

Program EVALPLOT  
(Version 2017-1)

by

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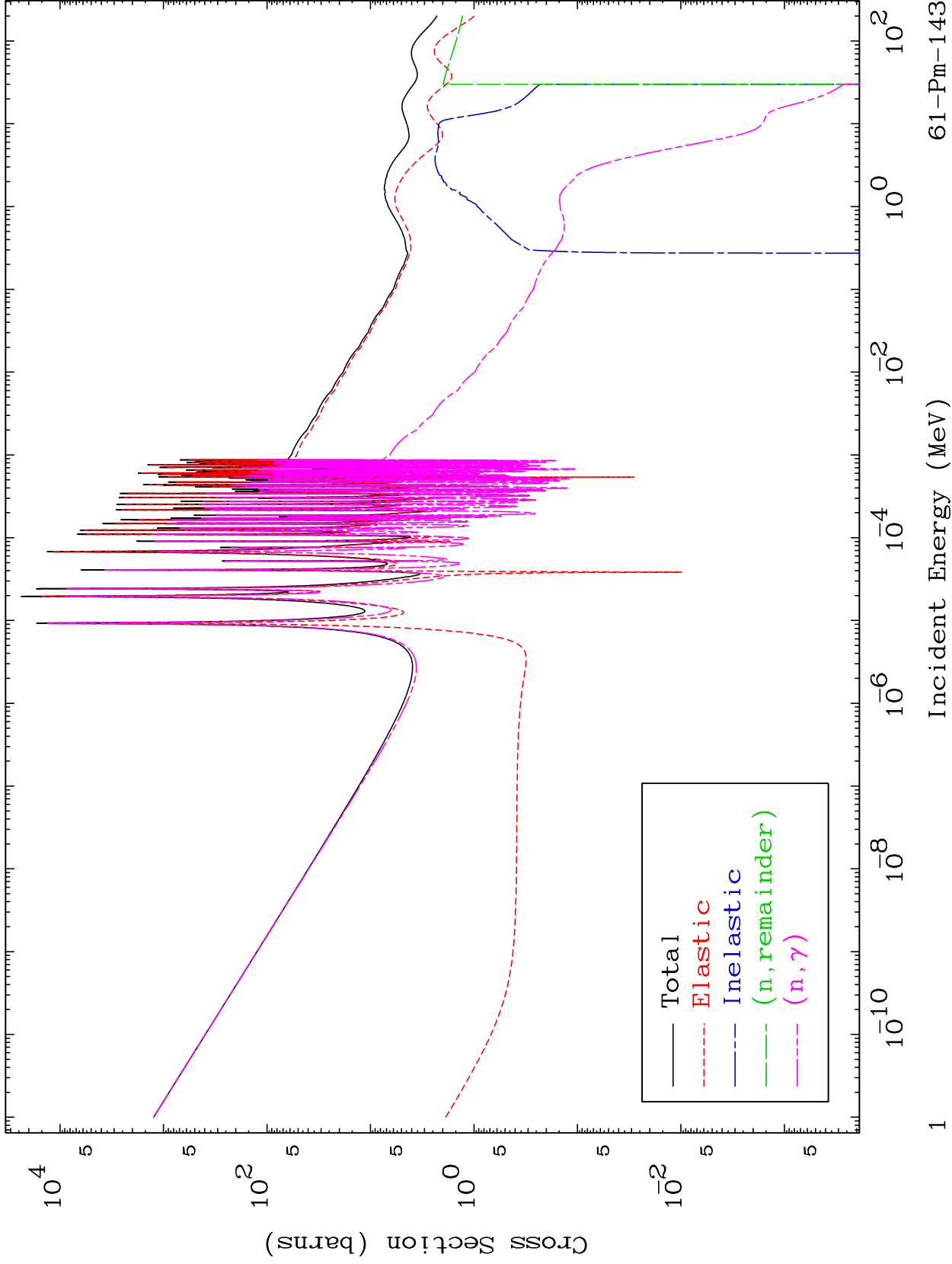
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6137

Major  
293 Kelvin Cross Sections

61-Pm-143

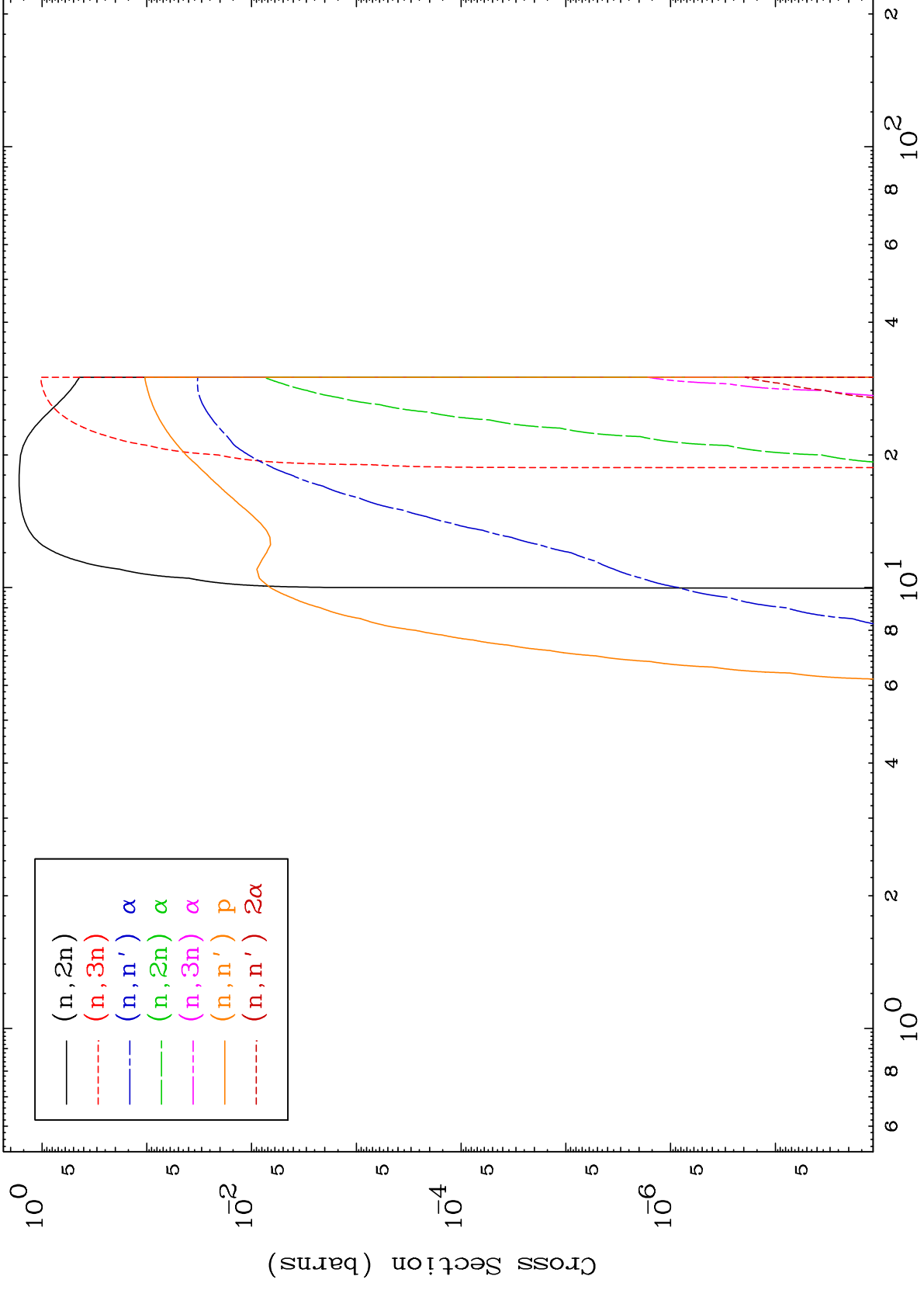


61-Pm-143

MAT 6137

Neutron Production  
293 Kelvin Cross Sections

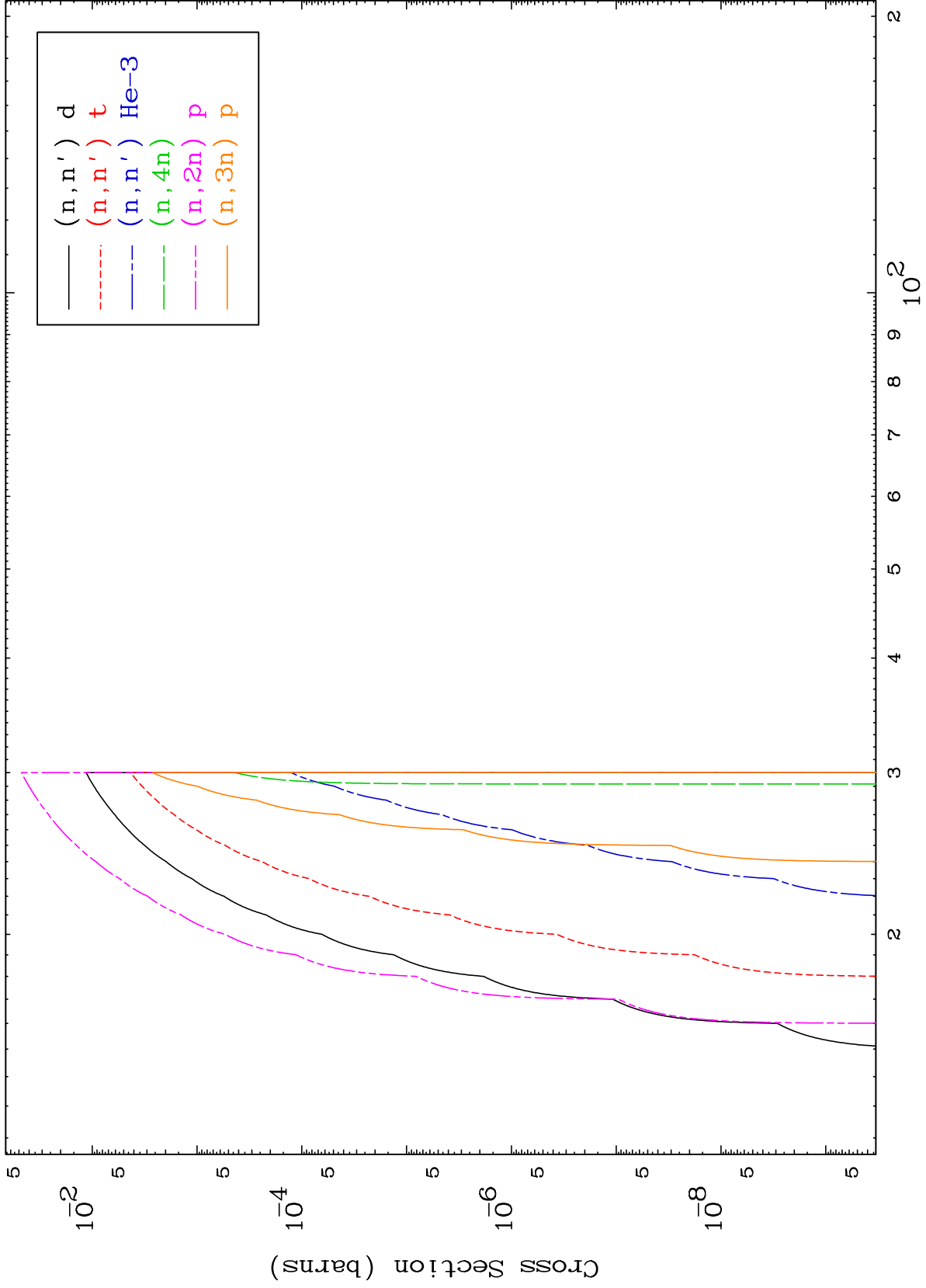
61-Pm-143



2

Incident Energy (MeV)

61-Pm-143

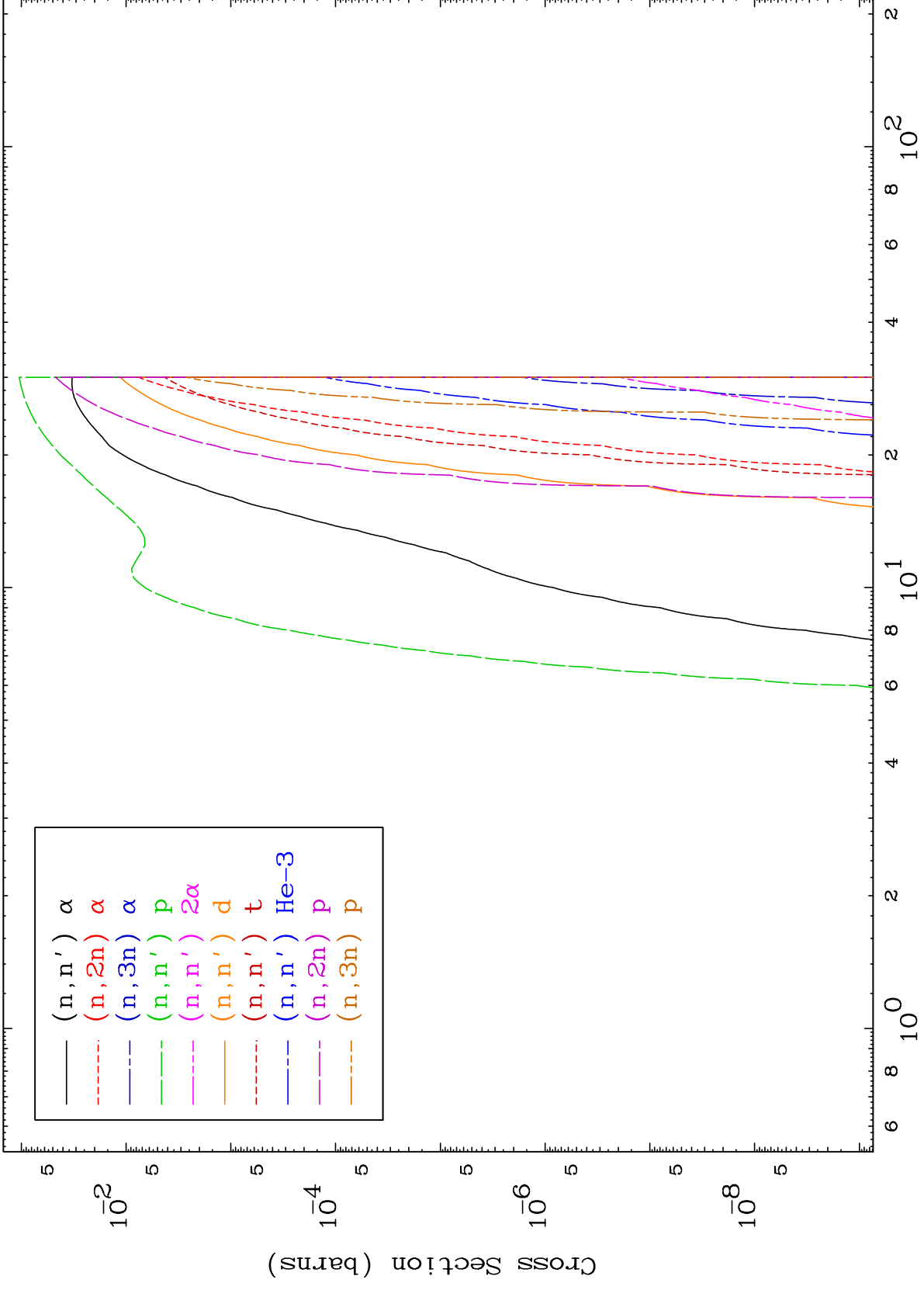


MAT 6137

Charged Particle

61-Pm-143

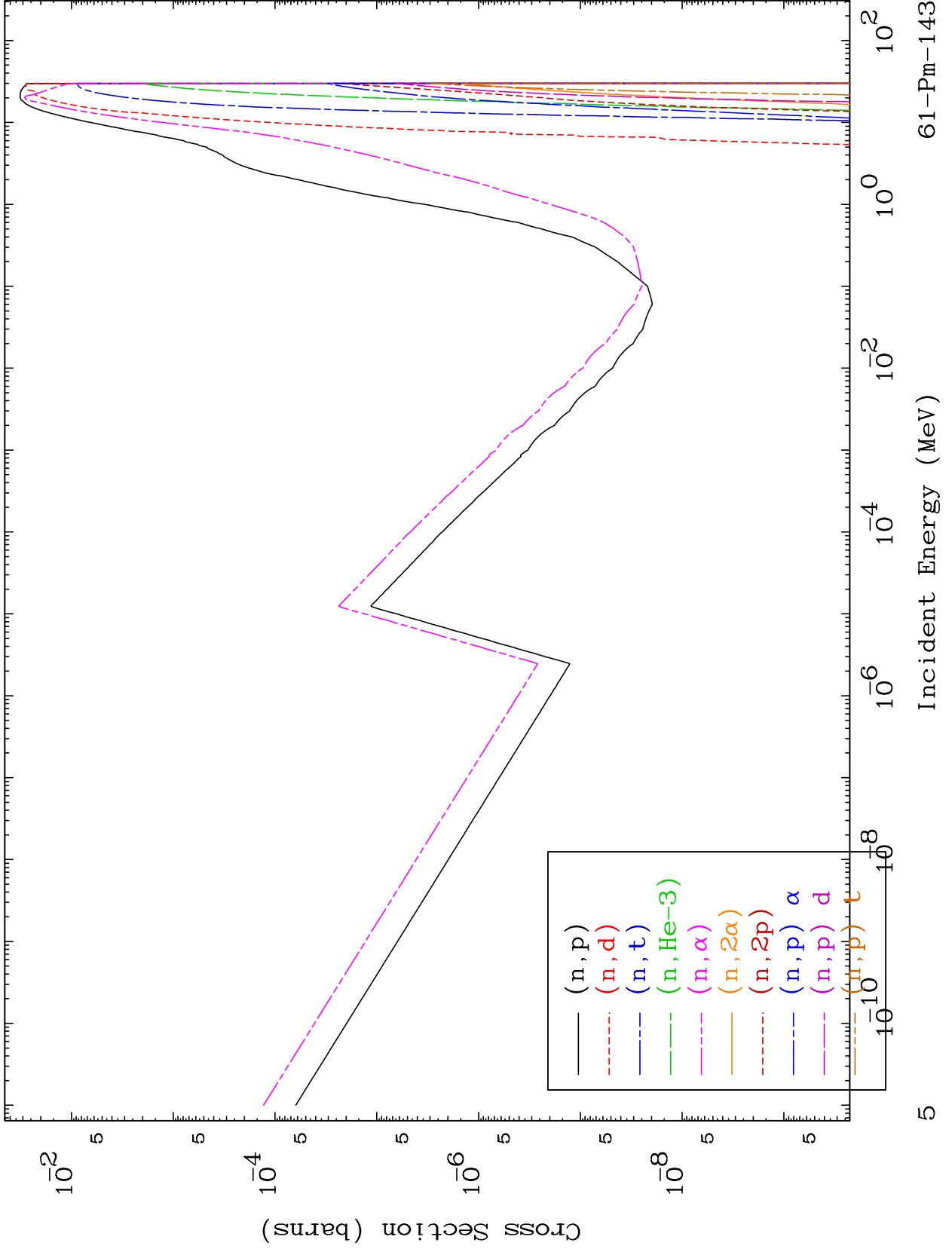
293 Kelvin Cross Sections

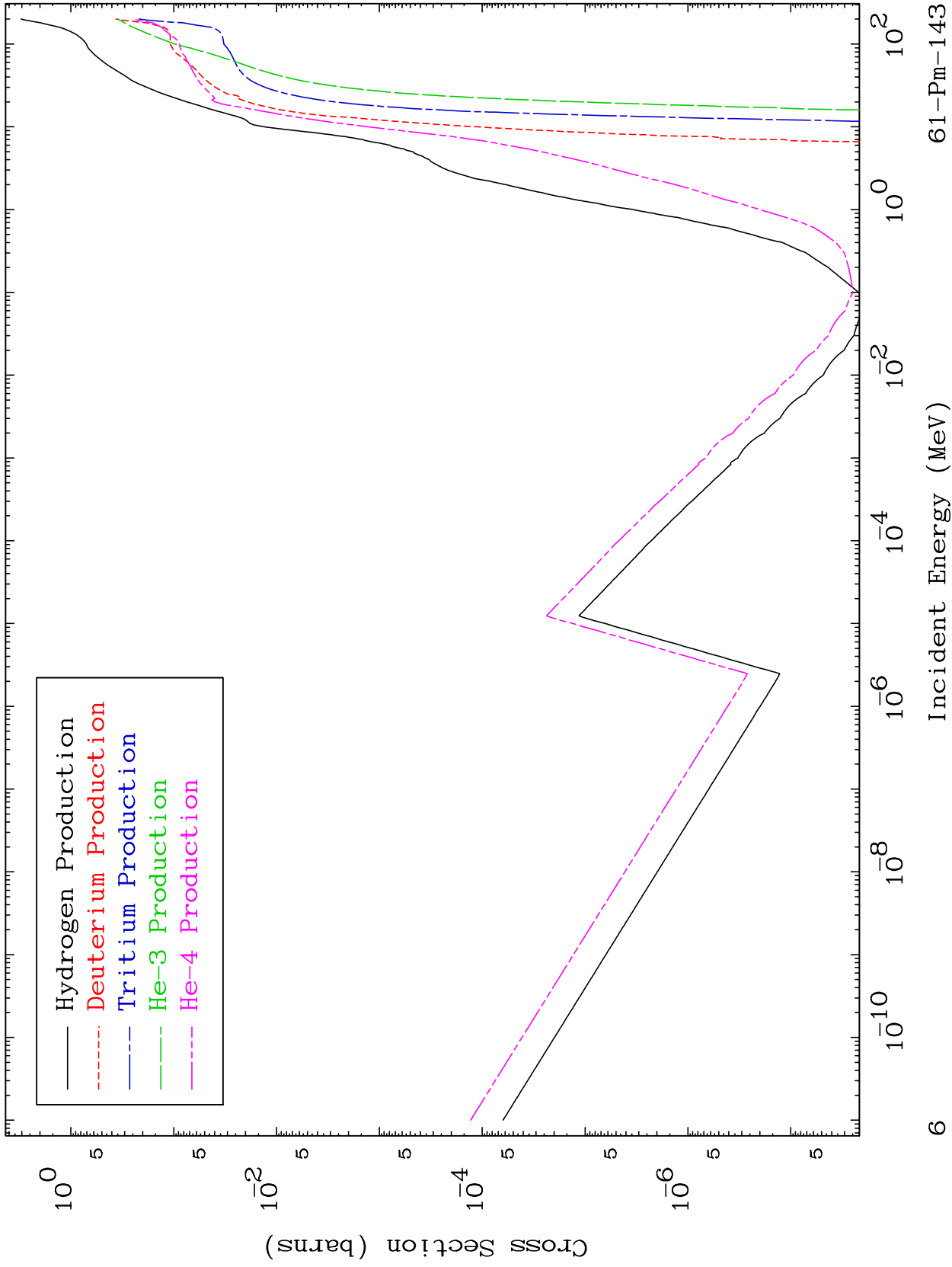


MAT 6137

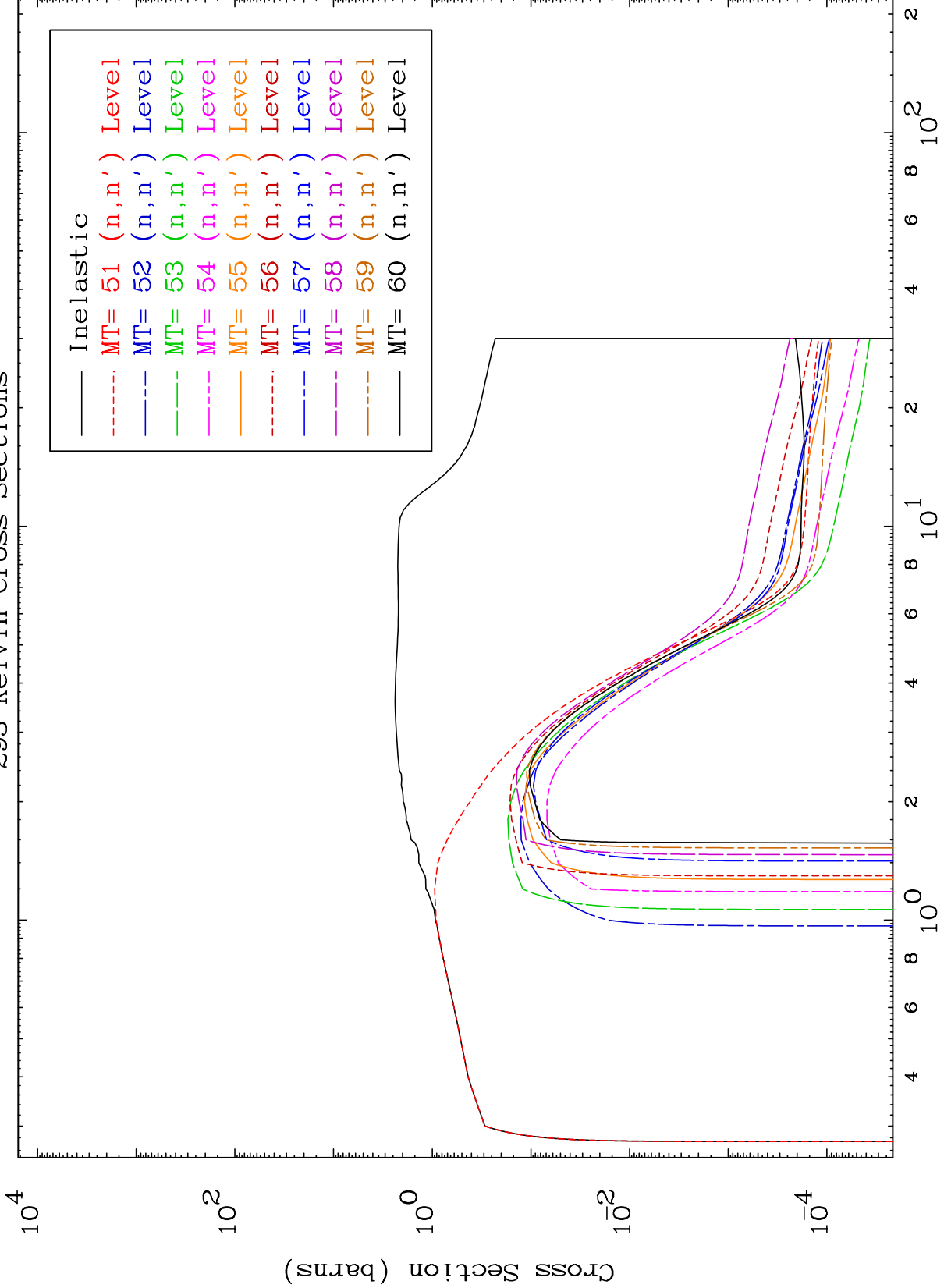
Charged Particle  
293 Kelvin Cross Sections

61-Pm-143





293 Kelvin Cross Sections



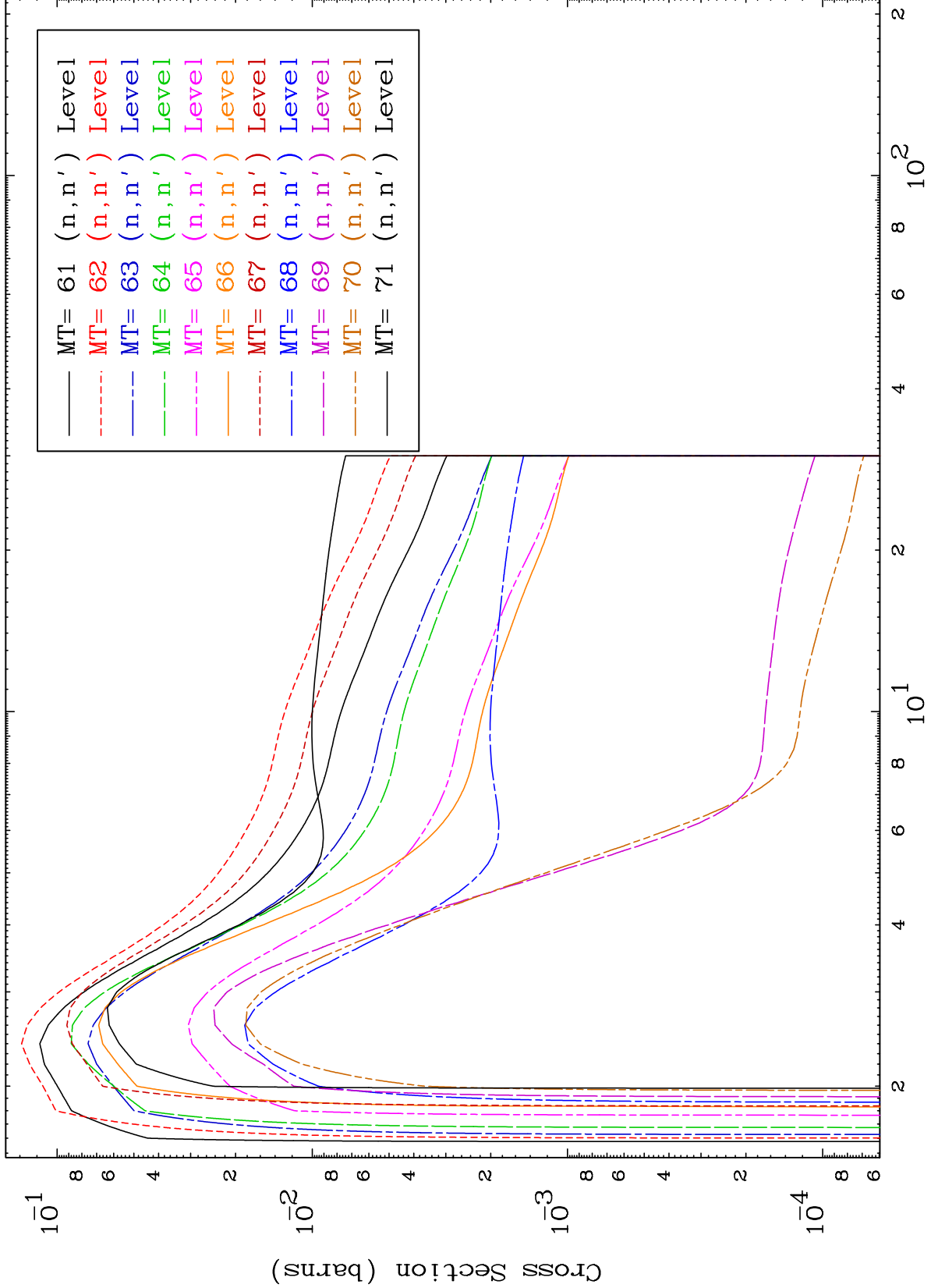


MAT 6137

(n,n') Level

61-Pm-143

293 Kelvin Cross Sections



8

Incident Energy (MeV)

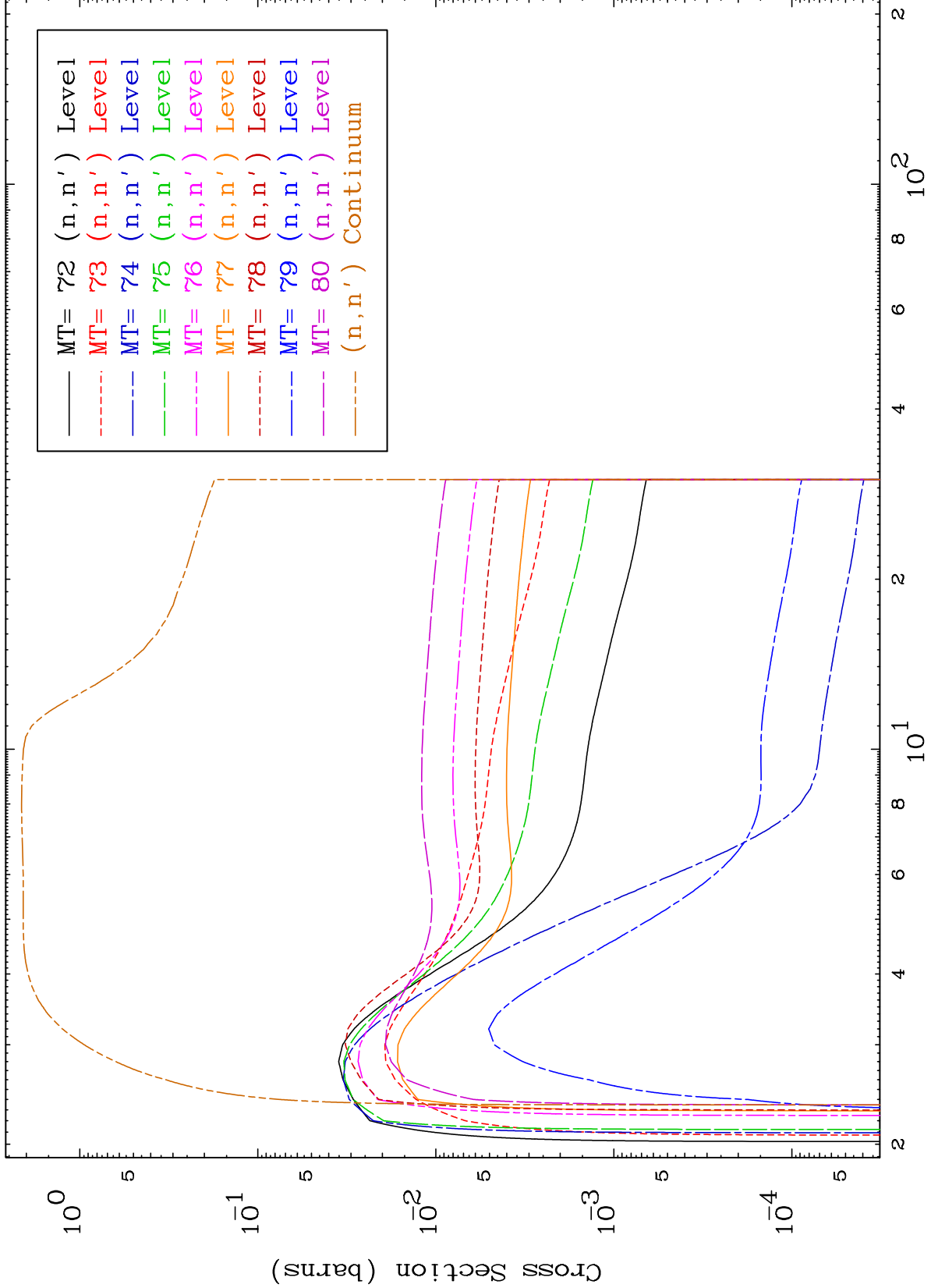
61-Pm-143

MAT 6137

(n,n') Level

61-Pm-143

293 Kelvin Cross Sections



9

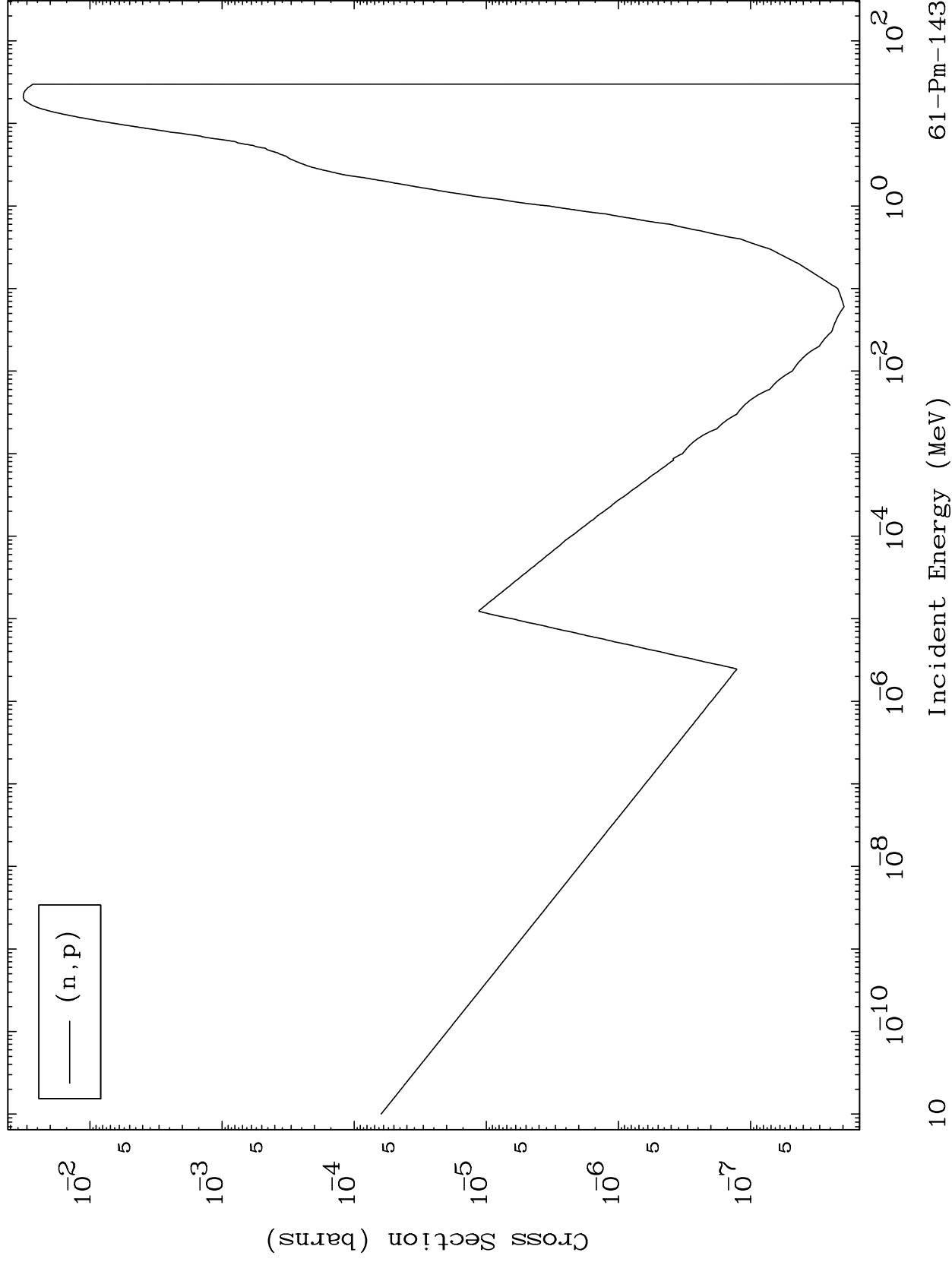
Incident Energy (MeV)

61-Pm-143

MAT 6137

(n,p) Levels  
293 Kelvin Cross Sections

61-Pm-143



61-Pm-143

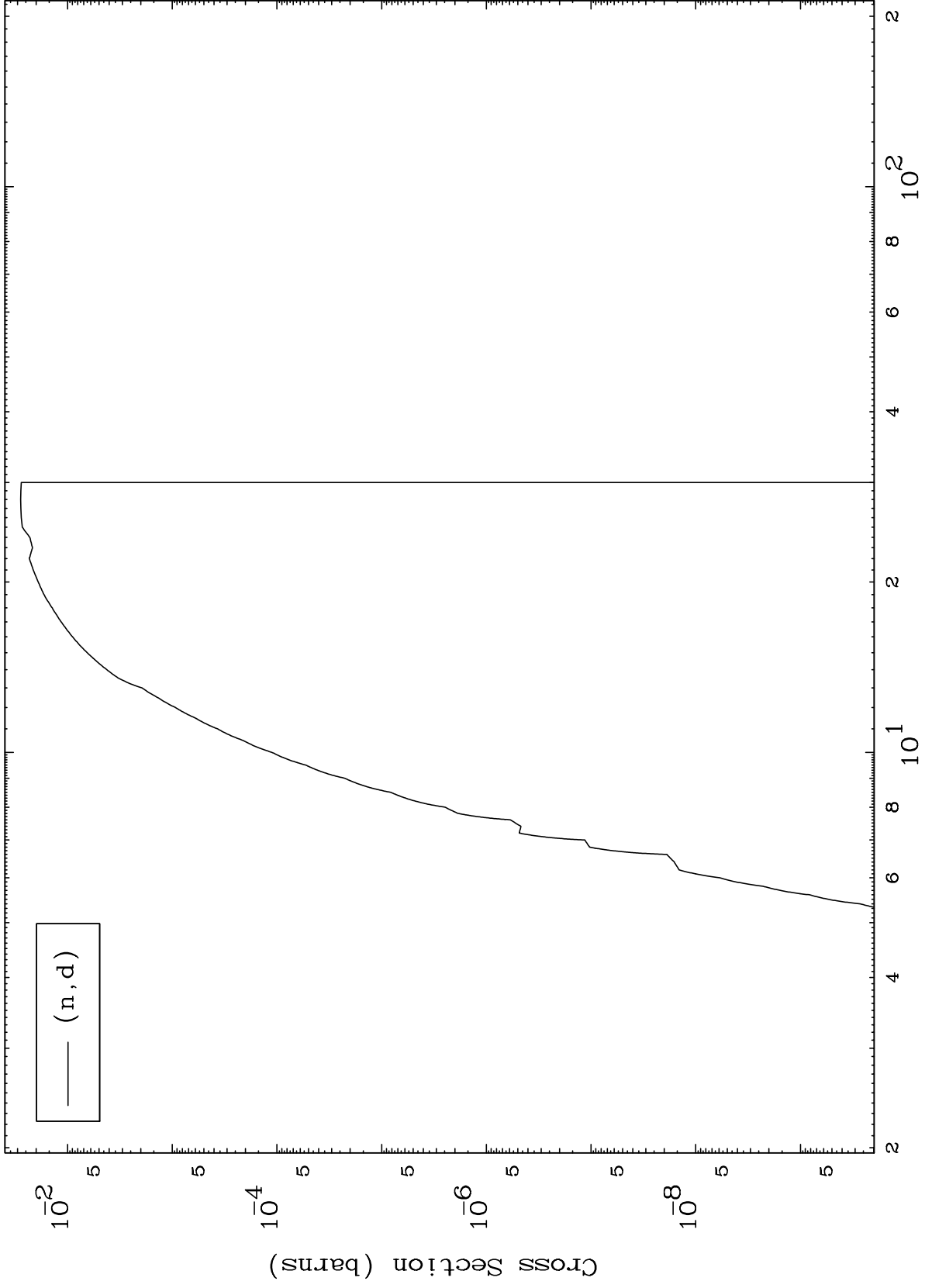
Incident Energy (MeV)

10

MAT 6137

(n,d) Levels  
293 Kelvin Cross Sections

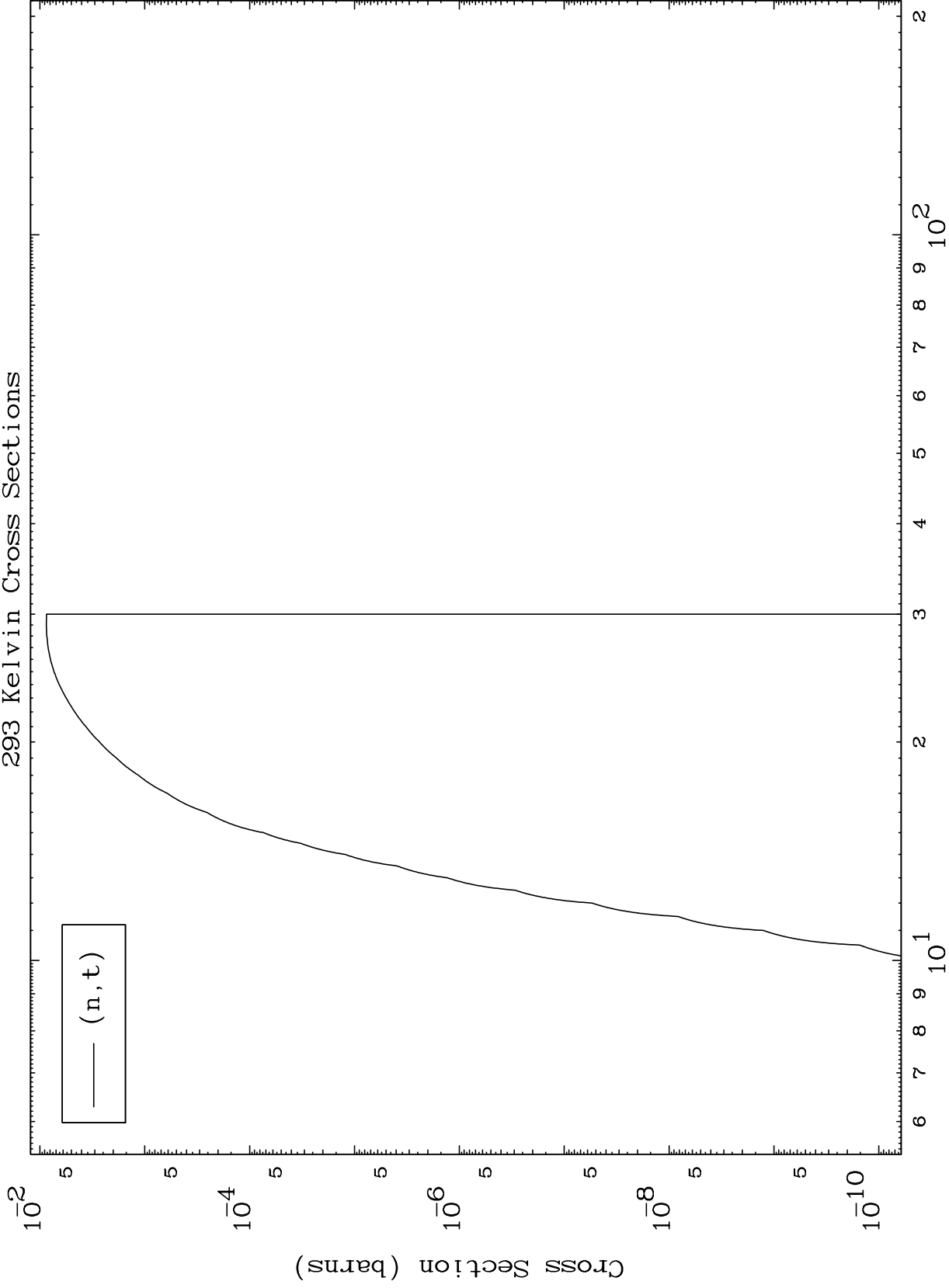
61-Pm-143



MAT 6137

(n,t) Levels  
293 Kelvin Cross Sections

61-Pm-143



12

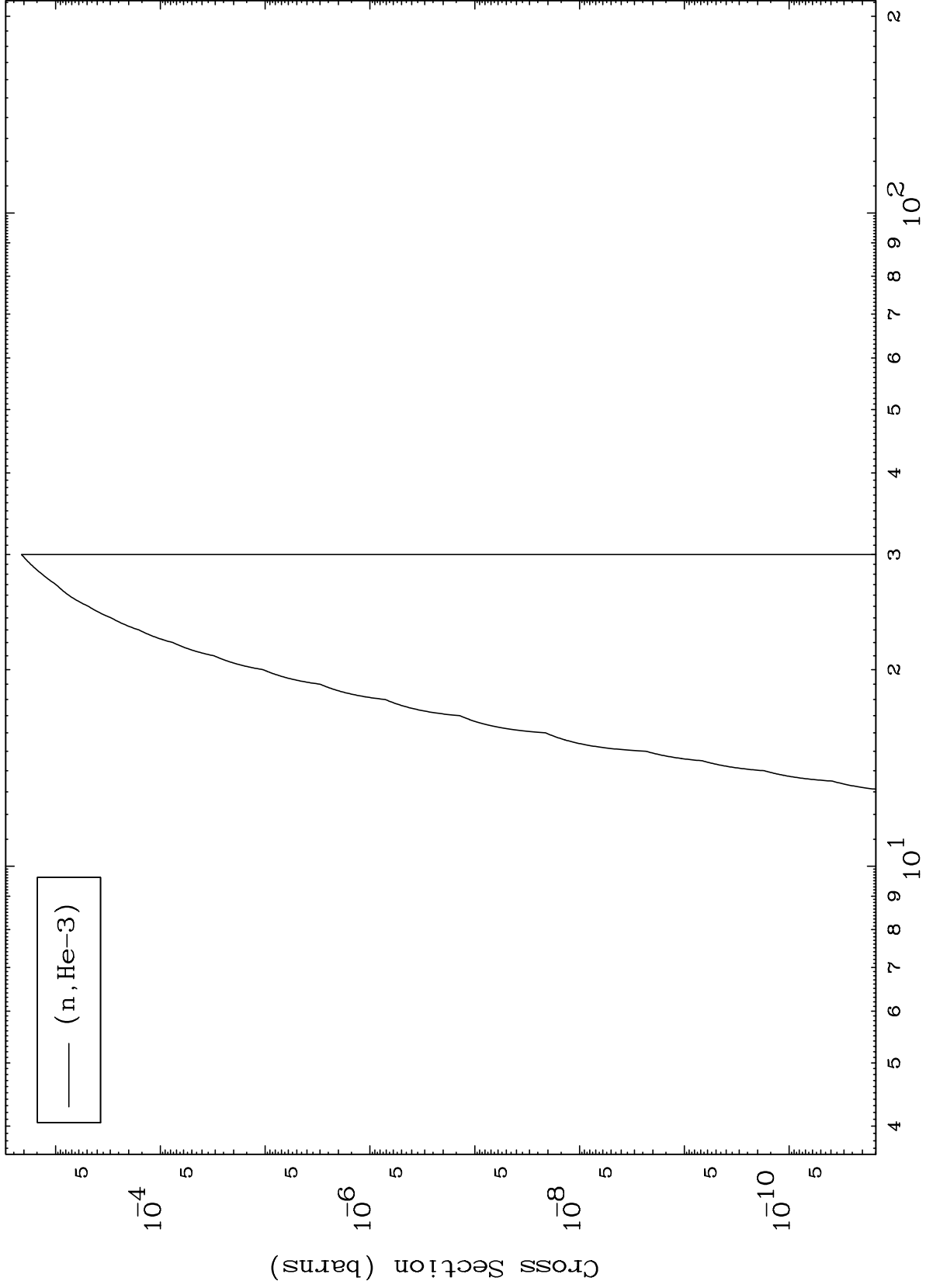
Incident Energy (MeV)

61-Pm-143

MAT 6137

(n,He3) Levels  
293 Kelvin Cross Sections

61-Pm-143



13

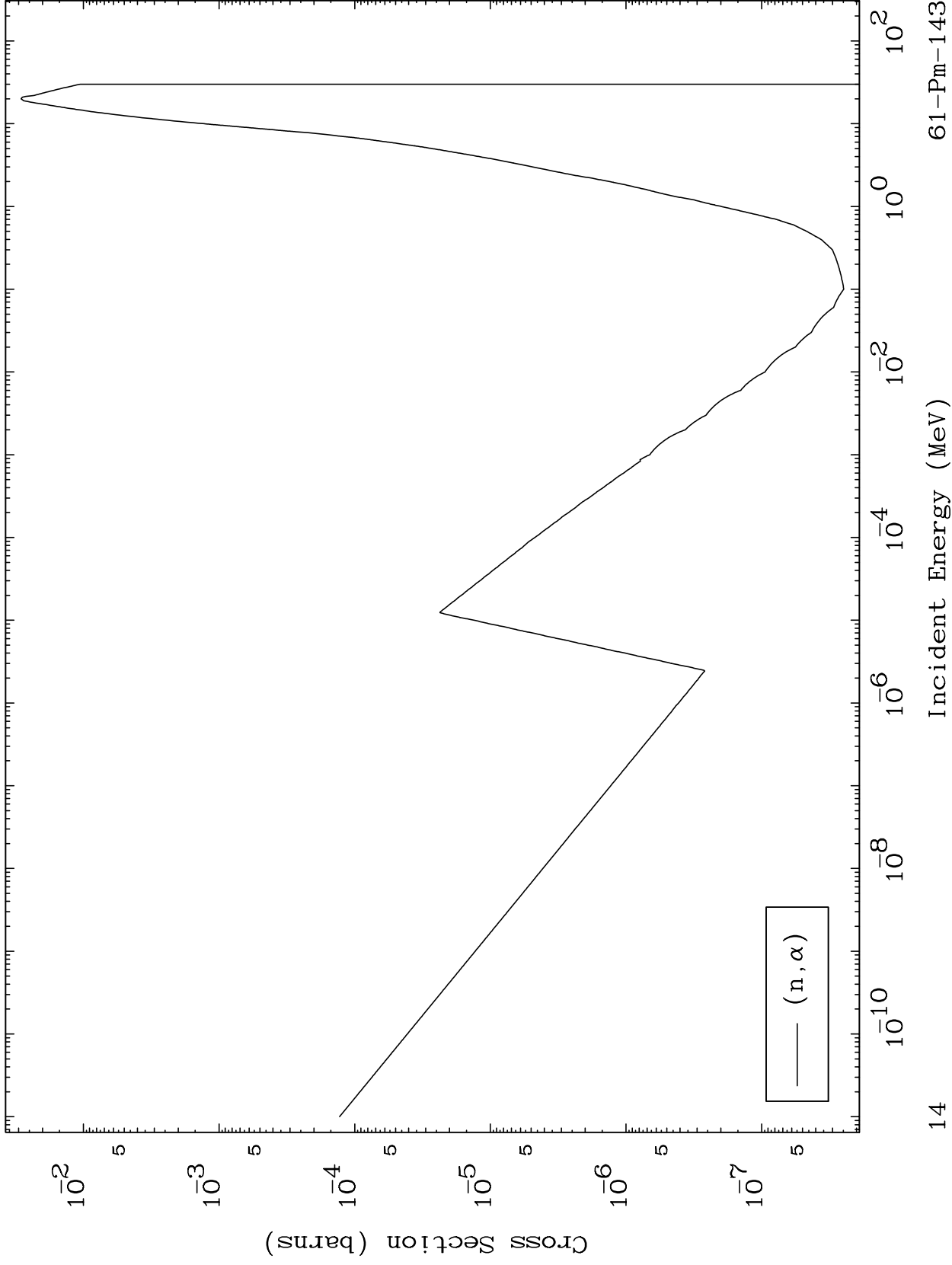
Incident Energy (MeV)

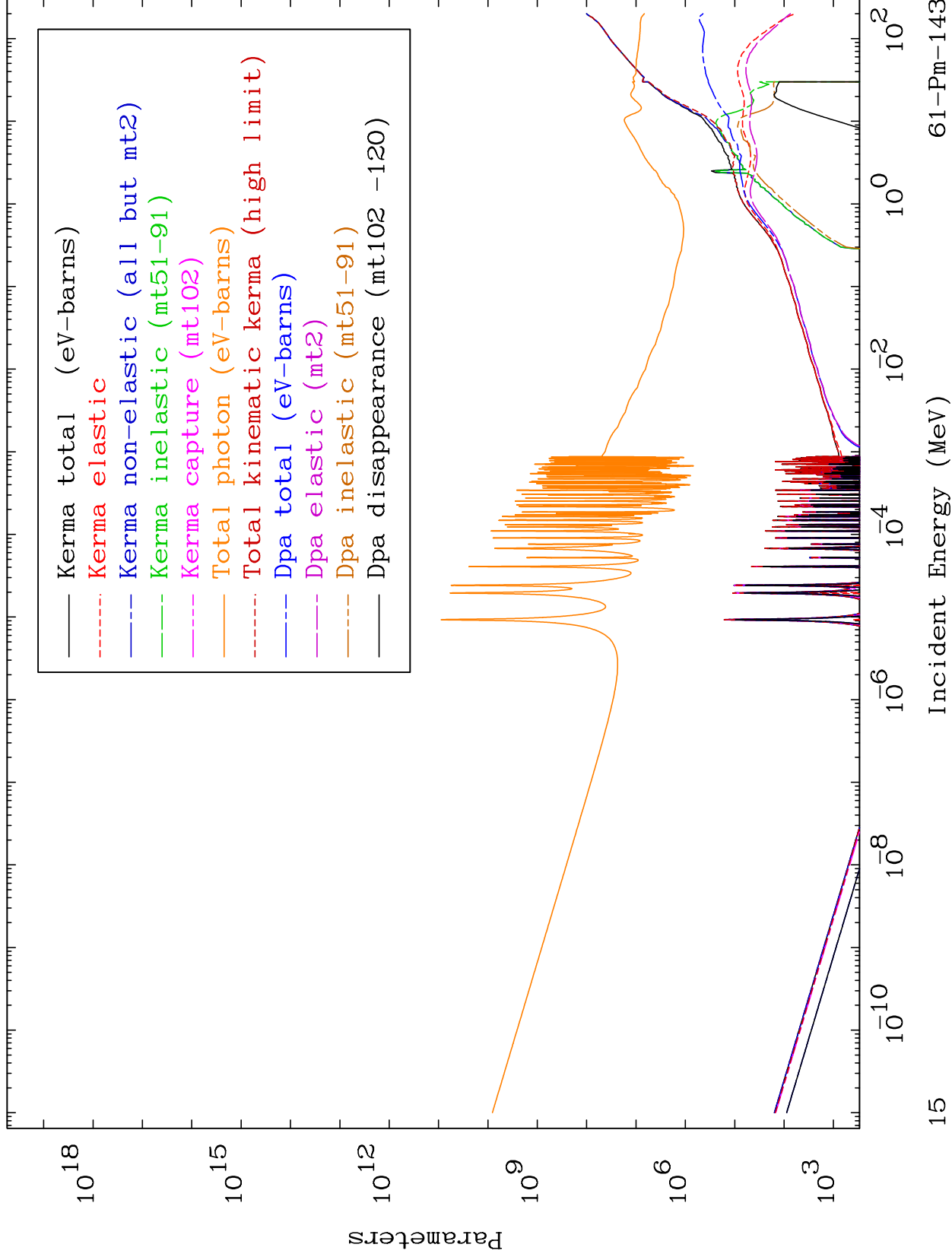
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MAT 6137

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

61-Pm-143



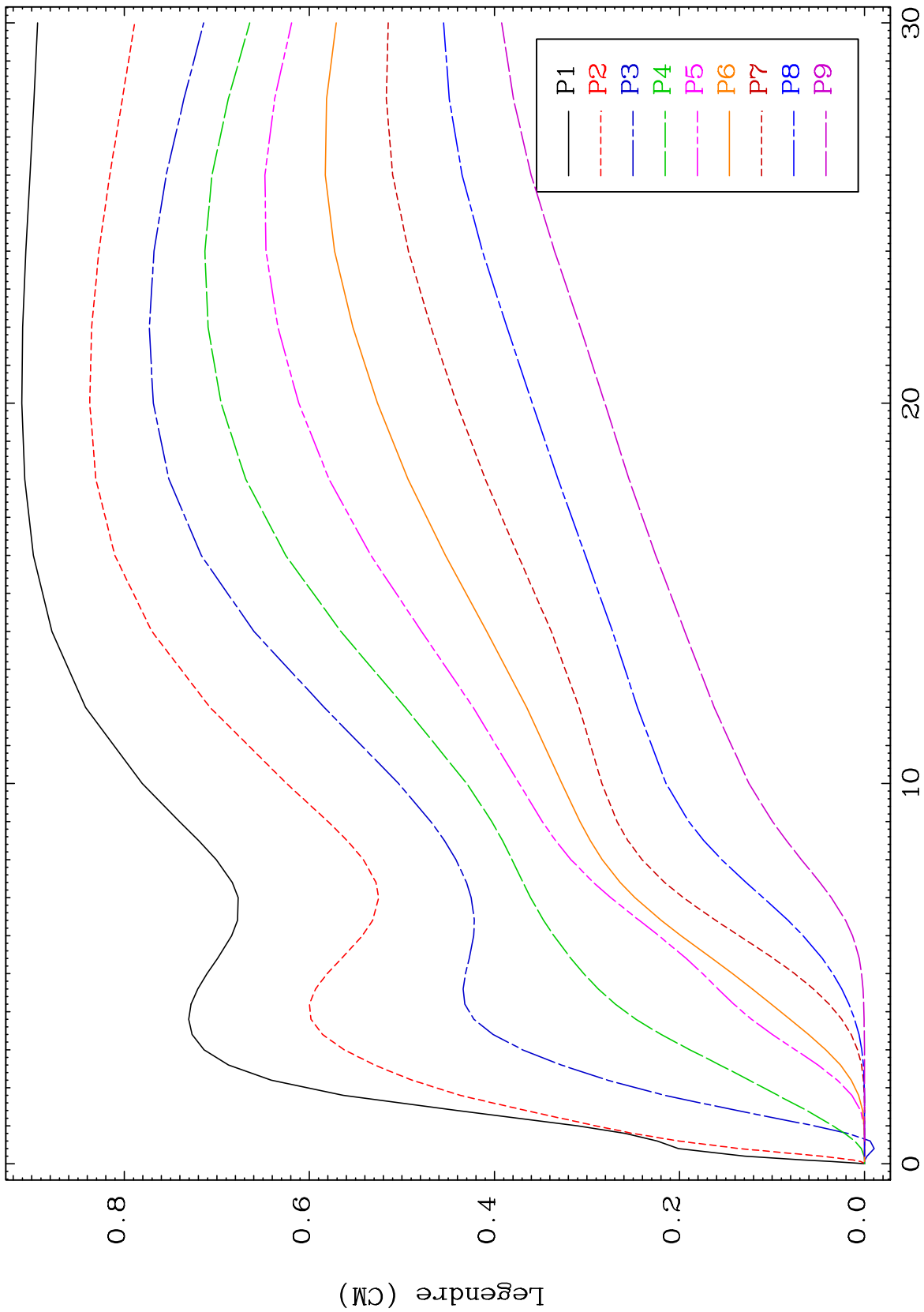




MAT 6137

Elastic Legendre Coefficients

61-Pm-143



16

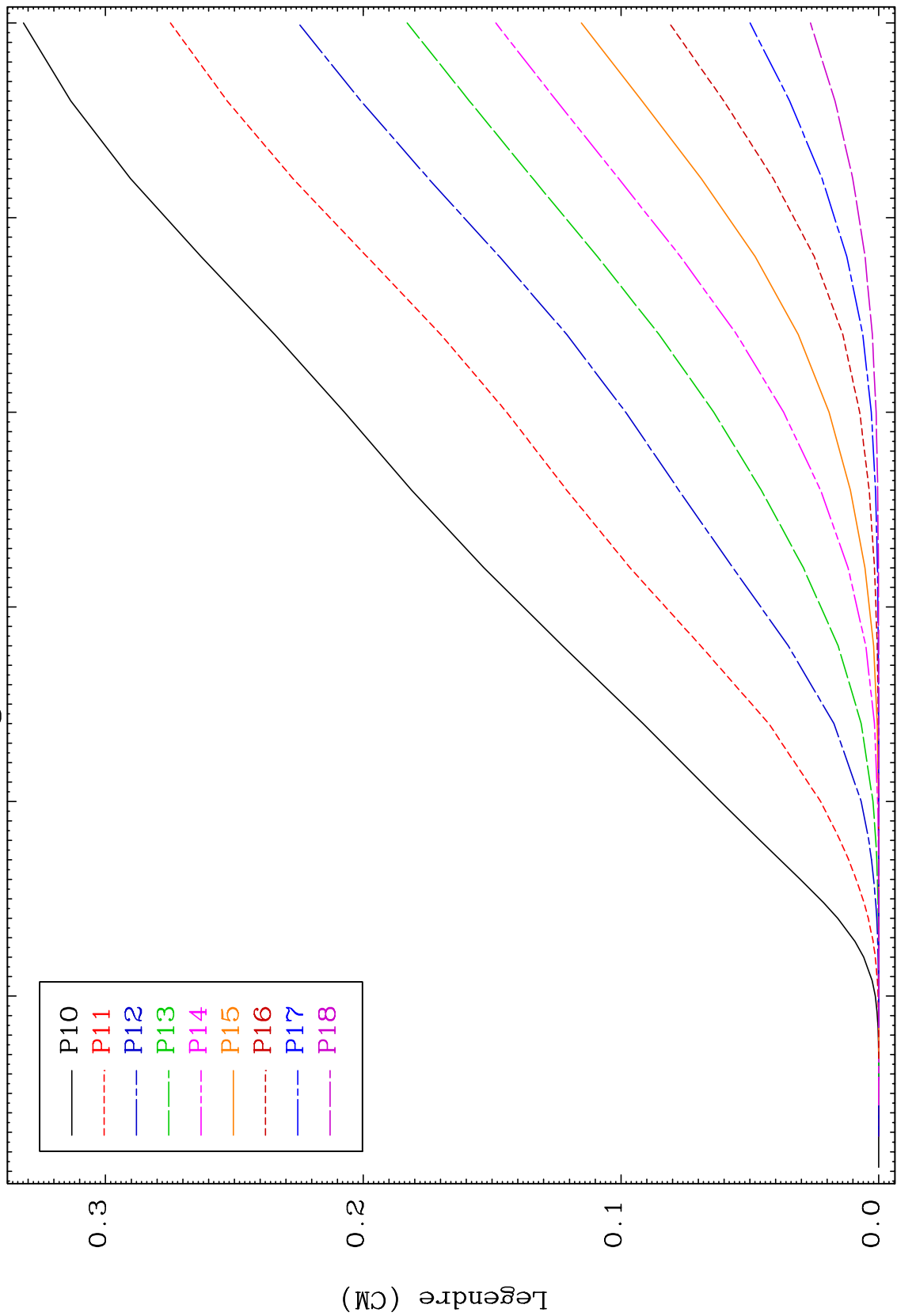
Incident Energy (MeV)

61-Pm-143

MAT 6137

Elastic Legendre Coefficients

61-Pm-143



17

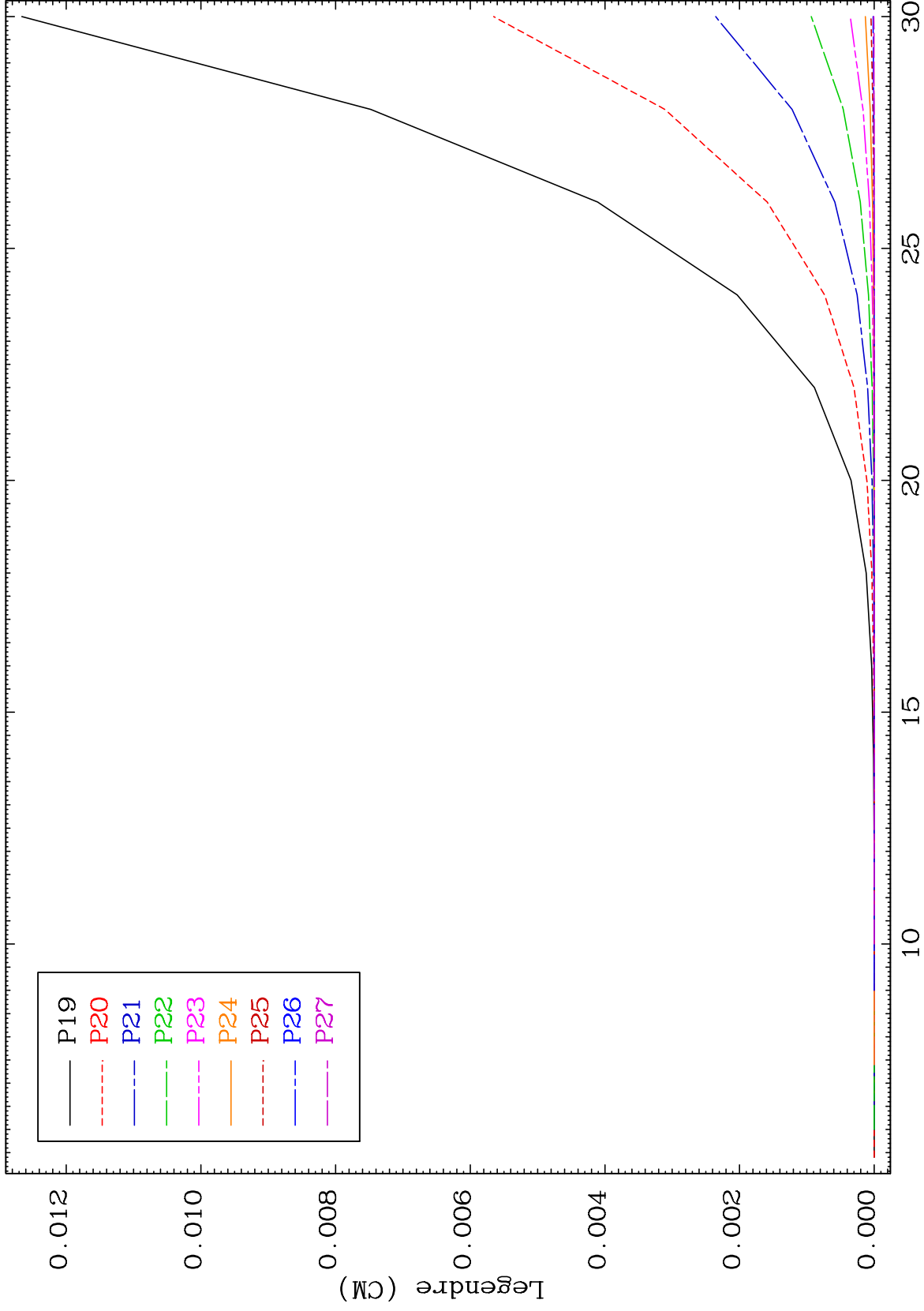
Incident Energy (MeV)

