

Program EVALPLOT
(Version 2021-1)

by

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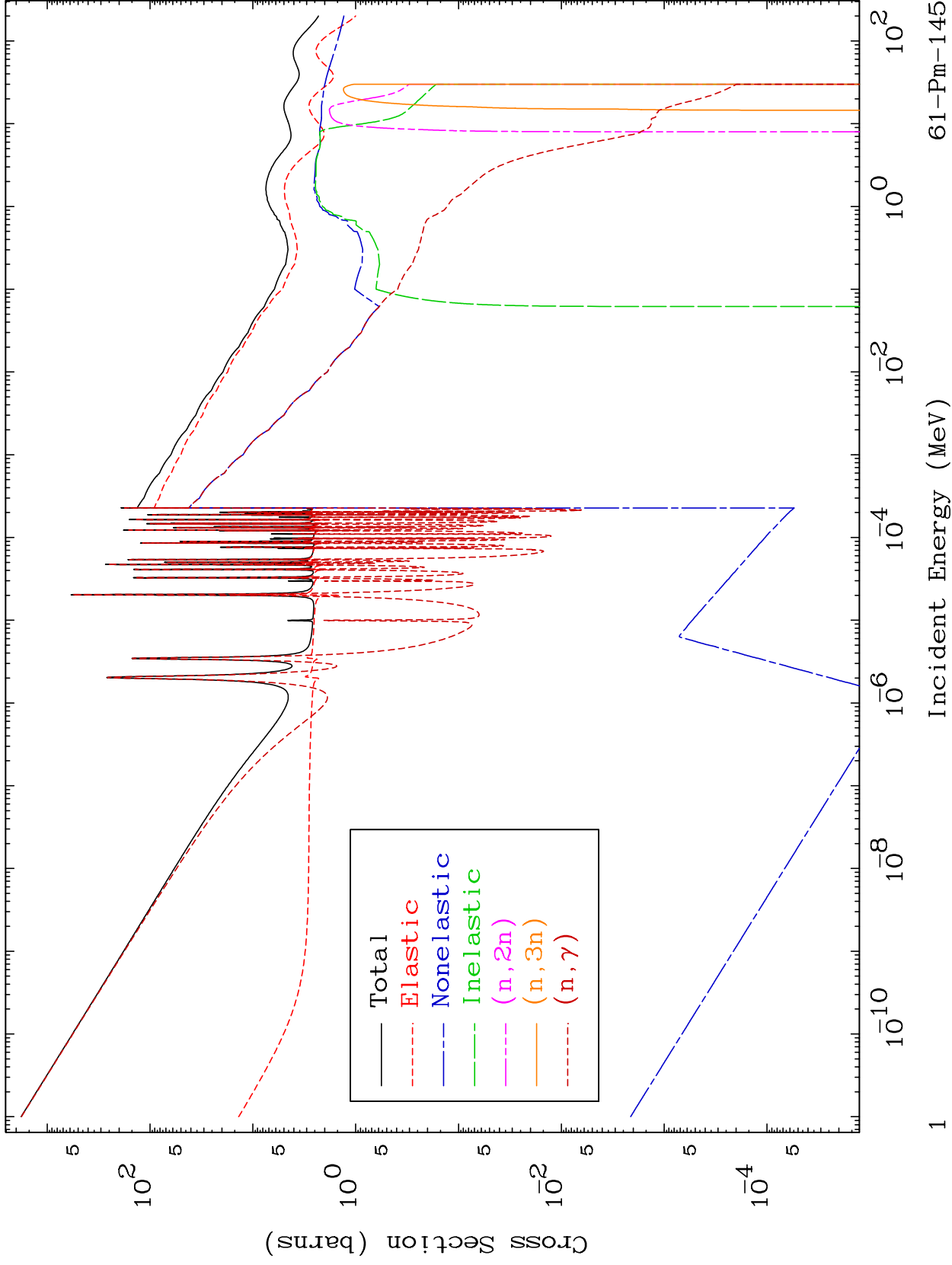
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Press Mouse Button to Start

MAT 6143

Neutron Major
293 Kelvin Cross Sections

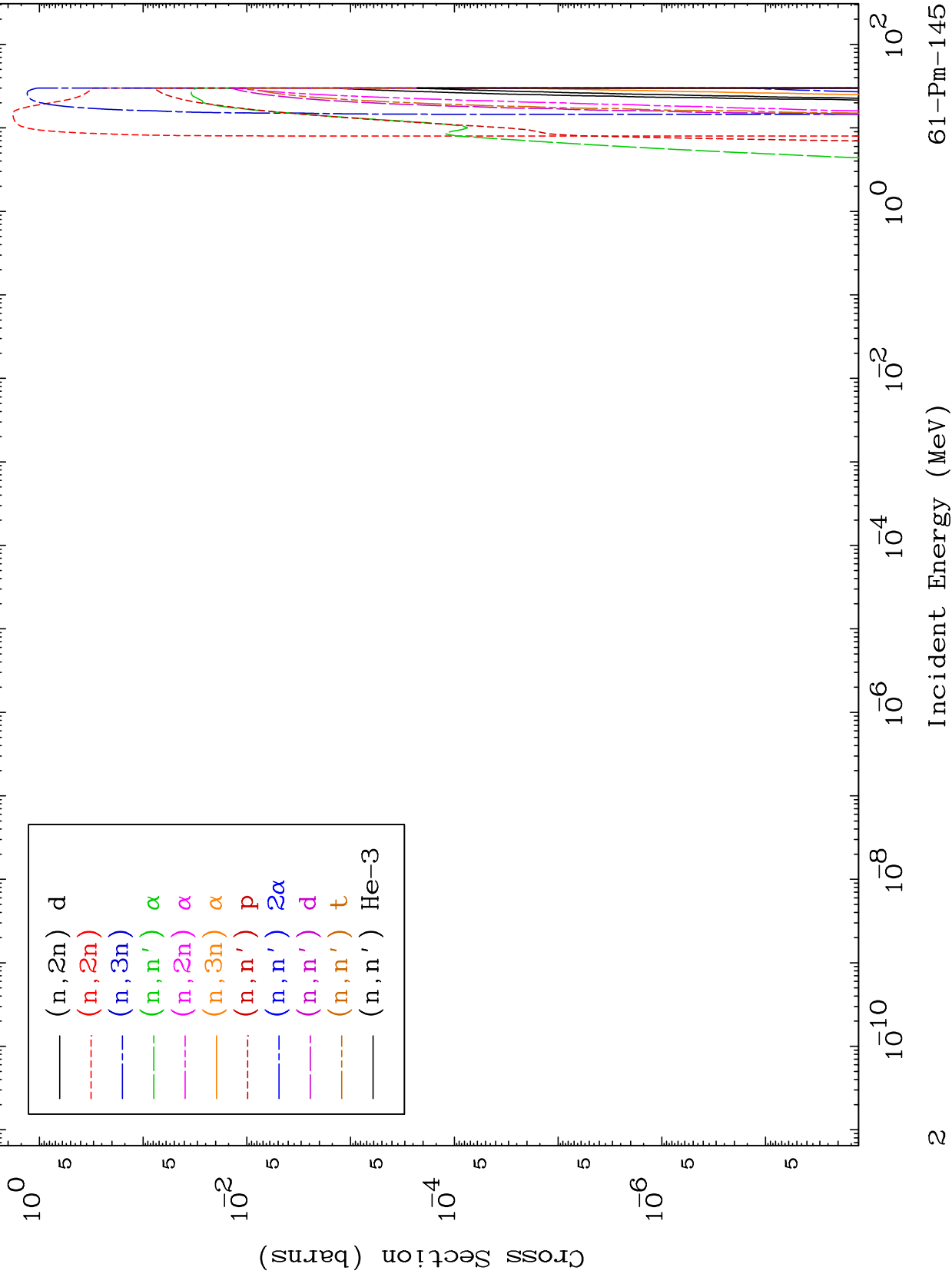
61-Pm-145



MAT 6143

Neutron Absorption
293 Kelvin Cross Sections

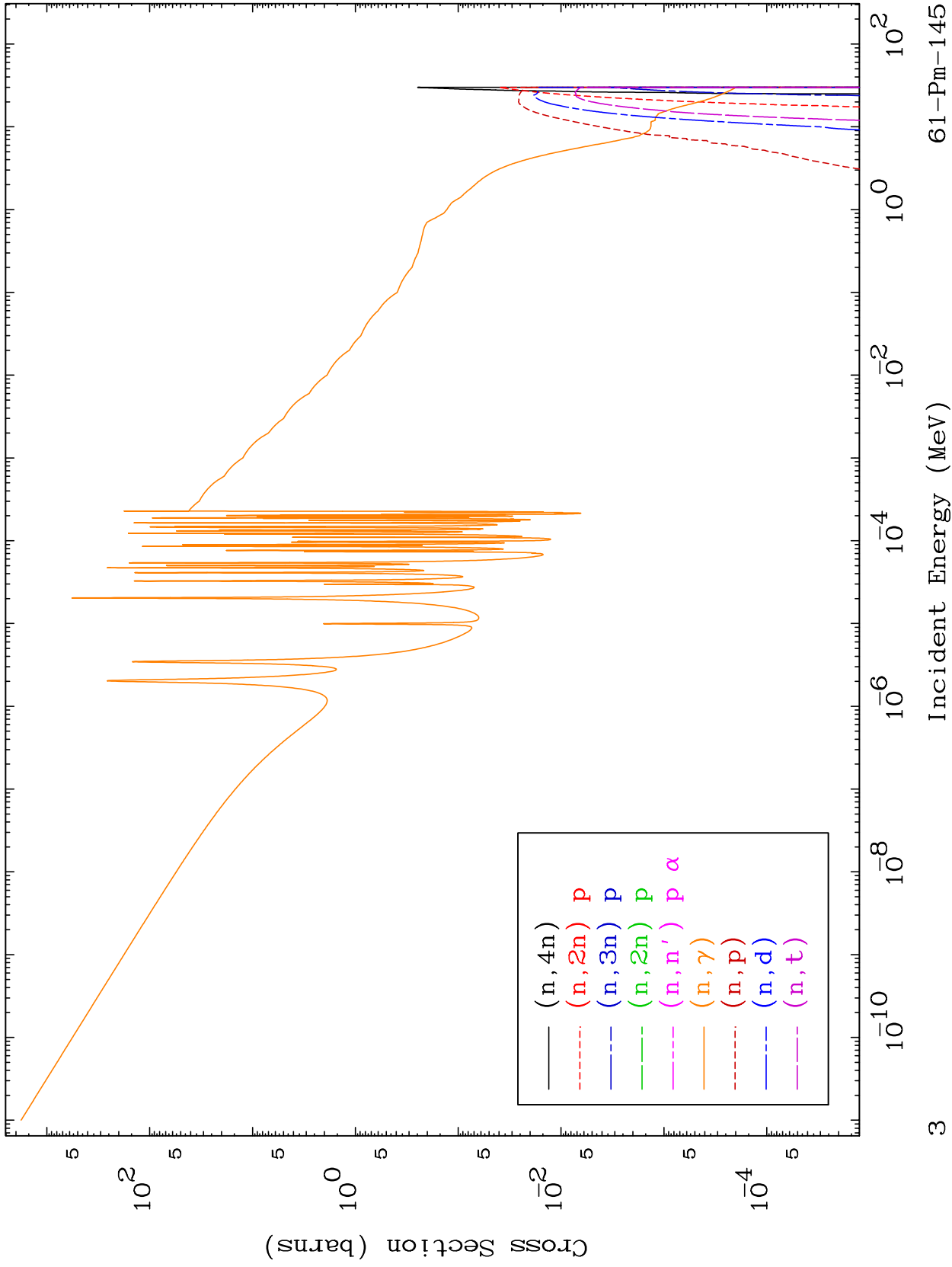
61-Pm-145



MAT 6143

Neutron Absorption
293 Kelvin Cross Sections

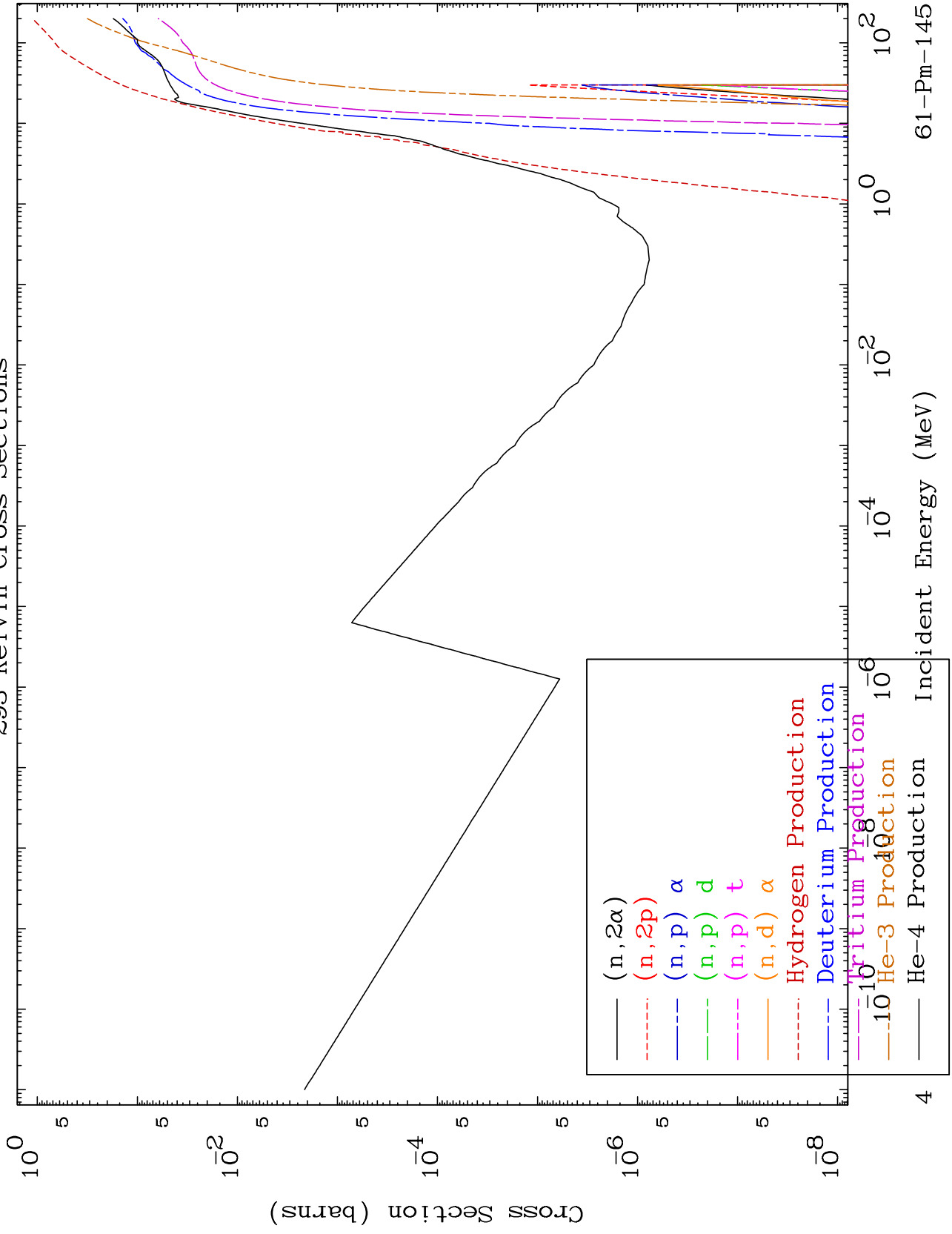
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MAT 6143

Neutron Absorption
293 Kelvin Cross Sections

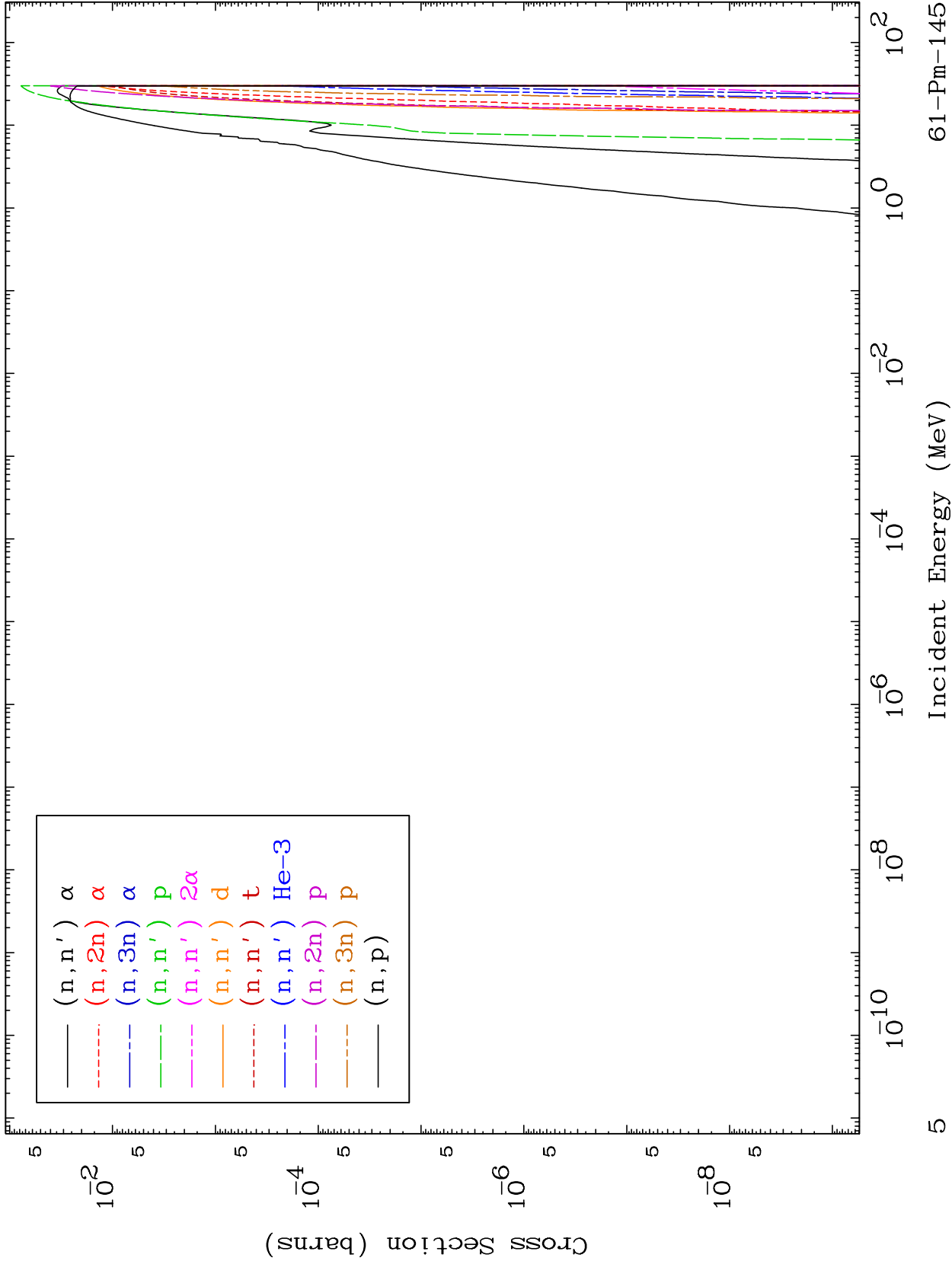
61-Pm-145



MAT 6143

Charged Particle
293 Kelvin Cross Sections

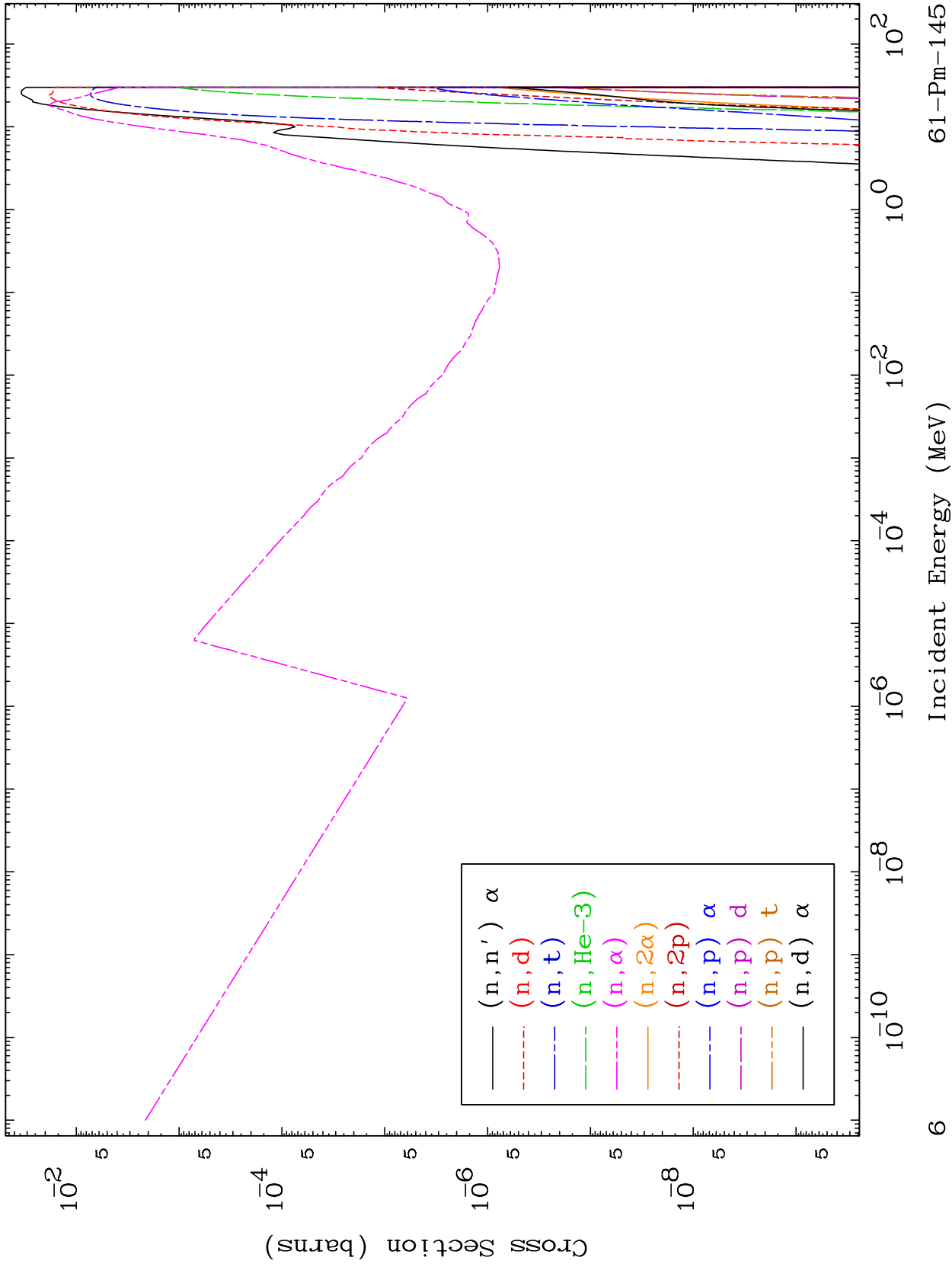
61-Pm-145



MAT 6143

Charged Particle
293 Kelvin Cross Sections

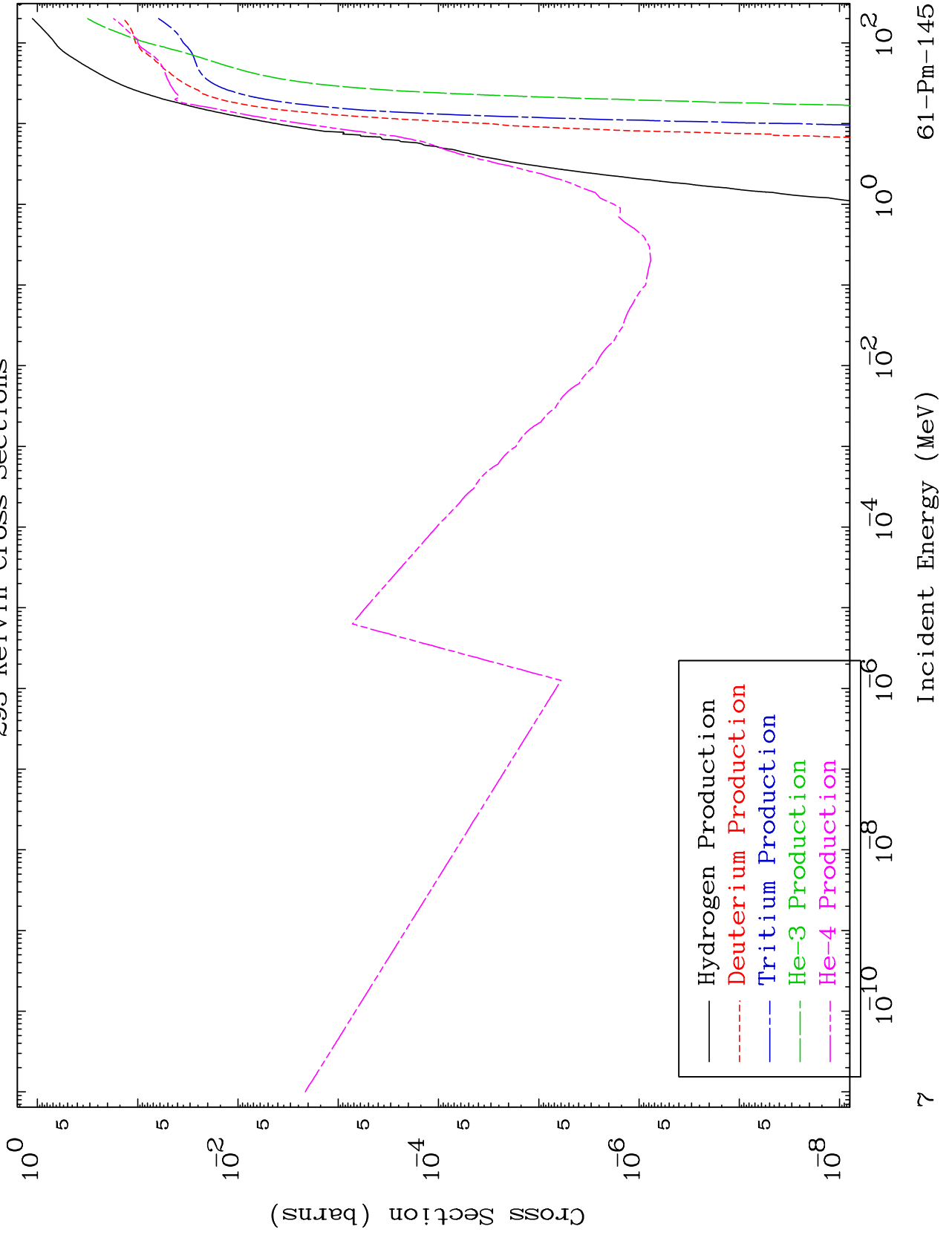
61-Pm-145



MAT 6143

Particle Production
293 Kelvin Cross Sections

61-Pm-145

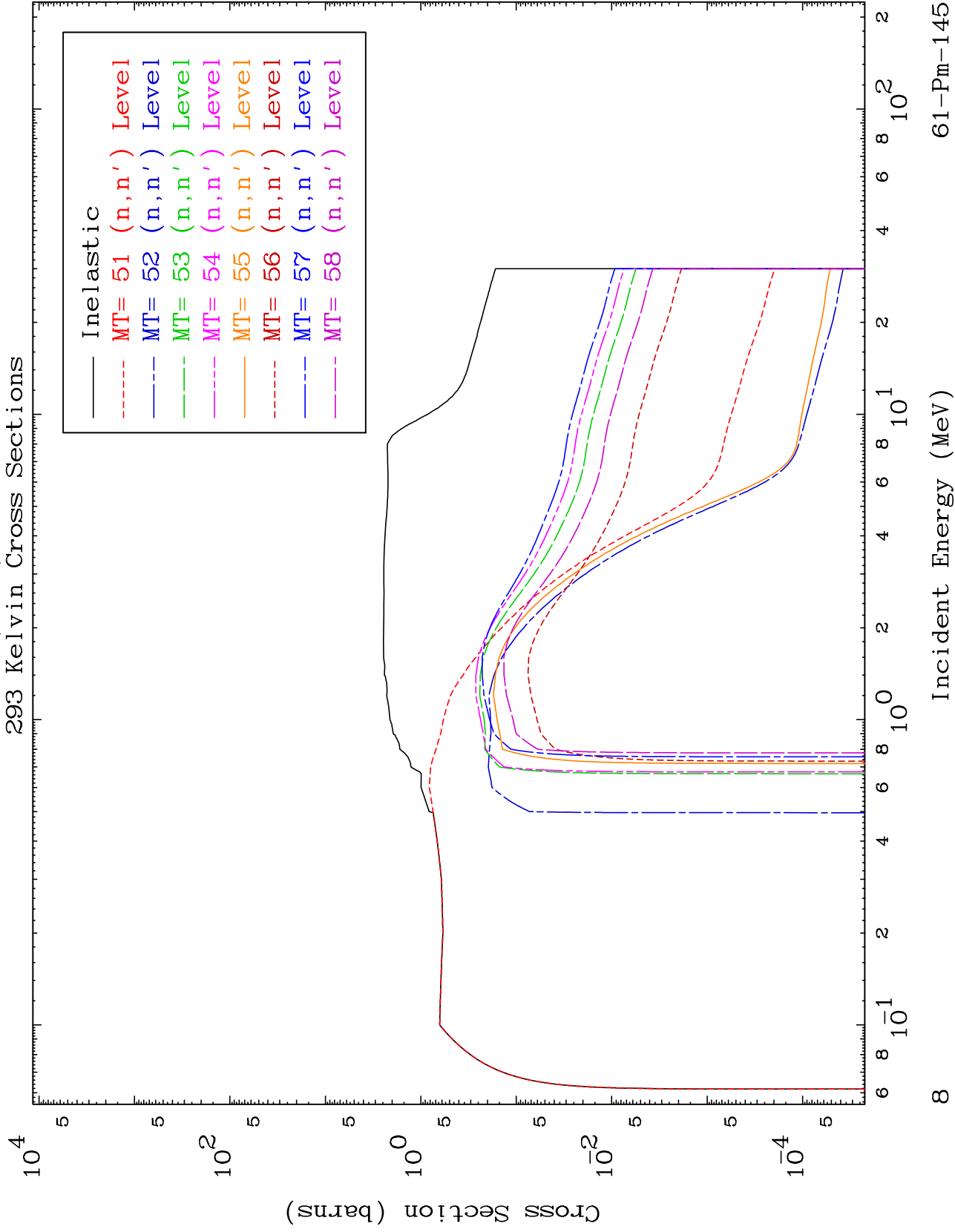


MAT 6143

(n,n') Levels

61-Pm-145

293 Kelvin Cross Sections



8

Incident Energy (MeV)

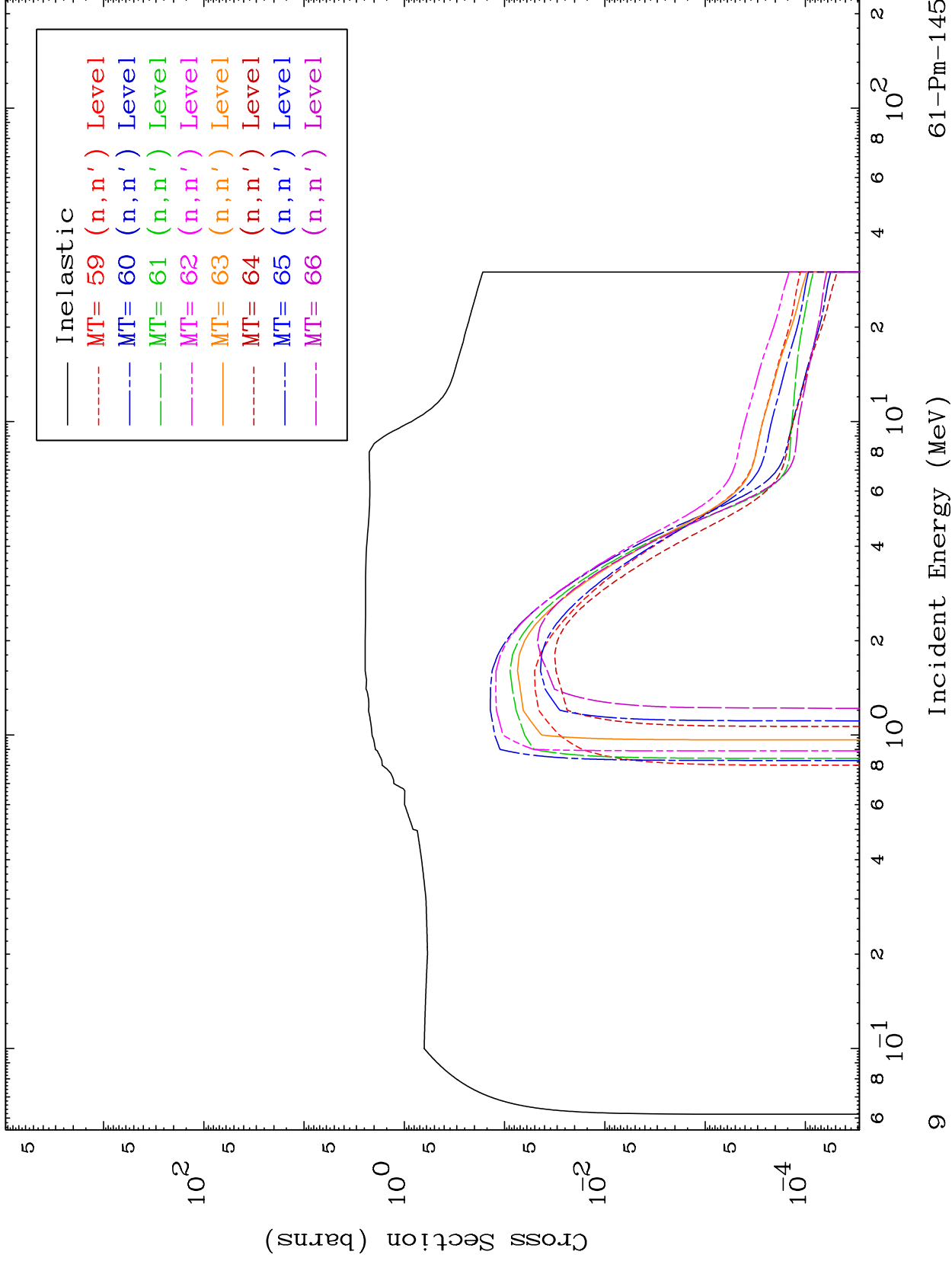
61-Pm-145

MAT 6143

(n,n') Levels

61-Pm-145

293 Kelvin Cross Sections

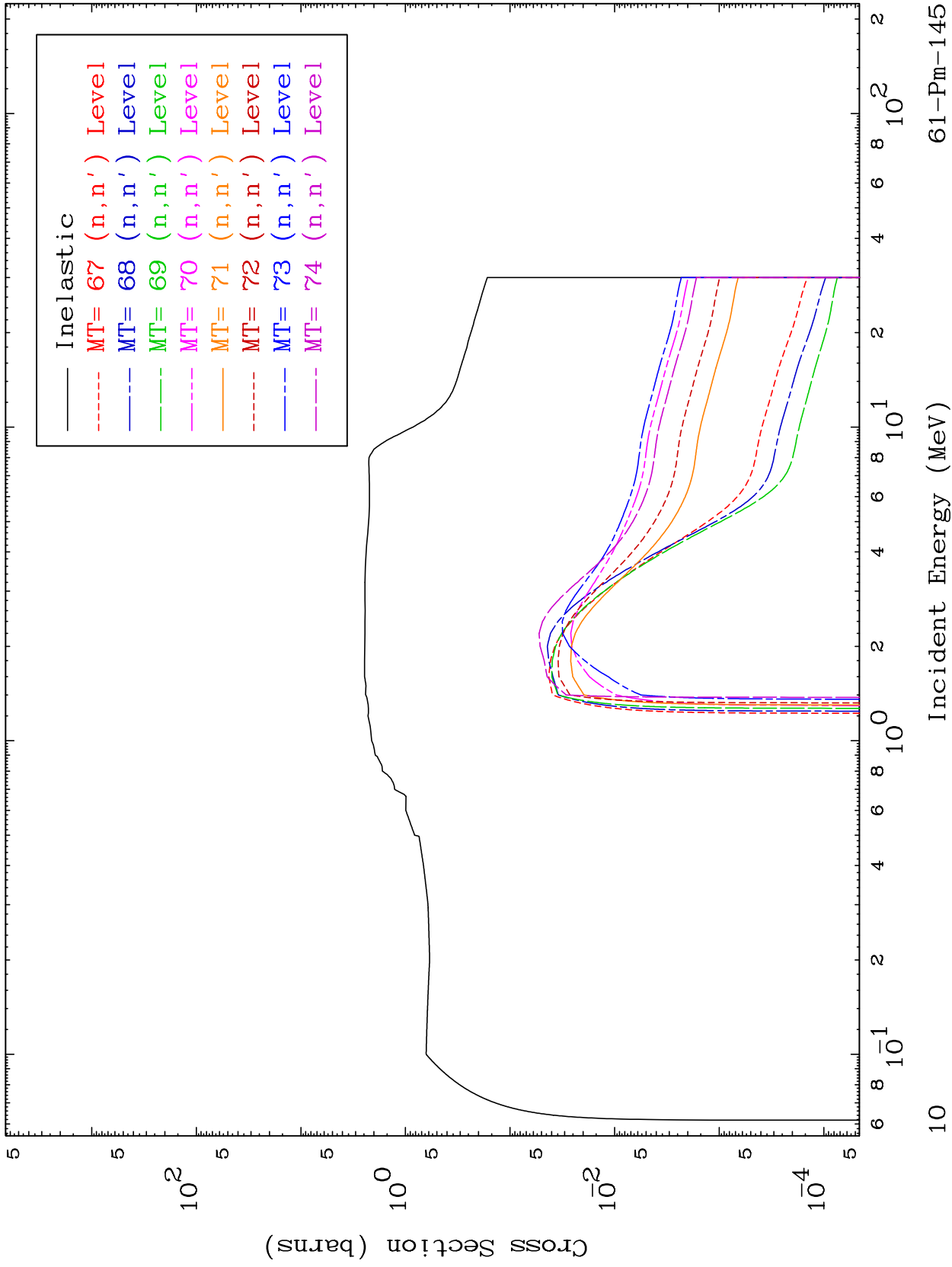


MAT 6143

(n,n') Levels

61-Pm-145

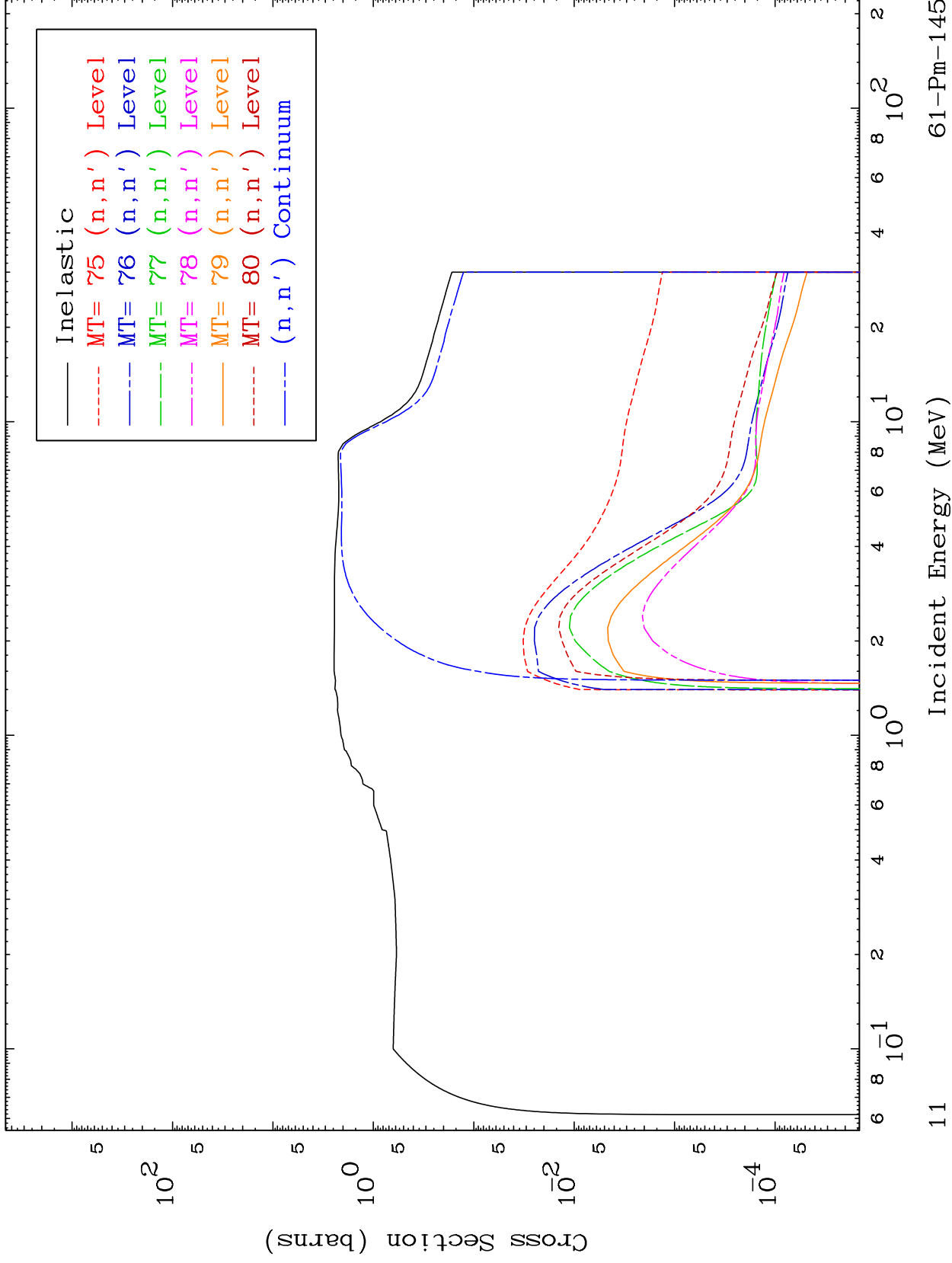
293 Kelvin Cross Sections



10

Incident Energy (MeV)

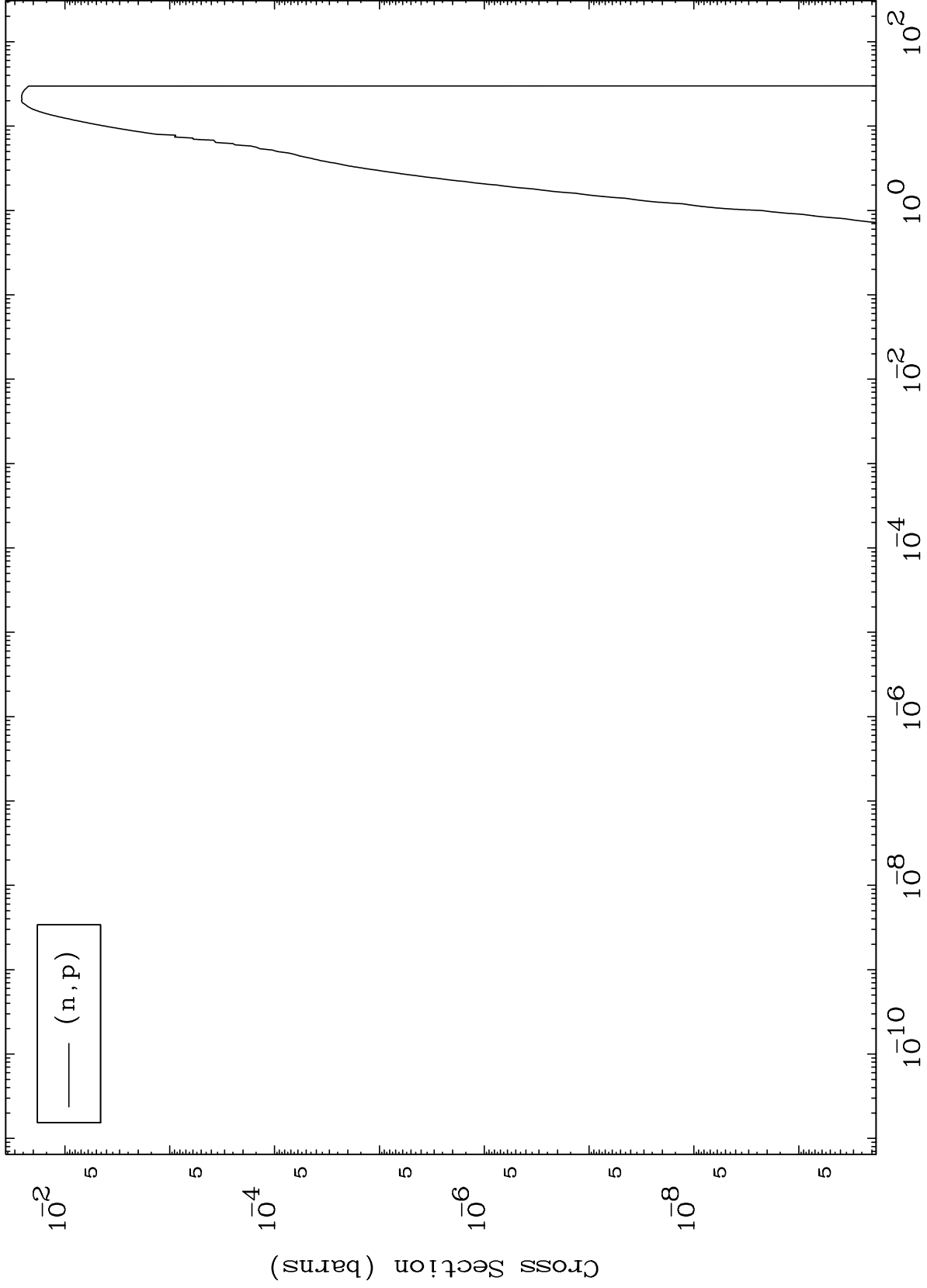
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MAT 6143

(n,p) Levels
293 Kelvin Cross Sections

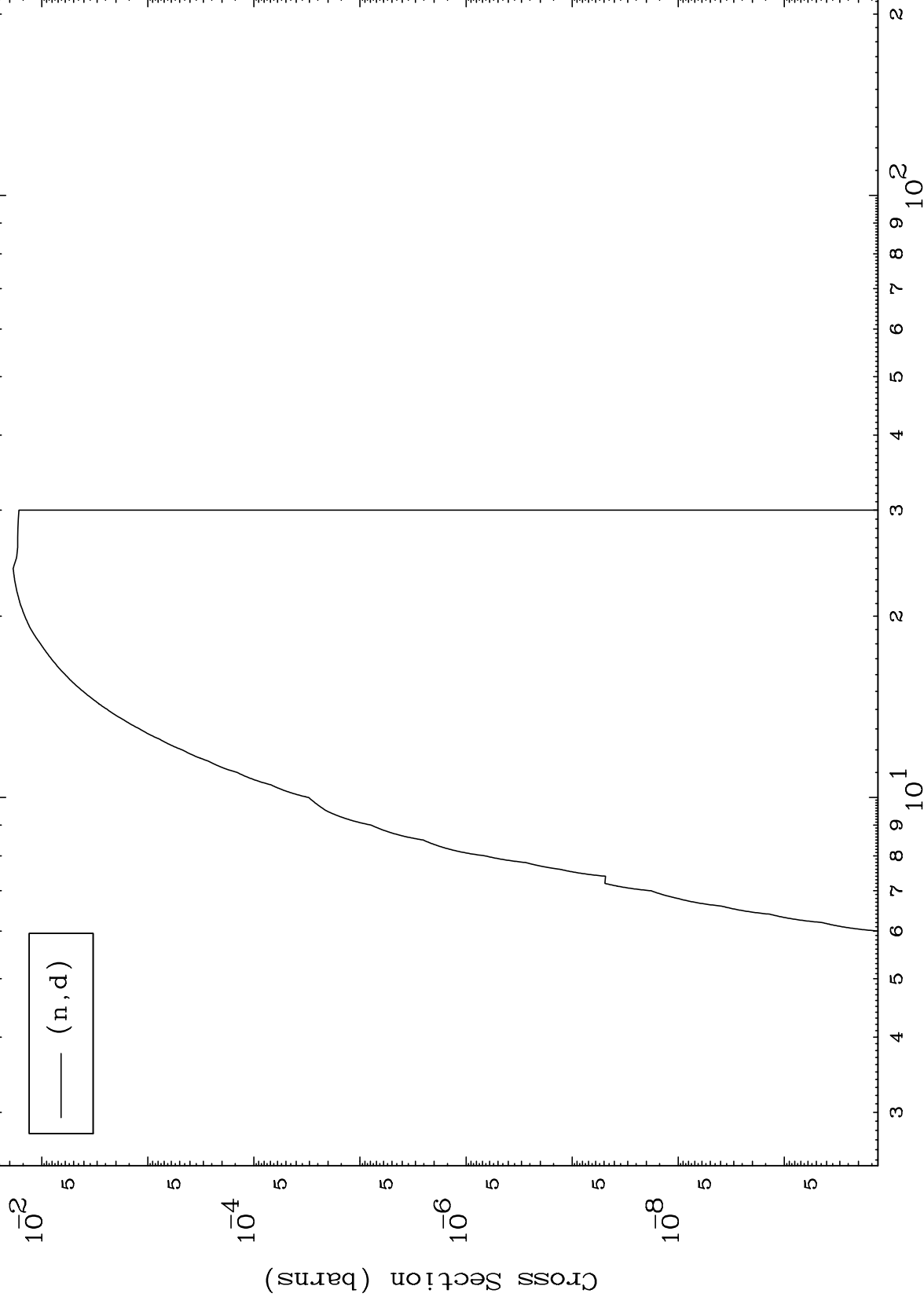
61-Pm-145



MAT 6143

(n,d) Levels
293 Kelvin Cross Sections

61-Pm-145



(n,d)

13

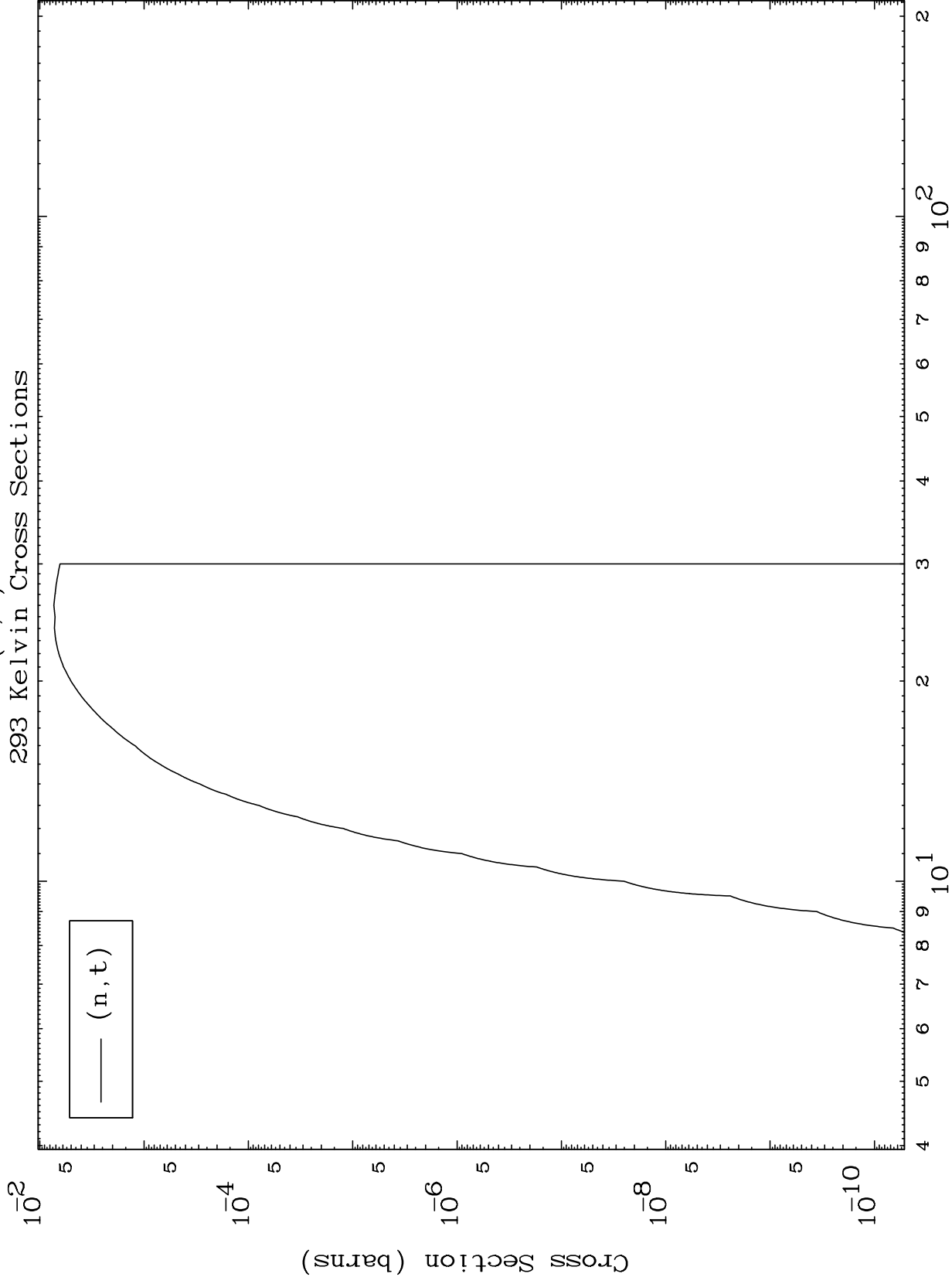
Incident Energy (MeV)

61-Pm-145

MAT 6143

(n,t) Levels
293 Kelvin Cross Sections

61-Pm-145



14

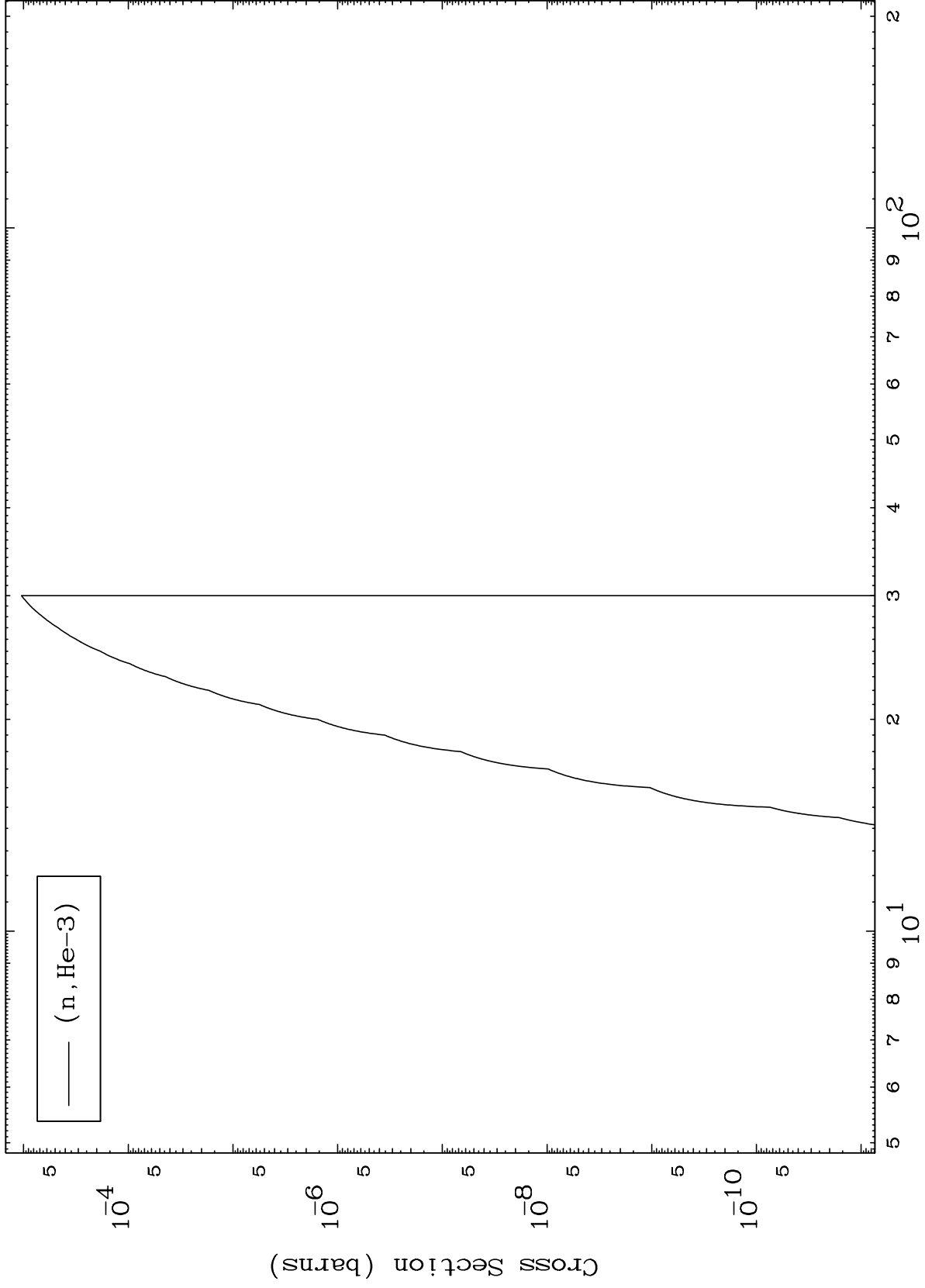
Incident Energy (MeV)

61-Pm-145

MAT 6143

(n,He3) Levels
293 Kelvin Cross Sections

61-Pm-145



15

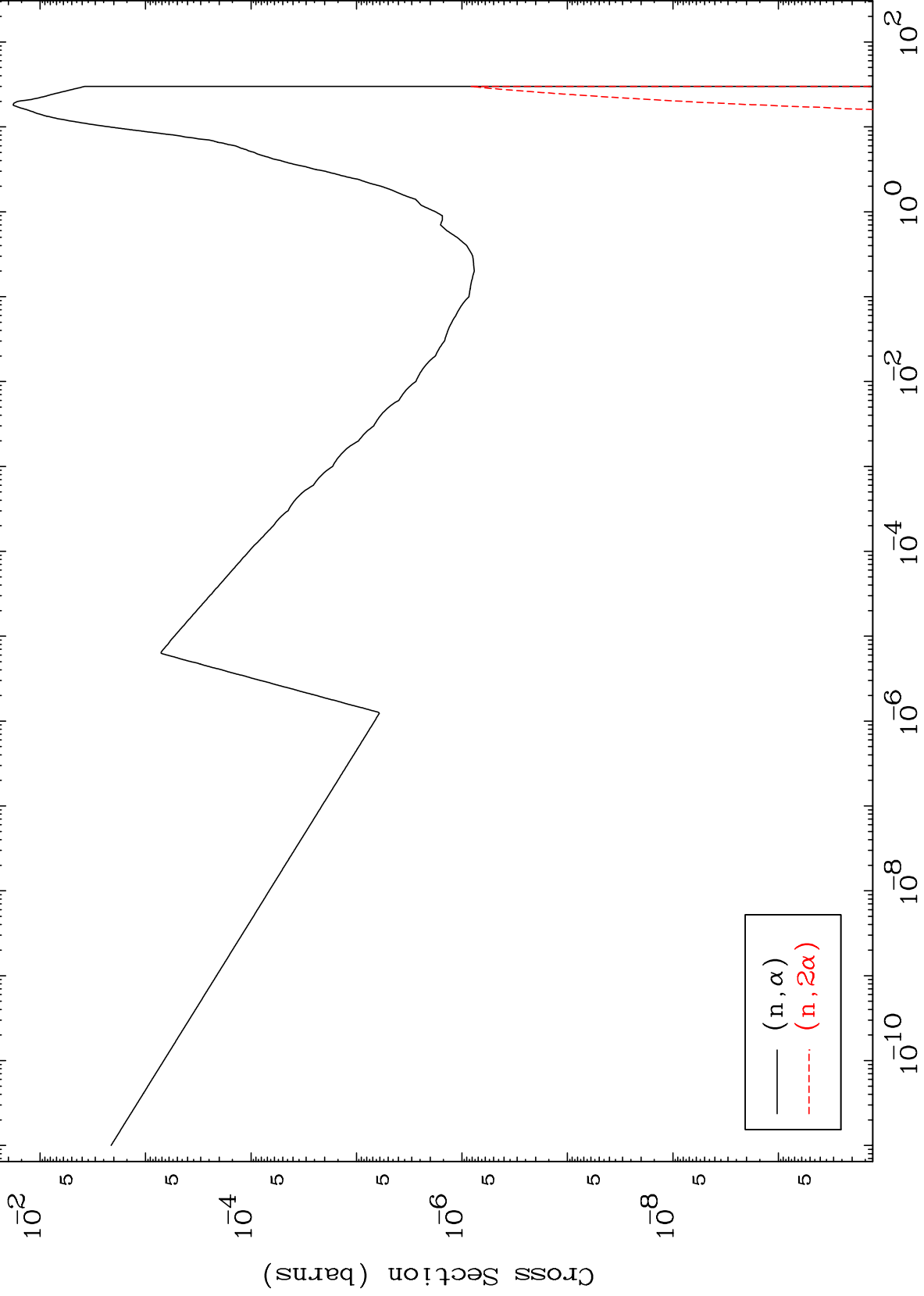
Incident Energy (MeV)

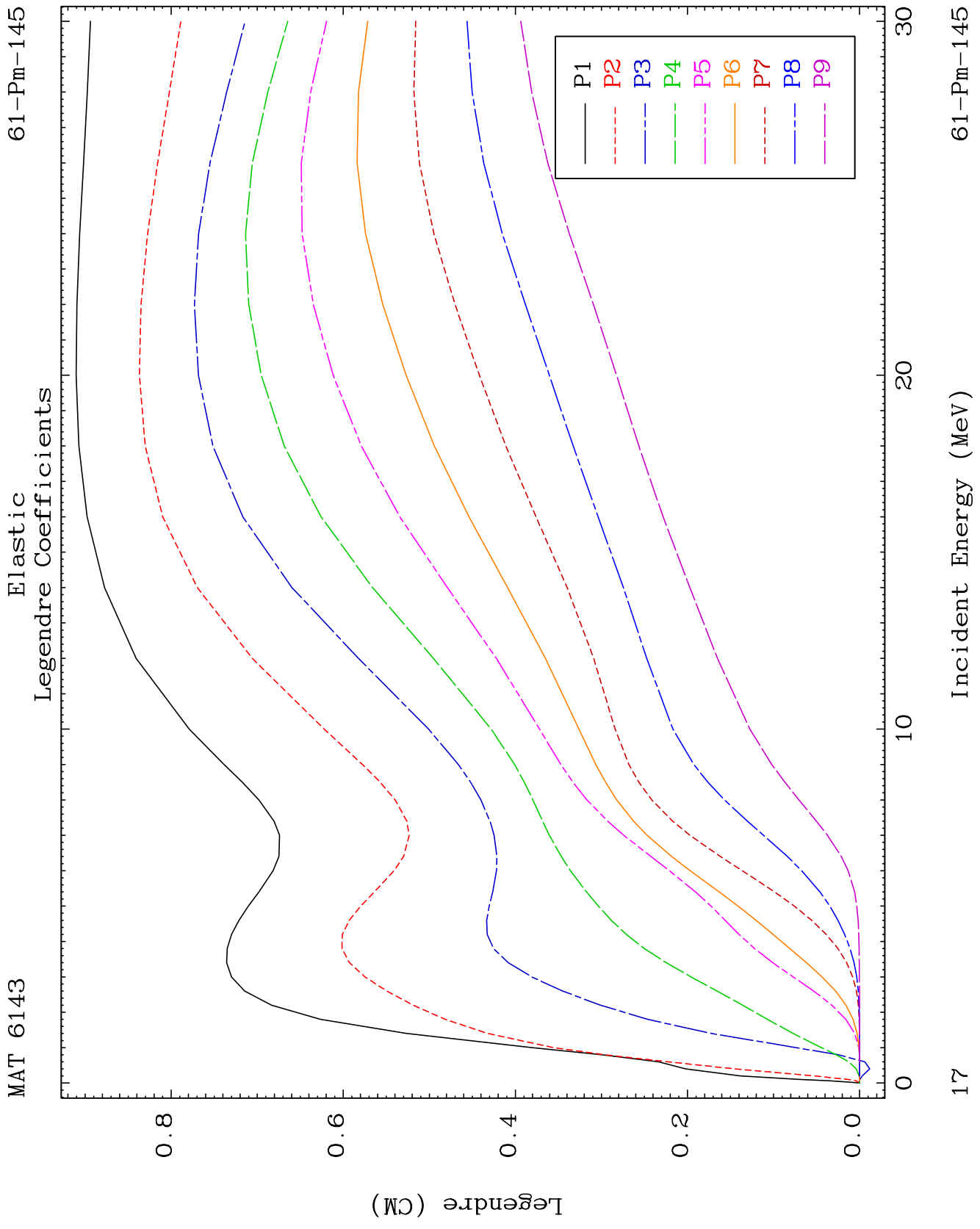
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MAT 6143

