

Program EVALPLOT  
(Version 2018-1)

by

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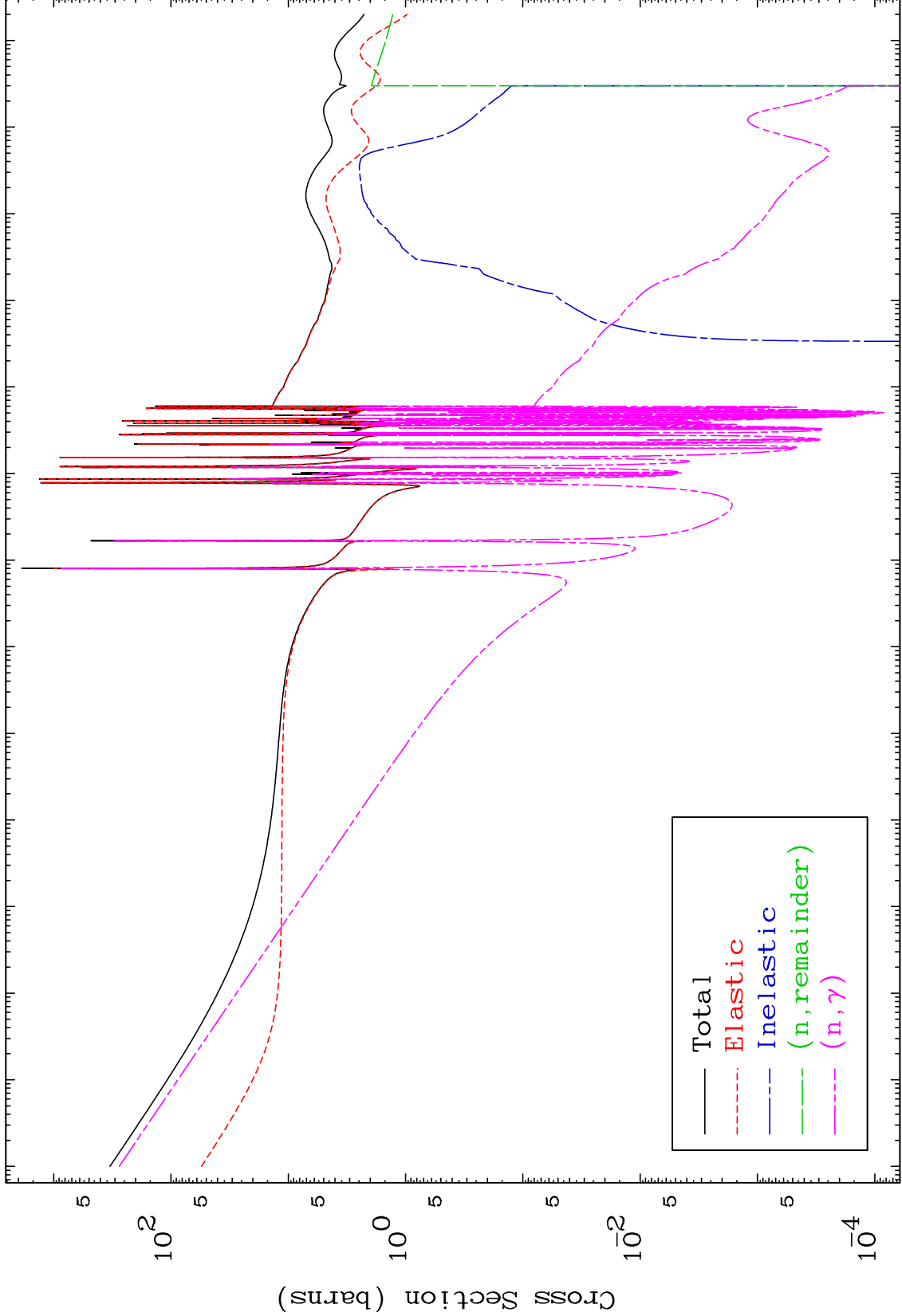
Press Mouse Button to Start

MAT 5664

Major

293 Kelvin Cross Sections

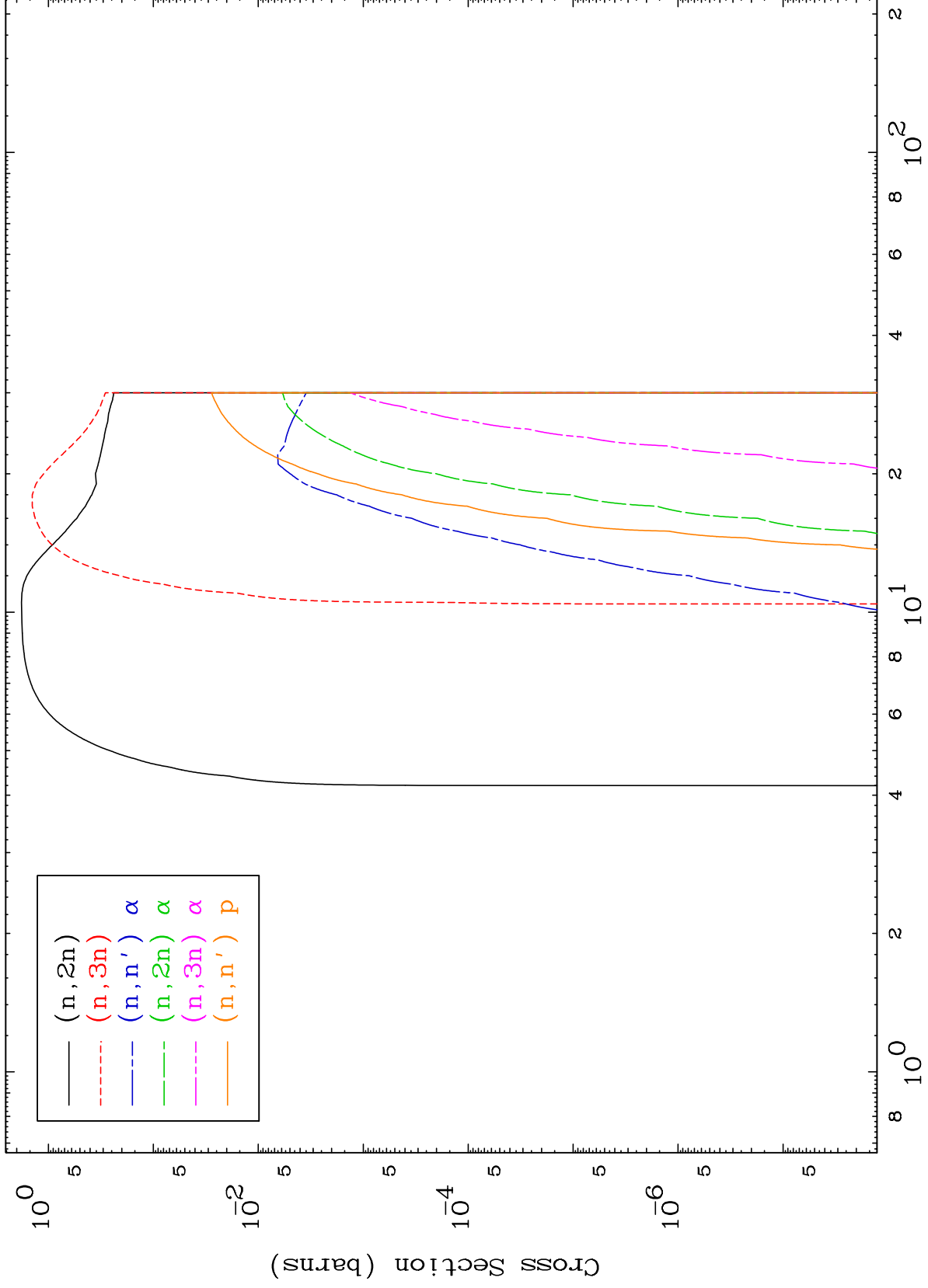
56-Ba-143



MAT 5664

Neutron Production  
293 Kelvin Cross Sections

56-Ba-143

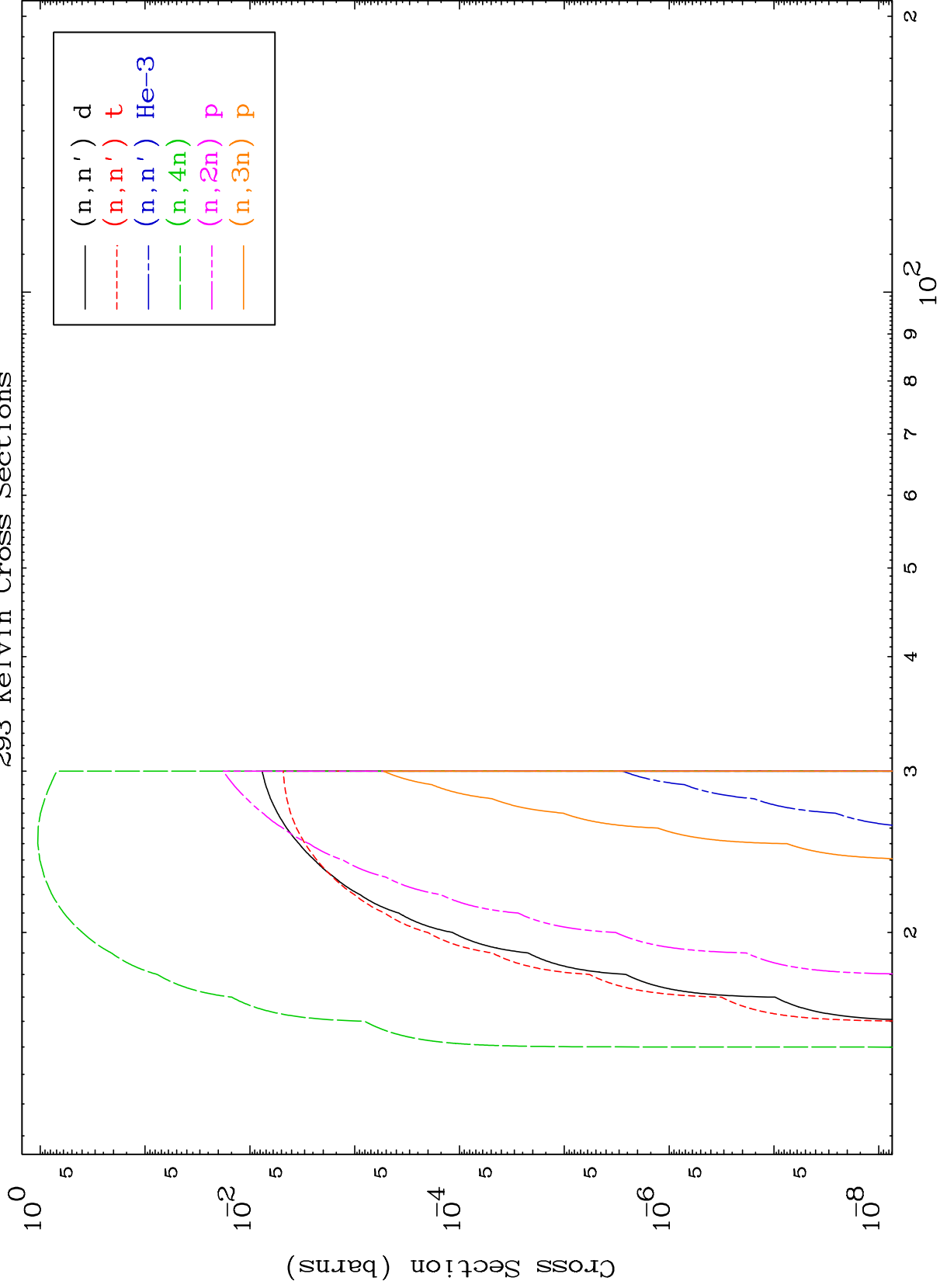


- (n, 2n)
- (n, 3n)
- (n, n')
- (n, 2n)
- (n, 3n)
- (n, n')

56-Ba-143

Incident Energy (MeV)

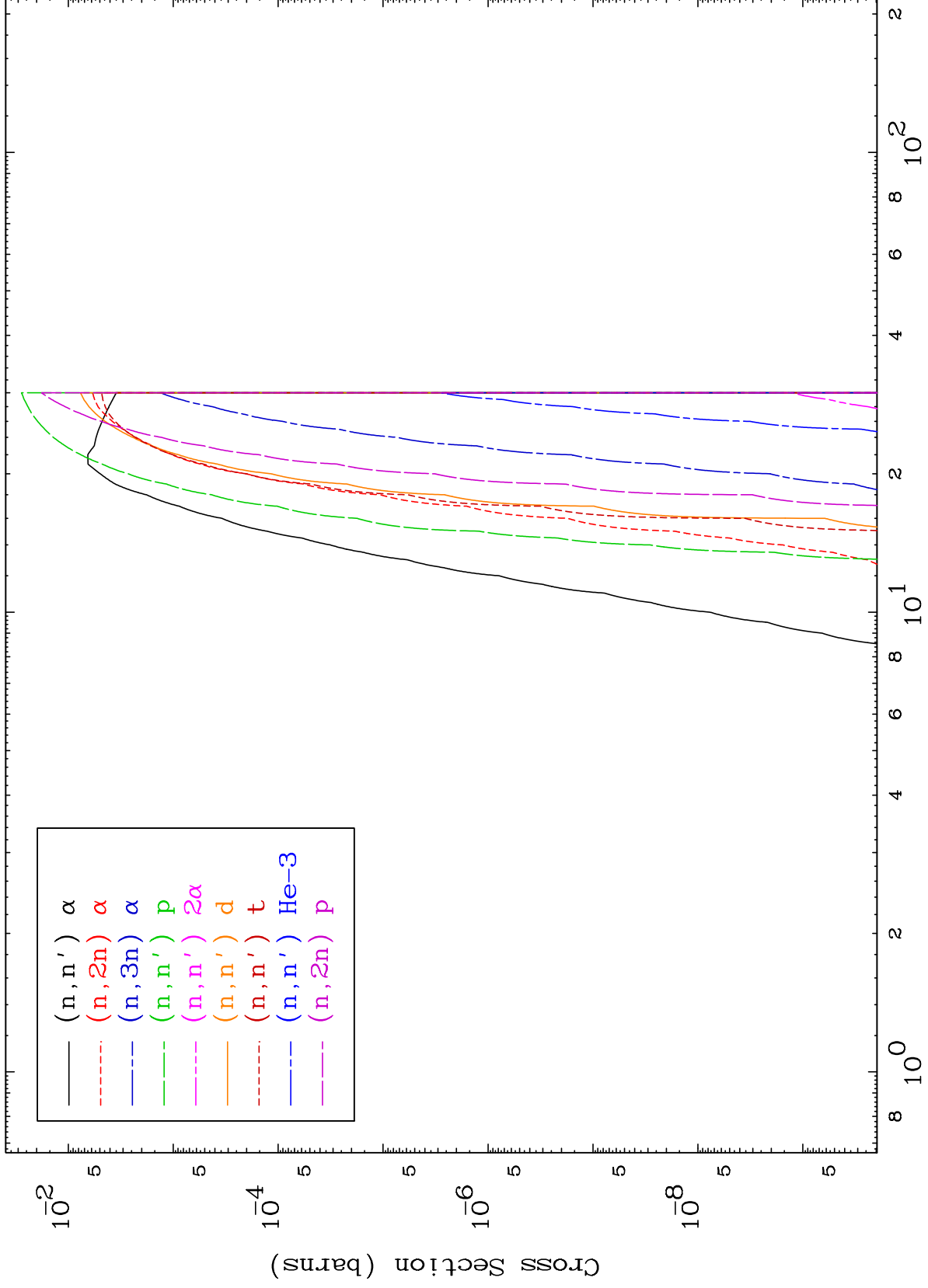
2



MAT 5664

Charged Particle  
293 Kelvin Cross Sections

56-Ba-143



4

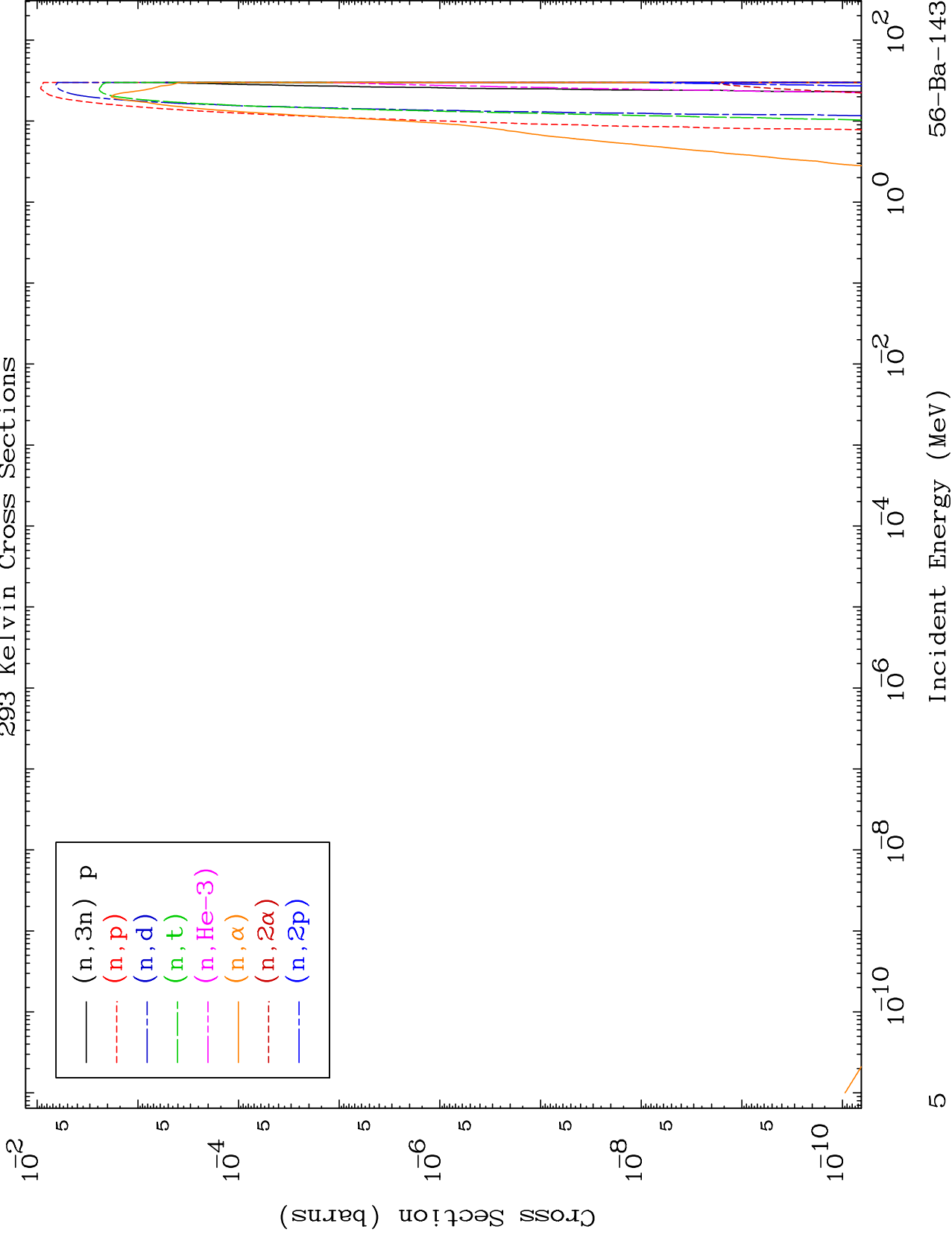
Incident Energy (MeV)

56-Ba-143

MAT 5664

Charged Particle  
293 Kelvin Cross Sections

56-Ba-143



56-Ba-143

Incident Energy (MeV)

5

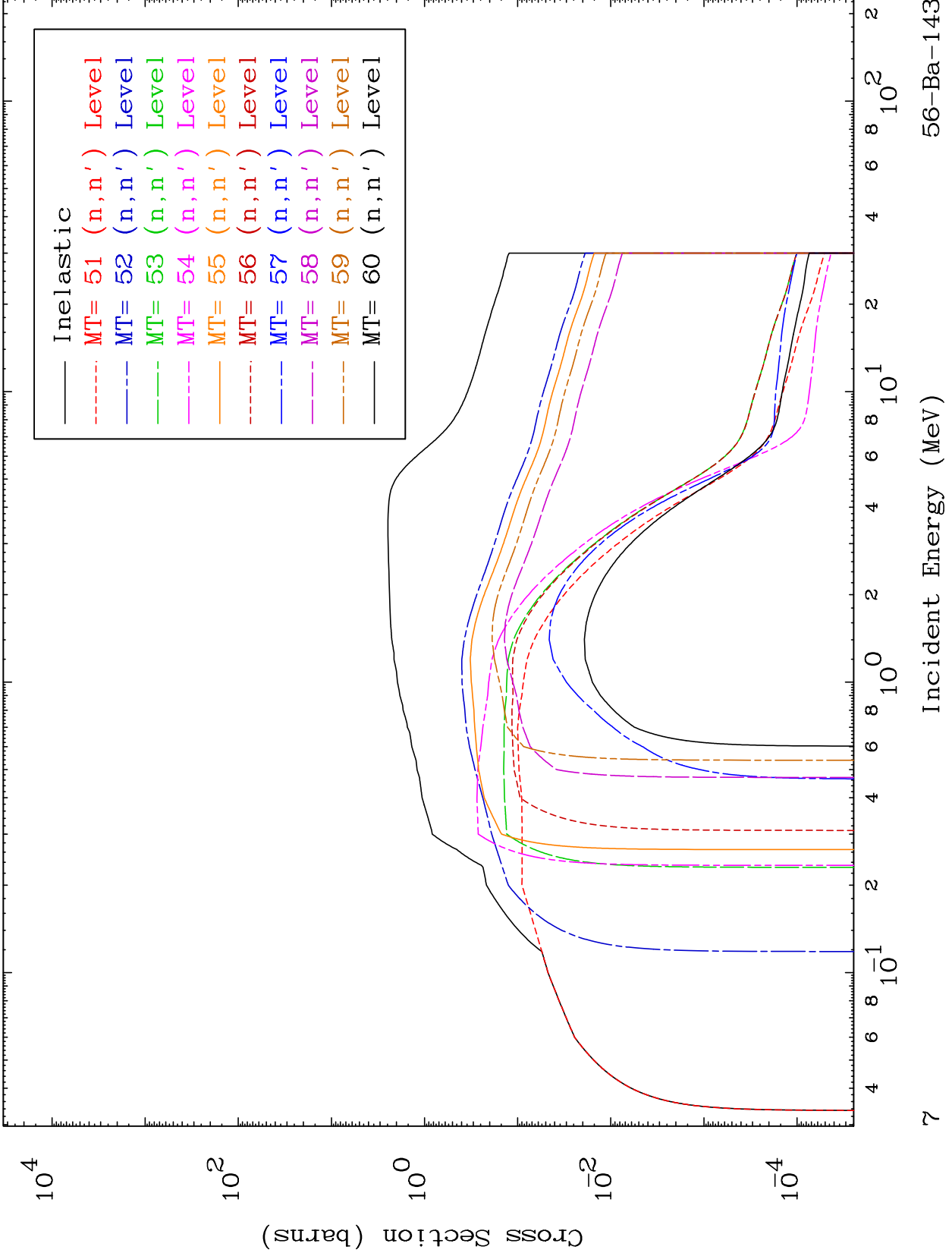


MAT 5664

(n,n') Level

56-Ba-143

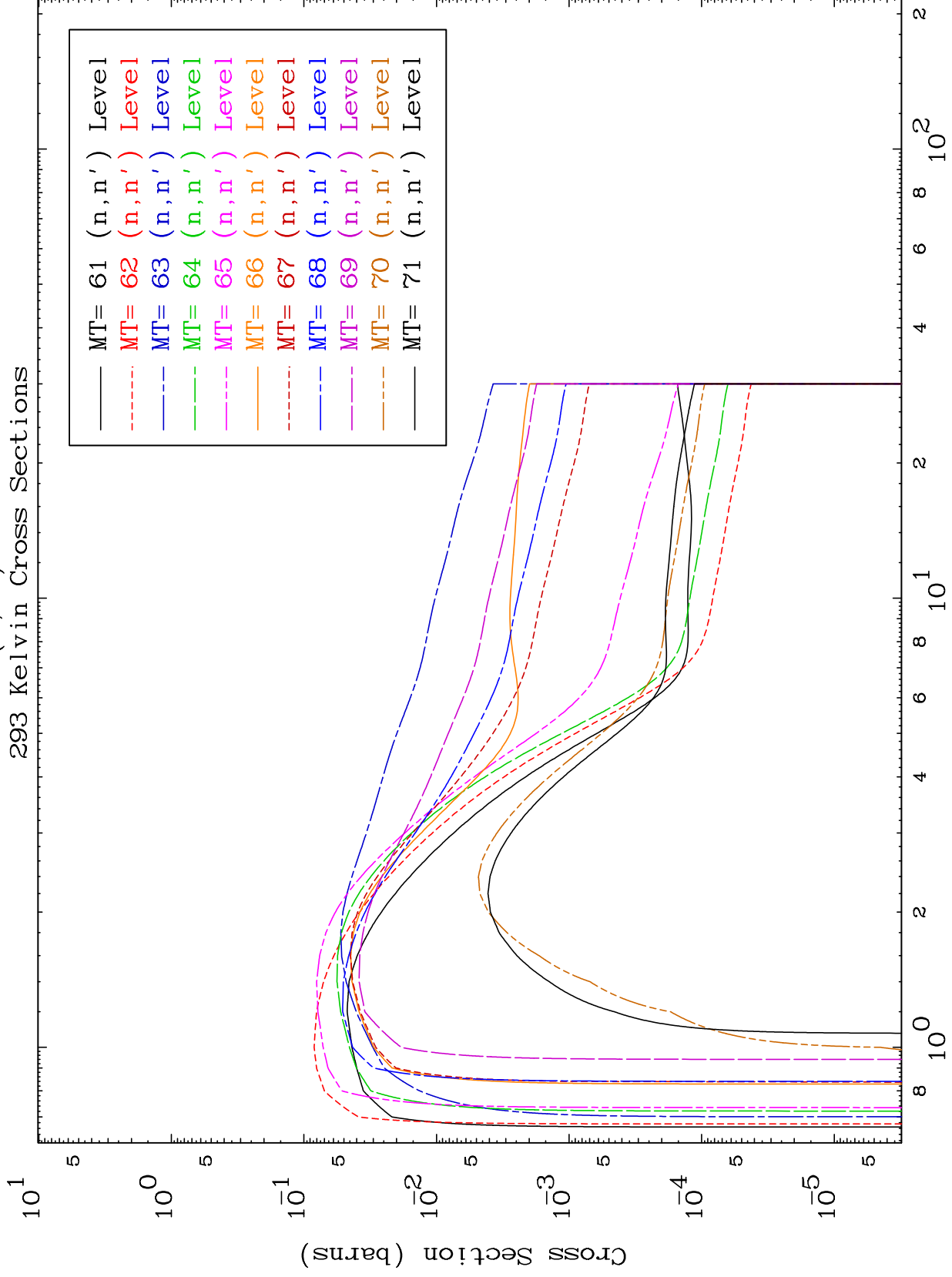
293 Kelvin Cross Sections



MAT 5664

(n,n') Level

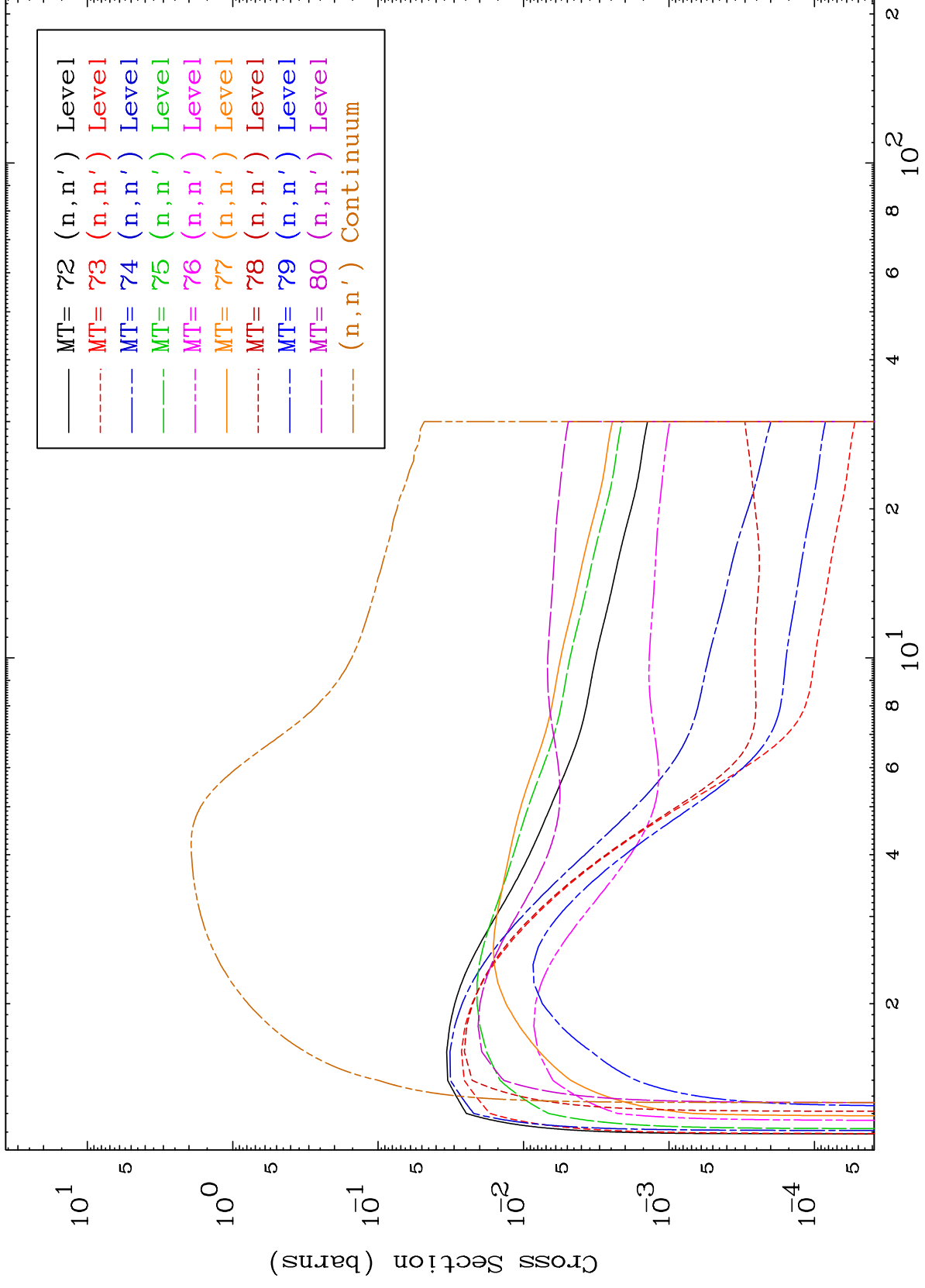
56-Ba-143



Incident Energy (MeV)

56-Ba-143

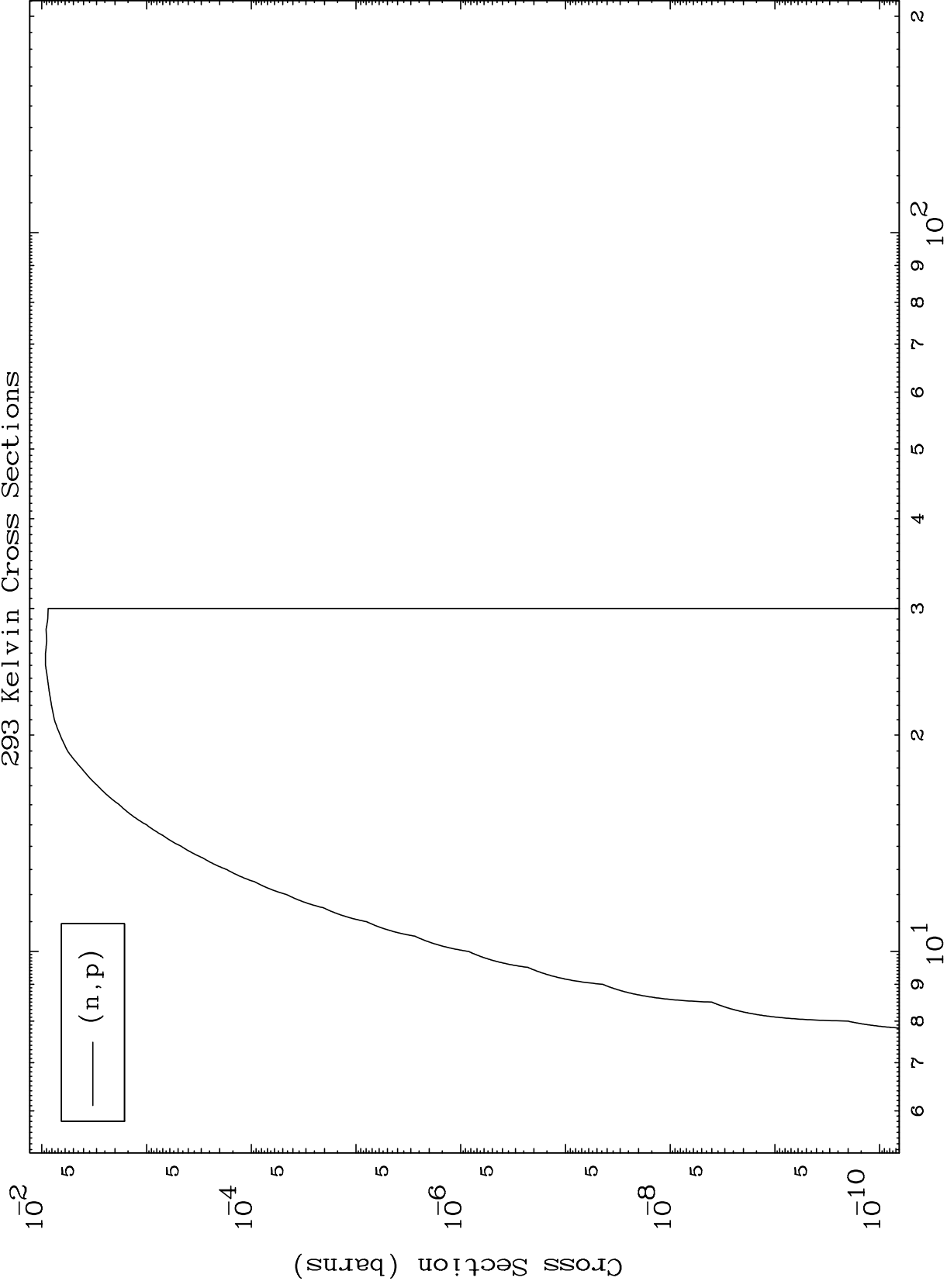
293 Kelvin Cross Sections



MAT 5664

(n,p) Levels  
293 Kelvin Cross Sections

56-Ba-143



10

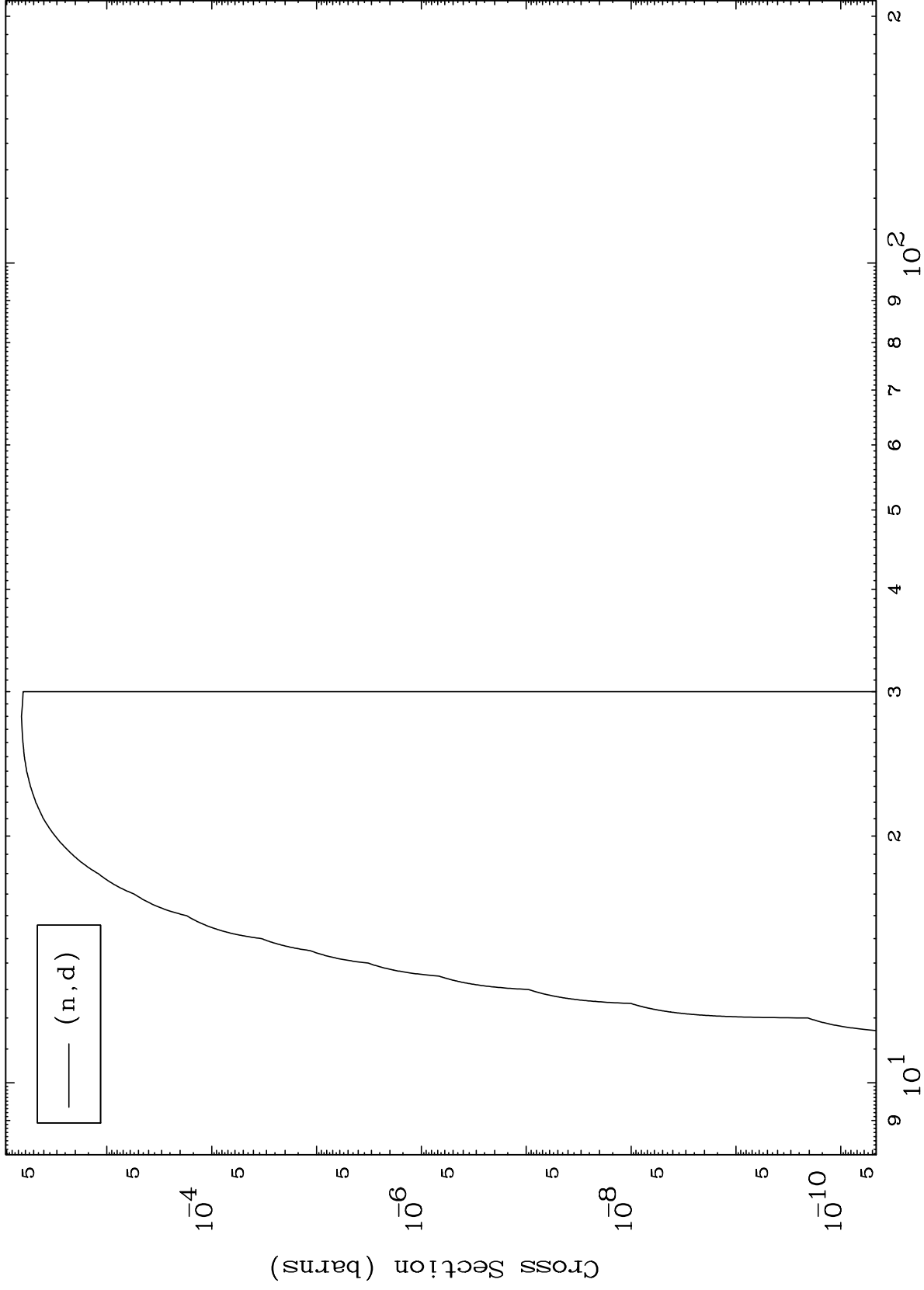
Incident Energy (MeV)

56-Ba-143

MAT 5664

(n,d) Levels  
293 Kelvin Cross Sections

56-Ba-143



11

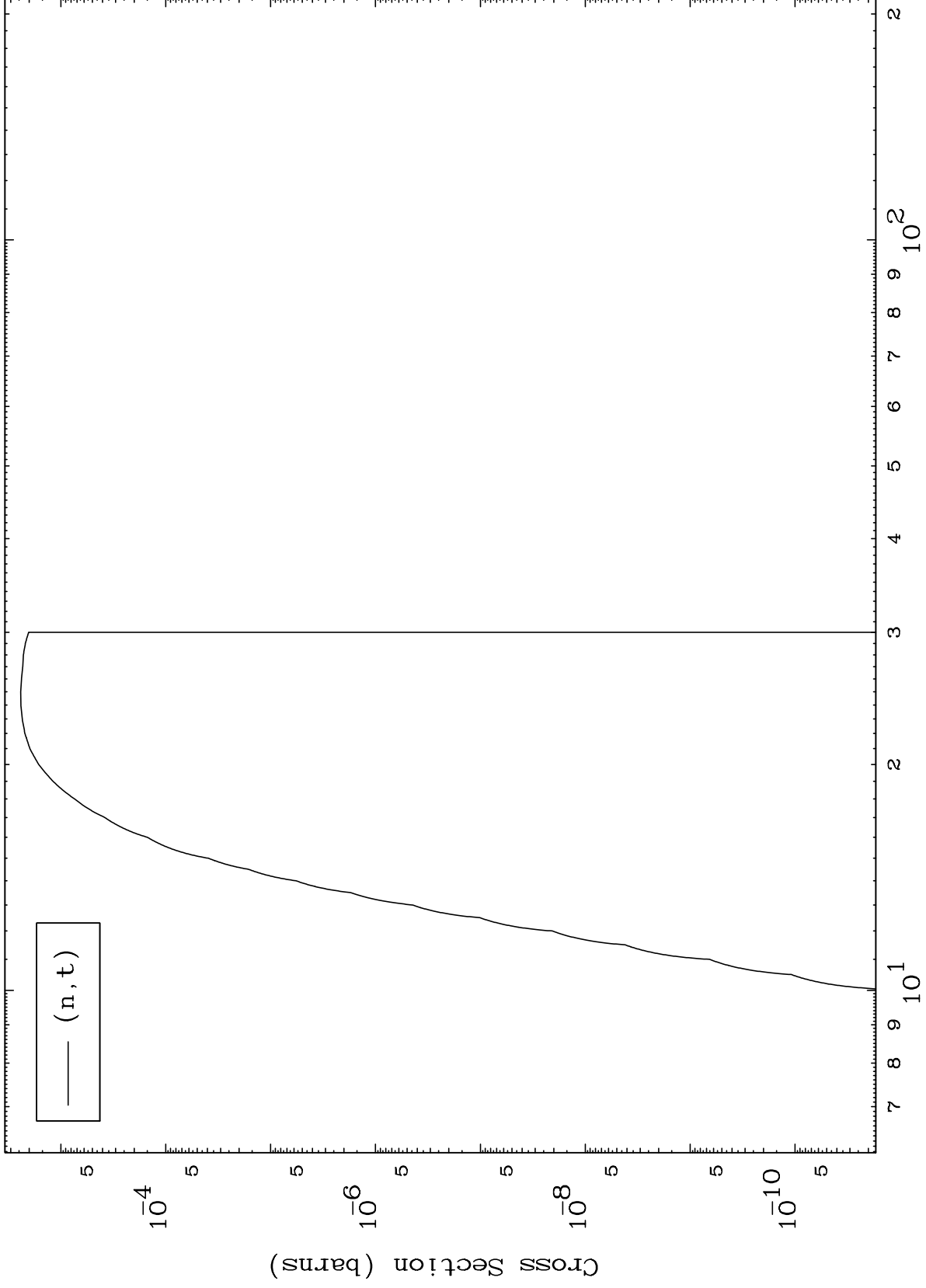
Incident Energy (MeV)

56-Ba-143

MAT 5664

(n,t) Levels  
293 Kelvin Cross Sections

56-Ba-143



(n,t)

Incident Energy (MeV)

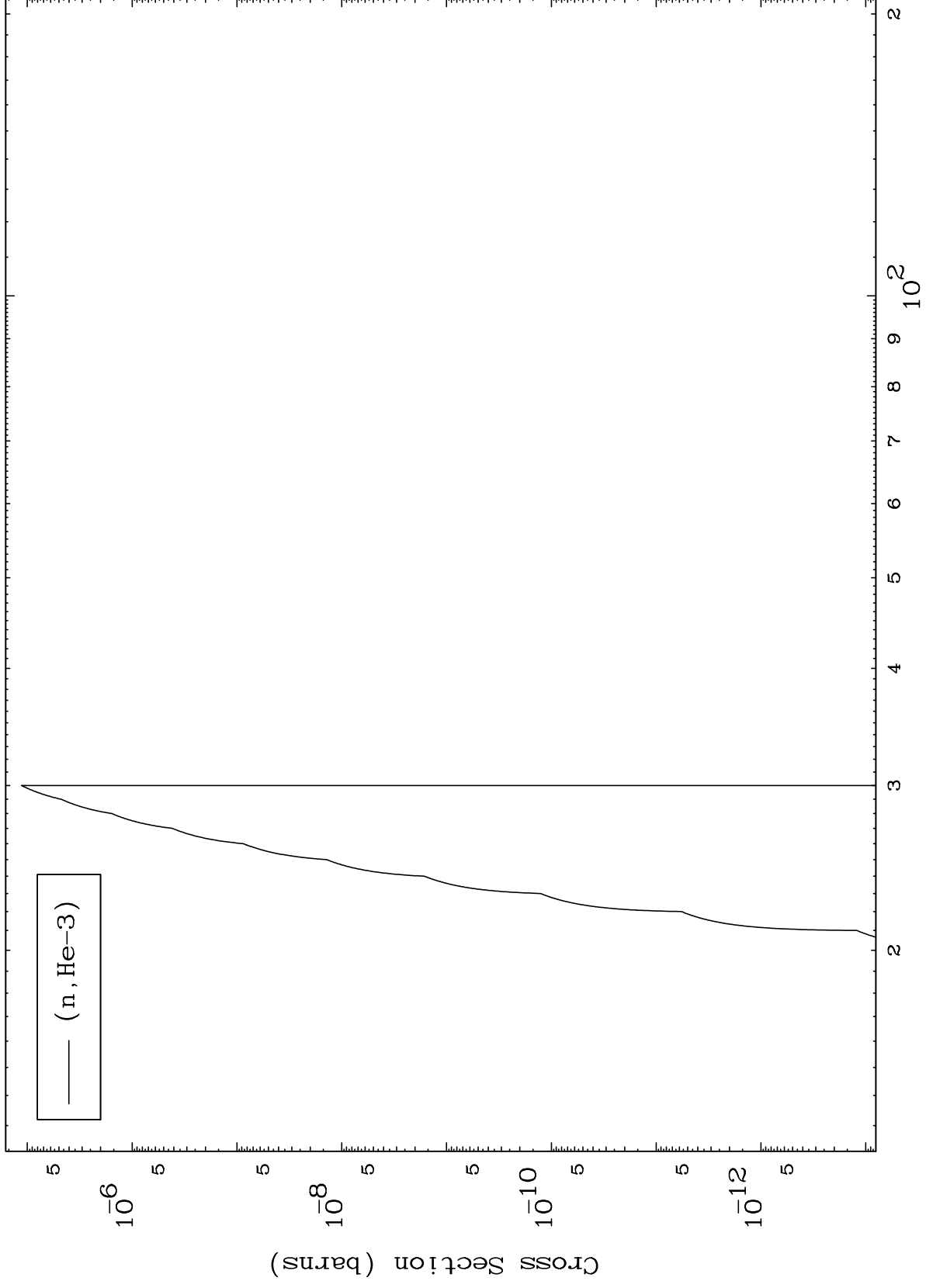
56-Ba-143

12

MAT 5664

(n,He3) Levels  
293 Kelvin Cross Sections

56-Ba-143



13

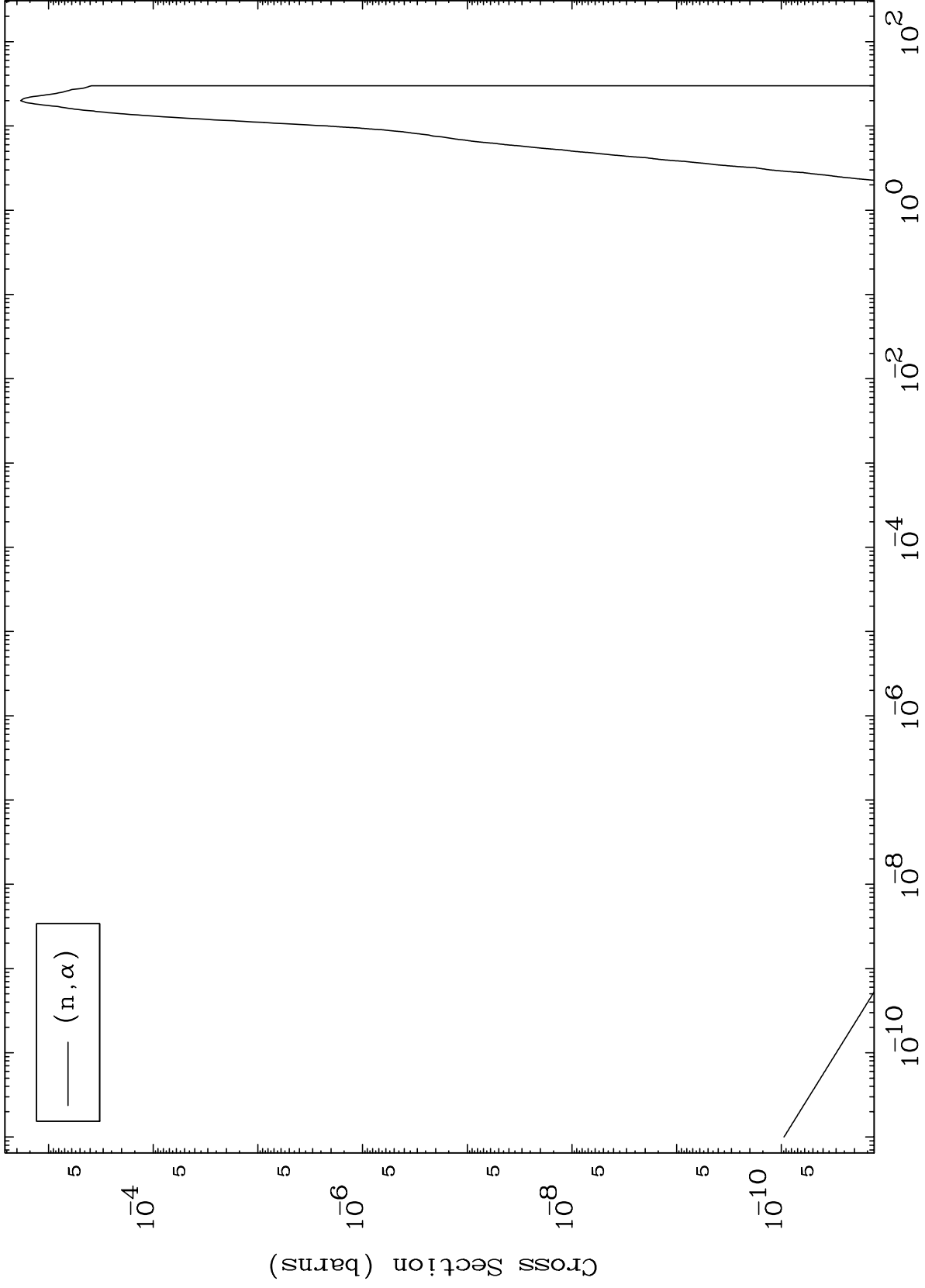
Incident Energy (MeV)

56-Ba-143

MAT 5664

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

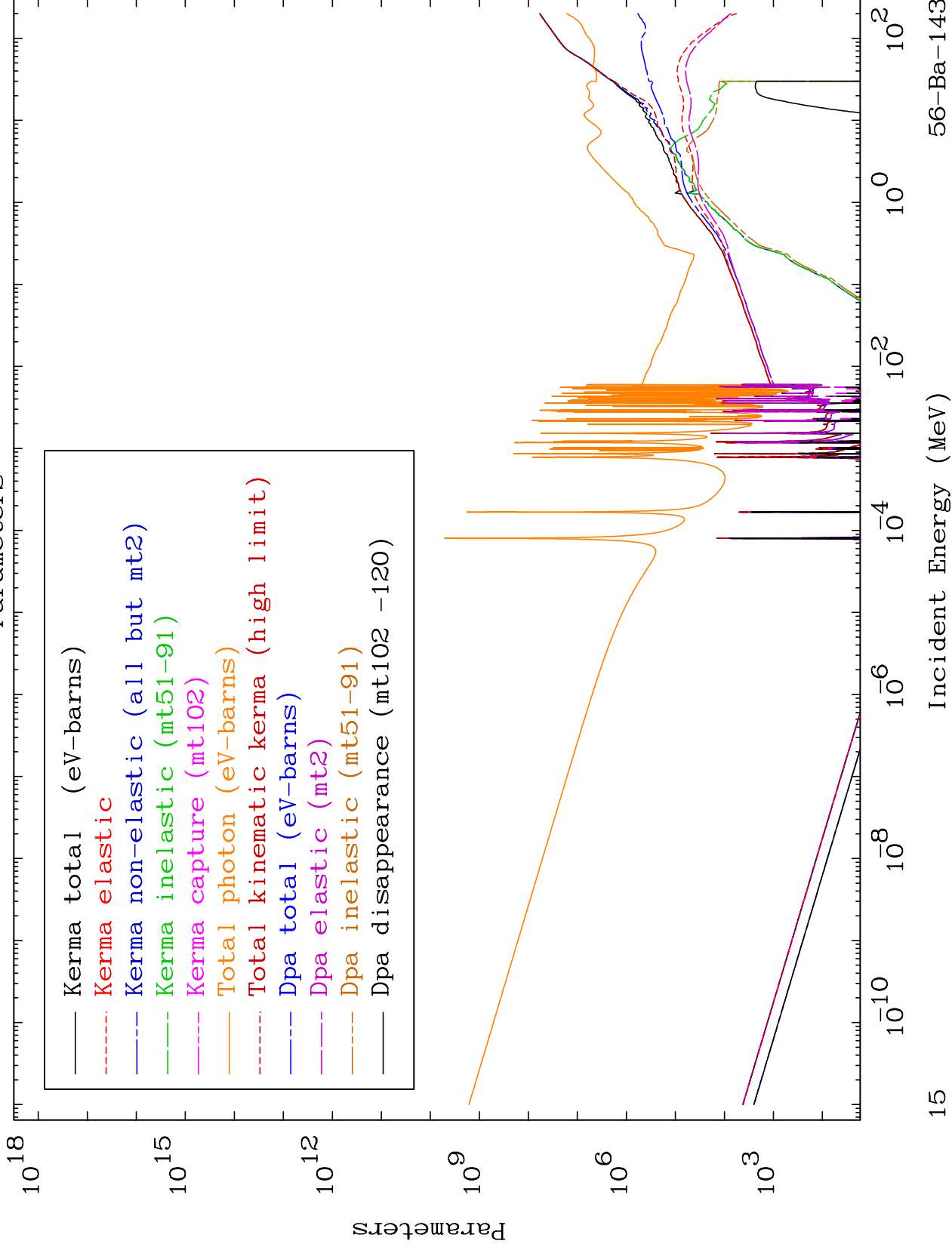
56-Ba-143



14

Incident Energy (MeV)

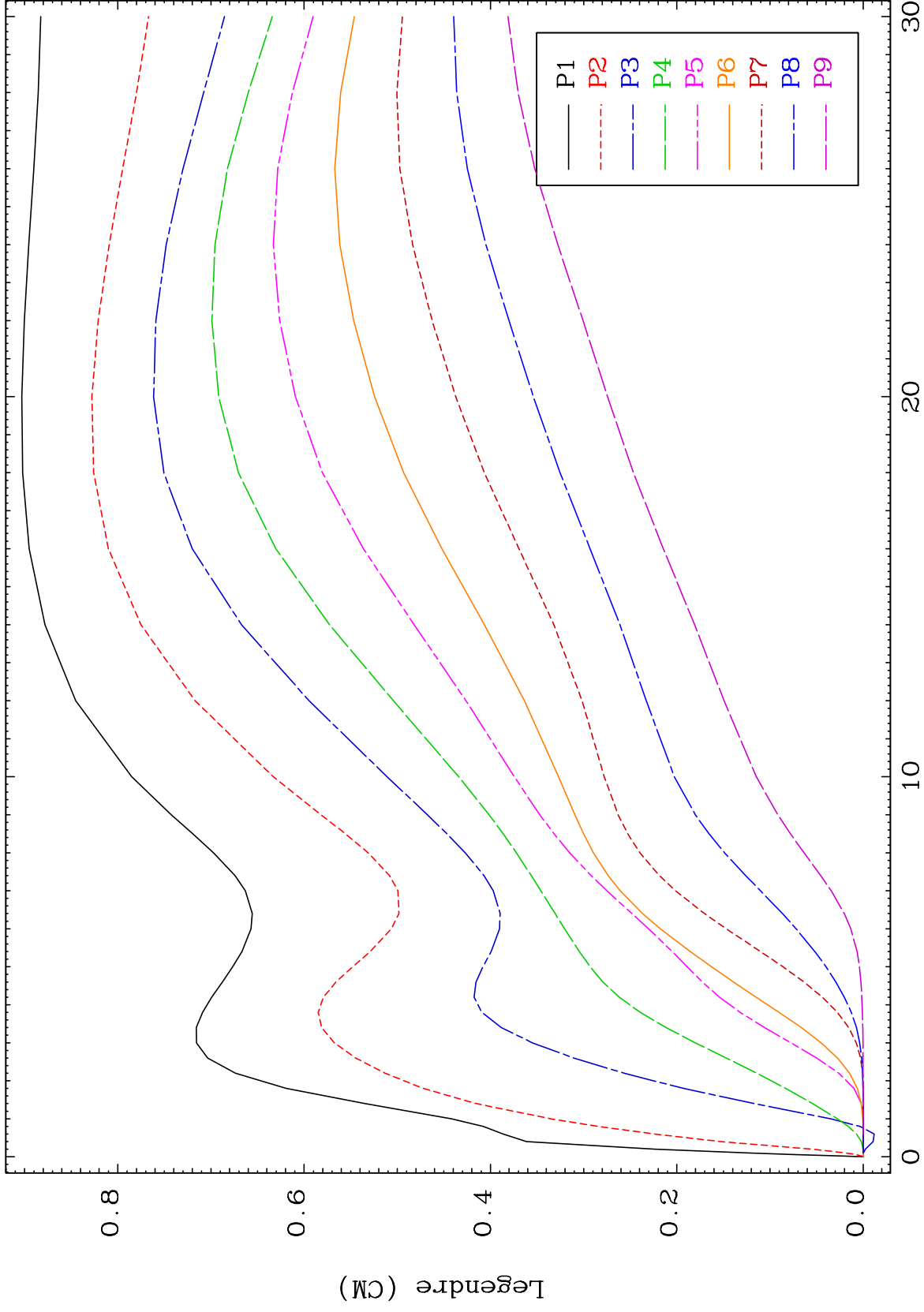
56-Ba-143



MAT 5664

Elastic Legendre Coefficients

56-Ba-143



16

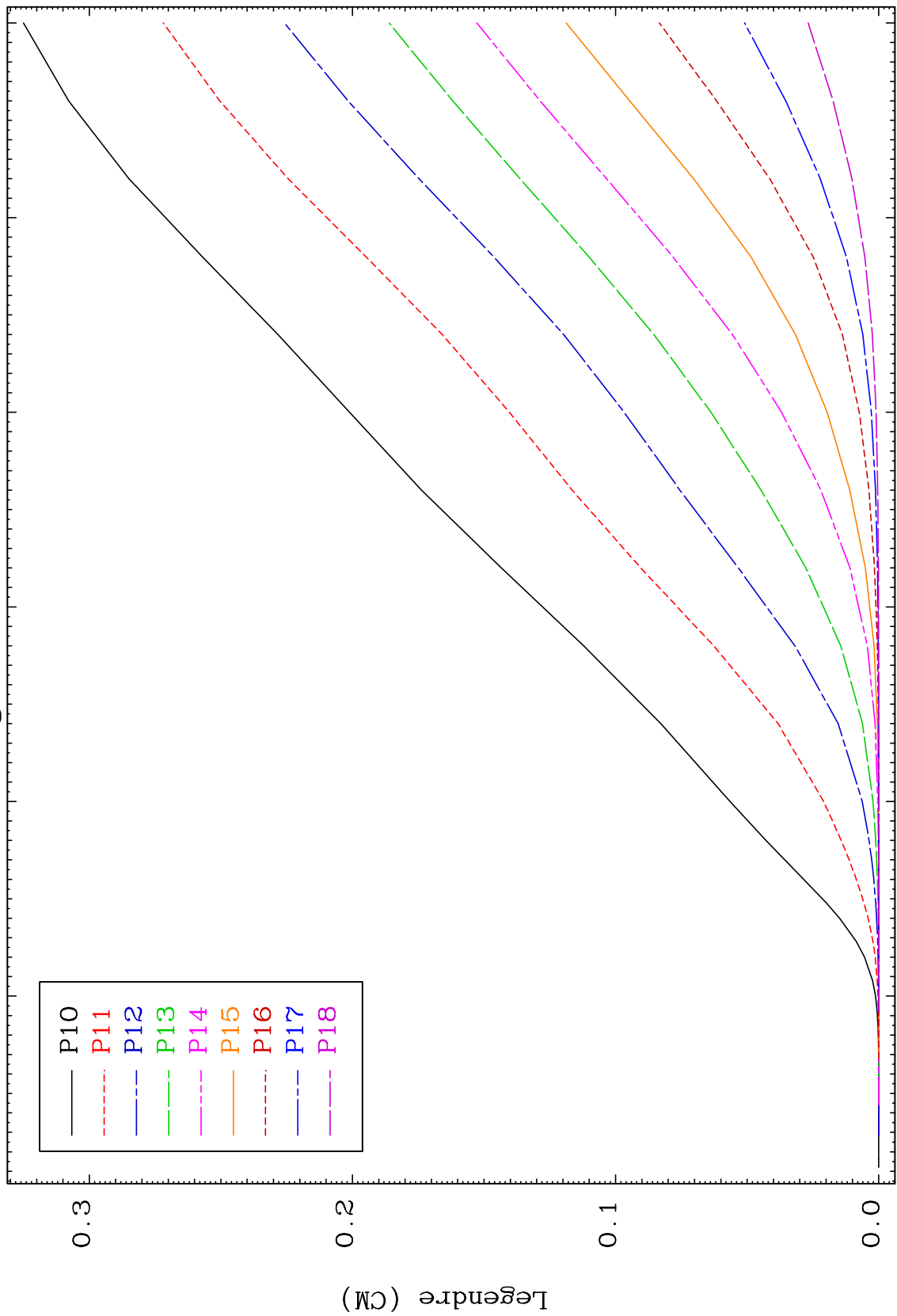
Incident Energy (MeV)

56-Ba-143

MAT 5664

Elastic Legendre Coefficients

56-Ba-143



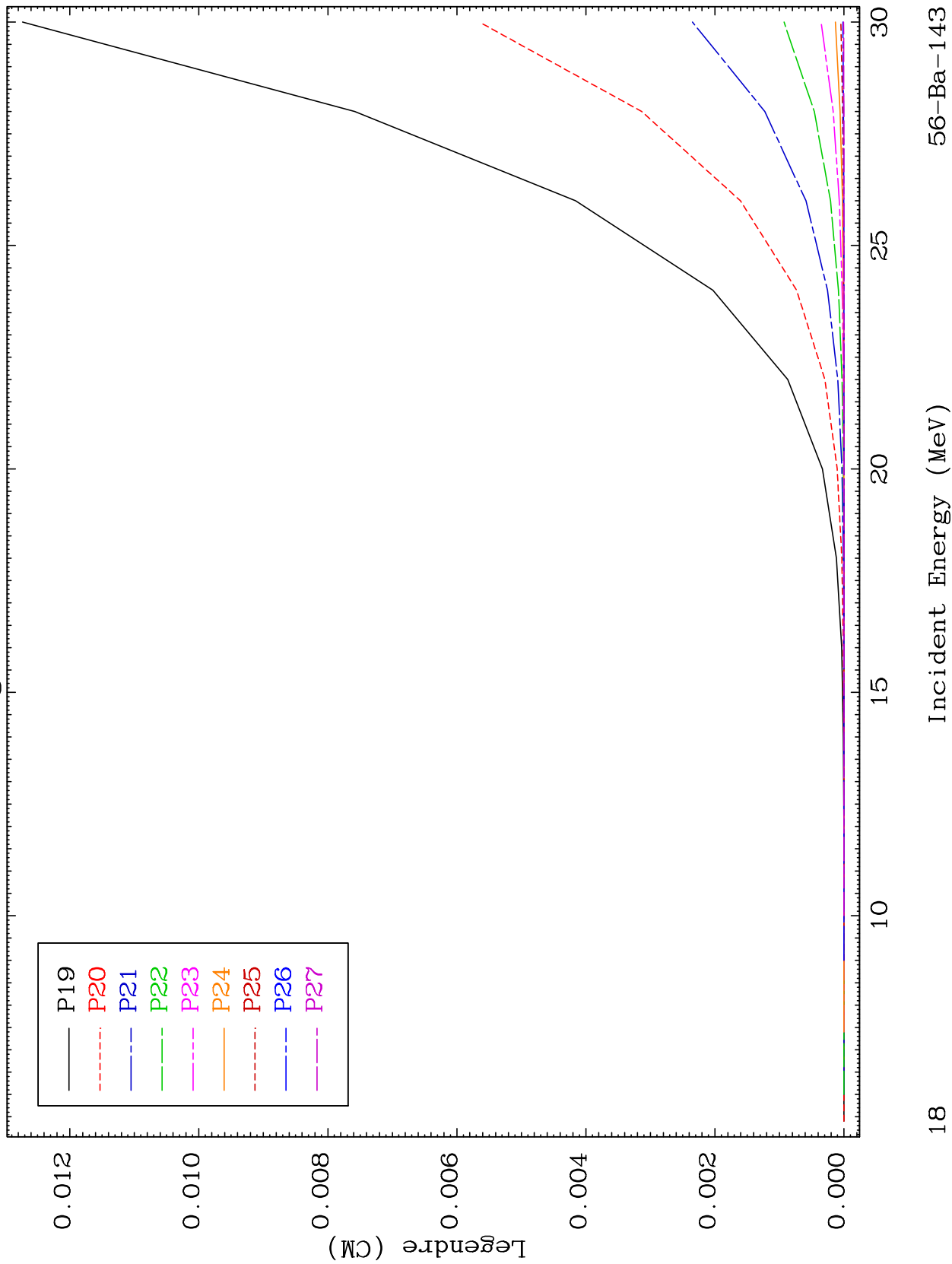
17

56-Ba-143

MAT 5664

### Elastic Legendre Coefficients

56-Ba-143



18

Incident Energy (MeV)

