

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

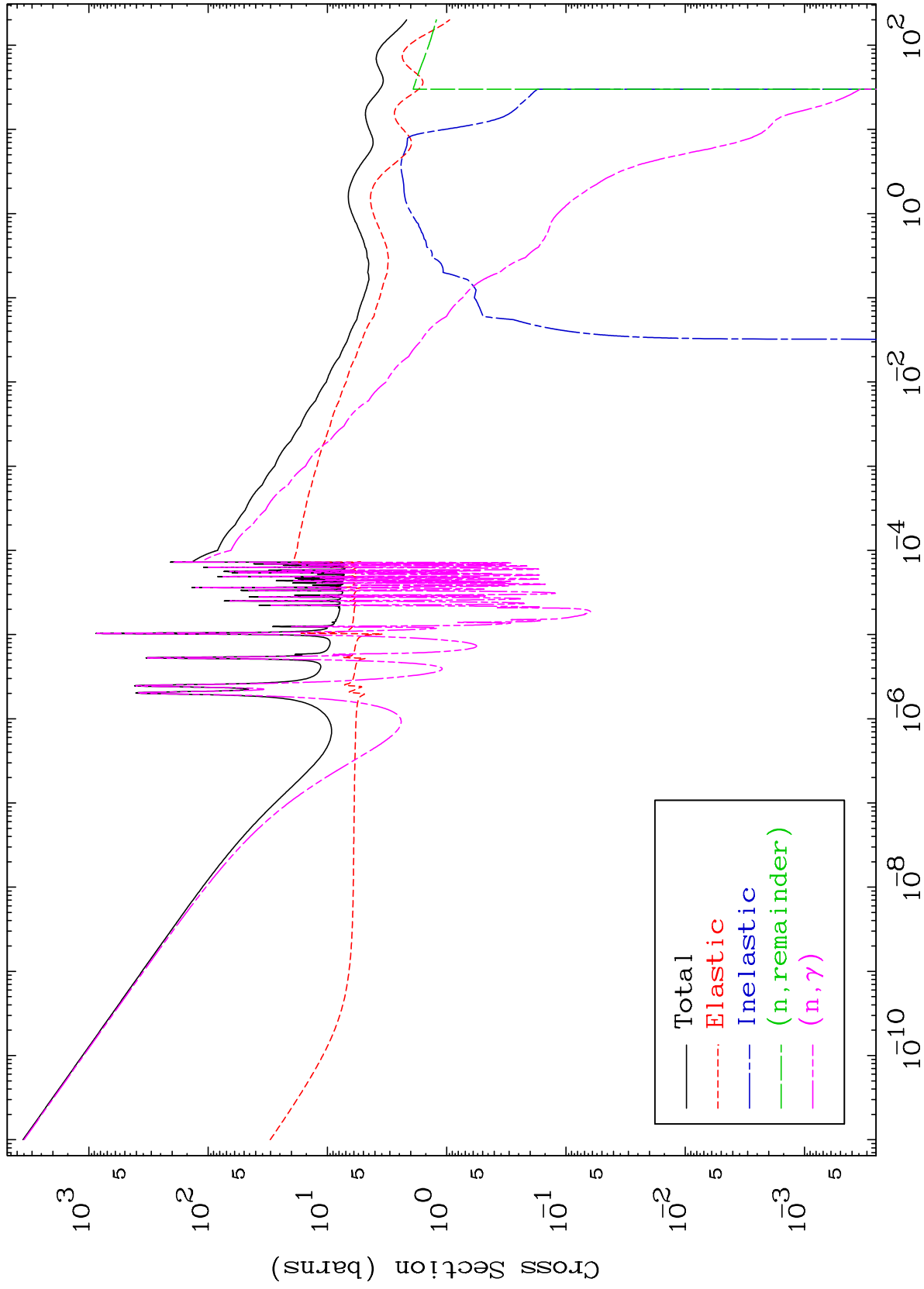
Press Mouse Button to Start

MAT 5713

Major

293 Kelvin Cross Sections

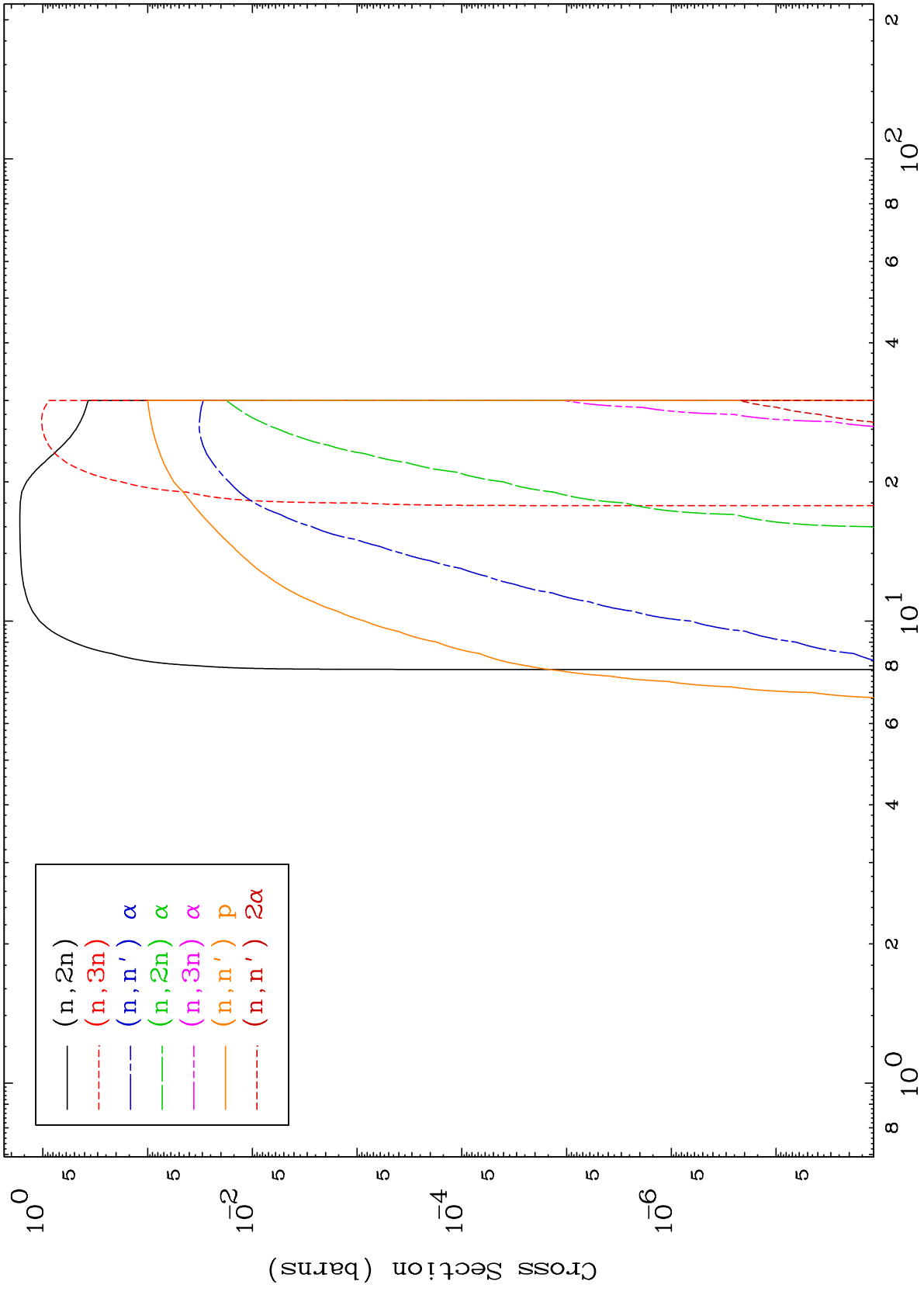
57-La-134



MAT 5713

Neutron Production  
293 Kelvin Cross Sections

57-La-134



2

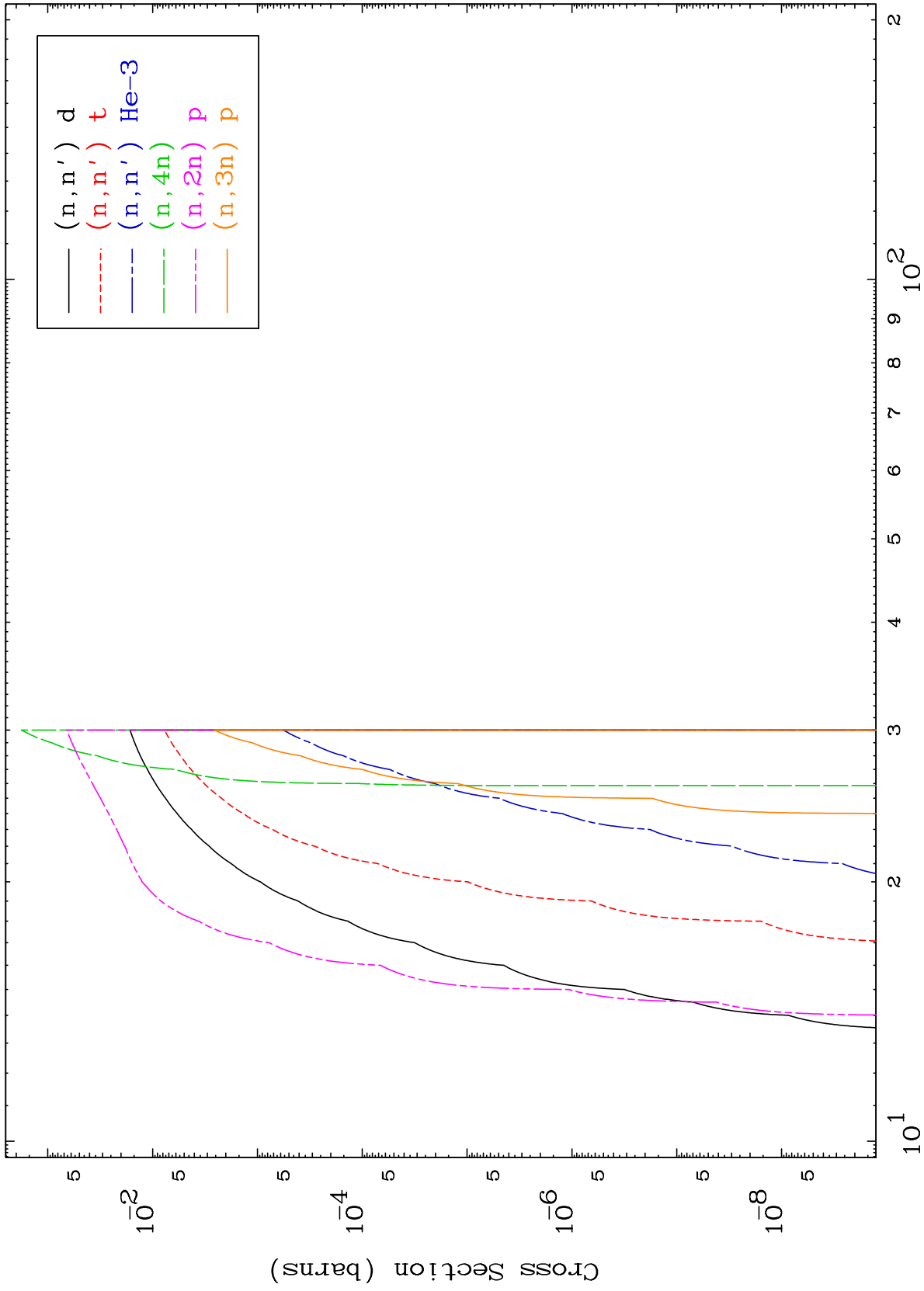
Incident Energy (MeV)

57-La-134

MAT 5713

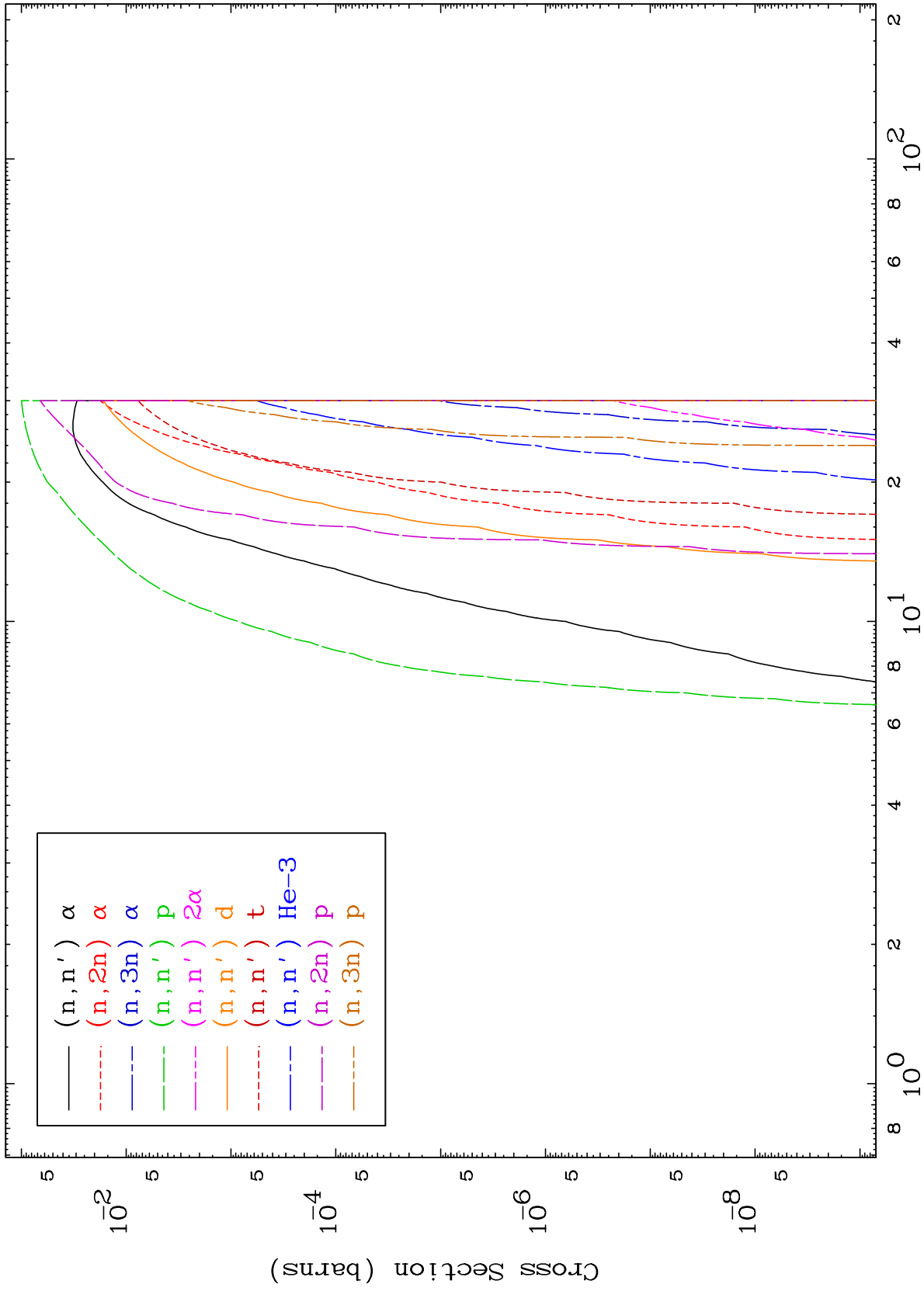
Neutron Production  
293 Kelvin Cross Sections

57-La-134



Incident Energy (MeV)

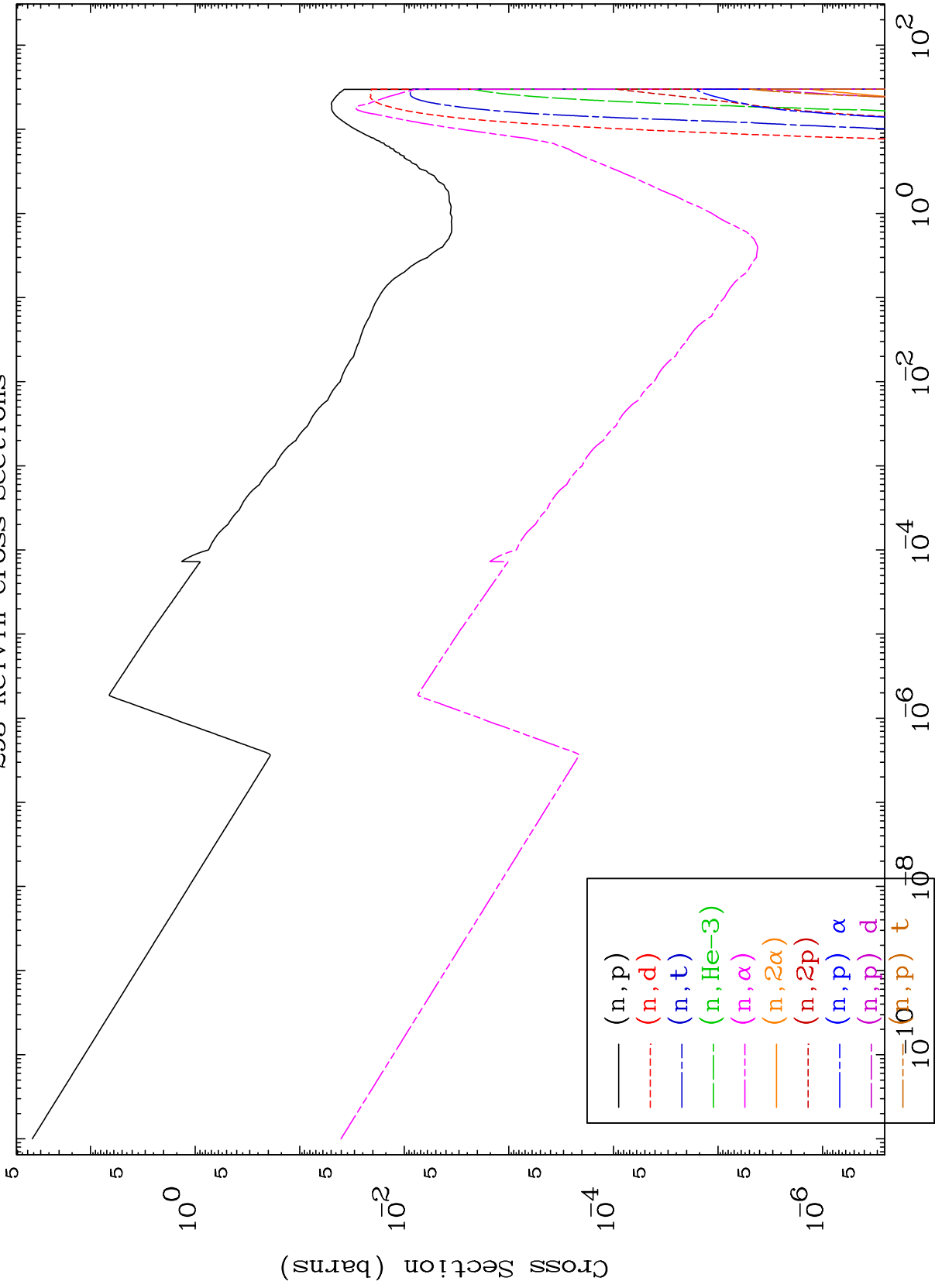
57-La-134



MAT 5713

293 Charged Particle  
Kelvin Cross Sections

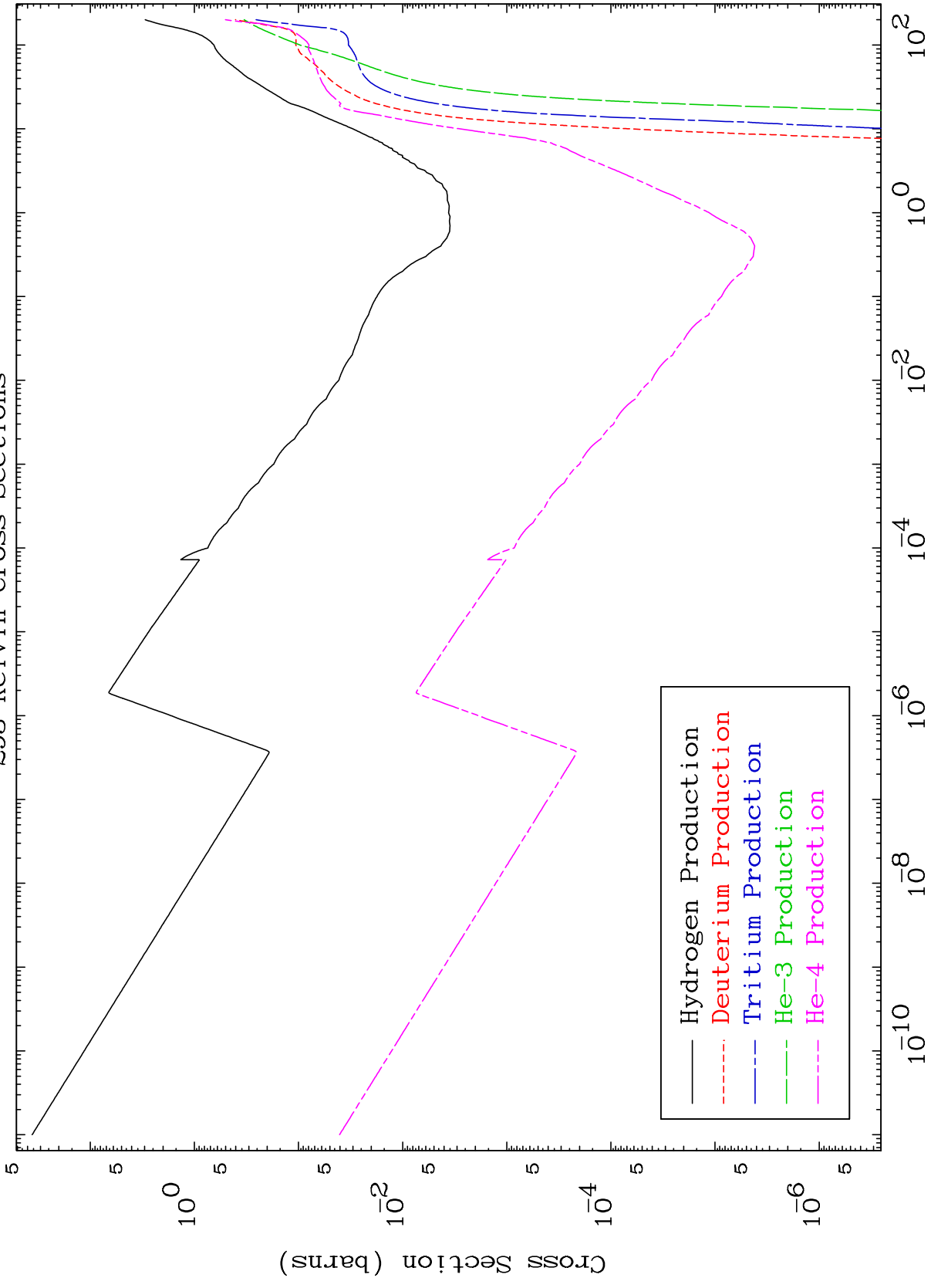
57-La-134



MAT 5713

Particle Production  
293 Kelvin Cross Sections

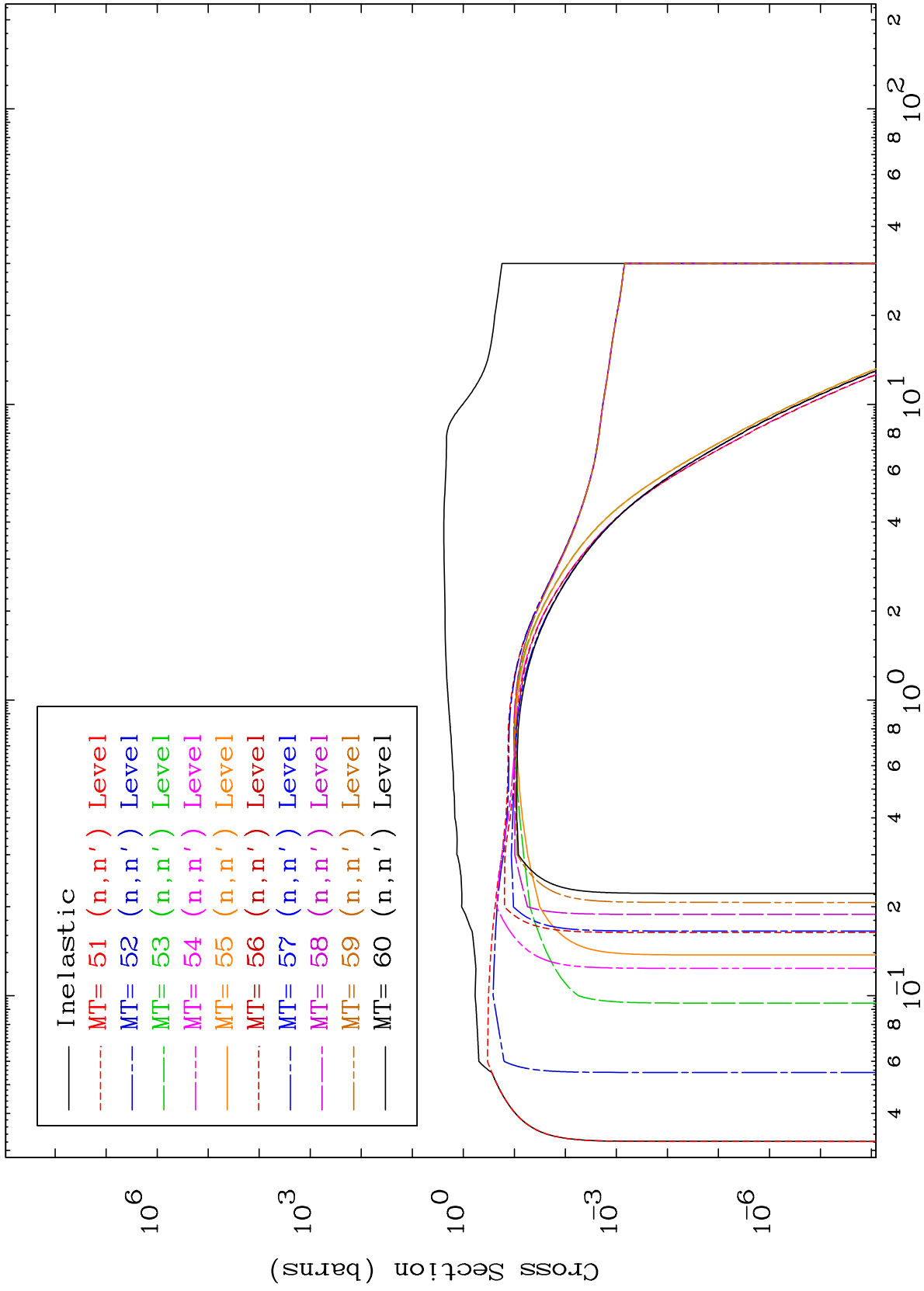
57-La-134



MAT 5713

(n,n') Level  
293 Kelvin Cross Sections

57-La-134



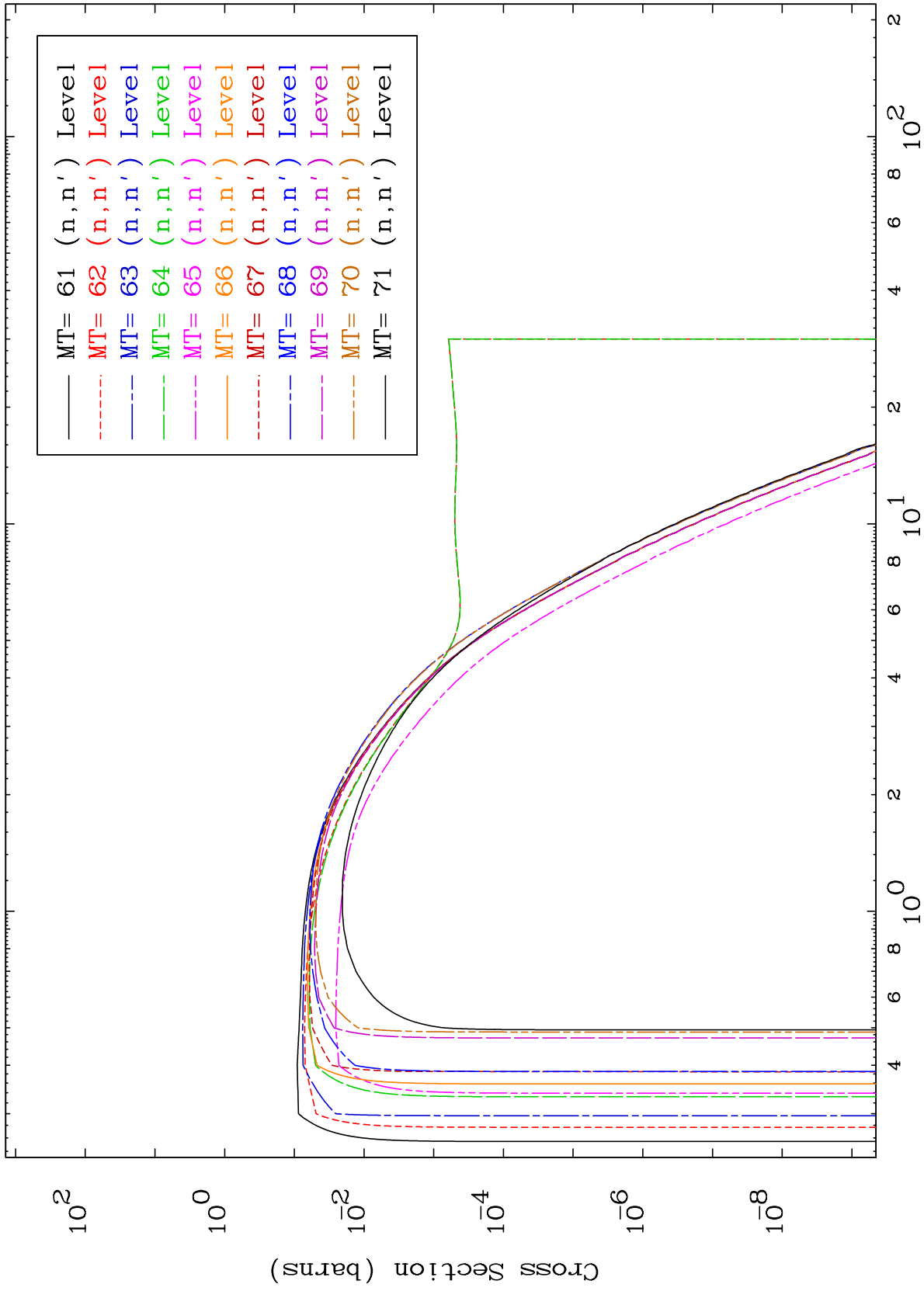


MAT 5713

(n,n') Level

57-La-134

293 Kelvin Cross Sections



8

Incident Energy (MeV)

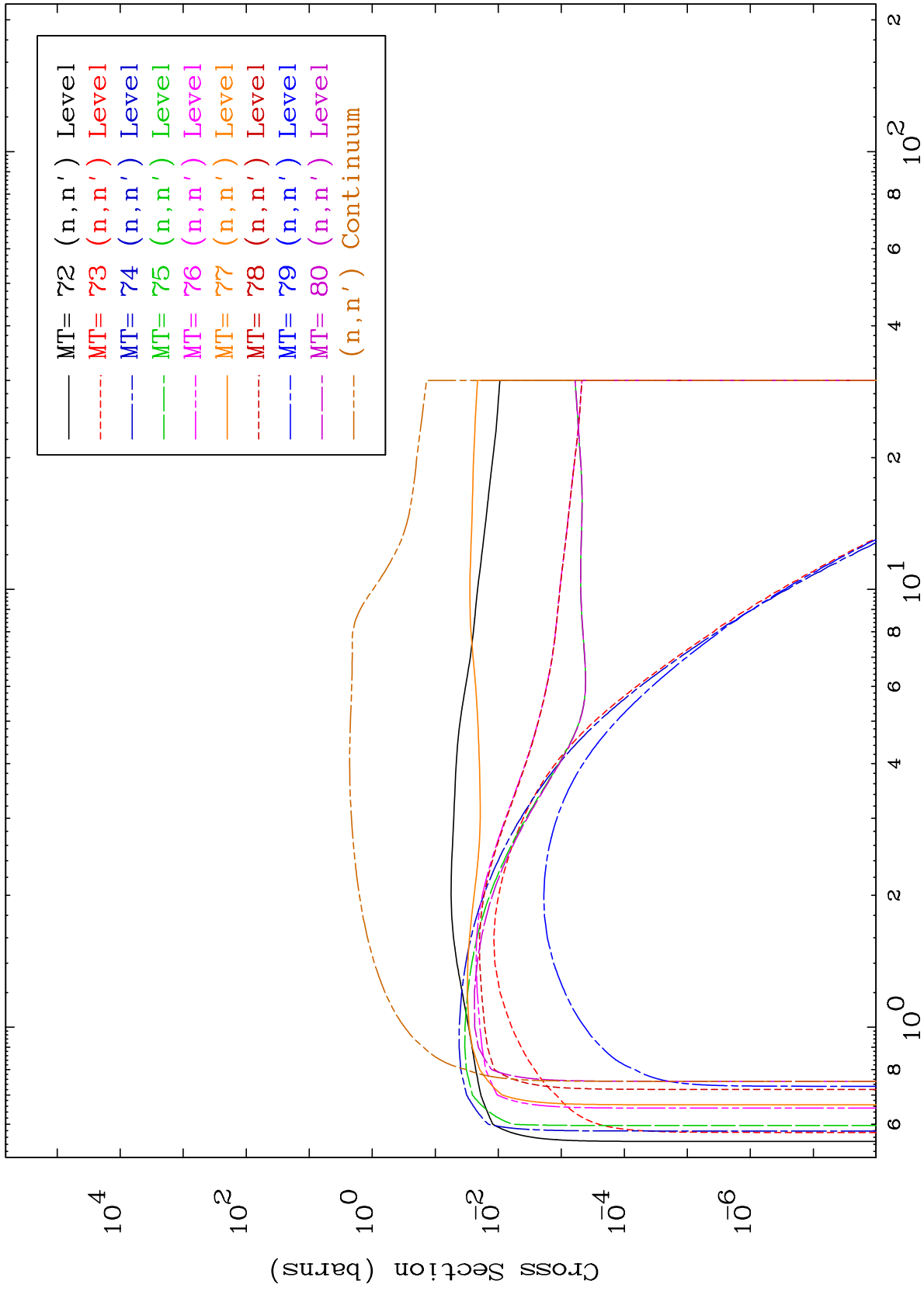
57-La-134

MAT 5713

(n,n') Level

57-La-134

293 Kelvin Cross Sections



9

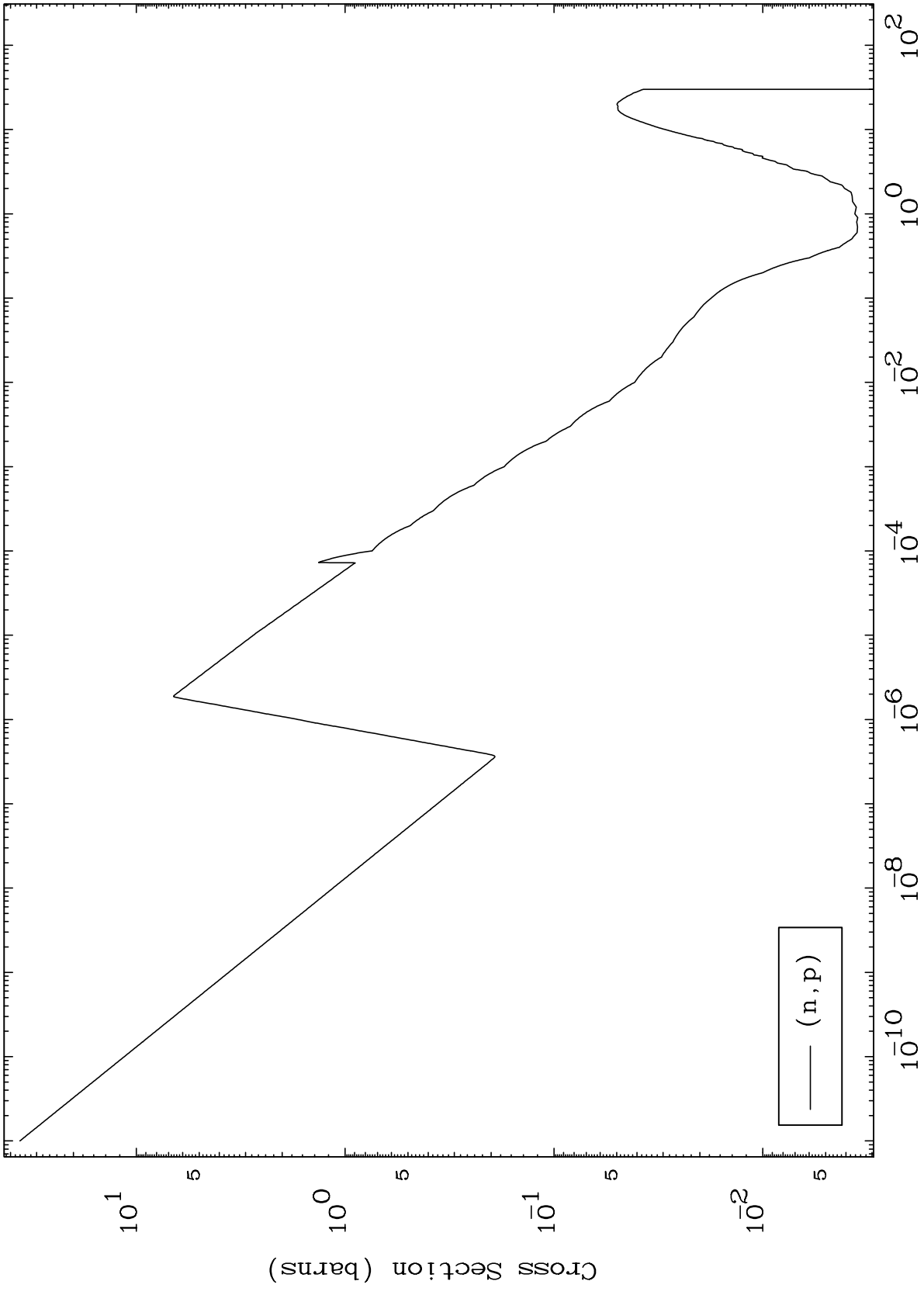
Incident Energy (MeV)

57-La-134

MAT 5713

(n,p) Levels  
293 Kelvin Cross Sections

57-La-134



10

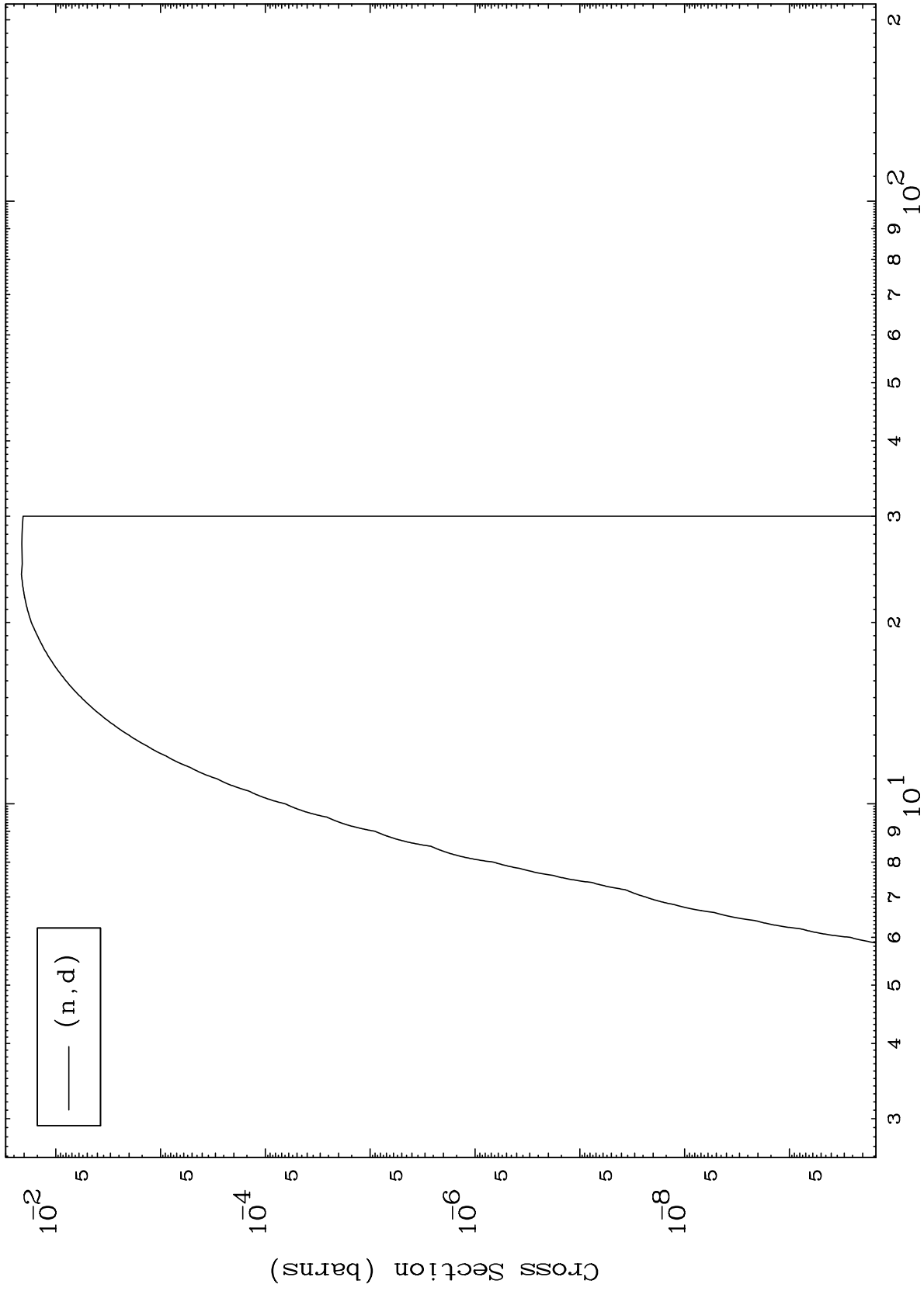
Incident Energy (MeV)

57-La-134

MAT 5713

(n,d) Levels  
293 Kelvin Cross Sections

57-La-134



11

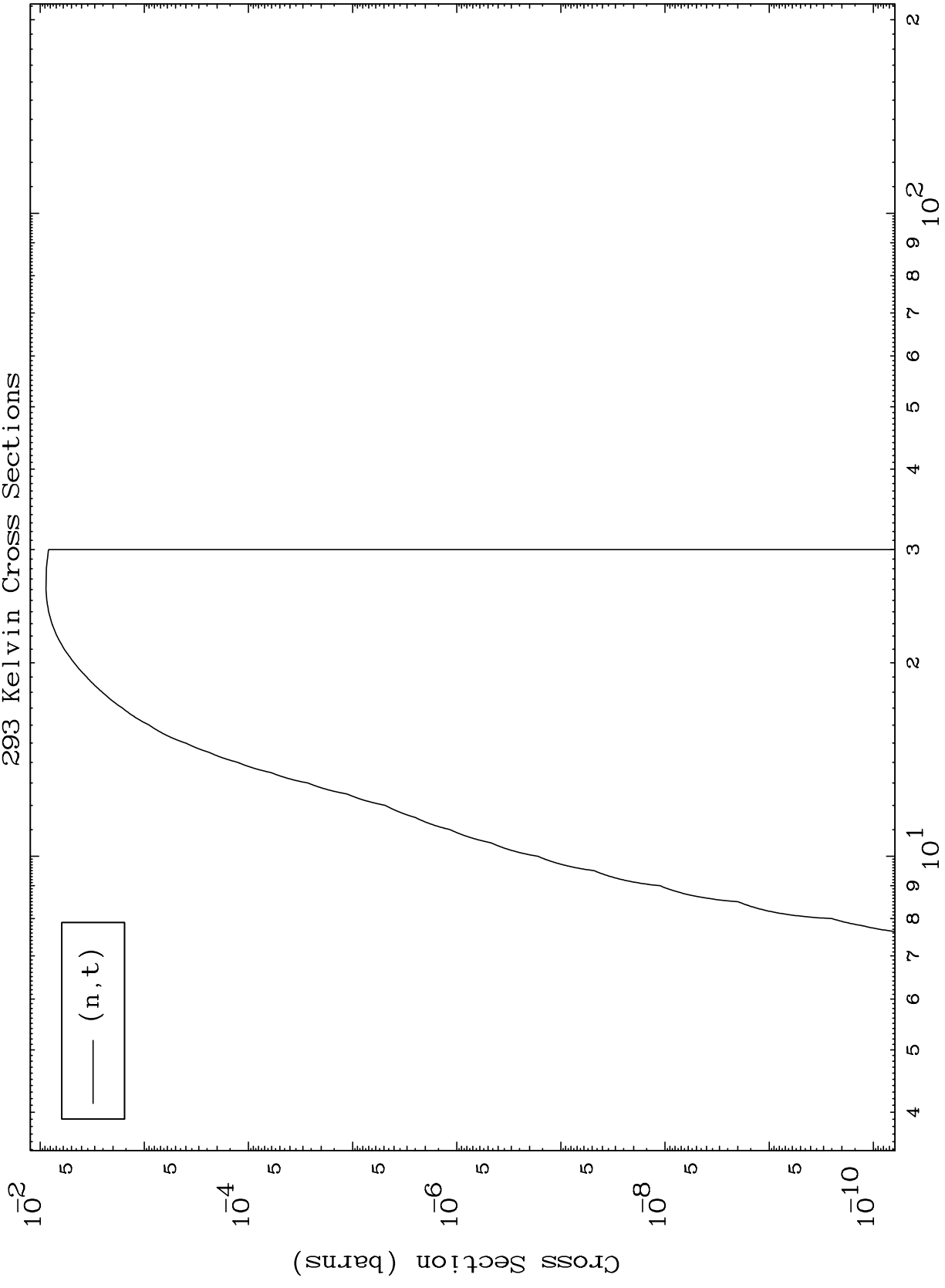
Incident Energy (MeV)

57-La-134

MAT 5713

(n,t) Levels  
293 Kelvin Cross Sections

57-La-134



(n,t)

12

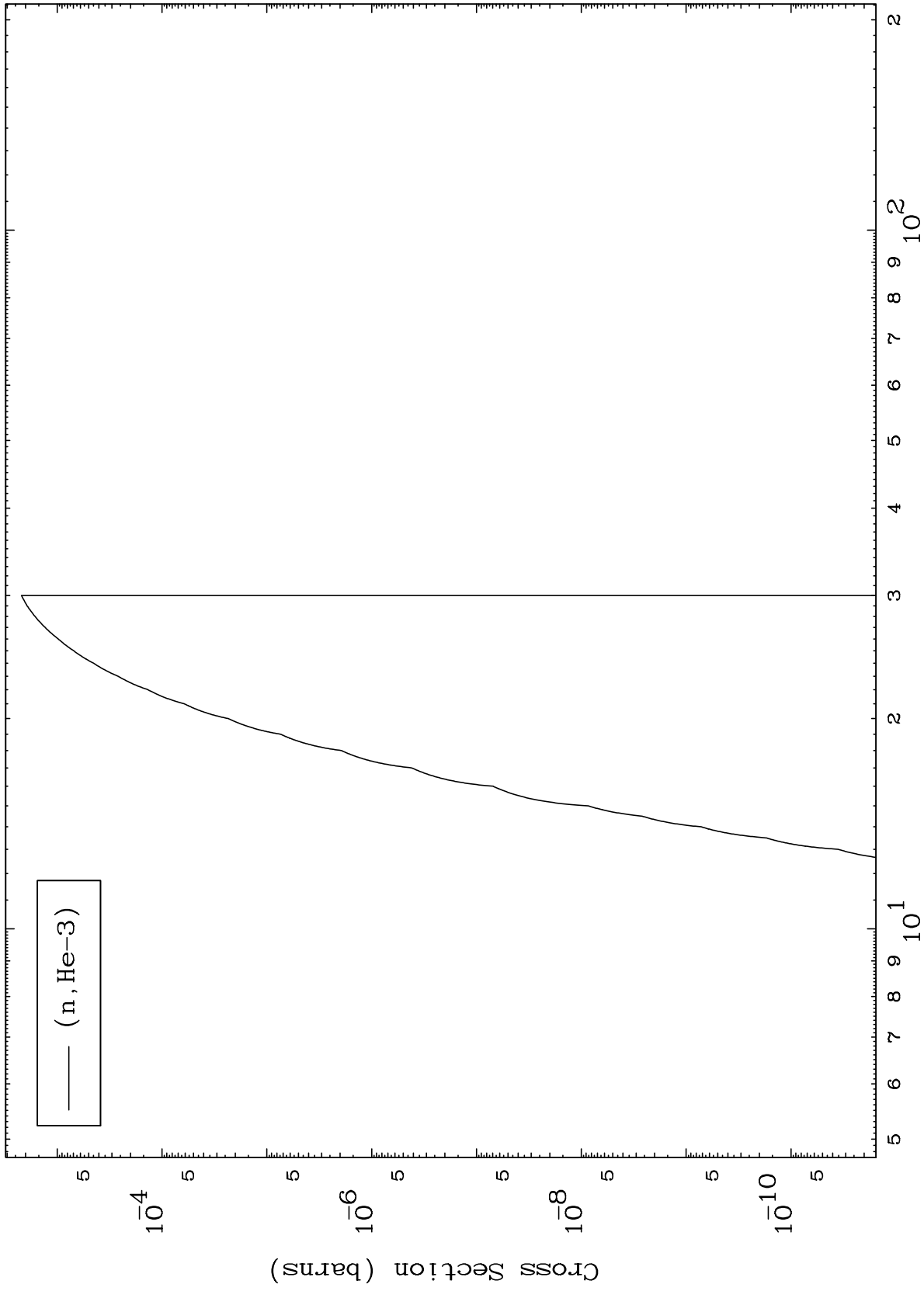
Incident Energy (MeV)

57-La-134

MAT 5713

(n,He3) Levels  
293 Kelvin Cross Sections

57-La-134



13

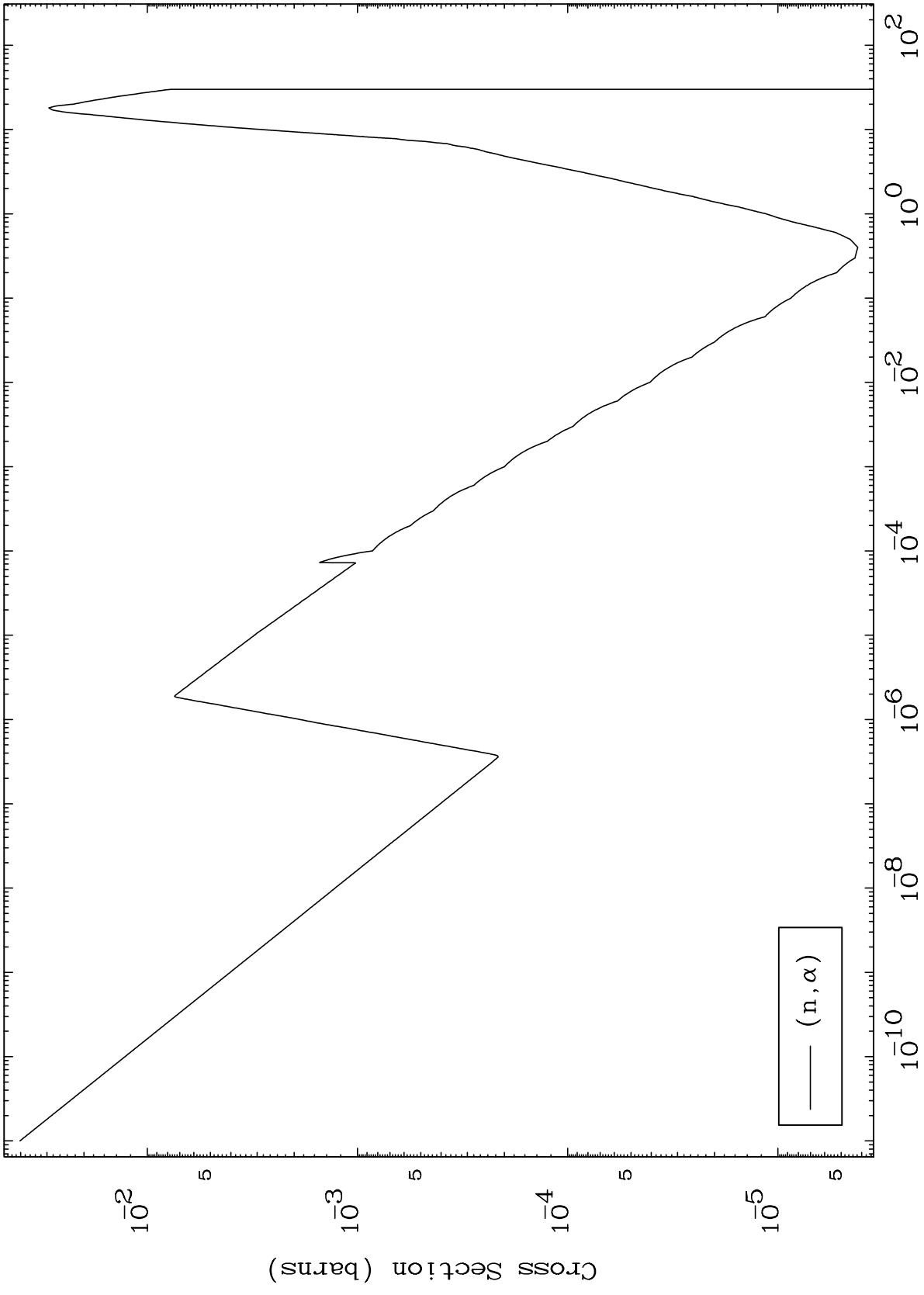
Incident Energy (MeV)

