

Program EVALPLOT  
(Version 2021-1)

by

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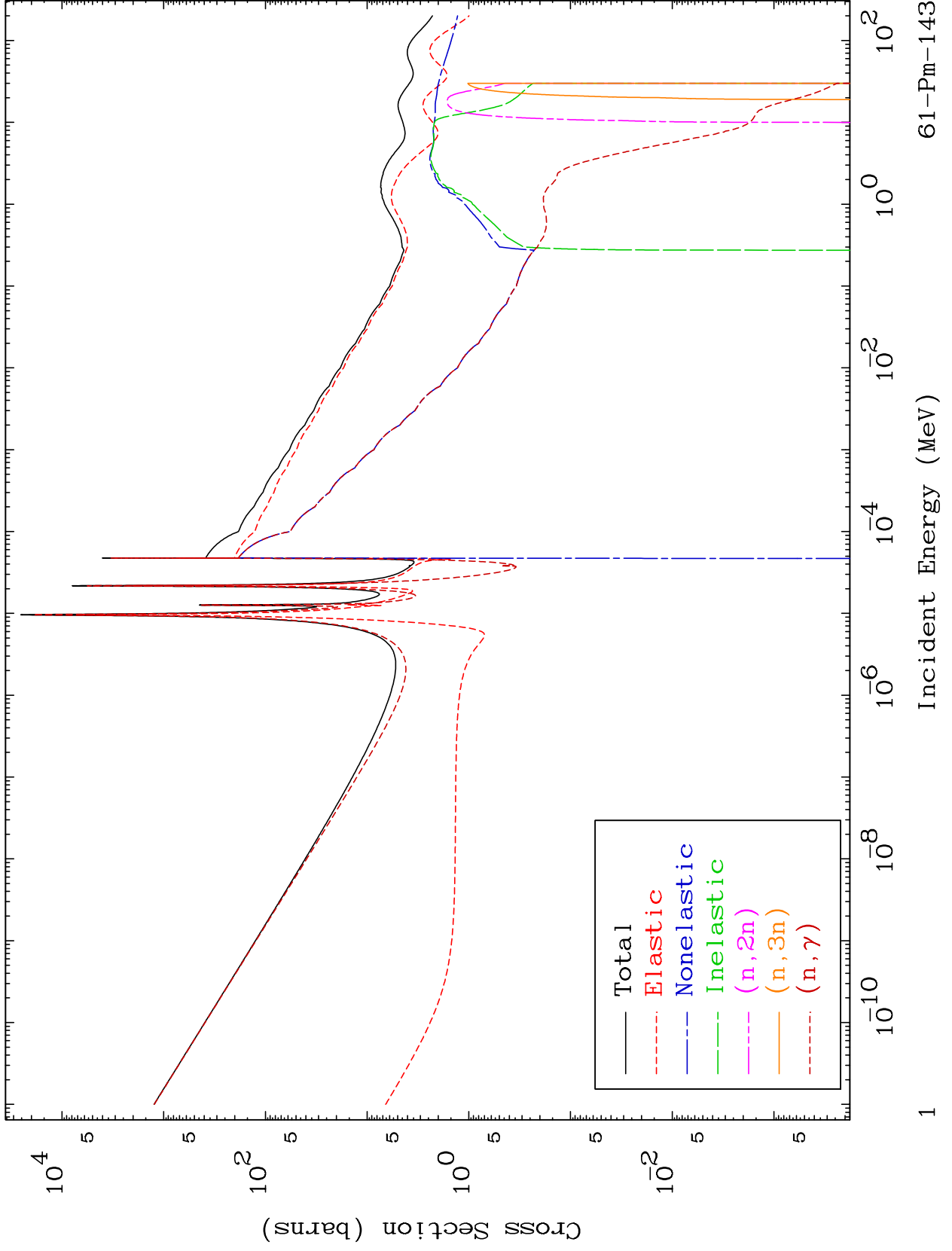
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 6137

Neutron Major  
293 Kelvin Cross Sections

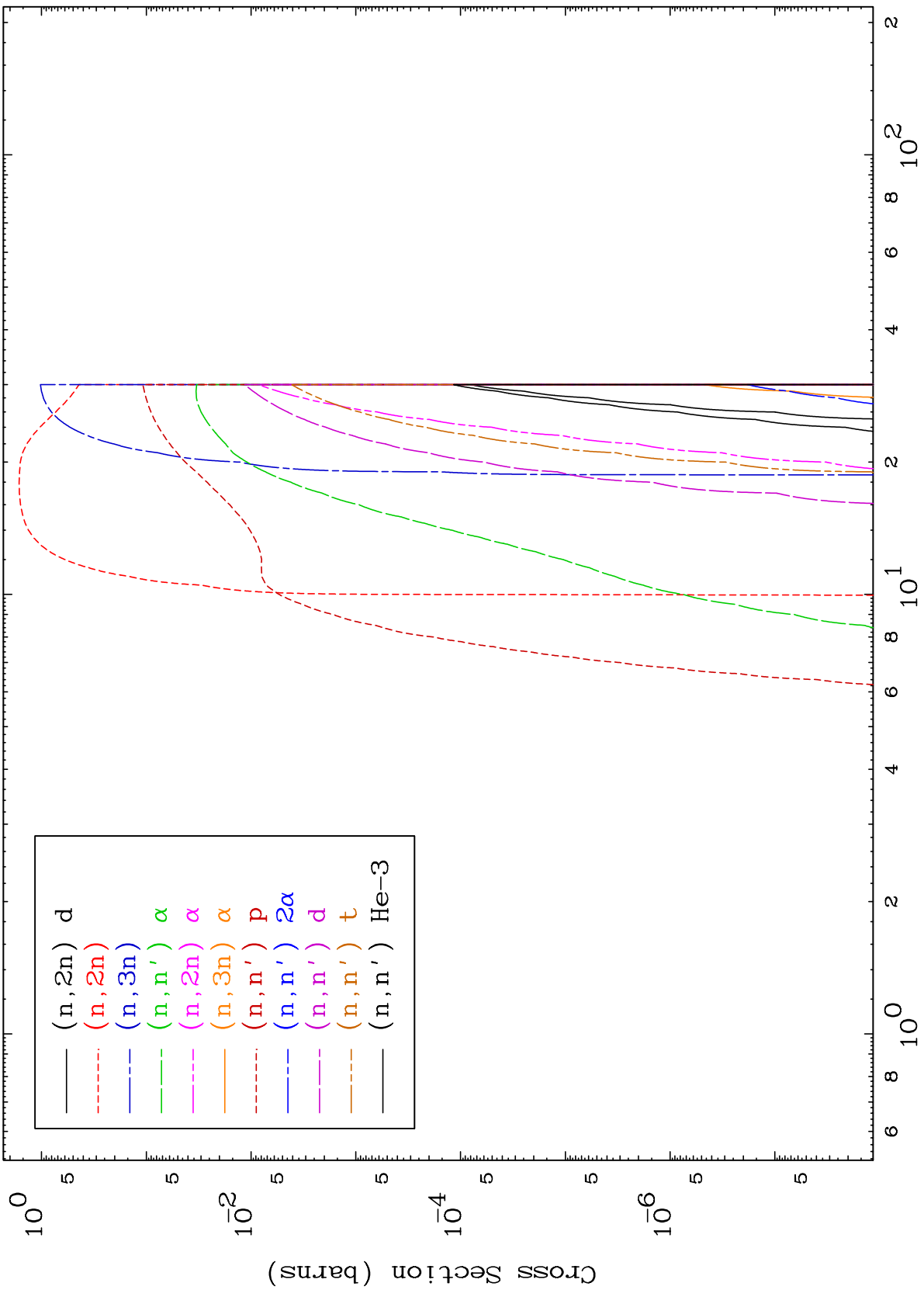
61-Pm-143

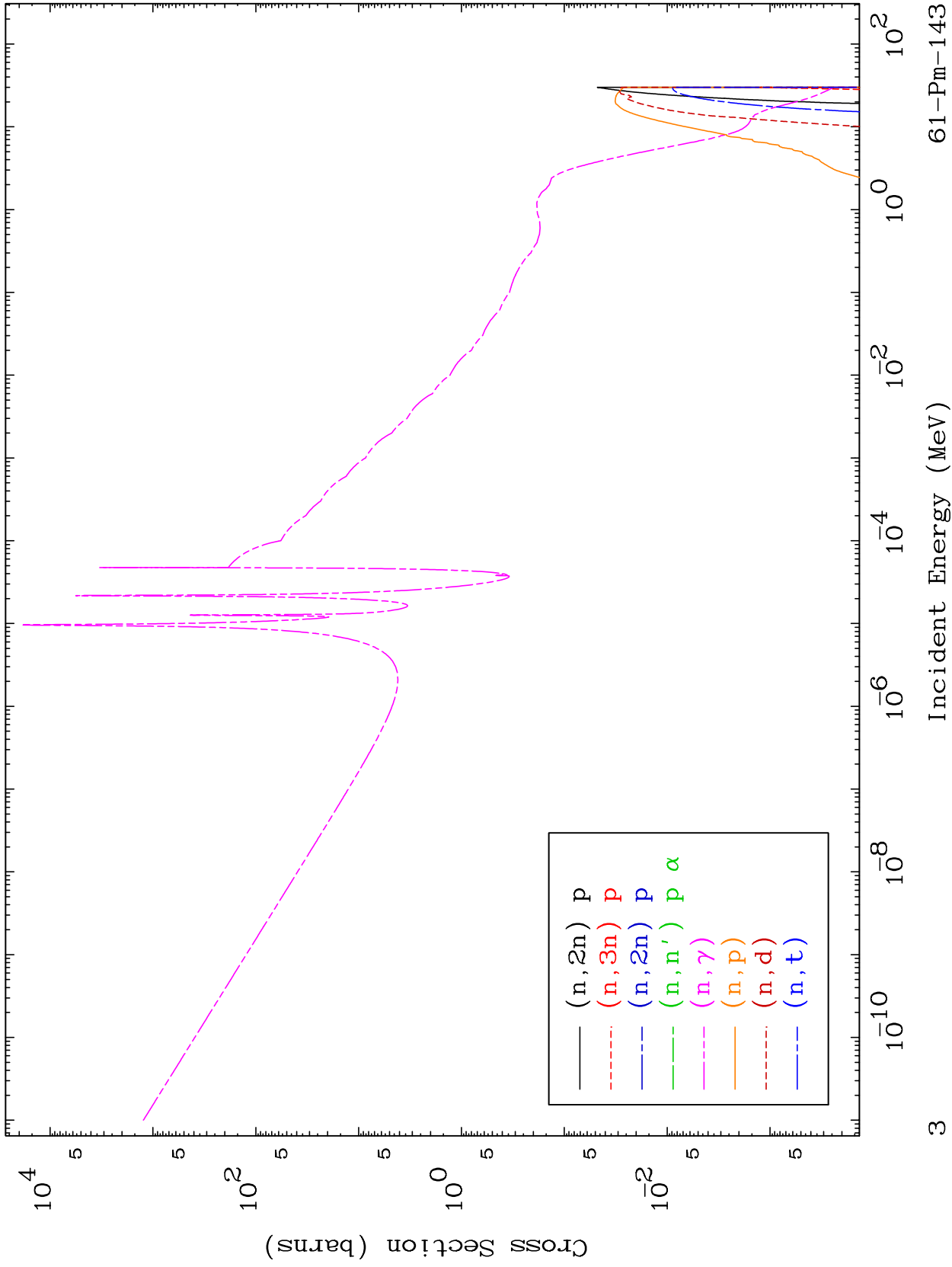


MAT 6137

Neutron Absorption  
293 Kelvin Cross Sections

61-Pm-143

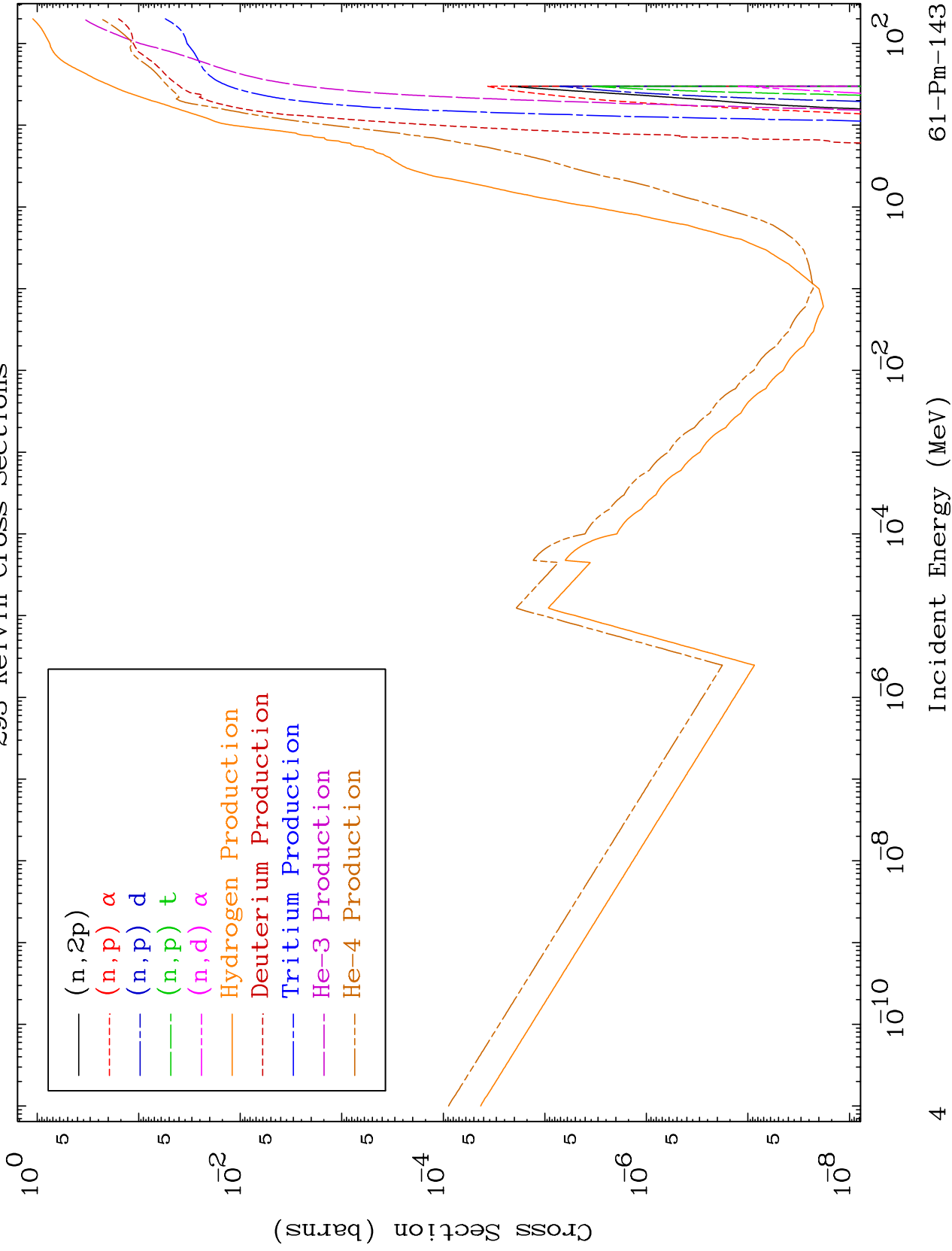




MAT 6137

Neutron Absorption  
293 Kelvin Cross Sections

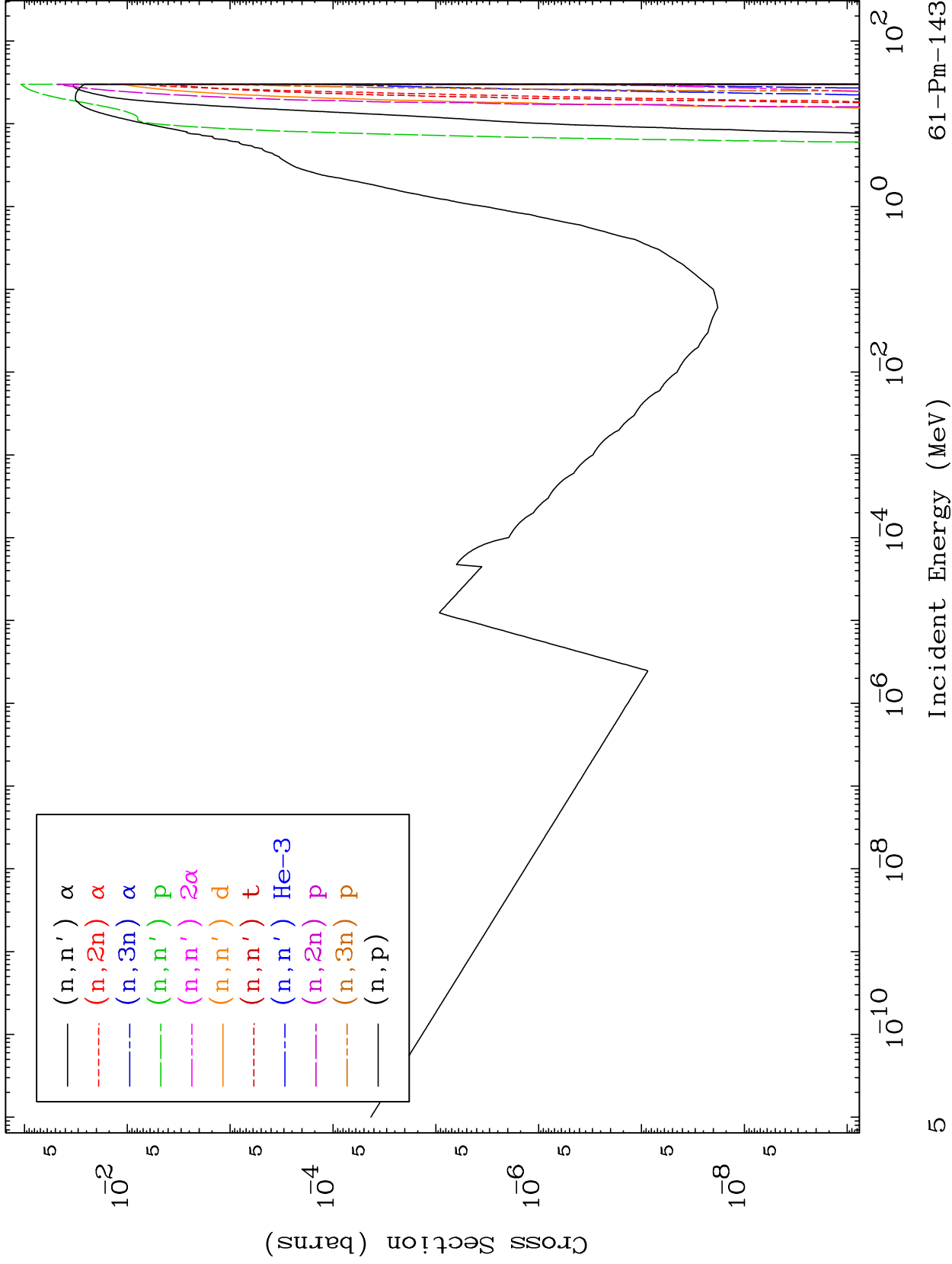
61-Pm-143



MAT 6137

Charged Particle  
293 Kelvin Cross Sections

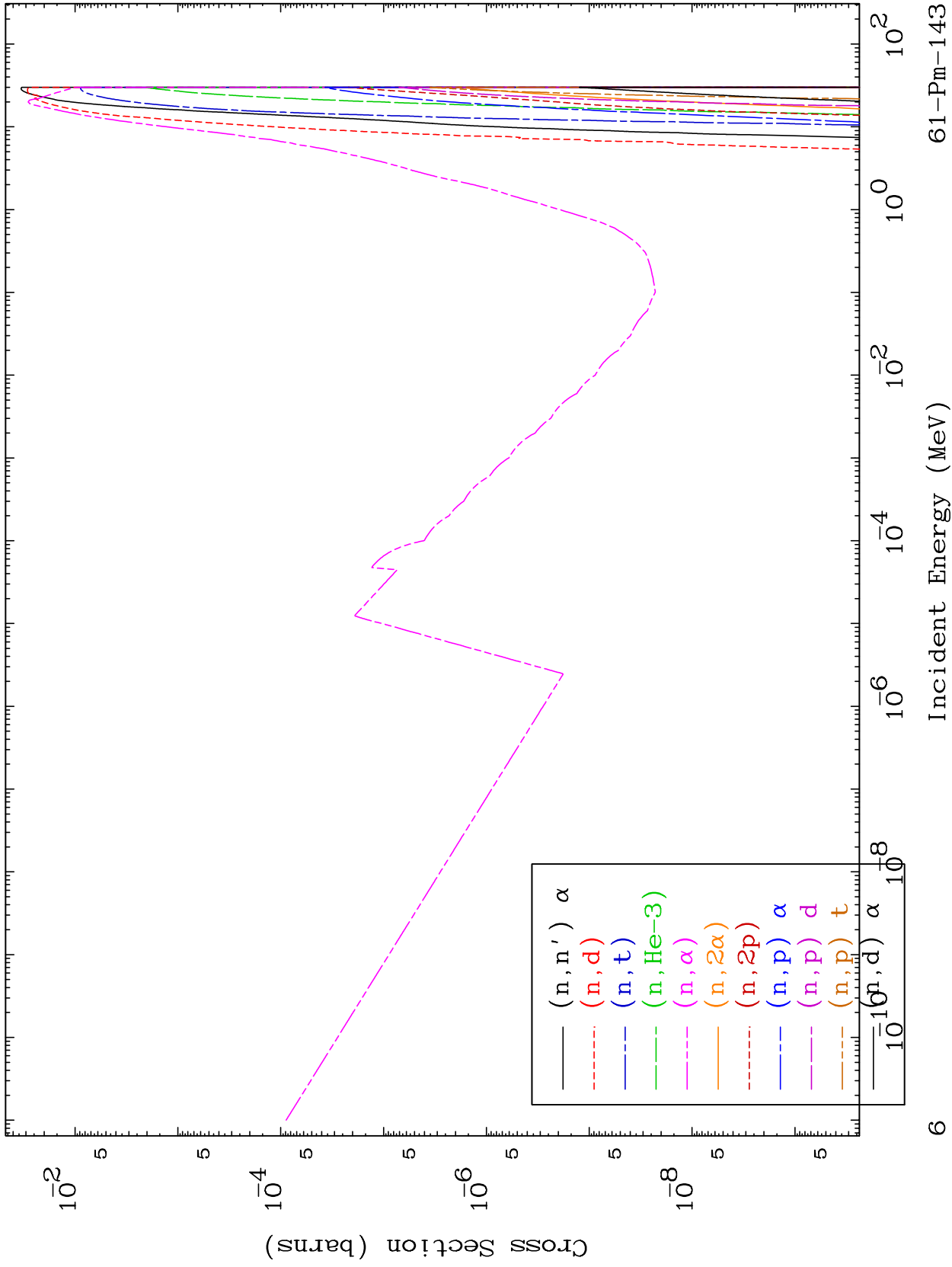
61-Pm-143



MAT 6137

Charged Particle  
293 Kelvin Cross Sections

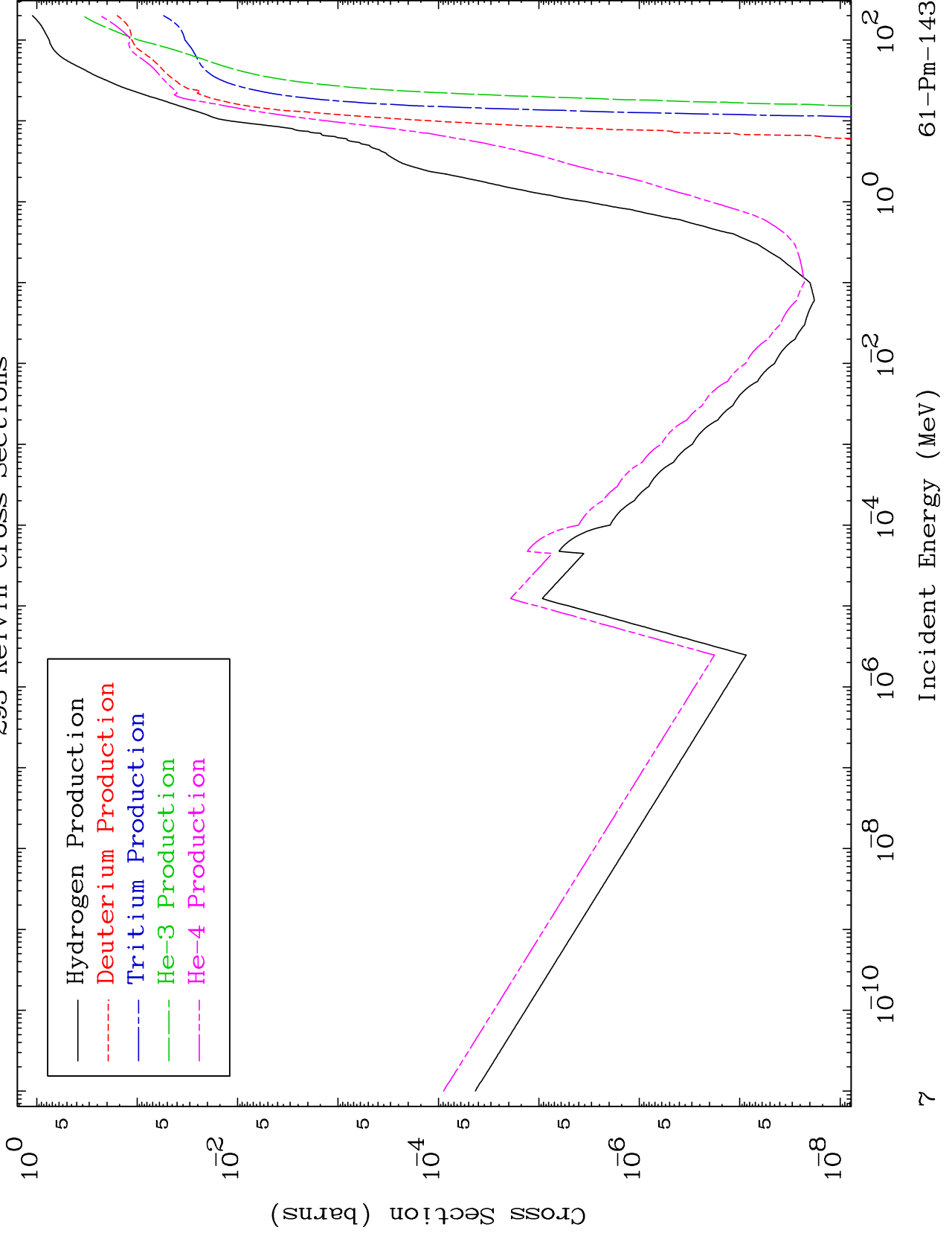
61-Pm-143



MAT 6137

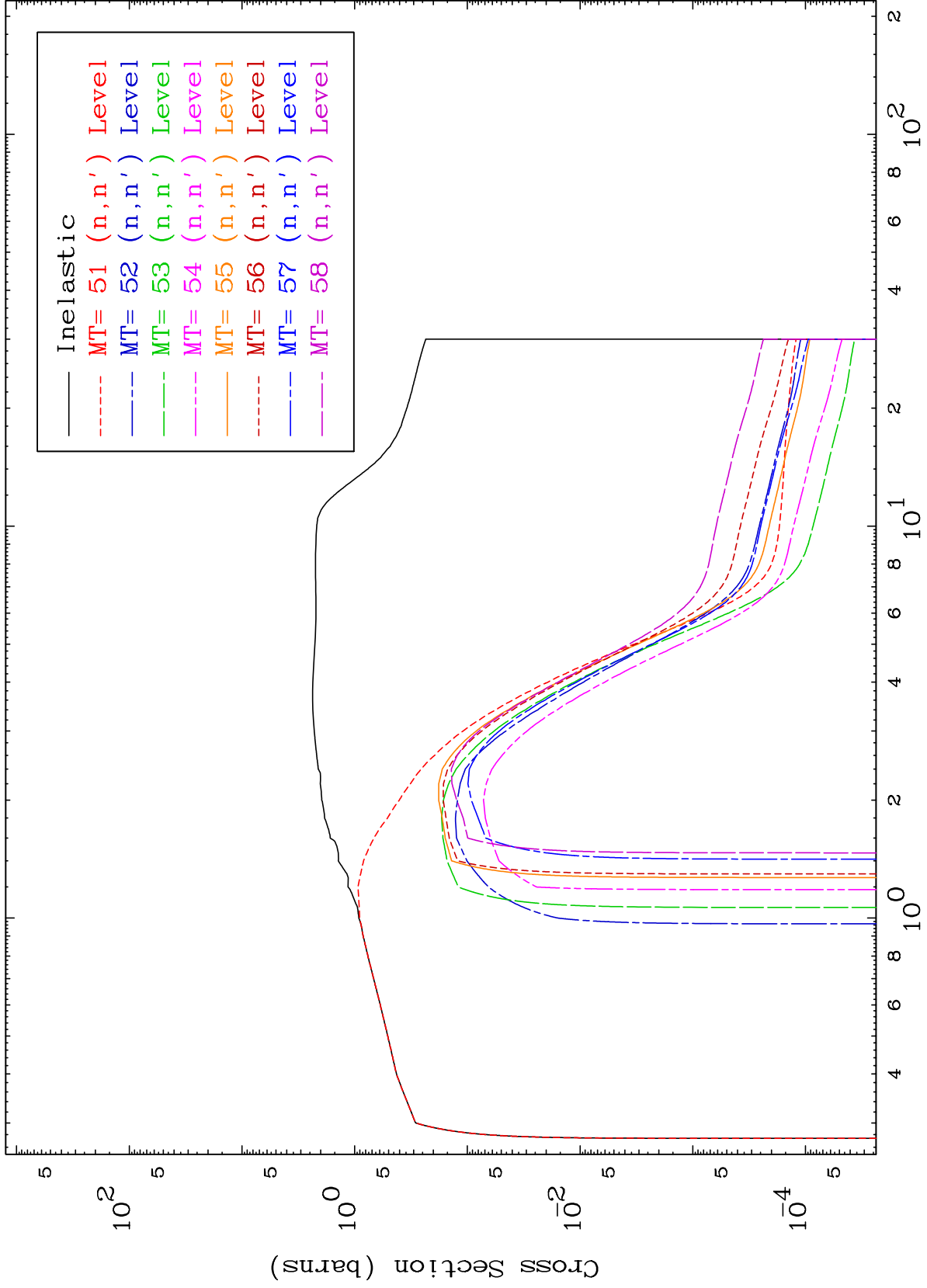
Particle Production  
293 Kelvin Cross Sections

61-Pm-143

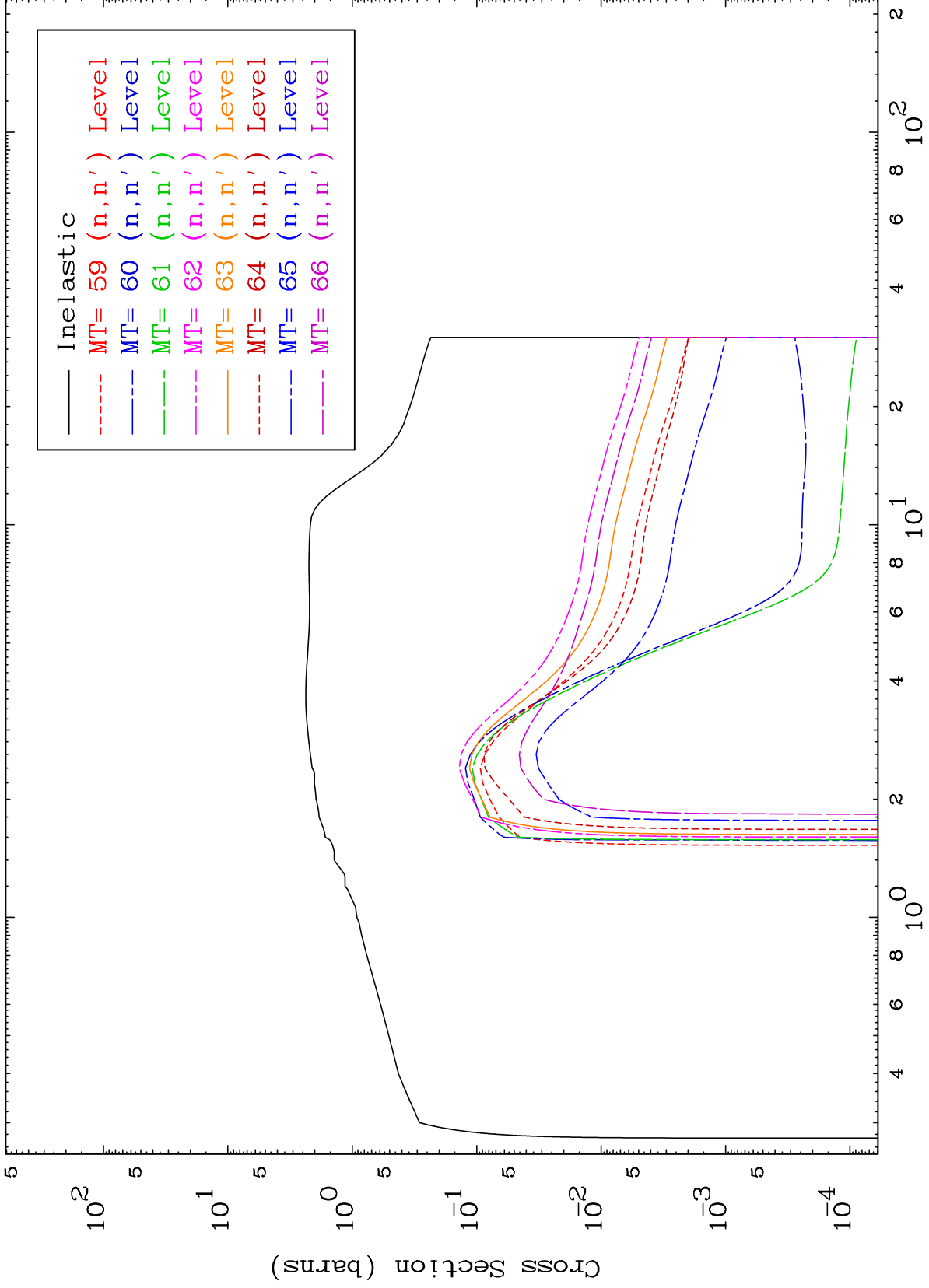




293 Kelvin Cross Sections



293 Kelvin Cross Sections

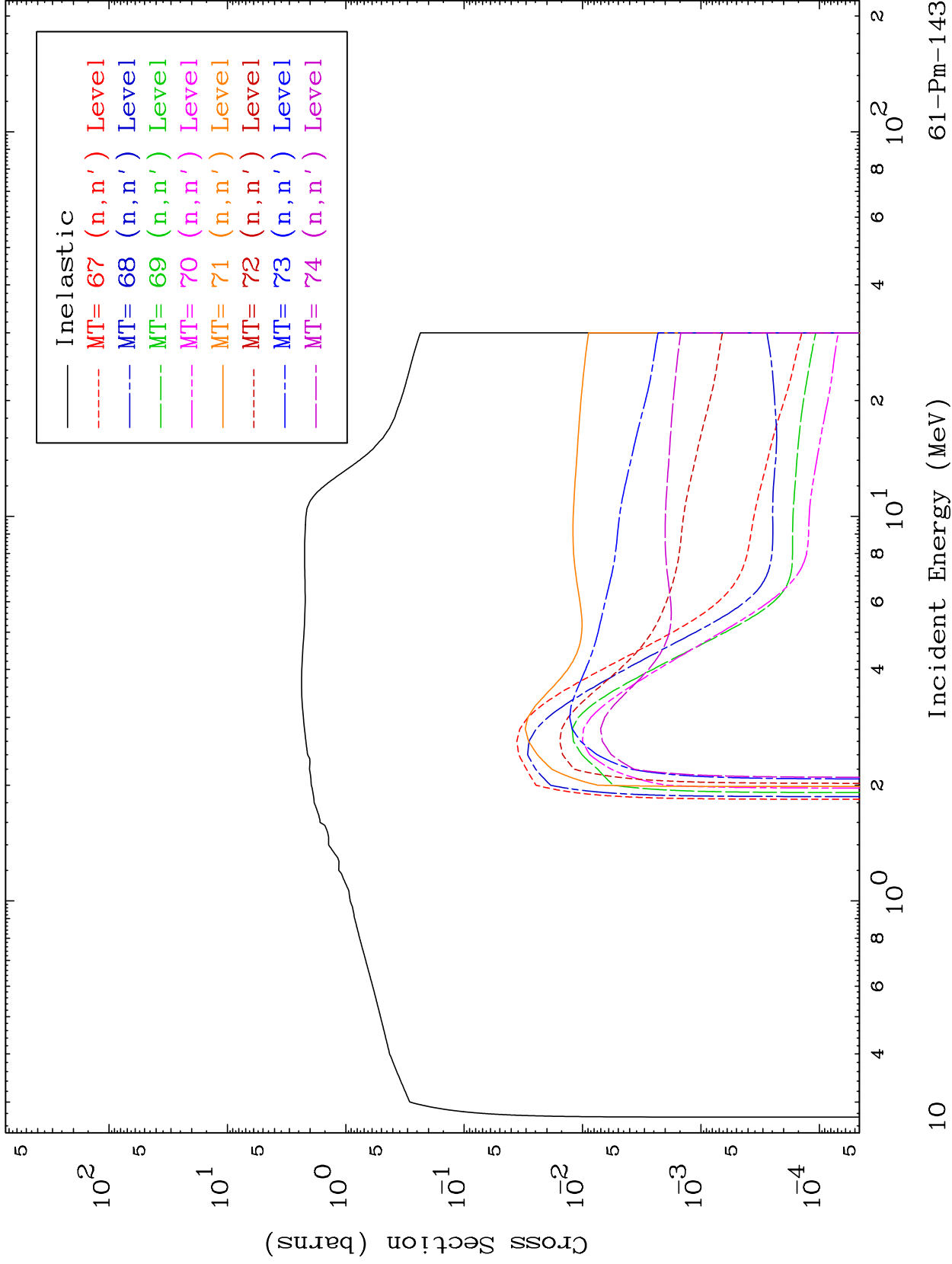


MAT 6137

(n,n') Levels

61-Pm-143

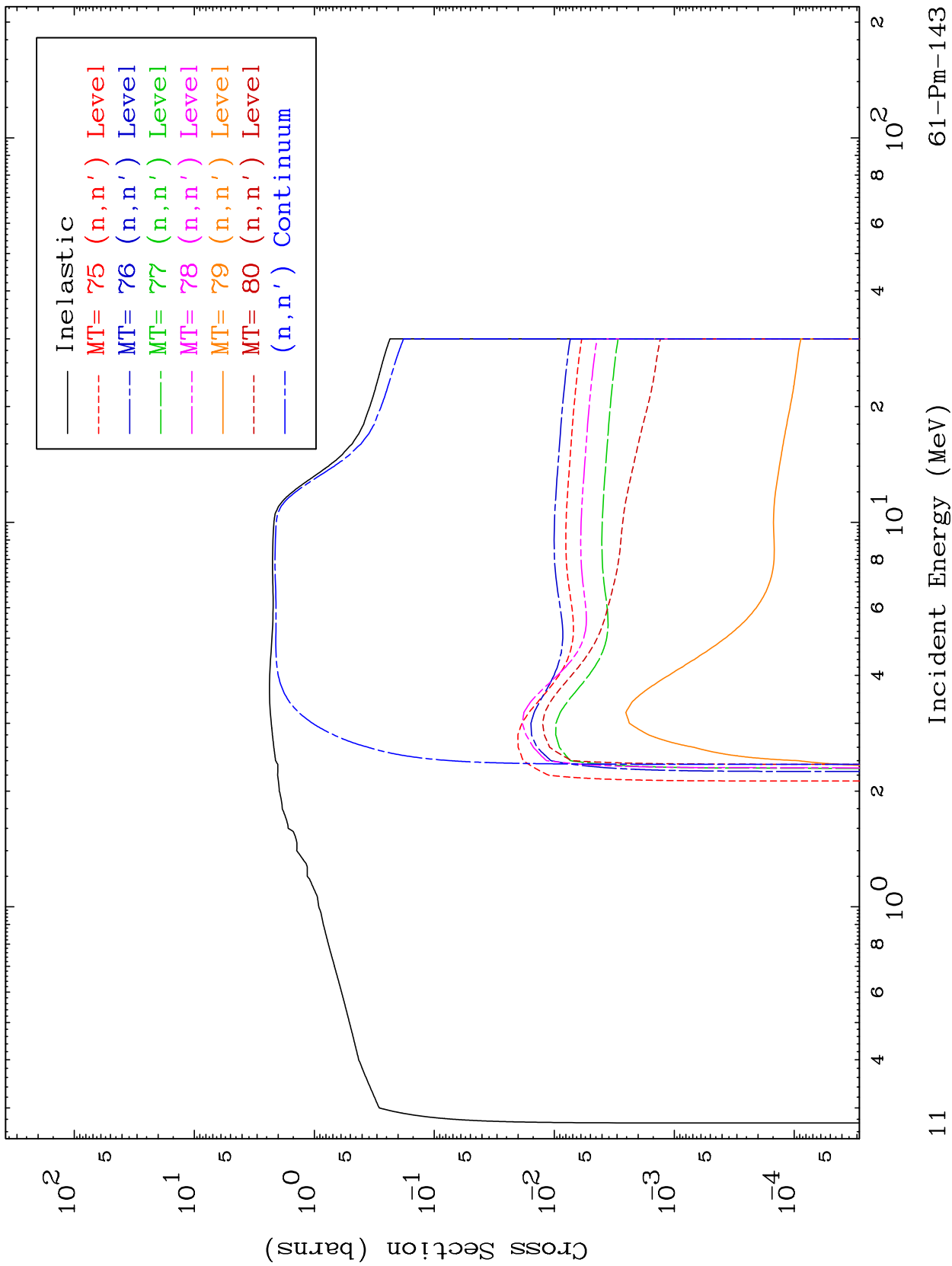
293 Kelvin Cross Sections



10

Incident Energy (MeV)

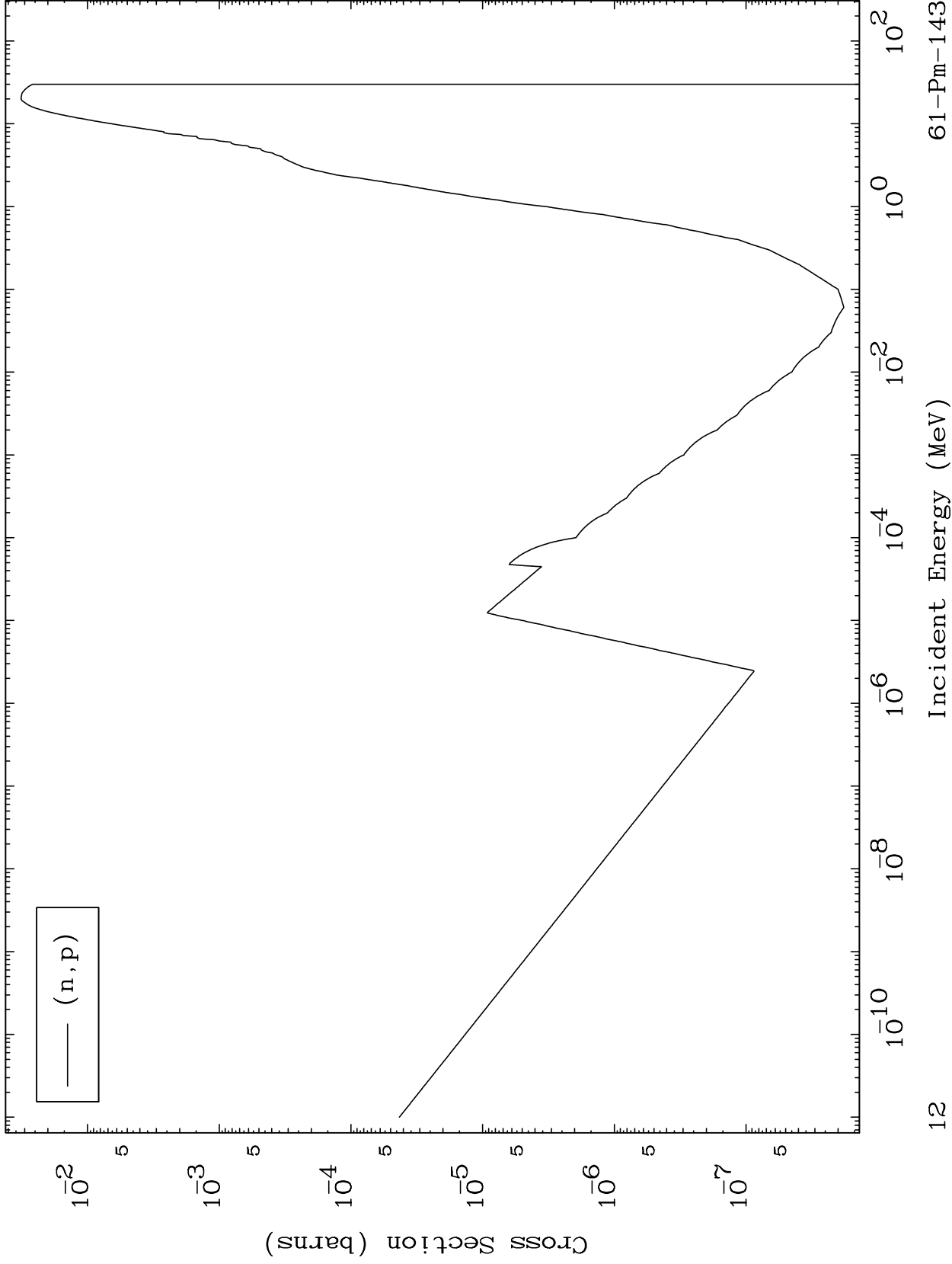
61-Pm-143



MAT 6137

(n,p) Levels  
293 Kelvin Cross Sections

61-Pm-143



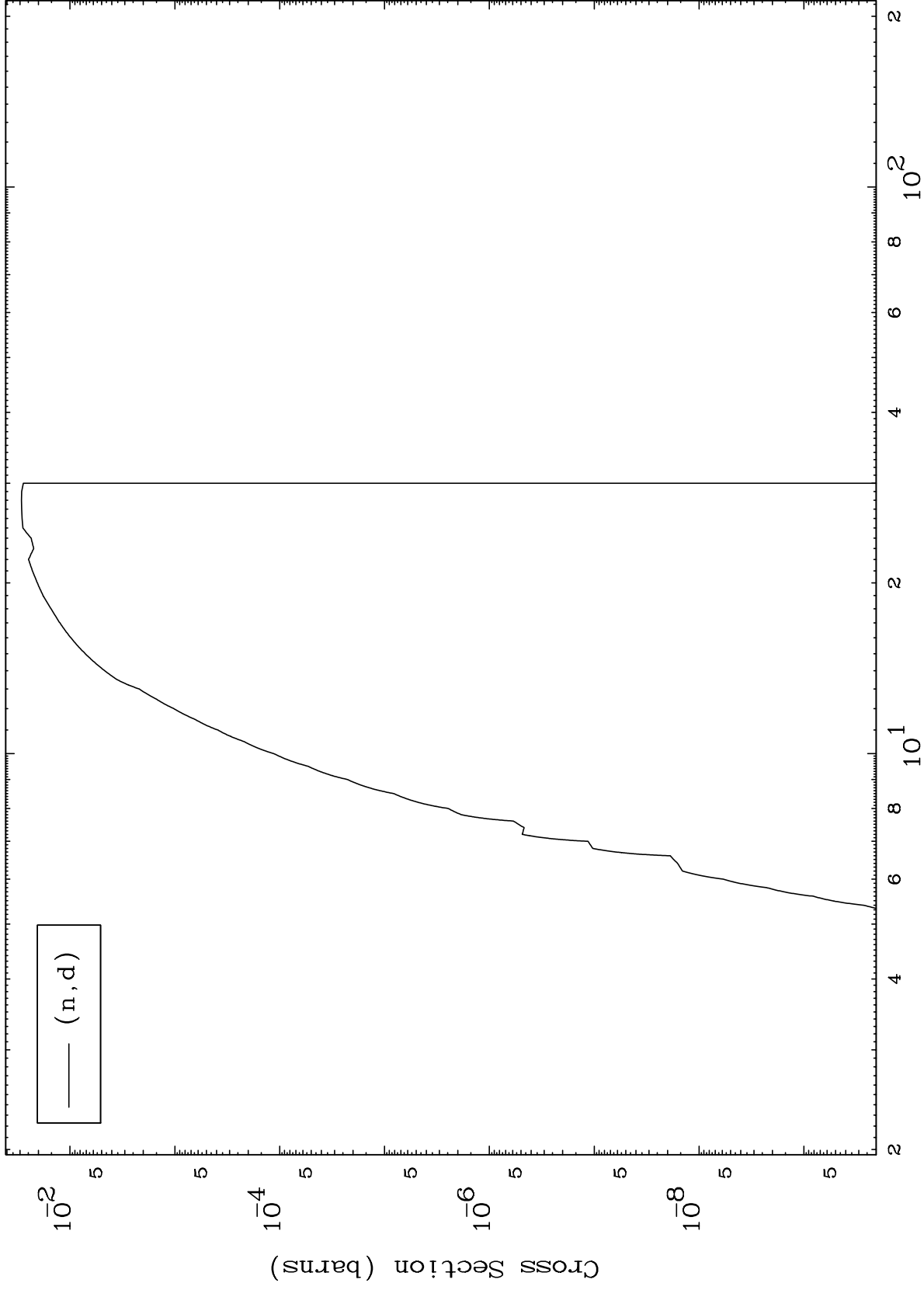
12

61-Pm-143

MAT 6137

(n,d) Levels  
293 Kelvin Cross Sections

61-Pm-143



13

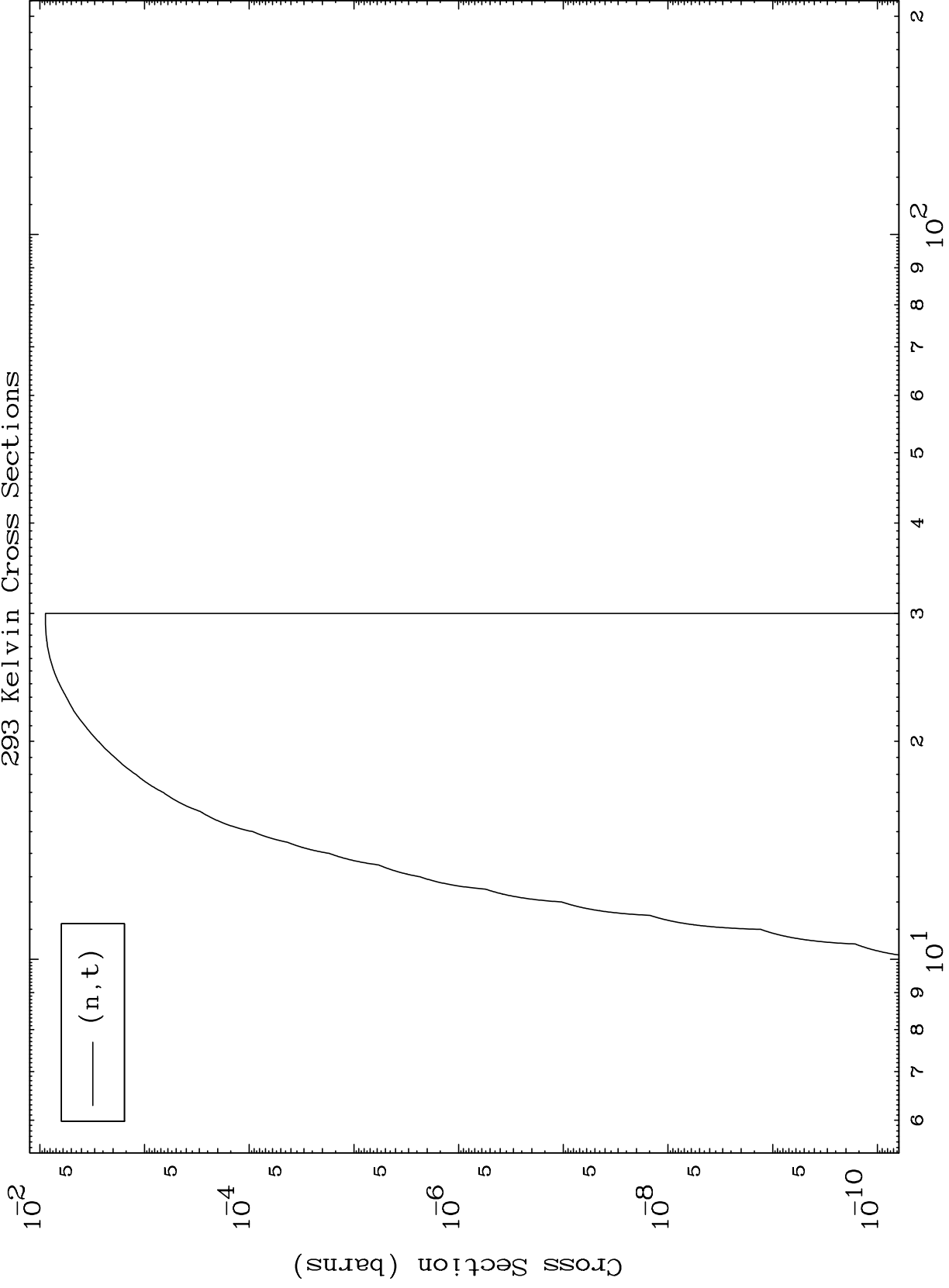
Incident Energy (MeV)

61-Pm-143

MAT 6137

(n, t) Levels  
293 Kelvin Cross Sections

61-Pm-143



14

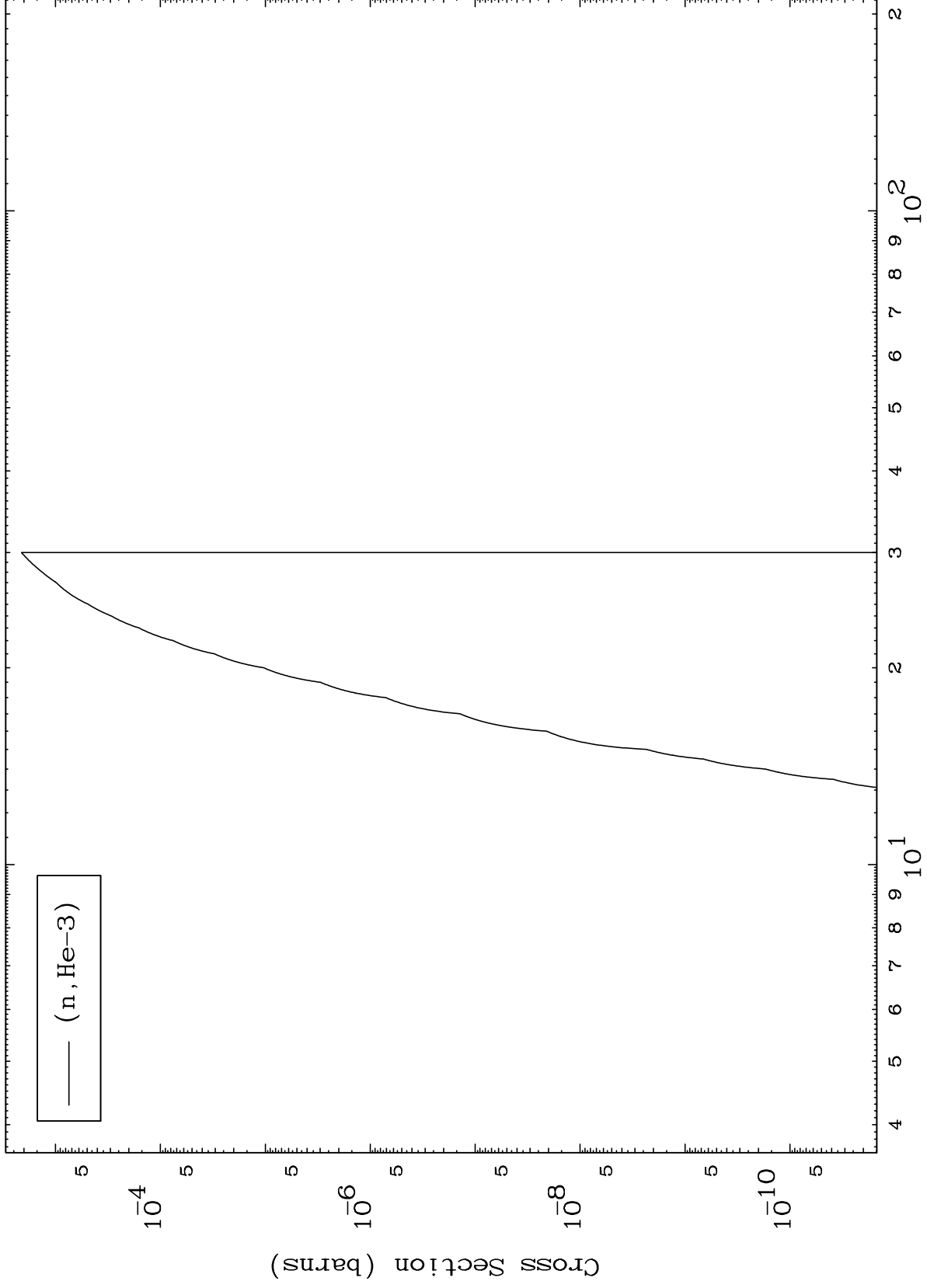
Incident Energy (MeV)

61-Pm-143

MAT 6137

(n,He3) Levels  
293 Kelvin Cross Sections

61-Pm-143



15

Incident Energy (MeV)

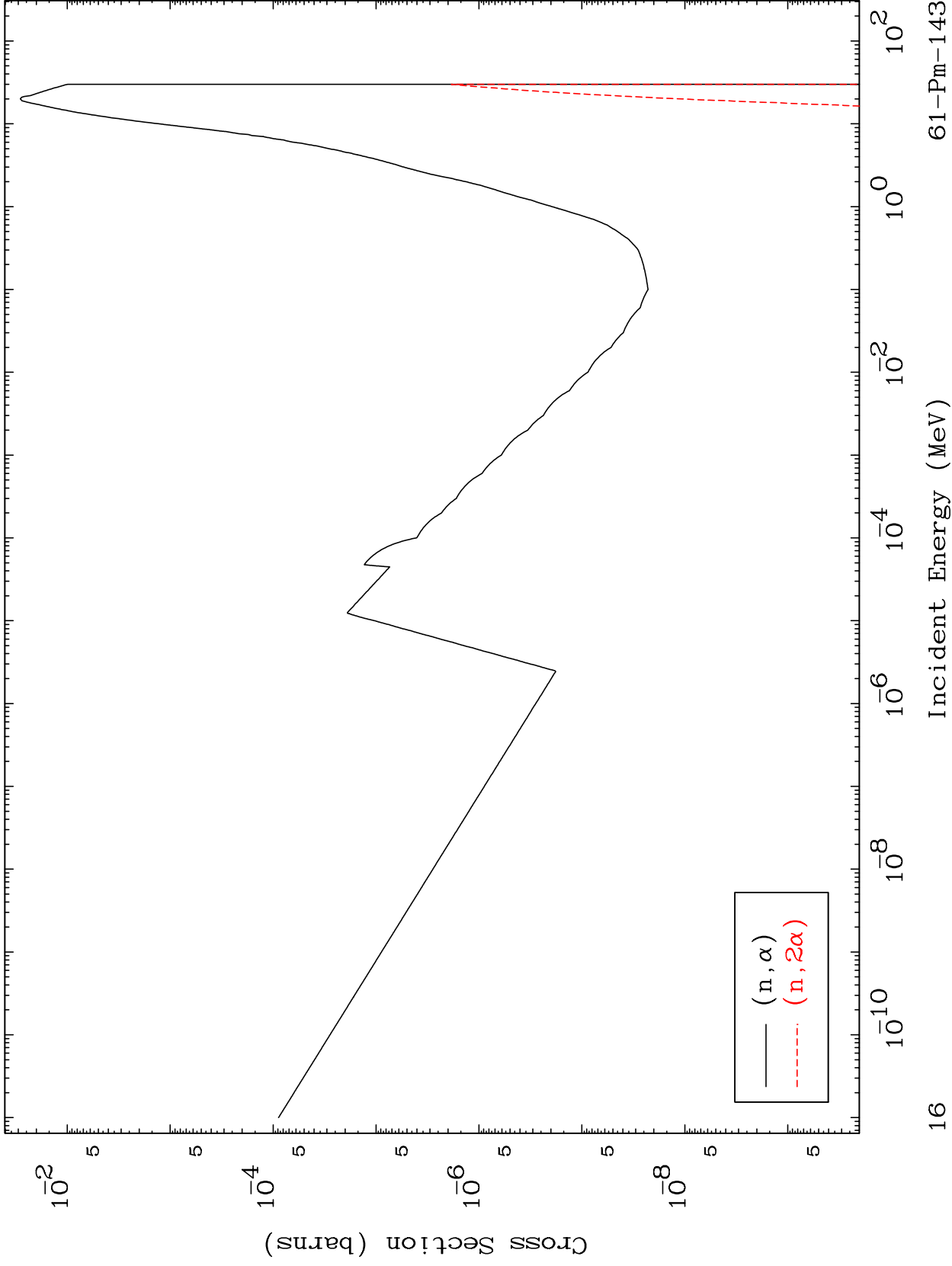
61-Pm-143



MAT 6137

293 Kelvin Cross Sections  
(n,  $\alpha$ ) Levels

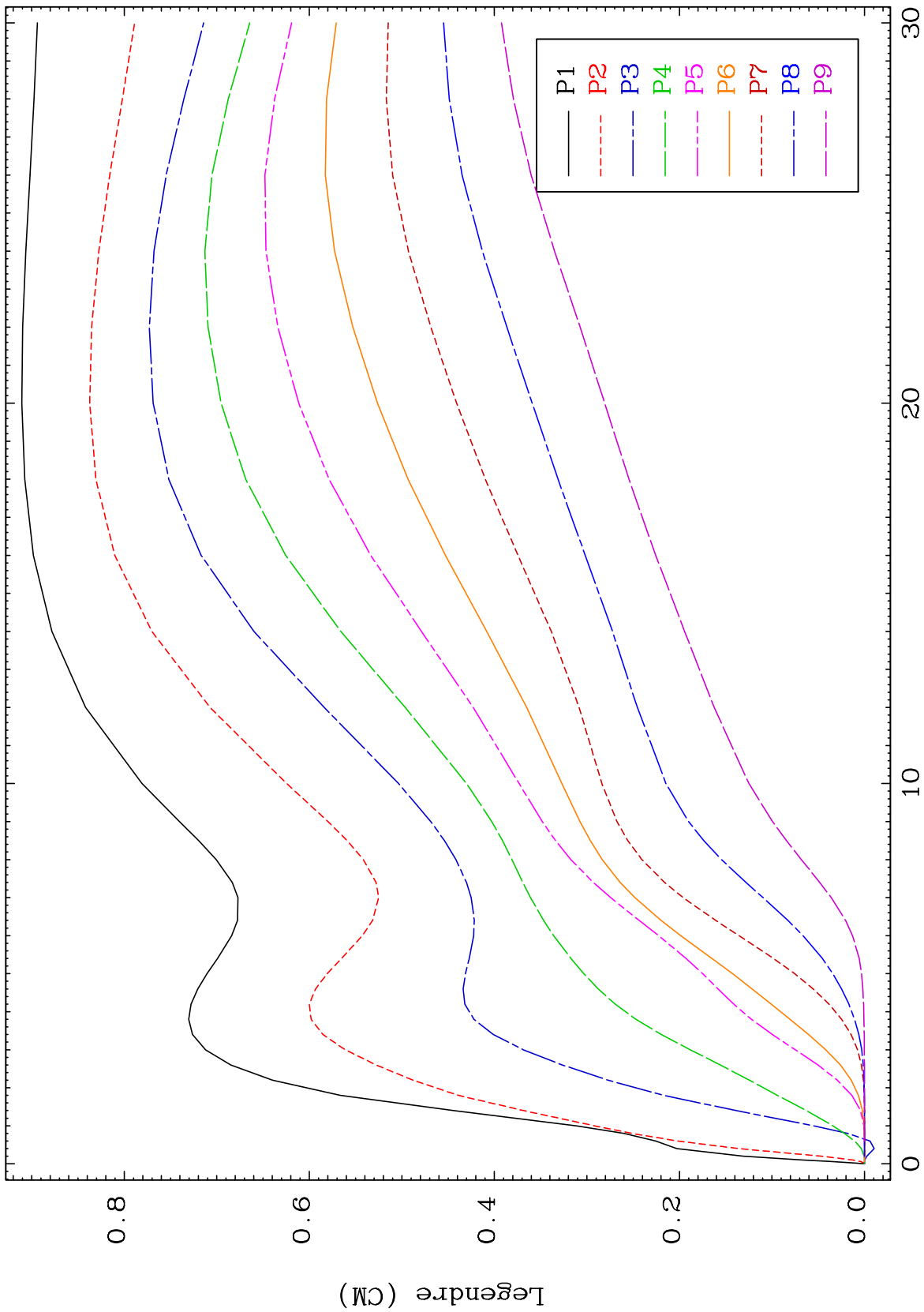
61-Pm-143



MAT 6137

Elastic Legendre Coefficients

61-Pm-143



17

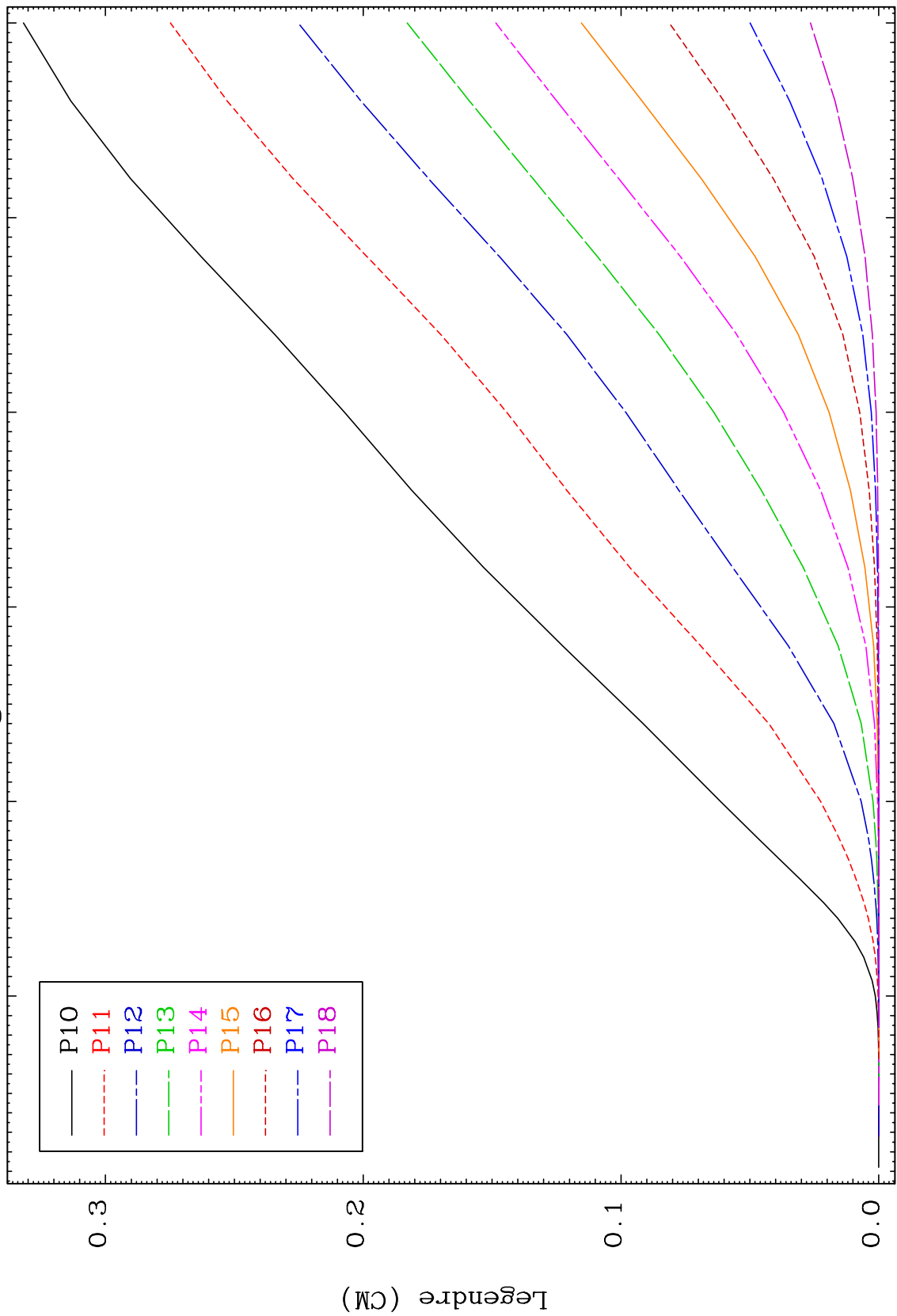
Incident Energy (MeV)

