

Program EVALPLOT
(Version 2018-1)

by

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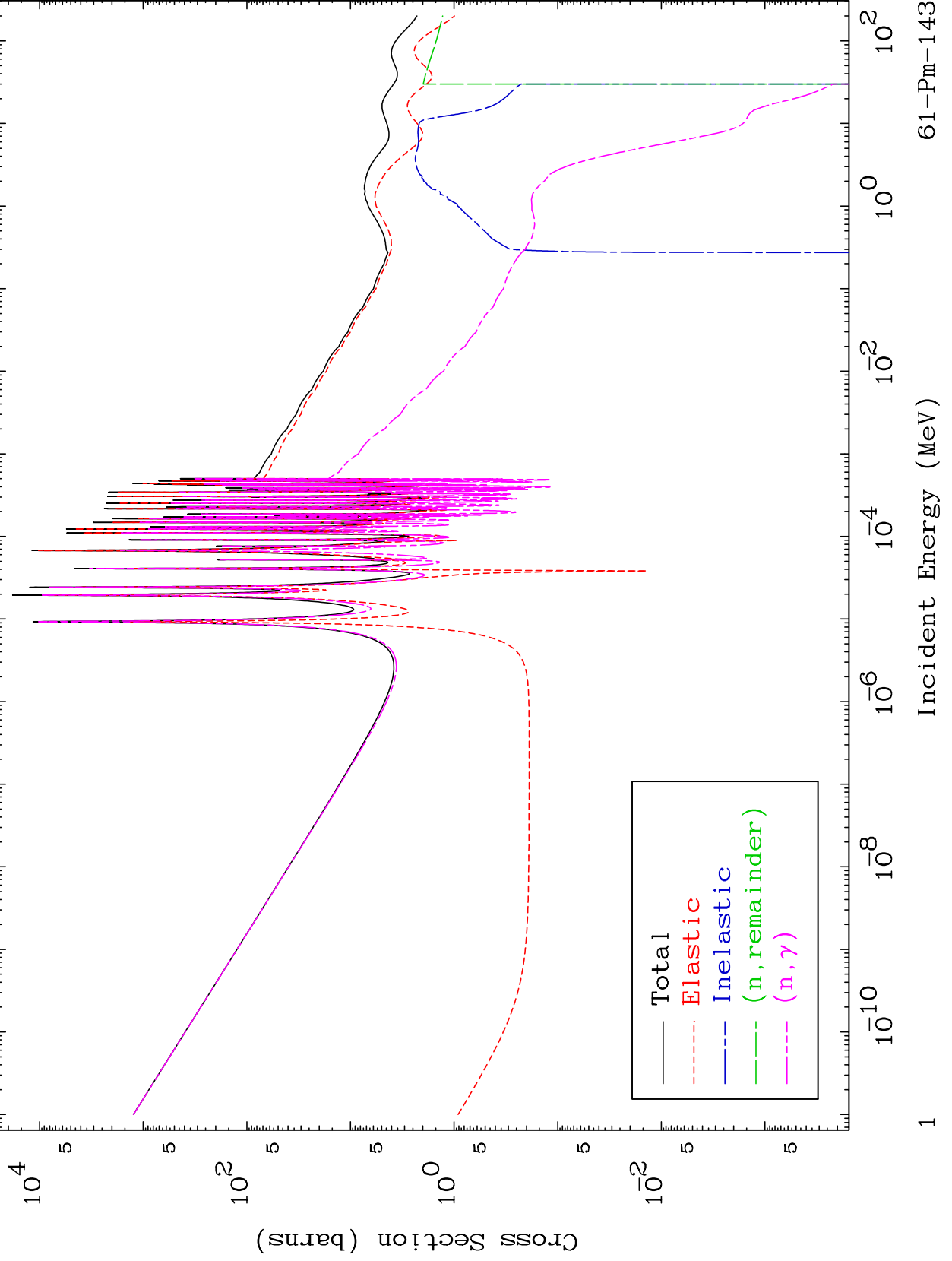
Press Mouse Button to Start

MAT 6137

Major

293 Kelvin Cross Sections

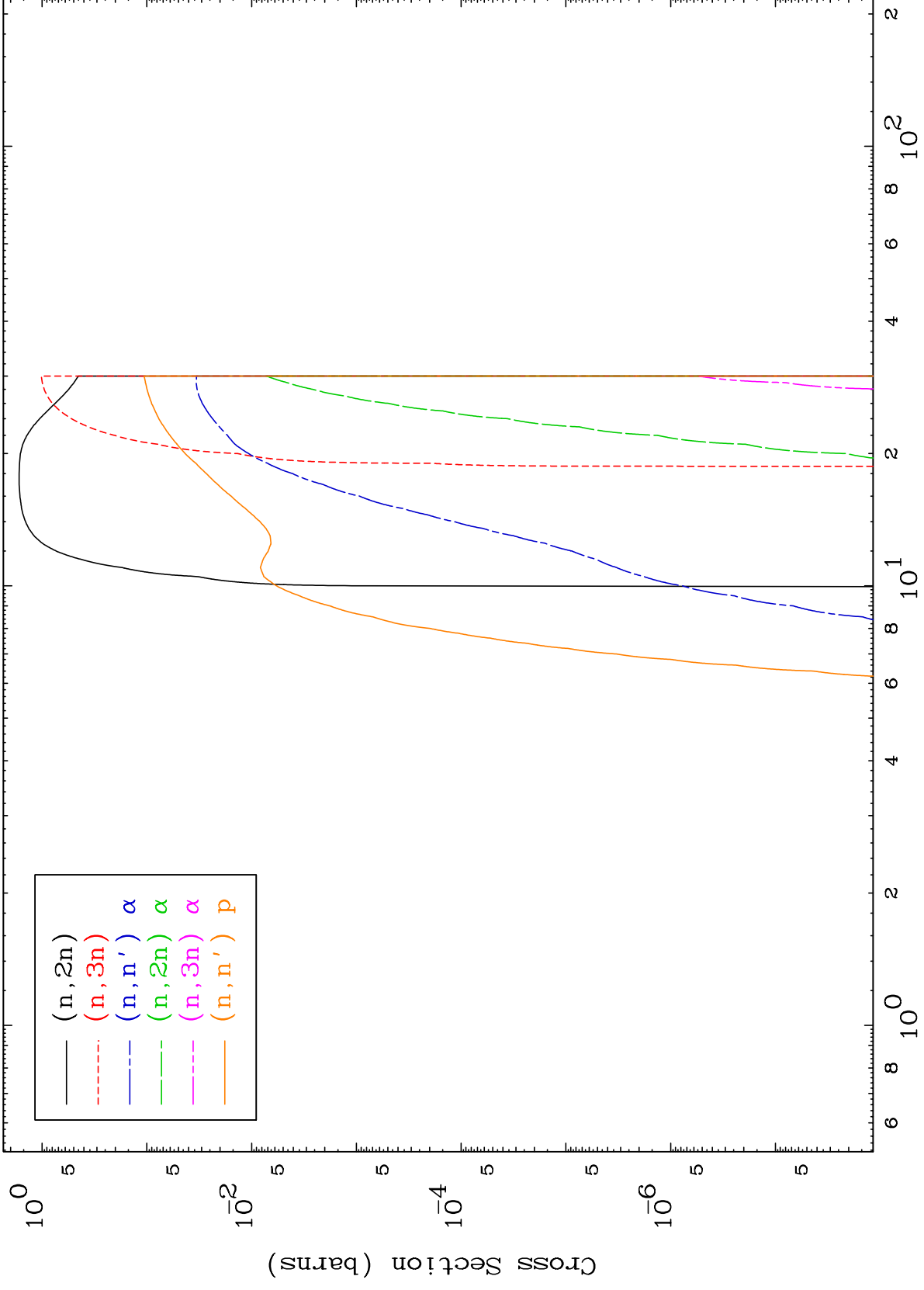
61-Pm-143



MAT 6137

Neutron Production
293 Kelvin Cross Sections

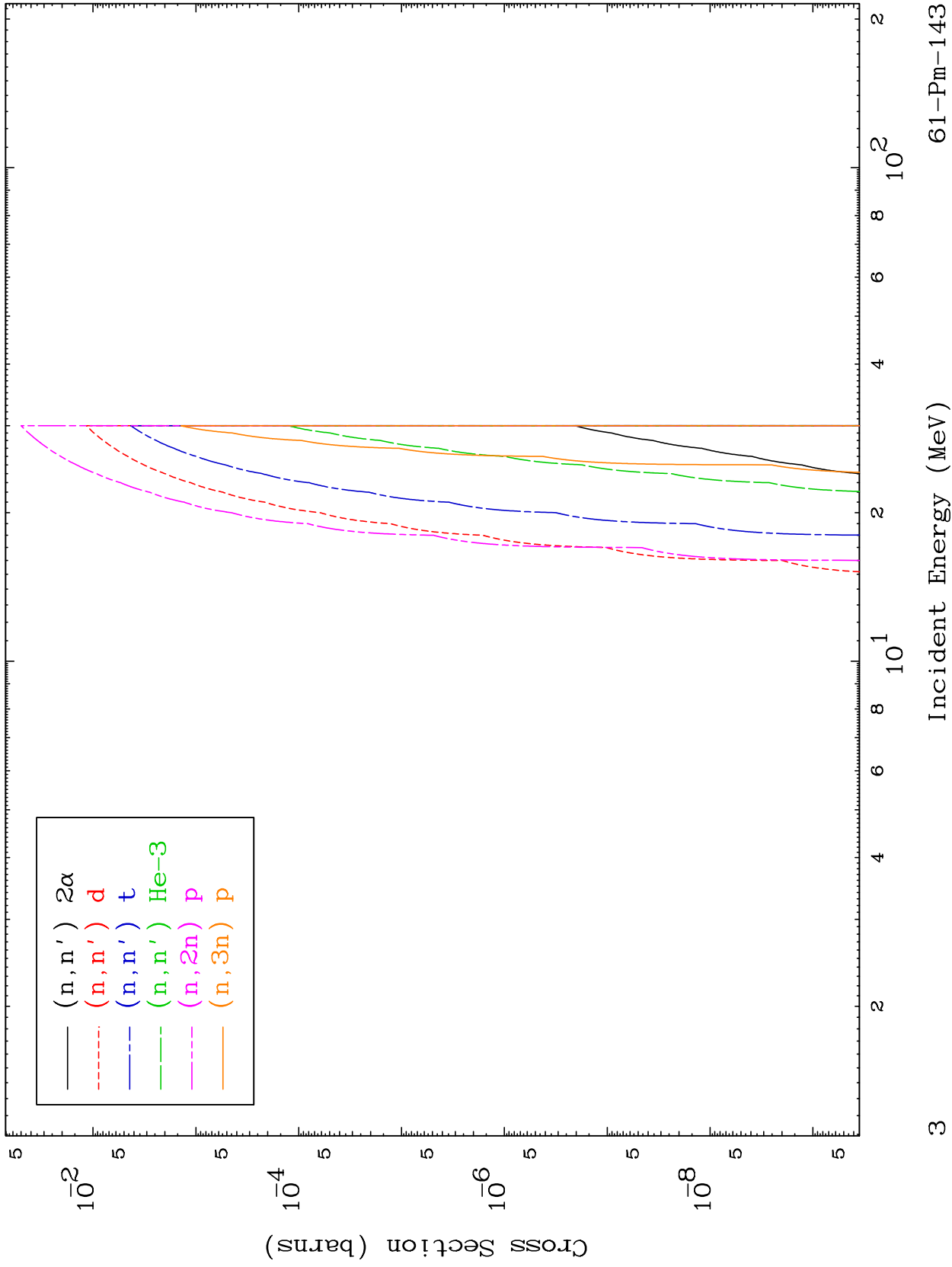
61-Pm-143



2

Incident Energy (MeV)

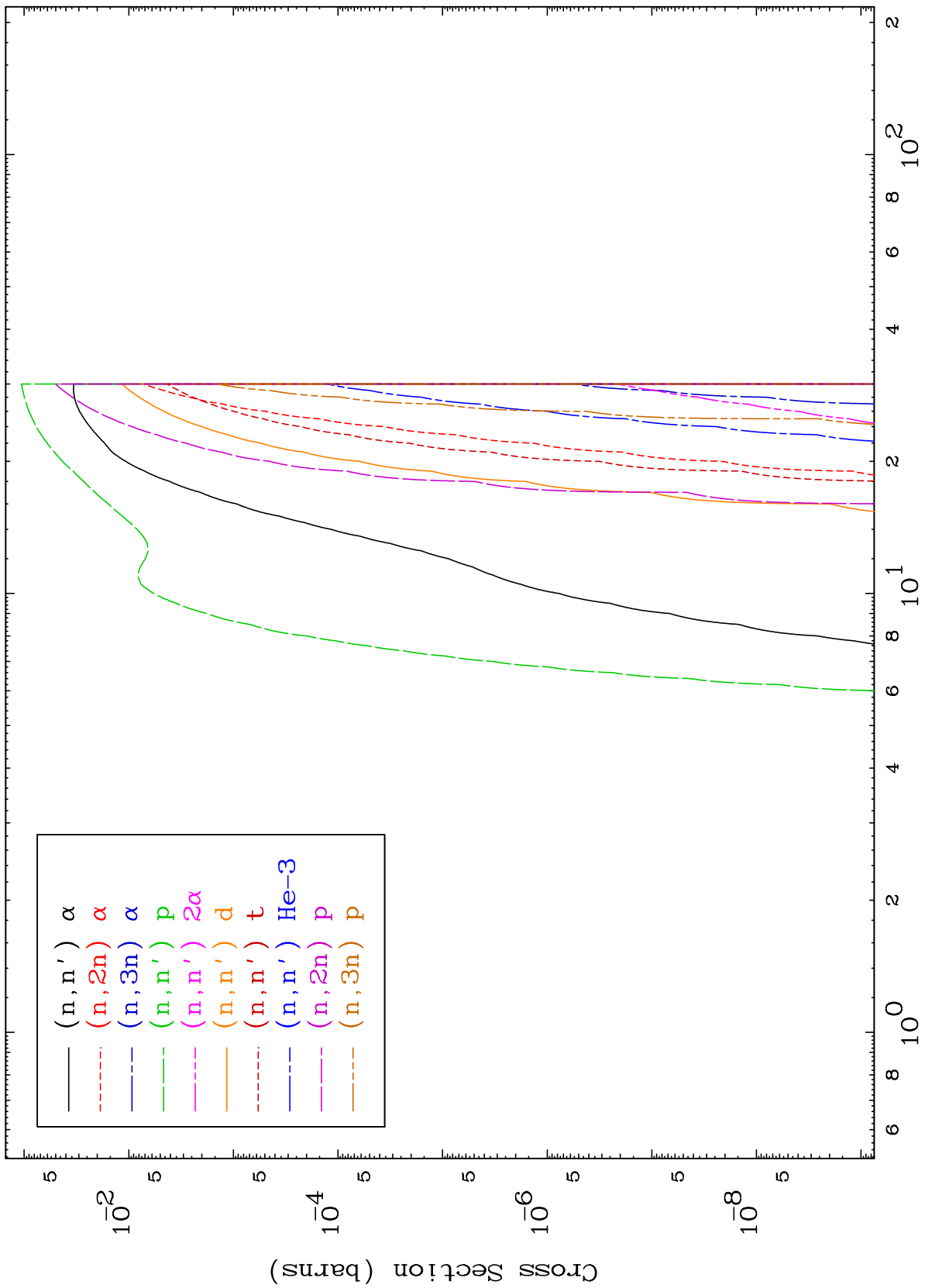
61-Pm-143



MAT 6137

Charged Particle
293 Kelvin Cross Sections

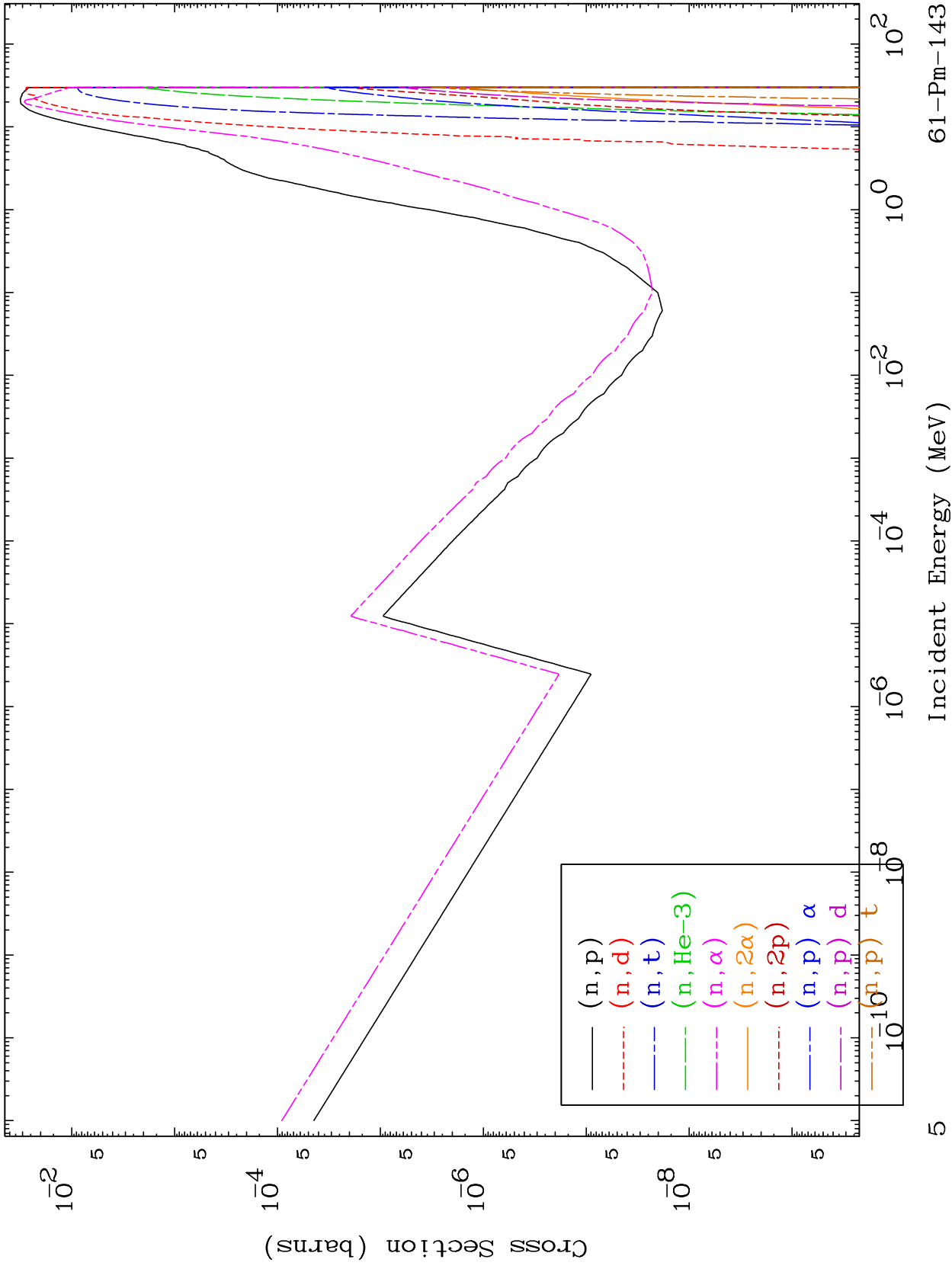
61-Pm-143



MAT 6137

Charged Particle
293 Kelvin Cross Sections

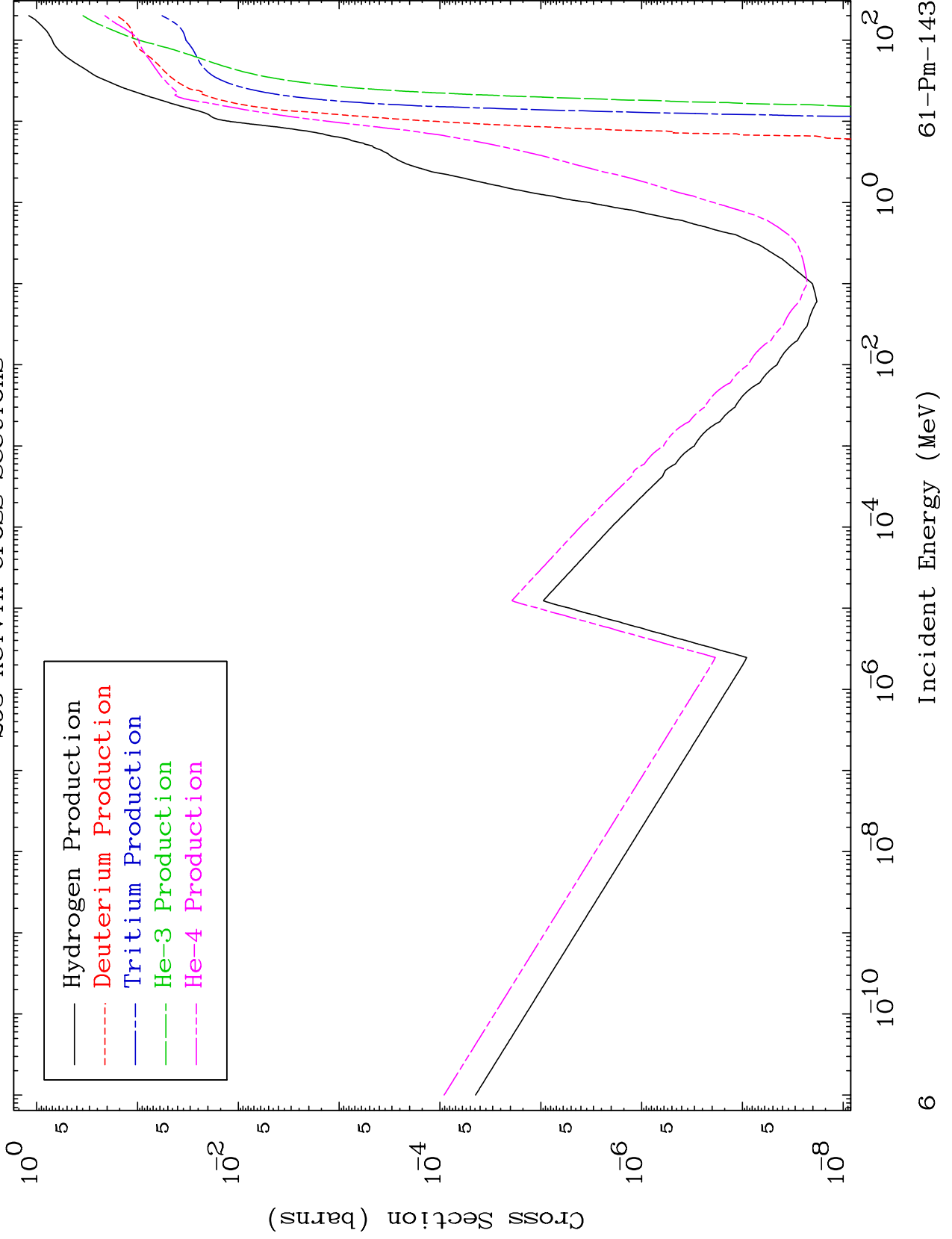
61-Pm-143



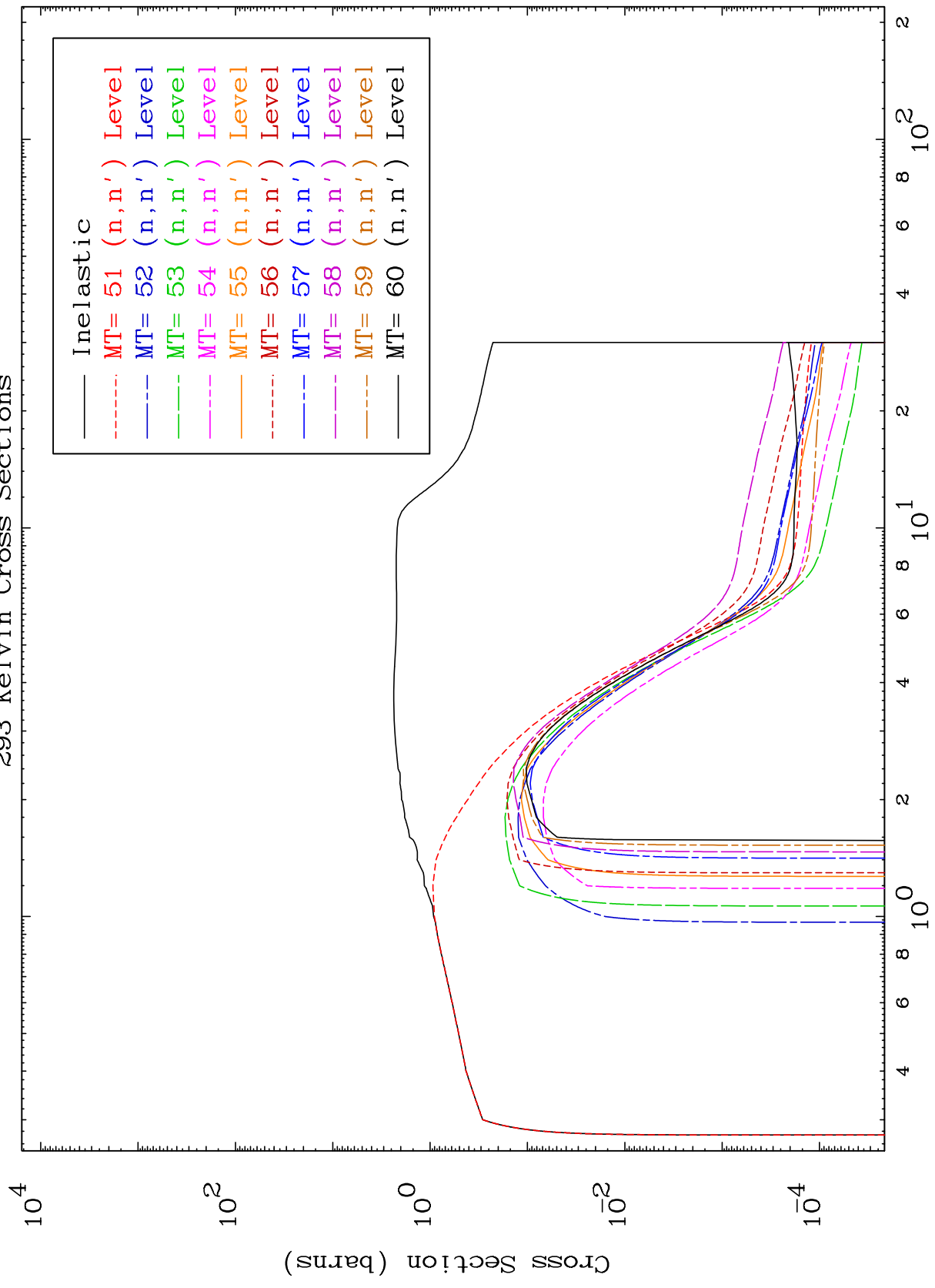
5

Incident Energy (MeV)

61-Pm-143



293 Kelvin Cross Sections

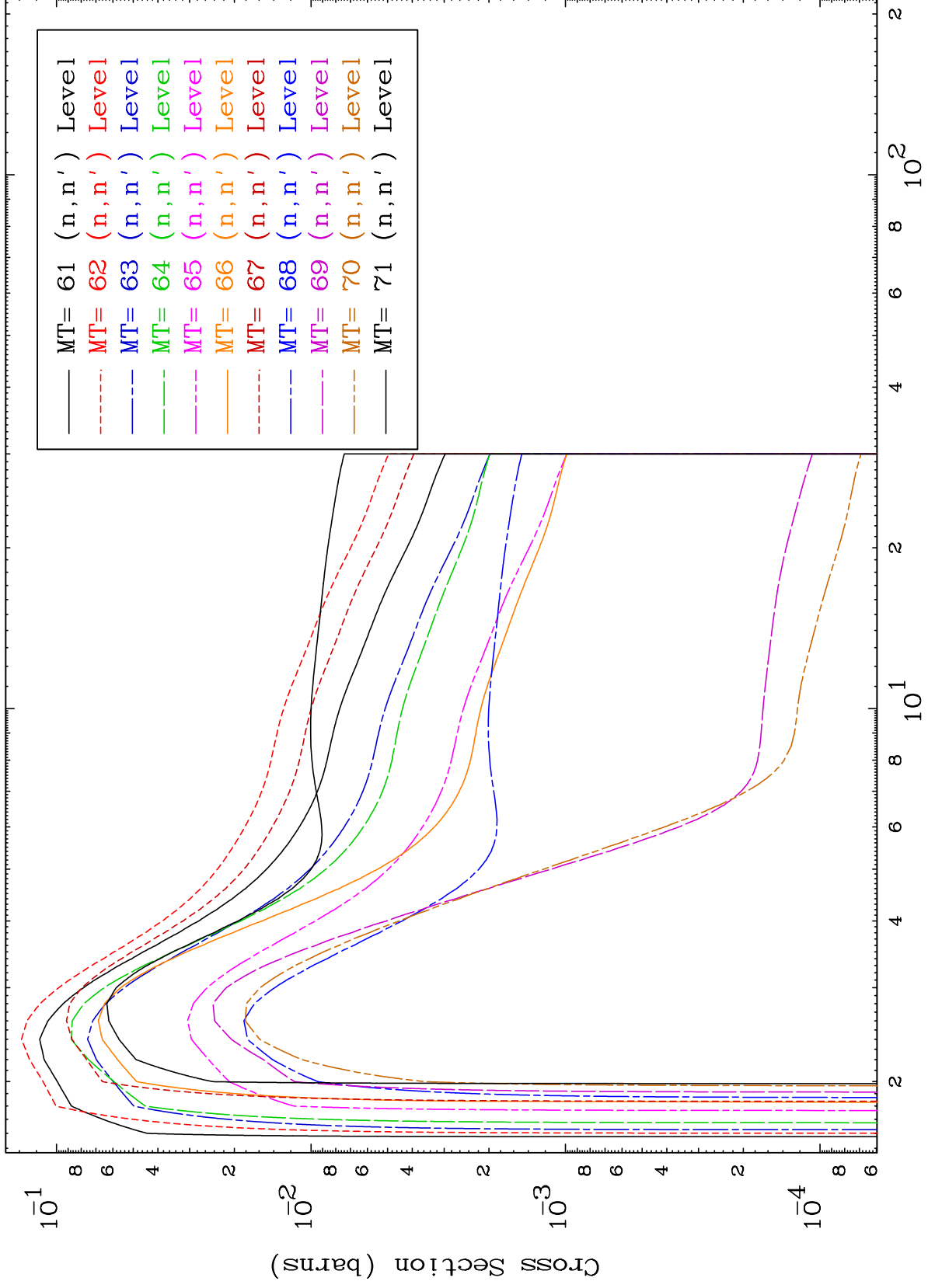


MAT 6137

(n,n') Level

61-Pm-143

293 Kelvin Cross Sections

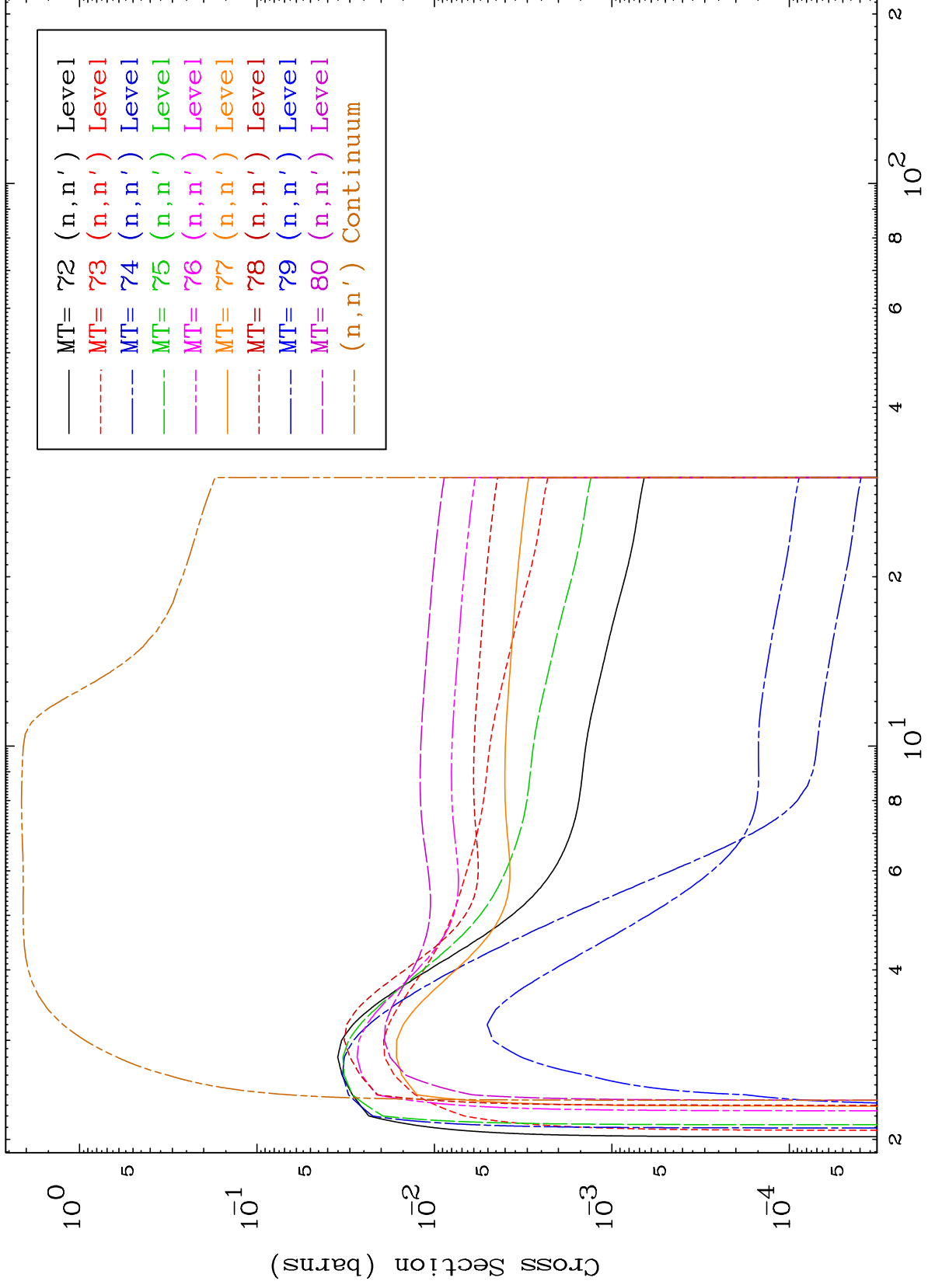


8

Incident Energy (MeV)

61-Pm-143

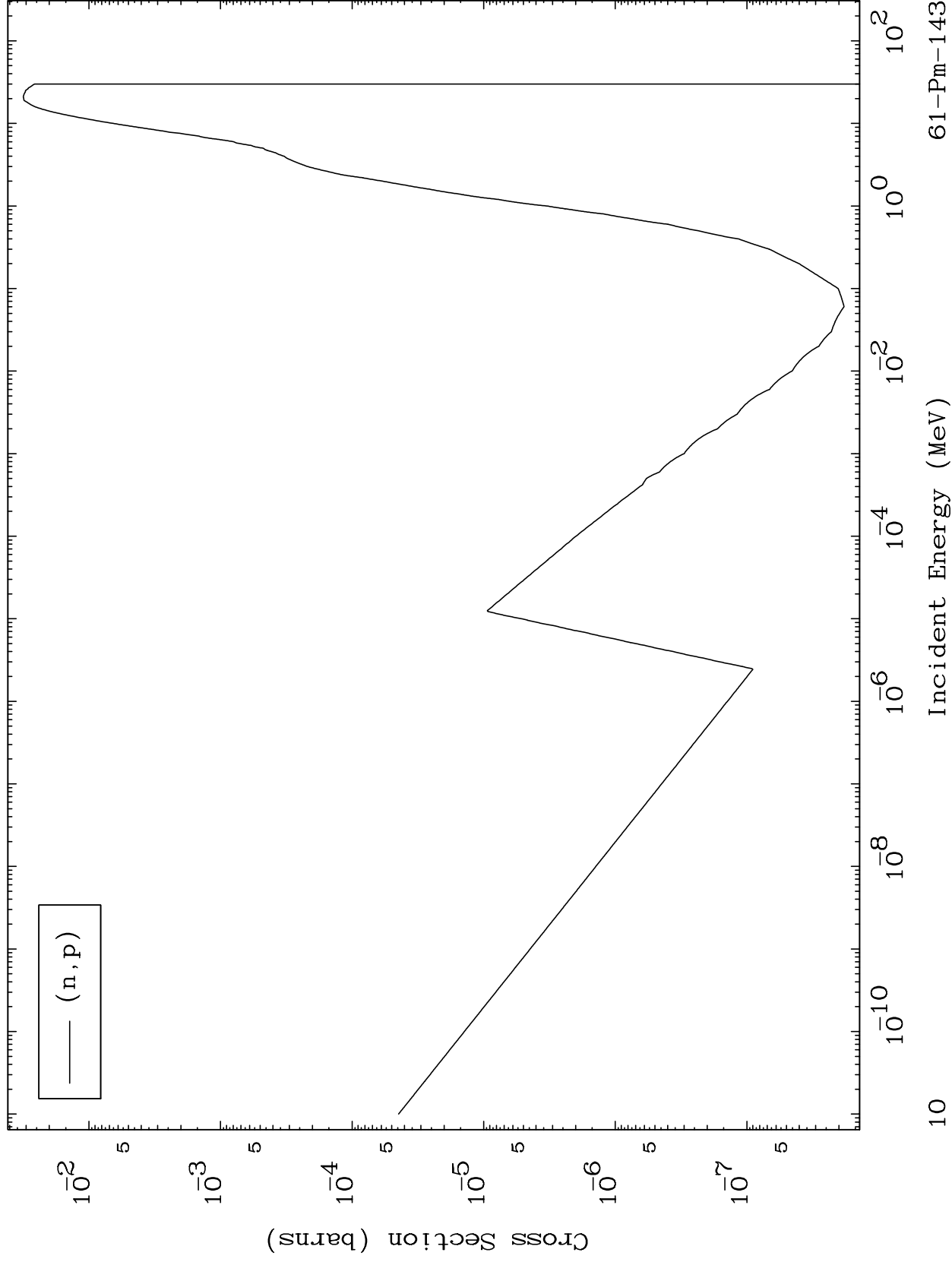
293 Kelvin Cross Sections



MAT 6137

(n,p) Levels
293 Kelvin Cross Sections

61-Pm-143



61-Pm-143

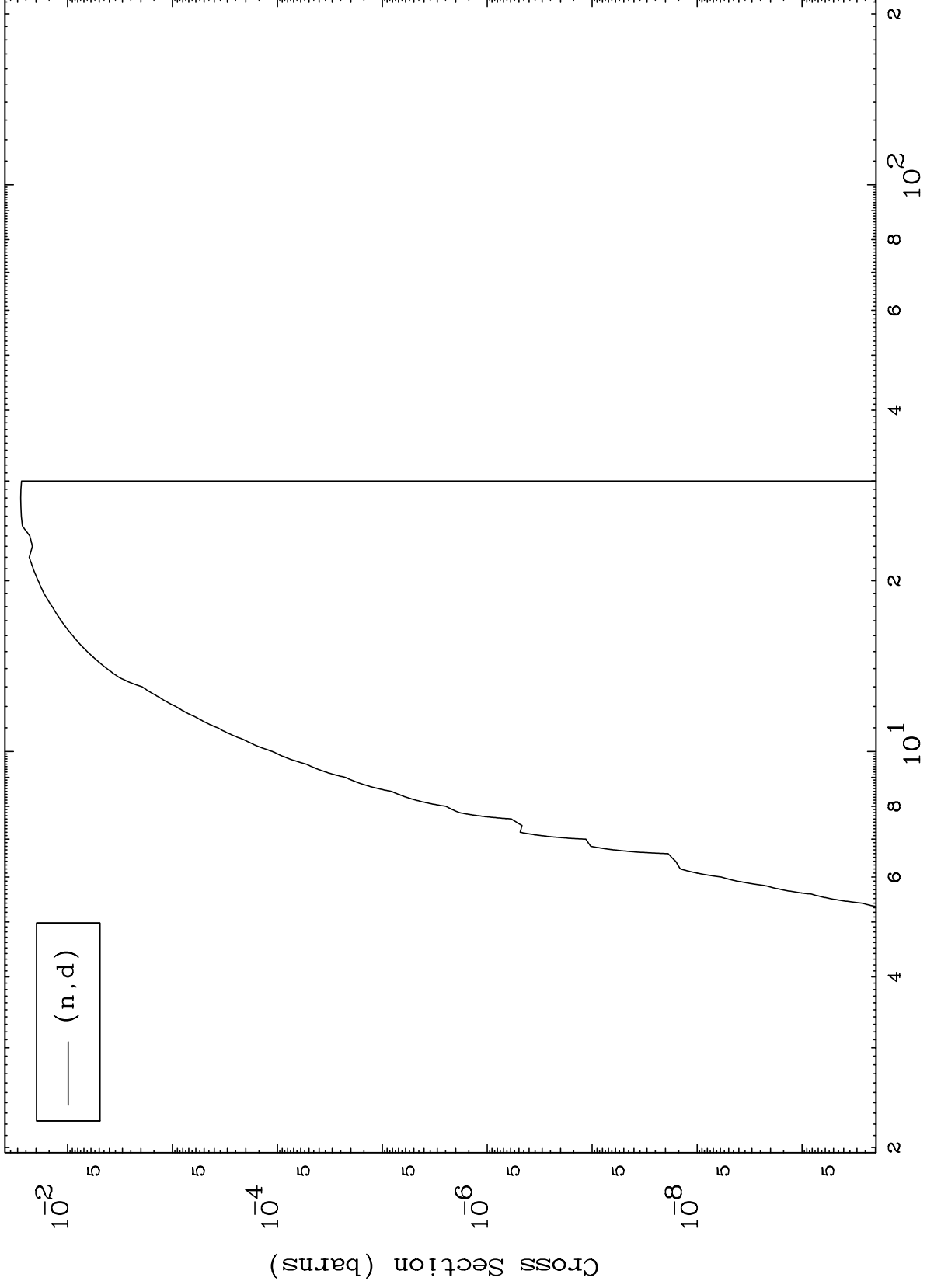
Incident Energy (MeV)

10

MAT 6137

(n,d) Levels
293 Kelvin Cross Sections

61-Pm-143



11

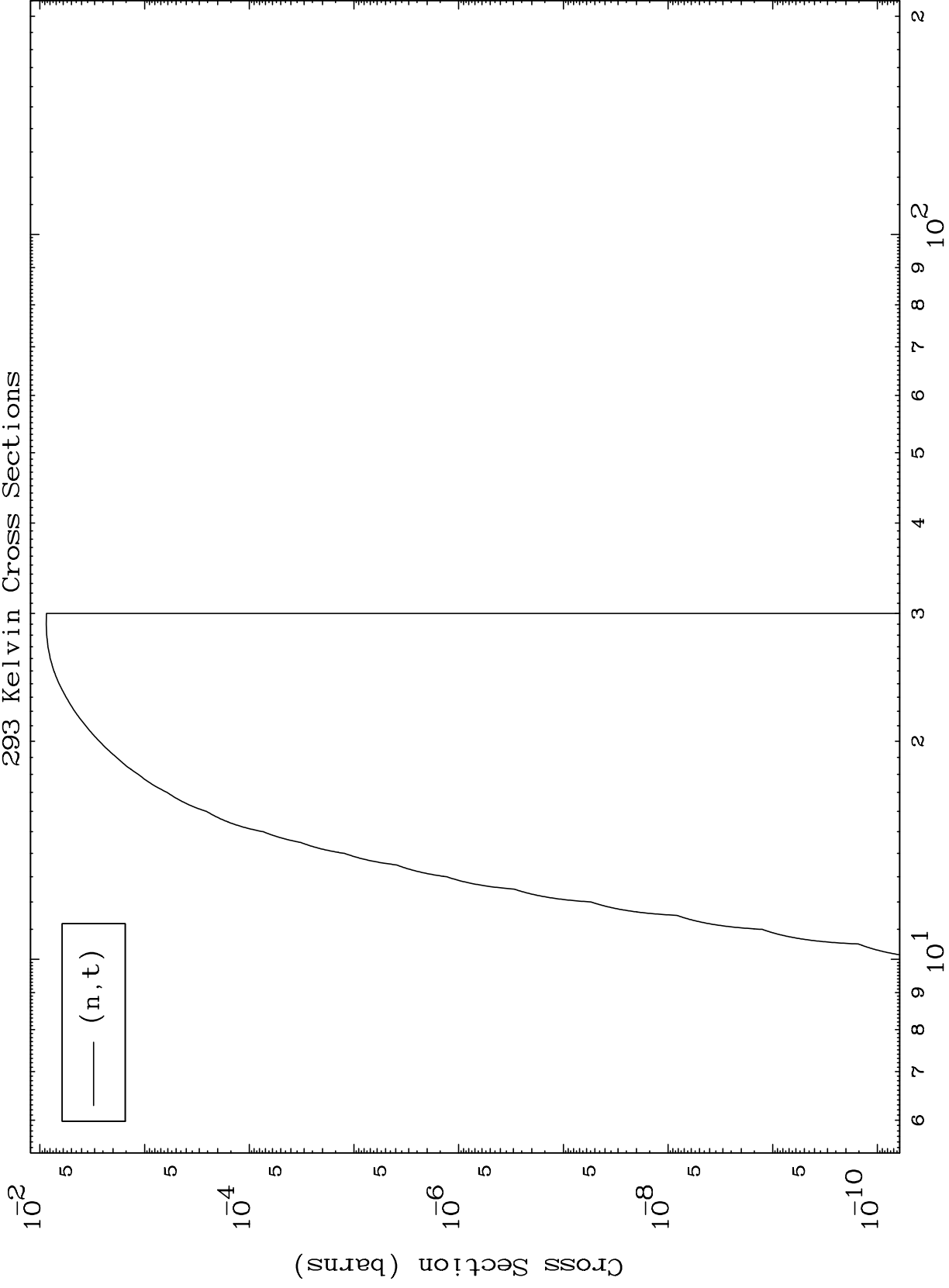
Incident Energy (MeV)

61-Pm-143

MAT 6137

(n,t) Levels
293 Kelvin Cross Sections

61-Pm-143



12

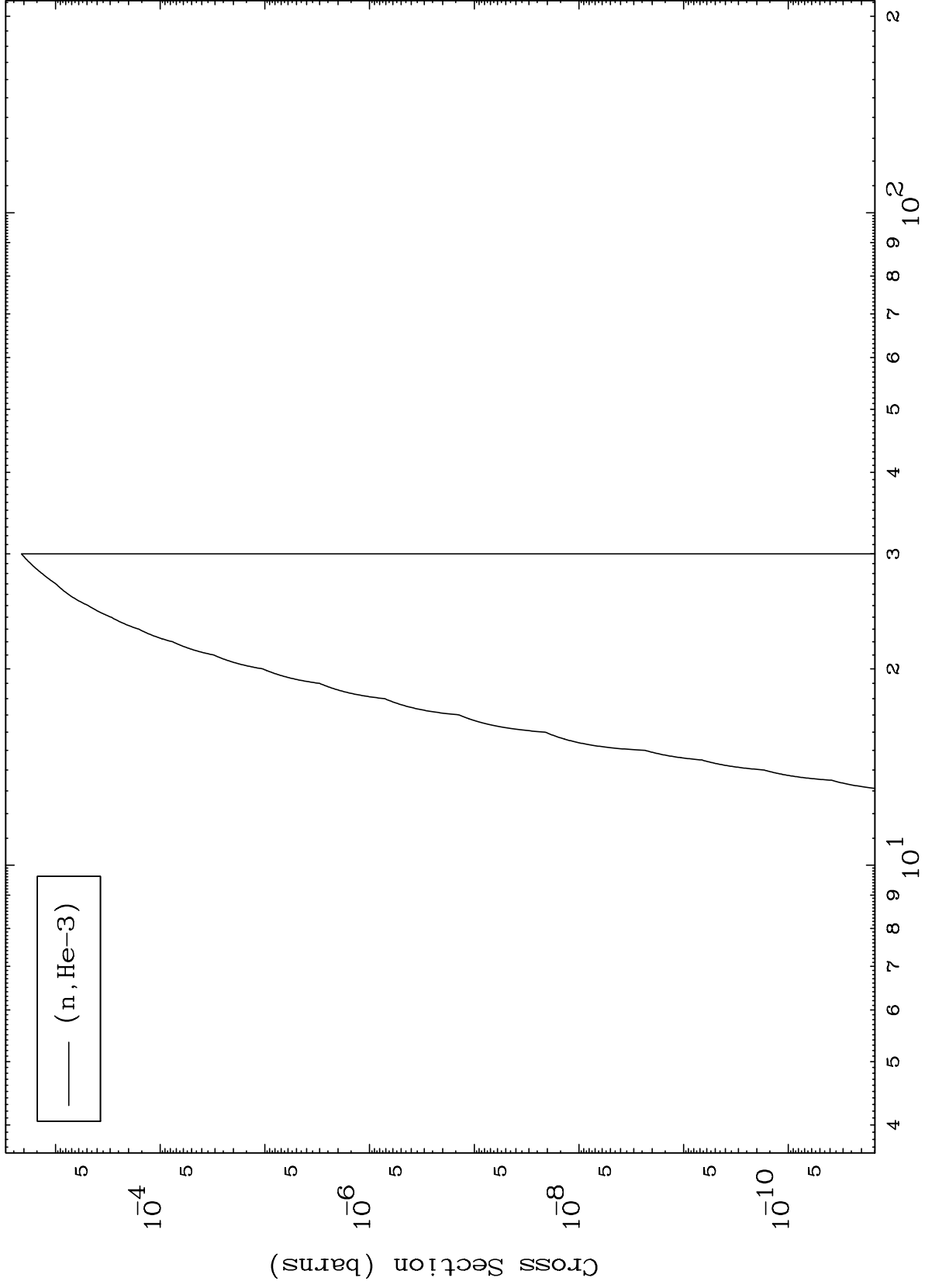
Incident Energy (MeV)

61-Pm-143

MAT 6137

(n,He3) Levels
293 Kelvin Cross Sections

61-Pm-143



13

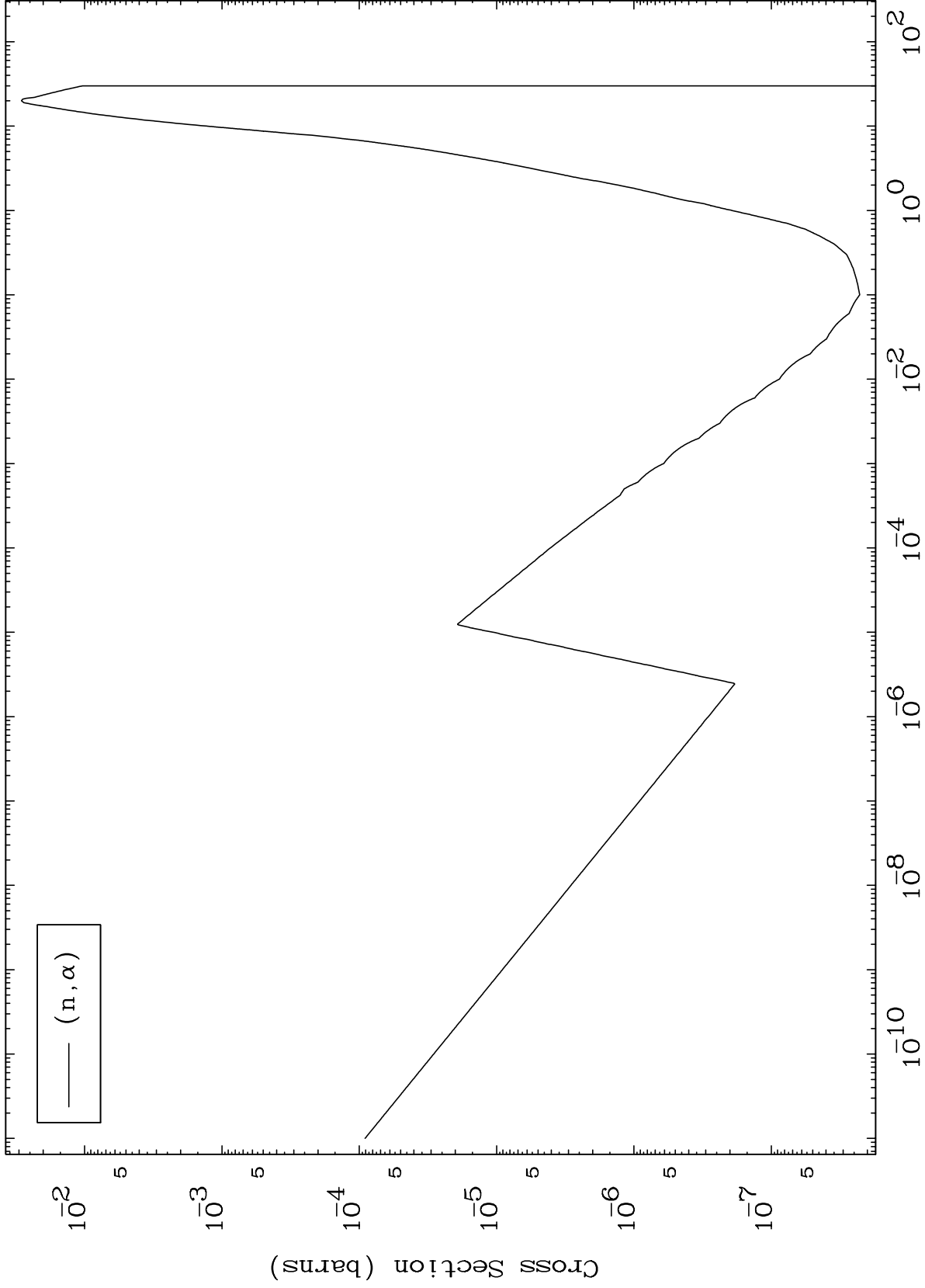
Incident Energy (MeV)

61-Pm-143

MAT 6137

(n, α) Levels
293 Kelvin Cross Sections

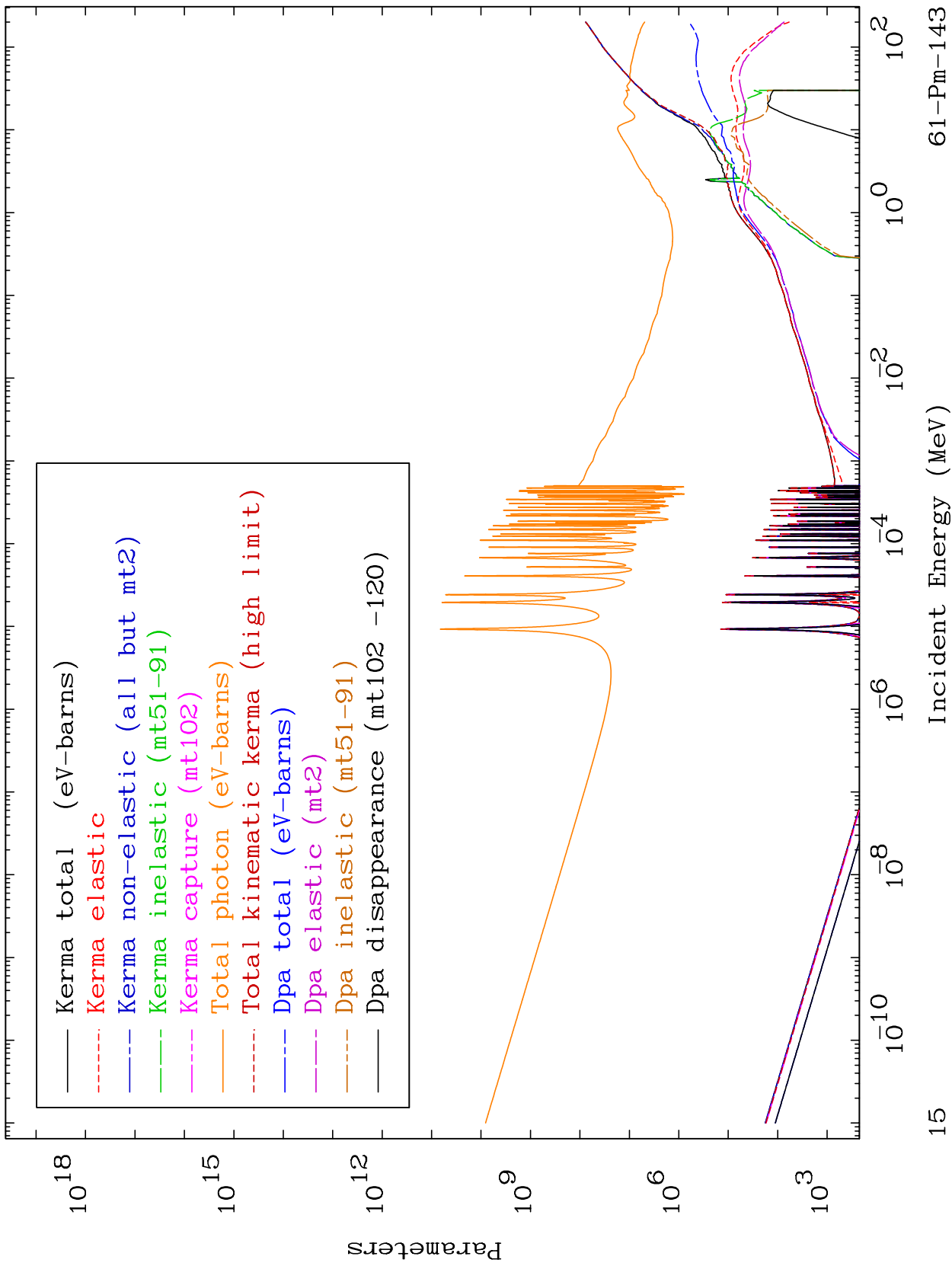
61-Pm-143



14

Incident Energy (MeV)

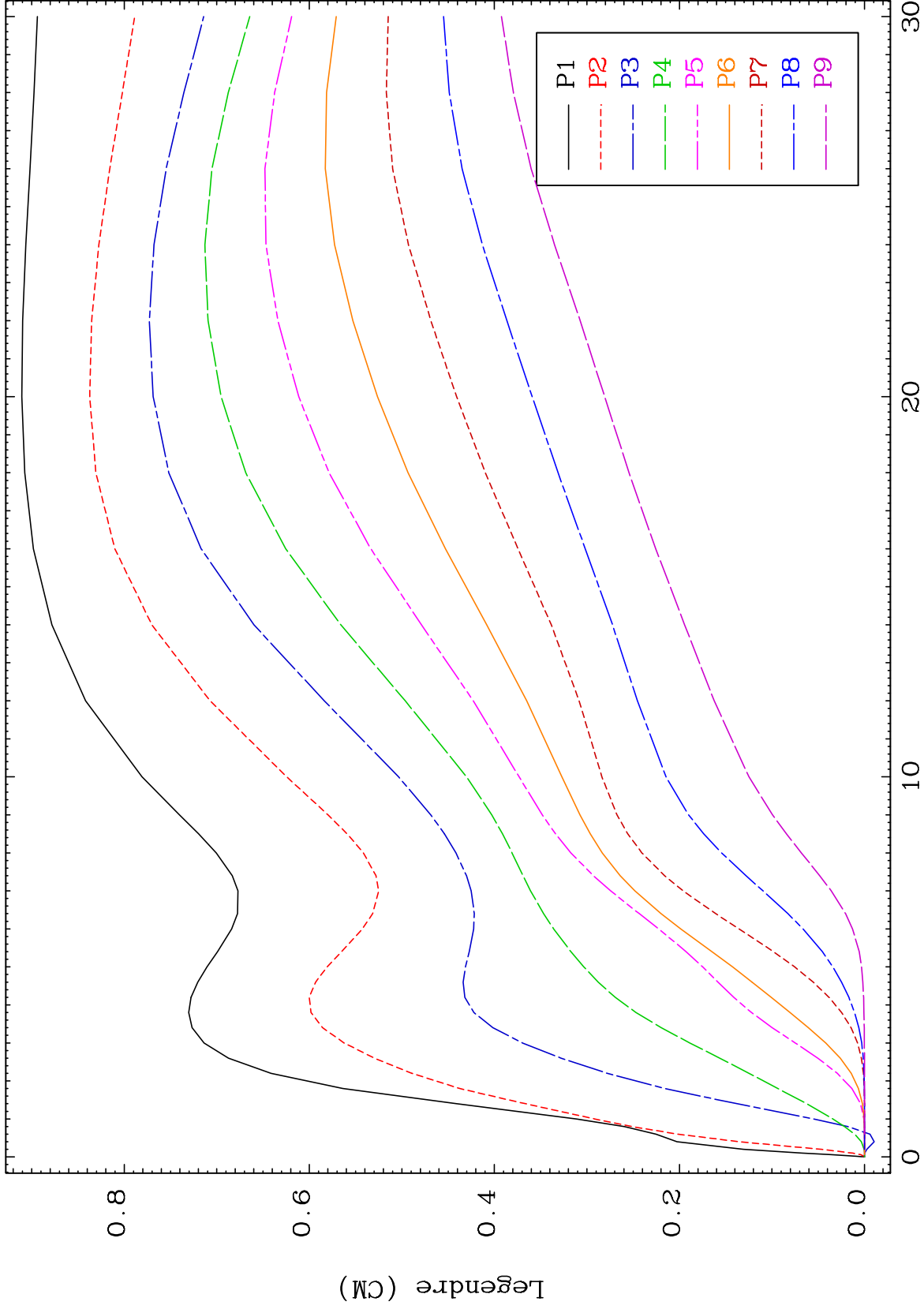
61-Pm-143



MAT 6137

Elastic Legendre Coefficients

61-Pm-143



16

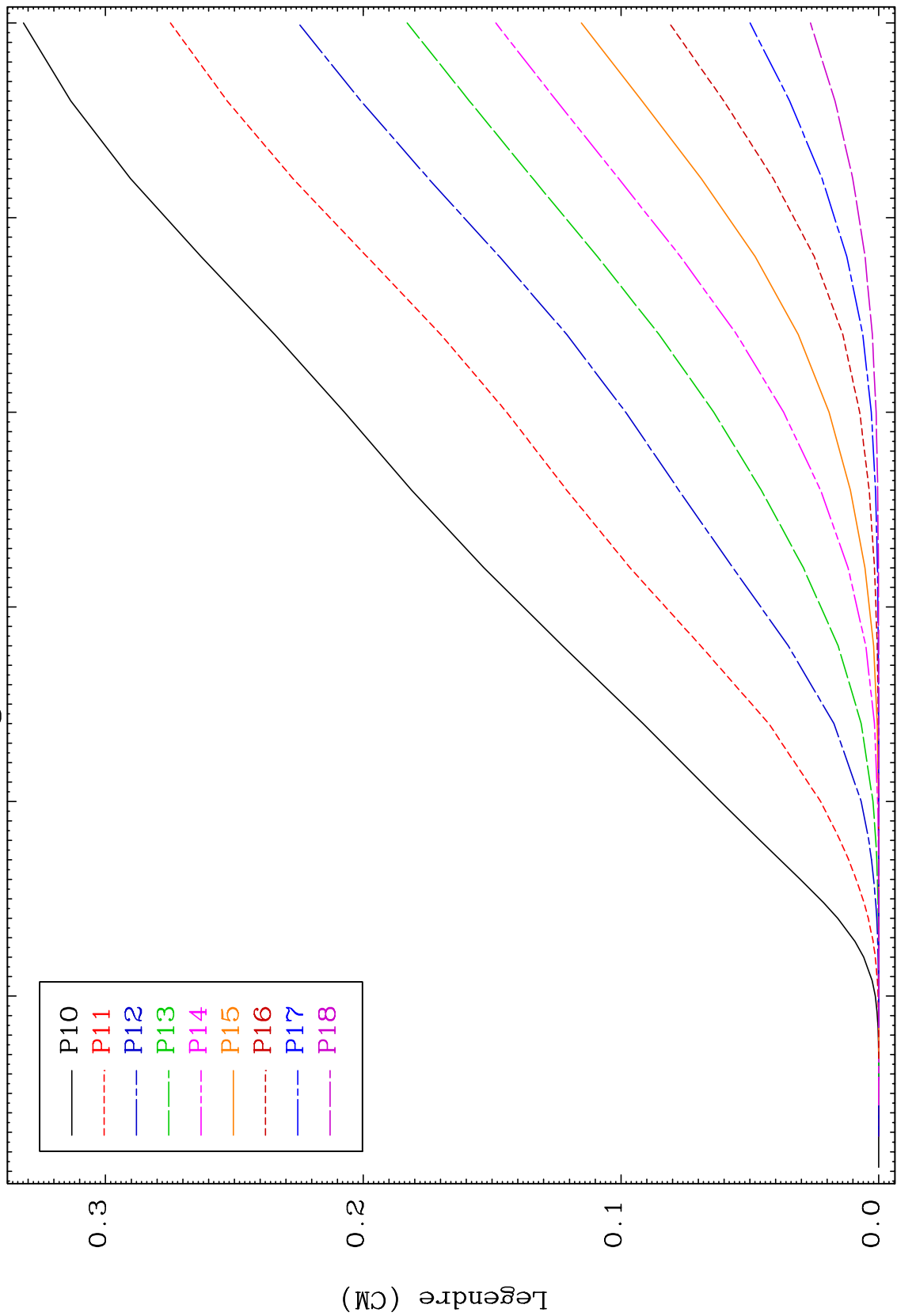
Incident Energy (MeV)

61-Pm-143

MAT 6137

Elastic Legendre Coefficients

61-Pm-143



17

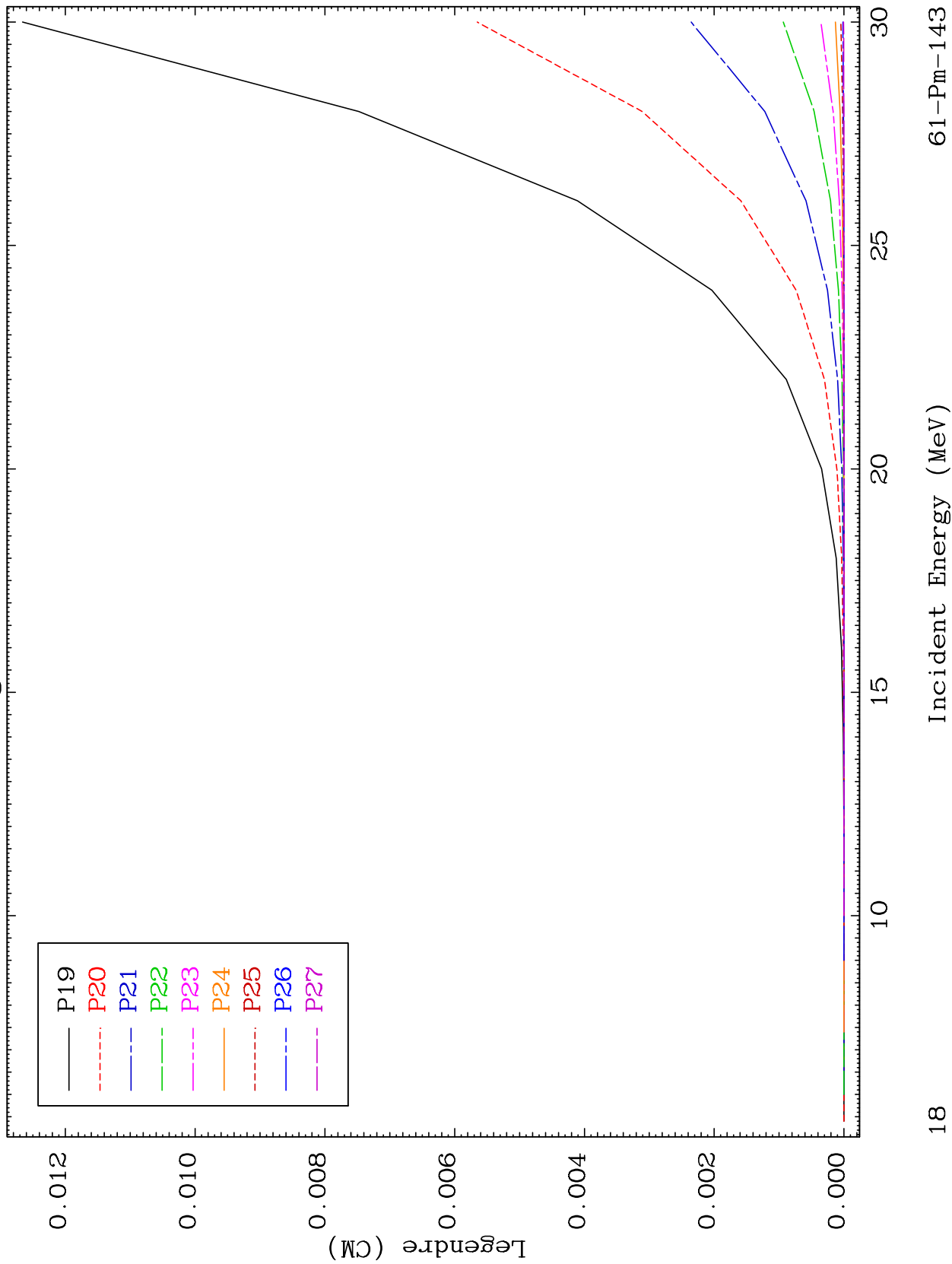
Incident Energy (MeV)