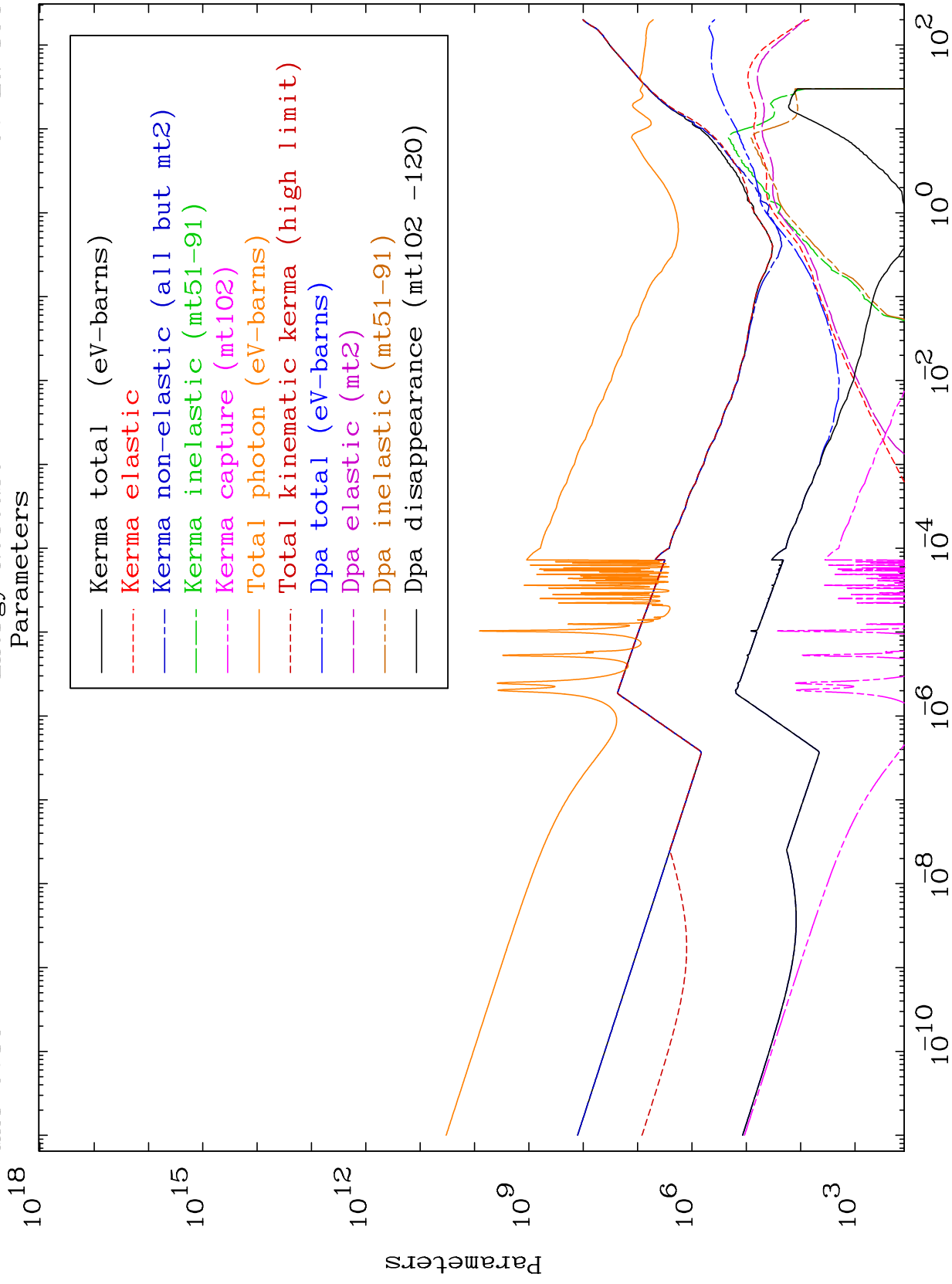
57-La-134

MAT 5713

(n,α) Levels  
293 Kelvin Cross Sections

57-La-134



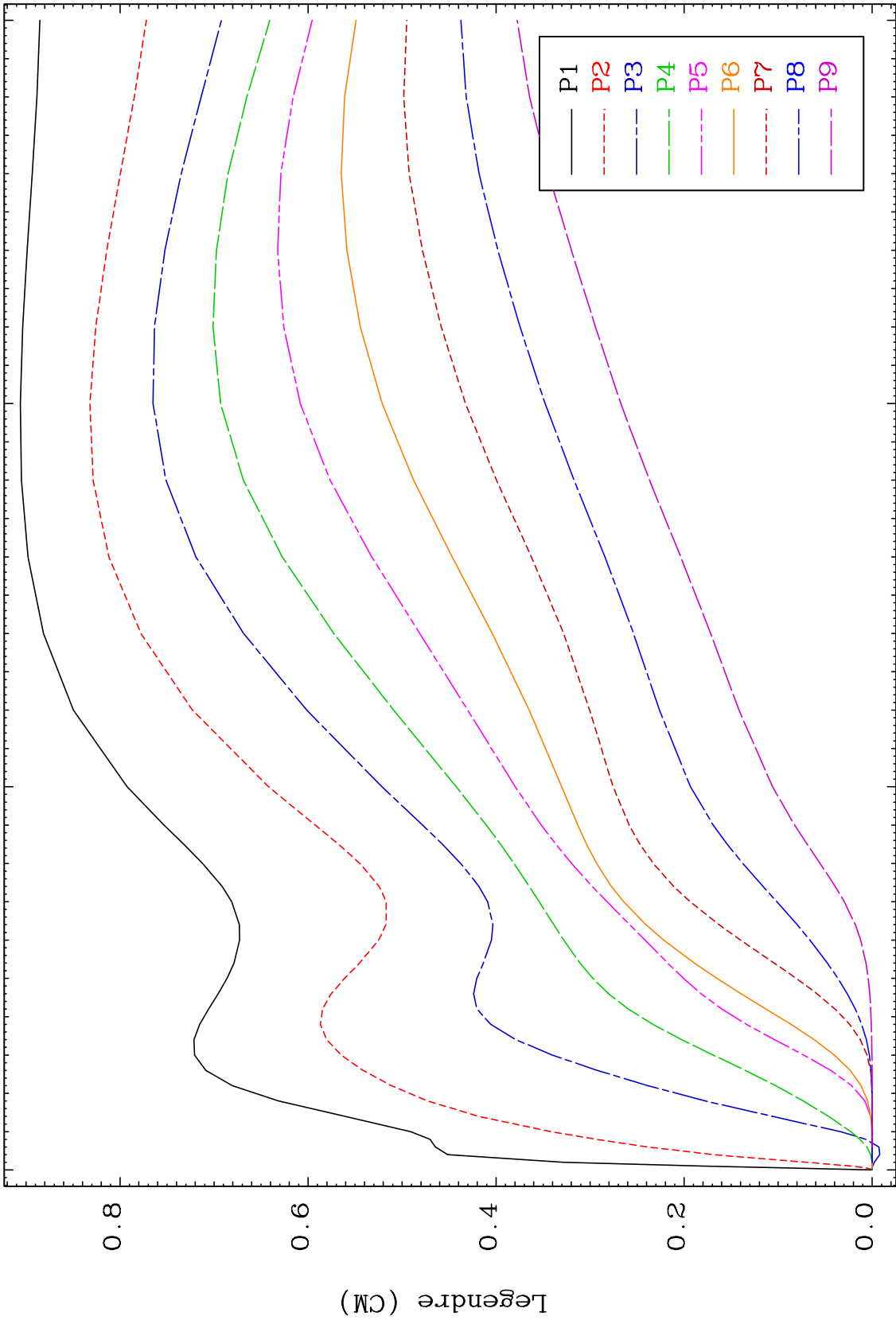




MAT 5713

Elastic Legendre Coefficients

57-La-134



16

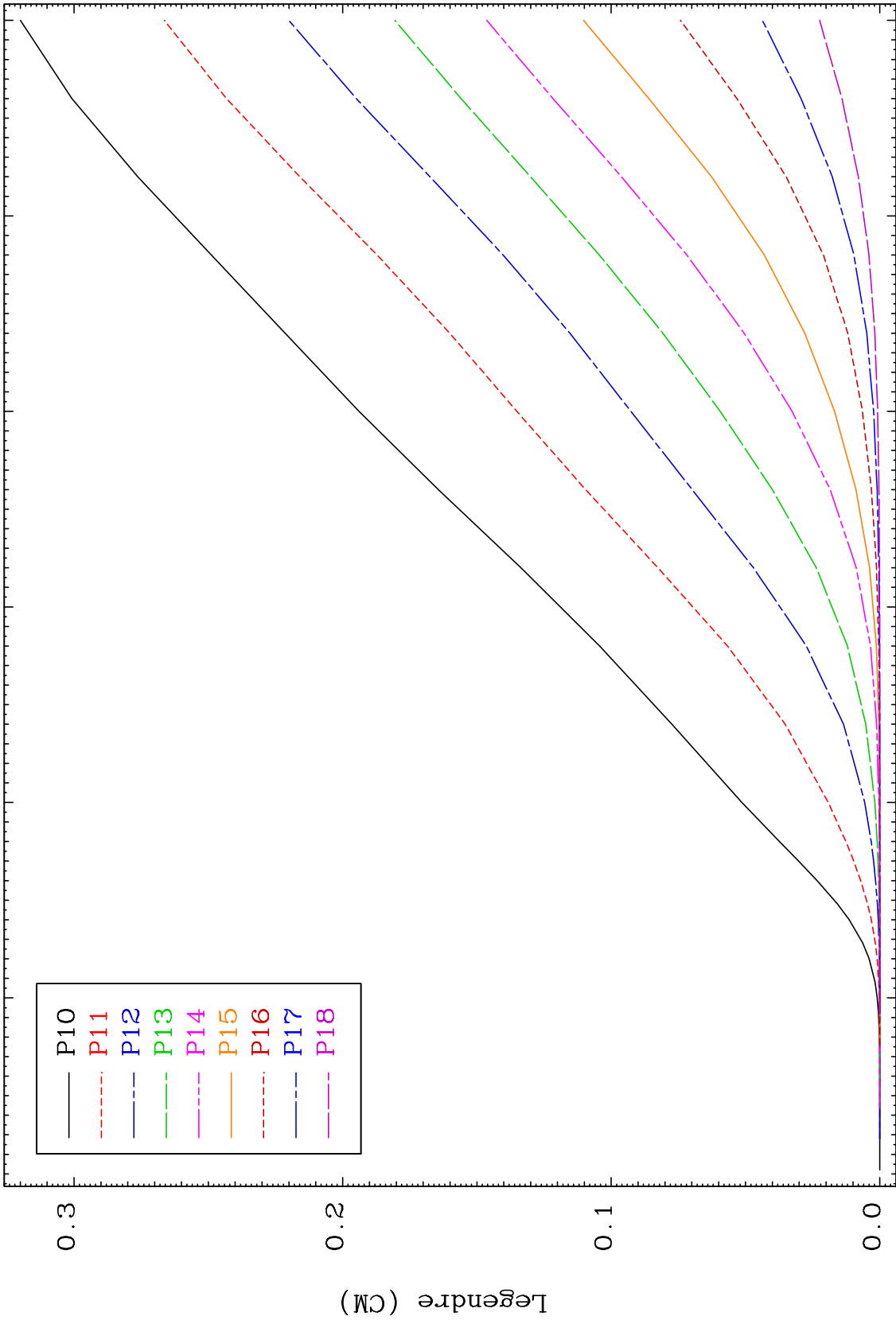
Incident Energy (MeV)

57-La-134

MAT 5713

Elastic Legendre Coefficients

57-La-134



Legendre (CM)

17

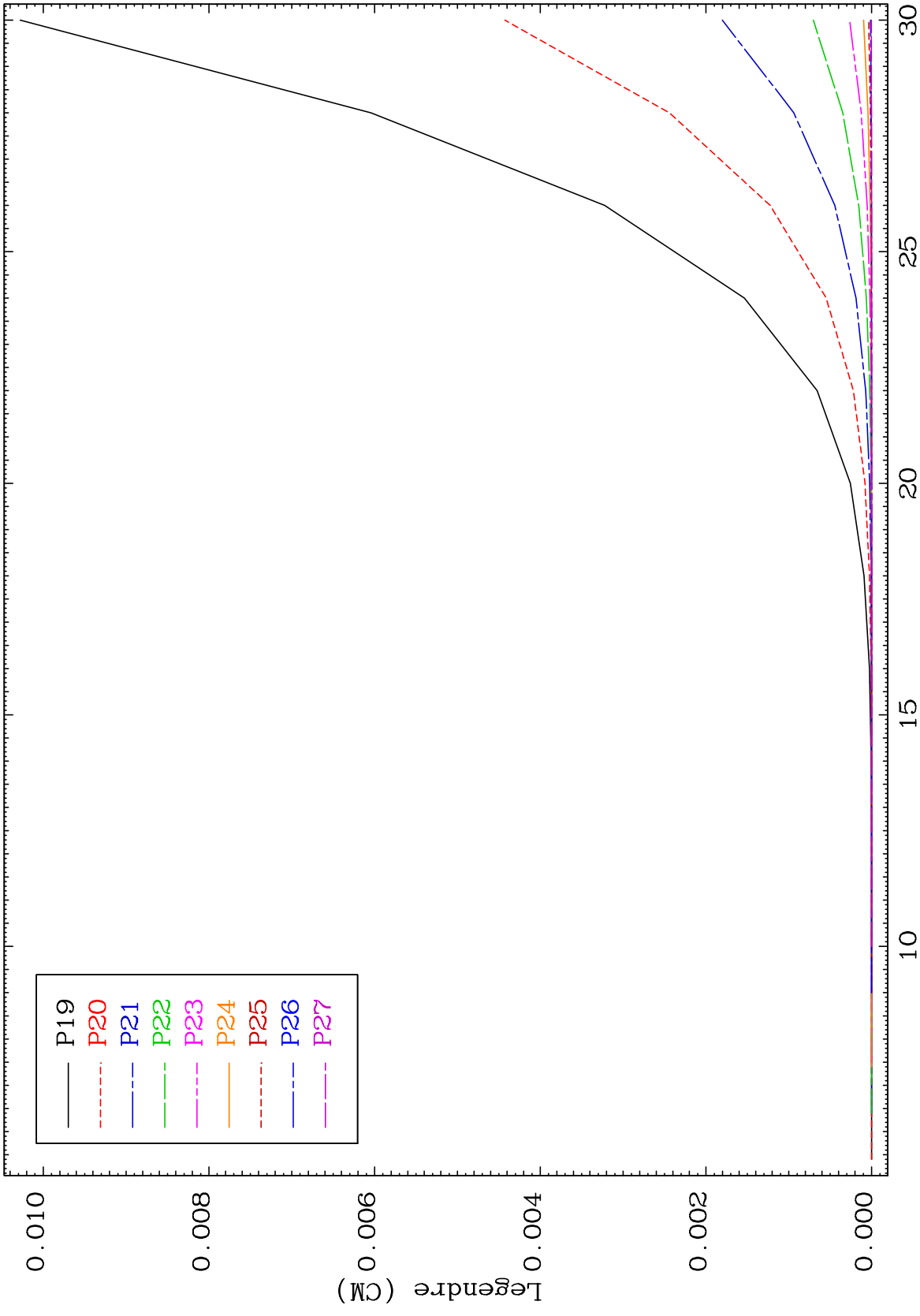
Incident Energy (MeV)

57-La-134

MAT 5713

### Elastic Legendre Coefficients

57-La-134



18

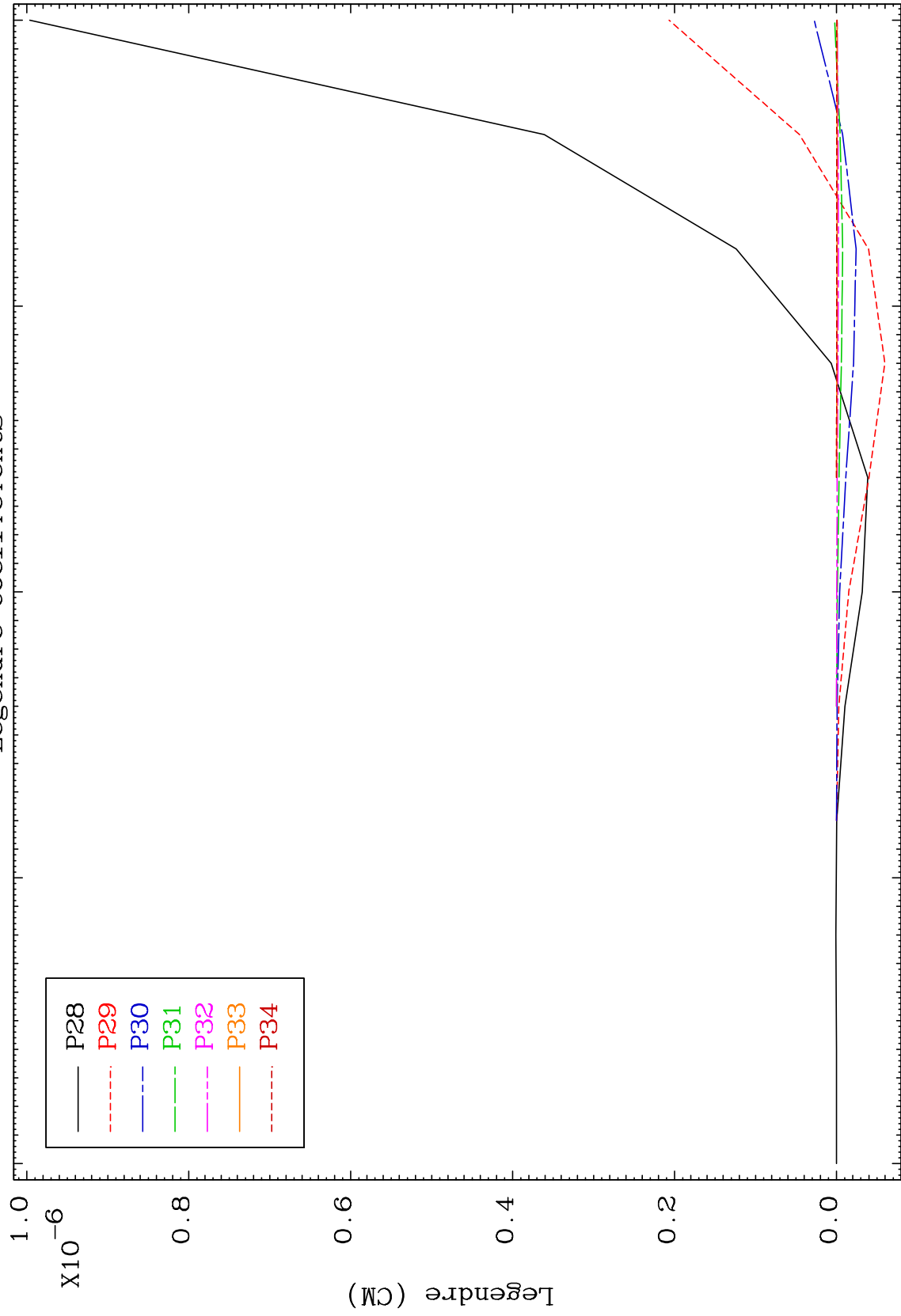
Incident Energy (MeV)

57-La-134

MAT 5713

Elastic Legendre Coefficients

57-La-134



19

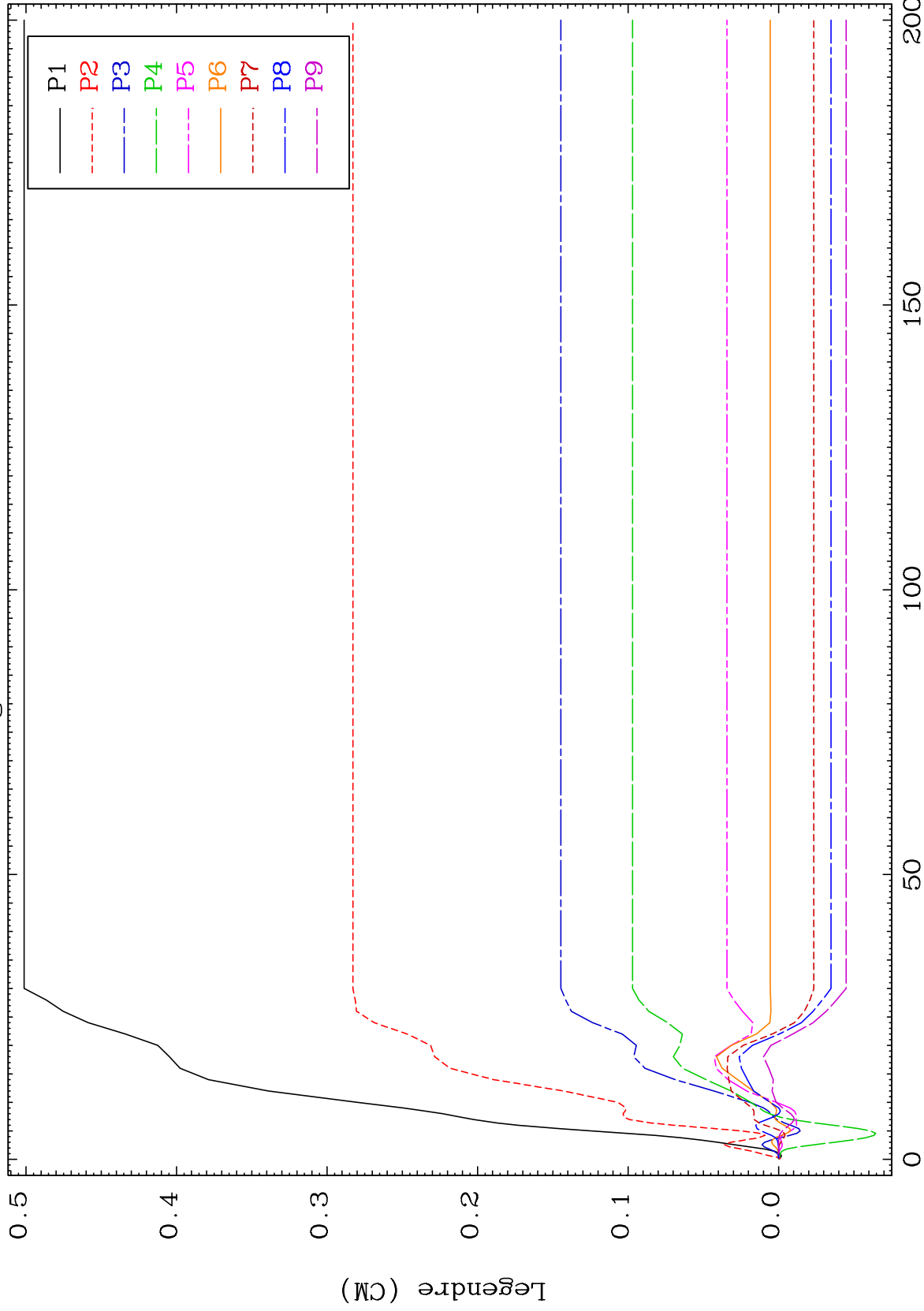
Incident Energy (MeV)

57-La-134

MAT 5713

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

57-La-134



57-La-134

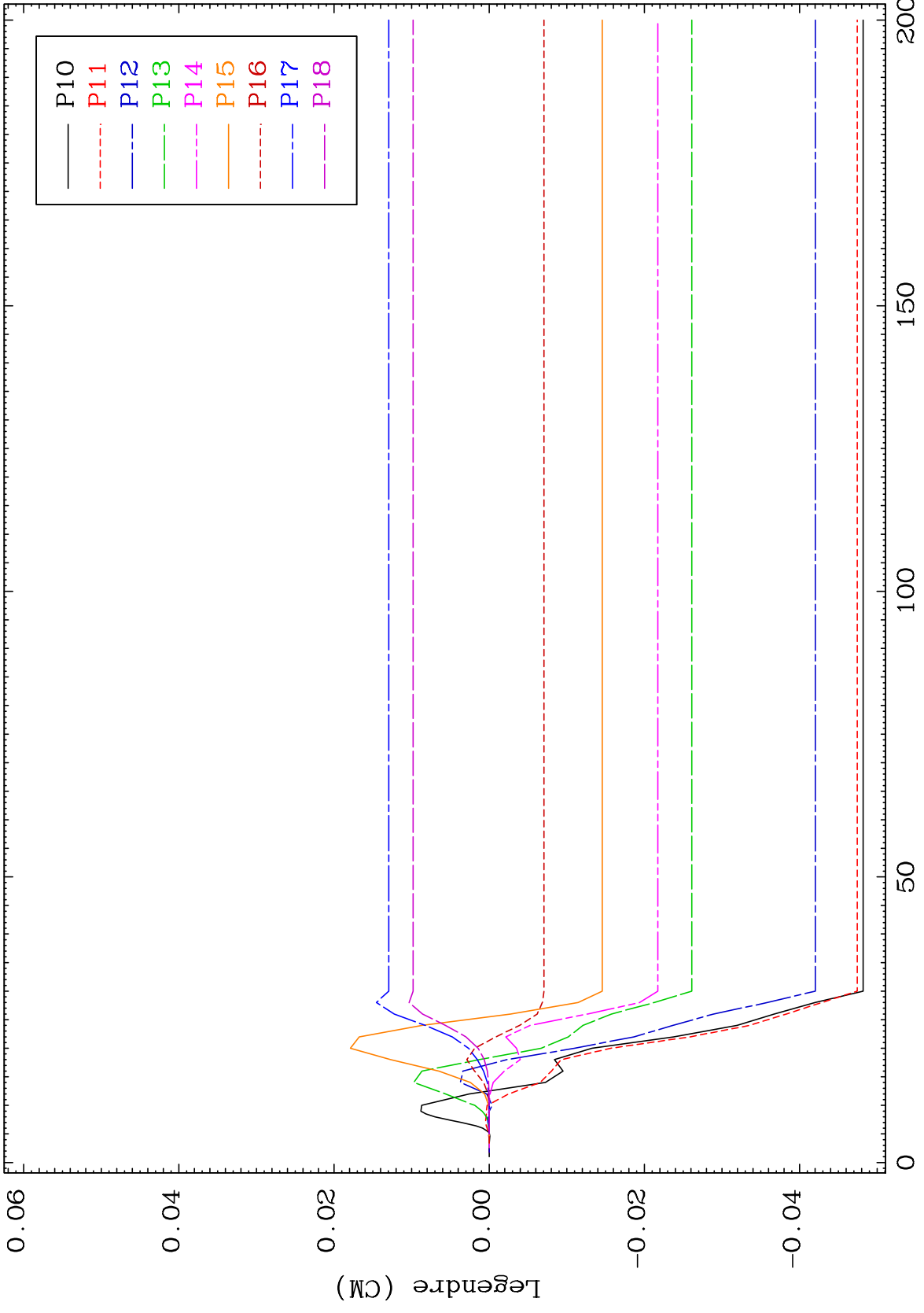
Incident Energy (MeV)

20

MAT 5713

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

57-La-134



21

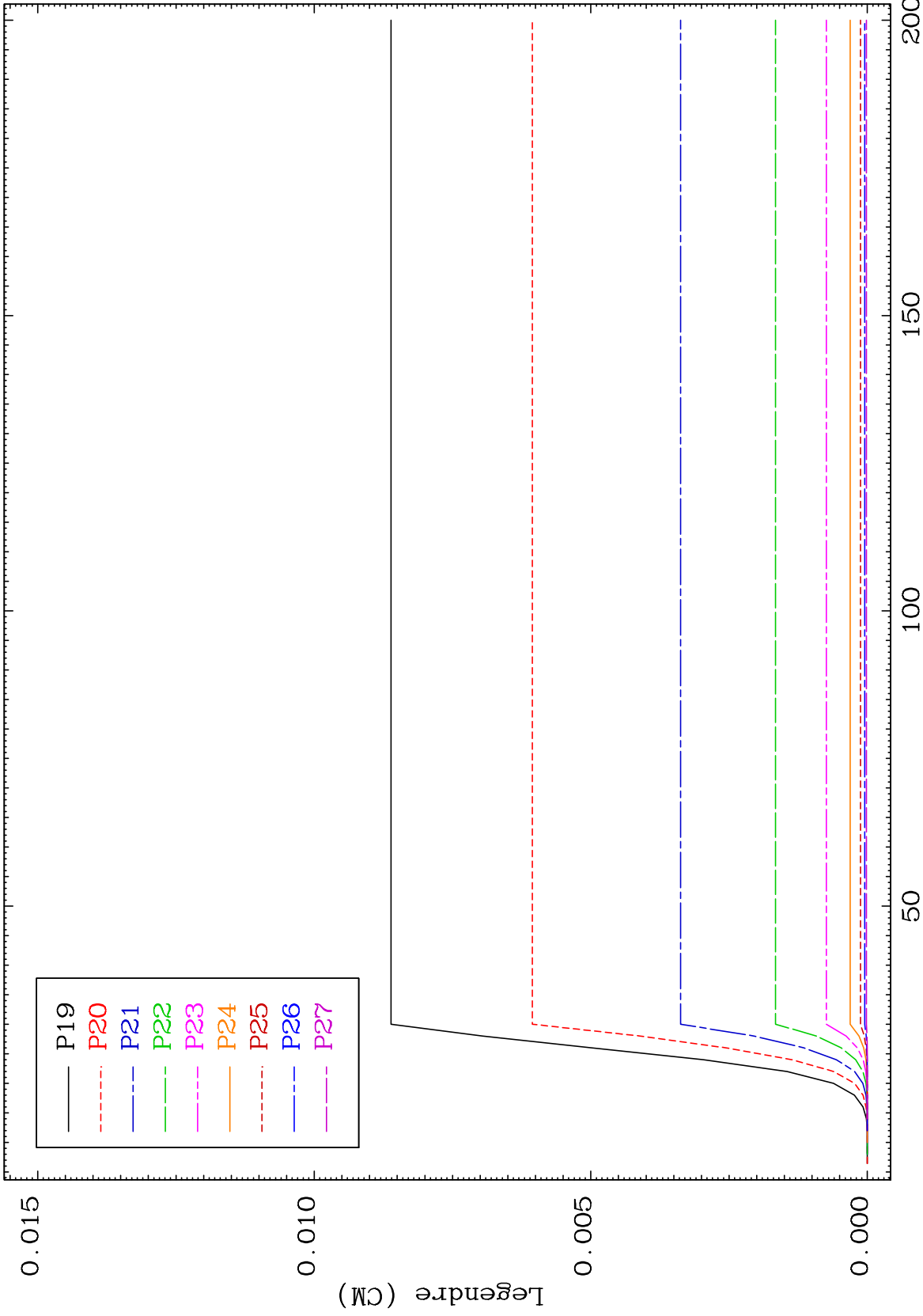
Incident Energy (MeV)

57-La-134

MAT 5713

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

57-La-134



22

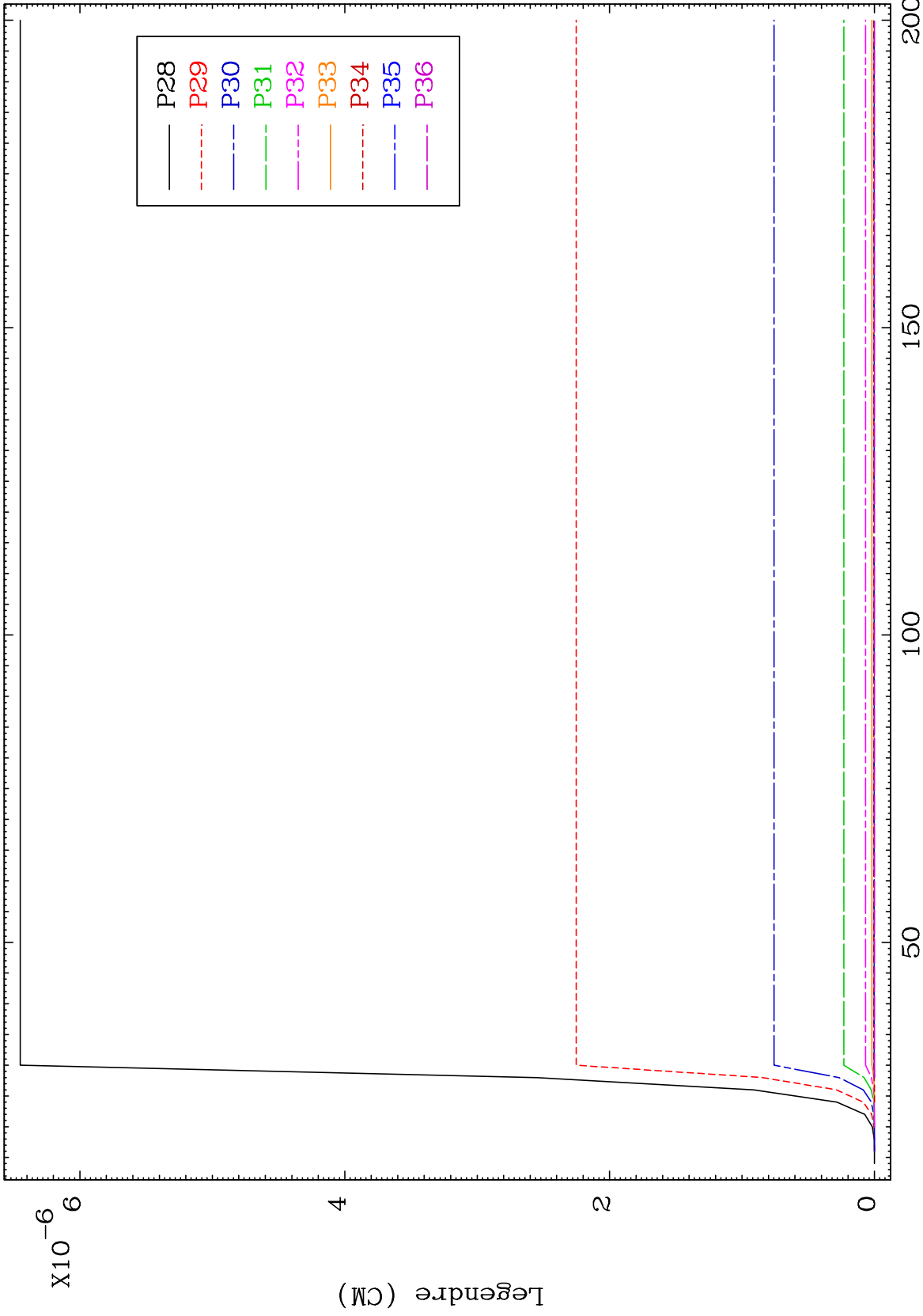
Incident Energy (MeV)

57-La-134

MAT 5713

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

57-La-134



23

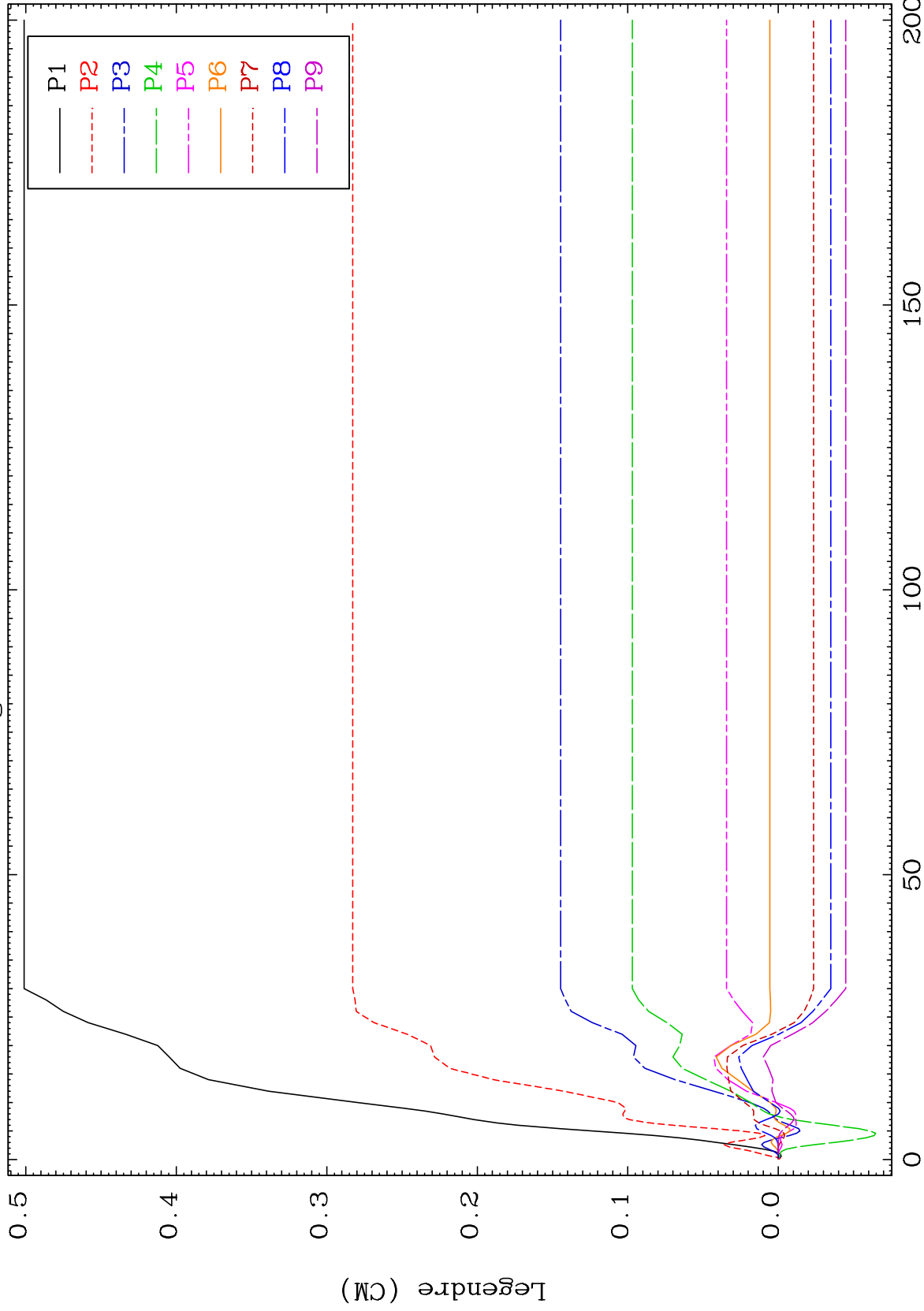
57-La-134



MAT 5713

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

57-La-134



24

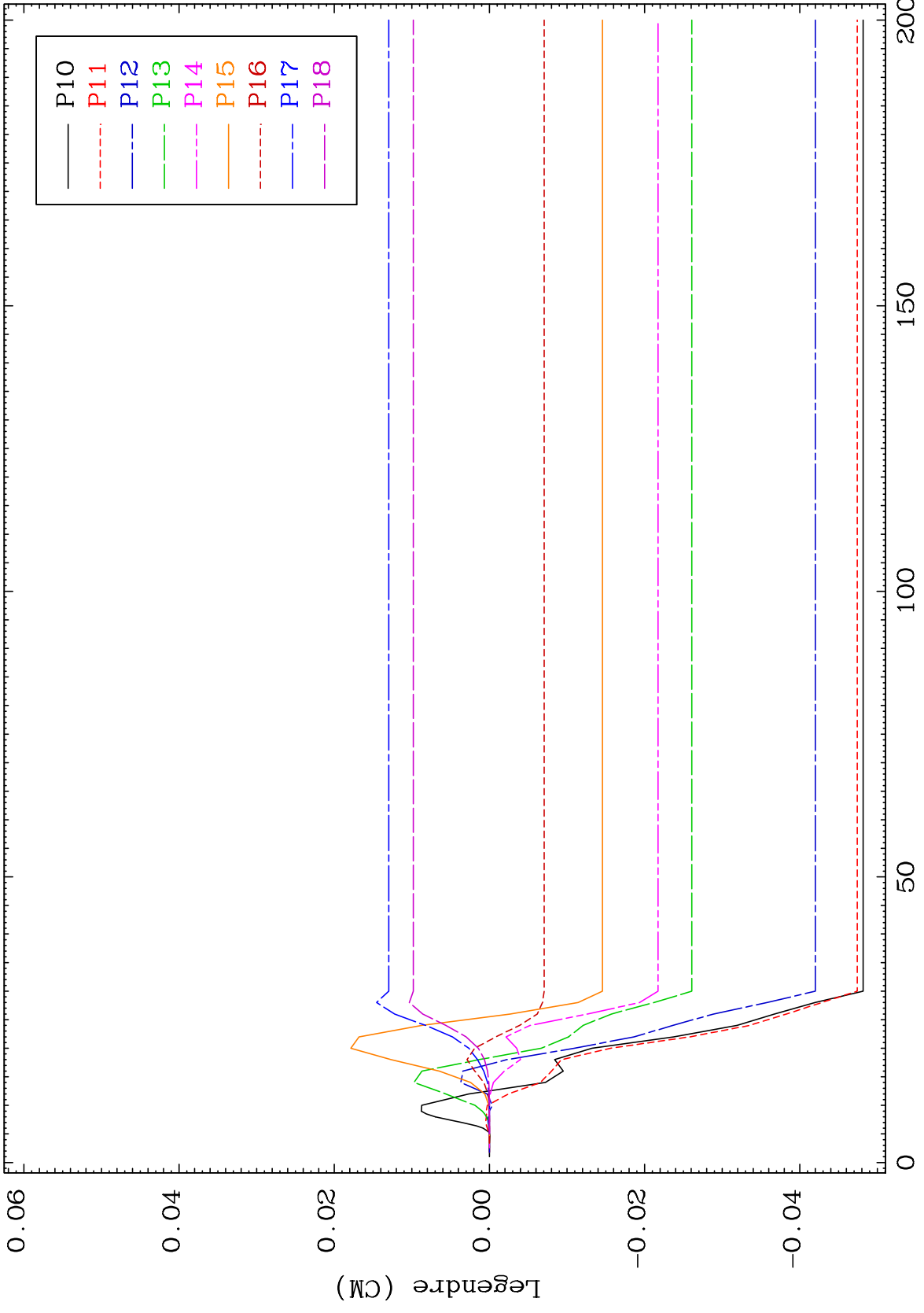
Incident Energy (MeV)

57-La-134

MAT 5713

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

57-La-134



25

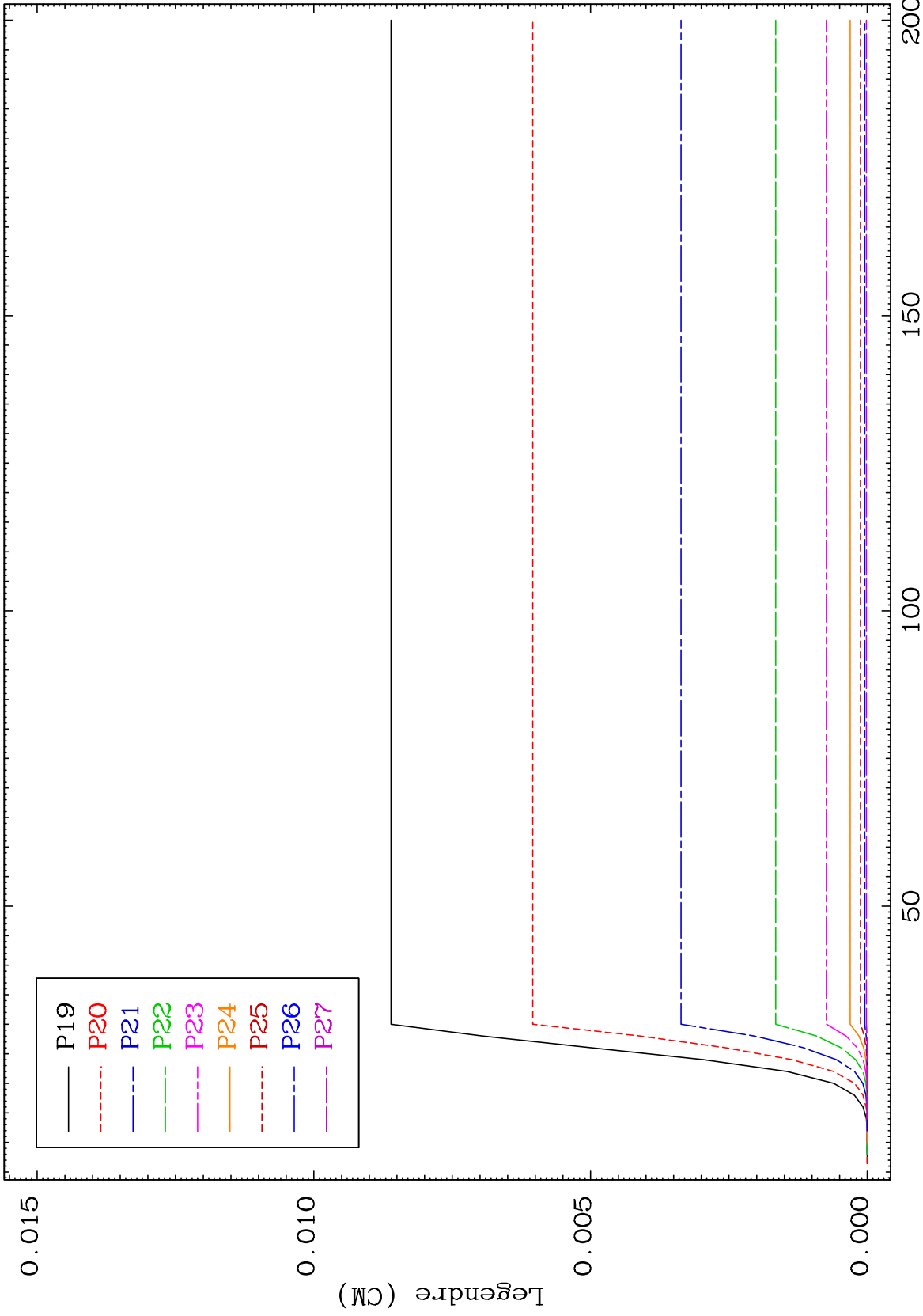
Incident Energy (MeV)

57-La-134

MAT 5713

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

57-La-134



26

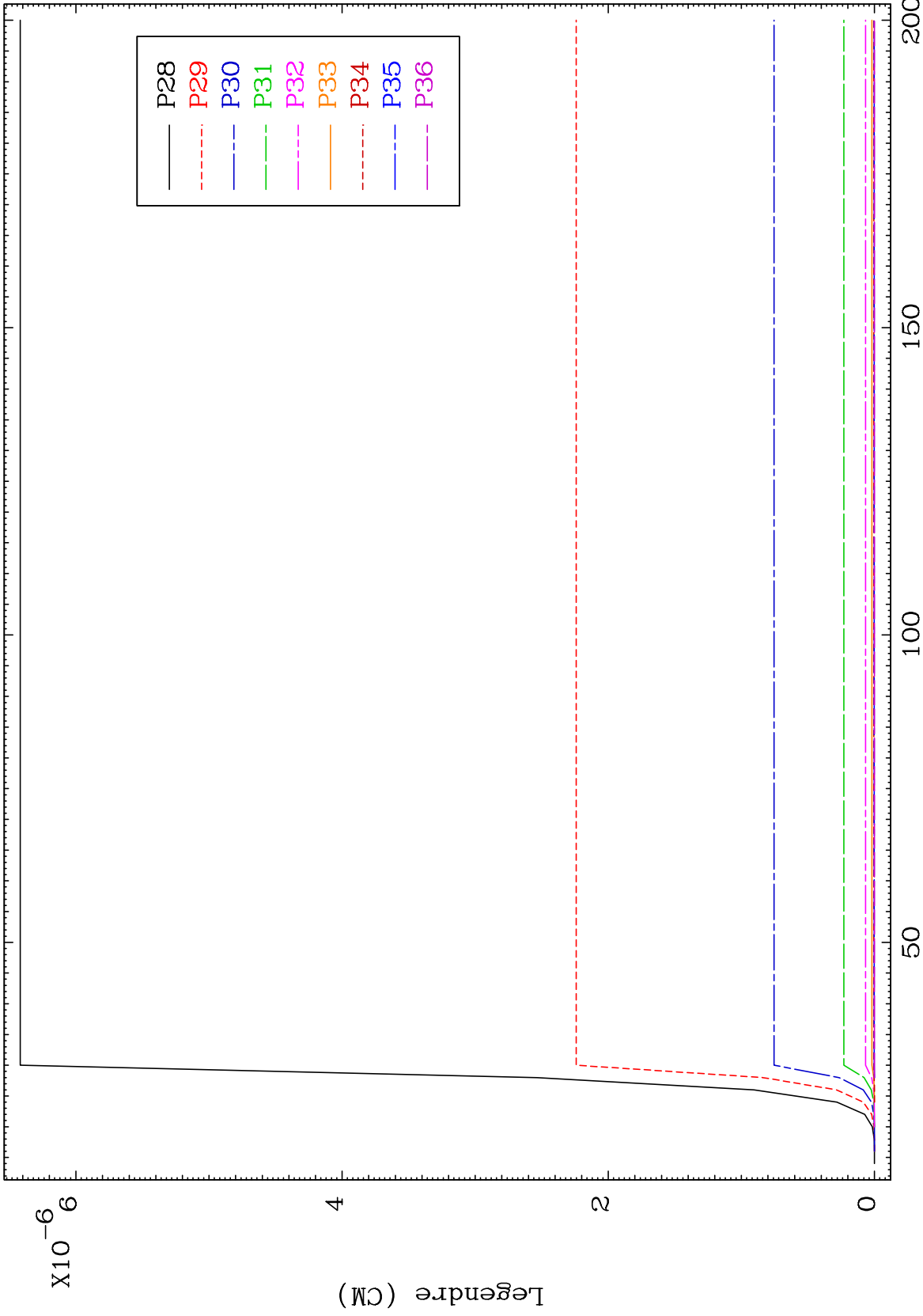
Incident Energy (MeV)

57-La-134

MAT 5713

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

57-La-134



27

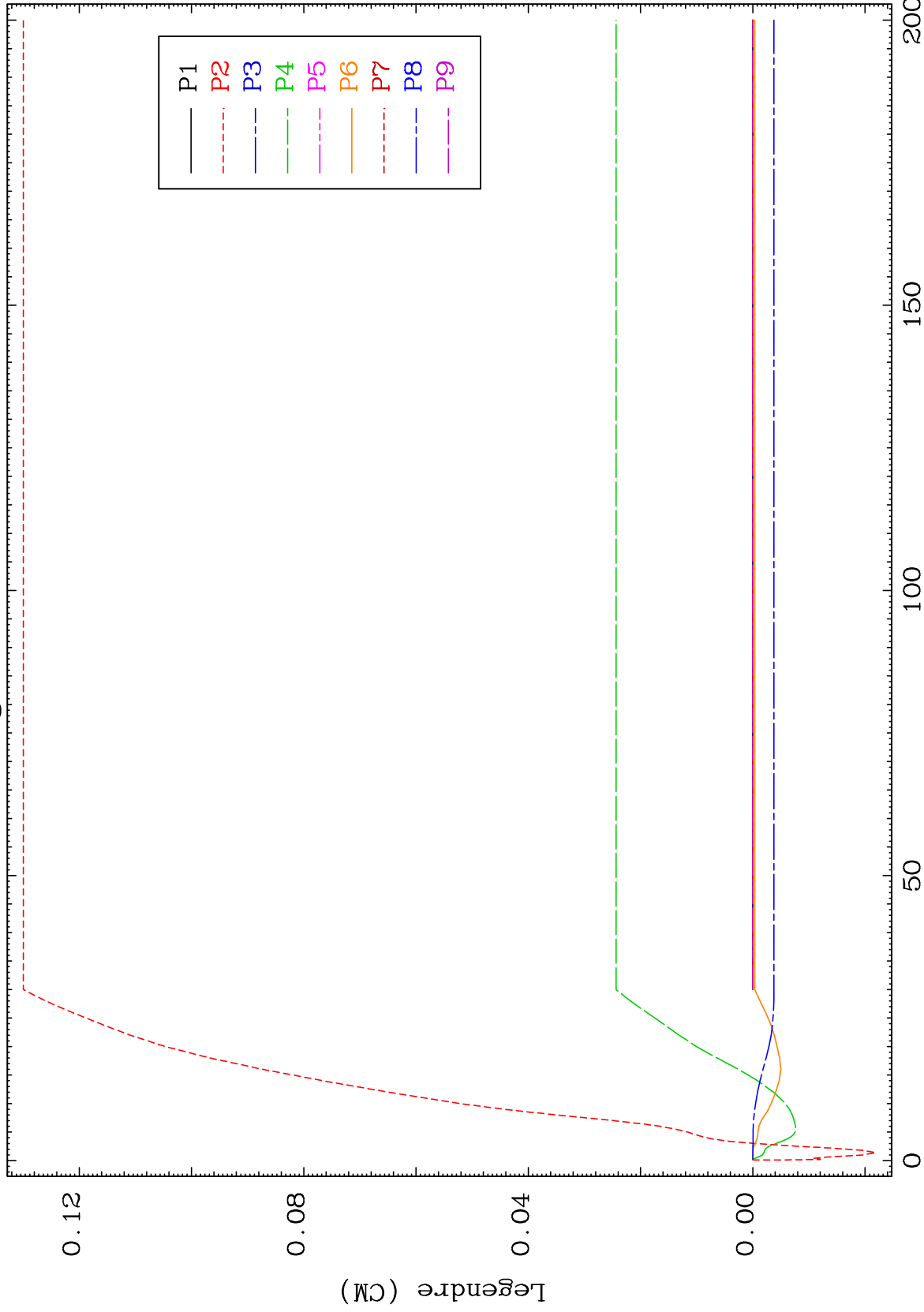
Incident Energy (MeV)

57-La-134

MAT 5713

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

57-La-134



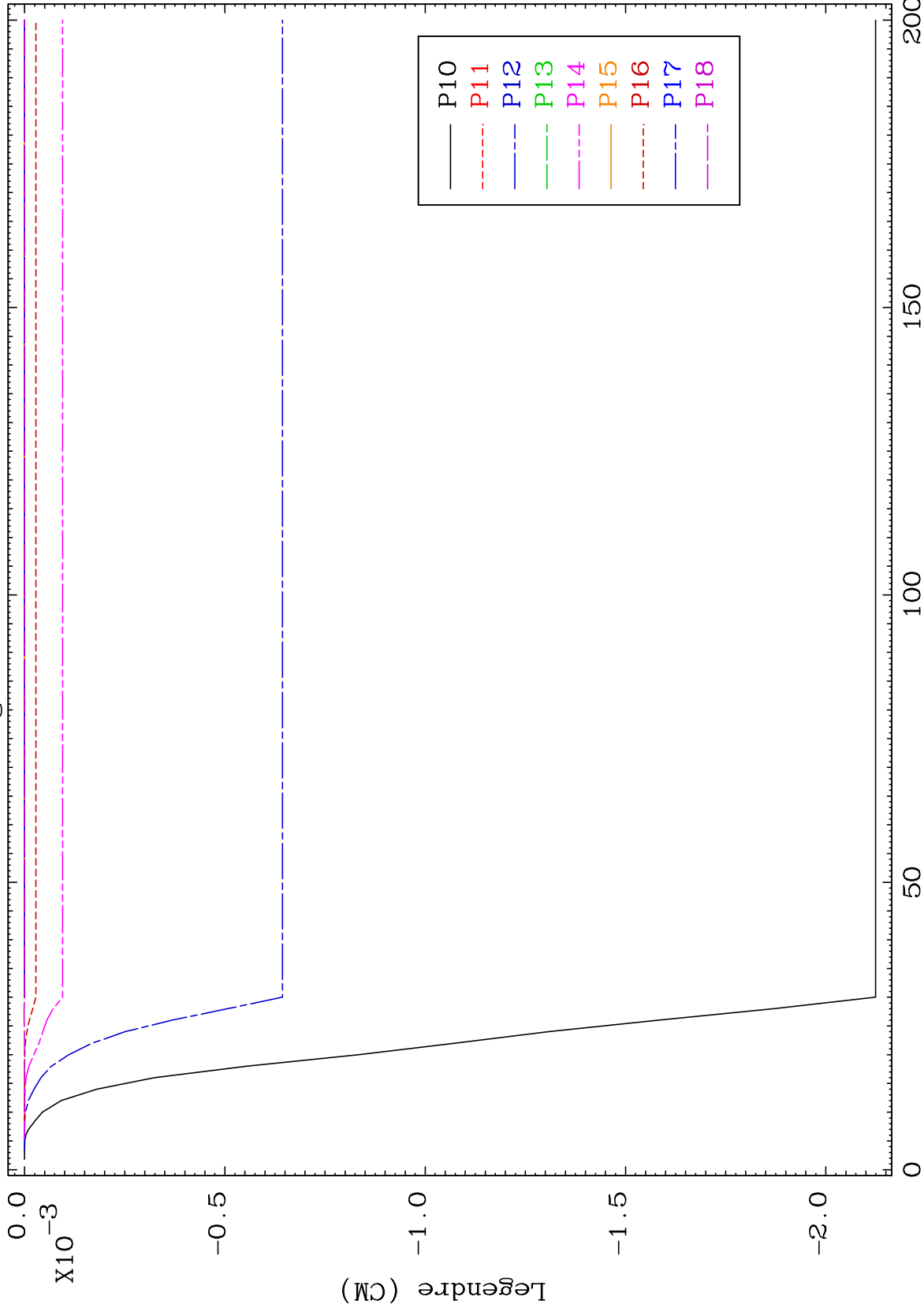
28

57-La-134

MAT 5713

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

57-La-134

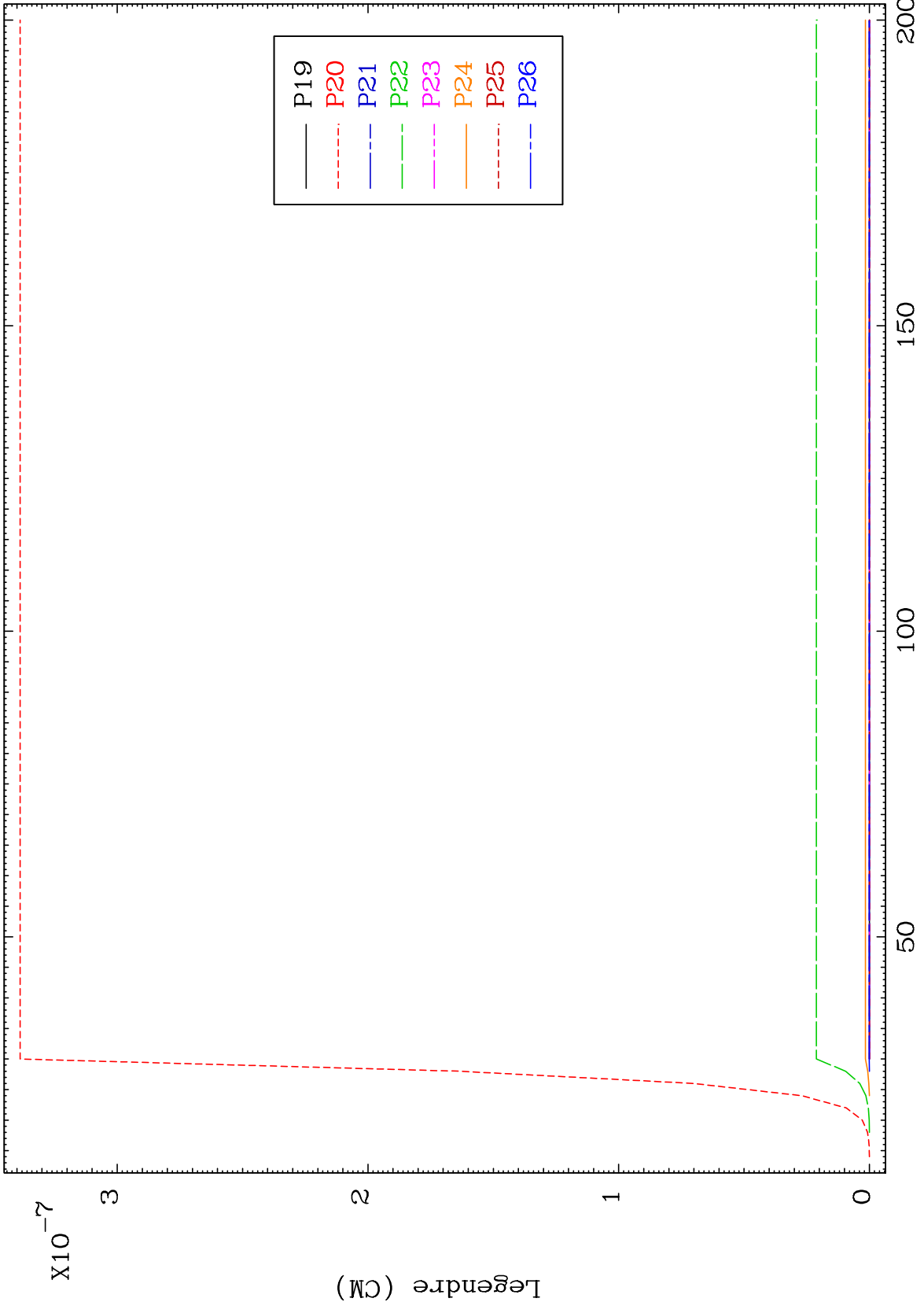


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Incident Energy (MeV)