61-Pm-143

MAT 6137

### Elastic Legendre Coefficients

61-Pm-143



18

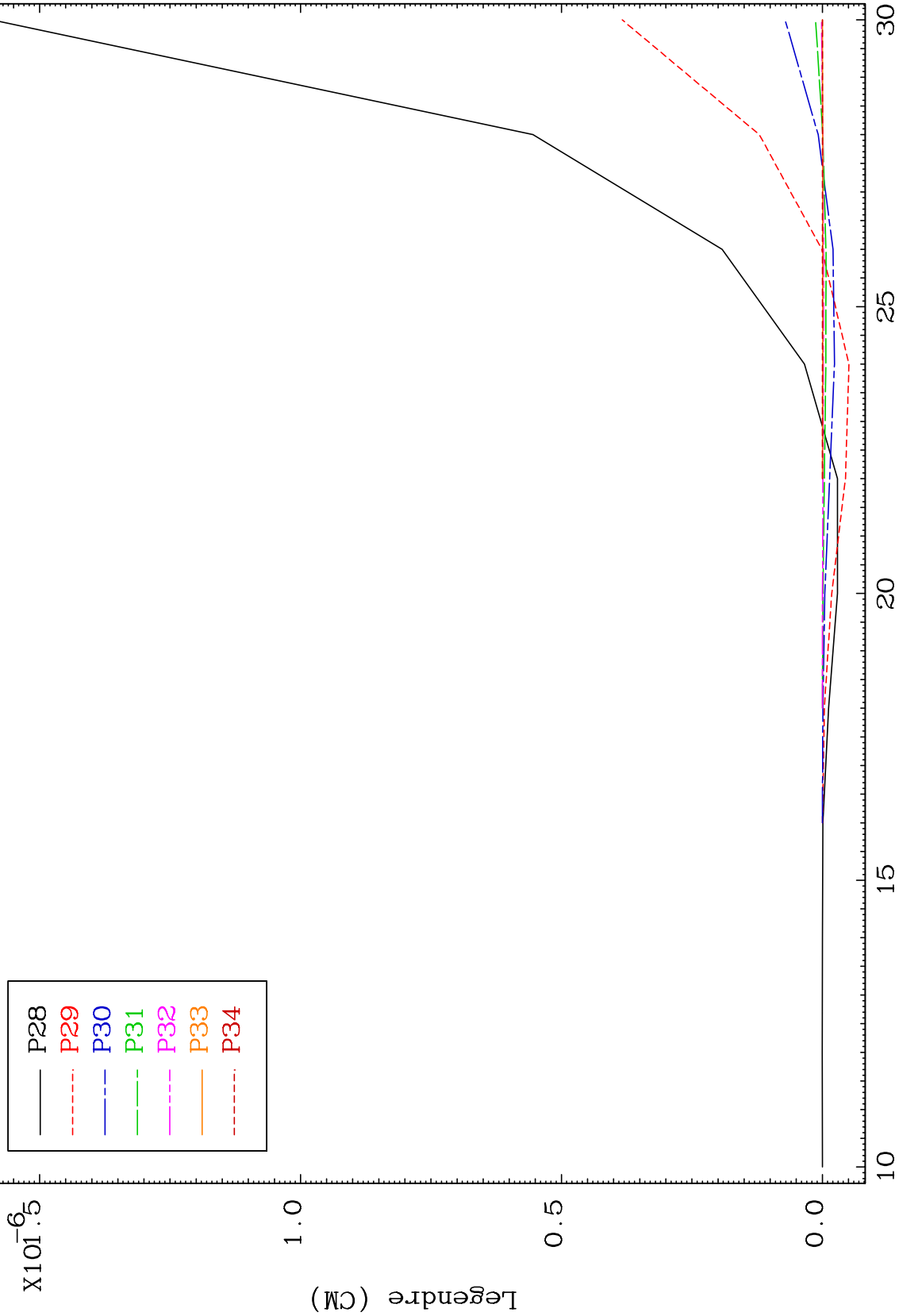
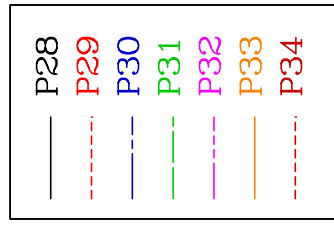
Incident Energy (MeV)

61-Pm-143

MAT 6137

Elastic Legendre Coefficients

61-Pm-143



19

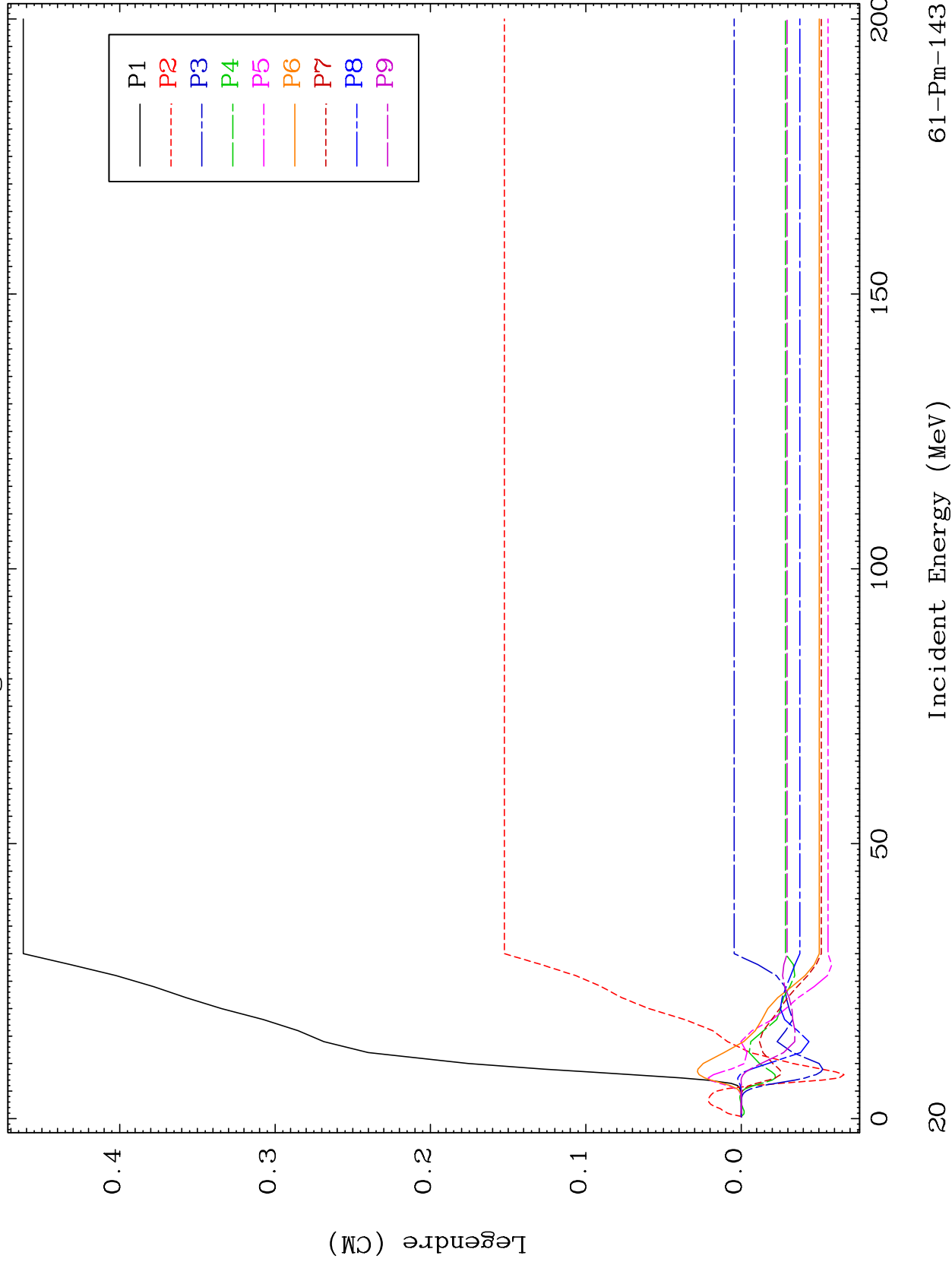
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143

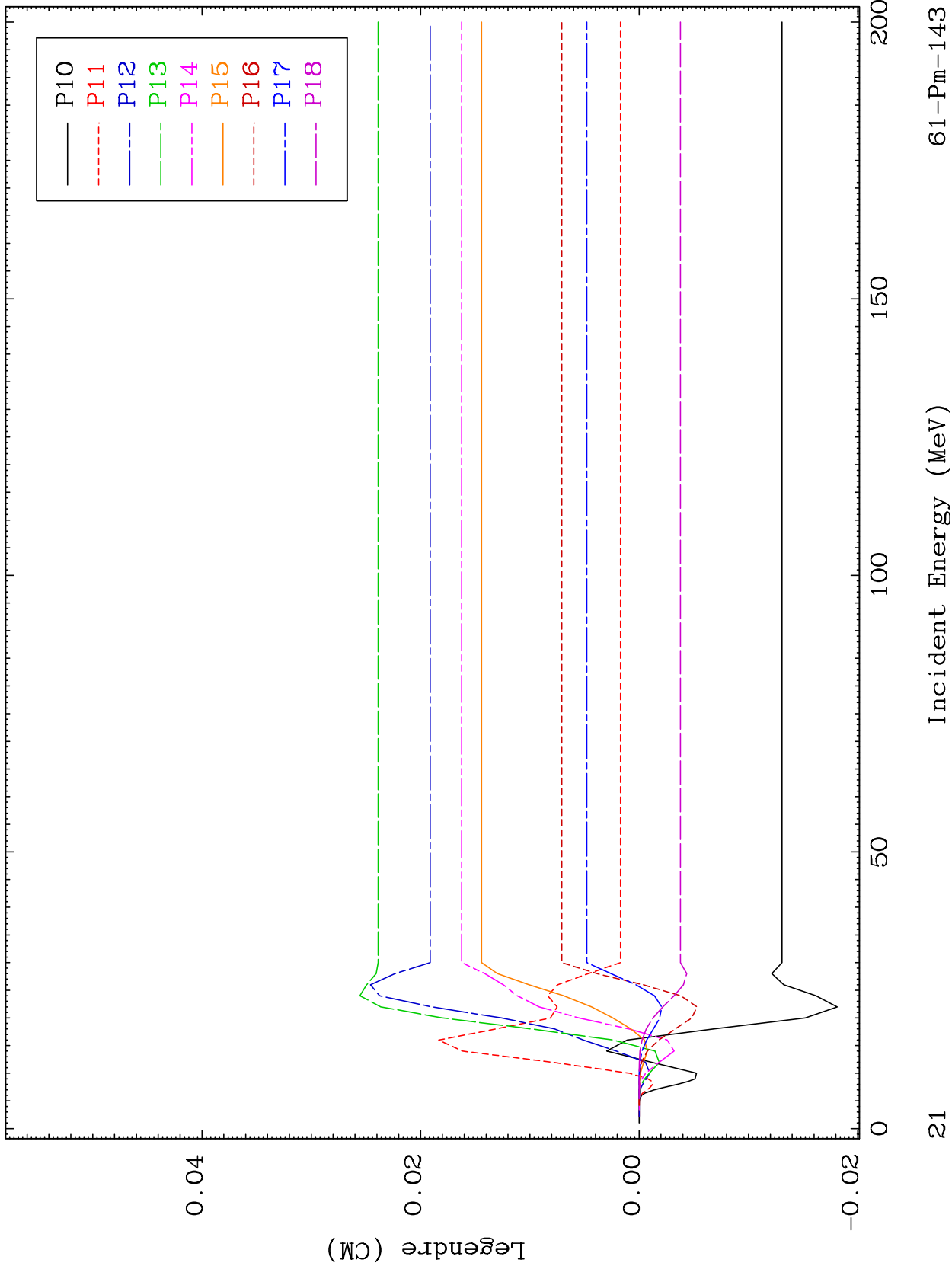


61-Pm-143

MAT 6137

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

61-Pm-143



61-Pm-143

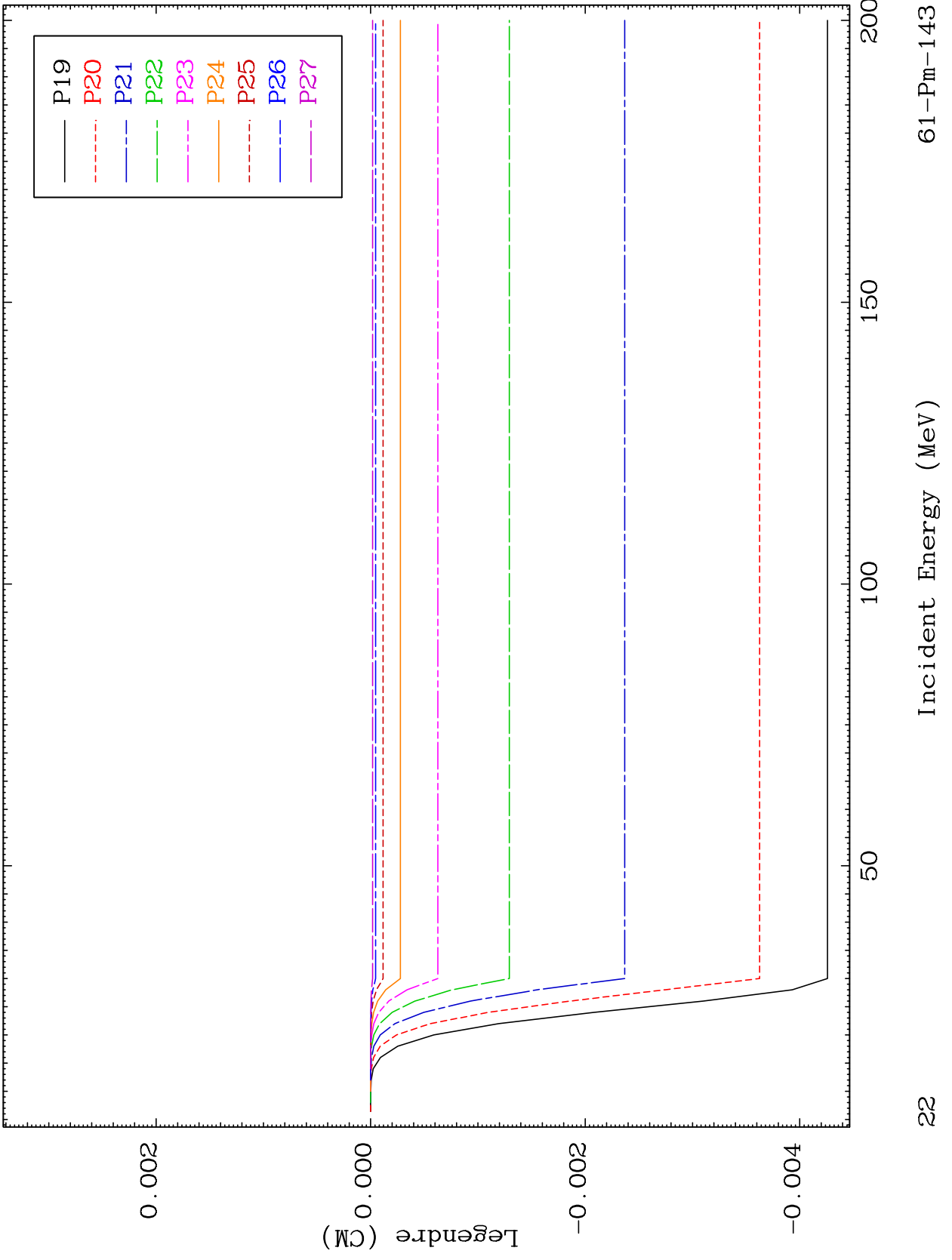
Incident Energy (MeV)

21

MAT 6137

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

61-Pm-143



22

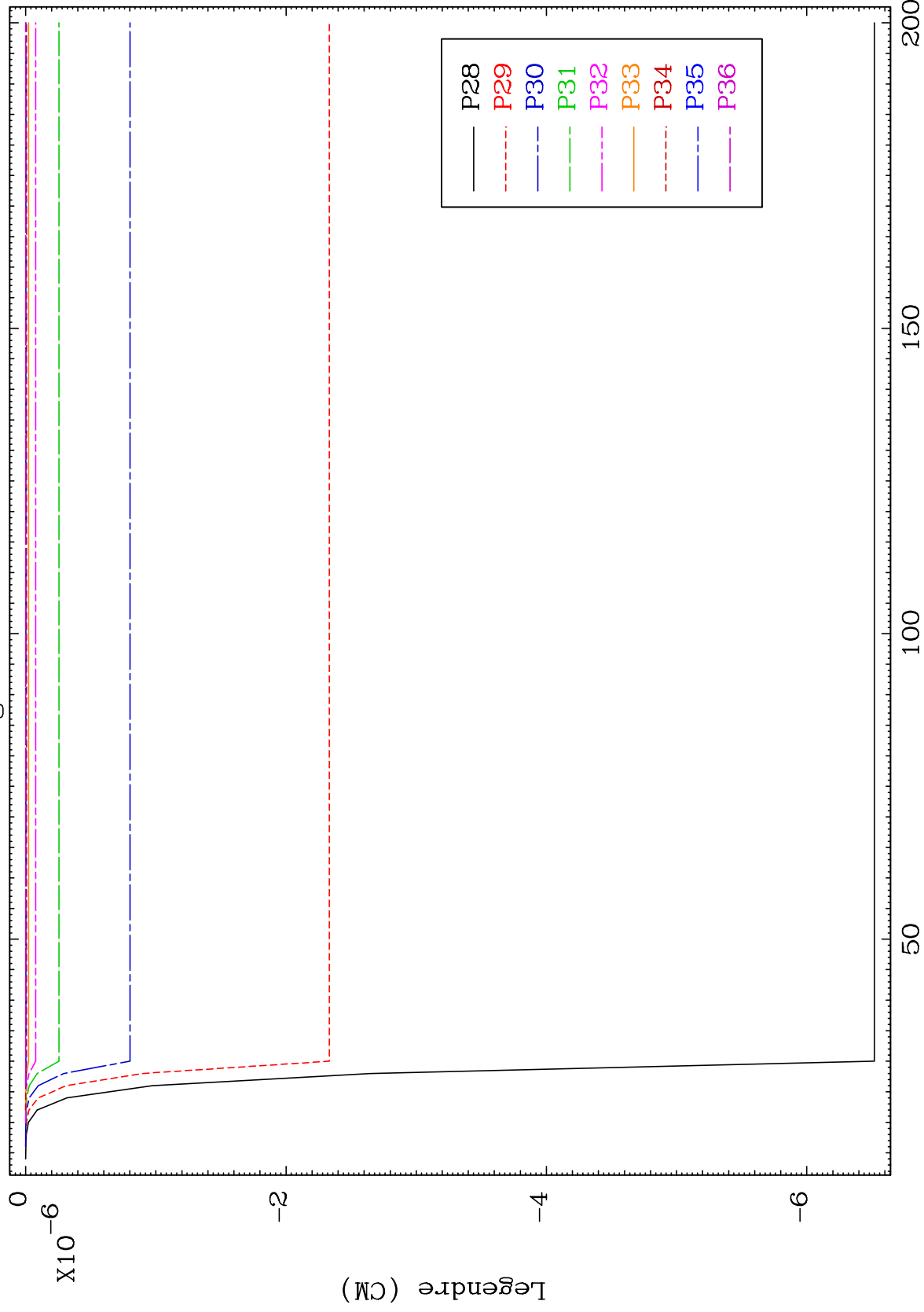
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



23

Incident Energy (MeV)

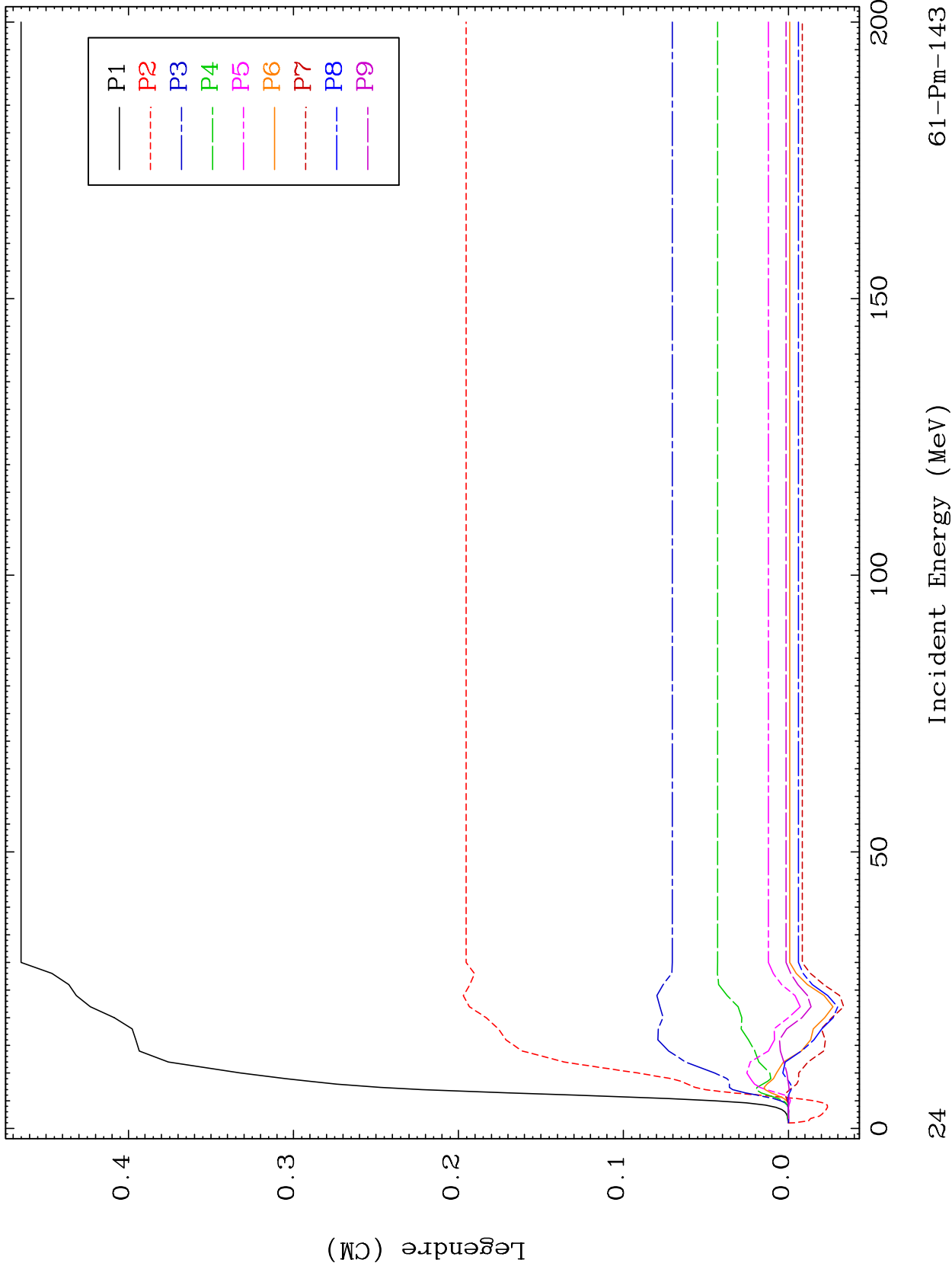
61-Pm-143



MAT 6137

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

61-Pm-143



61-Pm-143

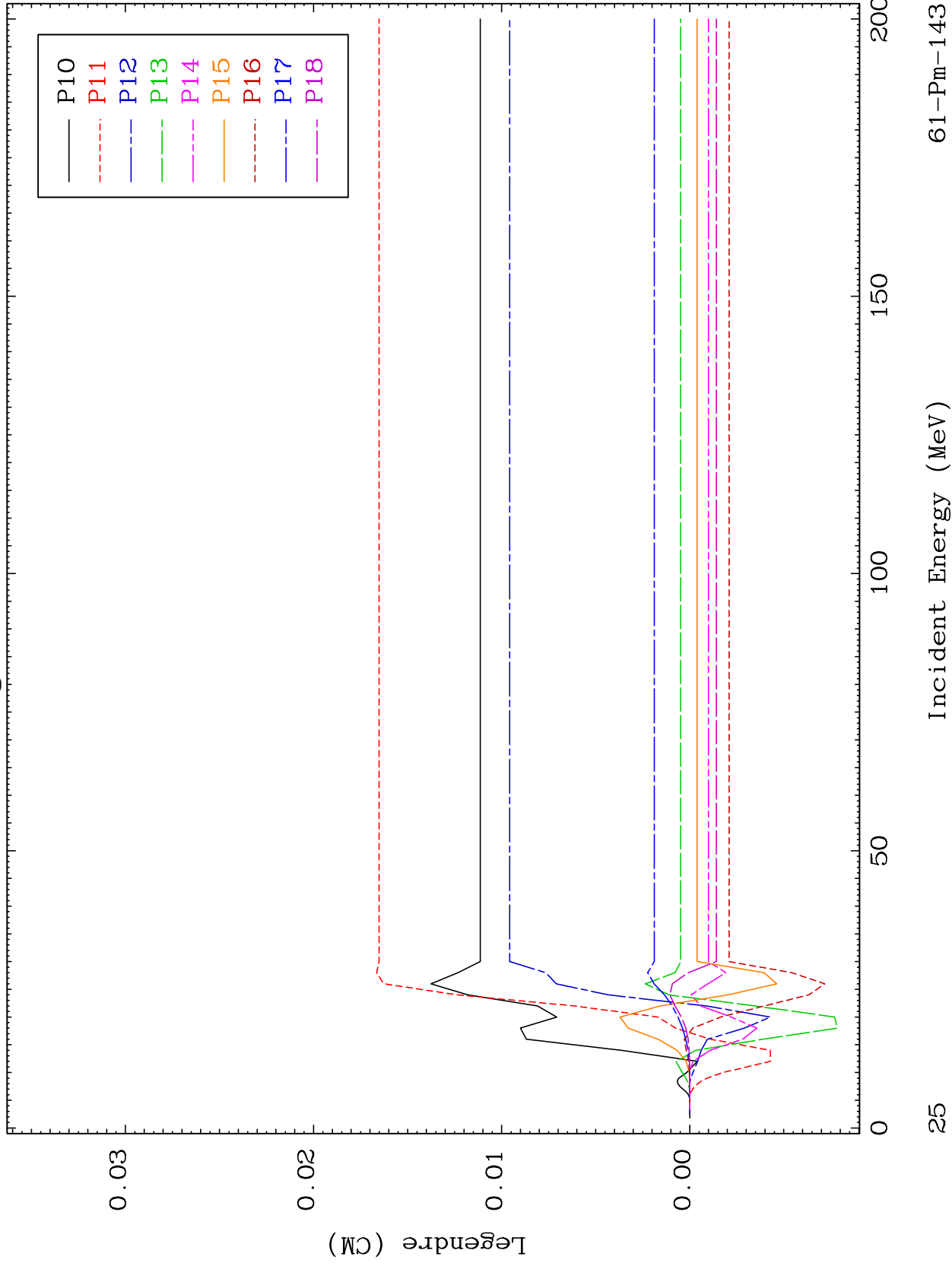
Incident Energy (MeV)

24

MAT 6137

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

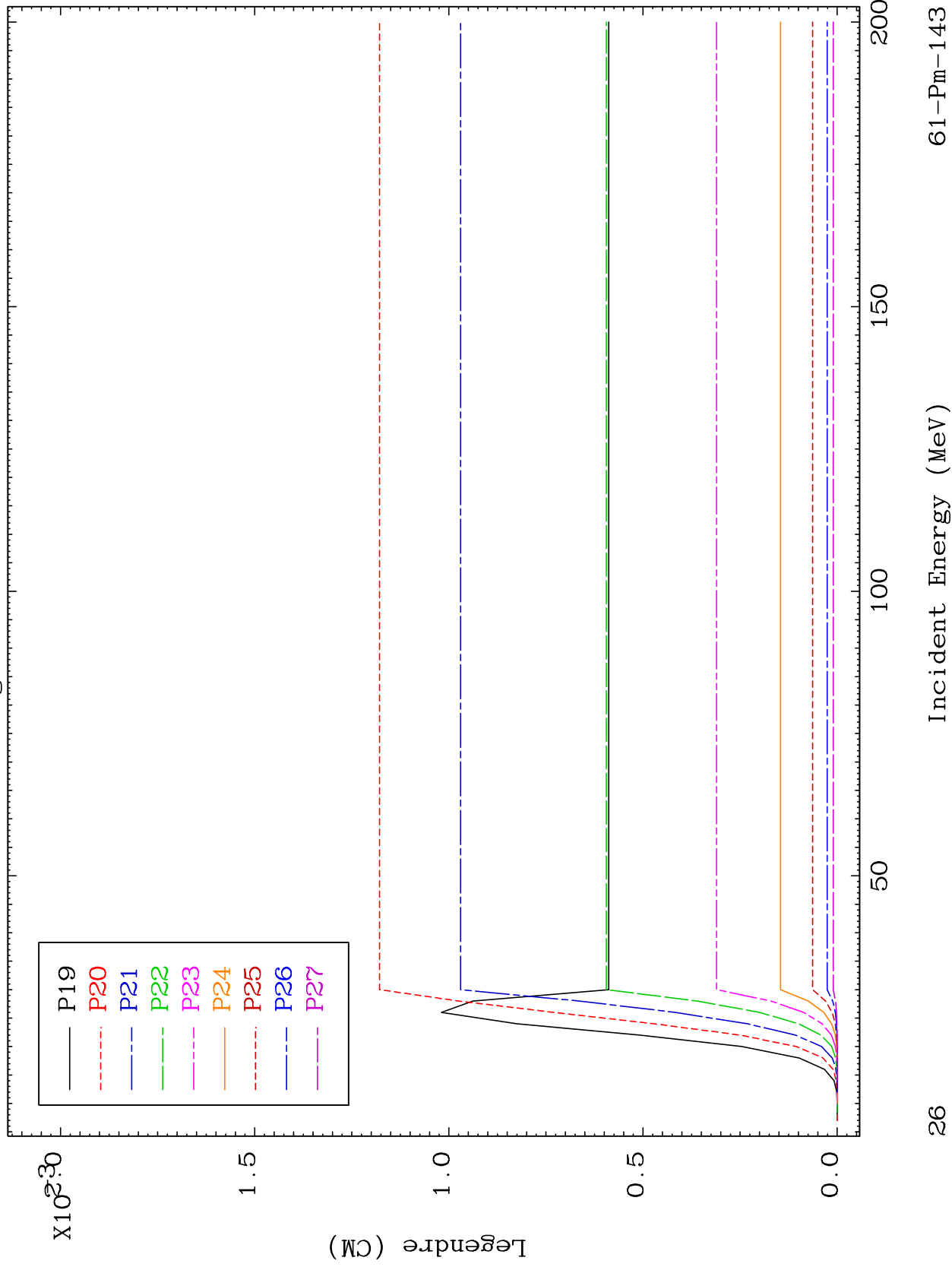
61-Pm-143



61-Pm-143

Incident Energy (MeV)

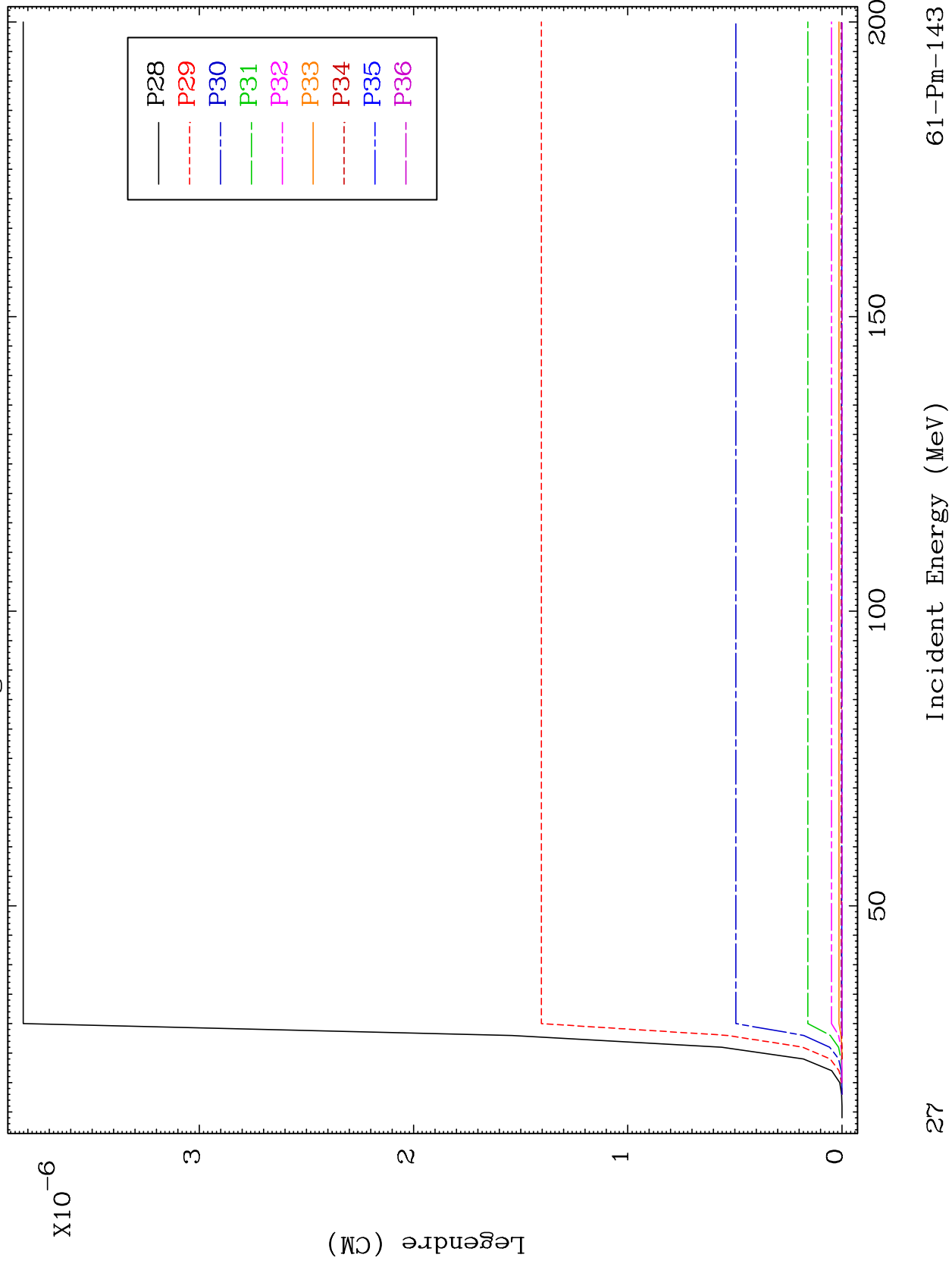
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MAT 6137

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

61-Pm-143



27

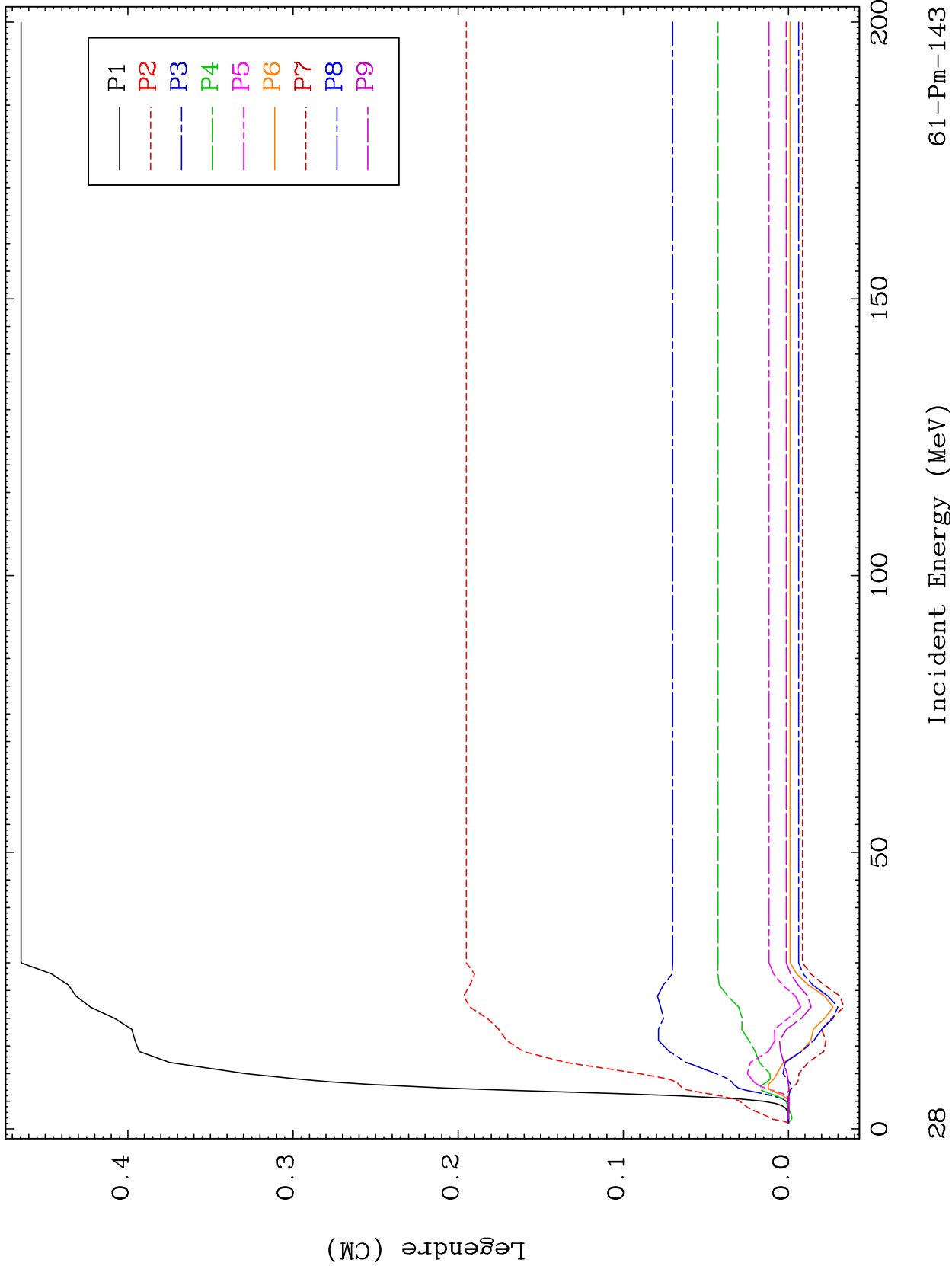
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



61-Pm-143

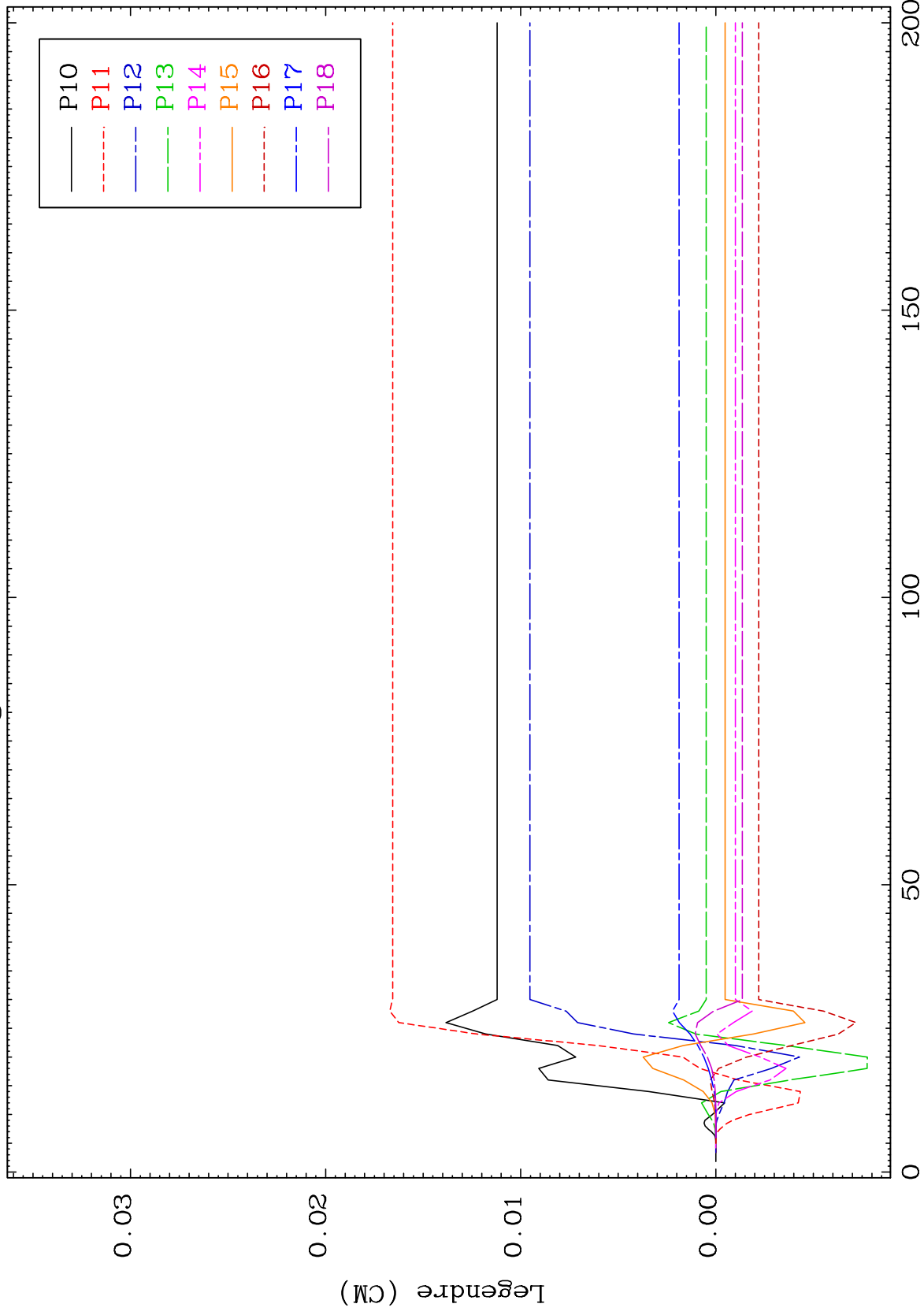
Incident Energy (MeV)

28

MAT 6137

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

61-Pm-143



29

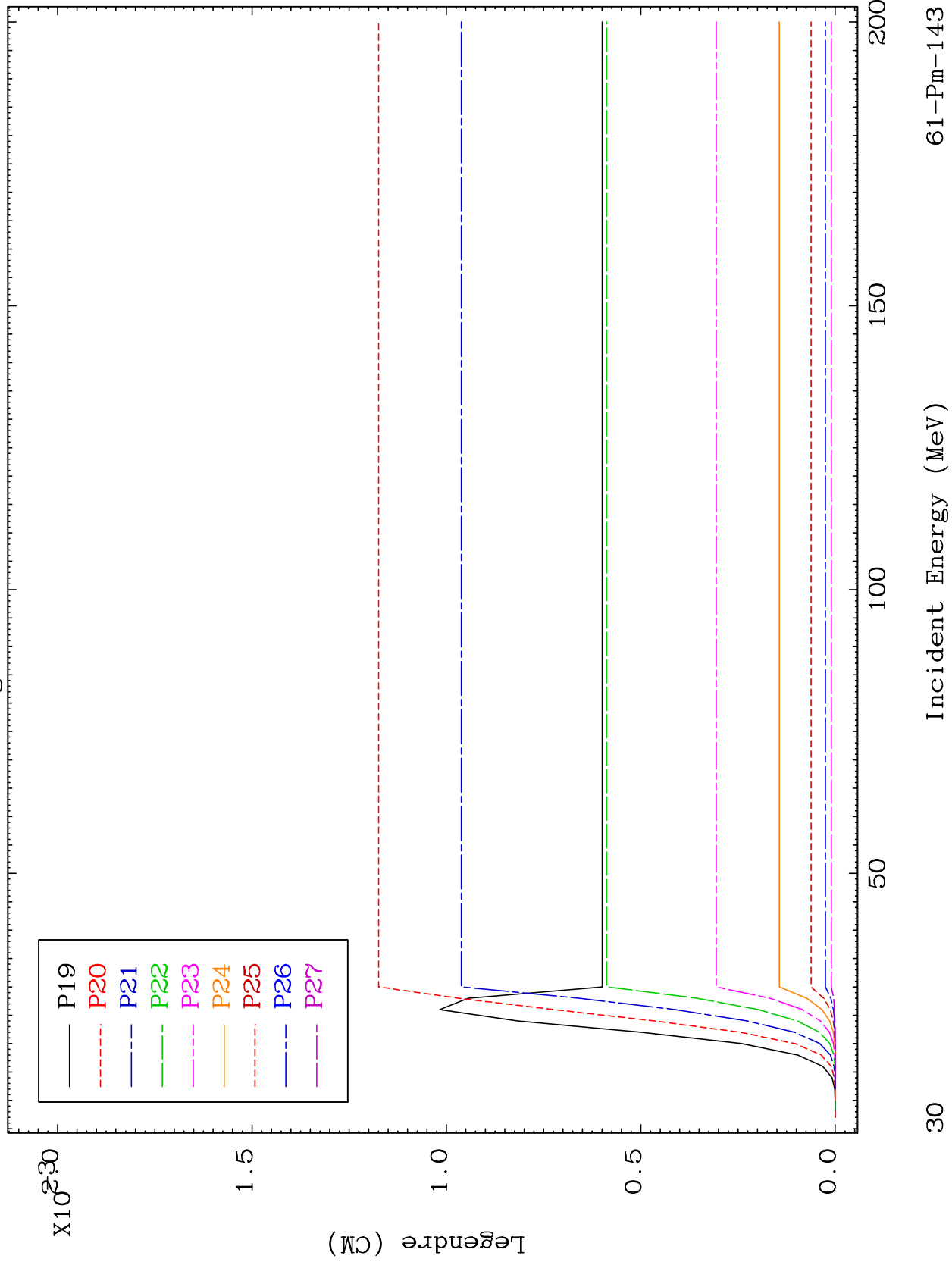
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

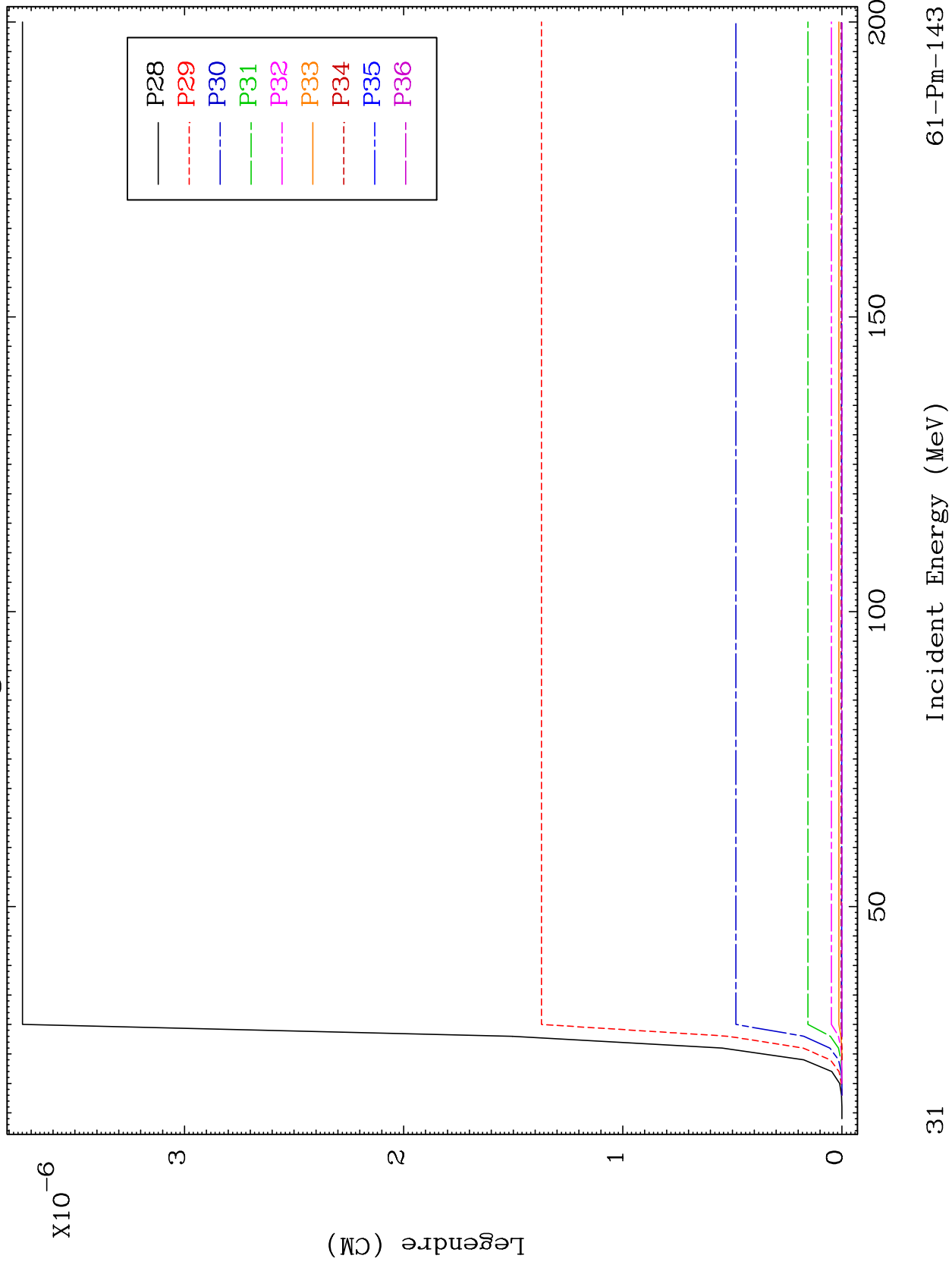
61-Pm-143



MAT 6137

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

61-Pm-143



31

Incident Energy (MeV)

61-Pm-143

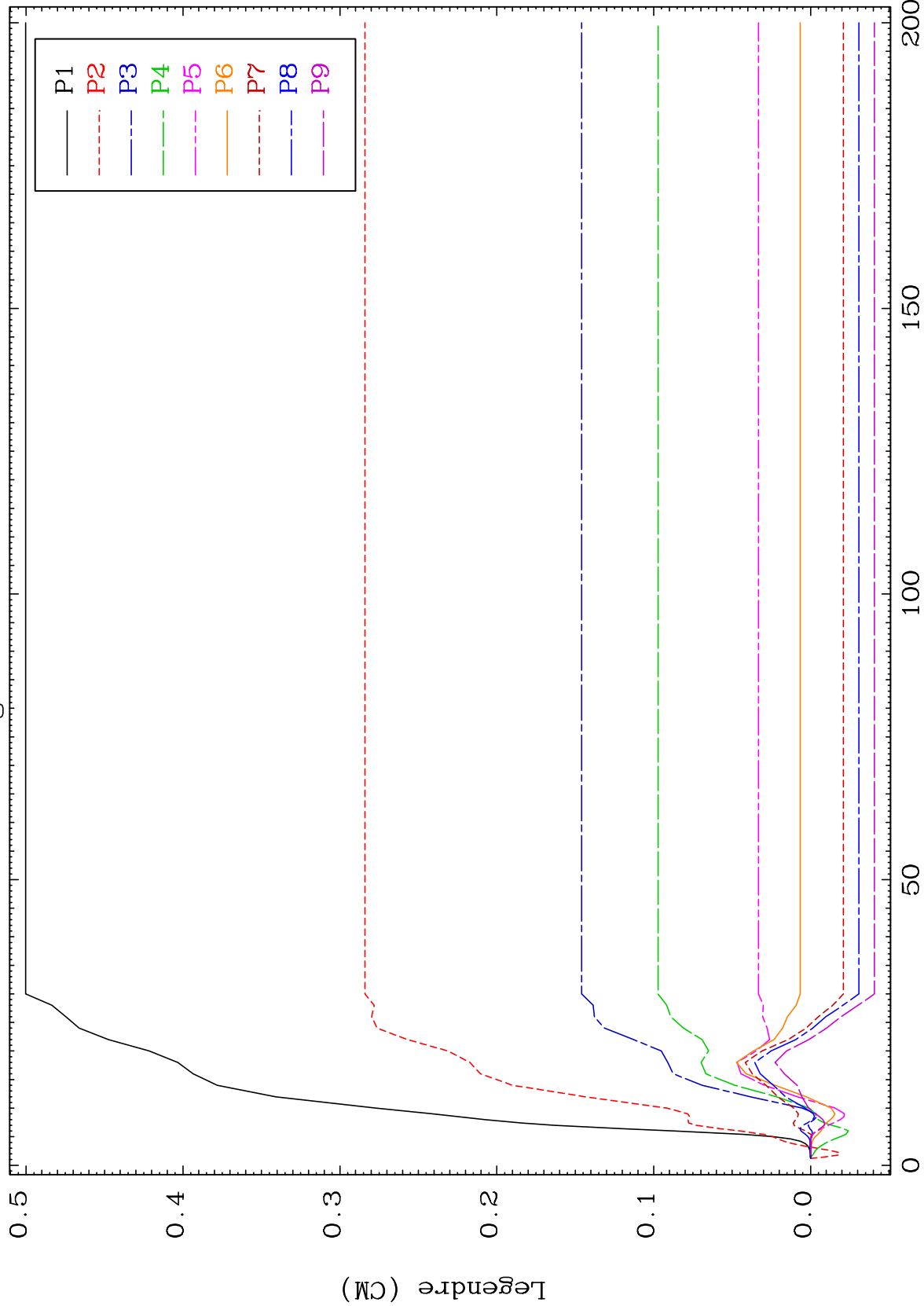


MAT 6137

MT= 54 (n,n') Level

61-Pm-143

Legendre Coefficients



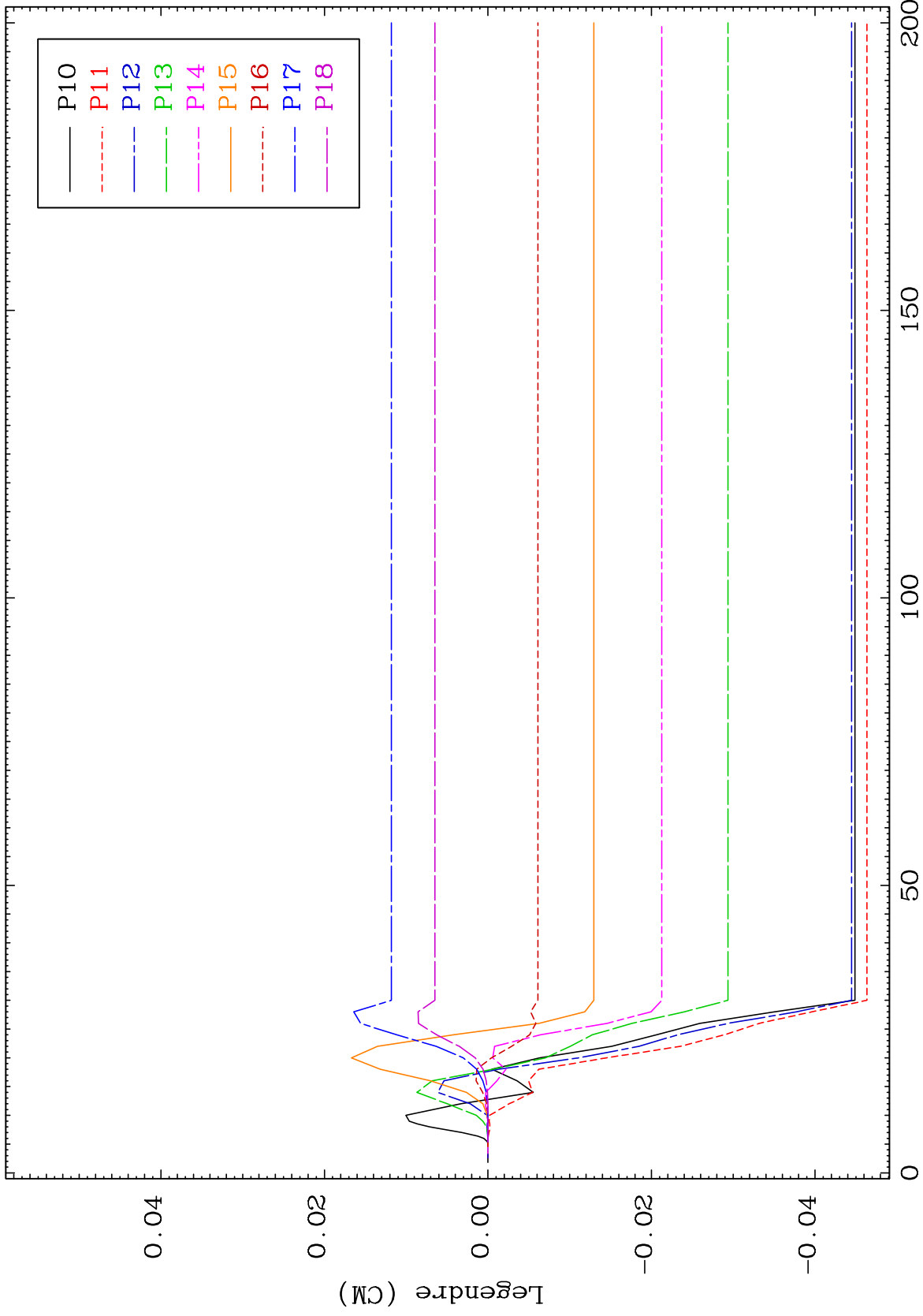
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61-Pm-143

MAT 6137

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

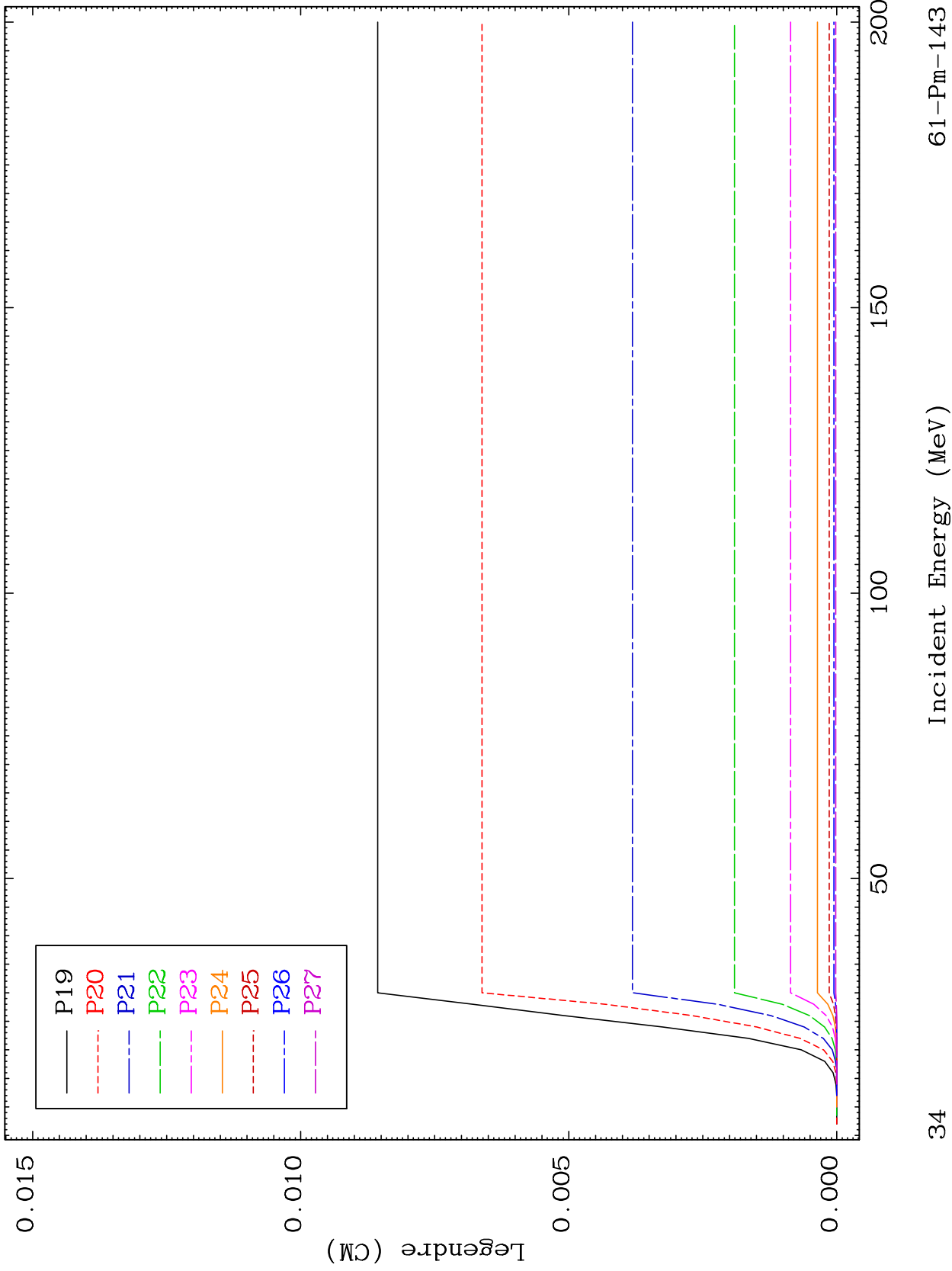
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33

Incident Energy (MeV)

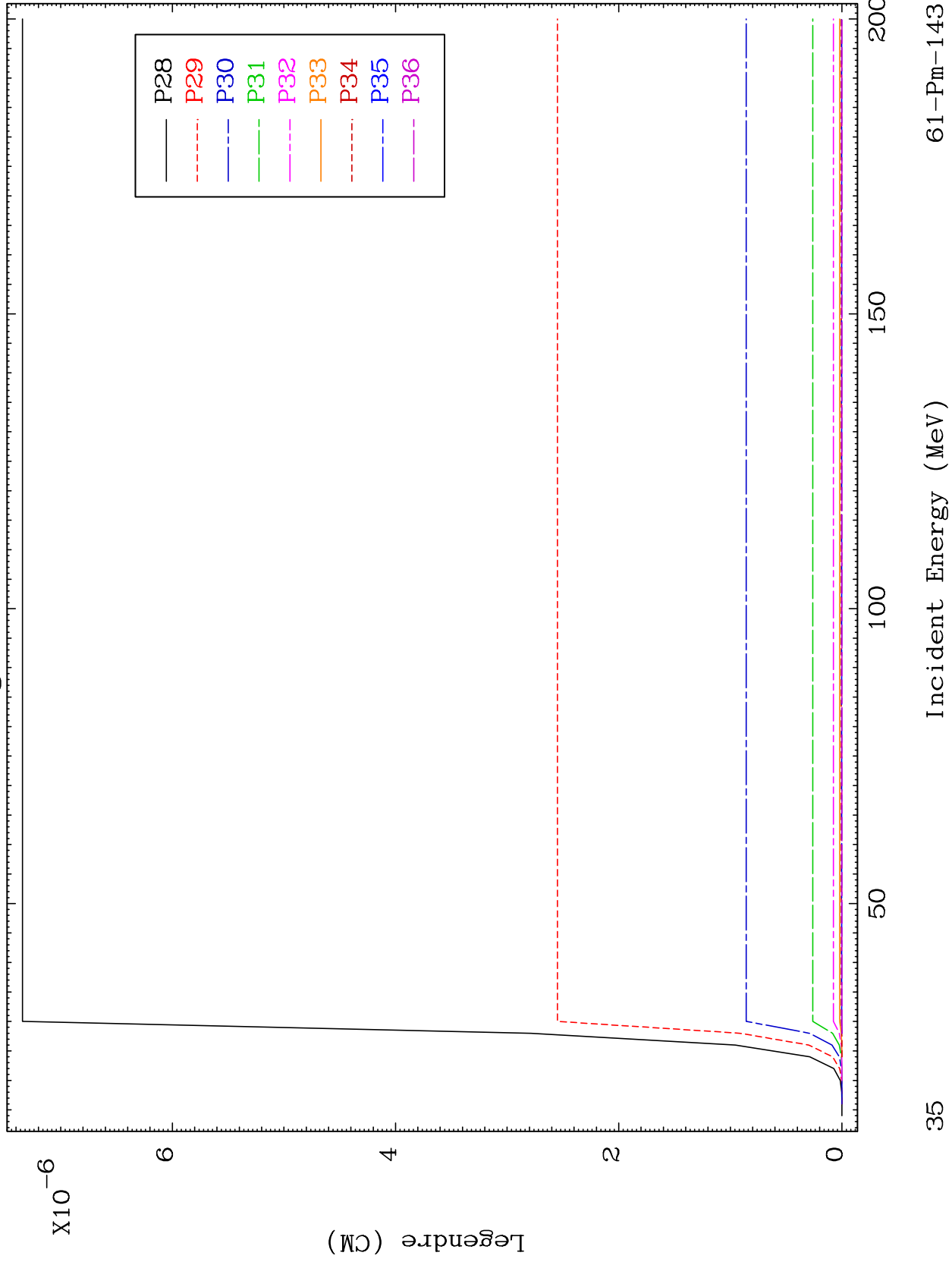
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MAT 6137

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

61-Pm-143



35

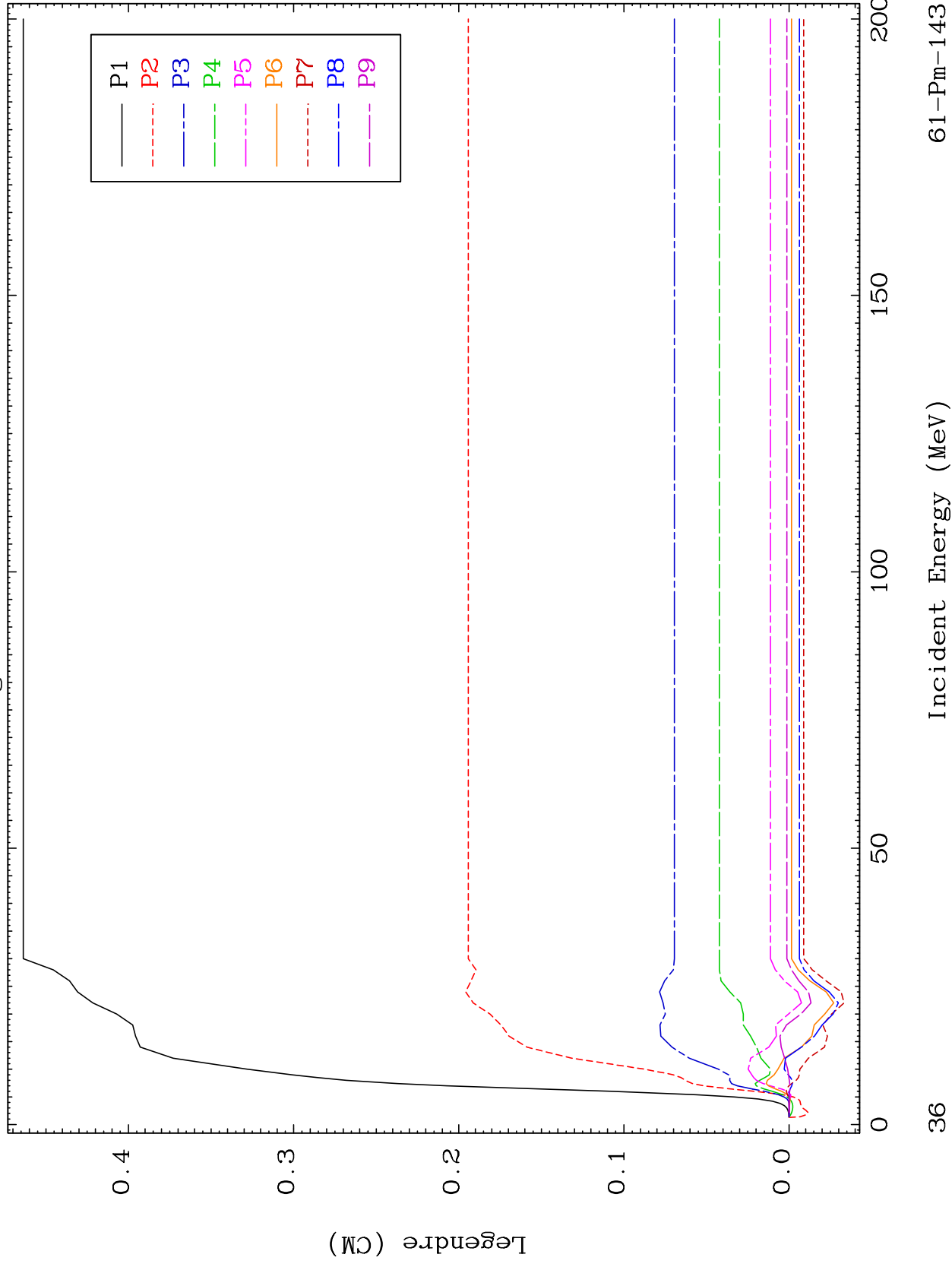
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