61-Pm-143

MAT 6137

Elastic Legendre Coefficients

61-Pm-143



18

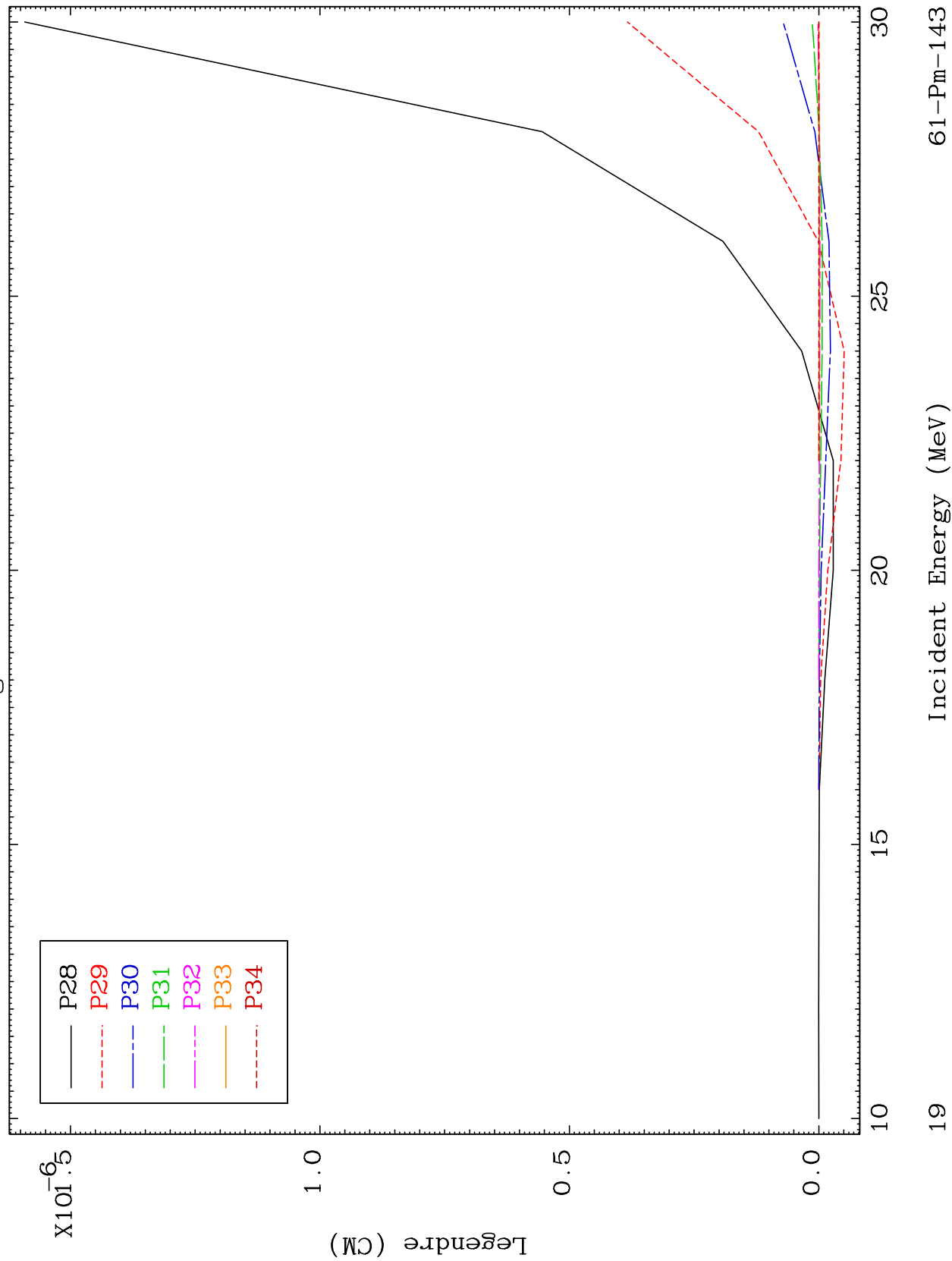
Incident Energy (MeV)

61-Pm-143

MAT 6137

Elastic Legendre Coefficients

61-Pm-143



19

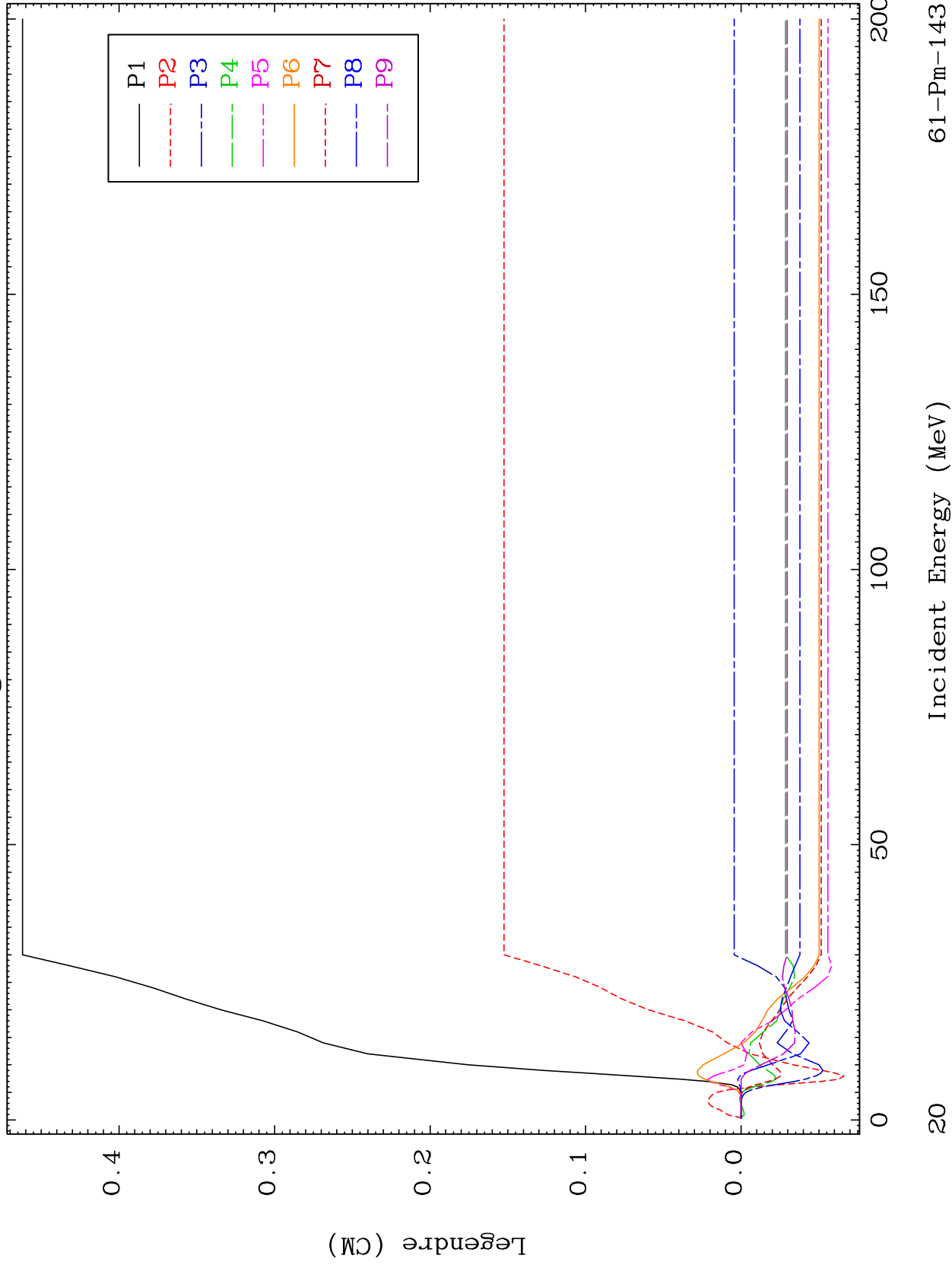
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



61-Pm-143

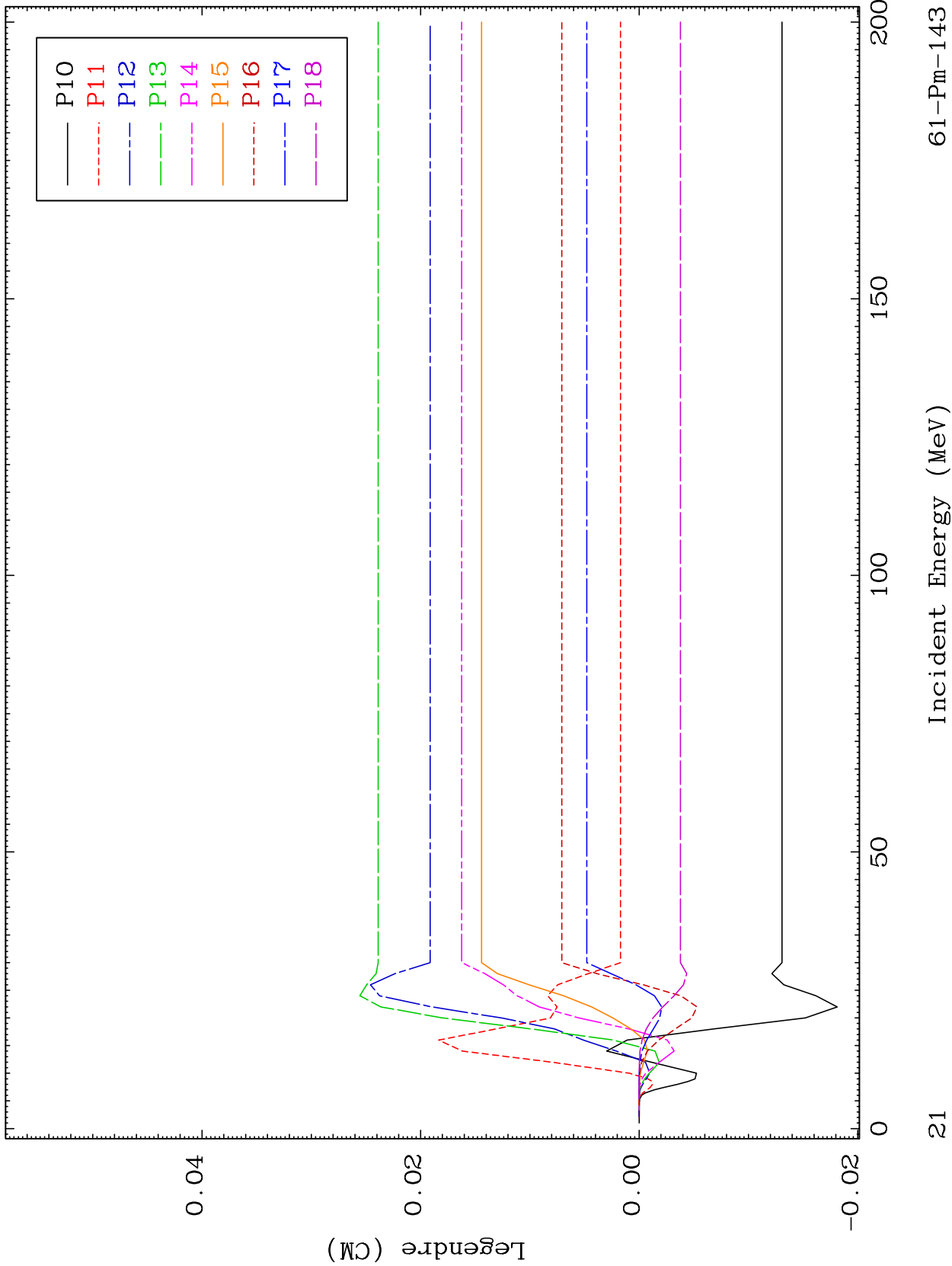
Incident Energy (MeV)

0

MAT 6137

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

61-Pm-143



61-Pm-143

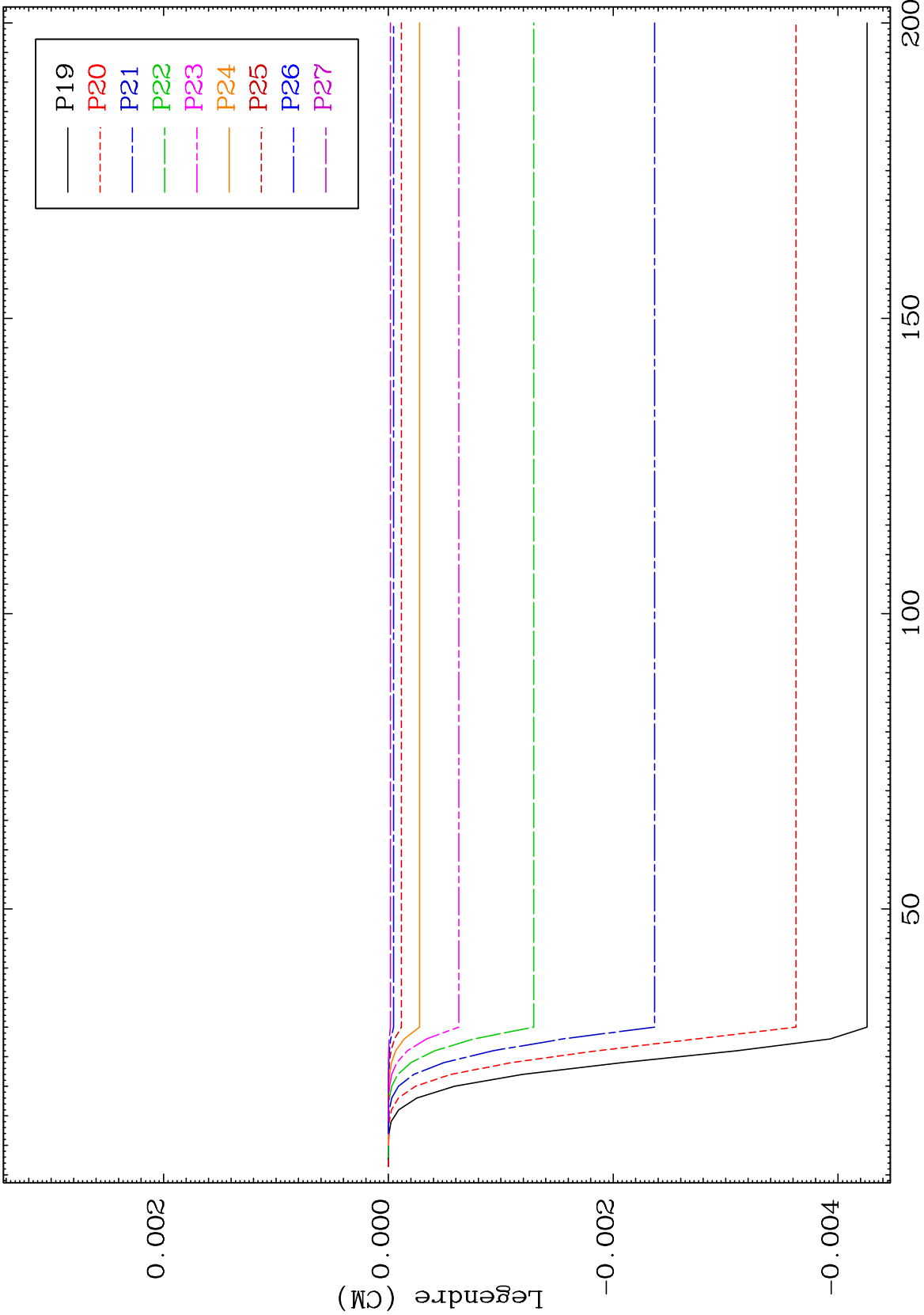
Incident Energy (MeV)

21

MAT 6137

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

61-Pm-143



22

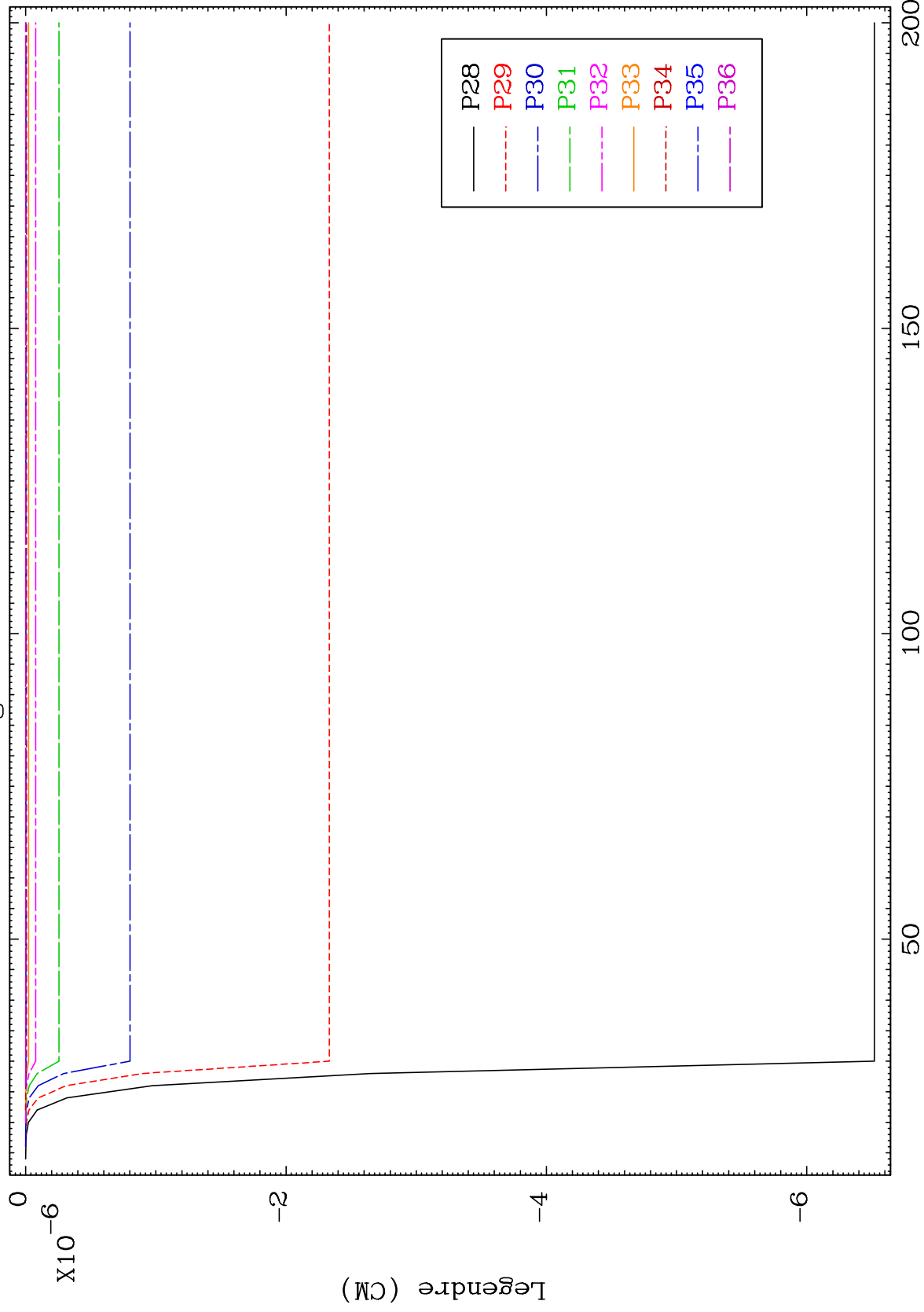
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



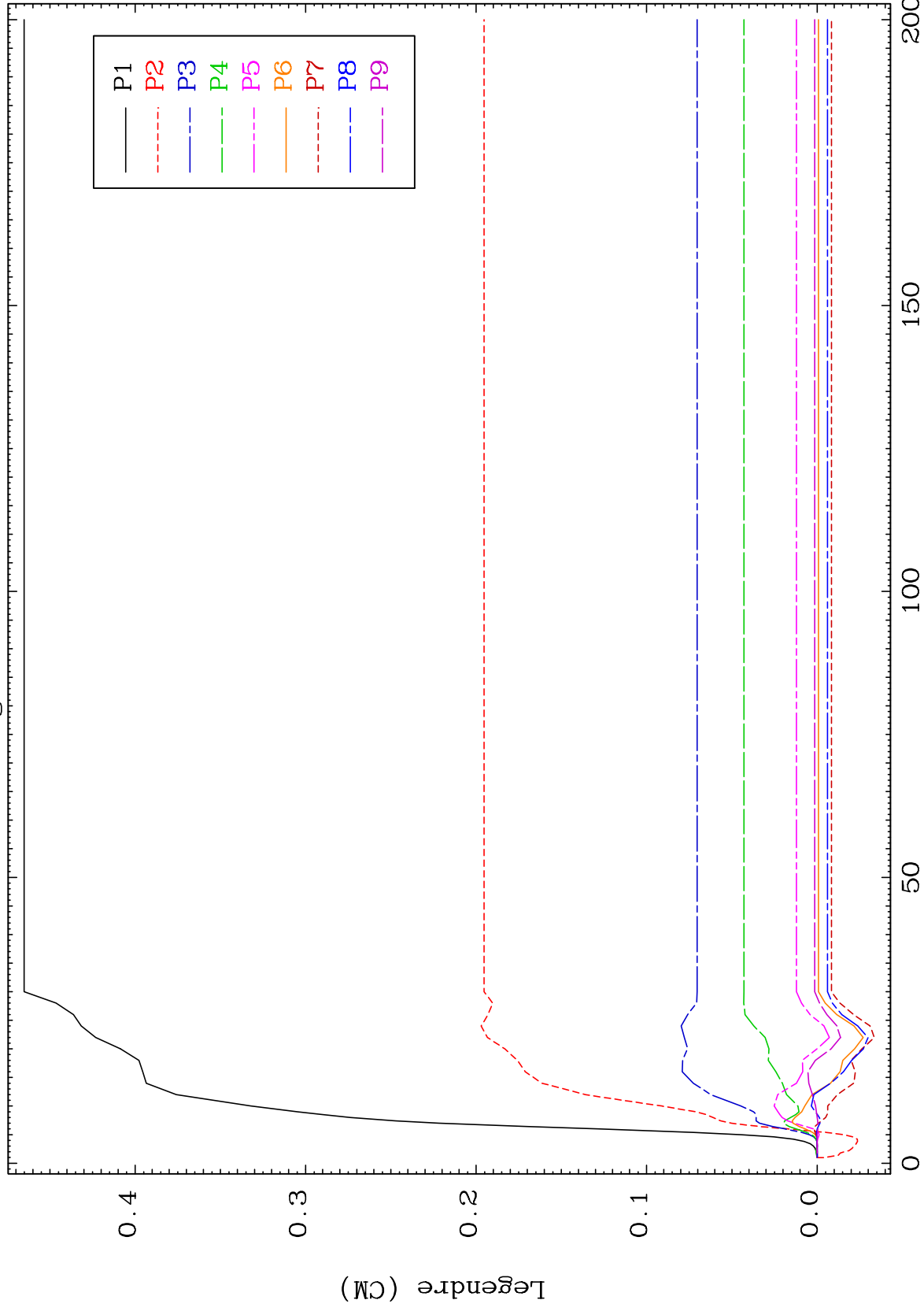
23

61-Pm-143

MAT 6137

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

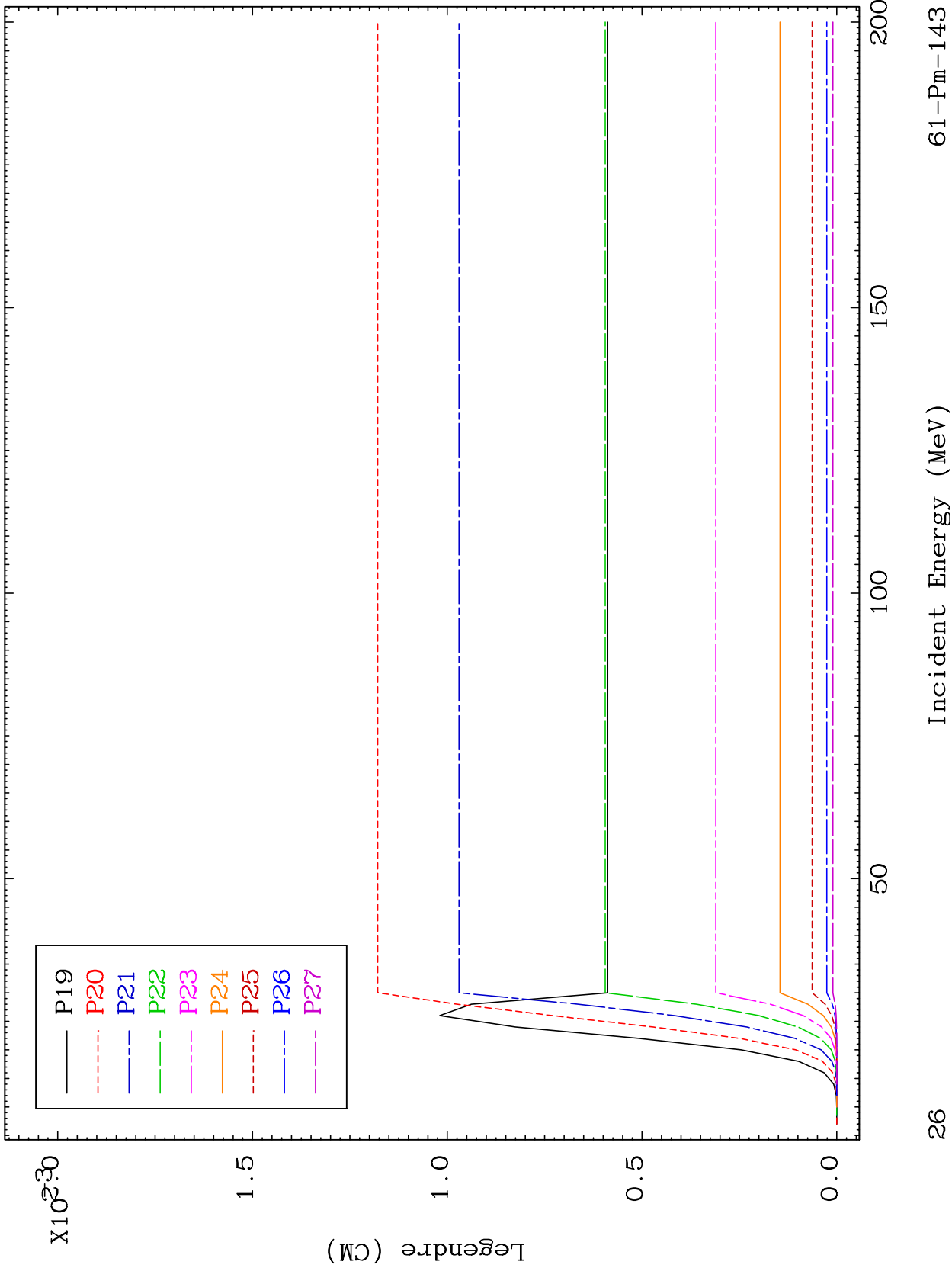
61-Pm-143



24

Incident Energy (MeV)

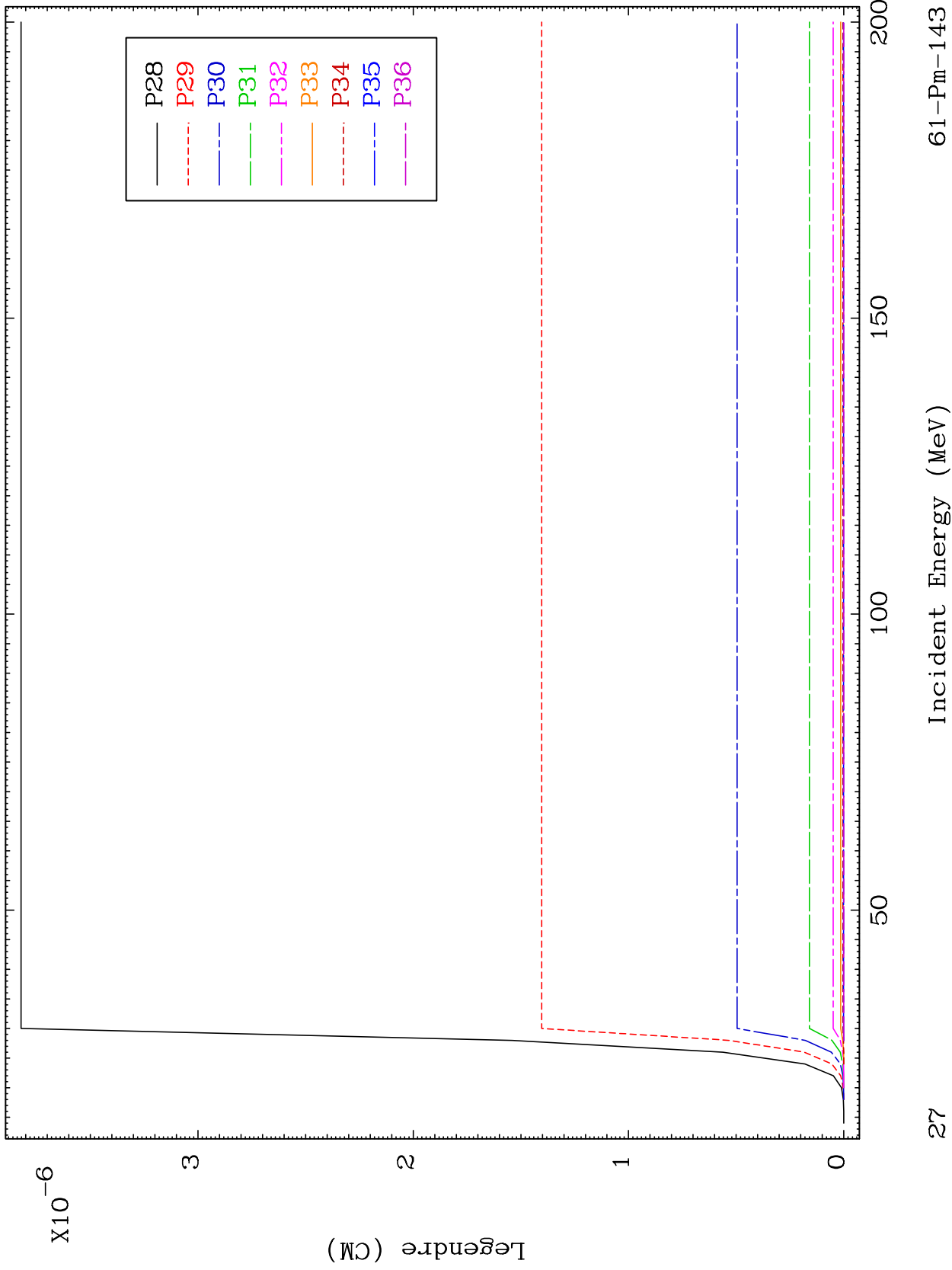
61-Pm-143



MAT 6137

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

61-Pm-143



27

Incident Energy (MeV)

61-Pm-143

200

150

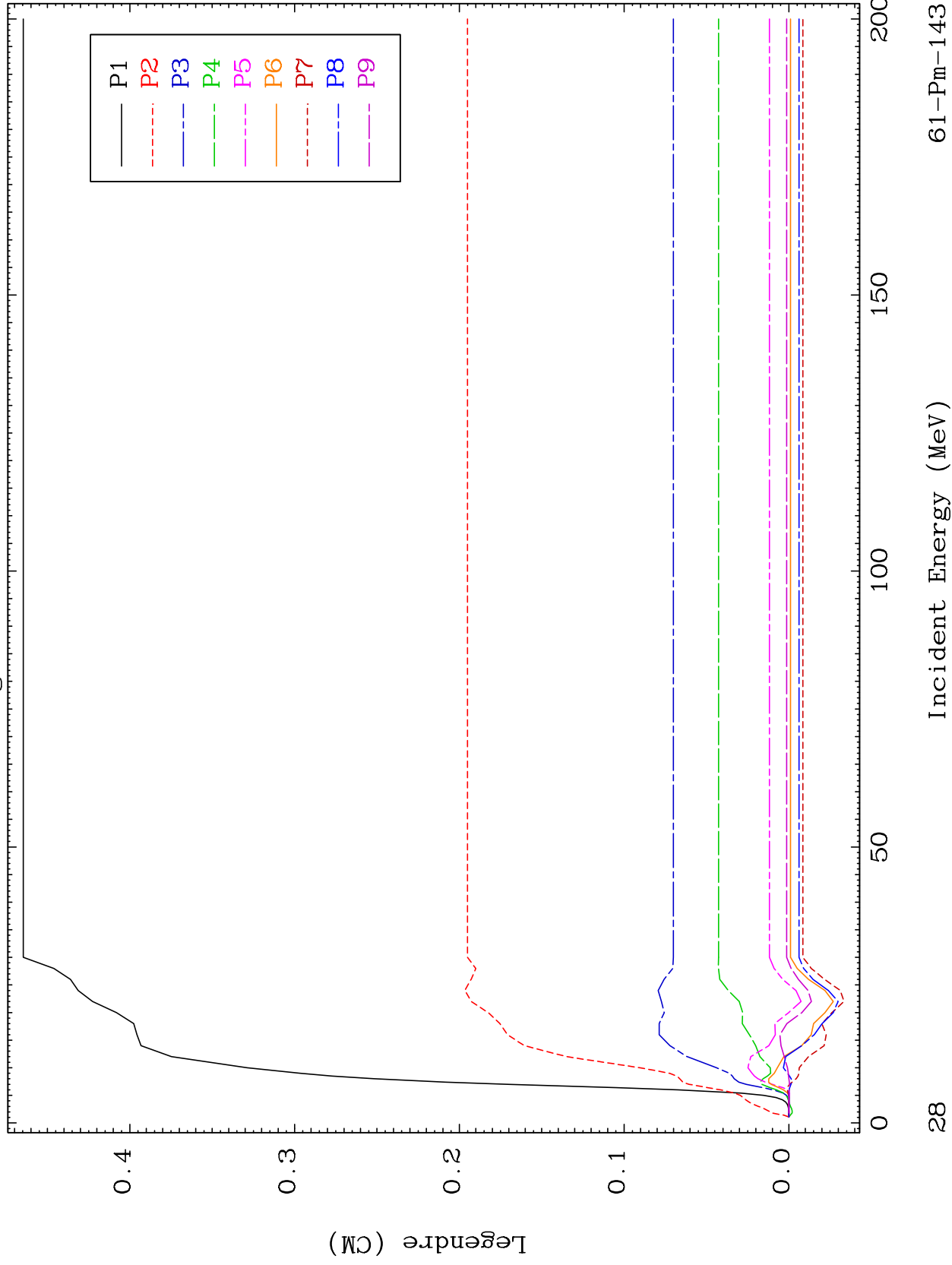
100

50

MAT 6137

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

61-Pm-143



61-Pm-143

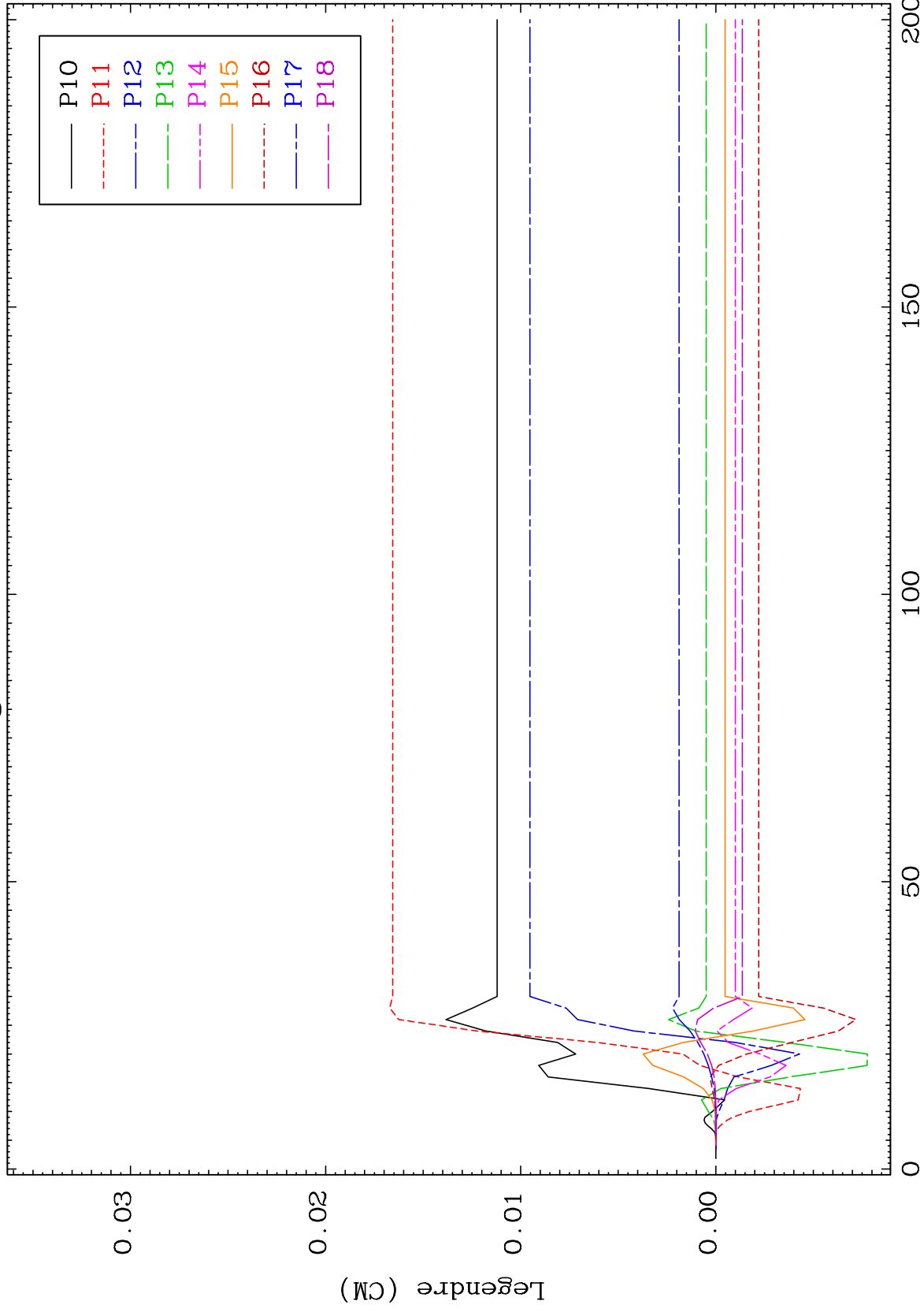
Incident Energy (MeV)

28

MAT 6137

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

61-Pm-143



29

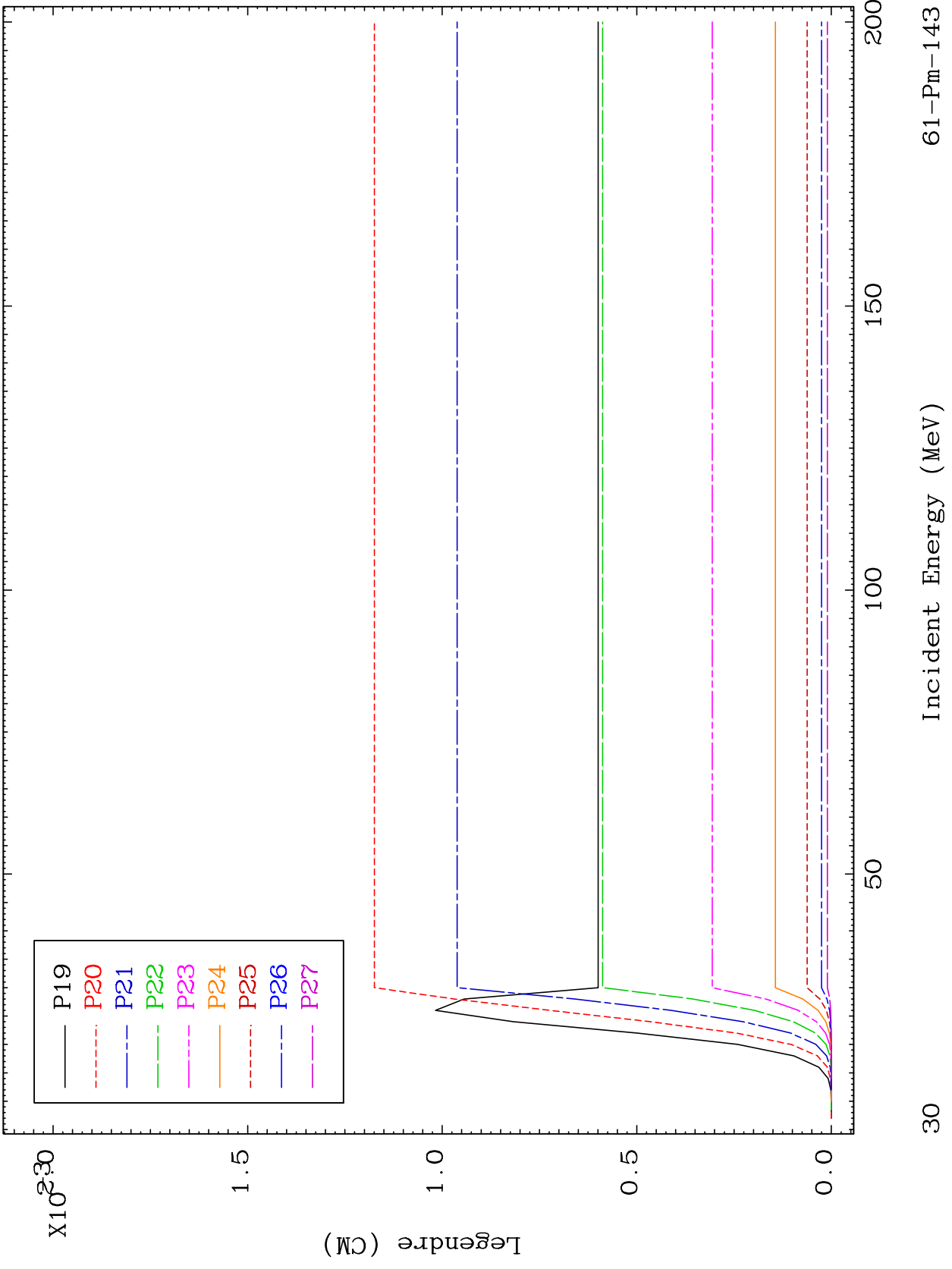
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



30

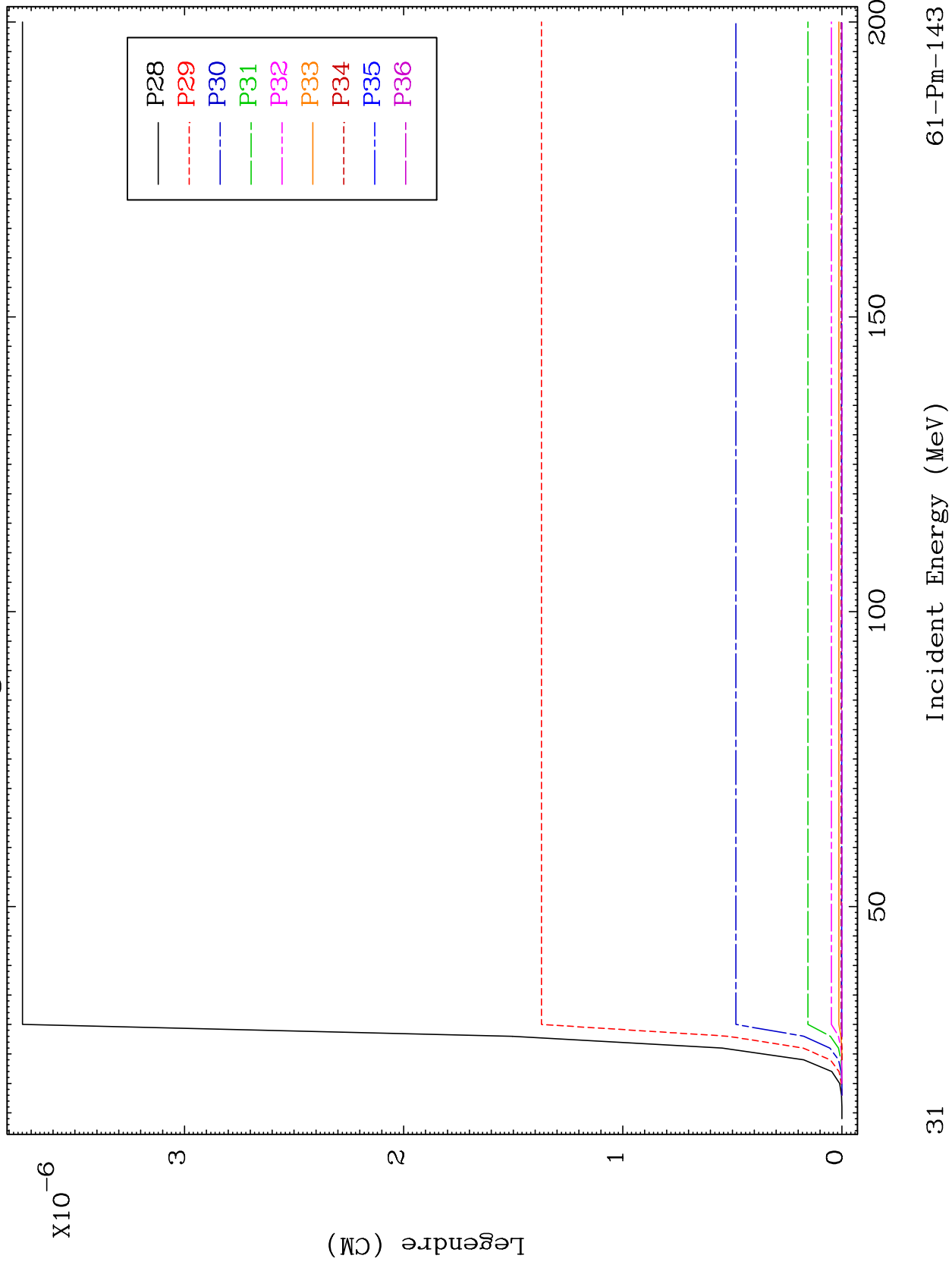
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



31

Incident Energy (MeV)

61-Pm-143

200

150

100

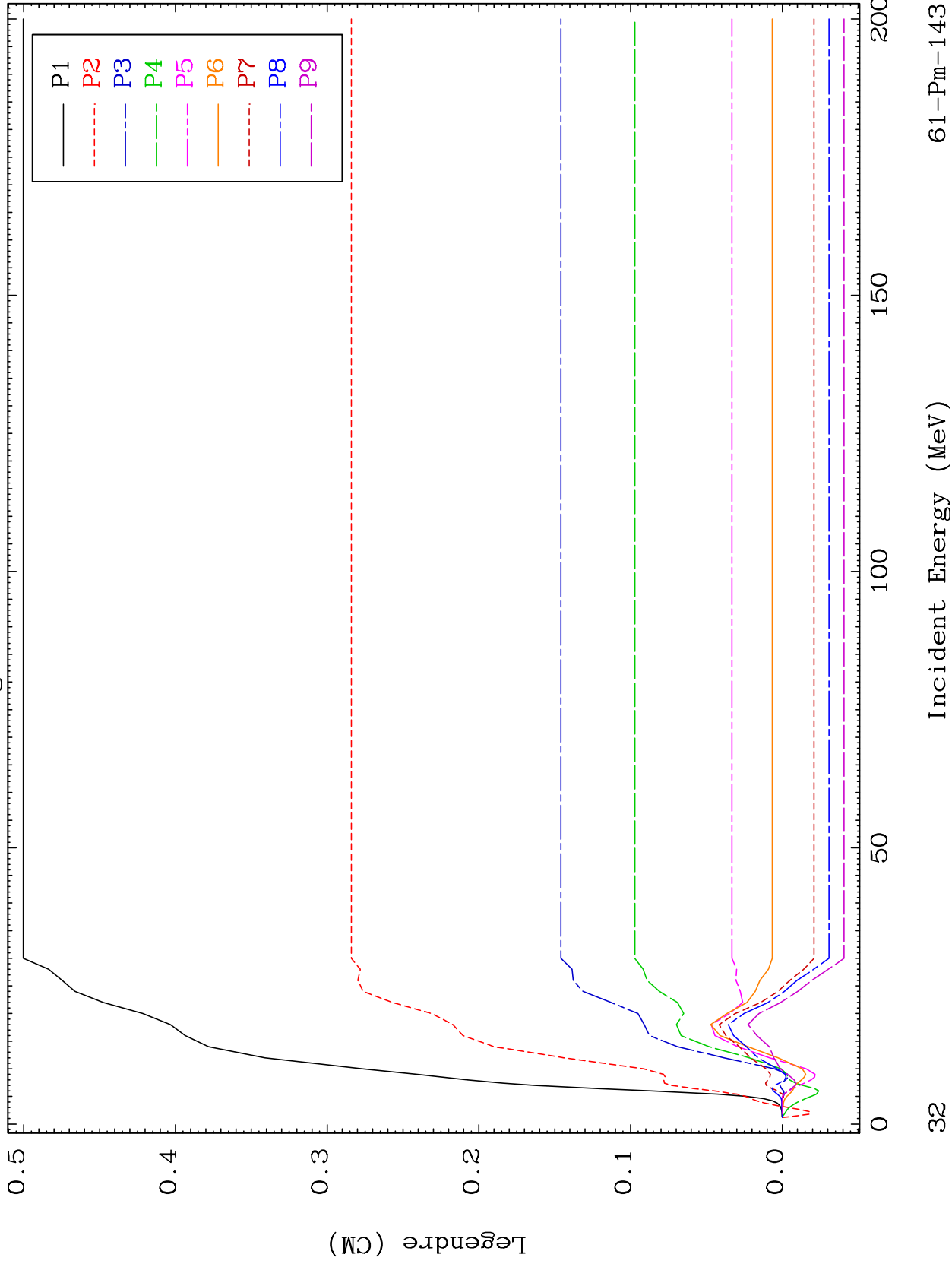
50

MAT 6137

MT= 54 (n,n') Level

61-Pm-143

Legendre Coefficients



32

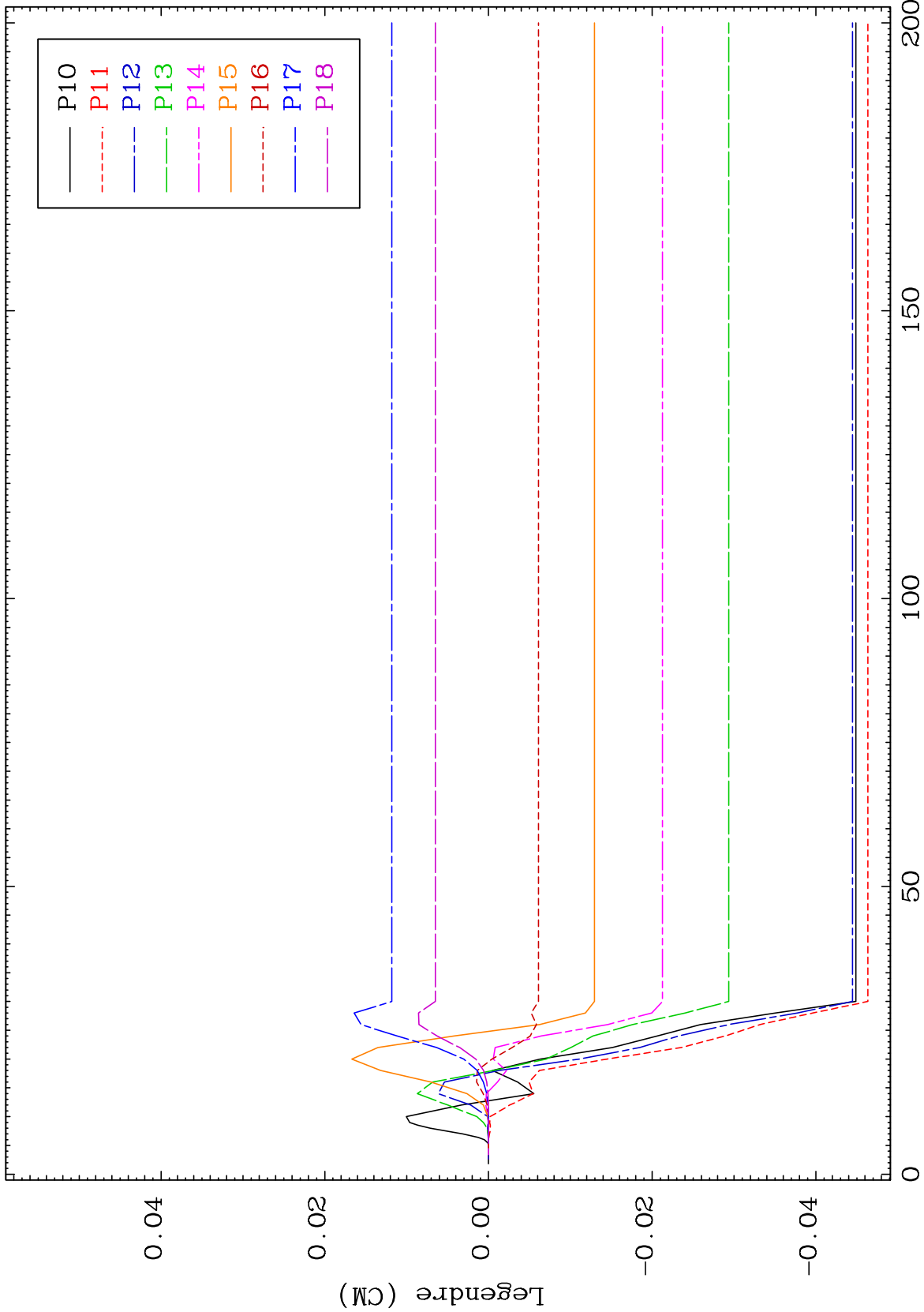
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

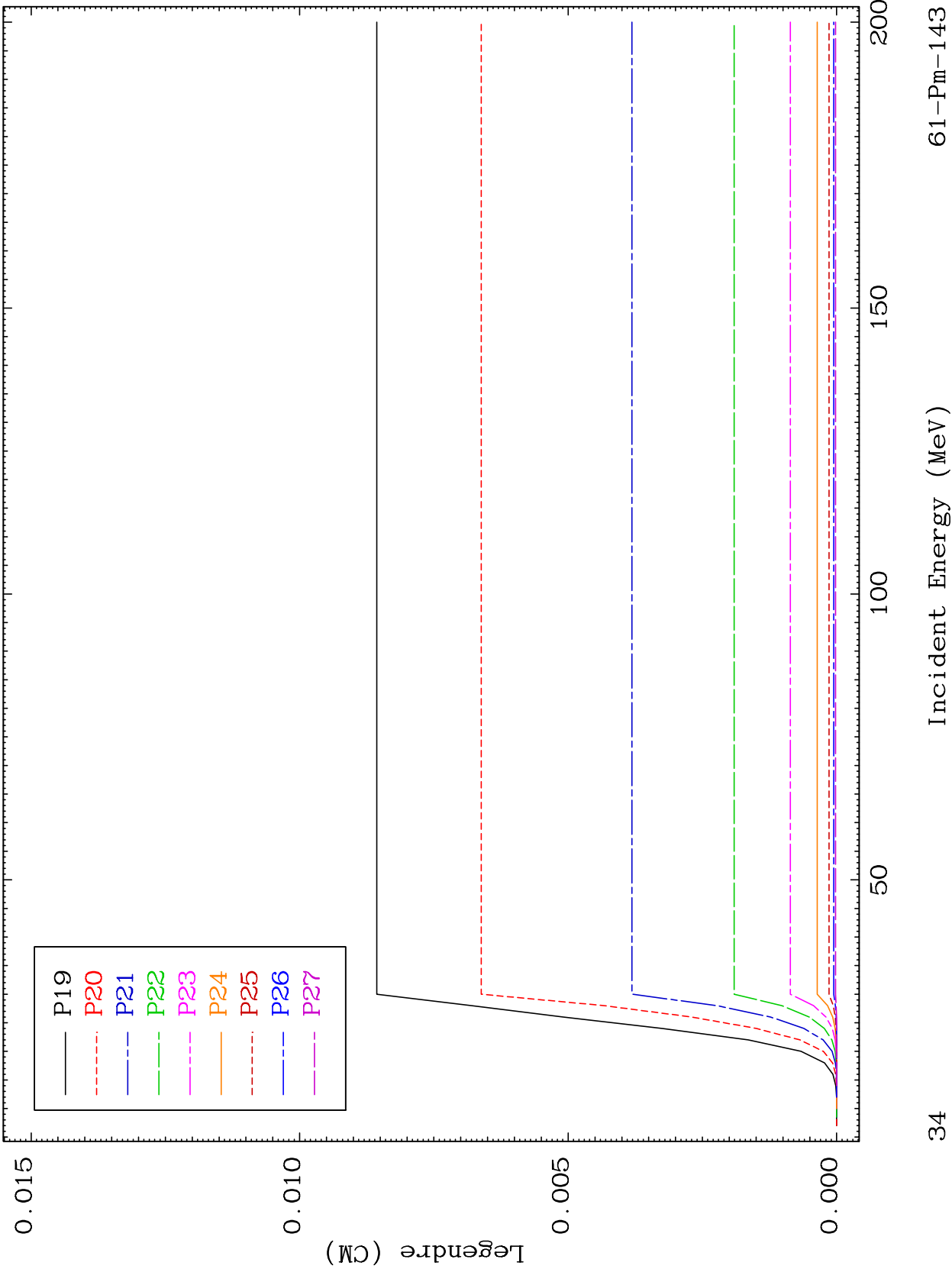
61-Pm-143



33

Incident Energy (MeV)

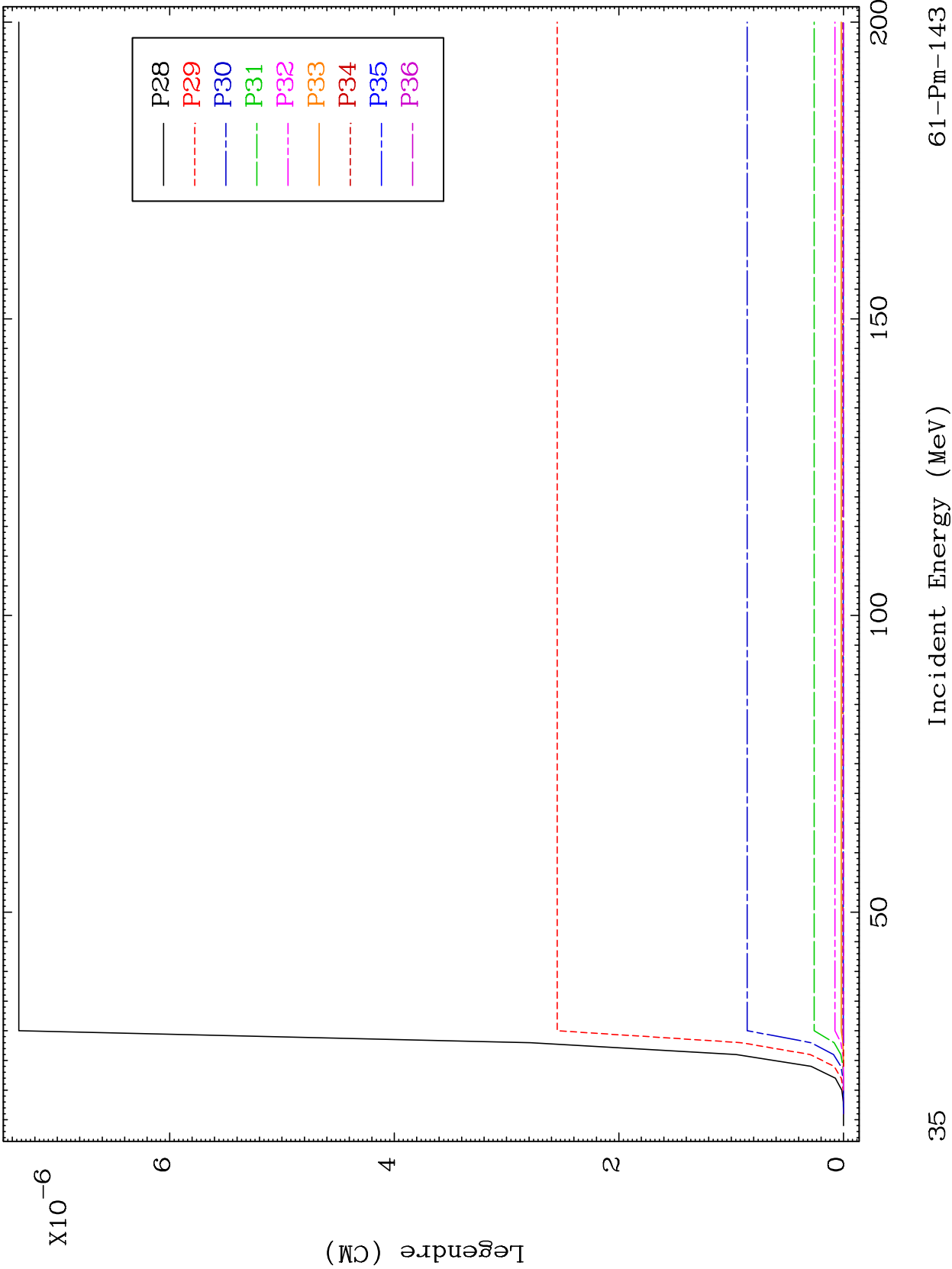
61-Pm-143



MAT 6137

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

61-Pm-143



35

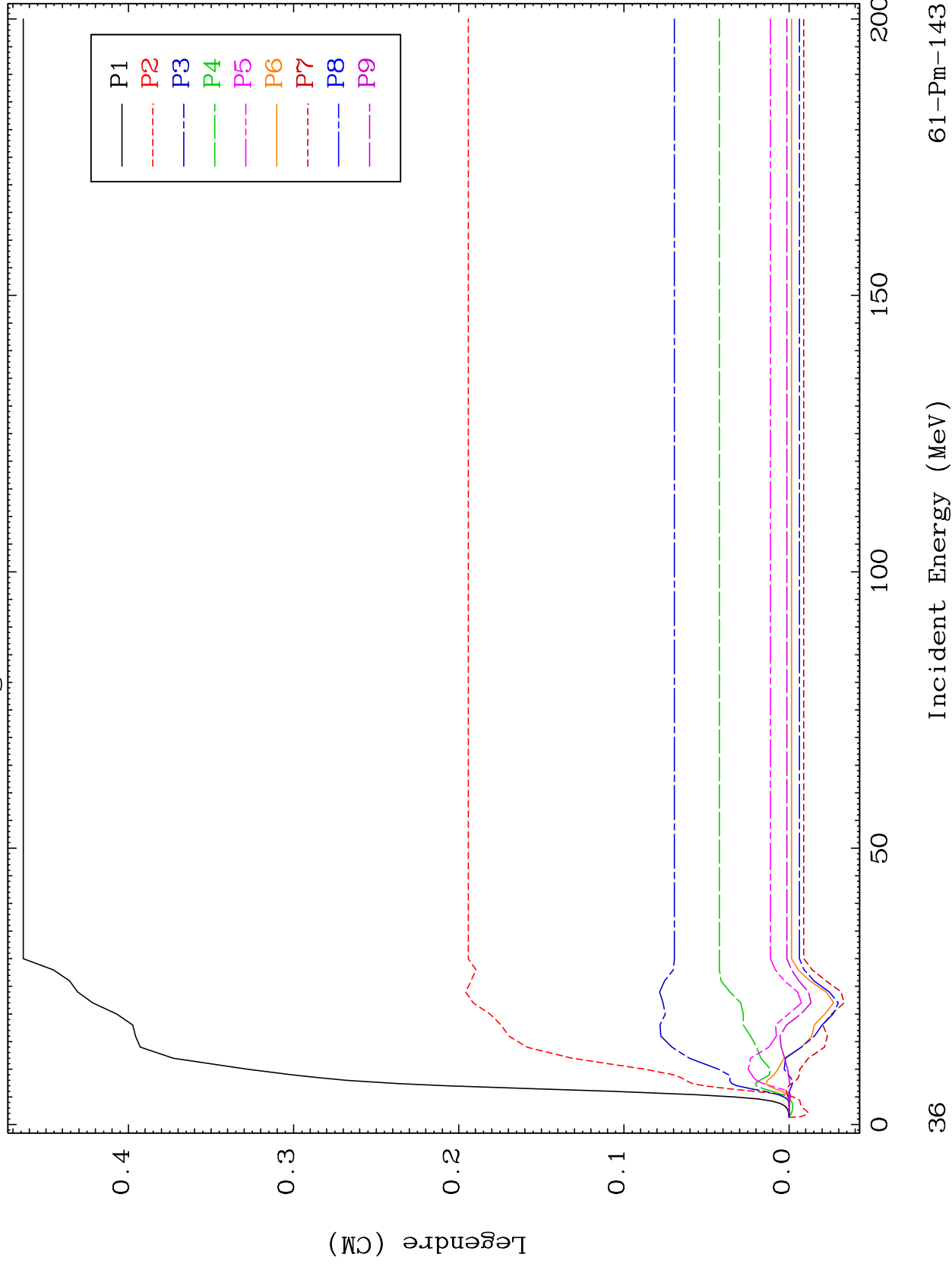
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