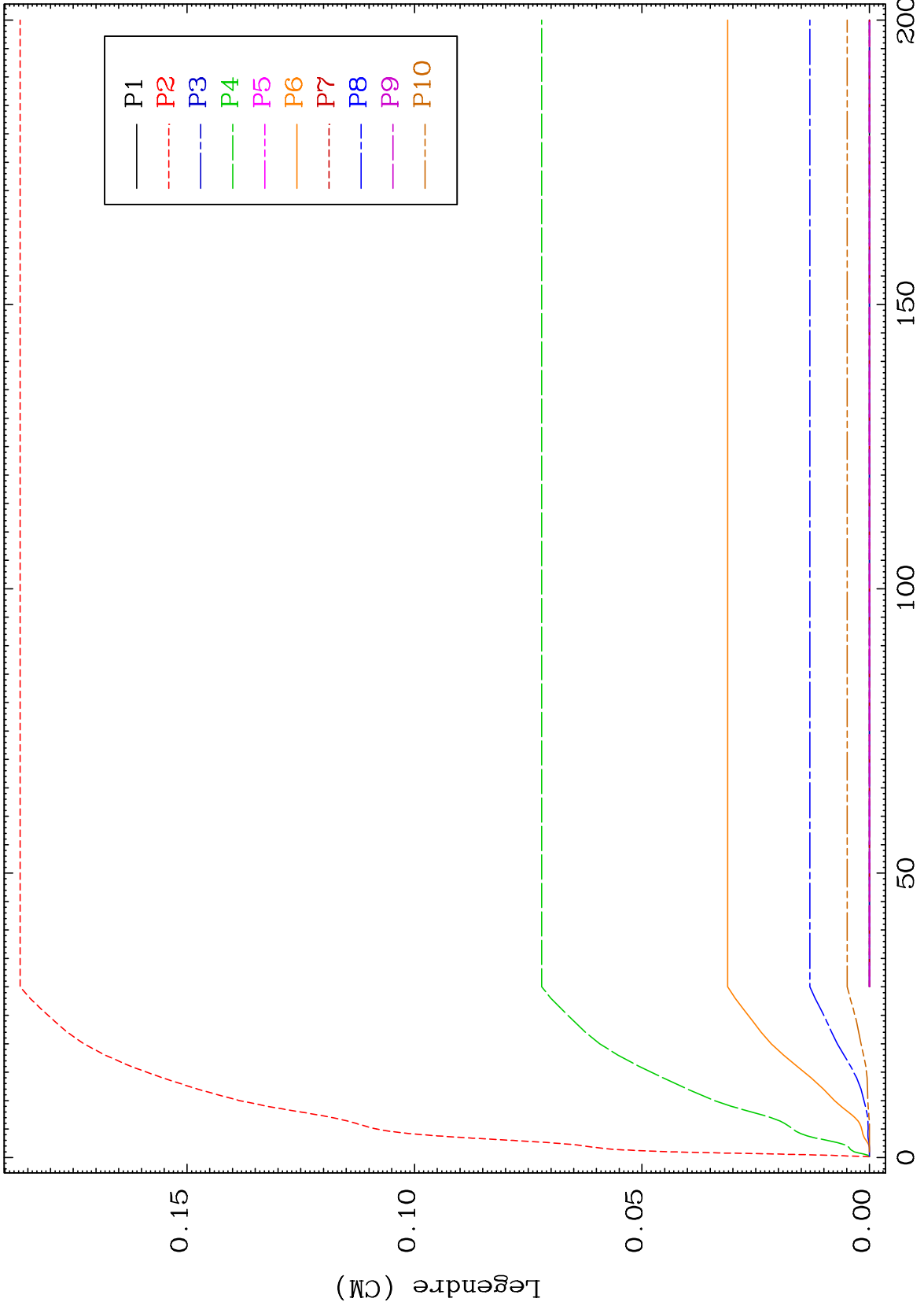
57-La-134

MAT 5713 MT= 53 (n,n') Level Legendre Coefficients 57-La-134



57-La-134

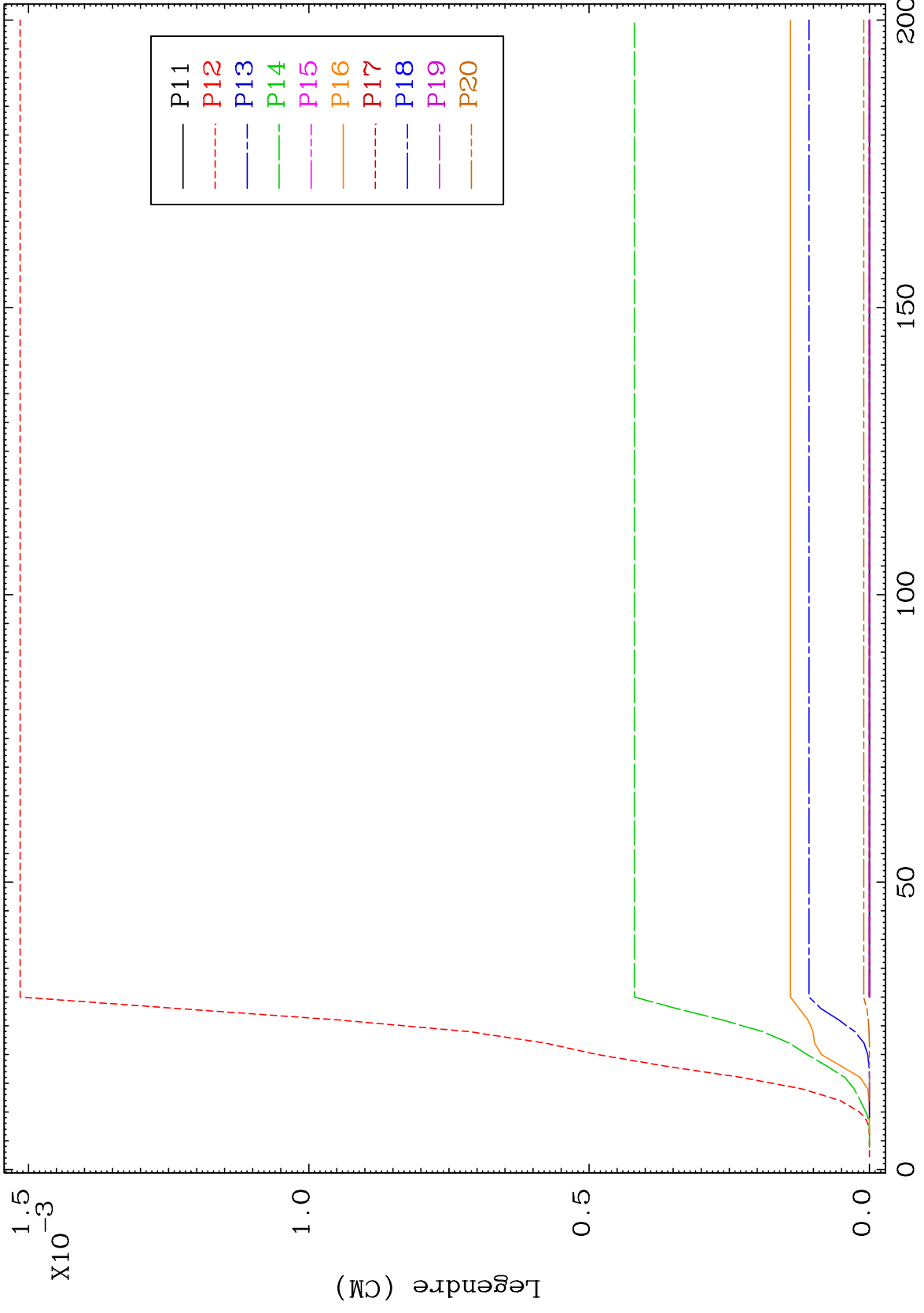
MAT 5713 MT= 54 (n,n') Level Legendre Coefficients 57-La-134



31 57-La-134



MAT 5713 MT= 54 (n,n') Level Legendre Coefficients 57-La-134

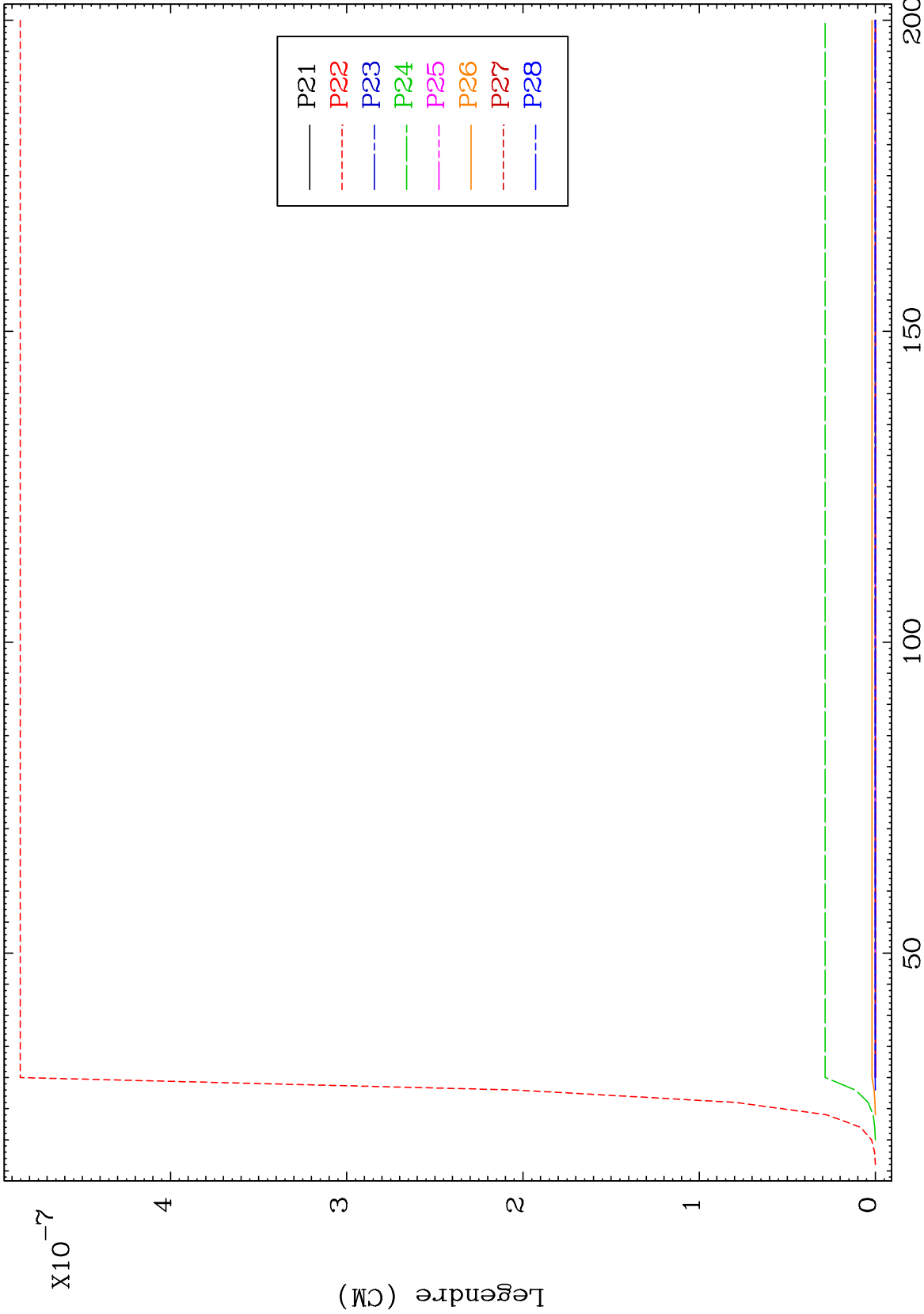


32 57-La-134

MAT 5713

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

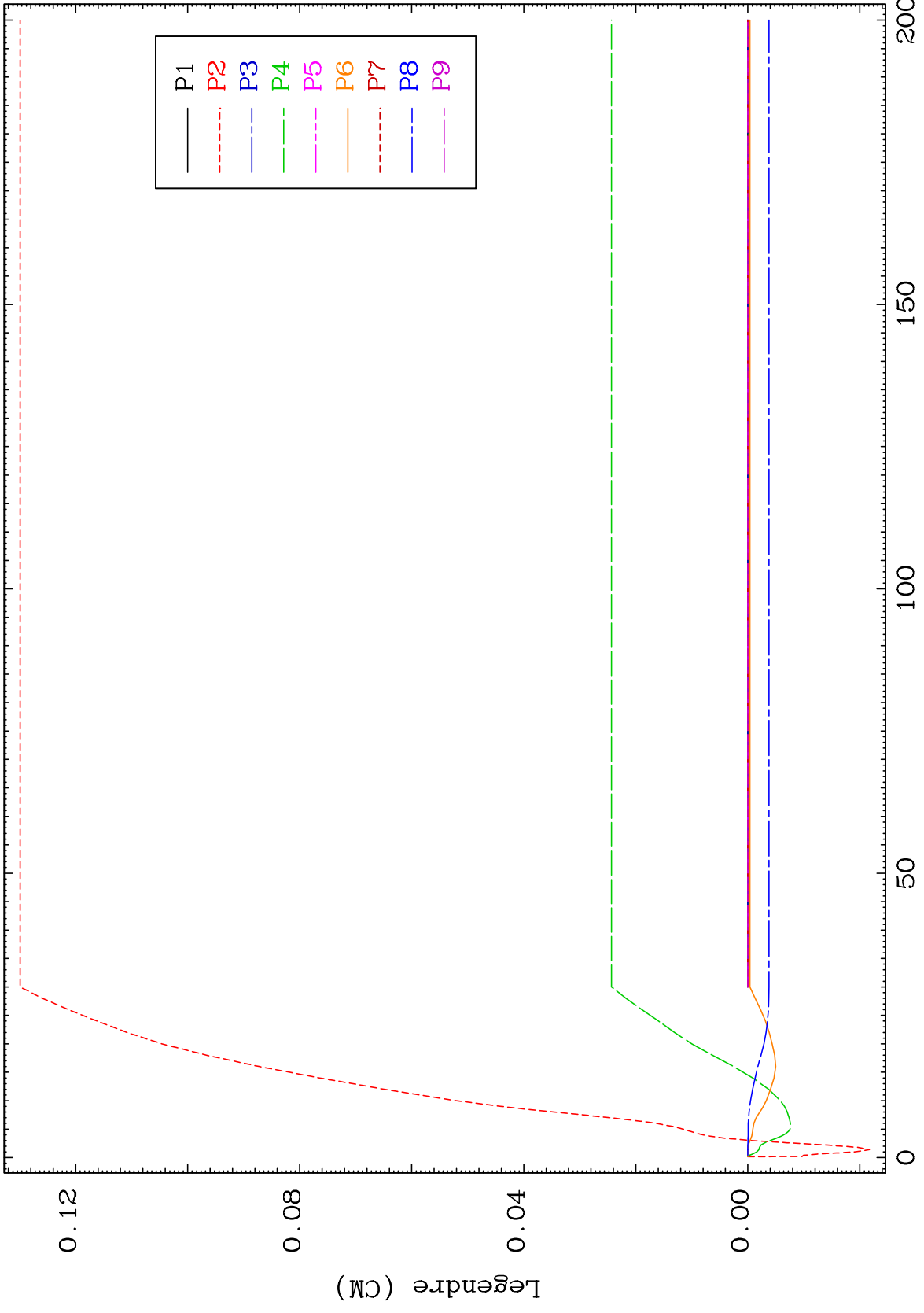
57-La-134



33

57-La-134

MAT 5713 MT= 55 (n,n') Level Legendre Coefficients 57-La-134

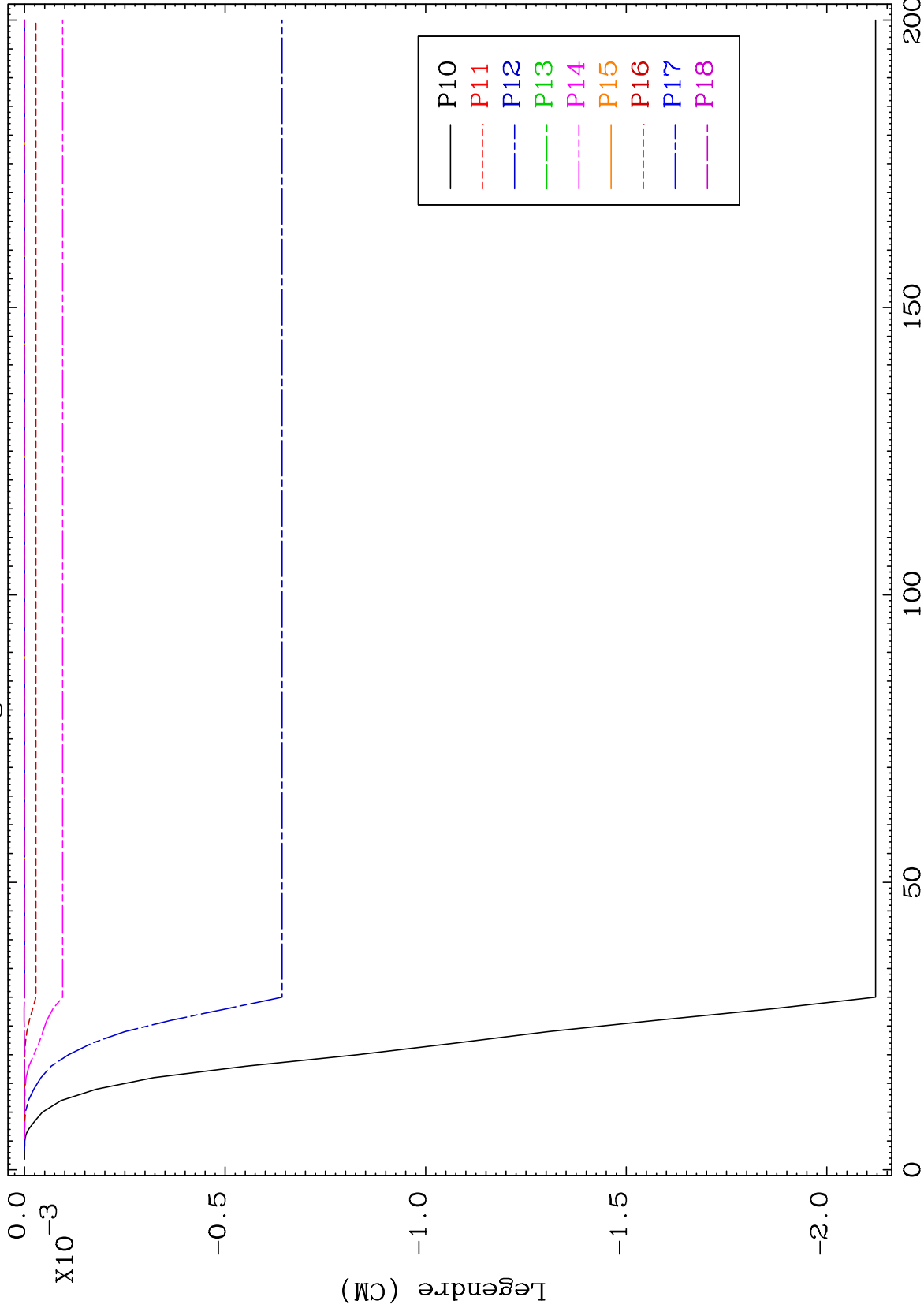


34 57-La-134

MAT 5713

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

57-La-134



35

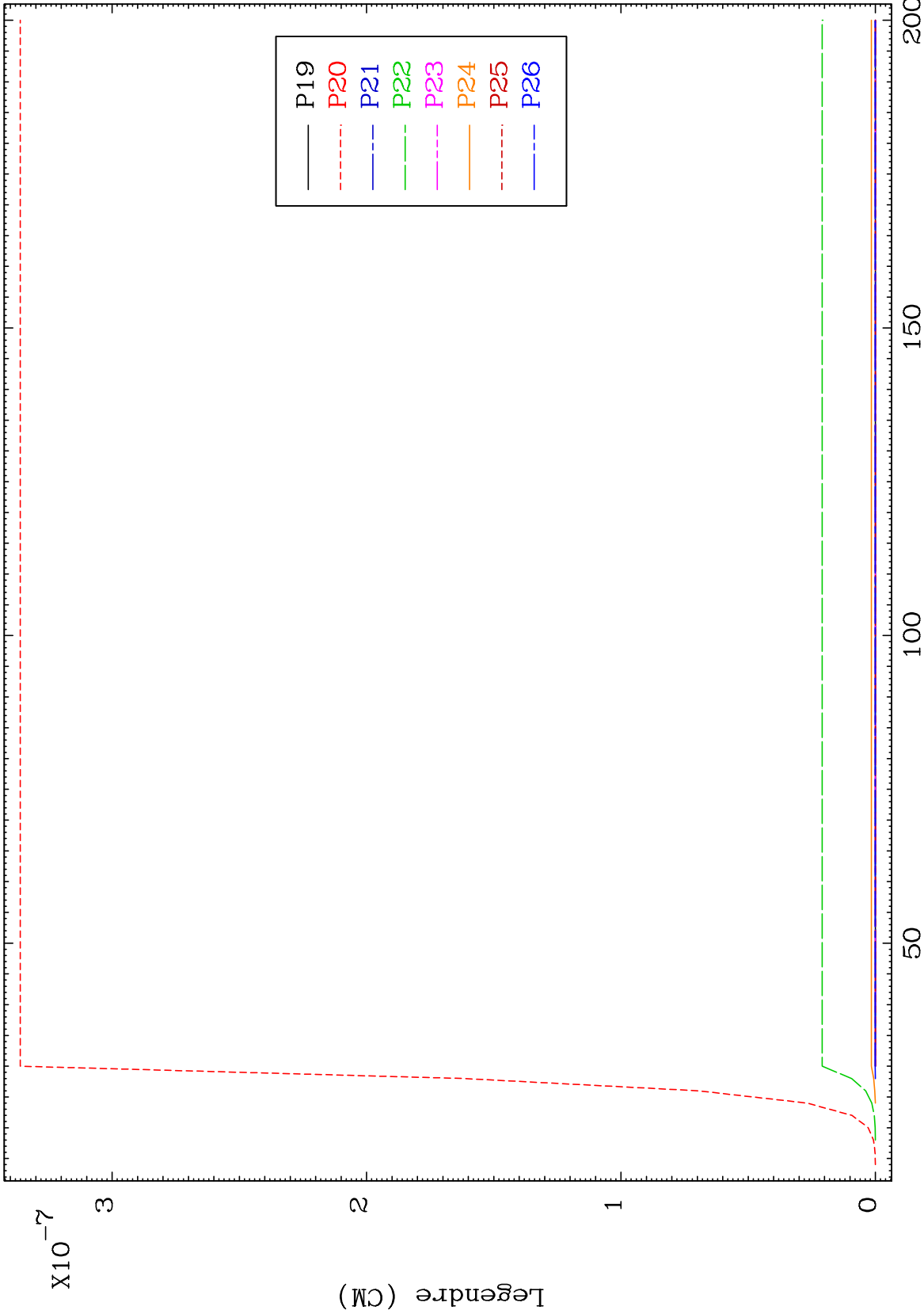
Incident Energy (MeV)

57-La-134

MAT 5713

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

57-La-134

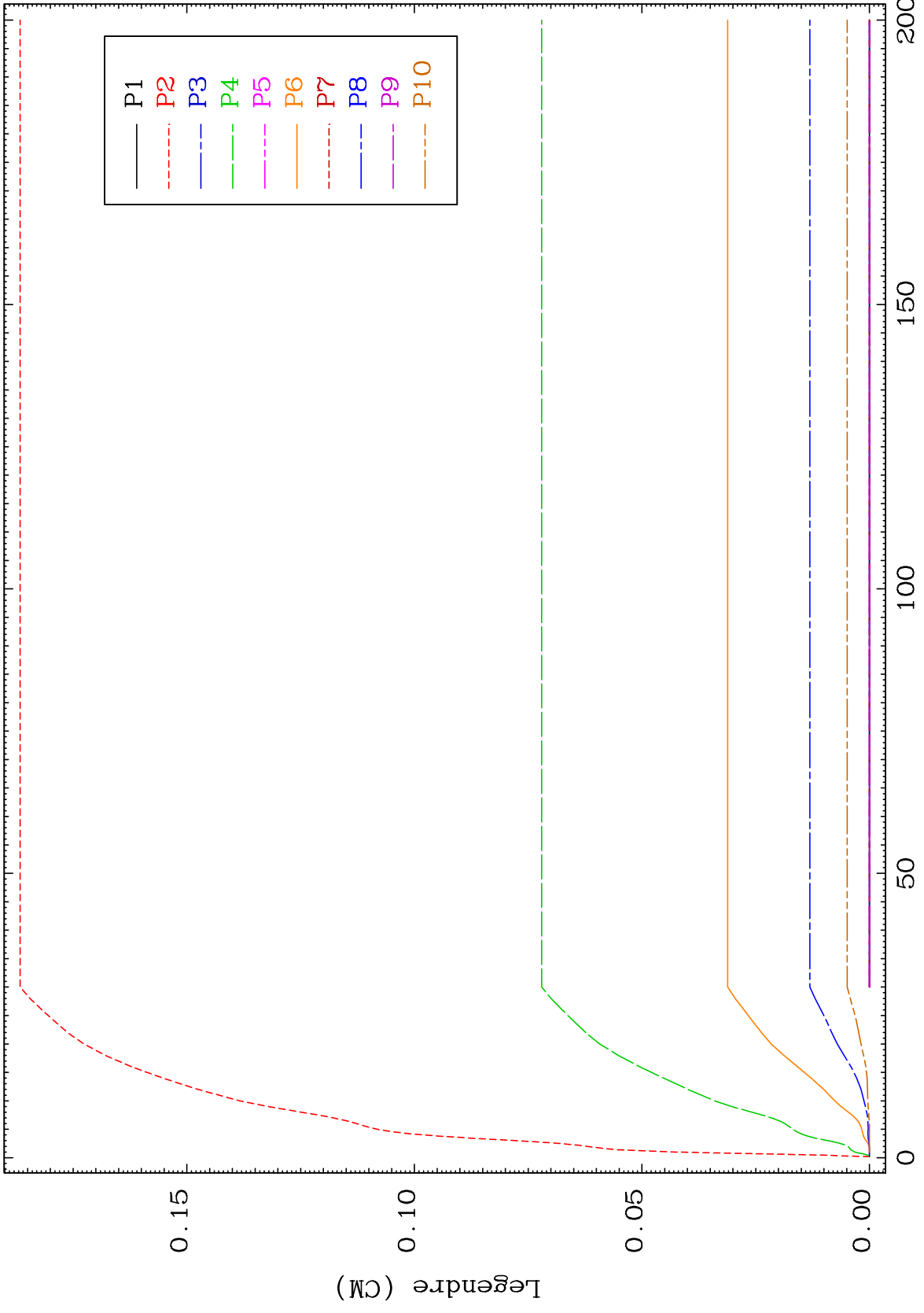


36

Incident Energy (MeV)

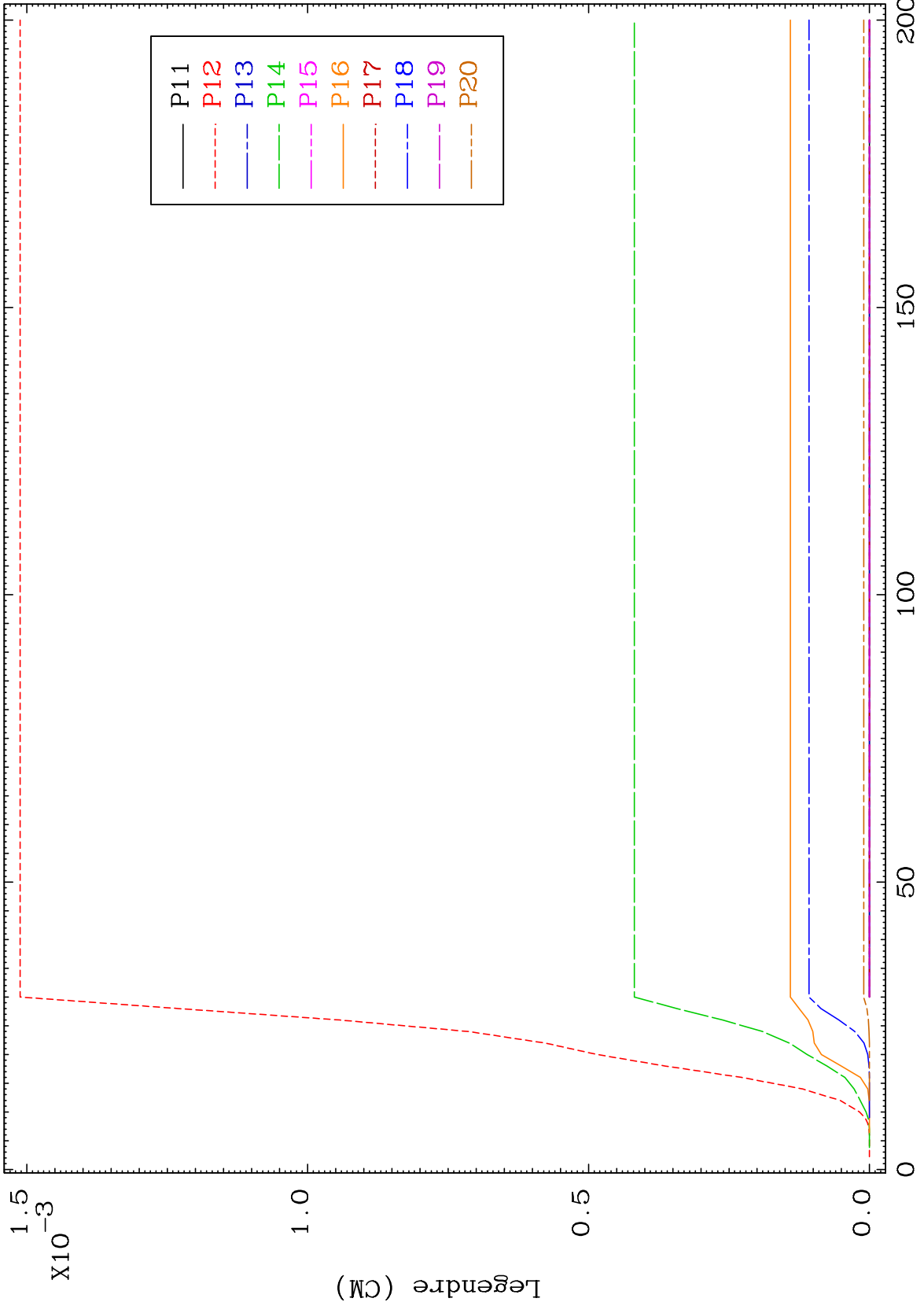
57-La-134

MAT 5713 MT= 56 (n,n') Level Legendre Coefficients 57-La-134



37 57-La-134

MAT 5713 MT= 56 (n,n') Level Legendre Coefficients 57-La-134

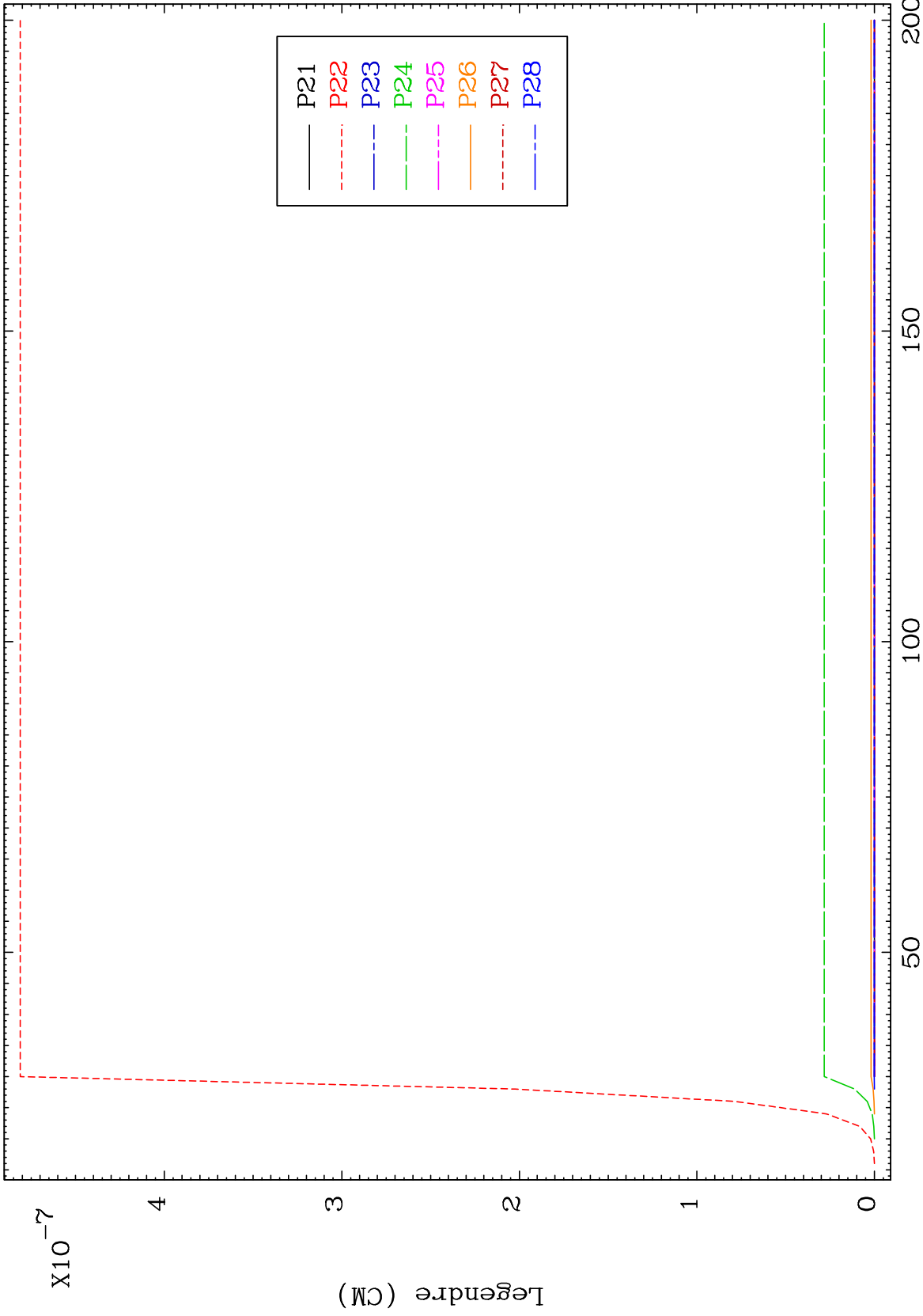


38 Incident Energy (MeV) 57-La-134

MAT 5713

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

57-La-134



39

Incident Energy (MeV)

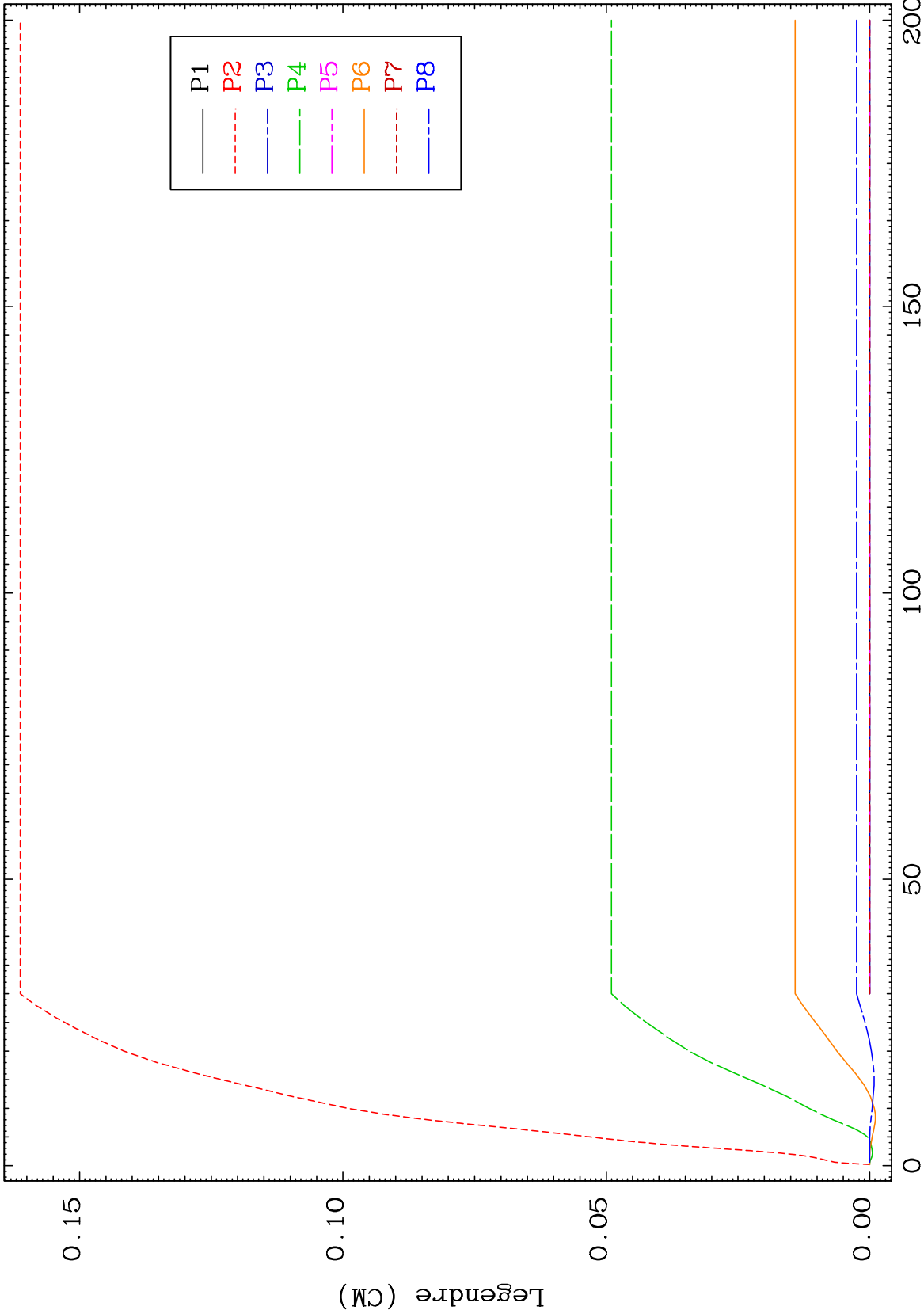
57-La-134



MAT 5713

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

57-La-134



57-La-134

Incident Energy (MeV)

40

200

150

100

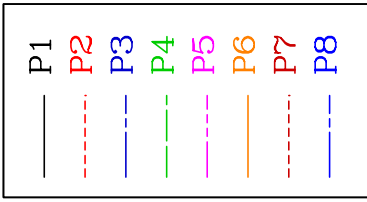
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0.15

0.10

0.05

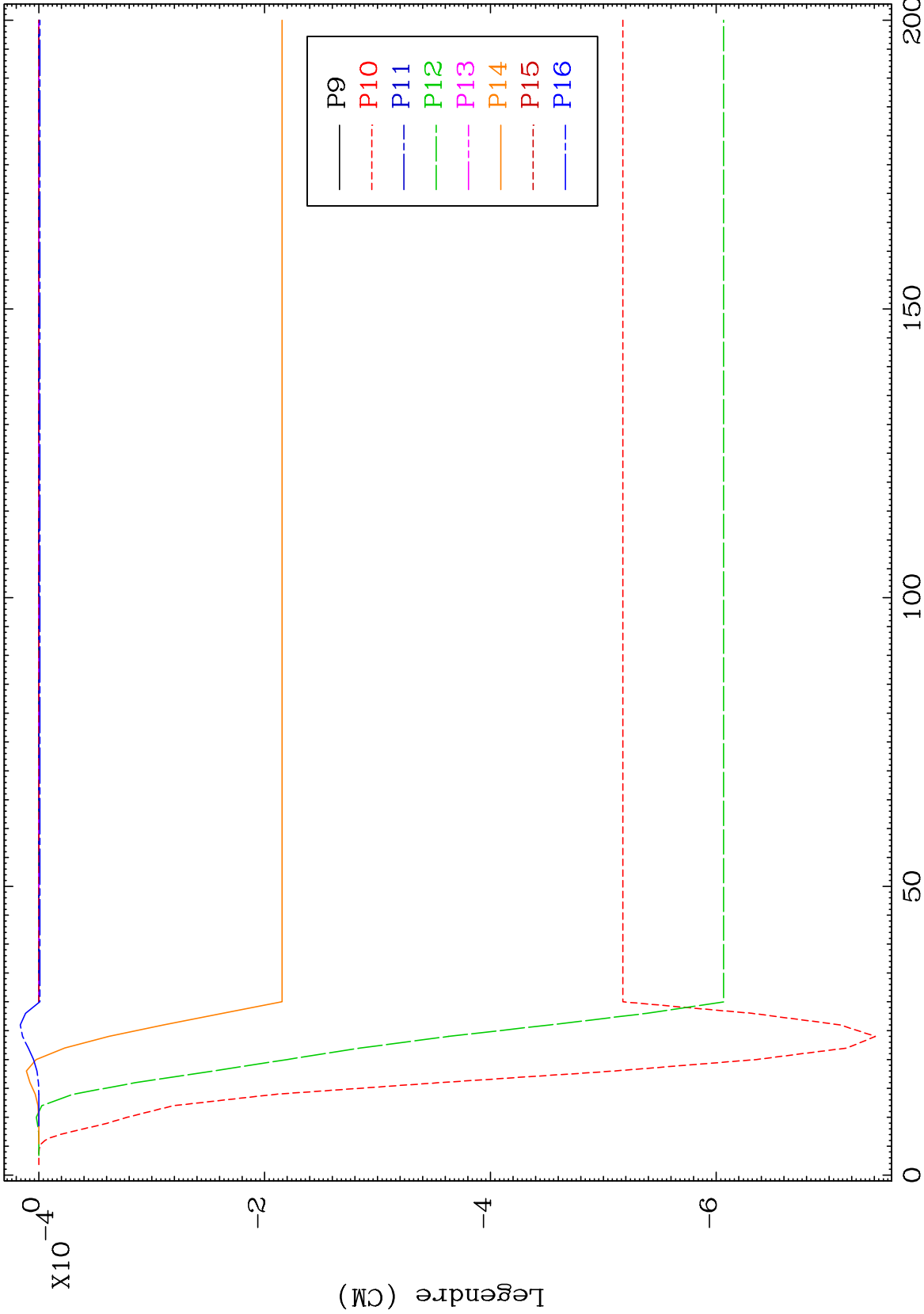
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MAT 5713

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

57-La-134



41

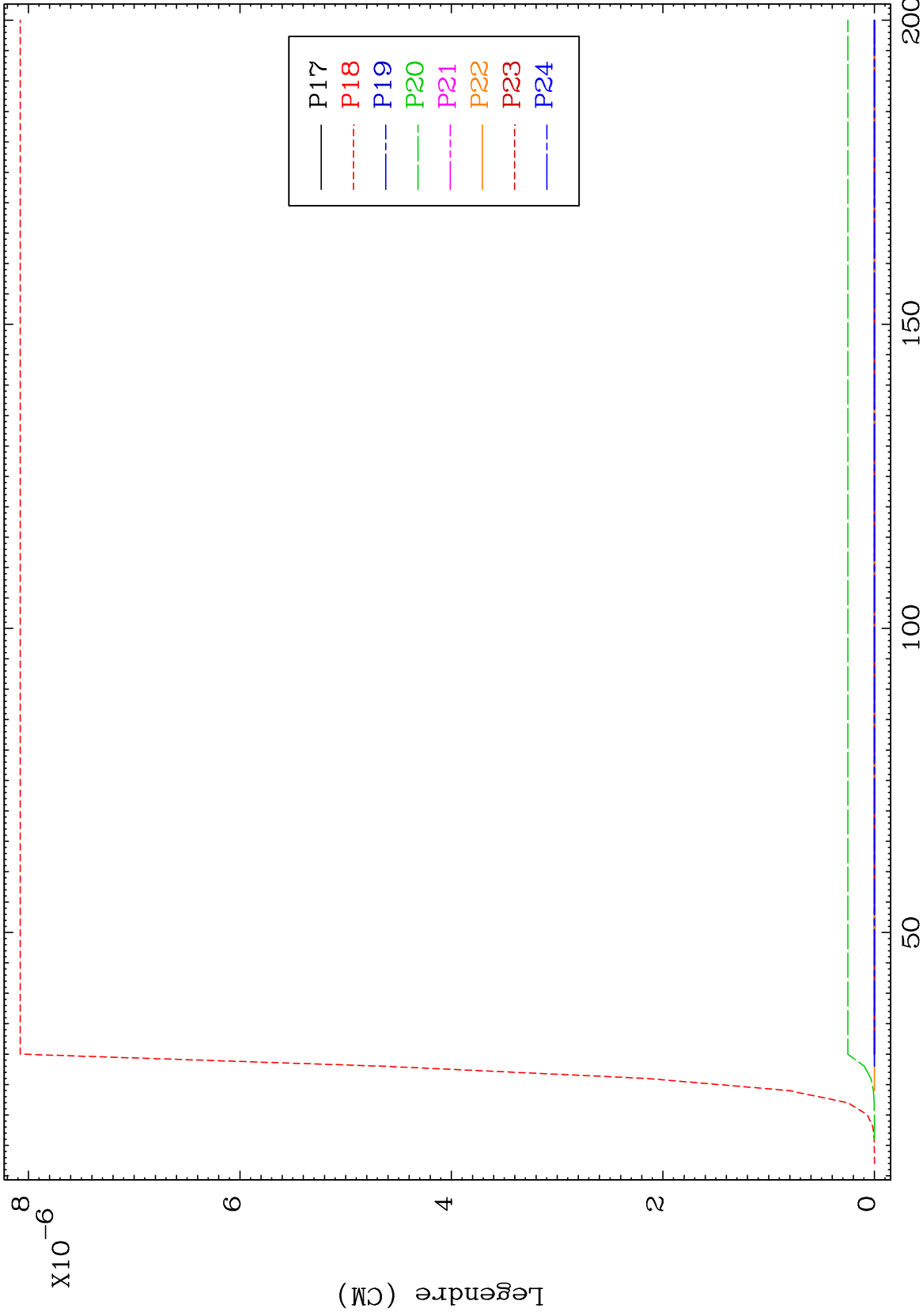
Incident Energy (MeV)

57-La-134

MAT 5713

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

57-La-134



42

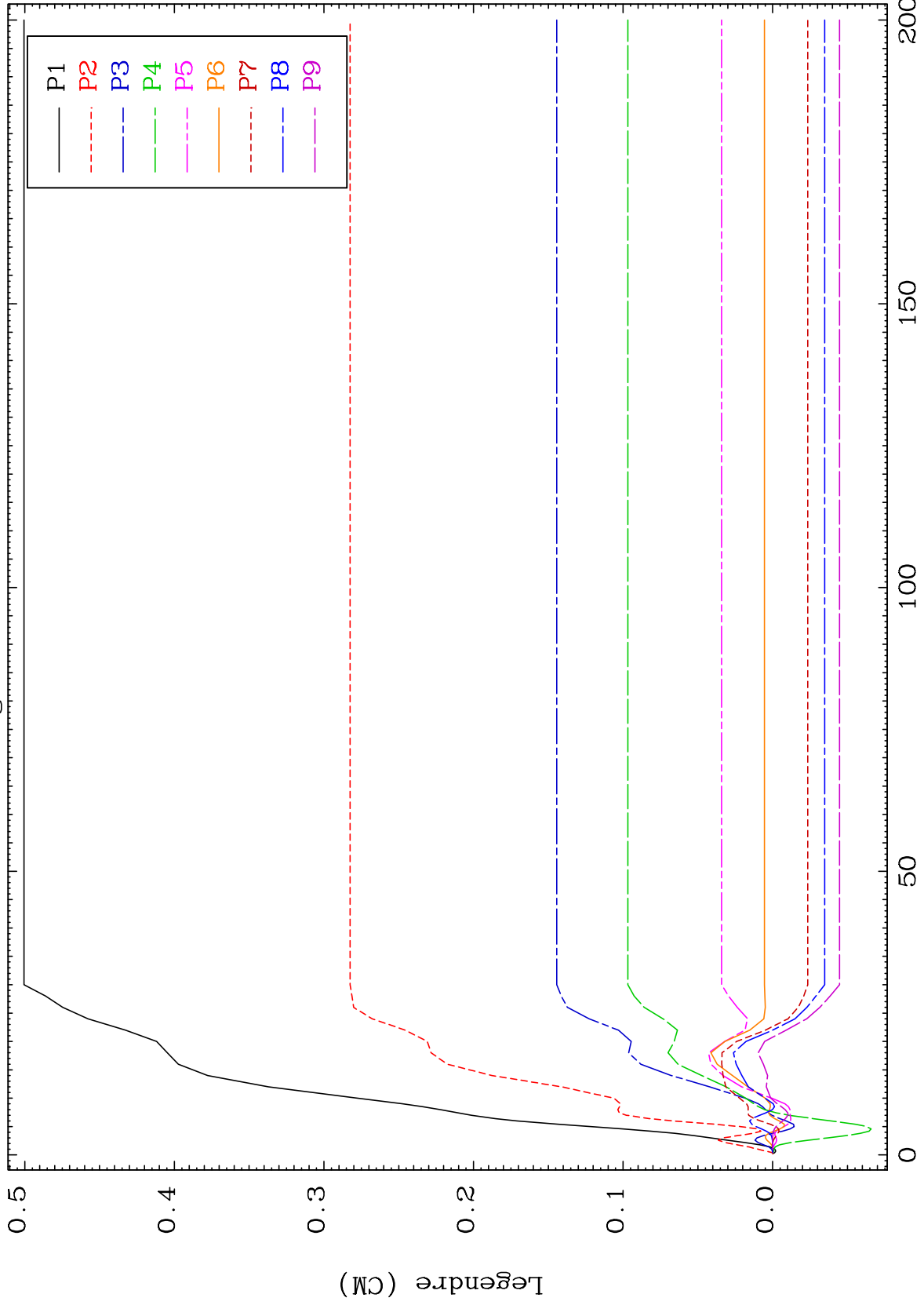
Incident Energy (MeV)

57-La-134

MAT 5713

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

57-La-134



43

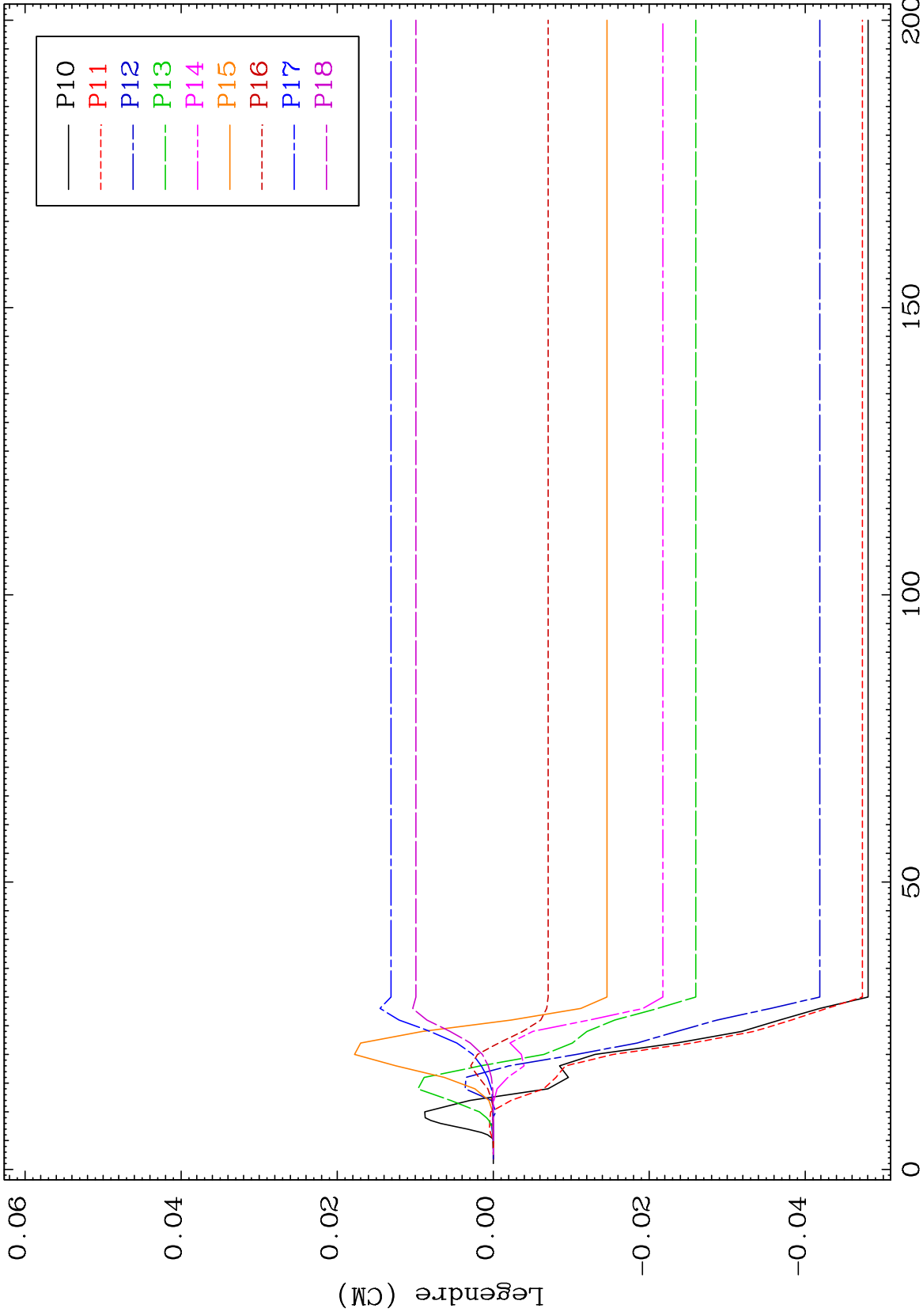
Incident Energy (MeV)

57-La-134

MAT 5713

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

57-La-134



44

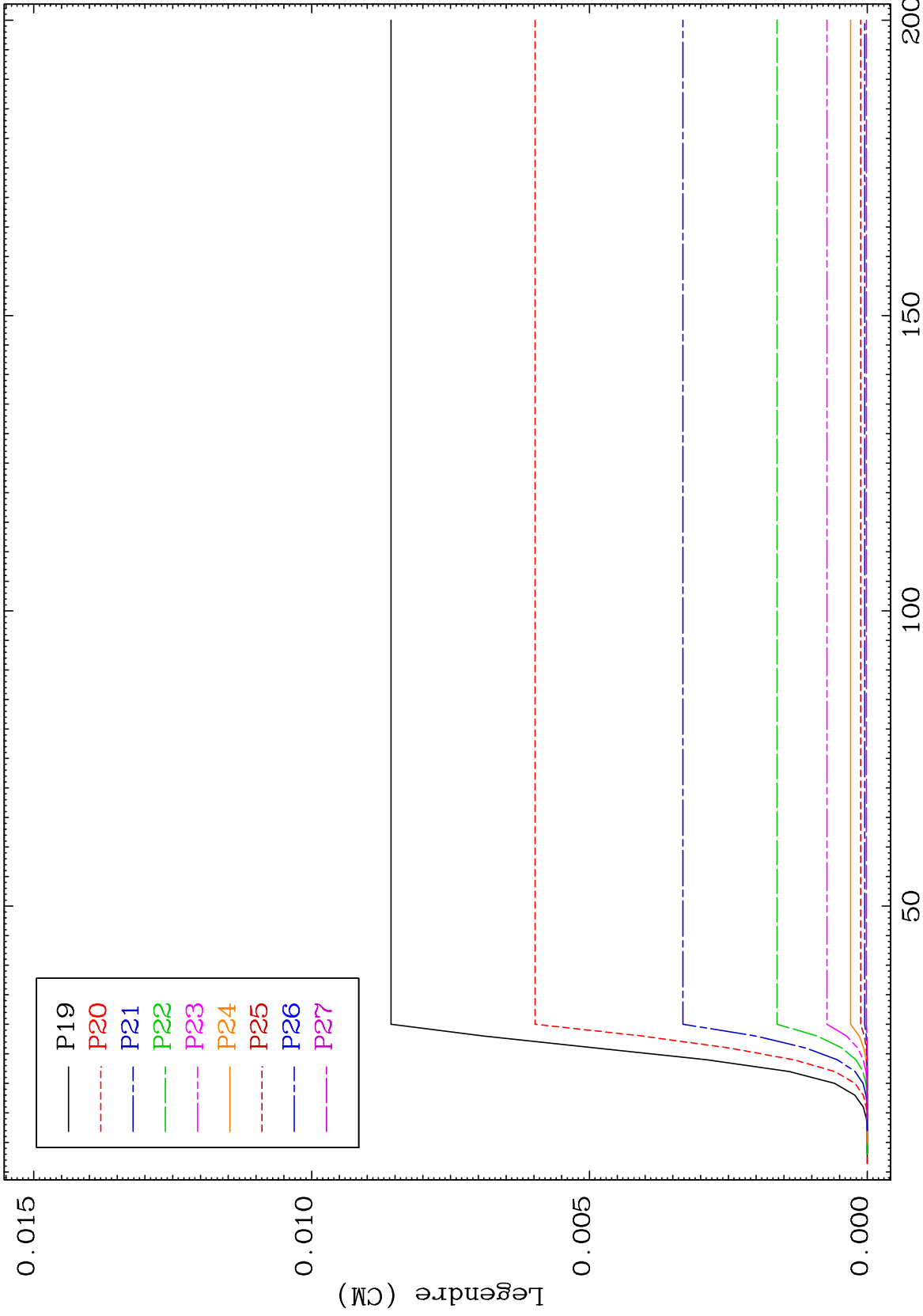
Incident Energy (MeV)