61-Pm-143

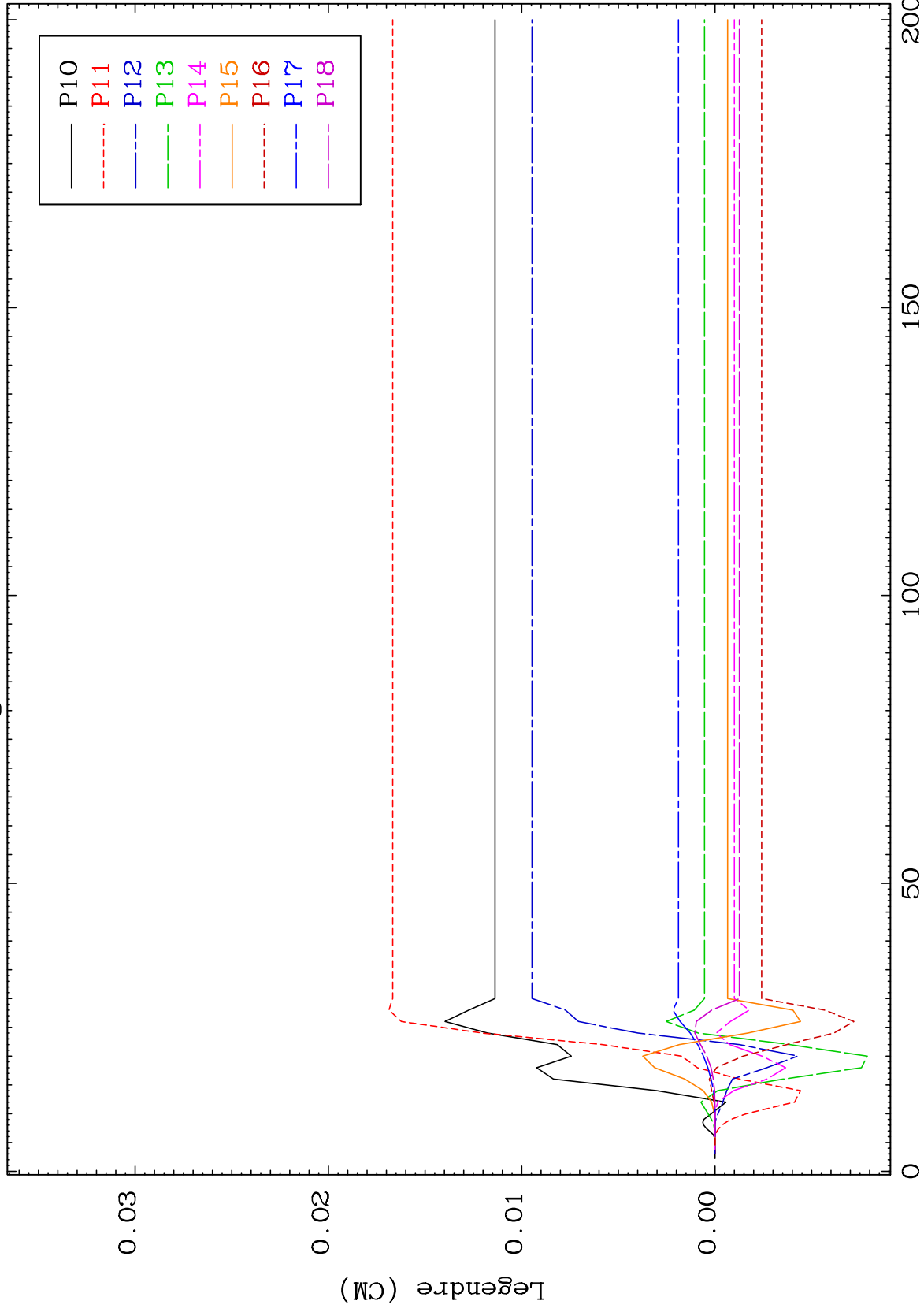
Incident Energy (MeV)

36

MAT 6137

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

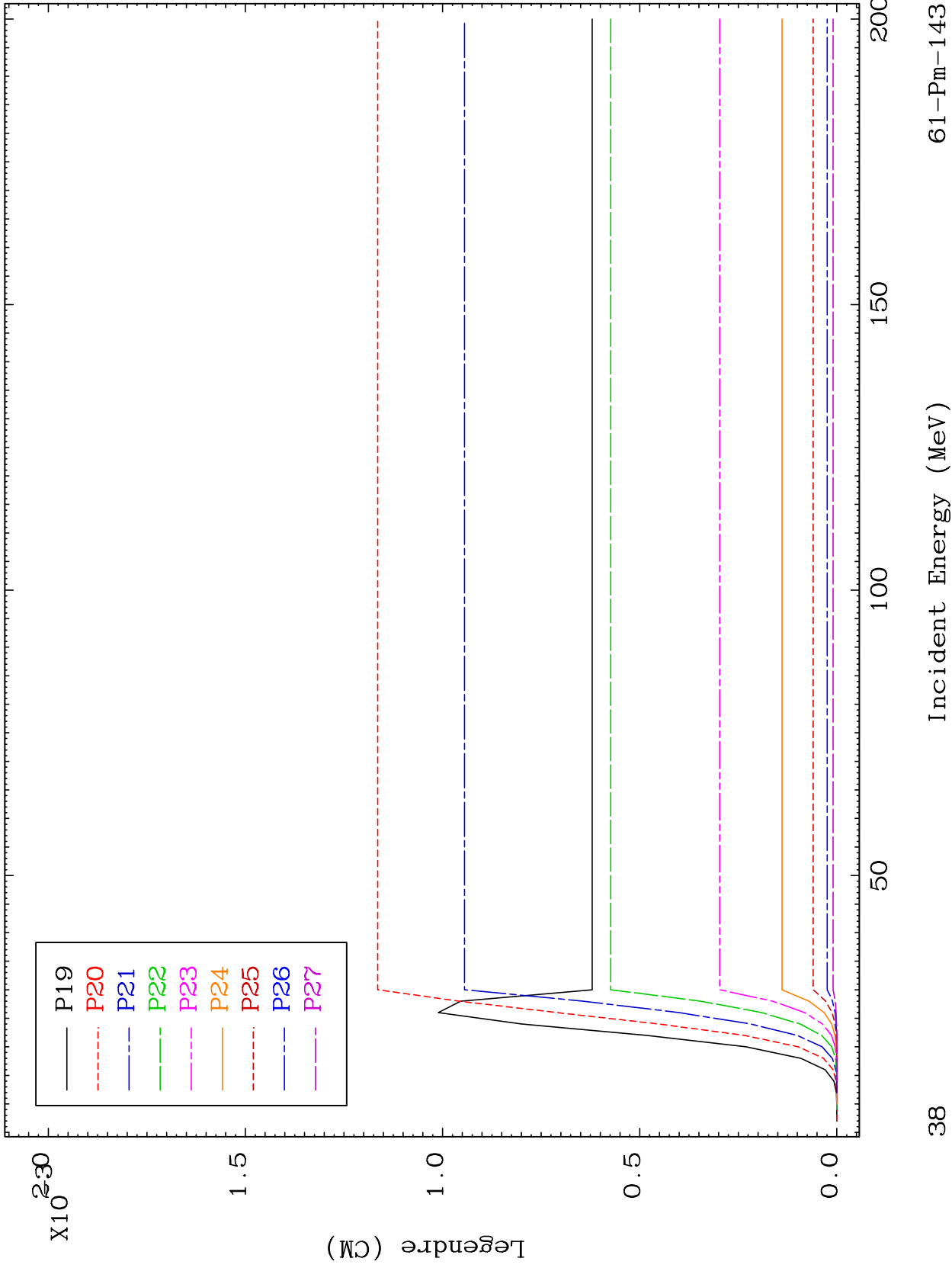
61-Pm-143



37

Incident Energy (MeV)

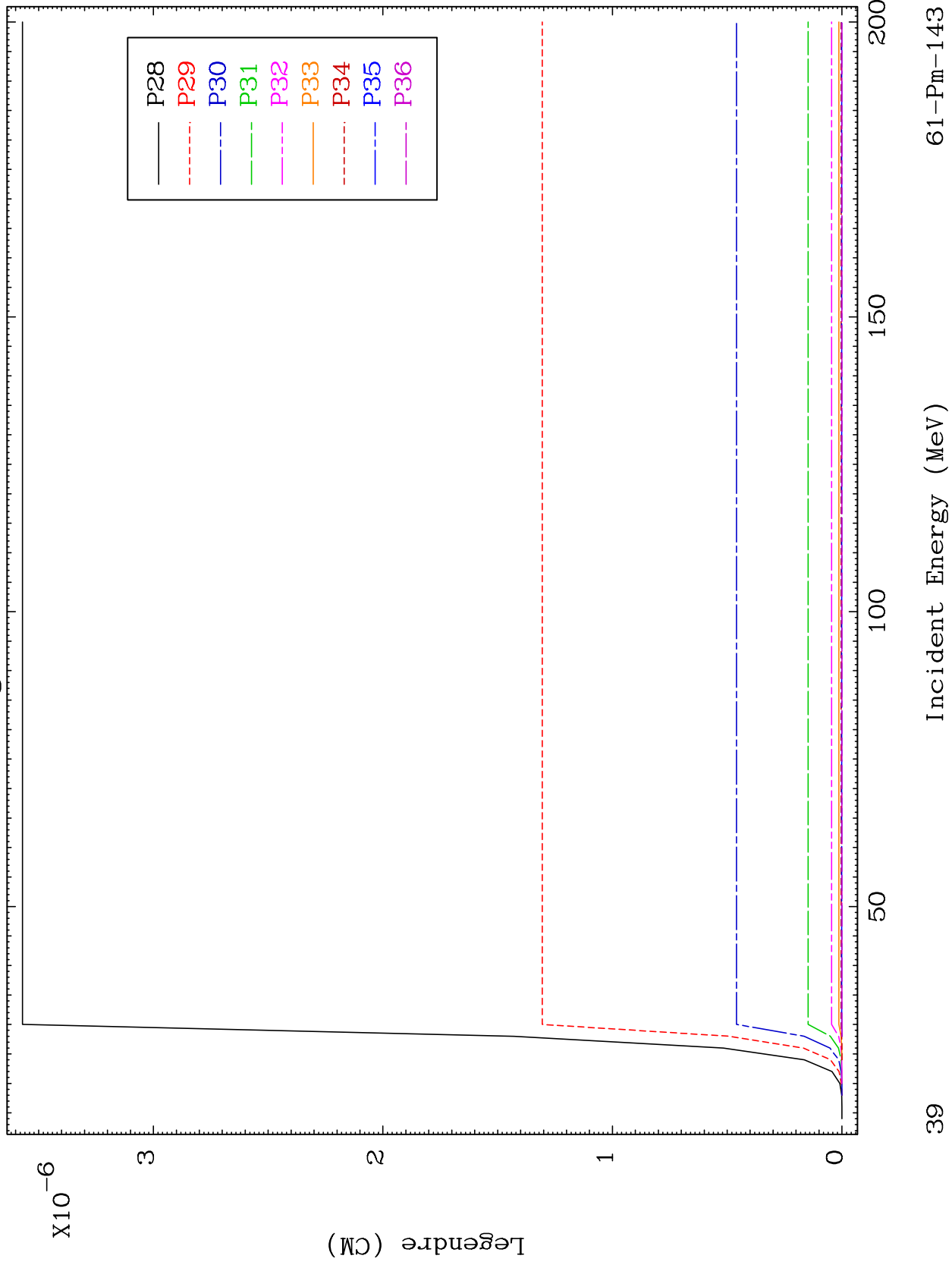
61-Pm-143



MAT 6137

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

61-Pm-143



39

Incident Energy (MeV)

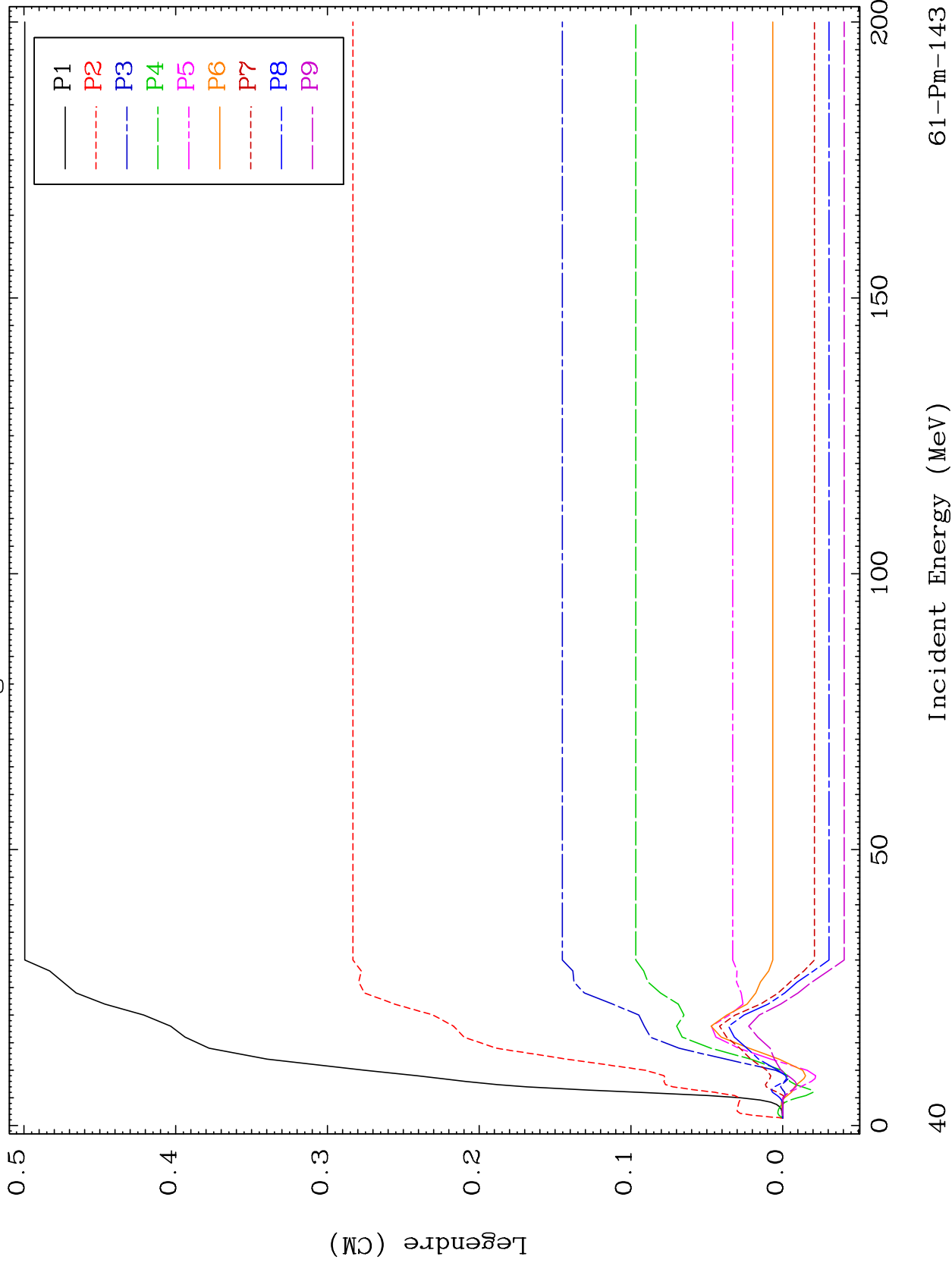
61-Pm-143



MAT 6137

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

61-Pm-143



61-Pm-143

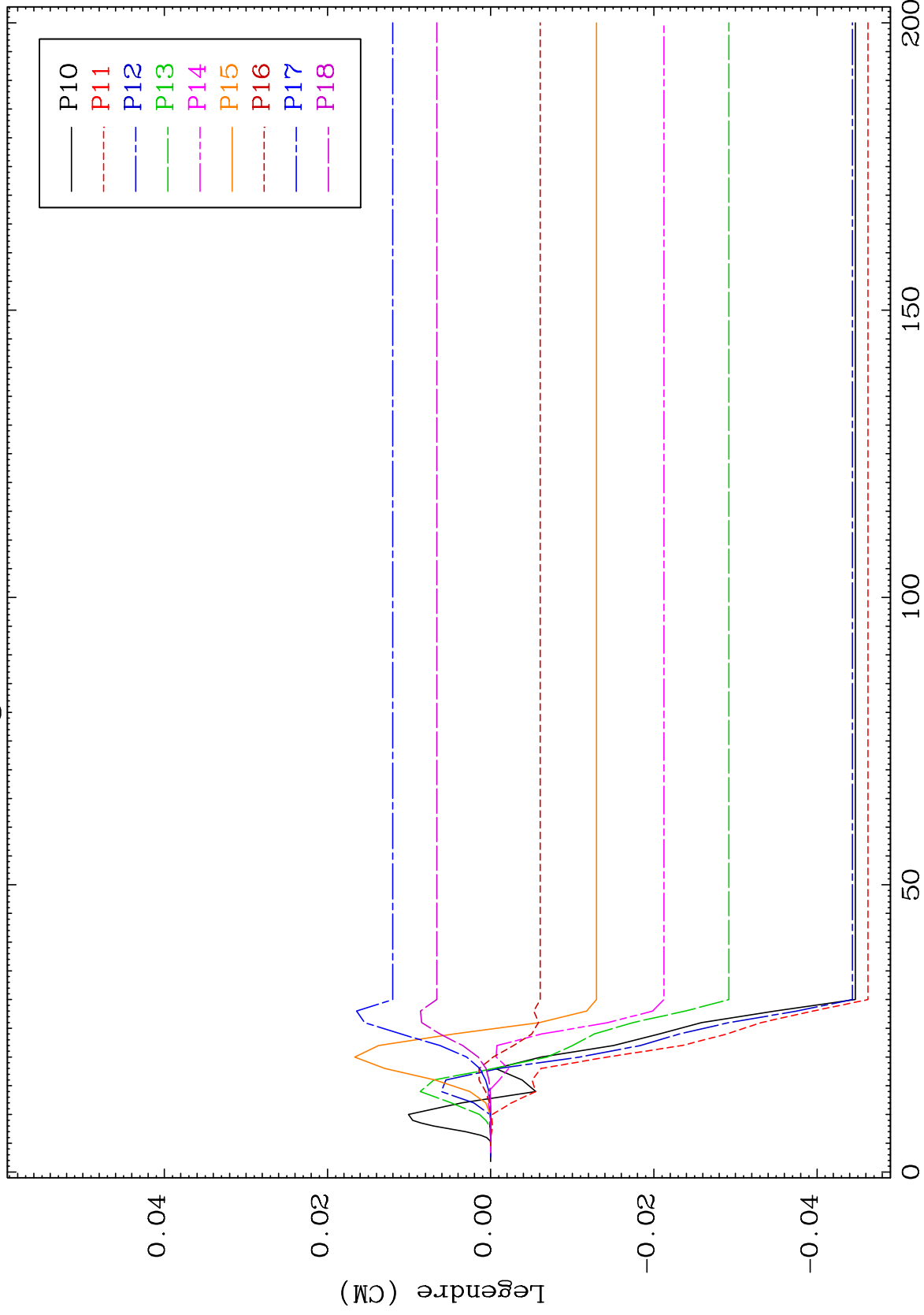
Incident Energy (MeV)

40

MAT 6137

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

61-Pm-143



41

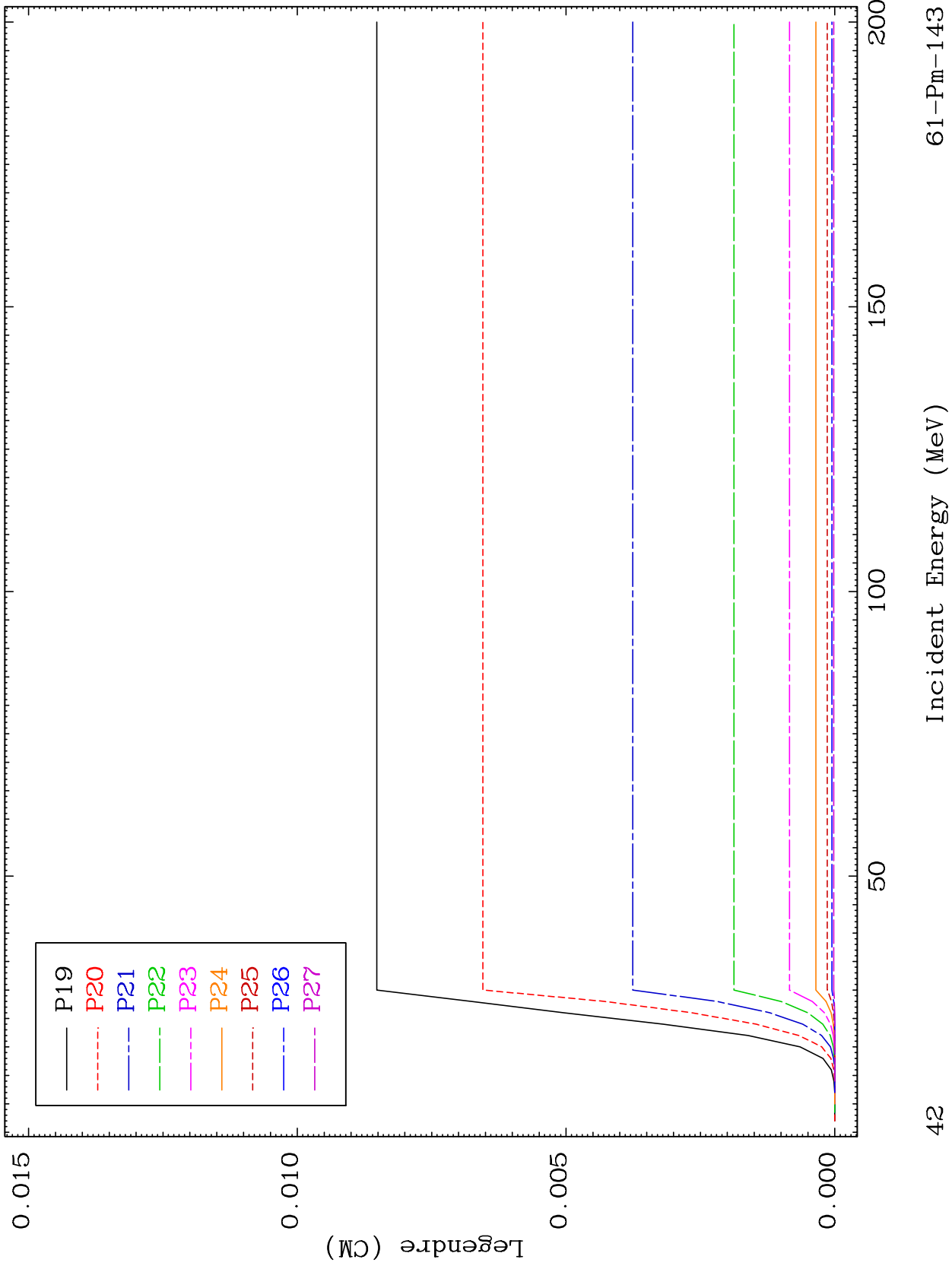
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



42

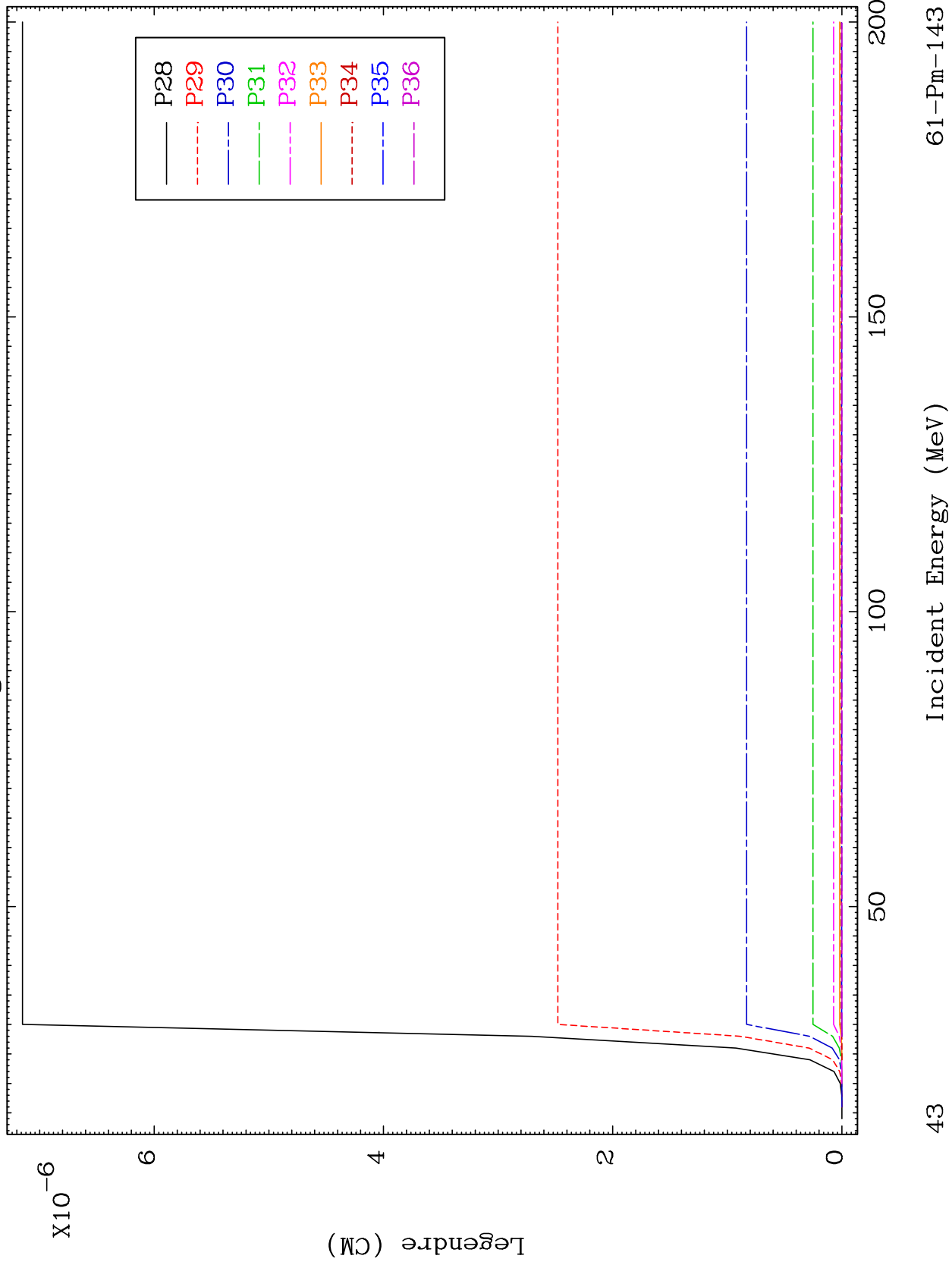
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



43

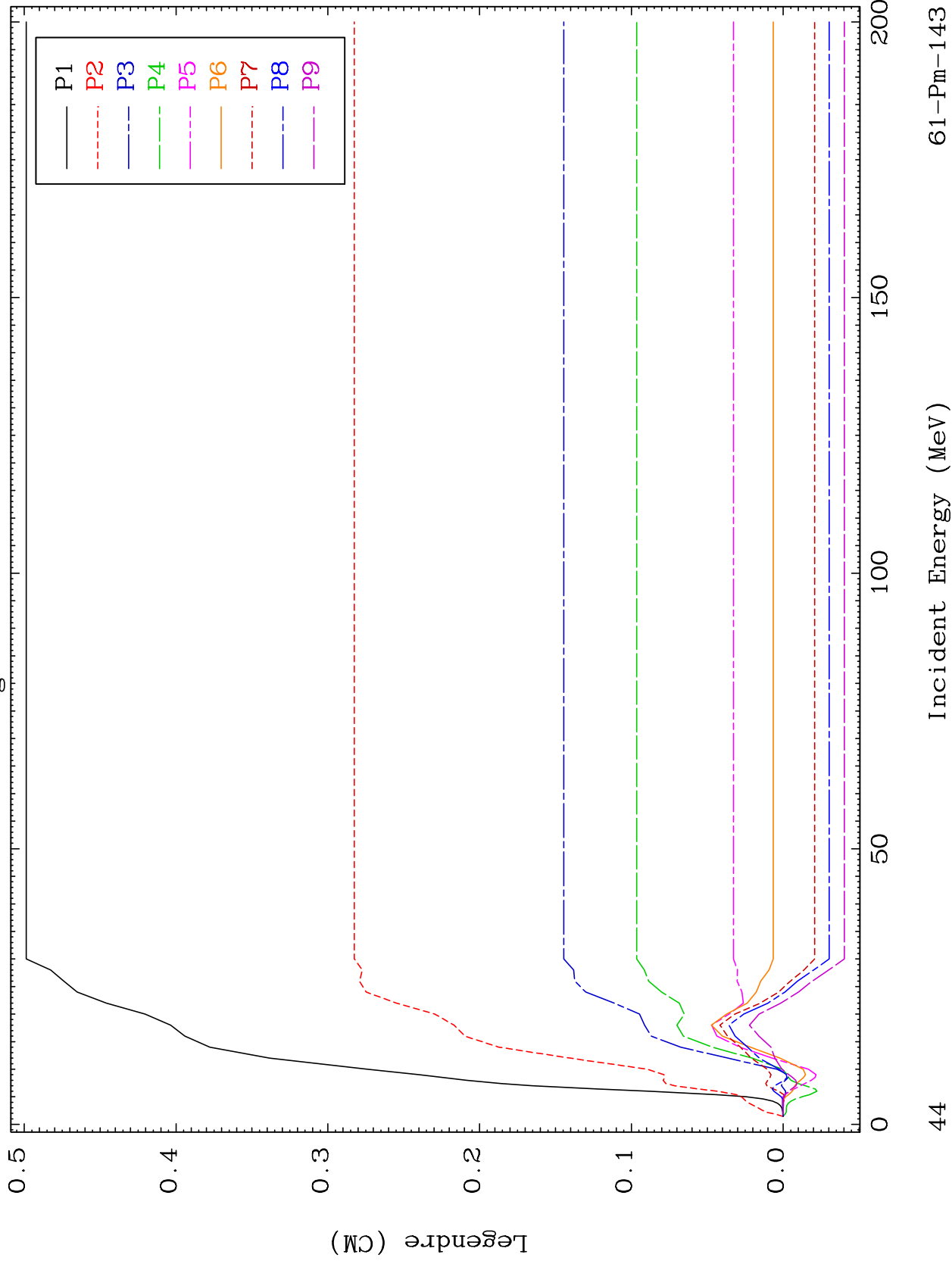
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



61-Pm-143

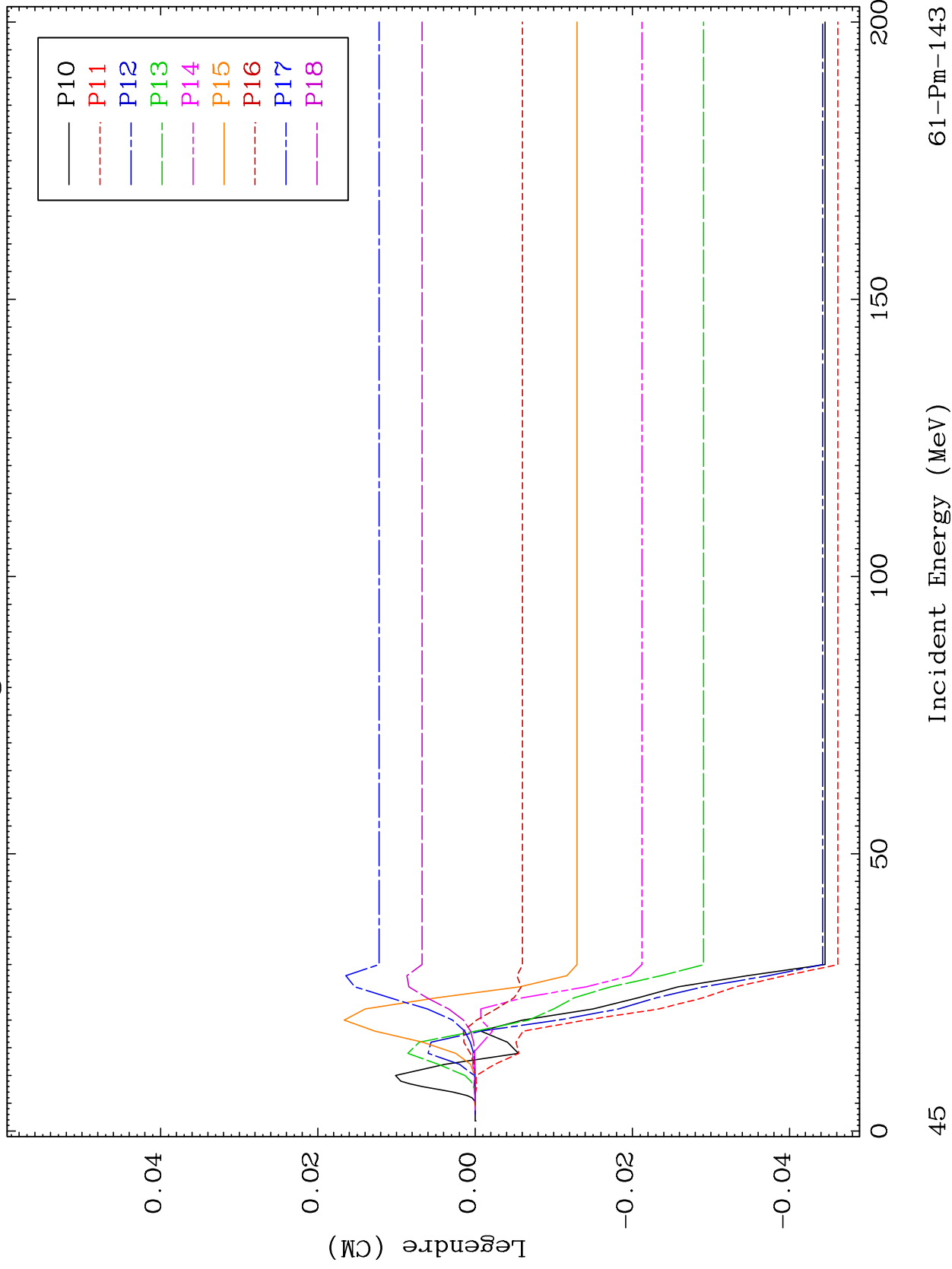
Incident Energy (MeV)

44

MAT 6137

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

61-Pm-143



61-Pm-143

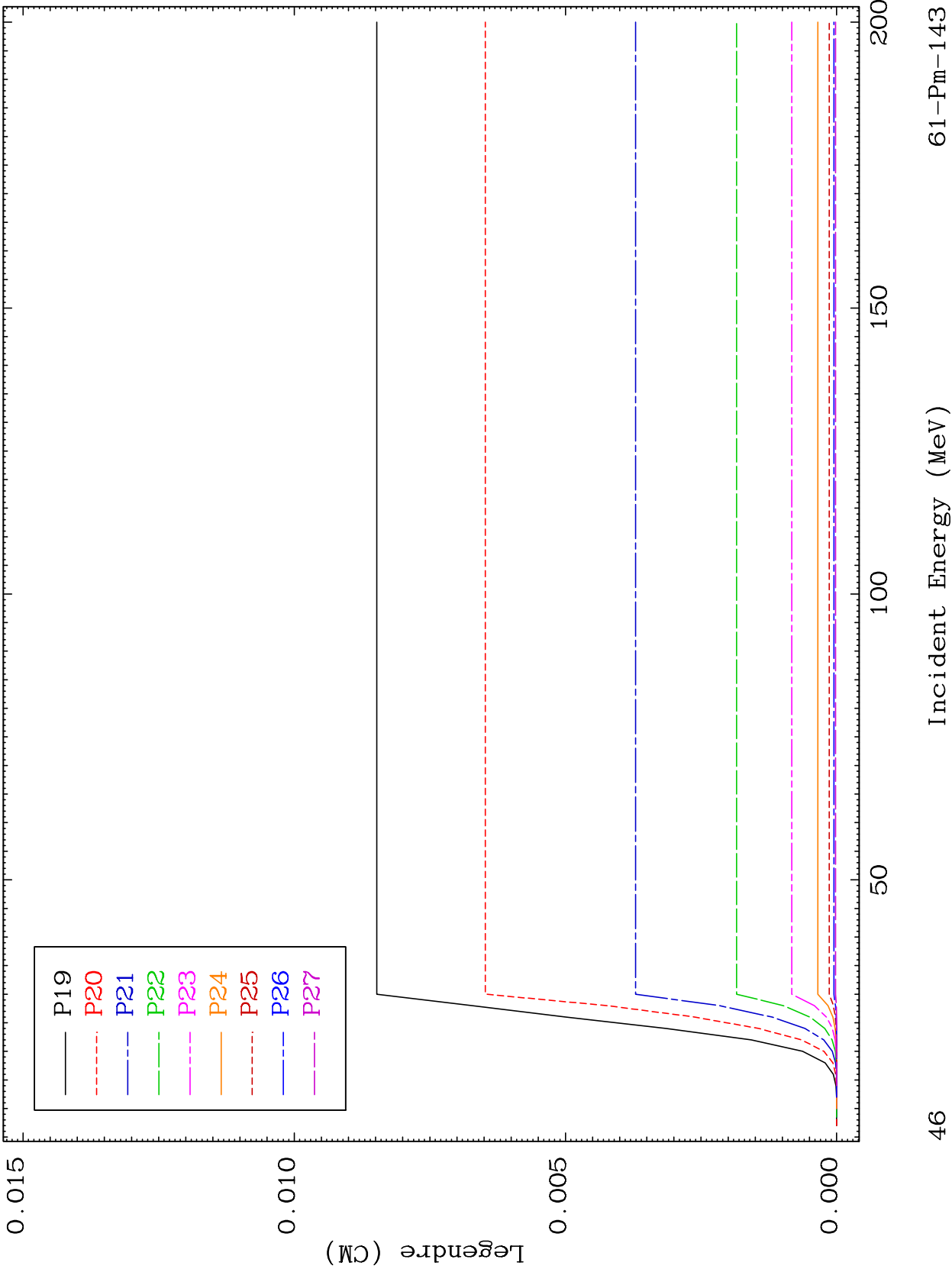
Incident Energy (MeV)

45

MAT 6137

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

61-Pm-143



46

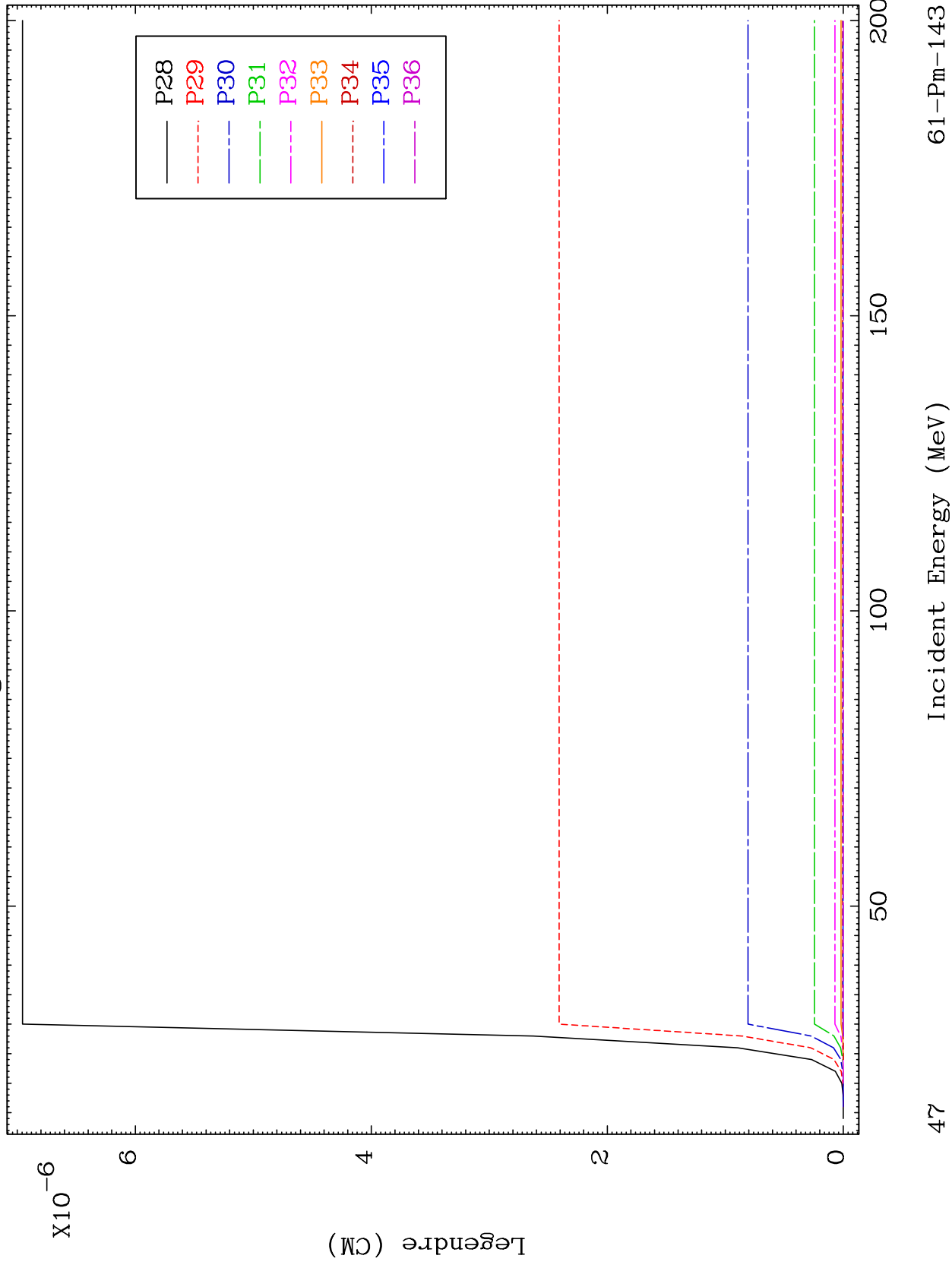
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143

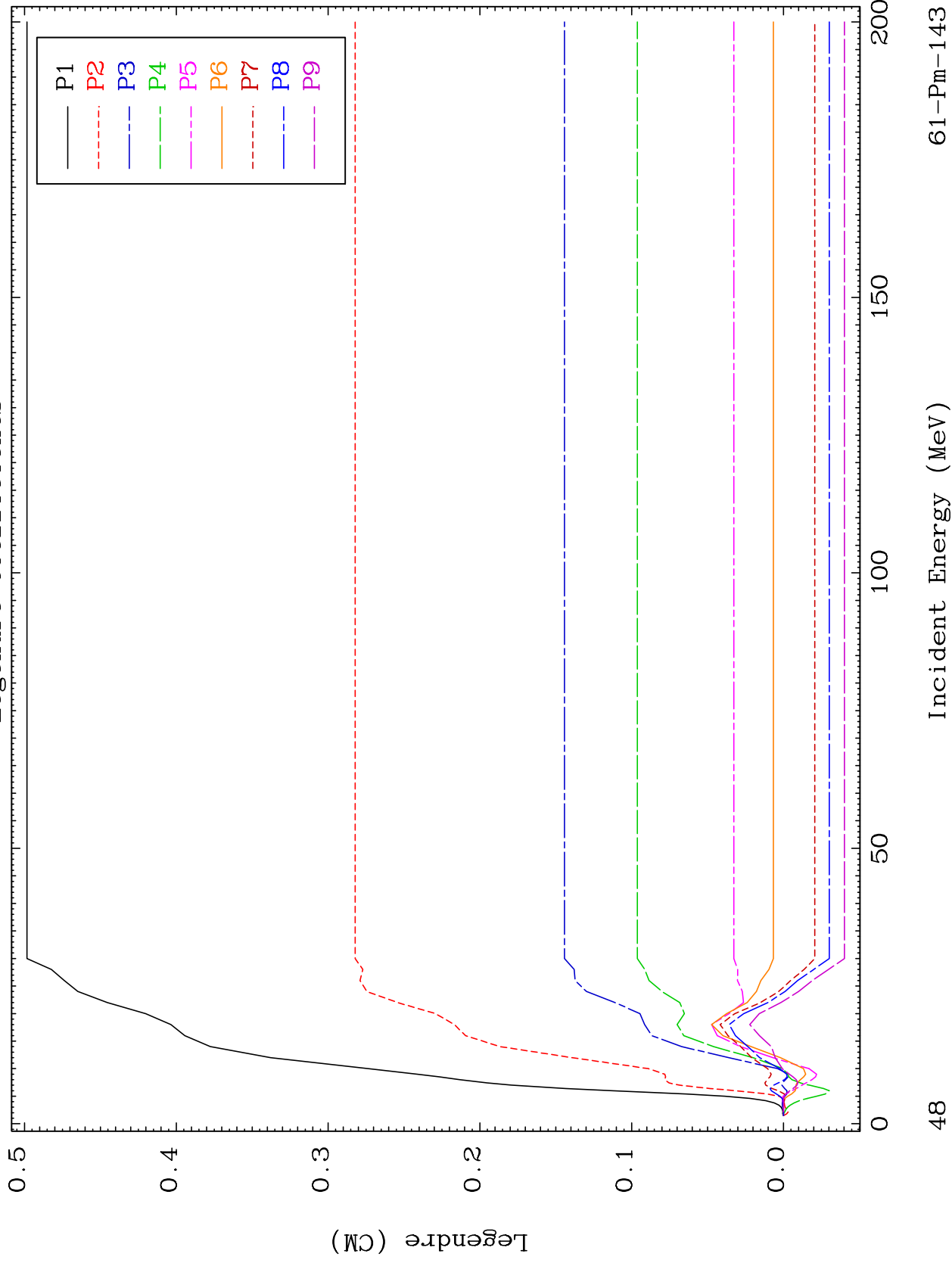




MAT 6137

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

61-Pm-143



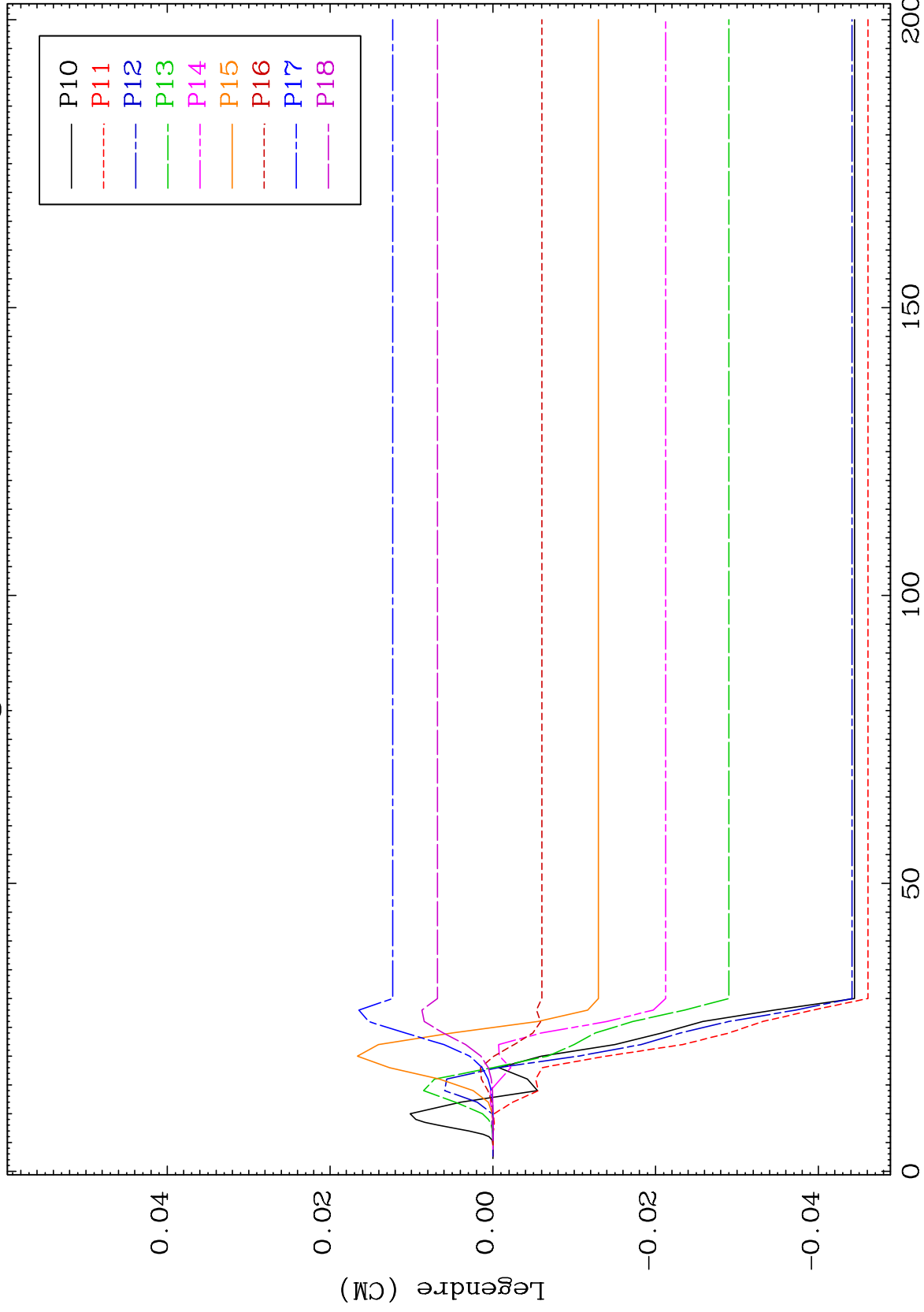
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61-Pm-143

MAT 6137

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

61-Pm-143



49

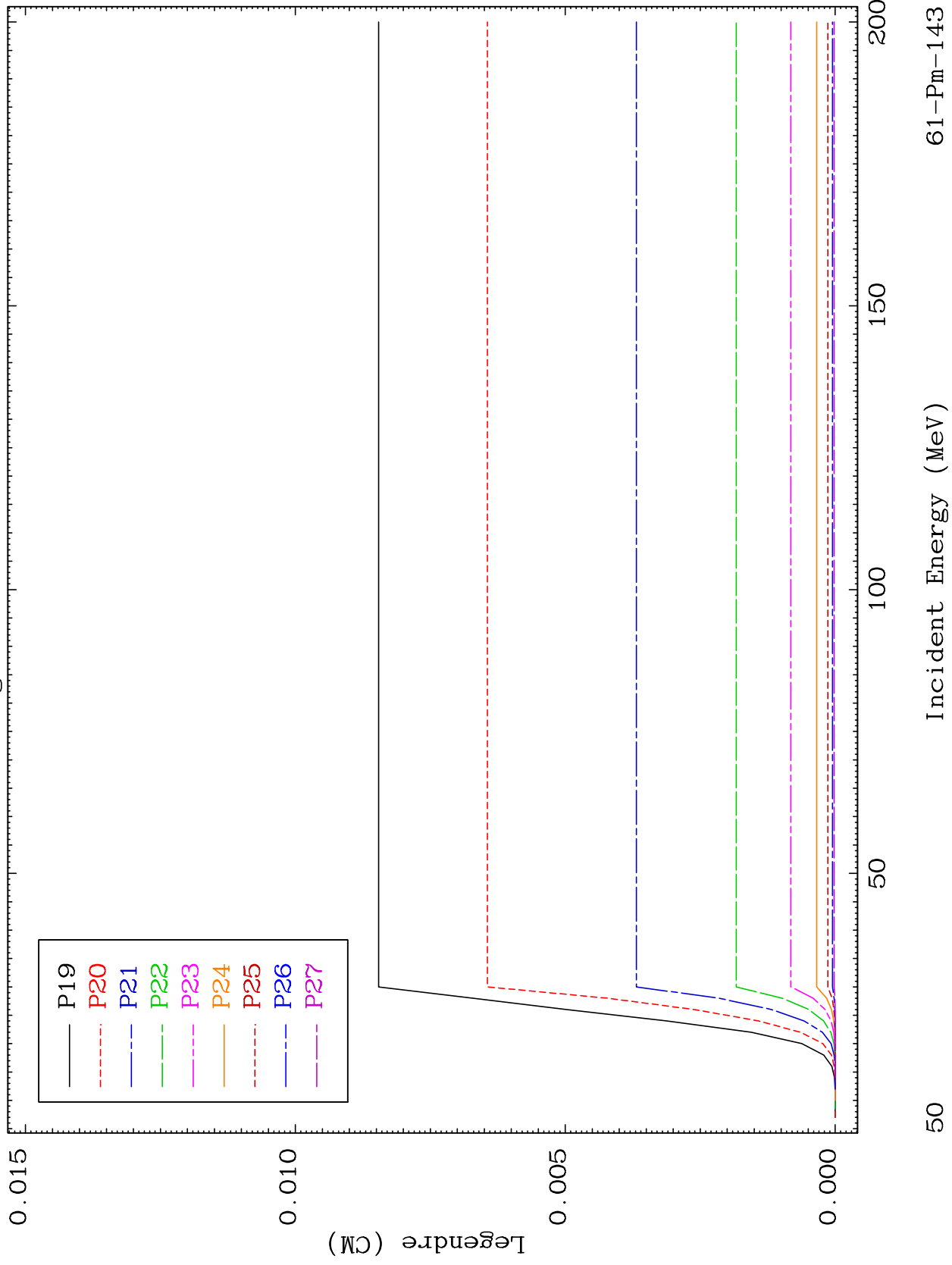
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



61-Pm-143

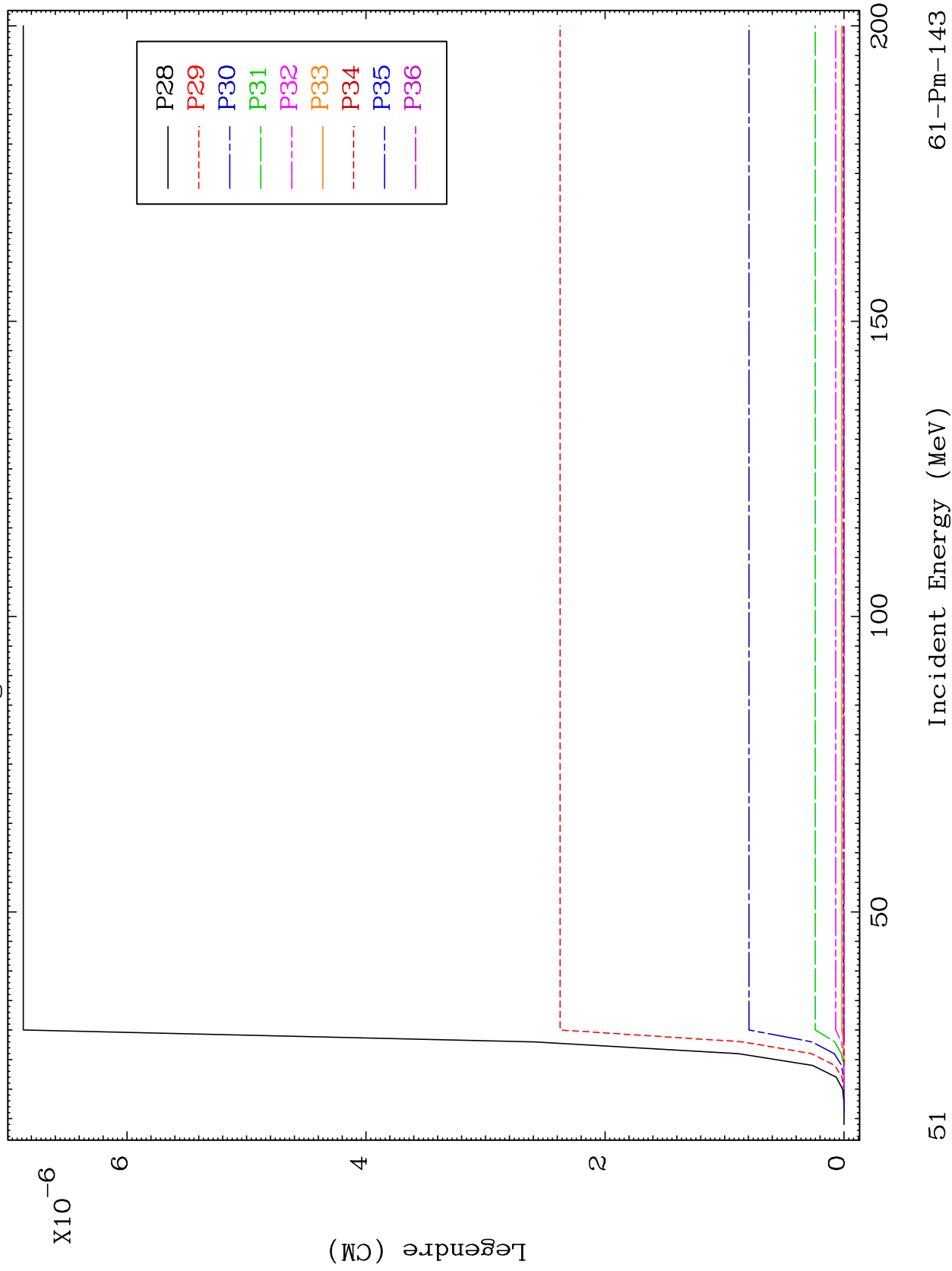
Incident Energy (MeV)

50

MAT 6137

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

61-Pm-143



61-Pm-143

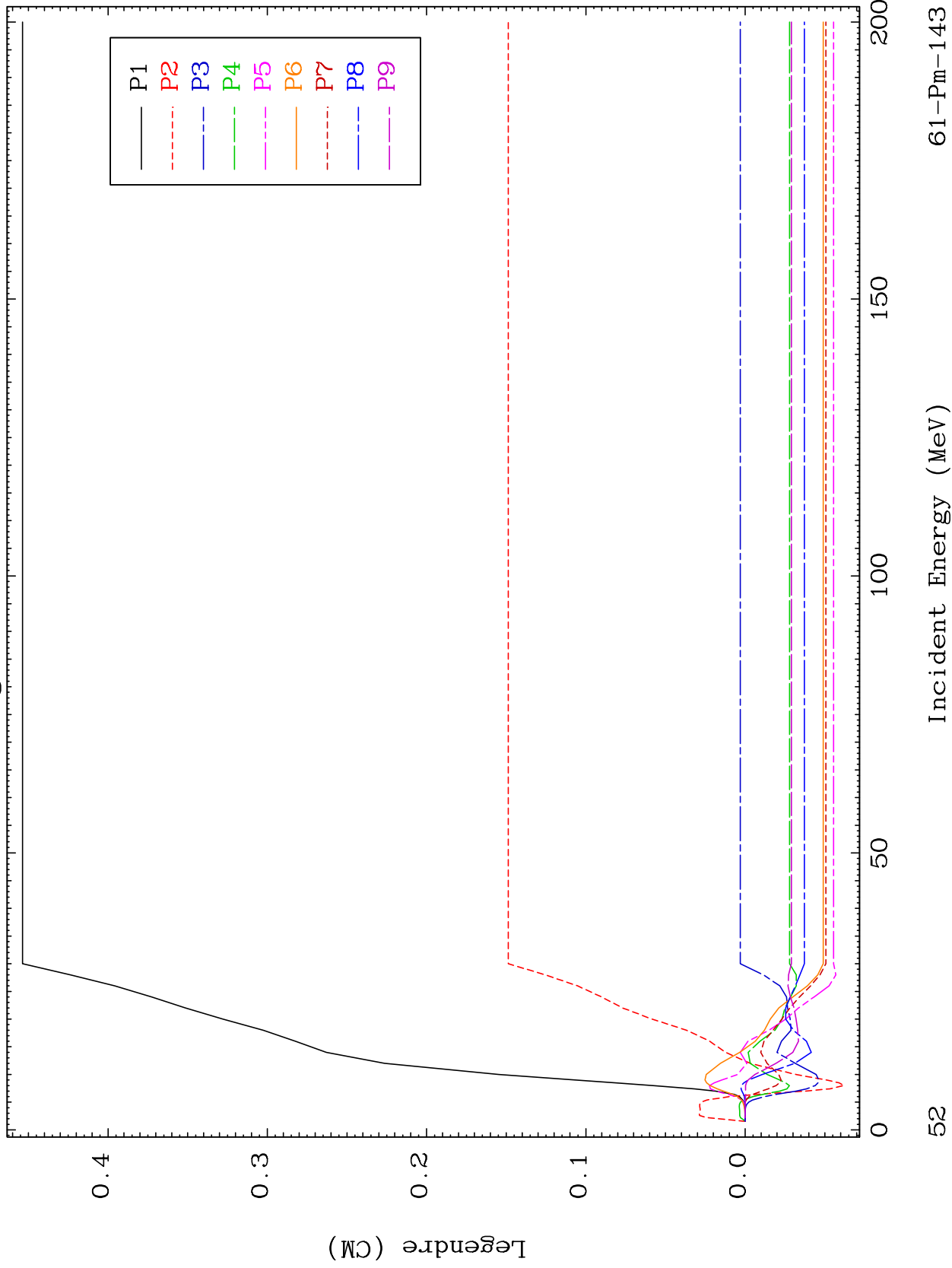
Incident Energy (MeV)

51

MAT 6137

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

61-Pm-143



61-Pm-143

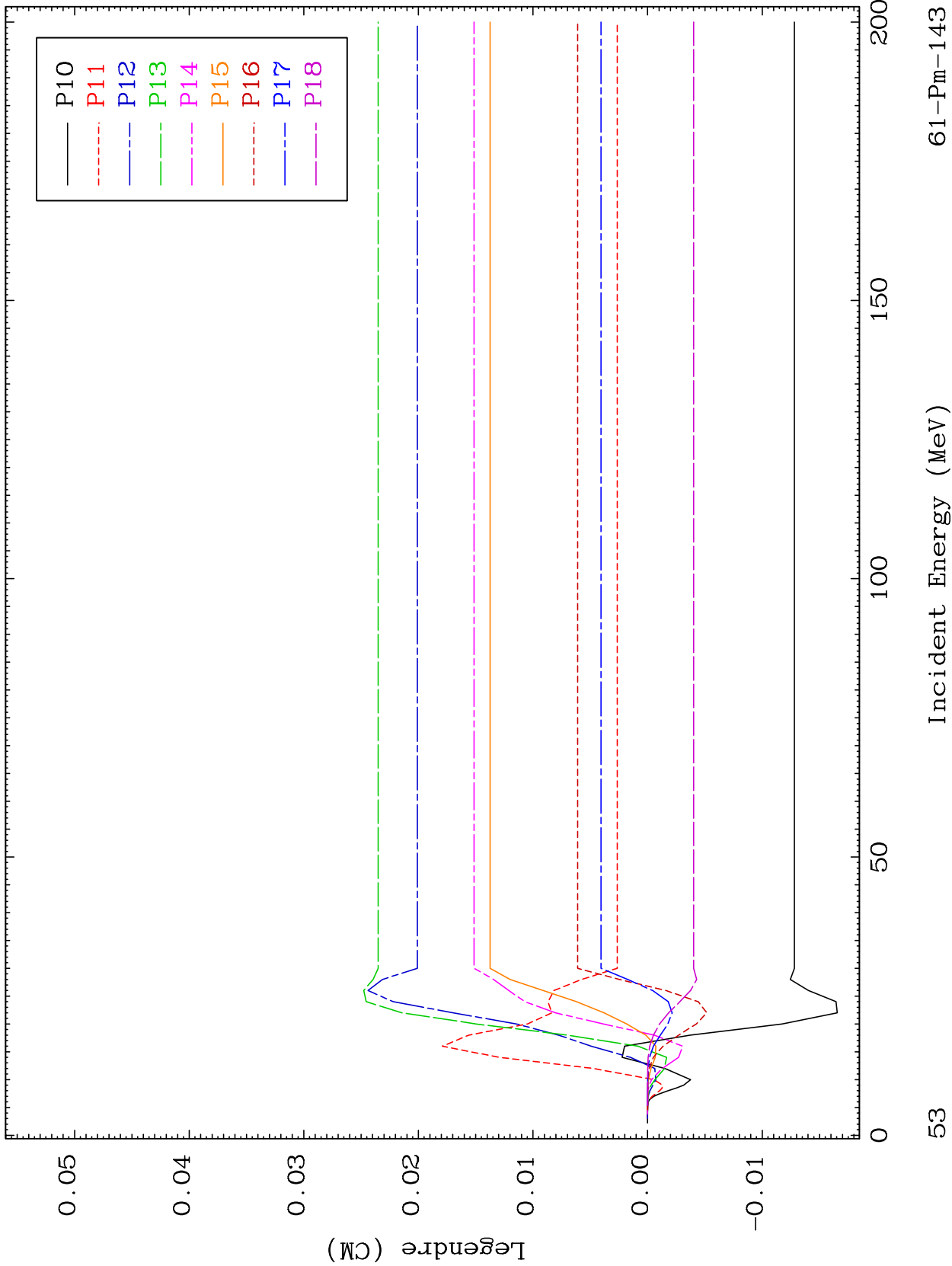
Incident Energy (MeV)

52

MAT 6137

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

61-Pm-143



61-Pm-143

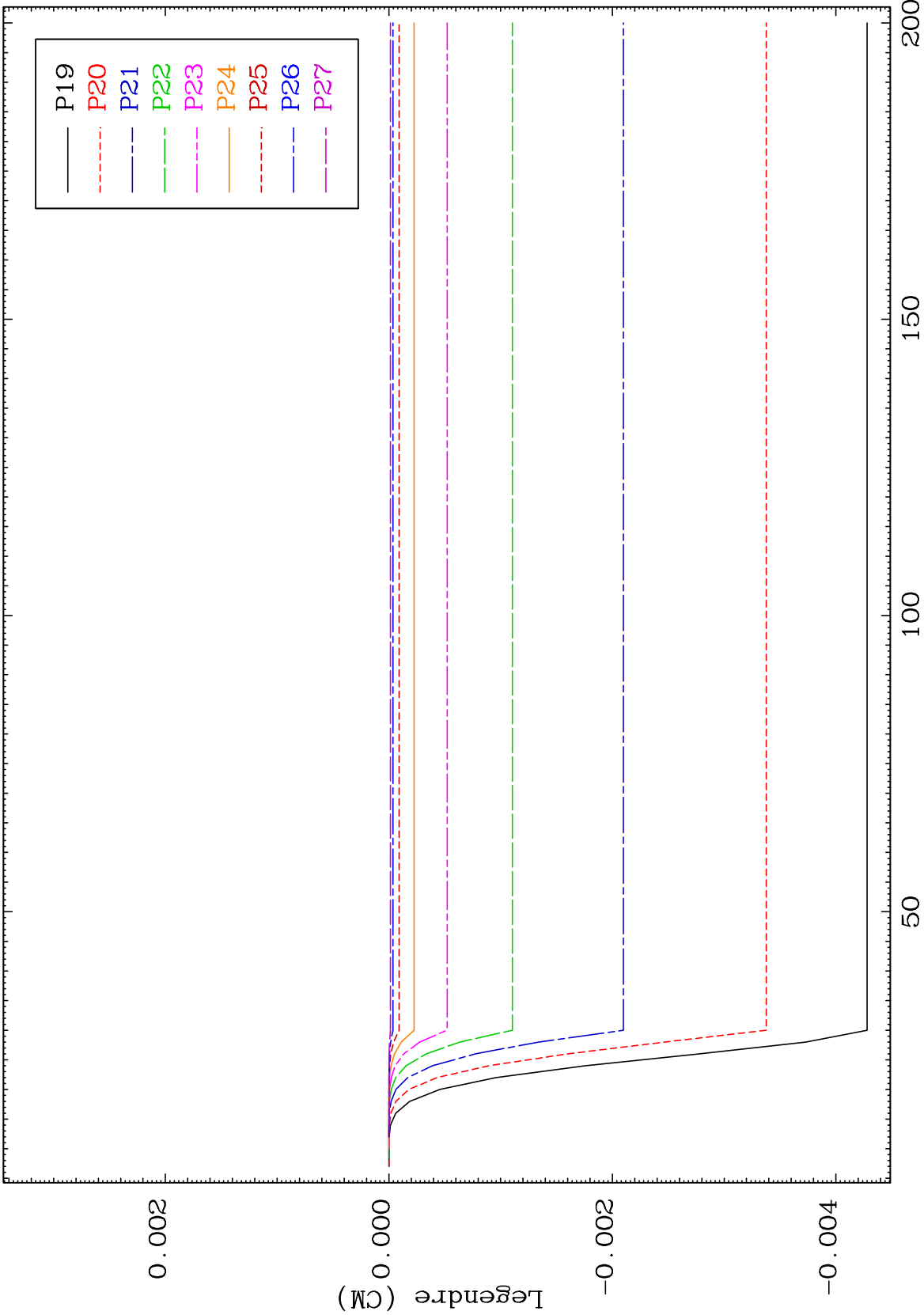
Incident Energy (MeV)