56-Ba-143

30

25

20

15

10

0.012

0.010

0.008

0.006

0.004

0.002

0.000

P19

P20

P21

P22

P23

P24

P25

P26

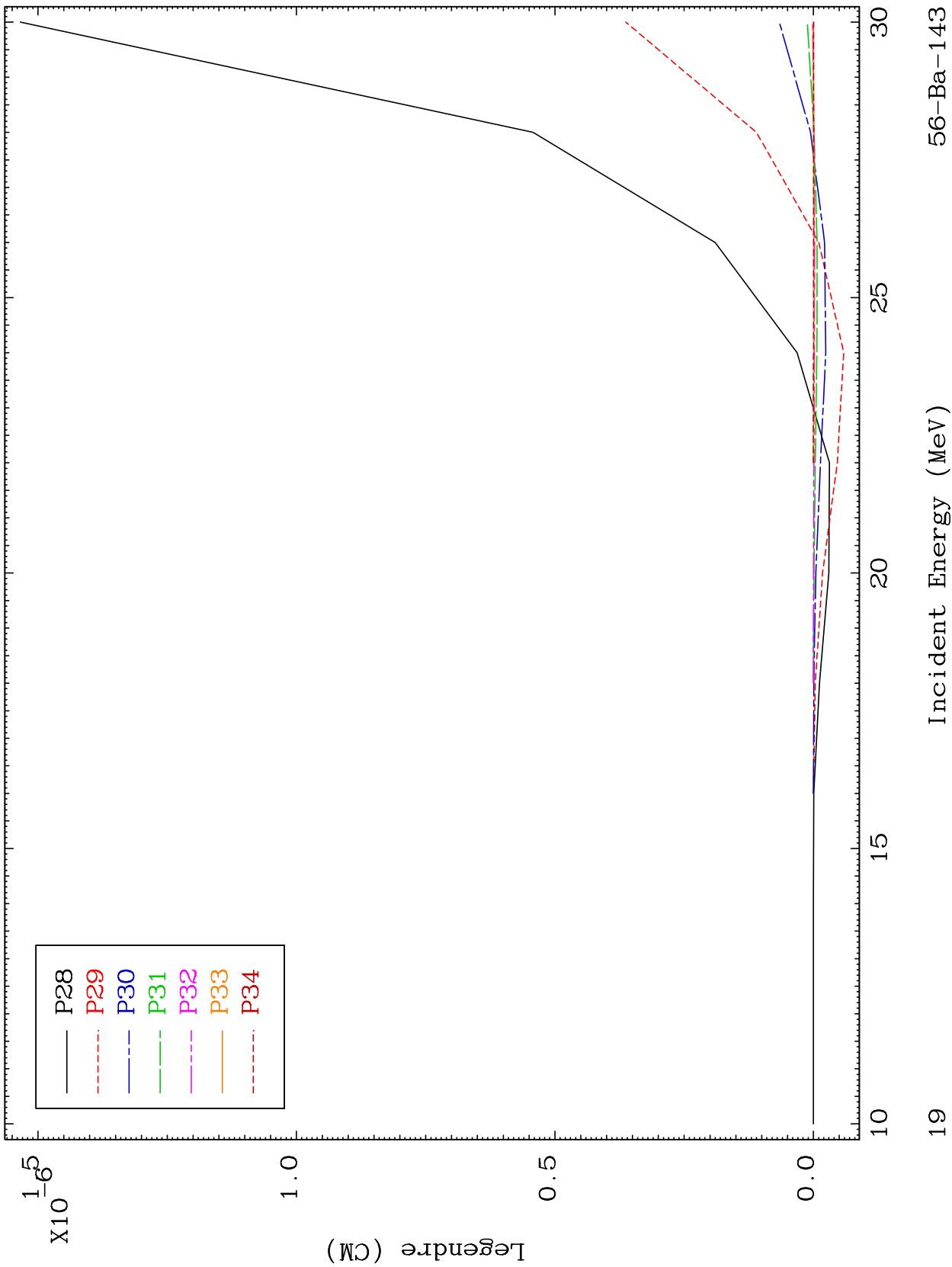
P27

Legendre (CM)

MAT 5664

Elastic Legendre Coefficients

56-Ba-143



56-Ba-143

Incident Energy (MeV)

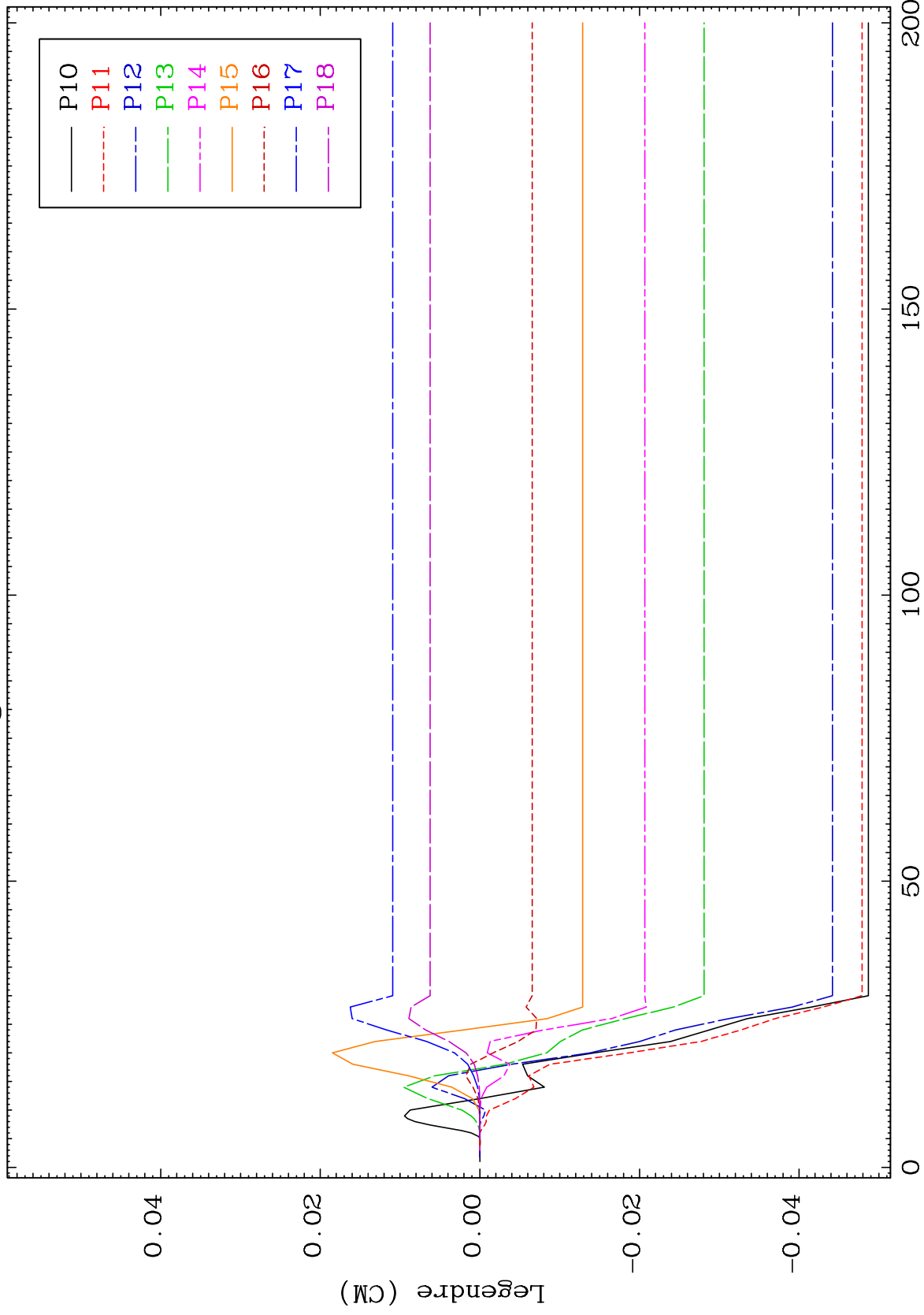
19



MAT 5664

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

56-Ba-143



21

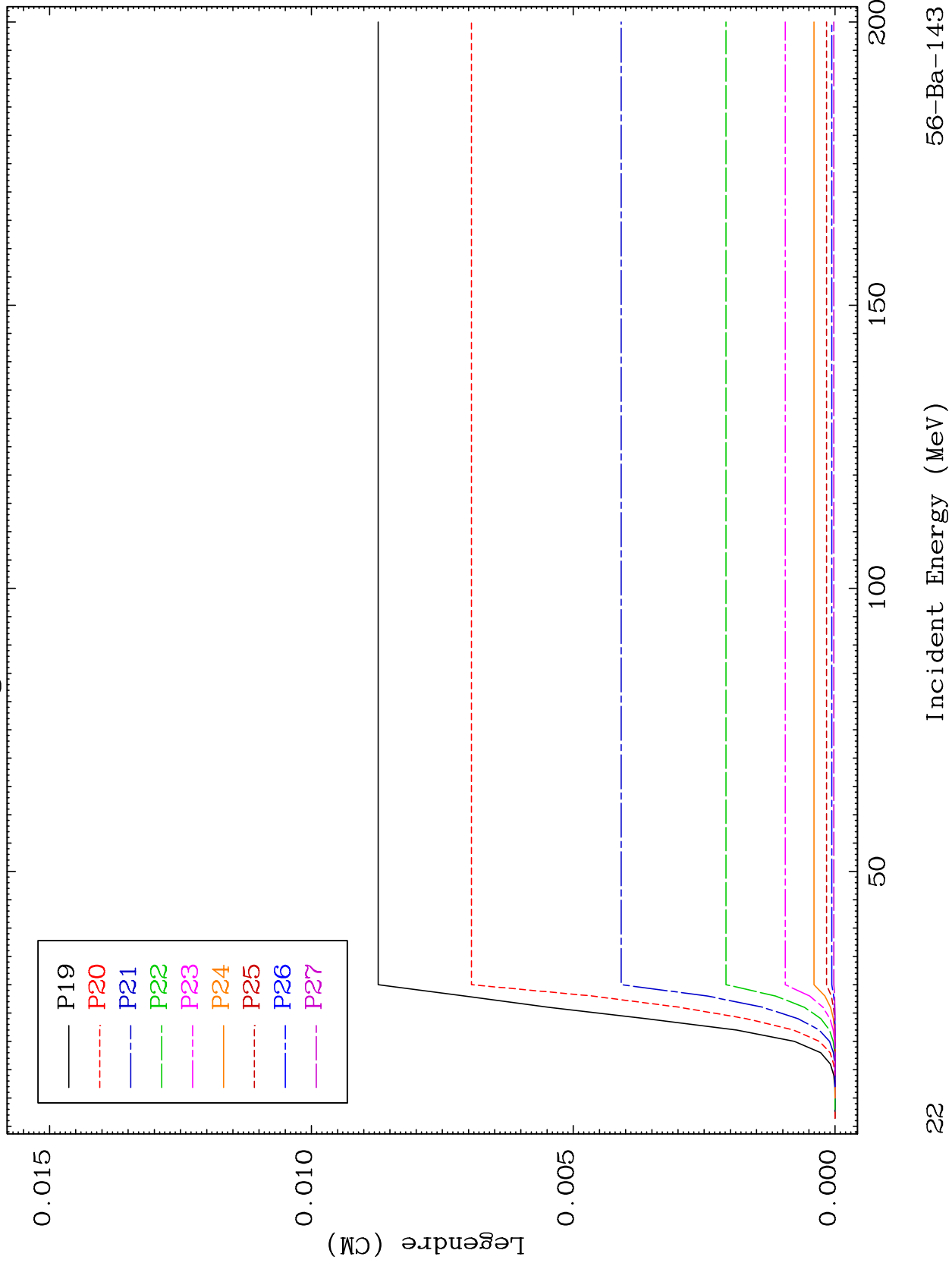
Incident Energy (MeV)

56-Ba-143

MAT 5664

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

56-Ba-143



22

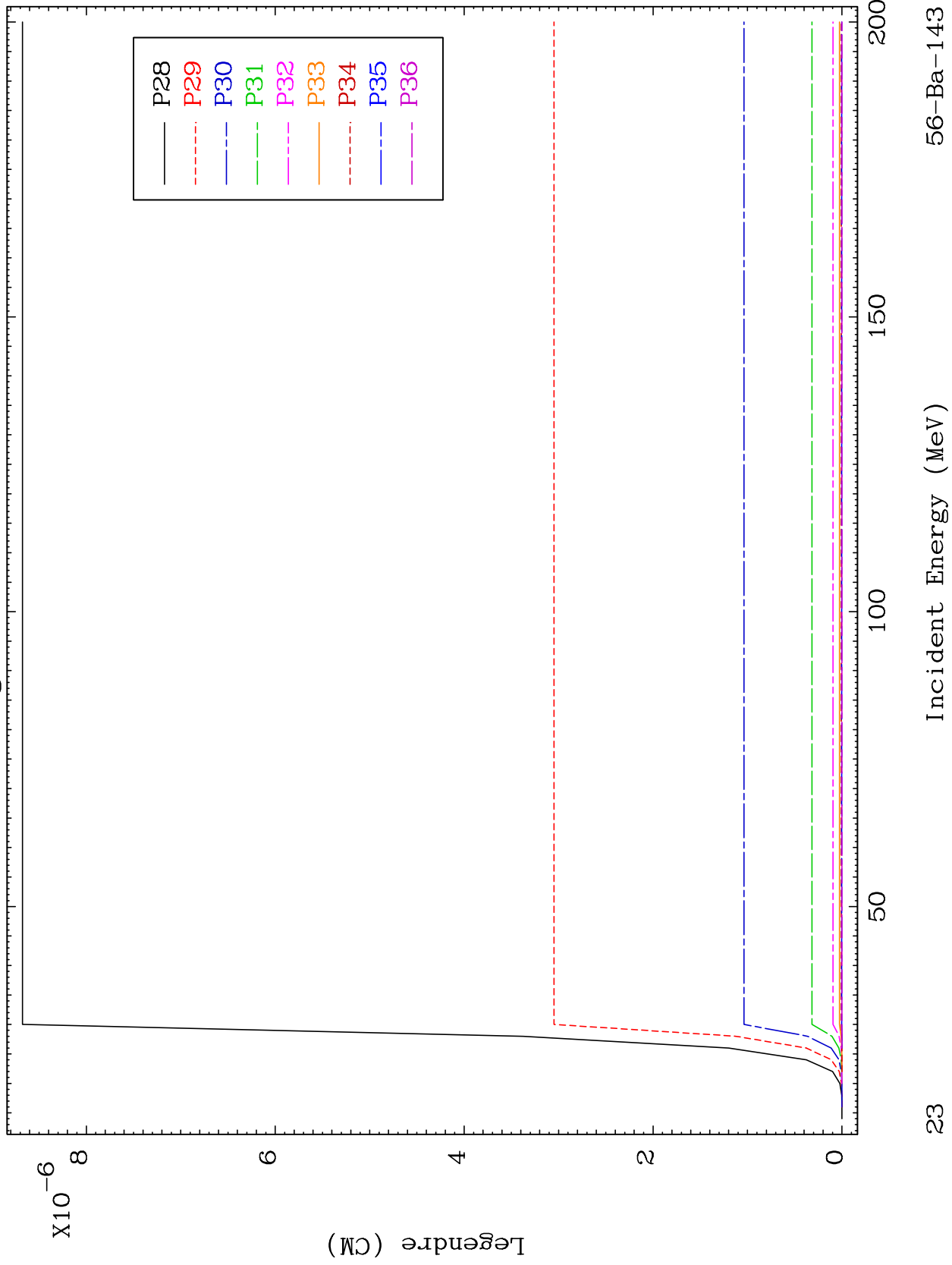
Incident Energy (MeV)

56-Ba-143

MAT 5664

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

56-Ba-143



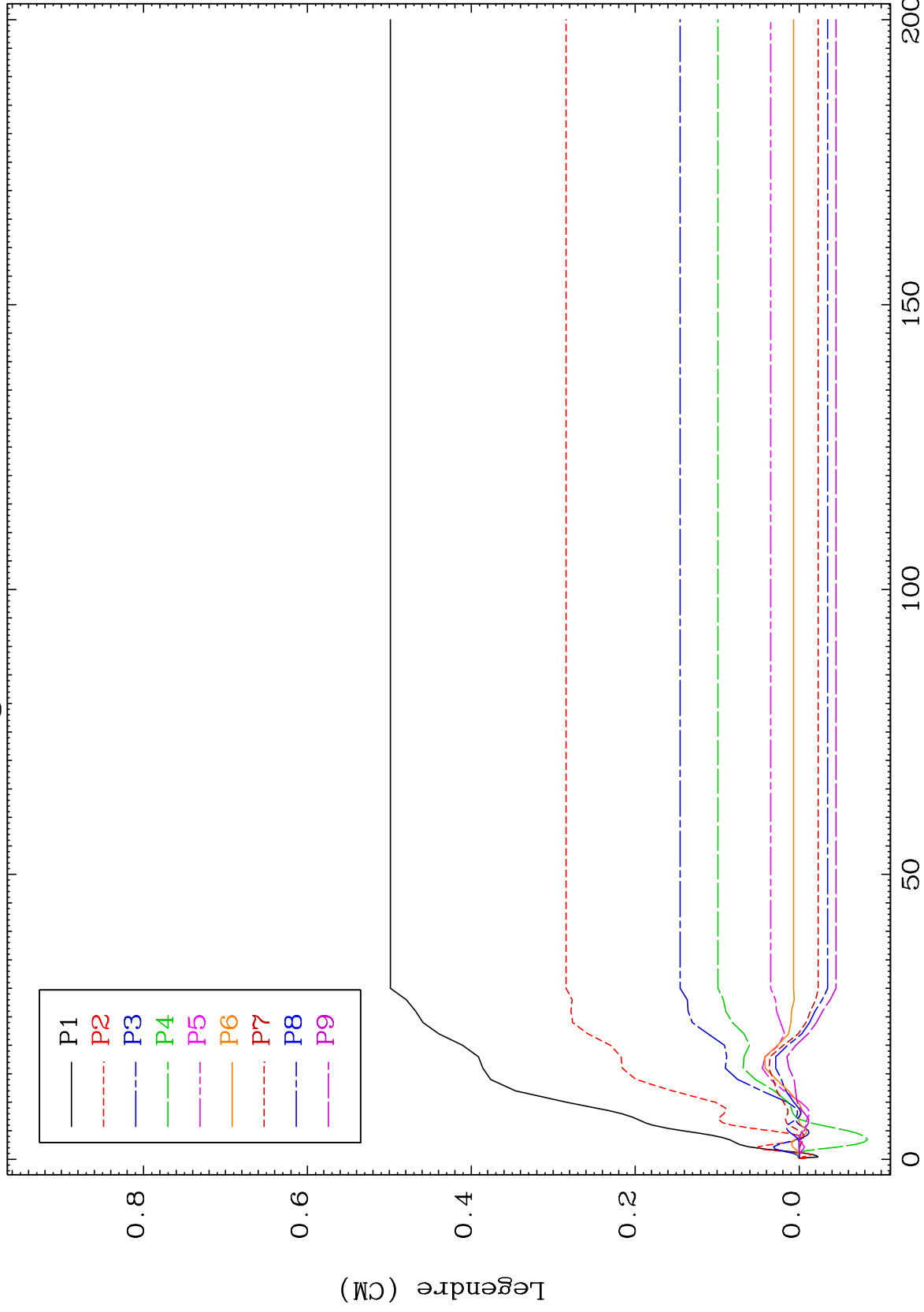
23

56-Ba-143

MAT 5664

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

56-Ba-143



24

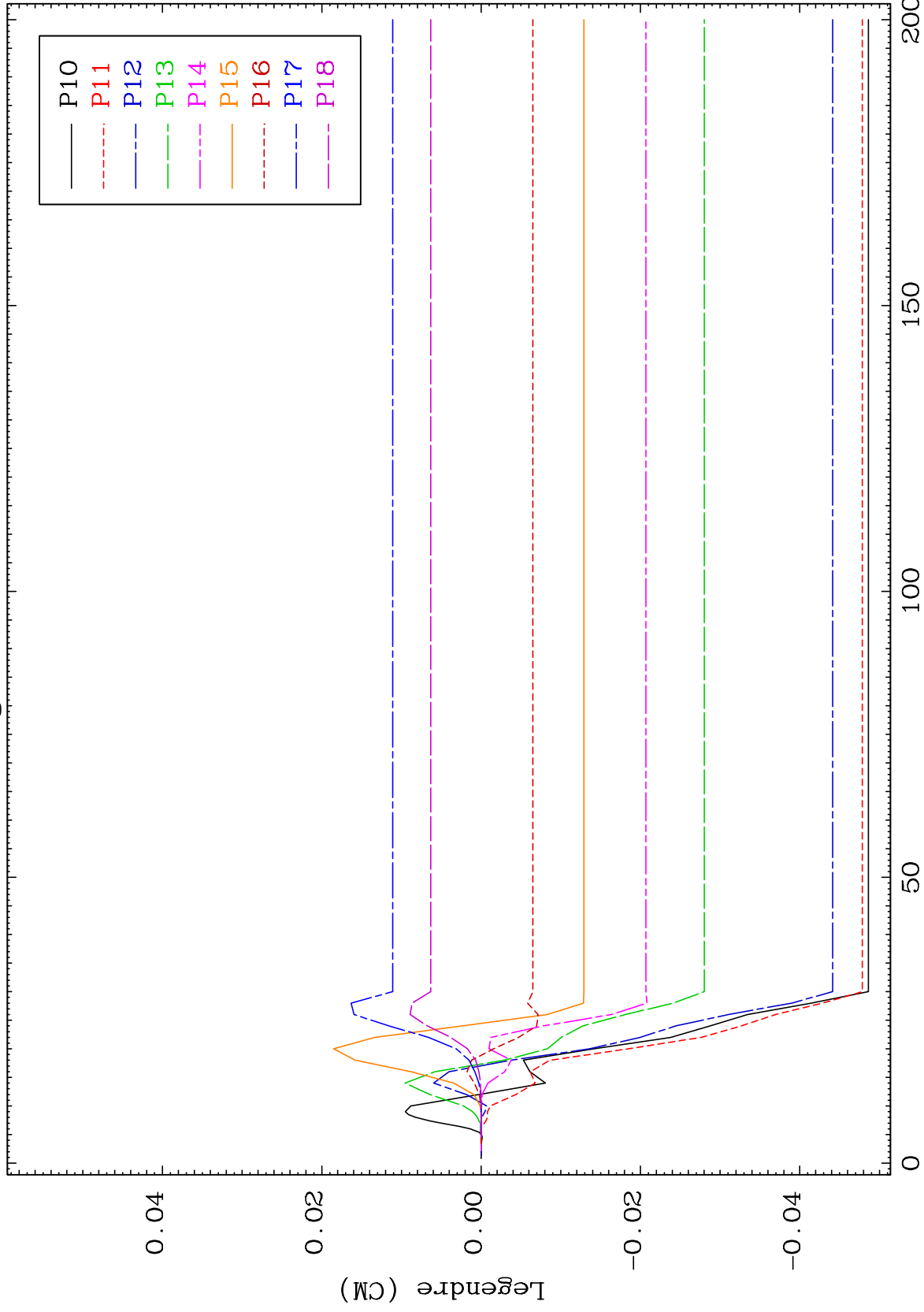
Incident Energy (MeV)

56-Ba-143

MAT 5664

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

56-Ba-143



56-Ba-143

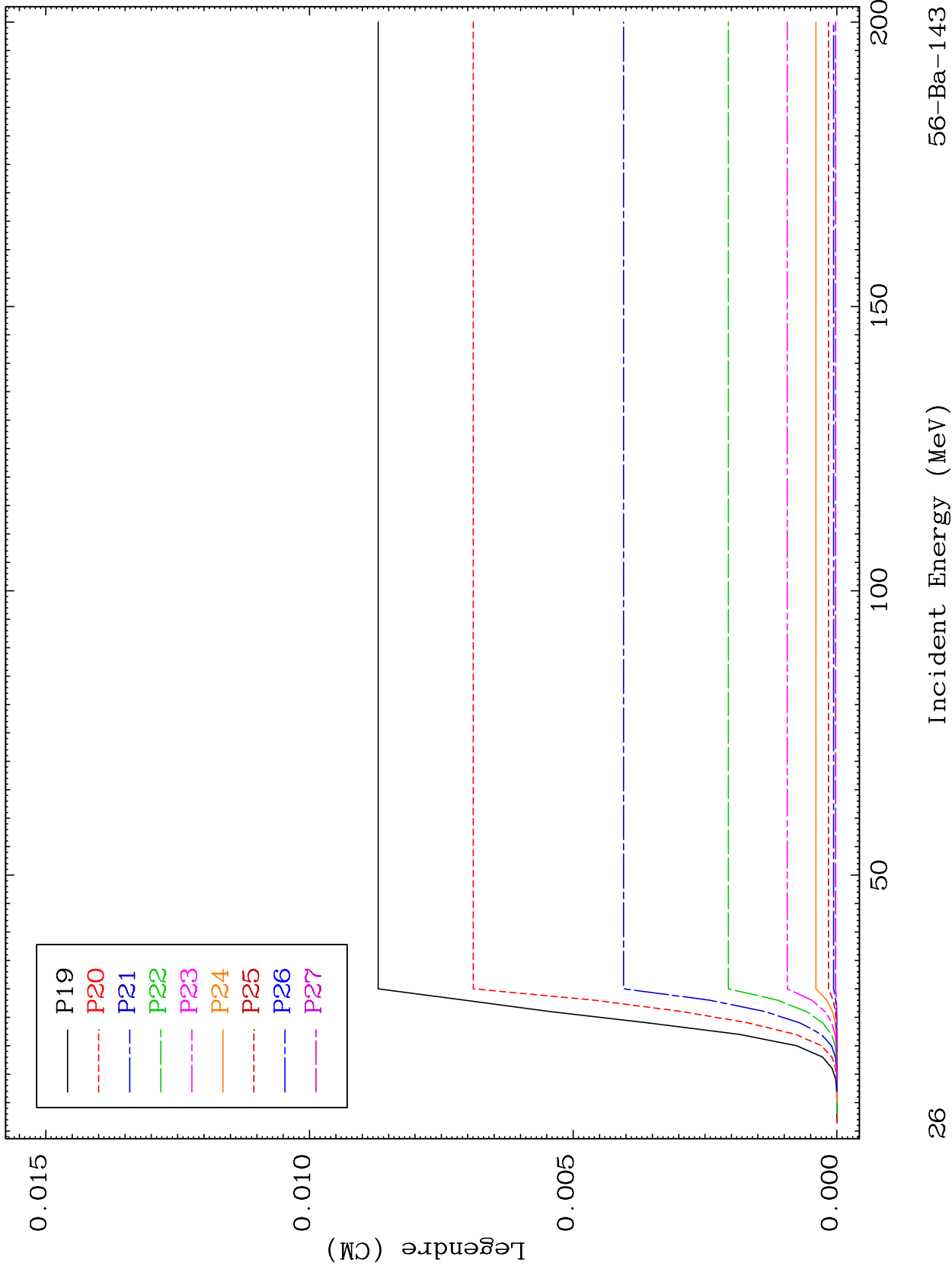
Incident Energy (MeV)

25

MAT 5664

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

56-Ba-143



26

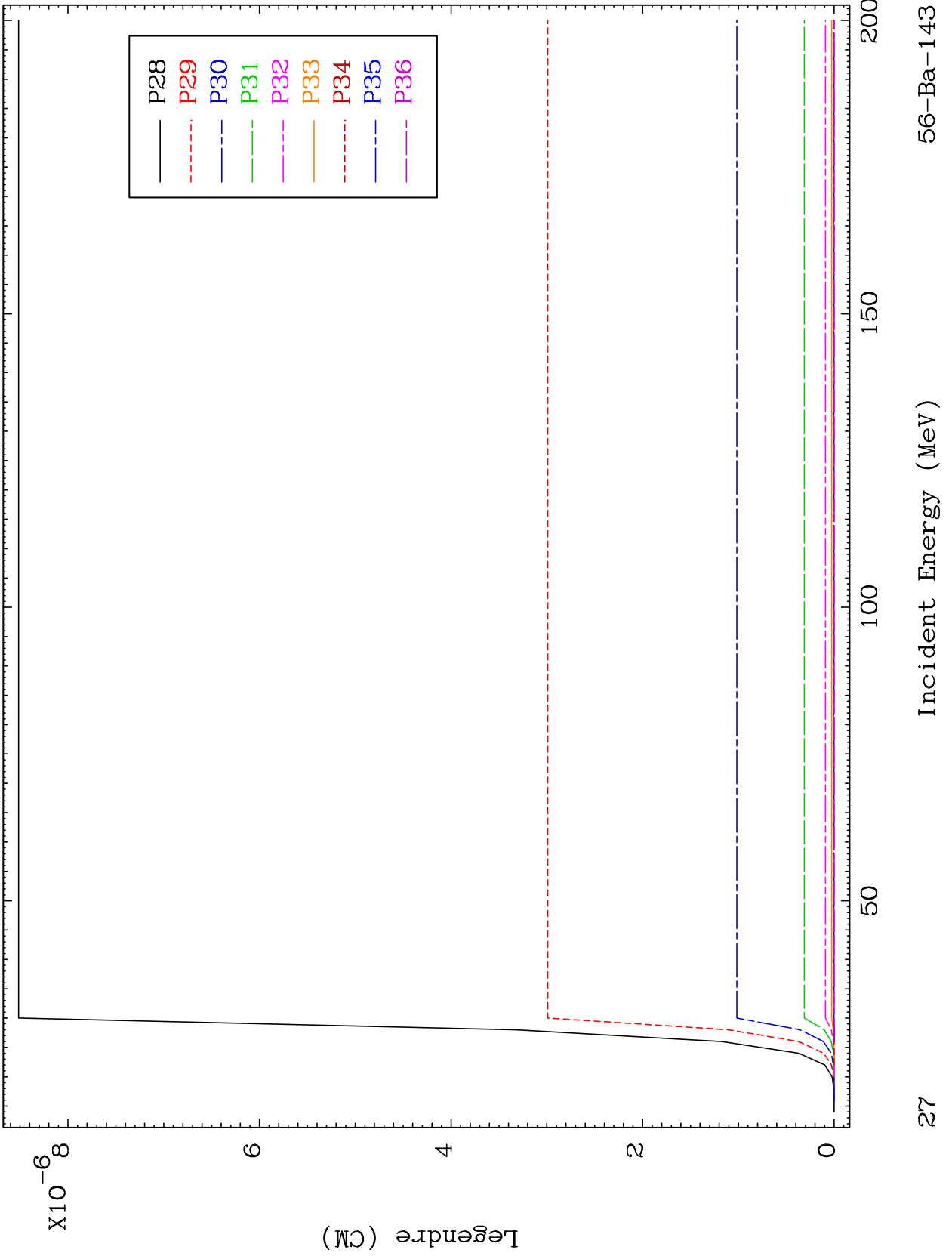
Incident Energy (MeV)

56-Ba-143

MAT 5664

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

56-Ba-143

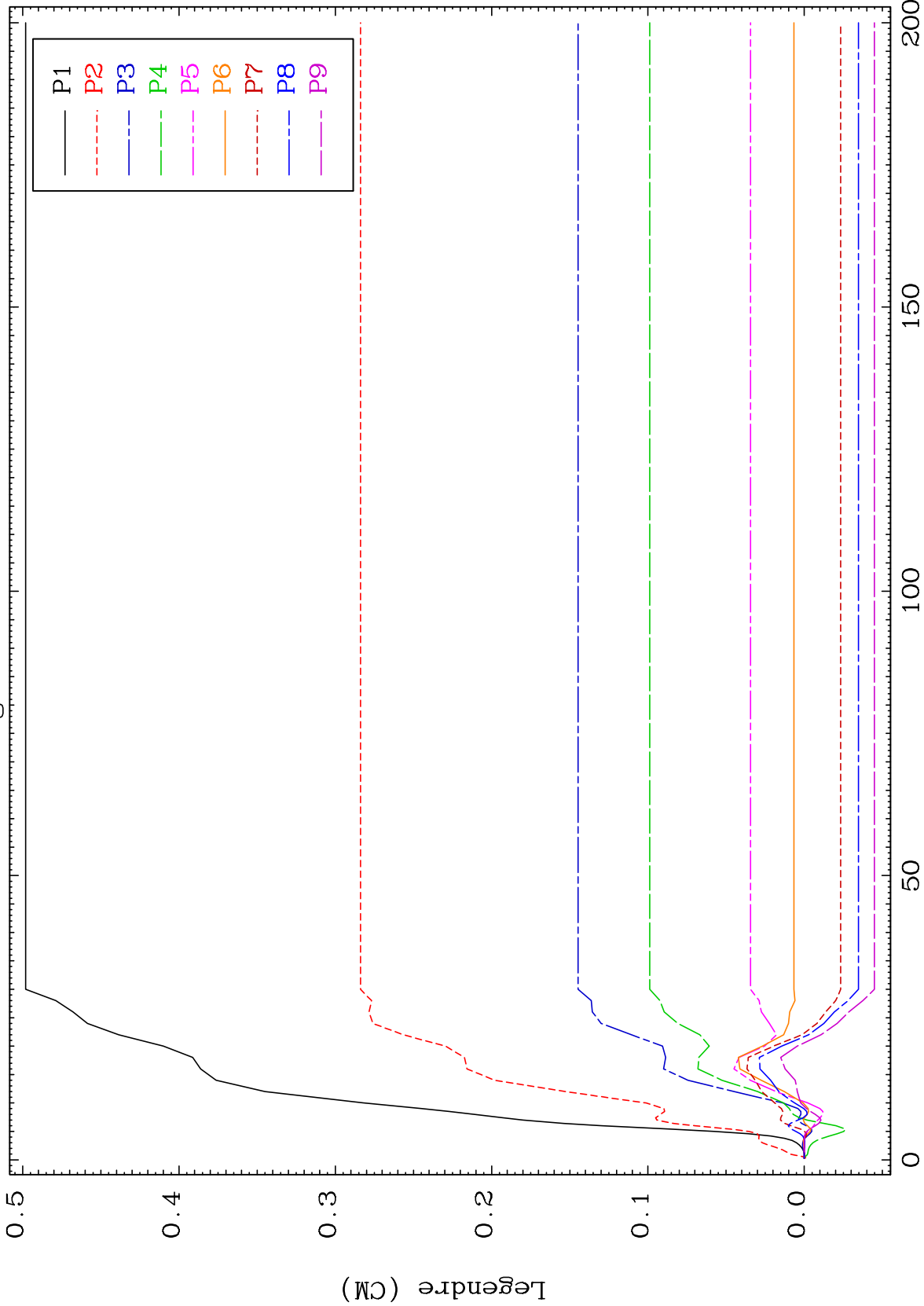


MAT 5664

MT= 53 (n,n') Level

56-Ba-143

Legendre Coefficients



28

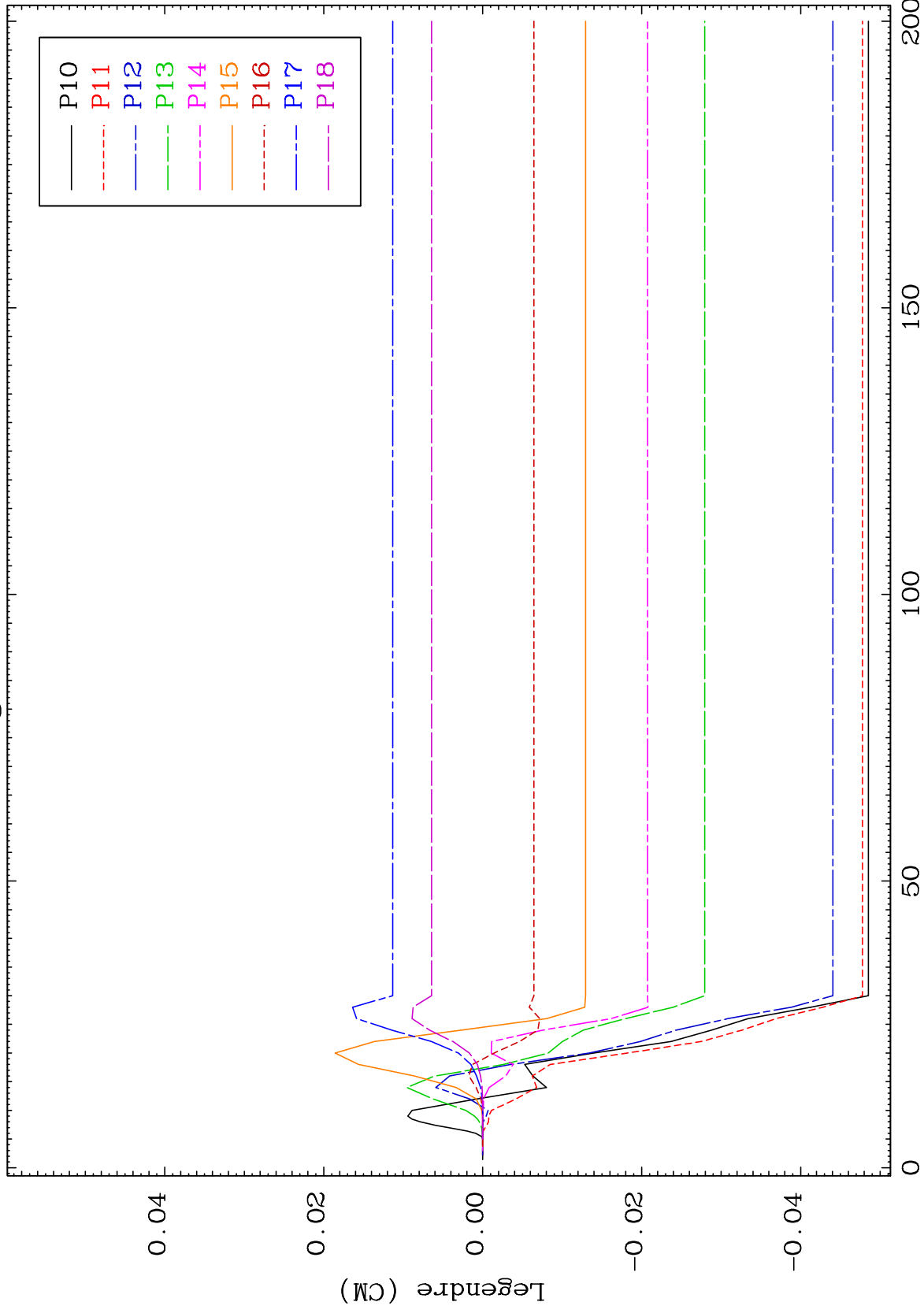
Incident Energy (MeV)

56-Ba-143

MAT 5664

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

56-Ba-143



29

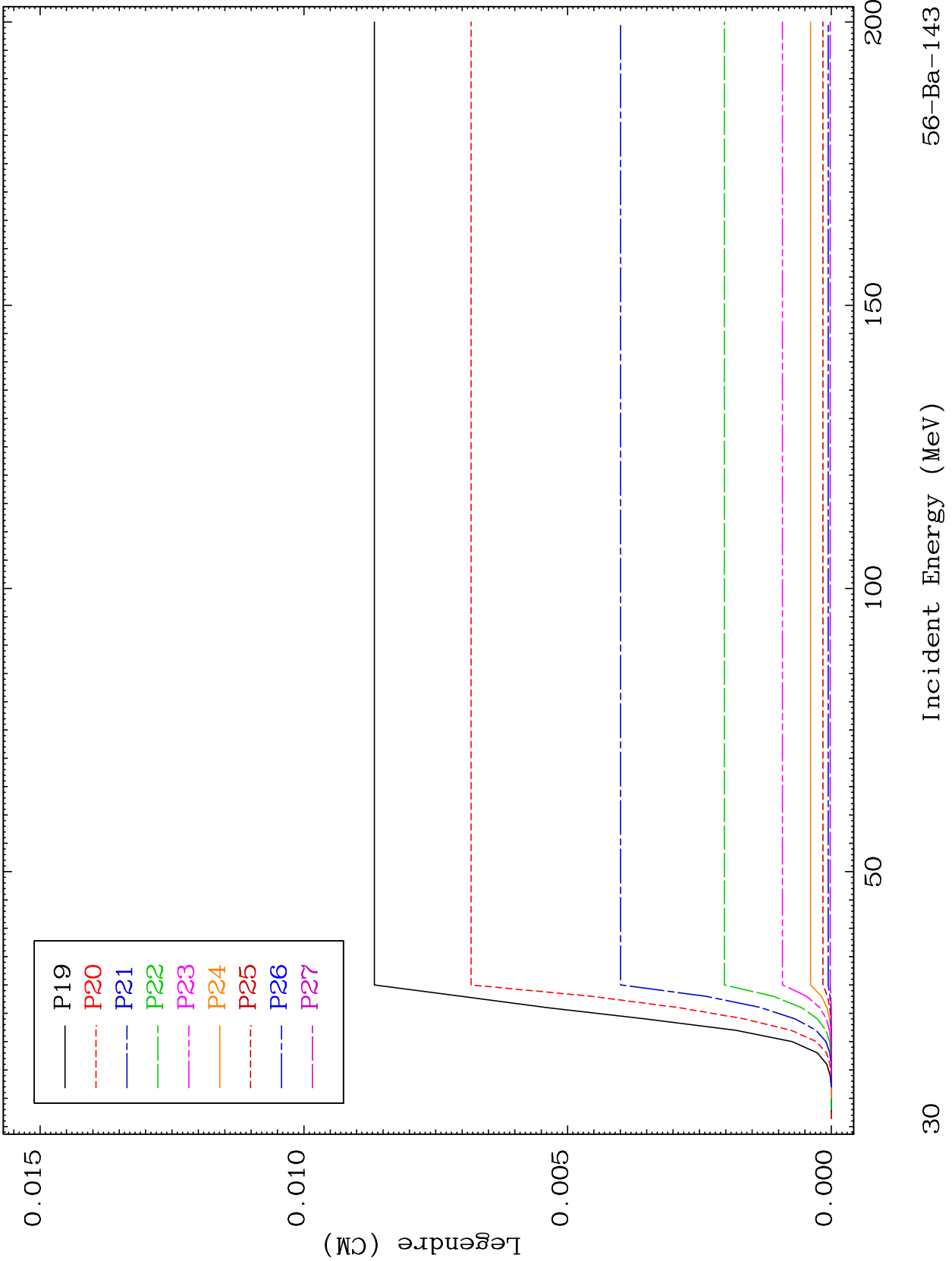
Incident Energy (MeV)

56-Ba-143

MAT 5664

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

56-Ba-143



56-Ba-143

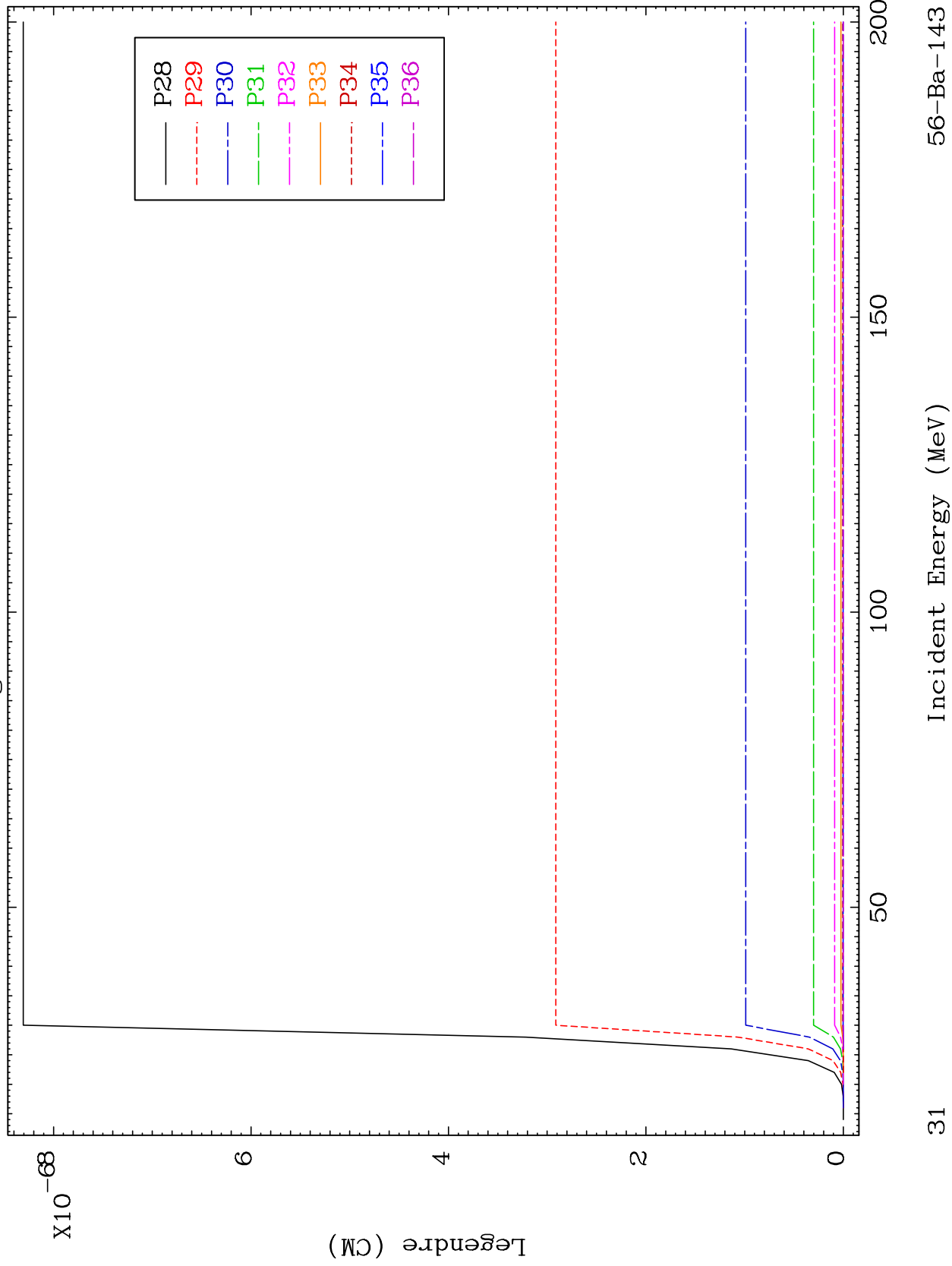
Incident Energy (MeV)

30

MAT 5664

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

56-Ba-143



31

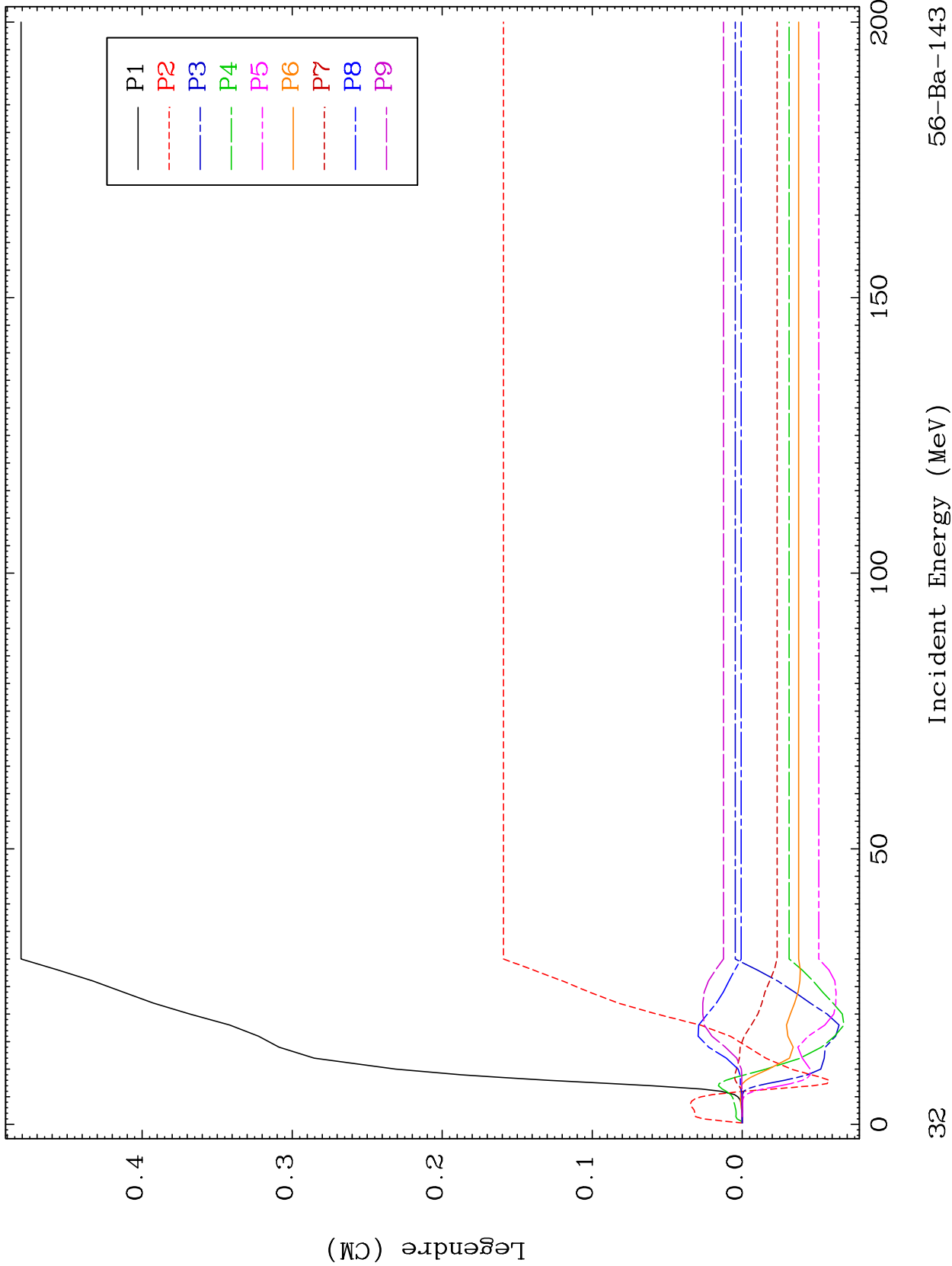
Incident Energy (MeV)

56-Ba-143

MAT 5664

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

56-Ba-143



32

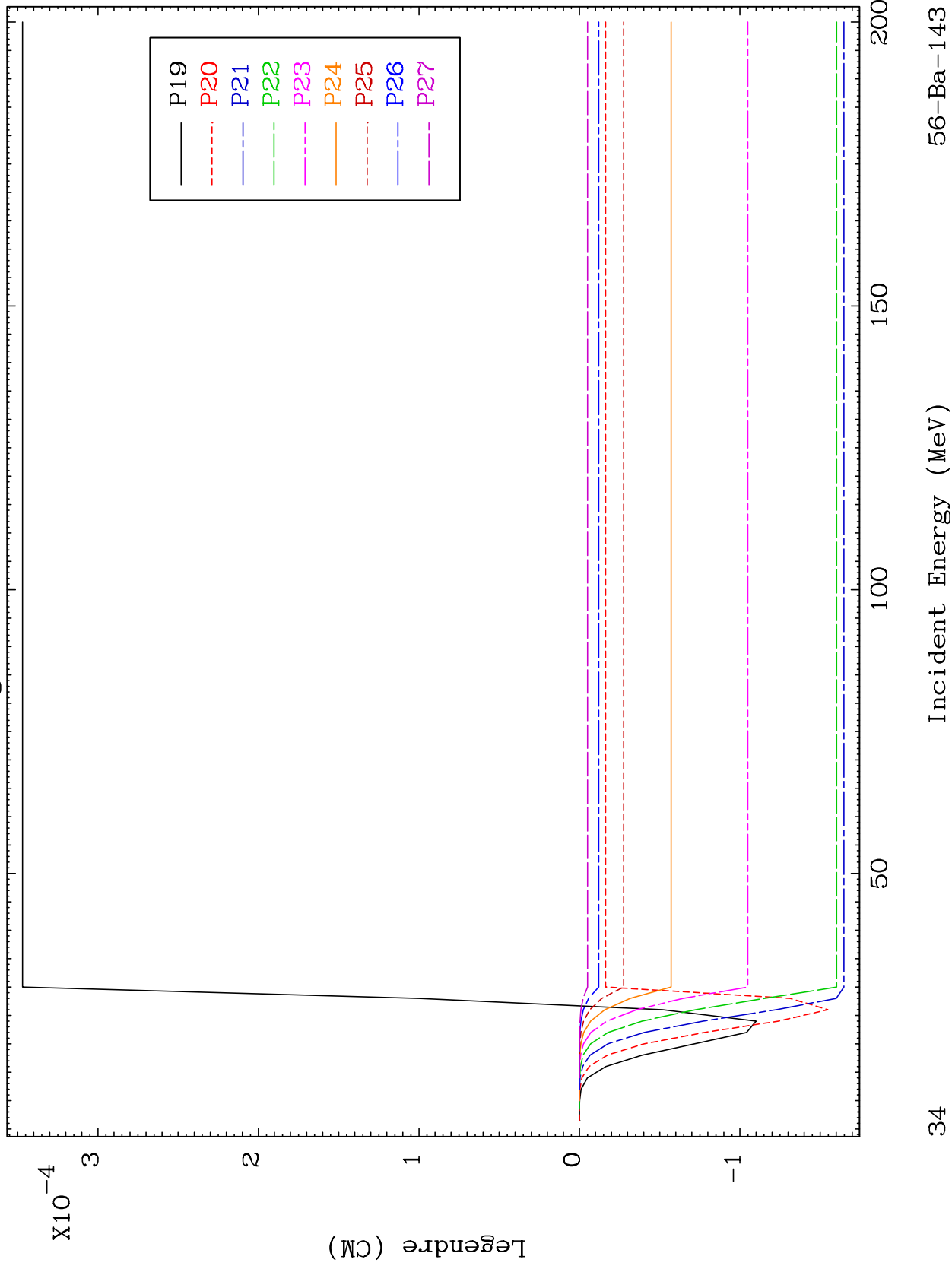
56-Ba-143



MAT 5664

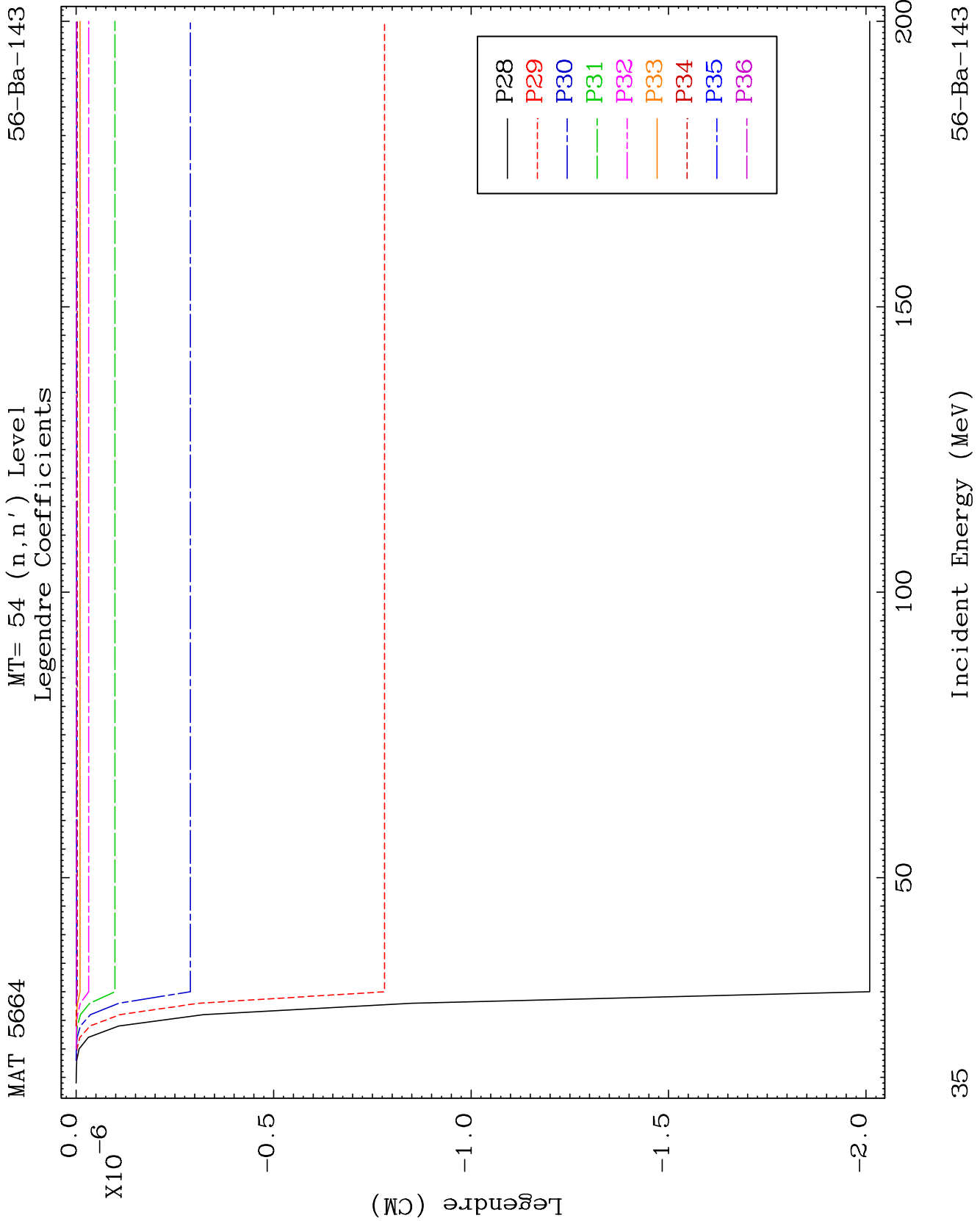
MT= 54 (n,n') Level  
Legendre Coefficients

56-Ba-143



34

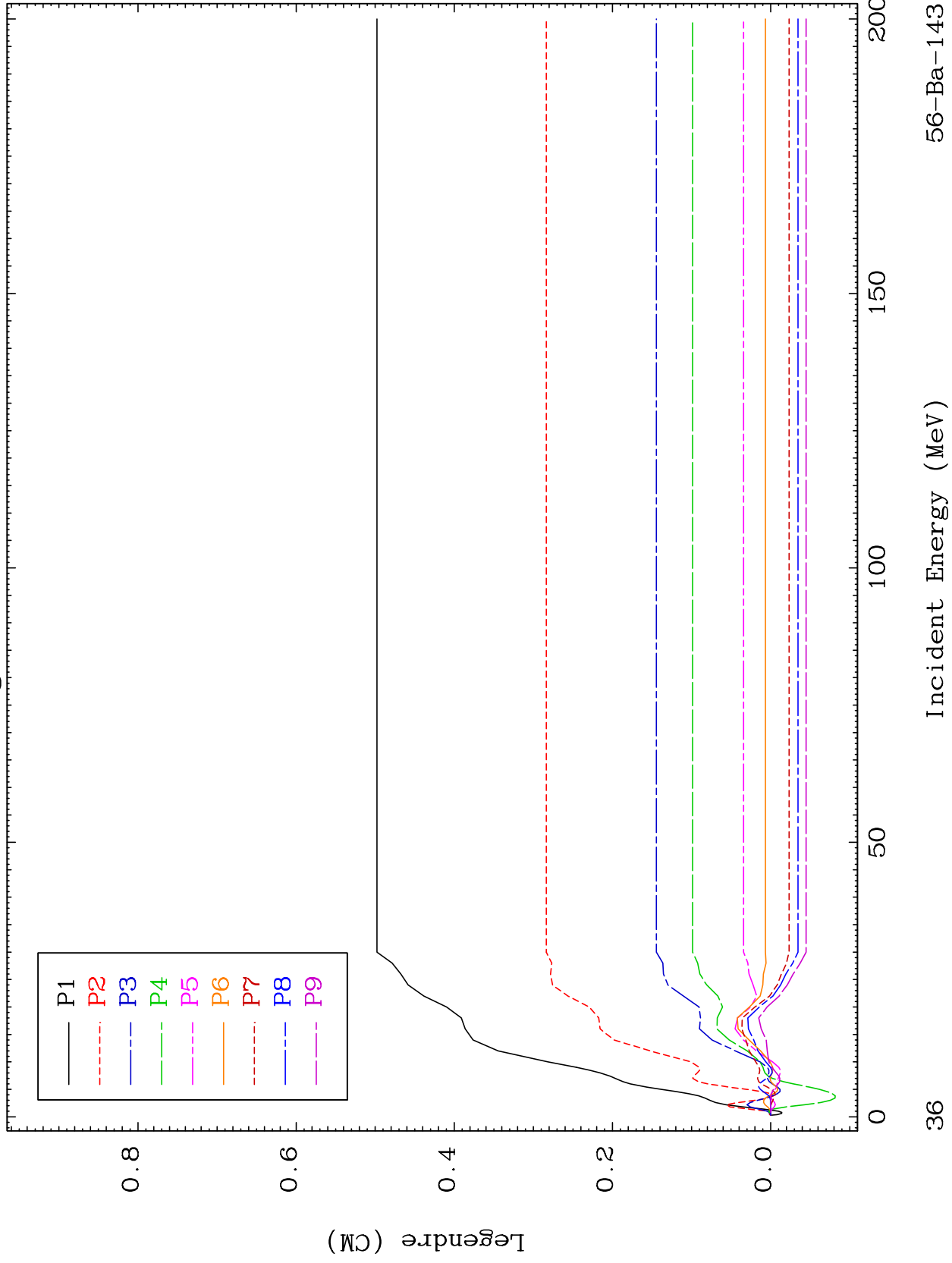
56-Ba-143



MAT 5664

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

56-Ba-143



36

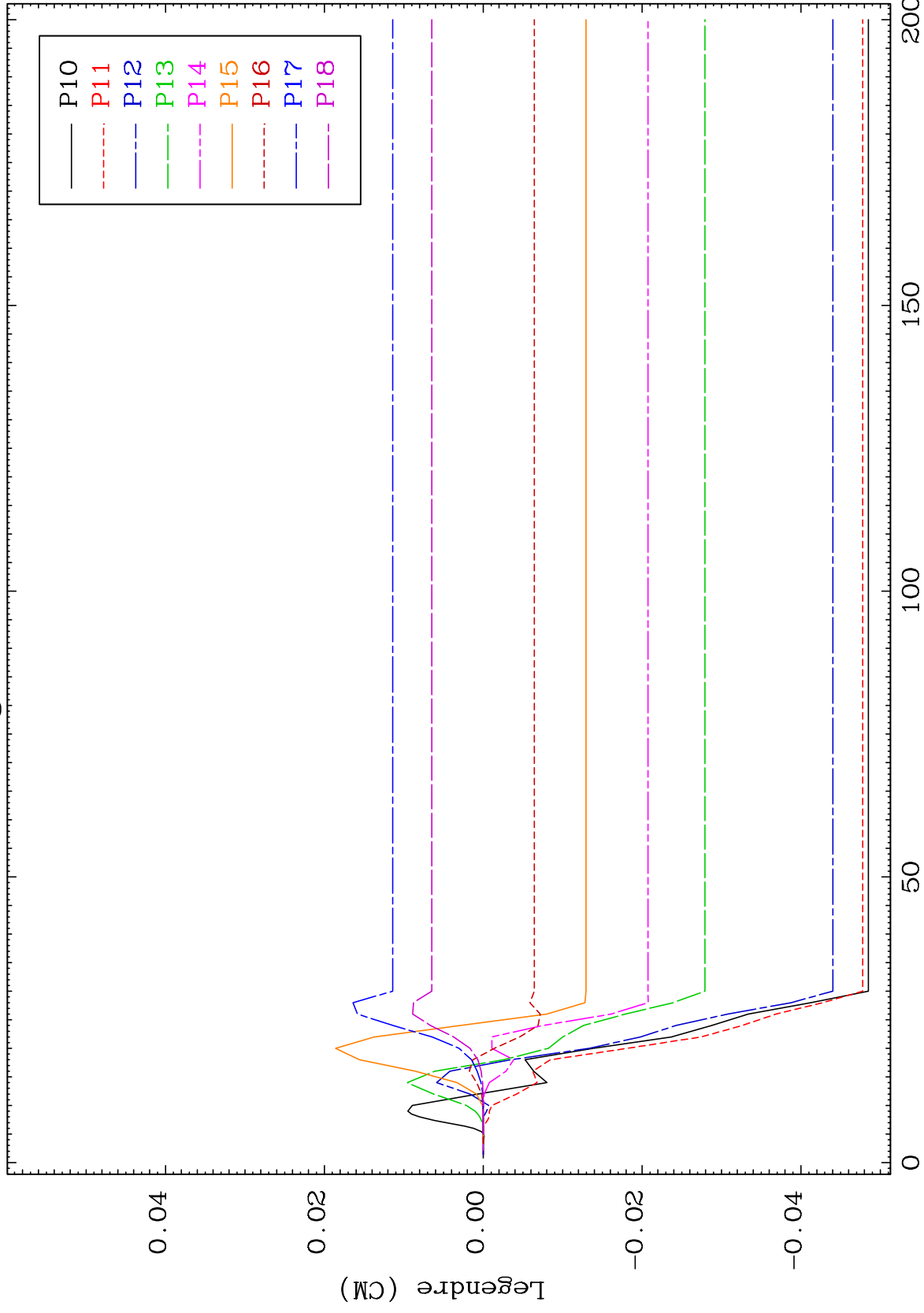
Incident Energy (MeV)