(n, α) Levels
293 Kelvin Cross Sections

61-Pm-145

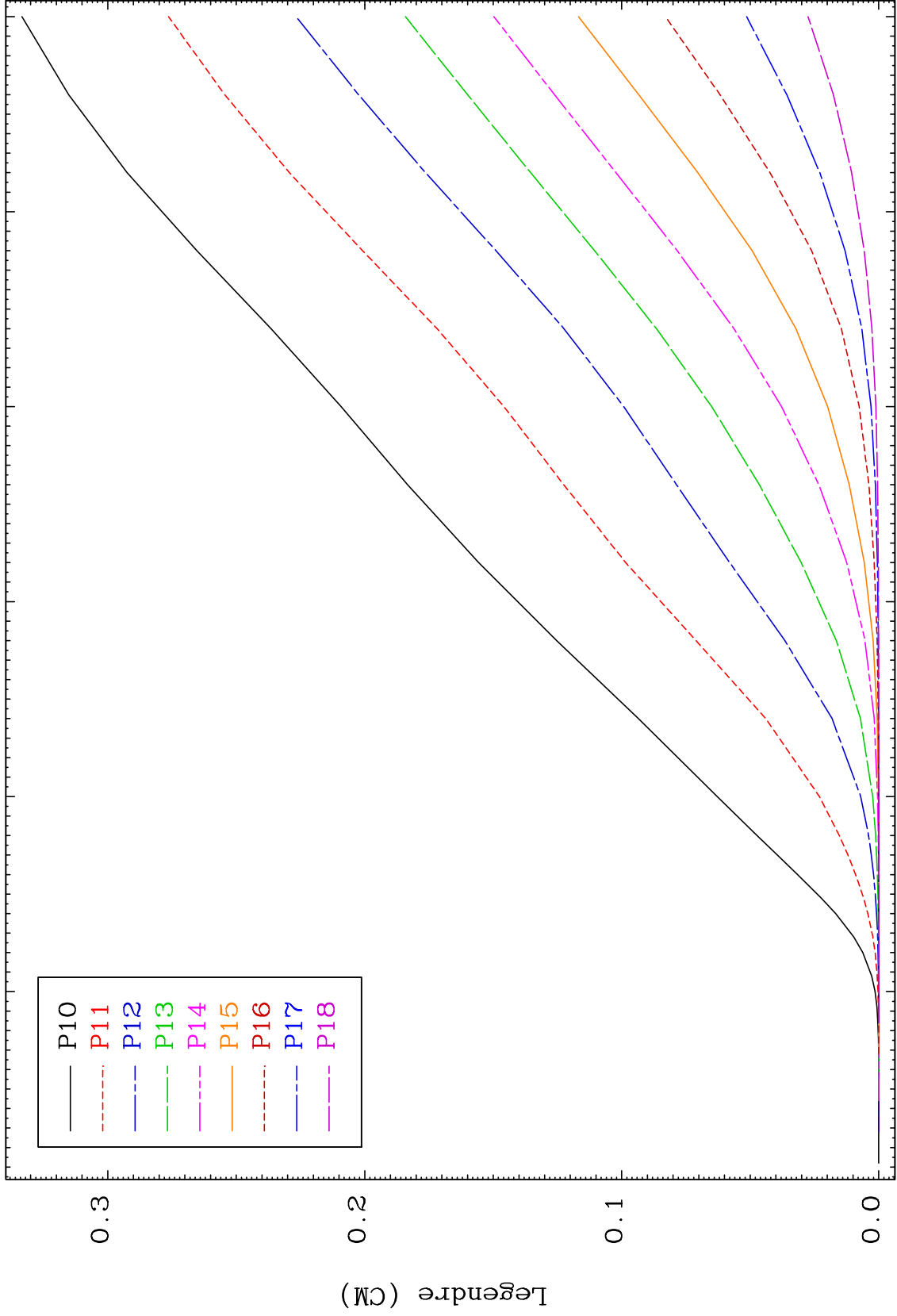




MAT 6143

Elastic Legendre Coefficients

61-Pm-145



18

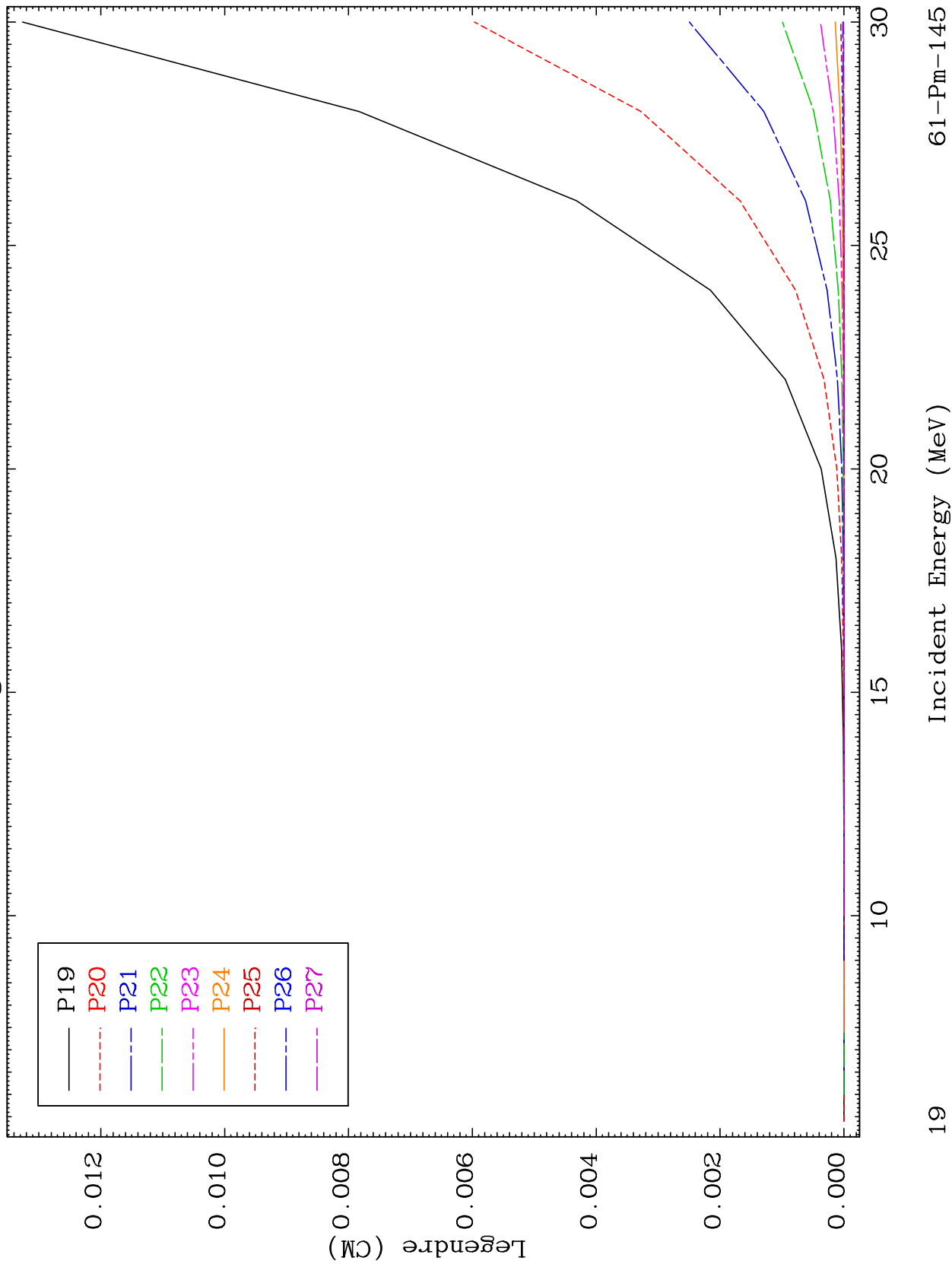
Incident Energy (MeV)

61-Pm-145

MAT 6143

Elastic Legendre Coefficients

61-Pm-145



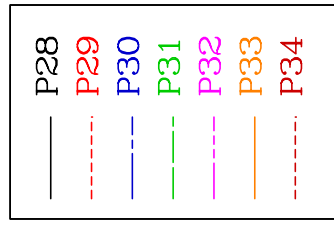
19

61-Pm-145

MAT 6143

Elastic
Legendre Coefficients

61-Pm-145



$\times 10^{-6}$

1.5

1.0

0.5

0.0

Legendre (CM)

15

20

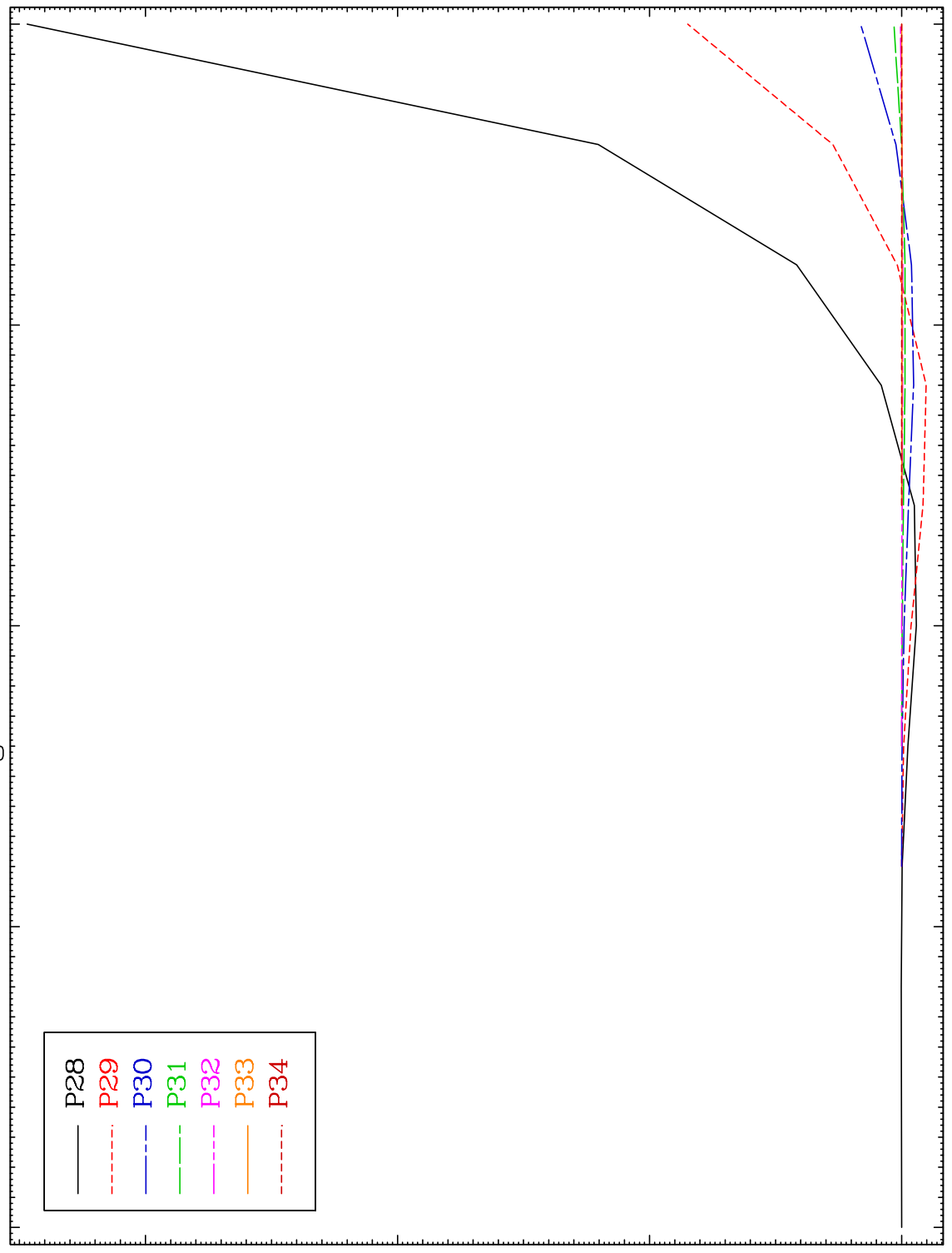
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30

20

Incident Energy (MeV)

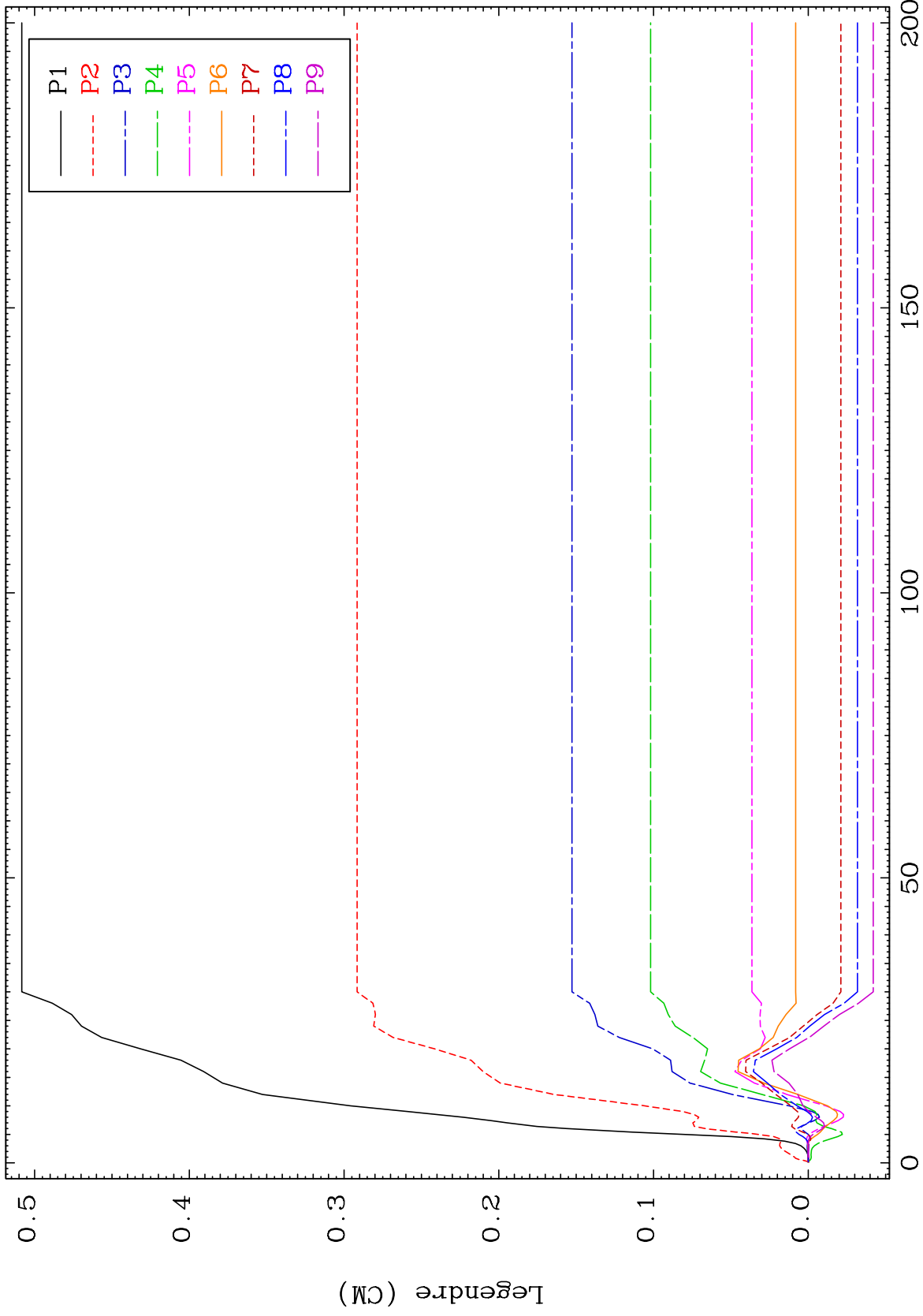
61-Pm-145



MAT 6143

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

61-Pm-145



21

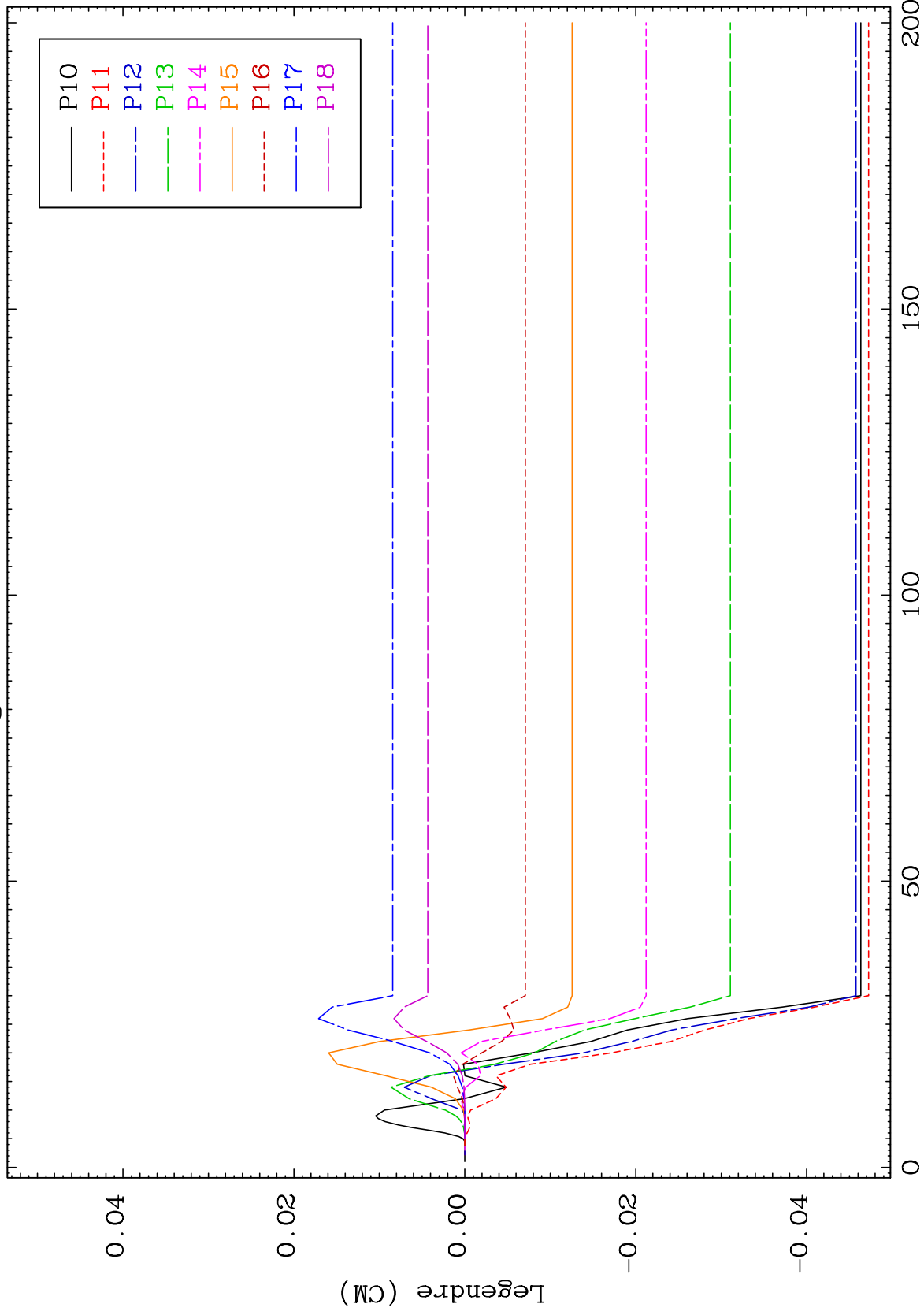
Incident Energy (MeV)

61-Pm-145

MAT 6143

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

61-Pm-145



22

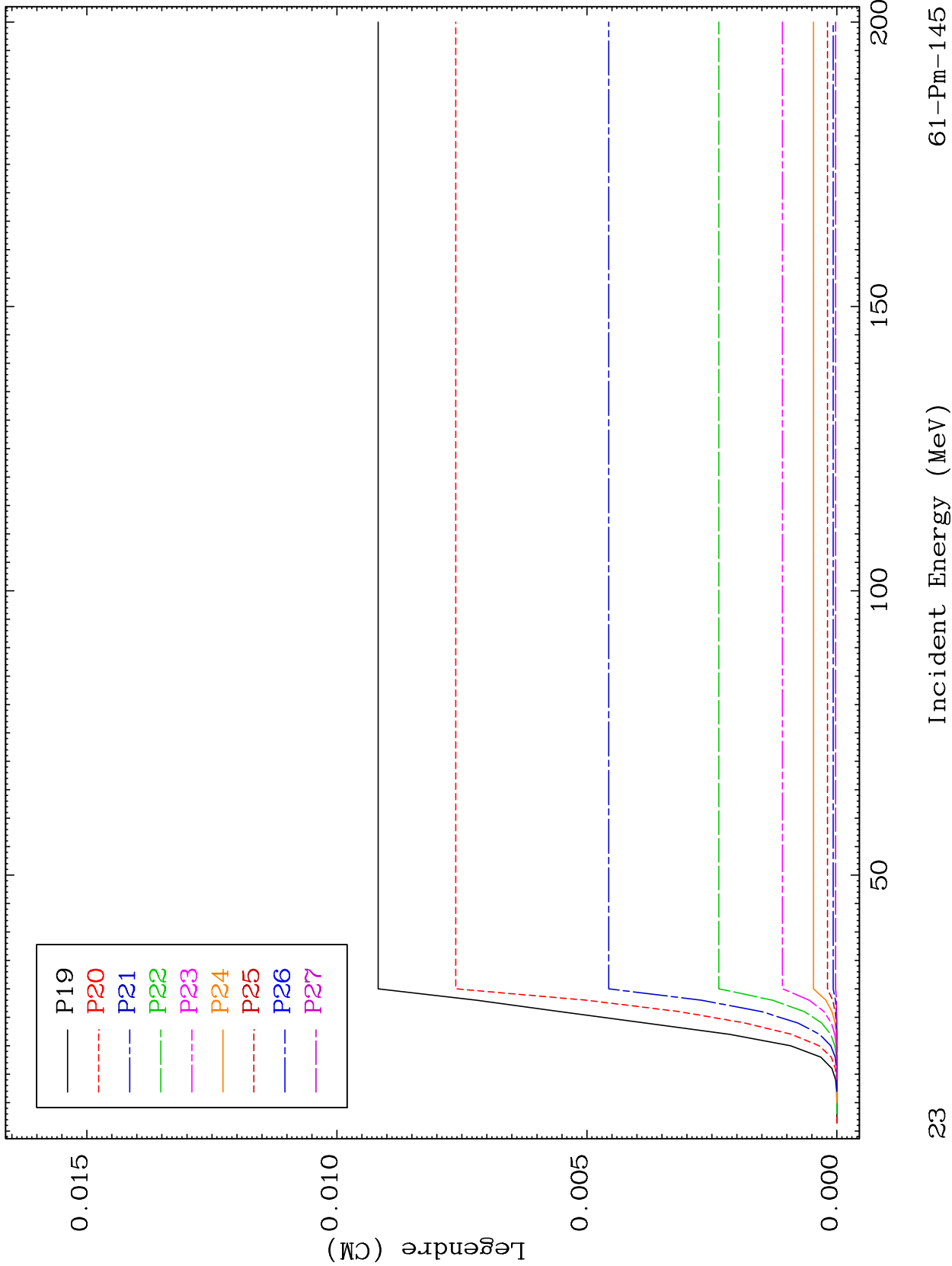
Incident Energy (MeV)

61-Pm-145

MAT 6143

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

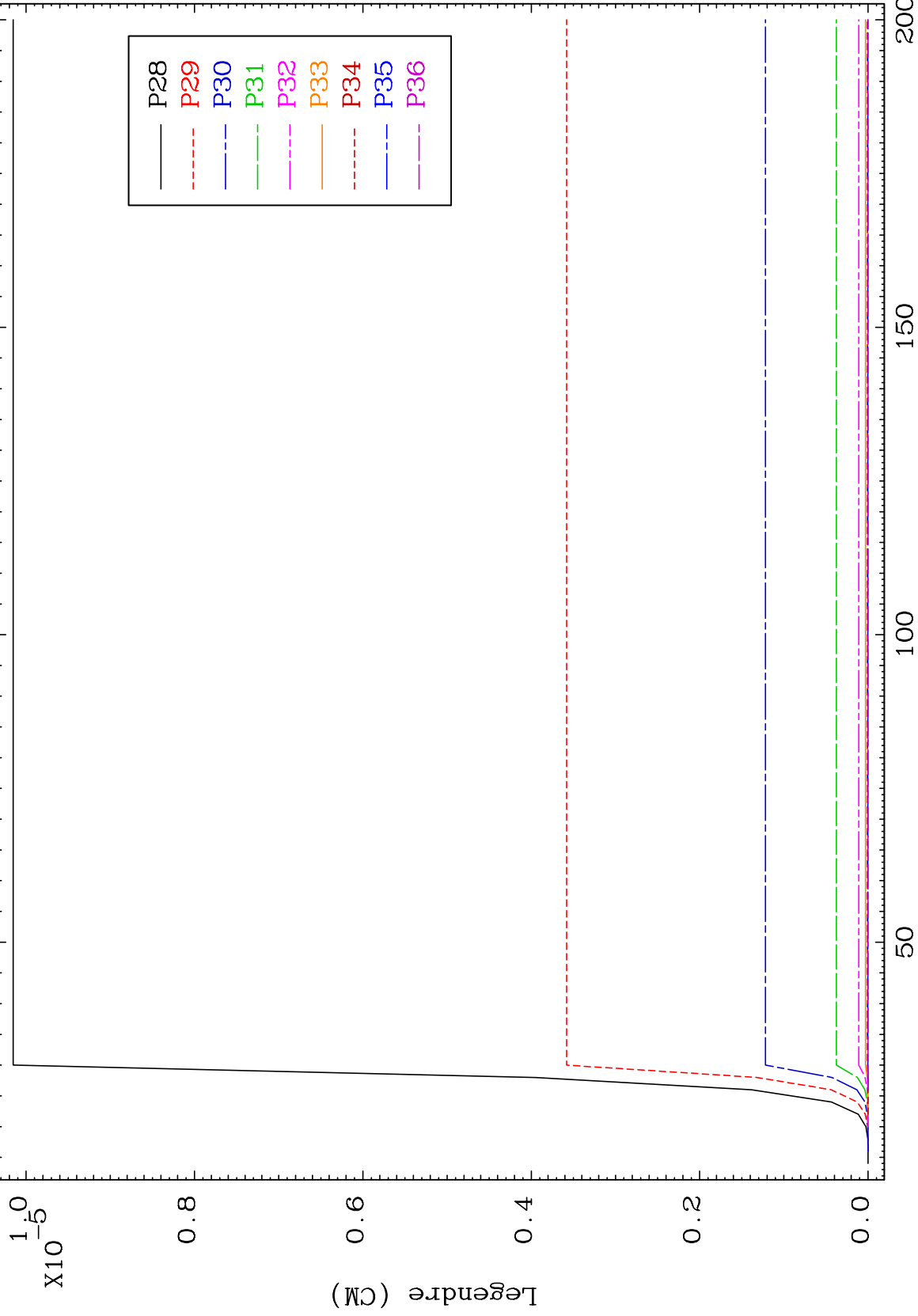
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MAT 6143

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

61-Pm-145



24

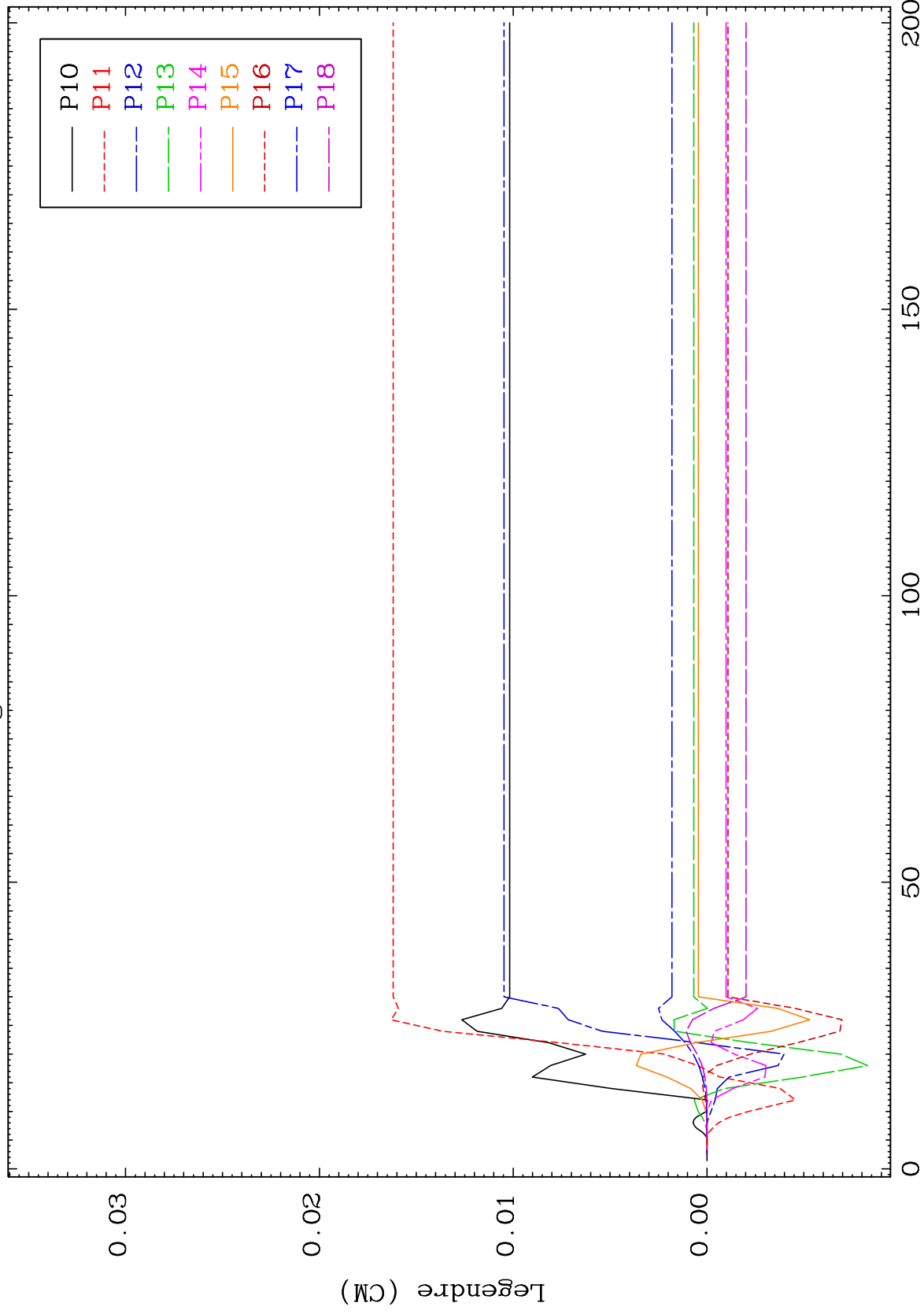
Incident Energy (MeV)

61-Pm-145

MAT 6143

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

61-Pm-145



26

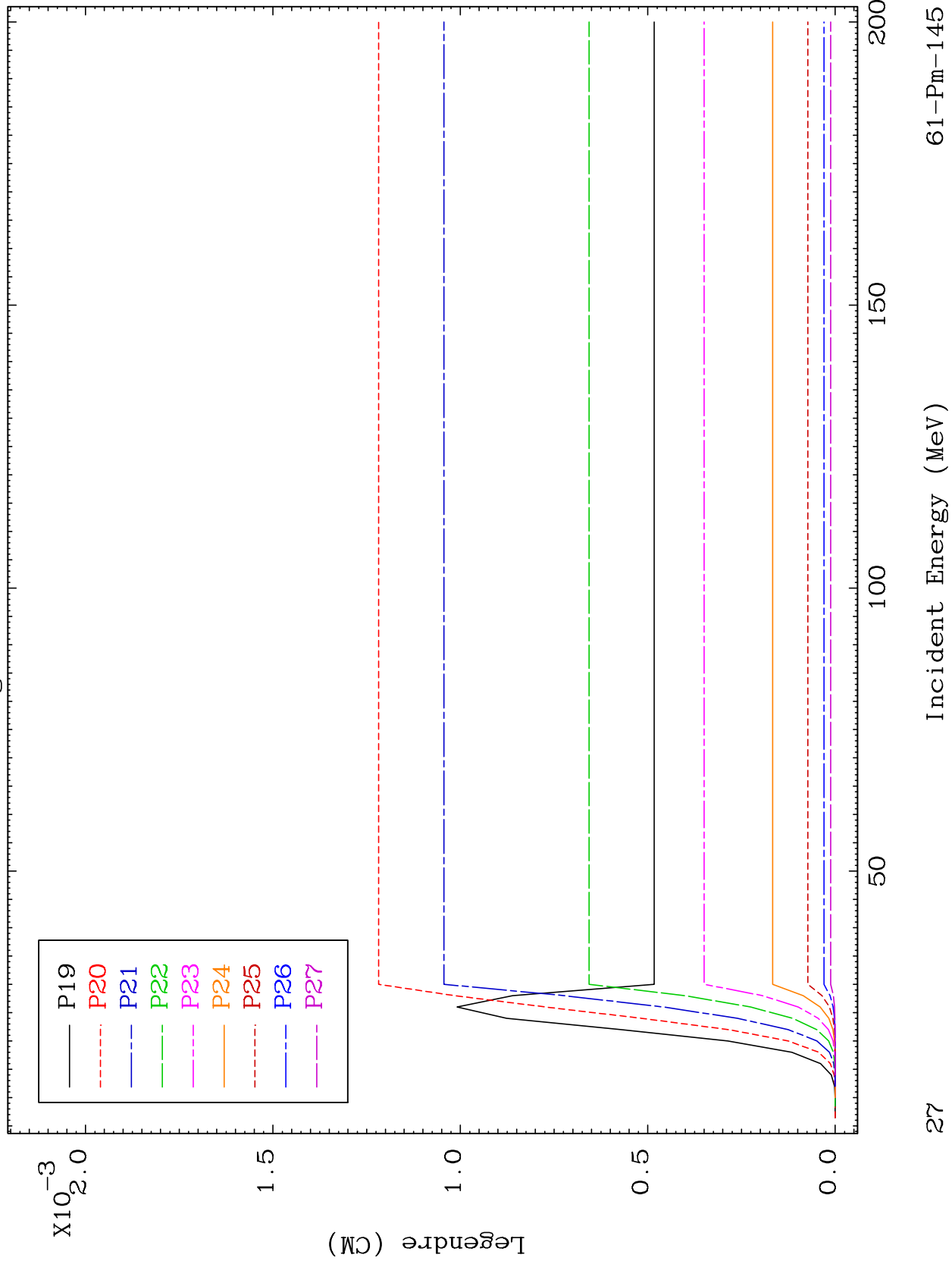
Incident Energy (MeV)

61-Pm-145

MAT 6143

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

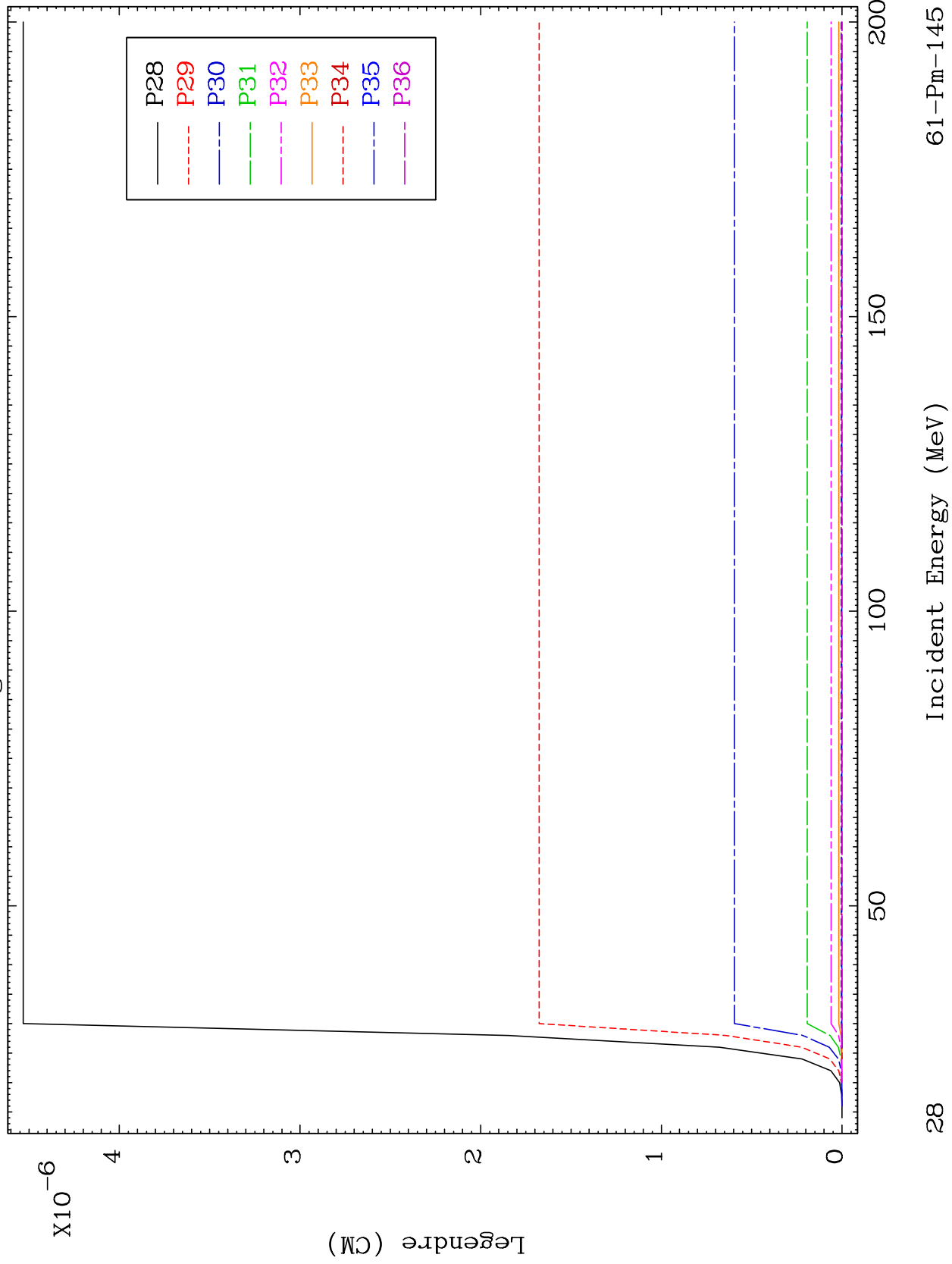
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MAT 6143

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

61-Pm-145



28

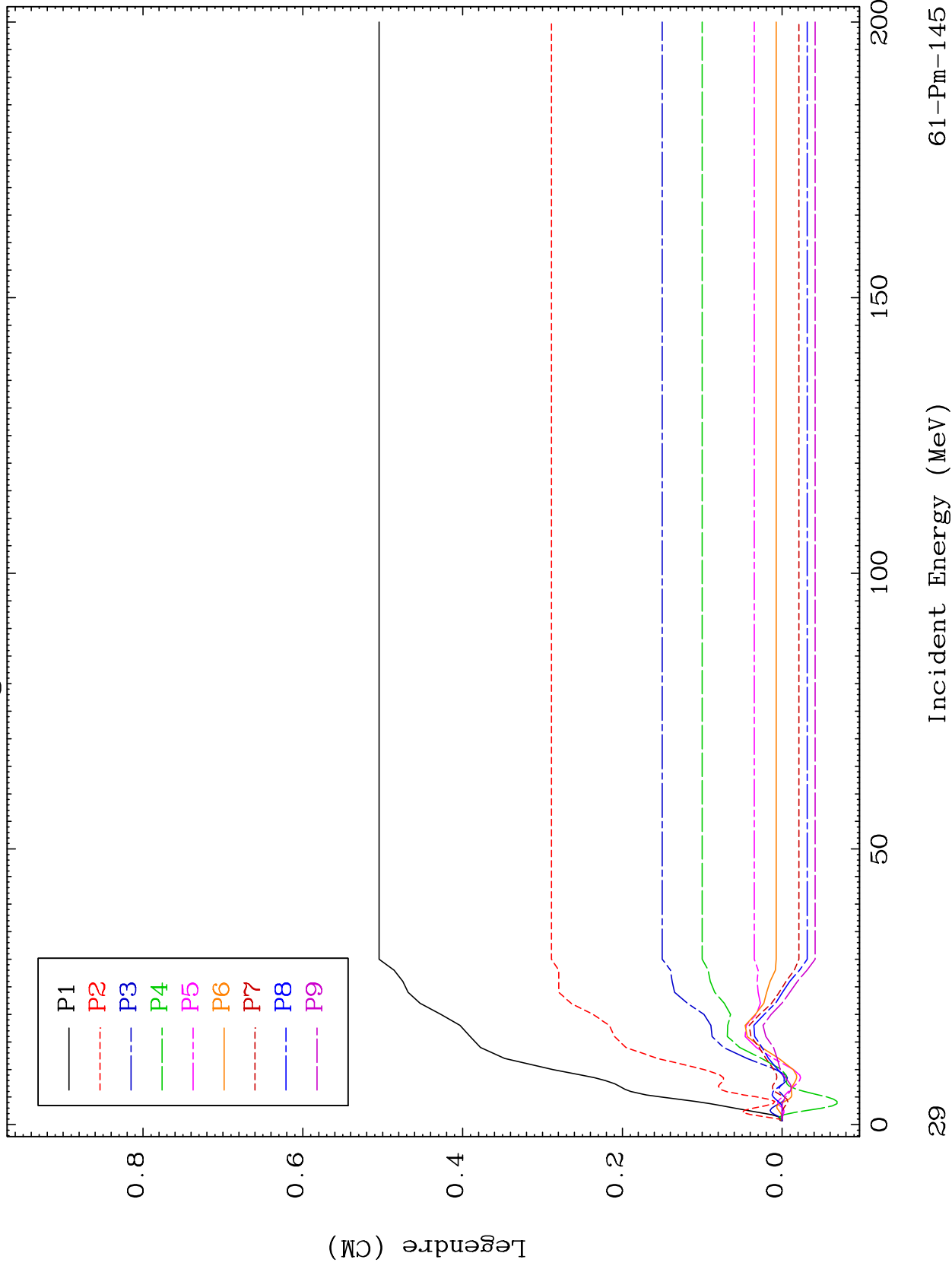
Incident Energy (MeV)

61-Pm-145

MAT 6143

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

61-Pm-145



29

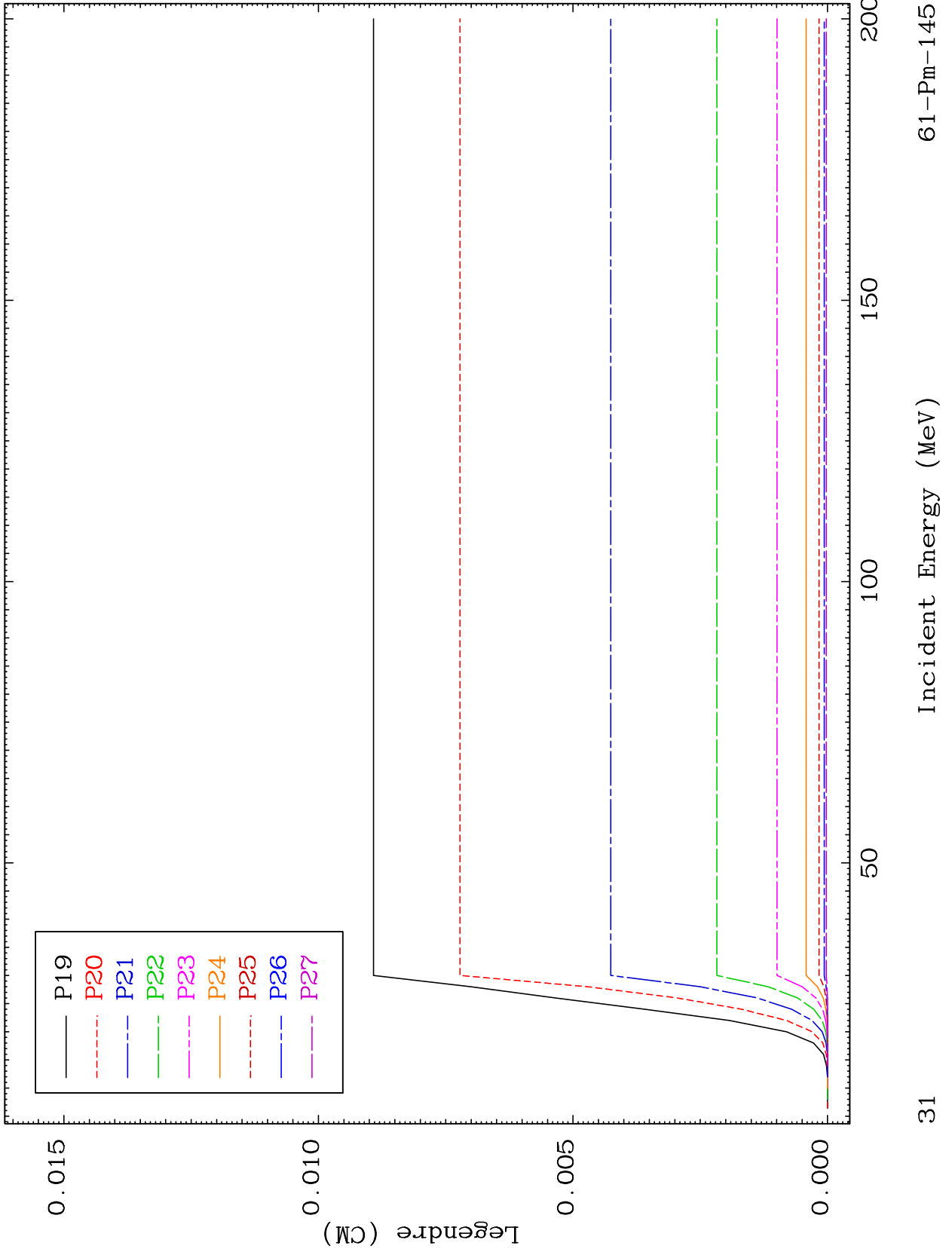
Incident Energy (MeV)

61-Pm-145

MAT 6143

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

61-Pm-145



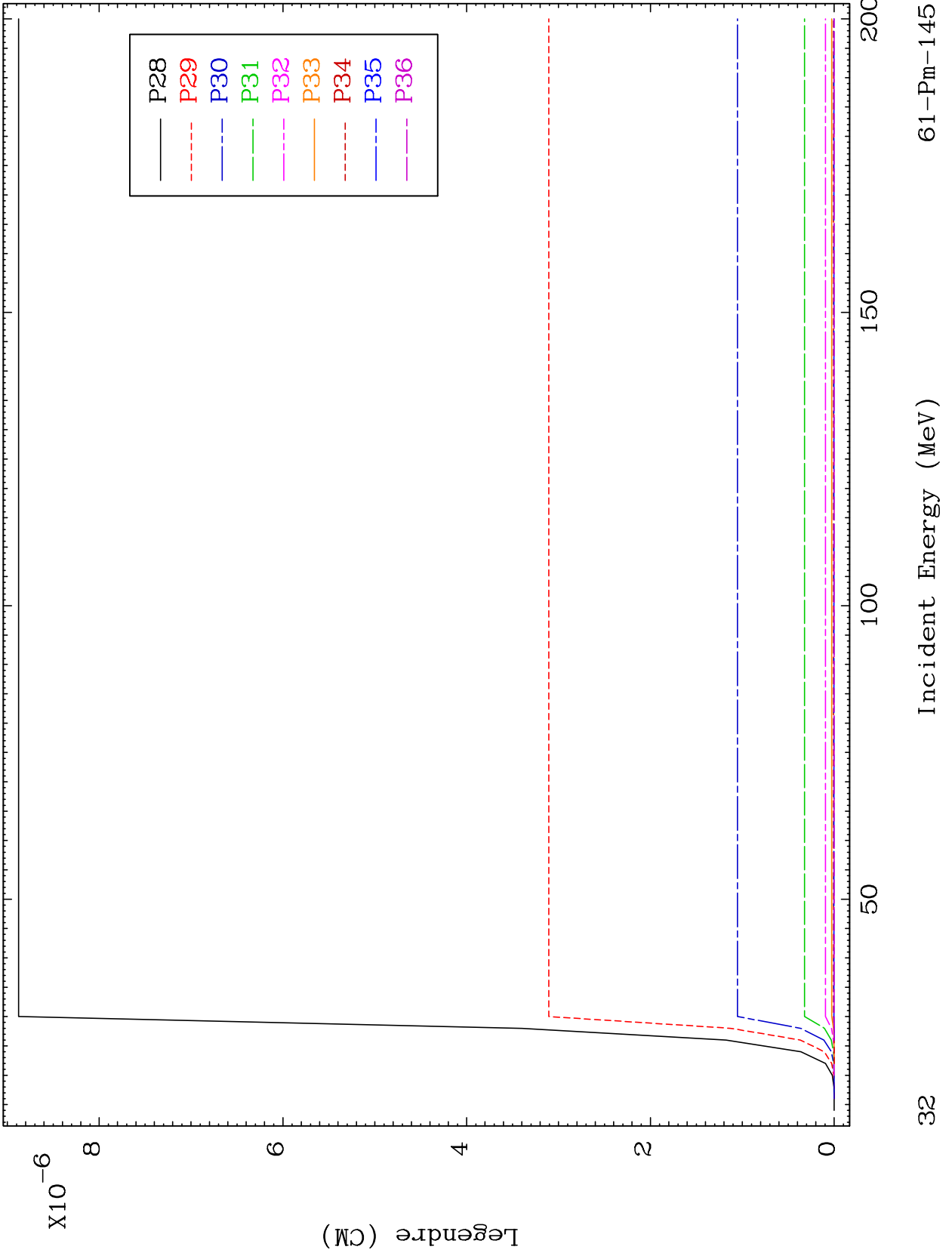
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61-Pm-145

MAT 6143

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

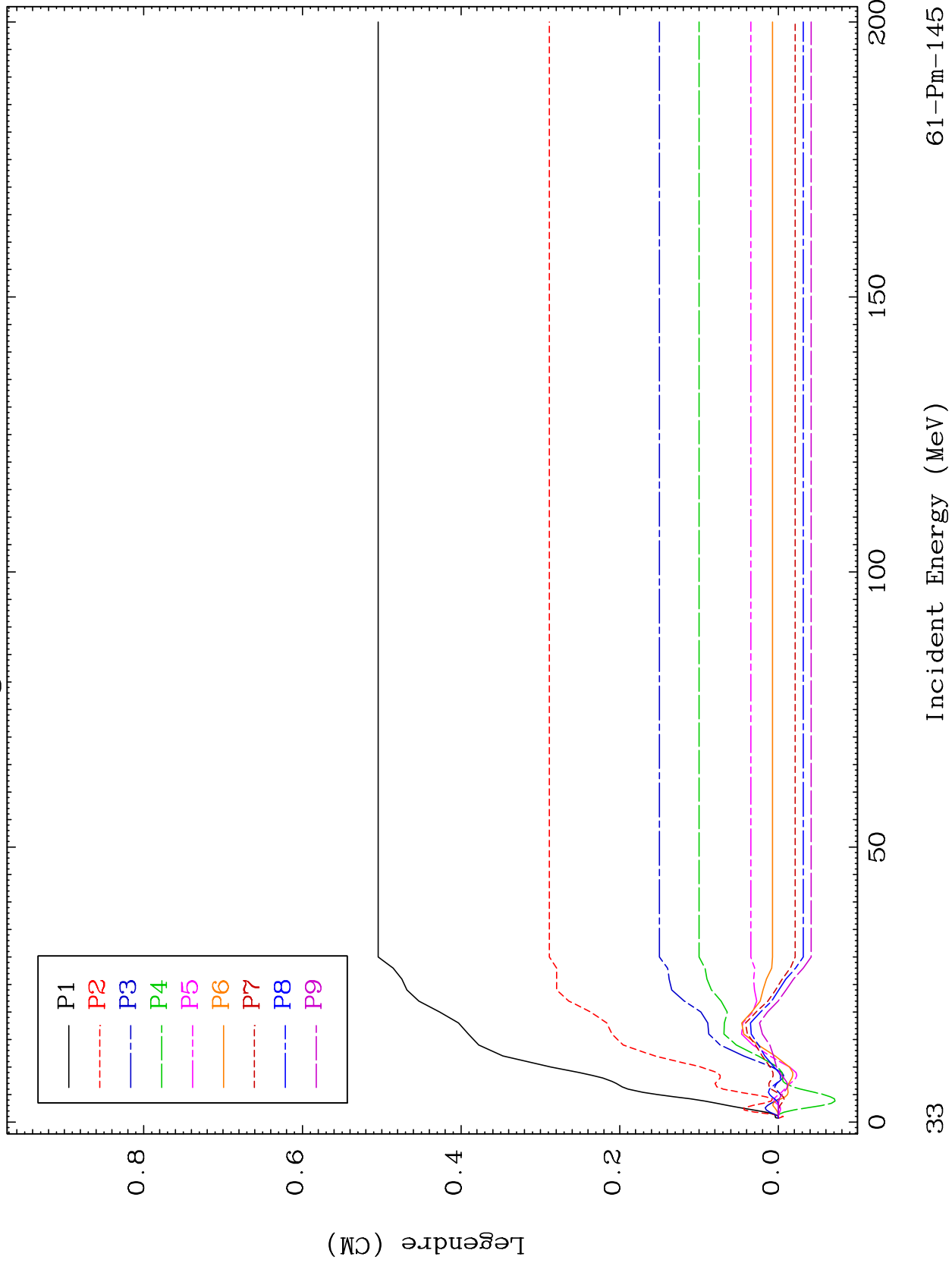
61-Pm-145



MAT 6143

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

61-Pm-145



33

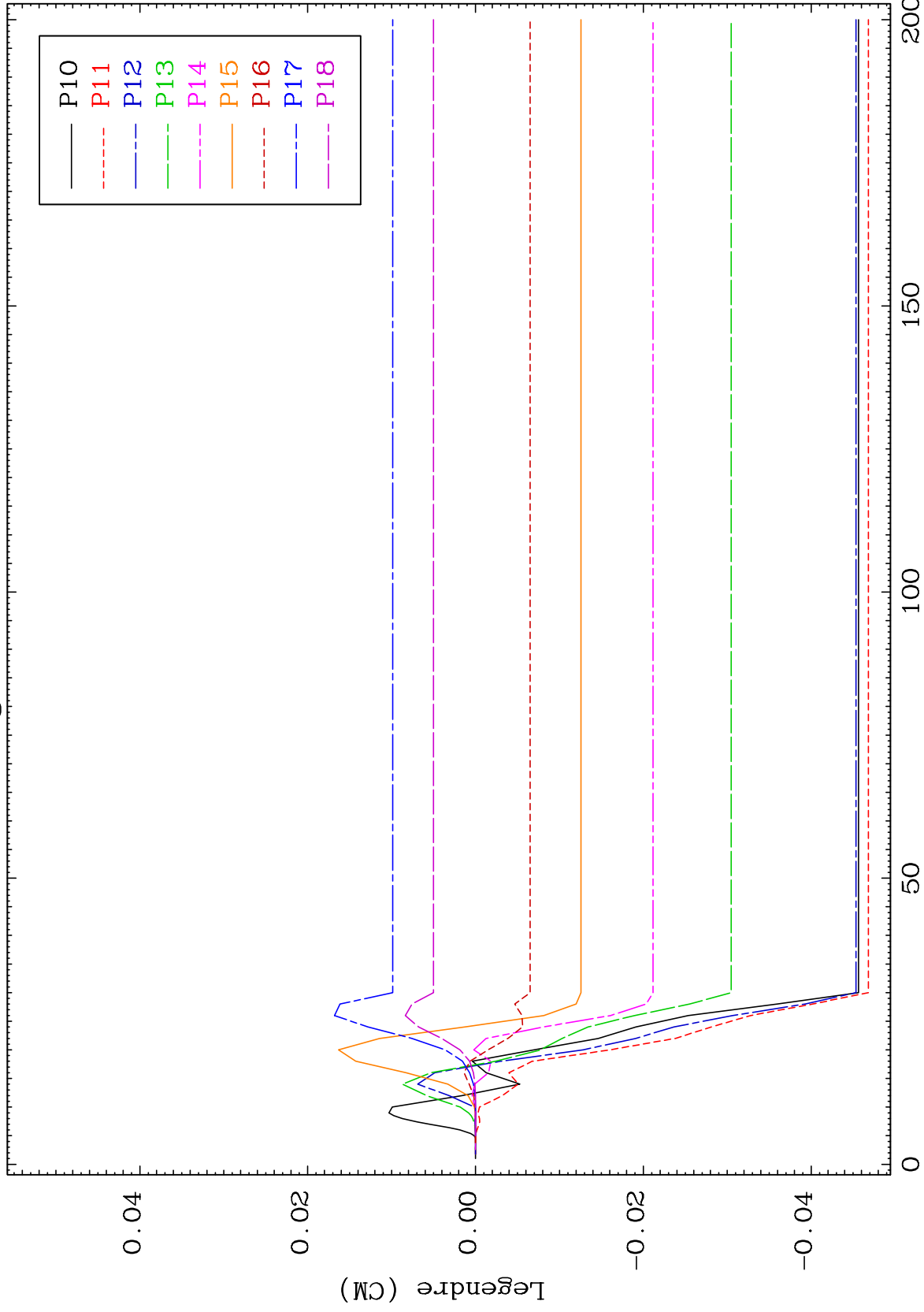
Incident Energy (MeV)

61-Pm-145

MAT 6143

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

61-Pm-145



34

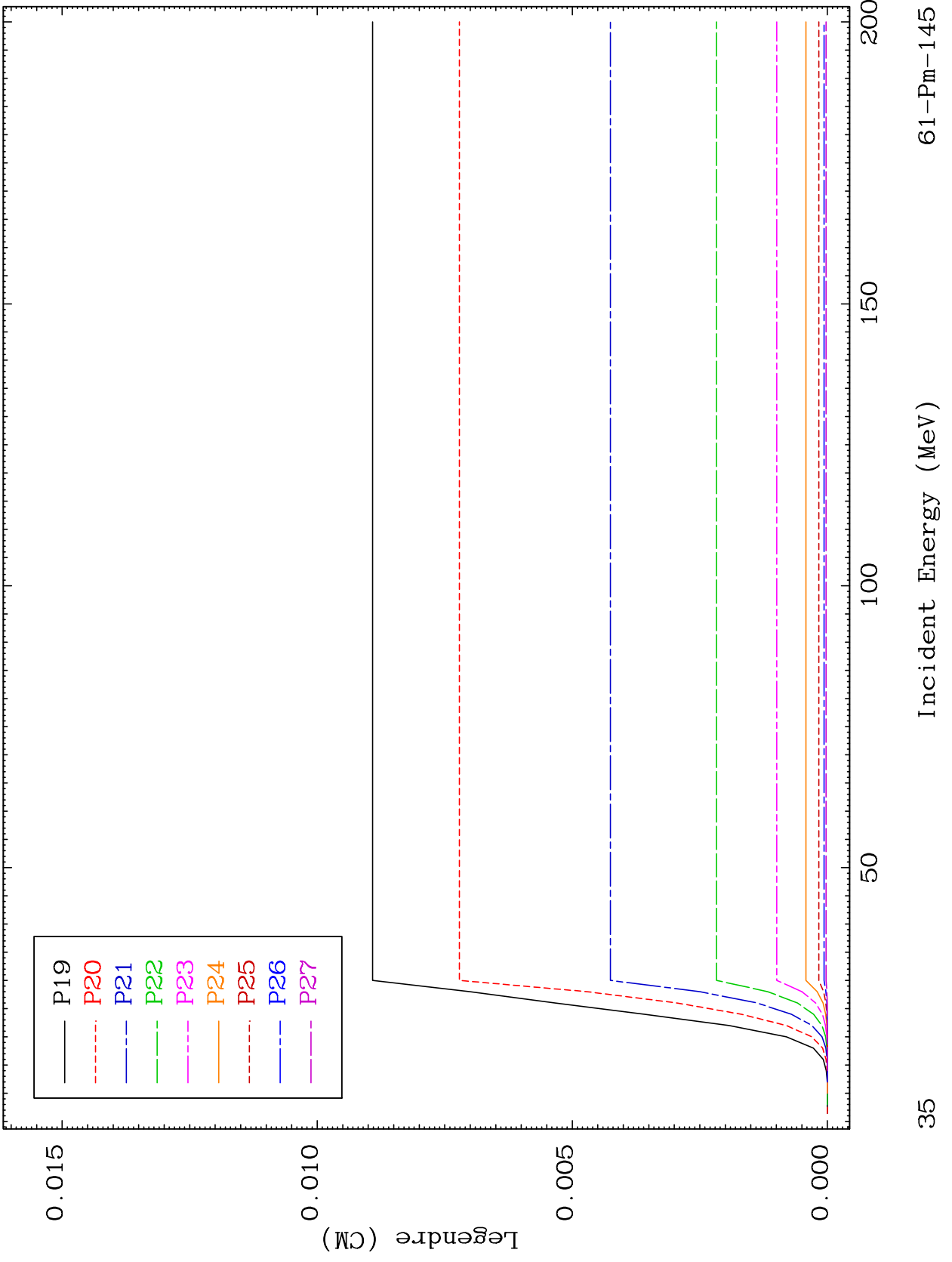
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61-Pm-145

MAT 6143

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

61-Pm-145



35

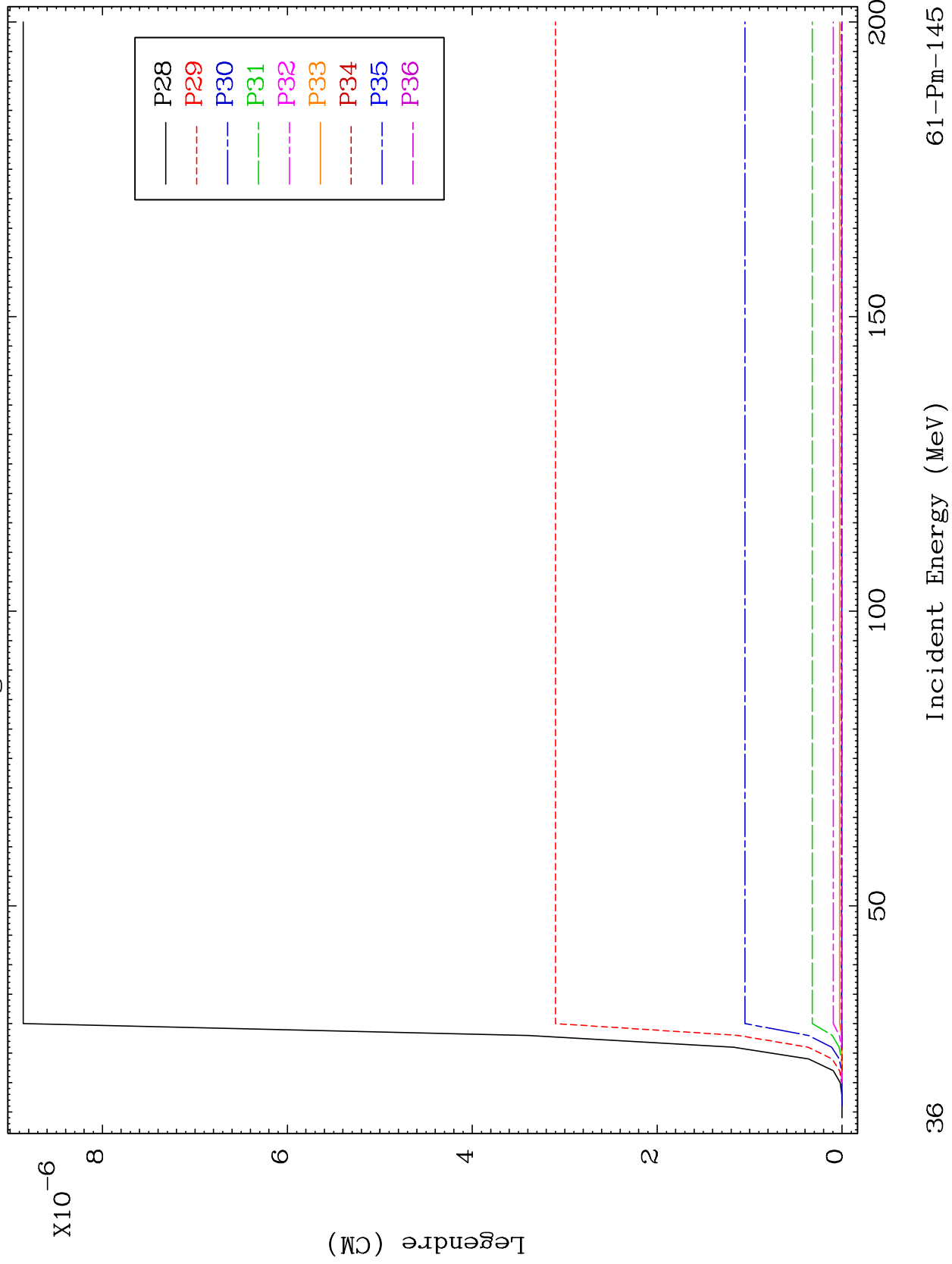
Incident Energy (MeV)

61-Pm-145

MAT 6143

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

61-Pm-145



36

Incident Energy (MeV)