57-La-134

MAT 5713

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

57-La-134



45

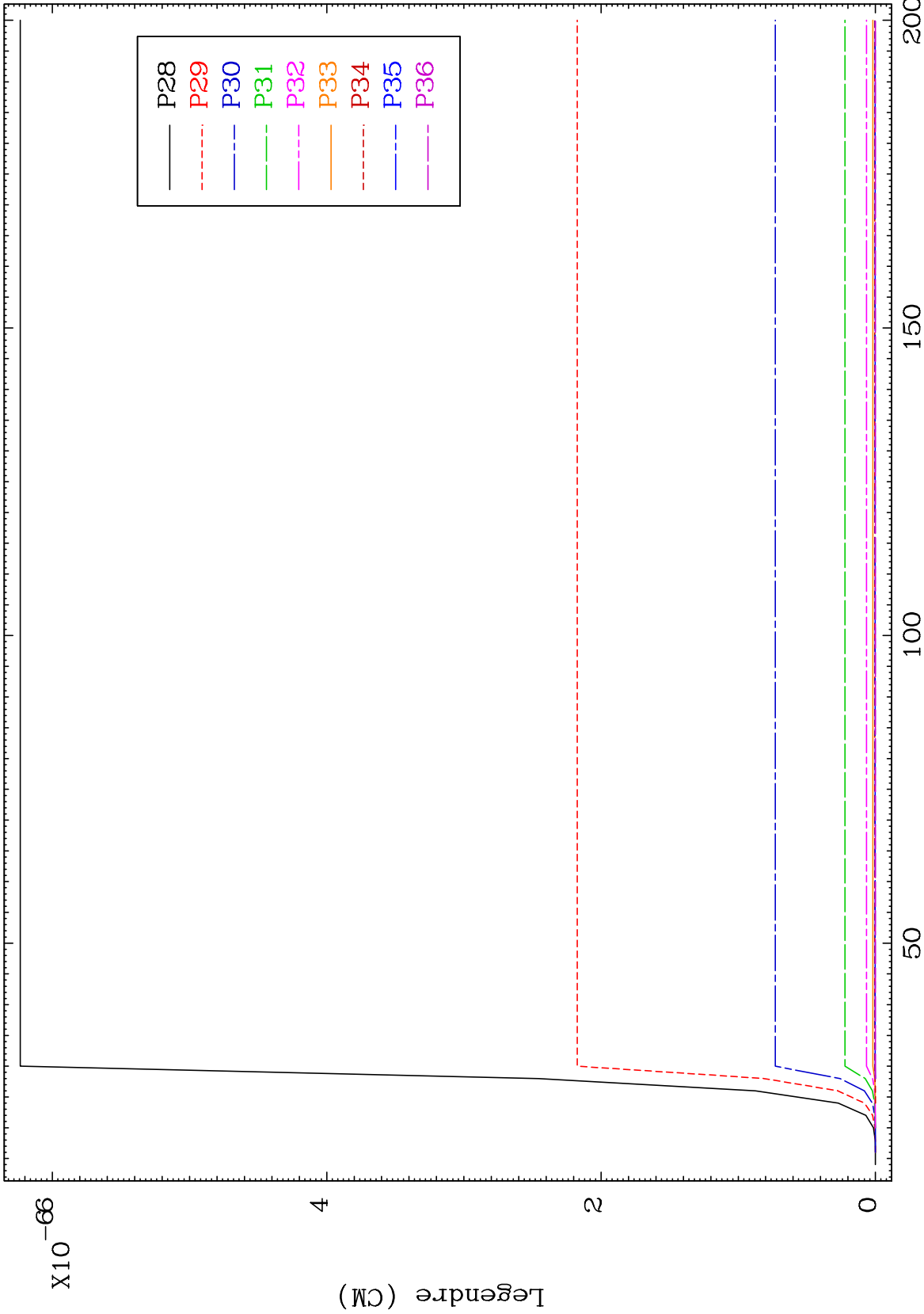
Incident Energy (MeV)

57-La-134

MAT 5713

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

57-La-134



46

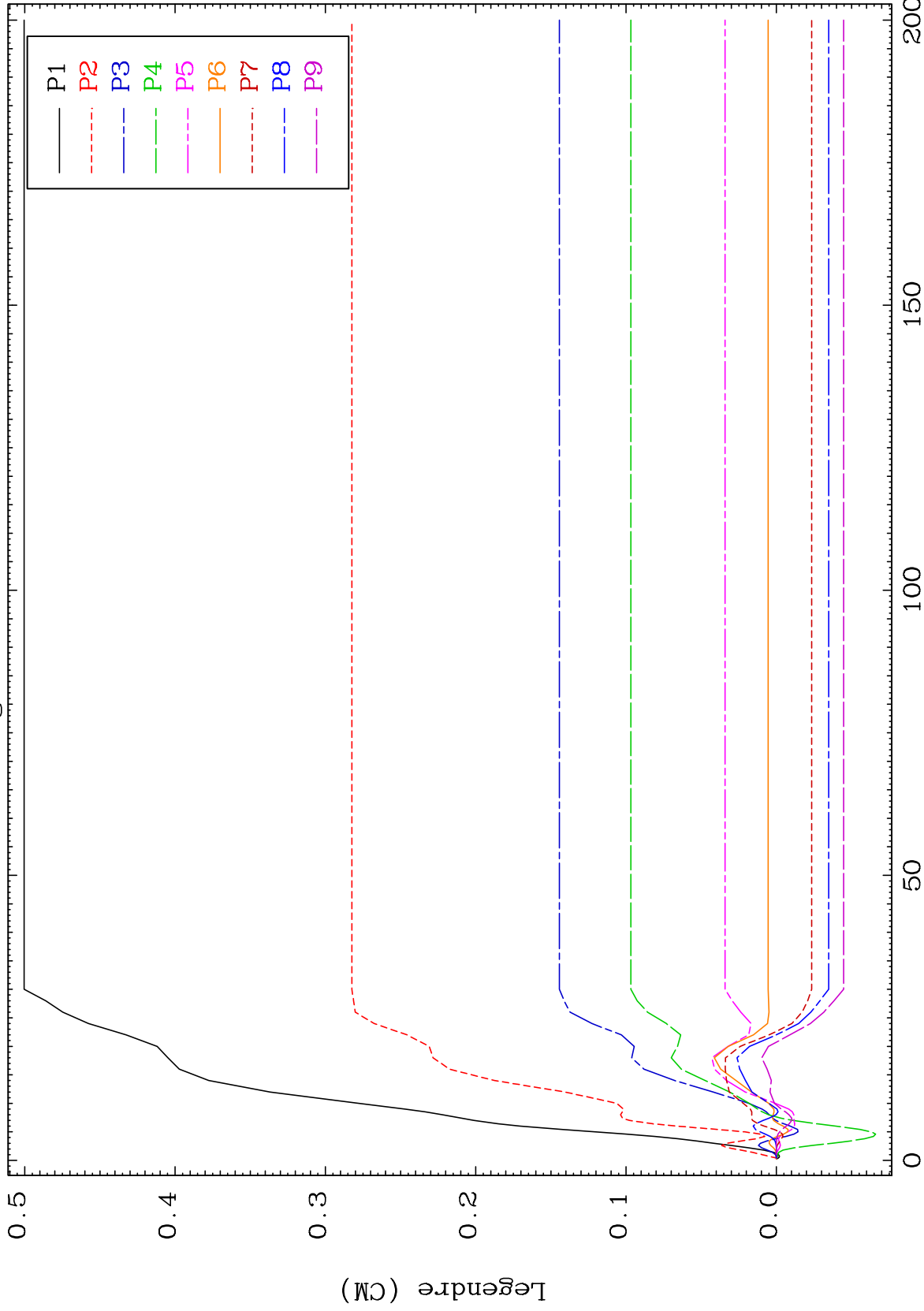
Incident Energy (MeV)

57-La-134

MAT 5713

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

57-La-134



47

Incident Energy (MeV)

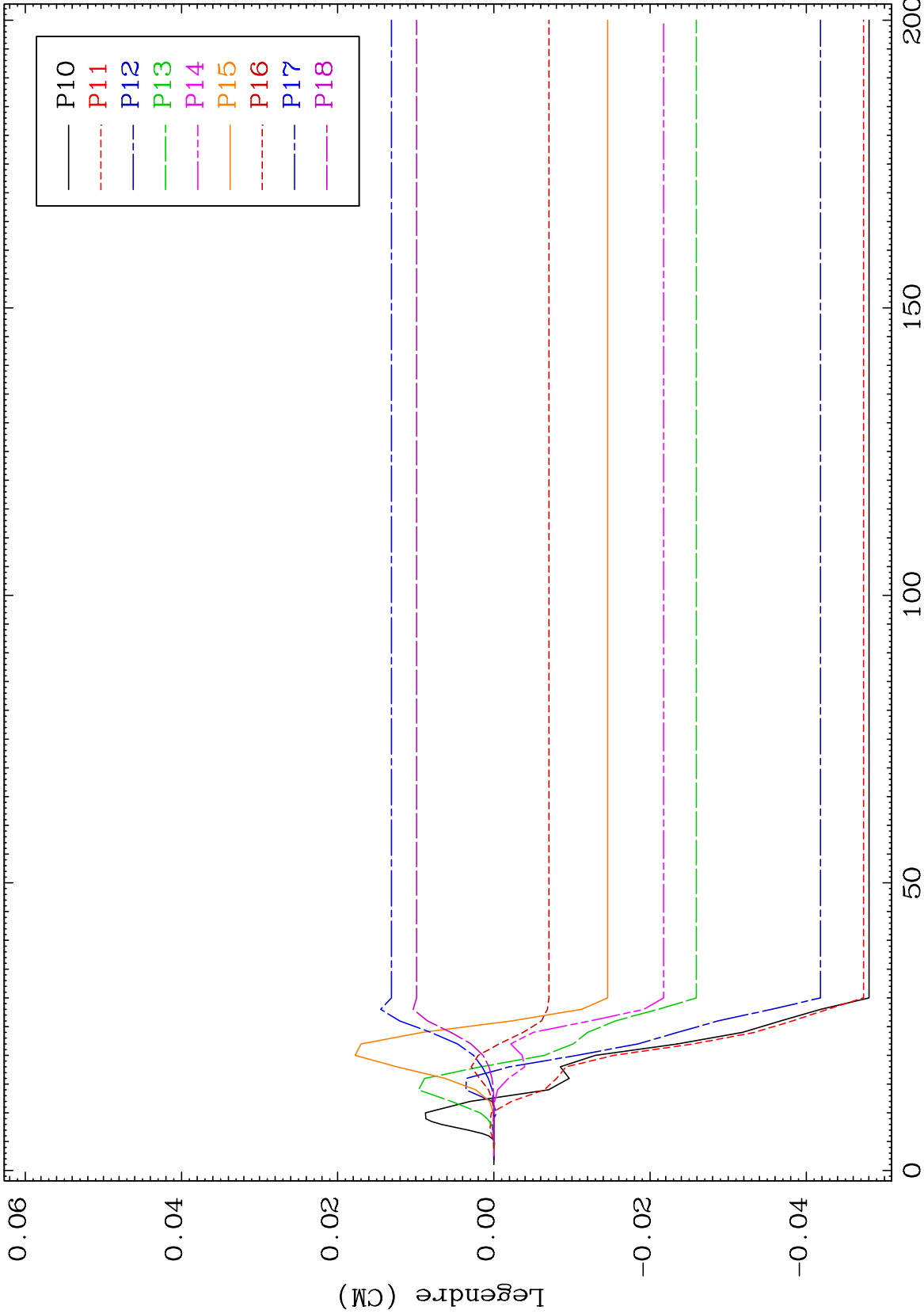
57-La-134



MAT 5713

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

57-La-134



48

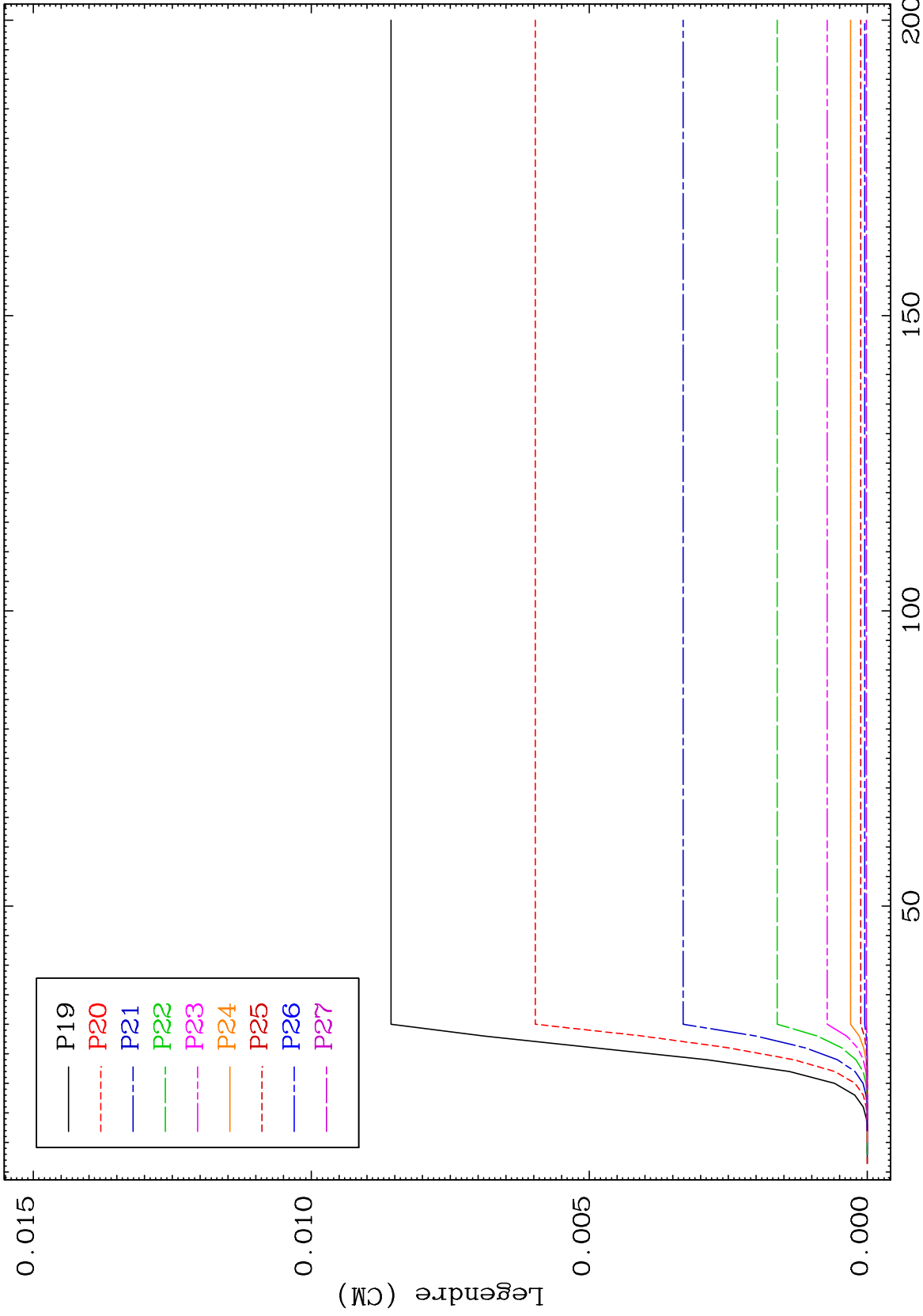
Incident Energy (MeV)

57-La-134

MAT 5713

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

57-La-134



49

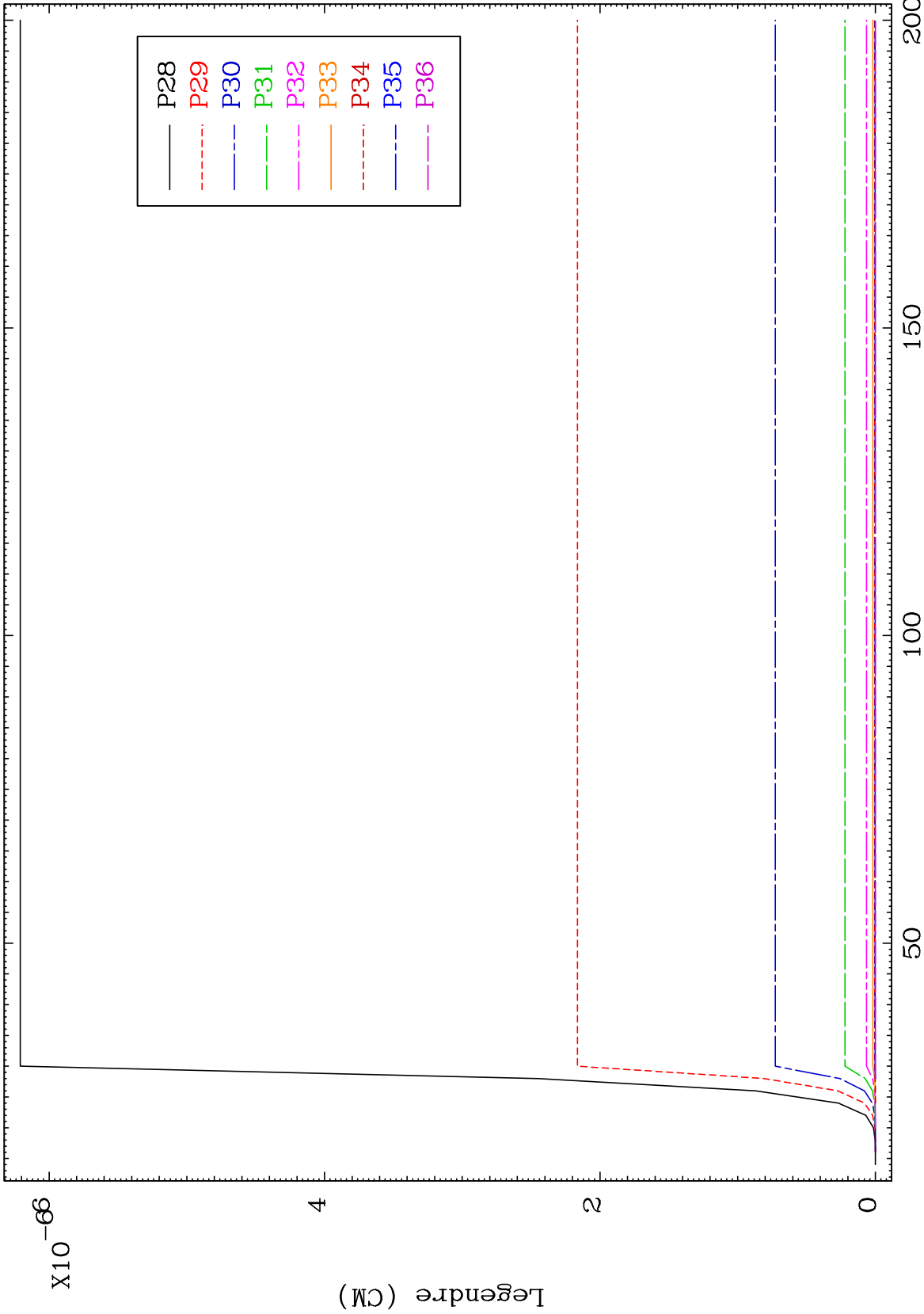
Incident Energy (MeV)

57-La-134

MAT 5713

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

57-La-134



50

50

100

150

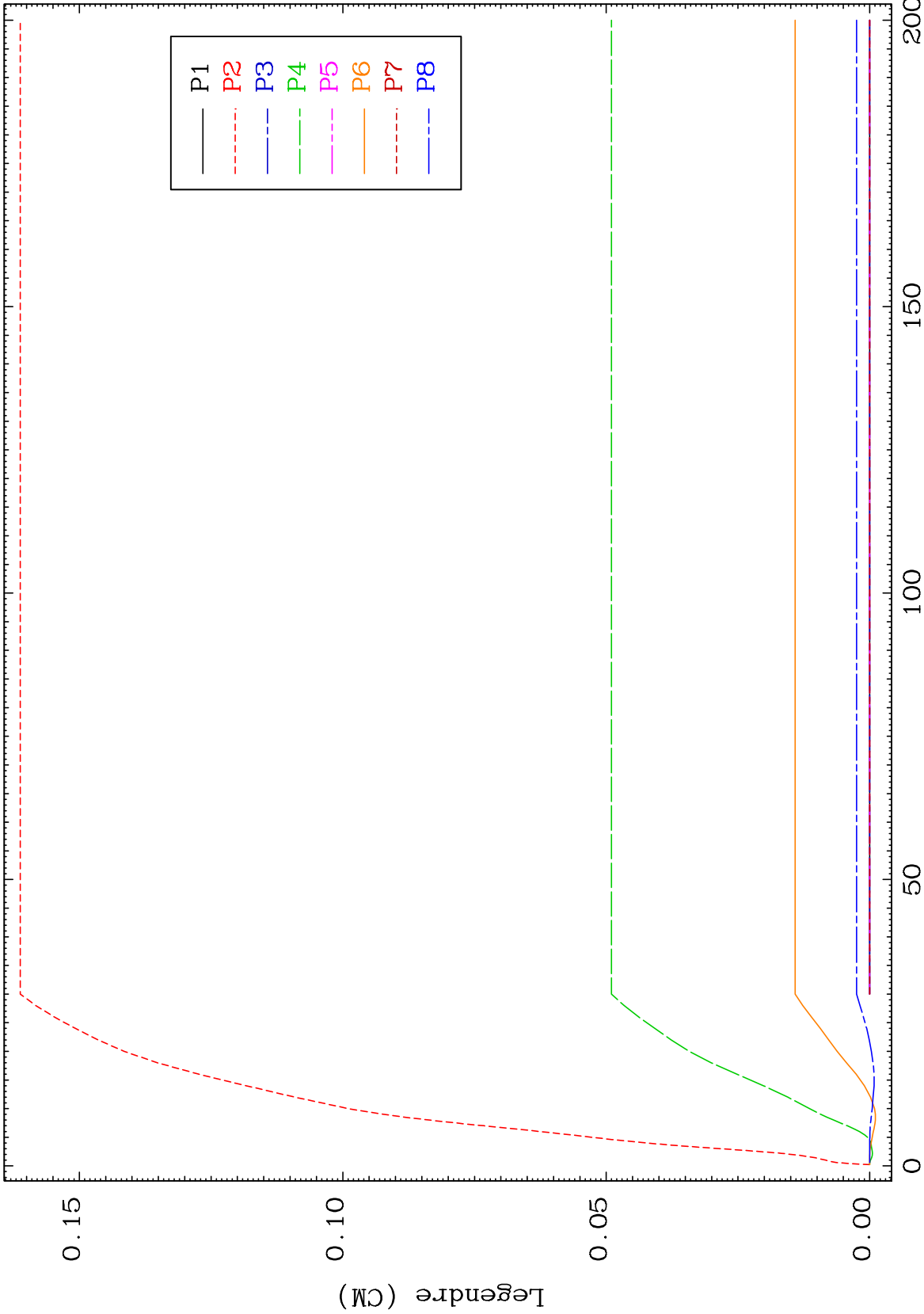
200

57-La-134

MAT 5713

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

57-La-134



51

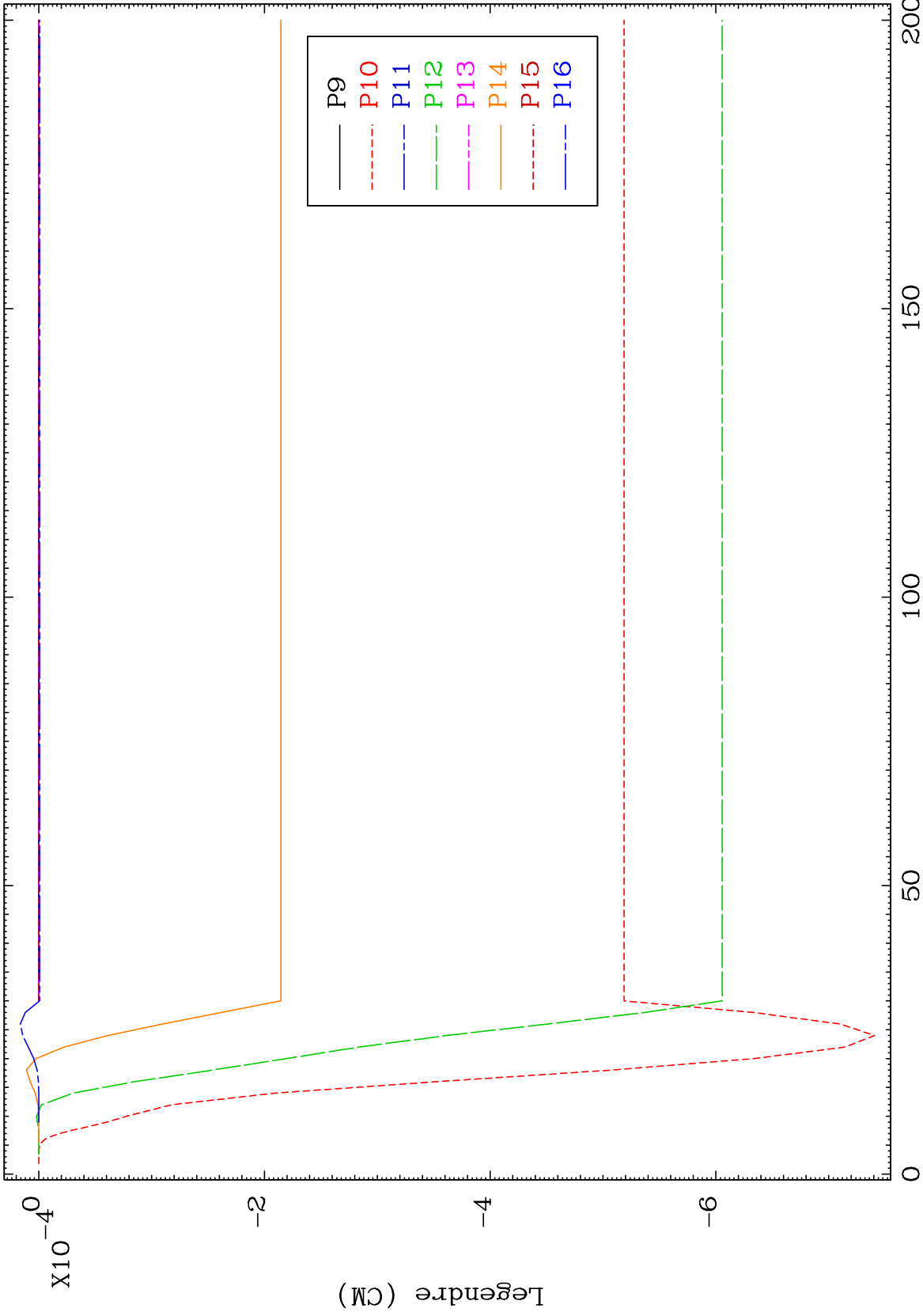
Incident Energy (MeV)

57-La-134

MAT 5713

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

57-La-134



52

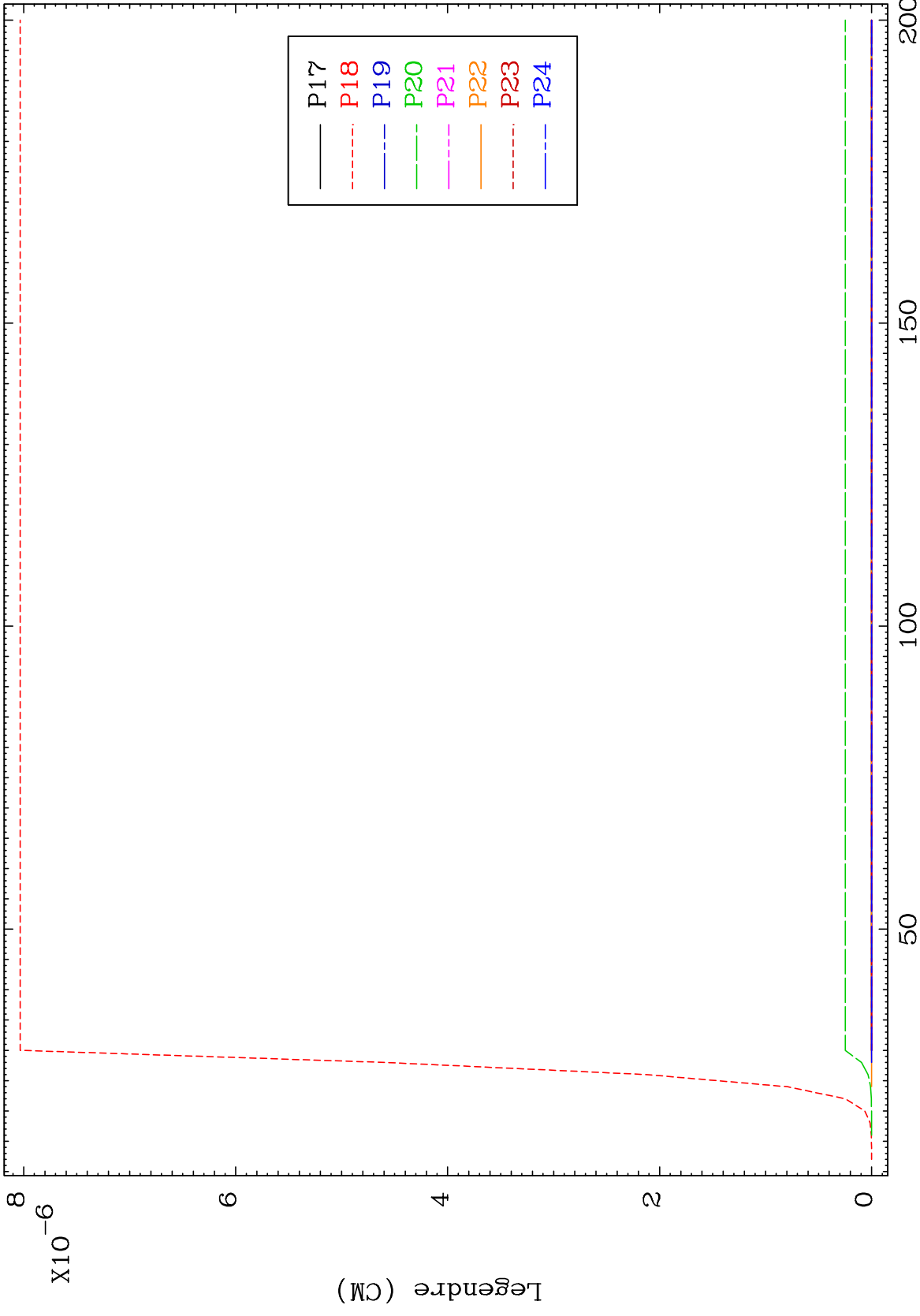
Incident Energy (MeV)

57-La-134

MAT 5713

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

57-La-134

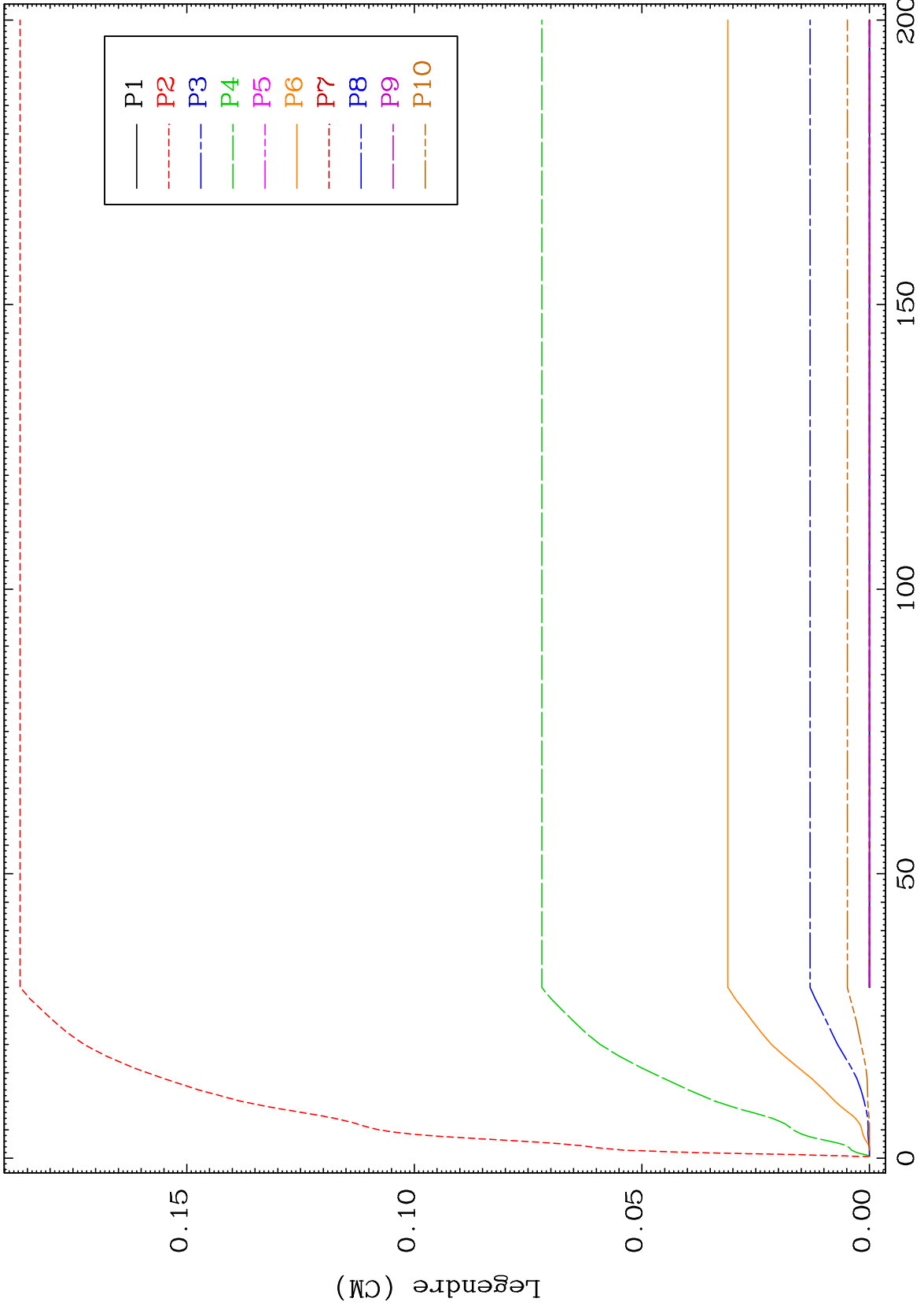


57-La-134

Incident Energy (MeV)

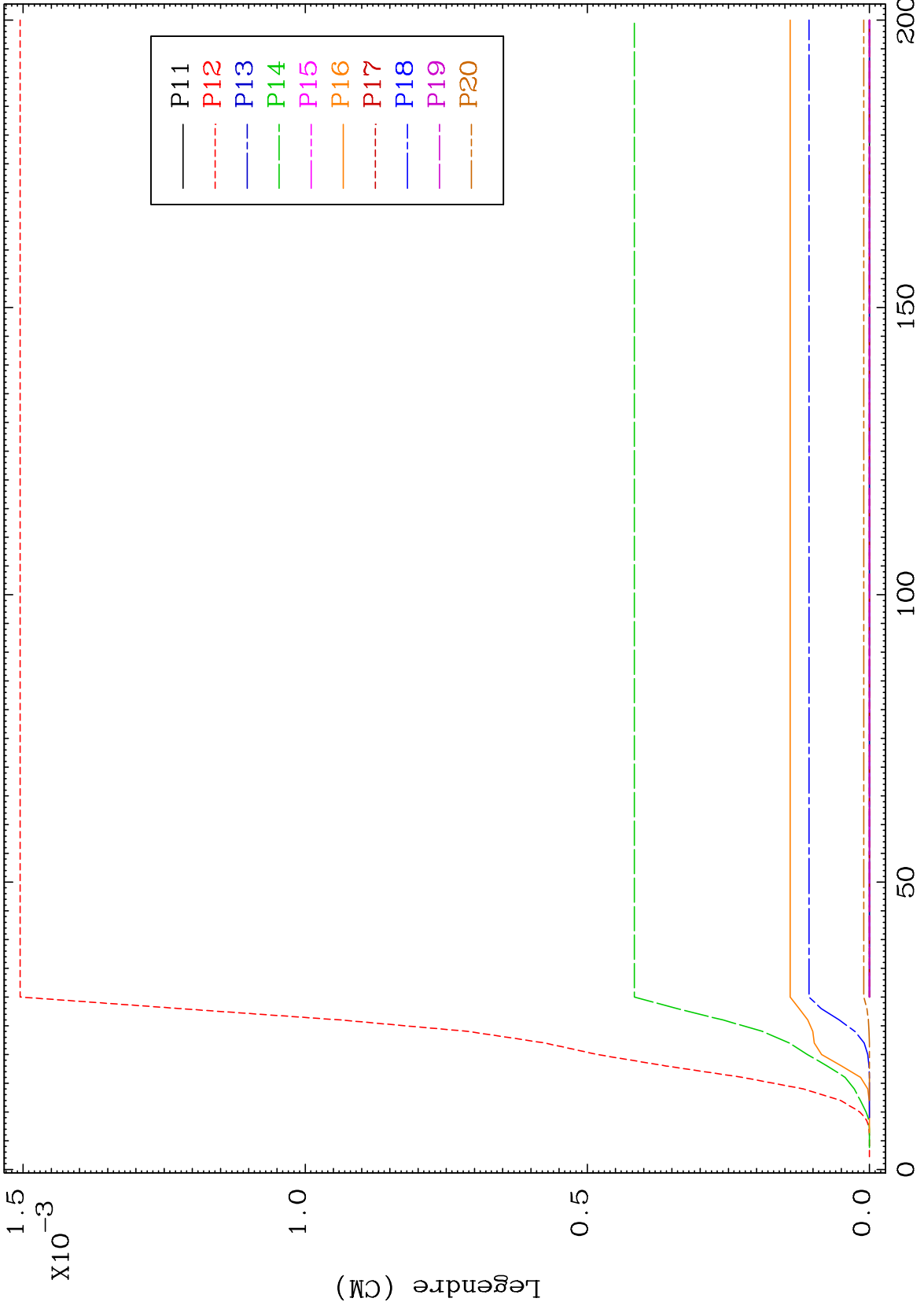
53

MAT 5713 MT= 61 (n,n') Level Legendre Coefficients 57-La-134



54 57-La-134

MAT 5713 MT= 61 (n,n') Level Legendre Coefficients 57-La-134



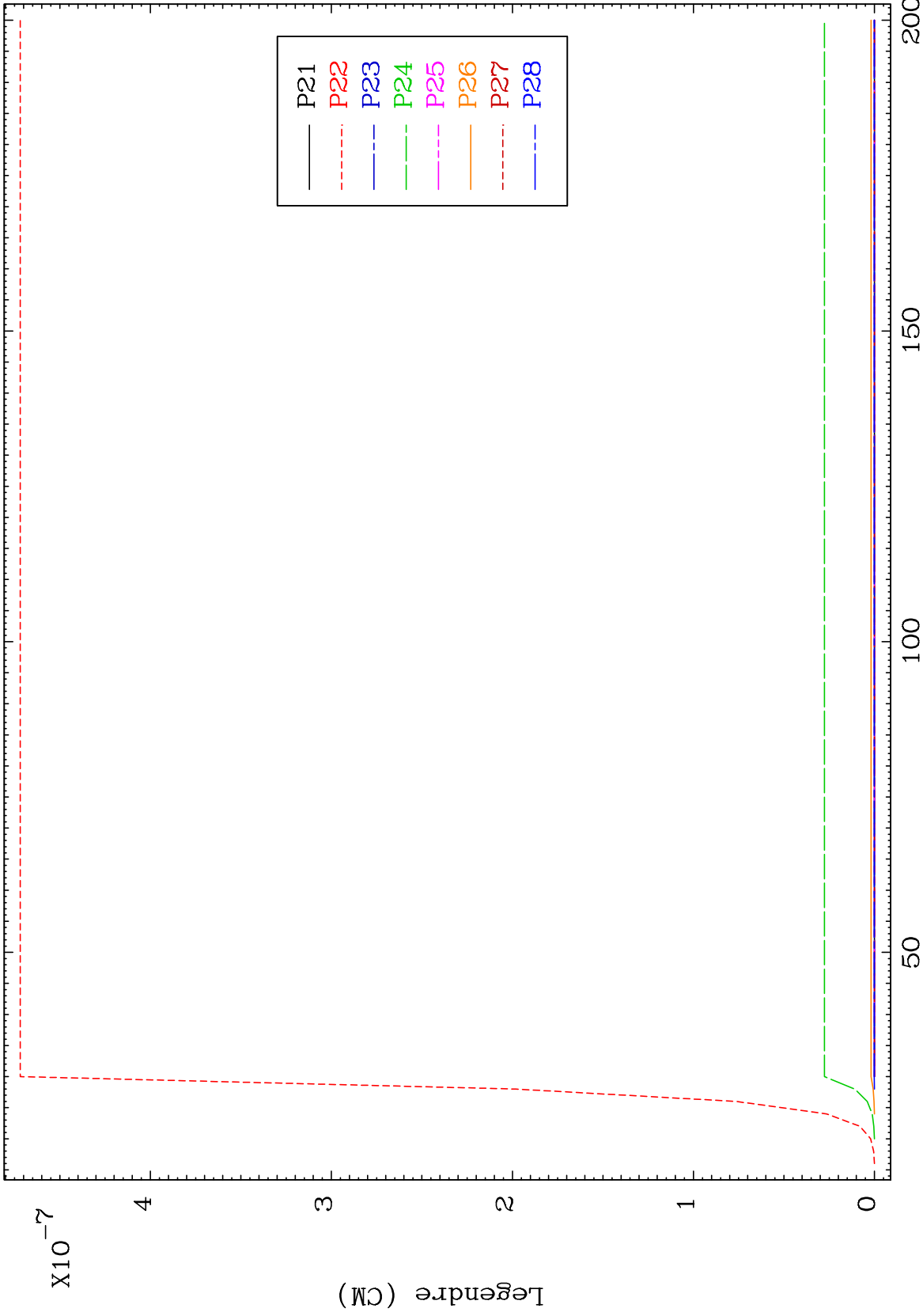
57-La-134



MAT 5713

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

57-La-134



56

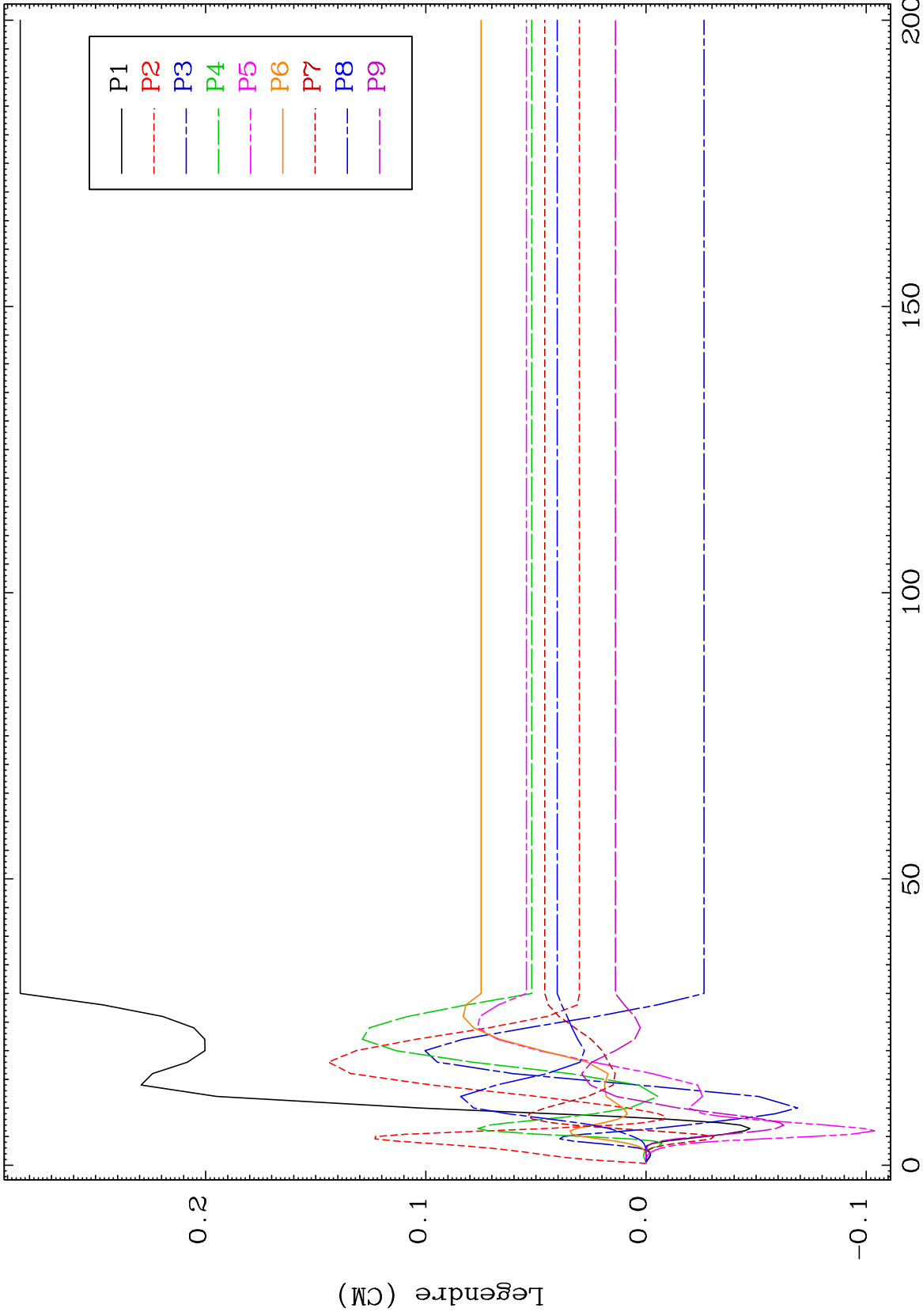
Incident Energy (MeV)

57-La-134

MAT 5713

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

57-La-134



57

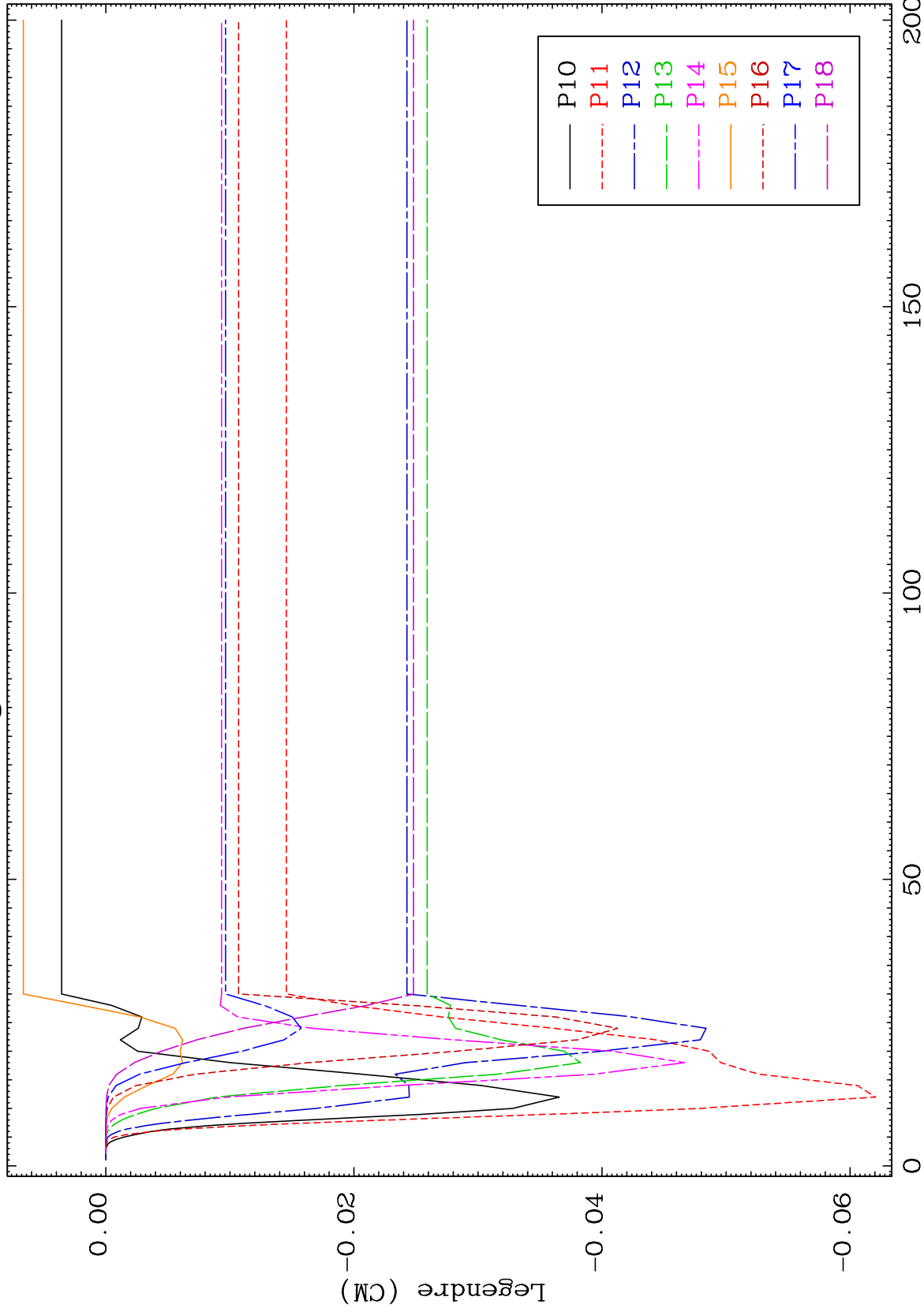
Incident Energy (MeV)

57-La-134

MAT 5713

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

57-La-134



58

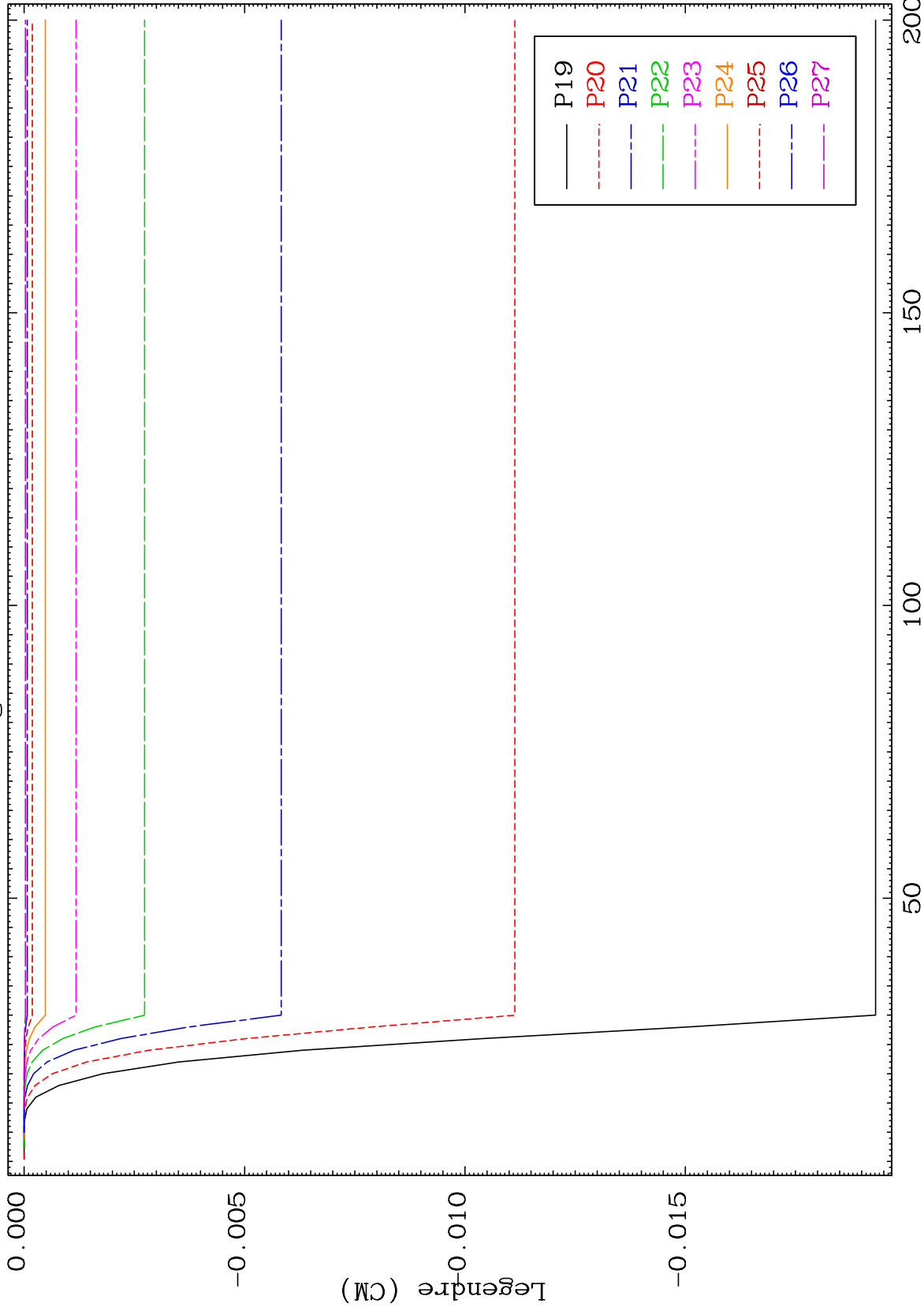
Incident Energy (MeV)

57-La-134

MAT 5713

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

57-La-134



59

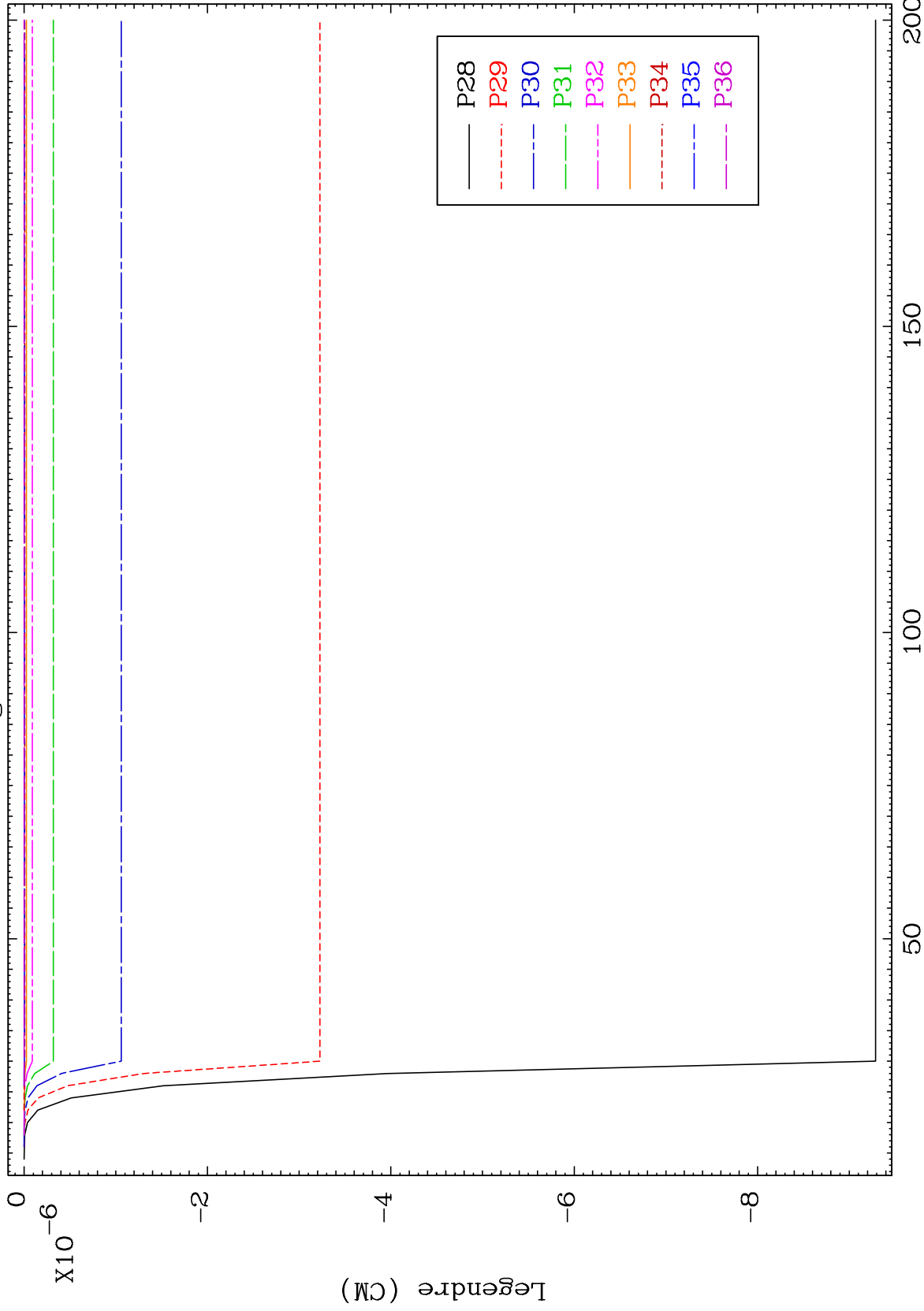
Incident Energy (MeV)

