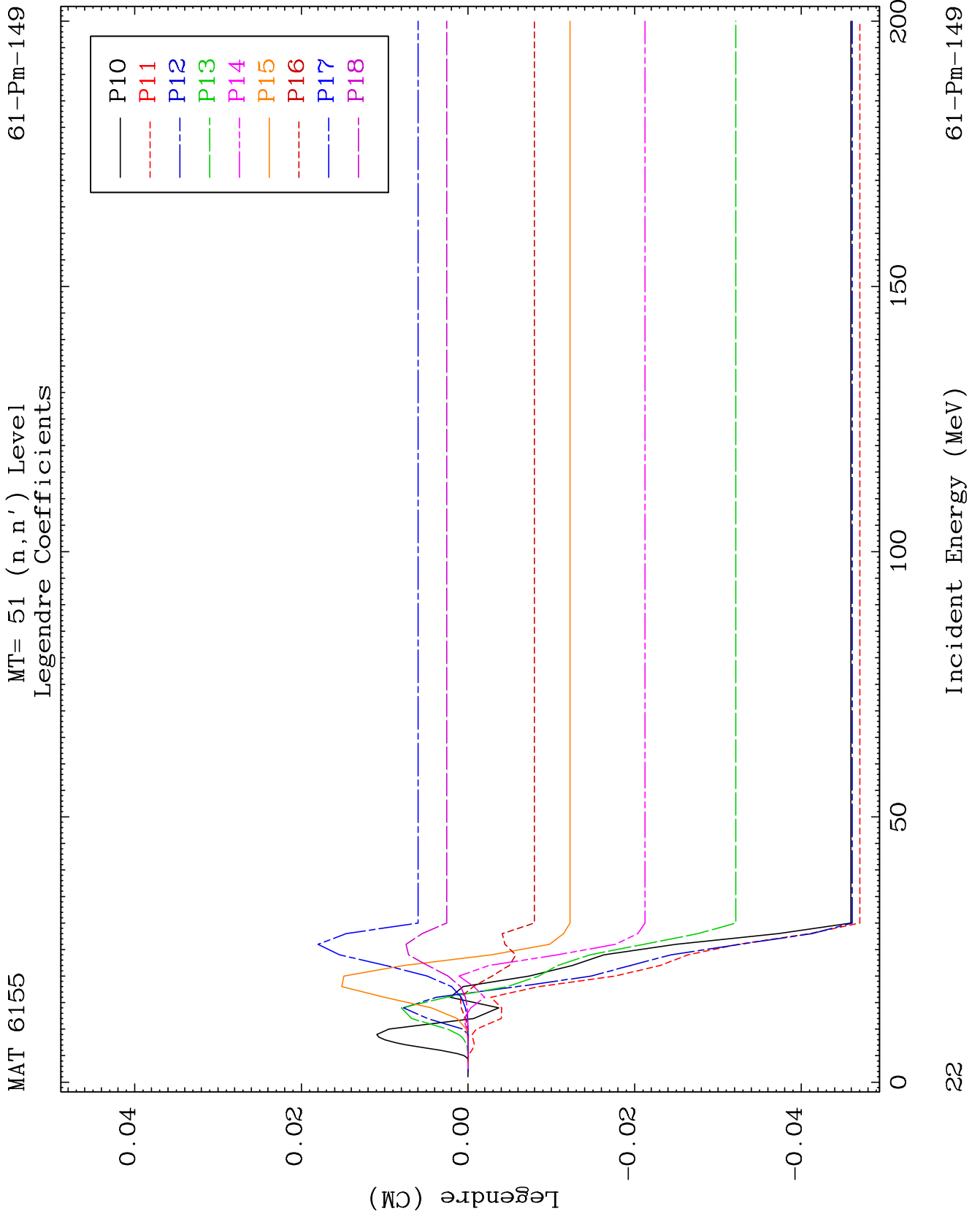
61-Pm-149



61-Pm-149

Incident Energy (MeV)

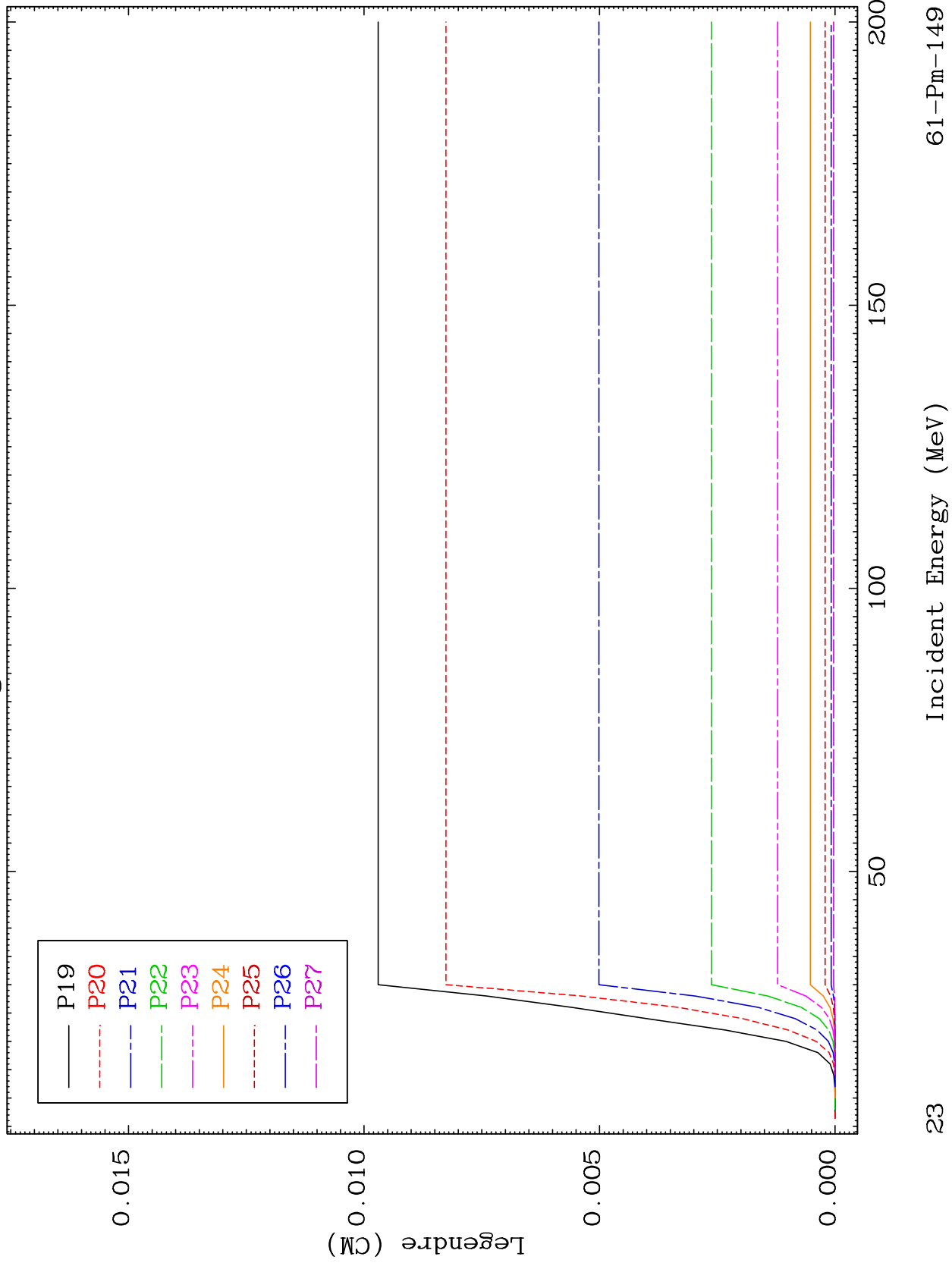
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MAT 6155

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

61-Pm-149



23

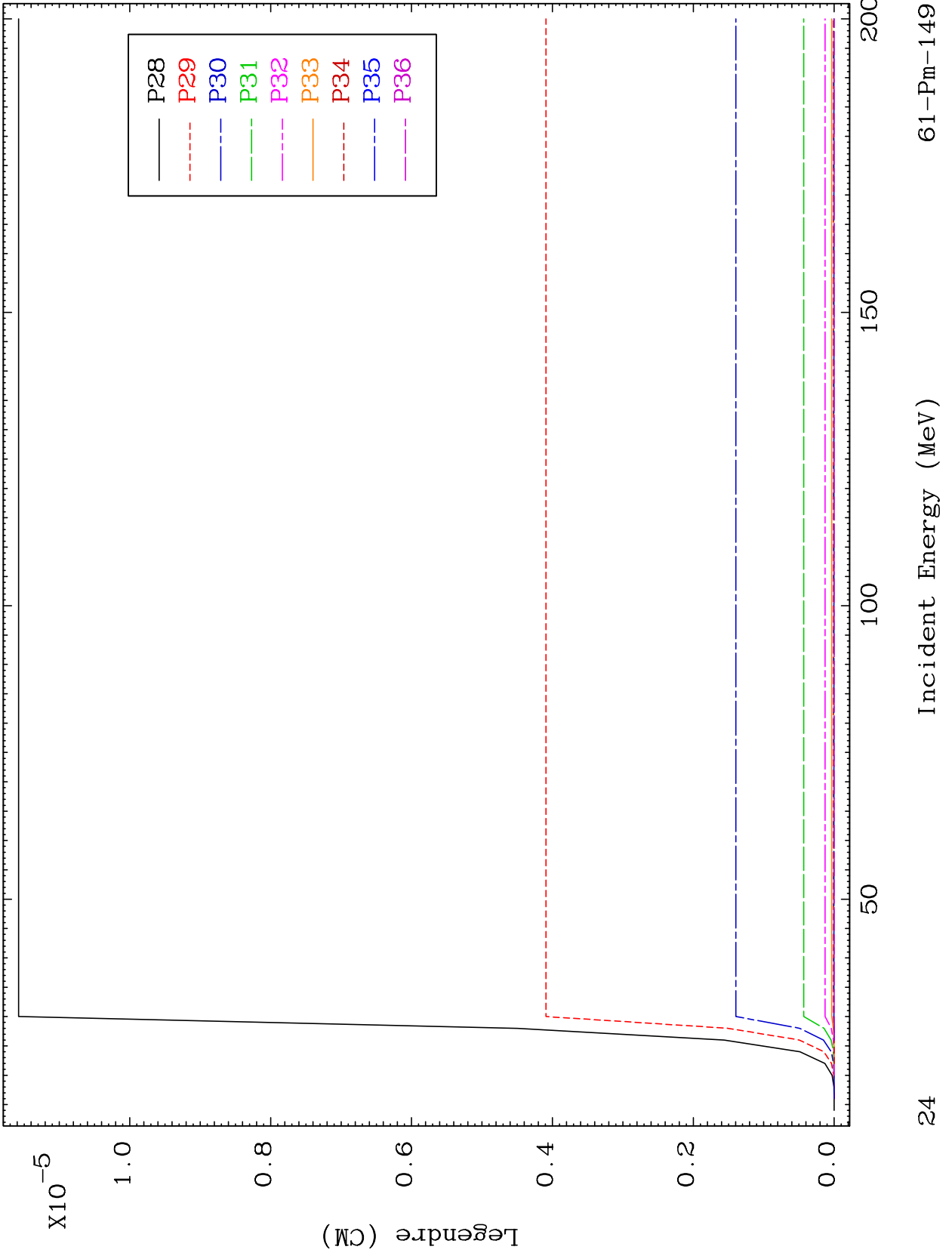
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



24

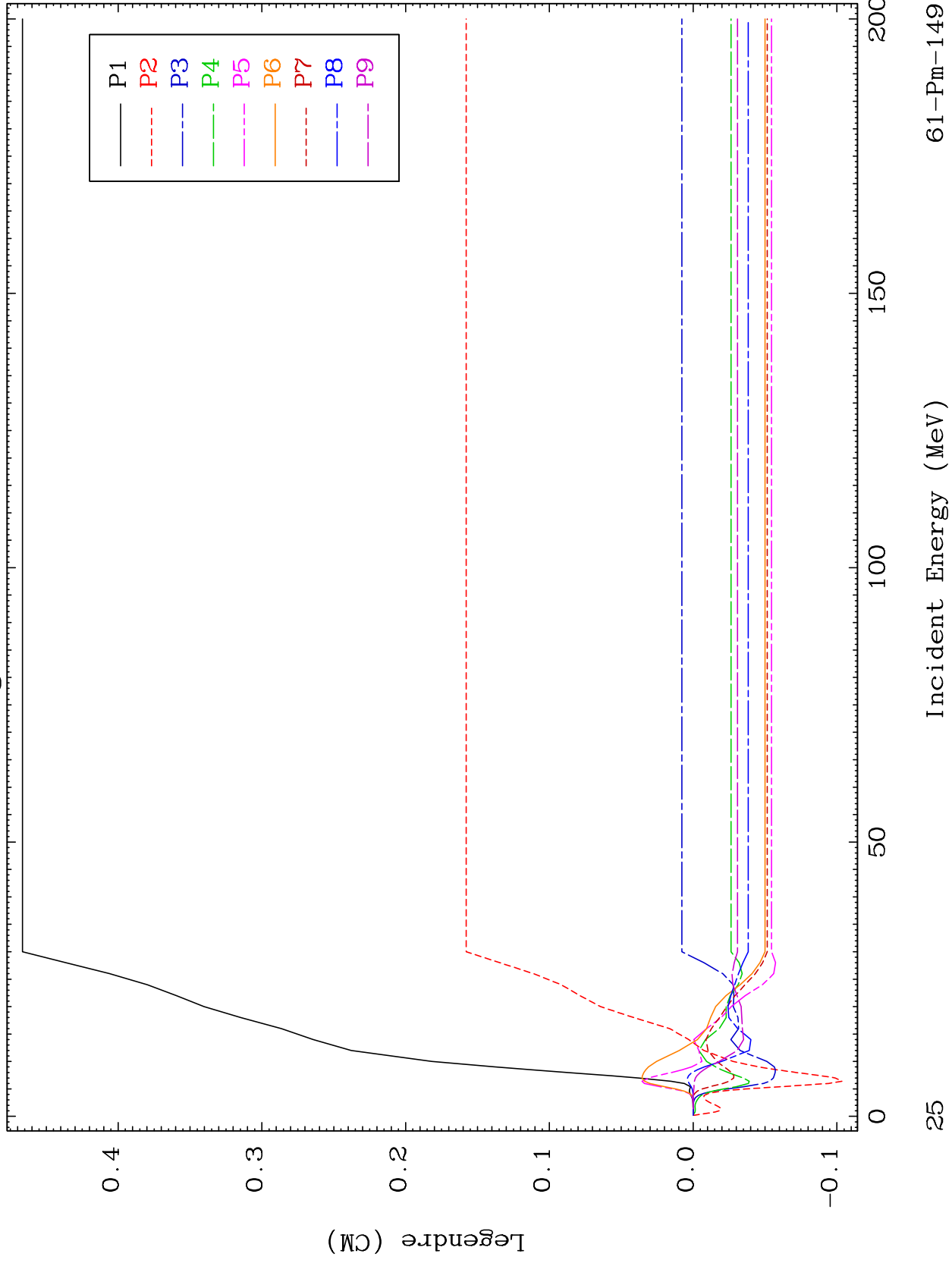
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

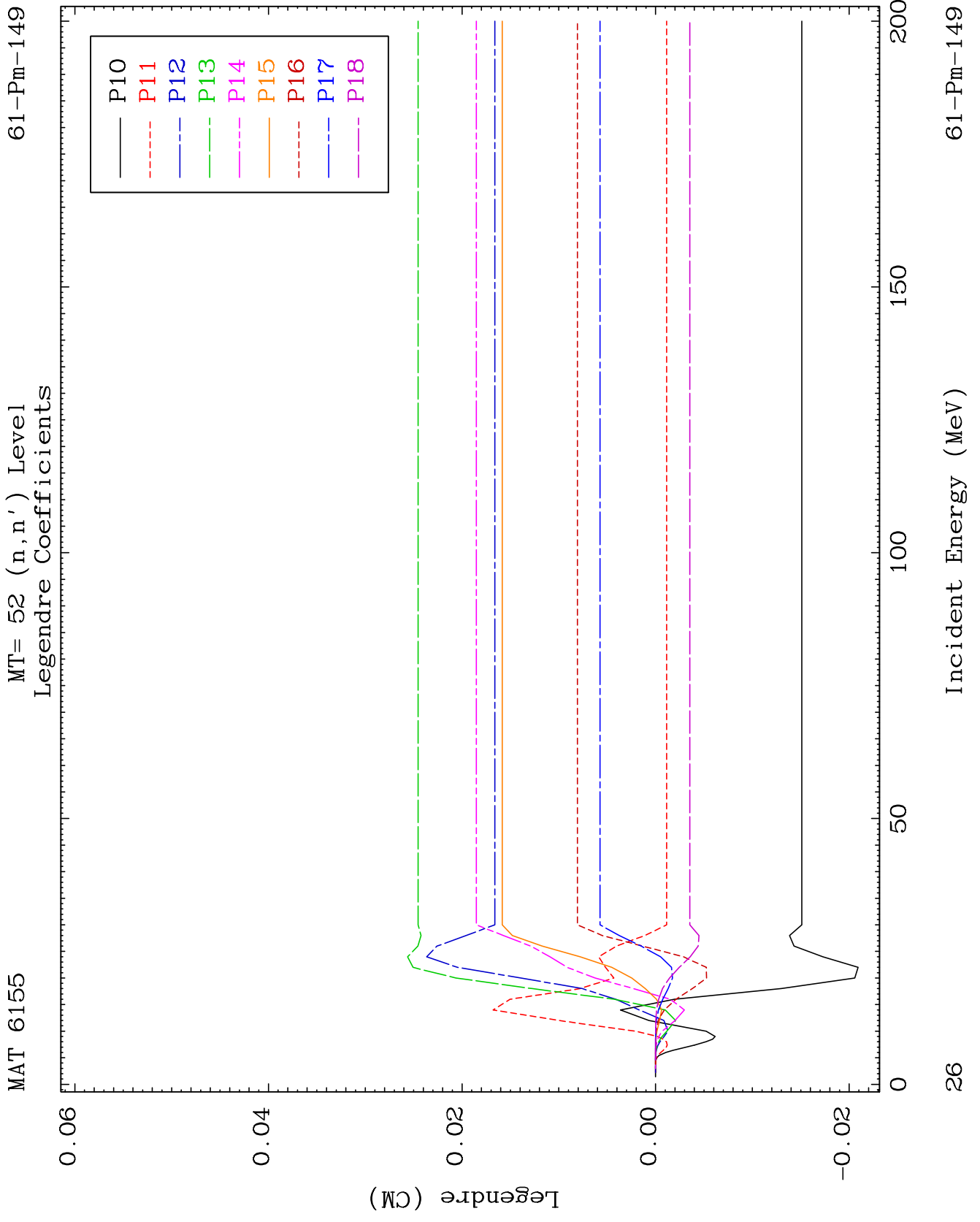
61-Pm-149



61-Pm-149

Incident Energy (MeV)

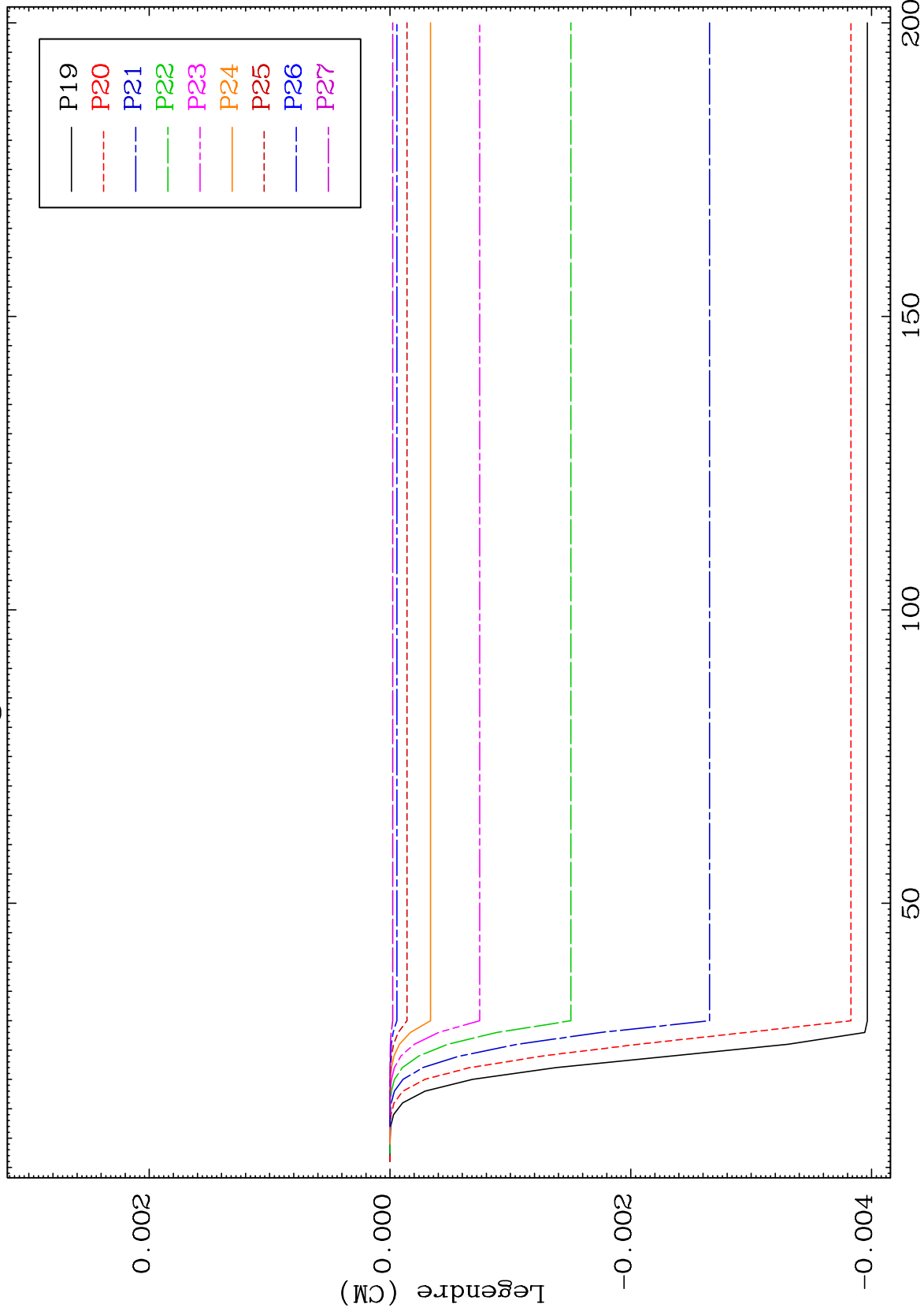
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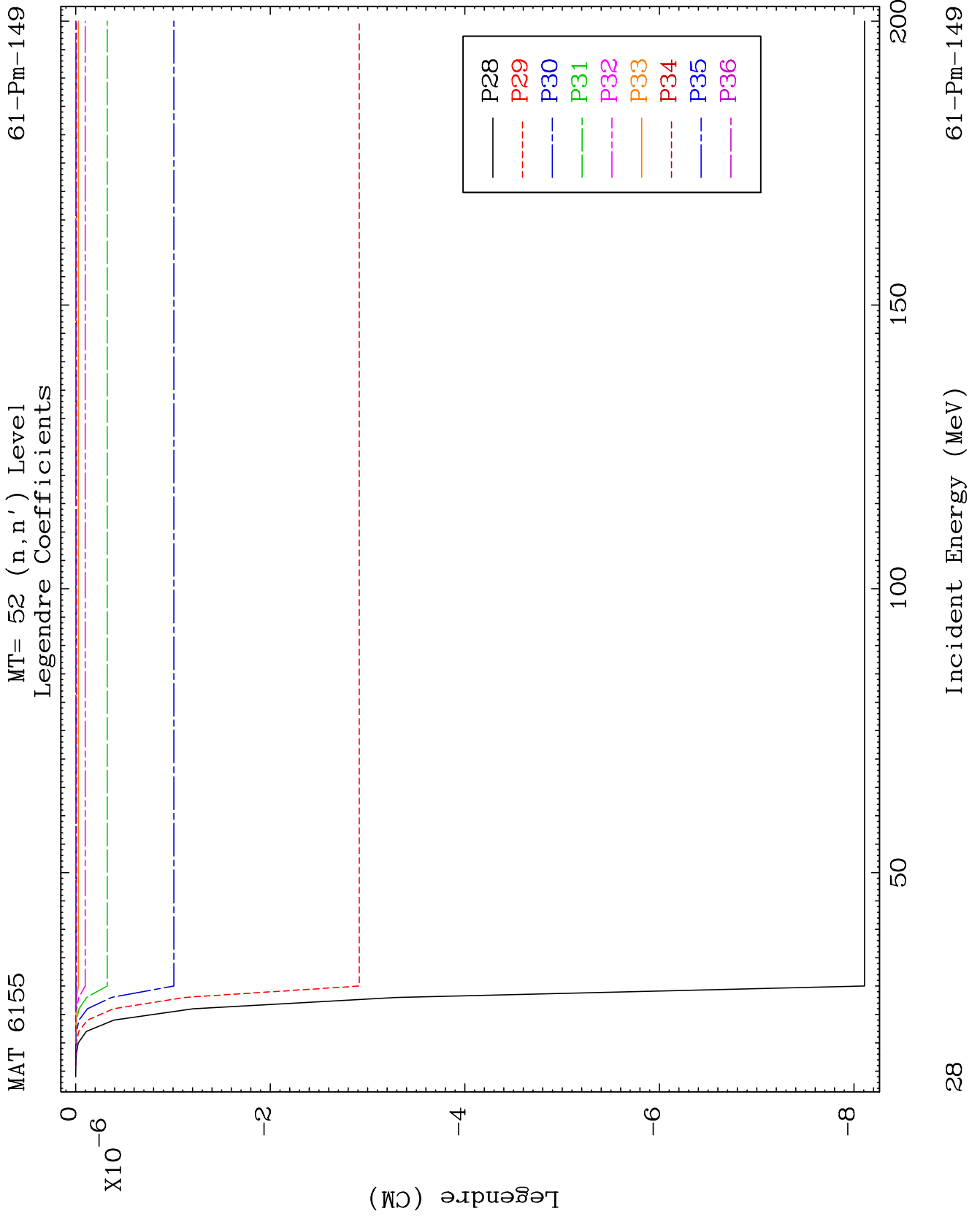


MAT 6155

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

61-Pm-149

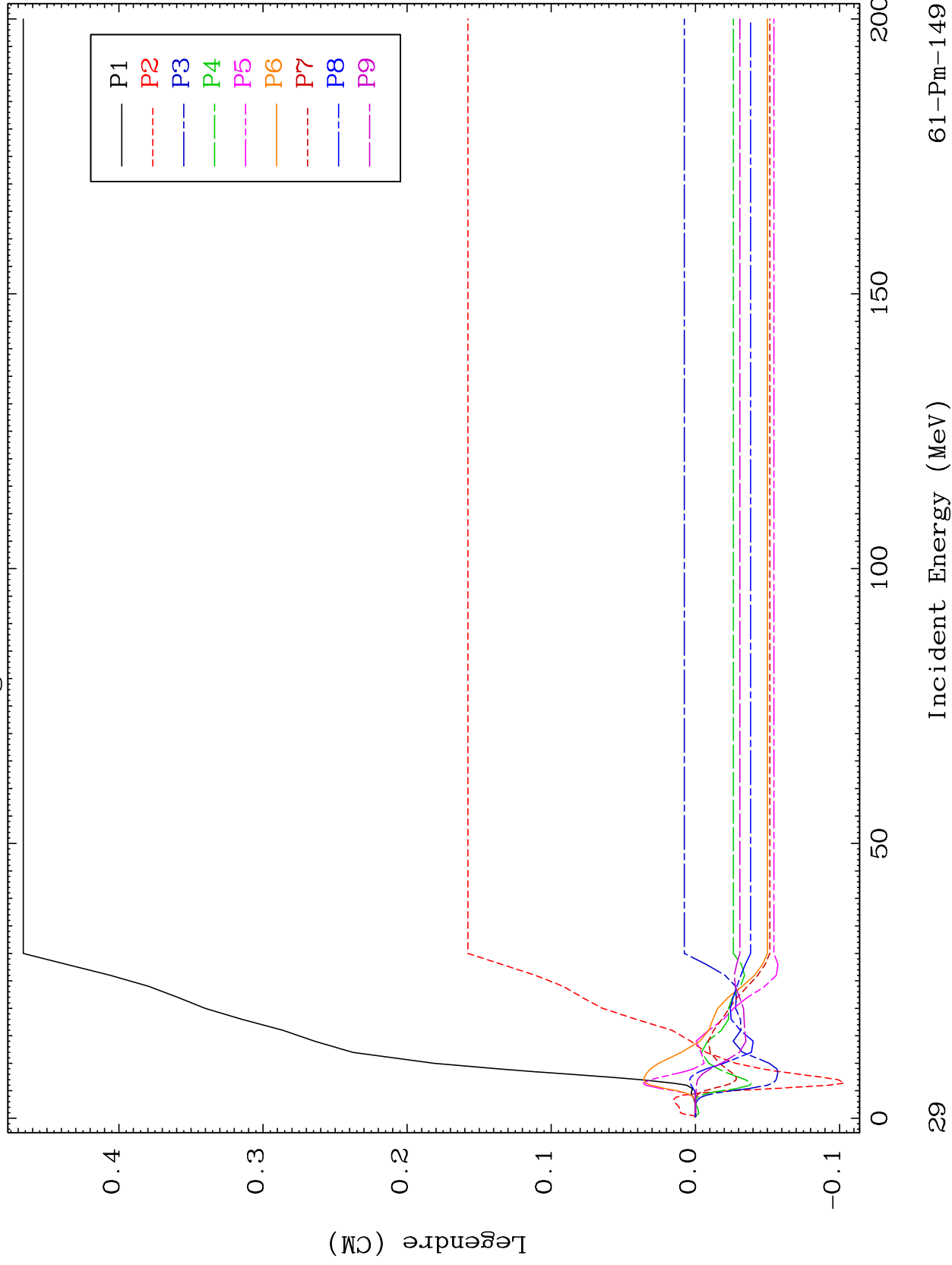




MAT 6155

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

61-Pm-149



61-Pm-149

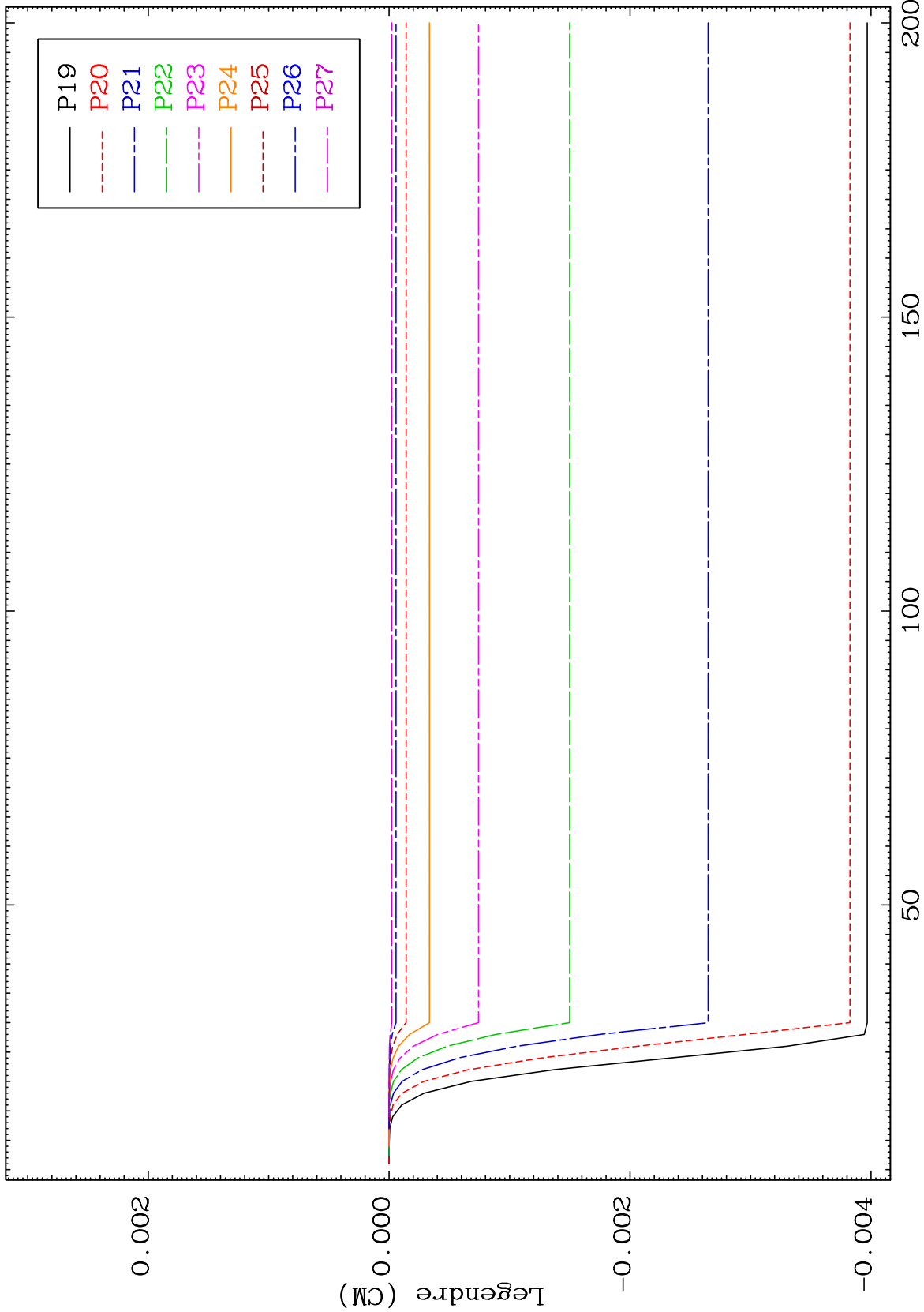
Incident Energy (MeV)

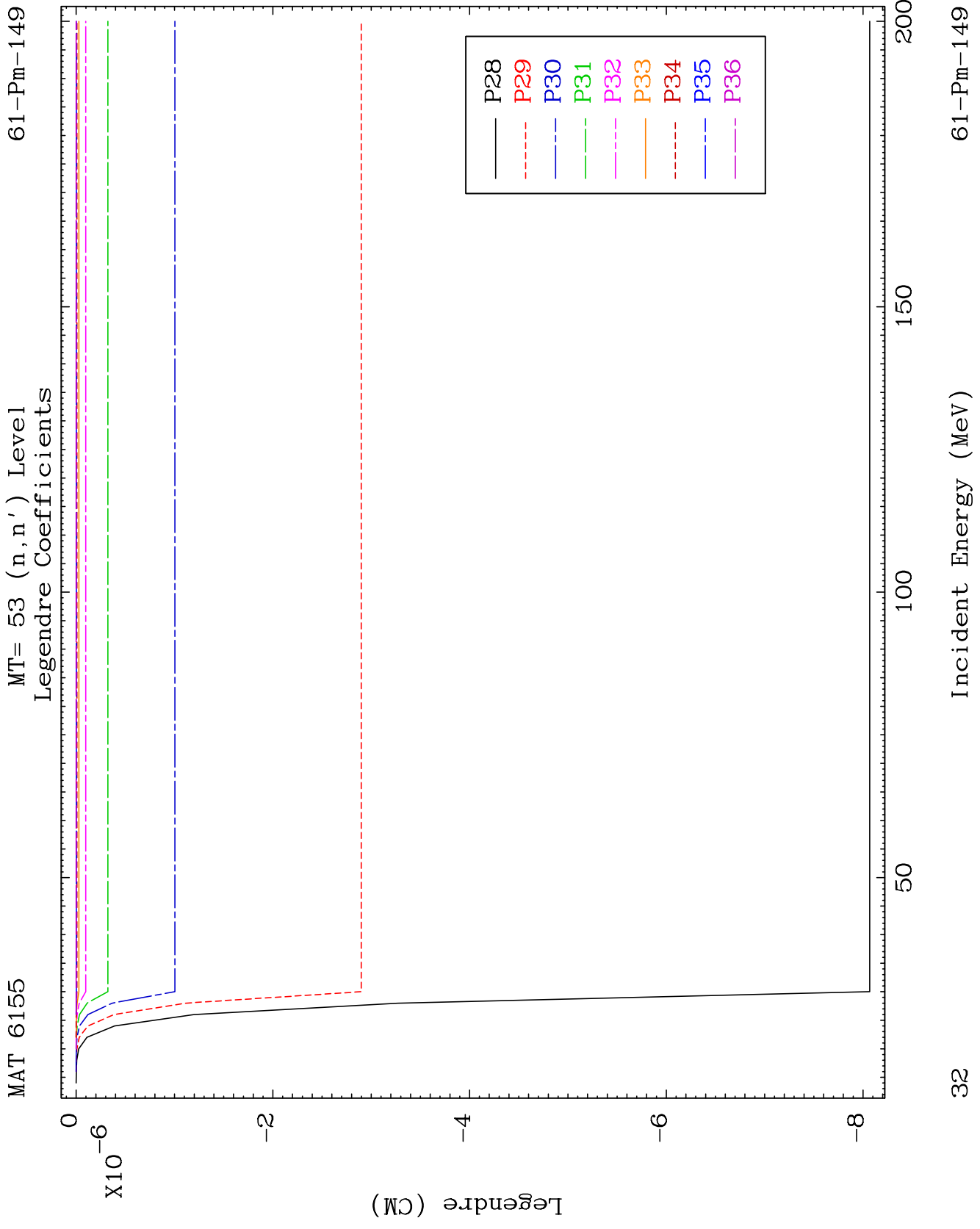
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MAT 6155

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

61-Pm-149

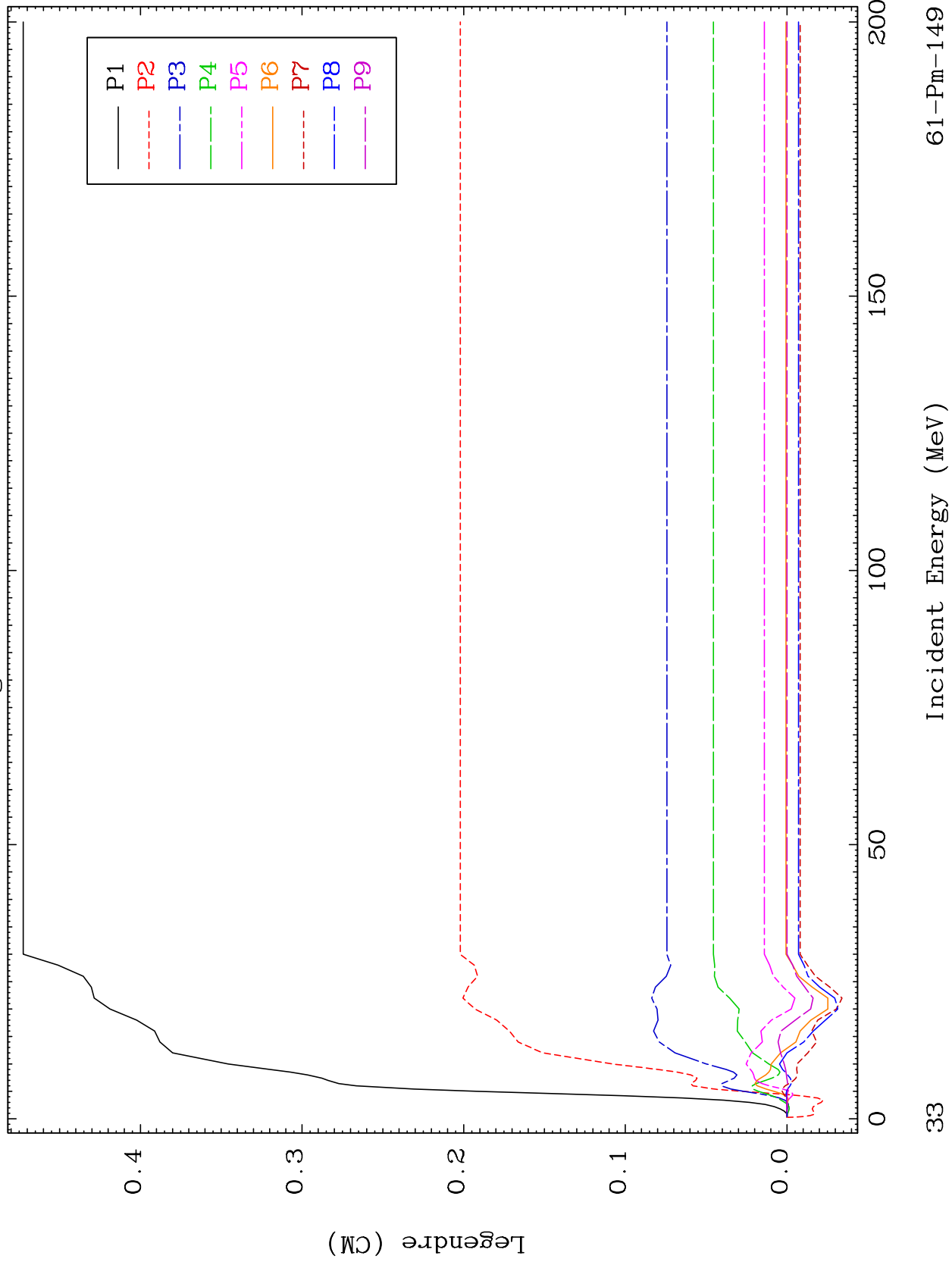




MAT 6155

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

61-Pm-149



61-Pm-149

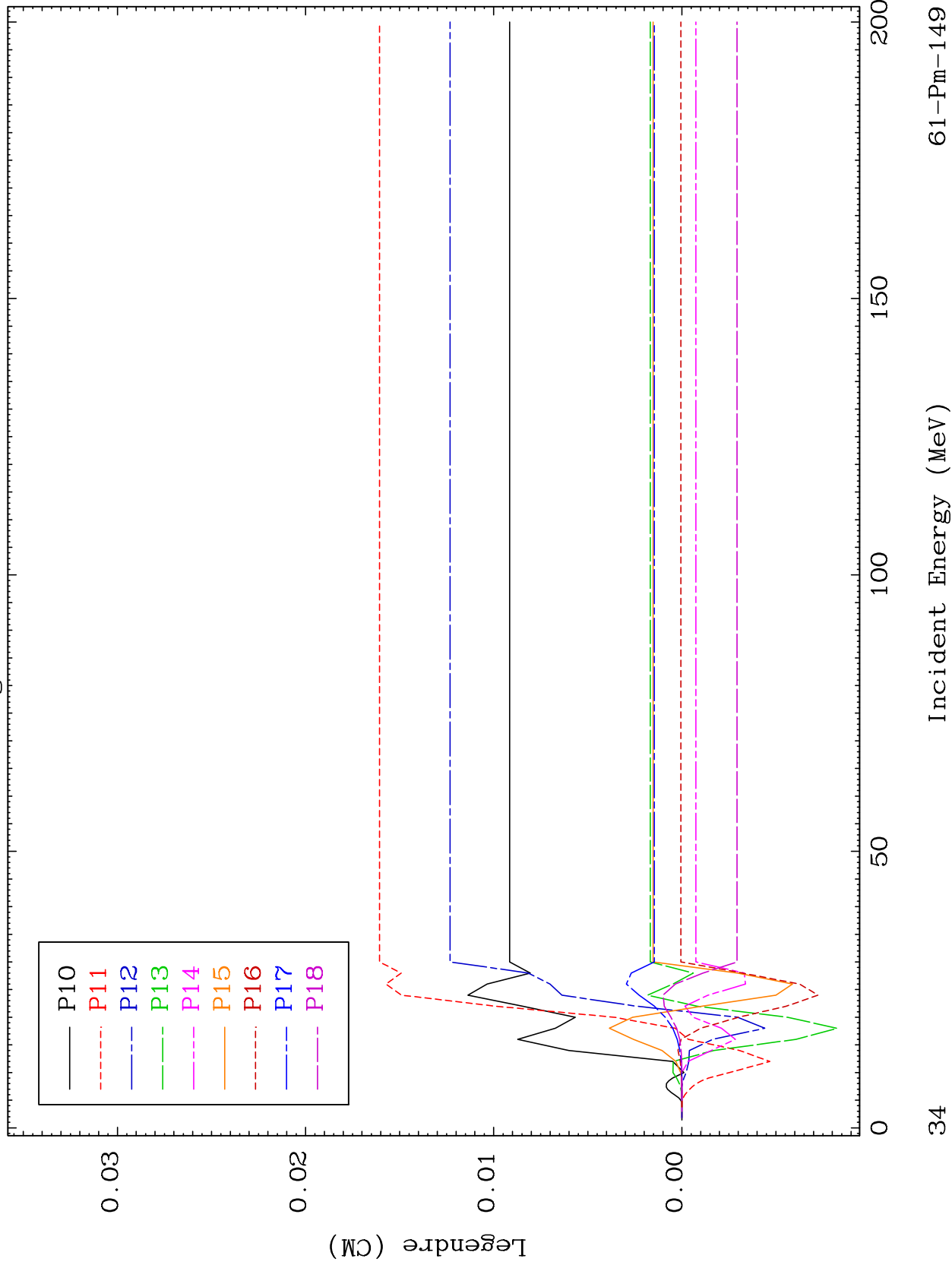
Incident Energy (MeV)

33

MAT 6155

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

61-Pm-149



61-Pm-149

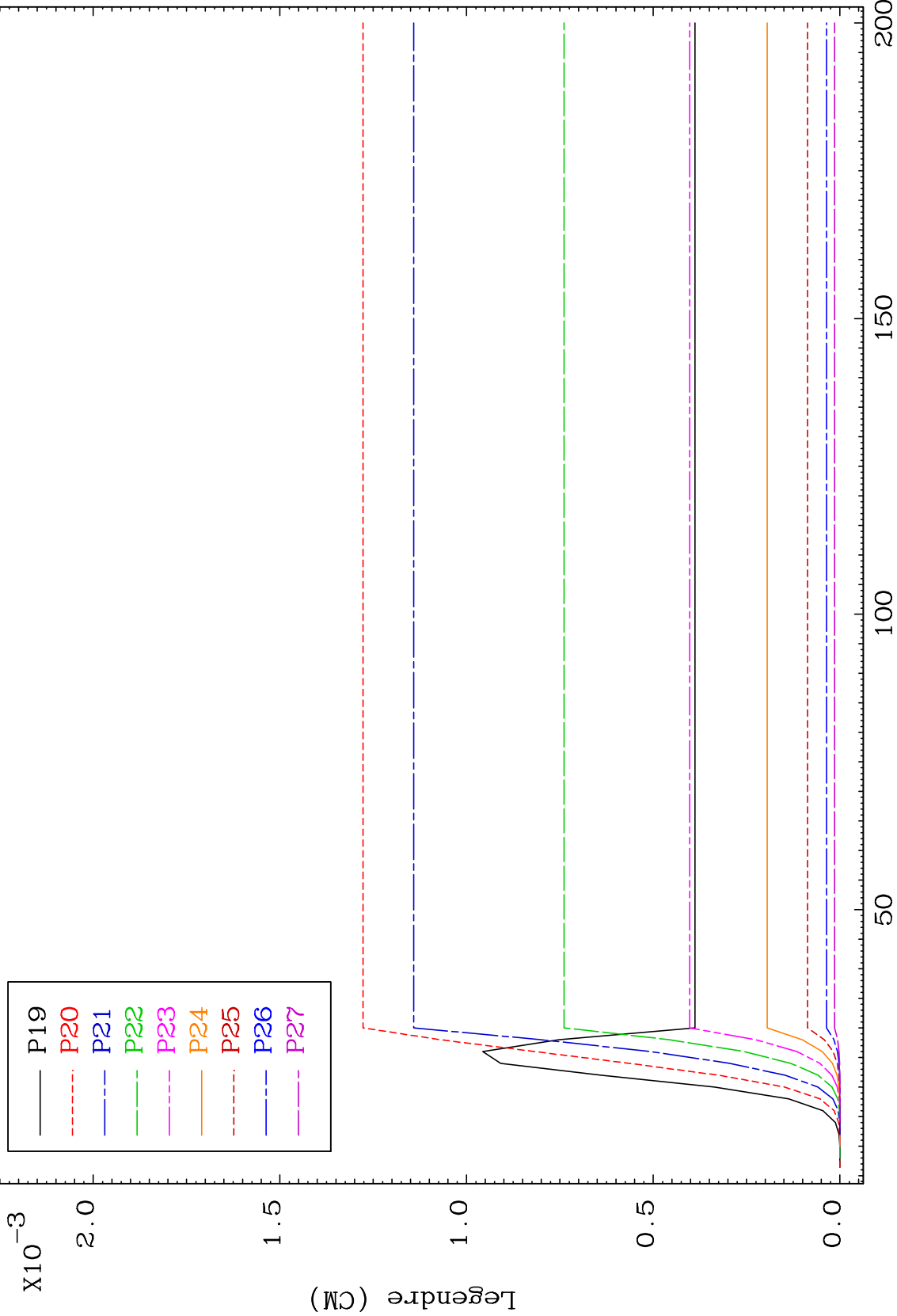
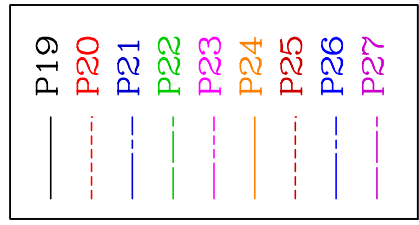
Incident Energy (MeV)

34

MAT 6155

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

61-Pm-149



35

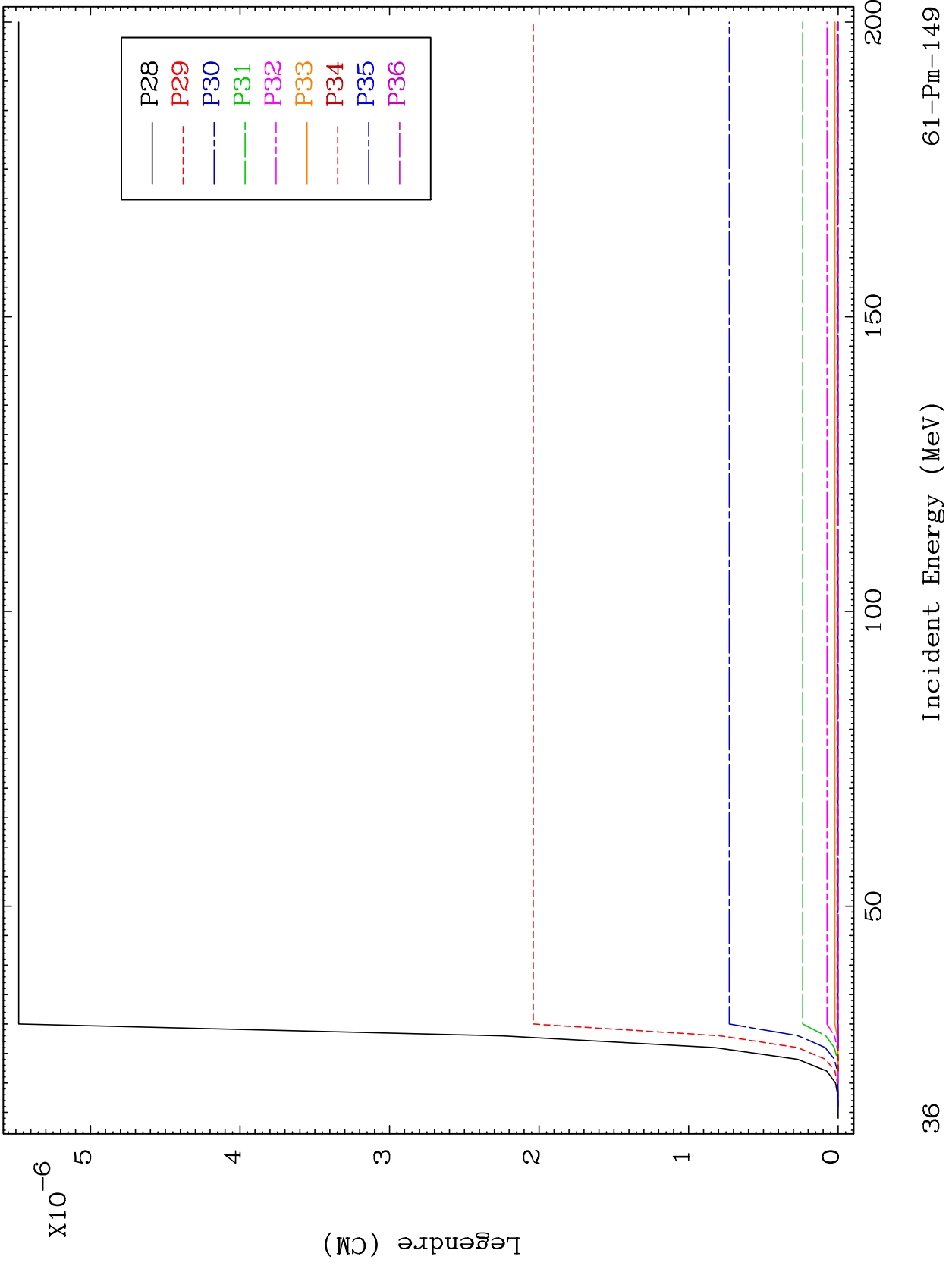
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



36

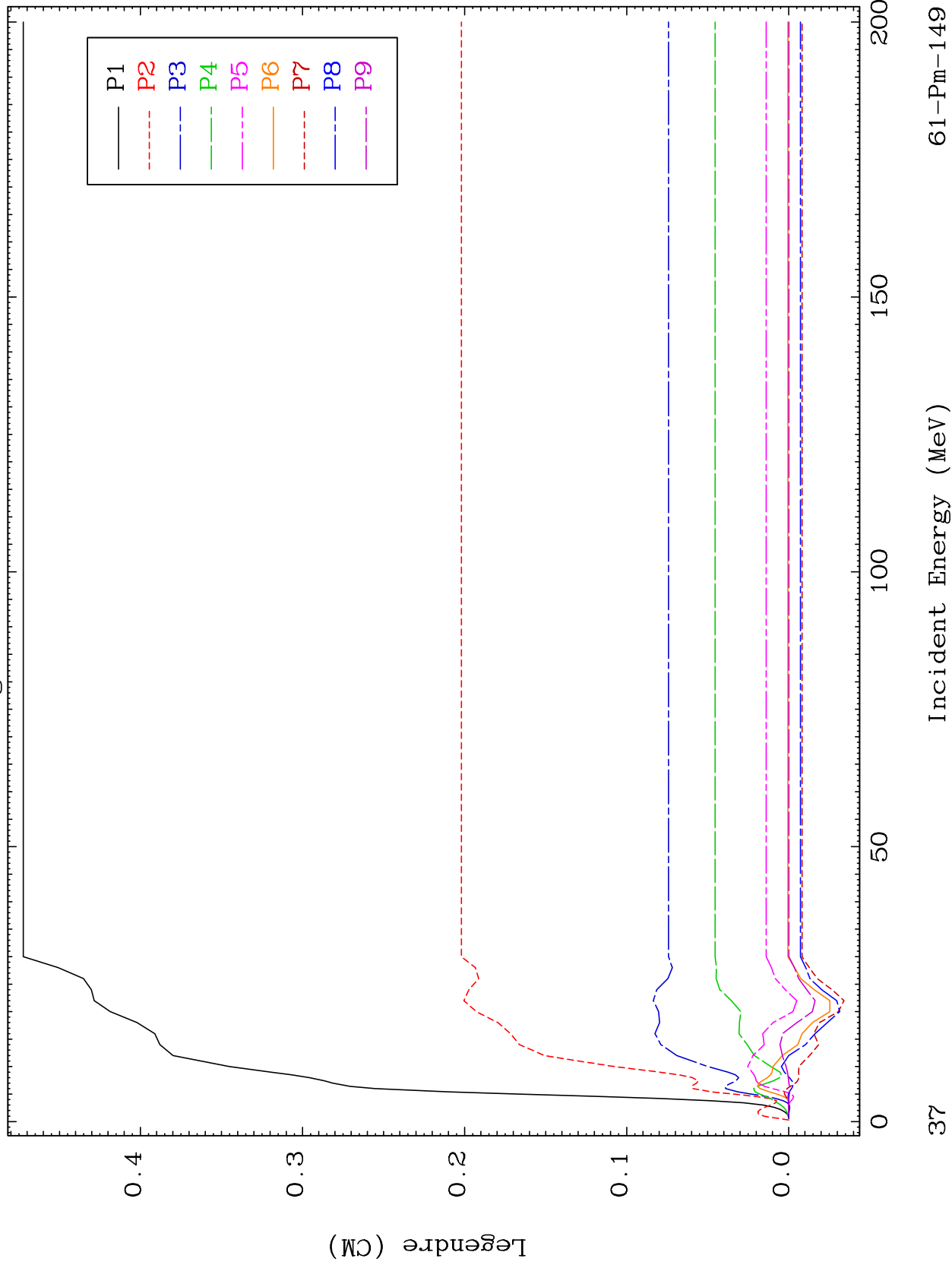
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