53

MAT 6137

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

61-Pm-143



54

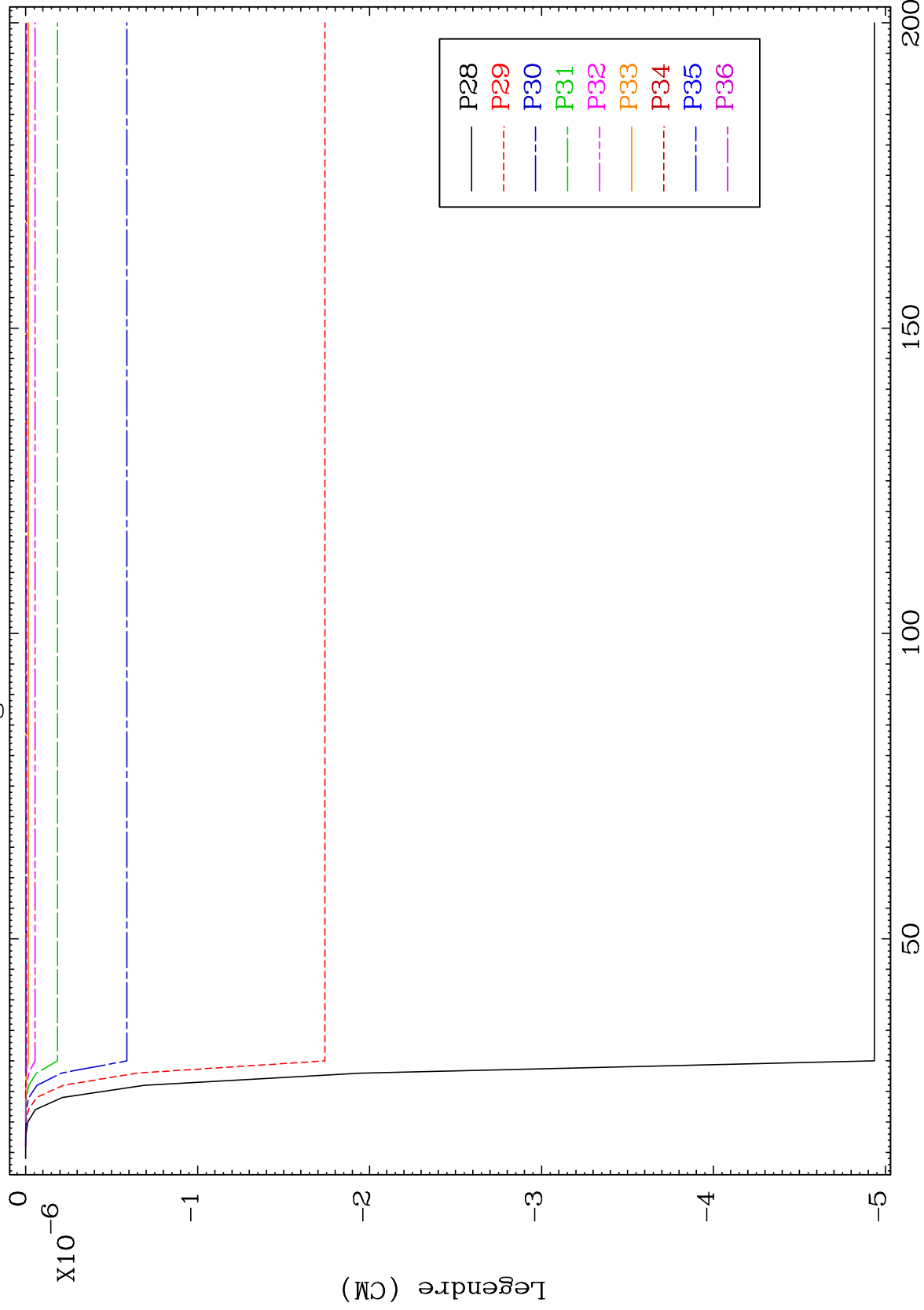
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



55

Incident Energy (MeV)

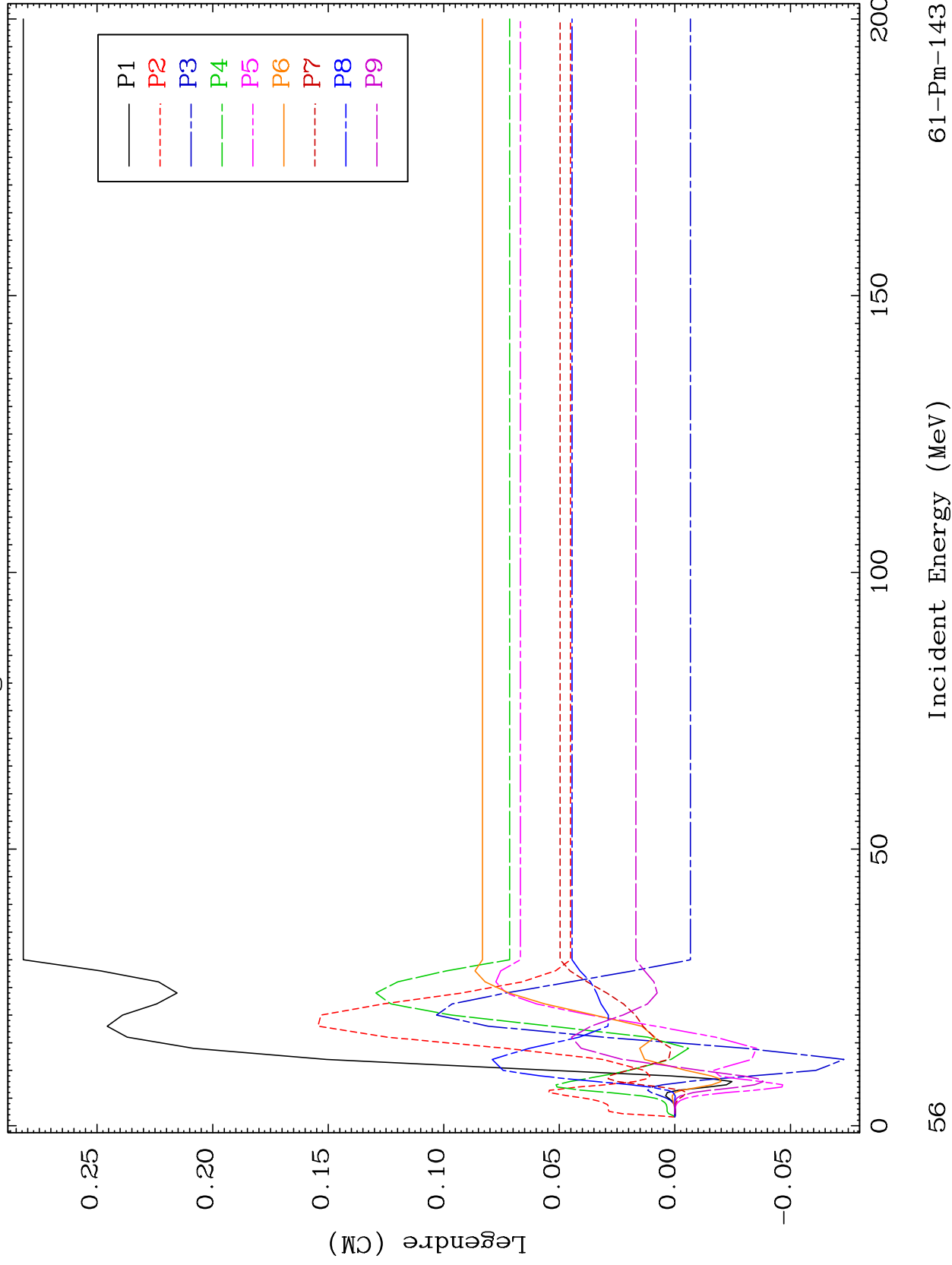
61-Pm-143



MAT 6137

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

61-Pm-143



61-Pm-143

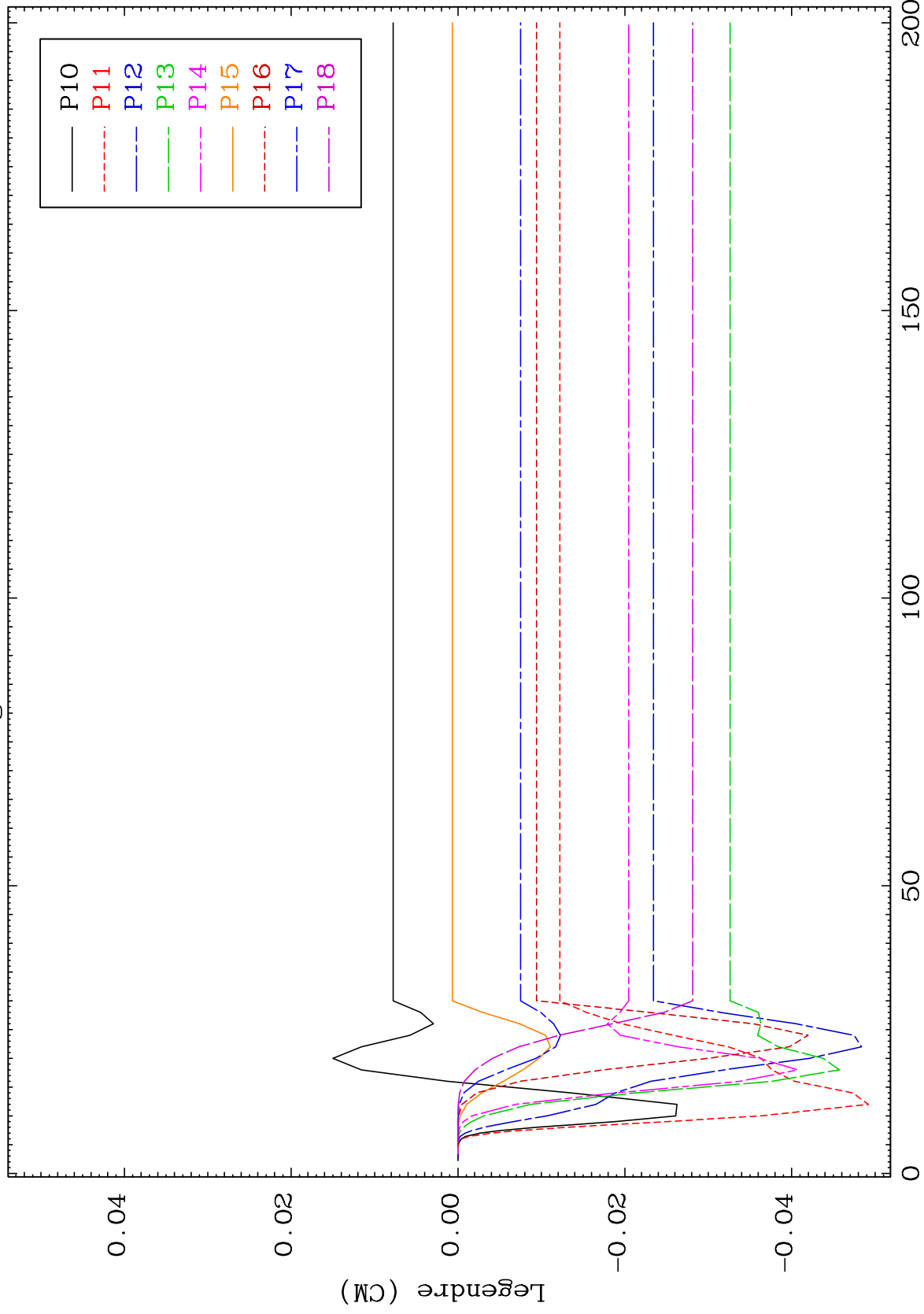
Incident Energy (MeV)

56

MAT 6137

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

61-Pm-143



57

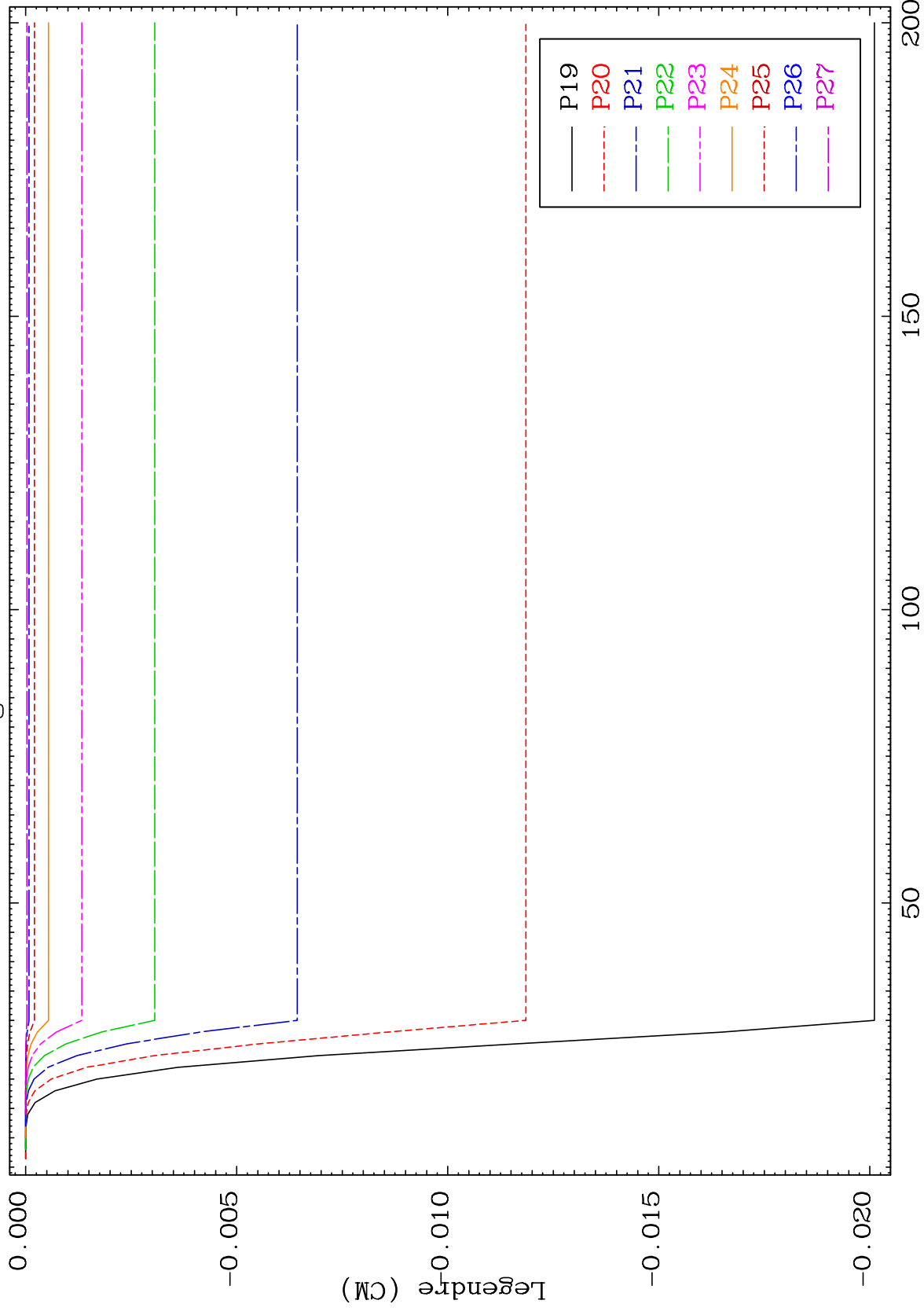
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



58

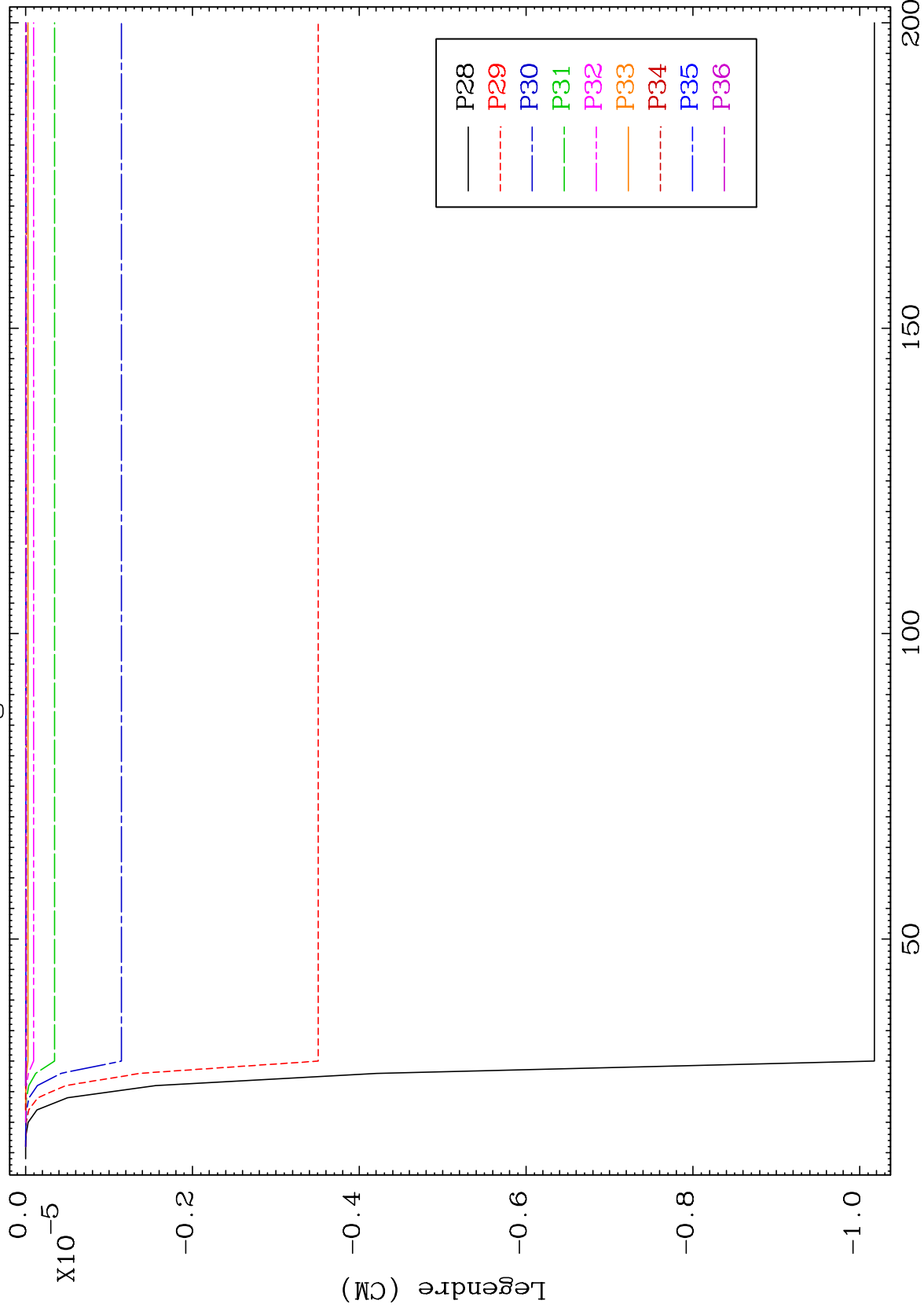
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



59

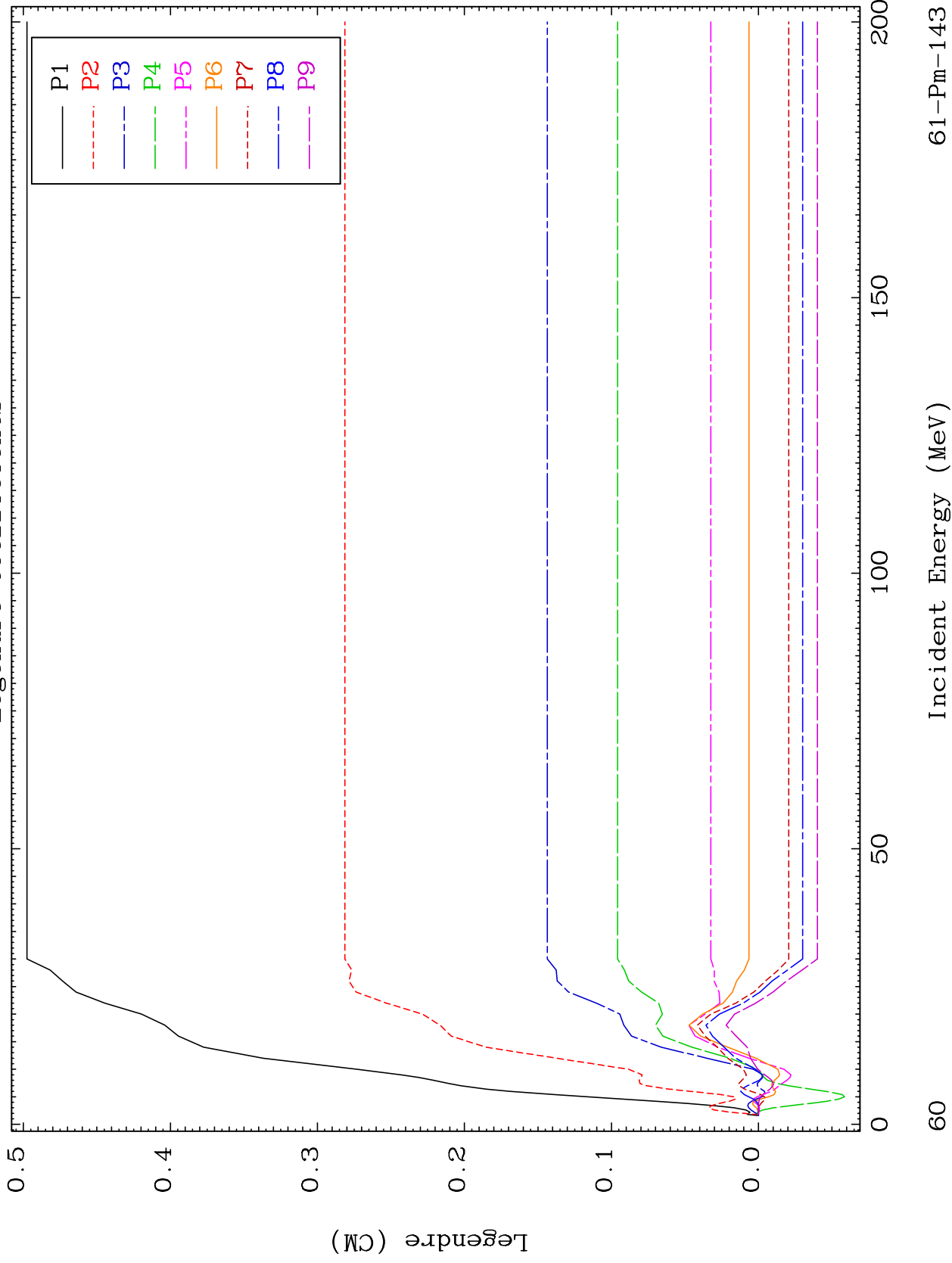
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



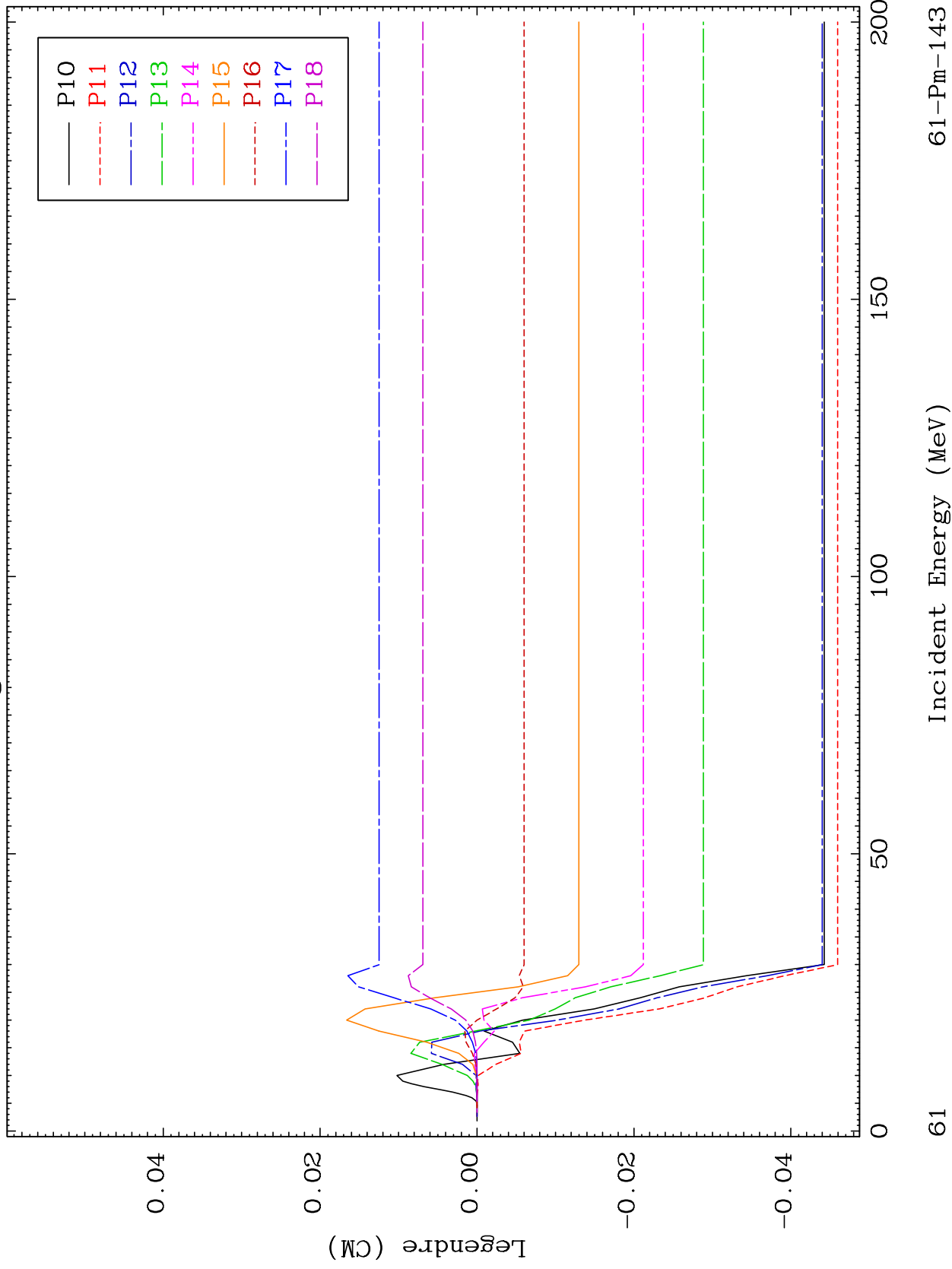
61-Pm-143

Incident Energy (MeV)

MAT 6137

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

61-Pm-143



61-Pm-143

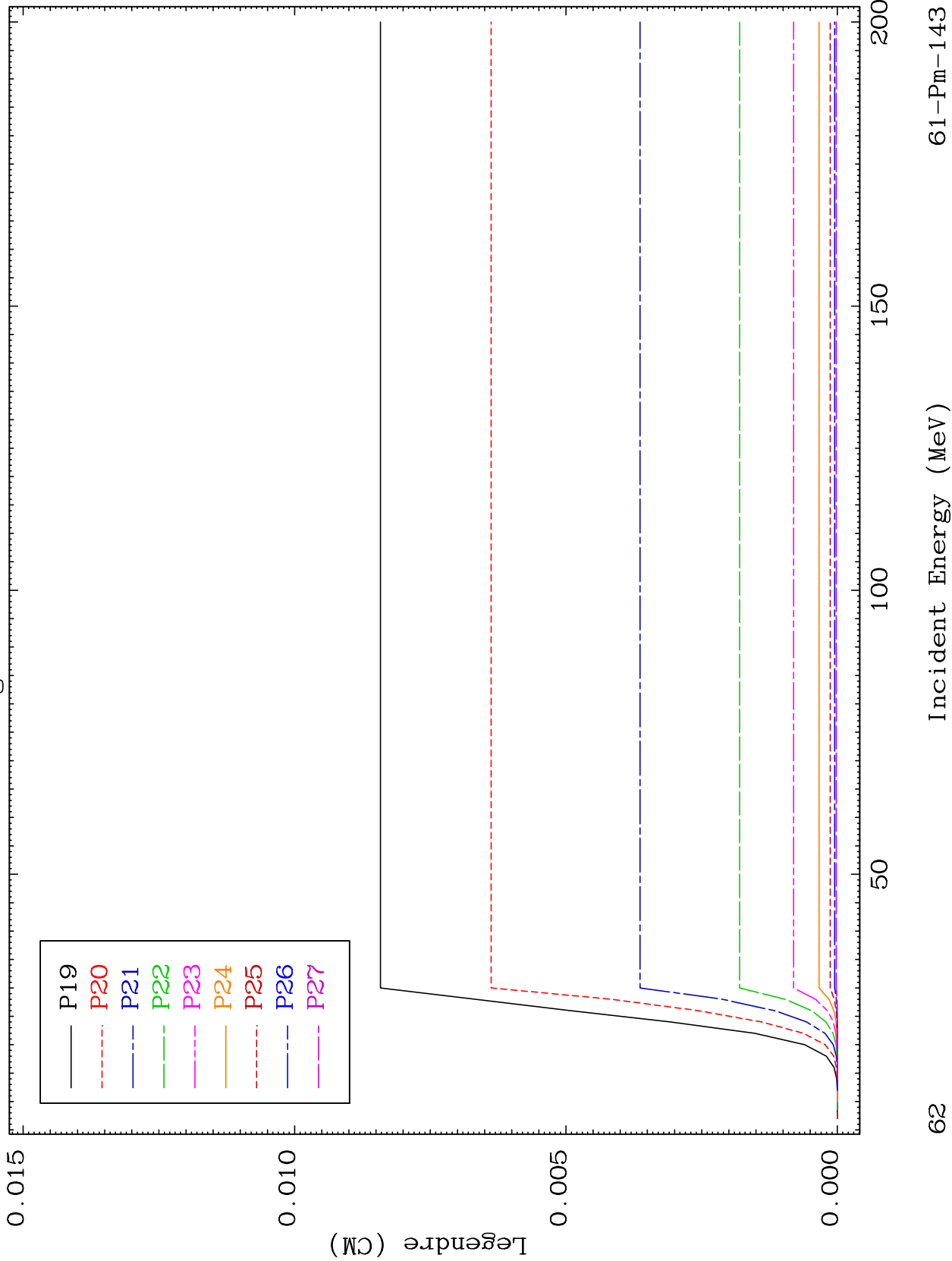
Incident Energy (MeV)

61

MAT 6137

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

61-Pm-143



62

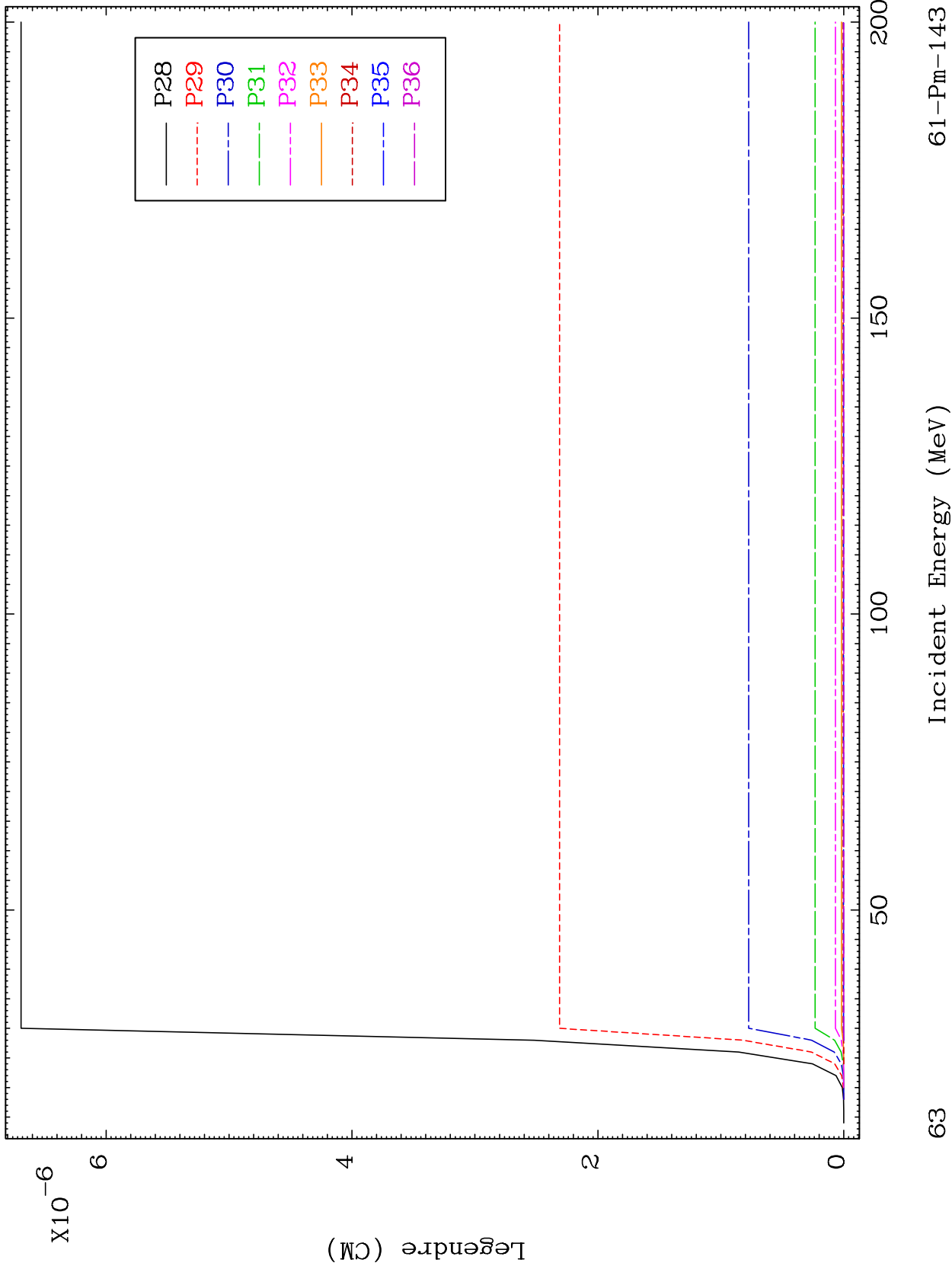
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143

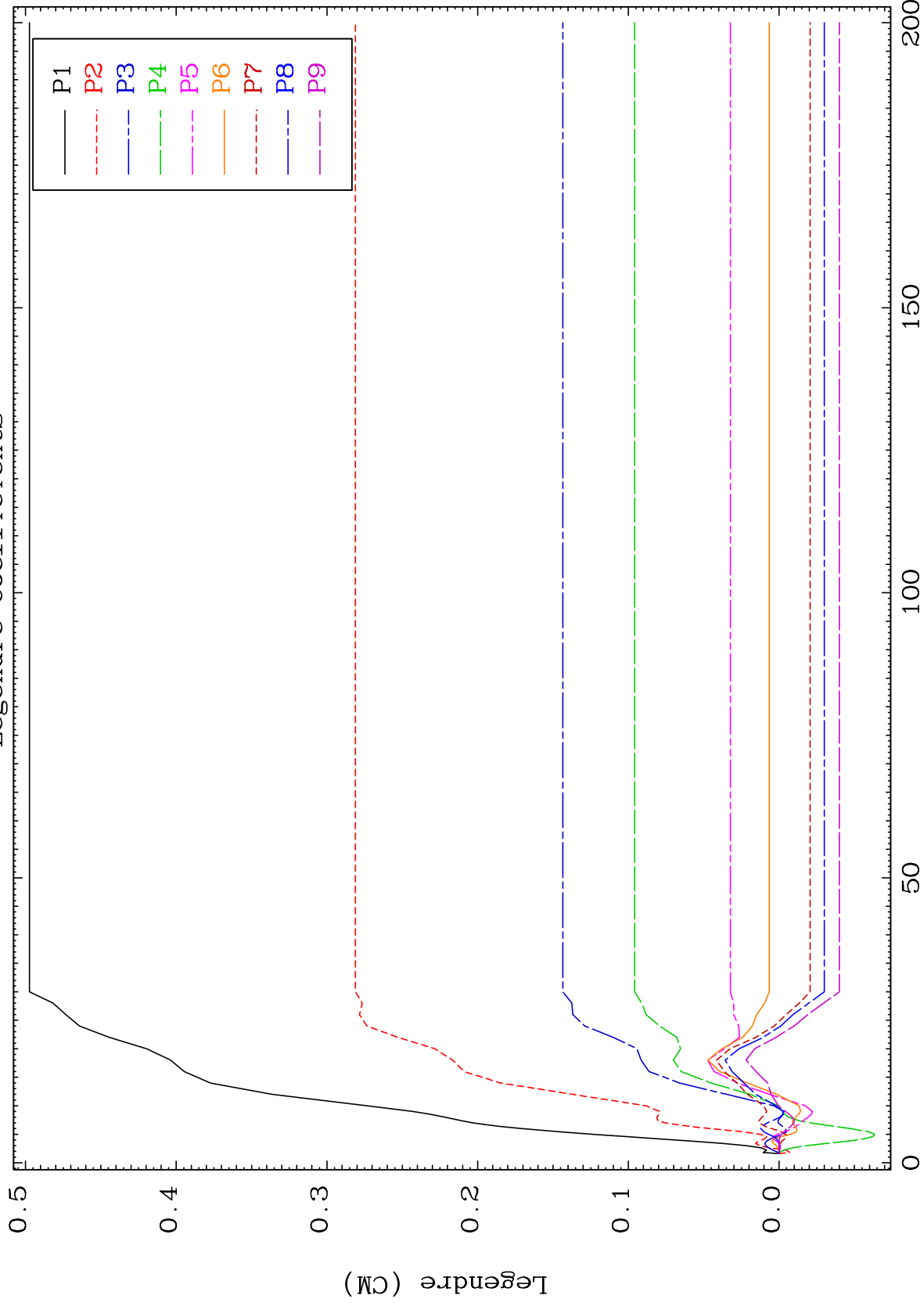




MAT 6137

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

61-Pm-143



61-Pm-143

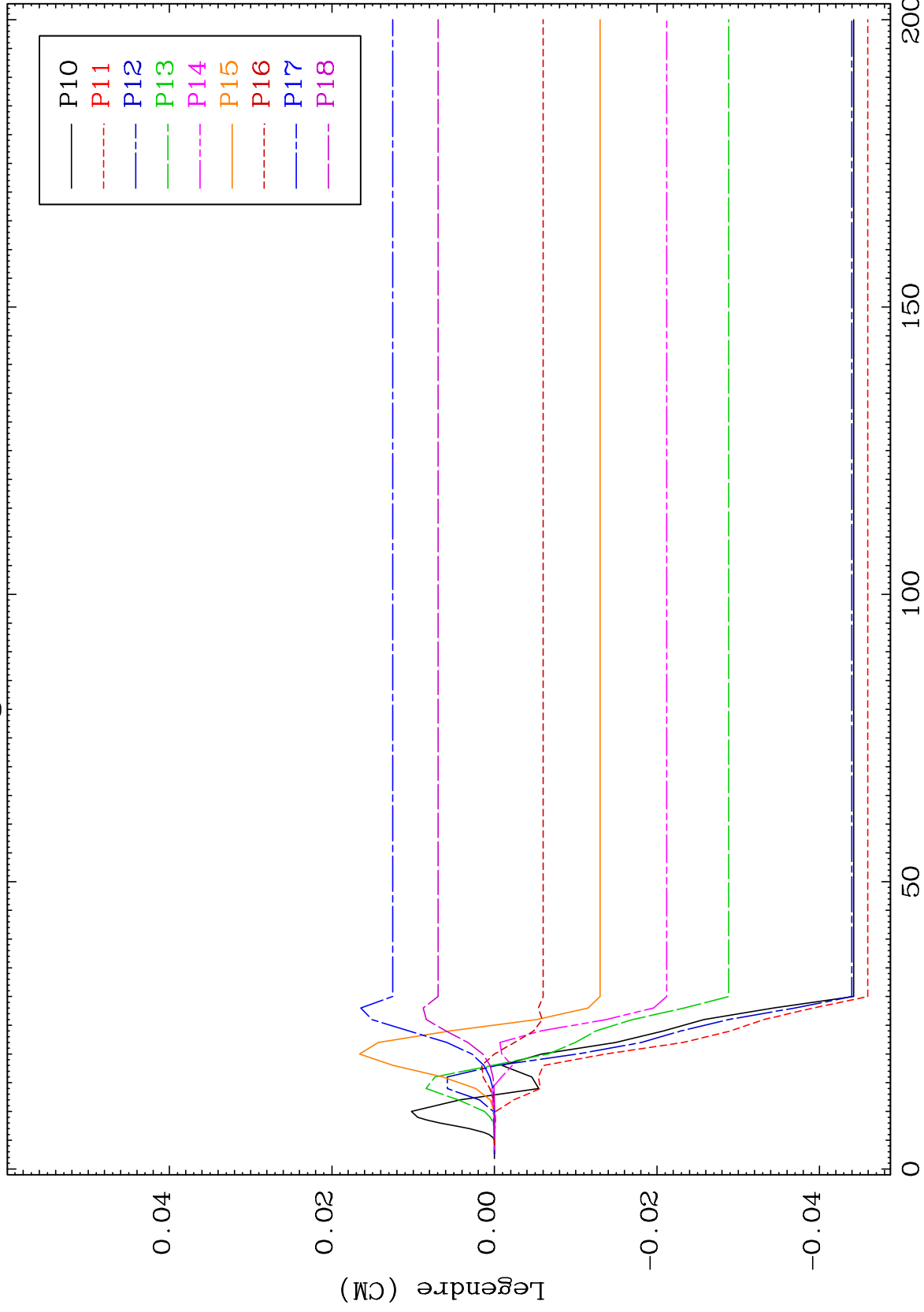
Incident Energy (MeV)

64

MAT 6137

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

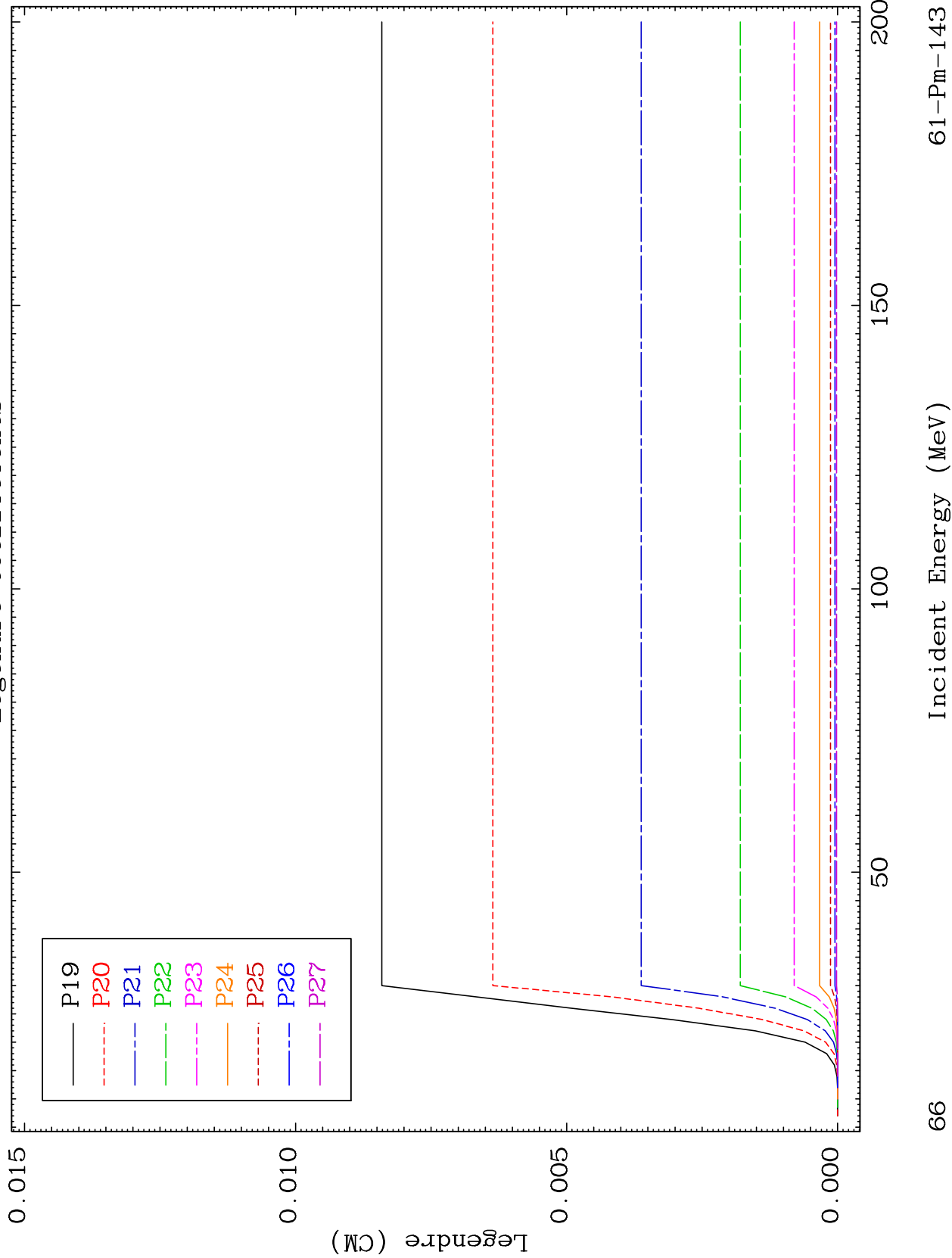
61-Pm-143



65

Incident Energy (MeV)

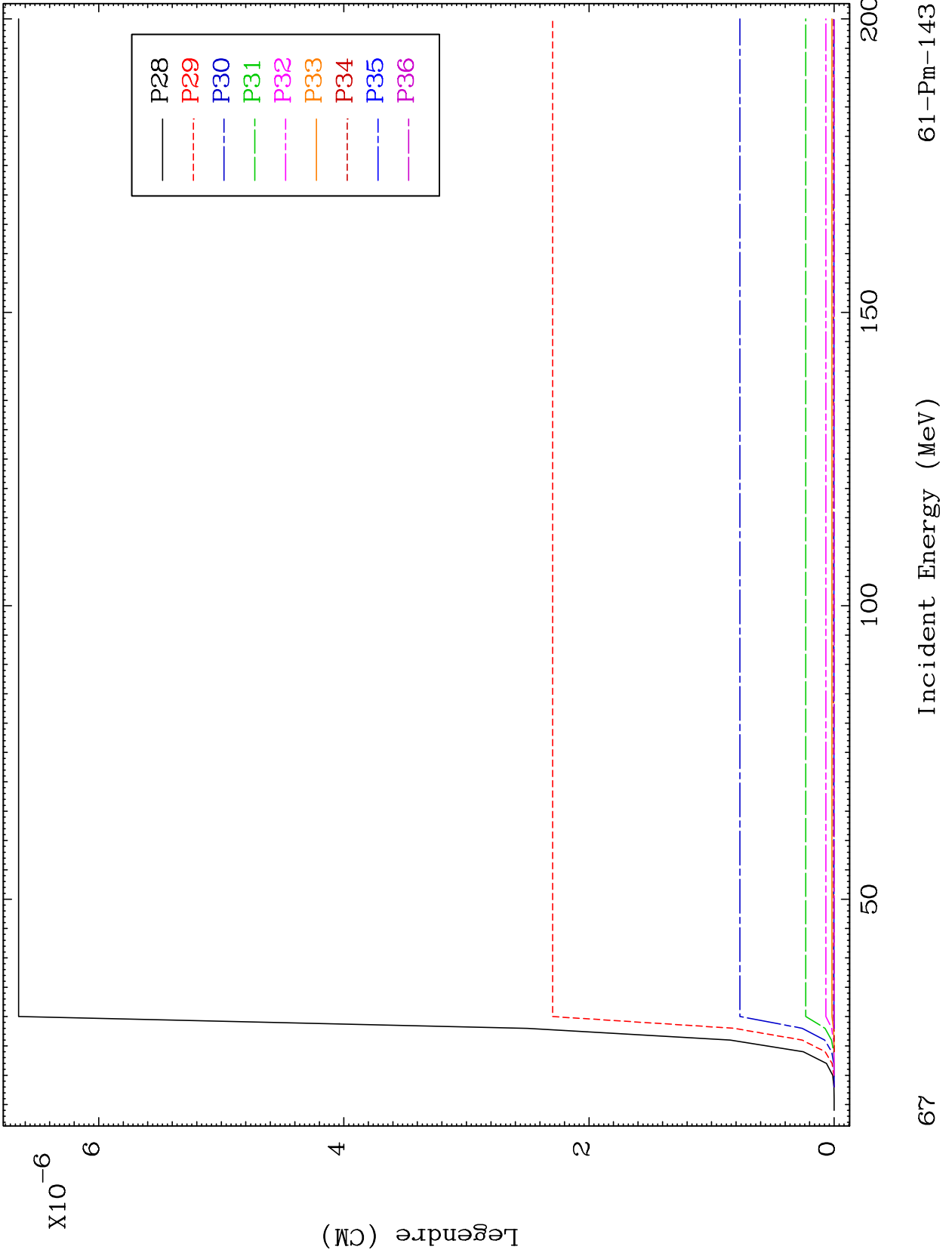
61-Pm-143



MAT 6137

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

61-Pm-143

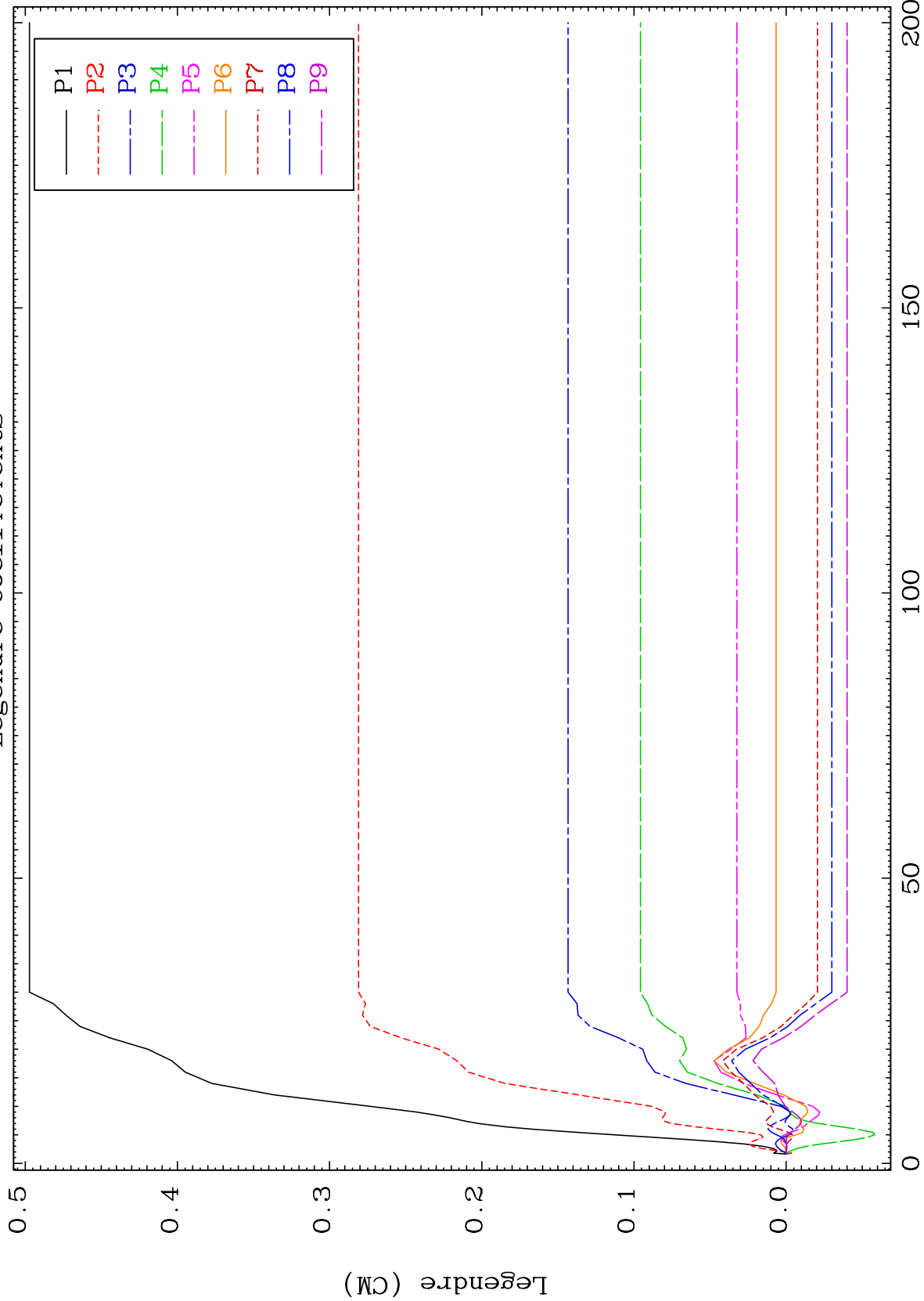


MAT 6137

MT= 63 (n,n') Level

61-Pm-143

Legendre Coefficients



68

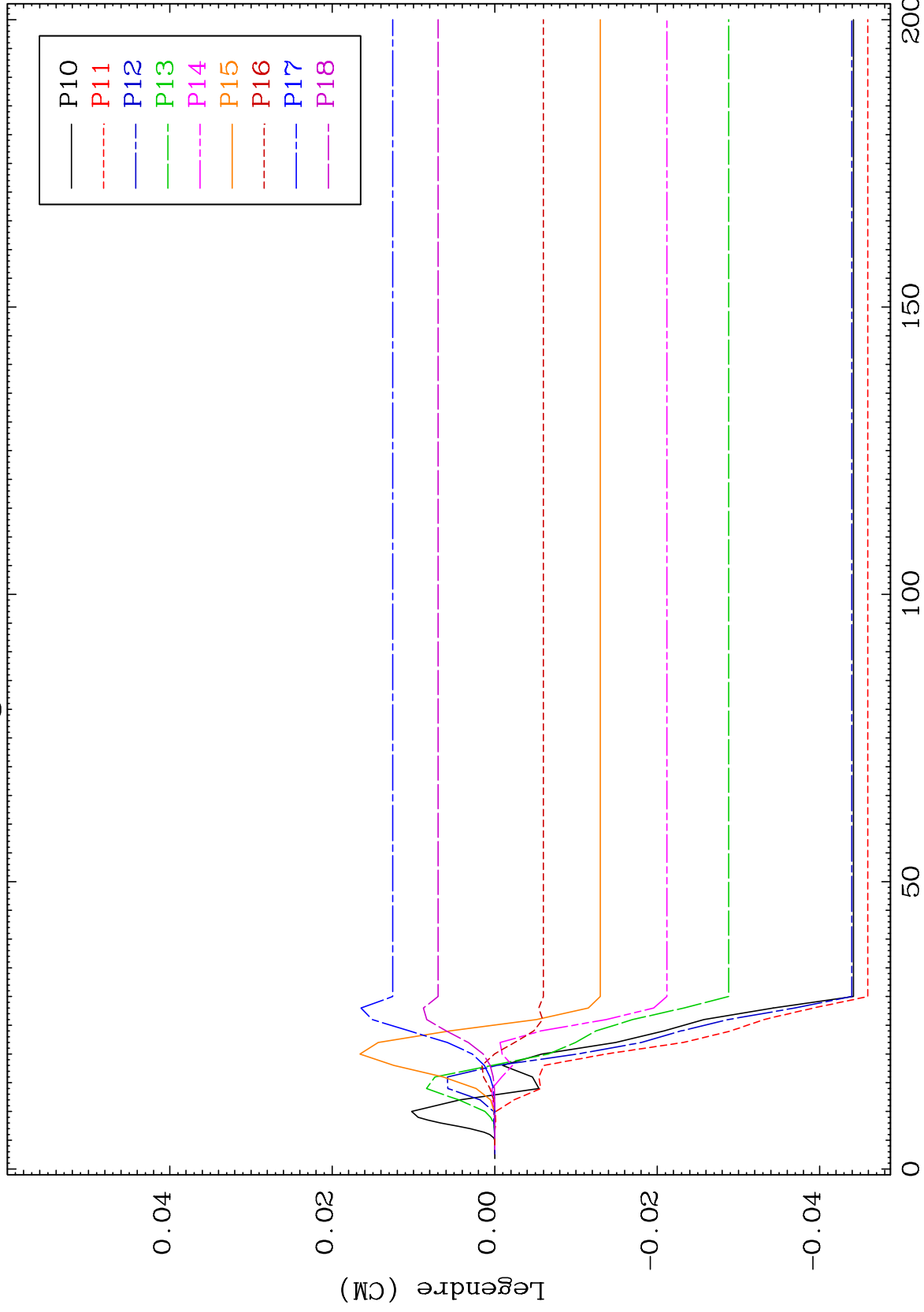
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



69

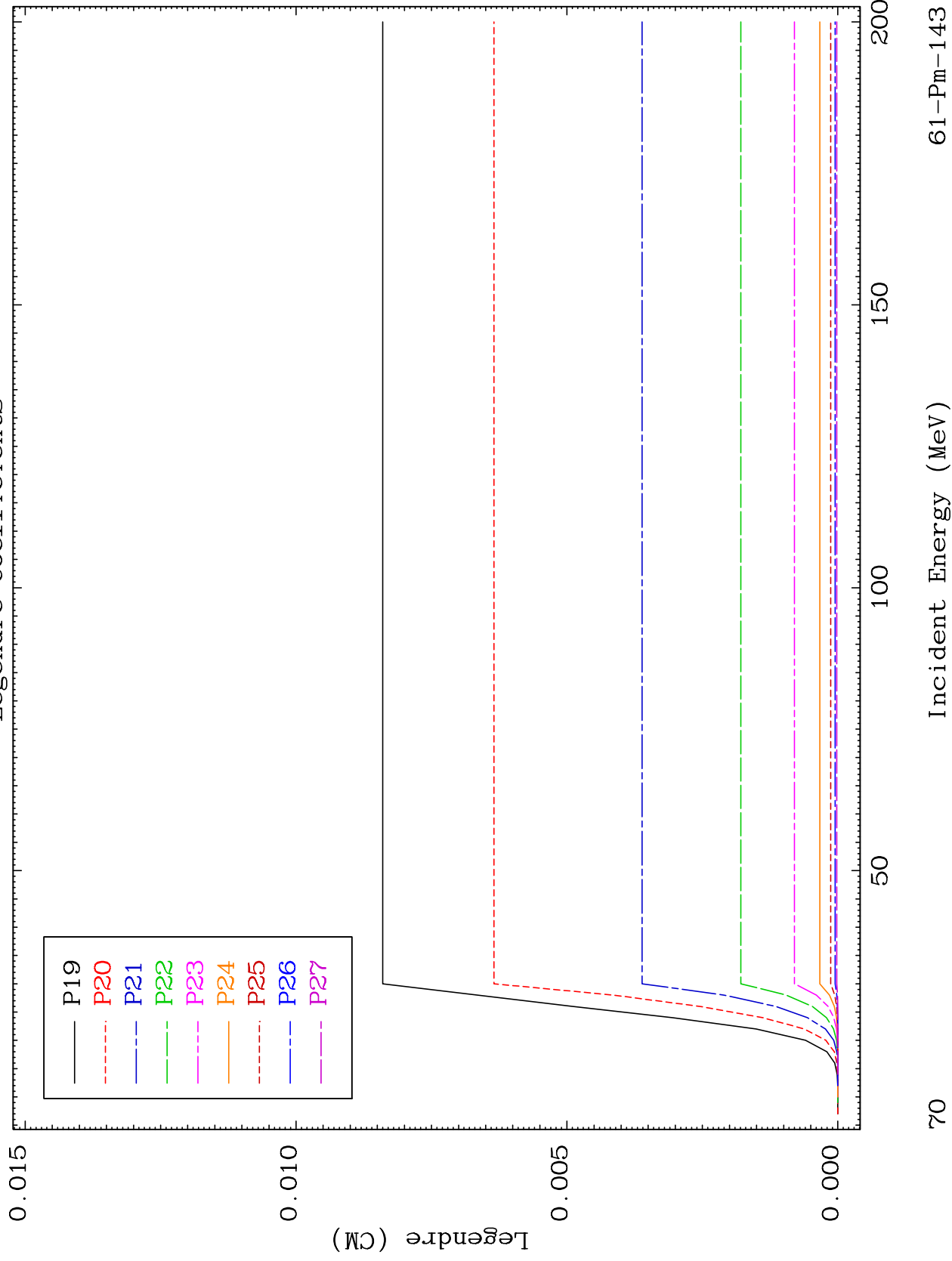
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



70

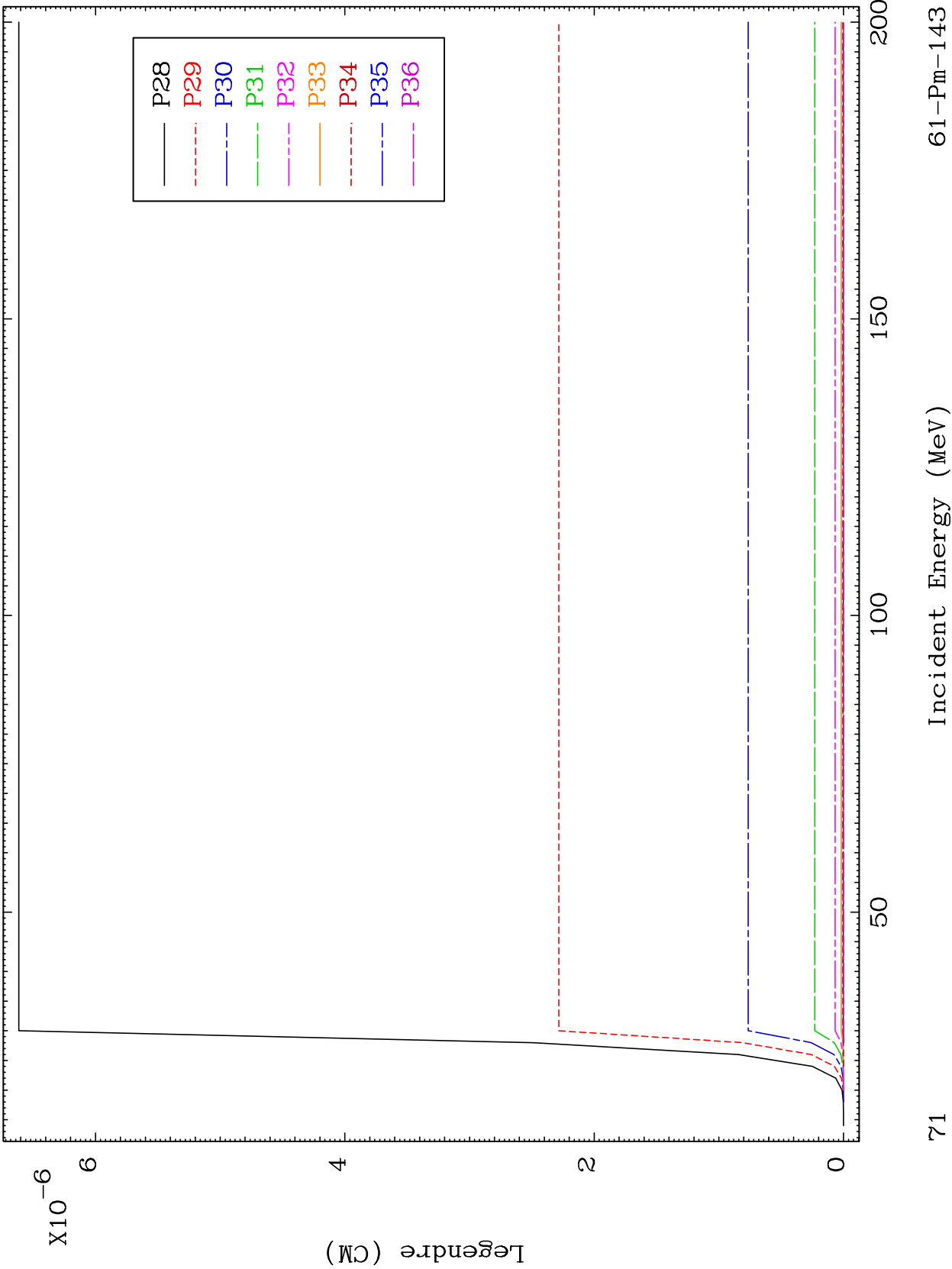
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



71

Incident Energy (MeV)