56-Ba-143

MAT 5664

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

56-Ba-143



37

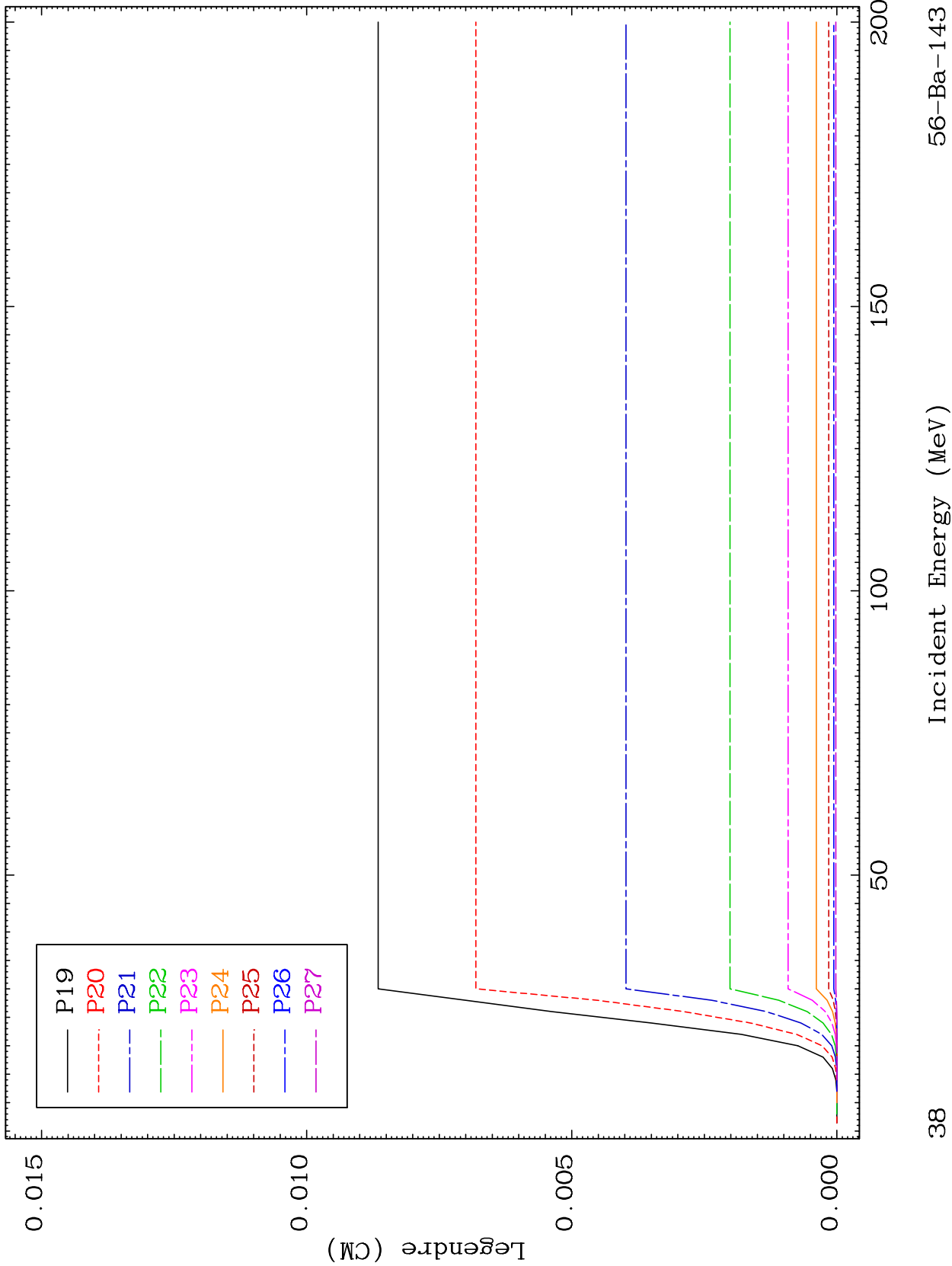
Incident Energy (MeV)

56-Ba-143

MAT 5664

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

56-Ba-143



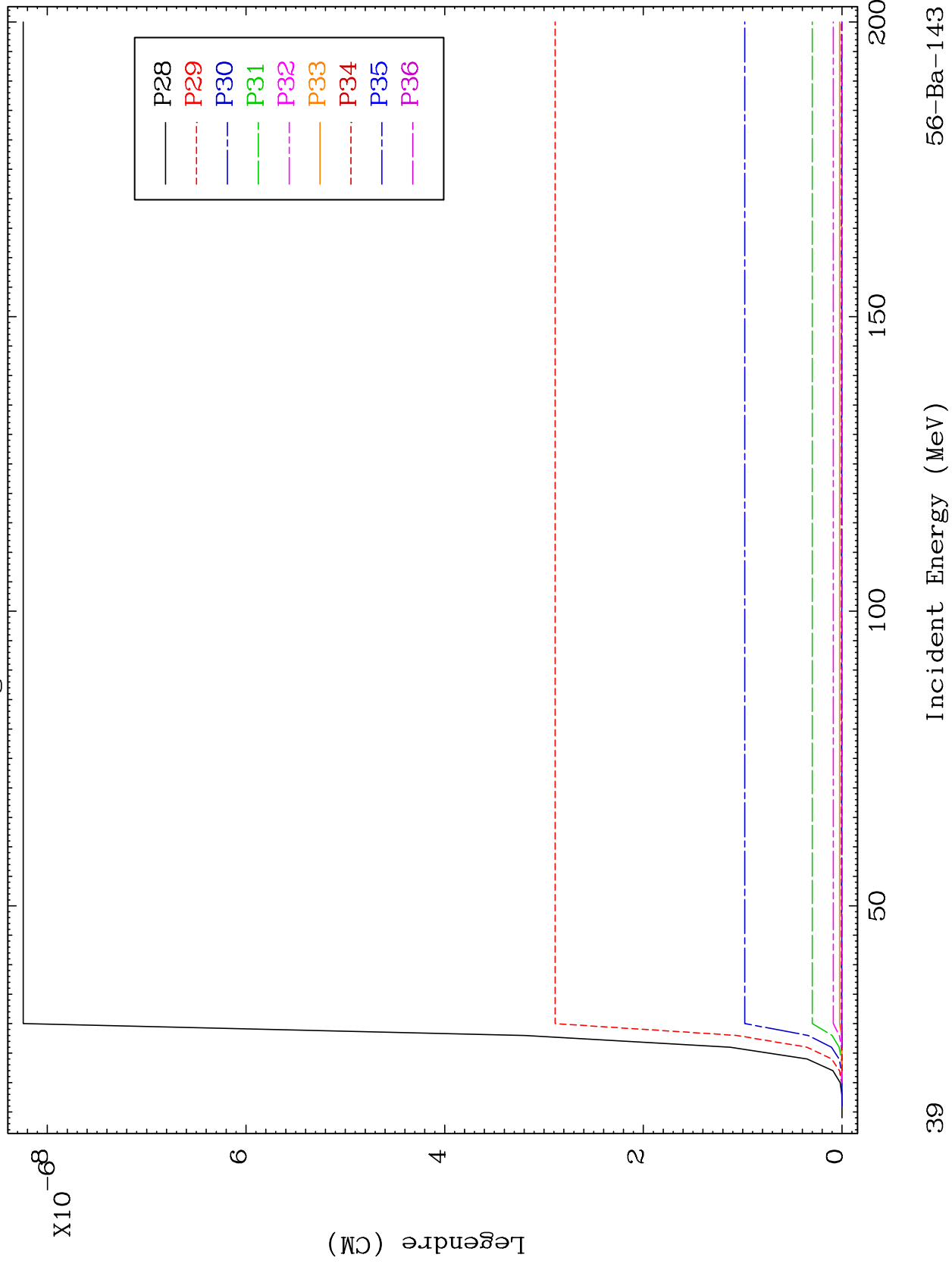
38

56-Ba-143

MAT 5664

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

56-Ba-143



39

Incident Energy (MeV)

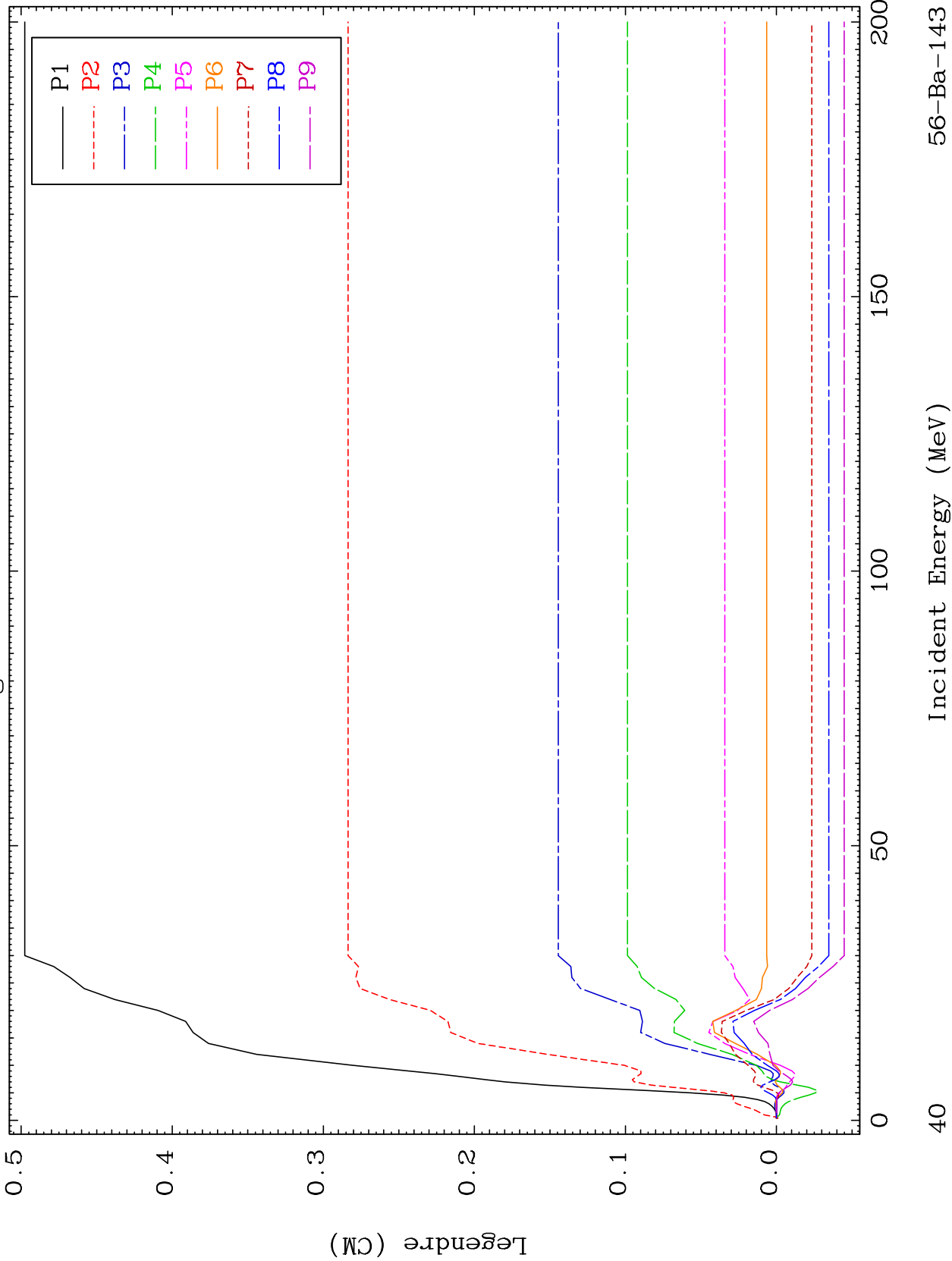
56-Ba-143

MAT 5664

MT= 56 (n,n') Level

56-Ba-143

Legendre Coefficients

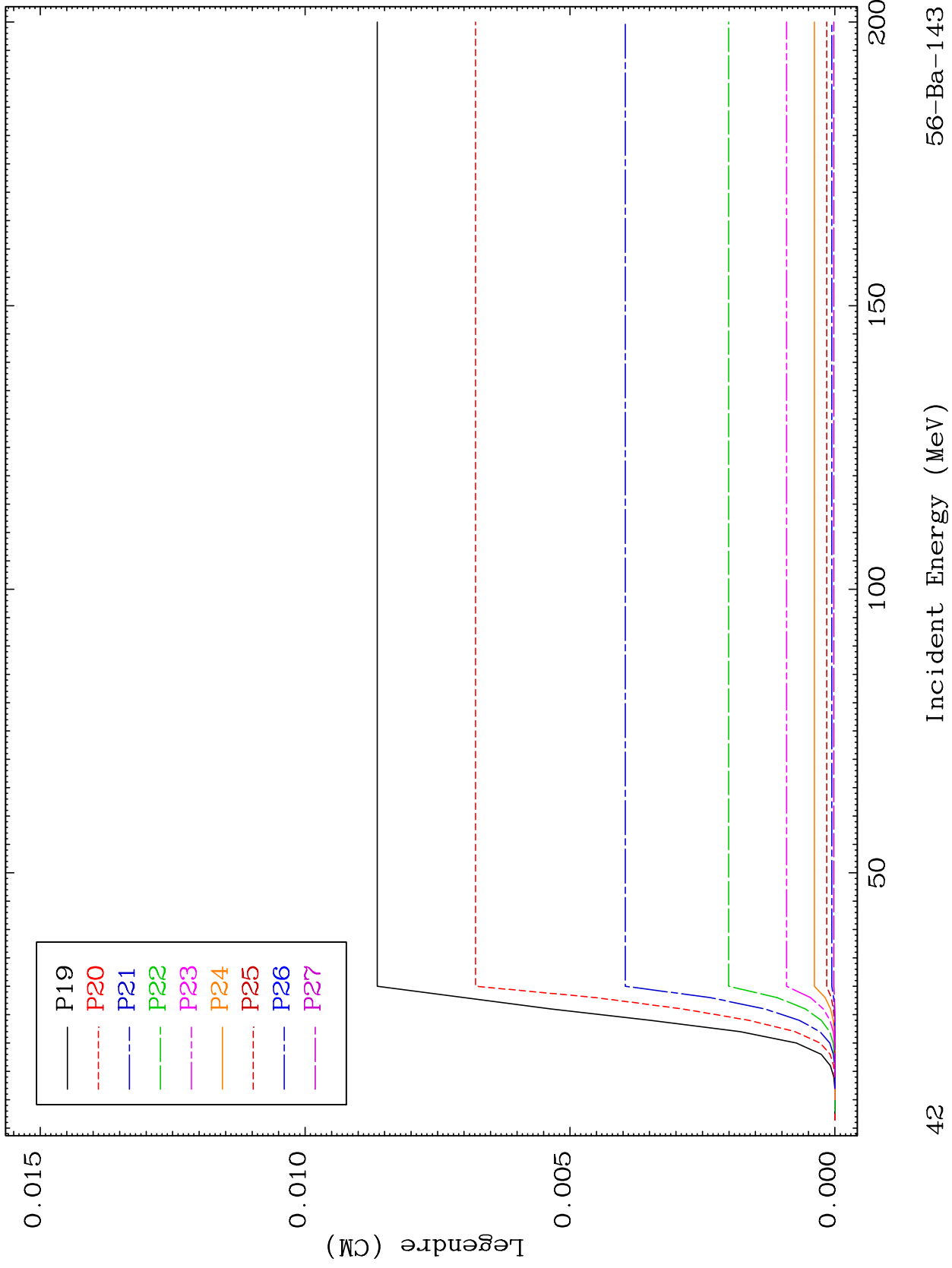




MAT 5664

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

56-Ba-143



42

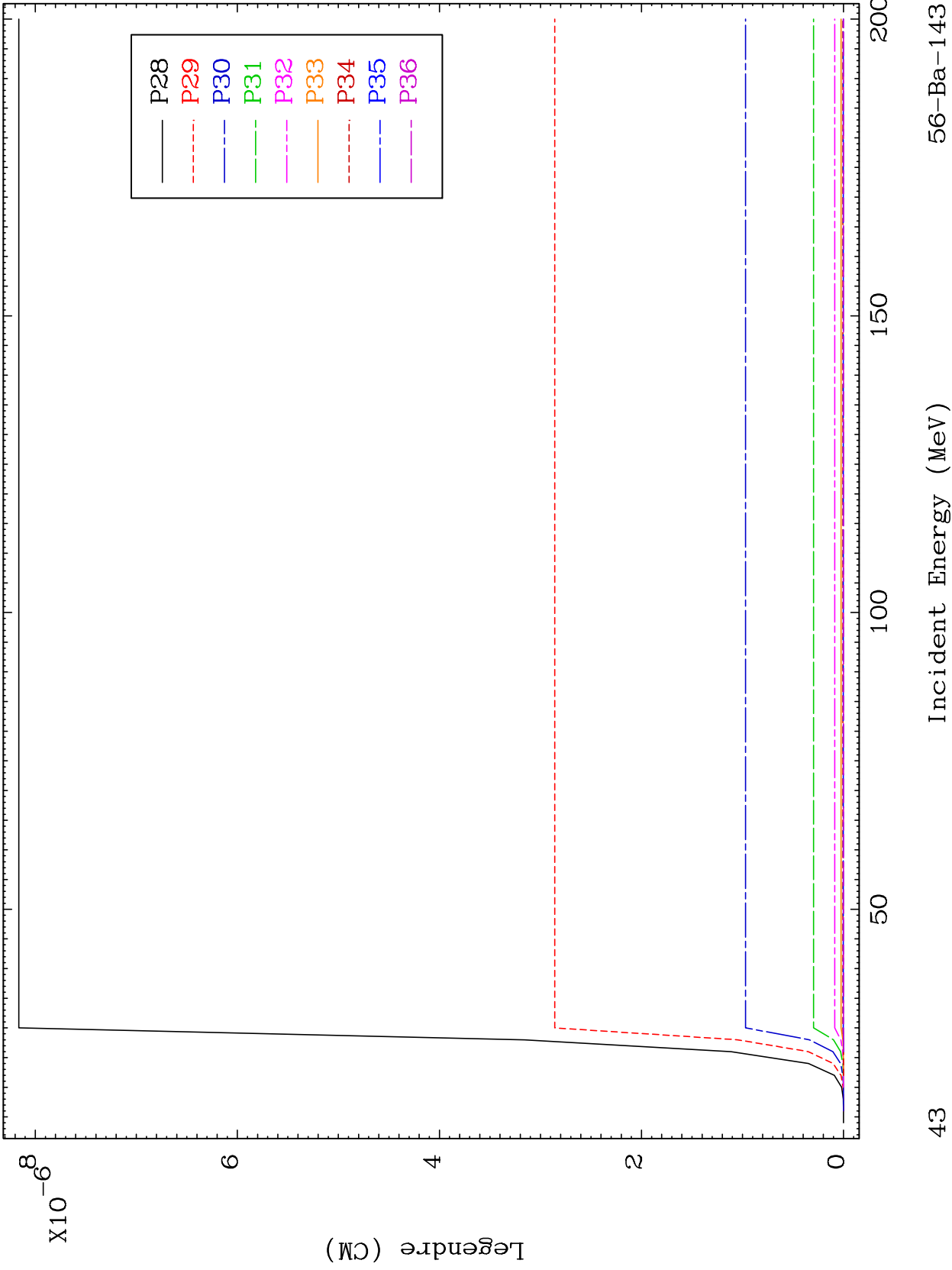
56-Ba-143

Incident Energy (MeV)

MAT 5664

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

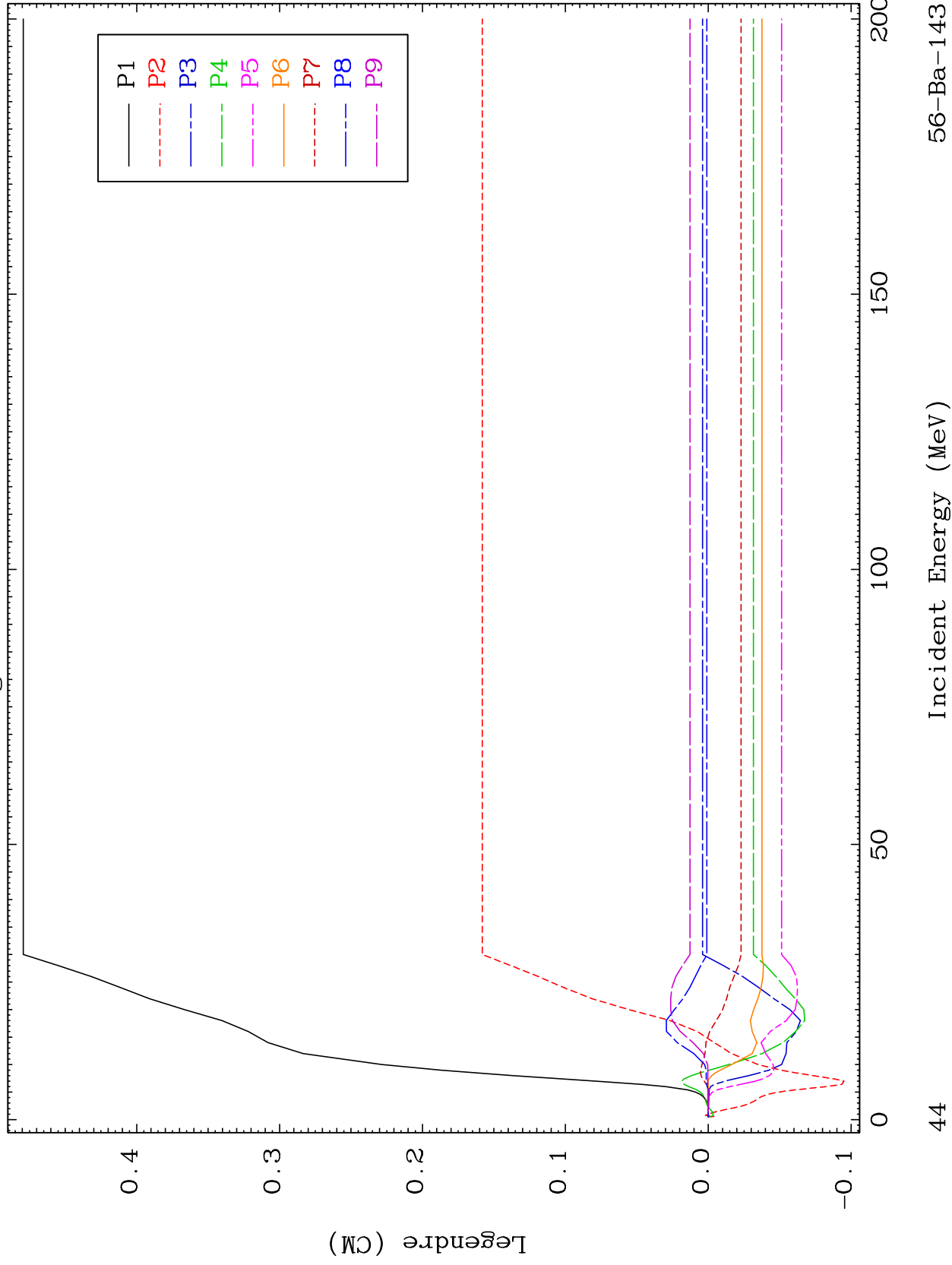
56-Ba-143



MAT 5664

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

56-Ba-143



56-Ba-143

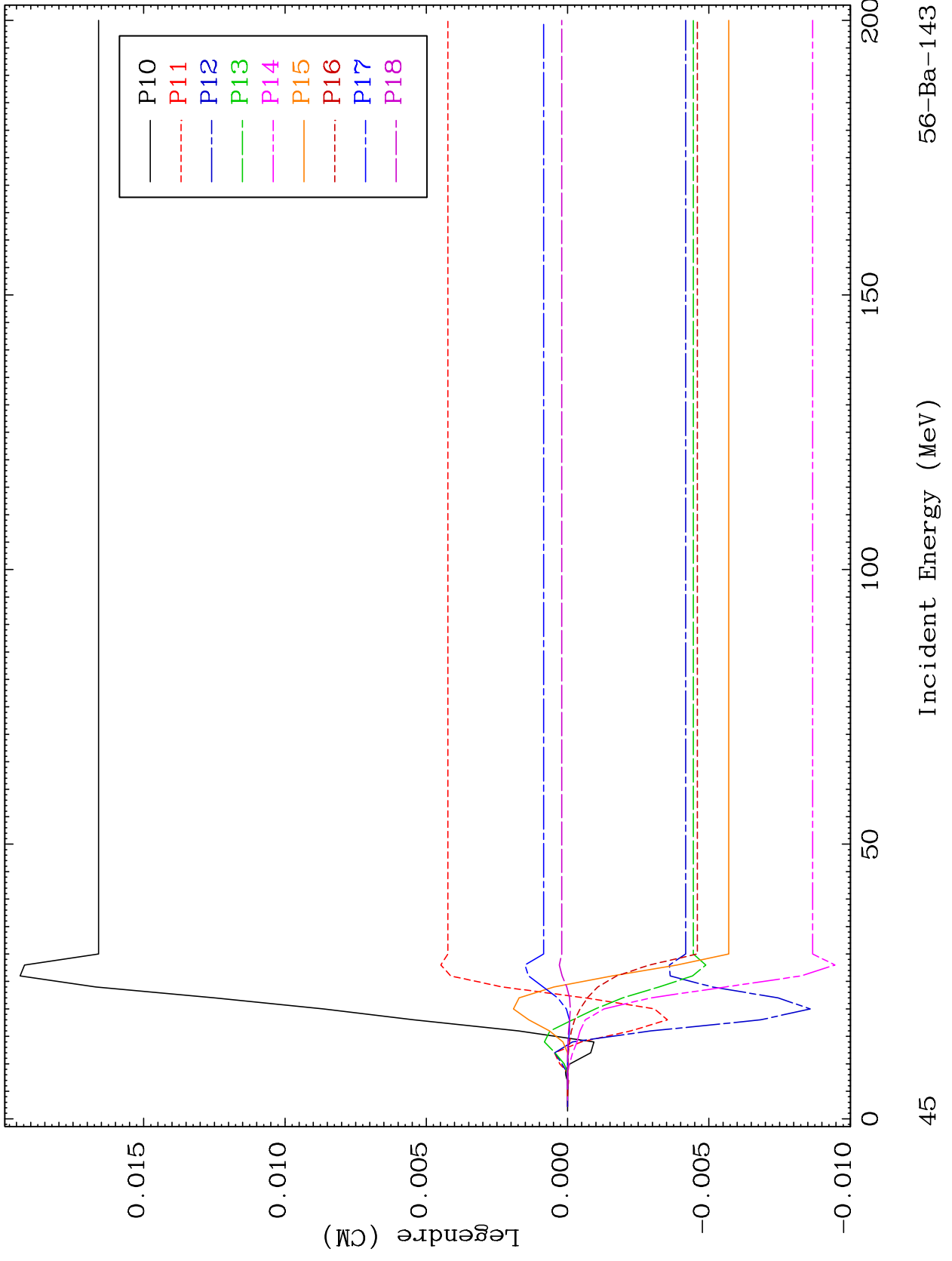
Incident Energy (MeV)

44

MAT 5664

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

56-Ba-143



56-Ba-143

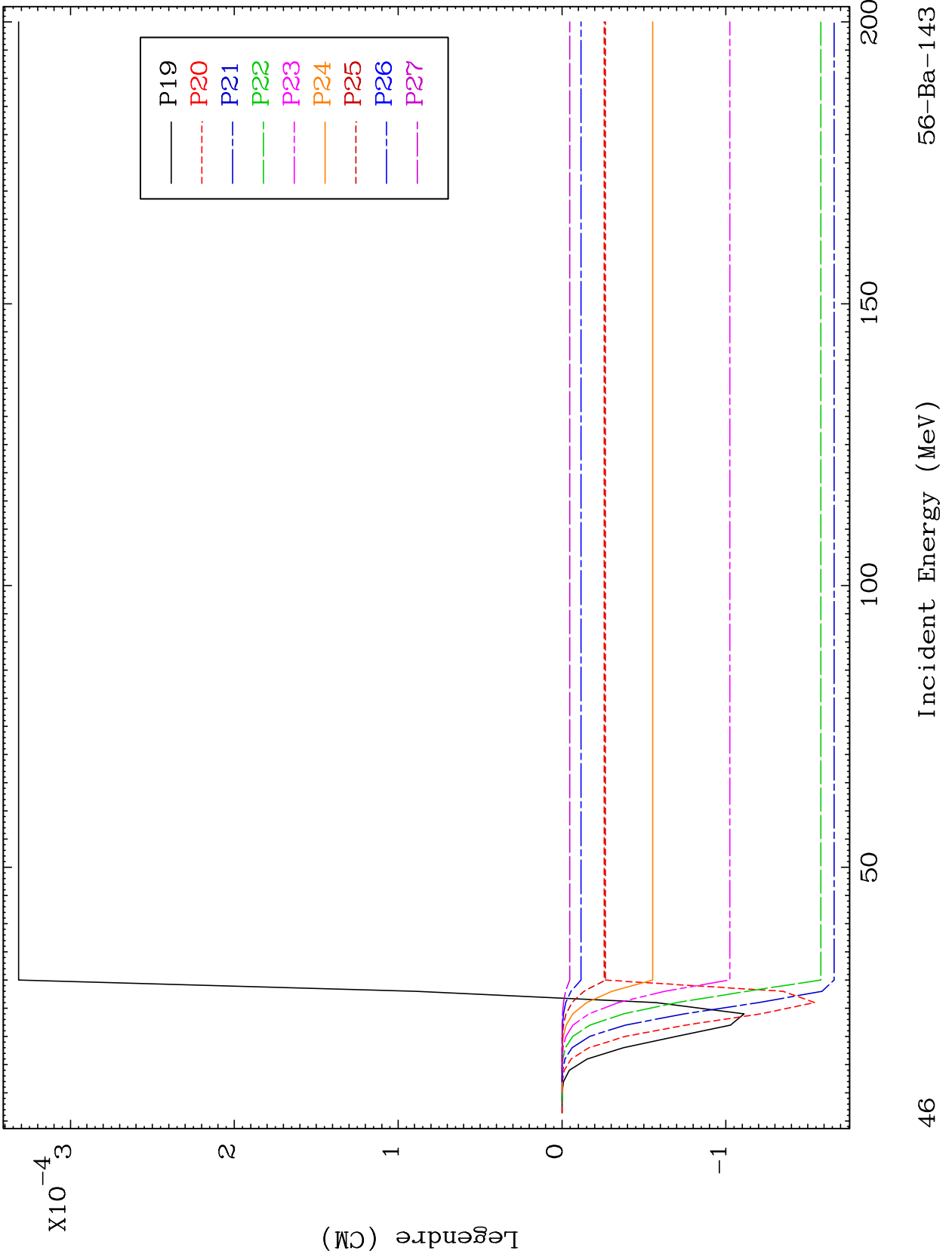
Incident Energy (MeV)

45

MAT 5664

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

56-Ba-143



46

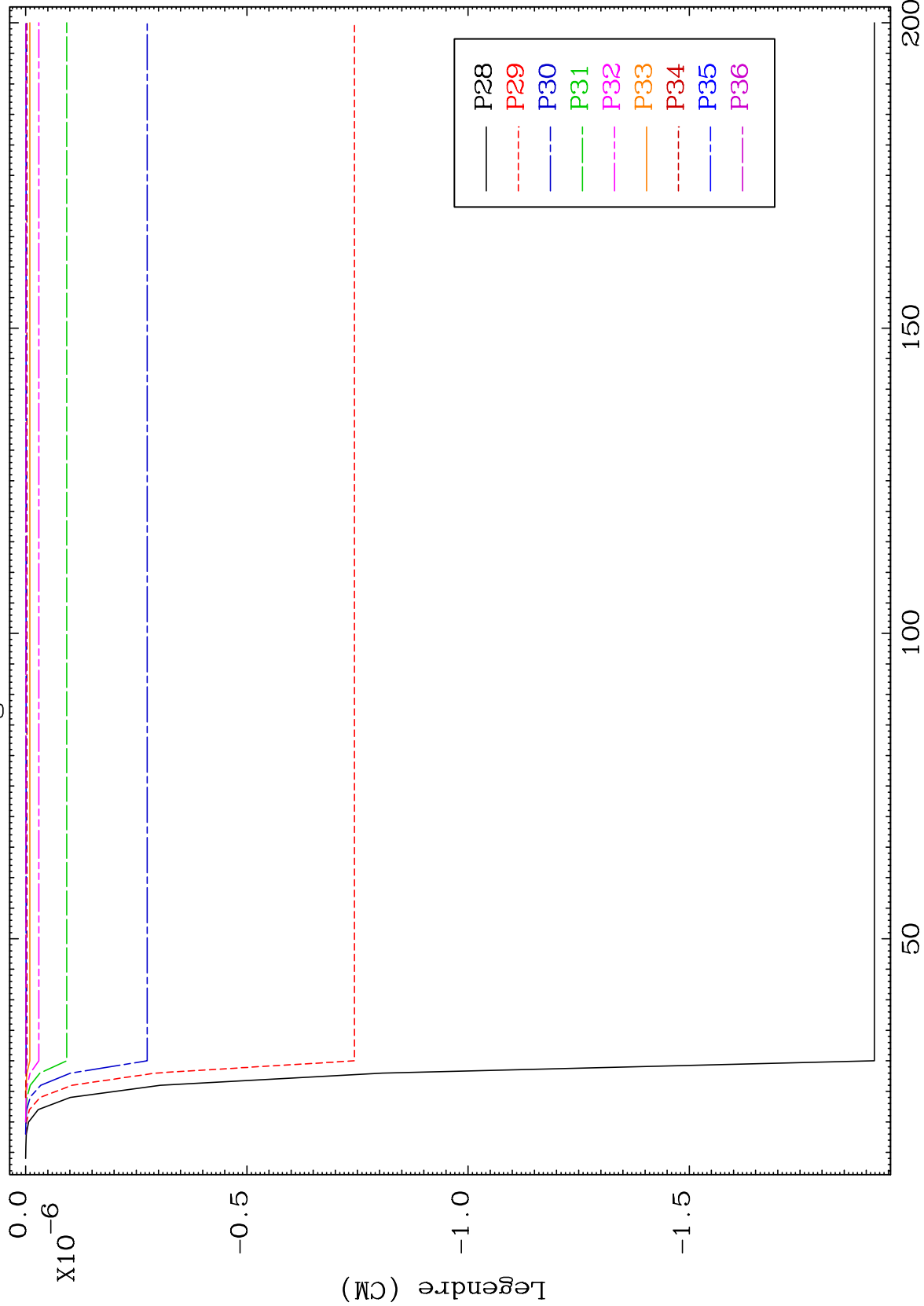
Incident Energy (MeV)

56-Ba-143

MAT 5664

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

56-Ba-143



56-Ba-143

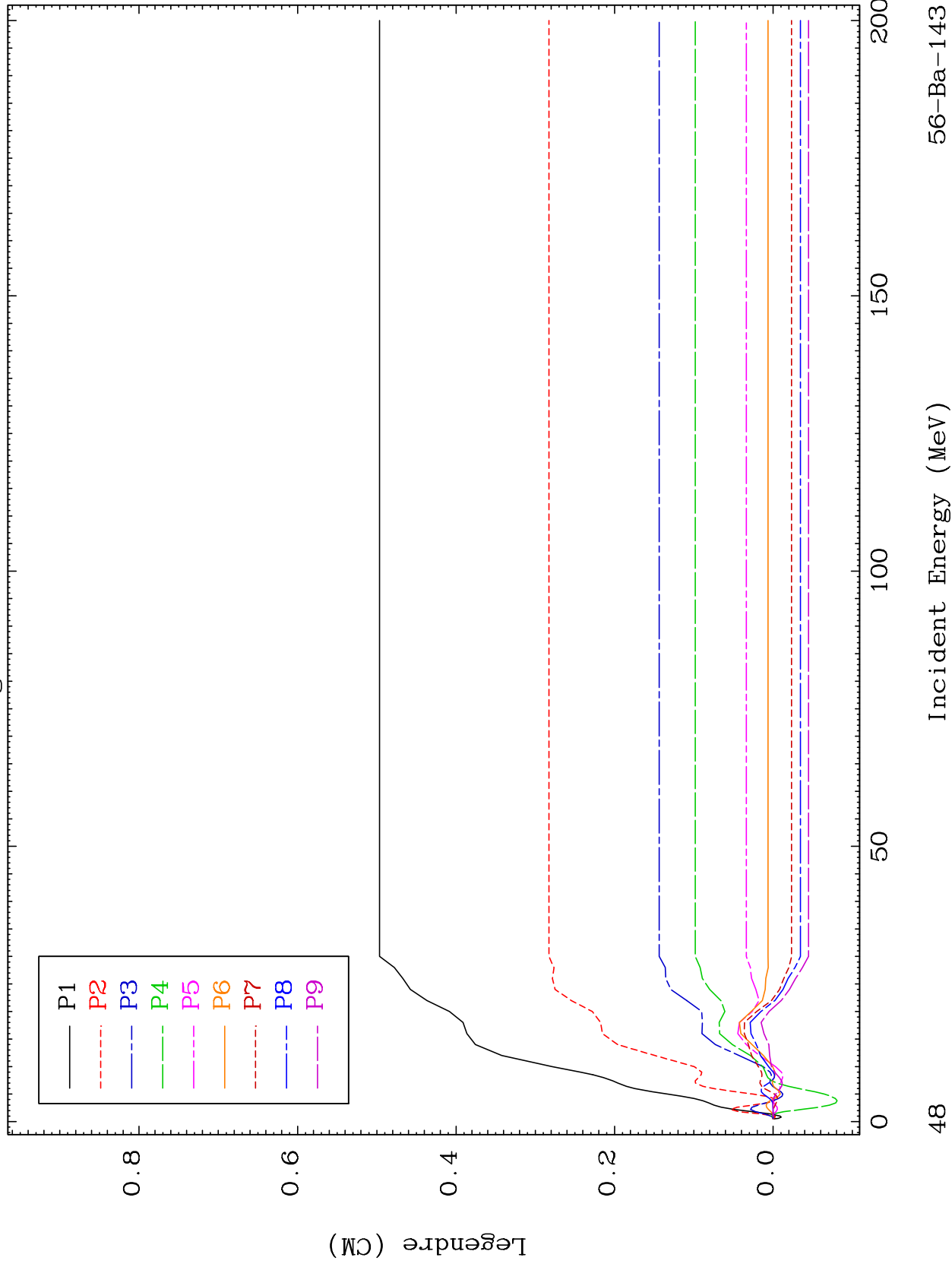
Incident Energy (MeV)

47

MAT 5664

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

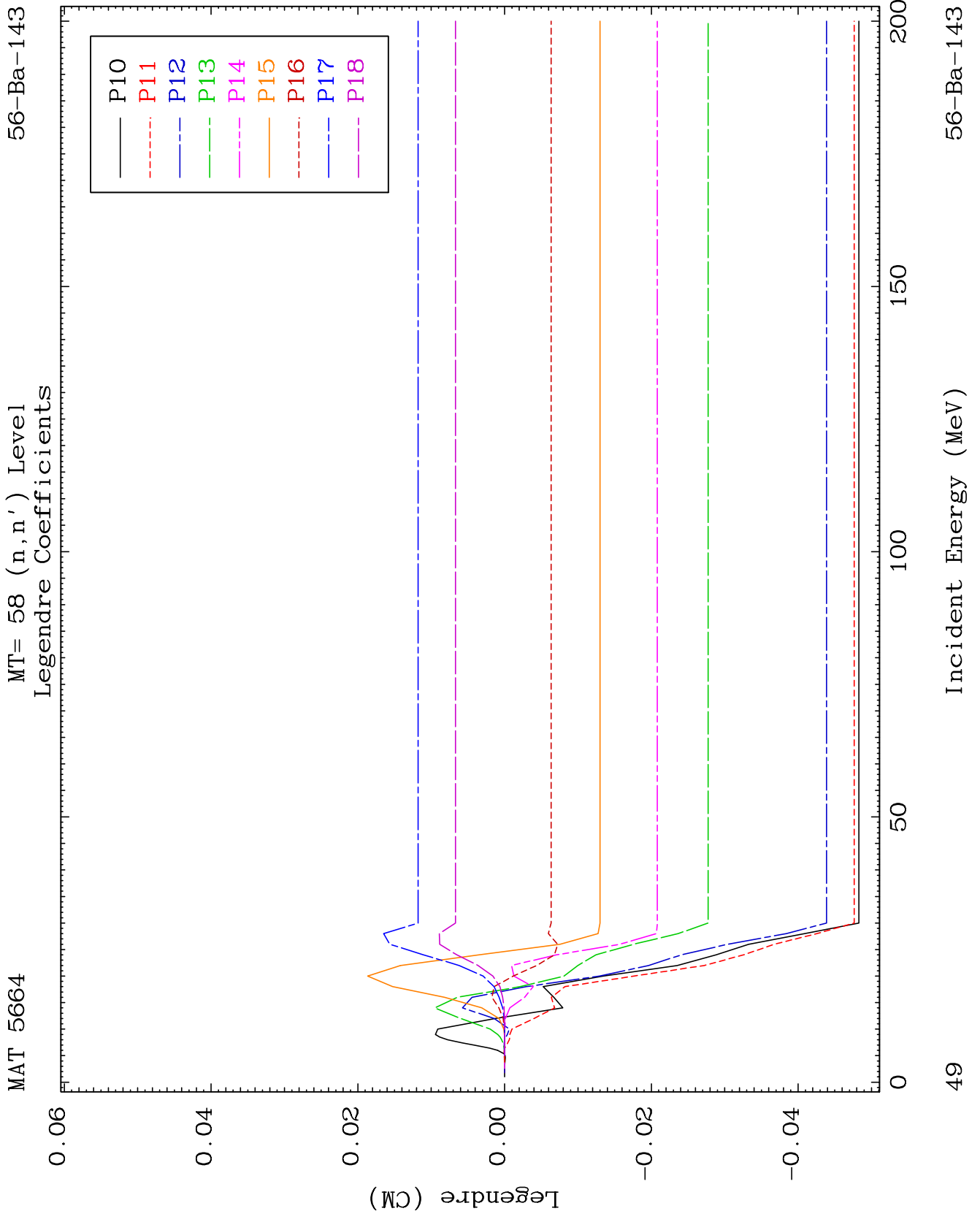
56-Ba-143



56-Ba-143

Incident Energy (MeV)

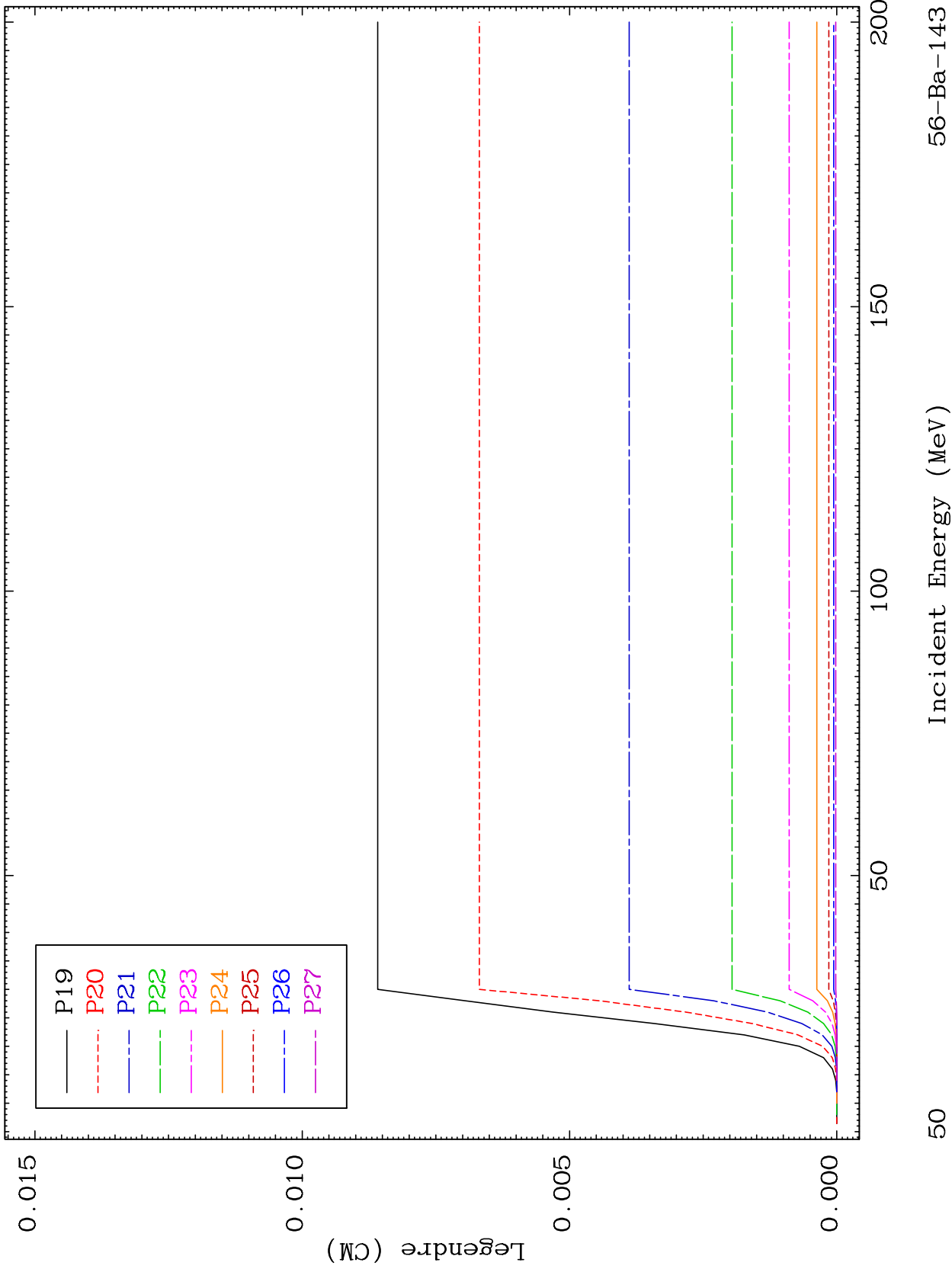
48



MAT 5664

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

56-Ba-143



56-Ba-143

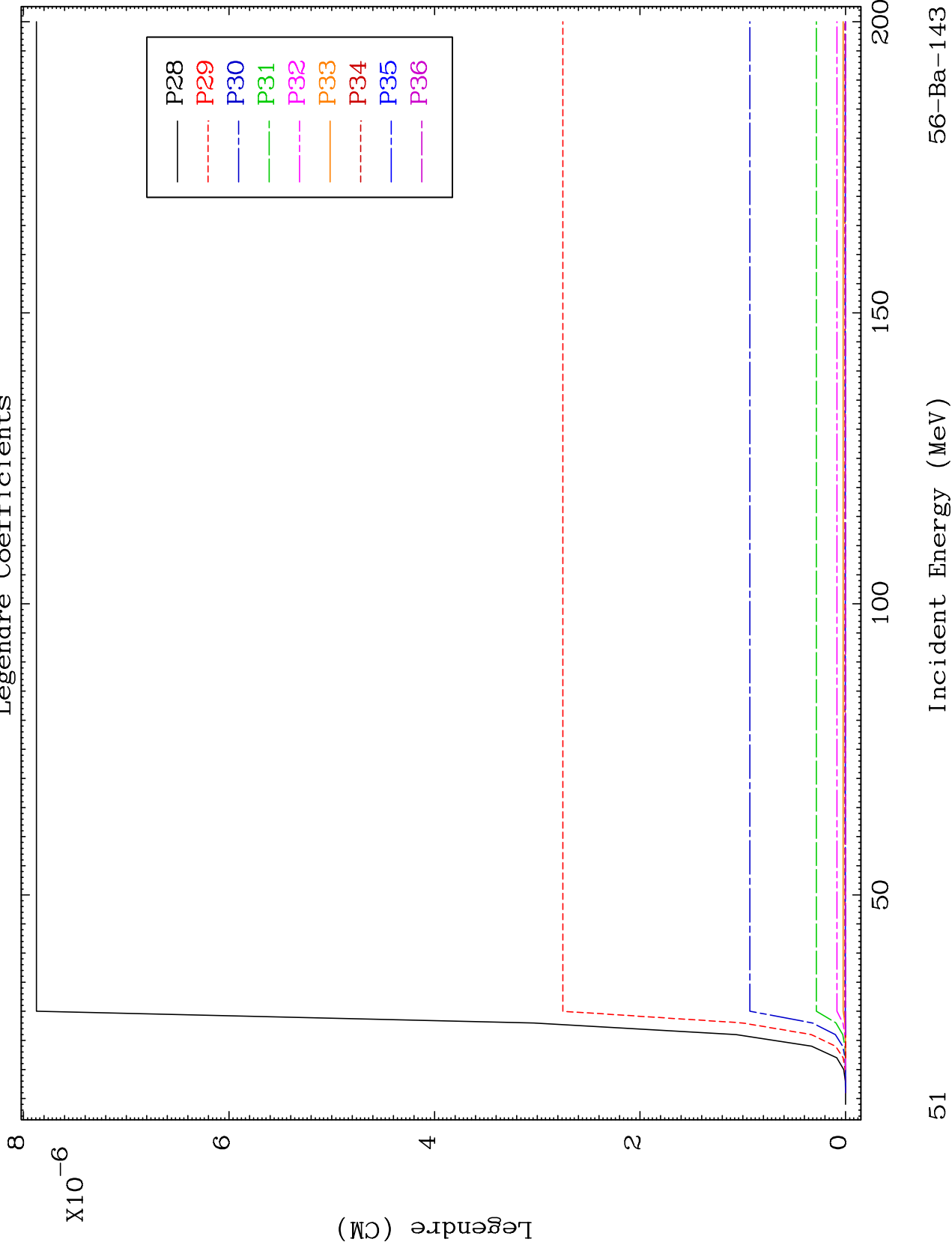
Incident Energy (MeV)

50

MAT 5664

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

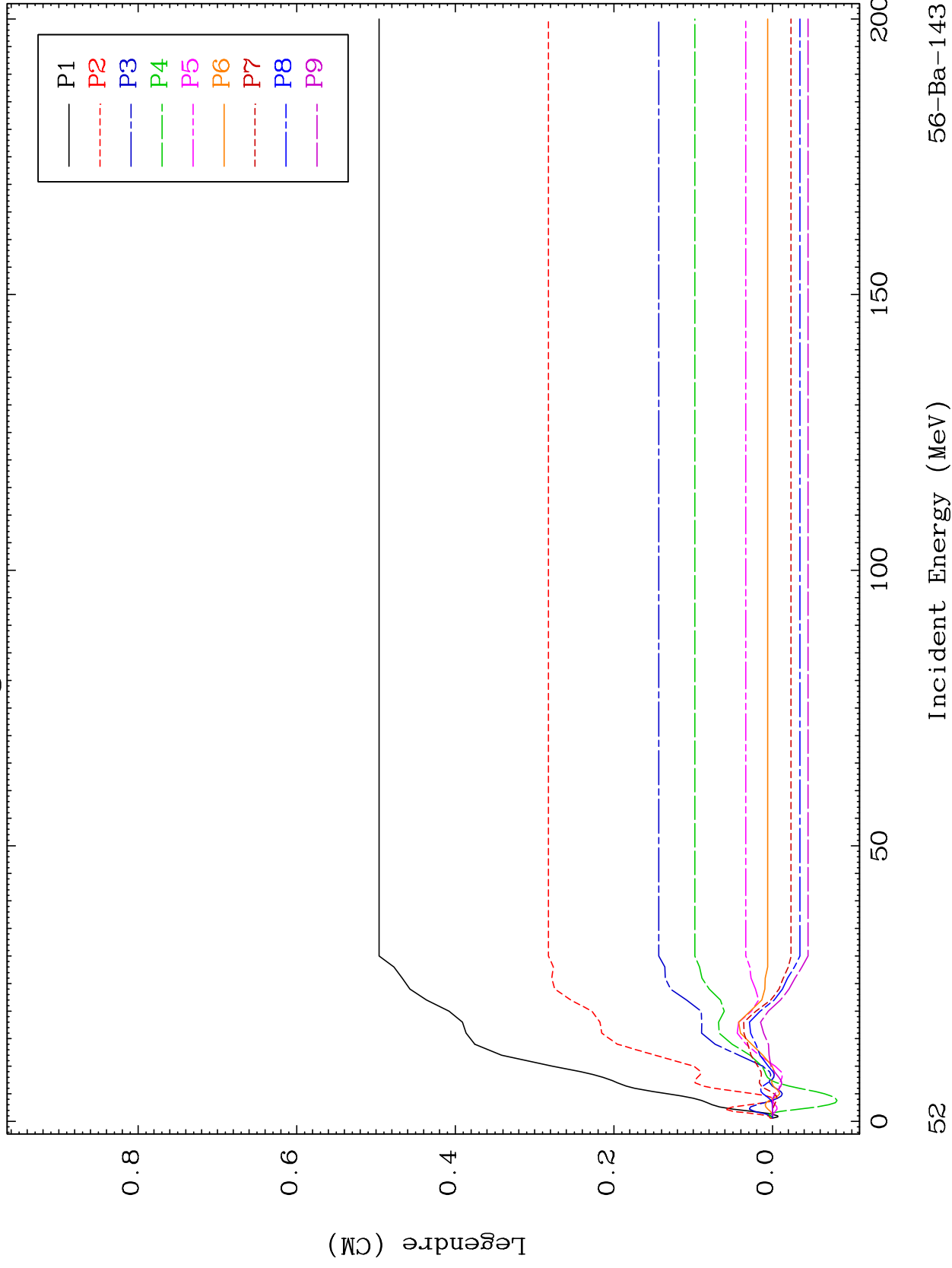
56-Ba-143



MAT 5664

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

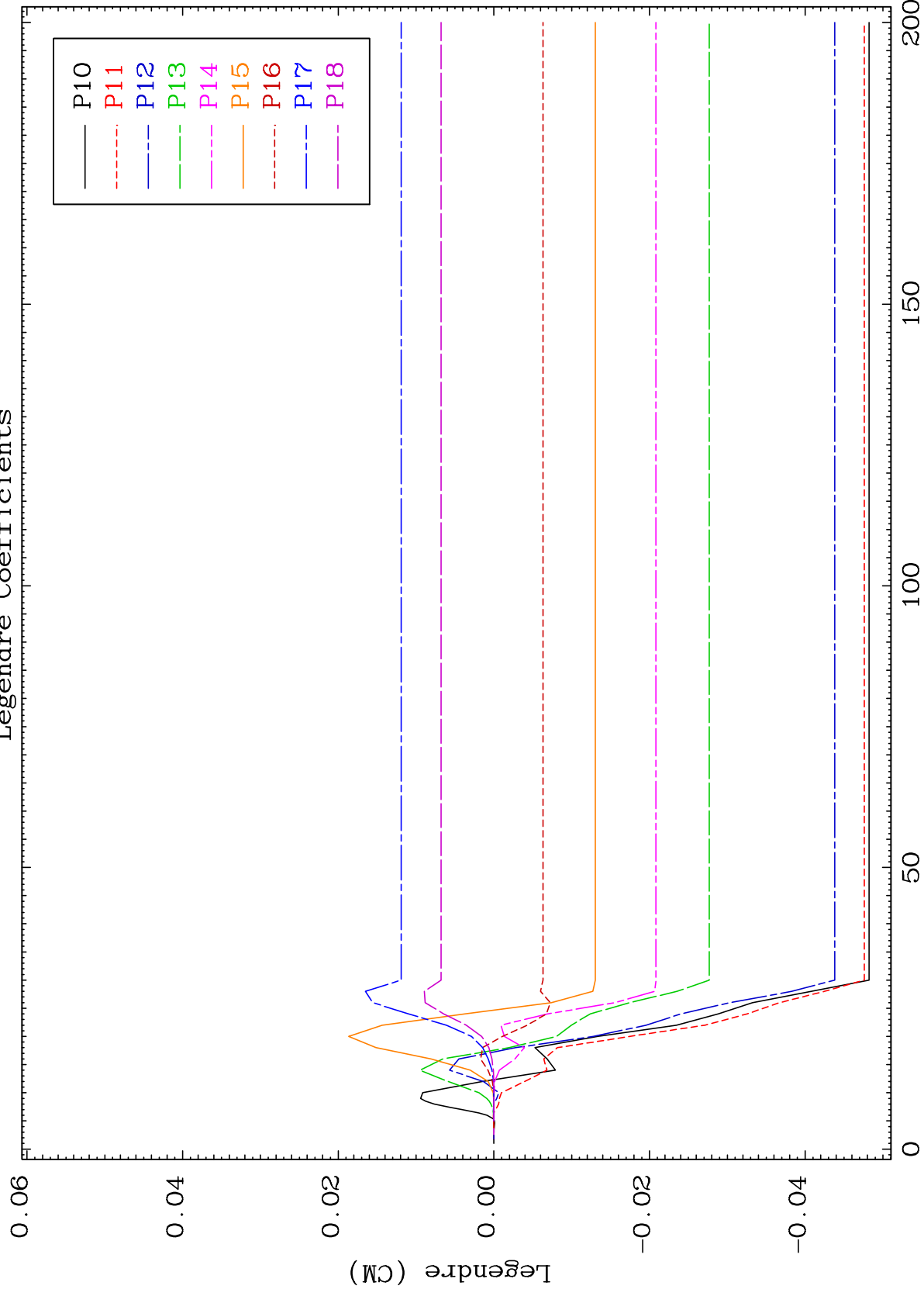
56-Ba-143



MAT 5664

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

56-Ba-143



53

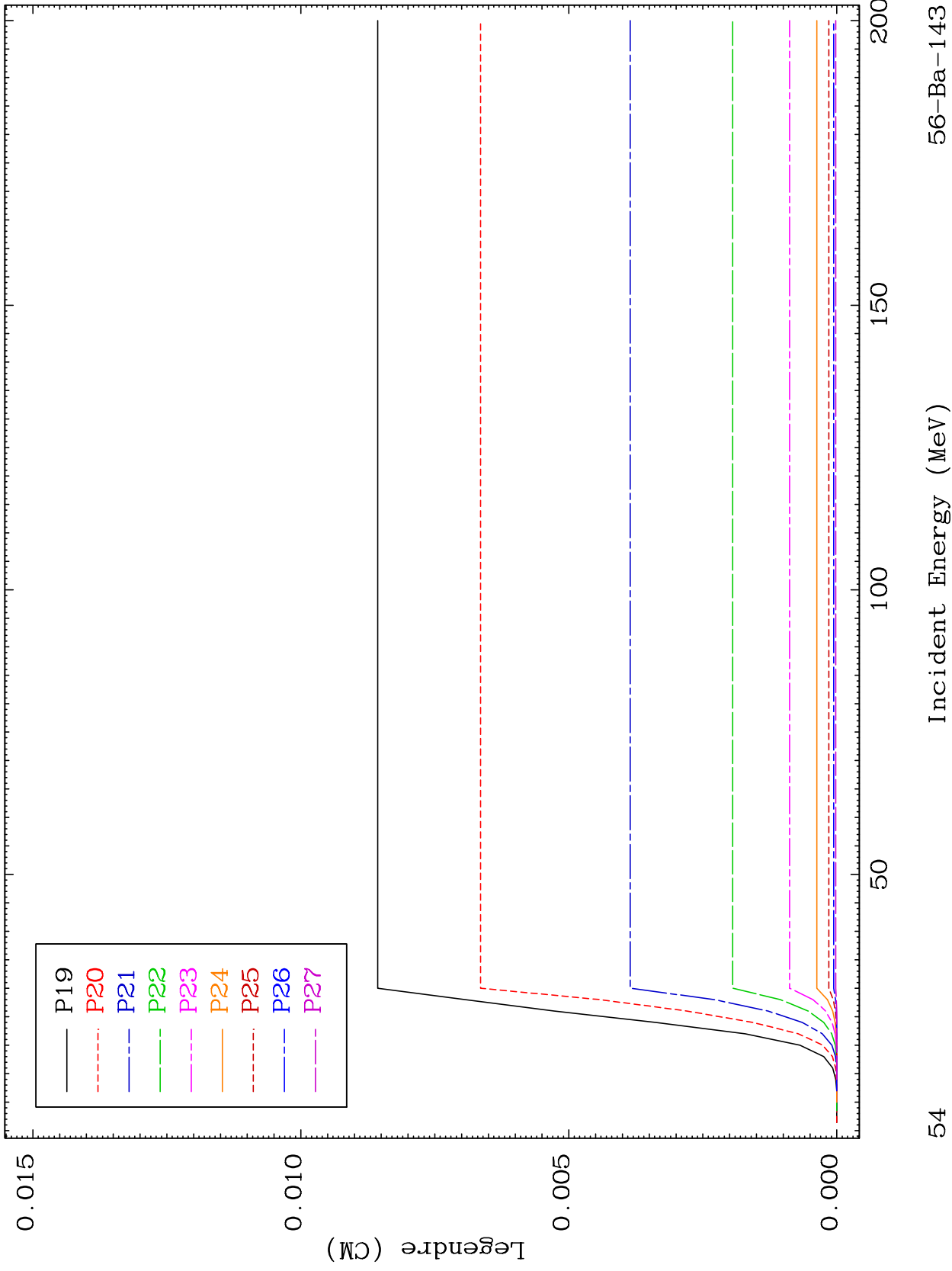
Incident Energy (MeV)