61-Pm-143

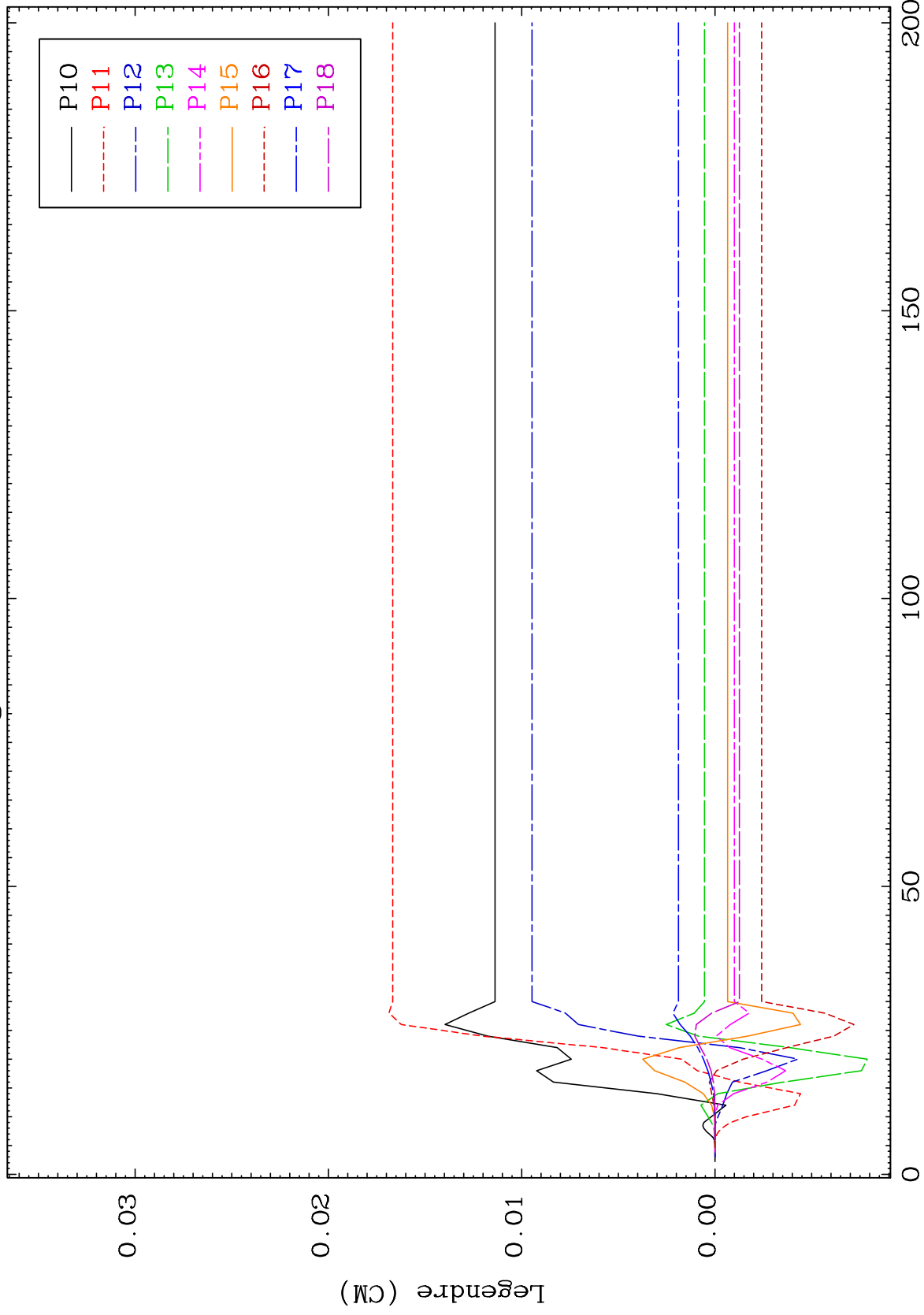
Incident Energy (MeV)

36

MAT 6137

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

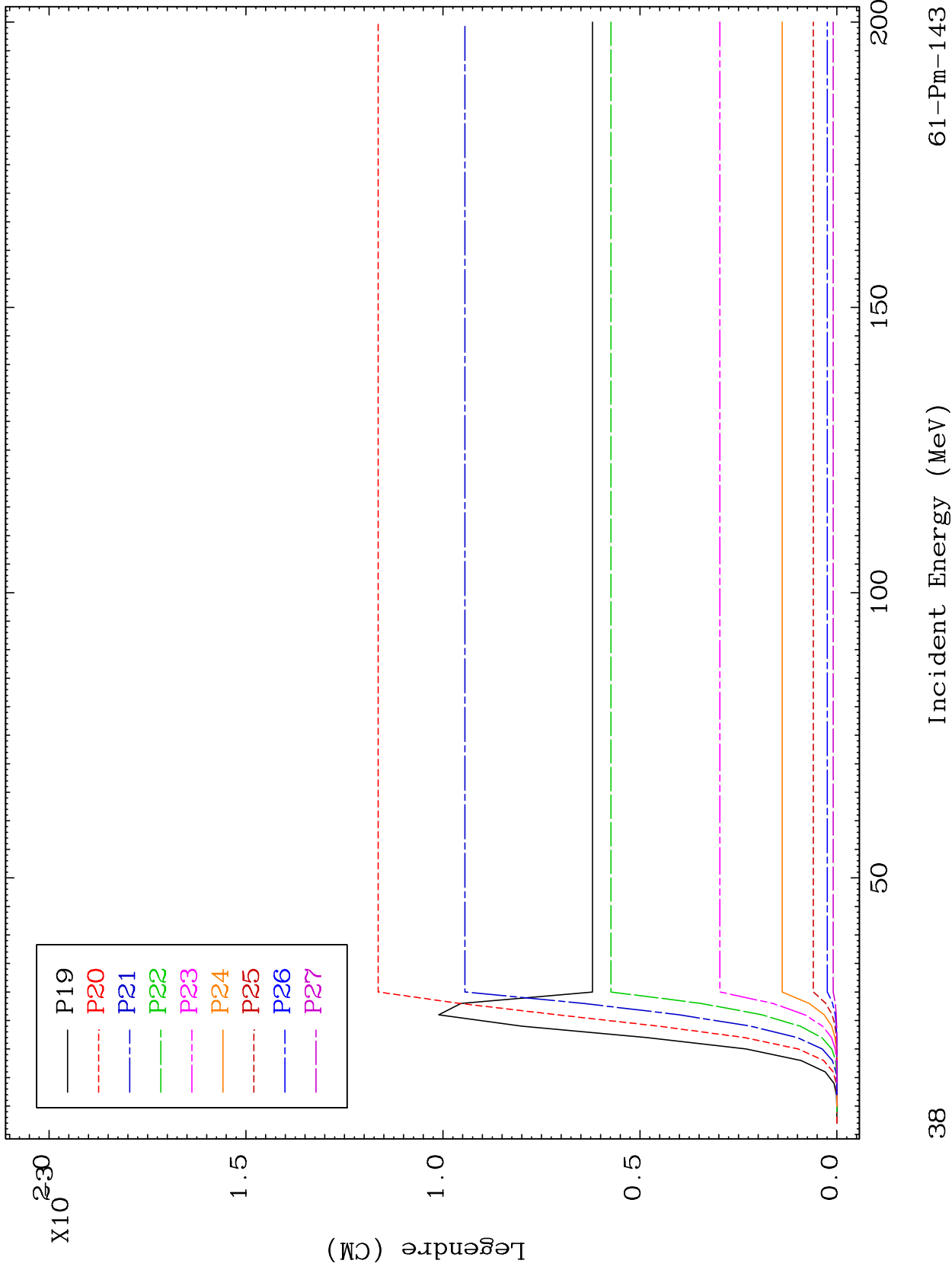
61-Pm-143



37

Incident Energy (MeV)

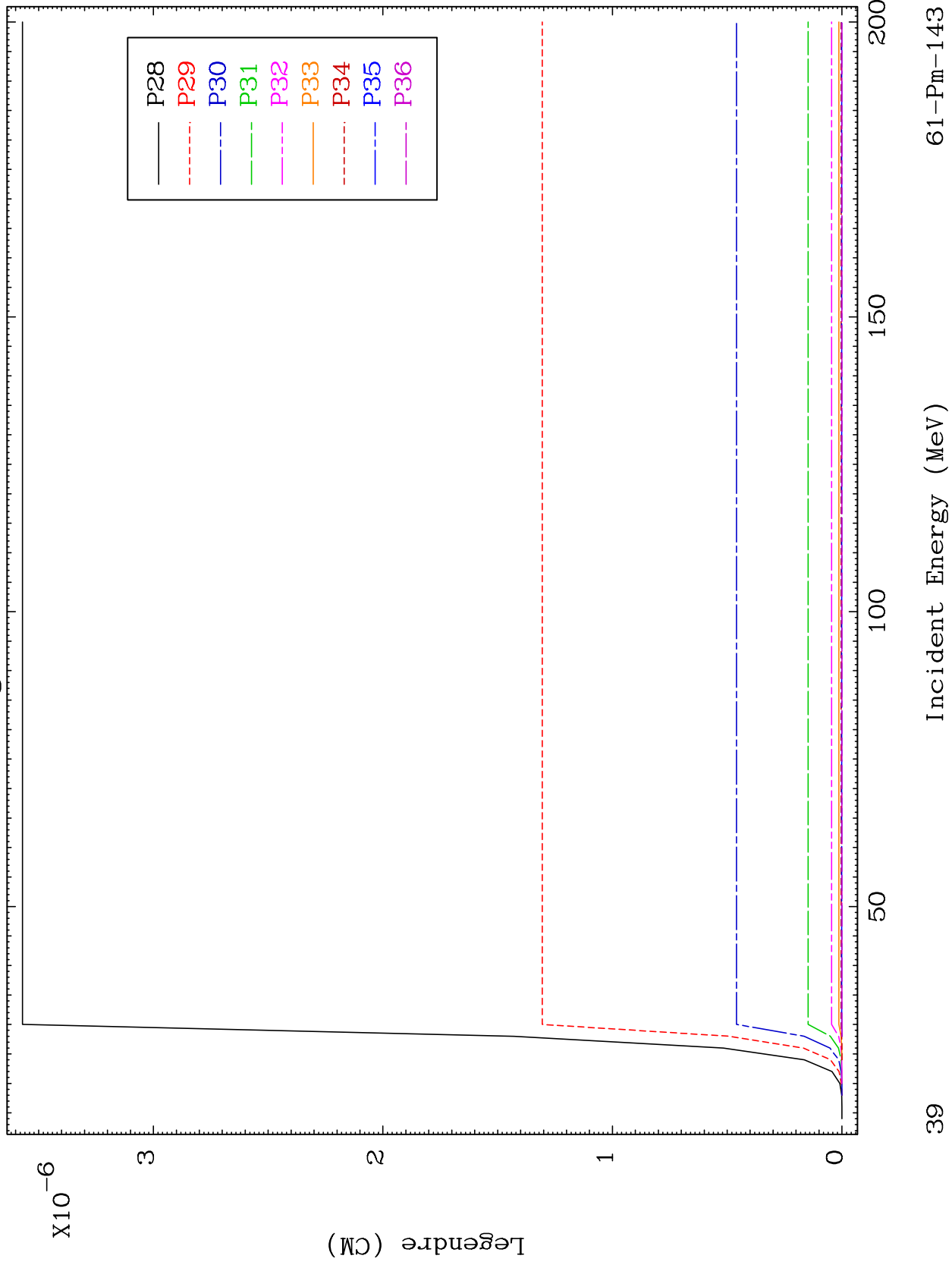
61-Pm-143



MAT 6137

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

61-Pm-143



39

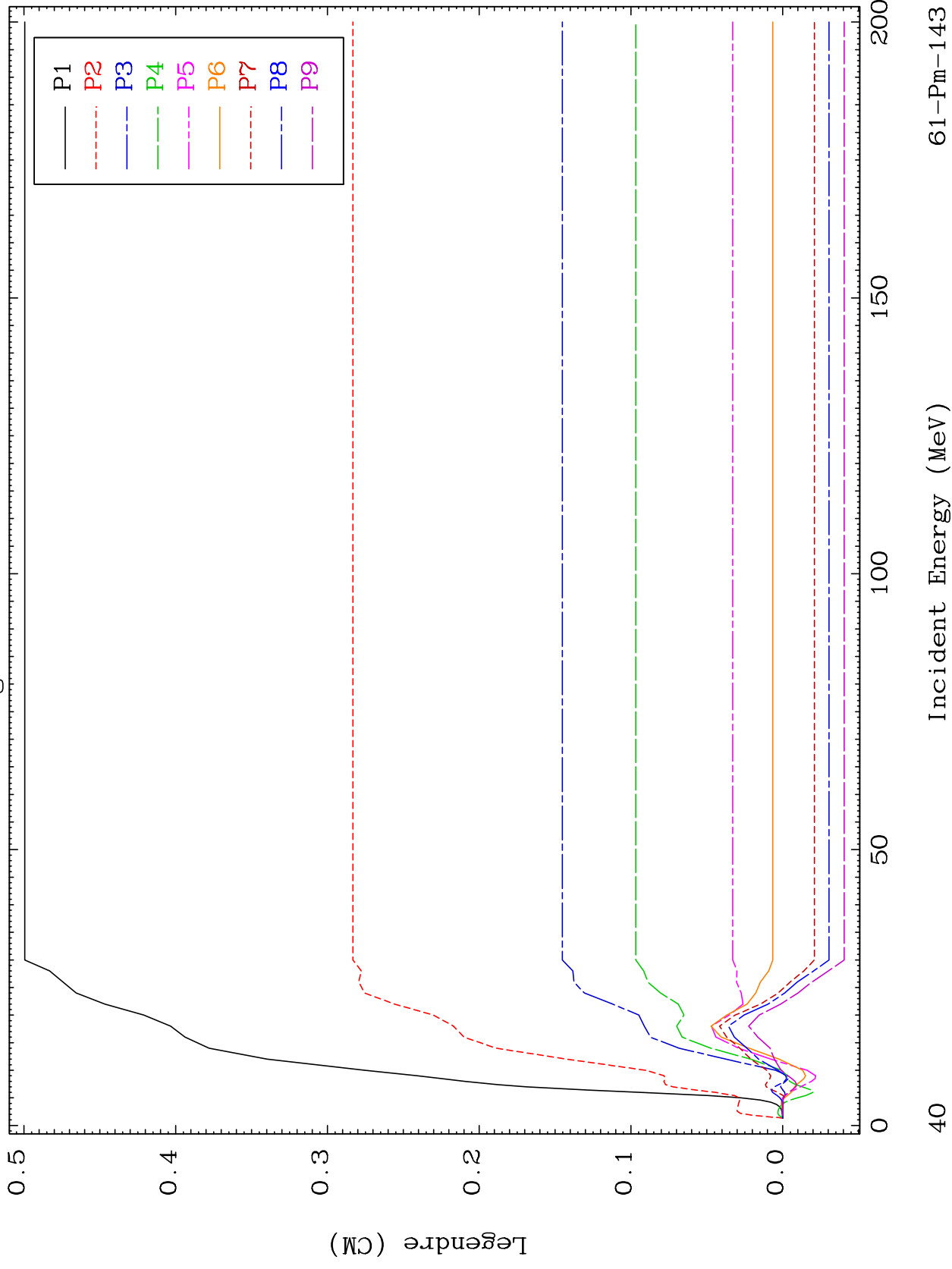
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



61-Pm-143

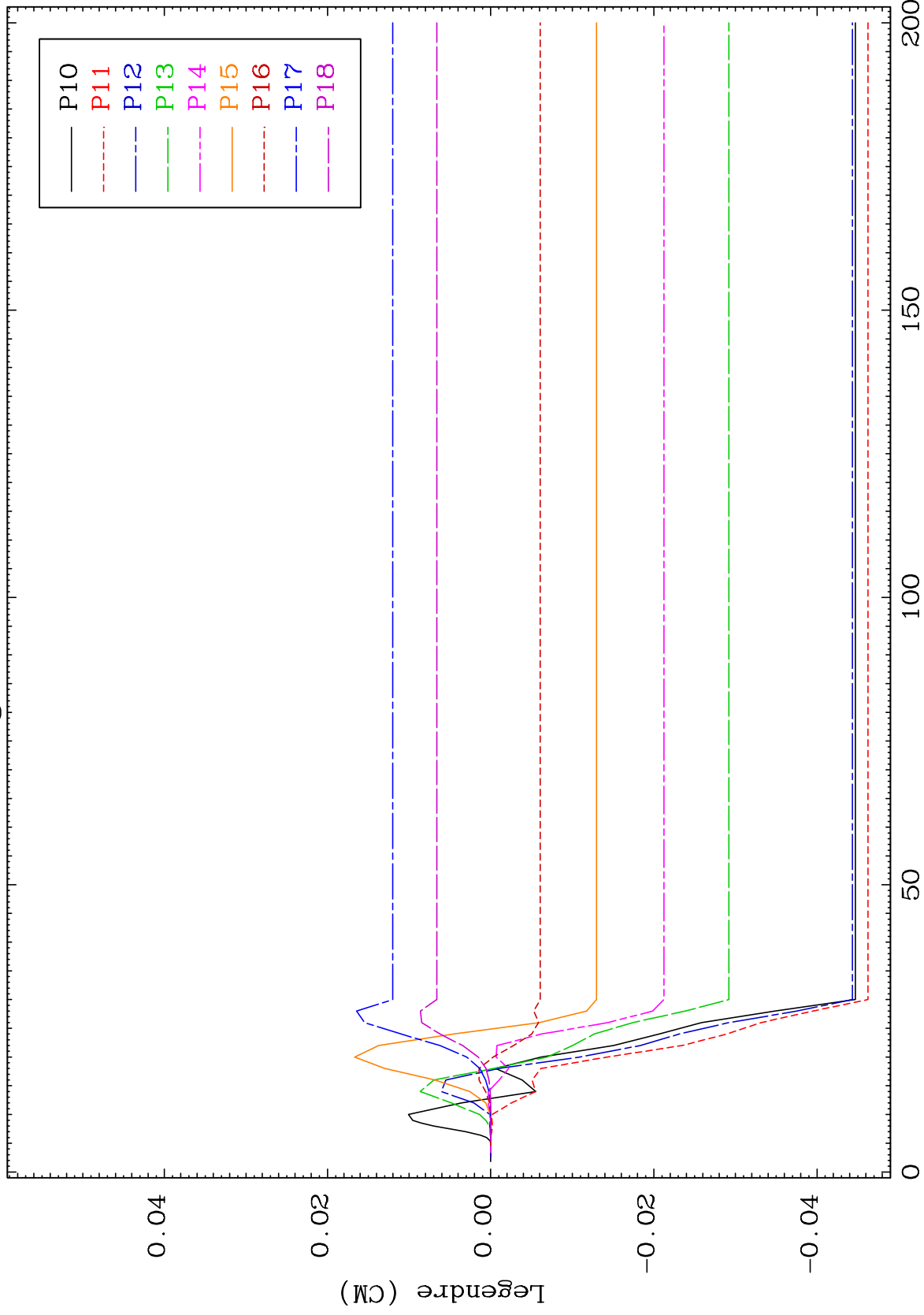
Incident Energy (MeV)

40

MAT 6137

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

61-Pm-143



41

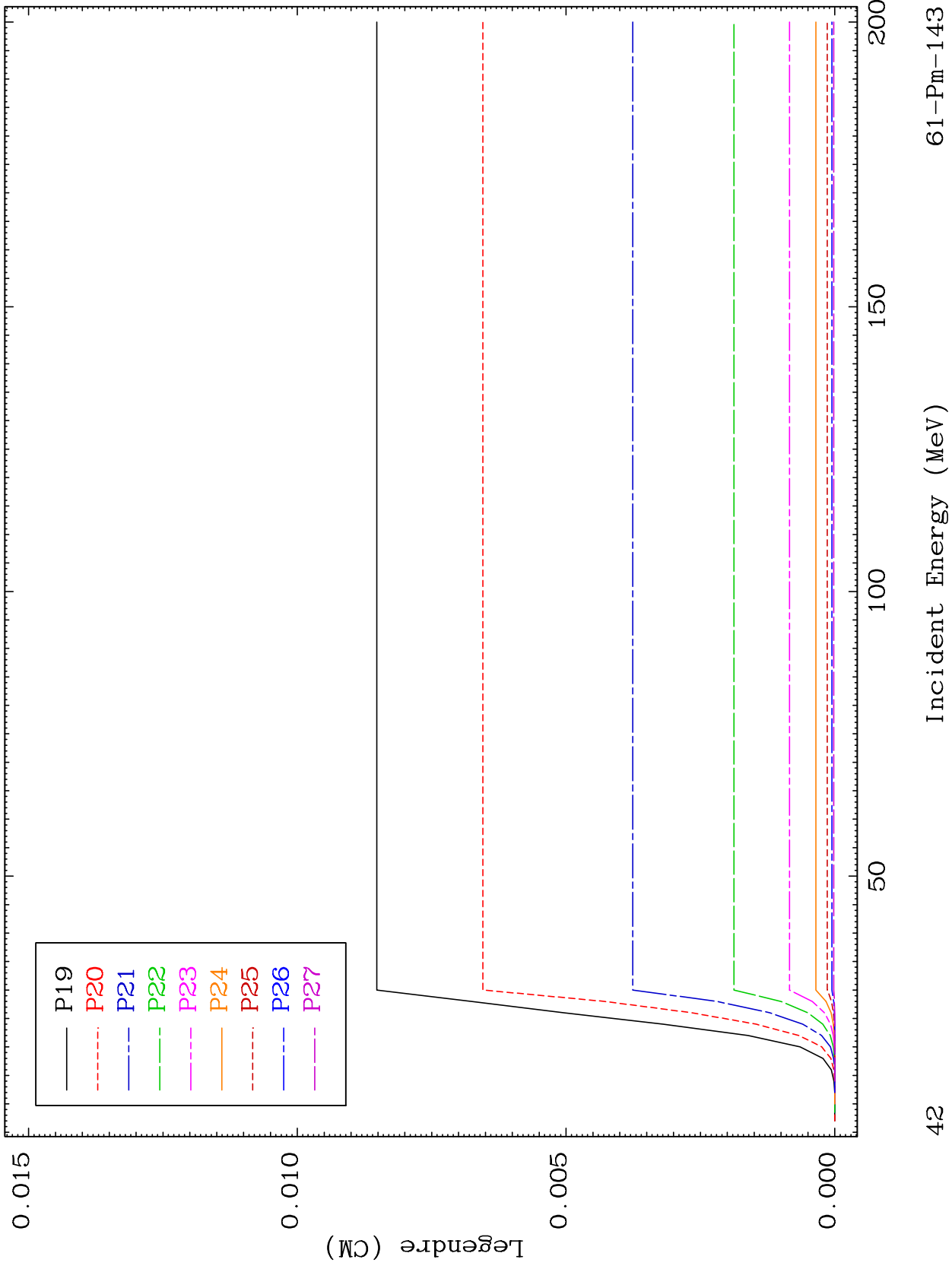
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



42

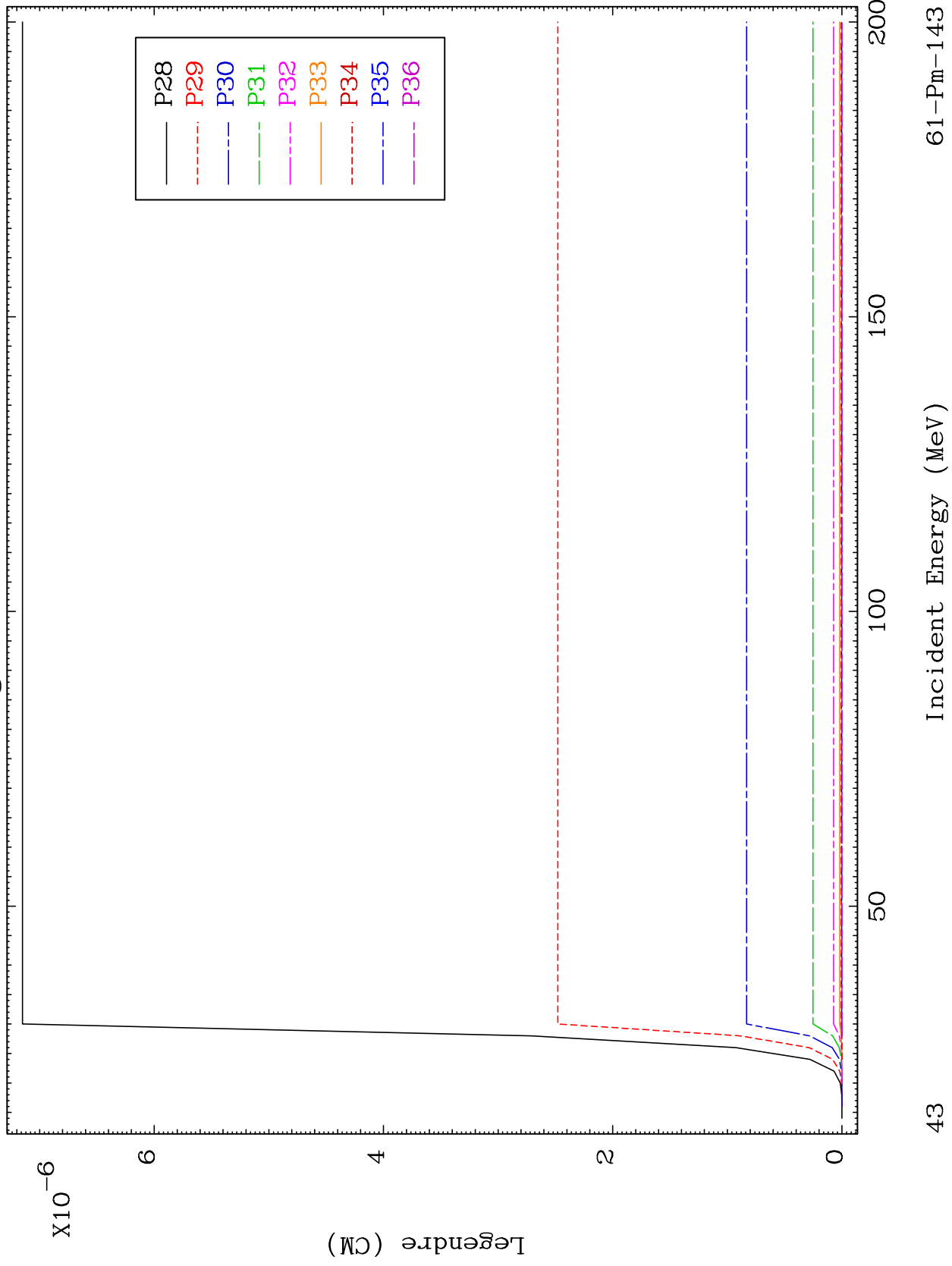
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



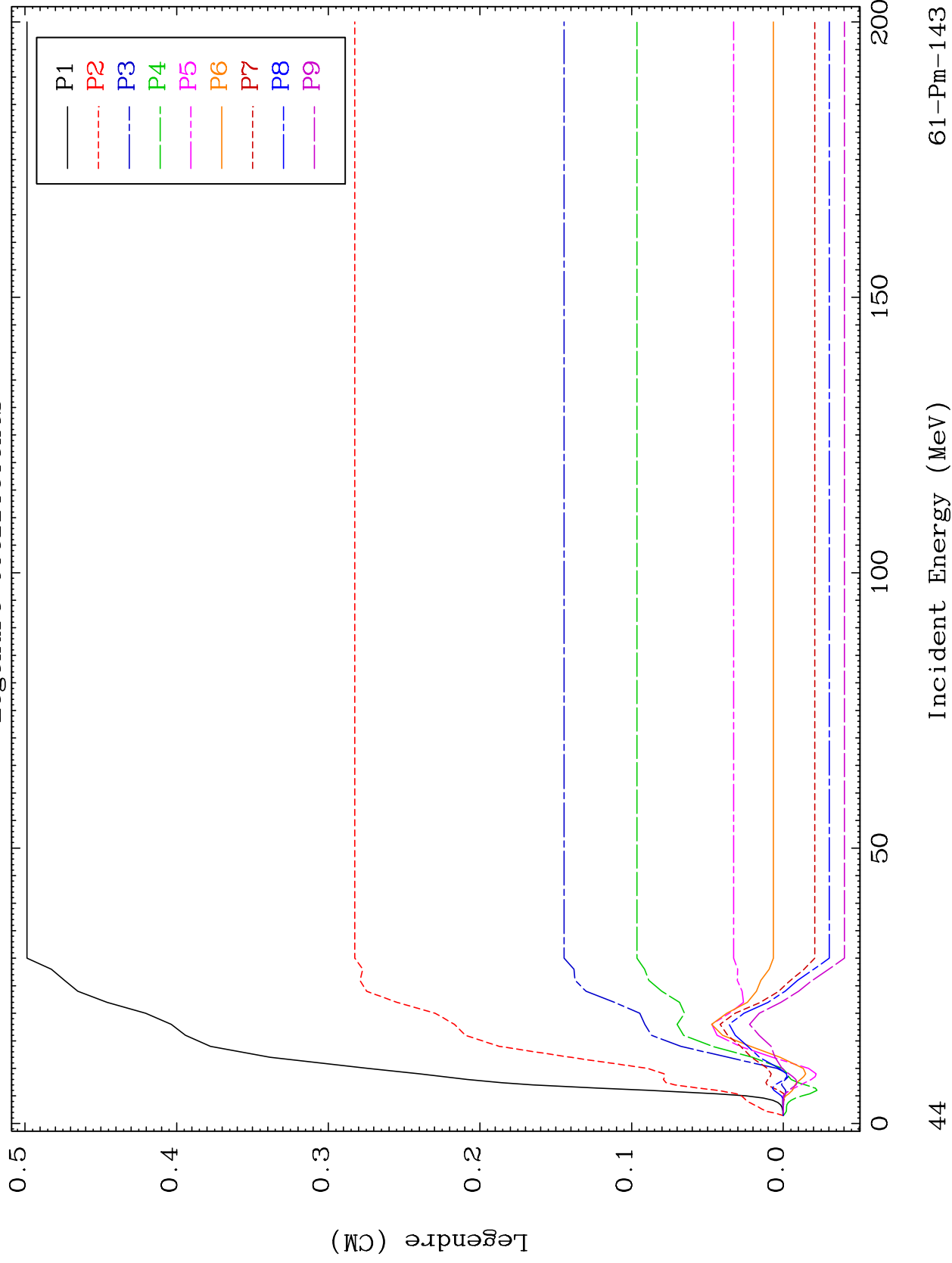
43

61-Pm-143

MAT 6137

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

61-Pm-143



44

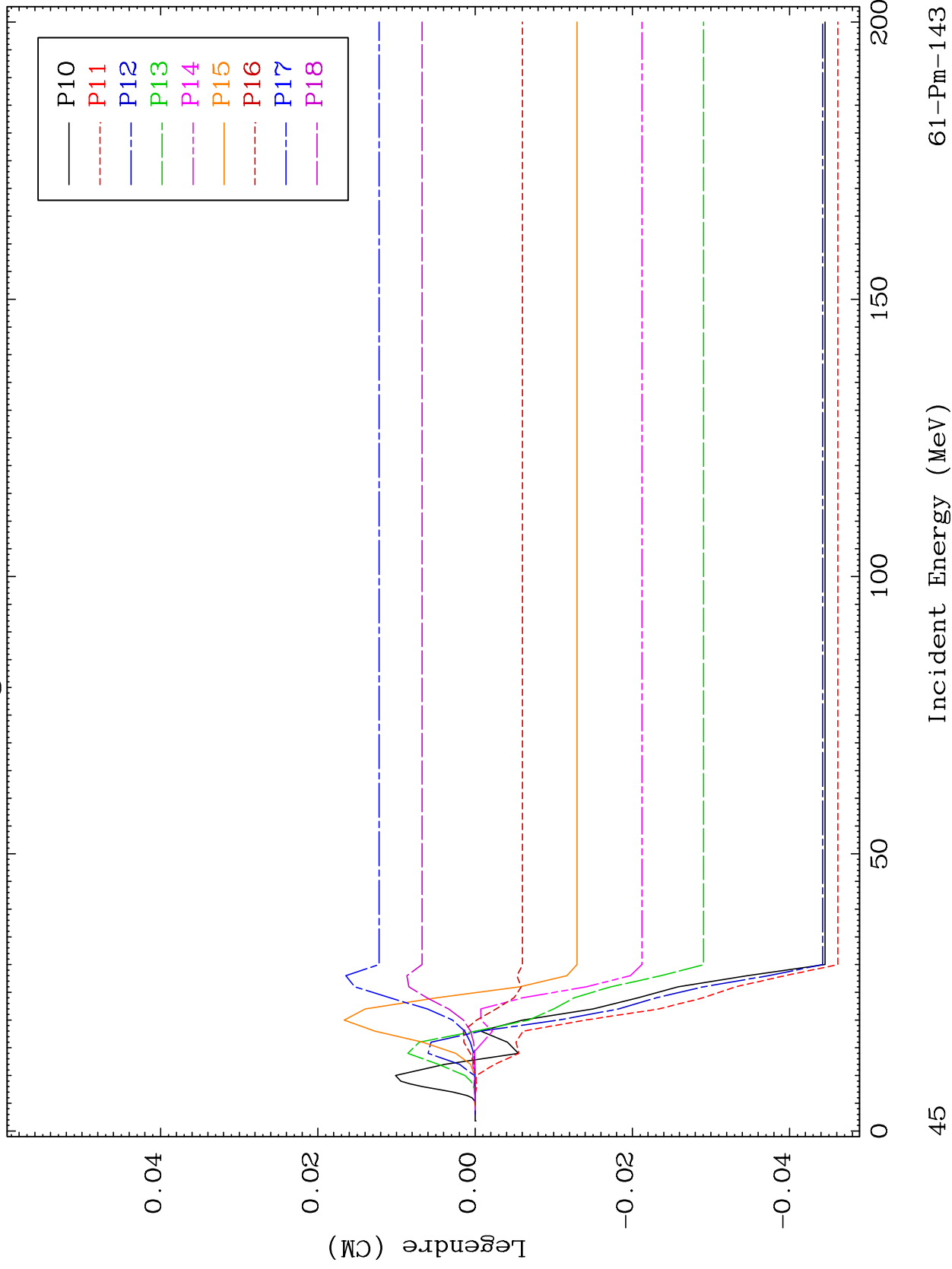
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



61-Pm-143

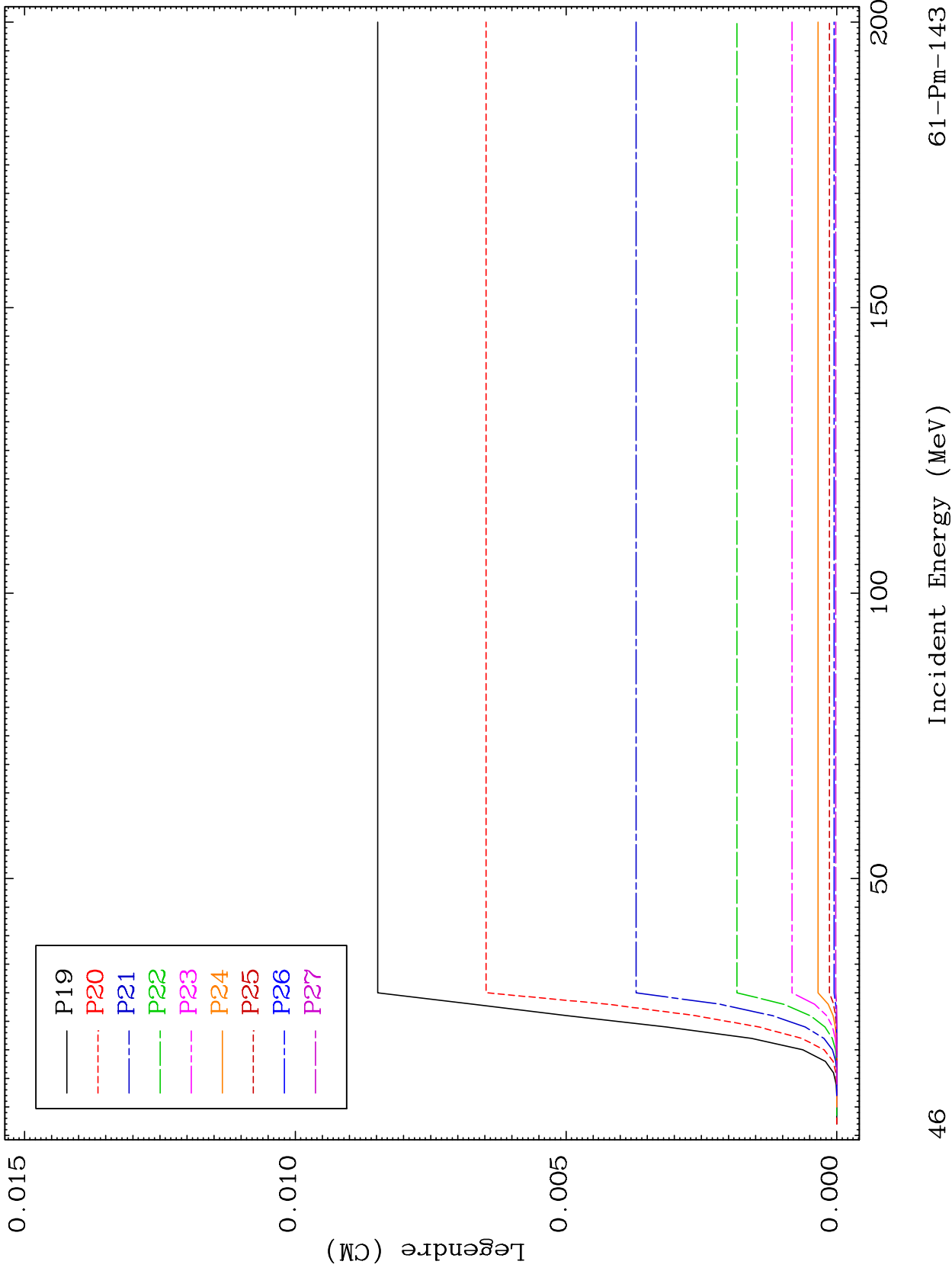
Incident Energy (MeV)

45

MAT 6137

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

61-Pm-143



46

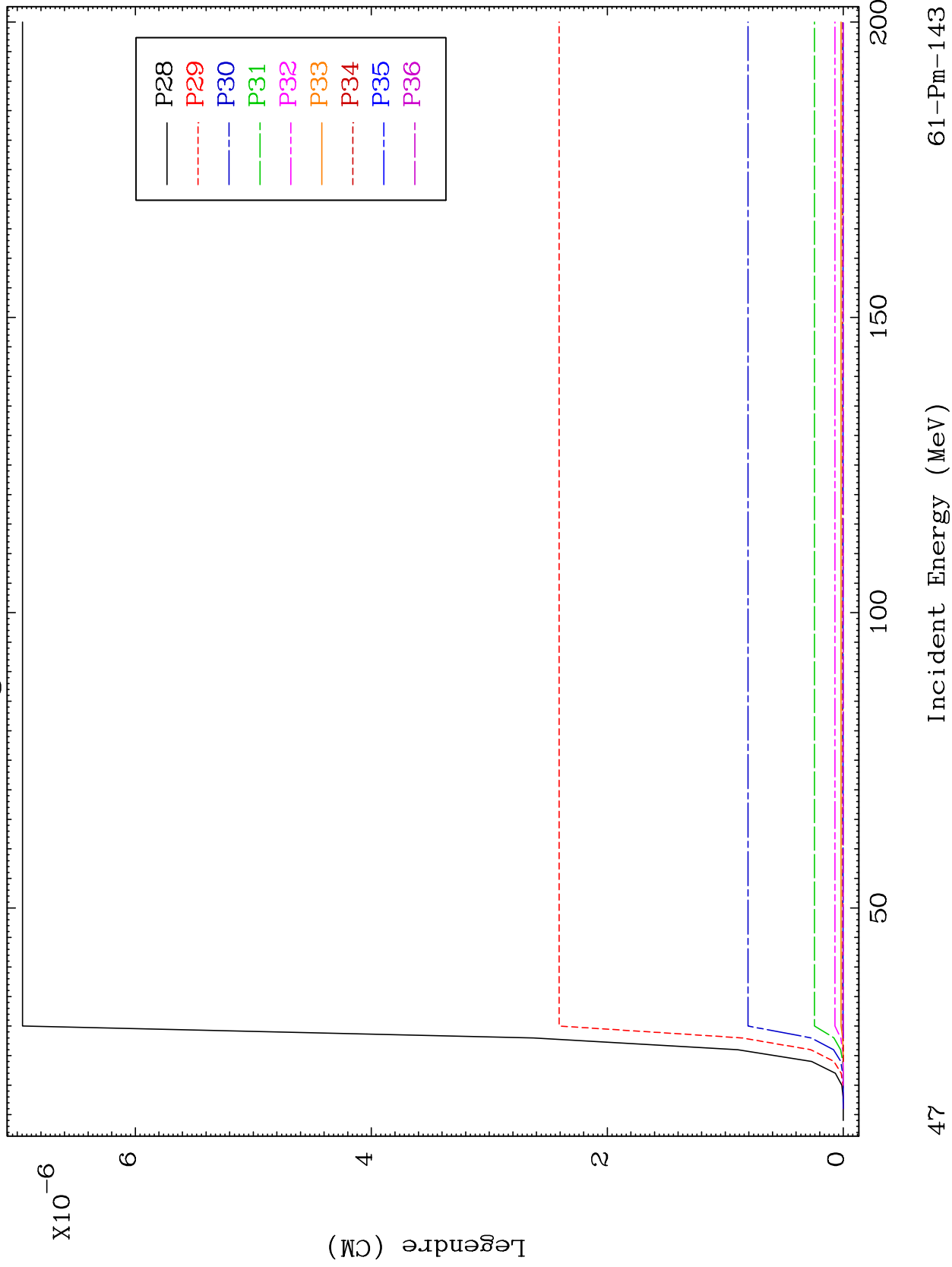
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

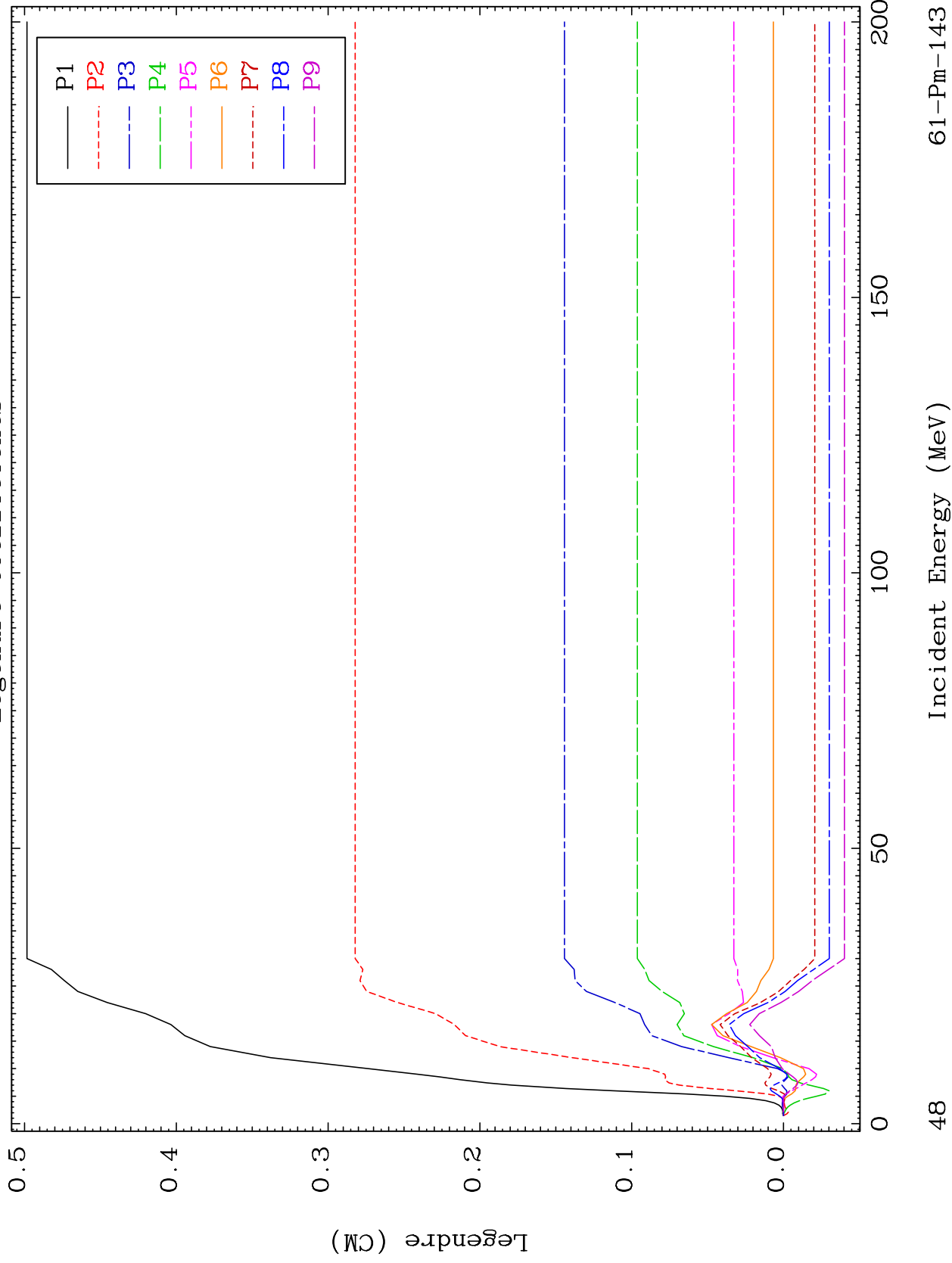
61-Pm-143



MAT 6137

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

61-Pm-143



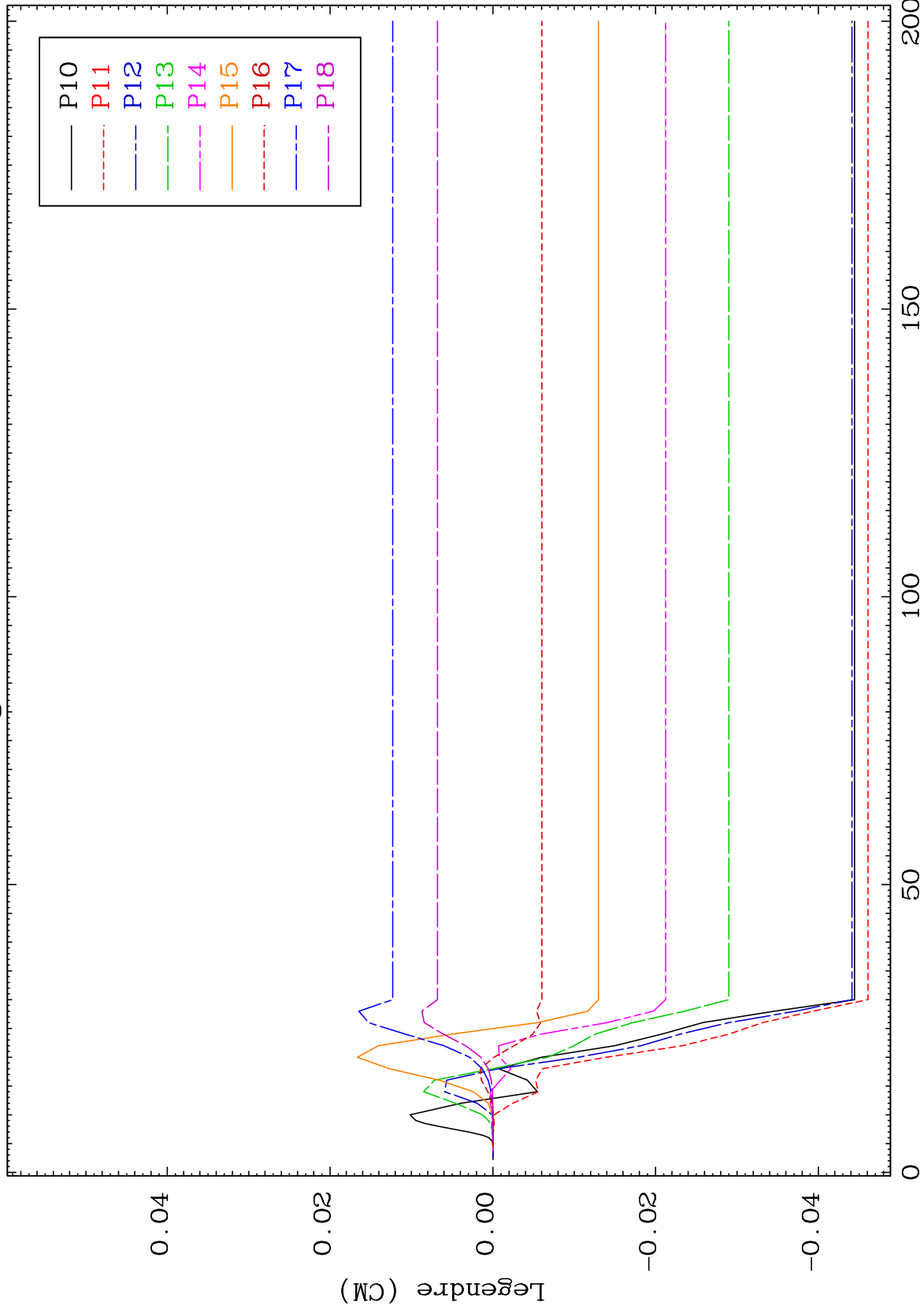
48

61-Pm-143

MAT 6137

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

61-Pm-143



49

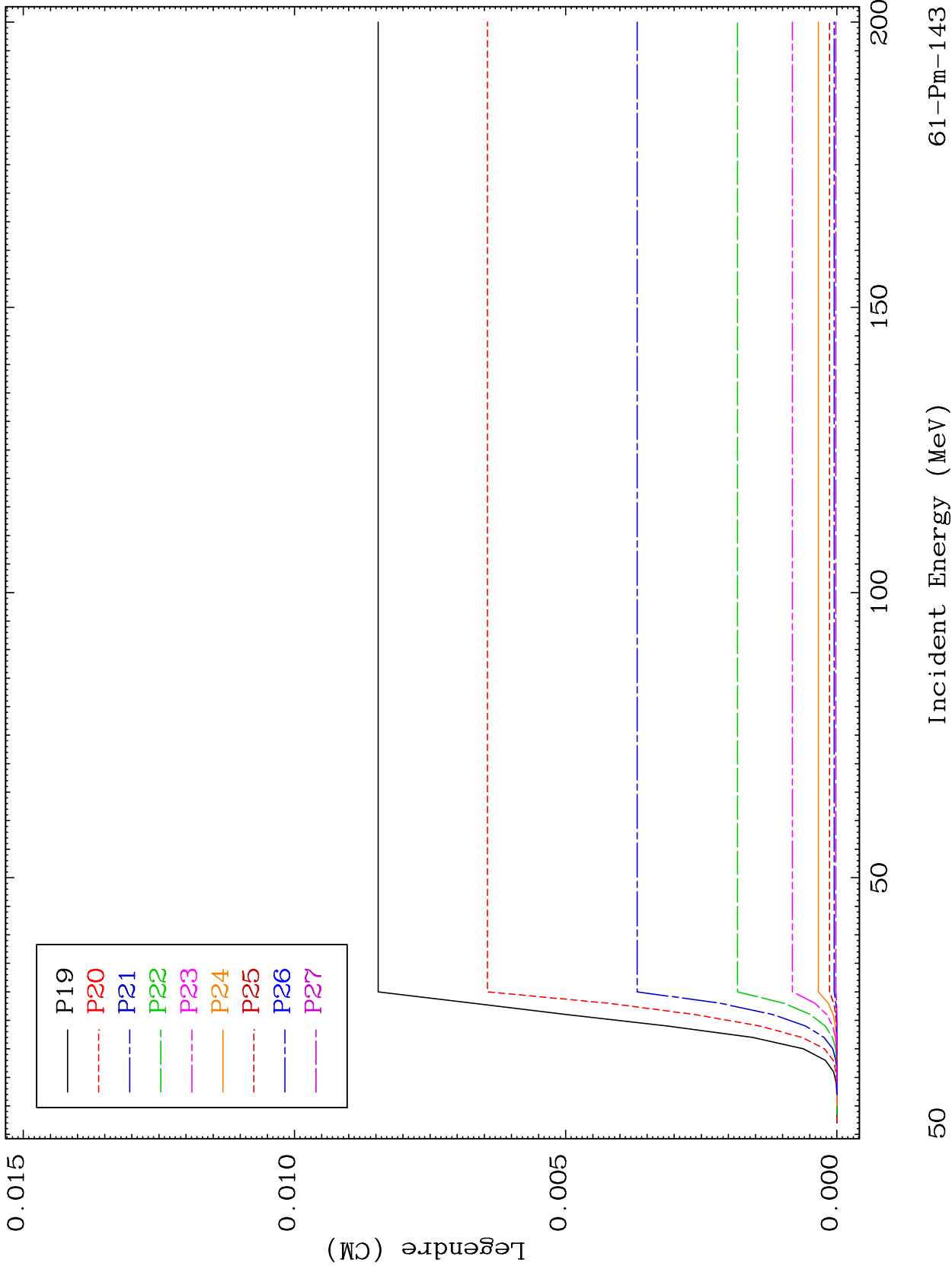
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



61-Pm-143

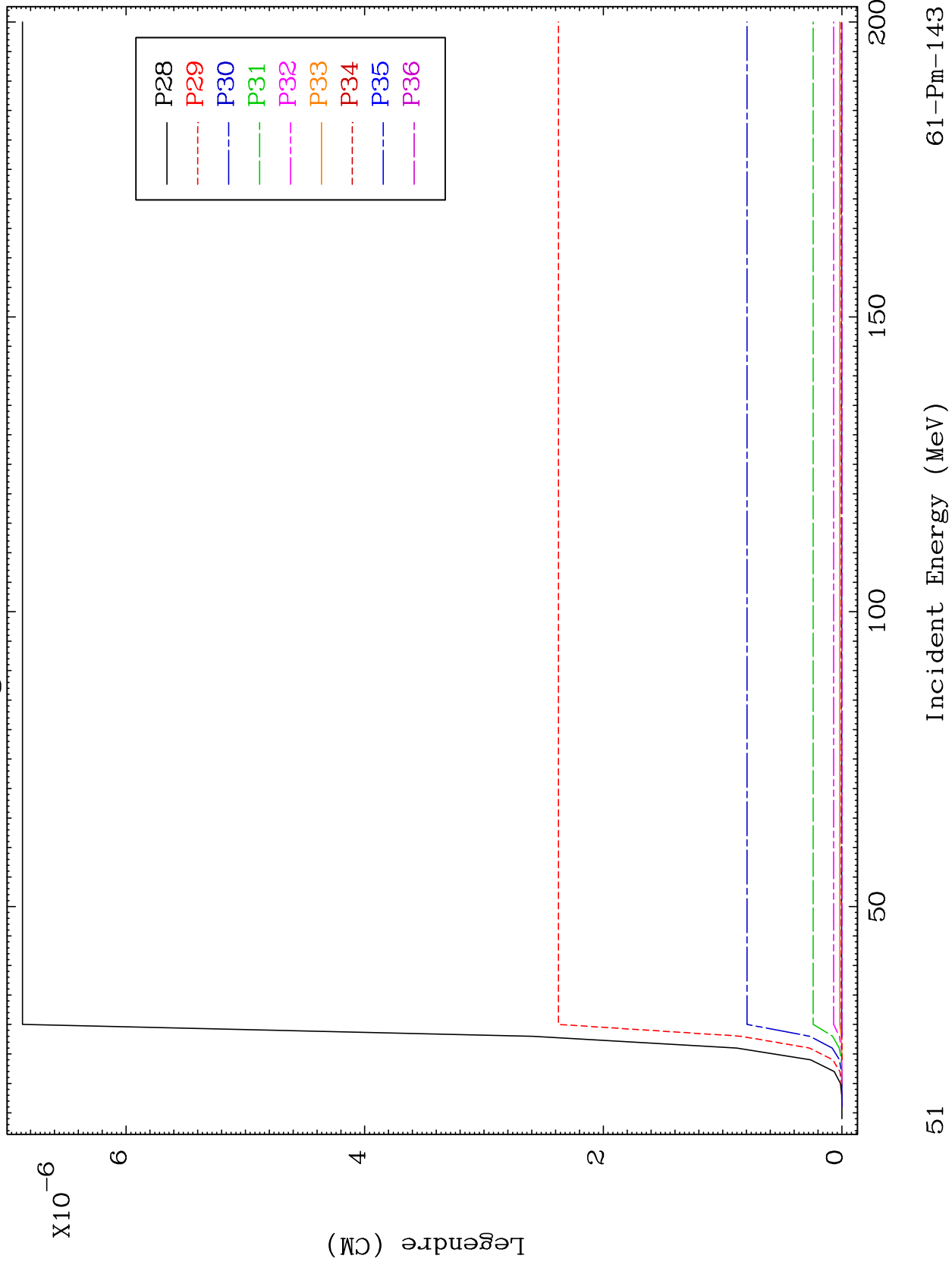
Incident Energy (MeV)

50

MAT 6137

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

61-Pm-143



51

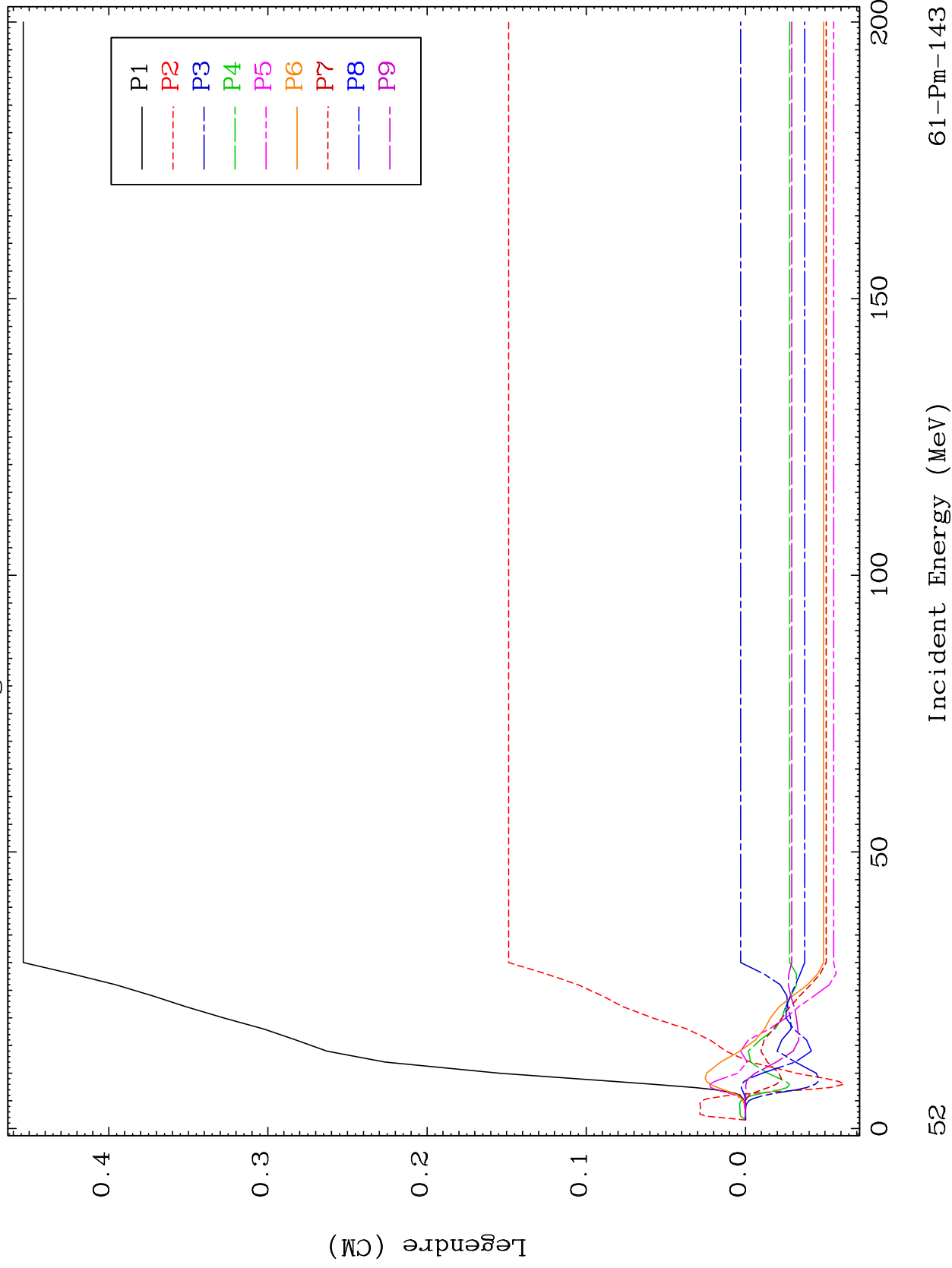
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



61-Pm-143

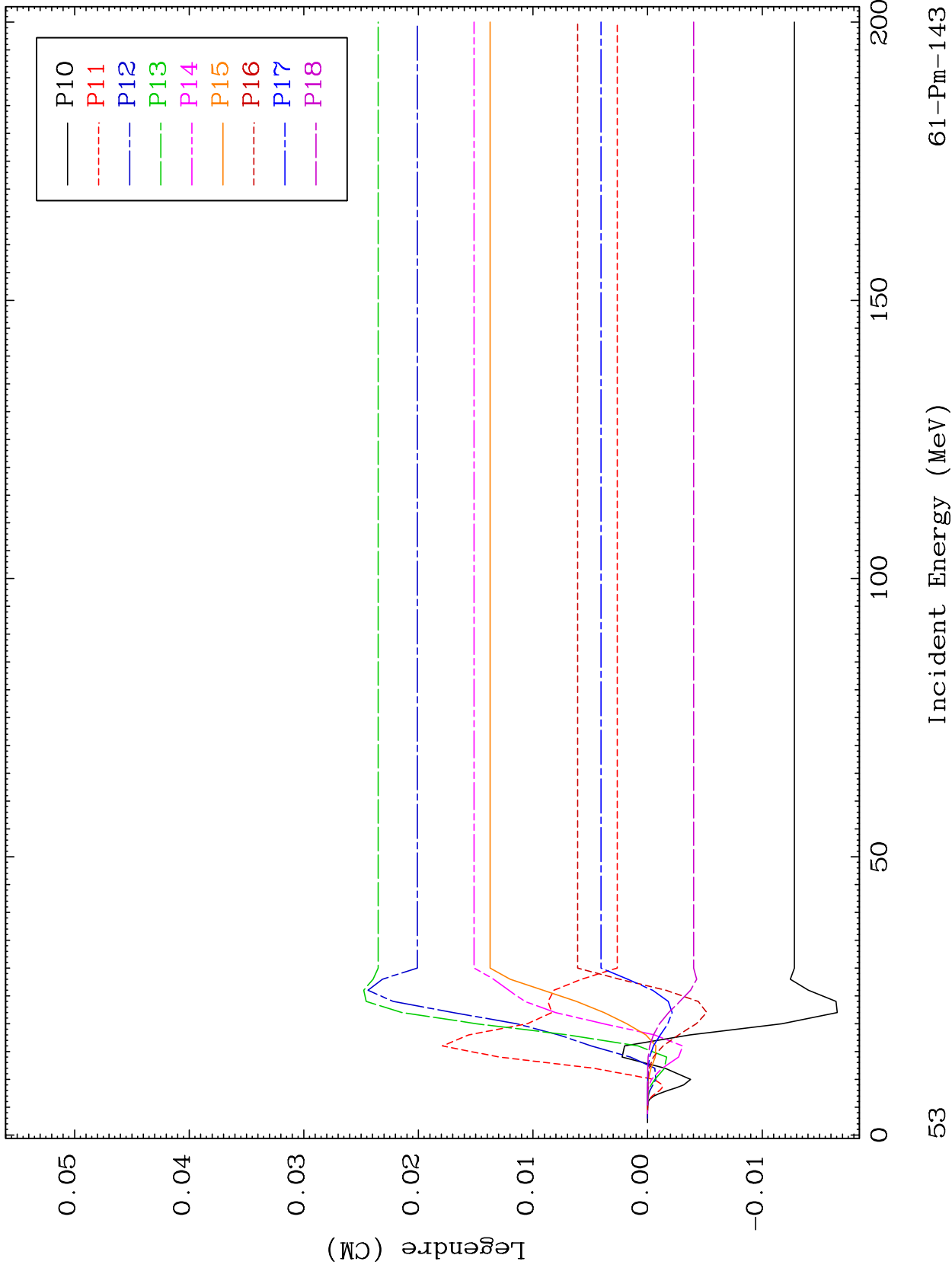
Incident Energy (MeV)

52

MAT 6137

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

61-Pm-143



61-Pm-143

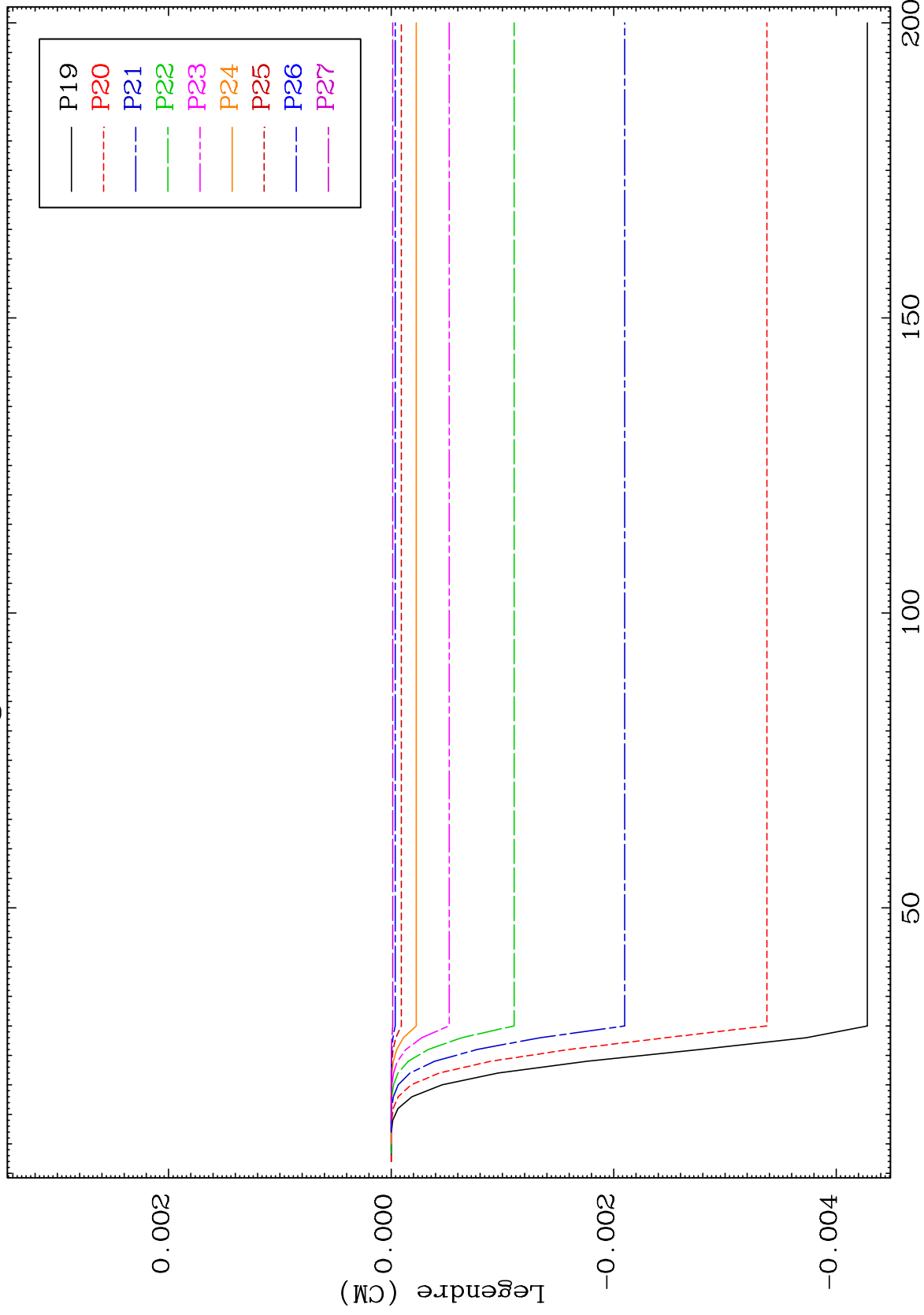
Incident Energy (MeV)