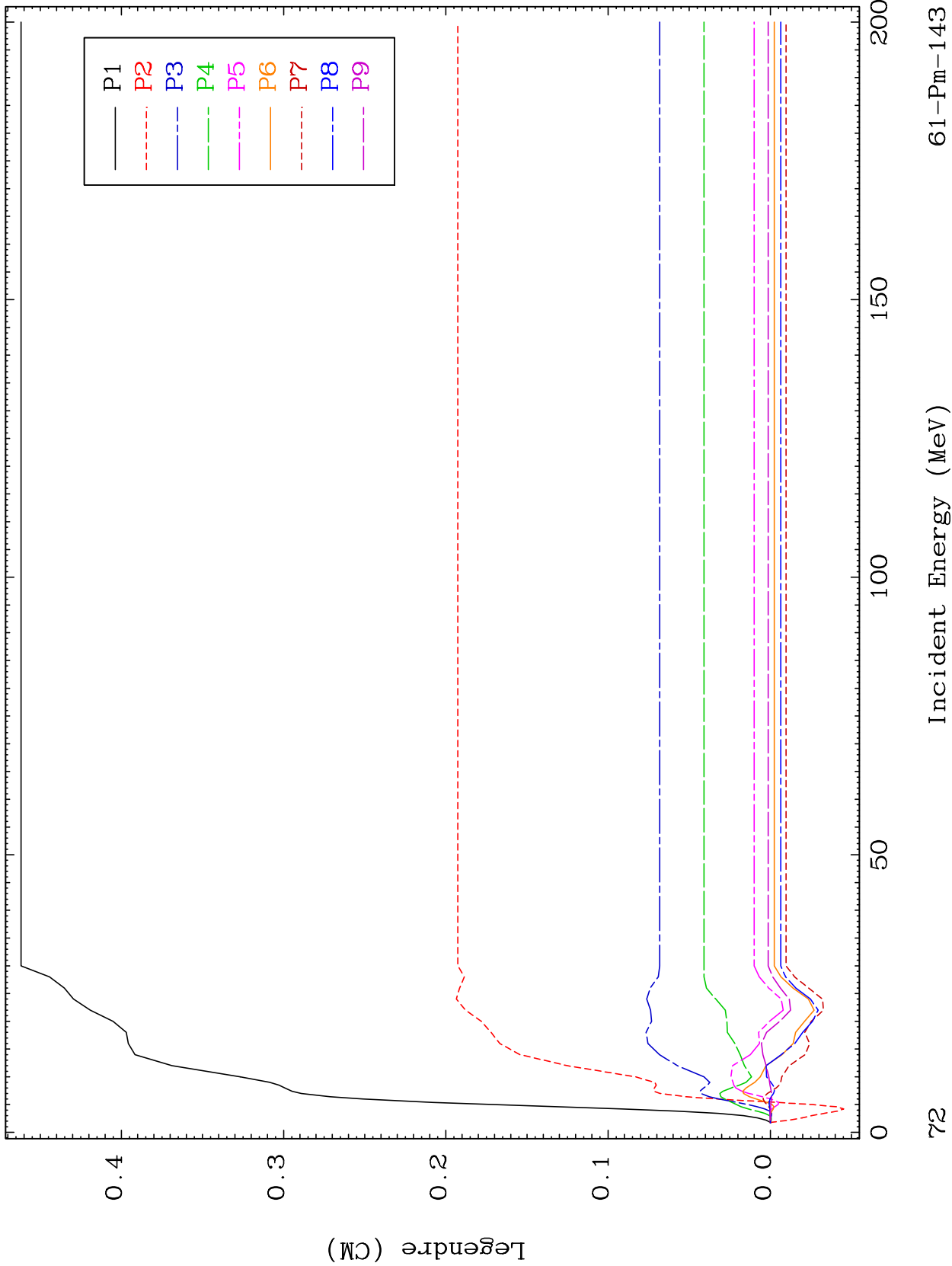
61-Pm-143



MAT 6137

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

61-Pm-143



61-Pm-143

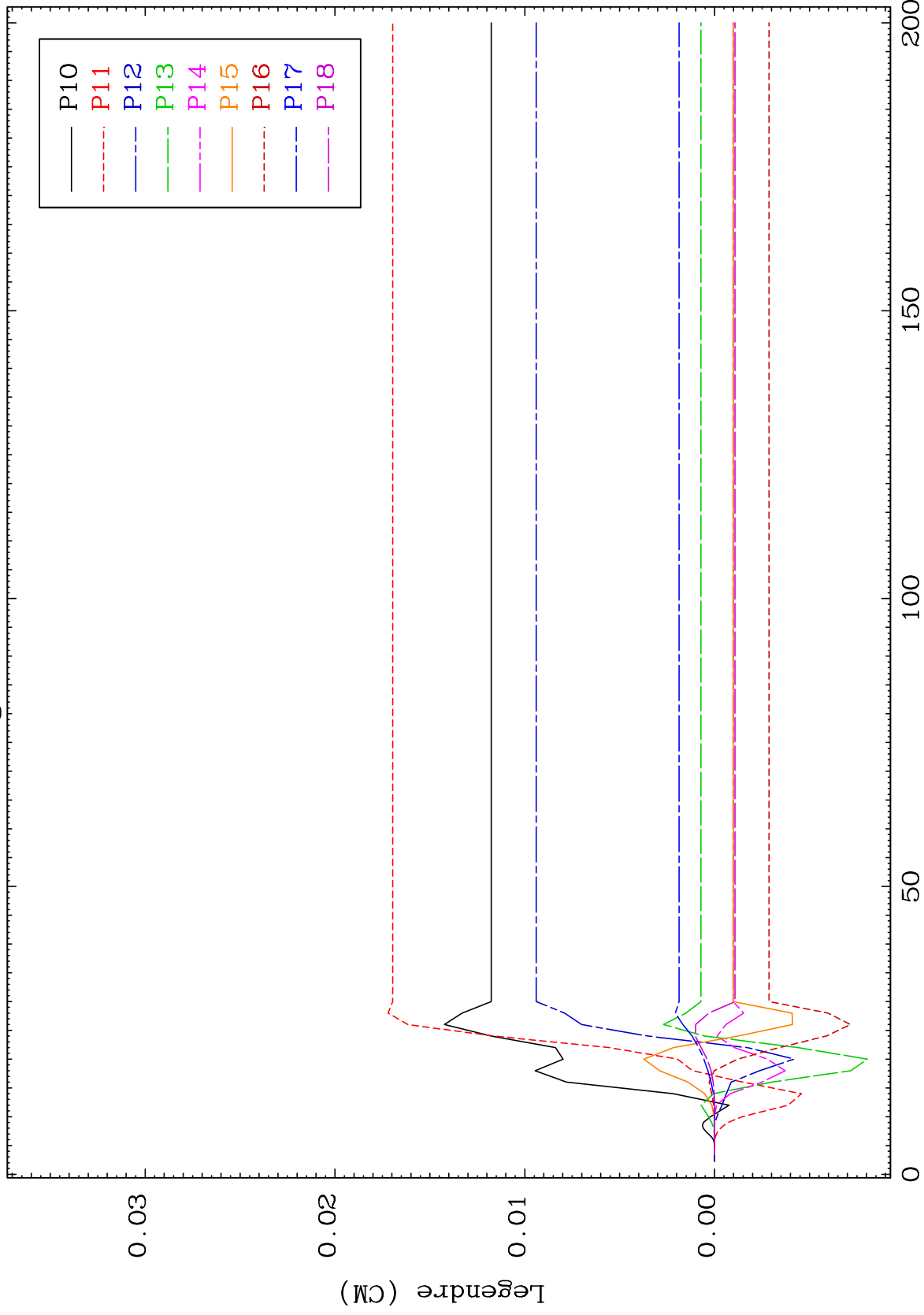
Incident Energy (MeV)

72

MAT 6137

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

61-Pm-143



73

Incident Energy (MeV)

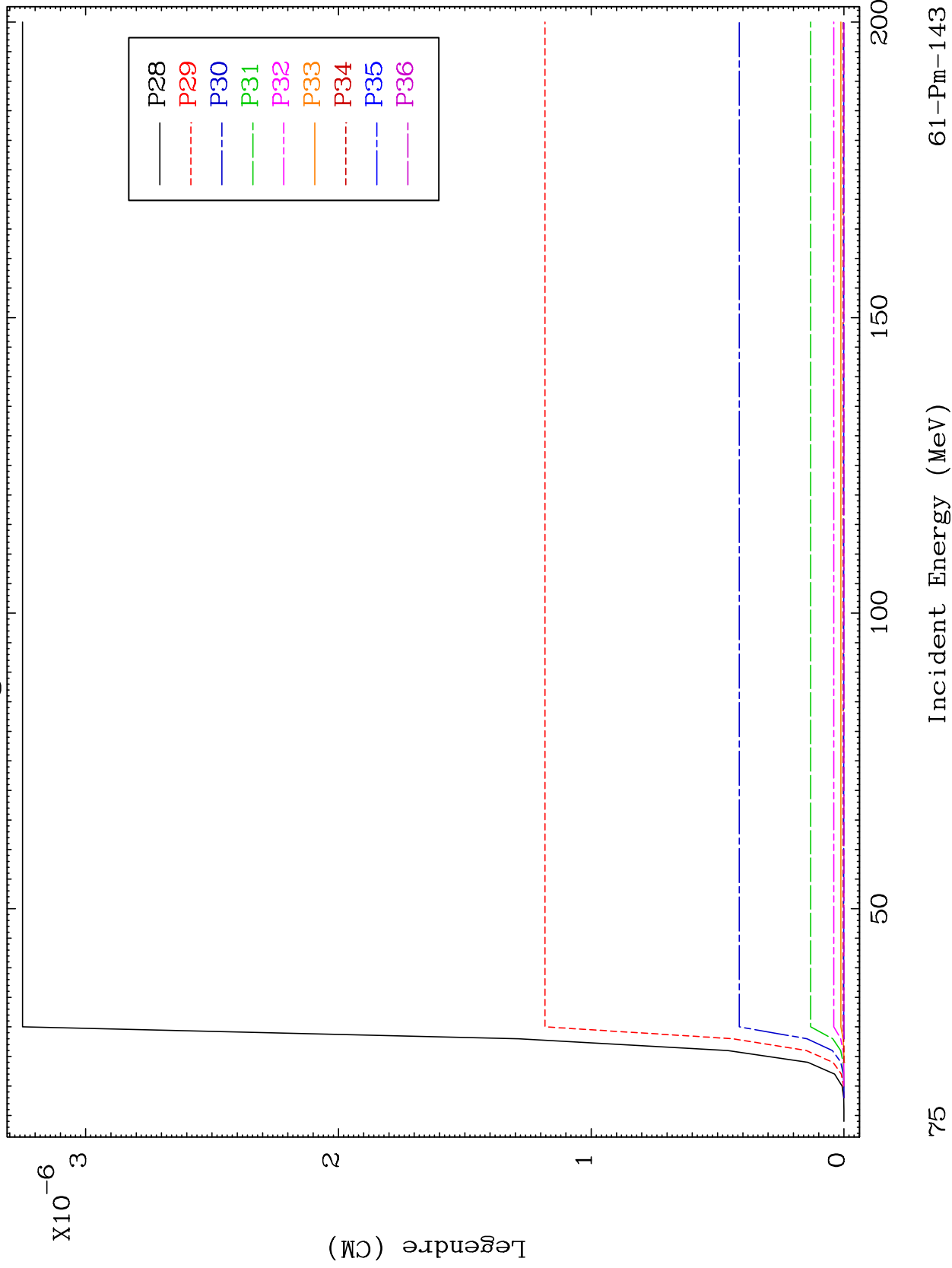
61-Pm-143



MAT 6137

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

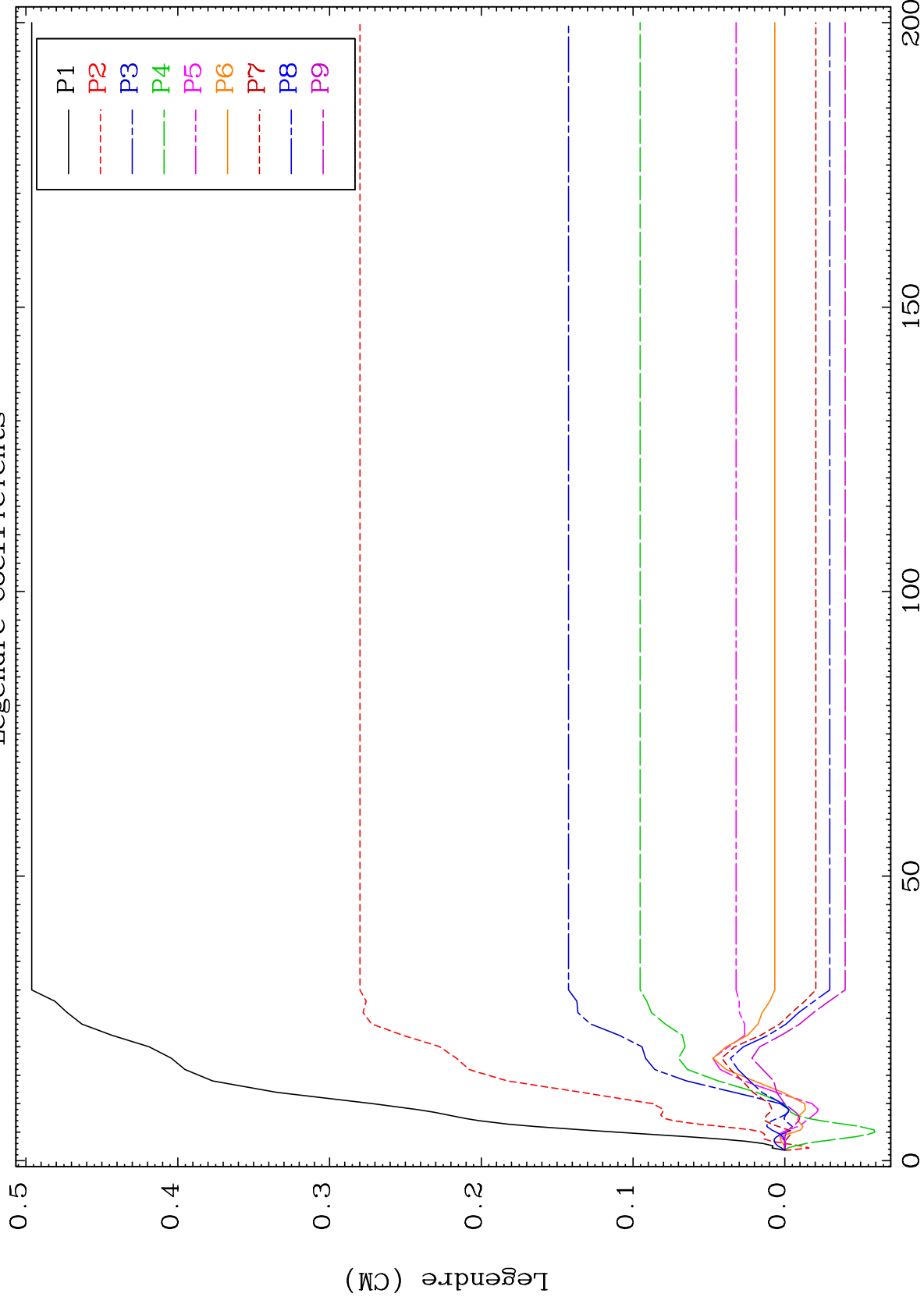
61-Pm-143



MAT 6137

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

61-Pm-143



76

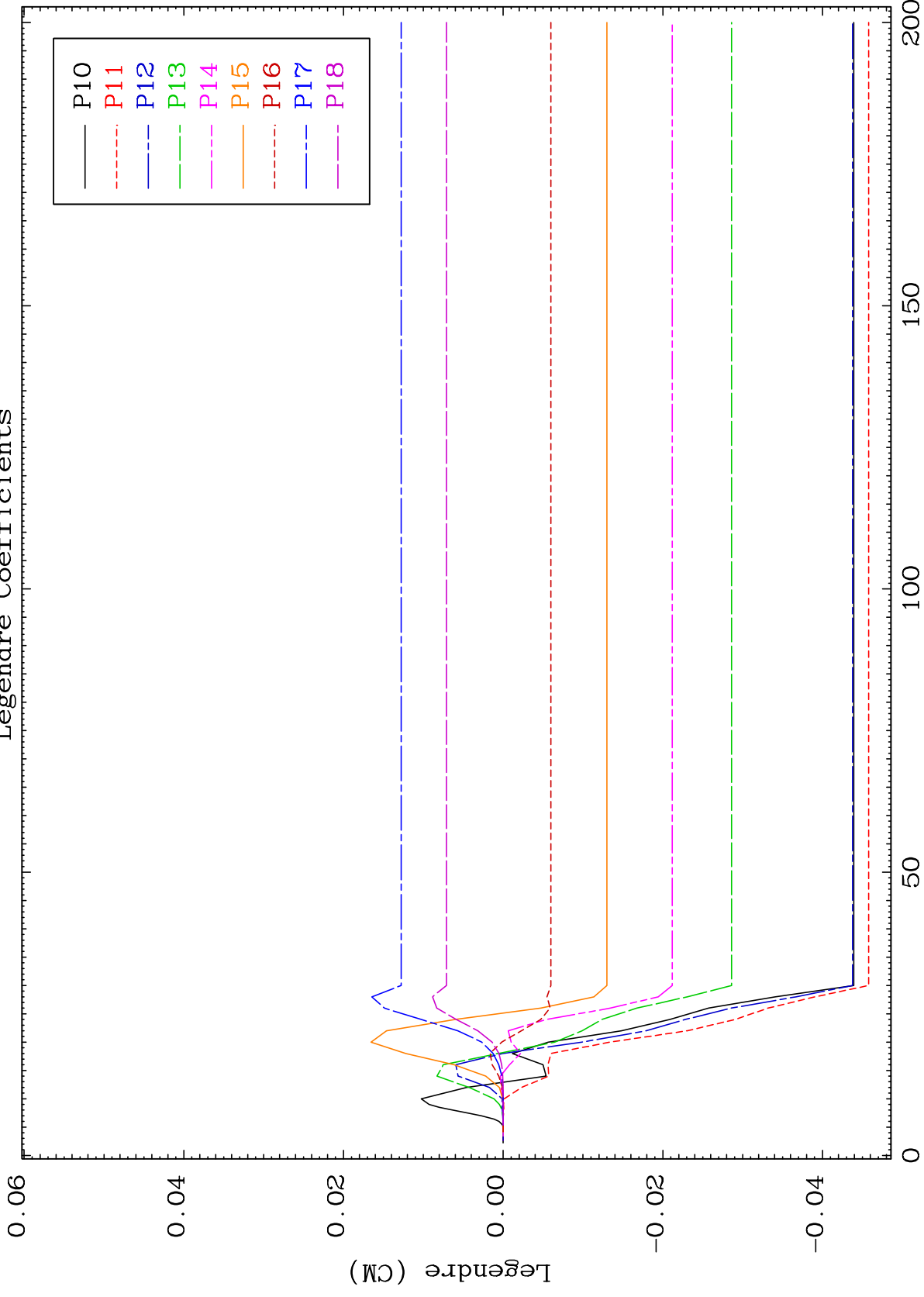
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



77

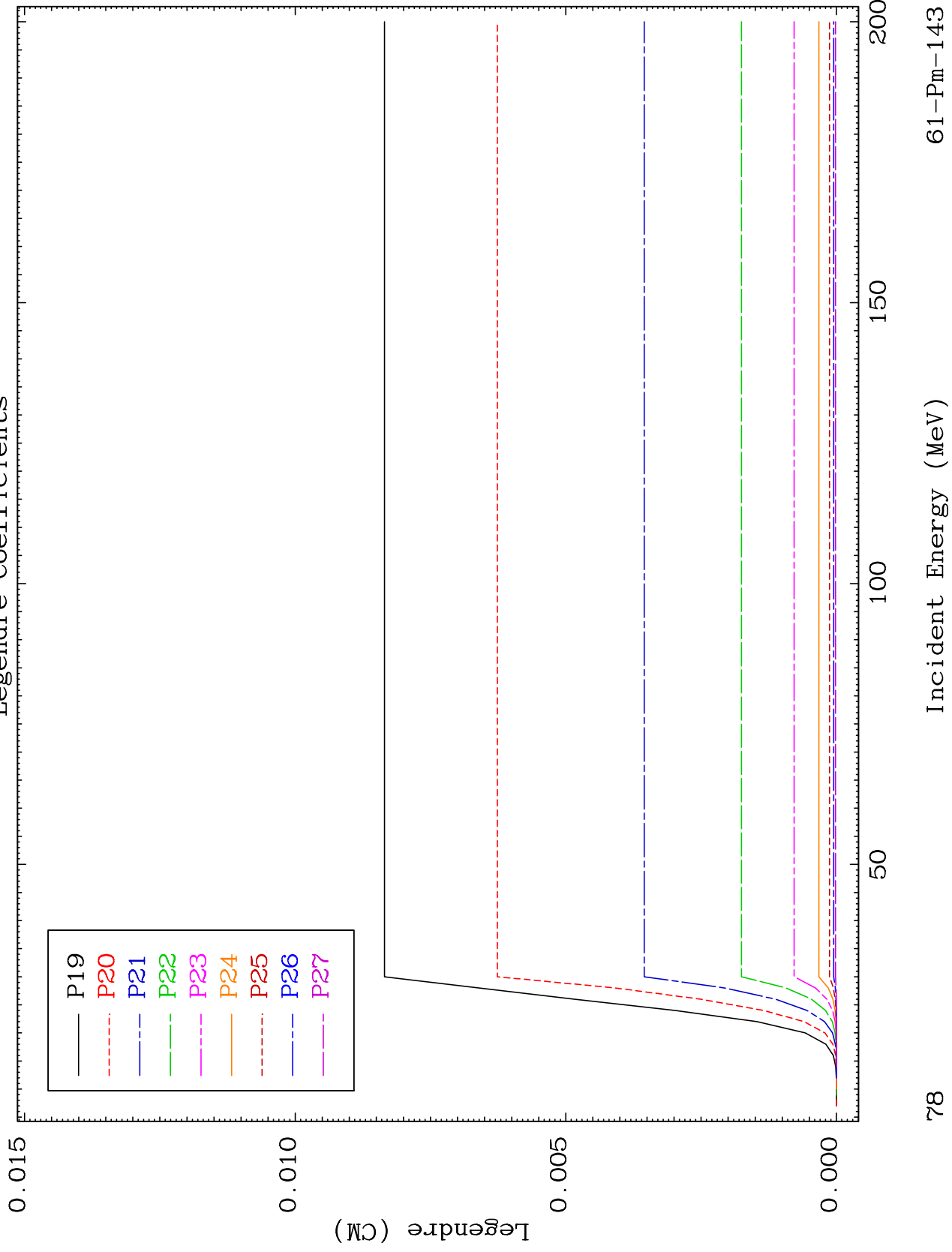
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



78

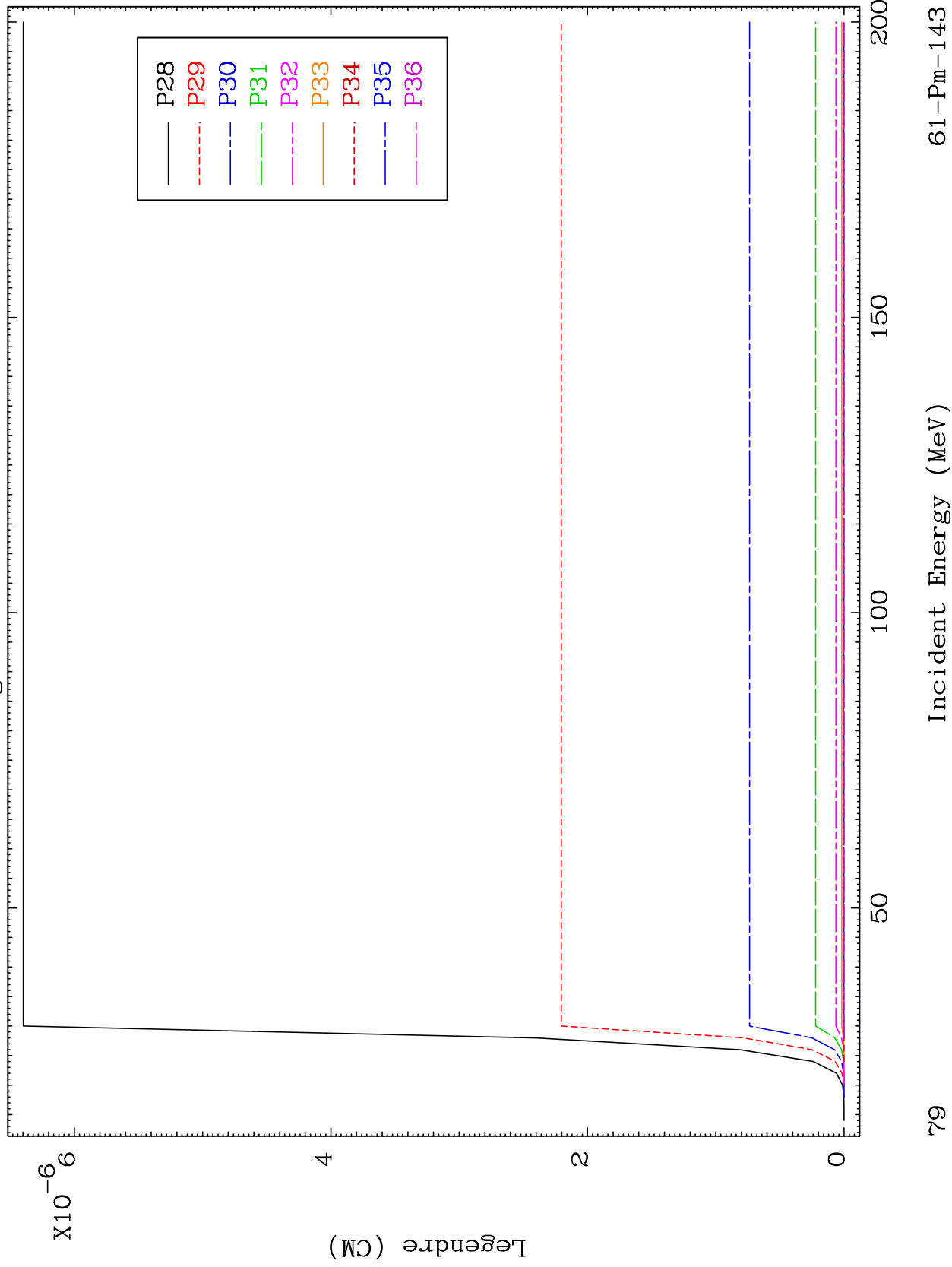
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143

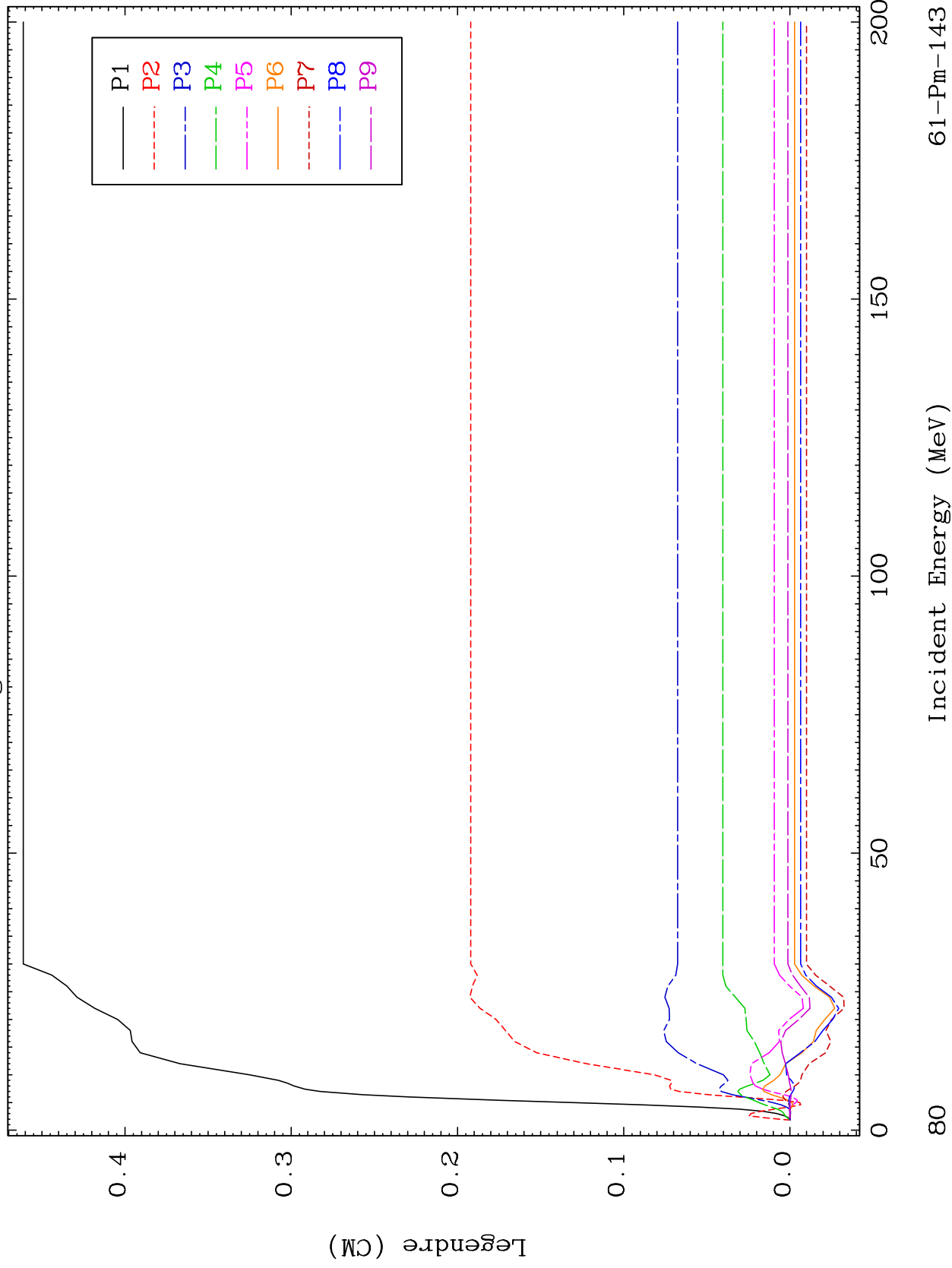




MAT 6137

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

61-Pm-143



61-Pm-143

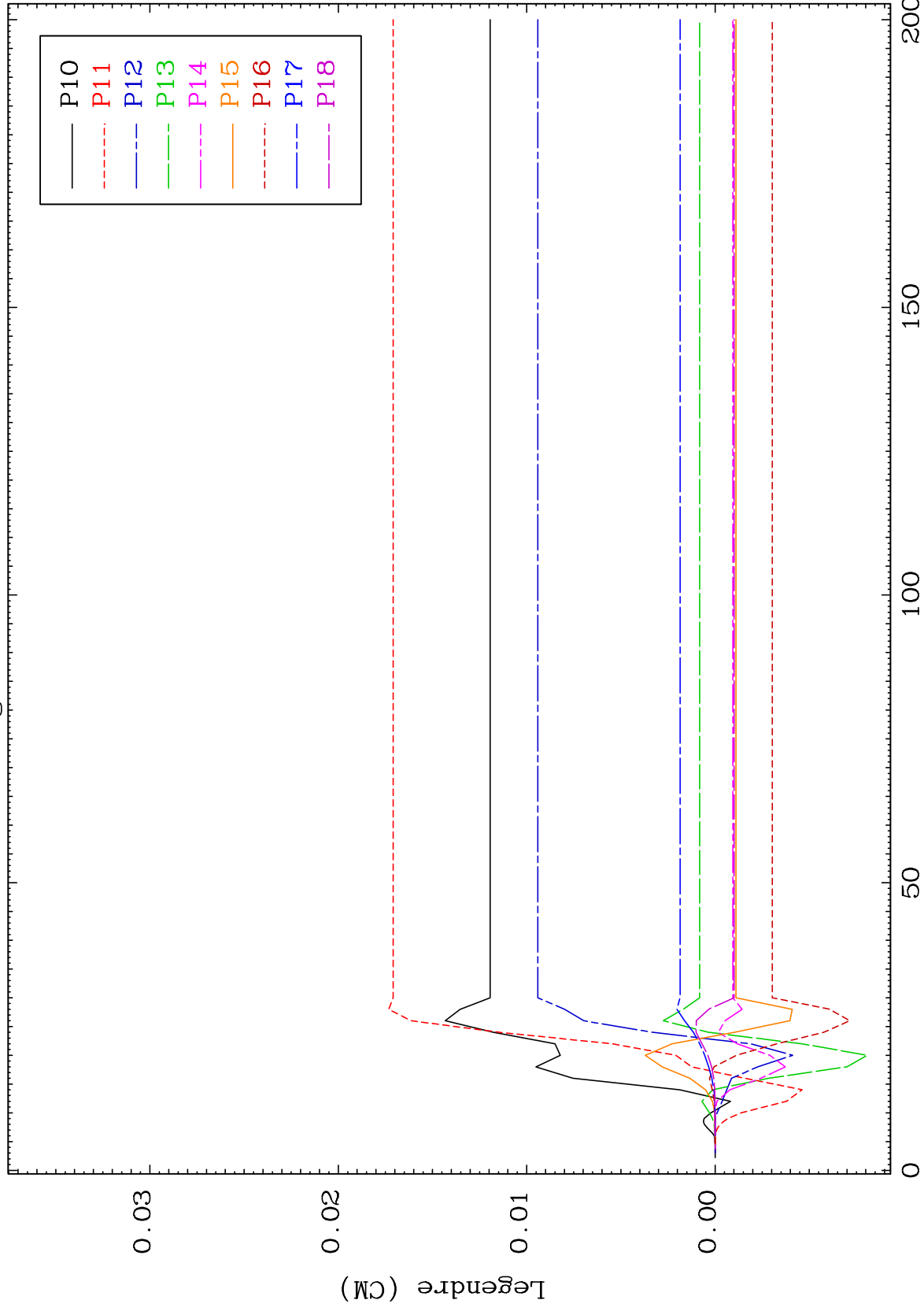
Incident Energy (MeV)

80

MAT 6137

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

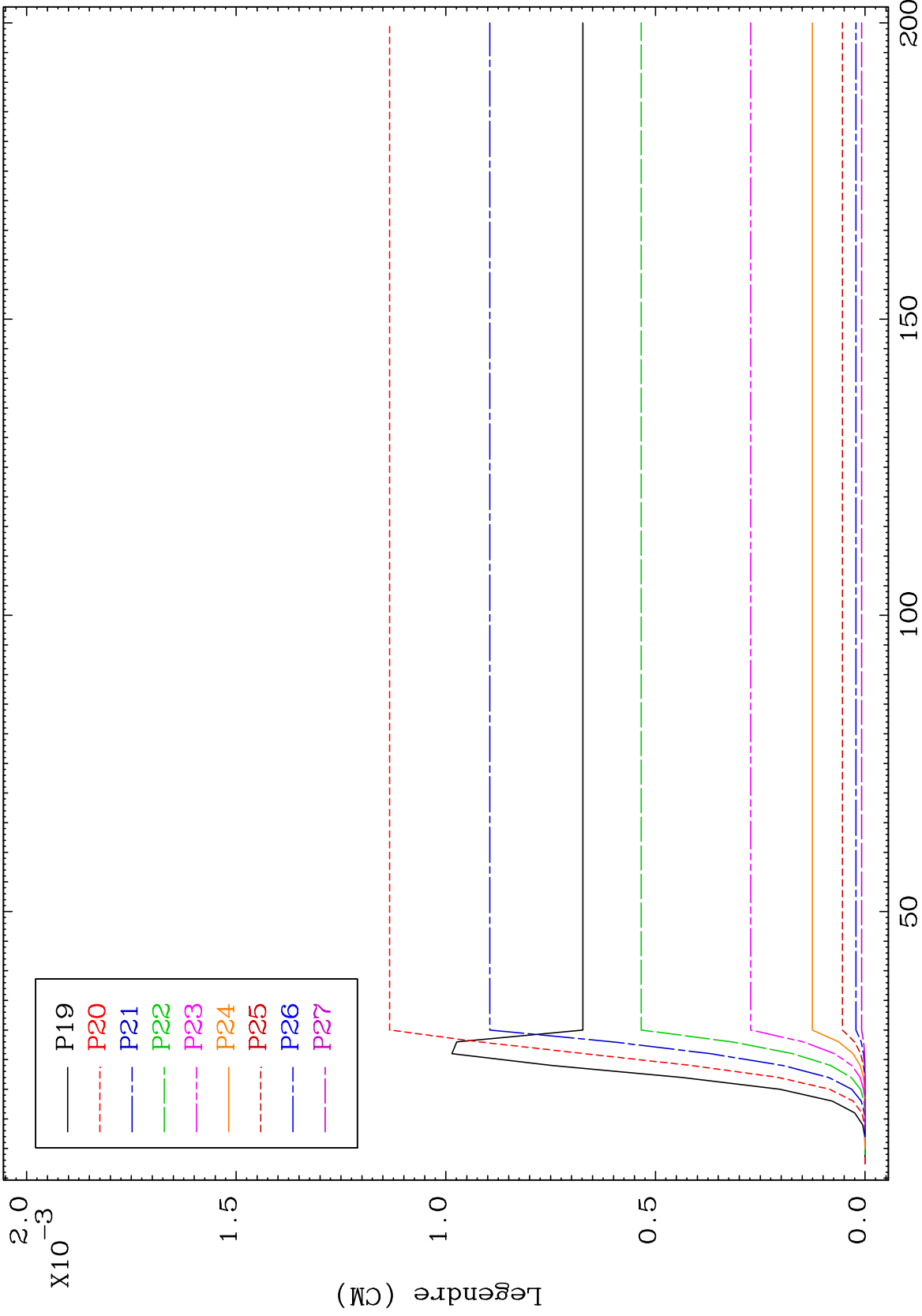
61-Pm-143



81

Incident Energy (MeV)

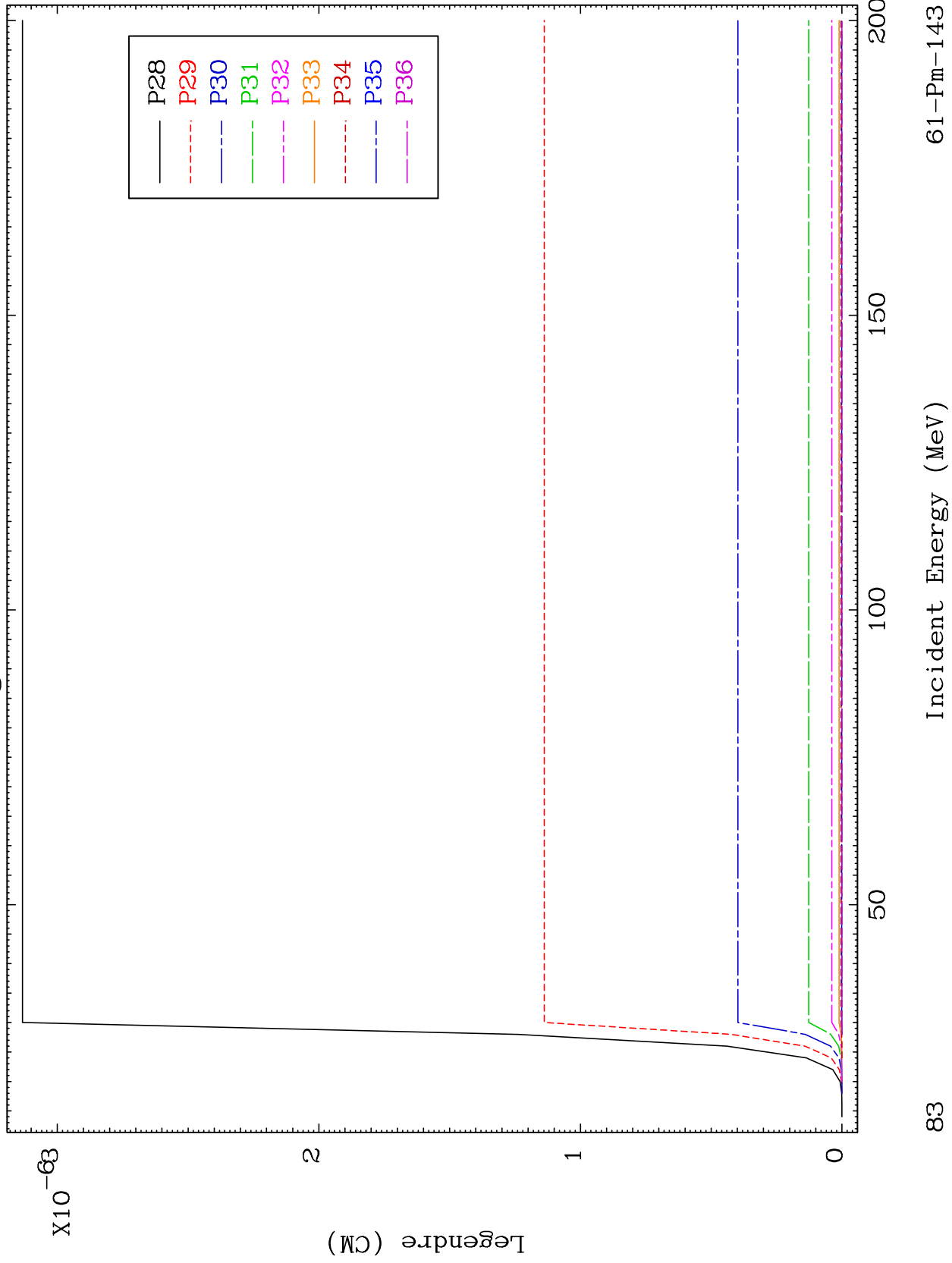
61-Pm-143



MAT 6137

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

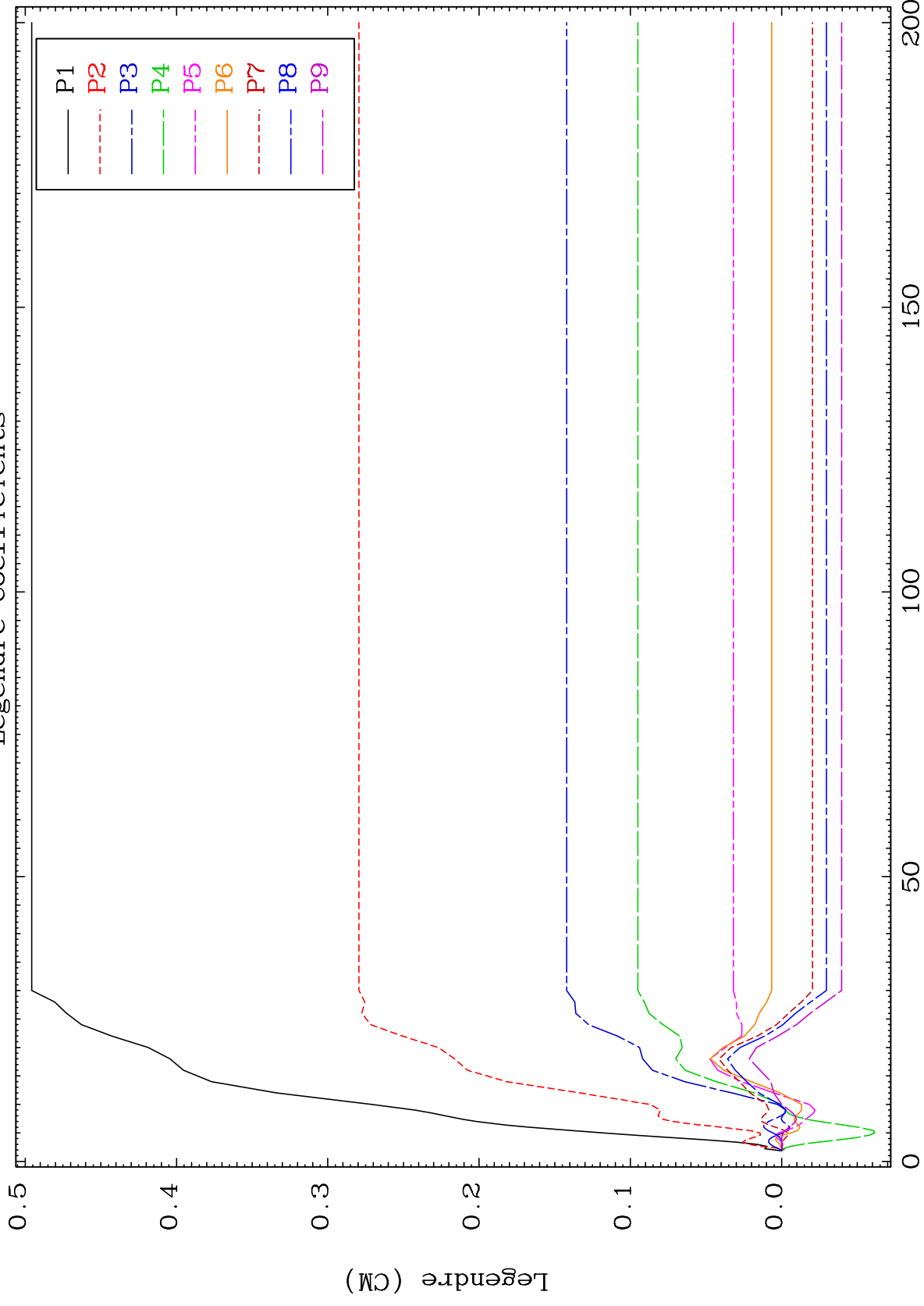
61-Pm-143



MAT 6137

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

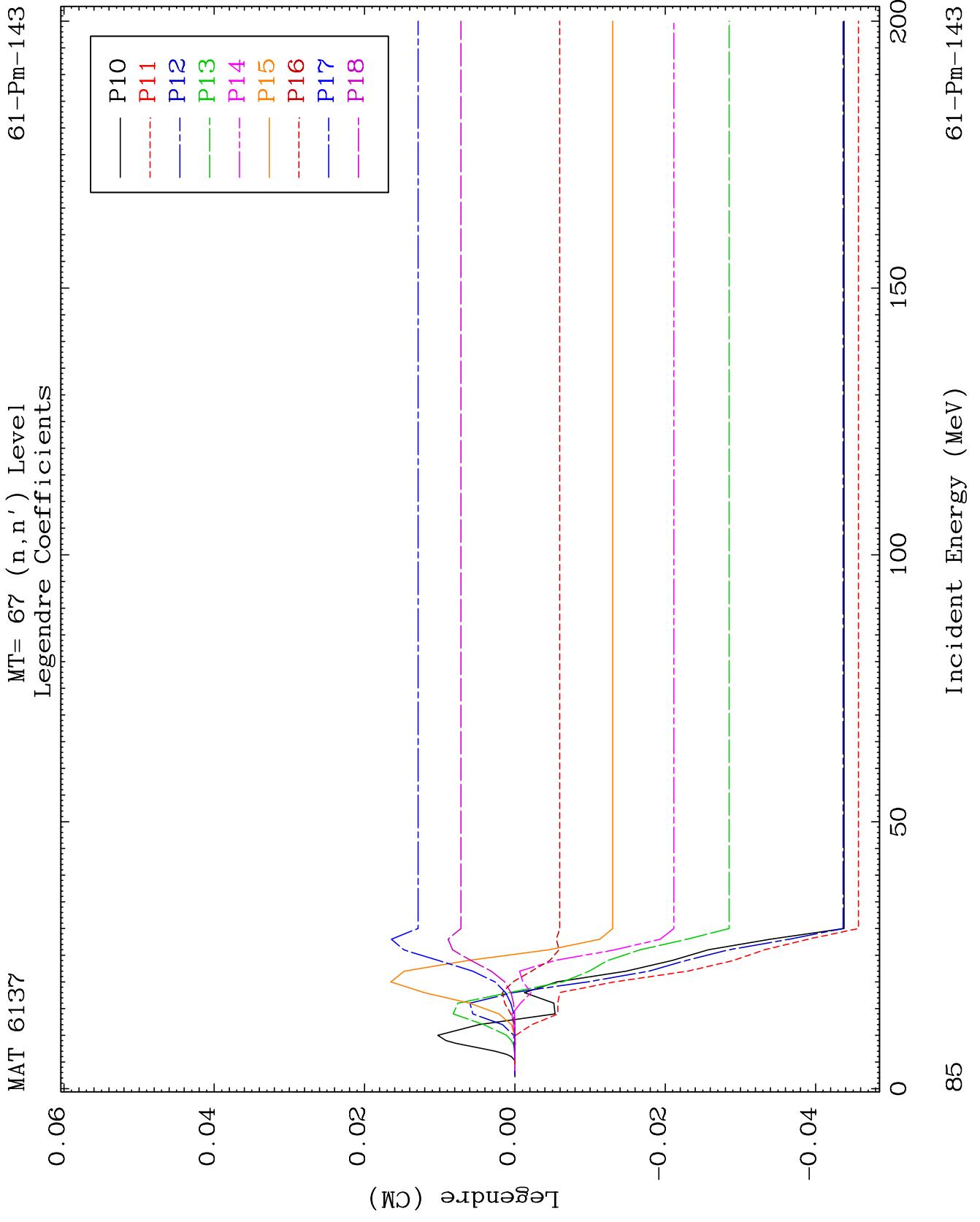
61-Pm-143

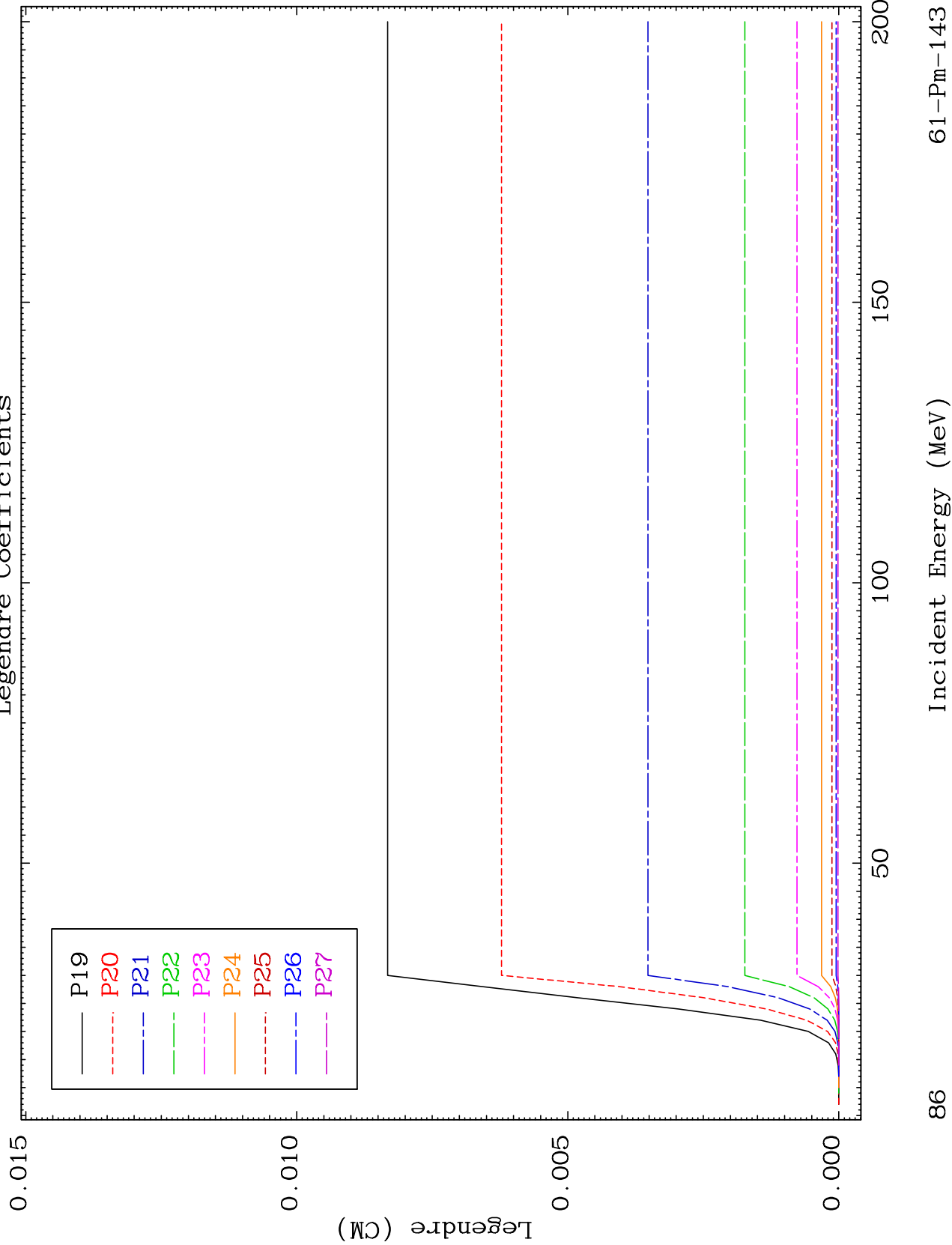


84

Incident Energy (MeV)

61-Pm-143

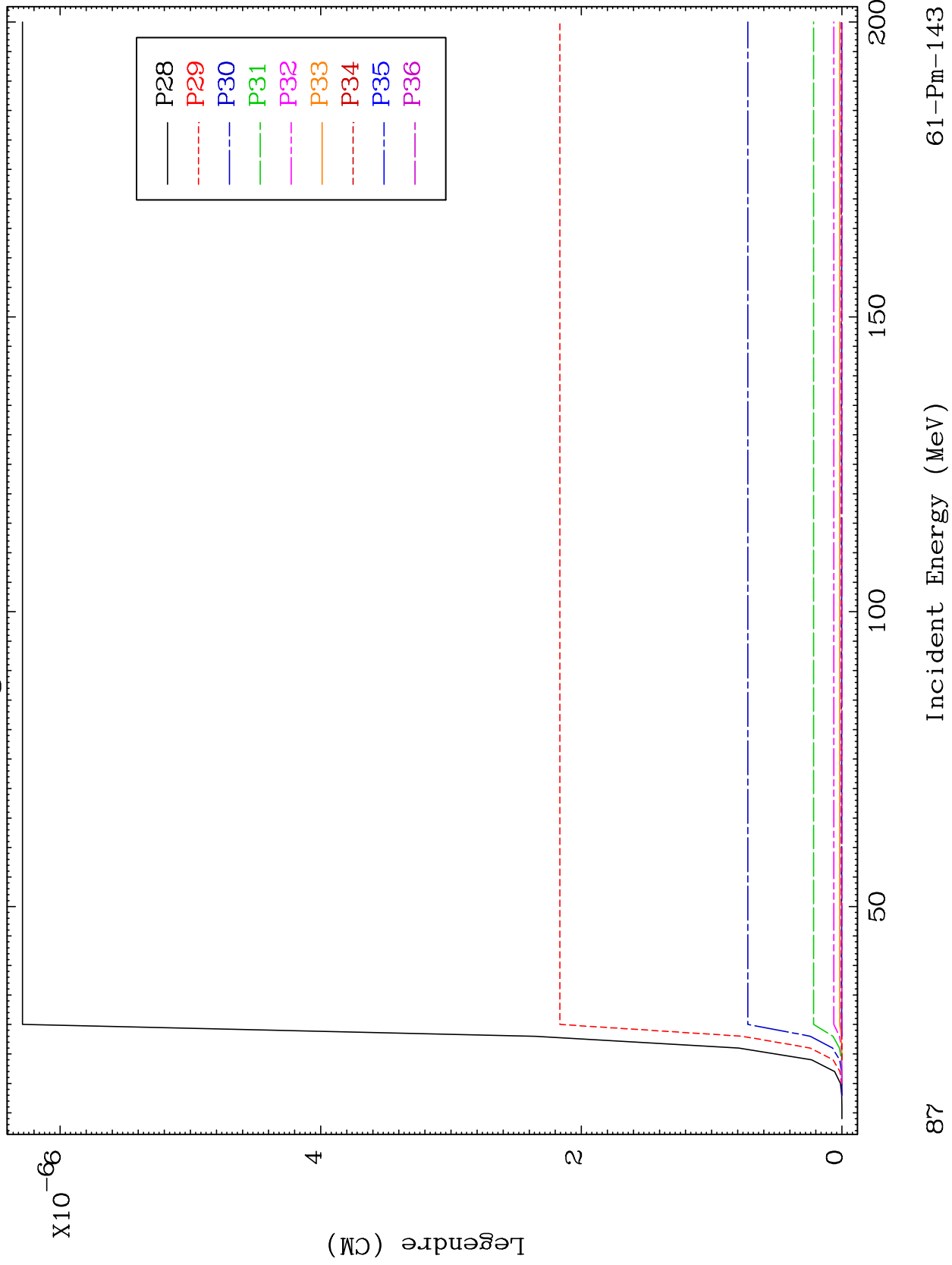




MAT 6137

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

61-Pm-143

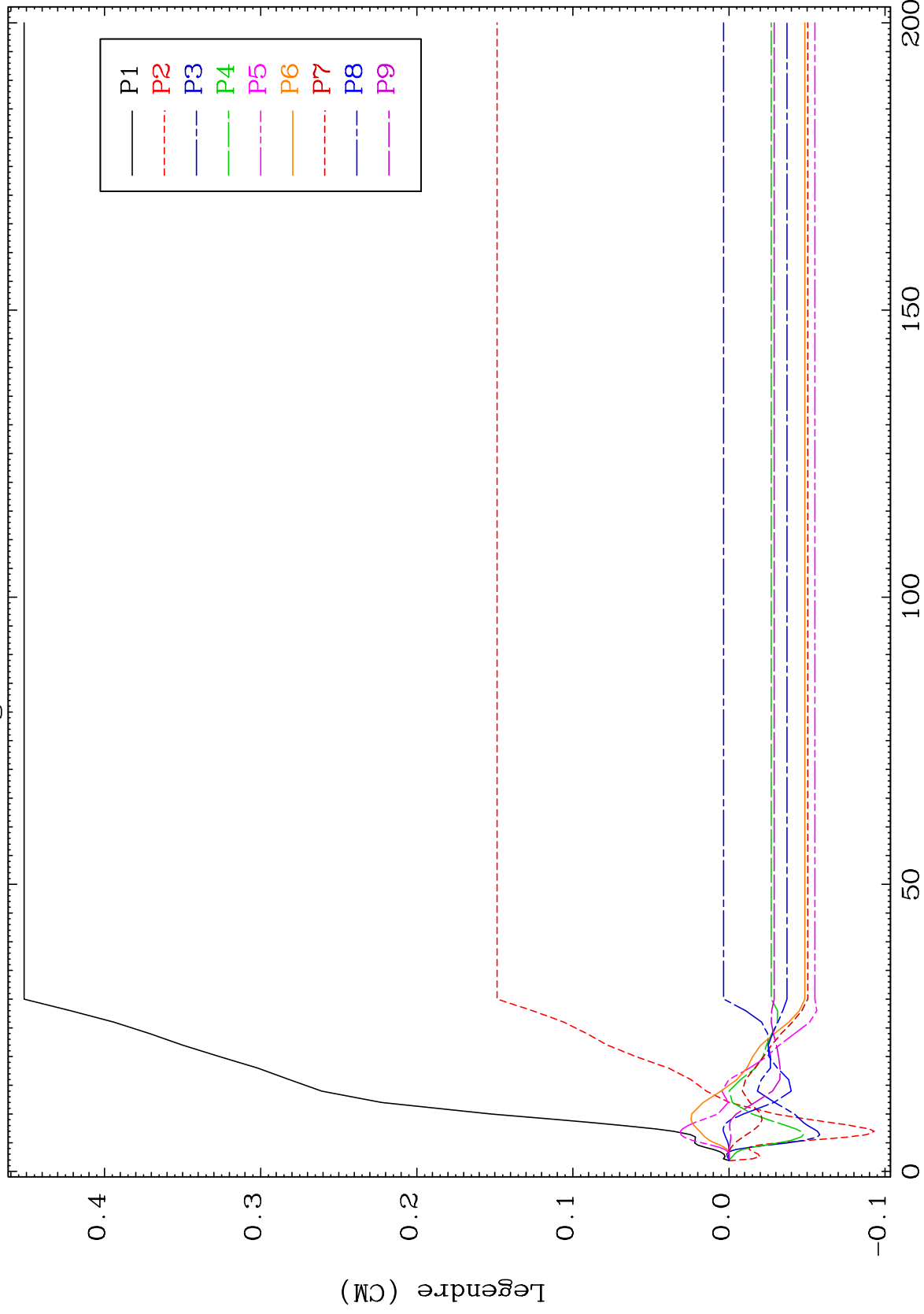




MAT 6137

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

61-Pm-143



61-Pm-143

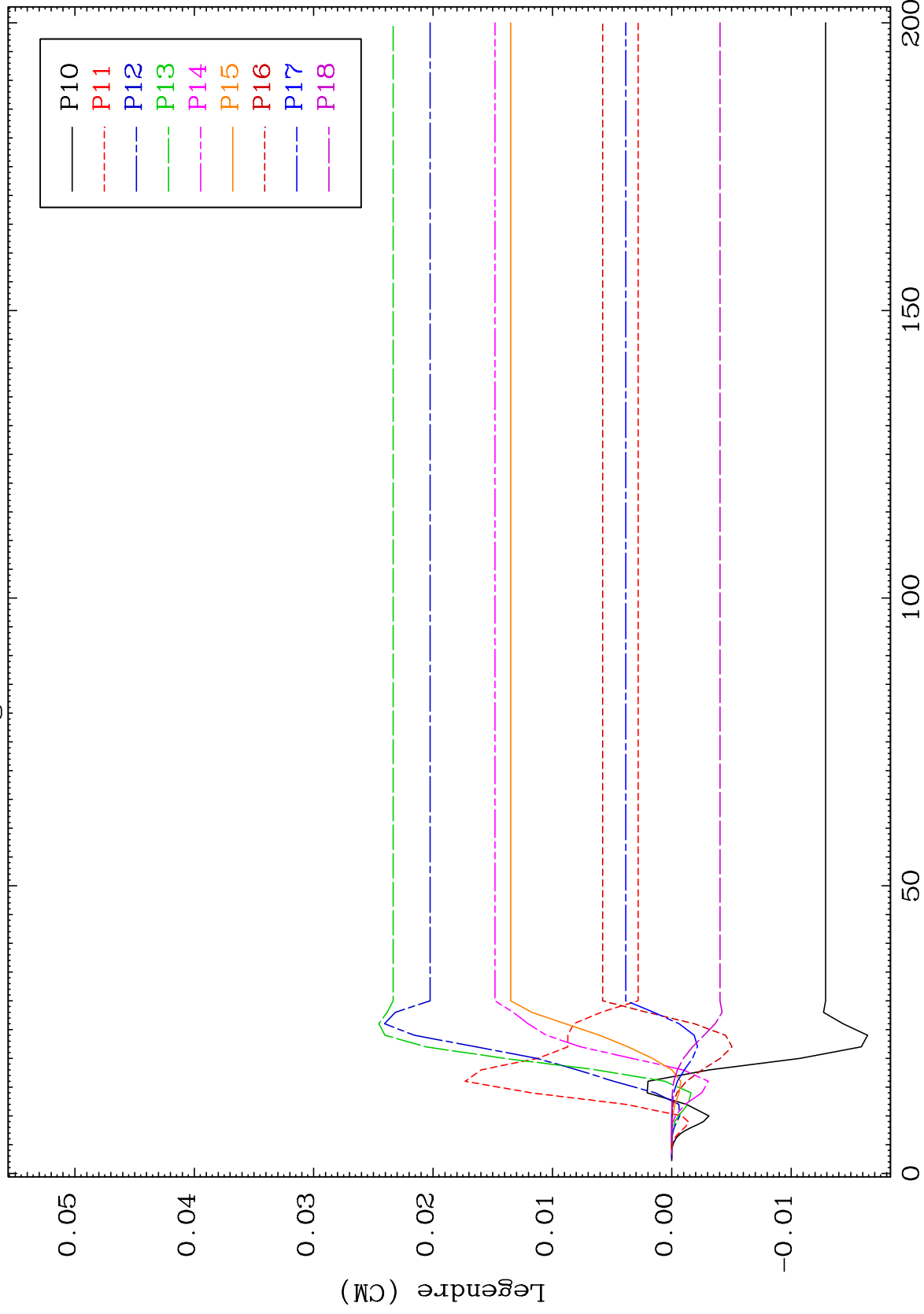
Incident Energy (MeV)

88

MAT 6137

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

61-Pm-143



89

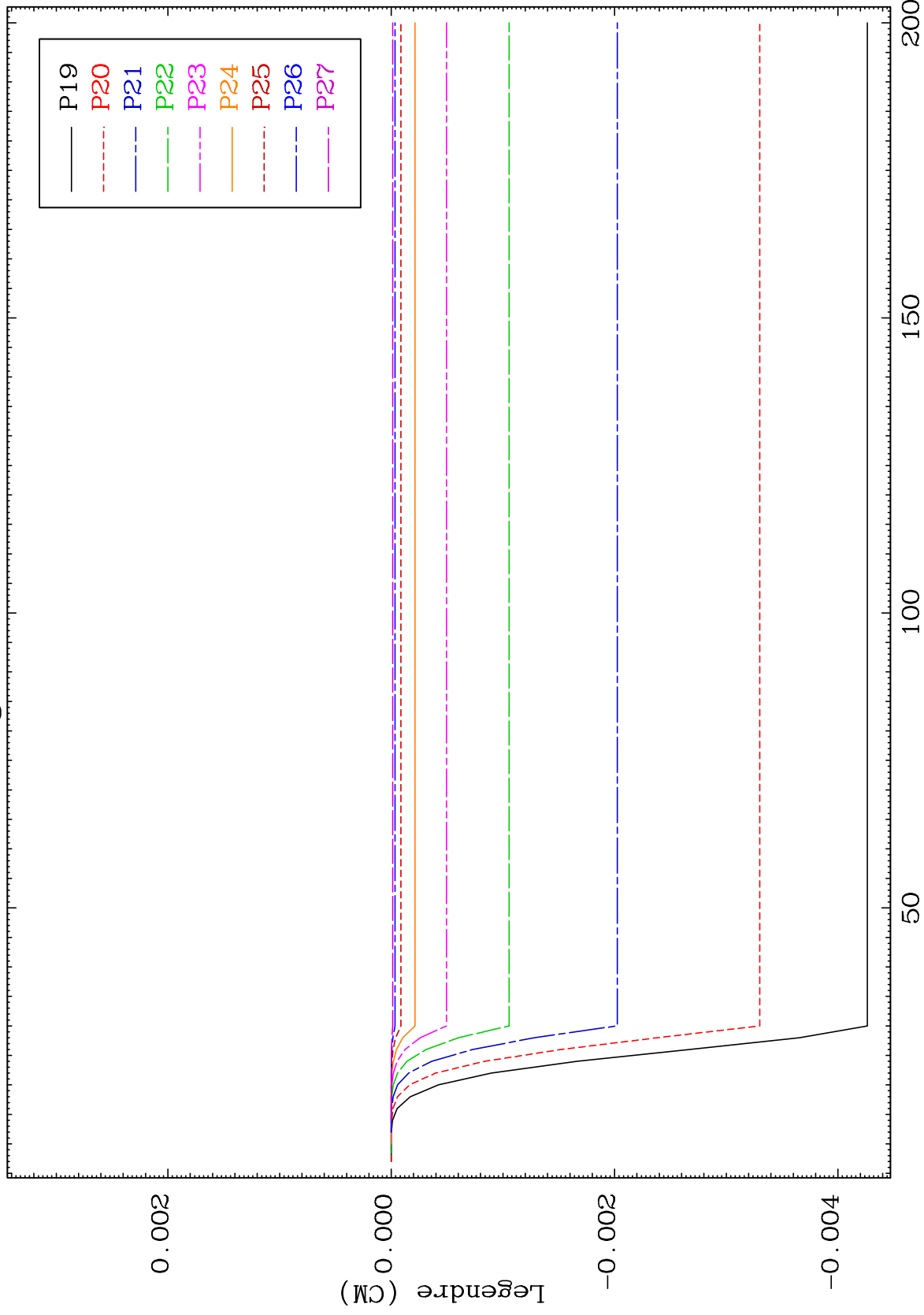
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



90

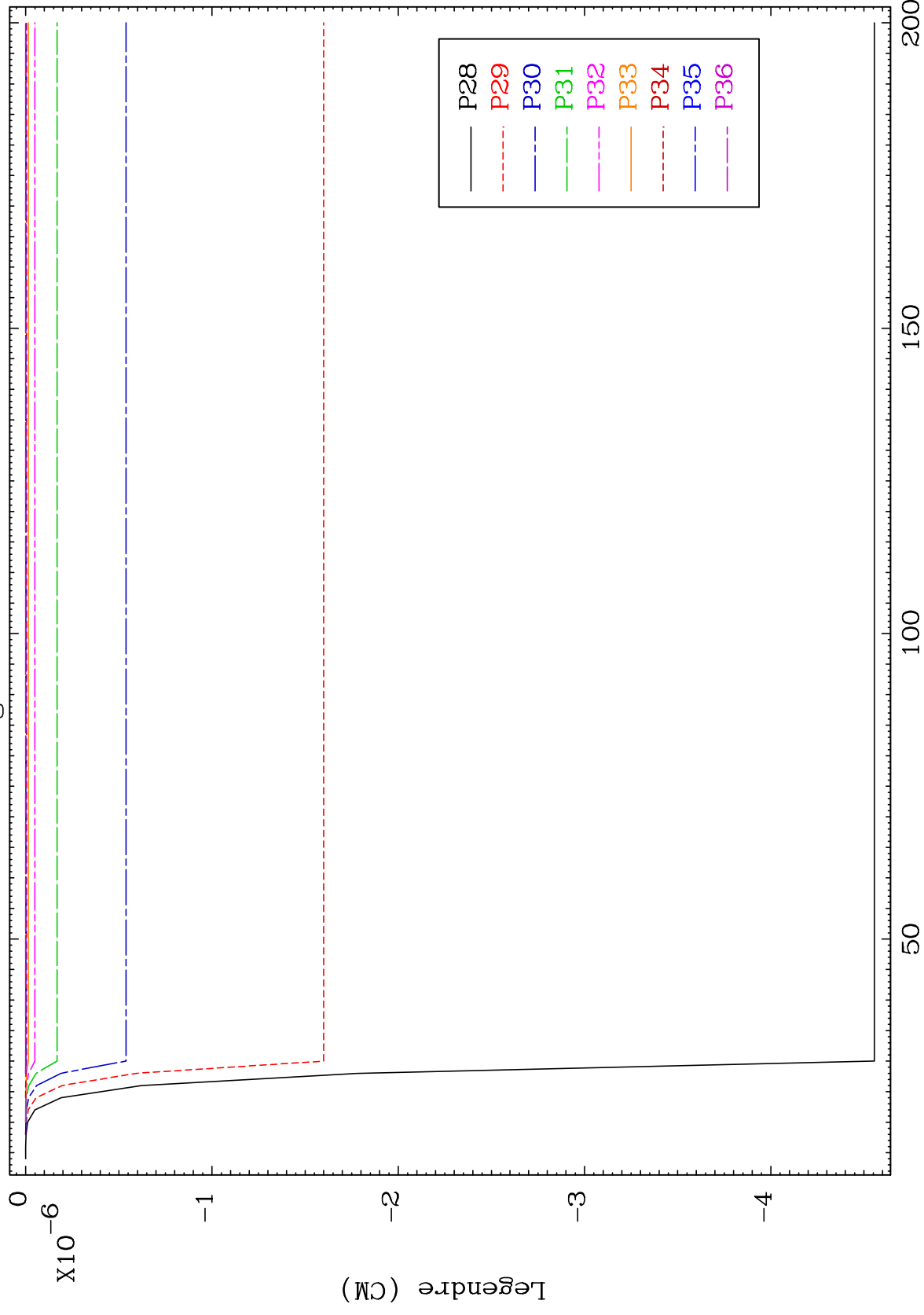
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