56-Ba-143

MAT 5664

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

56-Ba-143



54

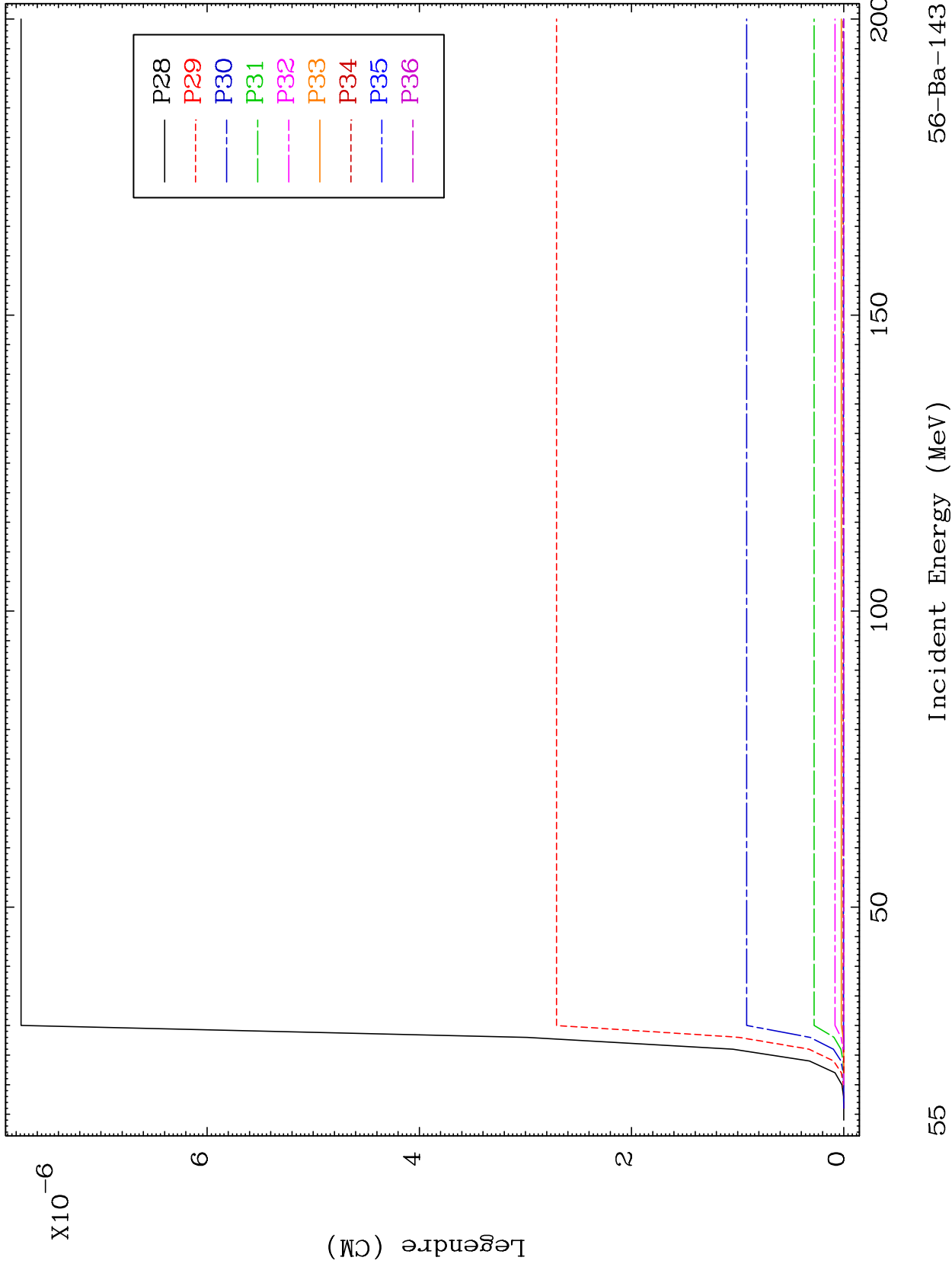
Incident Energy (MeV)

56-Ba-143

MAT 5664

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

56-Ba-143



55

Incident Energy (MeV)

56-Ba-143

200

150

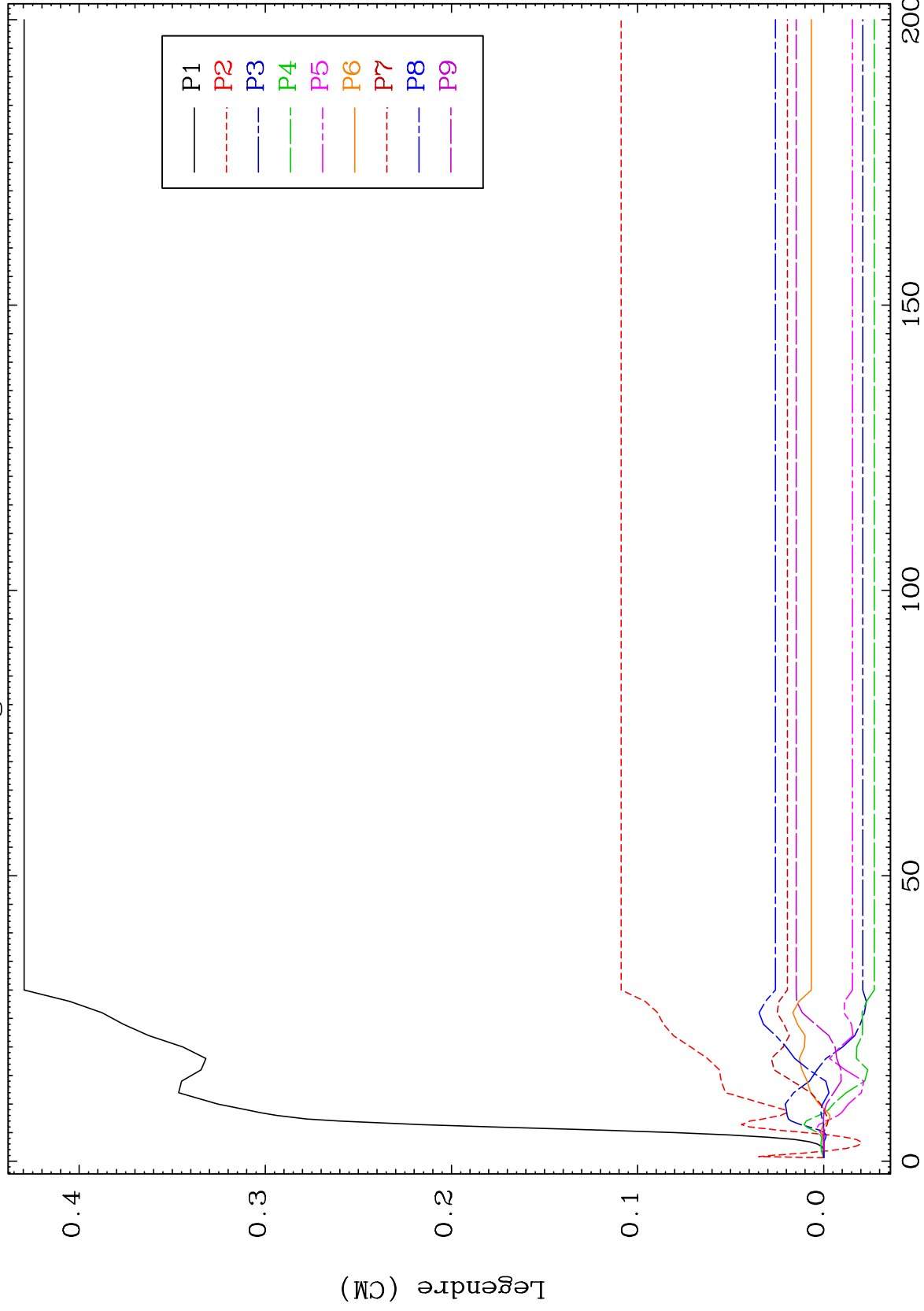
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50

MAT 5664

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

56-Ba-143



56

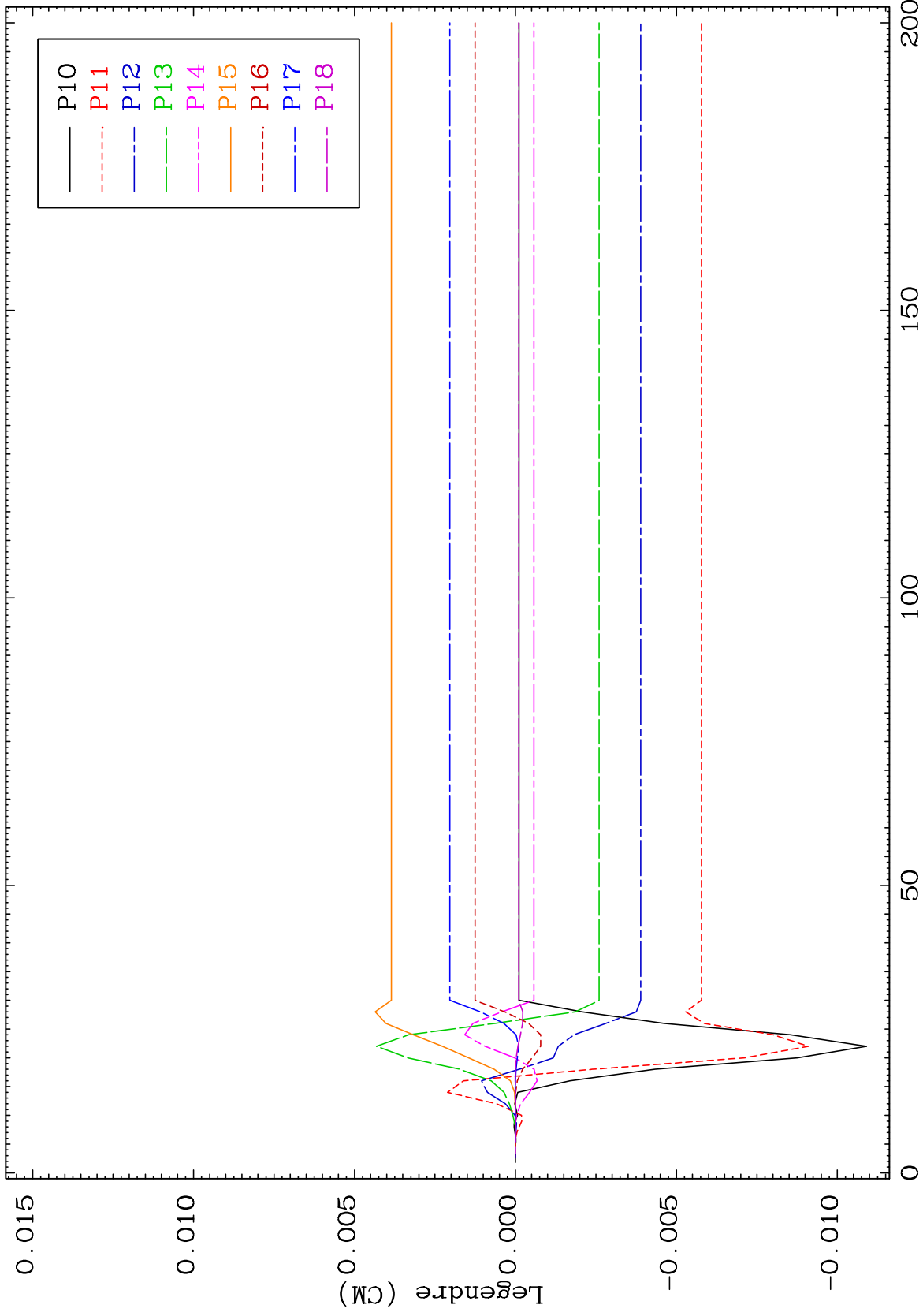
Incident Energy (MeV)

56-Ba-143

MAT 5664

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

56-Ba-143



57

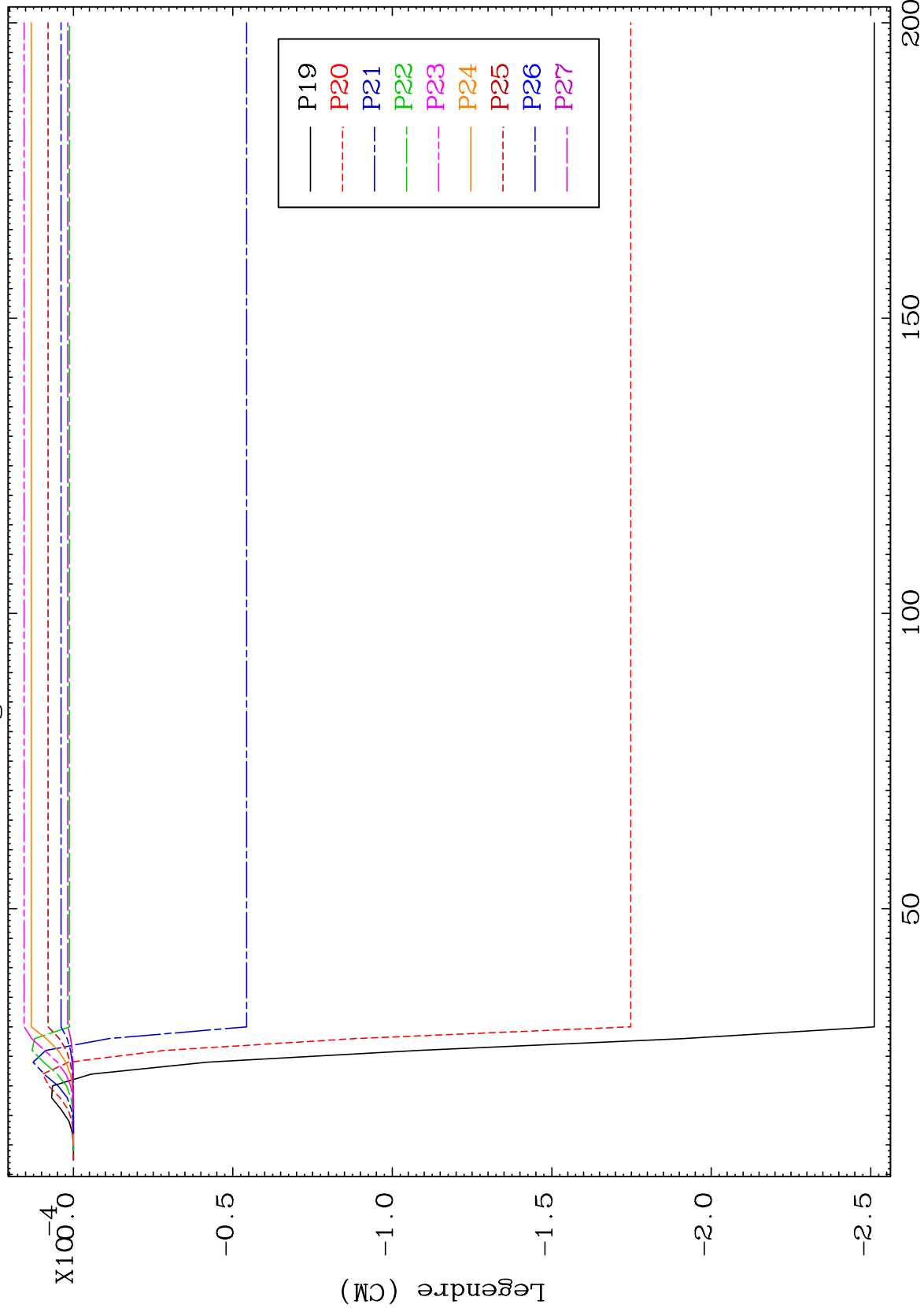
Incident Energy (MeV)

56-Ba-143

MAT 5664

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

56-Ba-143



58

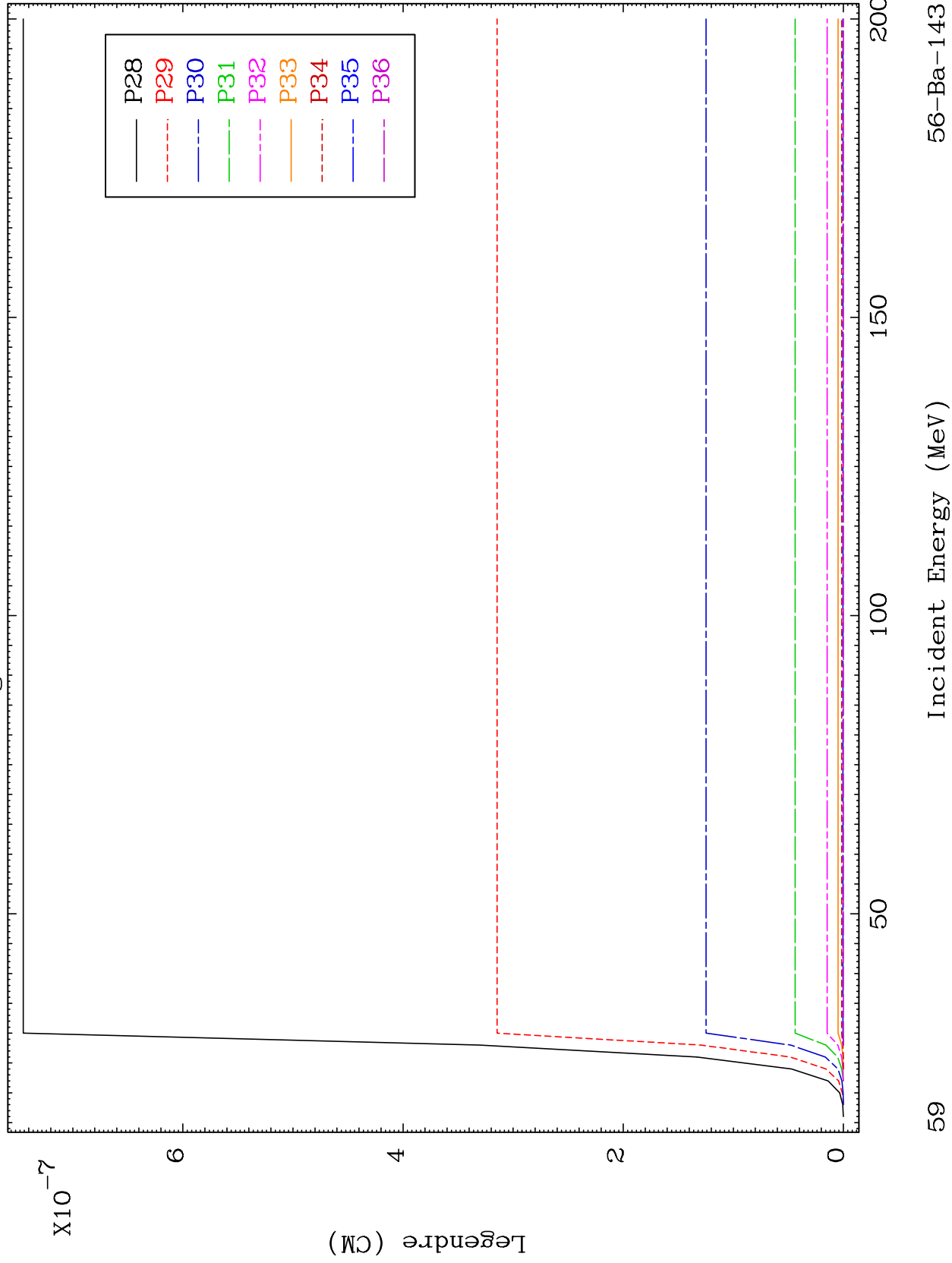
Incident Energy (MeV)

56-Ba-143

MAT 5664

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

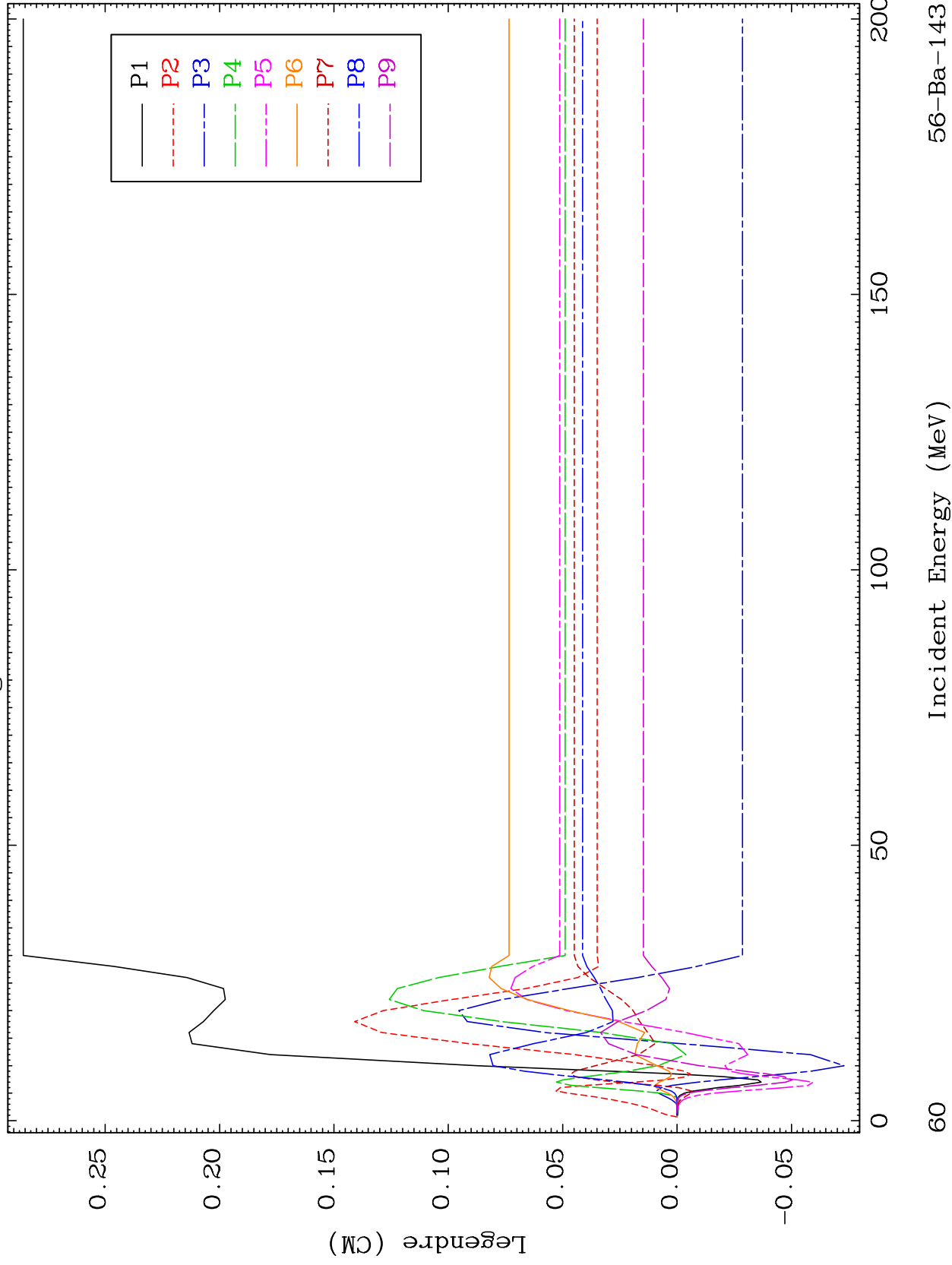
56-Ba-143



MAT 5664

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

56-Ba-143



56-Ba-143

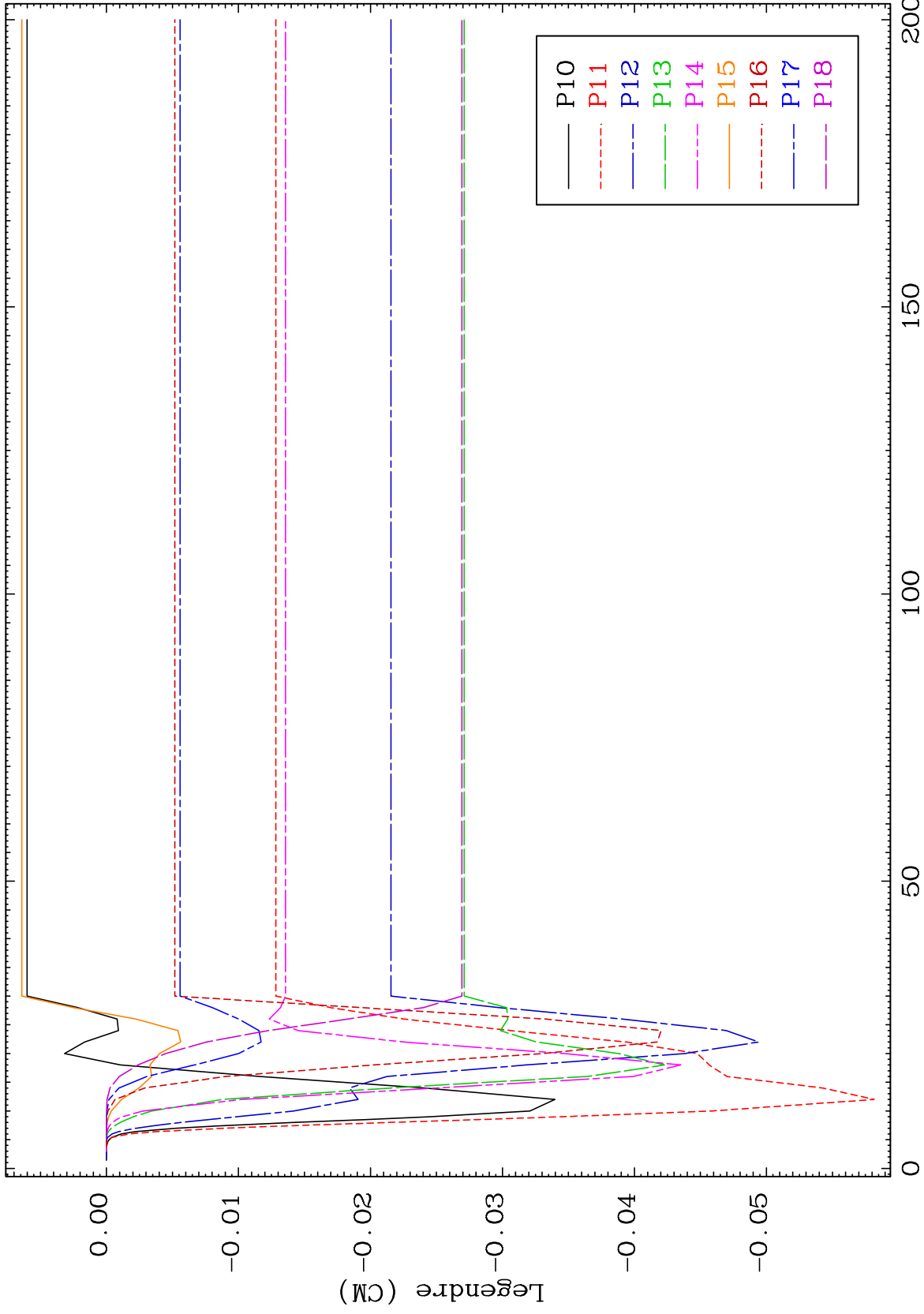
Incident Energy (MeV)

60

MAT 5664

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

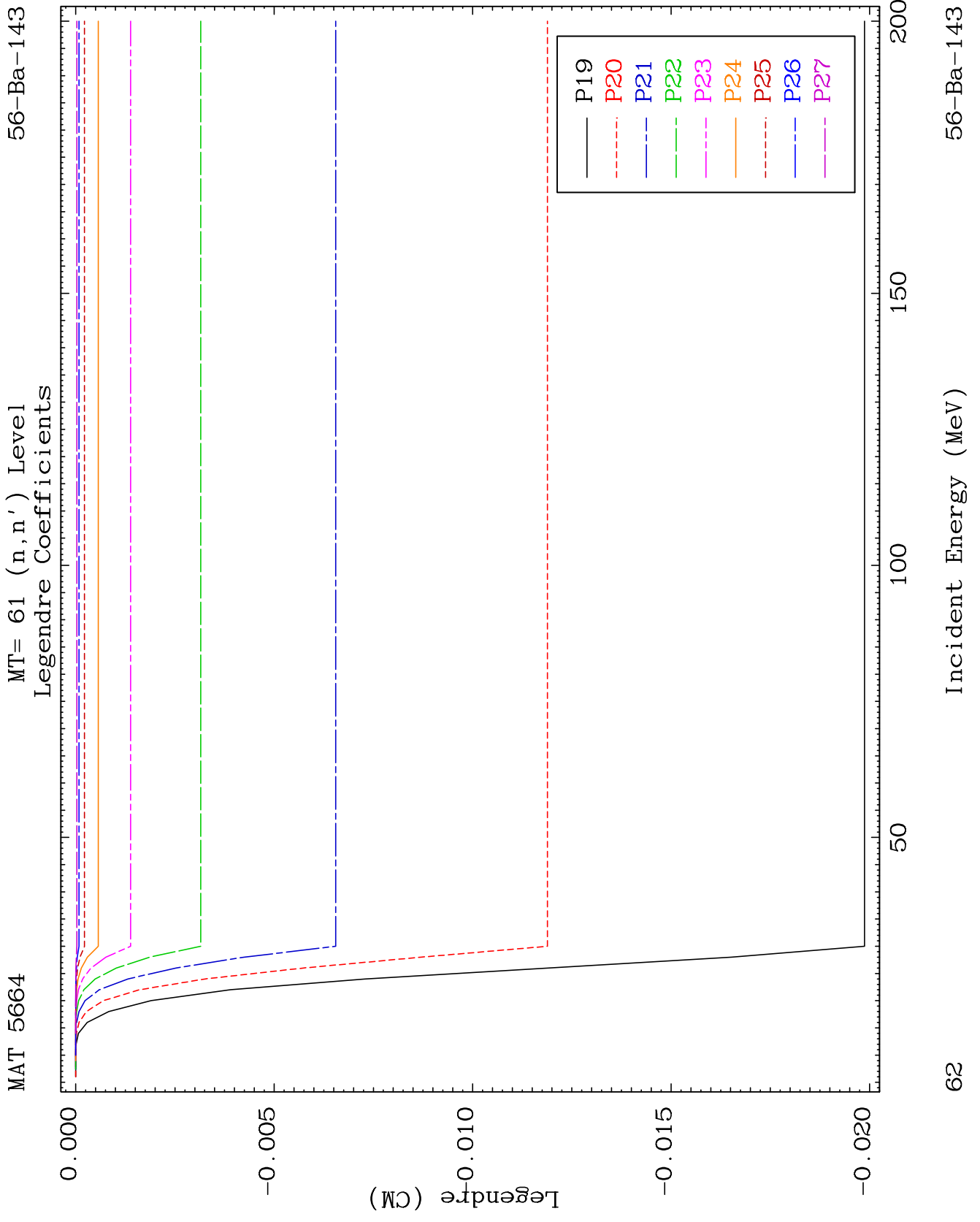
56-Ba-143

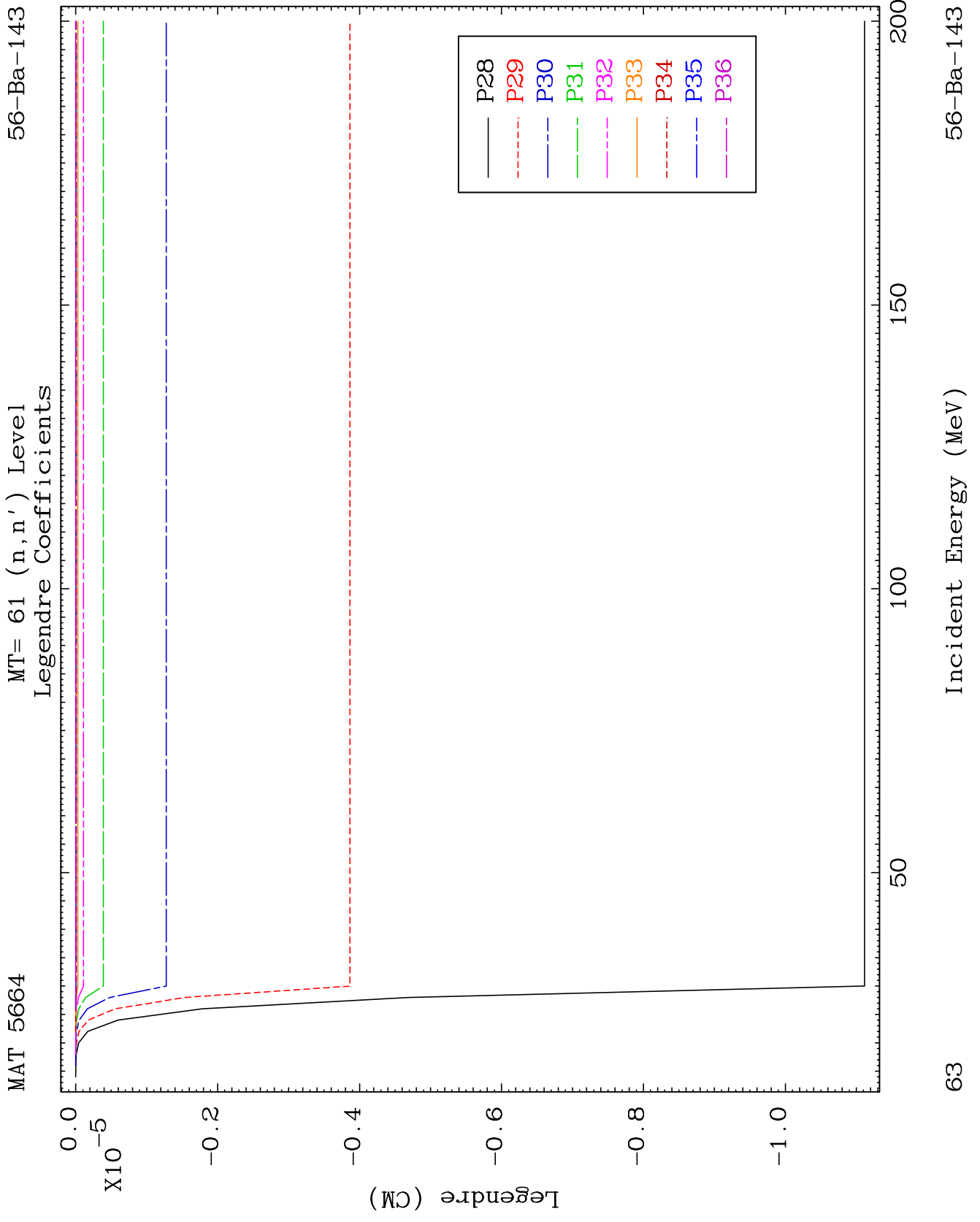


61

Incident Energy (MeV)

56-Ba-143

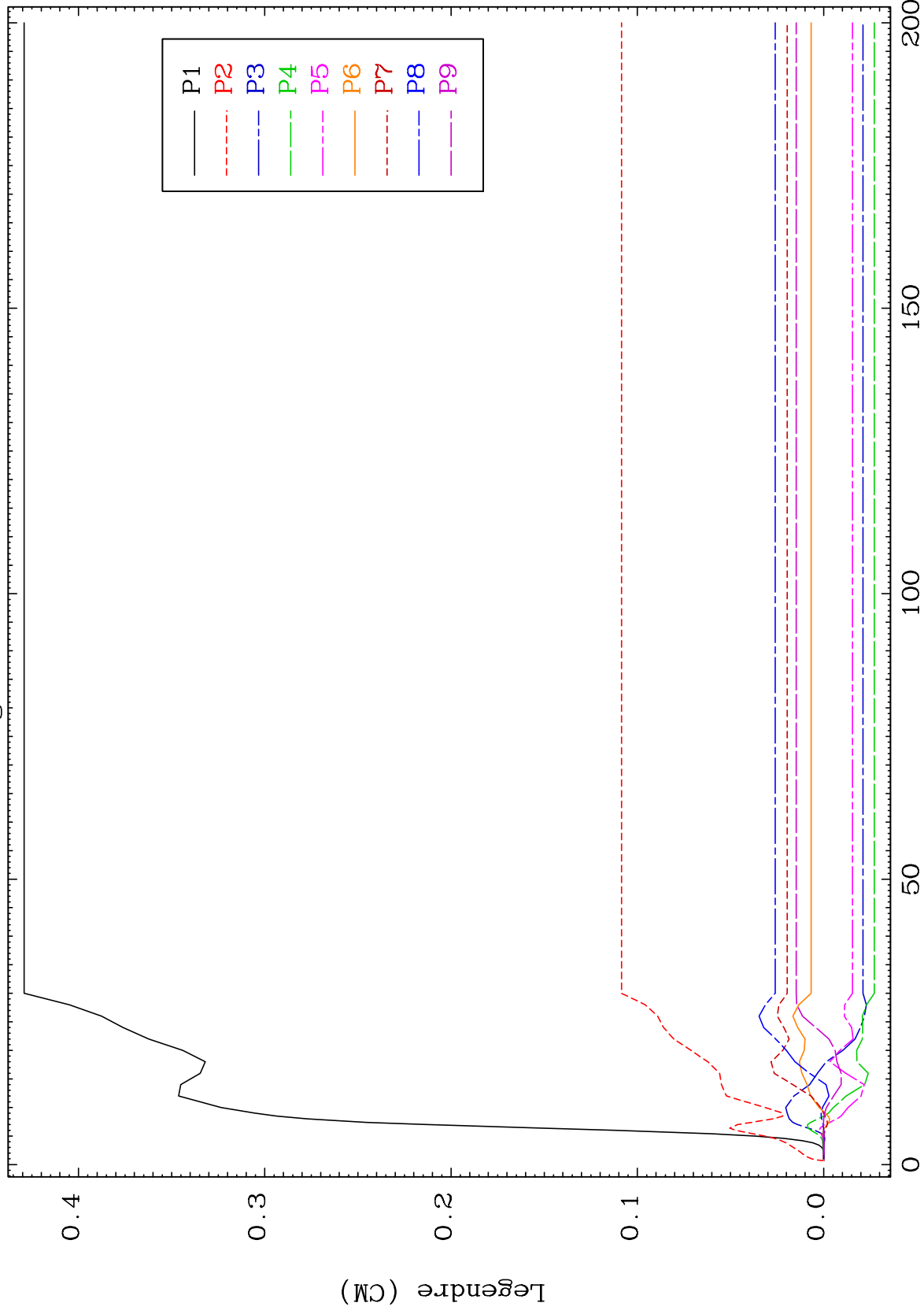




MAT 5664

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

56-Ba-143



64

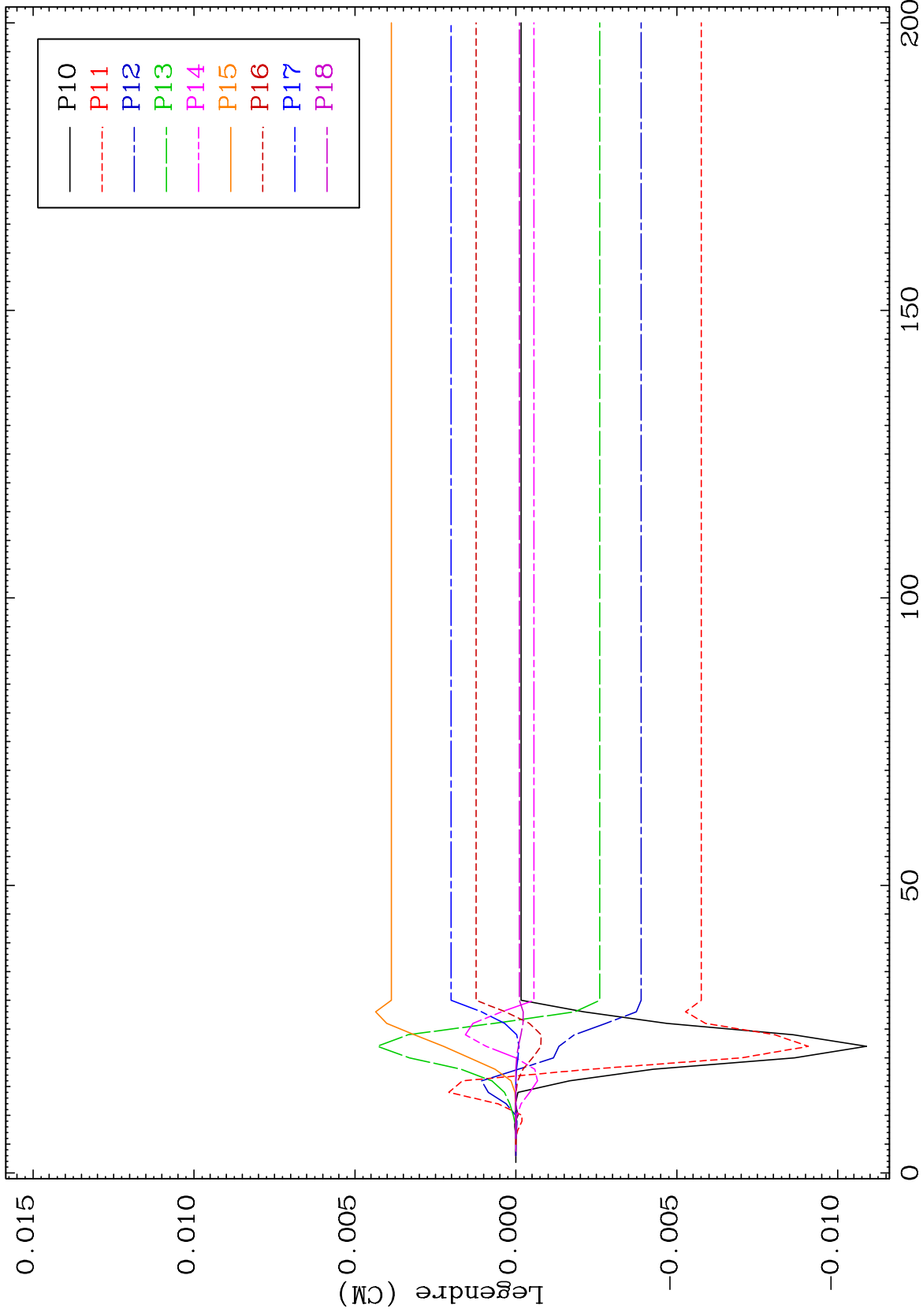
Incident Energy (MeV)

56-Ba-143

MAT 5664

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

56-Ba-143



65

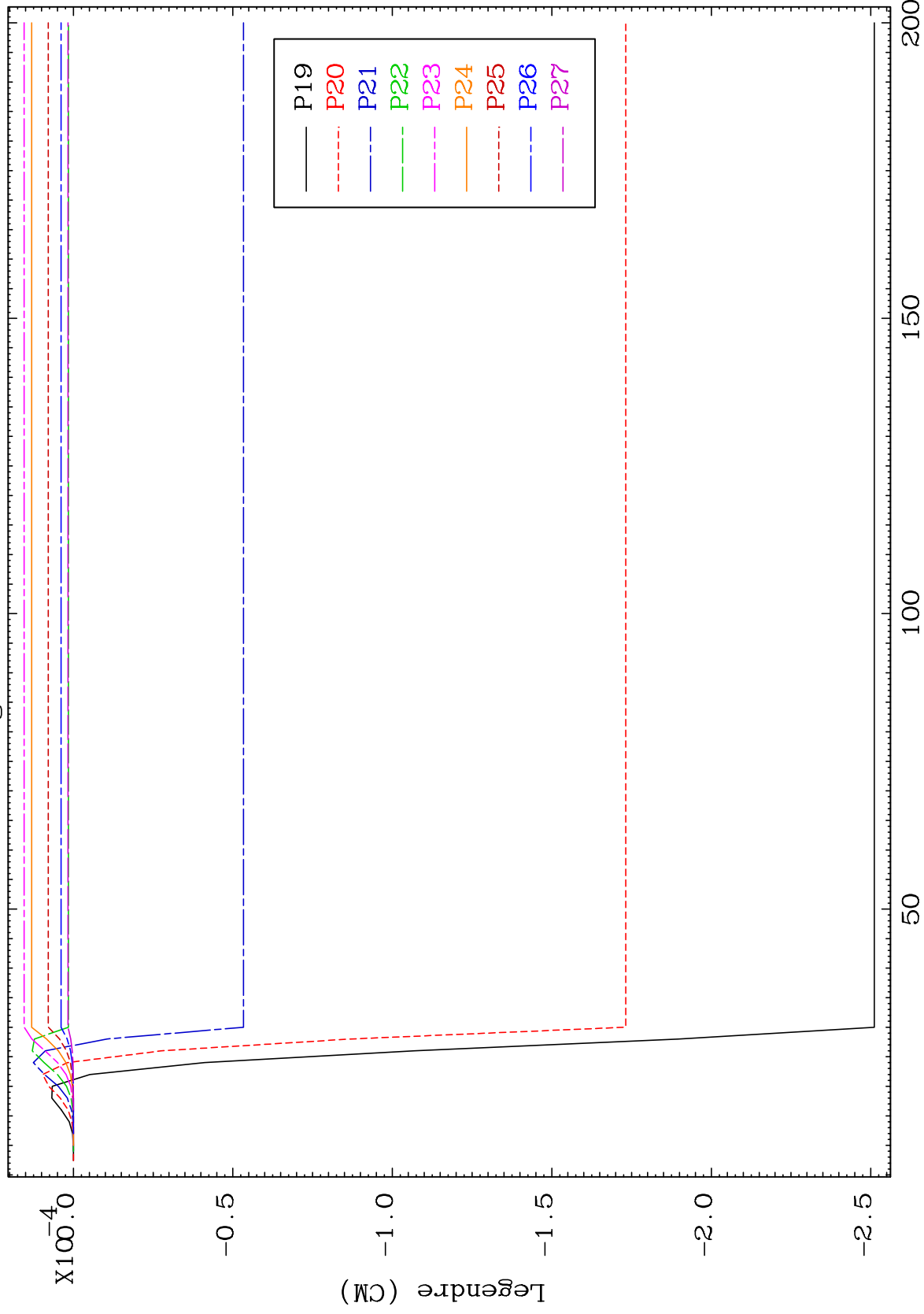
Incident Energy (MeV)

56-Ba-143

MAT 5664

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

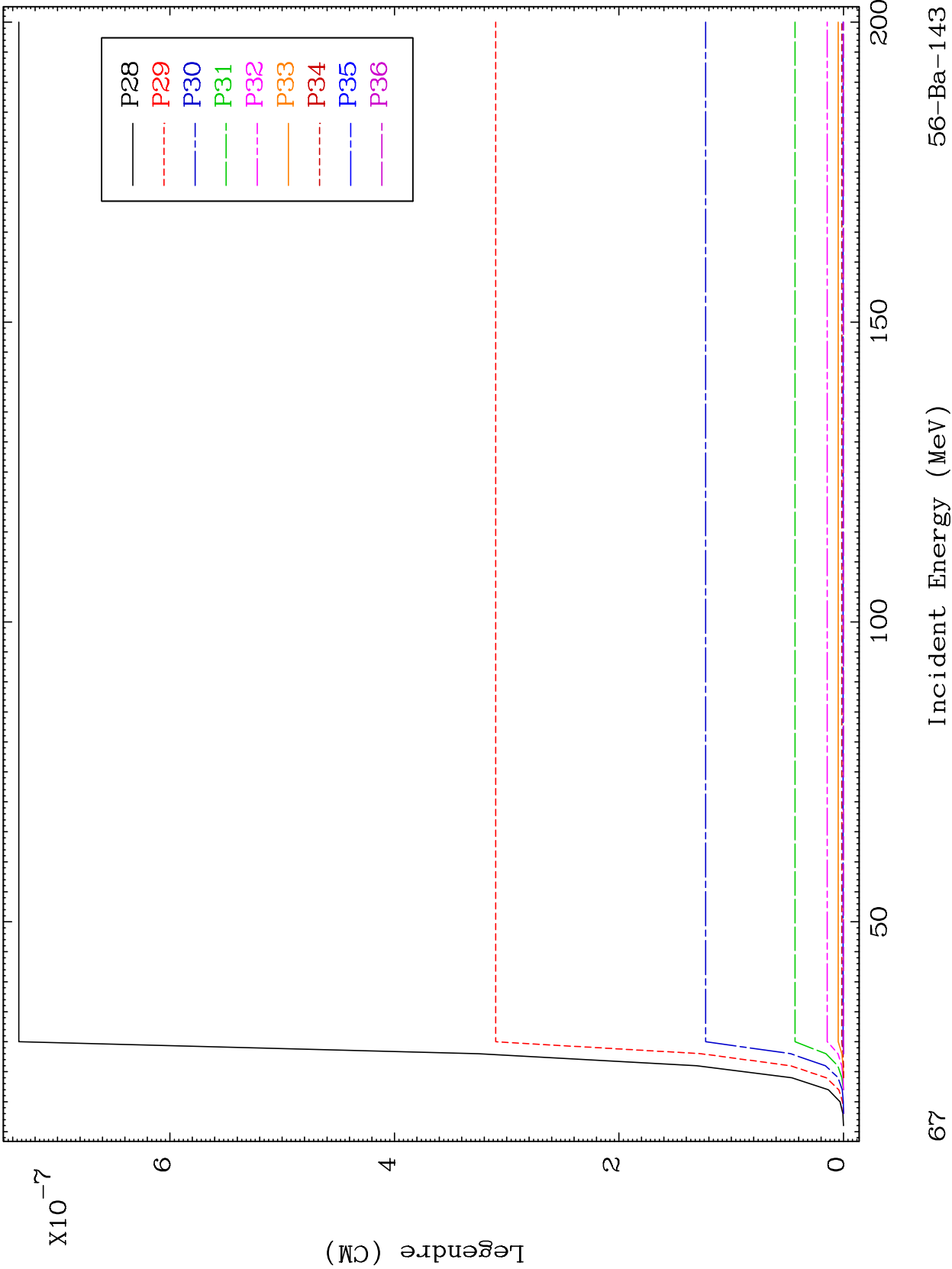
56-Ba-143



MAT 5664

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

56-Ba-143



67

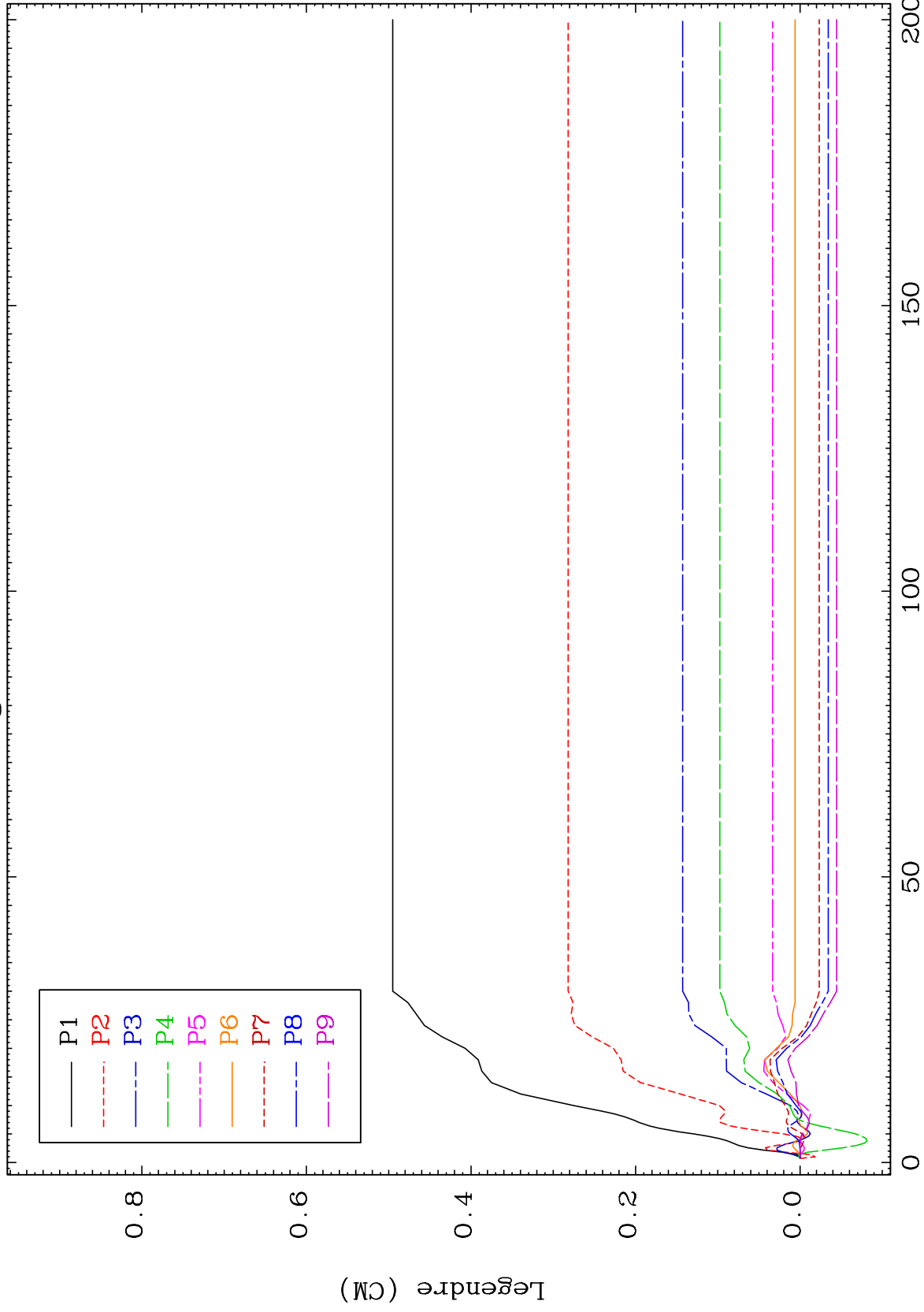
Incident Energy (MeV)

56-Ba-143

MAT 5664

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

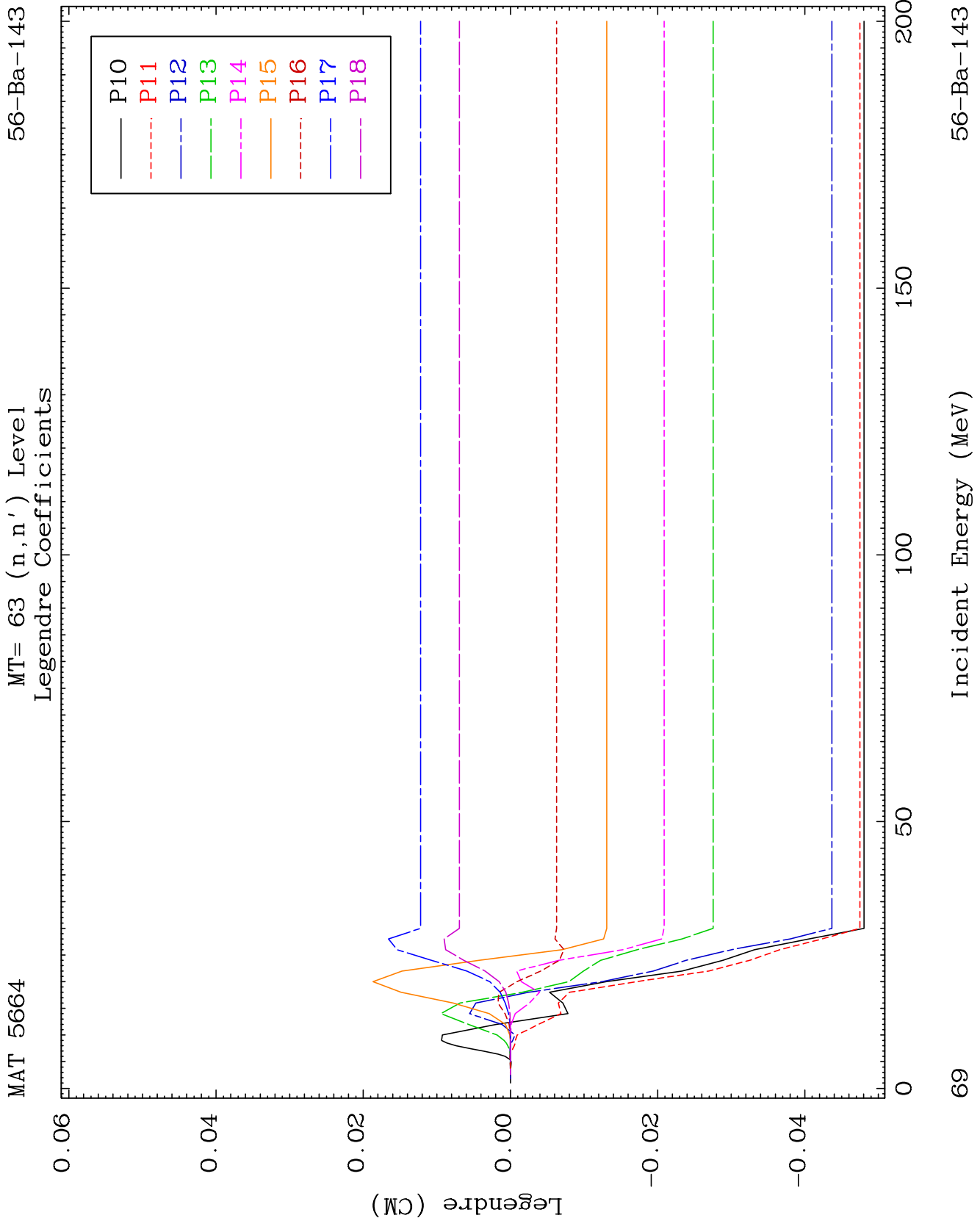
56-Ba-143



68

Incident Energy (MeV)

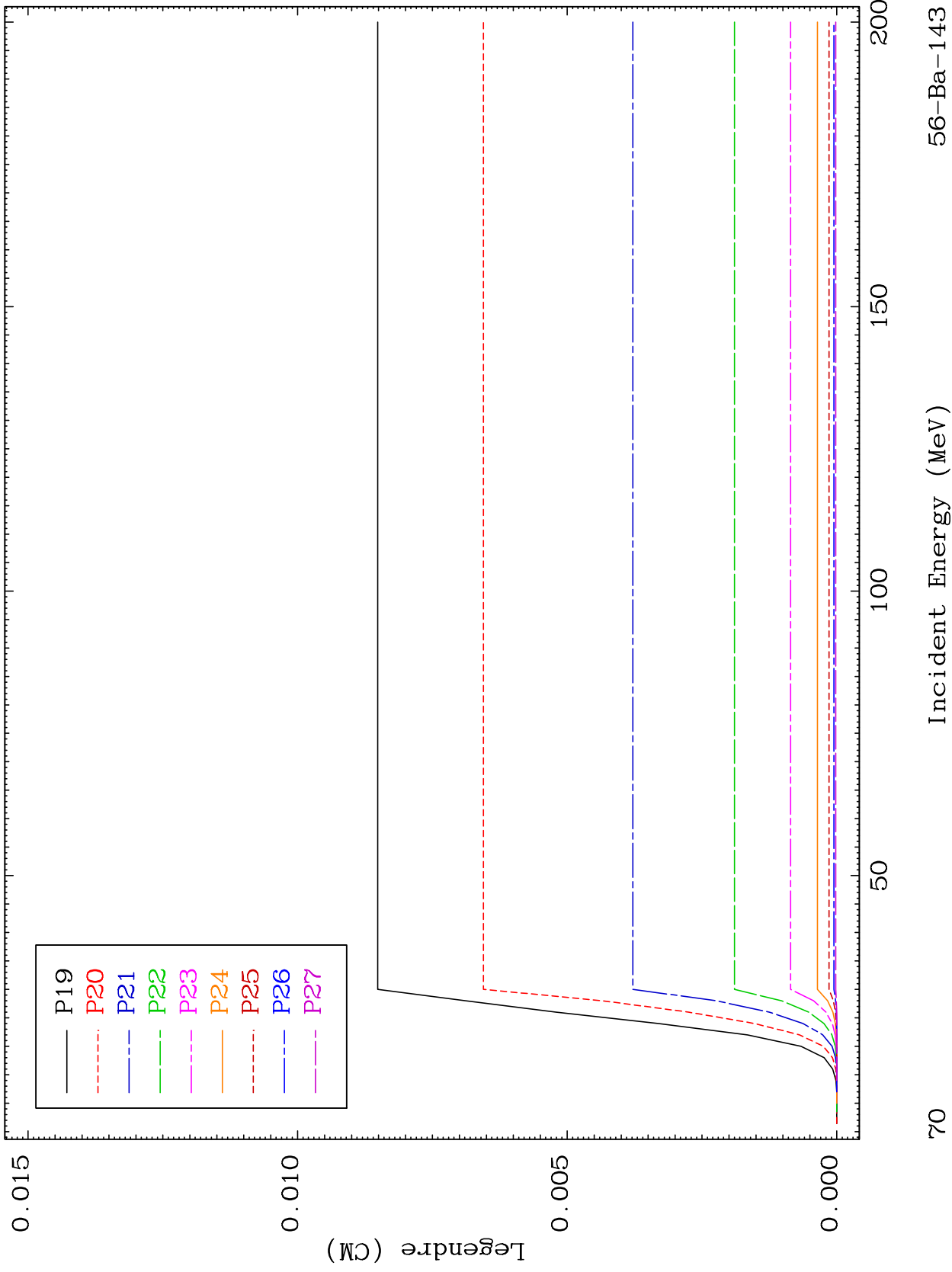
56-Ba-143



MAT 5664

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

56-Ba-143



56-Ba-143

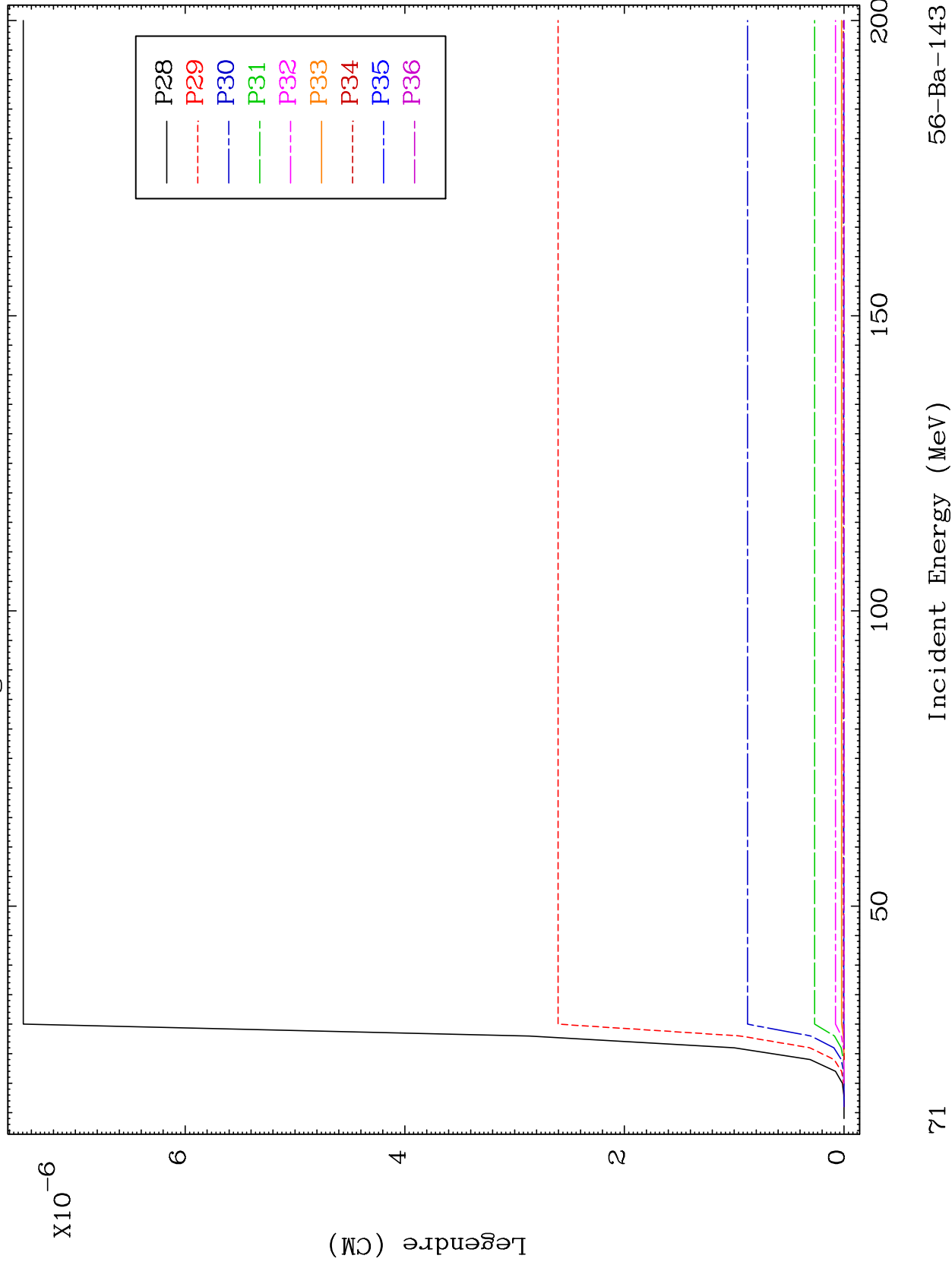
Incident Energy (MeV)