61-Pm-149

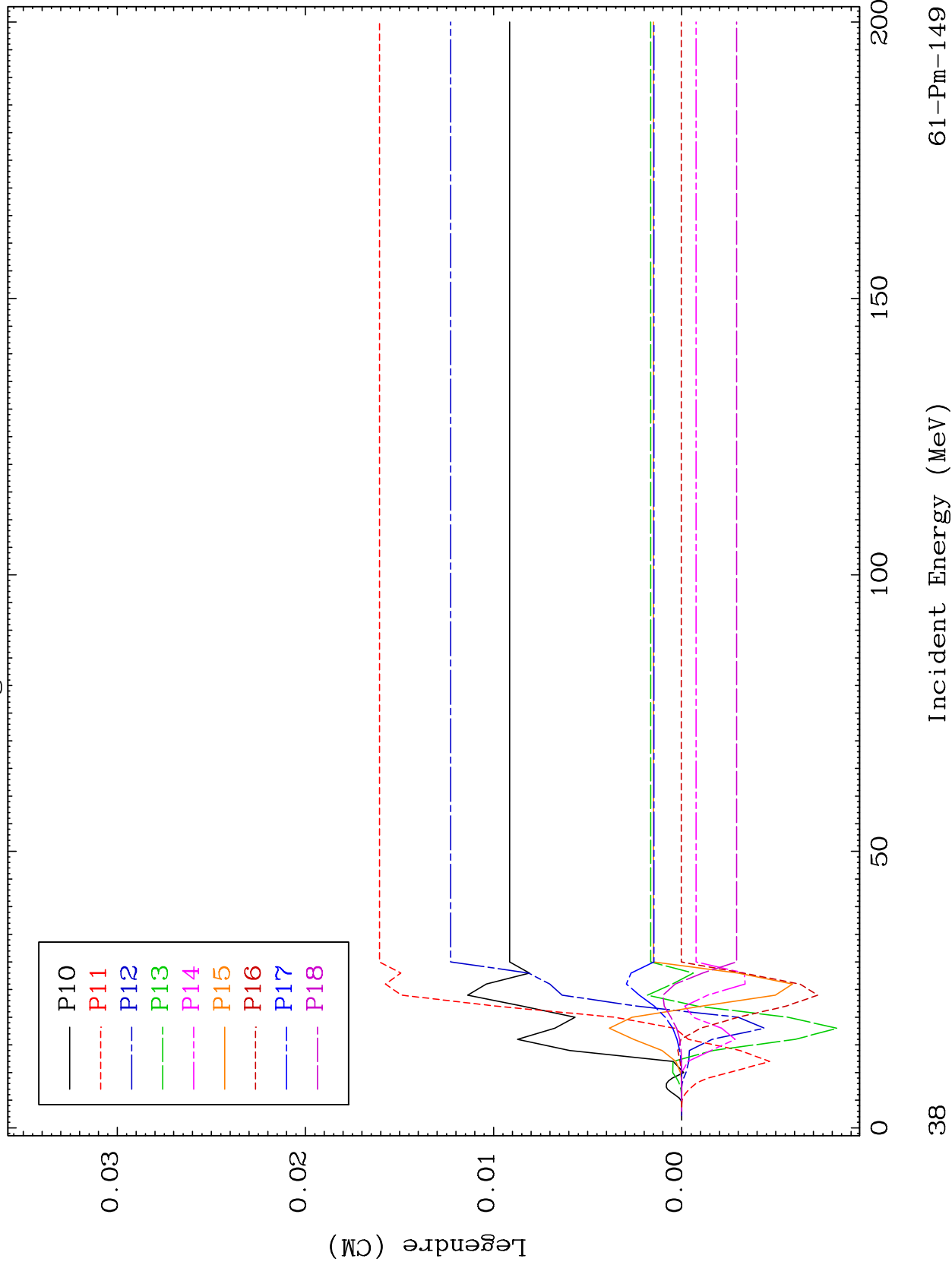
Incident Energy (MeV)

37

MAT 6155

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

61-Pm-149



61-Pm-149

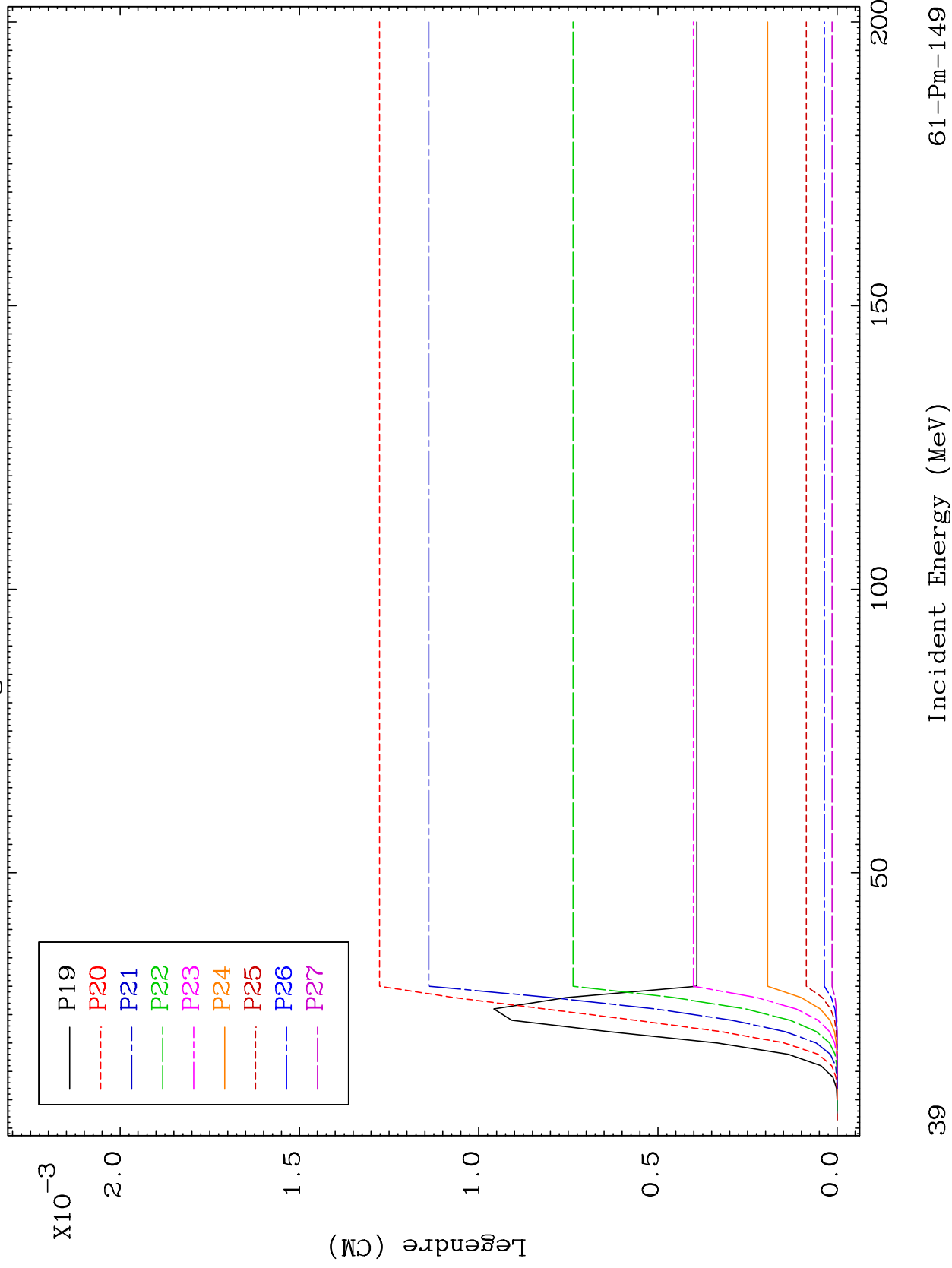
Incident Energy (MeV)

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MAT 6155

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

61-Pm-149



39

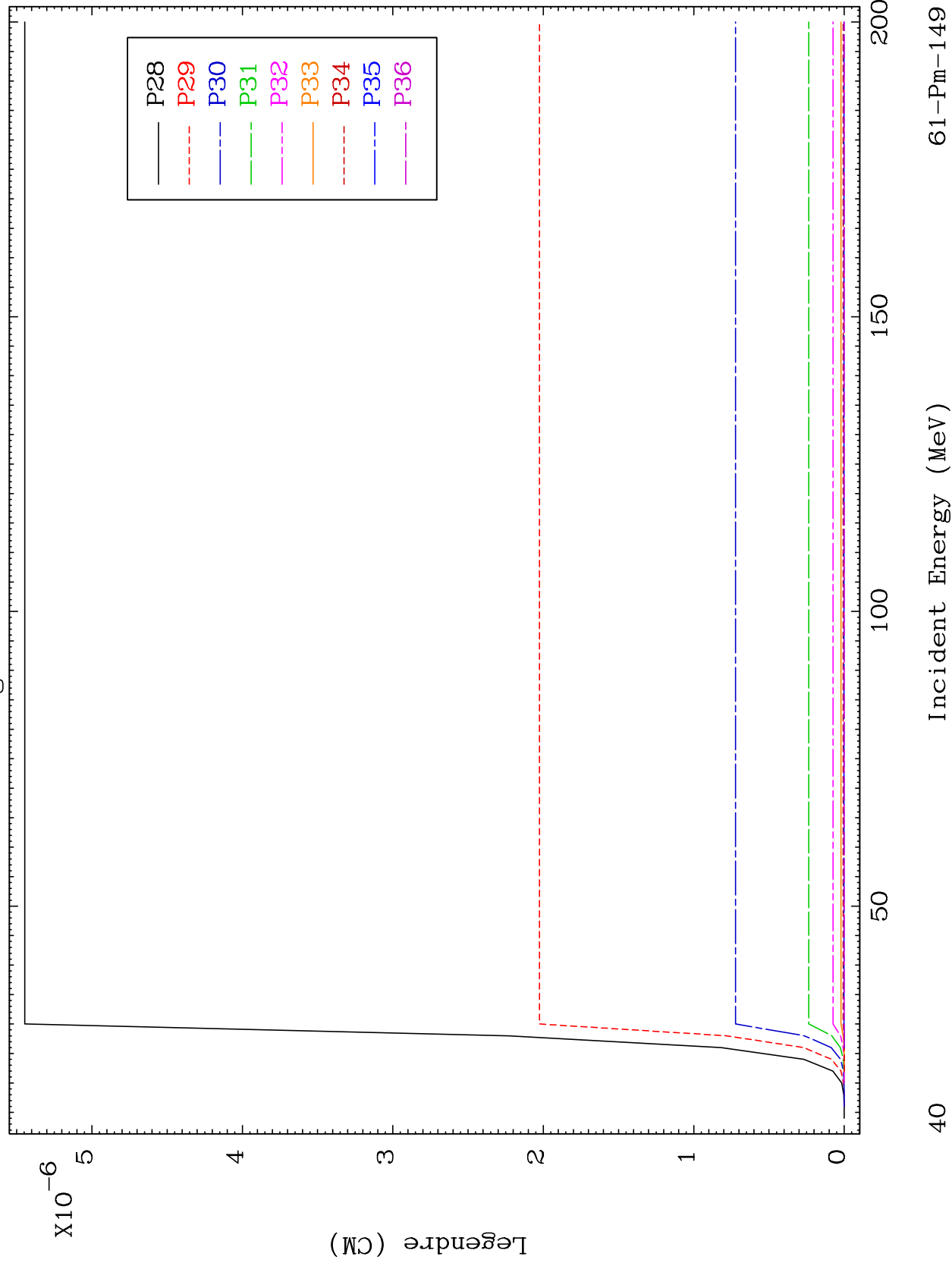
Incident Energy (MeV)

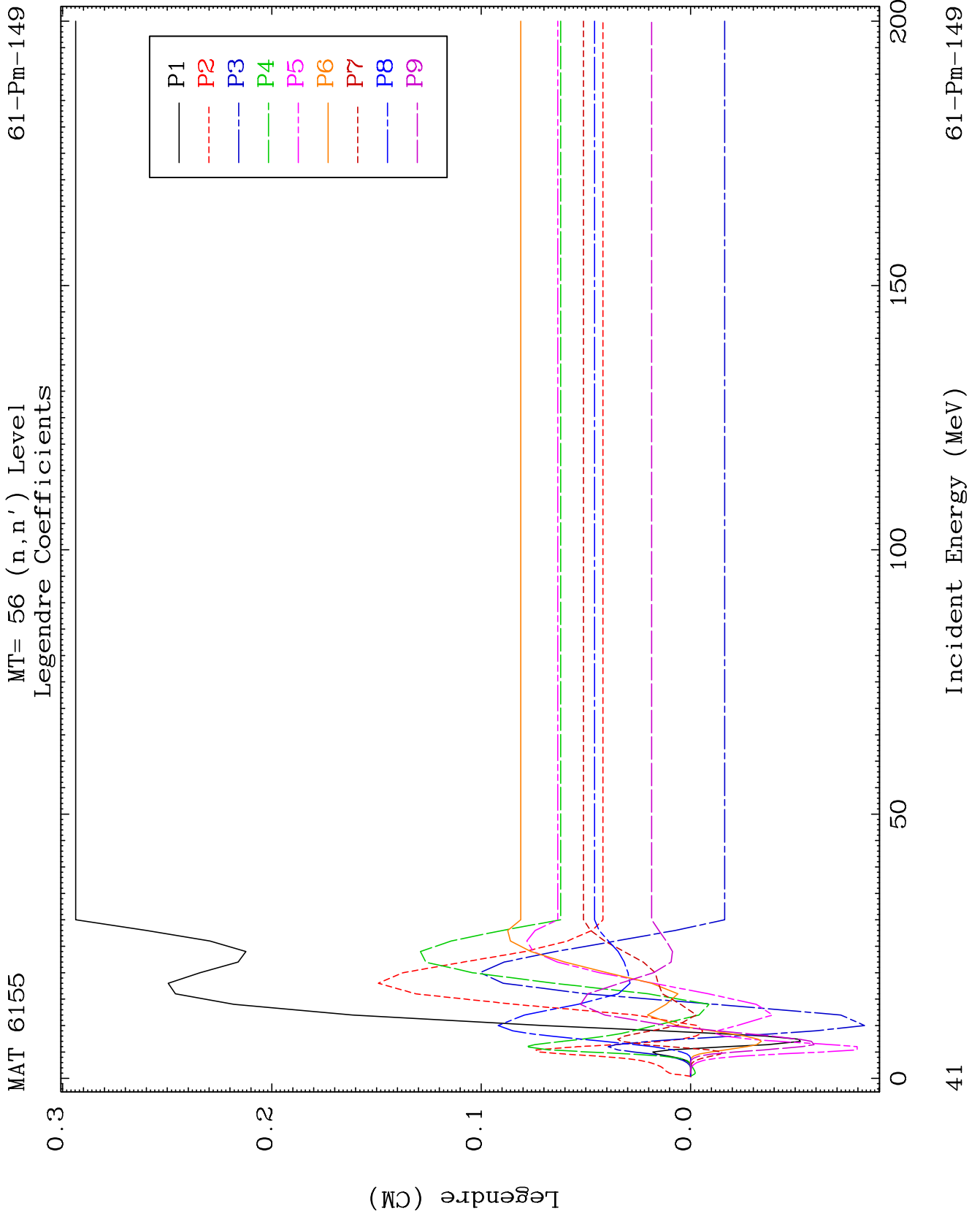
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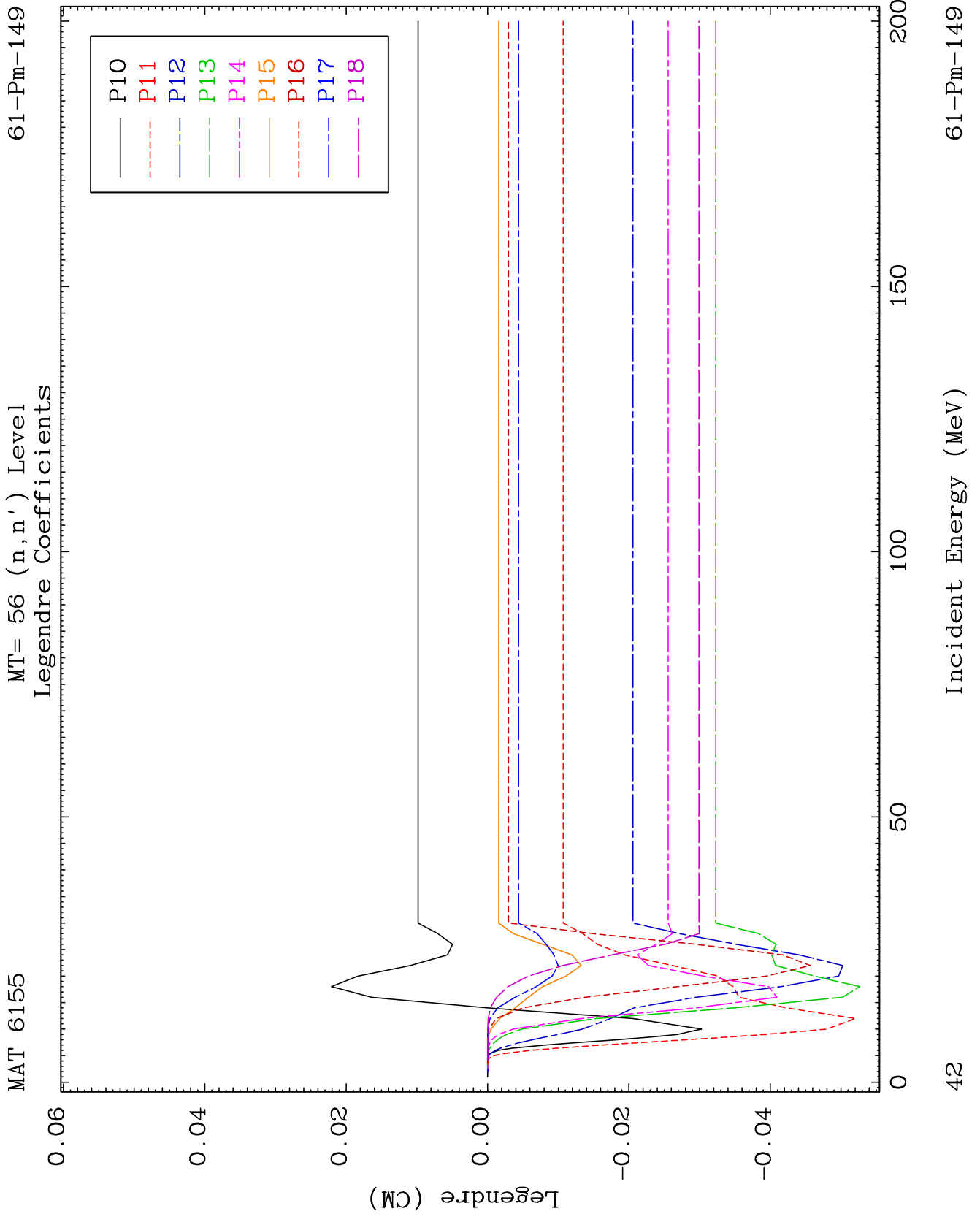
MAT 6155

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

61-Pm-149



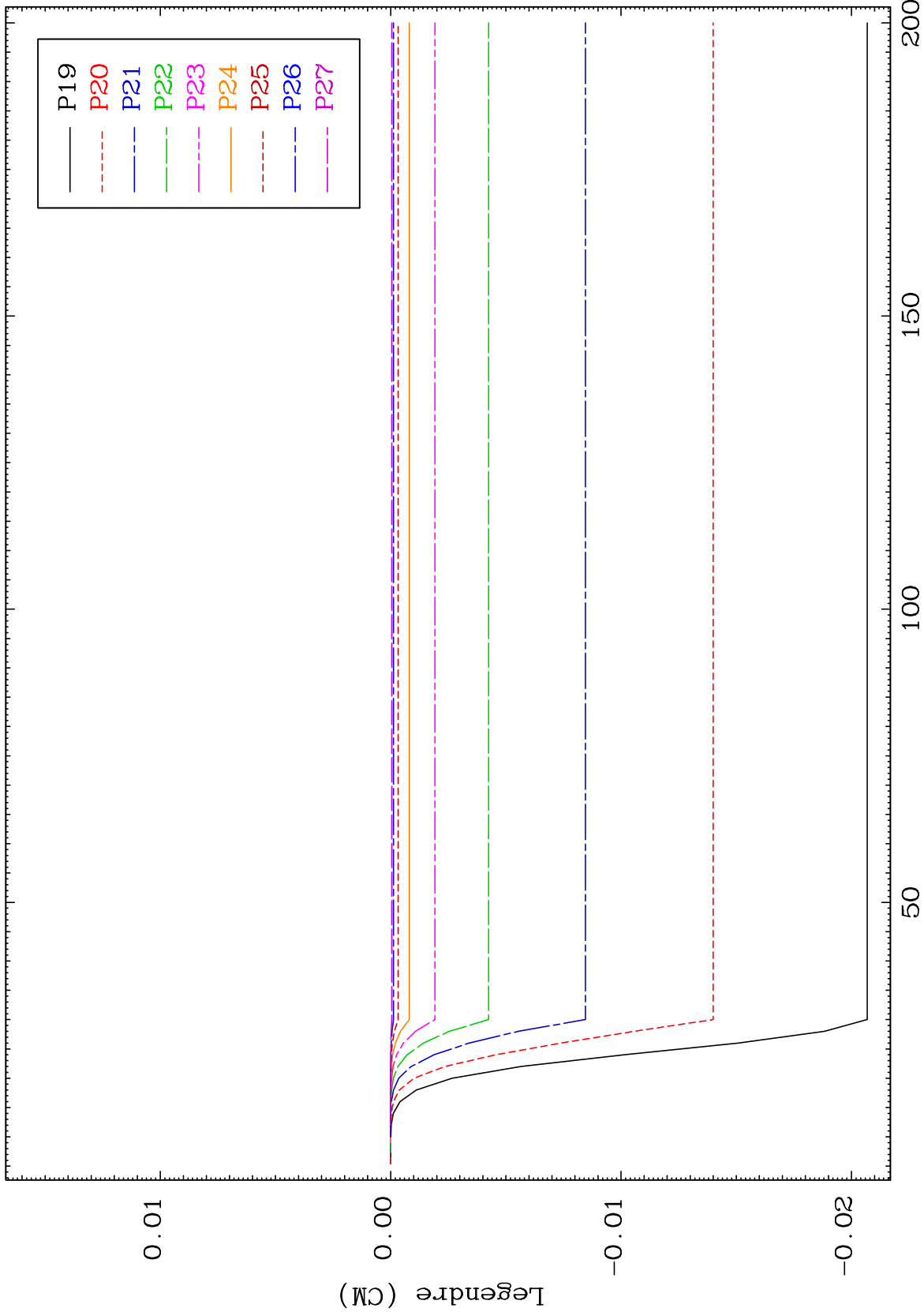


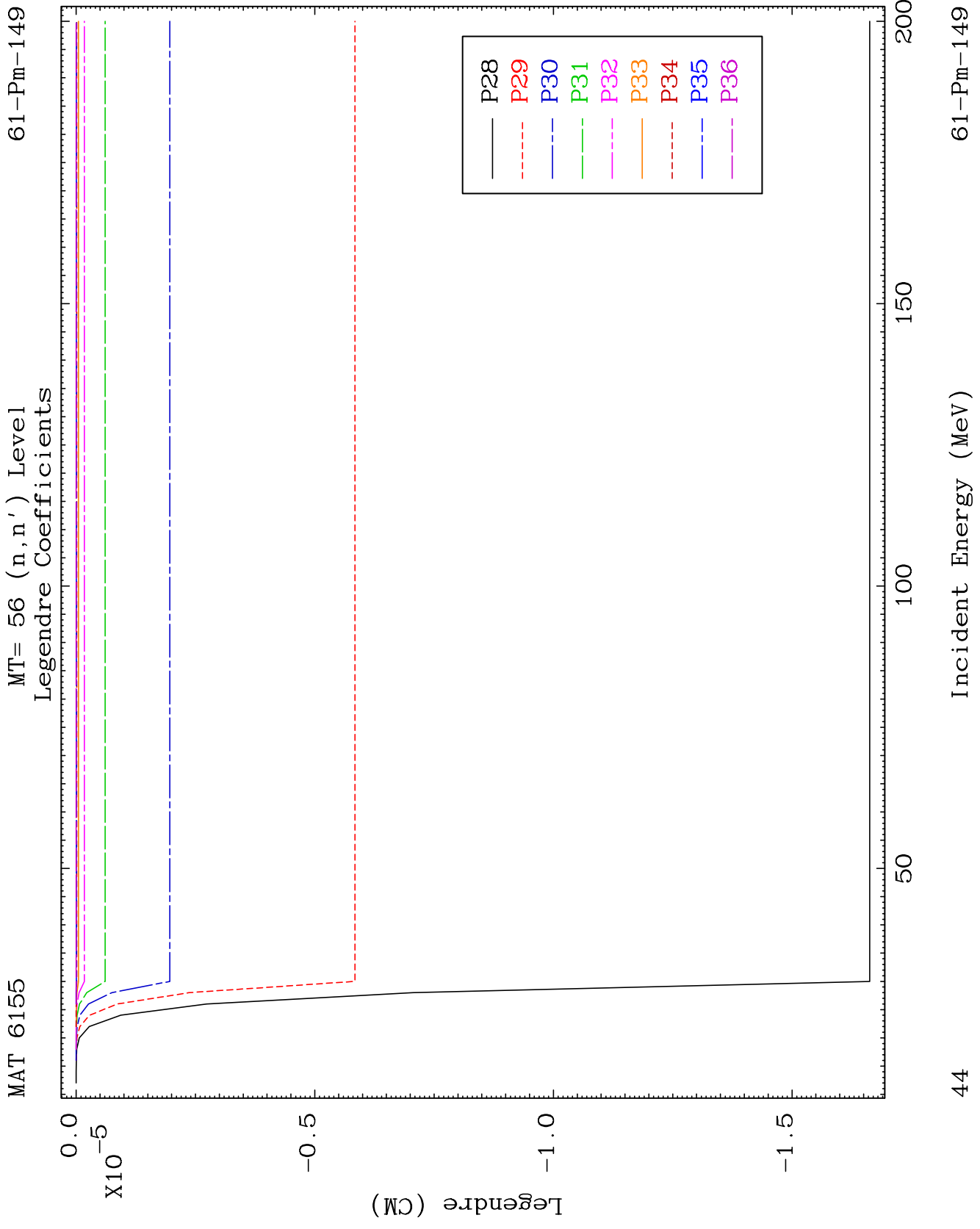


MAT 6155

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

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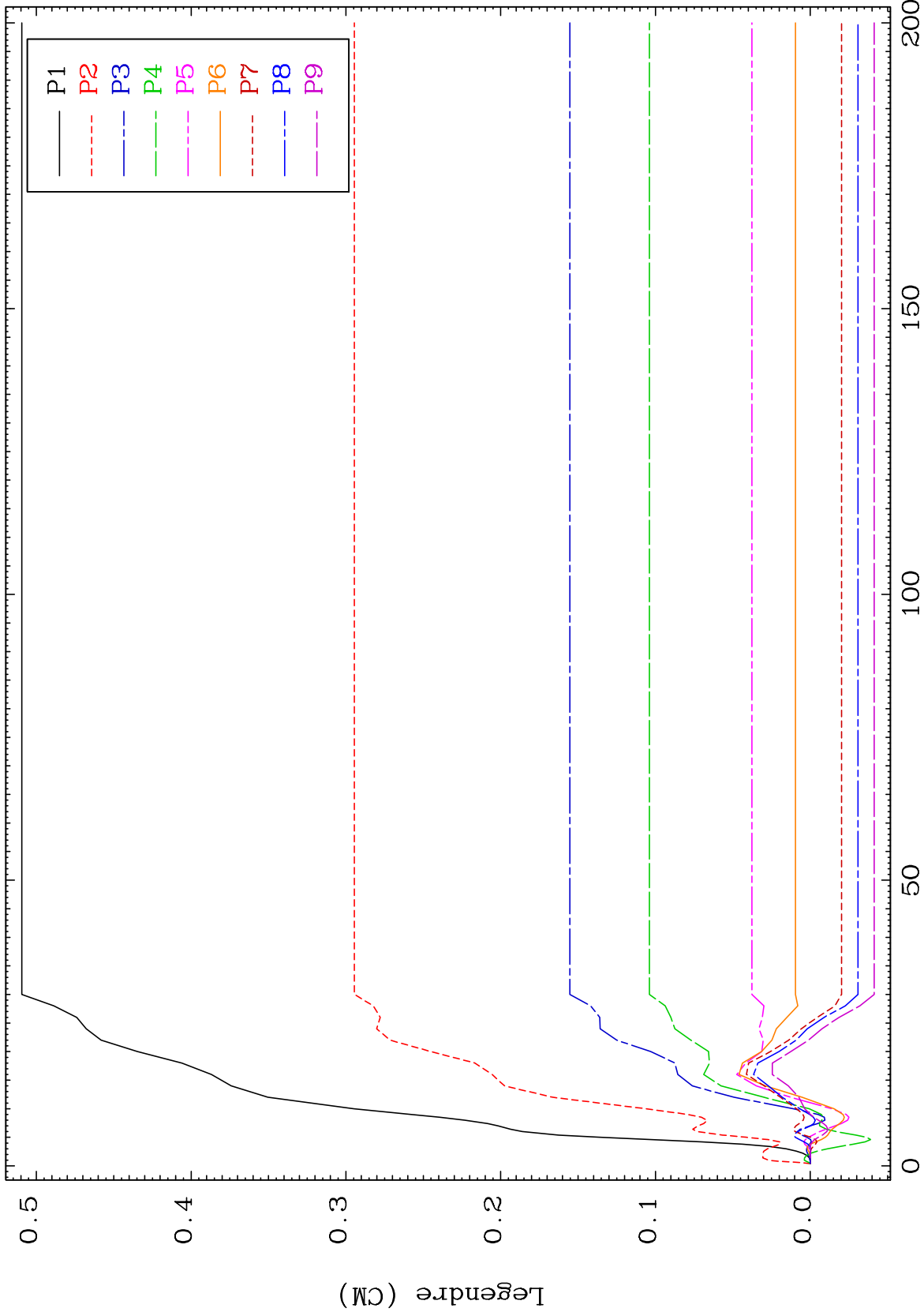




MAT 6155

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

61-Pm-149



61-Pm-149

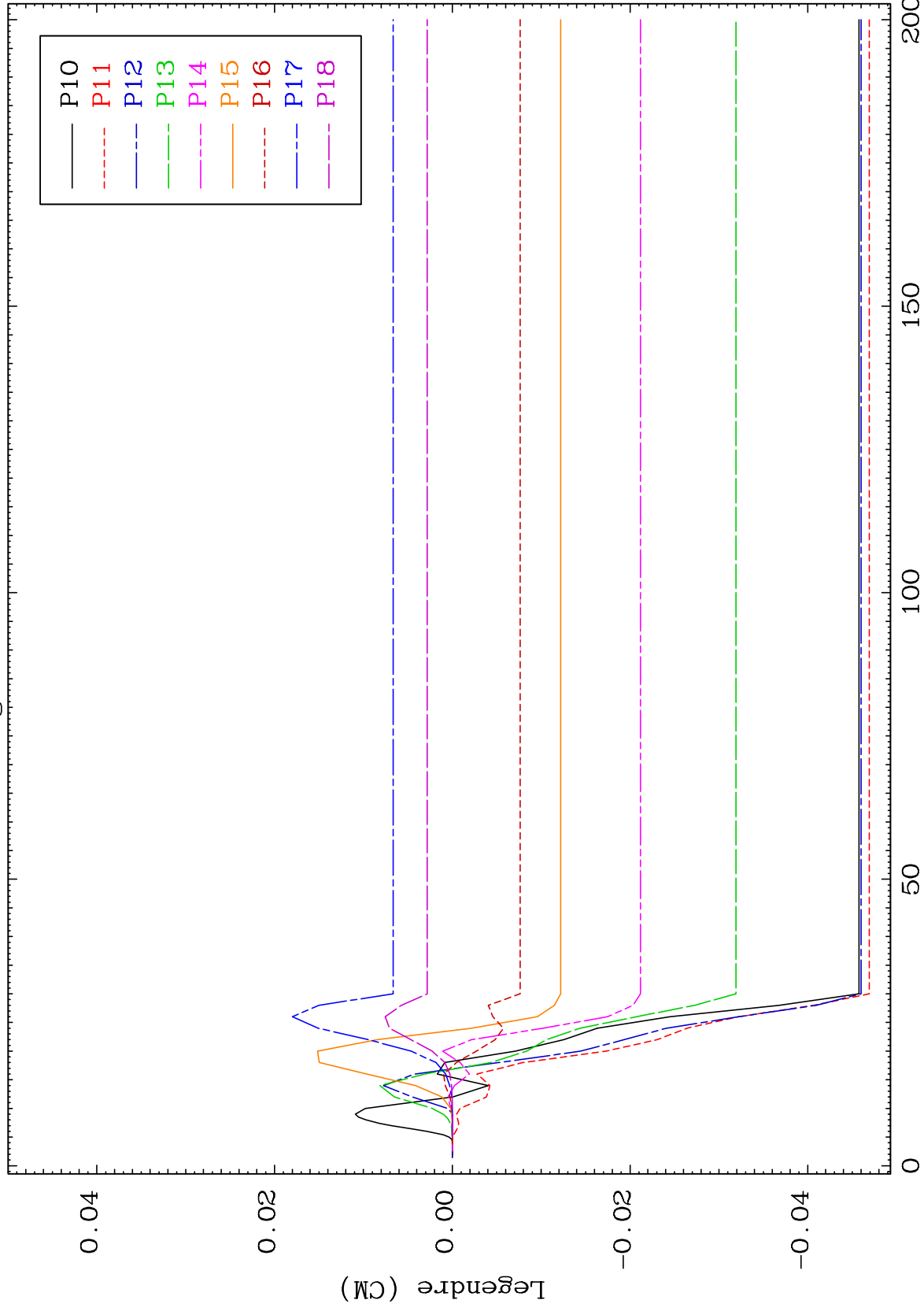
Incident Energy (MeV)

45

MAT 6155

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

61-Pm-149



46

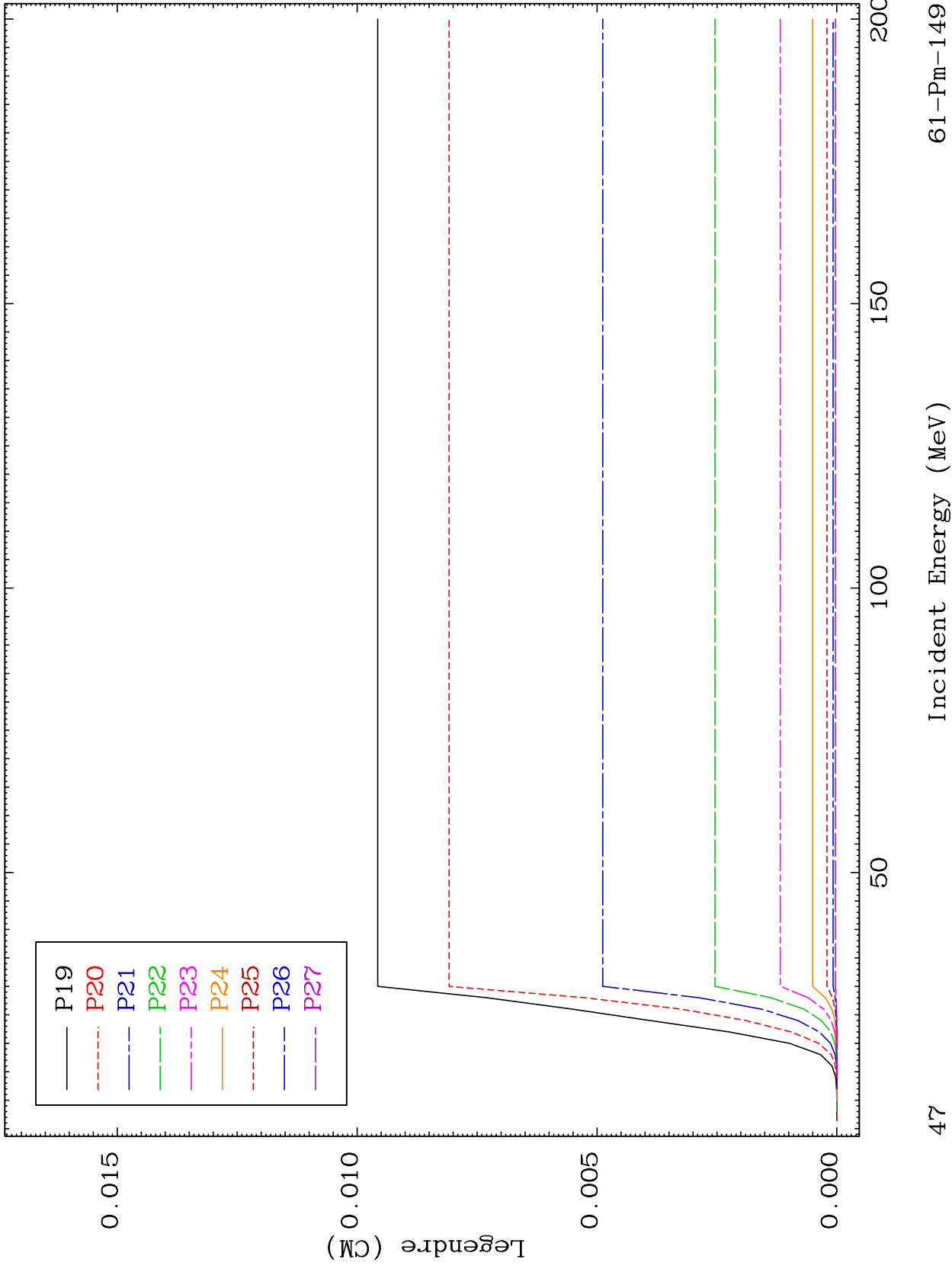
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



47

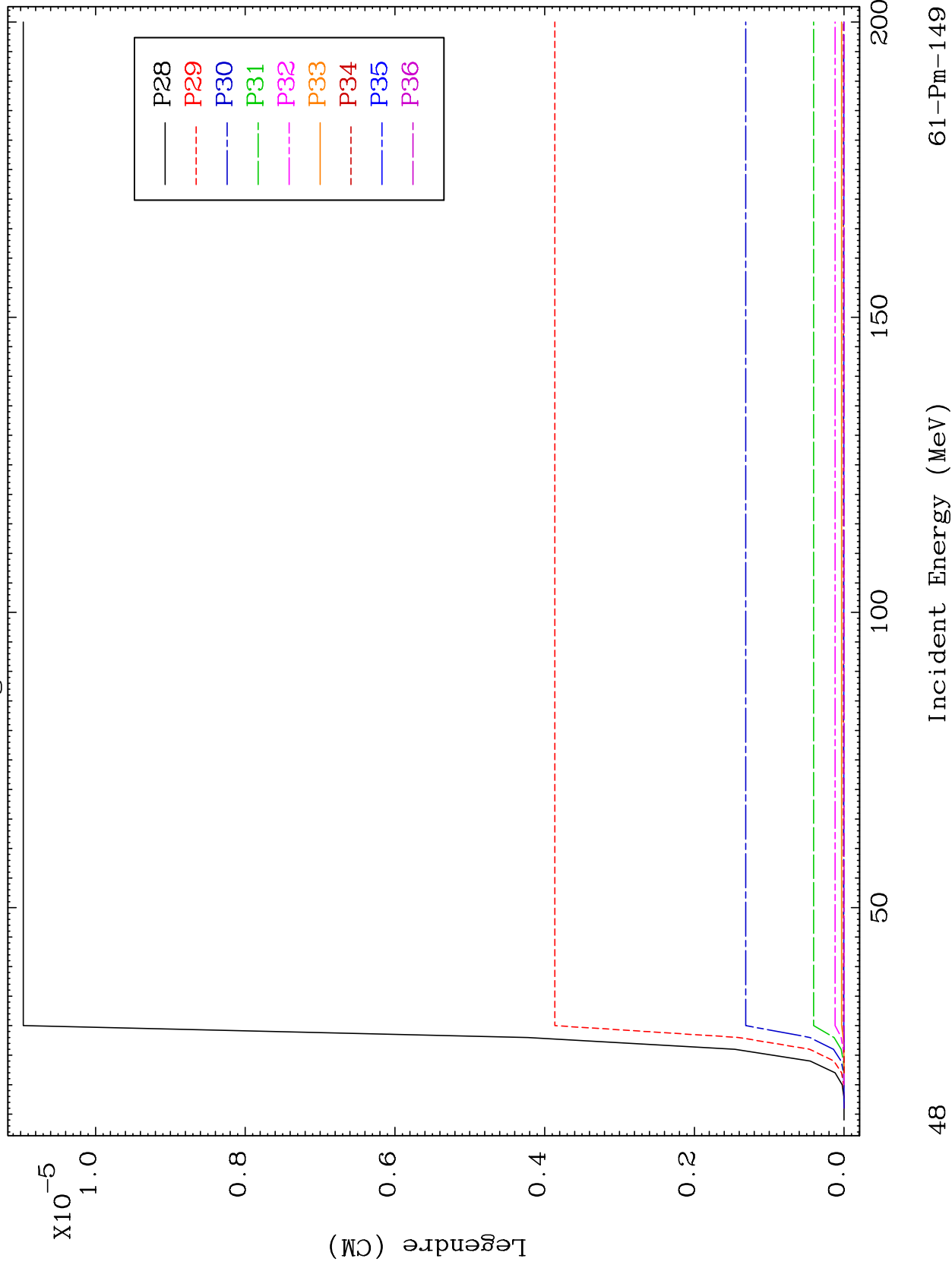
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



48

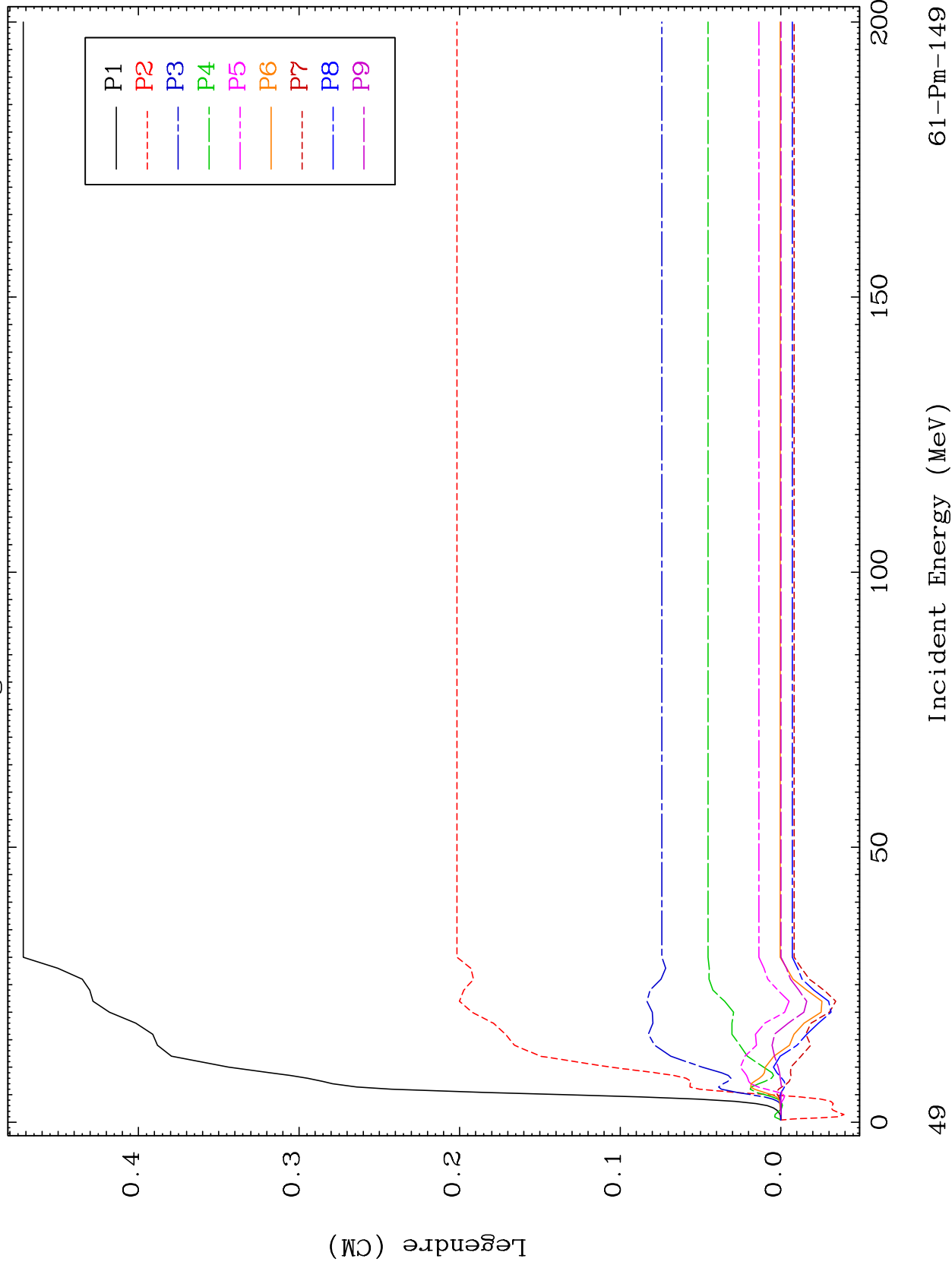
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

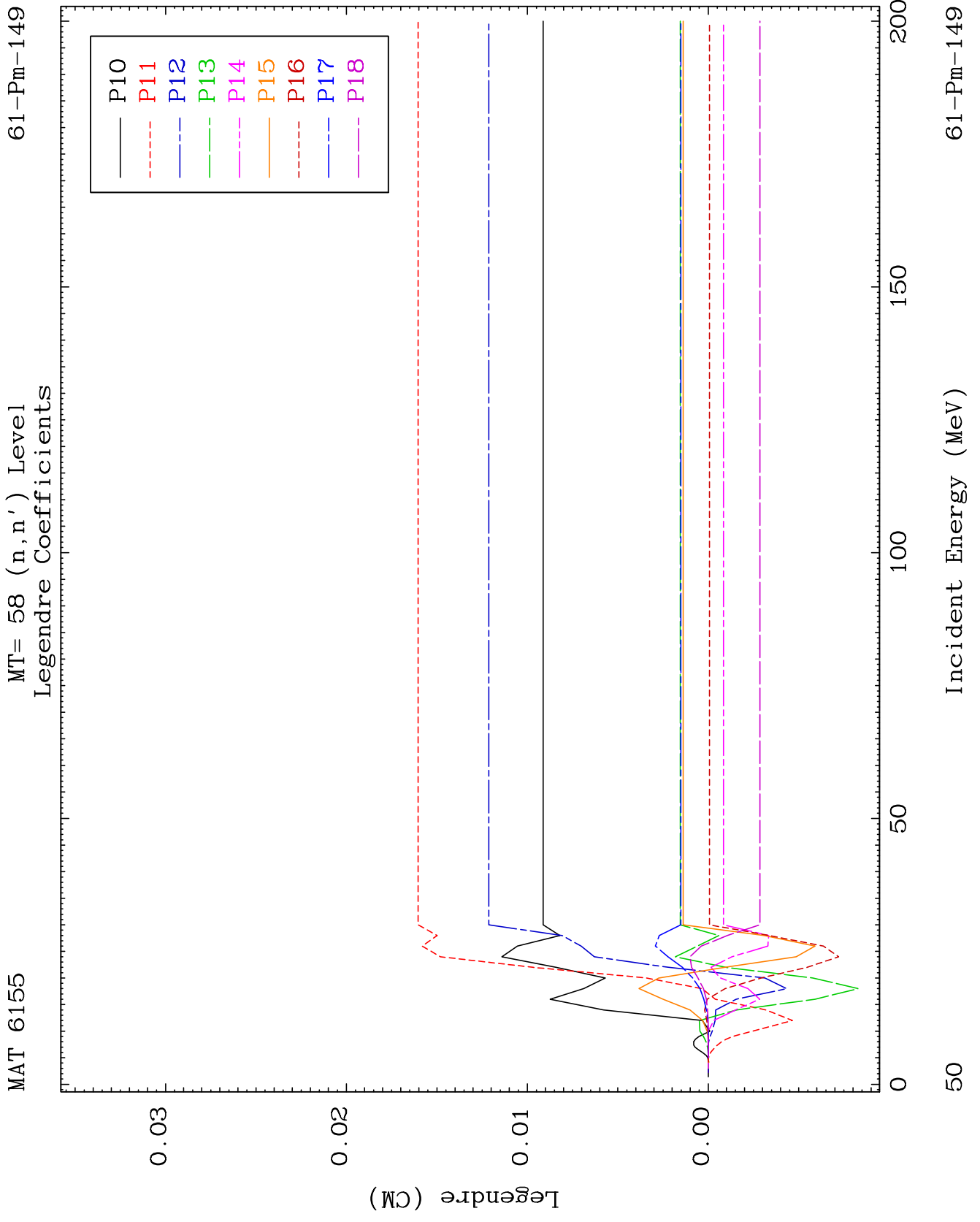
61-Pm-149



61-Pm-149

Incident Energy (MeV)

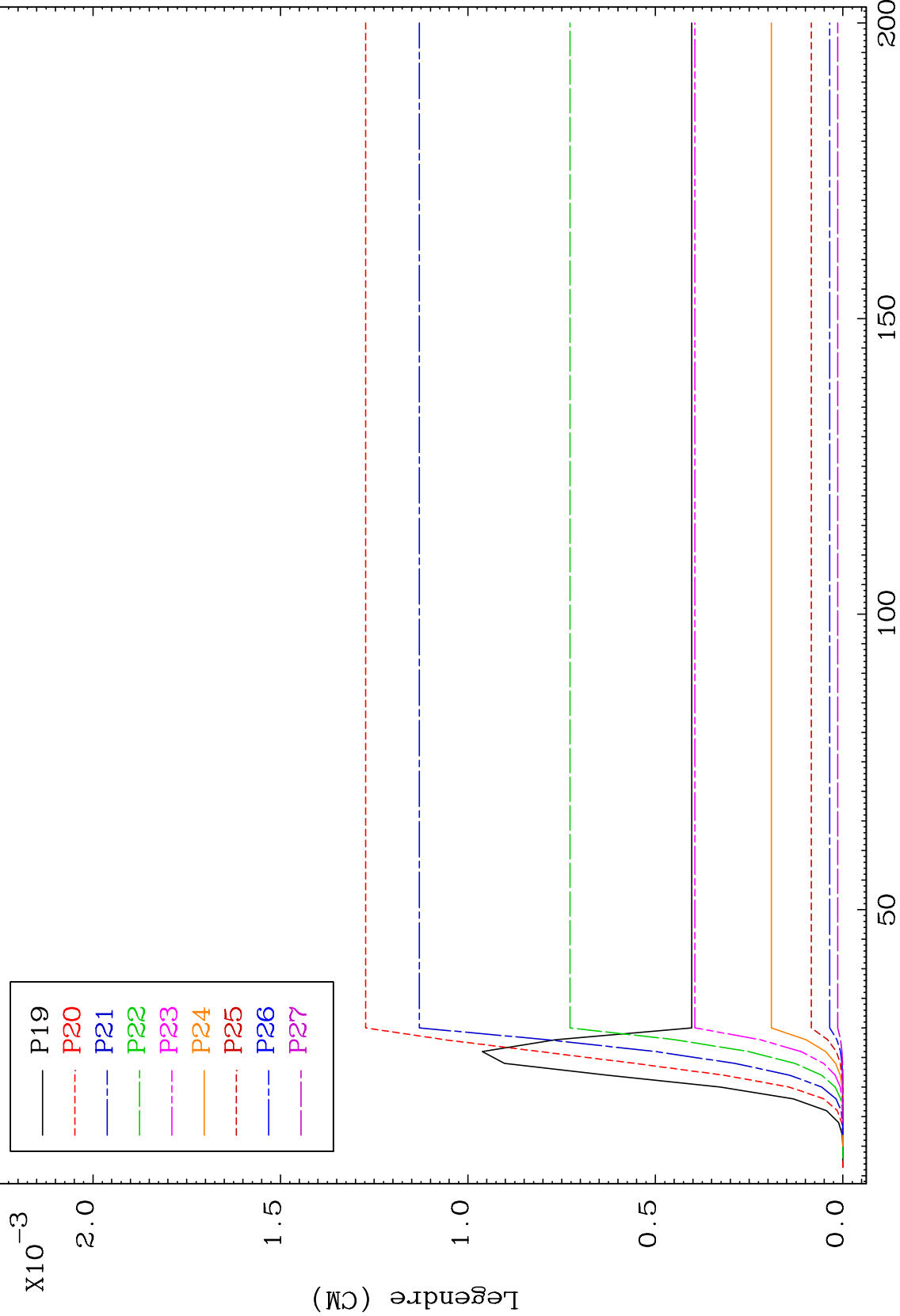
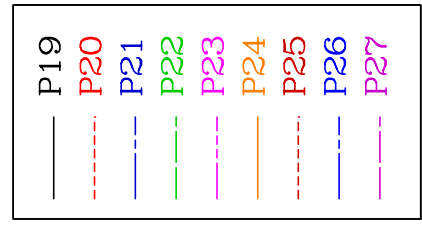
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MAT 6155