57-La-134

MAT 5713

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

57-La-134



60

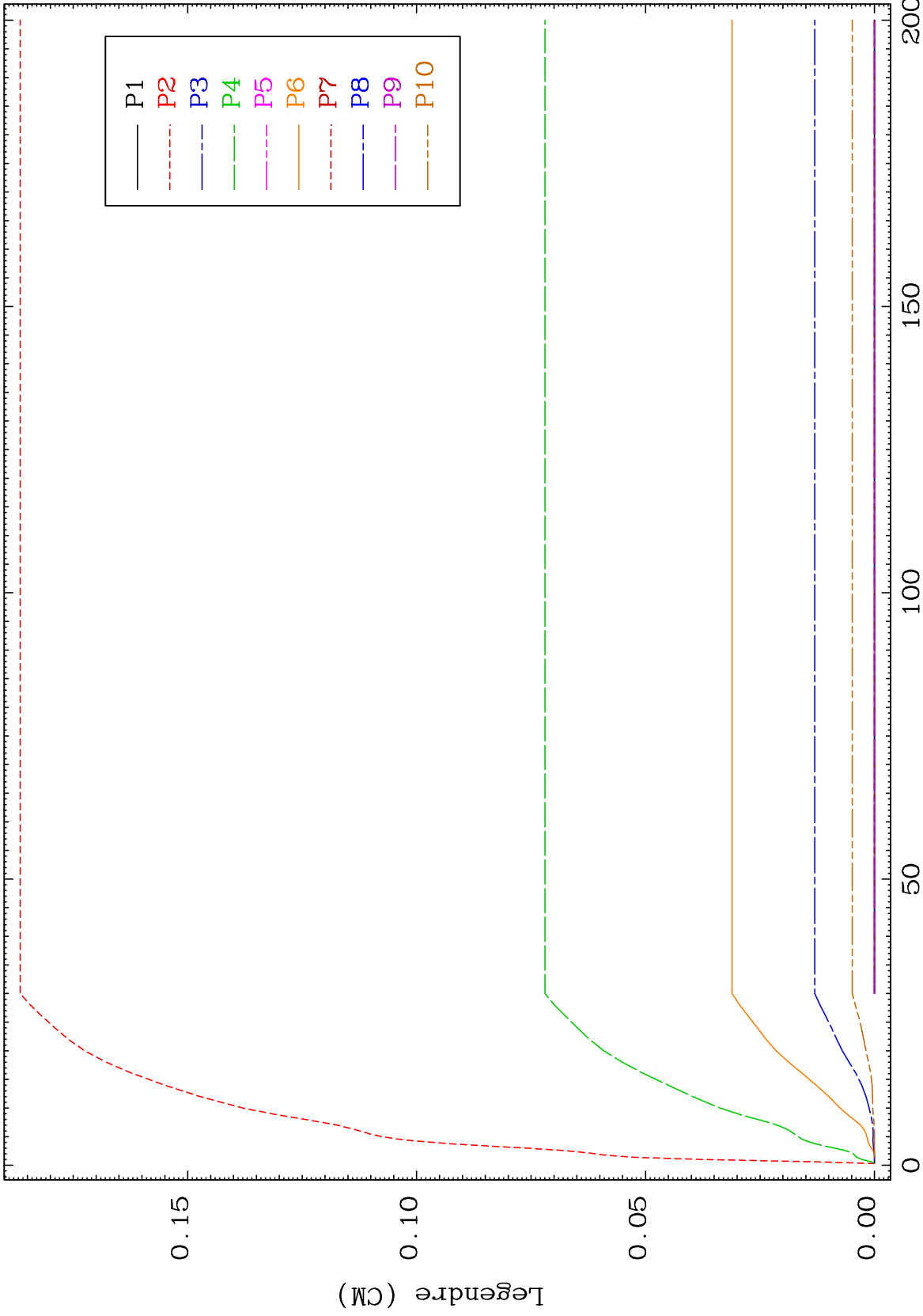
Incident Energy (MeV)

57-La-134

MAT 5713

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

57-La-134

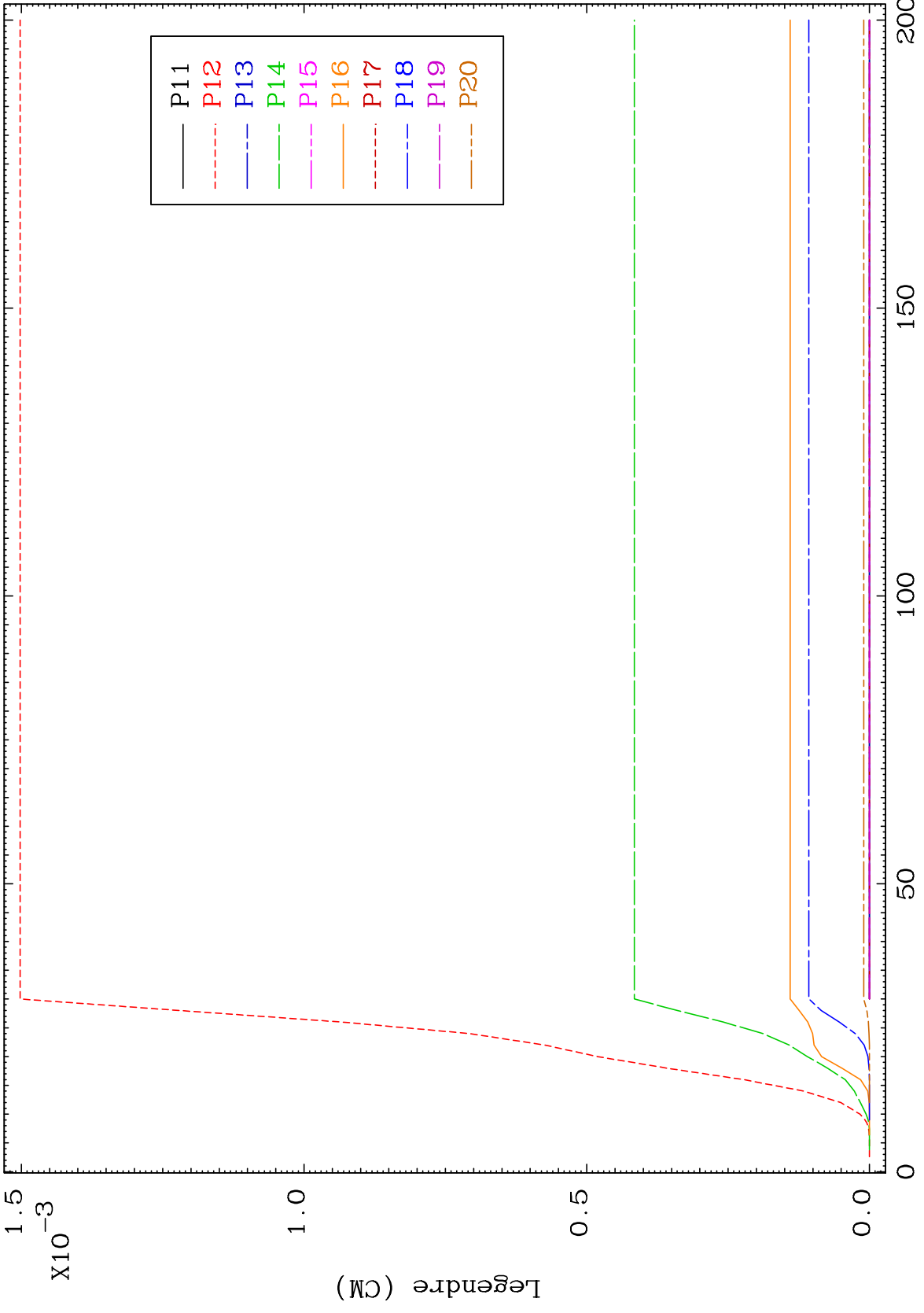


61

Incident Energy (MeV)

57-La-134

MAT 5713 MT= 63 (n,n') Level Legendre Coefficients 57-La-134

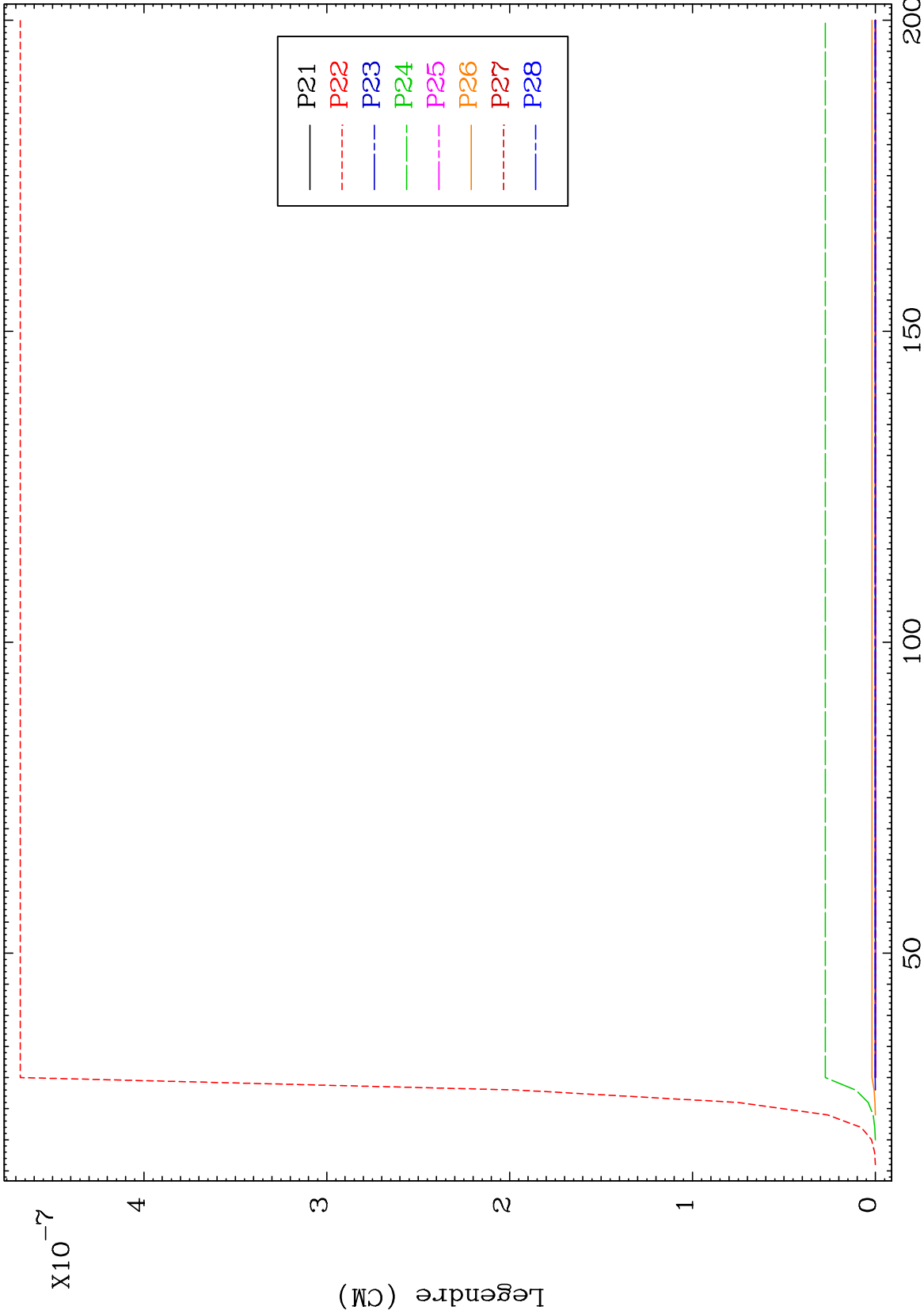


62 57-La-134

MAT 5713

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

57-La-134



63

Incident Energy (MeV)

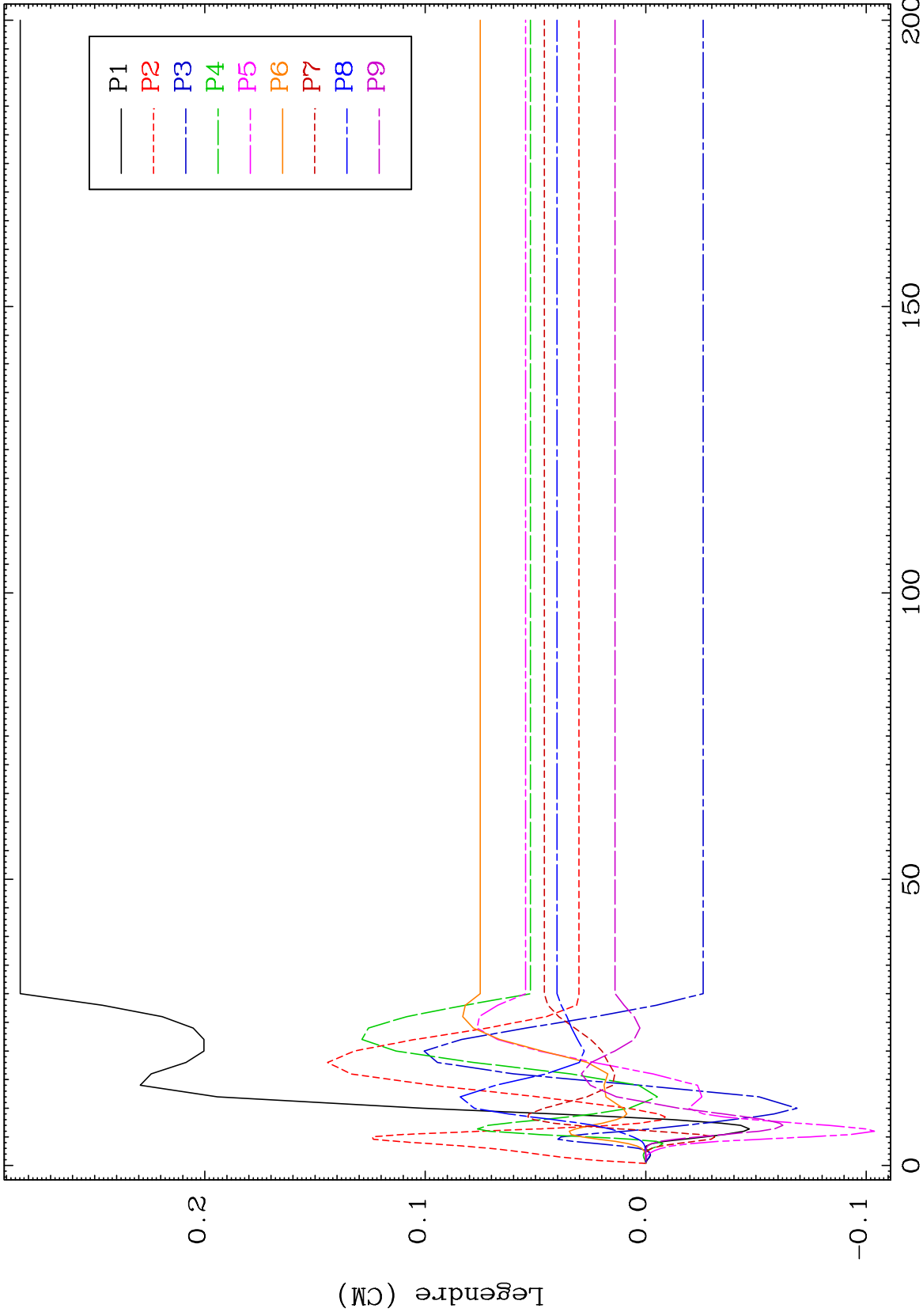
57-La-134



MAT 5713

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

57-La-134



64

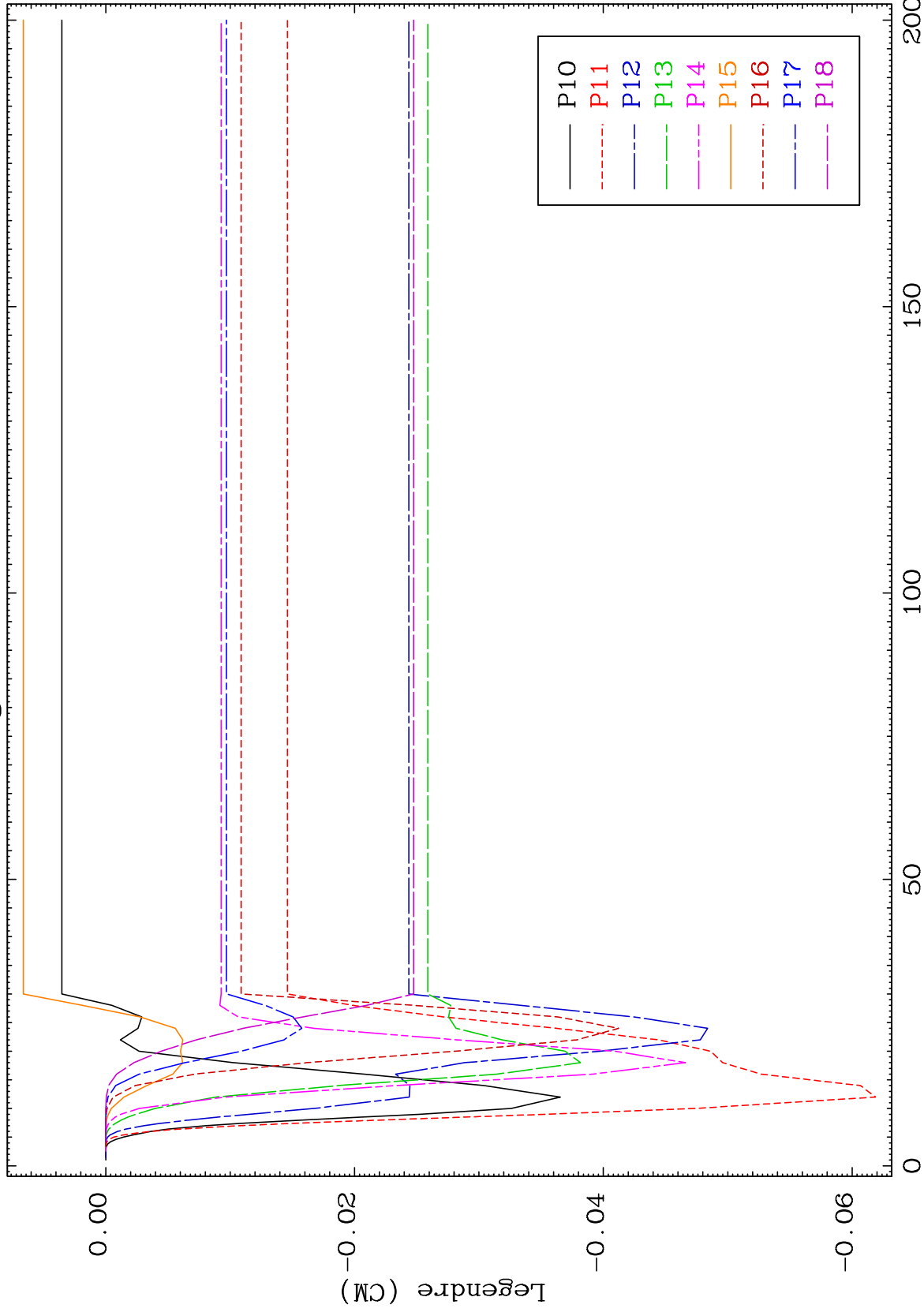
Incident Energy (MeV)

57-La-134

MAT 5713

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

57-La-134



65

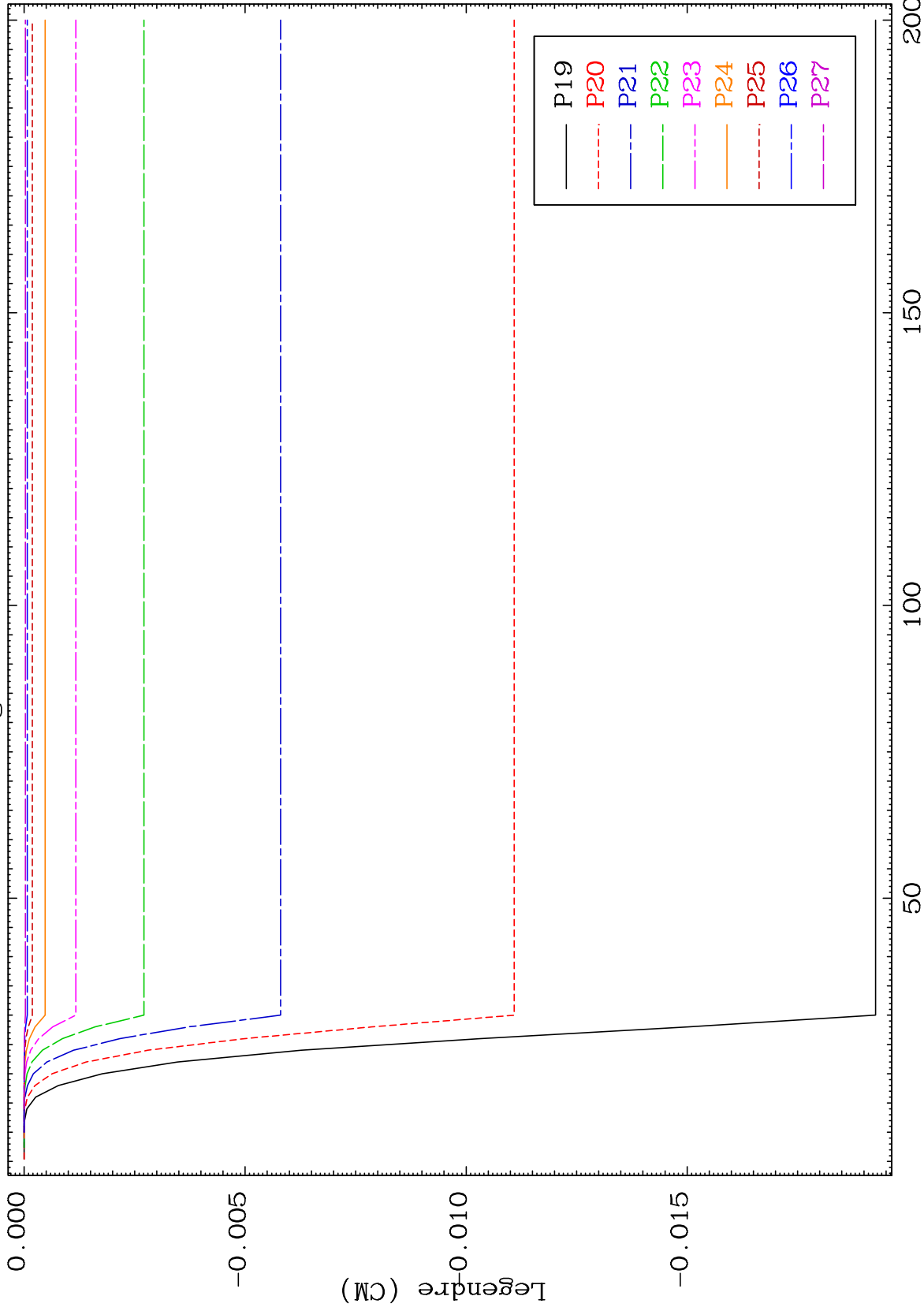
Incident Energy (MeV)

57-La-134

MAT 5713

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

57-La-134



57-La-134

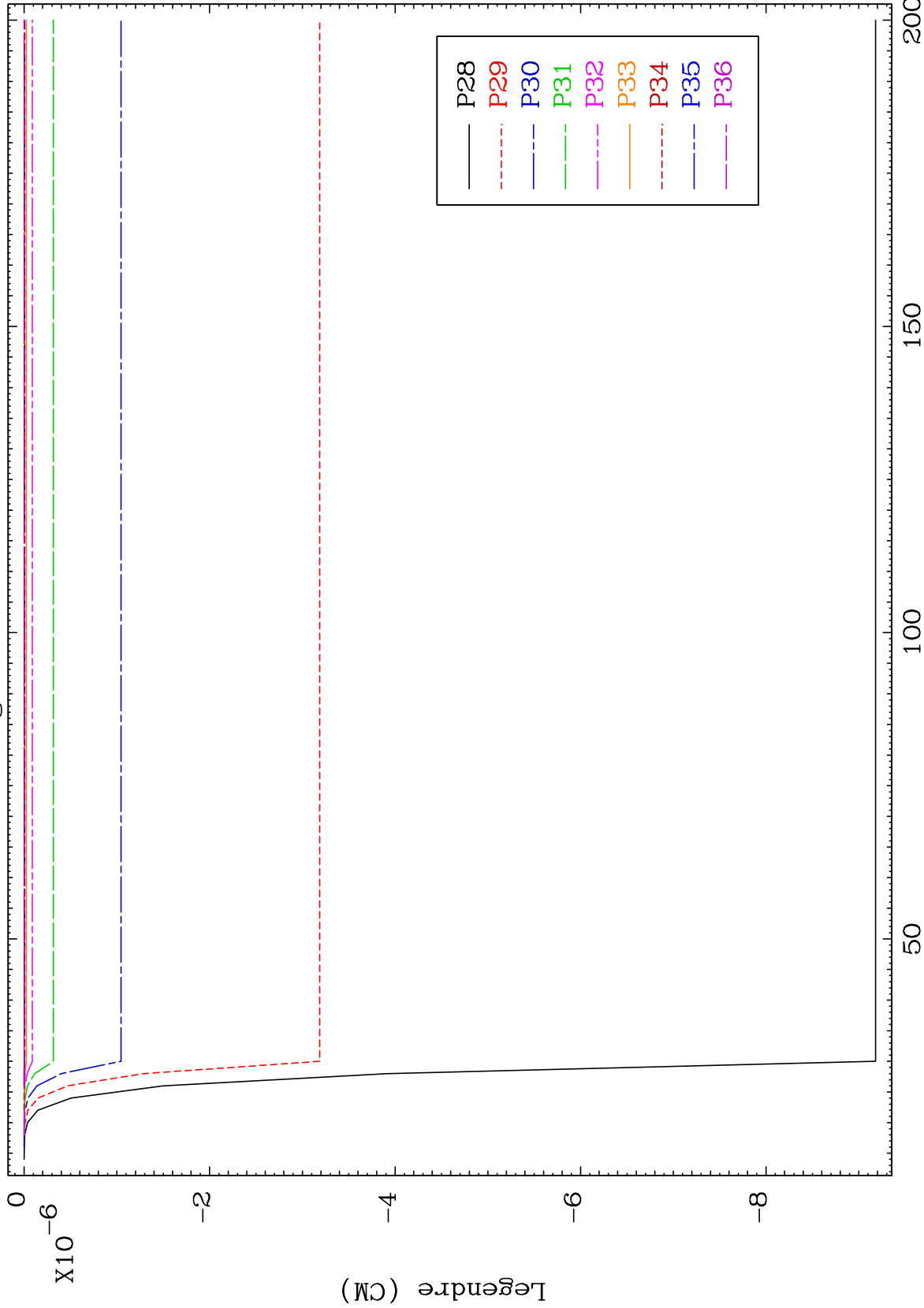
Incident Energy (MeV)

66

MAT 5713

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

57-La-134

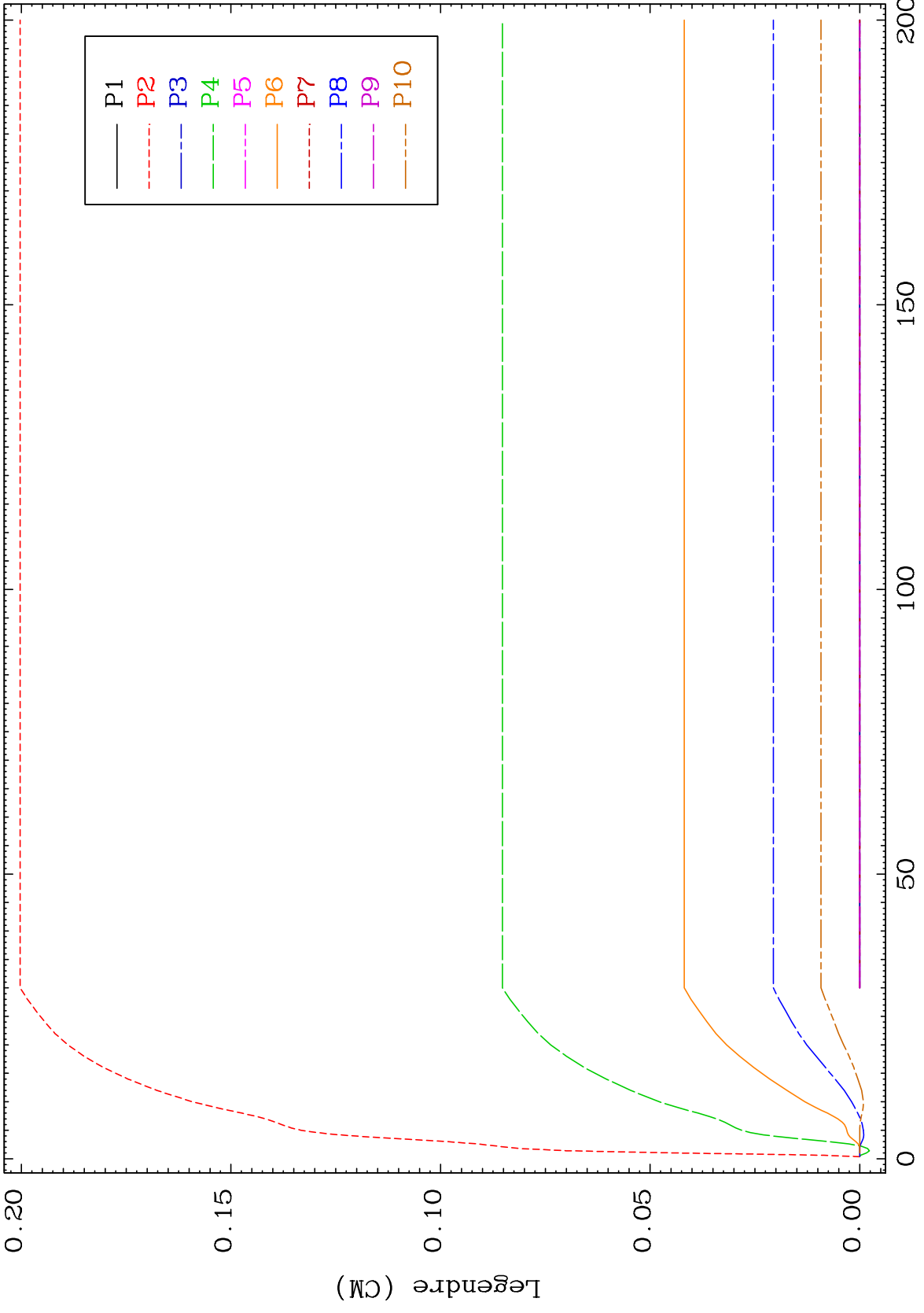


67

Incident Energy (MeV)

57-La-134

MAT 5713 MT= 65 (n,n') Level Legendre Coefficients 57-La-134

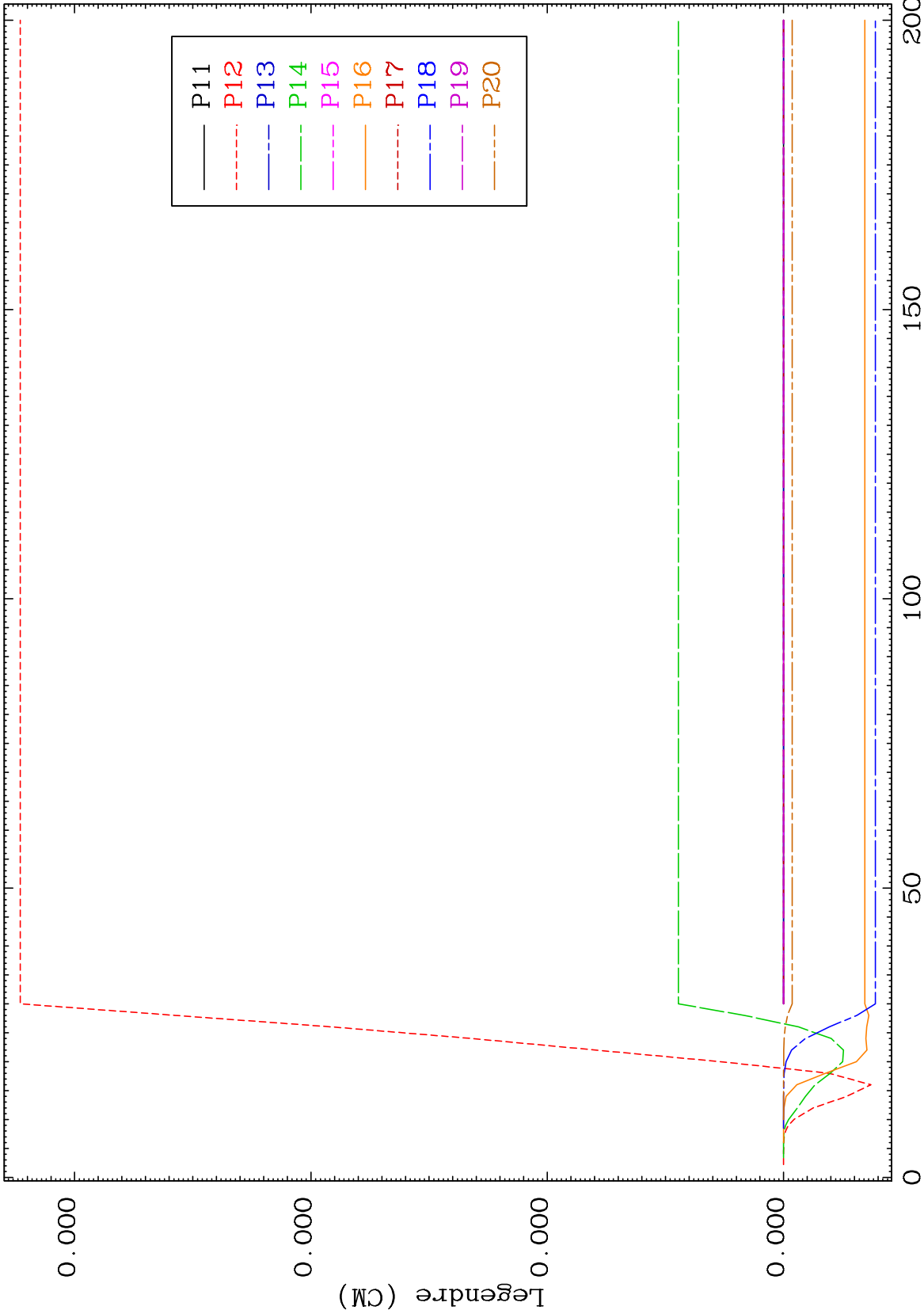


68 57-La-134

MAT 5713

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

57-La-134



69

57-La-134

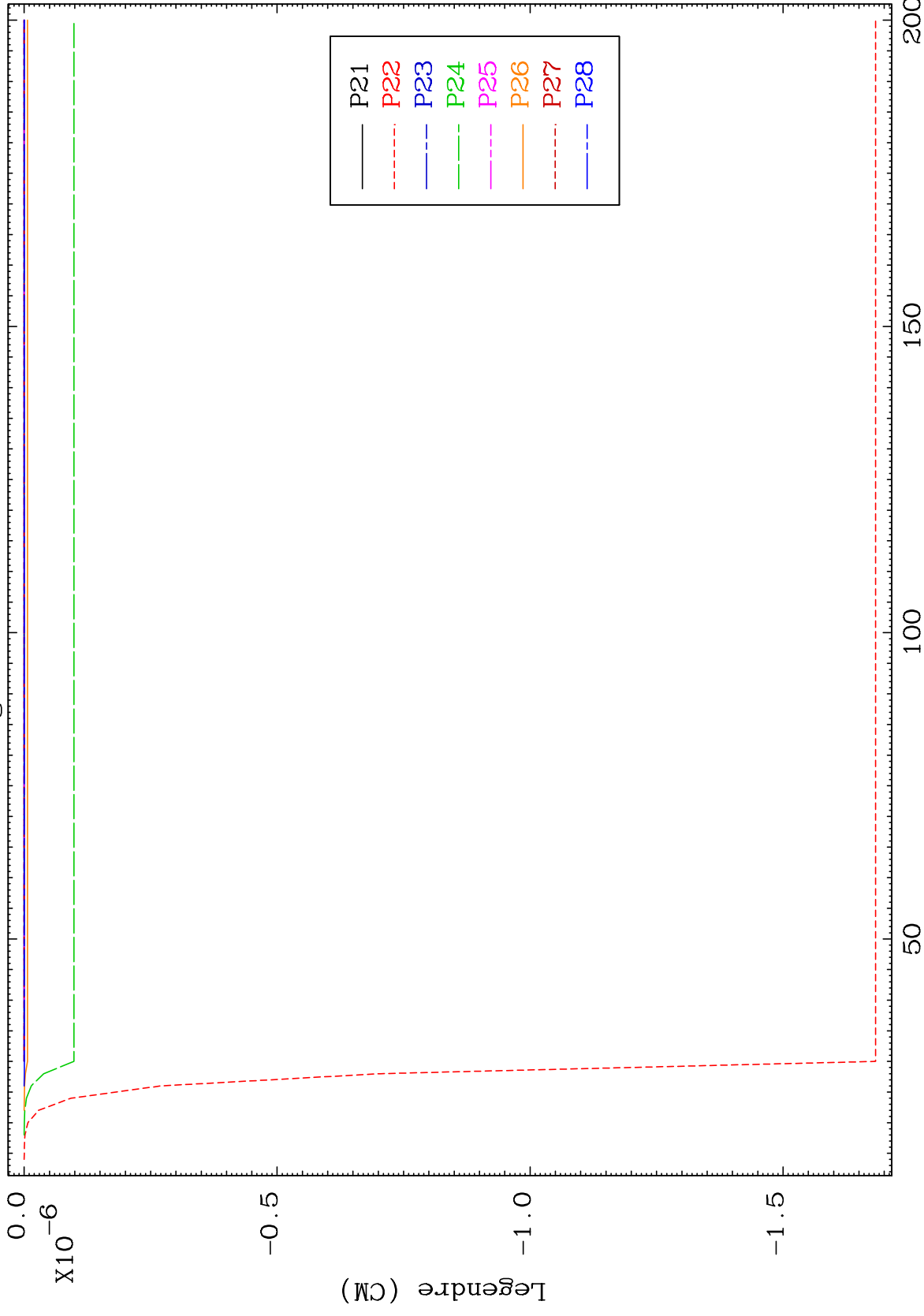
MAT 5713

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

57-La-134

Incident Energy (MeV)

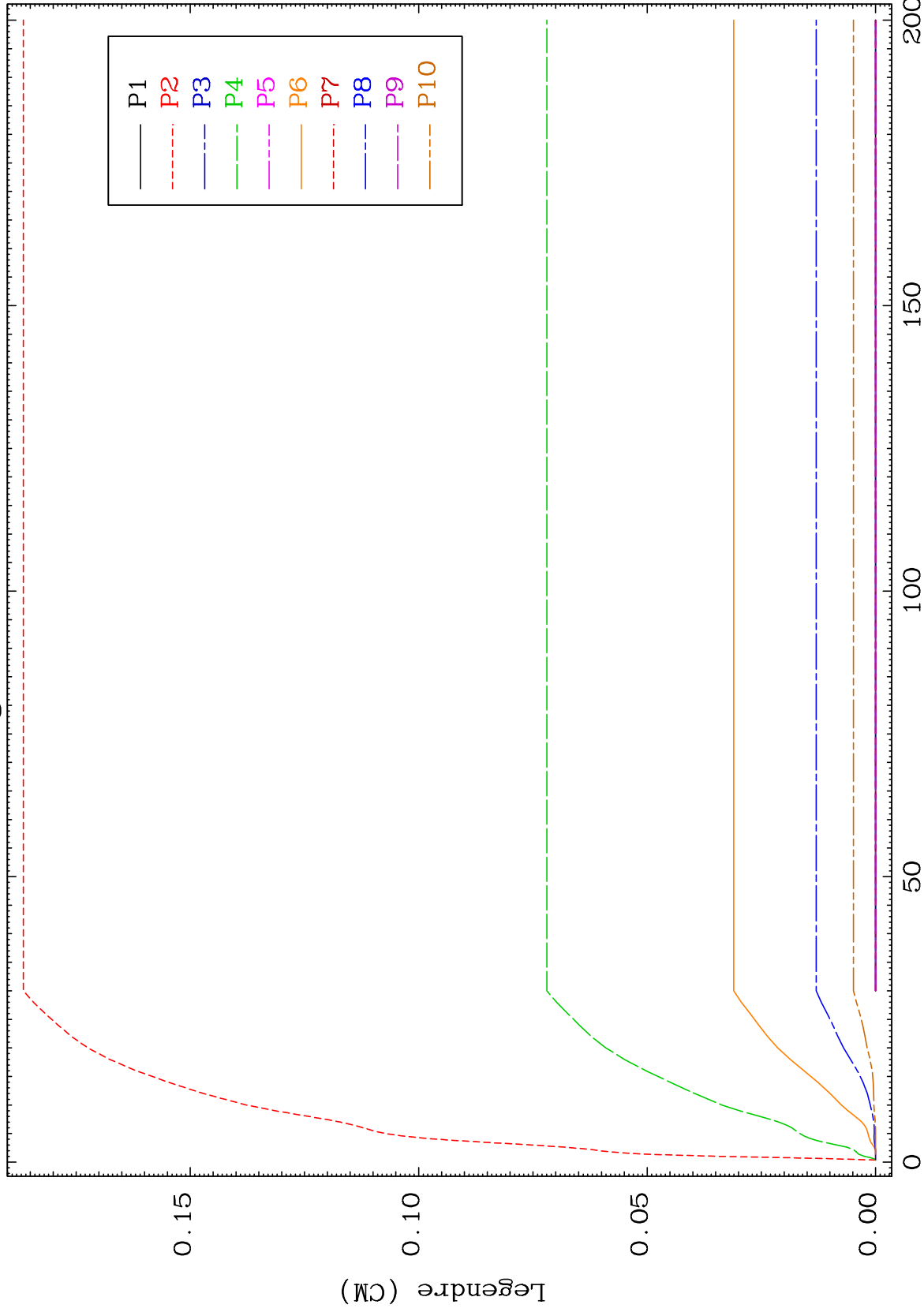
70



MAT 5713

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

57-La-134



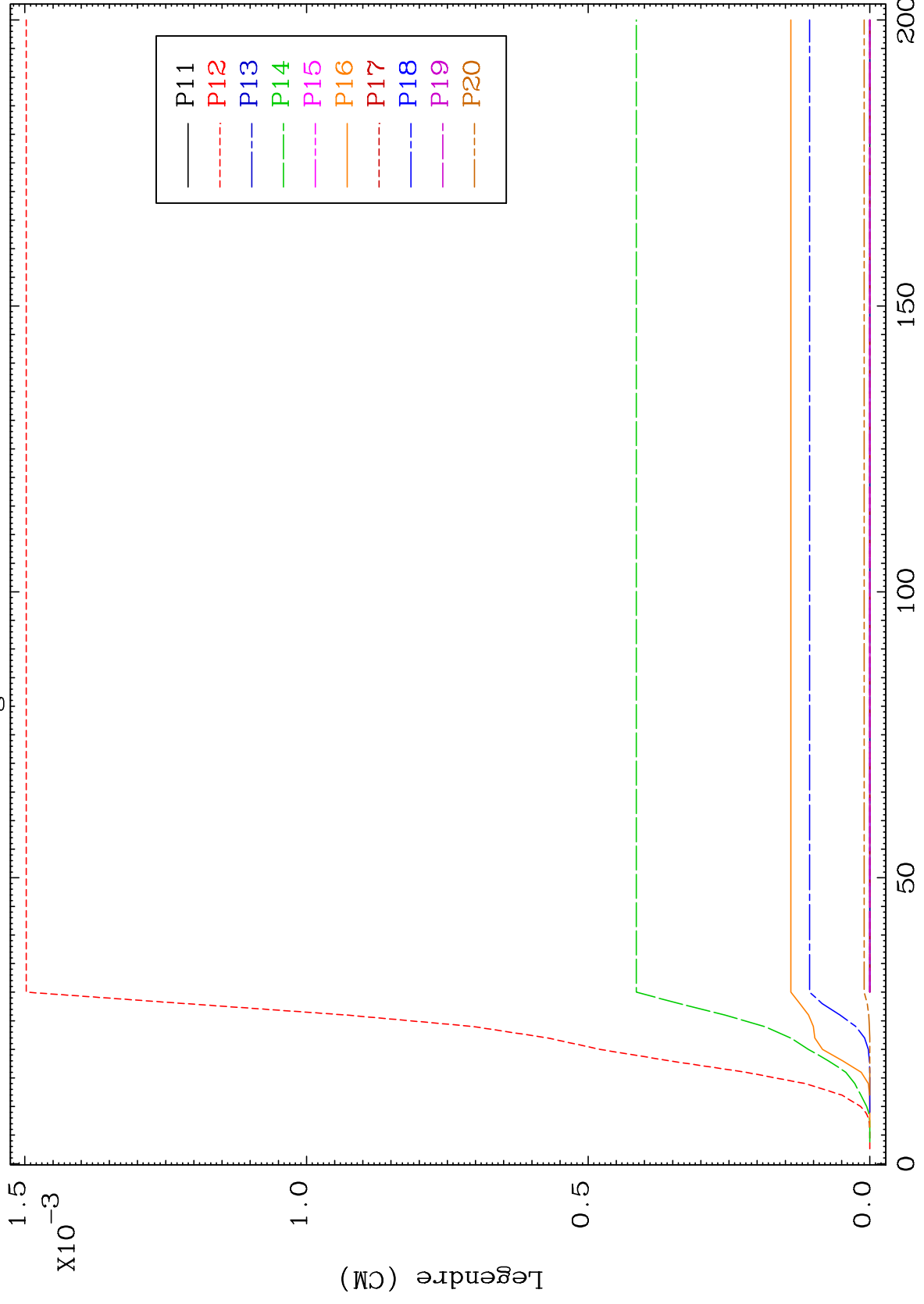
71

Incident Energy (MeV)

57-La-134



MAT 5713 MT= 66 (n,n') Level Legendre Coefficients 57-La-134

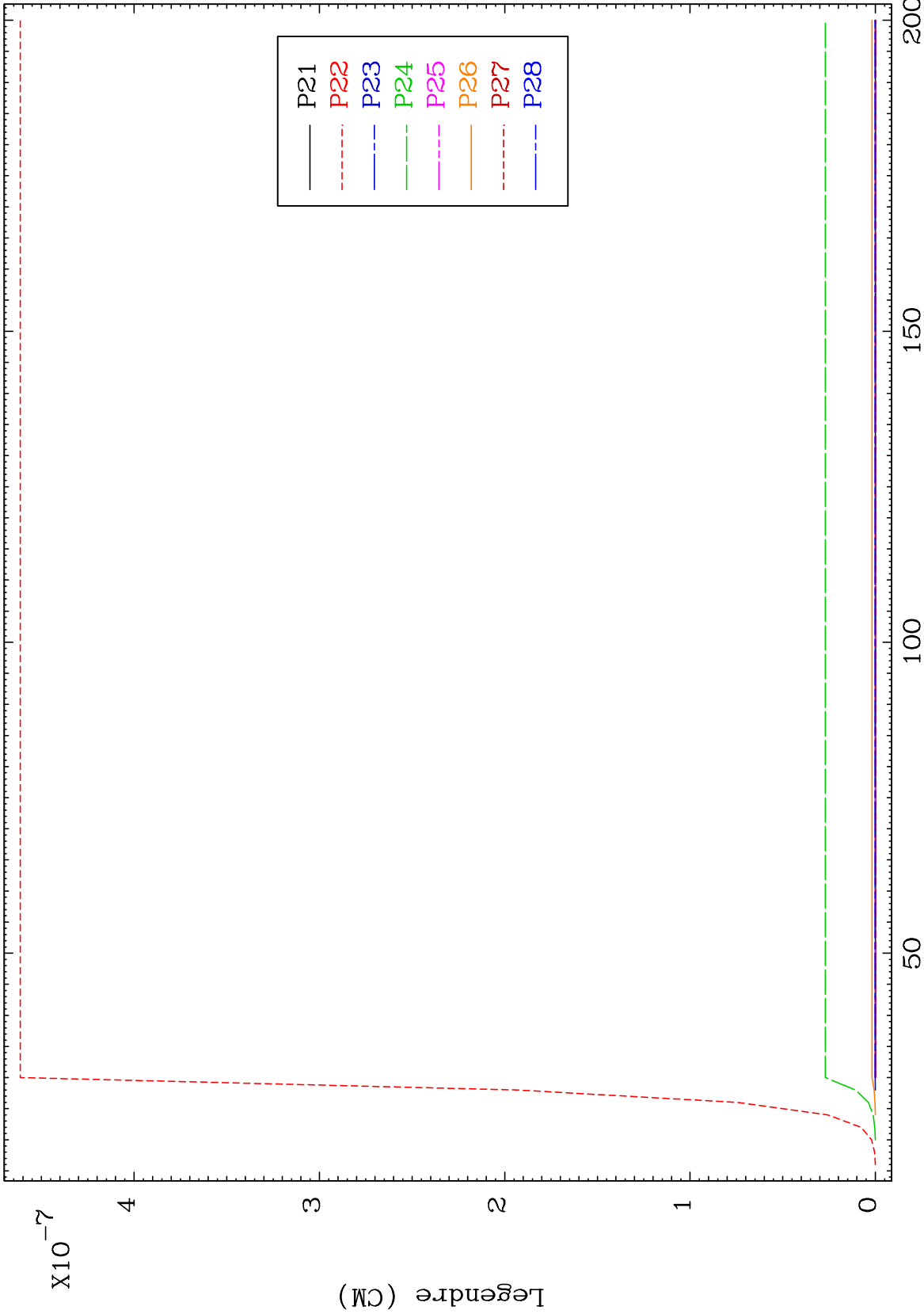


72 57-La-134

MAT 5713

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

57-La-134



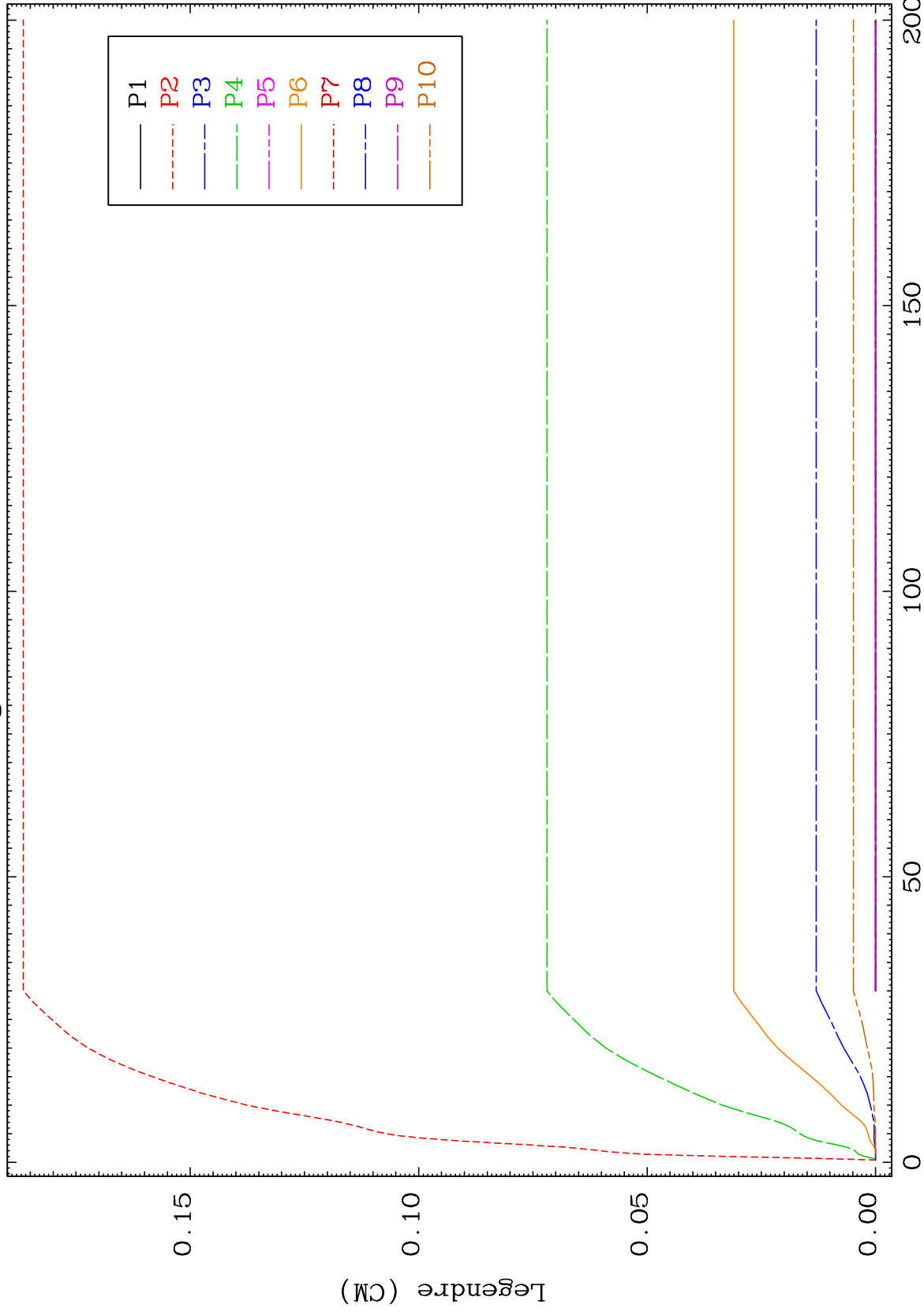
73

57-La-134

MAT 5713

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

57-La-134

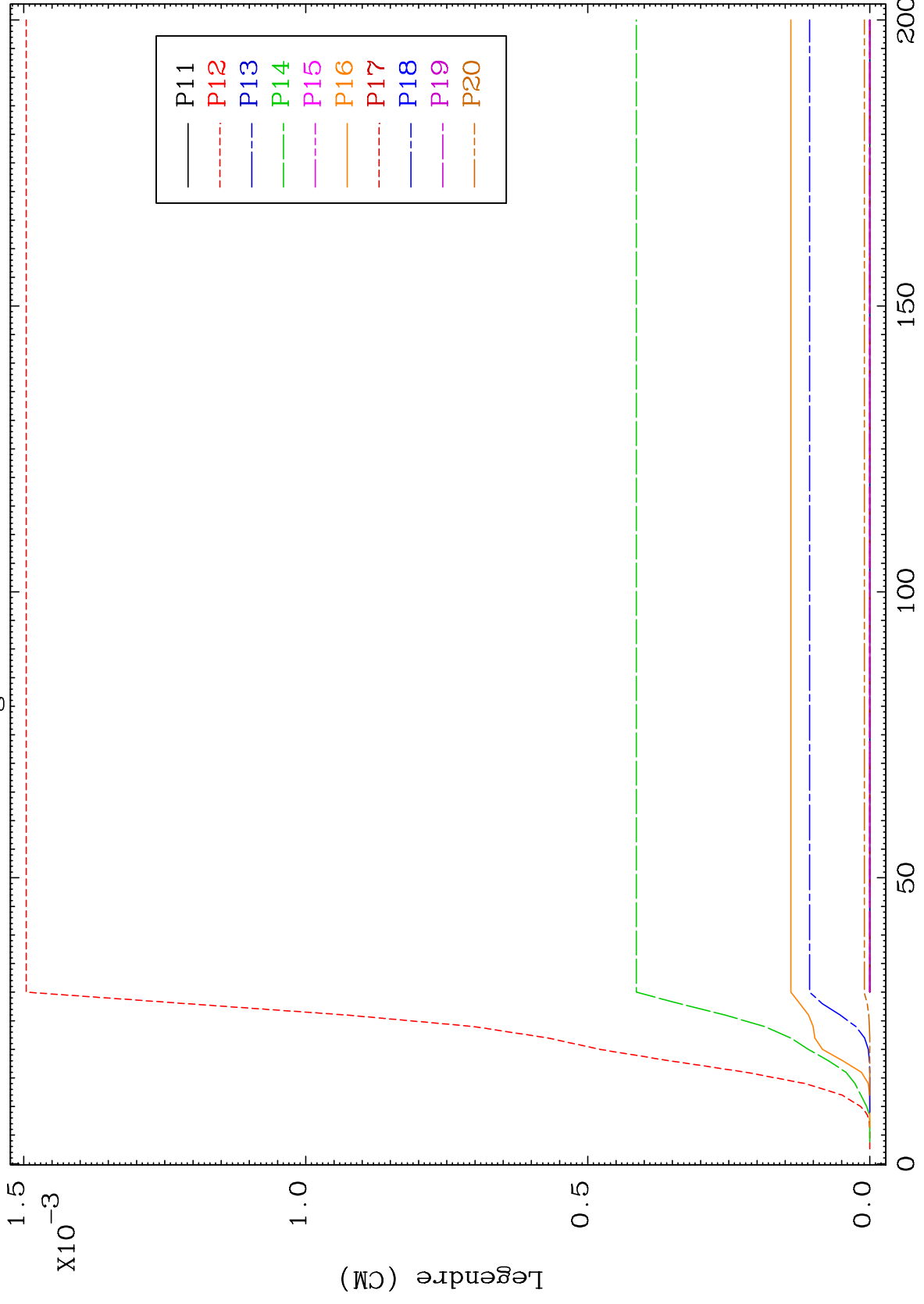


74

Incident Energy (MeV)