61-Pm-143

MAT 6137

Elastic Legendre Coefficients

61-Pm-143



18

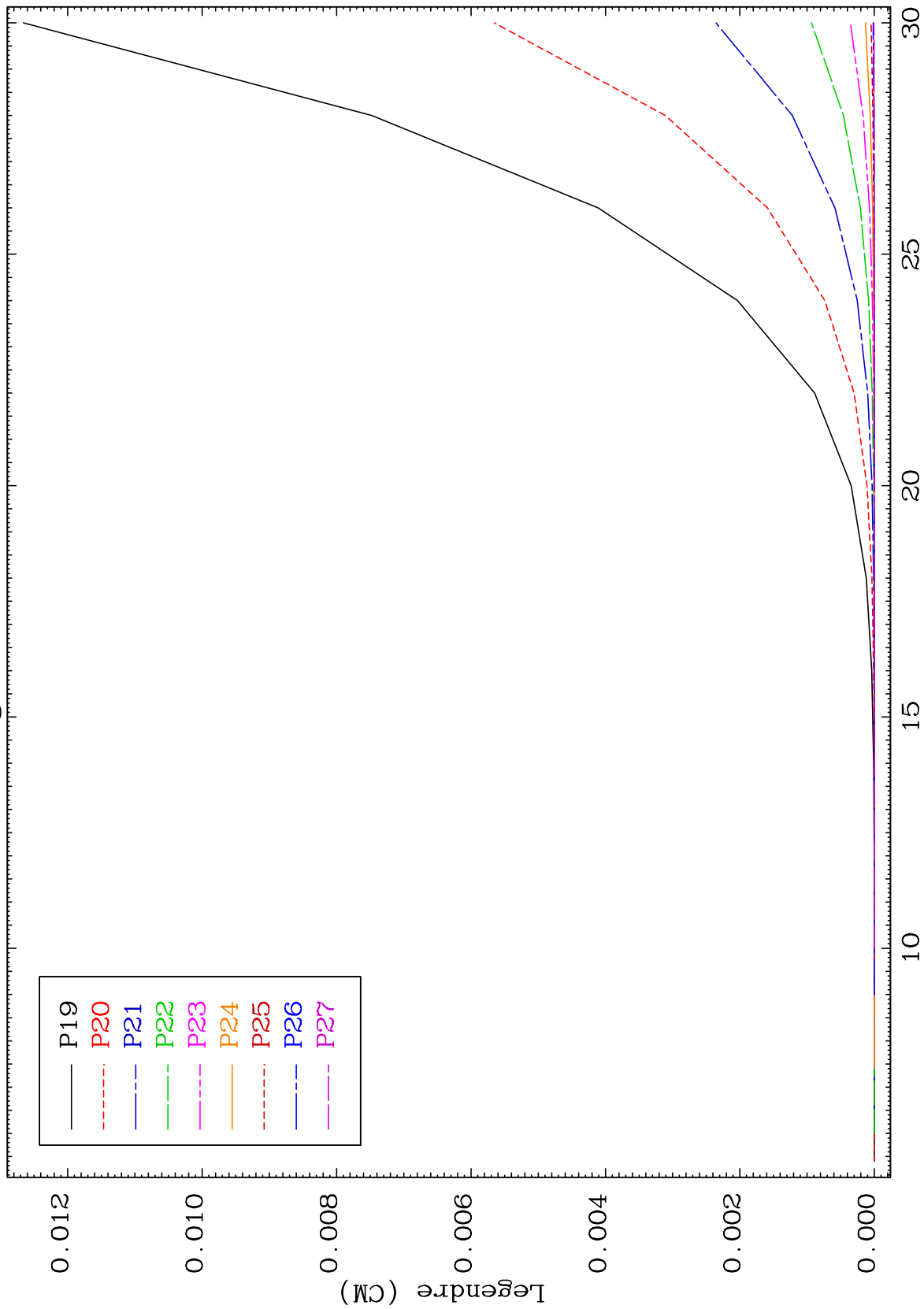
Incident Energy (MeV)

61-Pm-143

MAT 6137

### Elastic Legendre Coefficients

61-Pm-143



19

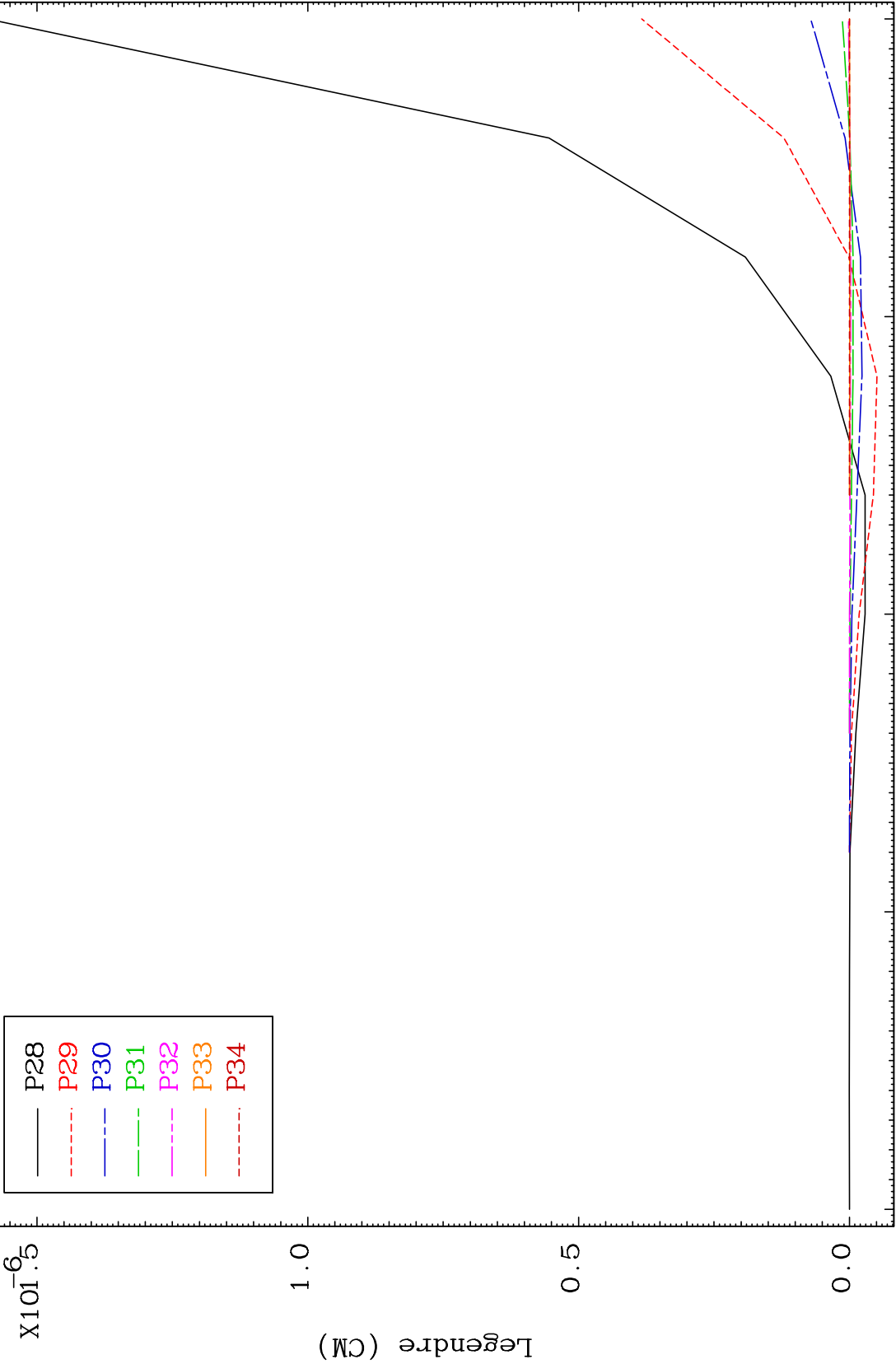
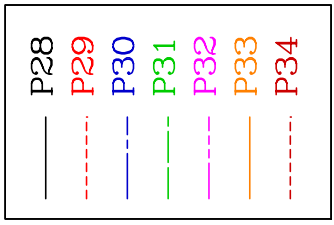
Incident Energy (MeV)

61-Pm-143

MAT 6137

Elastic Legendre Coefficients

61-Pm-143



20

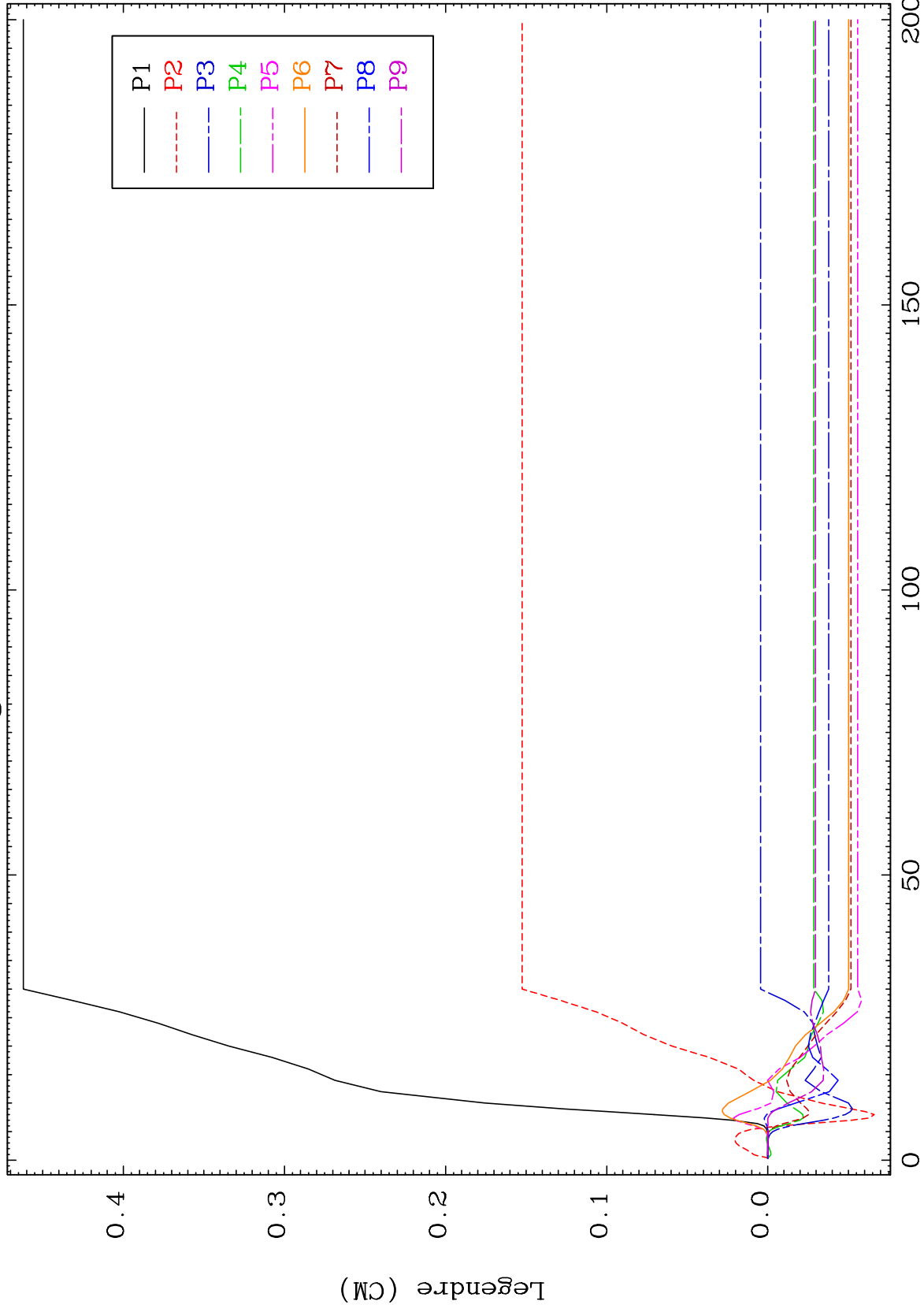
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



21

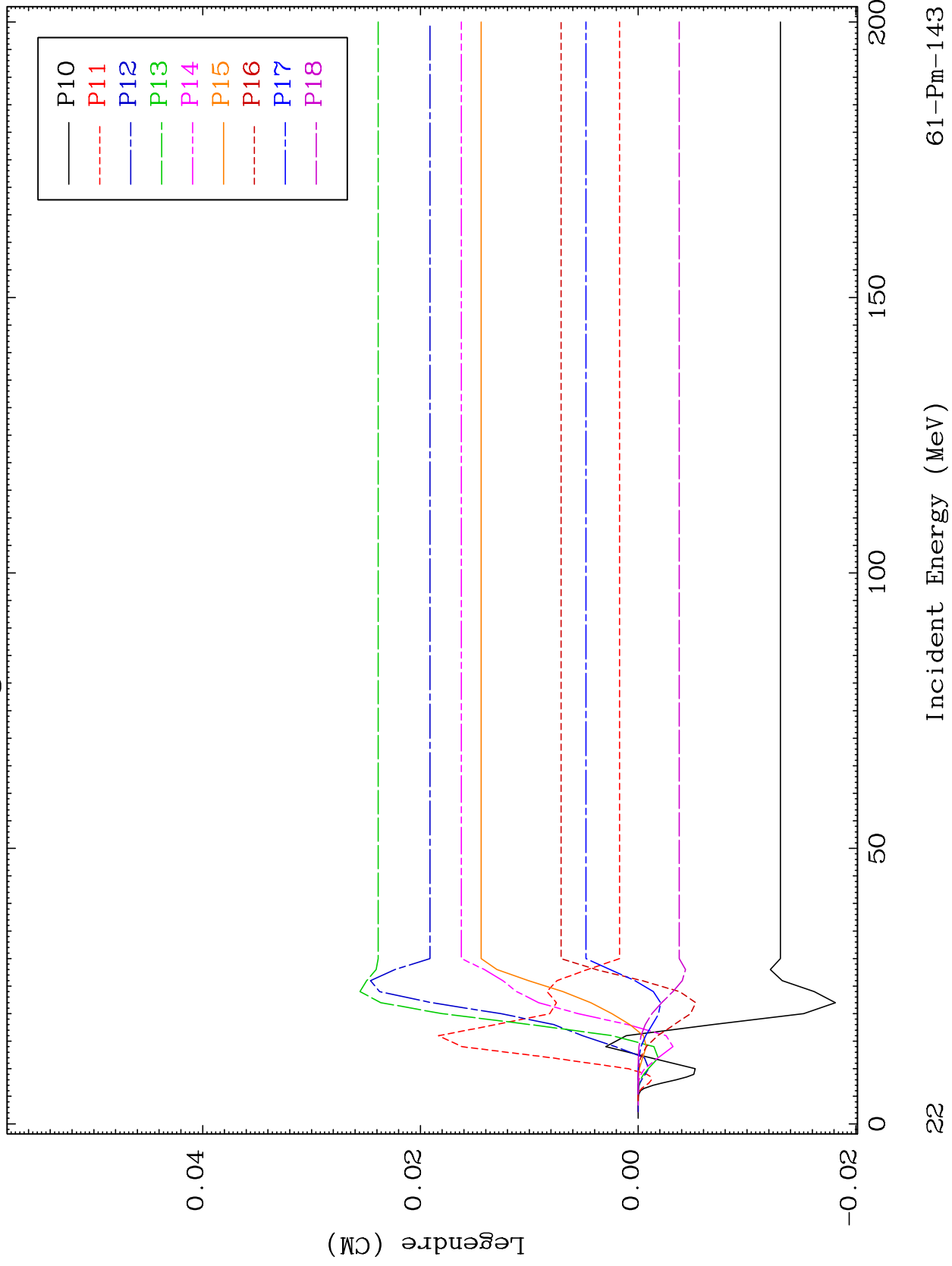
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



61-Pm-143

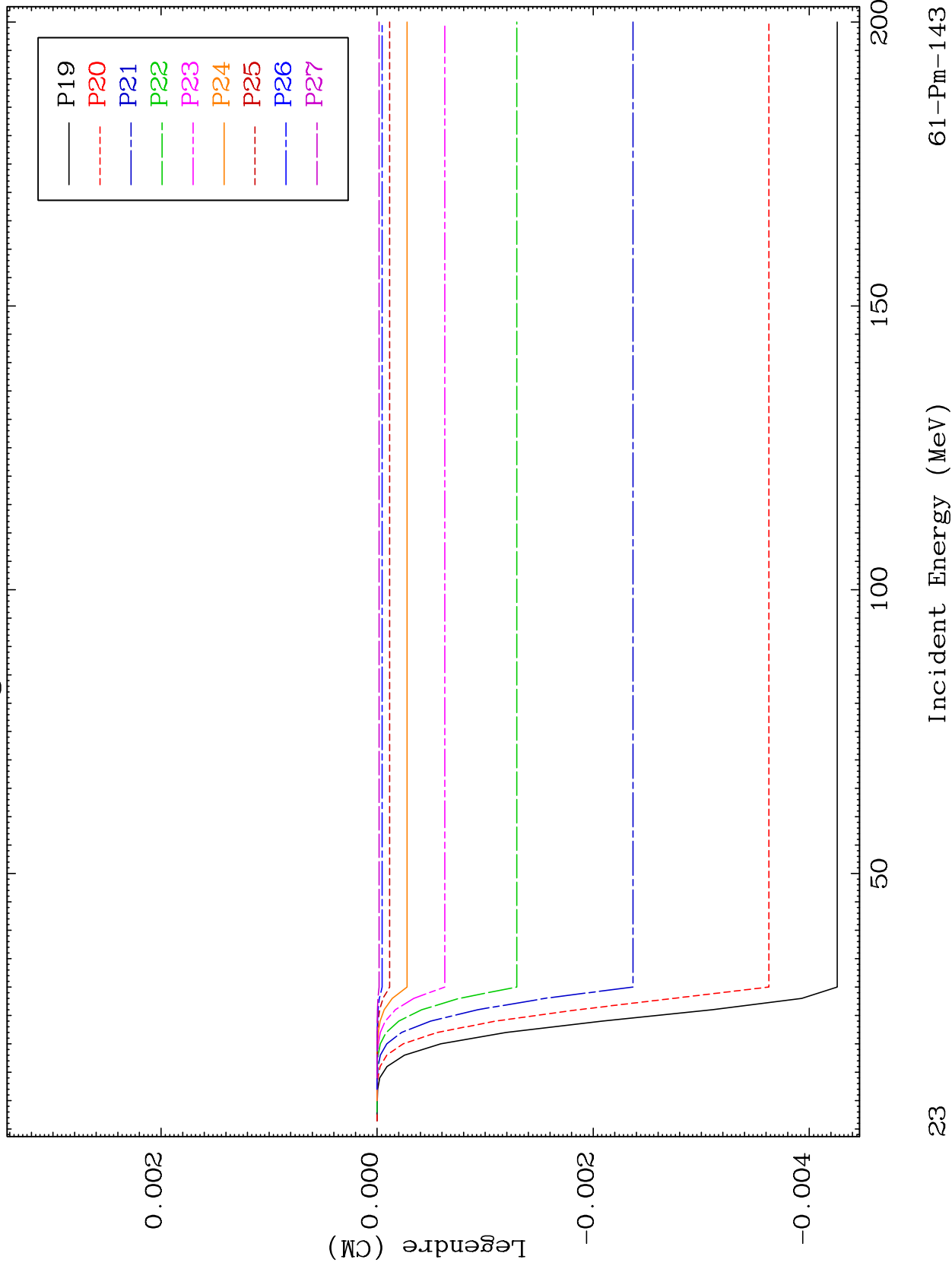
Incident Energy (MeV)

22

MAT 6137

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

61-Pm-143



23

Incident Energy (MeV)

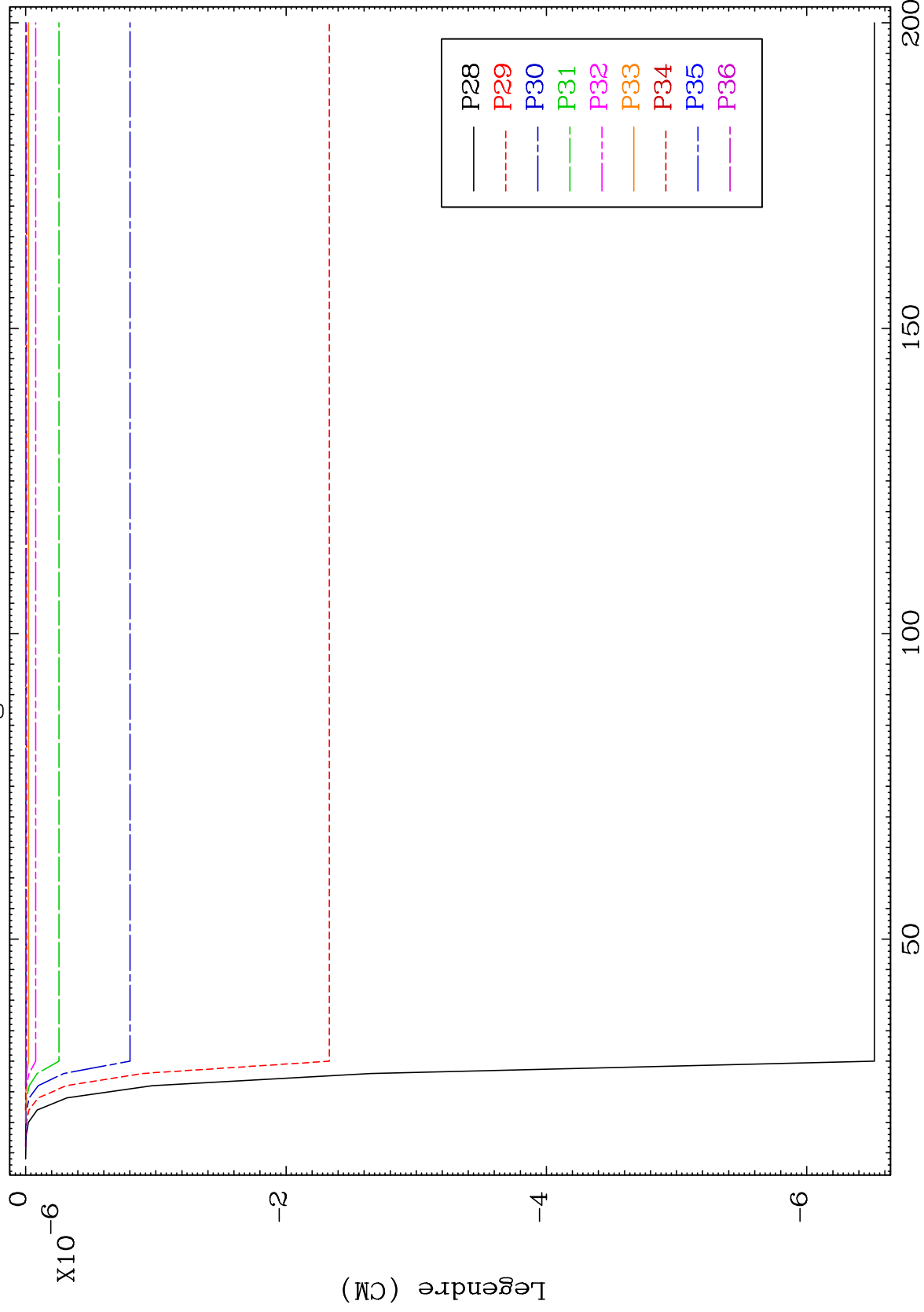
61-Pm-143



MAT 6137

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

61-Pm-143



24

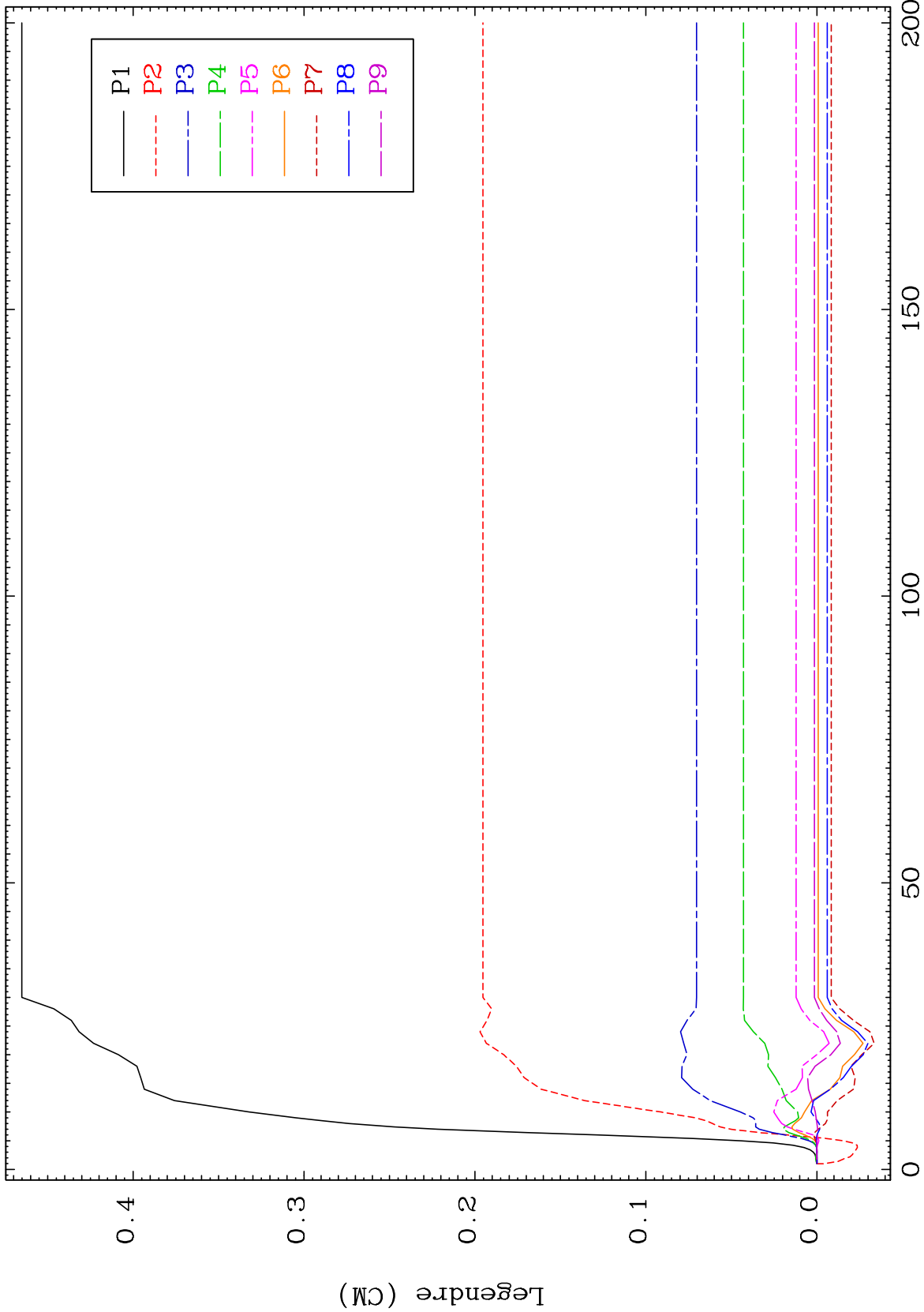
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



61-Pm-143

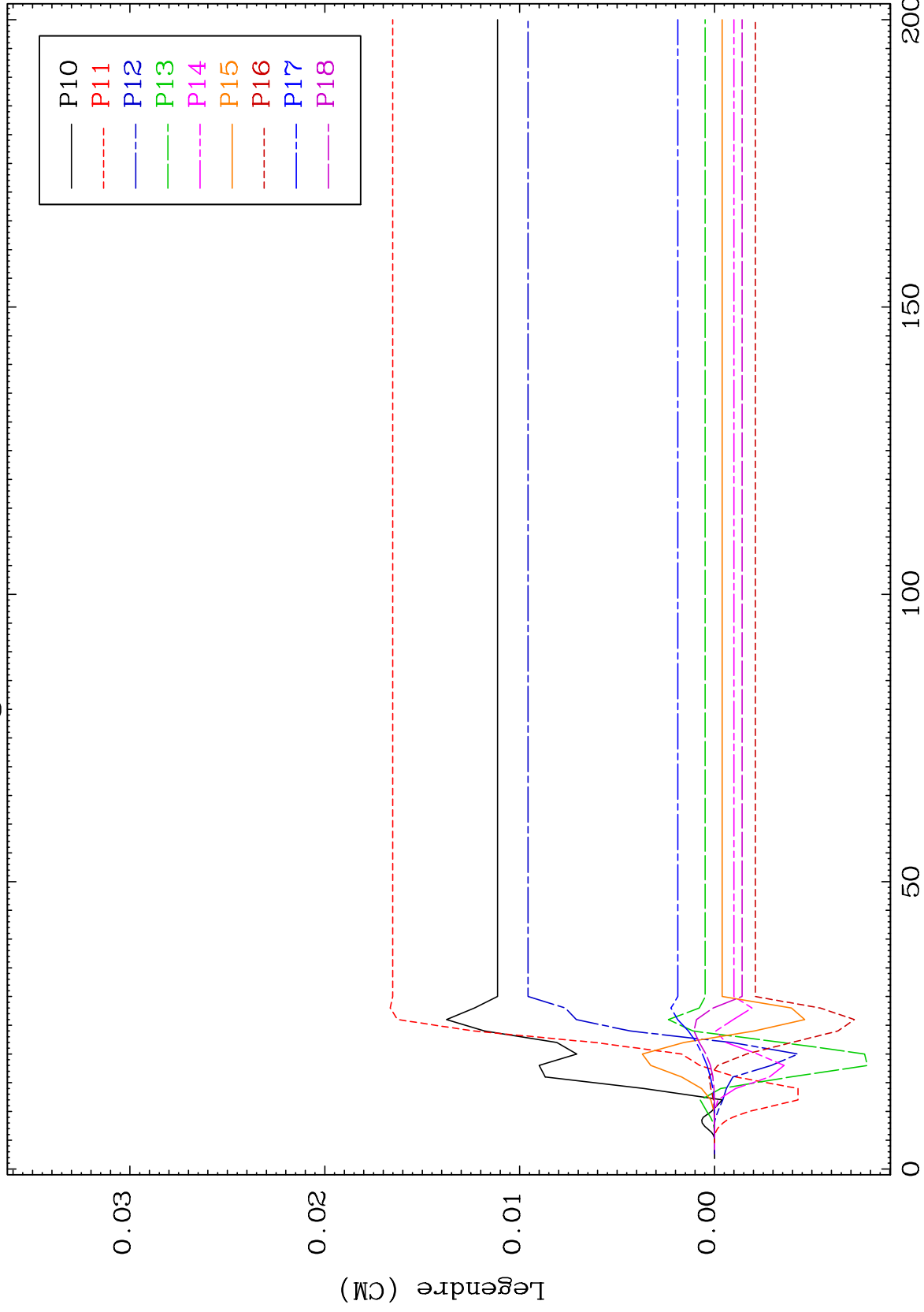
Incident Energy (MeV)

25

MAT 6137

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

61-Pm-143



26

Incident Energy (MeV)

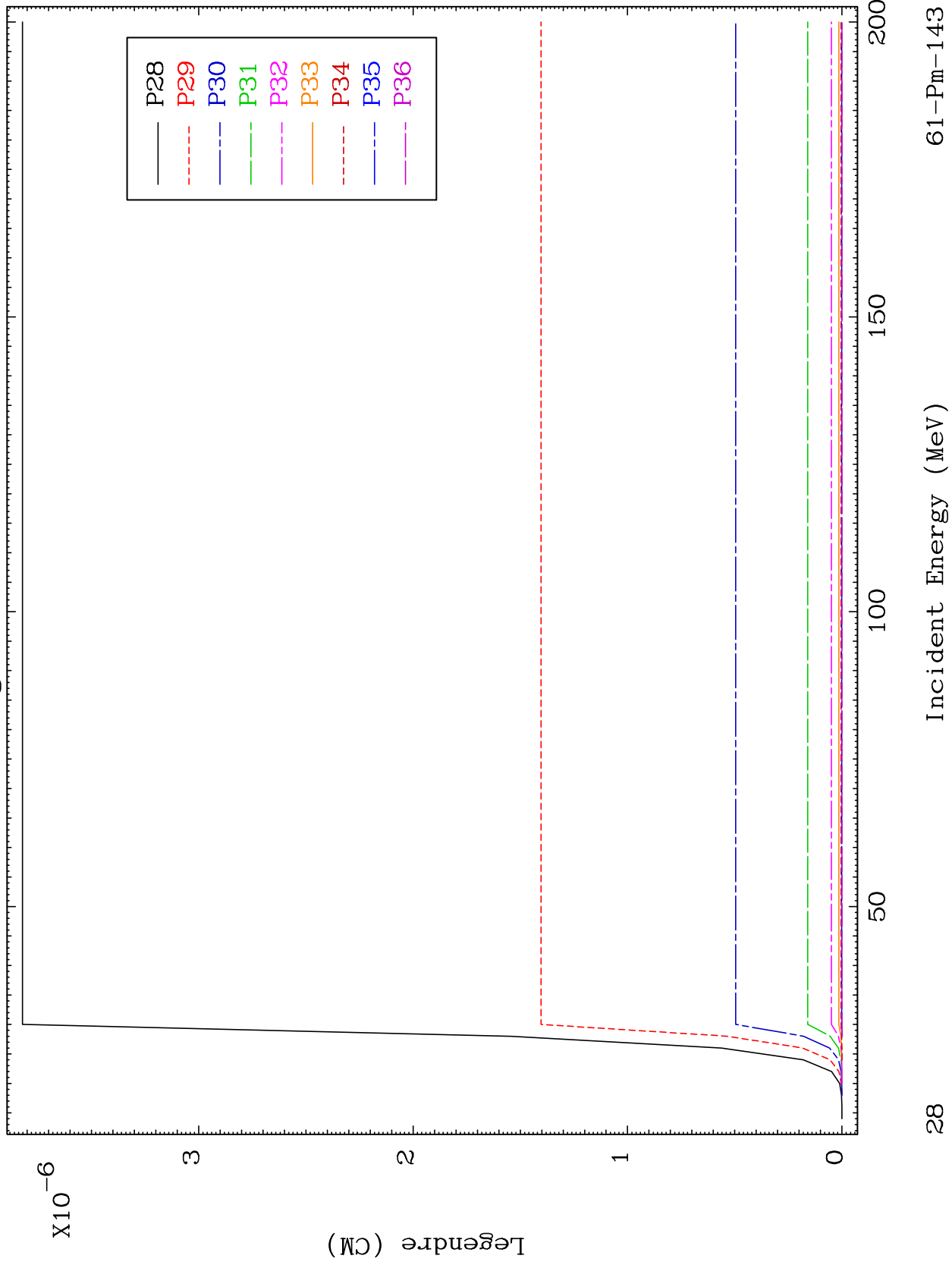
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MAT 6137

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

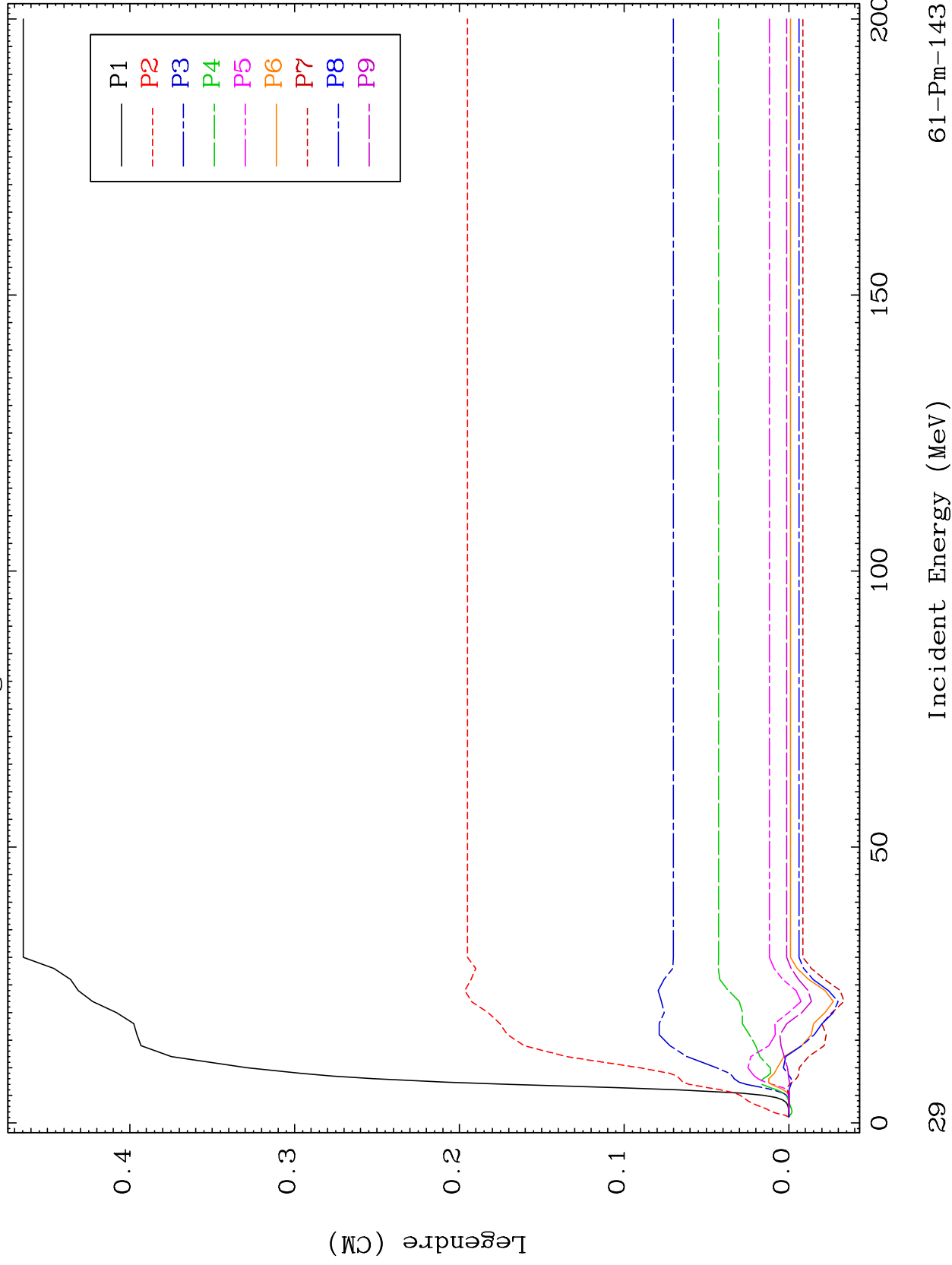
61-Pm-143



MAT 6137

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

61-Pm-143

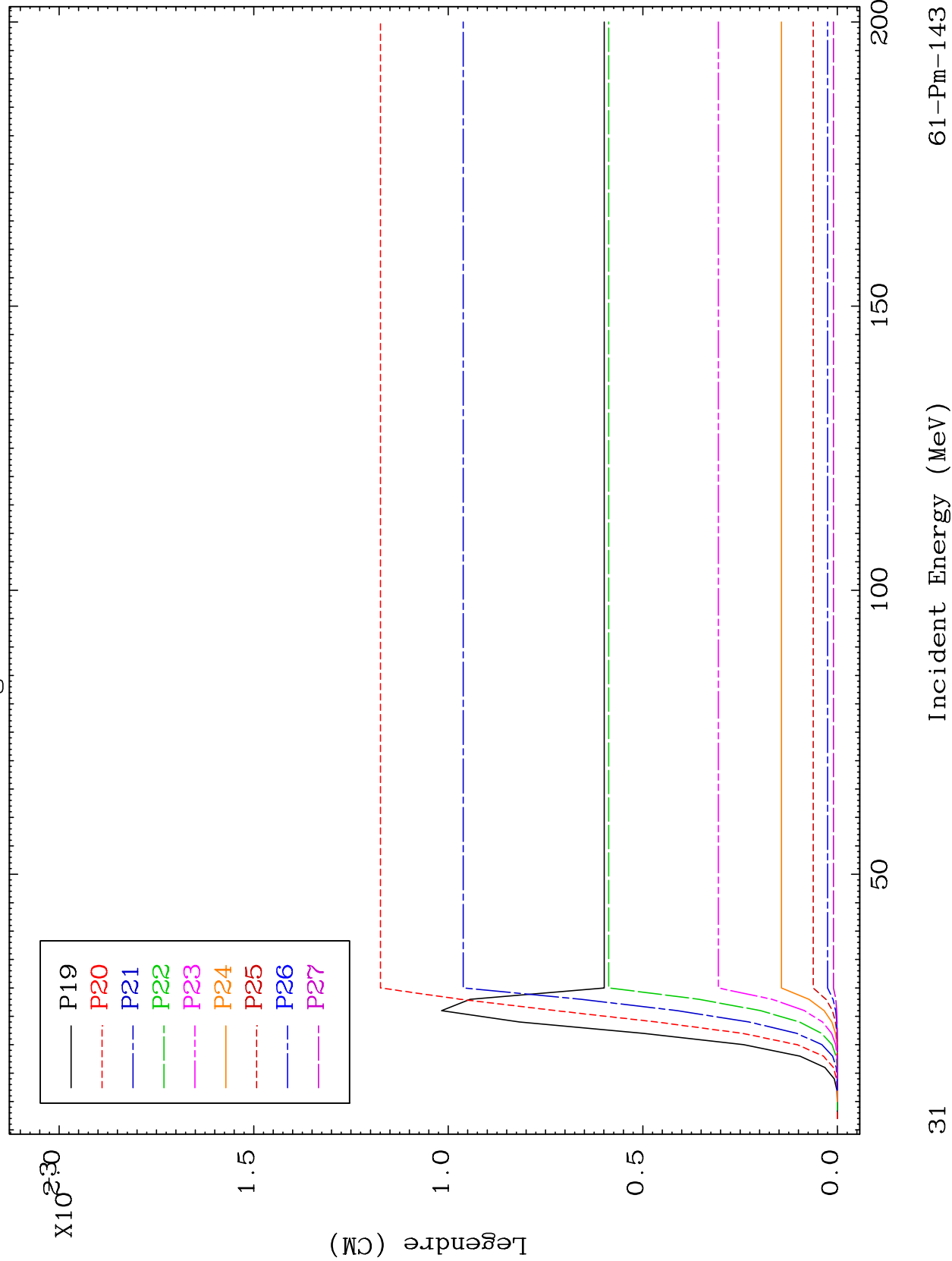


61-Pm-143

Incident Energy (MeV)

29



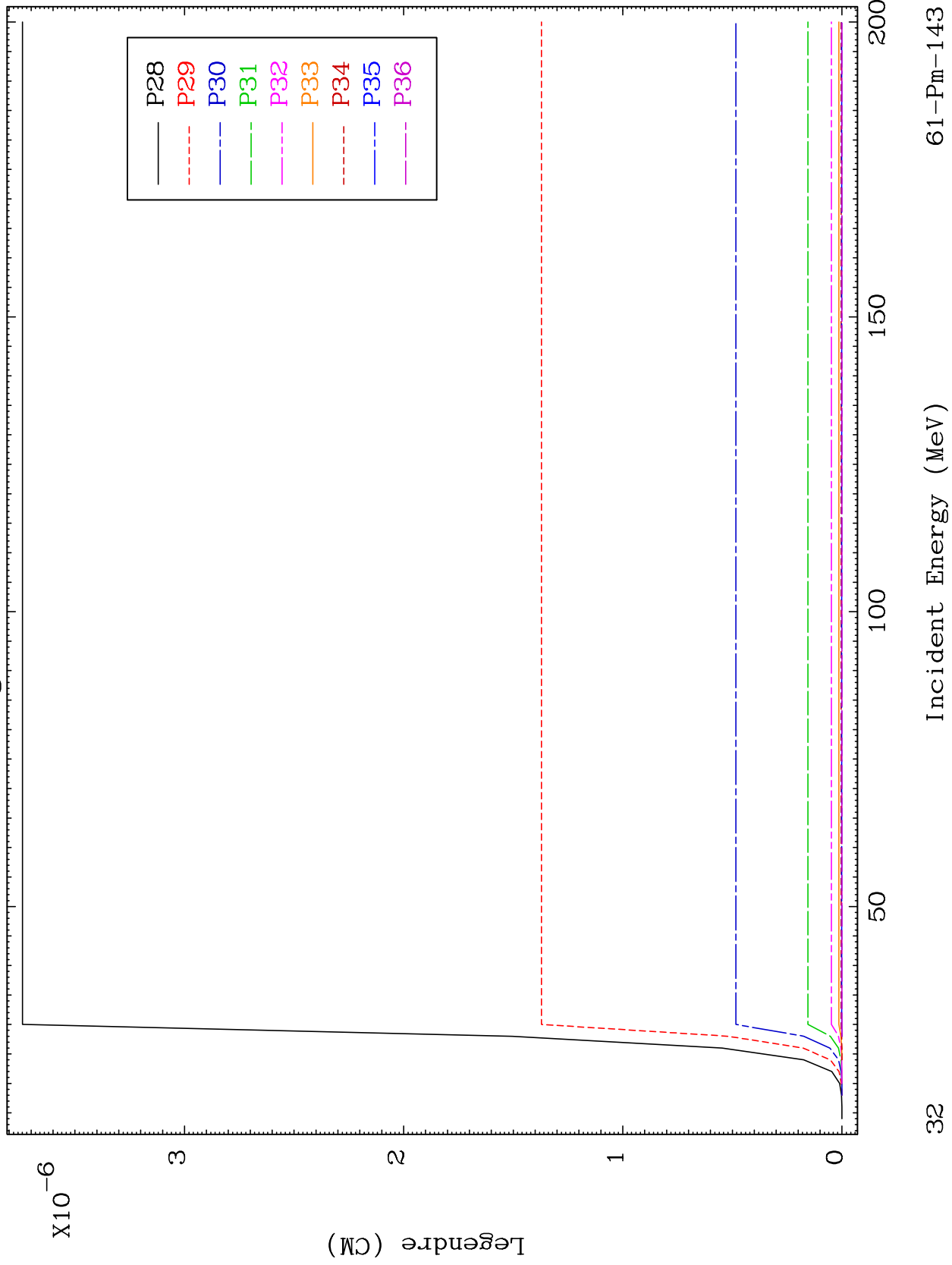




MAT 6137

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

61-Pm-143



32

Incident Energy (MeV)

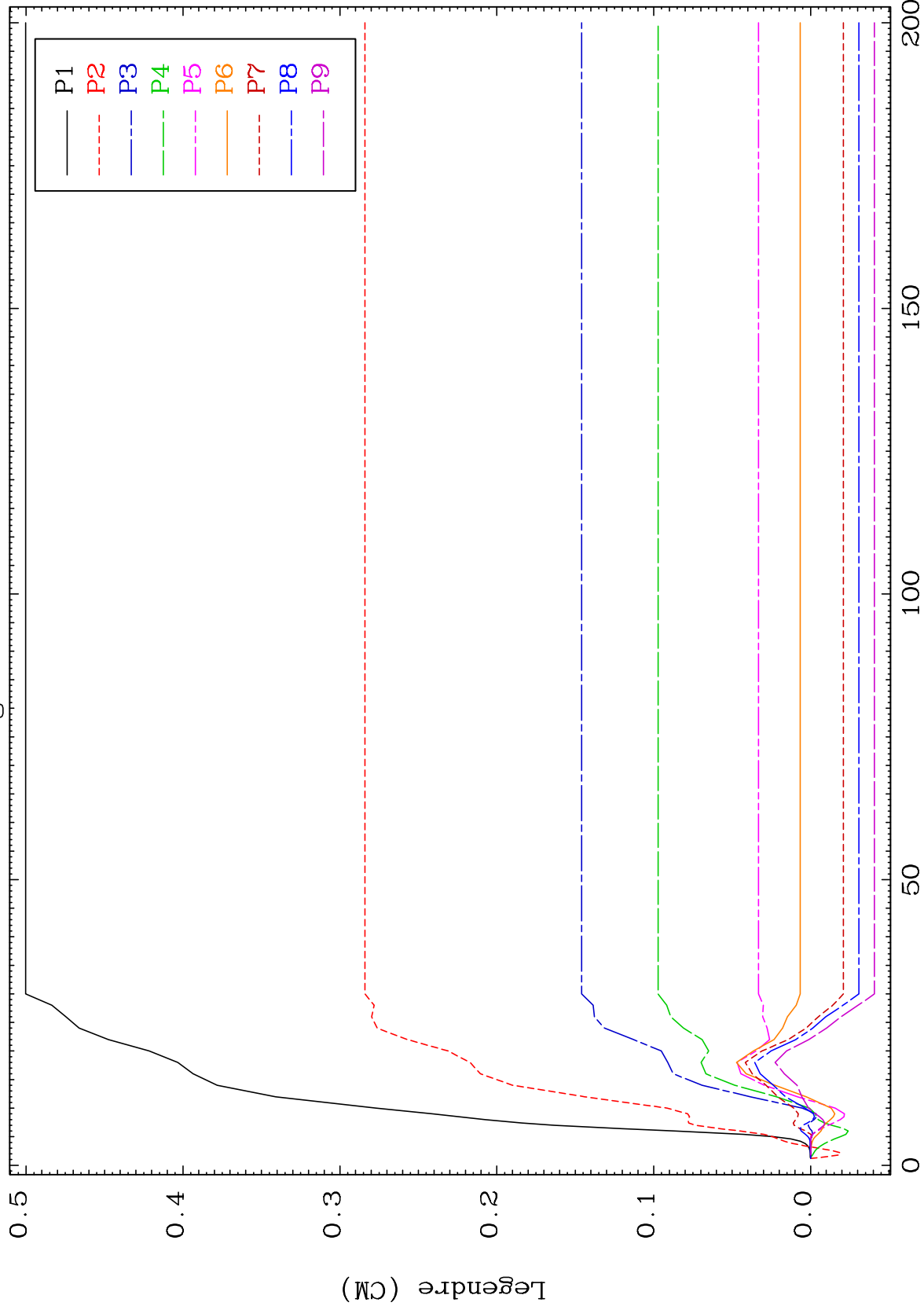
61-Pm-143

MAT 6137

MT= 54 (n,n') Level

61-Pm-143

Legendre Coefficients



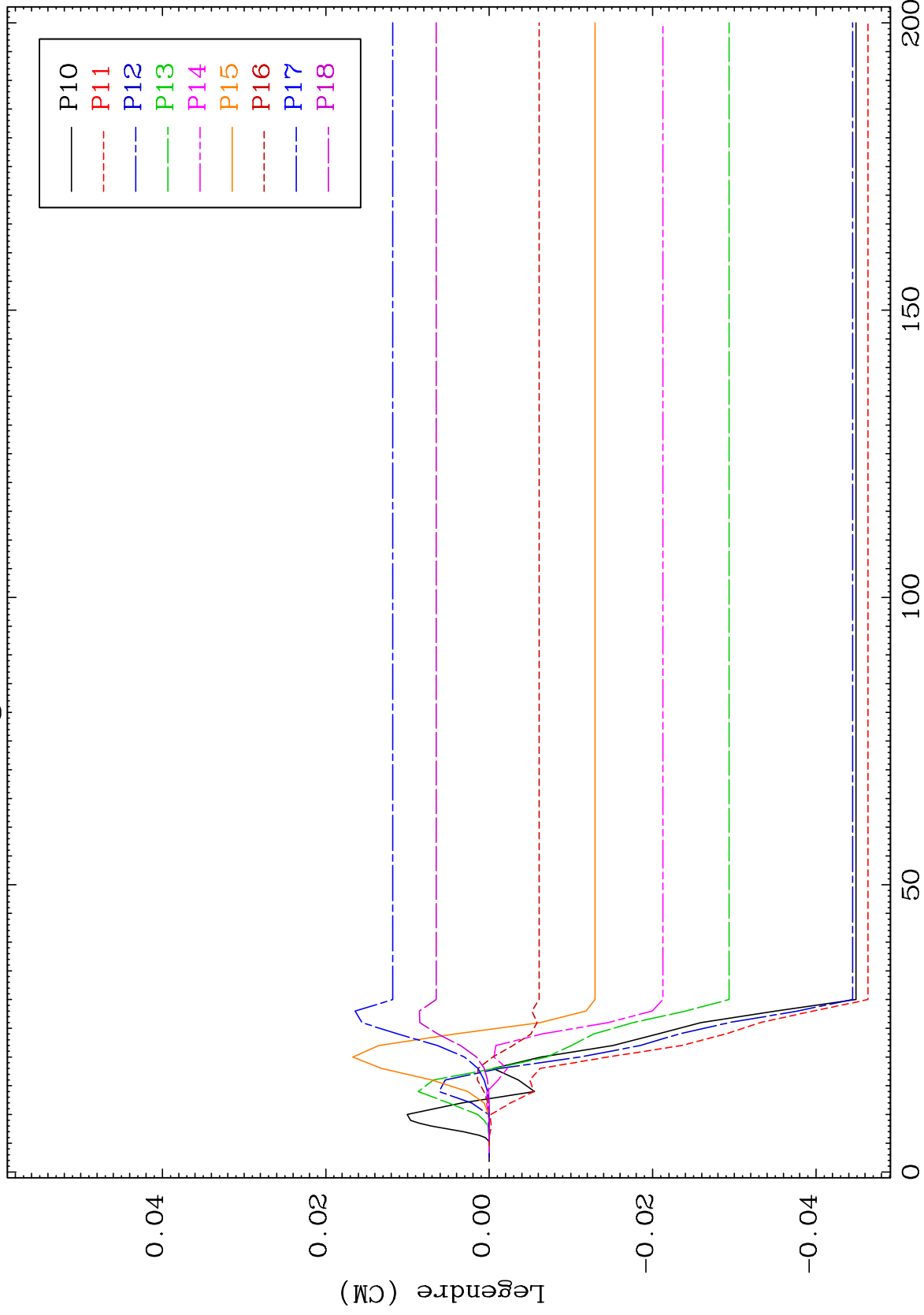
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61-Pm-143

MAT 6137

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

61-Pm-143



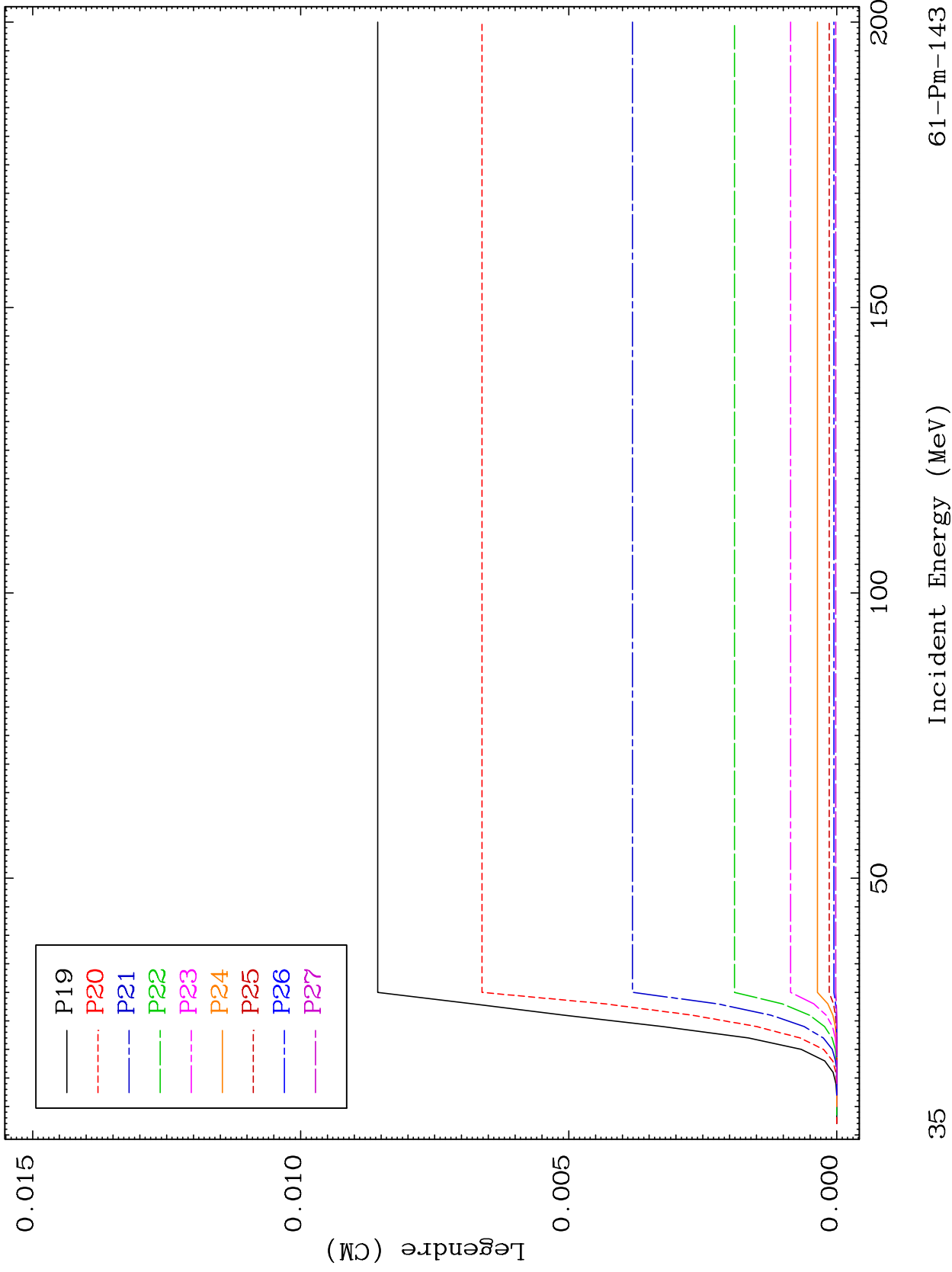
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61-Pm-143

MAT 6137

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

61-Pm-143



61-Pm-143

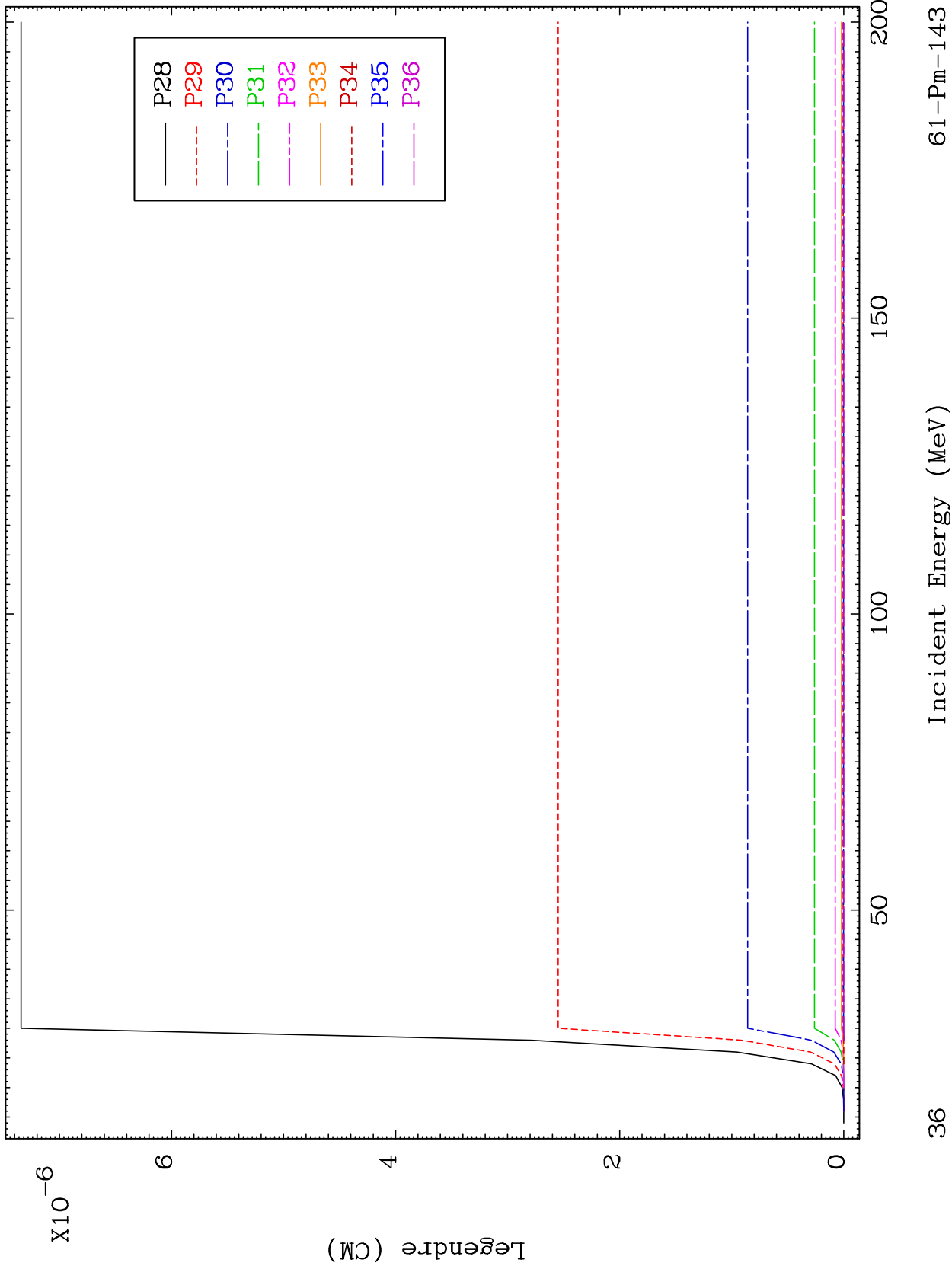
Incident Energy (MeV)

35

MAT 6137

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

61-Pm-143



36

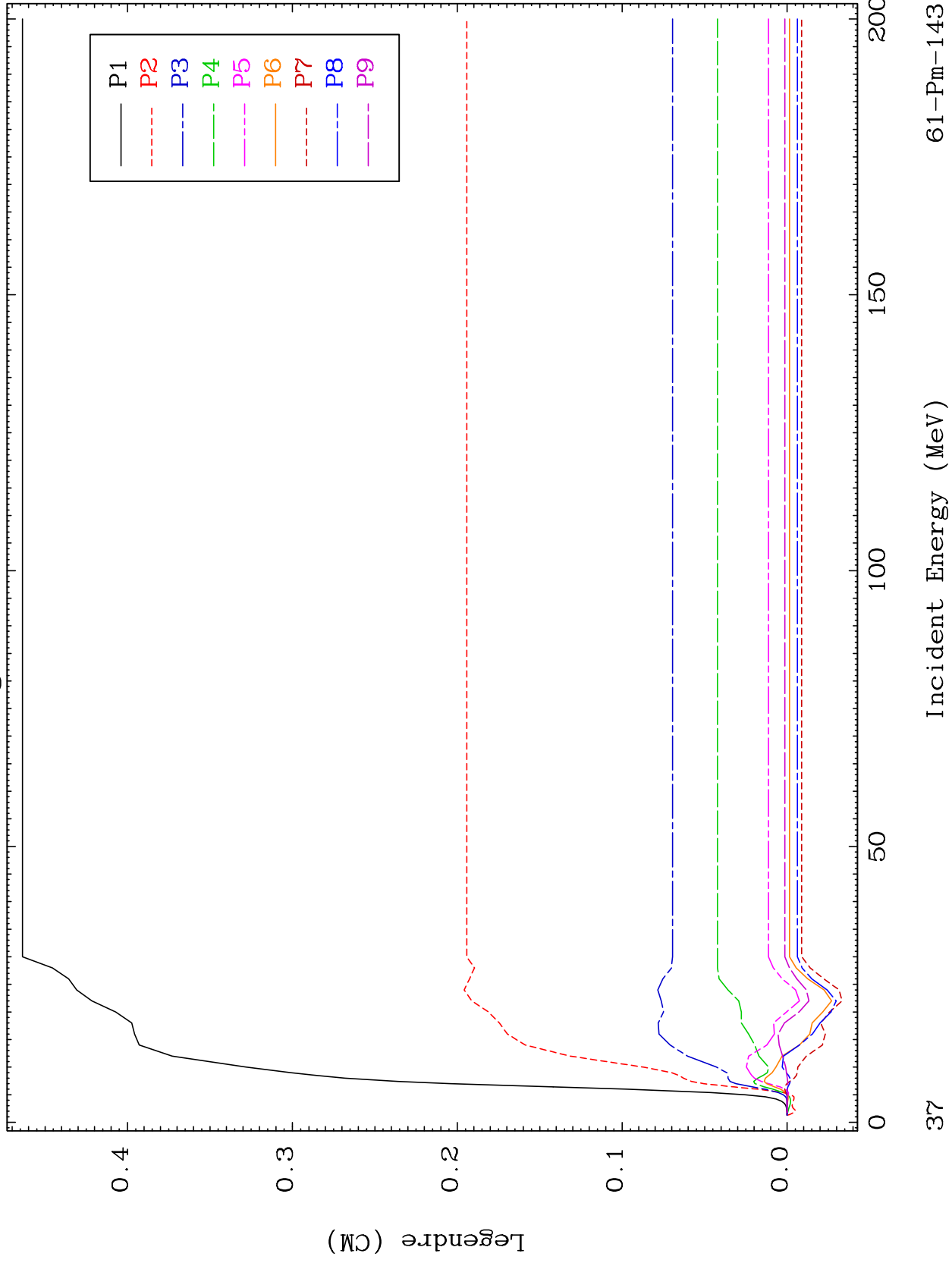
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