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

61-Pm-149



51

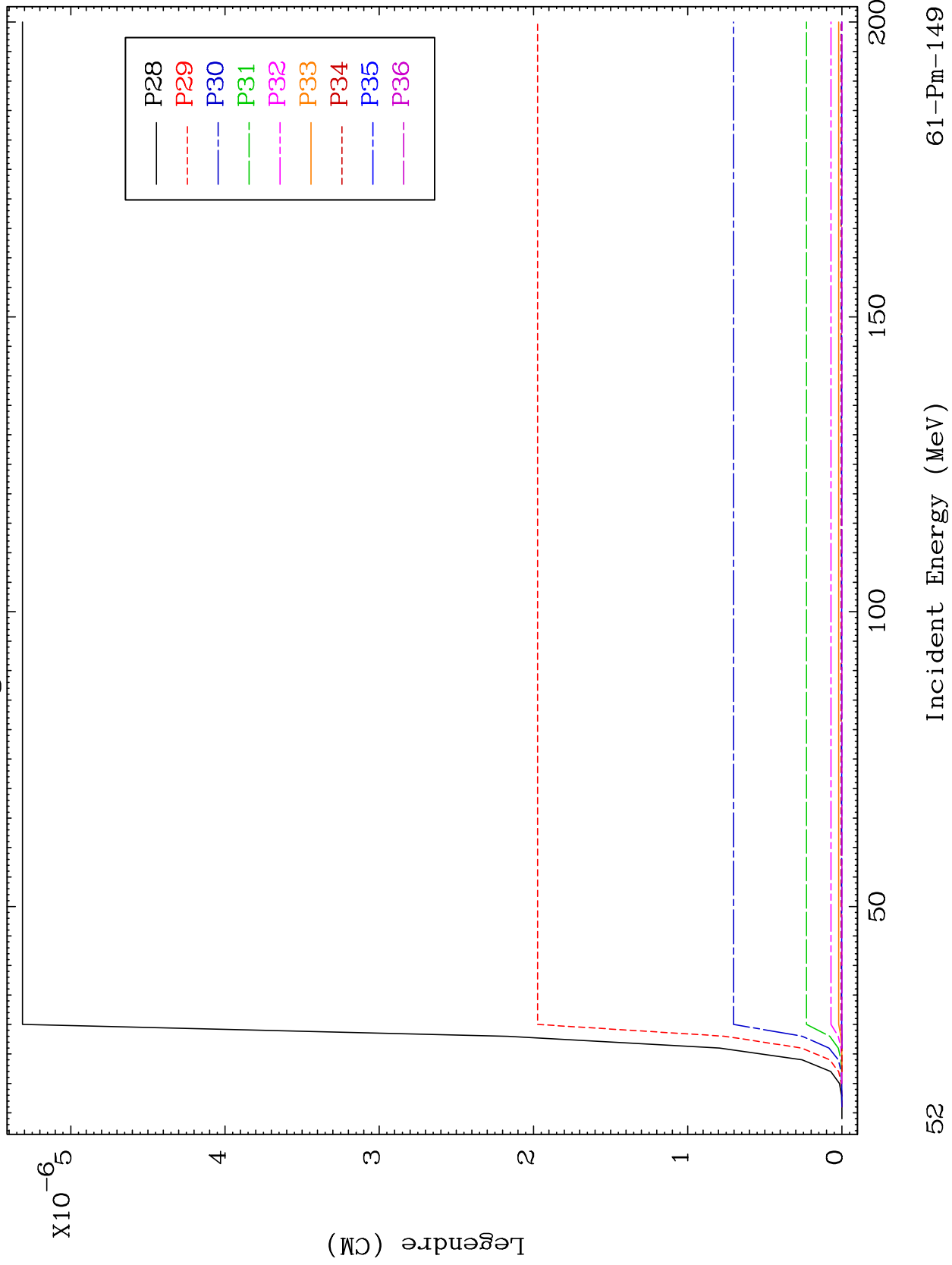
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



52

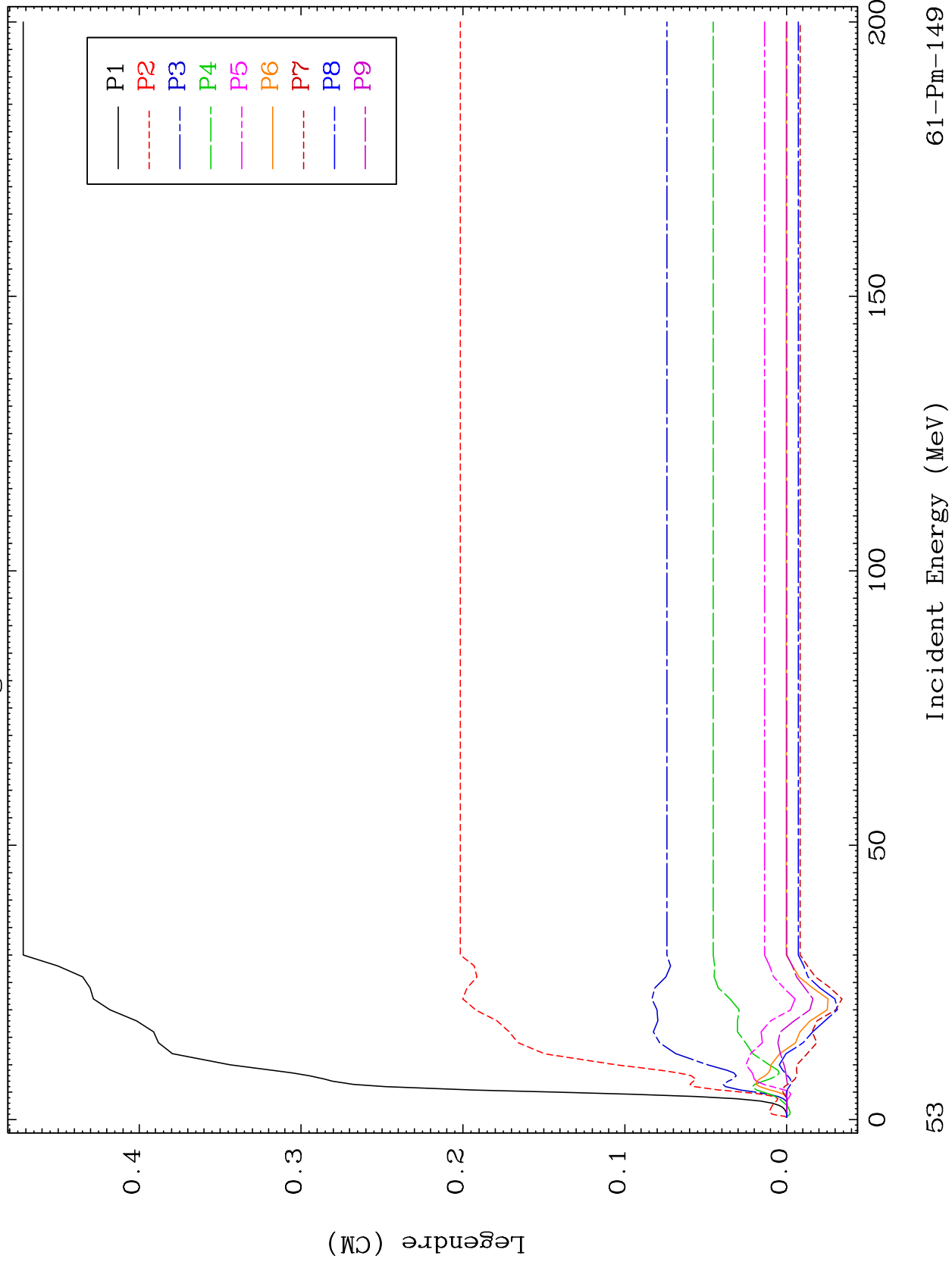
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



53

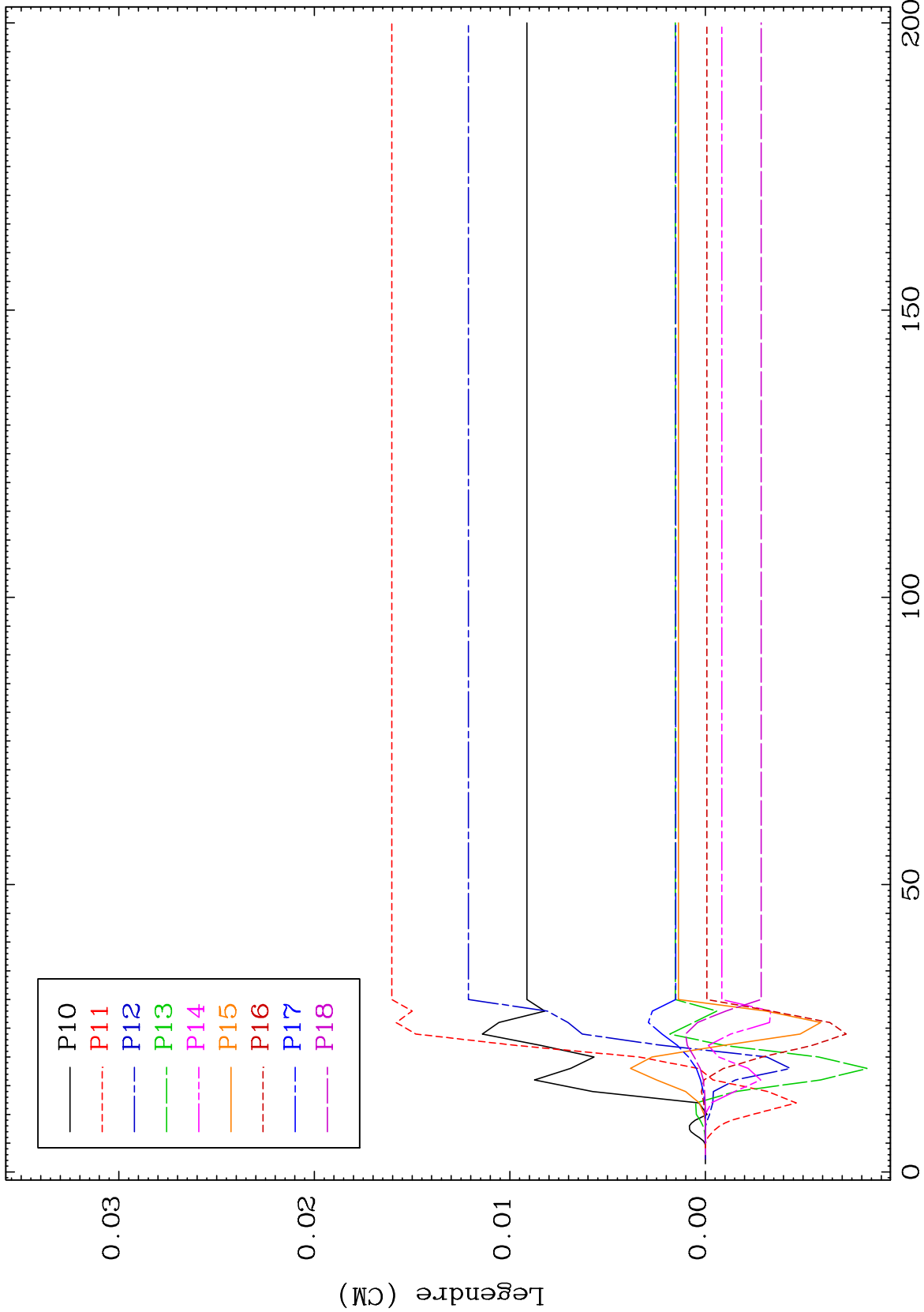
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



54

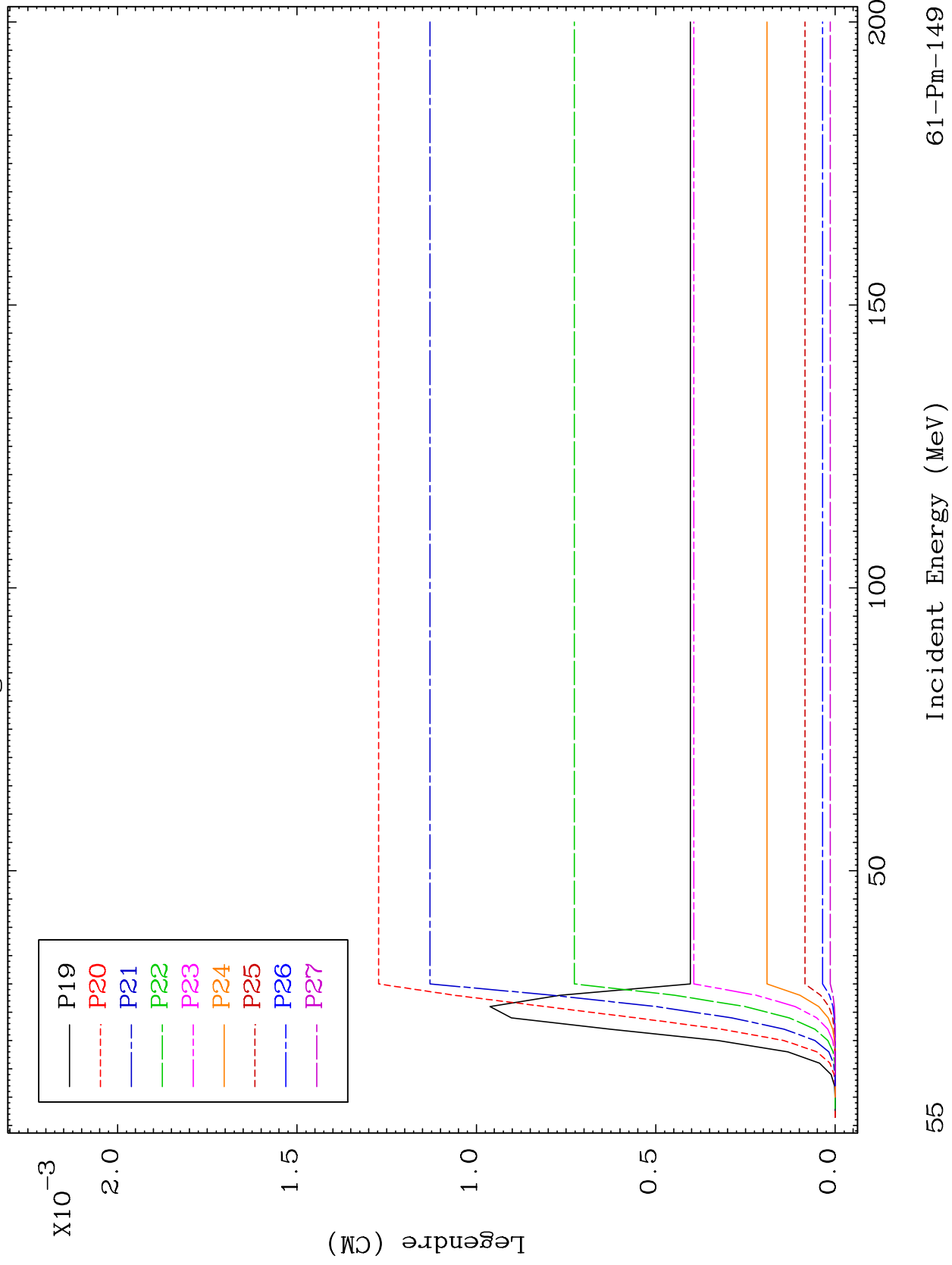
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



55

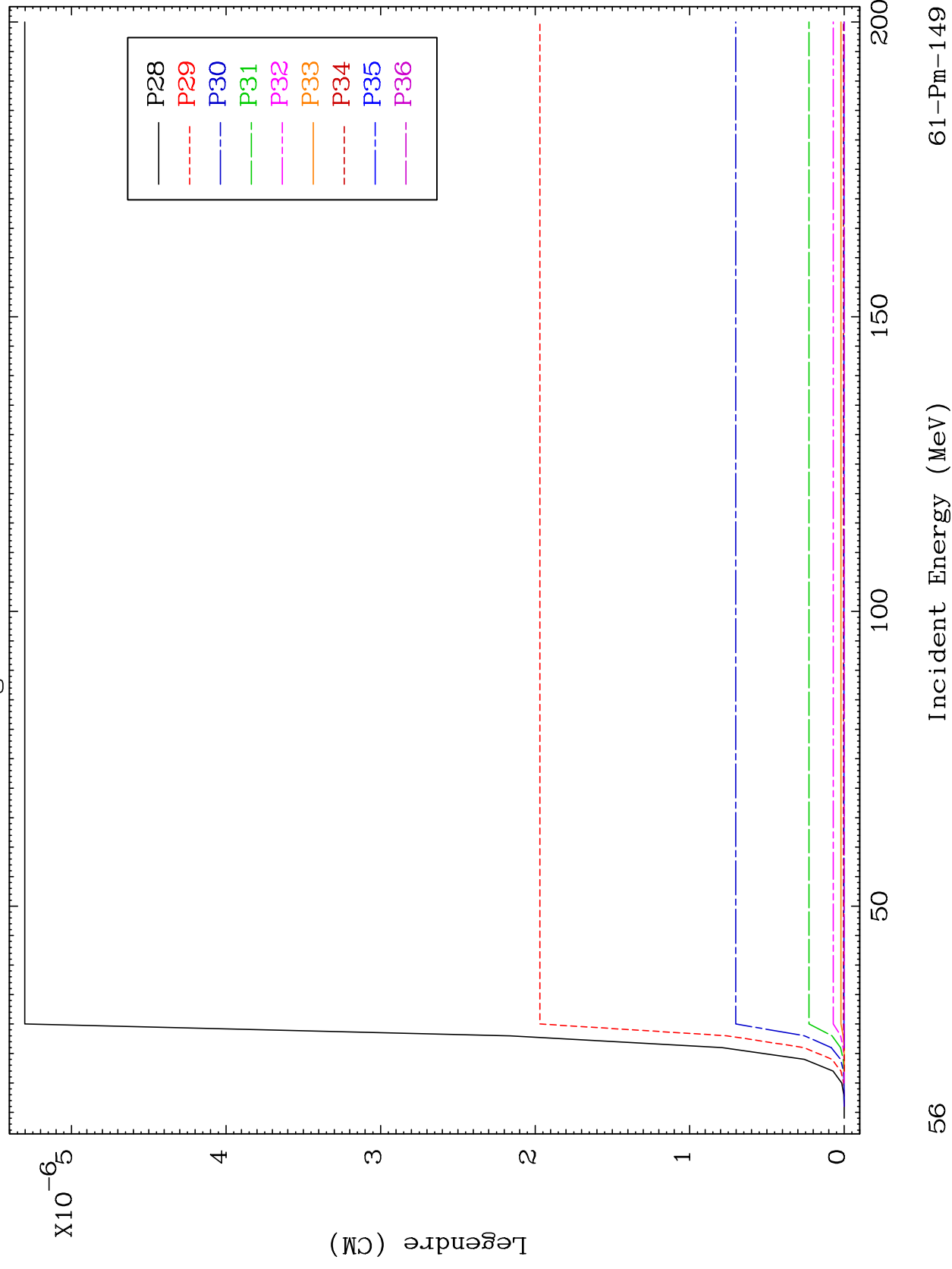
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



56

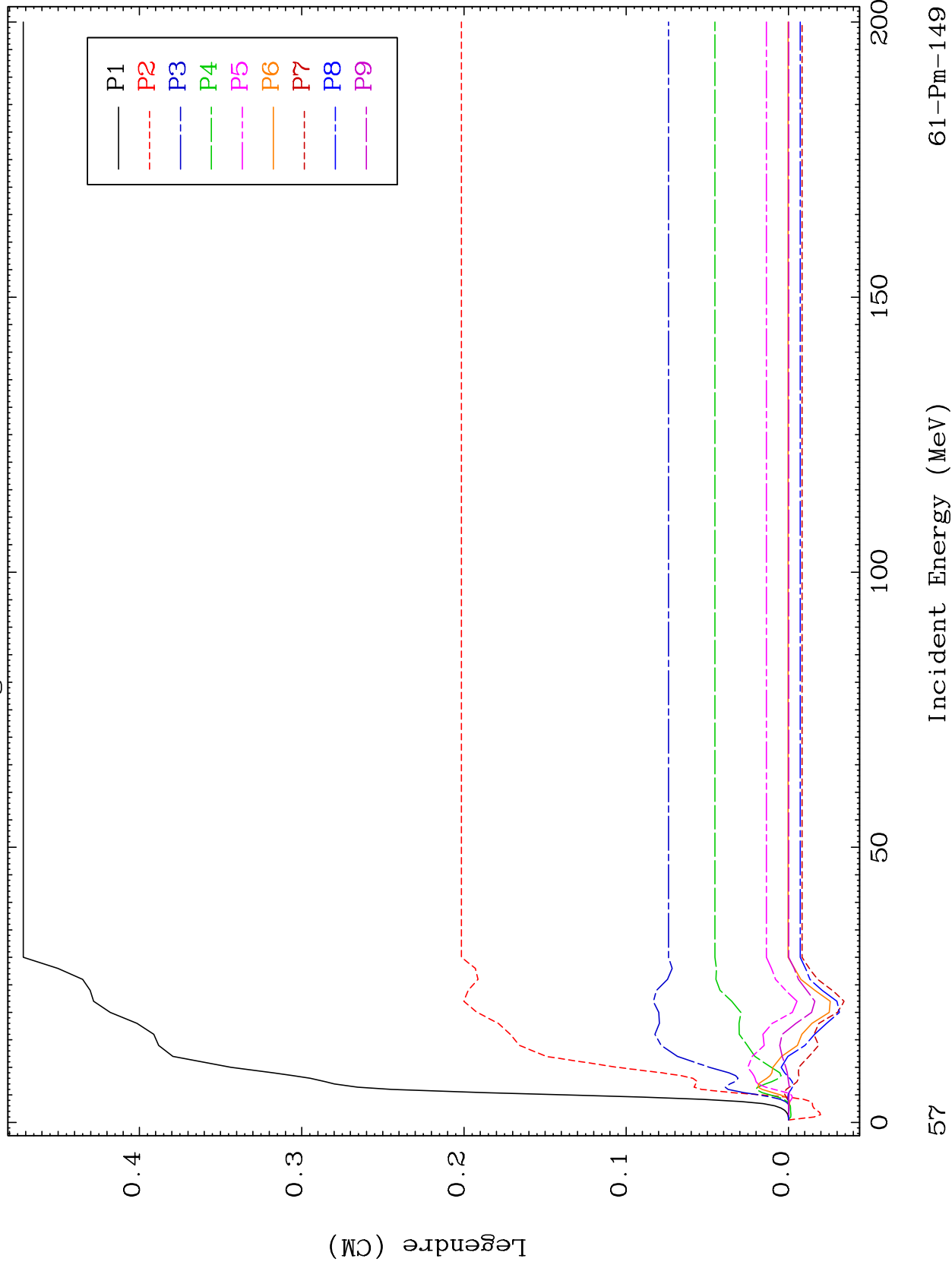
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



57

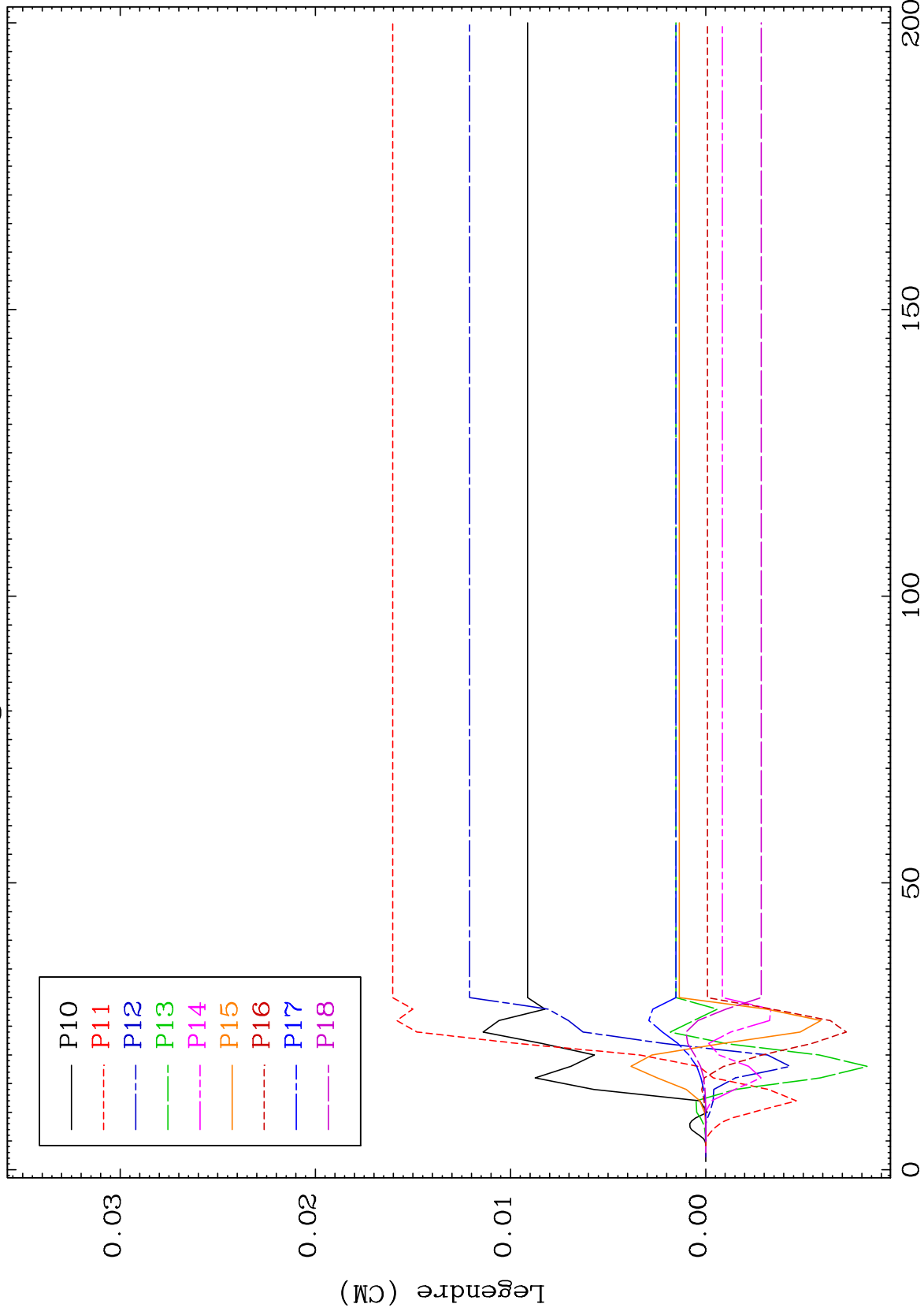
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



58

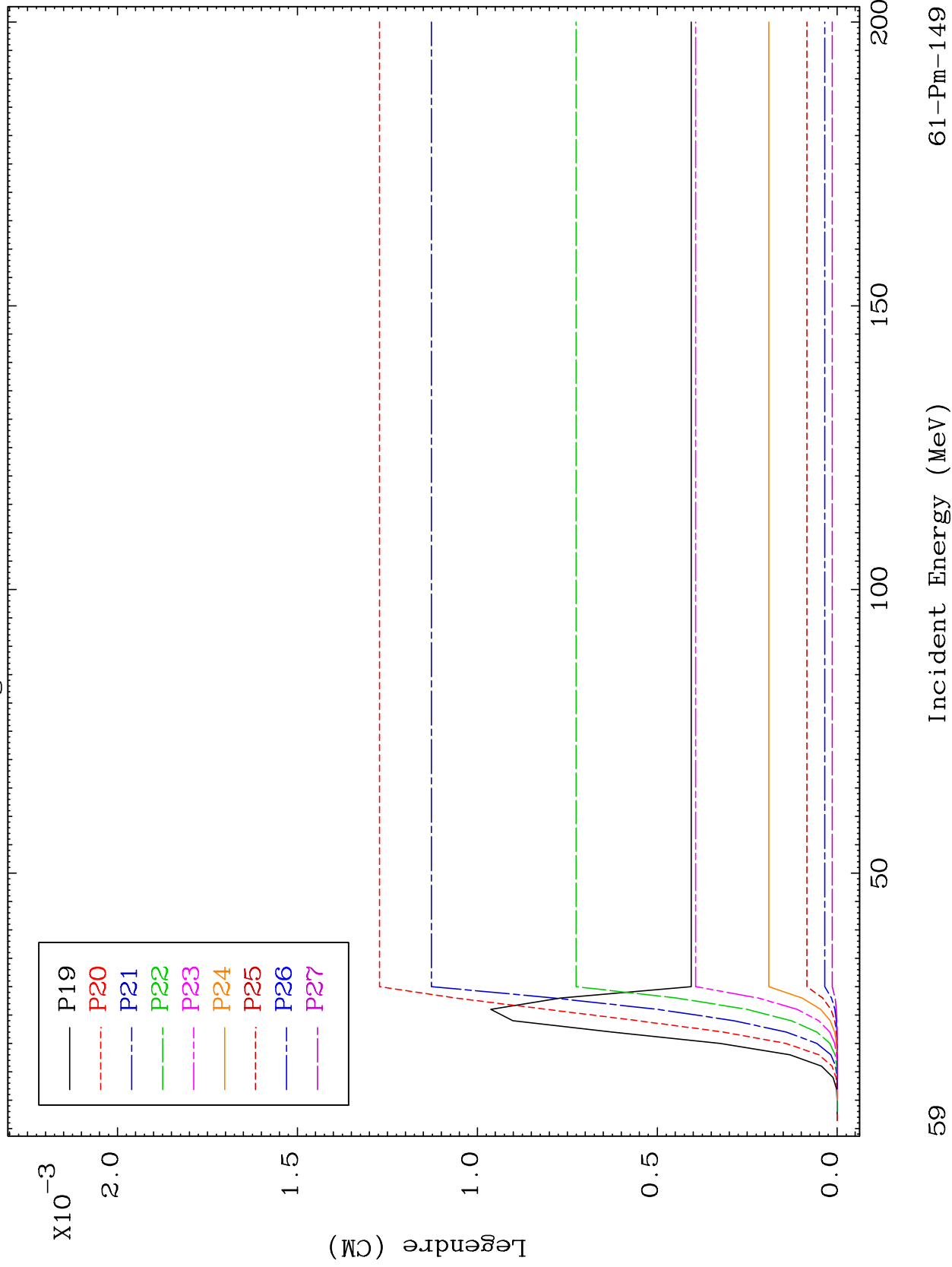
61-Pm-149

61-Pm-149

MAT 6155

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

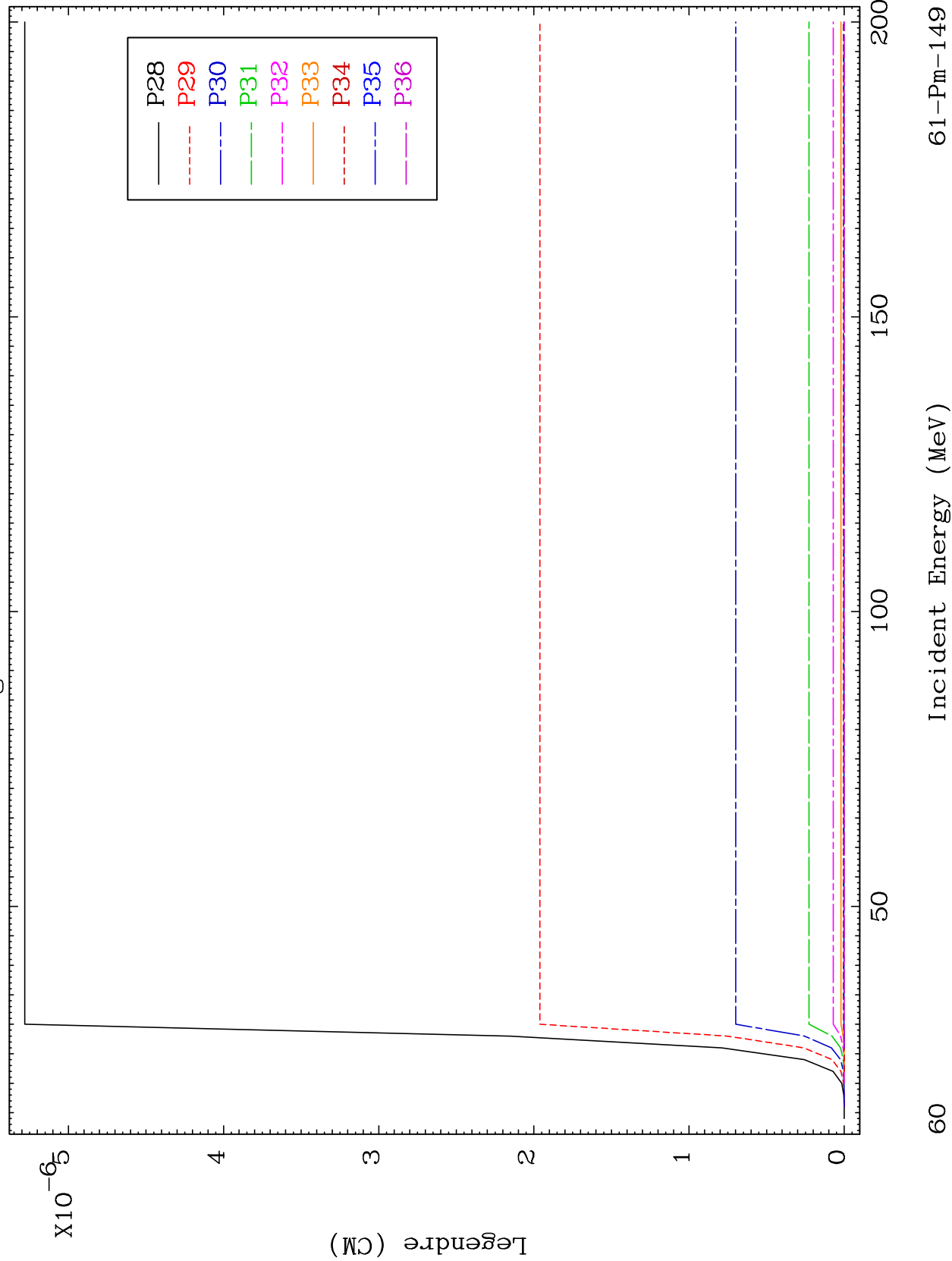
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MAT 6155

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

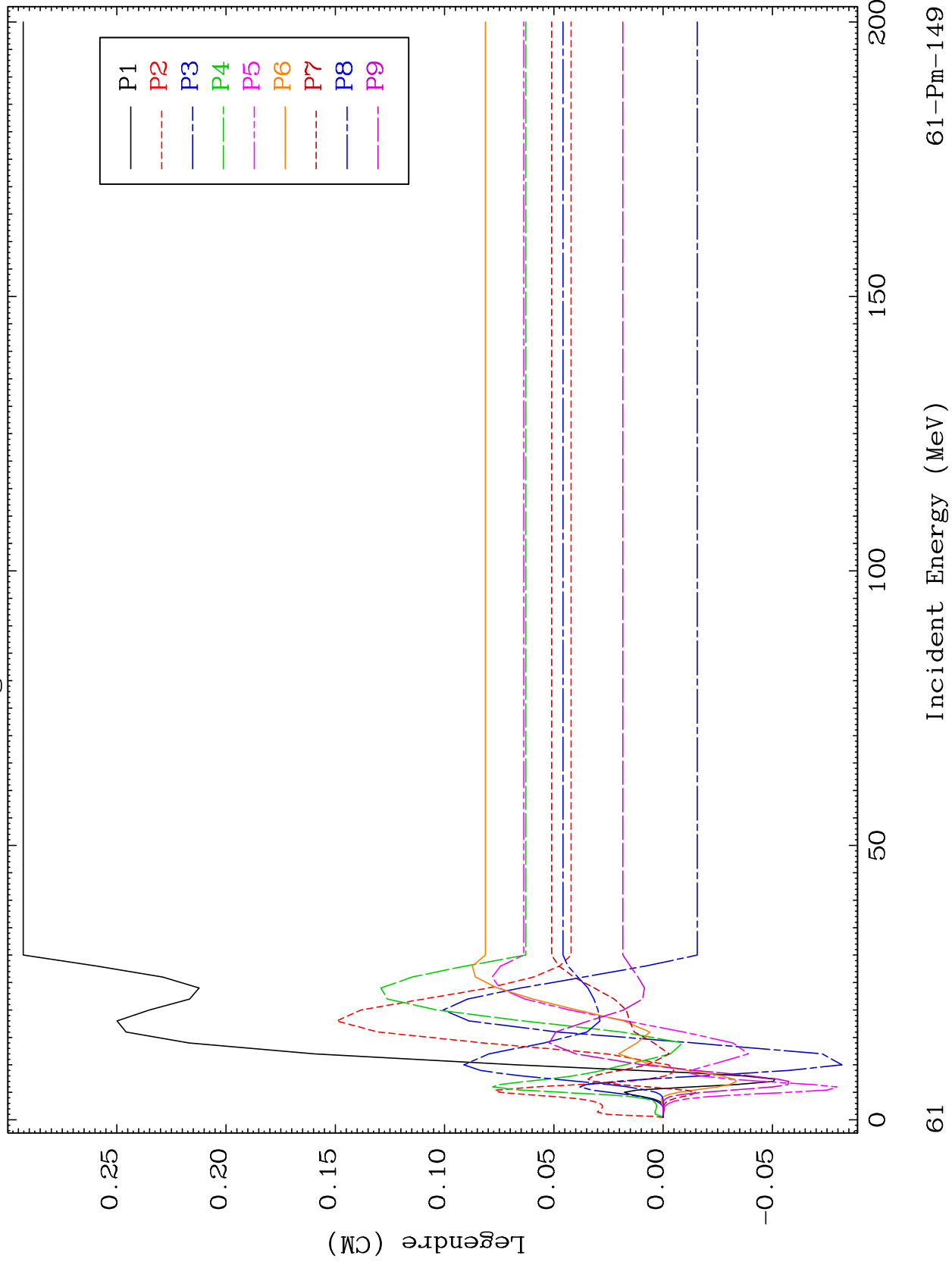
61-Pm-149



MAT 6155

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

61-Pm-149



61

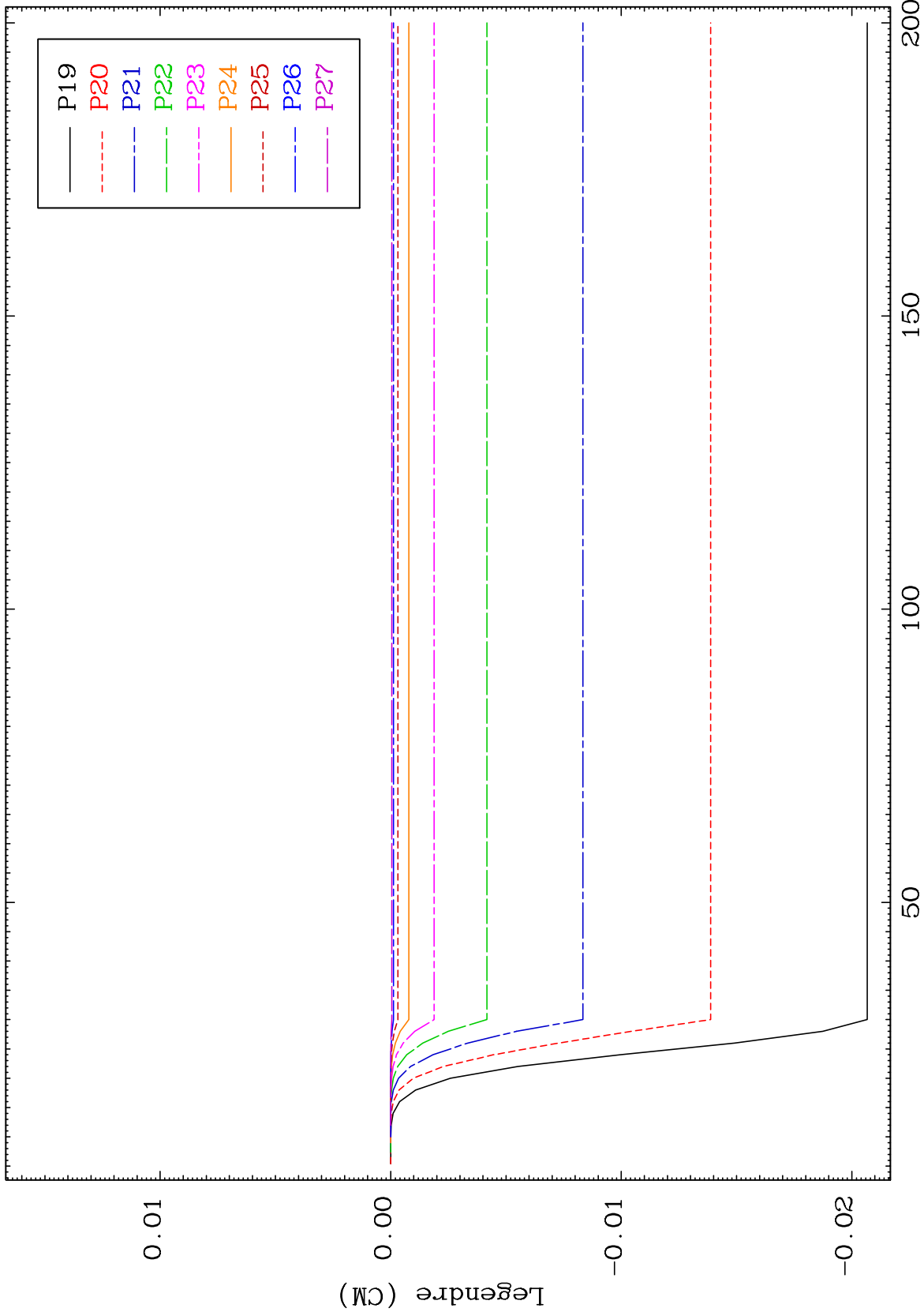
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

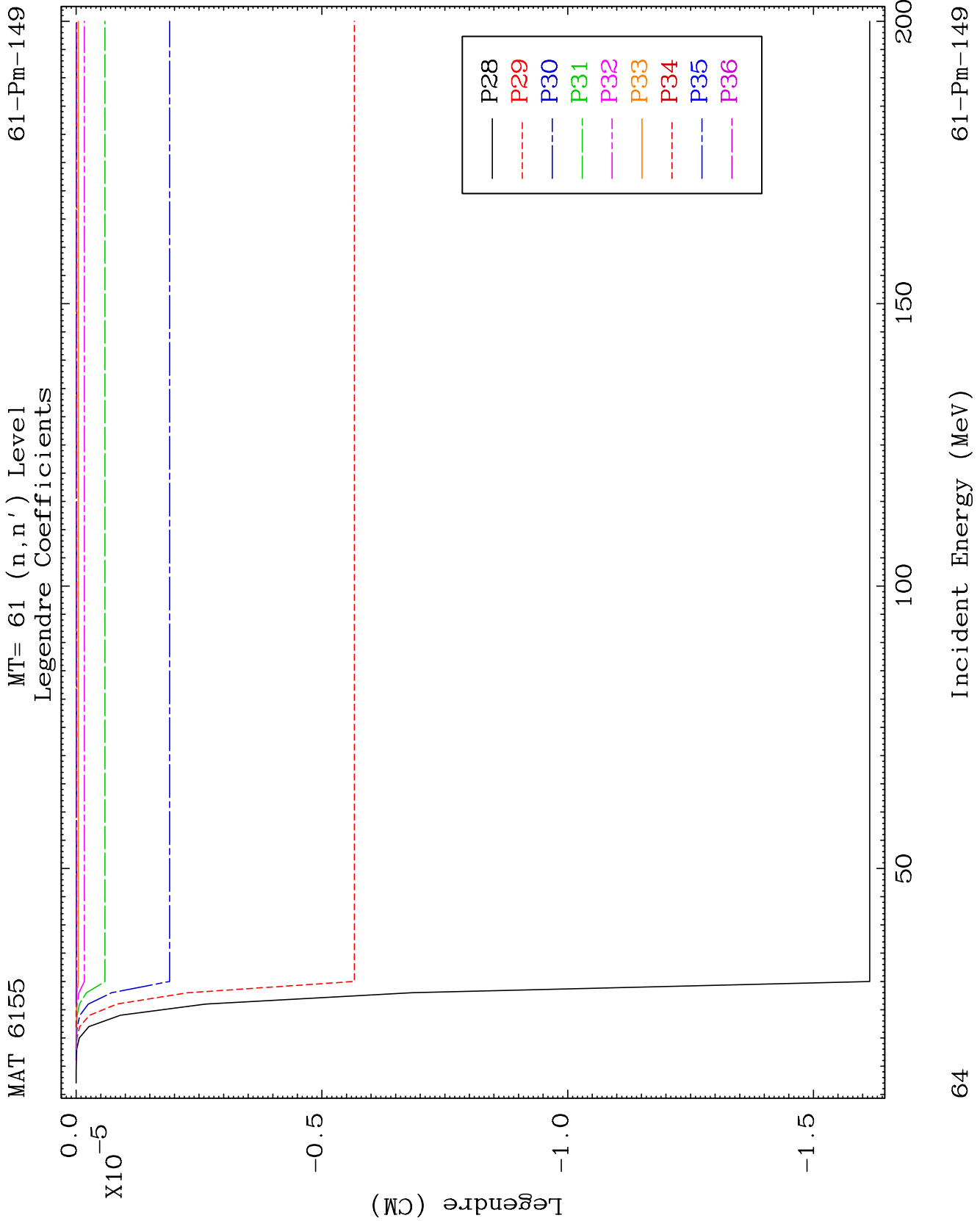
61-Pm-149



63

Incident Energy (MeV)

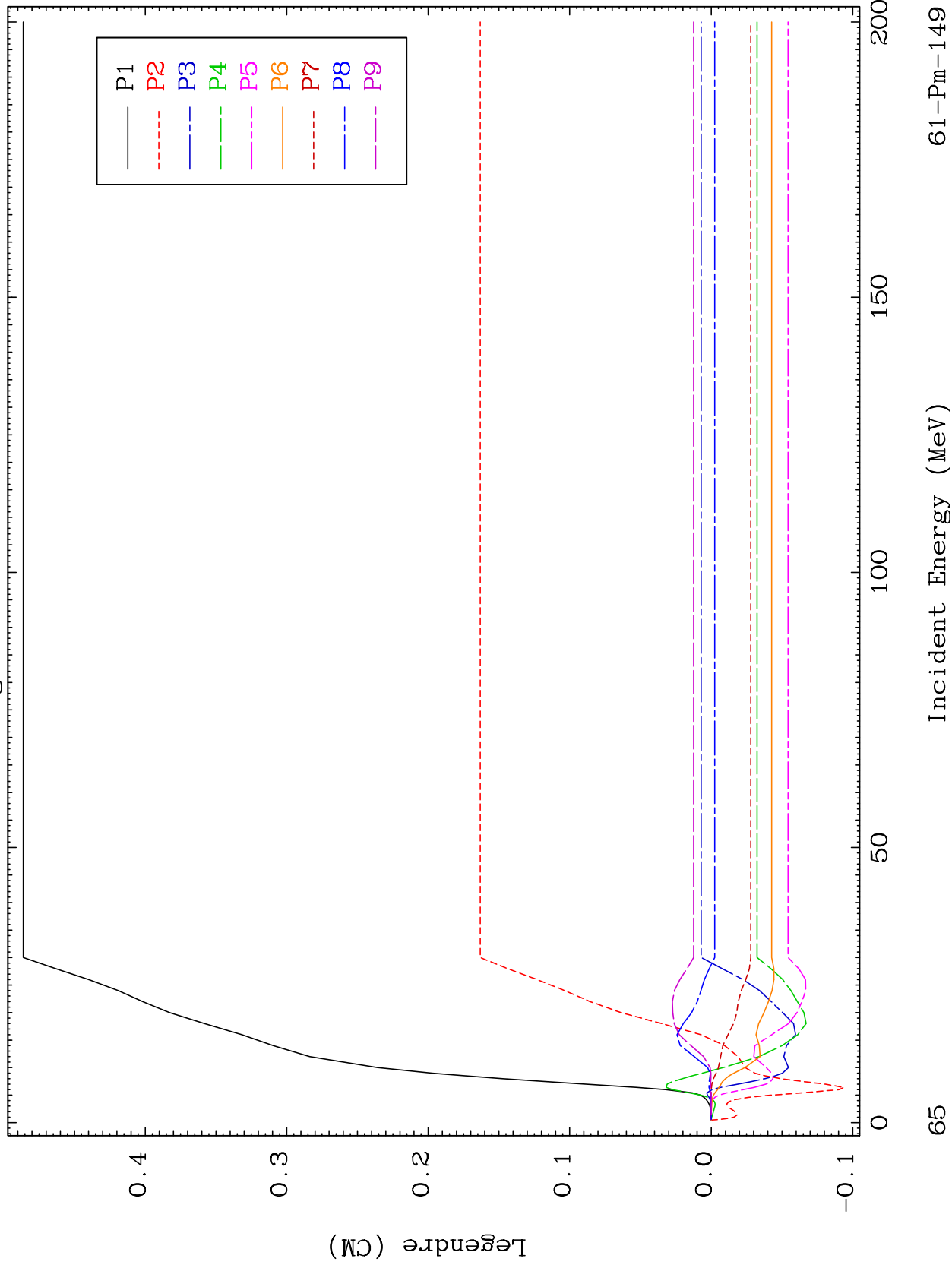
61-Pm-149



MAT 6155

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

61-Pm-149



61-Pm-149

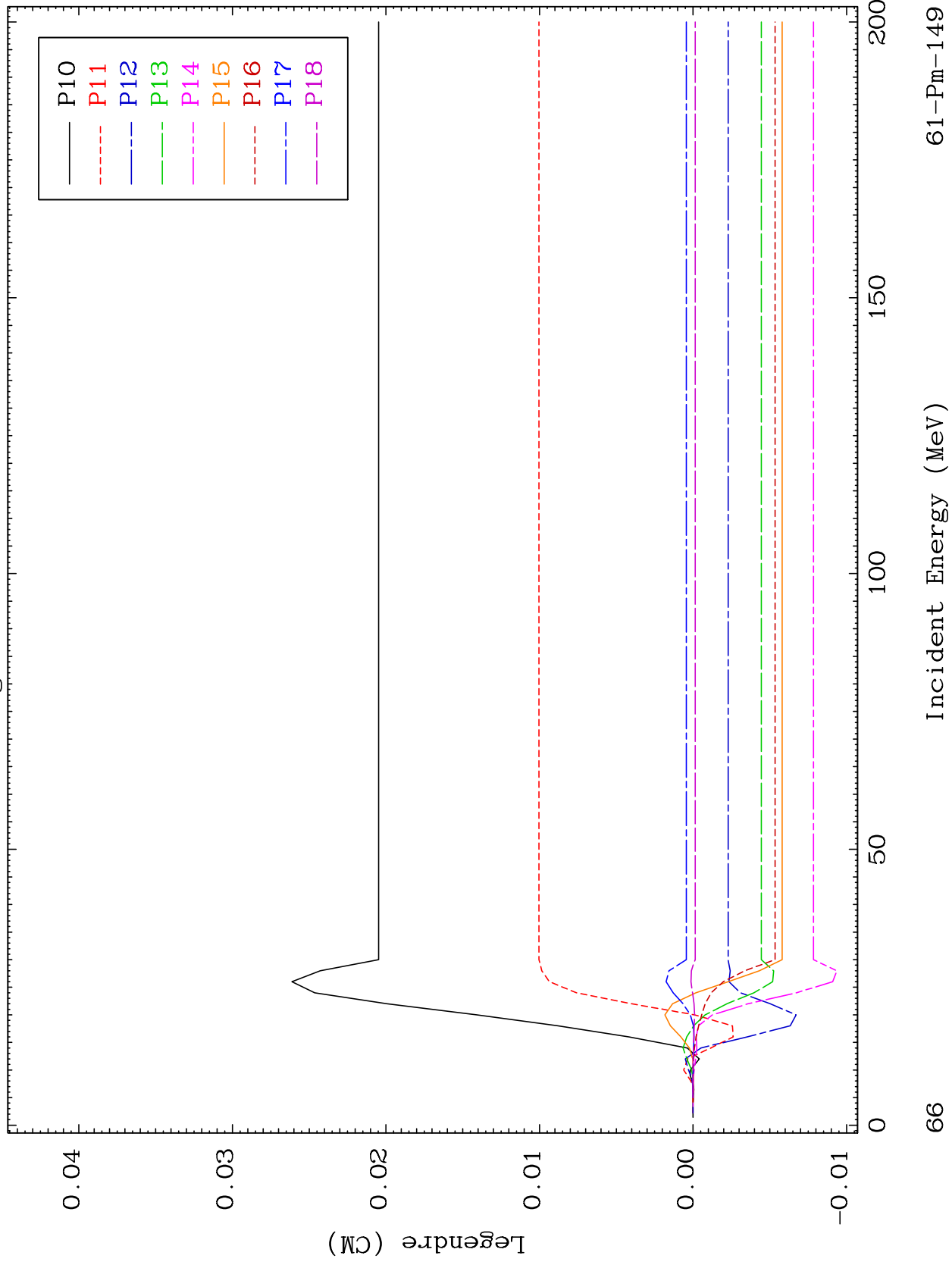
Incident Energy (MeV)

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MAT 6155

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

61-Pm-149



61-Pm-149

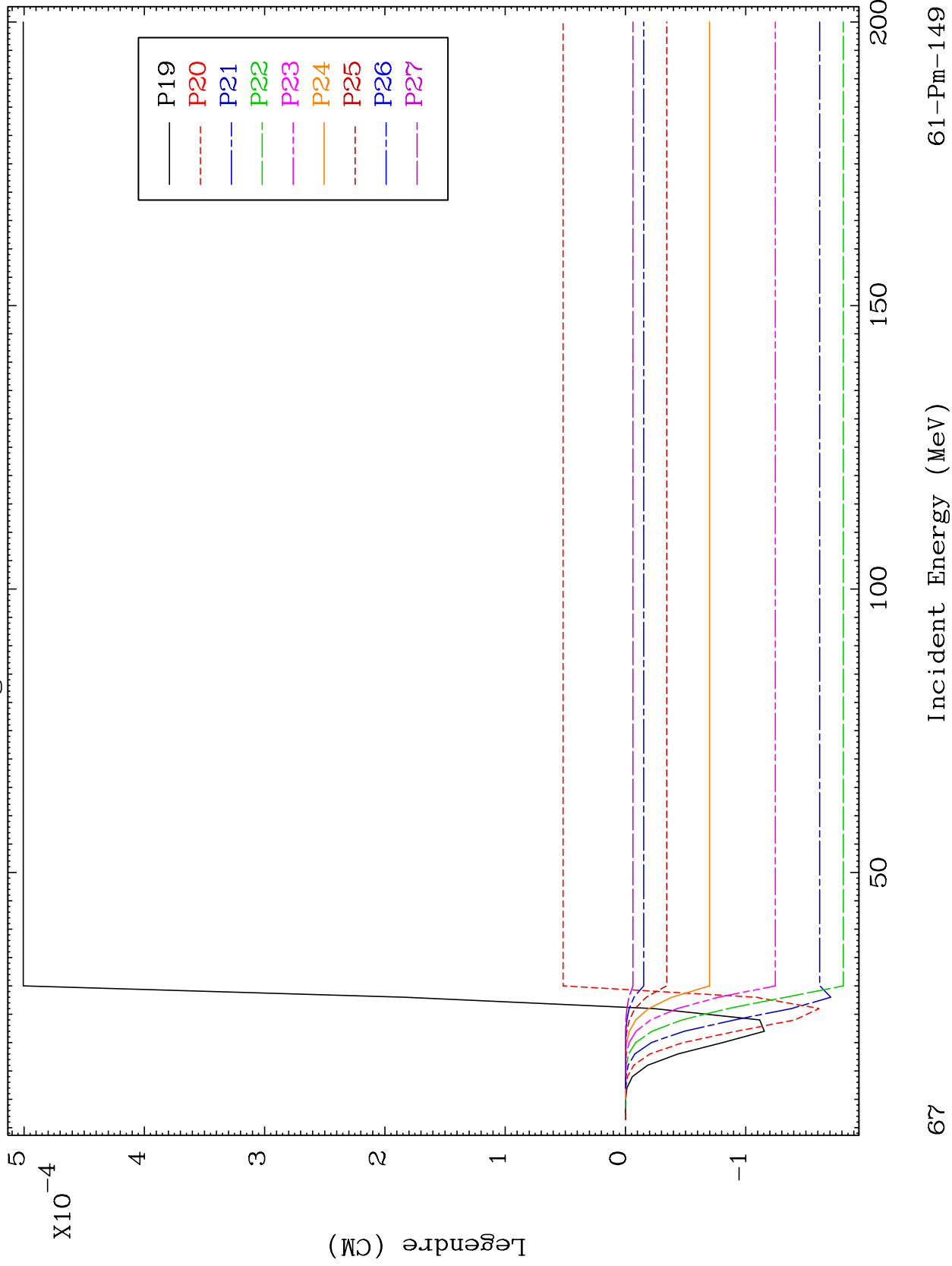
Incident Energy (MeV)