53

MAT 6137

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

61-Pm-143



54

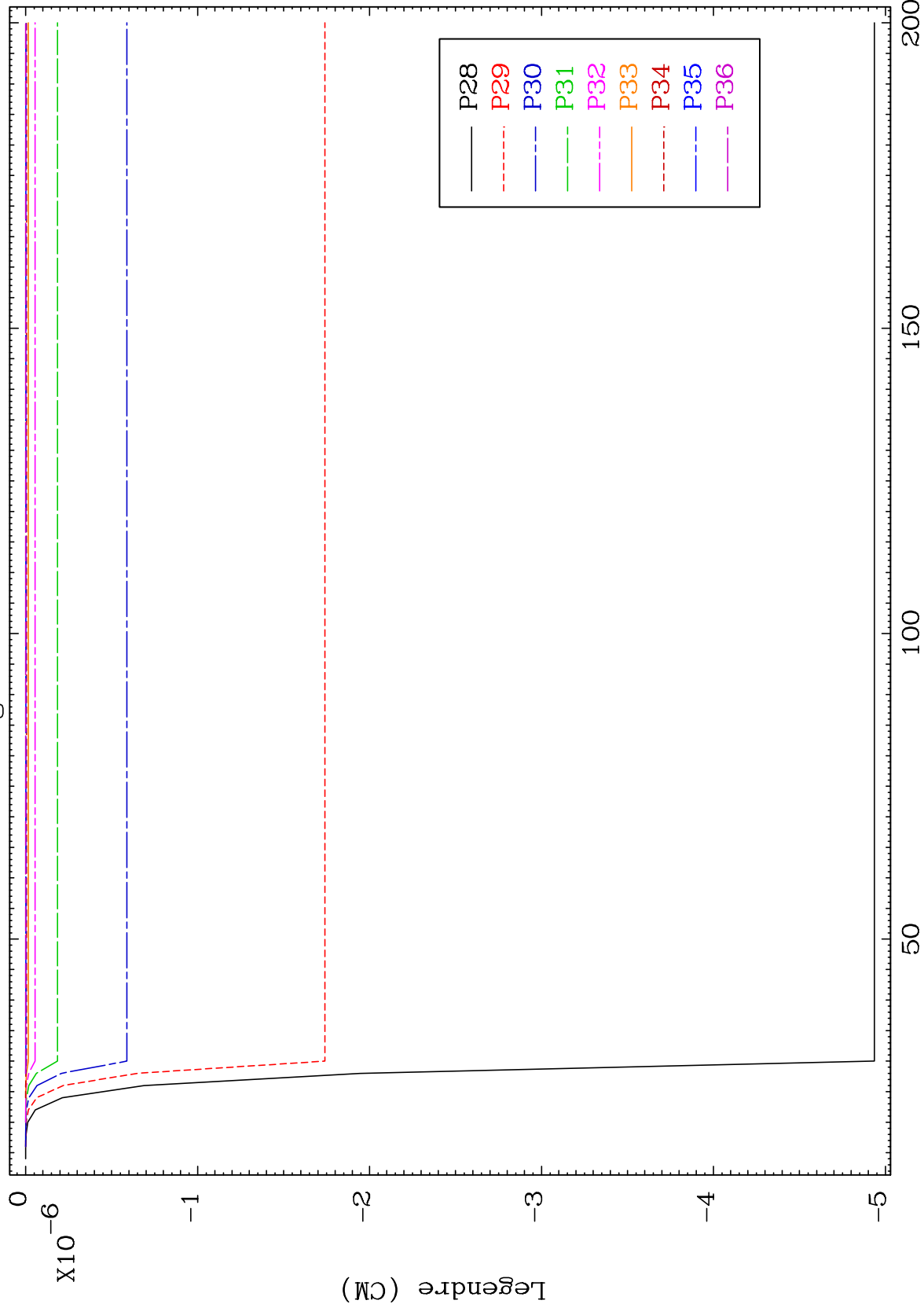
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



55

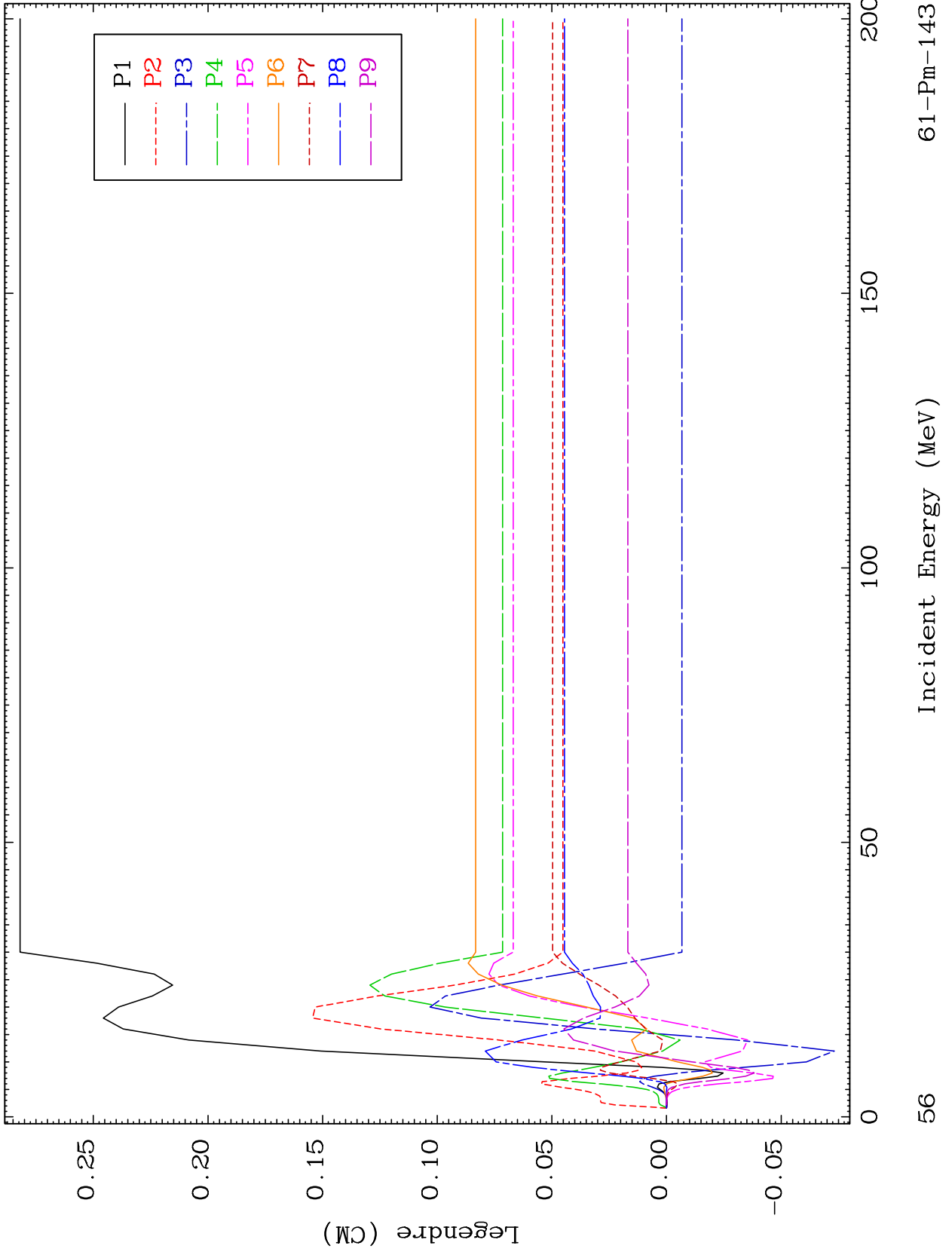
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



61-Pm-143

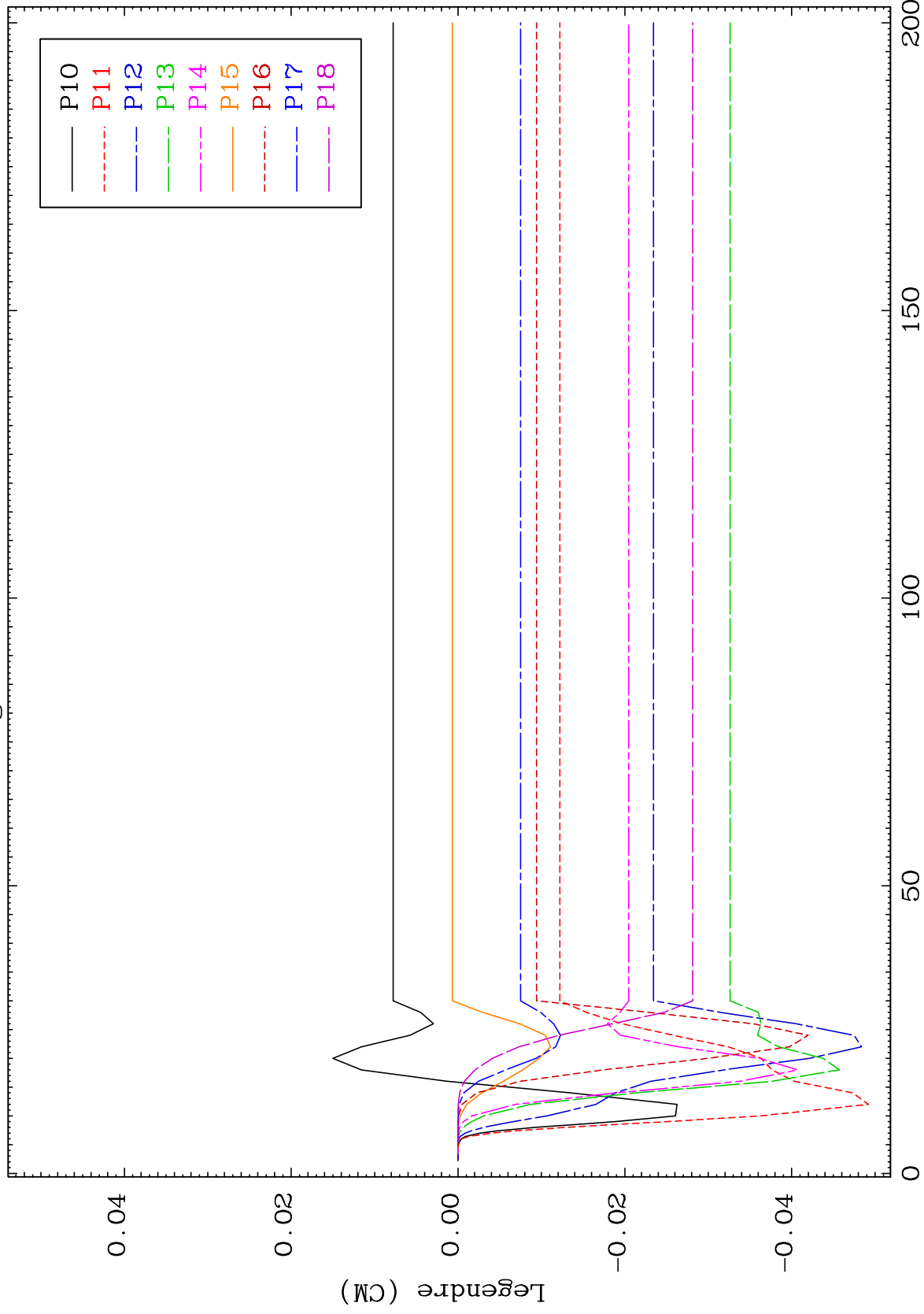
Incident Energy (MeV)

56

MAT 6137

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

61-Pm-143



57

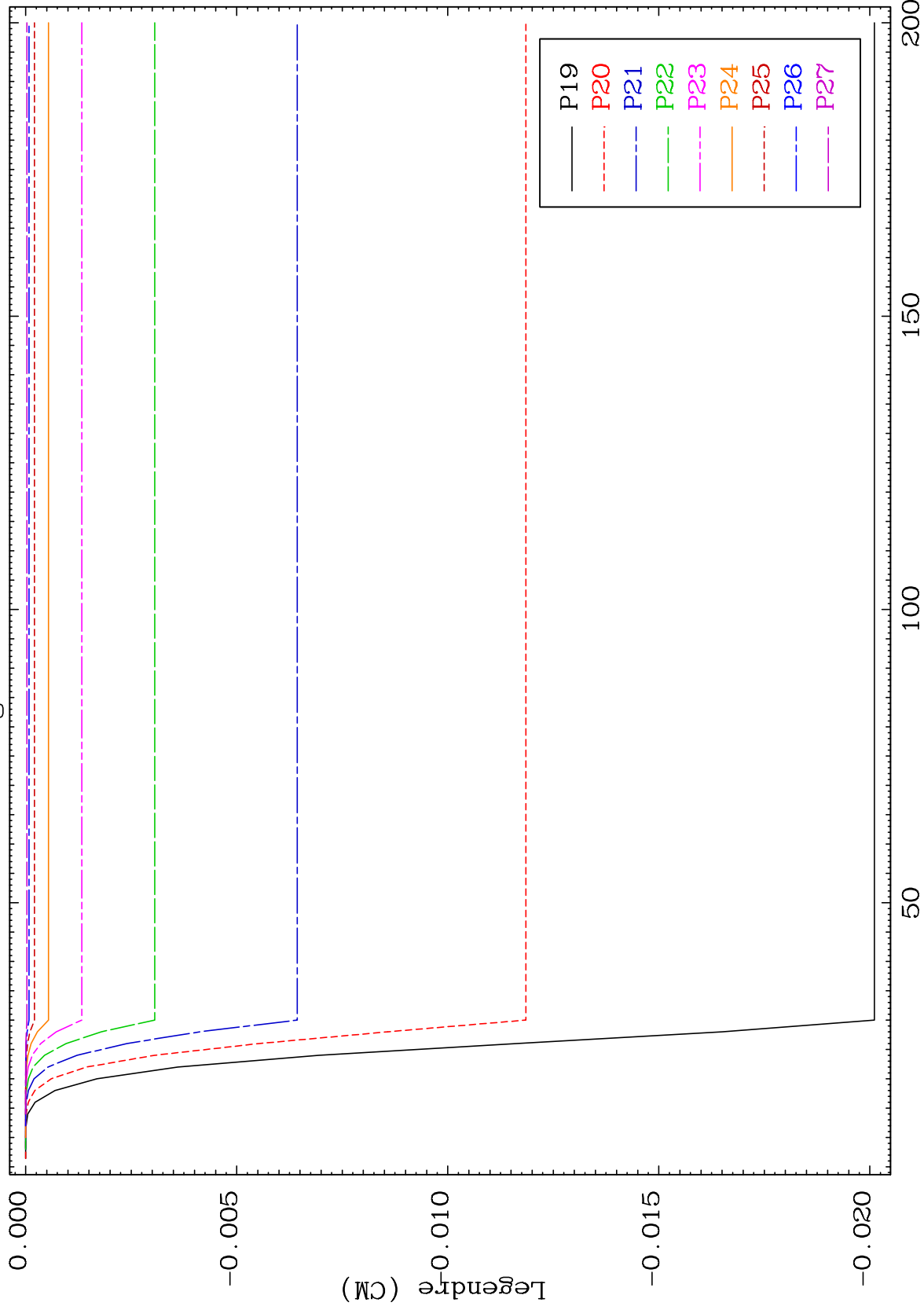
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

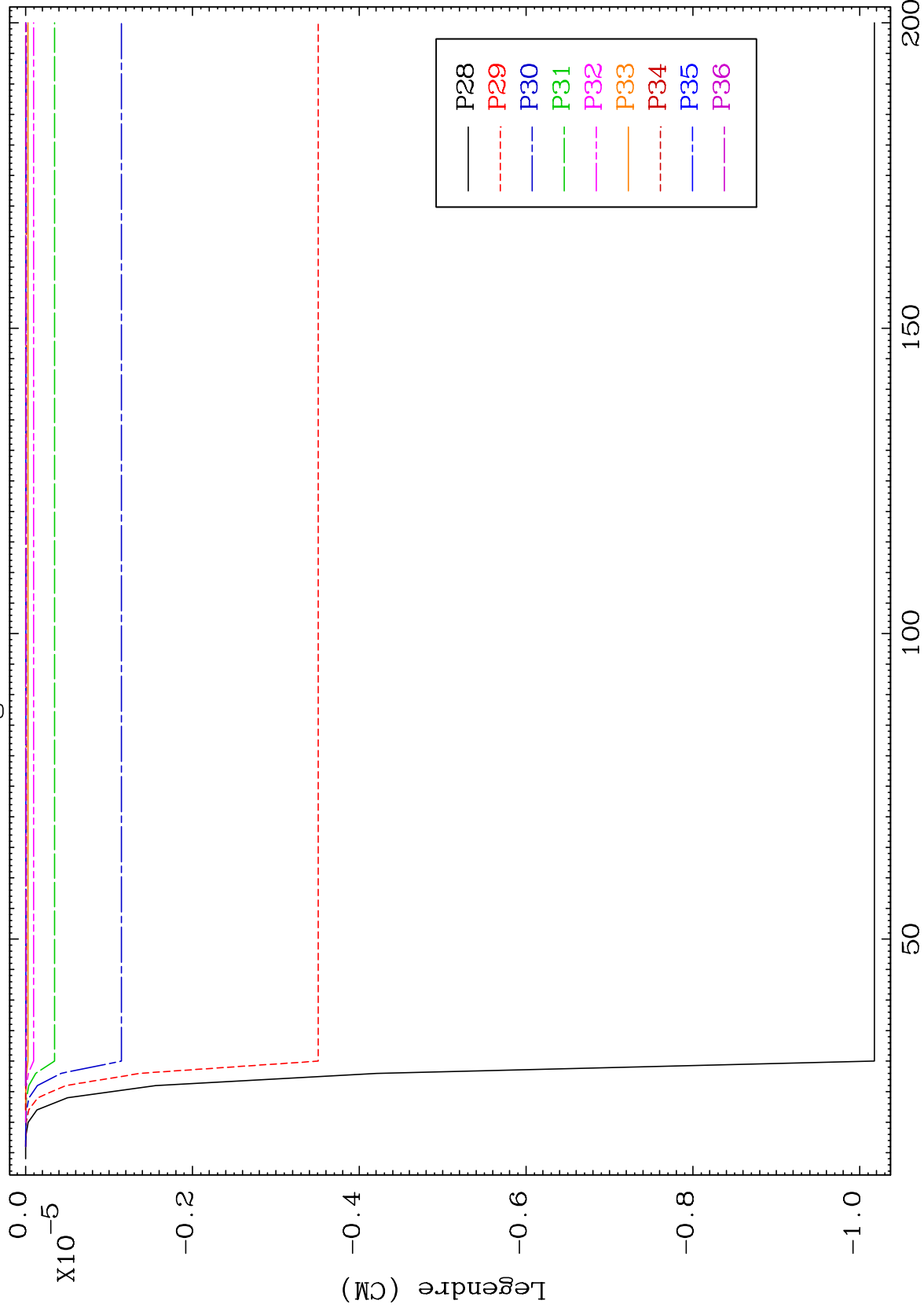
61-Pm-143



MAT 6137

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

61-Pm-143



59

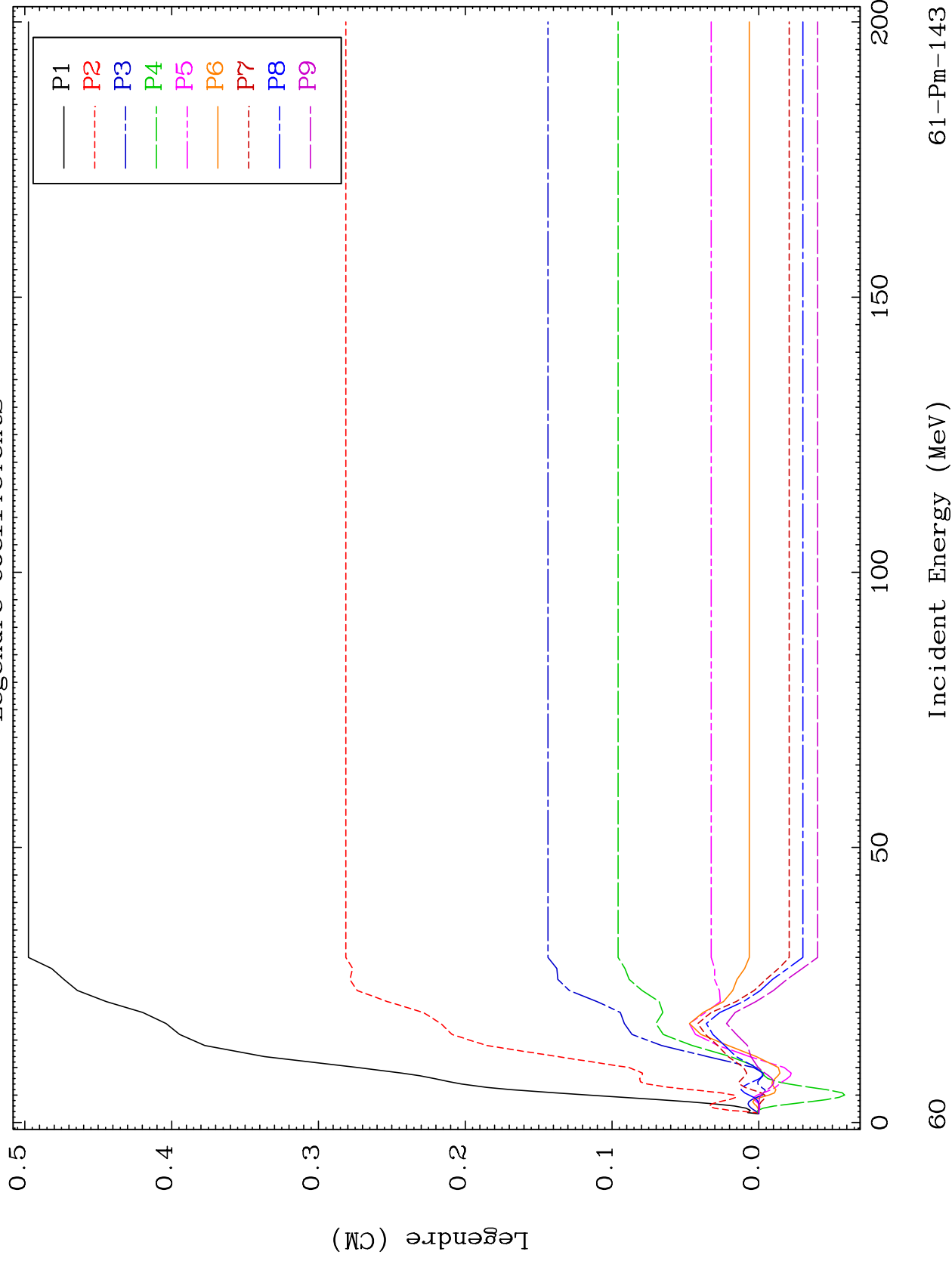
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



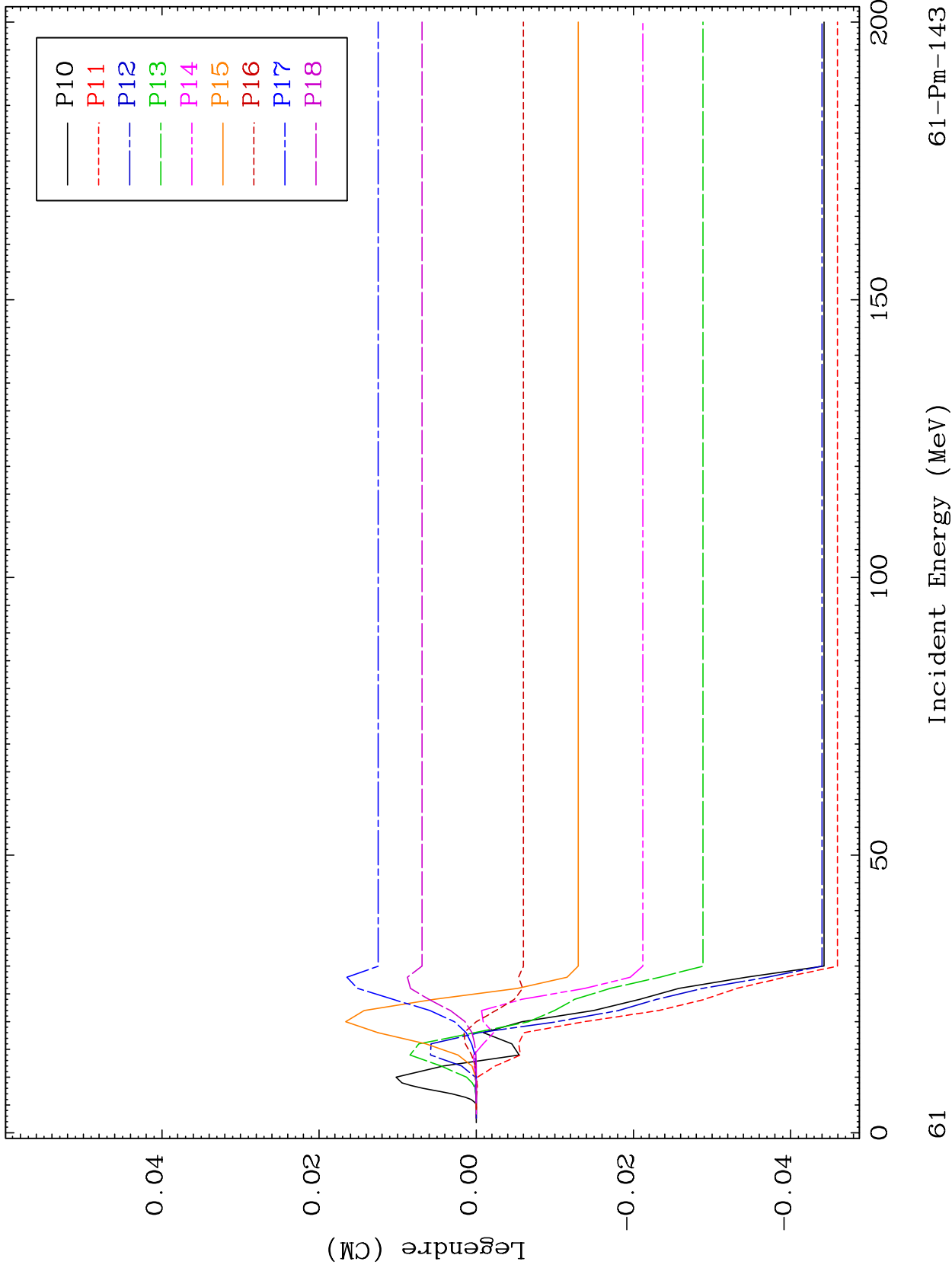
61-Pm-143

Incident Energy (MeV)

MAT 6137

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

61-Pm-143



61

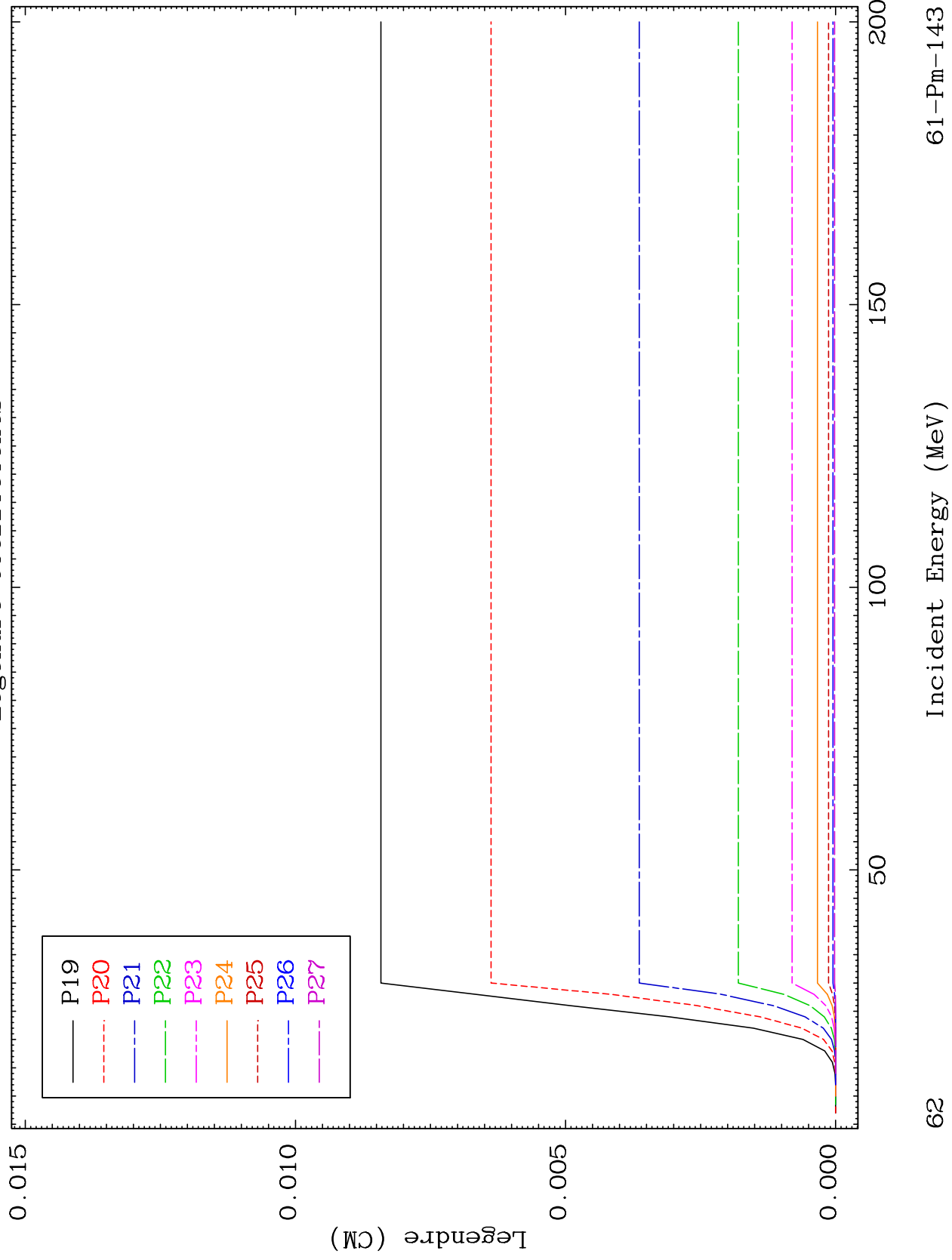
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



62

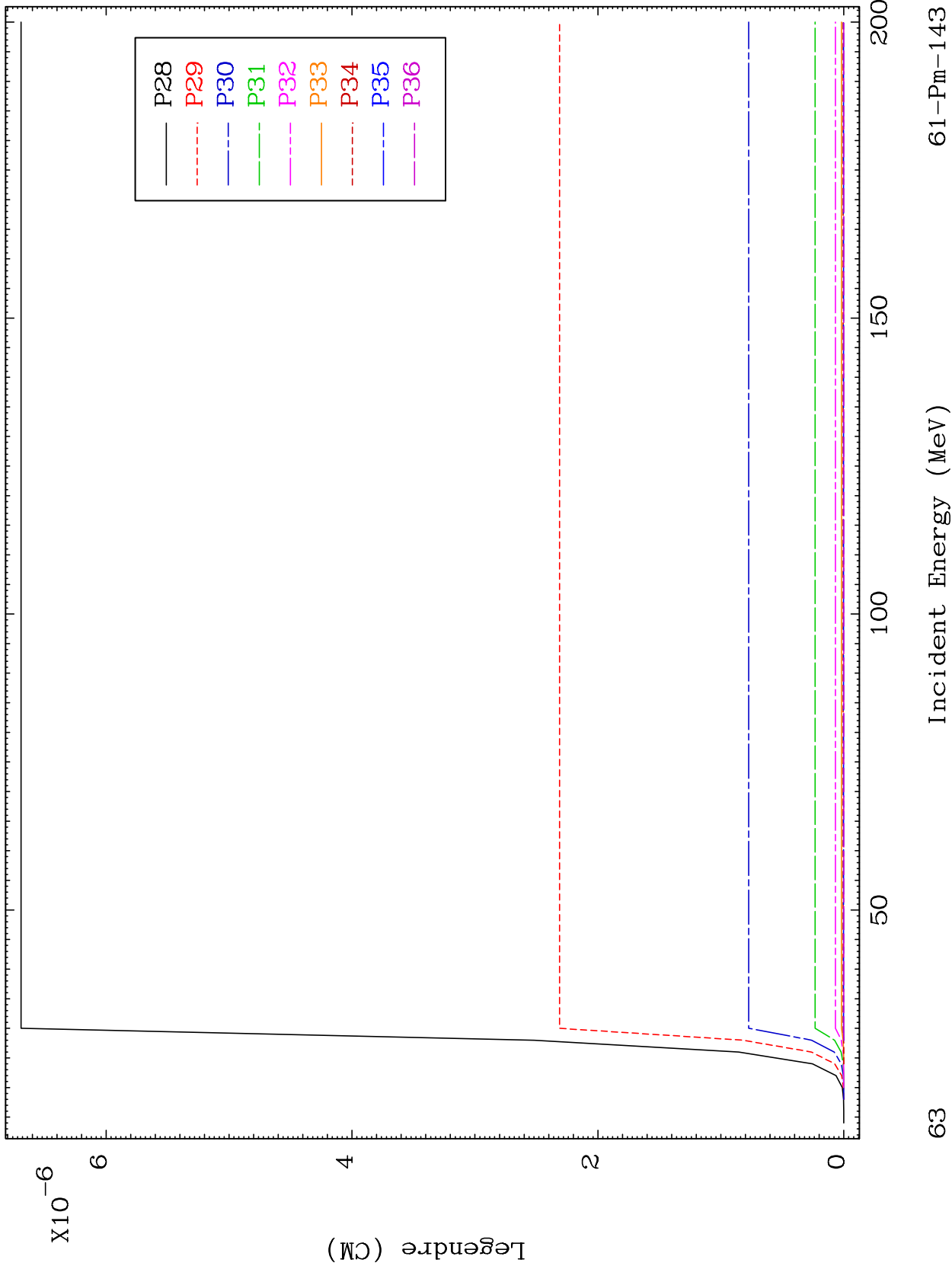
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

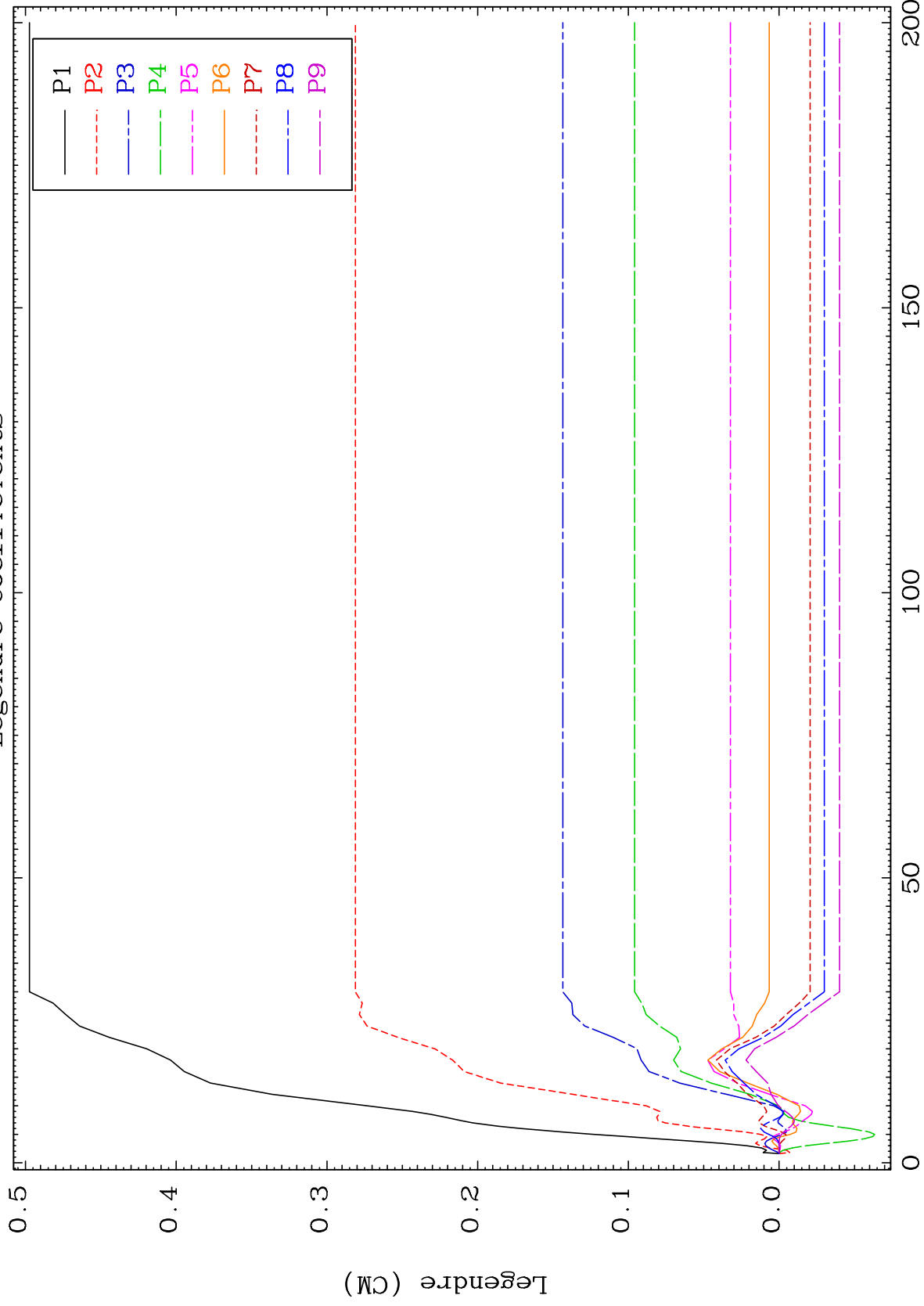
61-Pm-143



MAT 6137

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

61-Pm-143



61-Pm-143

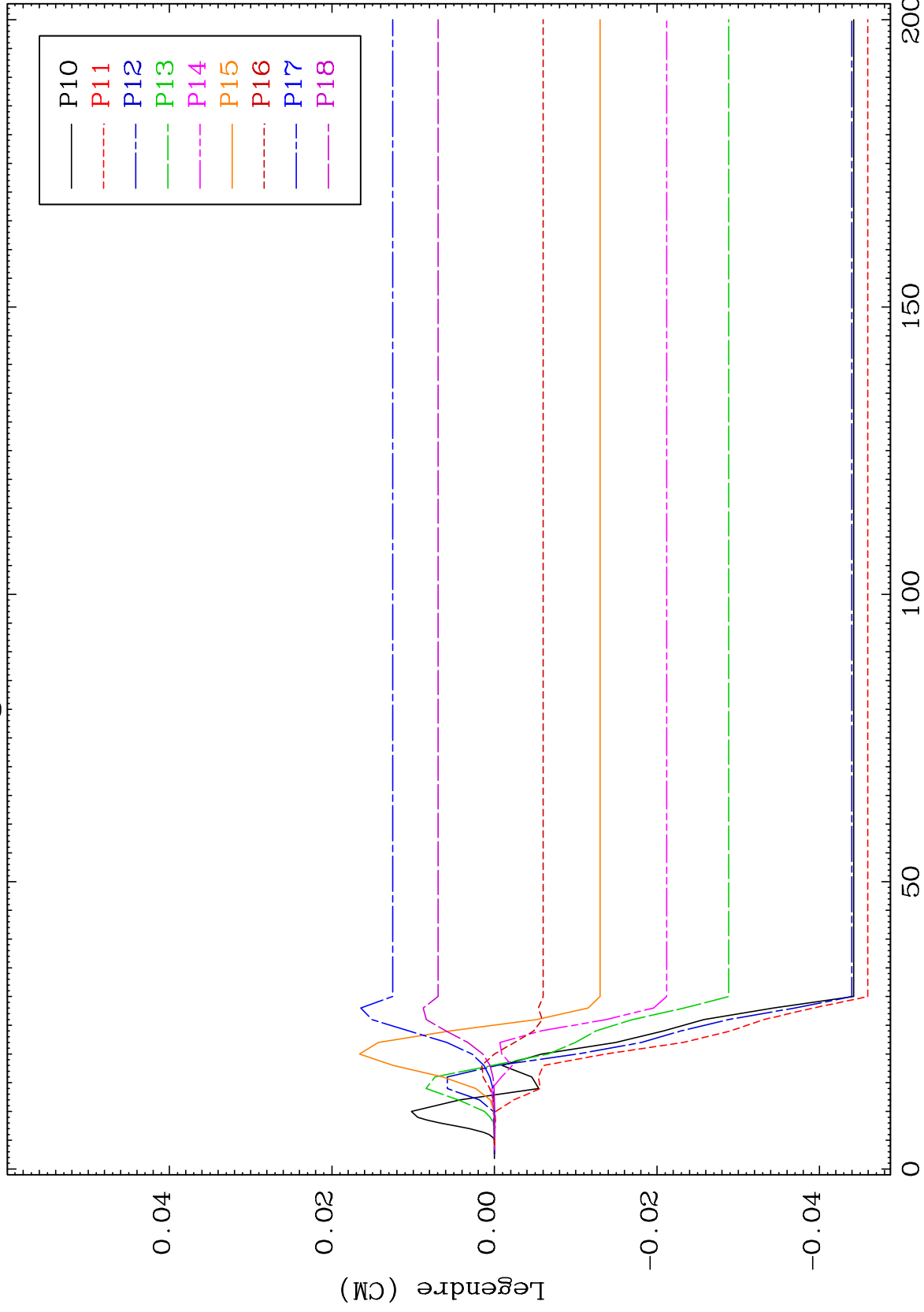
Incident Energy (MeV)

64

MAT 6137

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

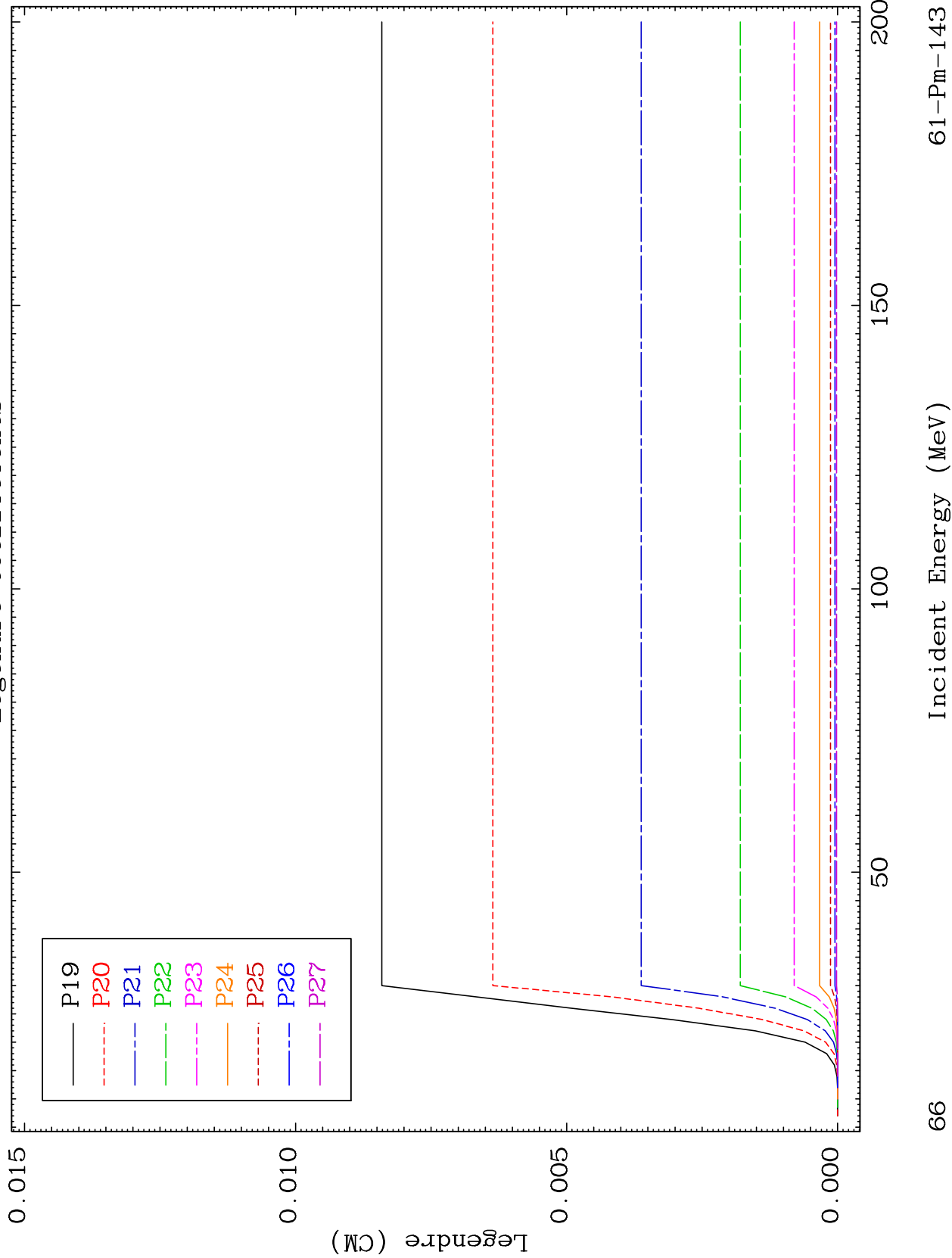
61-Pm-143



65

Incident Energy (MeV)

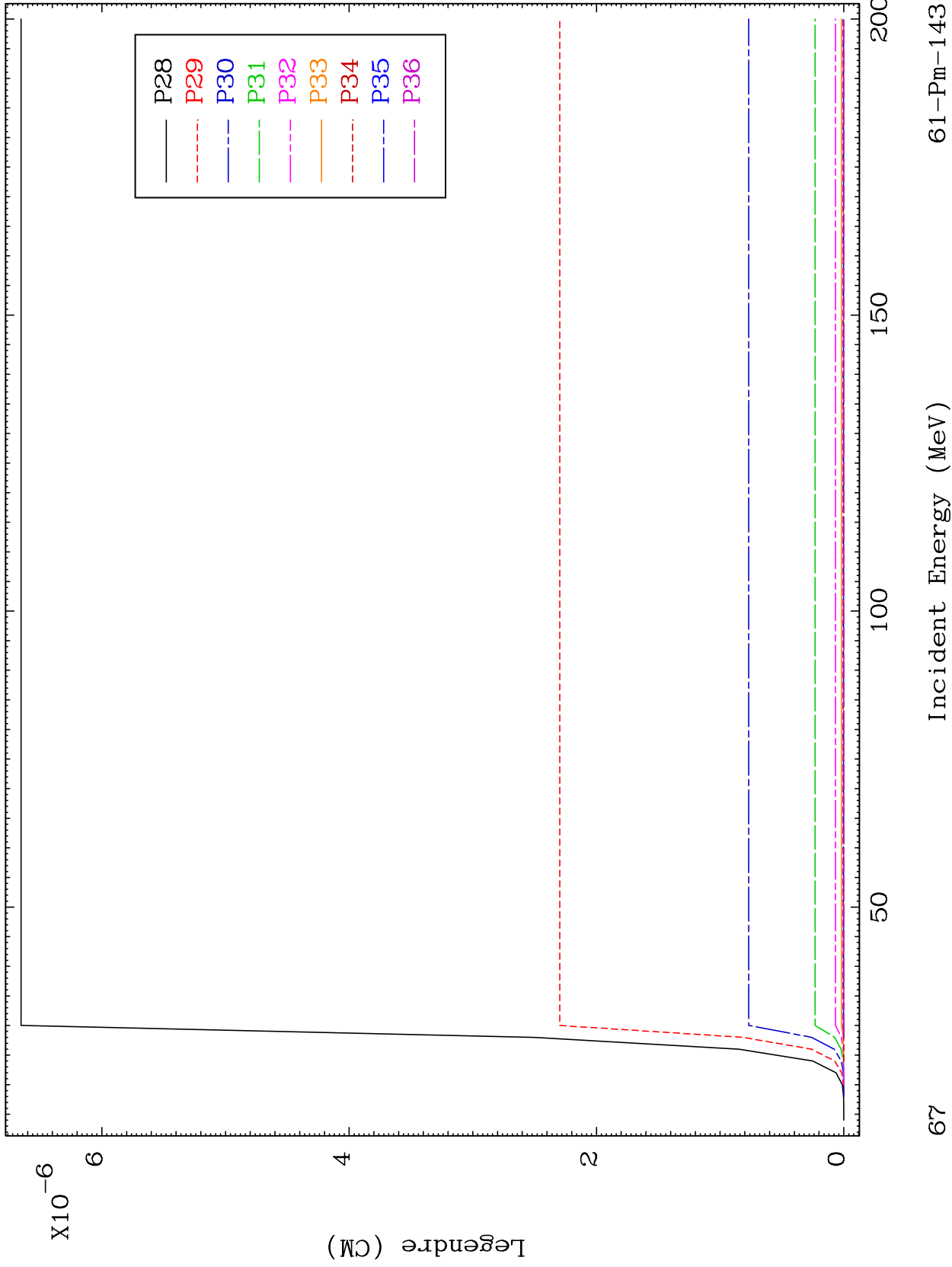
61-Pm-143



MAT 6137

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

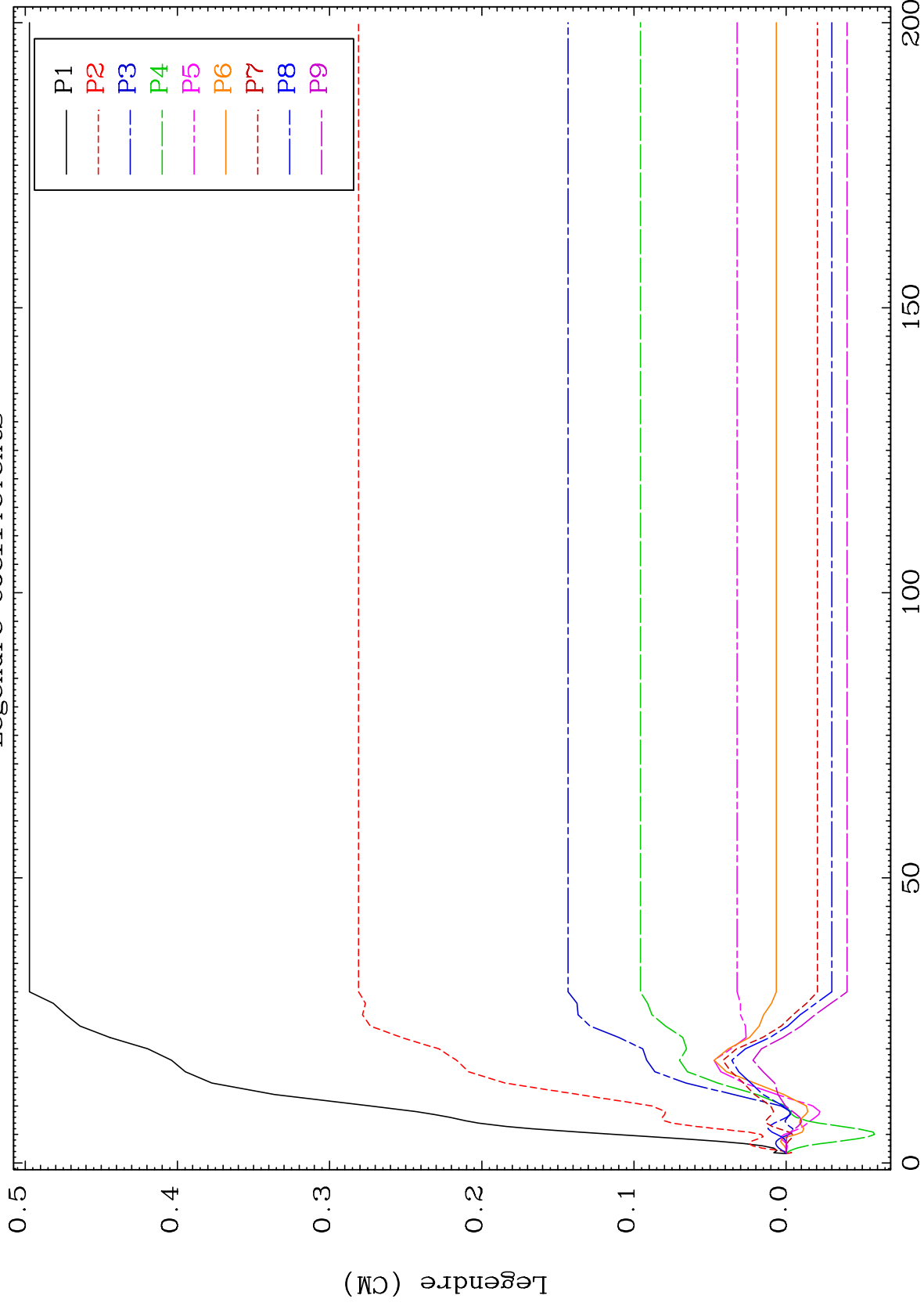
61-Pm-143



MAT 6137

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

61-Pm-143



68

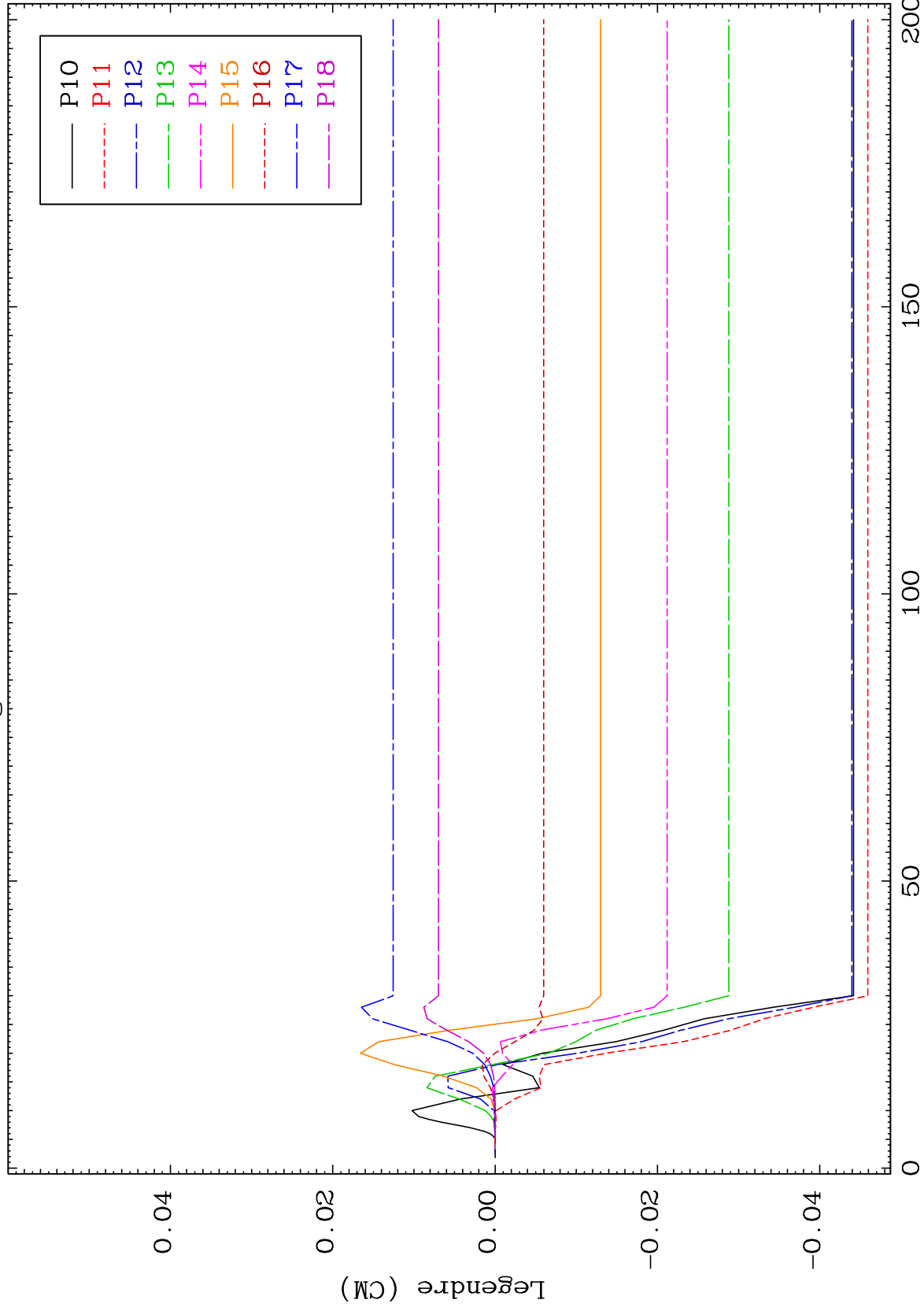
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



69

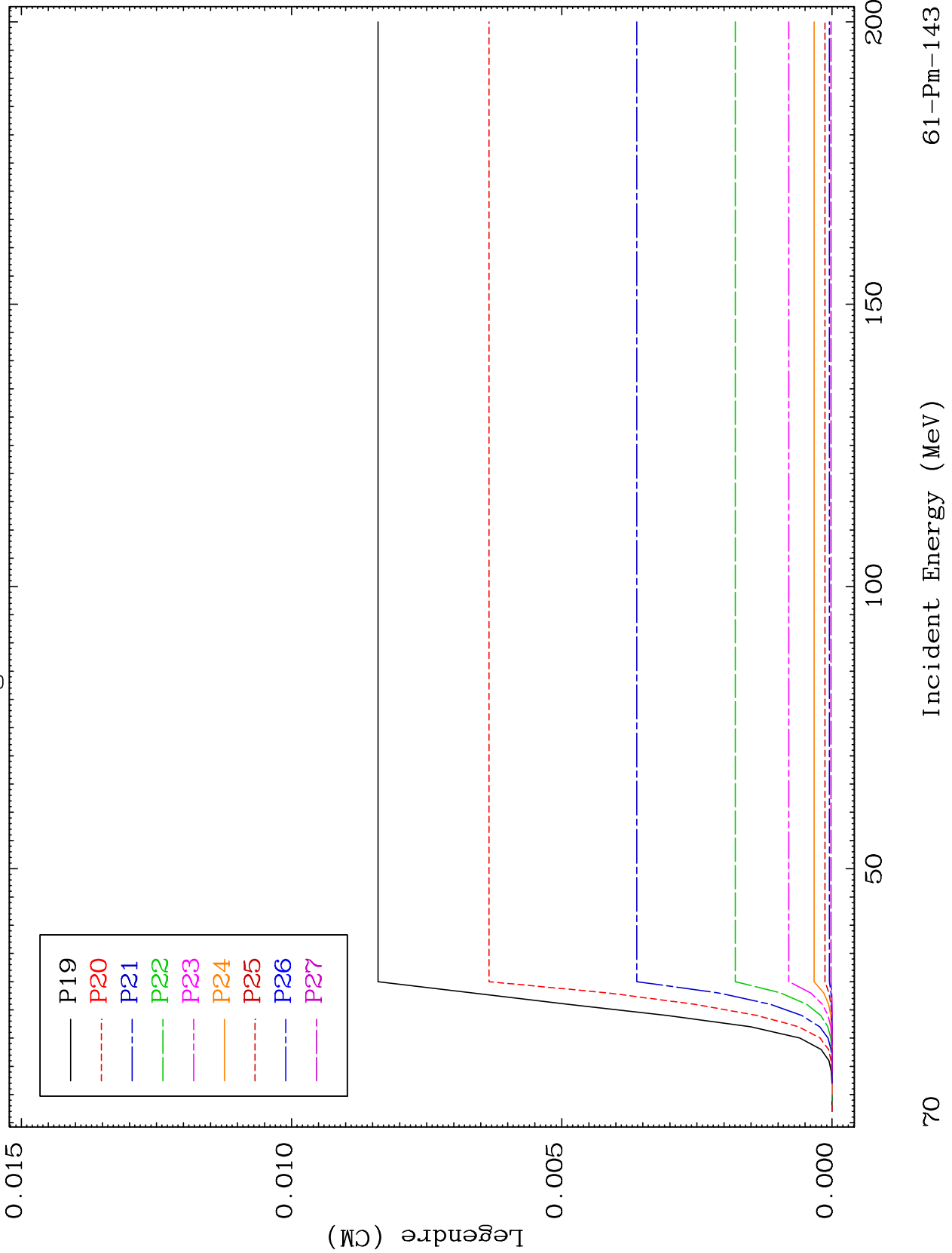
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



70

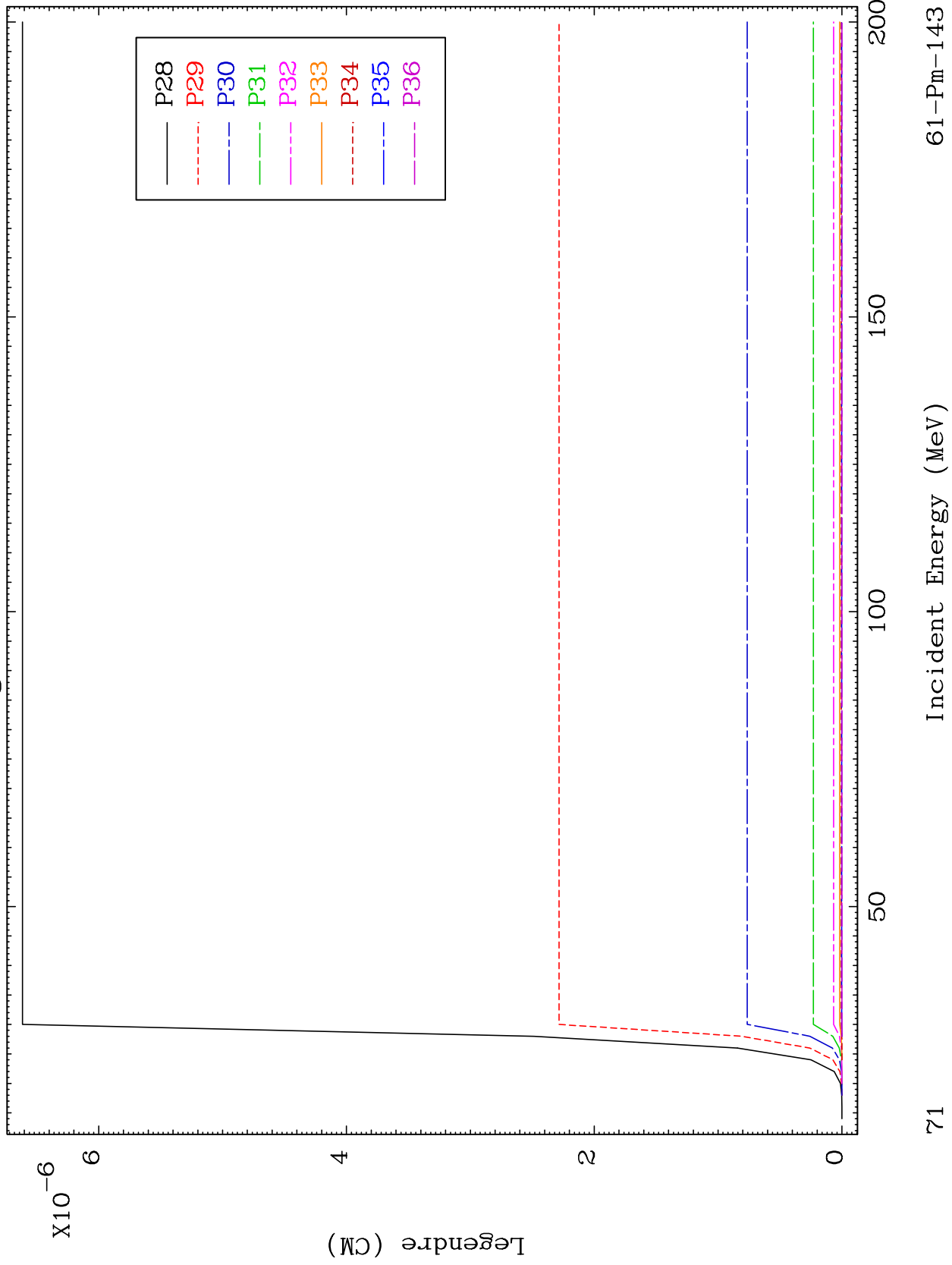
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

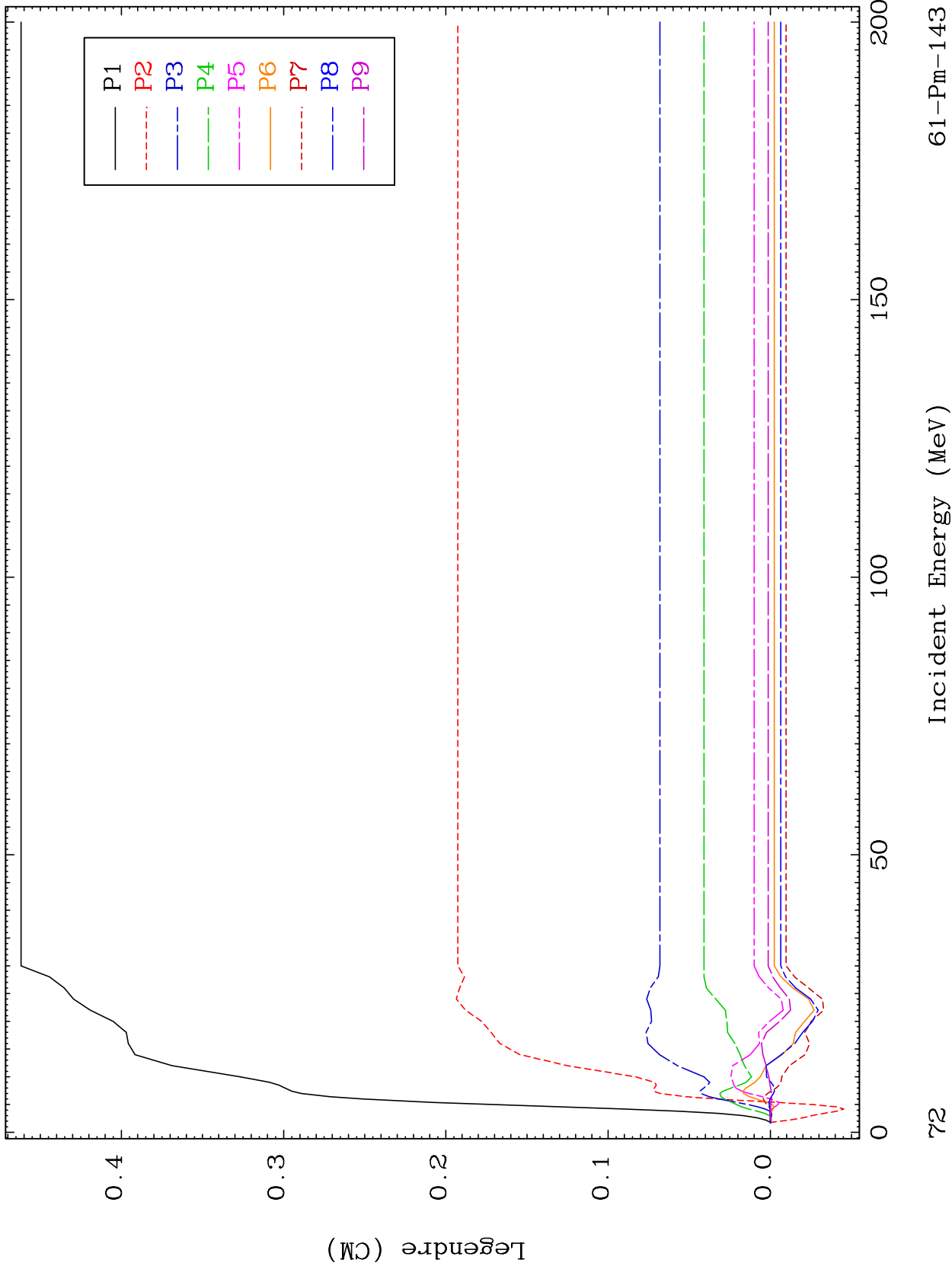
61-Pm-143



MAT 6137

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

61-Pm-143



61-Pm-143

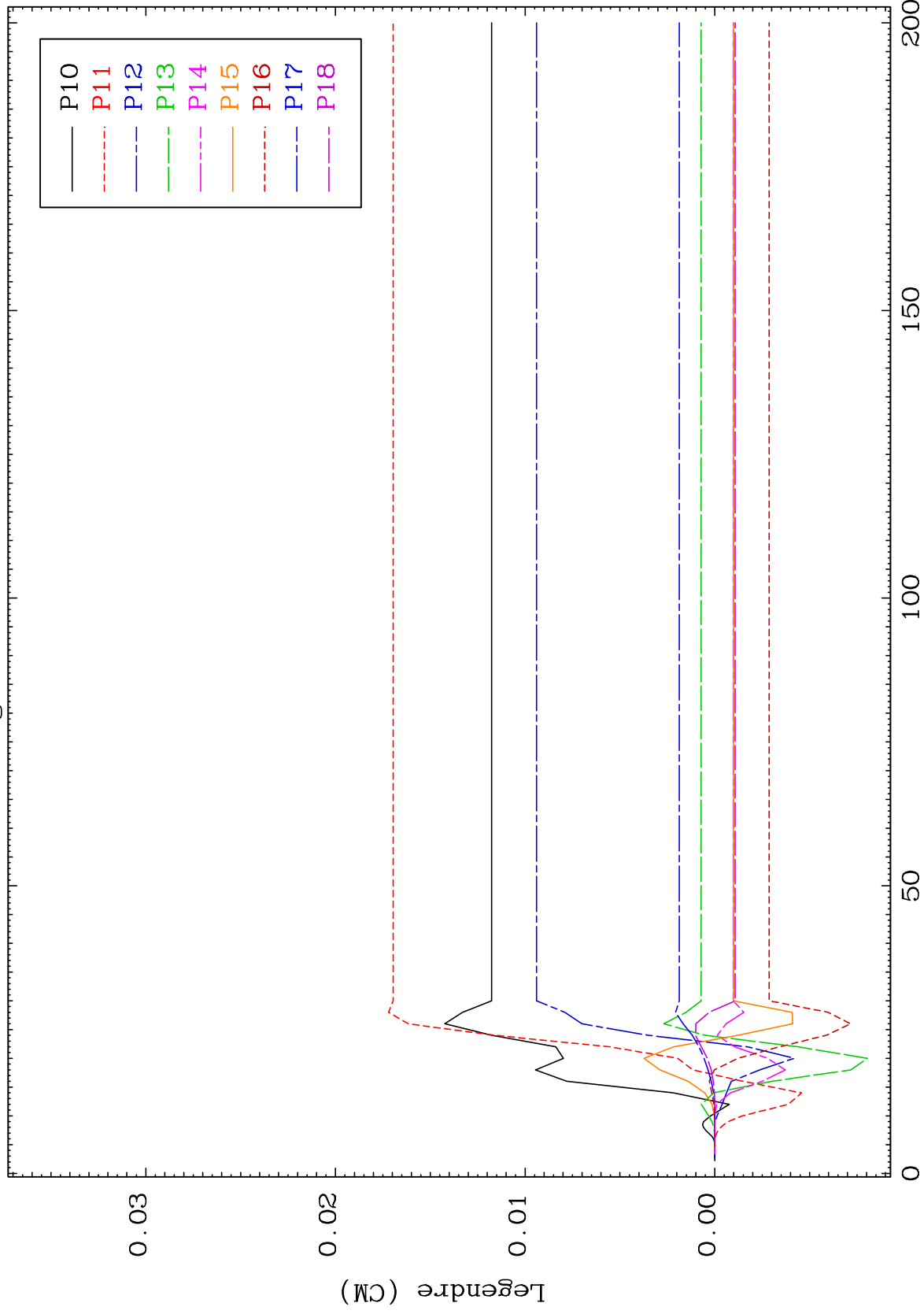
Incident Energy (MeV)