61-Pm-143

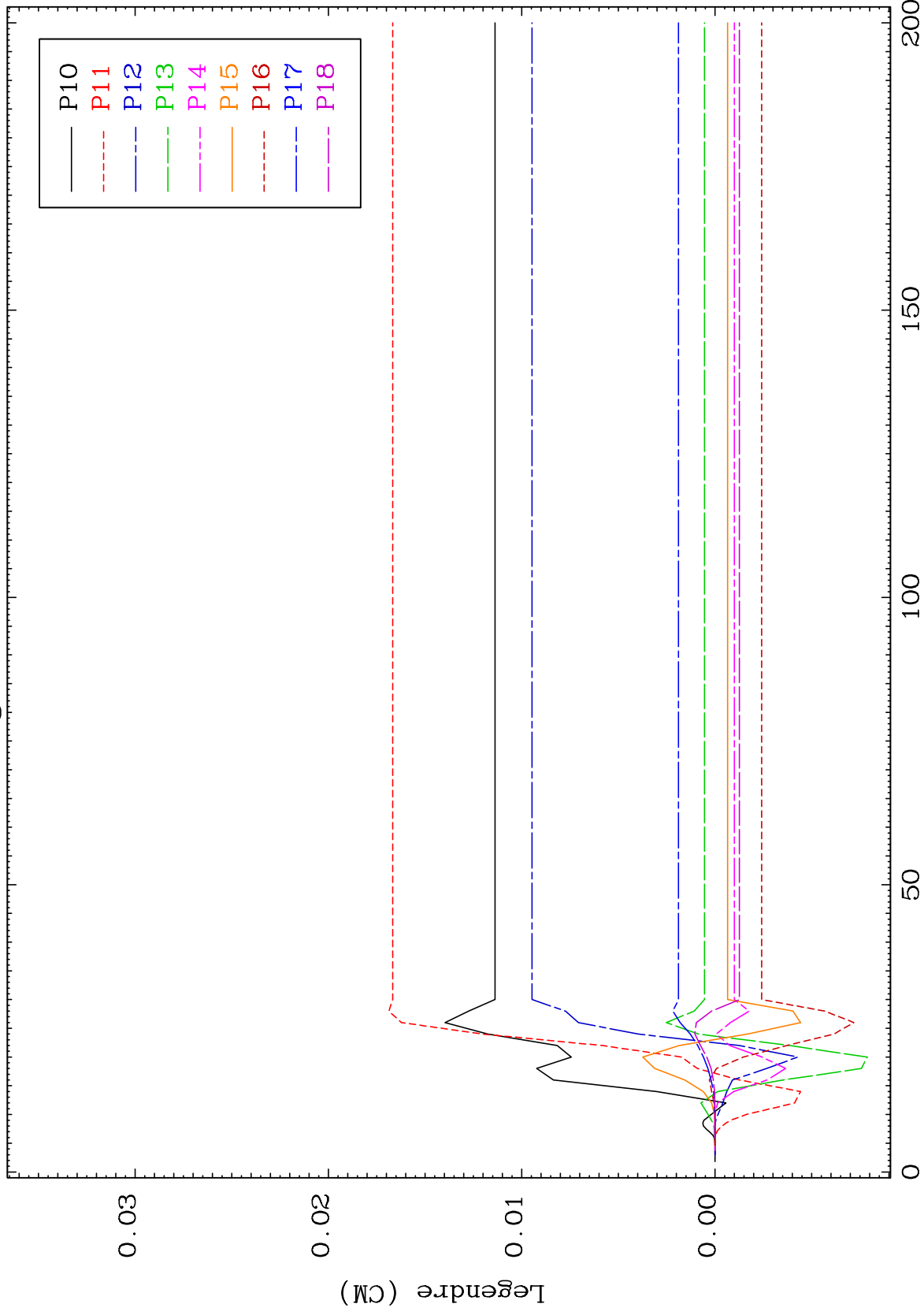
Incident Energy (MeV)

37

MAT 6137

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

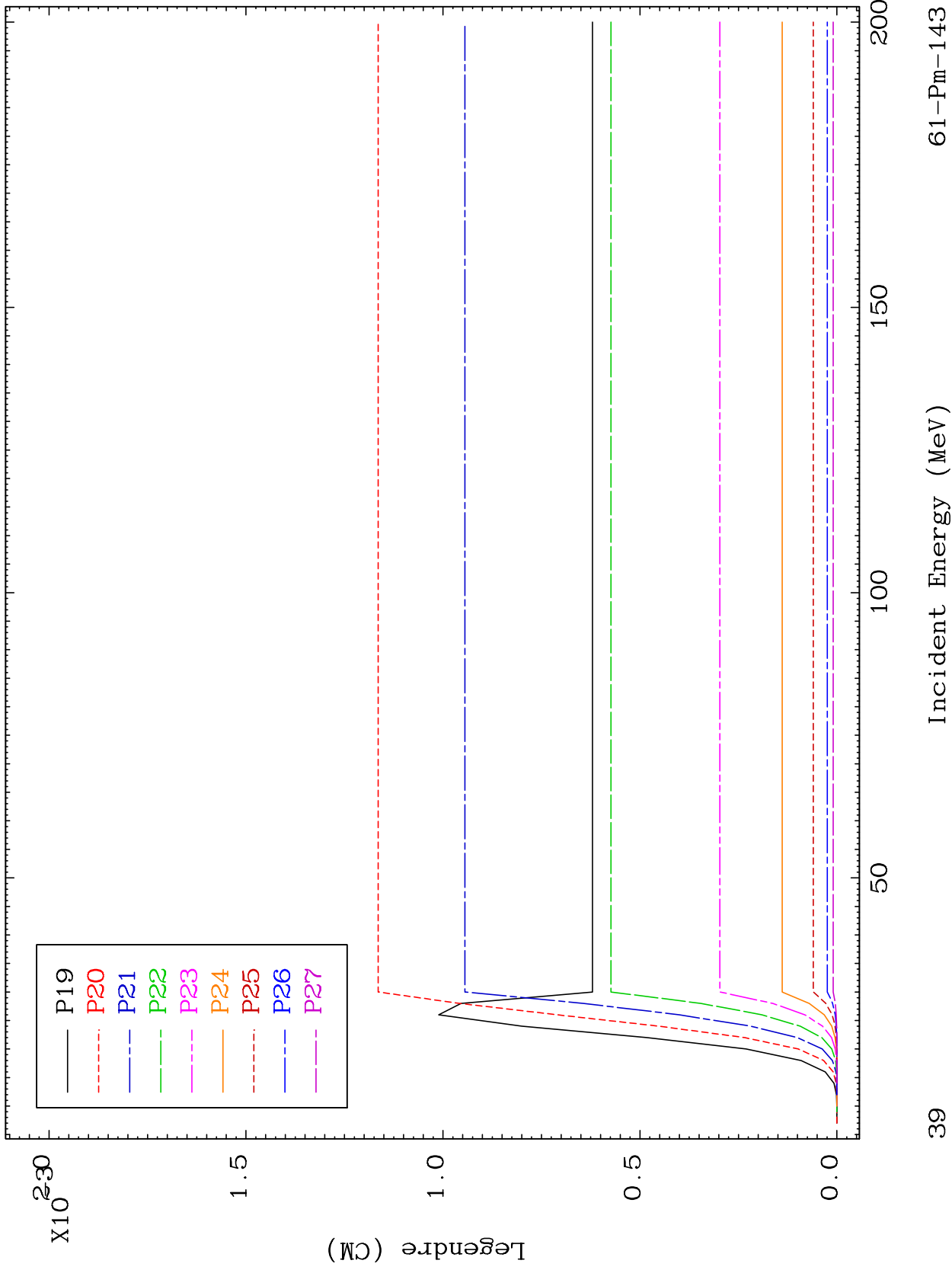
61-Pm-143



38

Incident Energy (MeV)

61-Pm-143

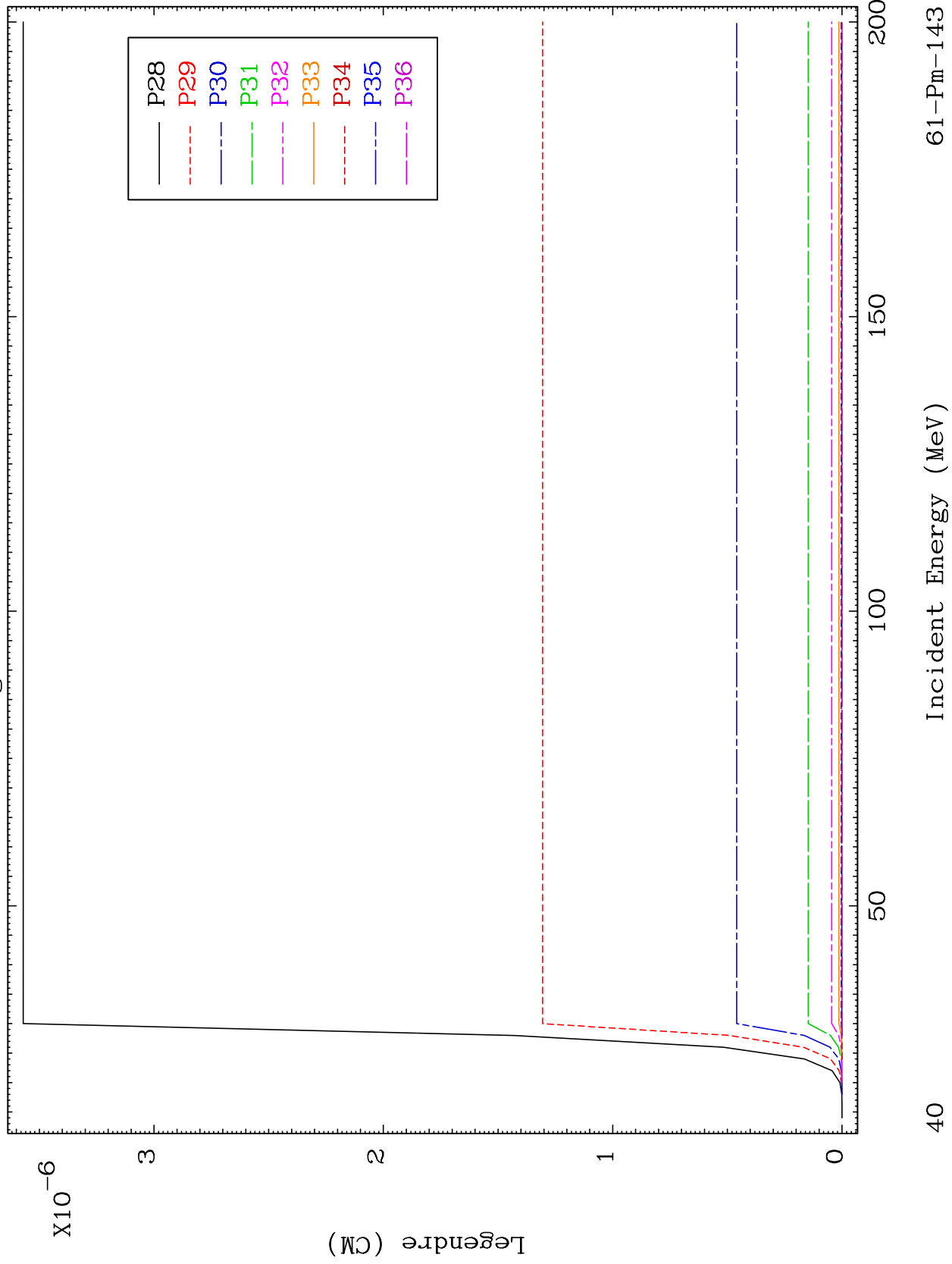




MAT 6137

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

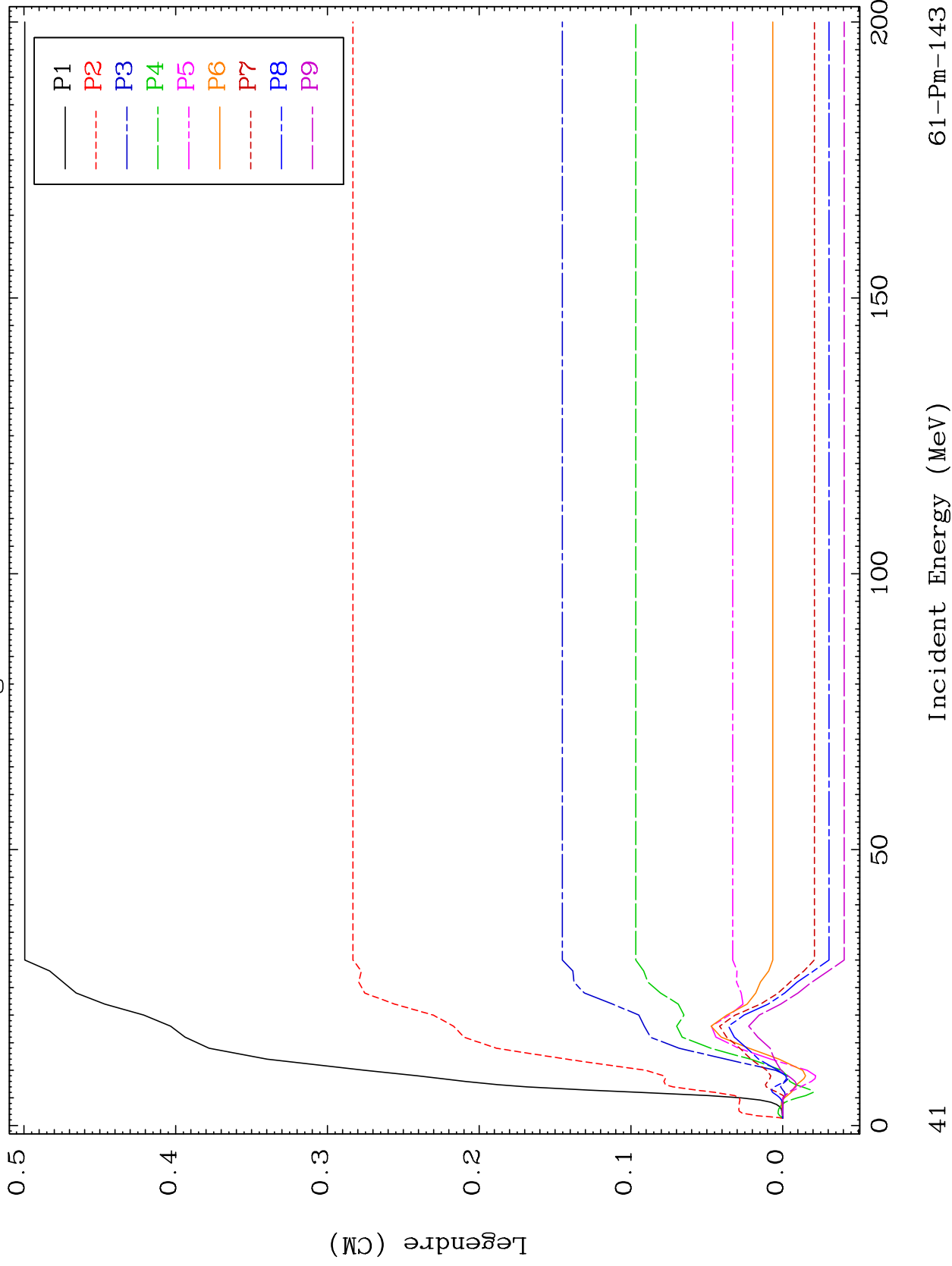
61-Pm-143



MAT 6137

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

61-Pm-143



61-Pm-143

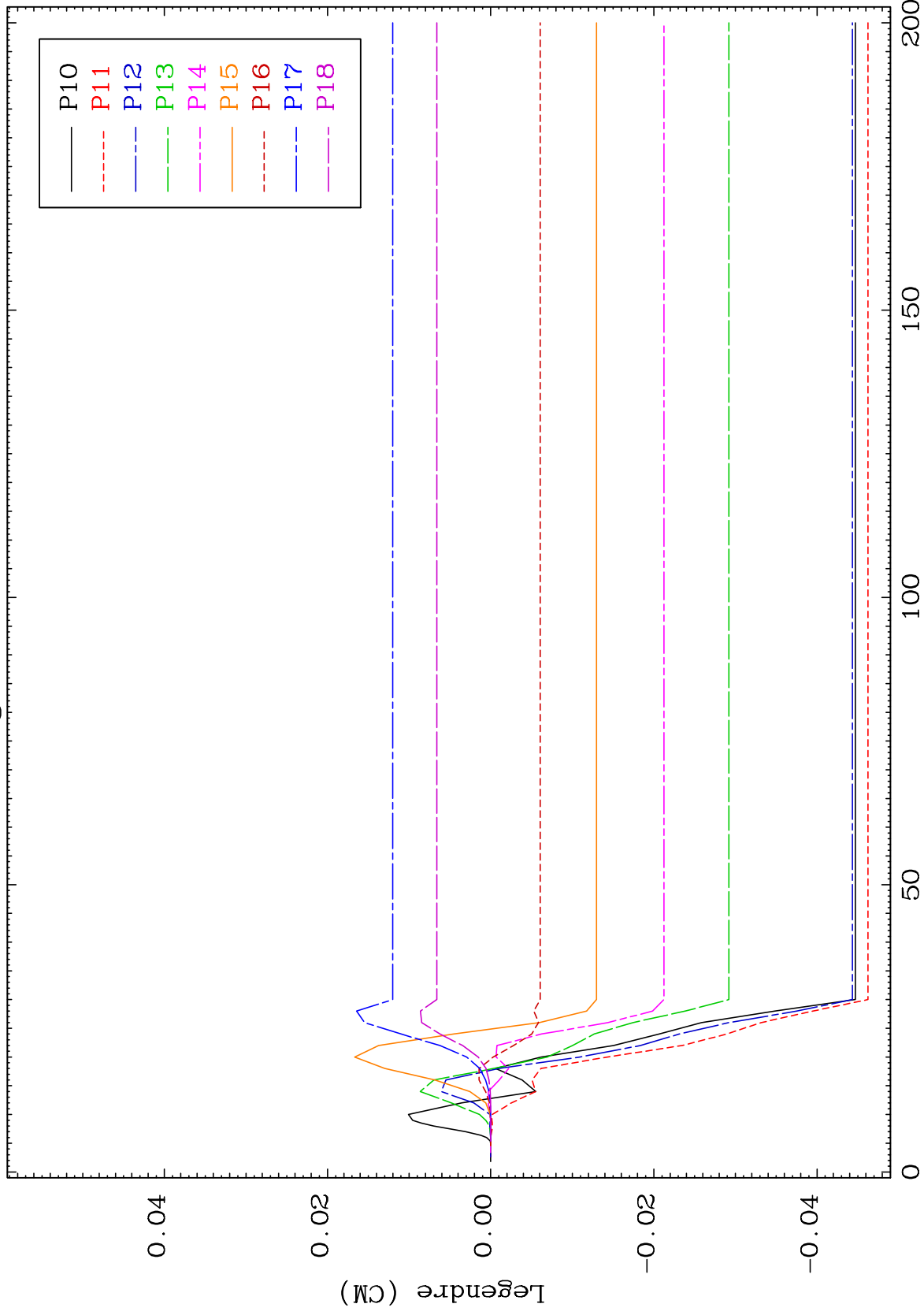
Incident Energy (MeV)

41

MAT 6137

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

61-Pm-143



42

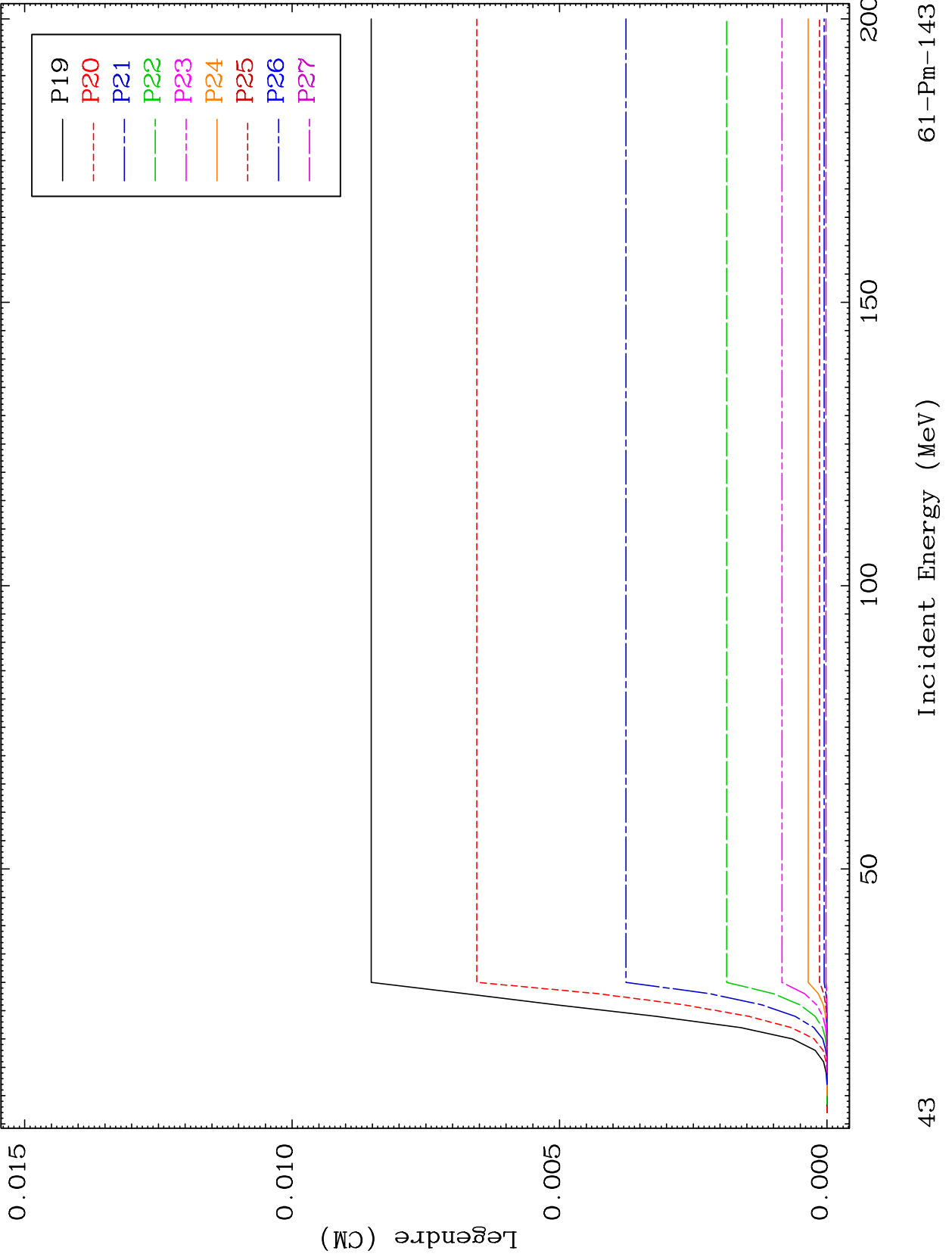
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



43

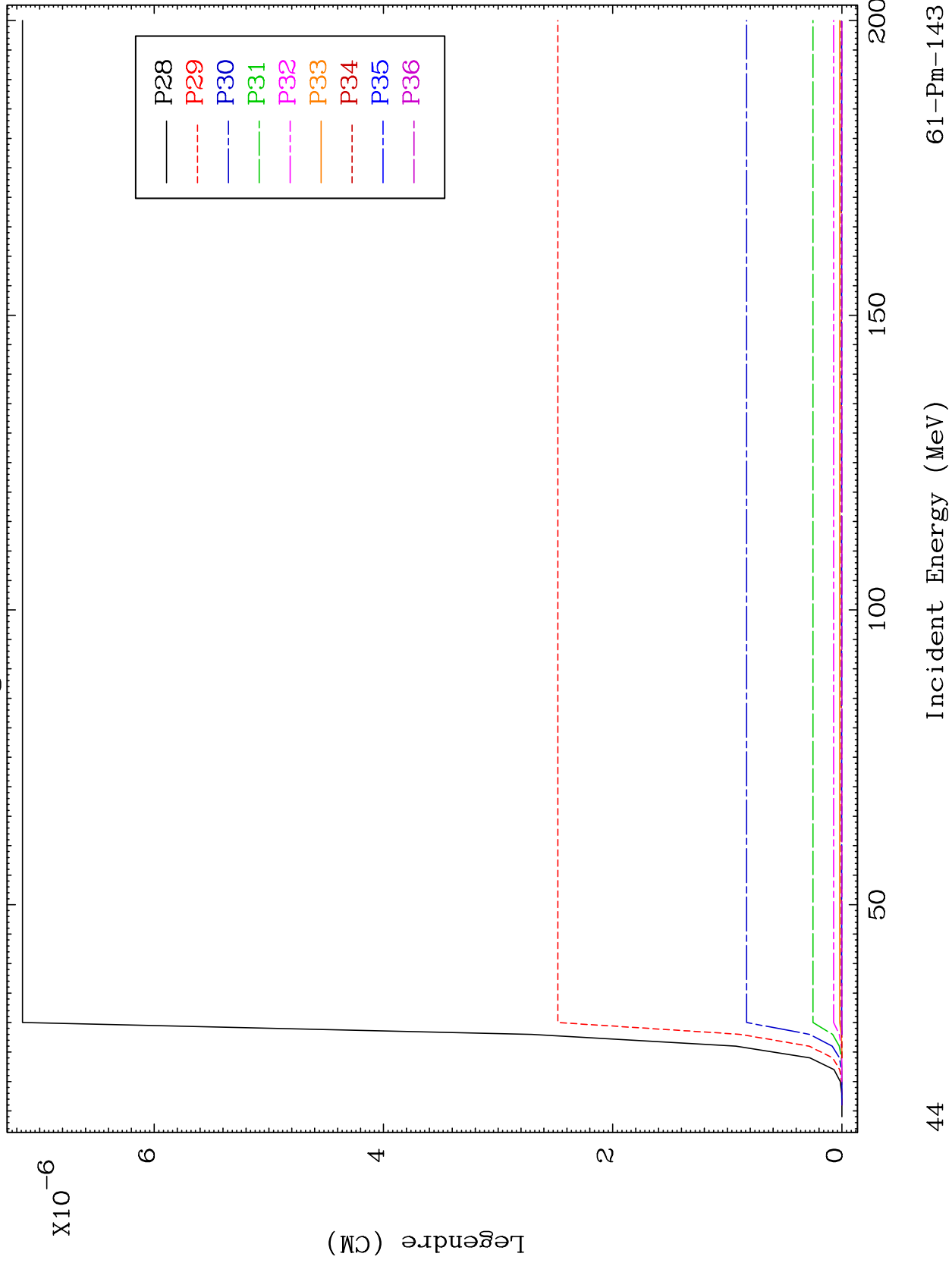
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143

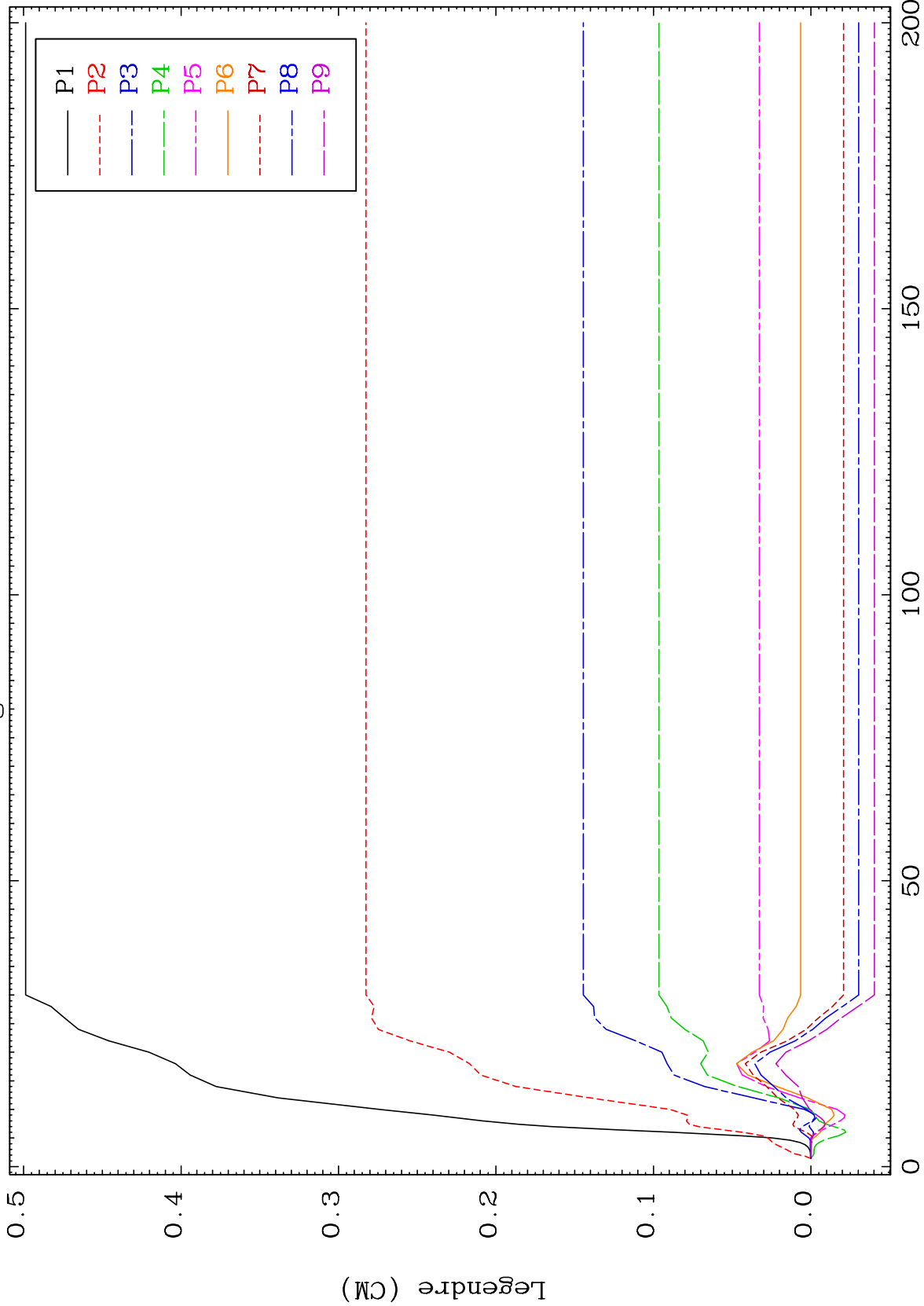


MAT 6137

MT= 57 (n,n') Level

61-Pm-143

Legendre Coefficients



45

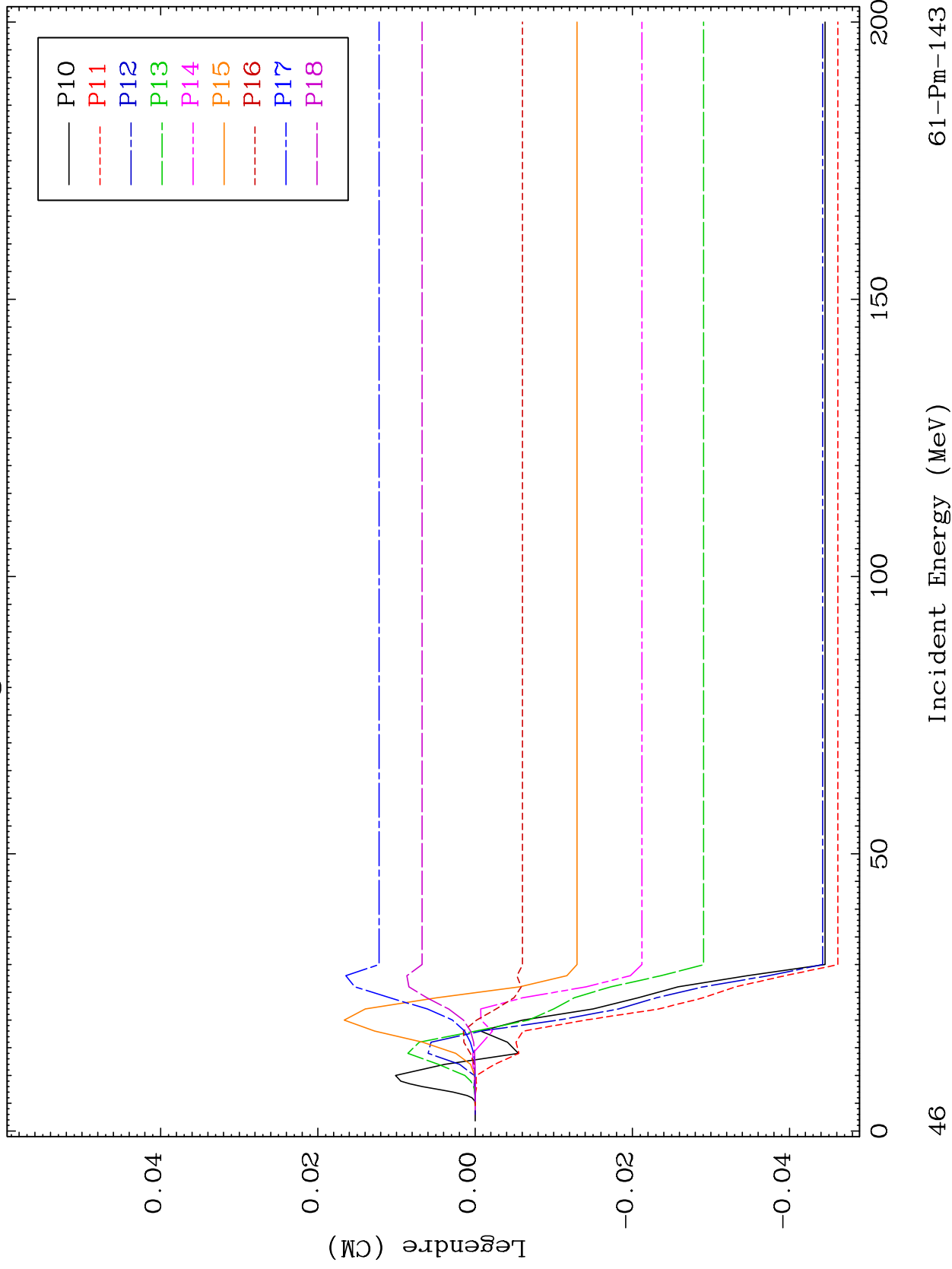
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



61-Pm-143

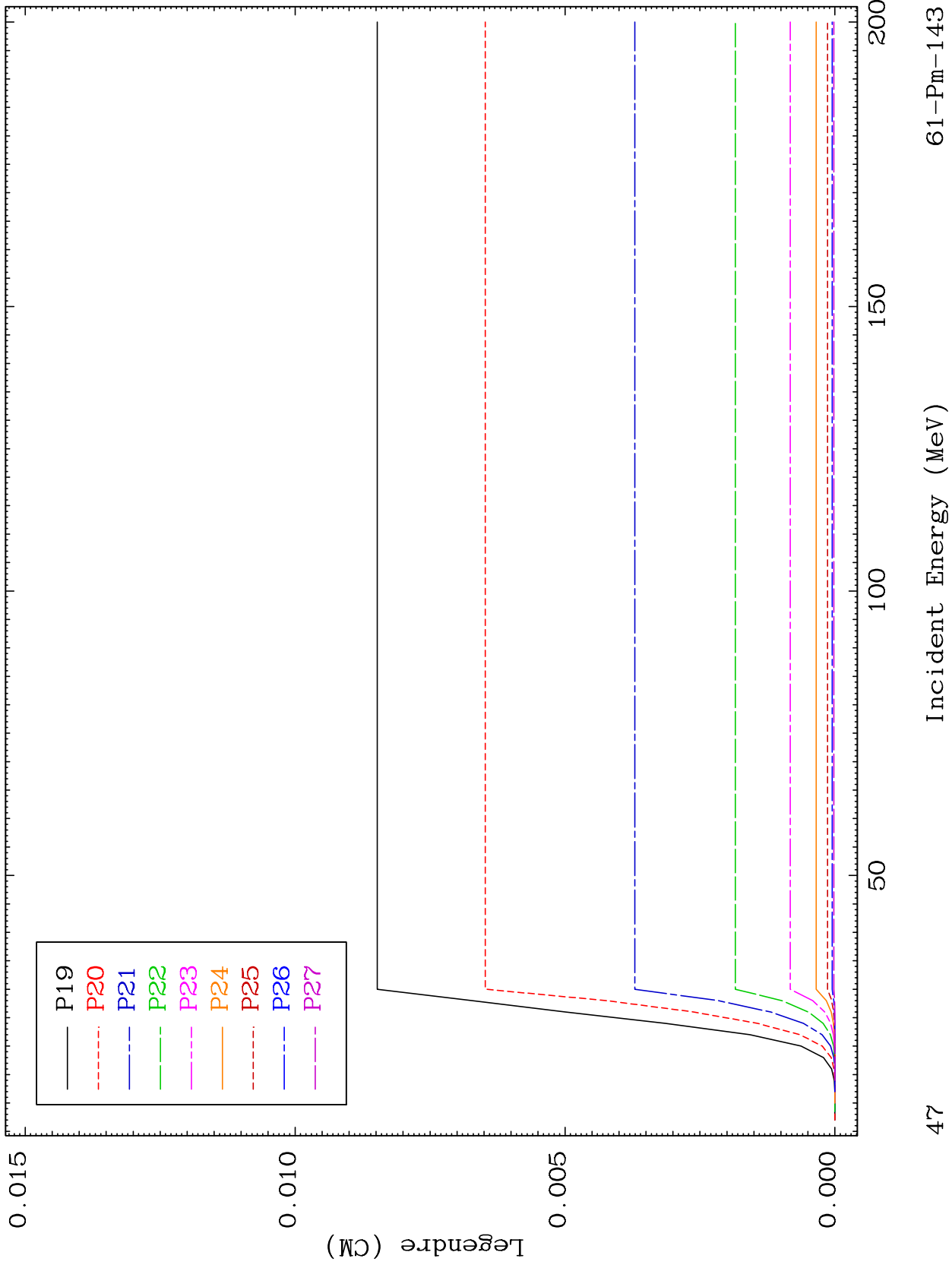
Incident Energy (MeV)

46

MAT 6137

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

61-Pm-143



47

Incident Energy (MeV)

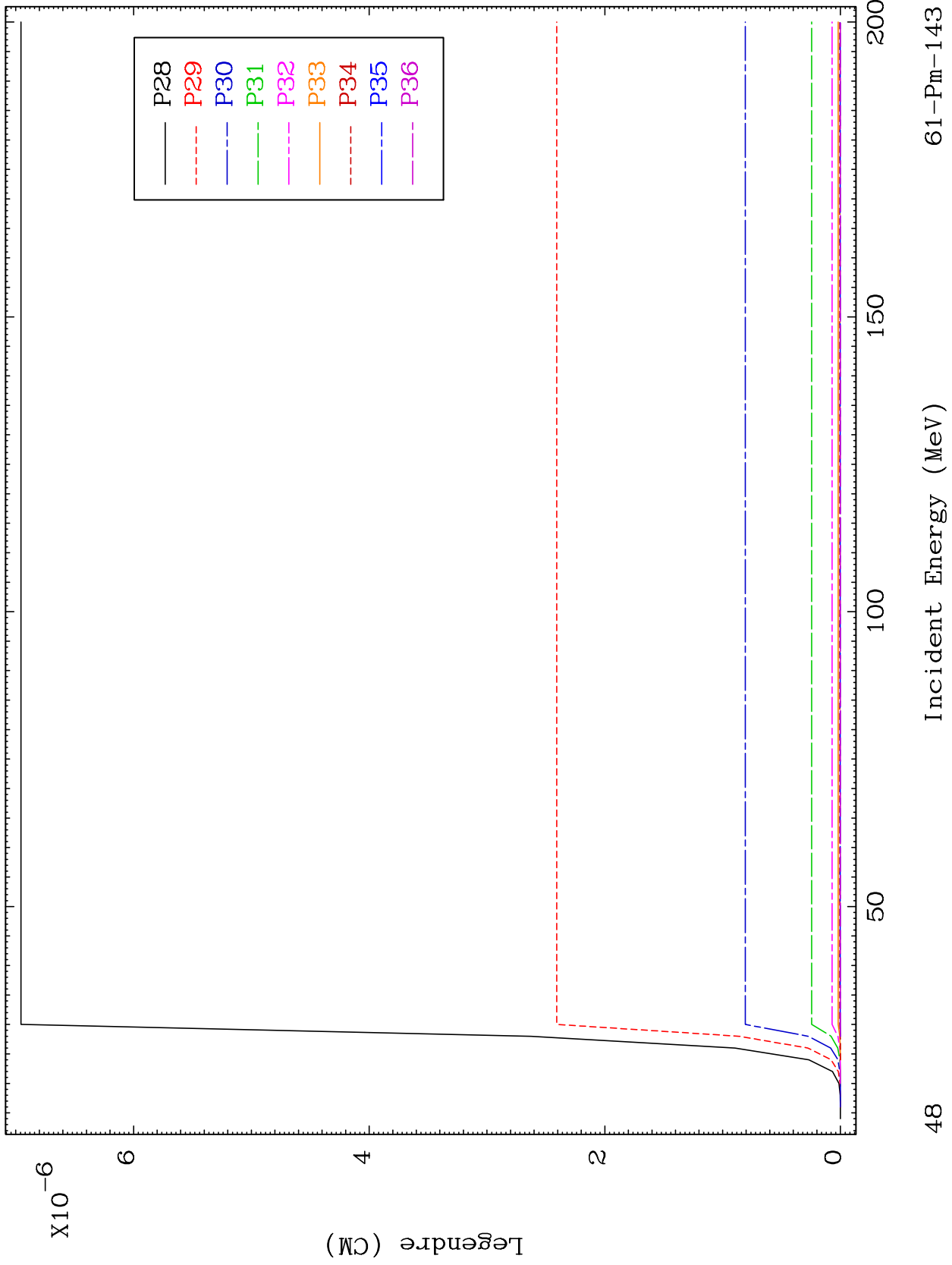
61-Pm-143



MAT 6137

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

61-Pm-143



61-Pm-143

Incident Energy (MeV)

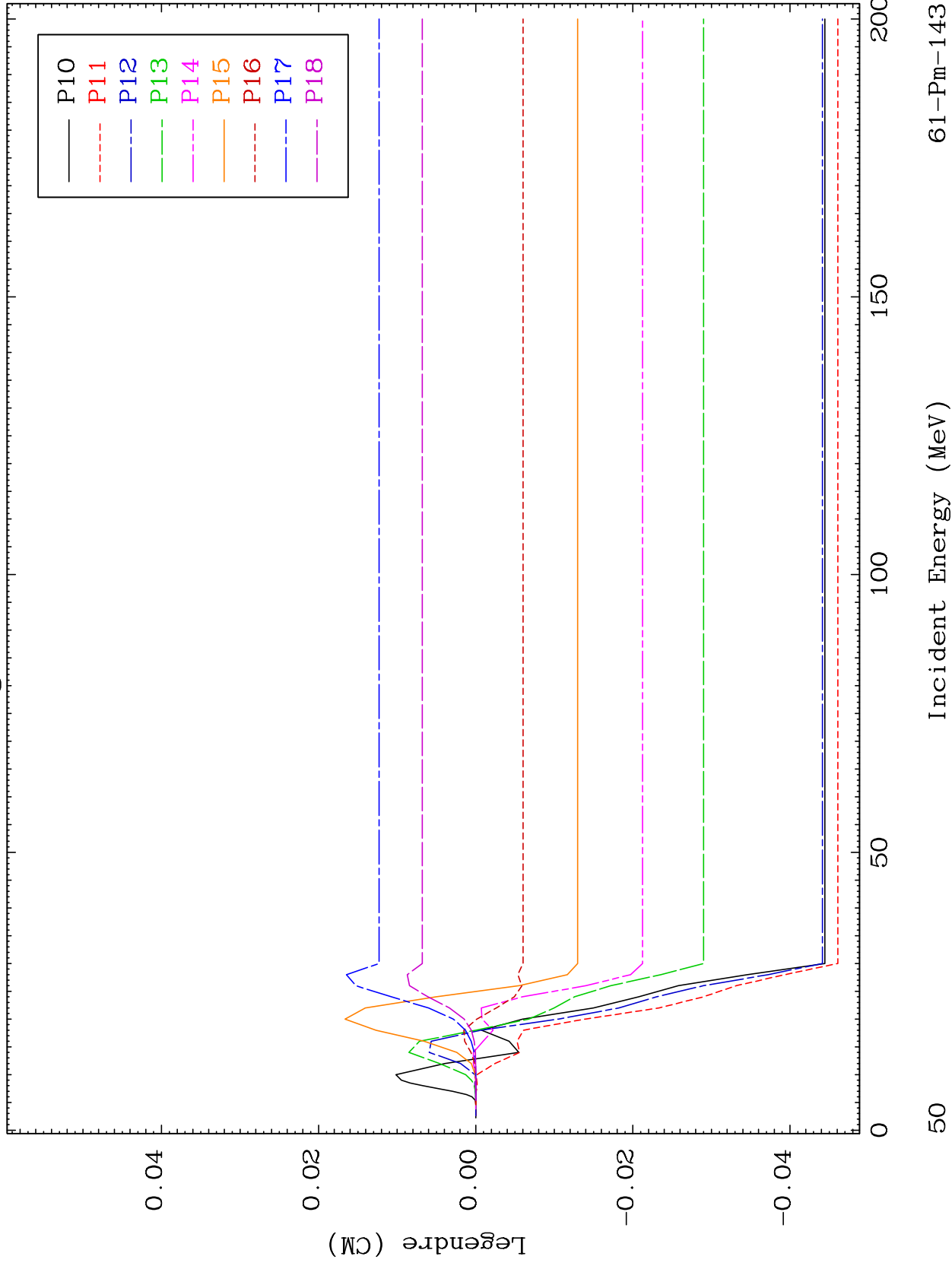
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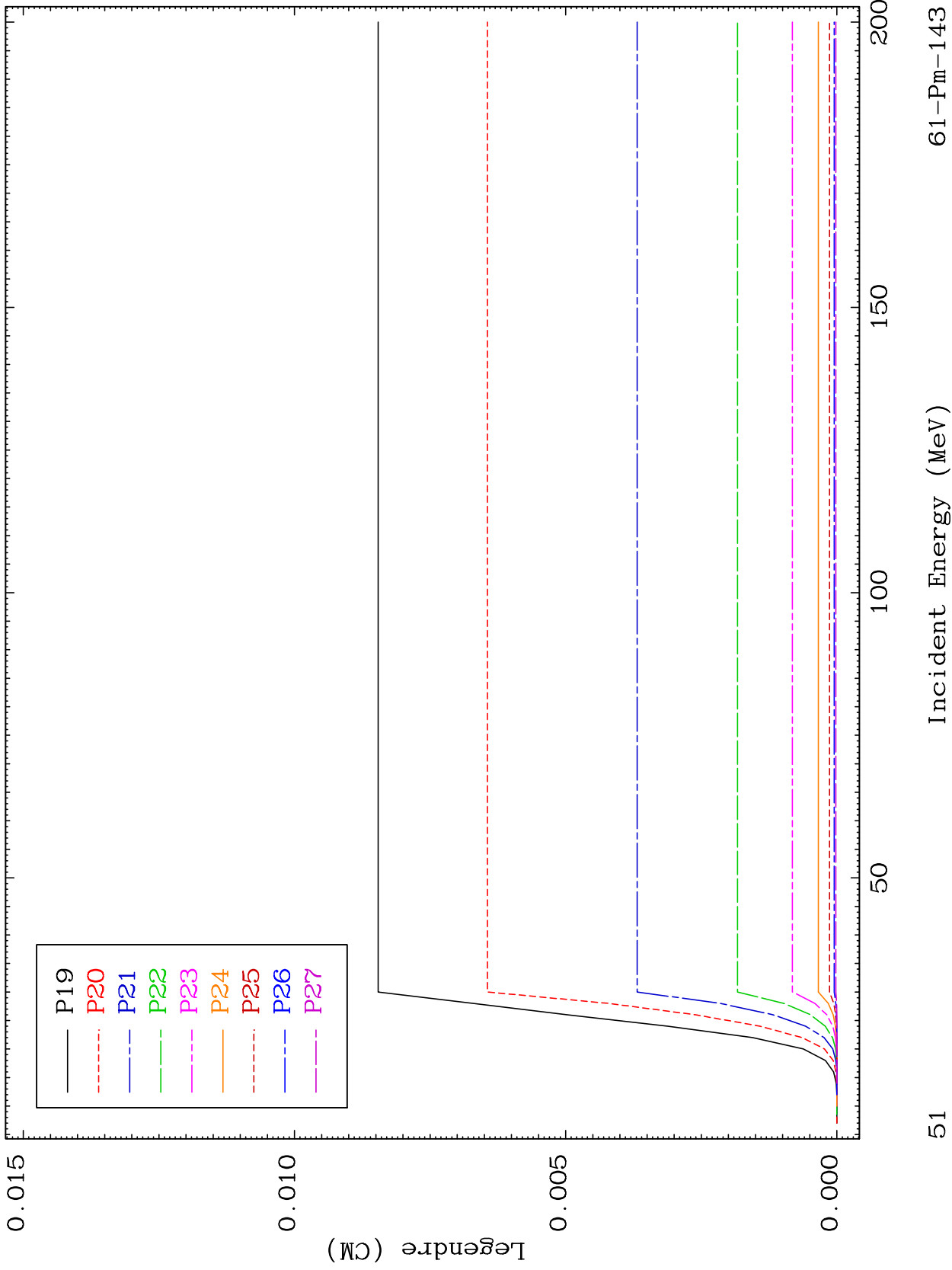


MAT 6137

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

61-Pm-143

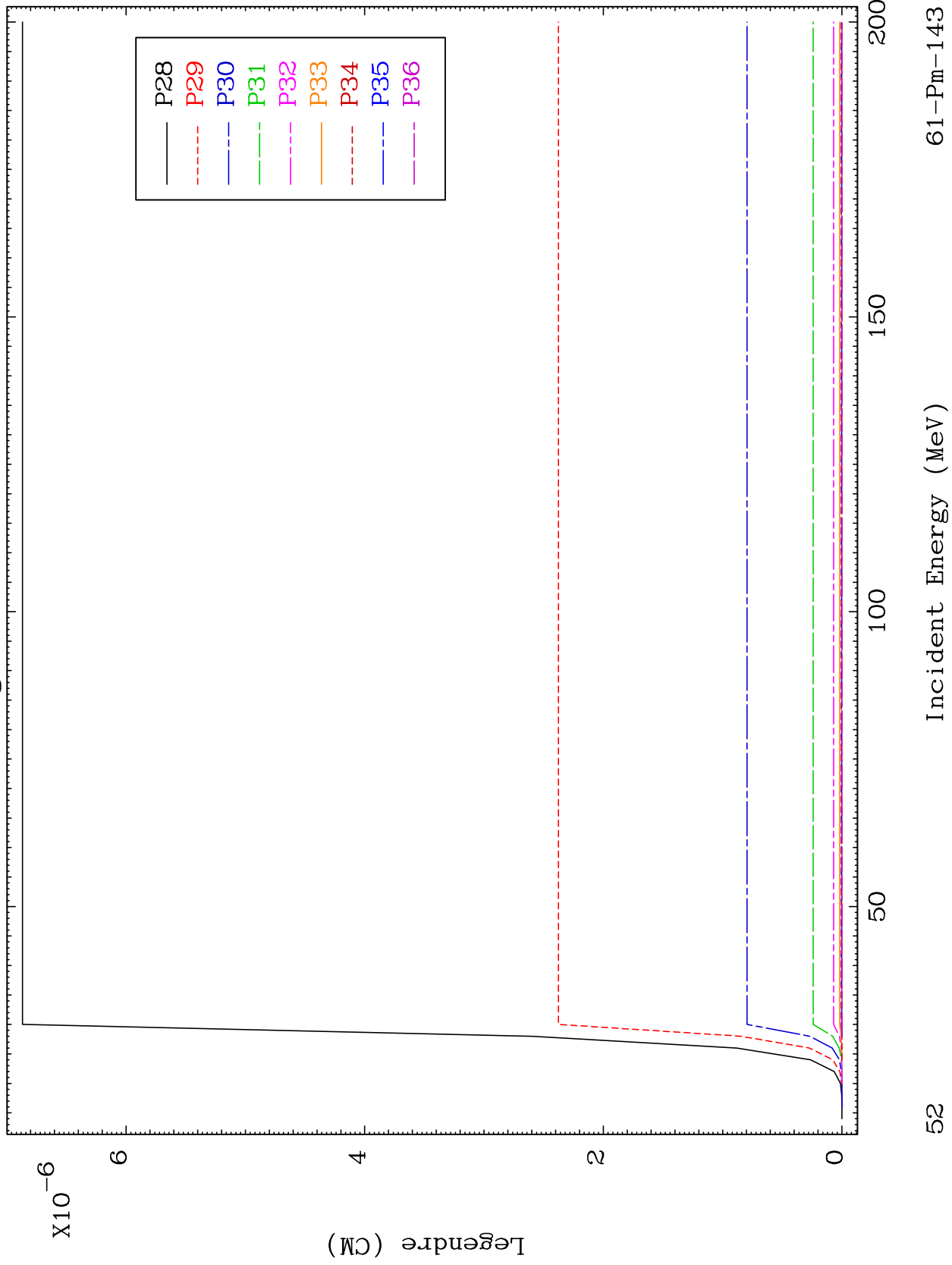




MAT 6137

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

61-Pm-143



52

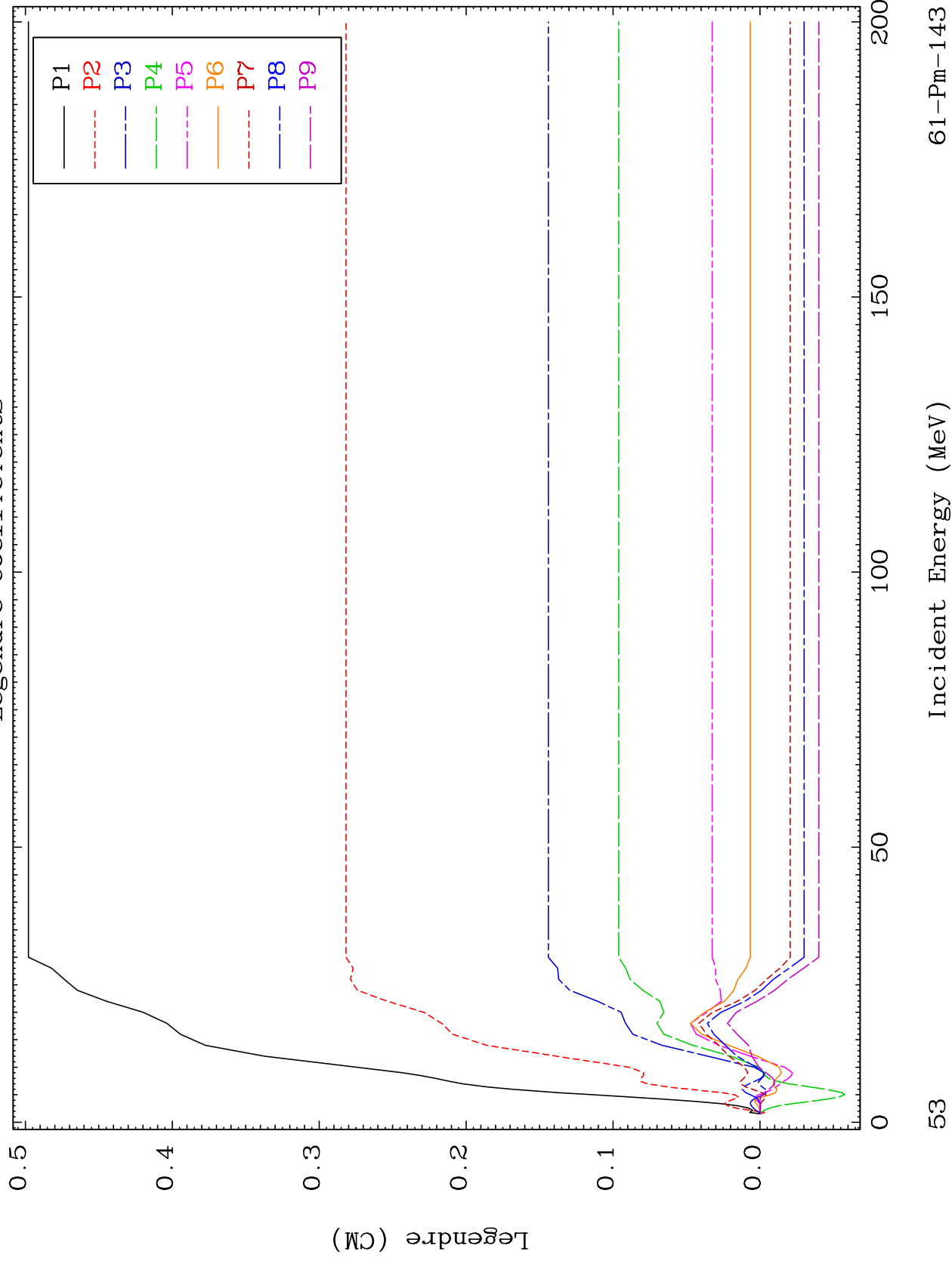
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



61-Pm-143

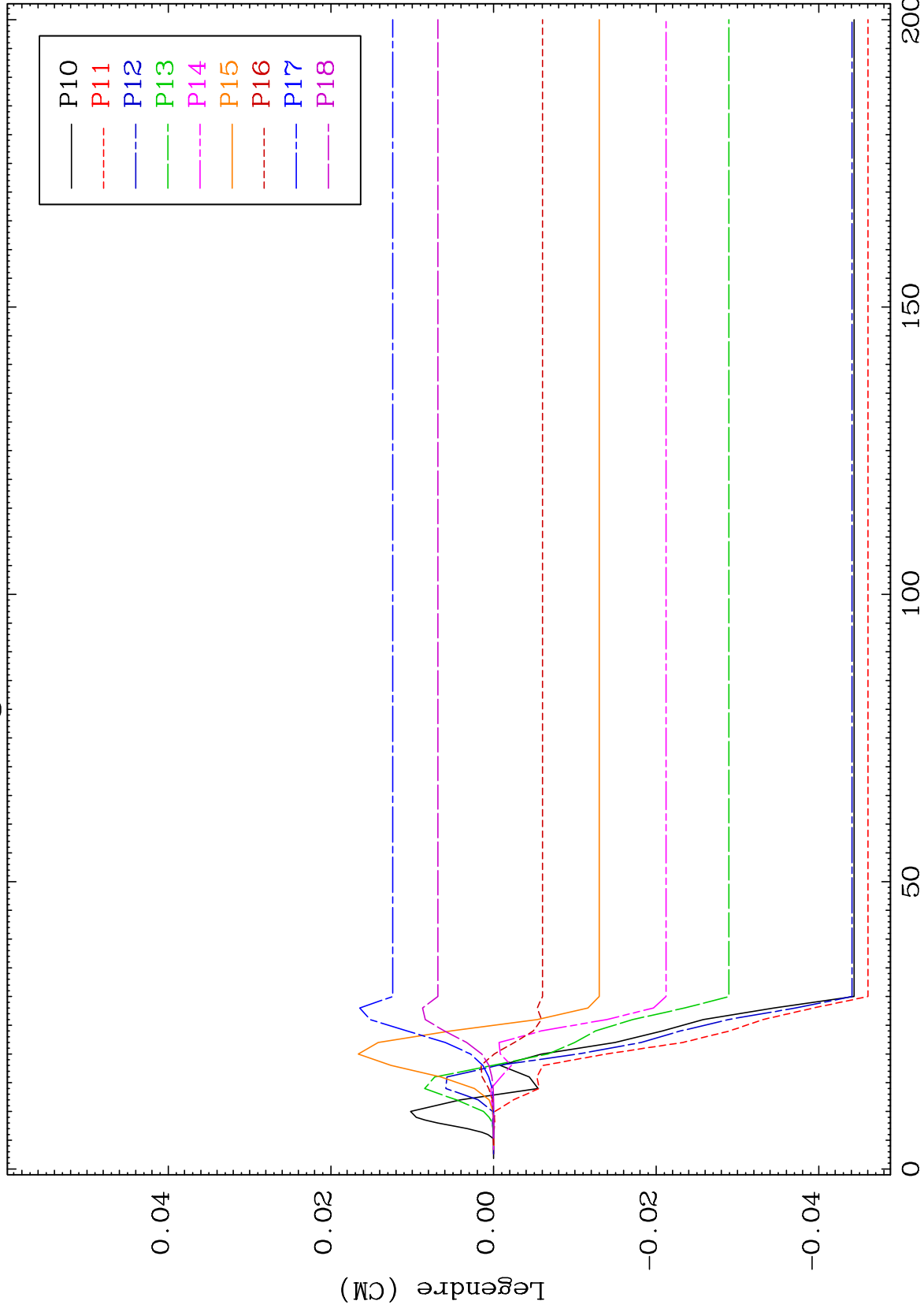
Incident Energy (MeV)

53

MAT 6137

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

61-Pm-143



61-Pm-143

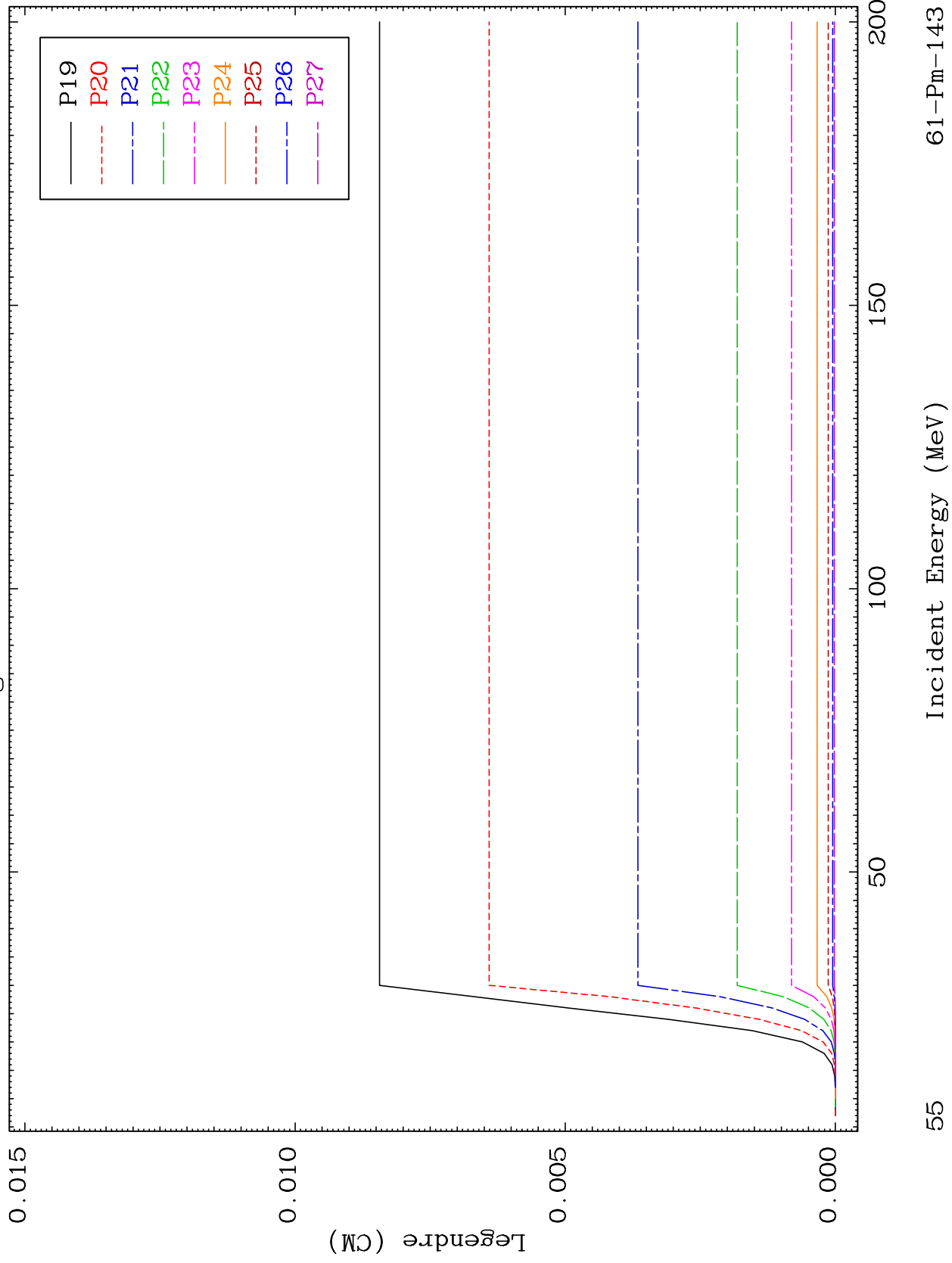
Incident Energy (MeV)

54

MAT 6137

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

61-Pm-143



55

Incident Energy (MeV)

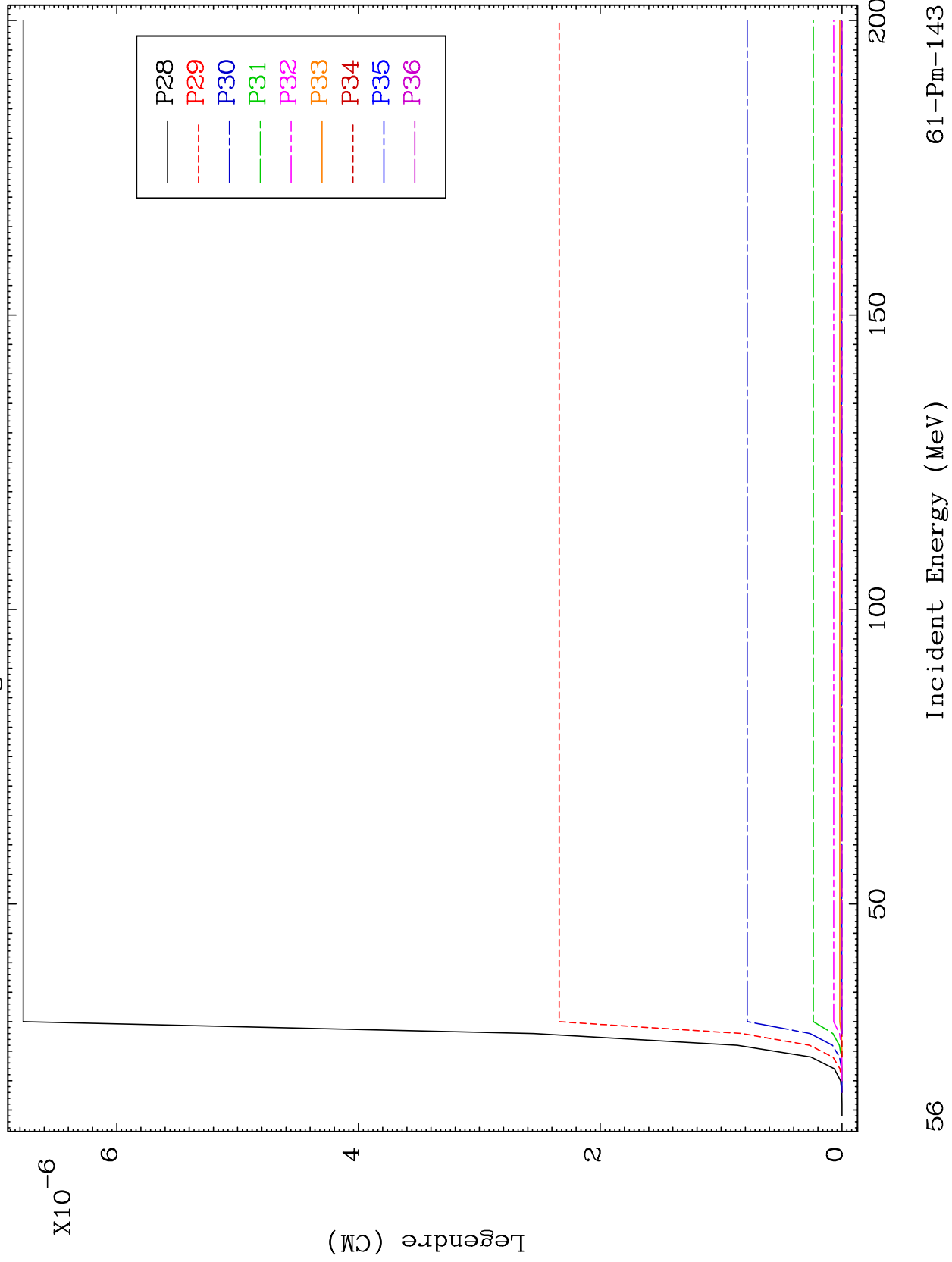
61-Pm-143



MAT 6137

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

61-Pm-143



56

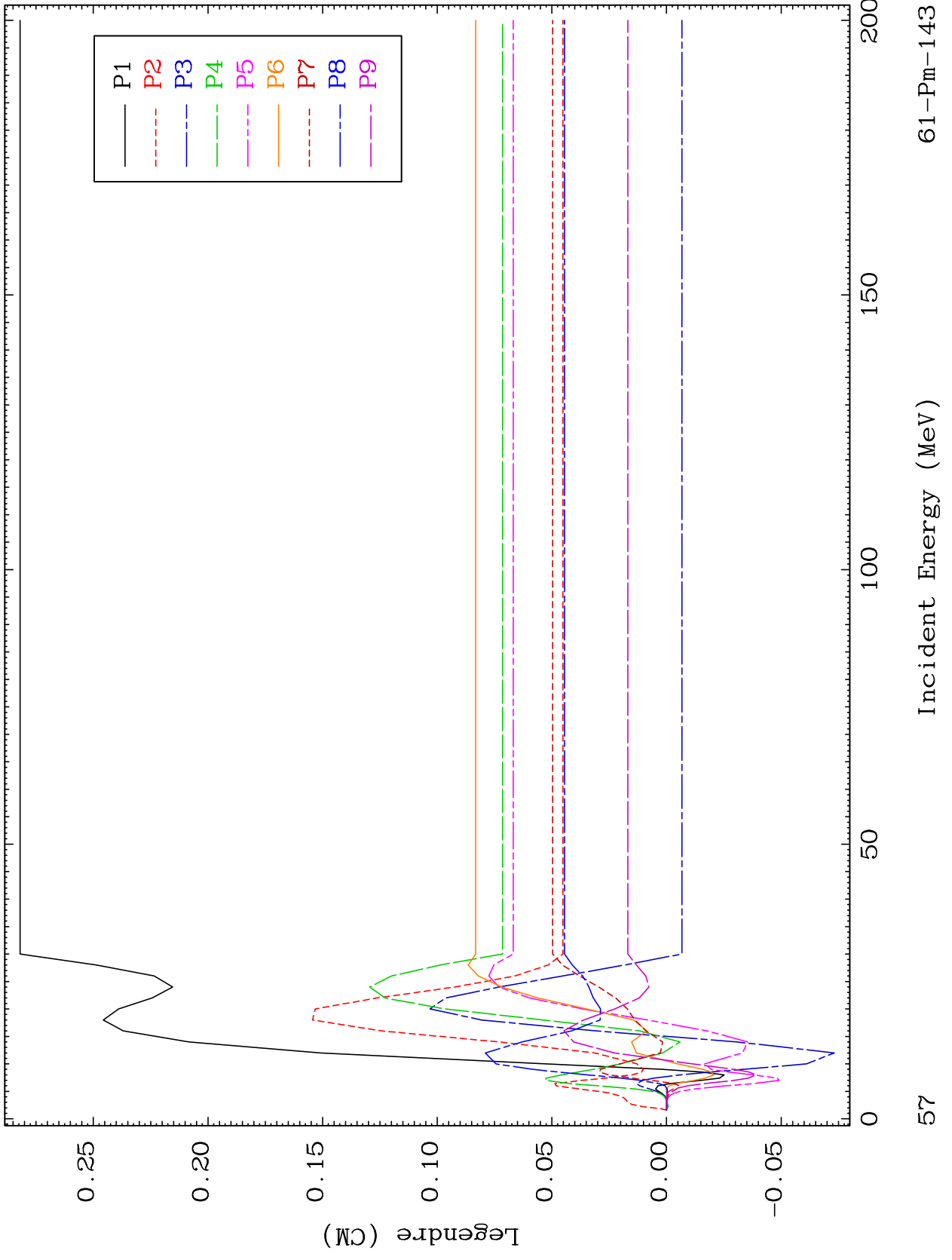
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