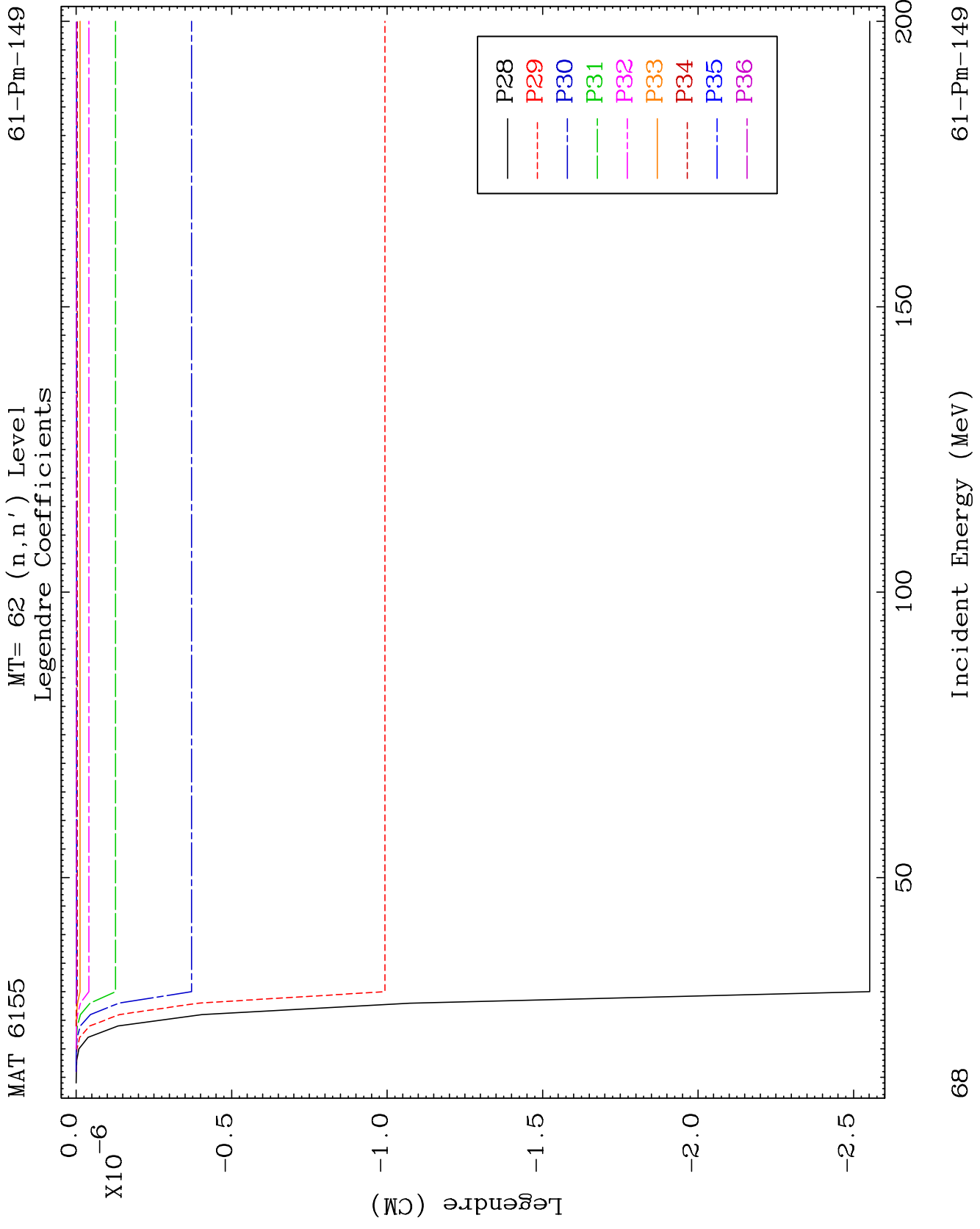
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MAT 6155

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

61-Pm-149

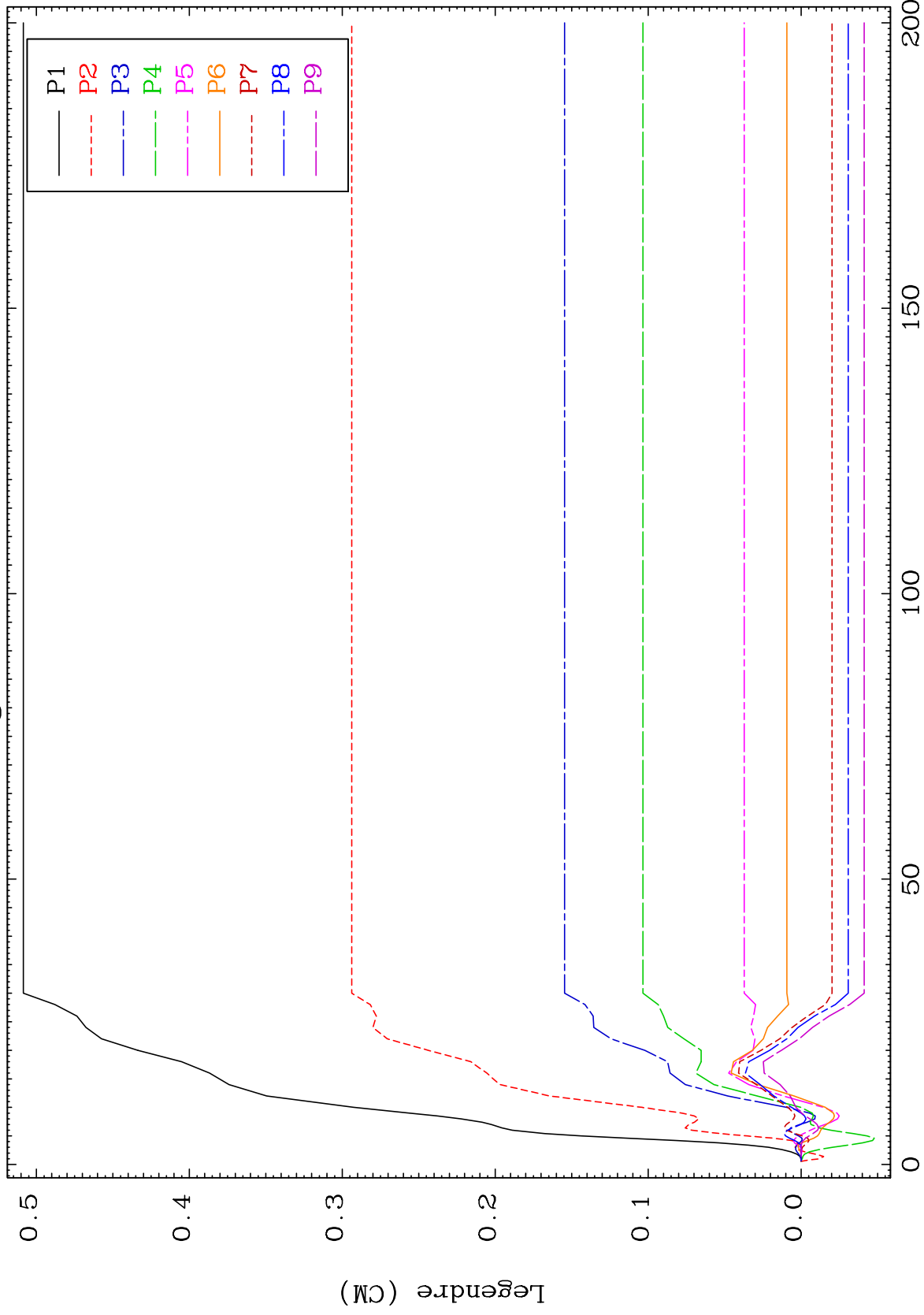




MAT 6155

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

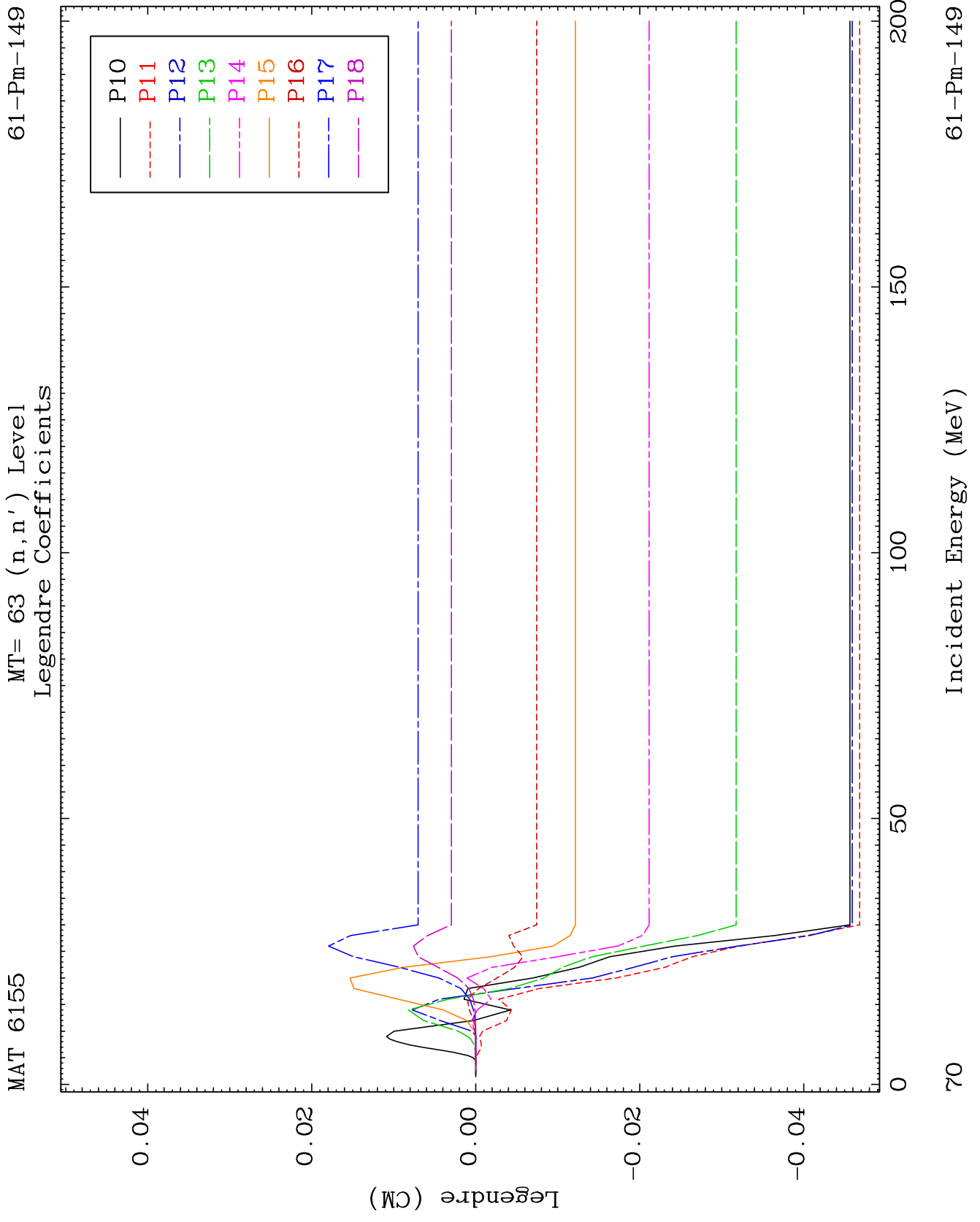
61-Pm-149



61-Pm-149

Incident Energy (MeV)

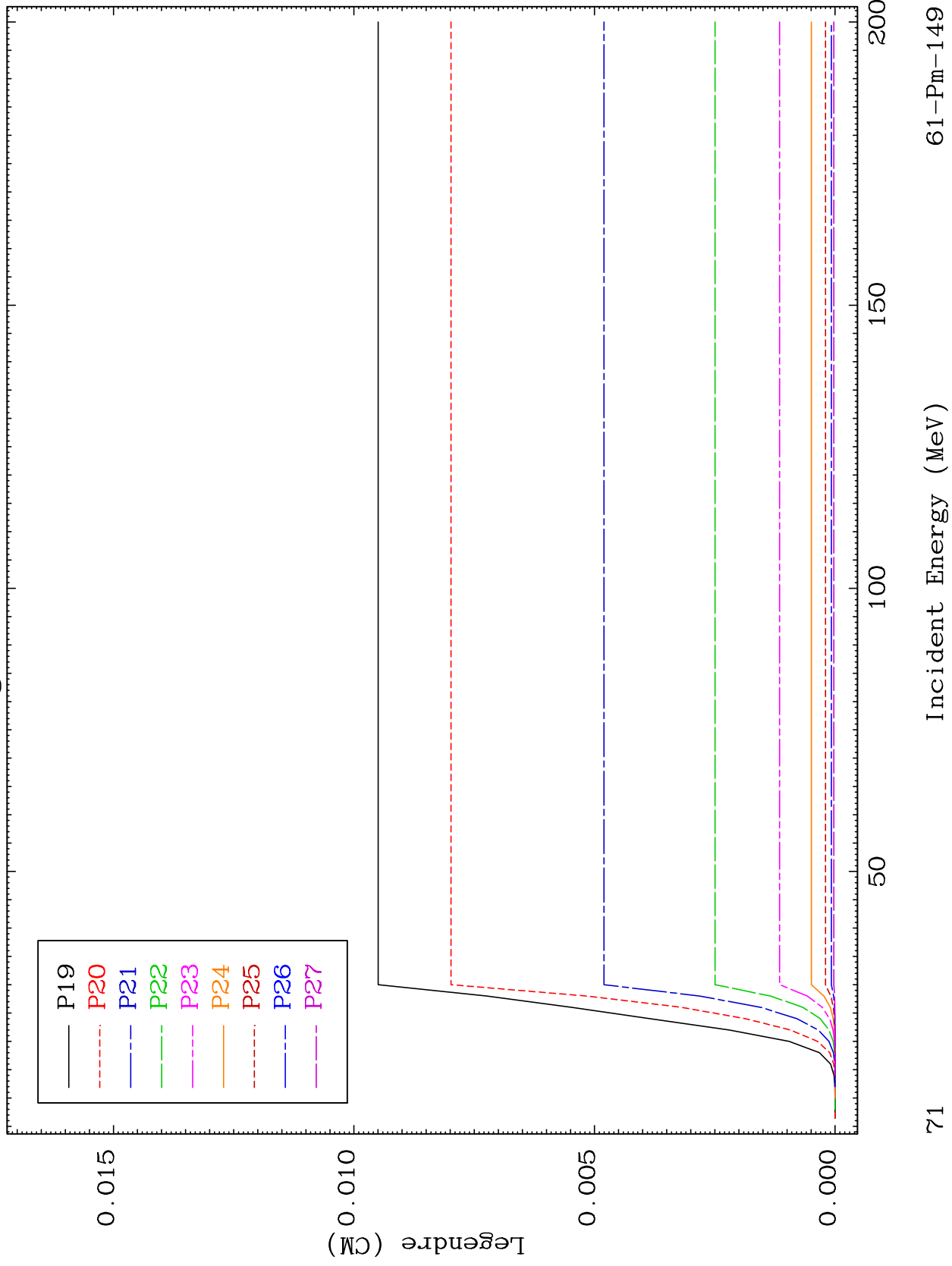
69



MAT 6155

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

61-Pm-149



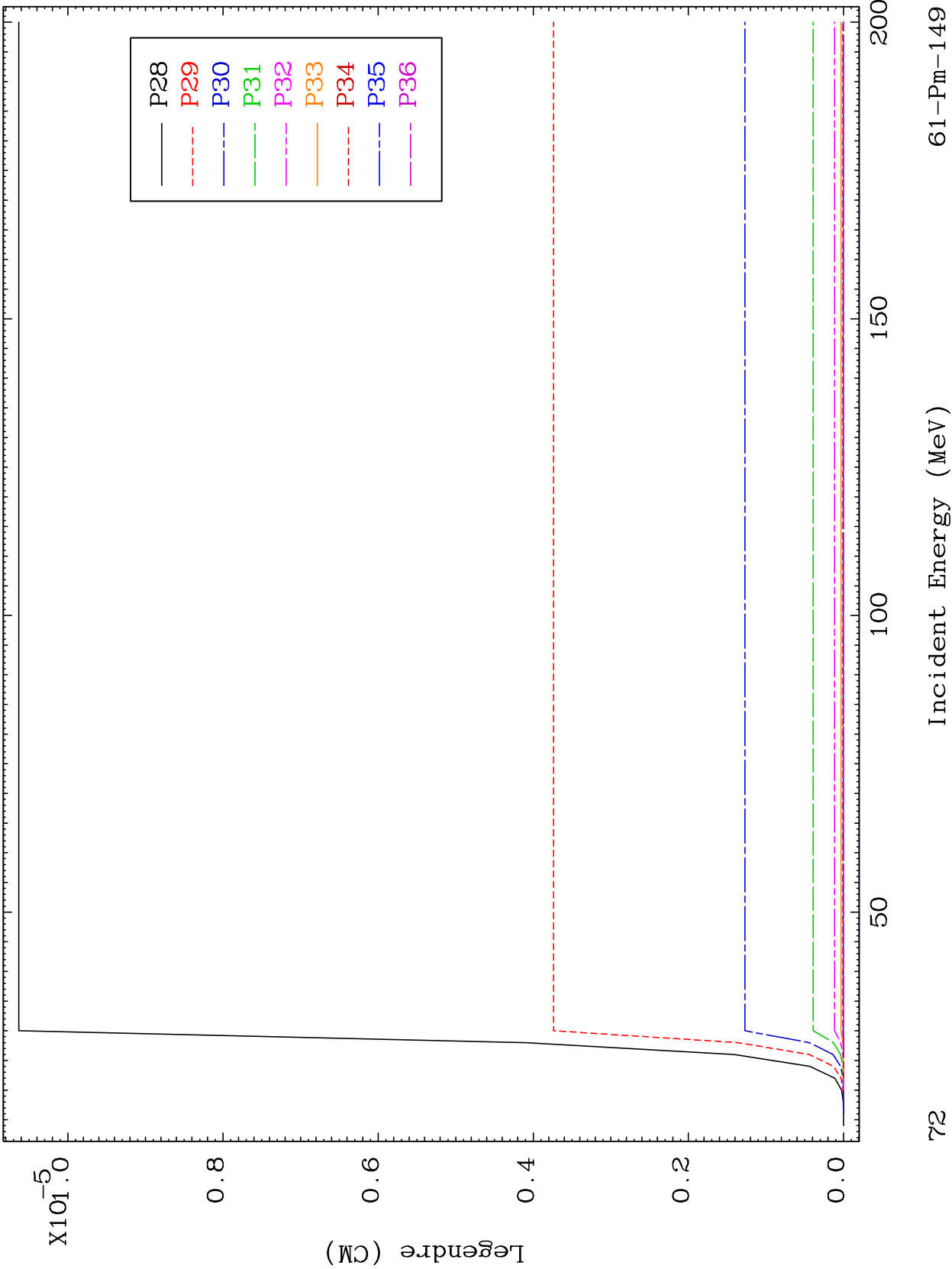
71

61-Pm-149

MAT 6155

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

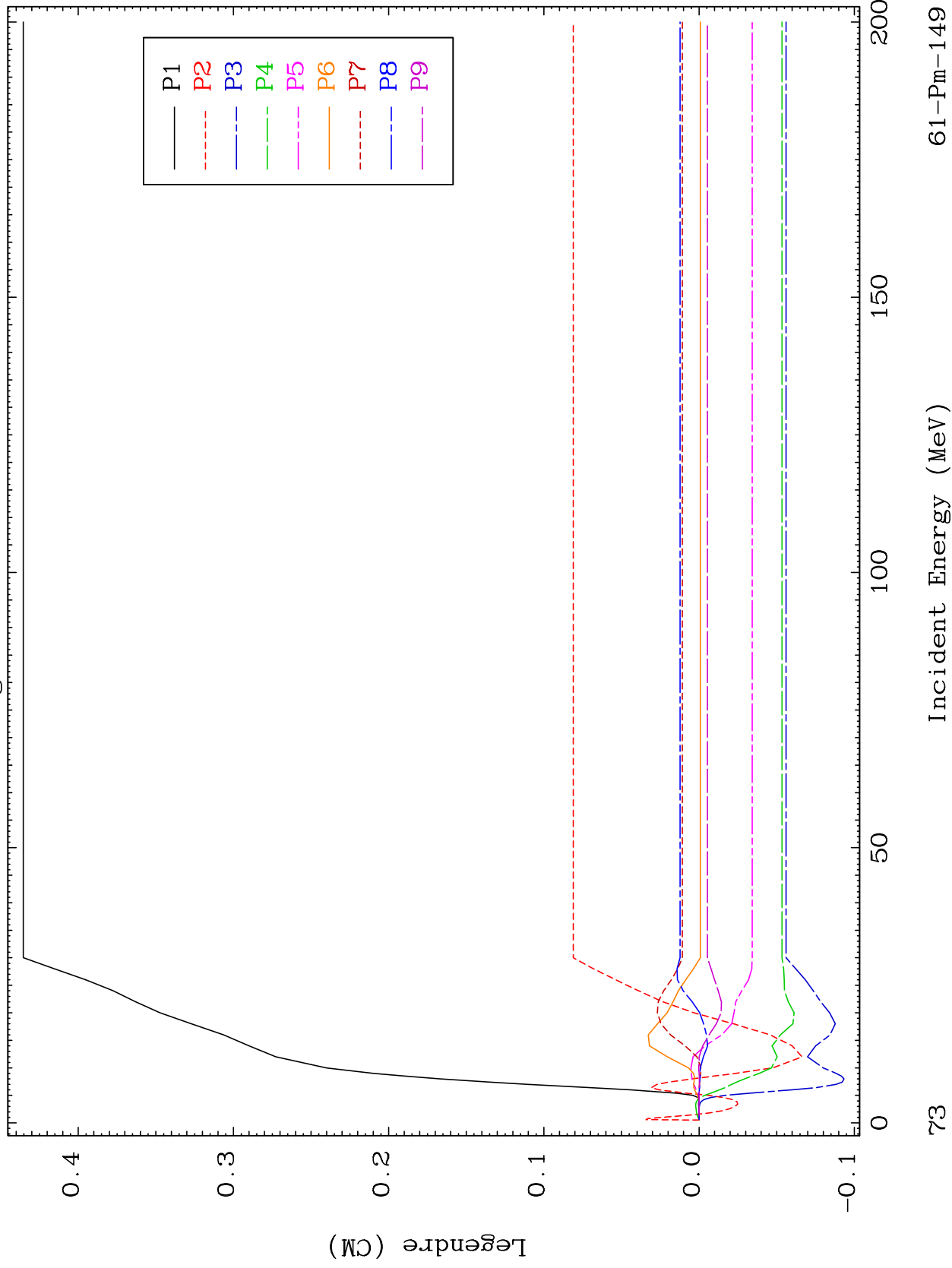
61-Pm-149



MAT 6155

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

61-Pm-149



61-Pm-149

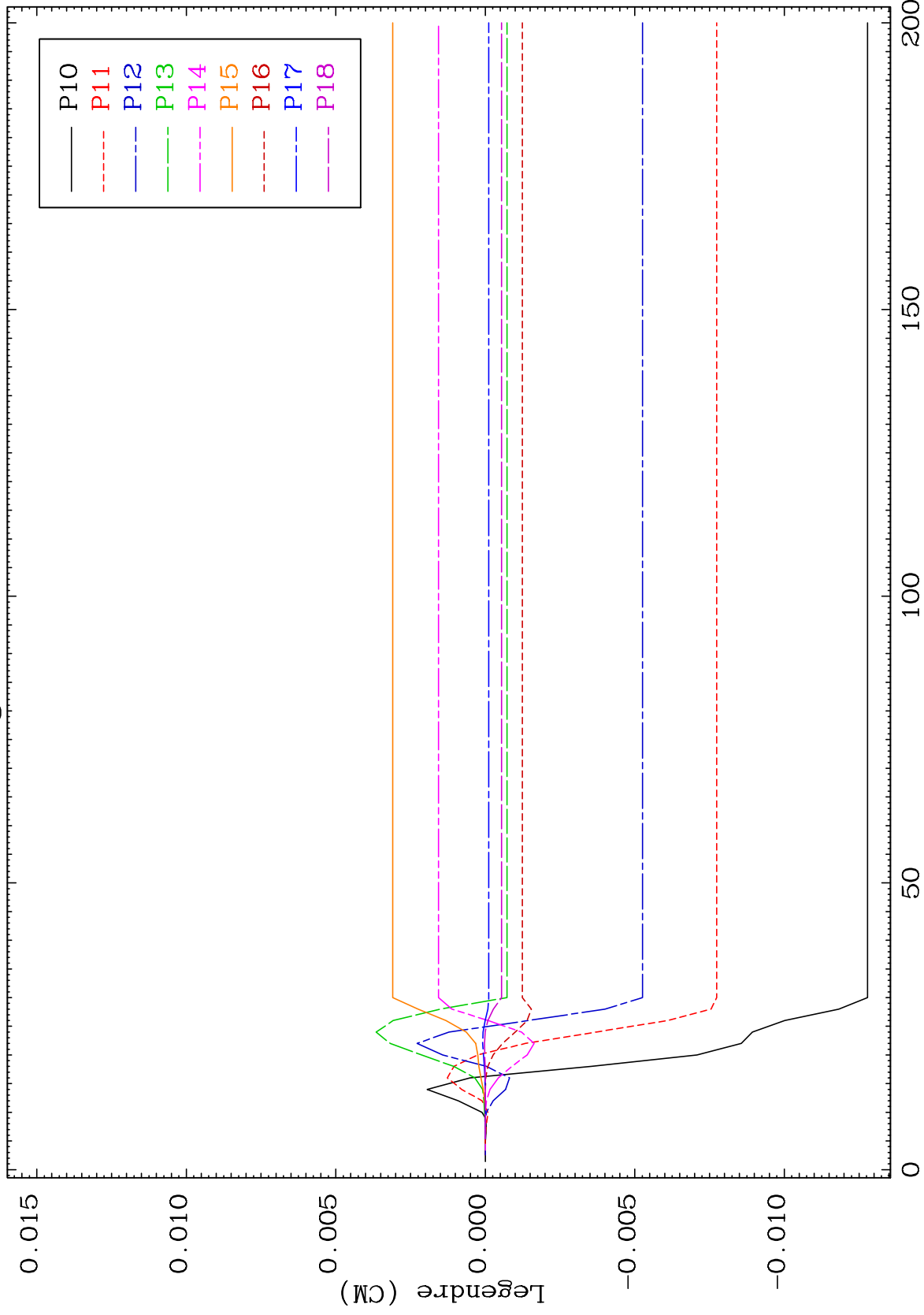
Incident Energy (MeV)

73

MAT 6155

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

61-Pm-149



74

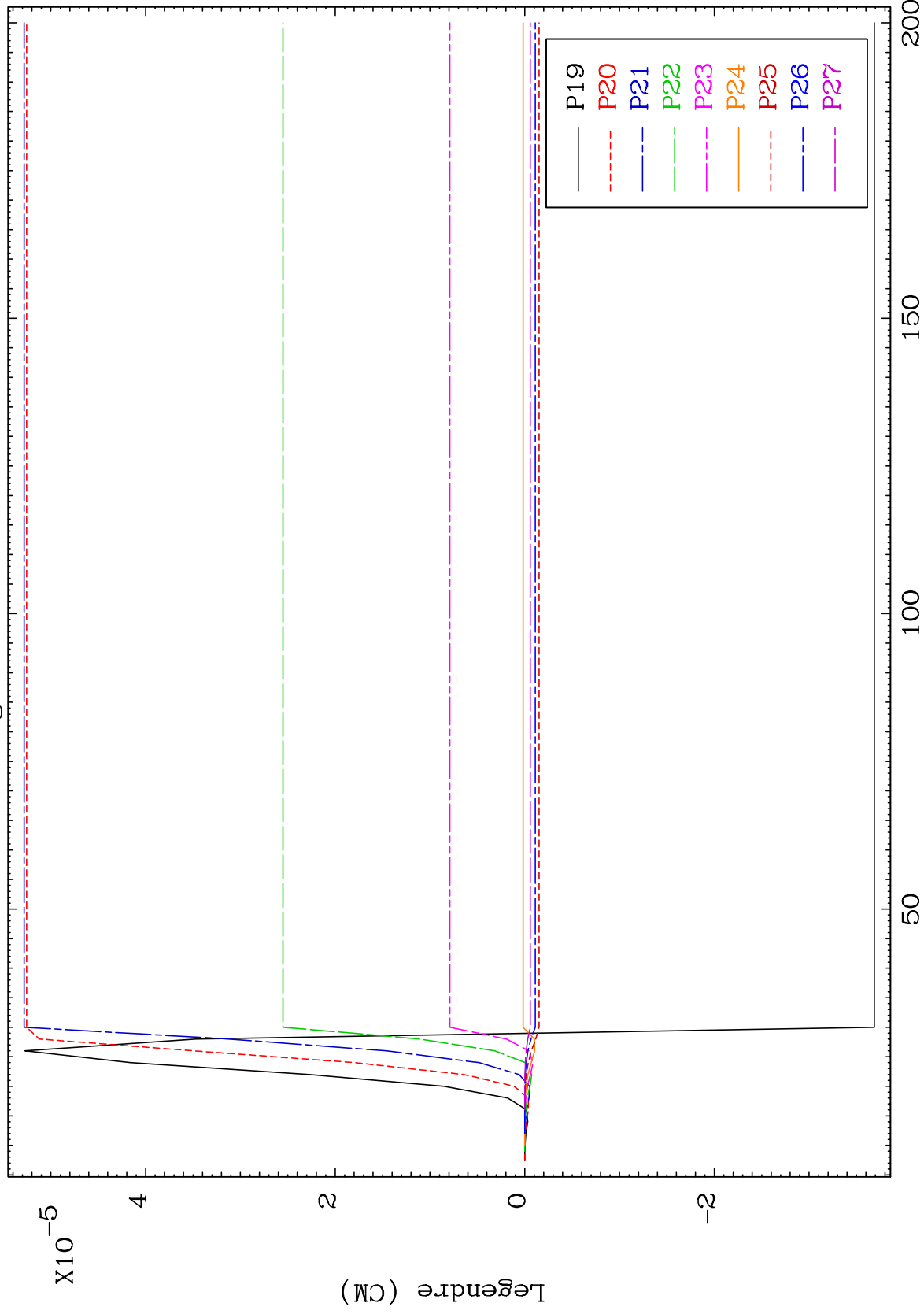
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



75

Incident Energy (MeV)

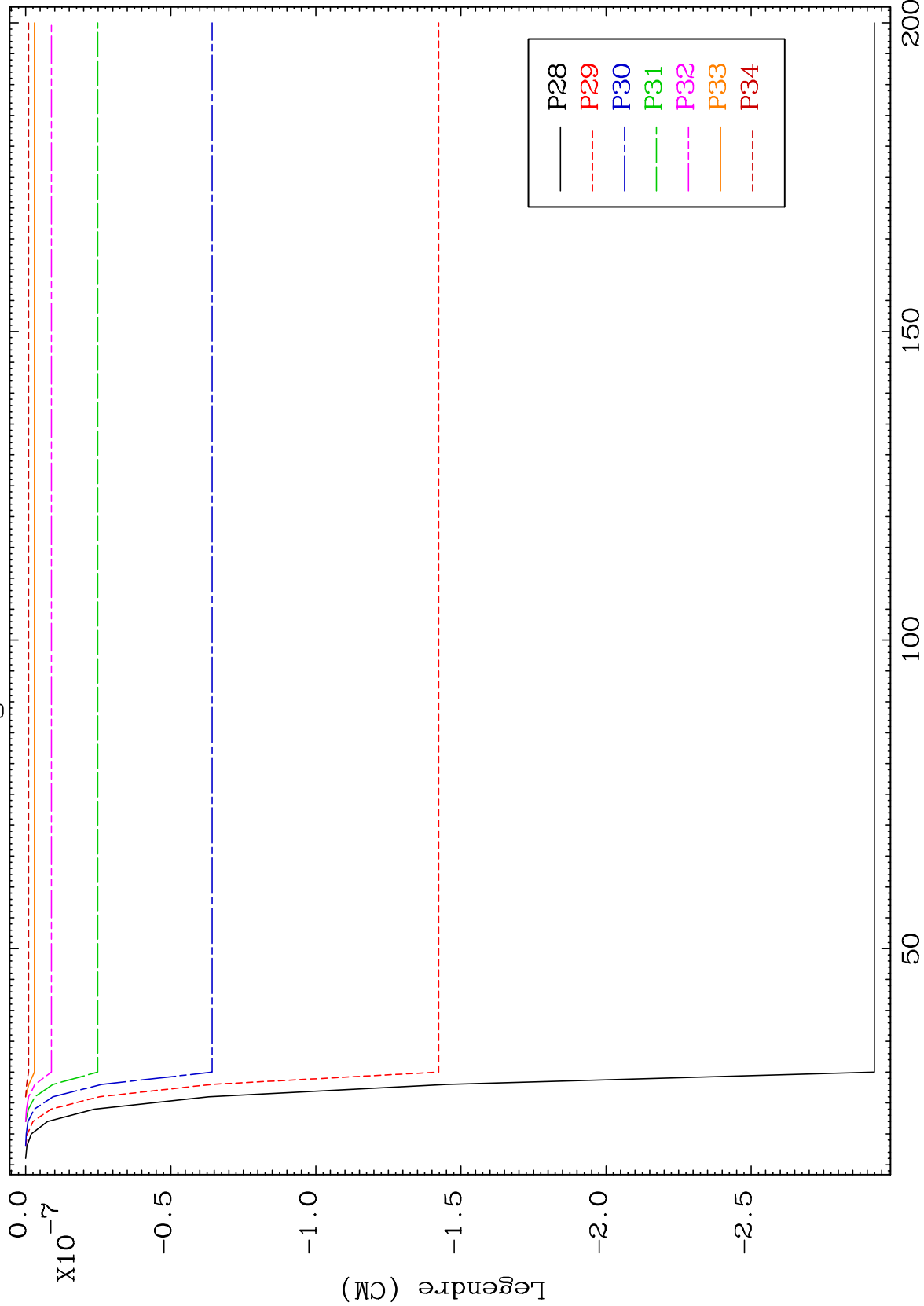
61-Pm-149

MAT 6155

MT= 64 (n,n') Level

61-Pm-149

Legendre Coefficients



76

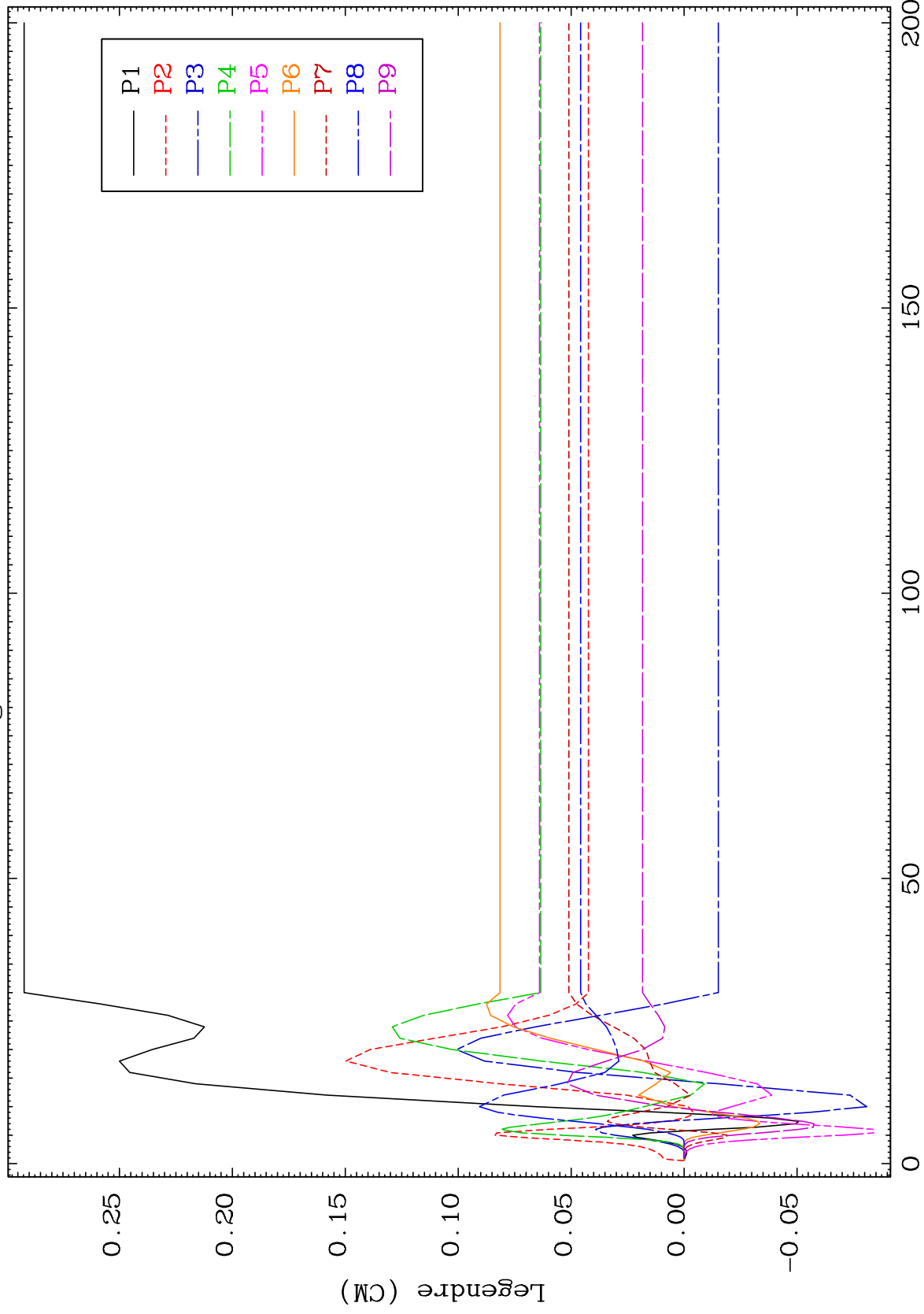
Incident Energy (MeV)

61-Pm-149

MAT 61555

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

61-Pm-149



61-Pm-149

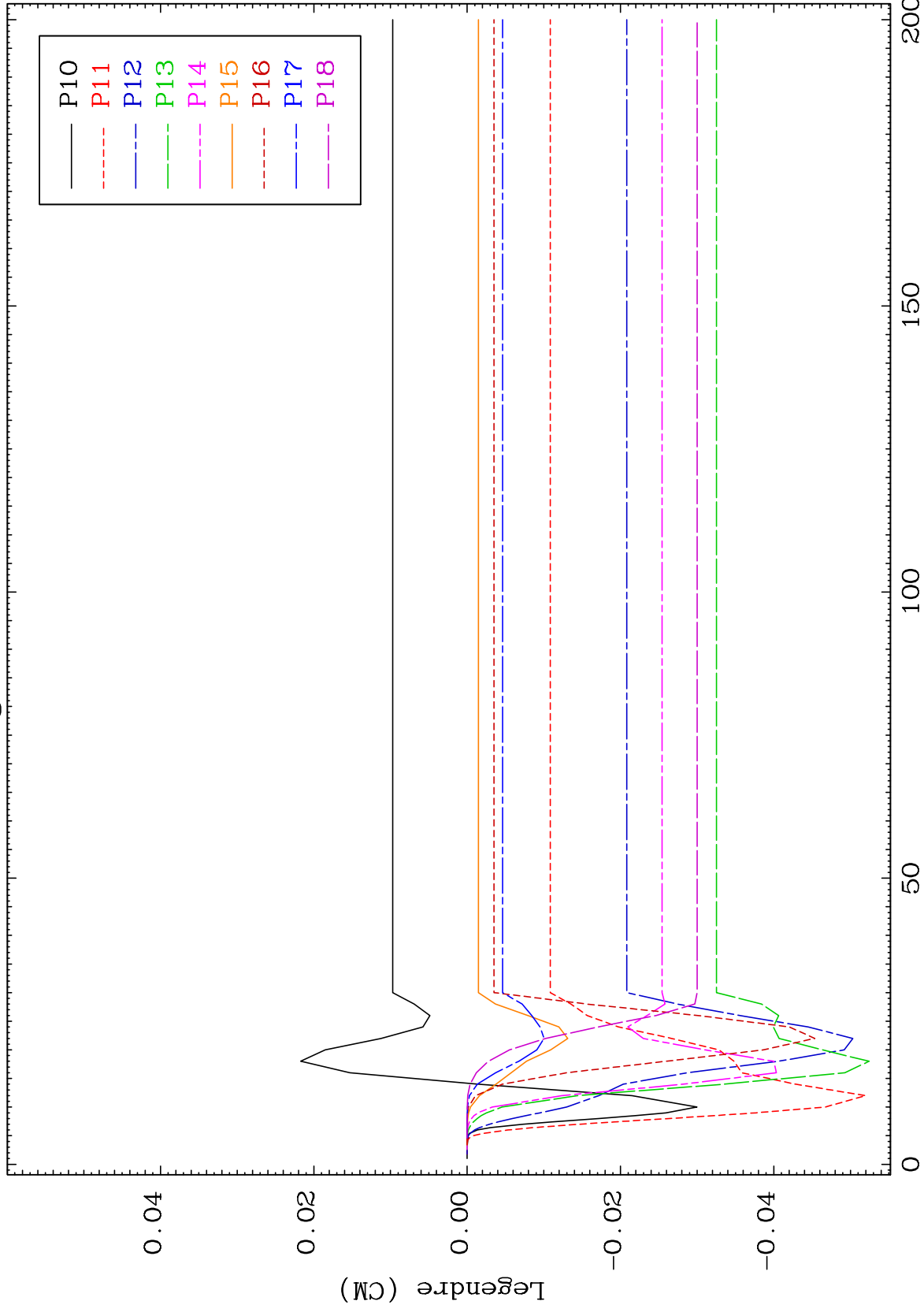
Incident Energy (MeV)

77

MAT 6155

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

61-Pm-149



78

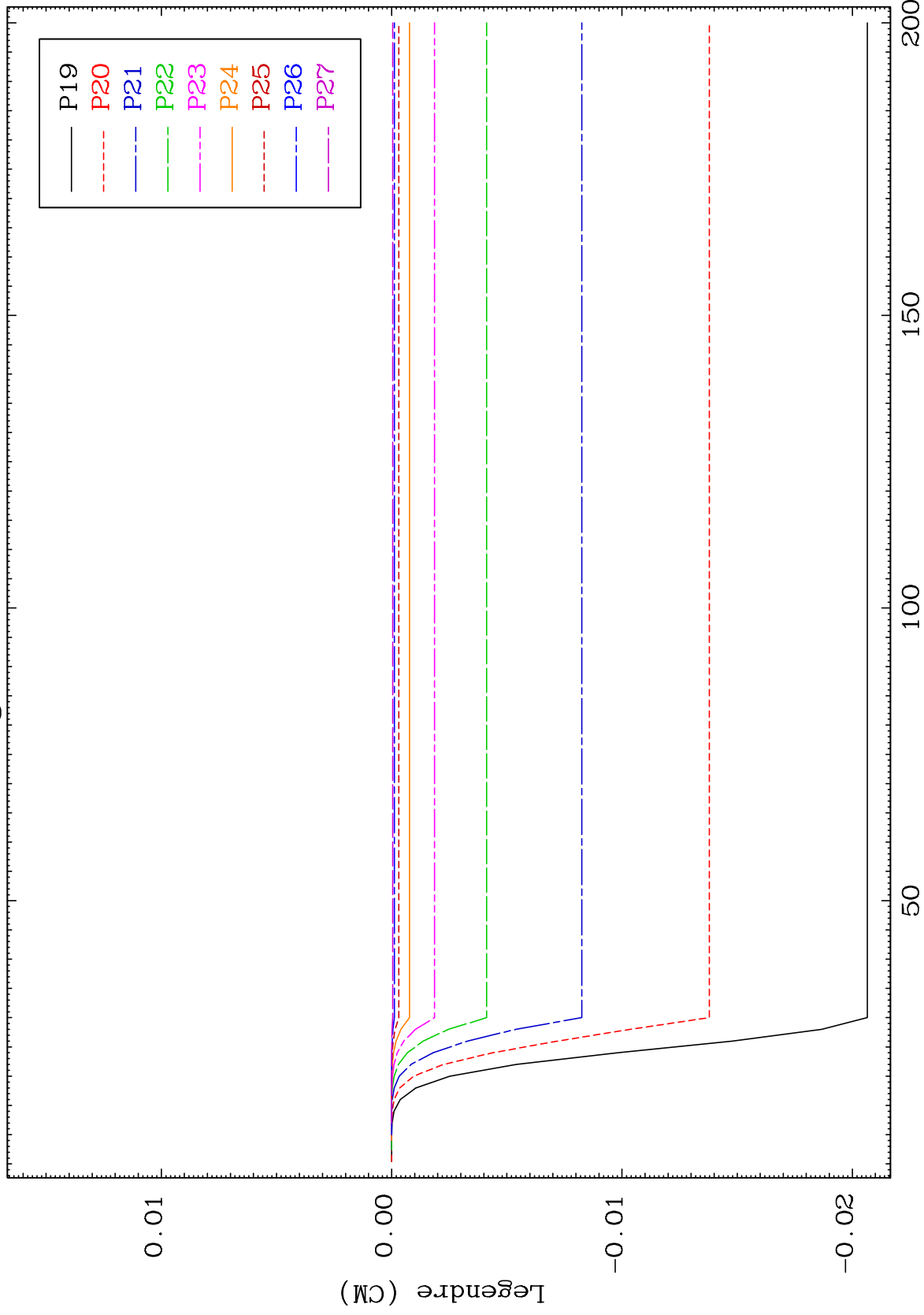
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

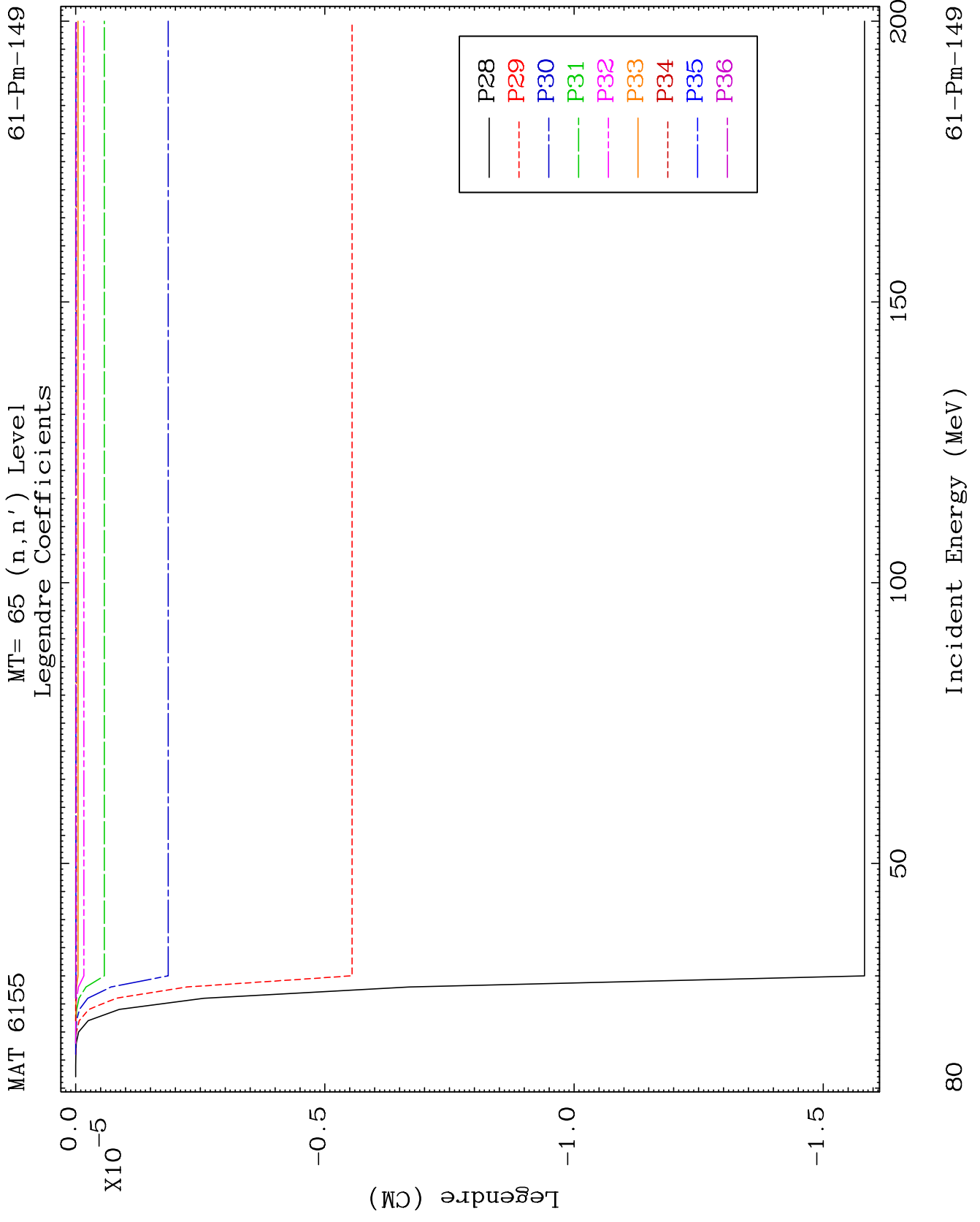
61-Pm-149



79

Incident Energy (MeV)

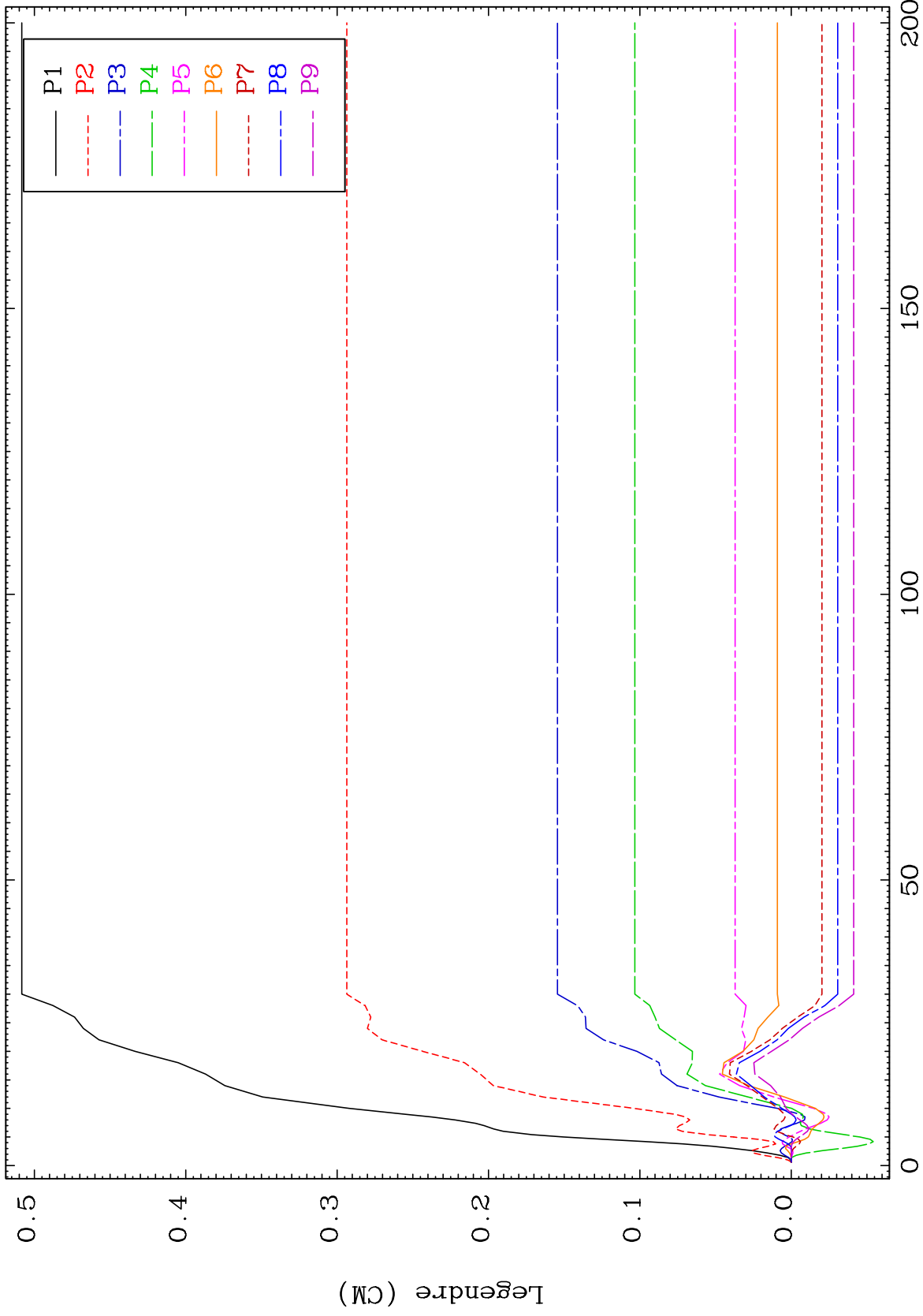
61-Pm-149



MAT 6155

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

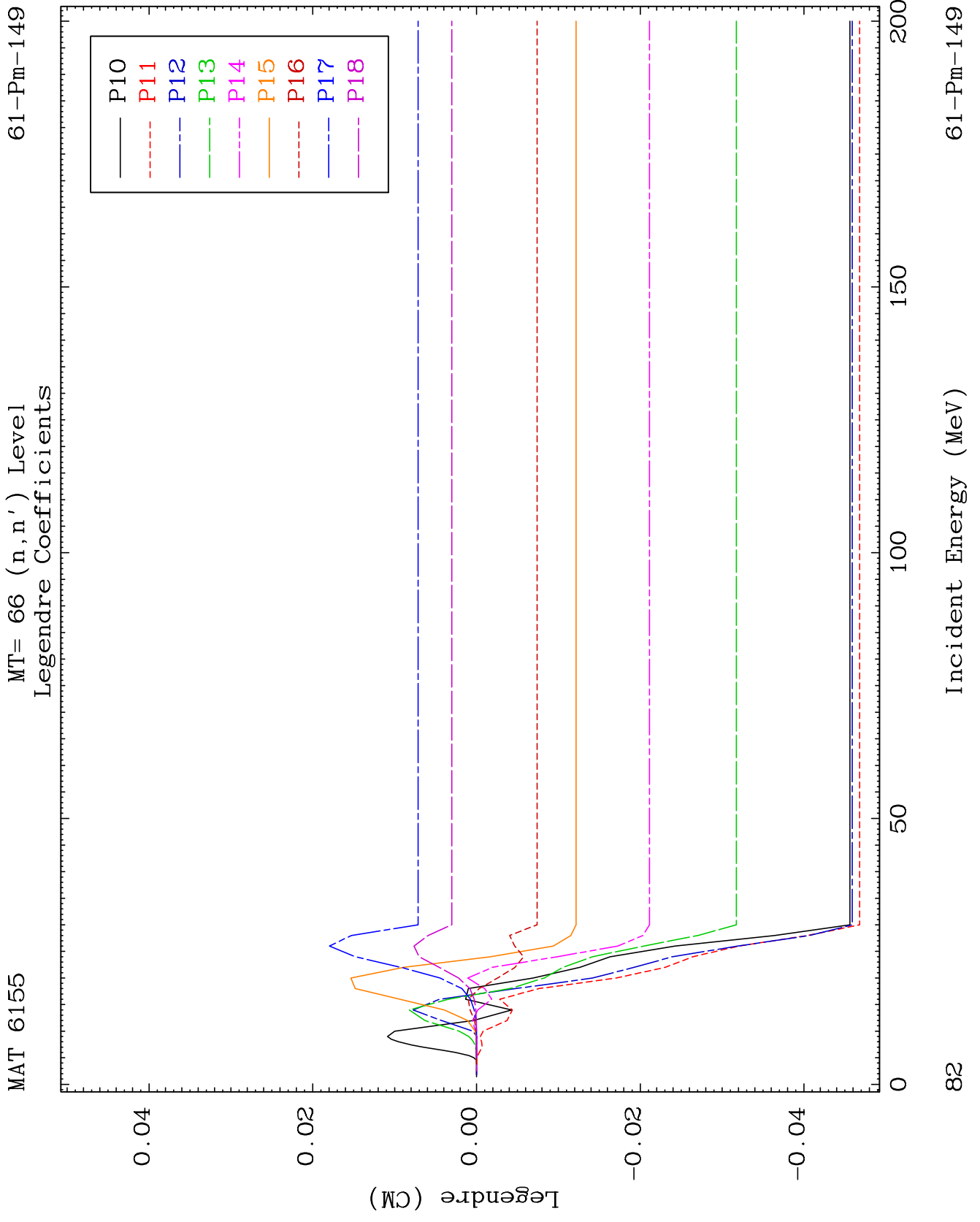
61-Pm-149



81

Incident Energy (MeV)