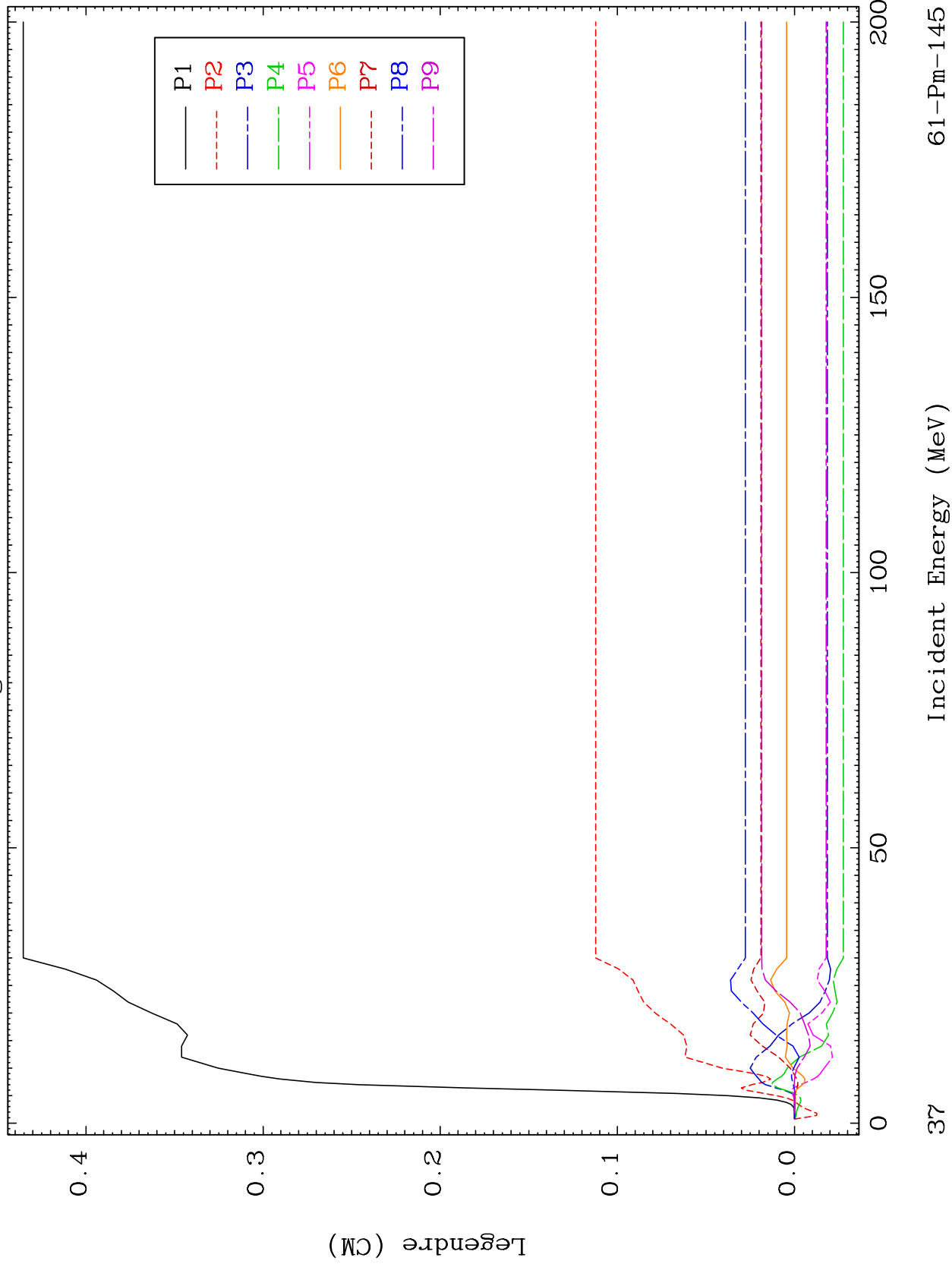
61-Pm-145

MAT 6143

MT= 55 (n,n') Level

61-Pm-145

Legendre Coefficients



37

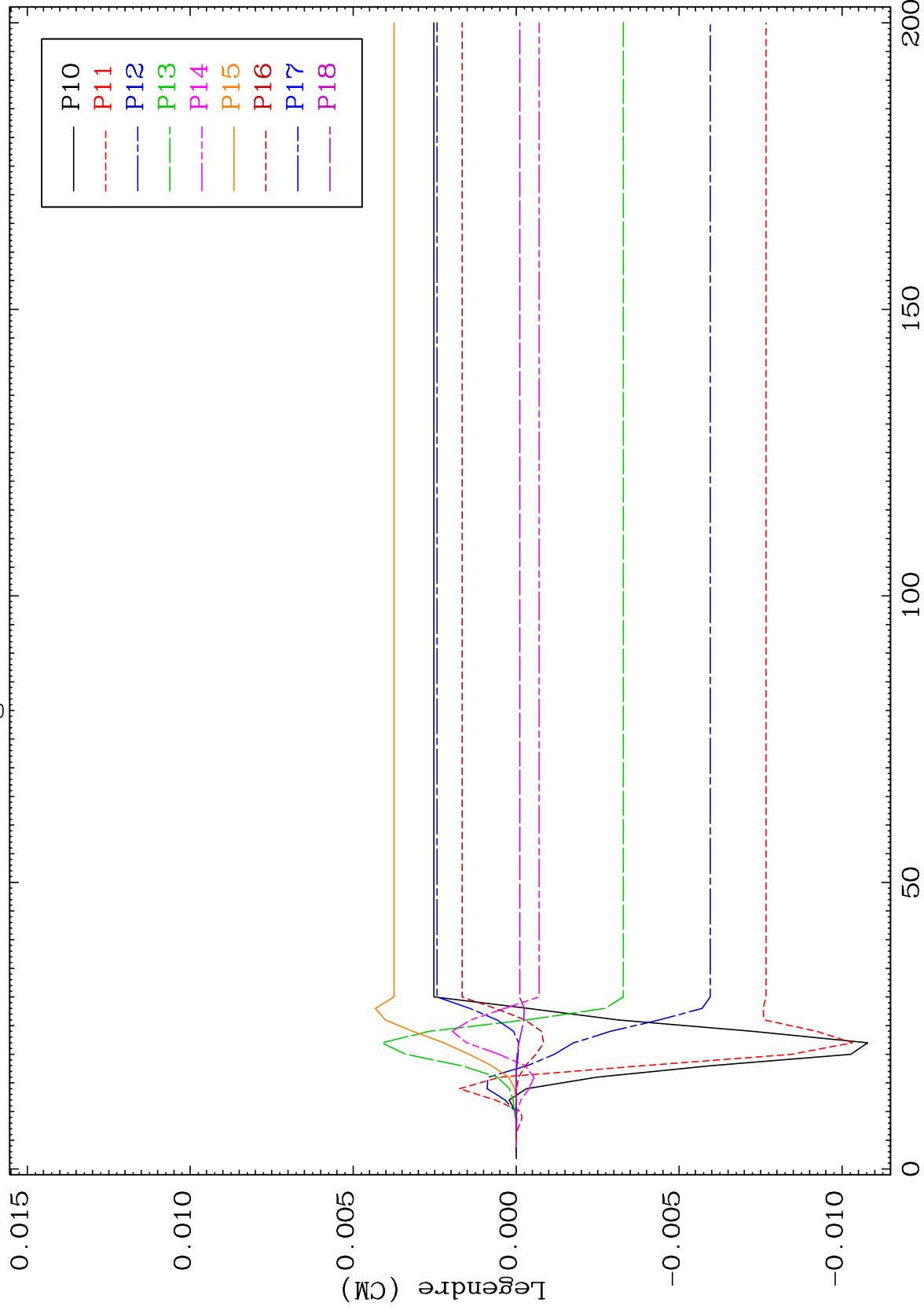
Incident Energy (MeV)

61-Pm-145

MAT 6143

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

61-Pm-145



38

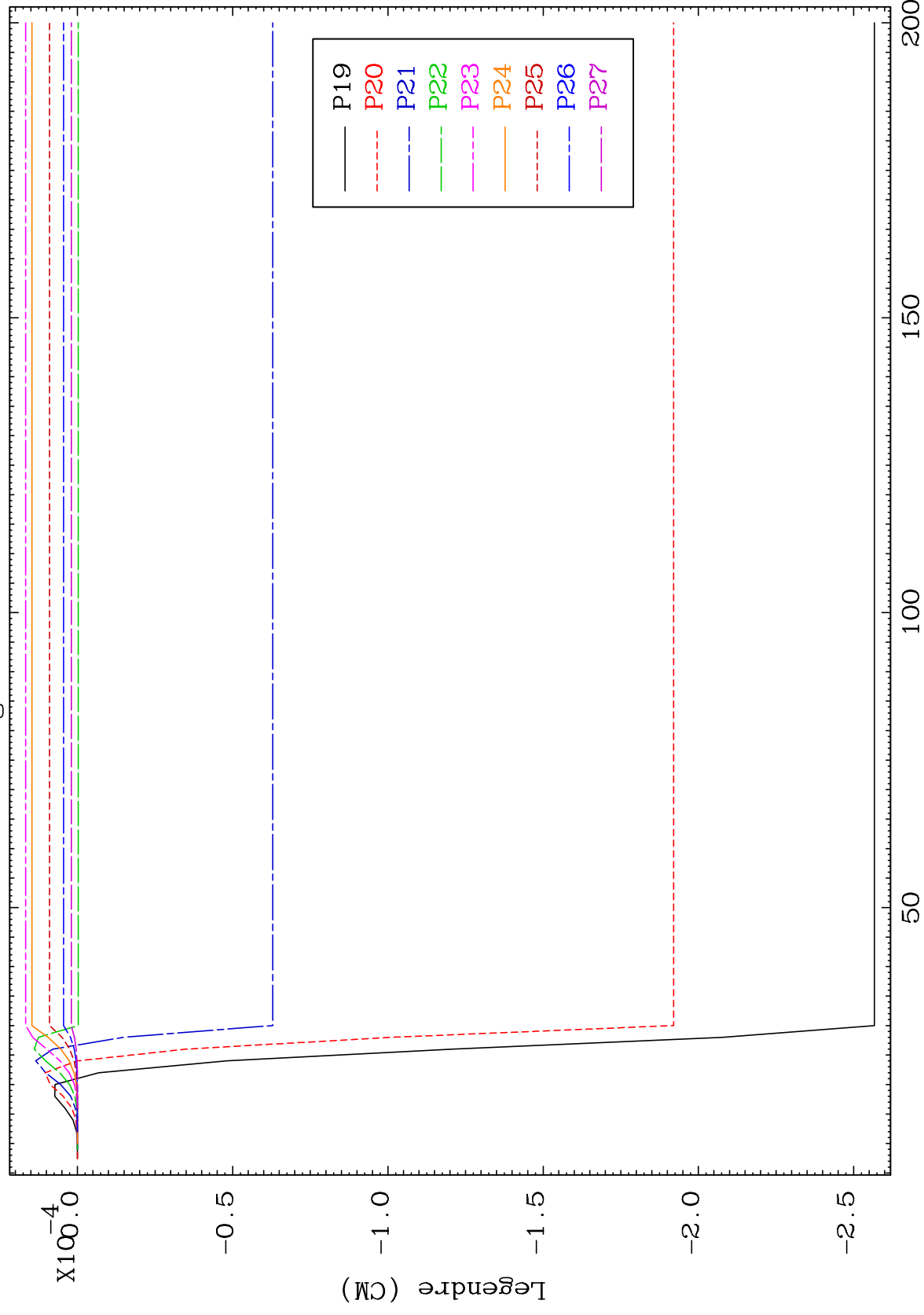
Incident Energy (MeV)

61-Pm-145

MAT 6143

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

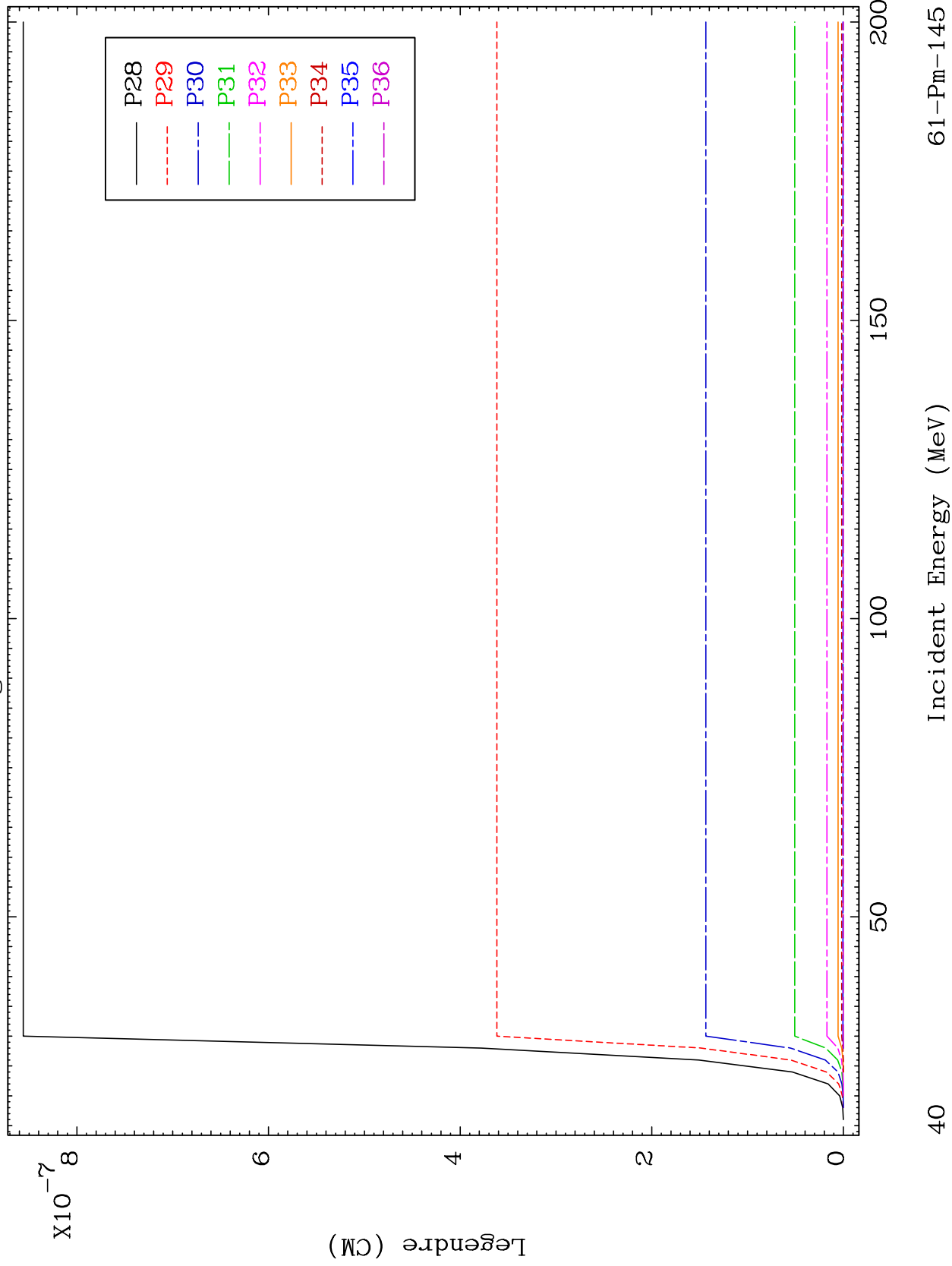
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MAT 6143

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

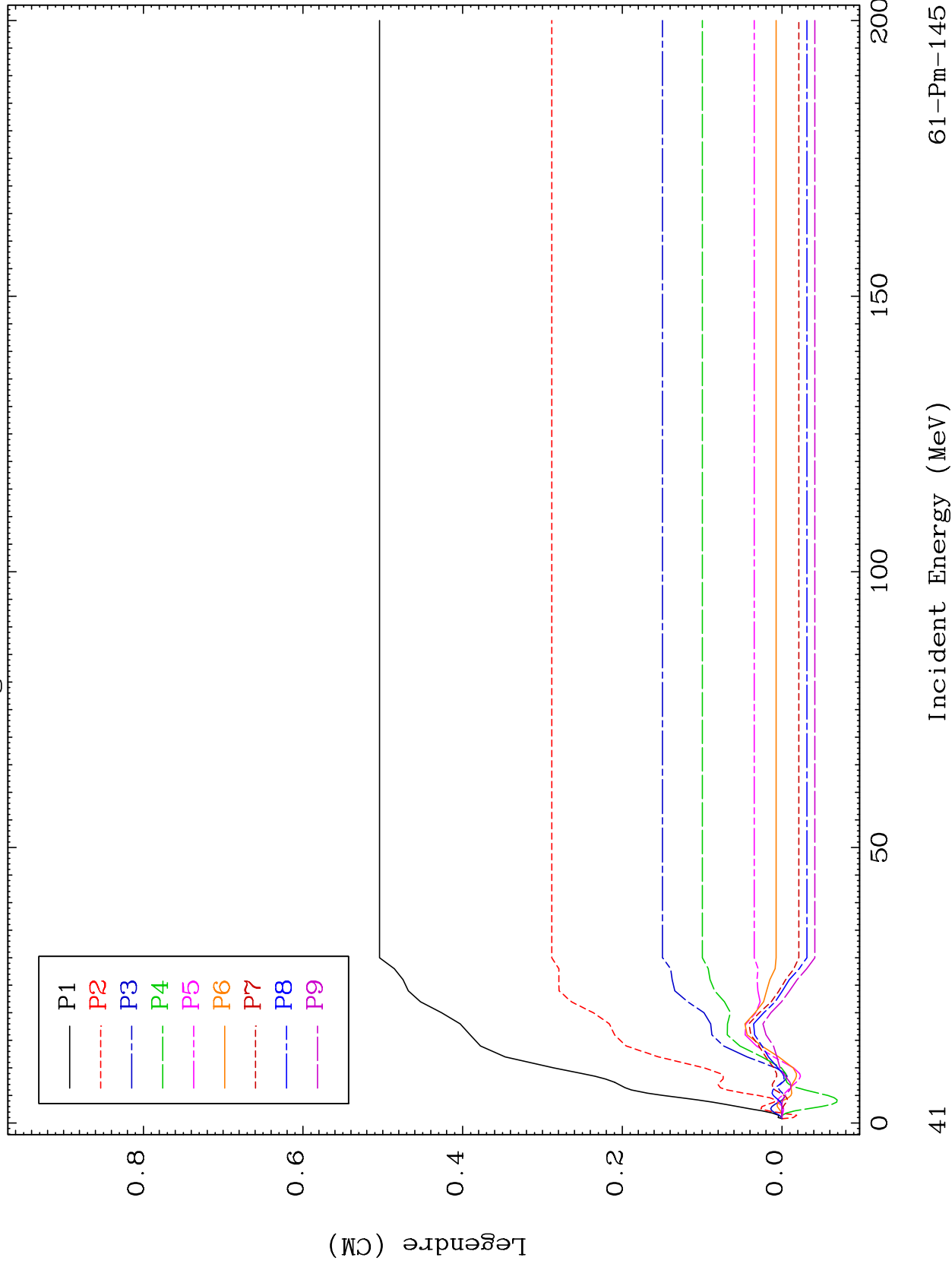
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MAT 6143

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

61-Pm-145



61-Pm-145

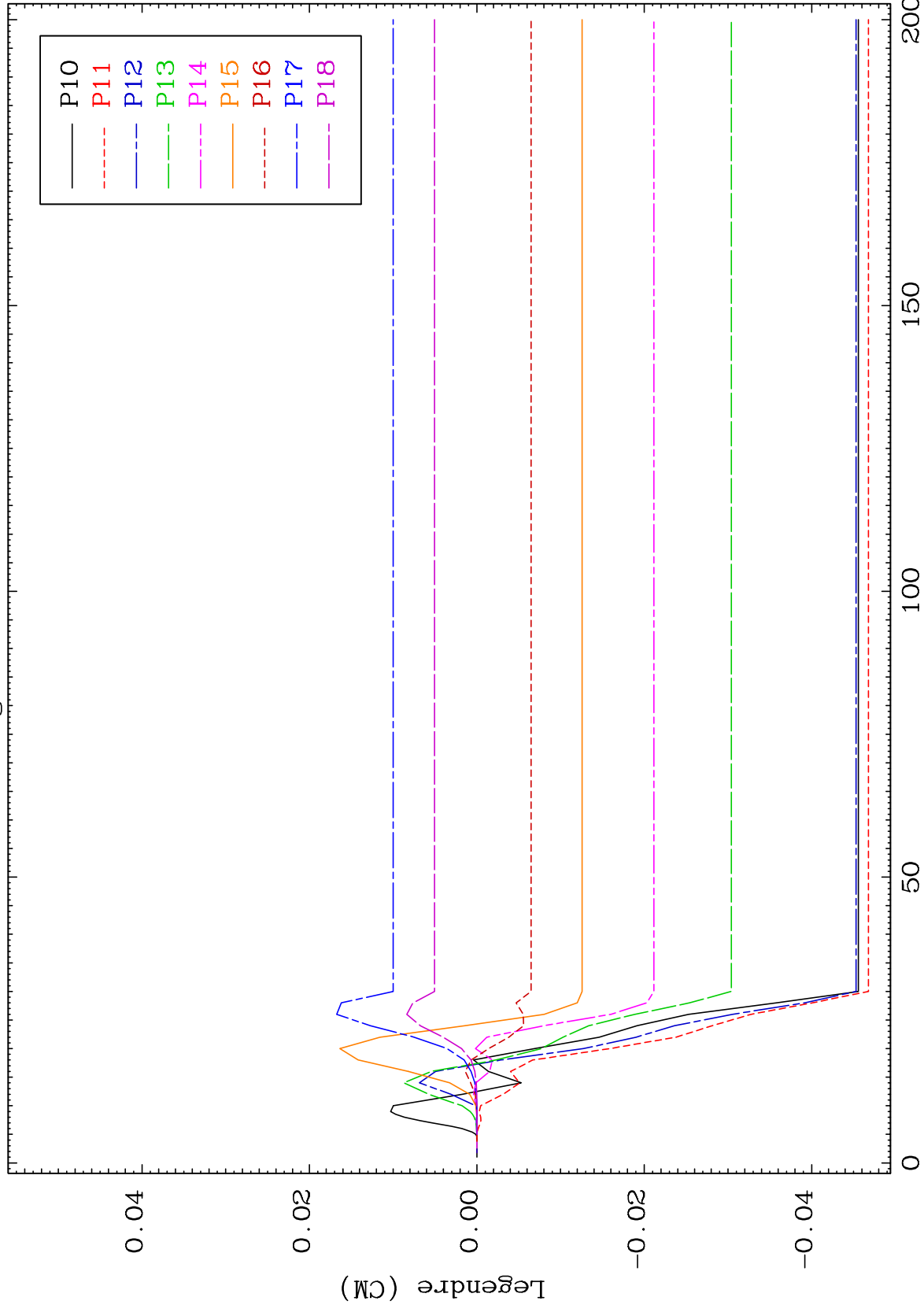
Incident Energy (MeV)

41

MAT 6143

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

61-Pm-145



42

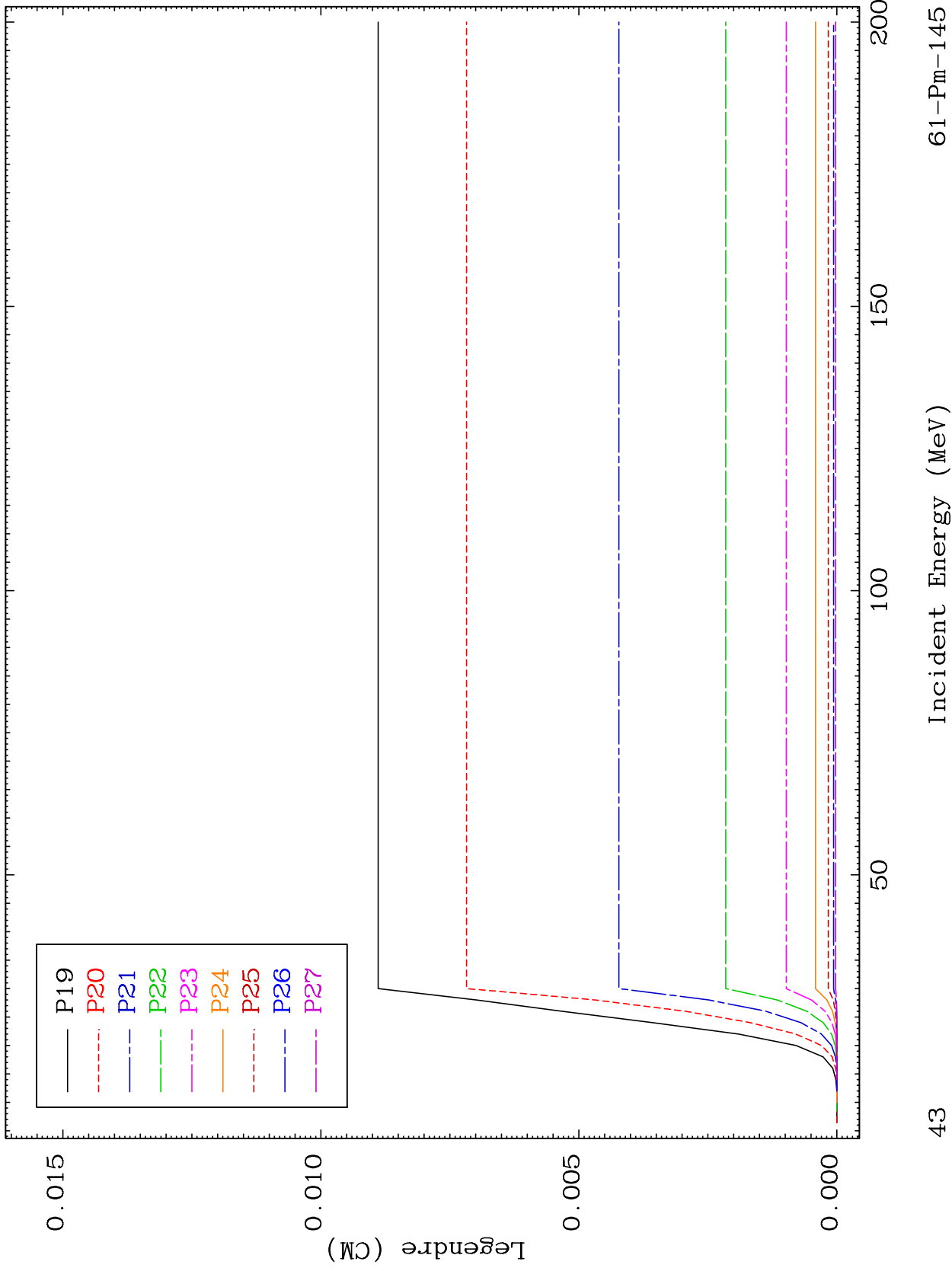
Incident Energy (MeV)

61-Pm-145

MAT 6143

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

61-Pm-145



43

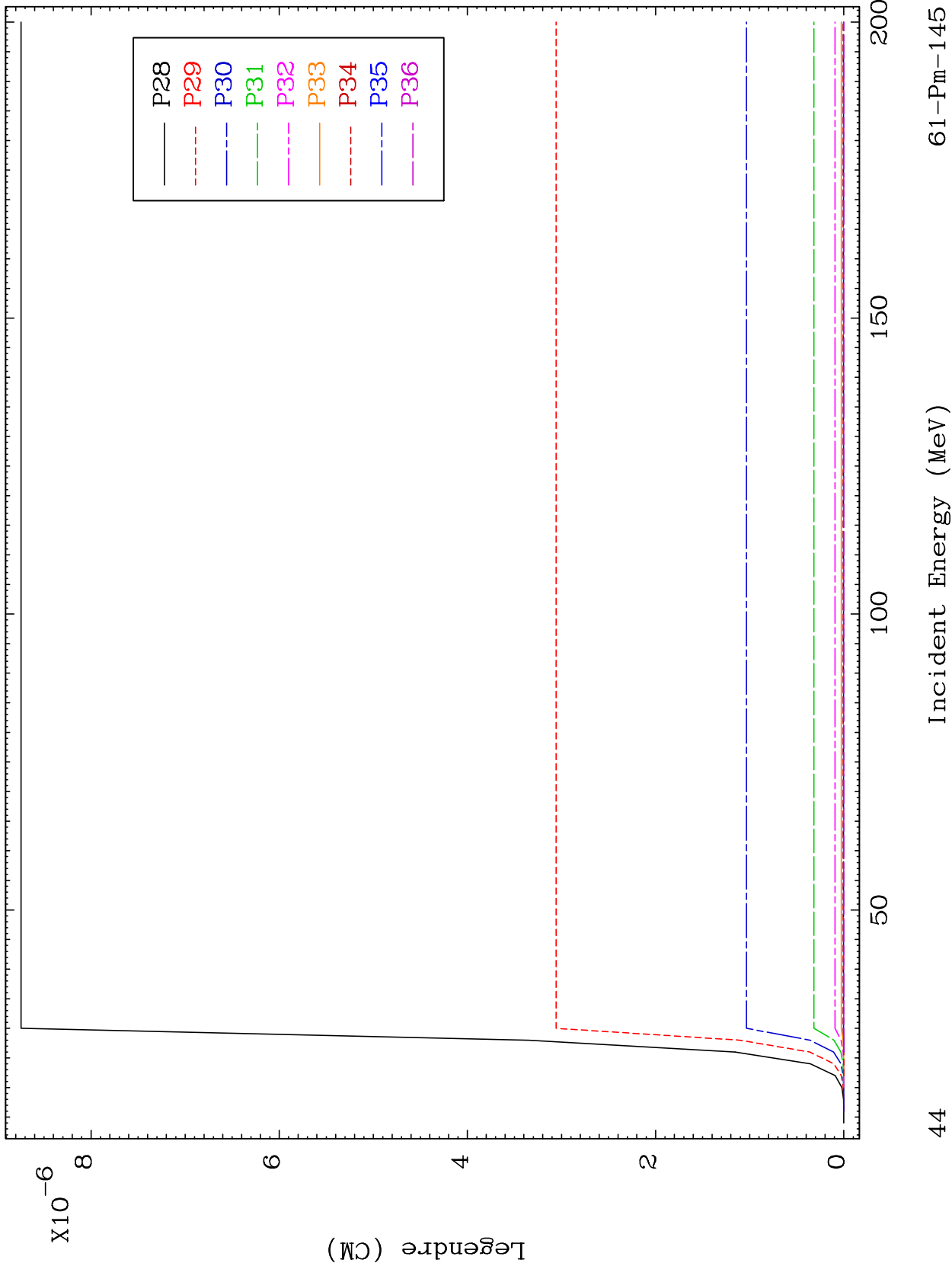
Incident Energy (MeV)

61-Pm-145

MAT 6143

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

61-Pm-145



44

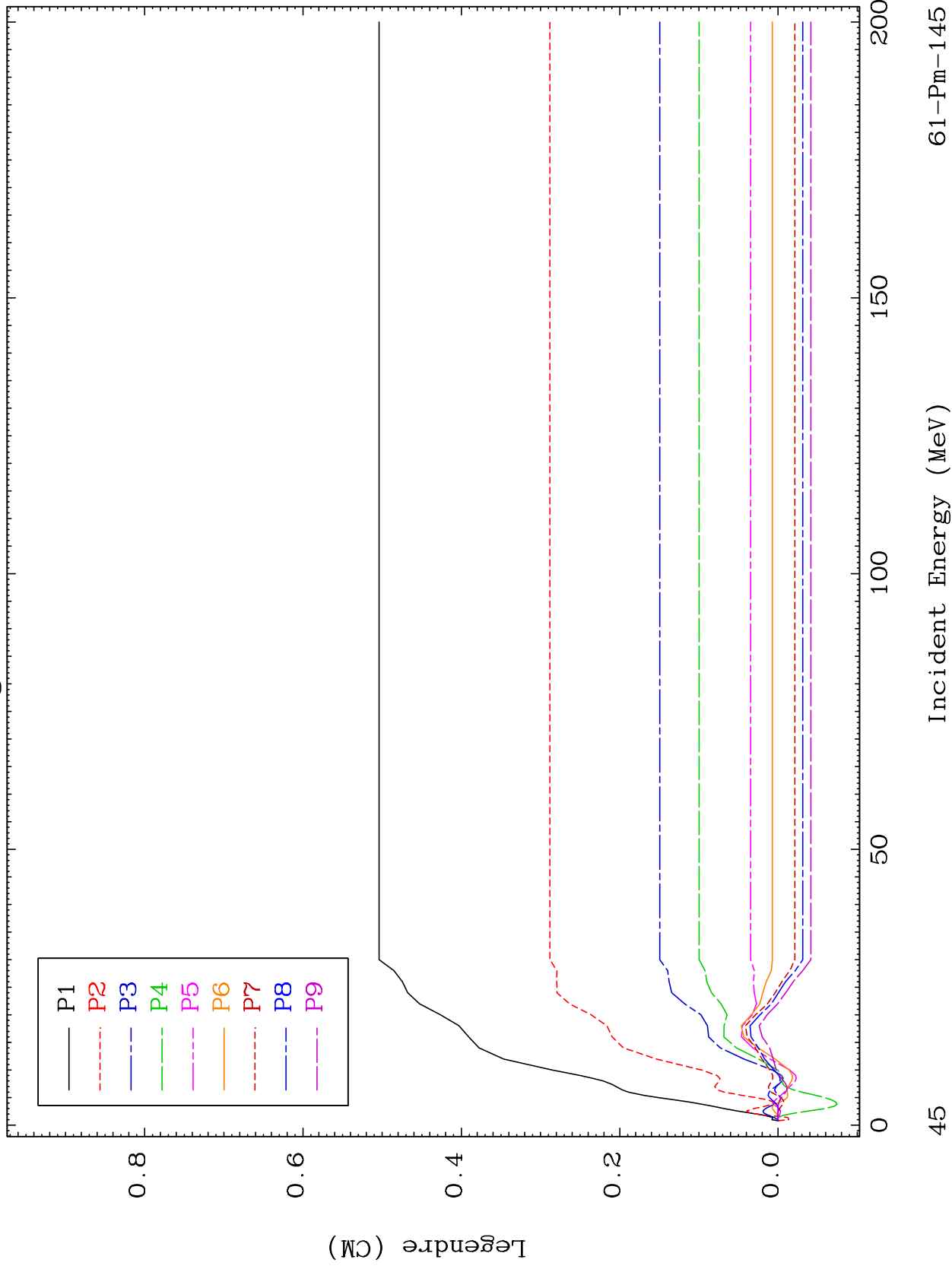
Incident Energy (MeV)

61-Pm-145

MAT 6143

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

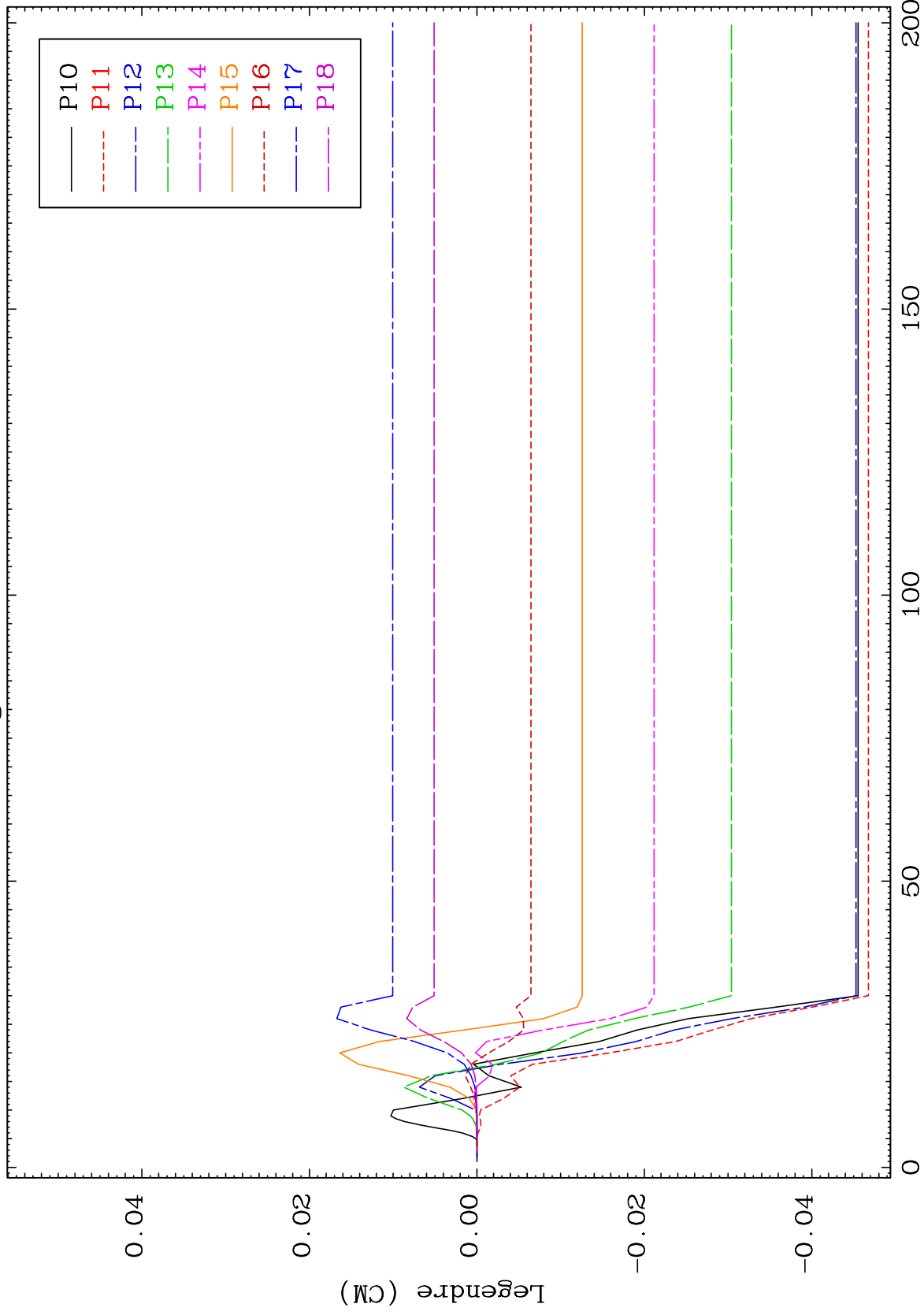
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MAT 6143

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

61-Pm-145



46

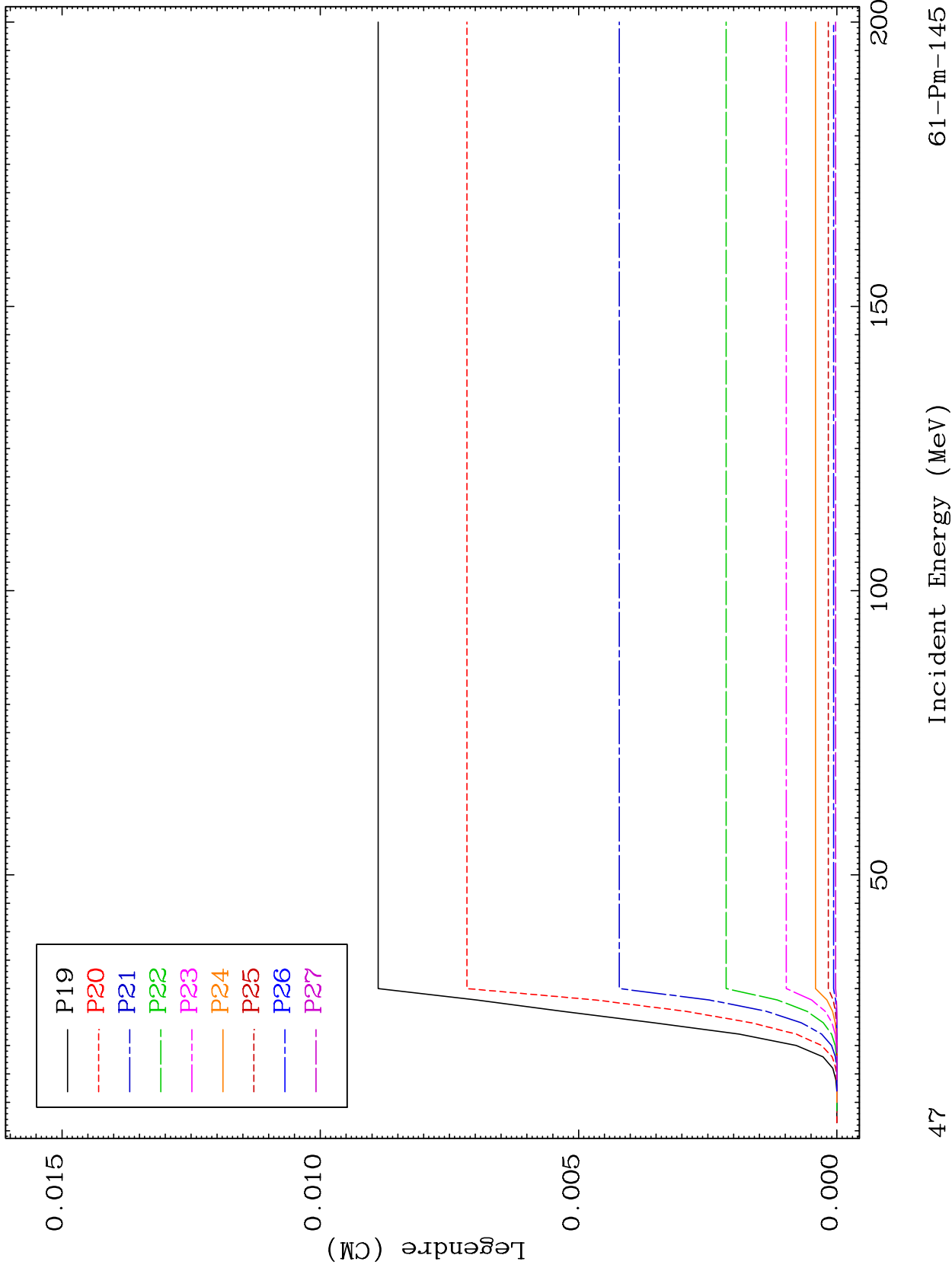
Incident Energy (MeV)

61-Pm-145

MAT 6143

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

61-Pm-145



47

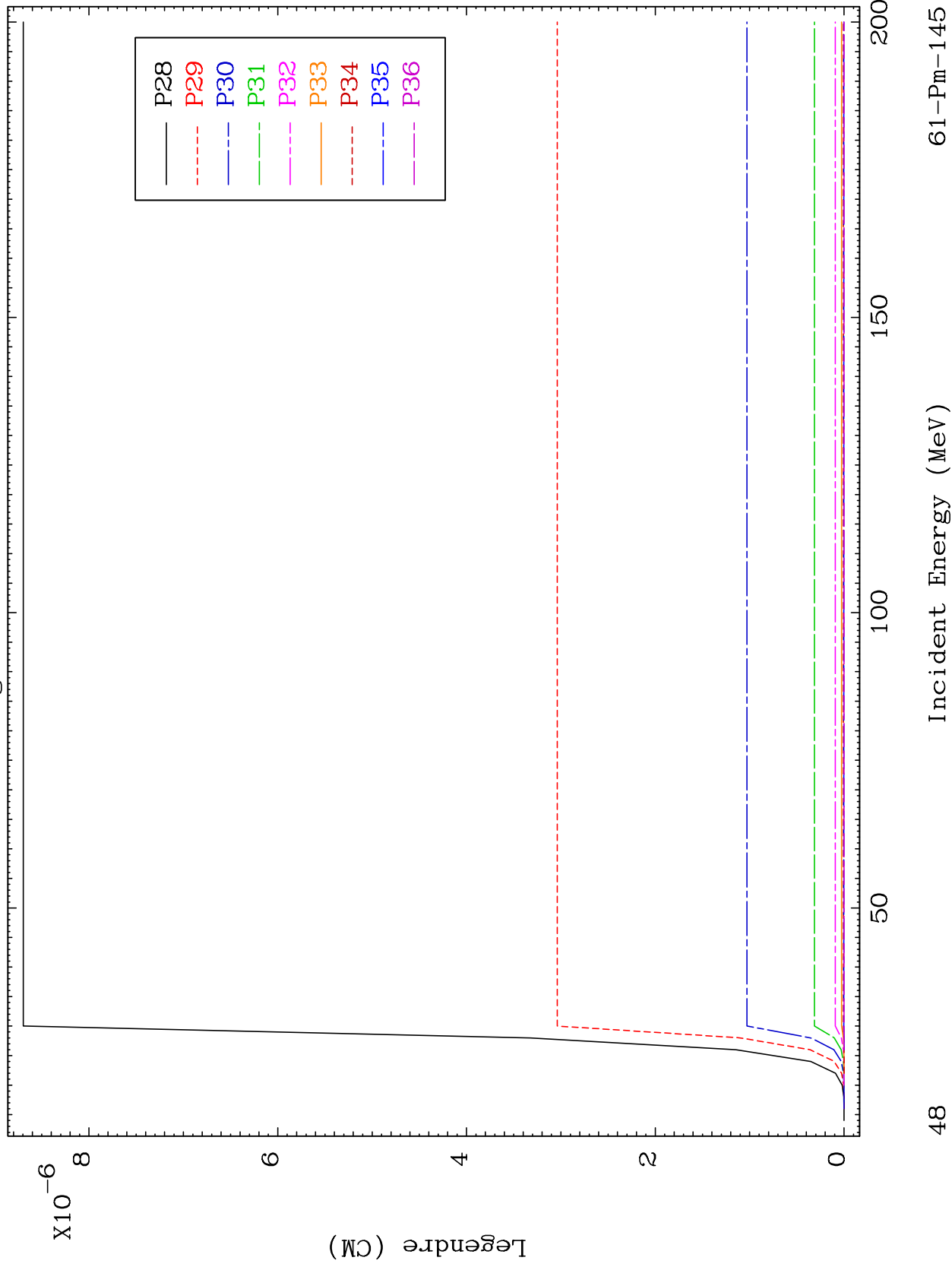
Incident Energy (MeV)

61-Pm-145

MAT 6143

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

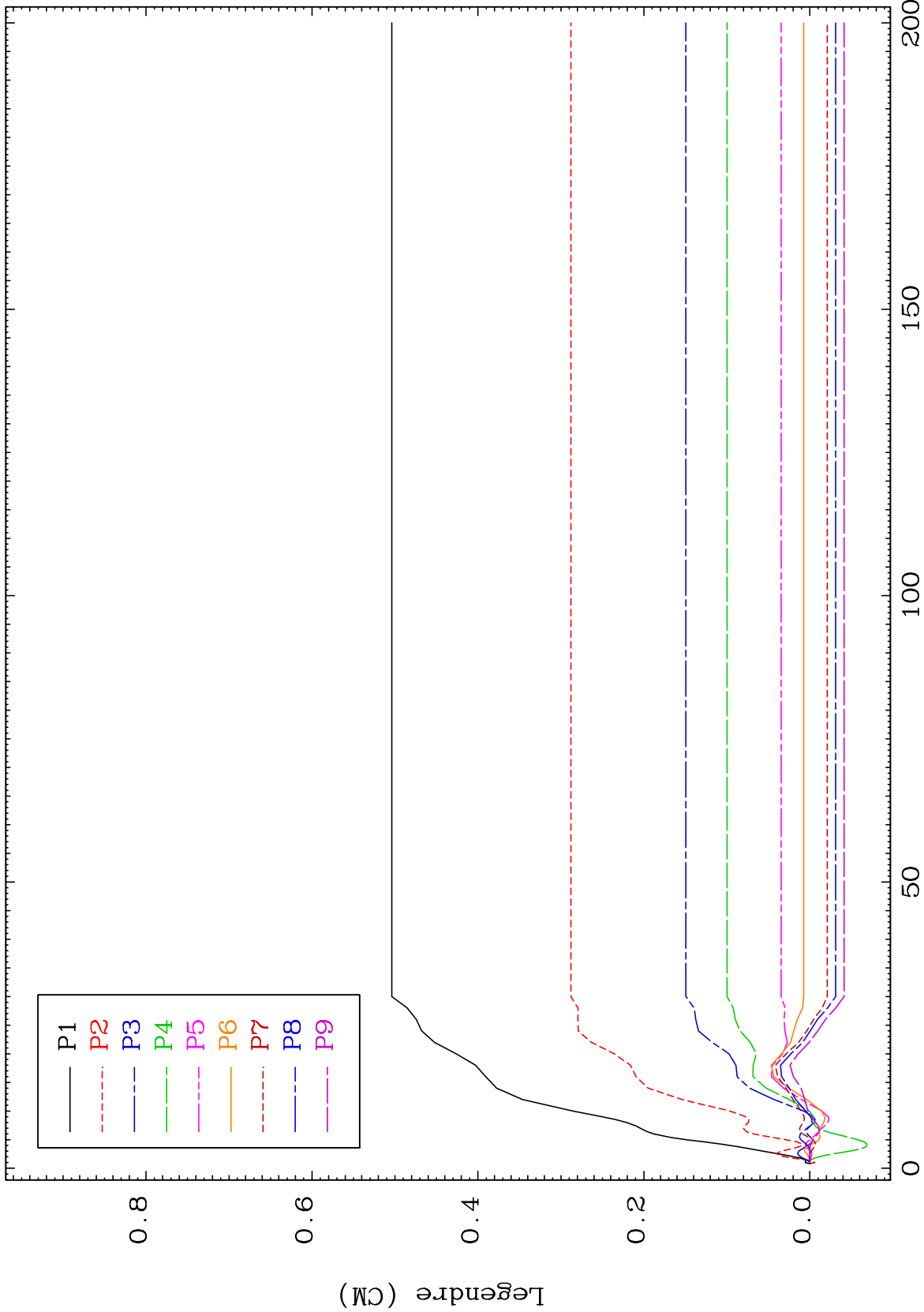
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MAT 6143

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

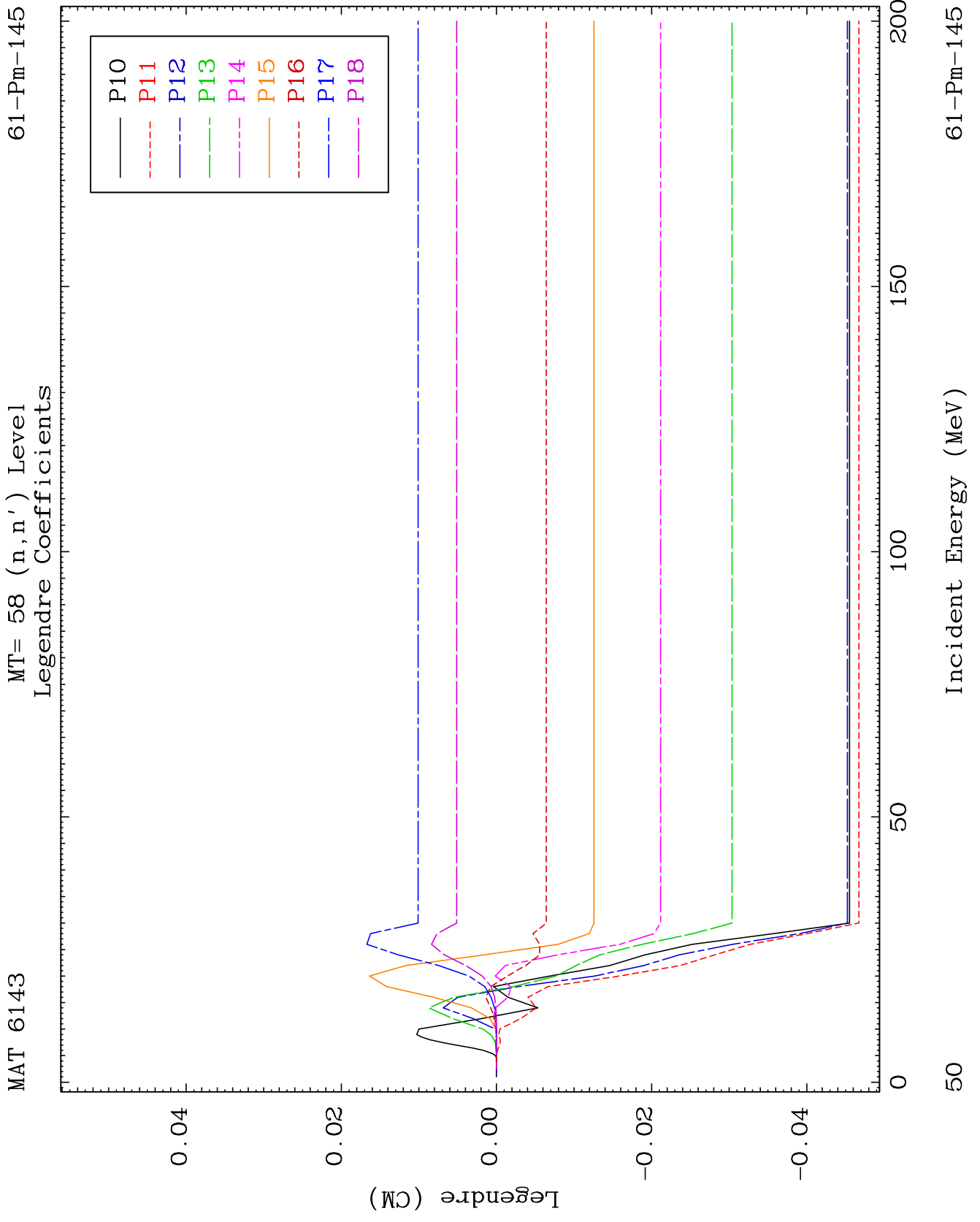
61-Pm-145



61-Pm-145

Incident Energy (MeV)

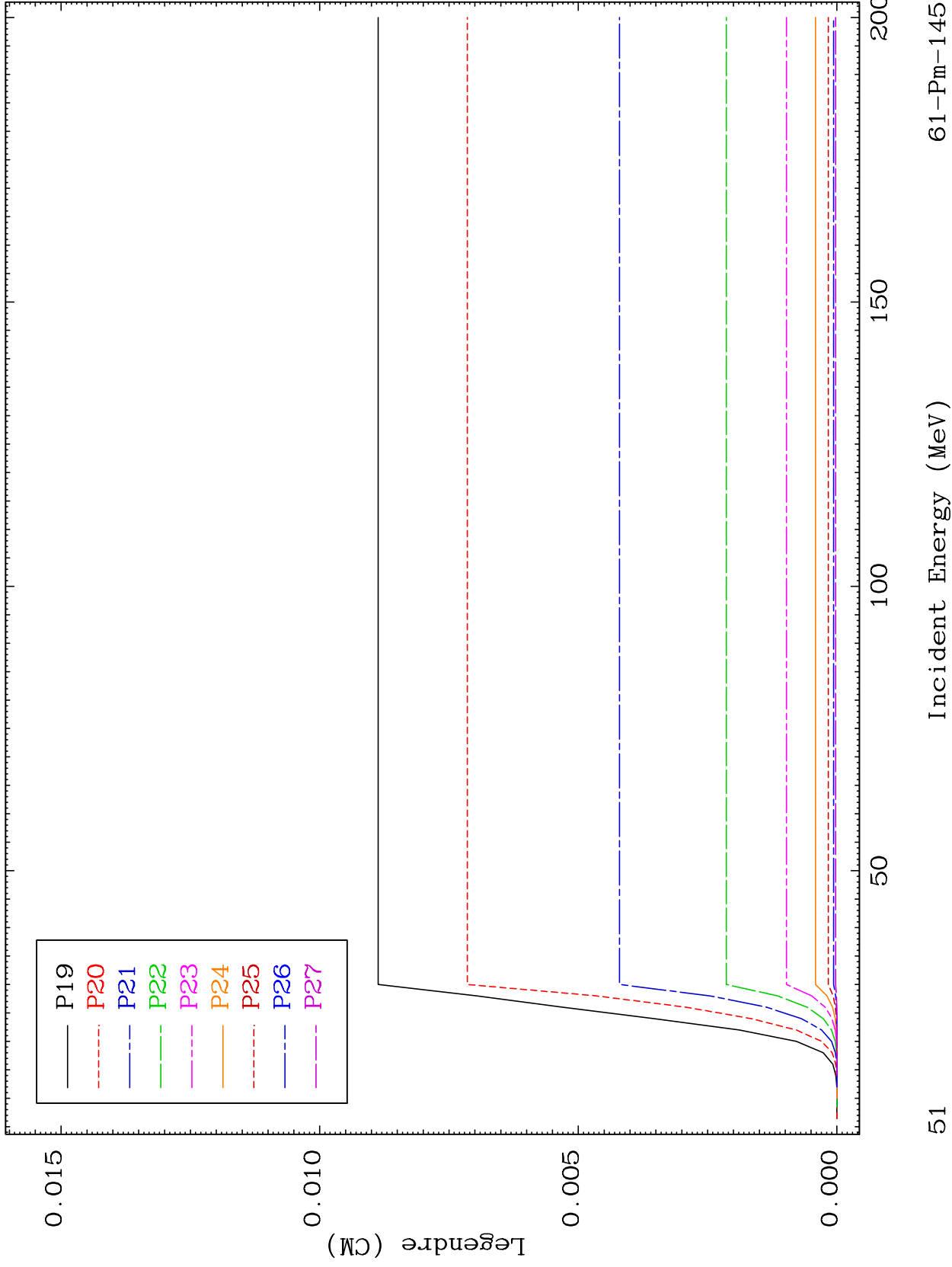
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MAT 6143

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

61-Pm-145



51

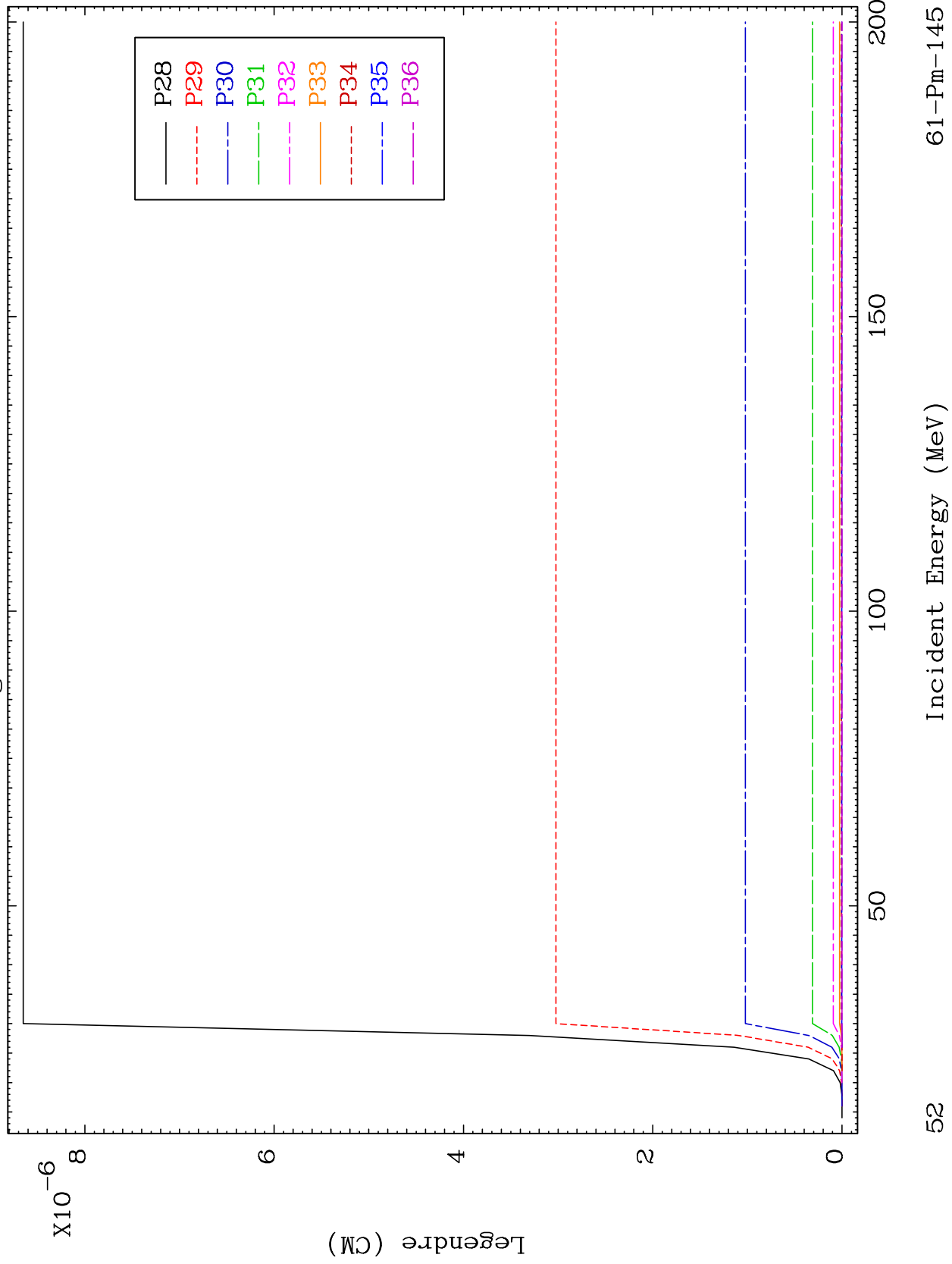
Incident Energy (MeV)

61-Pm-145

MAT 6143

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

61-Pm-145



52

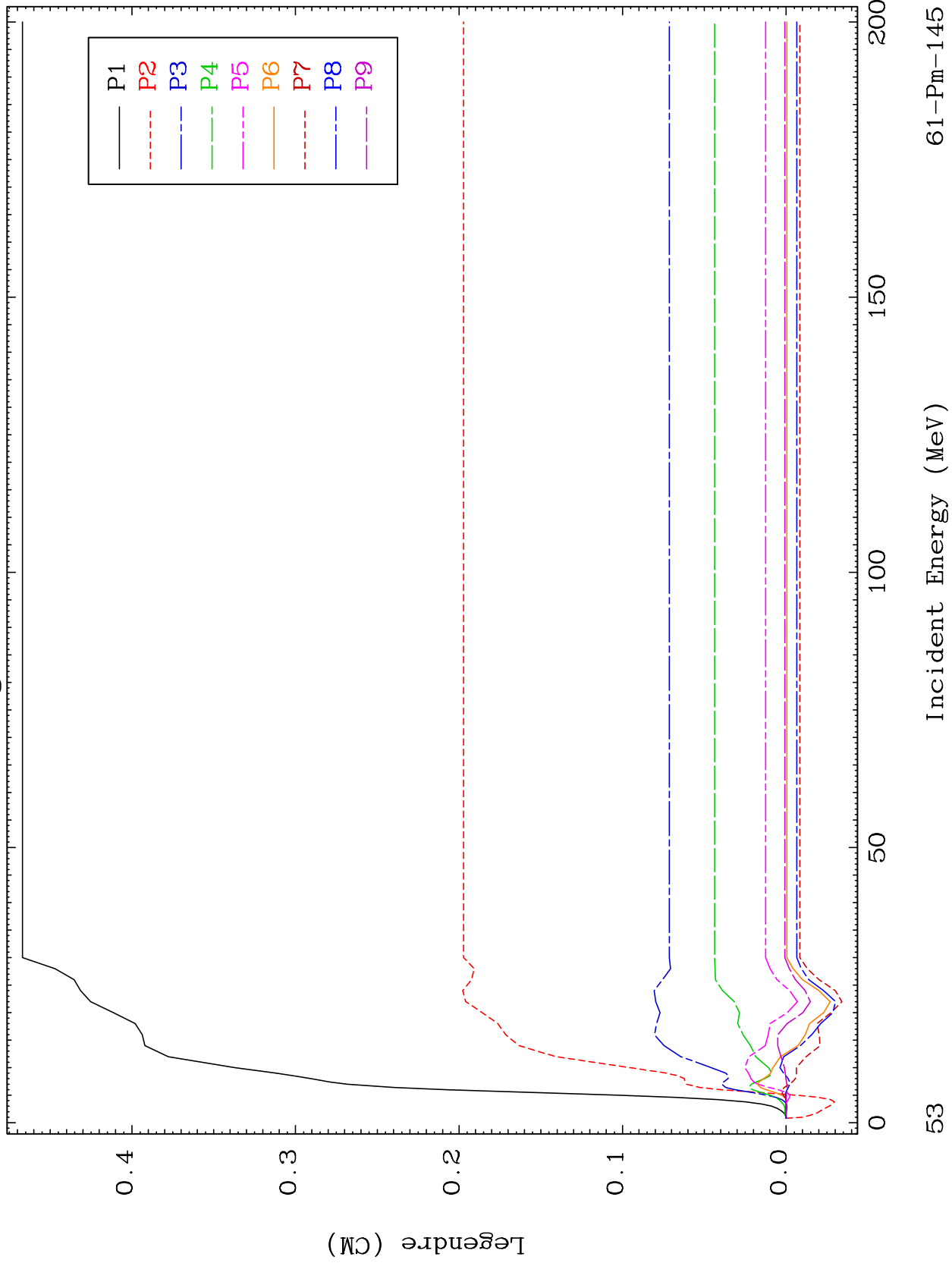
Incident Energy (MeV)

61-Pm-145

MAT 6143

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

61-Pm-145



61-Pm-145

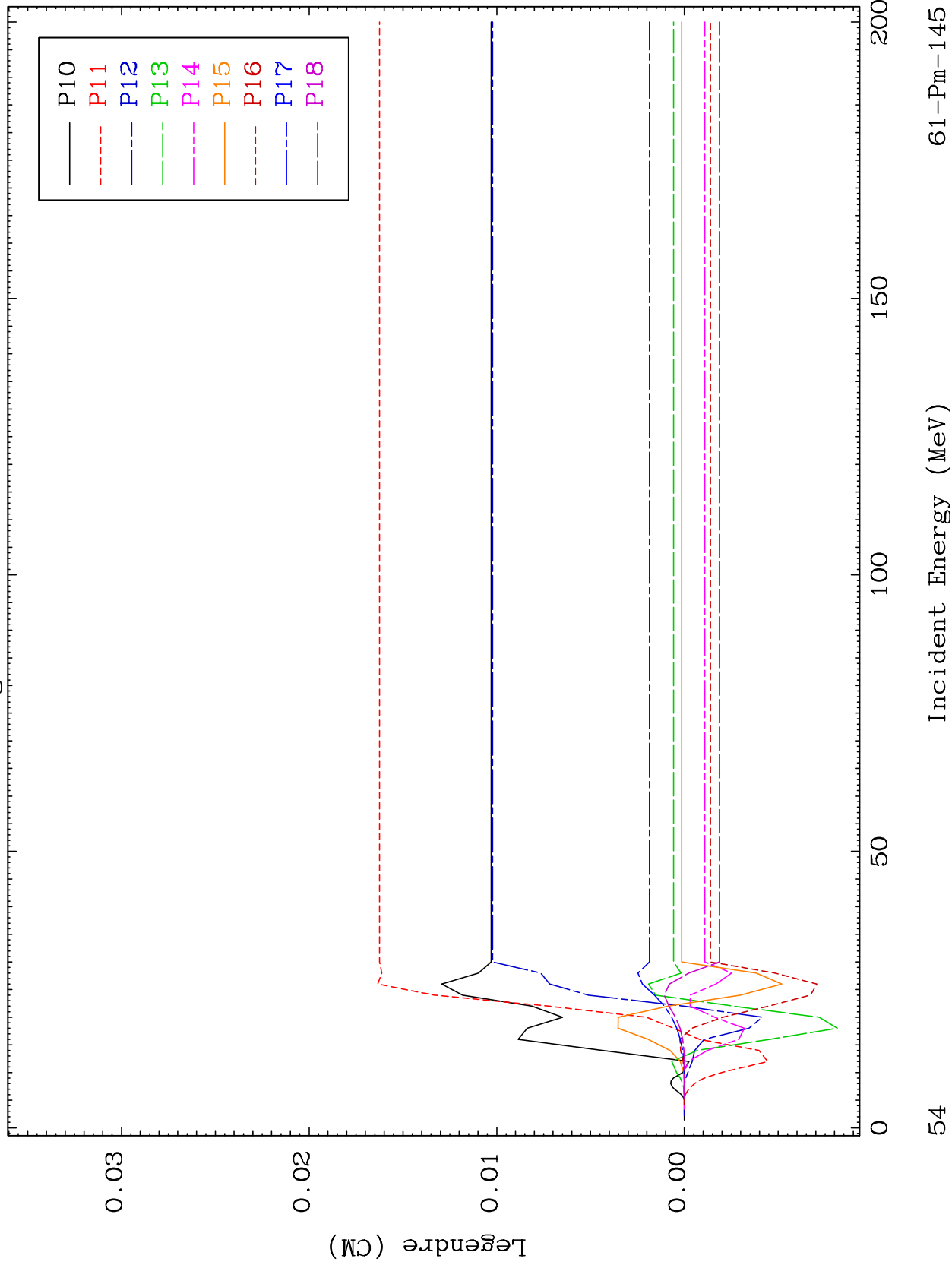
Incident Energy (MeV)

53

MAT 6143

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

61-Pm-145



54

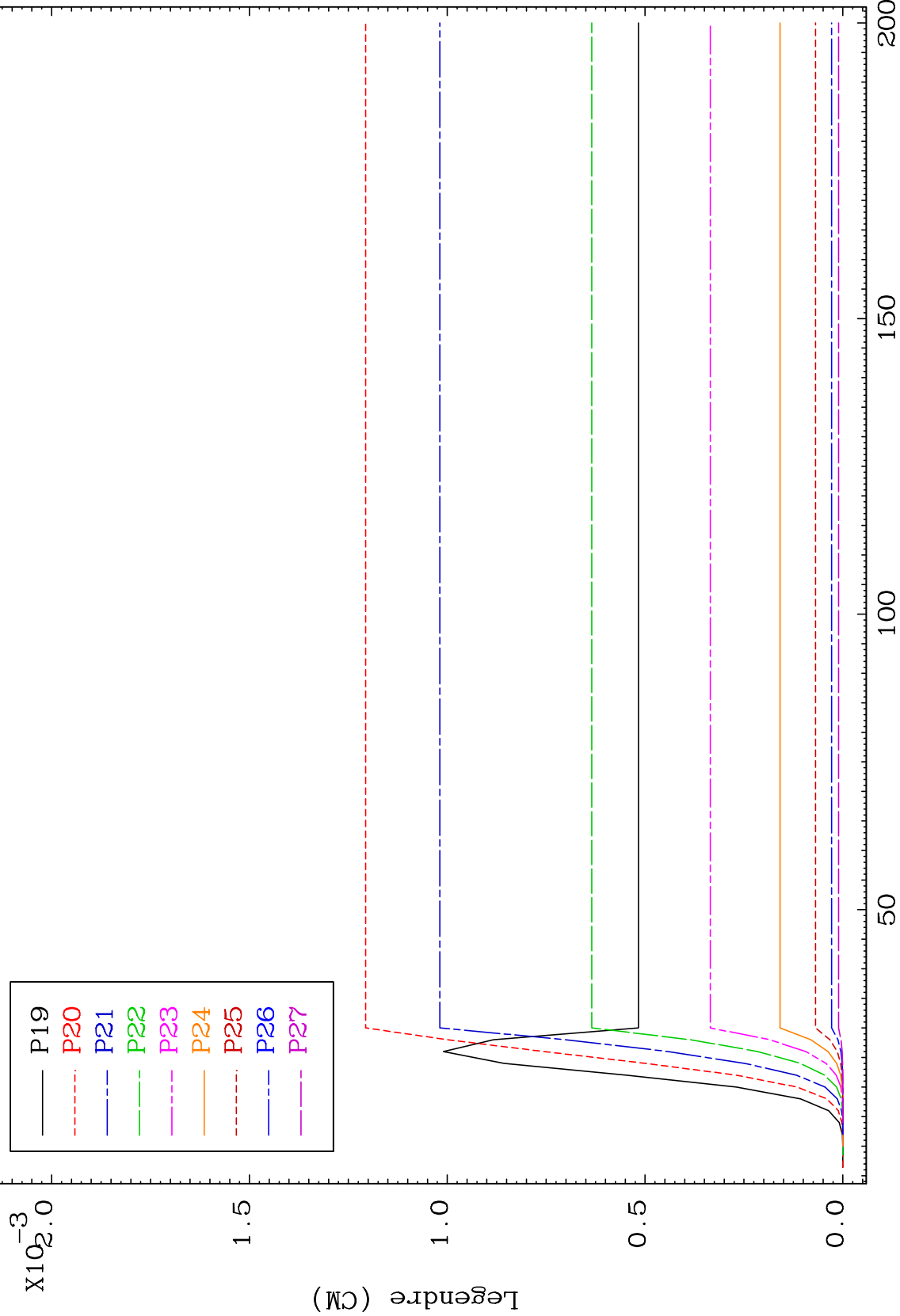
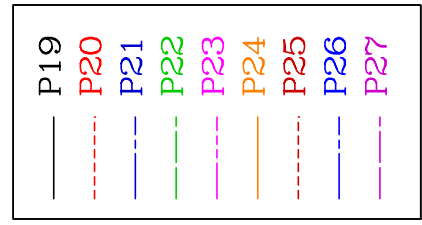
Incident Energy (MeV)