61-Pm-143

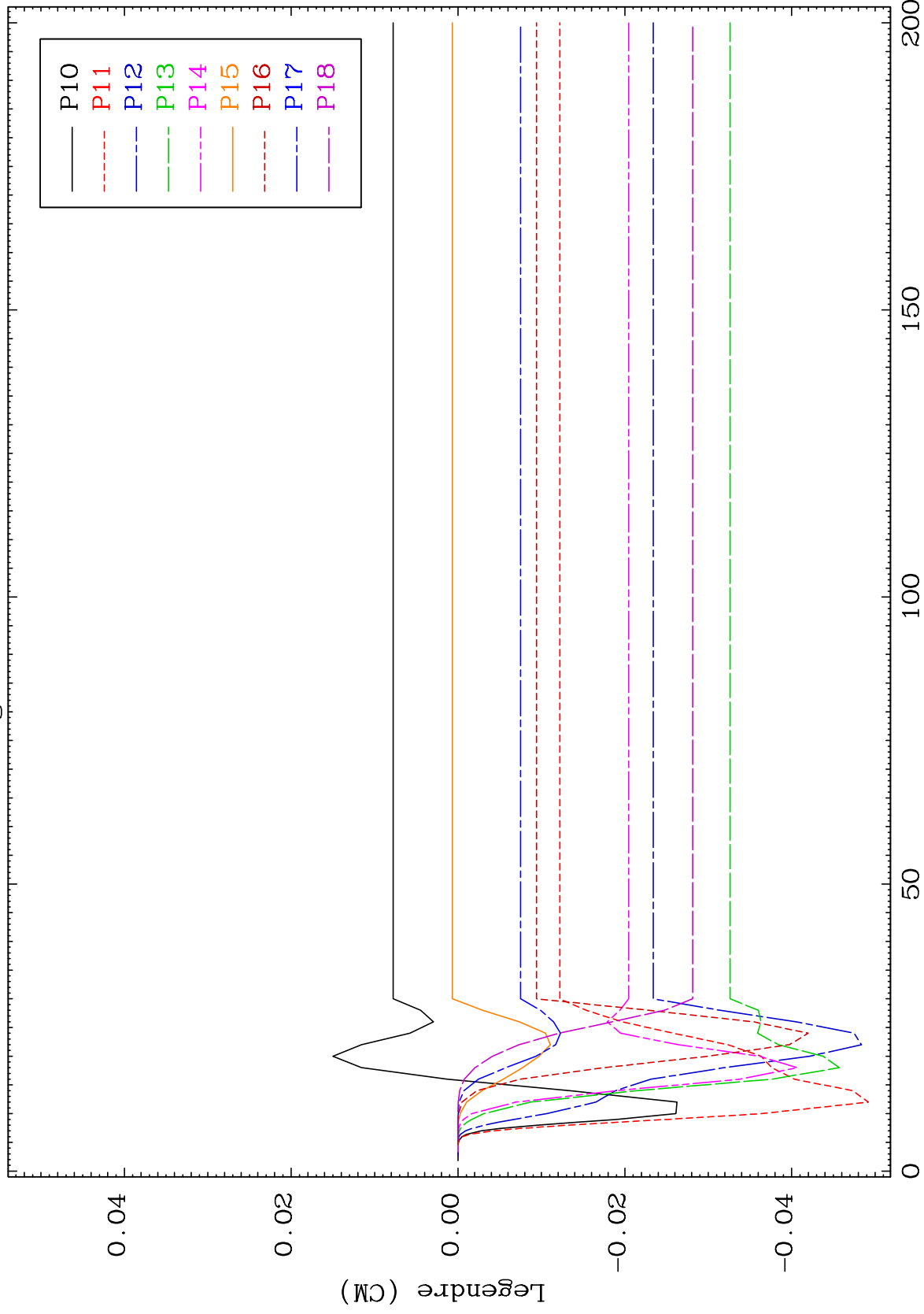
Incident Energy (MeV)

57

MAT 6137

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

61-Pm-143



58

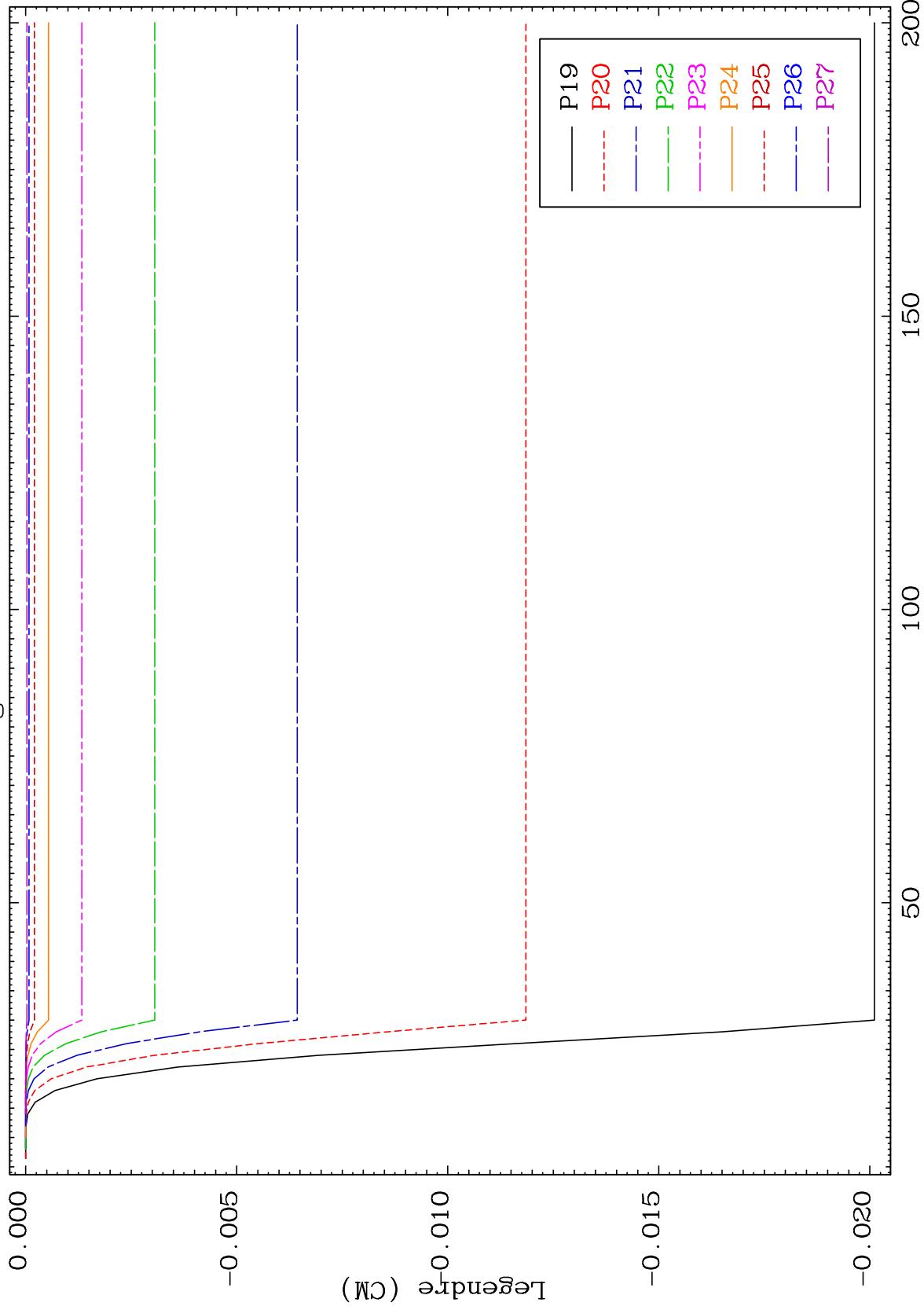
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

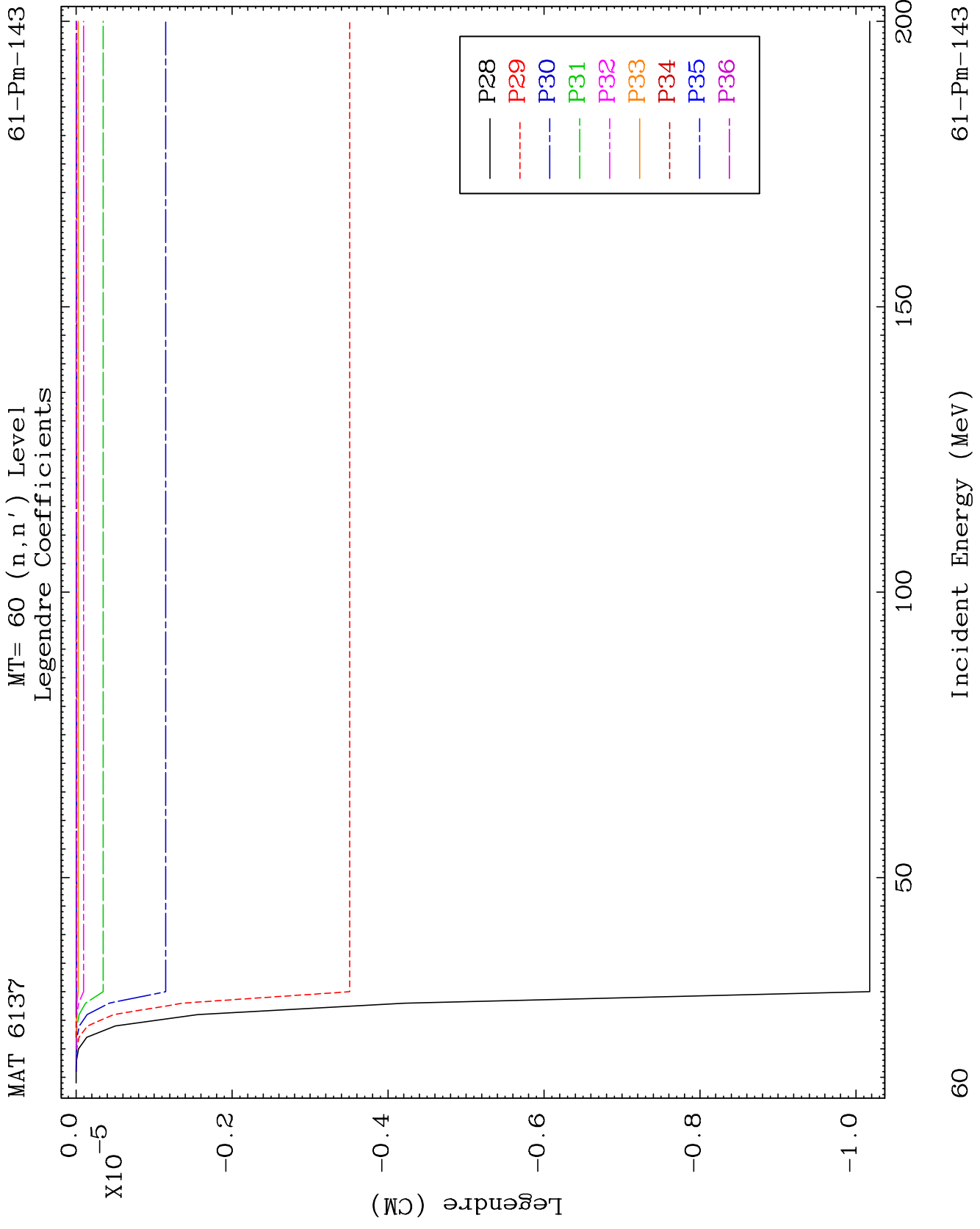
61-Pm-143



59

Incident Energy (MeV)

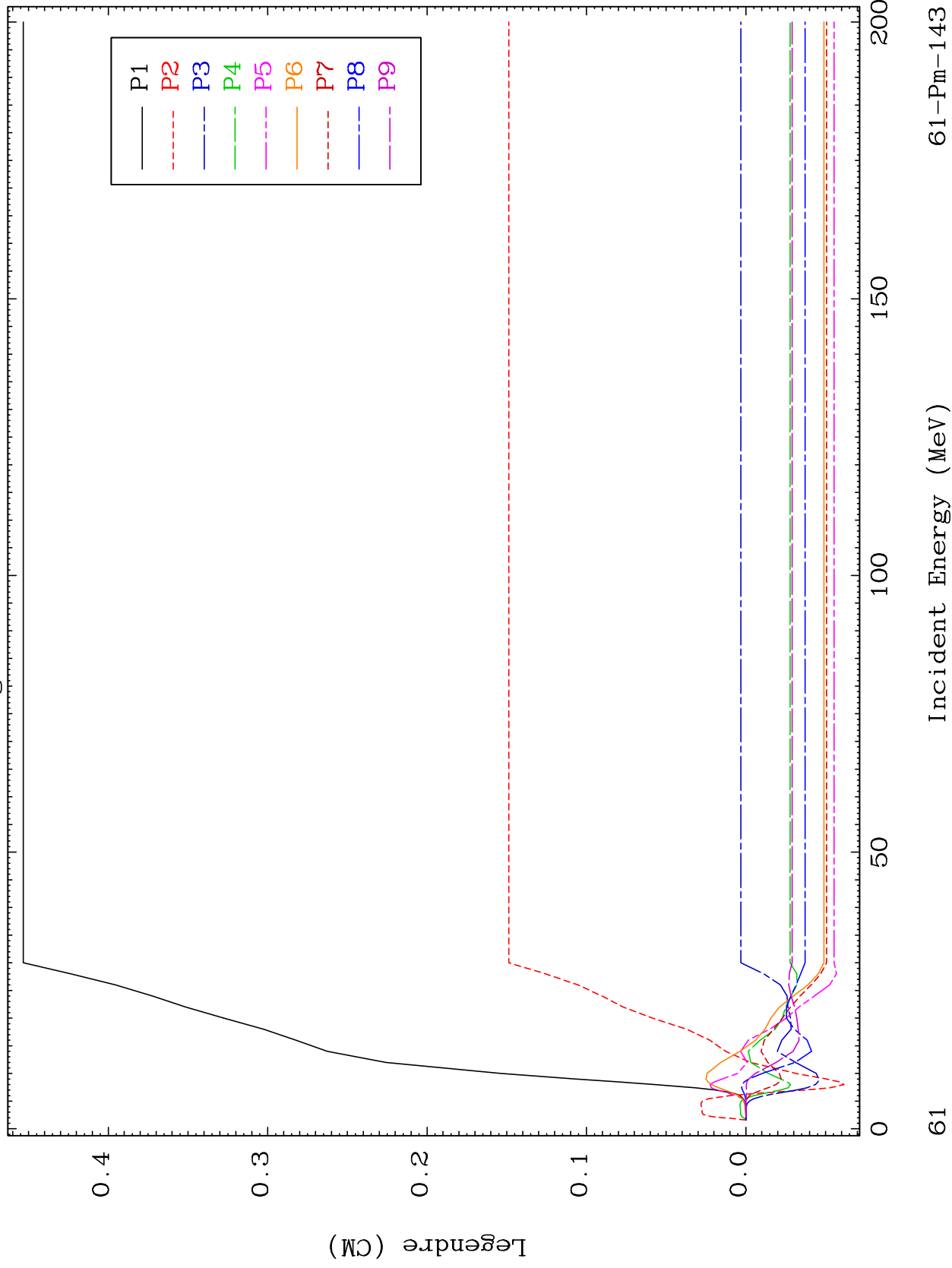
61-Pm-143



MAT 6137

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

61-Pm-143



61-Pm-143

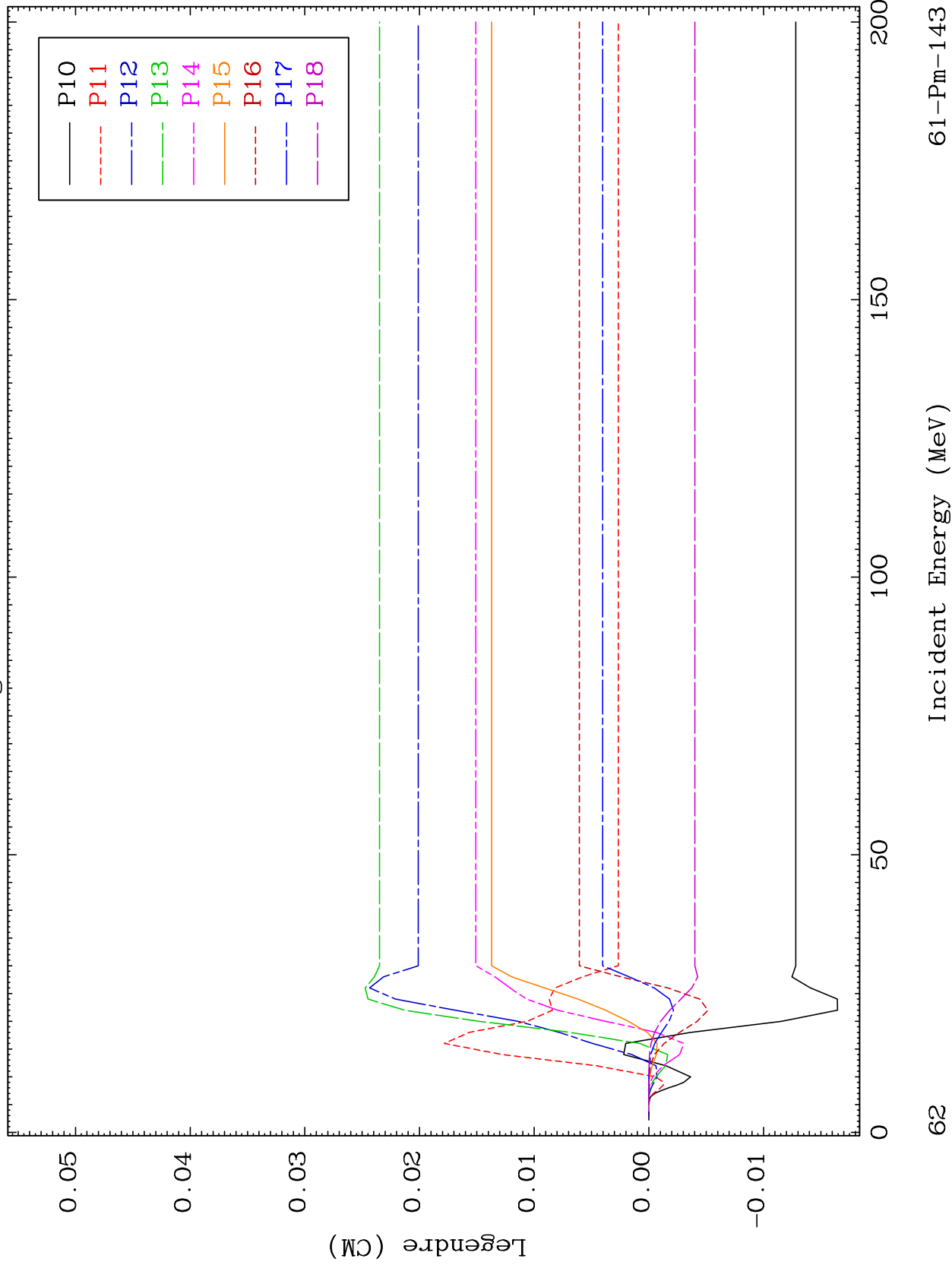
Incident Energy (MeV)

61

MAT 6137

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

61-Pm-143



61-Pm-143

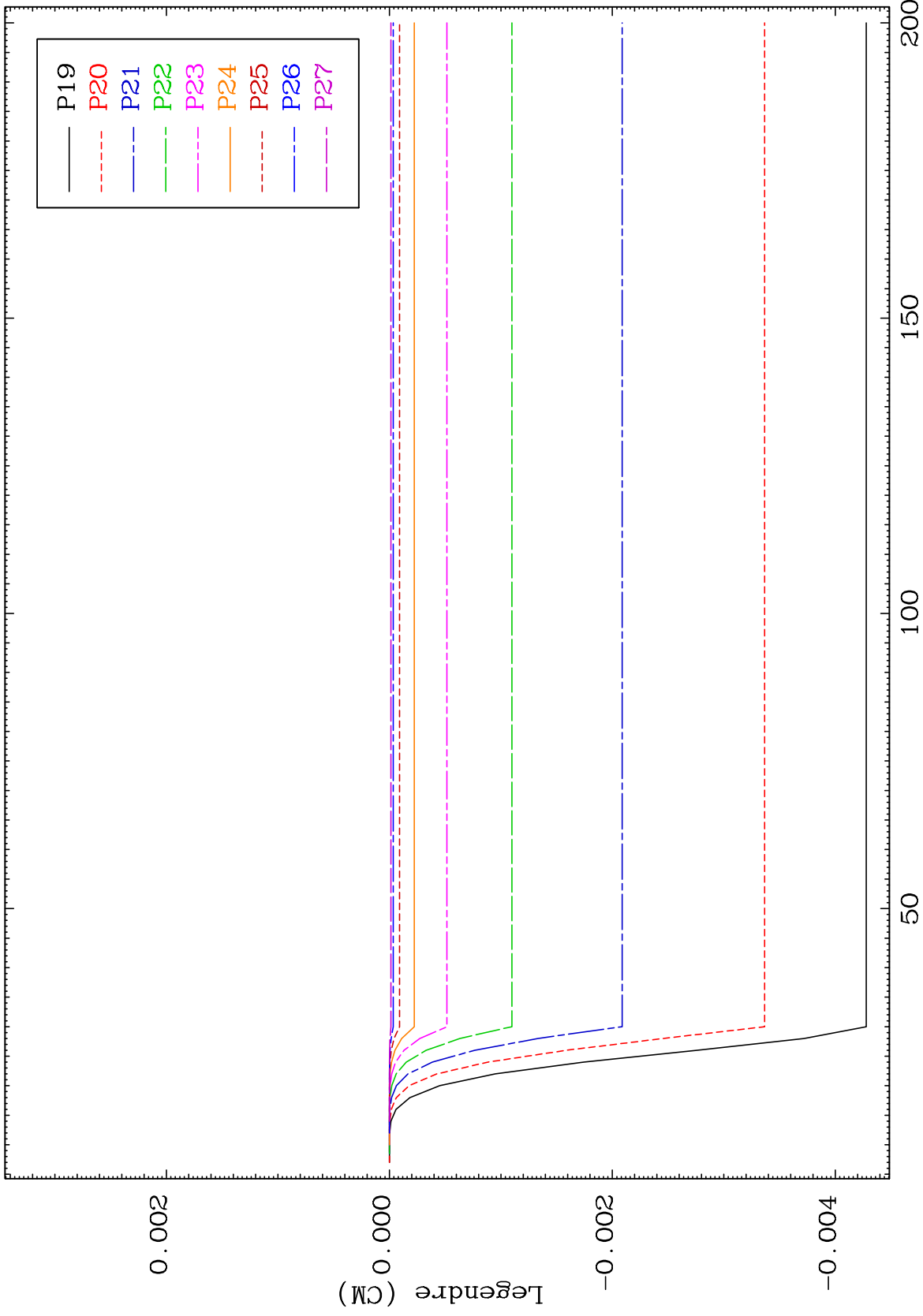
Incident Energy (MeV)

62

MAT 6137

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

61-Pm-143



63

Incident Energy (MeV)

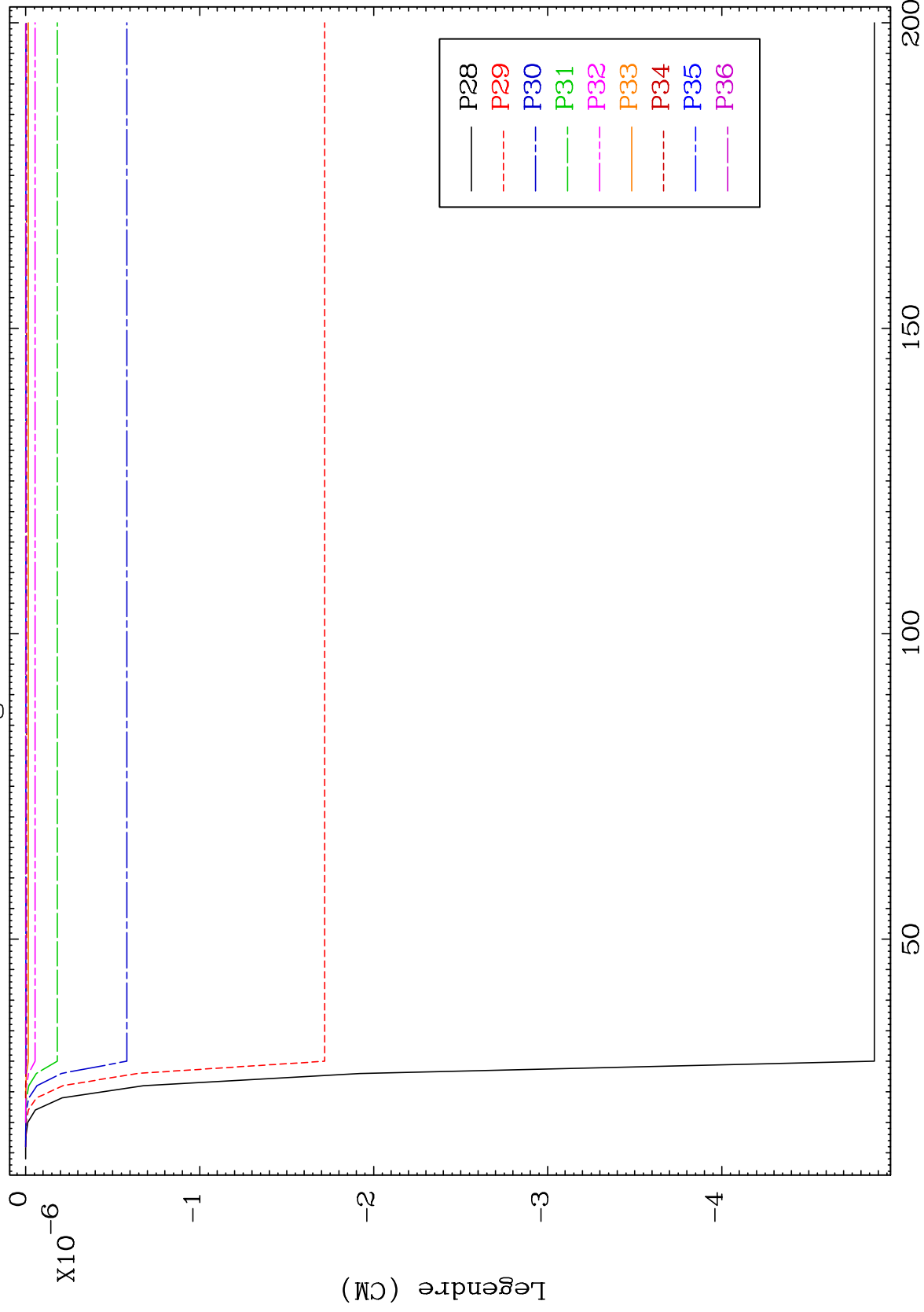
61-Pm-143



MAT 6137

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

61-Pm-143



64

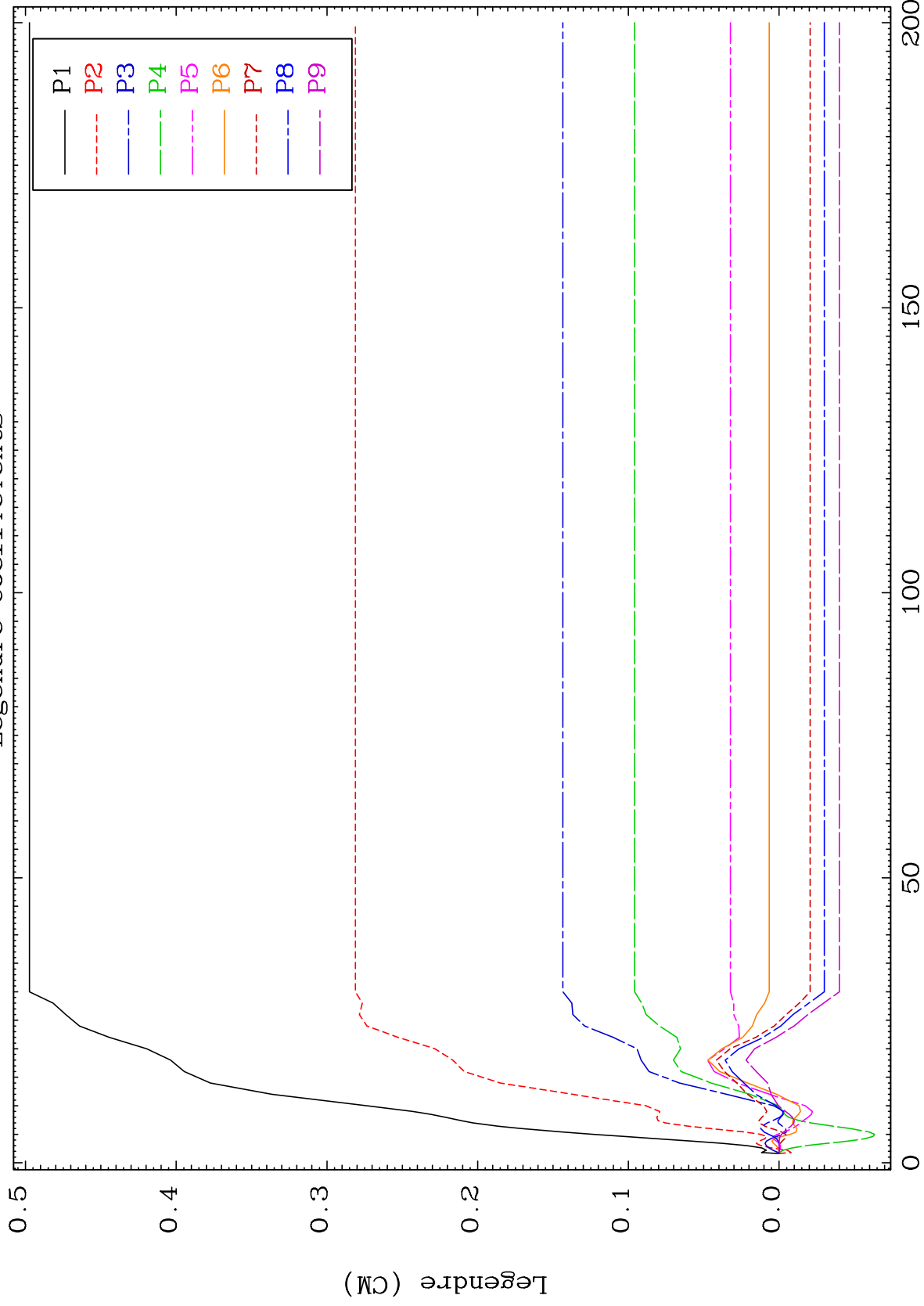
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



61-Pm-143

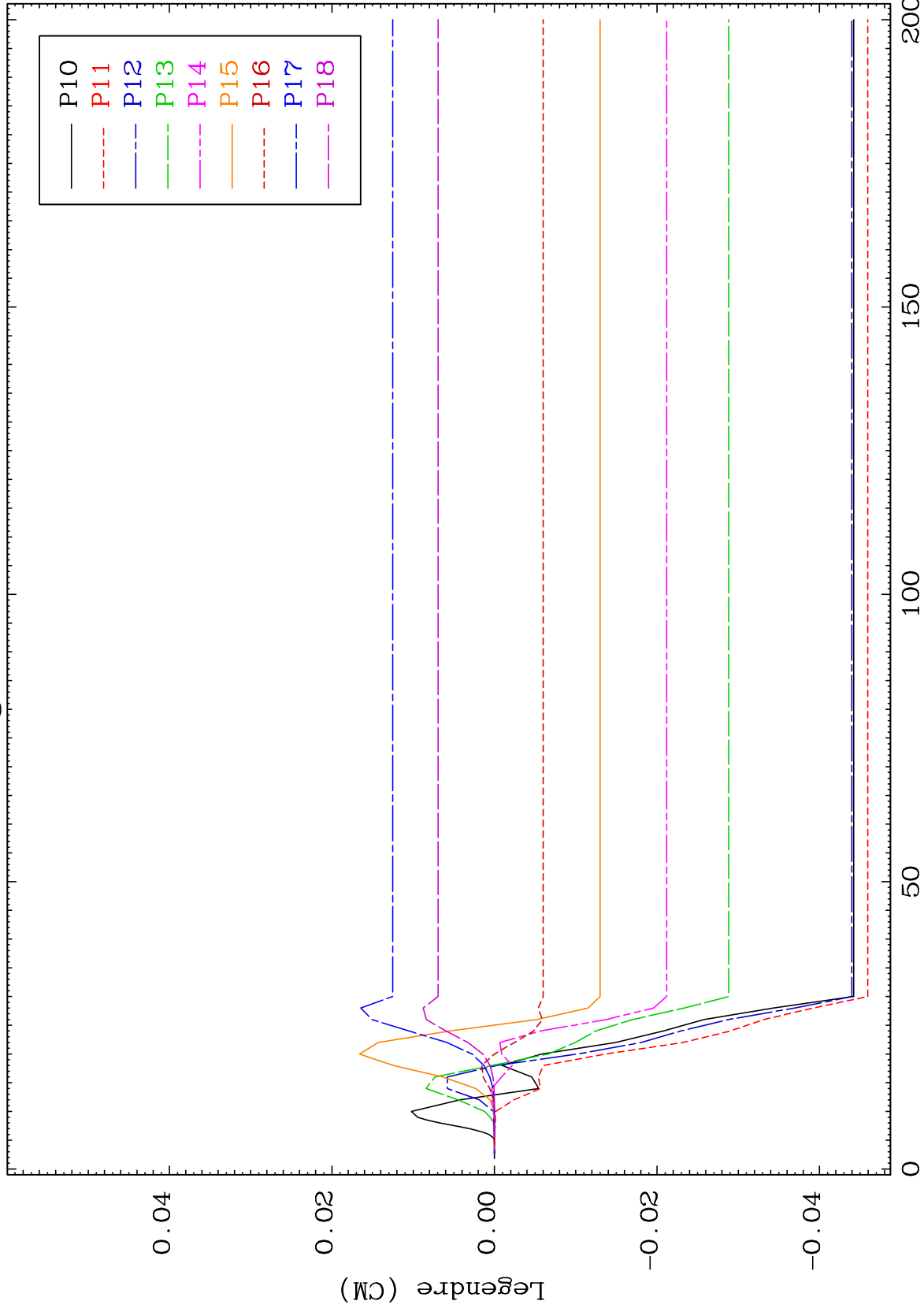
Incident Energy (MeV)

65

MAT 6137

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

61-Pm-143



66

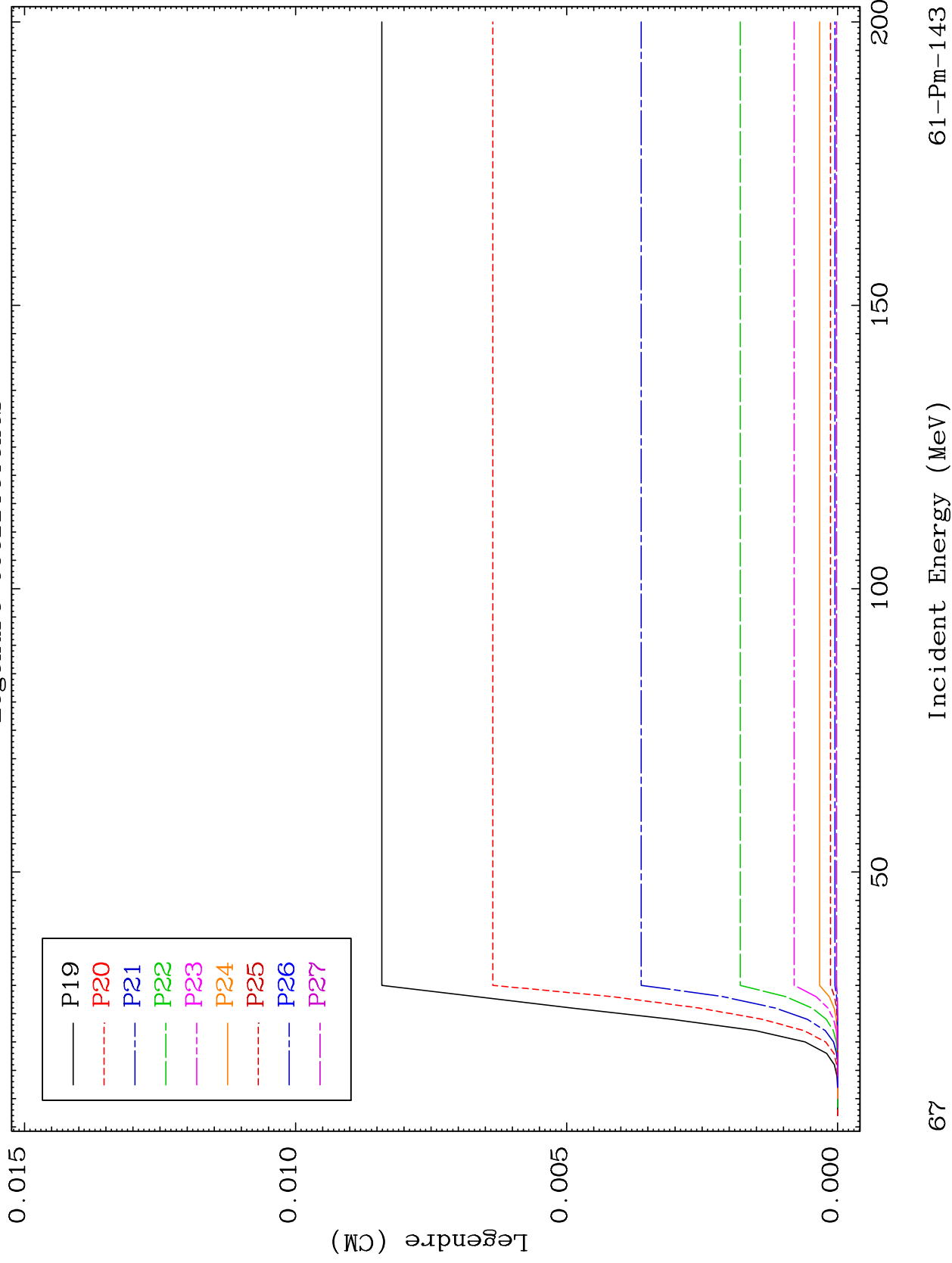
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



67

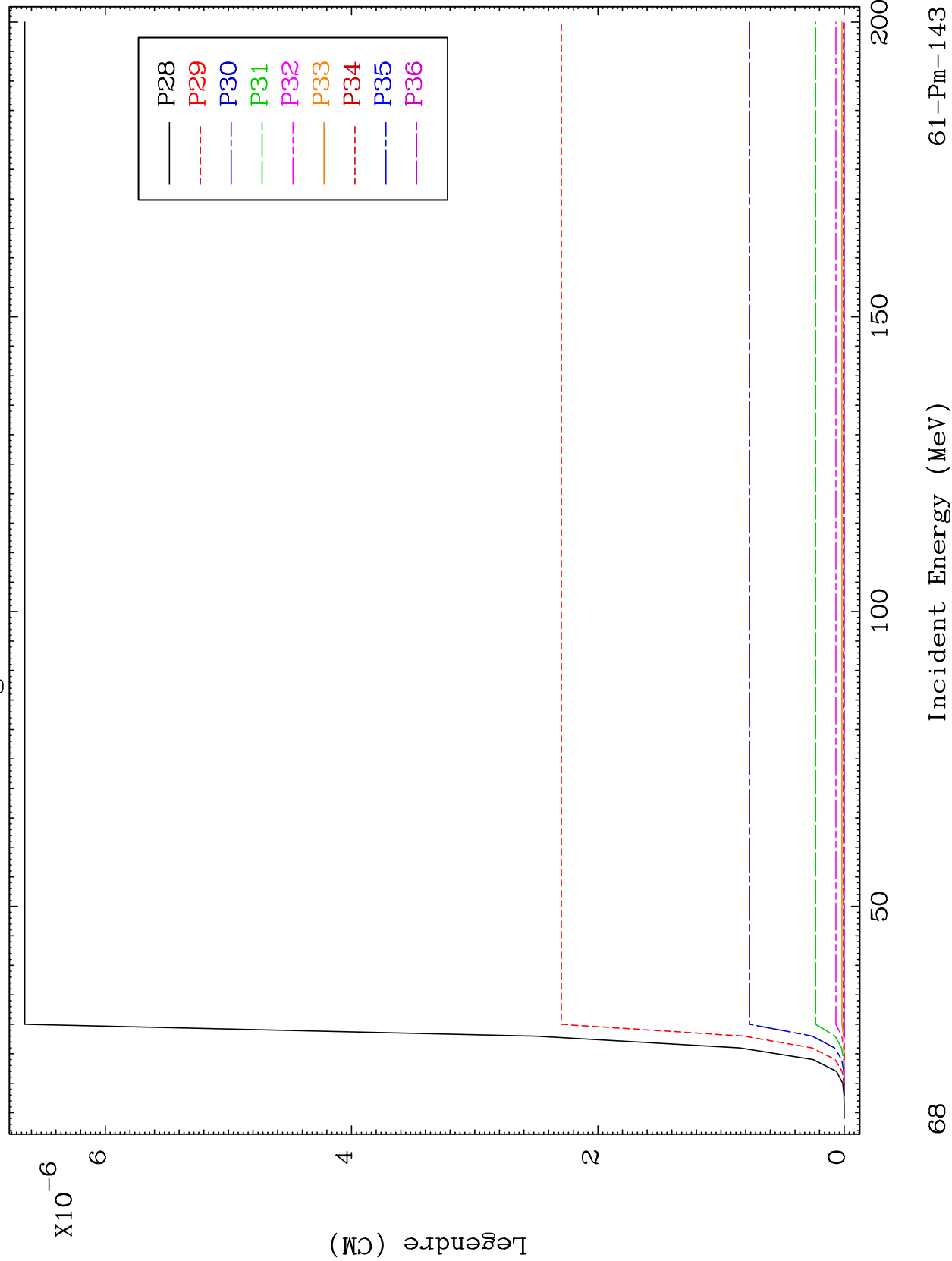
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



61-Pm-143

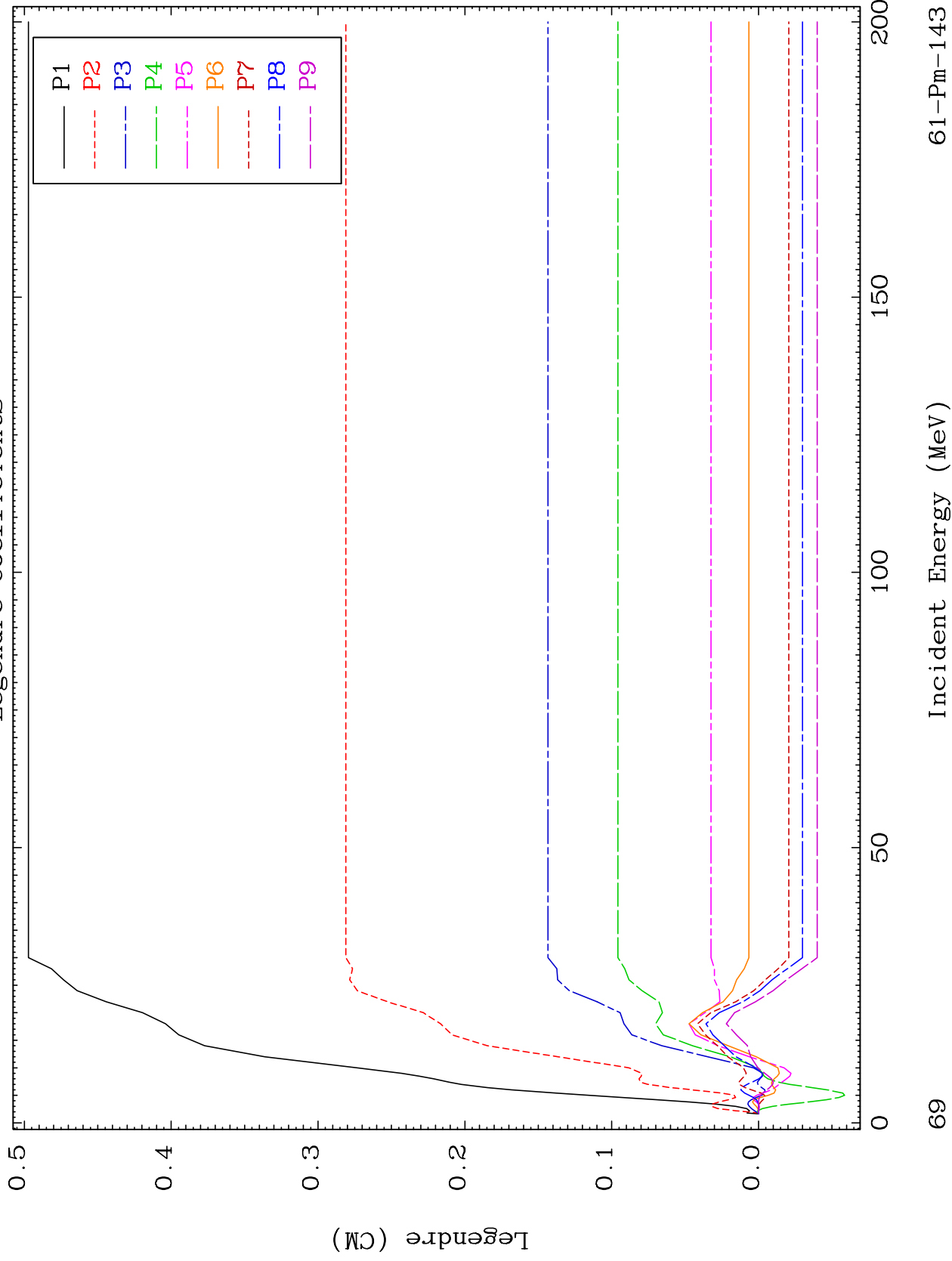
Incident Energy (MeV)

68

MAT 6137

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

61-Pm-143



61-Pm-143

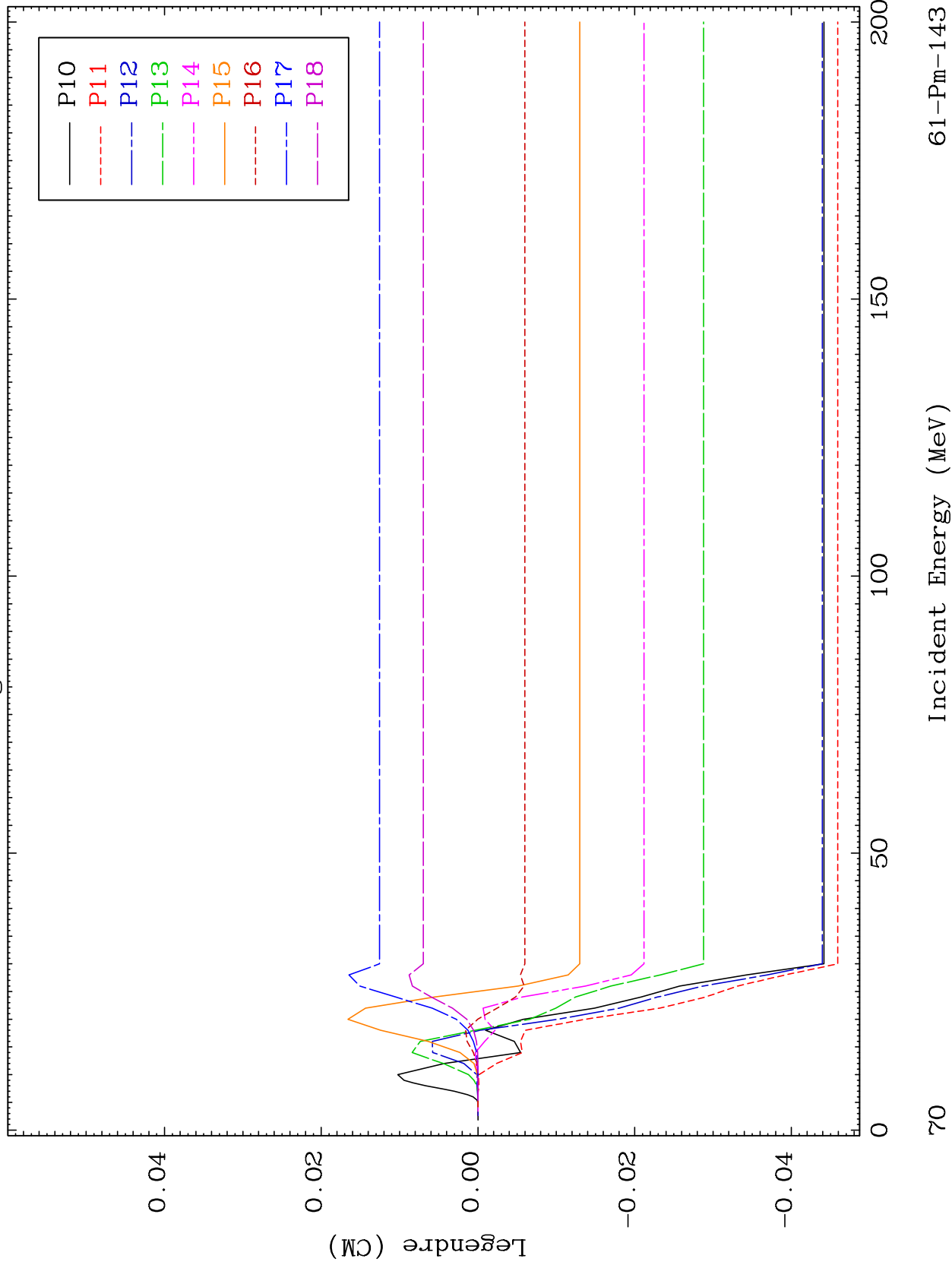
Incident Energy (MeV)

69

MAT 6137

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

61-Pm-143



61-Pm-143

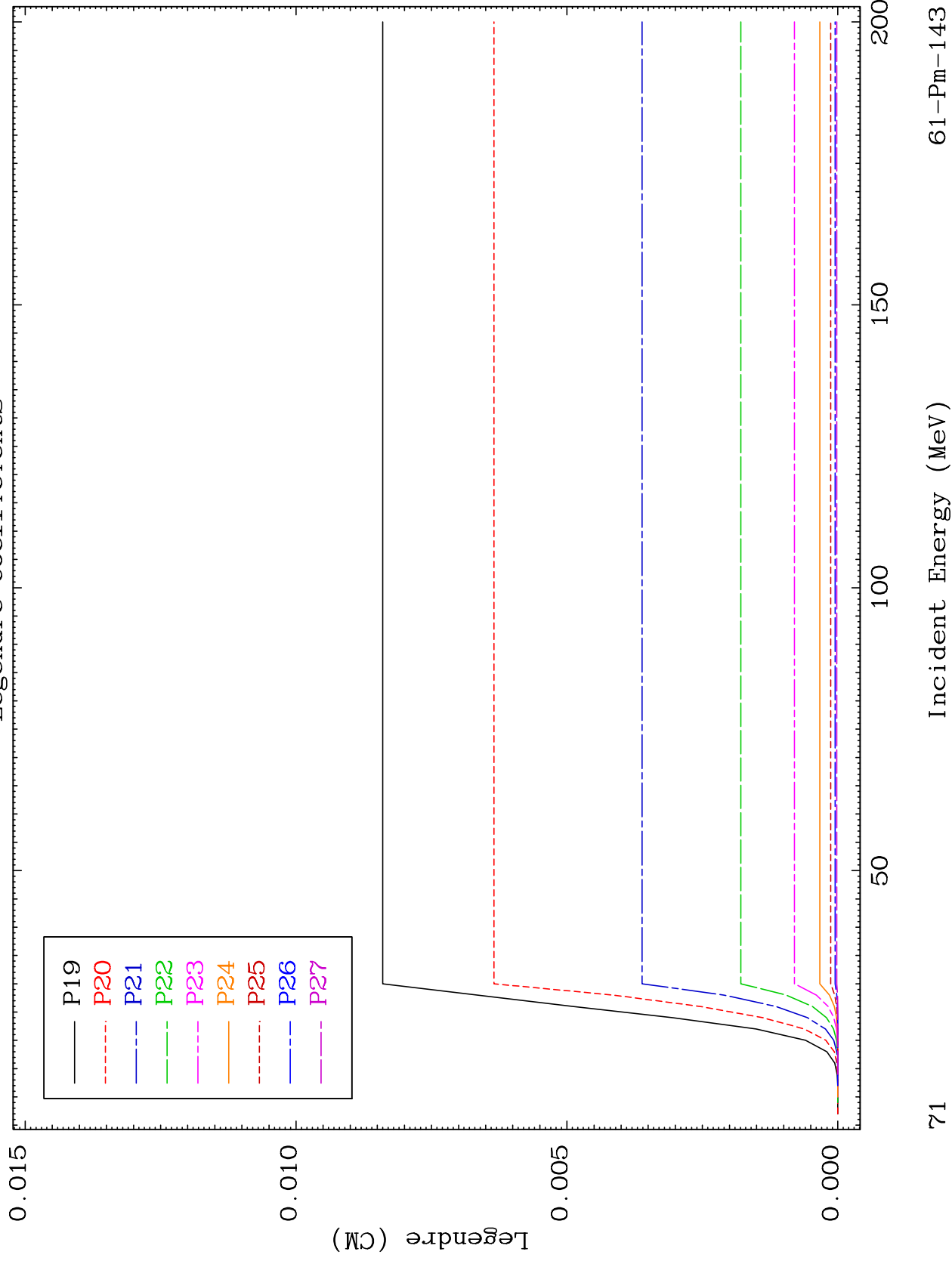
Incident Energy (MeV)

70

MAT 6137

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

61-Pm-143



71

Incident Energy (MeV)

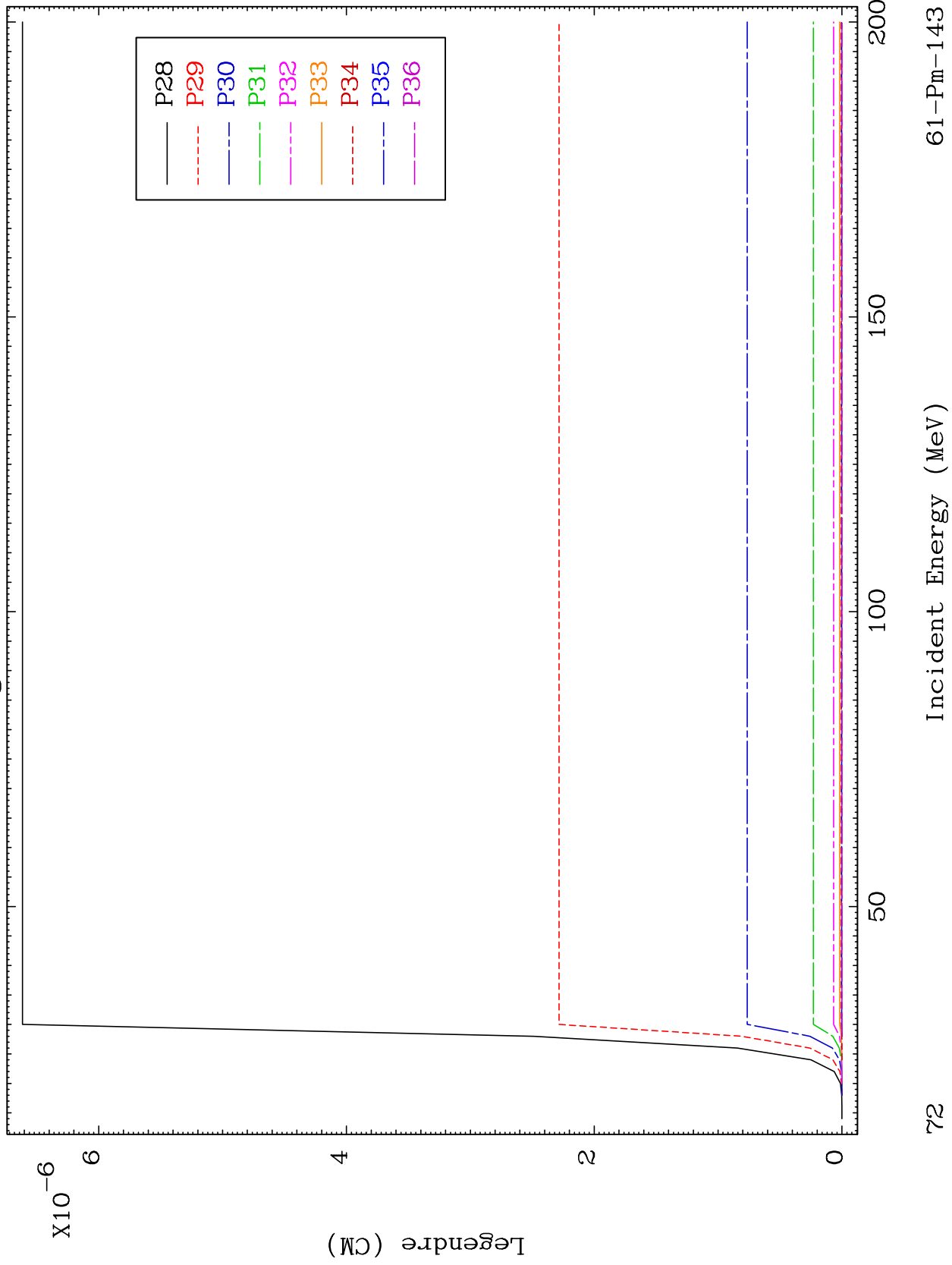
61-Pm-143



MAT 6137

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

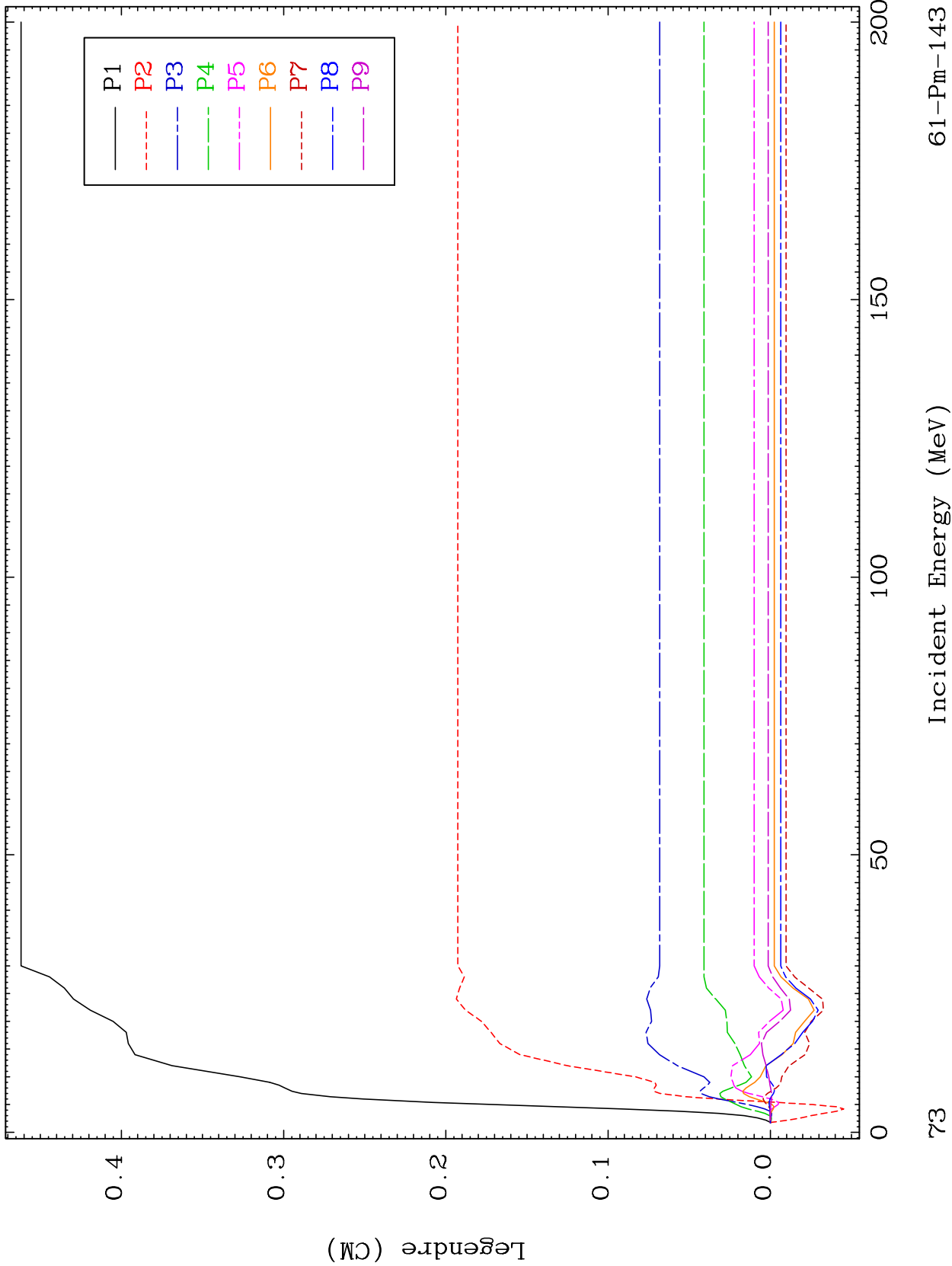
61-Pm-143



MAT 6137

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

61-Pm-143



61-Pm-143

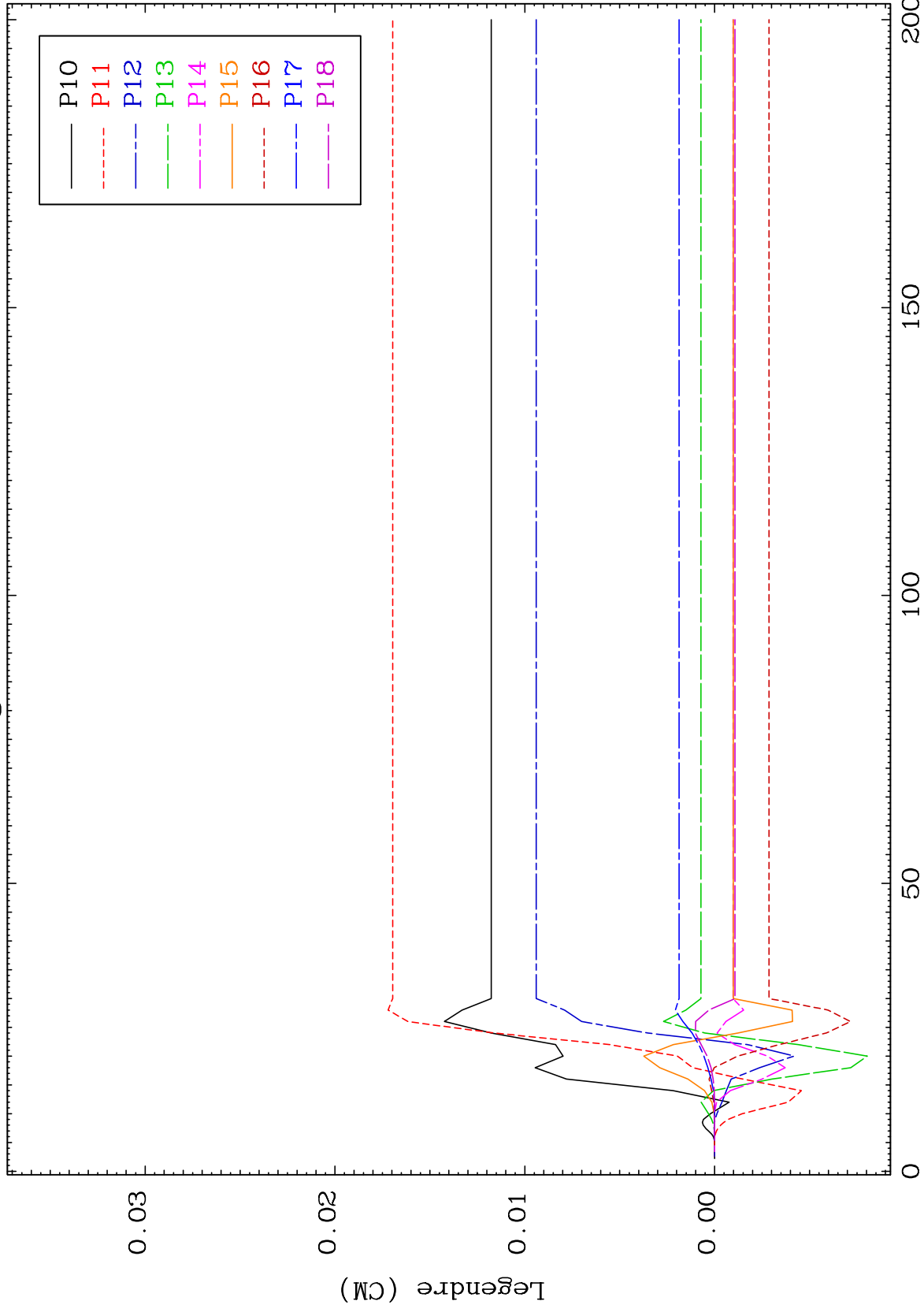
Incident Energy (MeV)