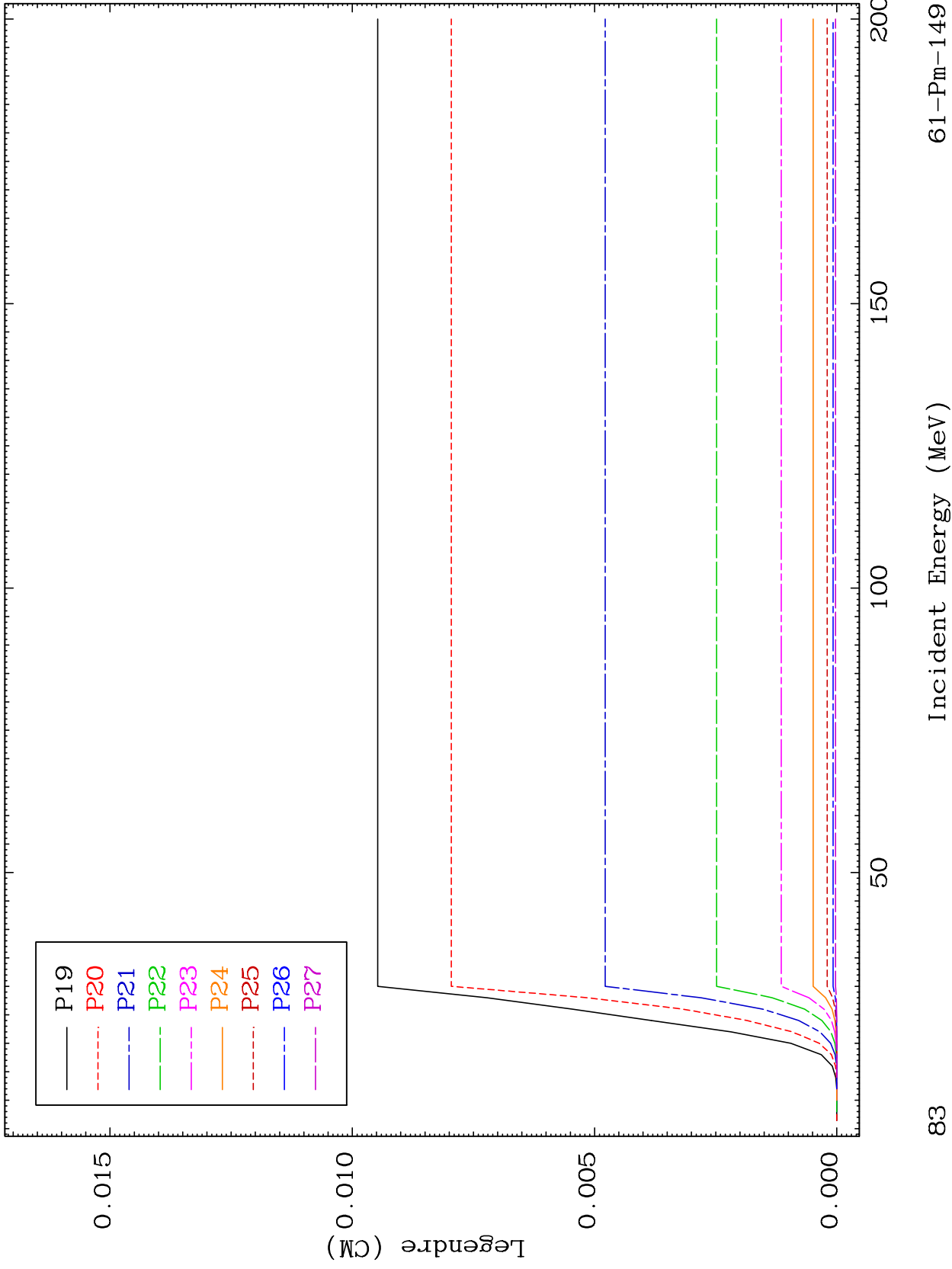
61-Pm-149



MAT 6155

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

61-Pm-149



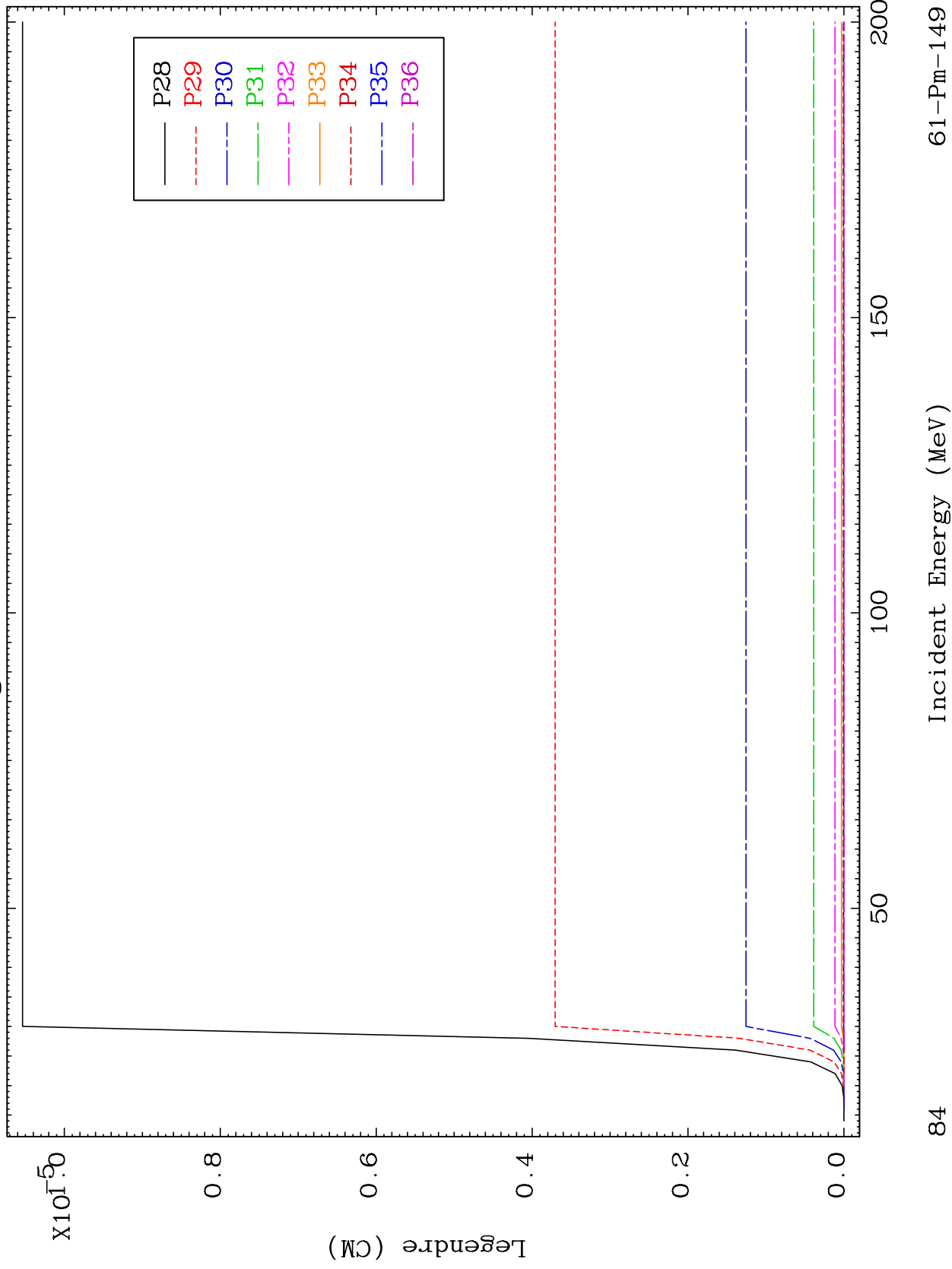
83

61-Pm-149

MAT 6155

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

61-Pm-149



84

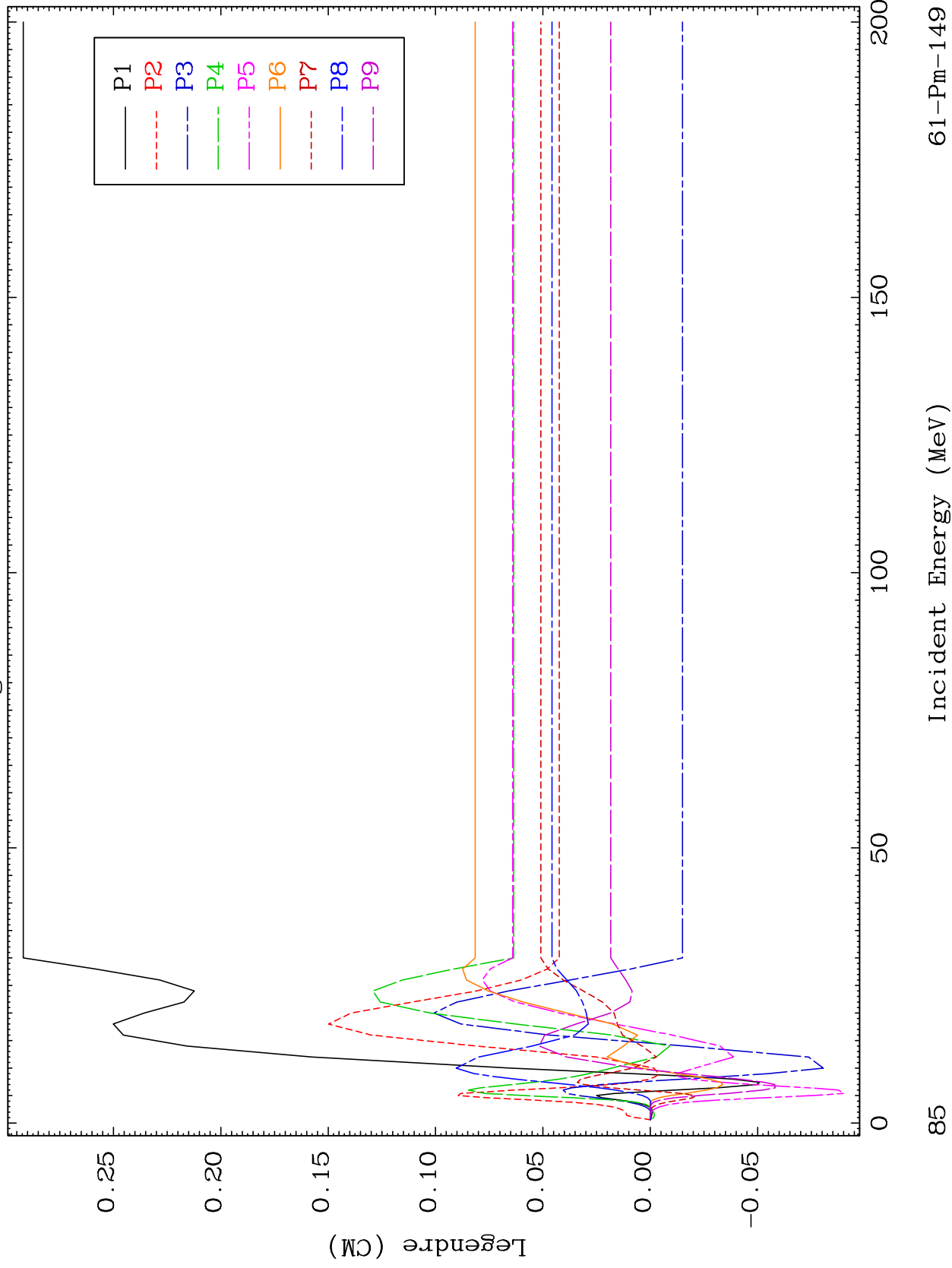
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



61-Pm-149

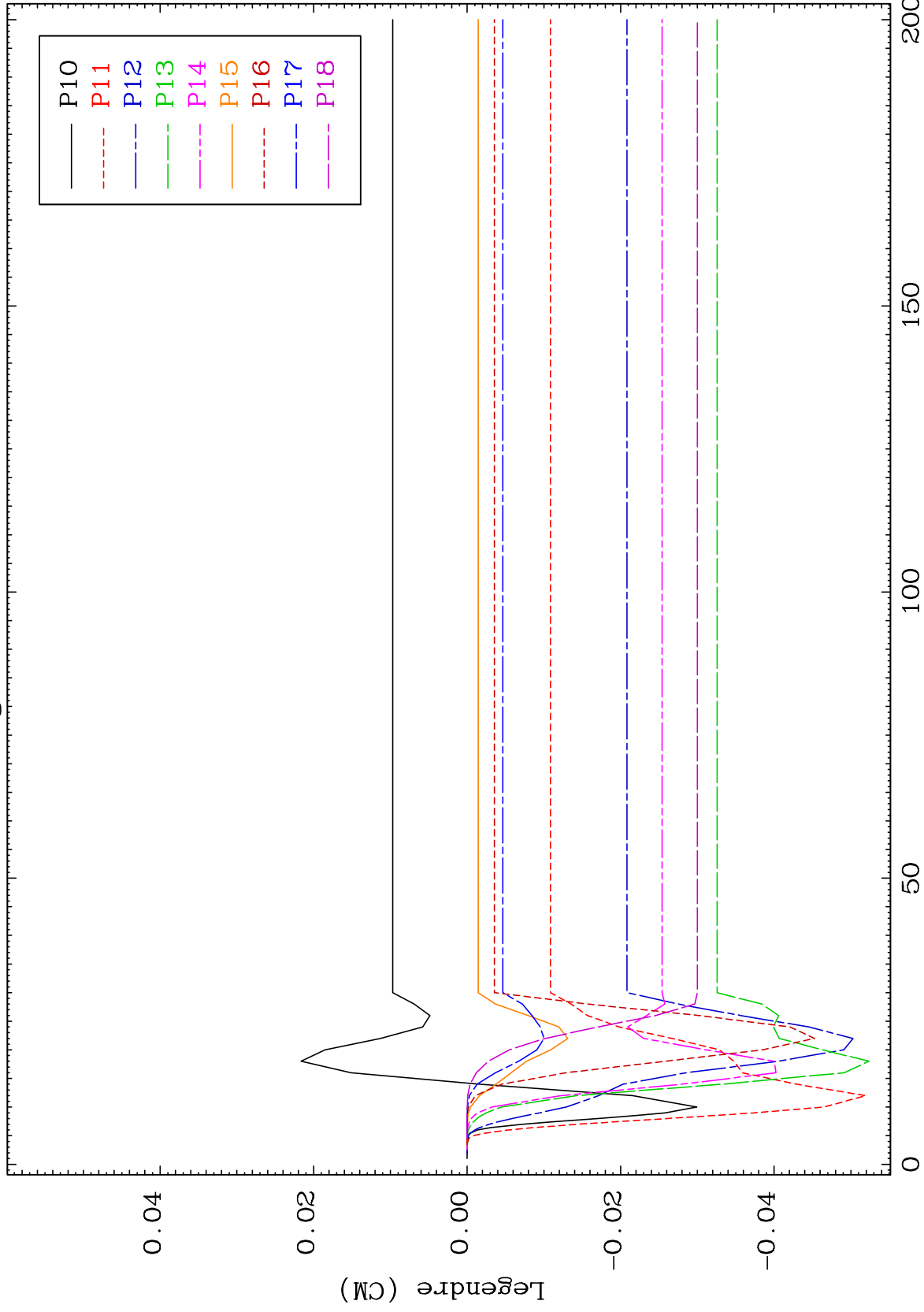
Incident Energy (MeV)

85

MAT 6155

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

61-Pm-149



86

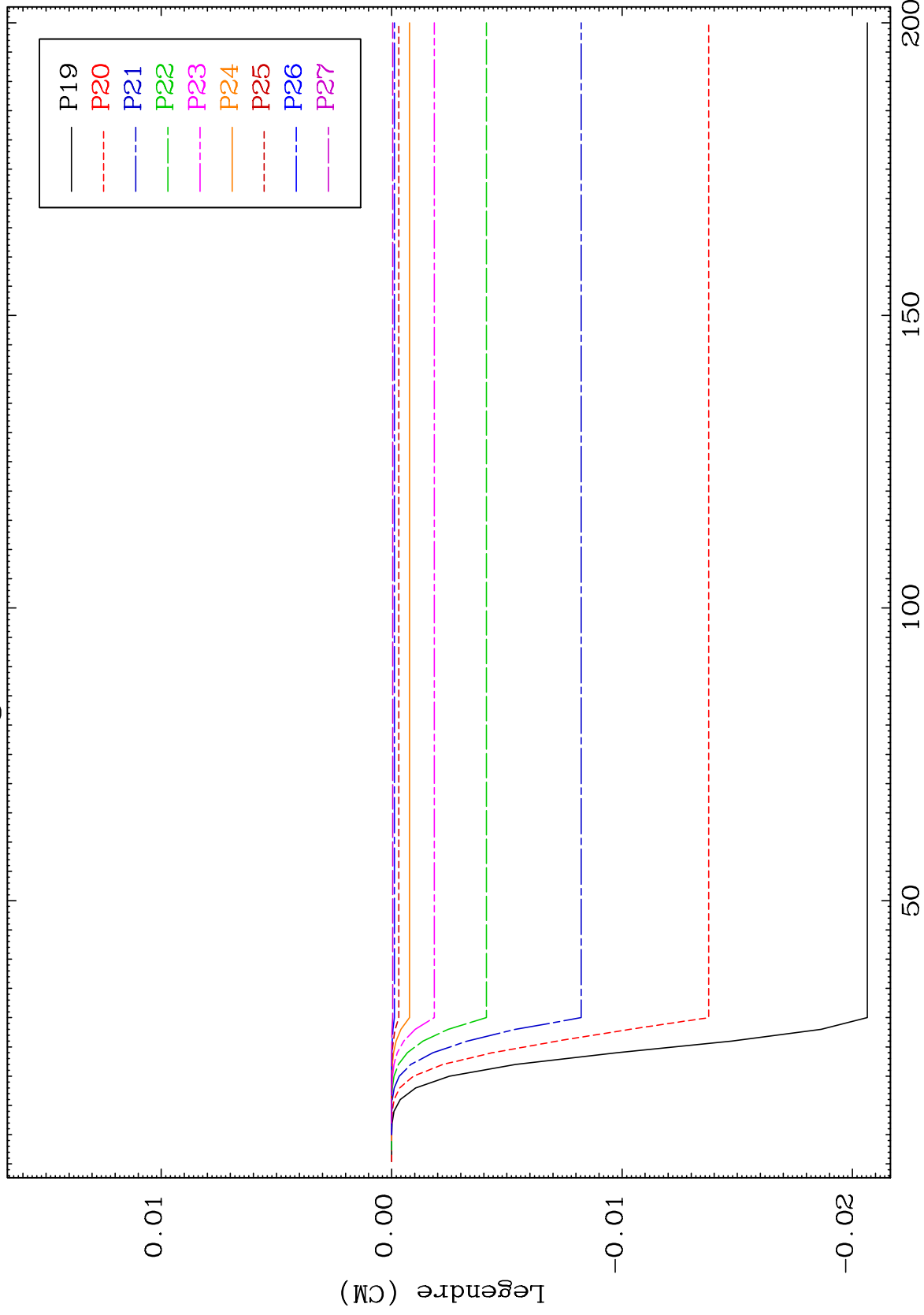
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

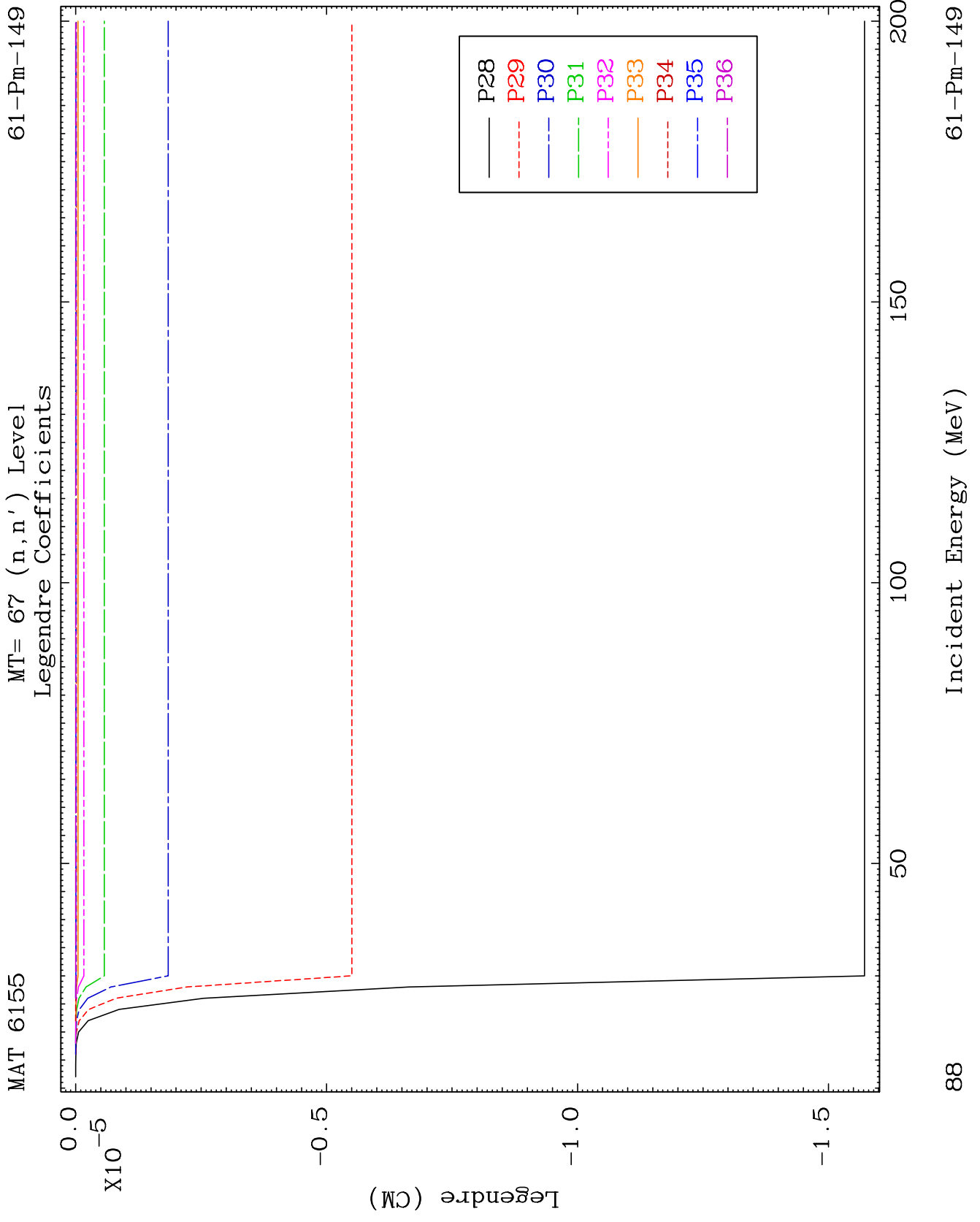
61-Pm-149



87

Incident Energy (MeV)

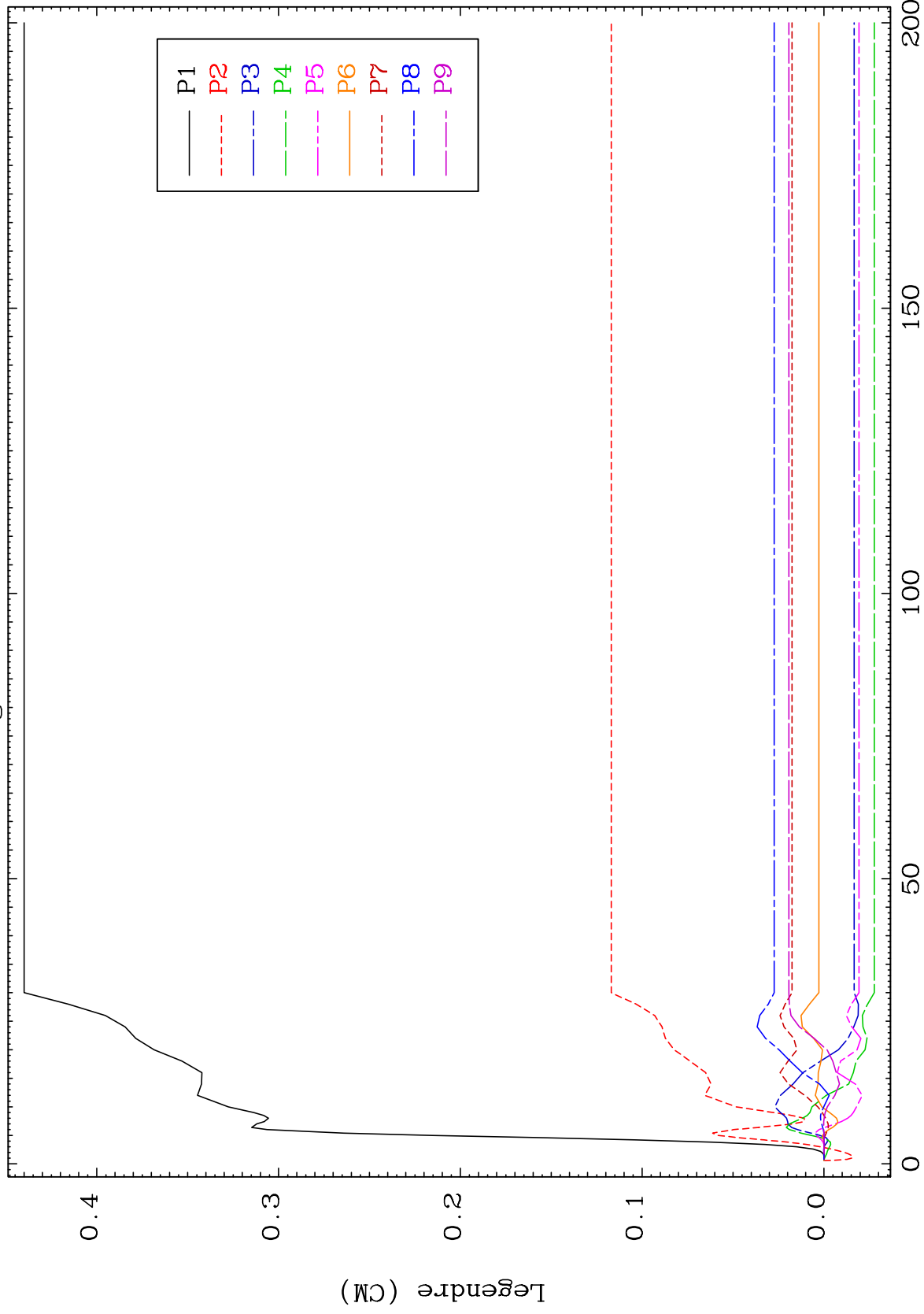
61-Pm-149



MAT 6155

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

61-Pm-149



89

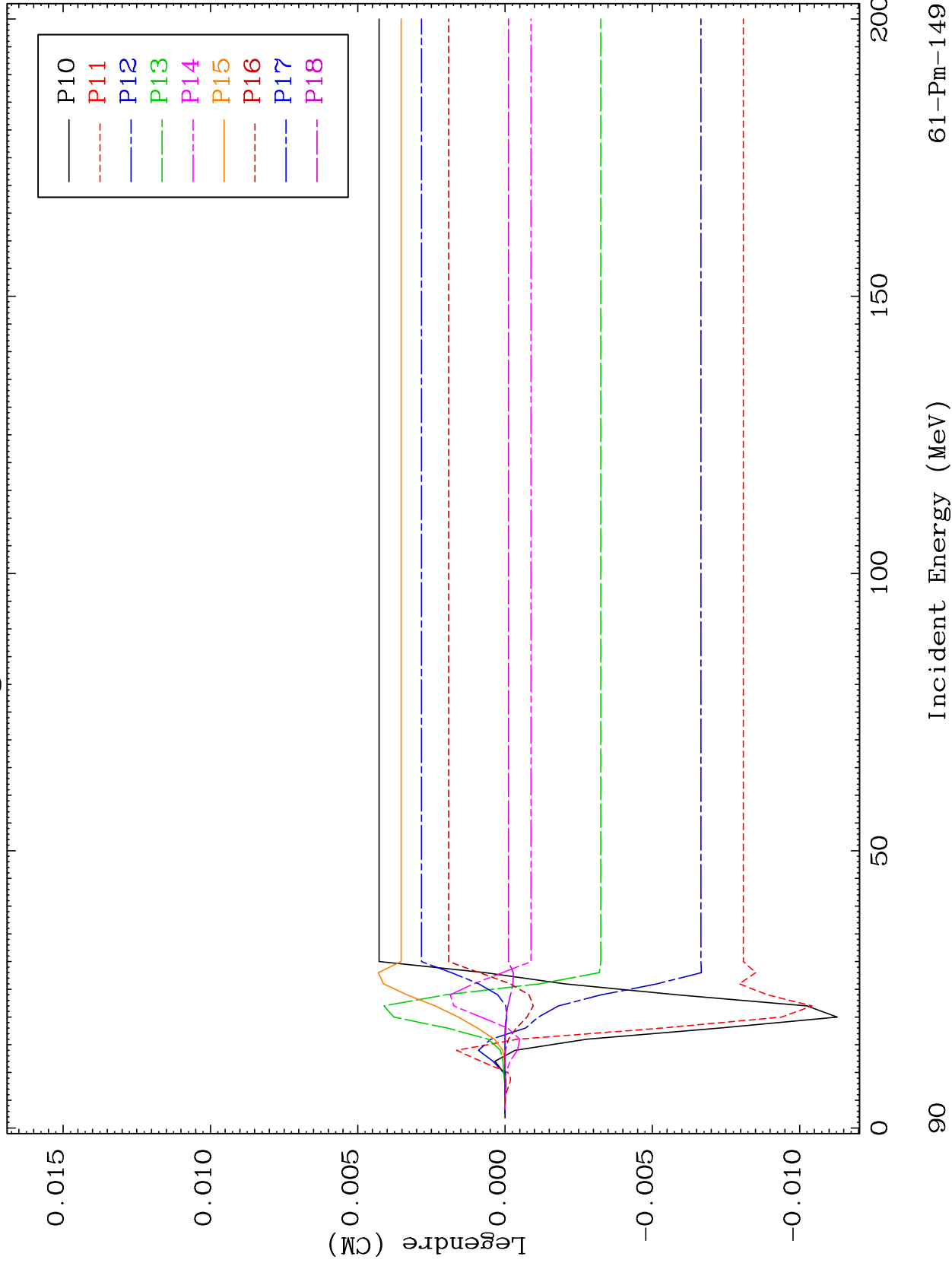
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



61-Pm-149

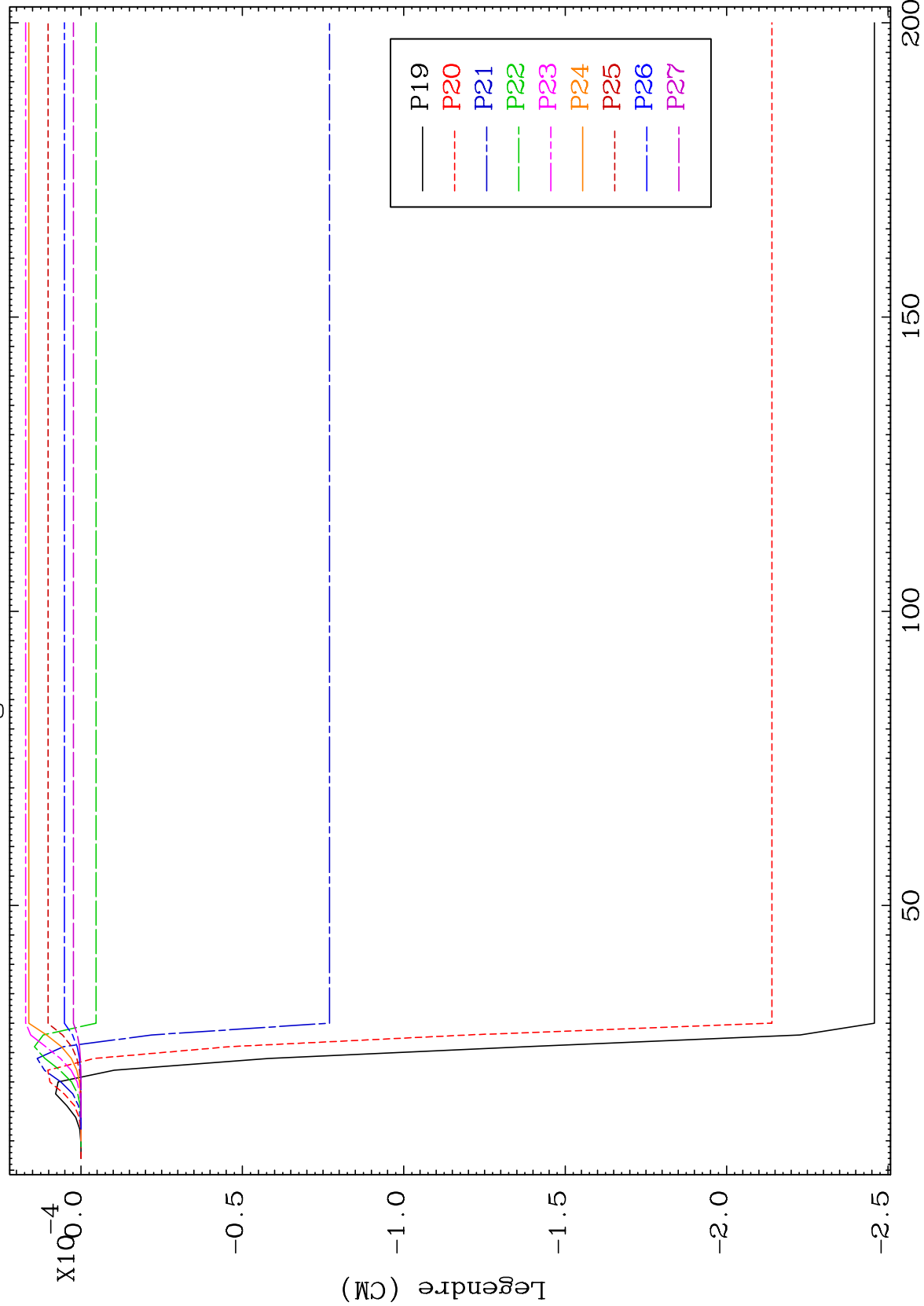
Incident Energy (MeV)

90

MAT 6155

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

61-Pm-149



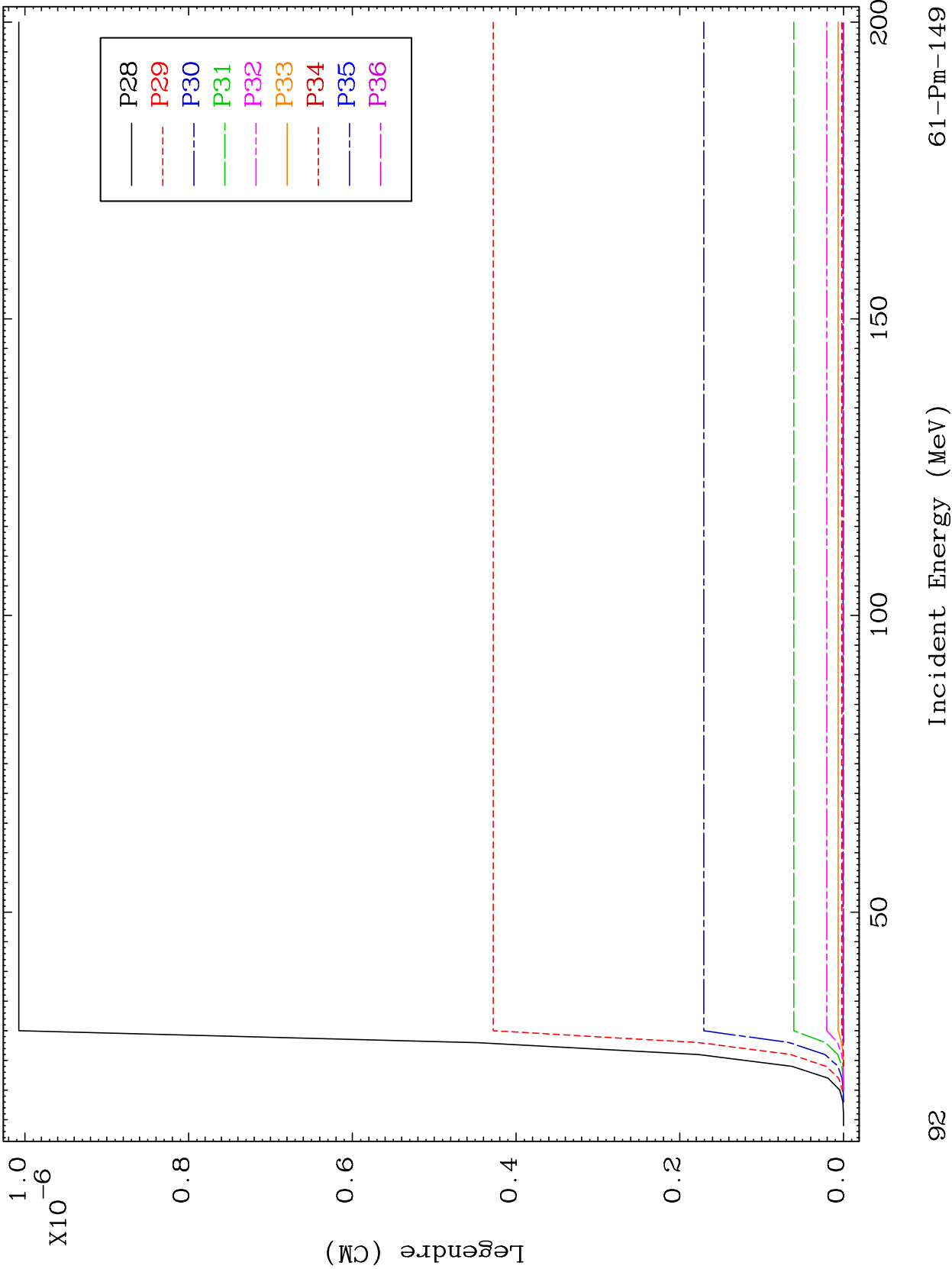
61-Pm-149

Incident Energy (MeV)

MAT 6155

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

61-Pm-149



92

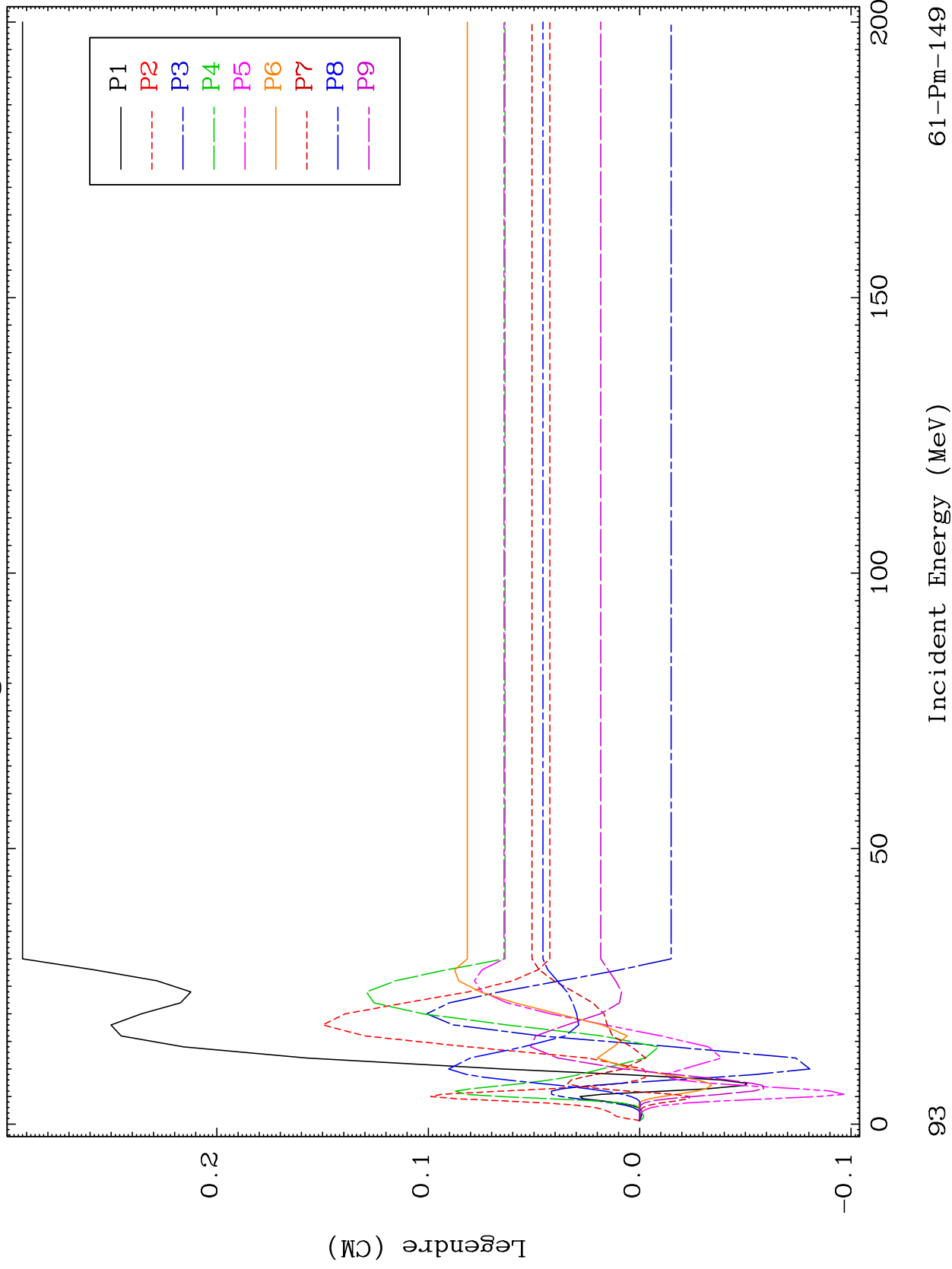
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



61-Pm-149

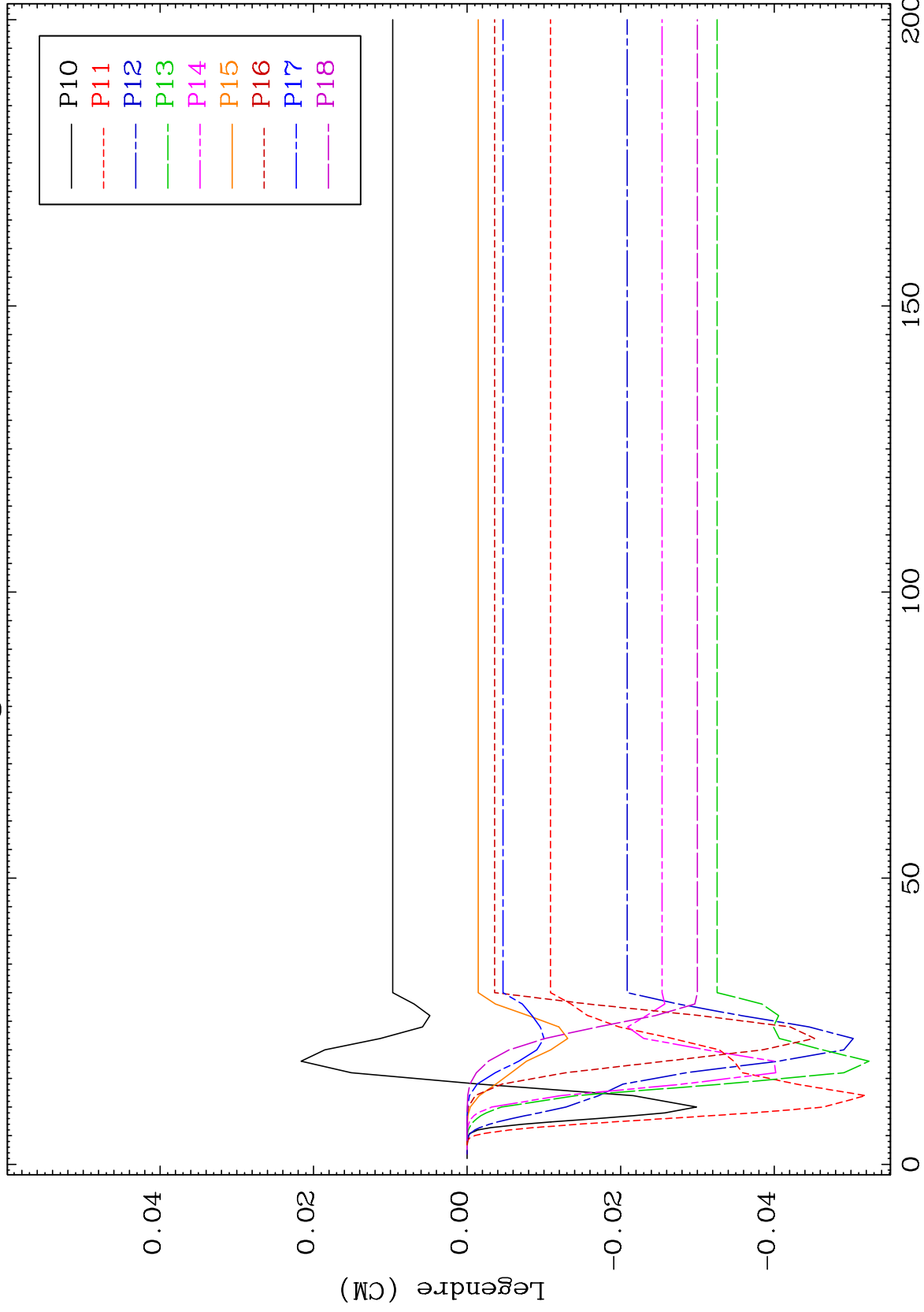
Incident Energy (MeV)

93

MAT 6155

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

61-Pm-149



94

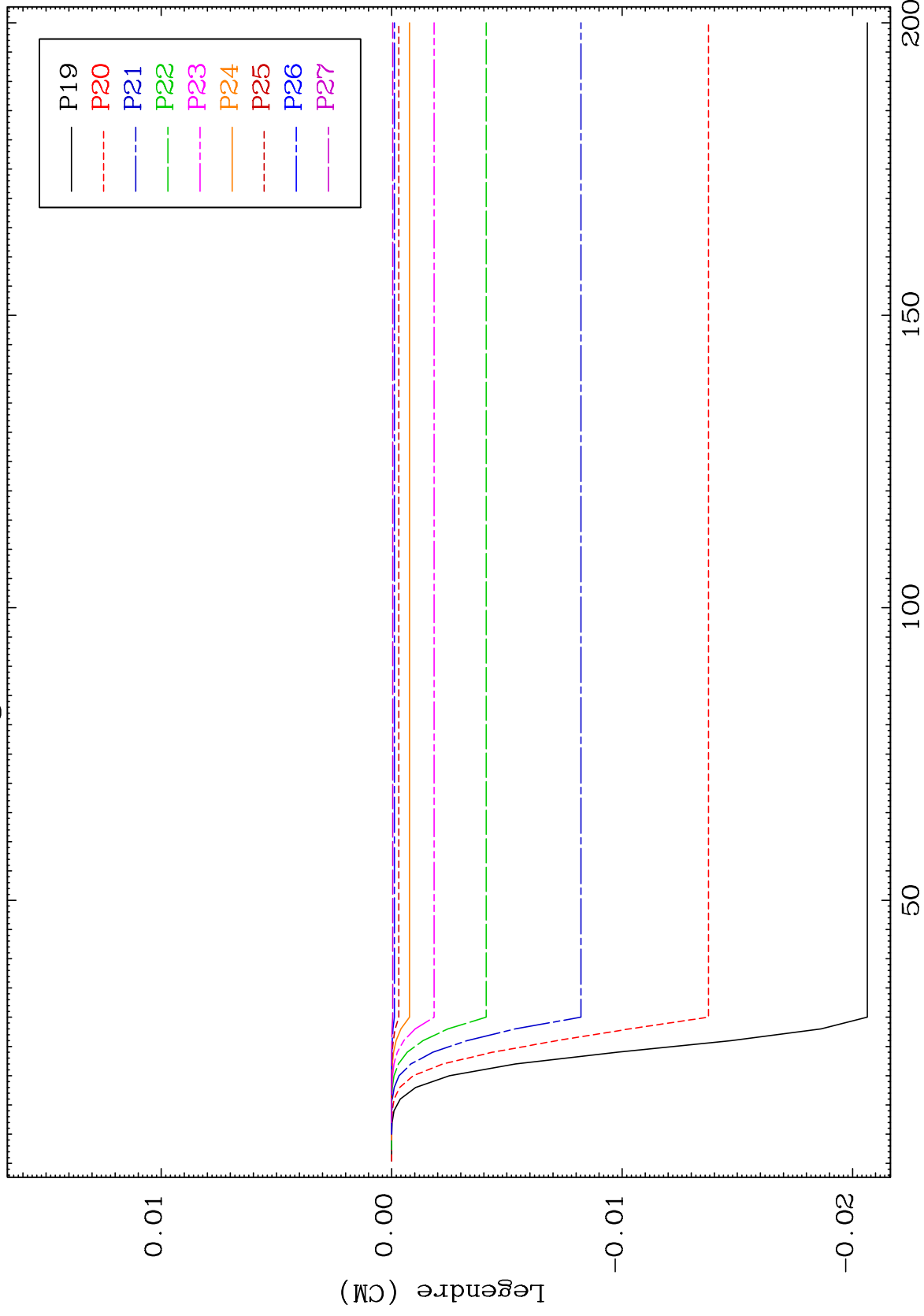
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

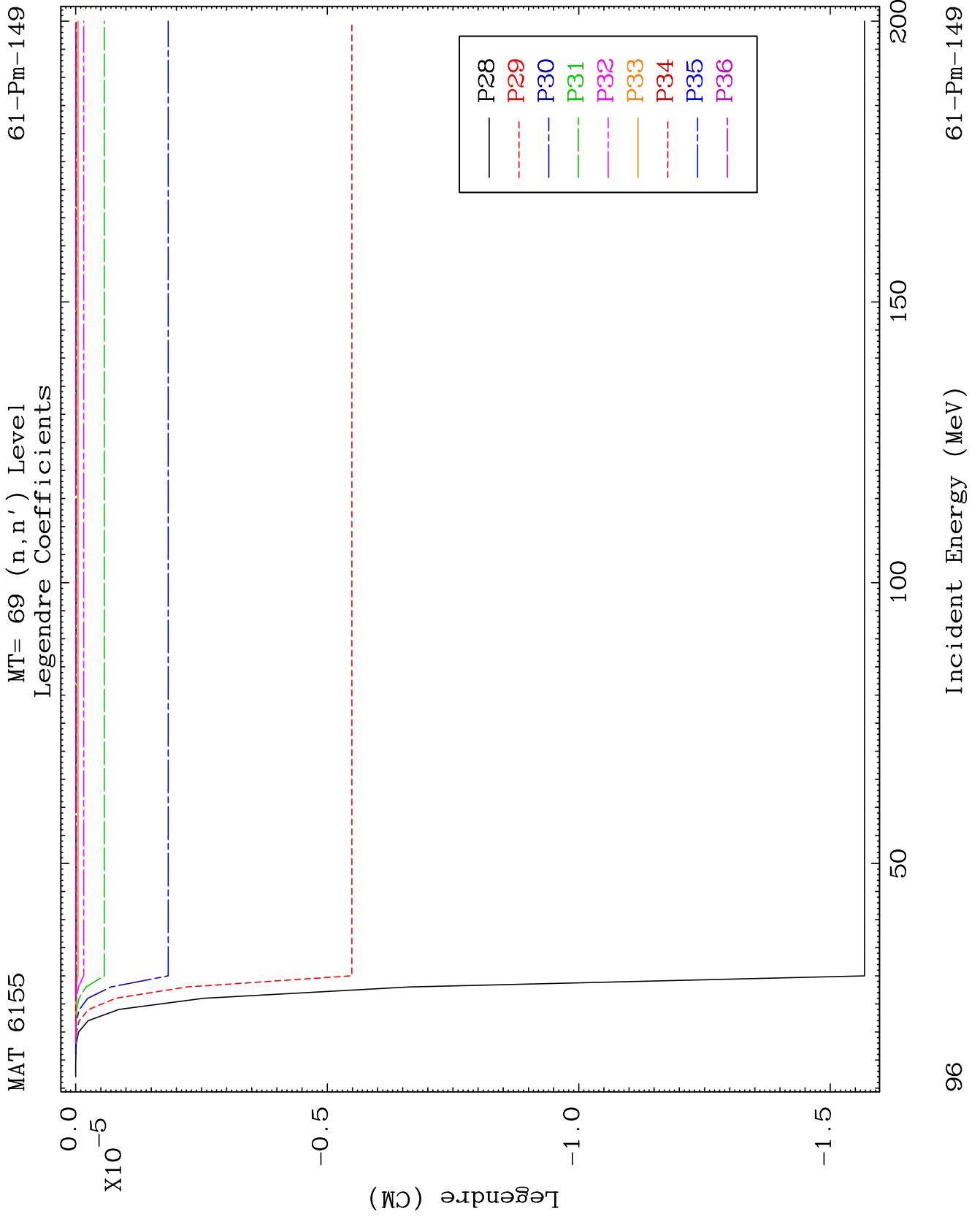
61-Pm-149



95

Incident Energy (MeV)