70

MAT 5664

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

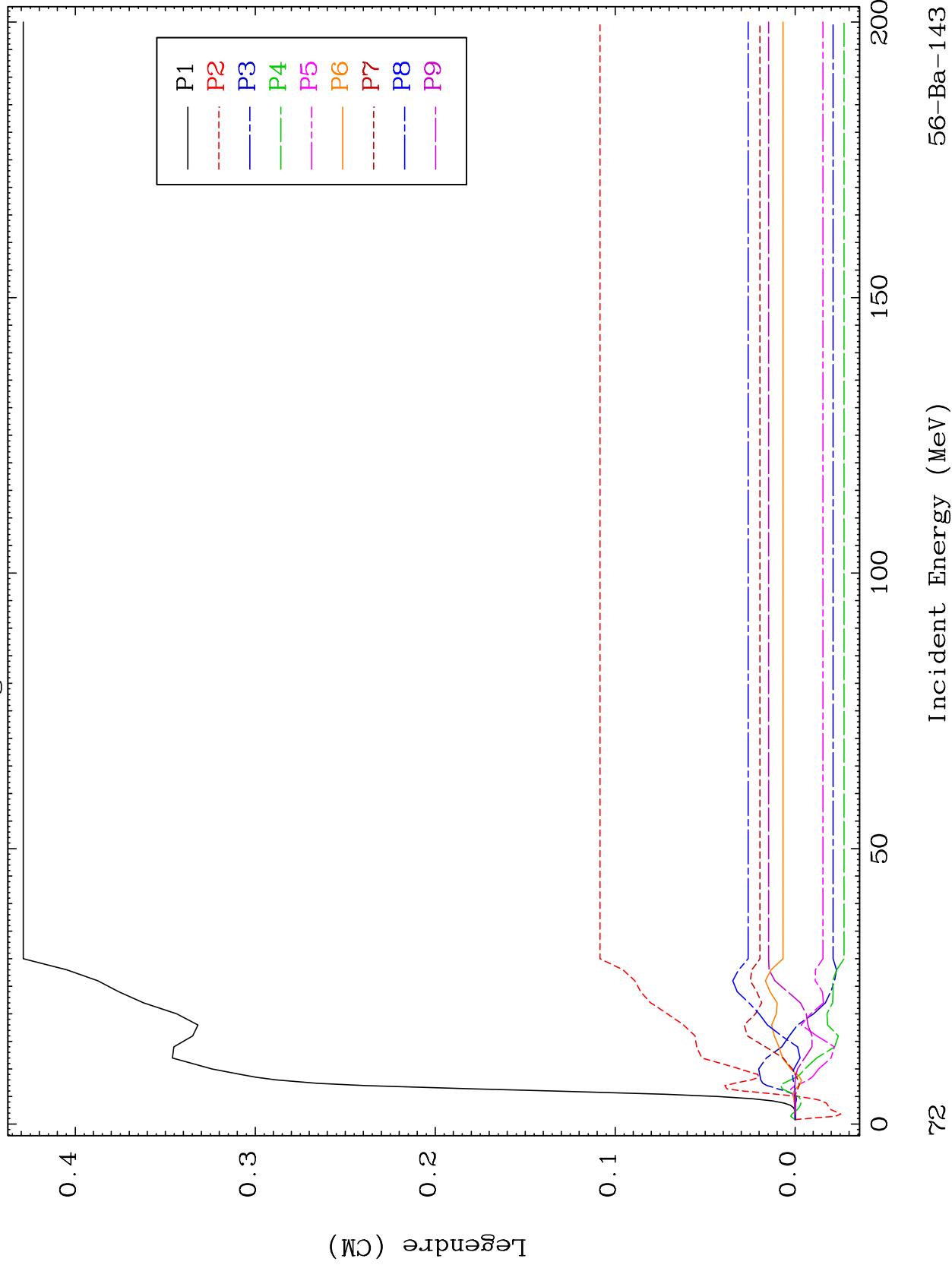
56-Ba-143



MAT 5664

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

56-Ba-143



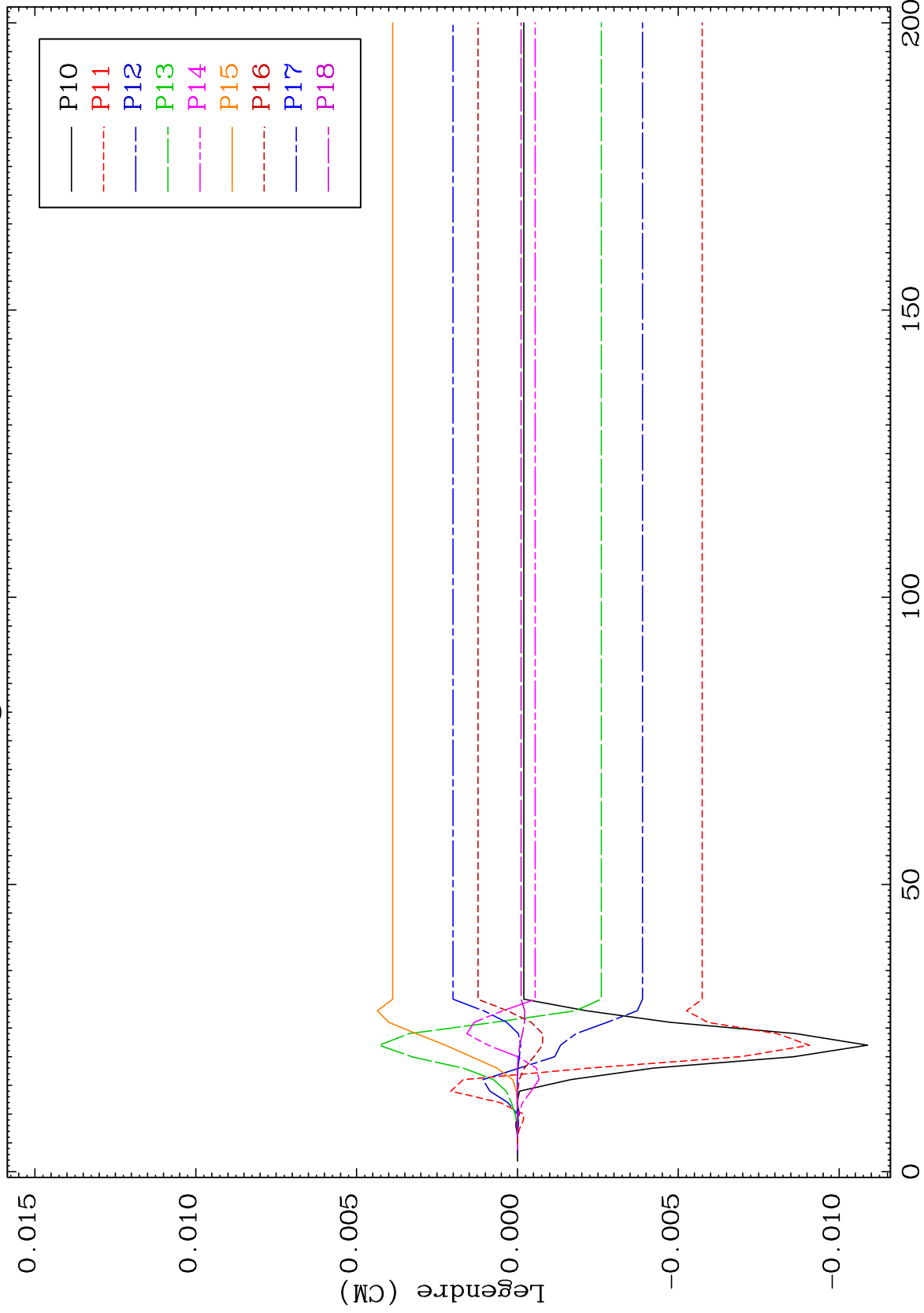
56-Ba-143

72

MAT 5664

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

56-Ba-143



73

Incident Energy (MeV)

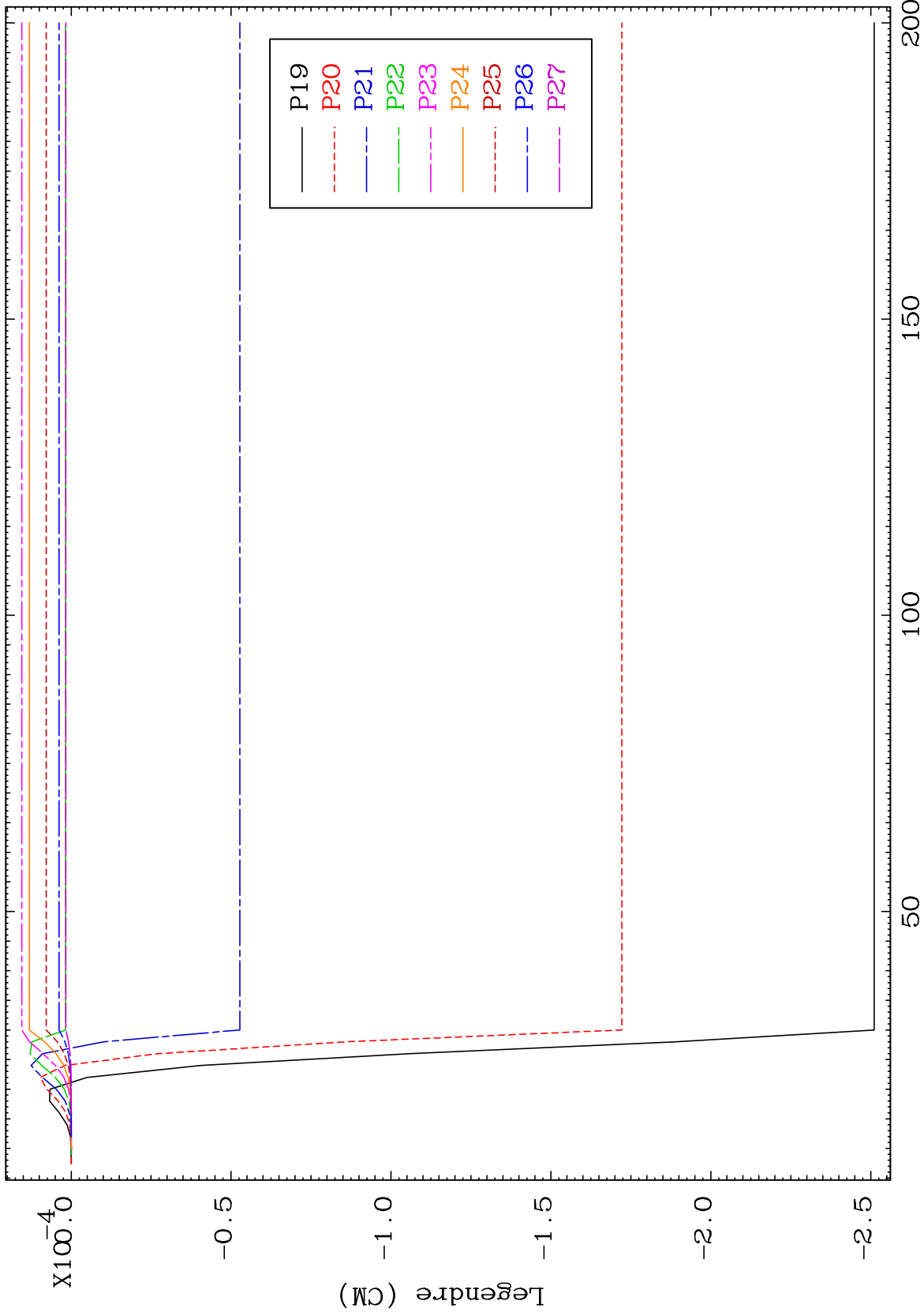
56-Ba-143

MAT 5664

MT= 64 (n,n') Level

56-Ba-143

Legendre Coefficients



74

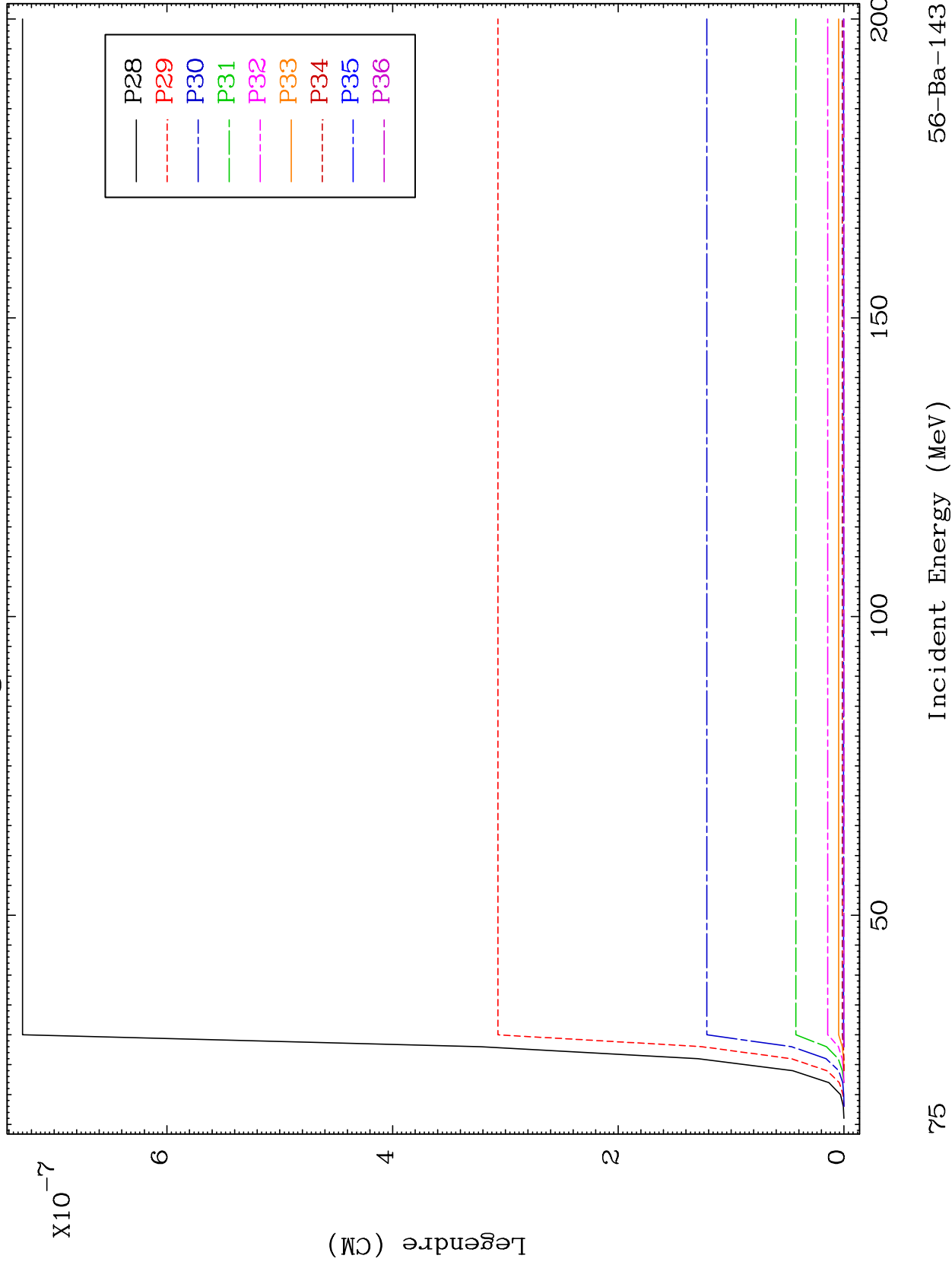
Incident Energy (MeV)

56-Ba-143

MAT 5664

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

56-Ba-143



75

Incident Energy (MeV)

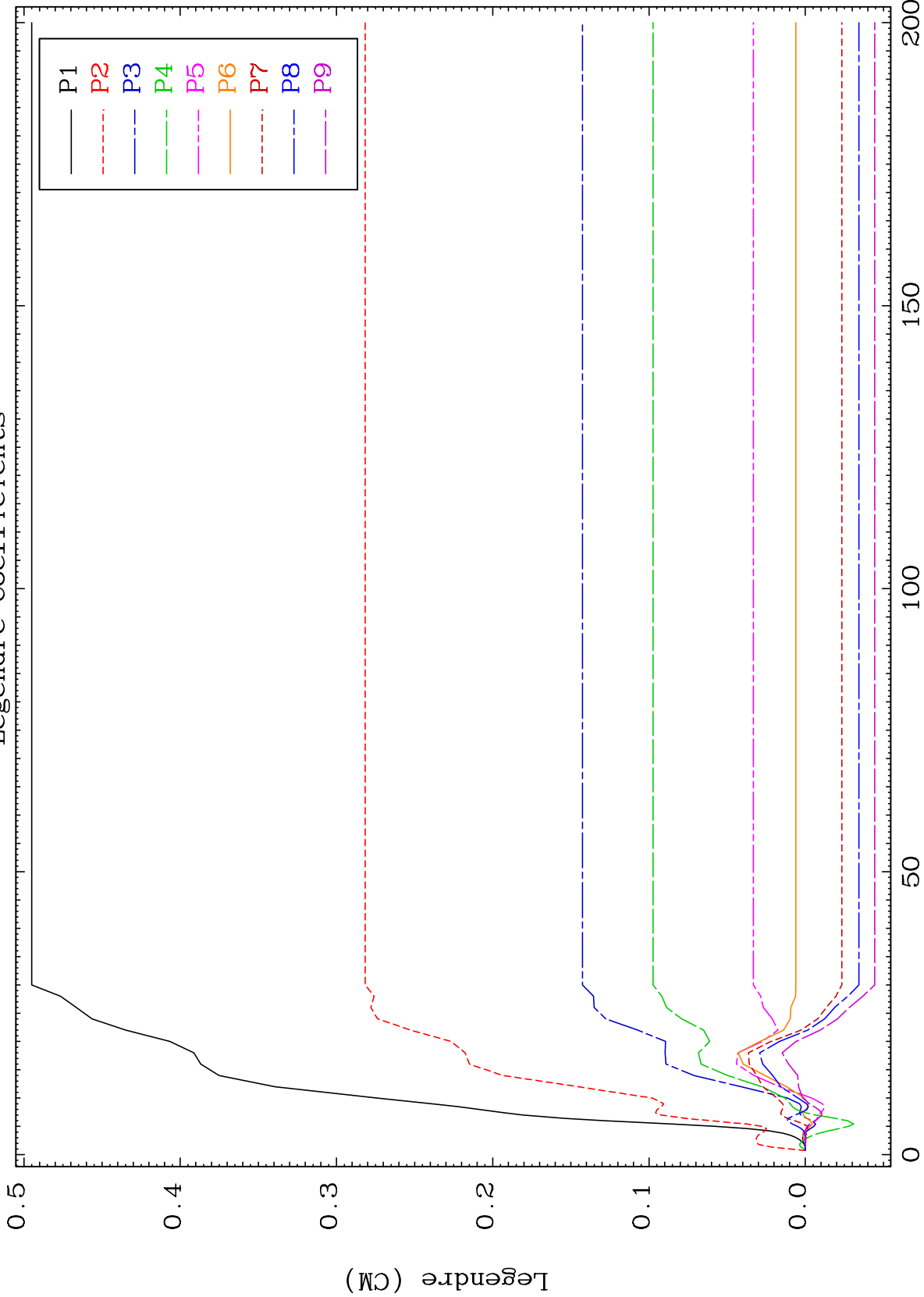
56-Ba-143

MAT 5664

MT= 65 (n,n') Level

56-Ba-143

Legendre Coefficients



76

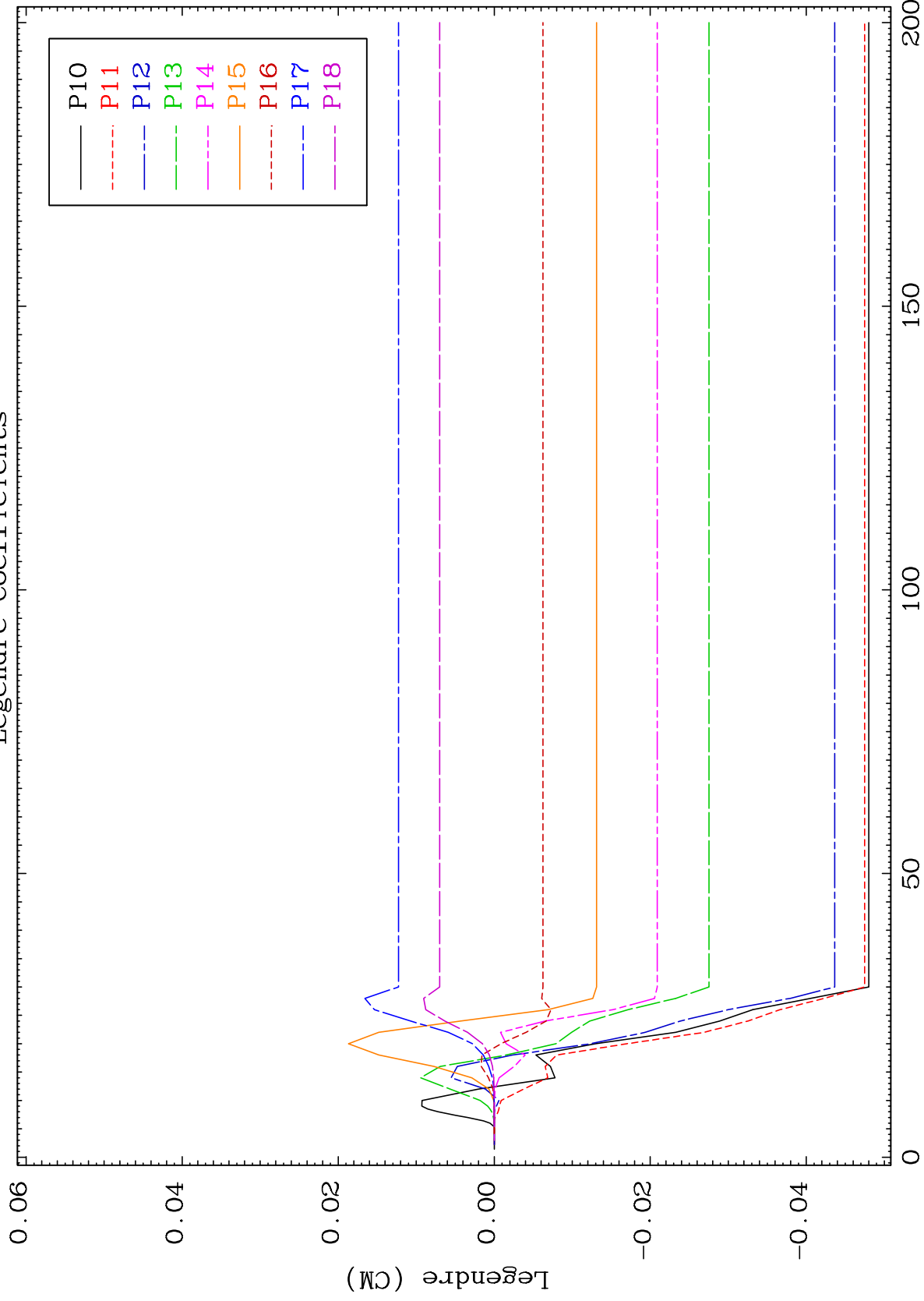
Incident Energy (MeV)

56-Ba-143

MAT 5664

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

56-Ba-143



77

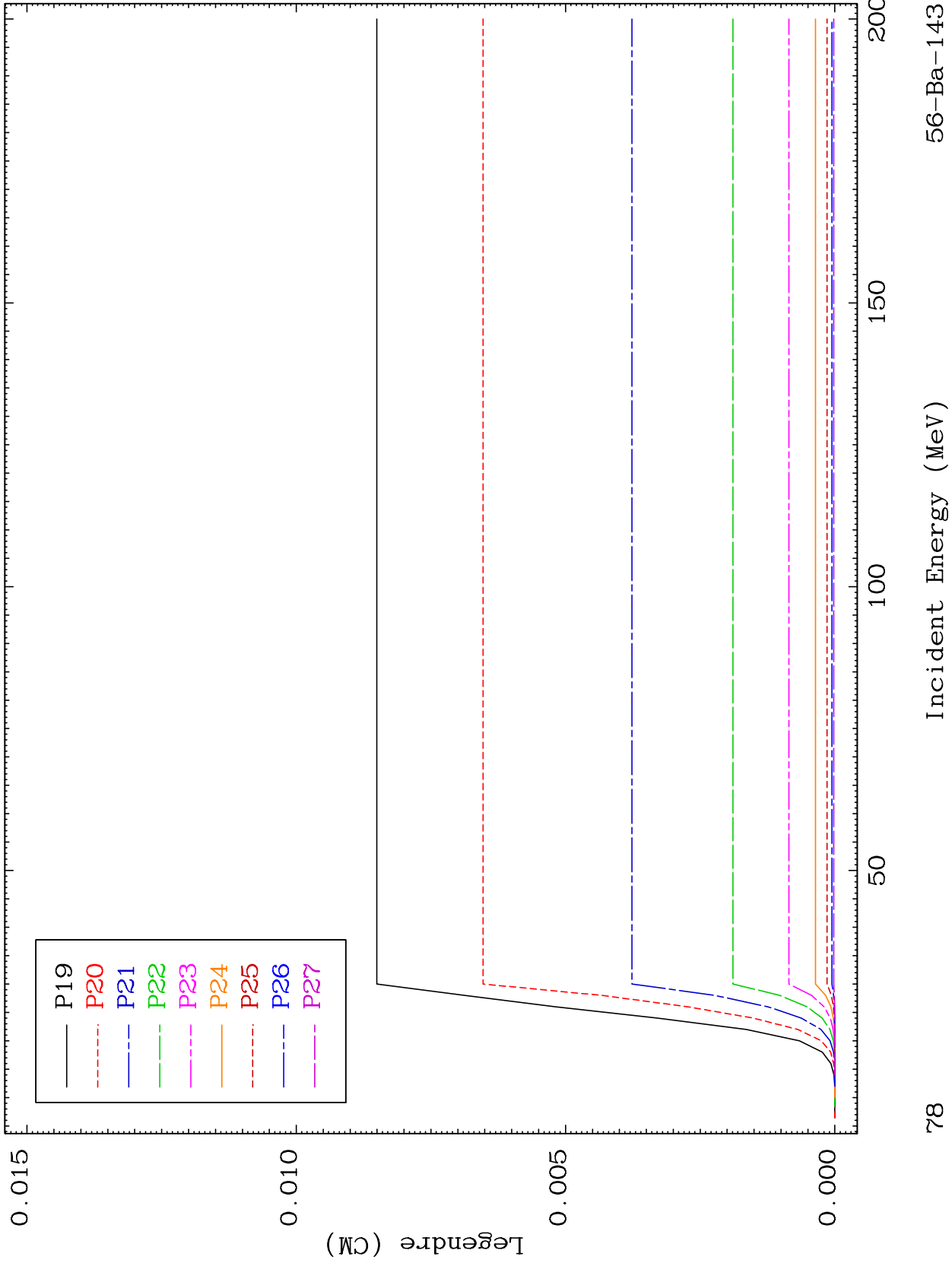
Incident Energy (MeV)

56-Ba-143

MAT 5664

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

56-Ba-143



78

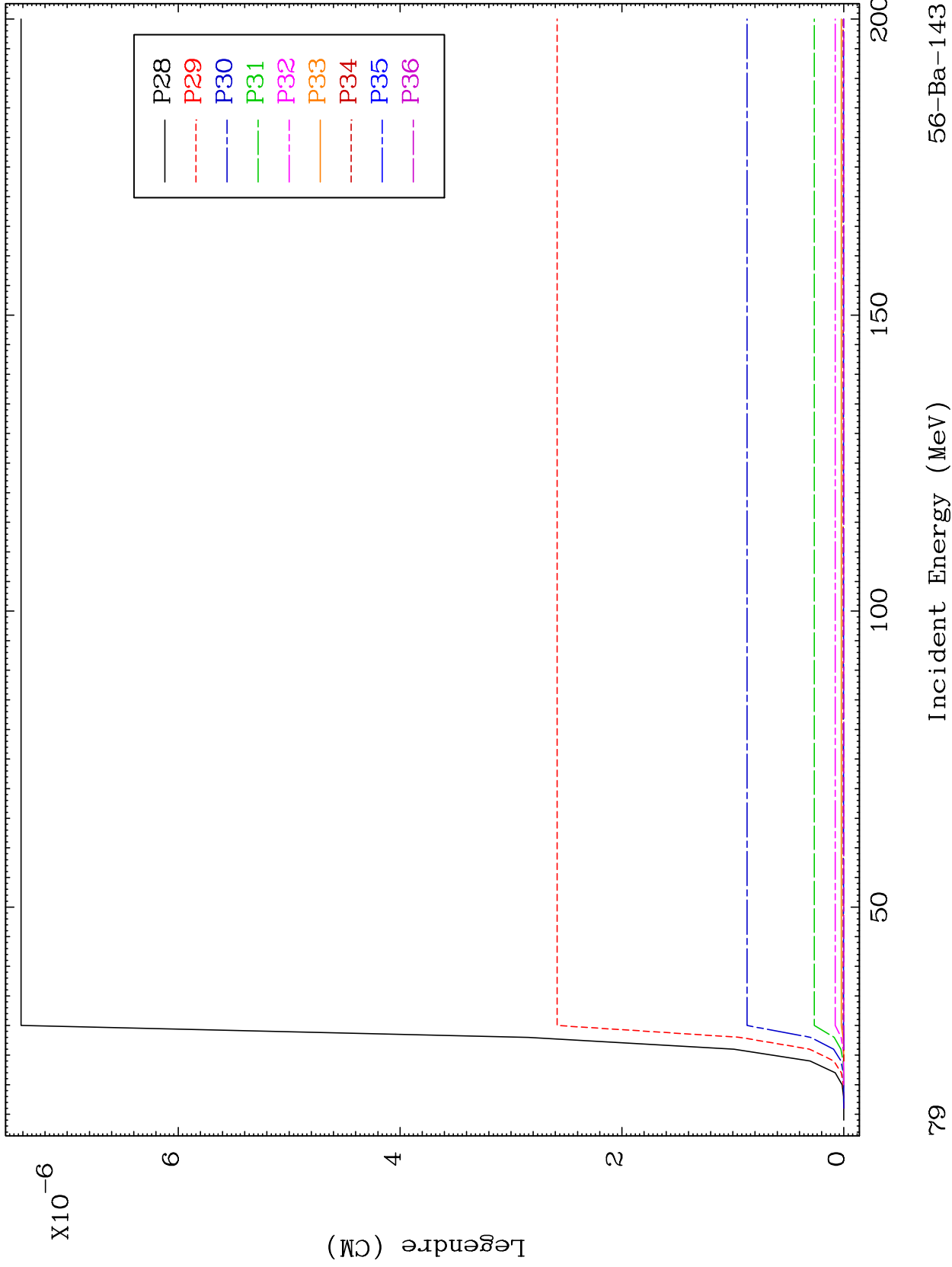
Incident Energy (MeV)

56-Ba-143

MAT 5664

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

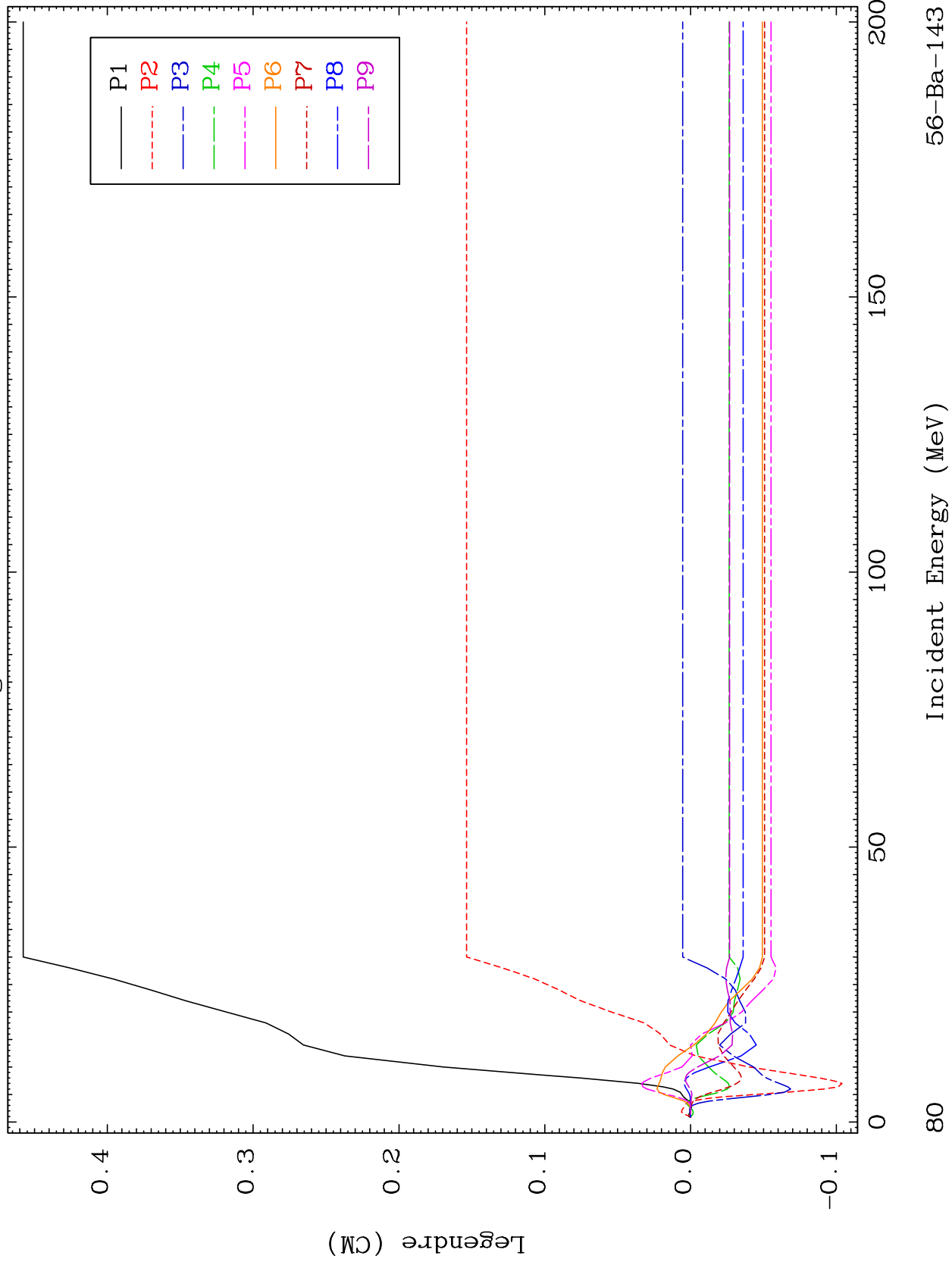
56-Ba-143



MAT 5664

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

56-Ba-143

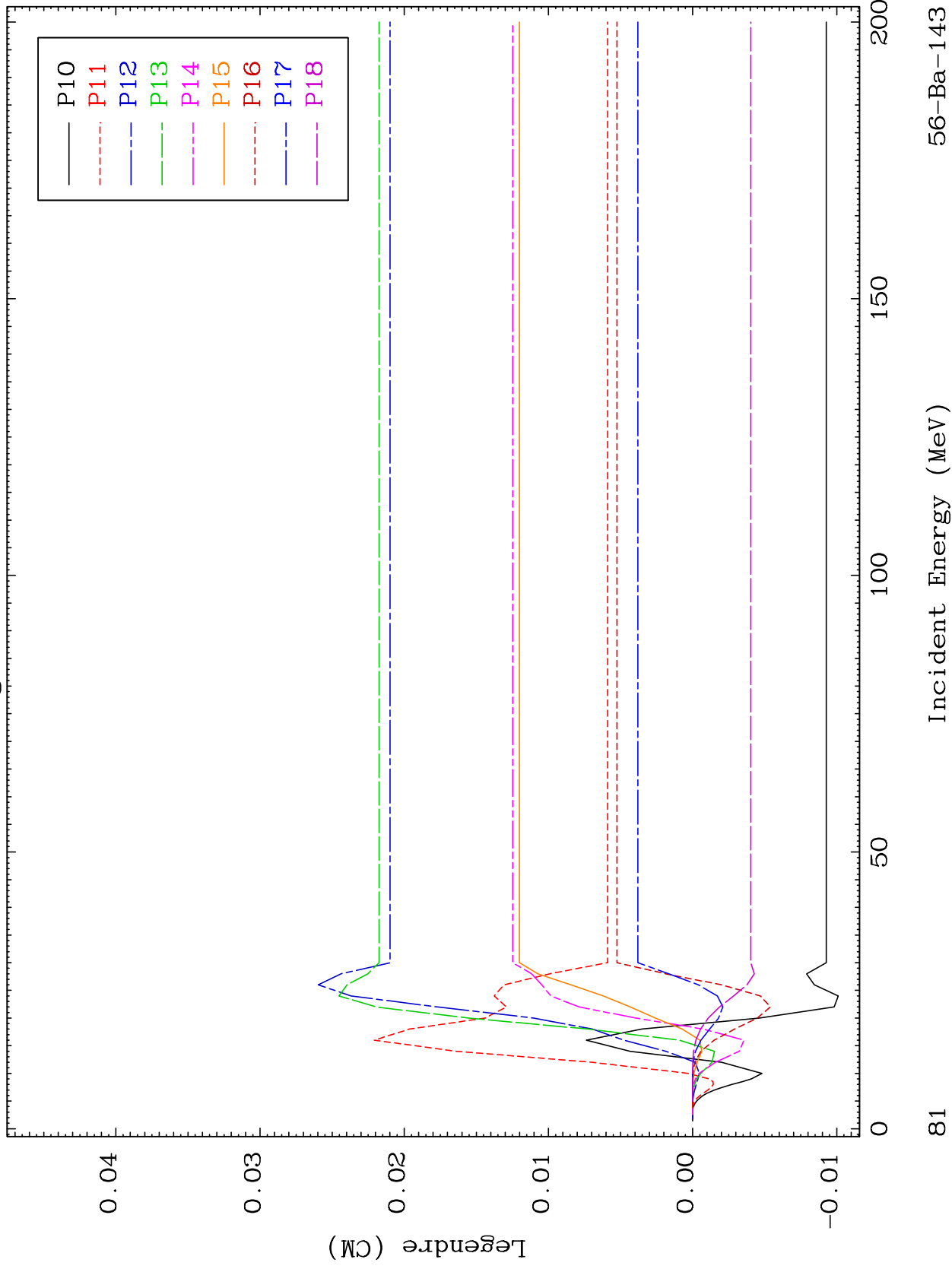


56-Ba-143

MAT 5664

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

56-Ba-143



56-Ba-143

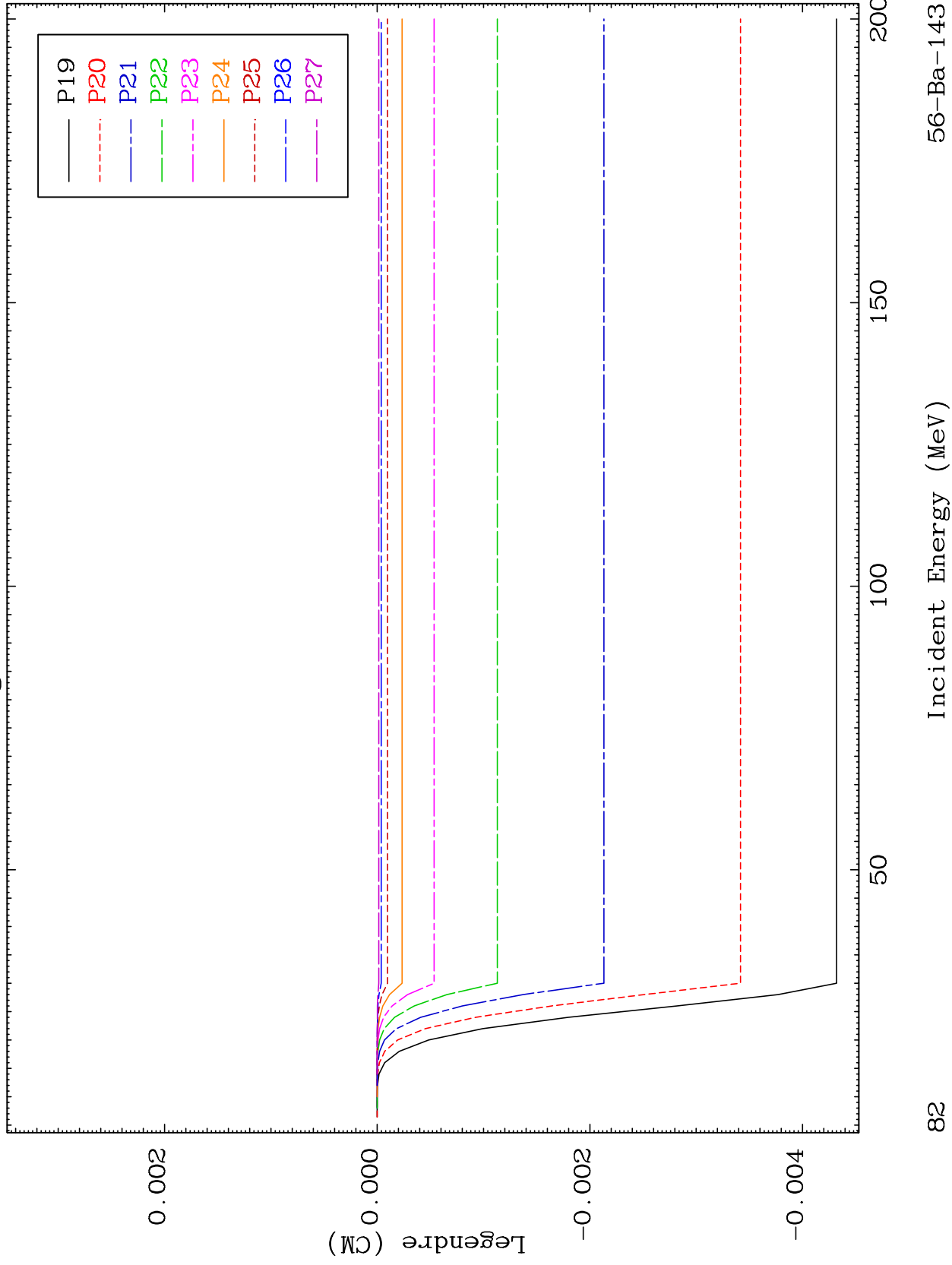
Incident Energy (MeV)

81

MAT 5664

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

56-Ba-143



82

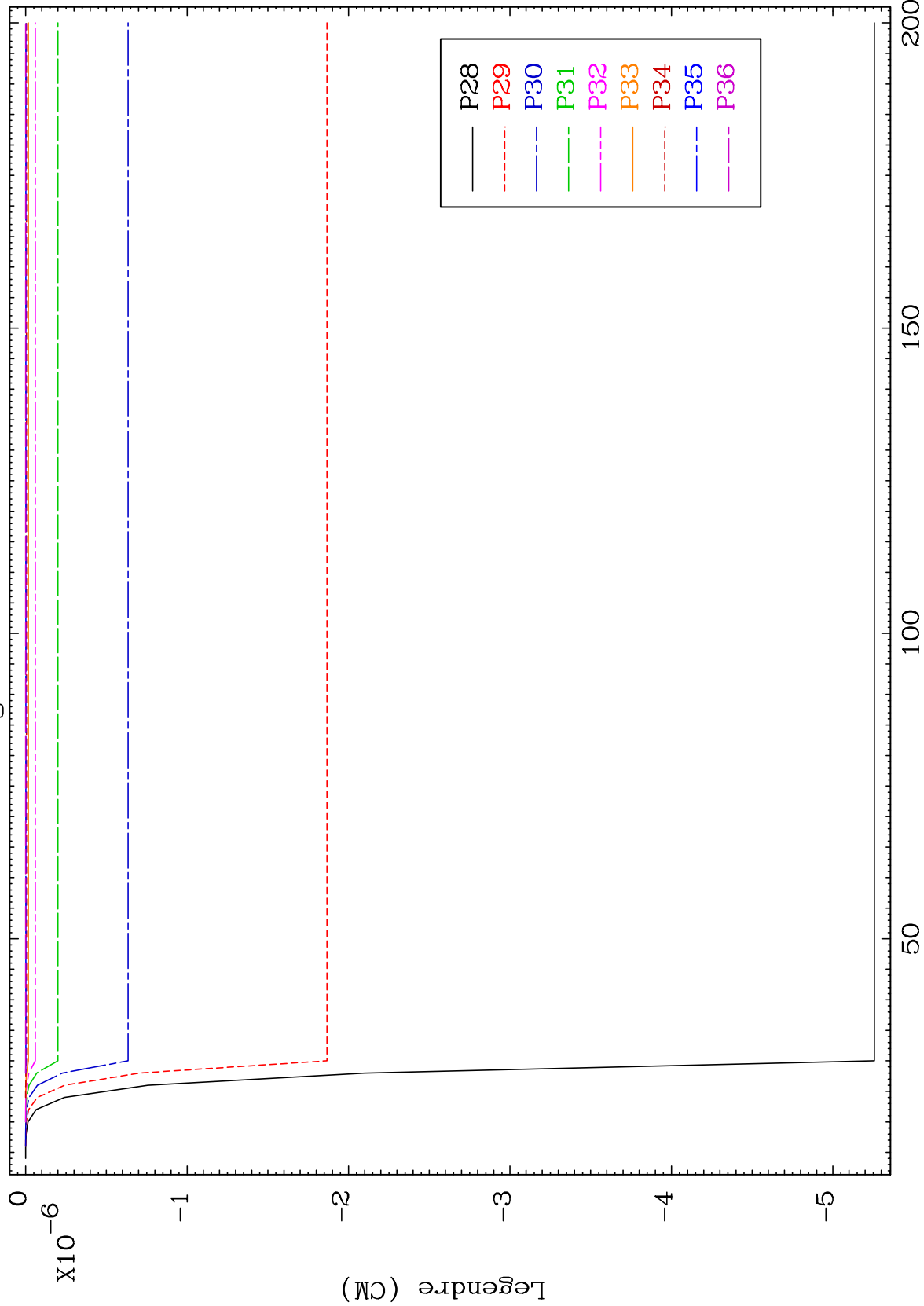
Incident Energy (MeV)

56-Ba-143

MAT 5664

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

56-Ba-143



83

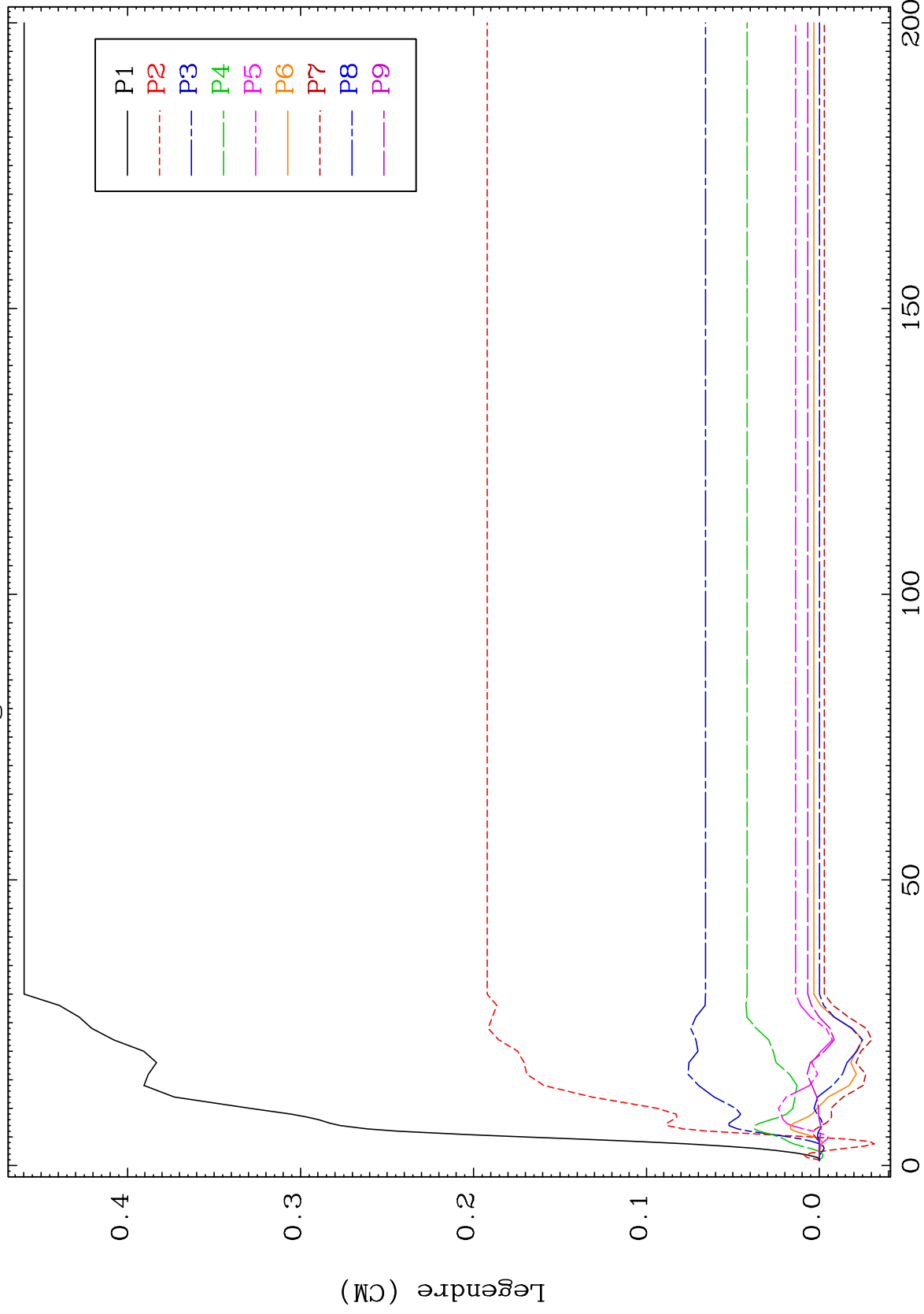
Incident Energy (MeV)

56-Ba-143

MAT 5664

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

56-Ba-143



84

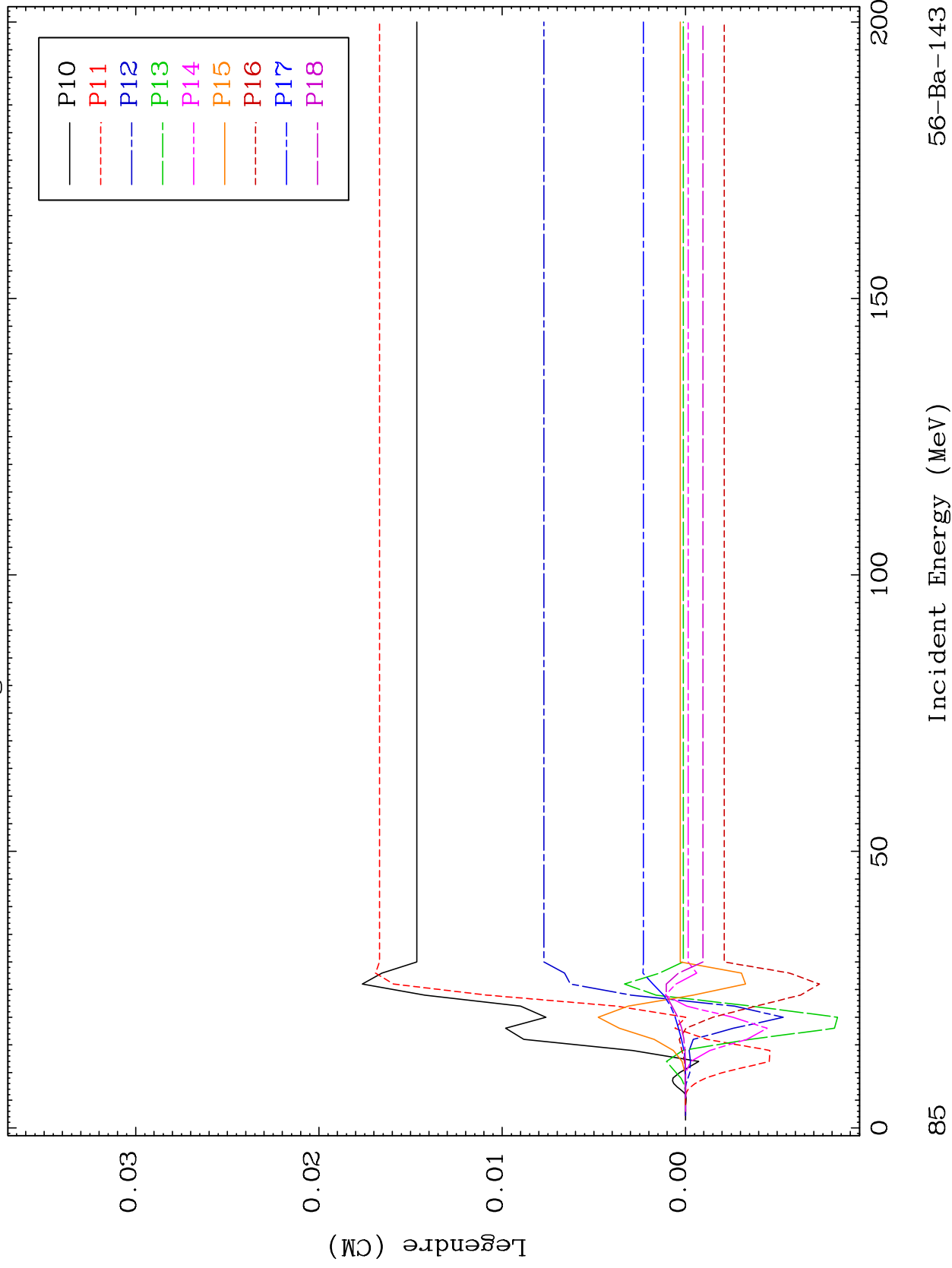
Incident Energy (MeV)

56-Ba-143

MAT 5664

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

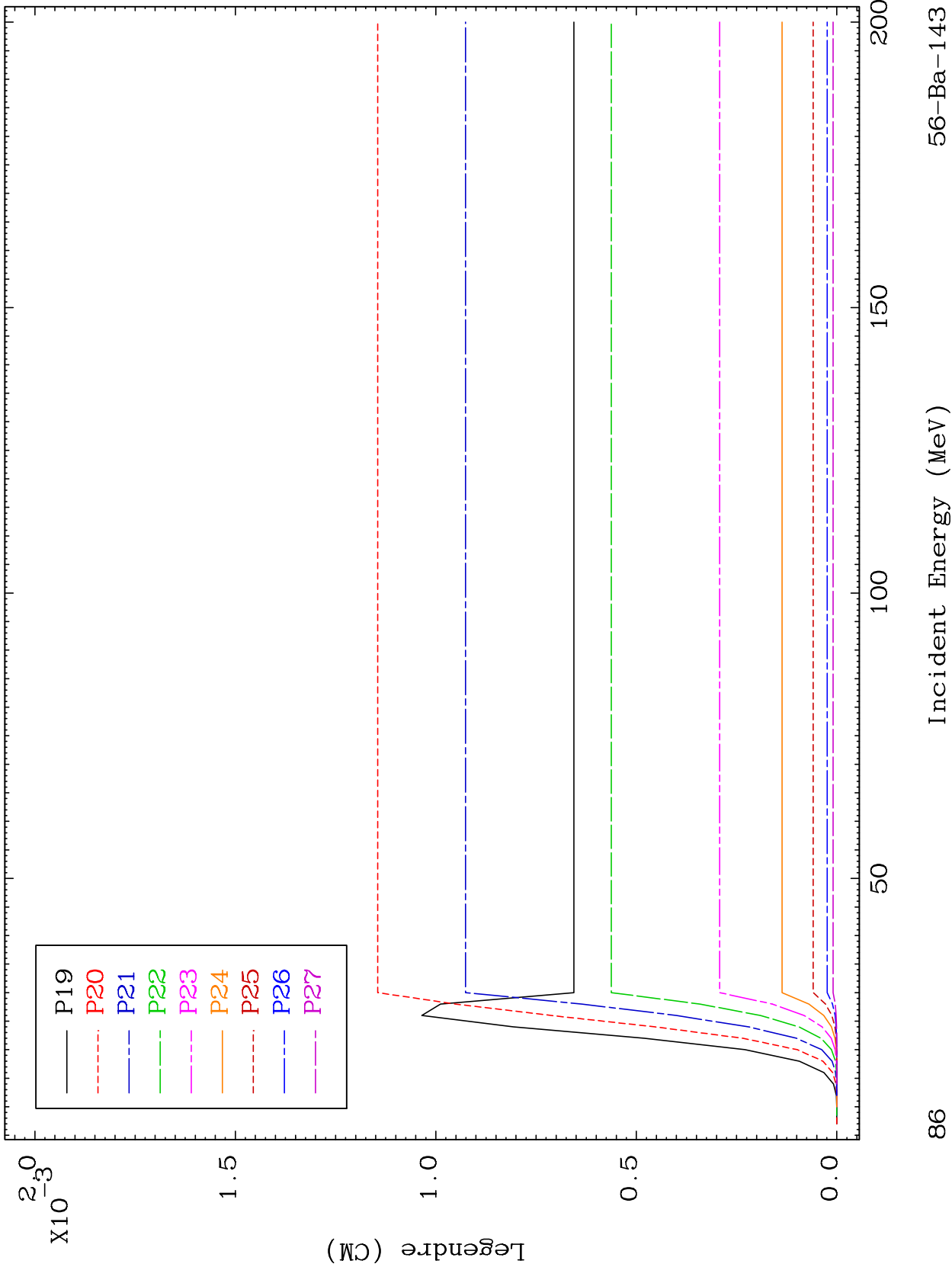
56-Ba-143



56-Ba-143

Incident Energy (MeV)

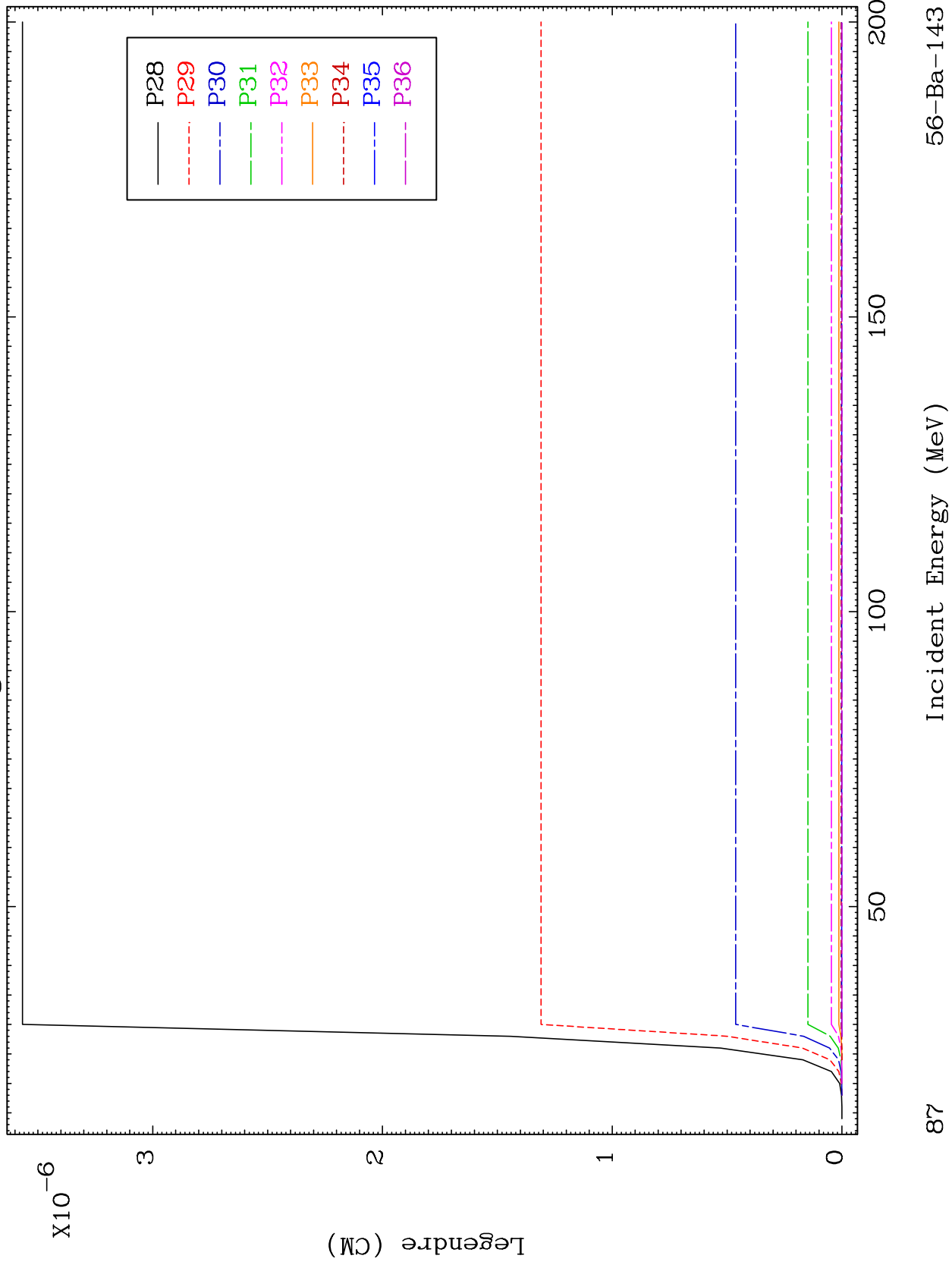
85



MAT 5664

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

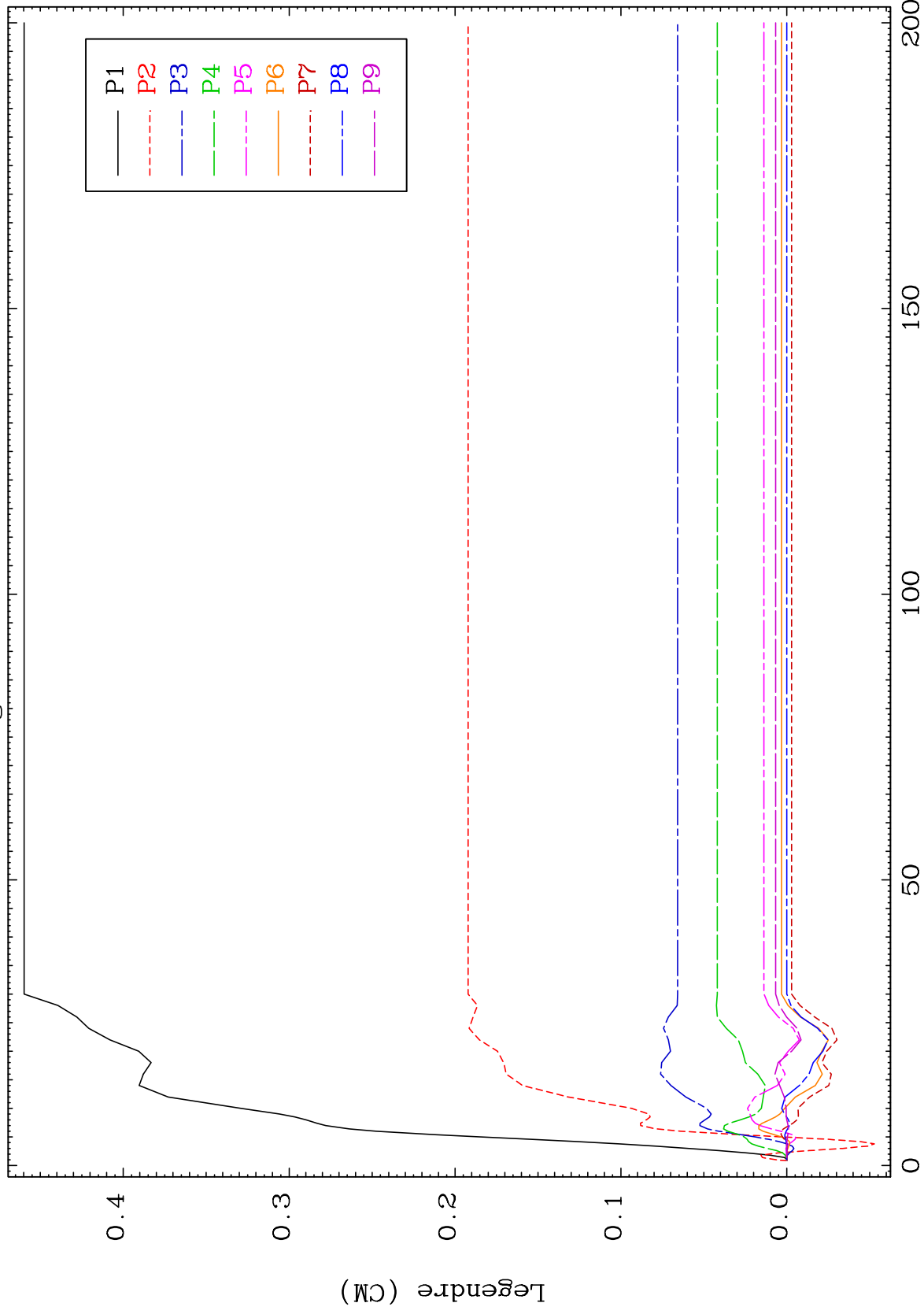
56-Ba-143



MAT 5664

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

56-Ba-143



88

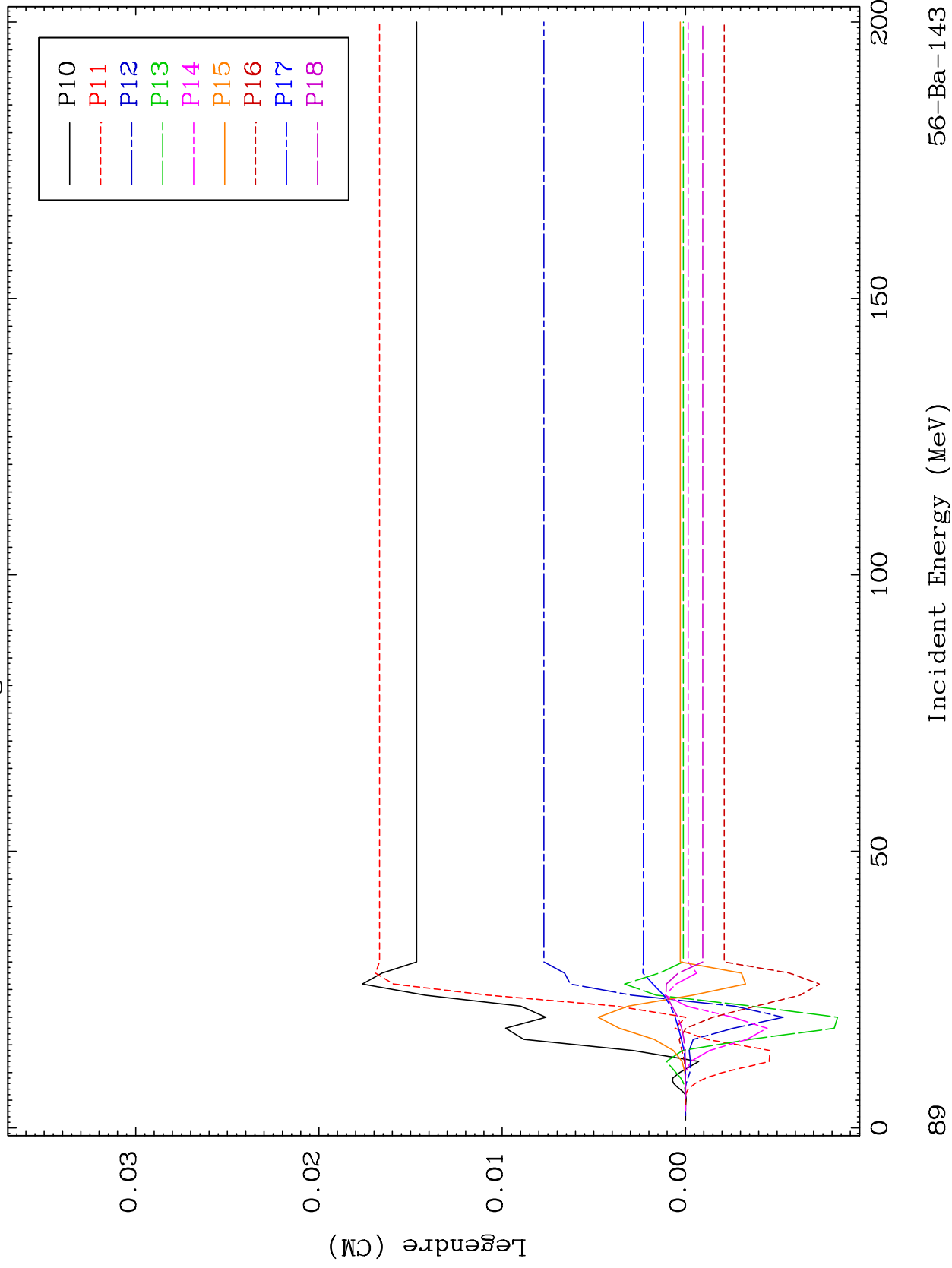
Incident Energy (MeV)