91

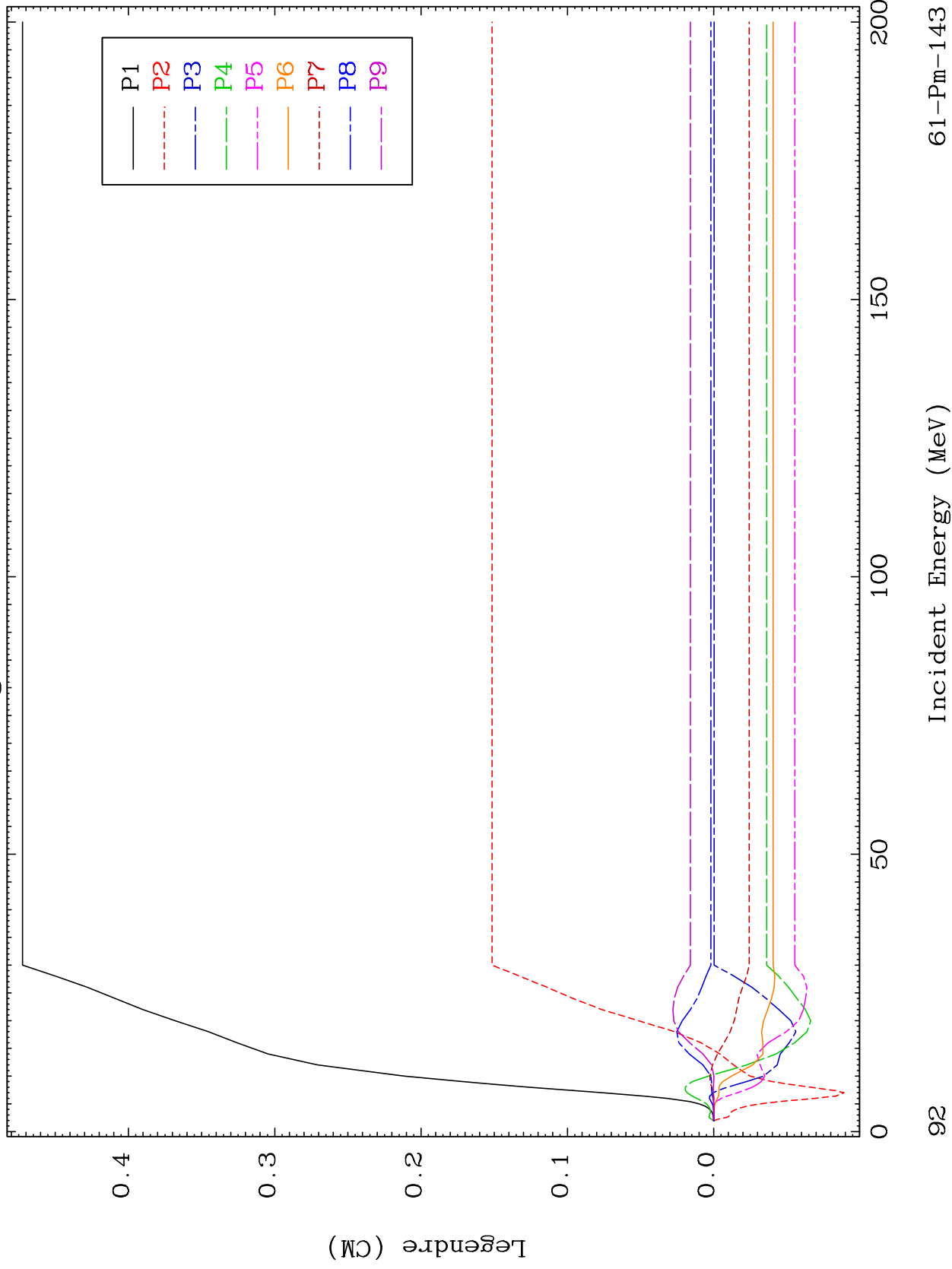
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



61-Pm-143

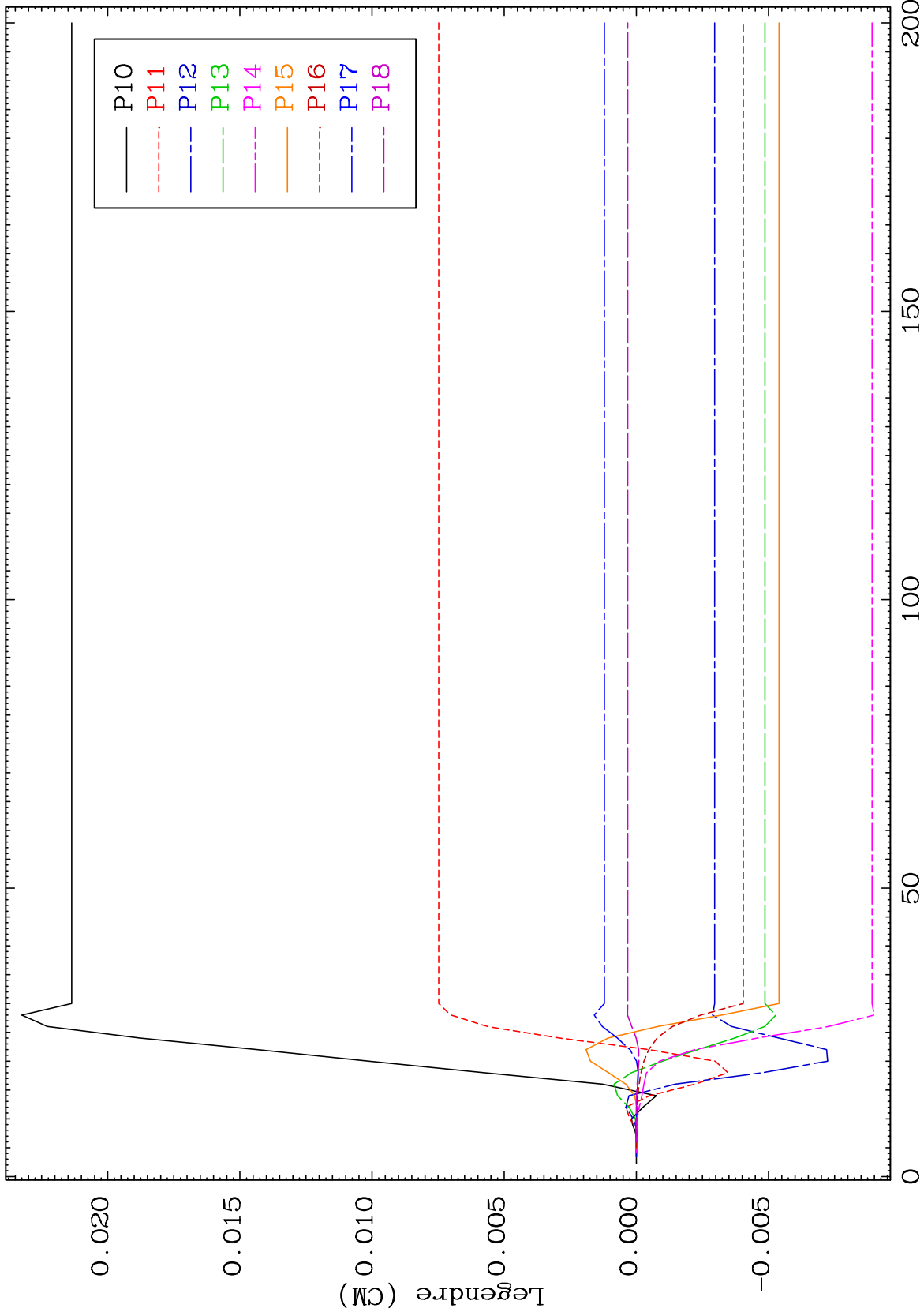
Incident Energy (MeV)

92

MAT 6137

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

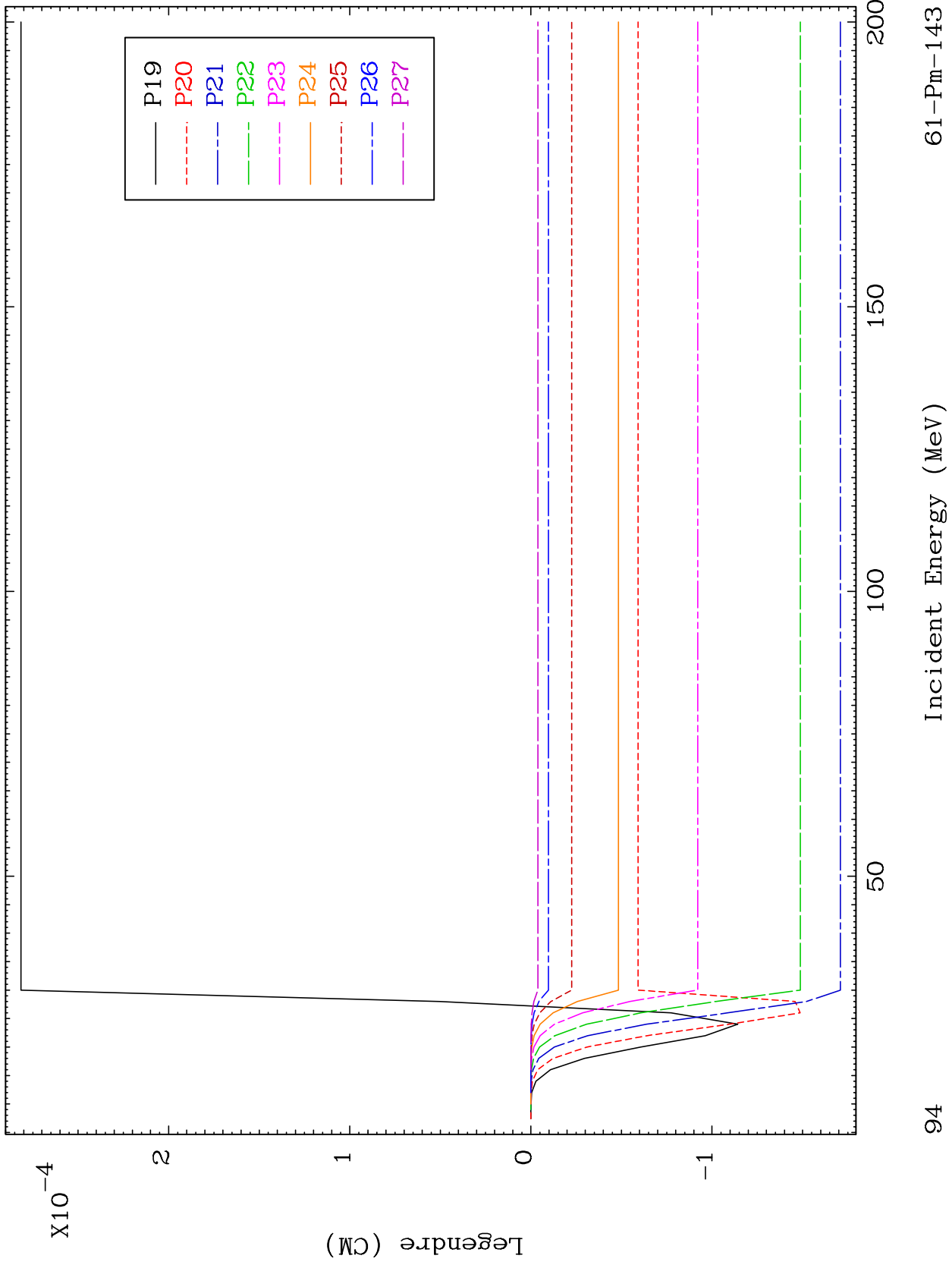
61-Pm-143



93

Incident Energy (MeV)

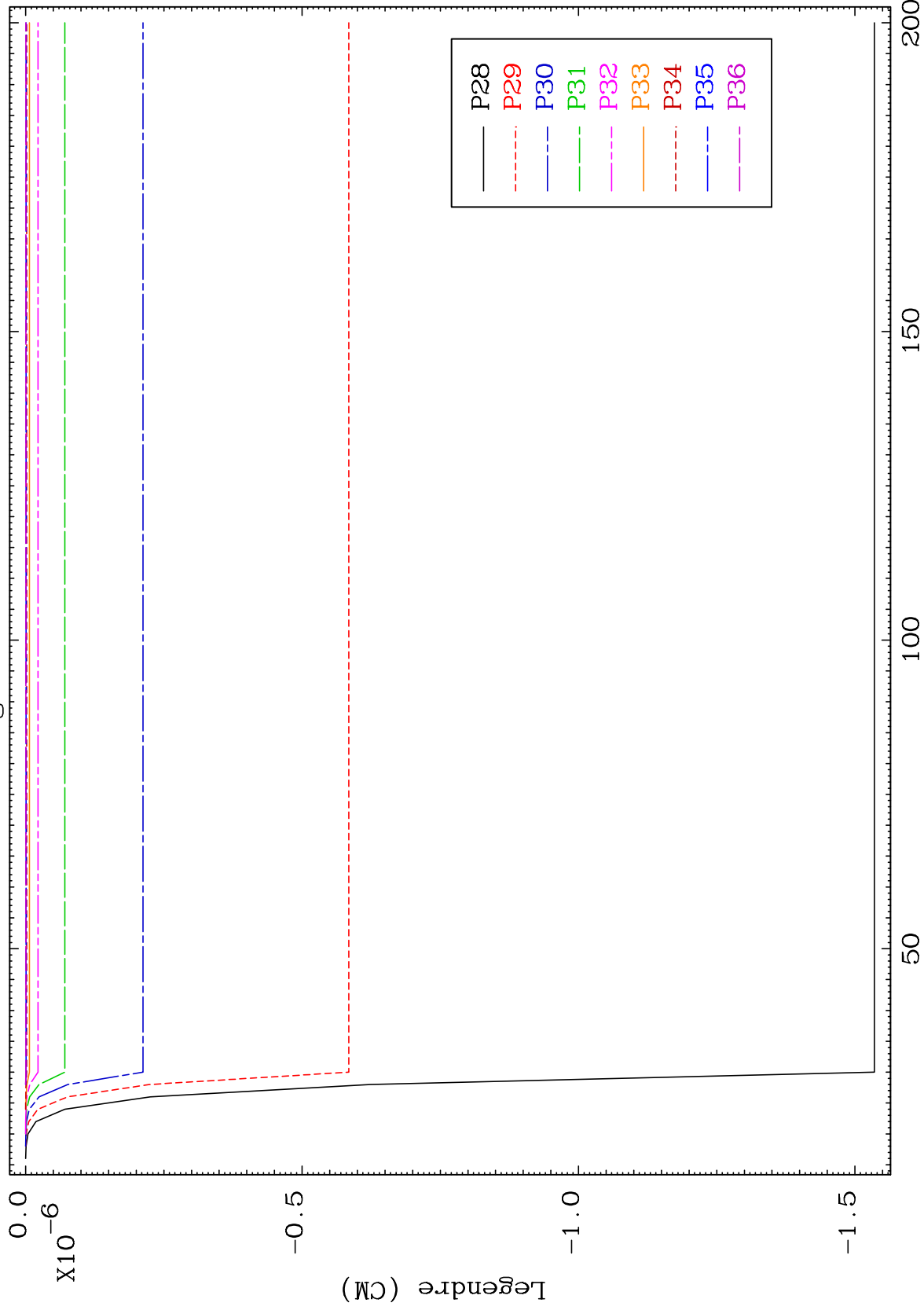
61-Pm-143



MAT 6137

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

61-Pm-143



95

Incident Energy (MeV)

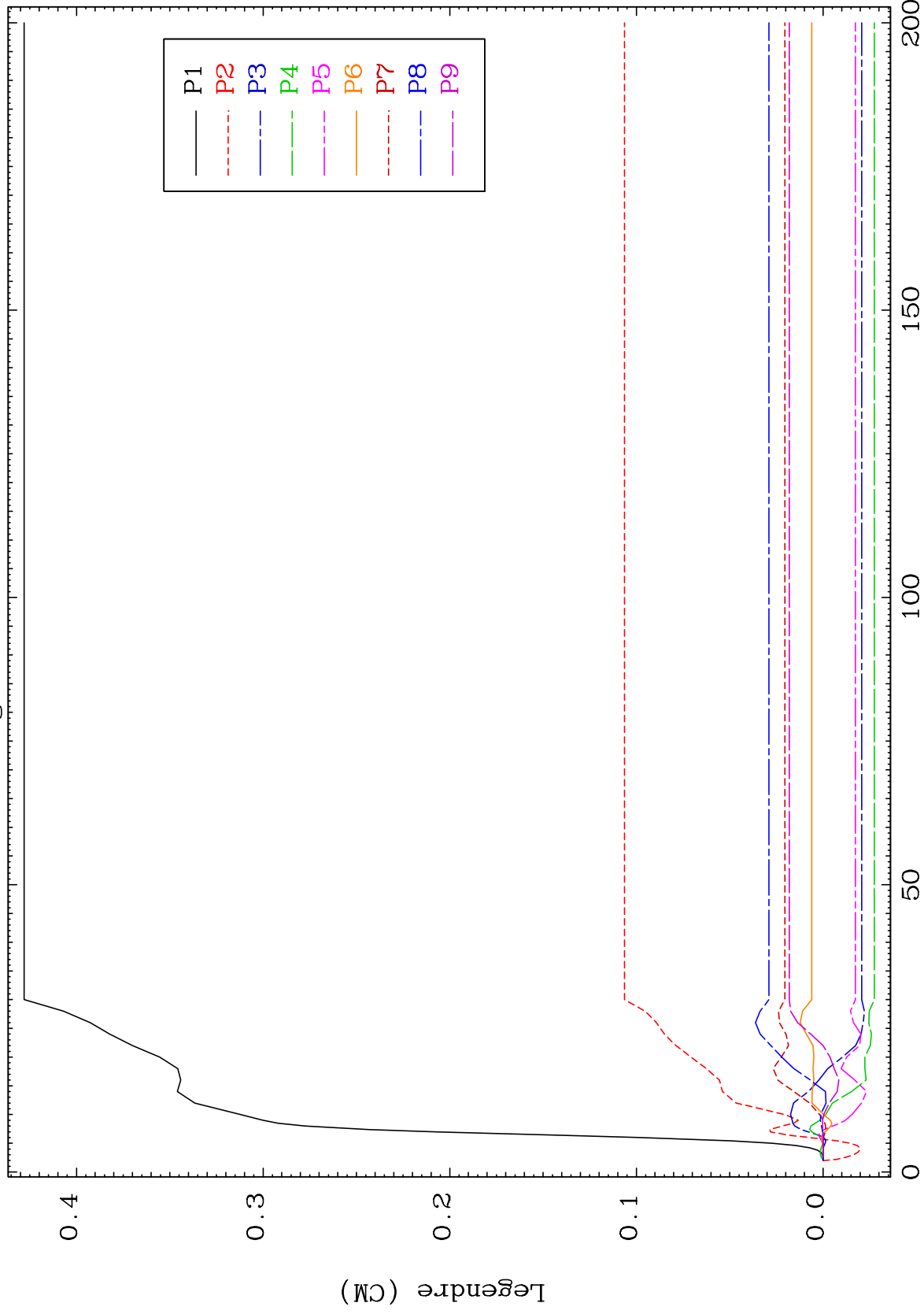
61-Pm-143



MAT 6137

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

61-Pm-143



96

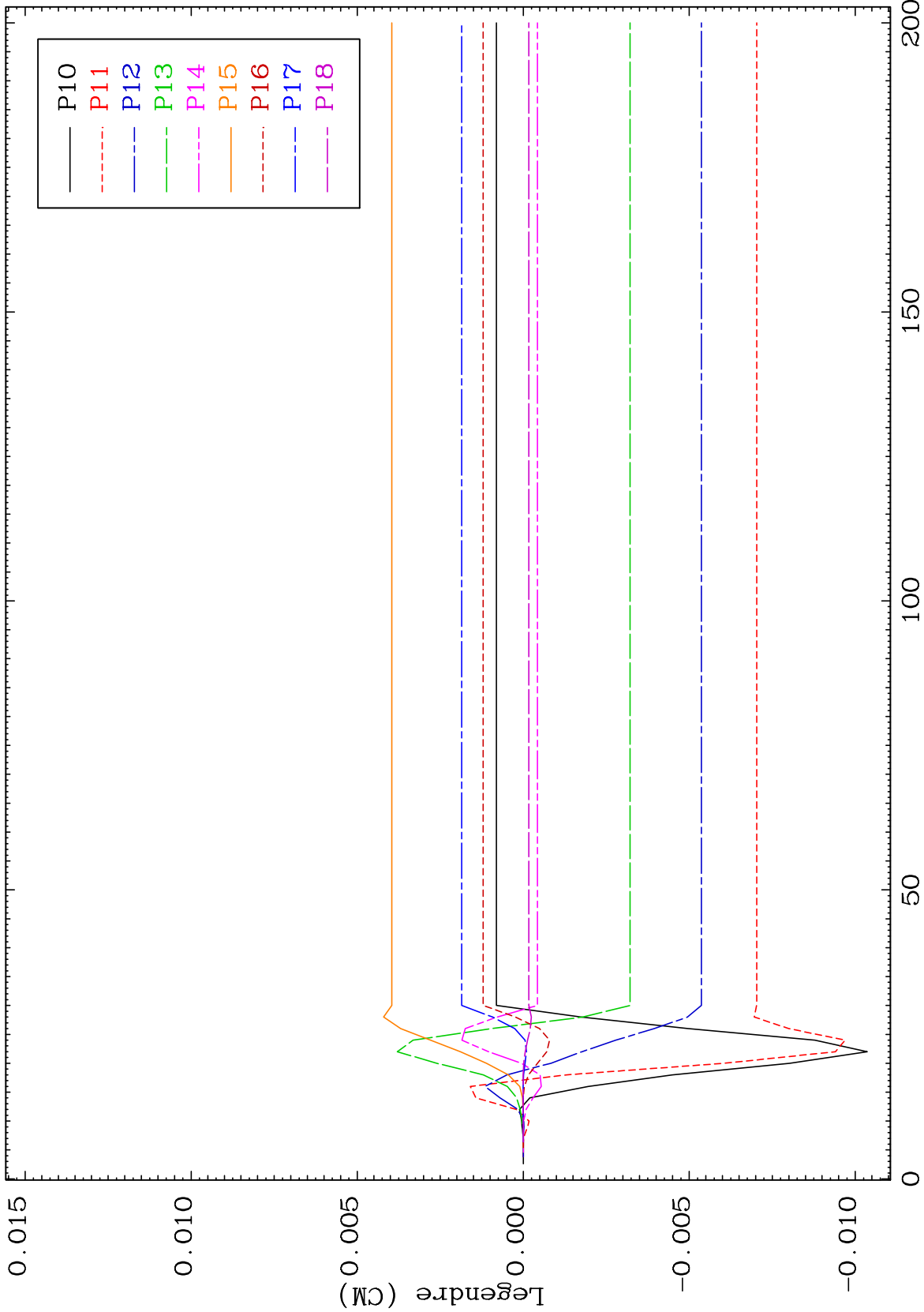
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



97

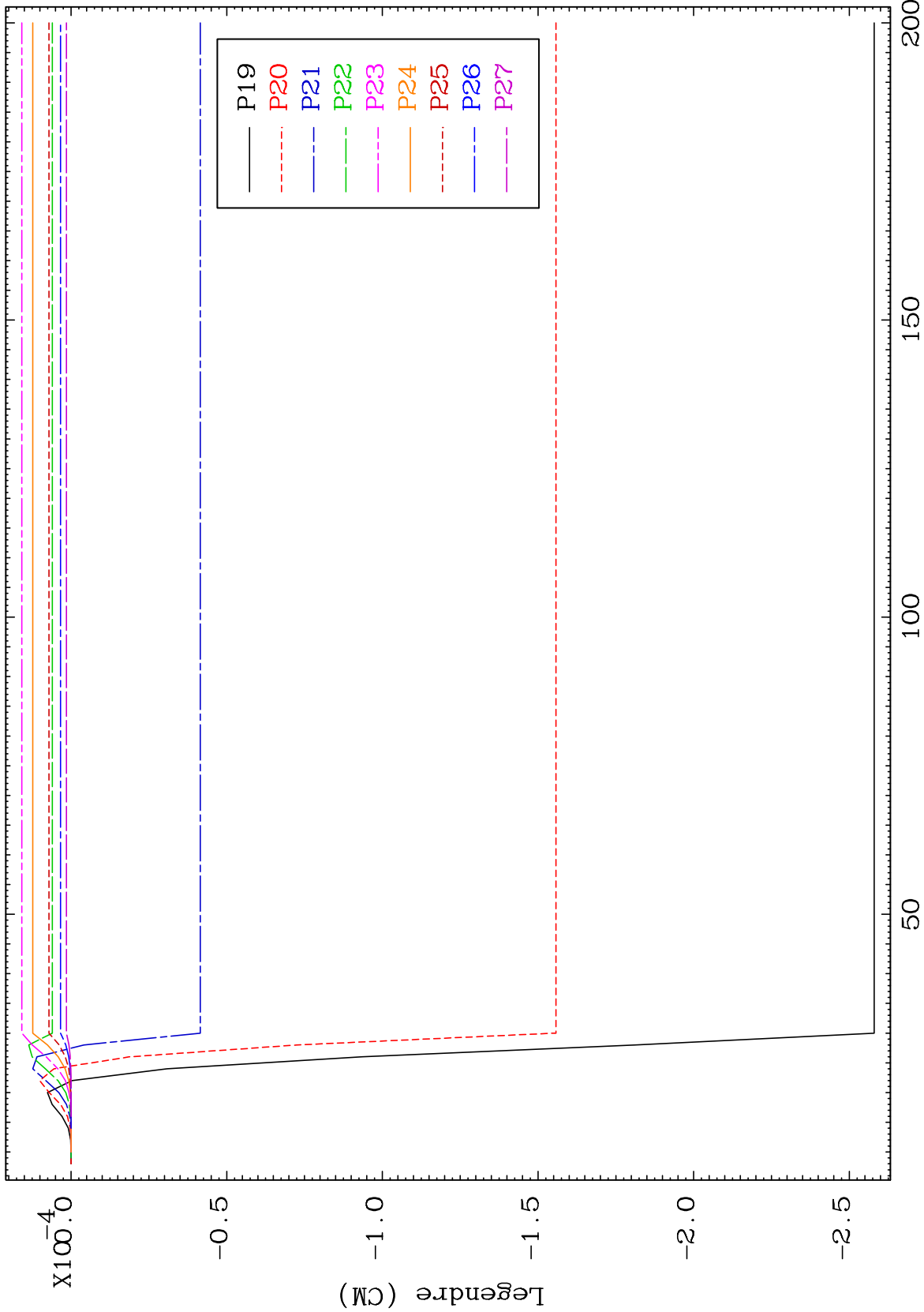
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

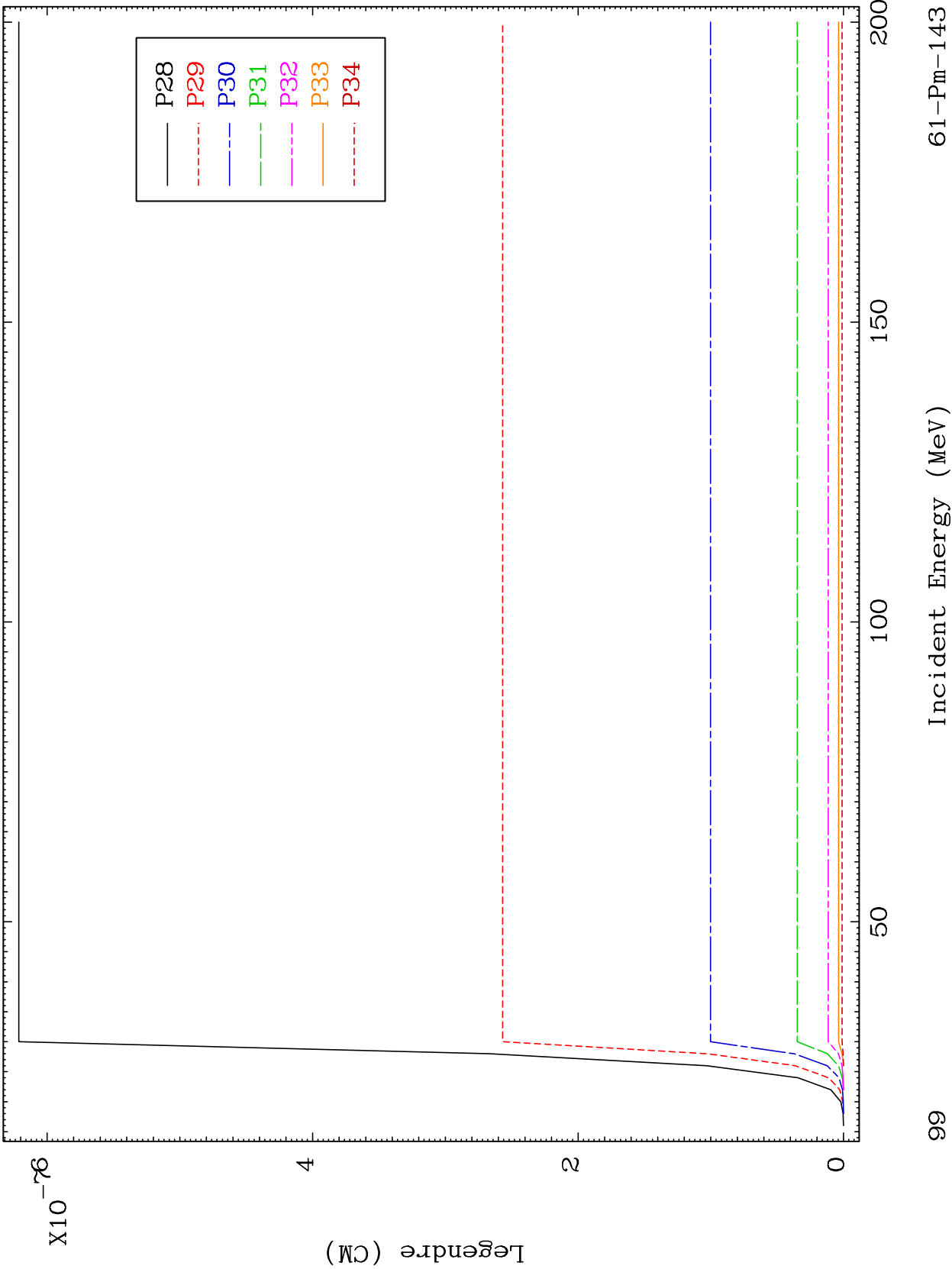
61-Pm-143



MAT 6137

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

61-Pm-143



99

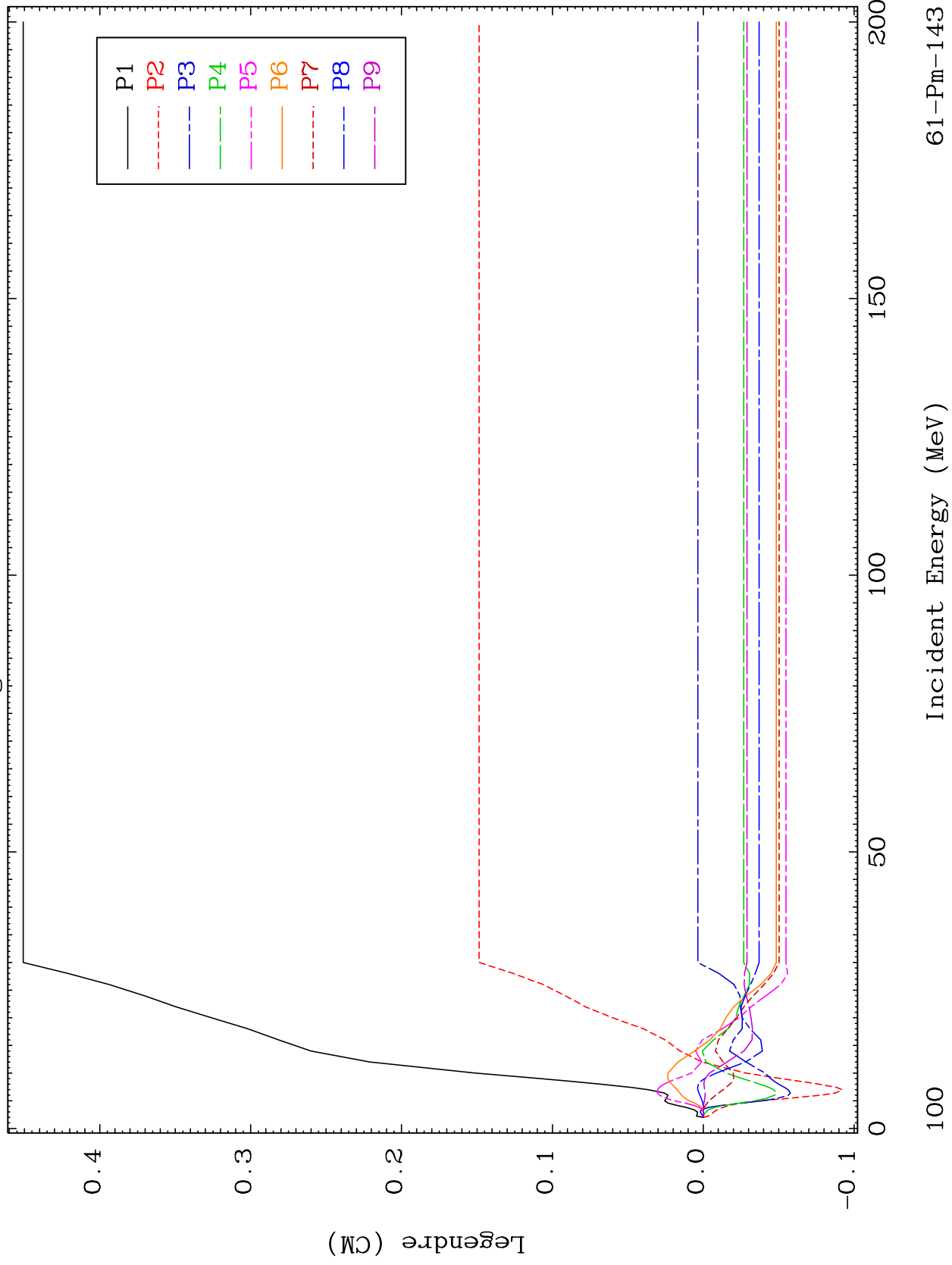
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



61-Pm-143

Incident Energy (MeV)

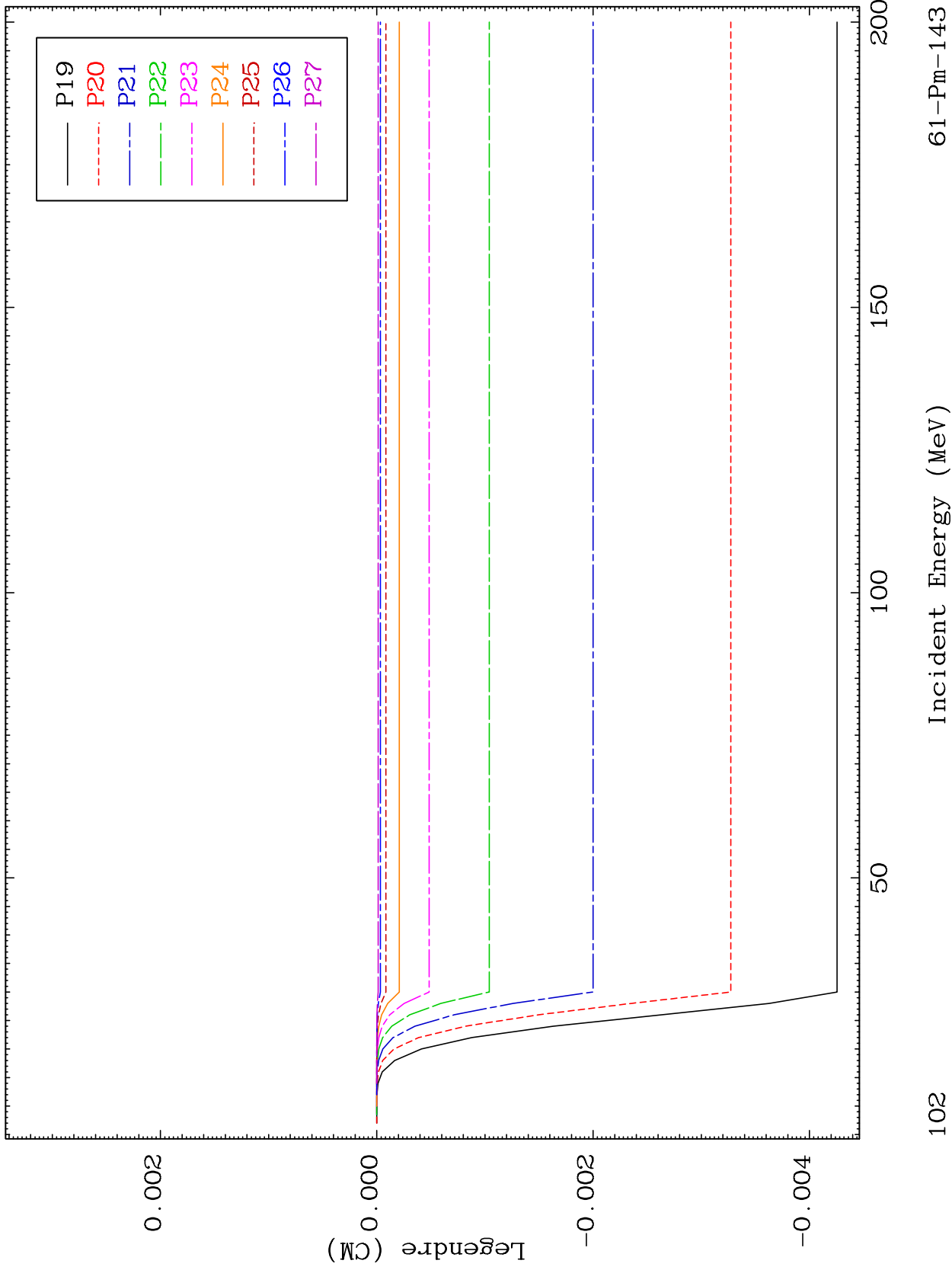
Legendre (CM)



MAT 6137

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

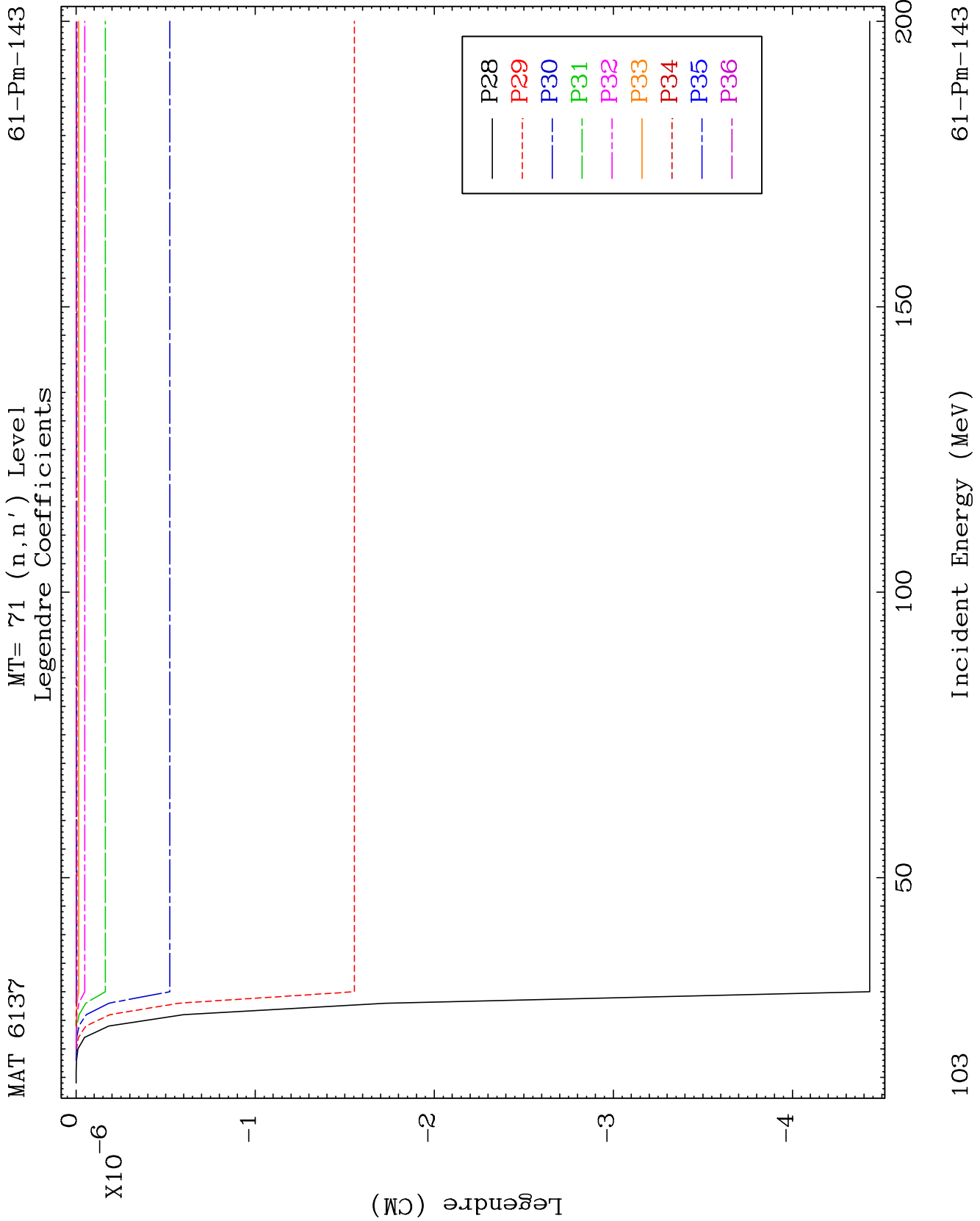
61-Pm-143



102

Incident Energy (MeV)

61-Pm-143

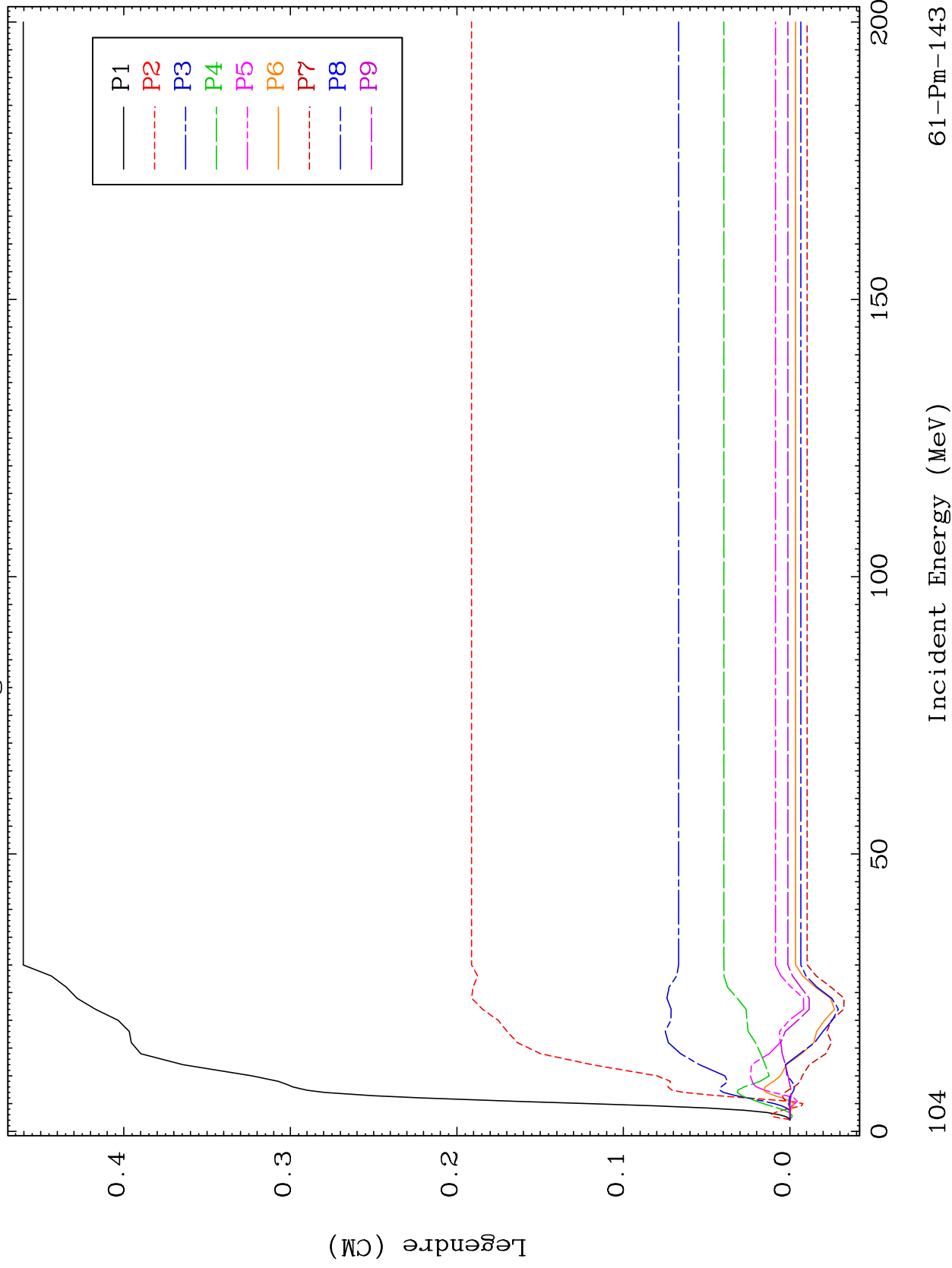




MAT 6137

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

61-Pm-143



61-Pm-143

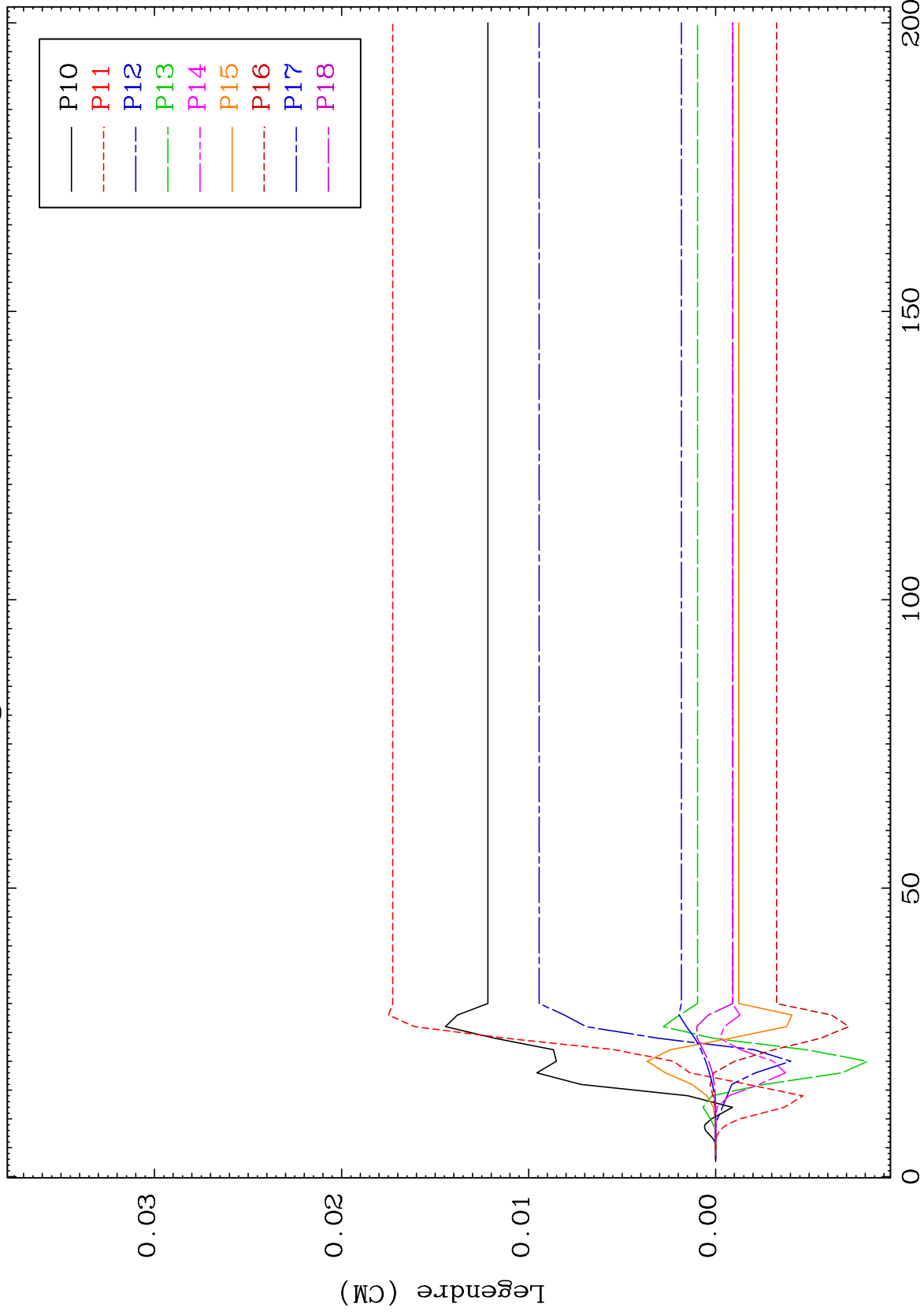
Incident Energy (MeV)

104

MAT 6137

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

61-Pm-143



61-Pm-143

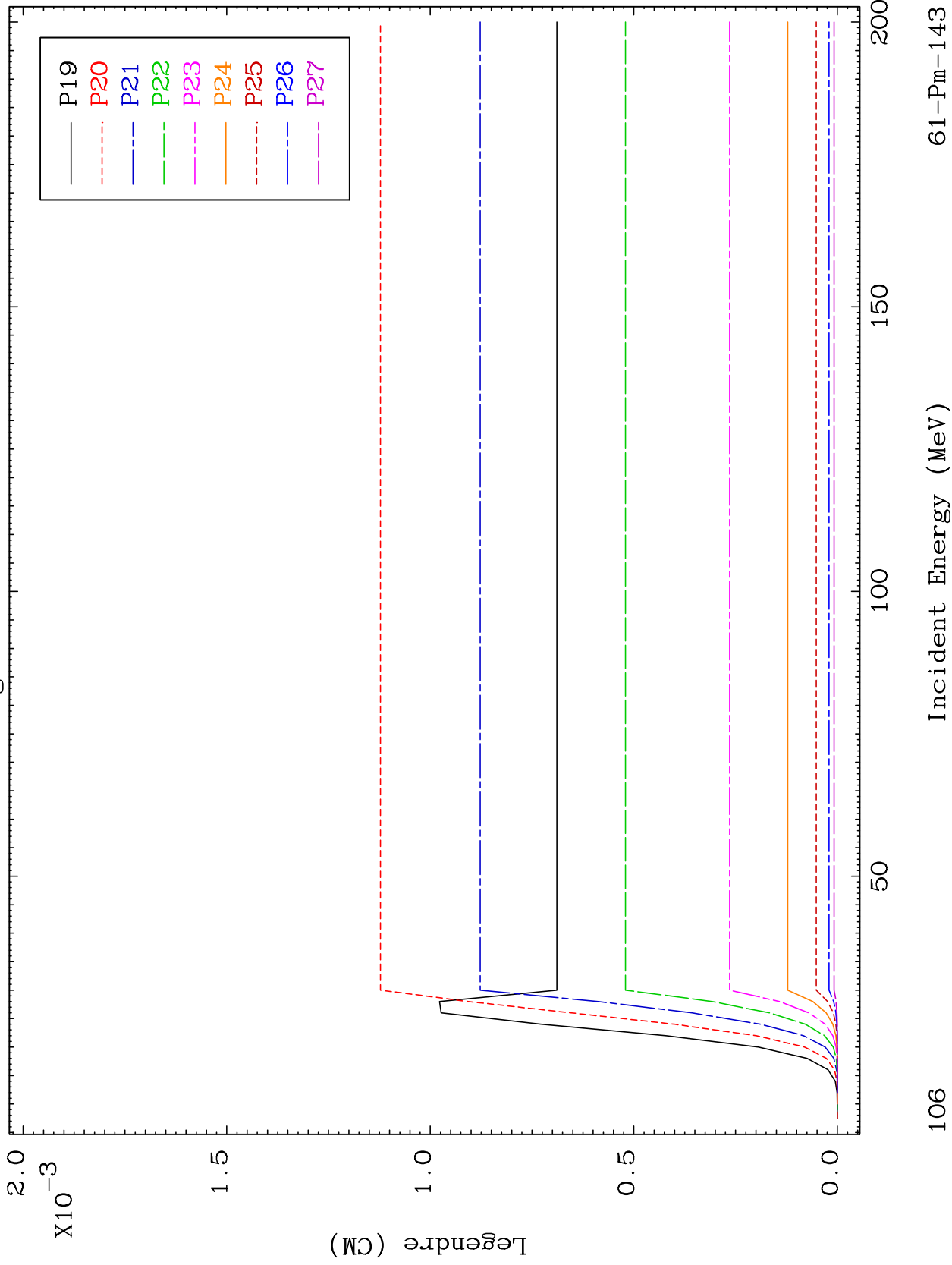
Incident Energy (MeV)

105

MAT 6137

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

61-Pm-143



106

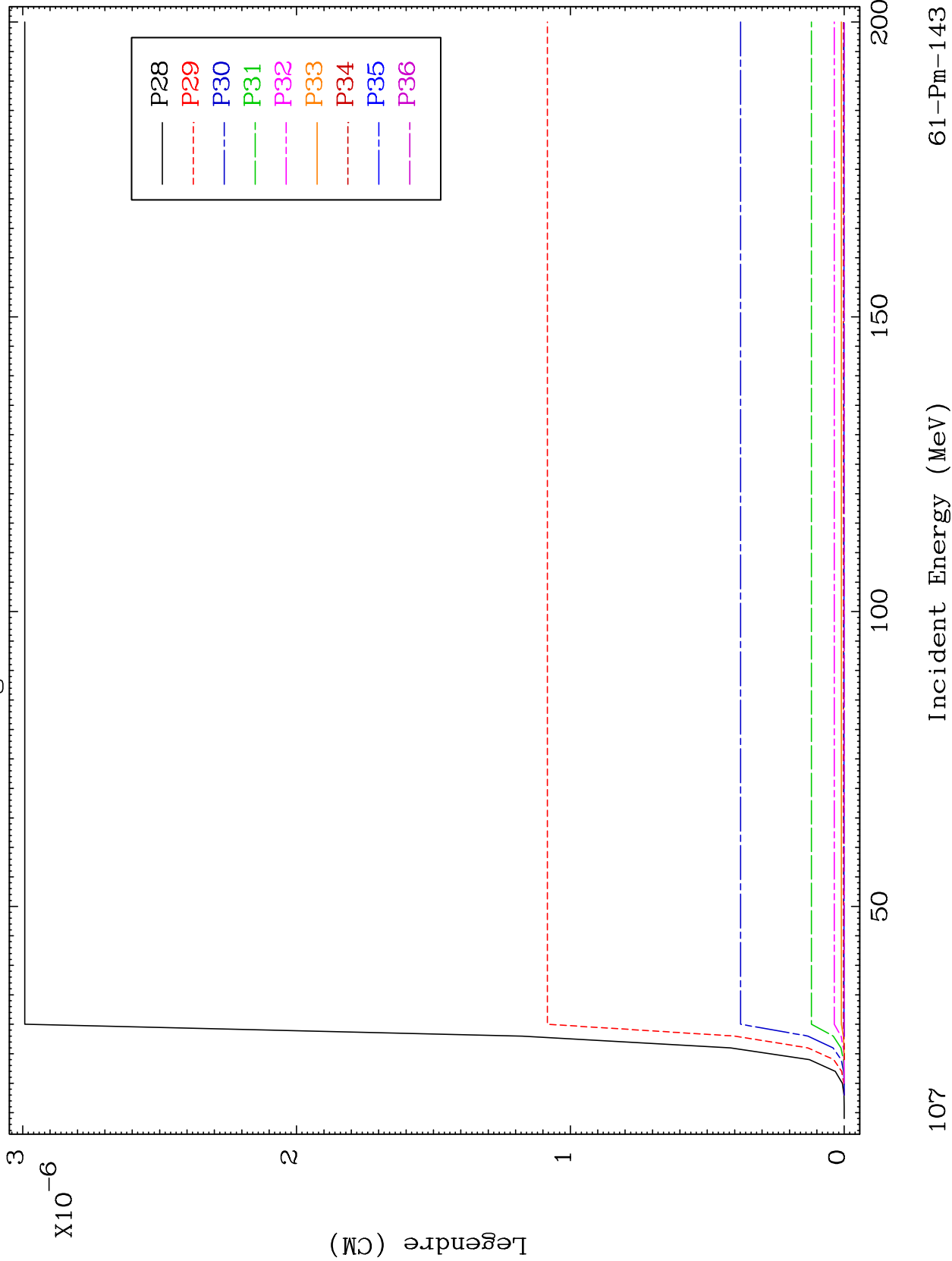
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



107

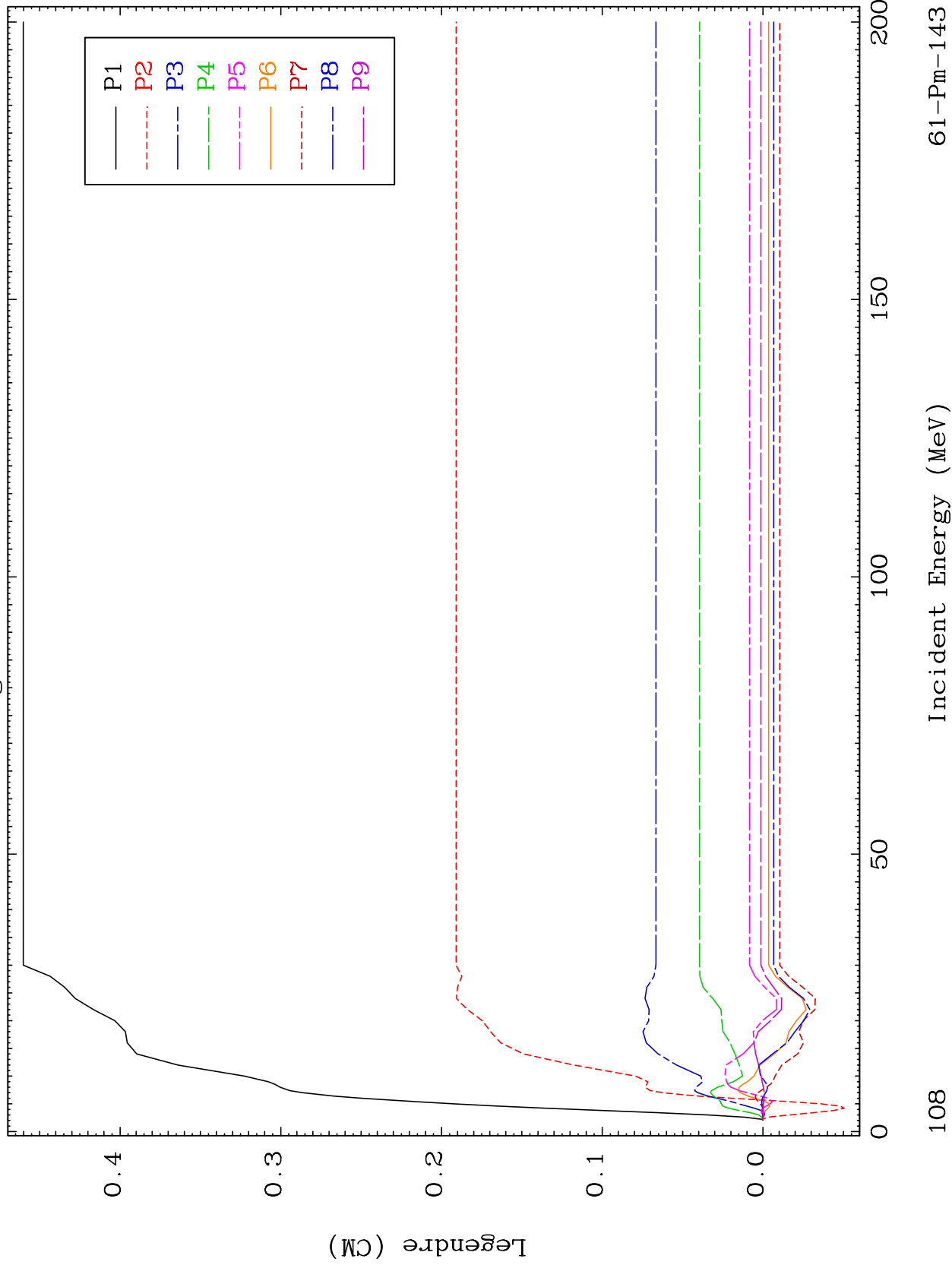
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



61-Pm-143

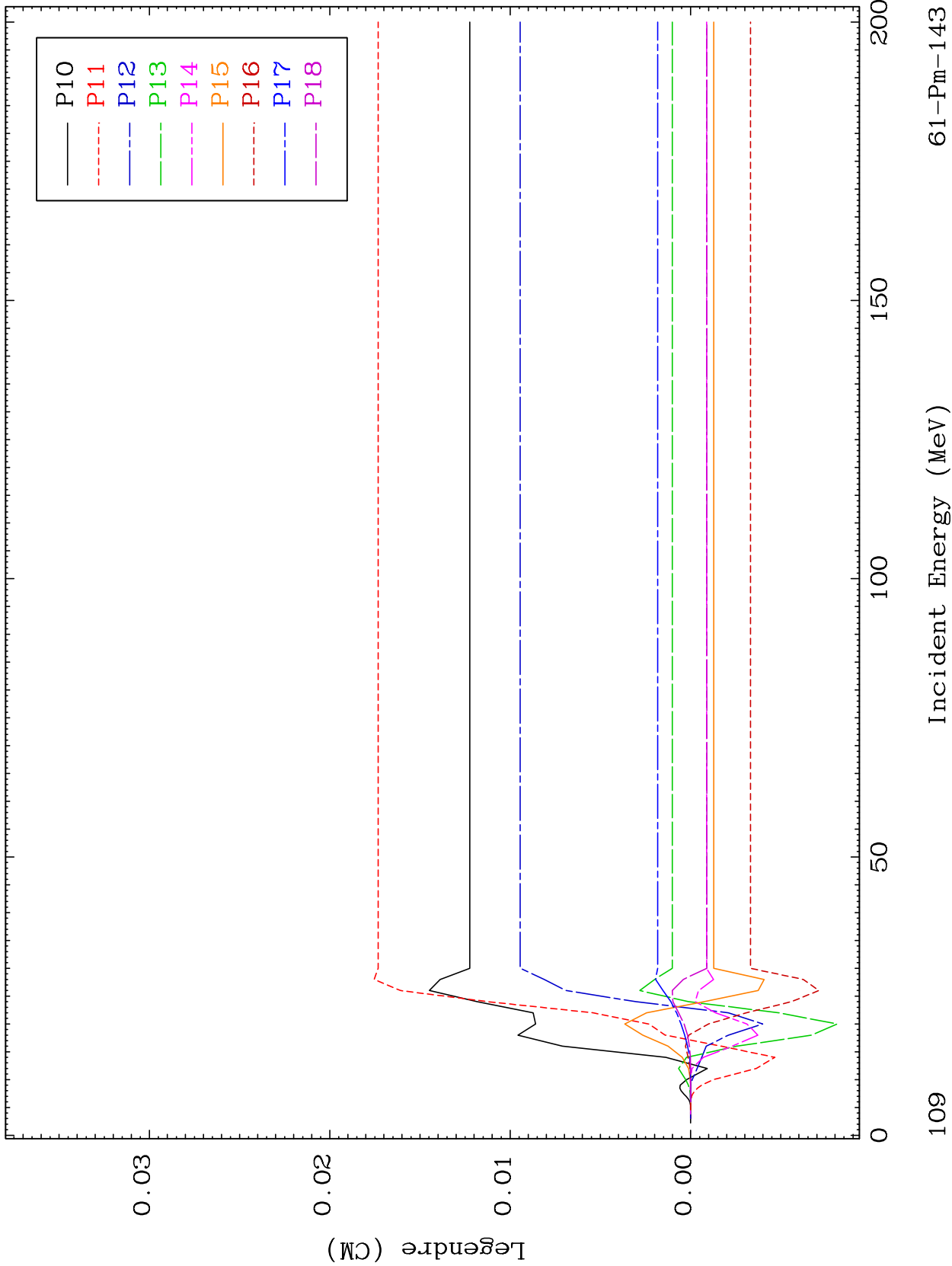
Incident Energy (MeV)

108

MAT 6137

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

61-Pm-143



61-Pm-143

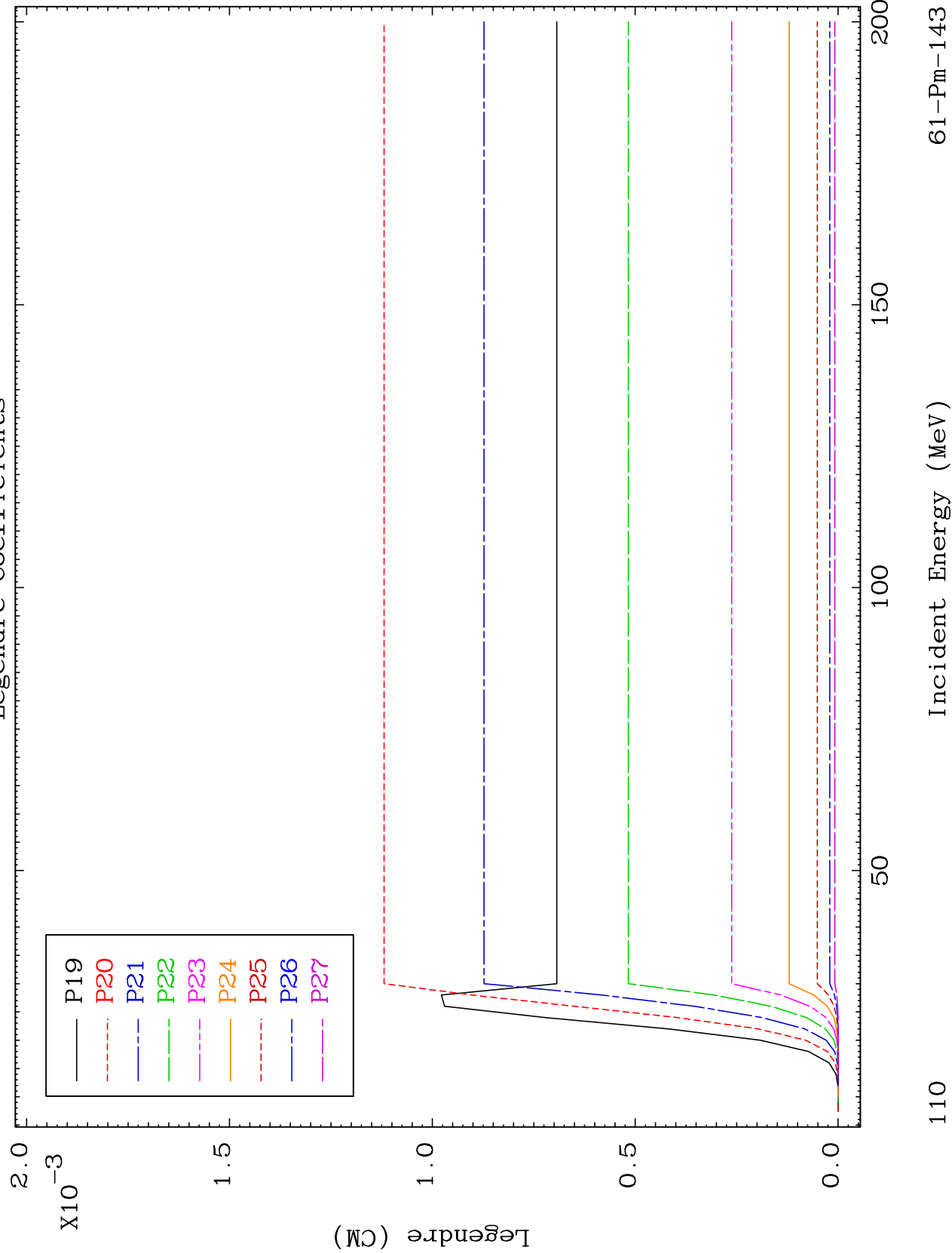
Incident Energy (MeV)