72

MAT 6137

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

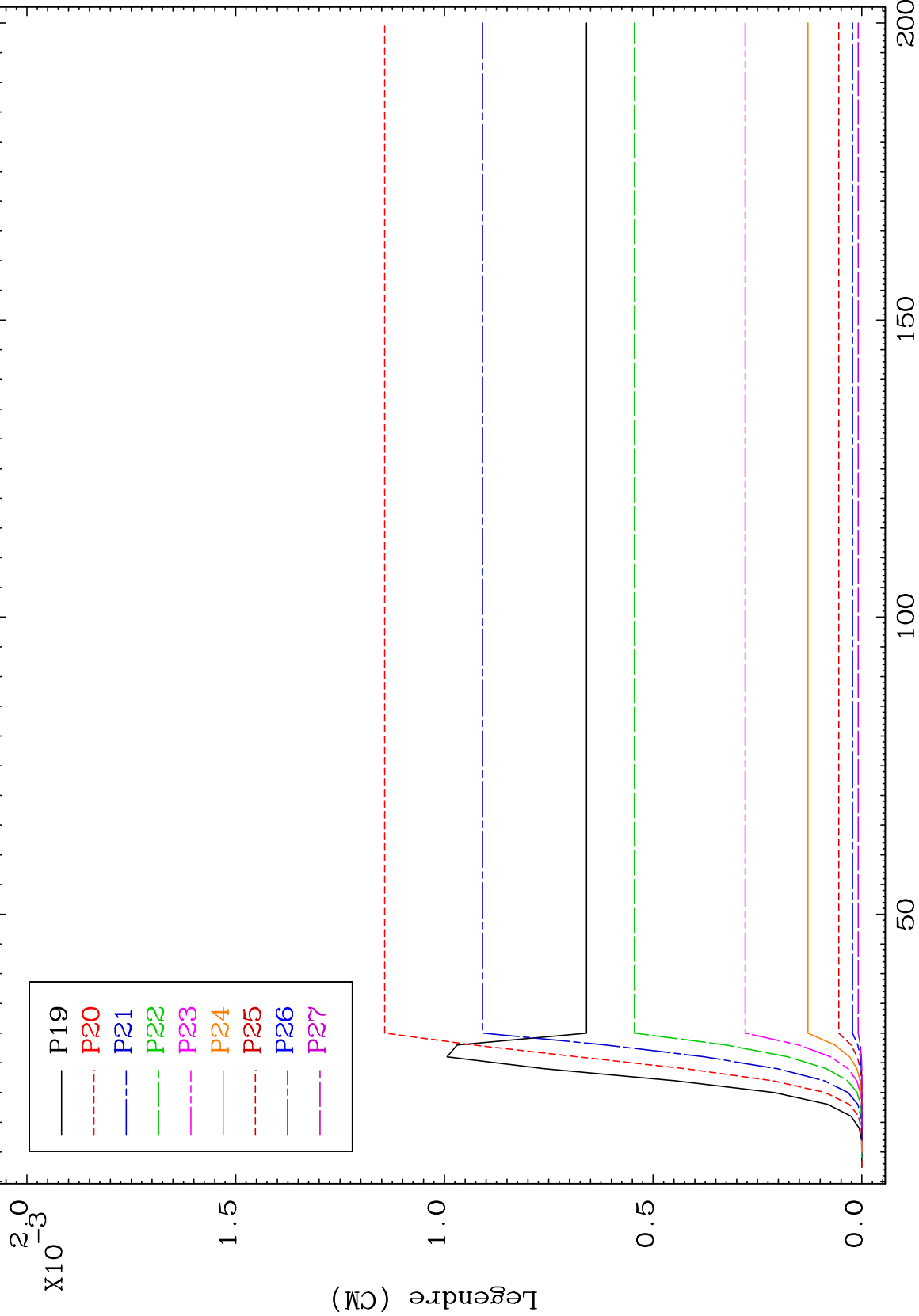
61-Pm-143



73

Incident Energy (MeV)

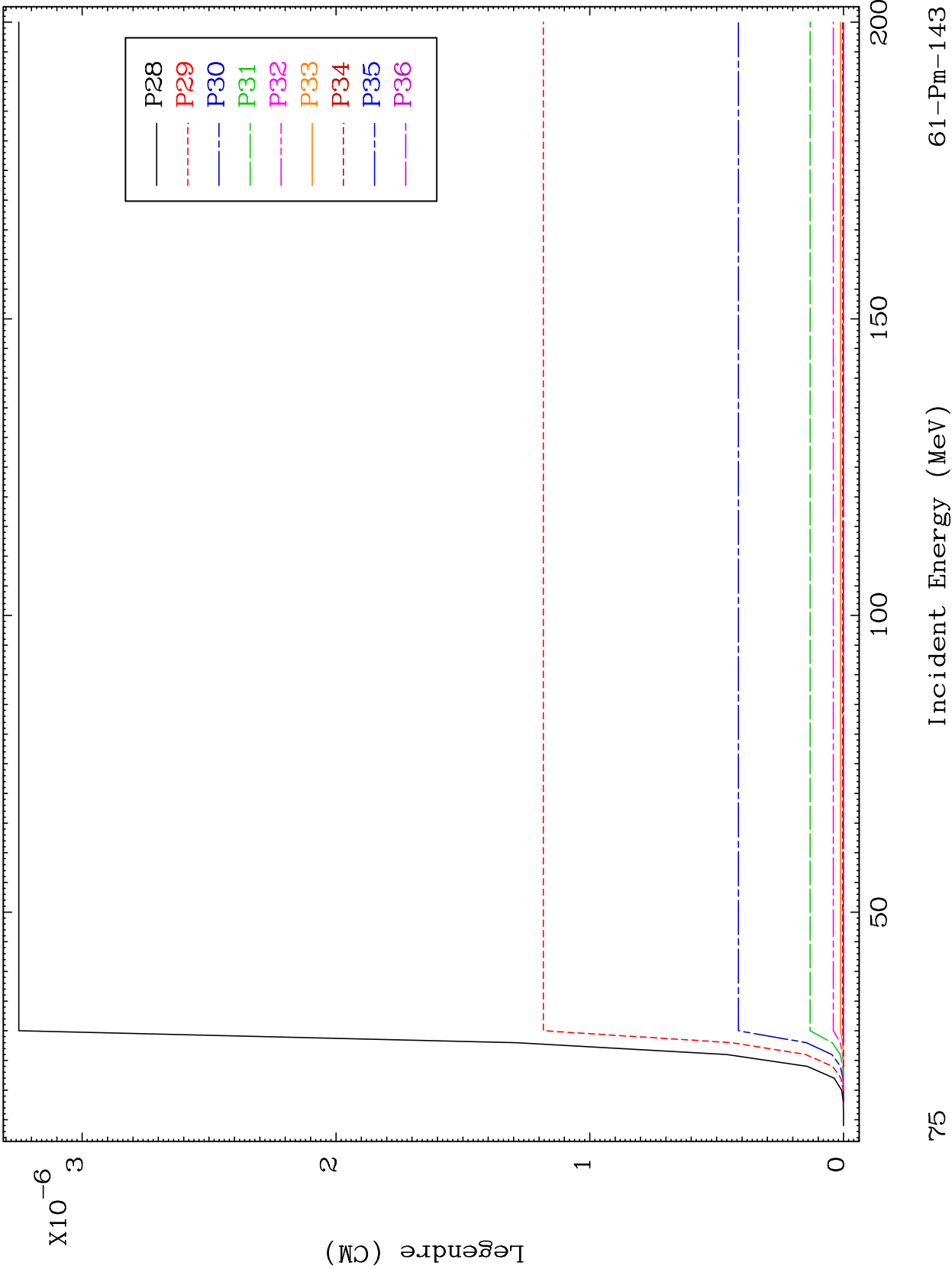
61-Pm-143



MAT 6137

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

61-Pm-143

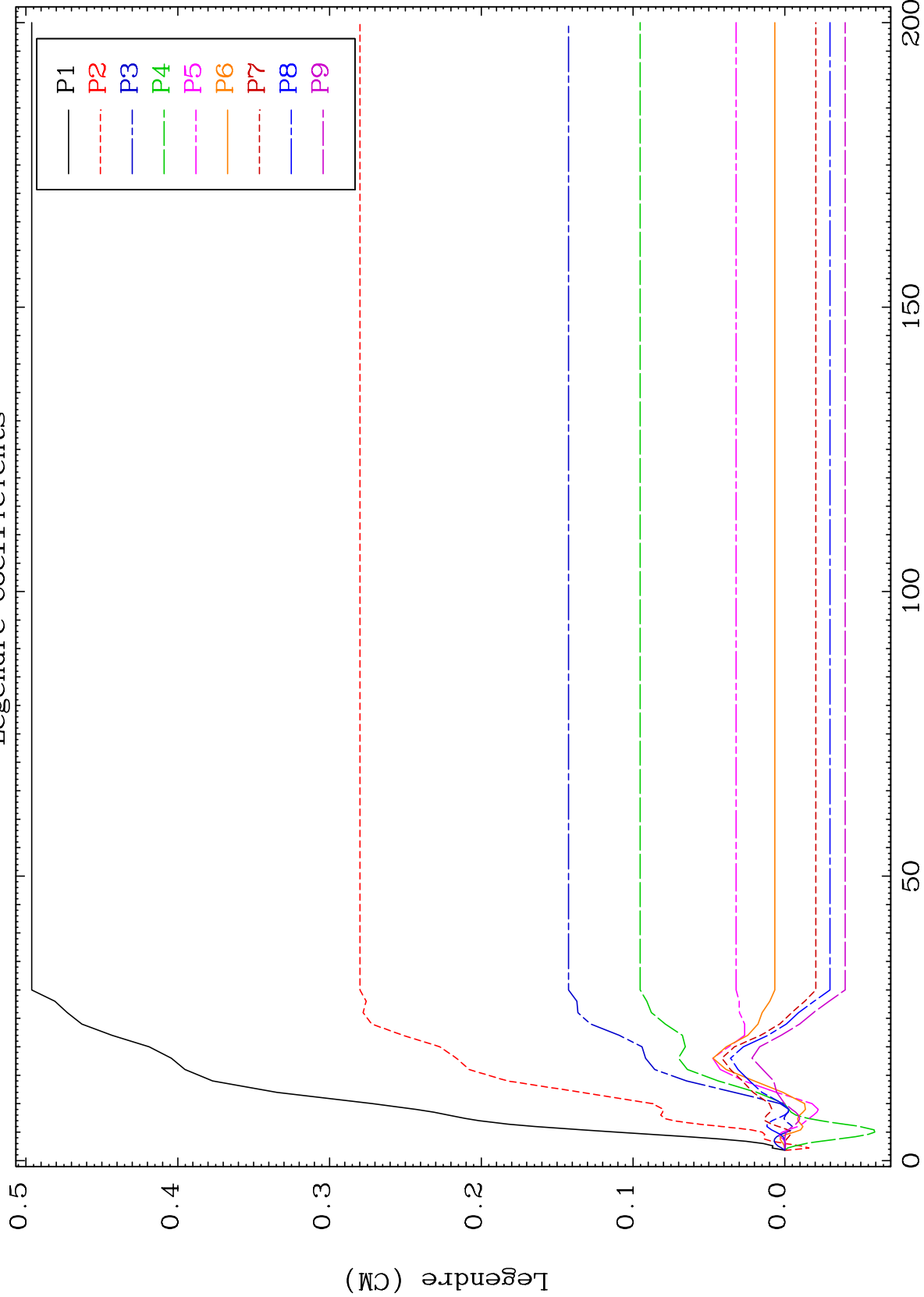


MAT 6137

MT= 65 (n,n') Level

61-Pm-143

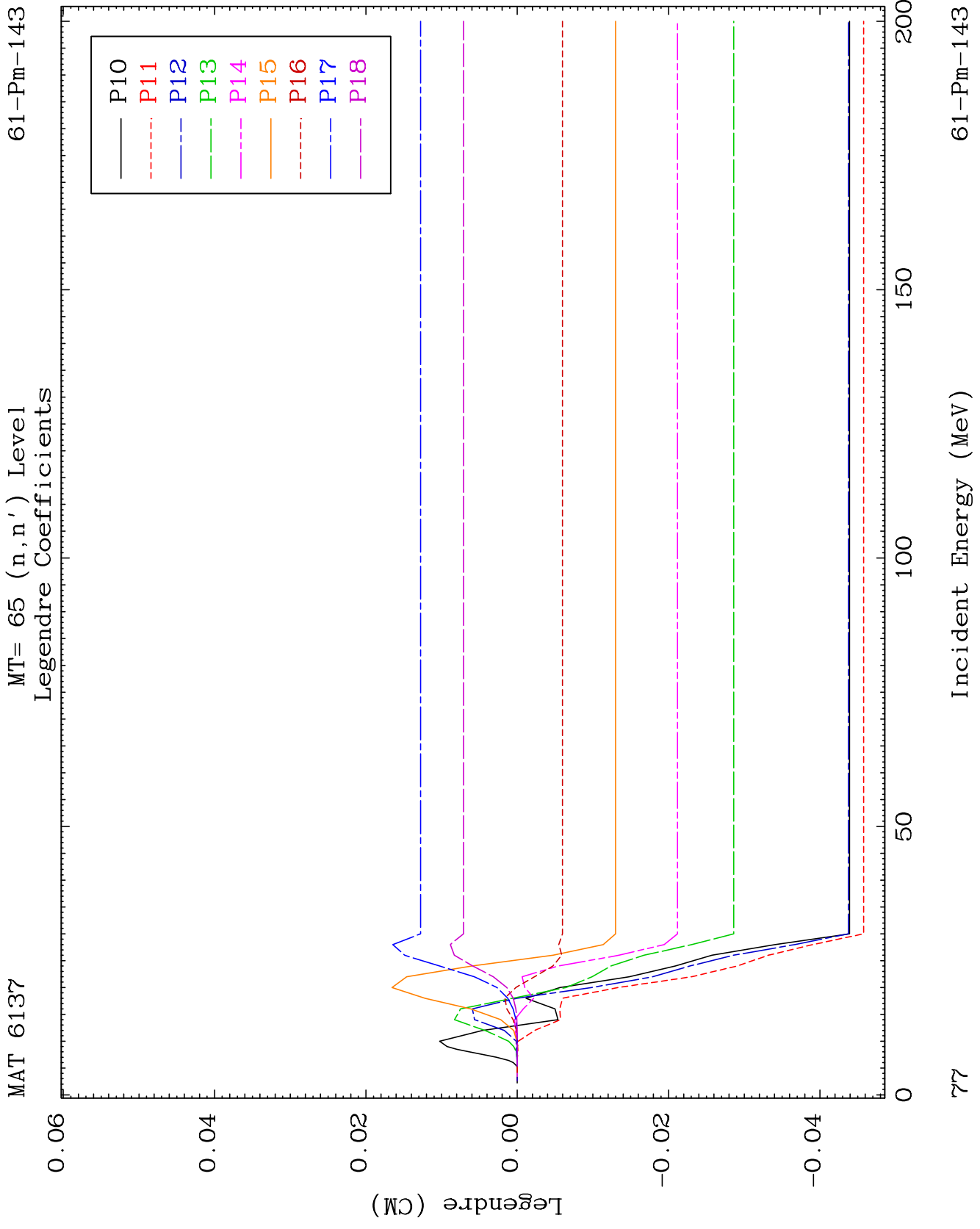
Legendre Coefficients



76

Incident Energy (MeV)

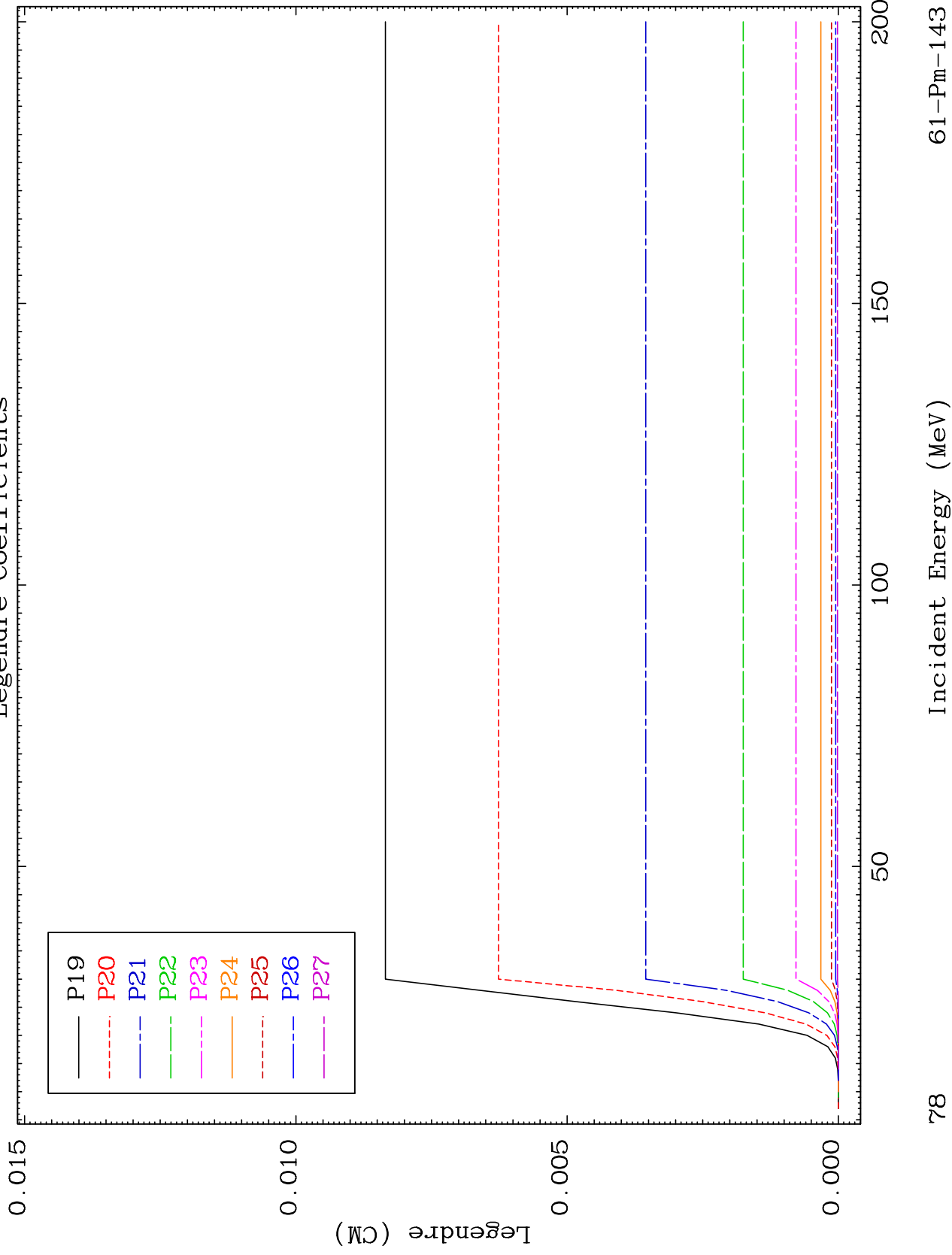
61-Pm-143



MAT 6137

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

61-Pm-143



78

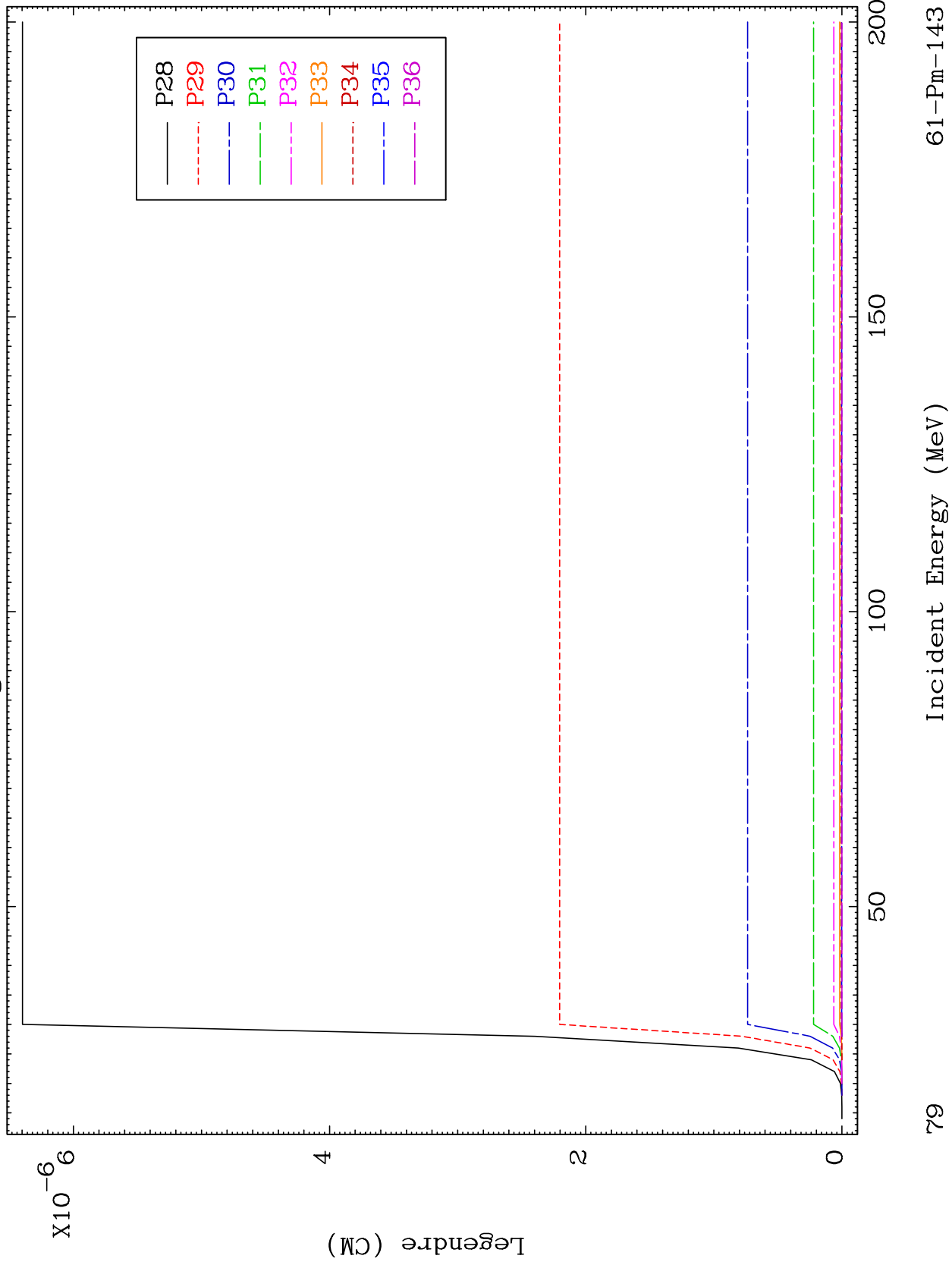
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

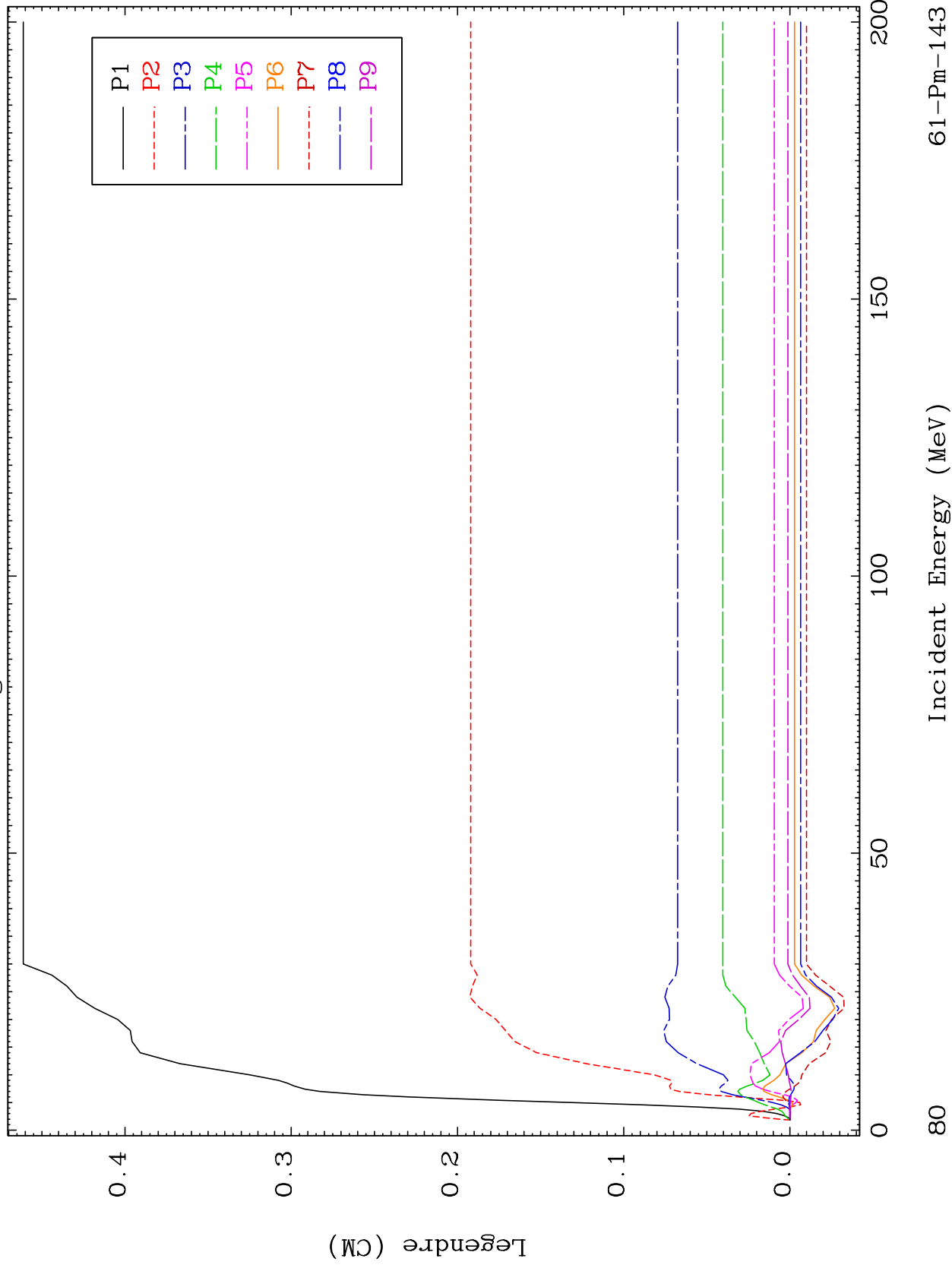
61-Pm-143



MAT 6137

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

61-Pm-143



61-Pm-143

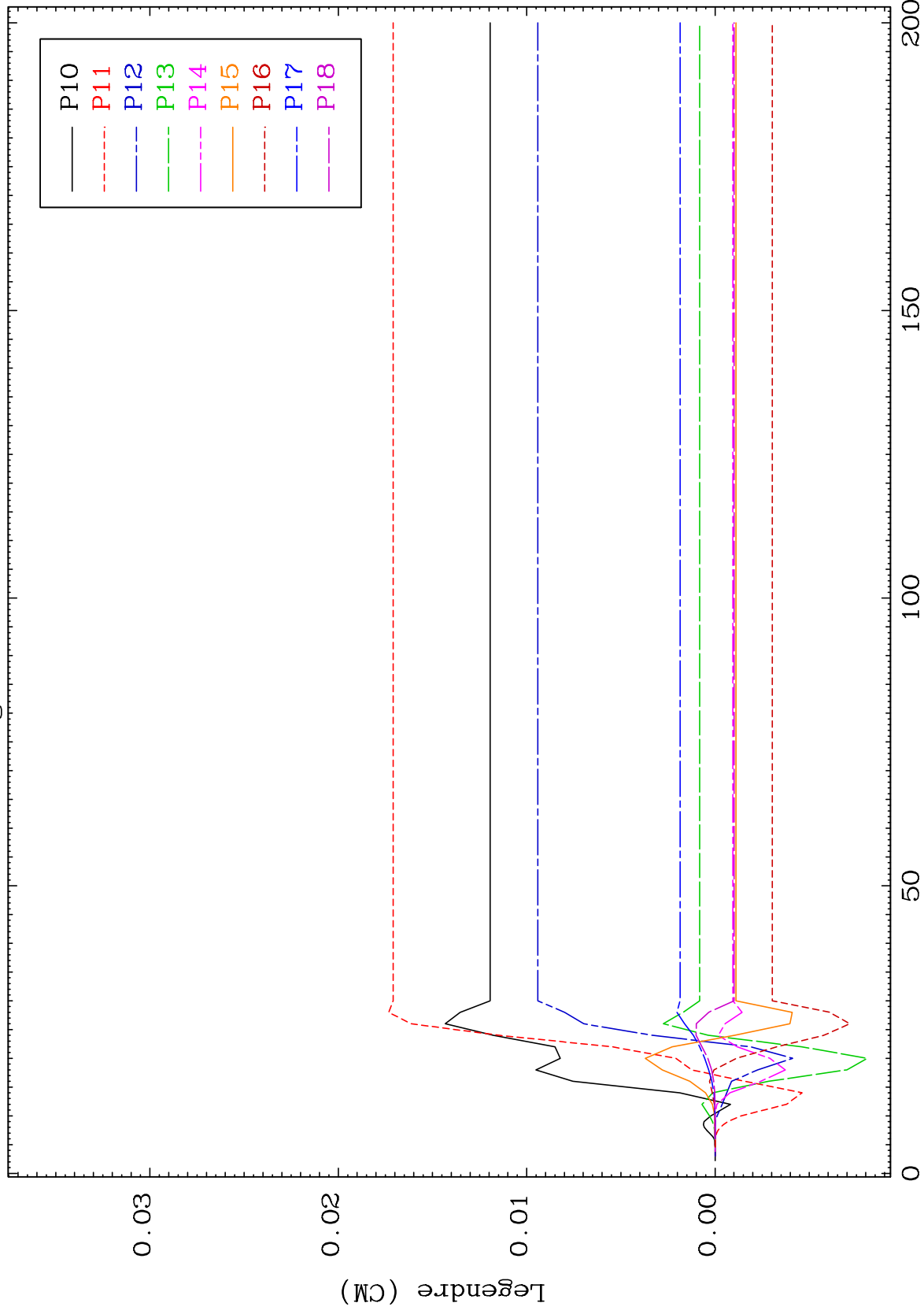
Incident Energy (MeV)

80

MAT 6137

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

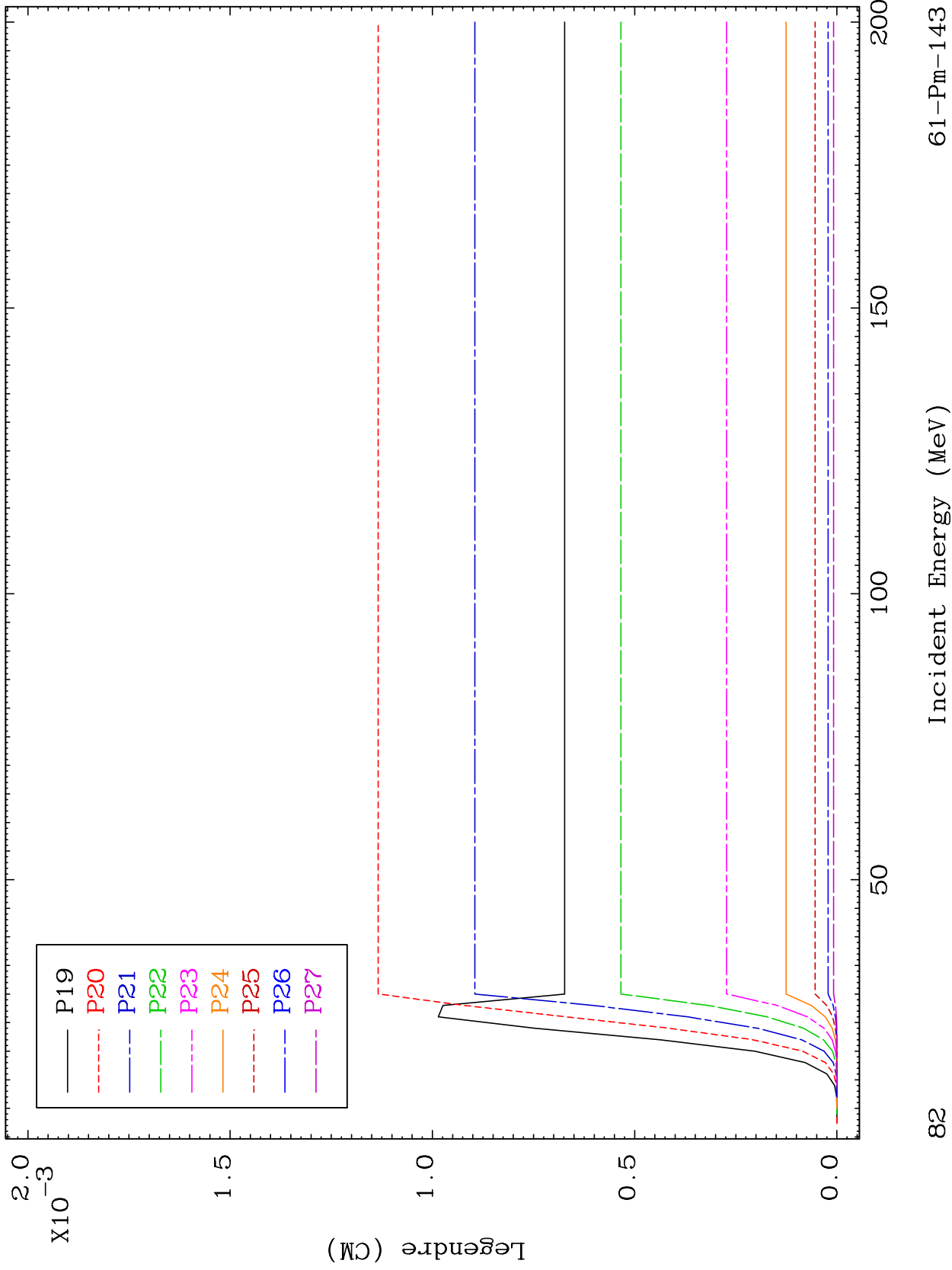
61-Pm-143



81

Incident Energy (MeV)

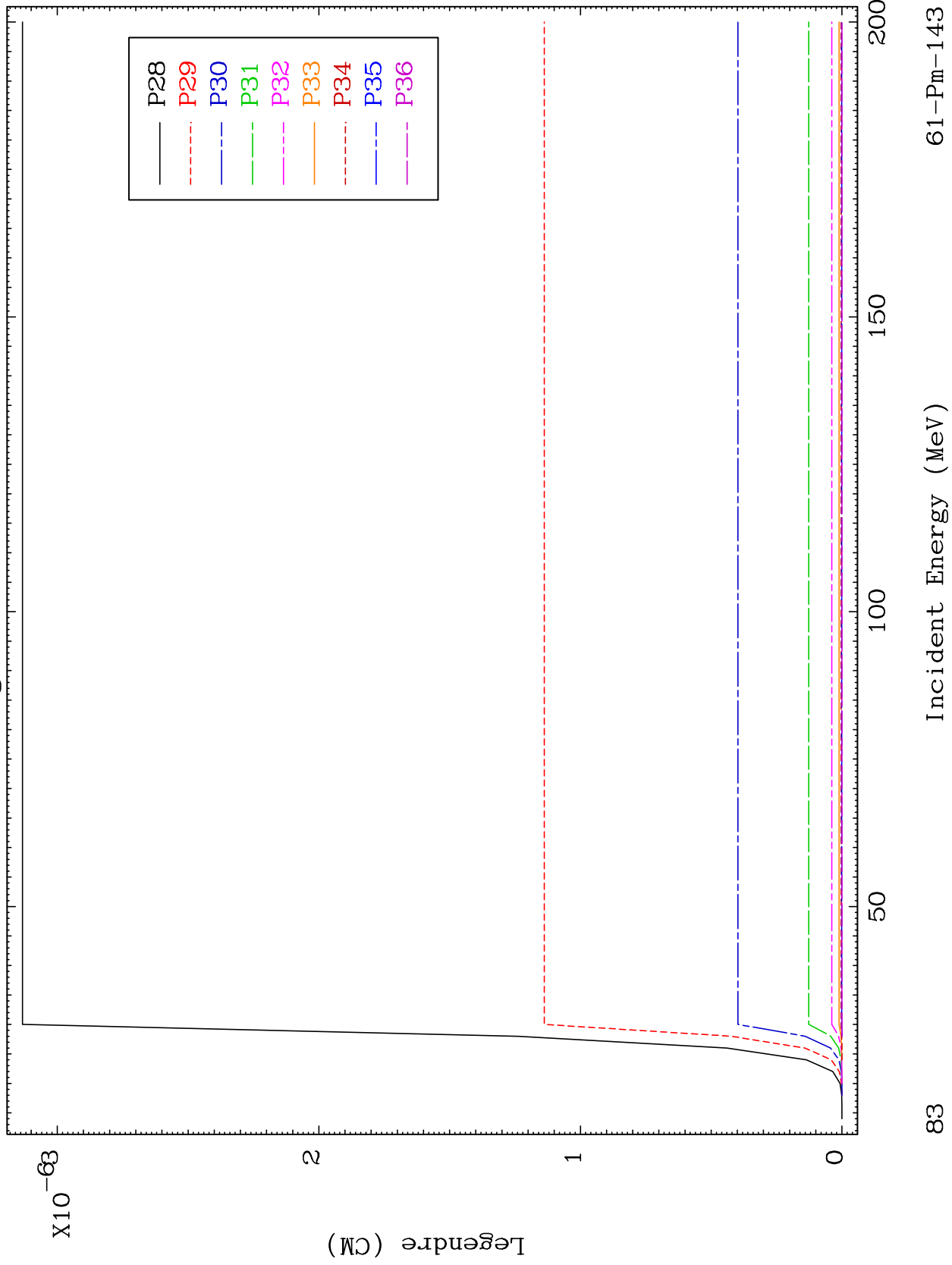
61-Pm-143



MAT 6137

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

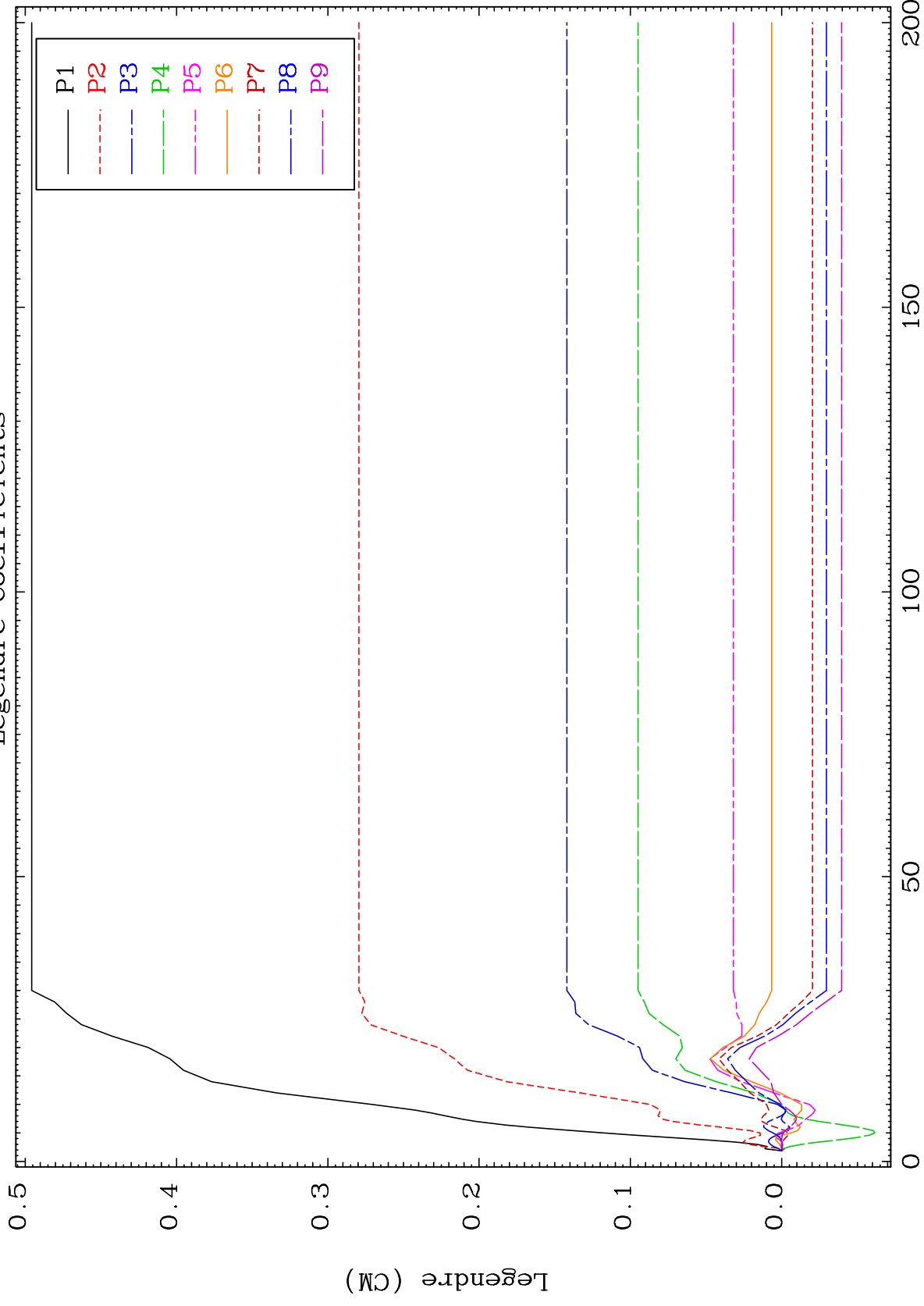
61-Pm-143



MAT 6137

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

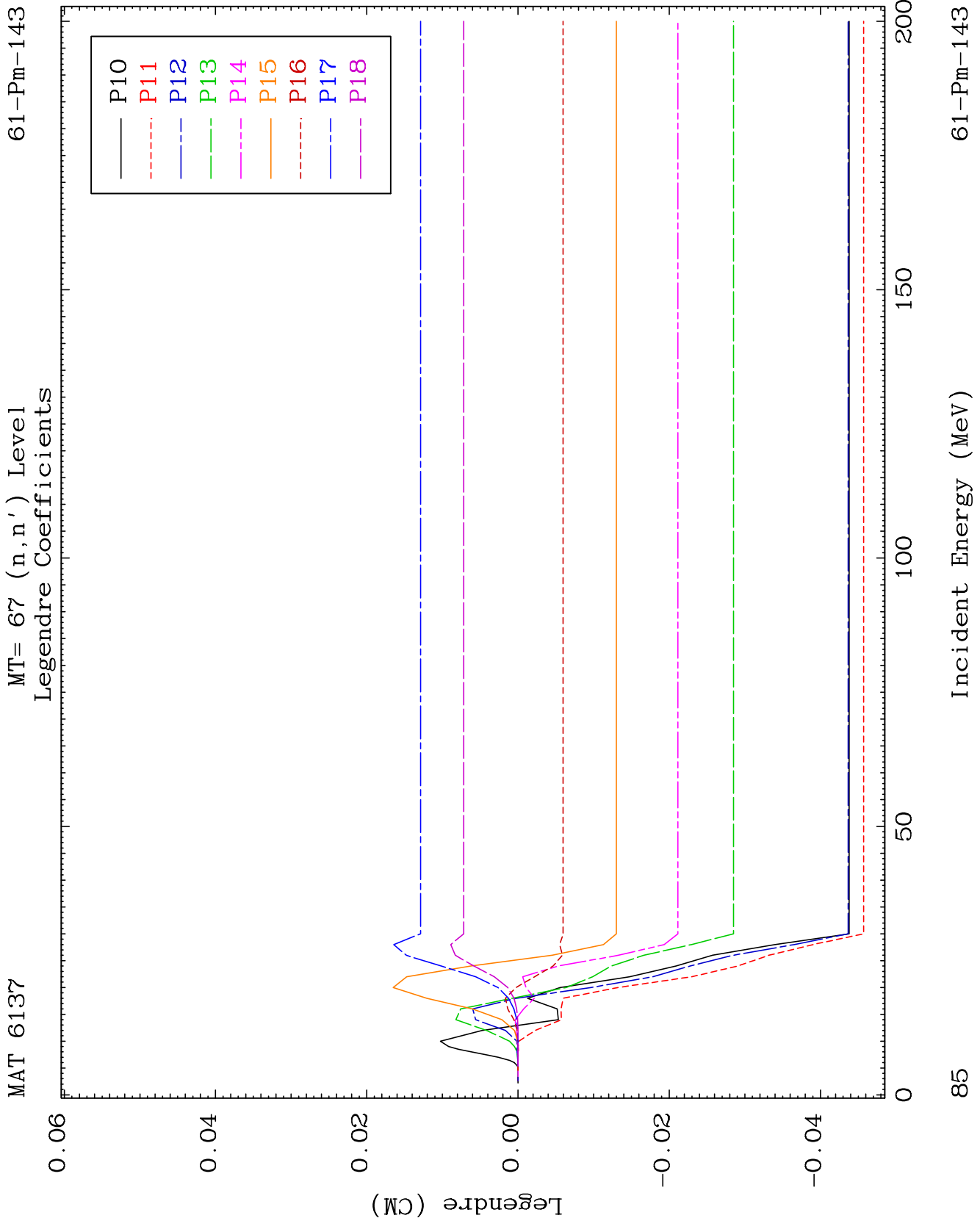
61-Pm-143

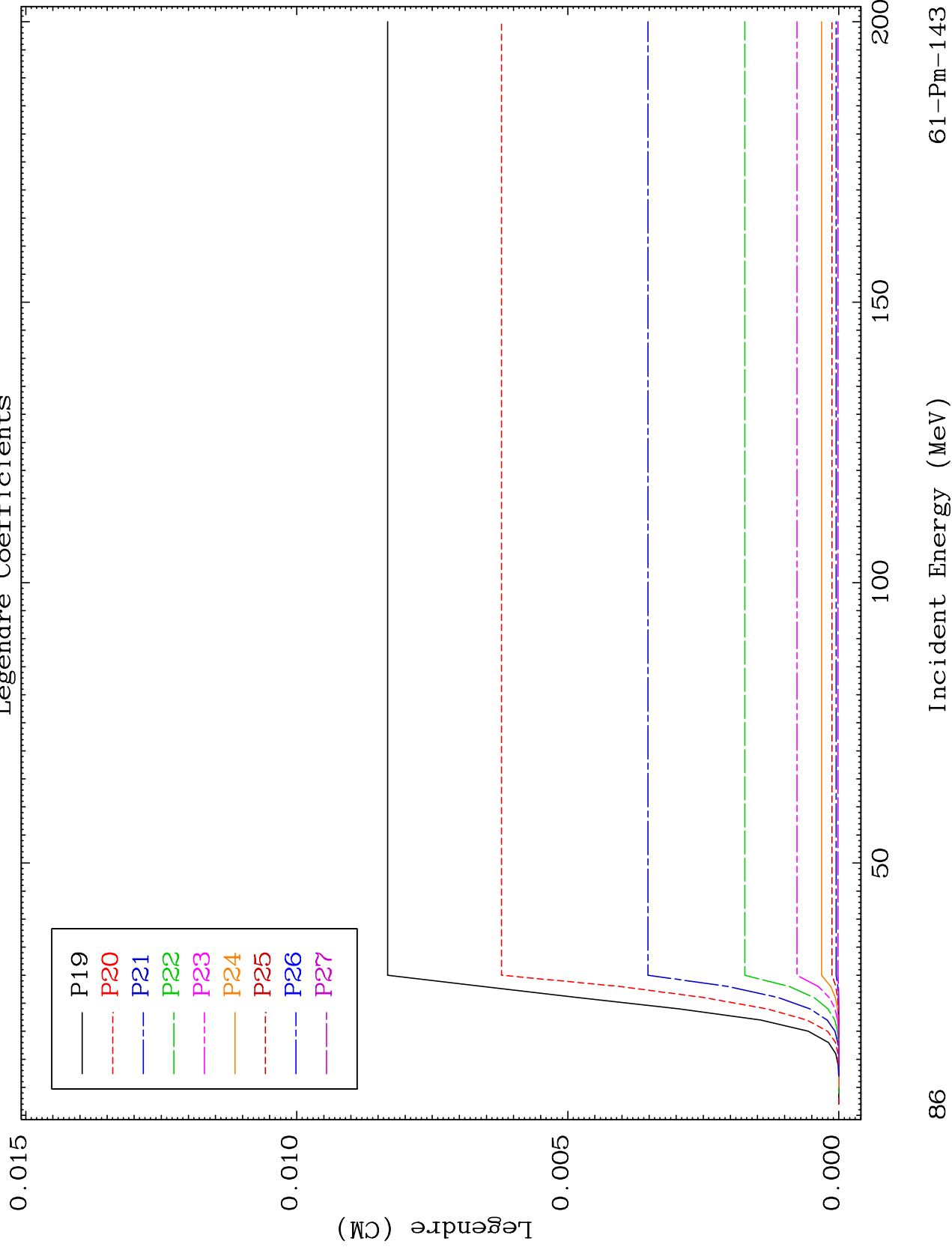


84

Incident Energy (MeV)

61-Pm-143

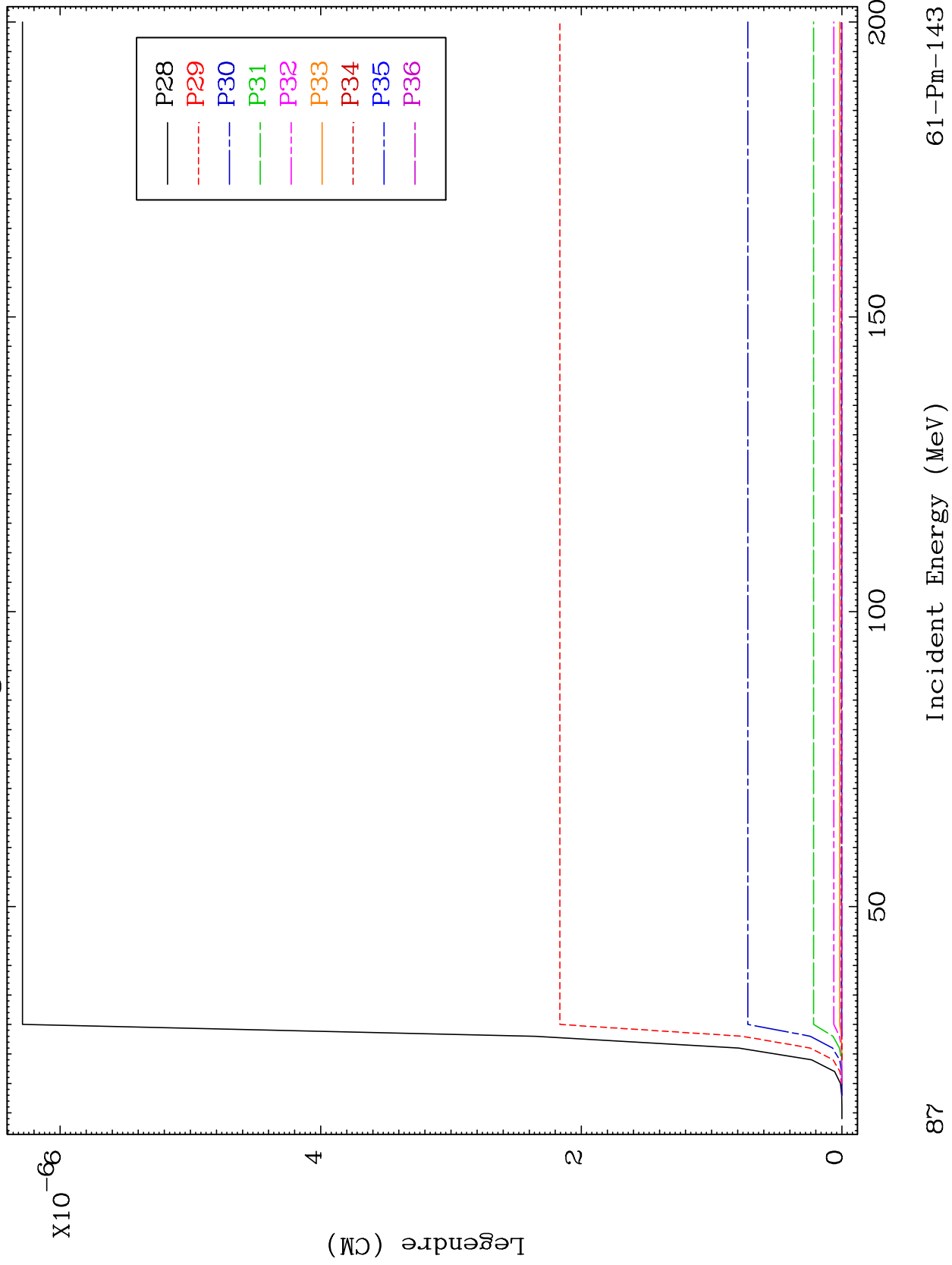




MAT 6137

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

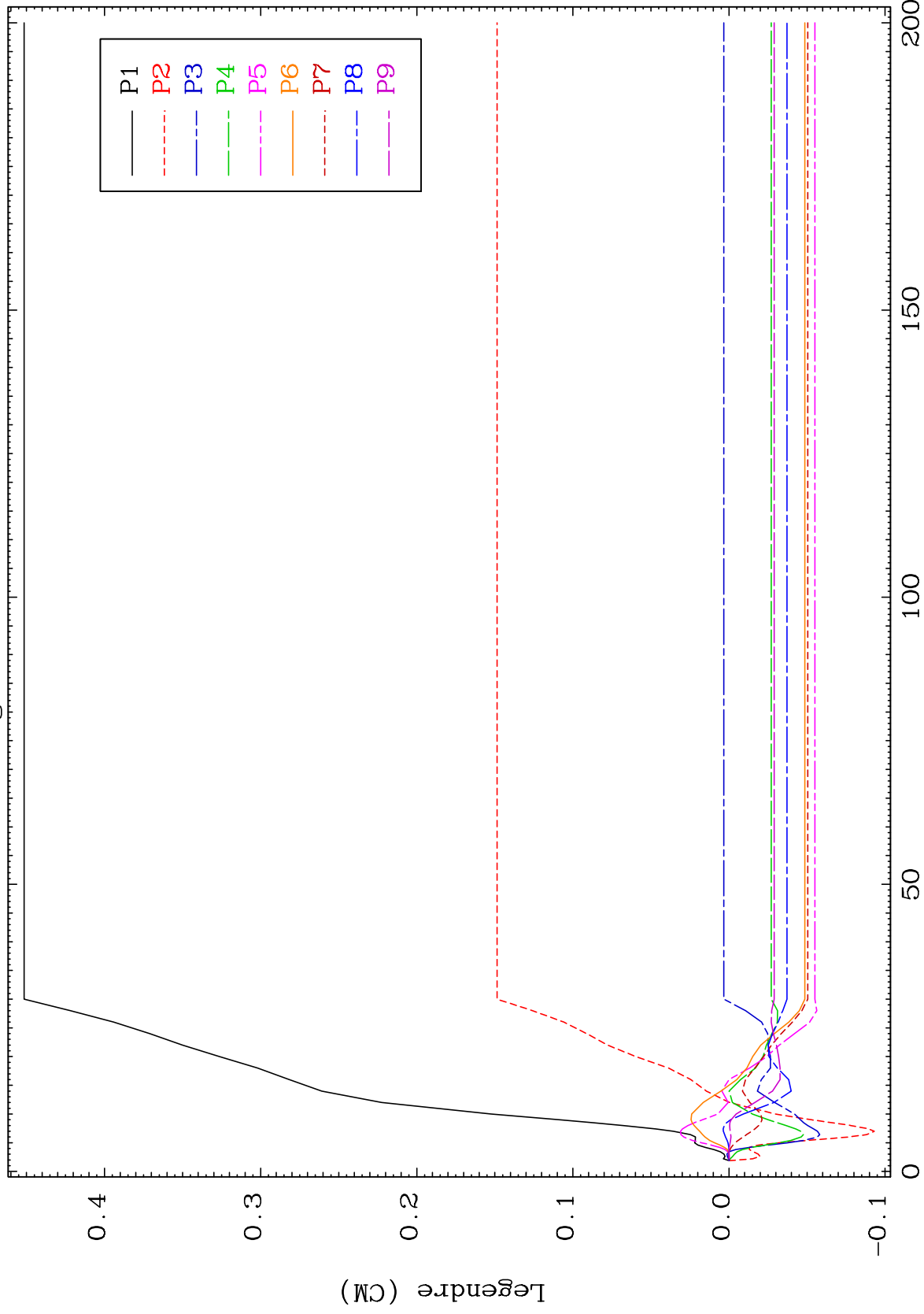
61-Pm-143



MAT 6137

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

61-Pm-143



61-Pm-143

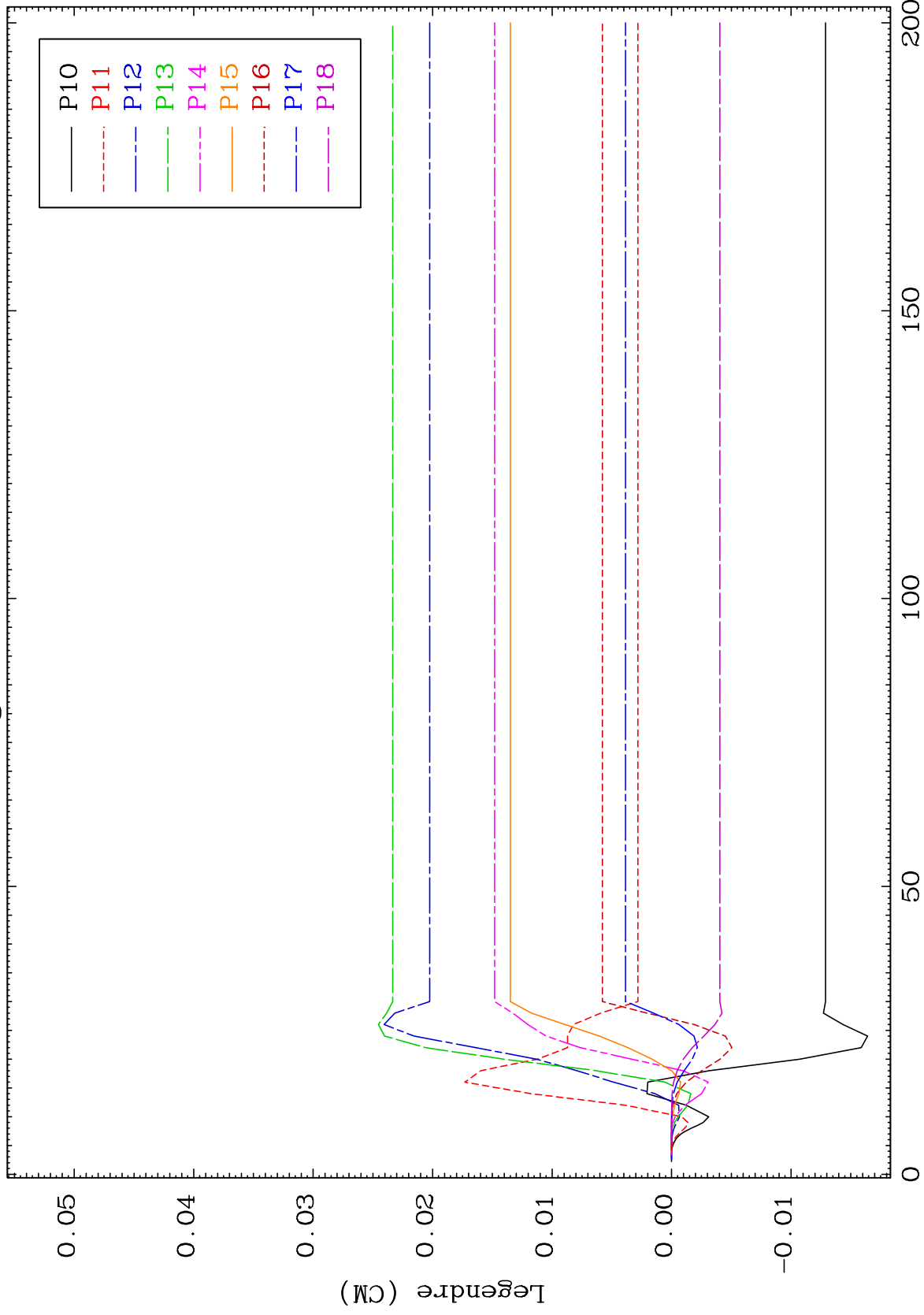
Incident Energy (MeV)

88

MAT 6137

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

61-Pm-143



89

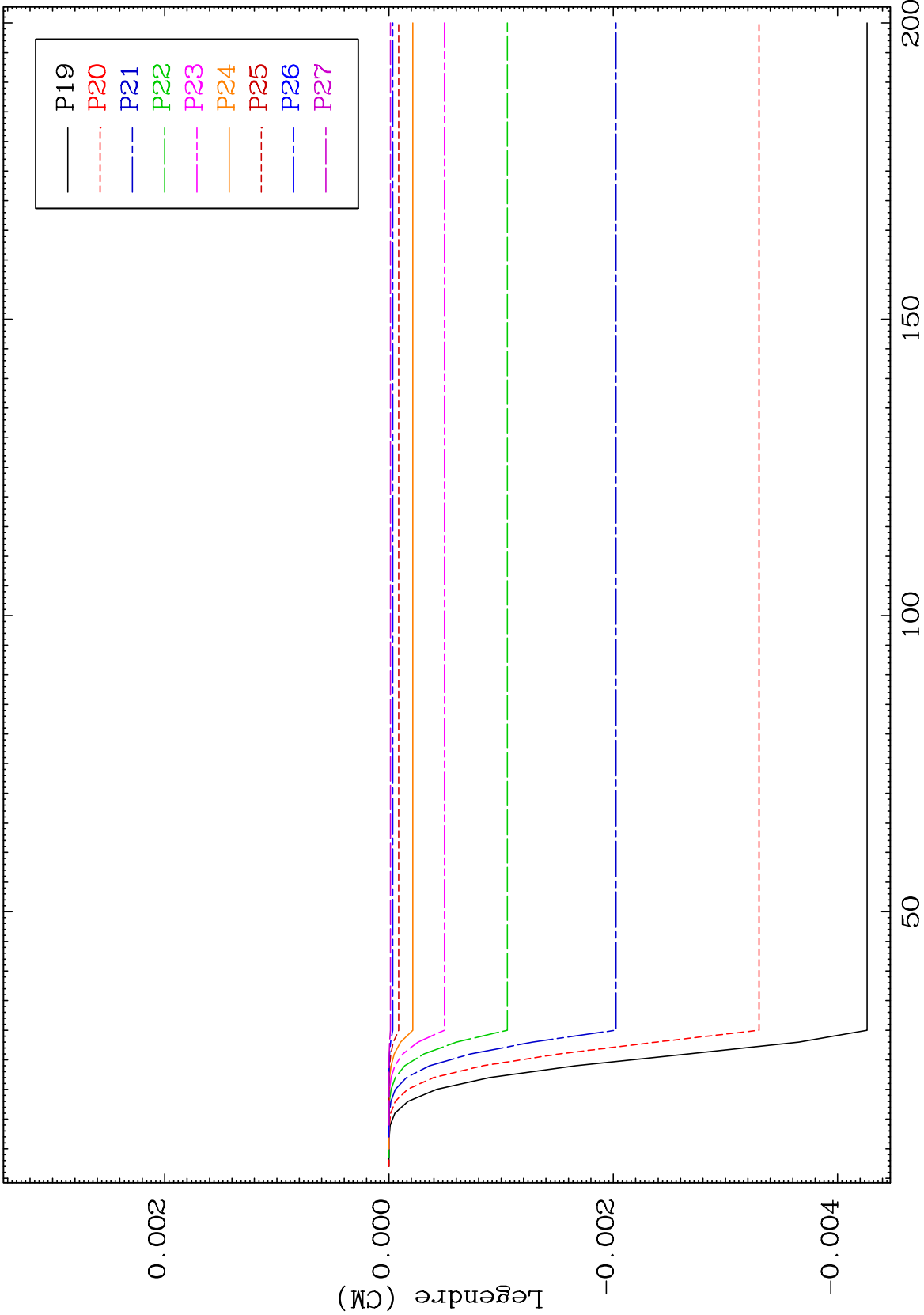
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