73

MAT 6137

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

61-Pm-143



74

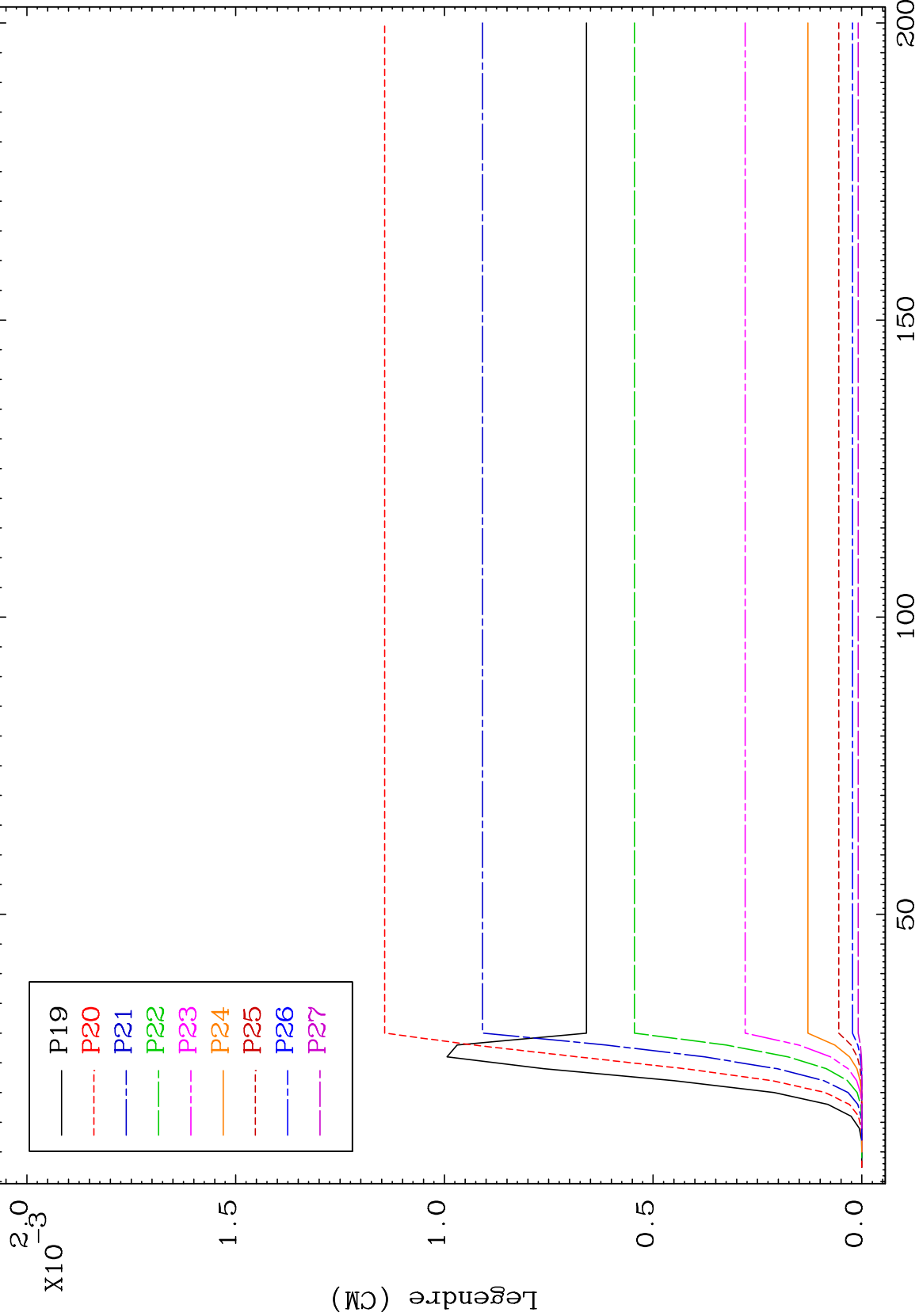
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



75

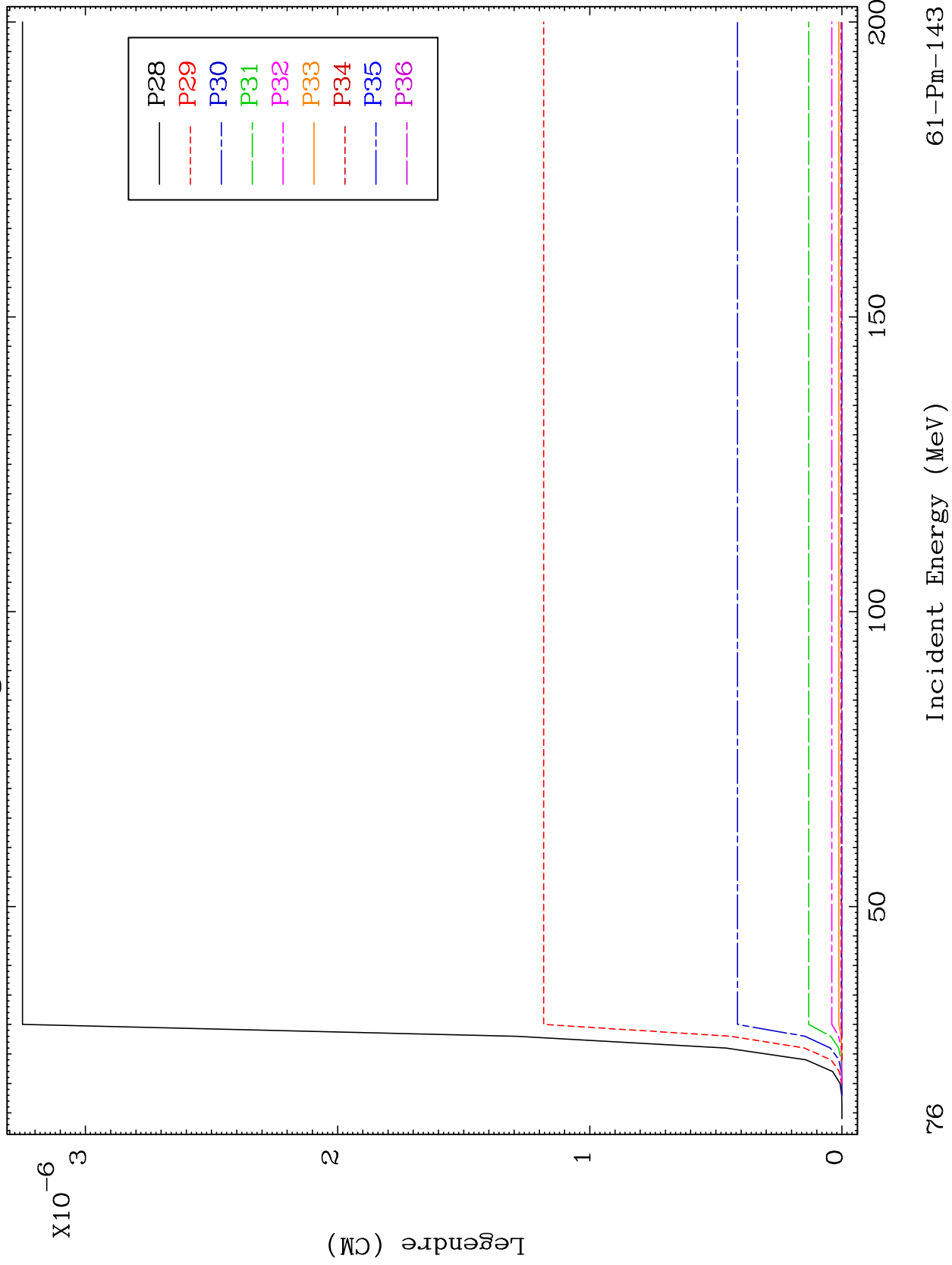
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

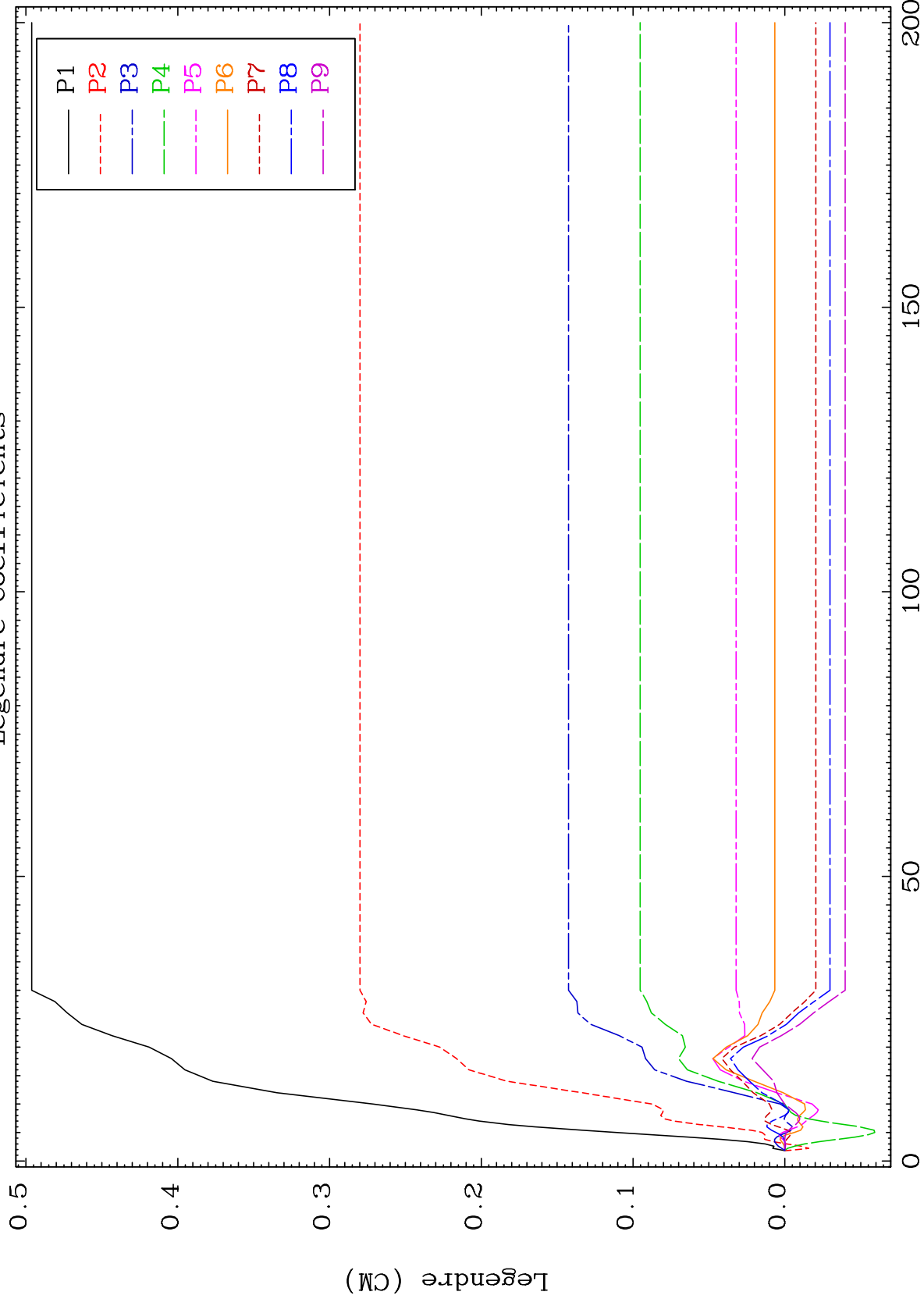
61-Pm-143



MAT 6137

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

61-Pm-143



77

Incident Energy (MeV)

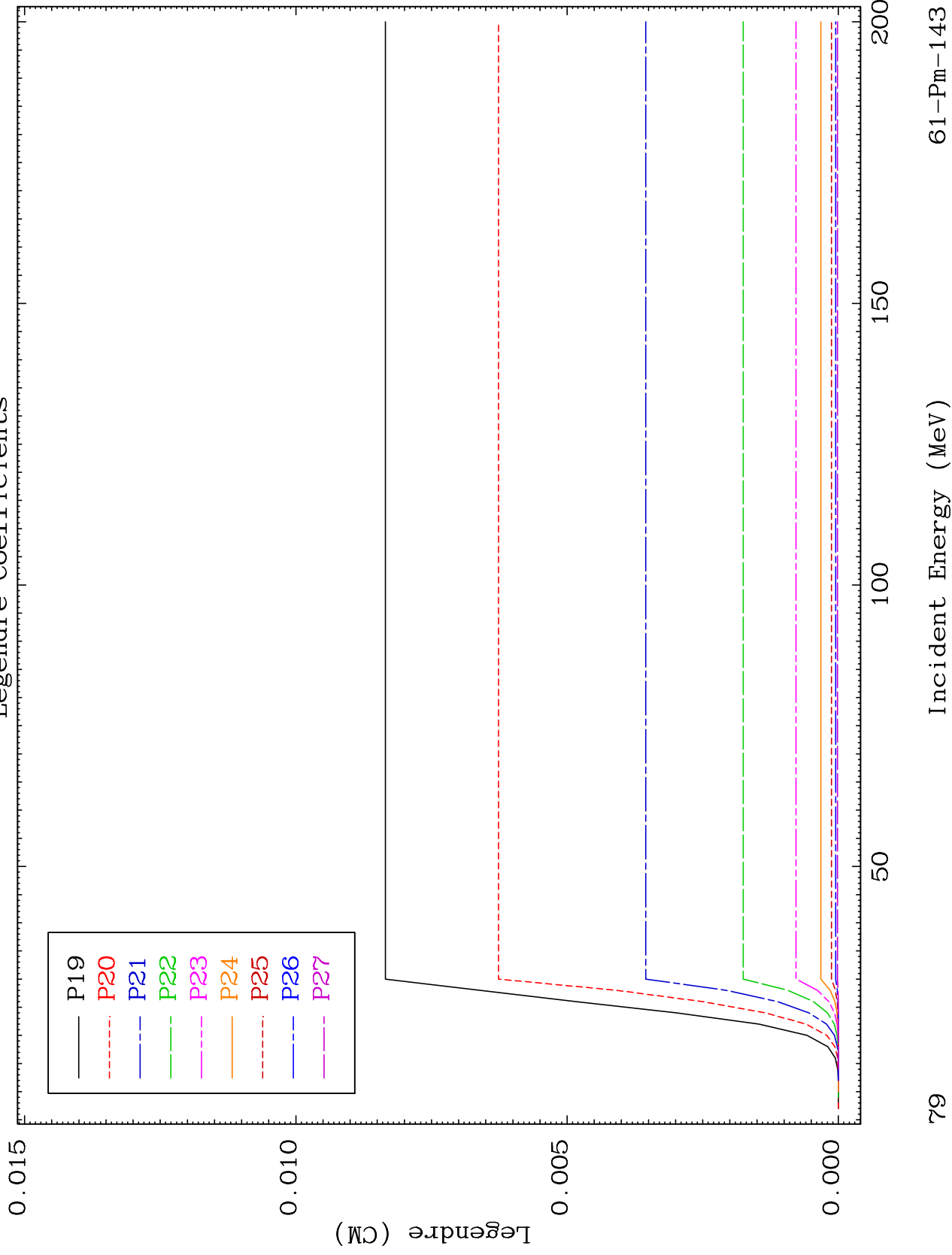
61-Pm-143



MAT 6137

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

61-Pm-143



79

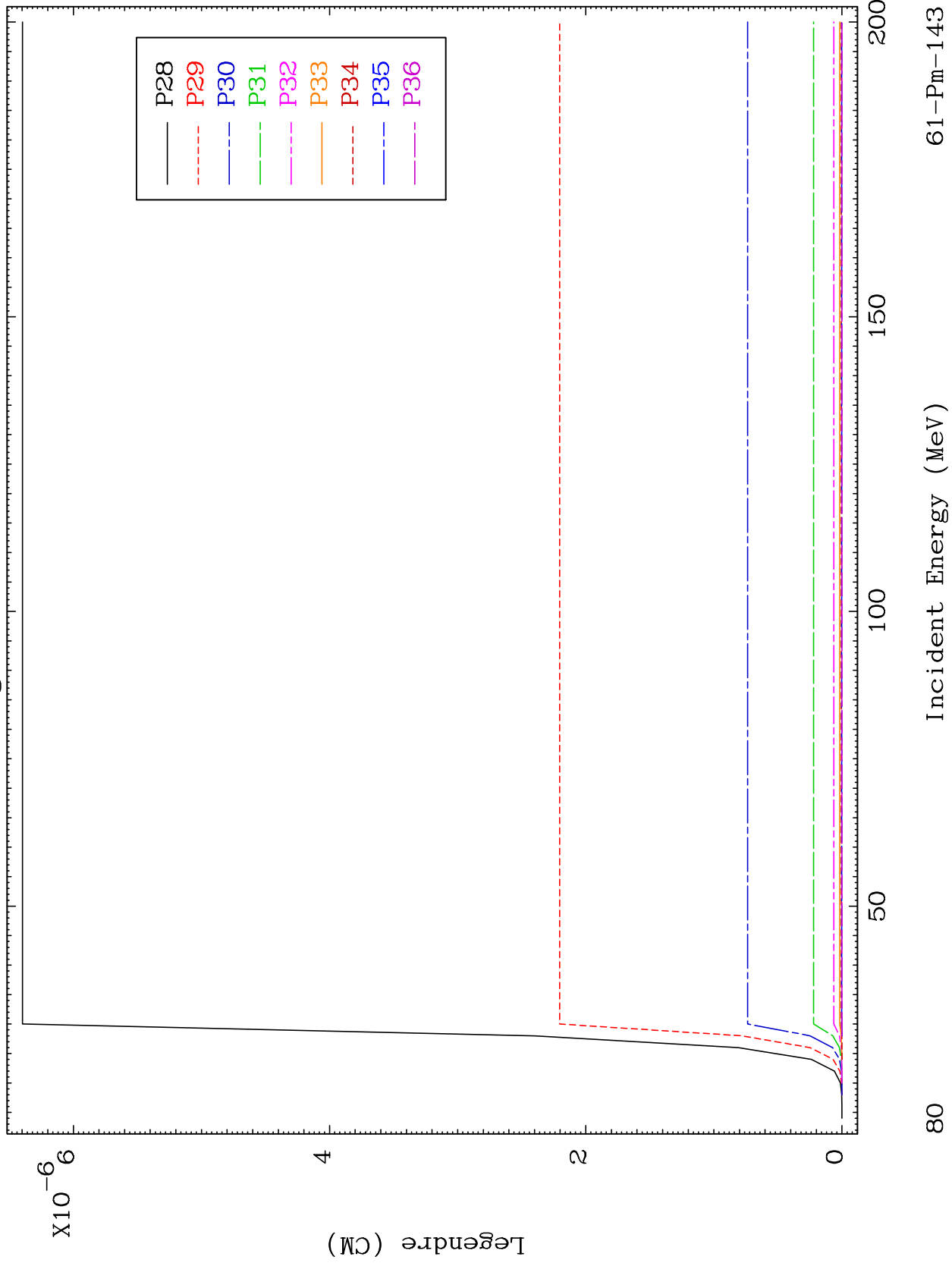
61-Pm-143



MAT 6137

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

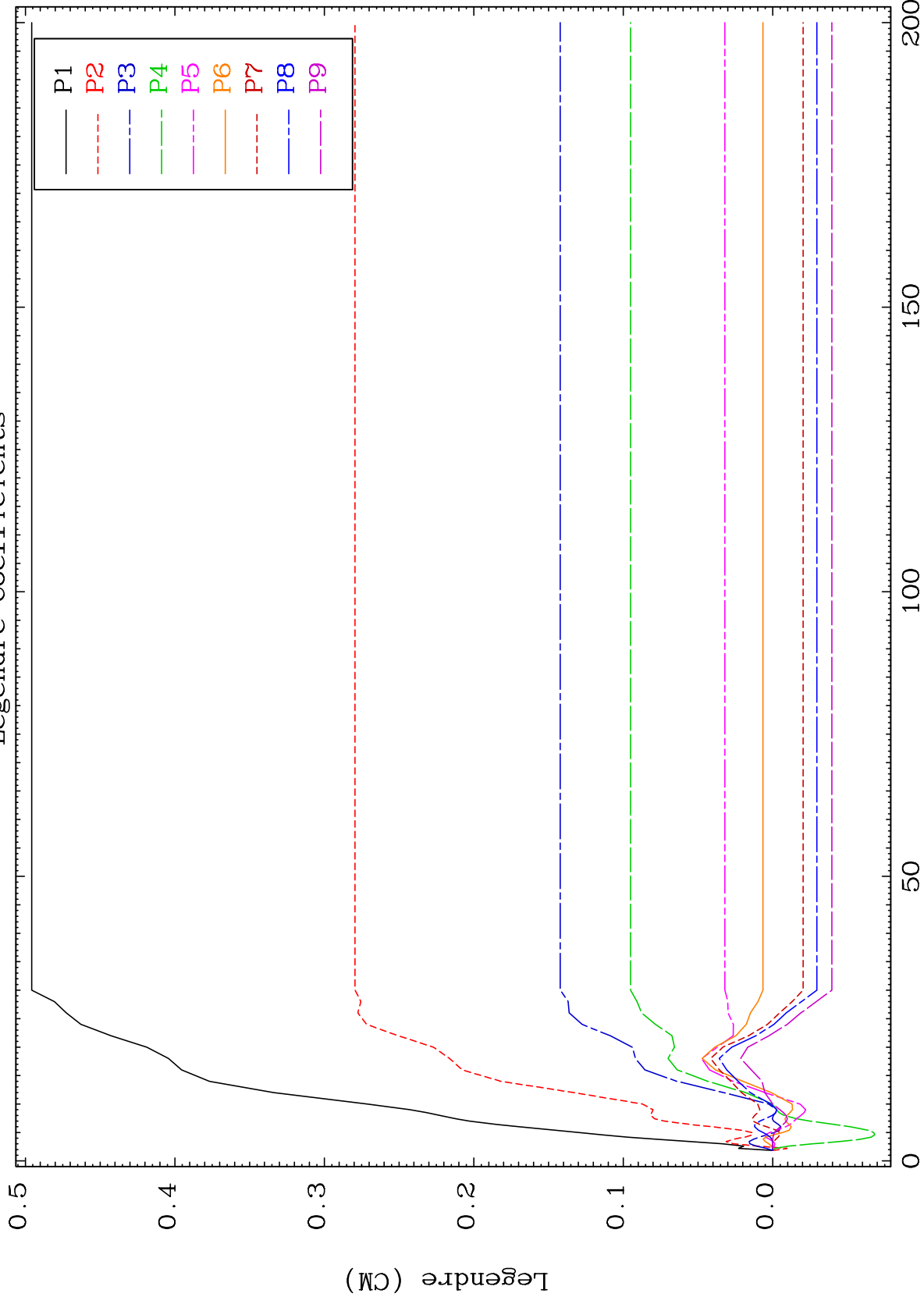
61-Pm-143



MAT 6137

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

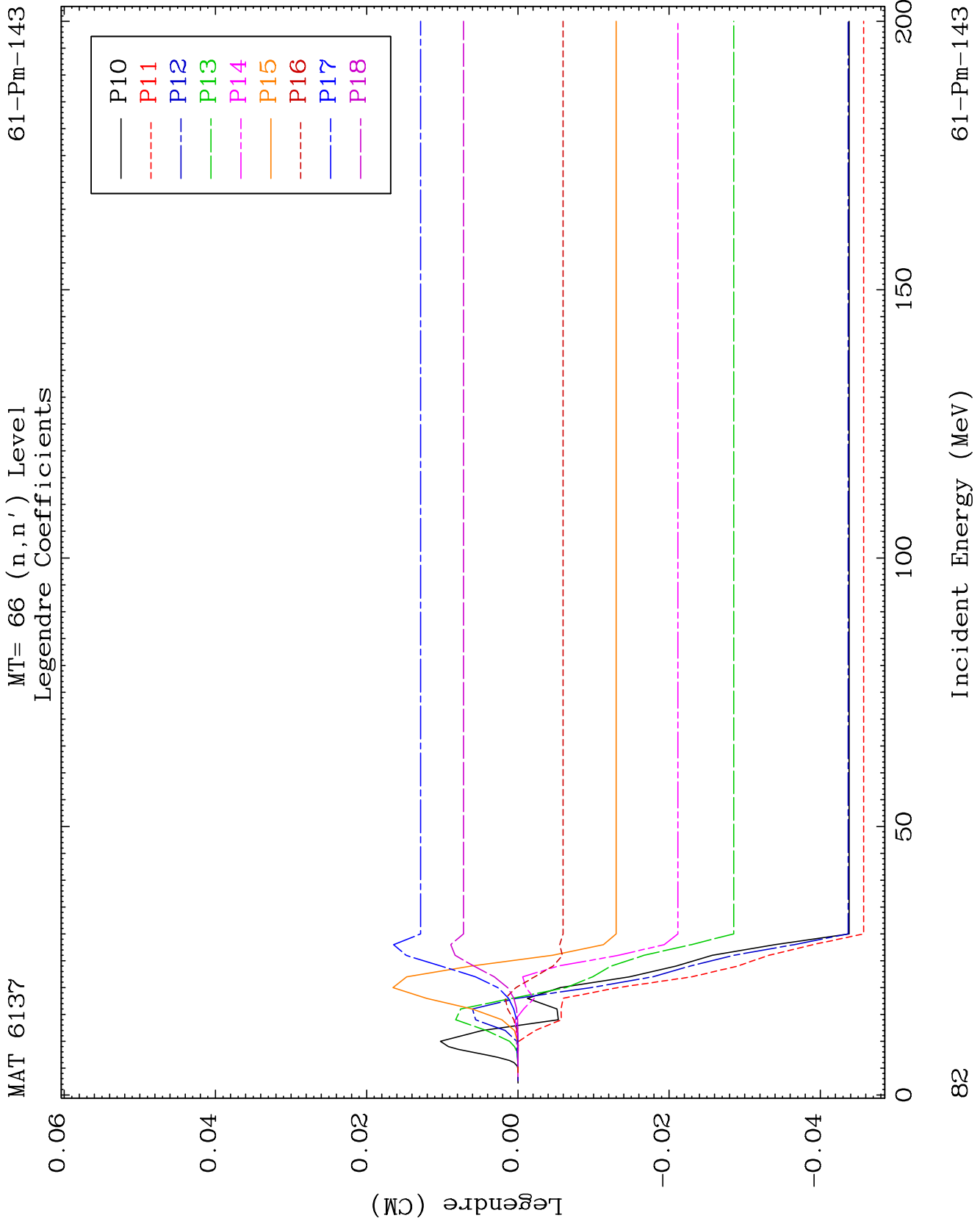
61-Pm-143

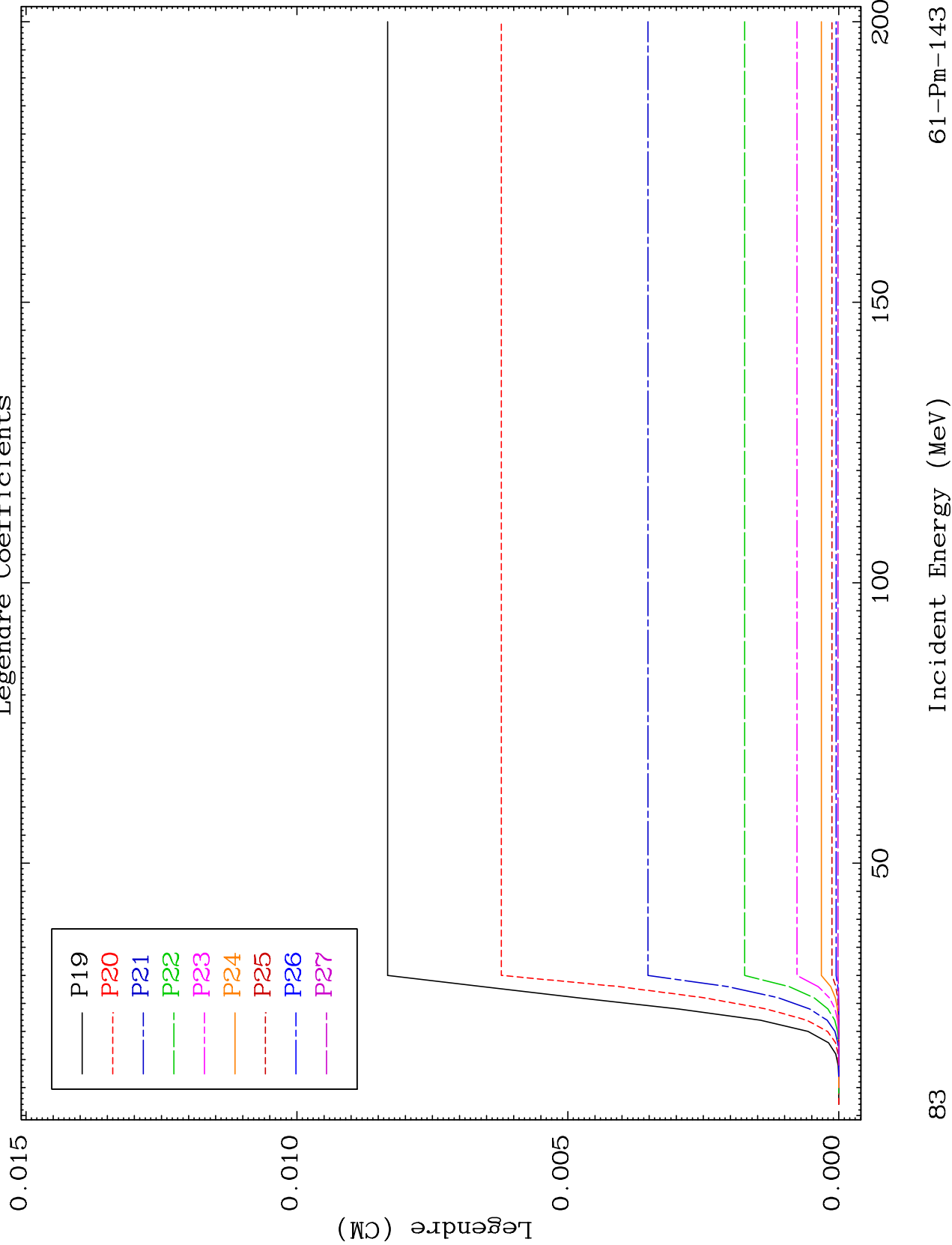


81

Incident Energy (MeV)

61-Pm-143

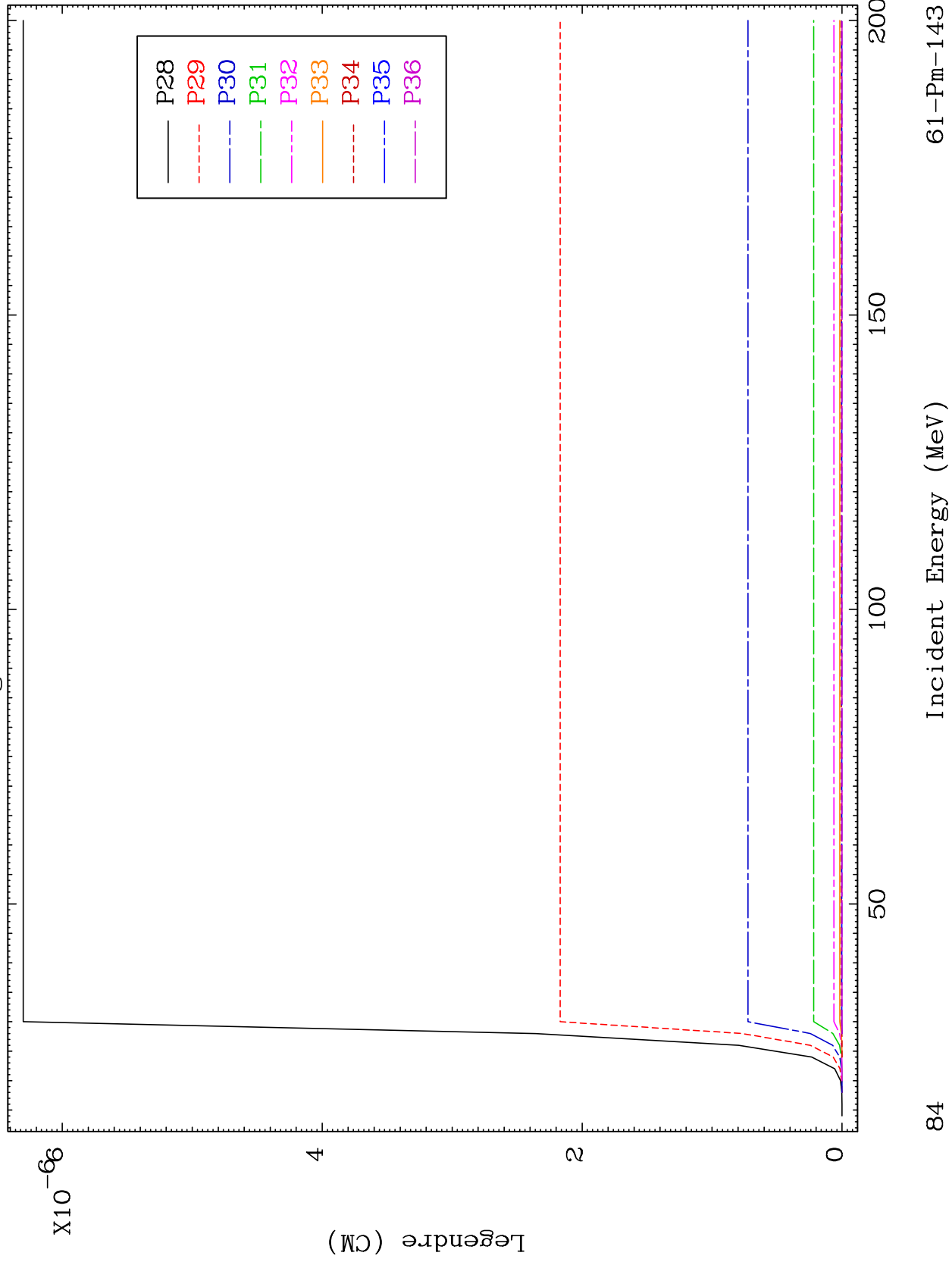




MAT 6137

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

61-Pm-143



84

Incident Energy (MeV)

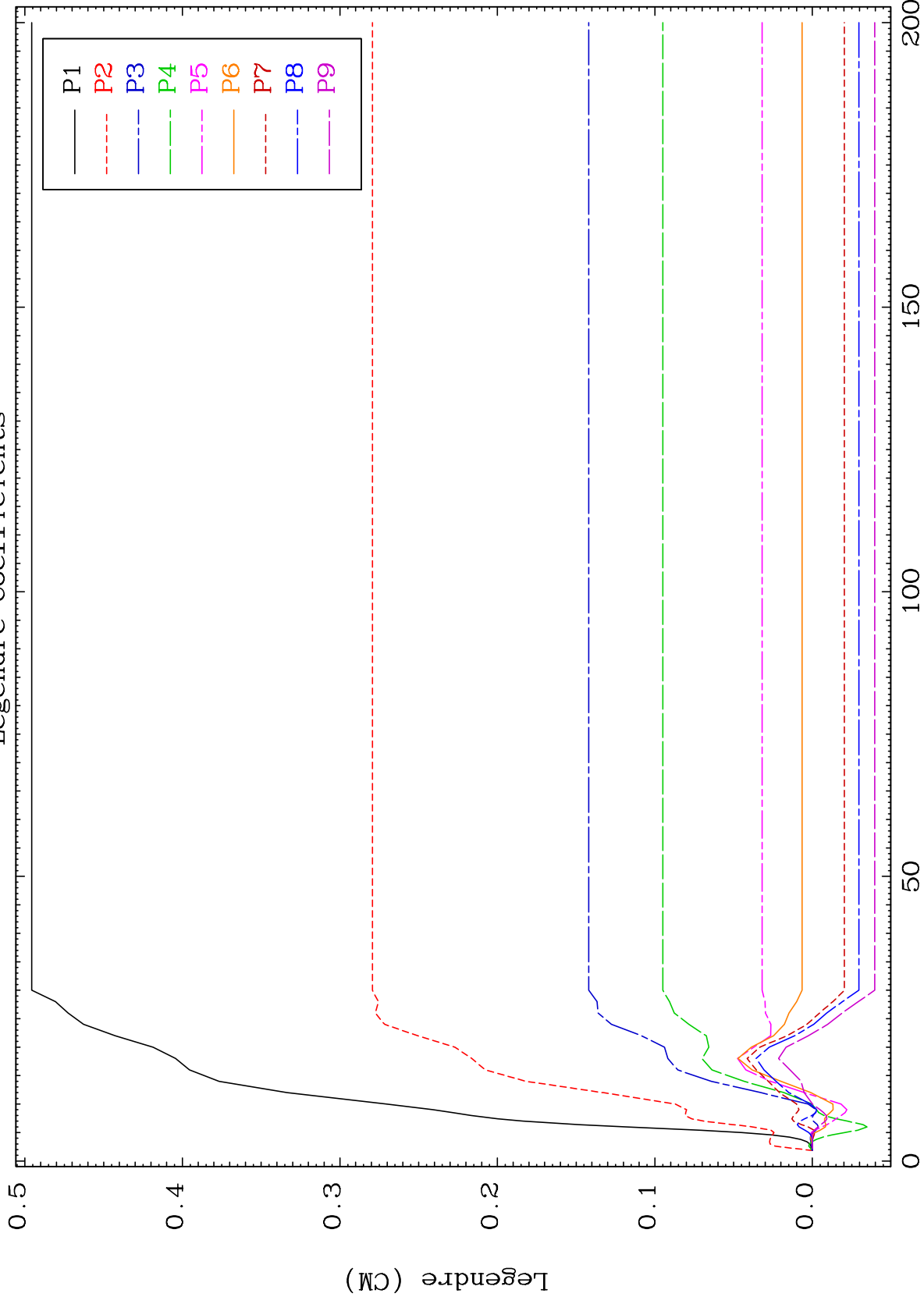
61-Pm-143

MAT 6137

MT= 67 (n,n') Level

61-Pm-143

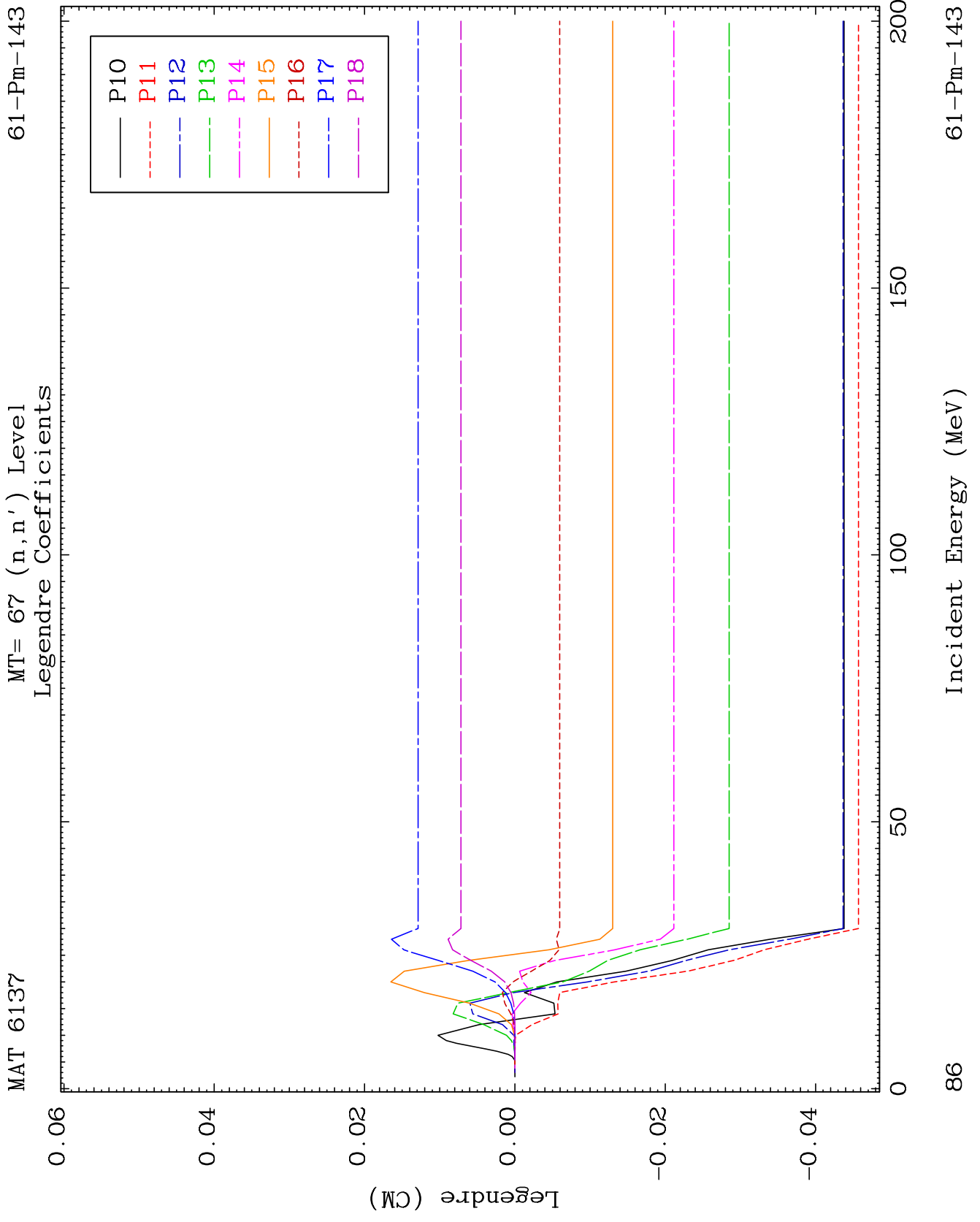
Legendre Coefficients



85

61-Pm-143

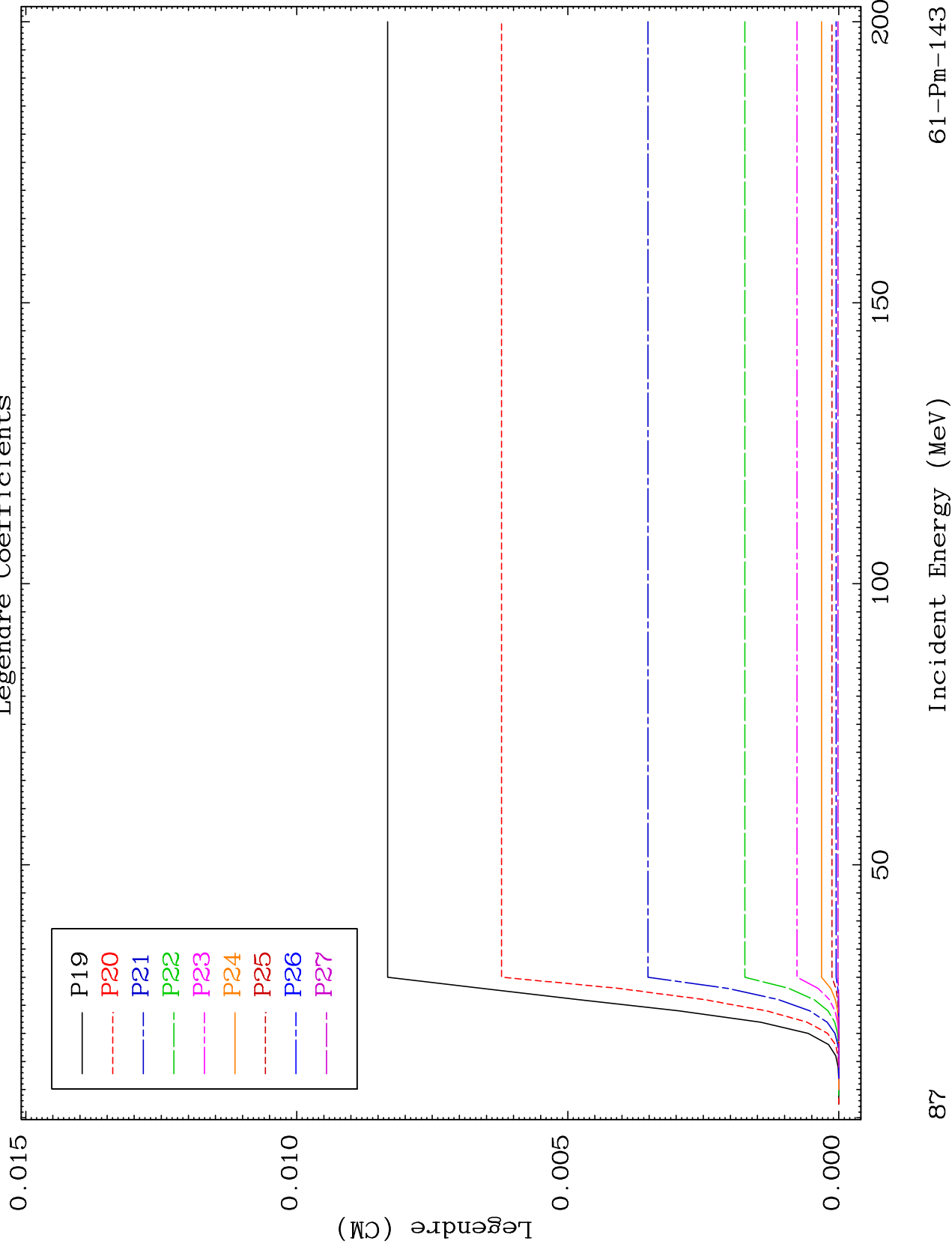
61-Pm-143



MAT 6137

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

61-Pm-143



87

Incident Energy (MeV)

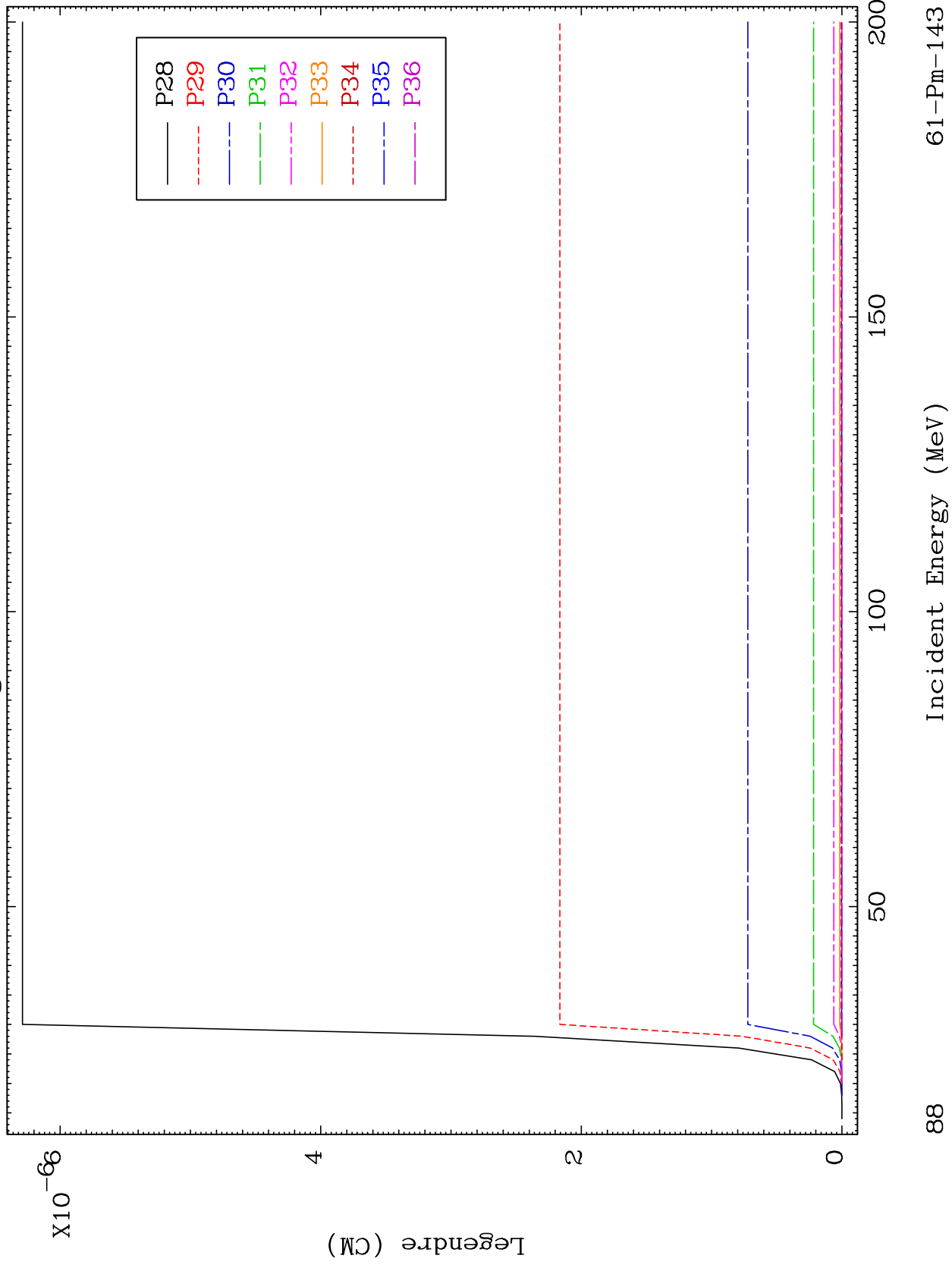
61-Pm-143



MAT 6137

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

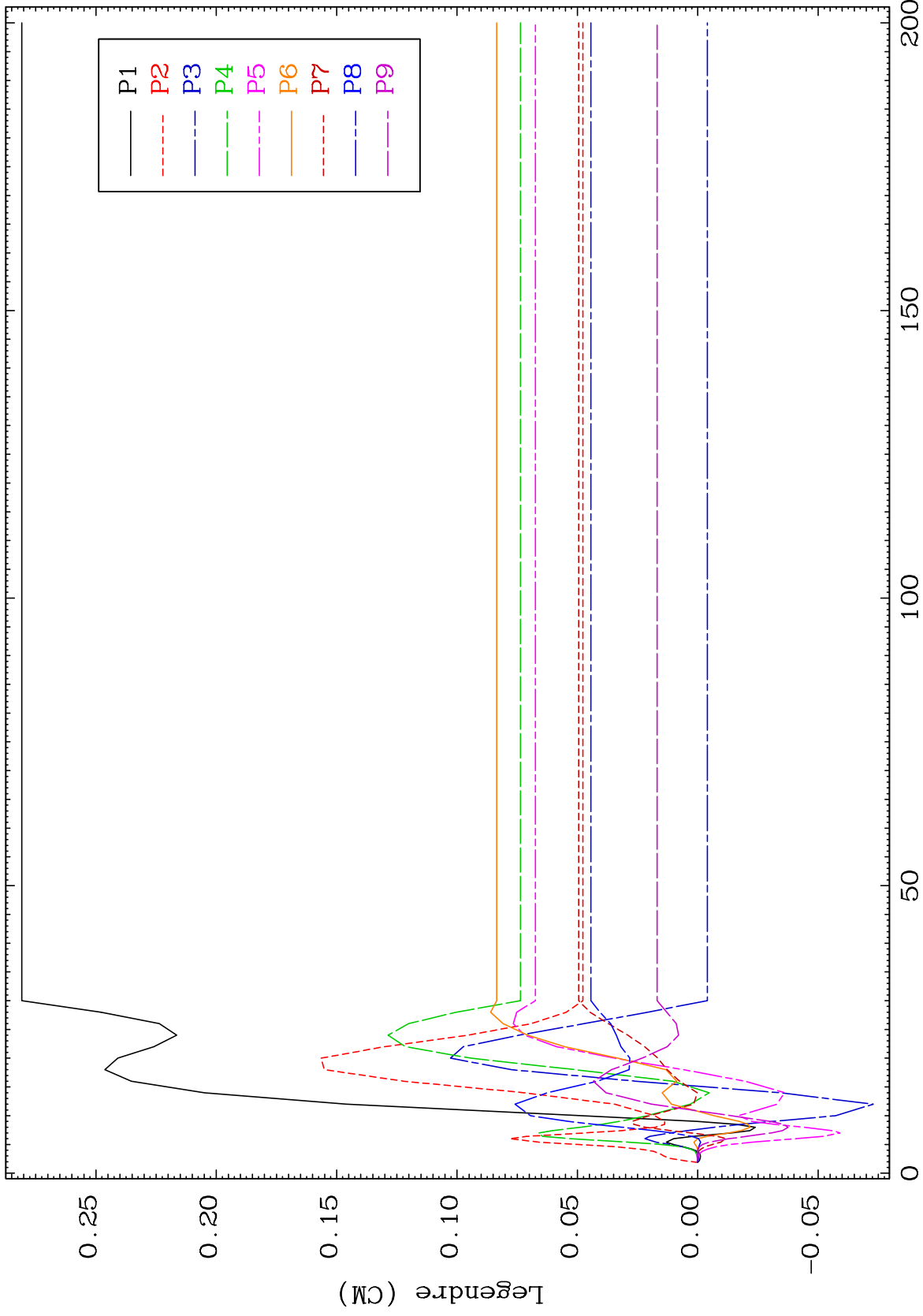
61-Pm-143



MAT 6137

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

61-Pm-143



89

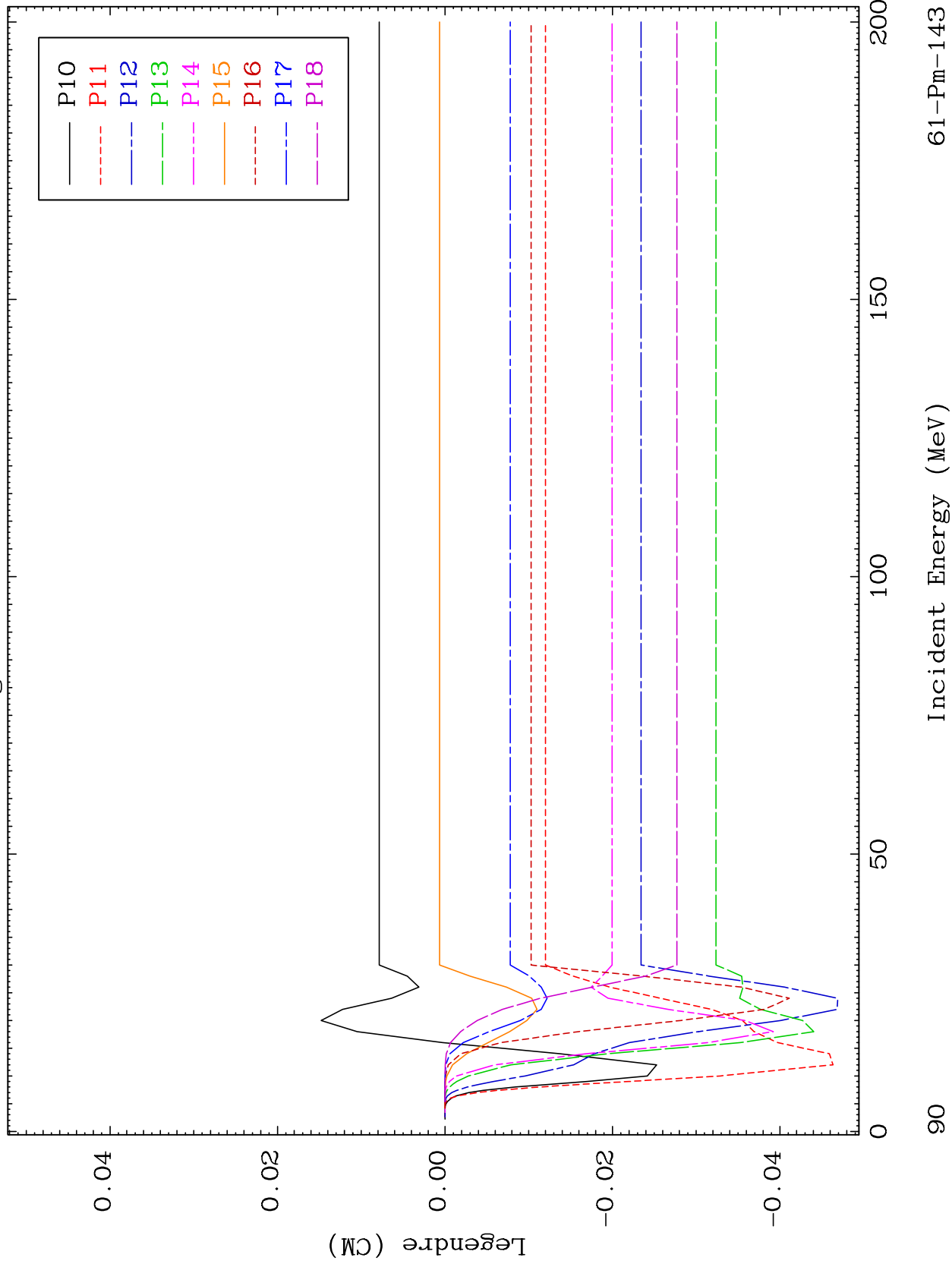
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



61-Pm-143

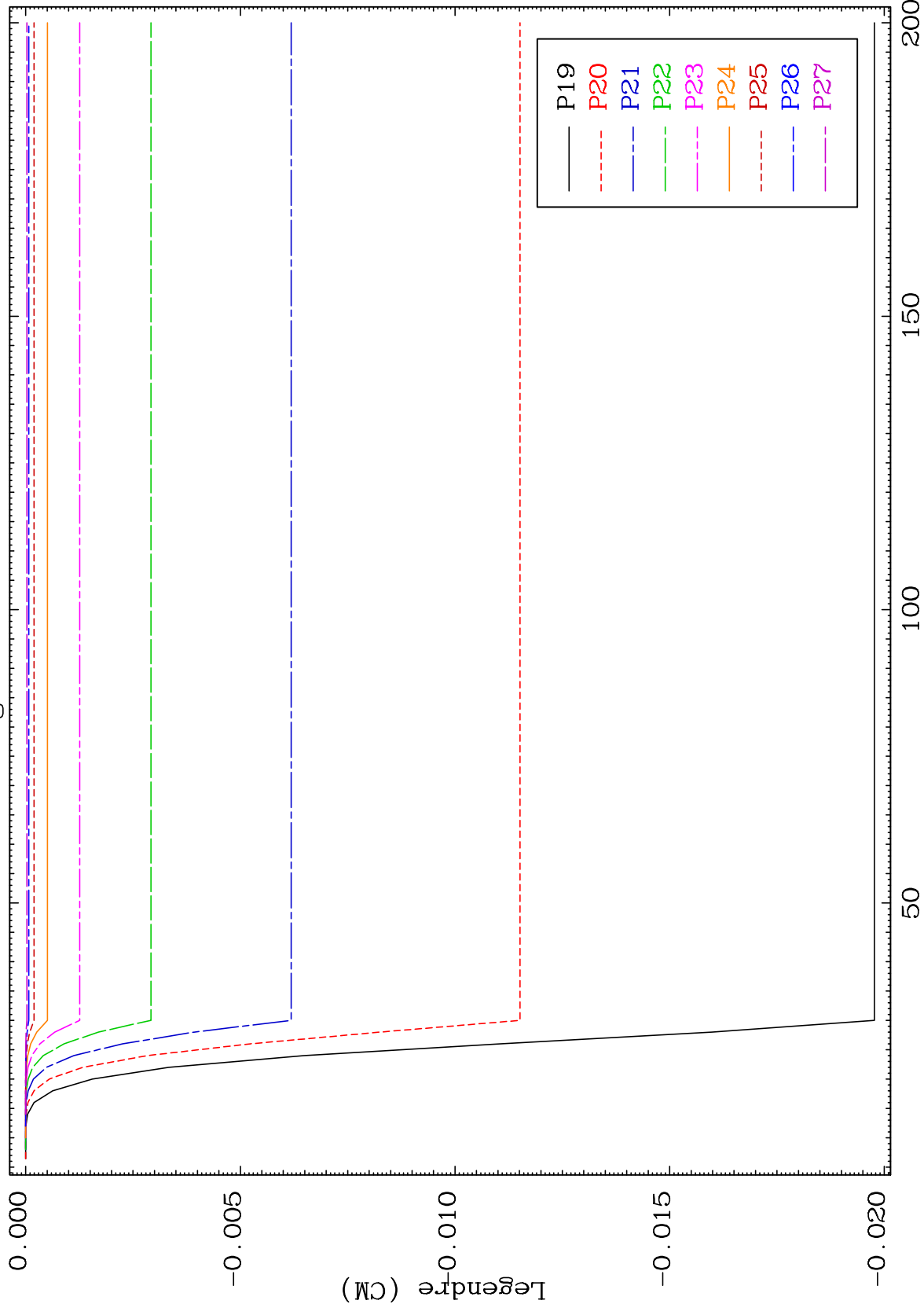
Incident Energy (MeV)

90

MAT 6137

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

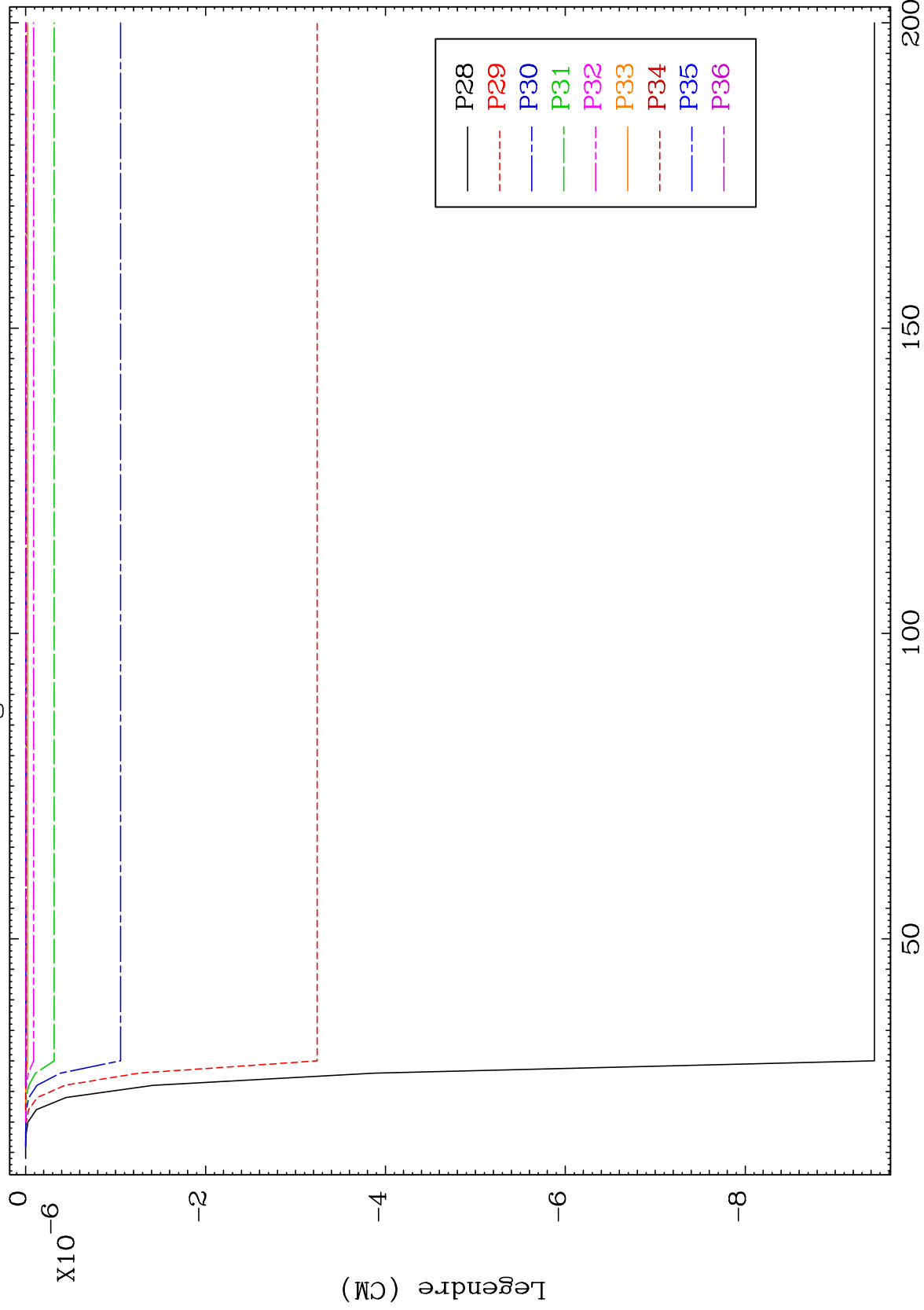
61-Pm-143



MAT 6137

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

61-Pm-143



92

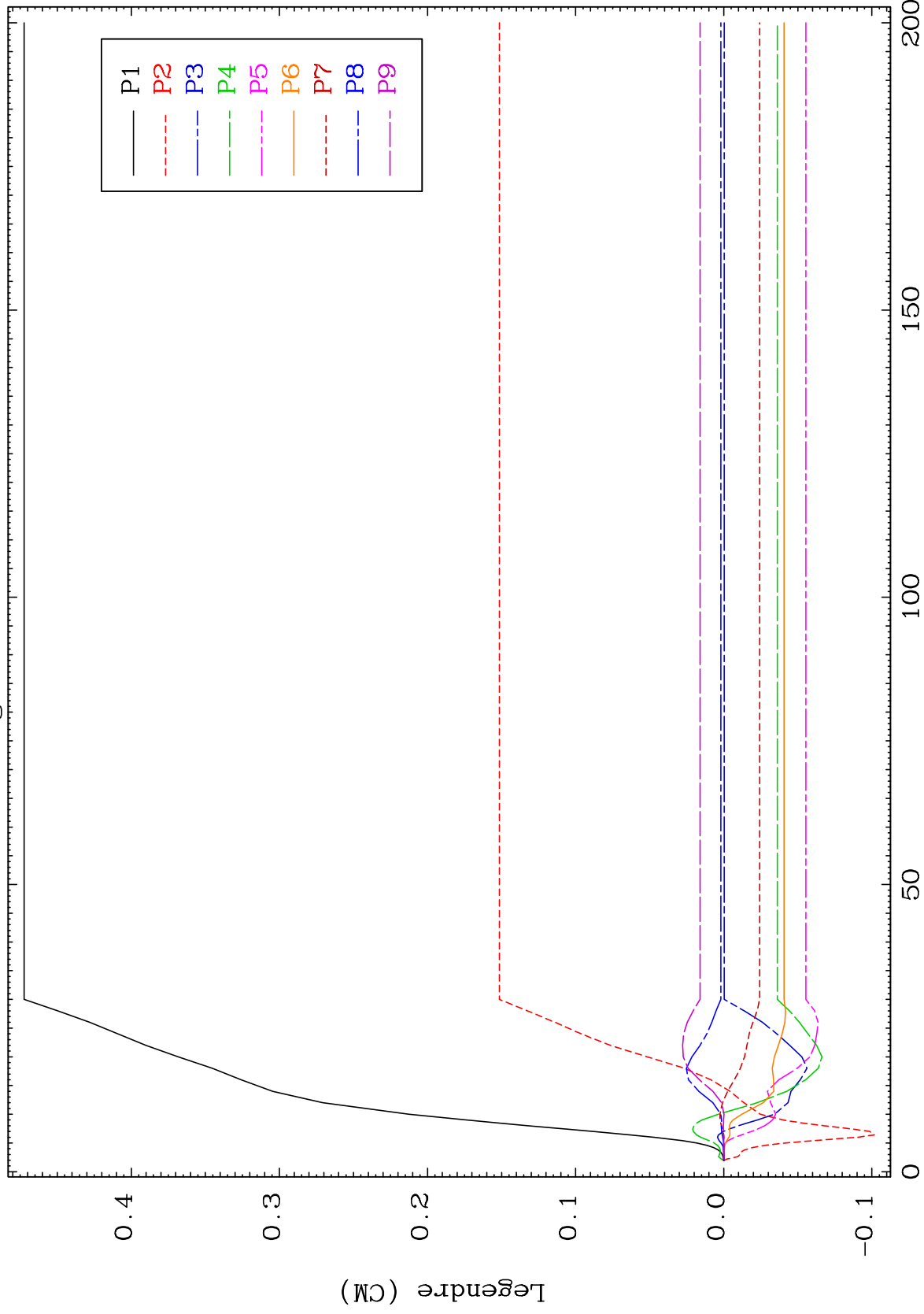
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