56-Ba-143

MAT 5664

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

56-Ba-143



89

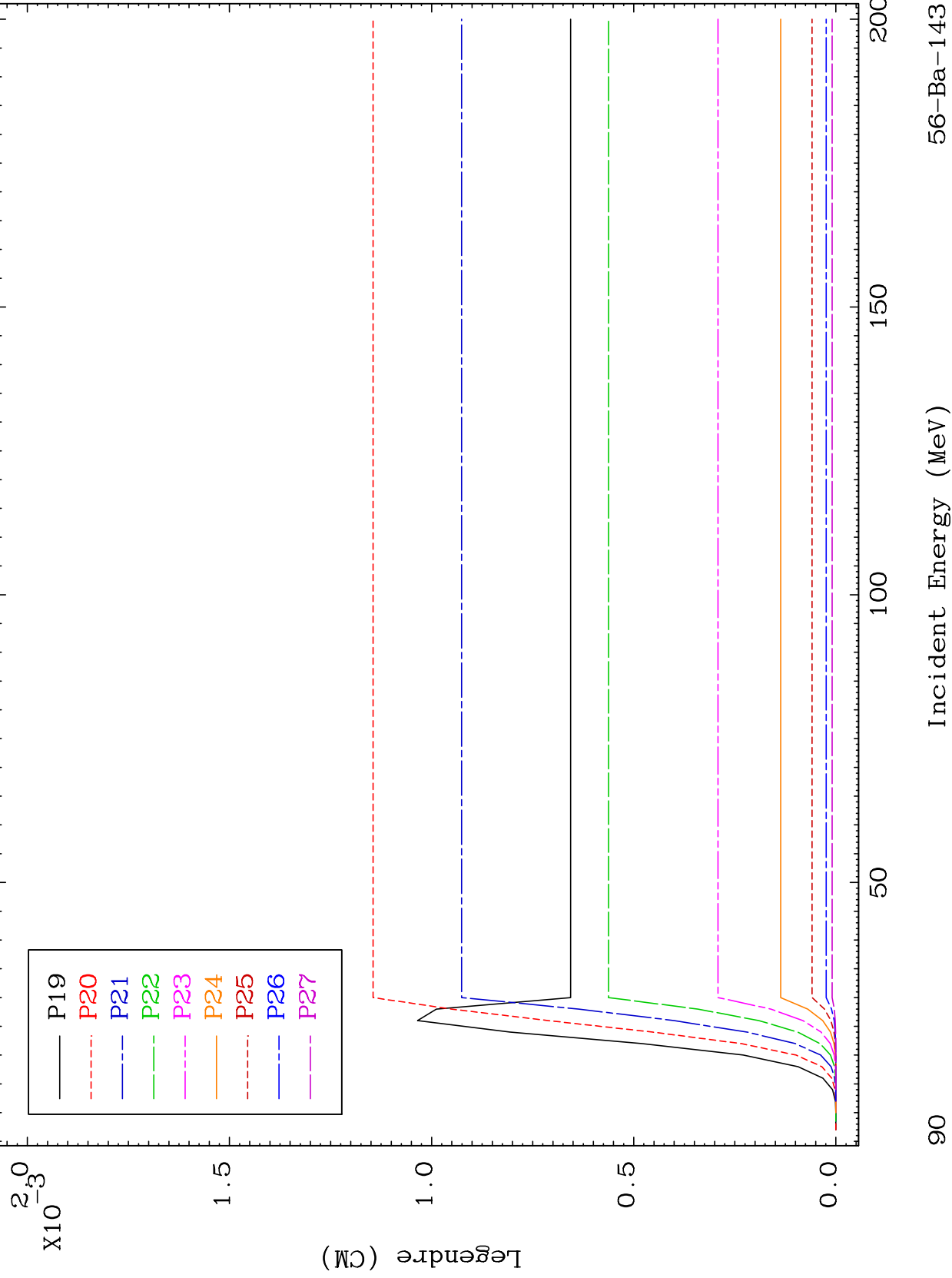
Incident Energy (MeV)

56-Ba-143

MAT 5664

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

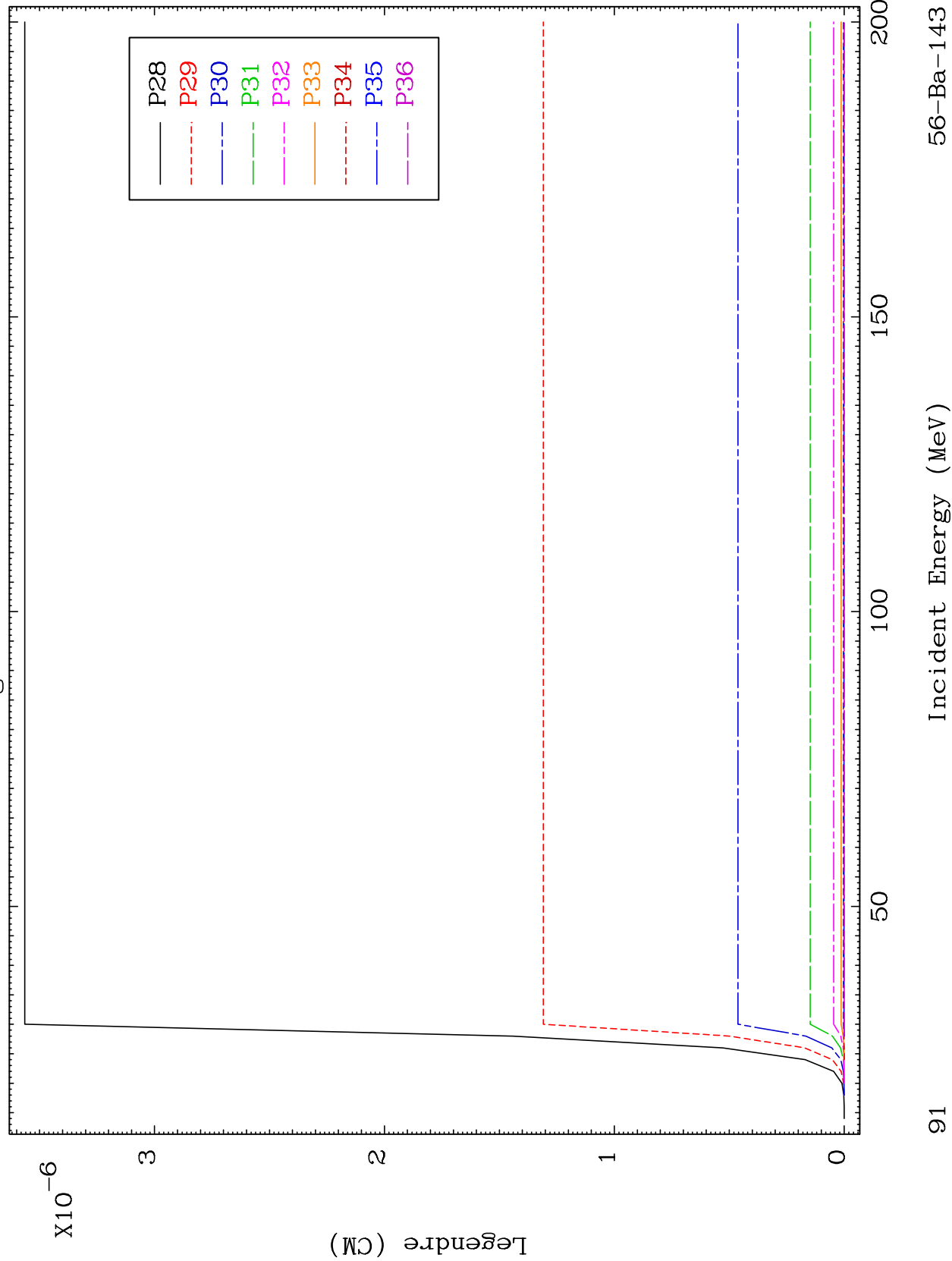
56-Ba-143



MAT 5664

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

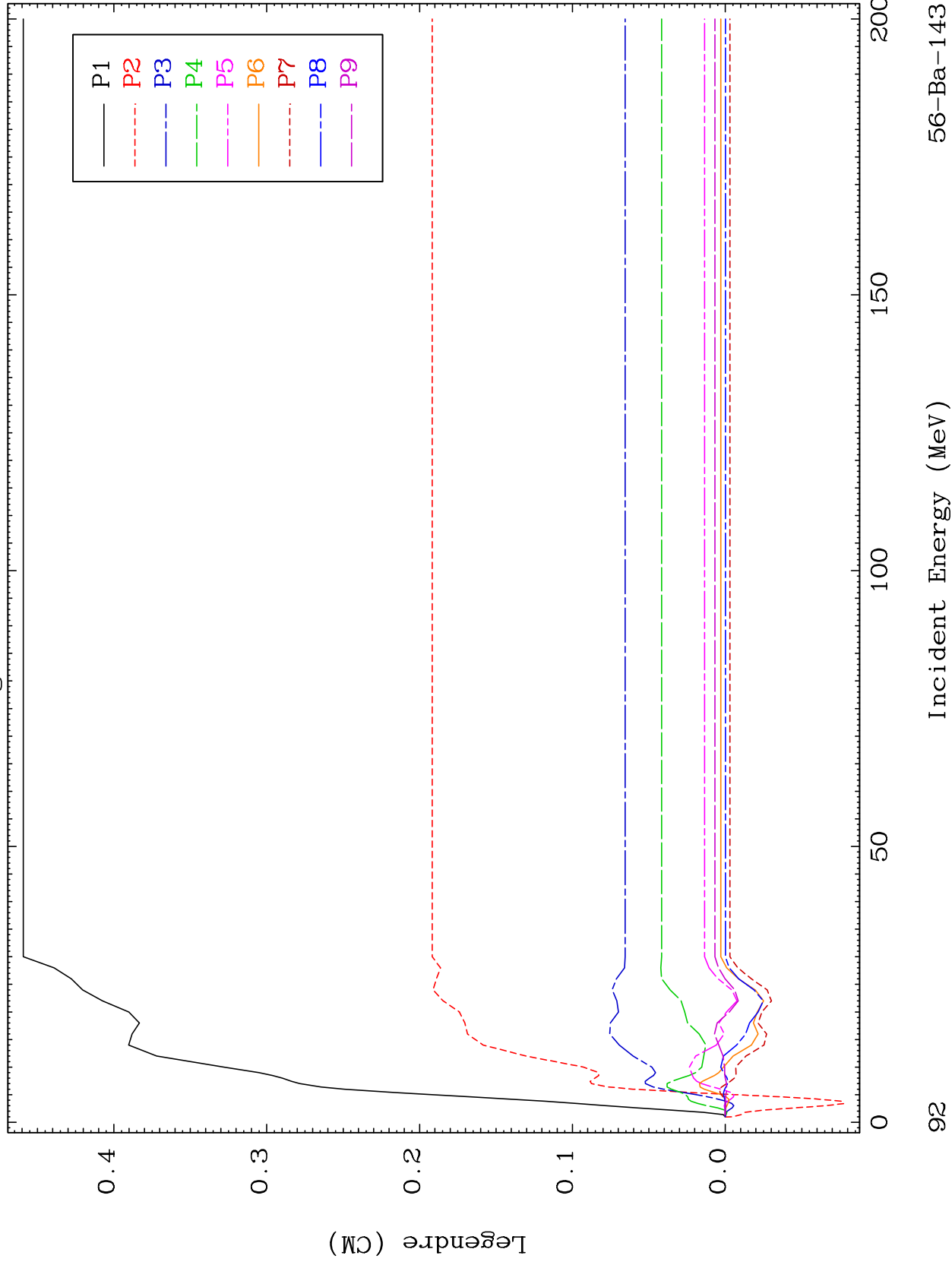
56-Ba-143



MAT 5664

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

56-Ba-143



56-Ba-143

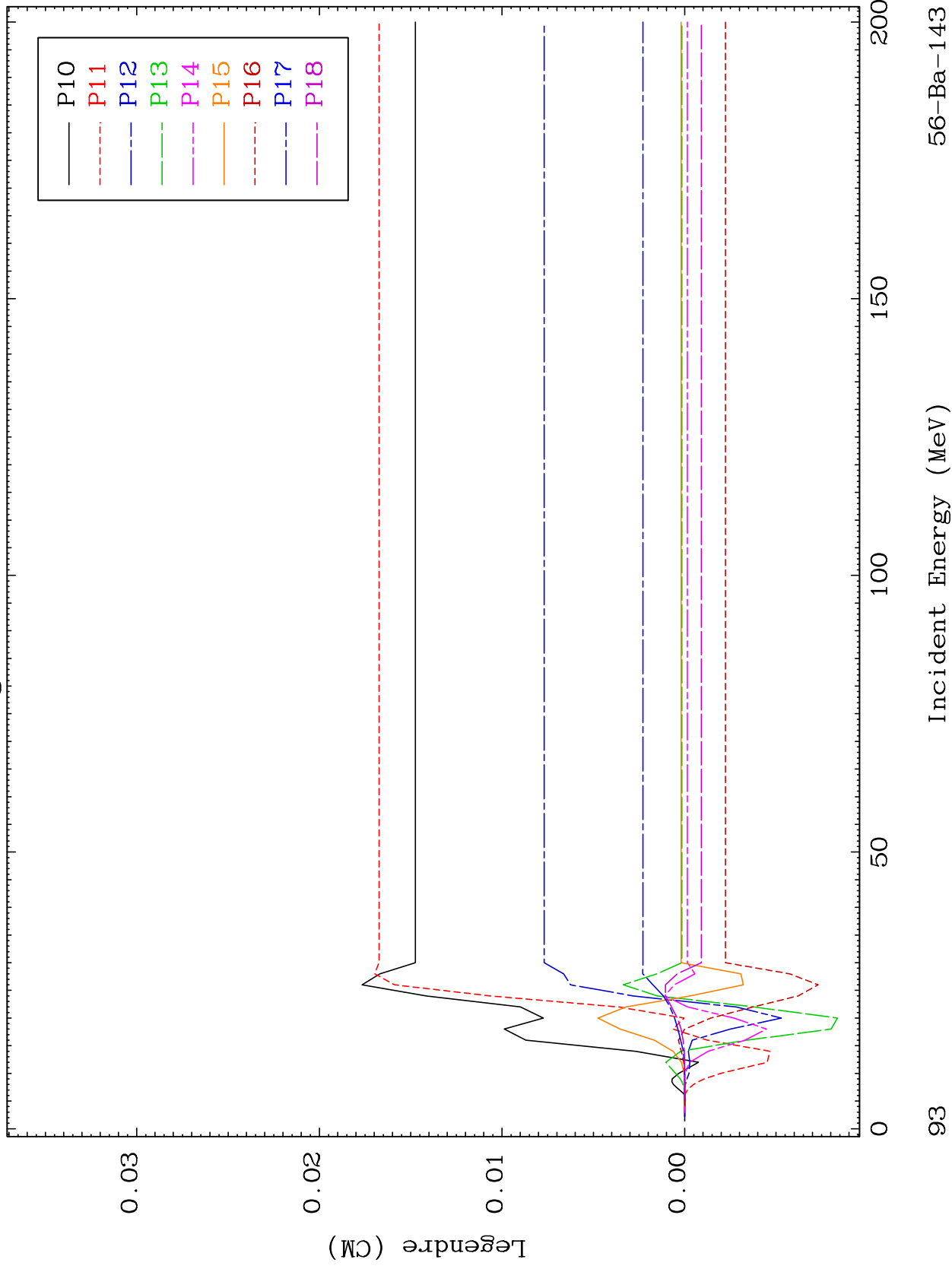
Incident Energy (MeV)

92

MAT 5664

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

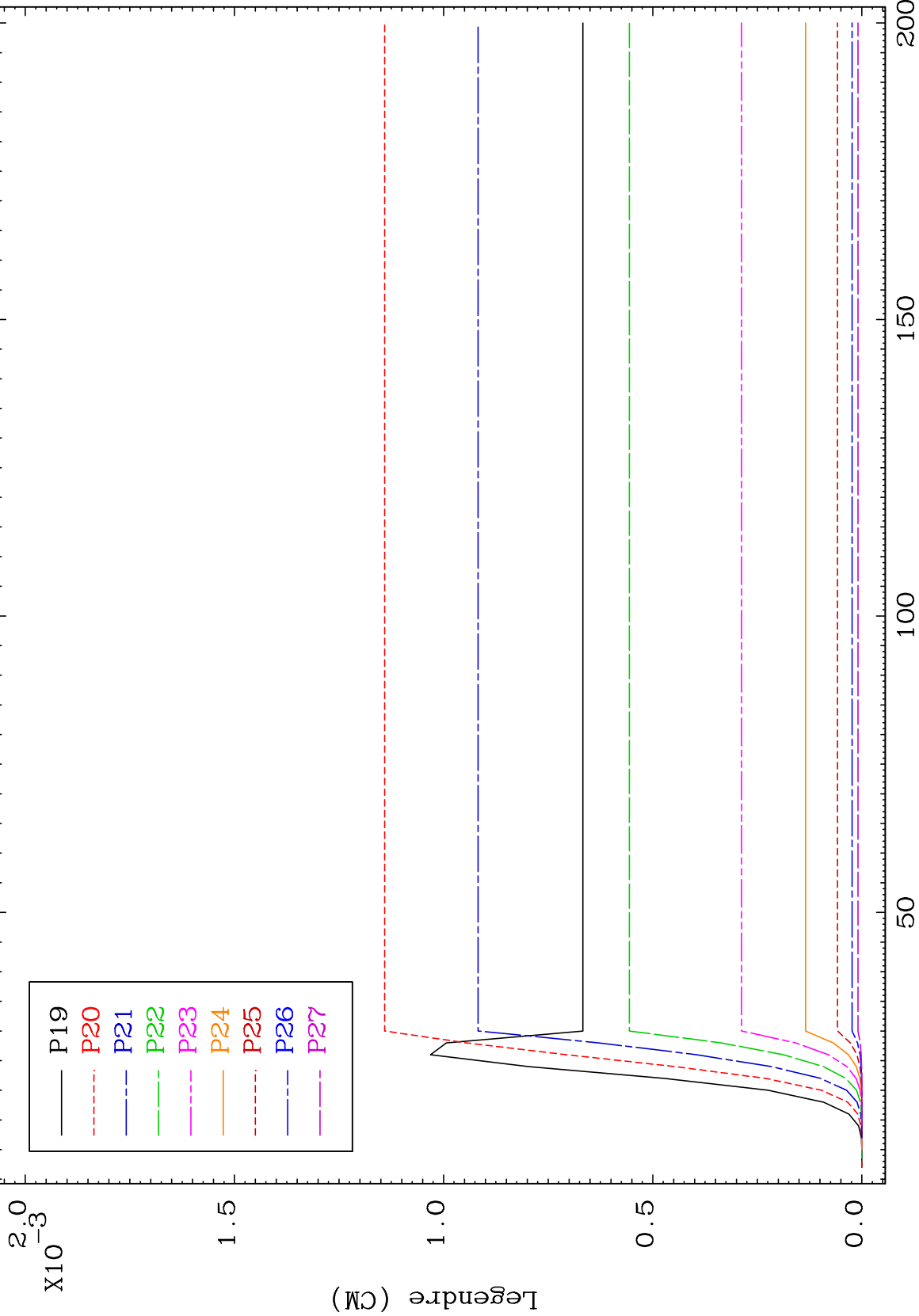
56-Ba-143



MAT 5664

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

56-Ba-143



94

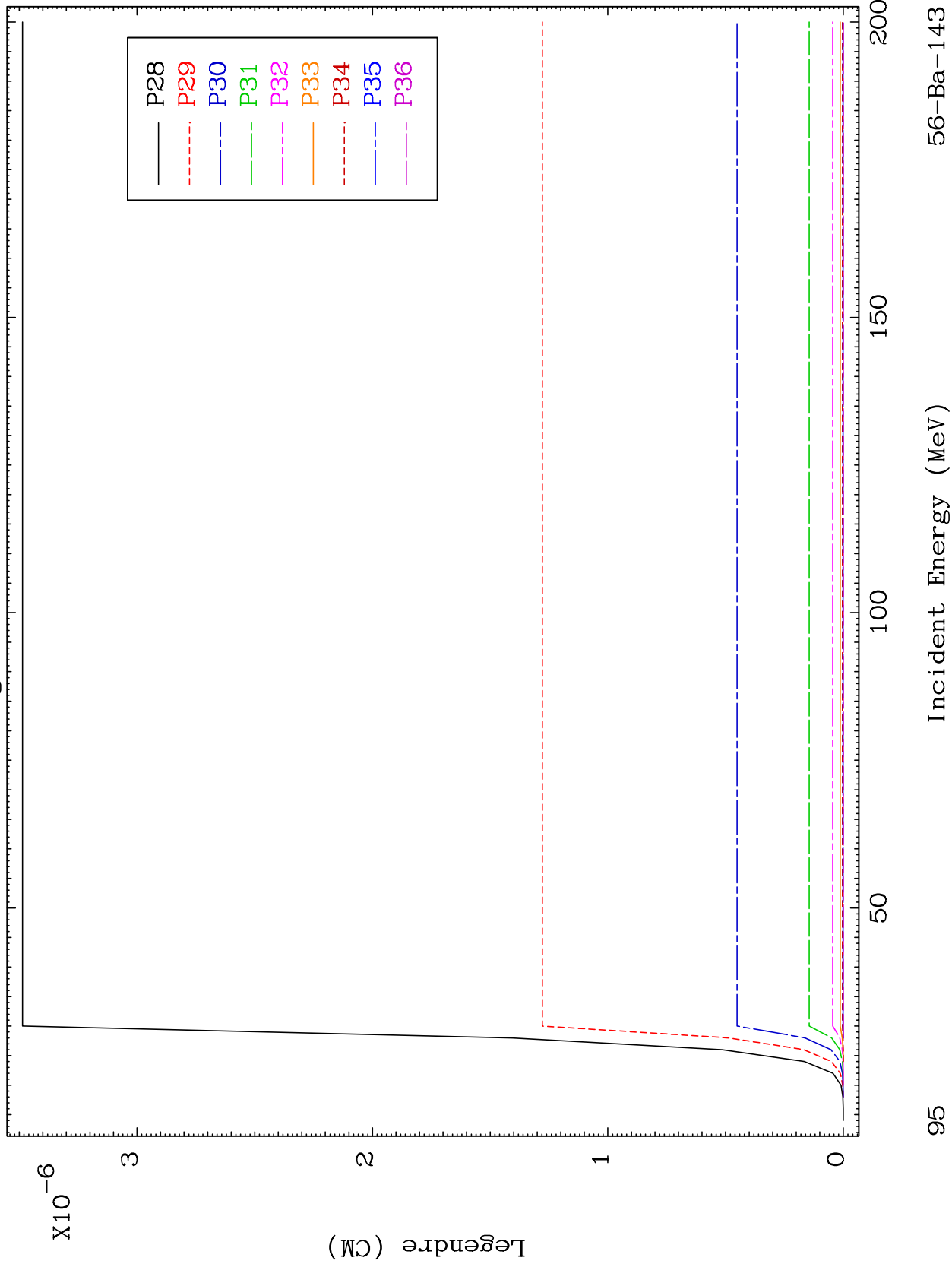
Incident Energy (MeV)

56-Ba-143

MAT 5664

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

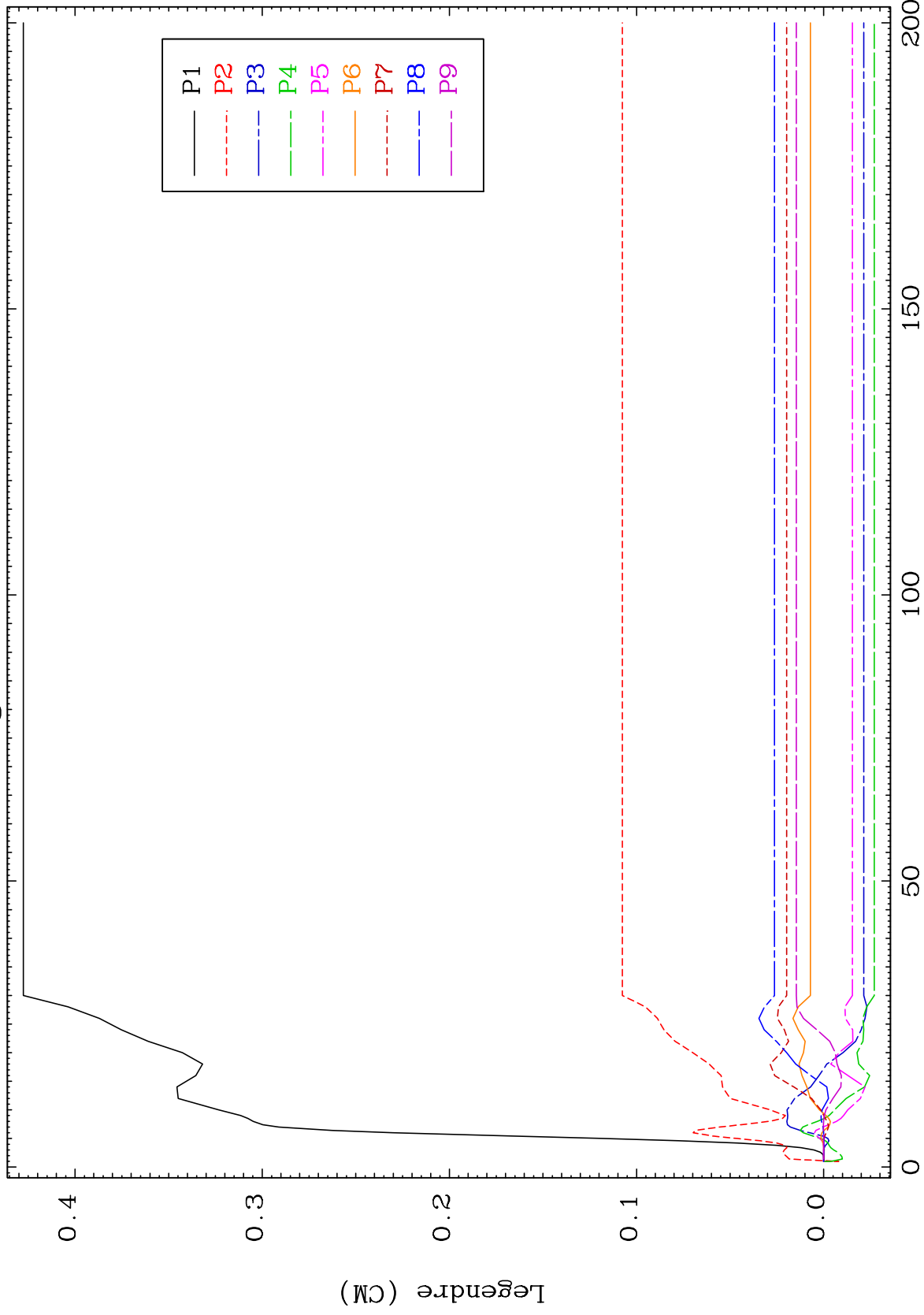
56-Ba-143



MAT 5664

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

56-Ba-143



96

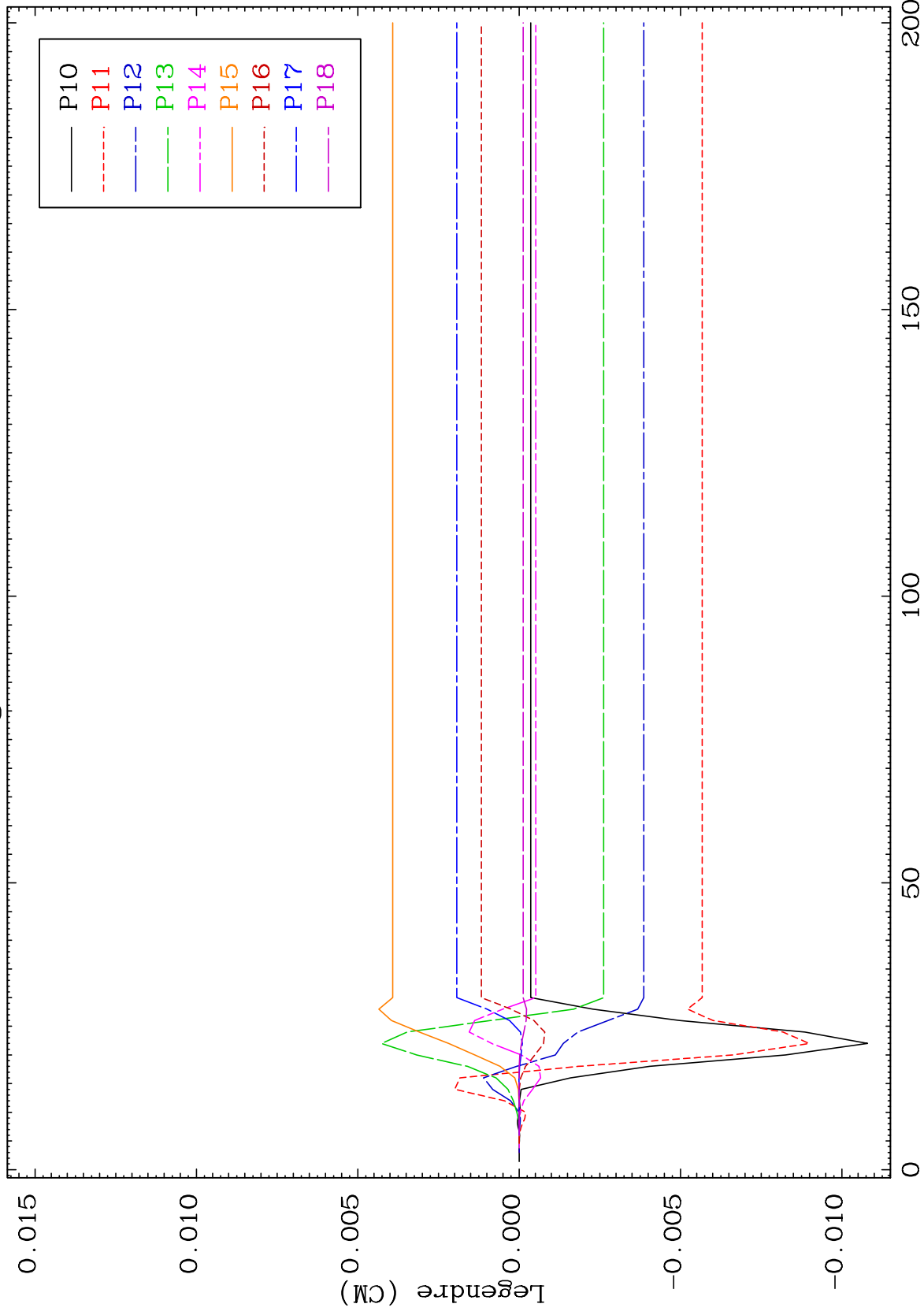
Incident Energy (MeV)

56-Ba-143

MAT 5664

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

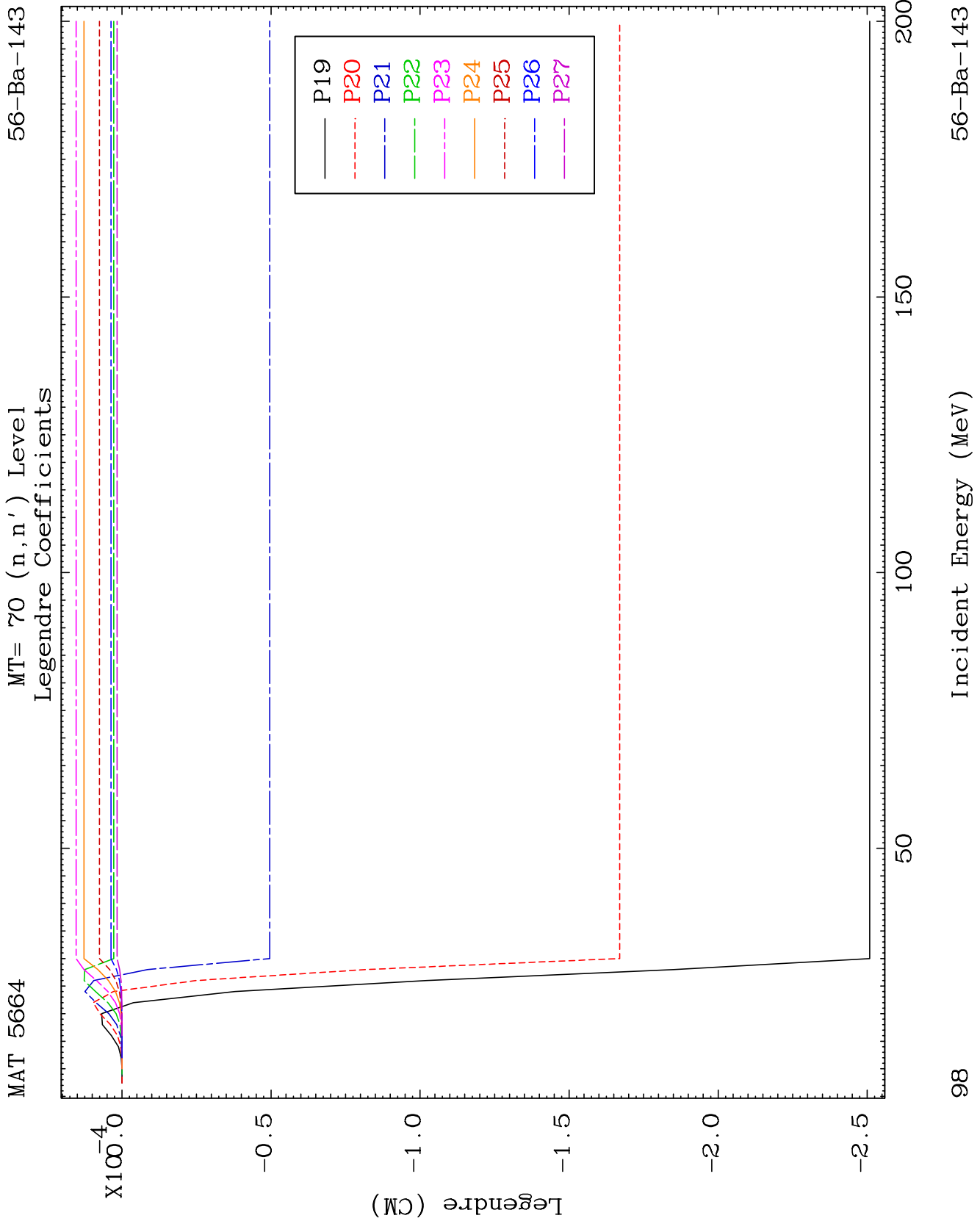
56-Ba-143



97

Incident Energy (MeV)

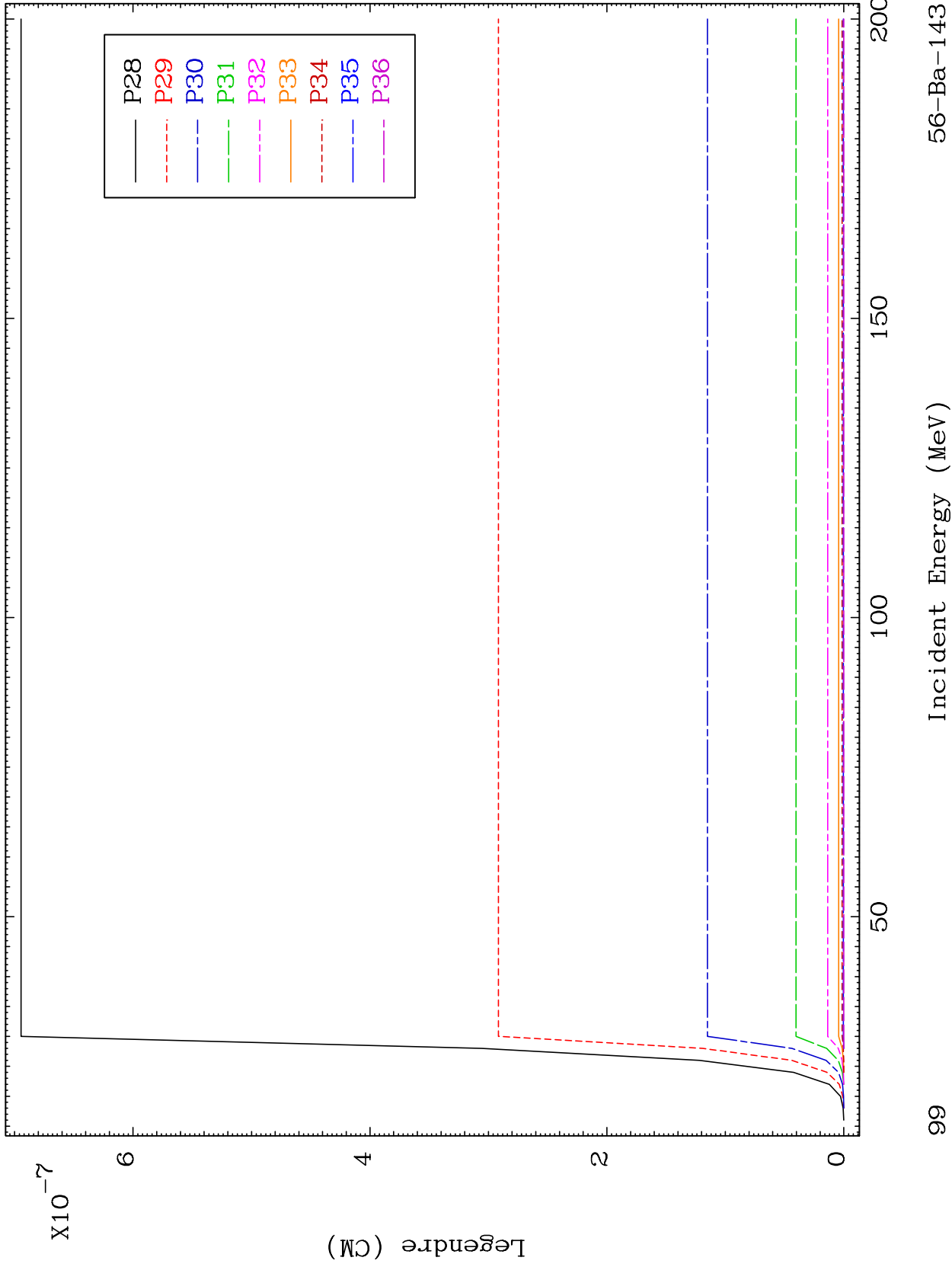
56-Ba-143



MAT 5664

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

56-Ba-143



99

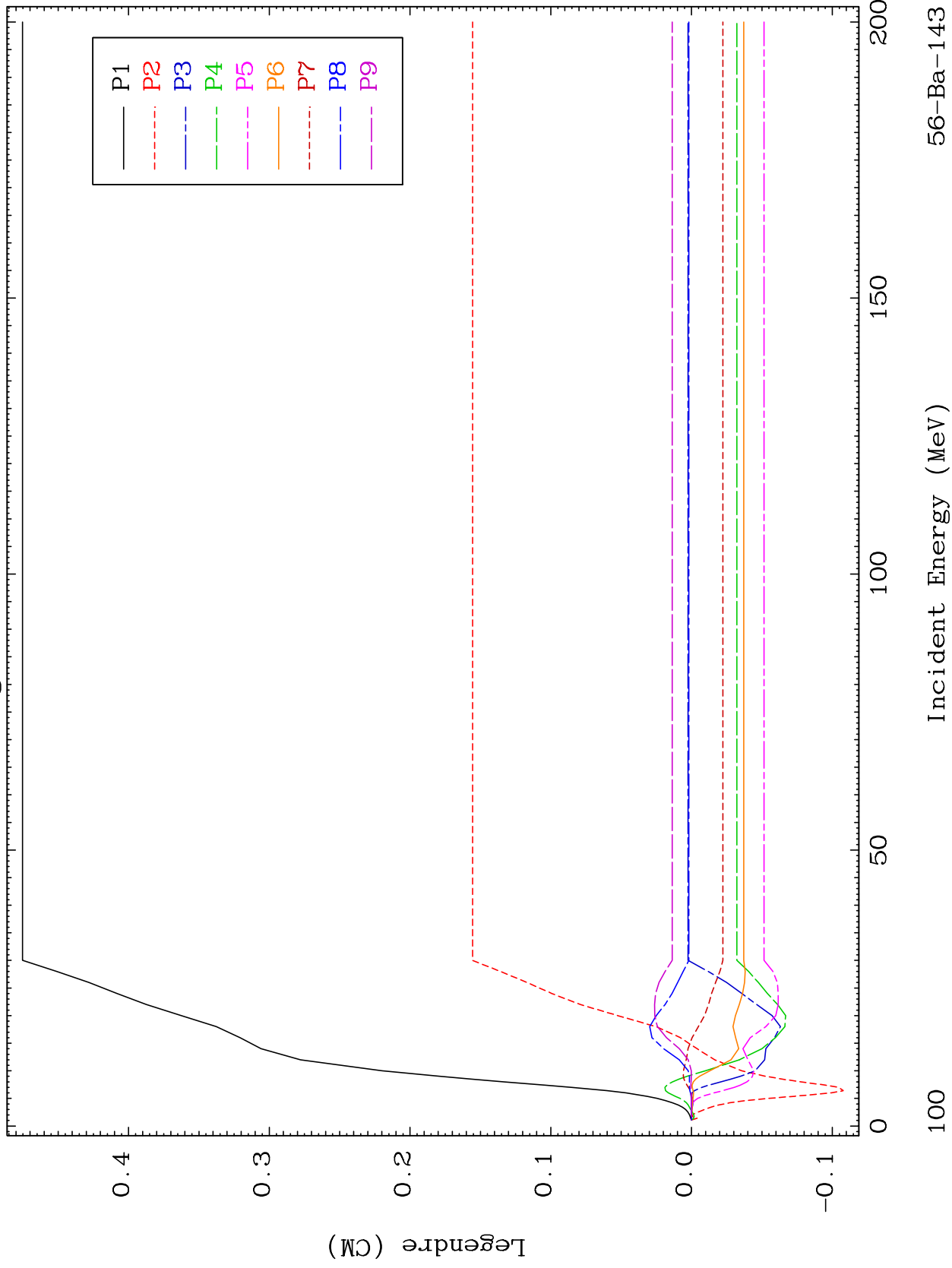
Incident Energy (MeV)

56-Ba-143

MAT 5664

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

56-Ba-143

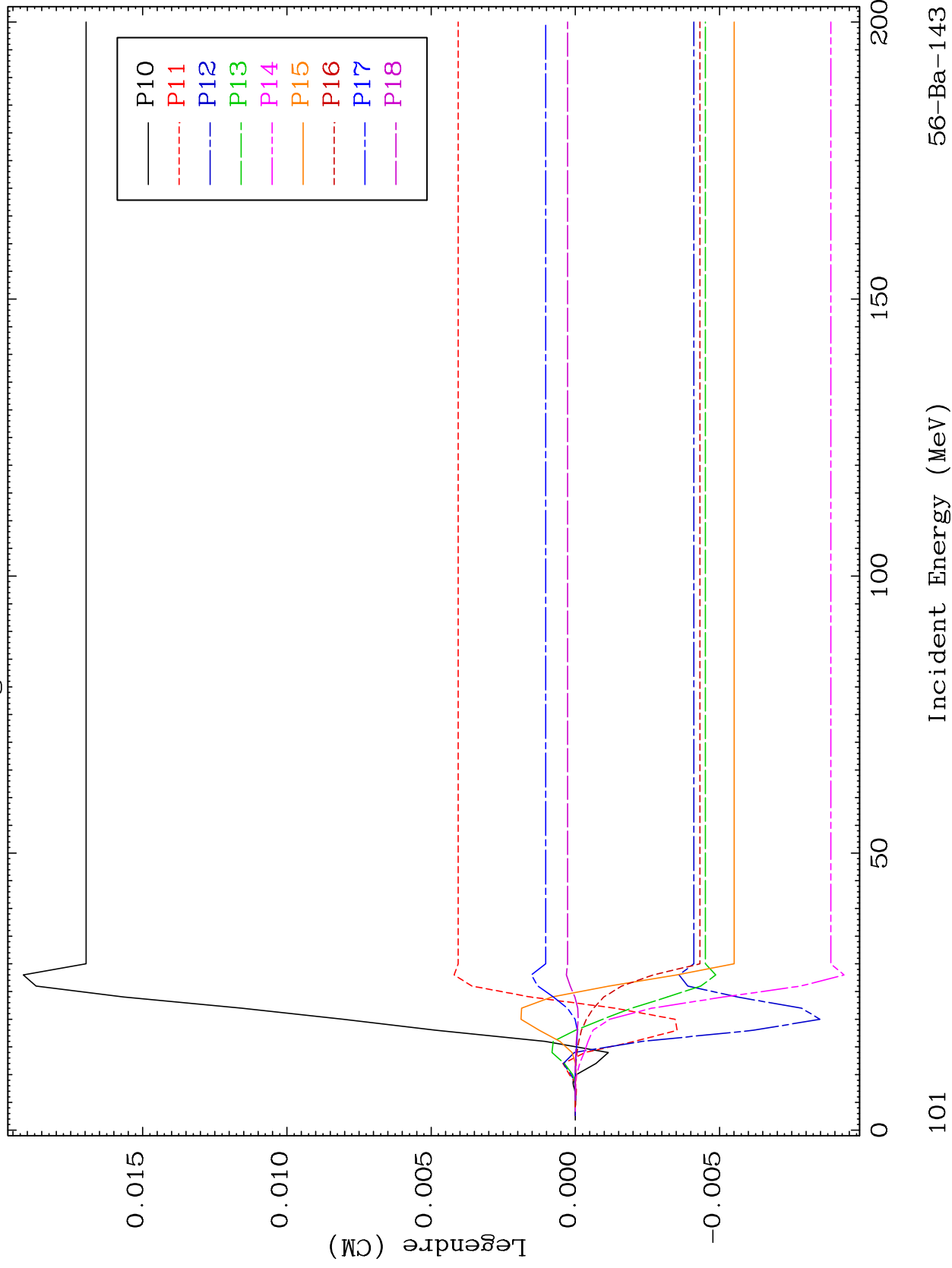


56-Ba-143

MAT 5664

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

56-Ba-143



101

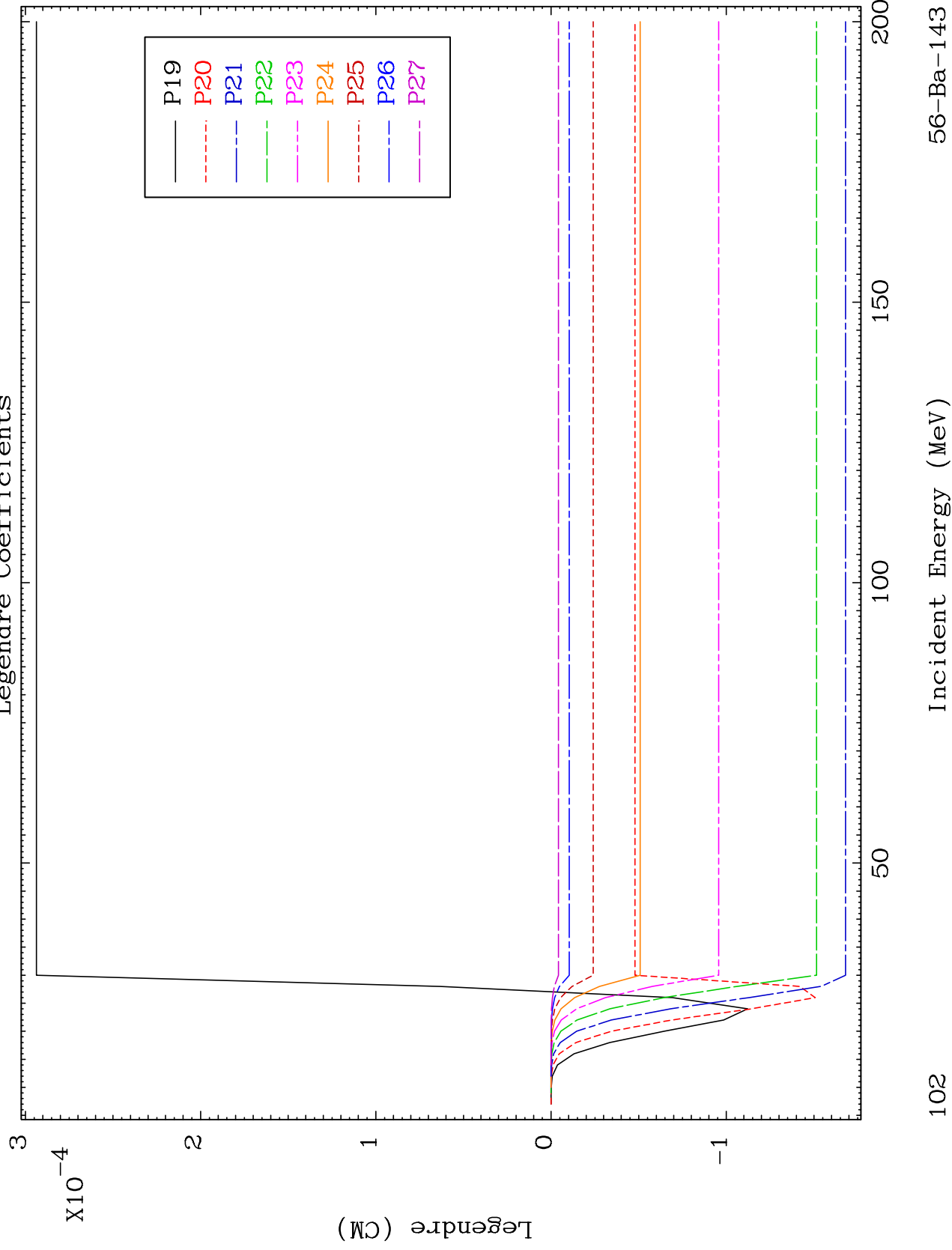
Incident Energy (MeV)

56-Ba-143

MAT 5664

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

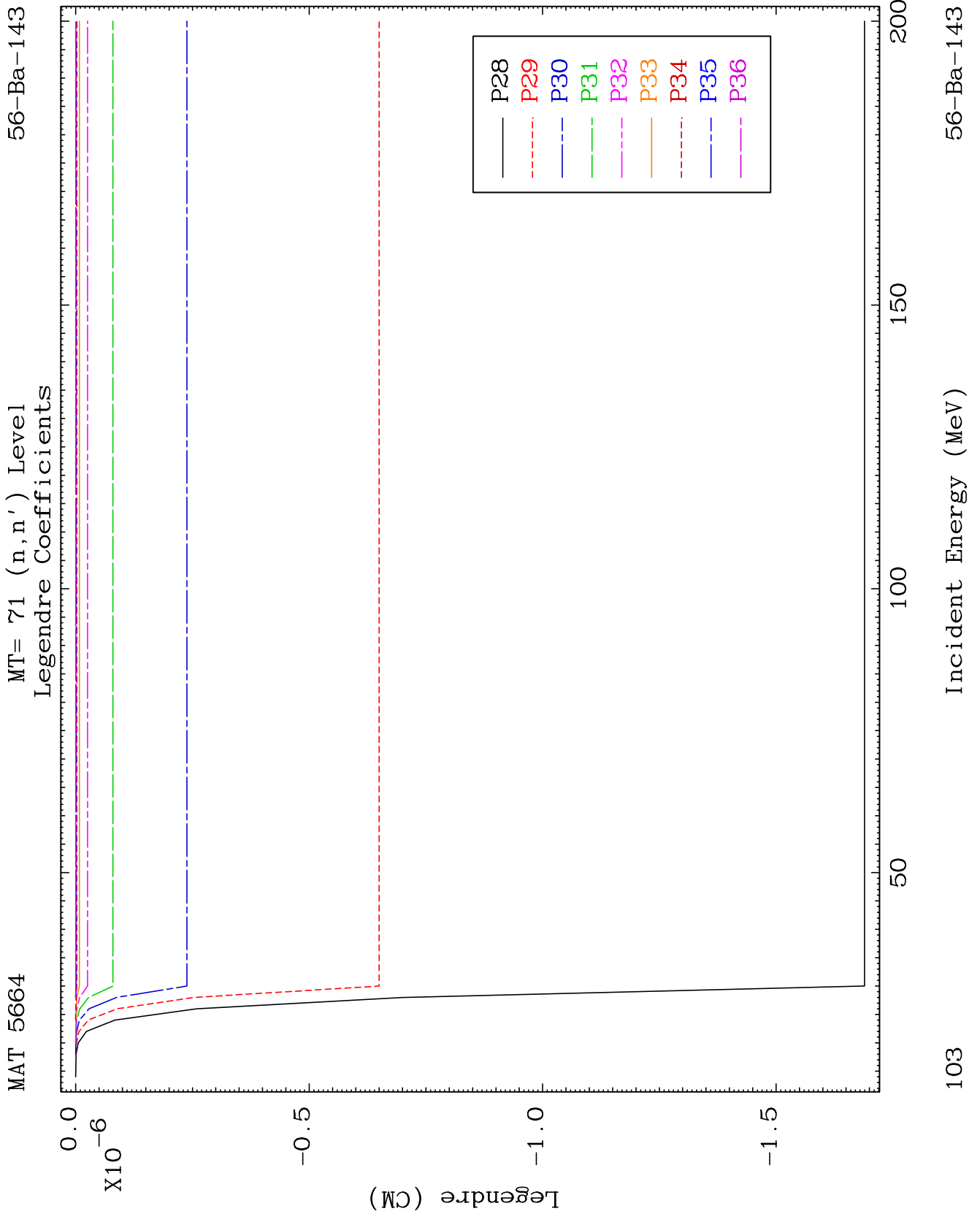
56-Ba-143



102

Incident Energy (MeV)

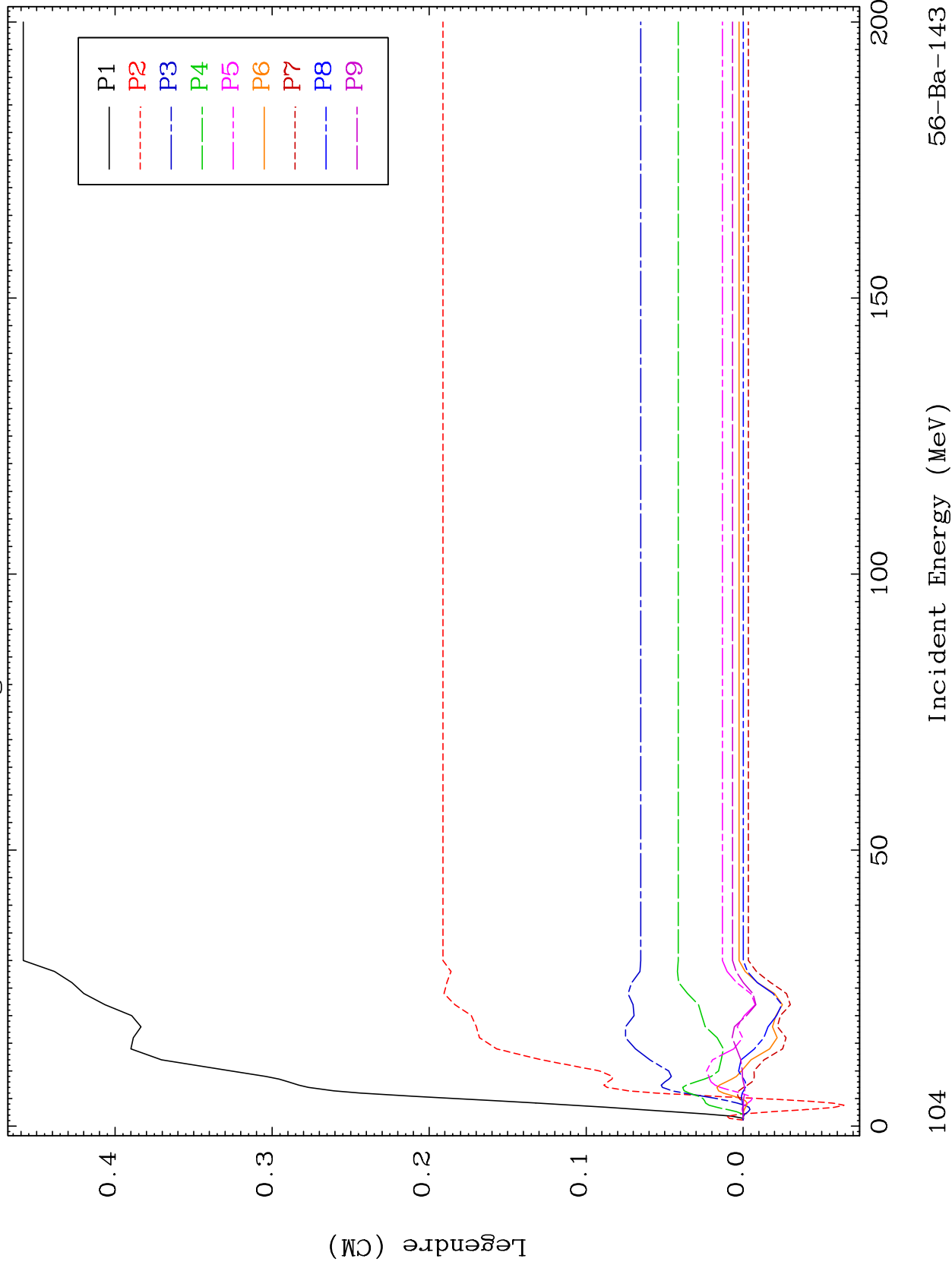
56-Ba-143



MAT 5664

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

56-Ba-143



56-Ba-143

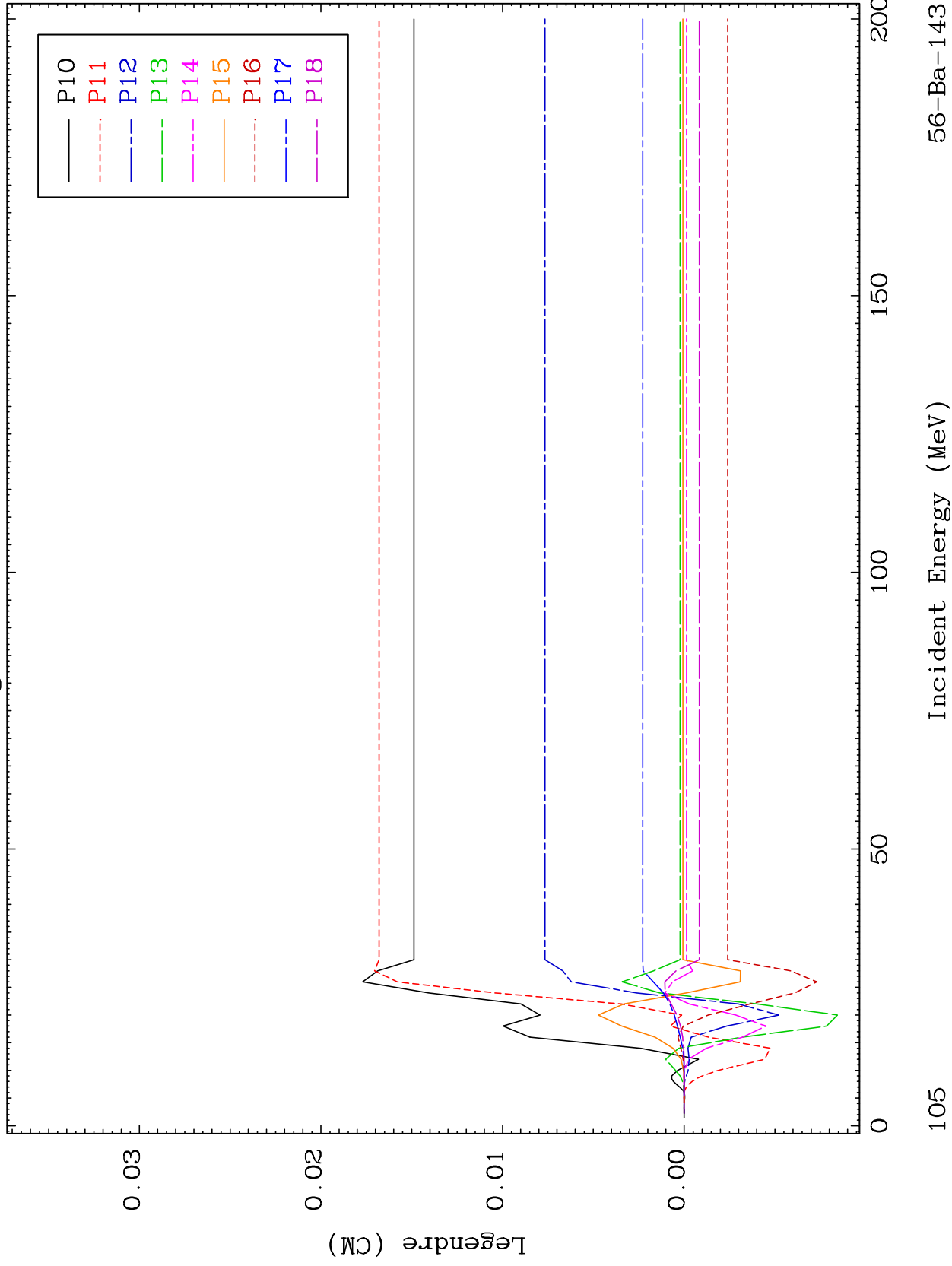
Incident Energy (MeV)