90

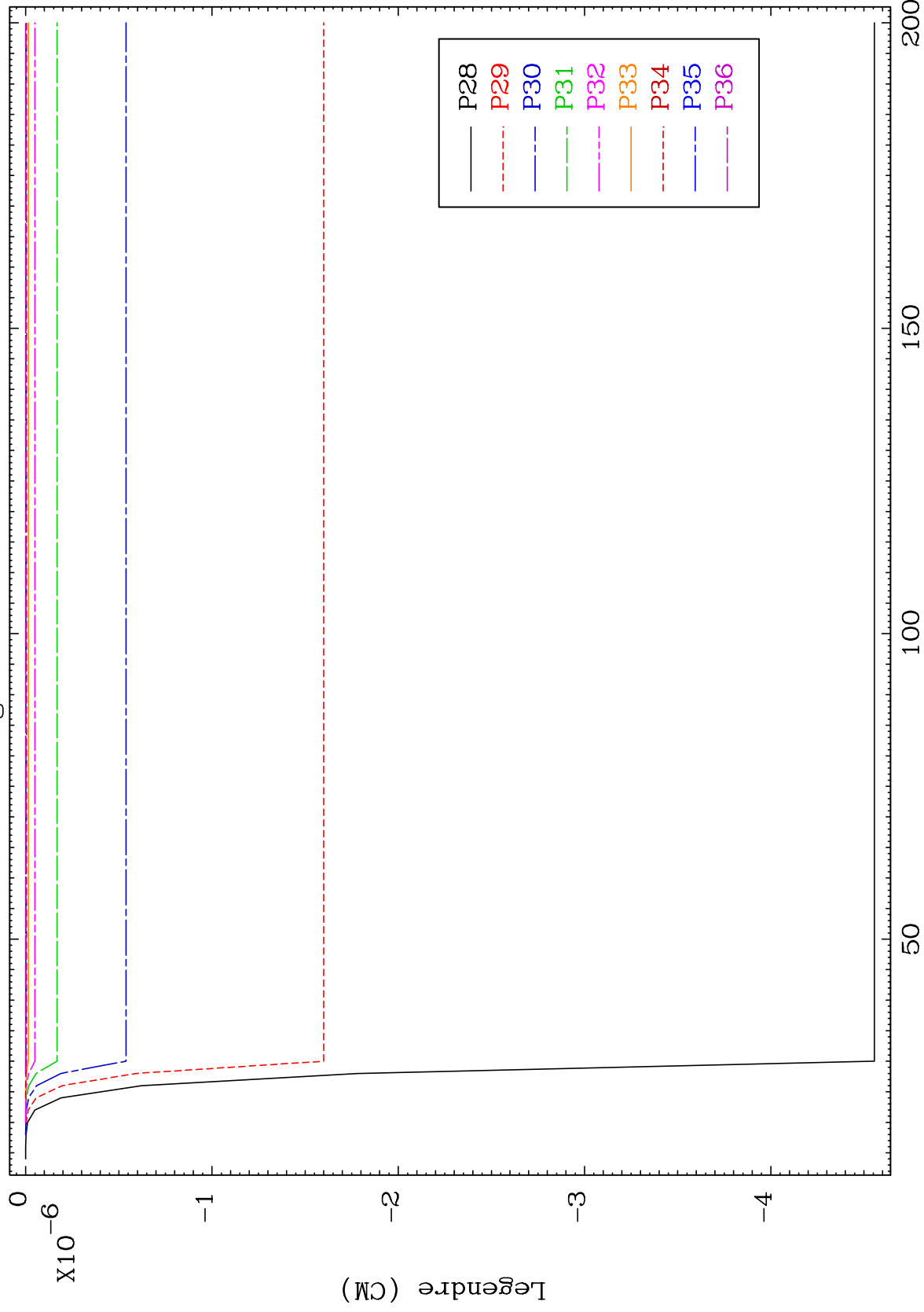
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



91

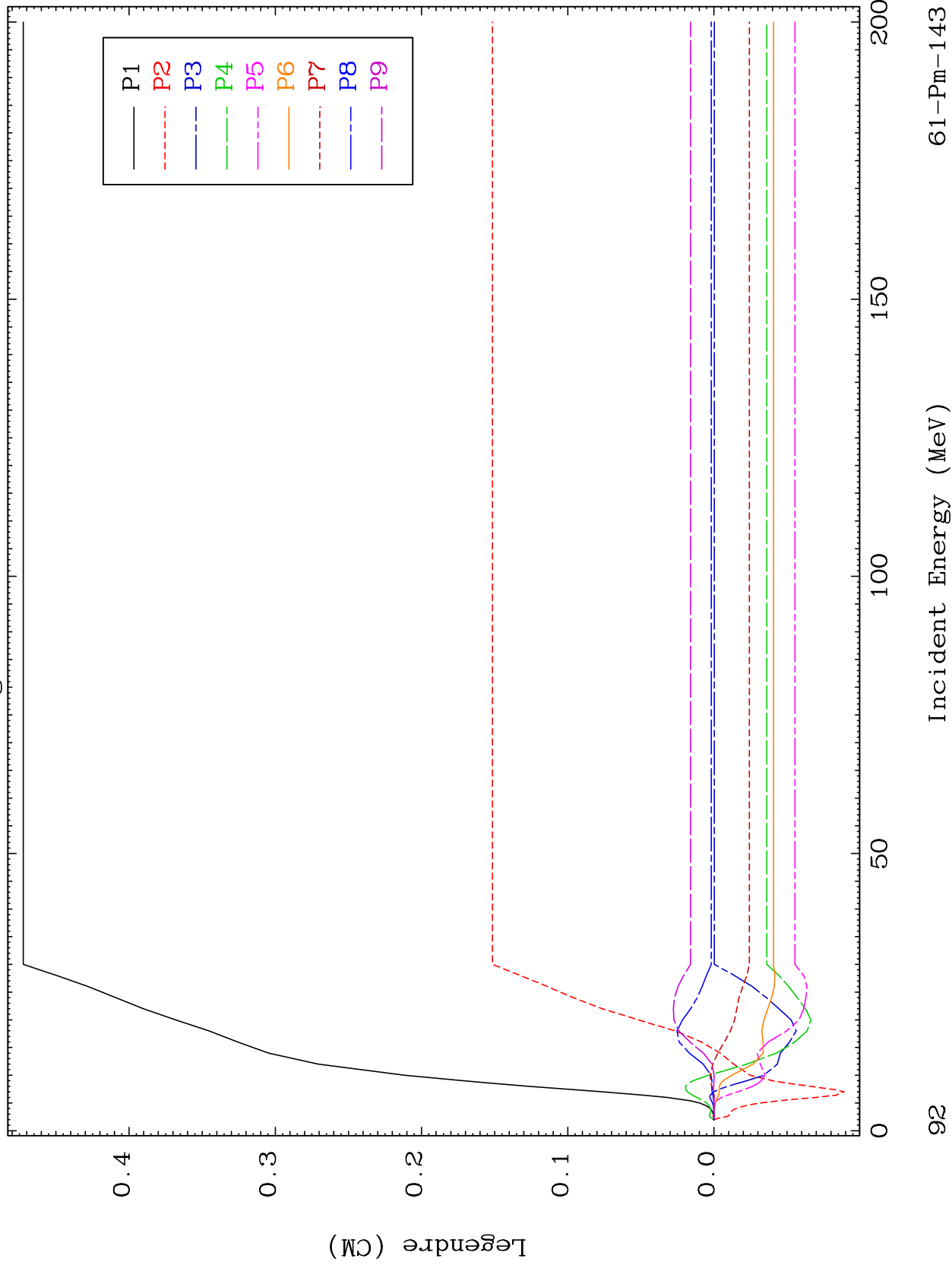
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



61-Pm-143

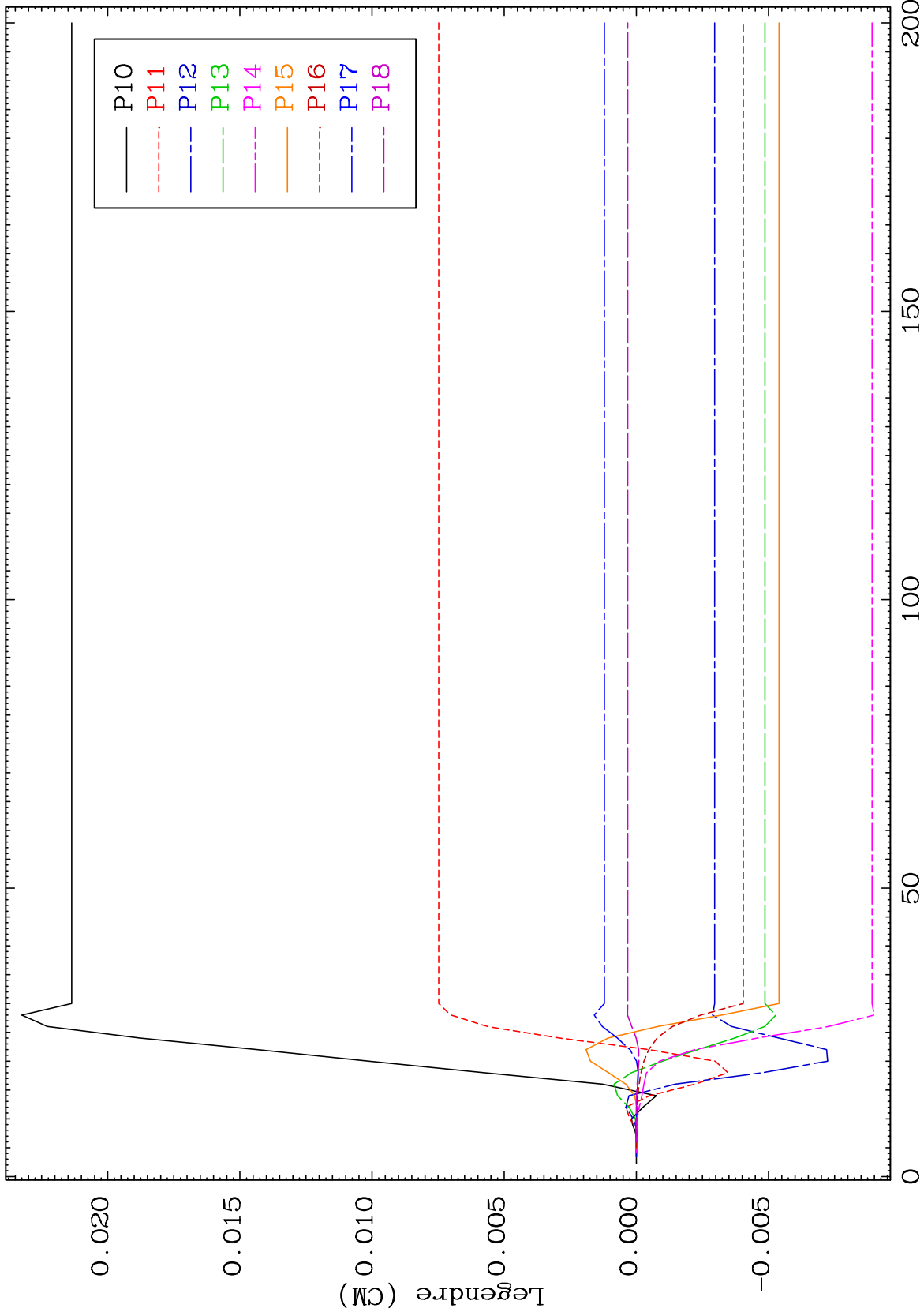
Incident Energy (MeV)

92

MAT 6137

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

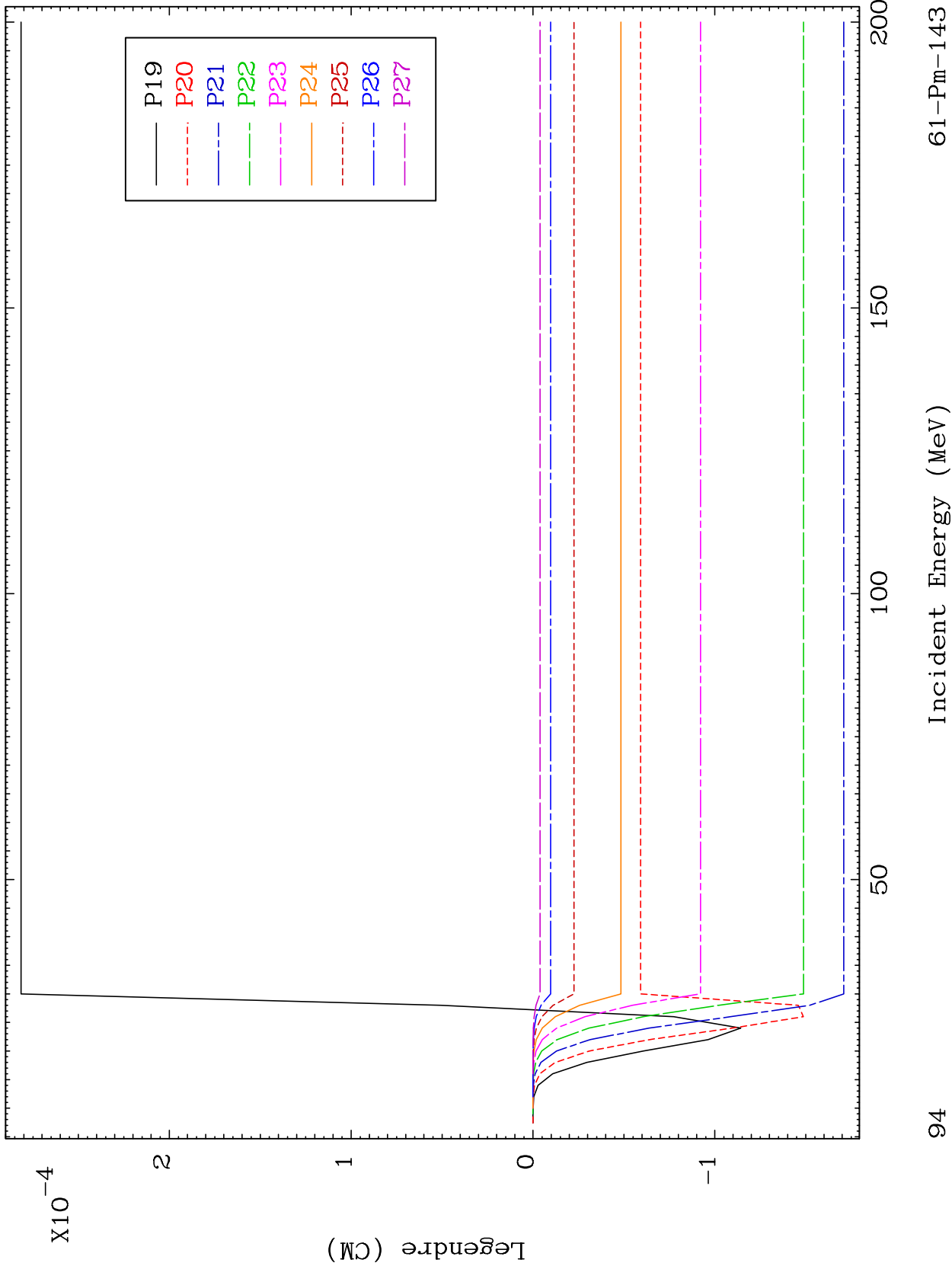
61-Pm-143



93

Incident Energy (MeV)

61-Pm-143

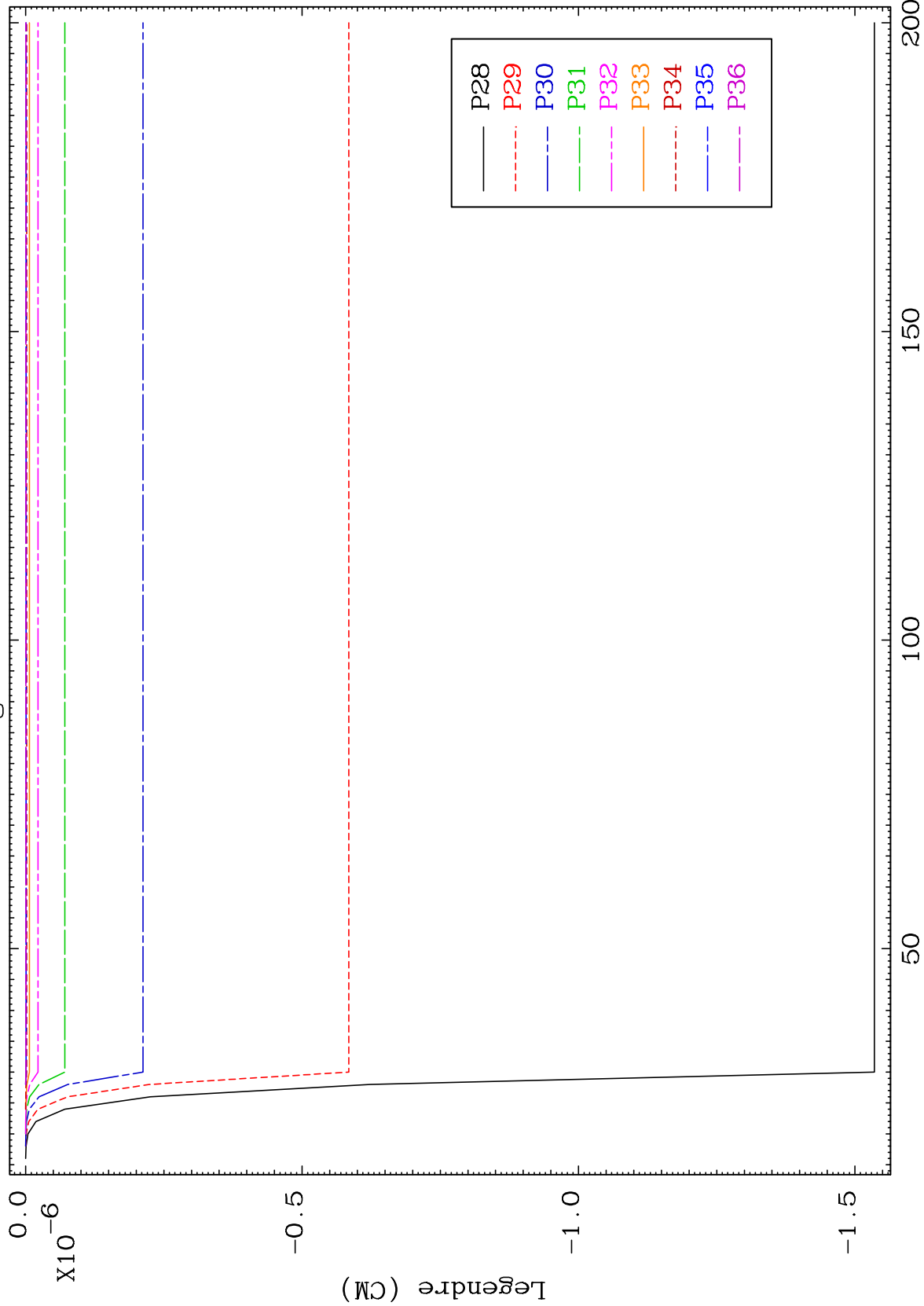


MAT 6137

MT= 69 (n,n') Level

61-Pm-143

Legendre Coefficients



95

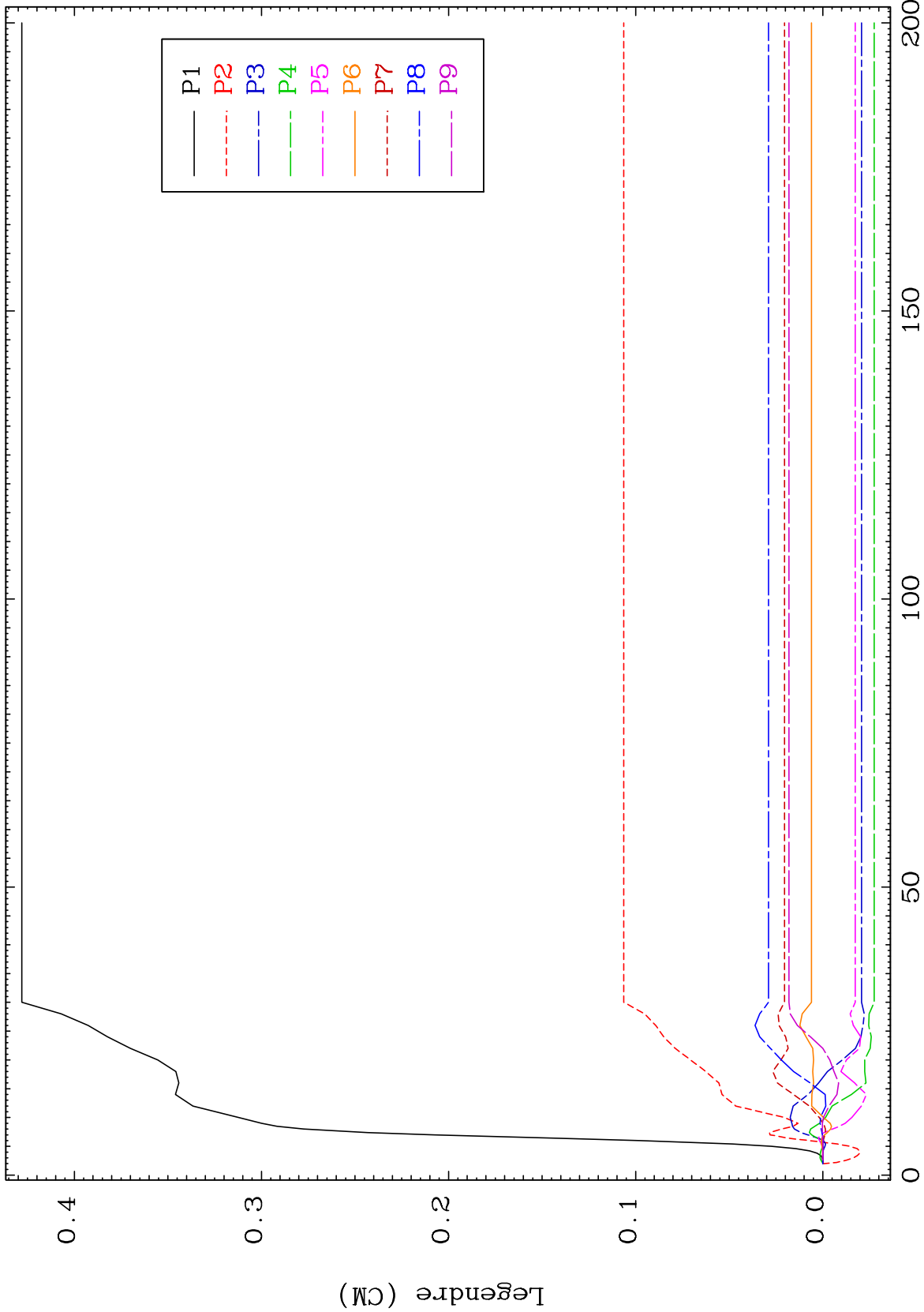
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



96

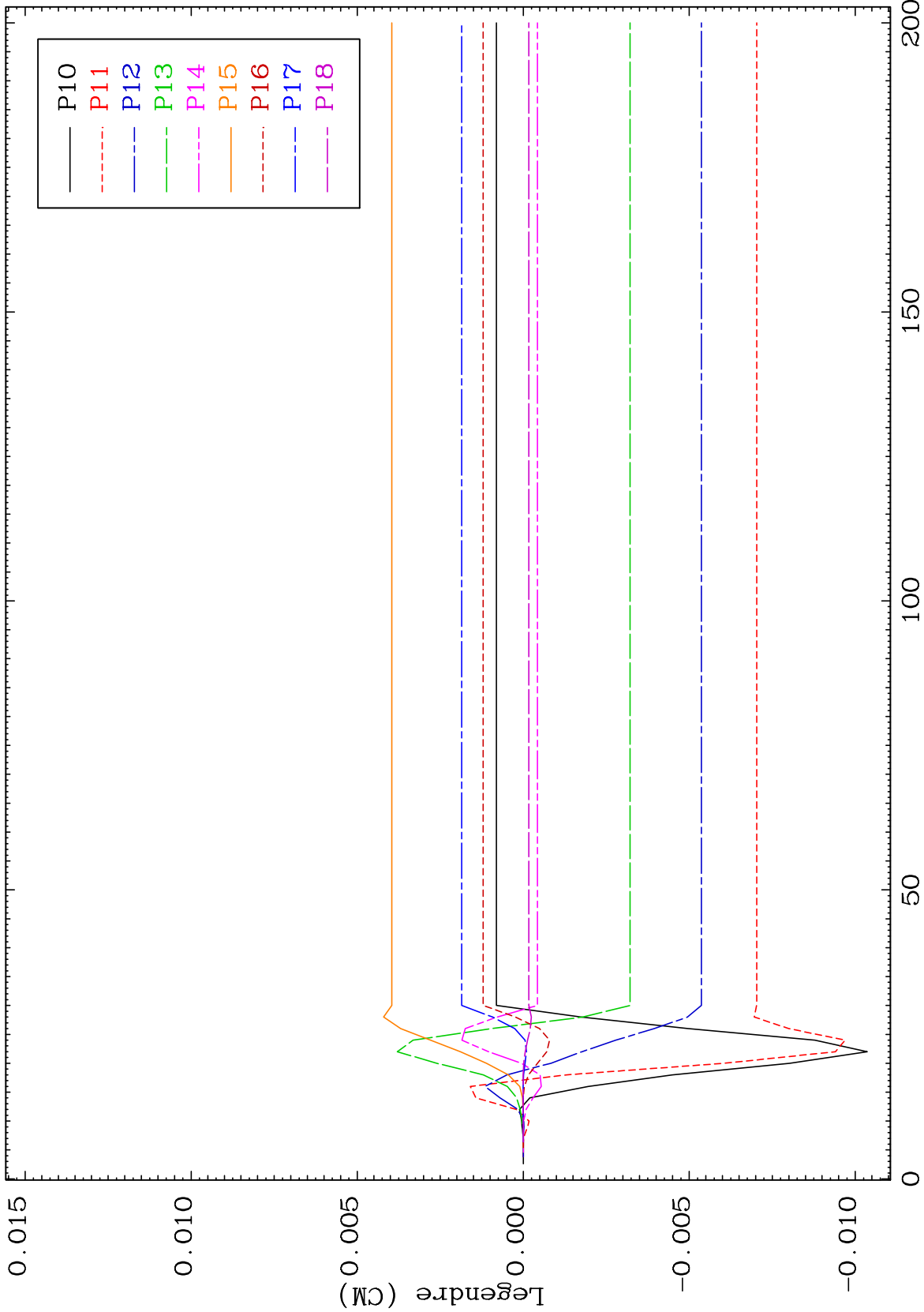
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



97

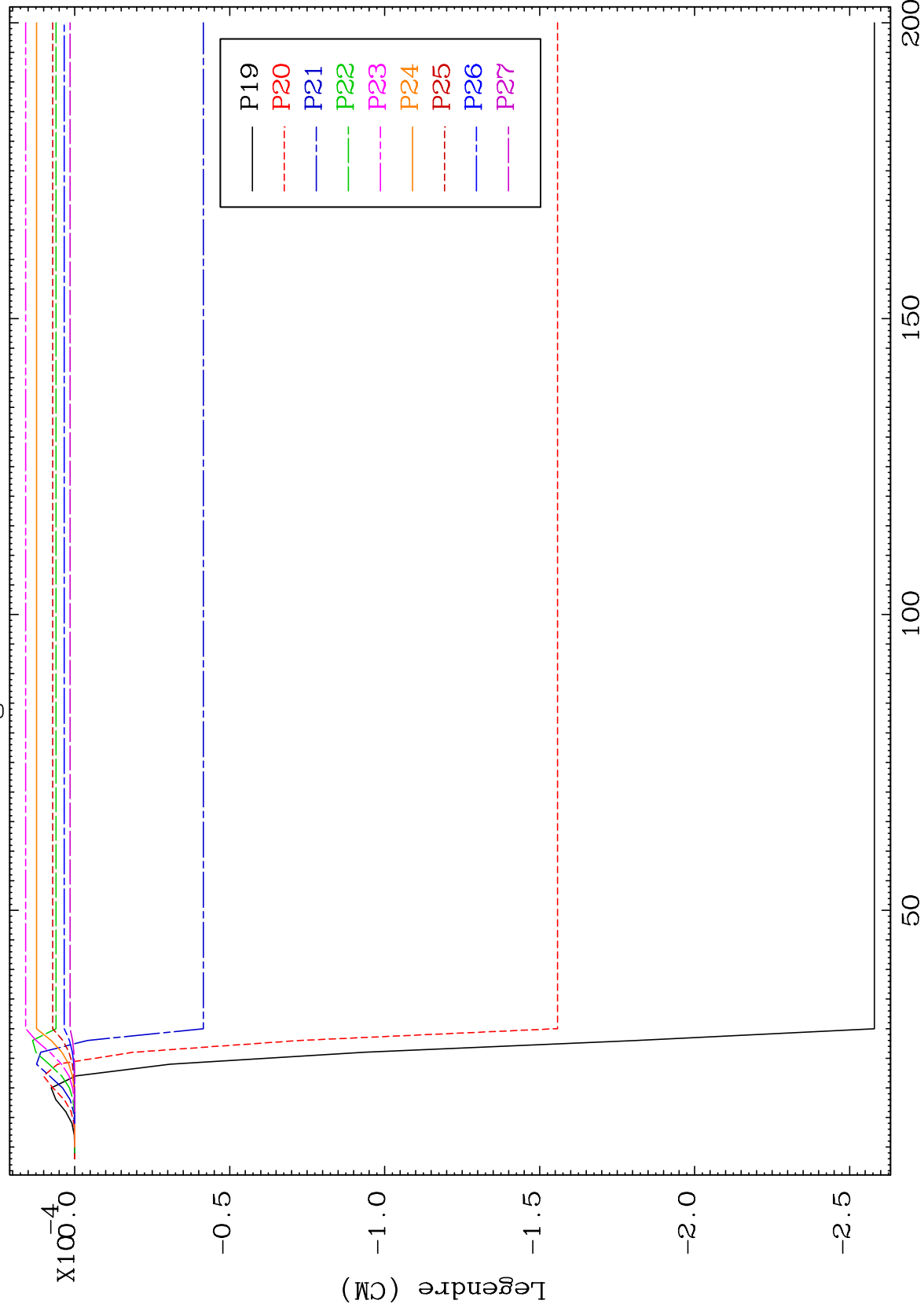
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

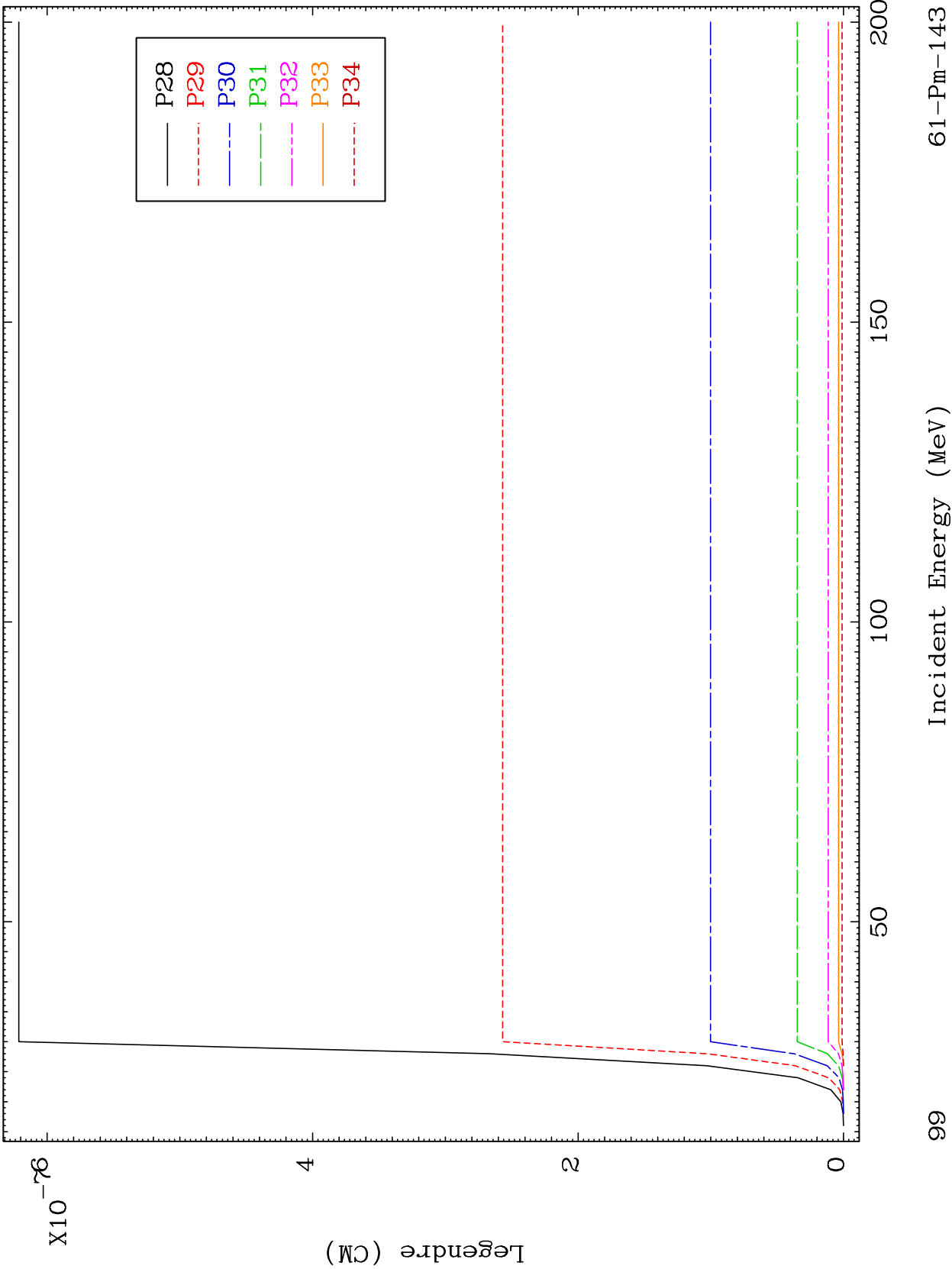
61-Pm-143



MAT 6137

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

61-Pm-143



99

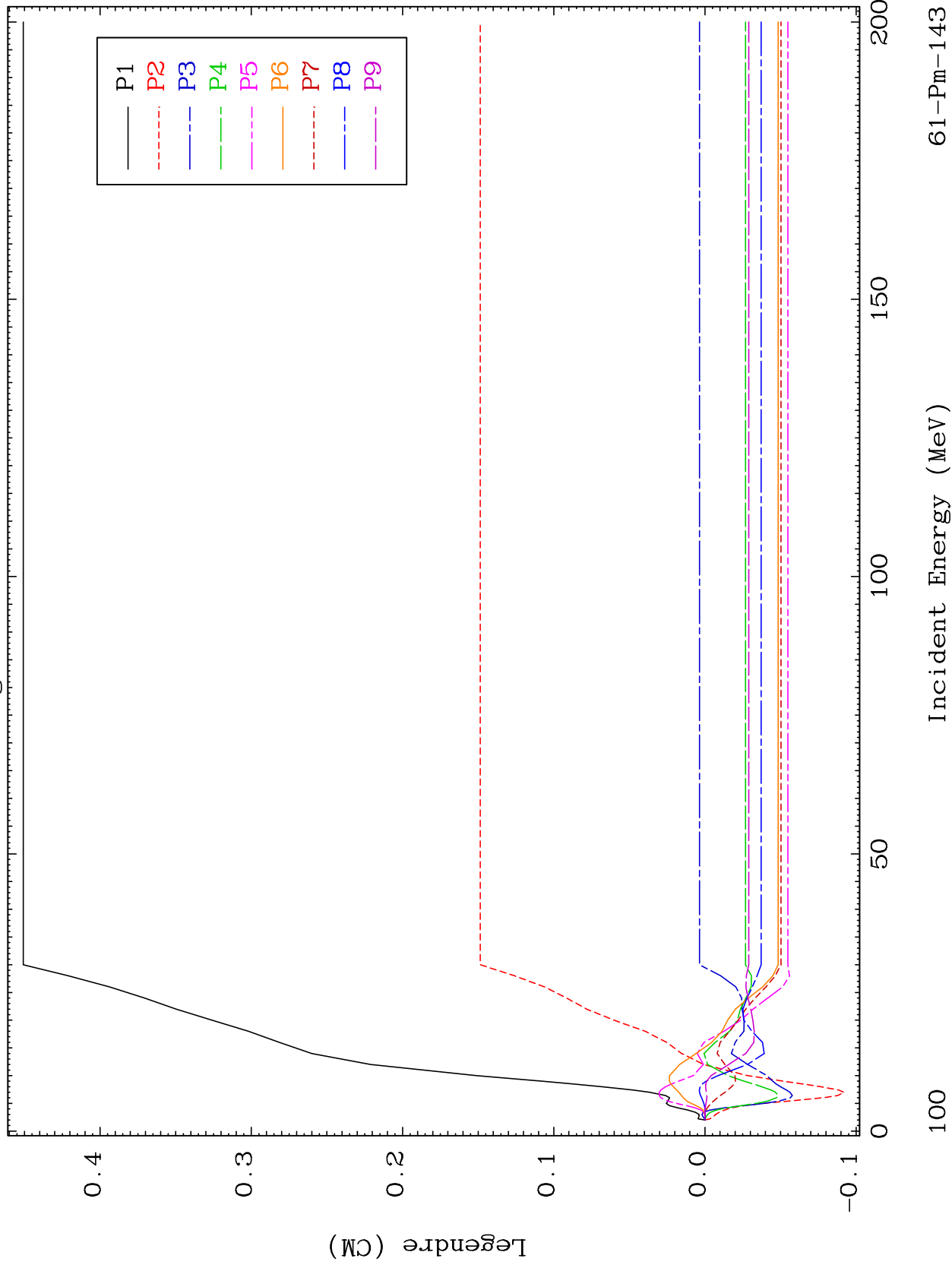
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



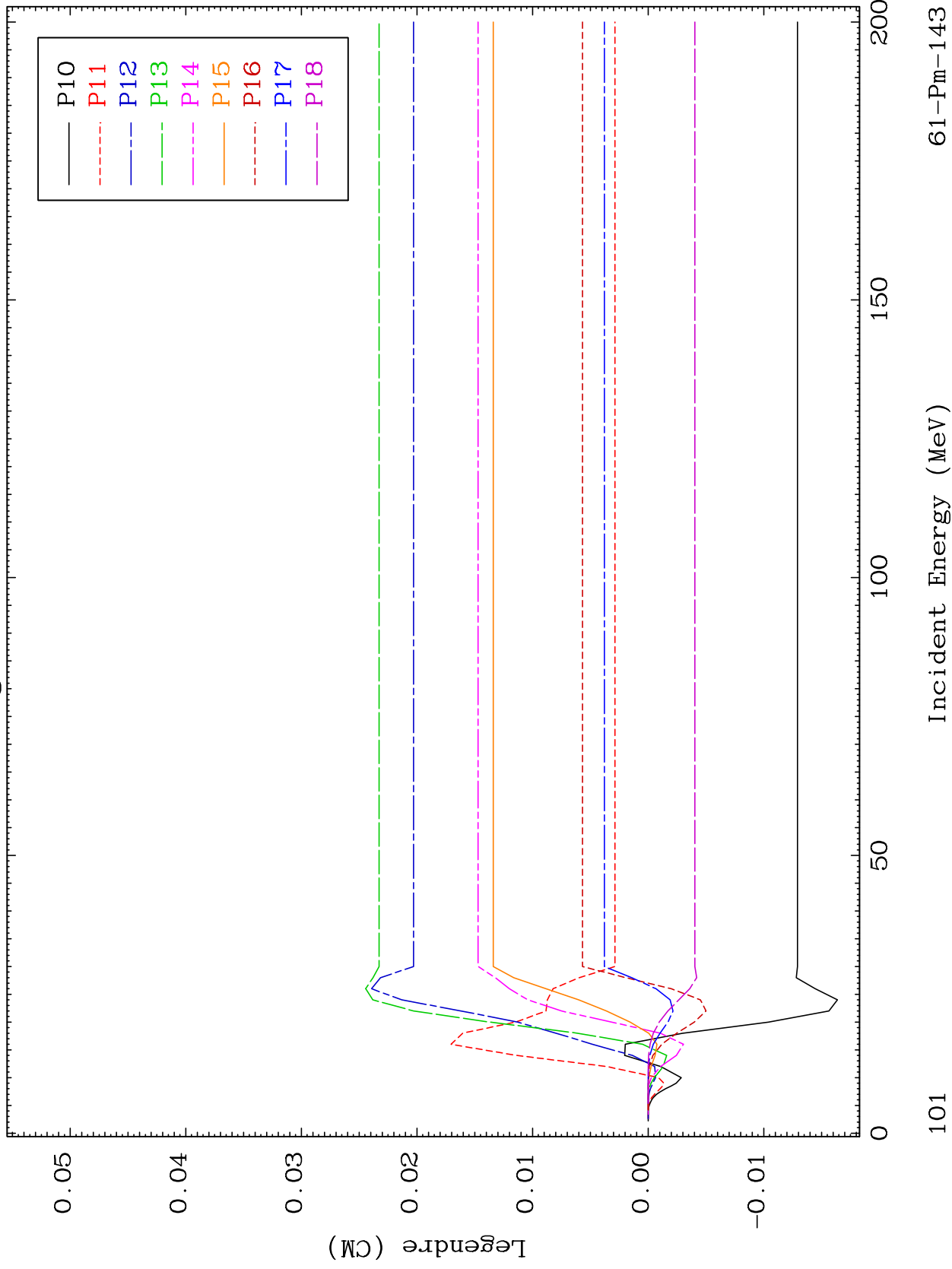
61-Pm-143

Incident Energy (MeV)

MAT 6137

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

61-Pm-143



61-Pm-143

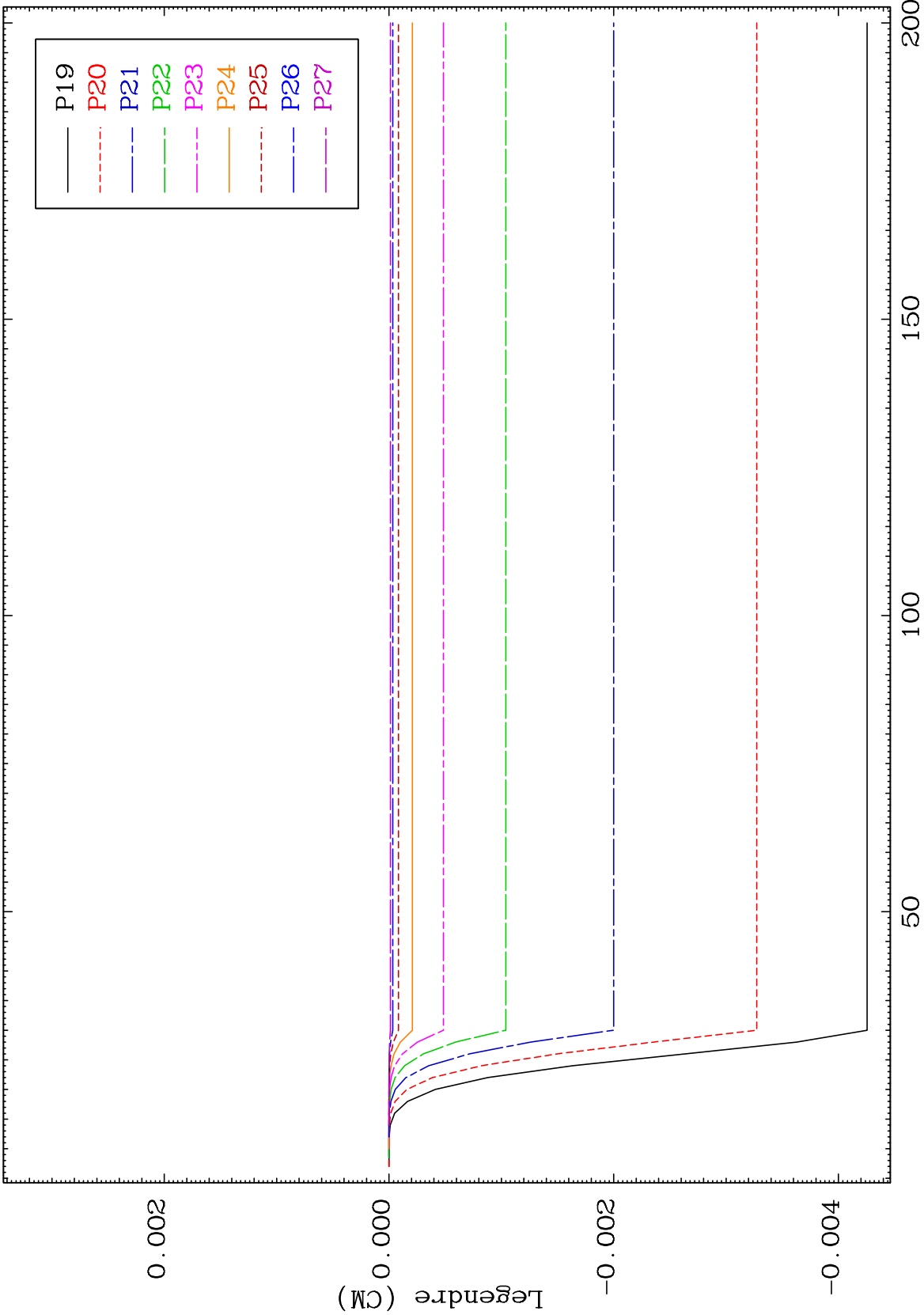
Incident Energy (MeV)

101

MAT 6137

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

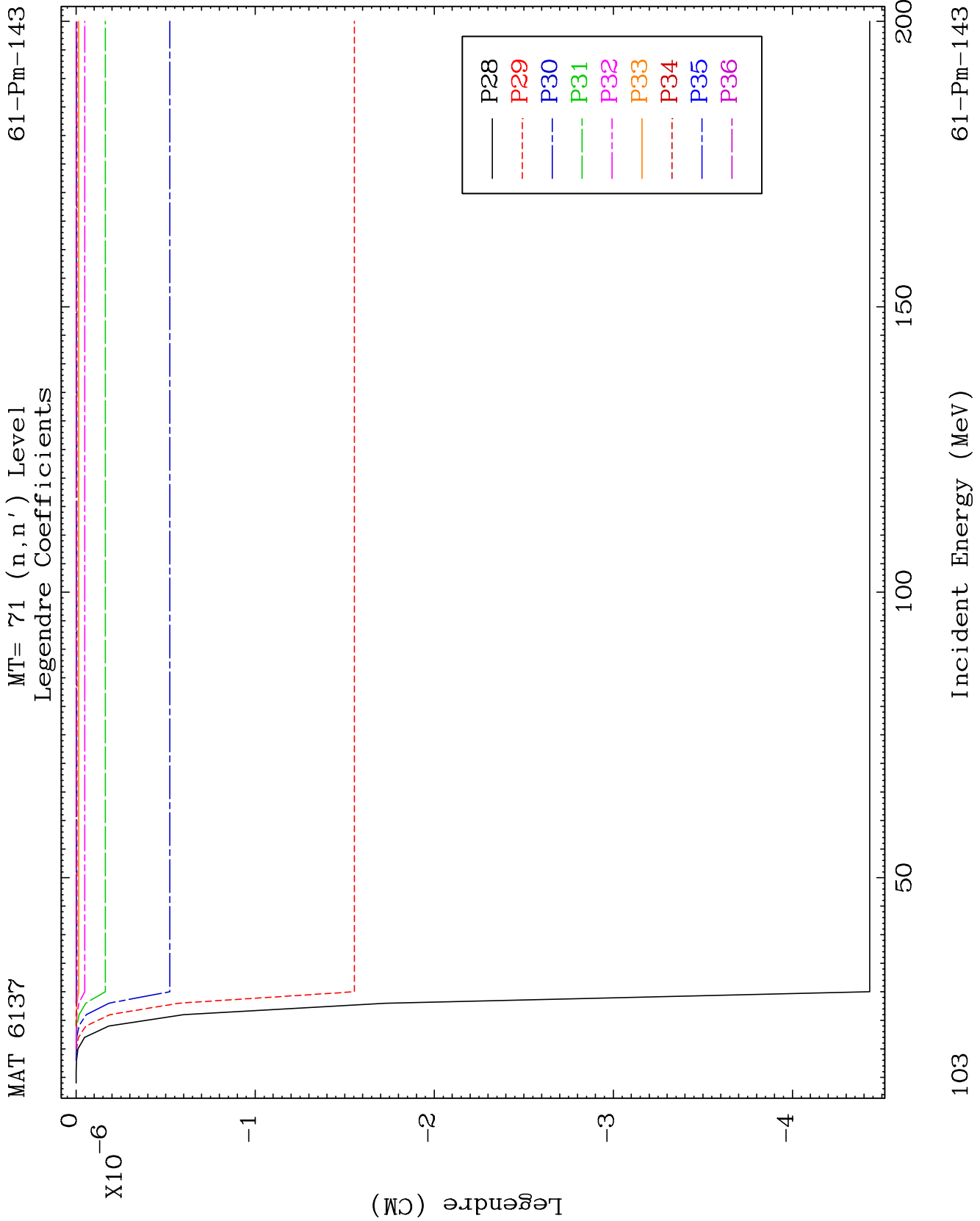
61-Pm-143



102

Incident Energy (MeV)

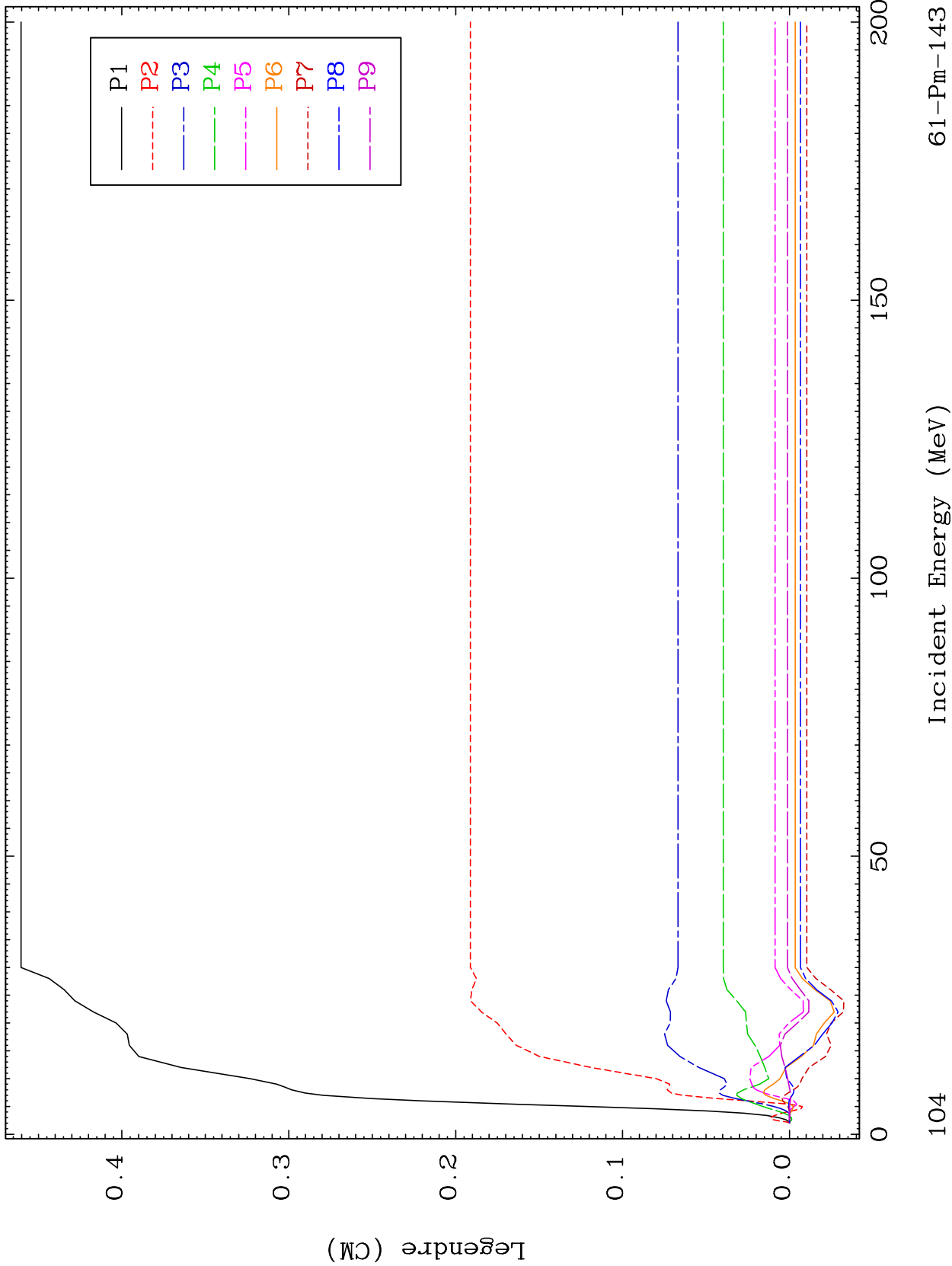
61-Pm-143



MAT 6137

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

61-Pm-143



104

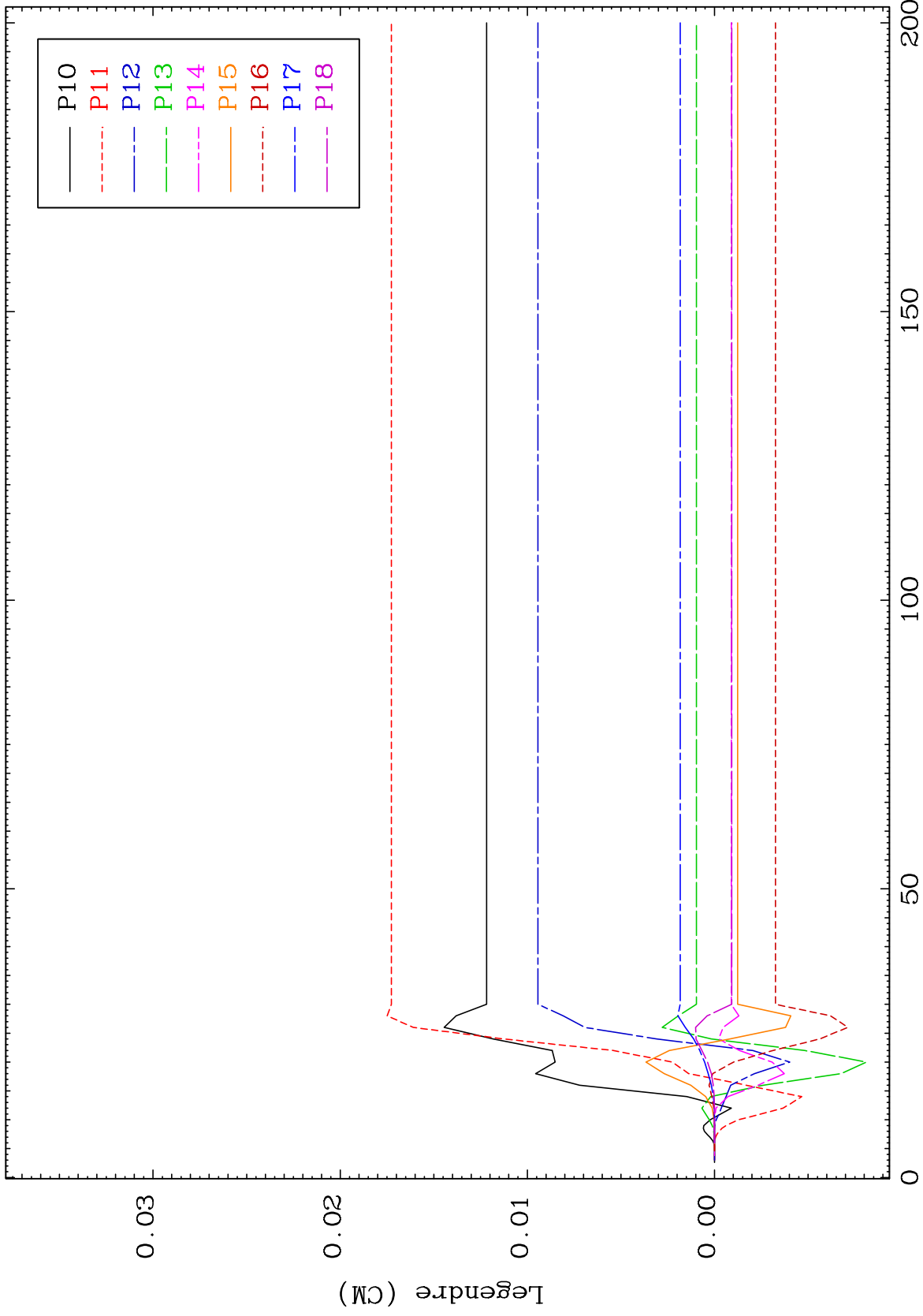
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



61-Pm-143

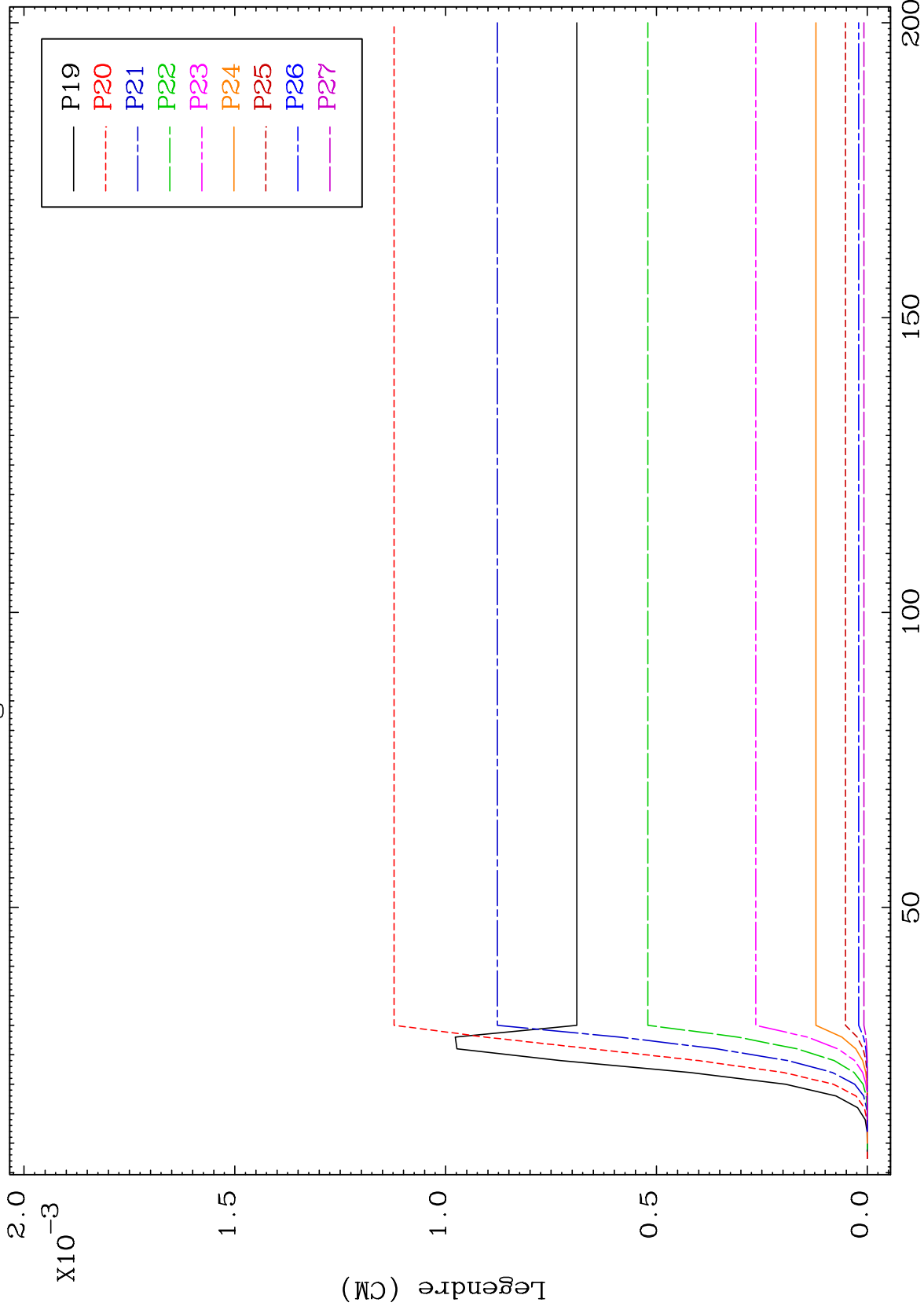
Incident Energy (MeV)

105

MAT 6137

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

61-Pm-143



106

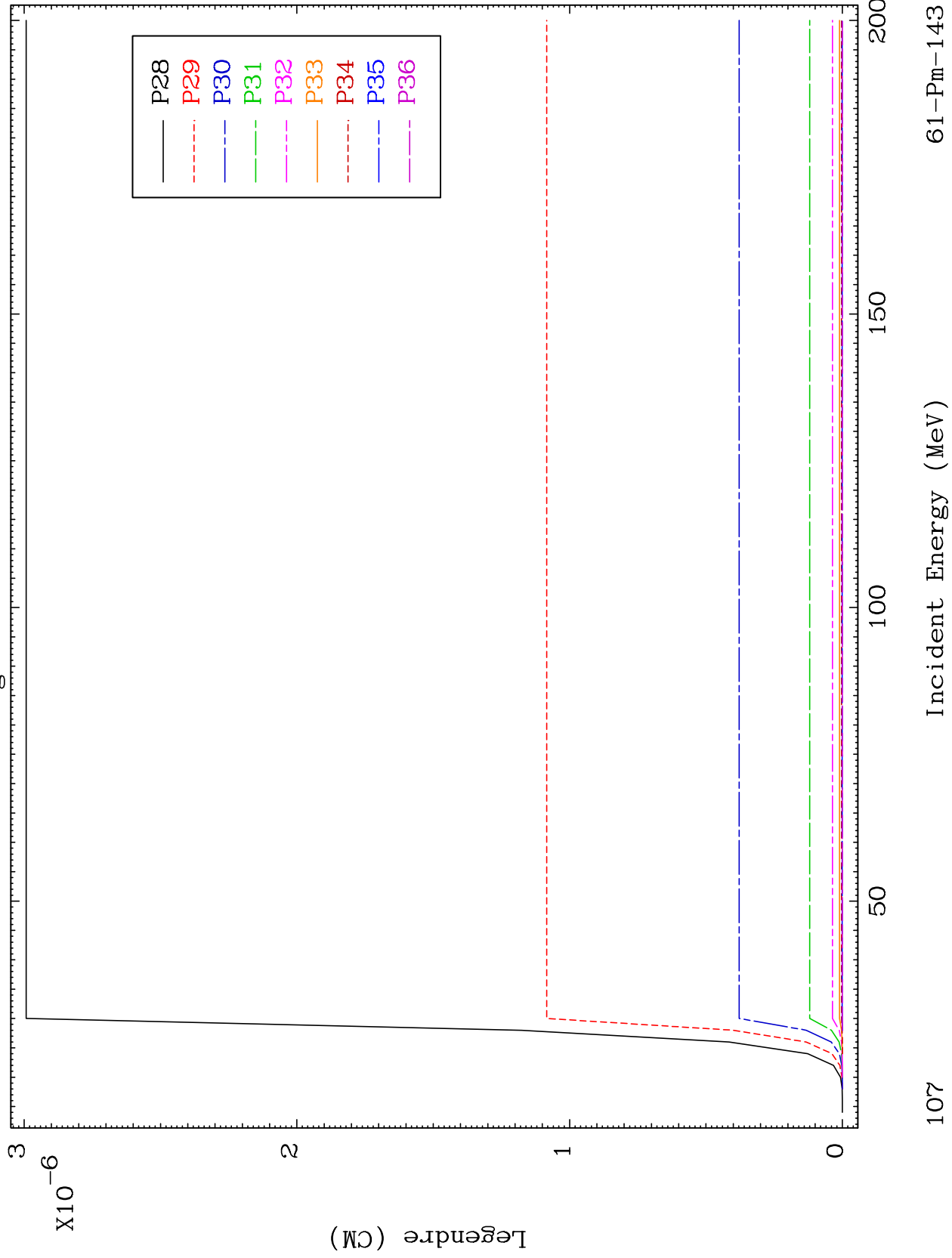
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



107

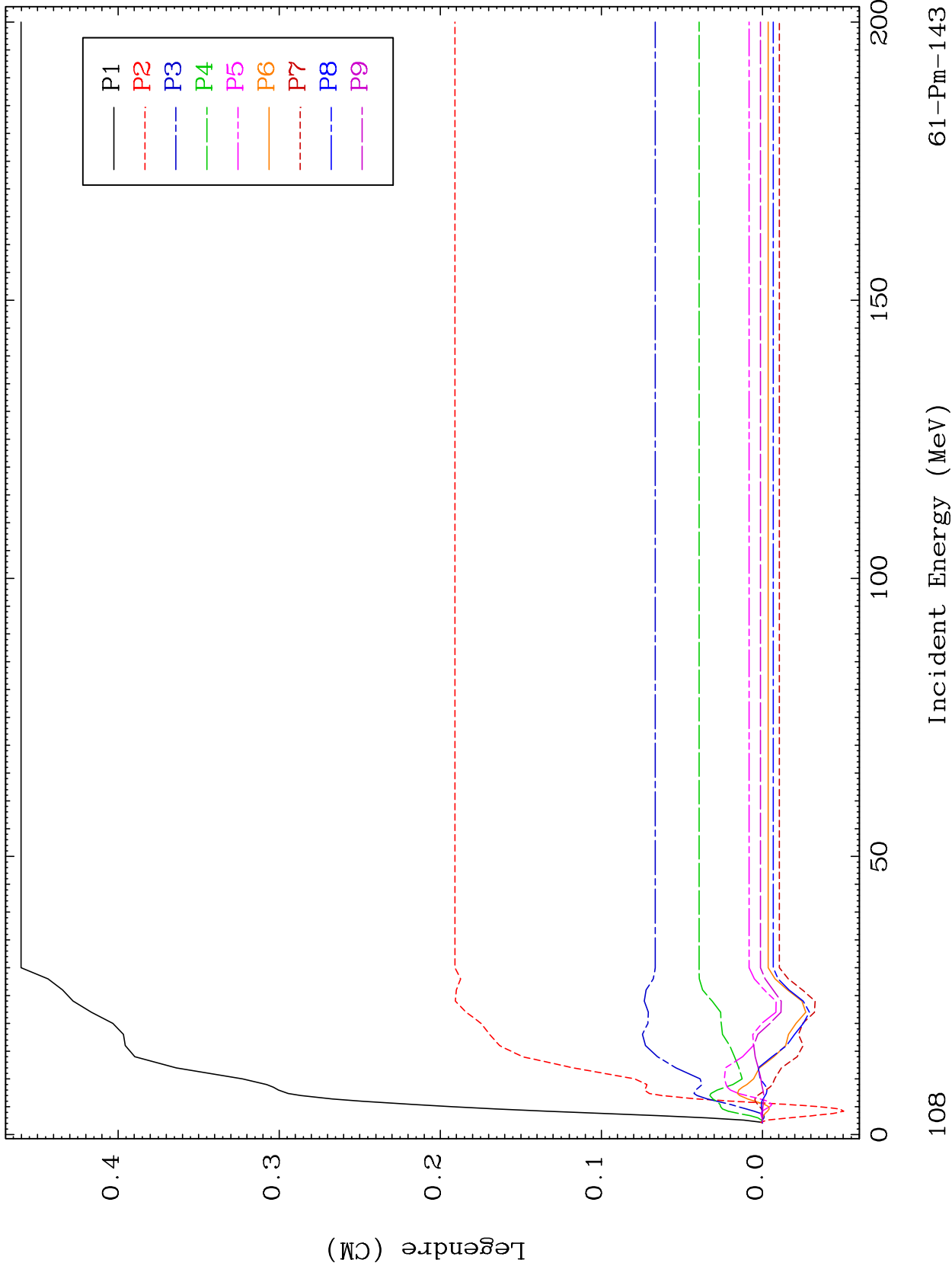
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