61-Pm-145

MAT 6143

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

61-Pm-145



55

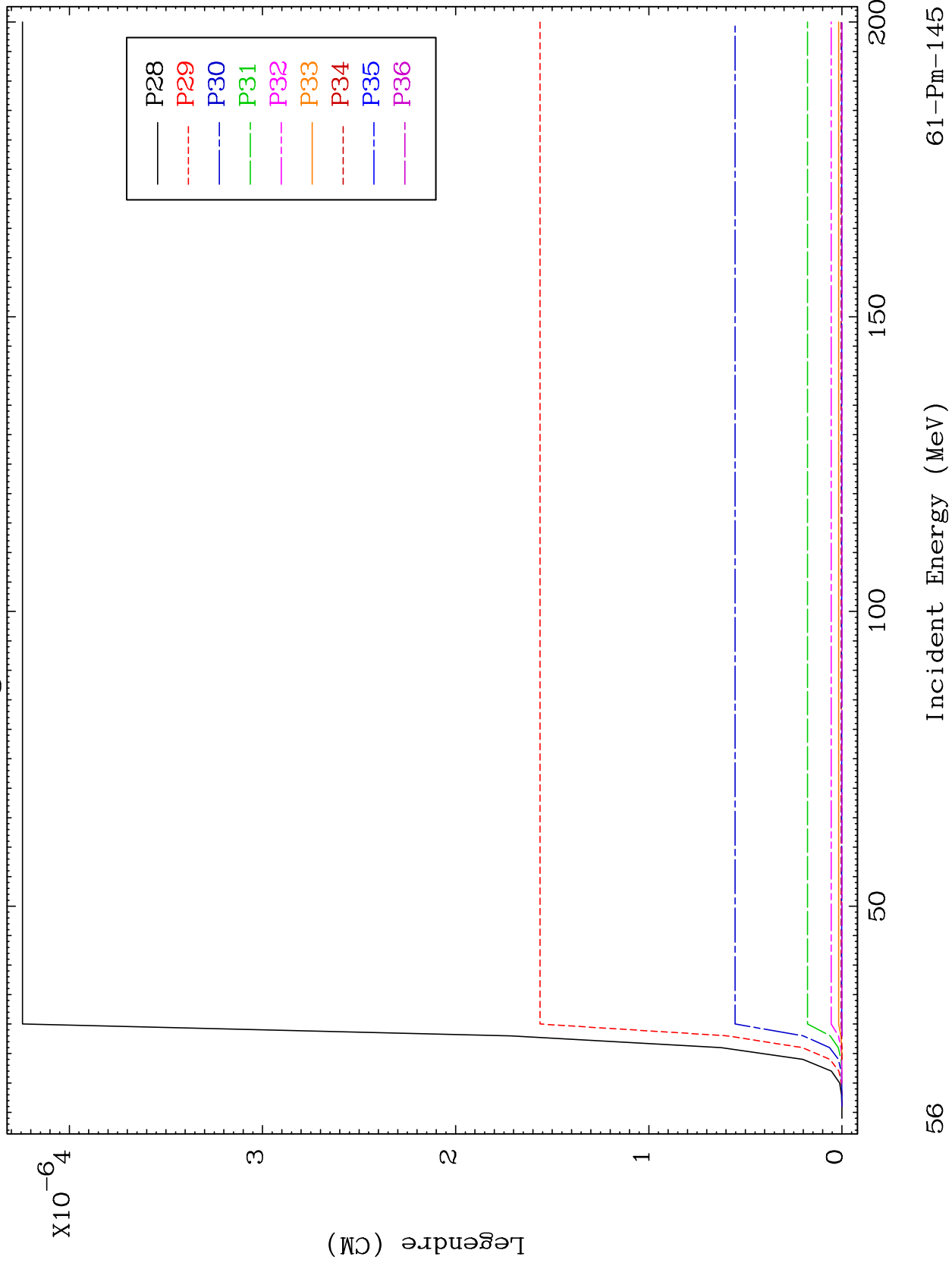
Incident Energy (MeV)

61-Pm-145

MAT 6143

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

61-Pm-145



56

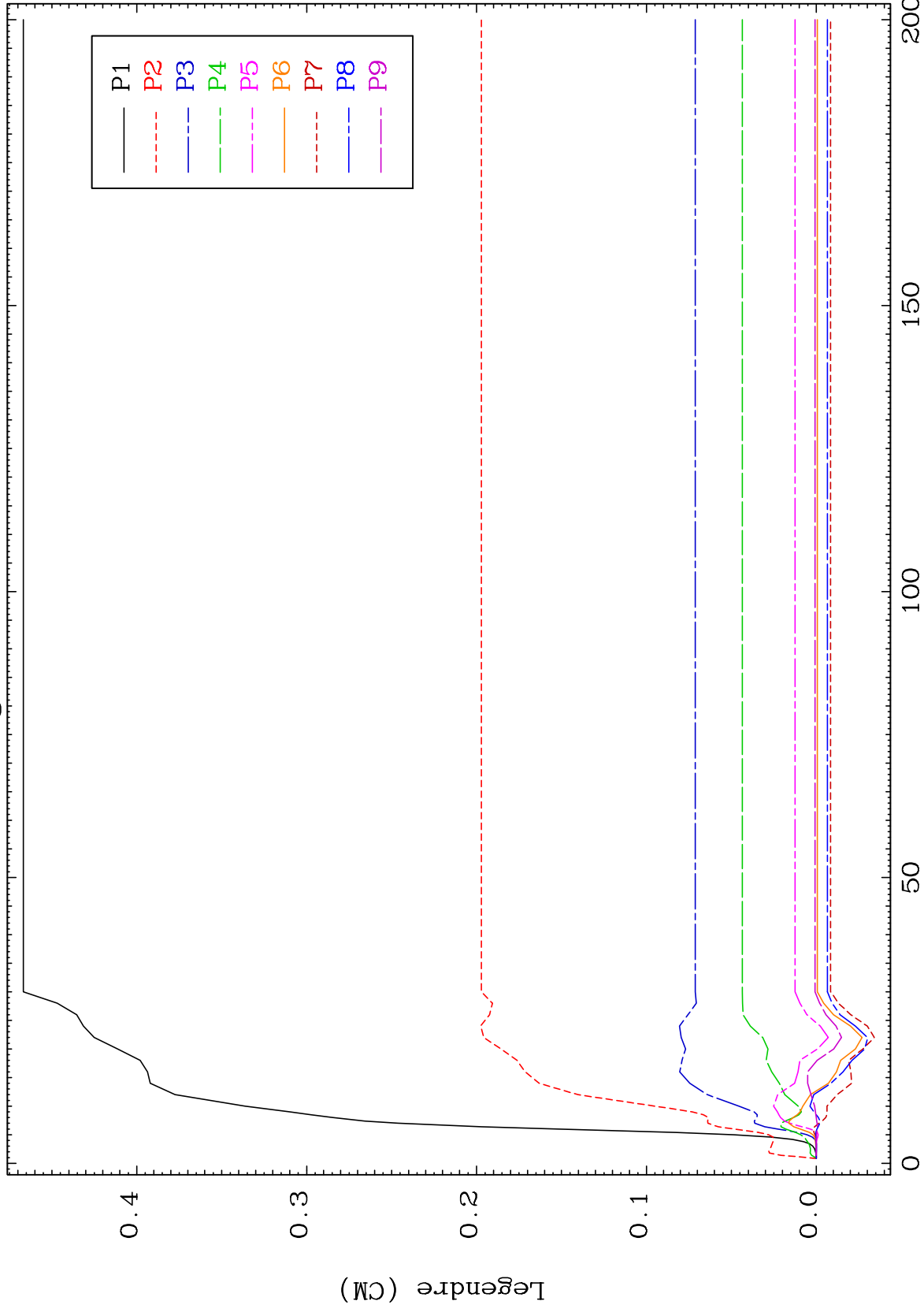
Incident Energy (MeV)

61-Pm-145

MAT 6143

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

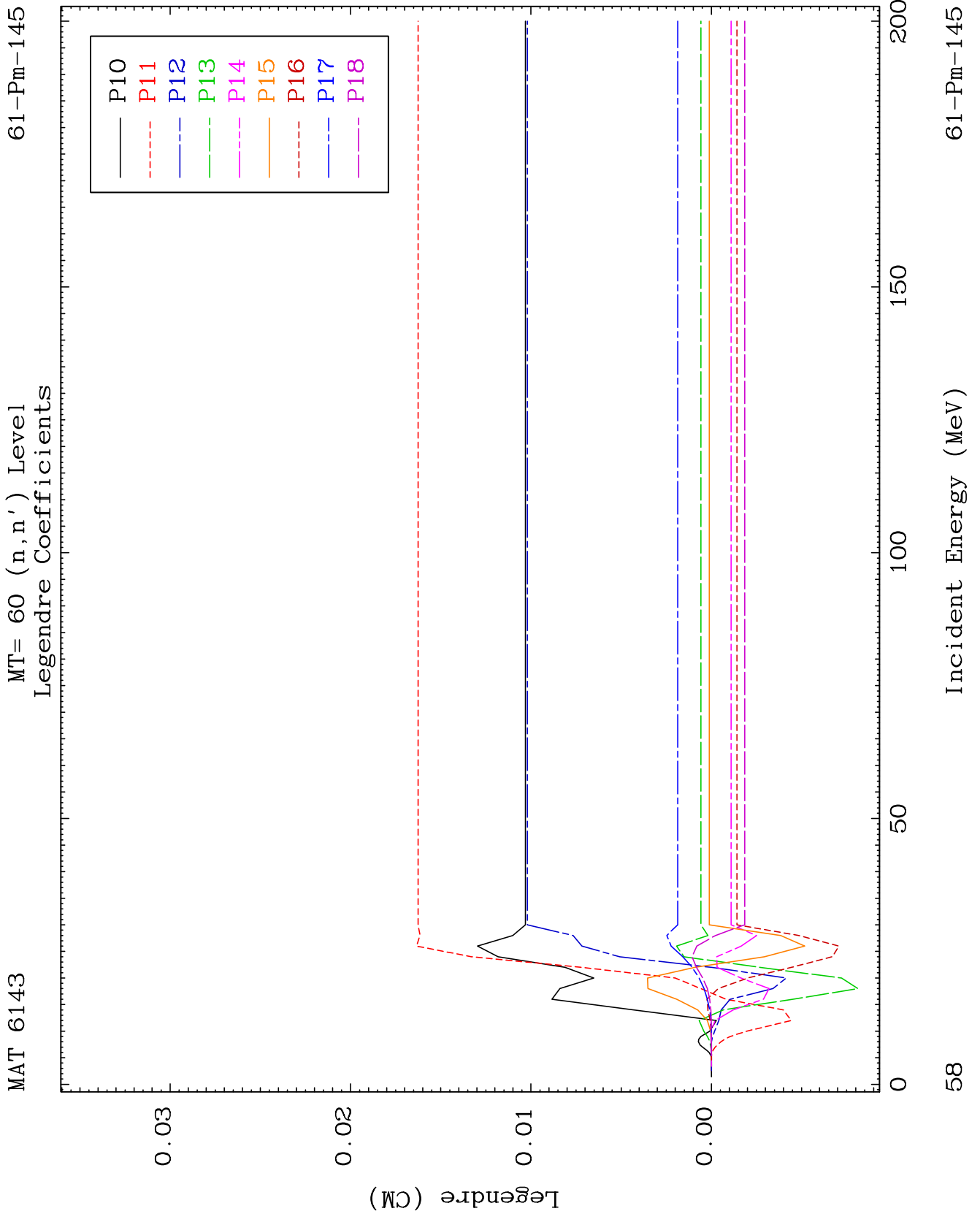
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57

Incident Energy (MeV)

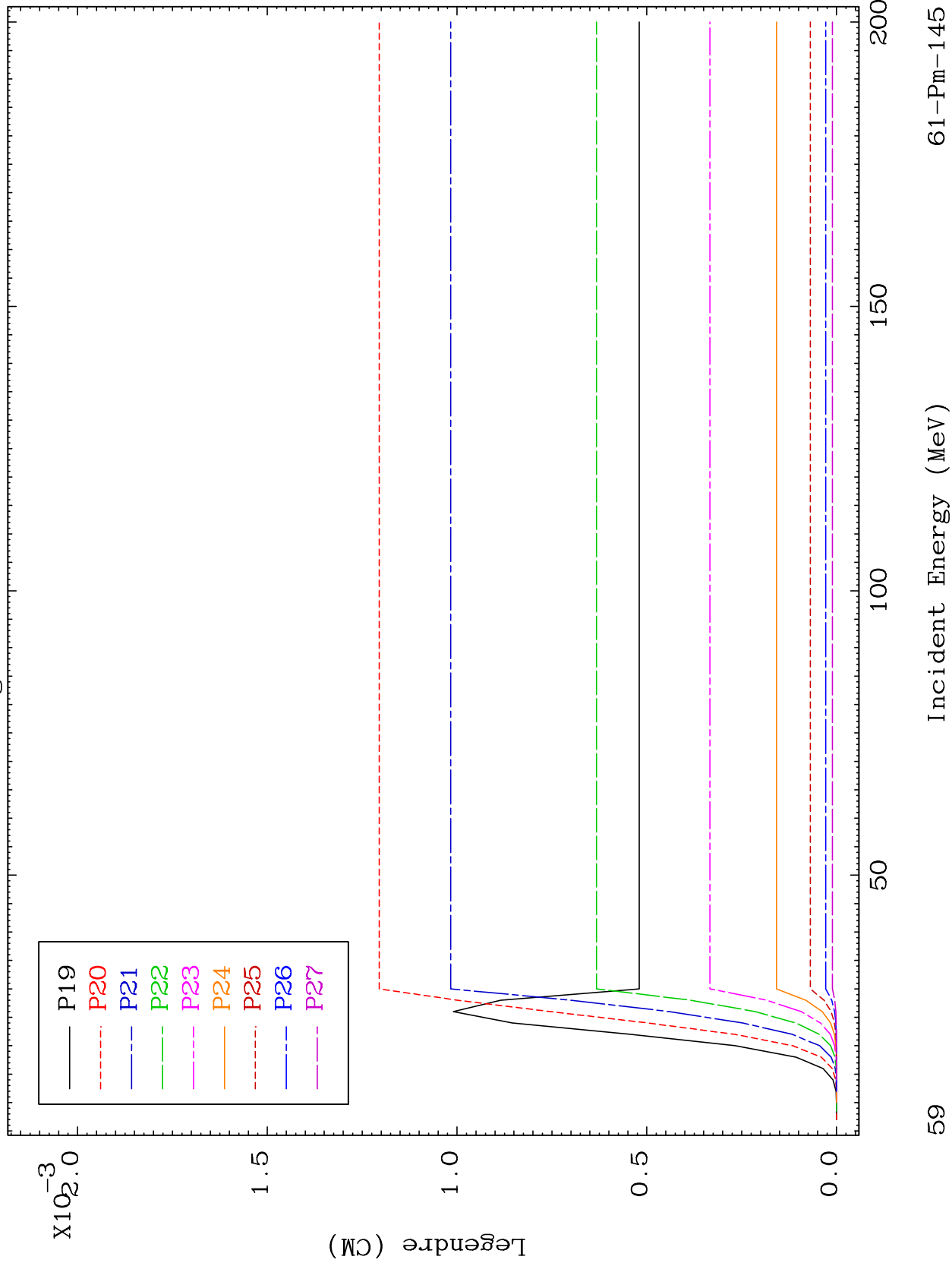
61-Pm-145



MAT 6143

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

61-Pm-145



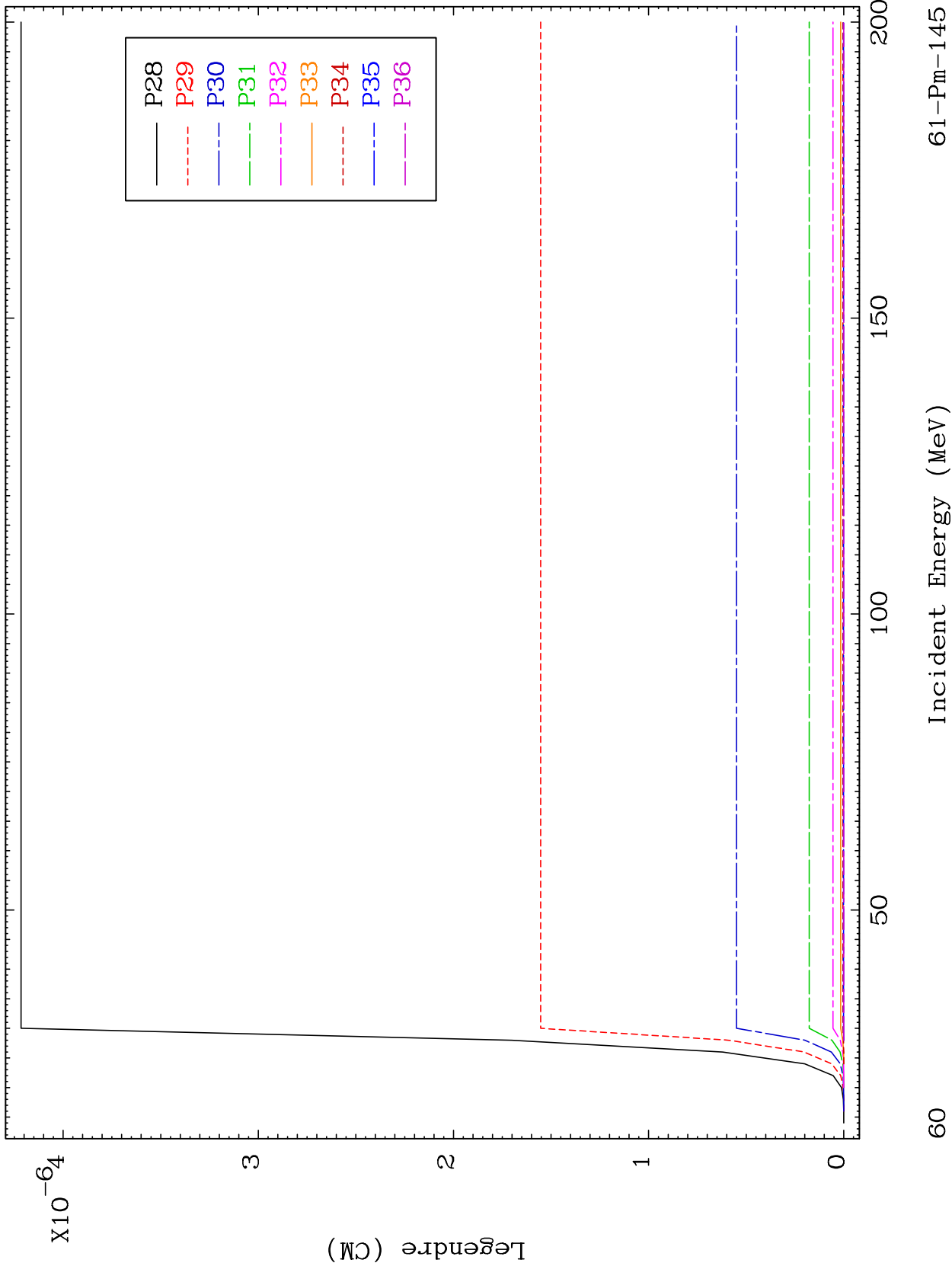
59

61-Pm-145

MAT 6143

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

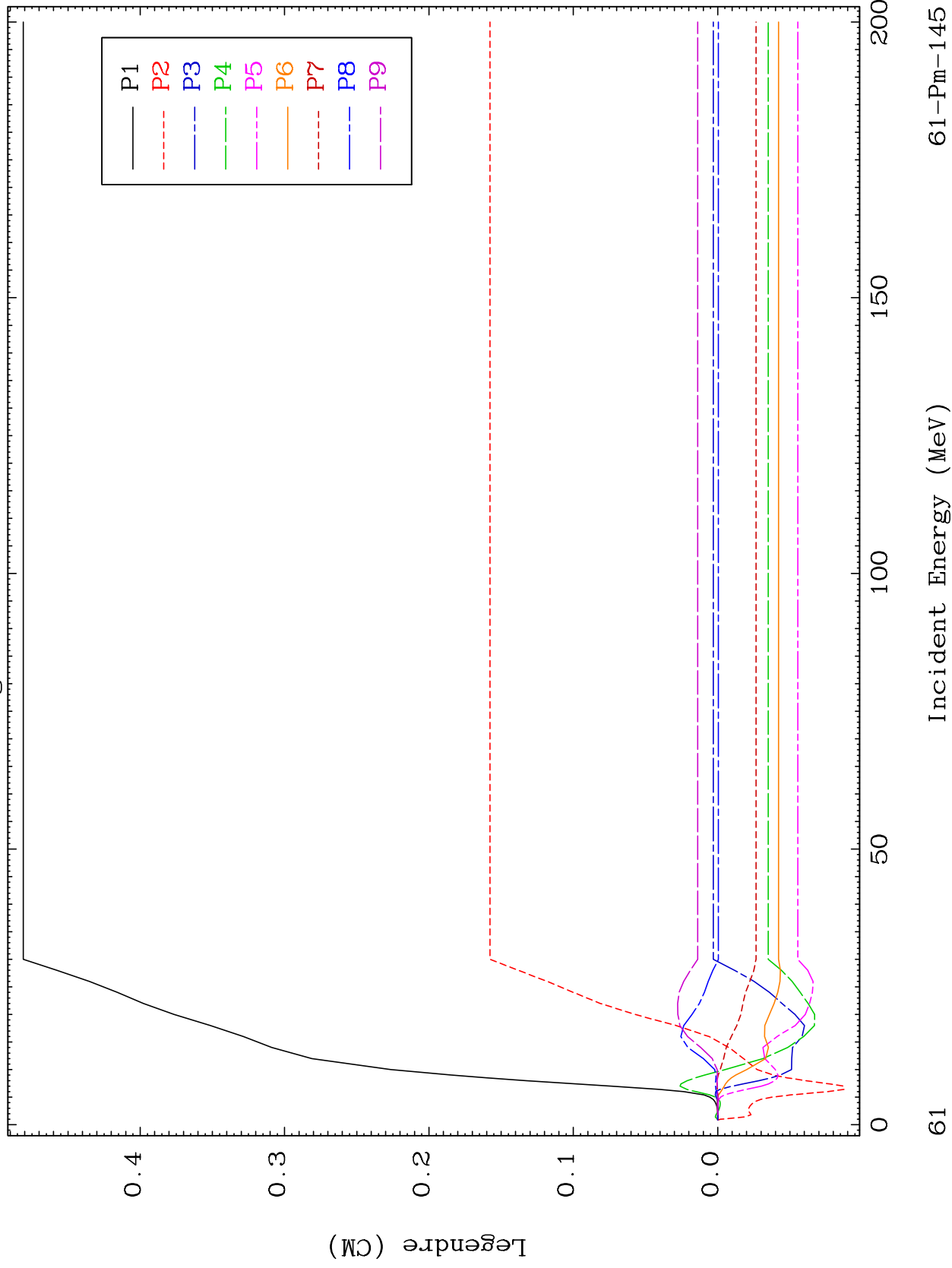
61-Pm-145



MAT 6143

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

61-Pm-145



61-Pm-145

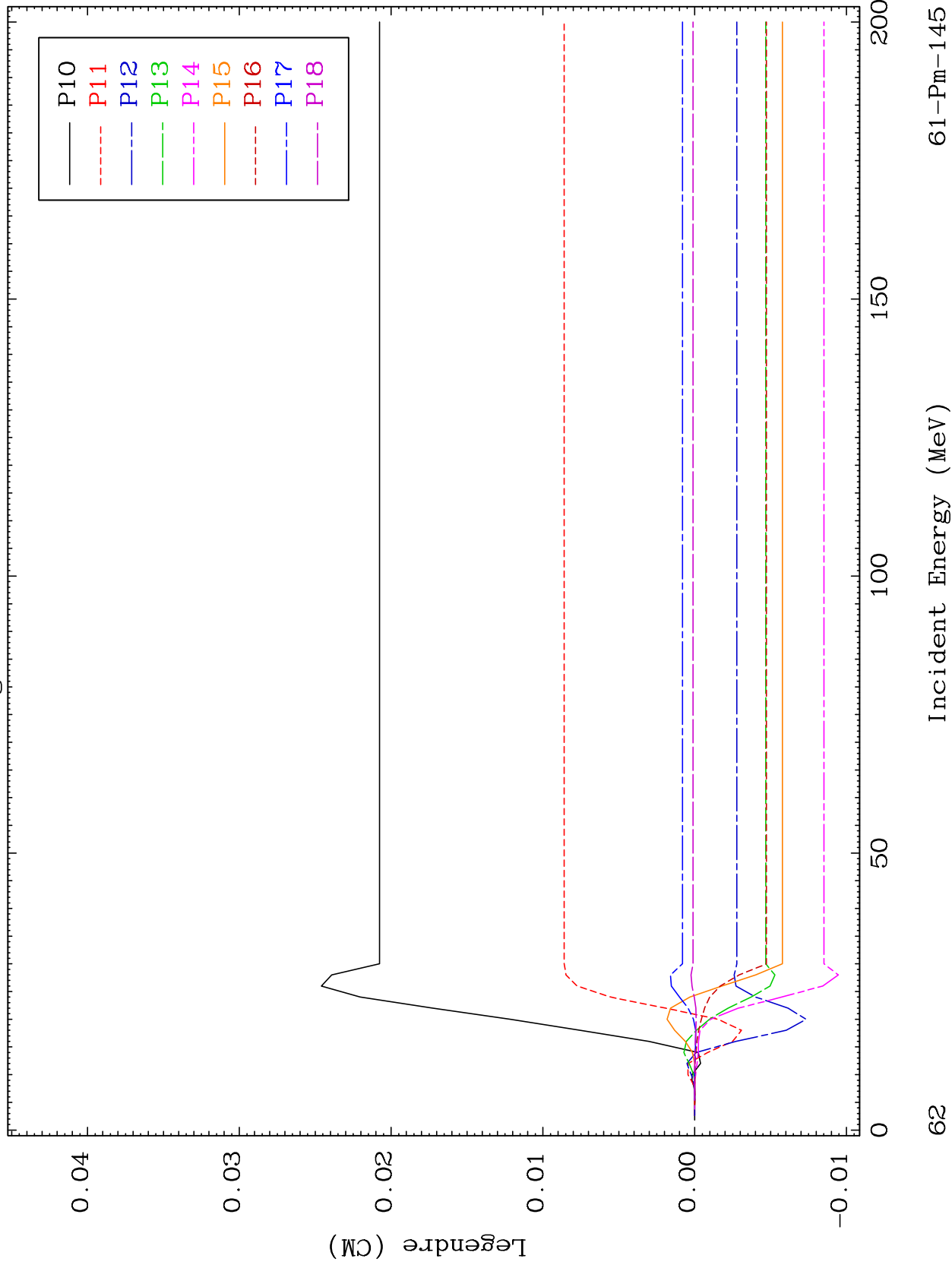
Incident Energy (MeV)

61

MAT 6143

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

61-Pm-145



61-Pm-145

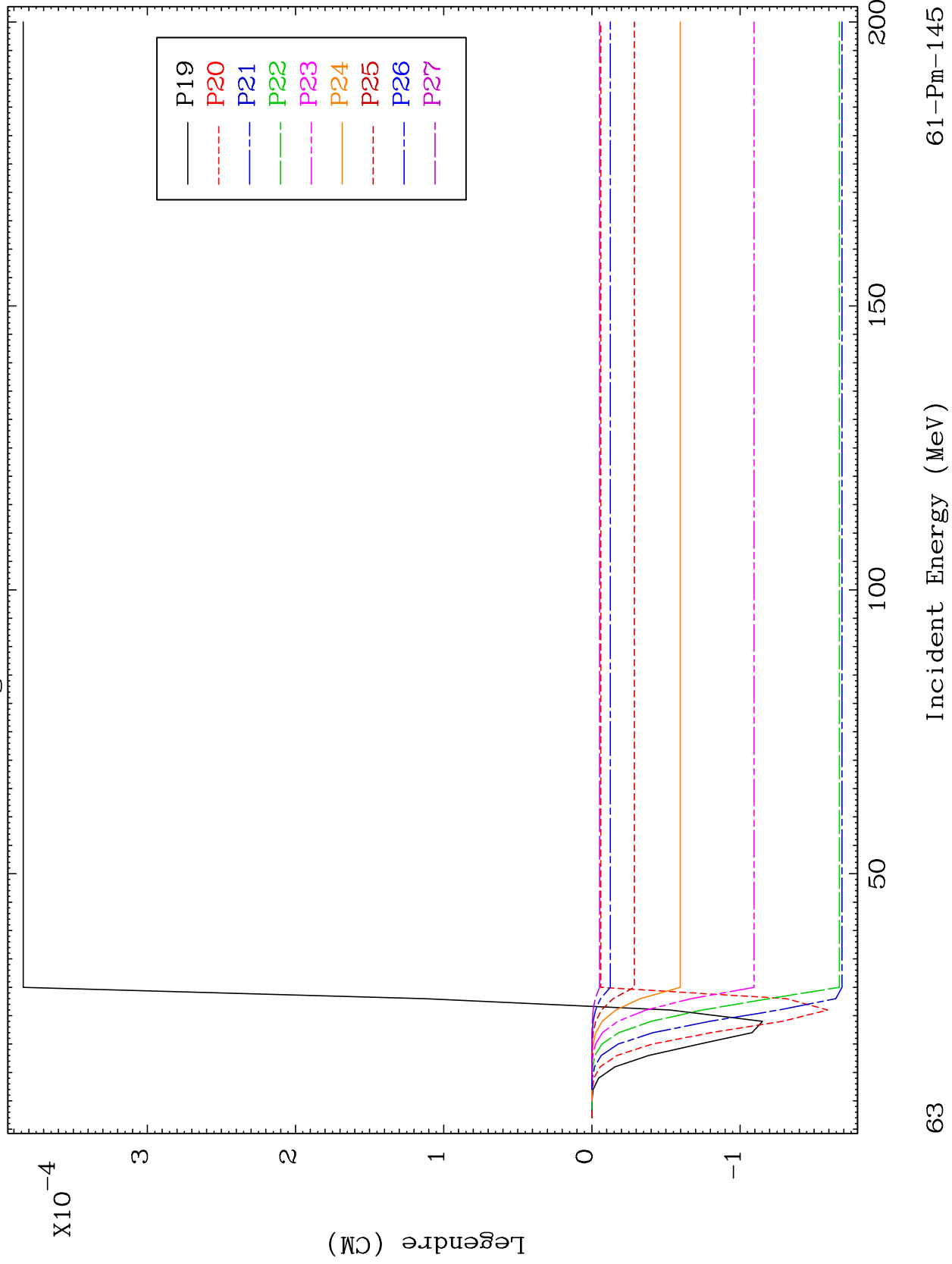
Incident Energy (MeV)

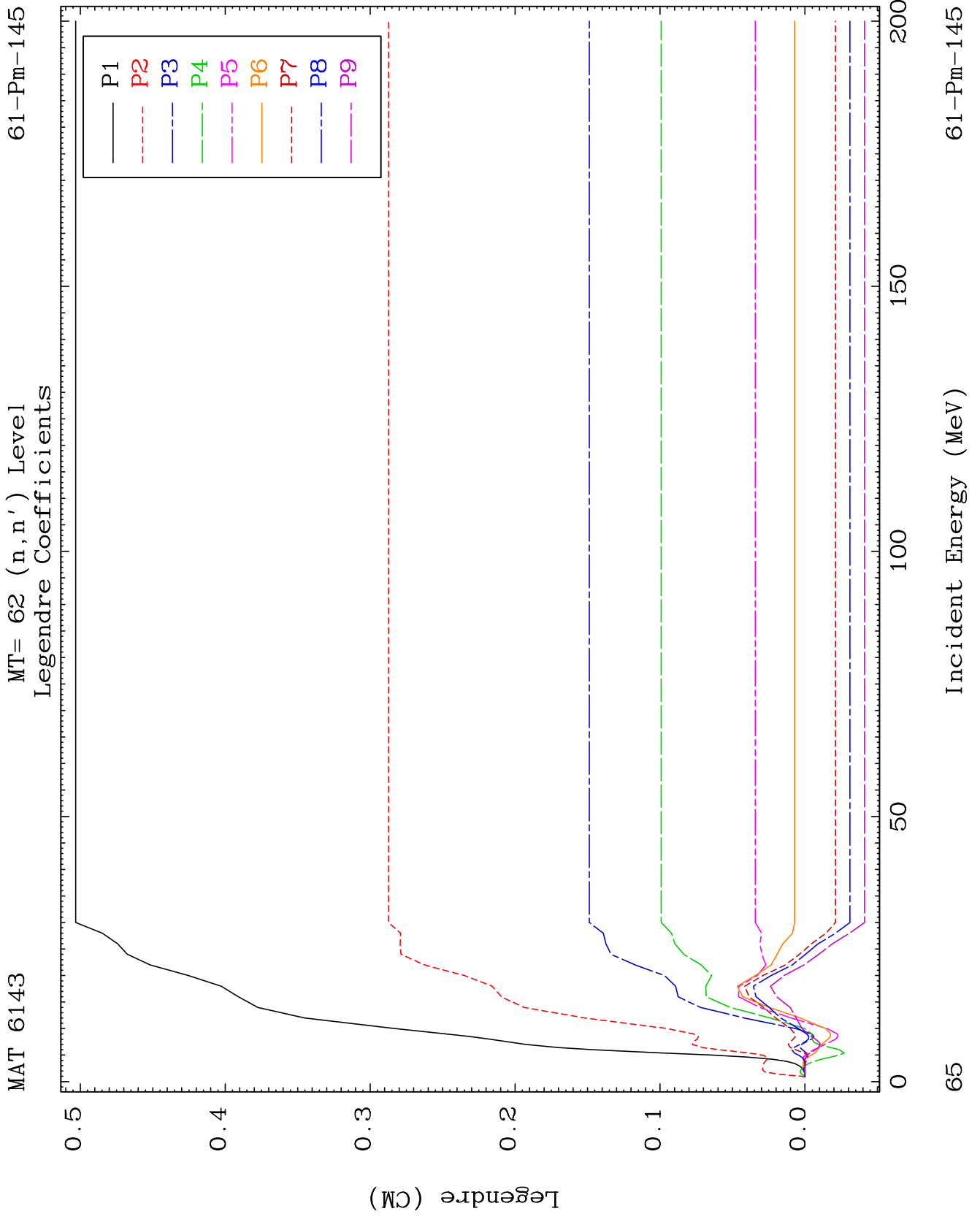
62

MAT 6143

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

61-Pm-145

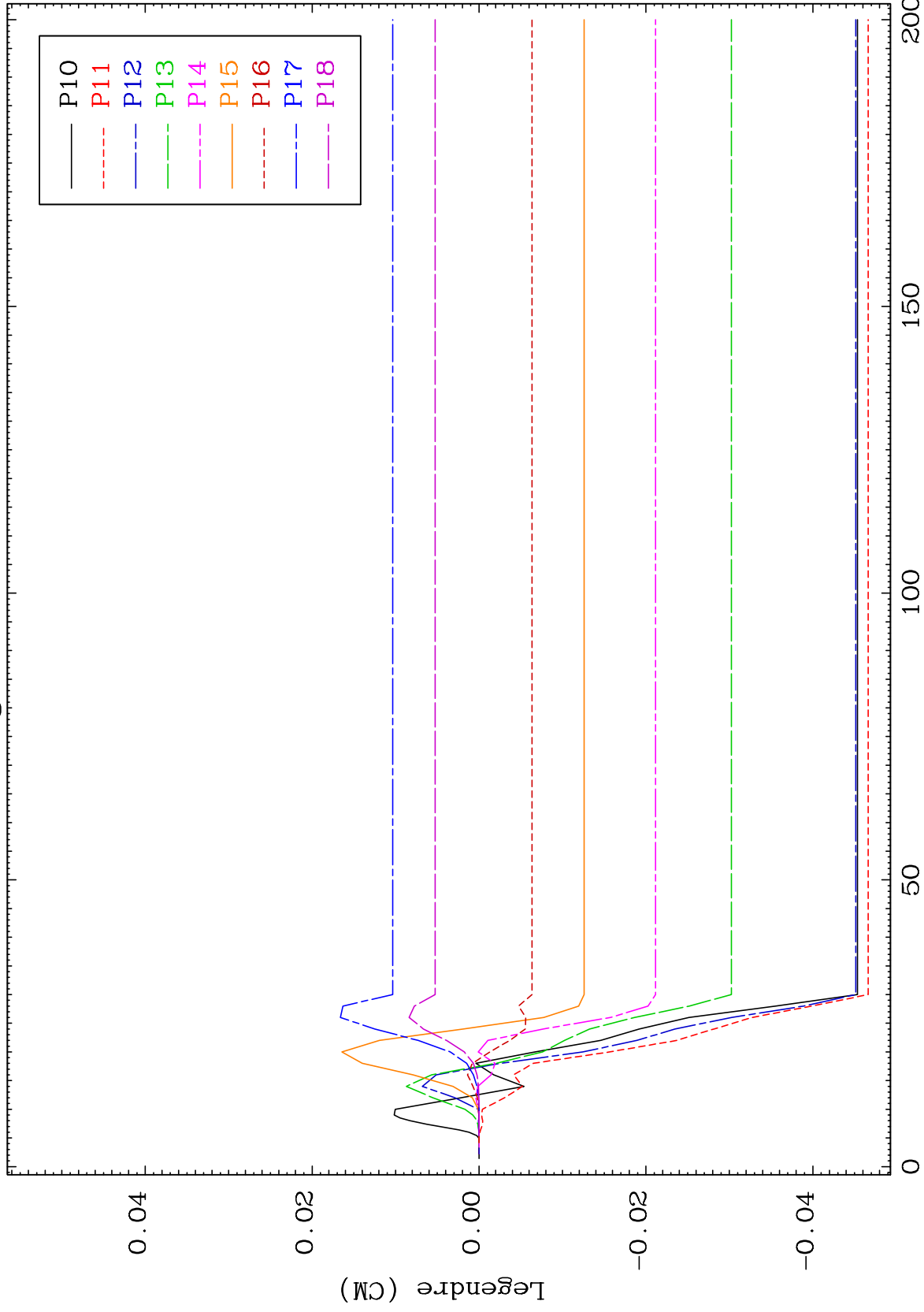




MAT 6143

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

61-Pm-145



66

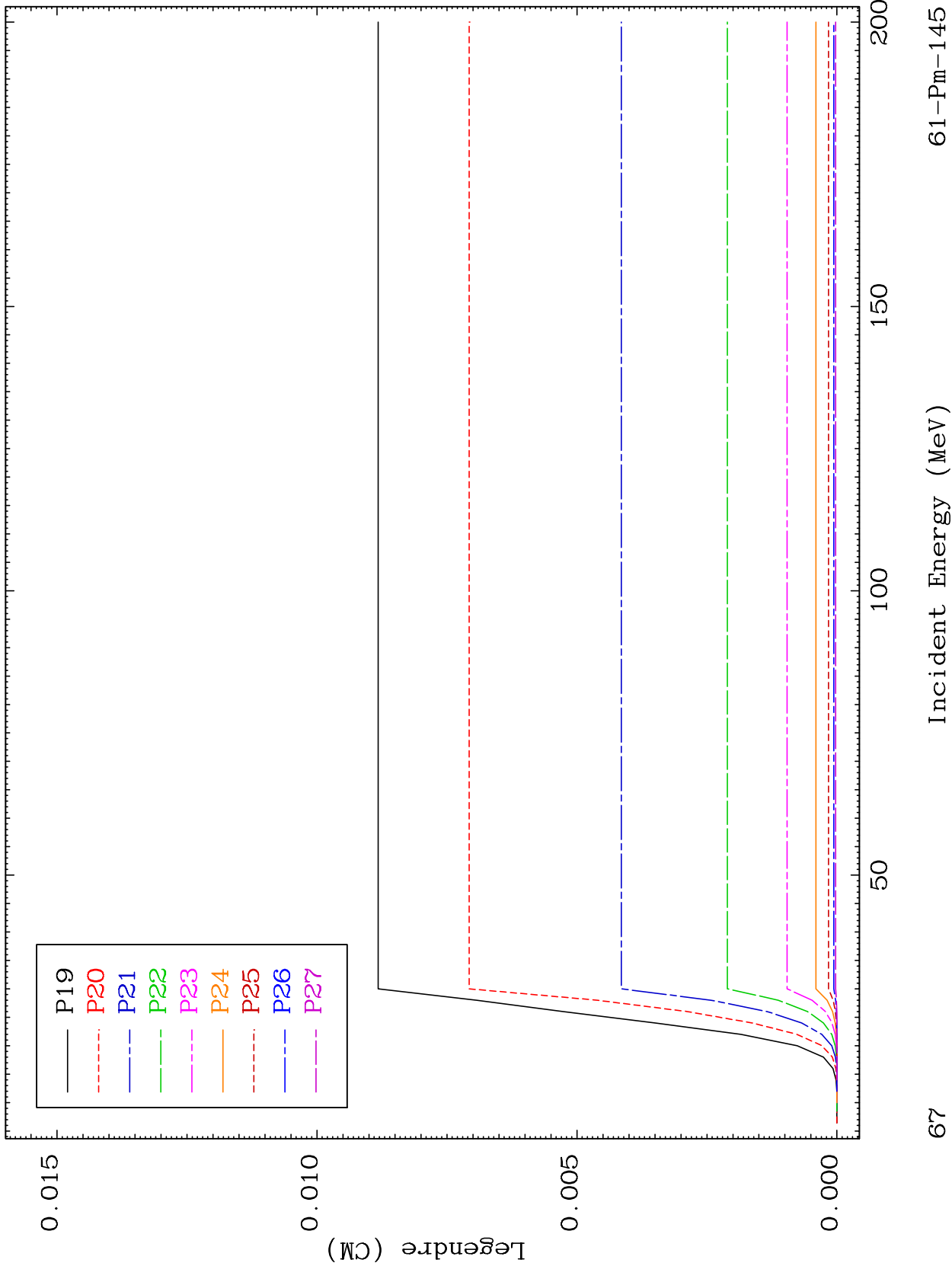
Incident Energy (MeV)

61-Pm-145

MAT 6143

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

61-Pm-145



67

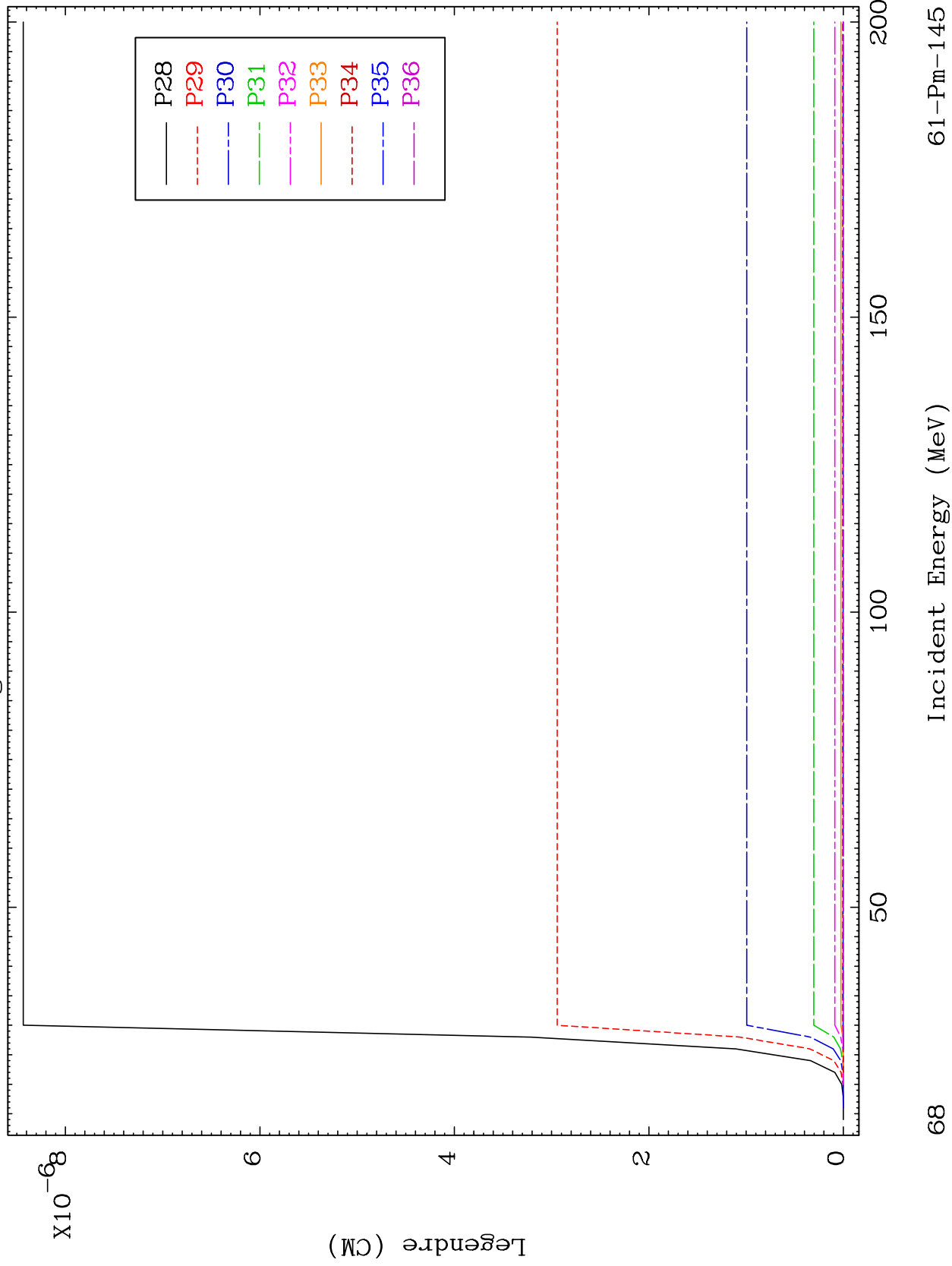
Incident Energy (MeV)

61-Pm-145

MAT 6143

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

61-Pm-145



68

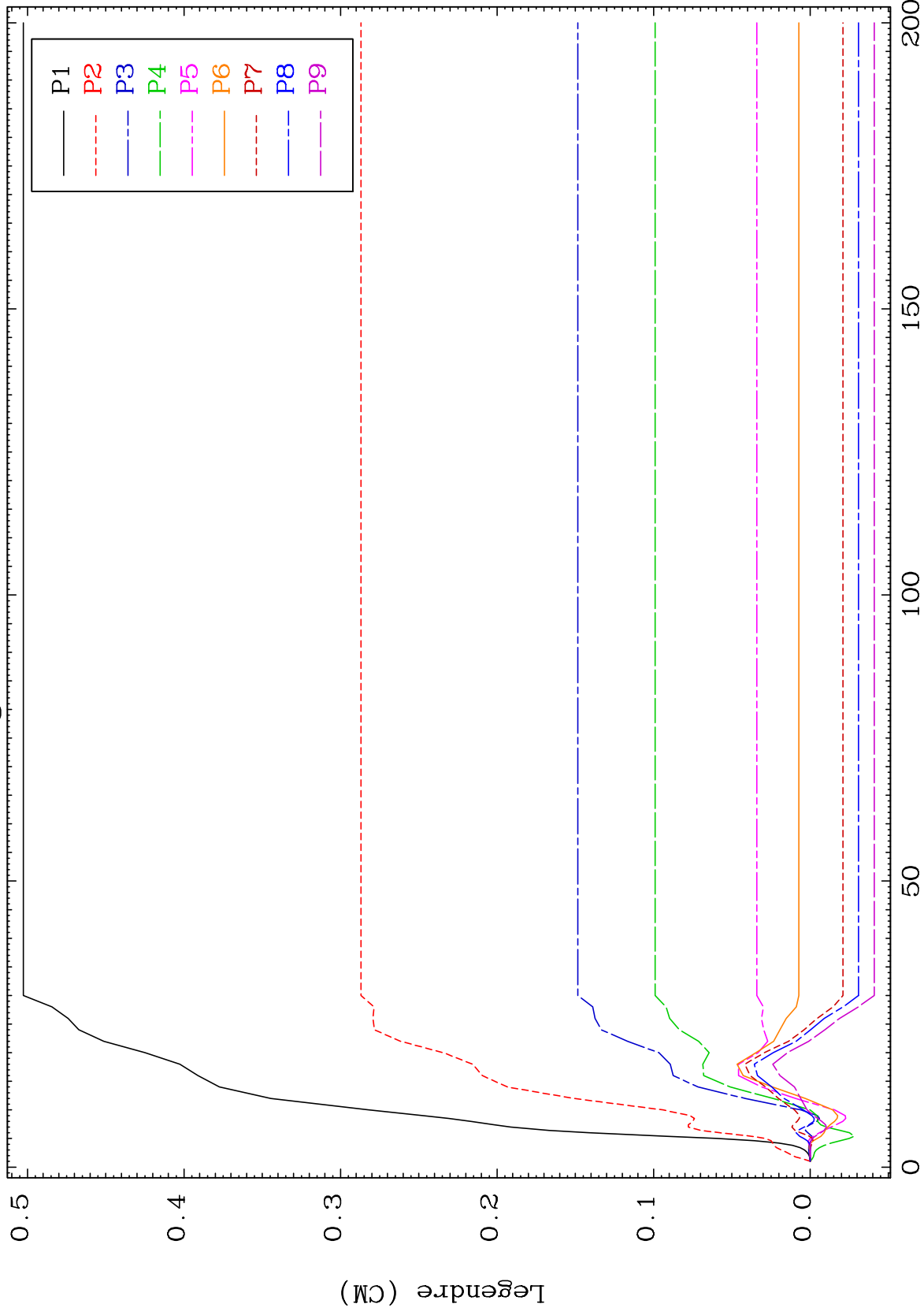
Incident Energy (MeV)

61-Pm-145

MAT 6143

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

61-Pm-145



69

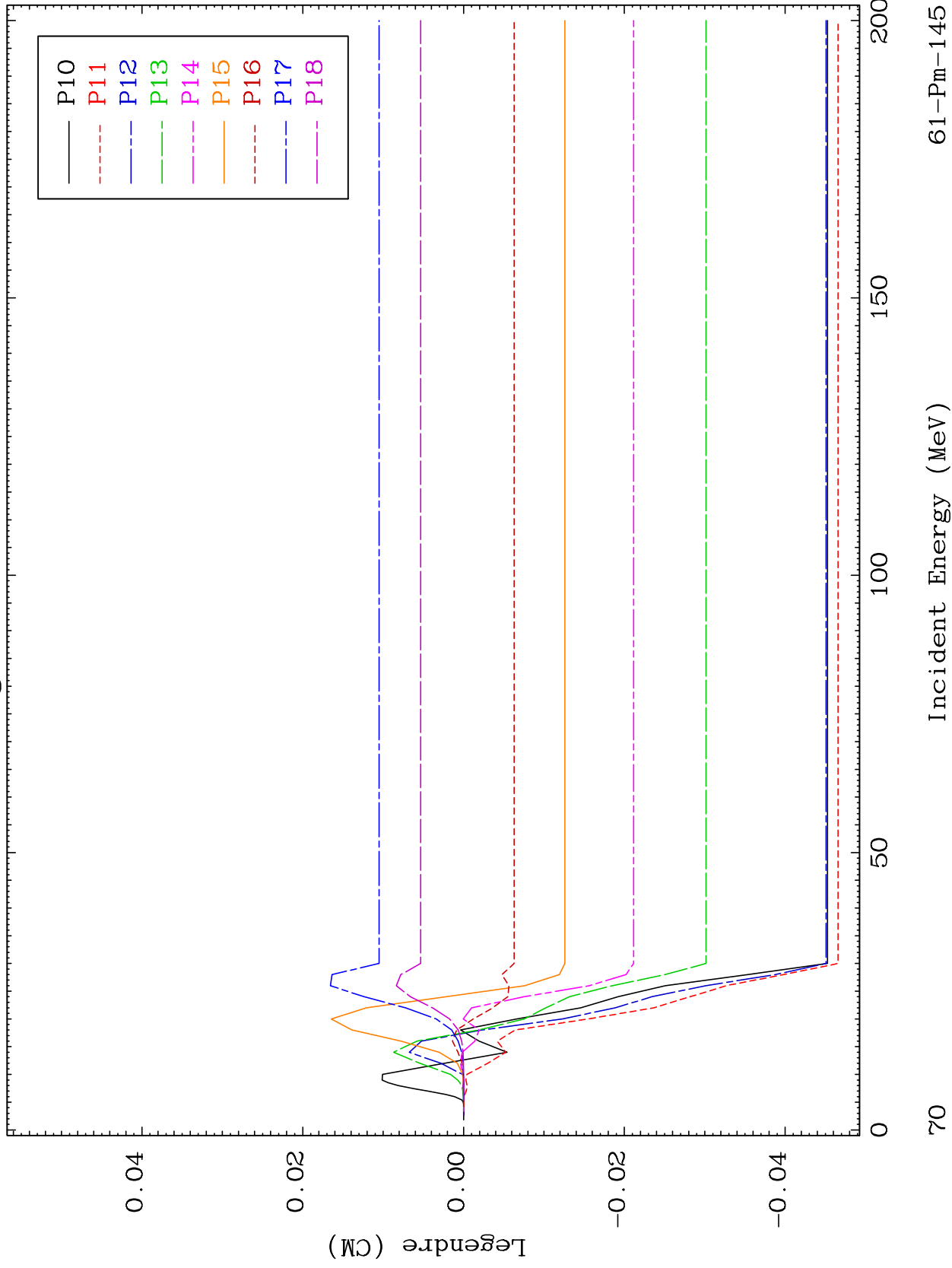
Incident Energy (MeV)

61-Pm-145

MAT 6143

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

61-Pm-145



61-Pm-145

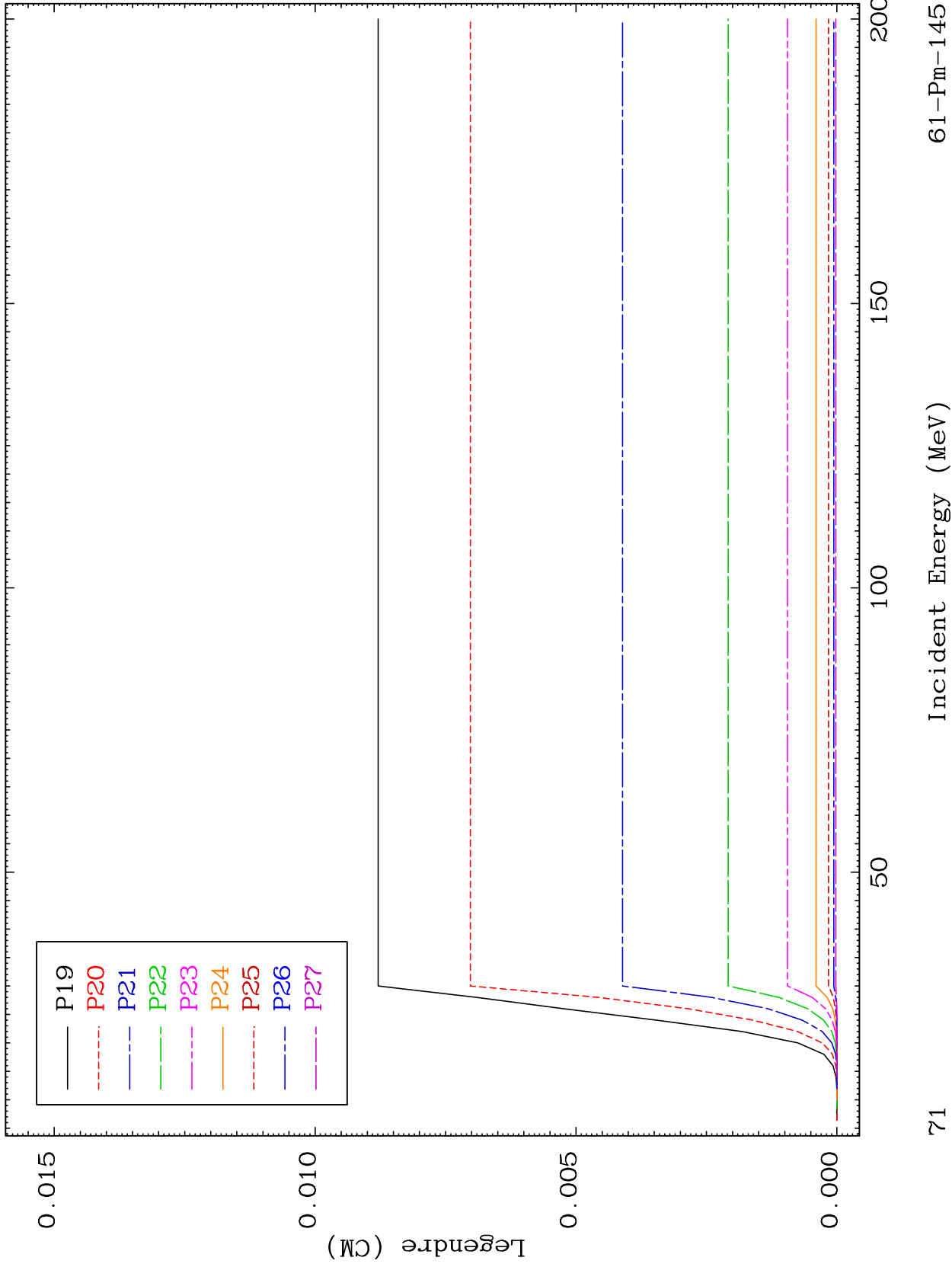
Incident Energy (MeV)

70

MAT 6143

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

61-Pm-145



71

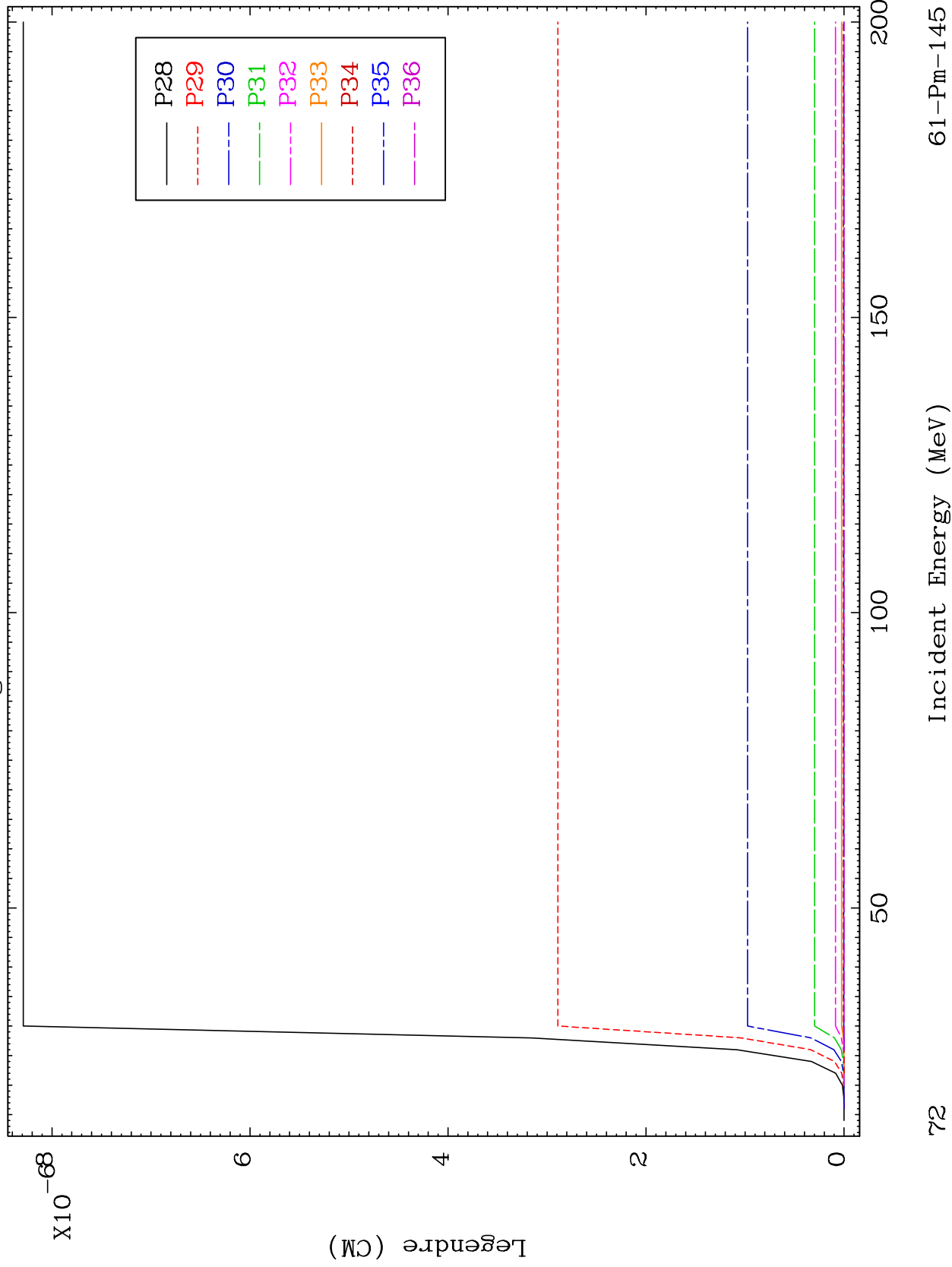
Incident Energy (MeV)