57-La-134

MAT 5713 MT= 67 (n,n') Level Legendre Coefficients 57-La-134

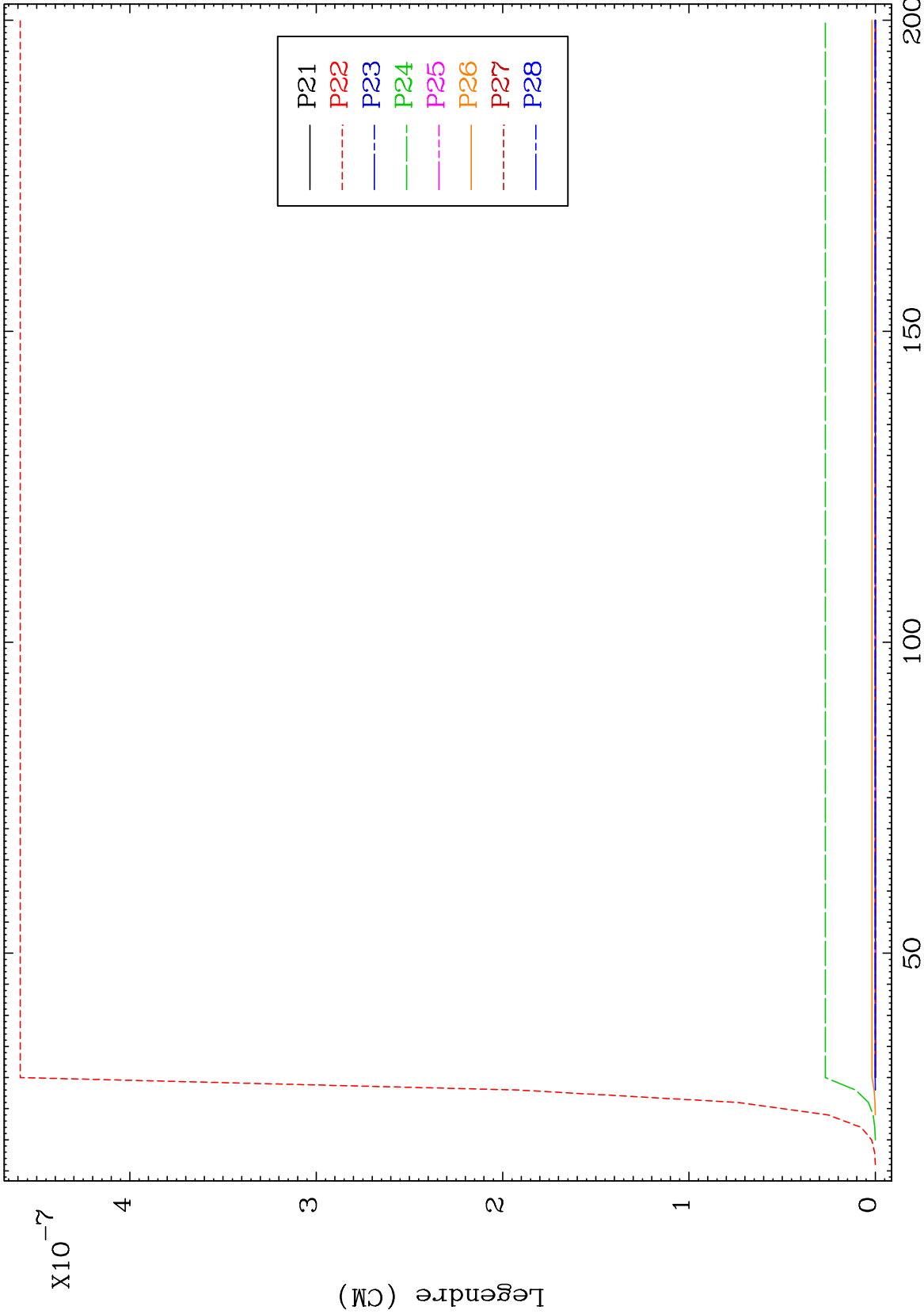


75 Incident Energy (MeV) 57-La-134

MAT 5713

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

57-La-134

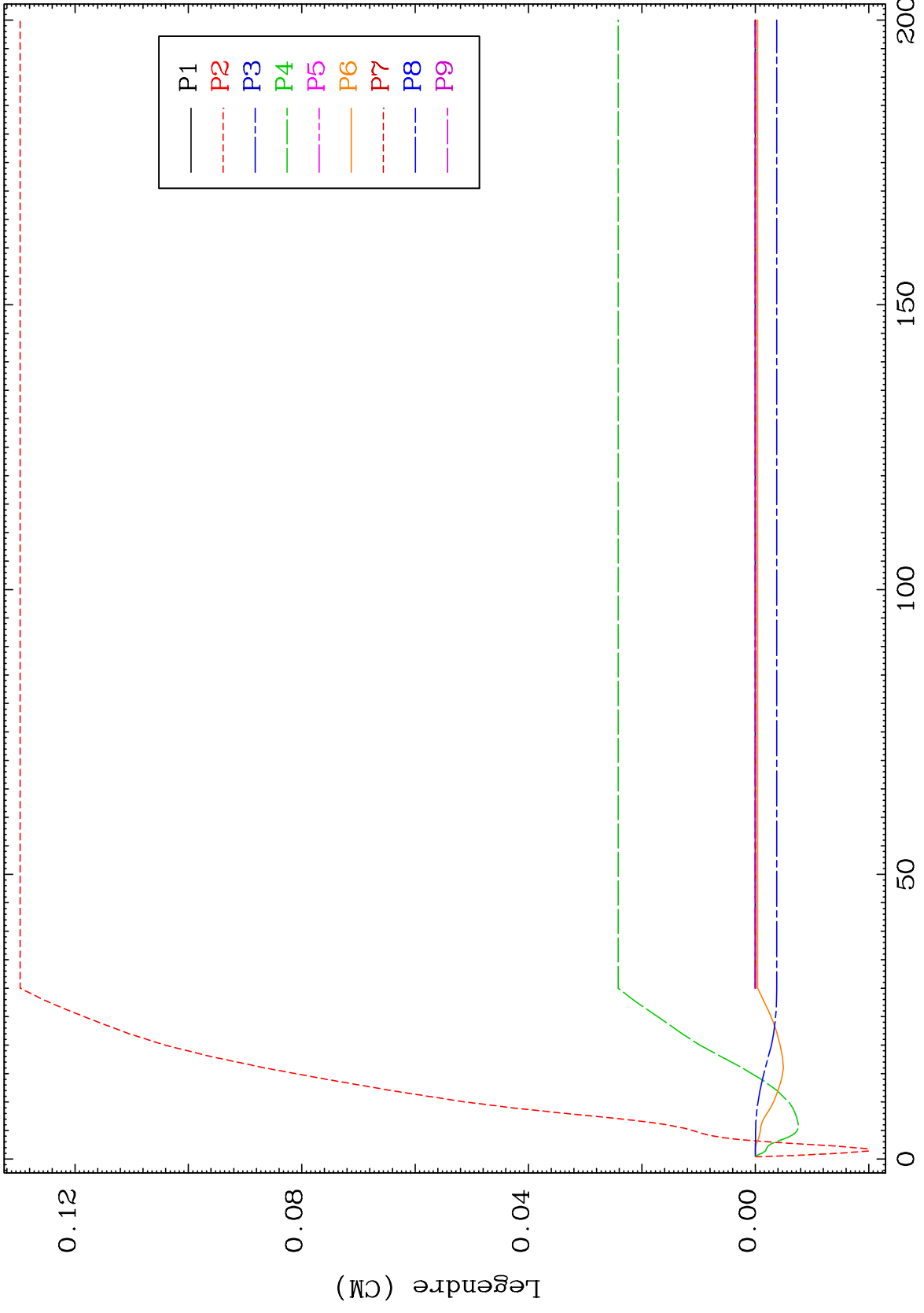


76

Incident Energy (MeV)

57-La-134

MAT 5713 MT= 68 (n,n') Level Legendre Coefficients 57-La-134

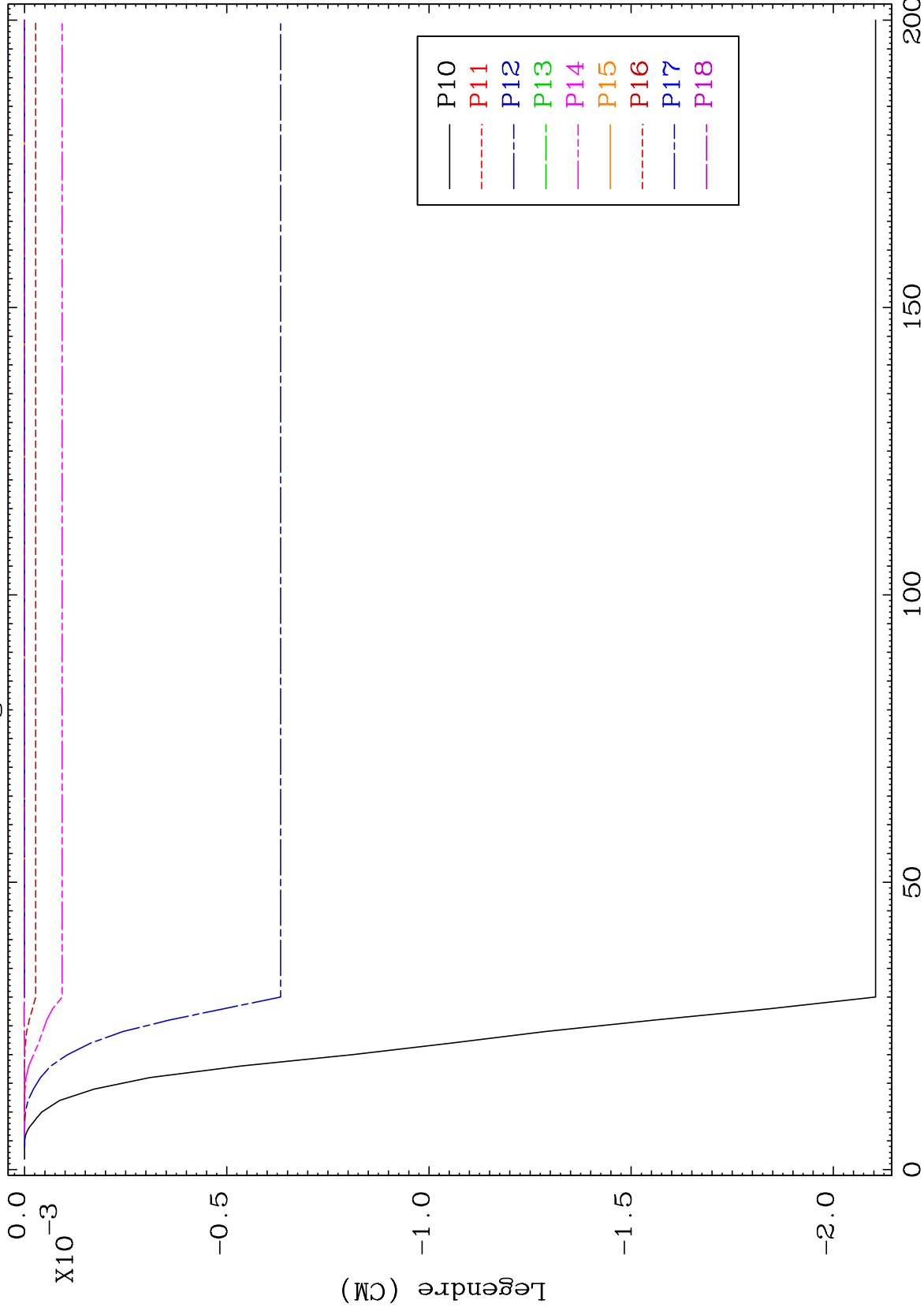


77 57-La-134

MAT 5713

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

57-La-134



78

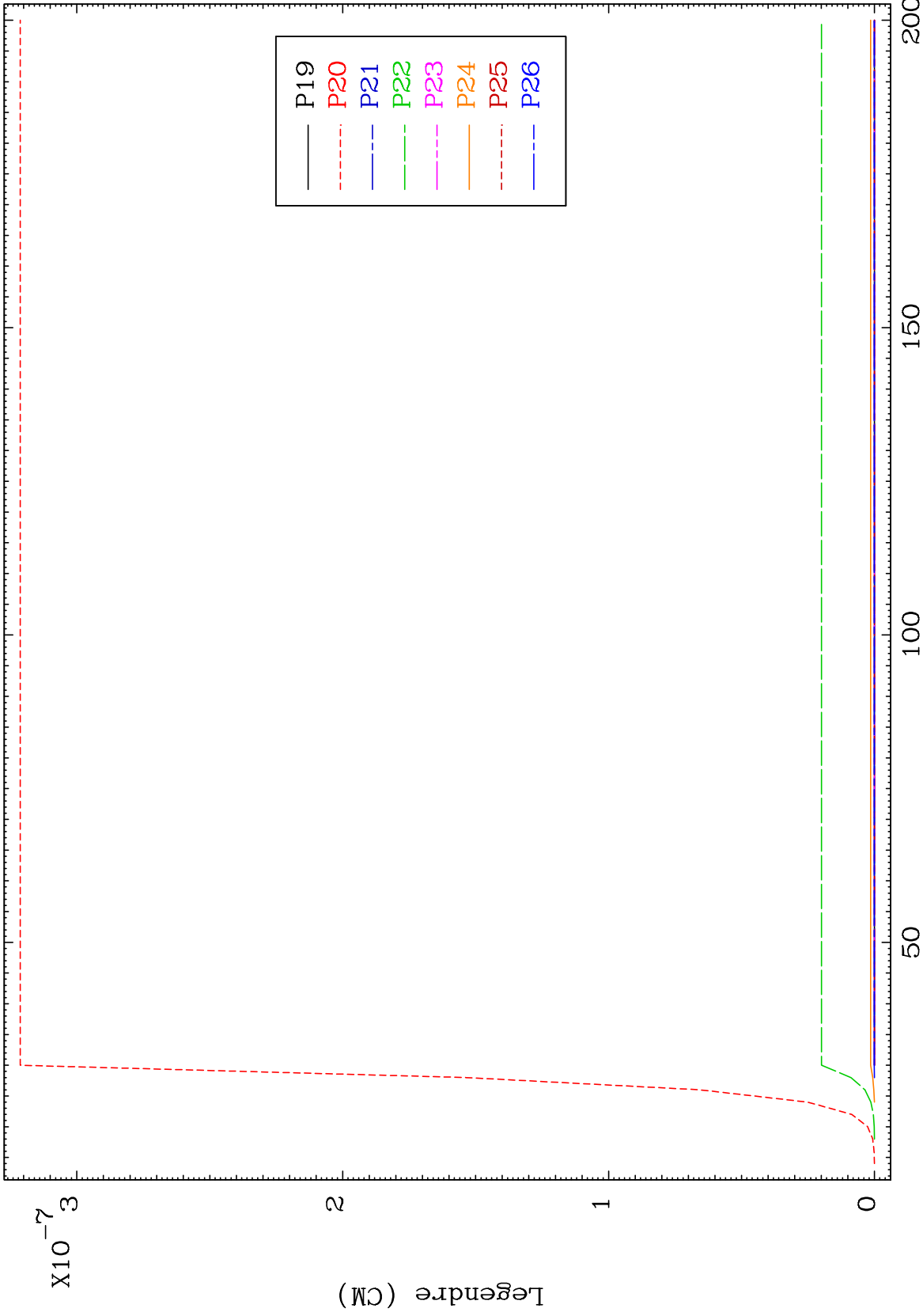
Incident Energy (MeV)

57-La-134

MAT 5713

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

57-La-134



79

Incident Energy (MeV)

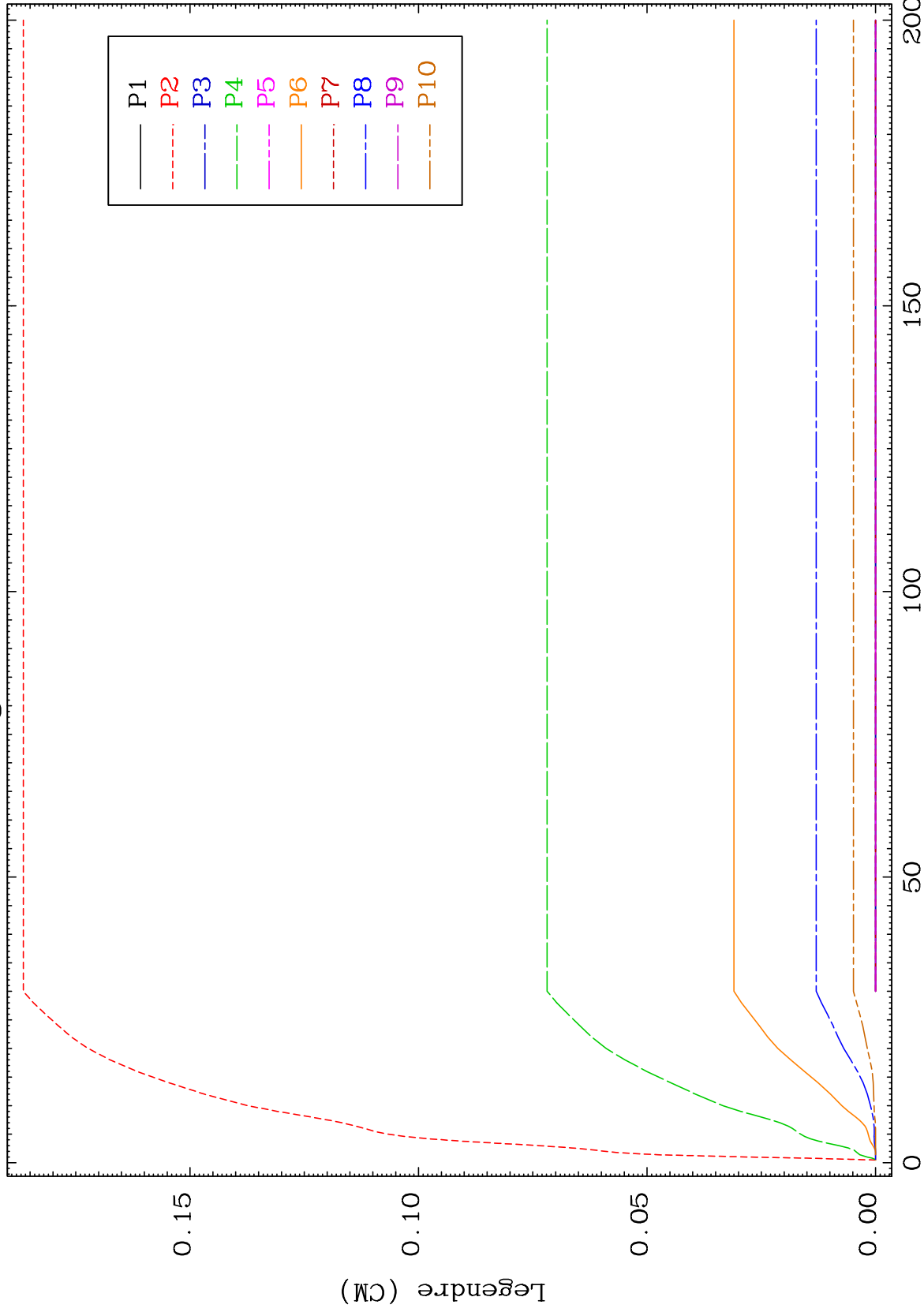
57-La-134



MAT 5713

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

57-La-134

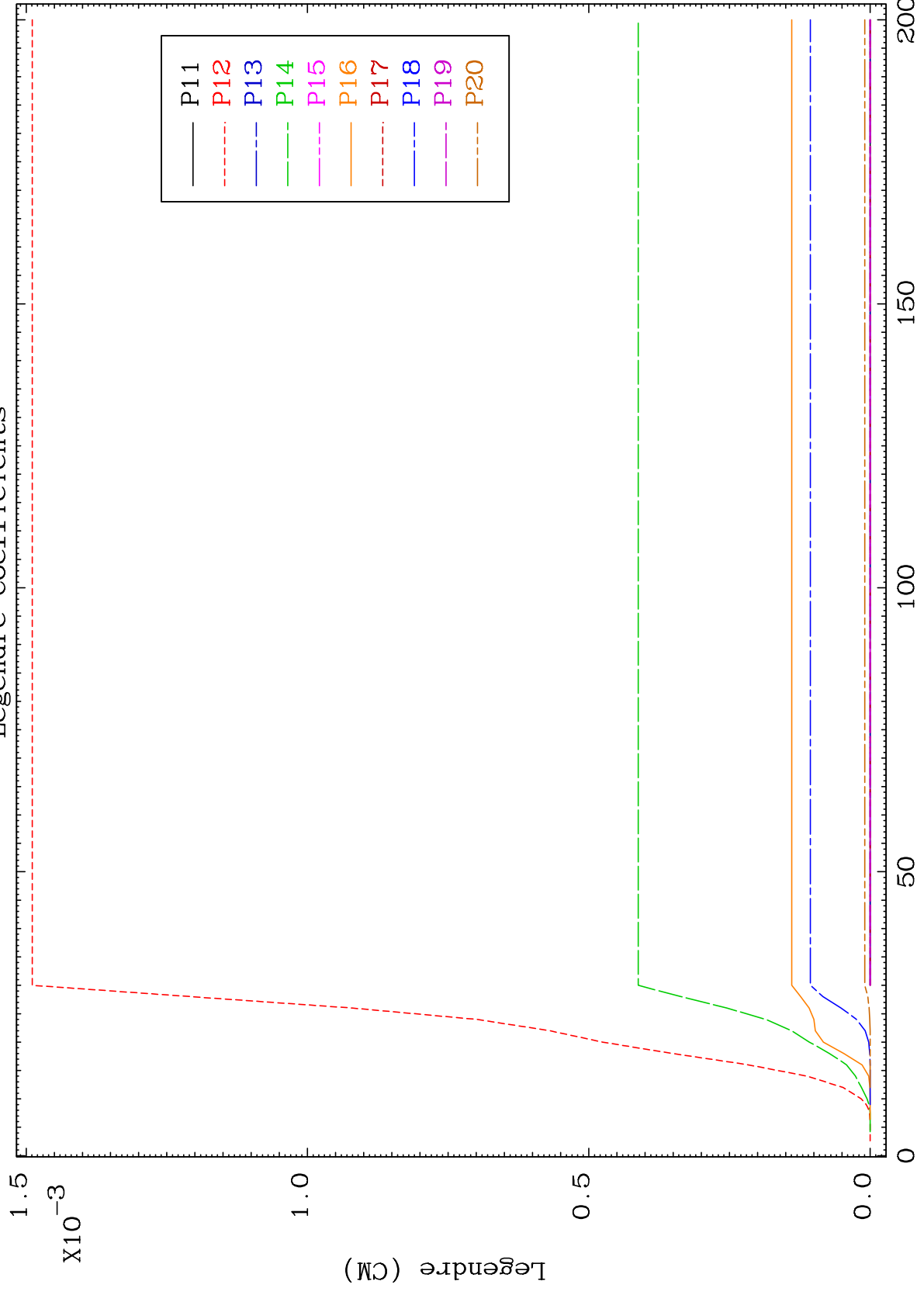


80

Incident Energy (MeV)

57-La-134

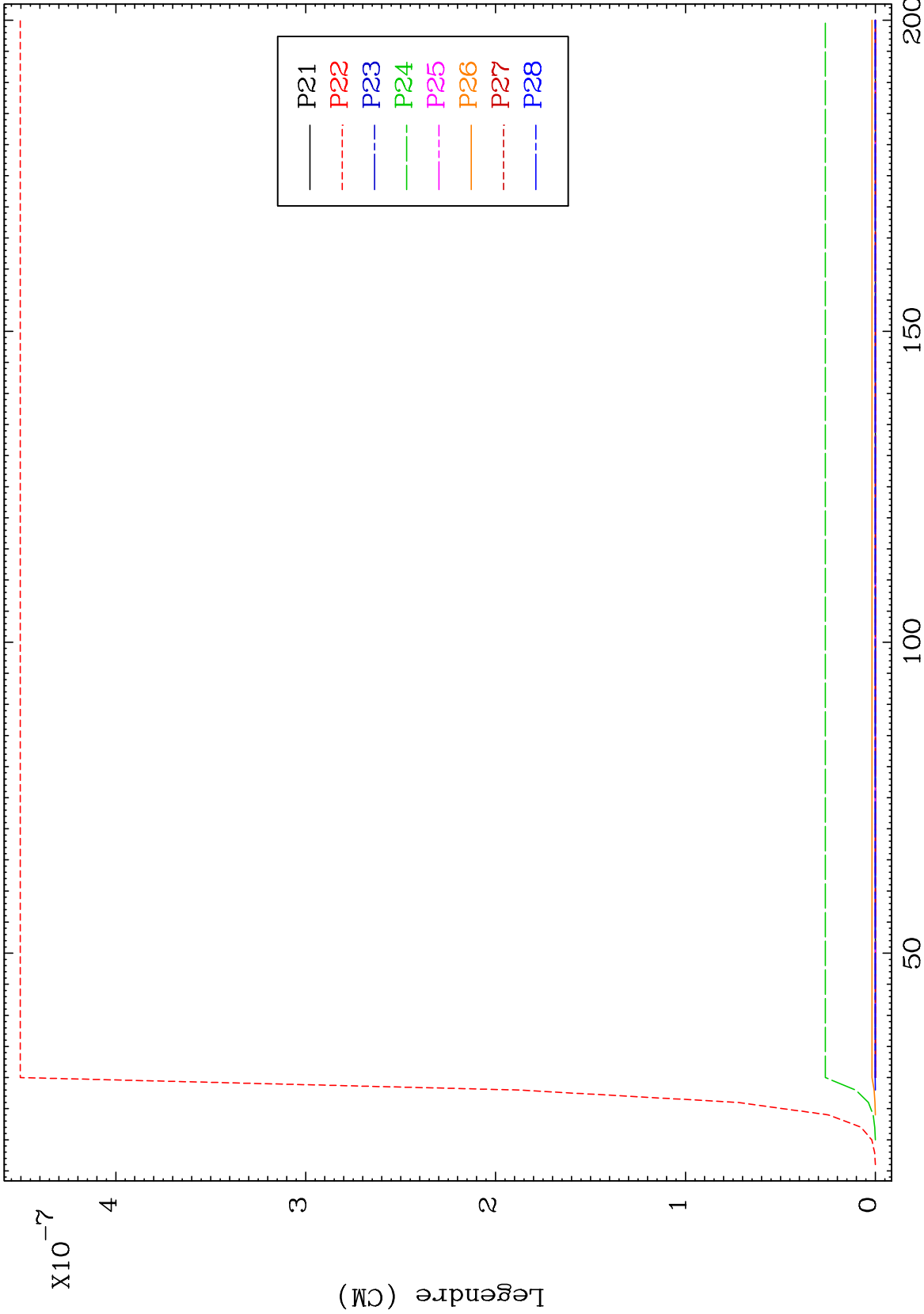
MAT 5713 MT= 69 (n,n') Level Legendre Coefficients 57-La-134



MAT 5713

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

57-La-134



82

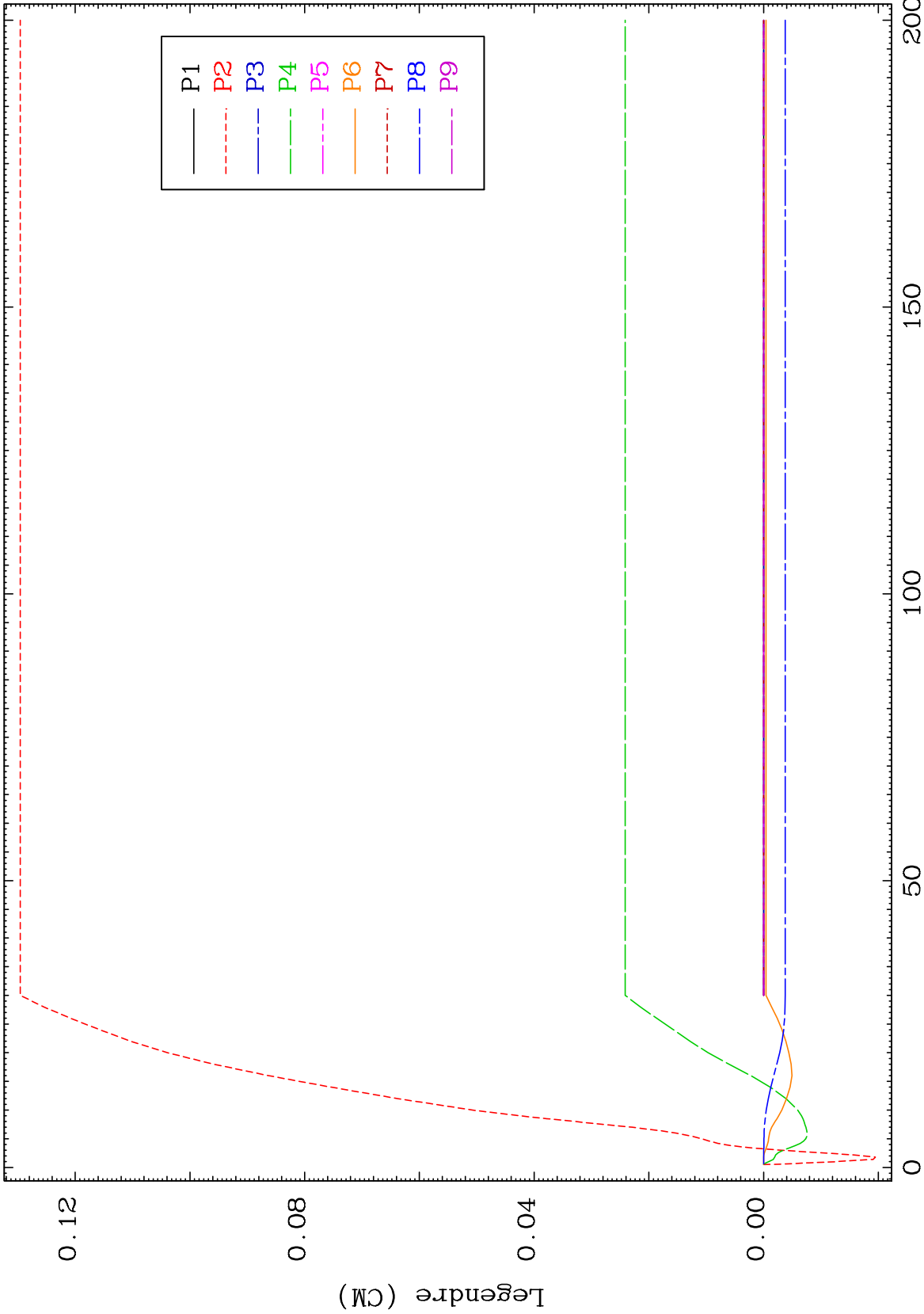
Incident Energy (MeV)

57-La-134

MAT 5713

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

57-La-134



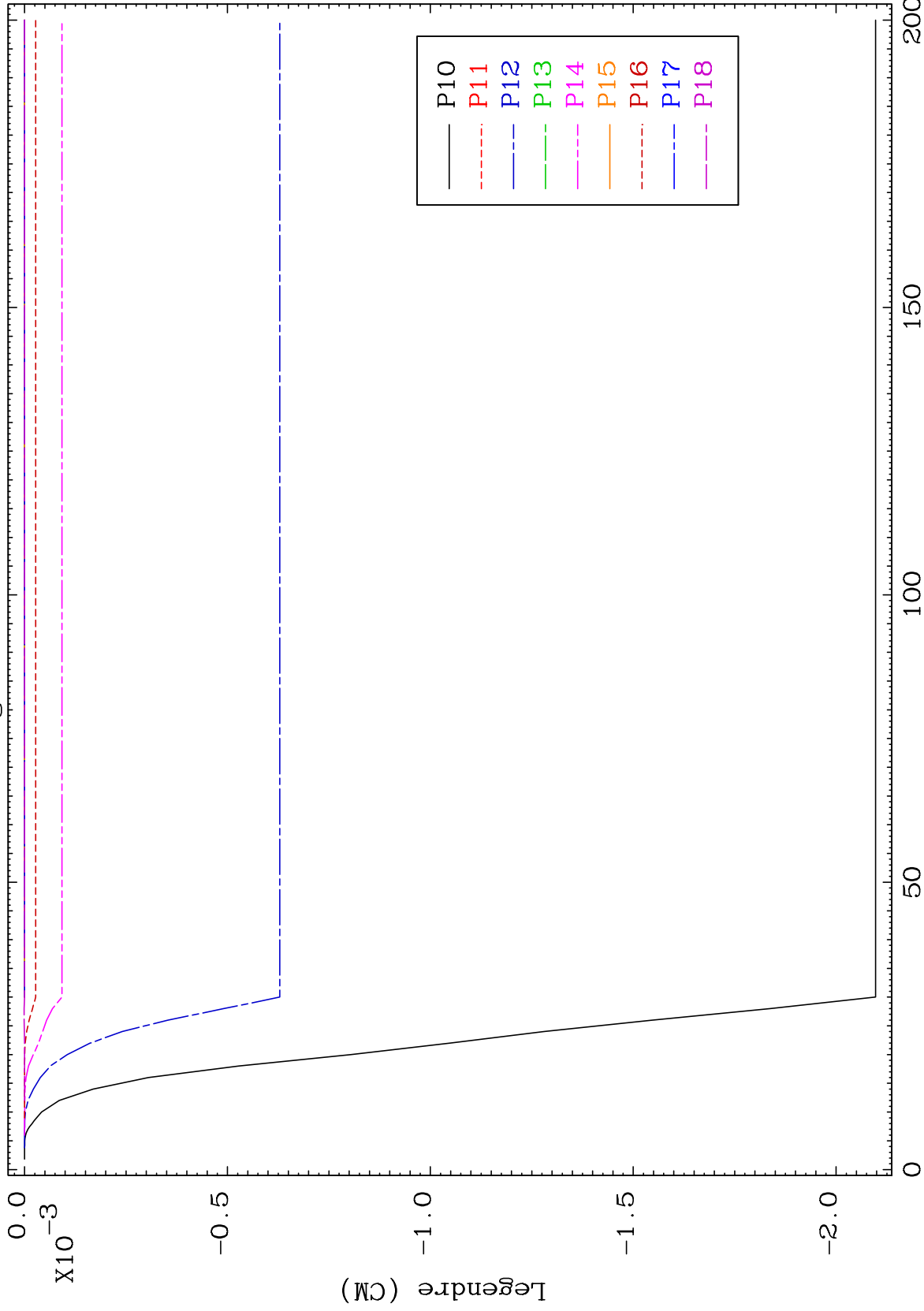
83

57-La-134

MAT 5713

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

57-La-134

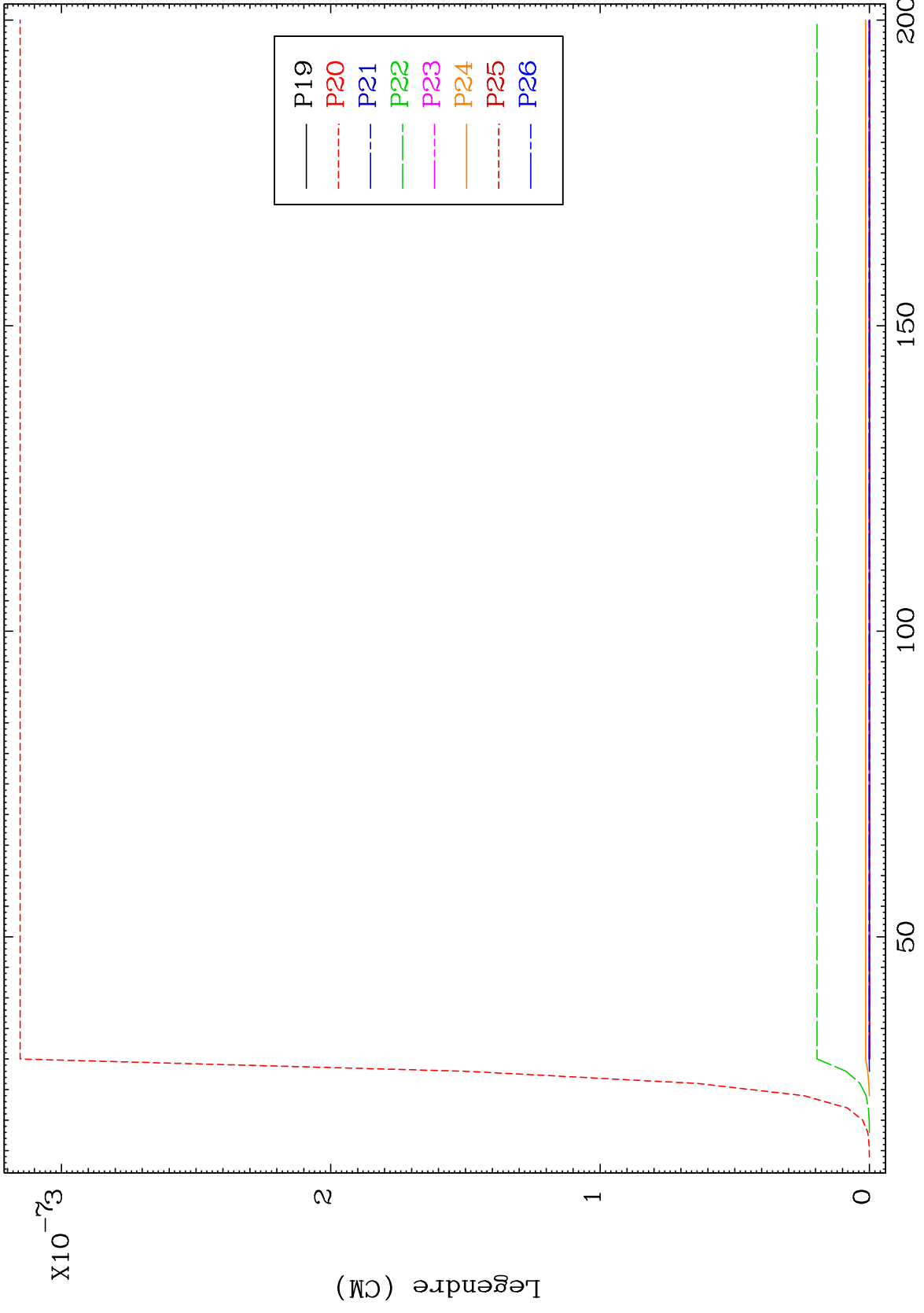


84

Incident Energy (MeV)

57-La-134

MAT 5713 MT= 70 (n,n') Level Legendre Coefficients 57-La-134

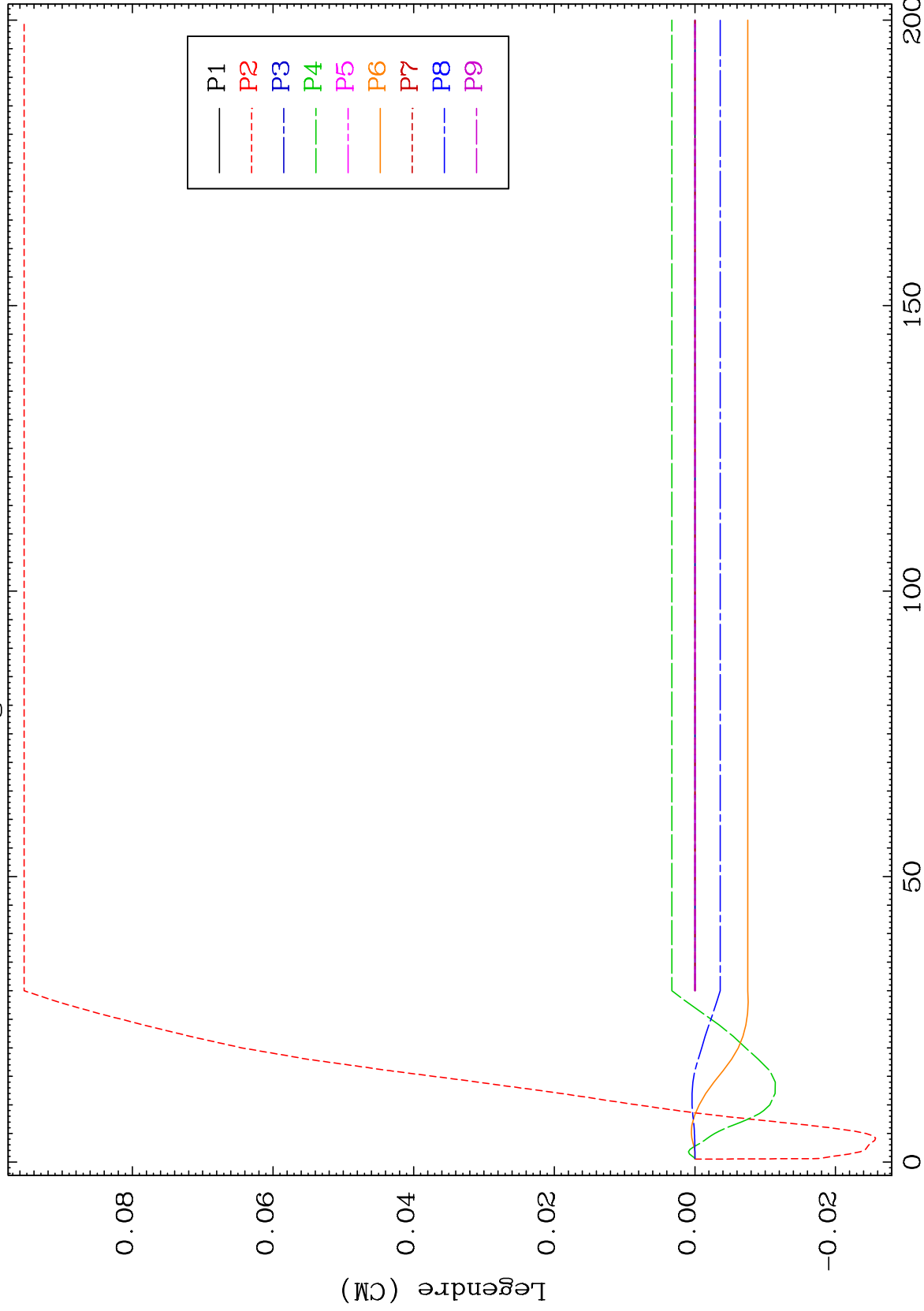


85 50 100 150 200 57-La-134

MAT 5713

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

57-La-134



86

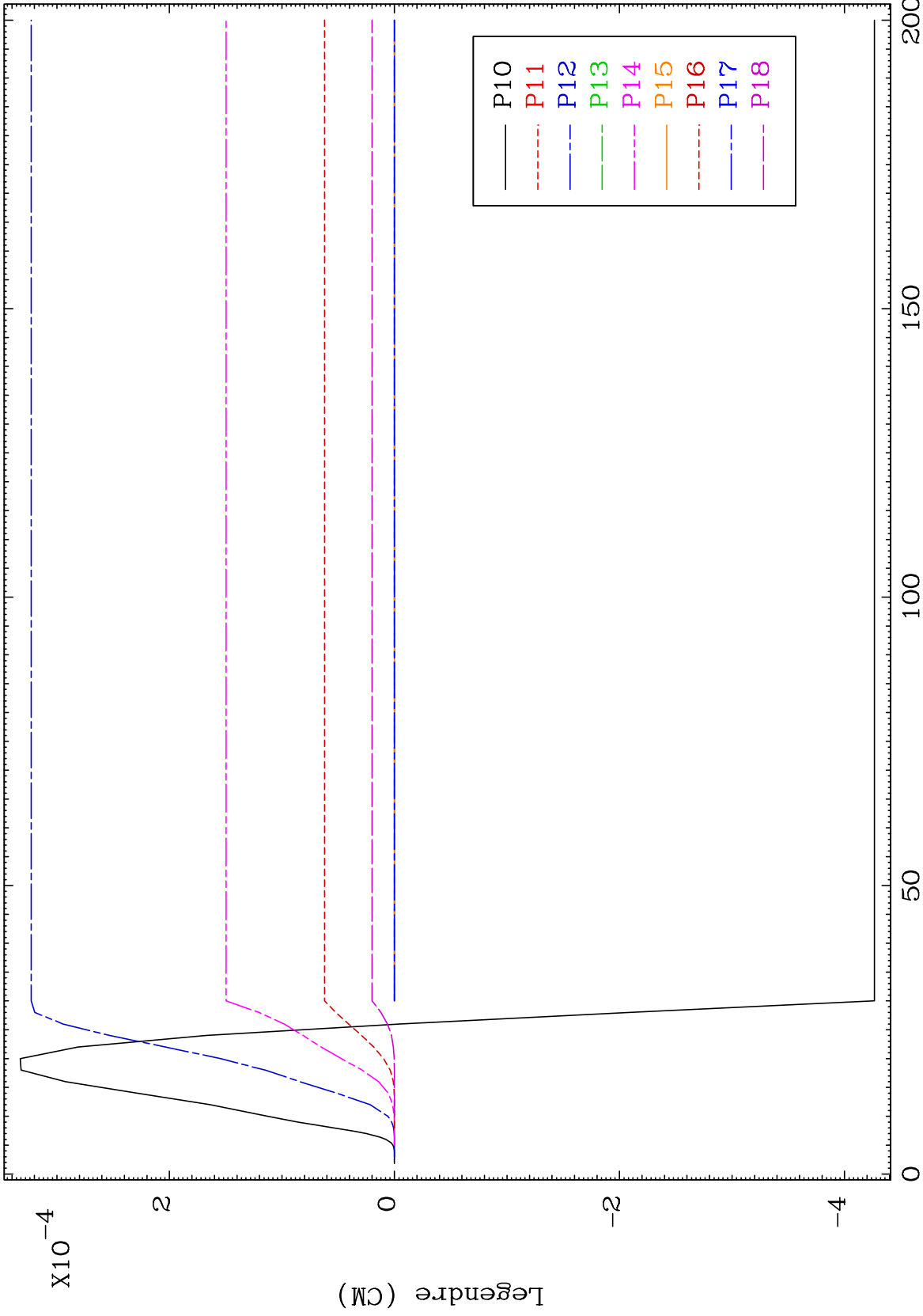
Incident Energy (MeV)

57-La-134

MAT 5713

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

57-La-134



87

Incident Energy (MeV)

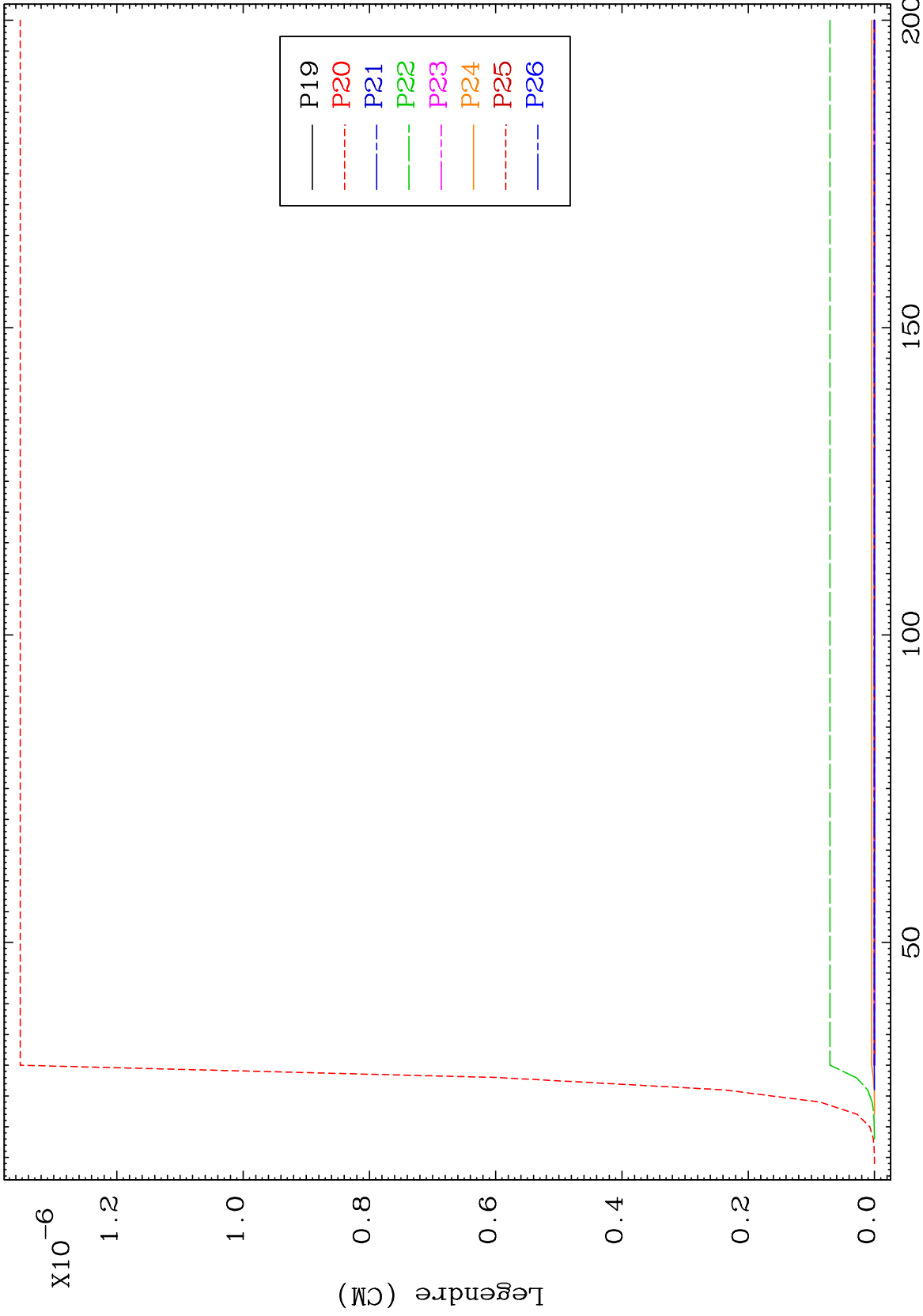
57-La-134



MAT 5713

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

57-La-134



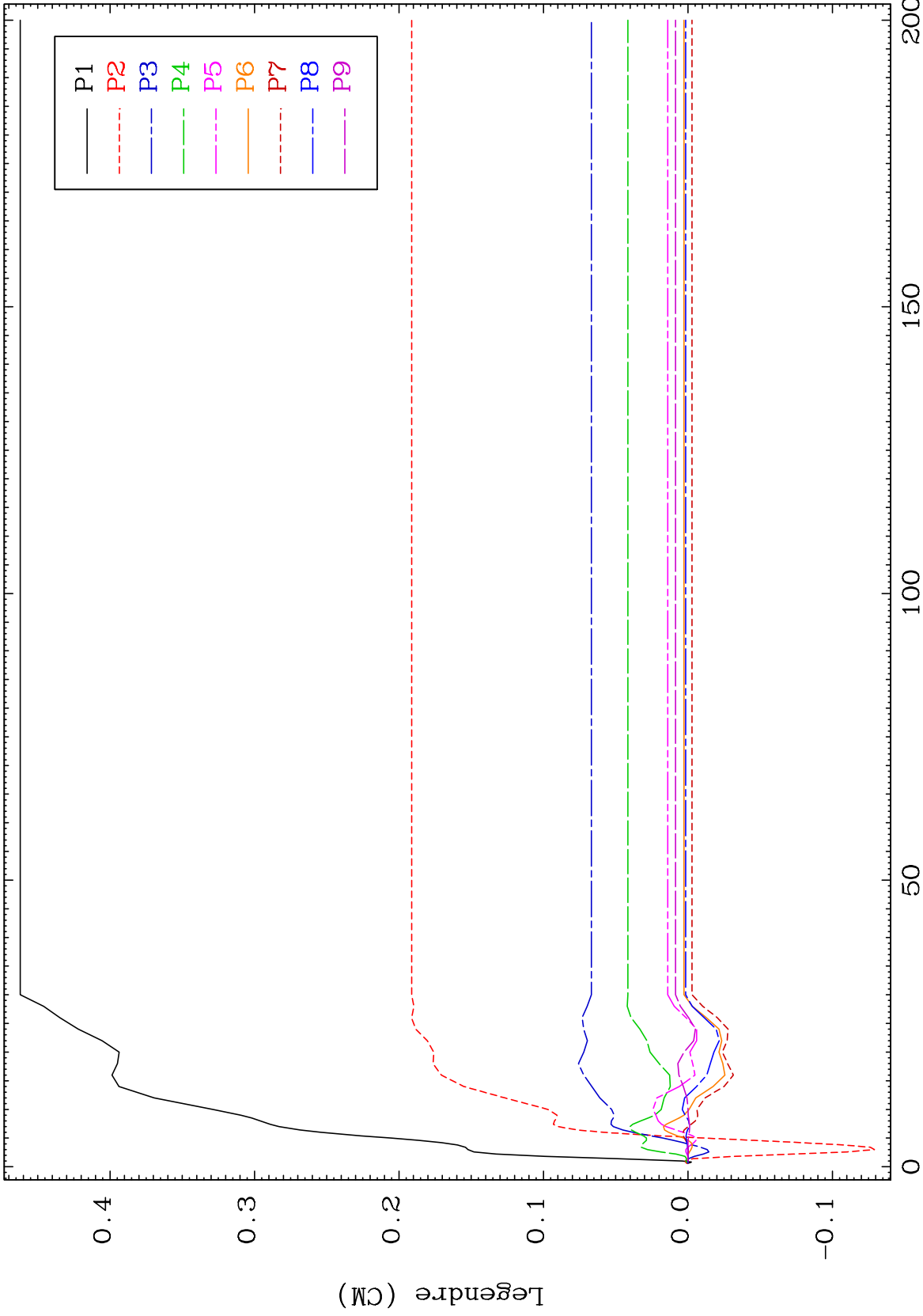
88

57-La-134

MAT 5713

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

57-La-134



89

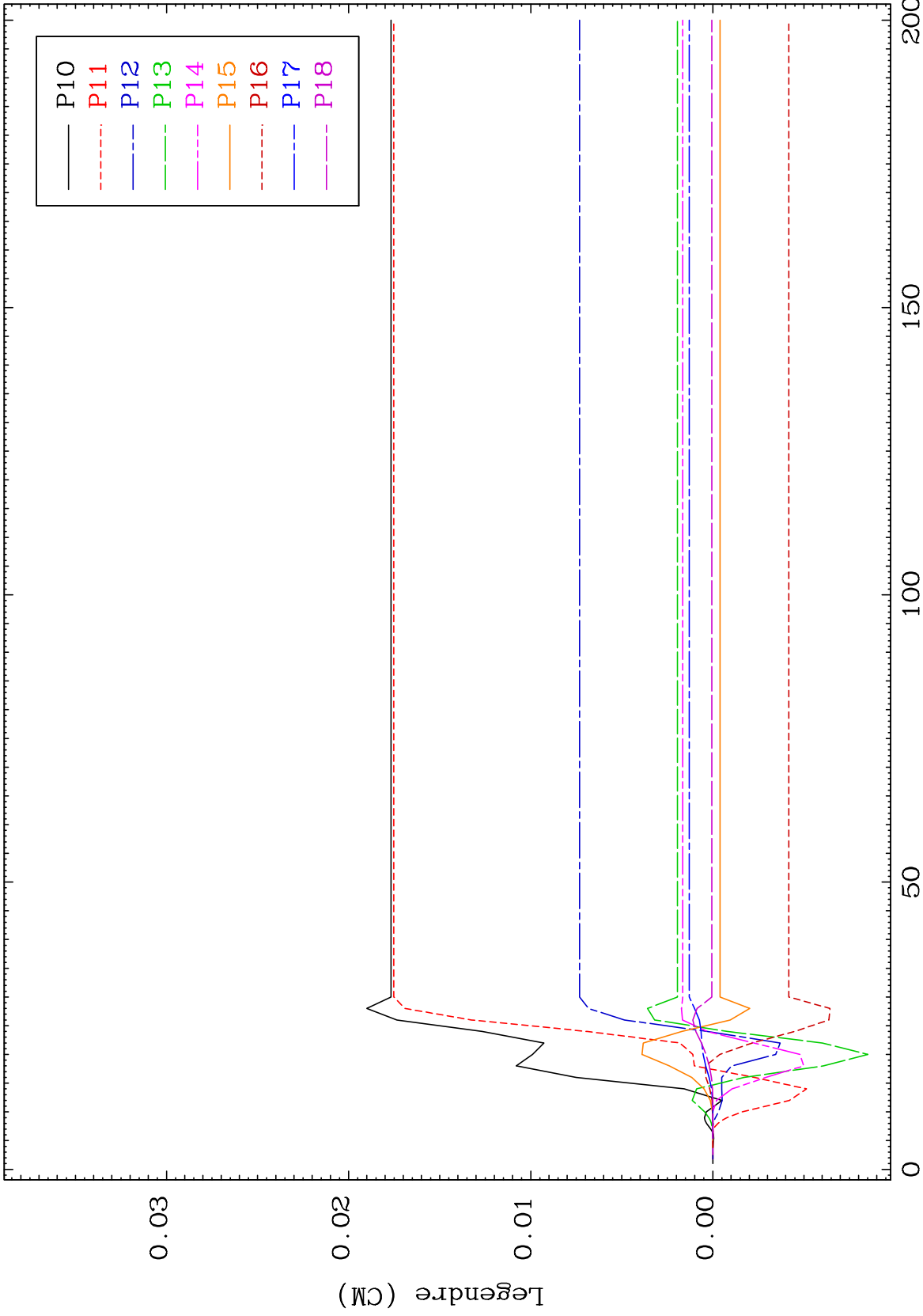
Incident Energy (MeV)