93

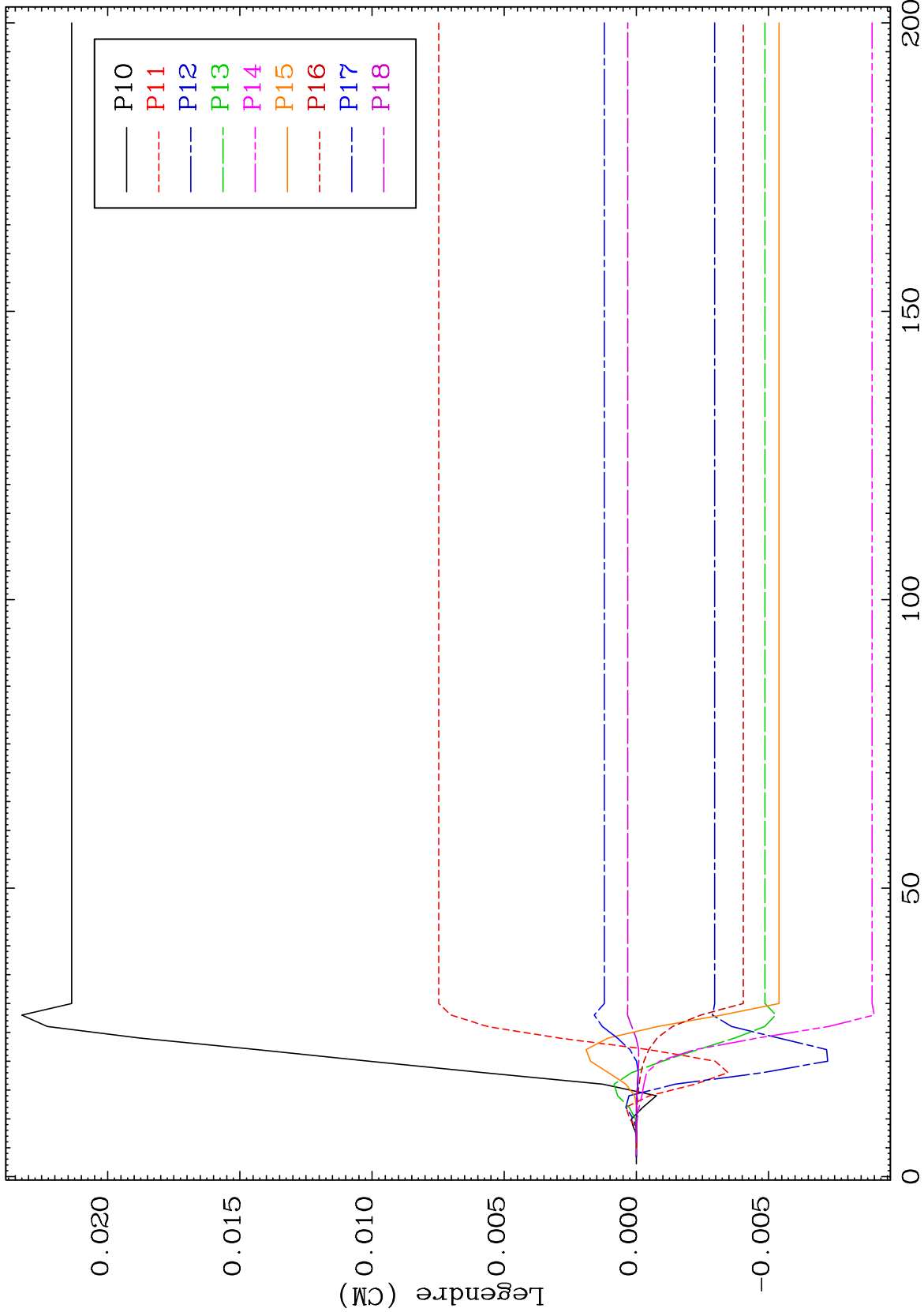
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

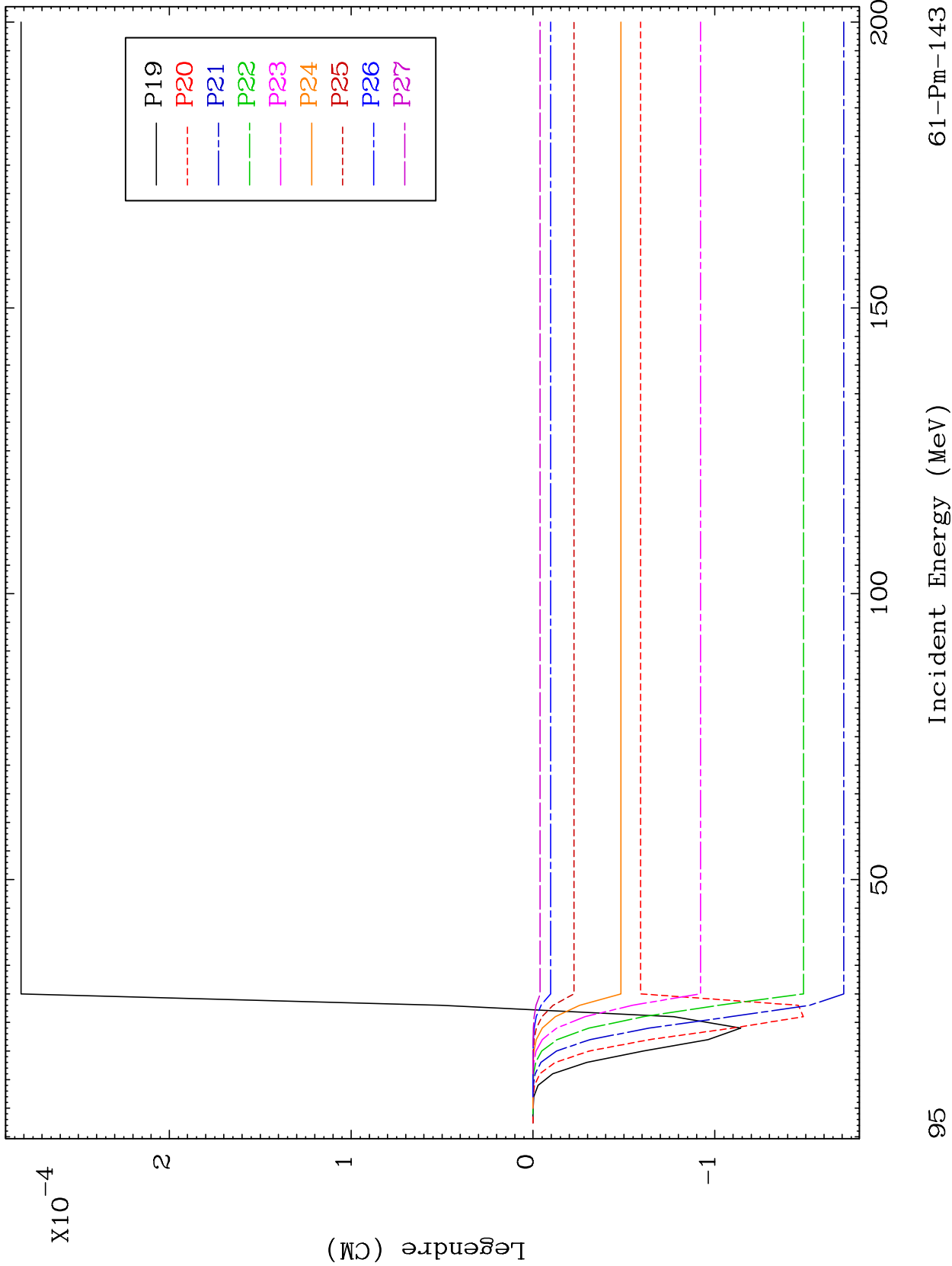
61-Pm-143



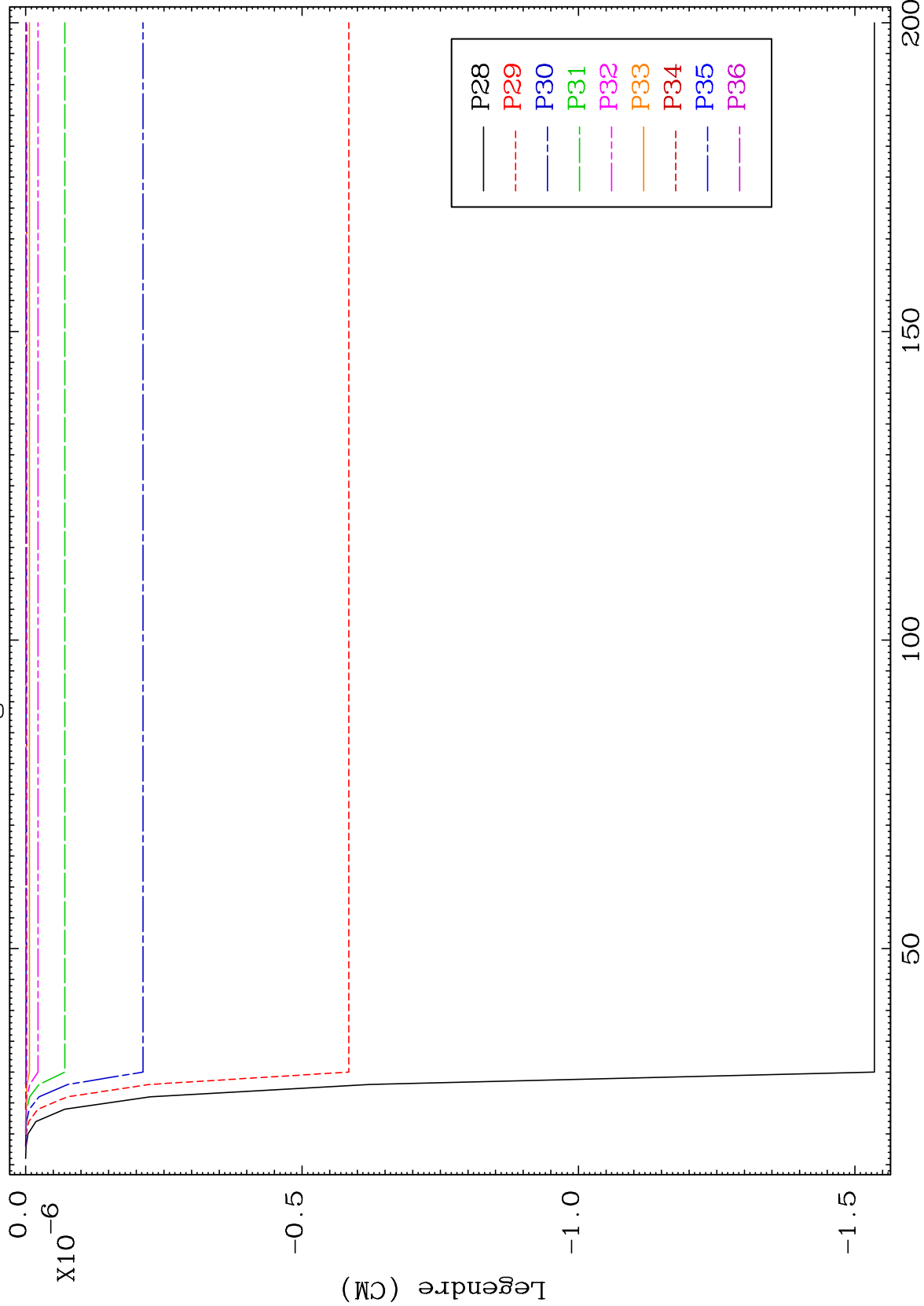
94

Incident Energy (MeV)

61-Pm-143



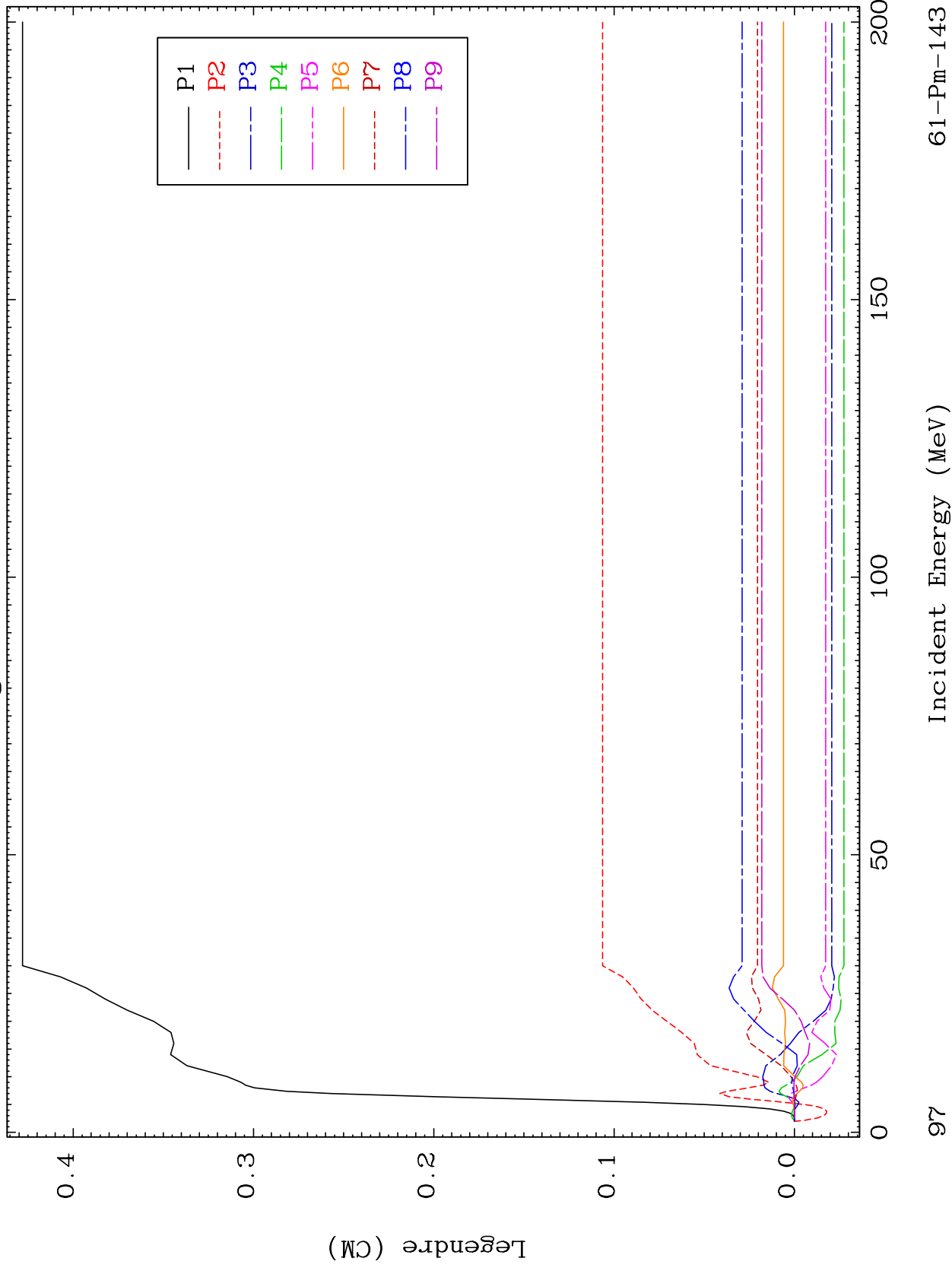




MAT 6137

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

61-Pm-143



61-Pm-143

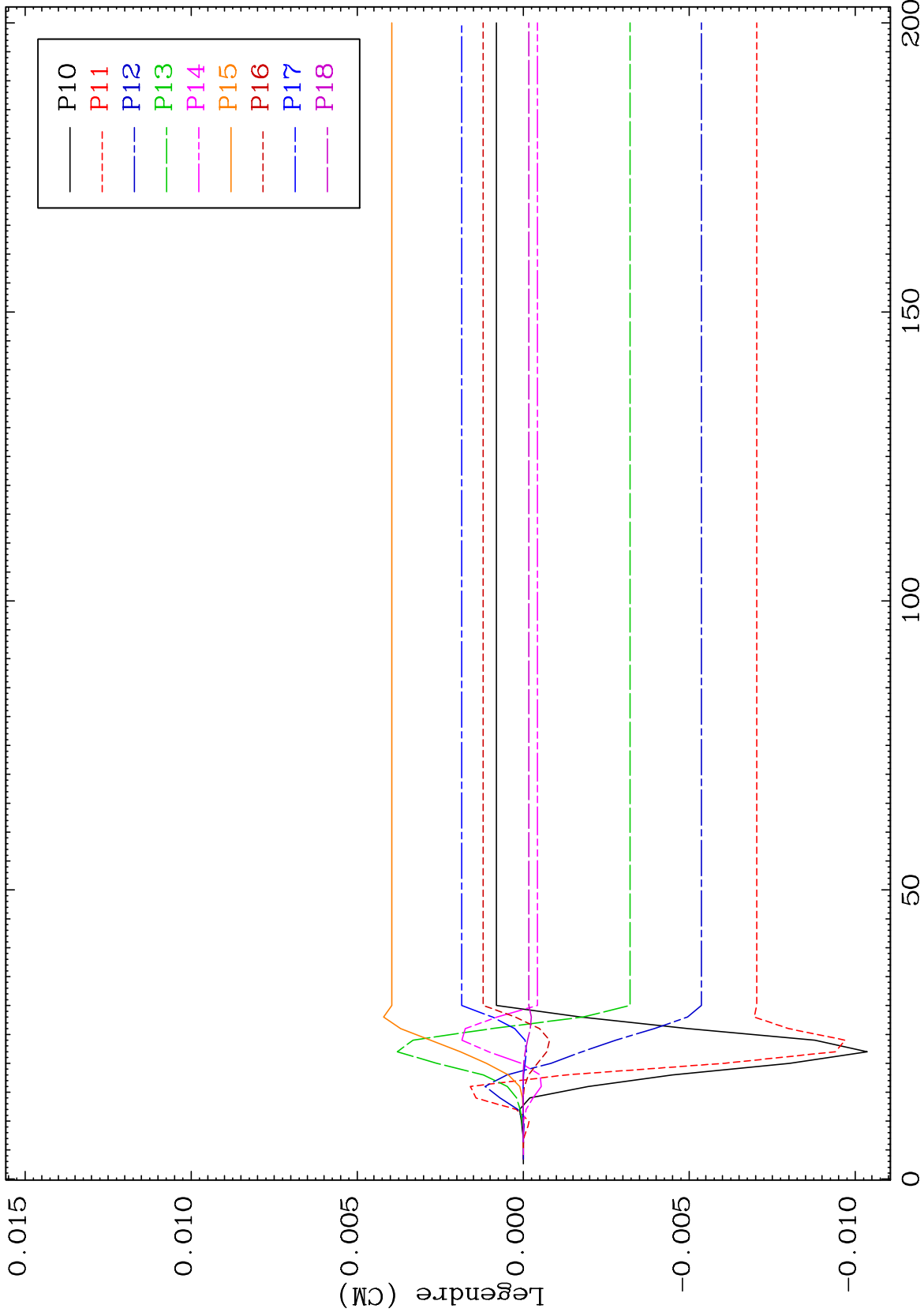
Incident Energy (MeV)

97

MAT 6137

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

61-Pm-143



98

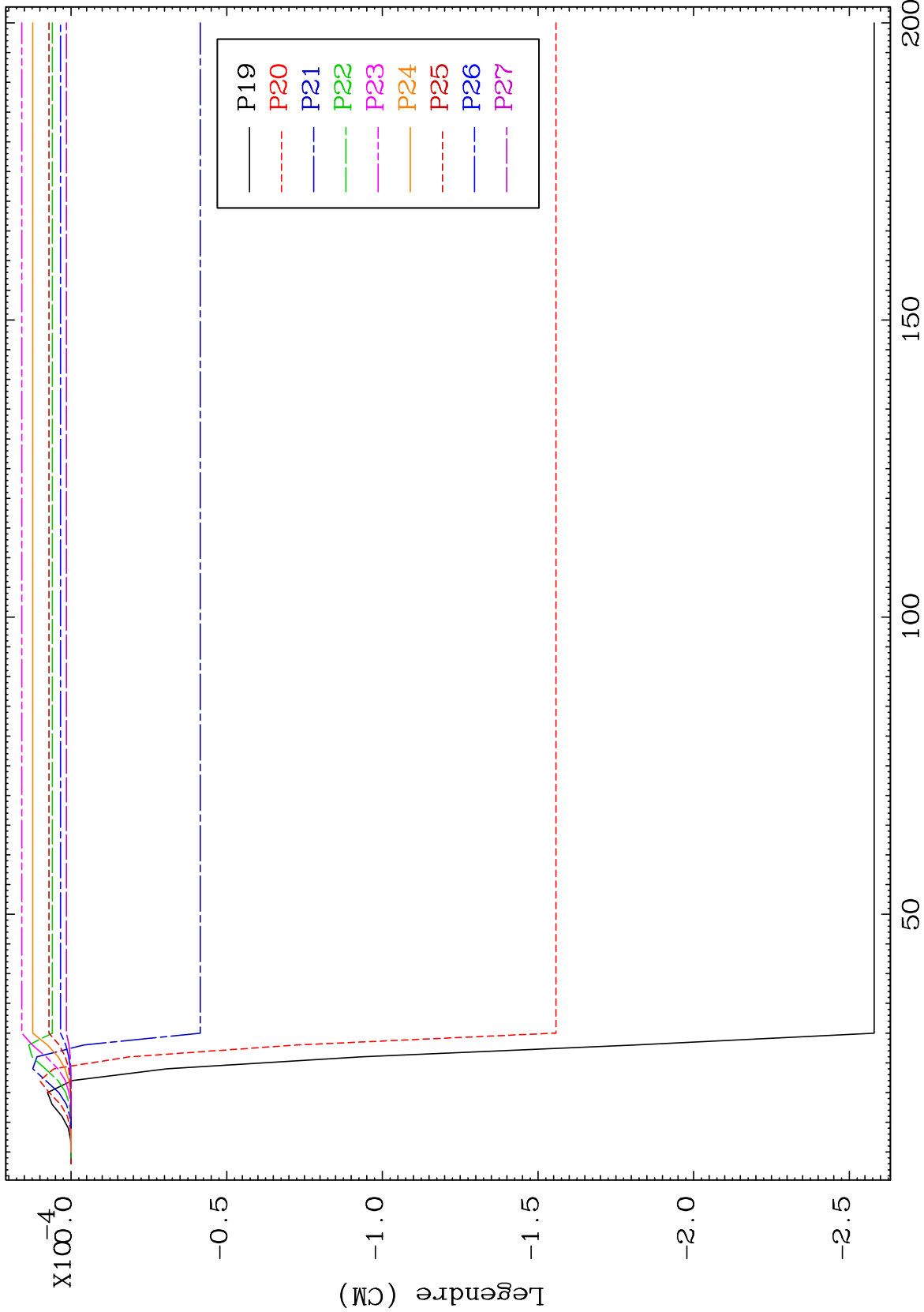
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

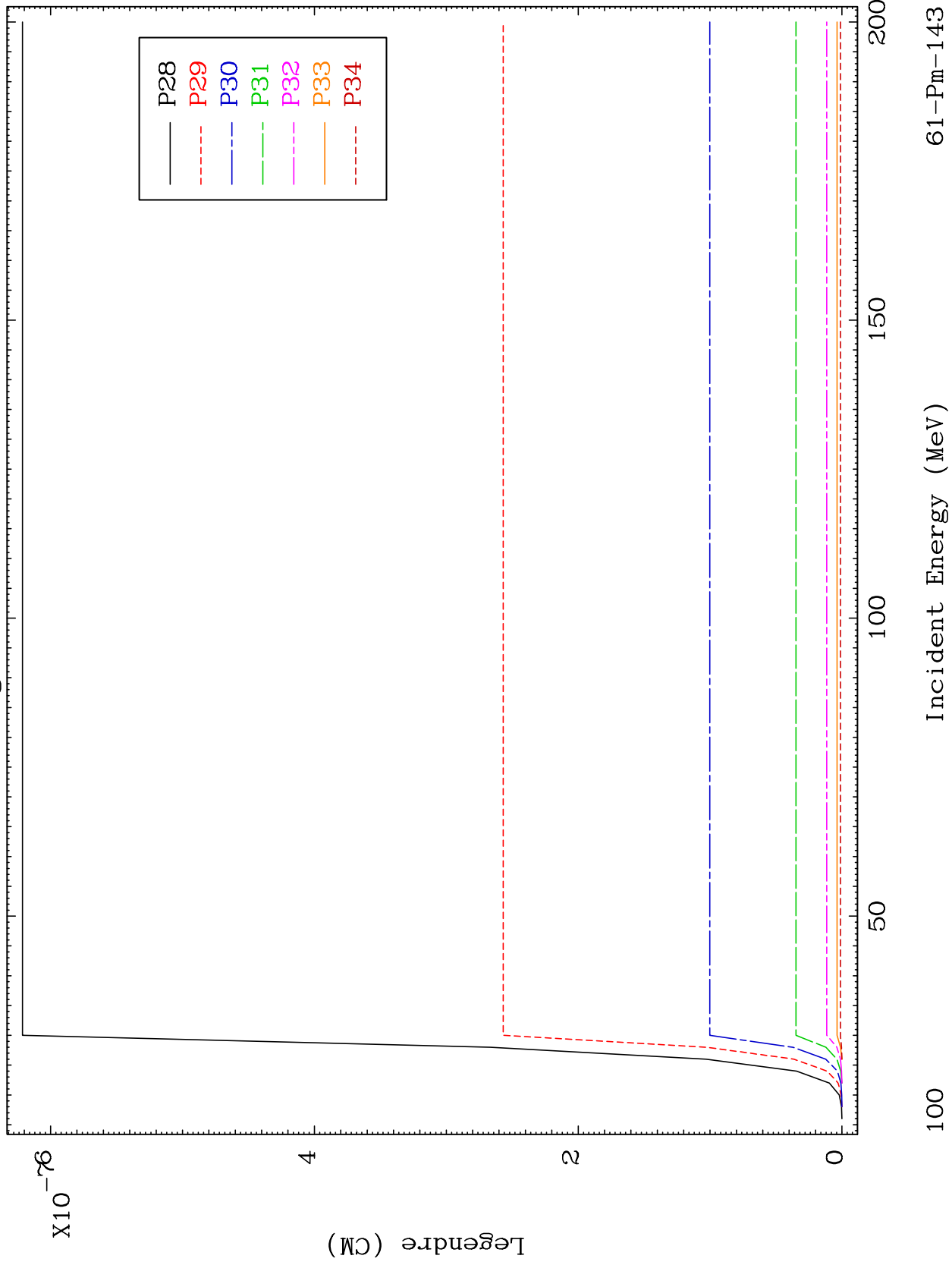
61-Pm-143



MAT 6137

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

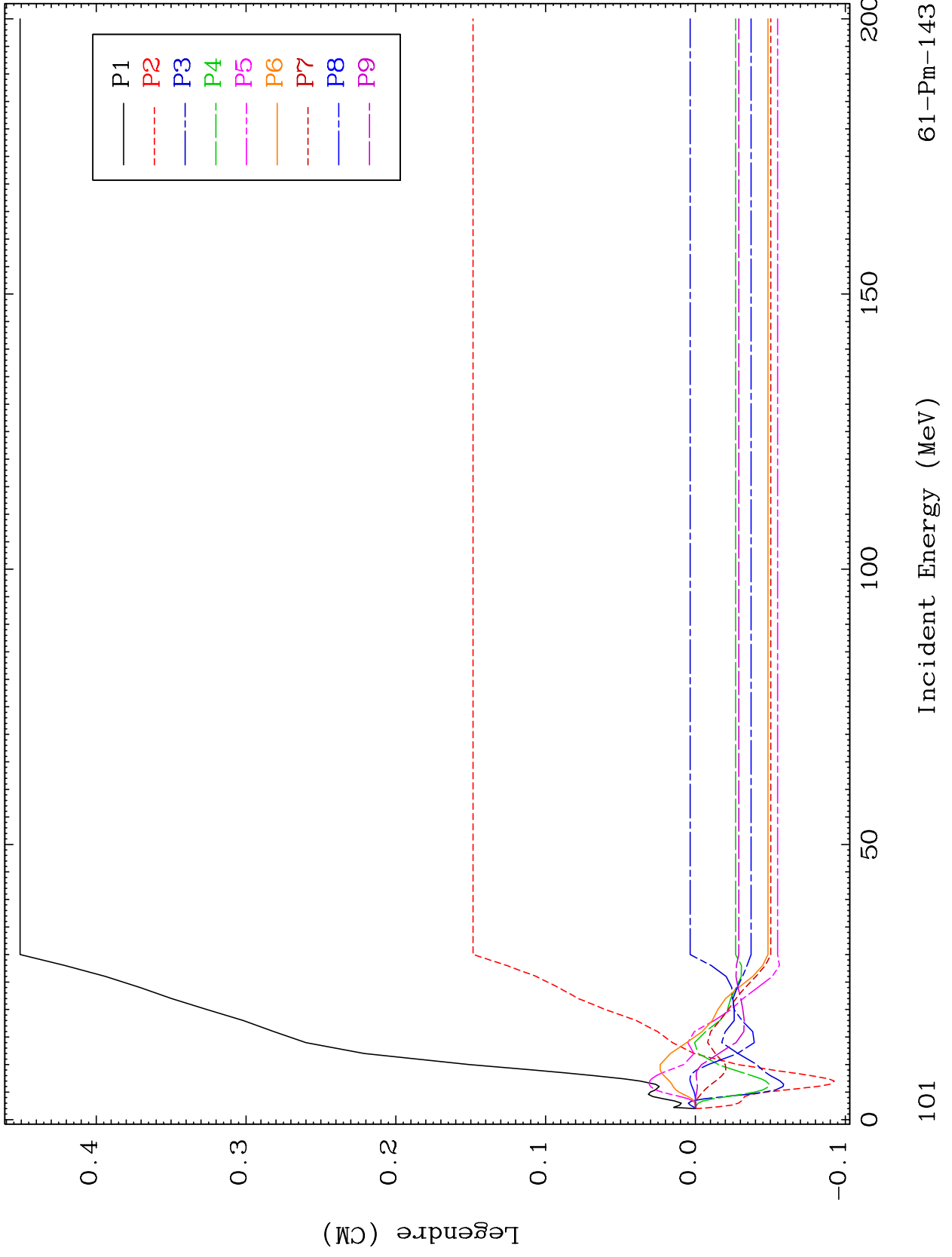
61-Pm-143



MAT 6137

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

61-Pm-143



61-Pm-143

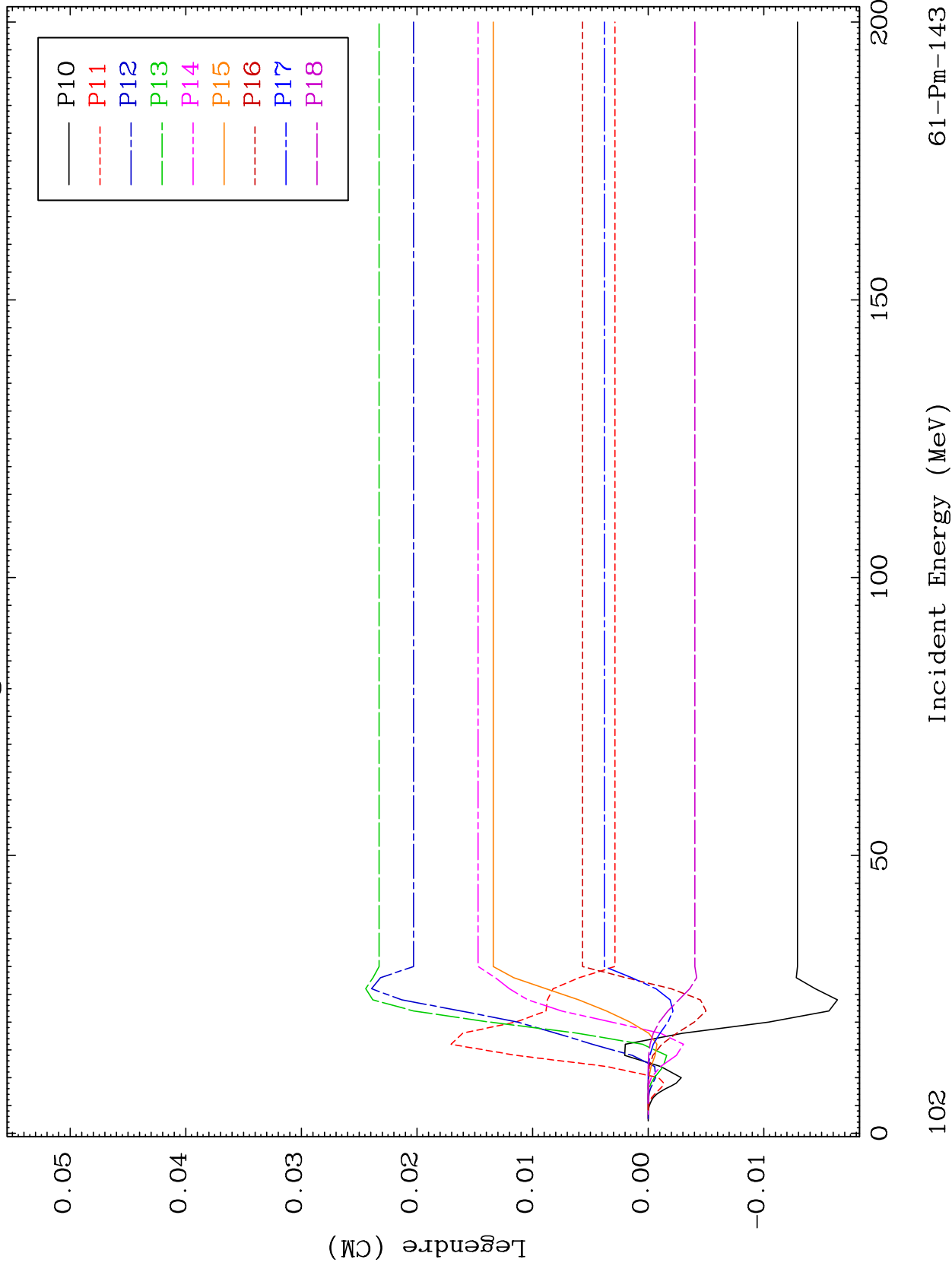
Incident Energy (MeV)

101

MAT 6137

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

61-Pm-143



61-Pm-143

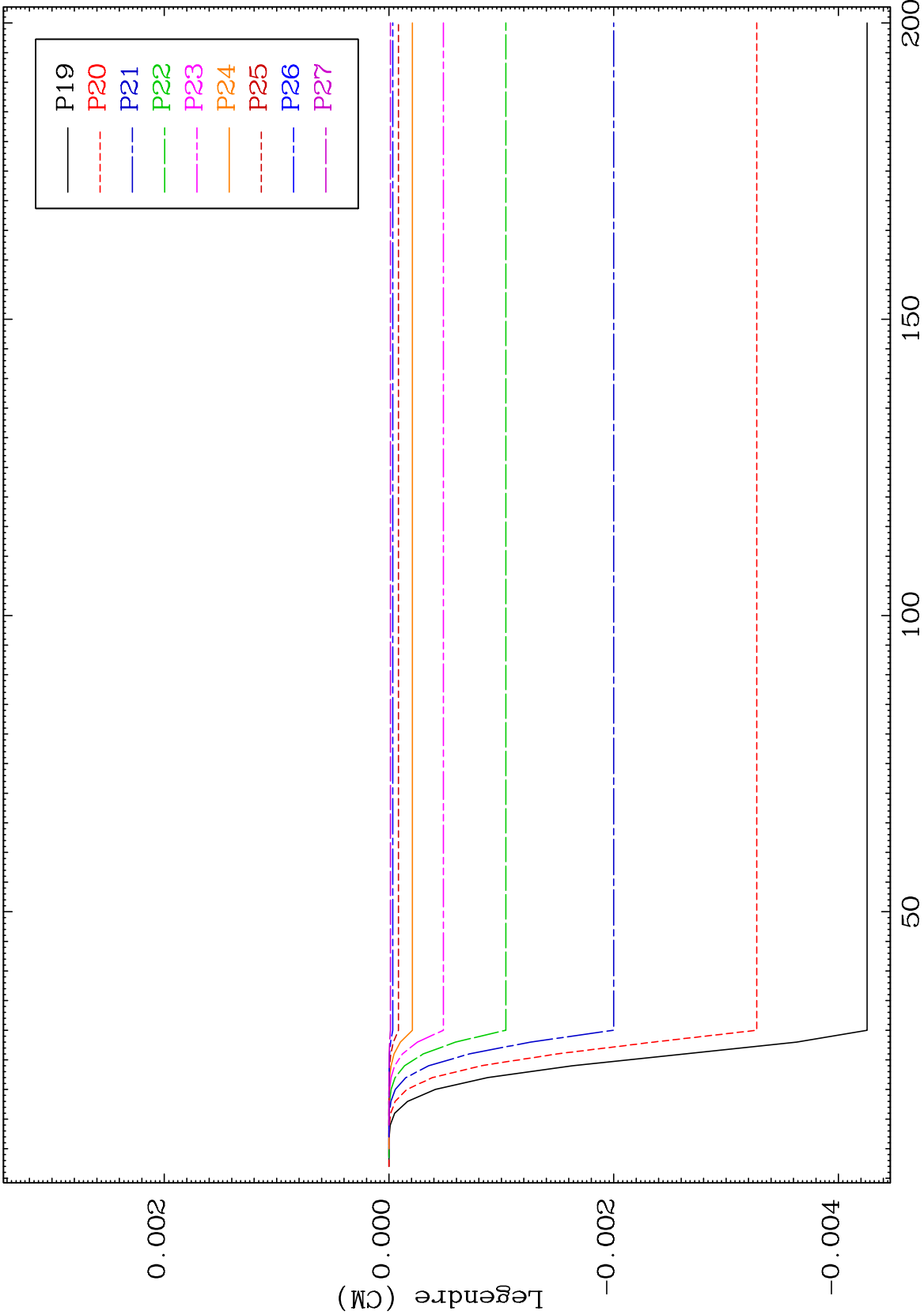
Incident Energy (MeV)

102

MAT 6137

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

61-Pm-143

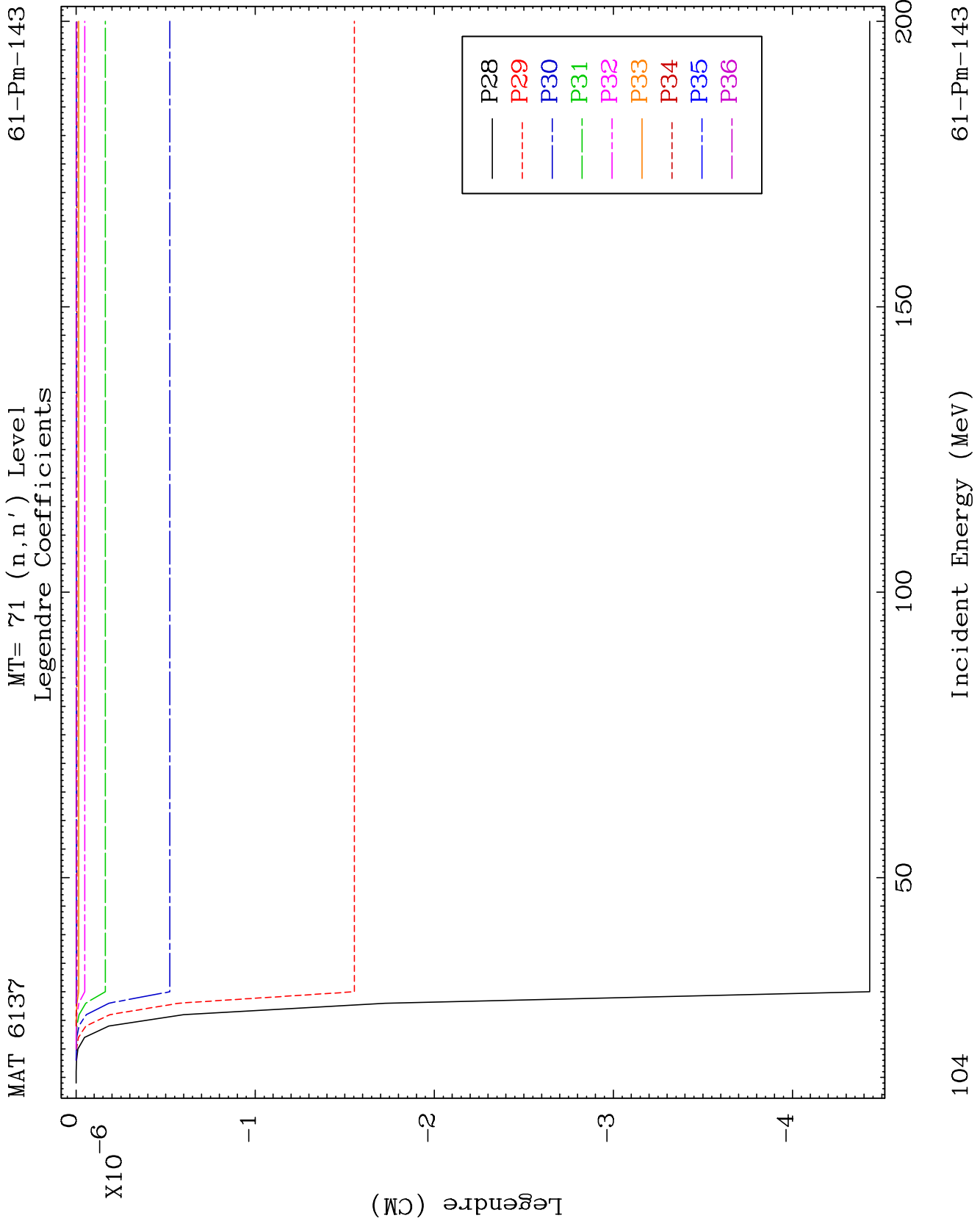


103

Incident Energy (MeV)

61-Pm-143

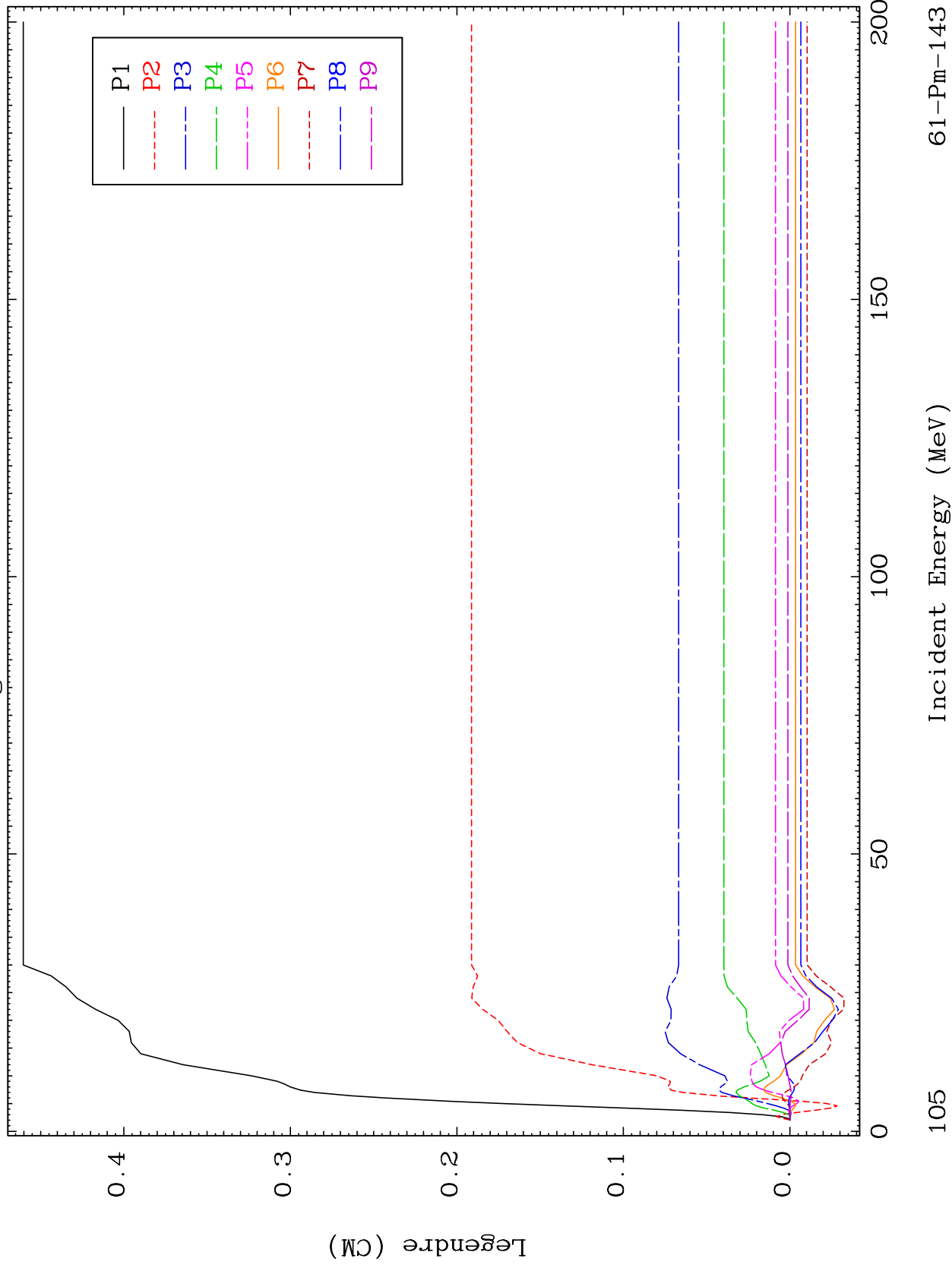




MAT 6137

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

61-Pm-143



61-Pm-143

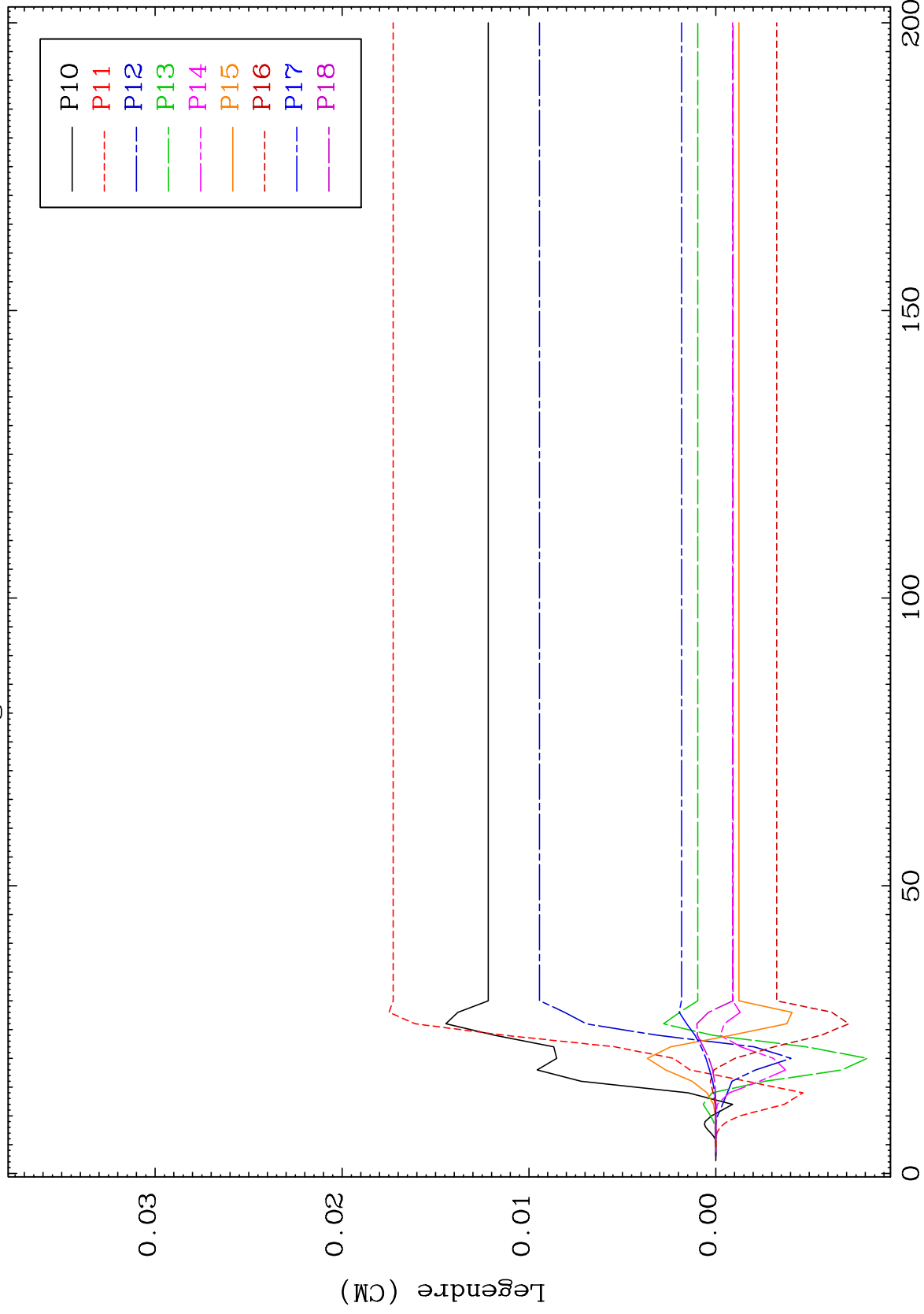
Incident Energy (MeV)

0

MAT 6137

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

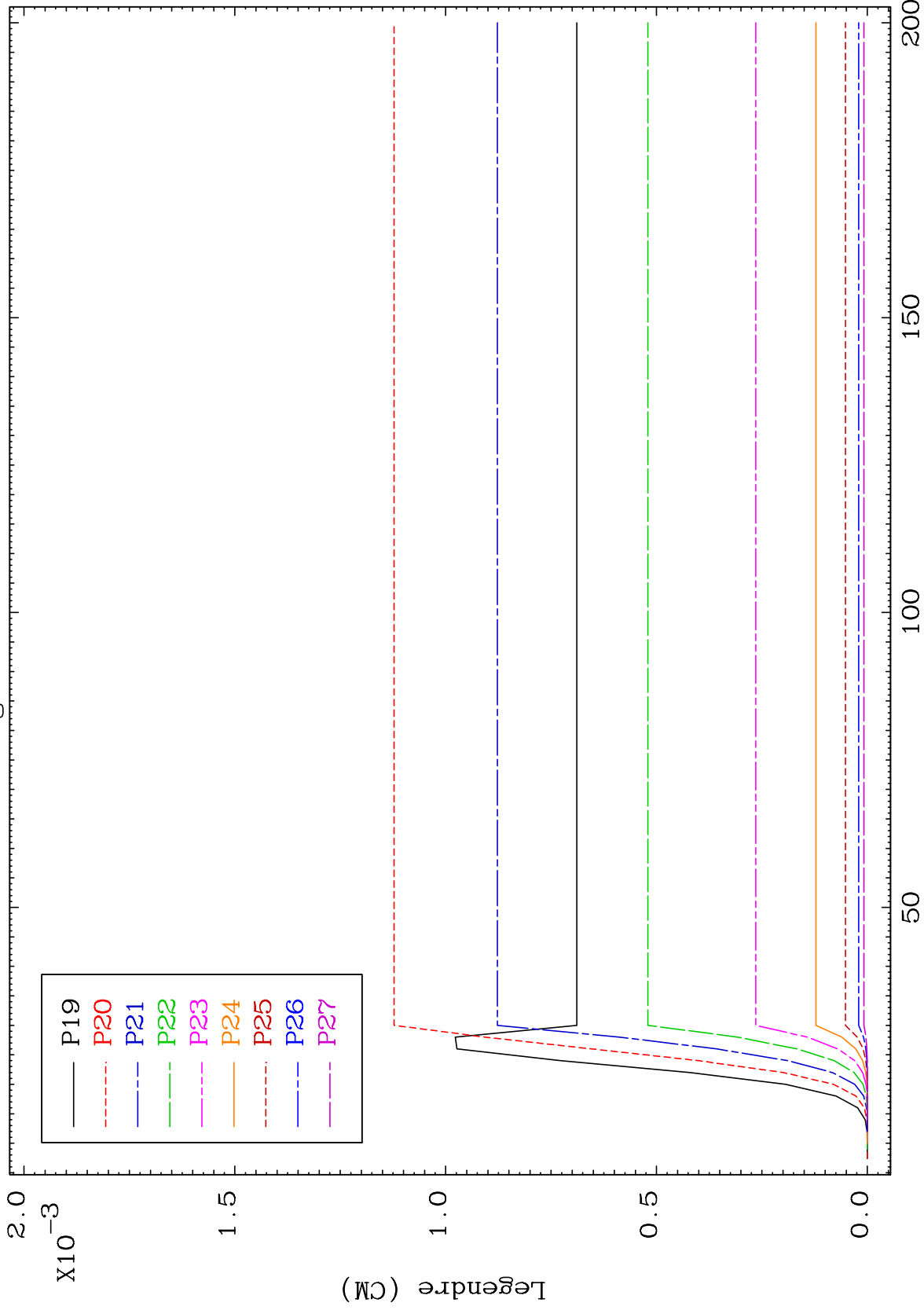
61-Pm-143



61-Pm-143

Incident Energy (MeV)

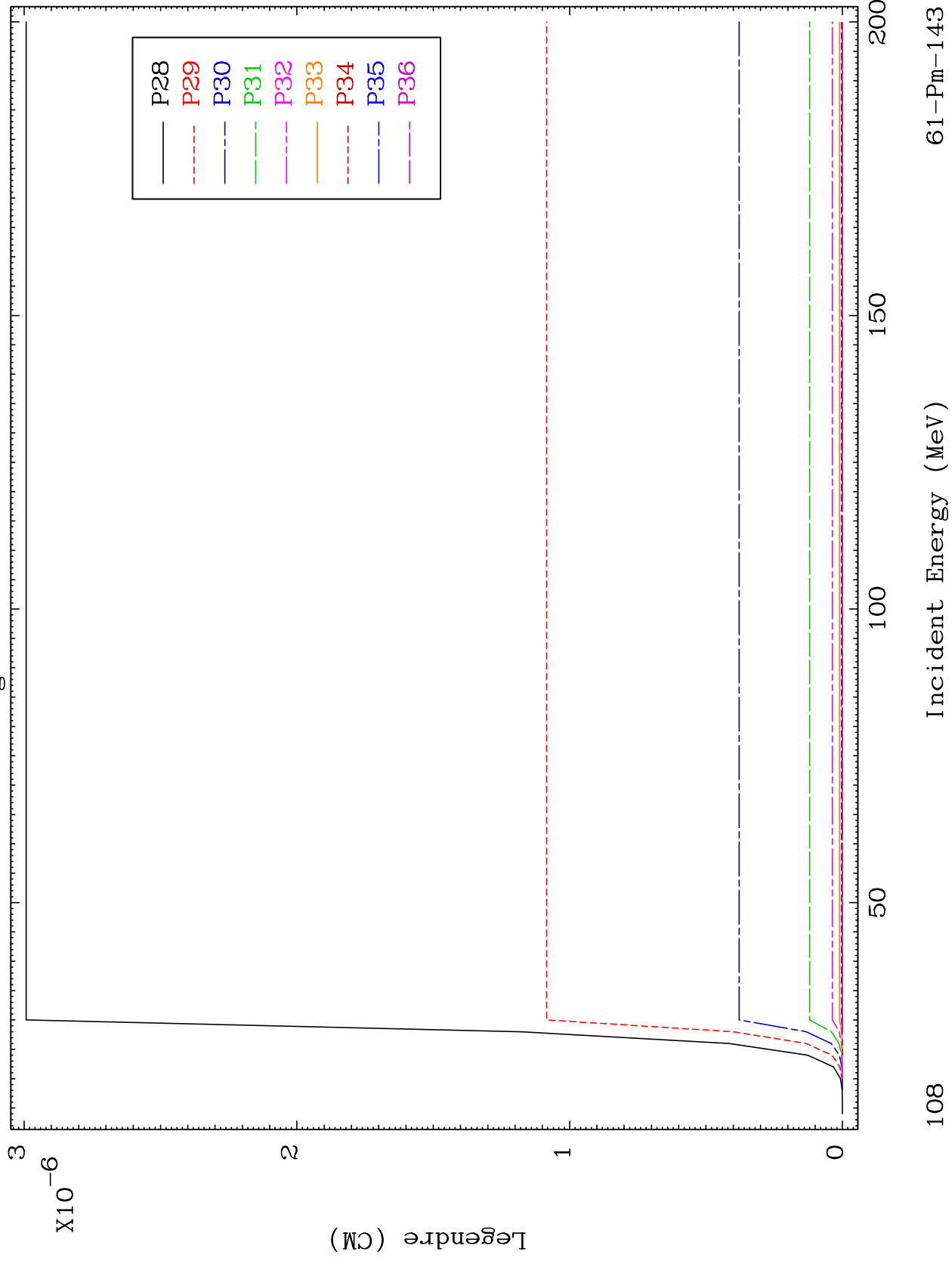
106



MAT 6137

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

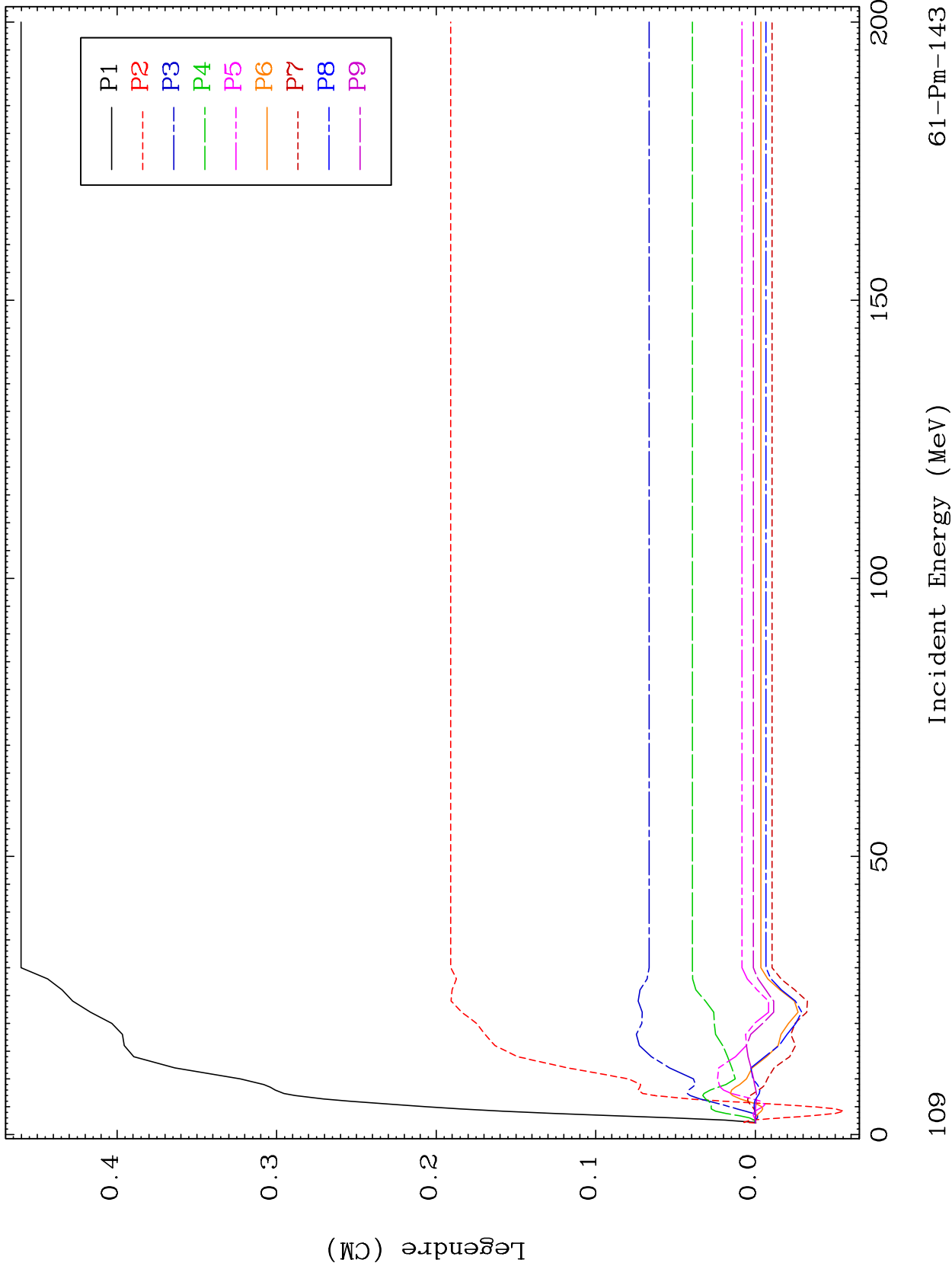
61-Pm-143



MAT 6137

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

61-Pm-143



61-Pm-143

Incident Energy (MeV)

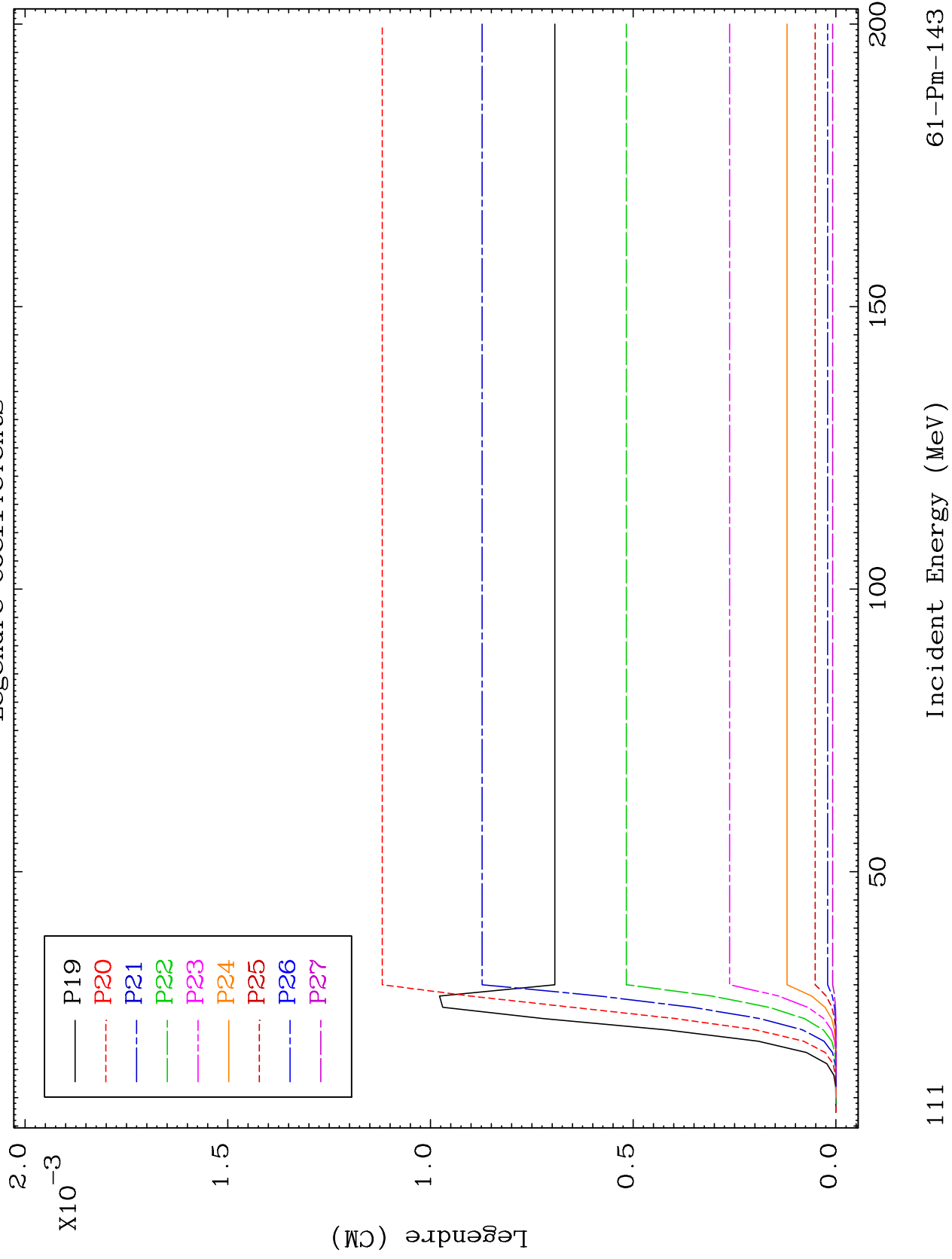
109



MAT 6137

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

61-Pm-143



111

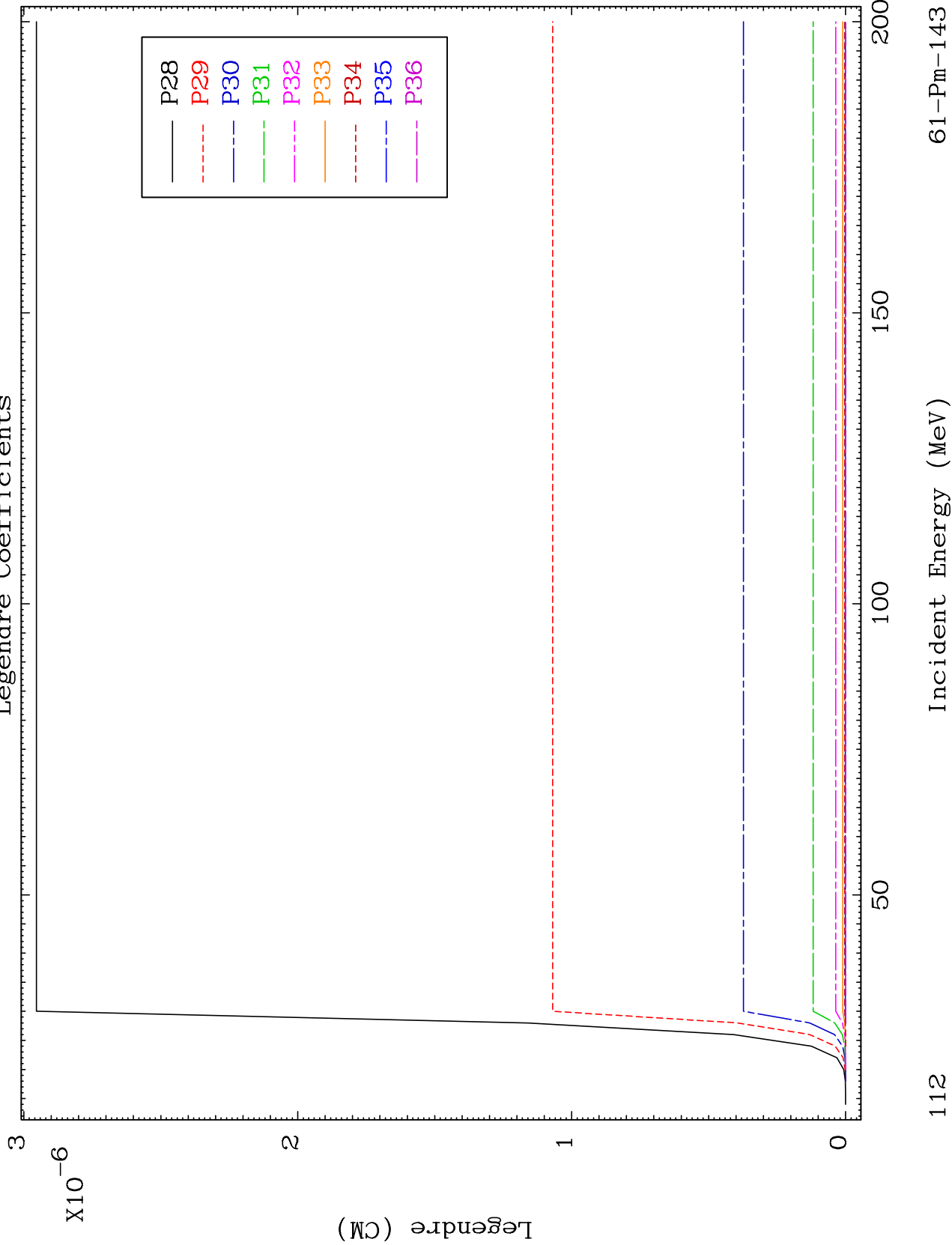
61-Pm-143



MAT 6137

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

61-Pm-143



112

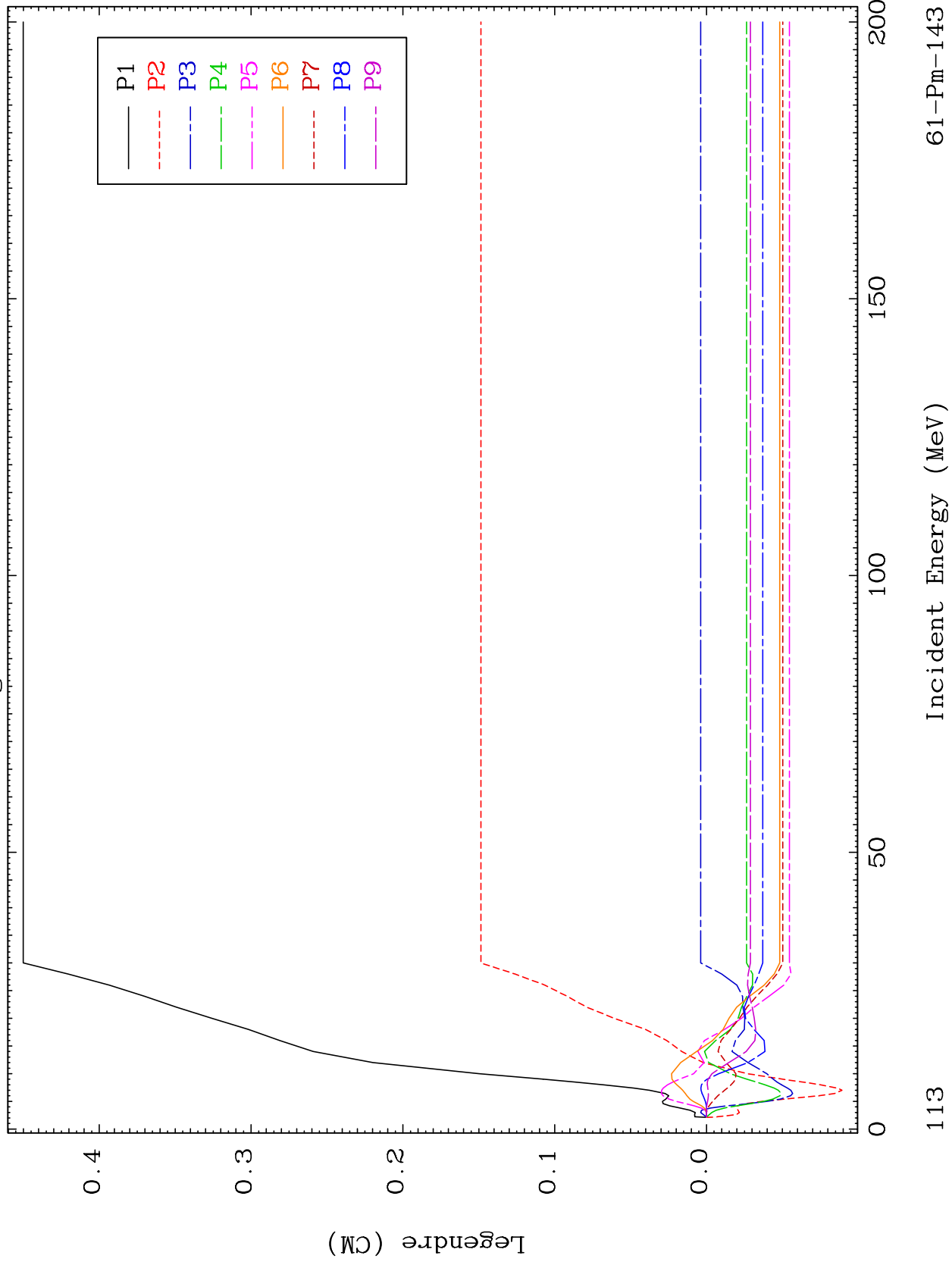
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