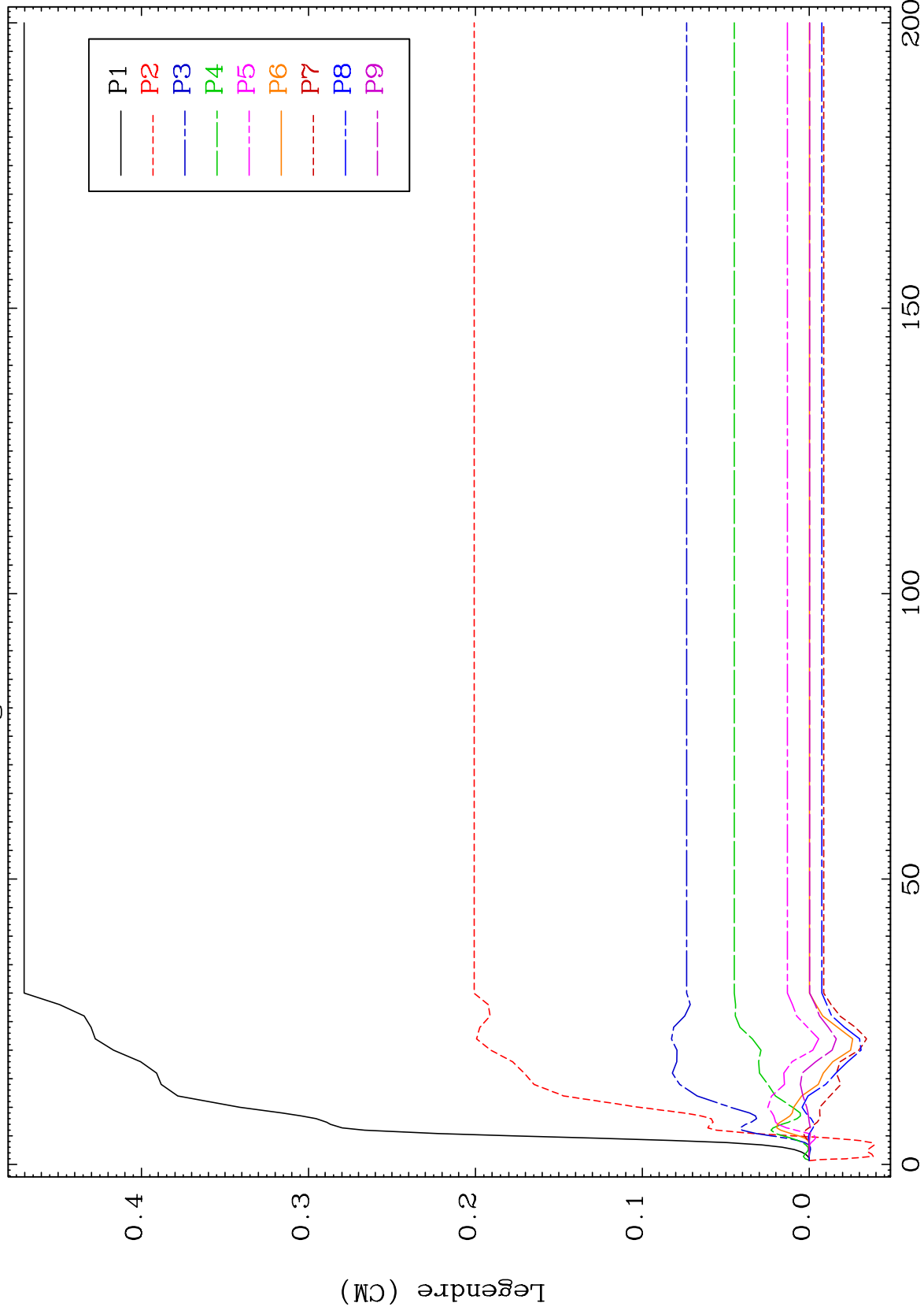
61-Pm-149



MAT 6155

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

61-Pm-149



97

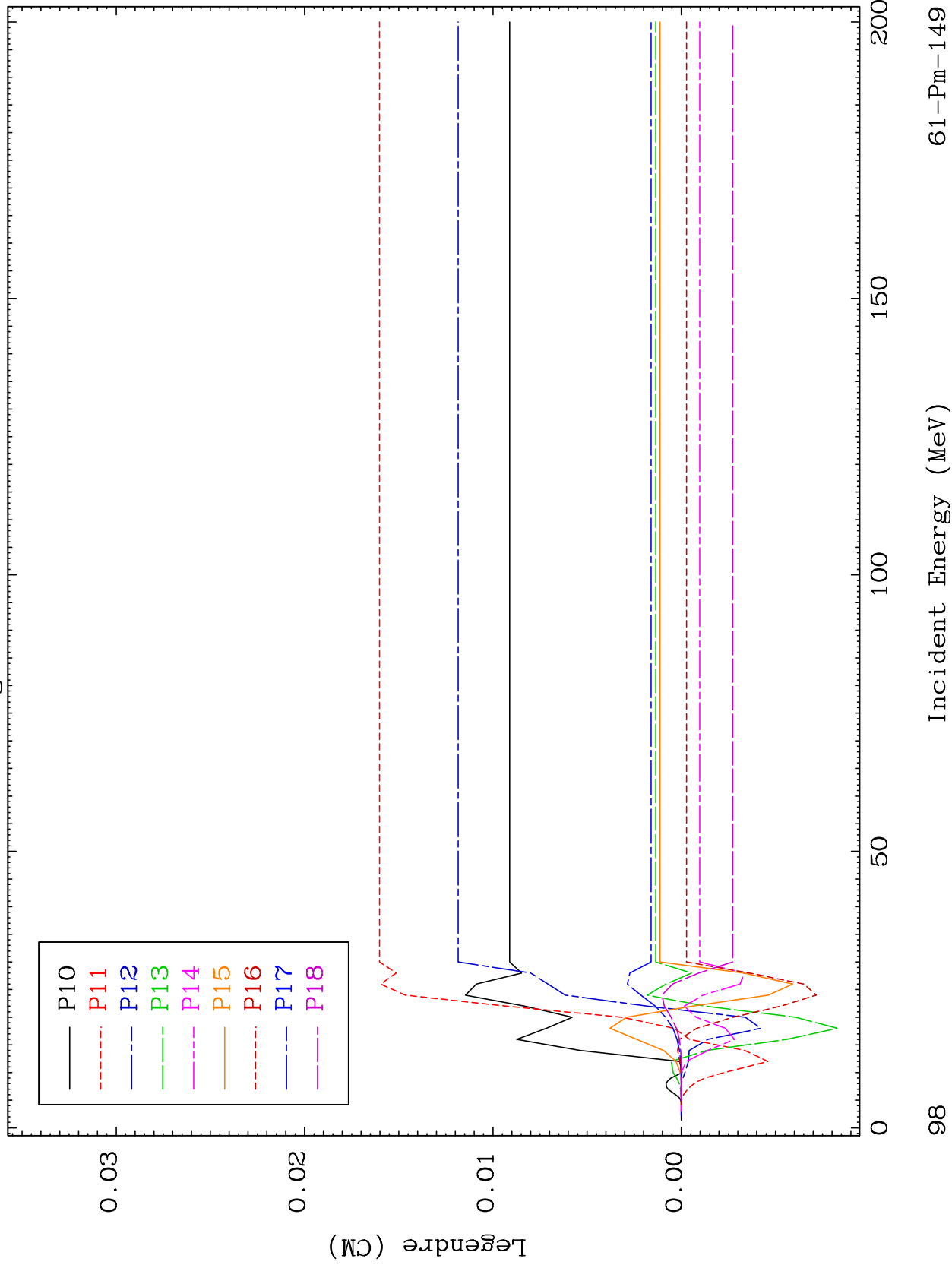
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



98

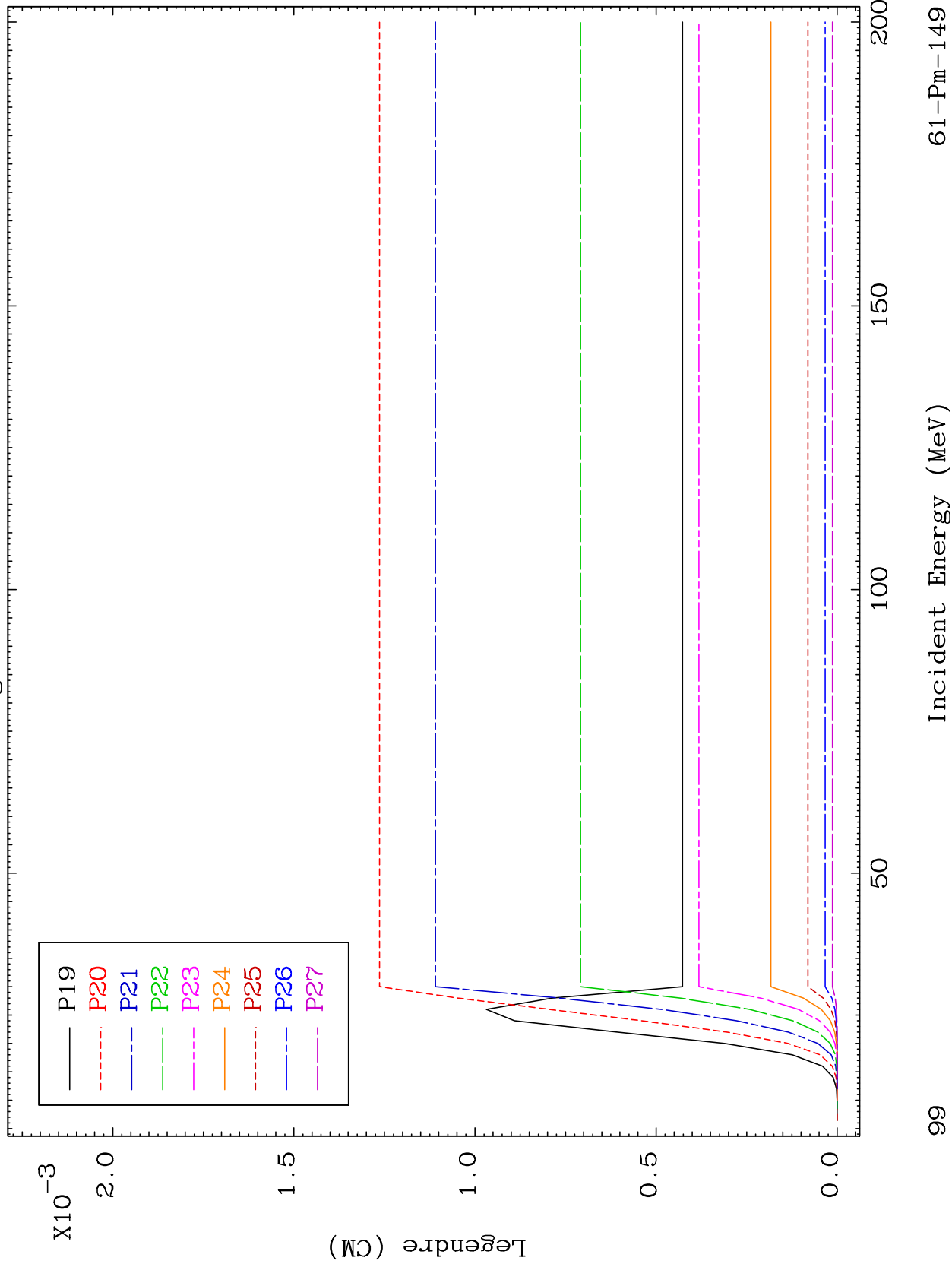
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

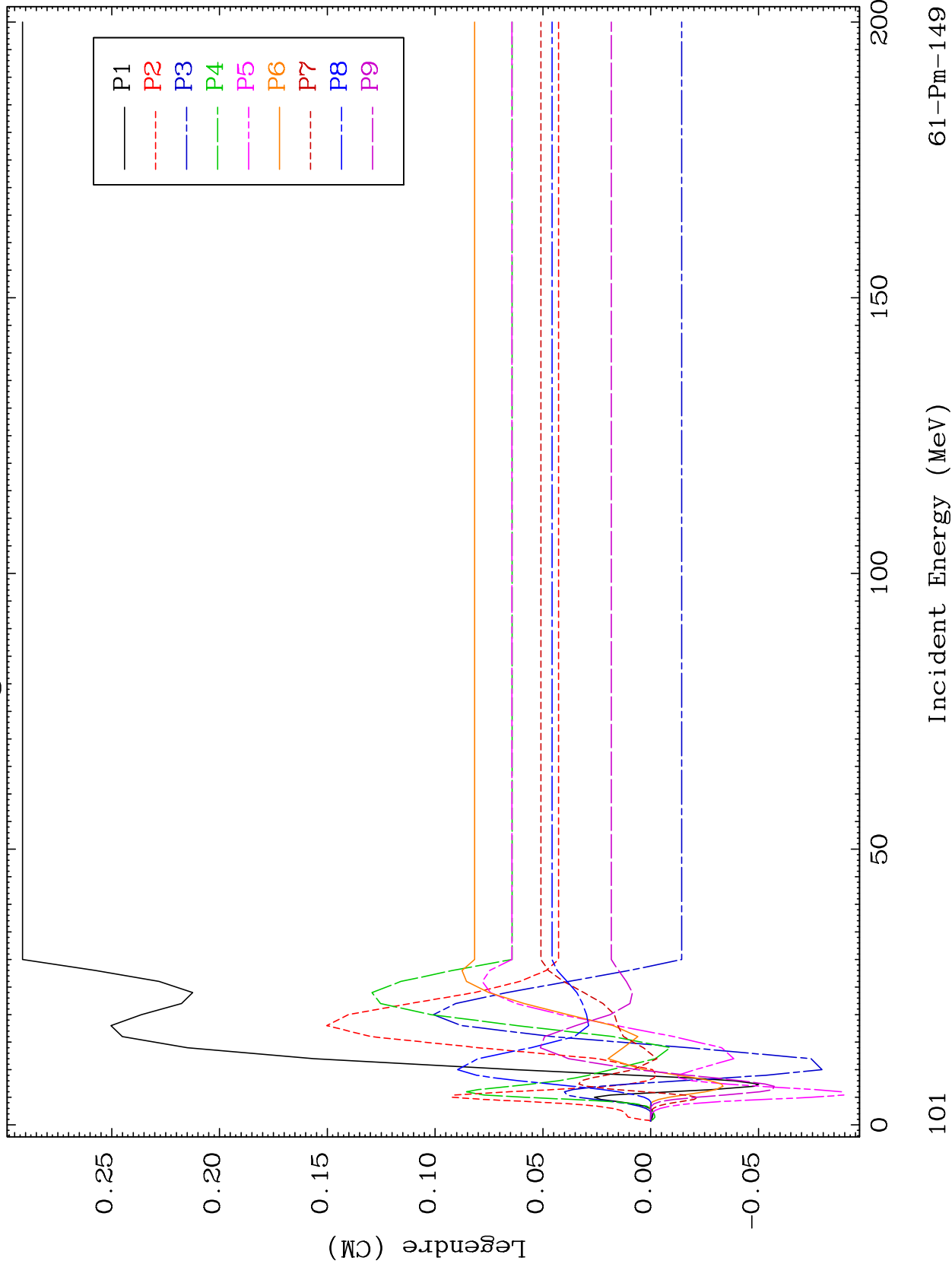
61-Pm-149



MAT 6155

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

61-Pm-149



61-Pm-149

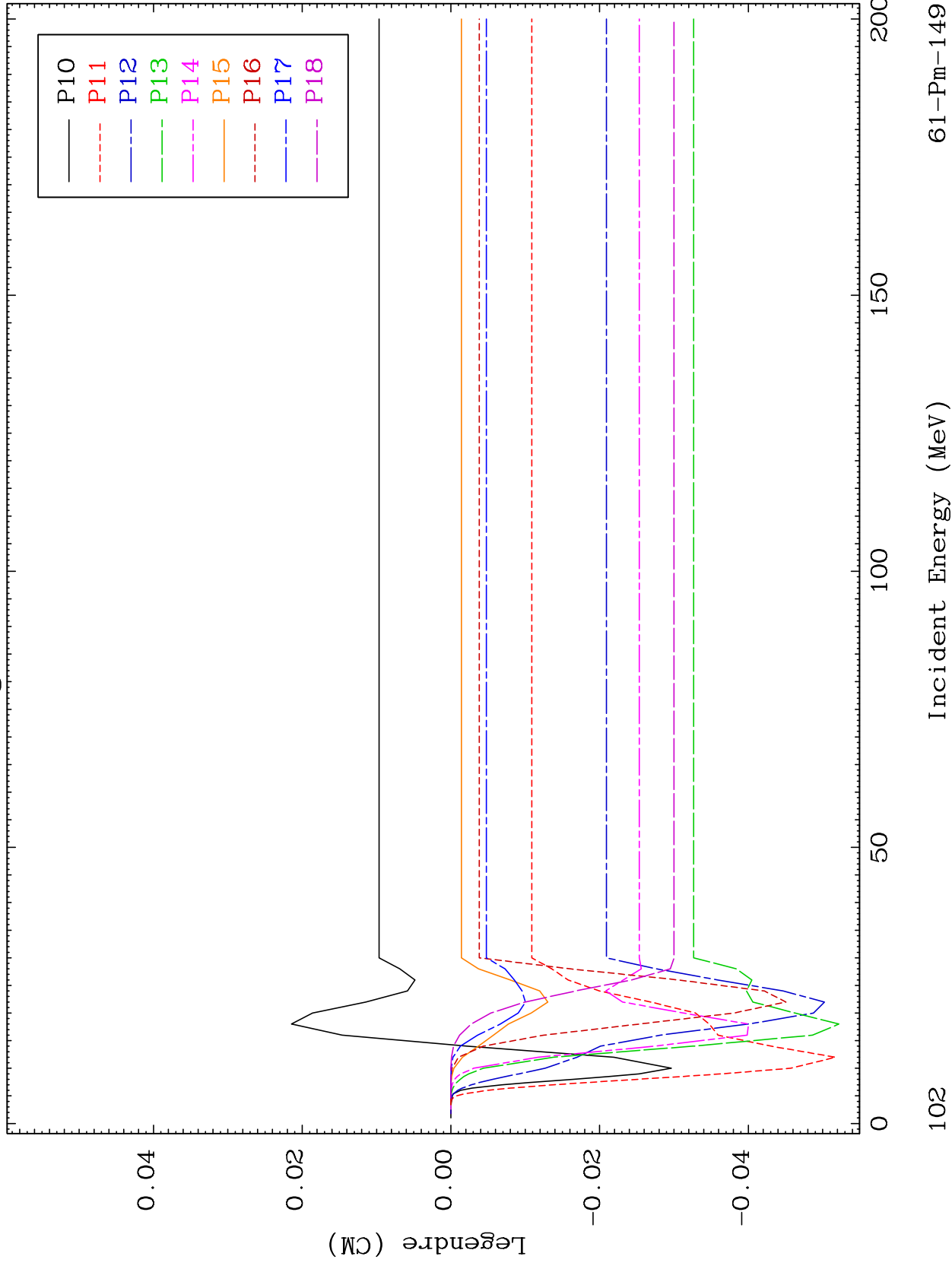
Incident Energy (MeV)

101

MAT 6155

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

61-Pm-149



61-Pm-149

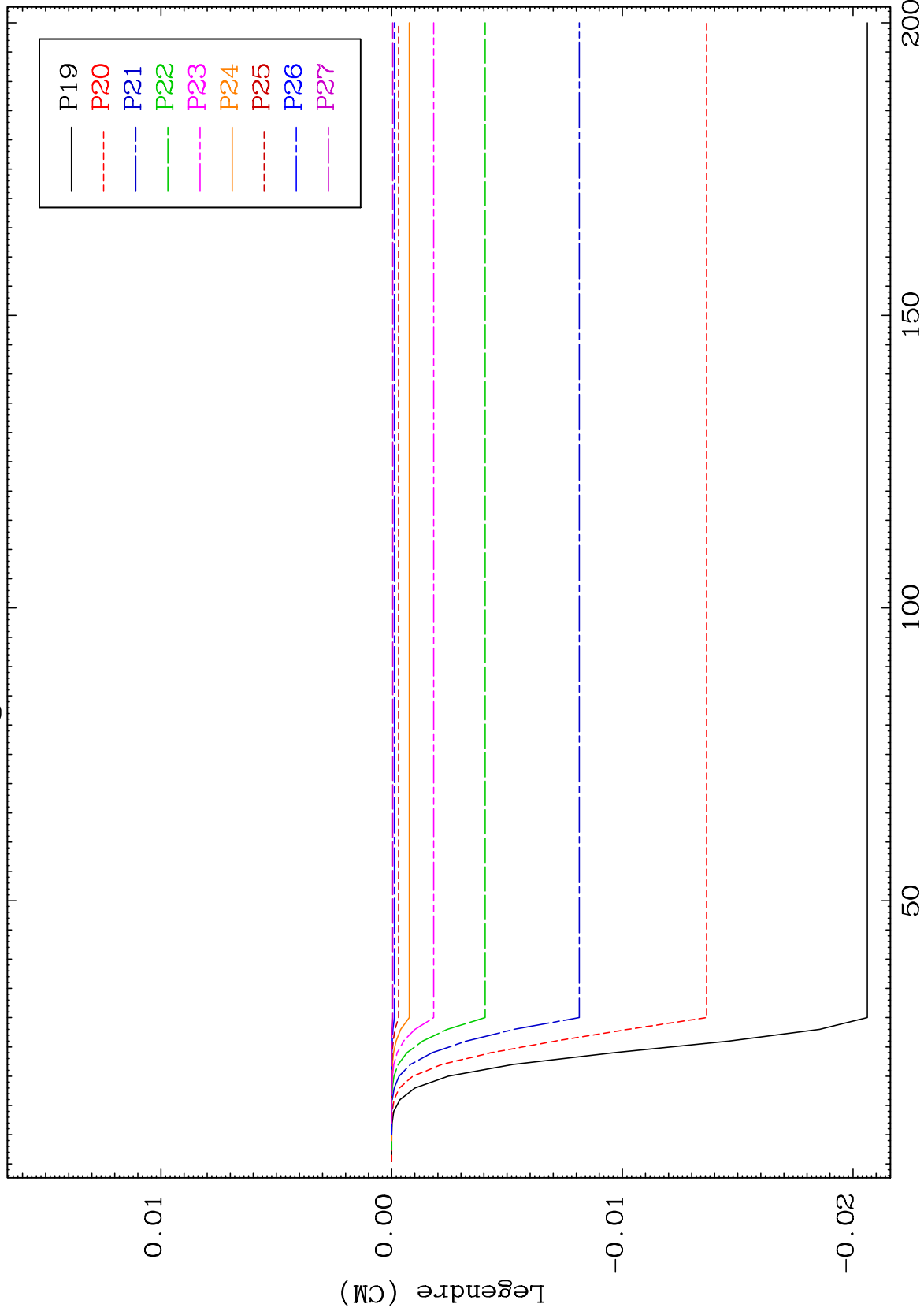
Incident Energy (MeV)

102

MAT 6155

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

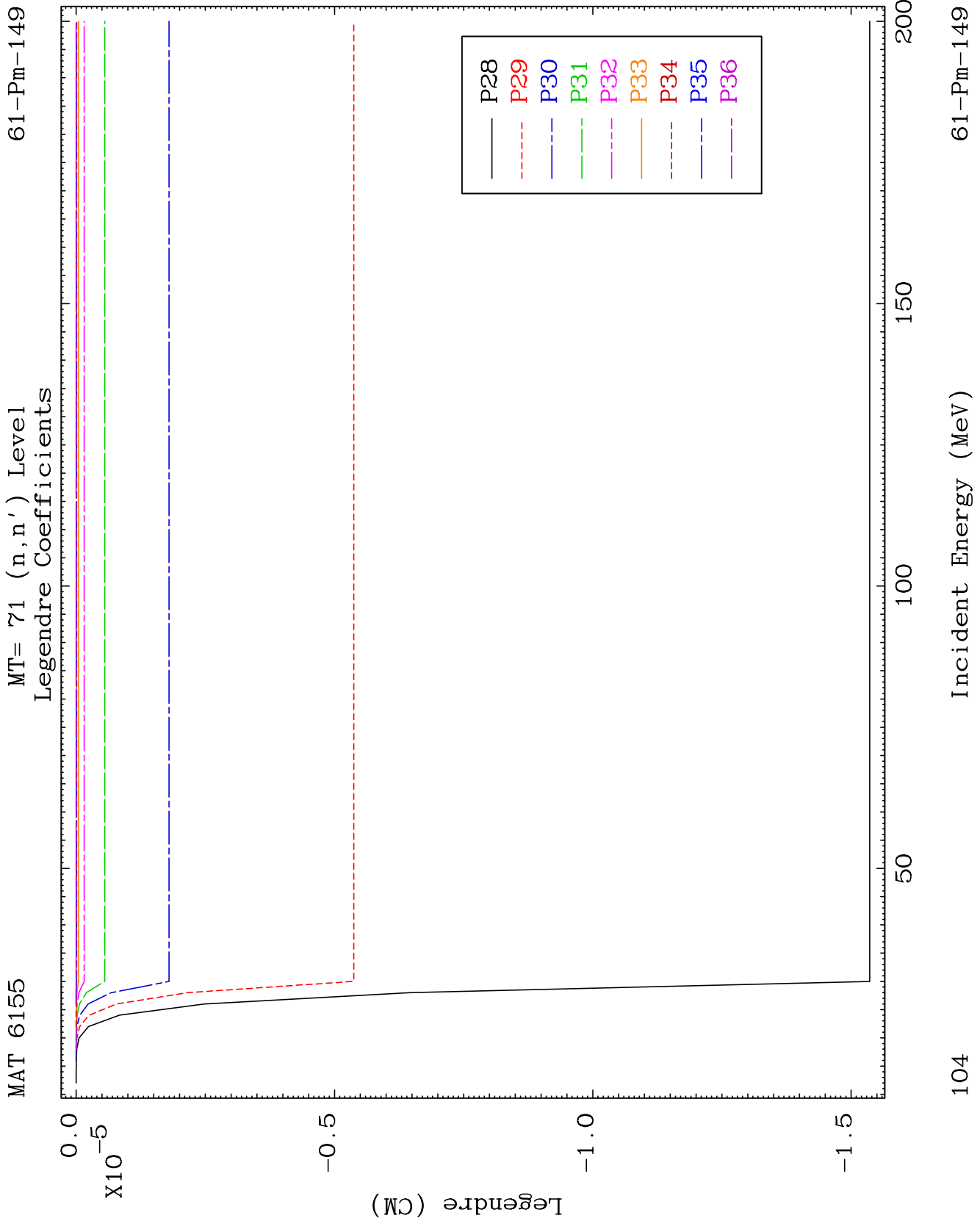
61-Pm-149



103

Incident Energy (MeV)

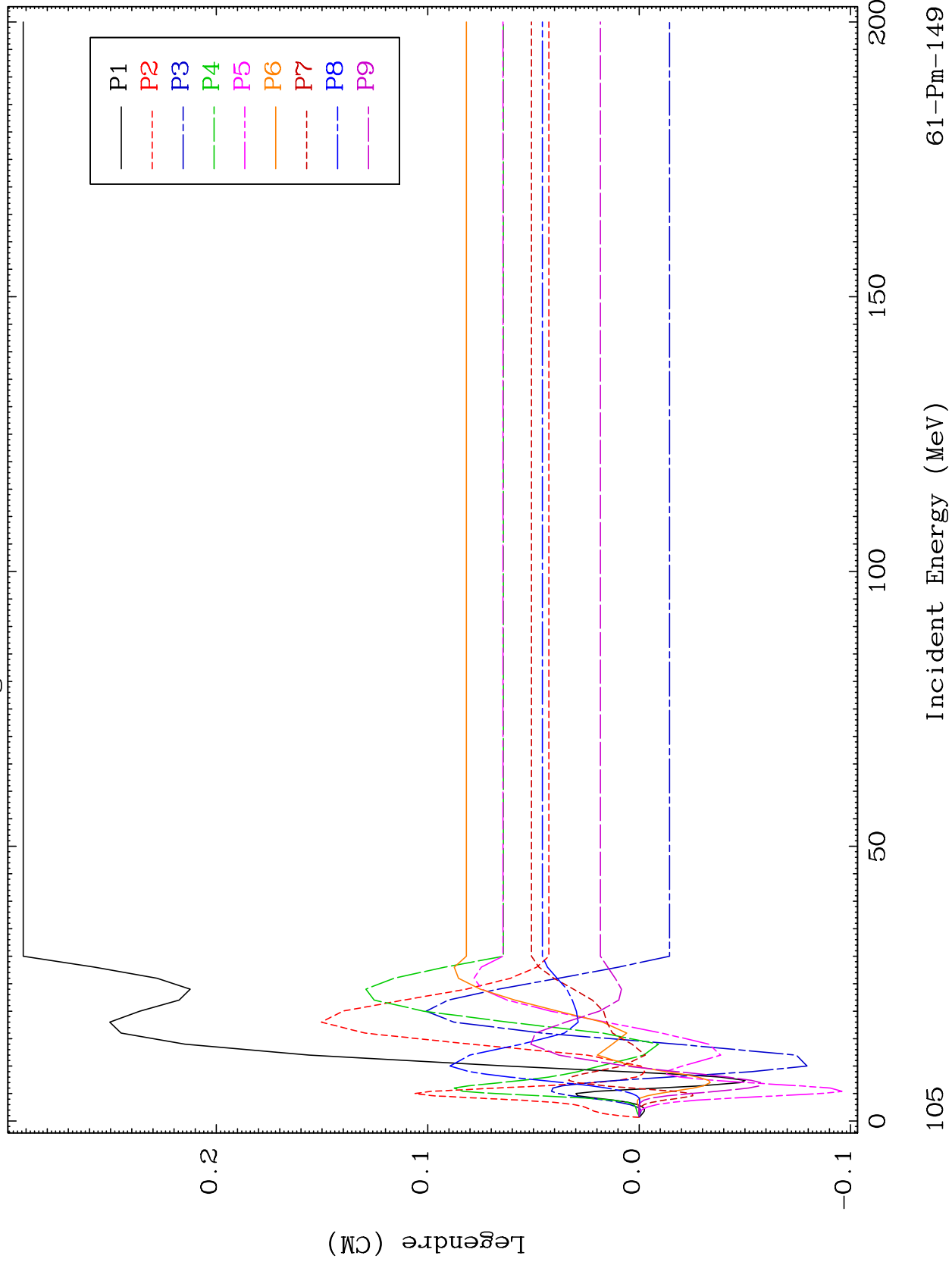
61-Pm-149



MAT 6155

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

61-Pm-149



61-Pm-149

Incident Energy (MeV)

0

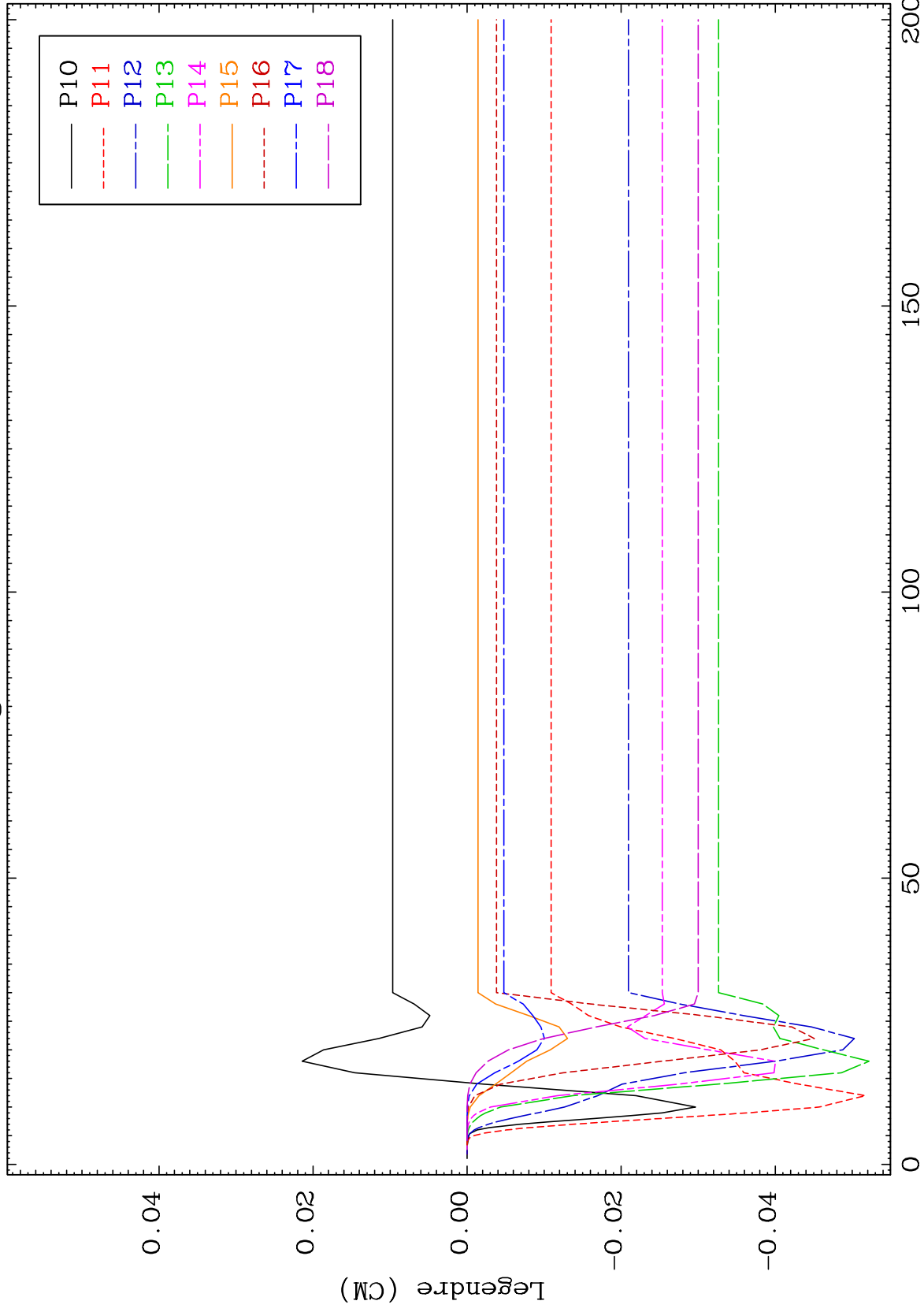
105

200

MAT 6155

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

61-Pm-149



106

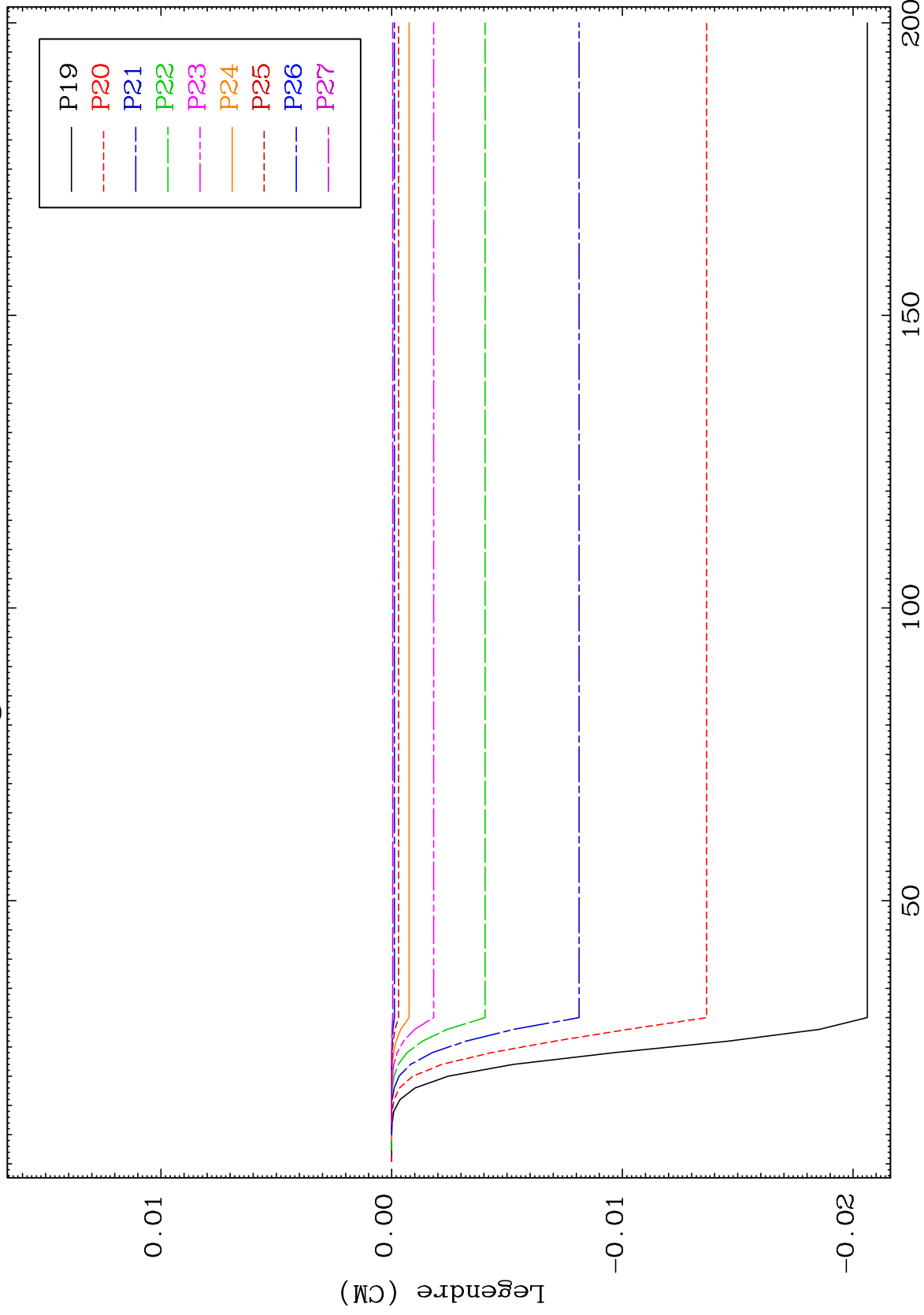
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

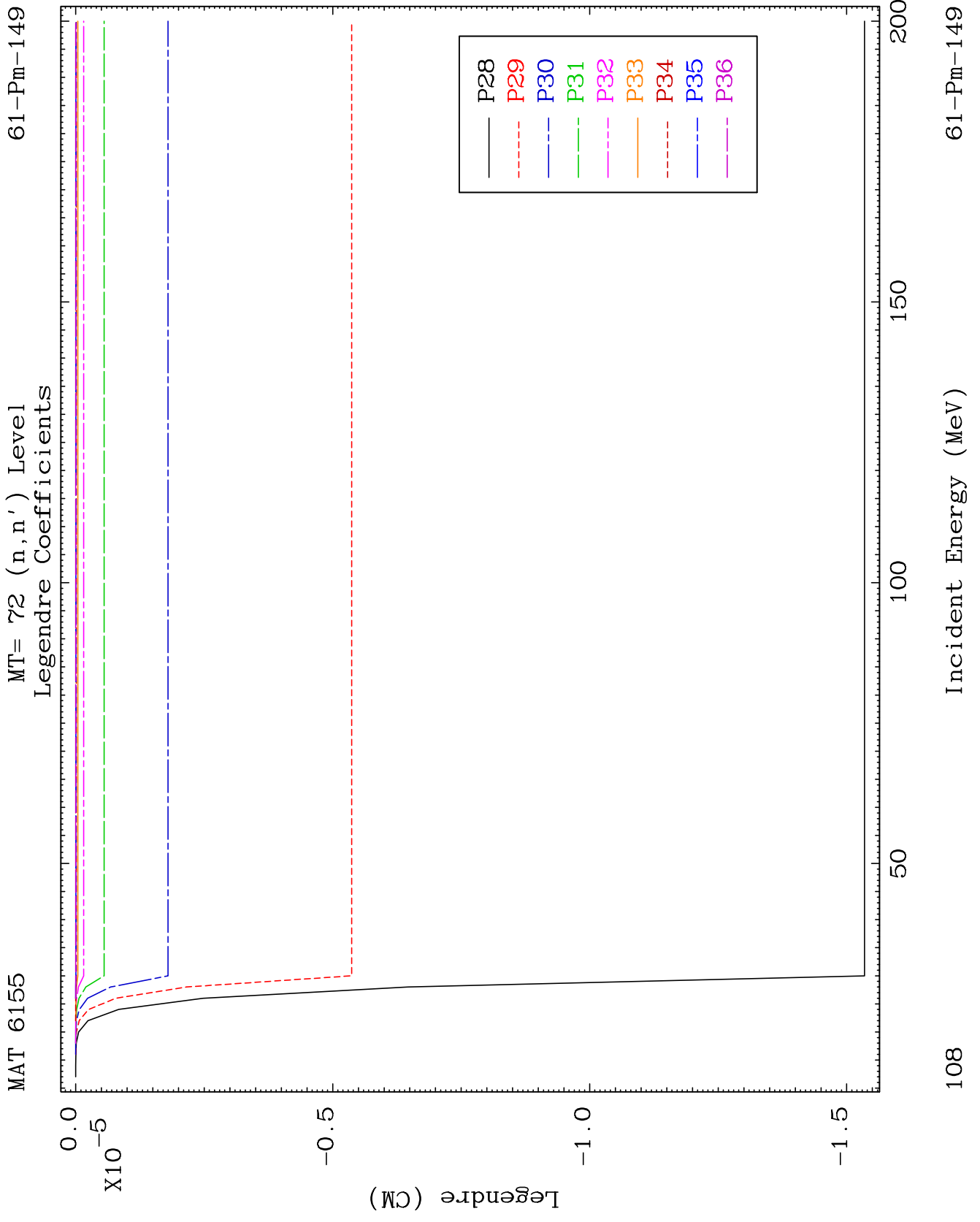
61-Pm-149



107

Incident Energy (MeV)

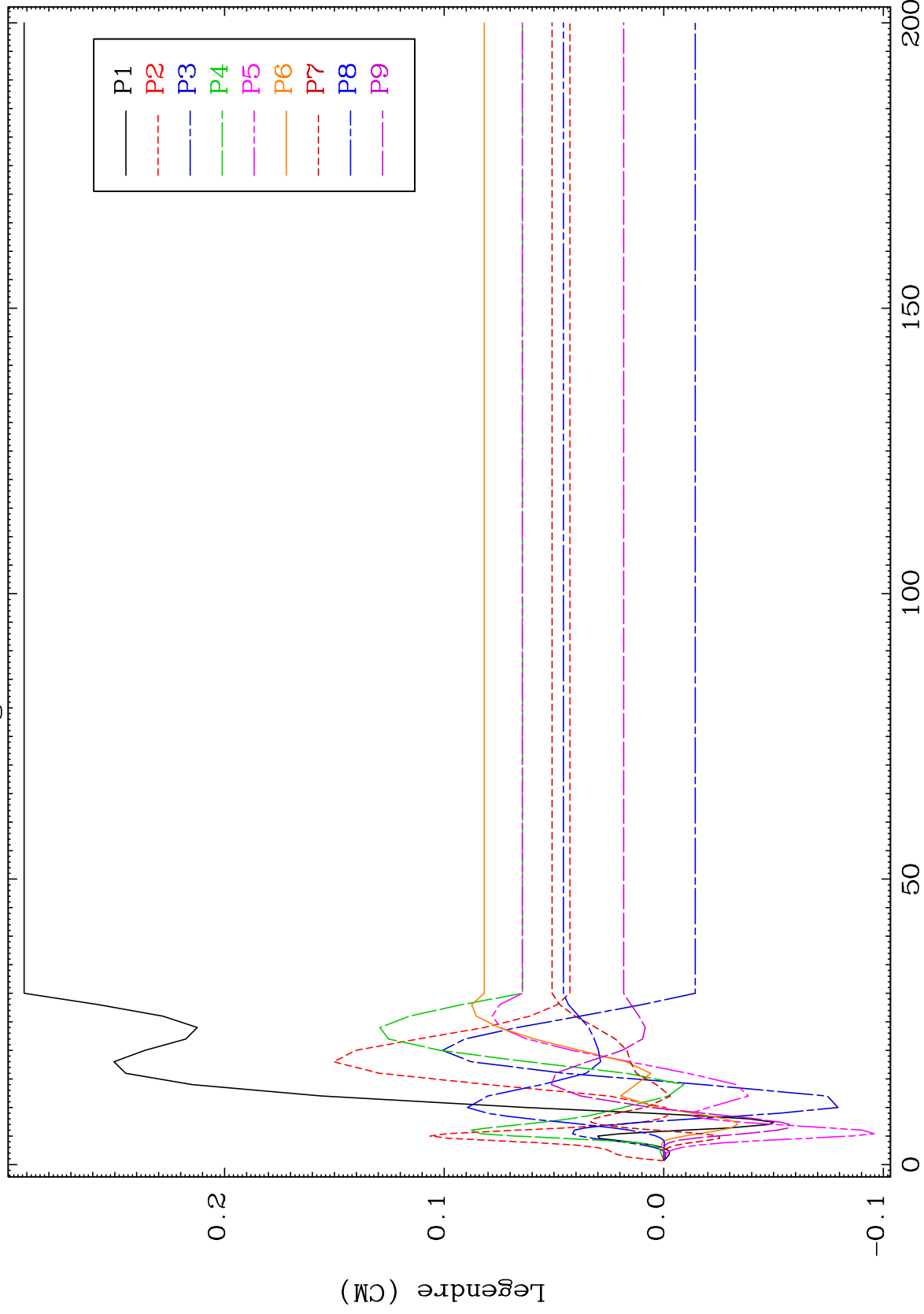
61-Pm-149



MAT 6155

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

61-Pm-149



61-Pm-149

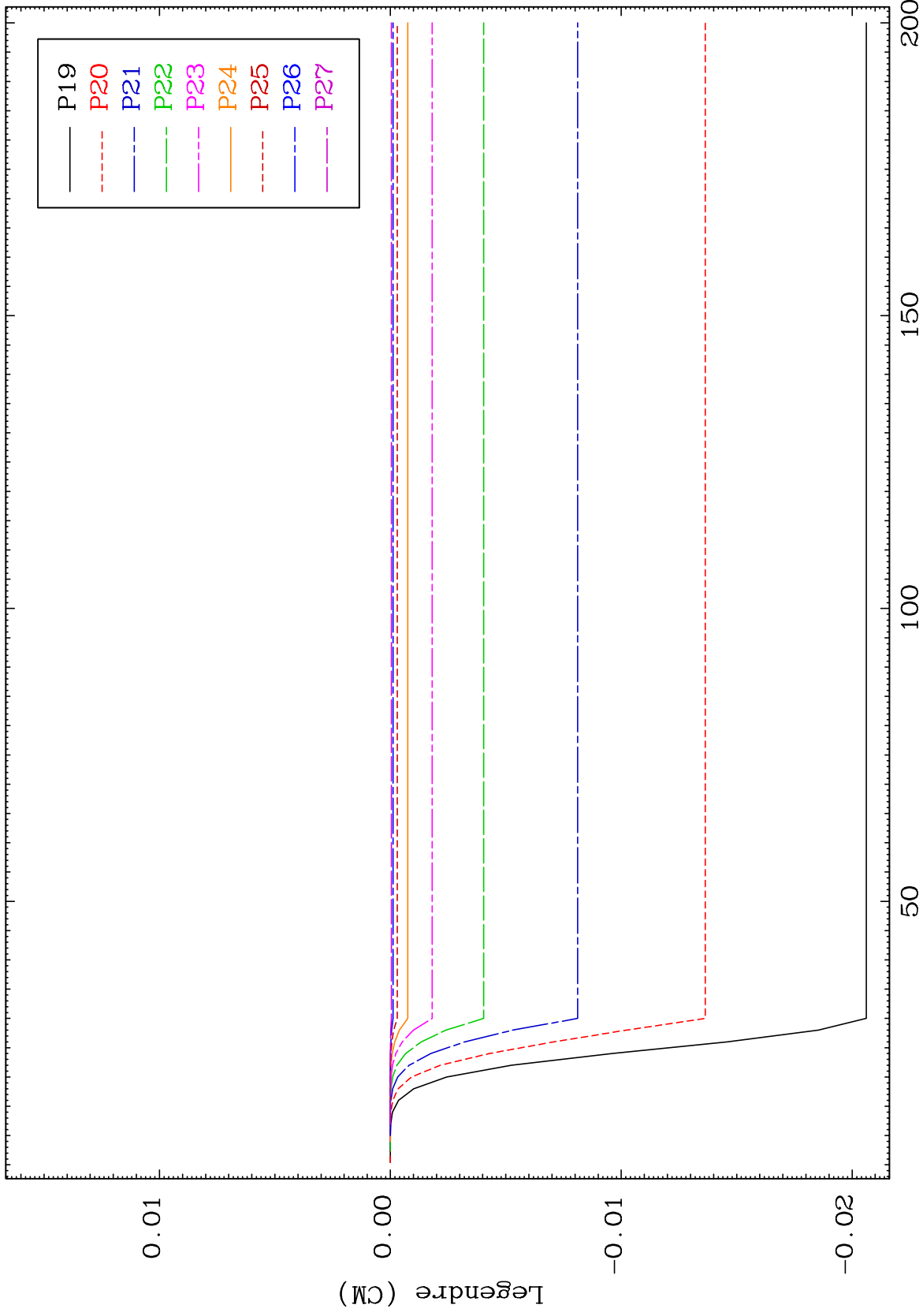
Incident Energy (MeV)

109

MAT 6155

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

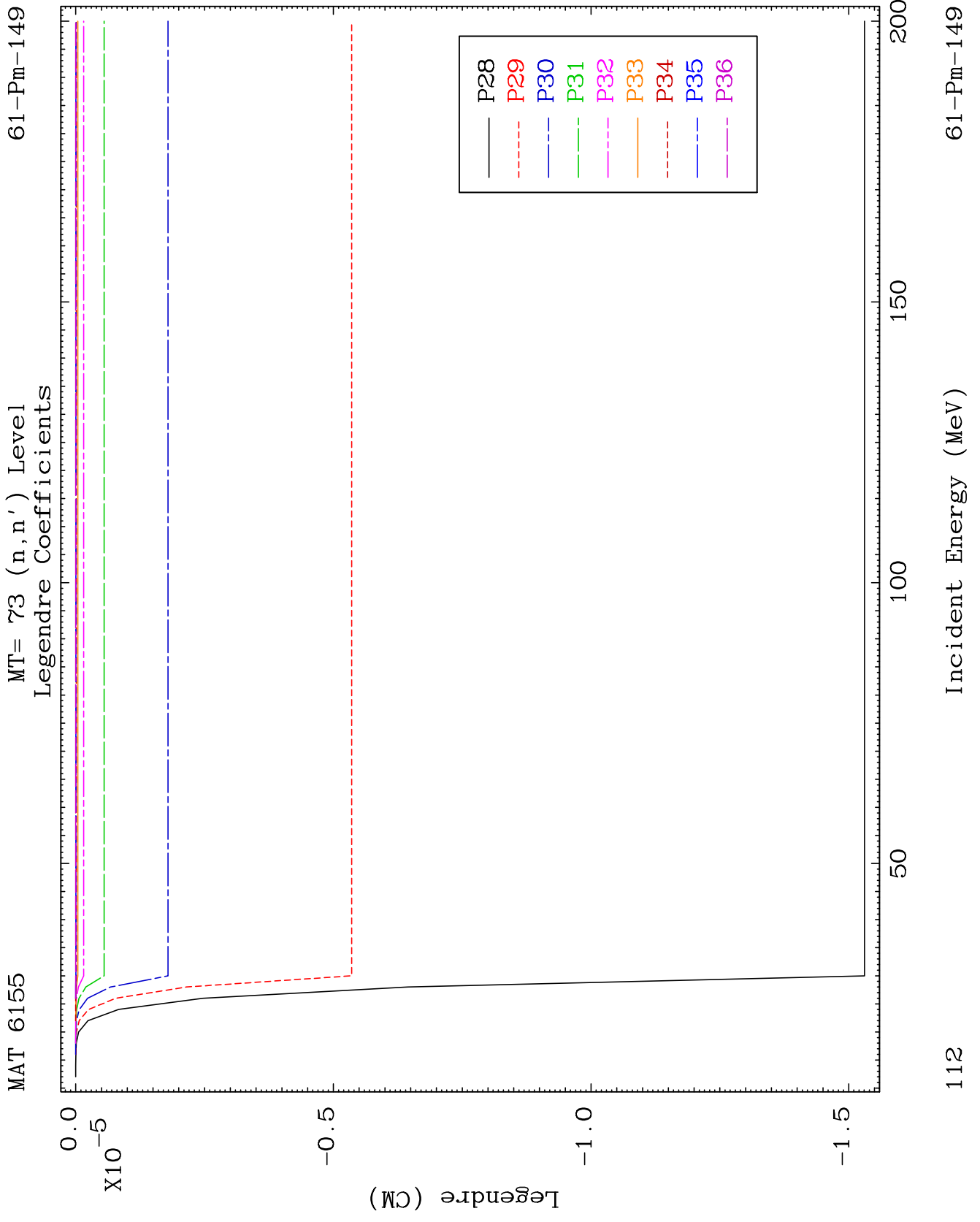
61-Pm-149



111

Incident Energy (MeV)