57-La-134

MAT 5713

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

57-La-134



57-La-134

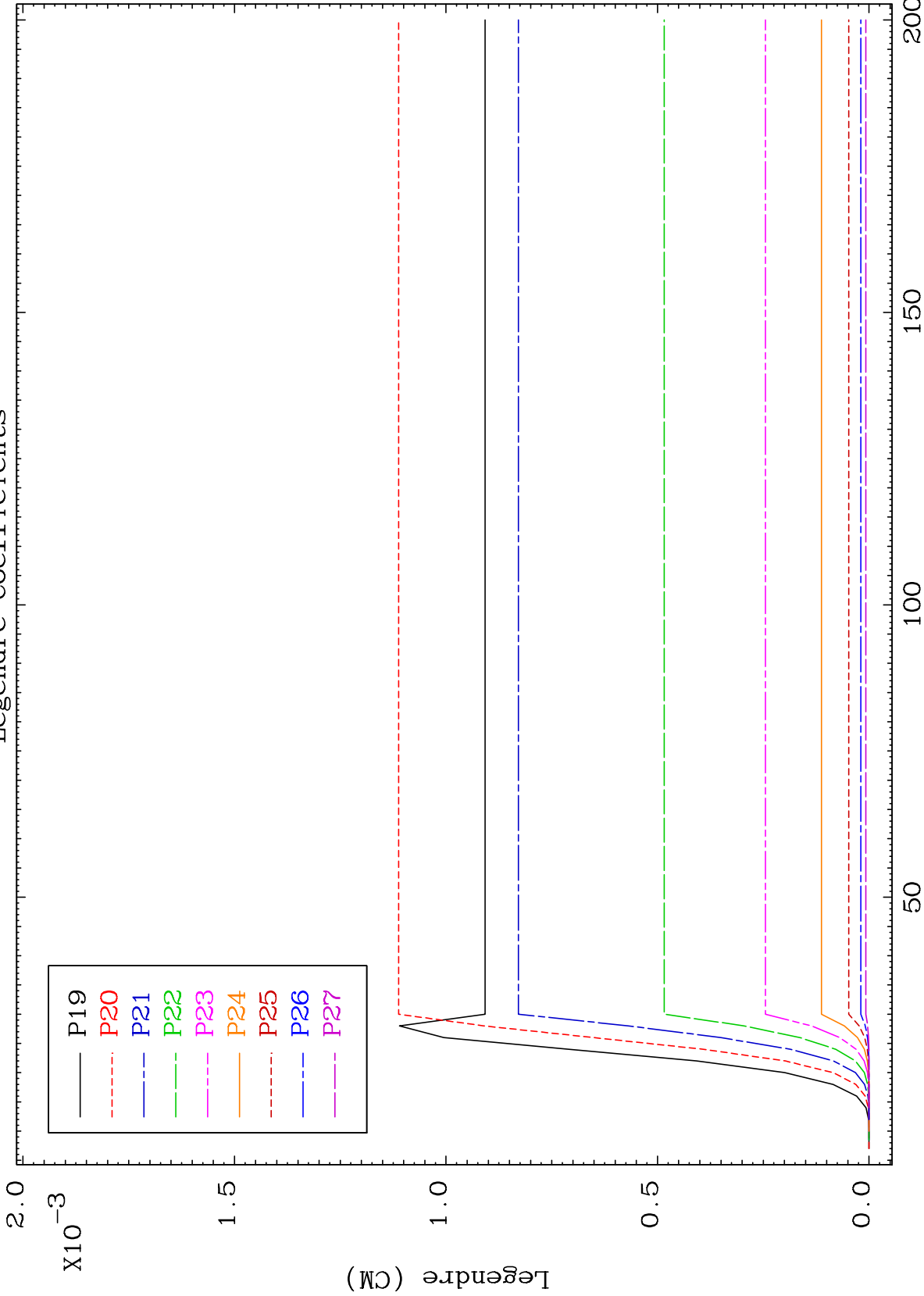
Incident Energy (MeV)

90

MAT 5713

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

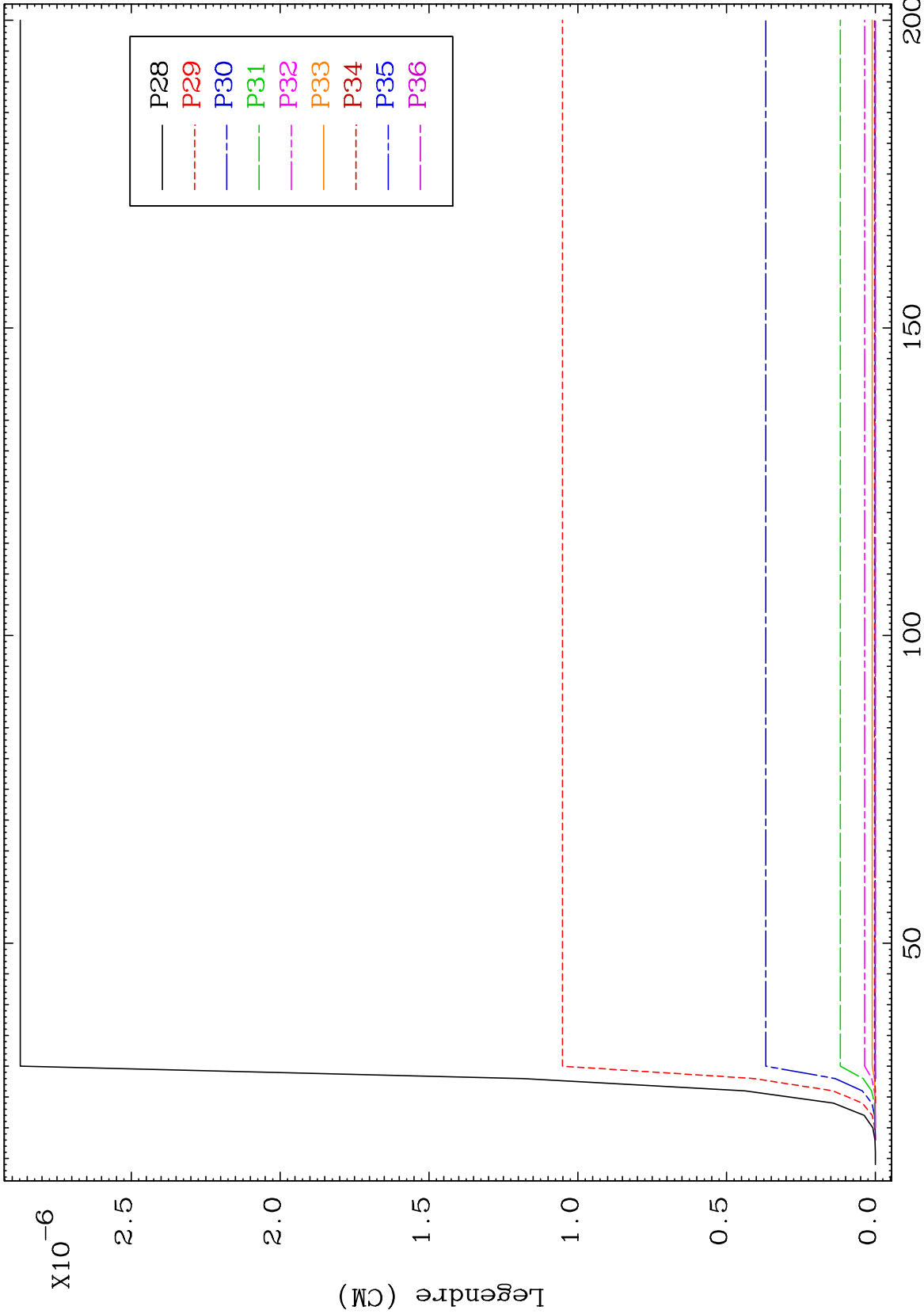
57-La-134



MAT 5713

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

57-La-134

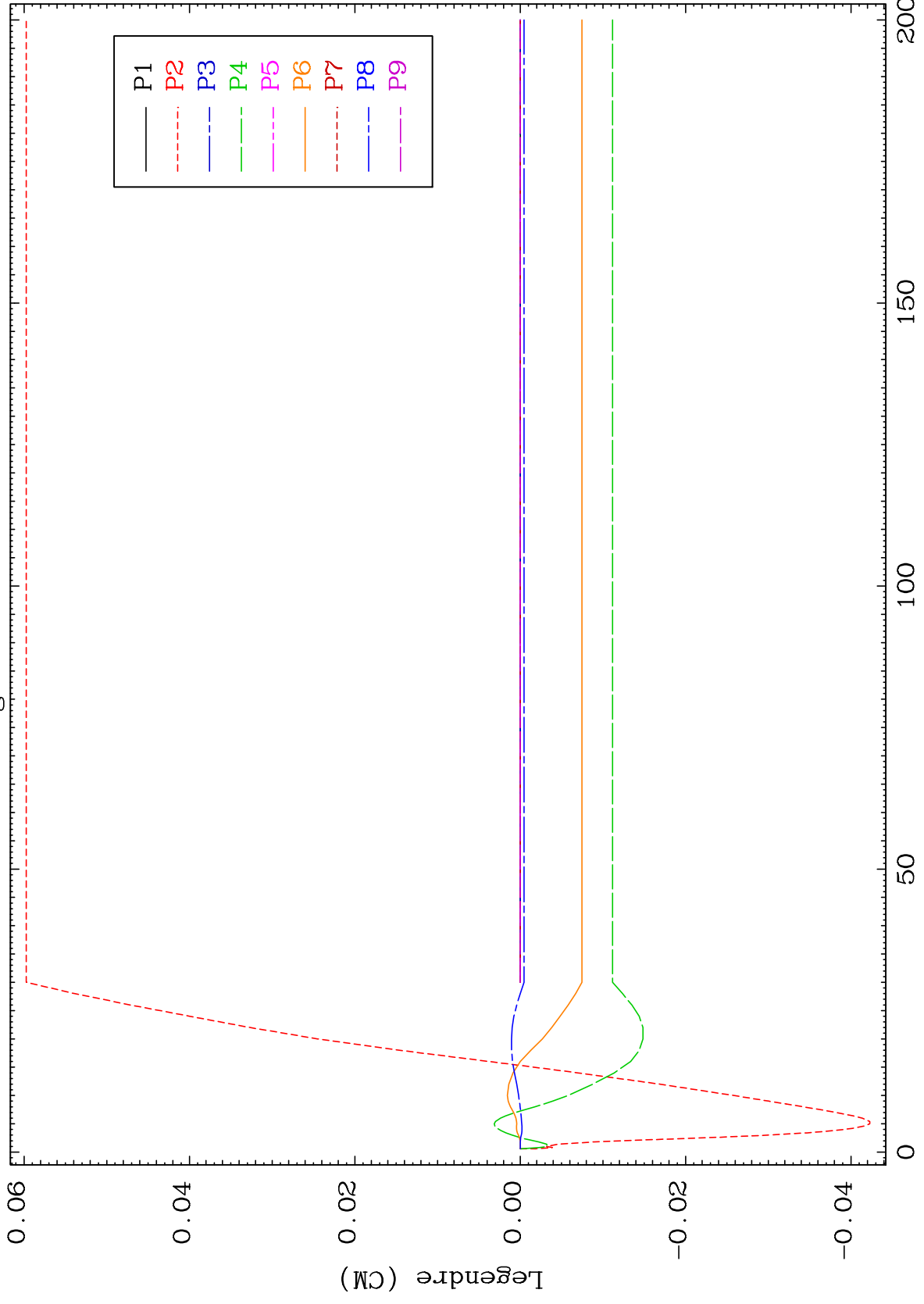


92

Incident Energy (MeV)

57-La-134

MAT 5713 MT= 73 (n,n') Level Legendre Coefficients 57-La-134

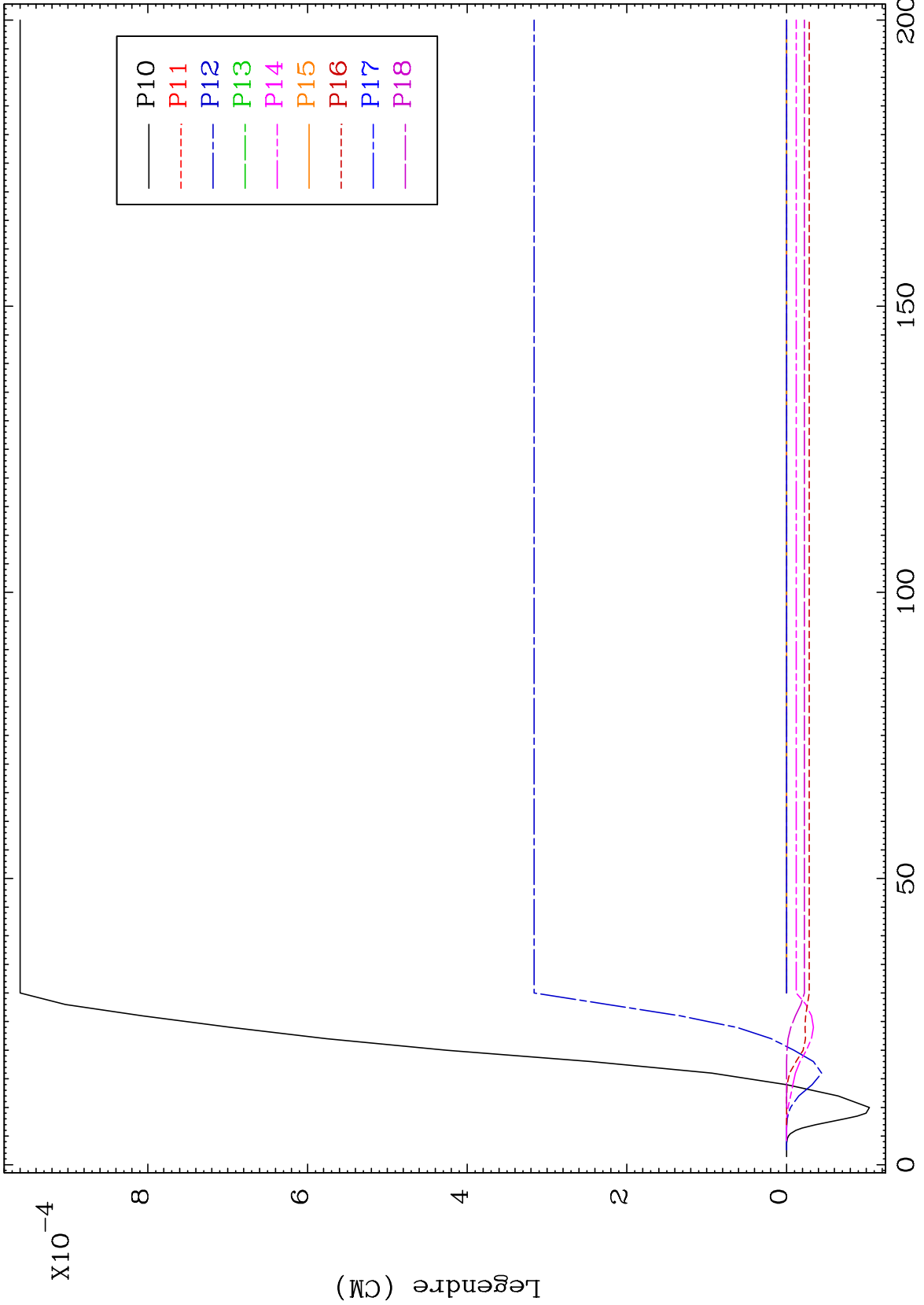


93 57-La-134

MAT 5713

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

57-La-134



94

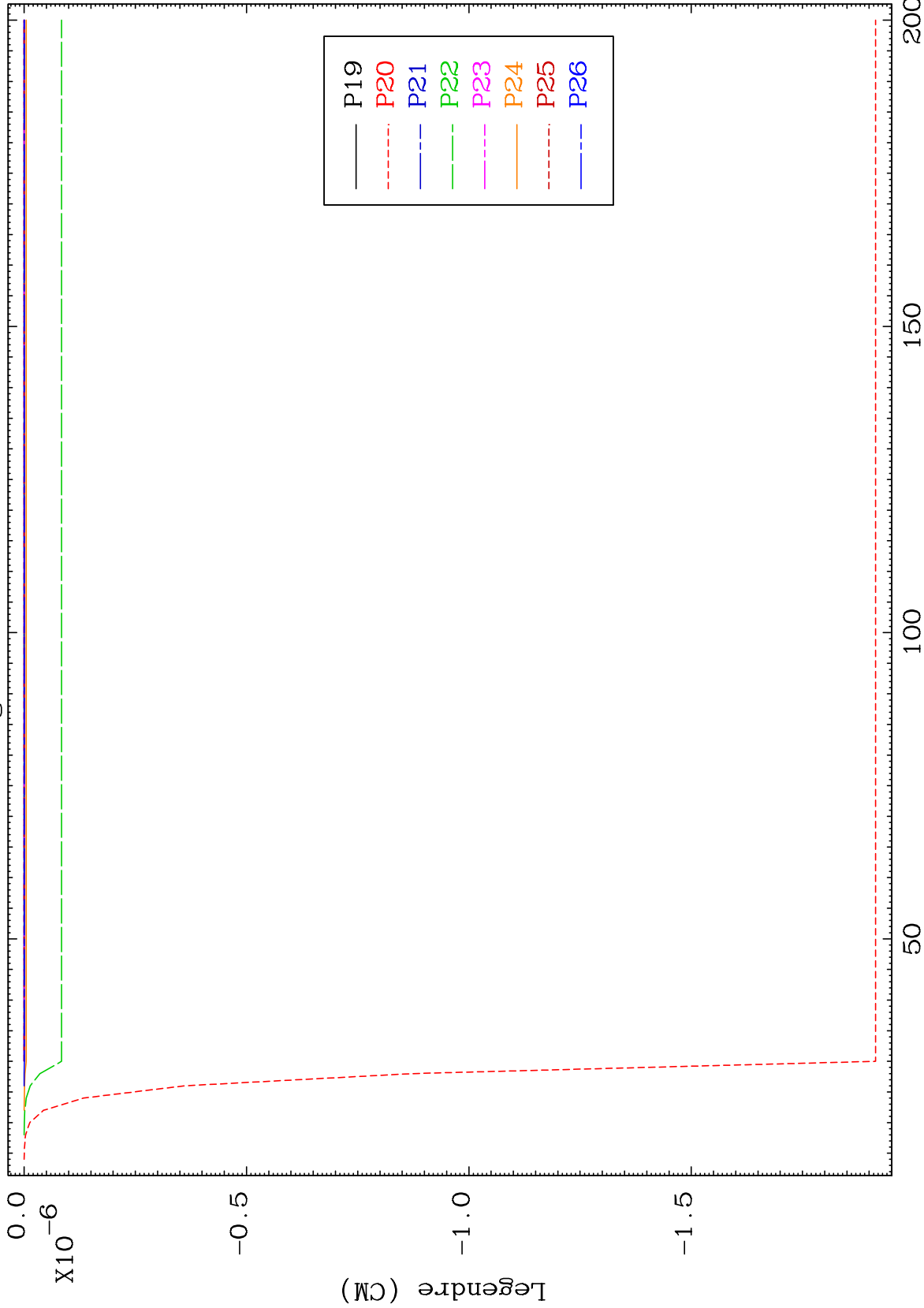
Incident Energy (MeV)

57-La-134

MAT 5713

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

57-La-134



95

Incident Energy (MeV)

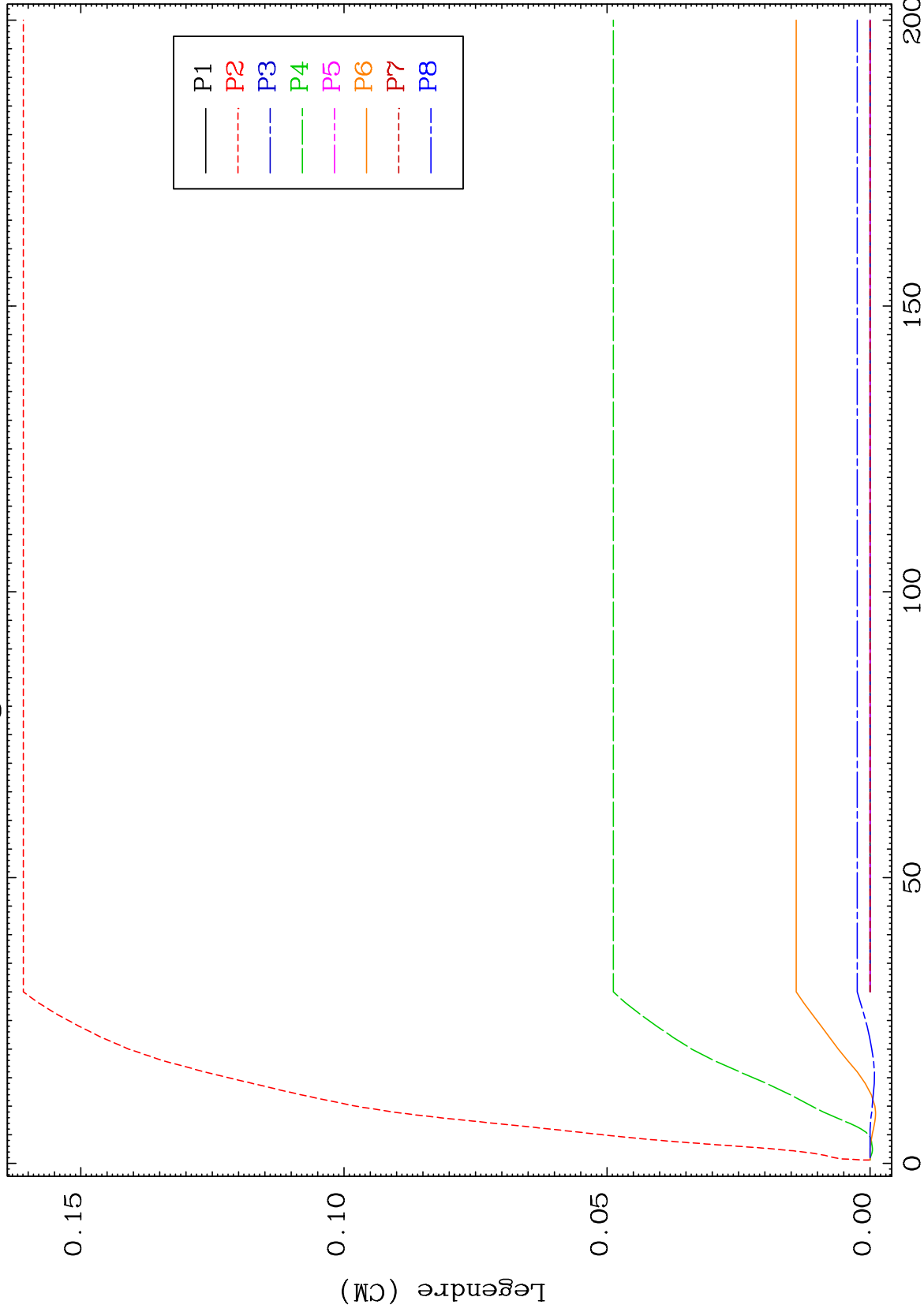
57-La-134



MAT 5713

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

57-La-134



96

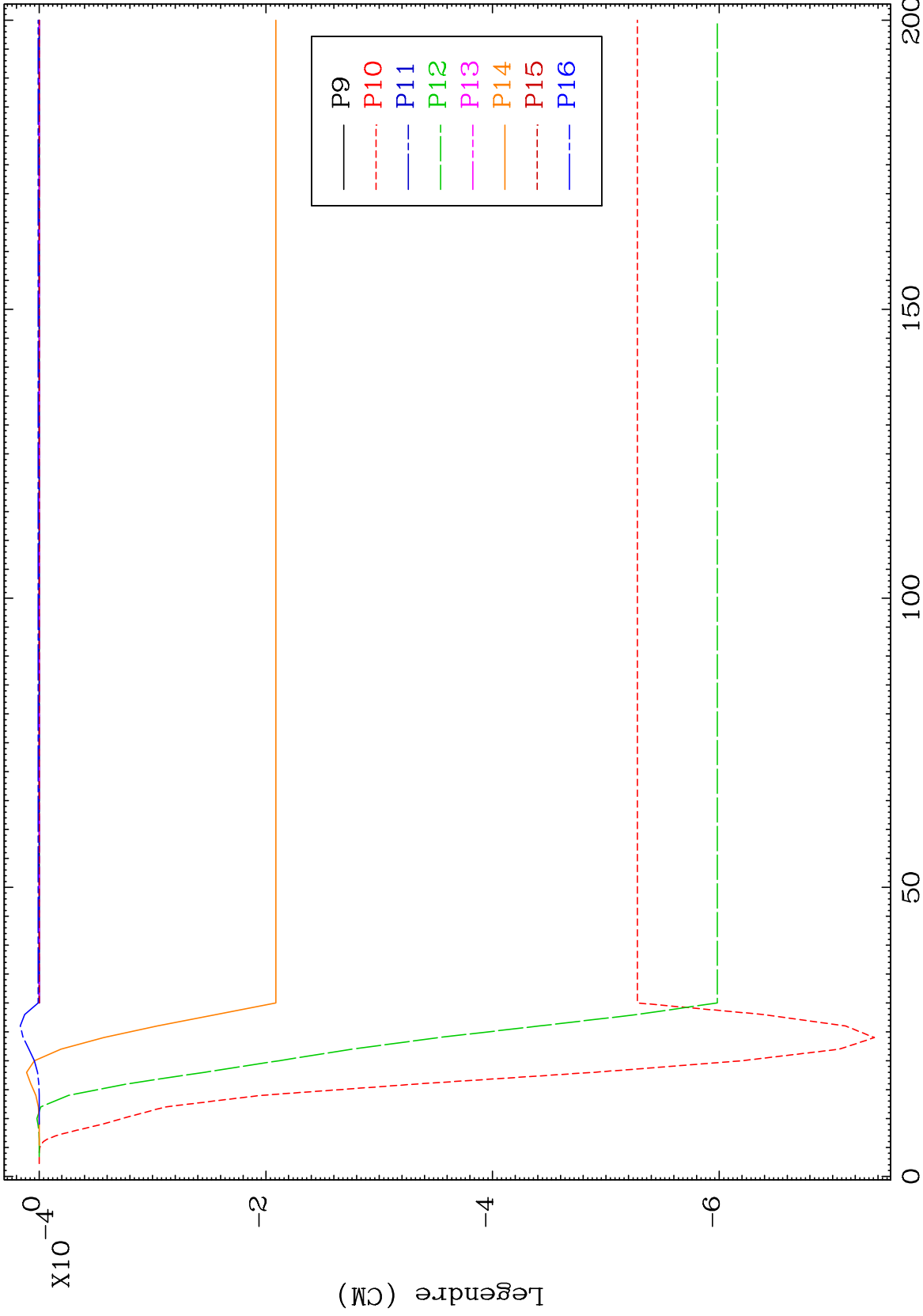
Incident Energy (MeV)

57-La-134

MAT 5713

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

57-La-134



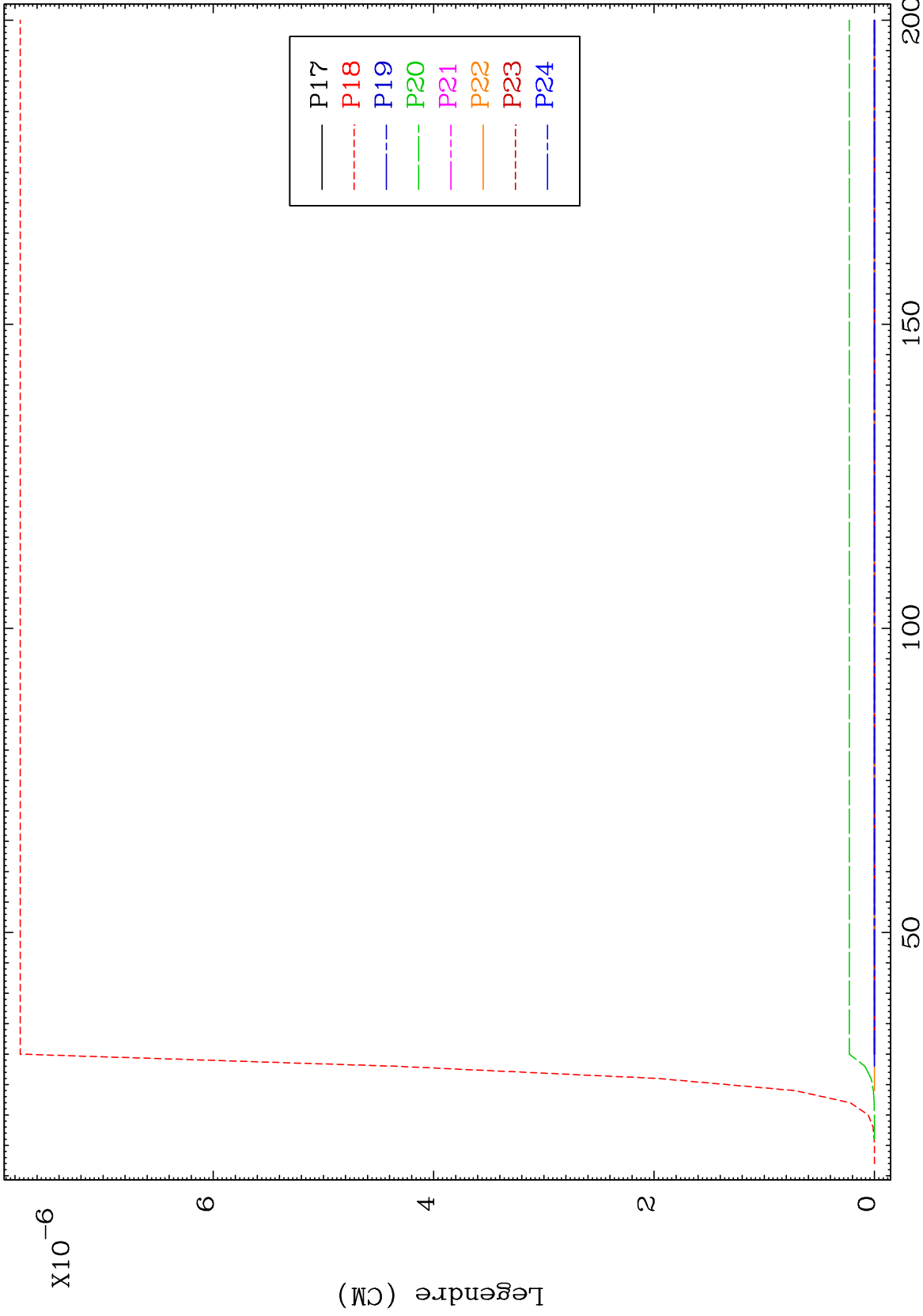
97

57-La-134

MAT 5713

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

57-La-134



98

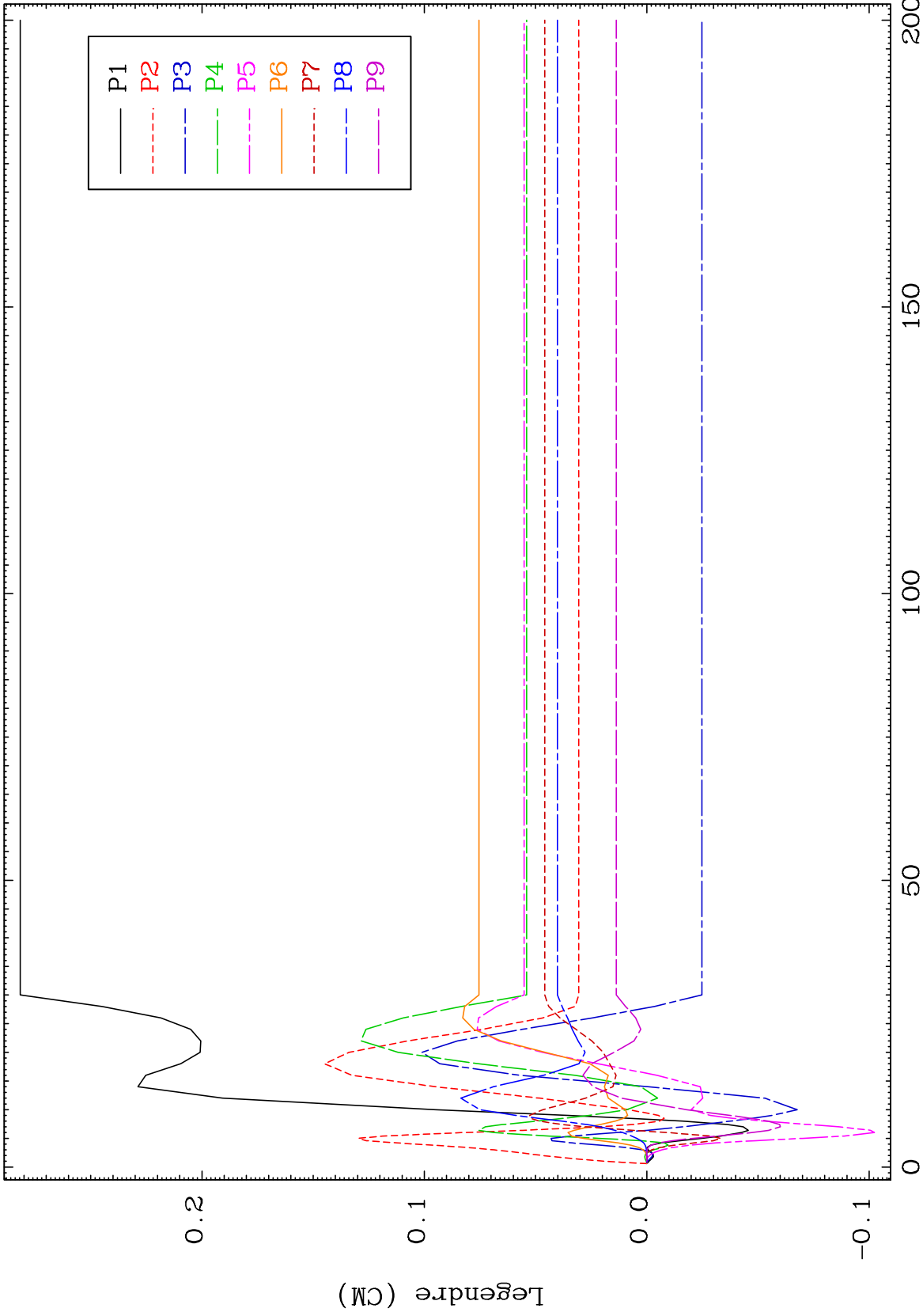
Incident Energy (MeV)

57-La-134

MAT 5713

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

57-La-134



99

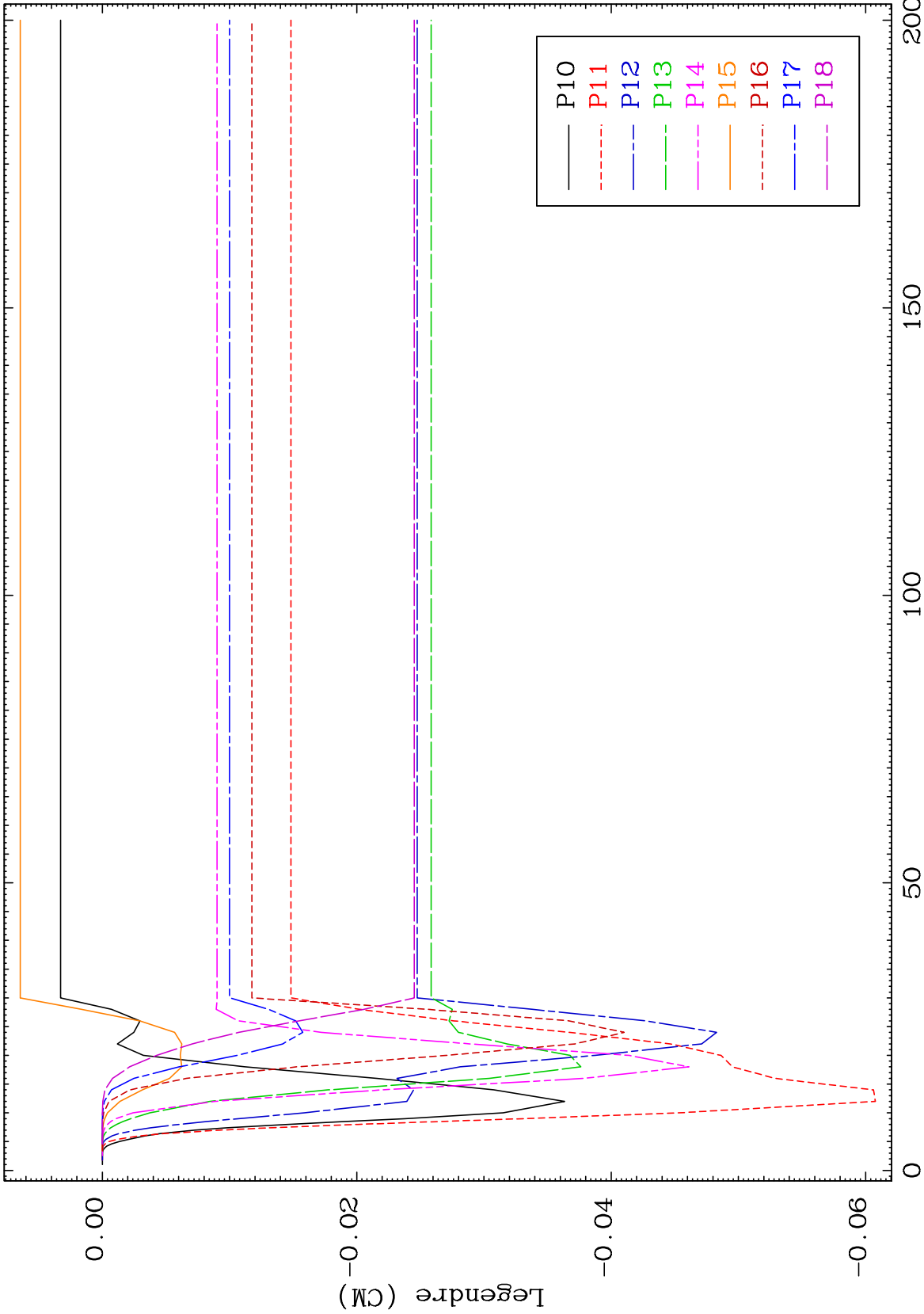
Incident Energy (MeV)

57-La-134

MAT 5713

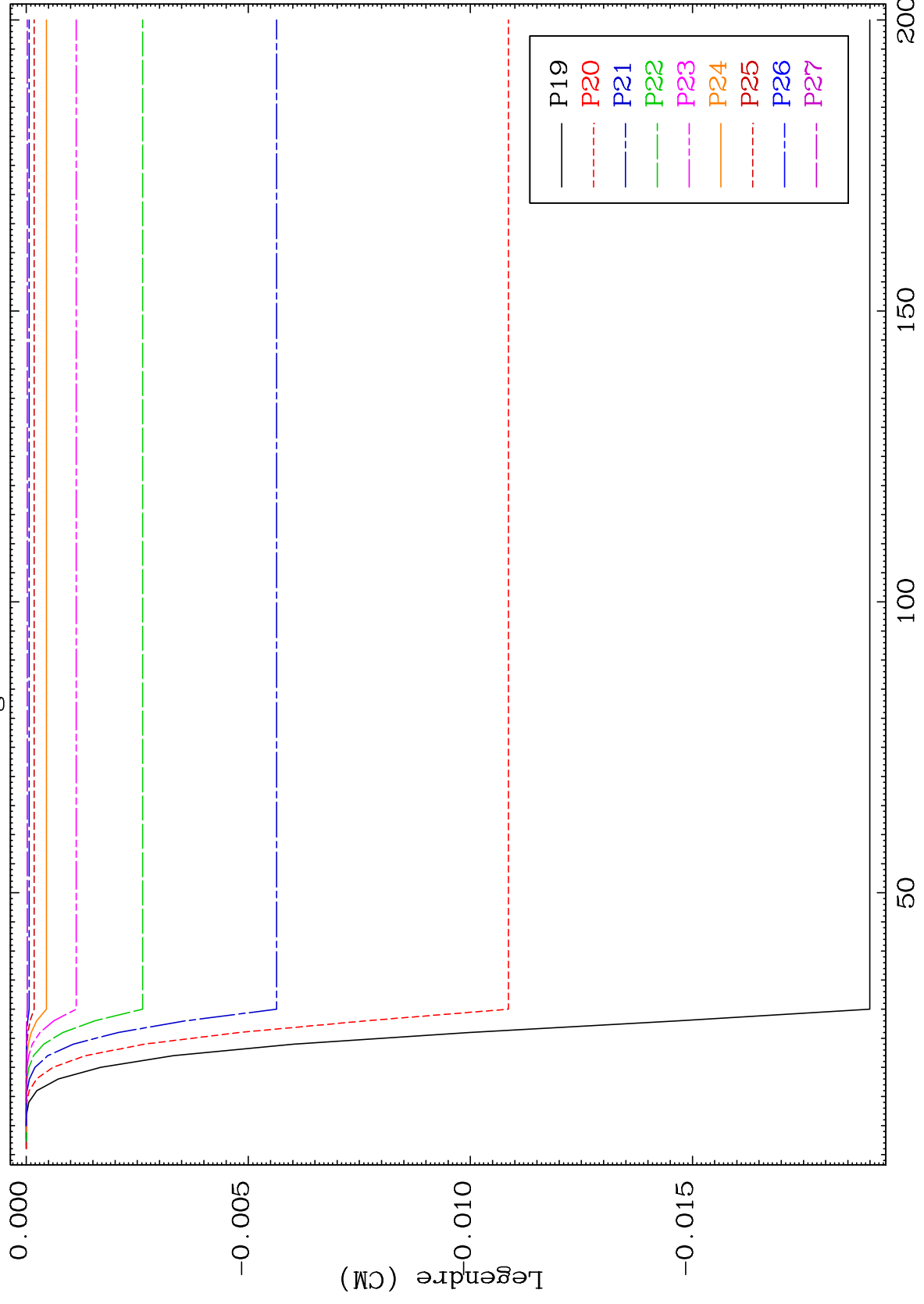
MT= 75 (n,n') Level  
Legendre Coefficients

57-La-134



57-La-134

MAT 5713 MT= 75 (n,n') Level Legendre Coefficients 57-La-134

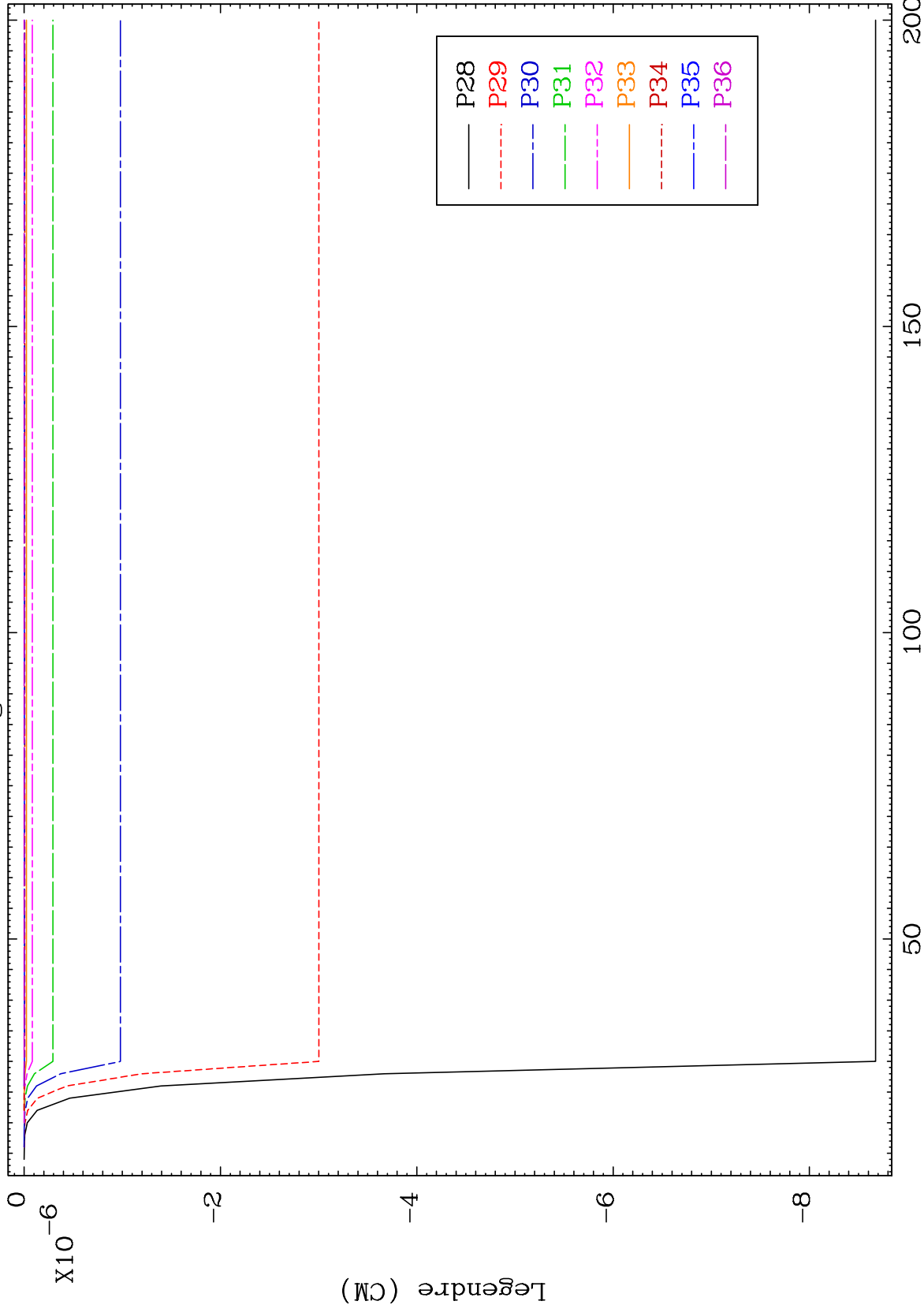


101 57-La-134

MAT 5713

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

57-La-134



57-La-134

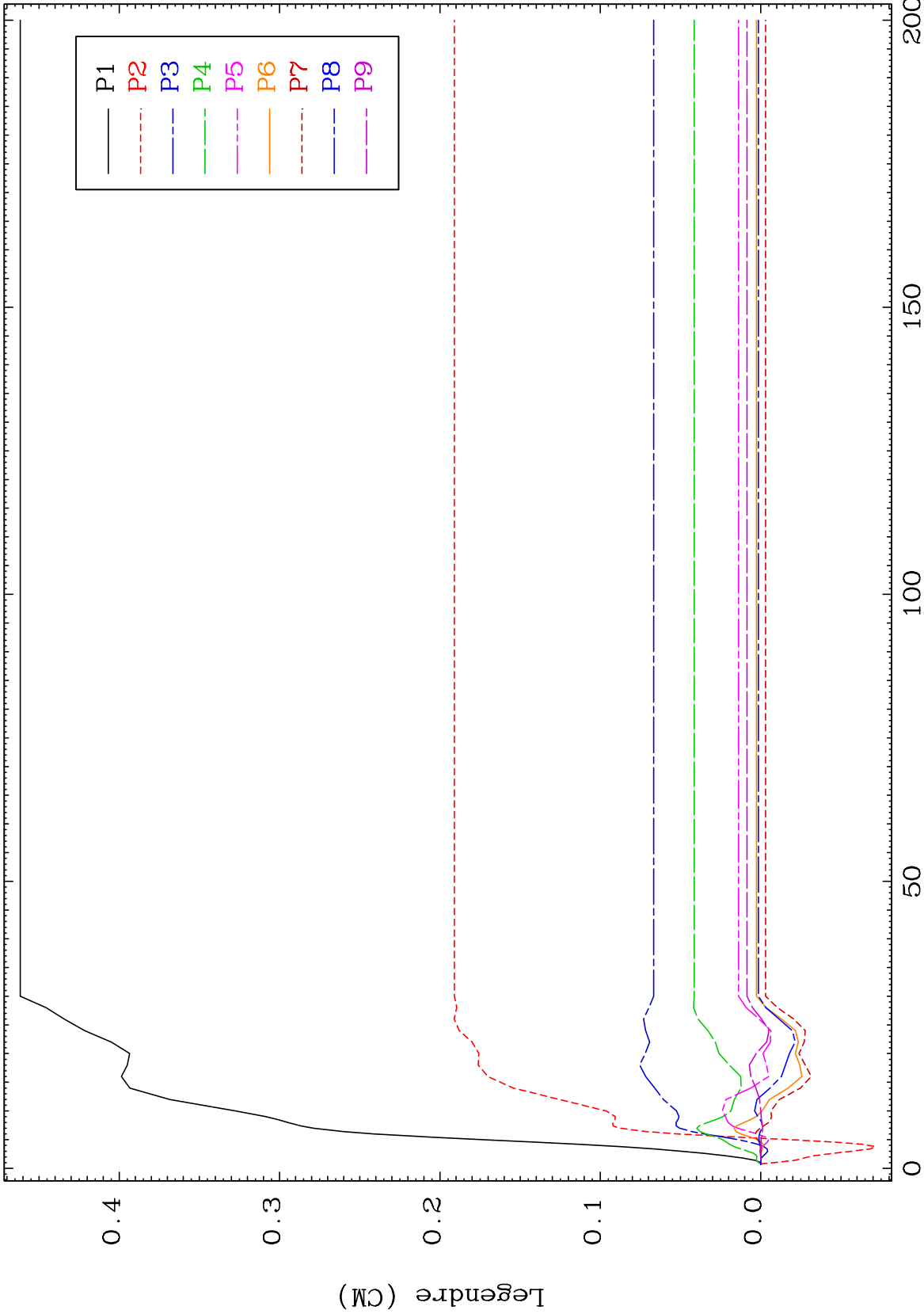
Incident Energy (MeV)

102

MAT 5713

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

57-La-134



57-La-134

Incident Energy (MeV)

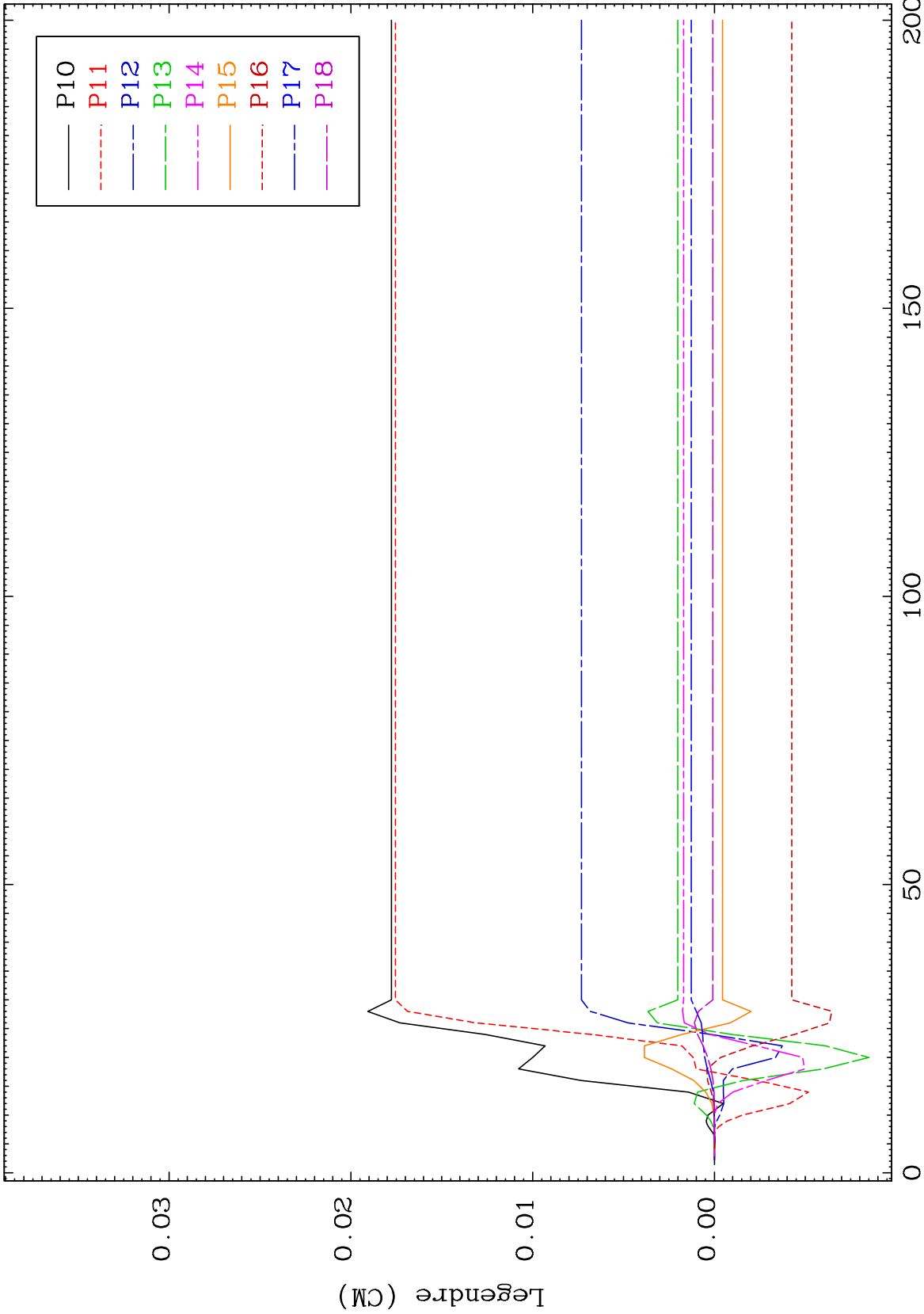
103



MAT 5713

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

57-La-134

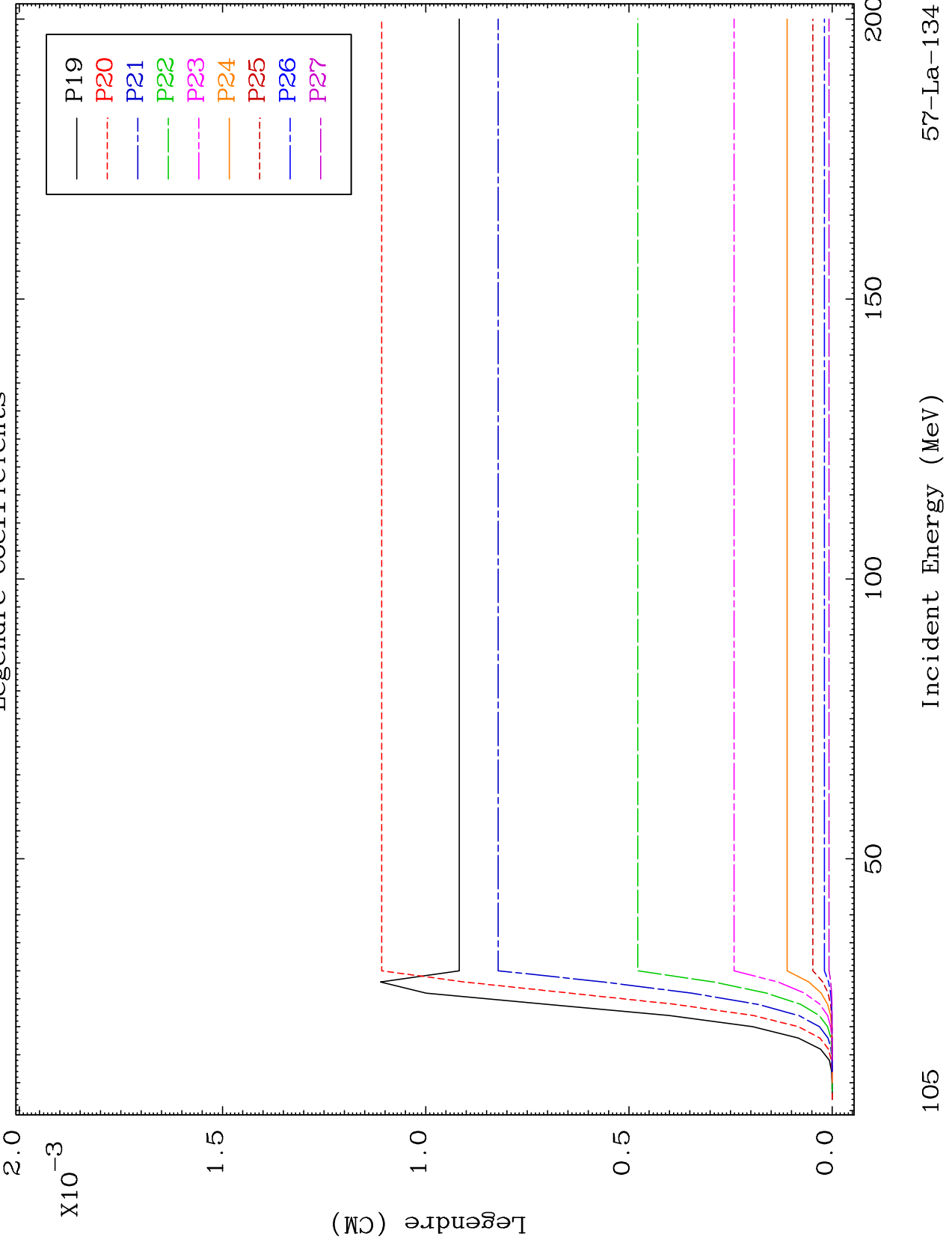


104

Incident Energy (MeV)