104

MAT 5664

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

56-Ba-143



56-Ba-143

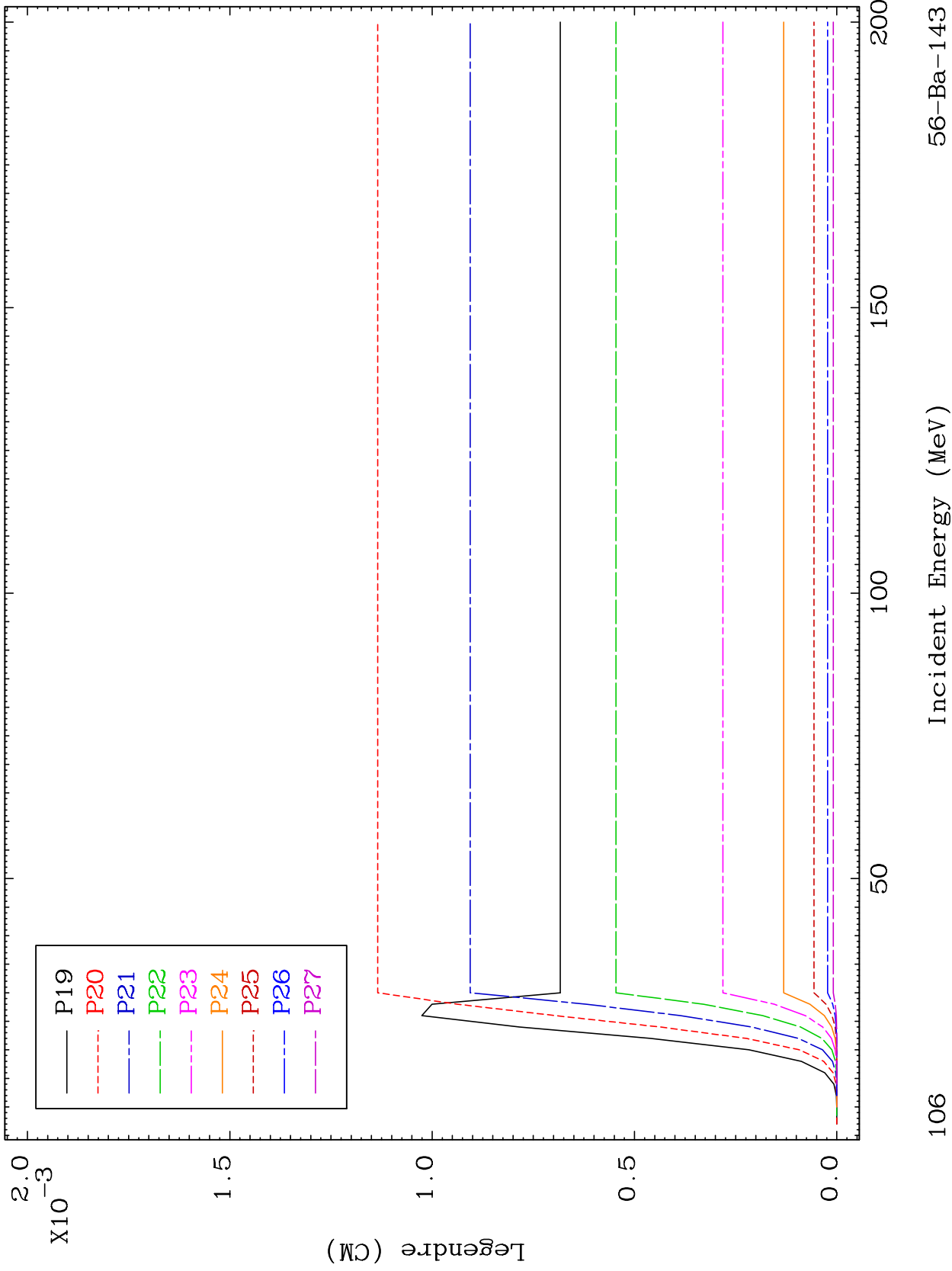
Incident Energy (MeV)

105

MAT 5664

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

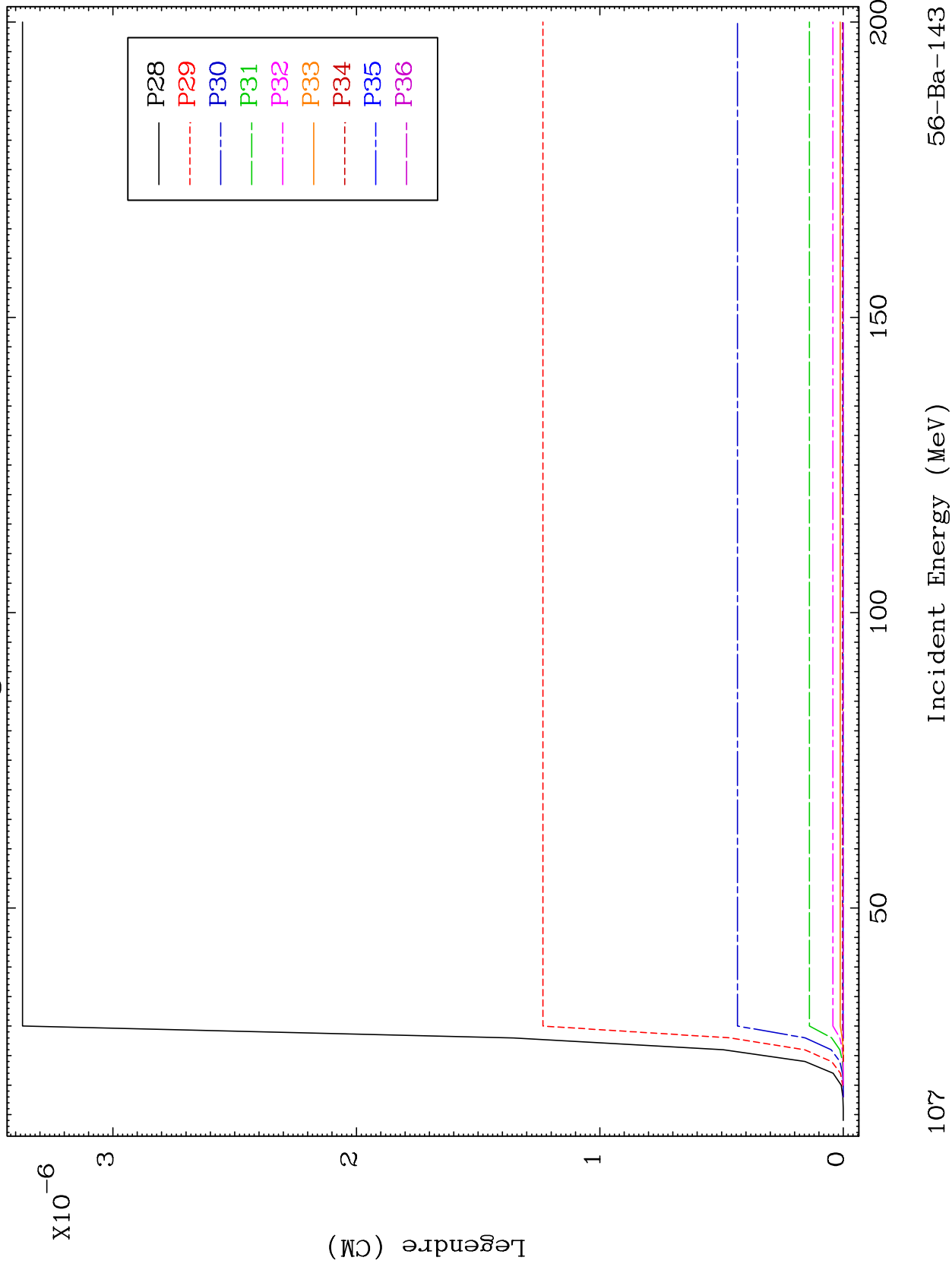
56-Ba-143



MAT 5664

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

56-Ba-143



107

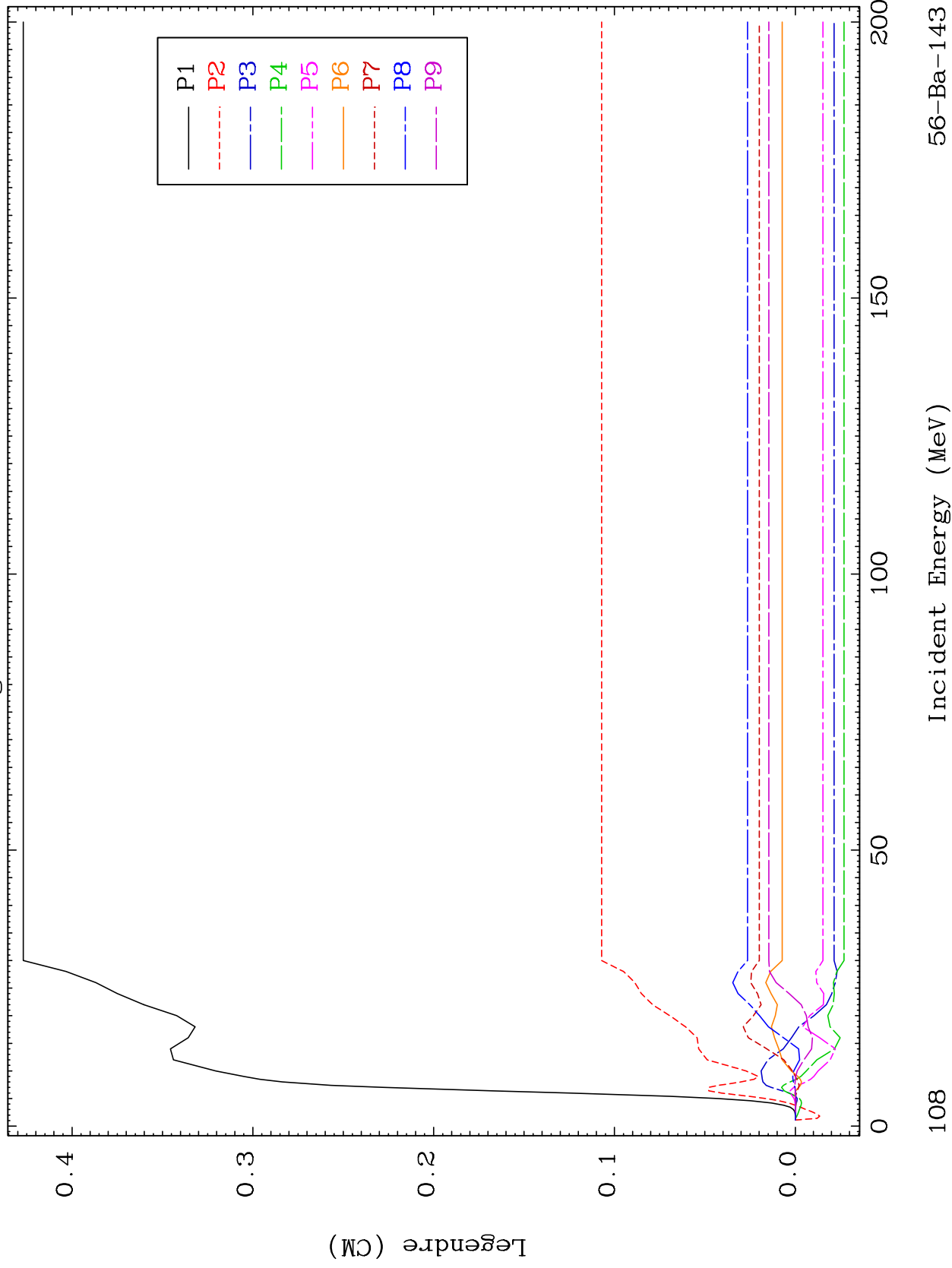
Incident Energy (MeV)

56-Ba-143

MAT 5664

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

56-Ba-143



56-Ba-143

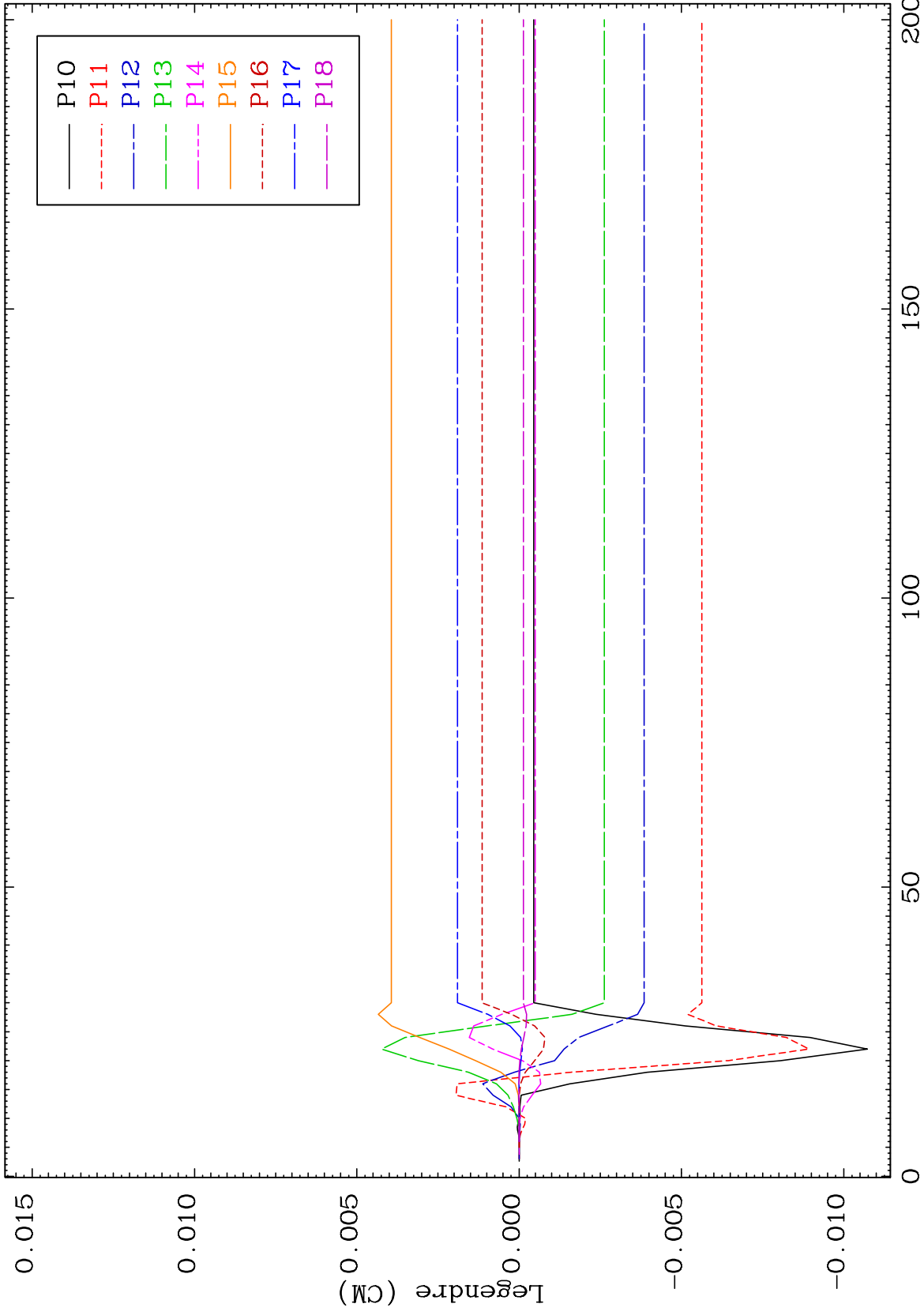
Incident Energy (MeV)

108

MAT 5664

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

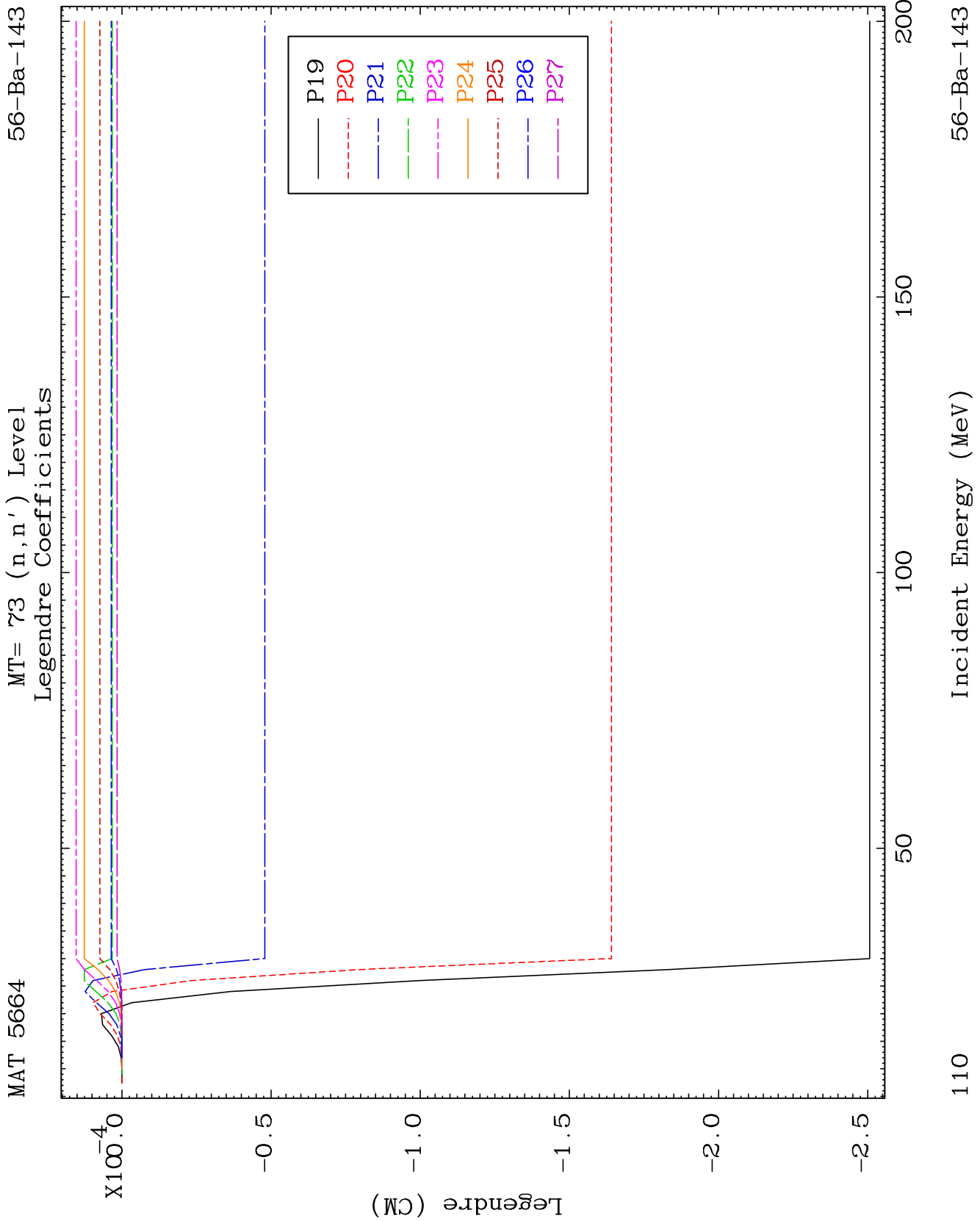
56-Ba-143



109

Incident Energy (MeV)

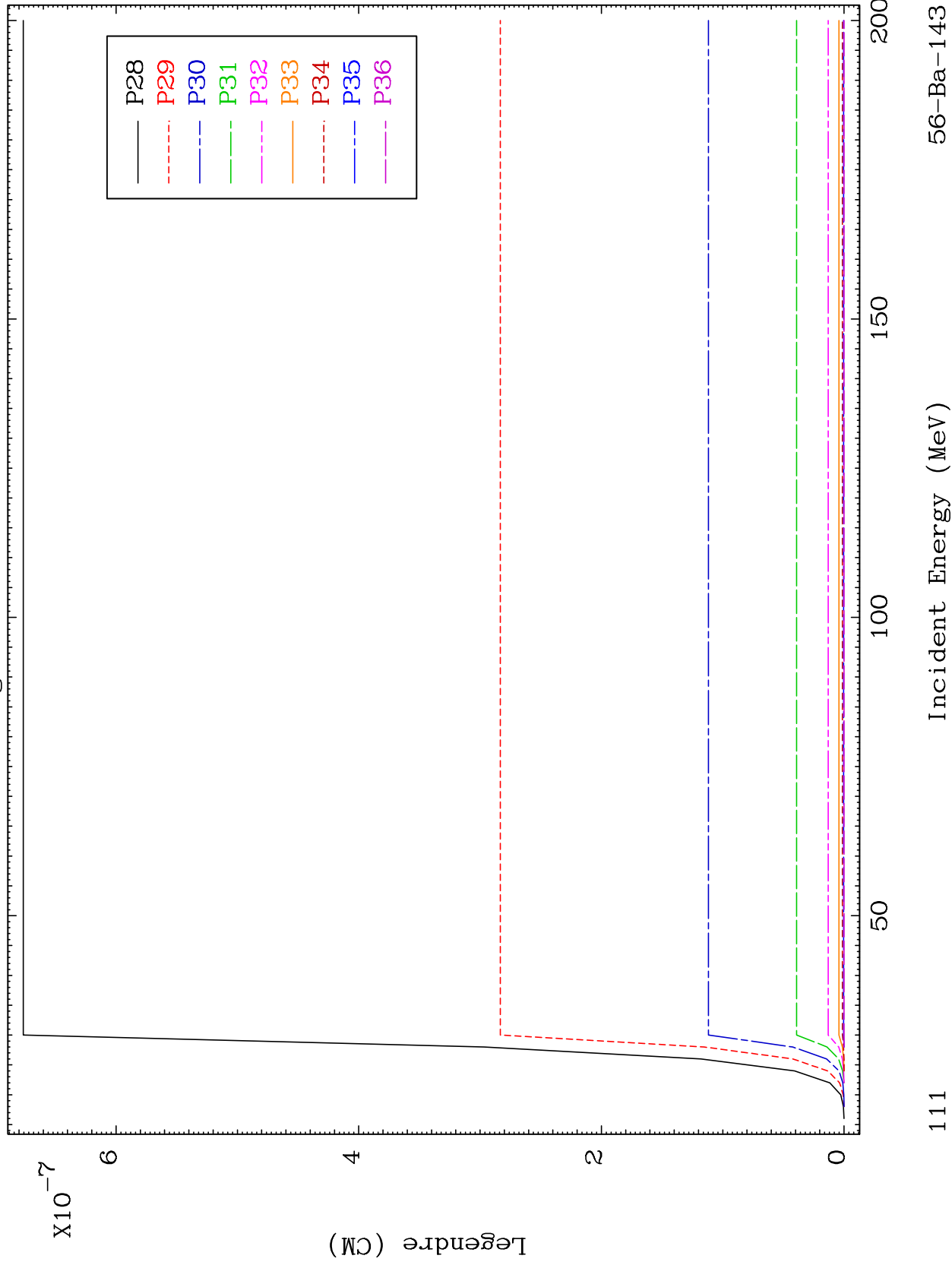
56-Ba-143

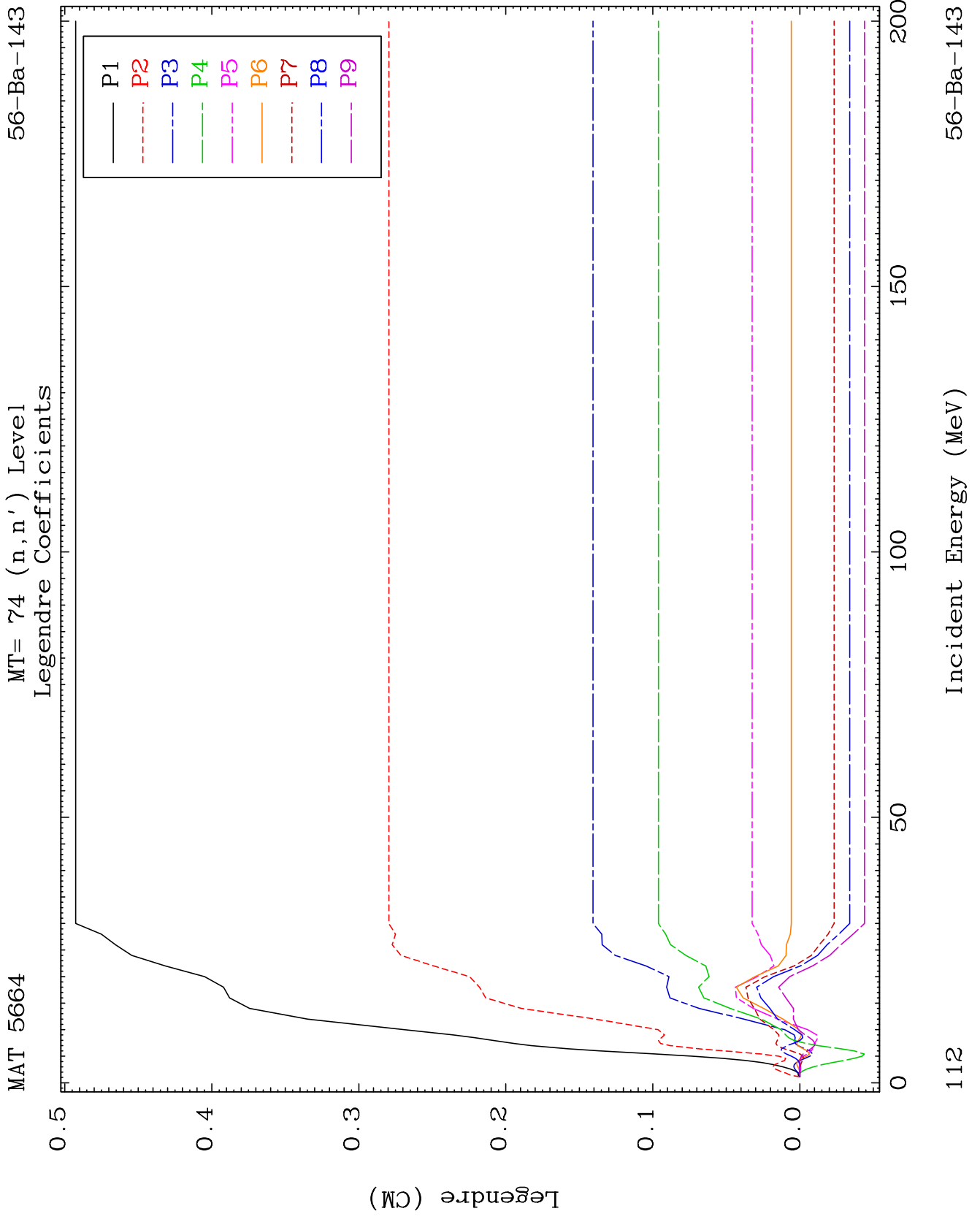


MAT 5664

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

56-Ba-143

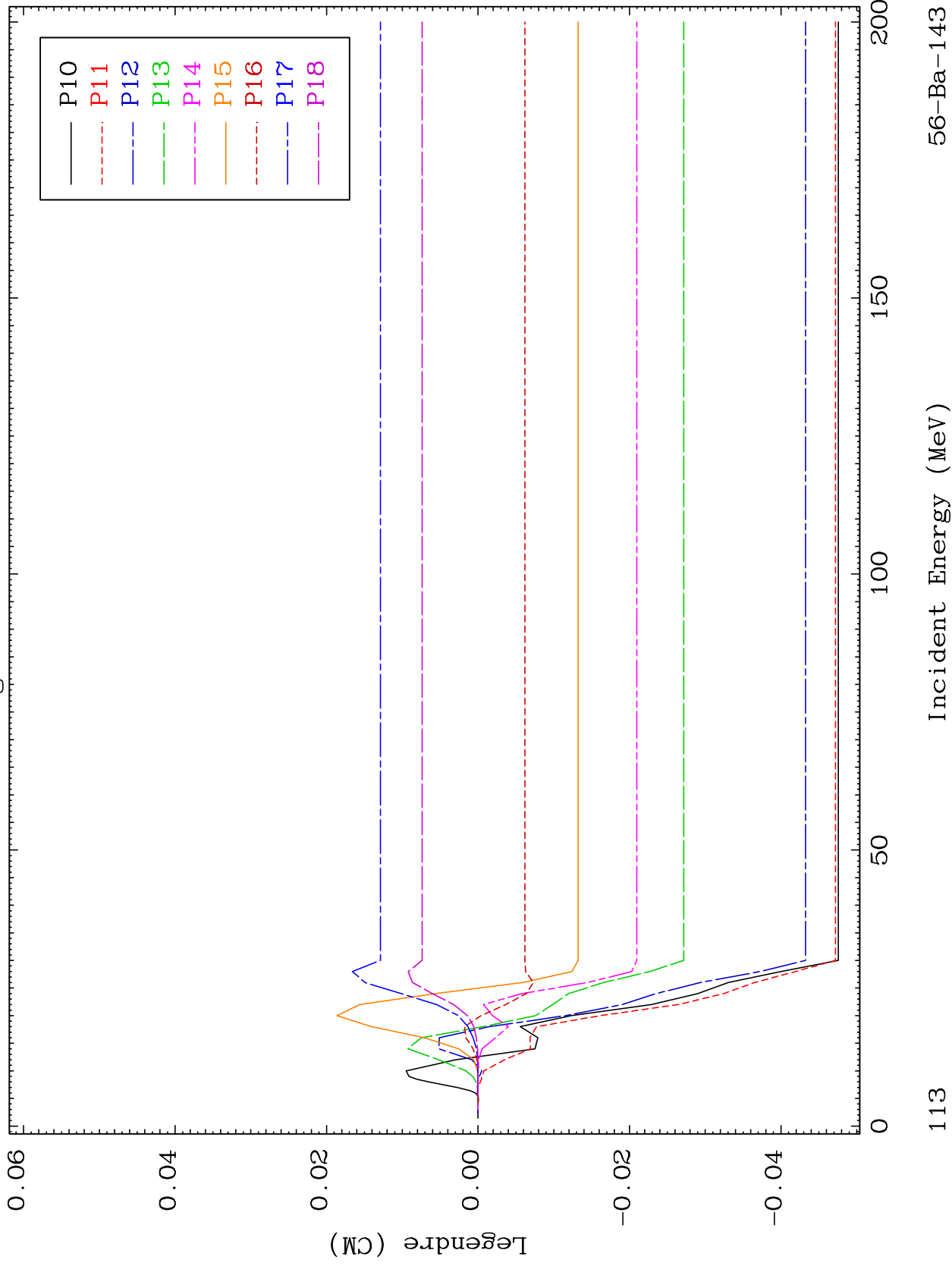




MAT 5664

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

56-Ba-143



56-Ba-143

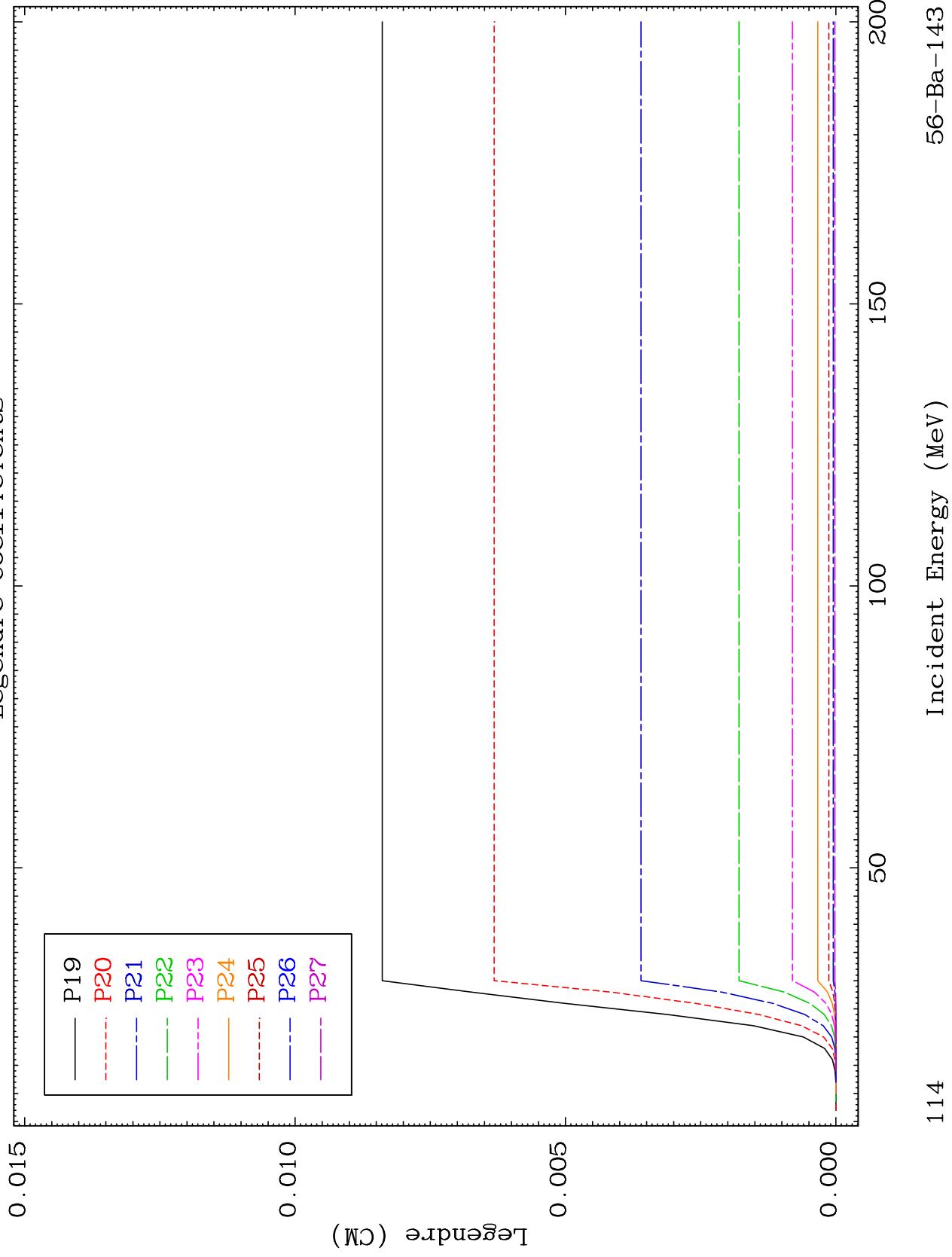
Incident Energy (MeV)

113

MAT 5664

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

56-Ba-143



114

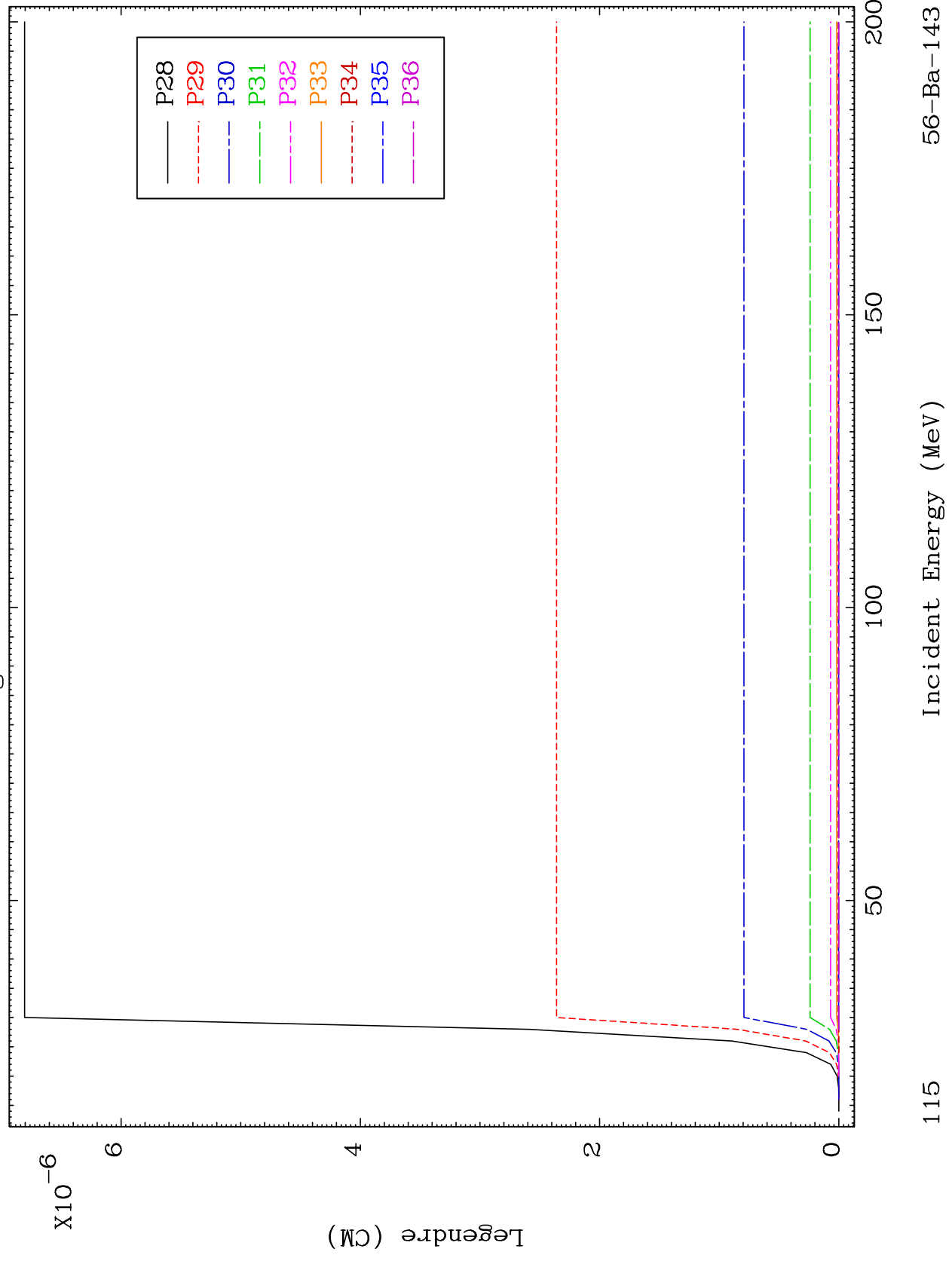
Incident Energy (MeV)

56-Ba-143

MAT 5664

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

56-Ba-143



56-Ba-143

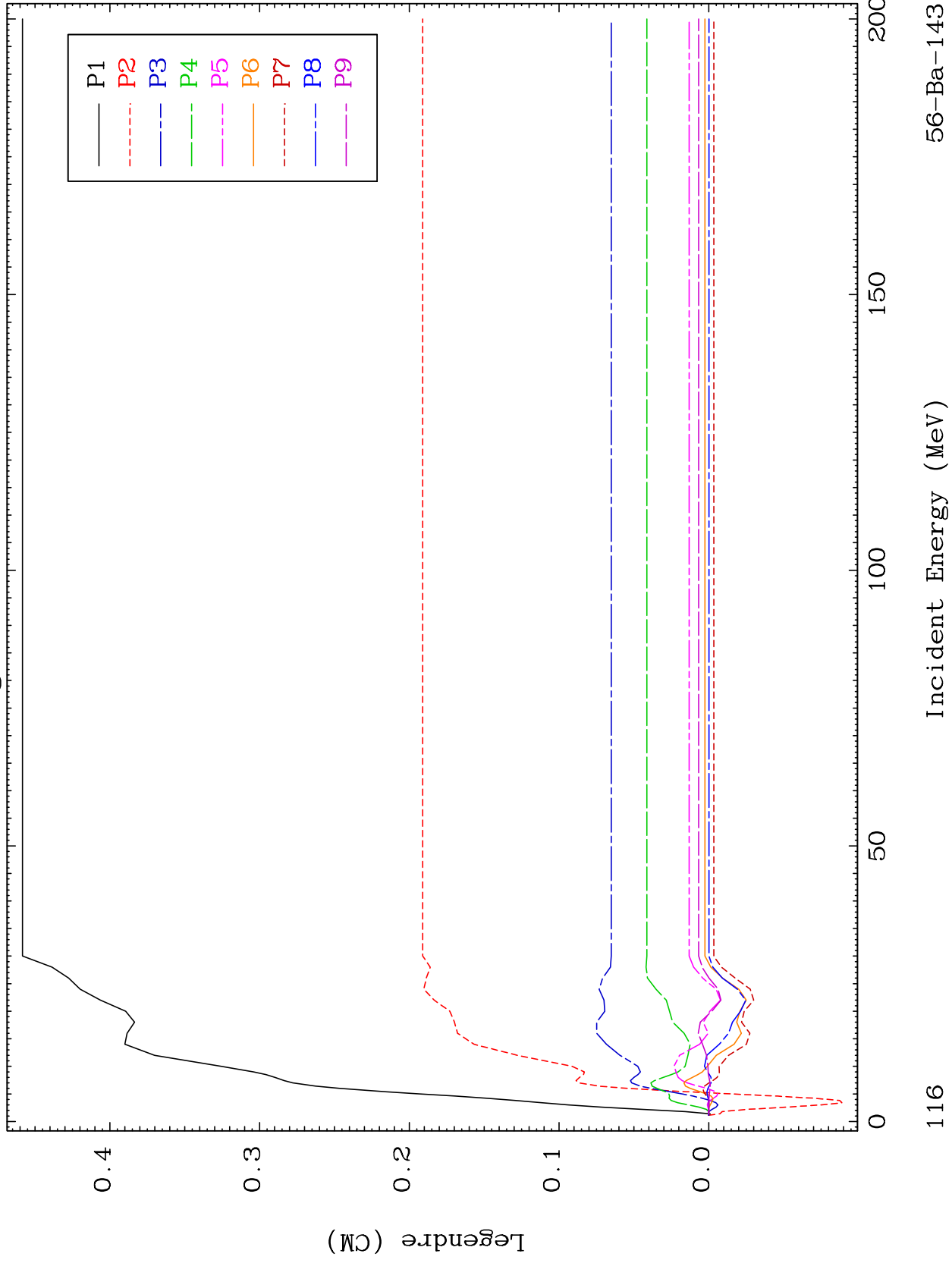
Incident Energy (MeV)

115

MAT 5664

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

56-Ba-143



56-Ba-143

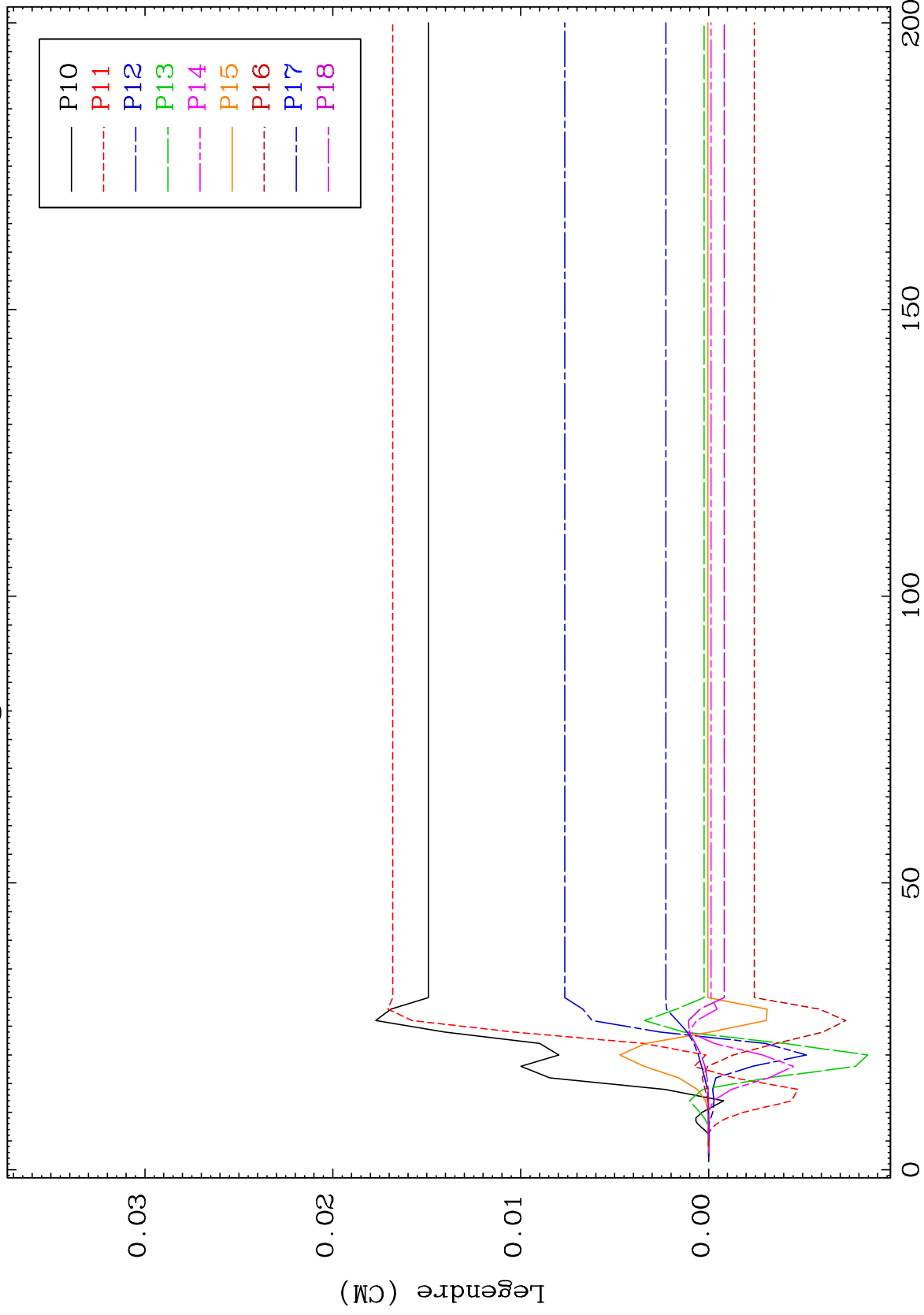
Incident Energy (MeV)

116

MAT 5664

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

56-Ba-143



117

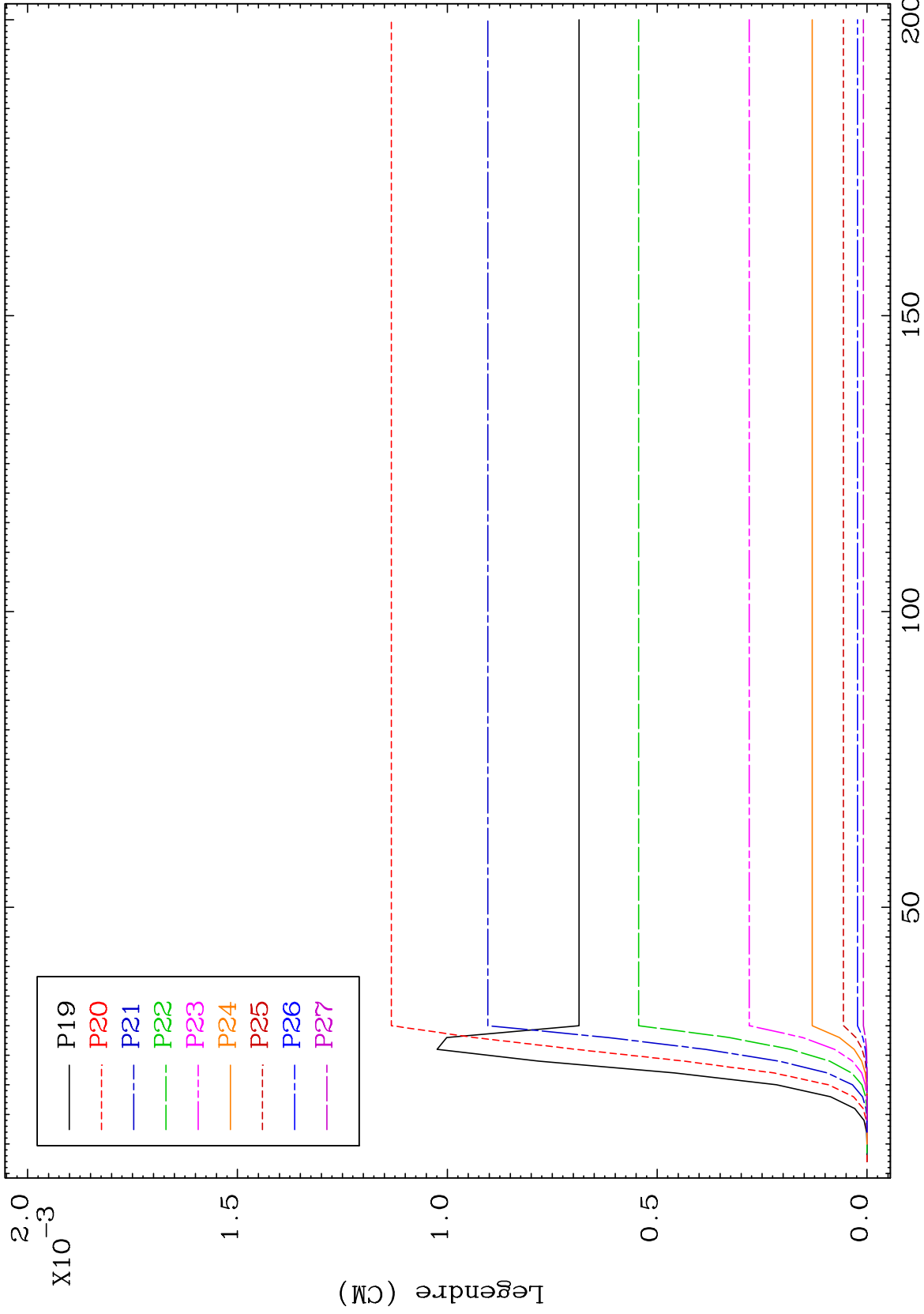
Incident Energy (MeV)

56-Ba-143

MAT 5664

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

56-Ba-143



118

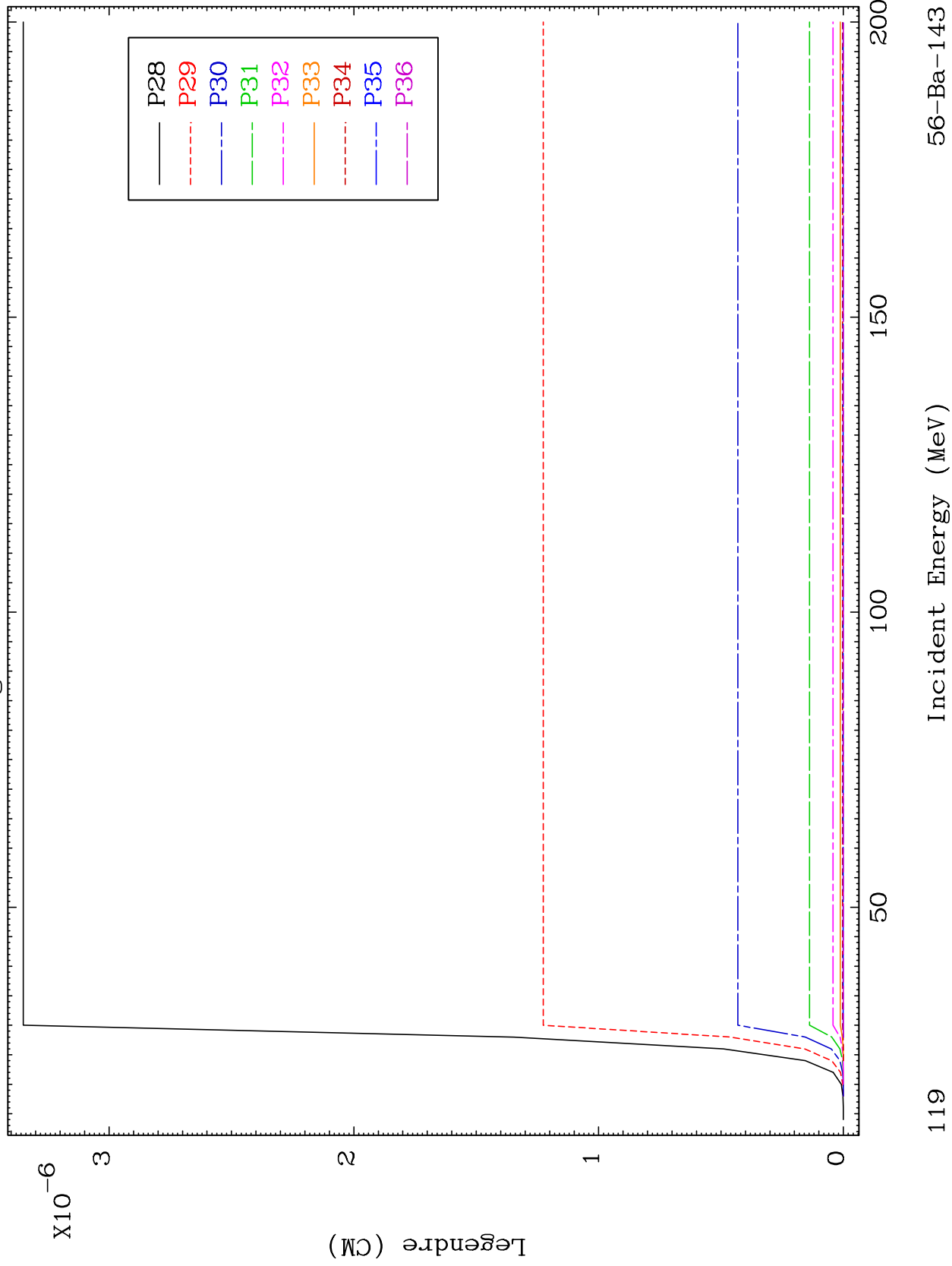
Incident Energy (MeV)

56-Ba-143

MAT 5664

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

56-Ba-143



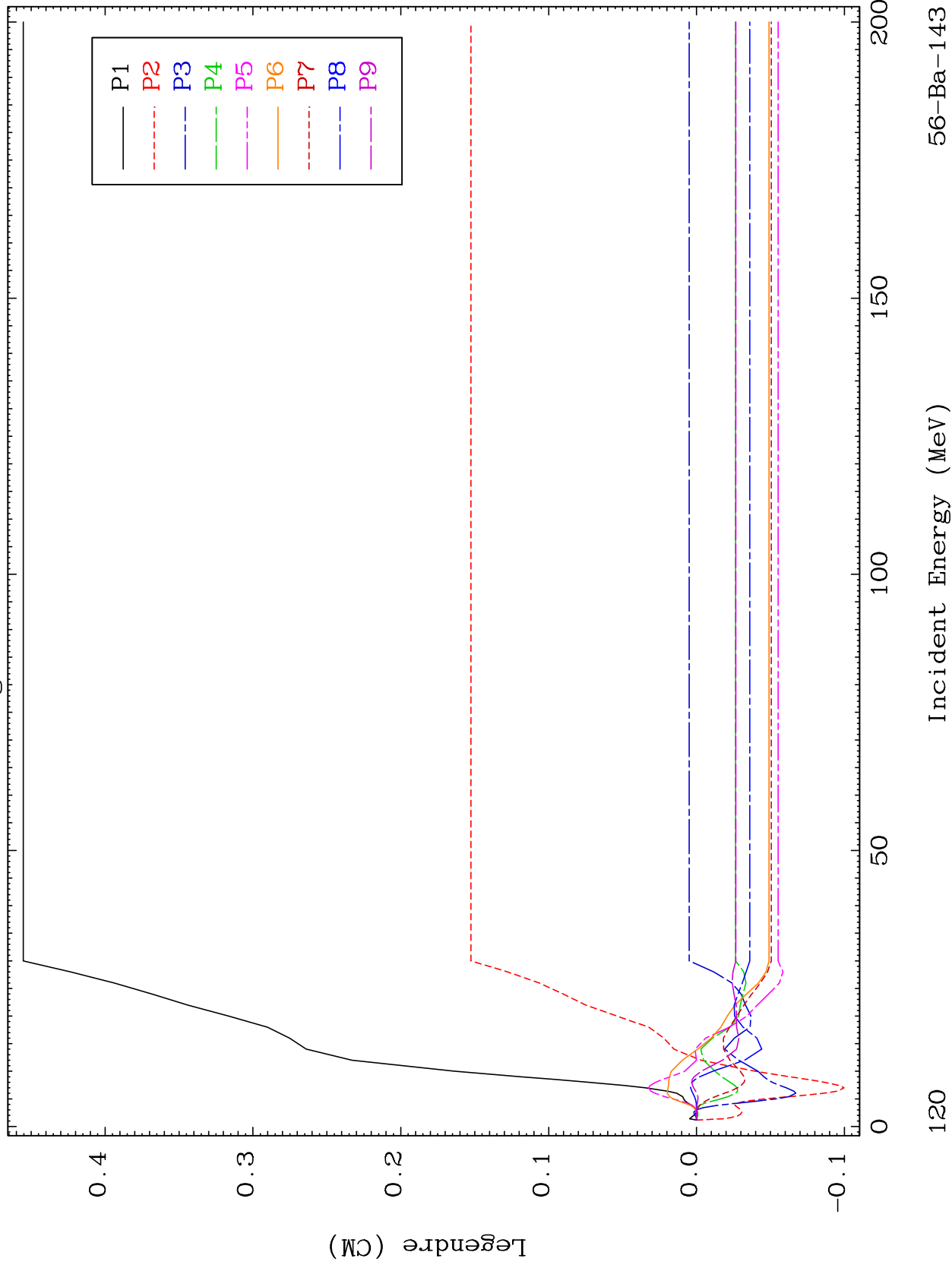
119

56-Ba-143

MAT 5664

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

56-Ba-143

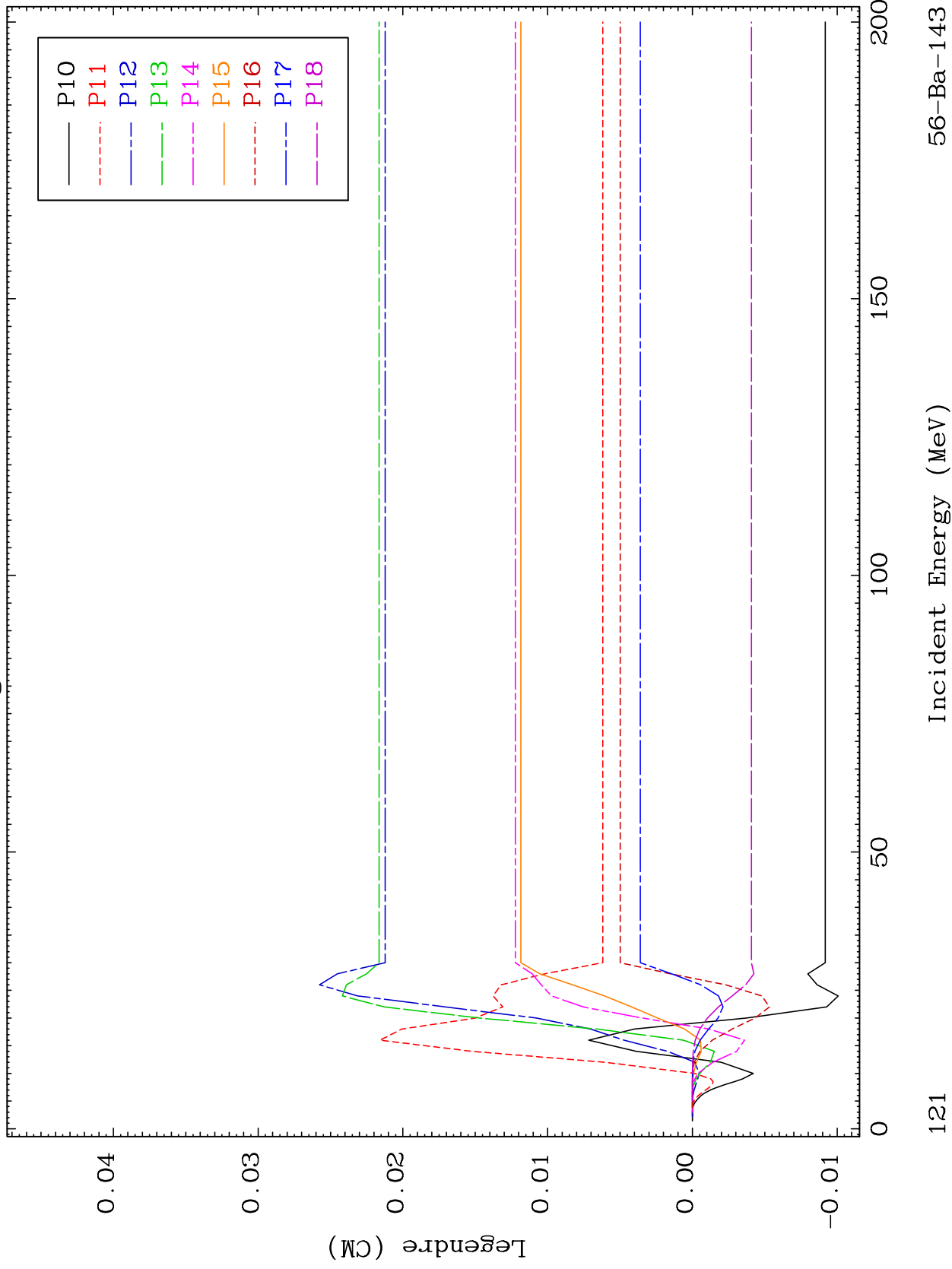


56-Ba-143

MAT 5664

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

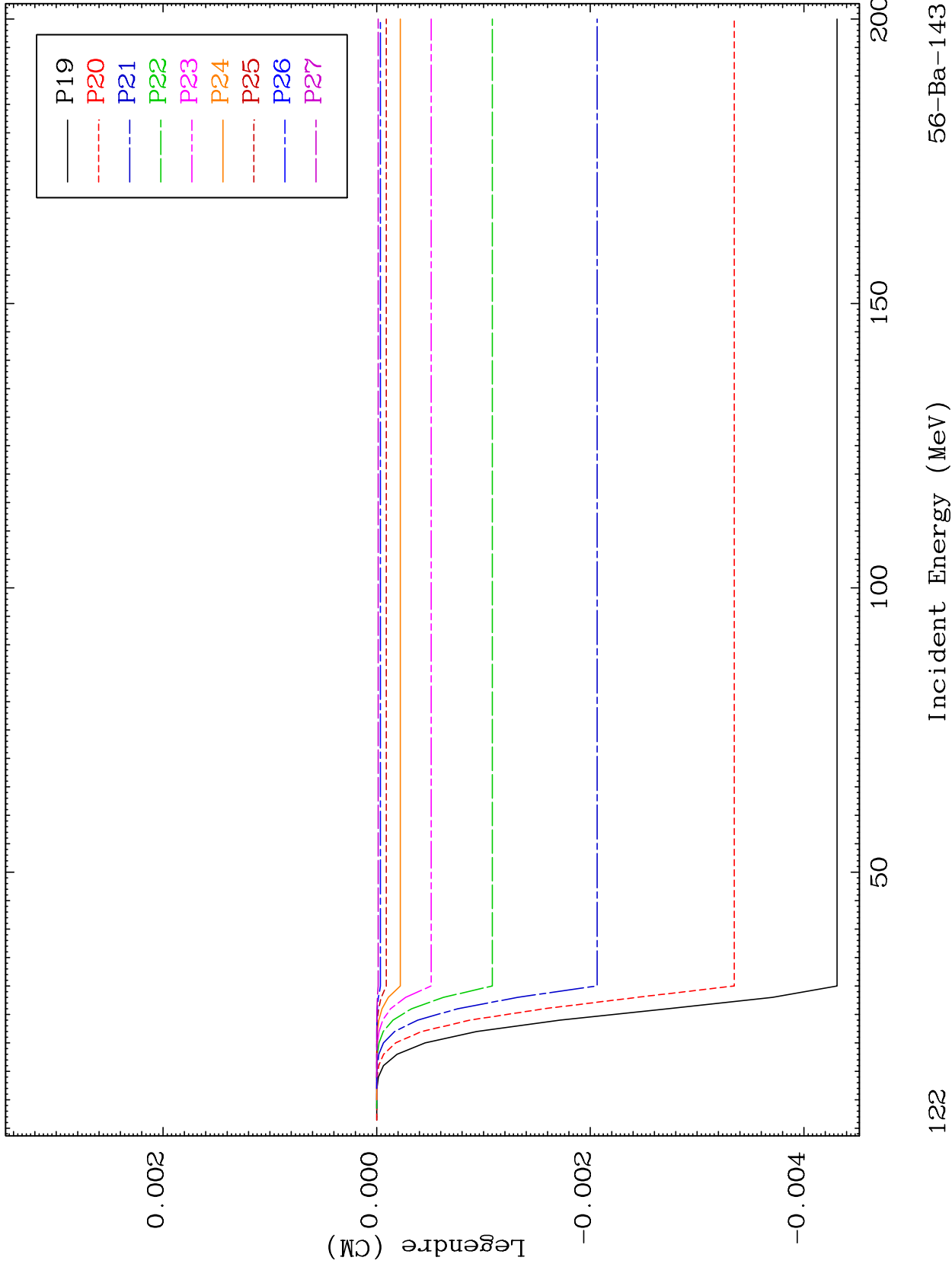
56-Ba-143



MAT 5664

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

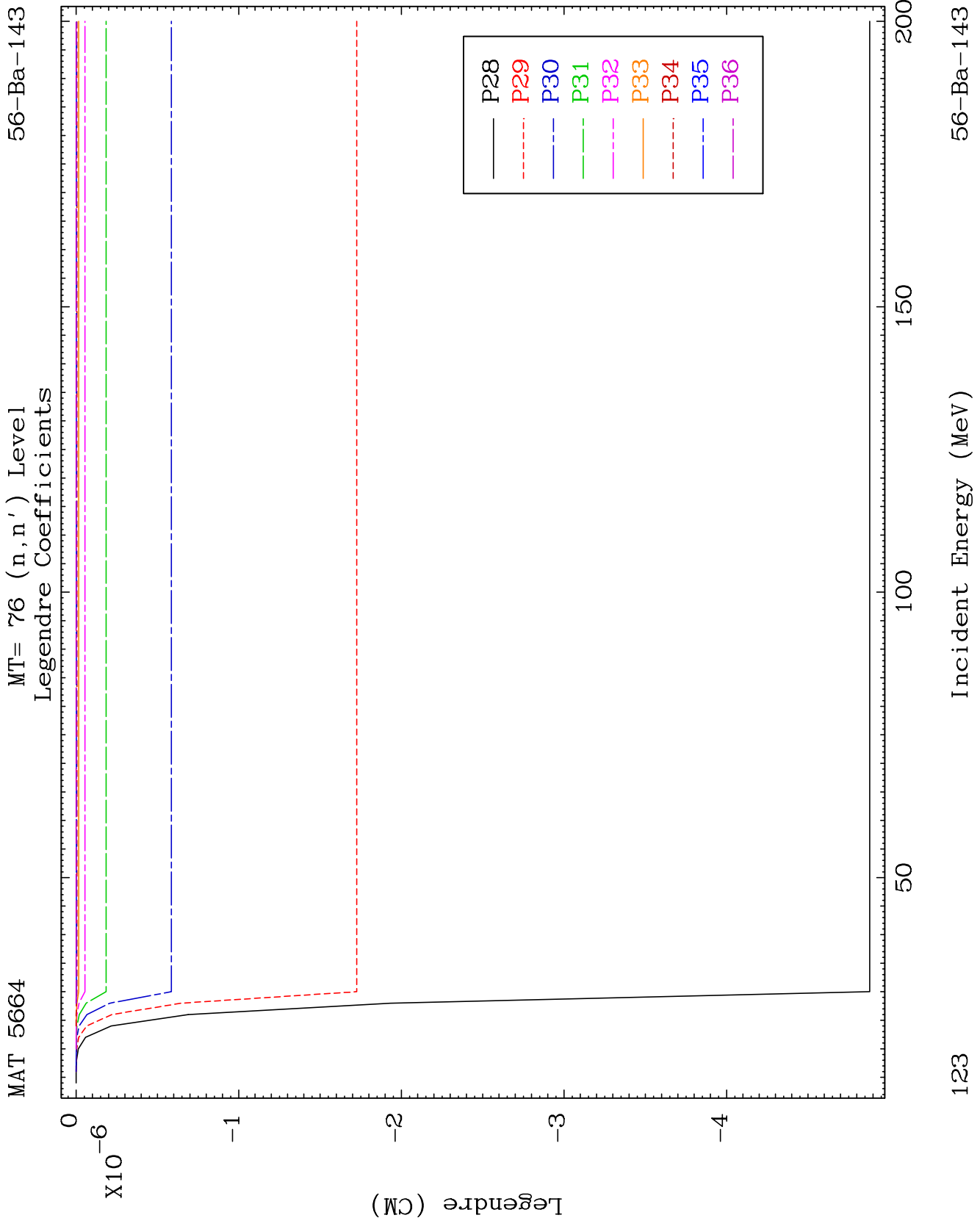
56-Ba-143



122

Incident Energy (MeV)