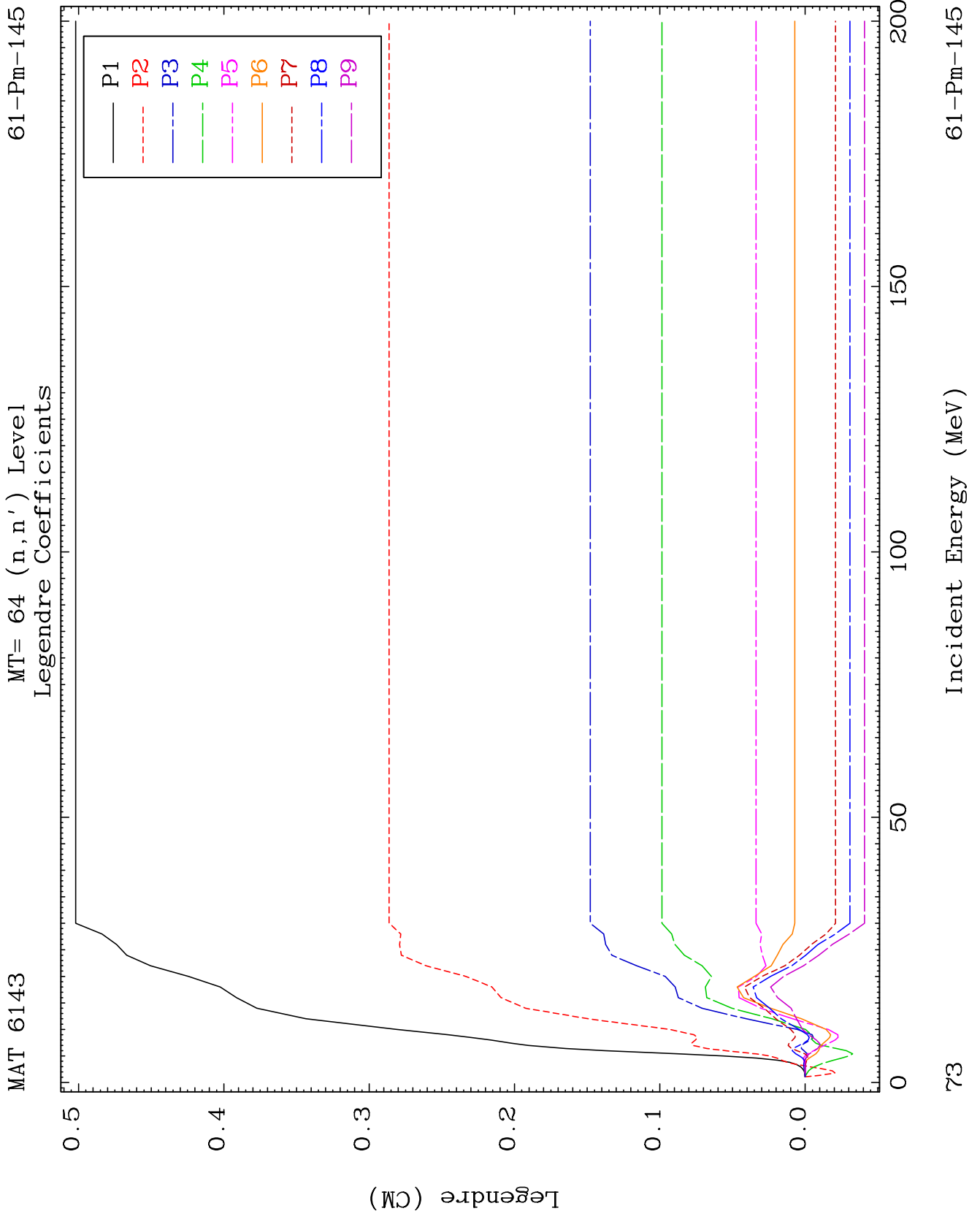
61-Pm-145

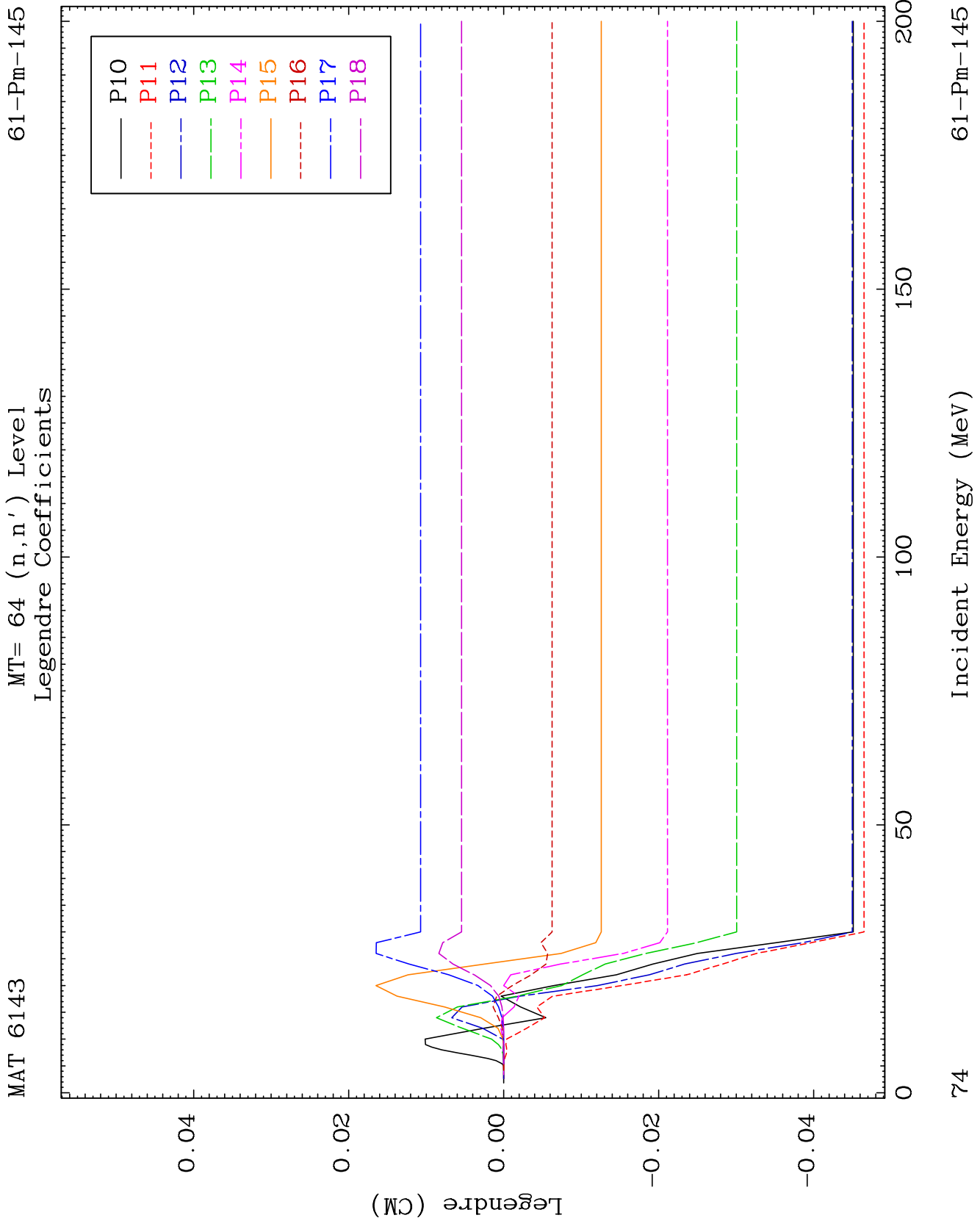
MAT 6143

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

61-Pm-145



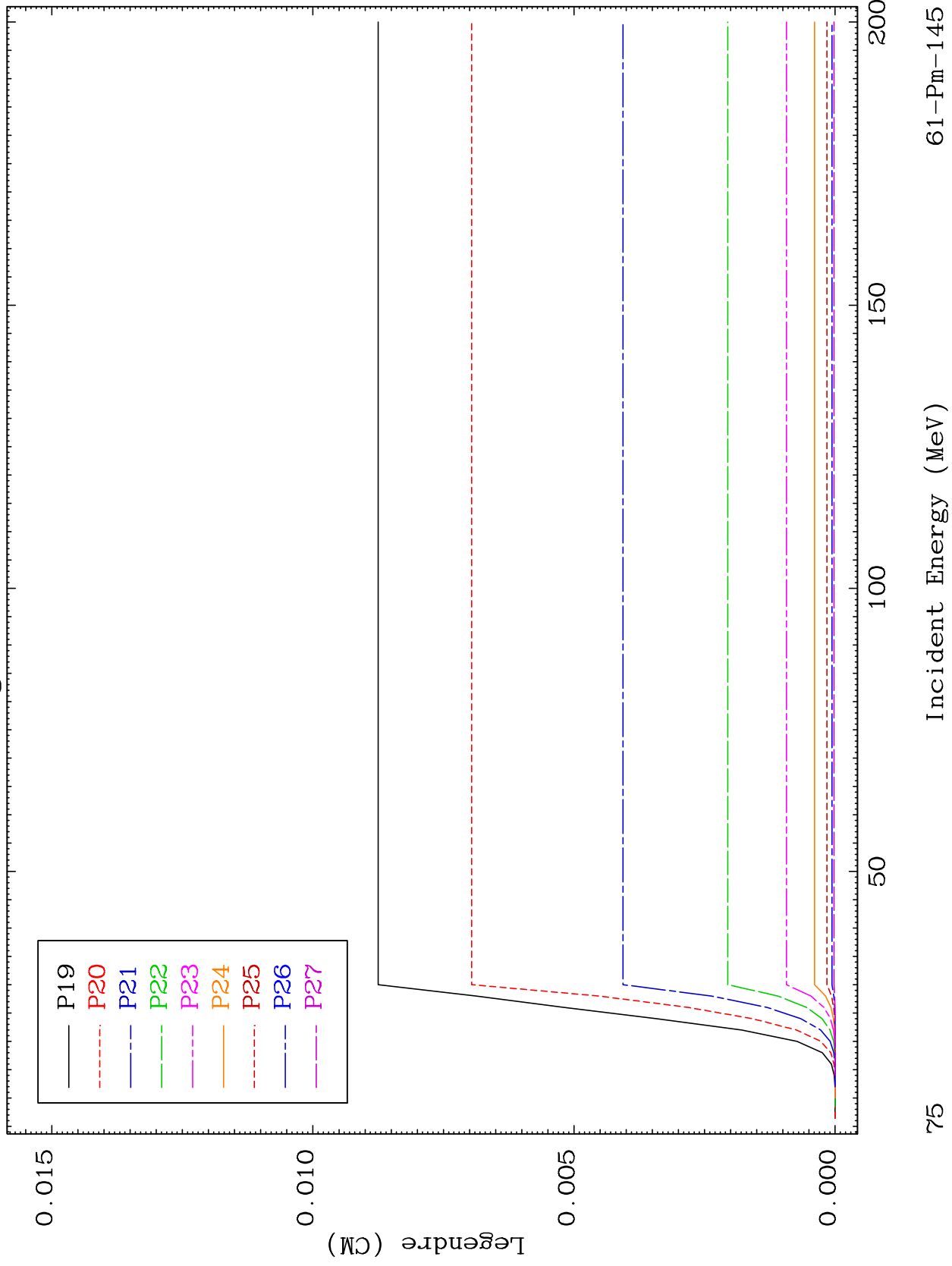




MAT 6143

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

61-Pm-145



75

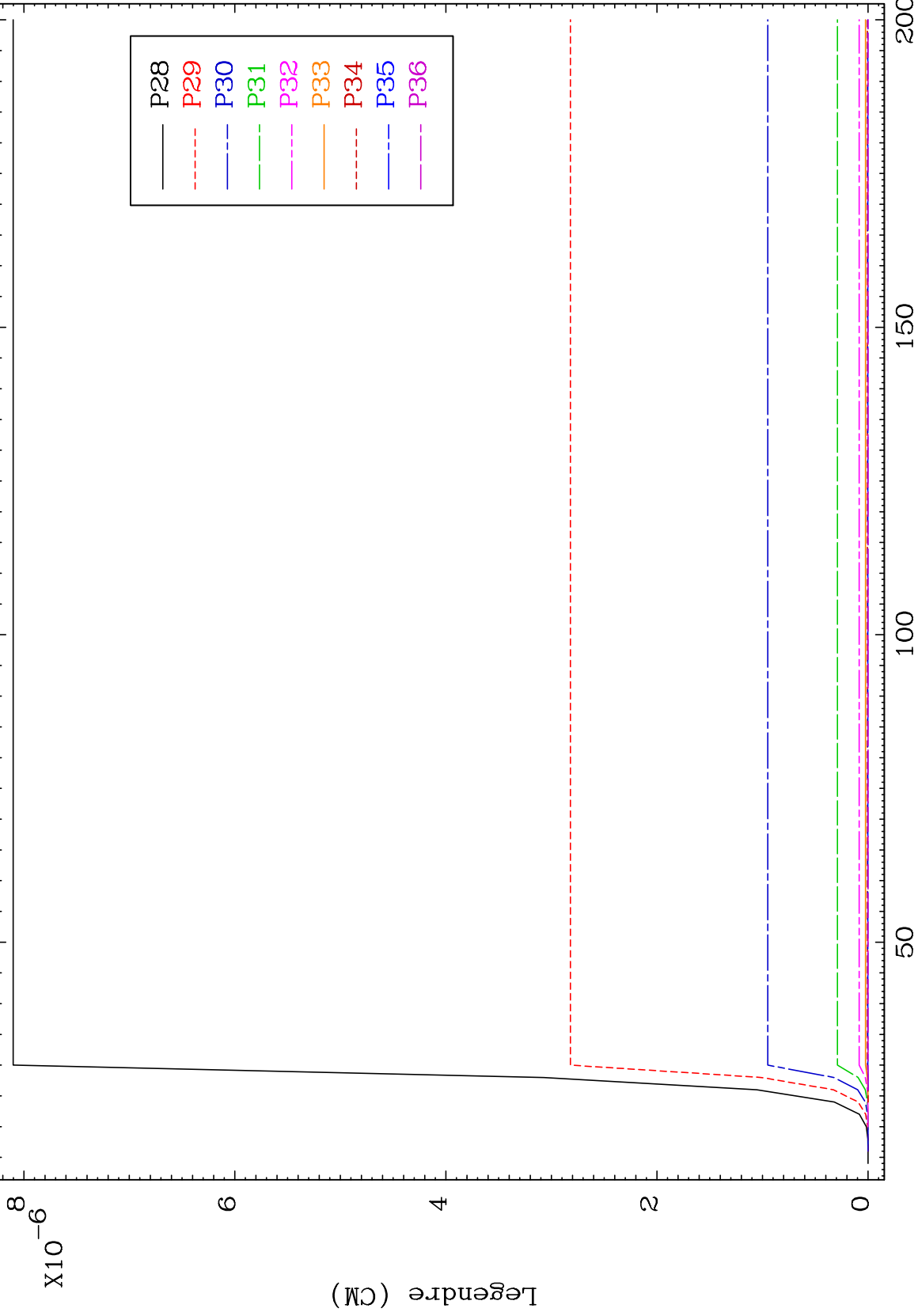
Incident Energy (MeV)

61-Pm-145

MAT 6143

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

61-Pm-145



76

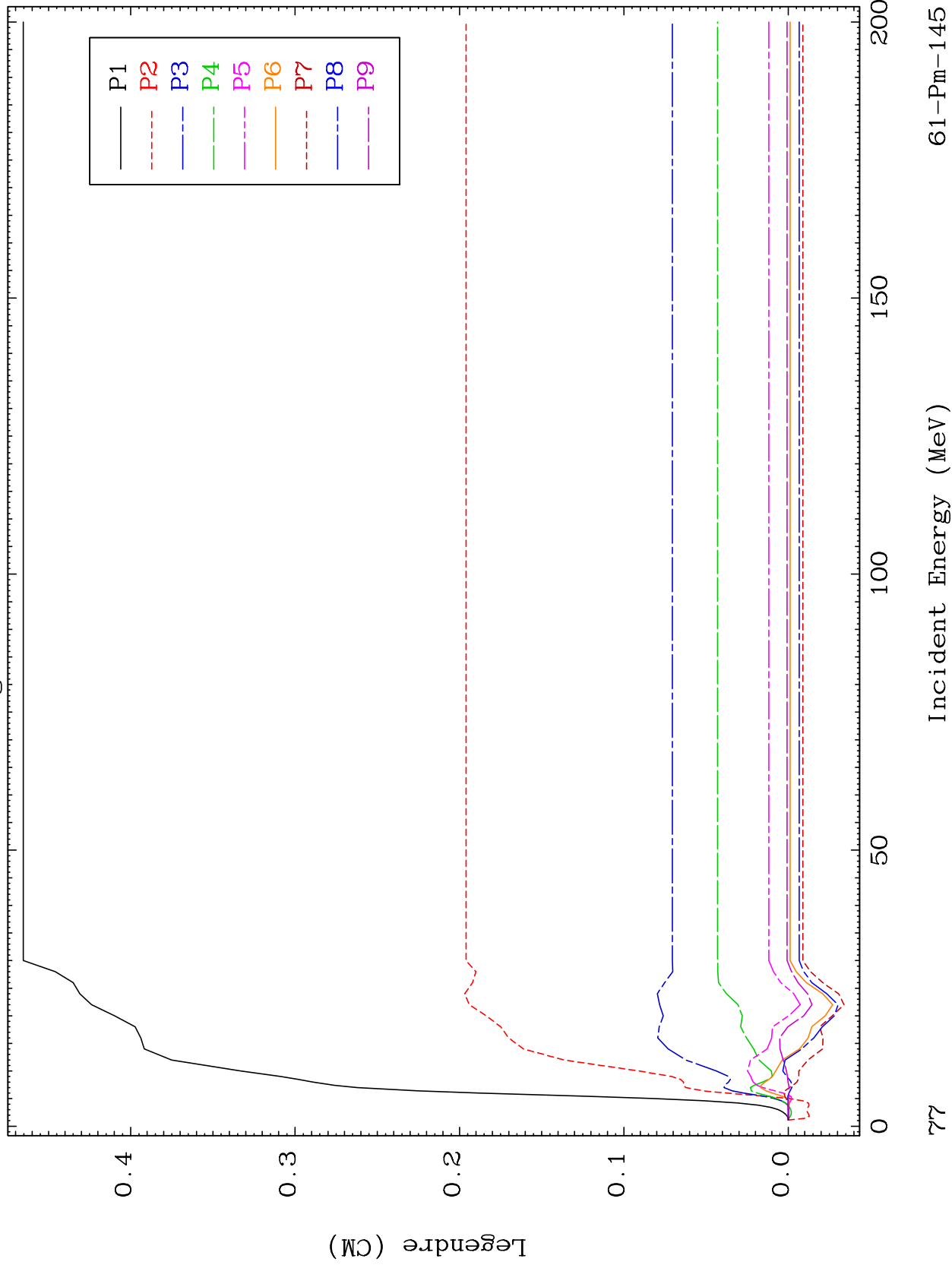
Incident Energy (MeV)

61-Pm-145

MAT 6143

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

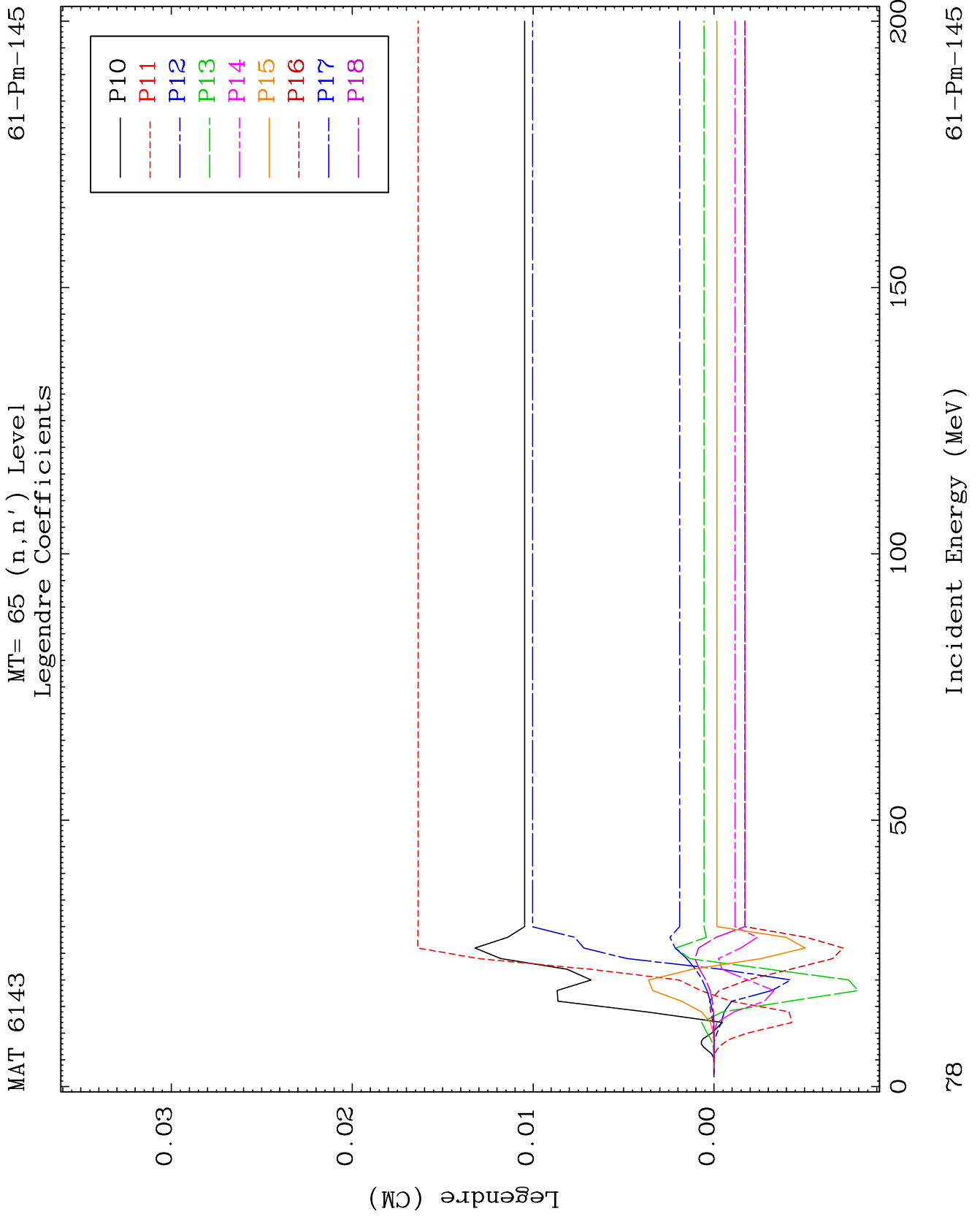
61-Pm-145



61-Pm-145

Incident Energy (MeV)

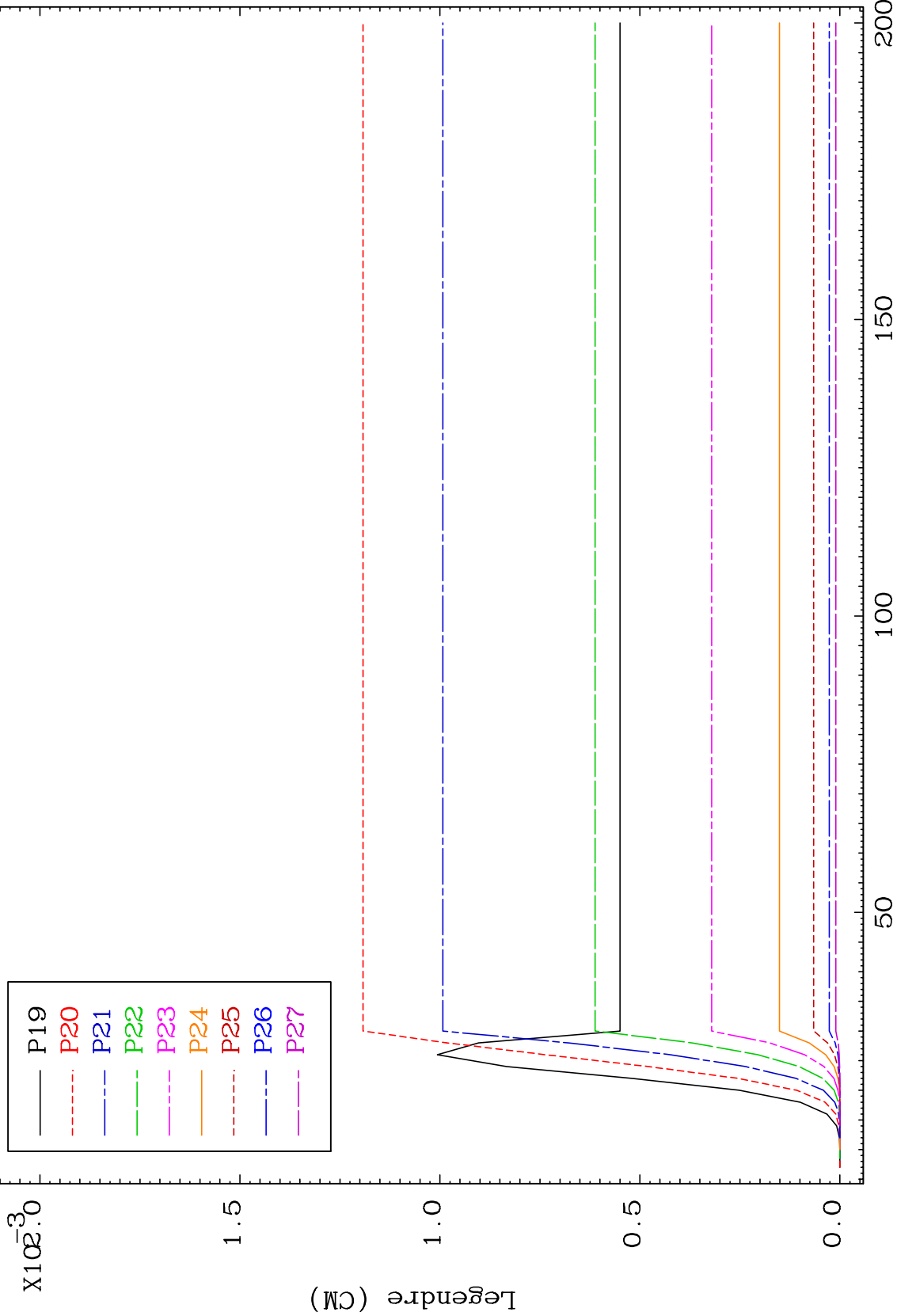
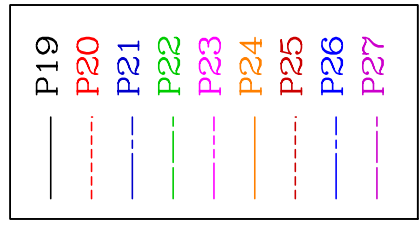
77



MAT 6143

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

61-Pm-145



79

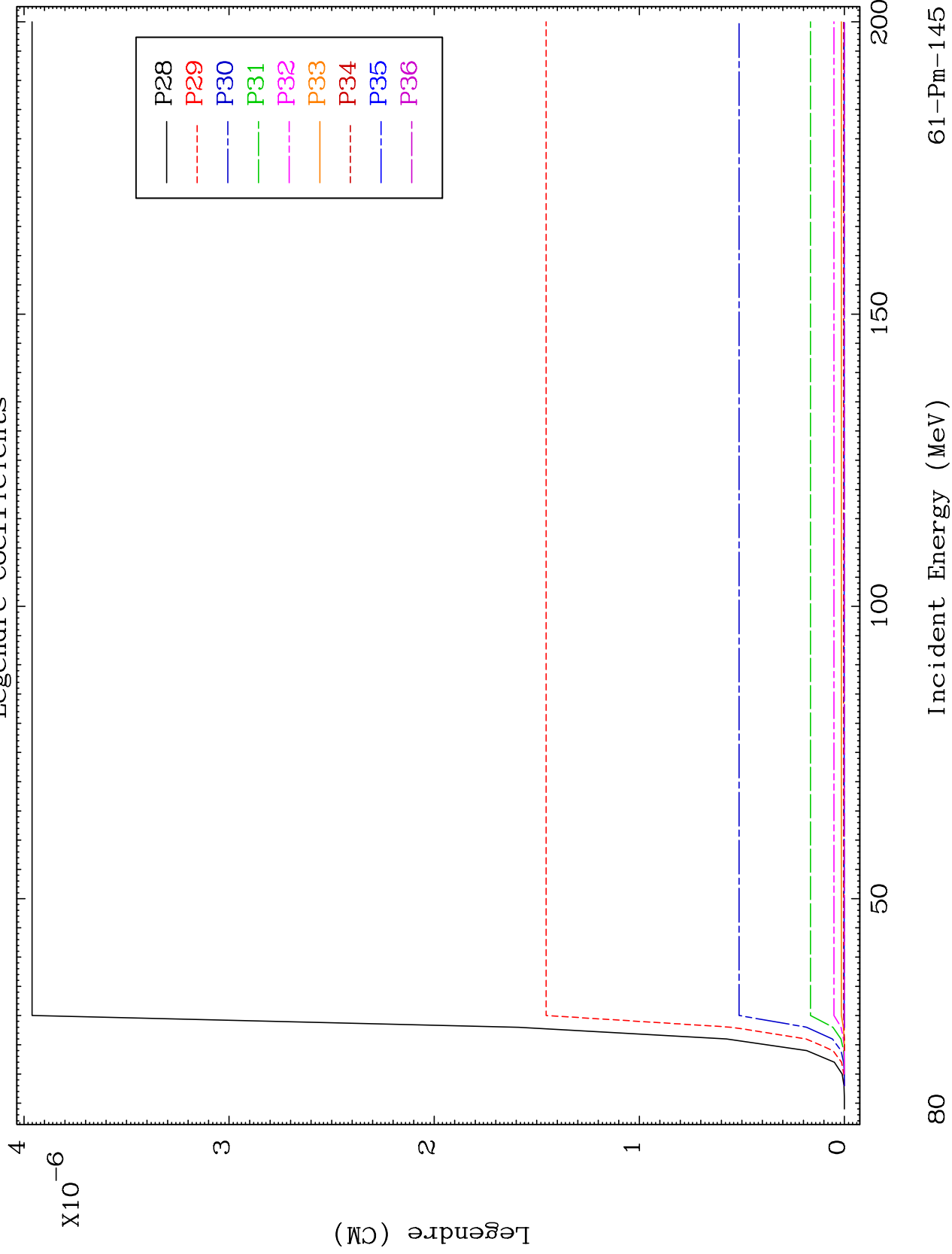
Incident Energy (MeV)

61-Pm-145

MAT 6143

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

61-Pm-145



61-Pm-145

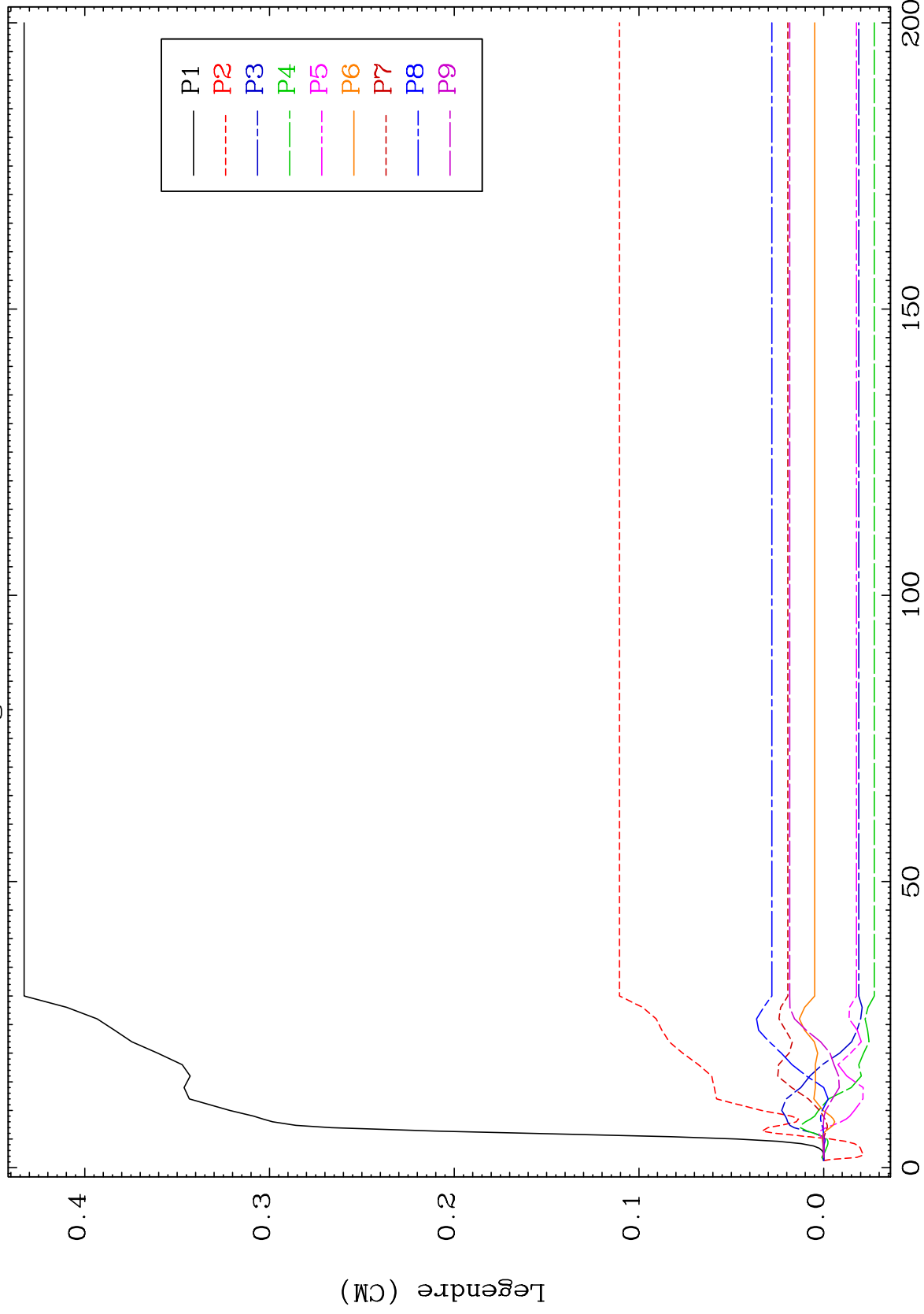
Incident Energy (MeV)

80

MAT 6143

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

61-Pm-145



81

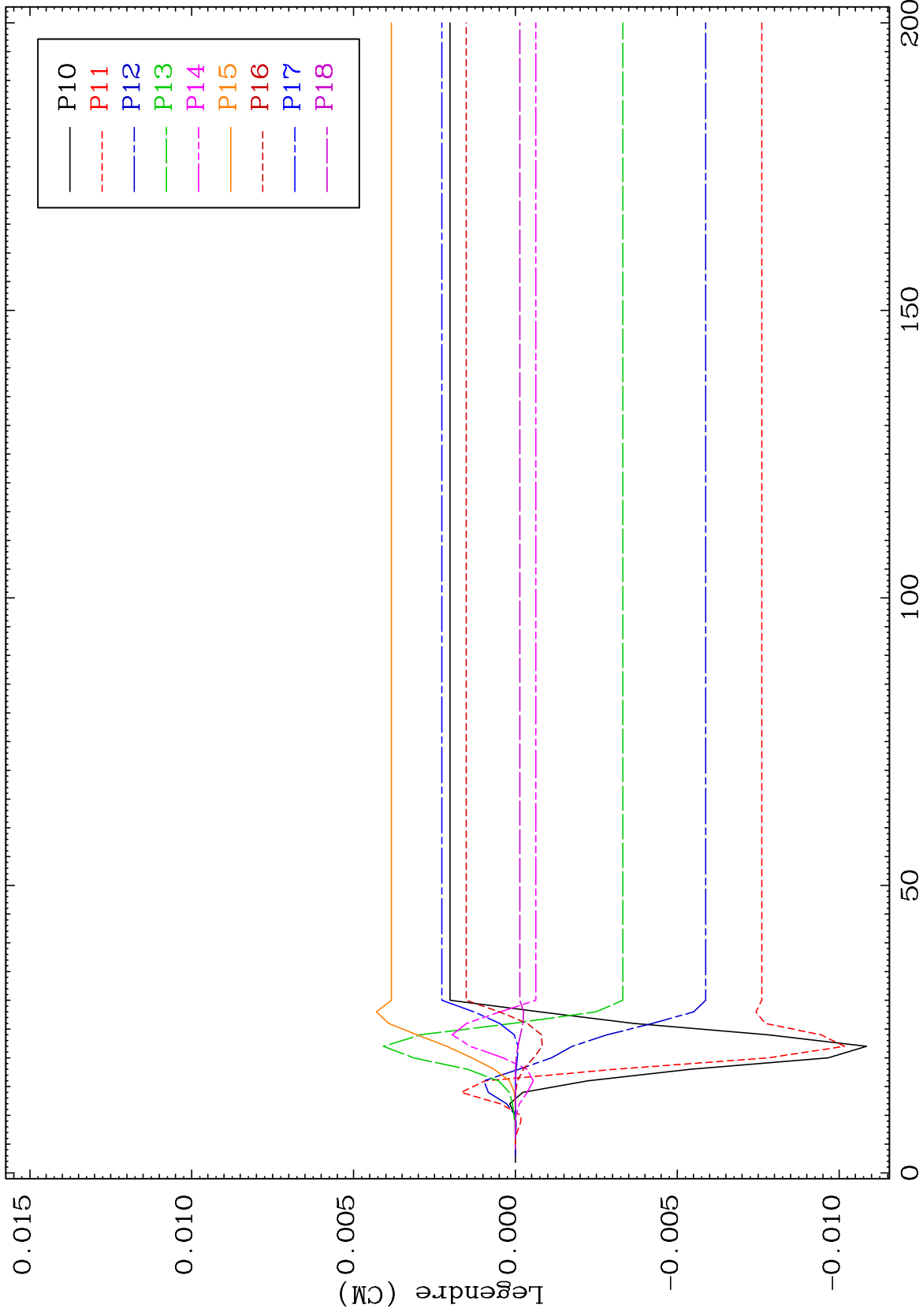
Incident Energy (MeV)

61-Pm-145

MAT 6143

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

61-Pm-145



82

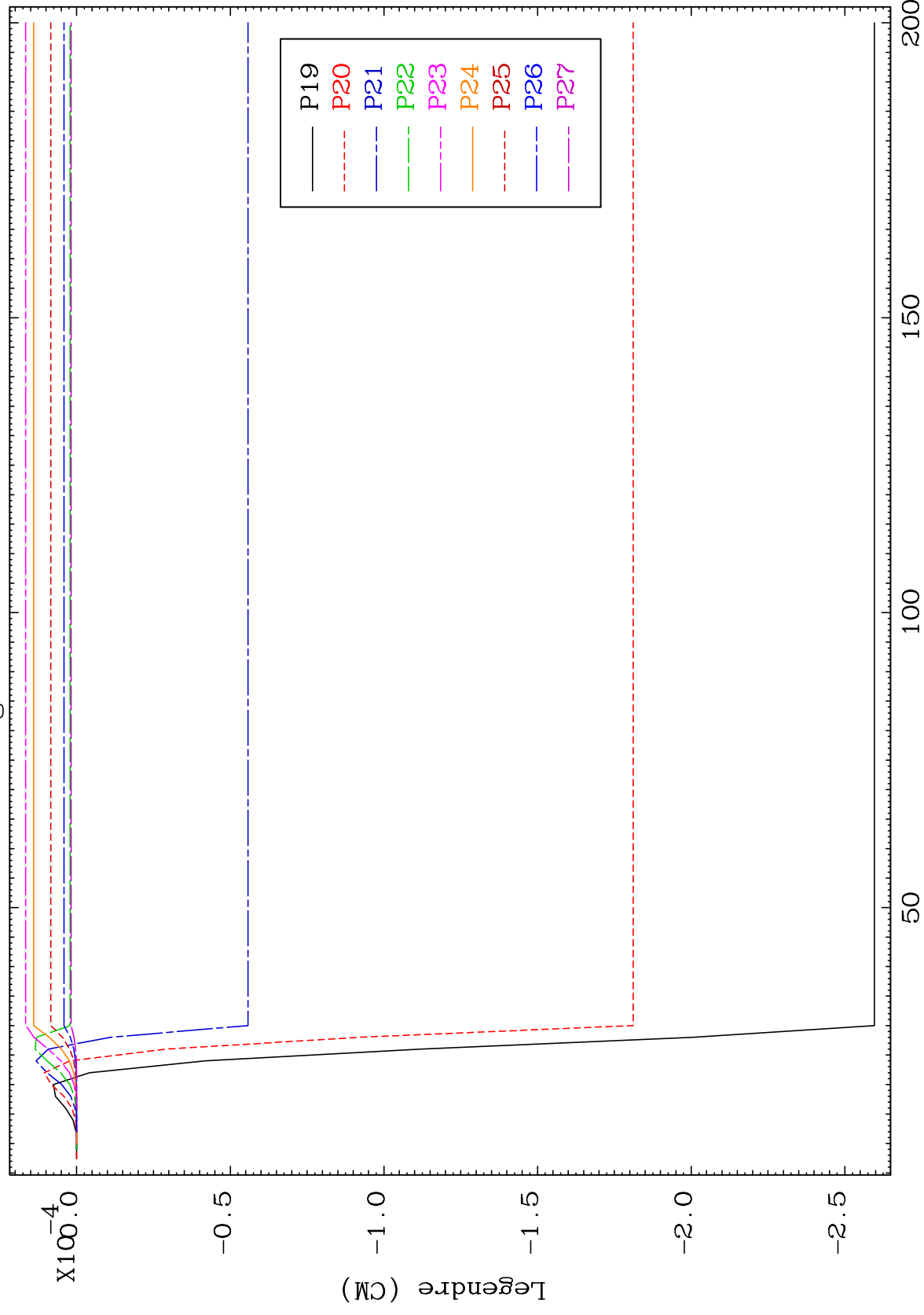
Incident Energy (MeV)

61-Pm-145

MAT 6143

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

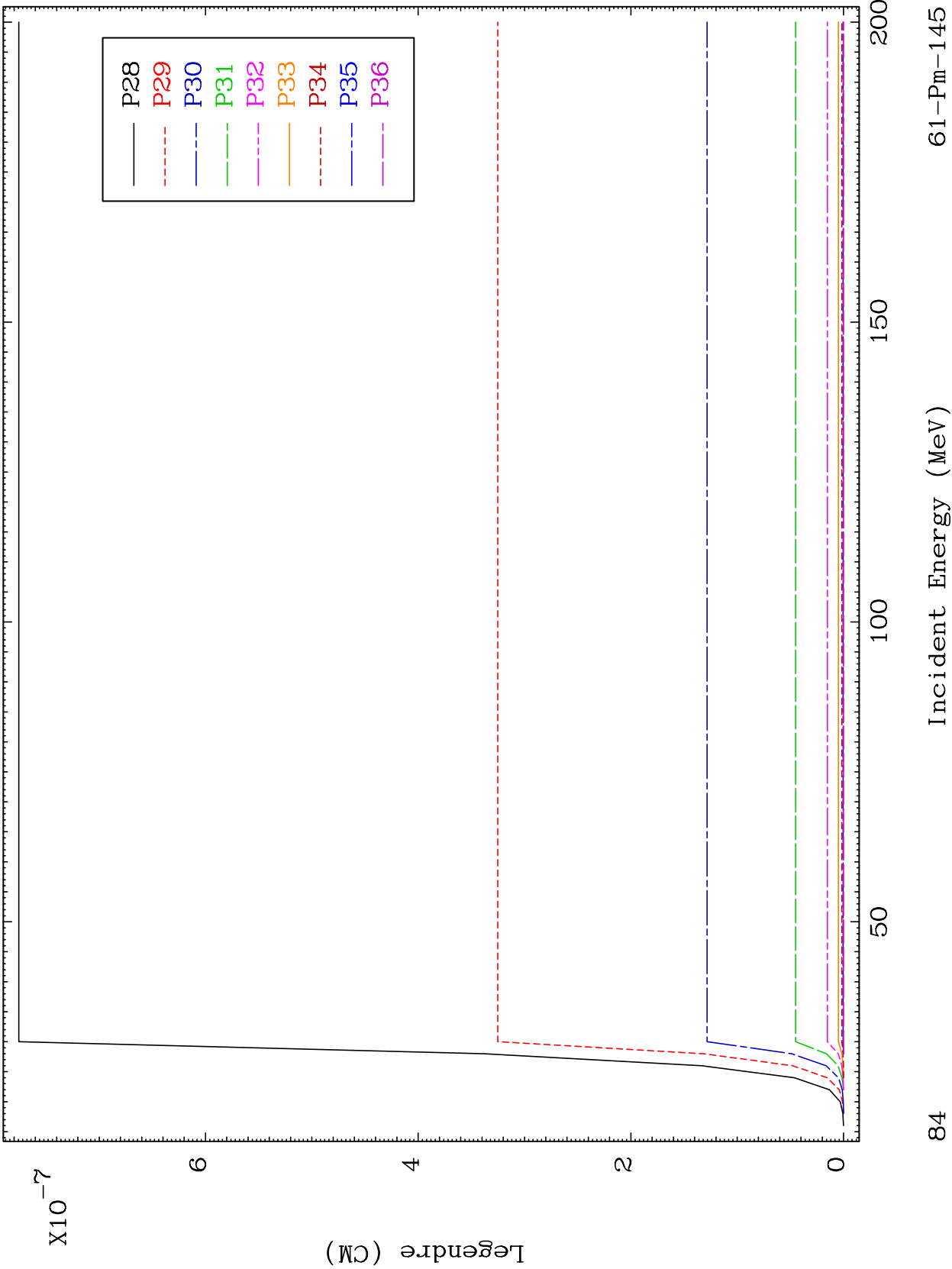
61-Pm-145



MAT 6143

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

61-Pm-145



84

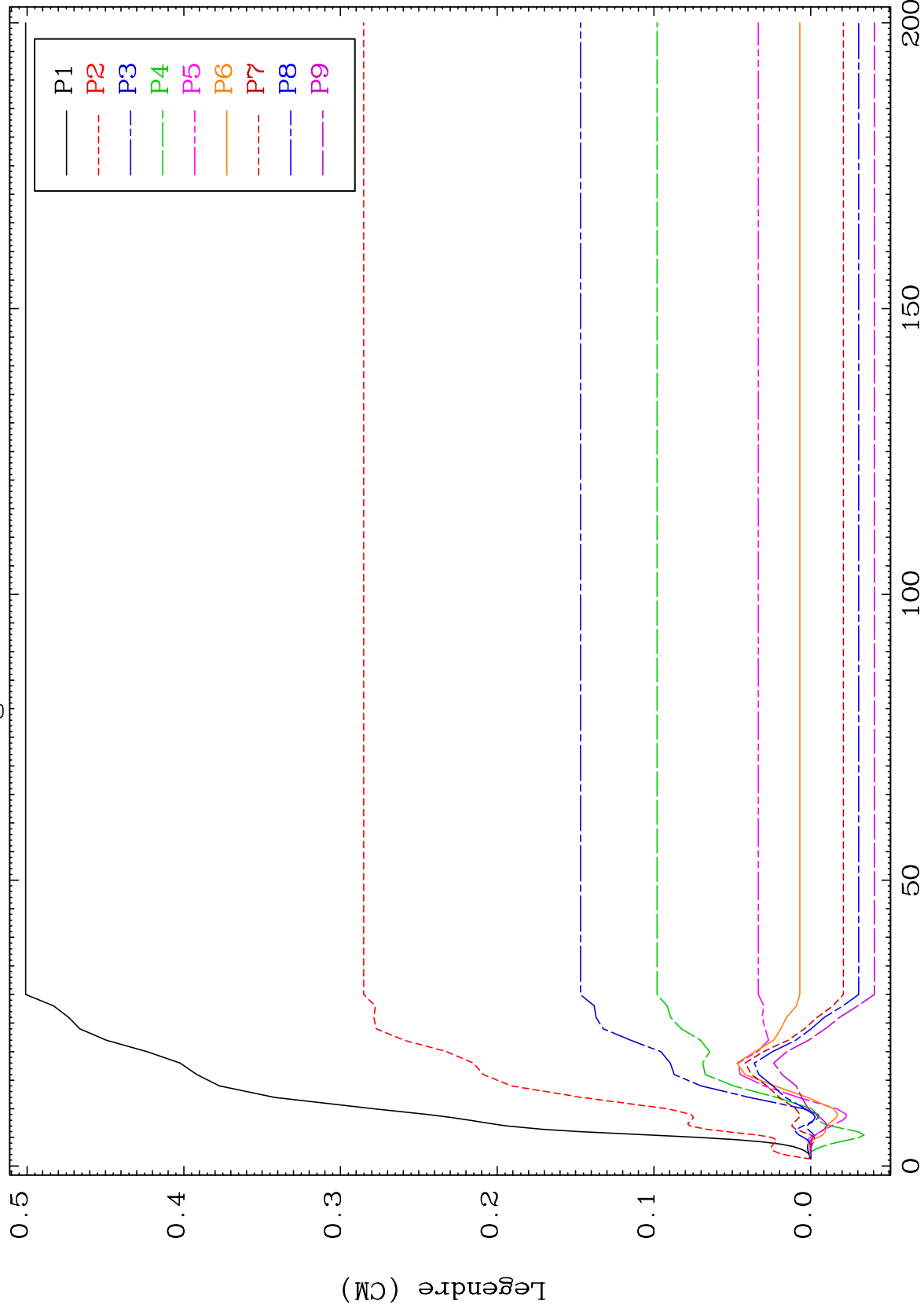
Incident Energy (MeV)

61-Pm-145

MAT 6143

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

61-Pm-145



85

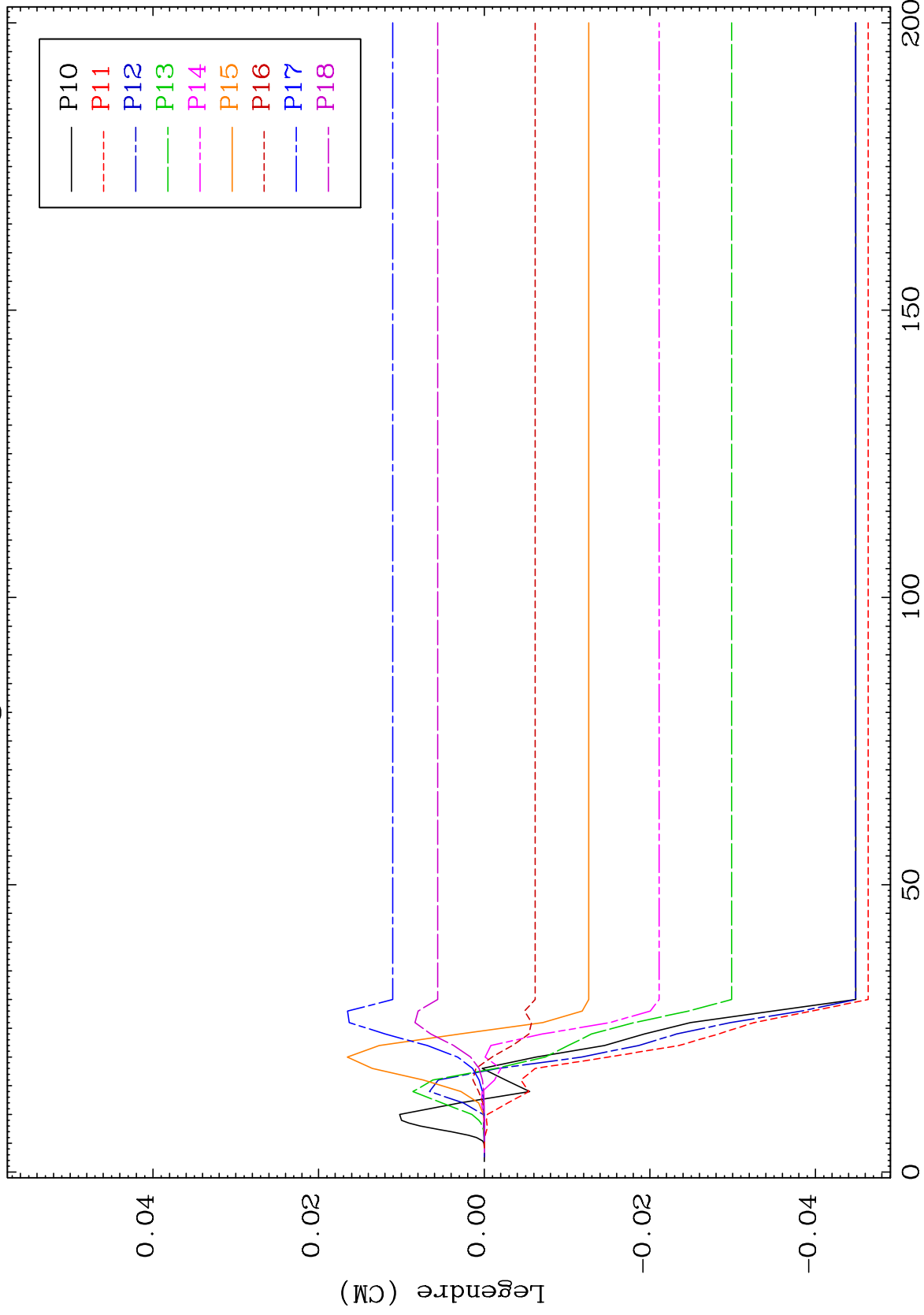
Incident Energy (MeV)

61-Pm-145

MAT 6143

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

61-Pm-145



86

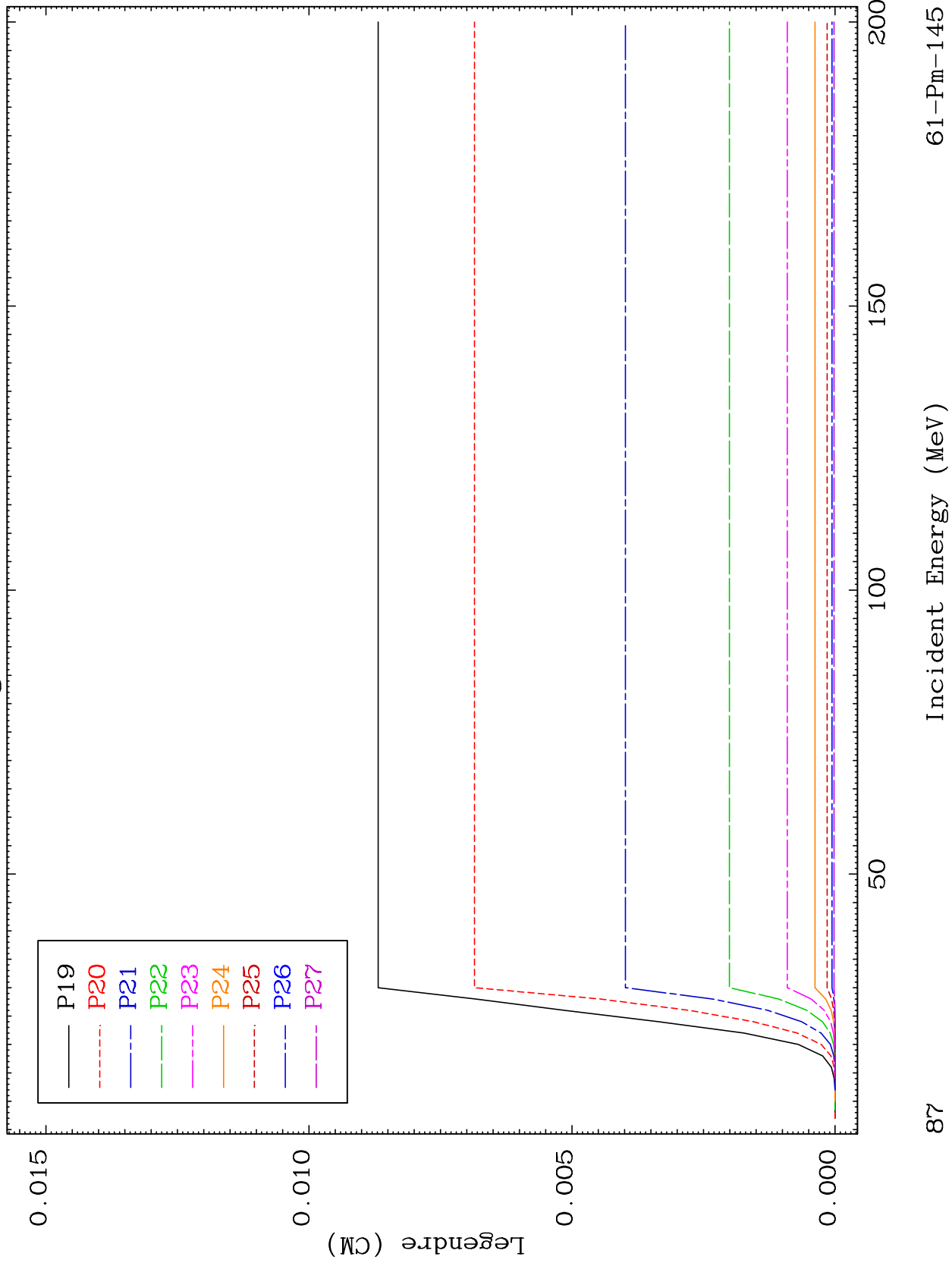
Incident Energy (MeV)

61-Pm-145

MAT 6143

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

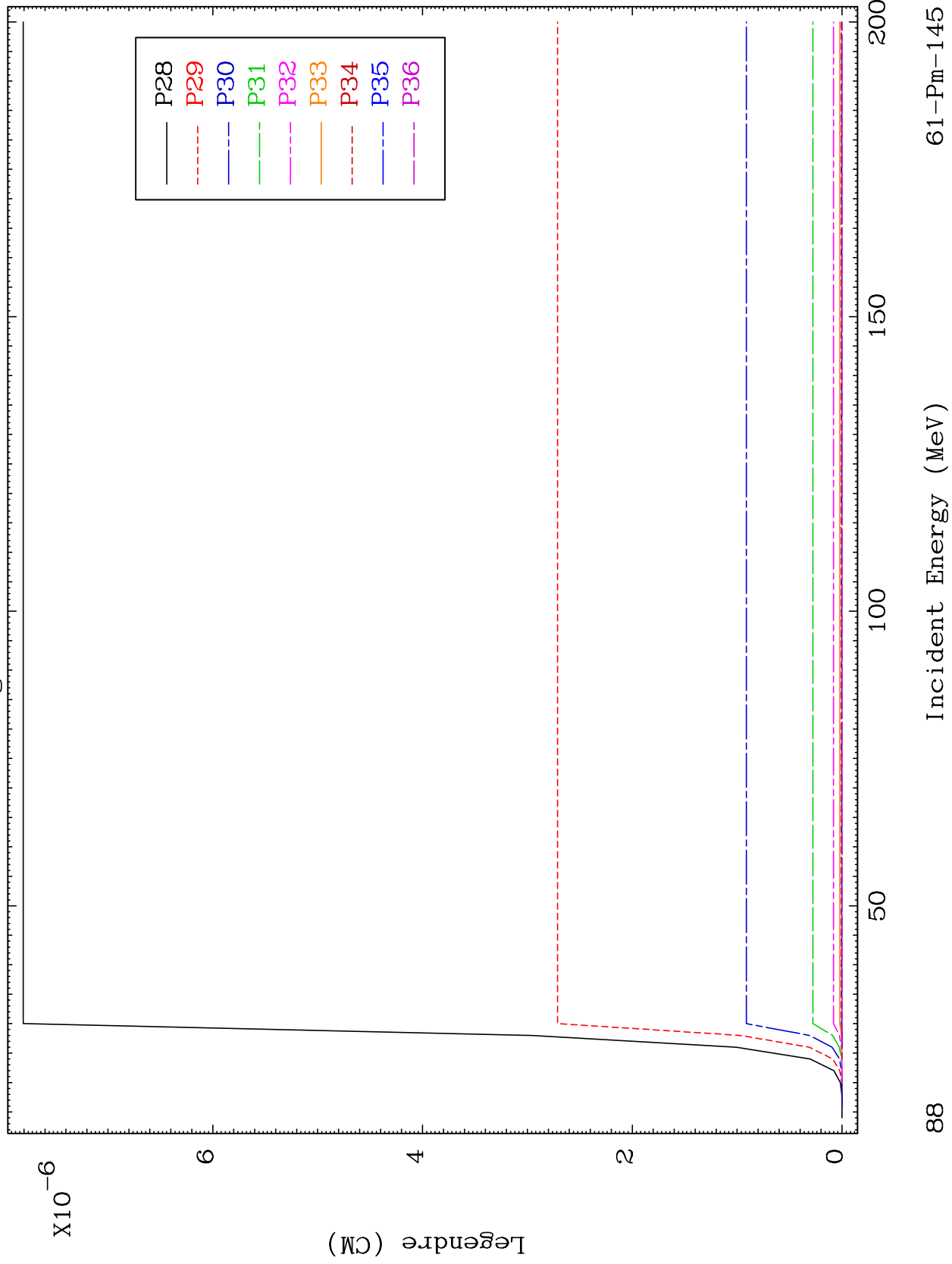
61-Pm-145



MAT 6143

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

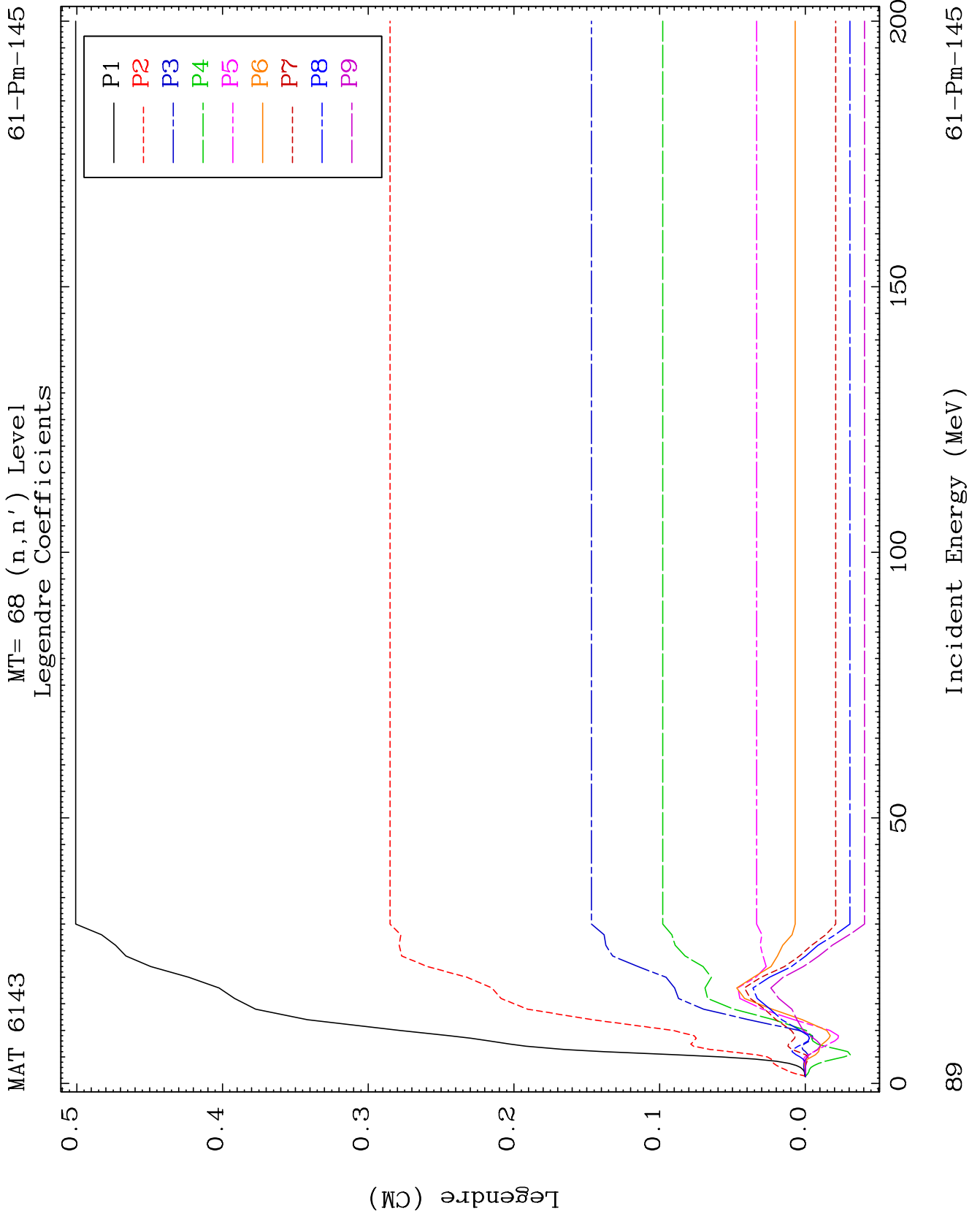
61-Pm-145



88

Incident Energy (MeV)

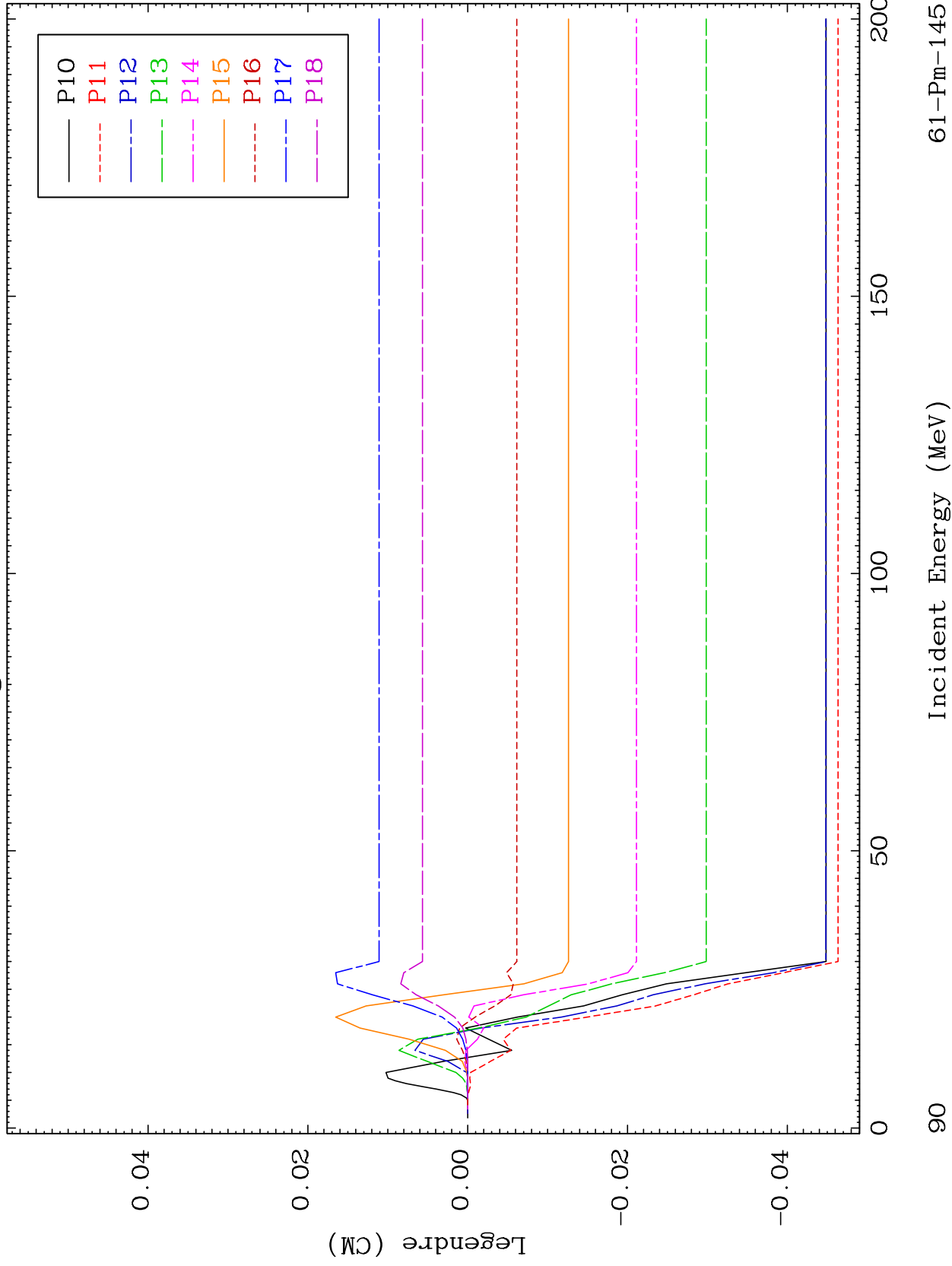
61-Pm-145



MAT 6143

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

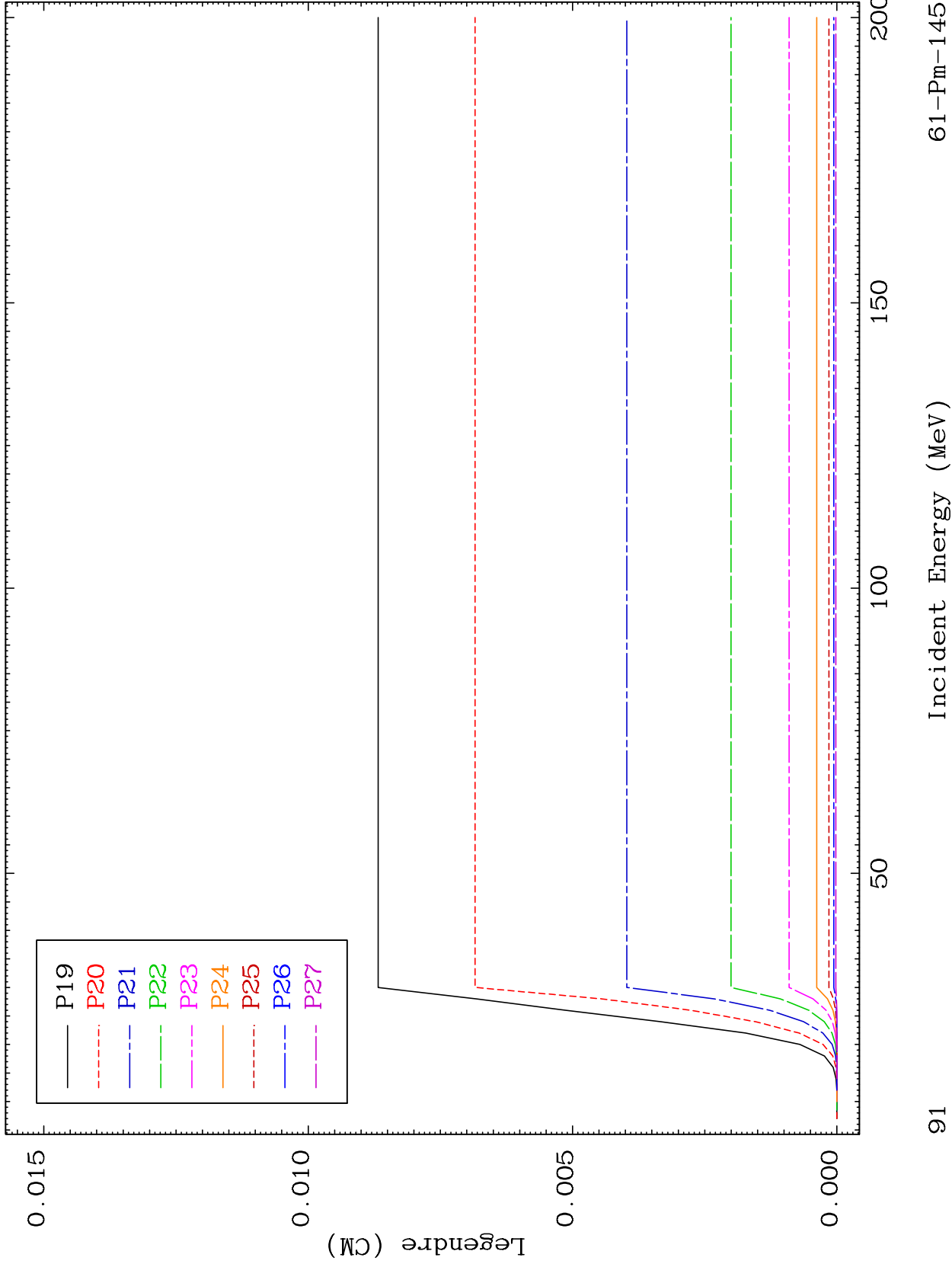
61-Pm-145



MAT 6143

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

61-Pm-145



91

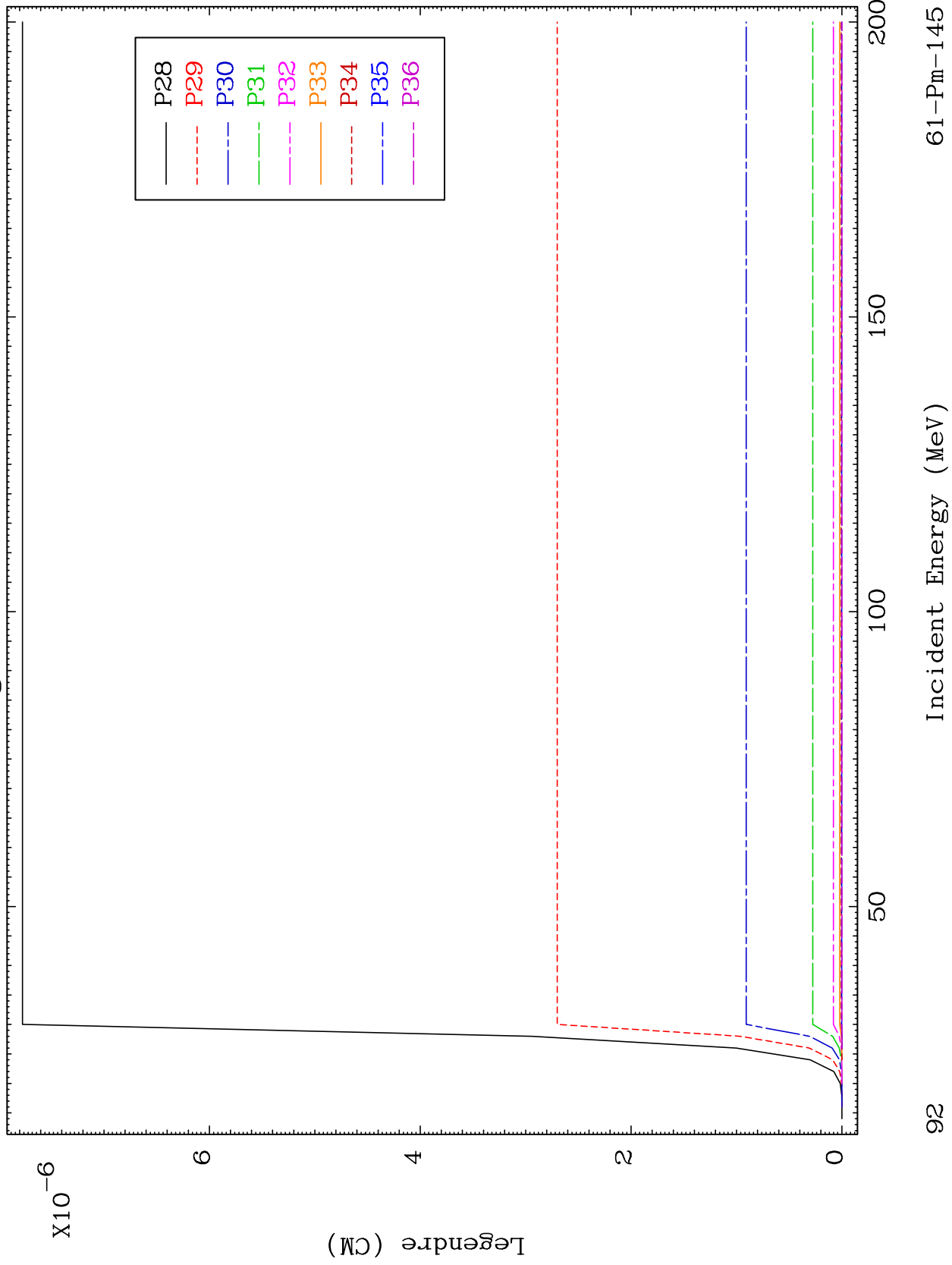
Incident Energy (MeV)