61-Pm-143

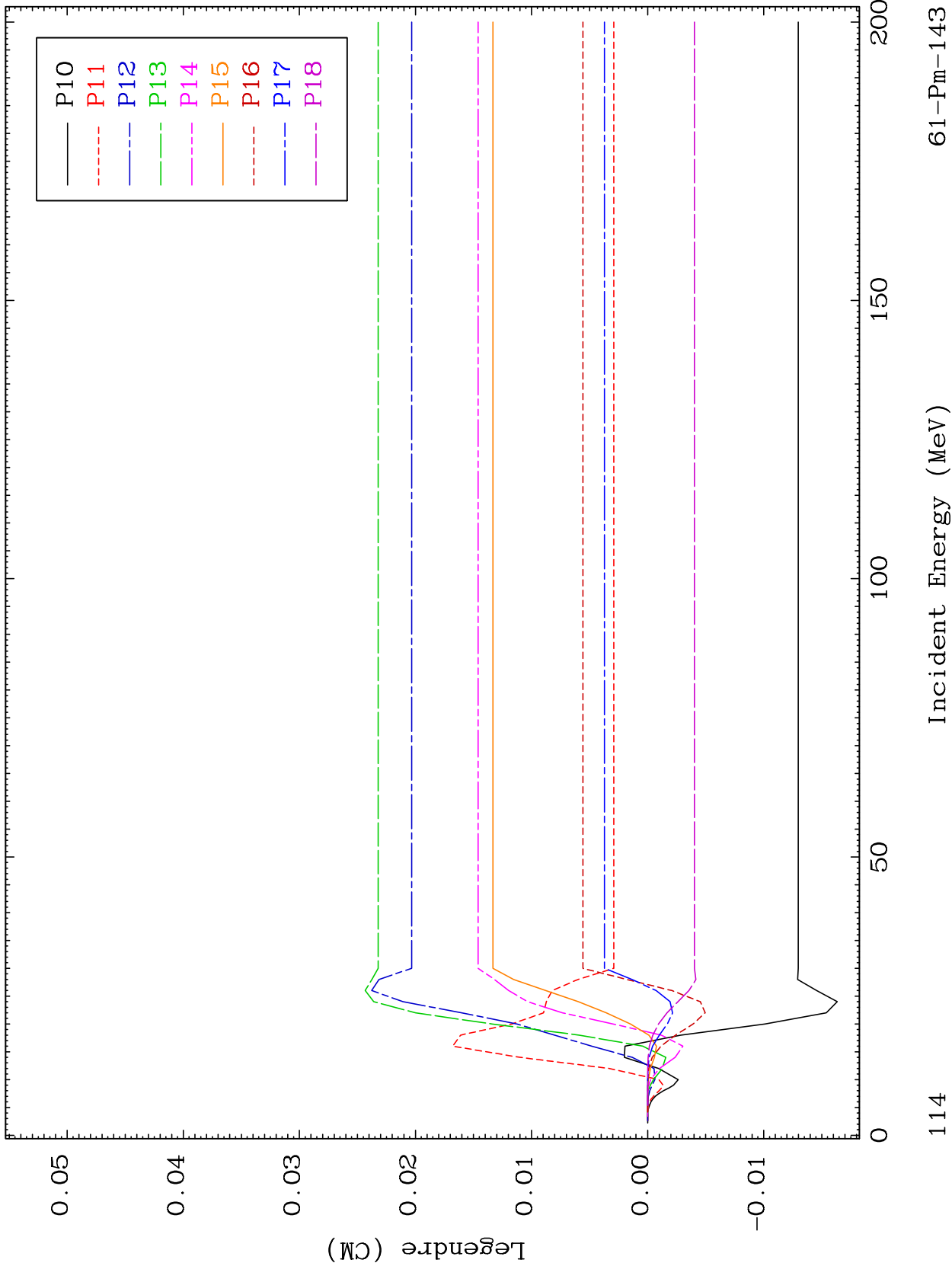
Incident Energy (MeV)

113

MAT 6137

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

61-Pm-143



114

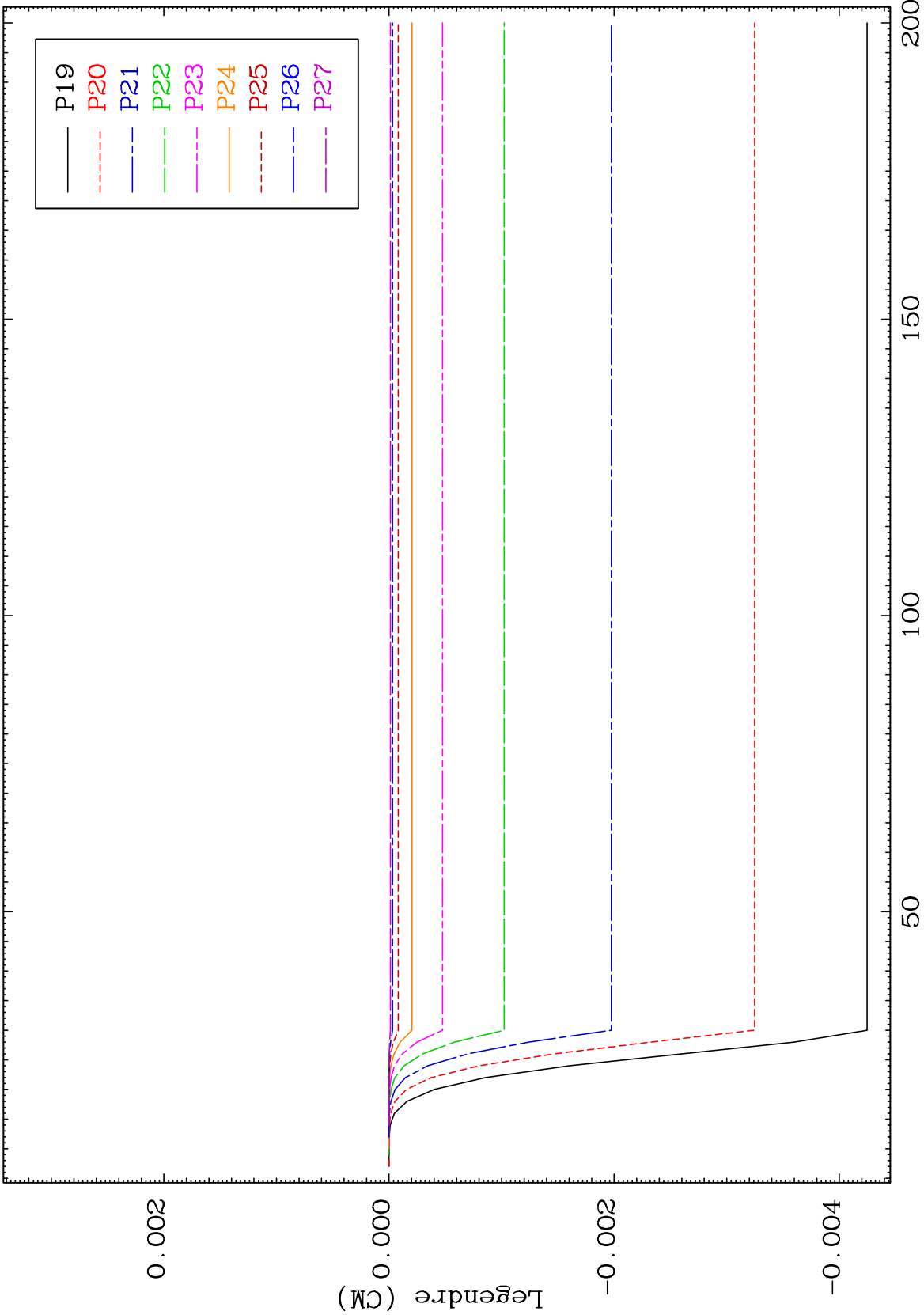
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



115

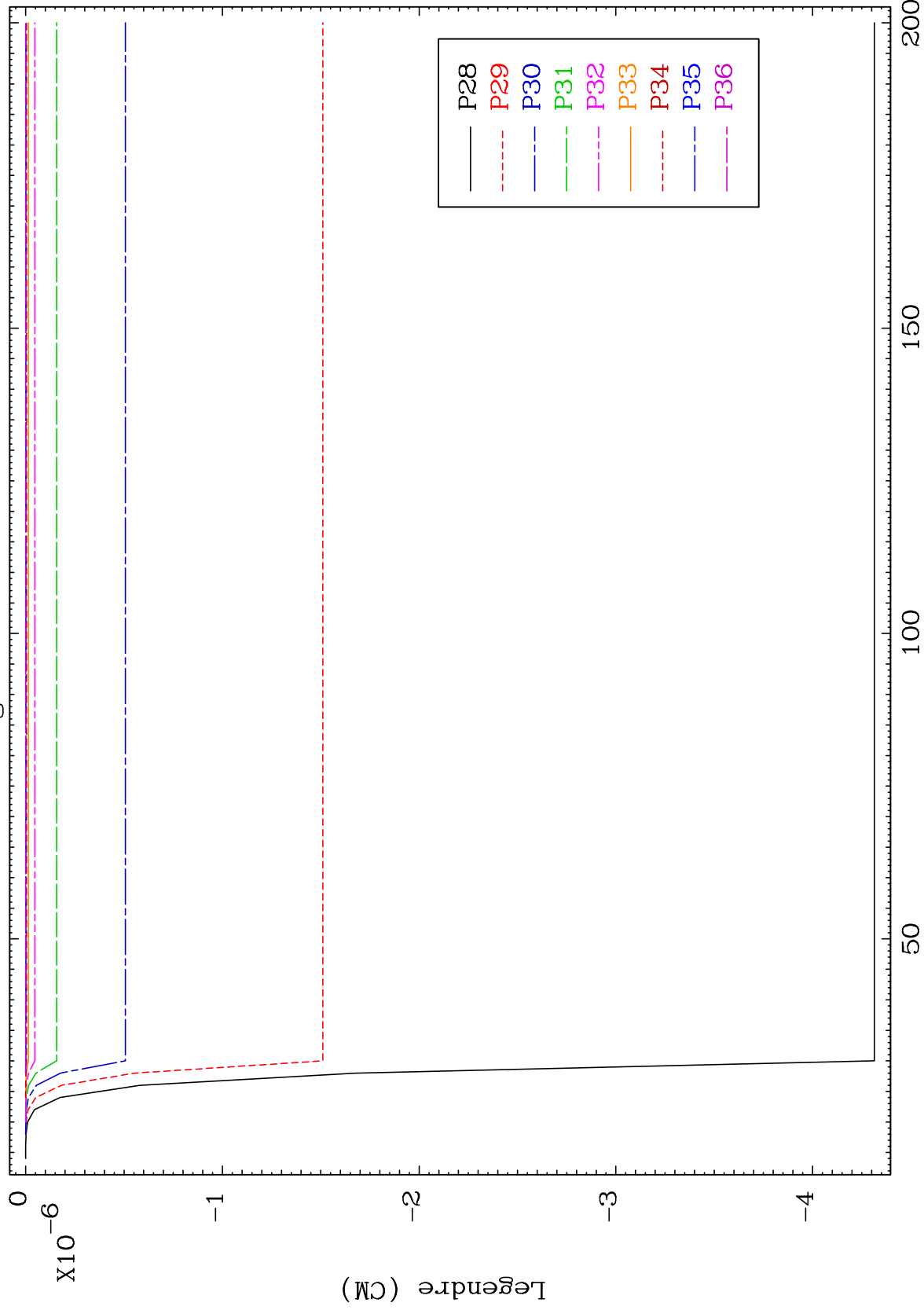
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



116

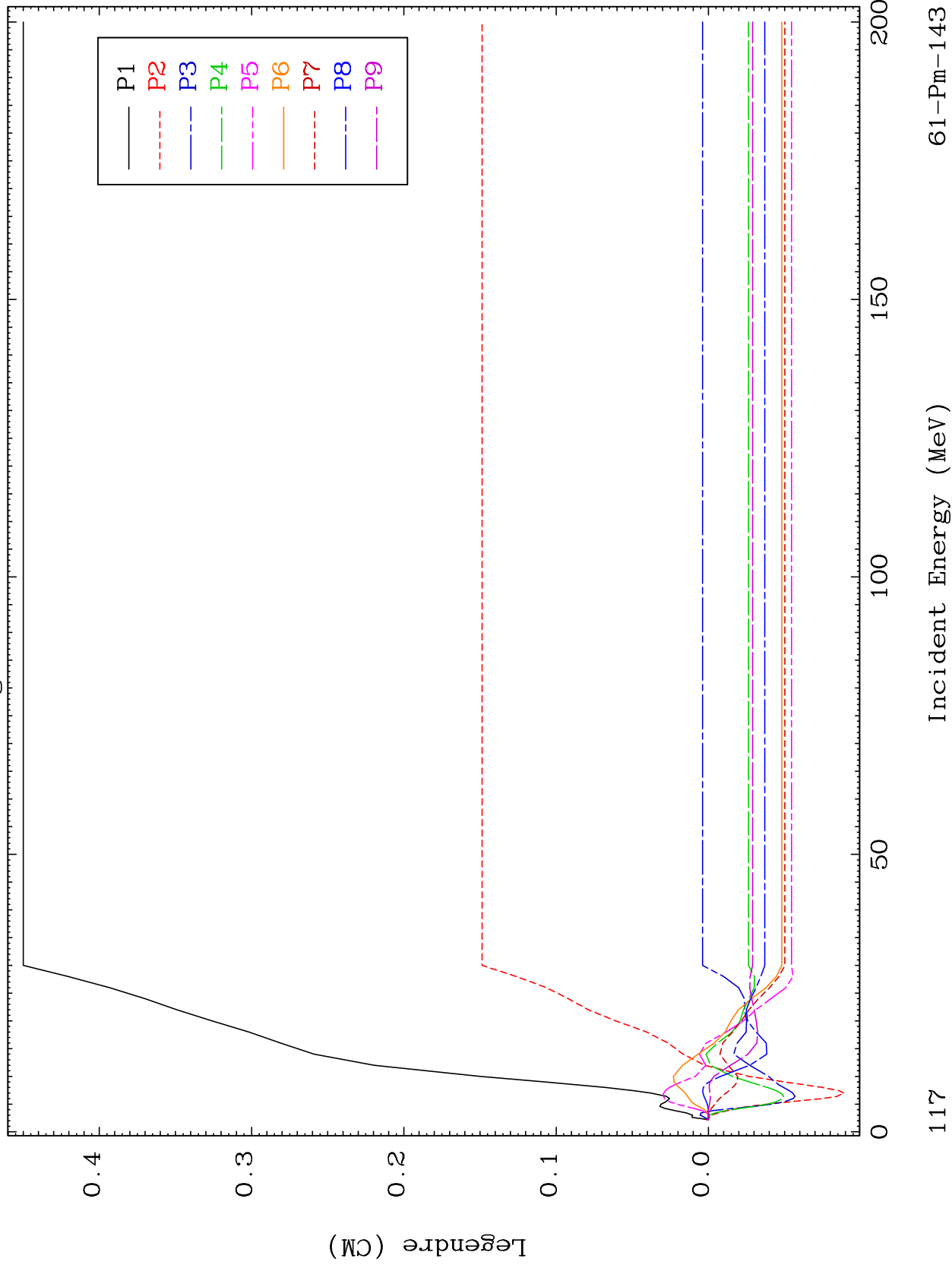
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



61-Pm-143

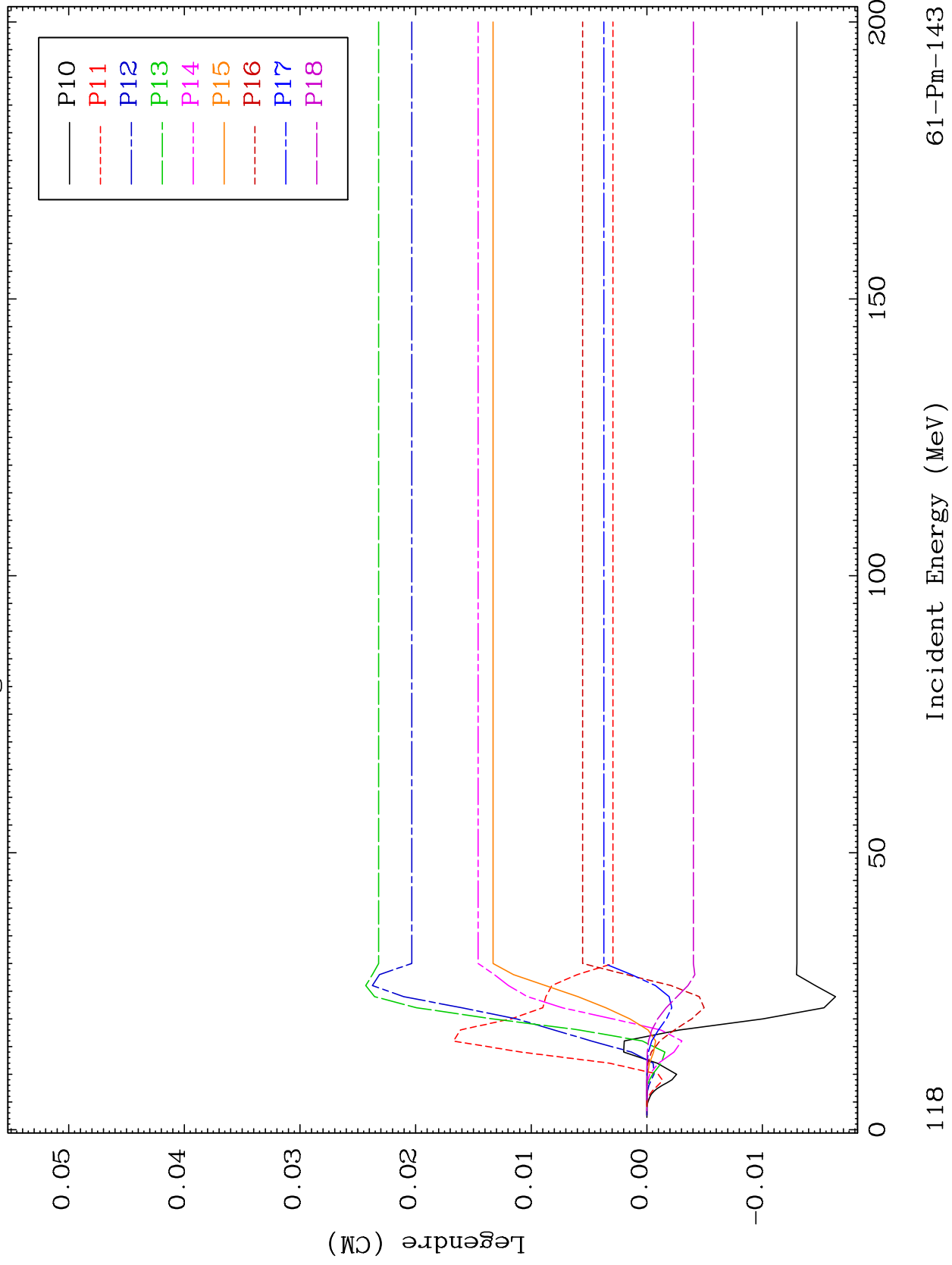
Incident Energy (MeV)

117

MAT 6137

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

61-Pm-143



118

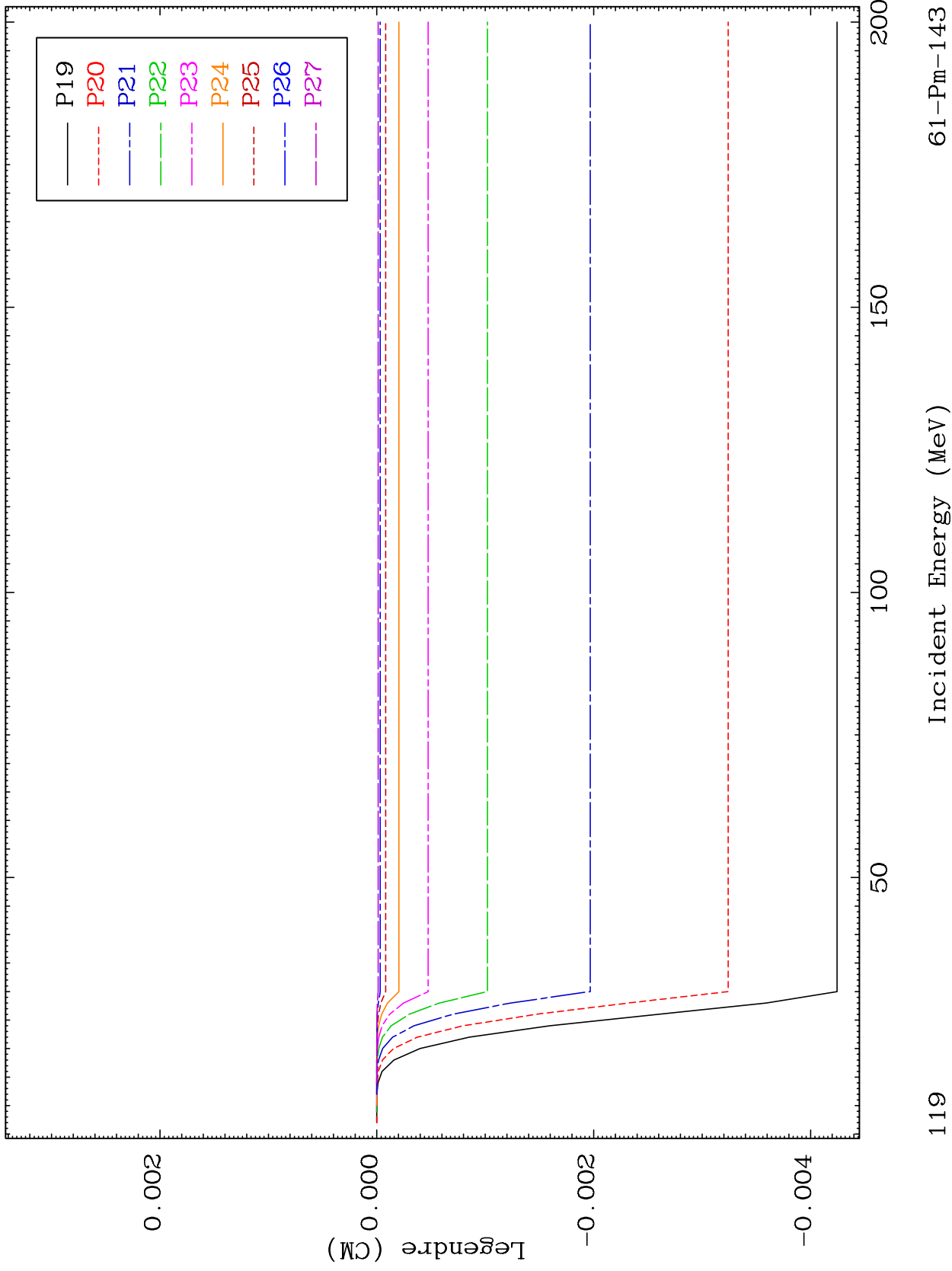
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



119

Incident Energy (MeV)

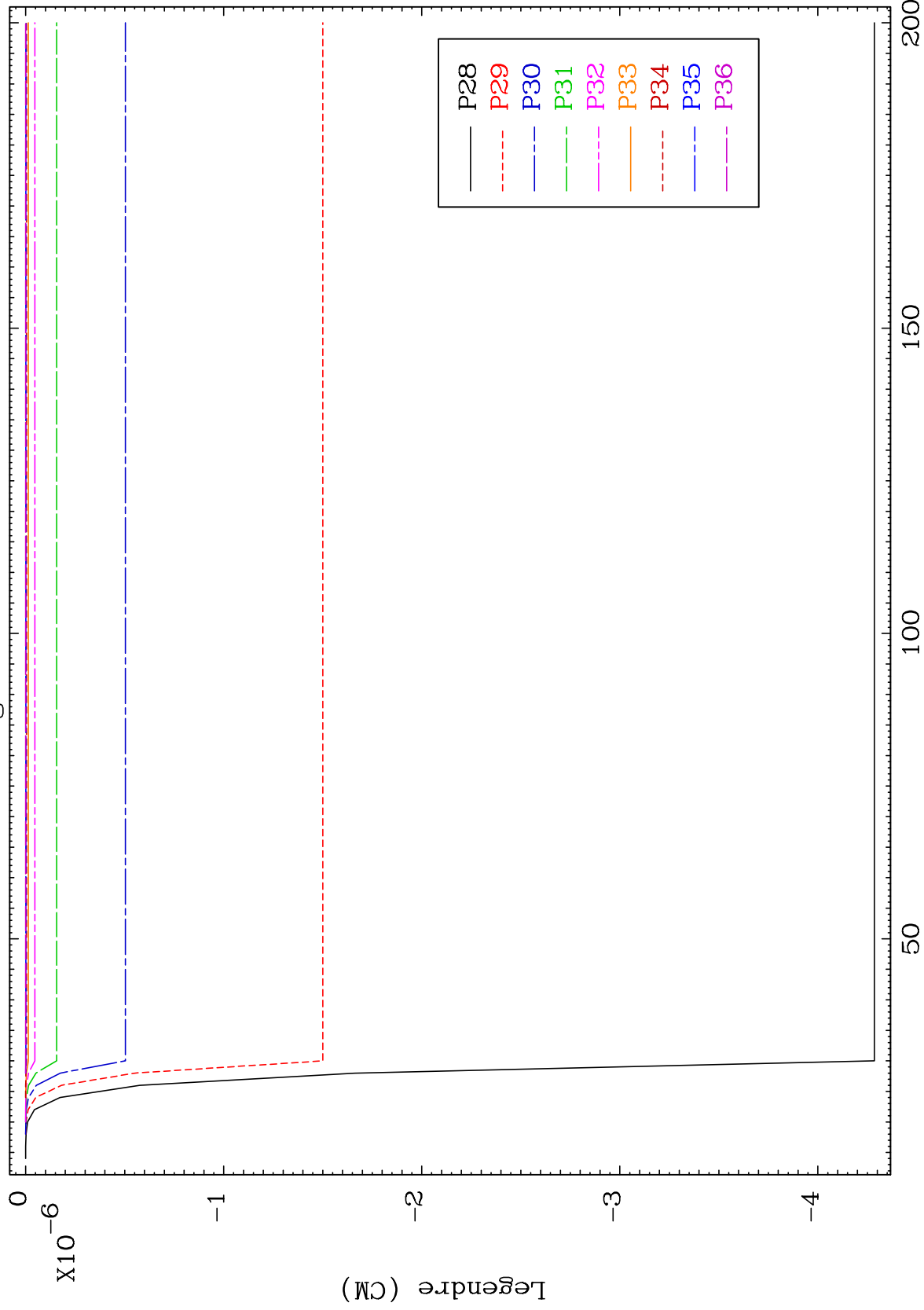
61-Pm-143



MAT 6137

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

61-Pm-143



120

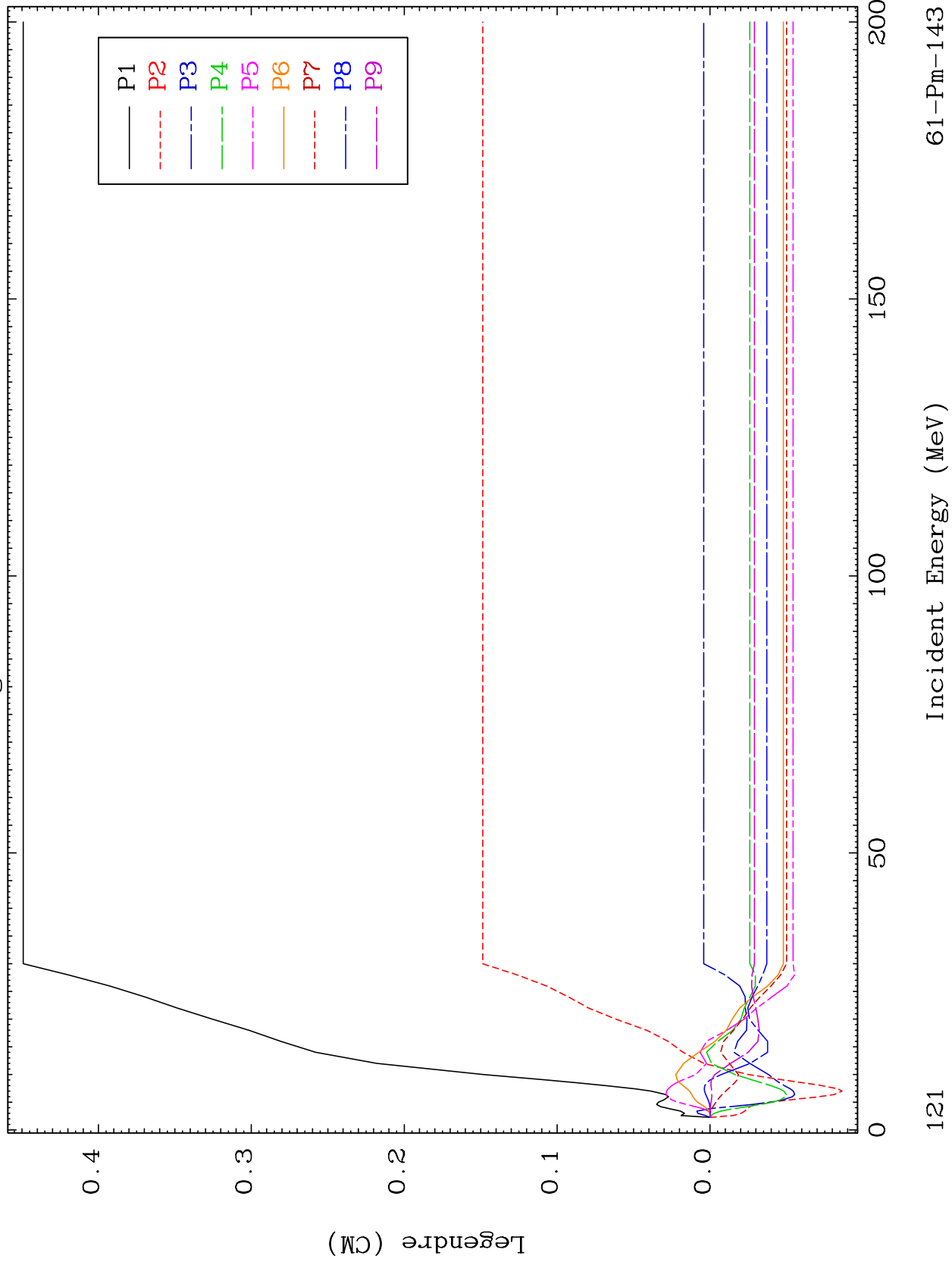
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



61-Pm-143

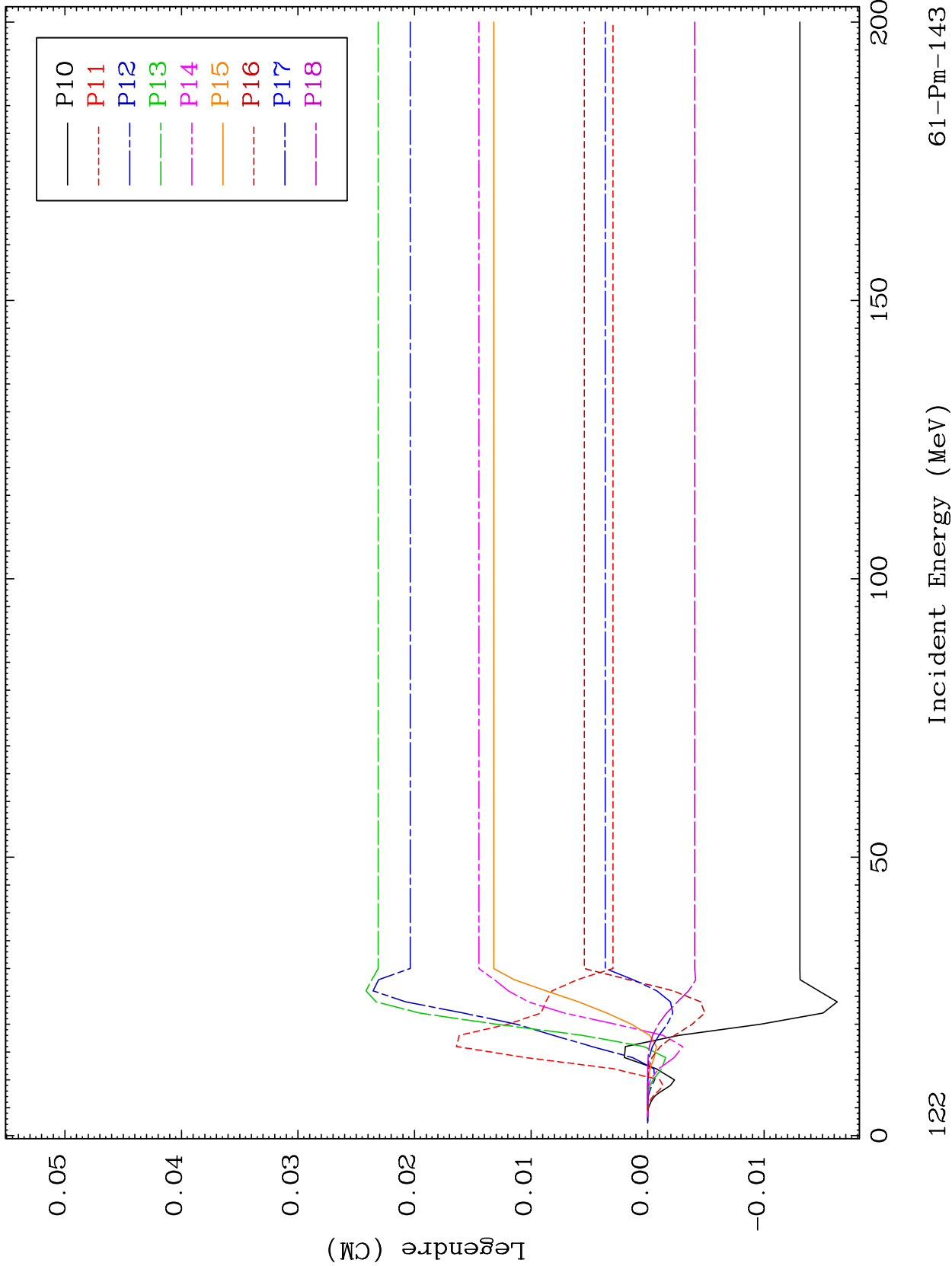
Incident Energy (MeV)

121

MAT 6137

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

61-Pm-143



122

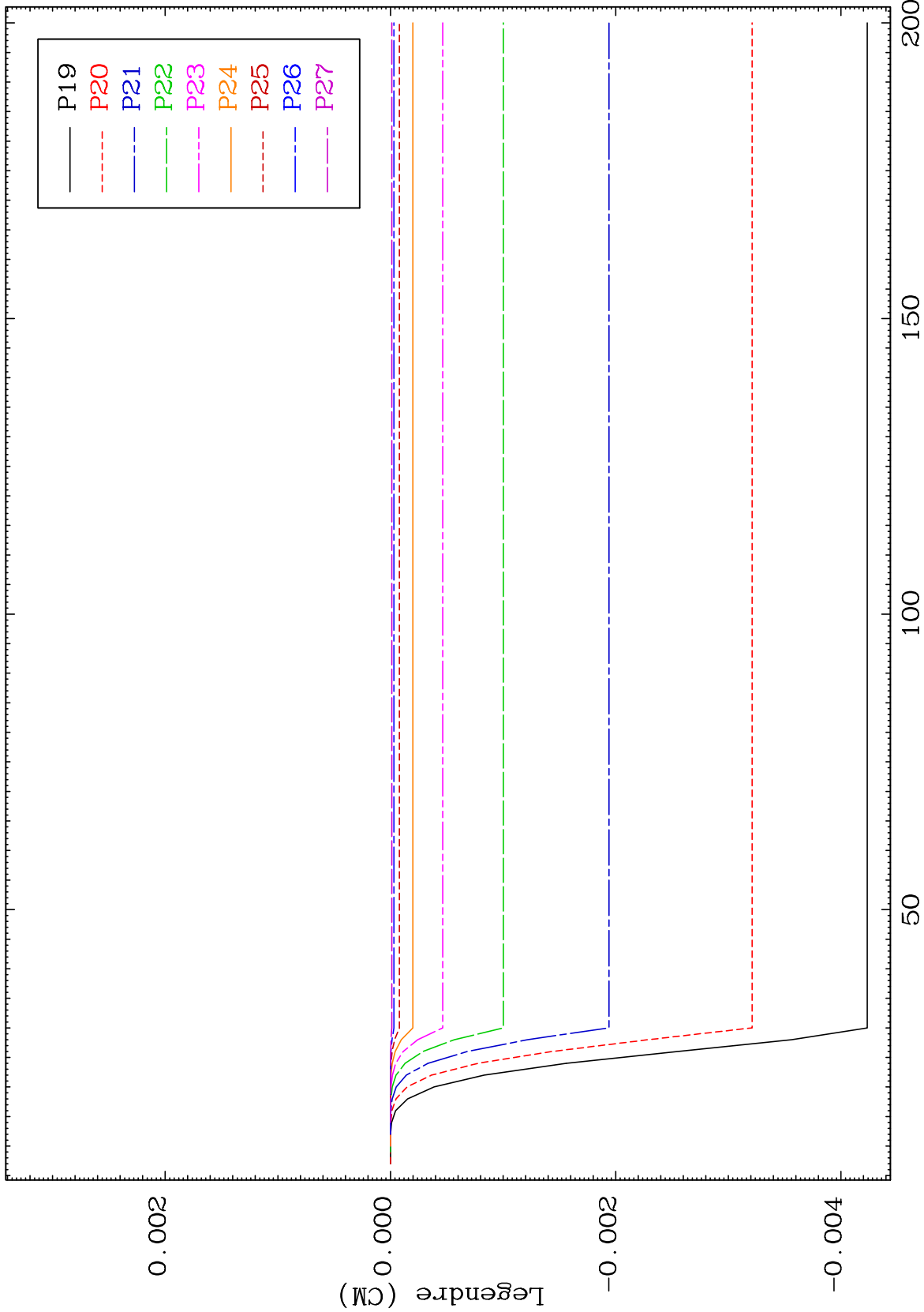
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



123

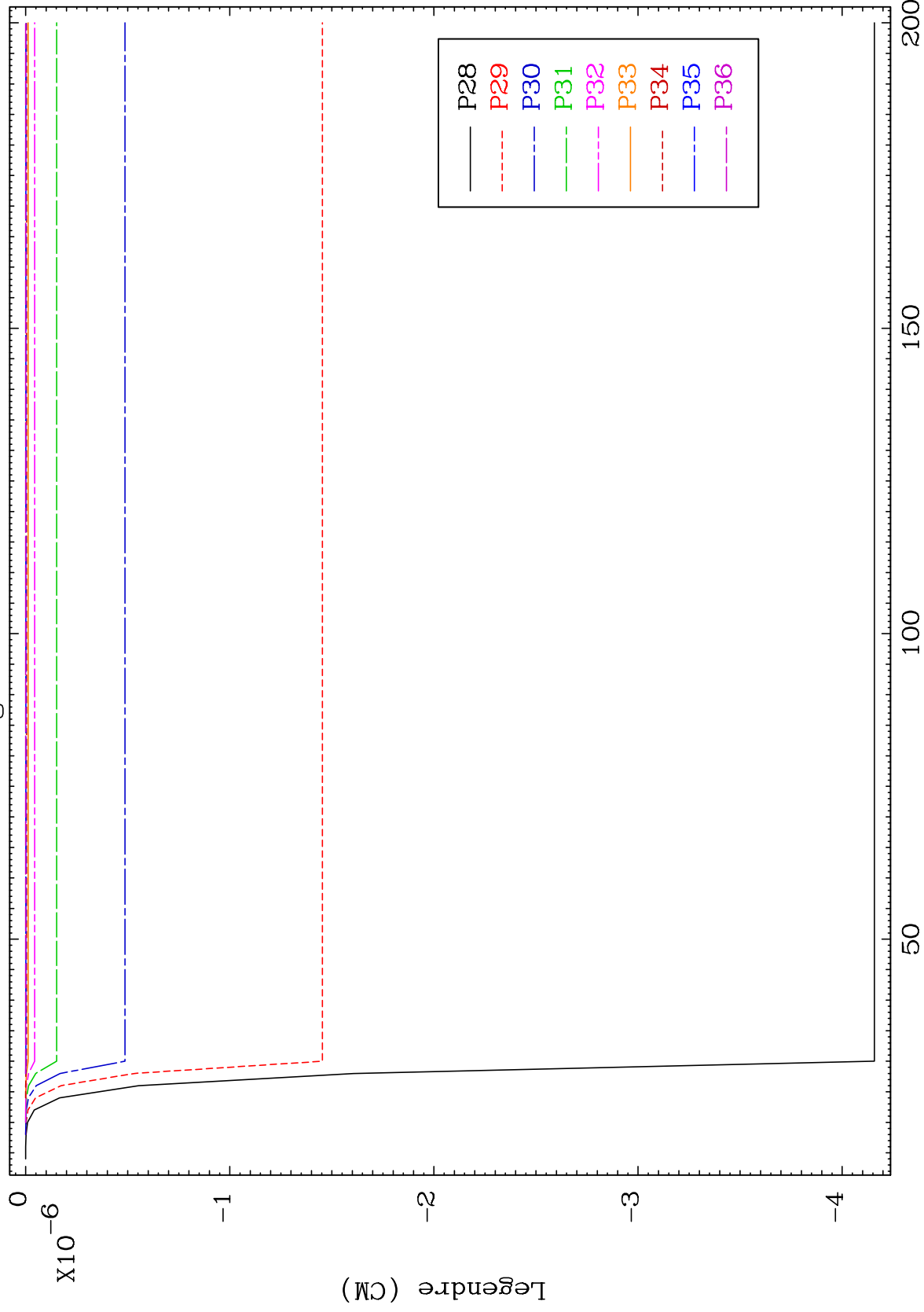
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



124

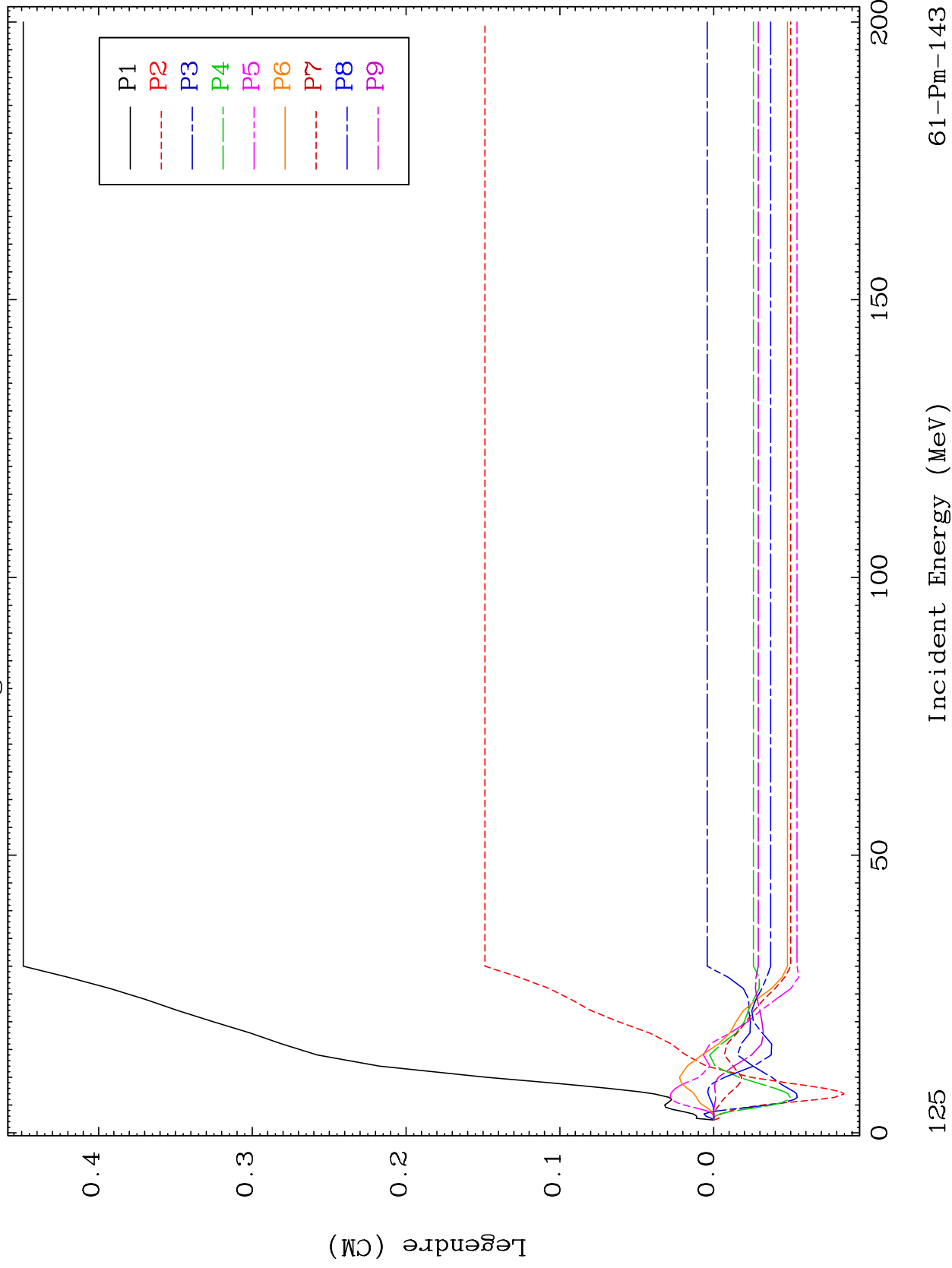
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



61-Pm-143

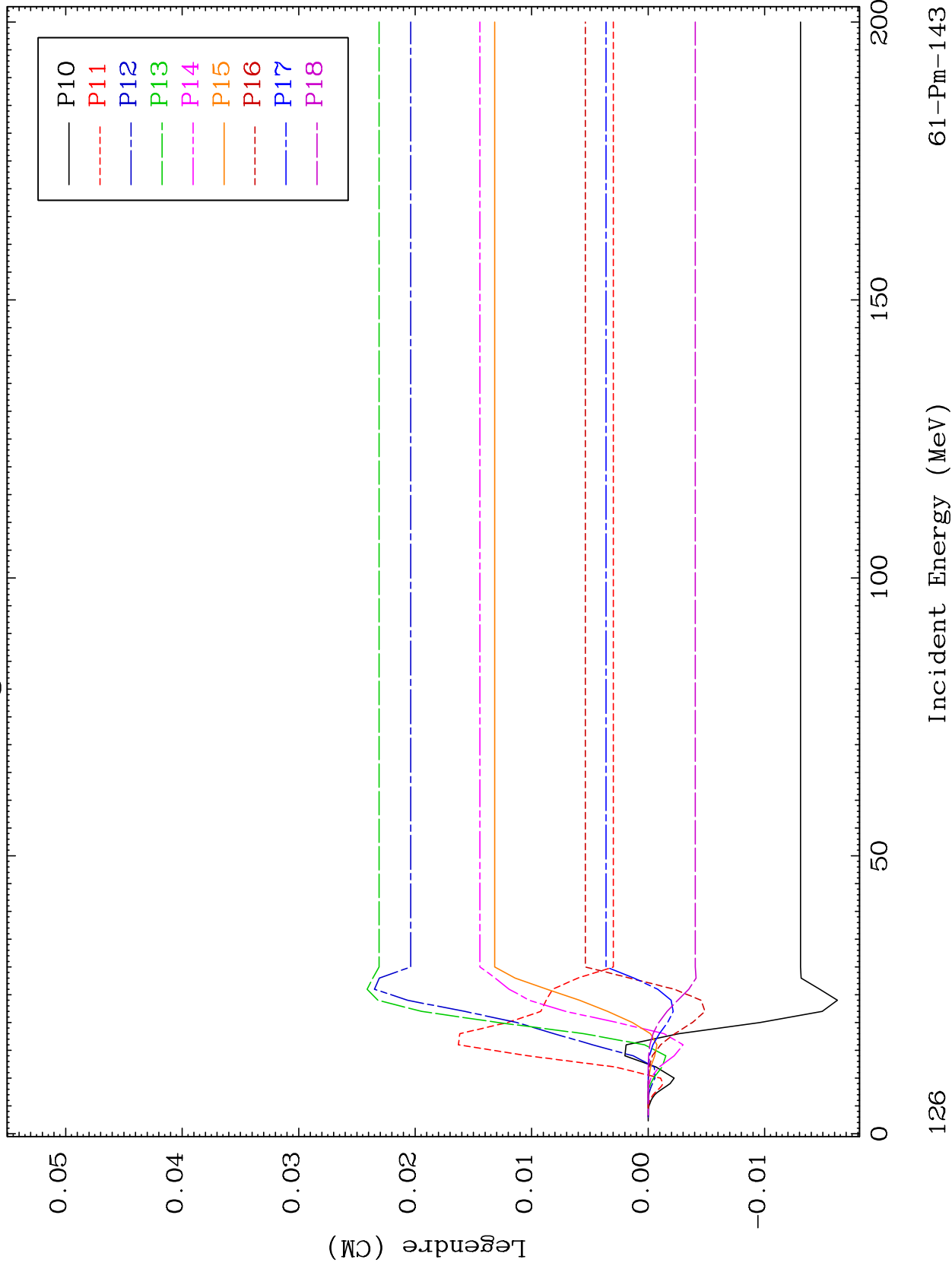
Incident Energy (MeV)

125

MAT 6137

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

61-Pm-143



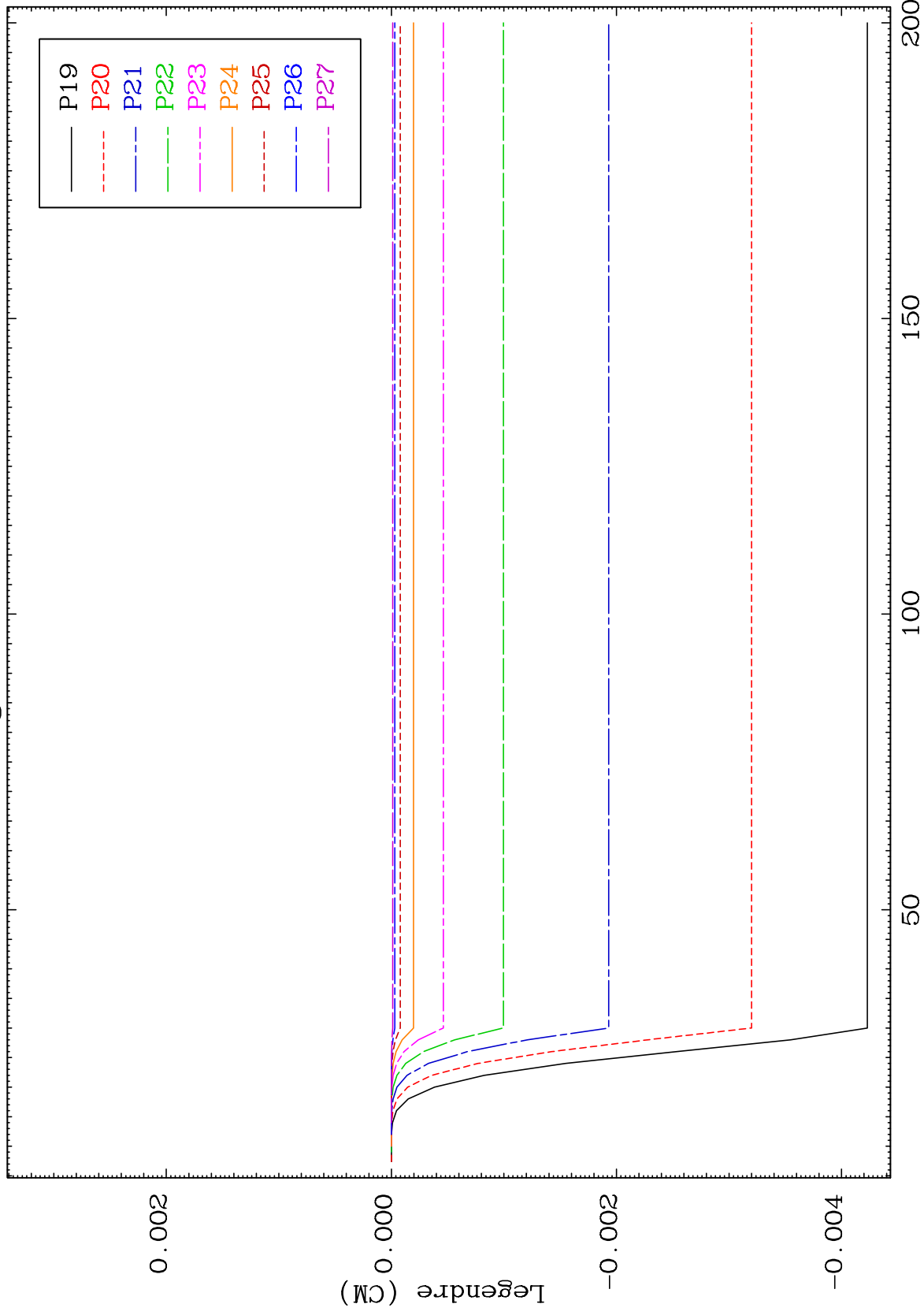
126

61-Pm-143

MAT 6137

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

61-Pm-143



127

Incident Energy (MeV)

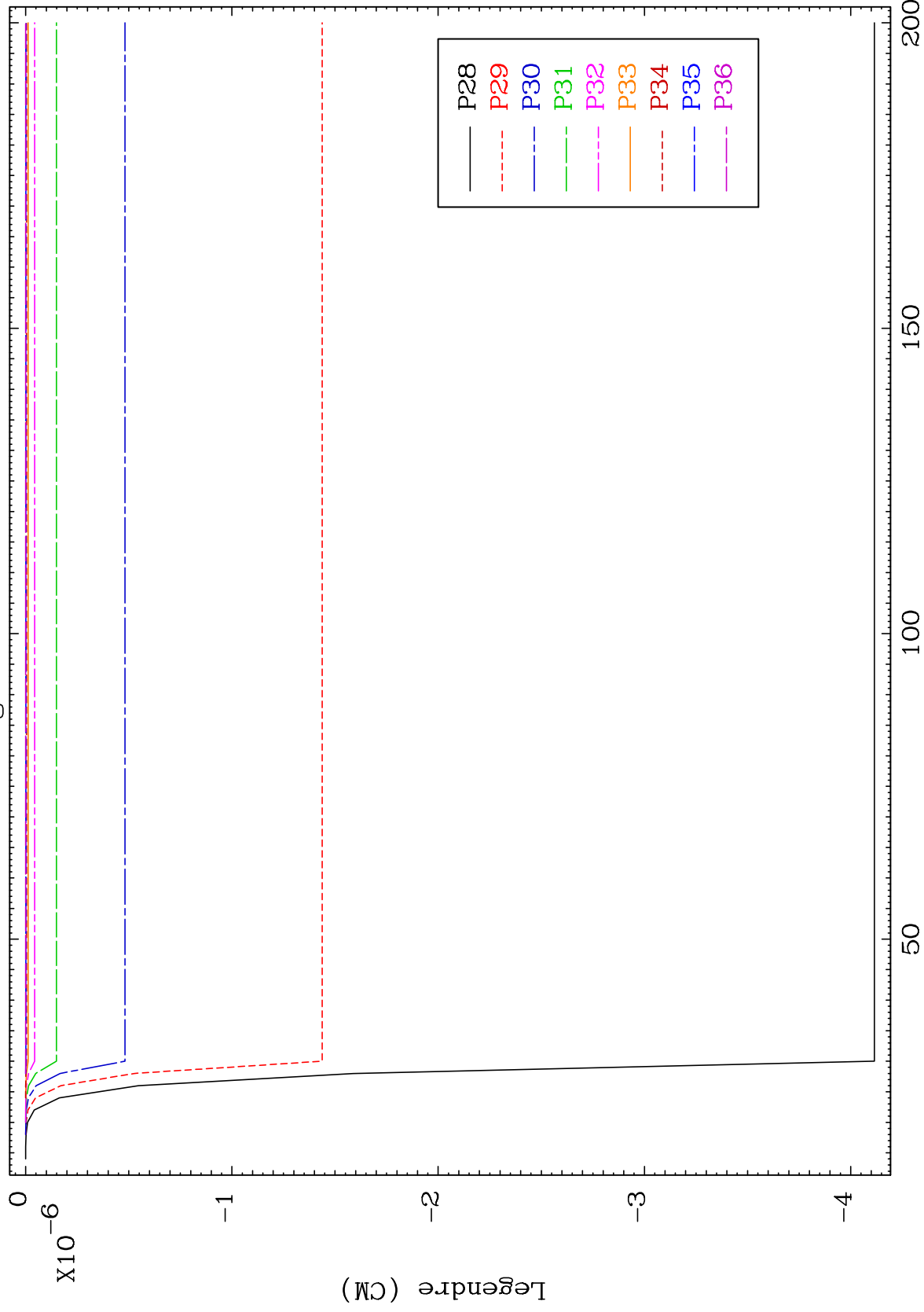
61-Pm-143



MAT 6137

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

61-Pm-143



128

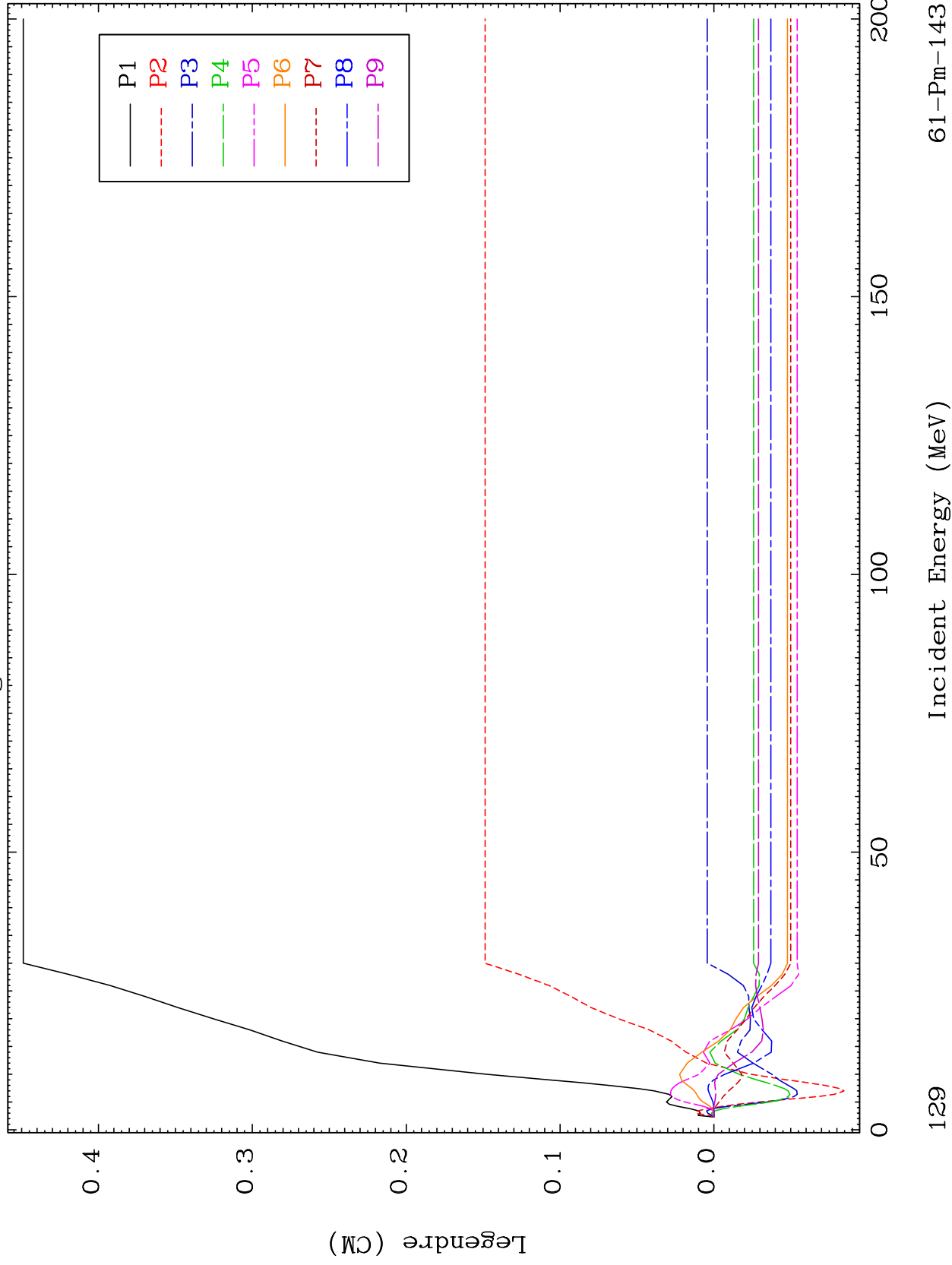
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