109

MAT 6137

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

61-Pm-143



61-Pm-143

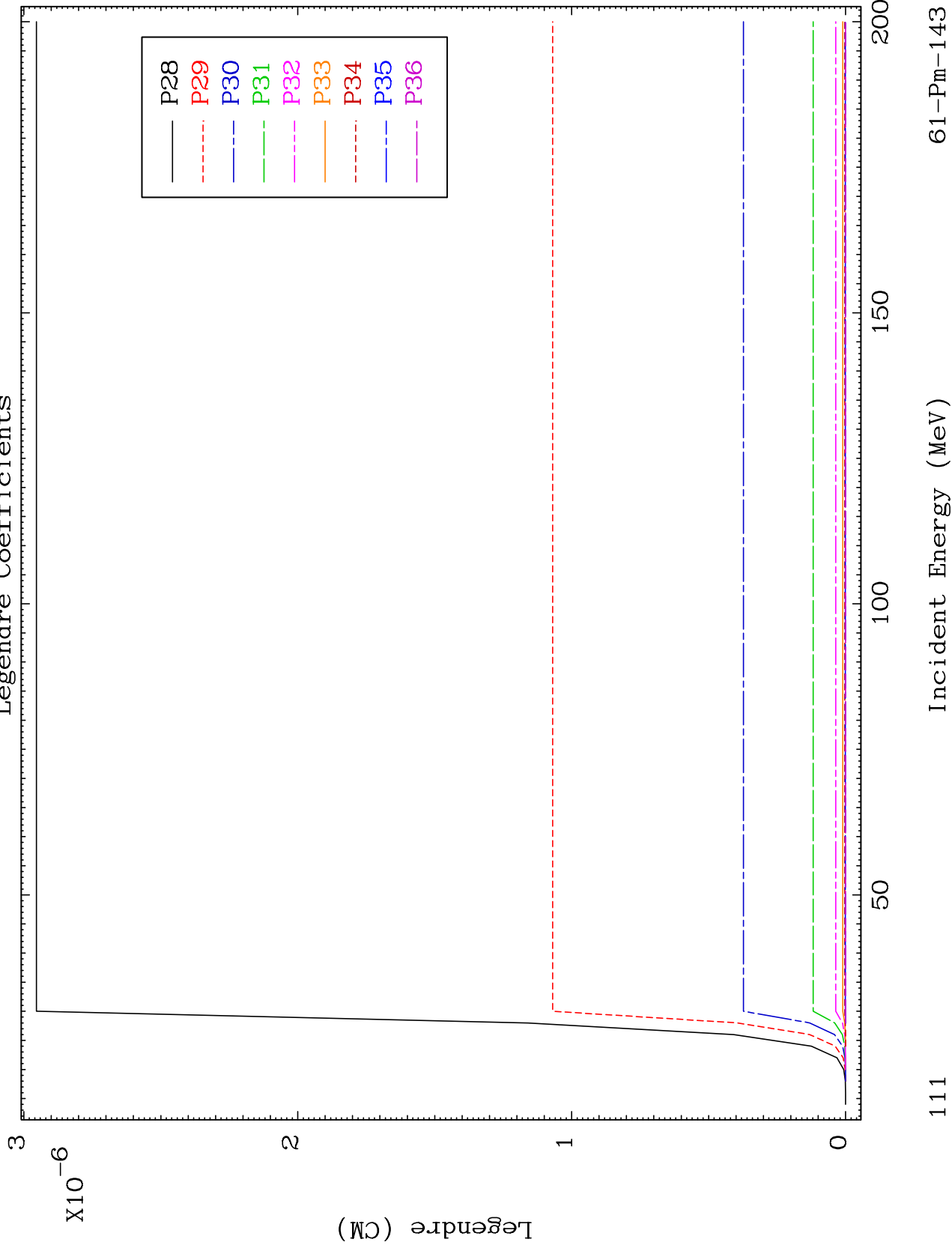
Incident Energy (MeV)

110

MAT 6137

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

61-Pm-143



111

Incident Energy (MeV)

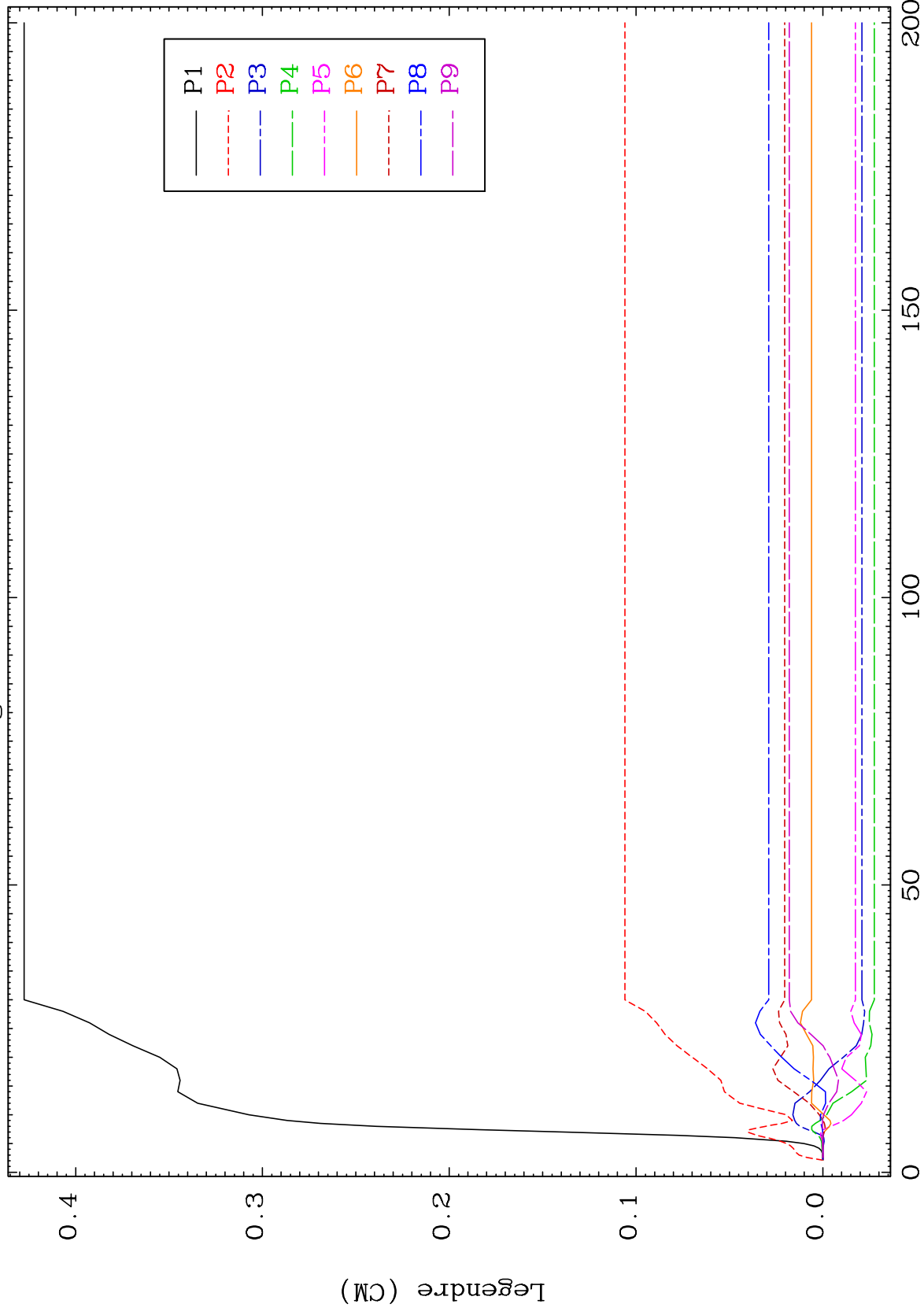
61-Pm-143



MAT 6137

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

61-Pm-143



112

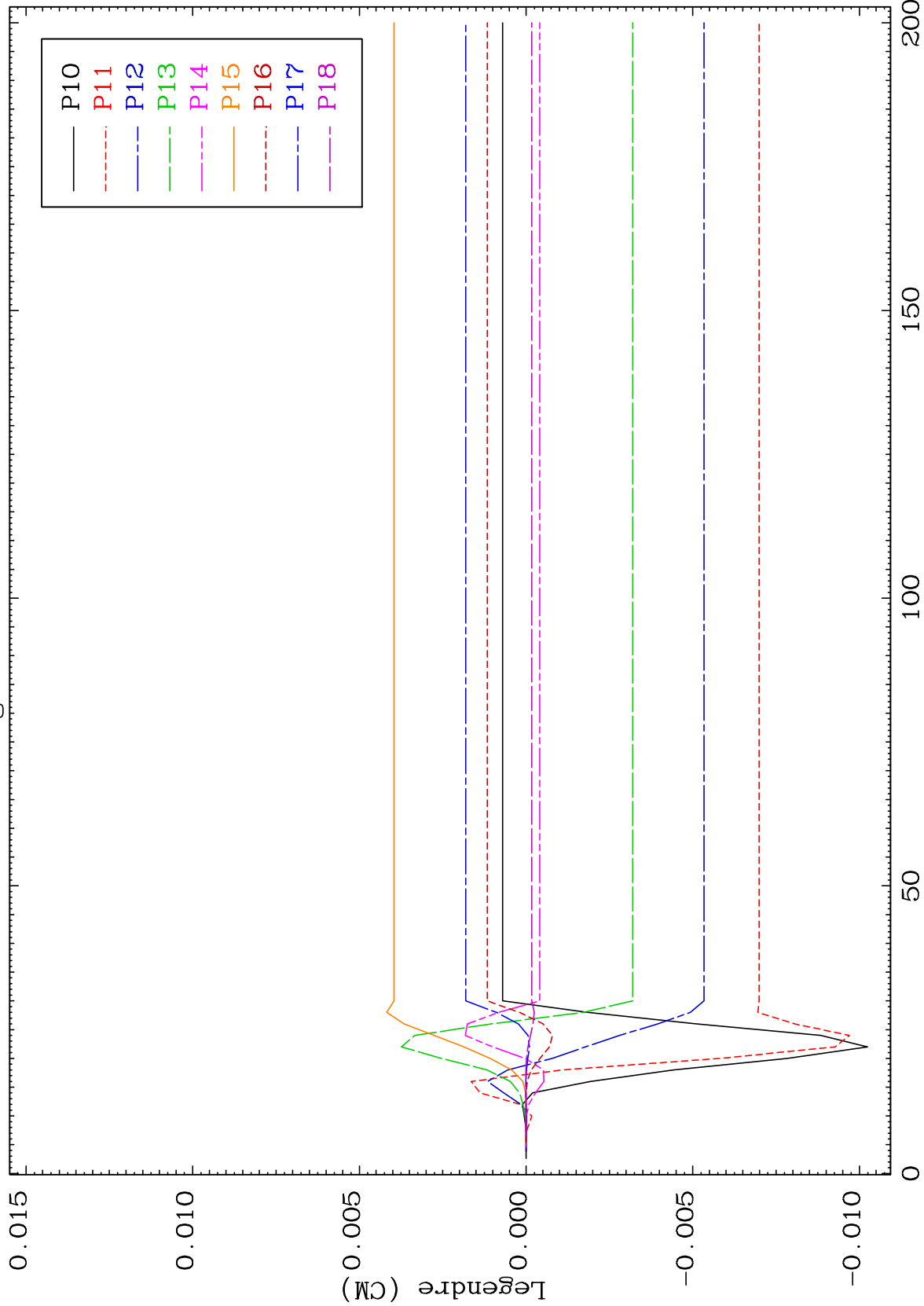
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



113

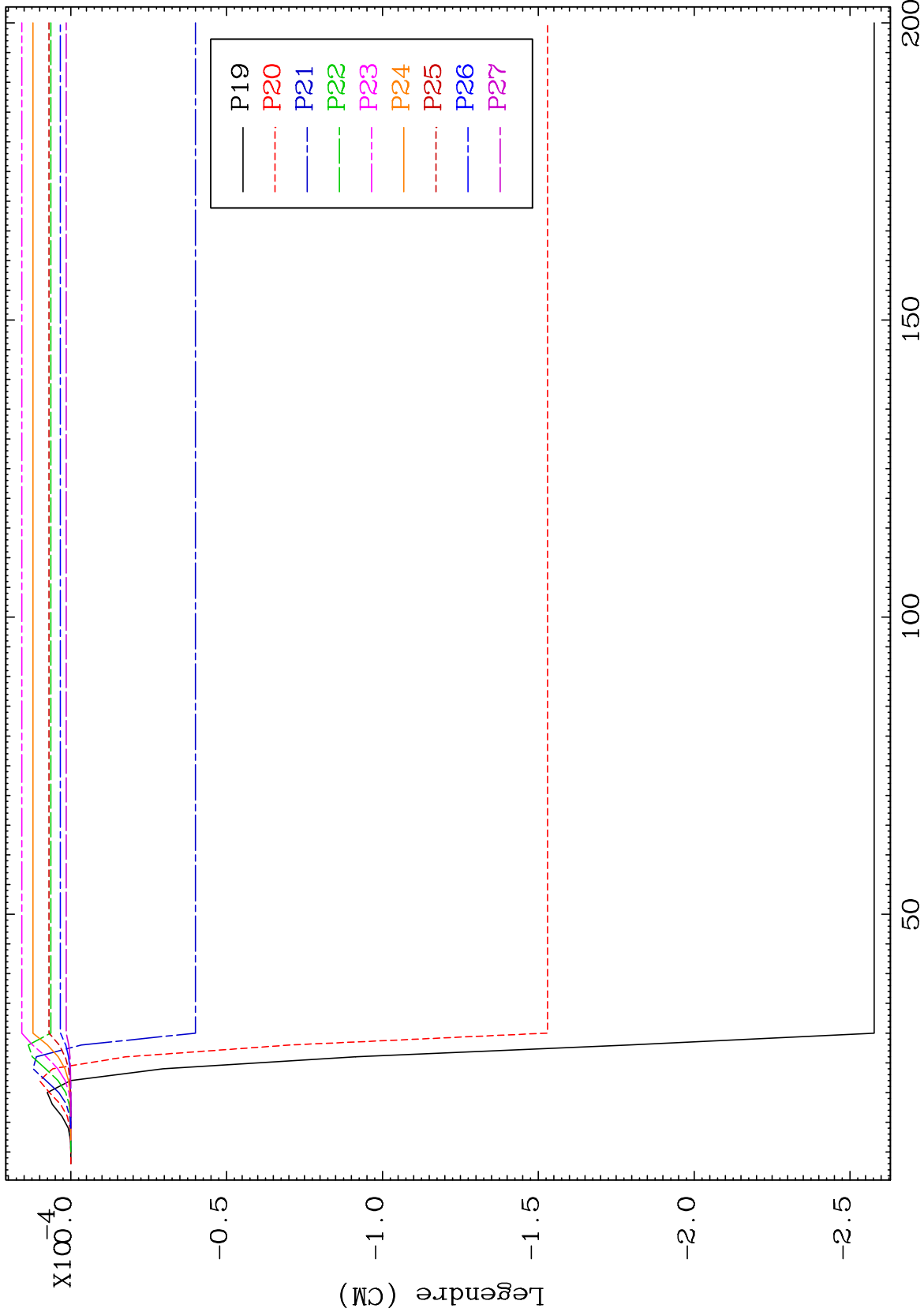
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



114

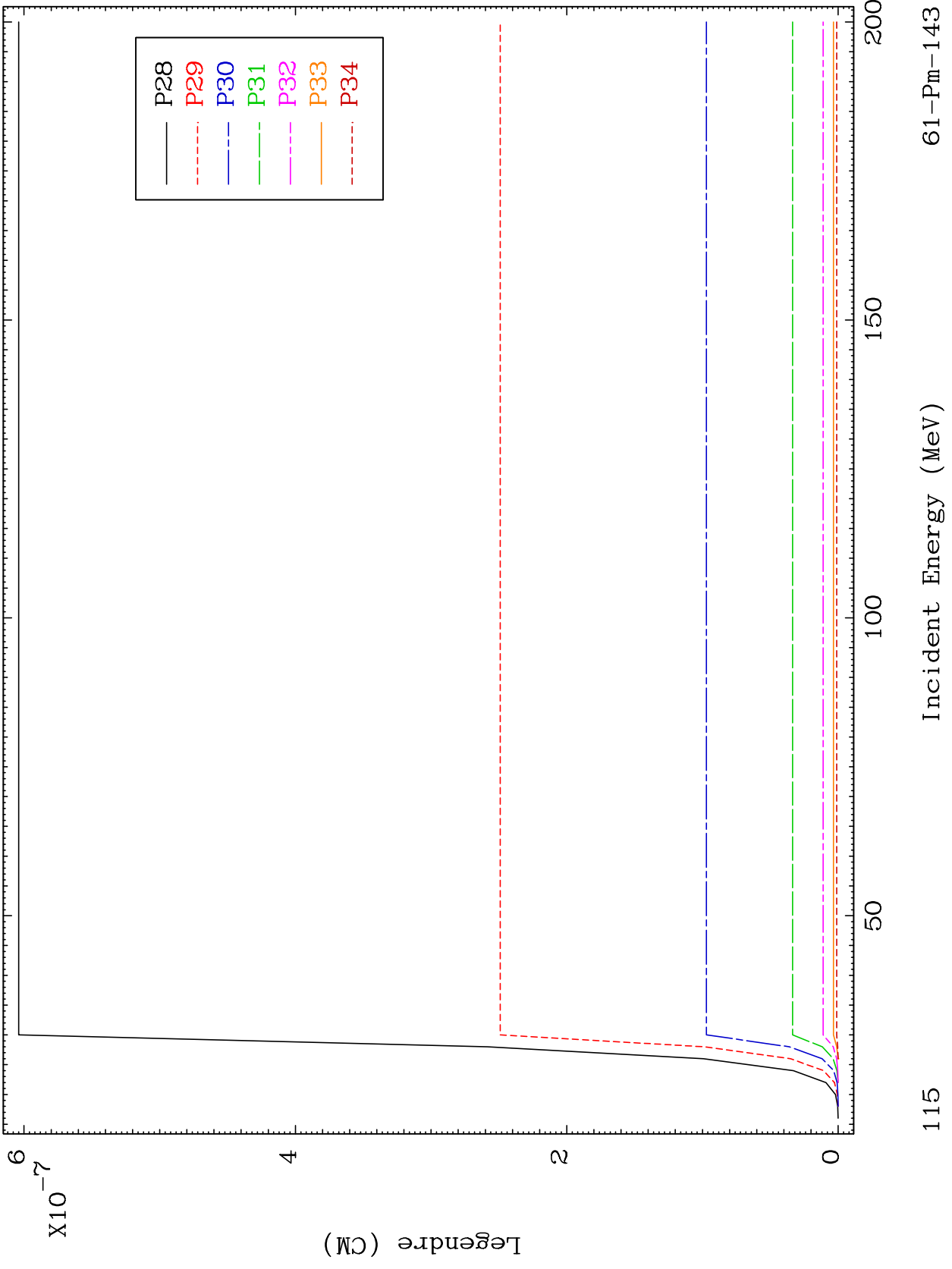
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



61-Pm-143

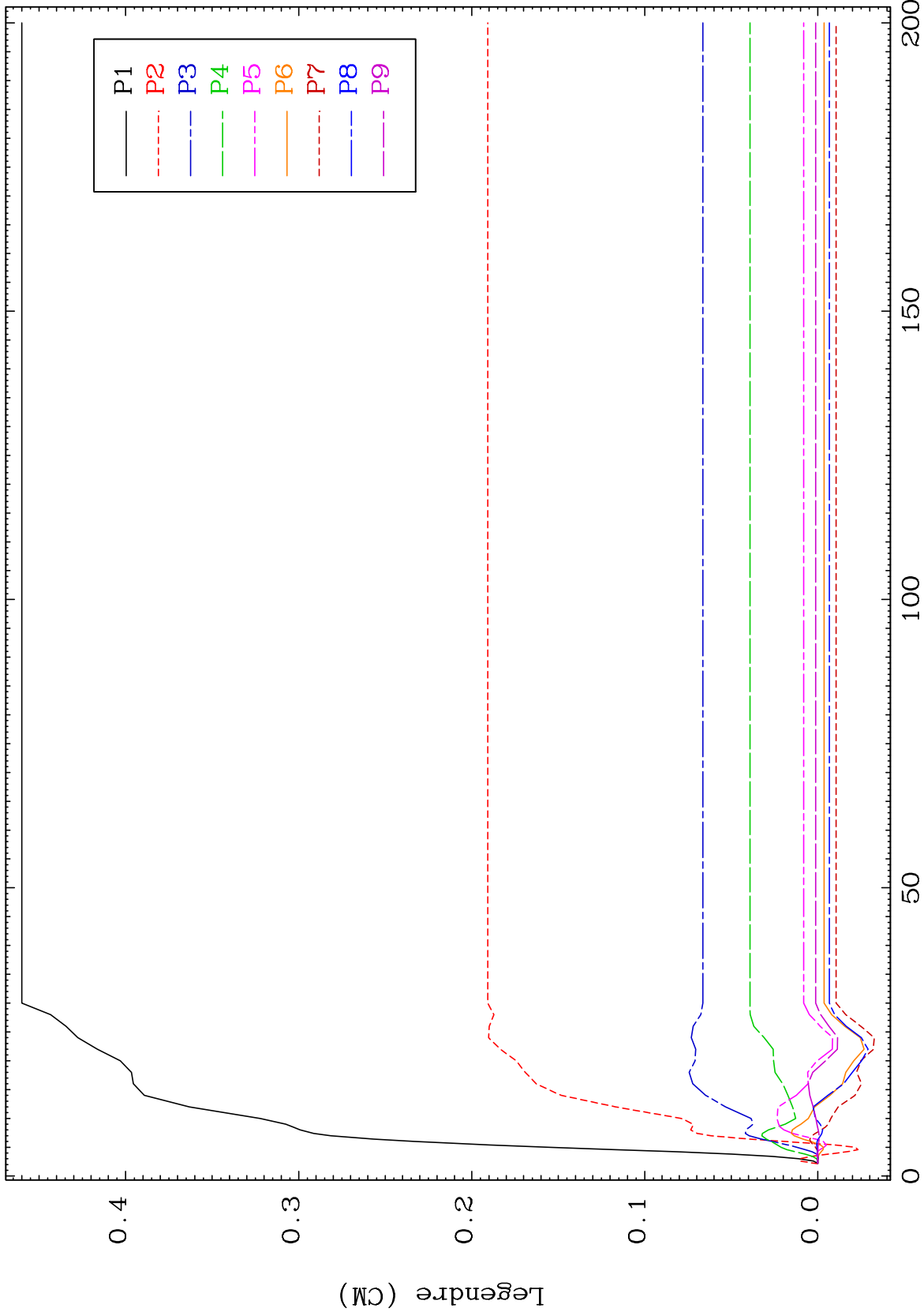
Incident Energy (MeV)

115

MAT 6137

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

61-Pm-143



61-Pm-143

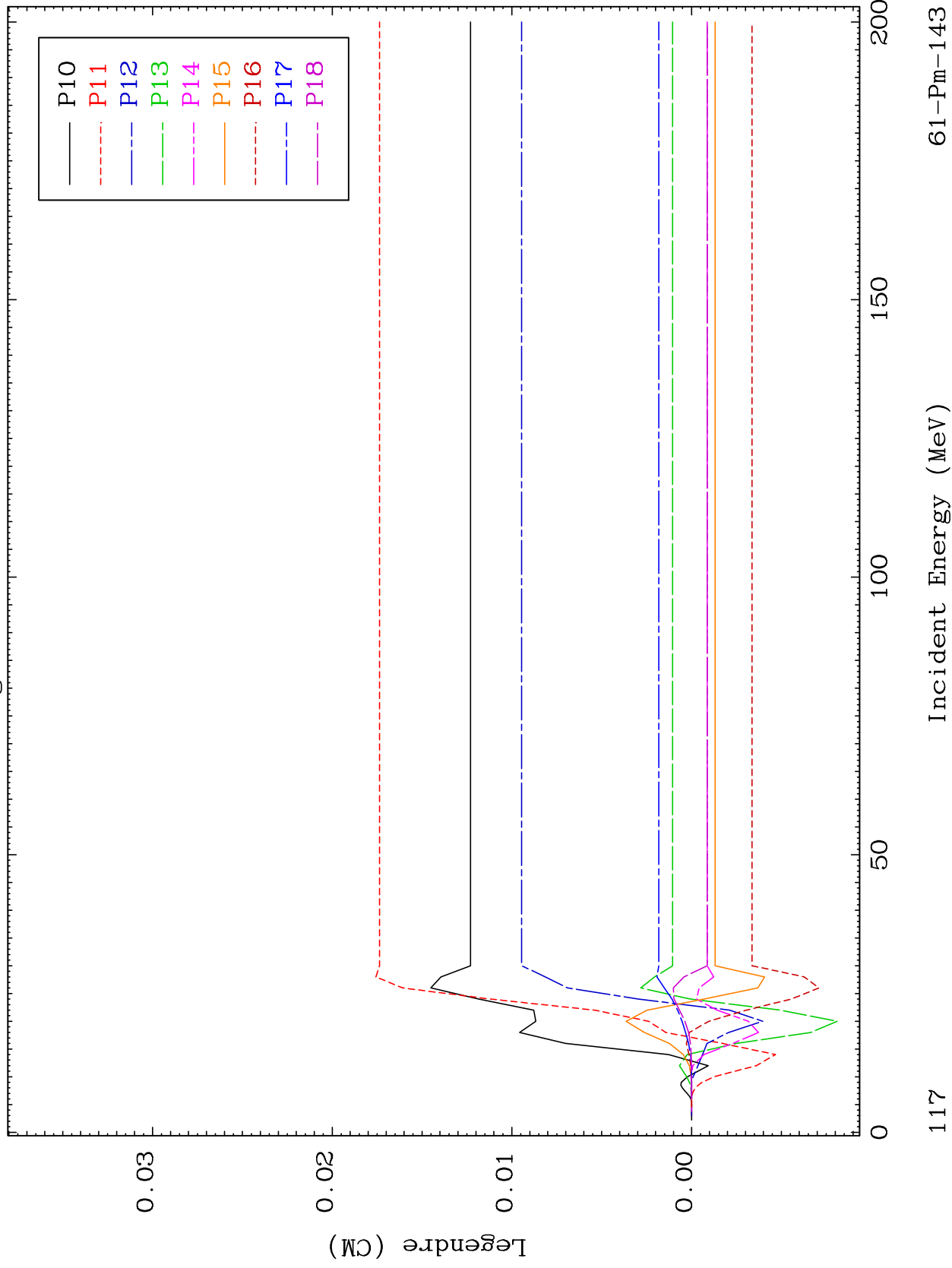
Incident Energy (MeV)

116

MAT 6137

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

61-Pm-143



117

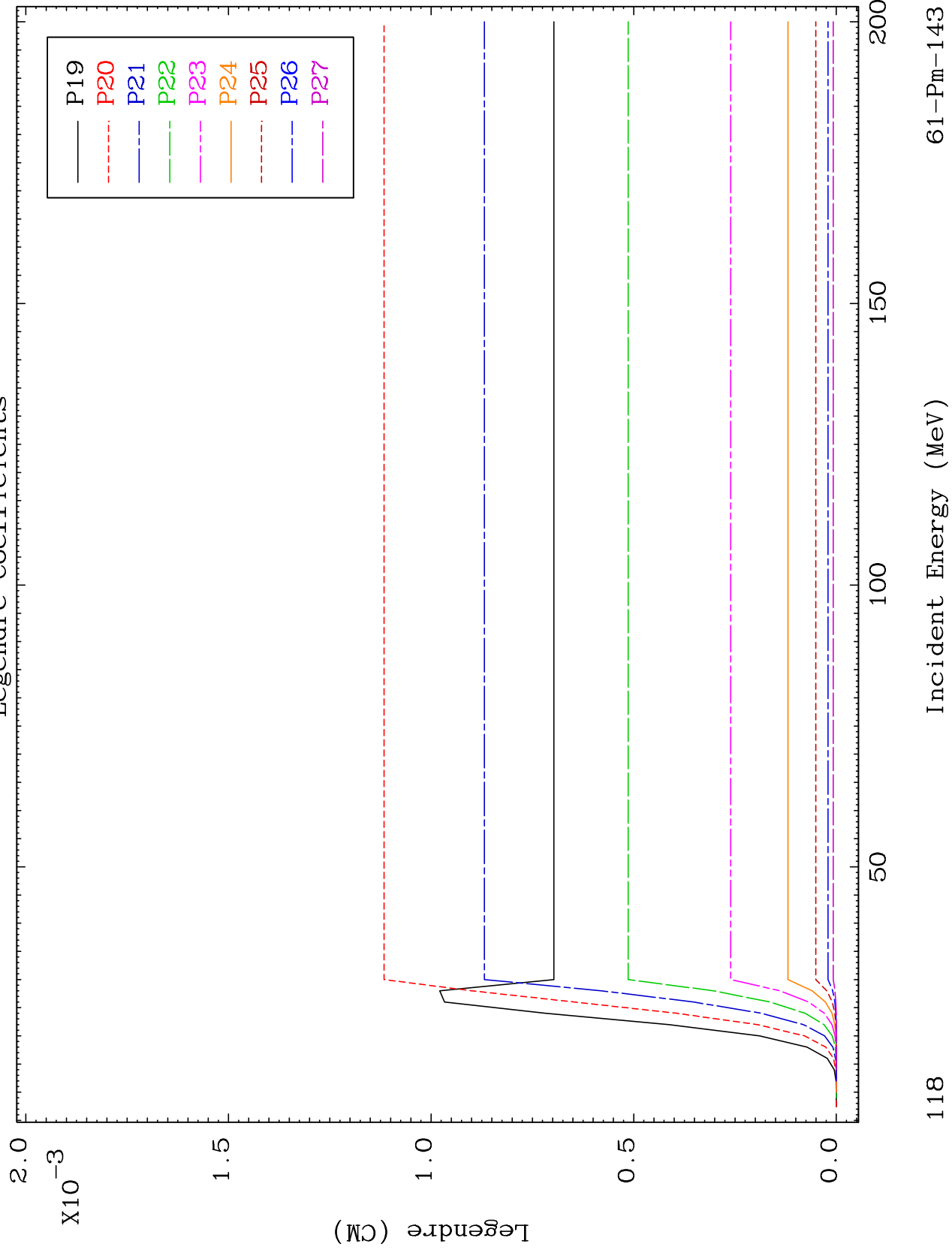
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



118

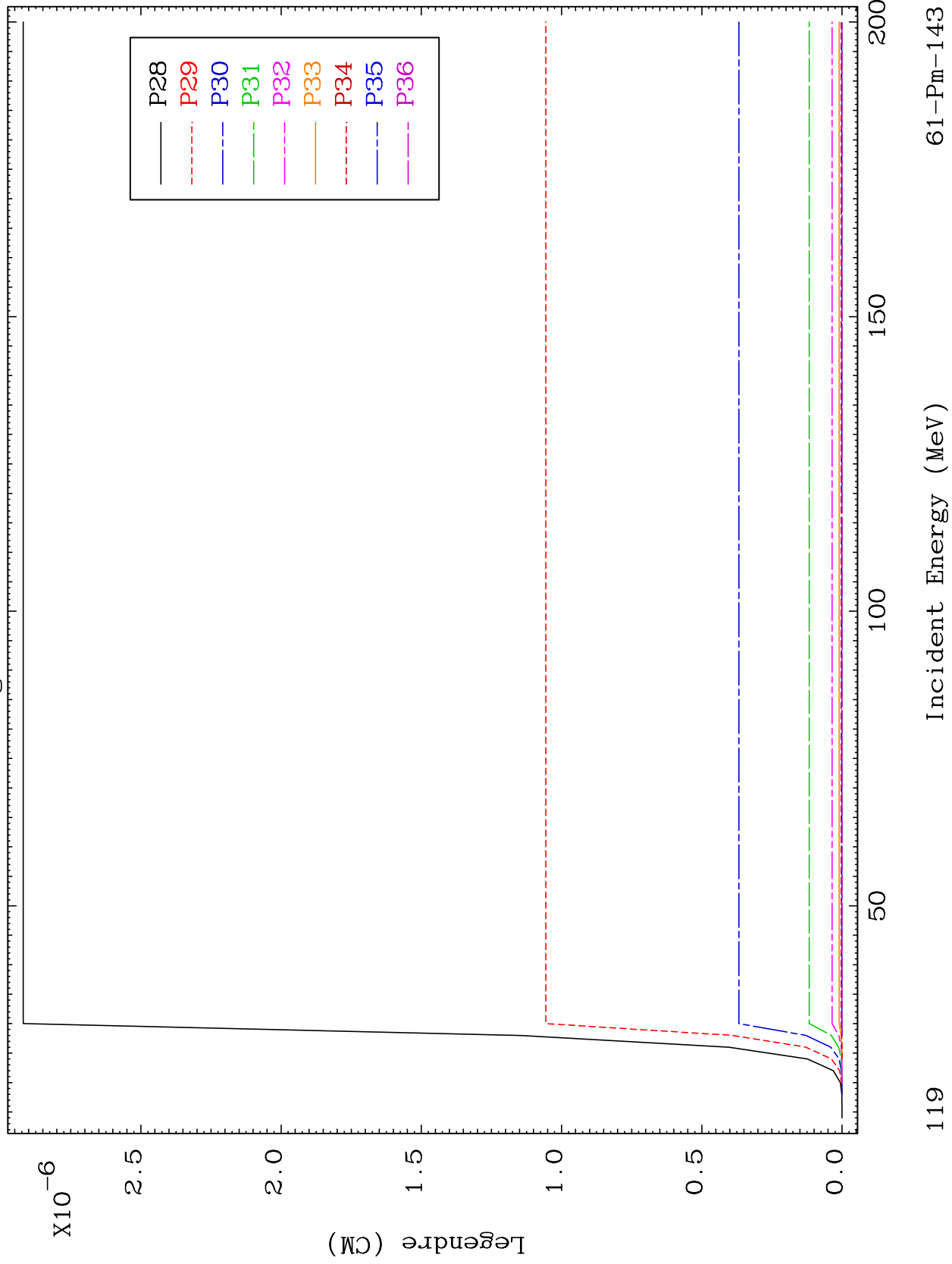
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



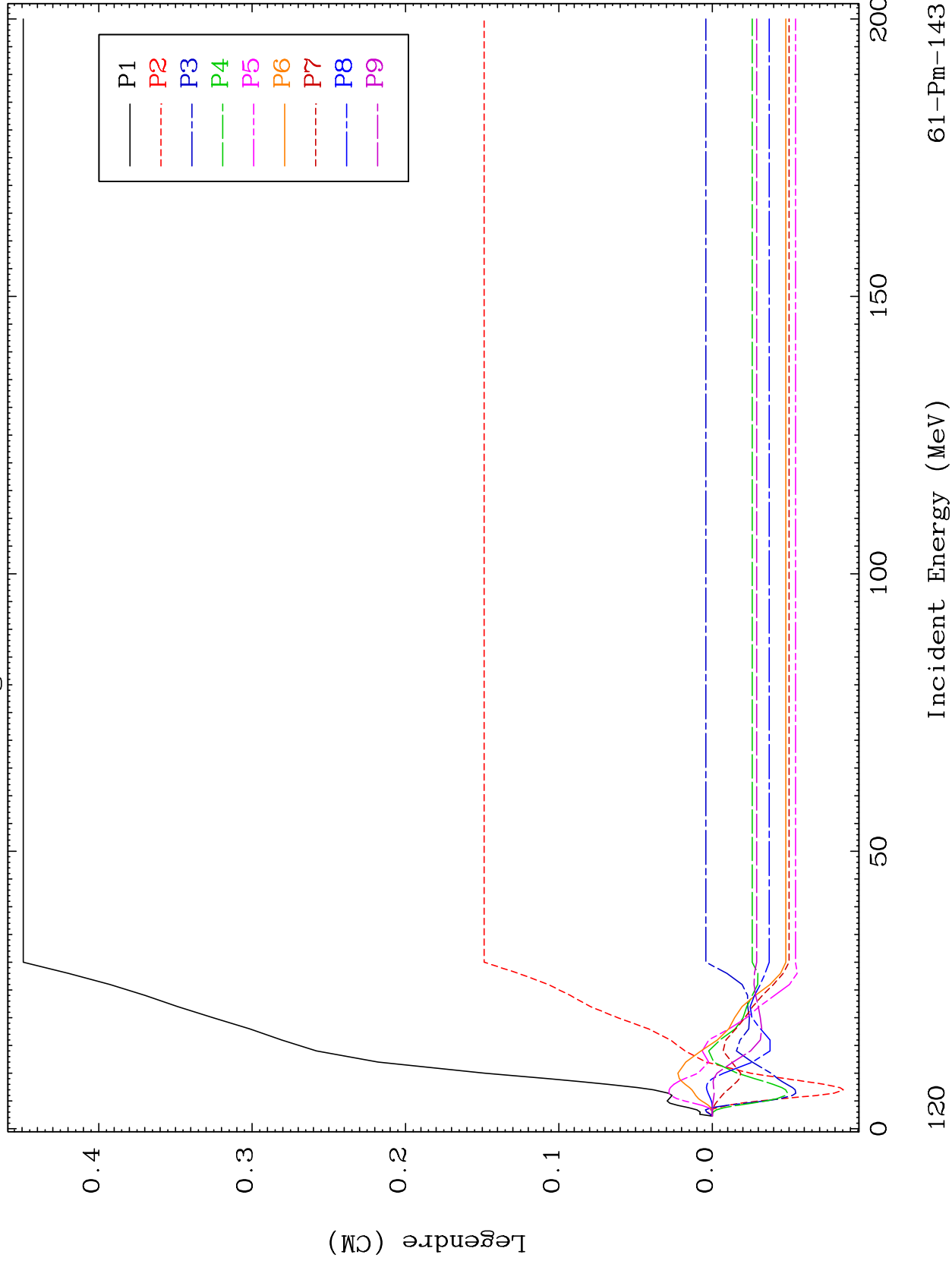
119



MAT 6137

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

61-Pm-143



61-Pm-143

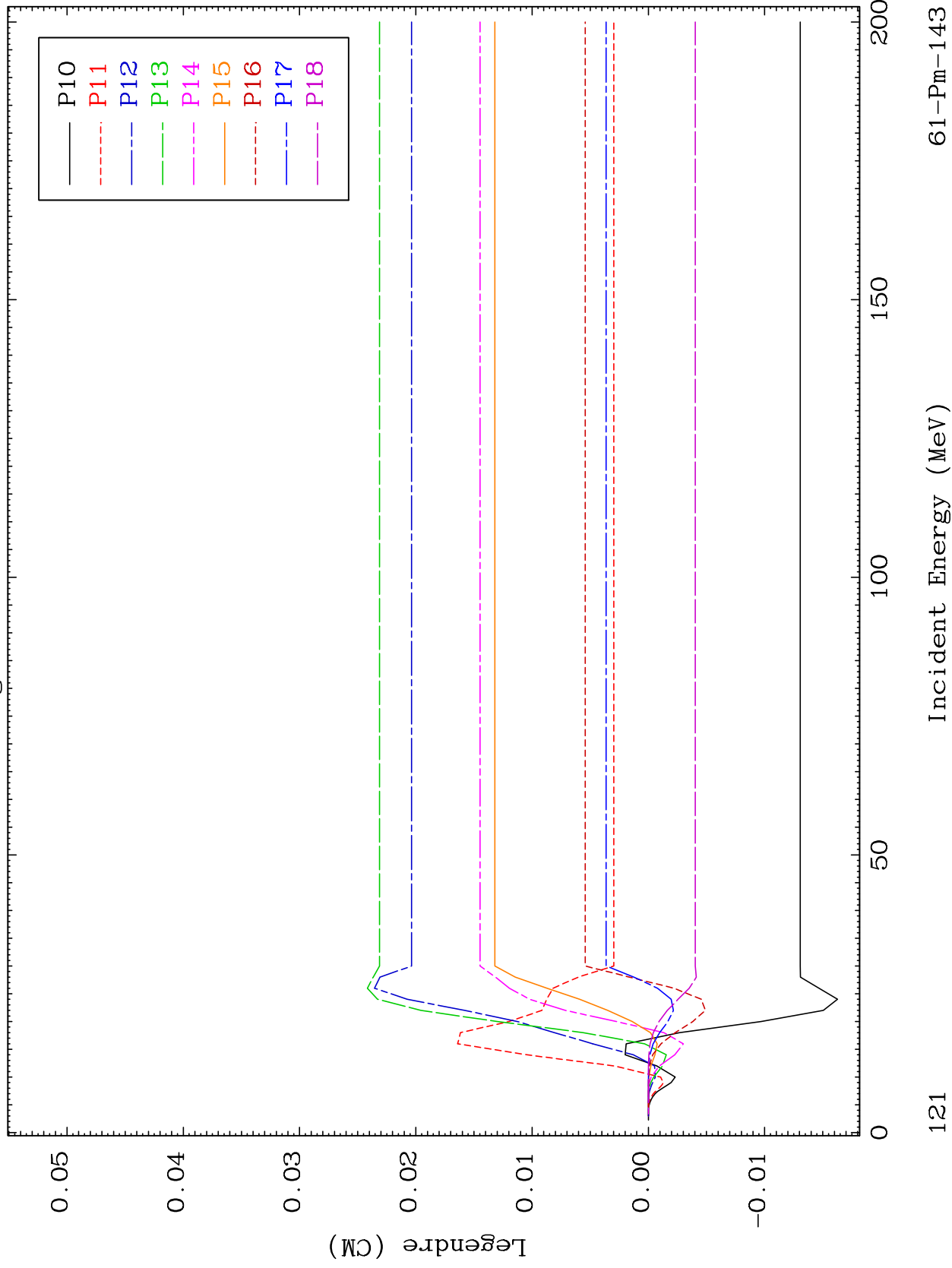
Incident Energy (MeV)

0

MAT 6137

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

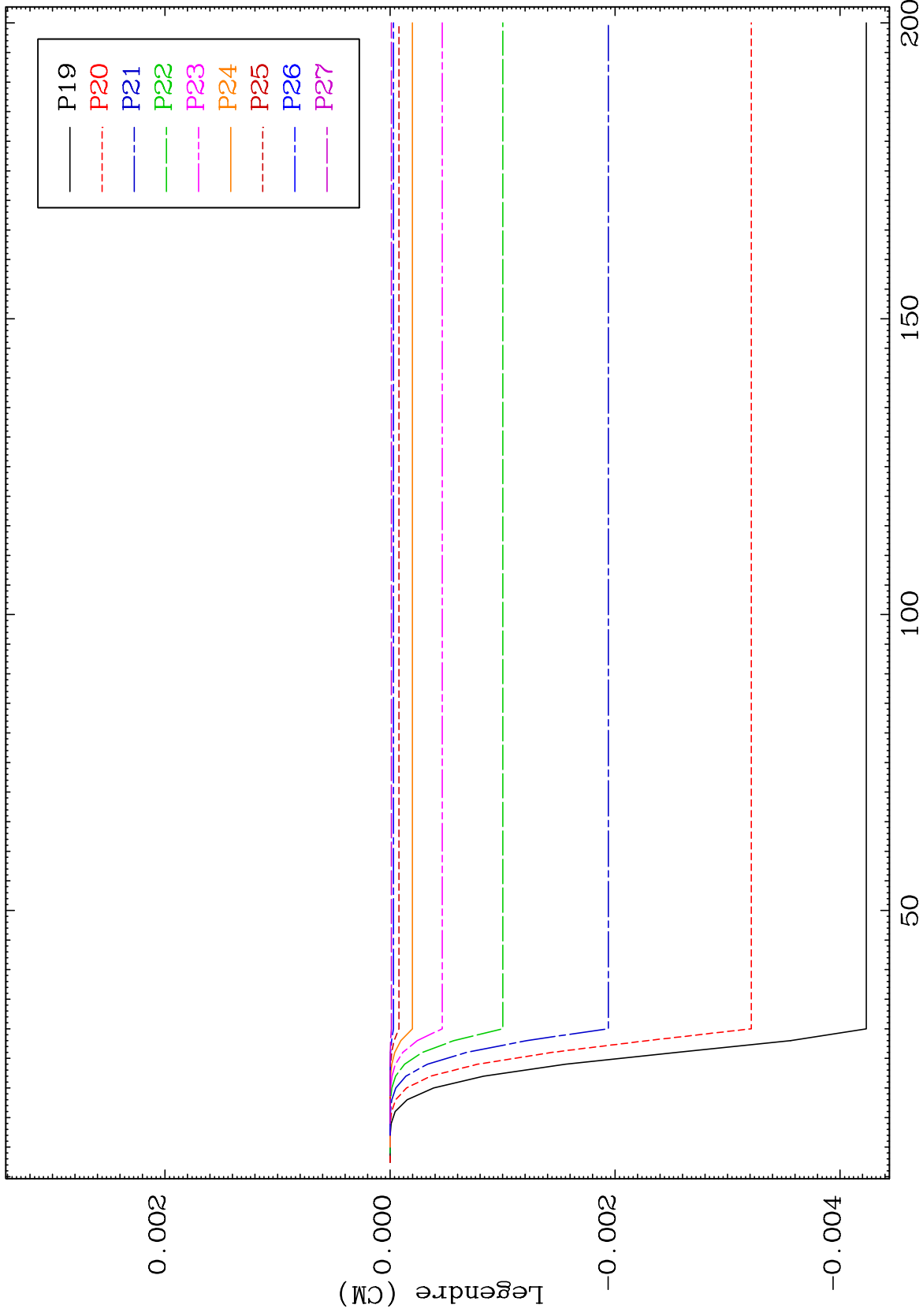
61-Pm-143



MAT 6137

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

61-Pm-143



122

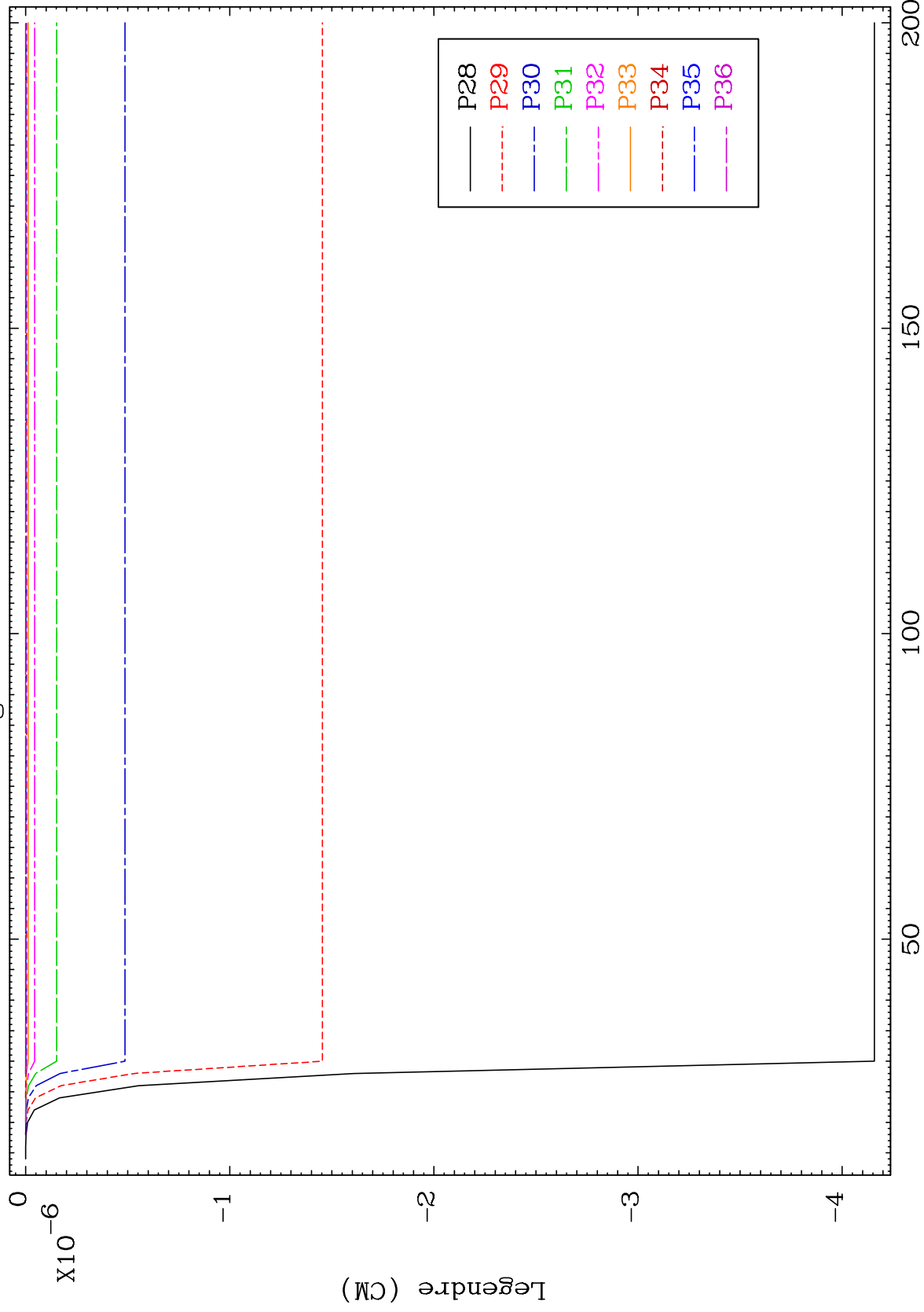
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



123

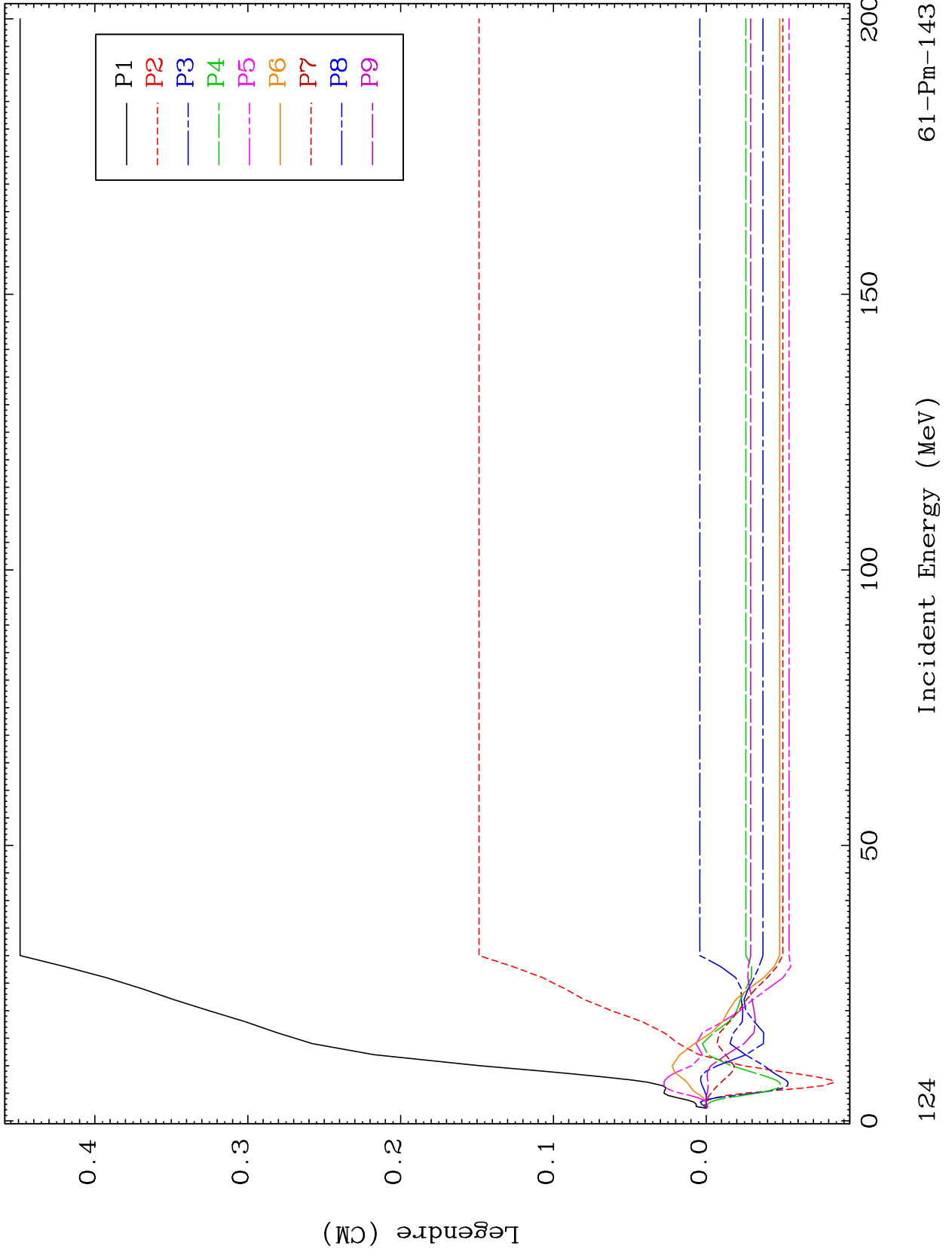
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



61-Pm-143

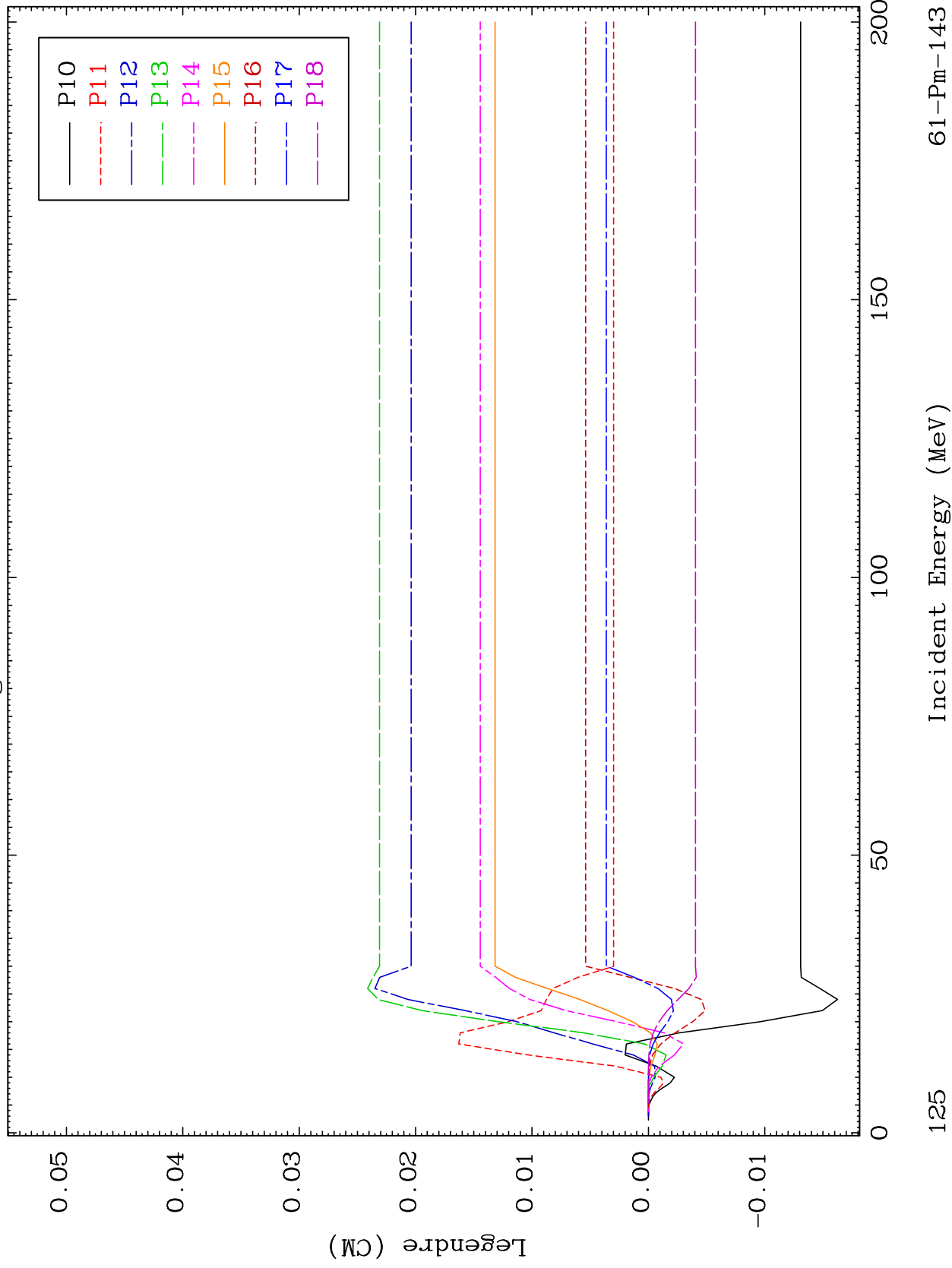
Incident Energy (MeV)

124

MAT 6137

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

61-Pm-143



61-Pm-143

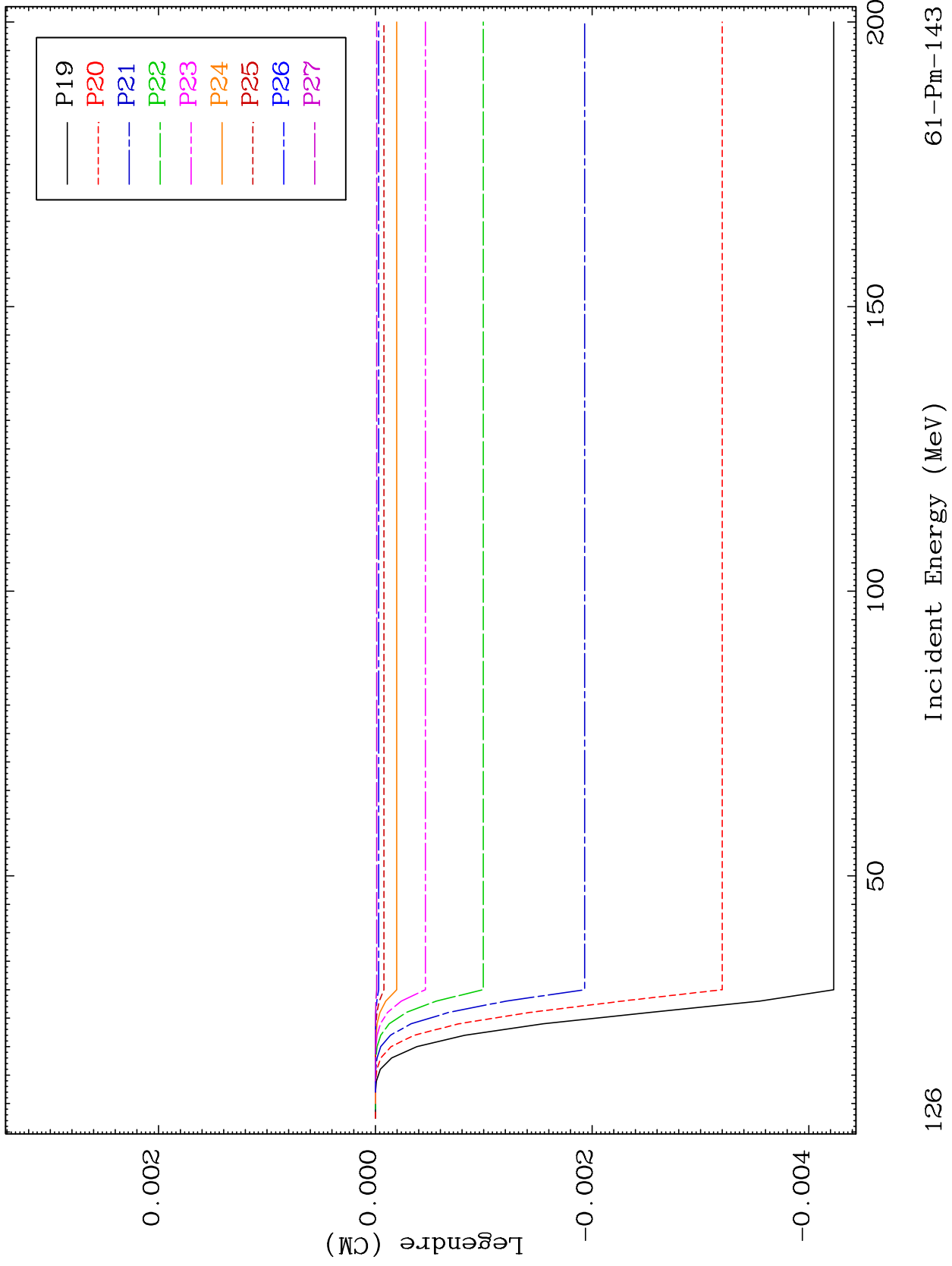
Incident Energy (MeV)

125

MAT 6137

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

61-Pm-143



126

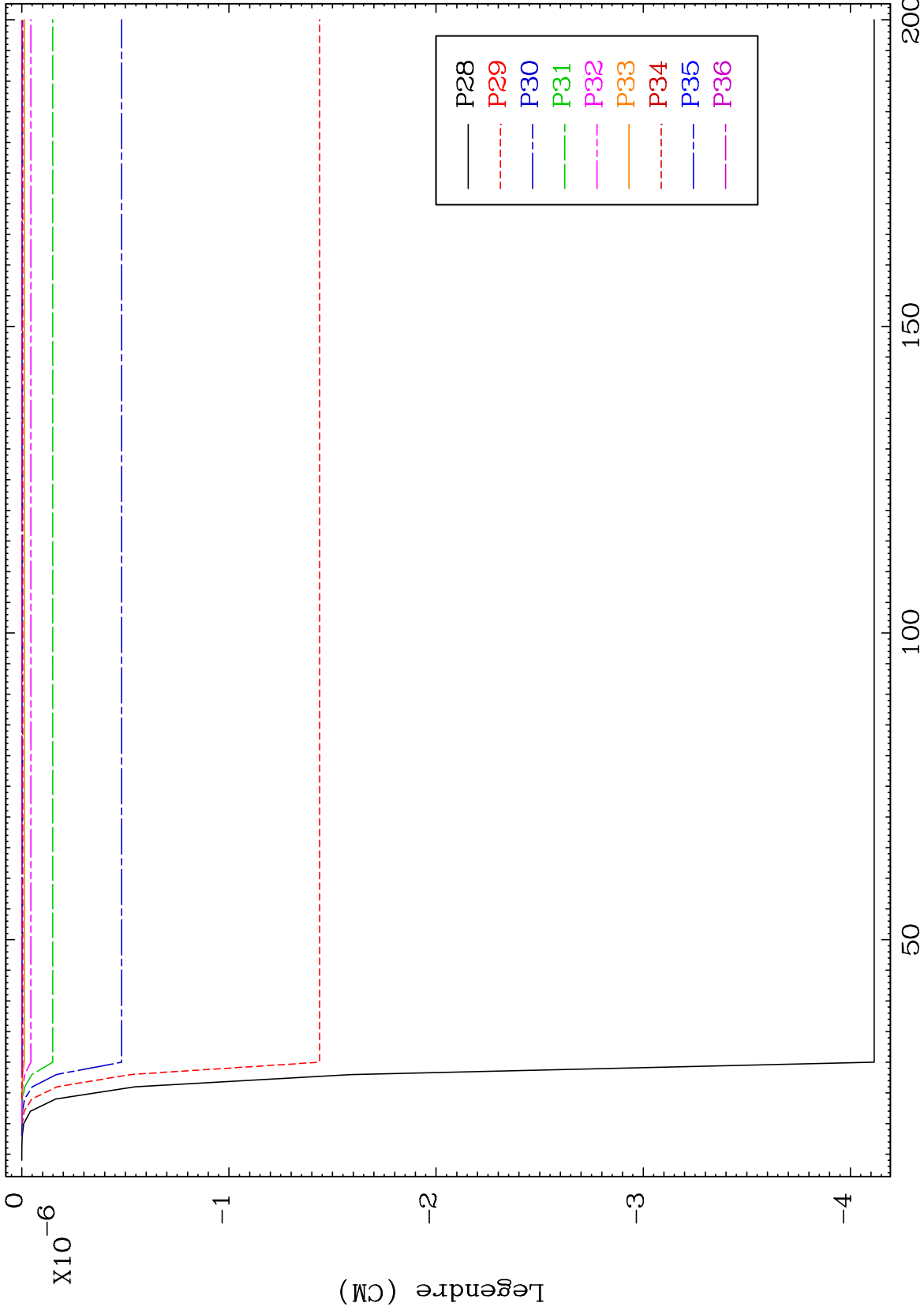
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



127

Incident Energy (MeV)

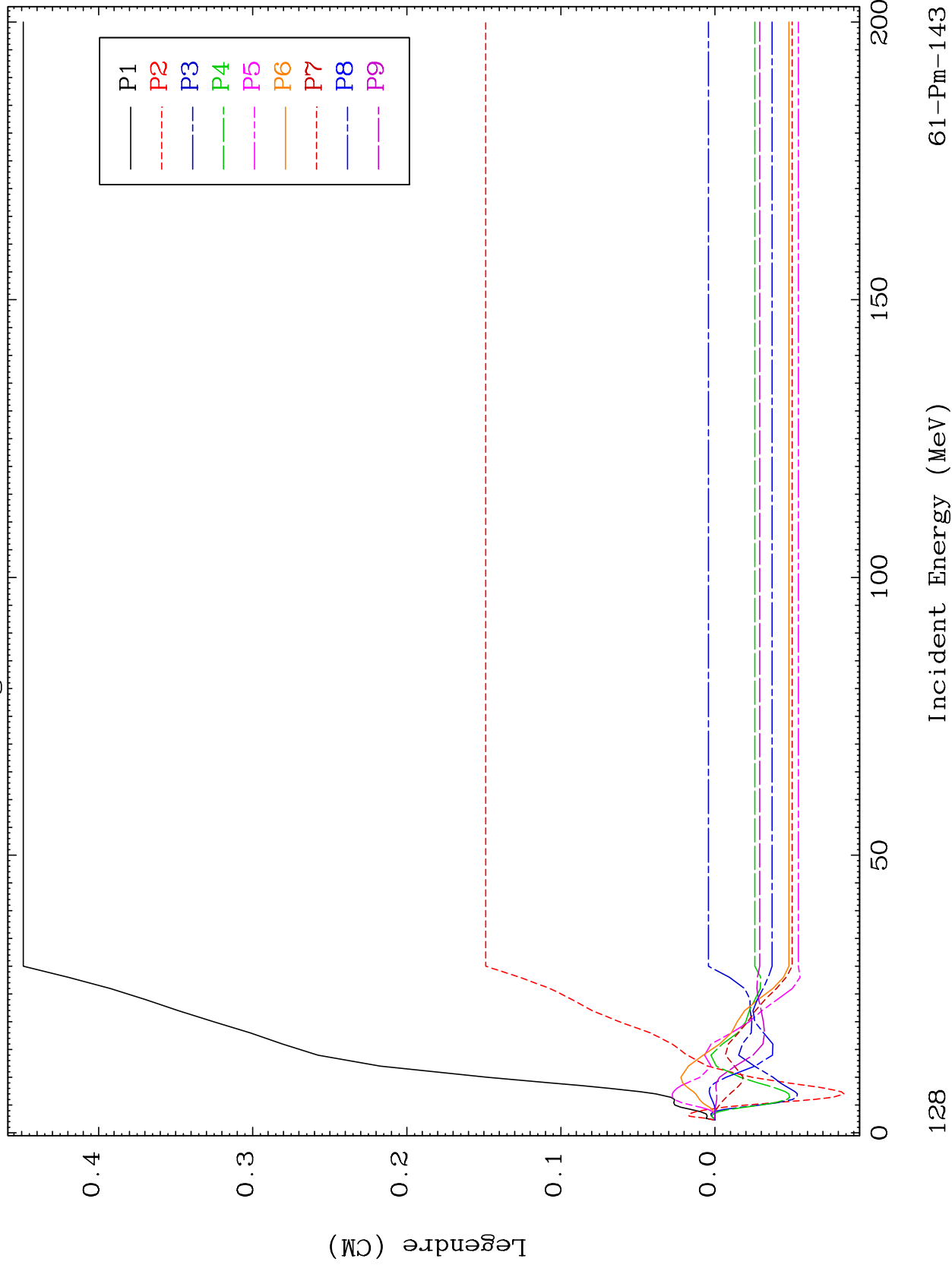
61-Pm-143



MAT 6137

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

61-Pm-143



61-Pm-143

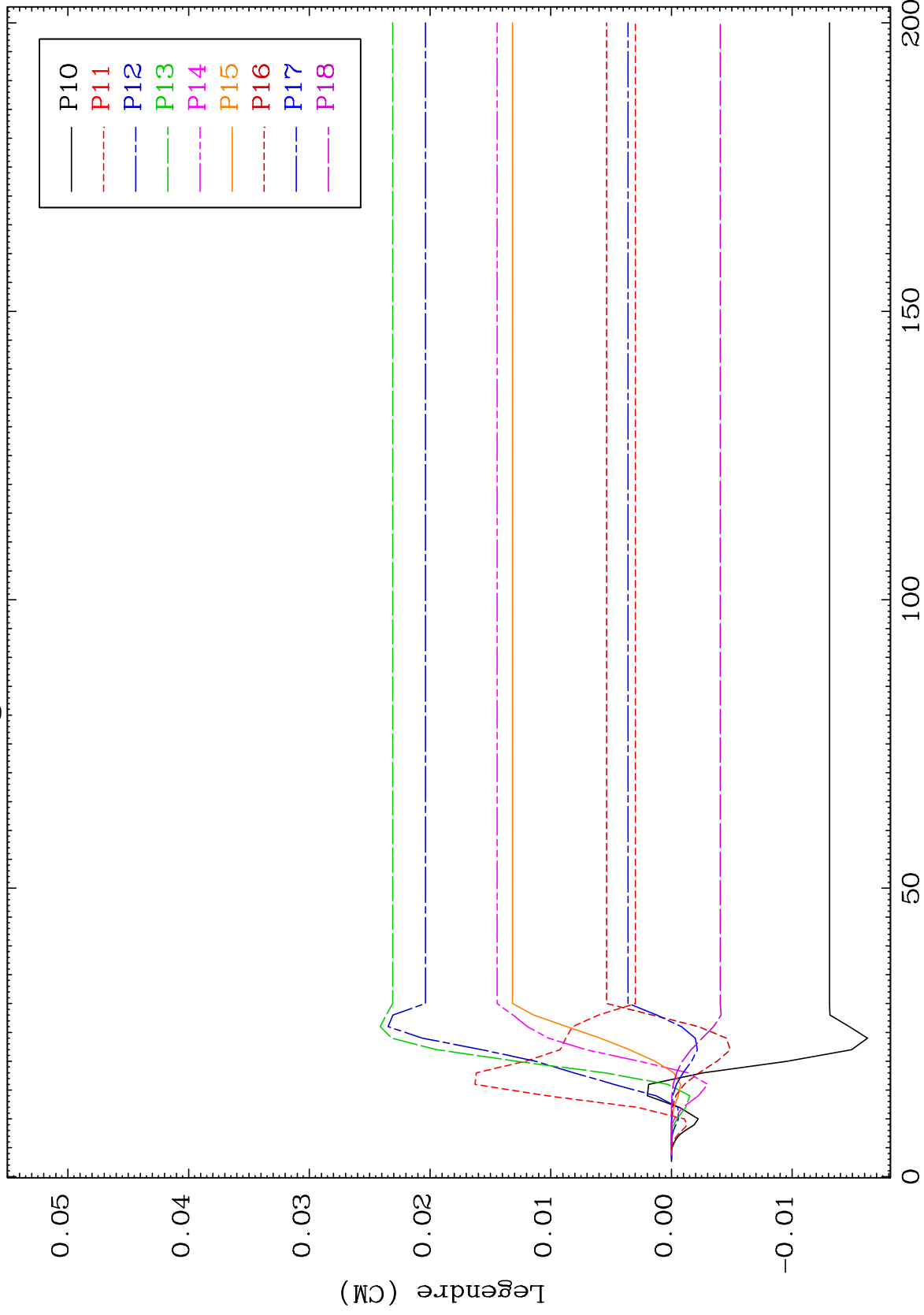
Incident Energy (MeV)