61-Pm-145

MAT 6143

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

61-Pm-145



92

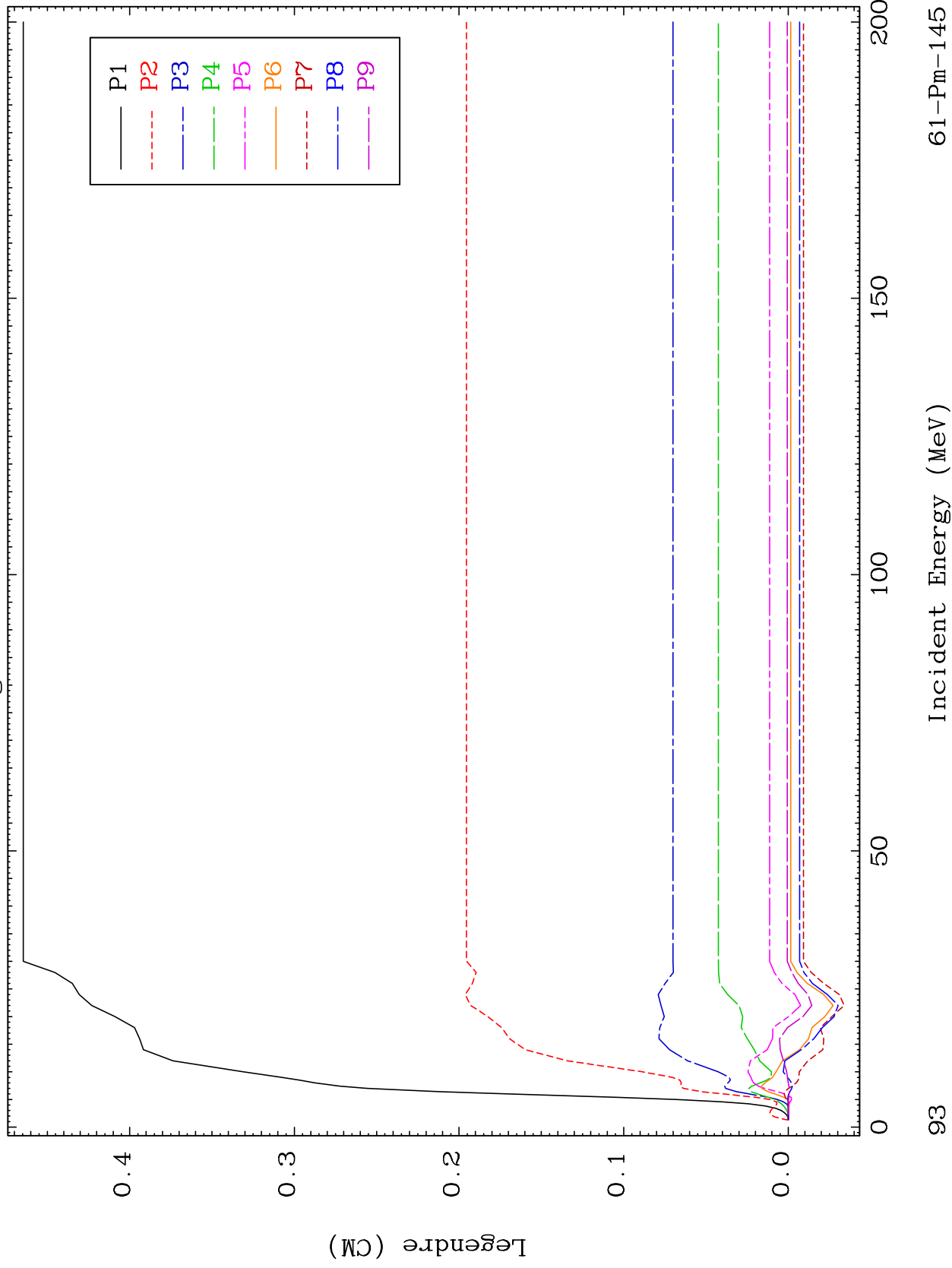
Incident Energy (MeV)

61-Pm-145

MAT 6143

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

61-Pm-145



93

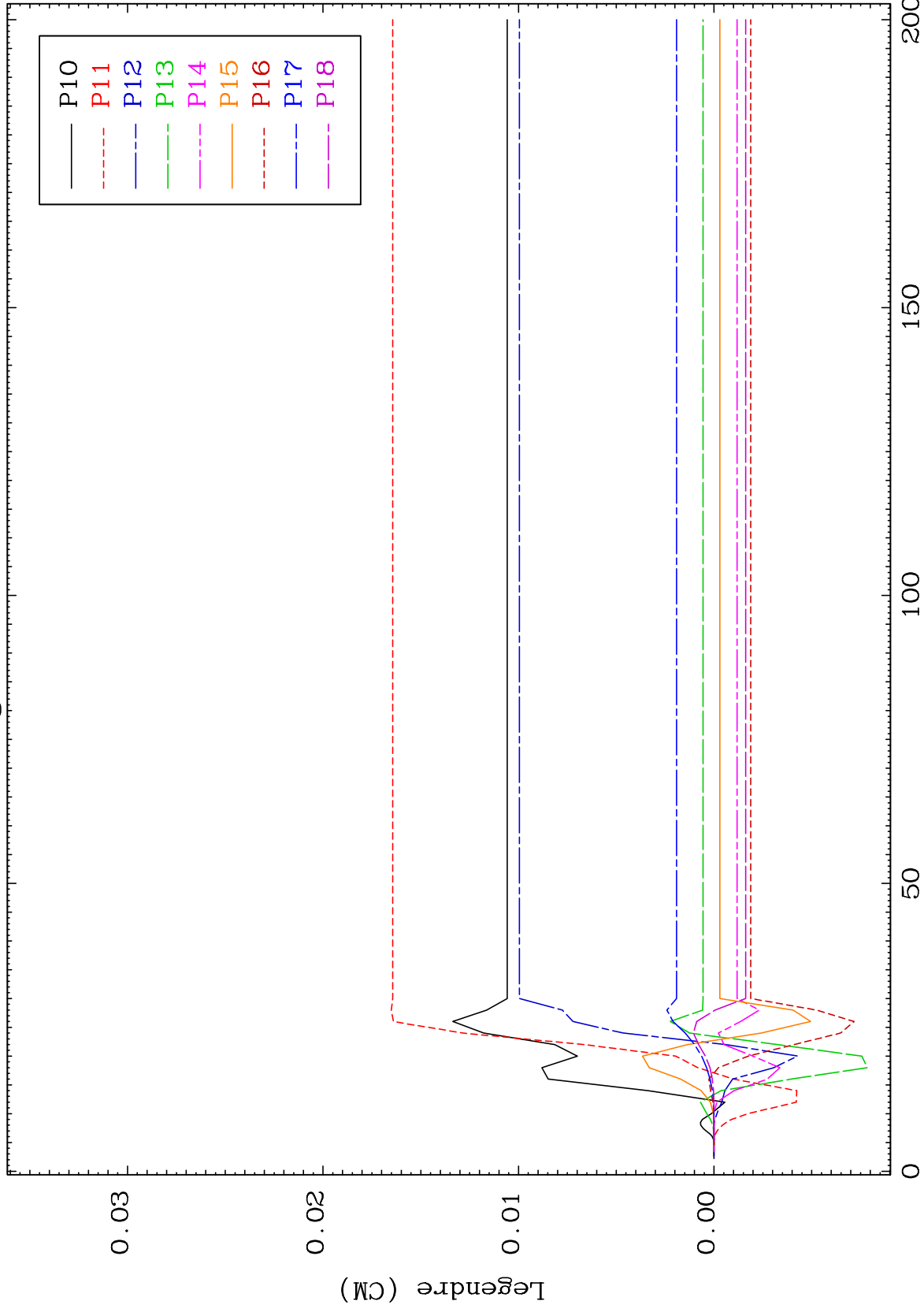
Incident Energy (MeV)

61-Pm-145

MAT 6143

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

61-Pm-145



94

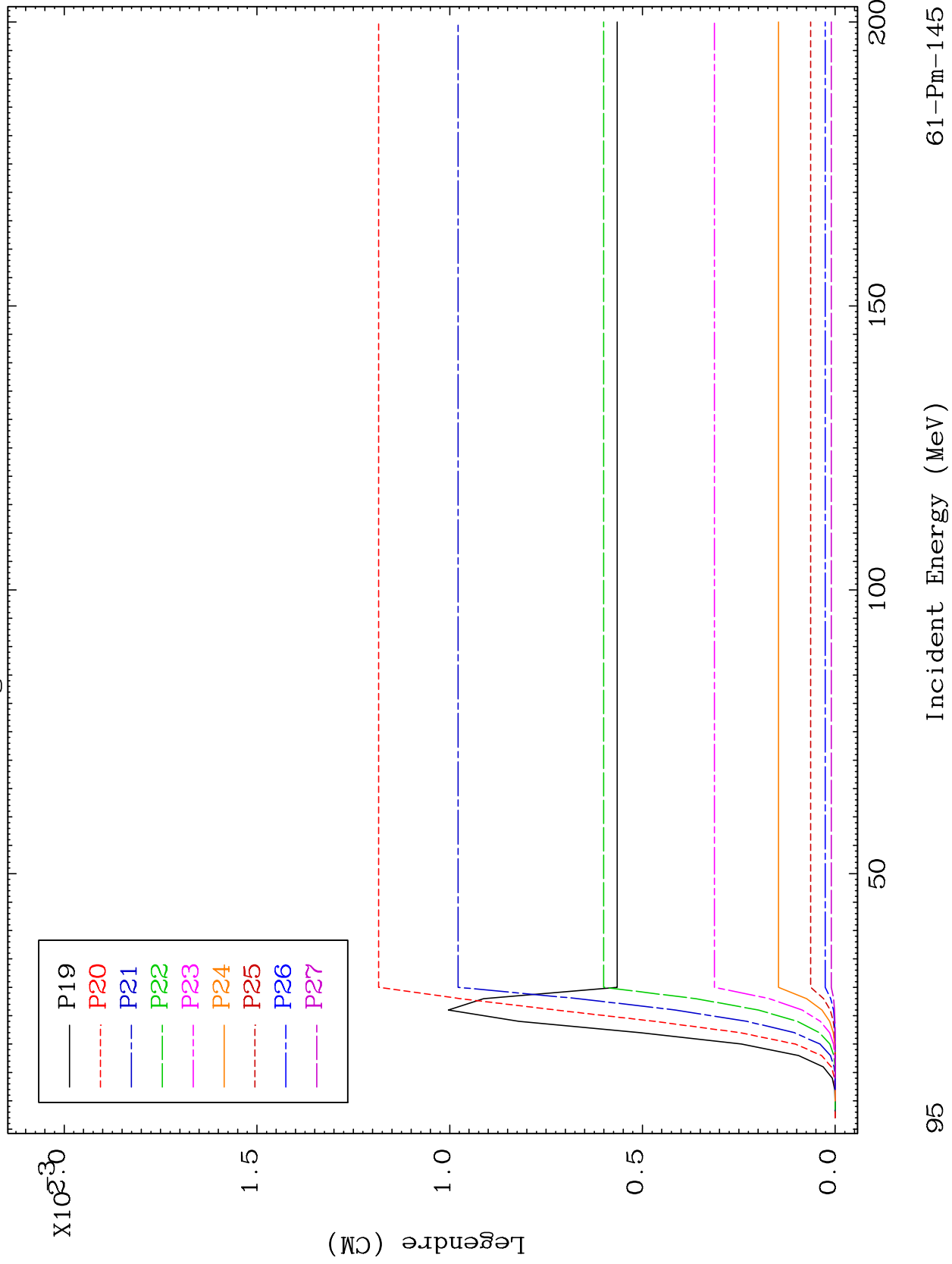
Incident Energy (MeV)

61-Pm-145

MAT 6143

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

61-Pm-145



95

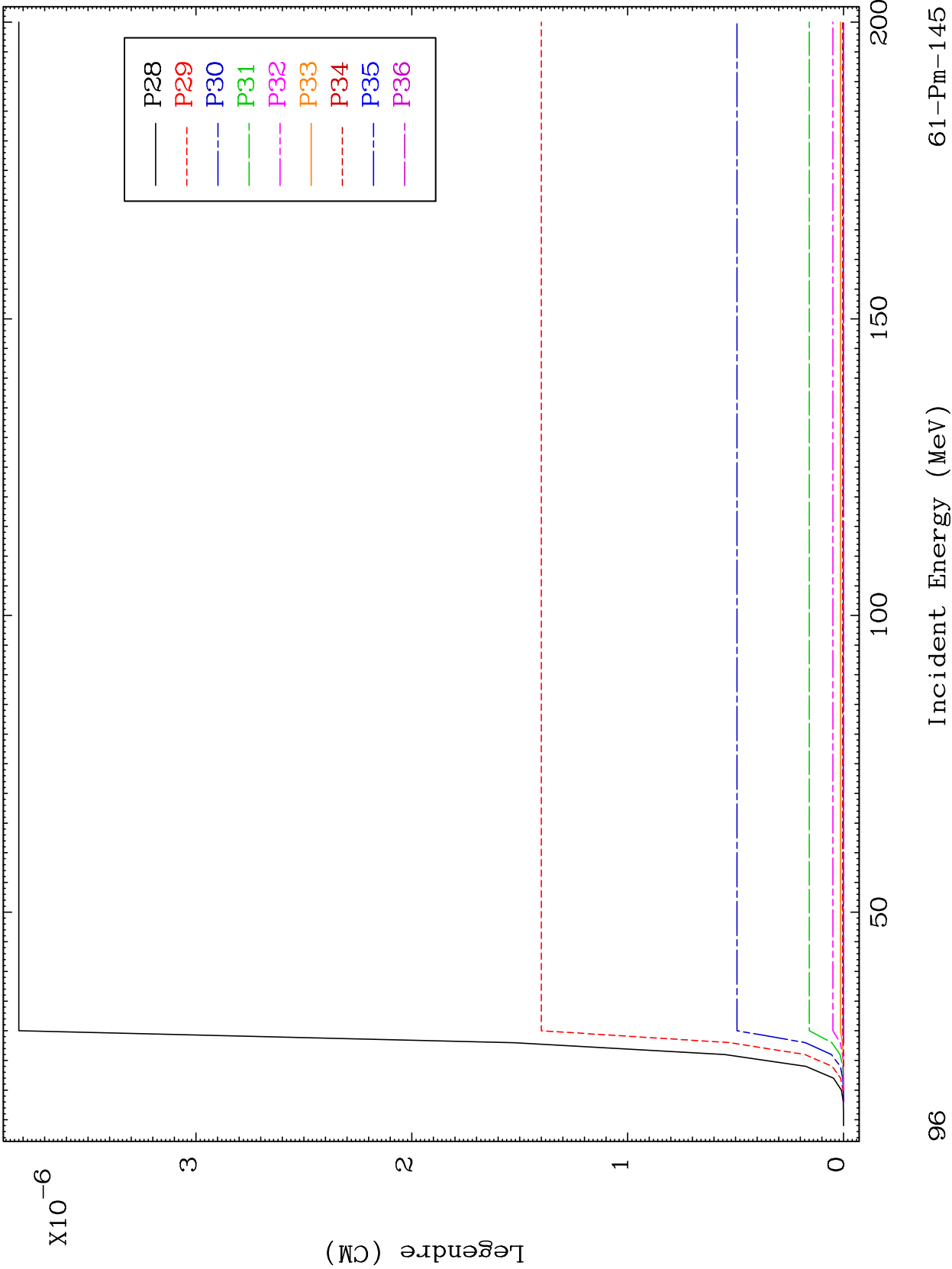
Incident Energy (MeV)

61-Pm-145

MAT 6143

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

61-Pm-145



96

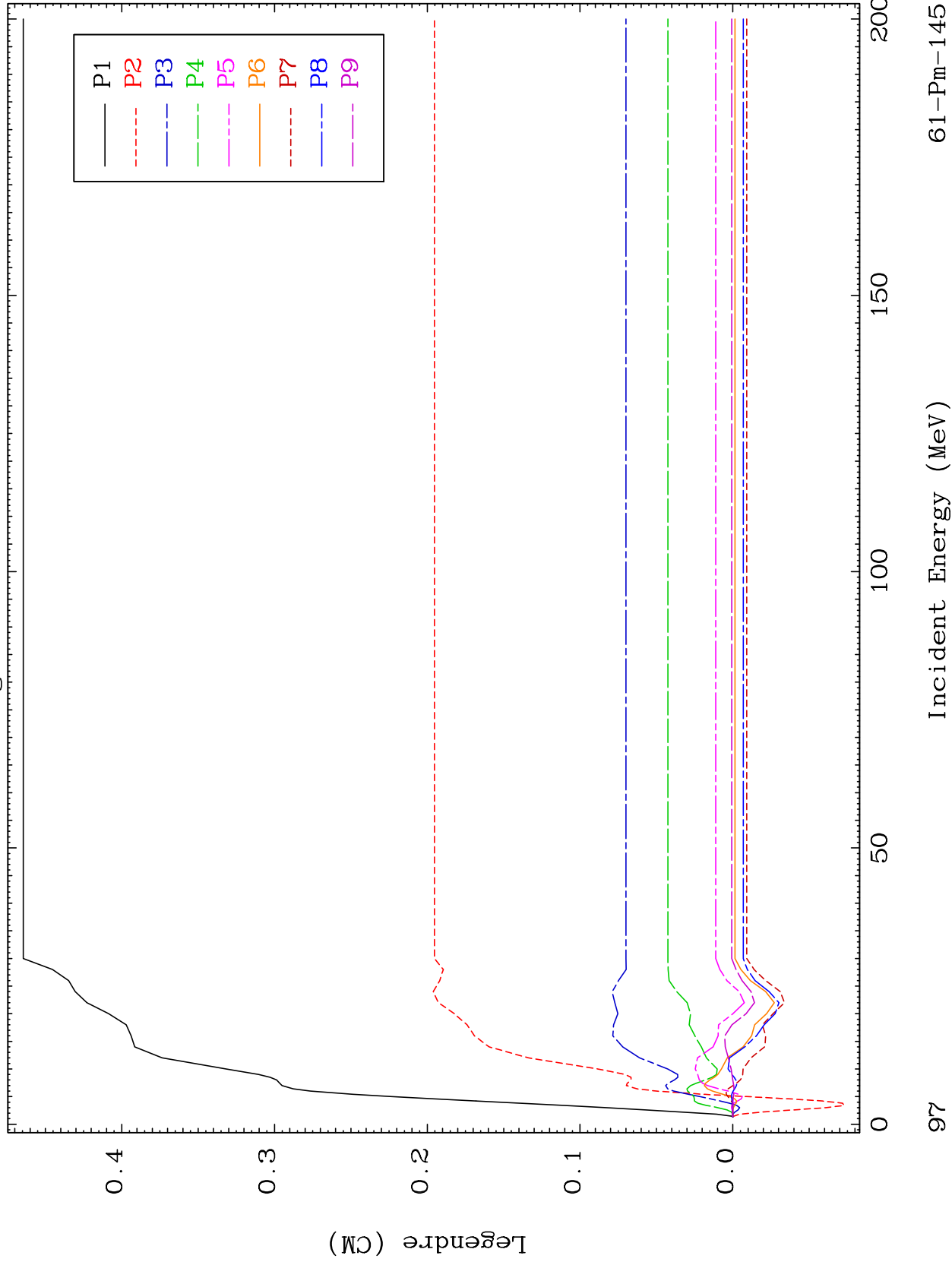
Incident Energy (MeV)

61-Pm-145

MAT 6143

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

61-Pm-145



97

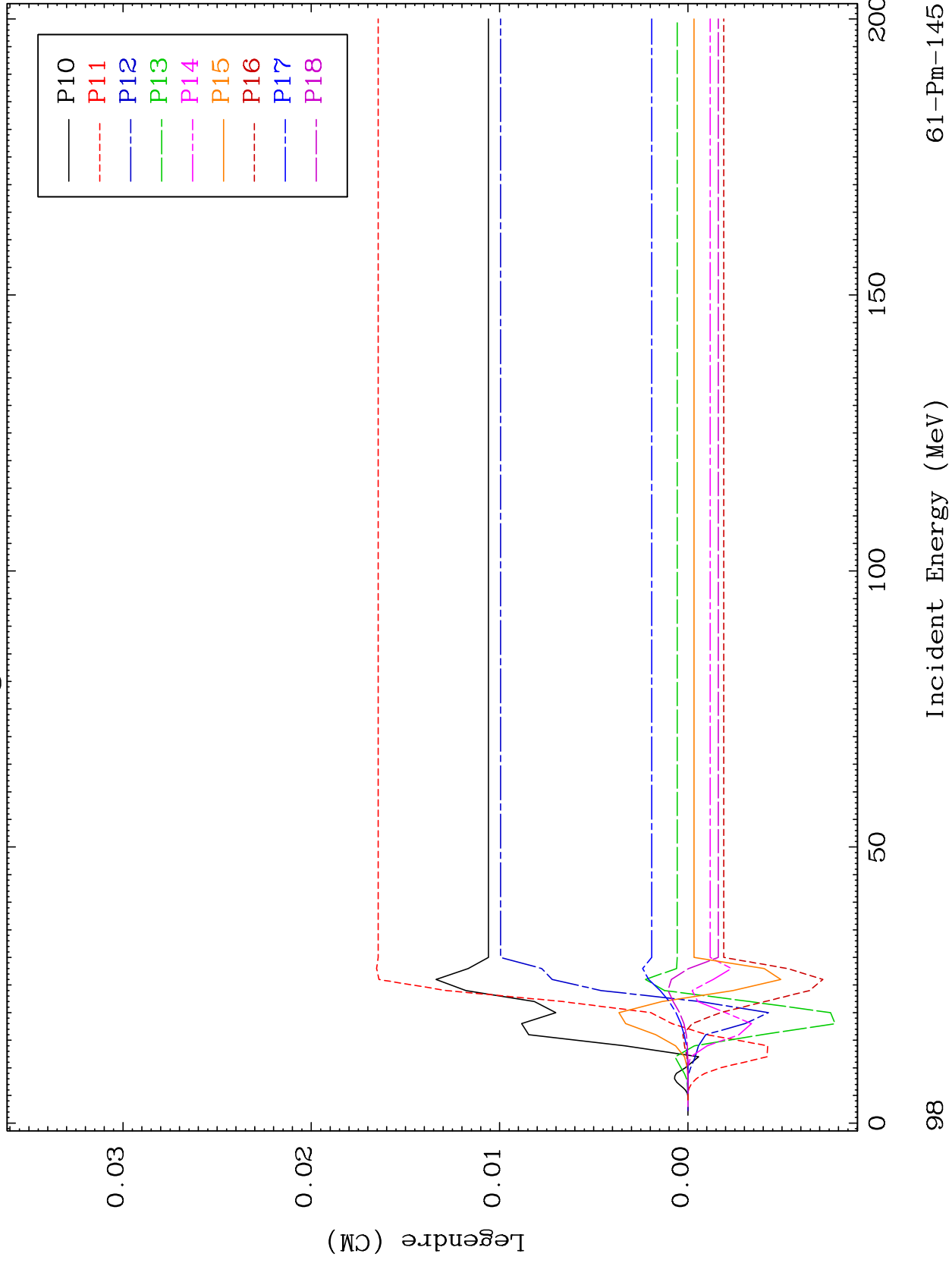
Incident Energy (MeV)

61-Pm-145

MAT 6143

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

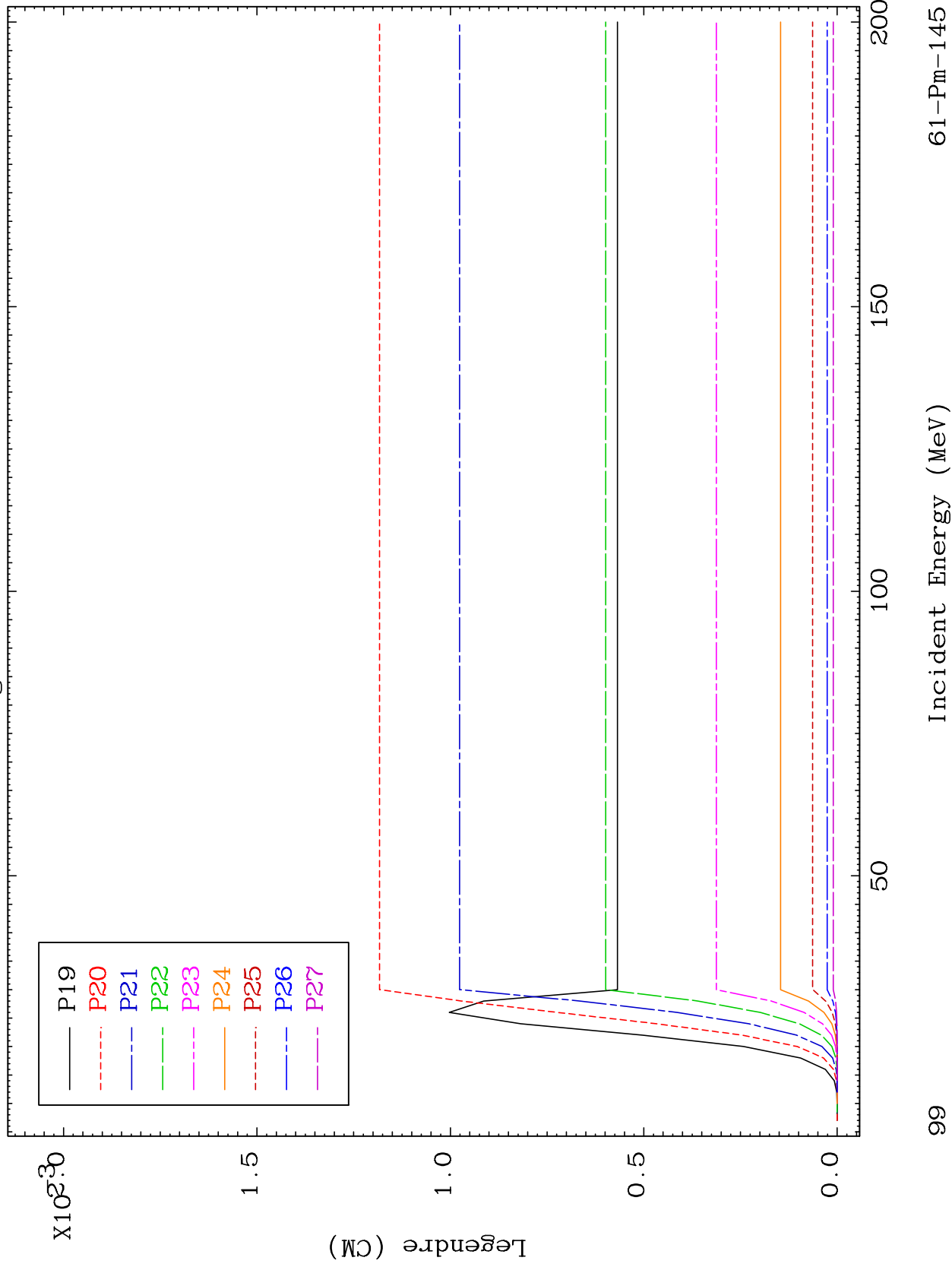
61-Pm-145



MAT 6143

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

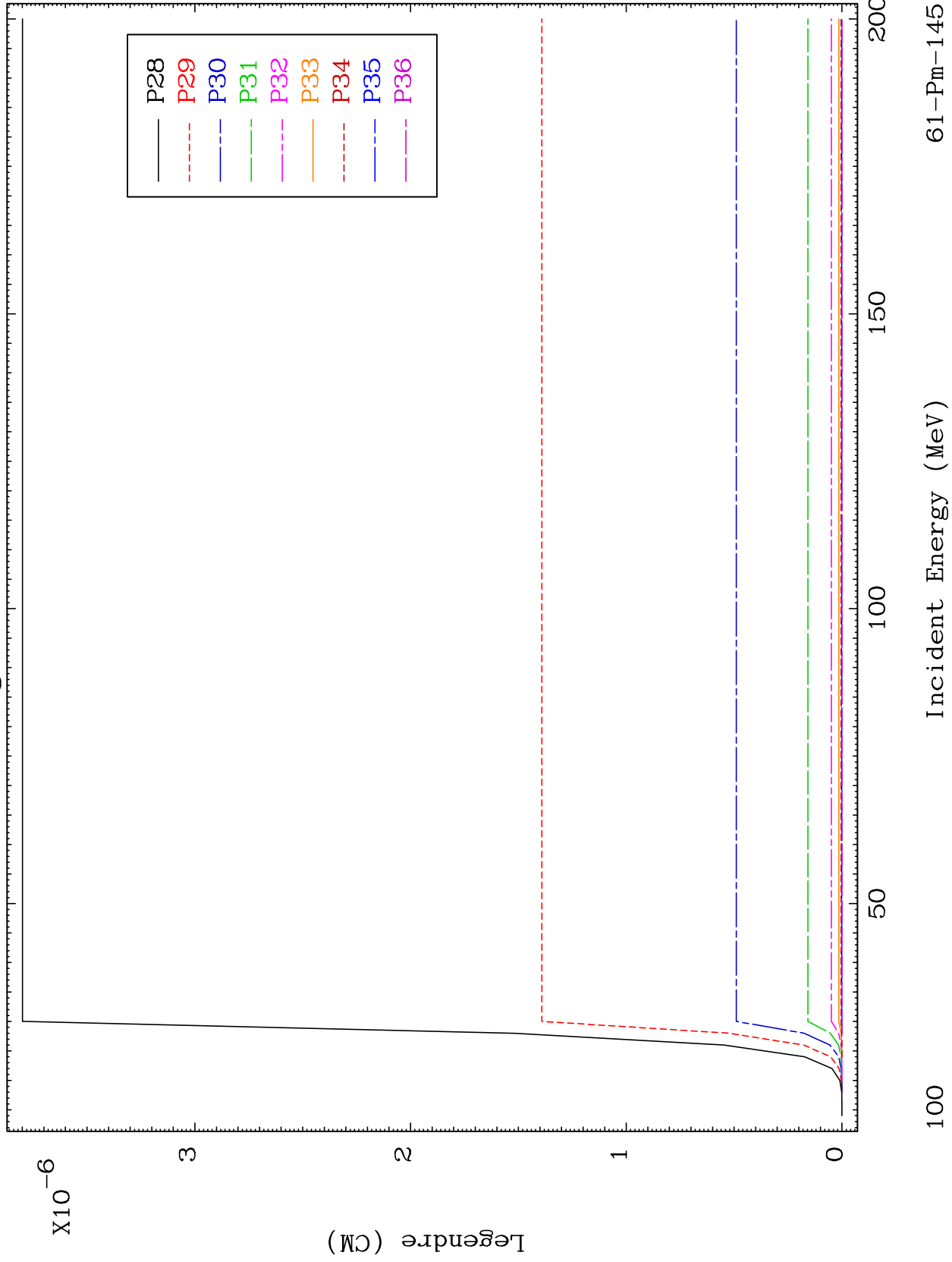
61-Pm-145



MAT 6143

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

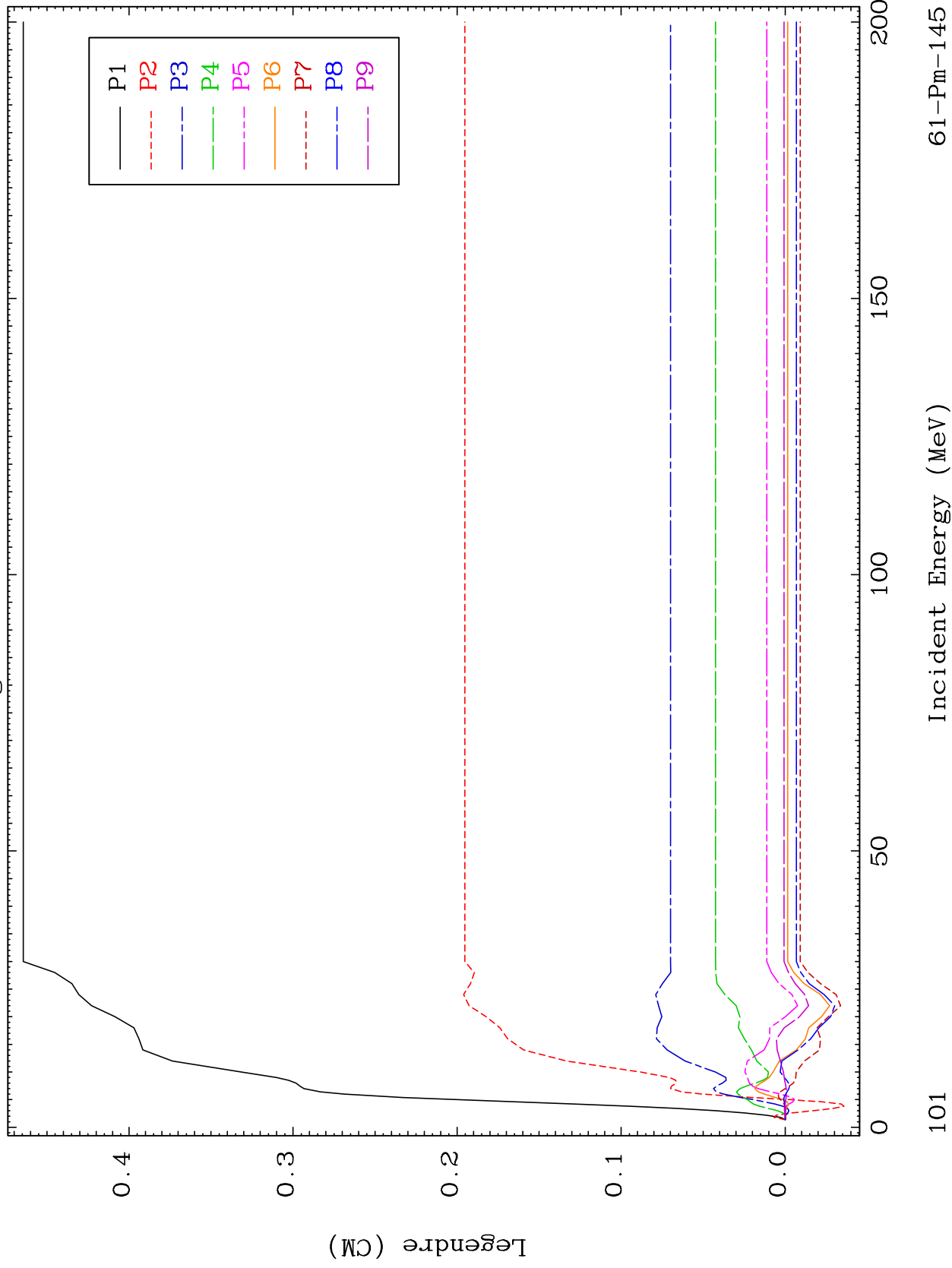
61-Pm-145



MAT 6143

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

61-Pm-145



61-Pm-145

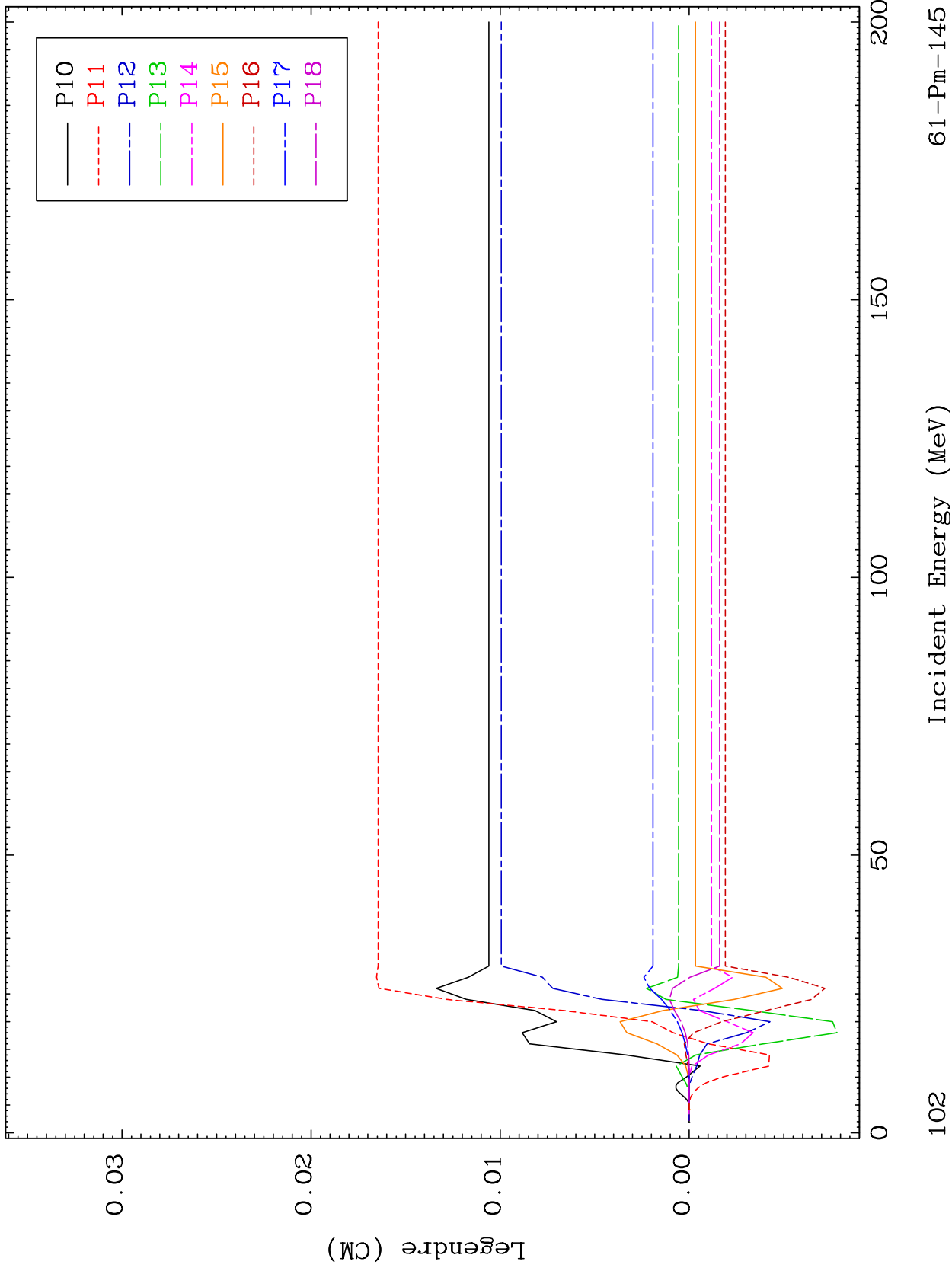
Incident Energy (MeV)

101

MAT 6143

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

61-Pm-145



61-Pm-145

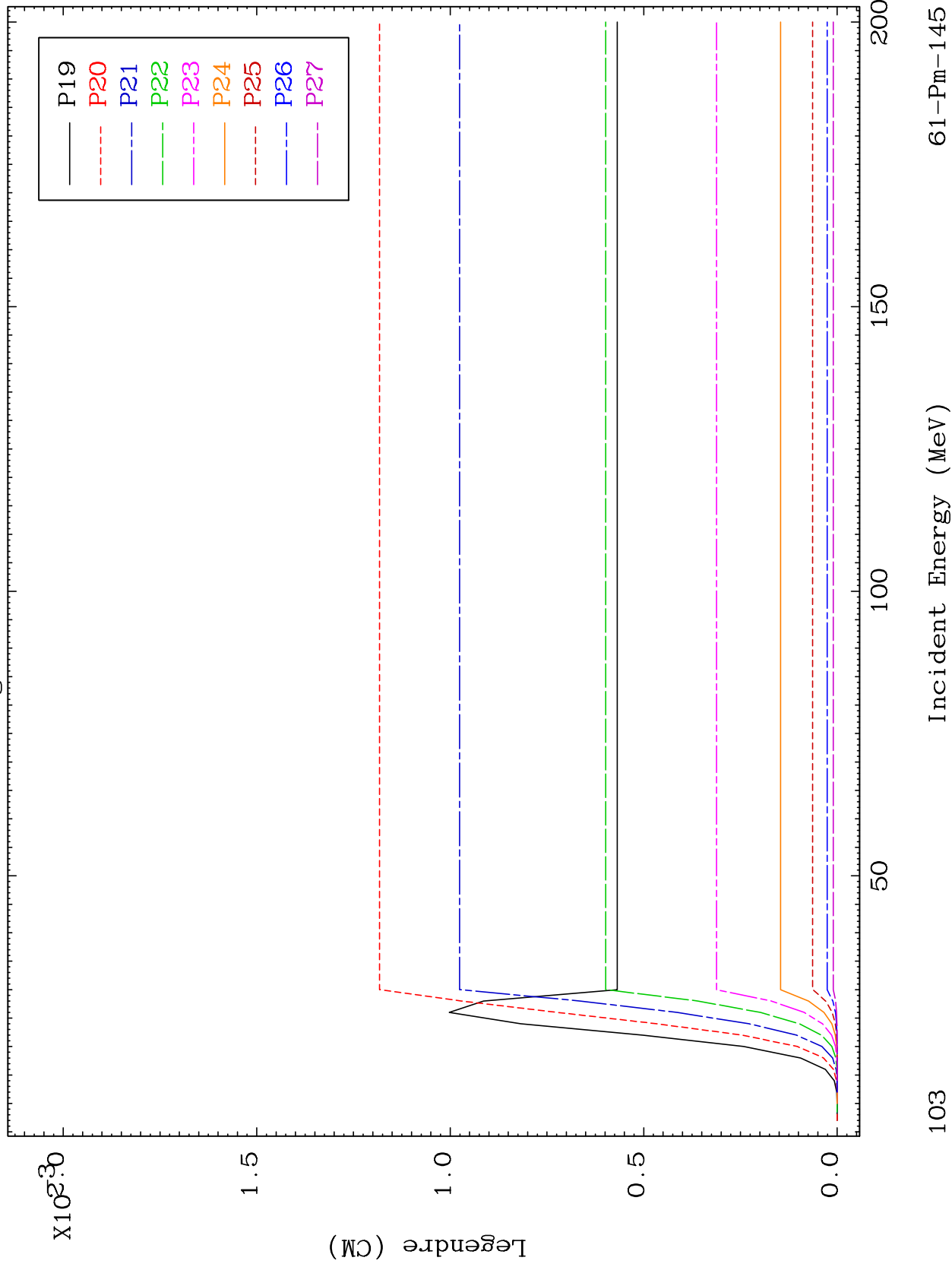
Incident Energy (MeV)

102

MAT 6143

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

61-Pm-145



103

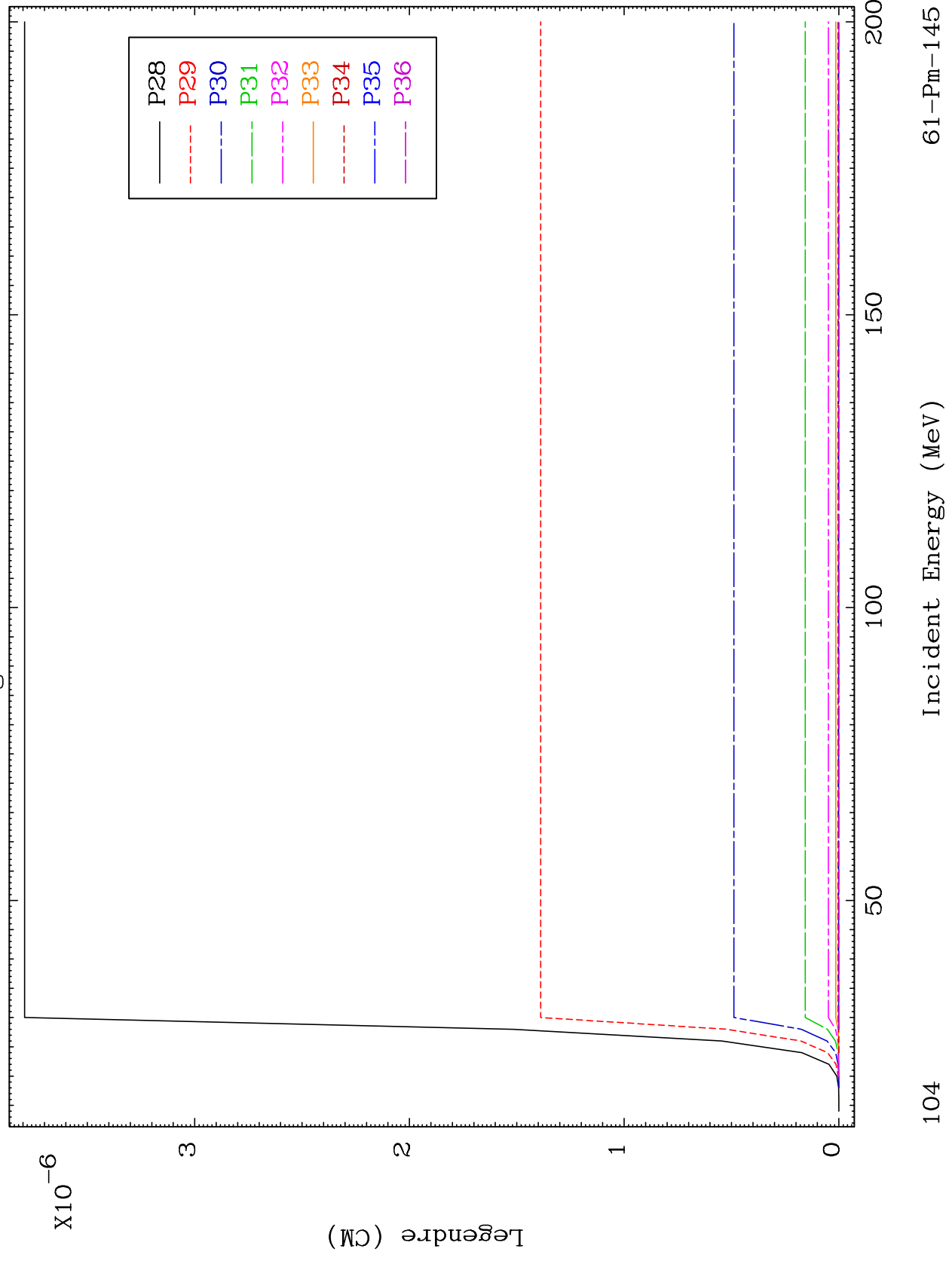
Incident Energy (MeV)

61-Pm-145

MAT 6143

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

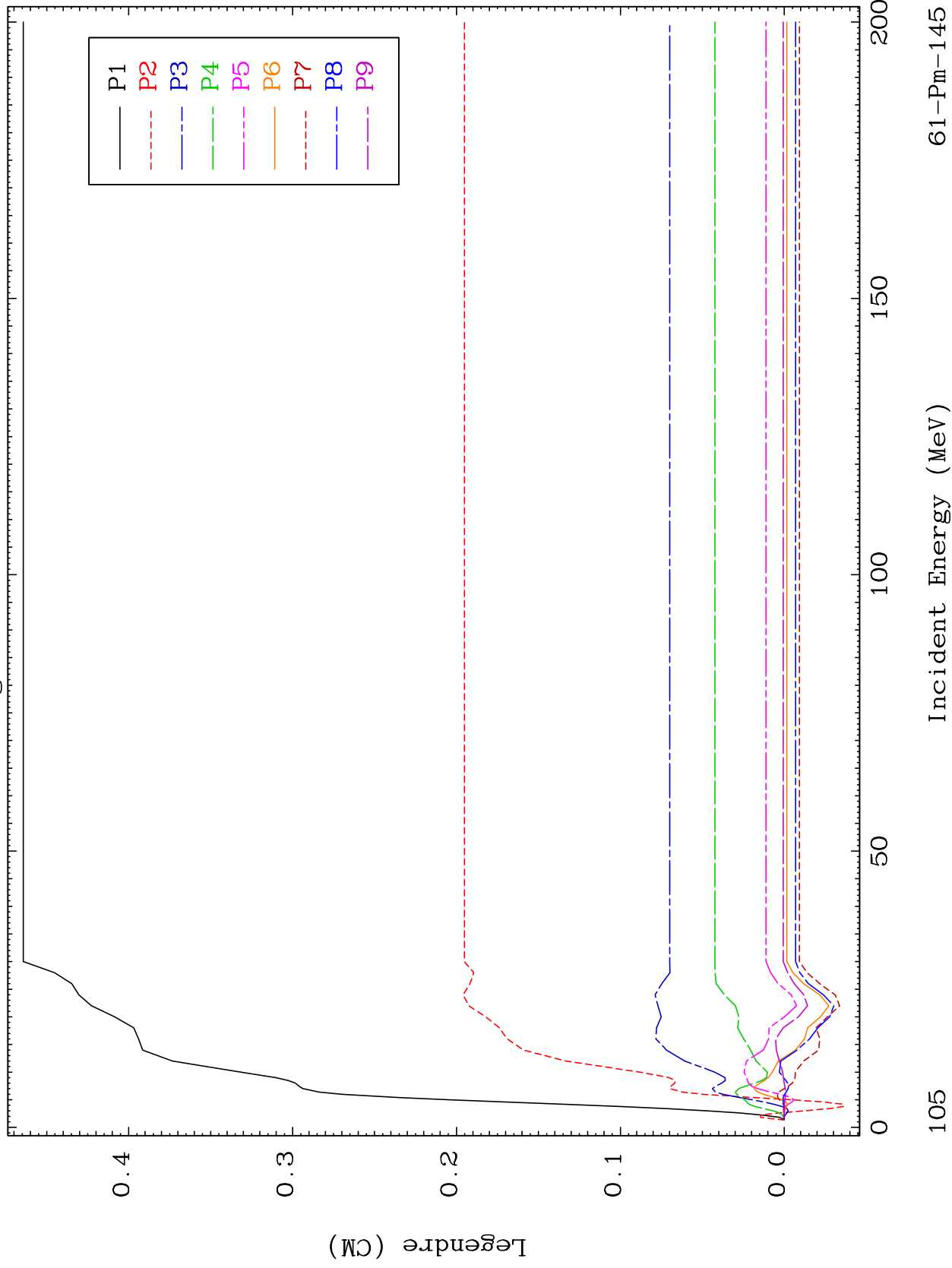
61-Pm-145



MAT 6143

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

61-Pm-145



61-Pm-145

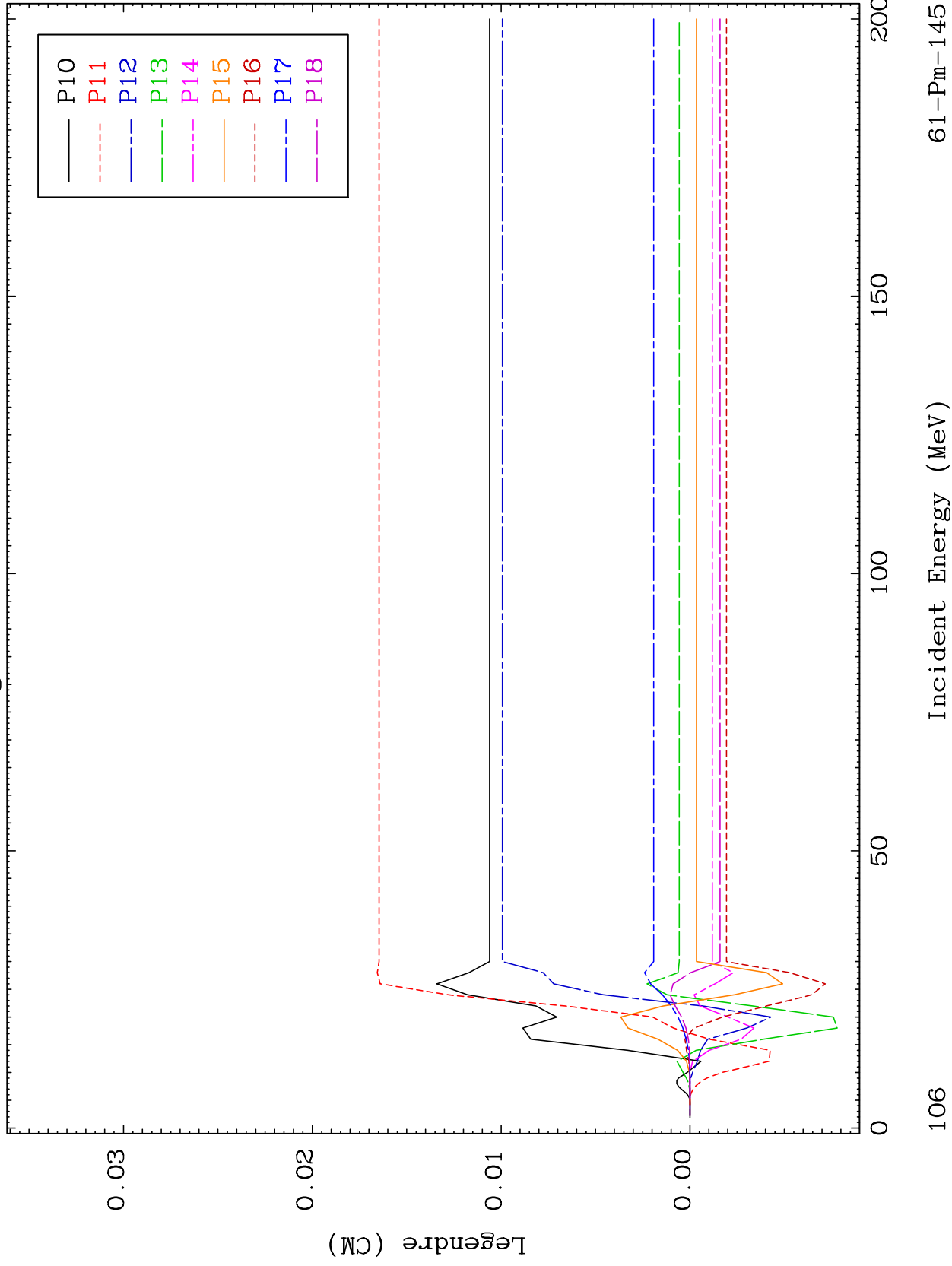
Incident Energy (MeV)

Legendre (CM)

MAT 6143

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

61-Pm-145



61-Pm-145

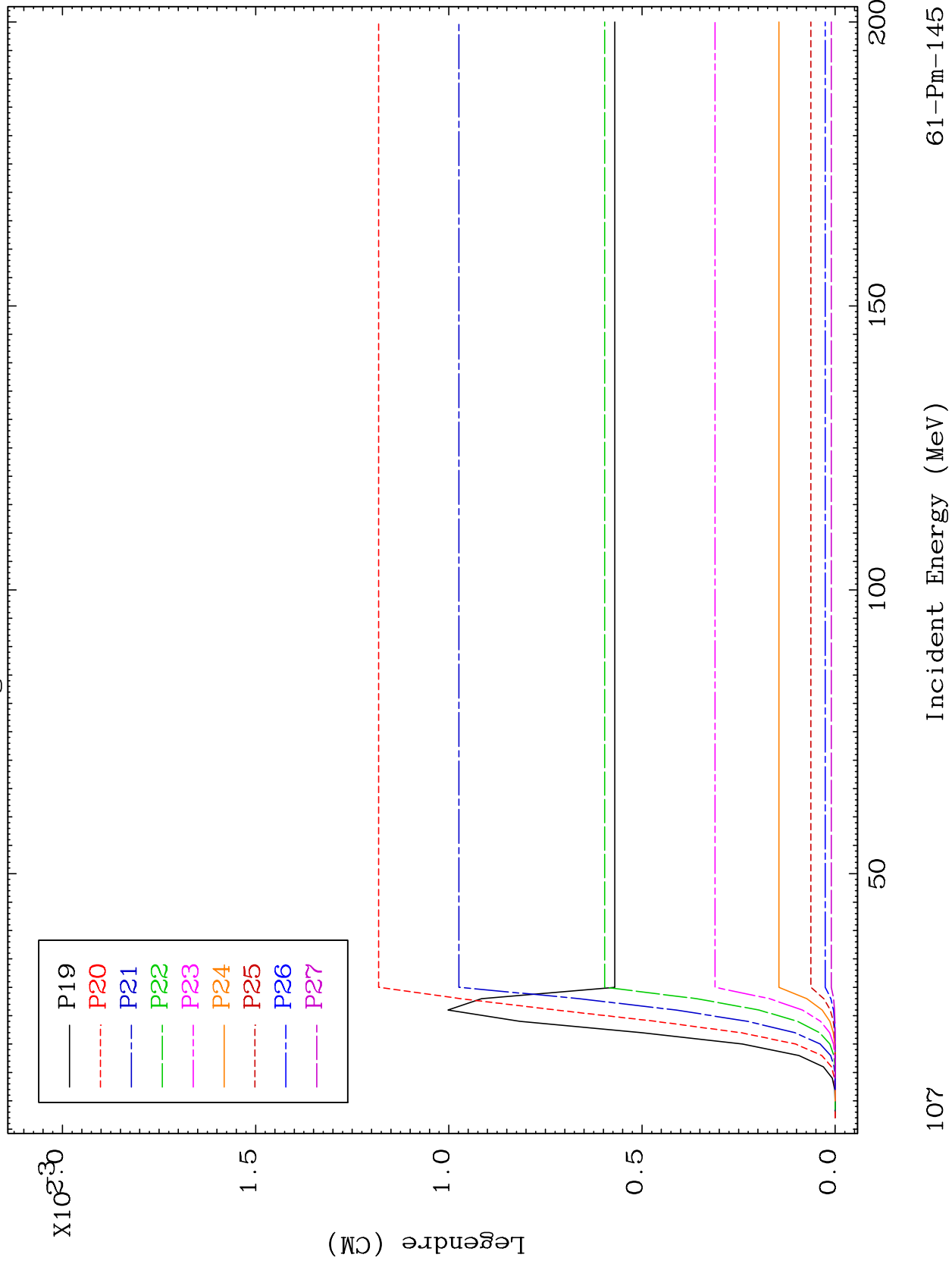
Incident Energy (MeV)