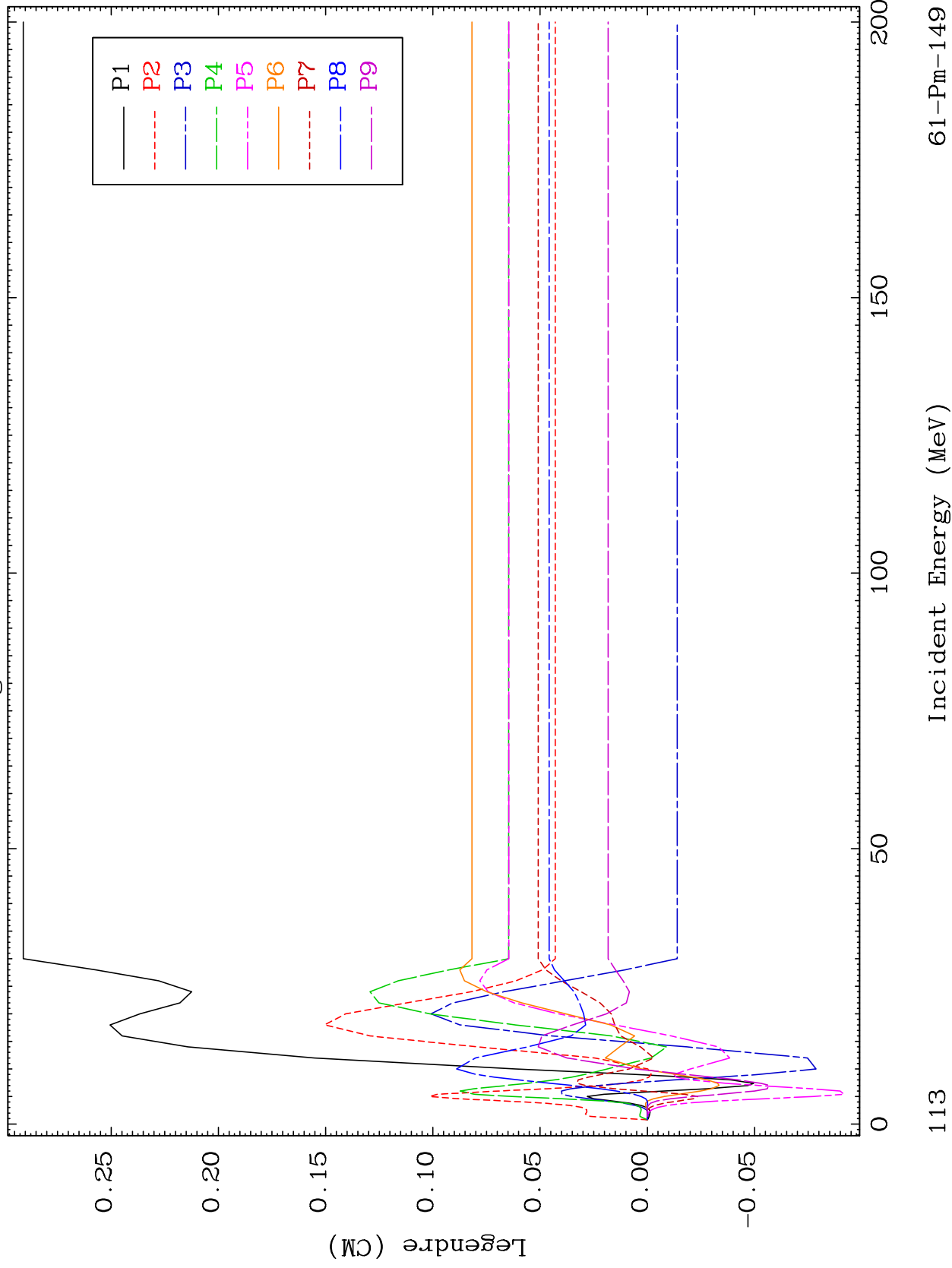
61-Pm-149



MAT 6155

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

61-Pm-149



113

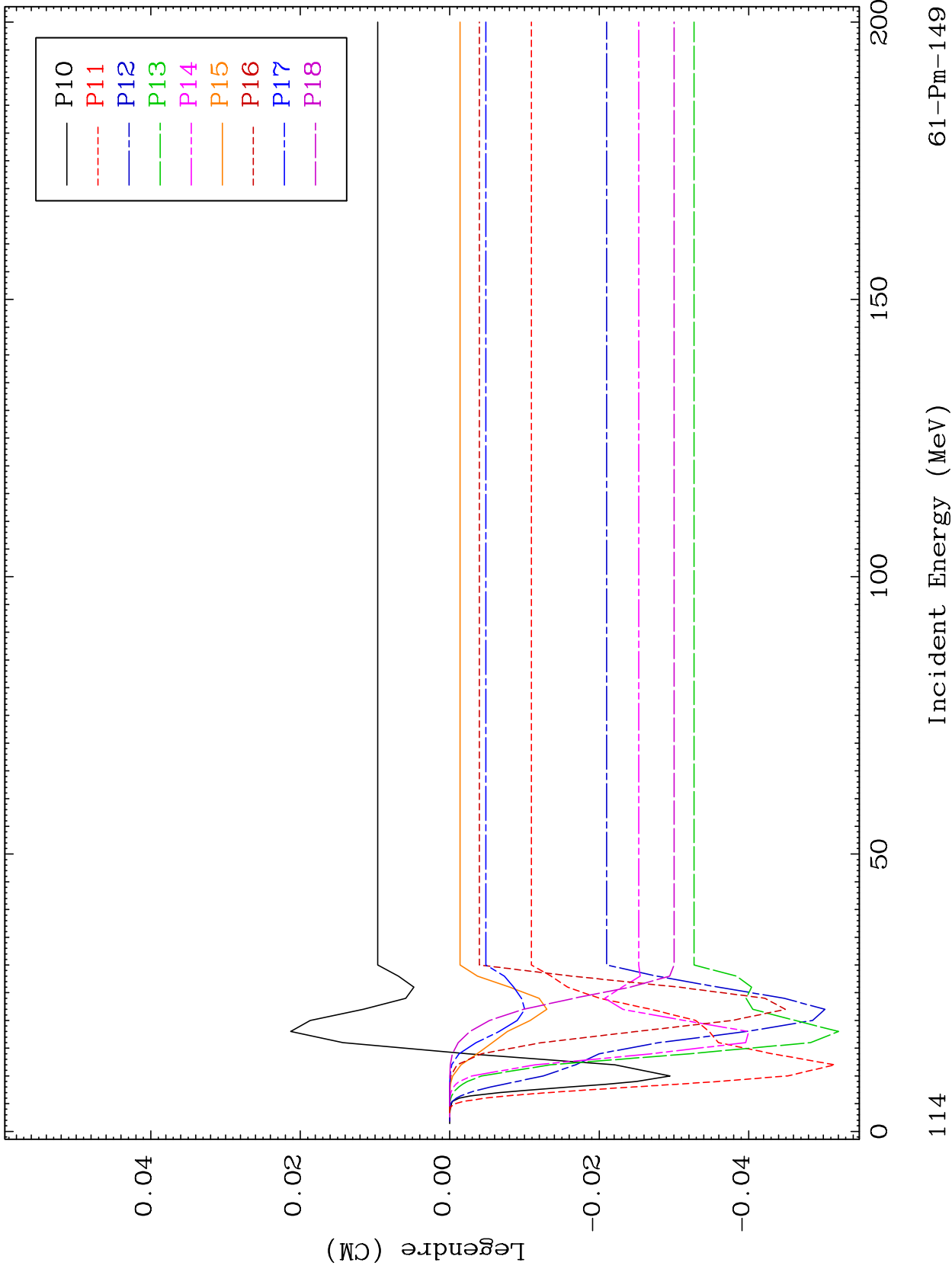
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

61-Pm-149



114

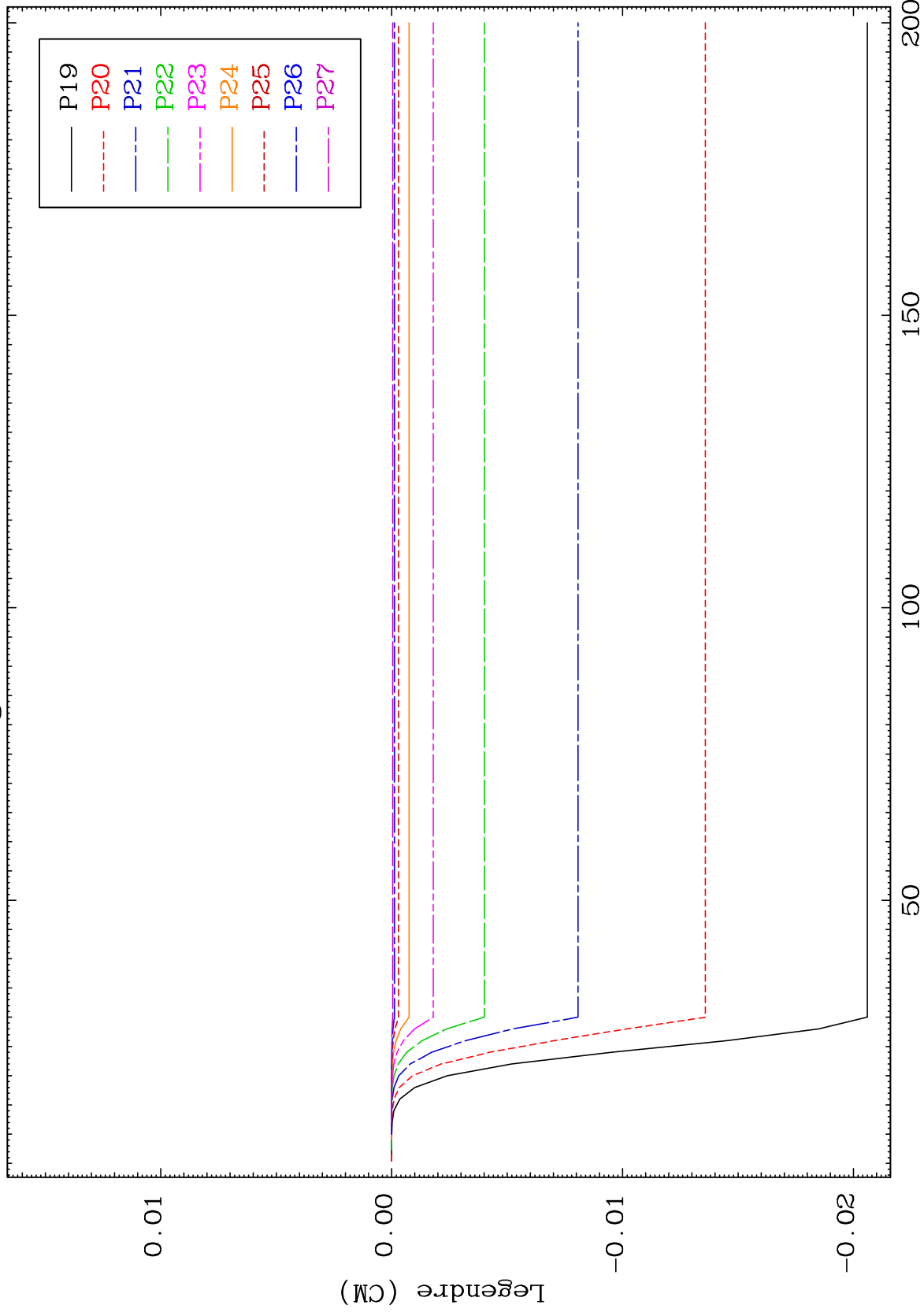
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

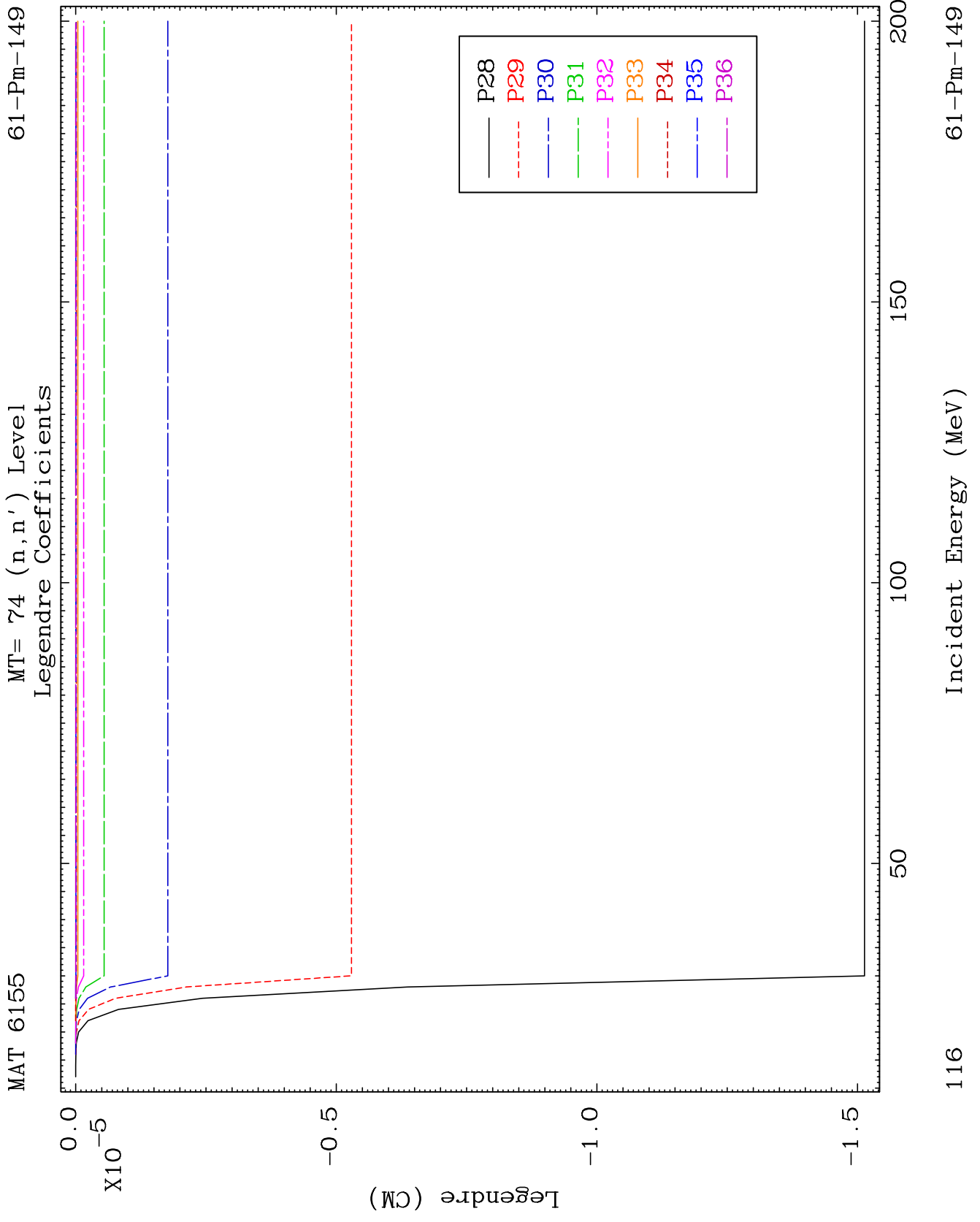
61-Pm-149



115

Incident Energy (MeV)

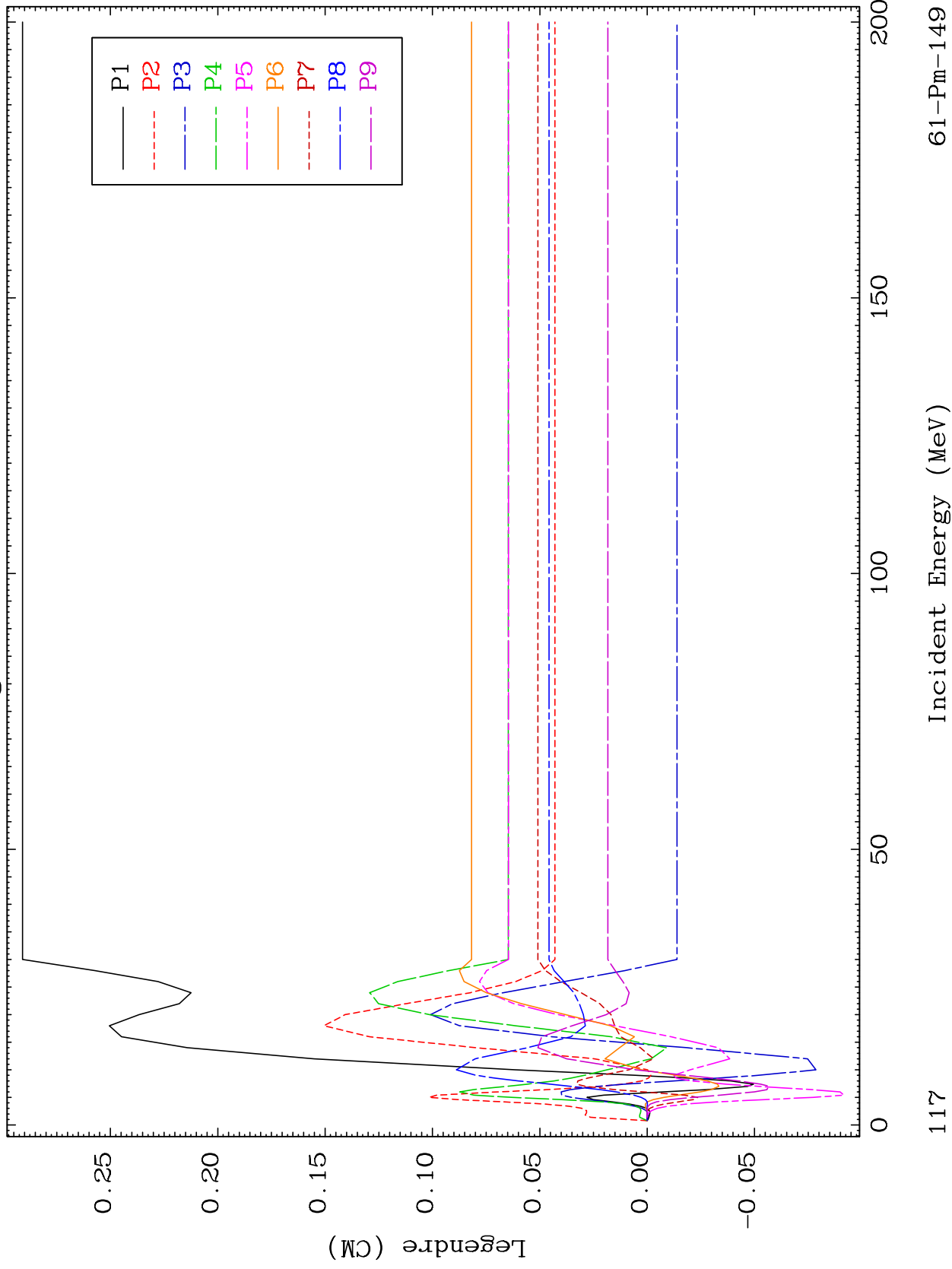
61-Pm-149



MAT 6155

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

61-Pm-149



61-Pm-149

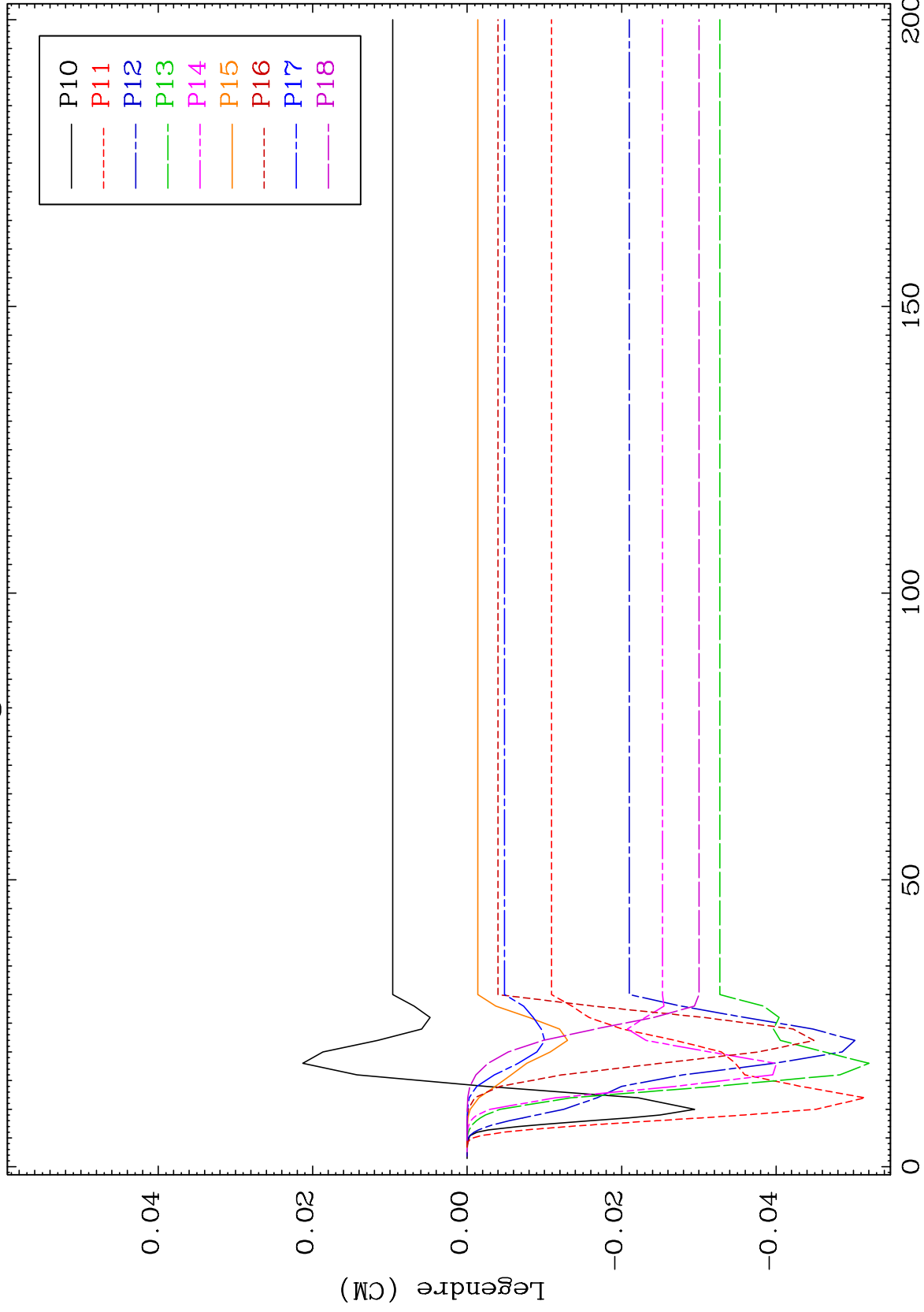
Incident Energy (MeV)

117

MAT 6155

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

61-Pm-149



118

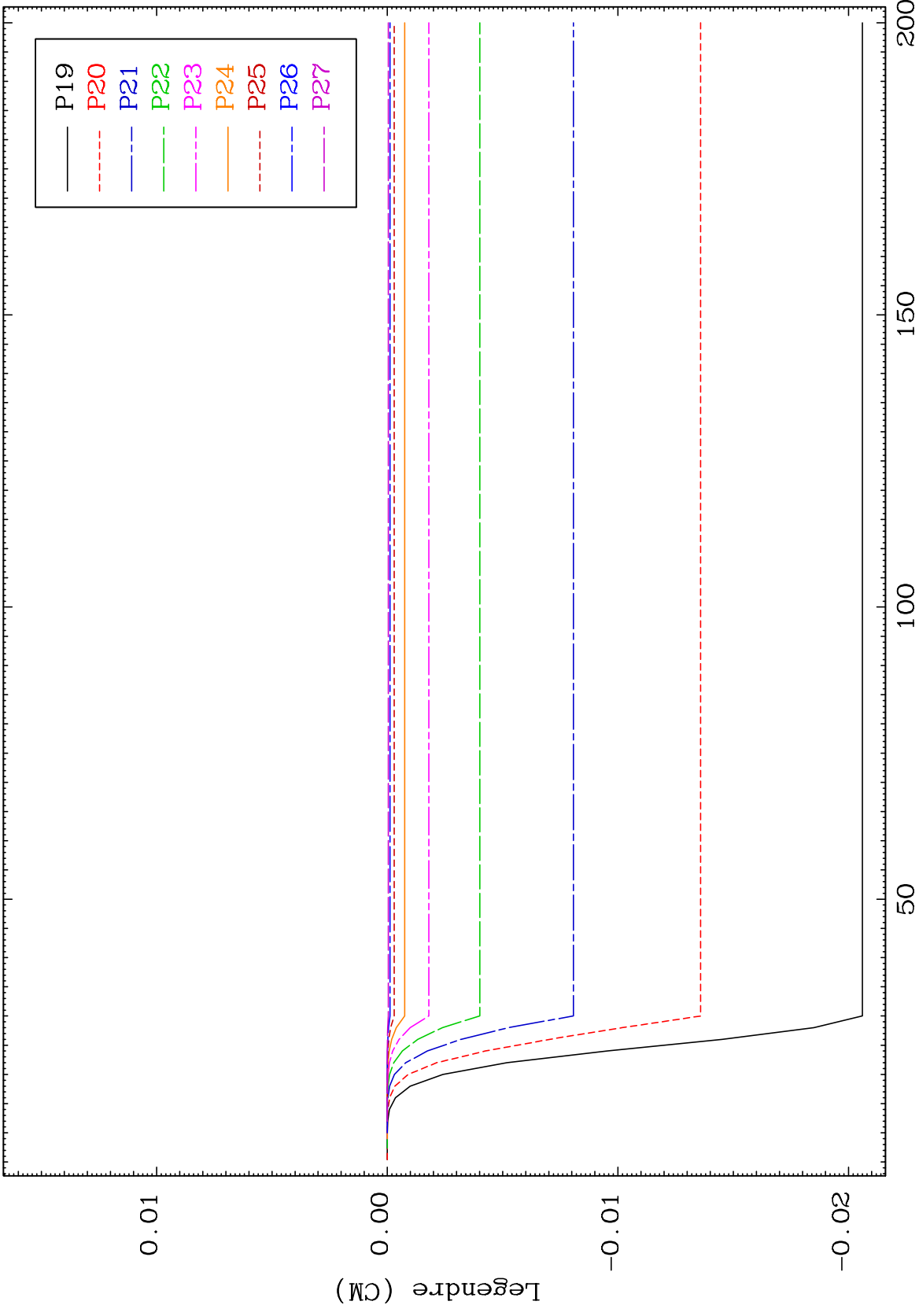
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

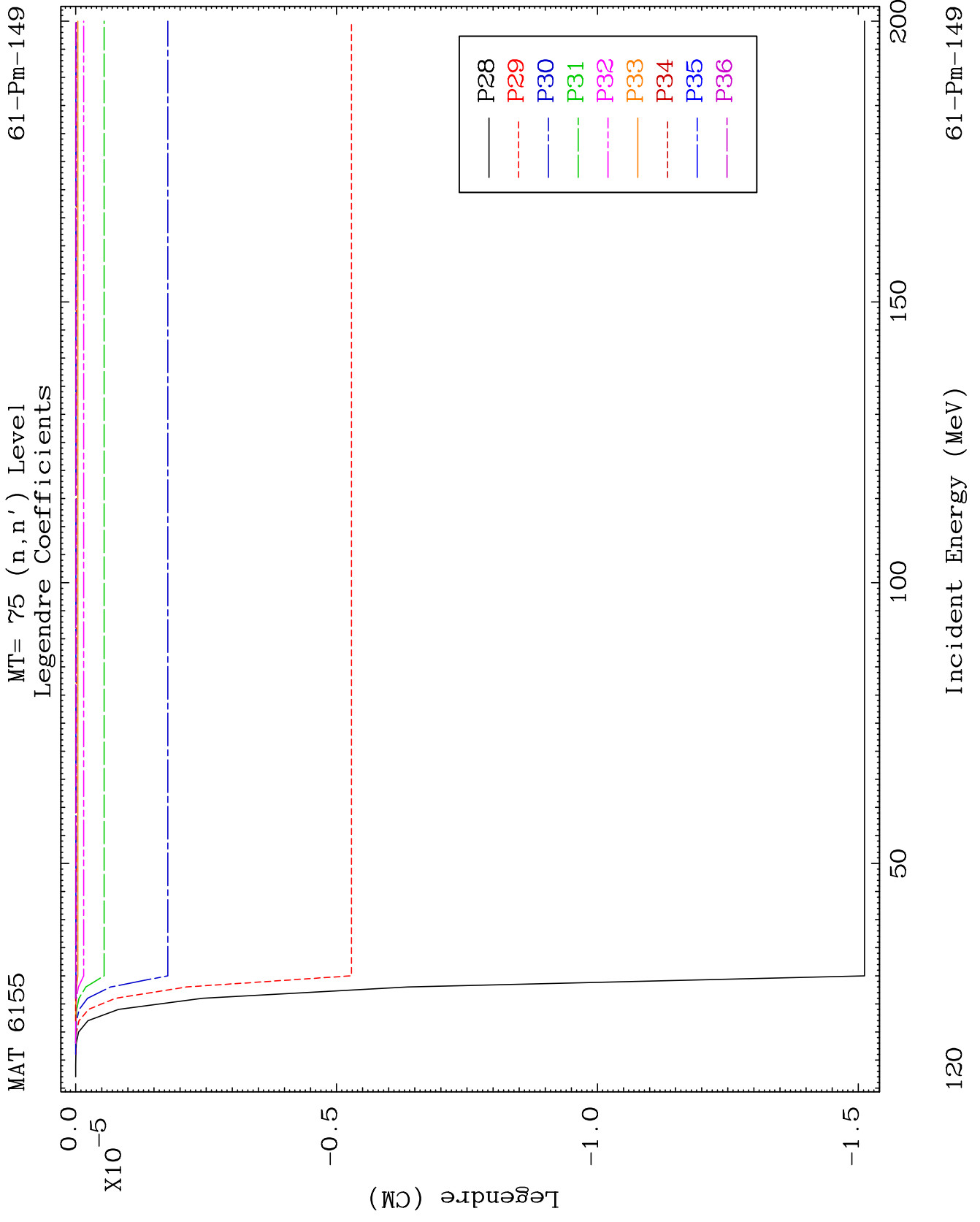
61-Pm-149



119

Incident Energy (MeV)

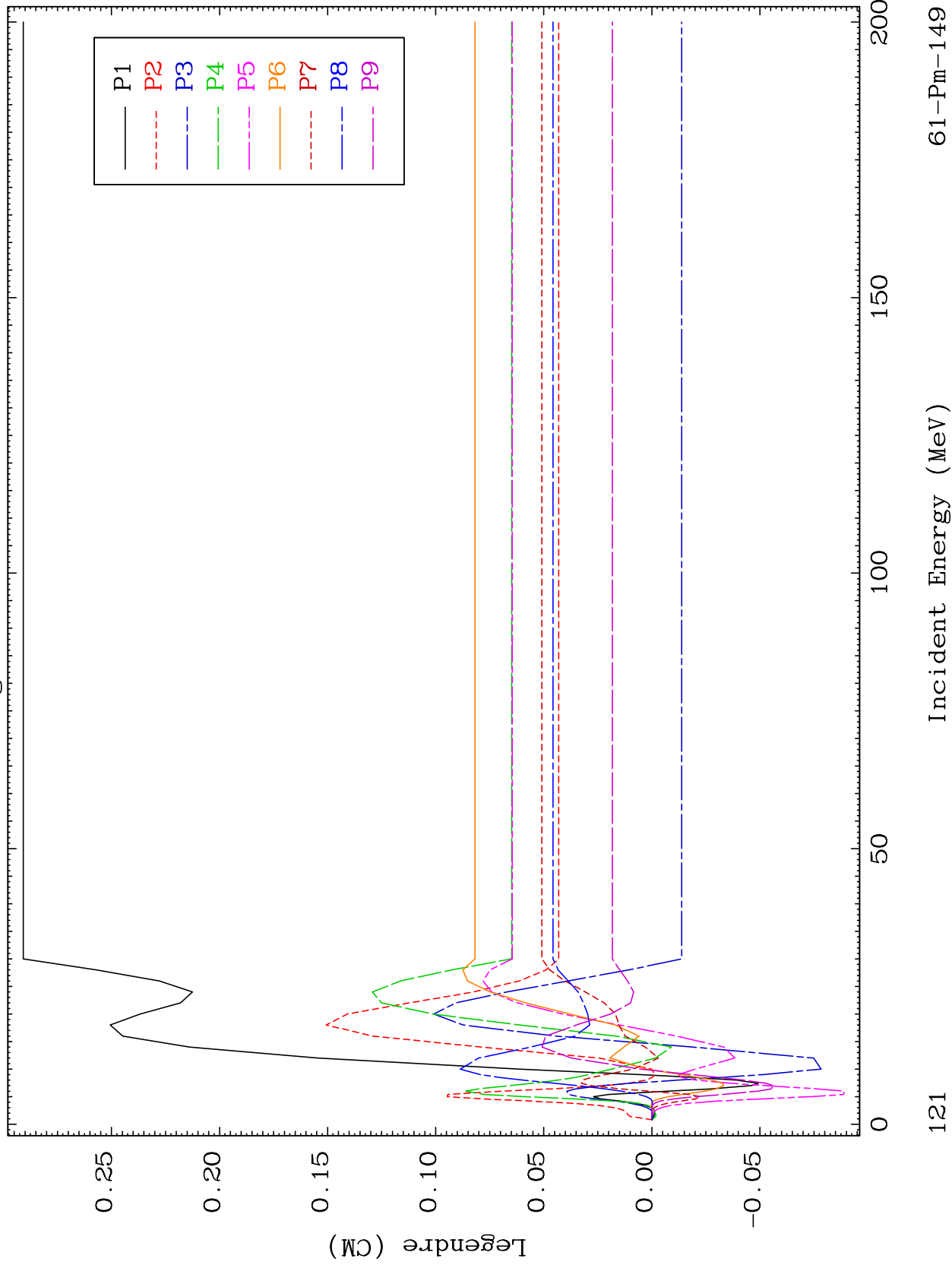
61-Pm-149



MAT 6155

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

61-Pm-149



61-Pm-149

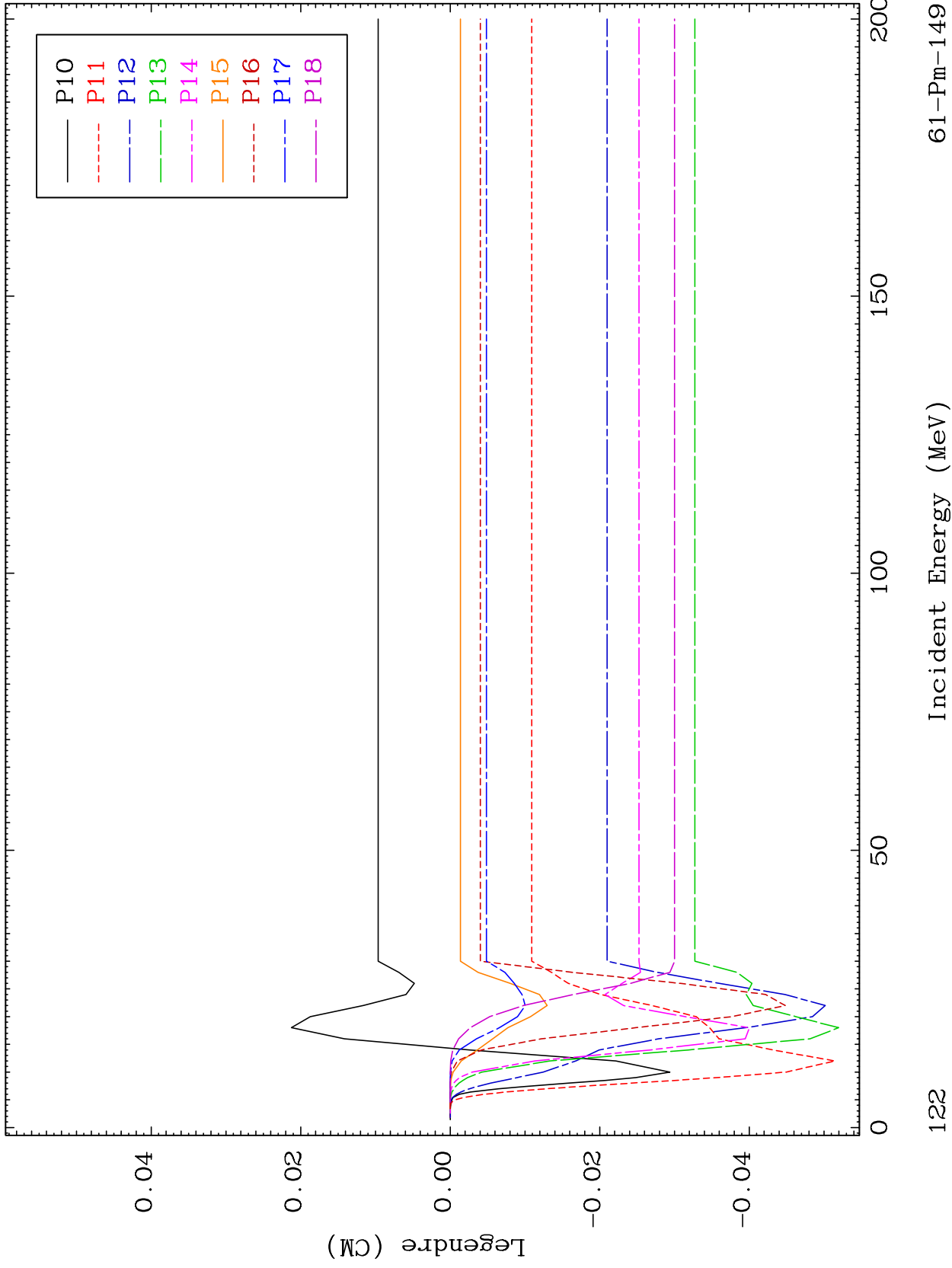
Incident Energy (MeV)

121

MAT 6155

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

61-Pm-149



61-Pm-149

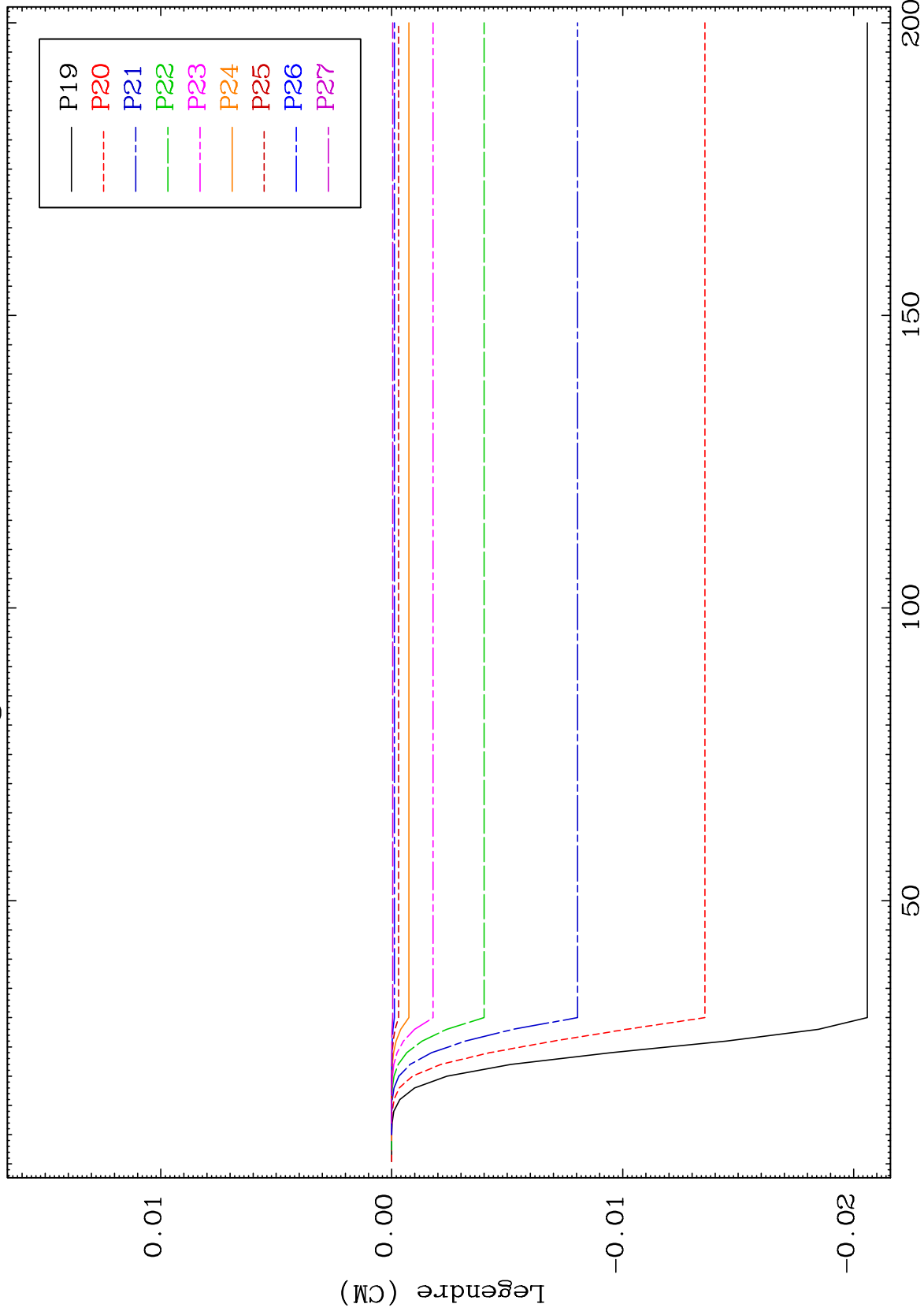
Incident Energy (MeV)

122

MAT 6155

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

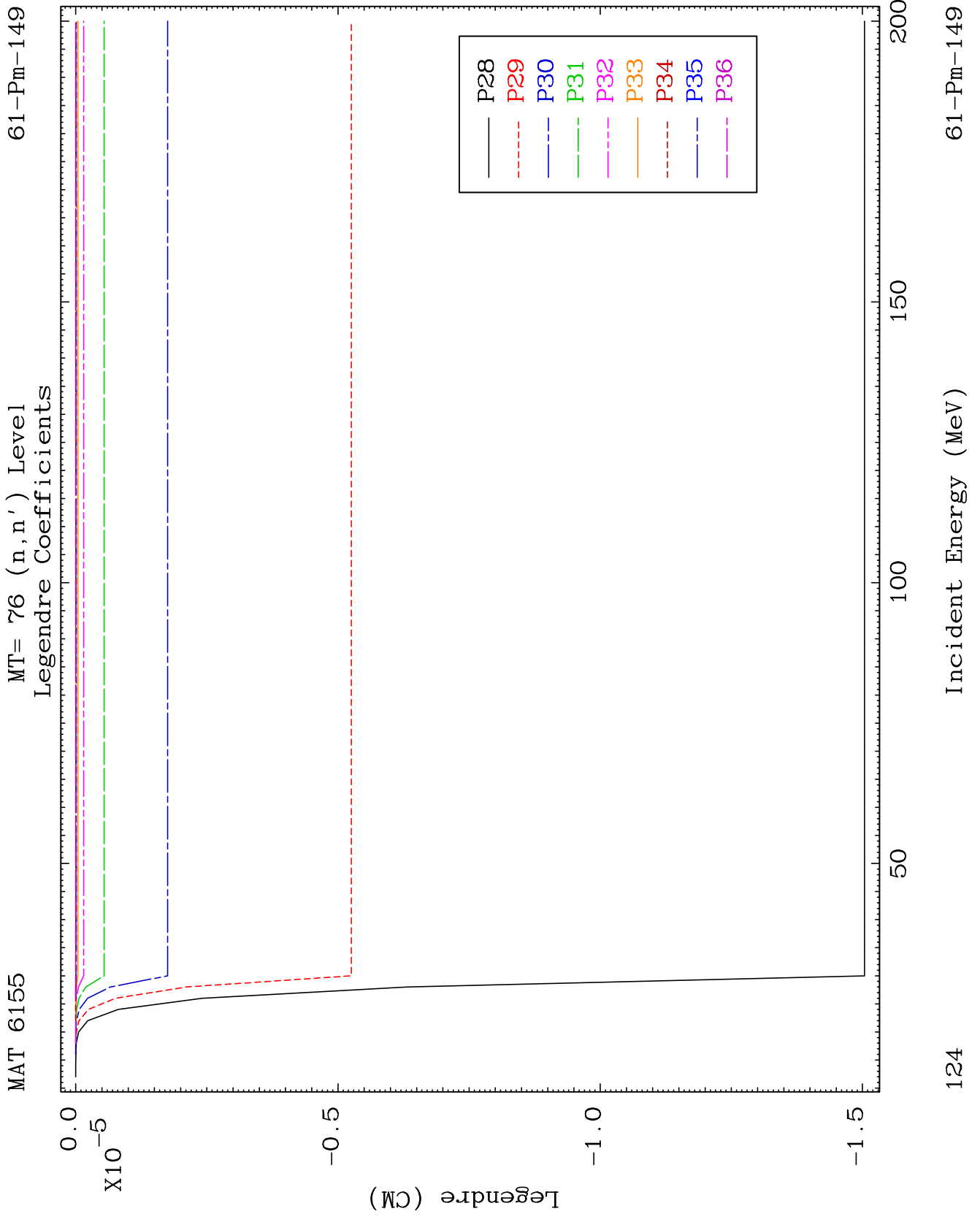
61-Pm-149



123

Incident Energy (MeV)

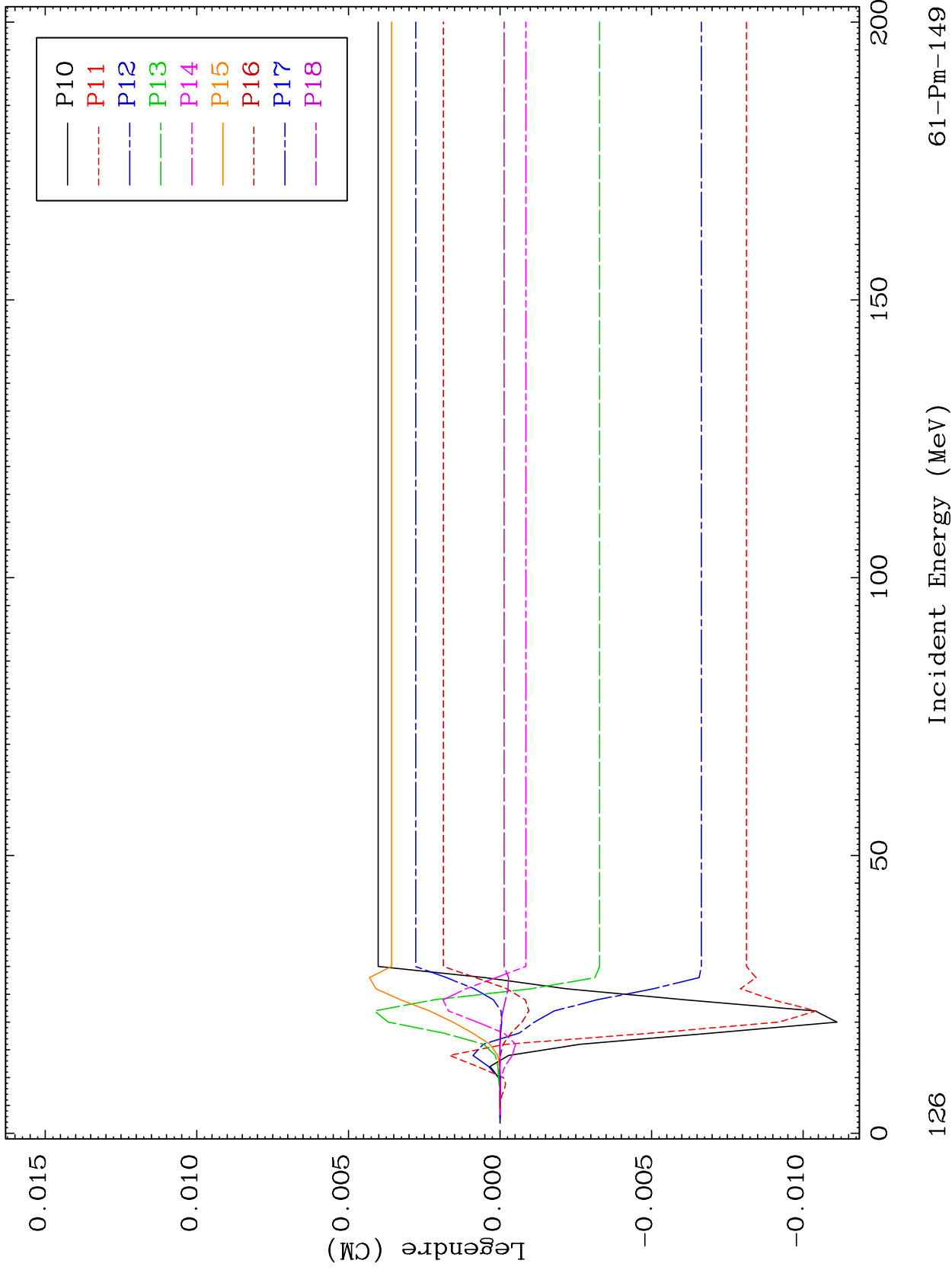
61-Pm-149



MAT 6155

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

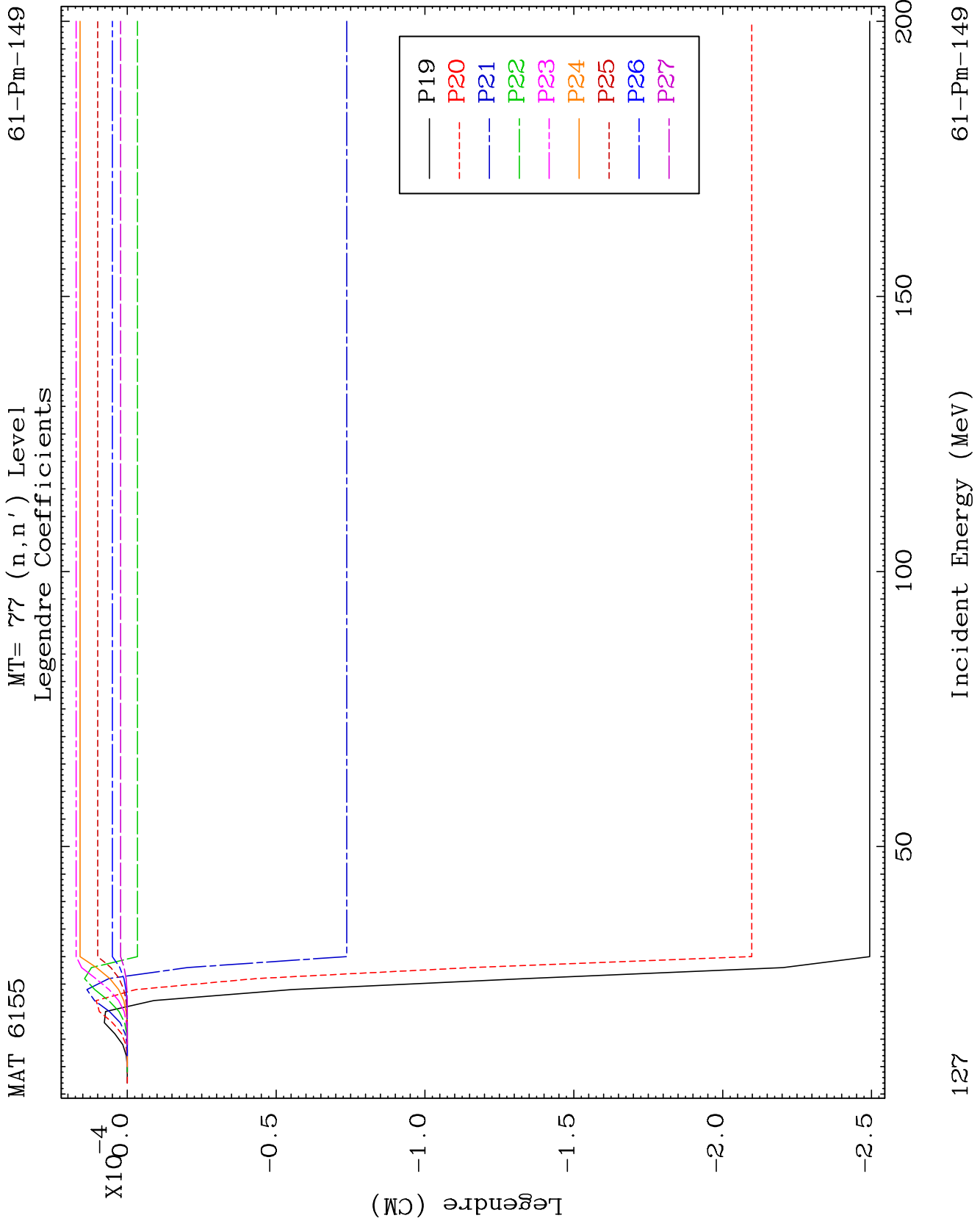
61-Pm-149



126

Incident Energy (MeV)