128

MAT 6137

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

61-Pm-143



129

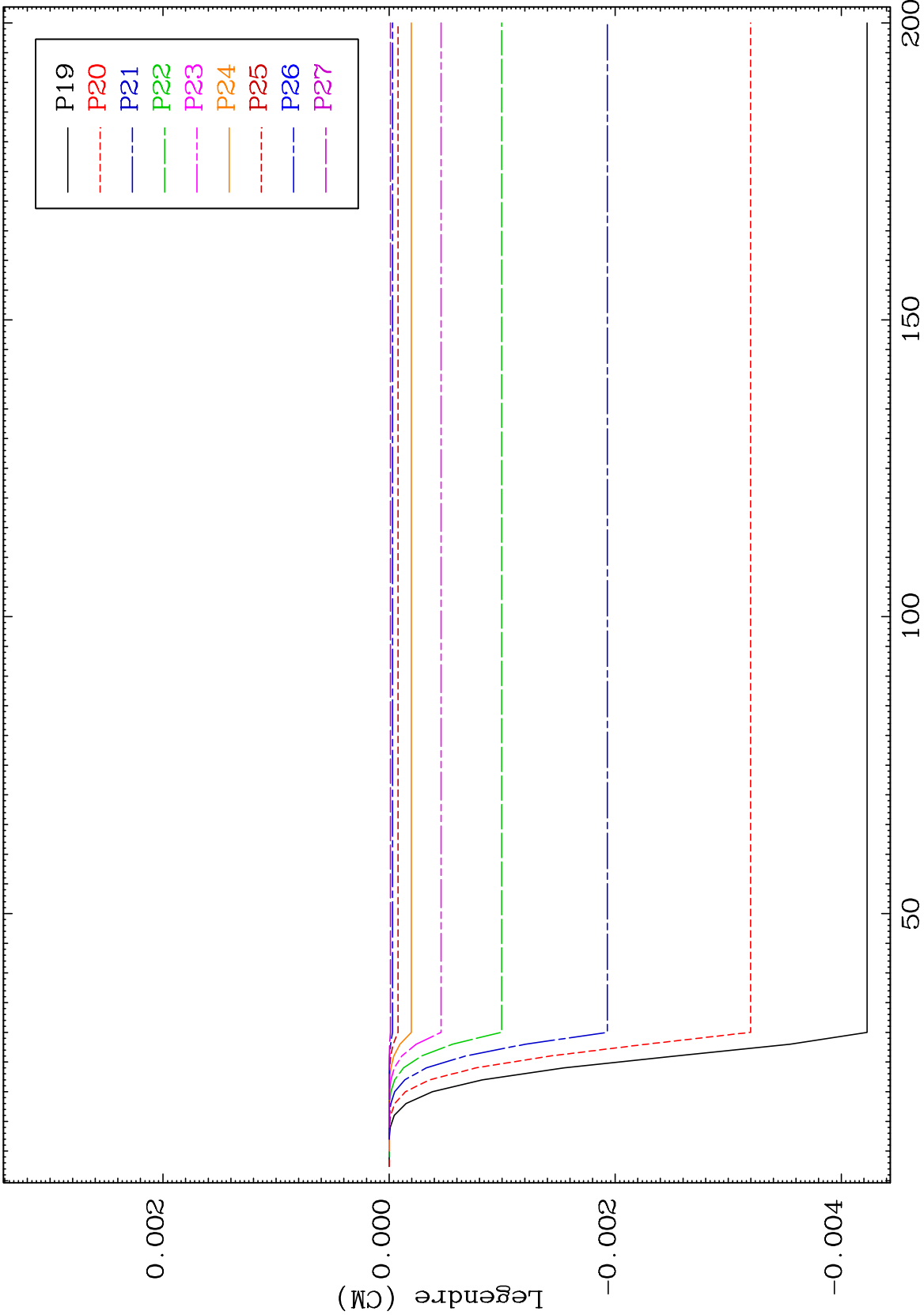
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



130

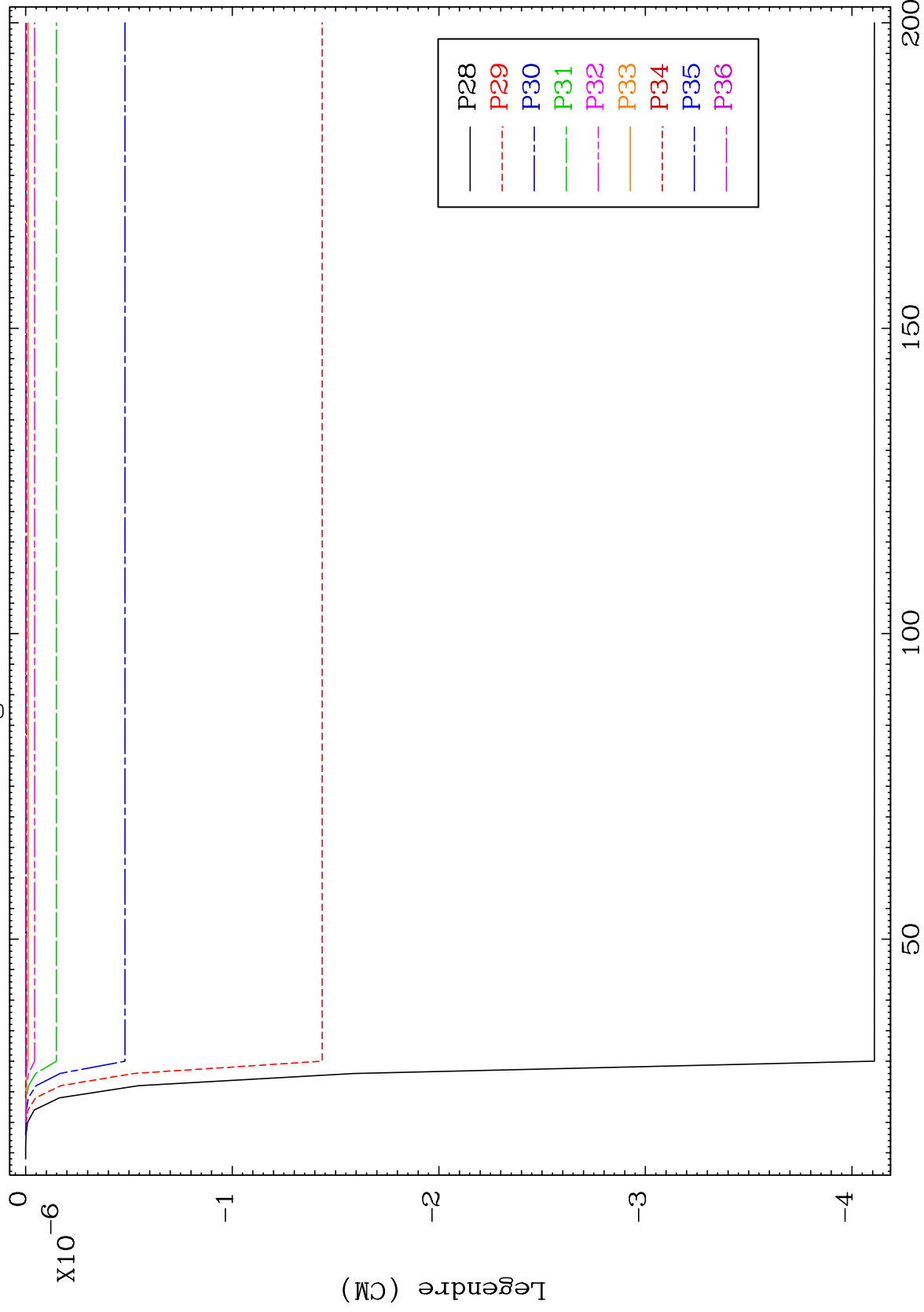
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



131

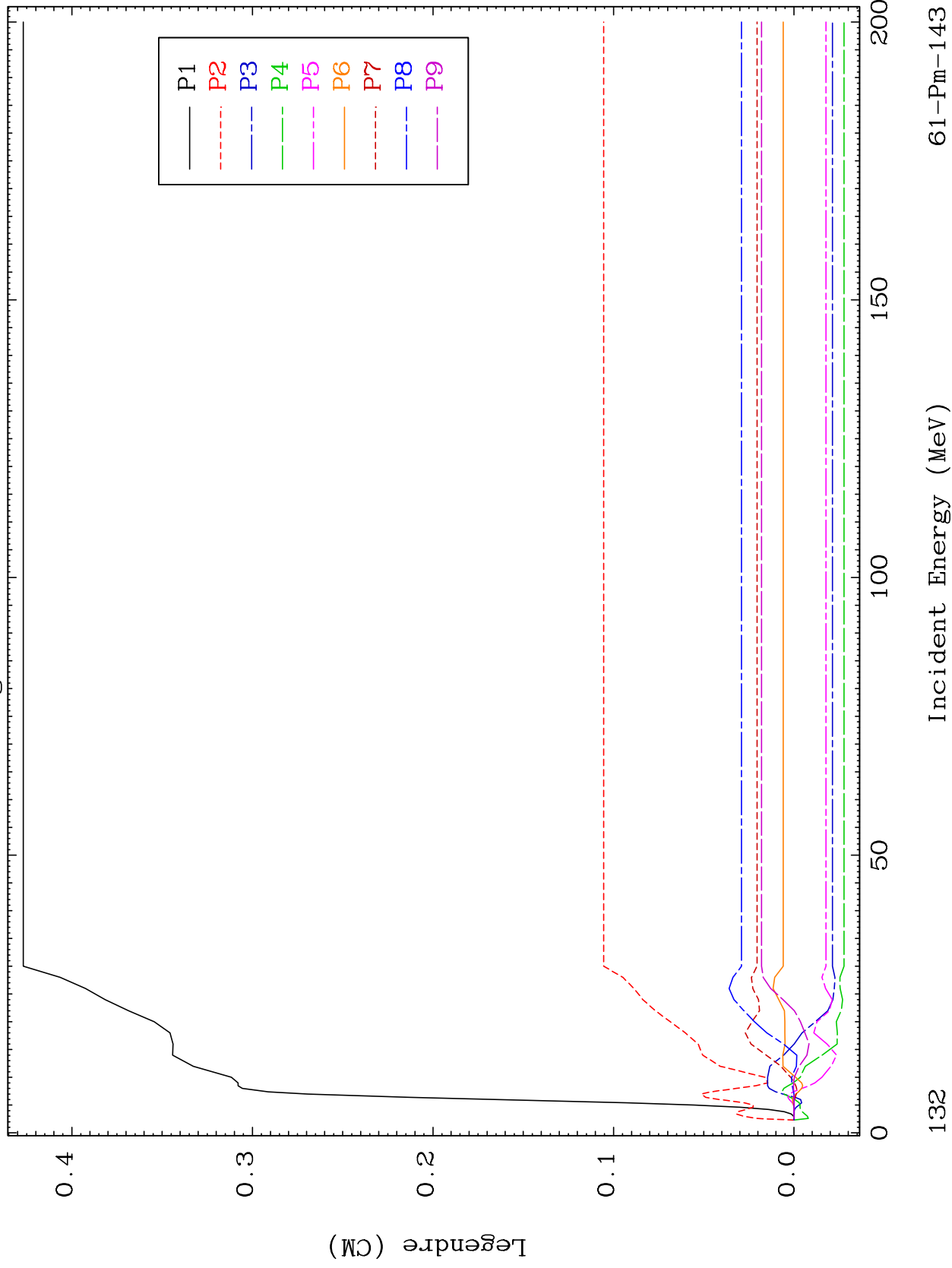
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



61-Pm-143

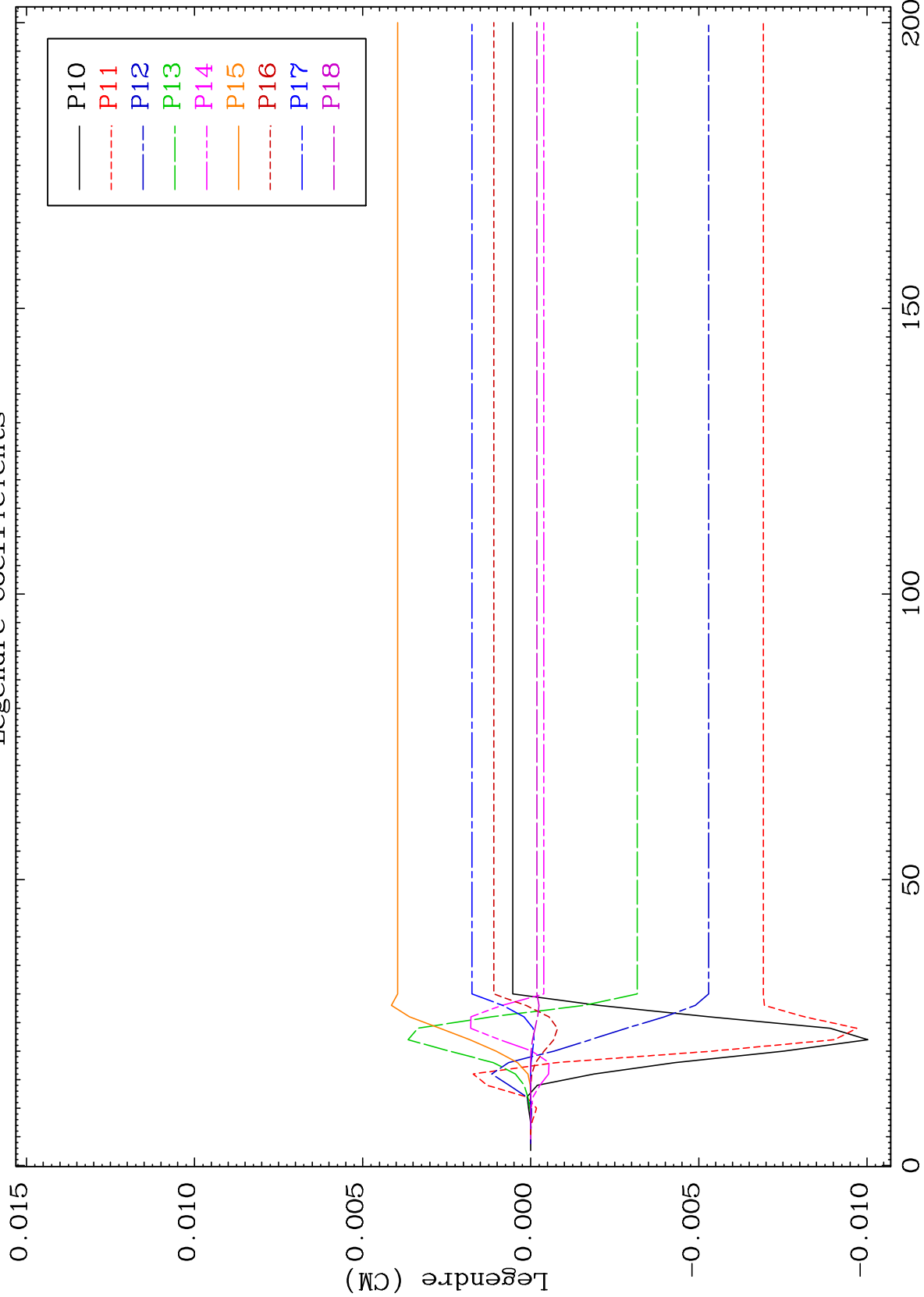
Incident Energy (MeV)

132

MAT 6137

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

61-Pm-143



133

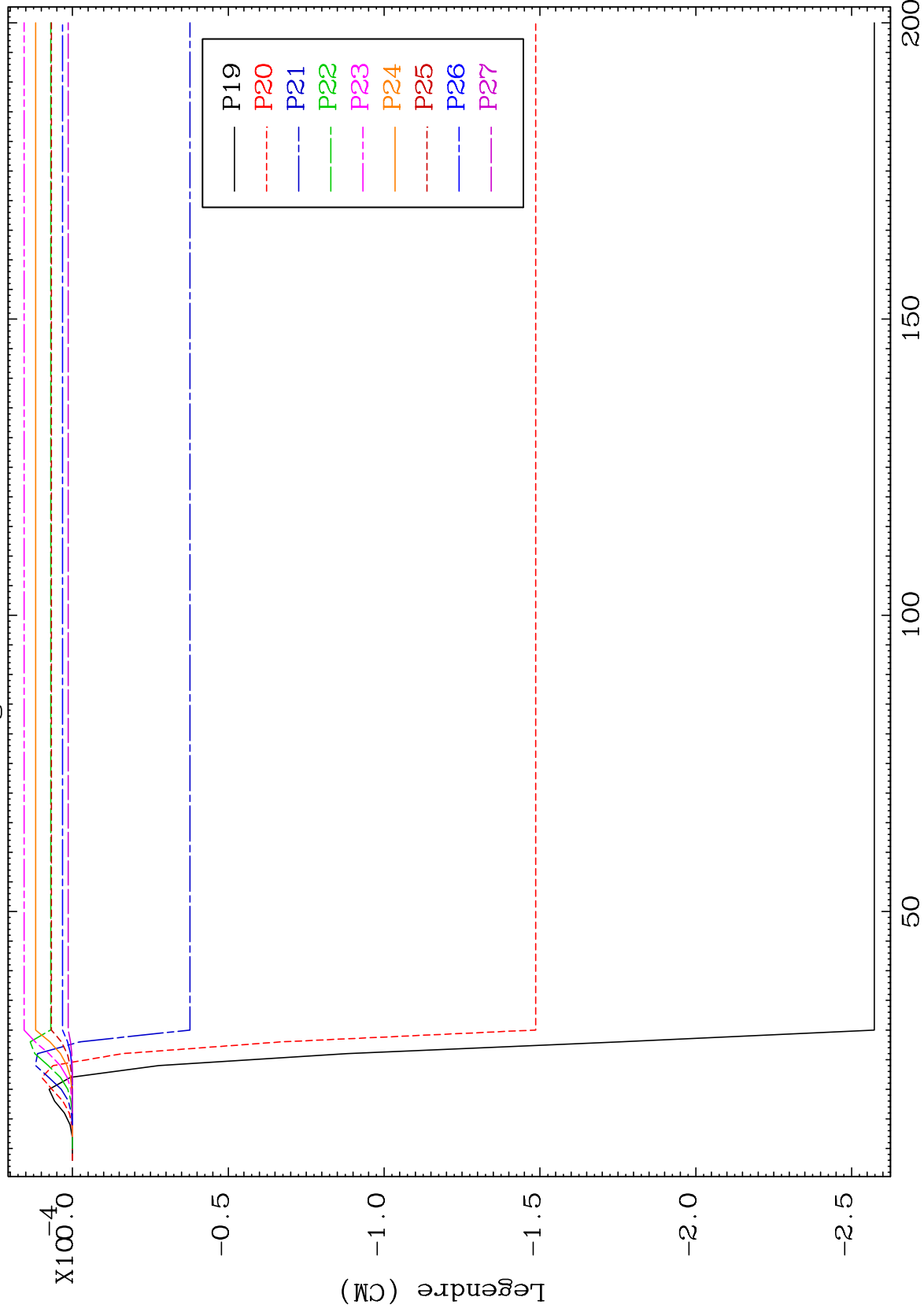
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



134

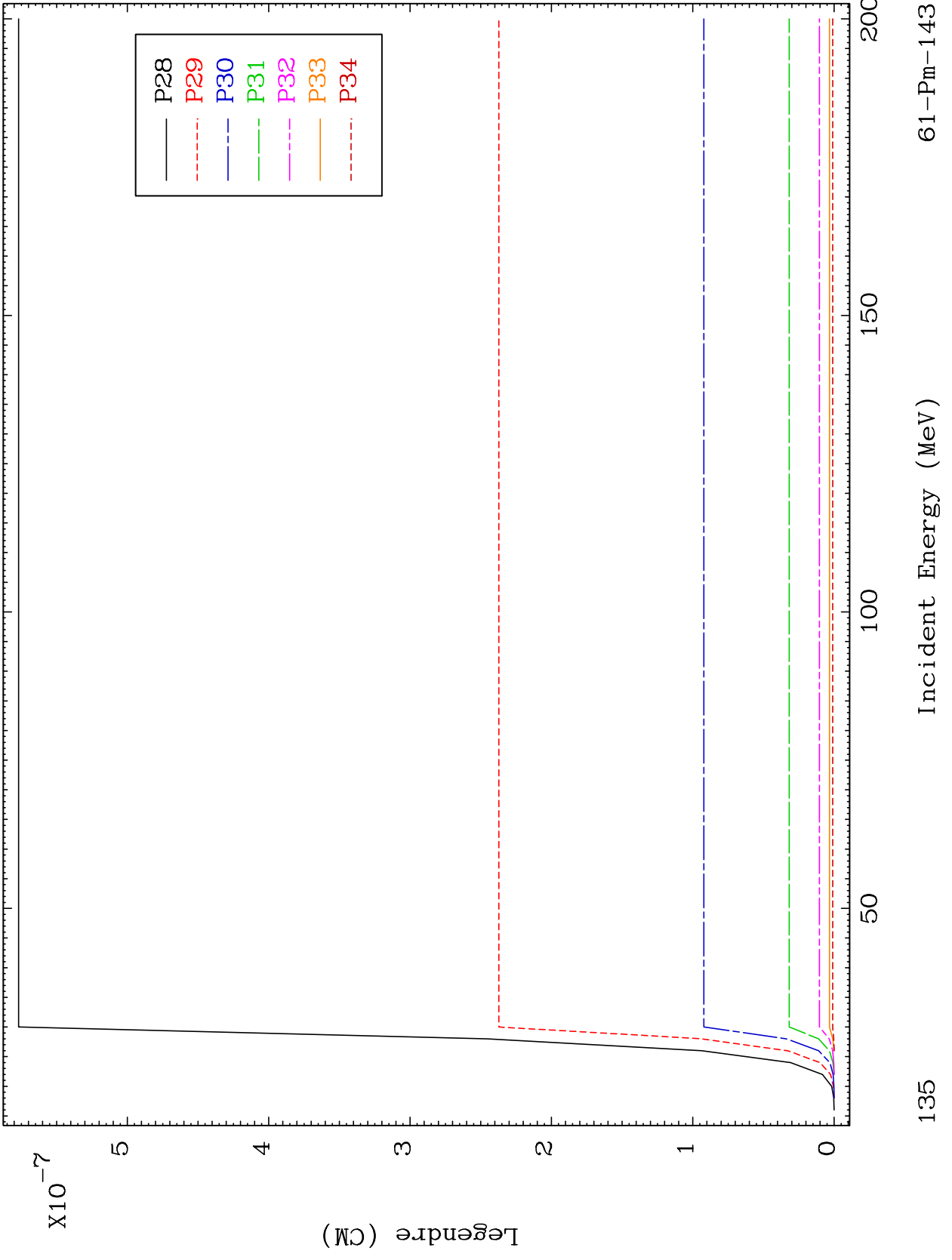
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143

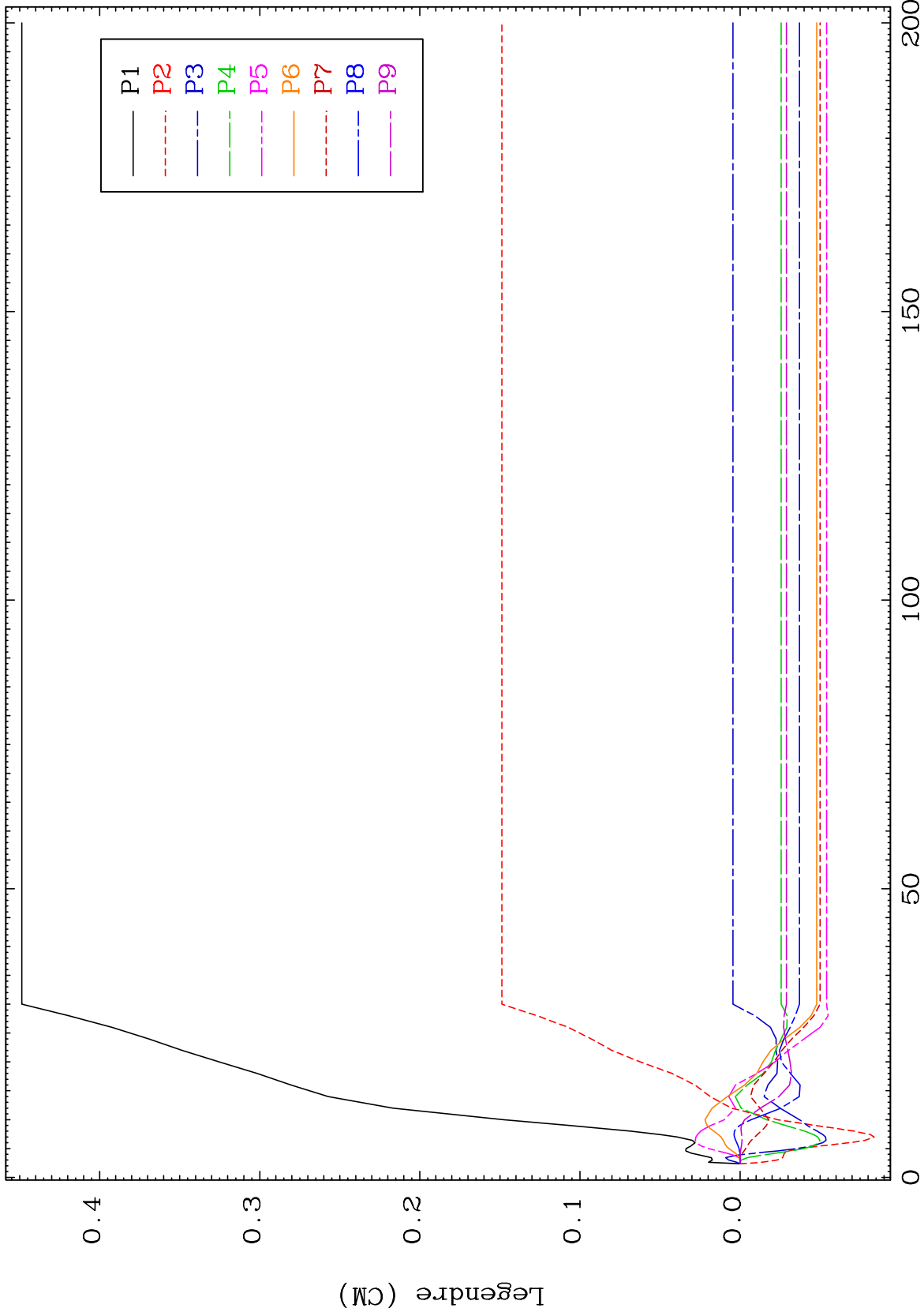




MAT 6137

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

61-Pm-143



61-Pm-143

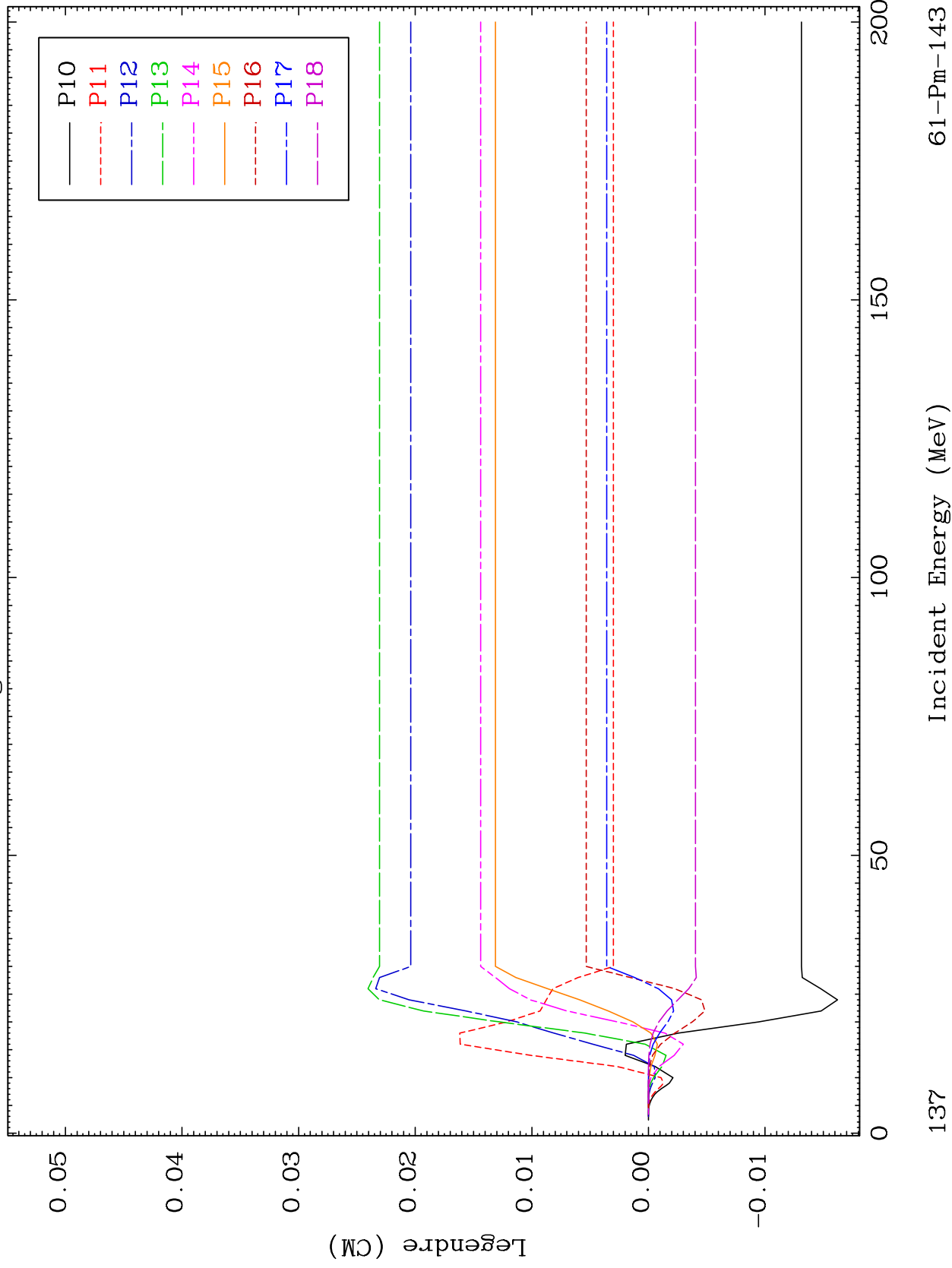
Incident Energy (MeV)

136

MAT 6137

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

61-Pm-143



137

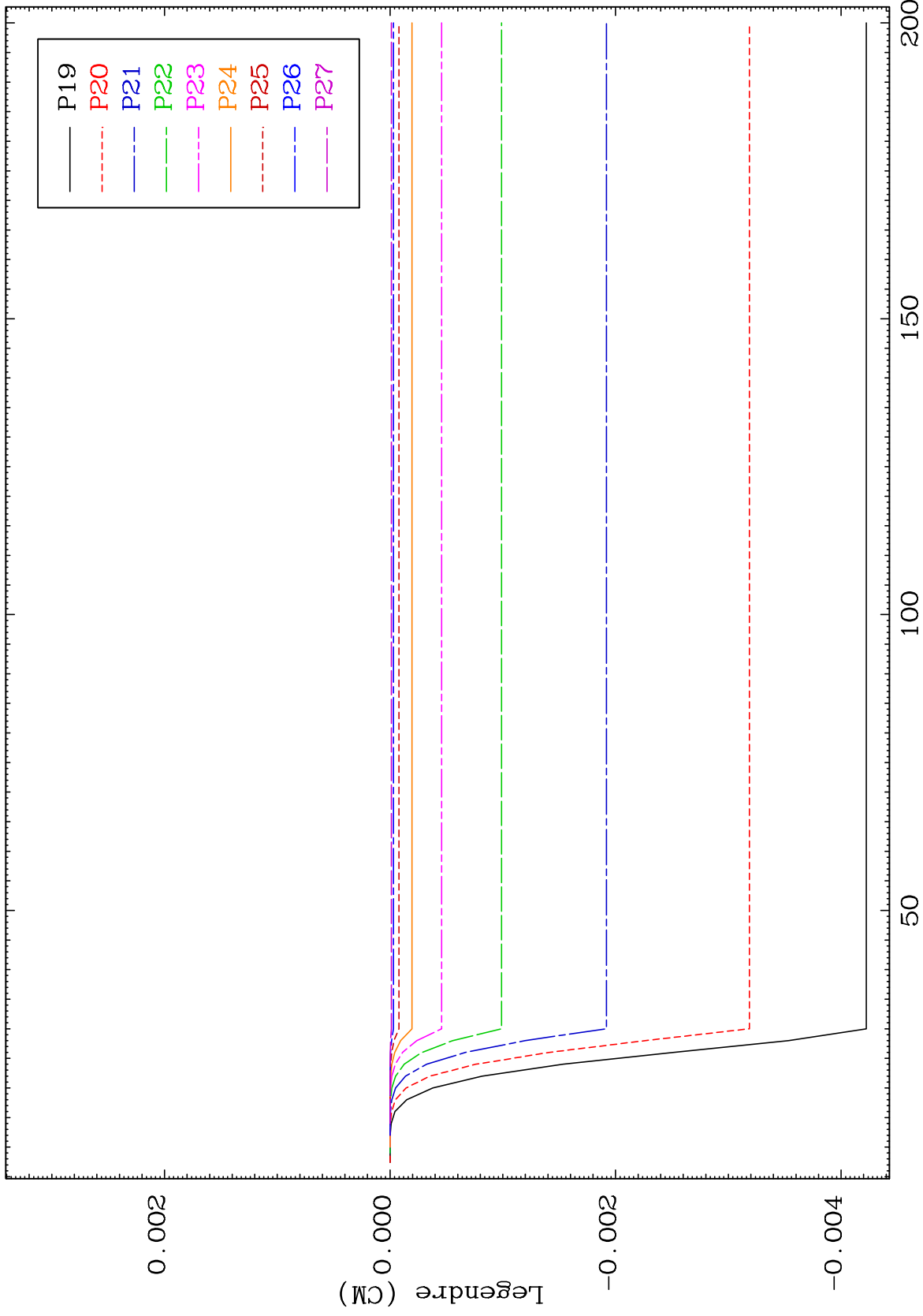
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

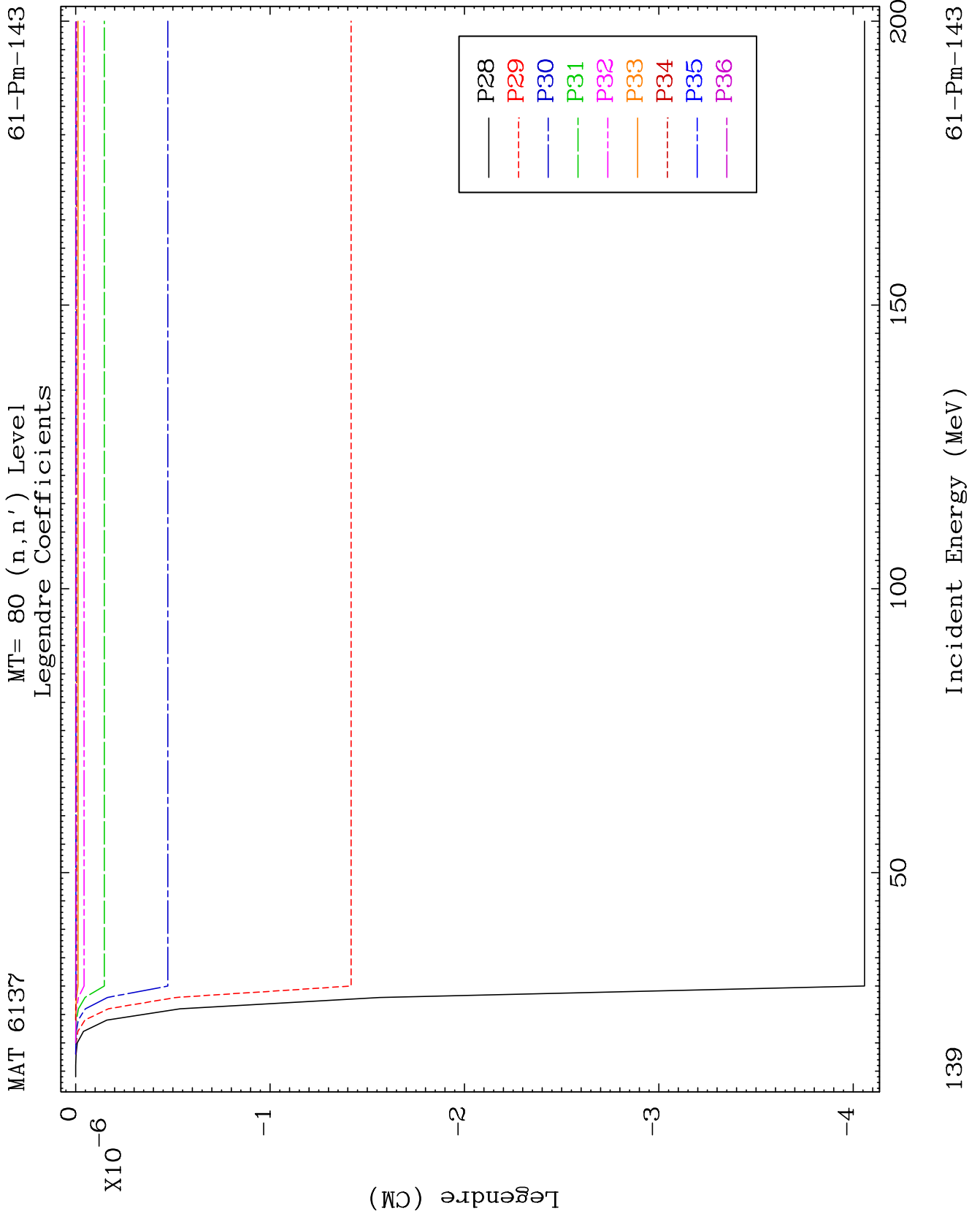
61-Pm-143



138

Incident Energy (MeV)

61-Pm-143

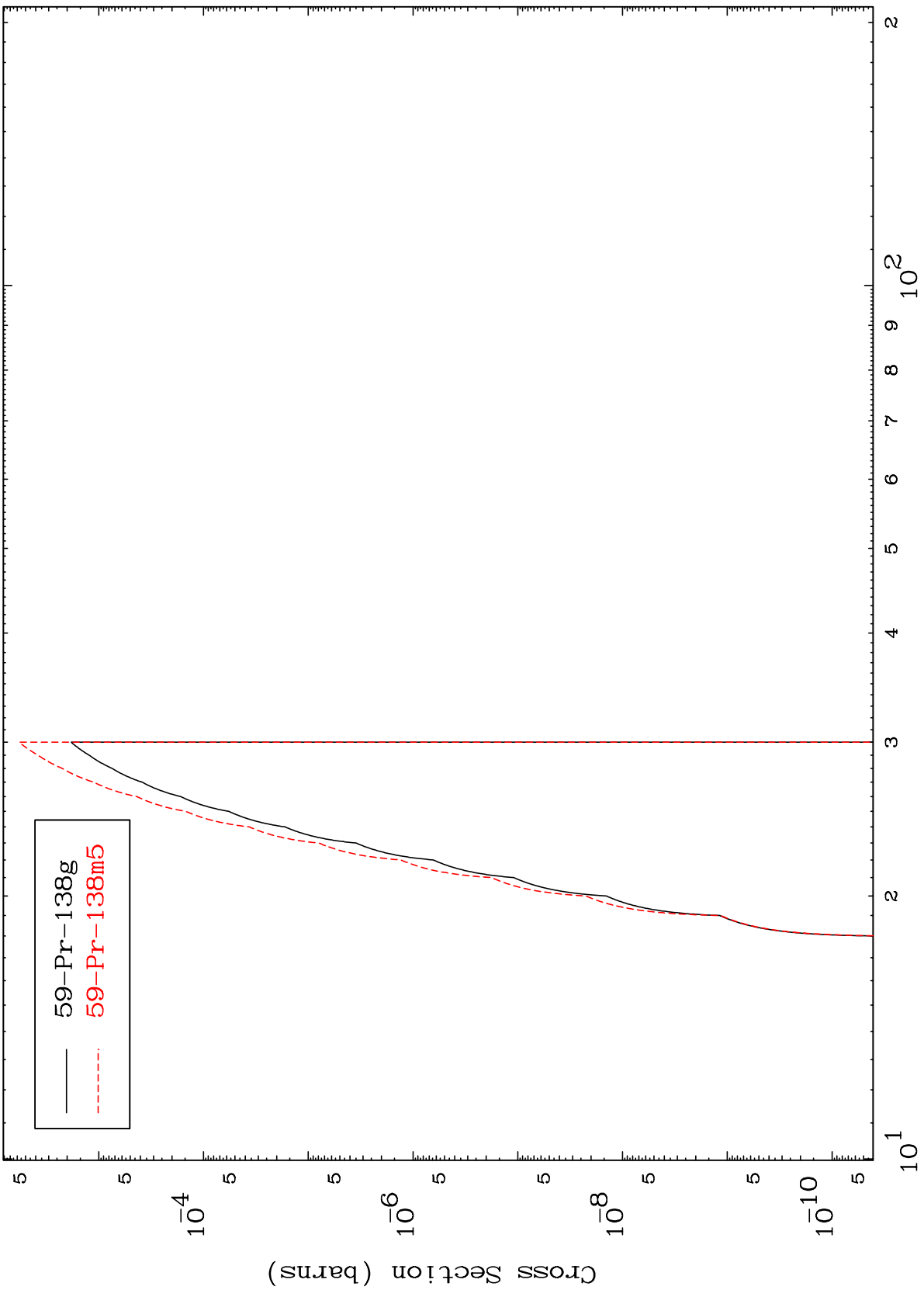


MAT 6137

(n,2n)  $\alpha$

61-Pm-143

Radionuclide Production Cross Section



Incident Energy (MeV)

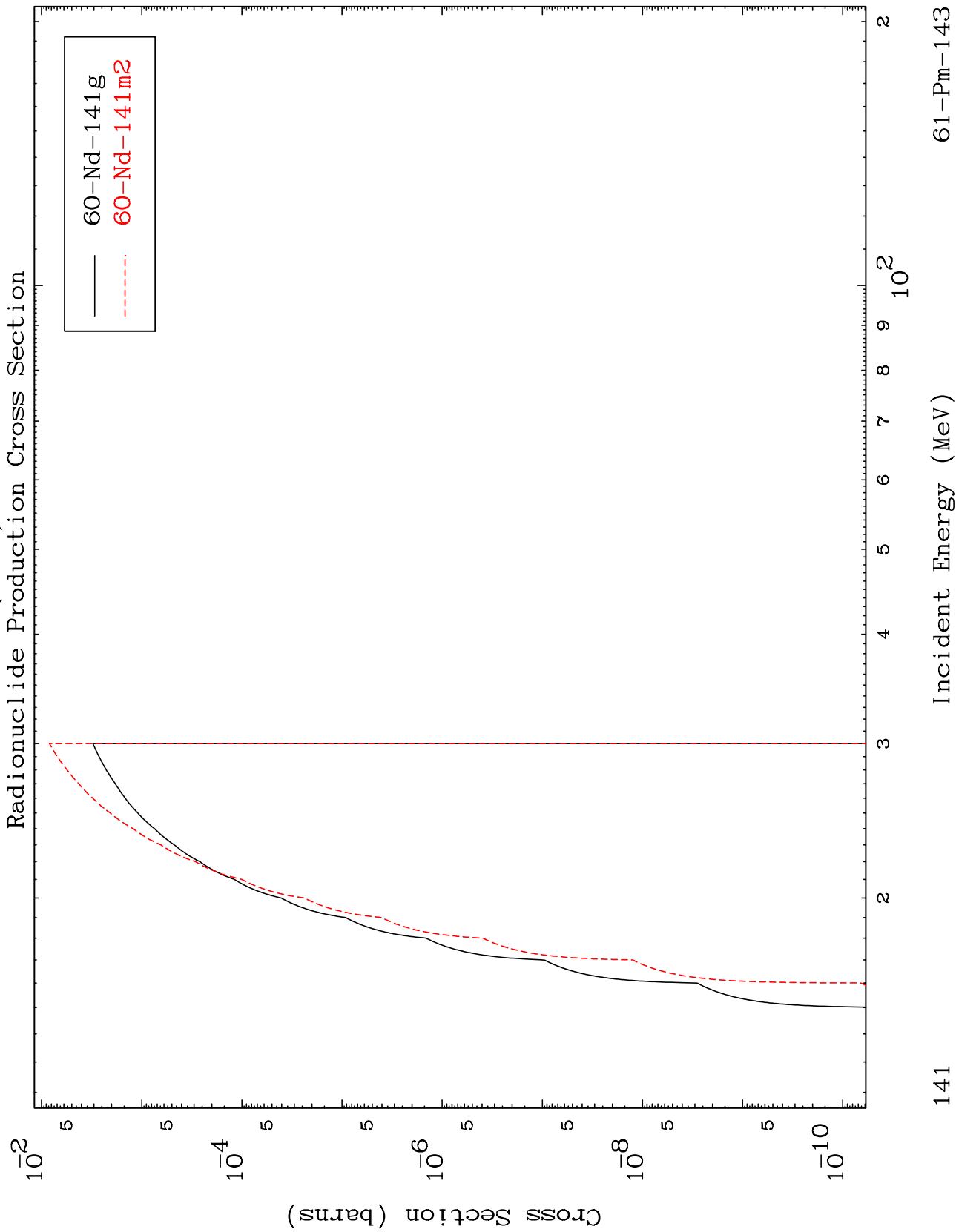
61-Pm-143

140

MAT 6137

(n,n') d

61-Pm-143



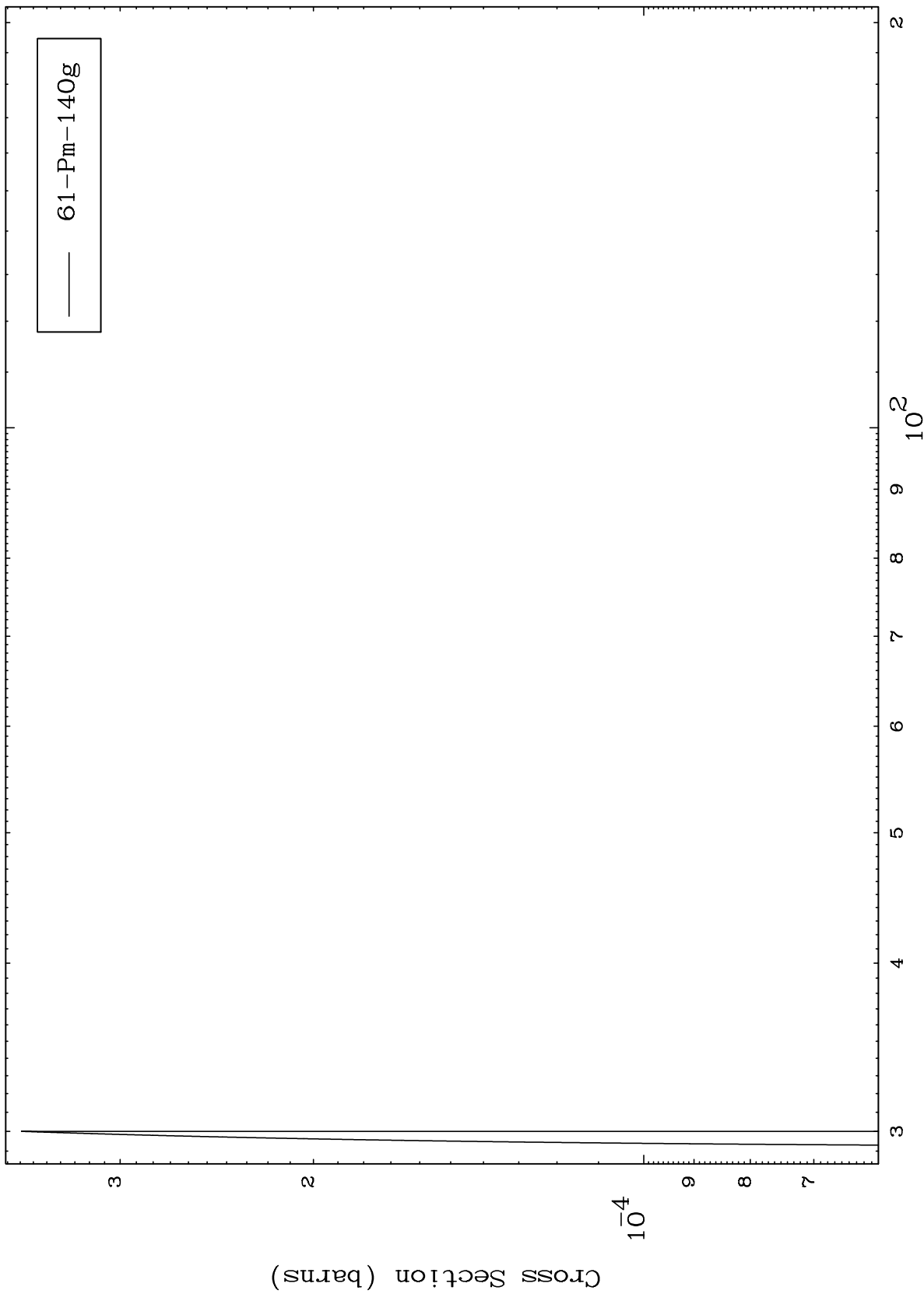
141

61-Pm-143

MAT 6137

61-Pm-143

(n,4n)  
Radionuclide Production Cross Section



142

Incident Energy (MeV)

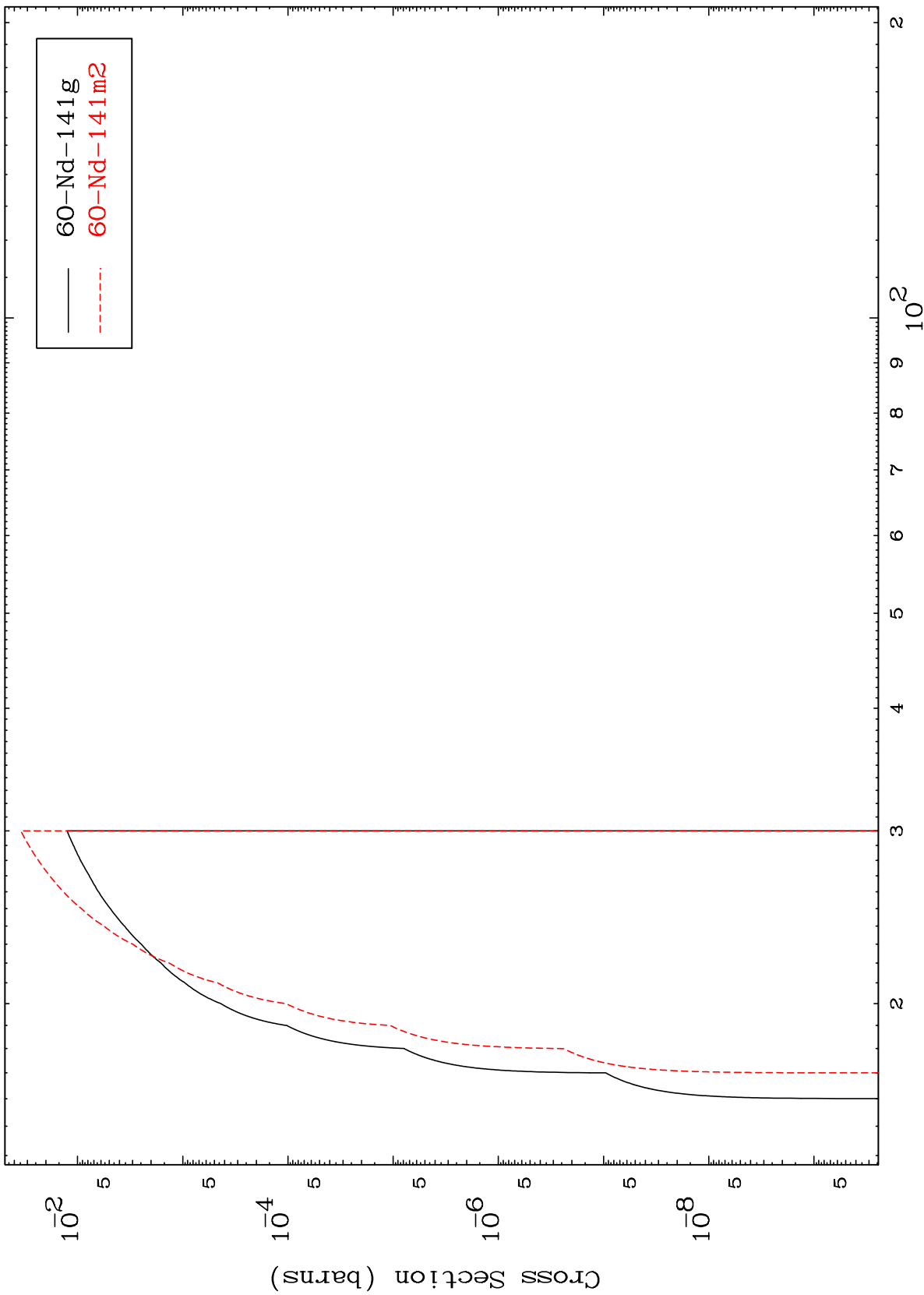
61-Pm-143

MAT 6137

(n,2n) p

61-Pm-143

Radionuclide Production Cross Section



143

Incident Energy (MeV)

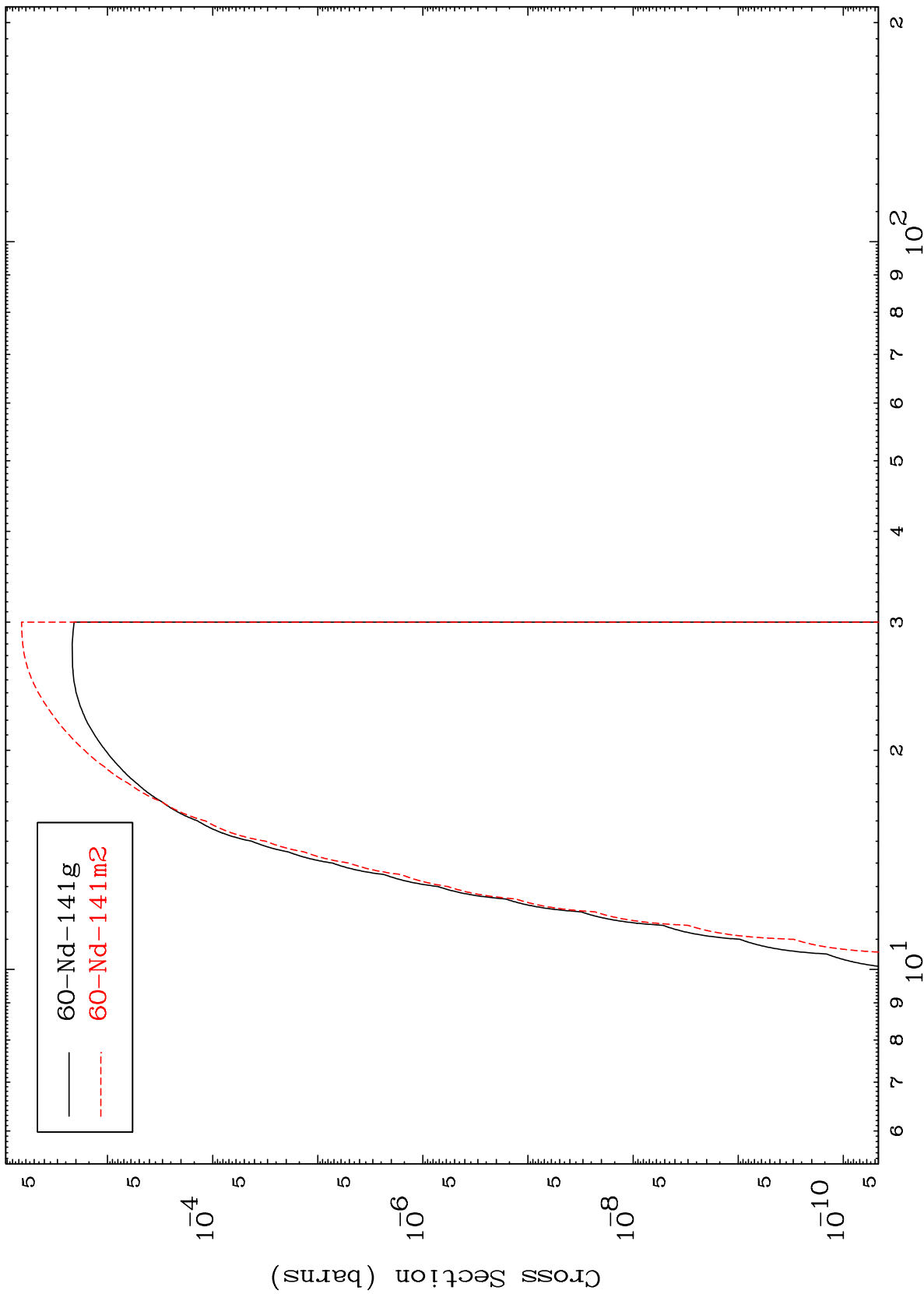
61-Pm-143



MAT 6137

61-Pm-143

(n, t)  
Radionuclide Production Cross Section



144

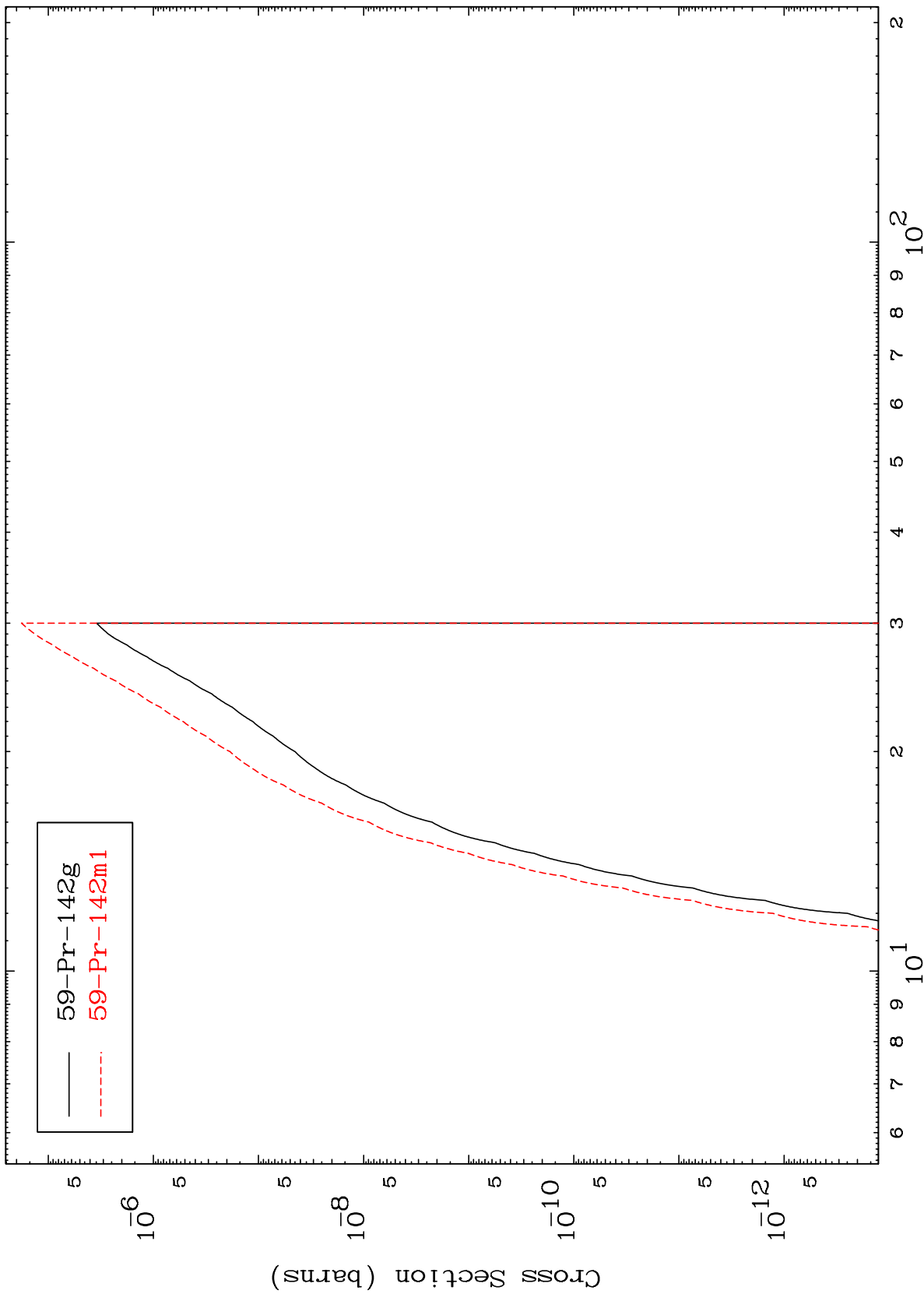
Incident Energy (MeV)

61-Pm-143

MAT 6137

61-Pm-143

(n,2p)  
Radionuclide Production Cross Section



145

Incident Energy (MeV)

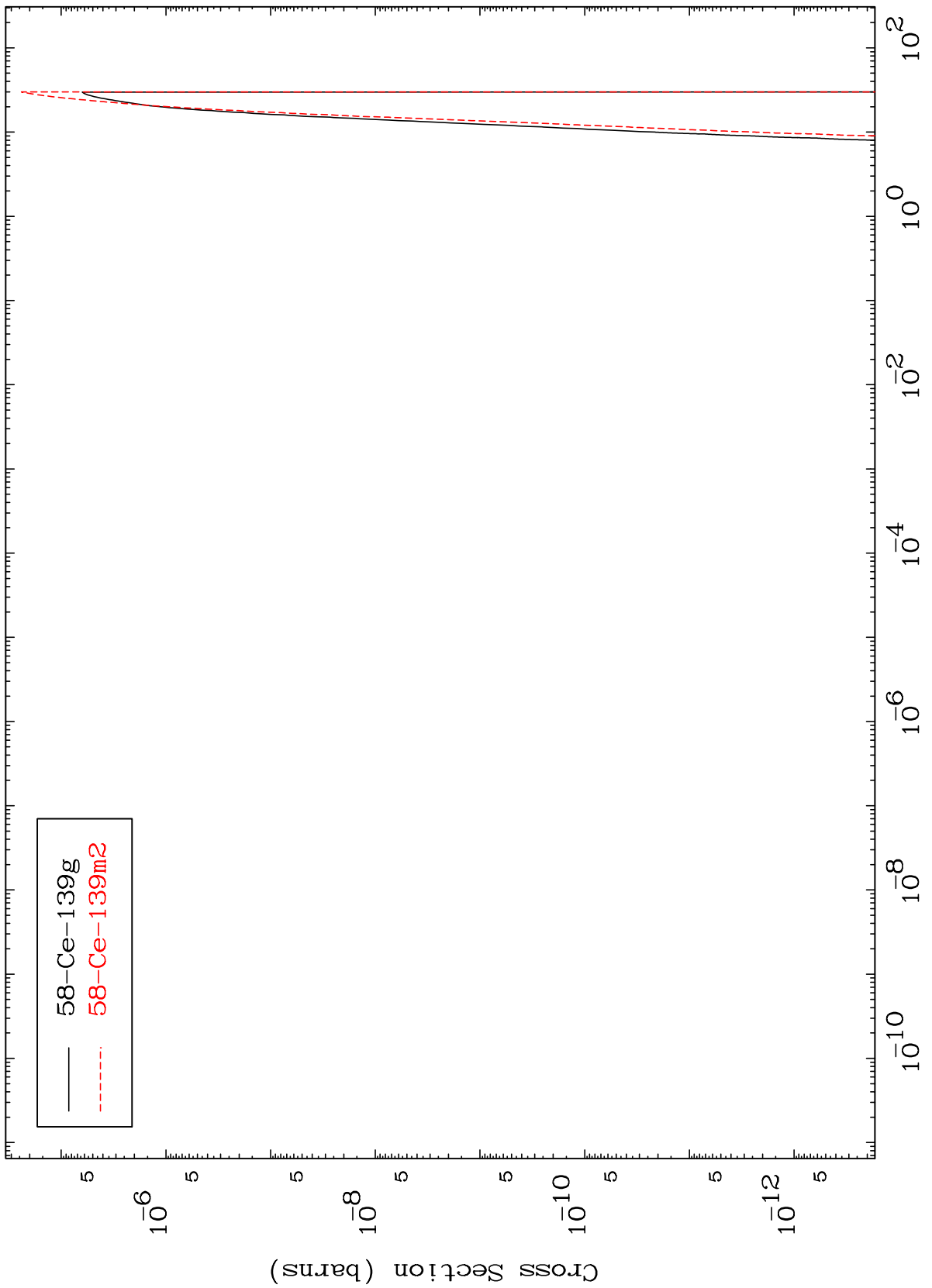
61-Pm-143

MAT 6137

(n,p)  $\alpha$

61-Pm-143

Radionuclide Production Cross Section



146

Incident Energy (MeV)

61-Pm-143