106

MAT 6143

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

61-Pm-145

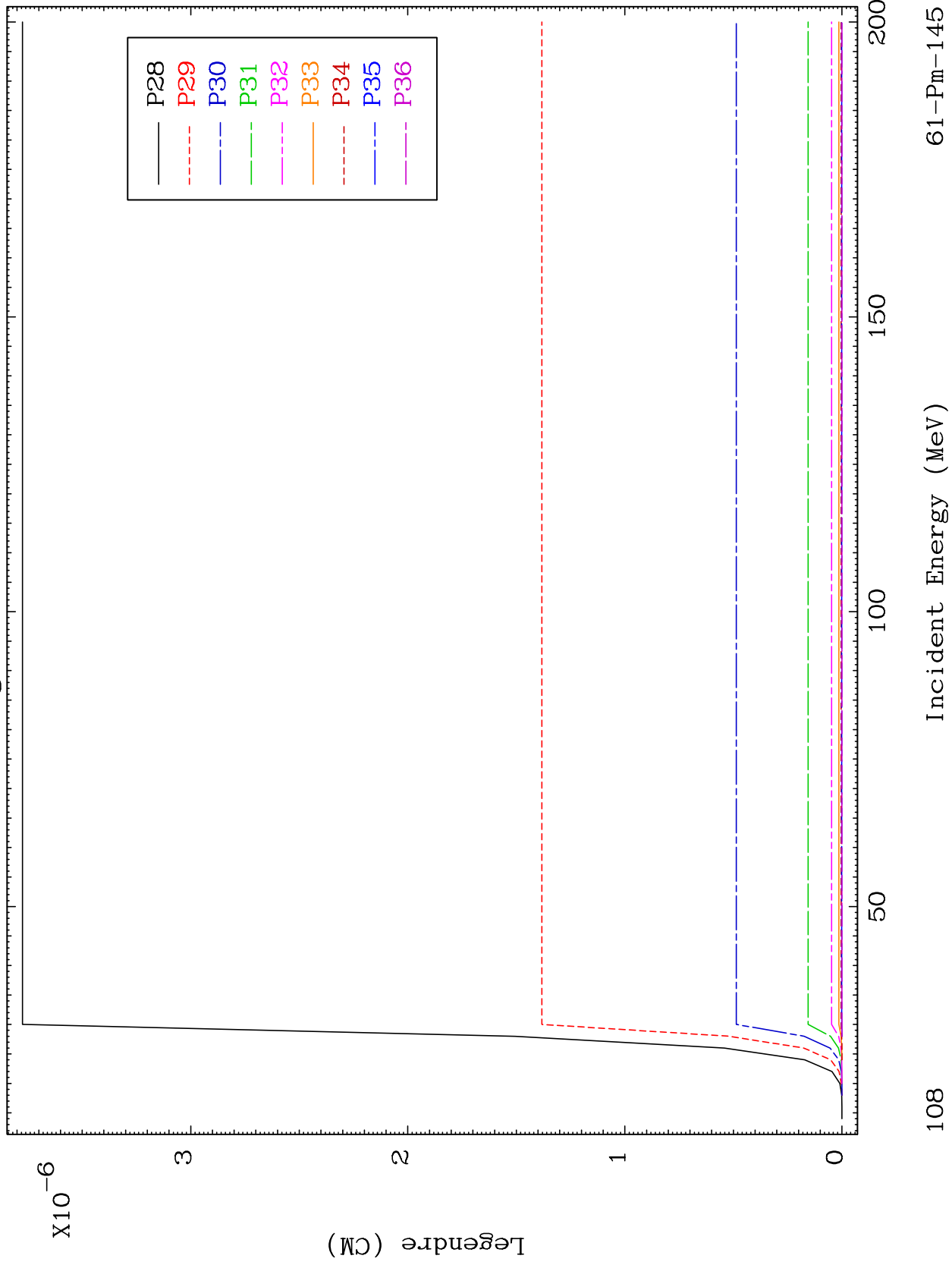


107

MAT 6143

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

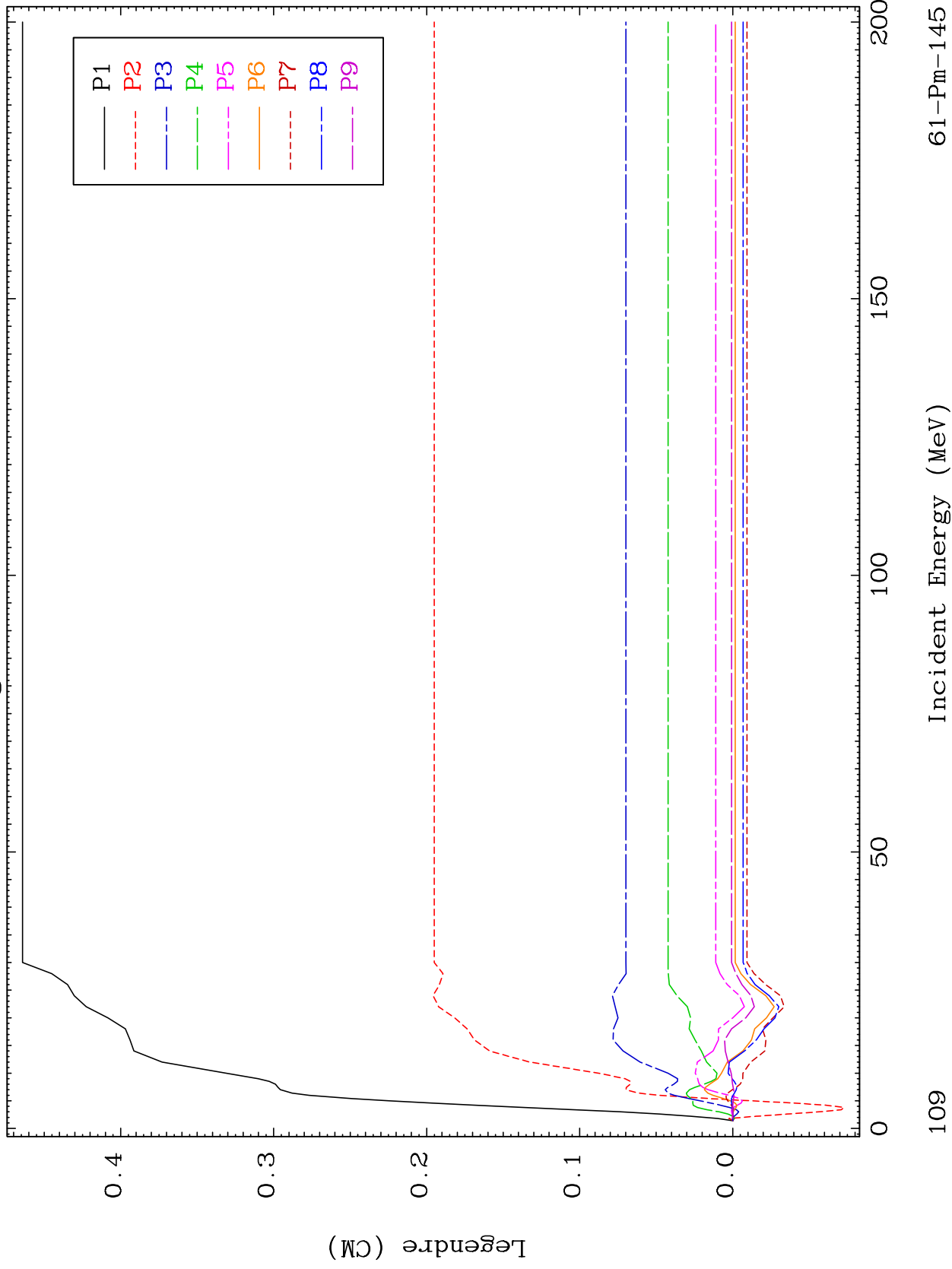
61-Pm-145



MAT 6143

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

61-Pm-145



61-Pm-145

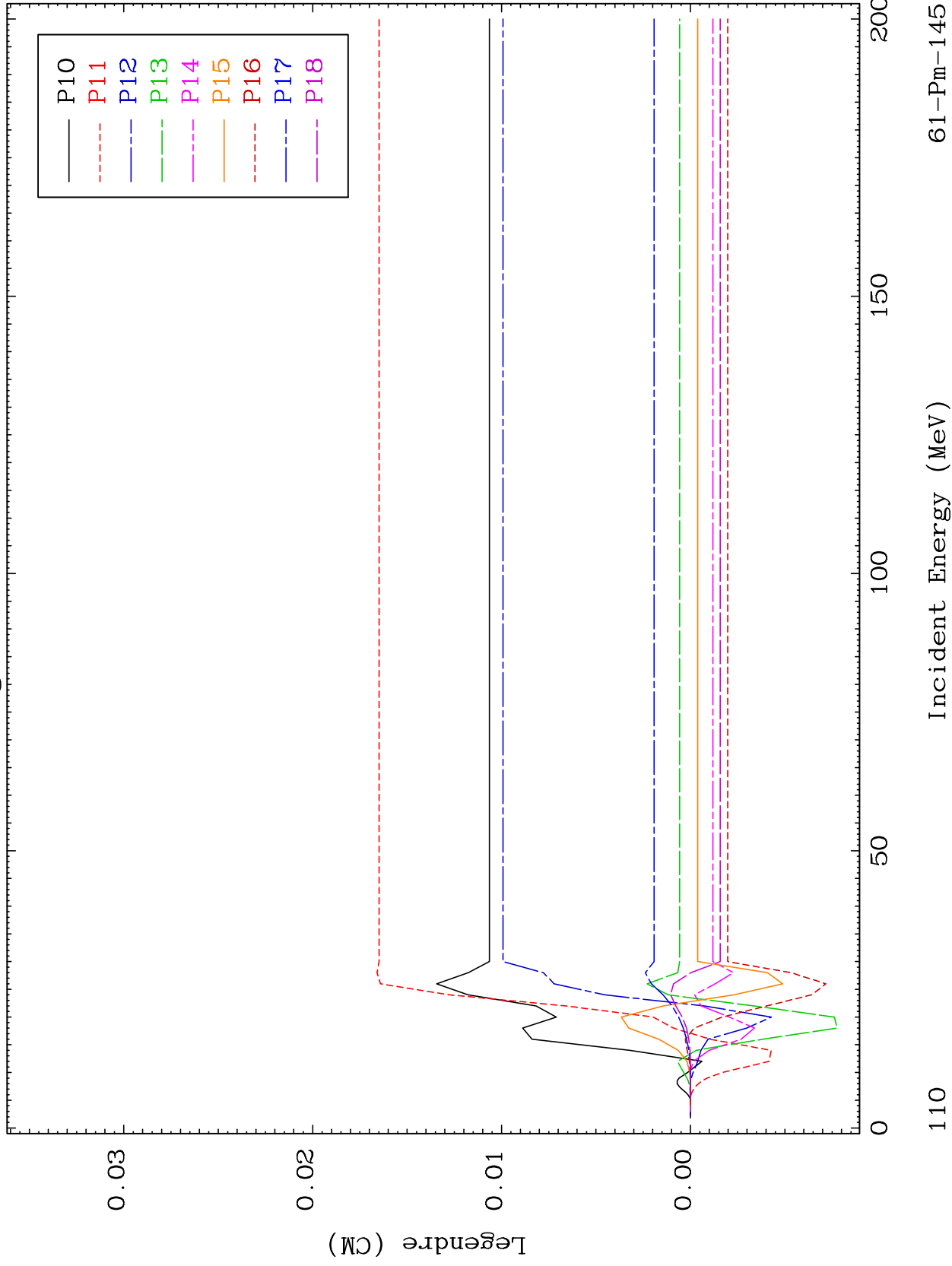
Incident Energy (MeV)

109

MAT 6143

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

61-Pm-145



61-Pm-145

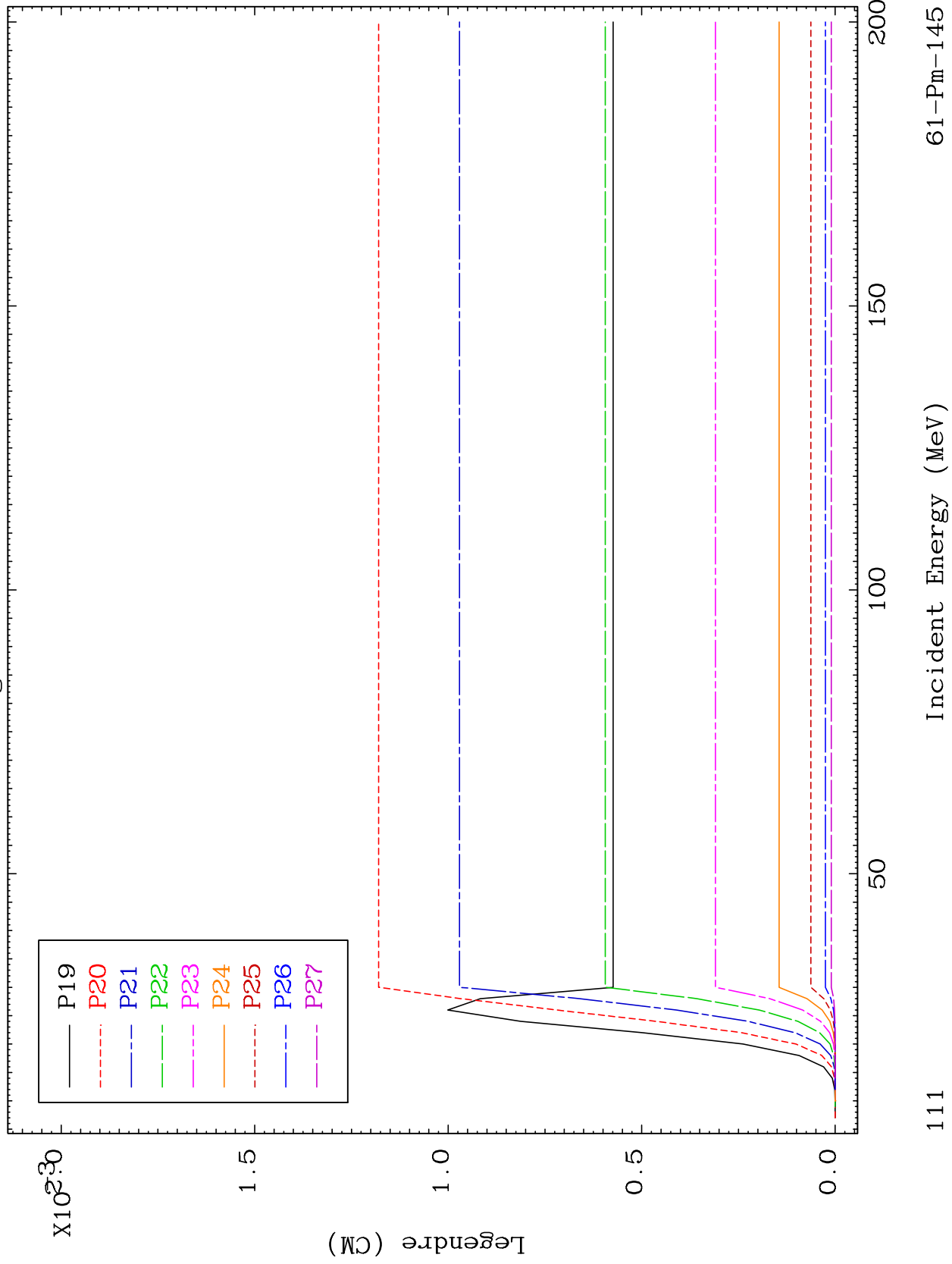
Incident Energy (MeV)

110

MAT 6143

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

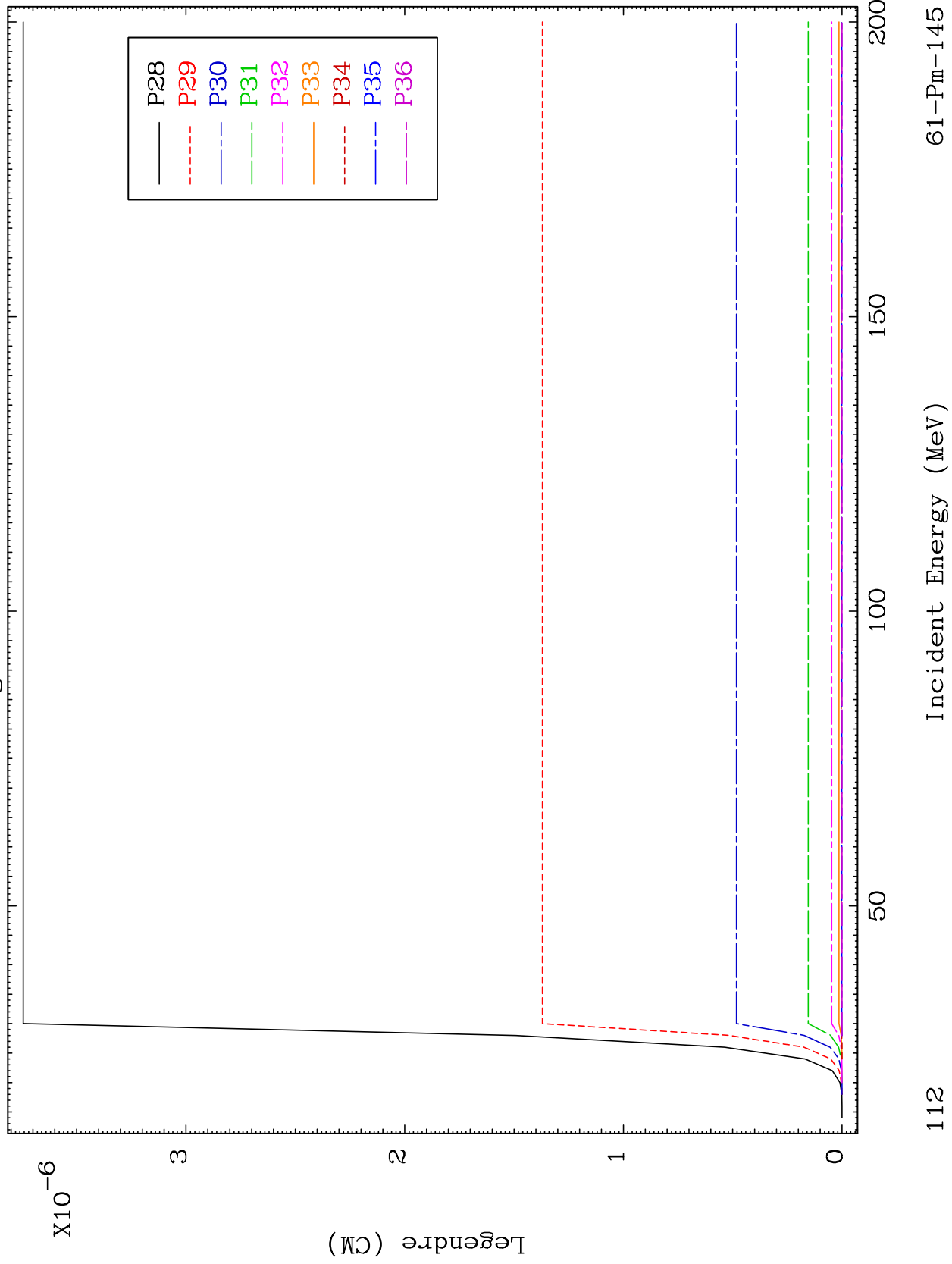
61-Pm-145



MAT 6143

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

61-Pm-145



112

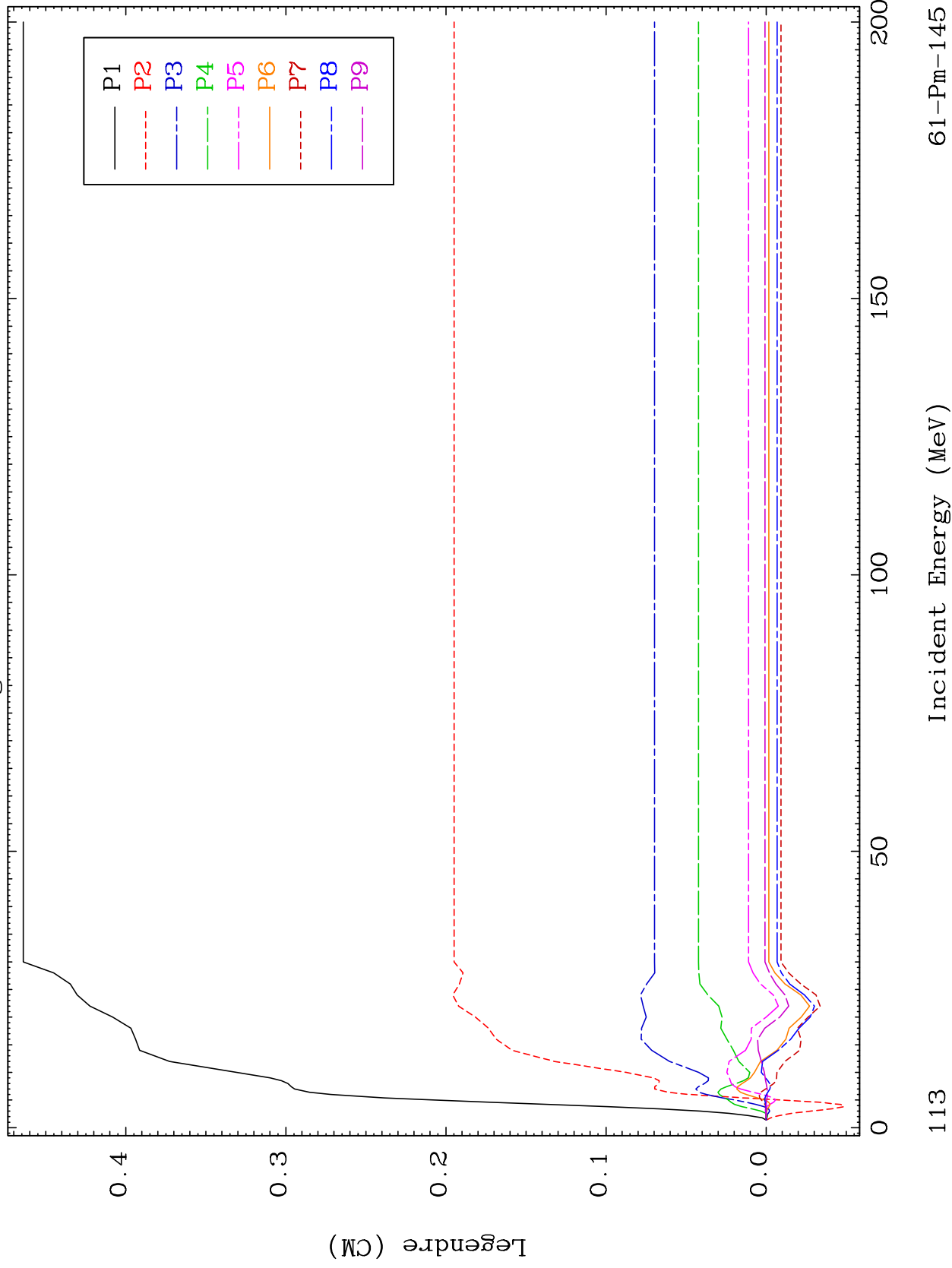
Incident Energy (MeV)

61-Pm-145

MAT 6143

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

61-Pm-145



61-Pm-145

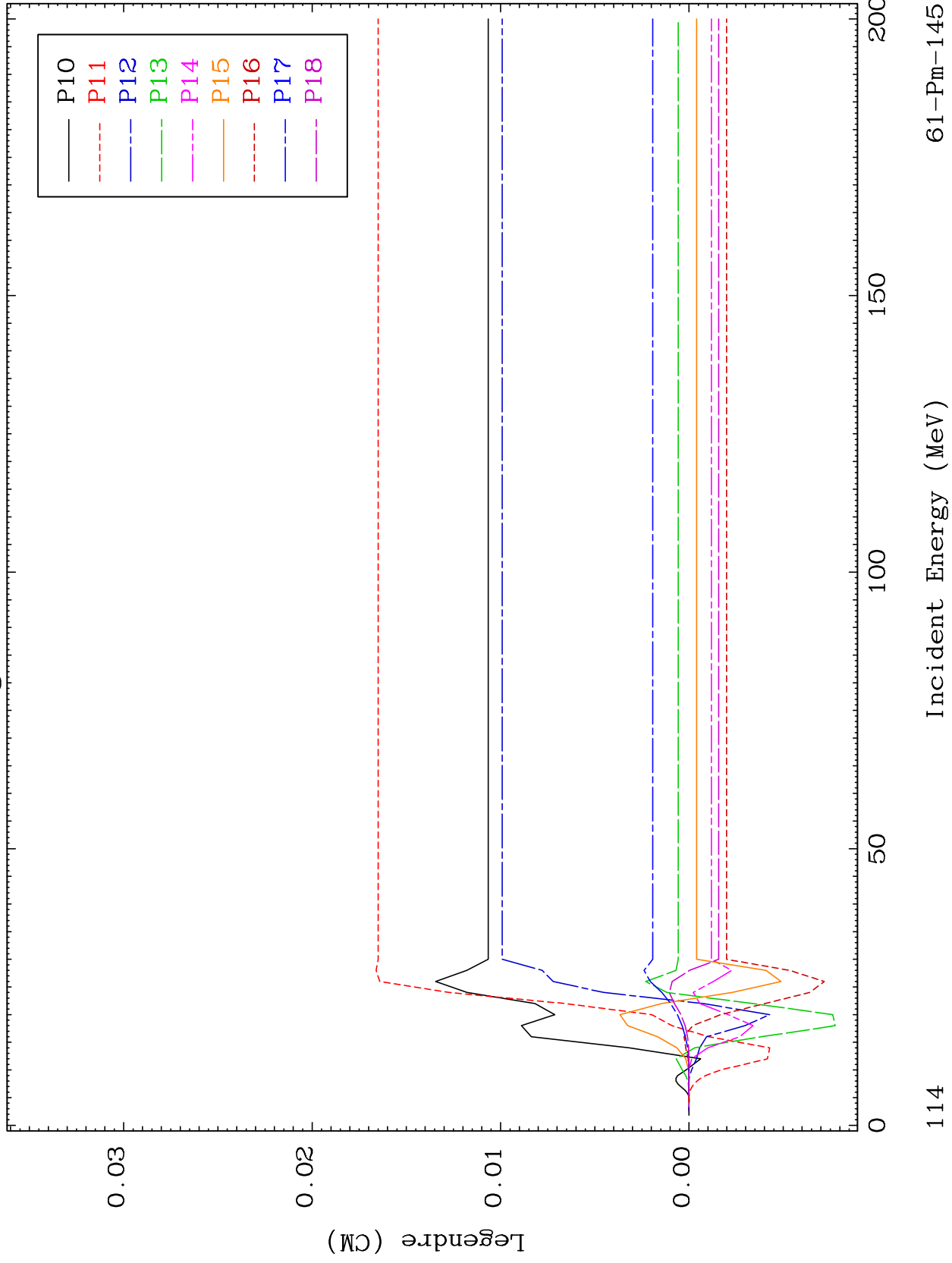
Incident Energy (MeV)

113

MAT 6143

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

61-Pm-145



114

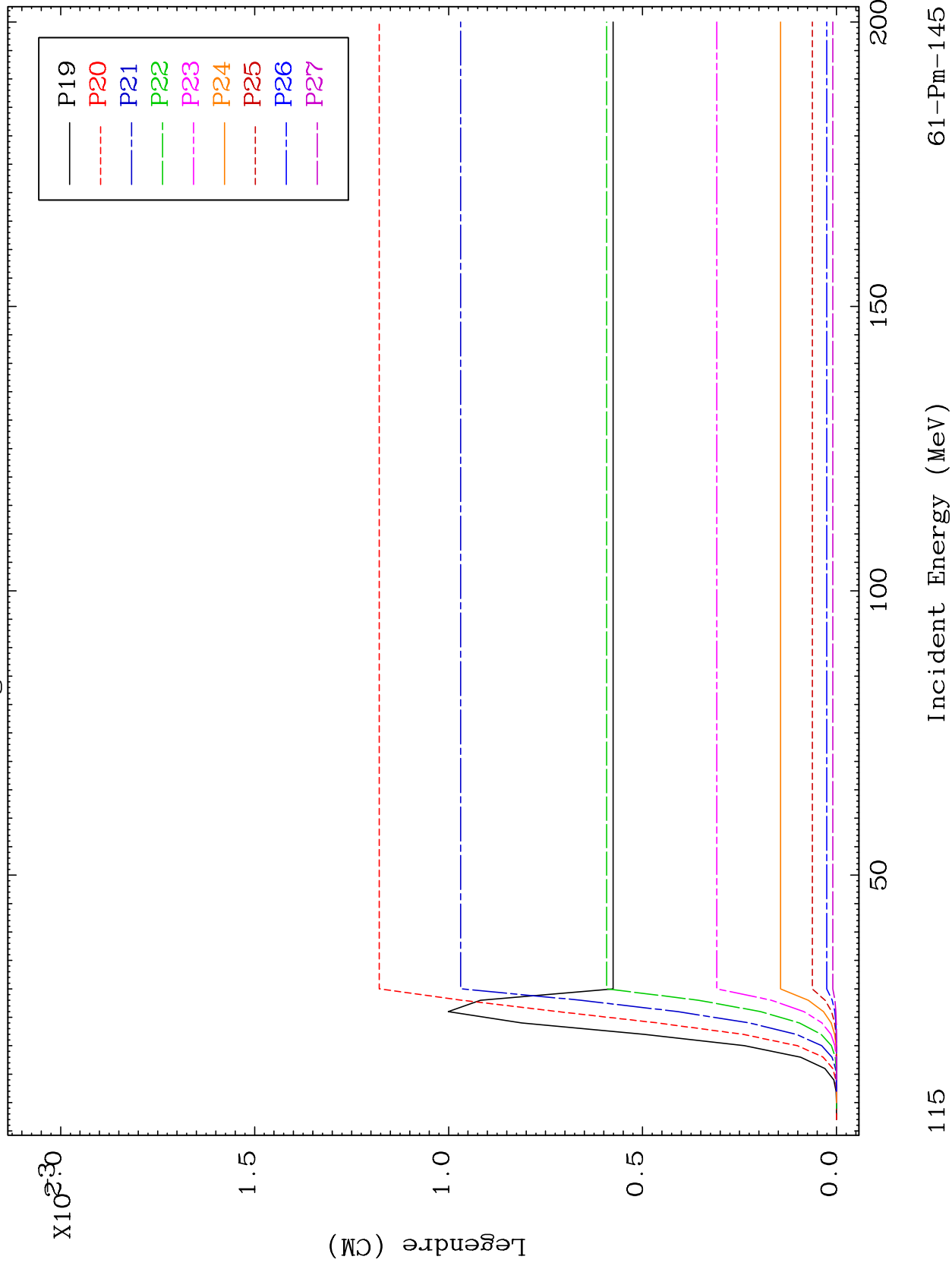
Incident Energy (MeV)

61-Pm-145

MAT 6143

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

61-Pm-145



115

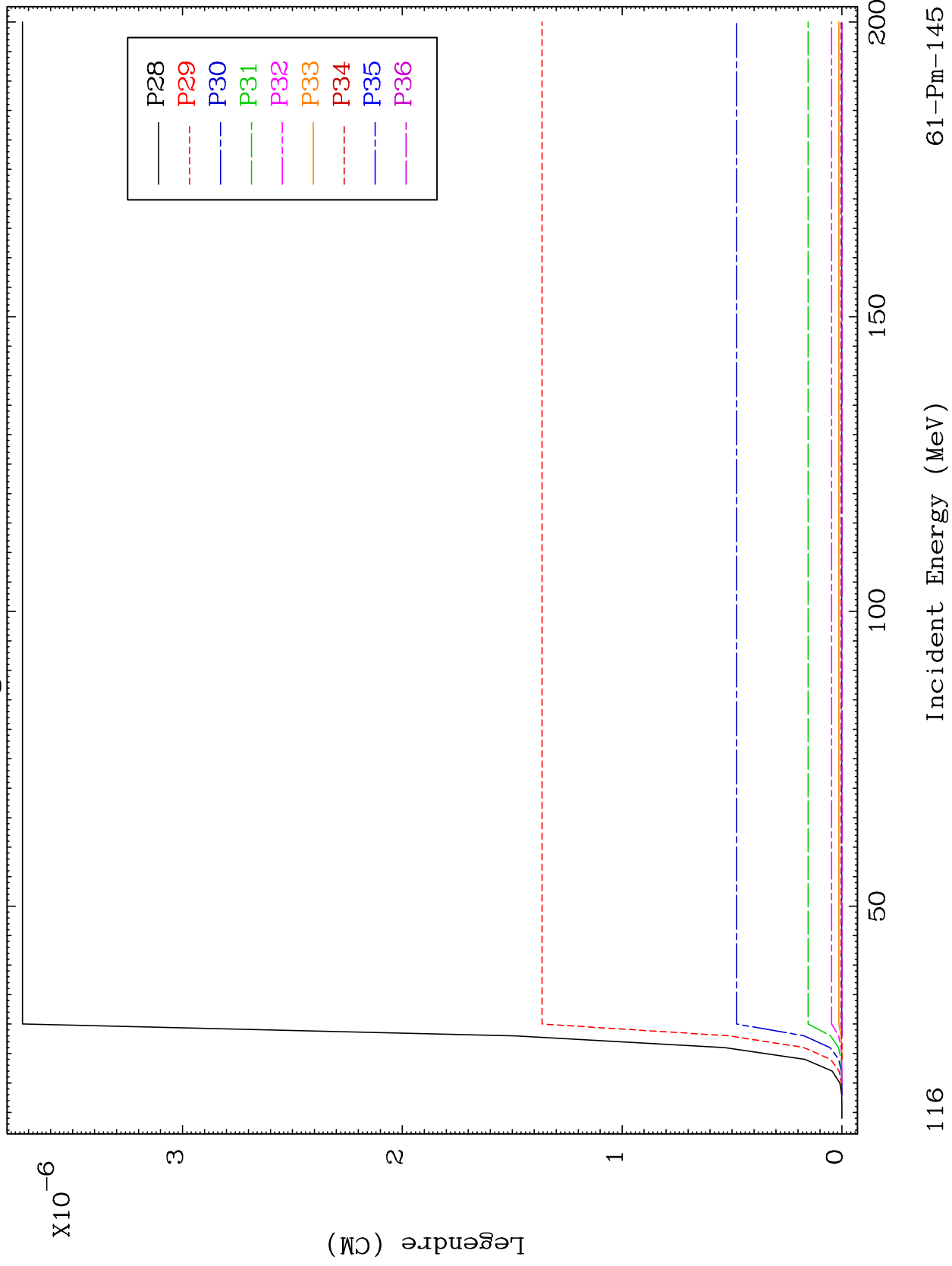
Incident Energy (MeV)

61-Pm-145

MAT 6143

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

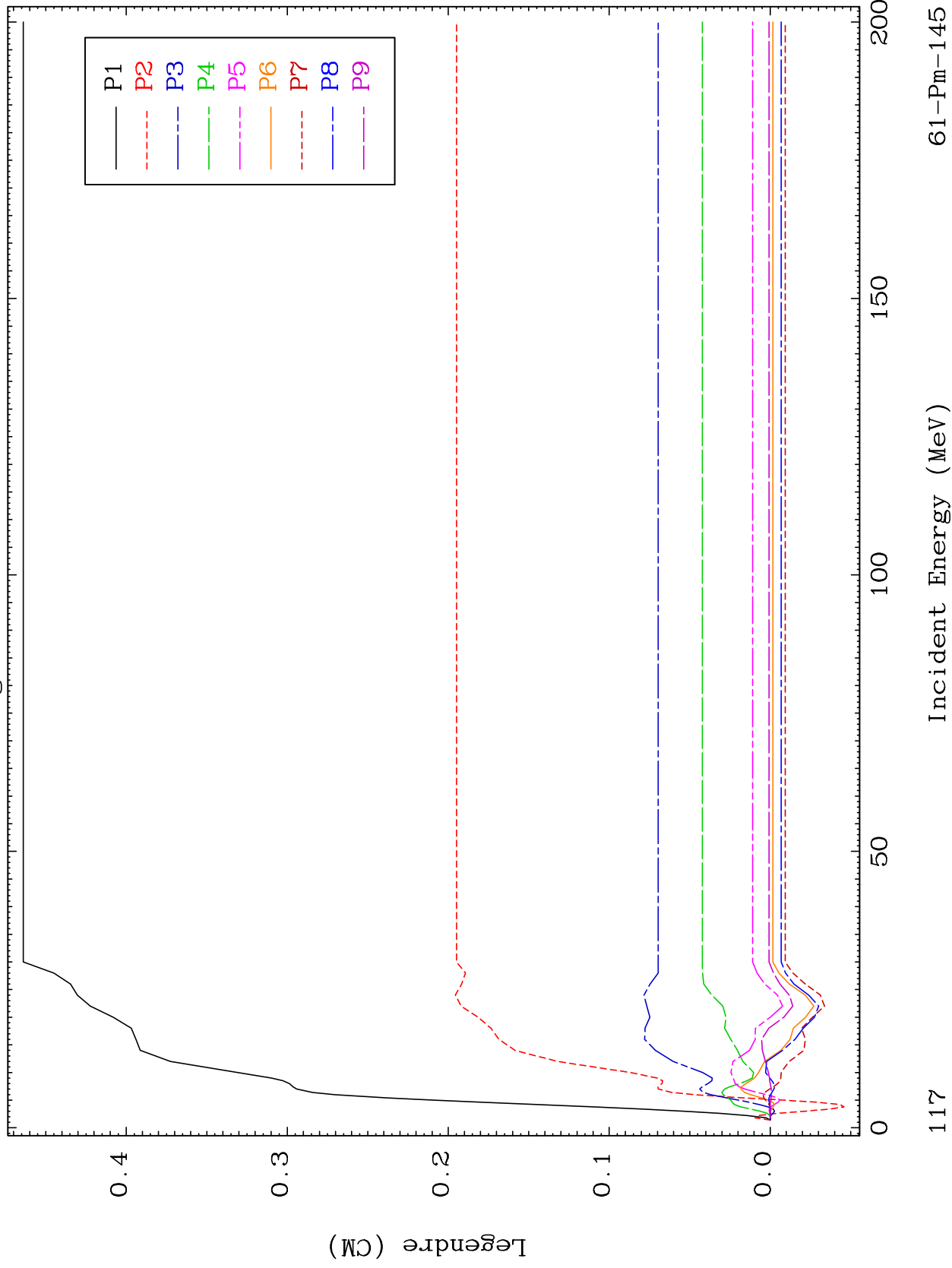
61-Pm-145



MAT 6143

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

61-Pm-145



117

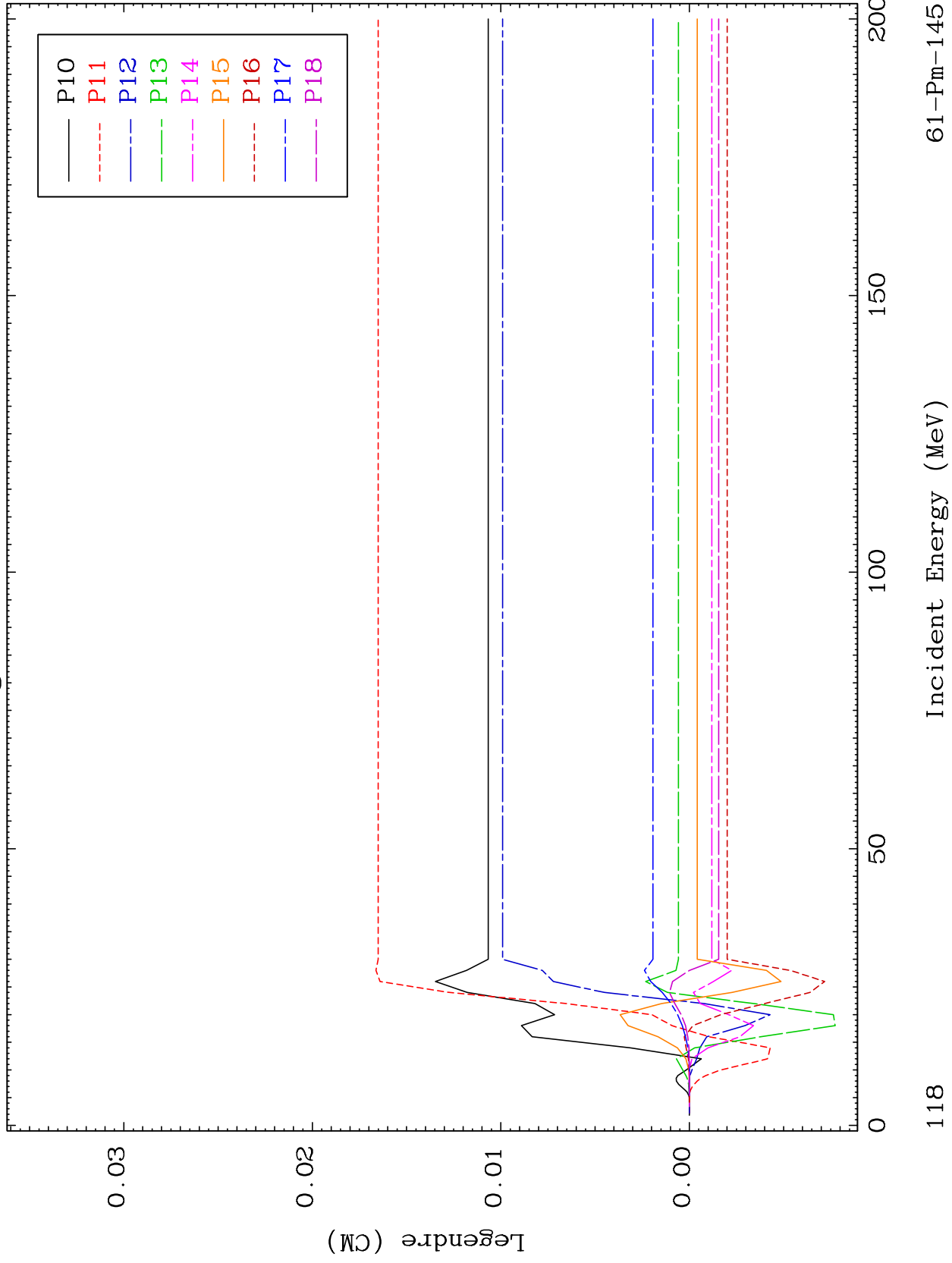
Incident Energy (MeV)

61-Pm-145

MAT 6143

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

61-Pm-145



61-Pm-145

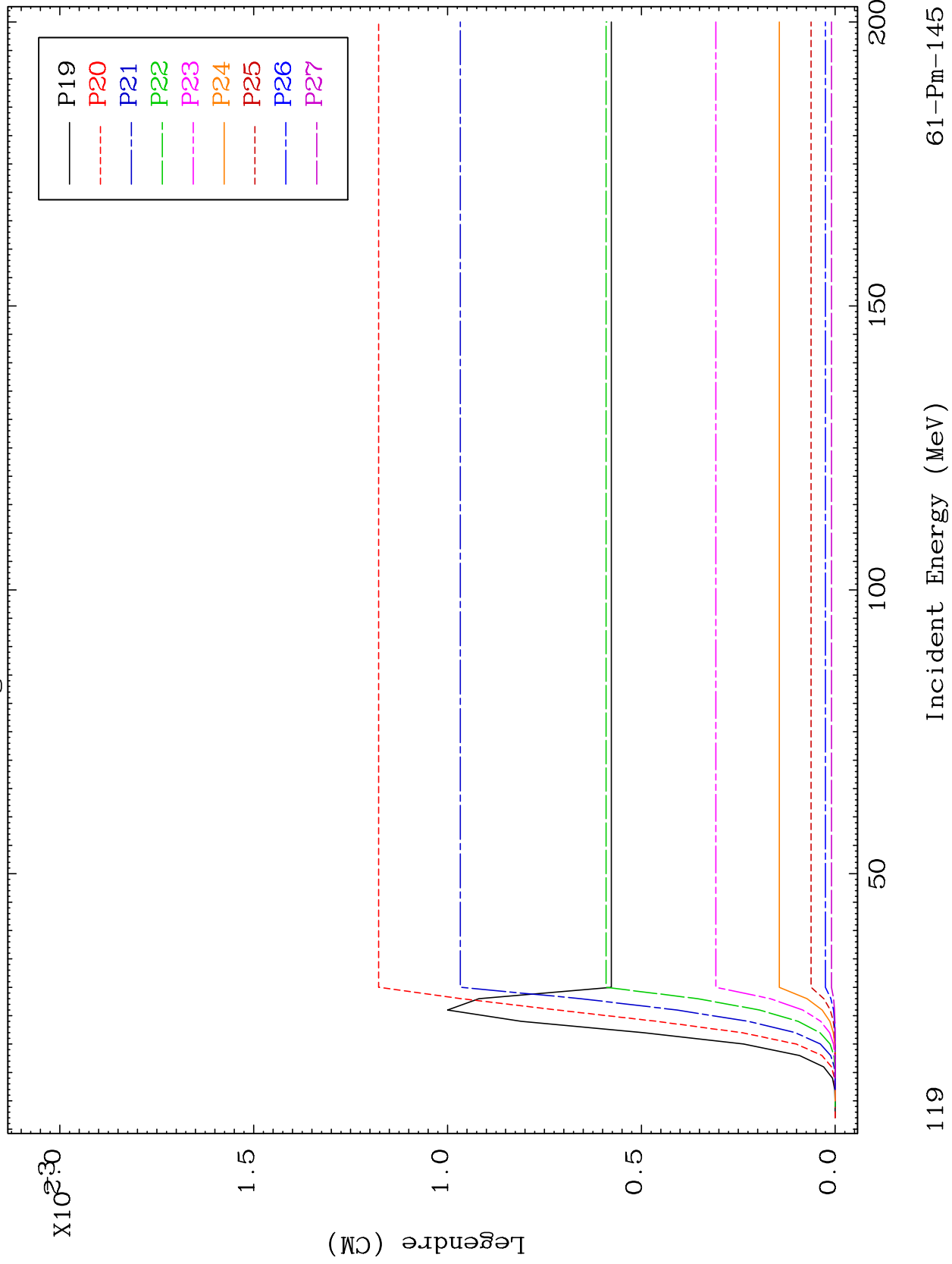
Incident Energy (MeV)

118

MAT 6143

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

61-Pm-145



119

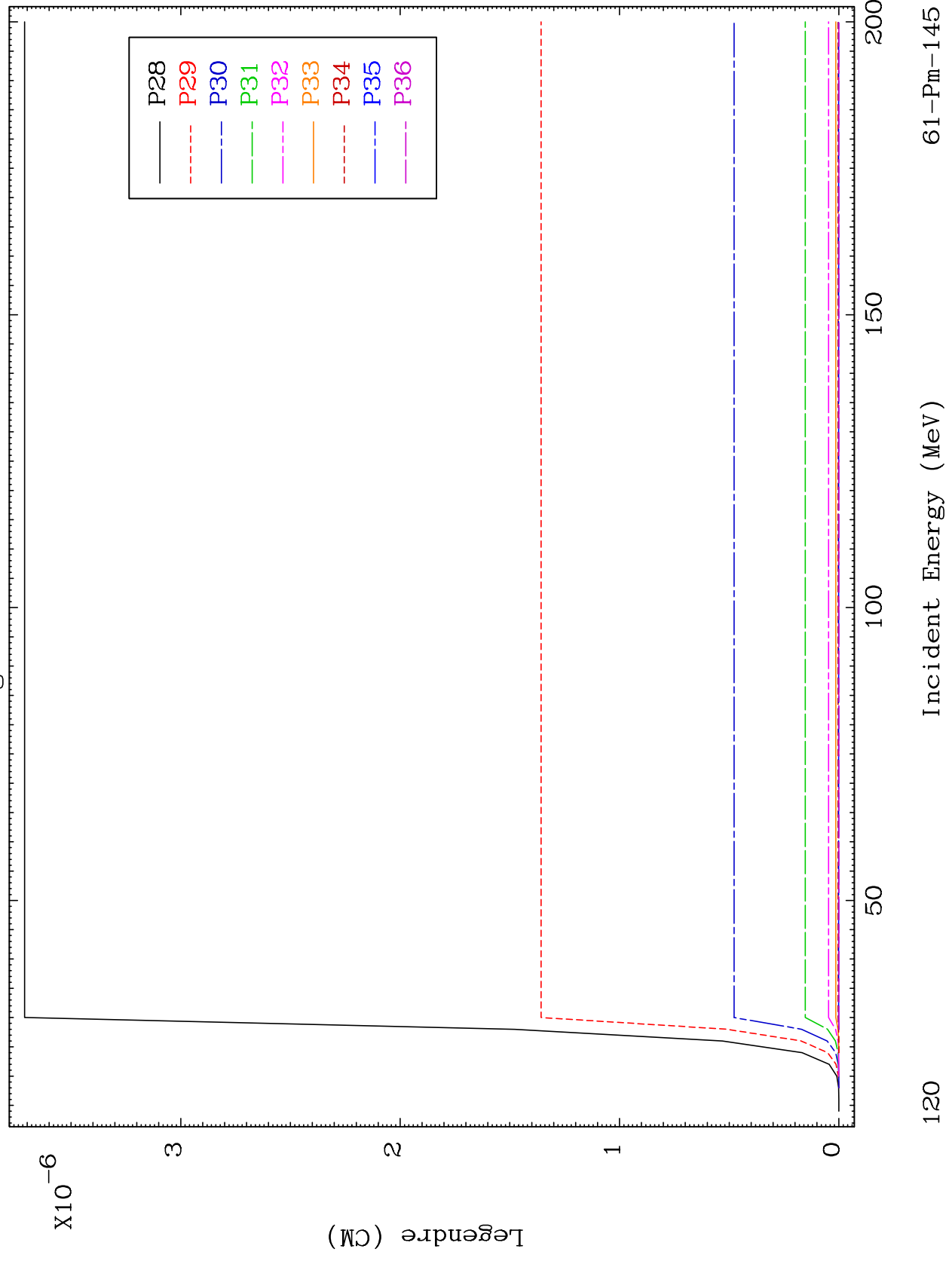
Incident Energy (MeV)

61-Pm-145

MAT 6143

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

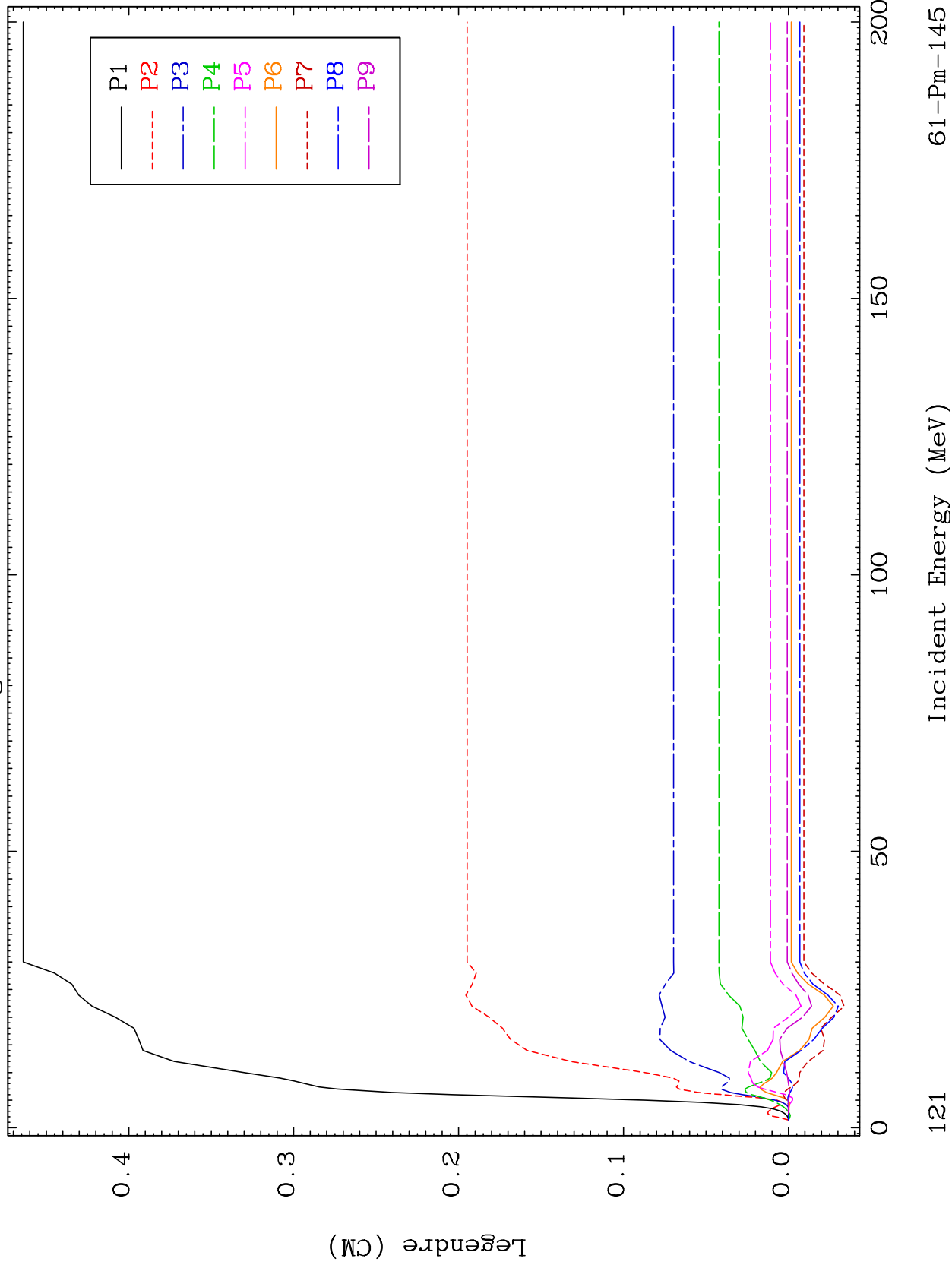
61-Pm-145



MAT 6143

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

61-Pm-145



61-Pm-145

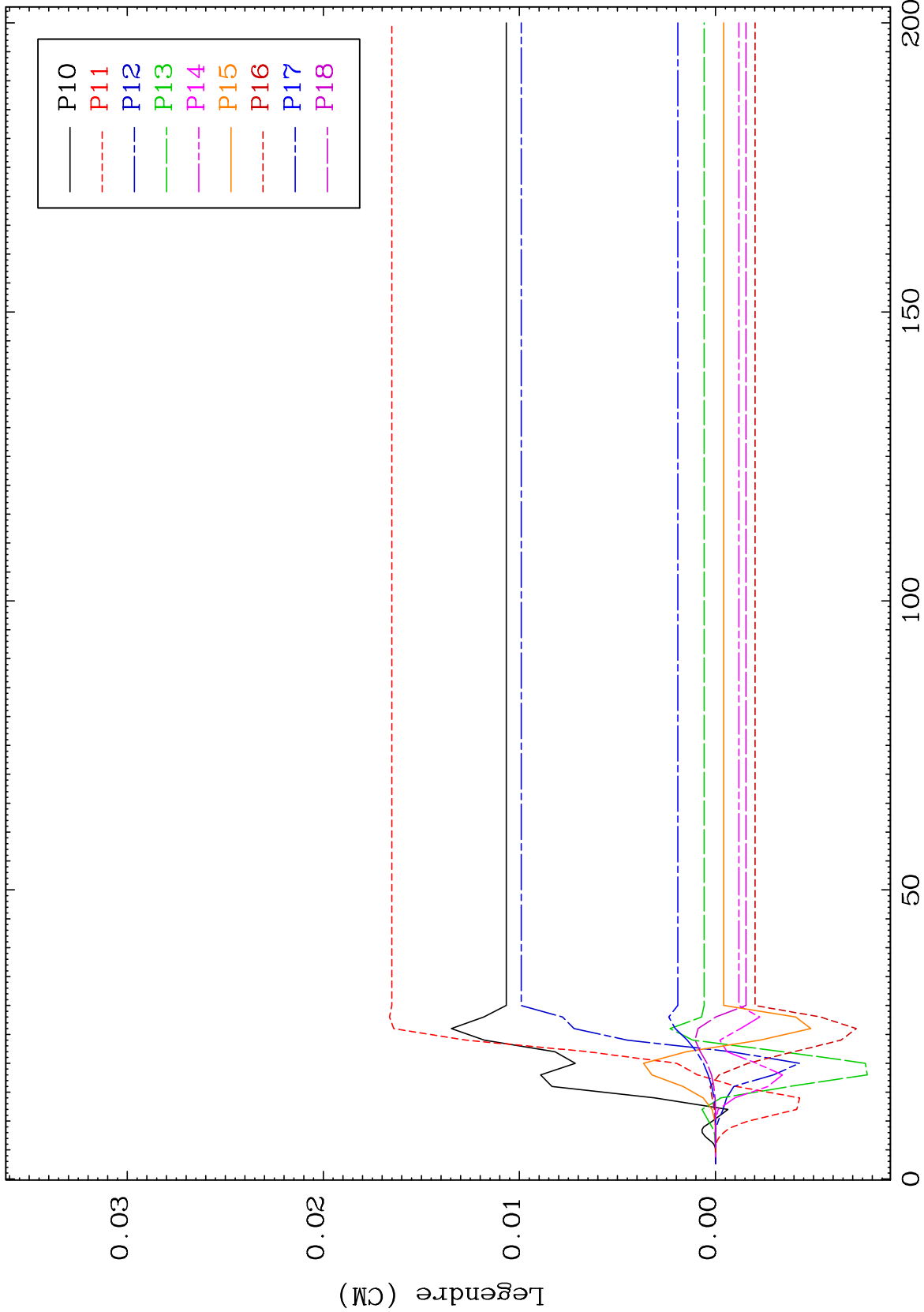
Incident Energy (MeV)

121

MAT 6143

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

61-Pm-145



61-Pm-145

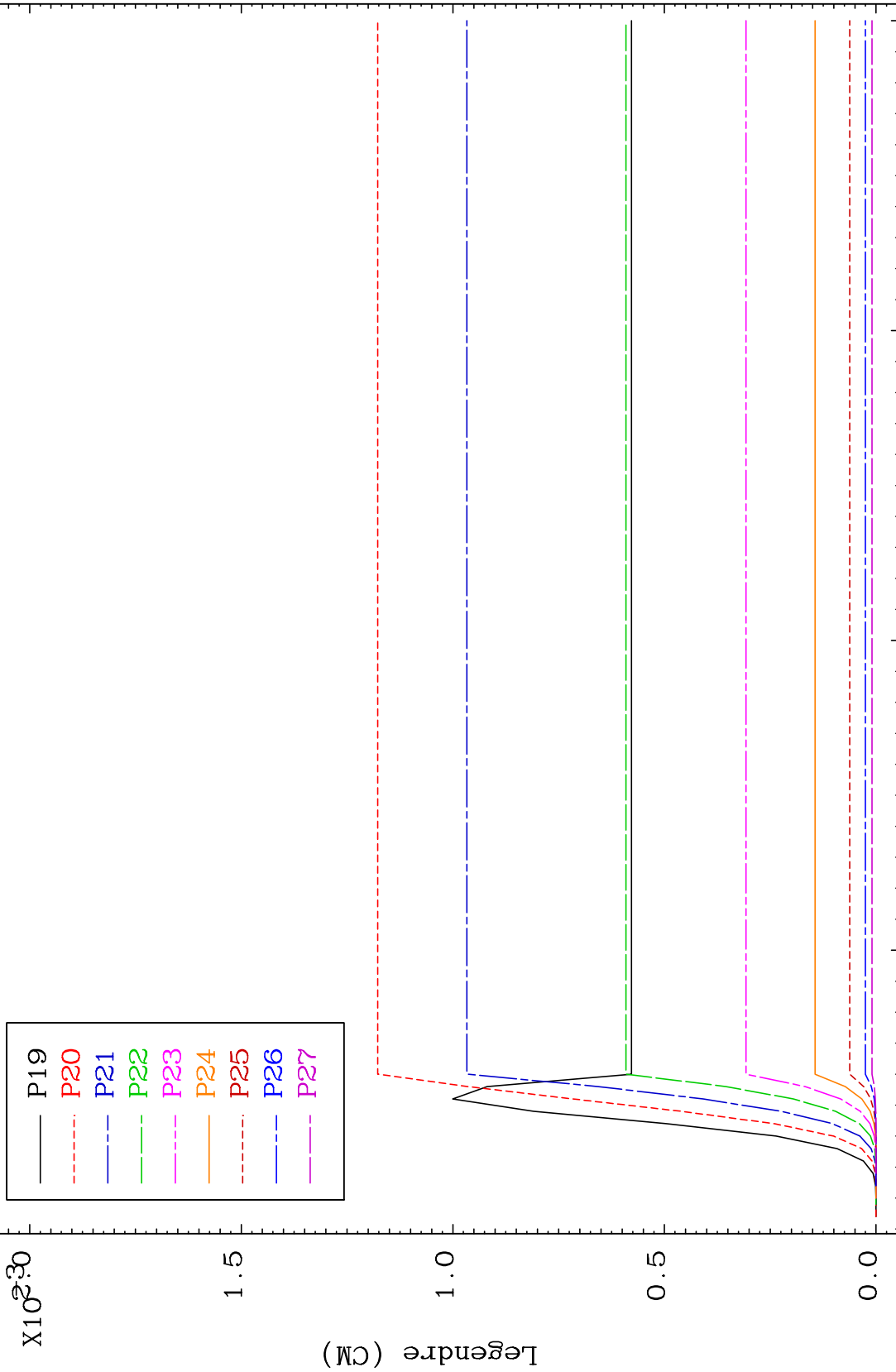
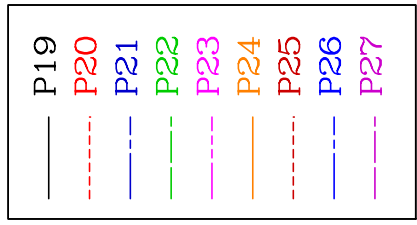
Incident Energy (MeV)

122

MAT 6143

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

61-Pm-145



123

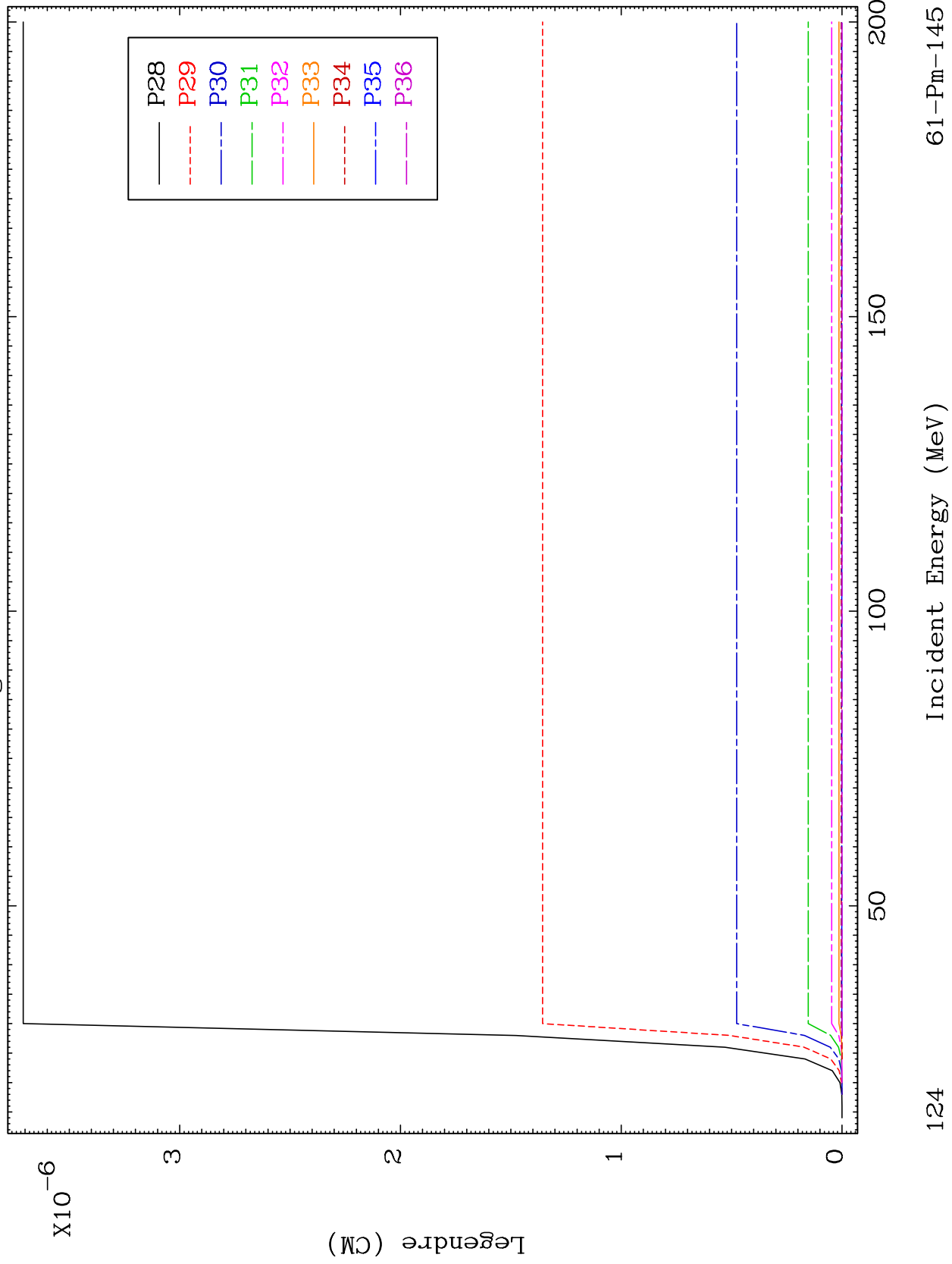
Incident Energy (MeV)

61-Pm-145

MAT 6143

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

61-Pm-145



124

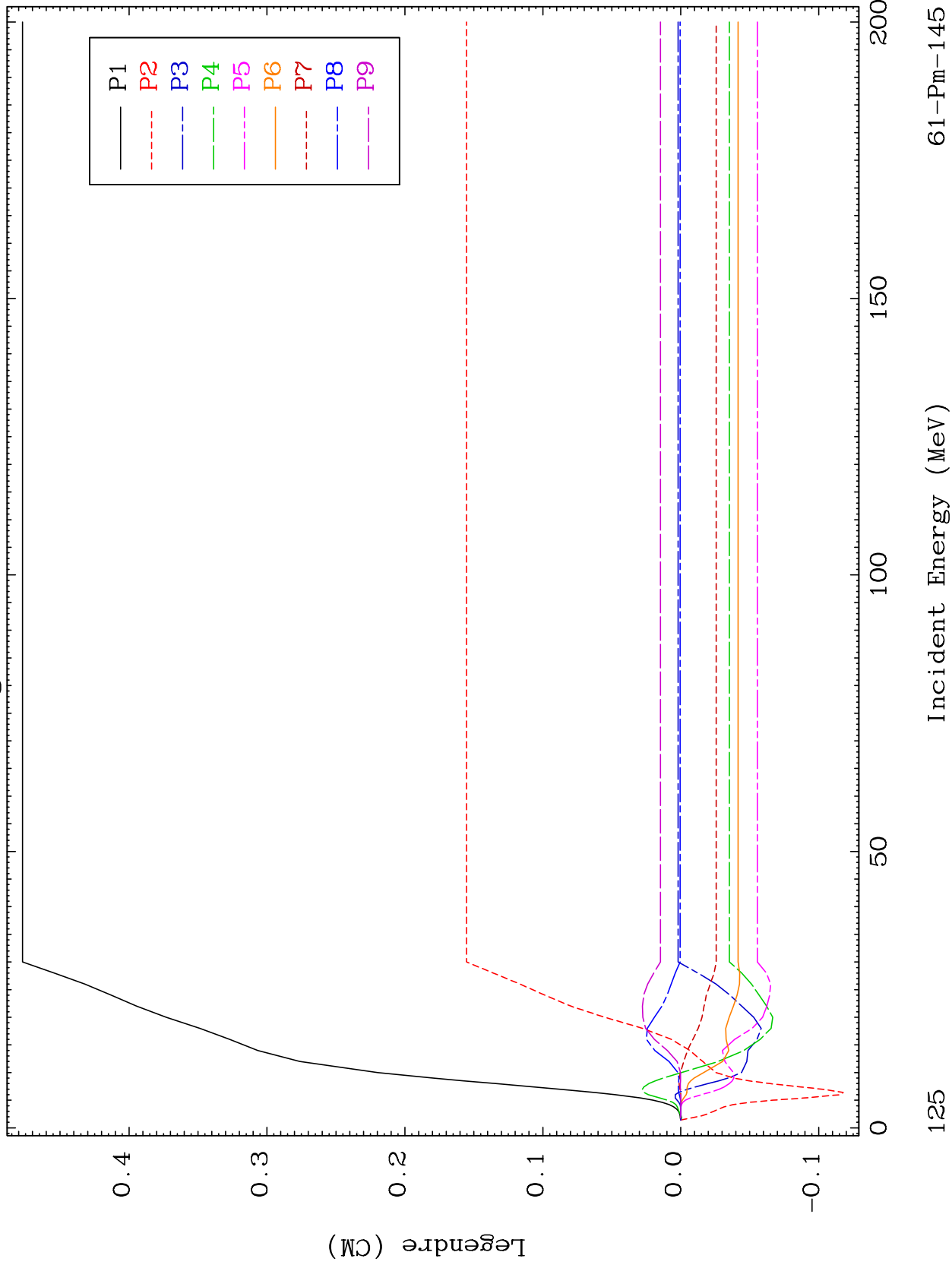
Incident Energy (MeV)

61-Pm-145

MAT 6143

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

61-Pm-145



61-Pm-145

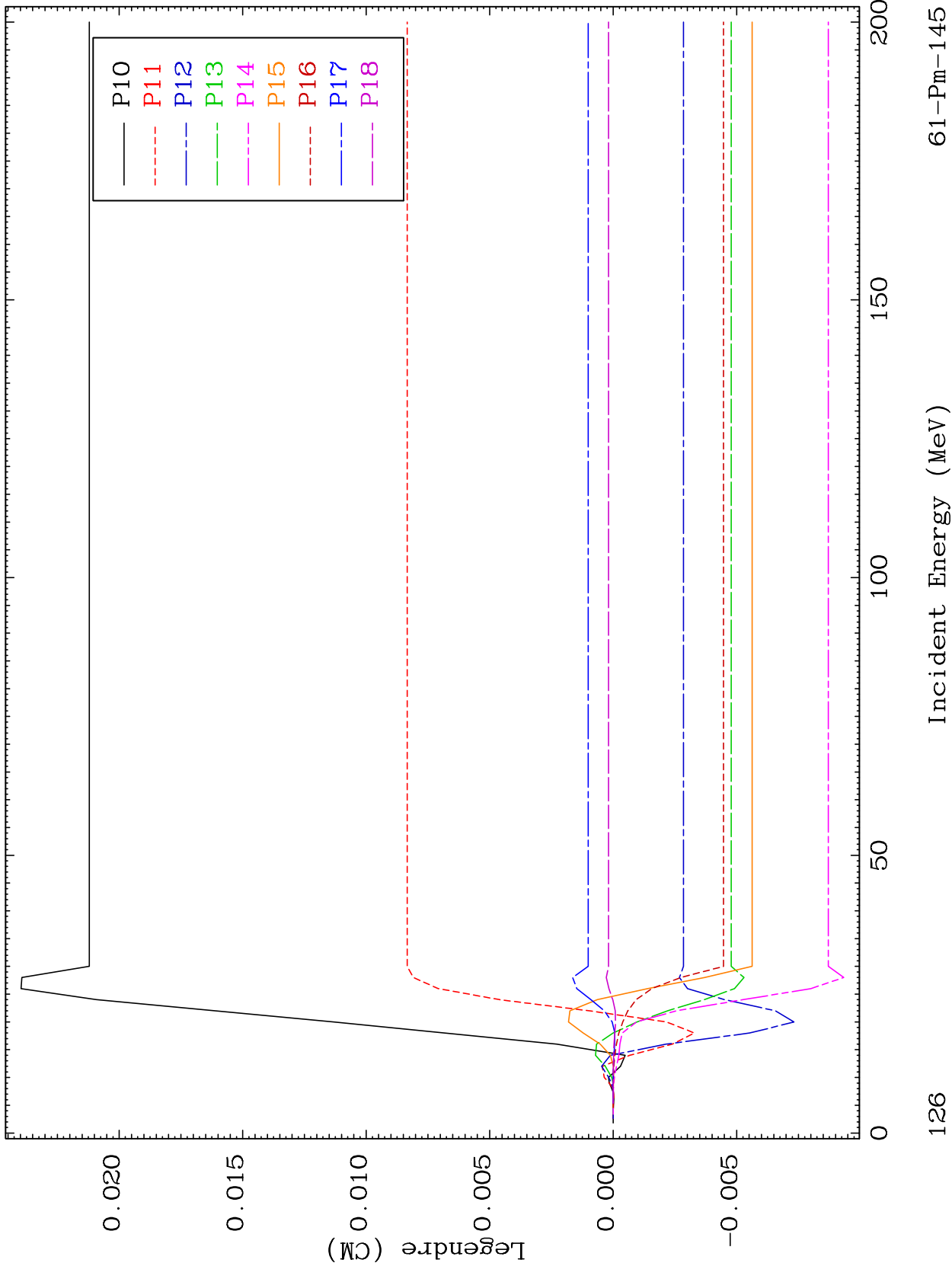
Incident Energy (MeV)