61-Pm-143

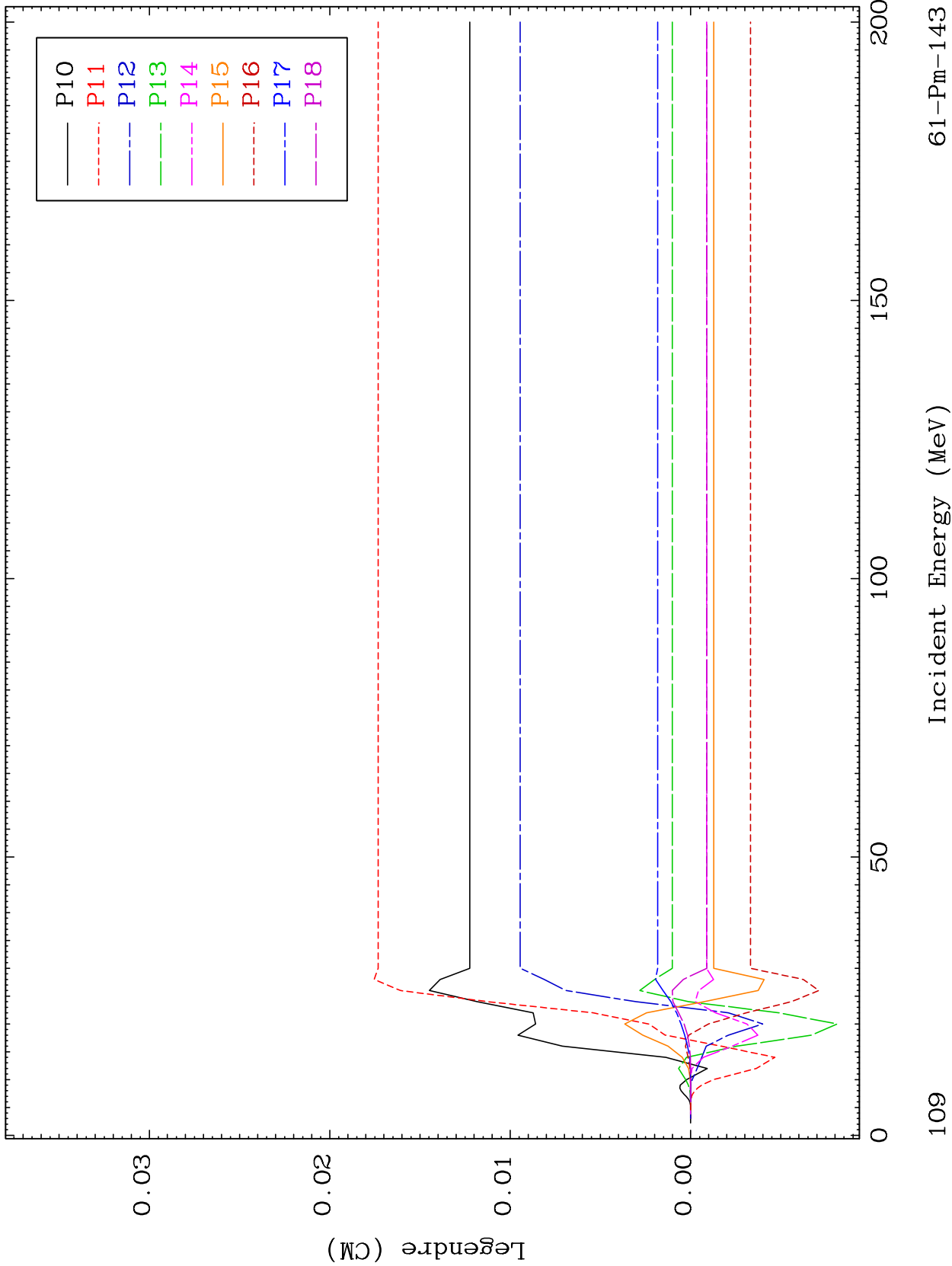
Incident Energy (MeV)

108

MAT 6137

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

61-Pm-143



61-Pm-143

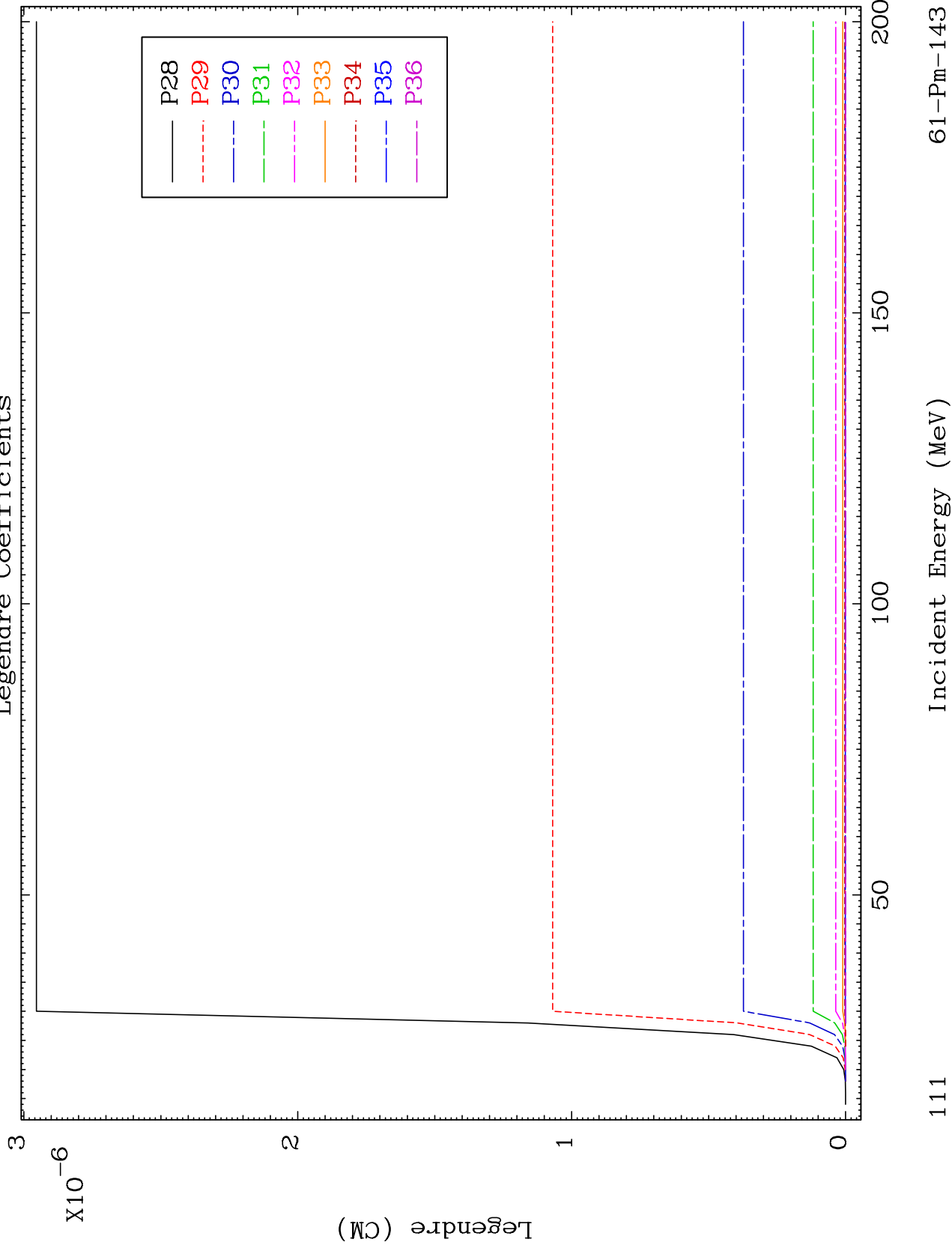
Incident Energy (MeV)

109

MAT 6137

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

61-Pm-143



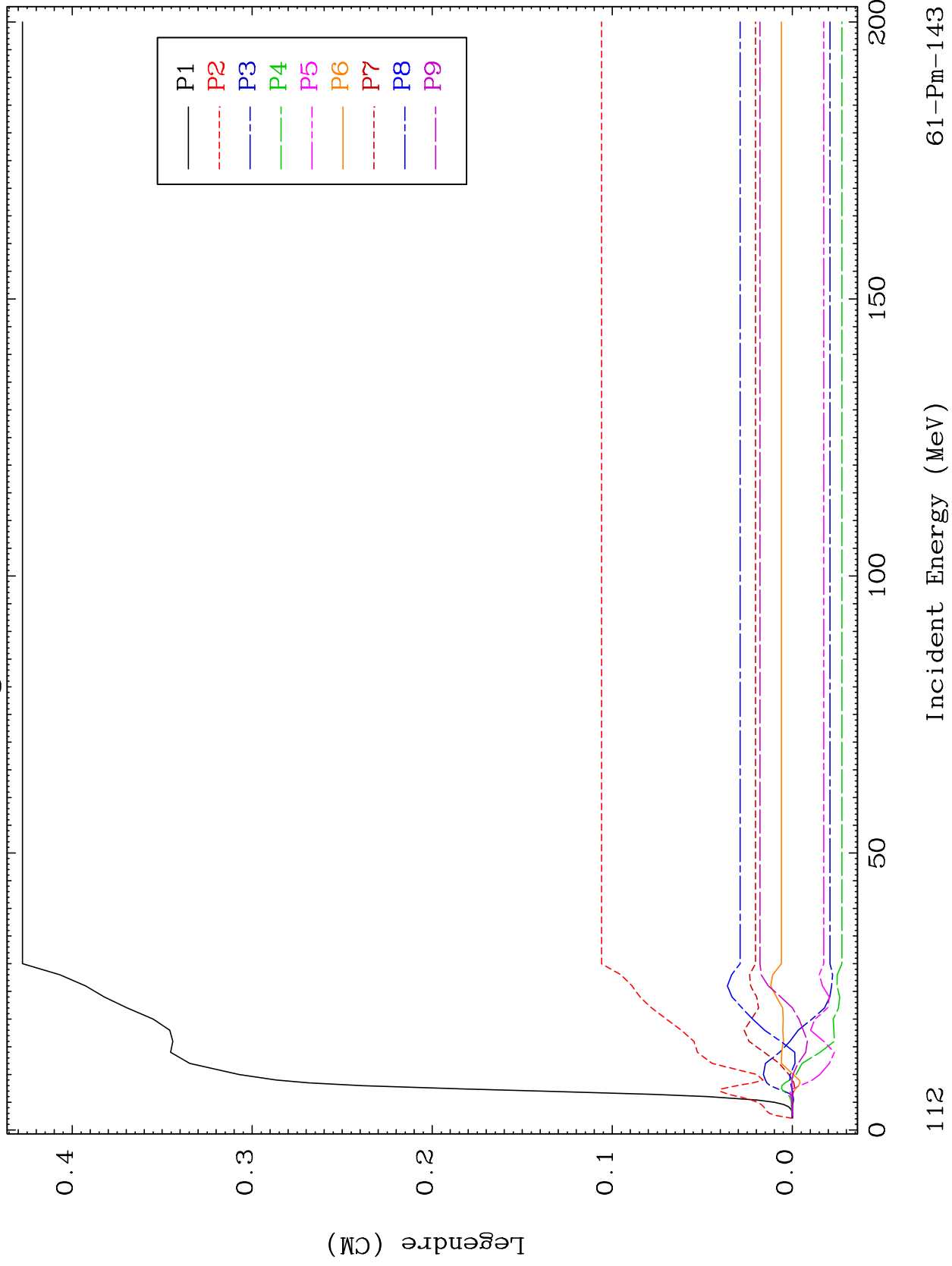
111

61-Pm-143

MAT 6137

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

61-Pm-143



61-Pm-143

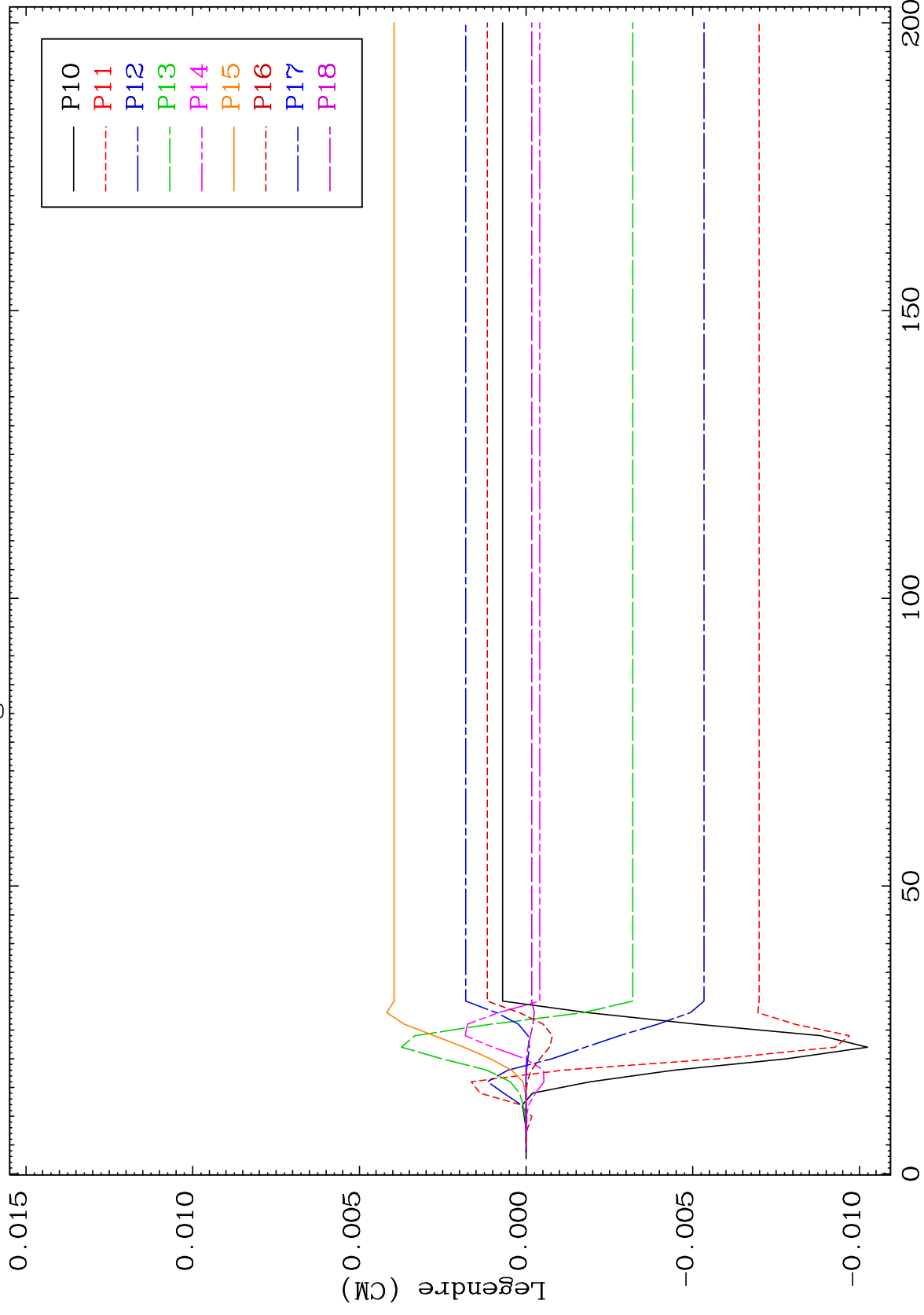
Incident Energy (MeV)

112

MAT 6137

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

61-Pm-143



113

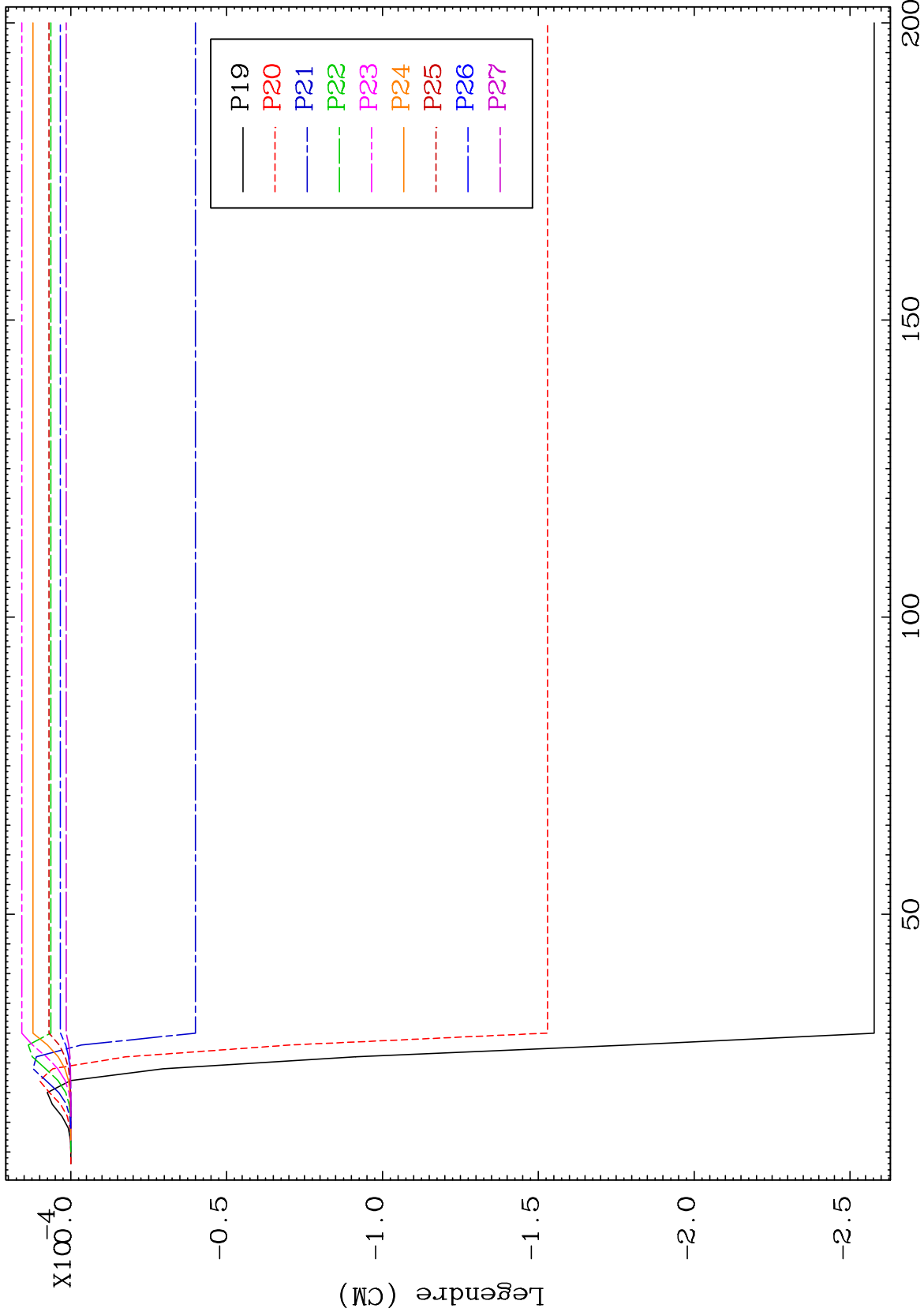
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



114

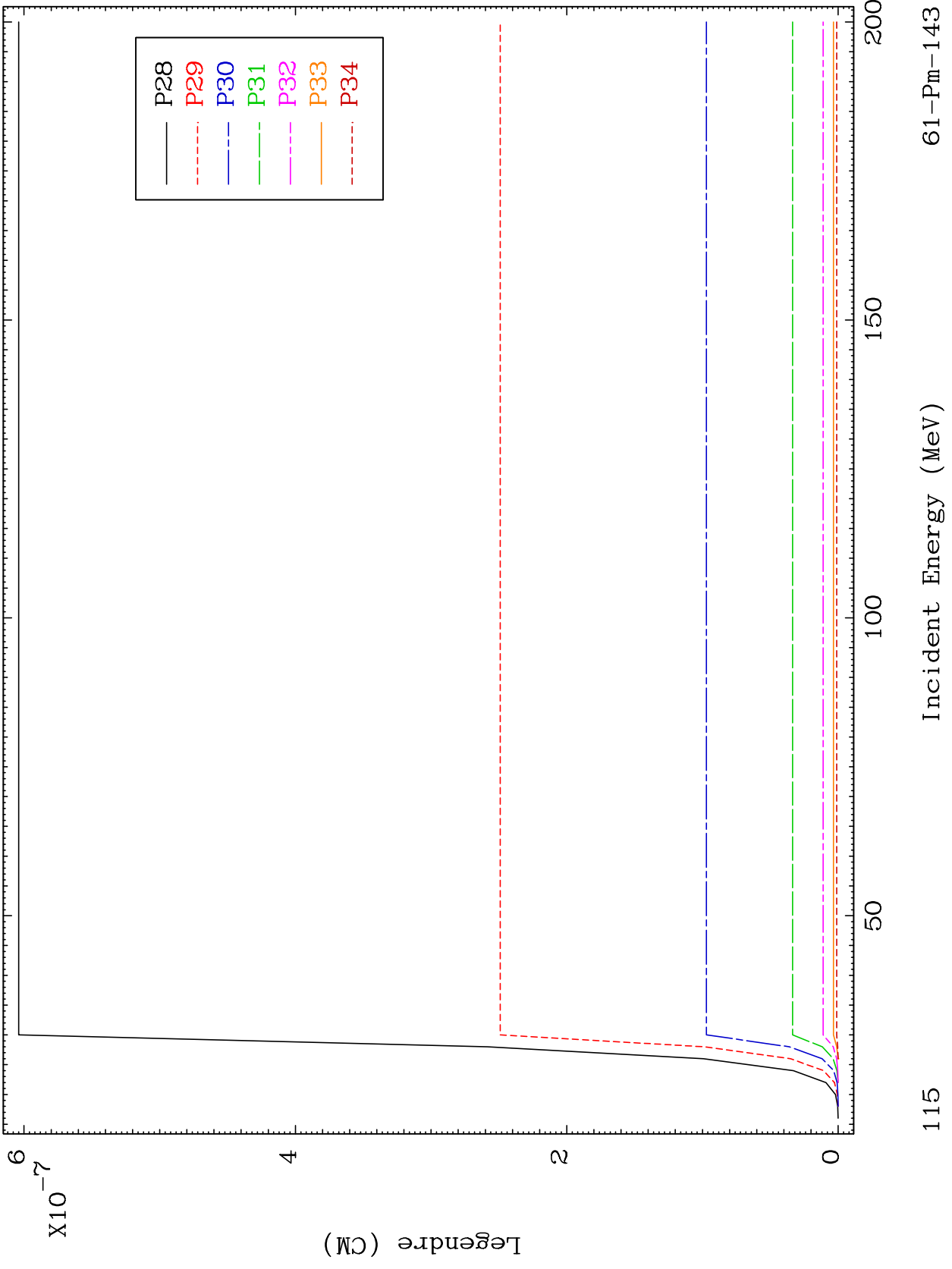
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

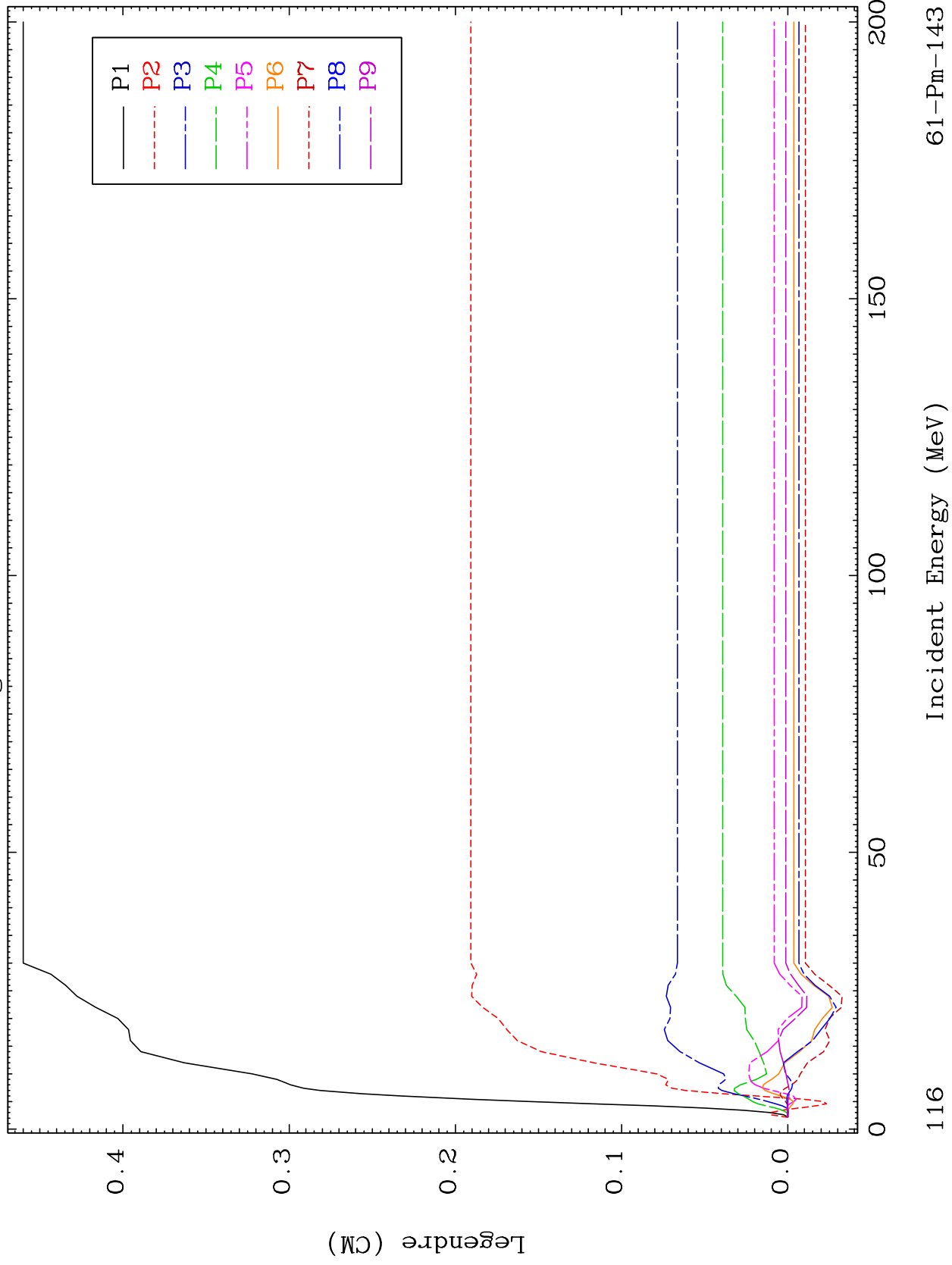
61-Pm-143



MAT 6137

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

61-Pm-143



61-Pm-143

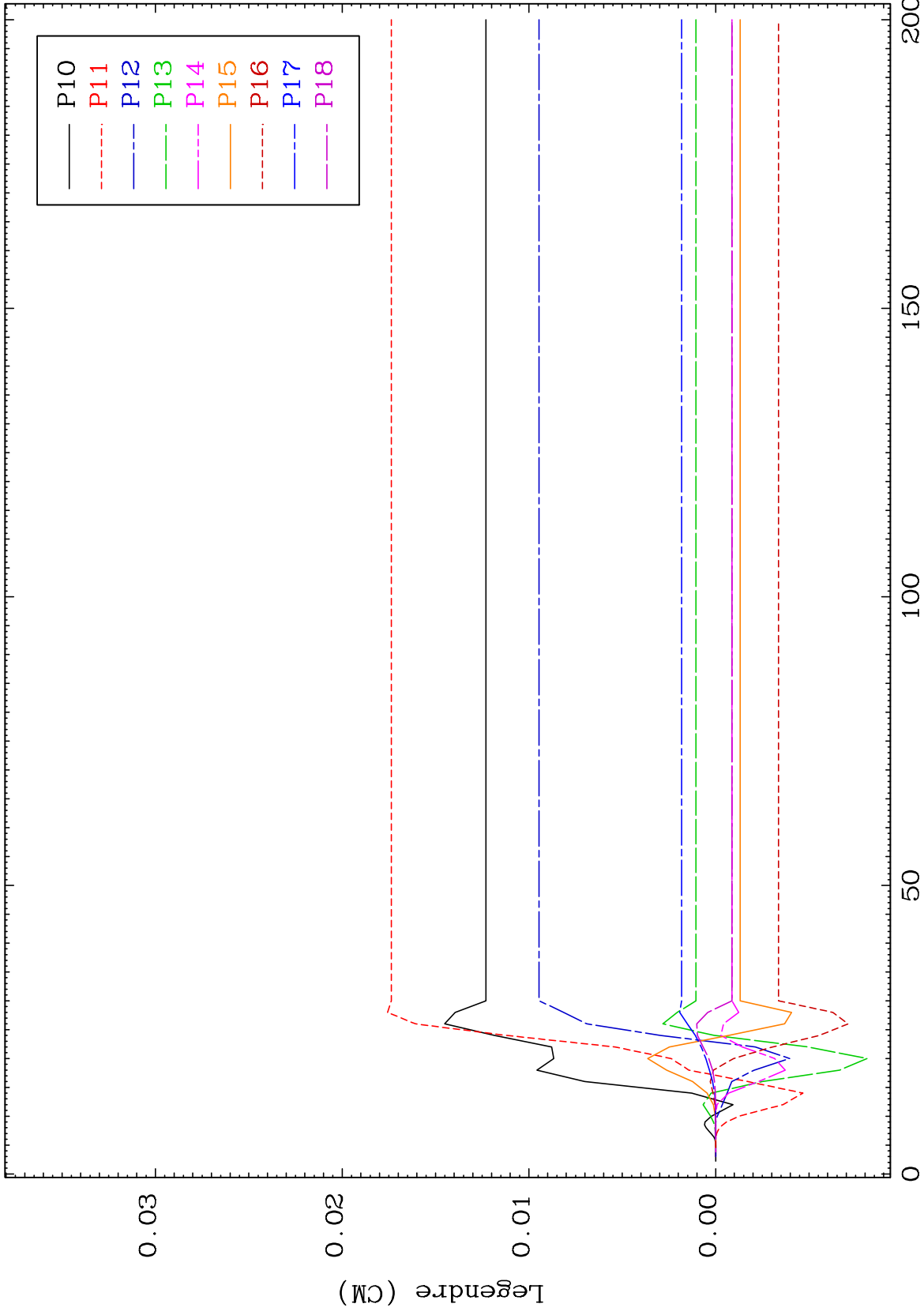
Incident Energy (MeV)

116

MAT 6137

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

61-Pm-143



117

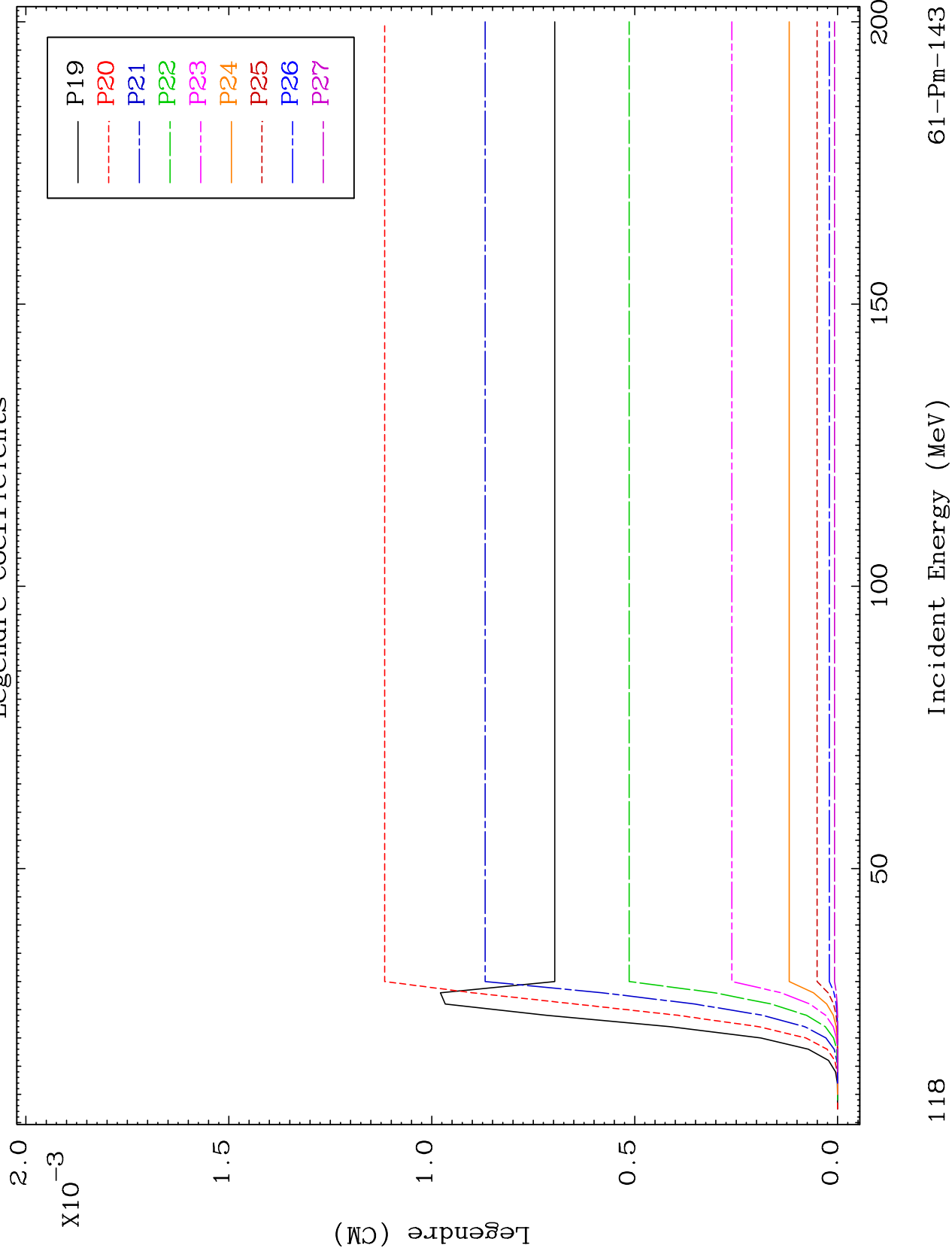
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



118

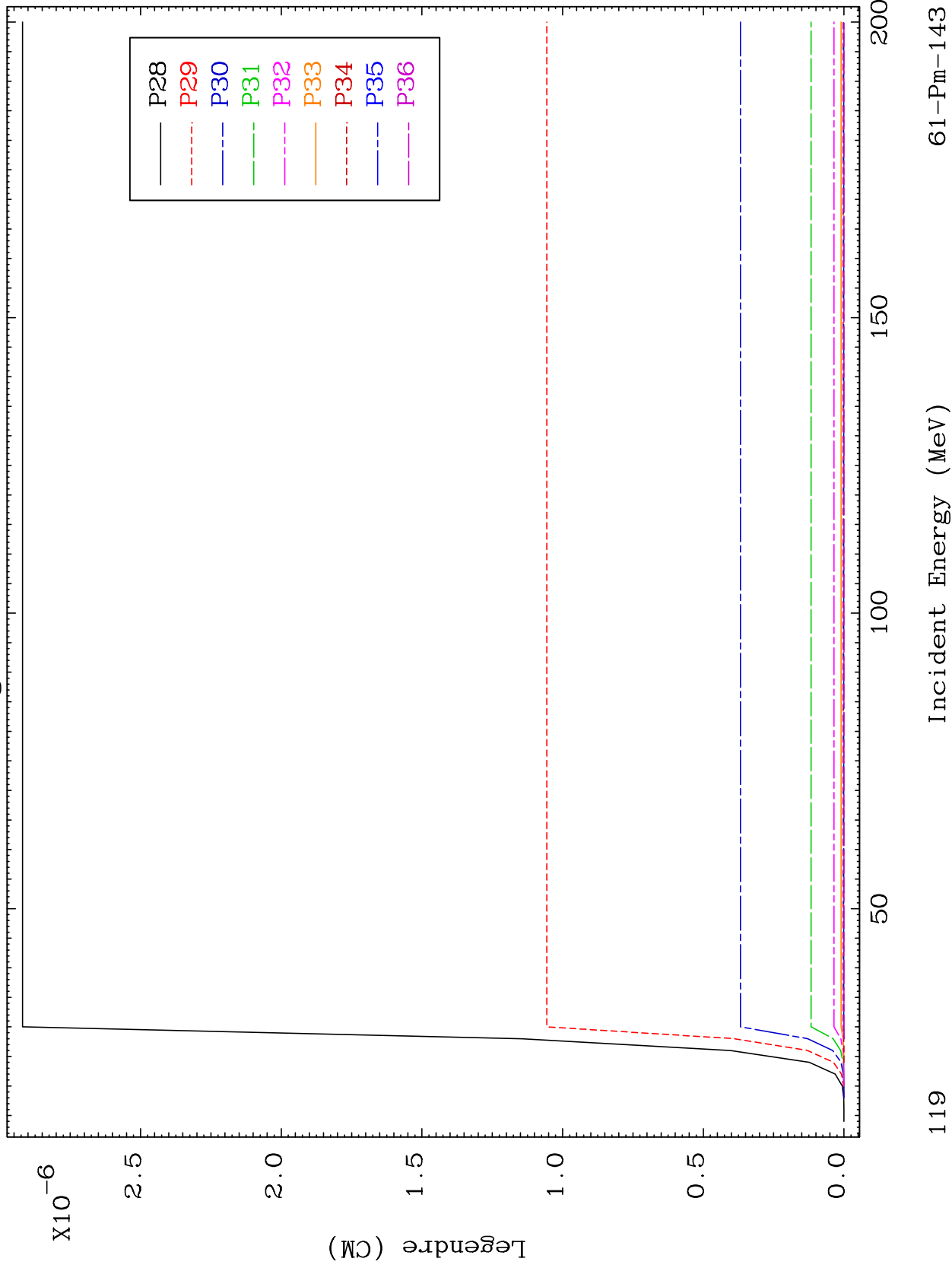
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143

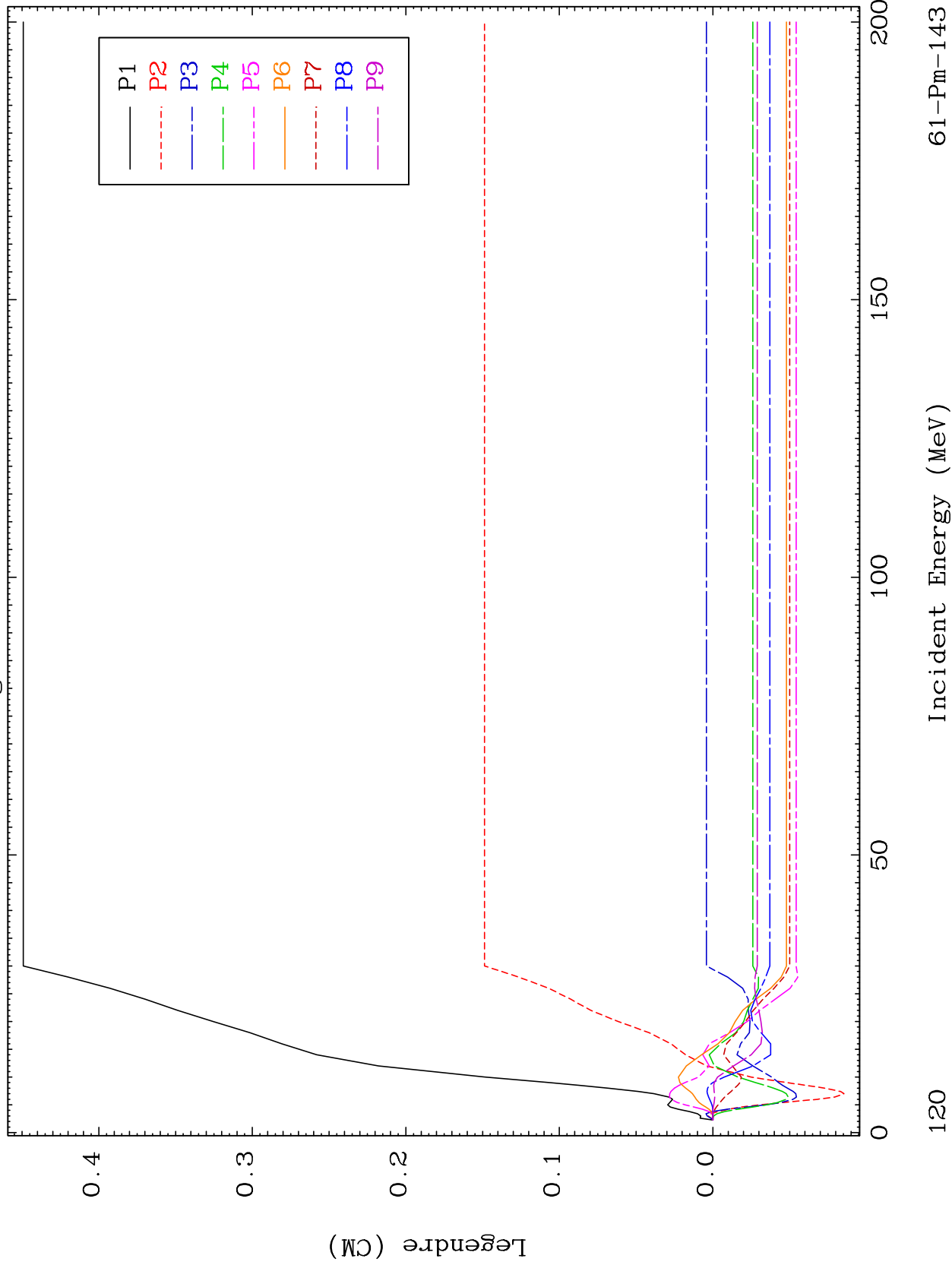


119

MAT 6137

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

61-Pm-143



61-Pm-143

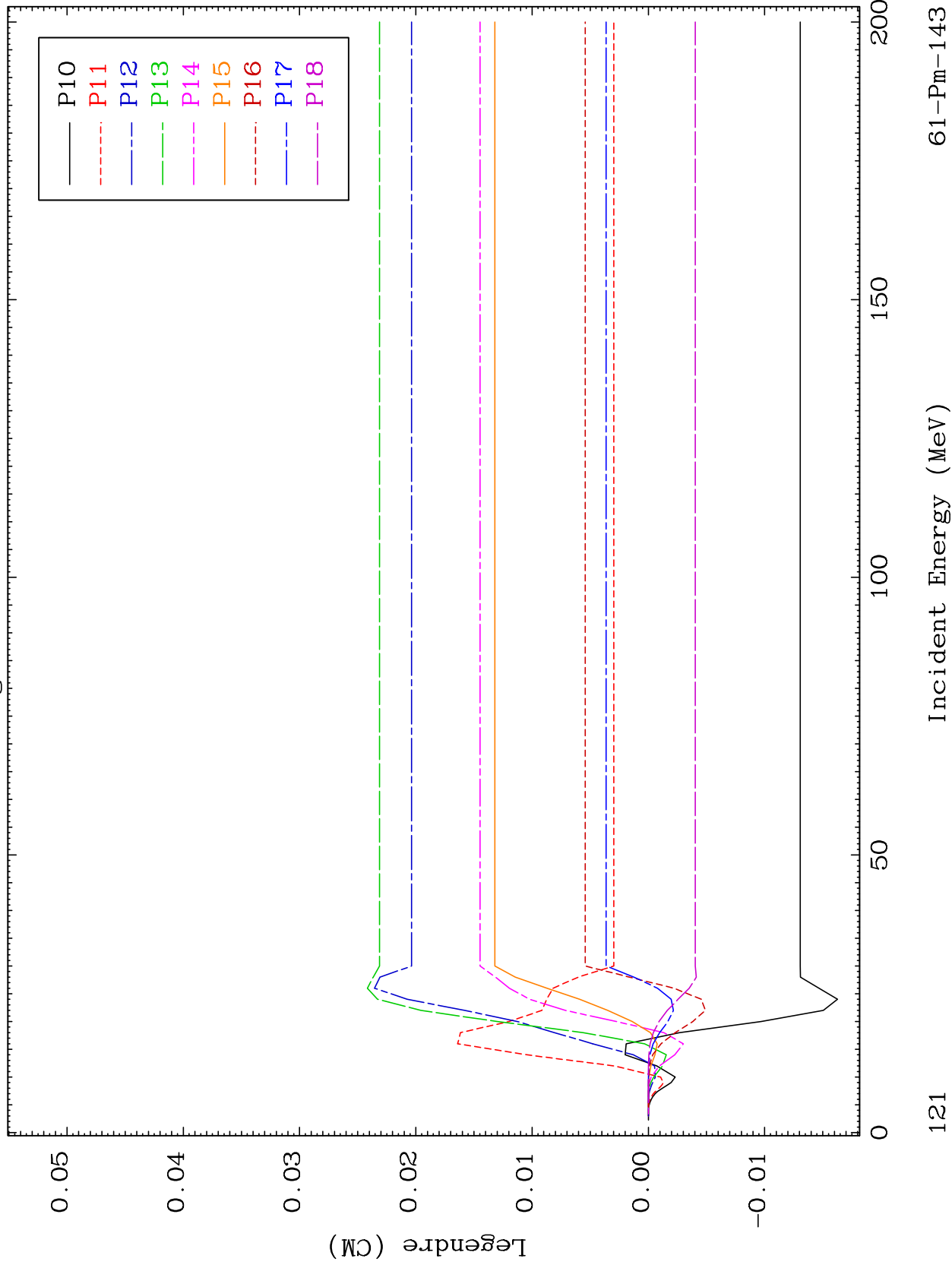
Incident Energy (MeV)

Legendre (CM)

MAT 6137

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

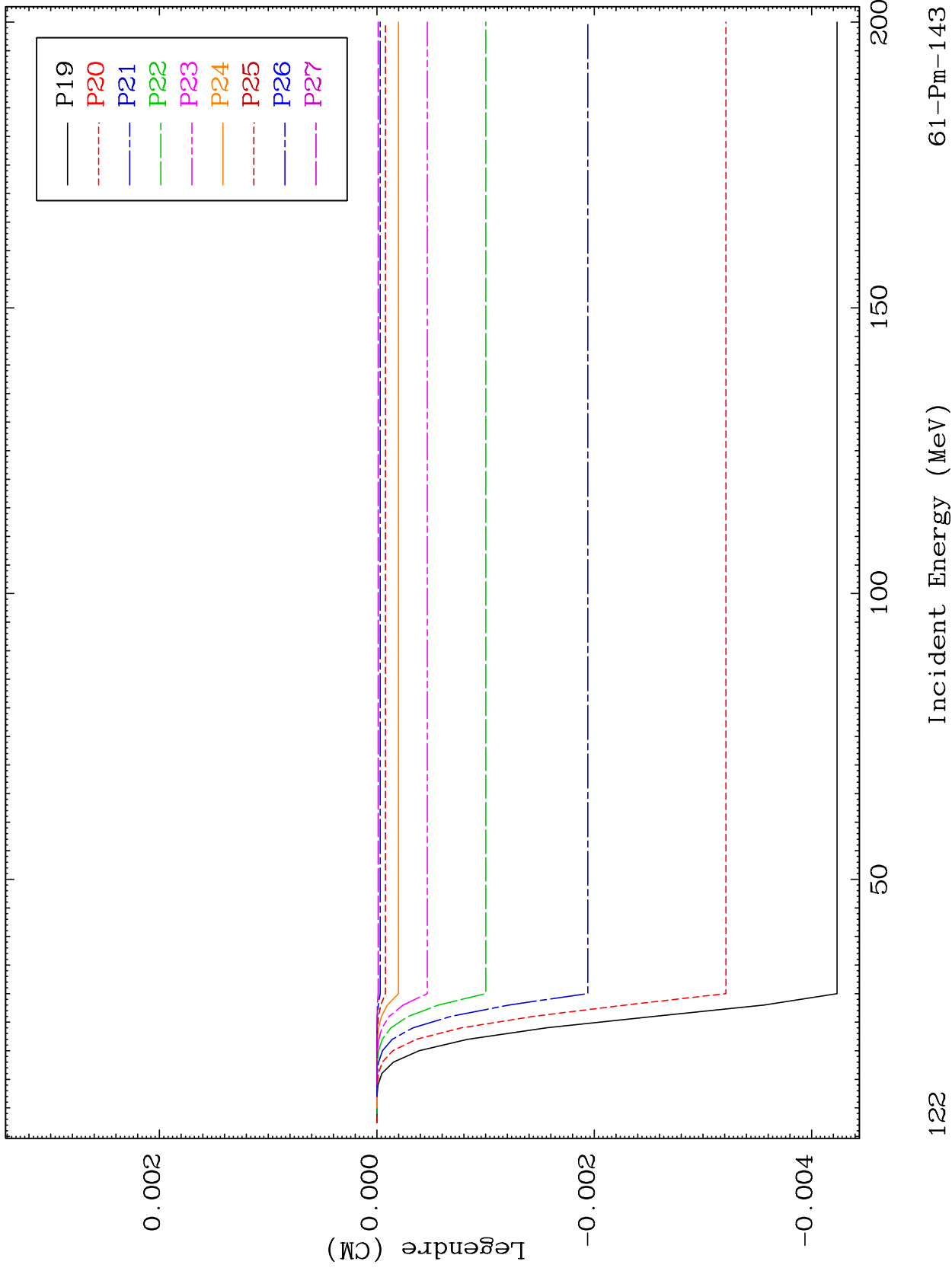
61-Pm-143



MAT 6137

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

61-Pm-143



122

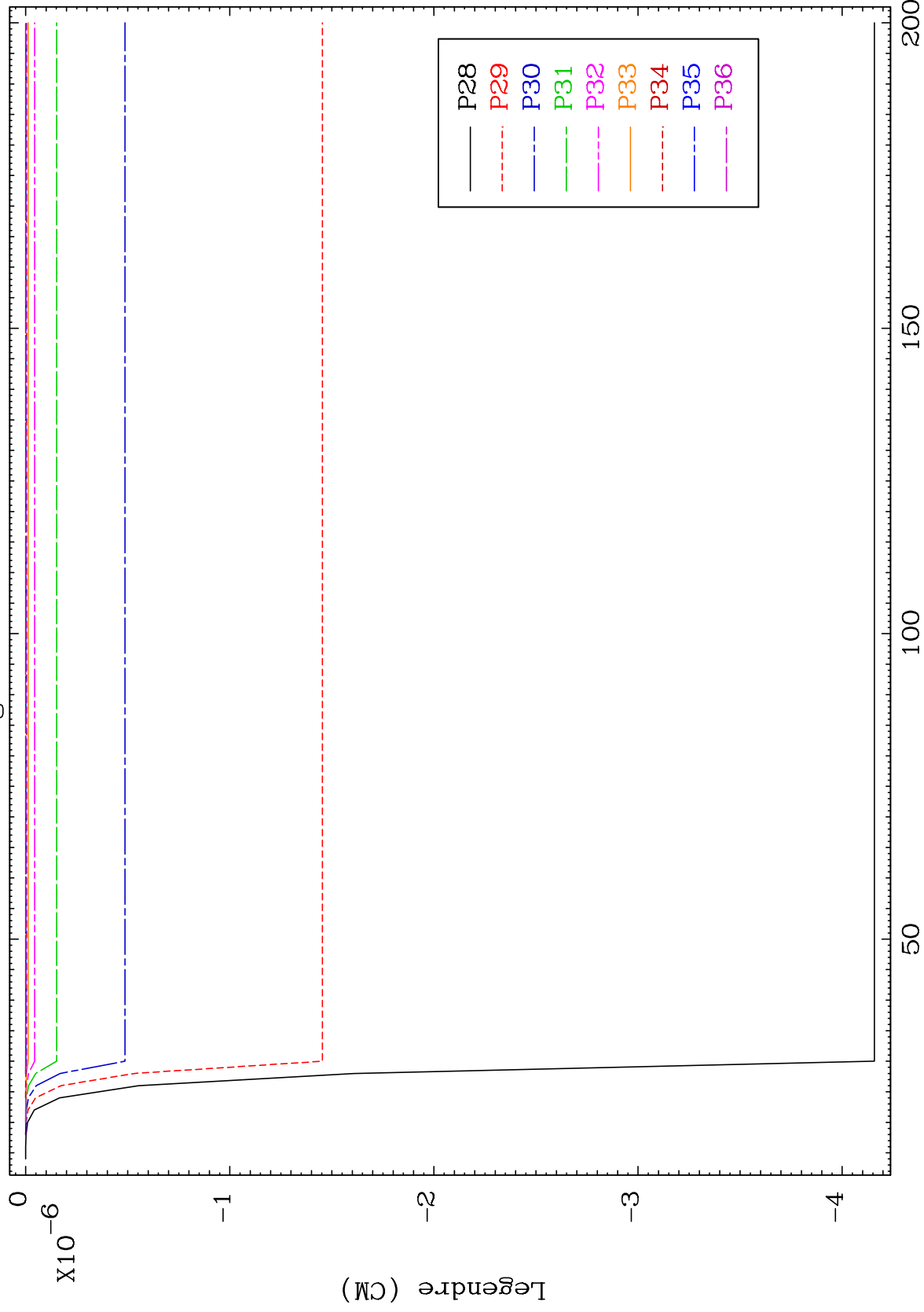
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



123

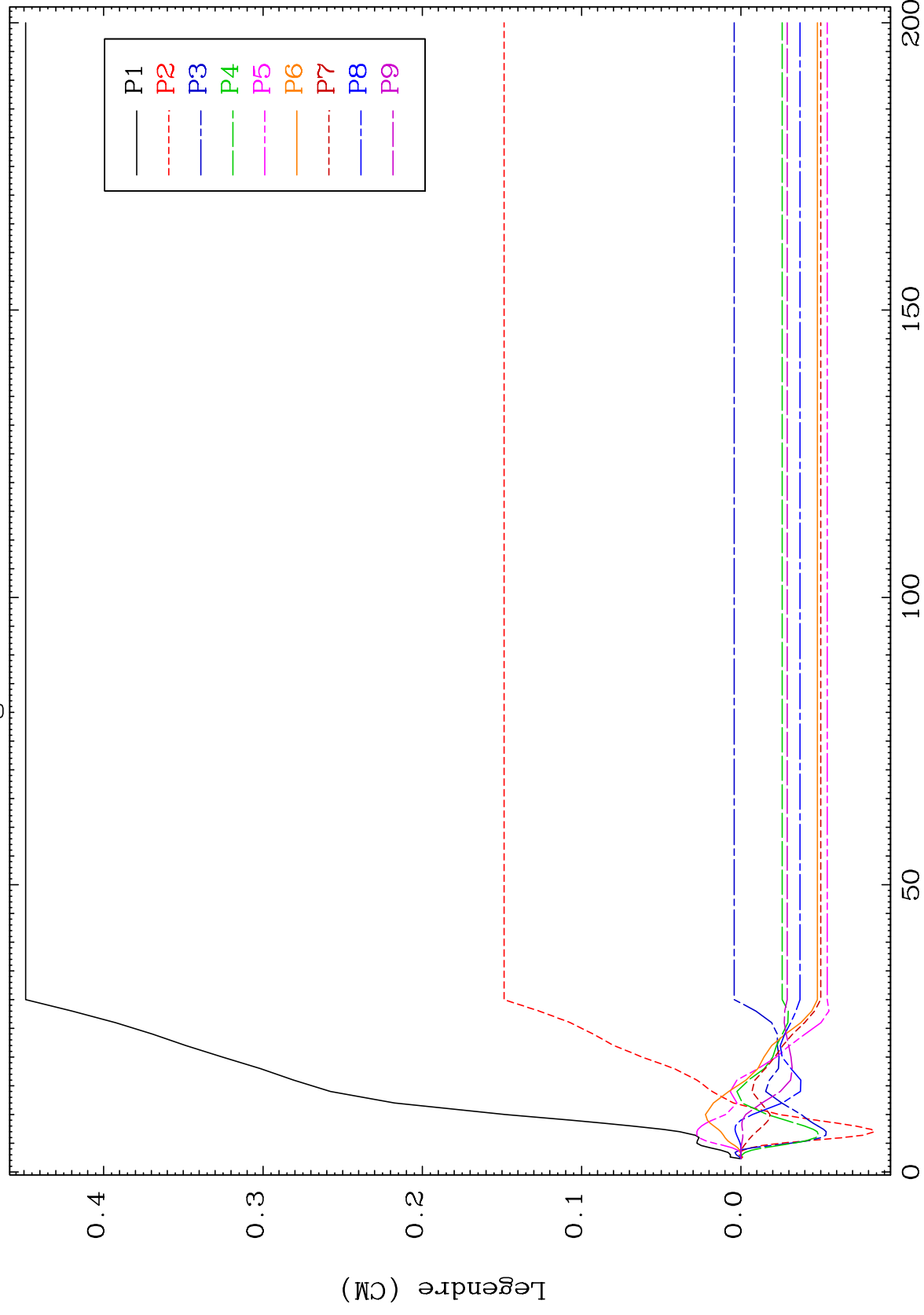
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



61-Pm-143

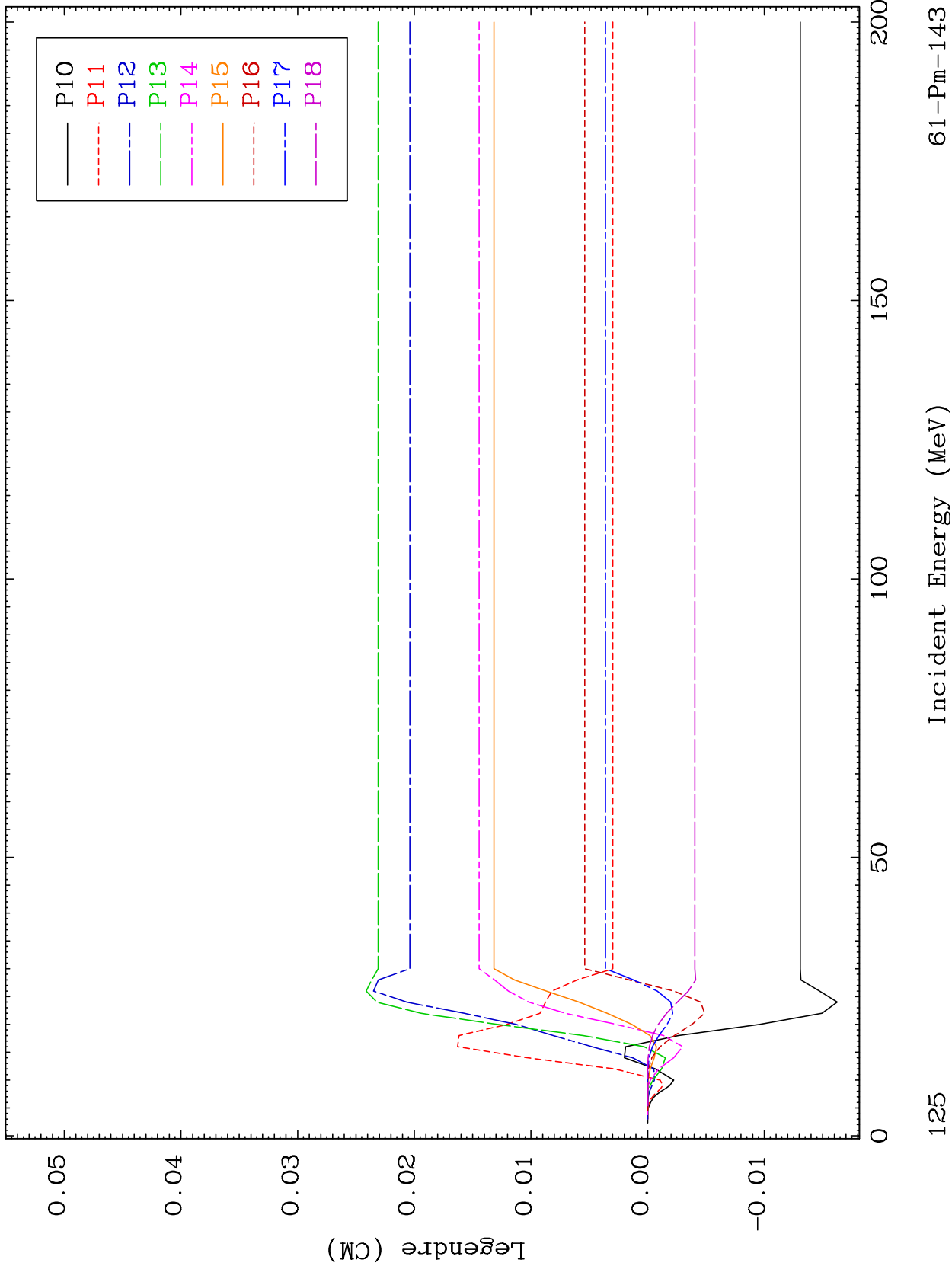
Incident Energy (MeV)

124

MAT 6137

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

61-Pm-143



61-Pm-143

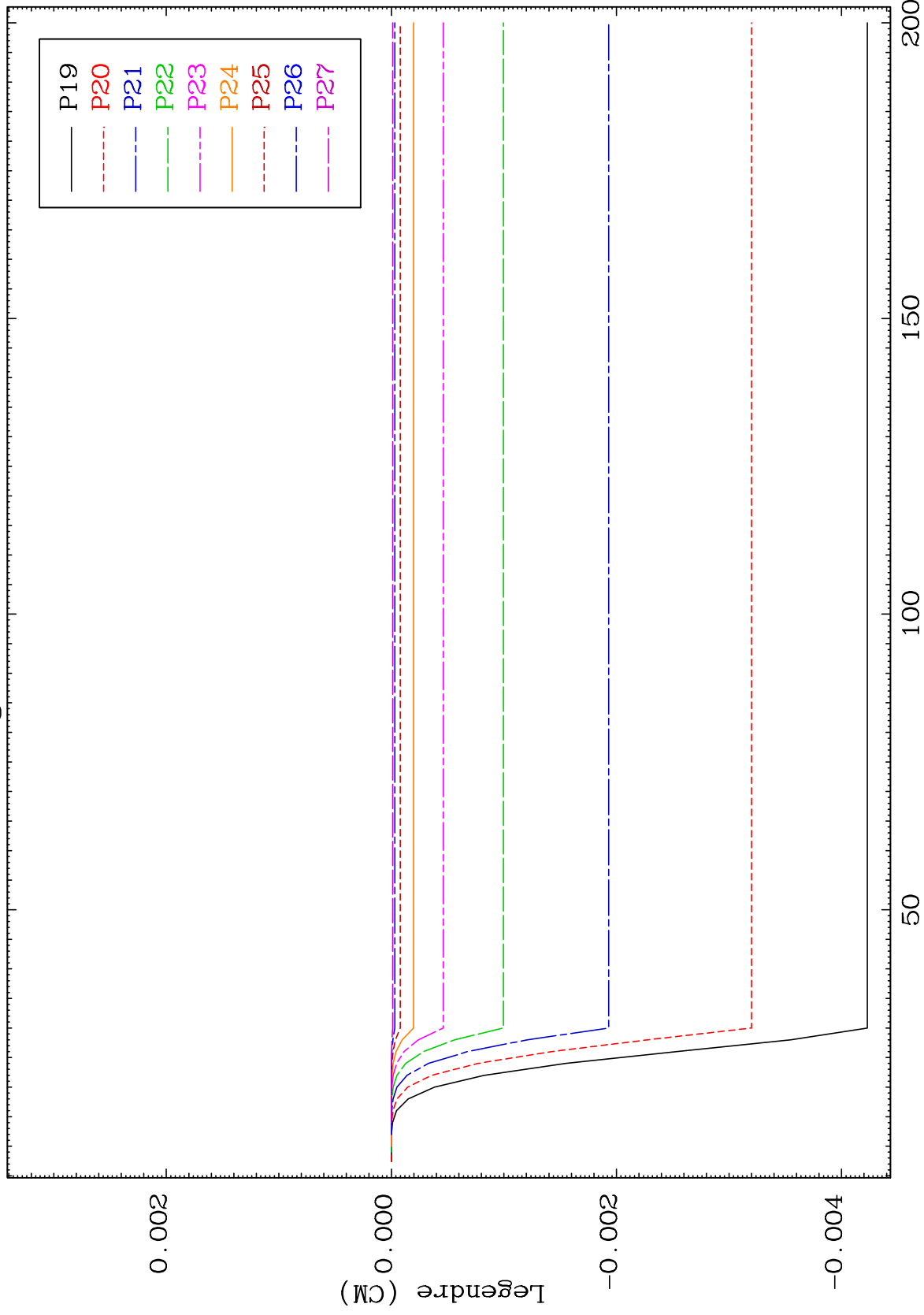
Incident Energy (MeV)

125

MAT 6137

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

61-Pm-143



126

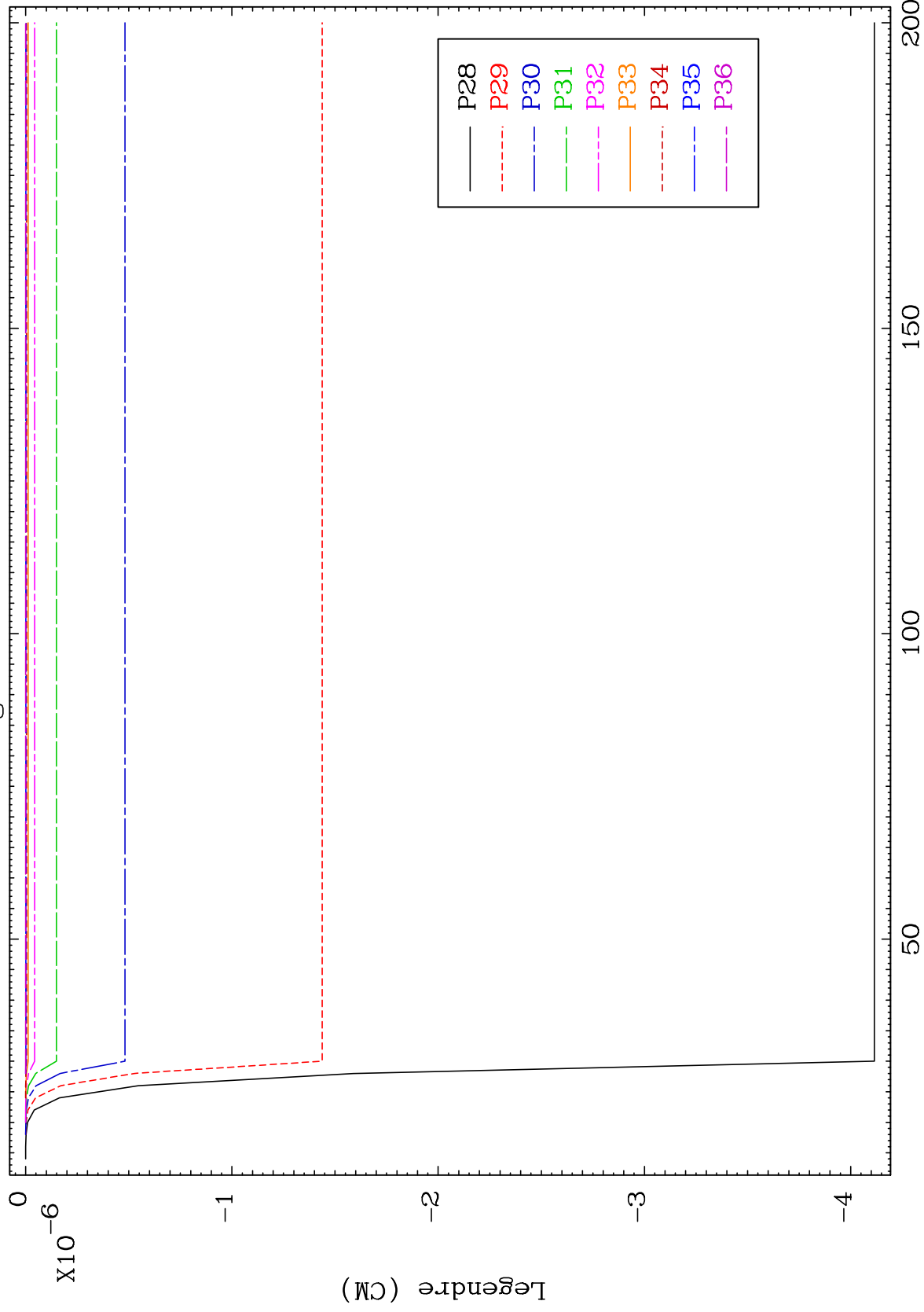
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