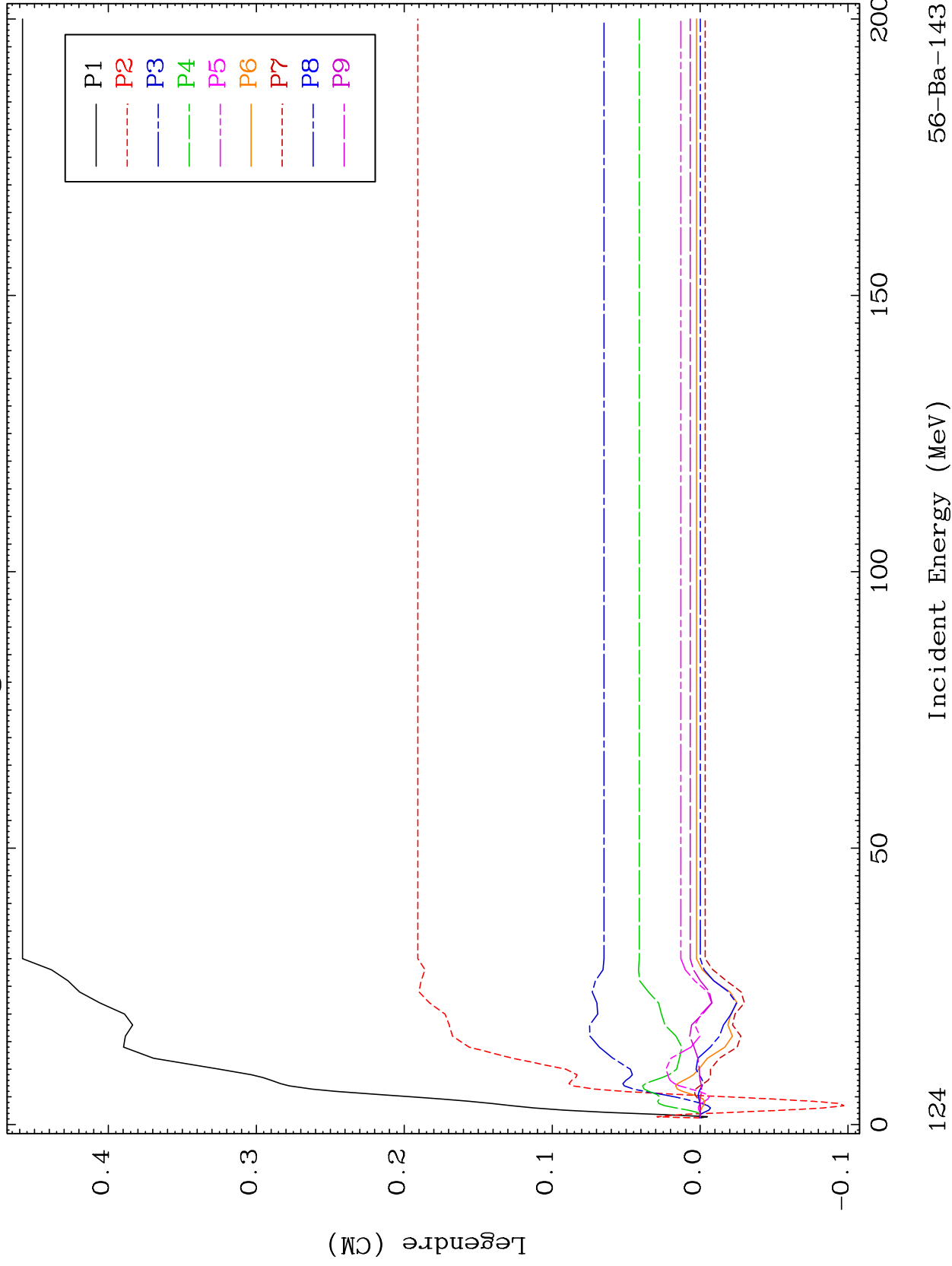
56-Ba-143



MAT 5664

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

56-Ba-143



56-Ba-143

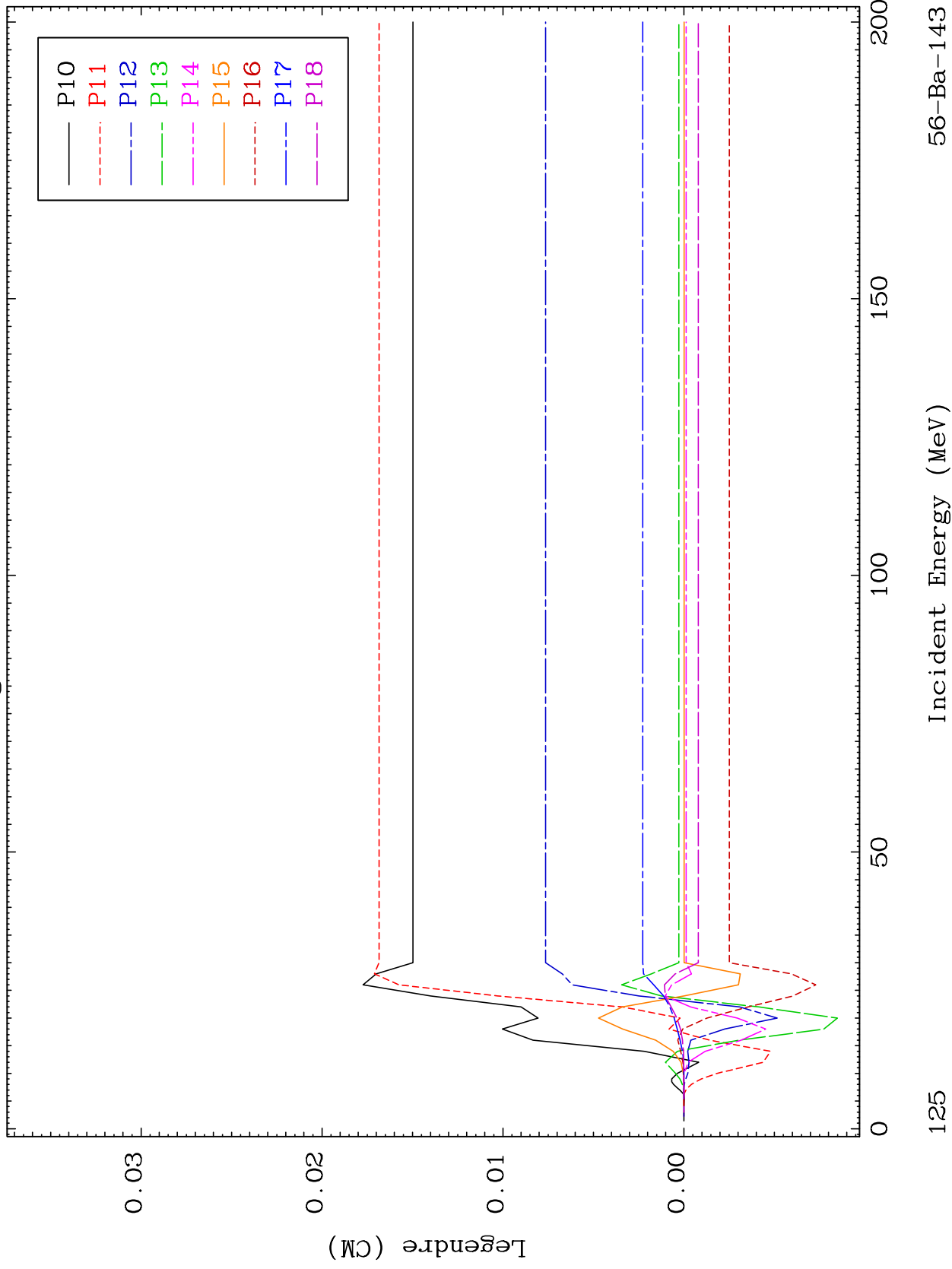
Incident Energy (MeV)

124

MAT 5664

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

56-Ba-143



56-Ba-143

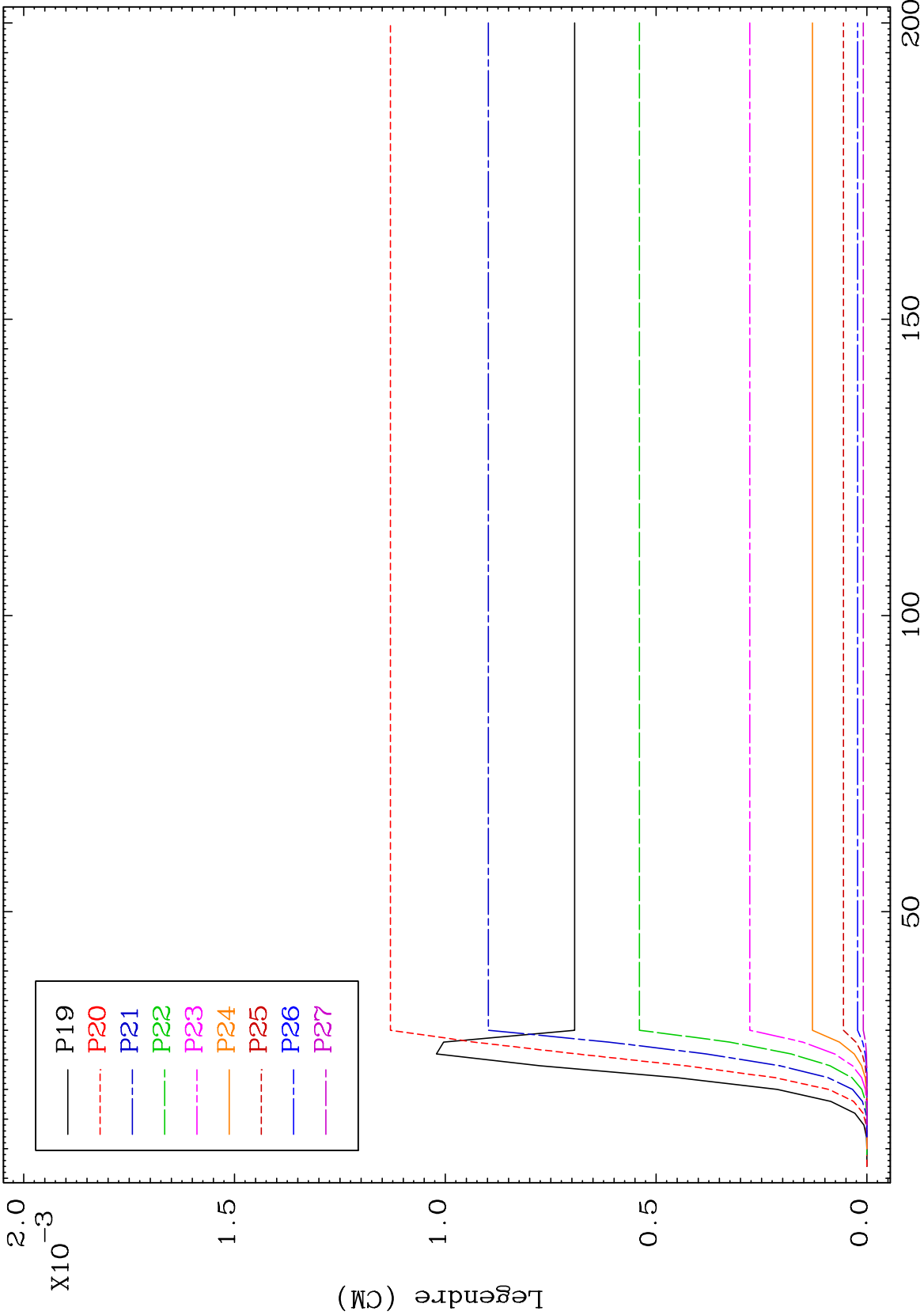
Incident Energy (MeV)

125

MAT 5664

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

56-Ba-143



126

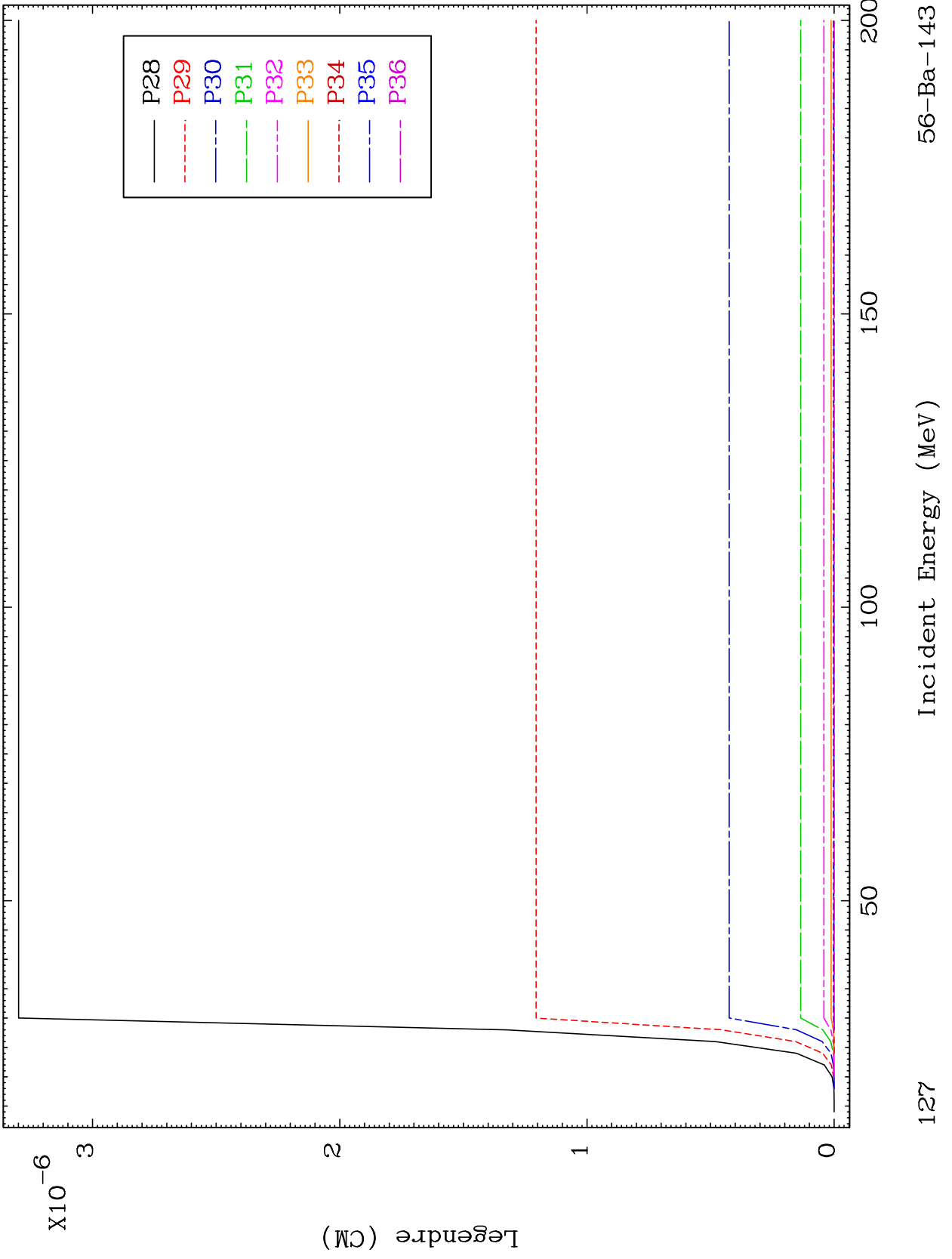
Incident Energy (MeV)

56-Ba-143

MAT 5664

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

56-Ba-143



127

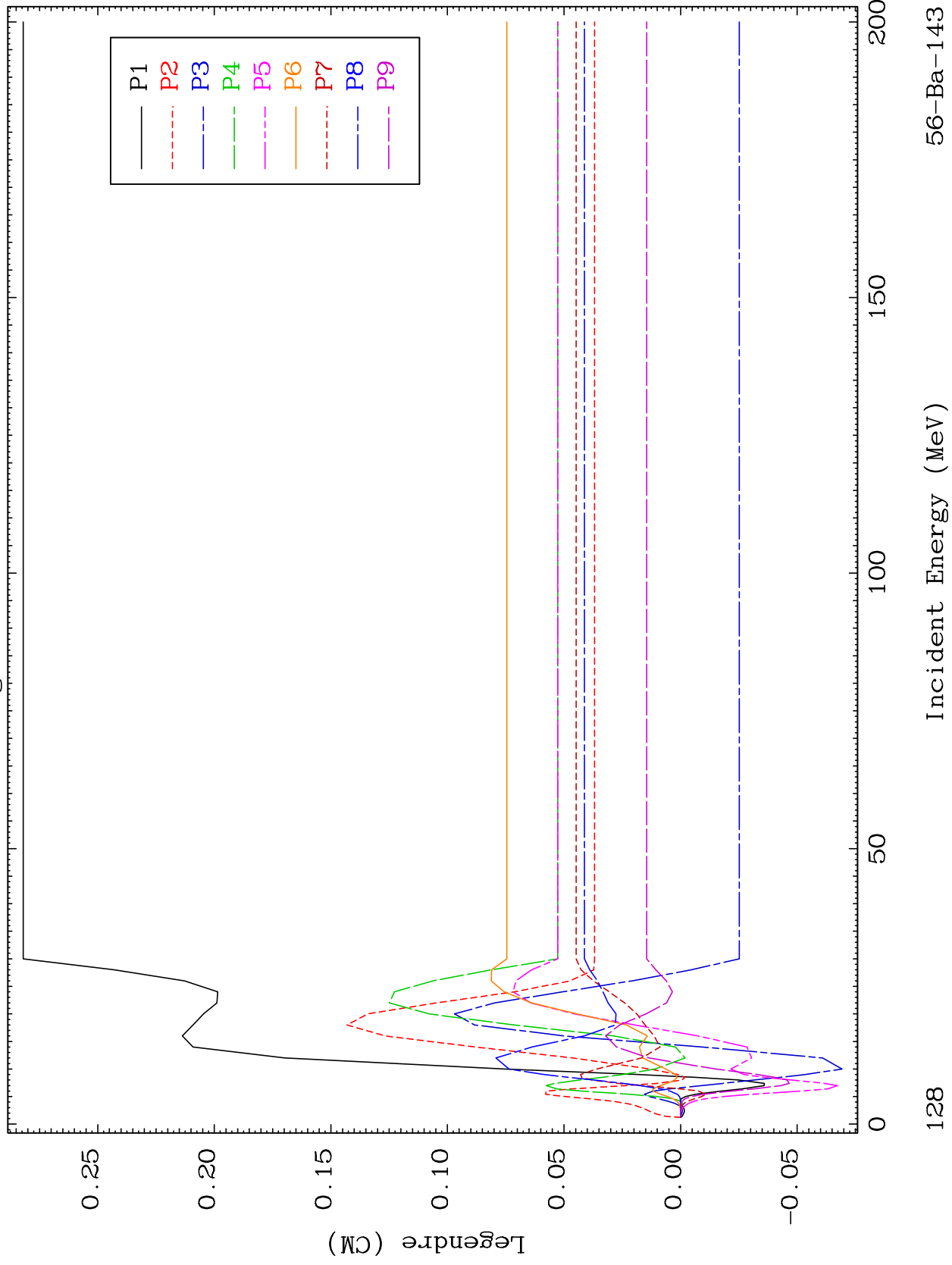
Incident Energy (MeV)

56-Ba-143

MAT 5664

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

56-Ba-143



56-Ba-143

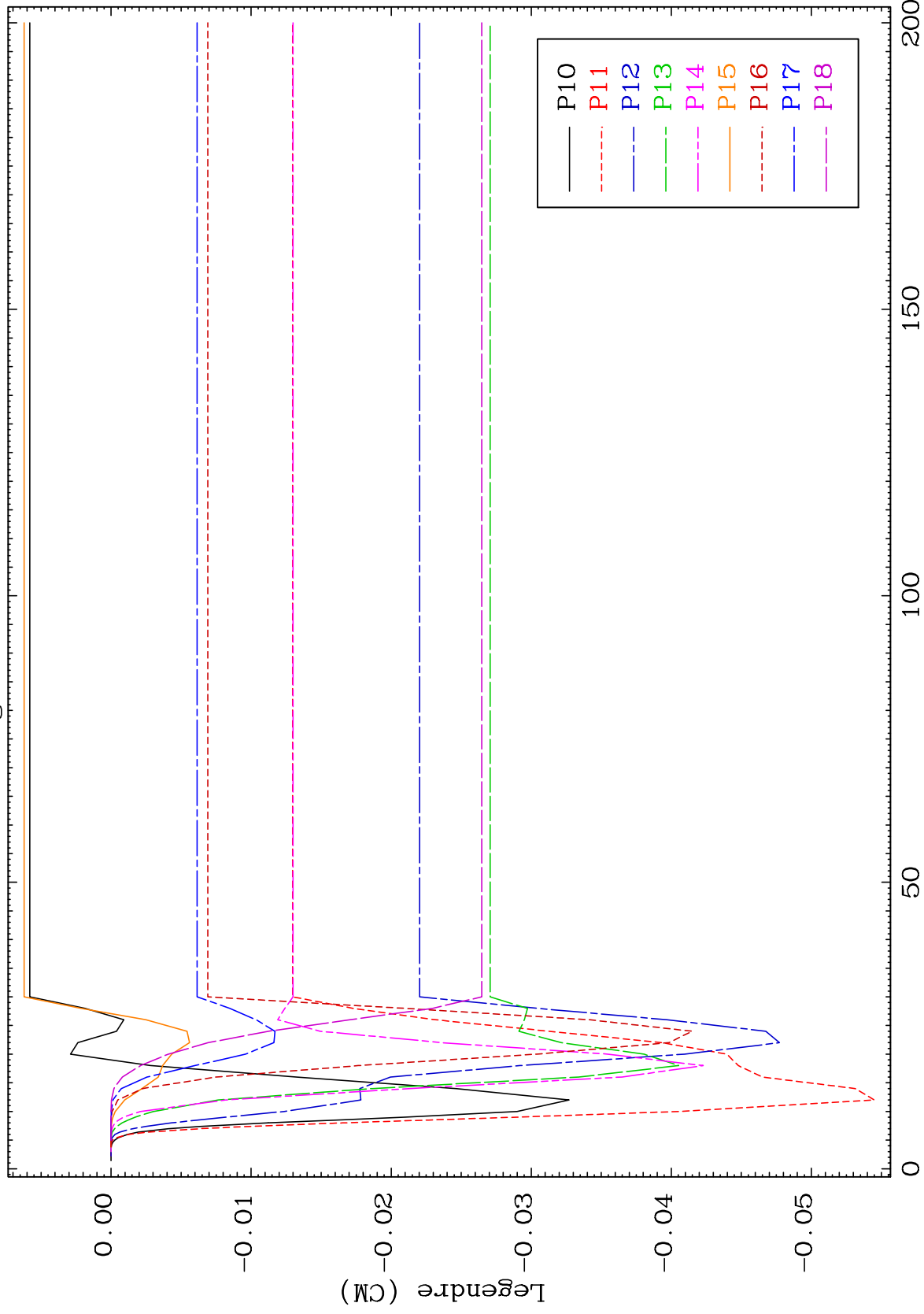
Incident Energy (MeV)

128

MAT 5664

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

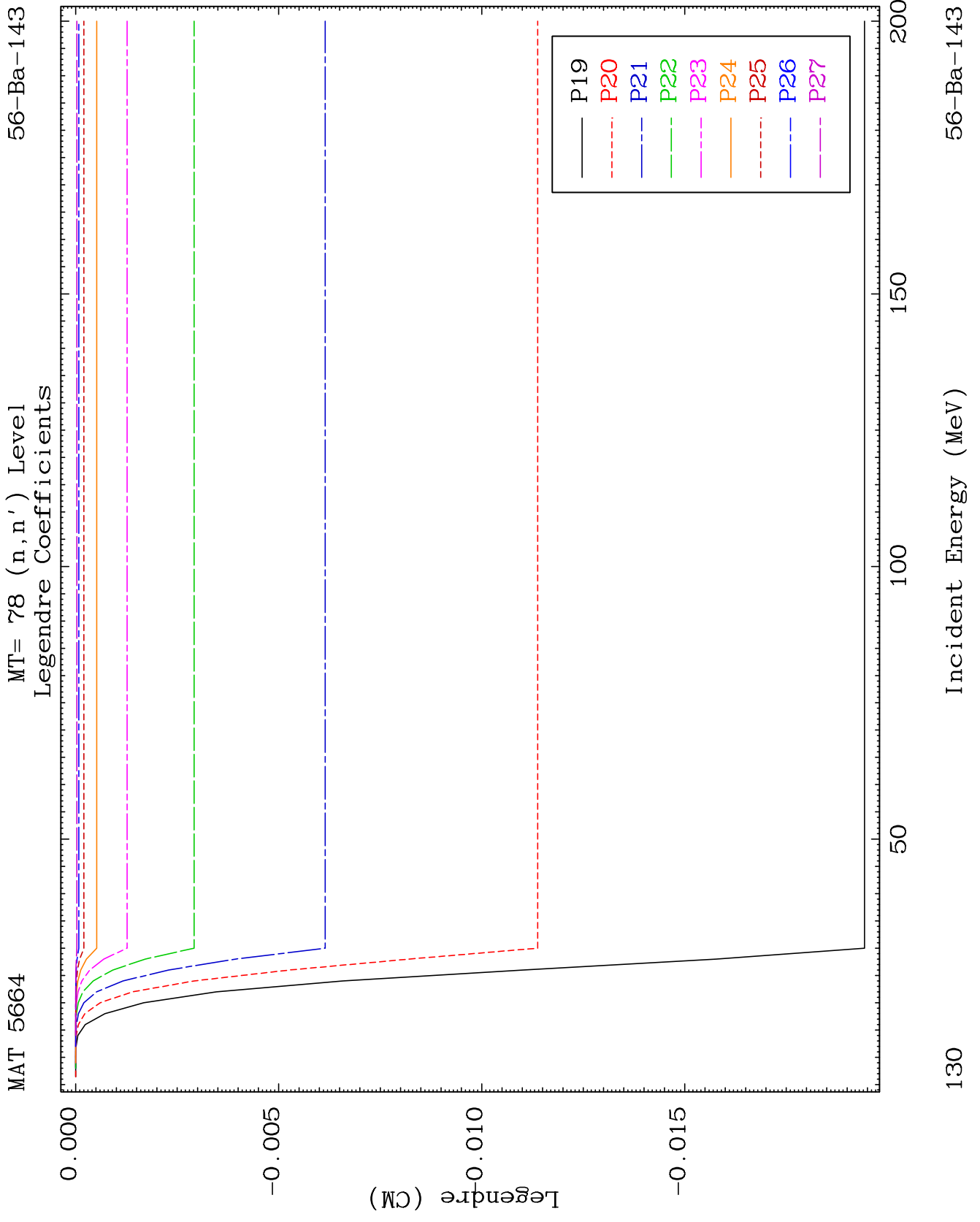
56-Ba-143

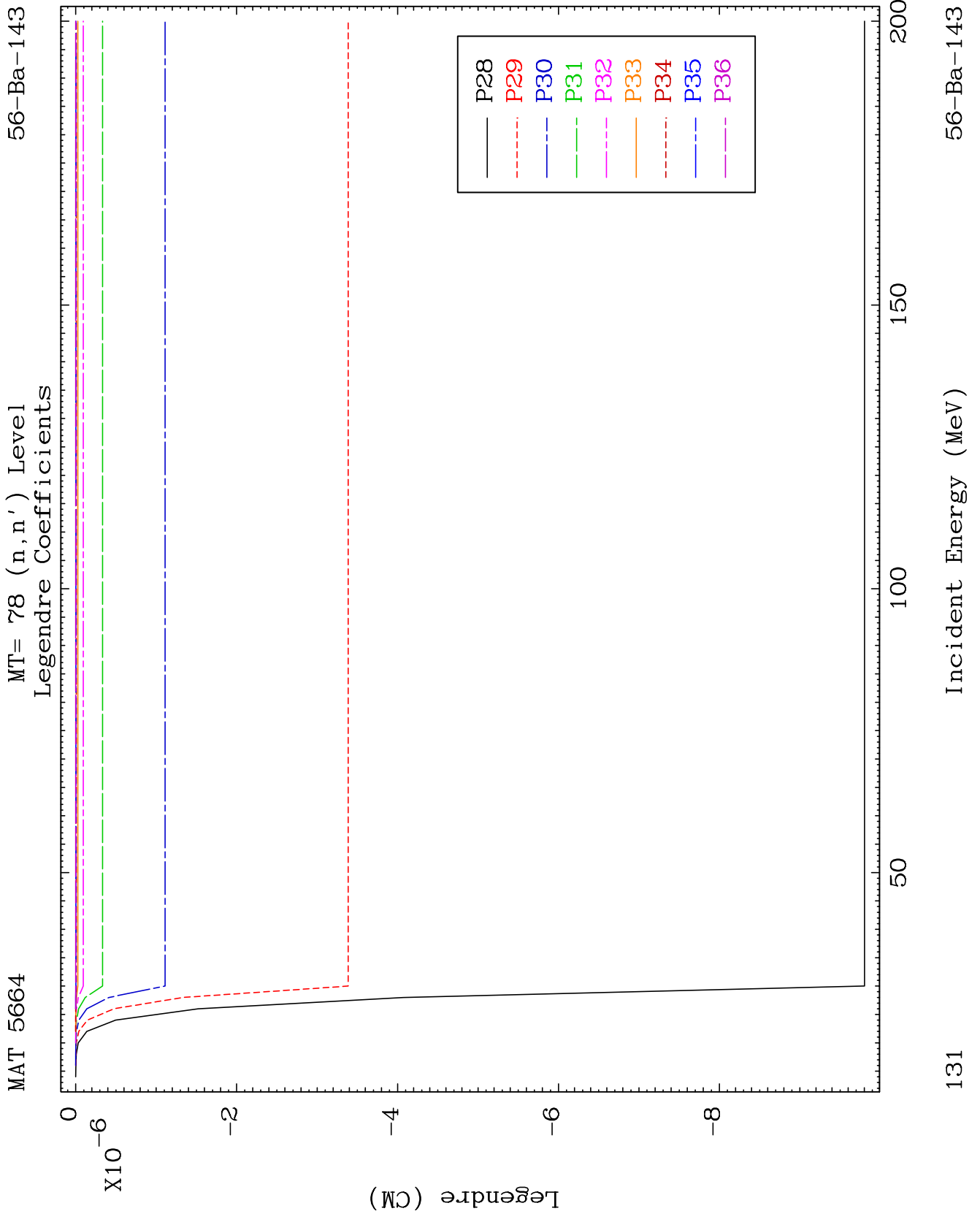


129

Incident Energy (MeV)

56-Ba-143

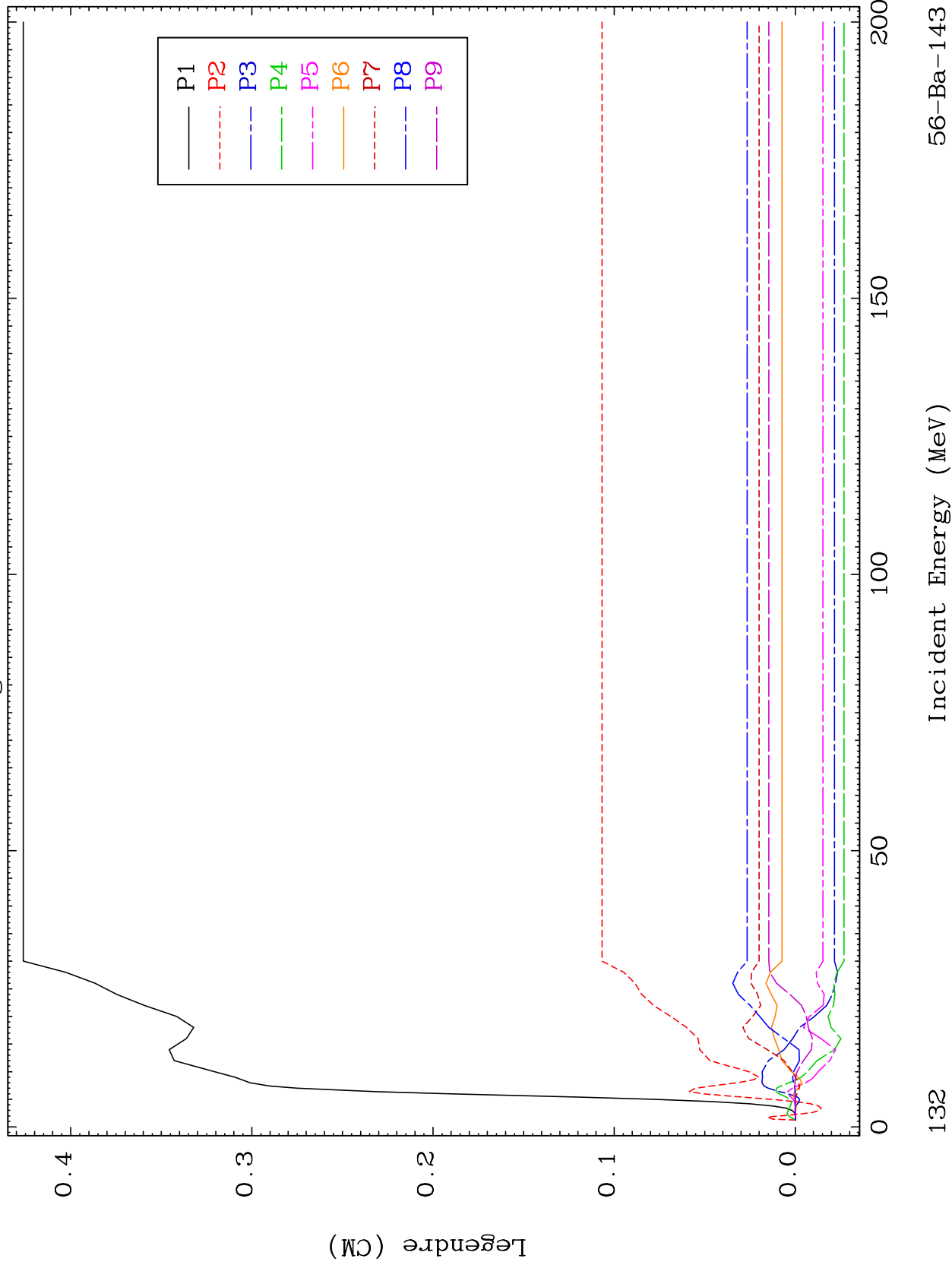




MAT 5664

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

56-Ba-143



56-Ba-143

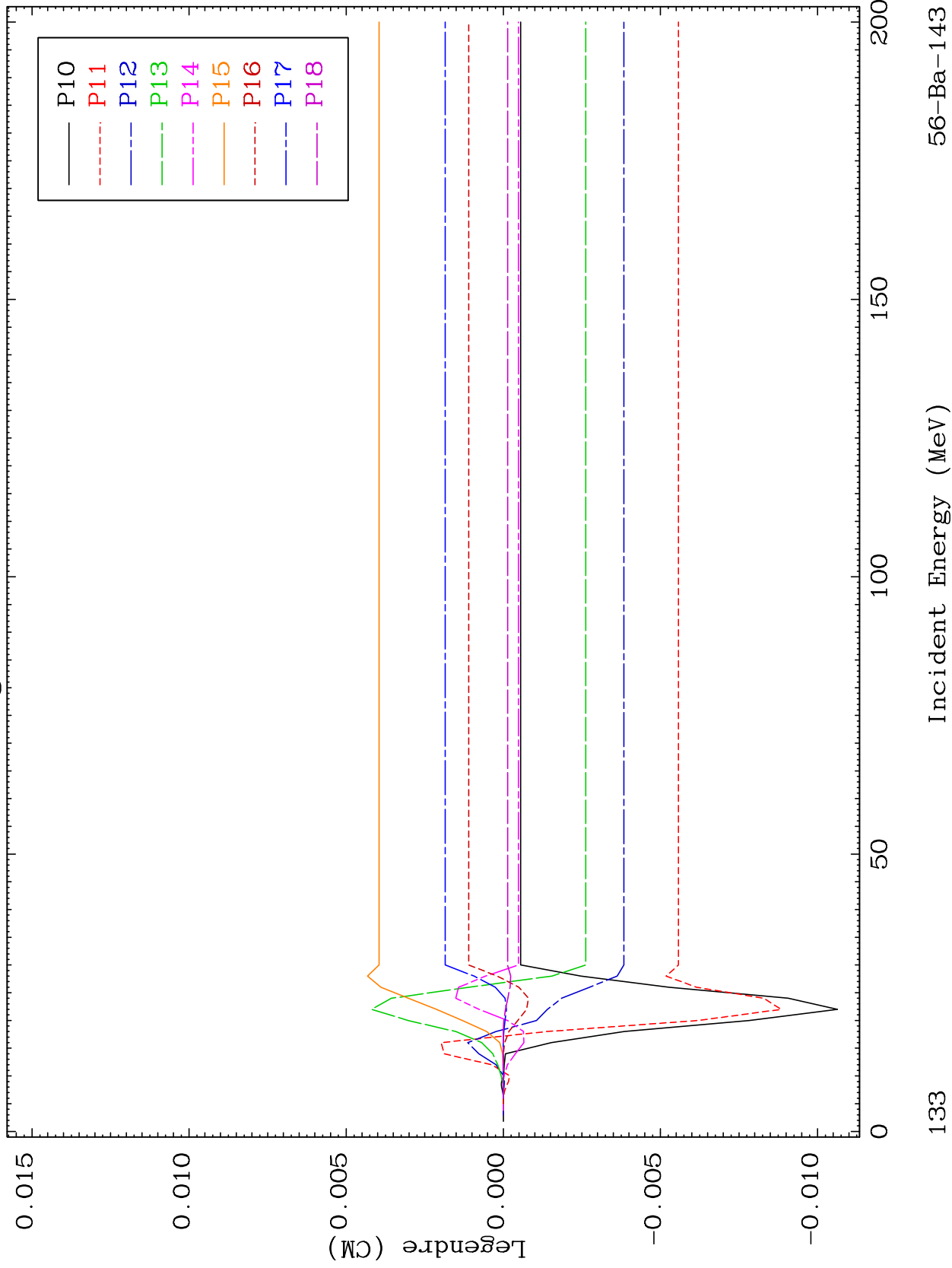
Incident Energy (MeV)

132

MAT 5664

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

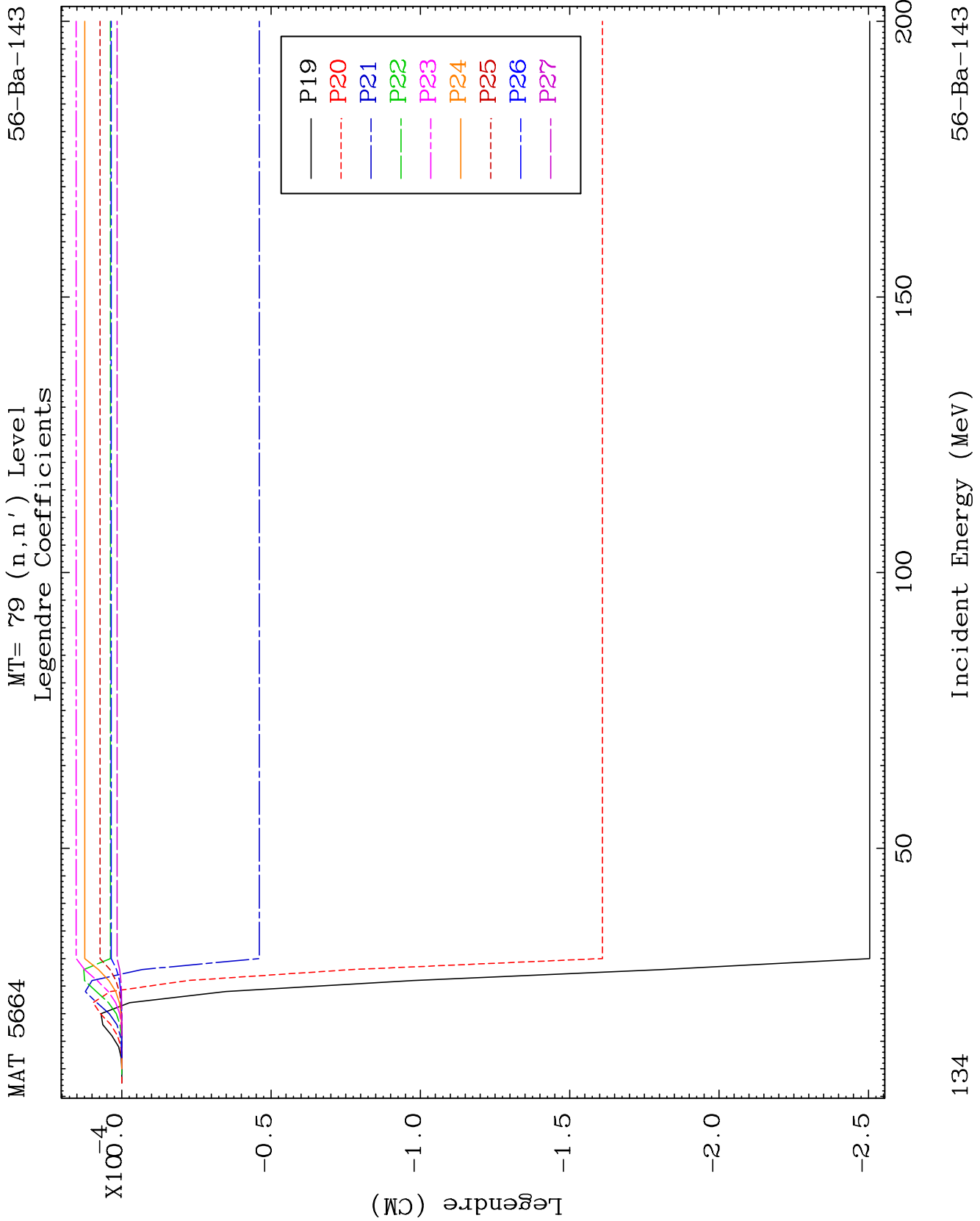
56-Ba-143



133

Incident Energy (MeV)

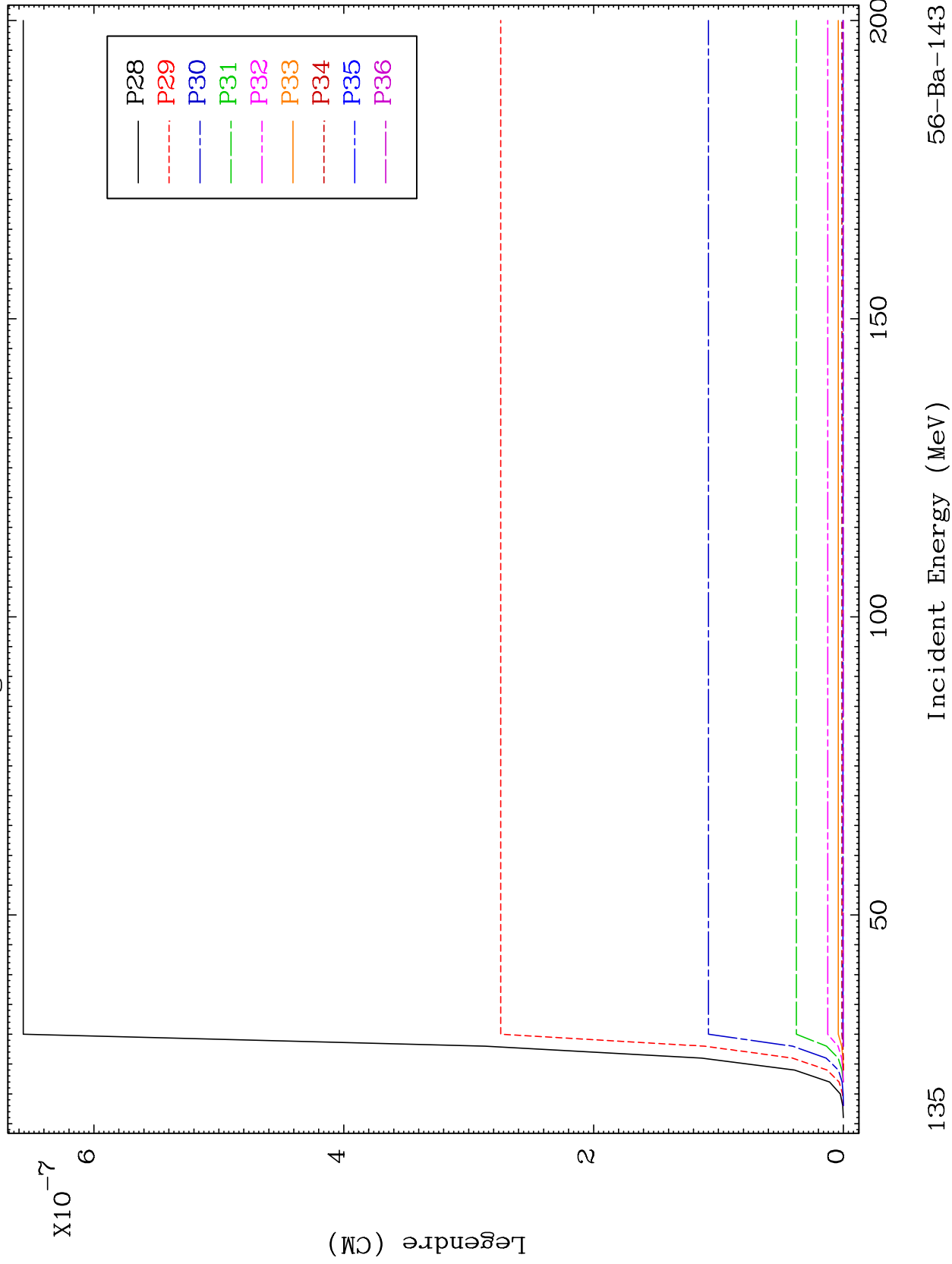
56-Ba-143



MAT 5664

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

56-Ba-143



135

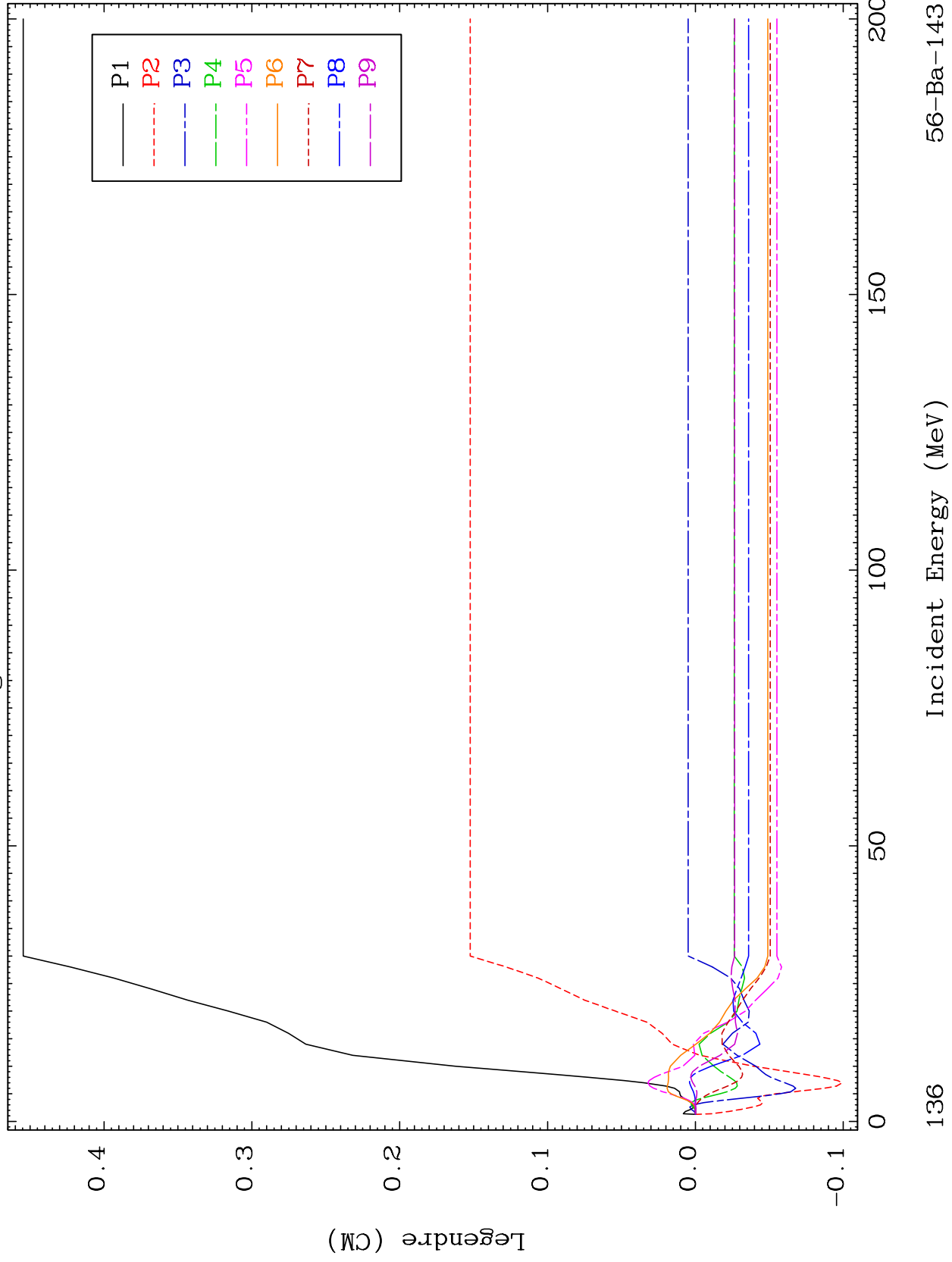
Incident Energy (MeV)

56-Ba-143

MAT 5664

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

56-Ba-143



56-Ba-143

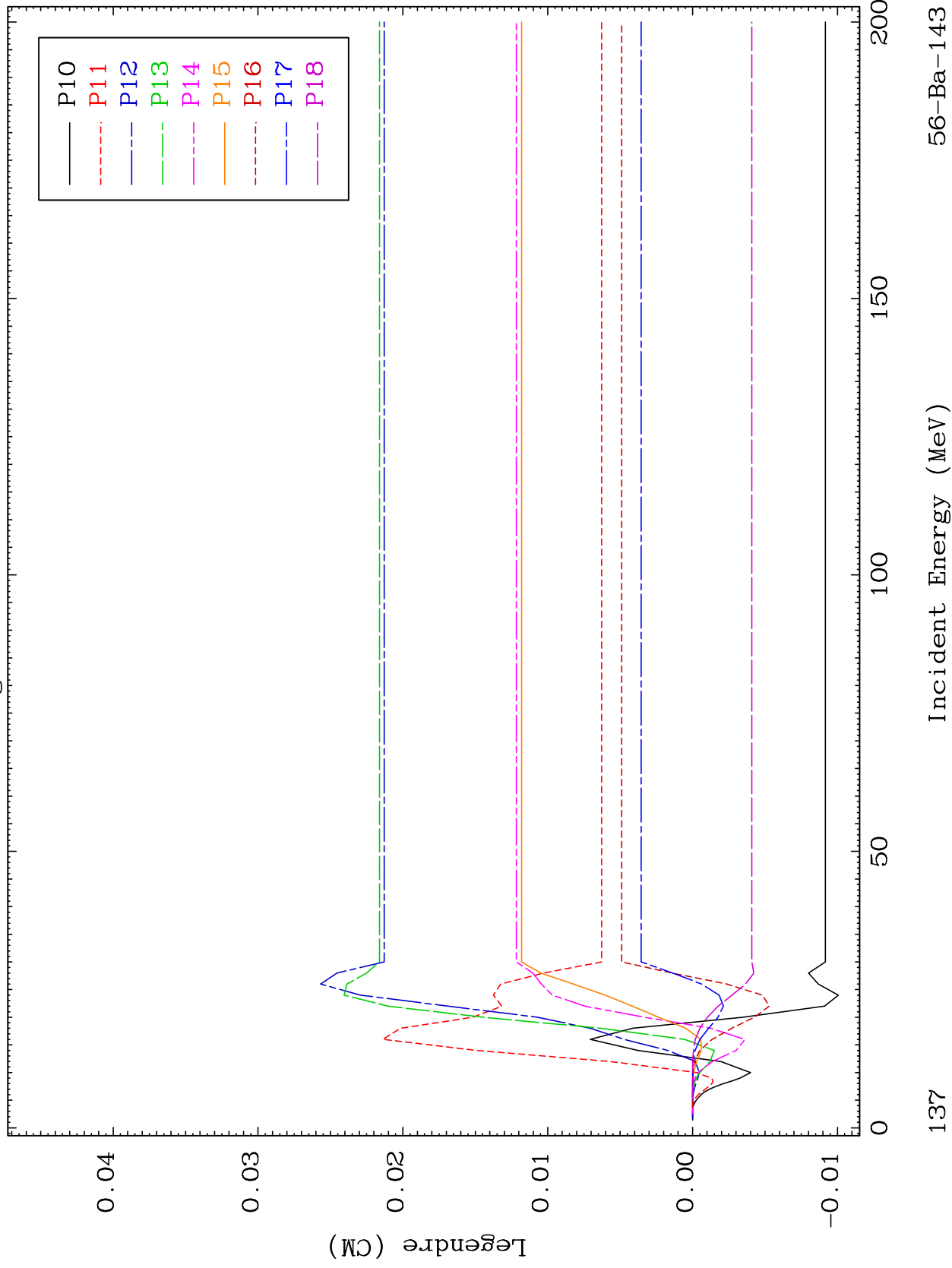
Incident Energy (MeV)

136

MAT 5664

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

56-Ba-143



56-Ba-143

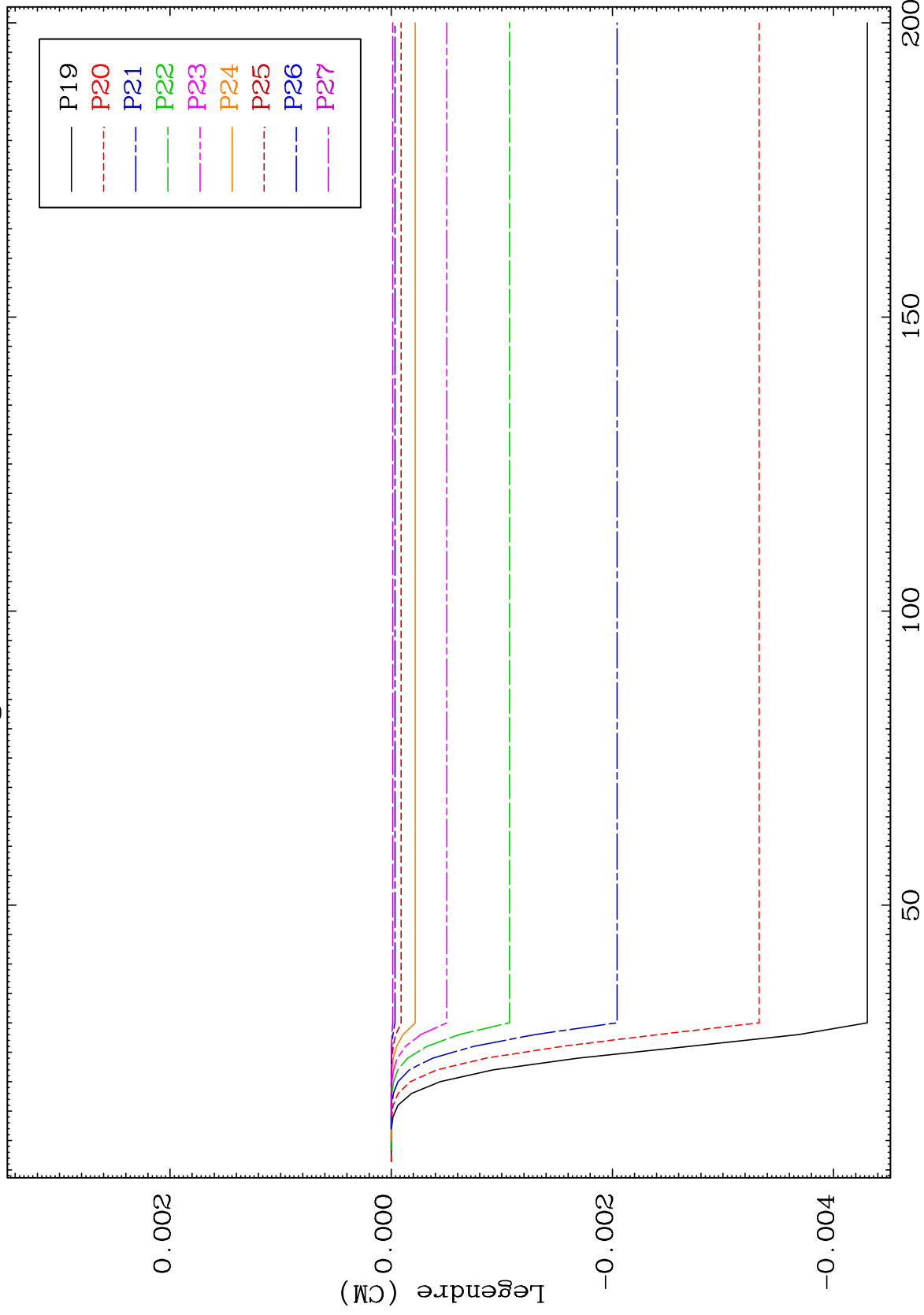
Incident Energy (MeV)

137

MAT 5664

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

56-Ba-143



138

Incident Energy (MeV)

56-Ba-143