61-Pm-143

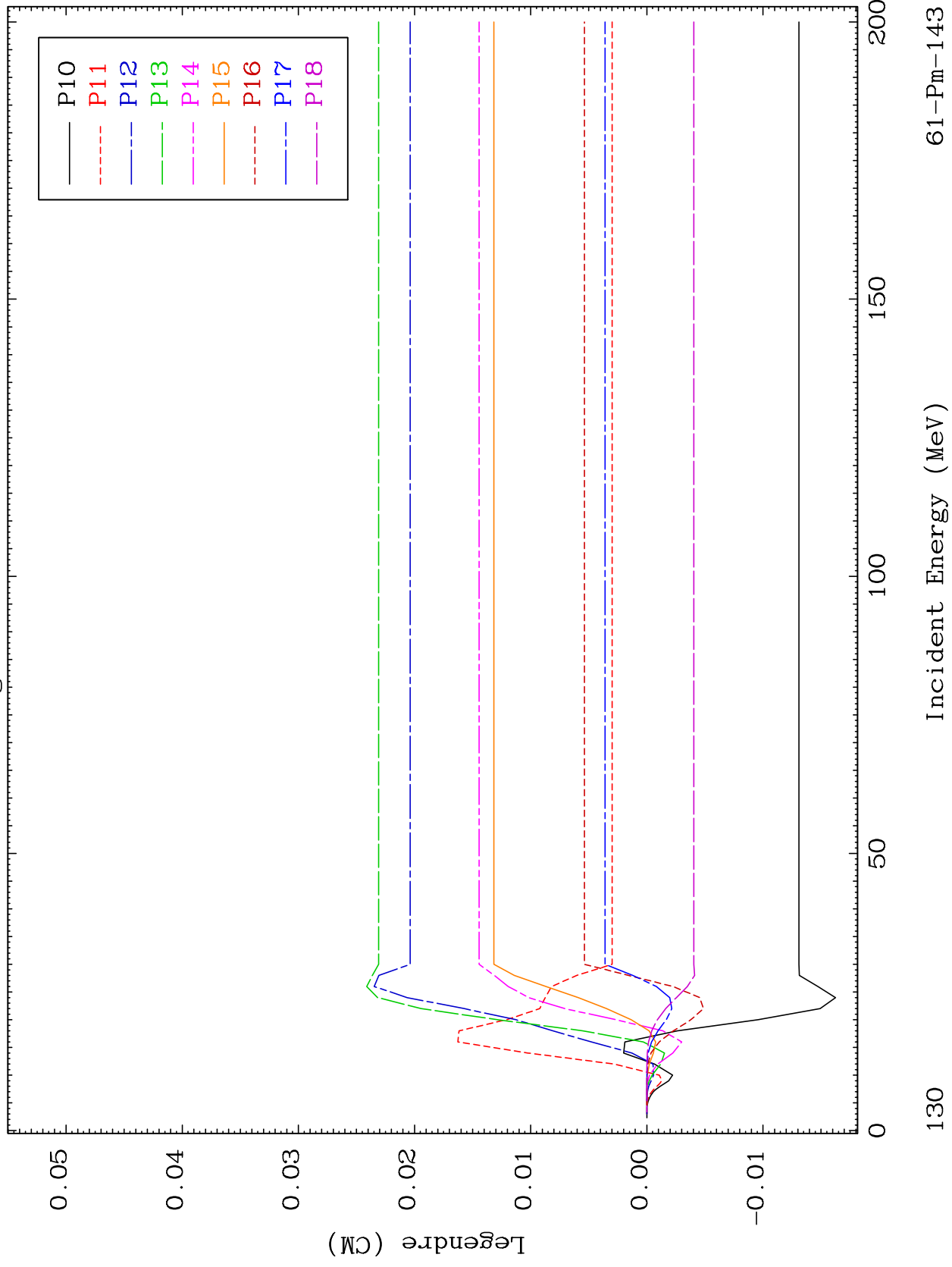
Incident Energy (MeV)

129

MAT 6137

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

61-Pm-143



61-Pm-143

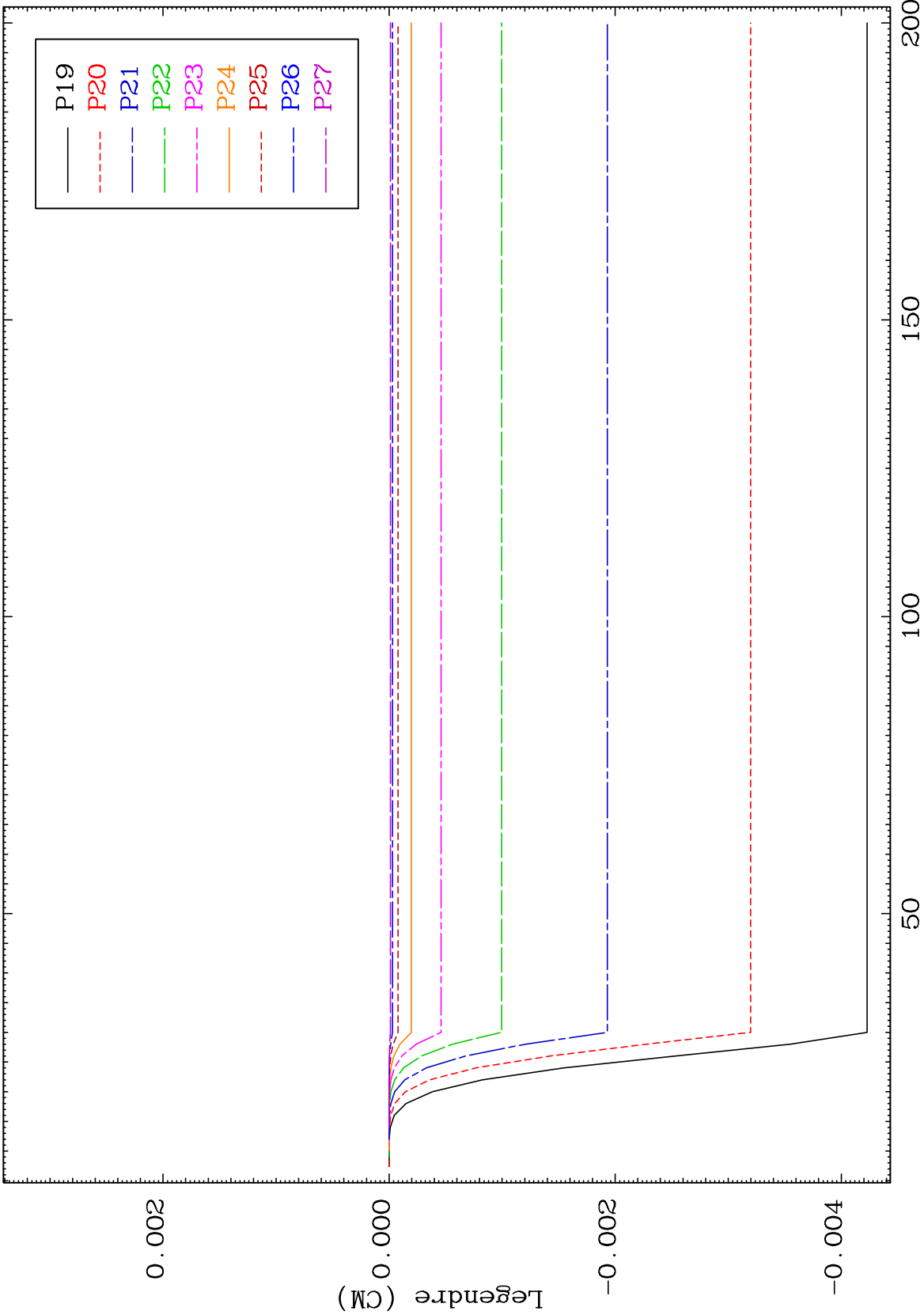
Incident Energy (MeV)

130

MAT 6137

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

61-Pm-143



131

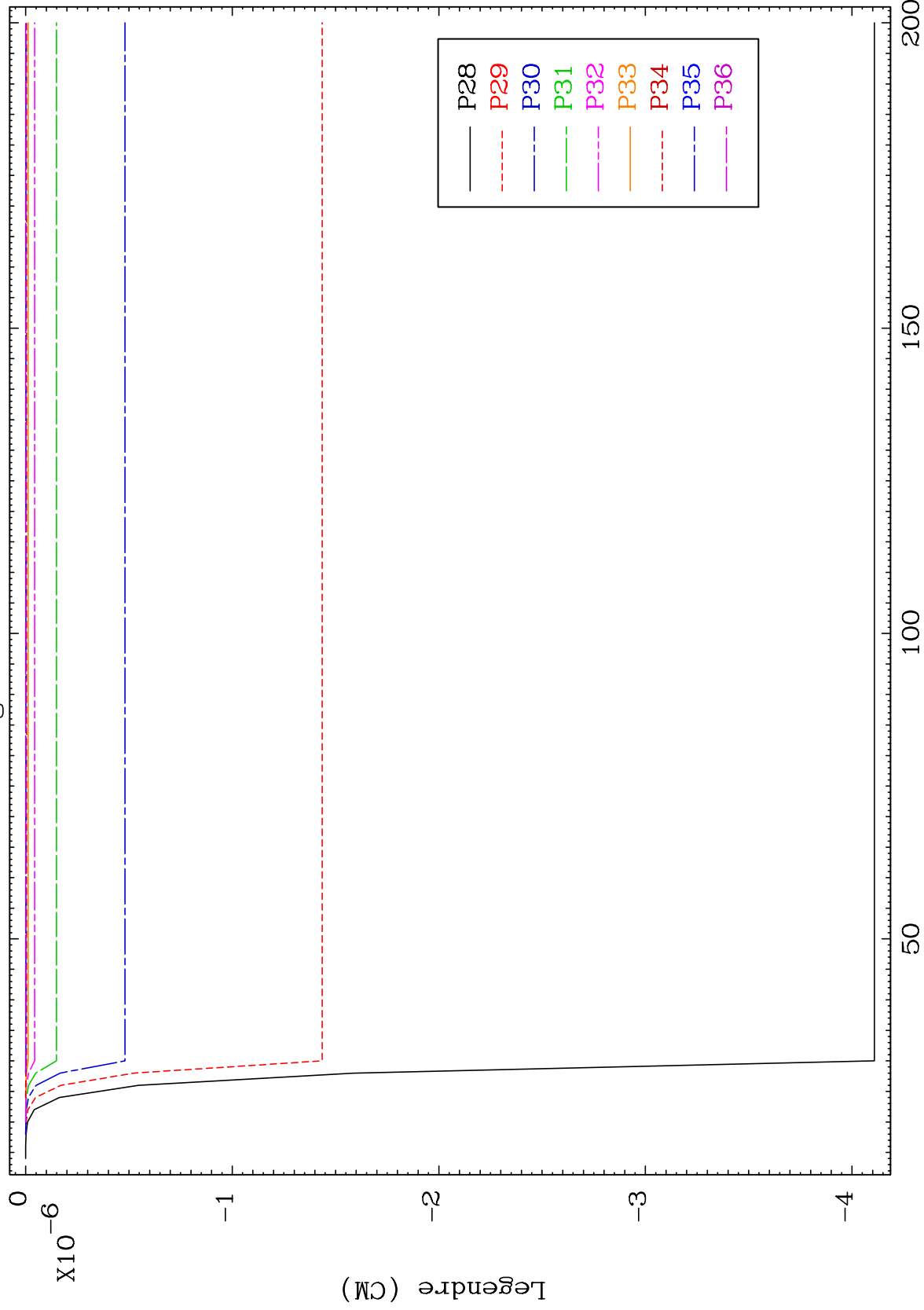
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



132

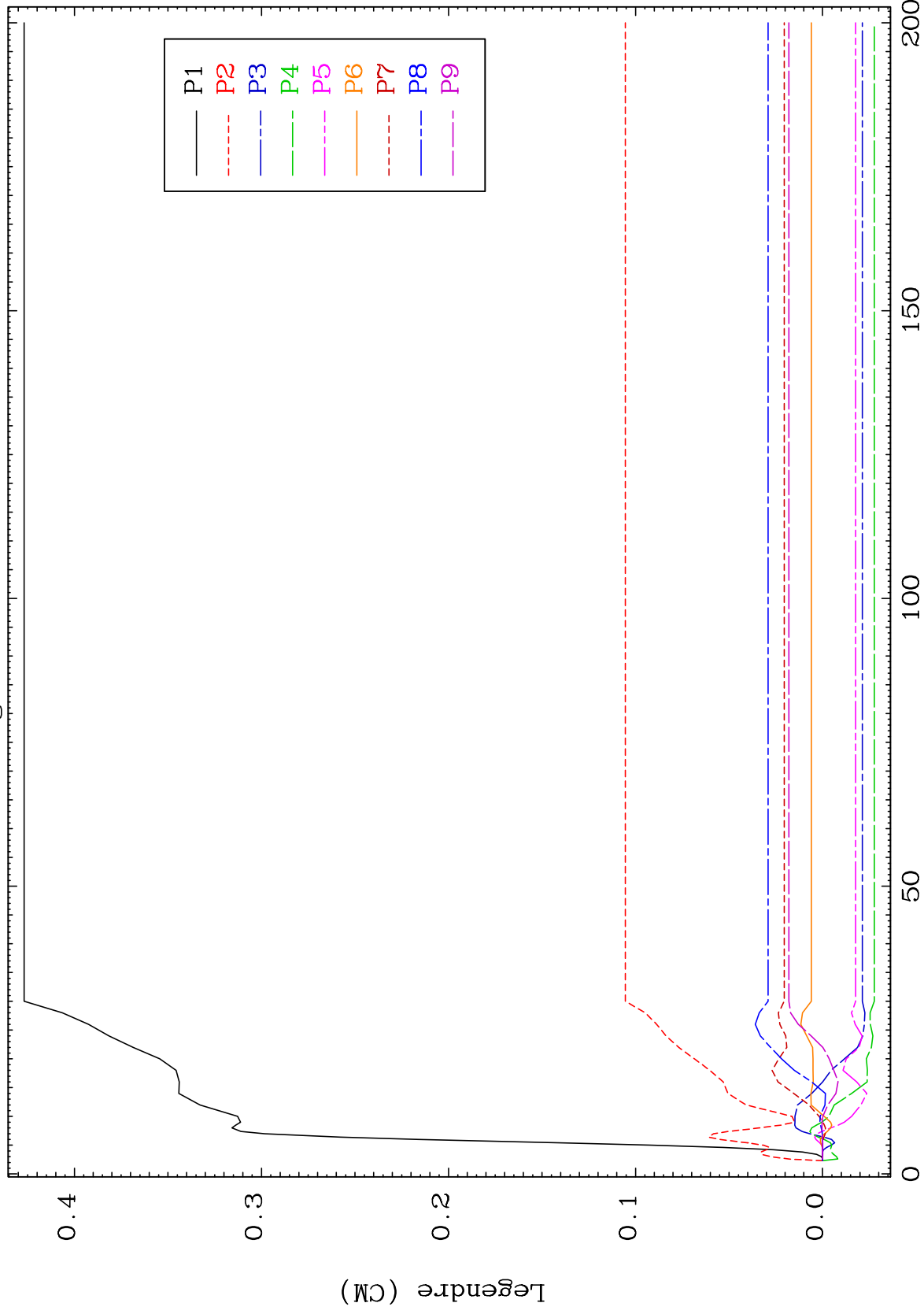
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



133

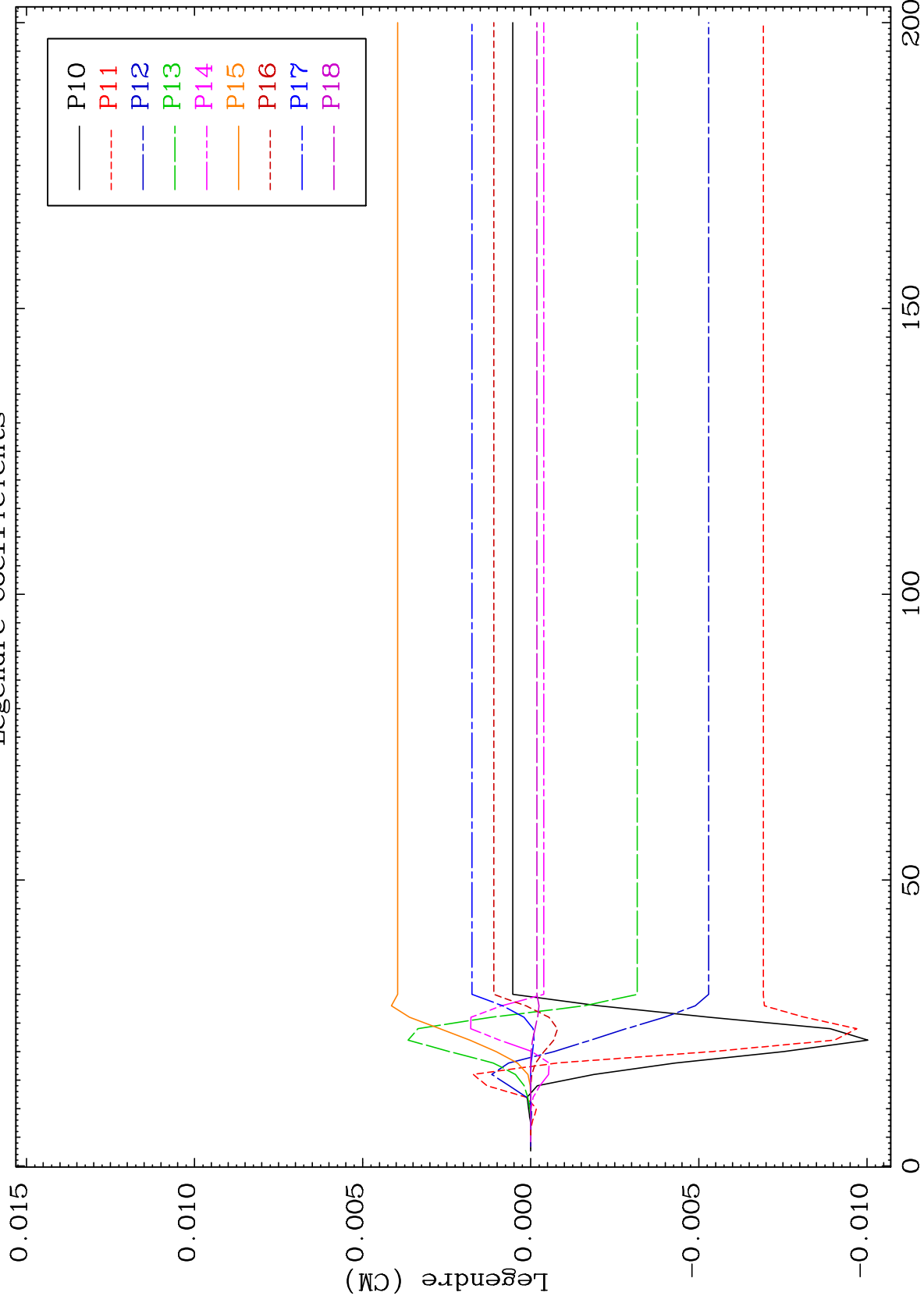
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



134

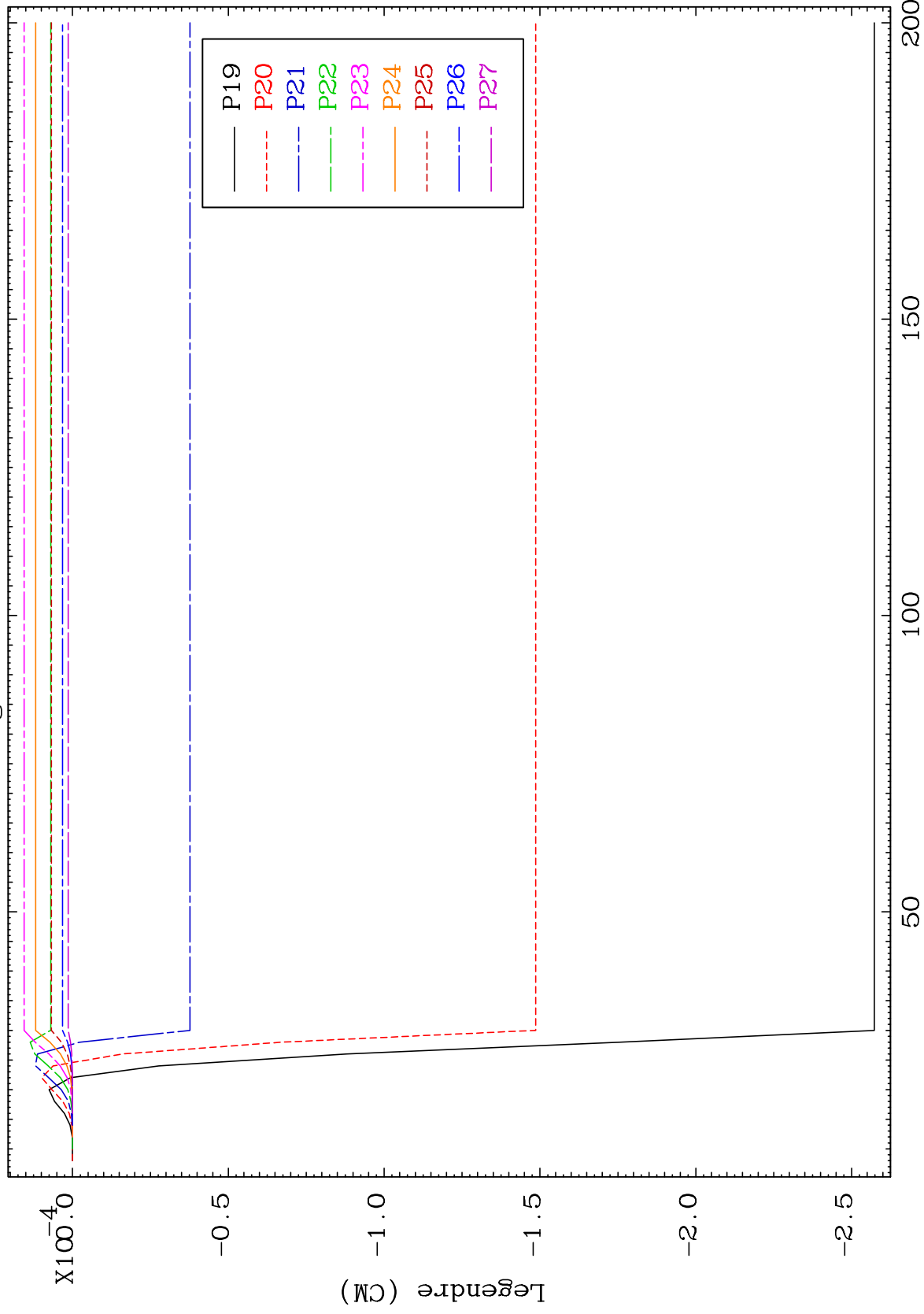
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



135

Incident Energy (MeV)

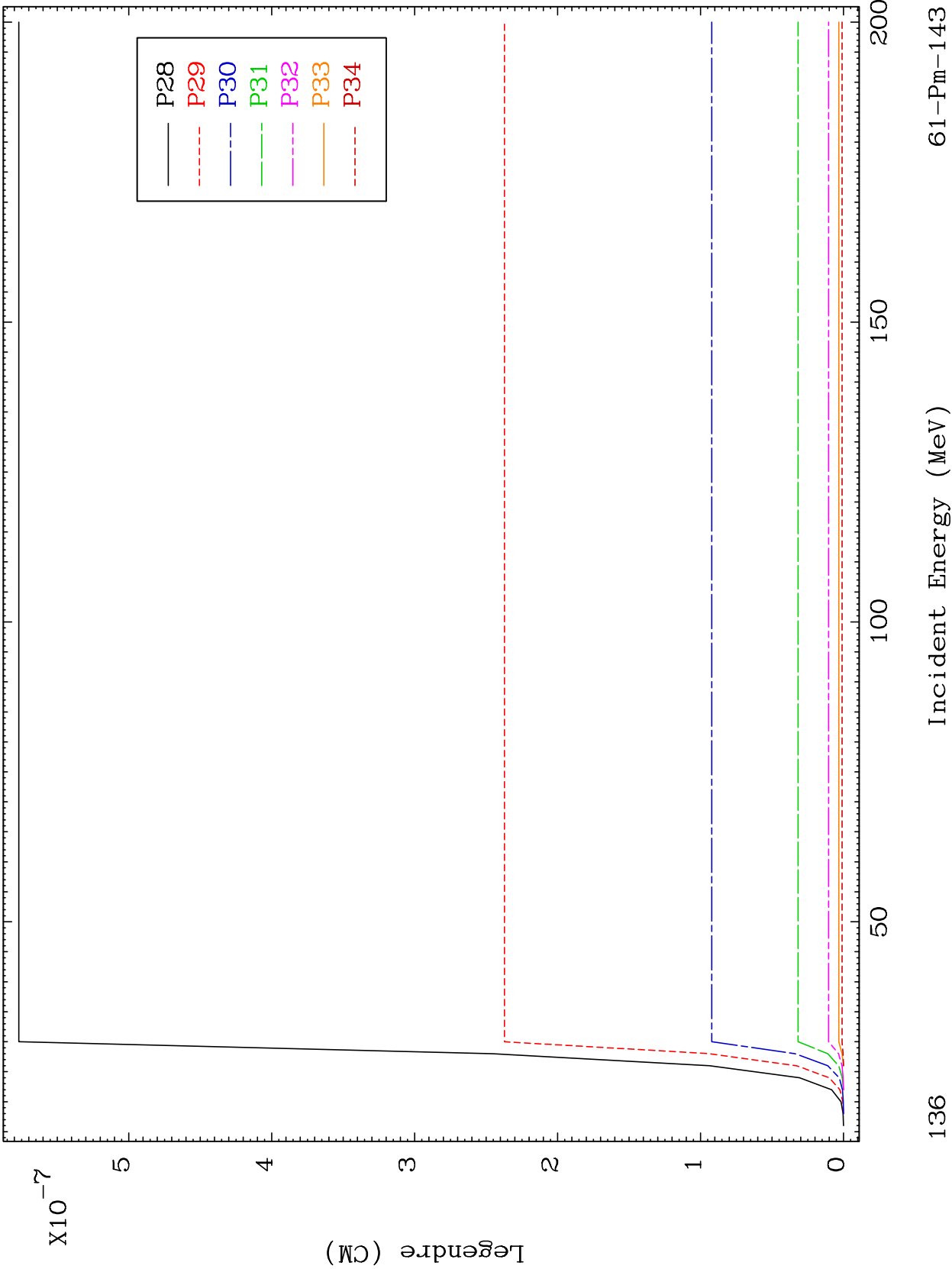
61-Pm-143



MAT 6137

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

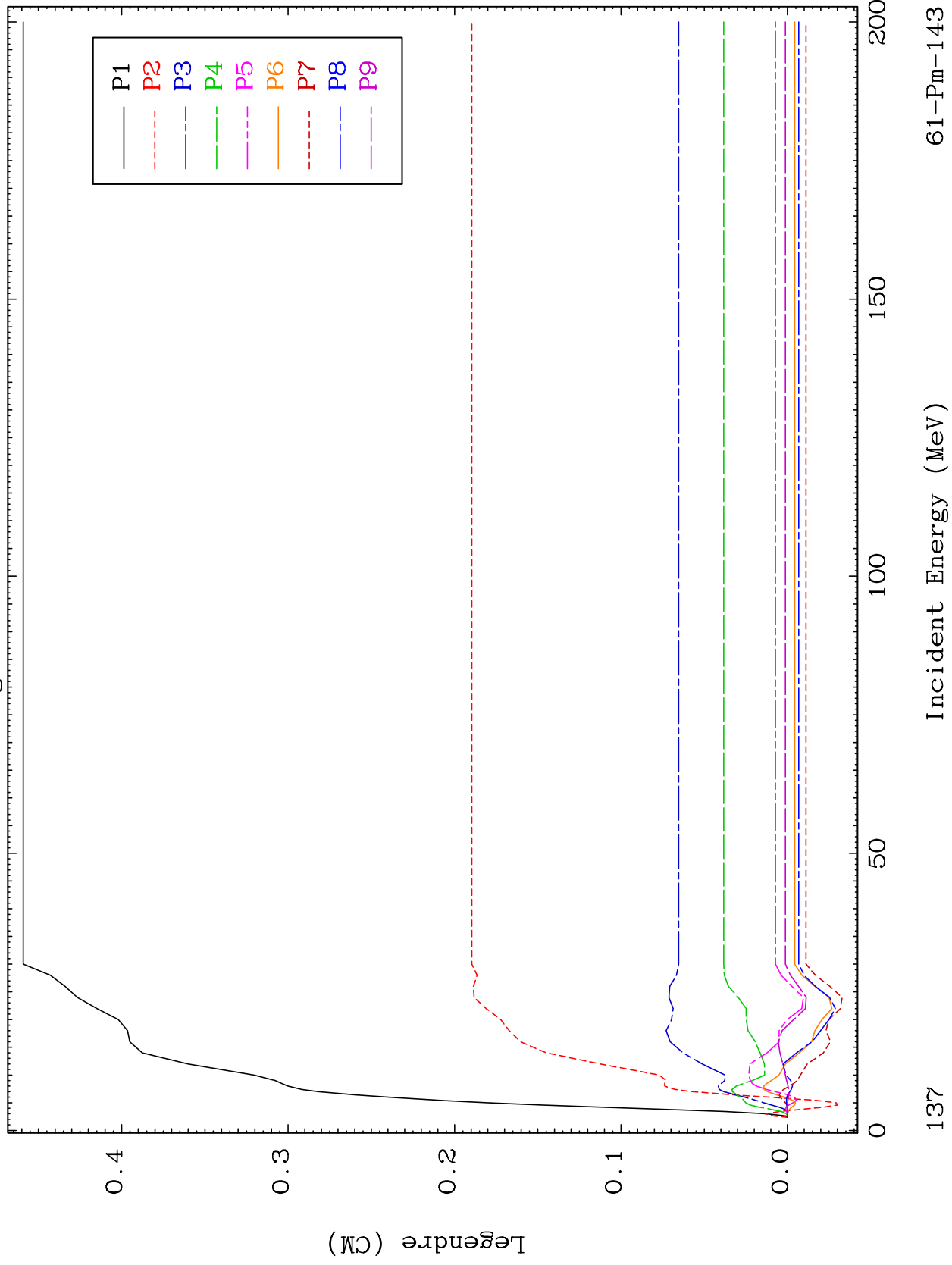
61-Pm-143



MAT 6137

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

61-Pm-143



61-Pm-143

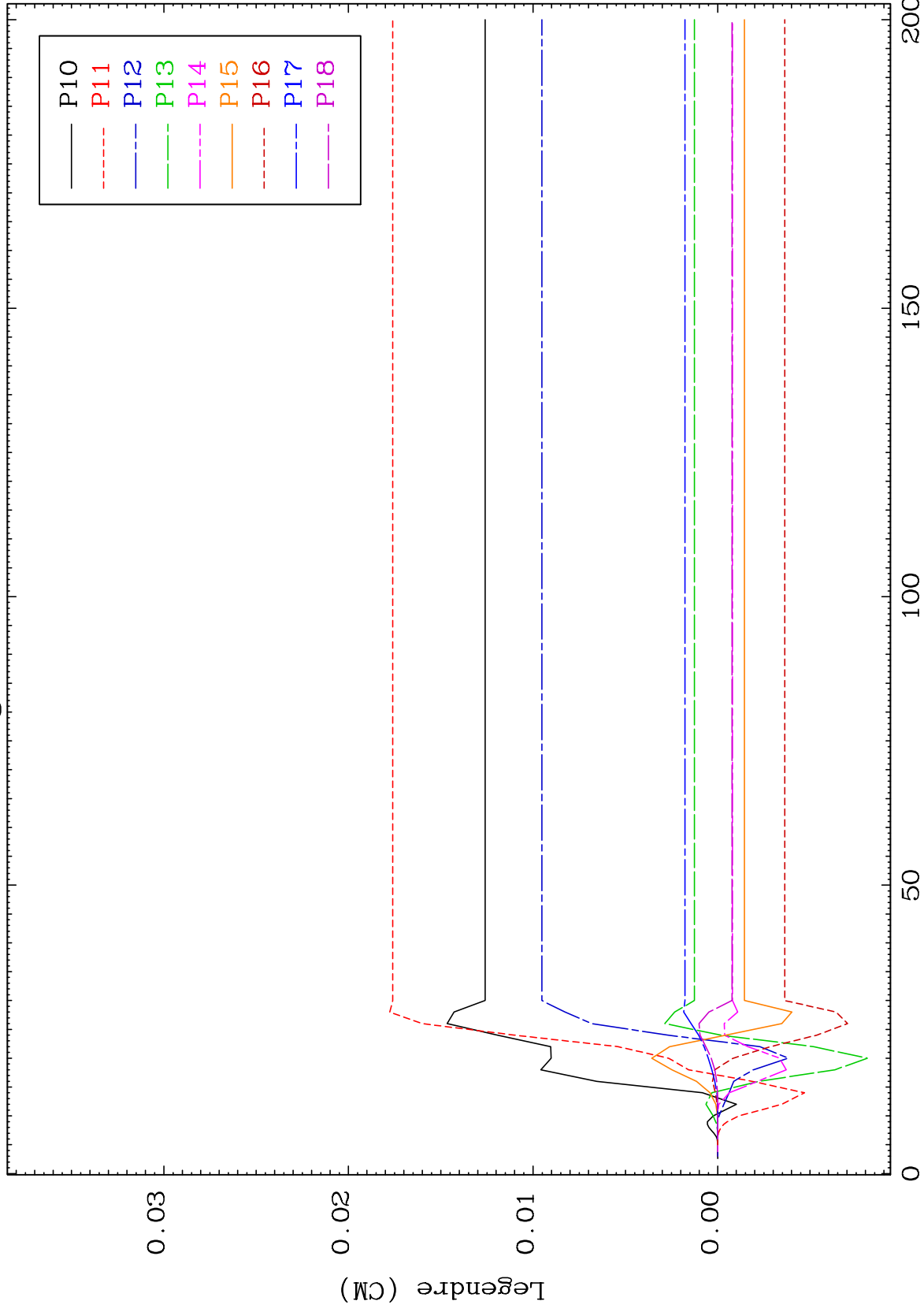
Incident Energy (MeV)

137

MAT 6137

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

61-Pm-143



61-Pm-143

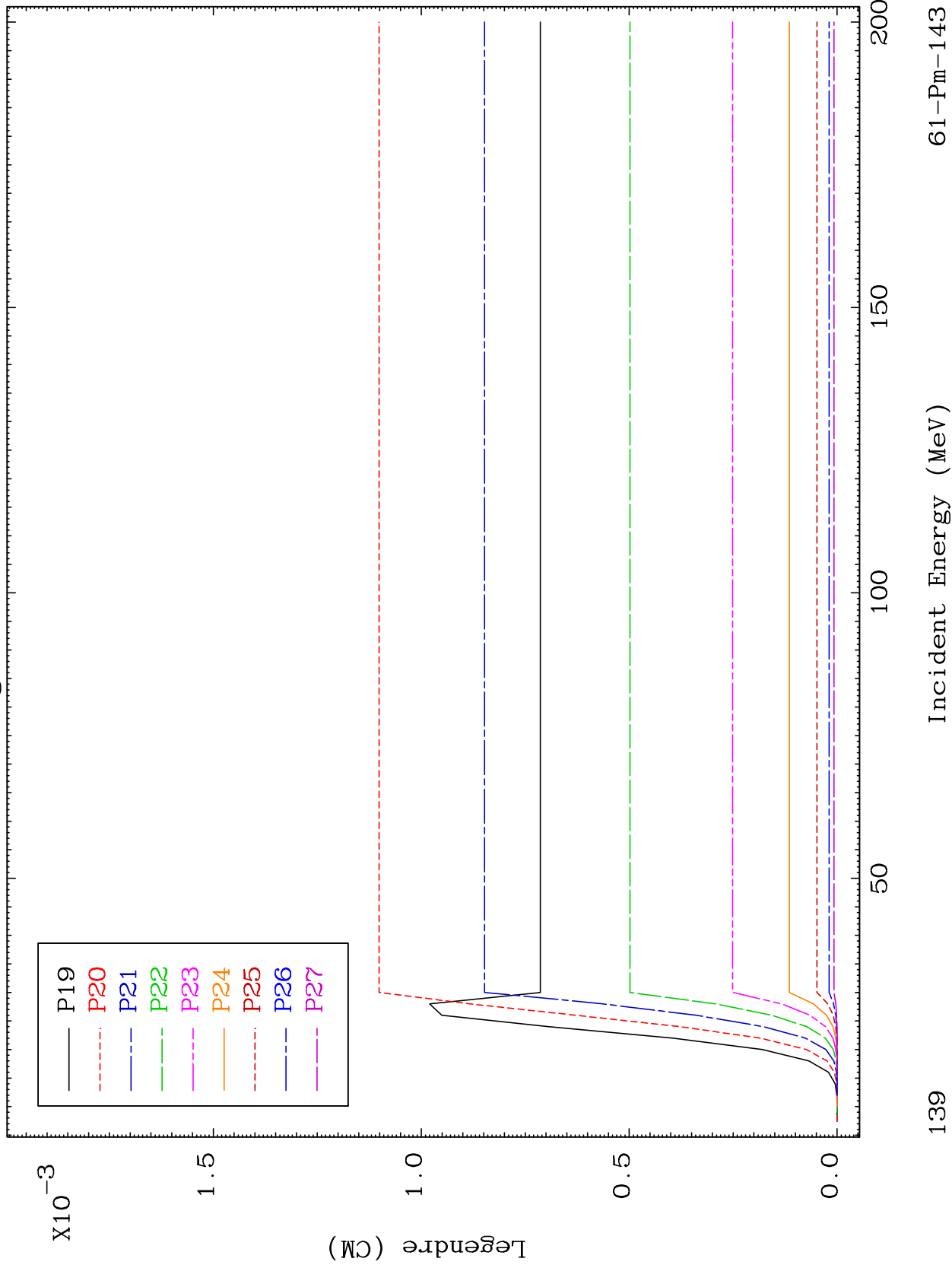
Incident Energy (MeV)

138

MAT 6137

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

61-Pm-143



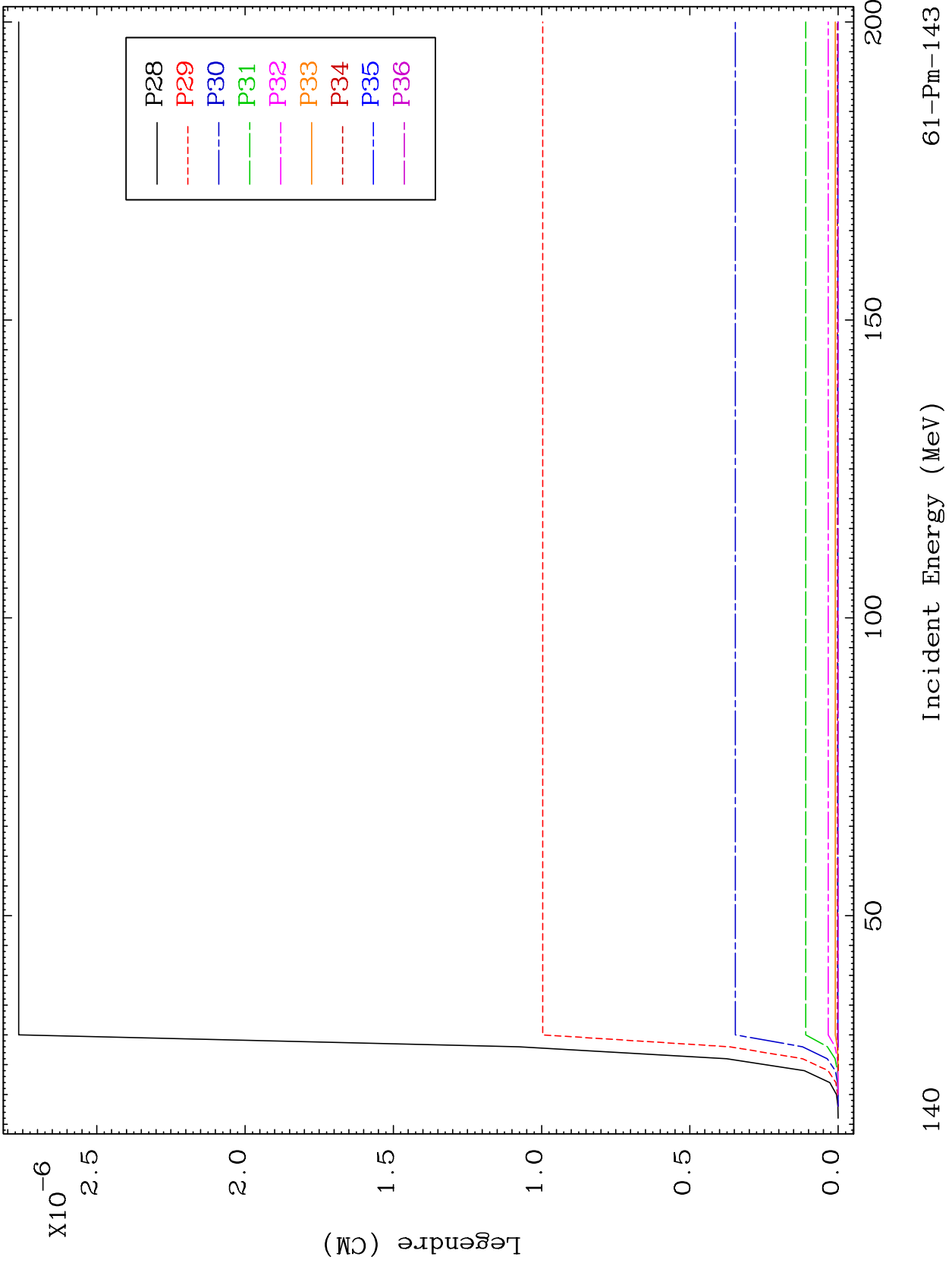
139

61-Pm-143

MAT 6137

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

61-Pm-143



140

50

100

150

200

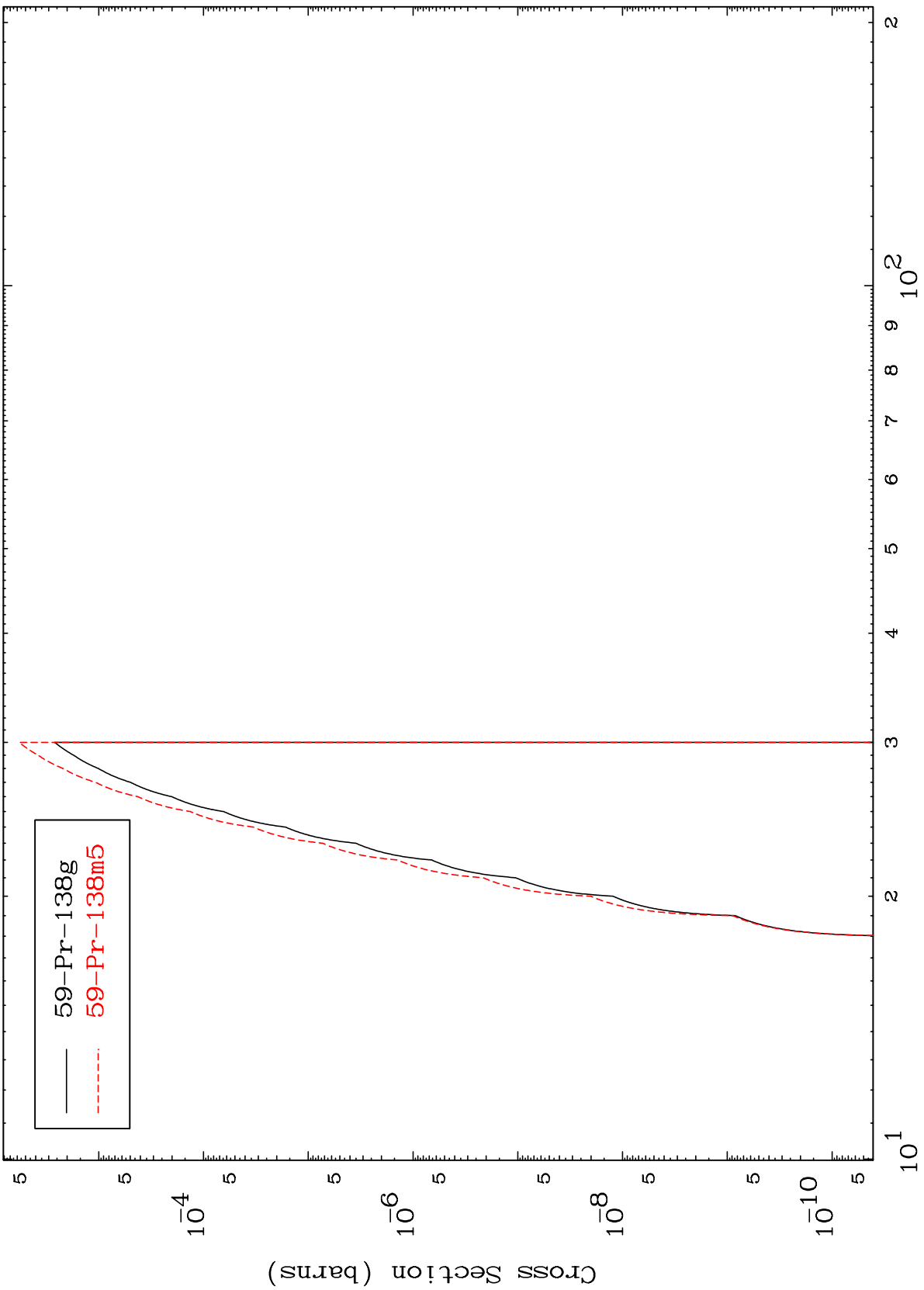
61-Pm-143

MAT 6137

(n,2n)  $\alpha$

61-Pm-143

Radionuclide Production Cross Section



59-Pr-138g  
59-Pr-138m5

141

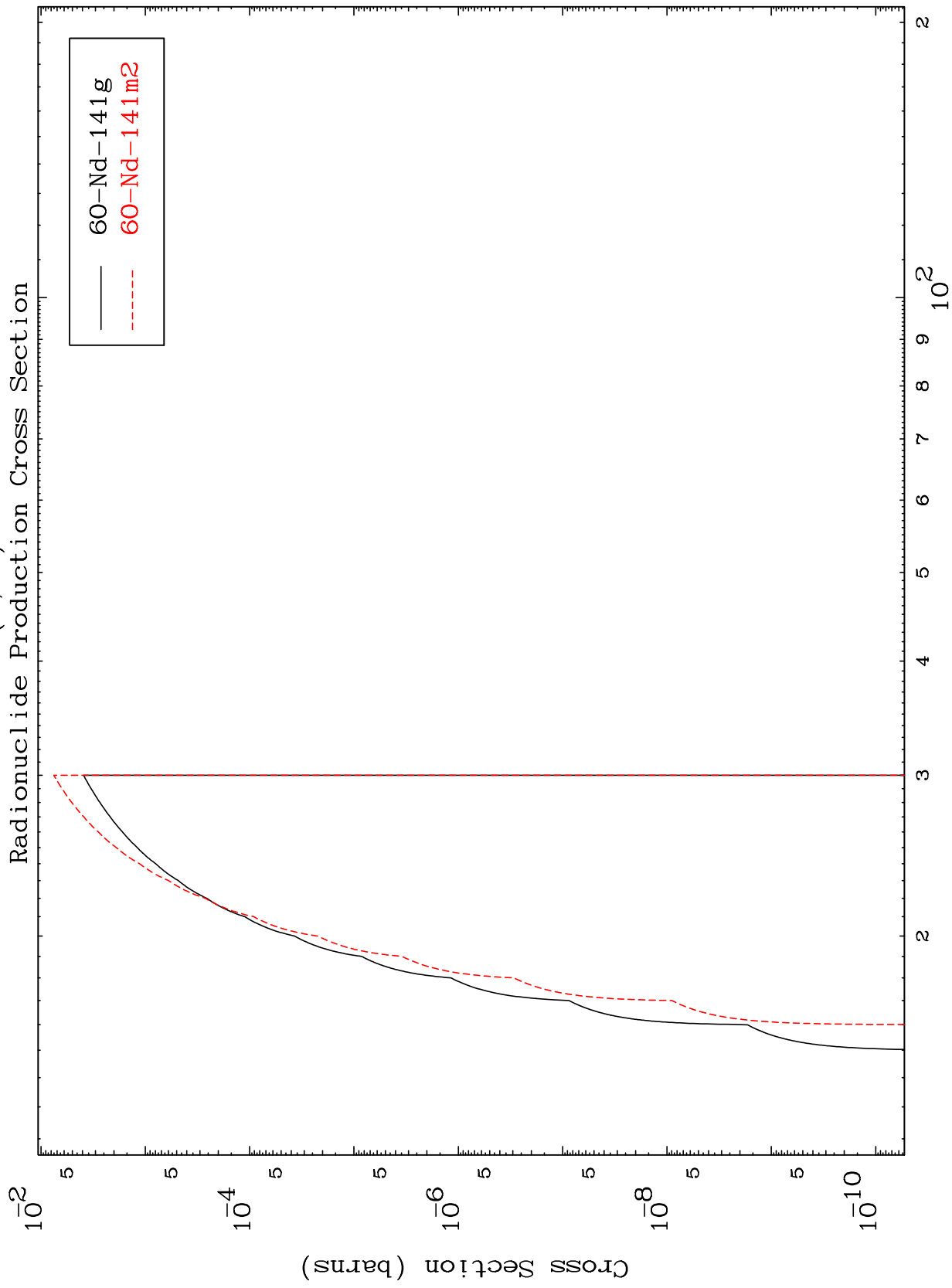
Incident Energy (MeV)

61-Pm-143

MAT 6137

(n,n') d

61-Pm-143



142

Incident Energy (MeV)

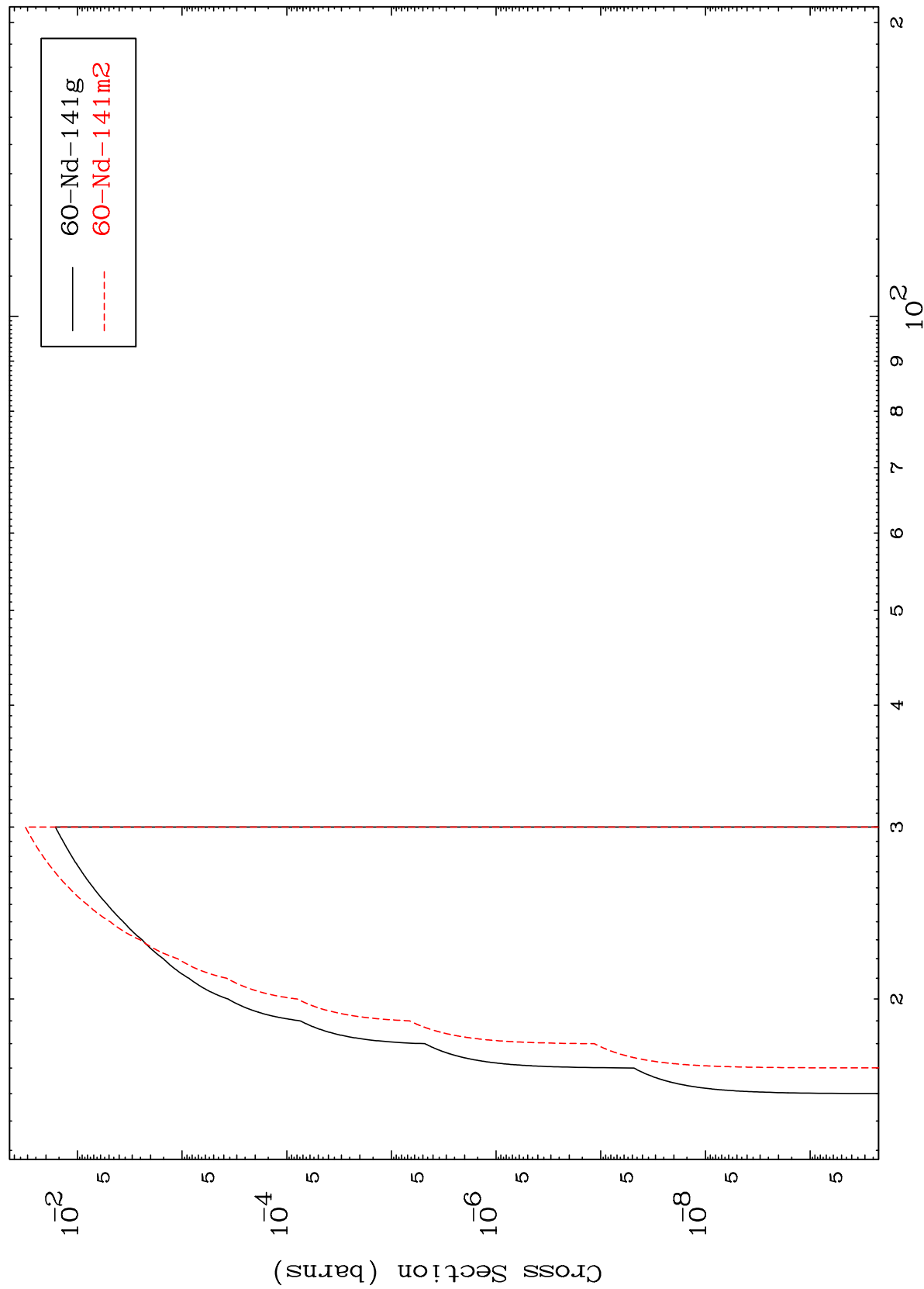
61-Pm-143

MAT 6137

(n,2n) p

61-Pm-143

Radionuclide Production Cross Section



143

Incident Energy (MeV)

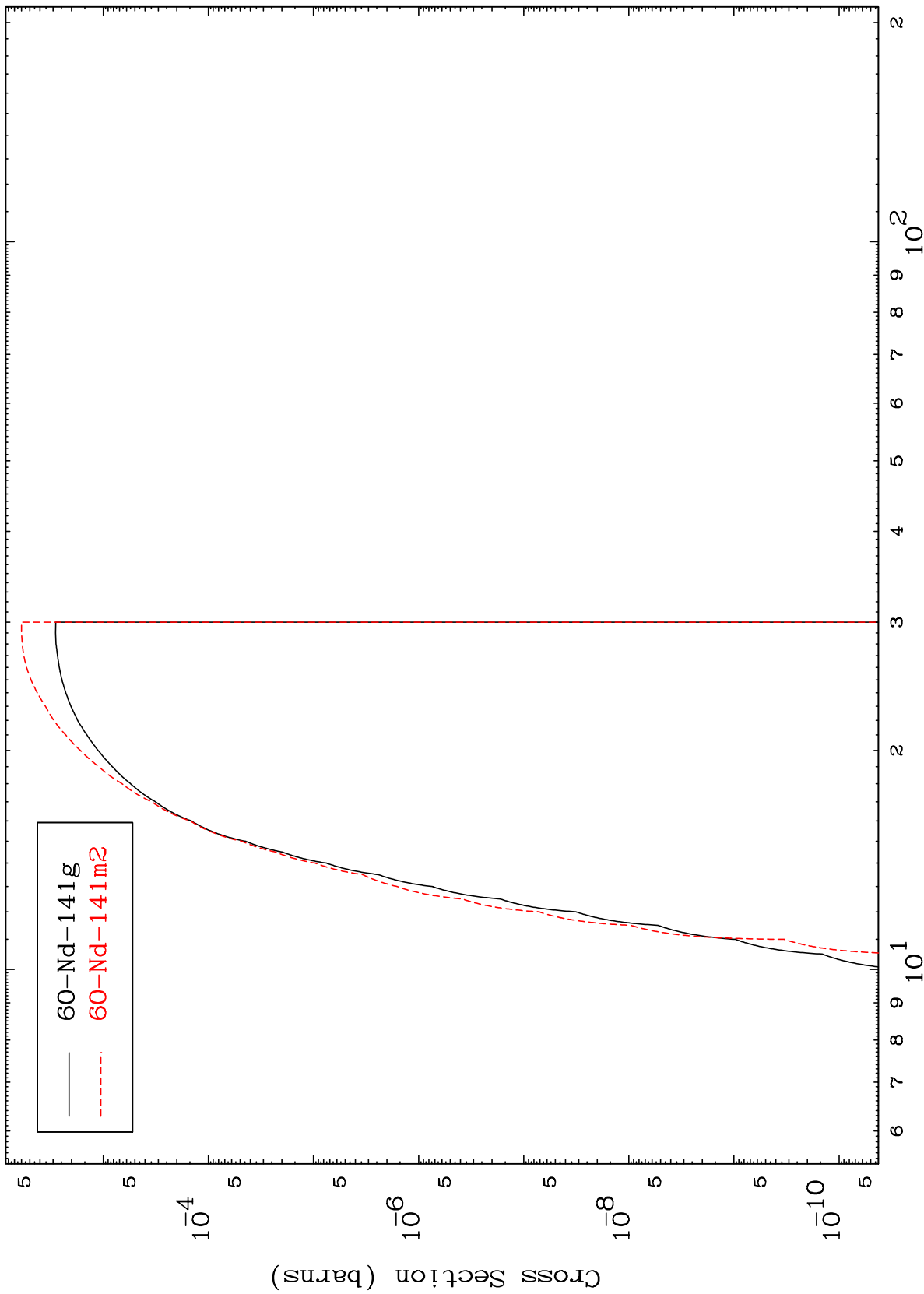
61-Pm-143



MAT 6137

61-Pm-143

(n,t)  
Radionuclide Production Cross Section



61-Pm-143

Incident Energy (MeV)

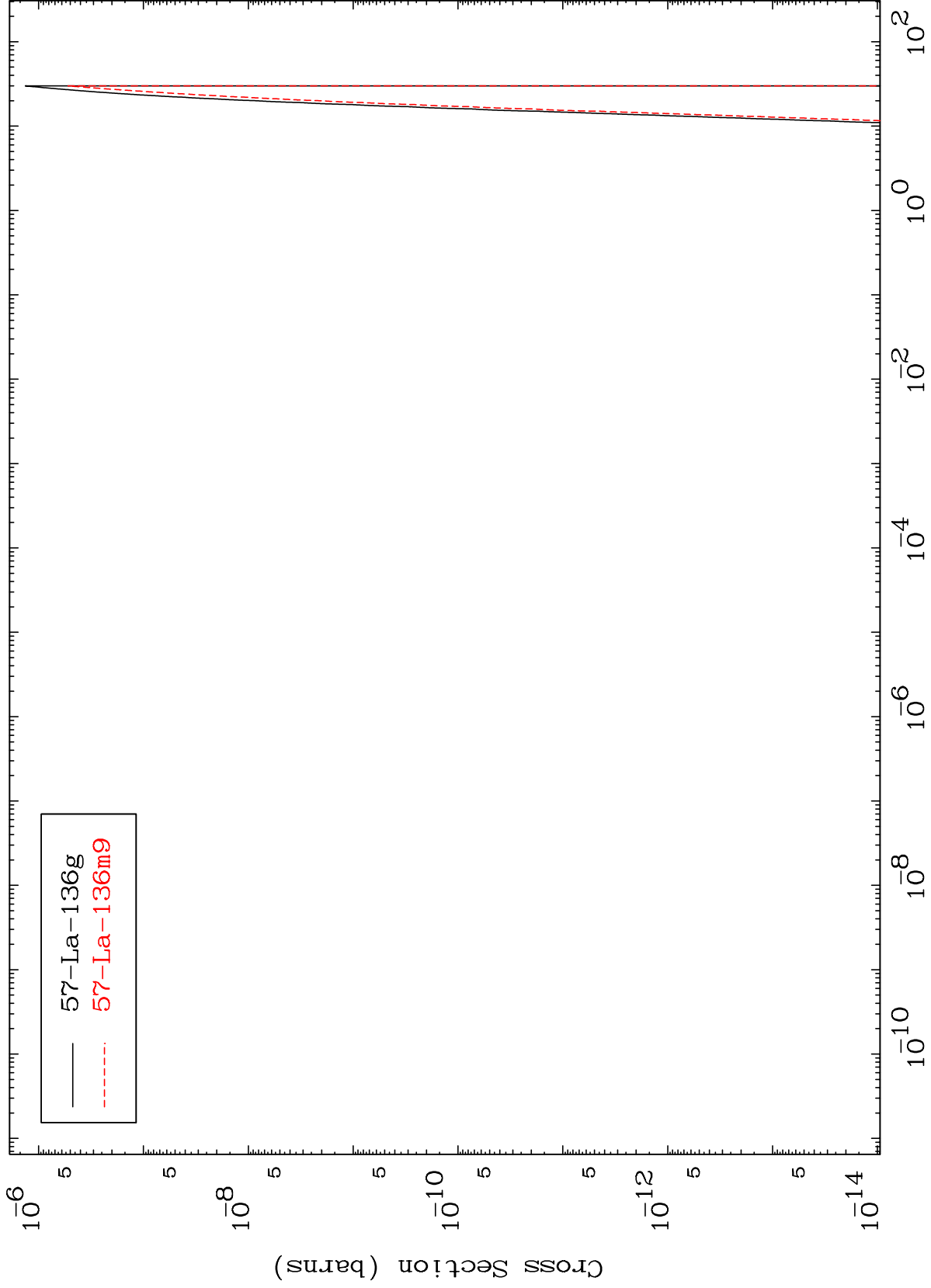
144

MAT 6137

(n,2α)

61-Pm-143

Radionuclide Production Cross Section



145

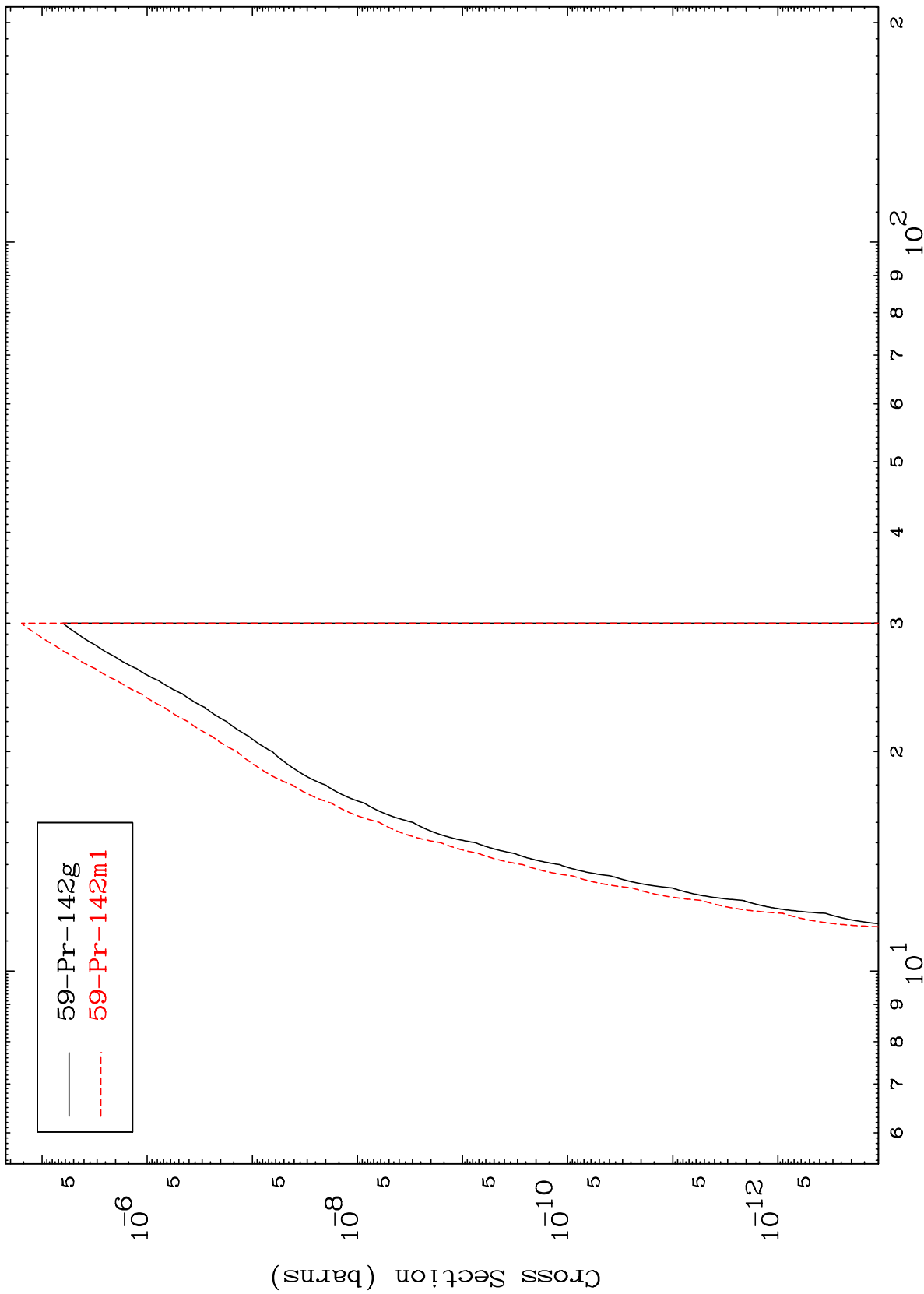
Incident Energy (MeV)

61-Pm-143

MAT 6137

61-Pm-143

(n,2p)  
Radionuclide Production Cross Section



146

Incident Energy (MeV)

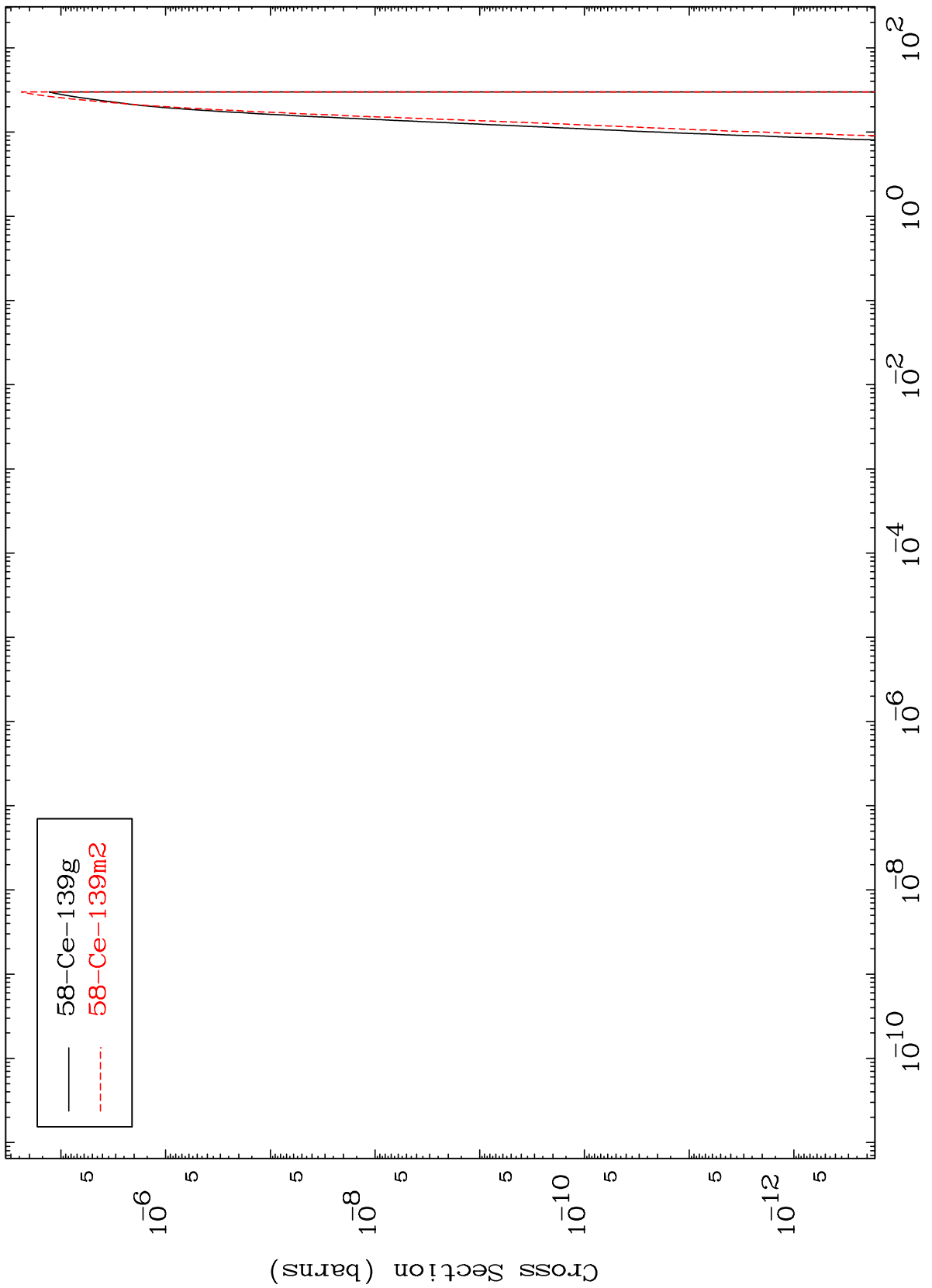
61-Pm-143

MAT 6137

(n,p)  $\alpha$

61-Pm-143

Radionuclide Production Cross Section



147

Incident Energy (MeV)

61-Pm-143