127

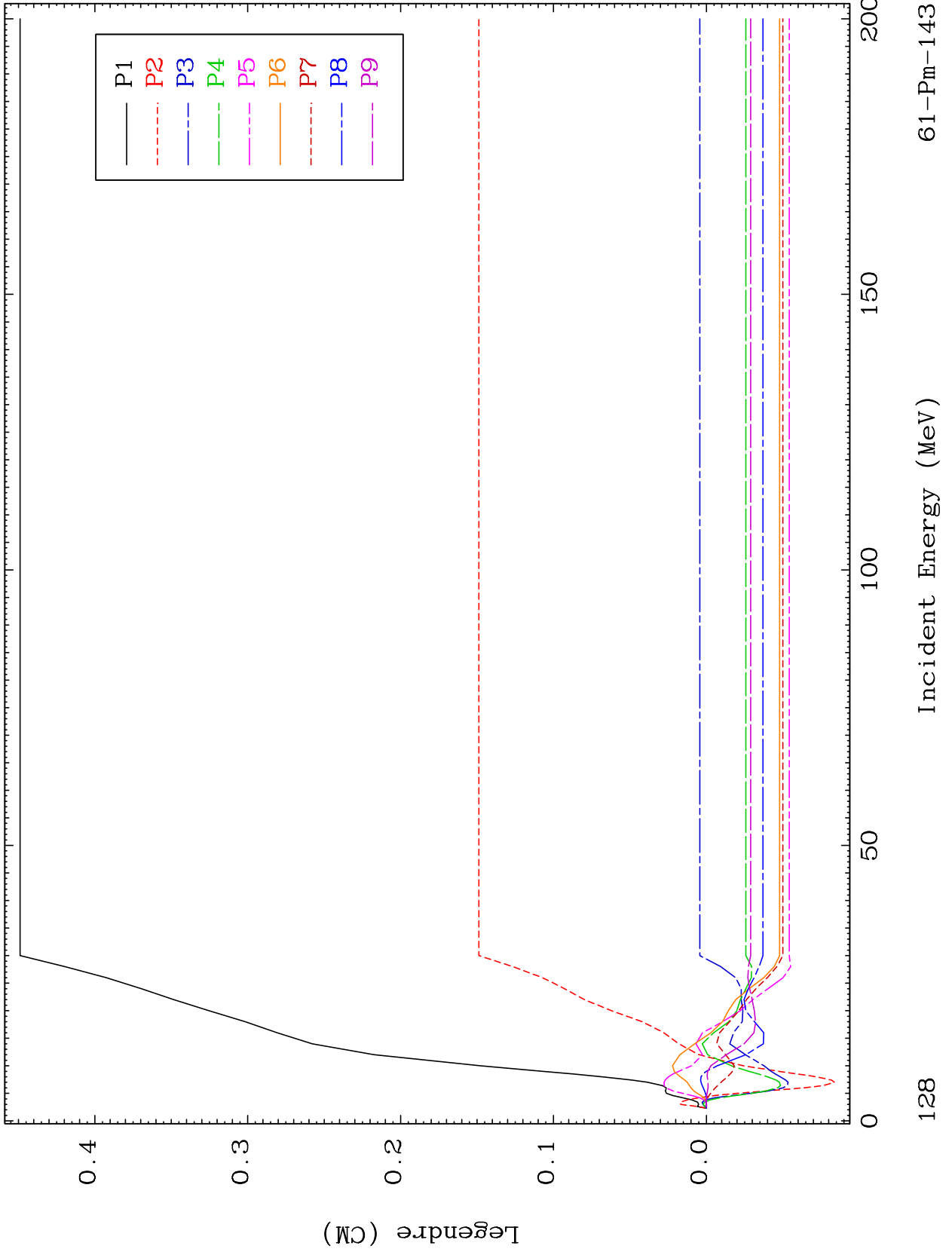
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



128

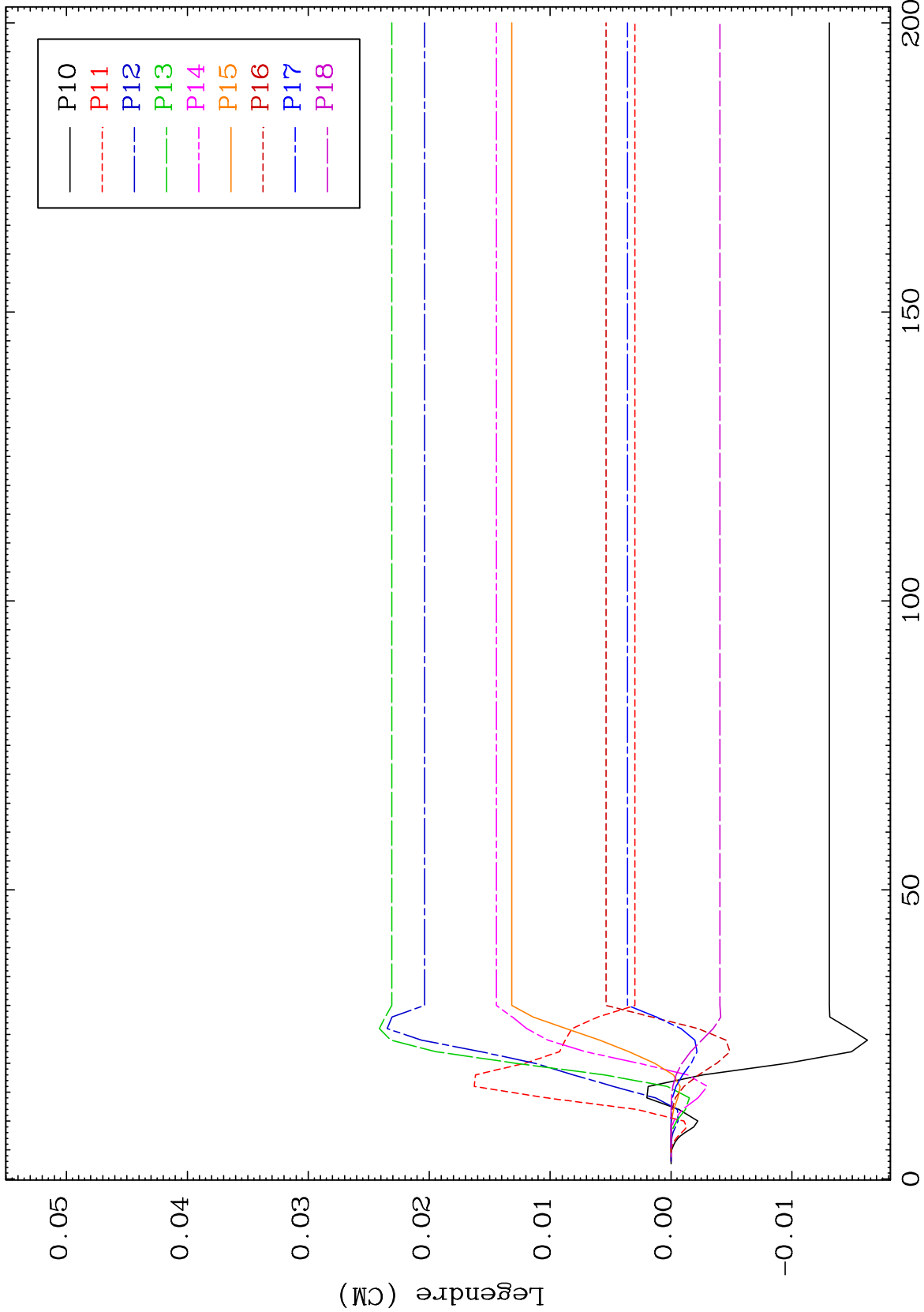
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



129

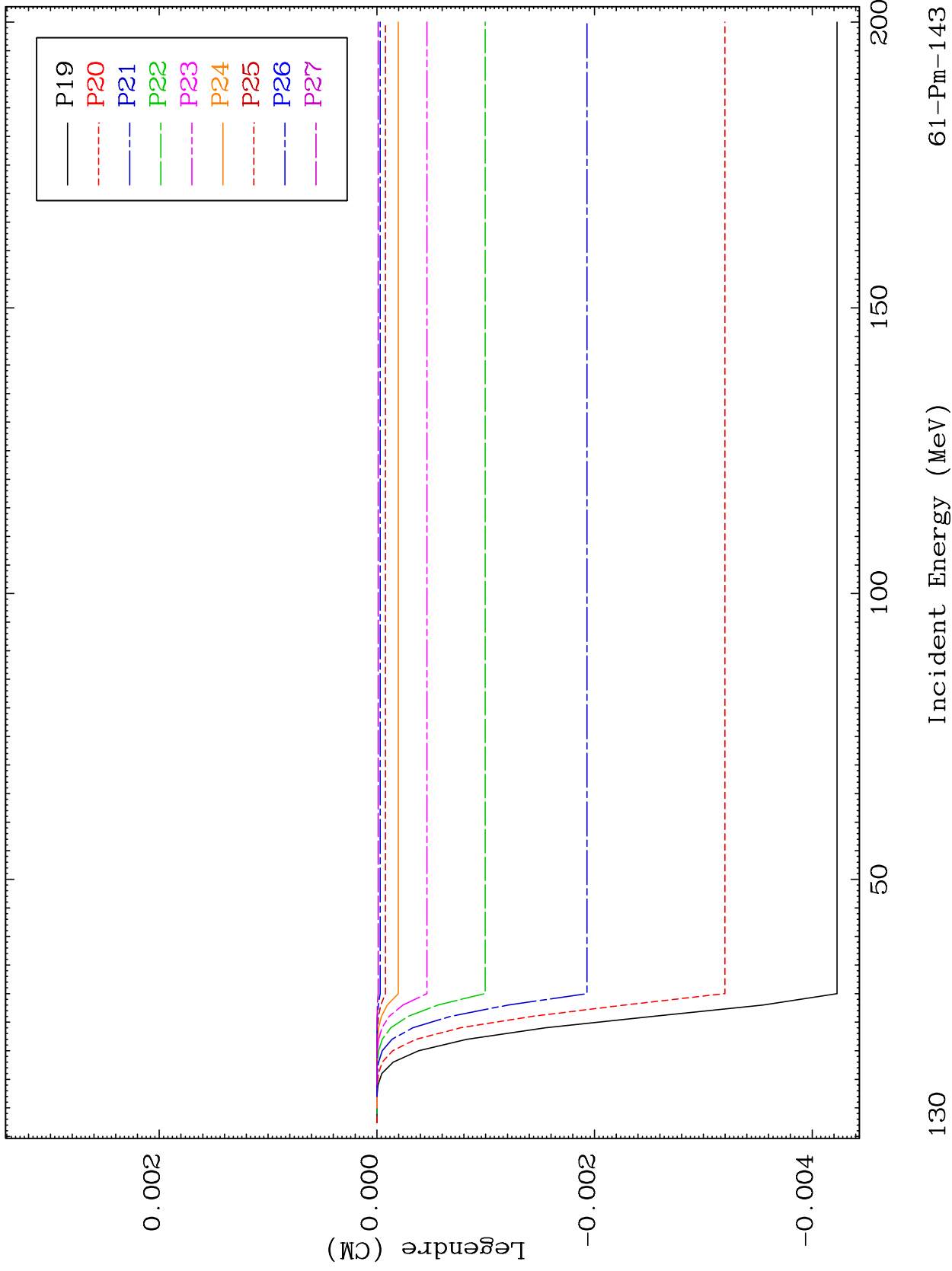
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



130

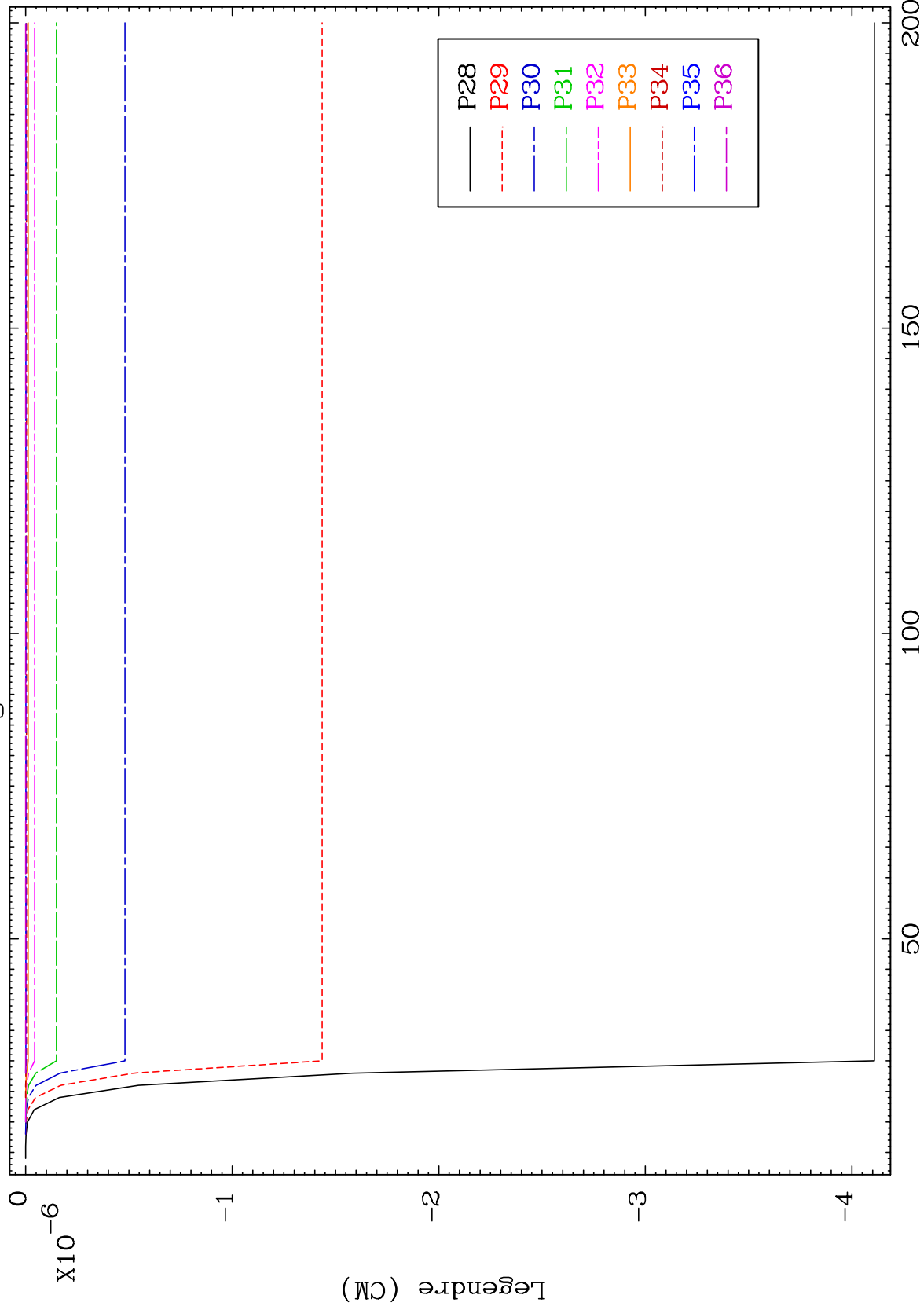
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



131

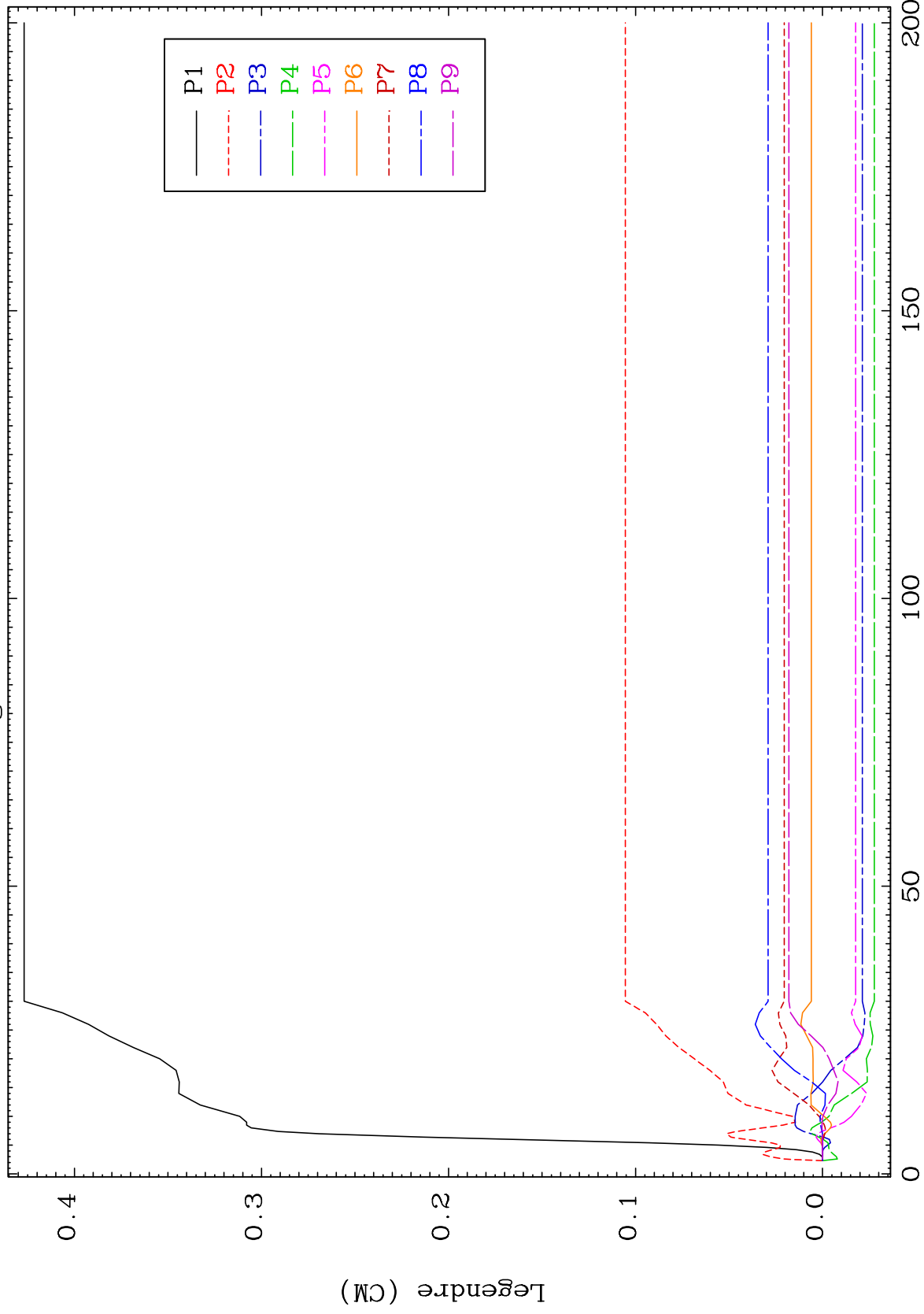
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



132

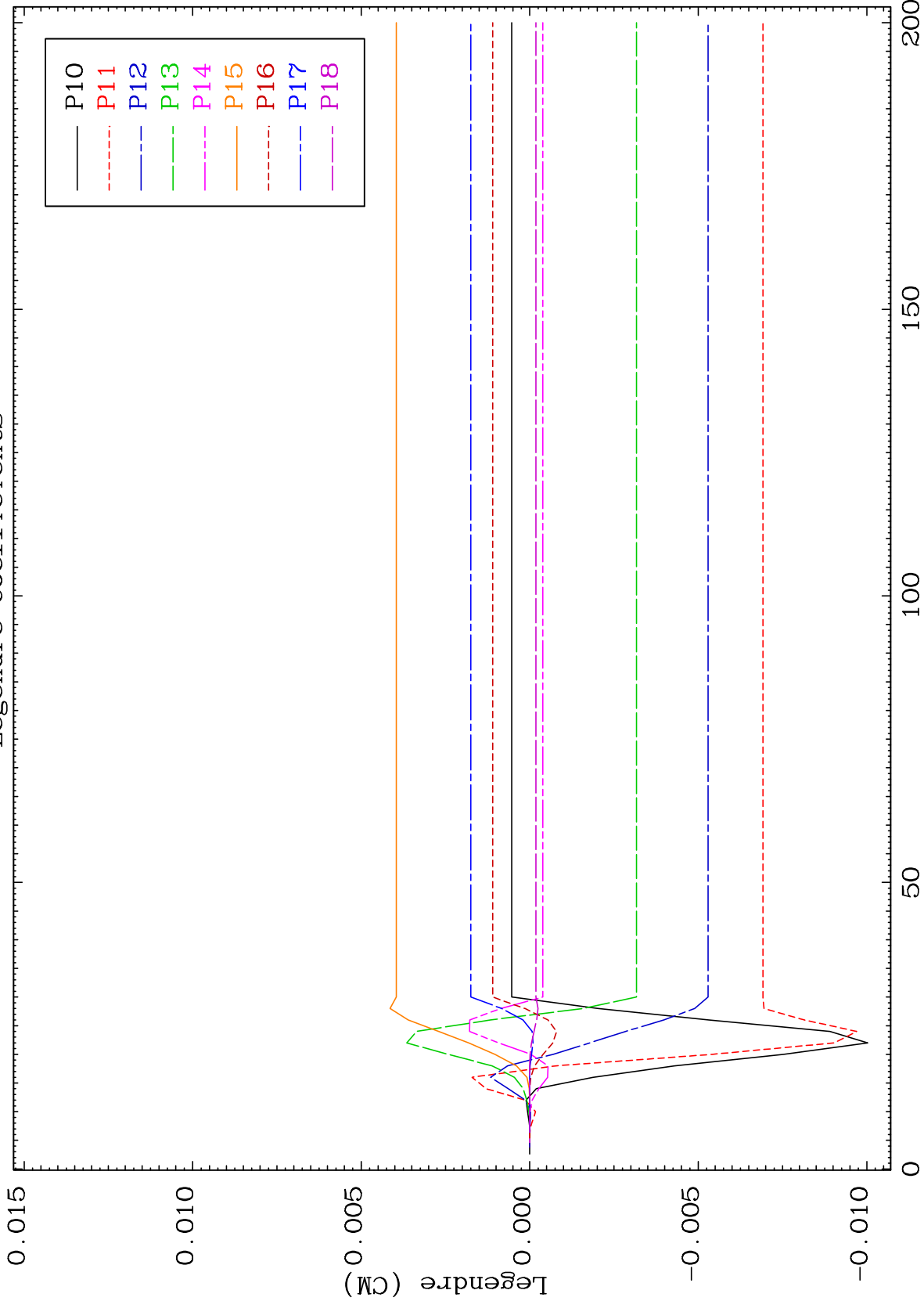
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



133

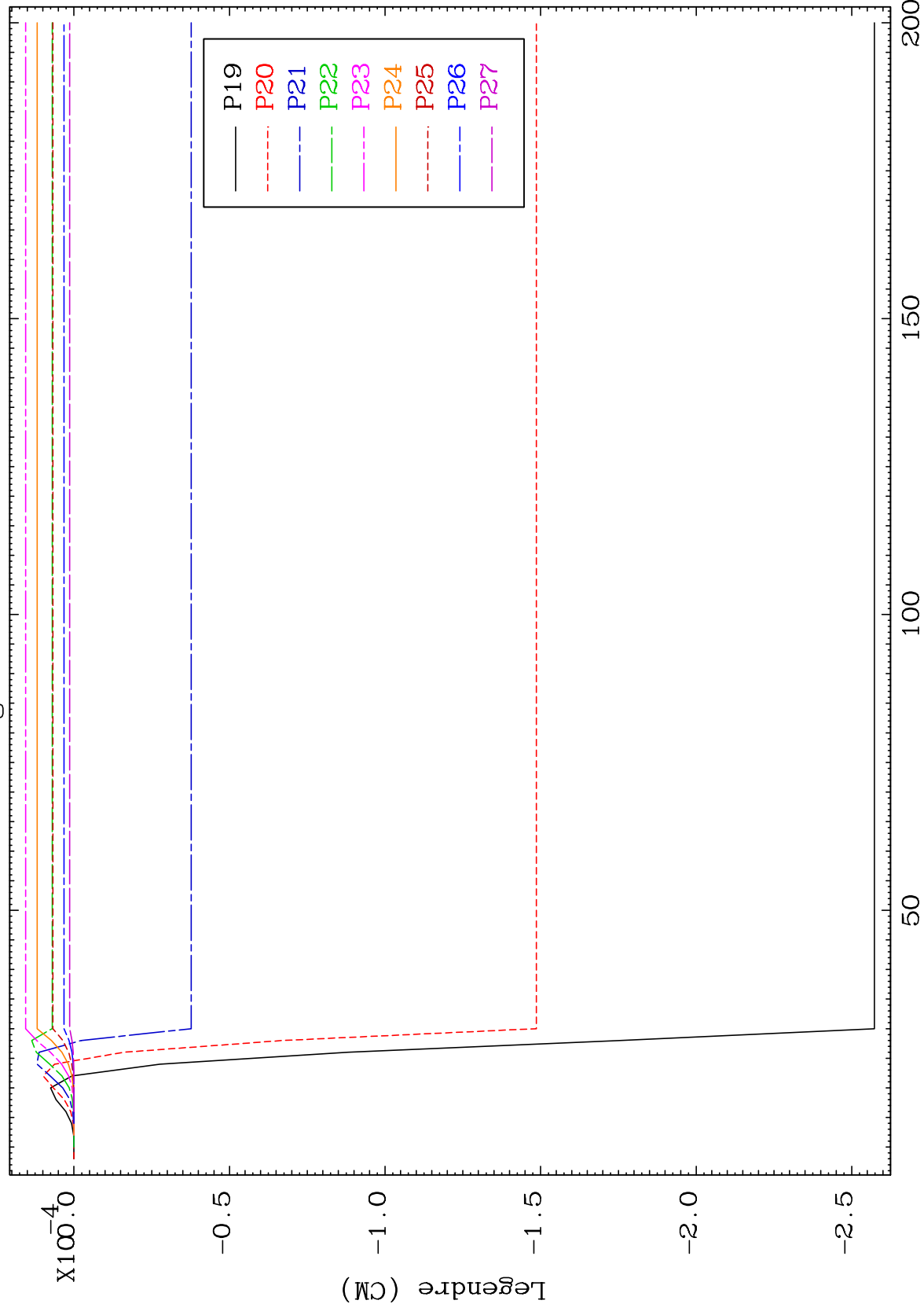
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

61-Pm-143



134

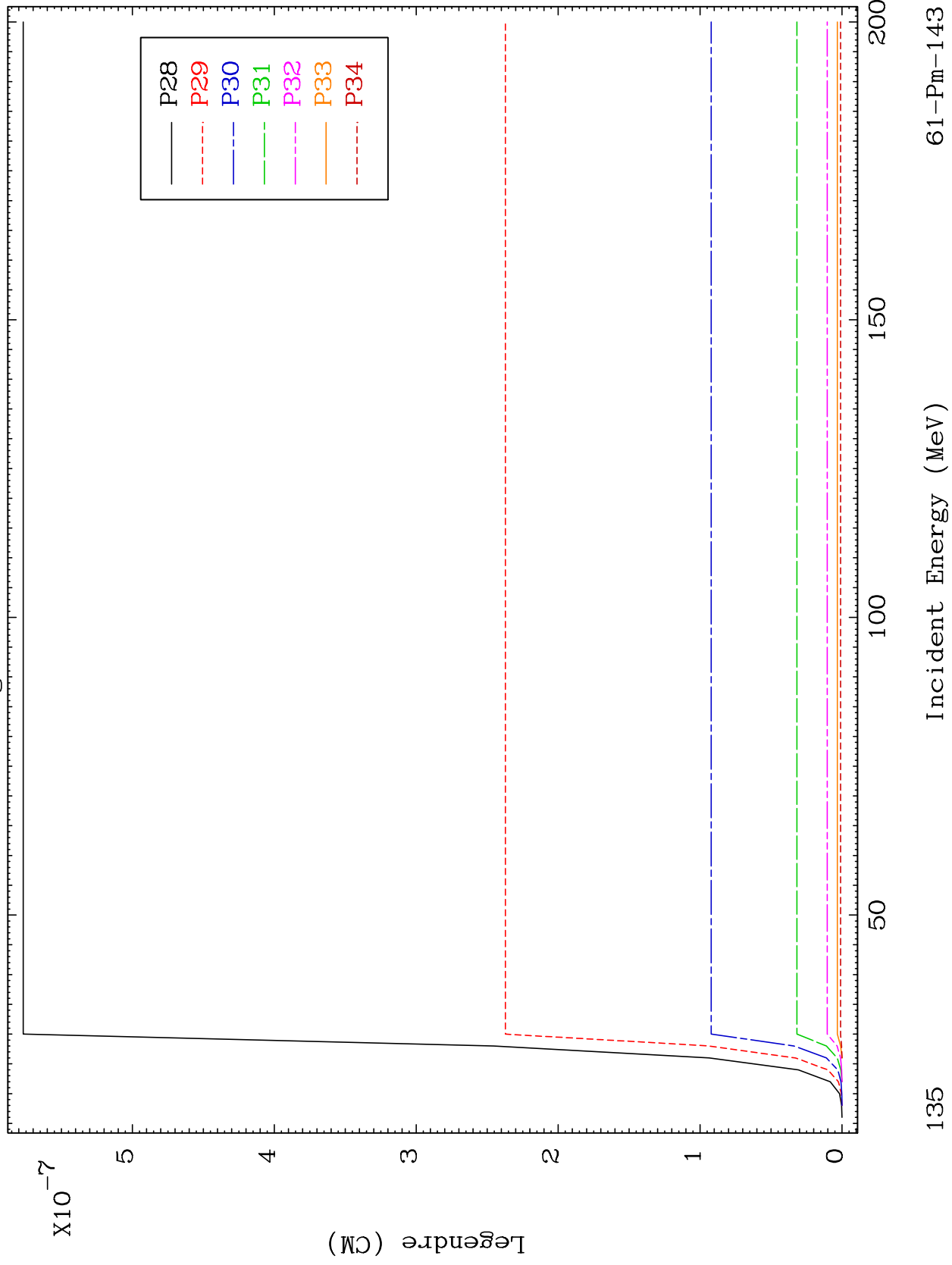
Incident Energy (MeV)

61-Pm-143

MAT 6137

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

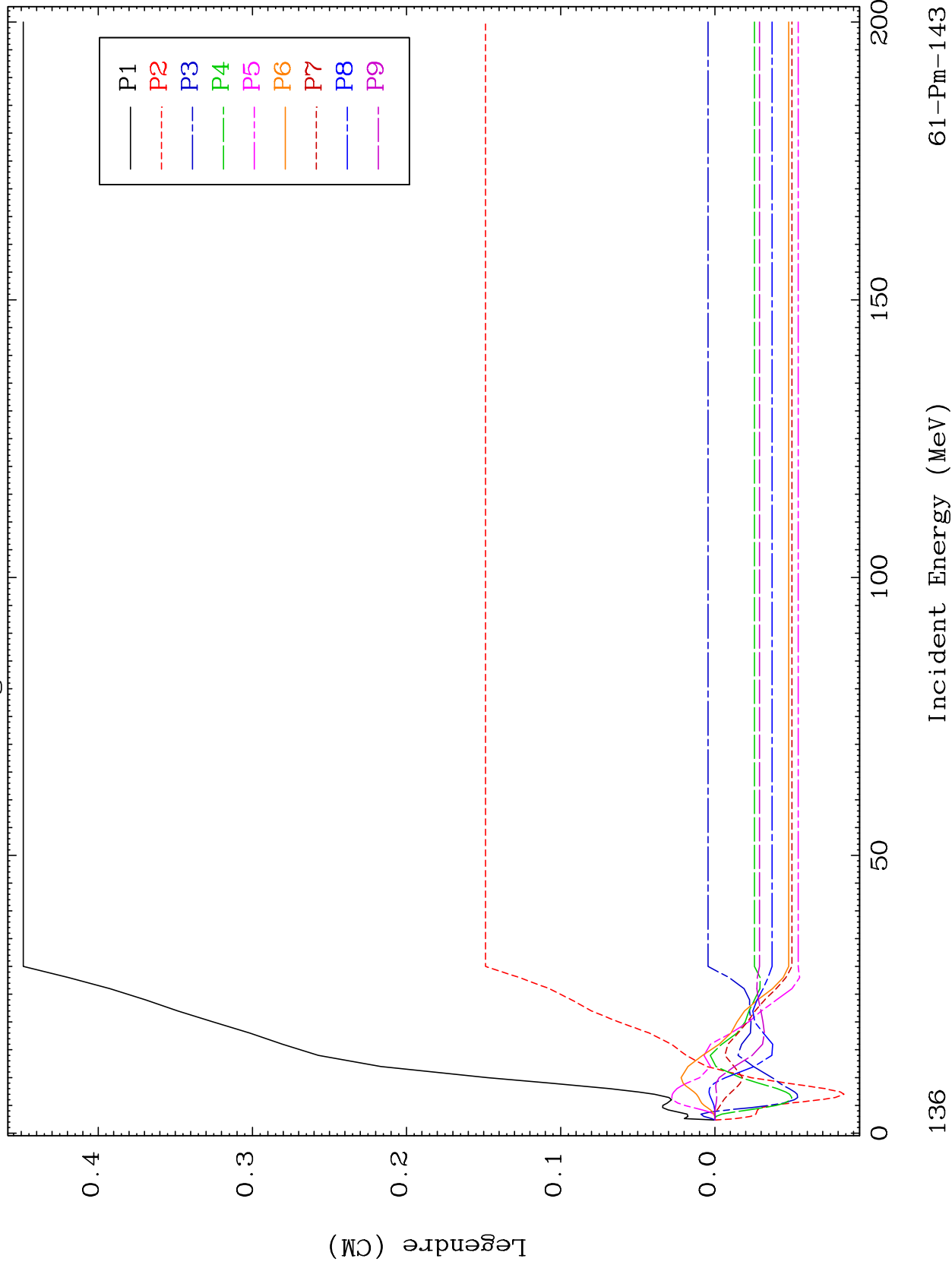
61-Pm-143



MAT 6137

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

61-Pm-143



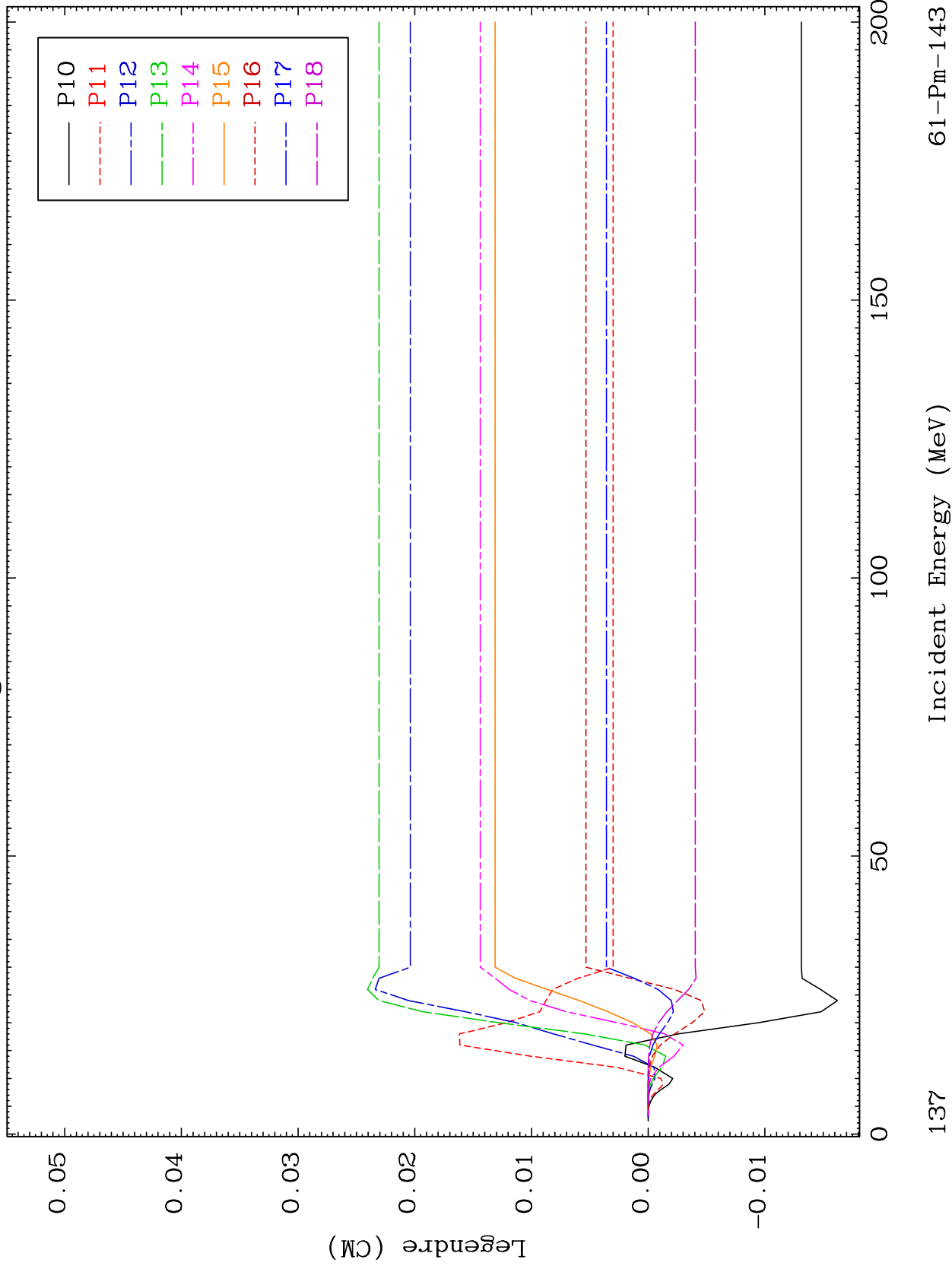
136

61-Pm-143

MAT 6137

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

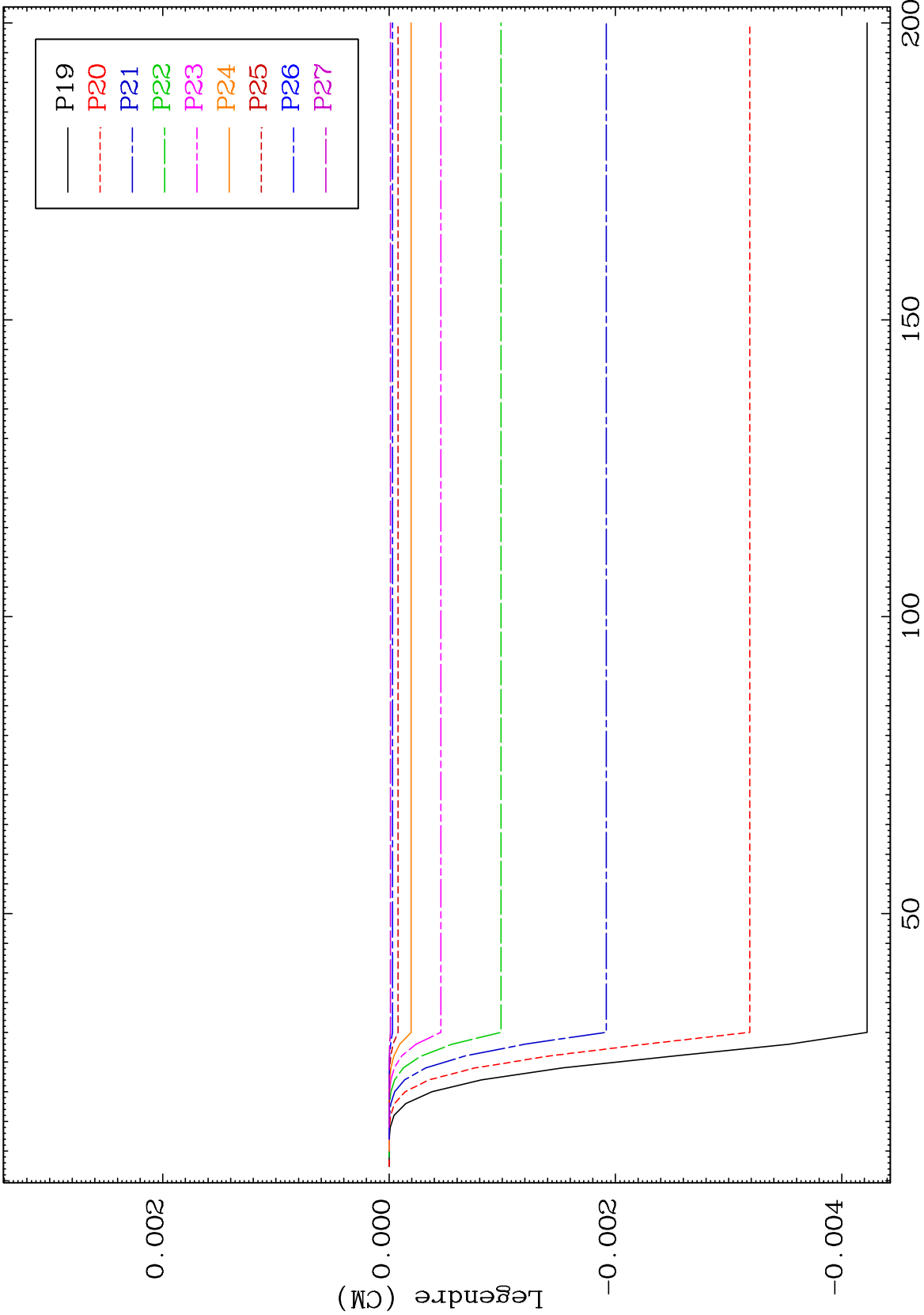
61-Pm-143



MAT 6137

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

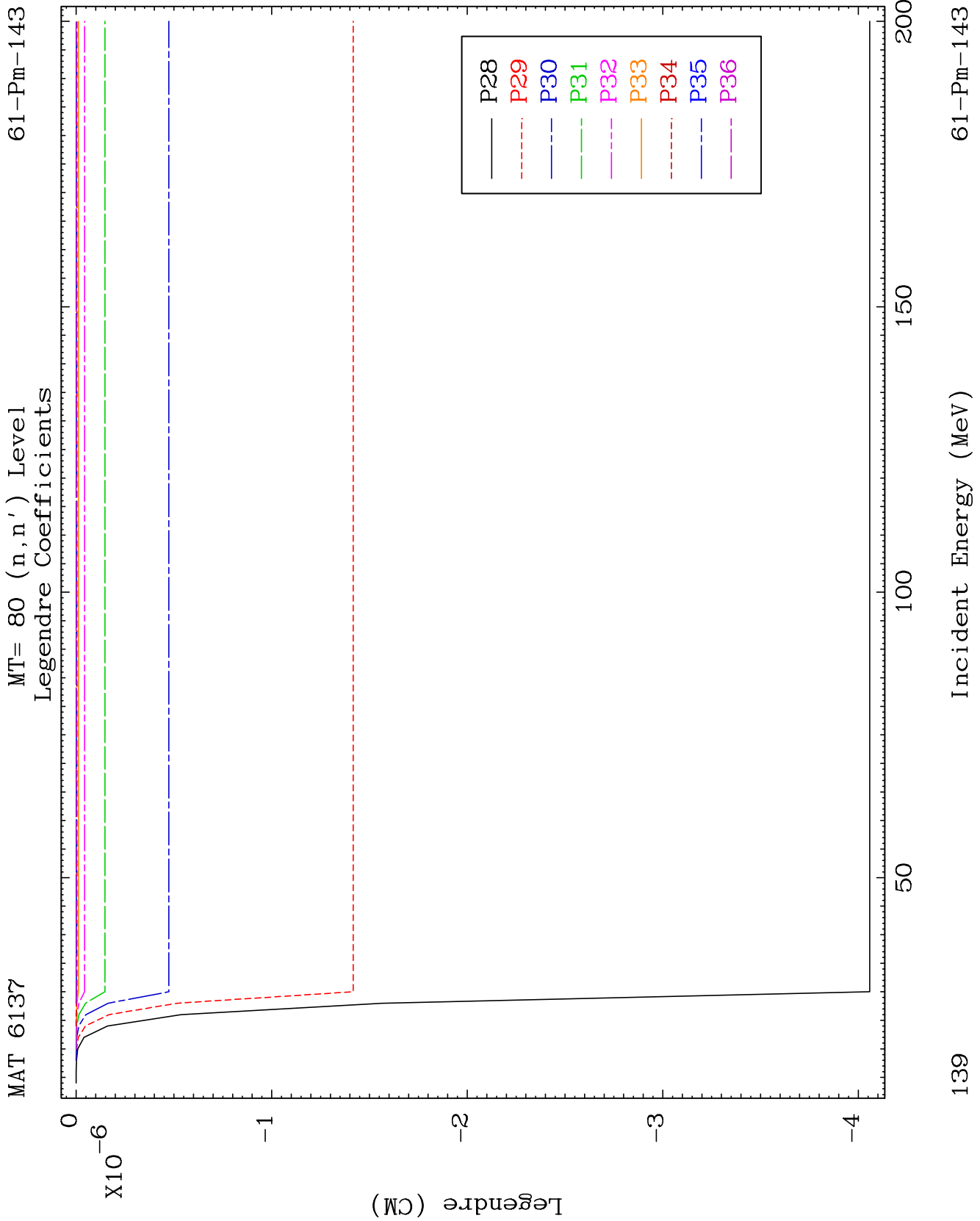
61-Pm-143



138

Incident Energy (MeV)

61-Pm-143

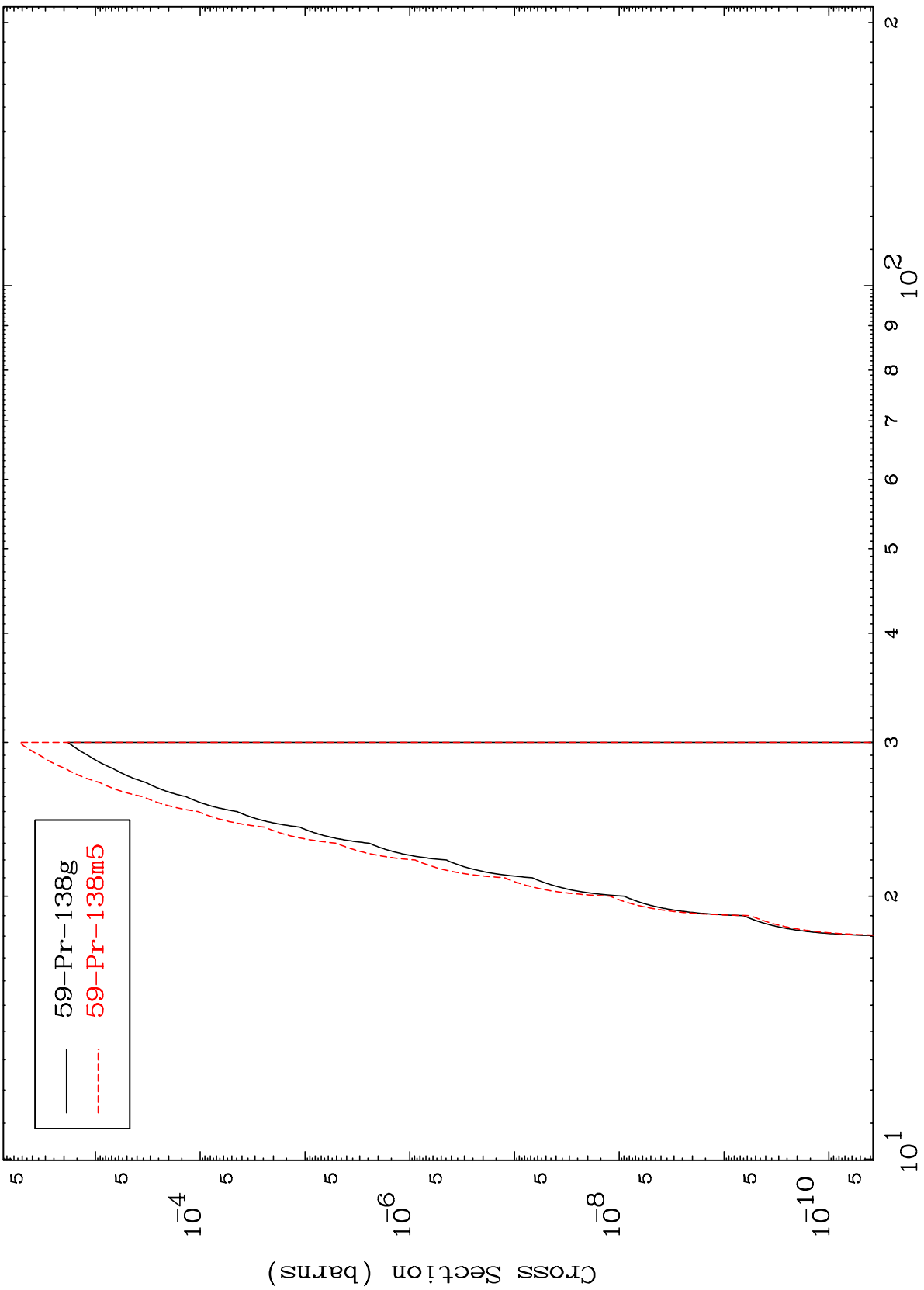


MAT 6137

$(n,2n) \alpha$

61-Pm-143

Radionuclide Production Cross Section



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

140

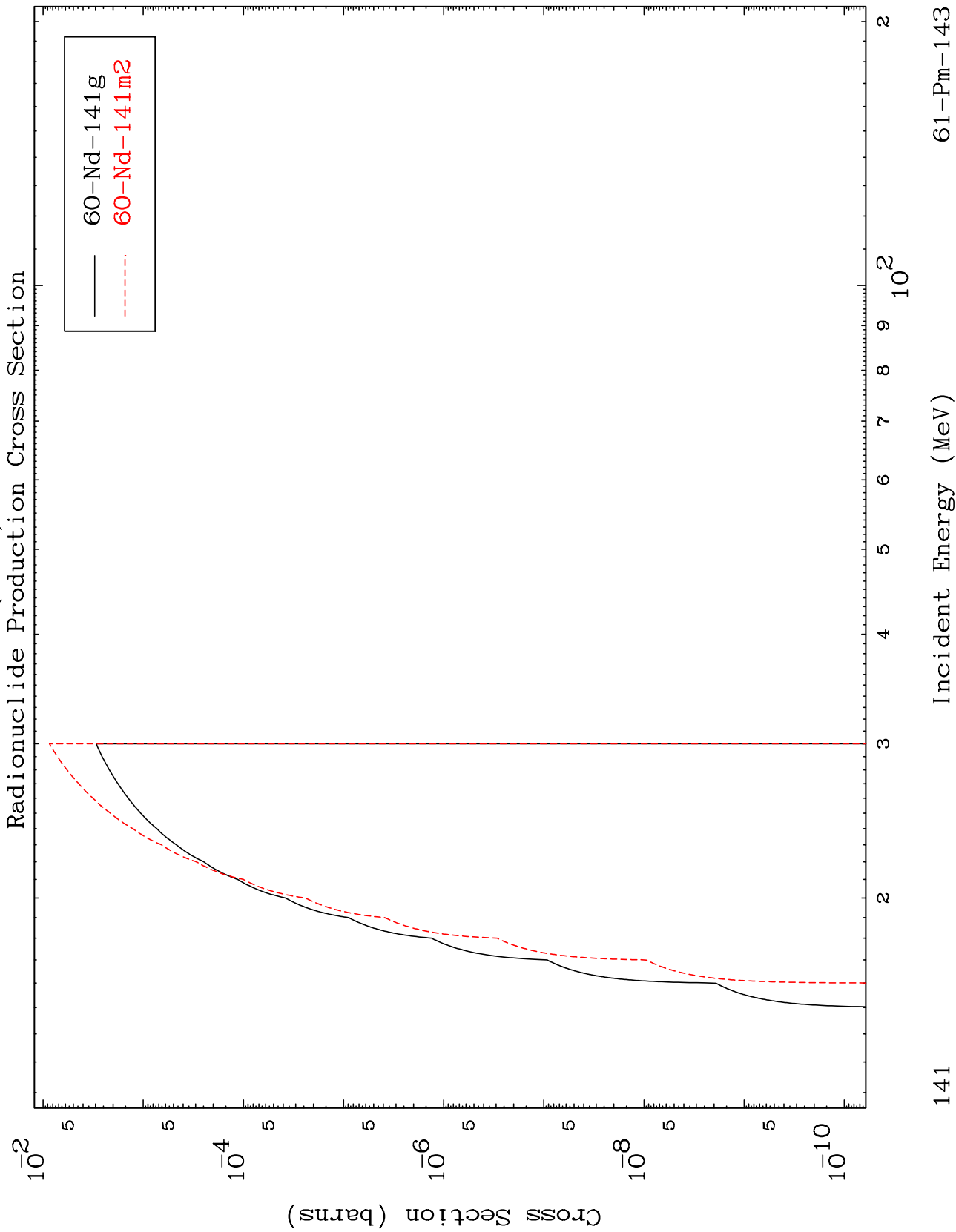
Incident Energy (MeV)

61-Pm-143

MAT 6137

(n,n') d

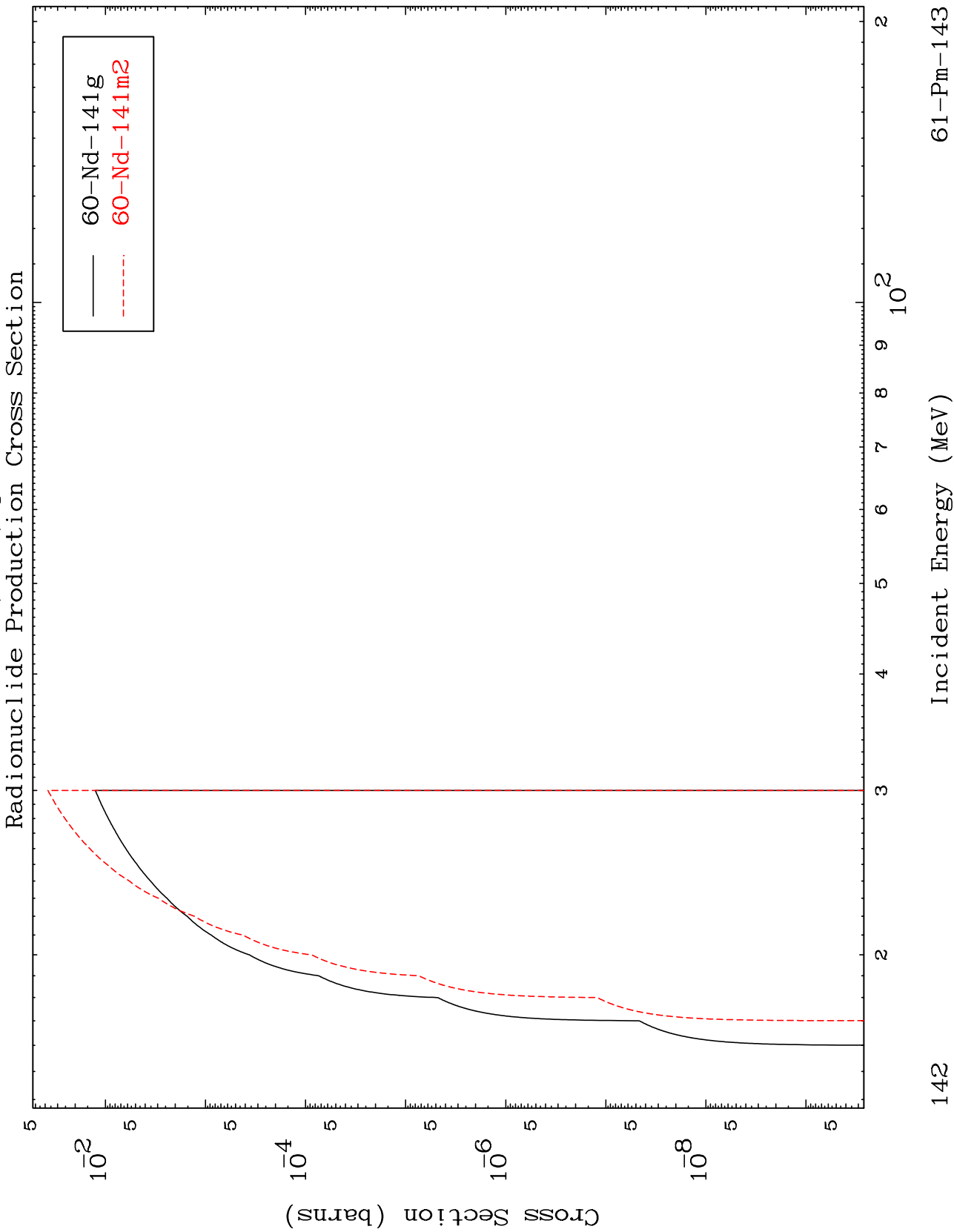
61-Pm-143



141

Incident Energy (MeV)

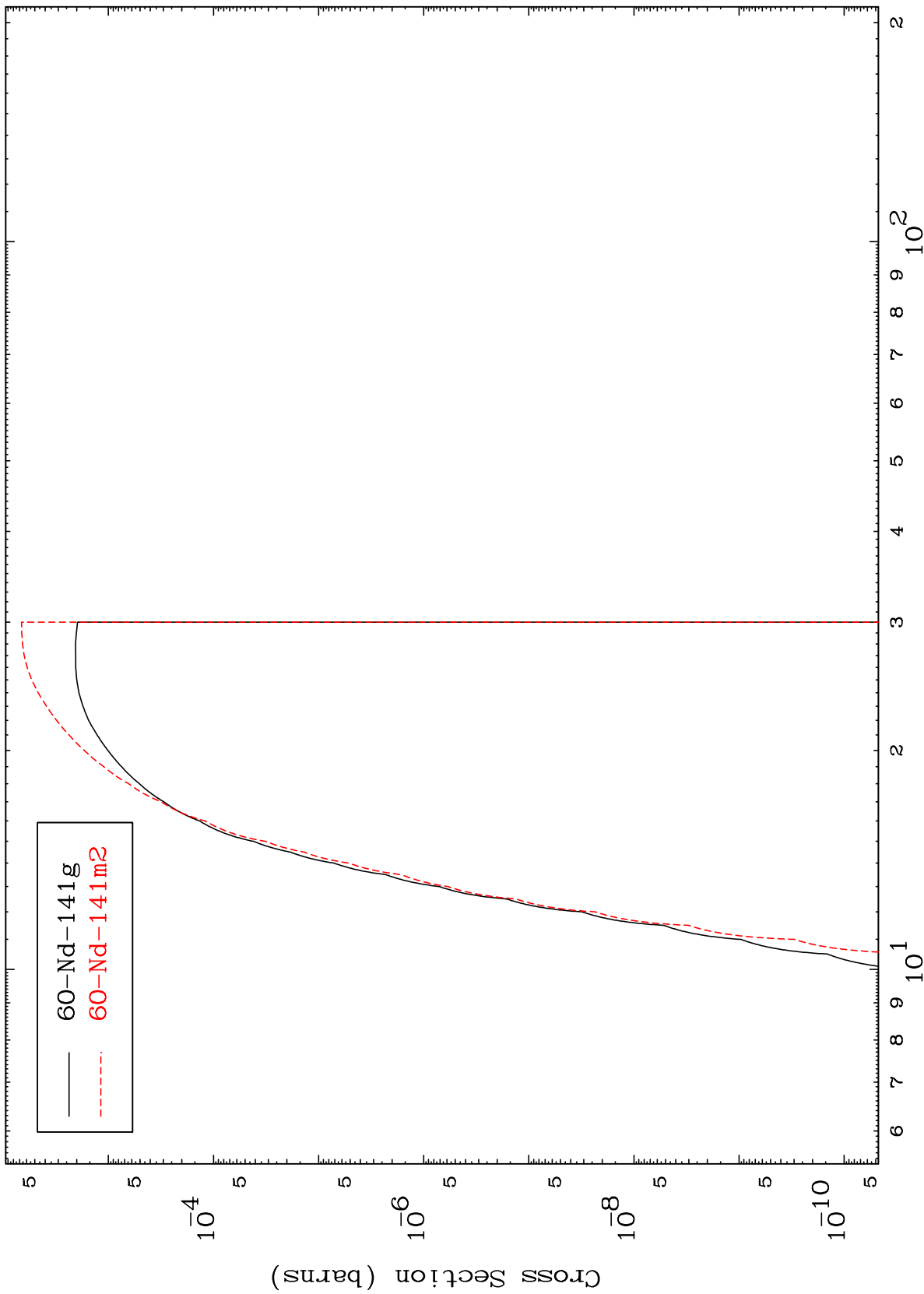
61-Pm-143



MAT 6137

61-Pm-143

(n,t)
Radionuclide Production Cross Section



143

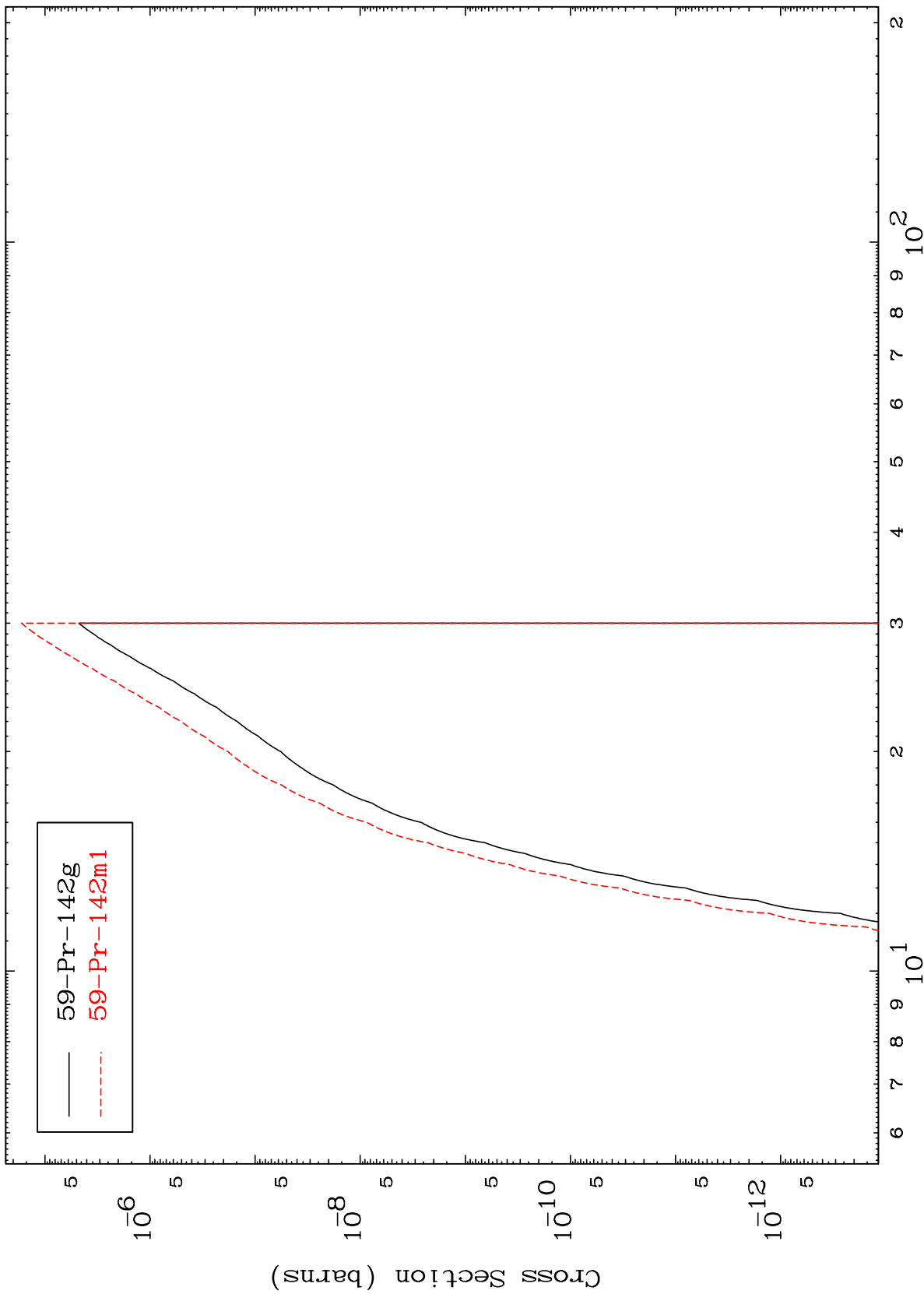
Incident Energy (MeV)

61-Pm-143

MAT 6137

61-Pm-143

(n,2p)
Radionuclide Production Cross Section



— 59-Pr-142g
- - - 59-Pr-142m1

61-Pm-143

Incident Energy (MeV)

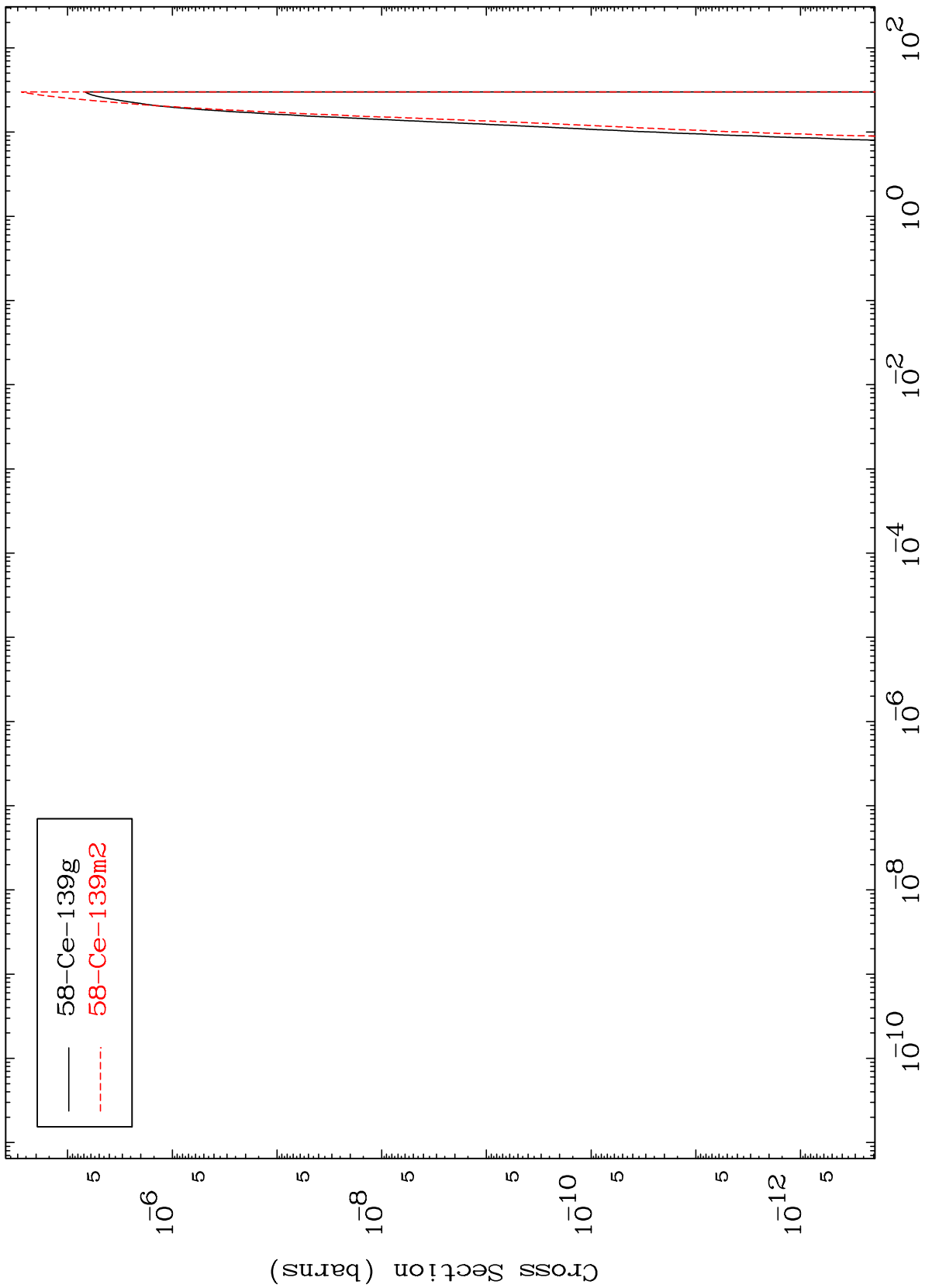
144

MAT 6137

(n,p) α

61-Pm-143

Radionuclide Production Cross Section



145

Incident Energy (MeV)

61-Pm-143