125

MAT 6143

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

61-Pm-145



126

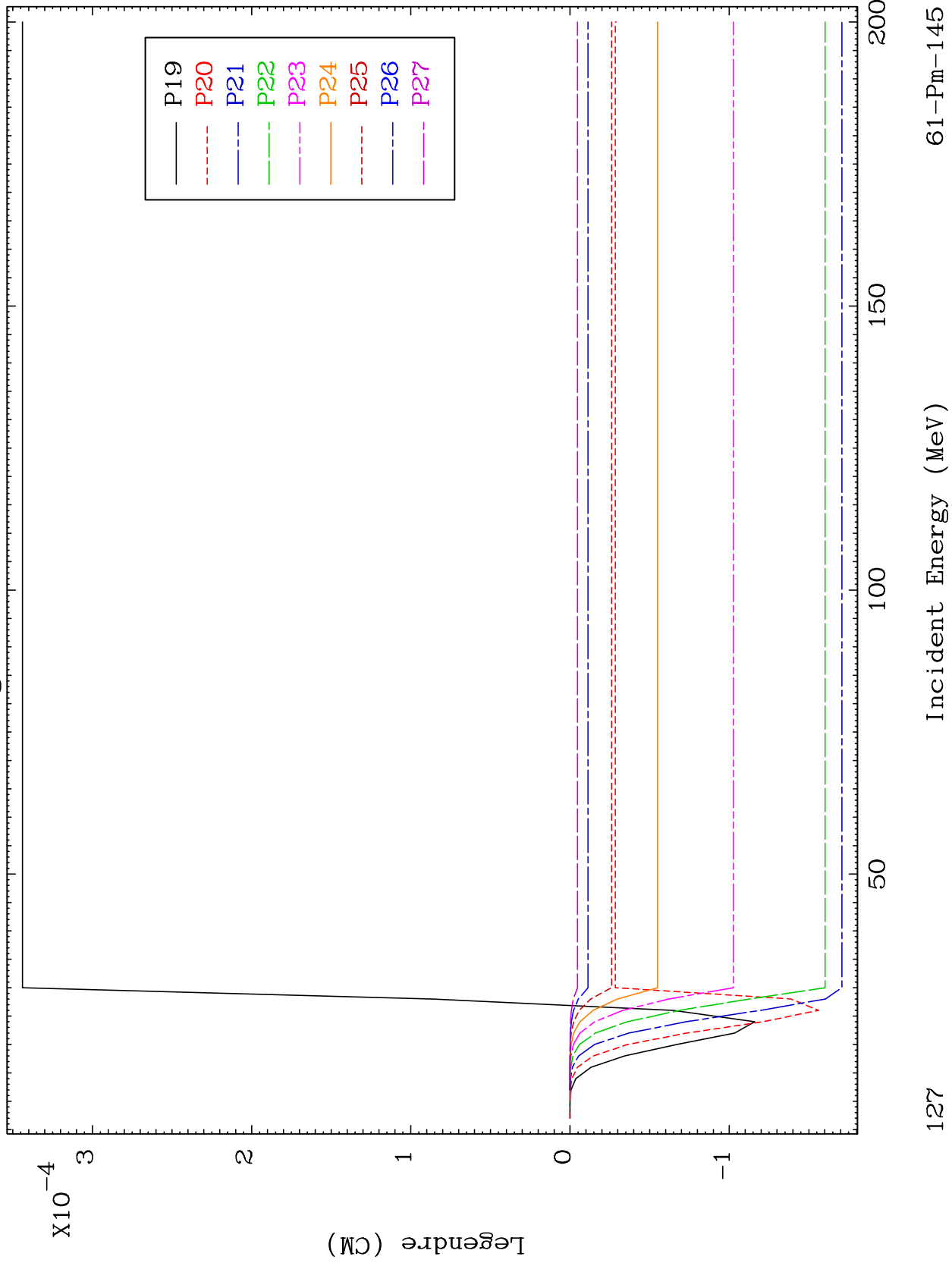
Incident Energy (MeV)

61-Pm-145

MAT 6143

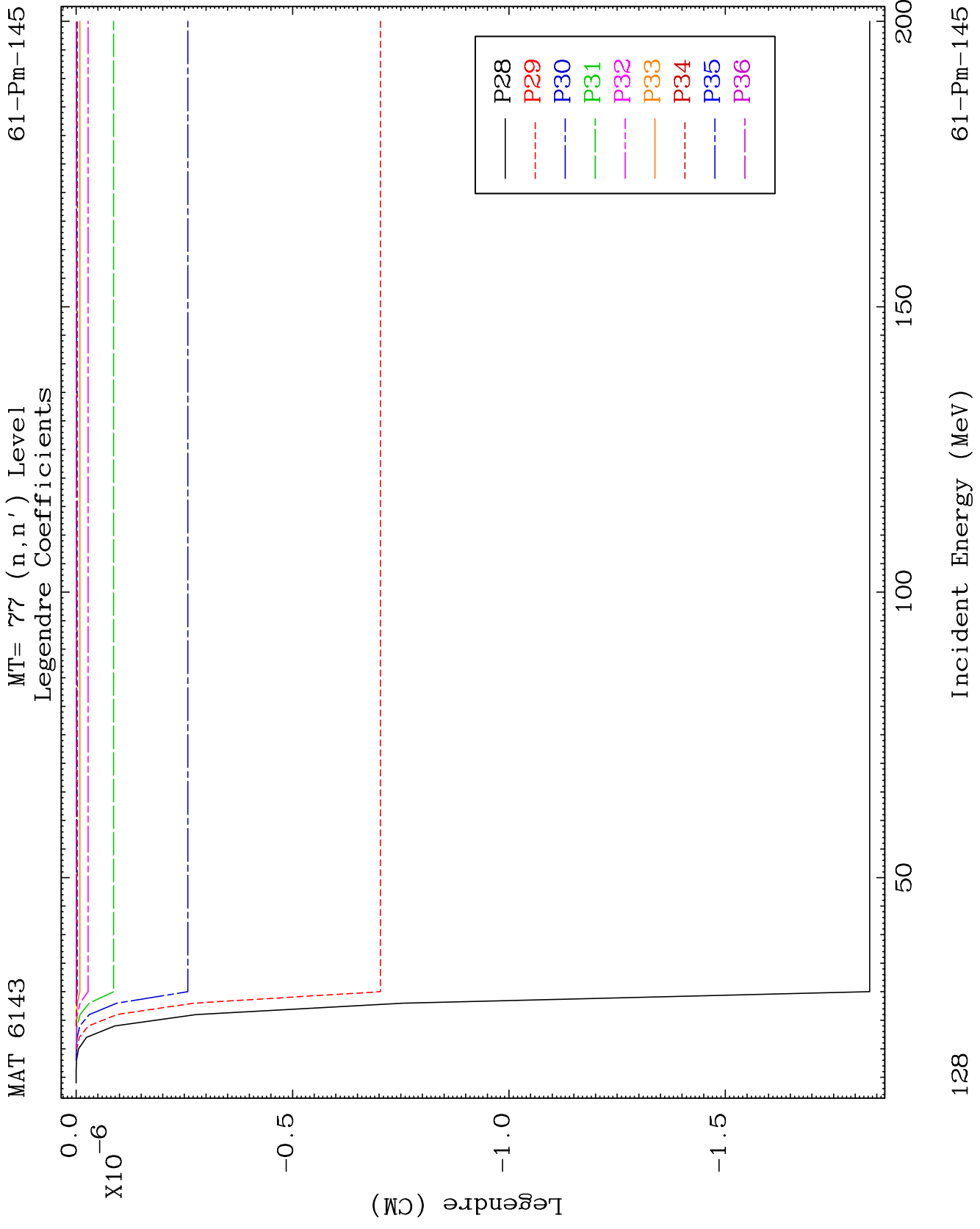
MT= 77 (n,n') Level
Legendre Coefficients

61-Pm-145



127

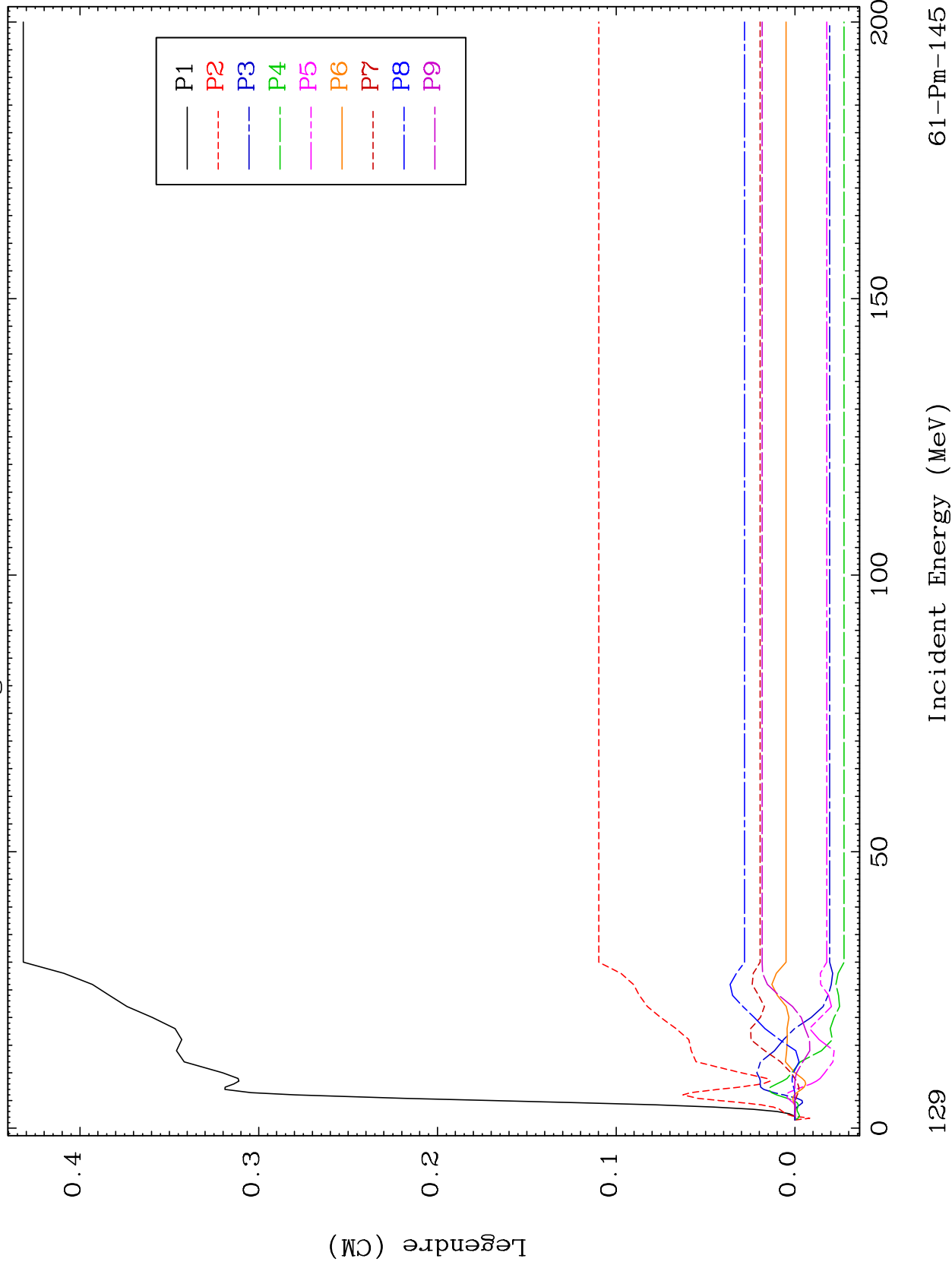
61-Pm-145



MAT 6143

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

61-Pm-145



61-Pm-145

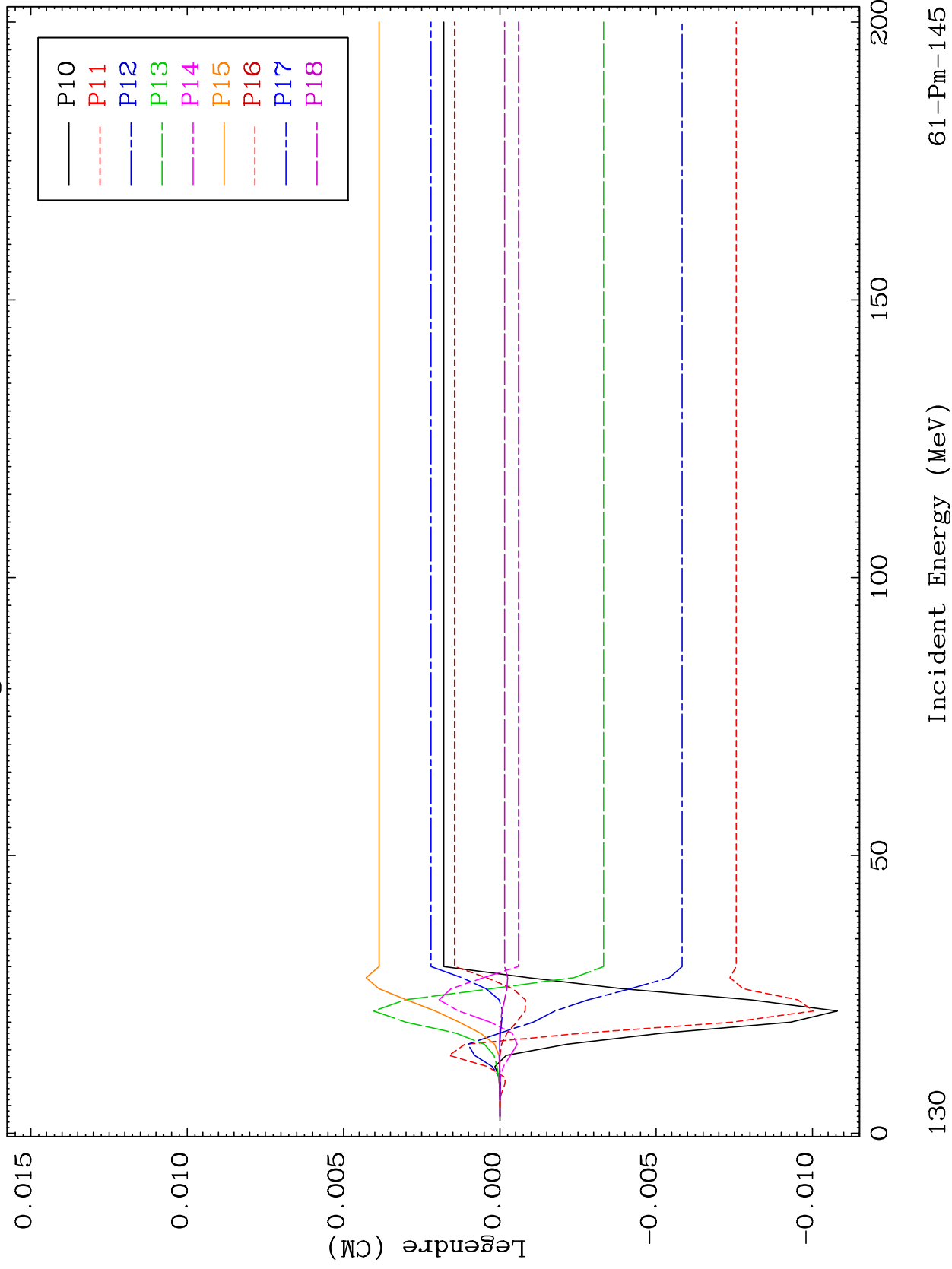
Incident Energy (MeV)

129

MAT 6143

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

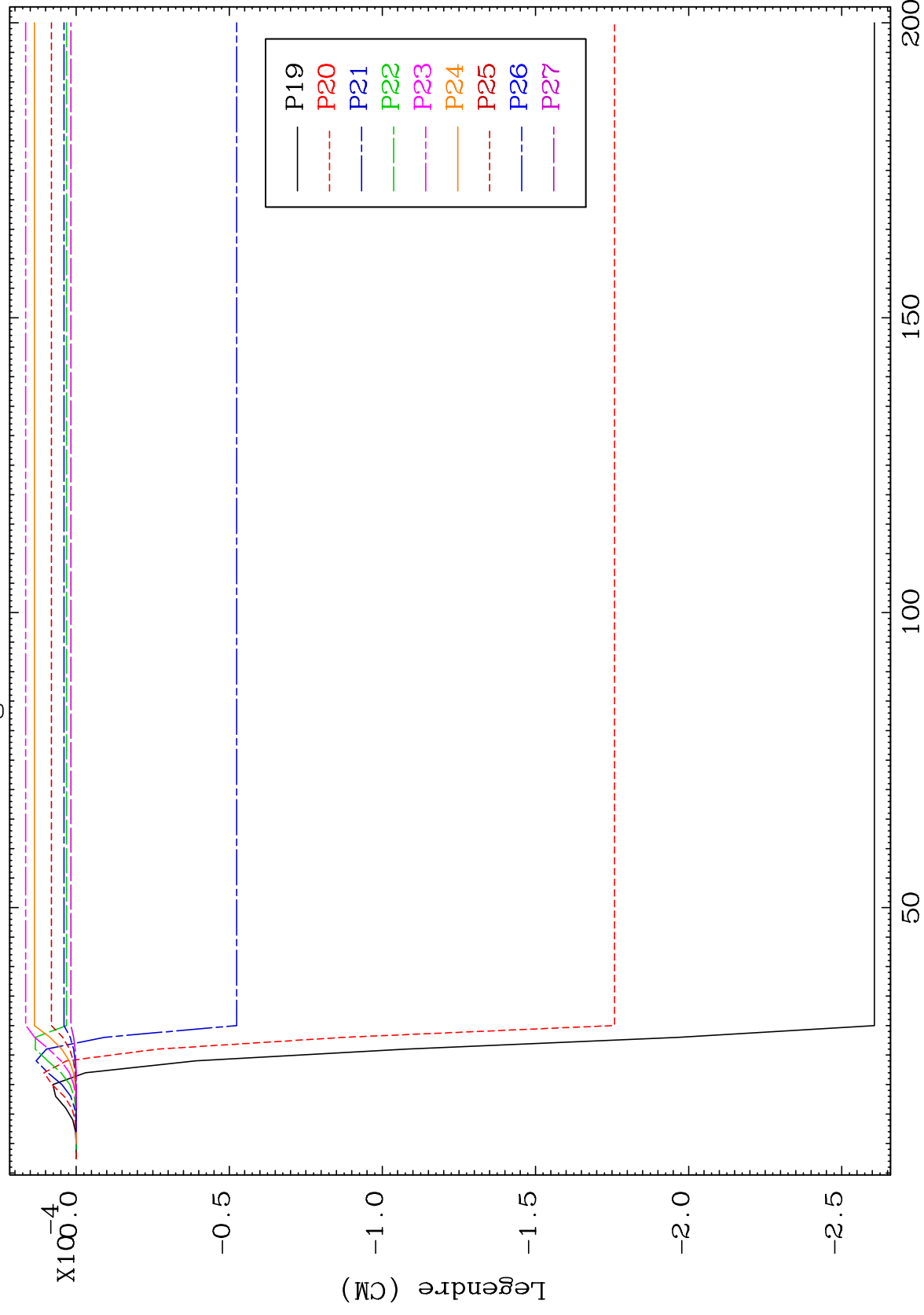
61-Pm-145



MAT 6143

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

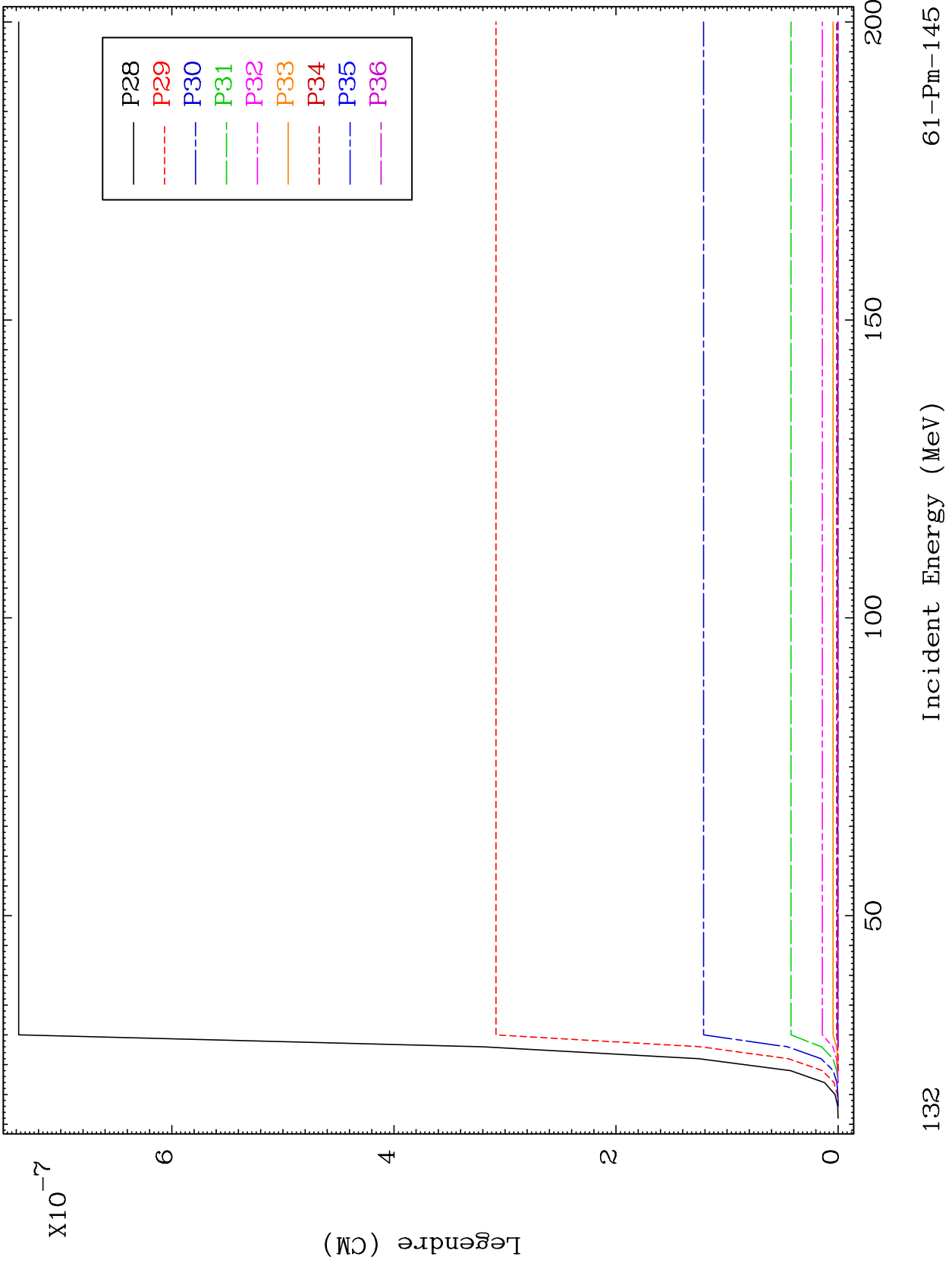
61-Pm-145



MAT 6143

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

61-Pm-145



132

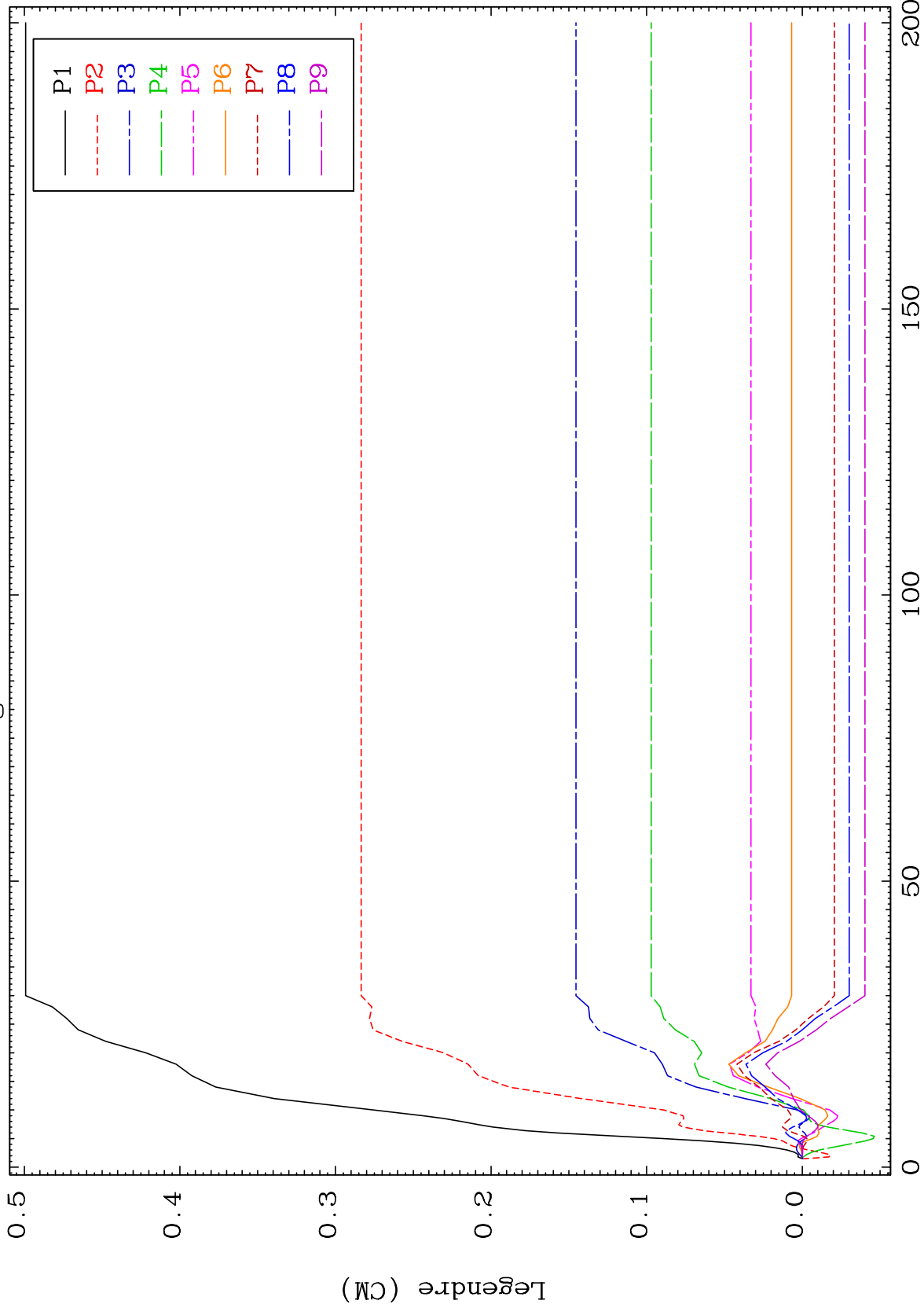
Incident Energy (MeV)

61-Pm-145

MAT 6143

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

61-Pm-145



61-Pm-145

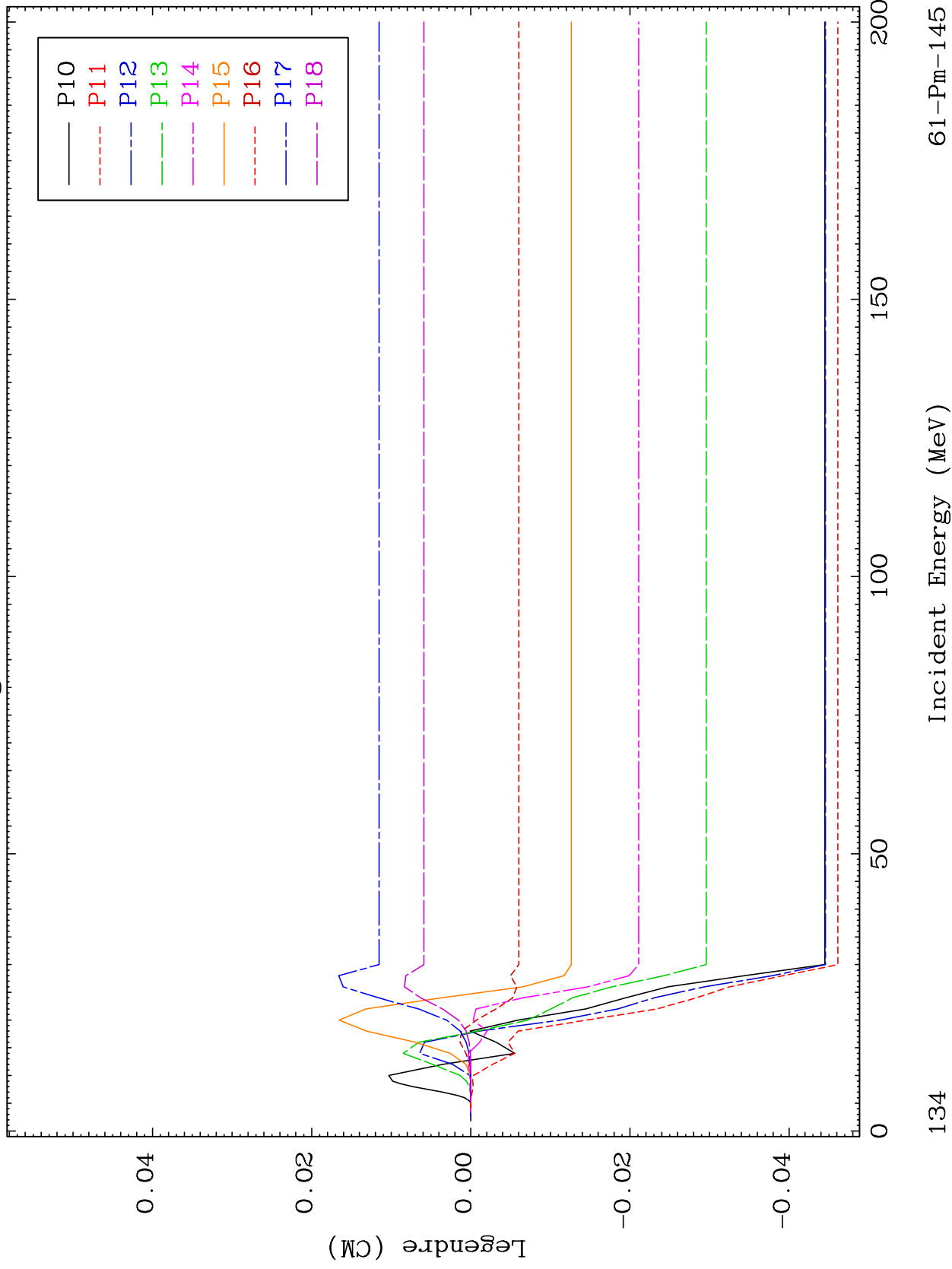
Incident Energy (MeV)

133

MAT 6143

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

61-Pm-145



134

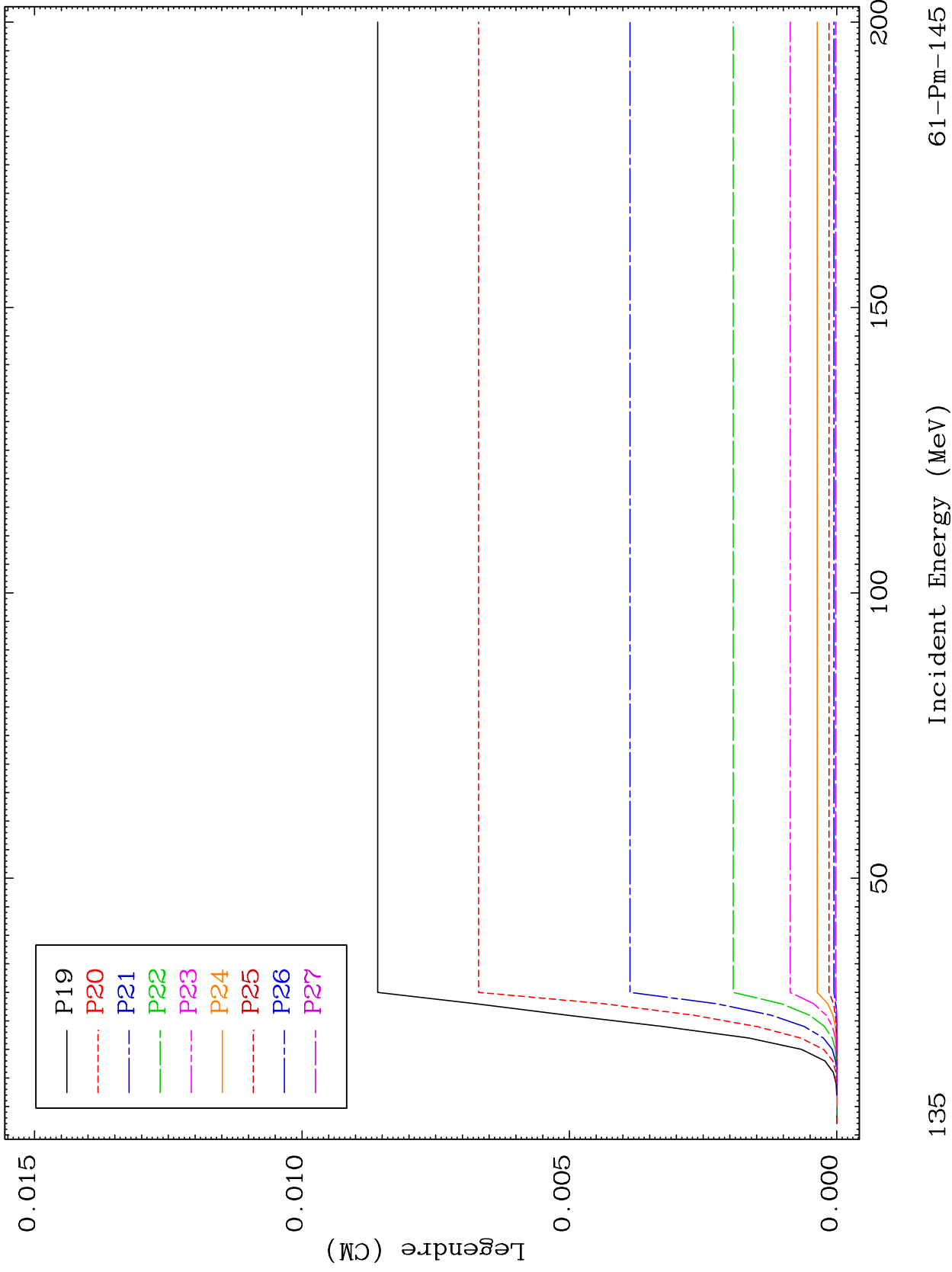
Incident Energy (MeV)

61-Pm-145

MAT 6143

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

61-Pm-145



135

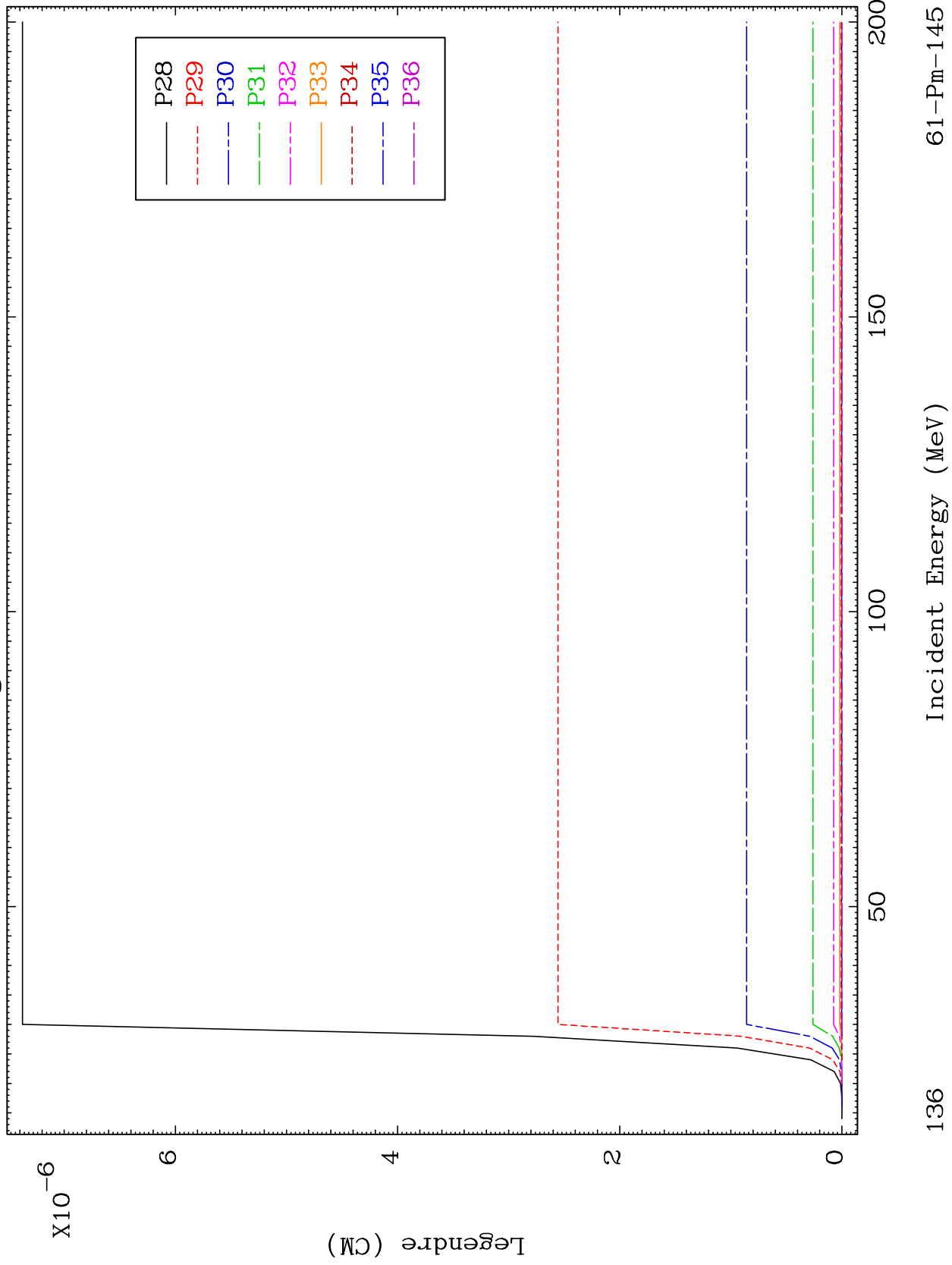
Incident Energy (MeV)

61-Pm-145

MAT 6143

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

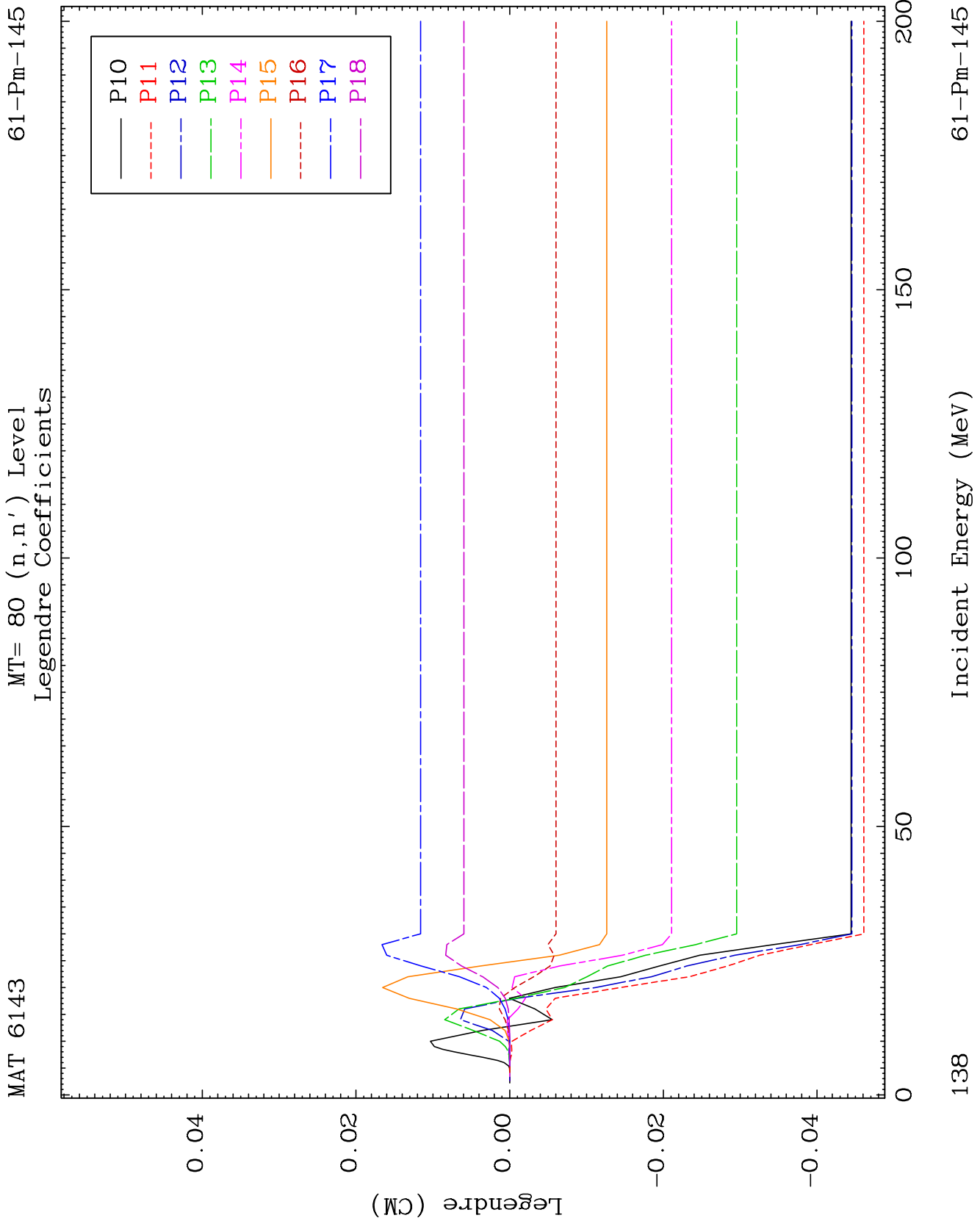
61-Pm-145



136

Incident Energy (MeV)

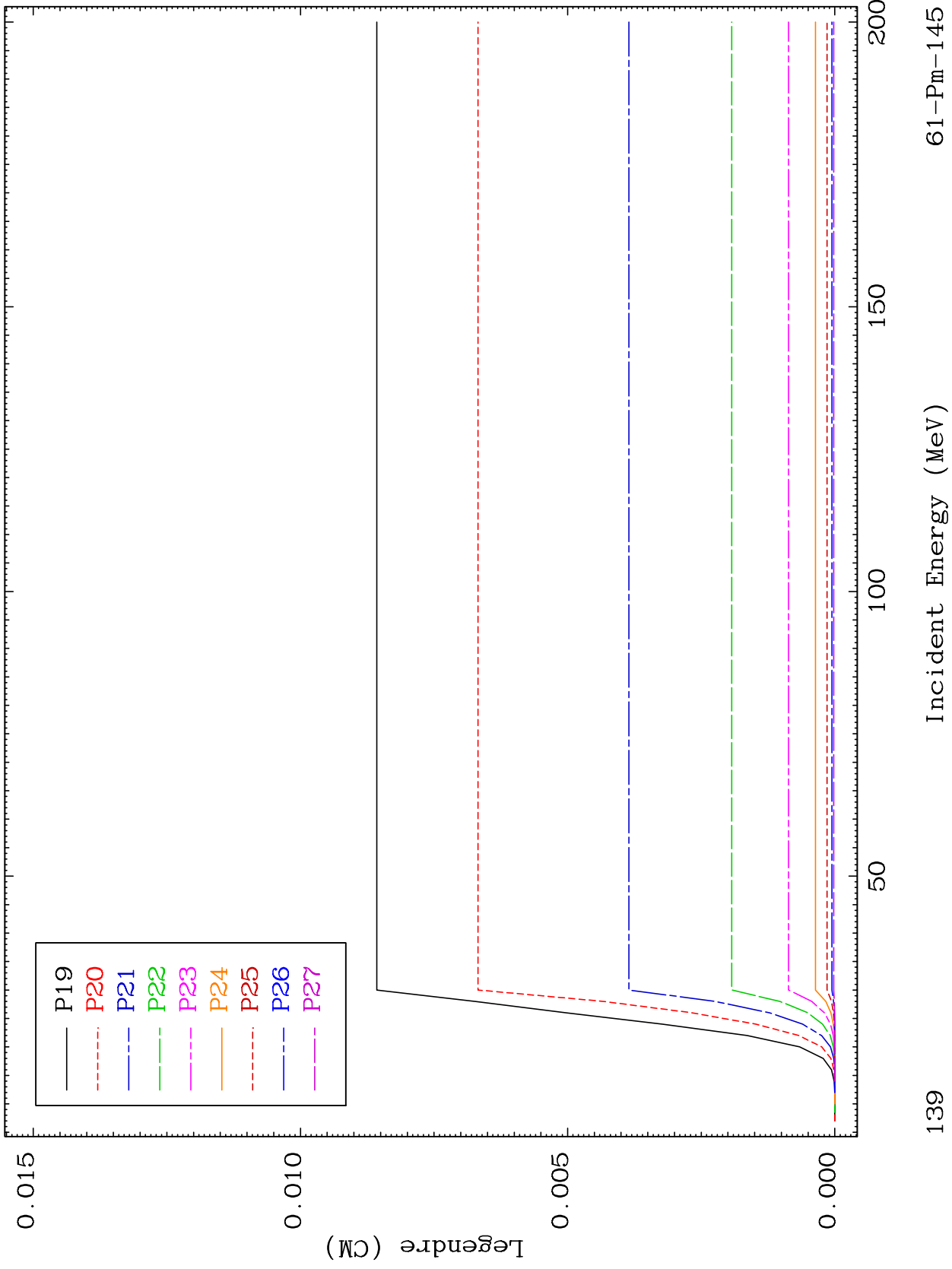
61-Pm-145



MAT 6143

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

61-Pm-145



139

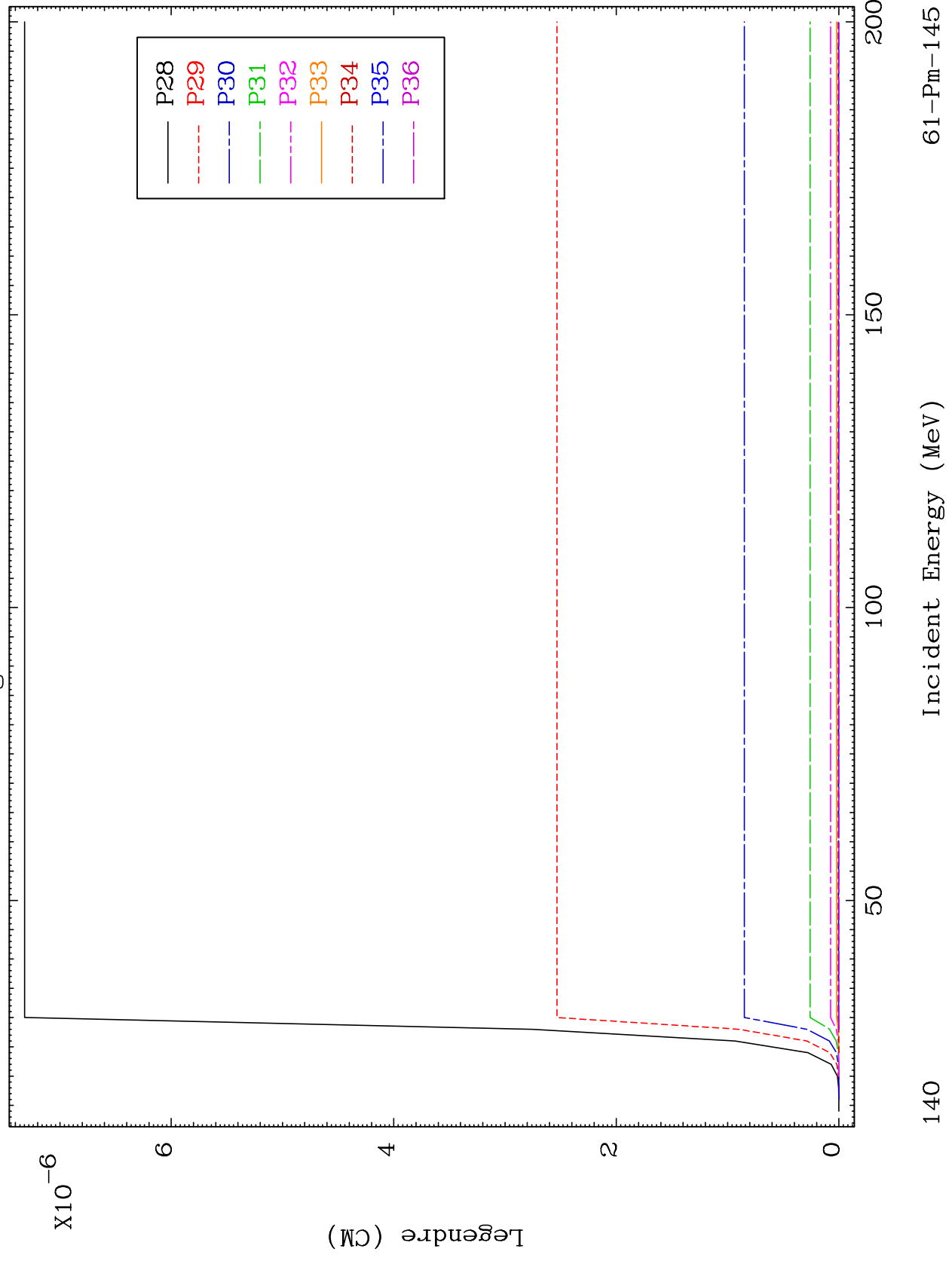
Incident Energy (MeV)

61-Pm-145

MAT 6143

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

61-Pm-145



61-Pm-145

Incident Energy (MeV)

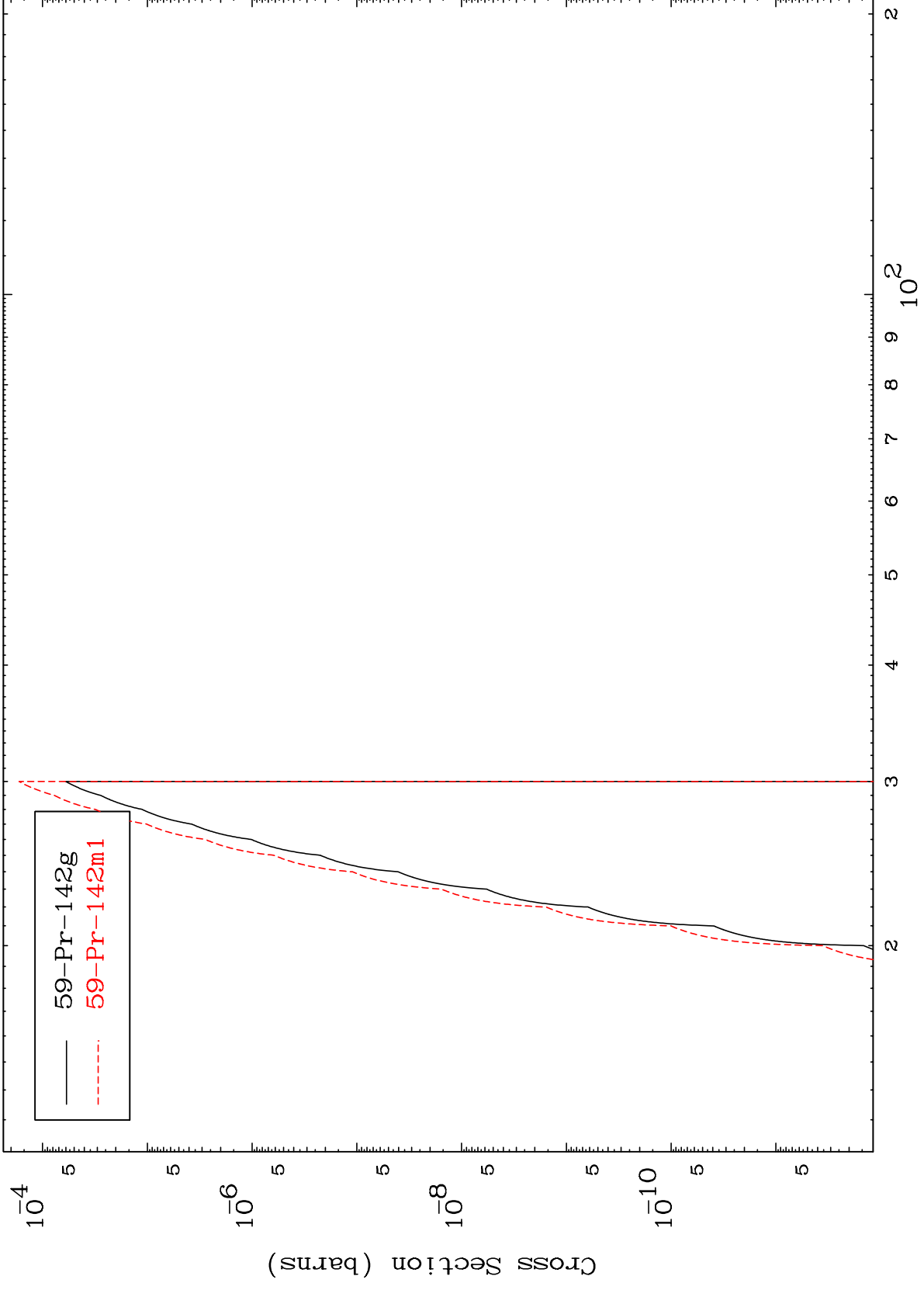
140

MAT 6143

(n,n') He-3

61-Pm-145

Radionuclide Production Cross Section



59-Pr-142g
59-Pr-142m1

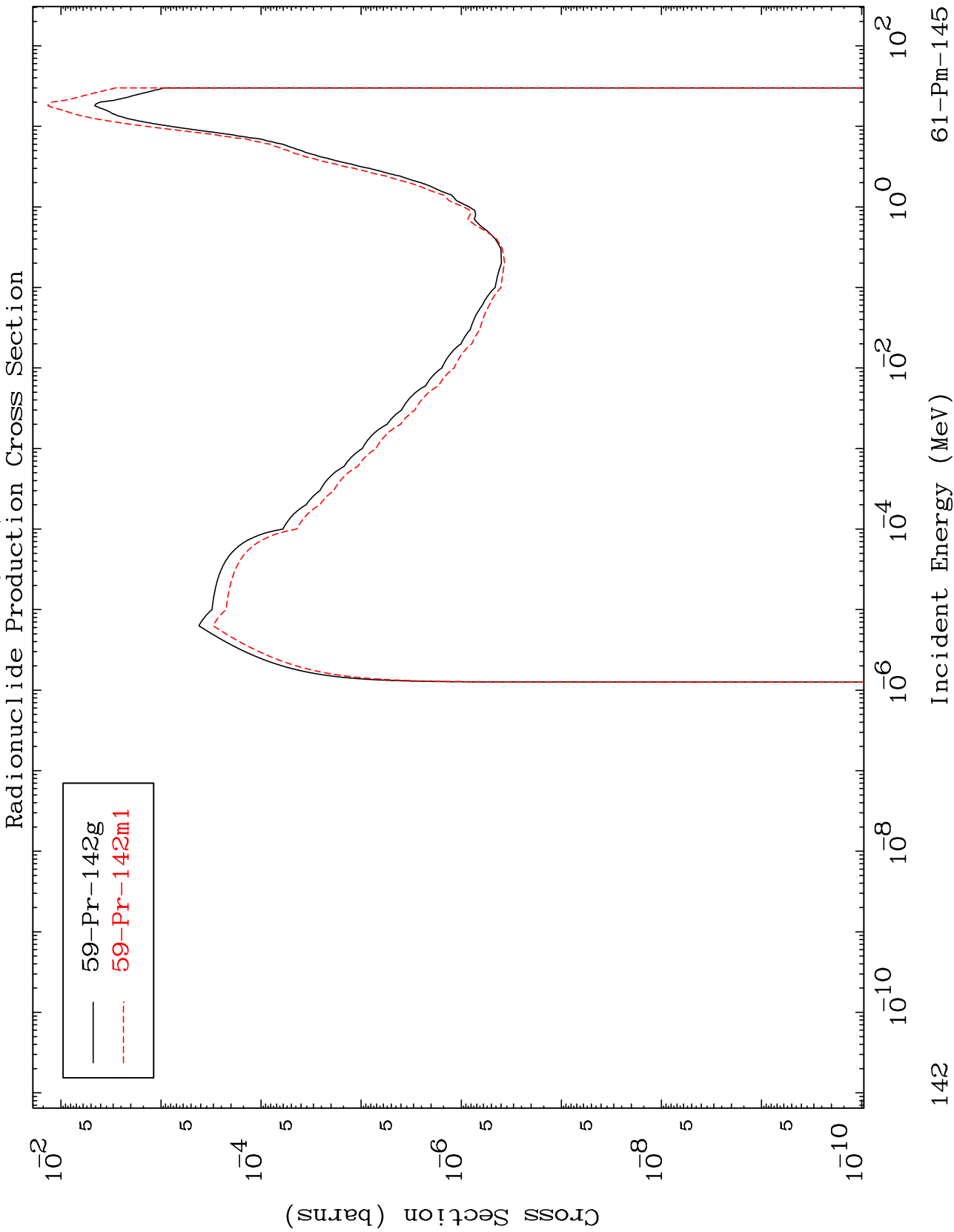
141

Incident Energy (MeV)

61-Pm-145

MAT 6143

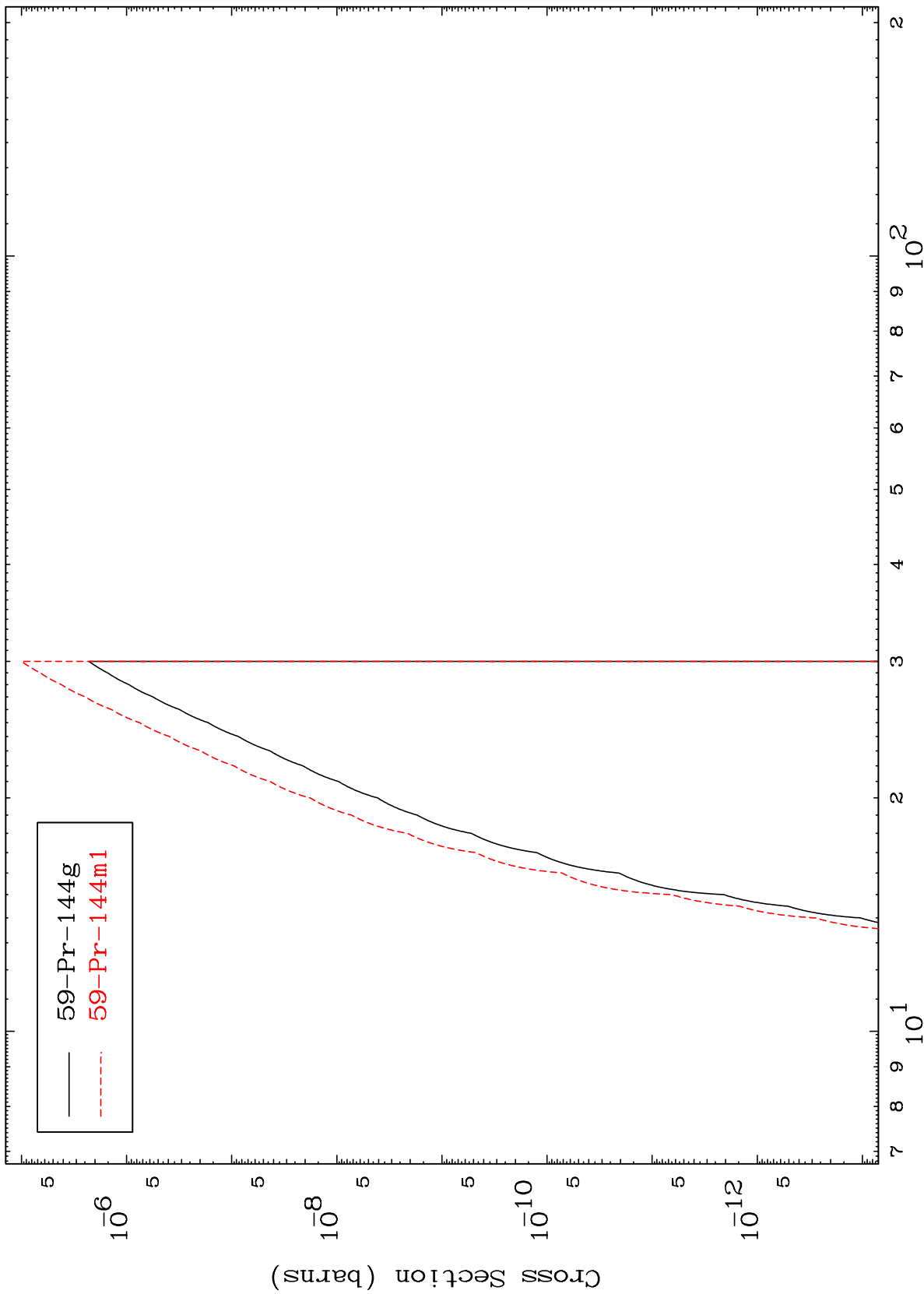
61-Pm-145



MAT 6143

61-Pm-145

(n,2p)
Radionuclide Production Cross Section



— 59-Pr-144g
- - - 59-Pr-144m1

143

Incident Energy (MeV)

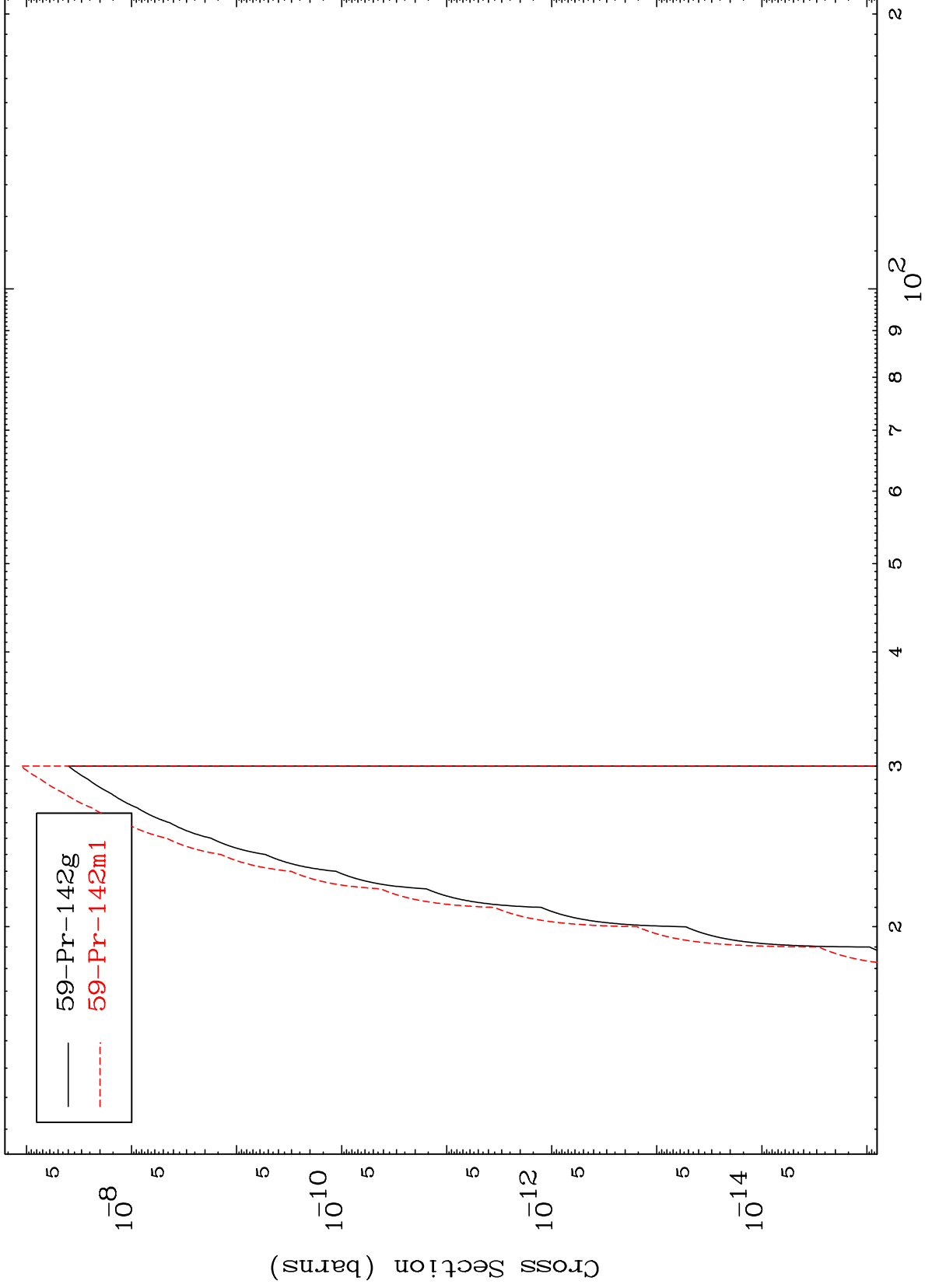
61-Pm-145

MAT 6143

(n,p) t

61-Pm-145

Radionuclide Production Cross Section



144

Incident Energy (MeV)

61-Pm-145