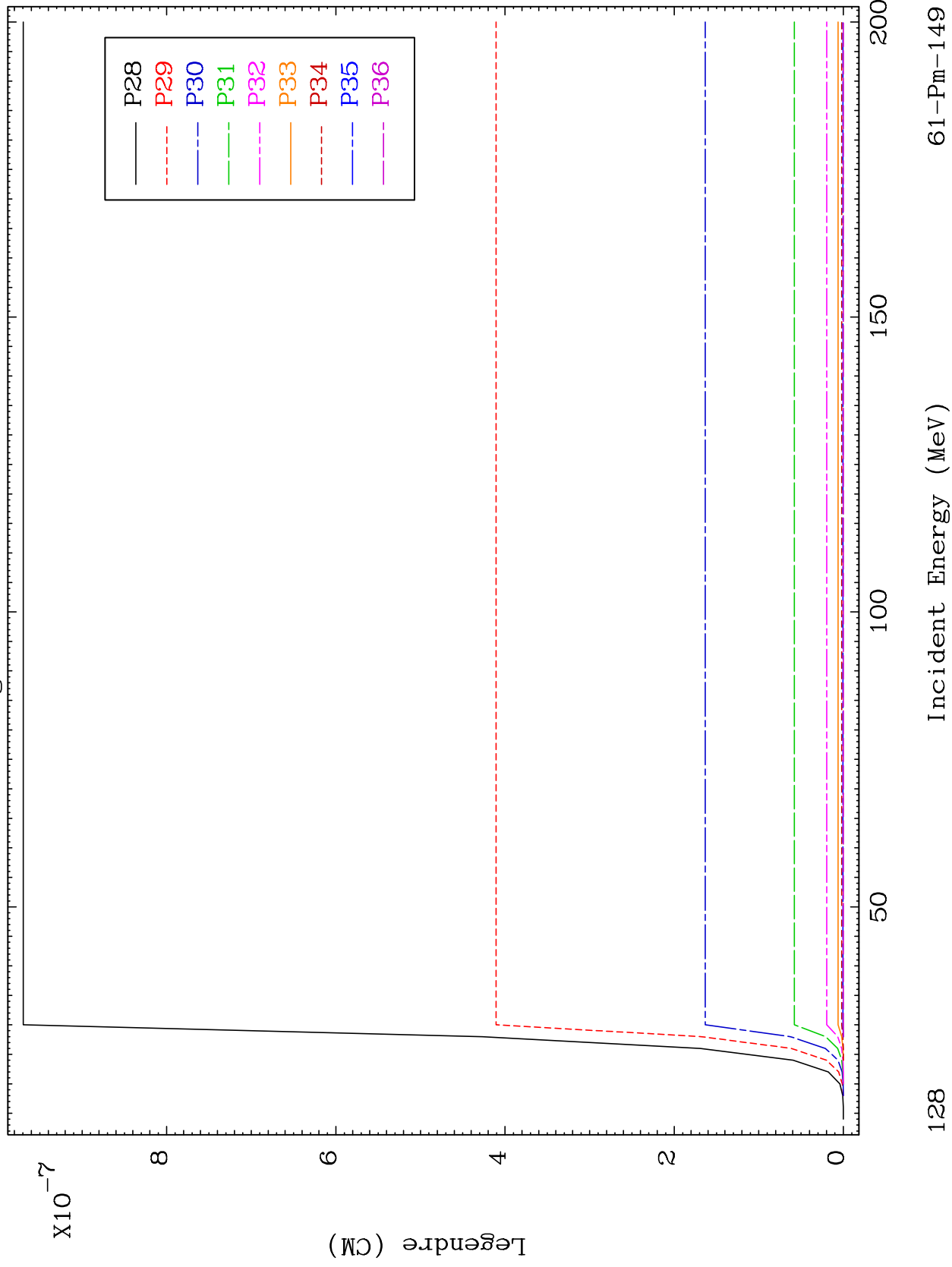
61-Pm-149



MAT 6155

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

61-Pm-149

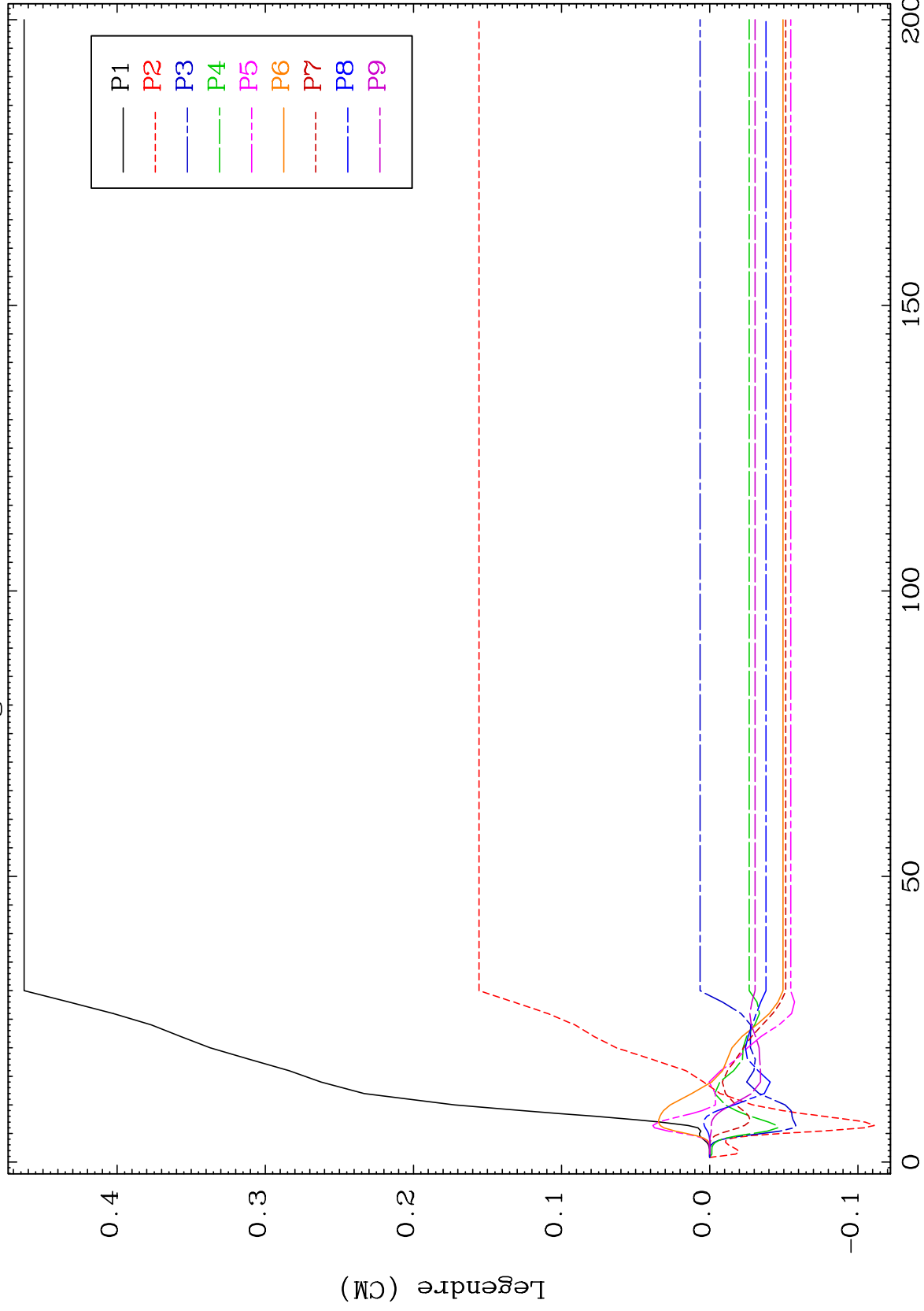


128

MAT 6155

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

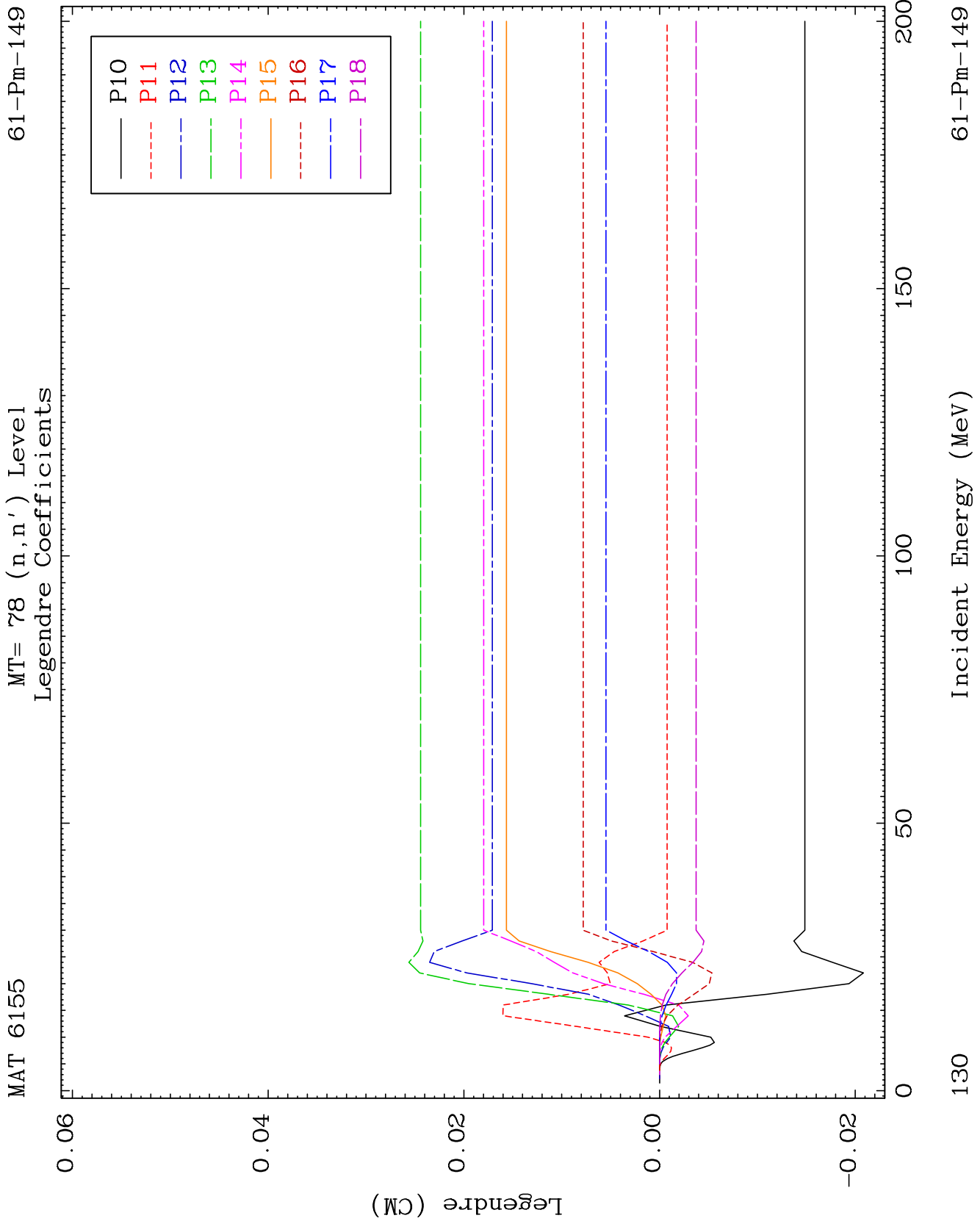
61-Pm-149



129

Incident Energy (MeV)

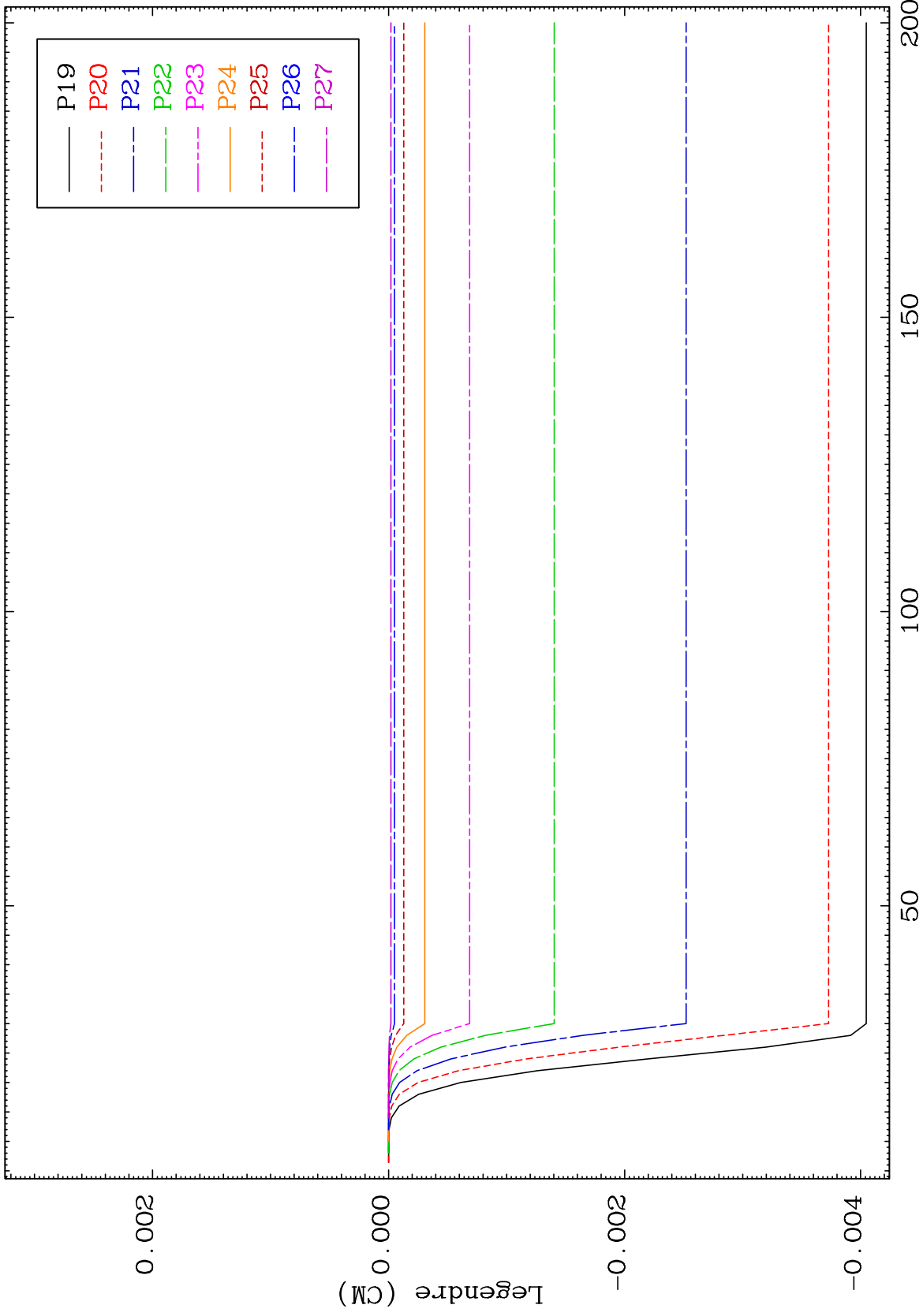
61-Pm-149



MAT 6155

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

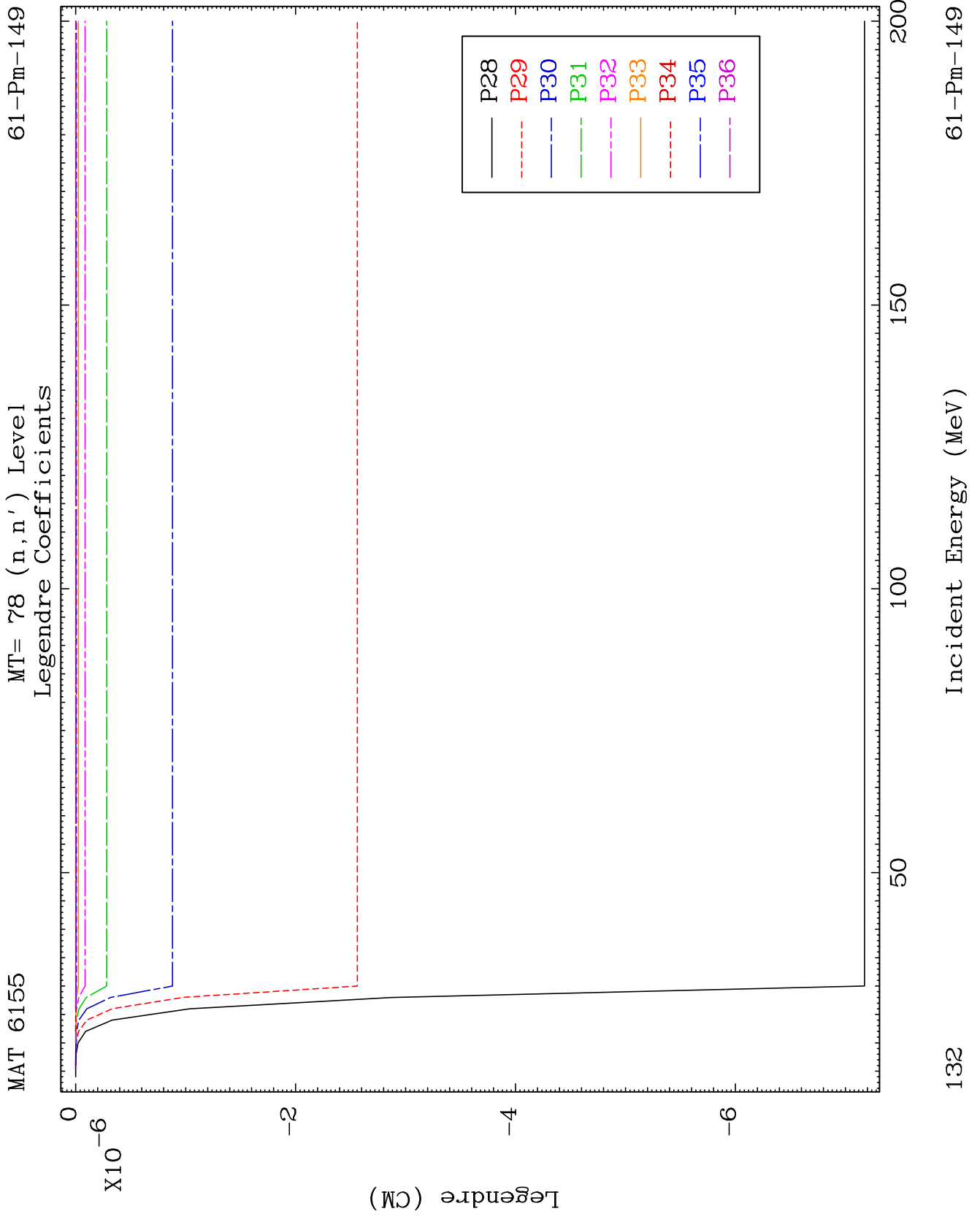
61-Pm-149



131

Incident Energy (MeV)

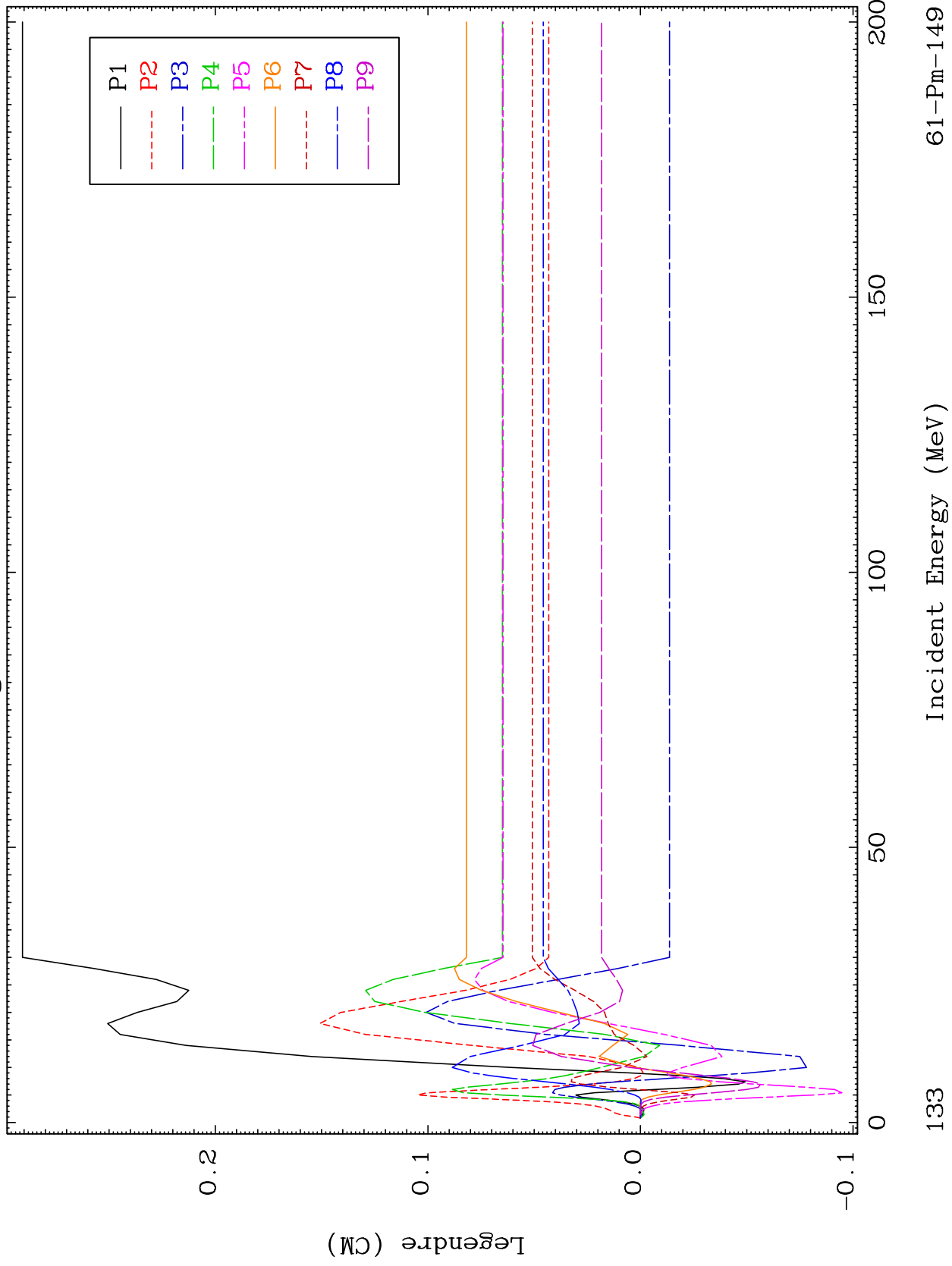
61-Pm-149



MAT 6155

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

61-Pm-149



61-Pm-149

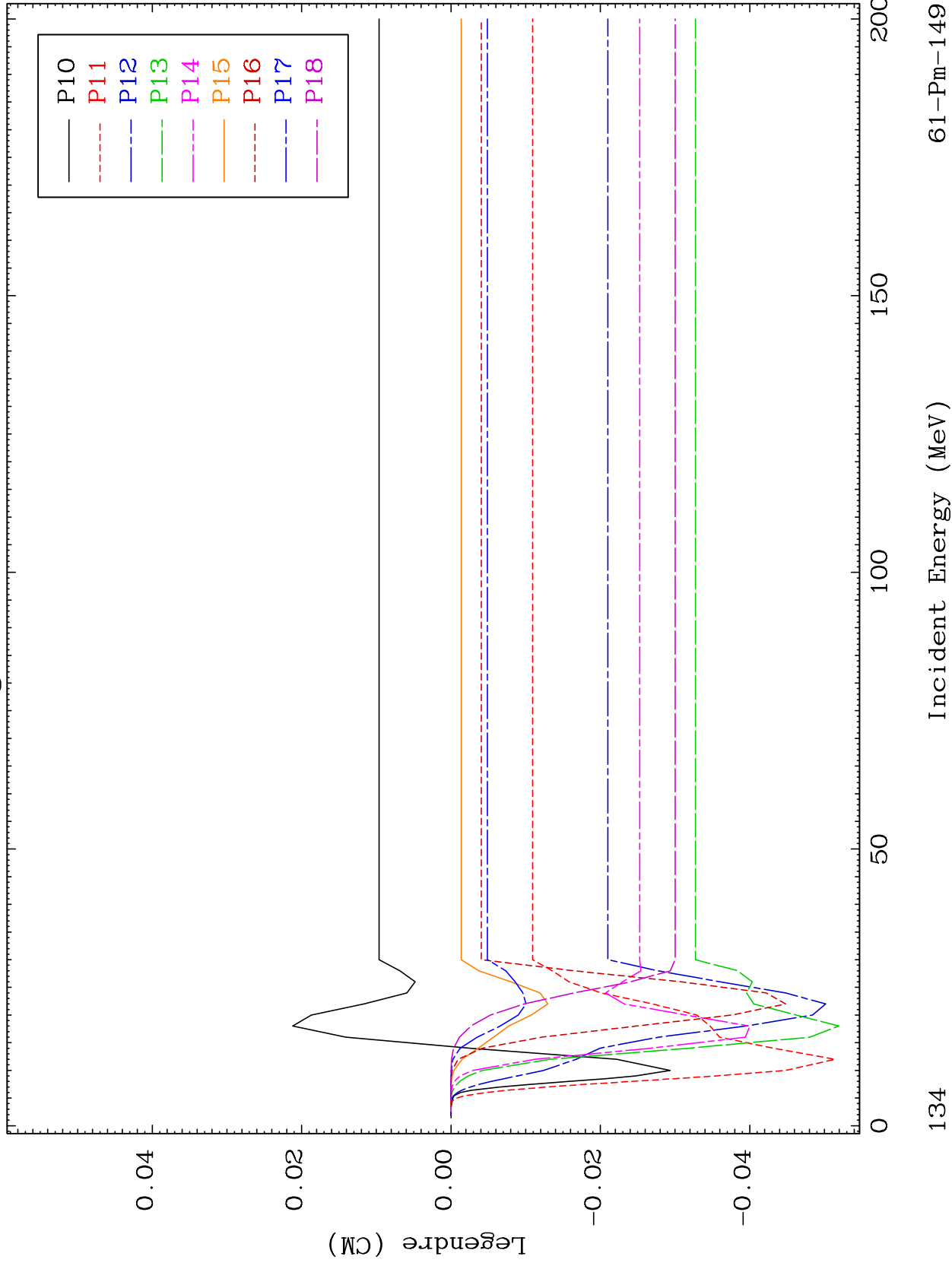
Incident Energy (MeV)

133

MAT 6155

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

61-Pm-149



134

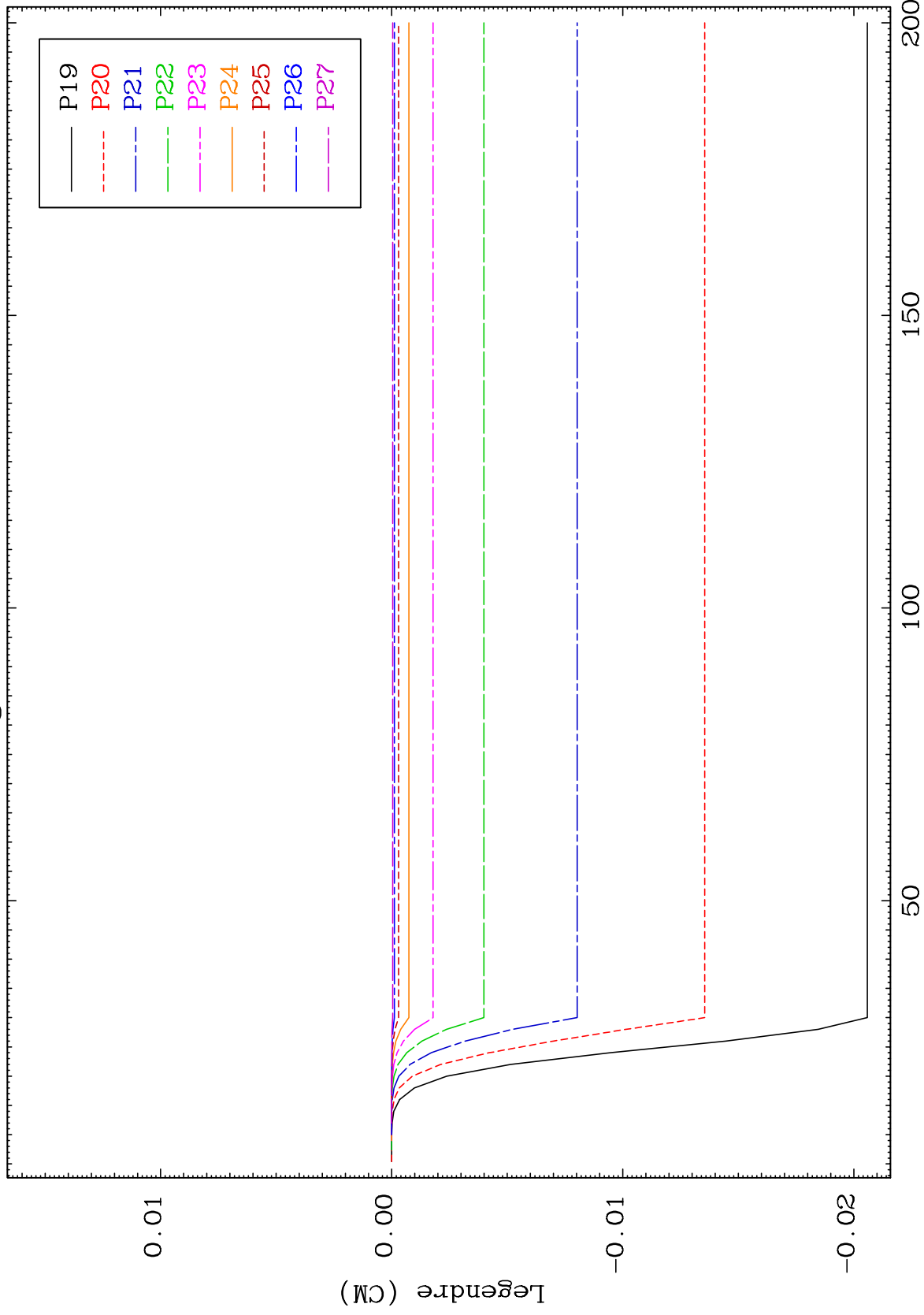
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

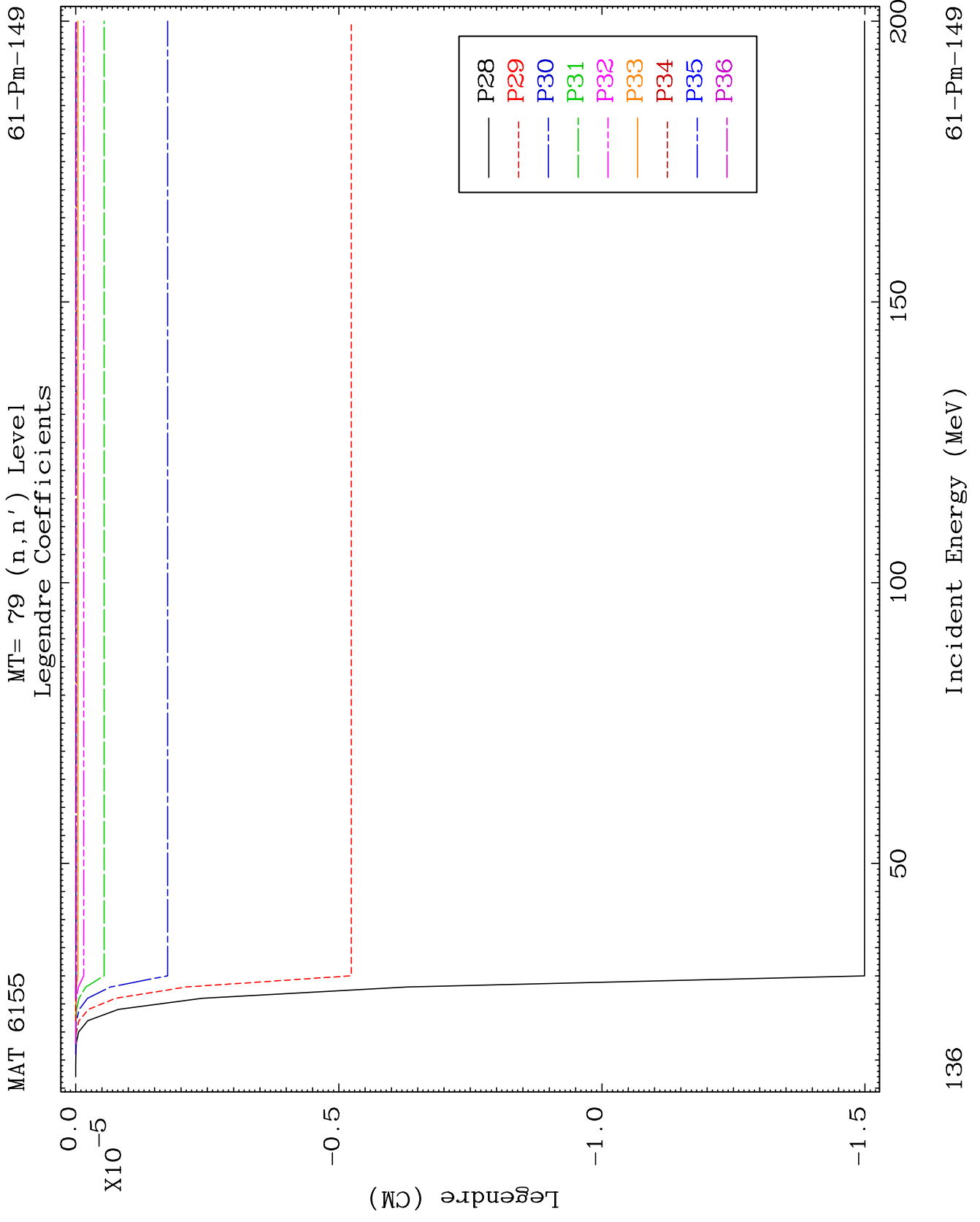
61-Pm-149

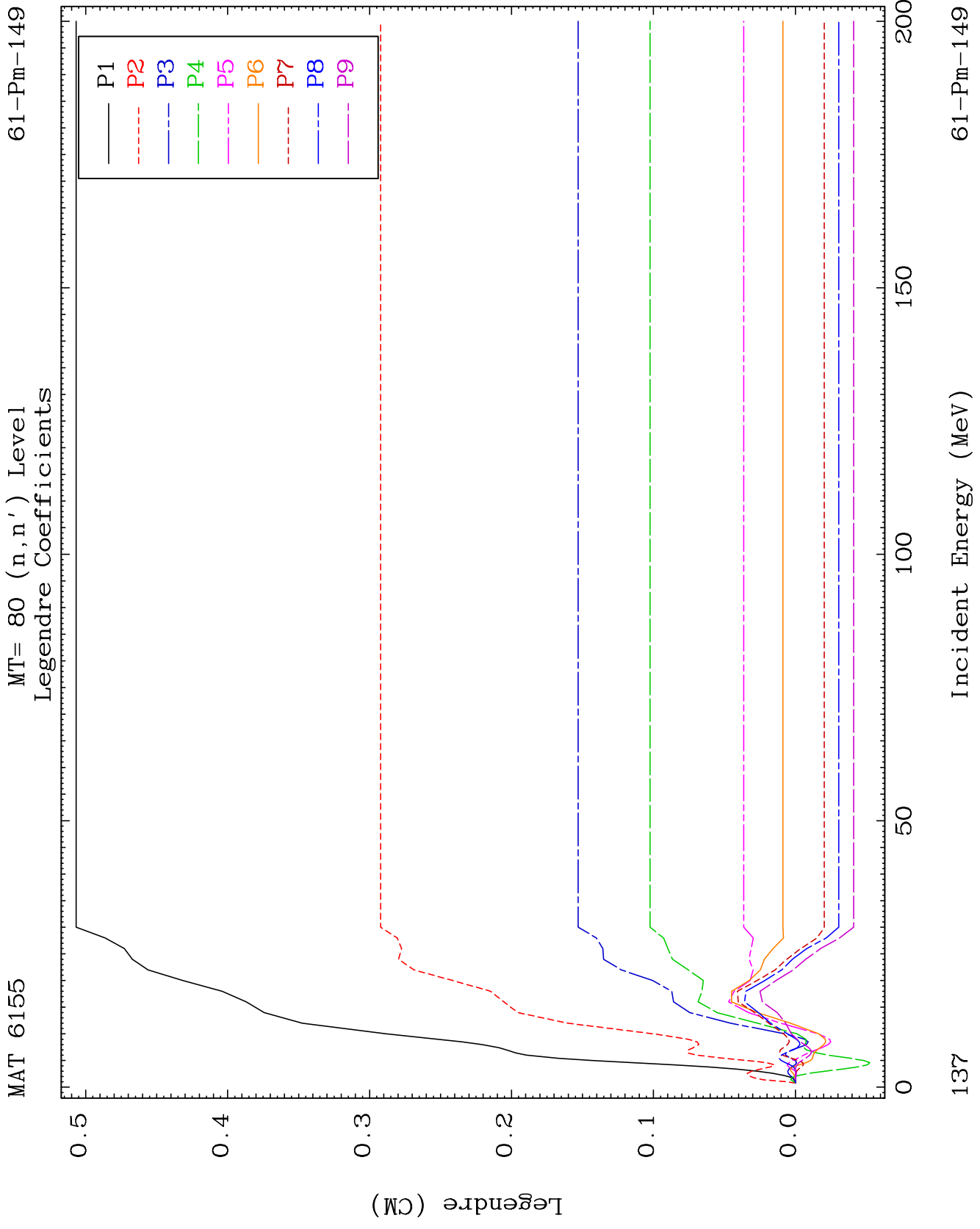


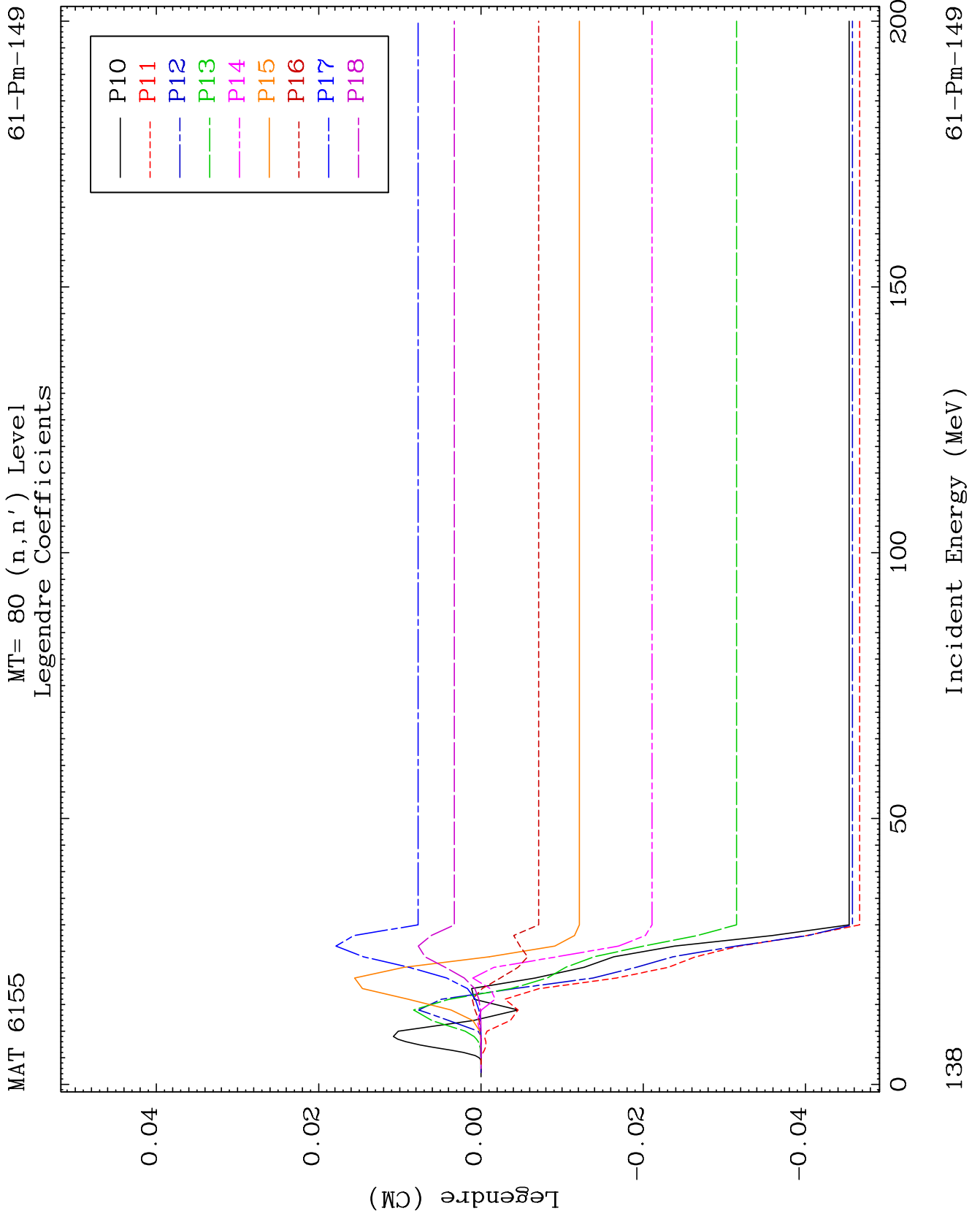
135

Incident Energy (MeV)

61-Pm-149



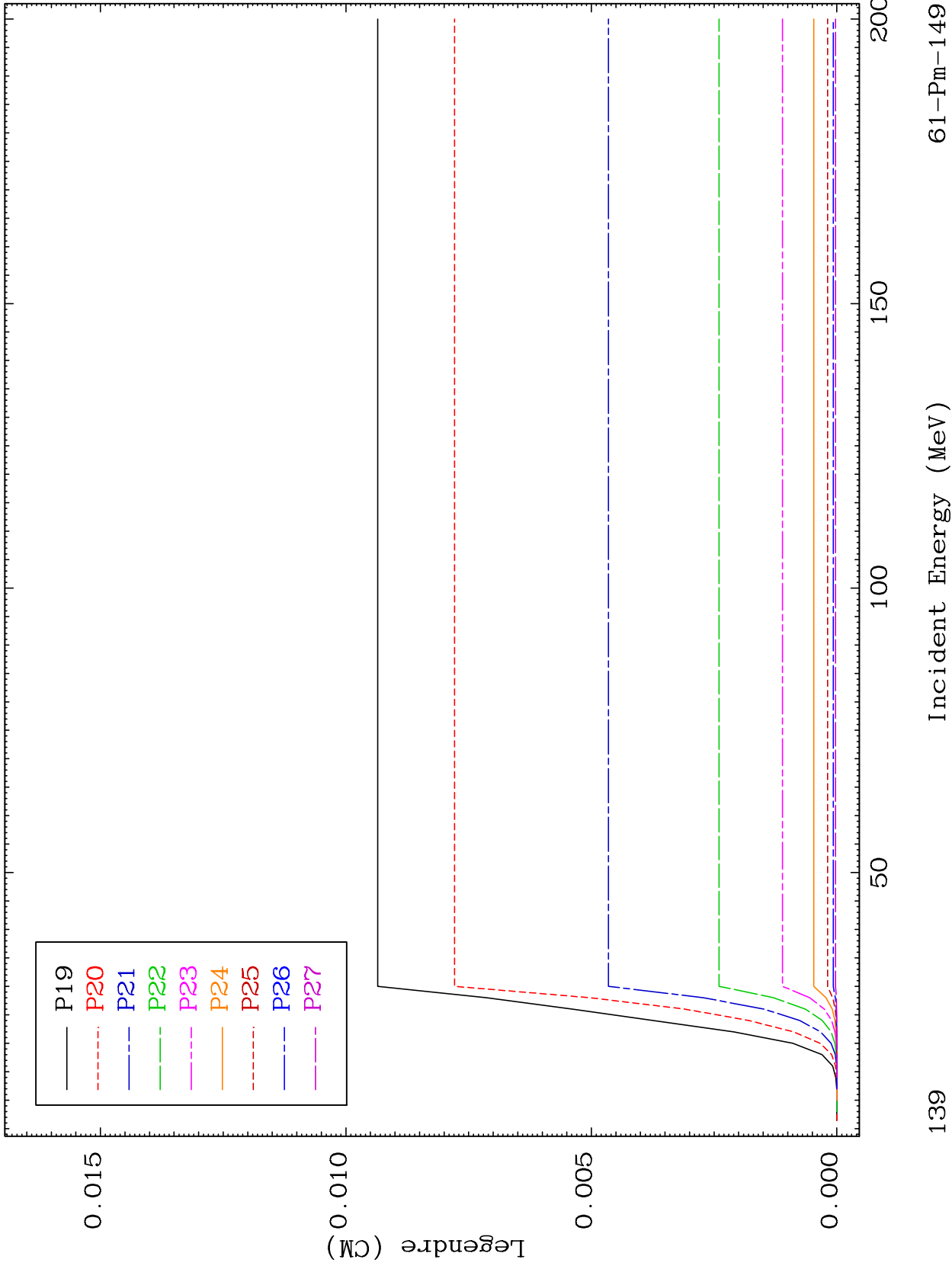




MAT 6155

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

61-Pm-149



139

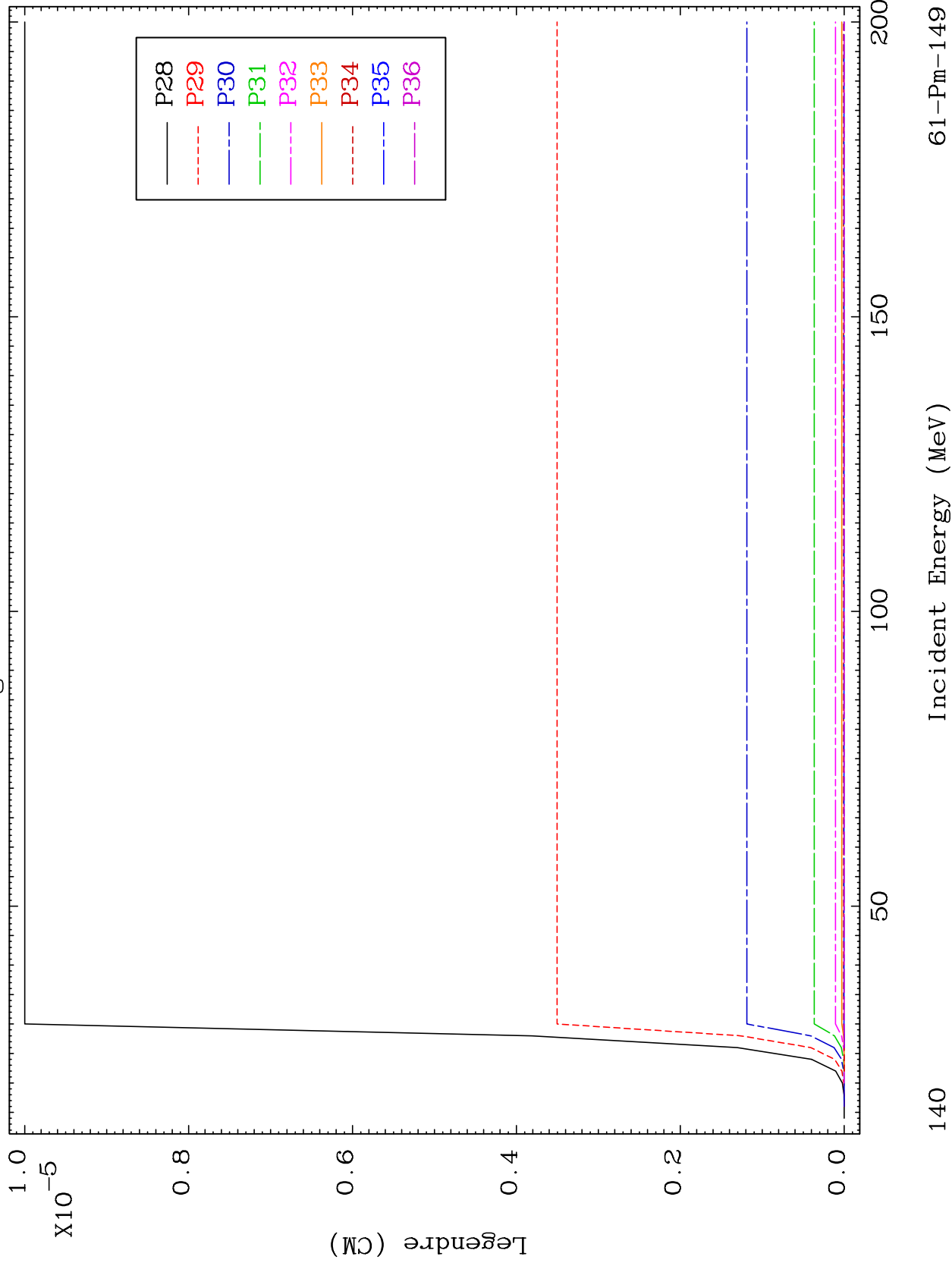
Incident Energy (MeV)

61-Pm-149

MAT 6155

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

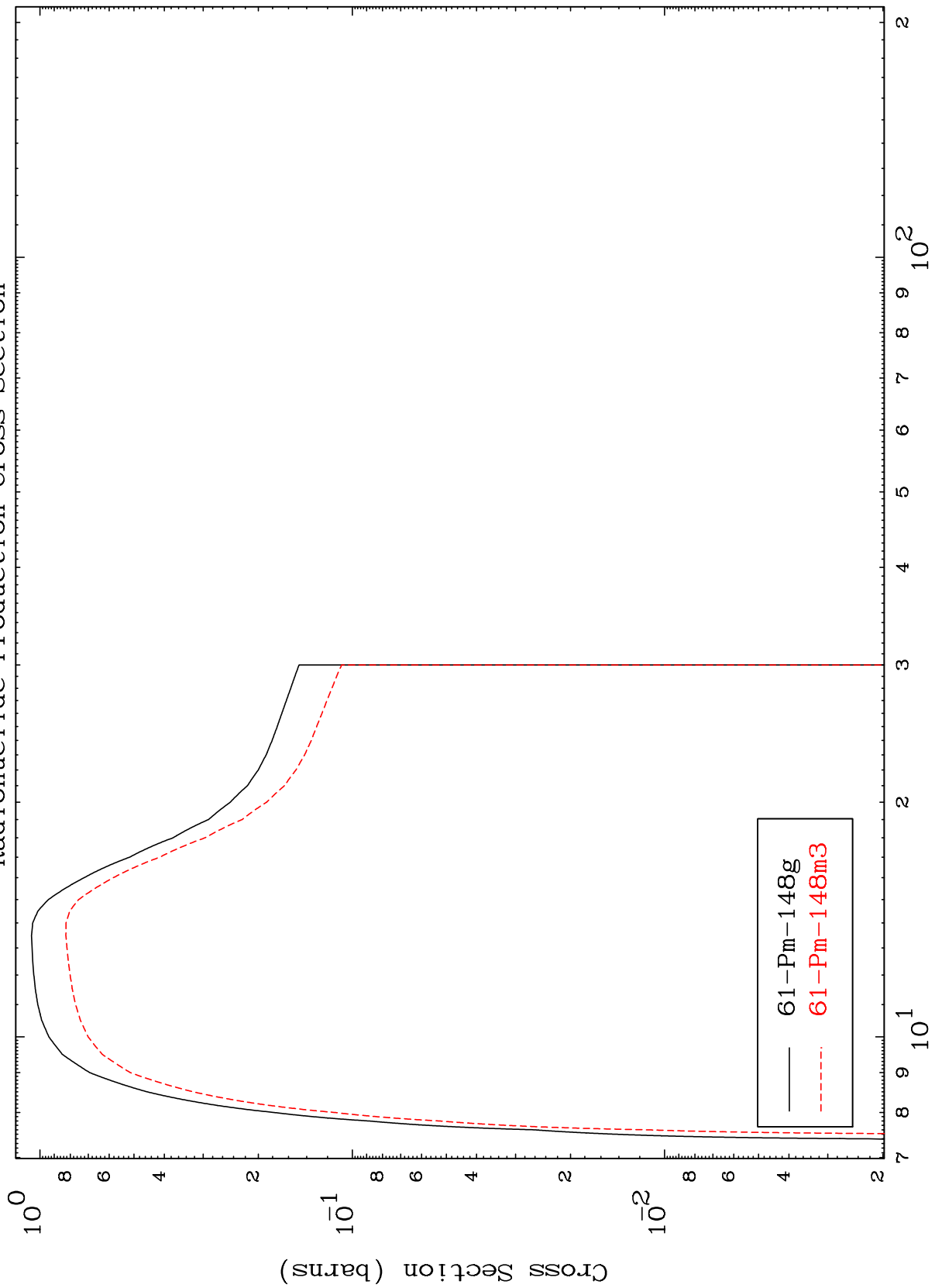
61-Pm-149



MAT 6155

61-Pm-149

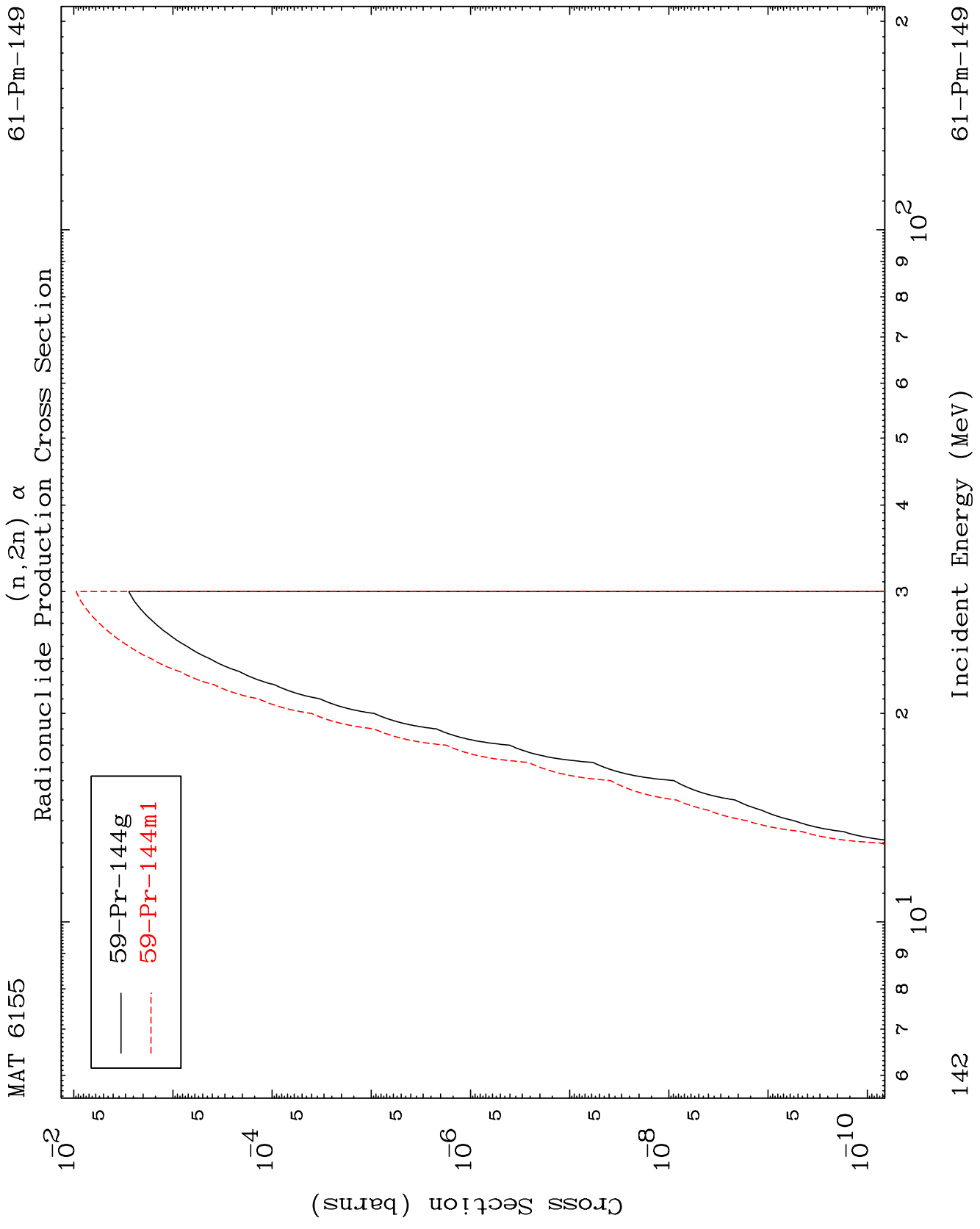
(n,2n)
Radionuclide Production Cross Section



141

Incident Energy (MeV)

61-Pm-149

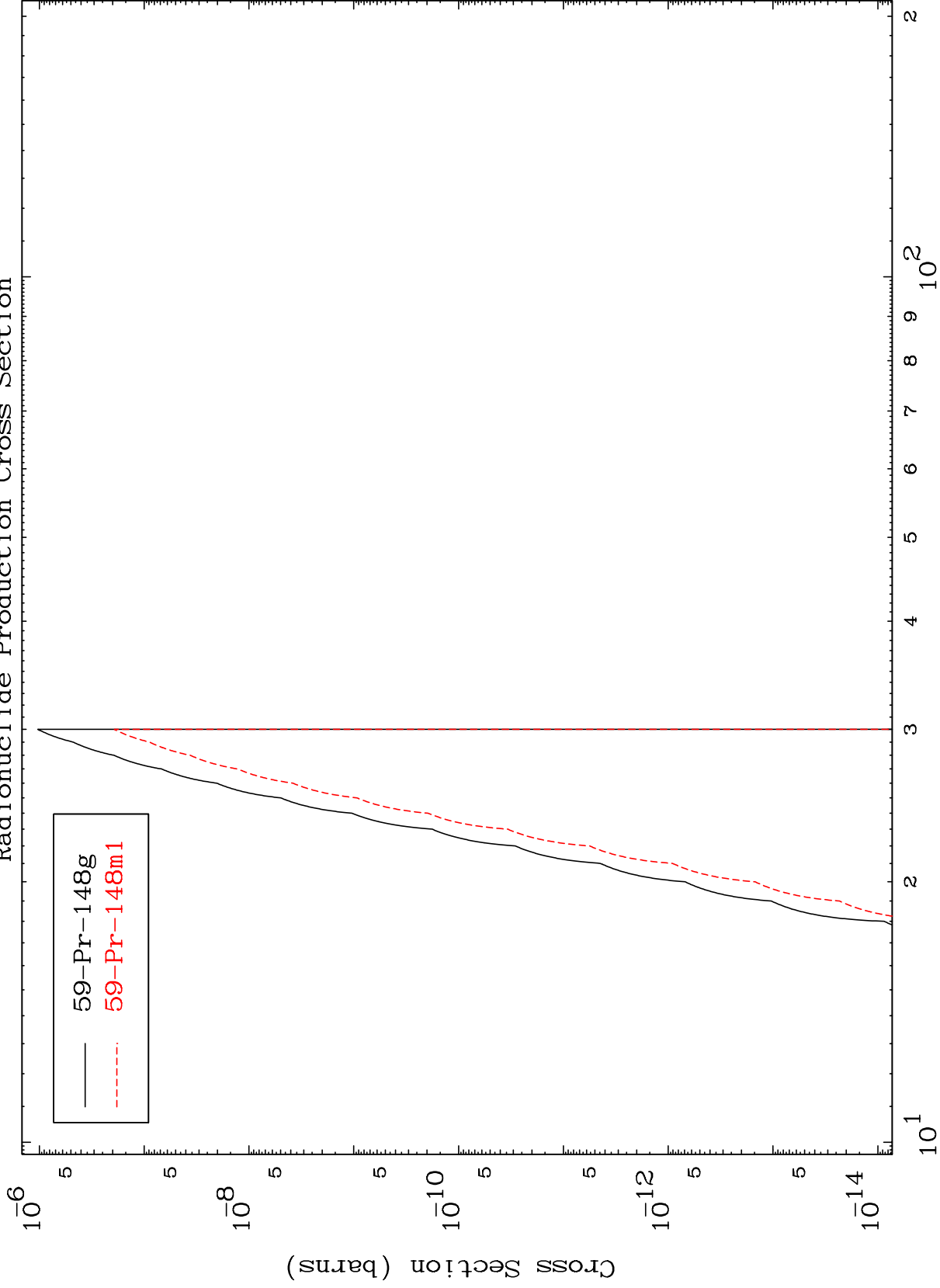


MAT 6155

(n,2p)

61-Pm-149

Radionuclide Production Cross Section



Incident Energy (MeV)

61-Pm-149

143