57-La-134

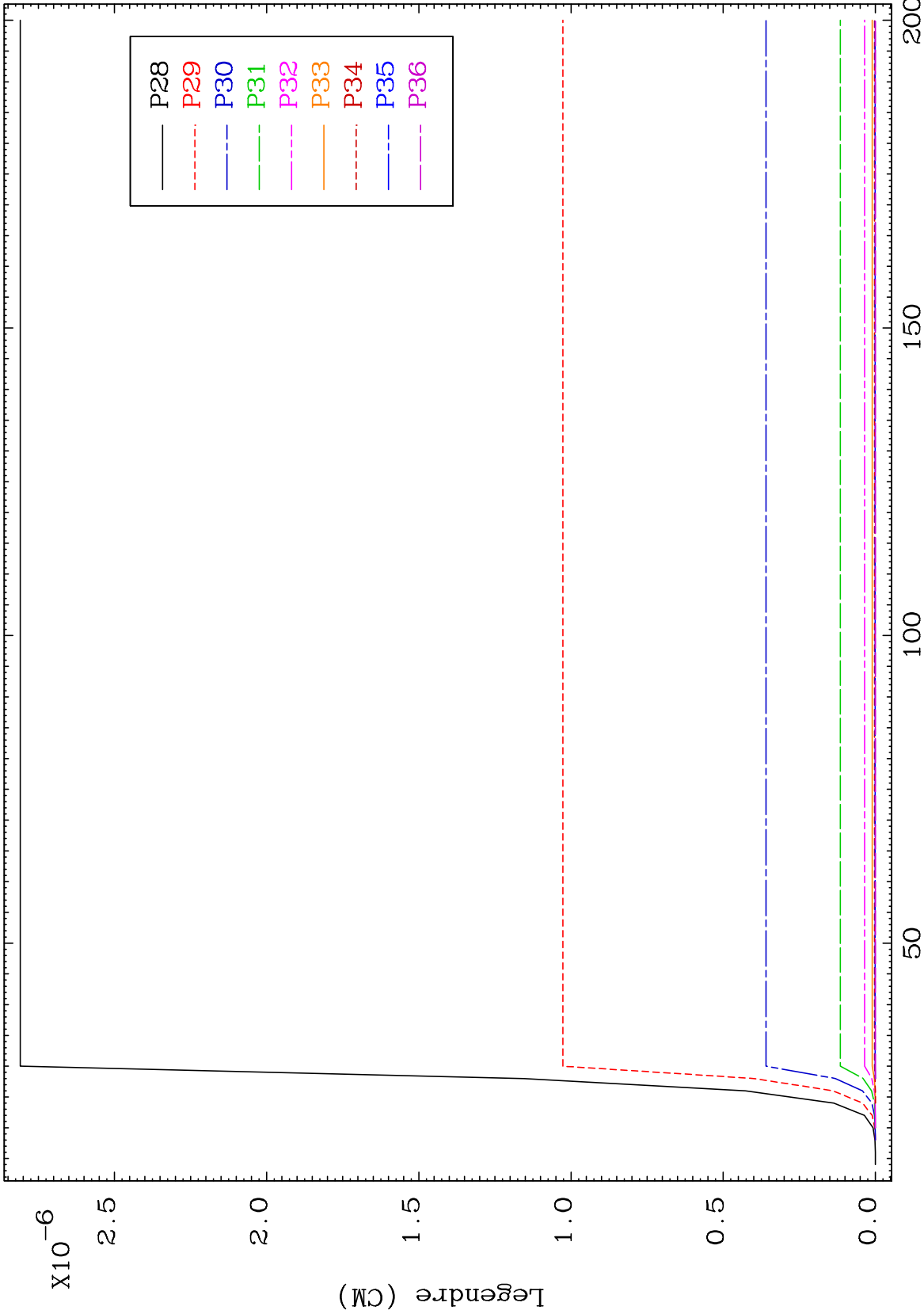
MAT 5713 MT= 76 (n,n') Level Legendre Coefficients 57-La-134



MAT 5713

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

57-La-134



106

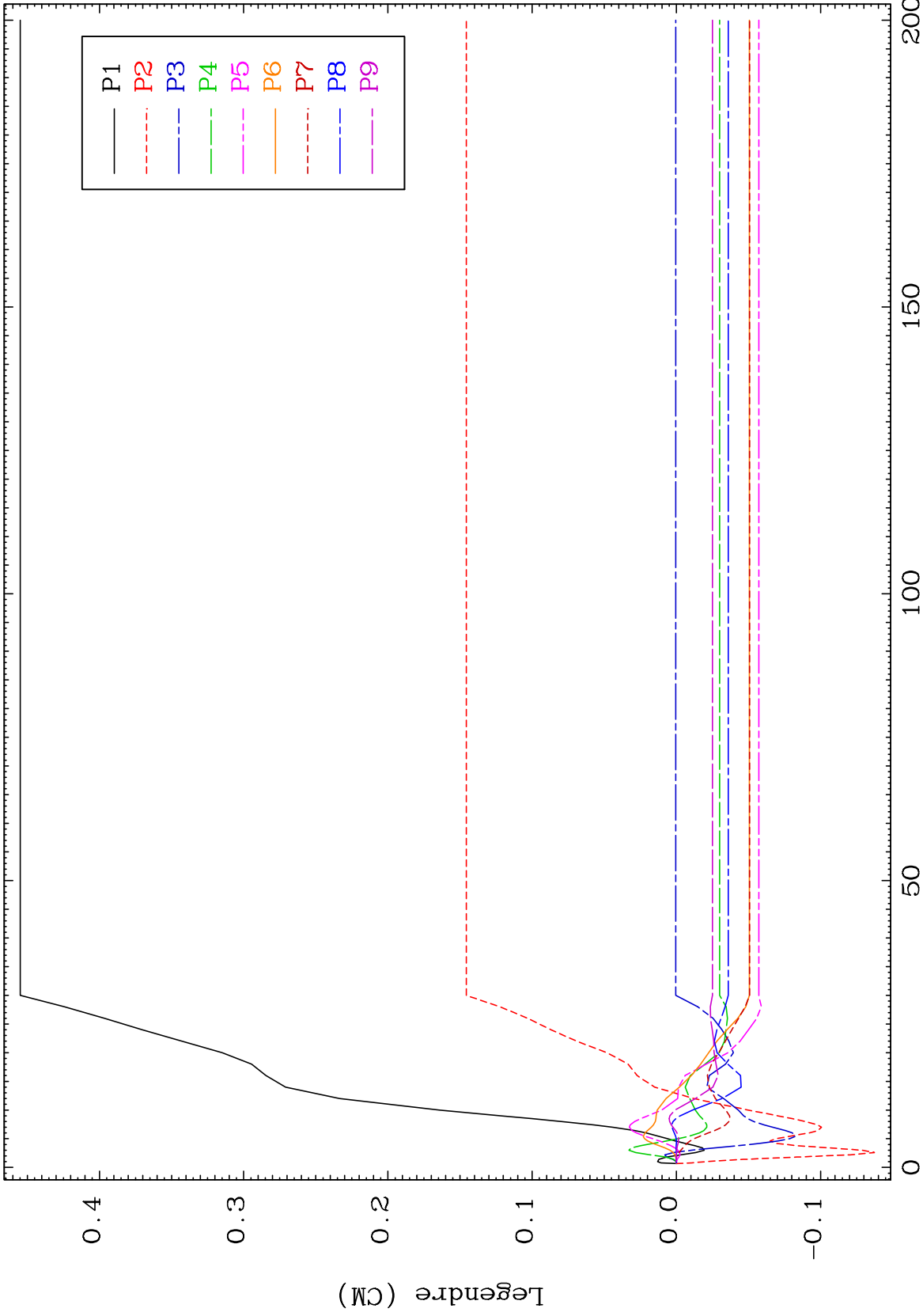
Incident Energy (MeV)

57-La-134

MAT 5713

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

57-La-134



107

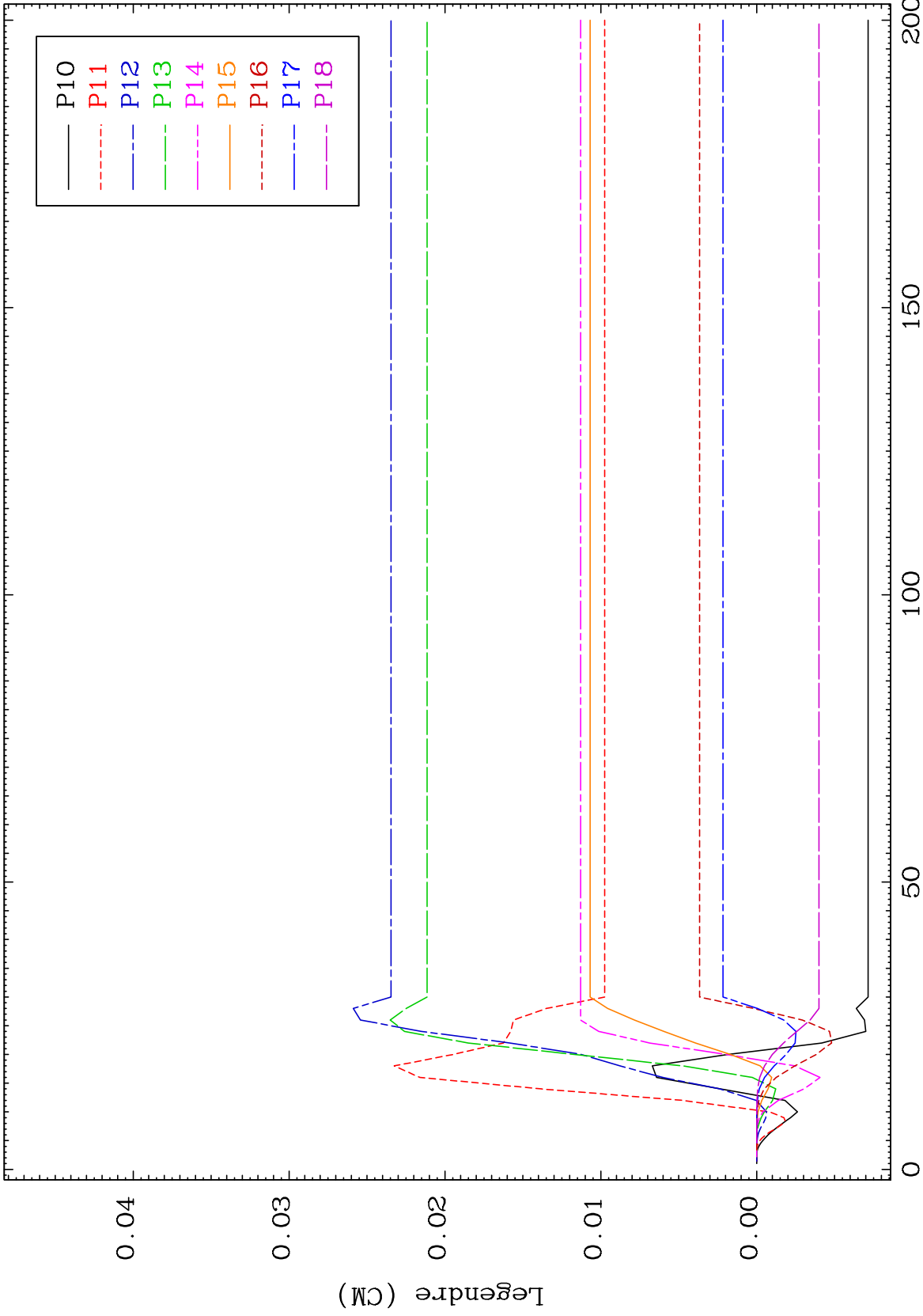
Incident Energy (MeV)

57-La-134

MAT 5713

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

57-La-134



108

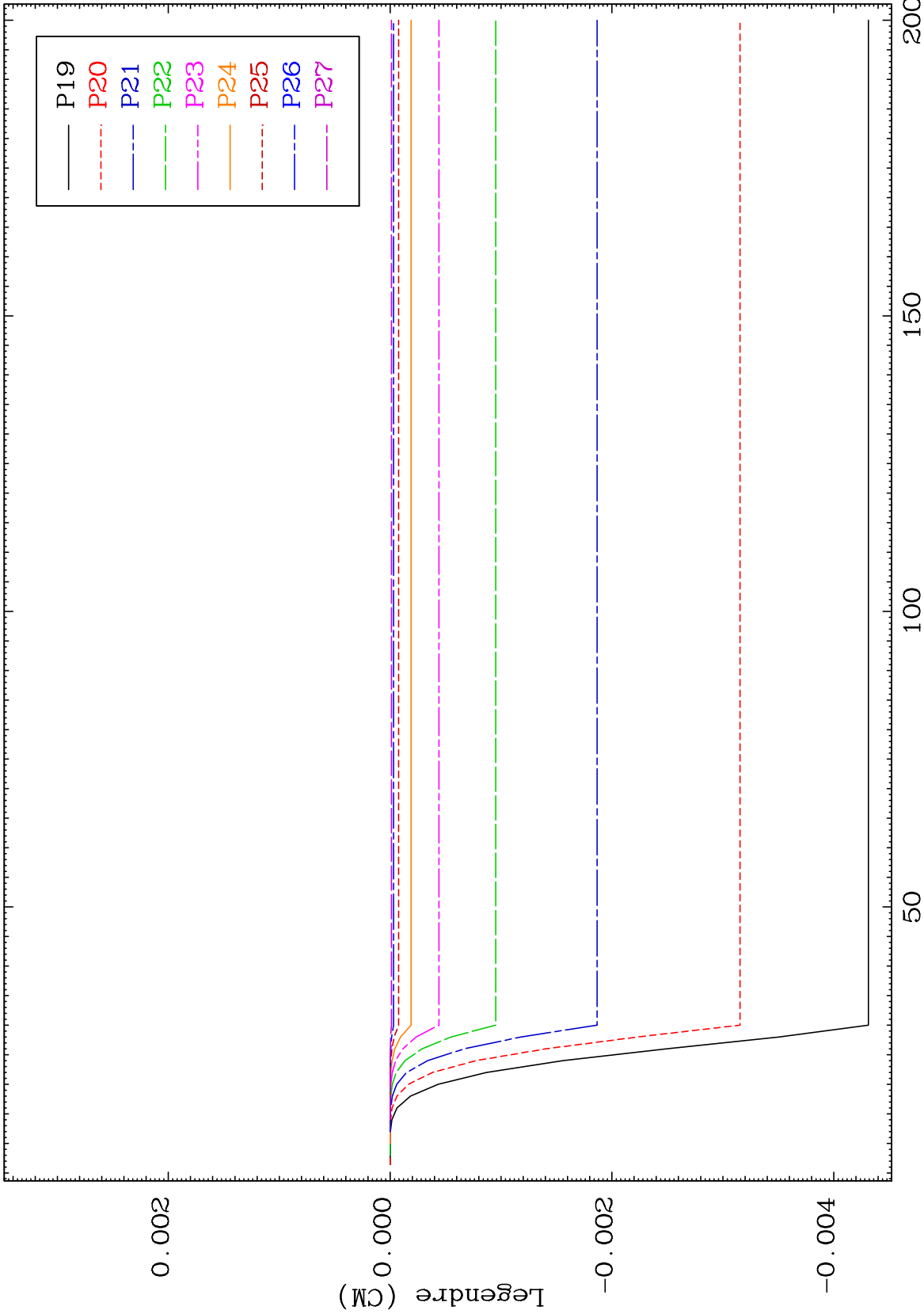
Incident Energy (MeV)

57-La-134

MAT 5713

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

57-La-134



109

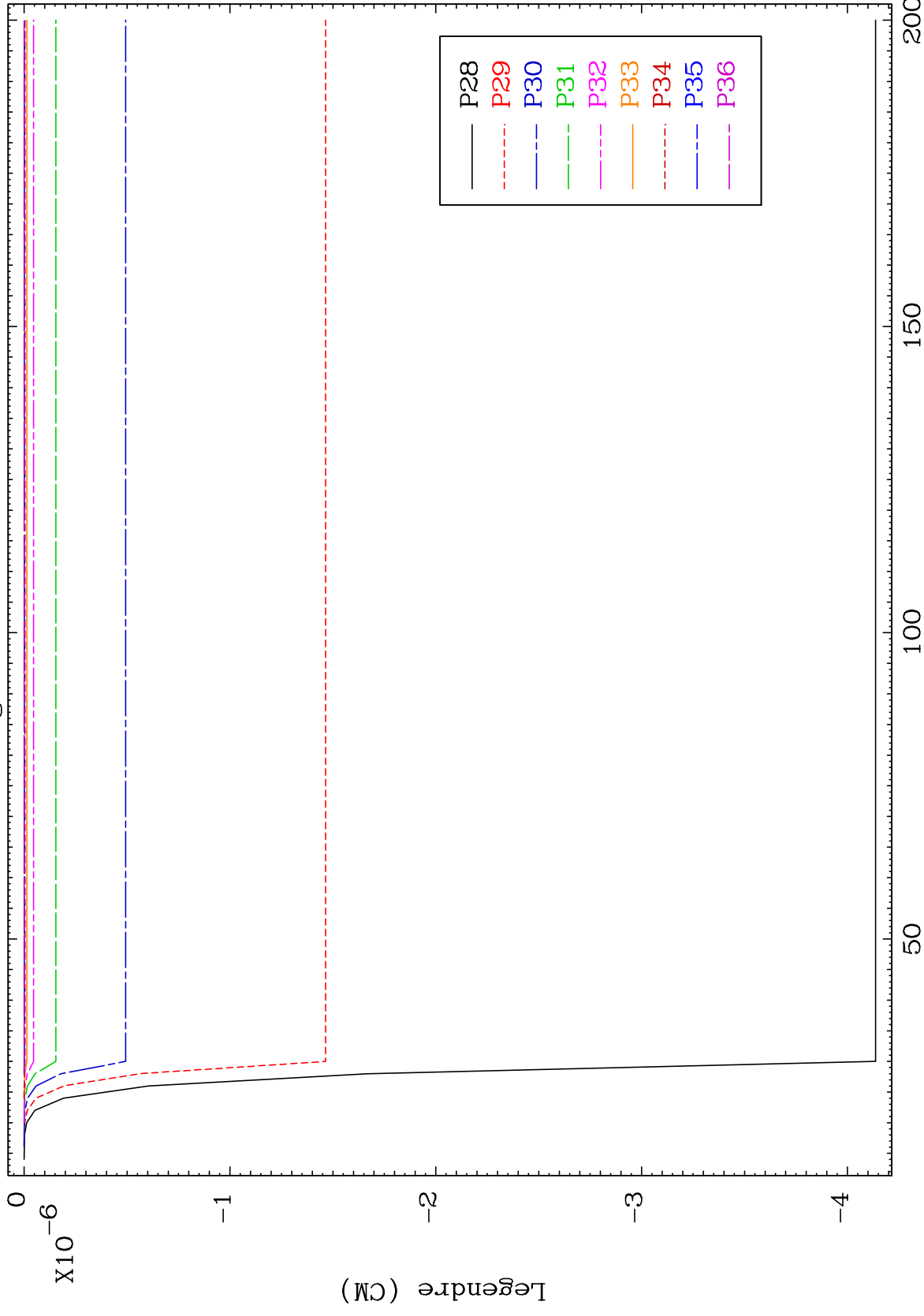
Incident Energy (MeV)

57-La-134

MAT 5713

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

57-La-134



57-La-134

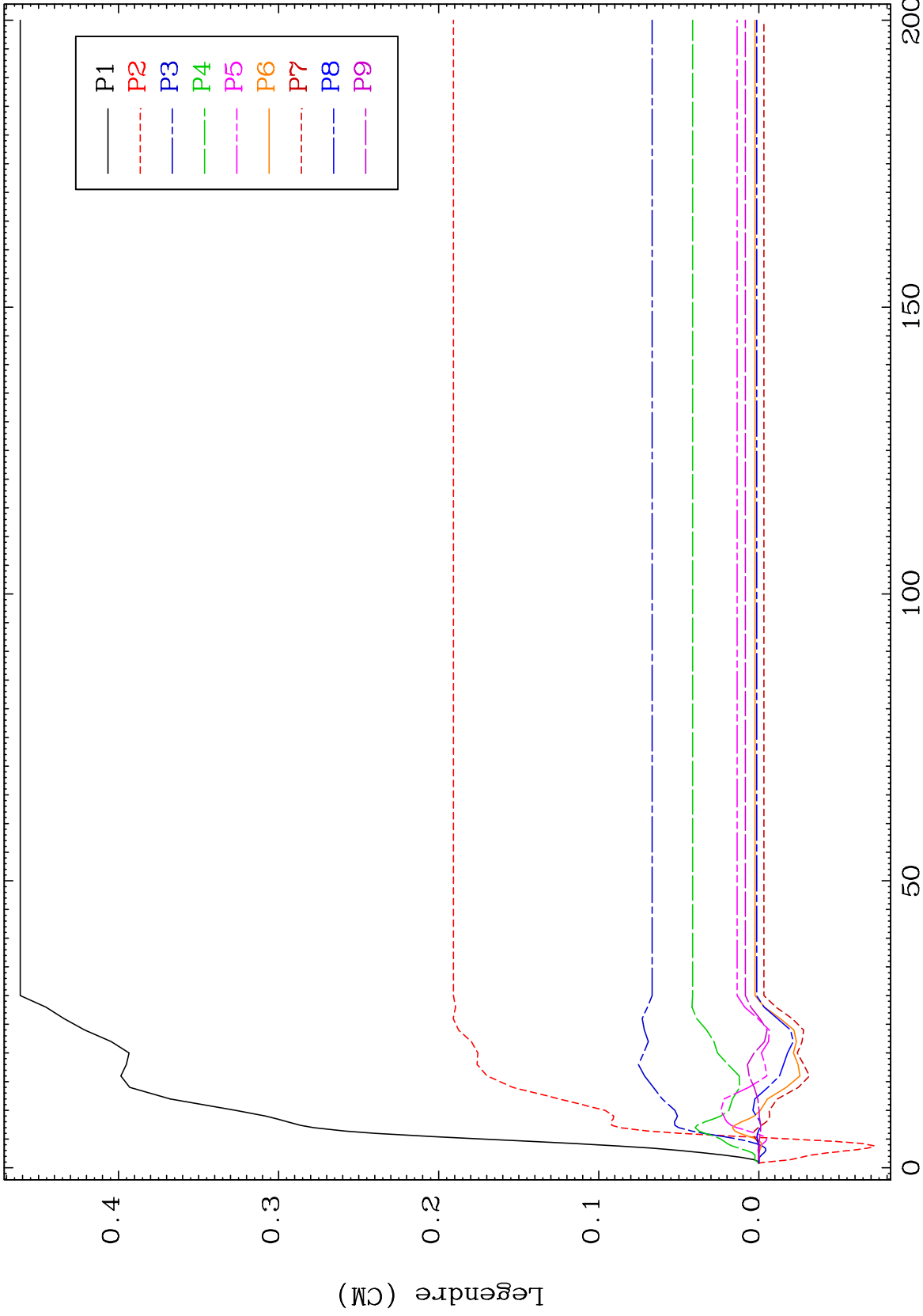
Incident Energy (MeV)

110

MAT 5713

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

57-La-134



111

Incident Energy (MeV)

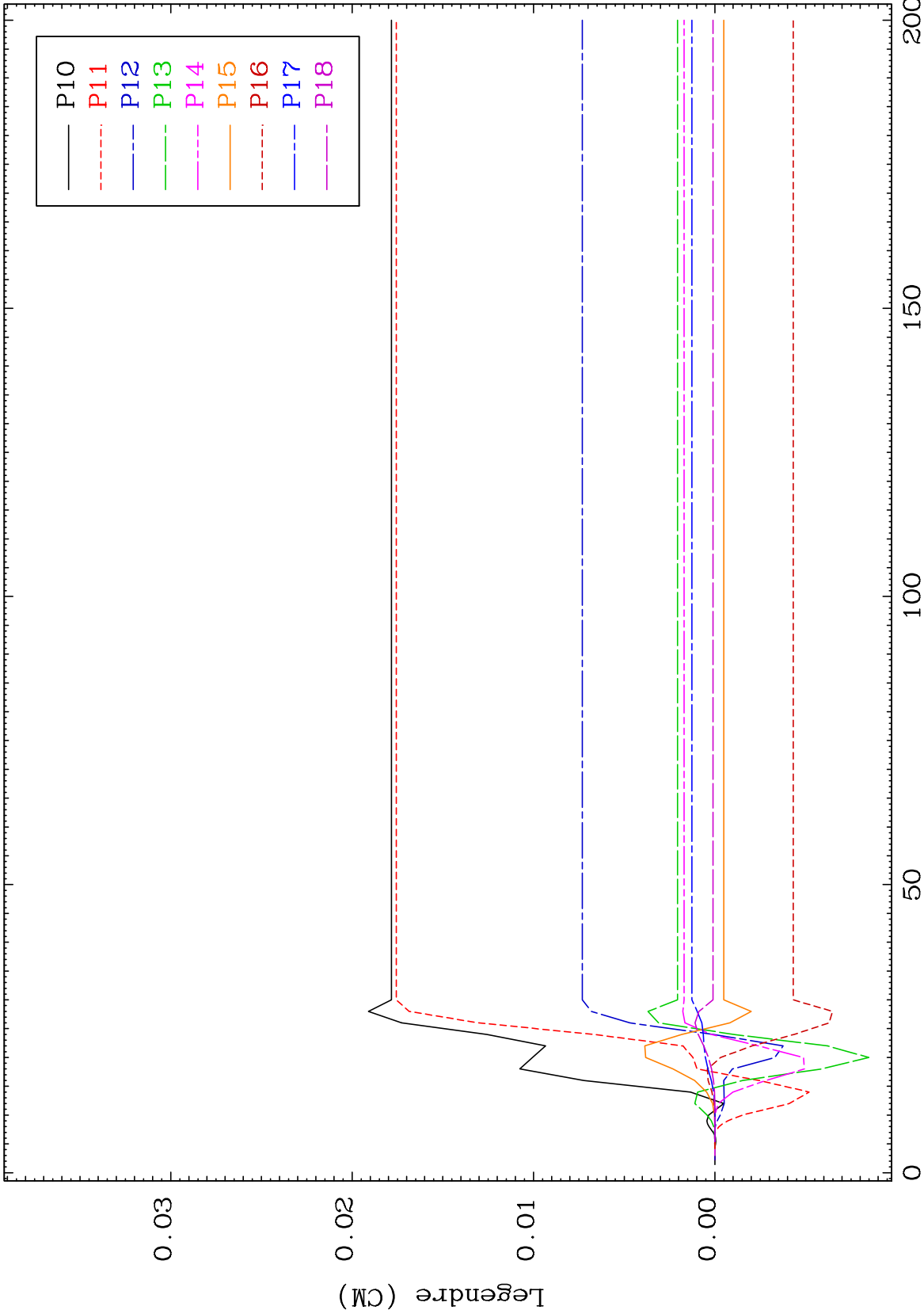
57-La-134



MAT 5713

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

57-La-134



112

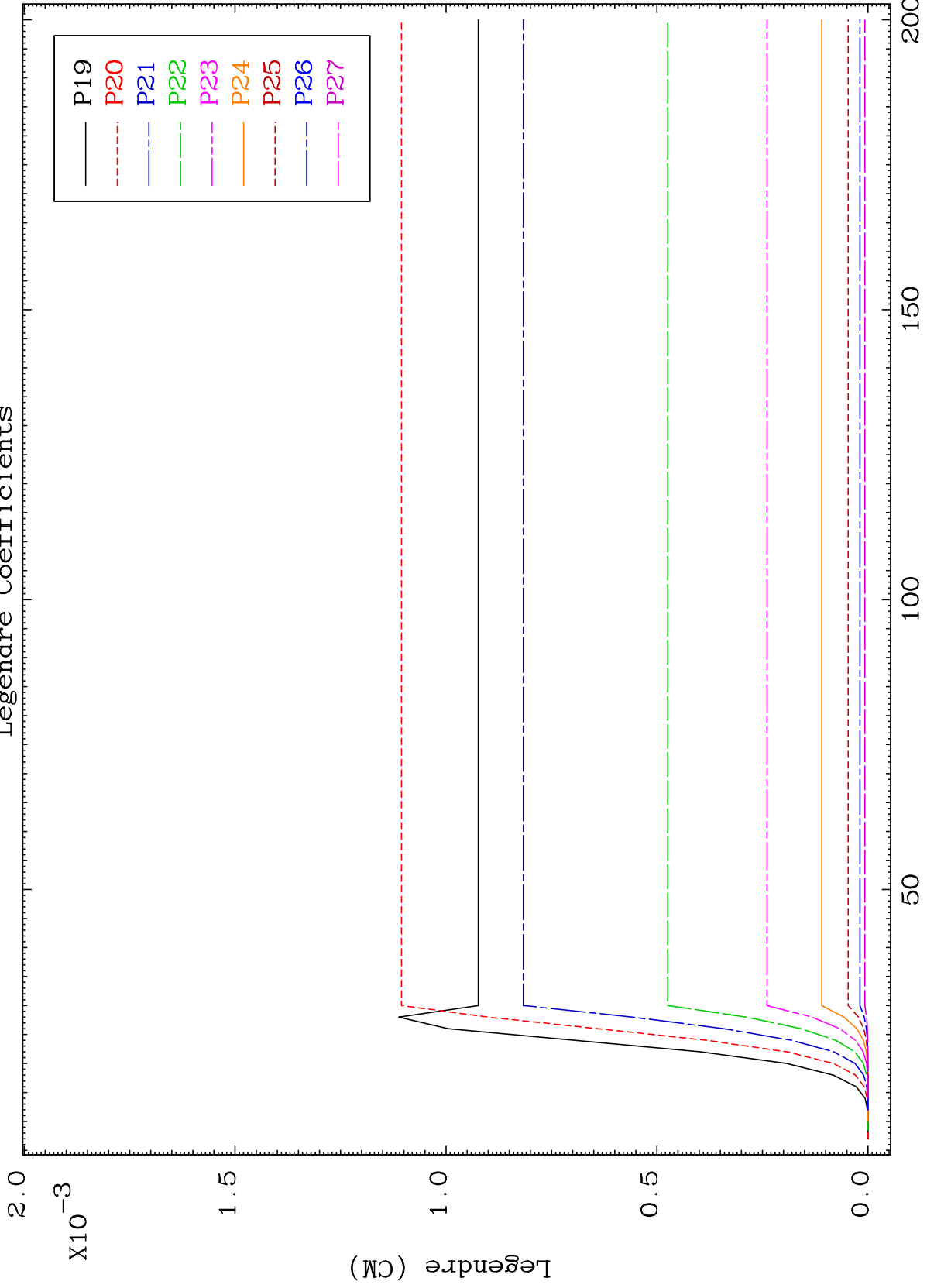
Incident Energy (MeV)

57-La-134

MAT 5713

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

57-La-134



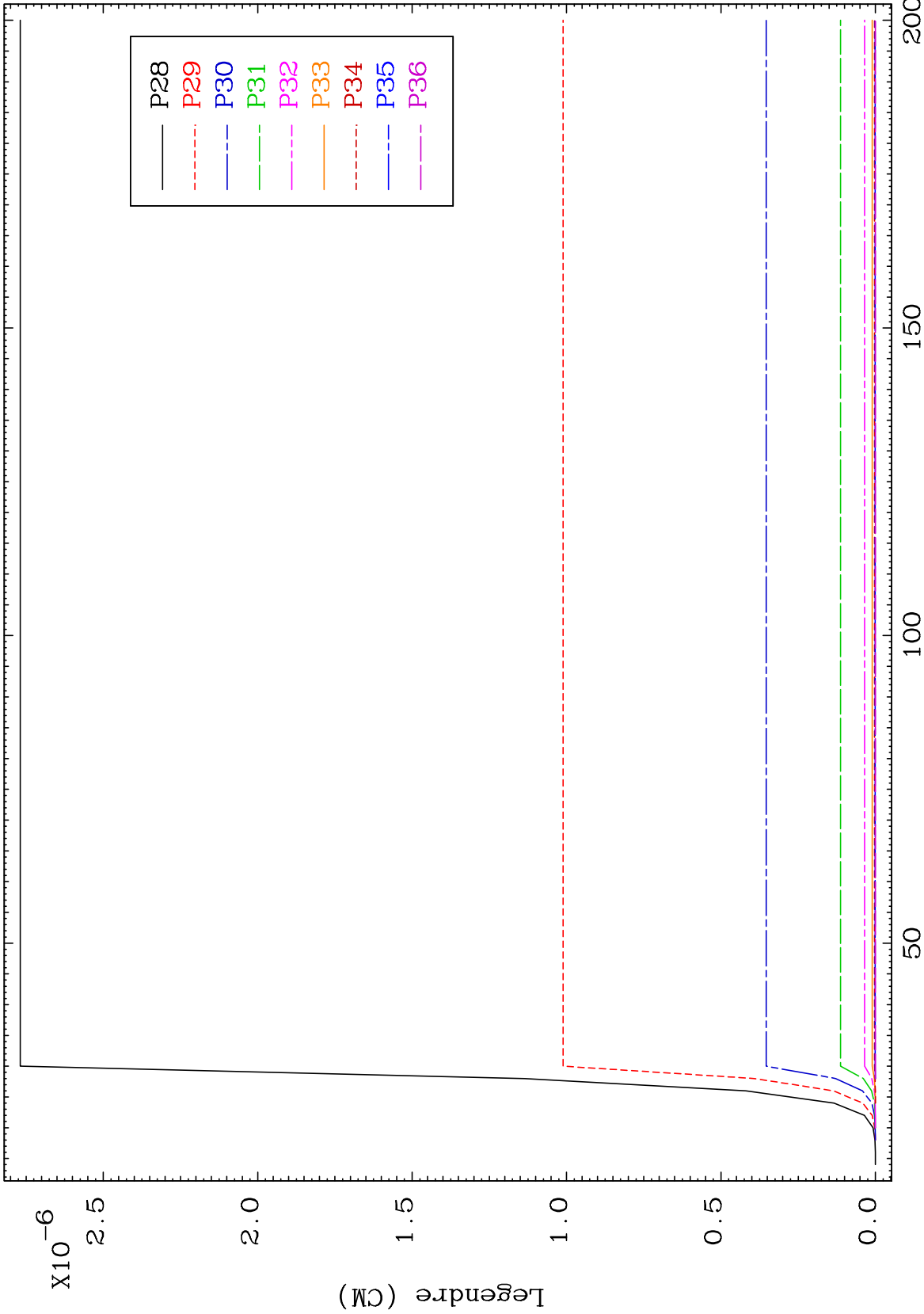
57-La-134

113

MAT 5713

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

57-La-134



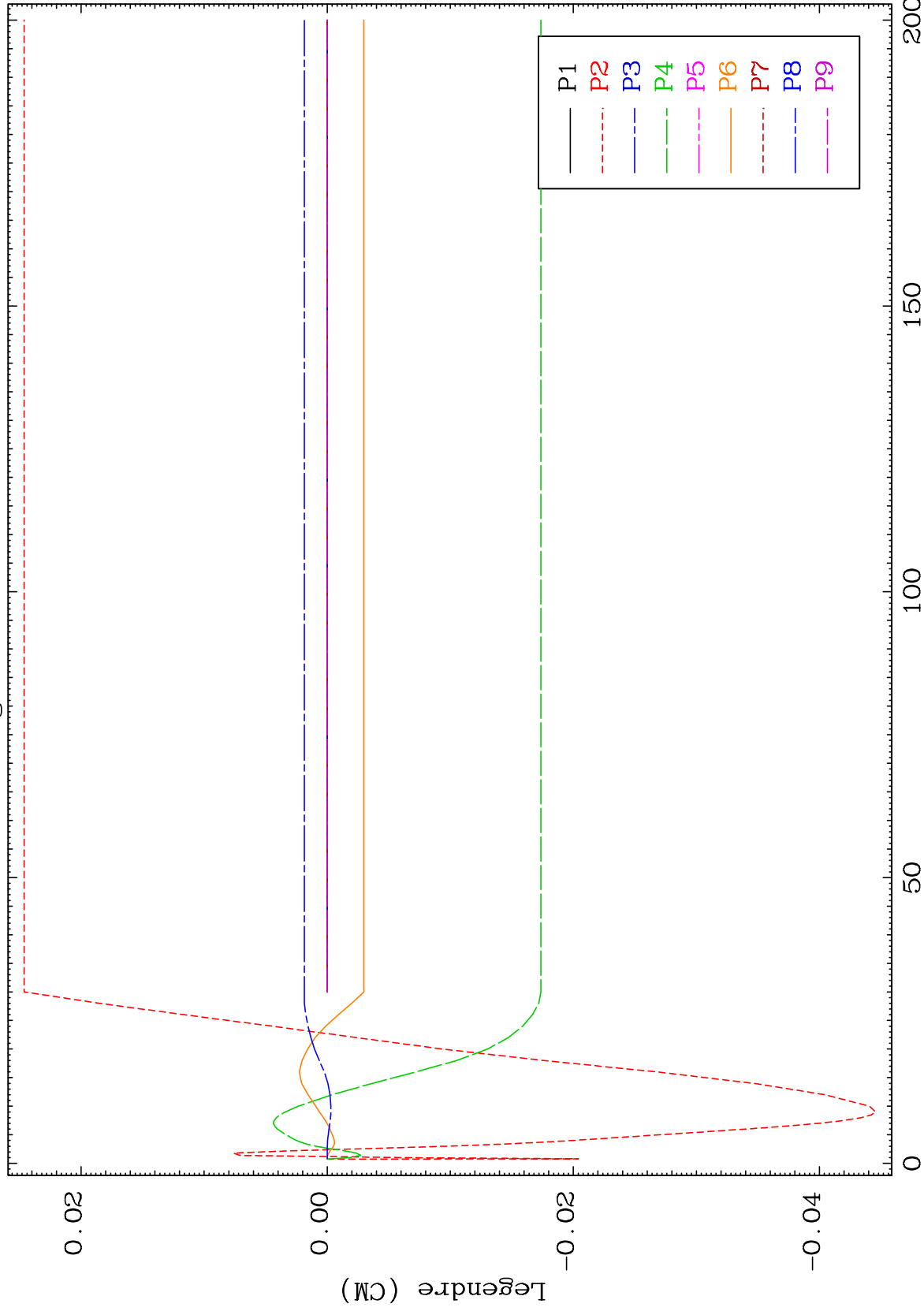
114

57-La-134

MAT 5713

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

57-La-134



57-La-134

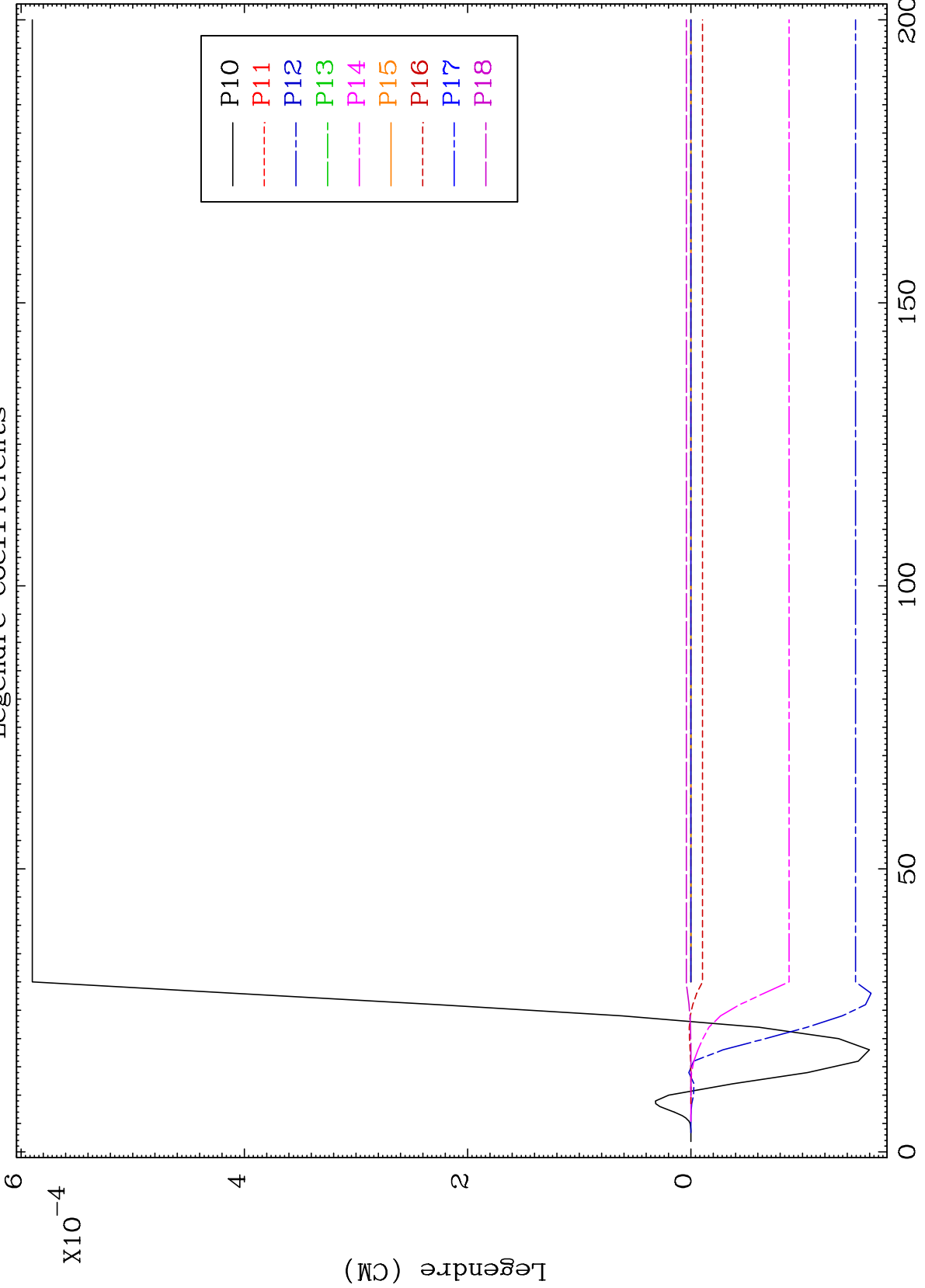
Incident Energy (MeV)

115

MAT 5713

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

57-La-134



116

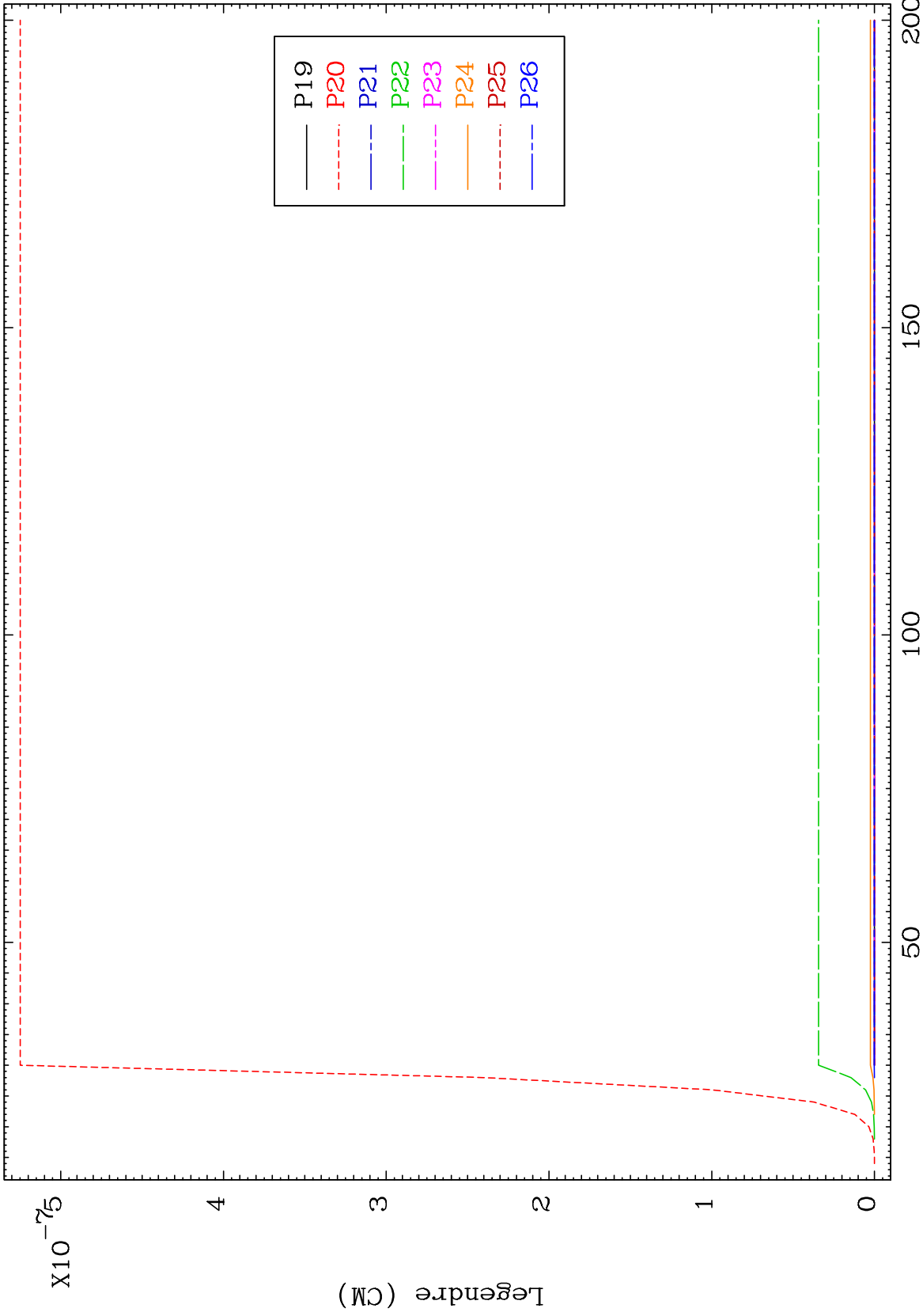
Incident Energy (MeV)

57-La-134

MAT 5713

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

57-La-134



117

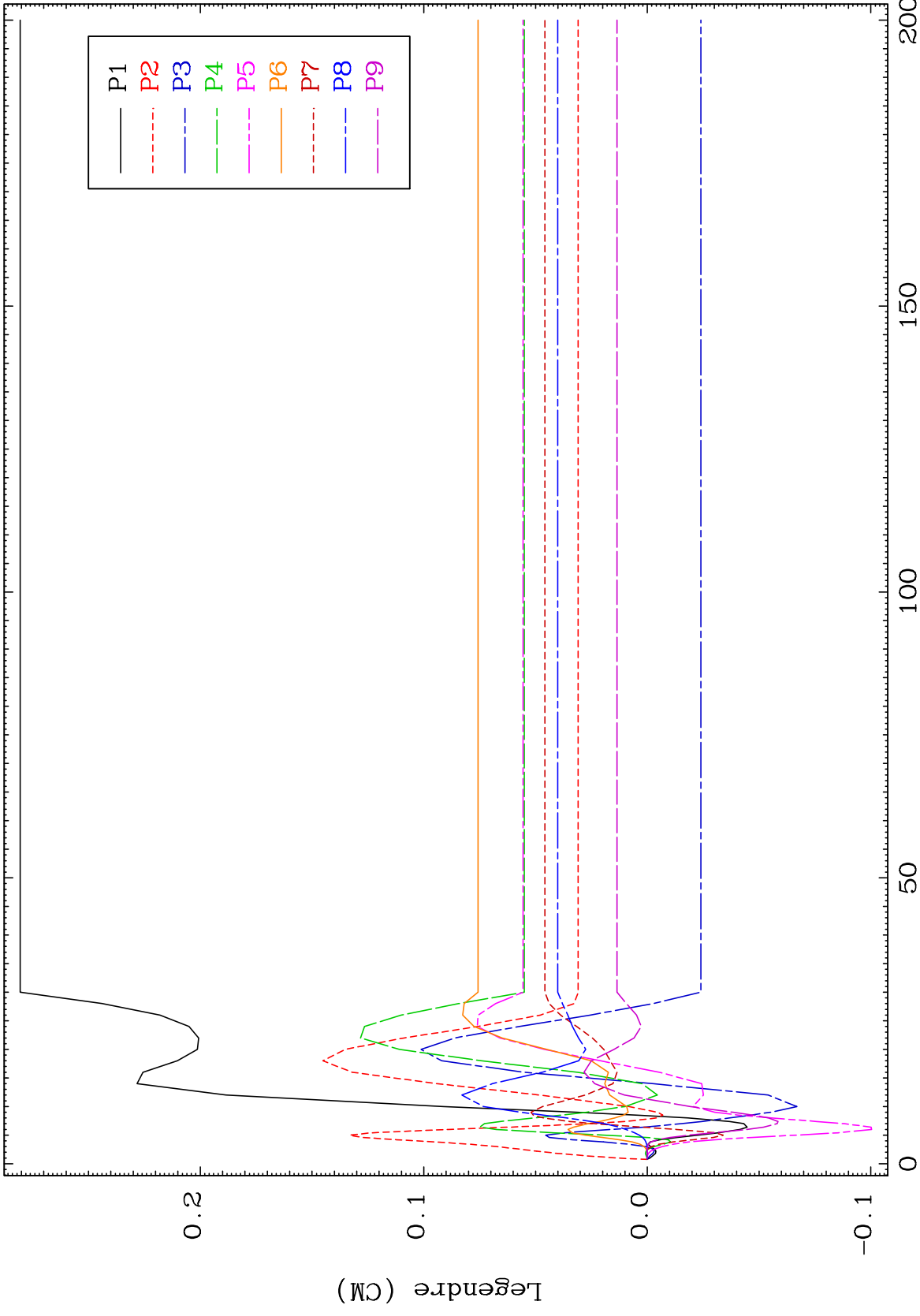
Incident Energy (MeV)

57-La-134

MAT 5713

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

57-La-134



118

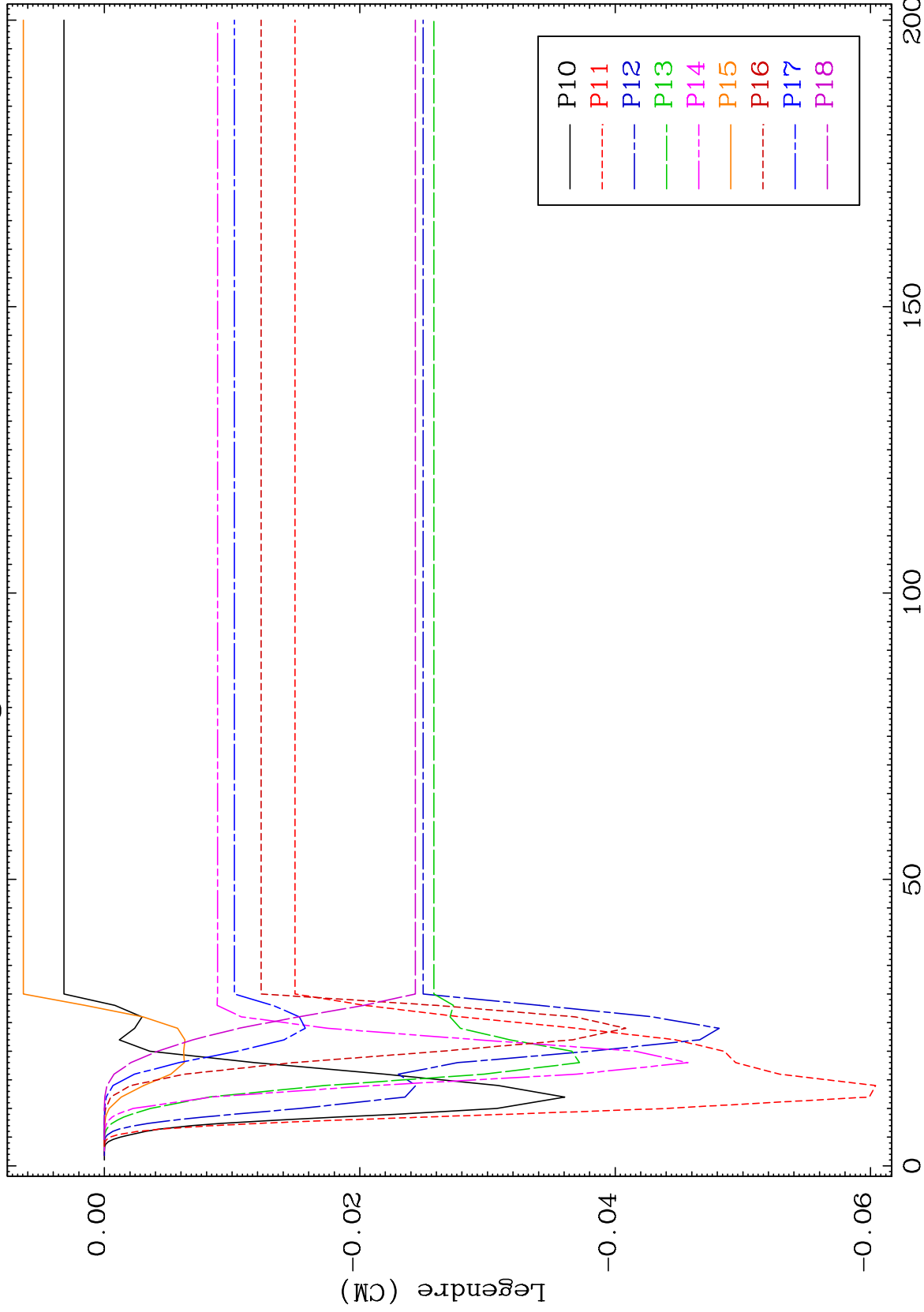
Incident Energy (MeV)

57-La-134

MAT 5713

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

57-La-134



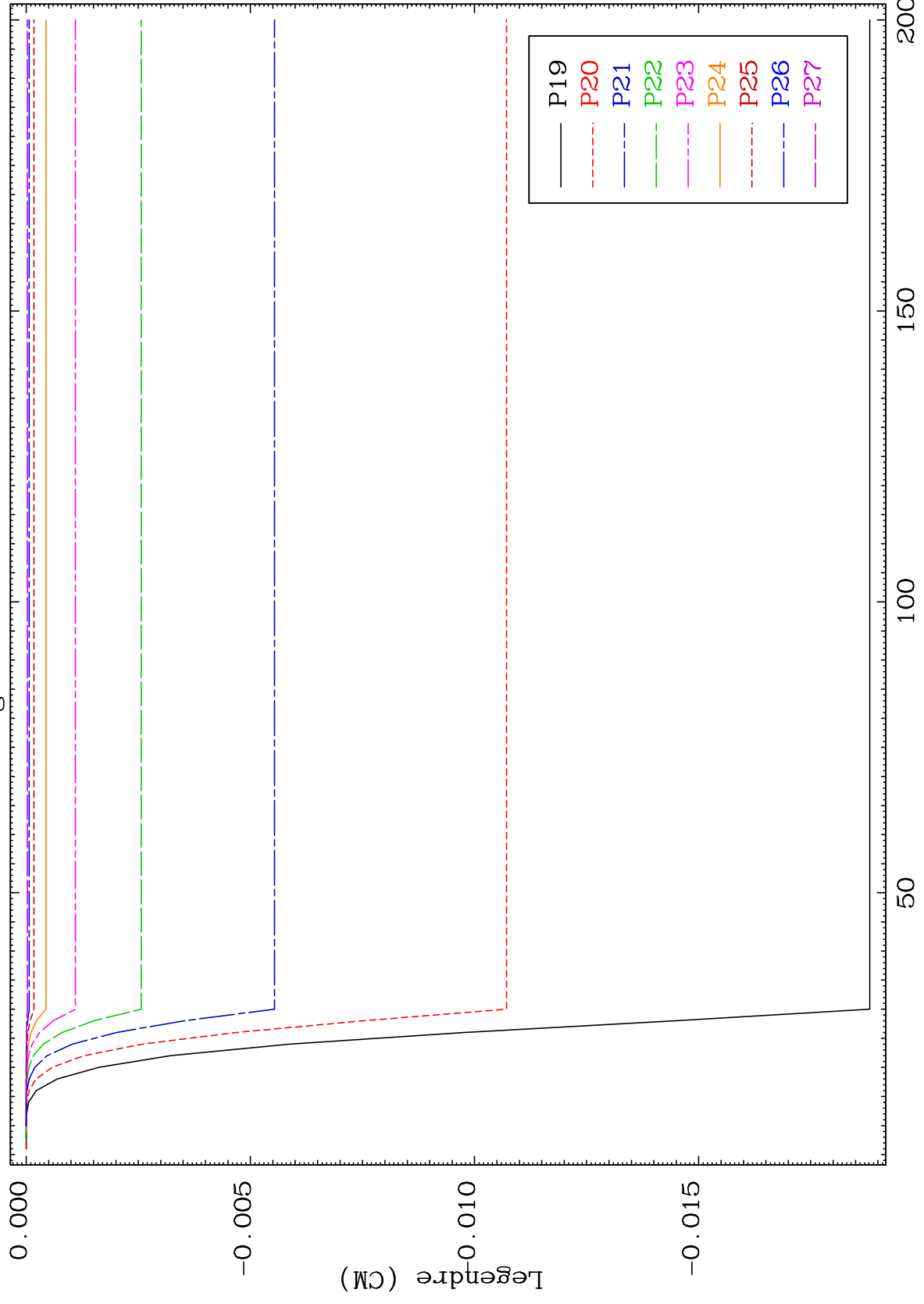
119

Incident Energy (MeV)

57-La-134



MAT 5713 MT= 80 (n,n') Level Legendre Coefficients 57-La-134

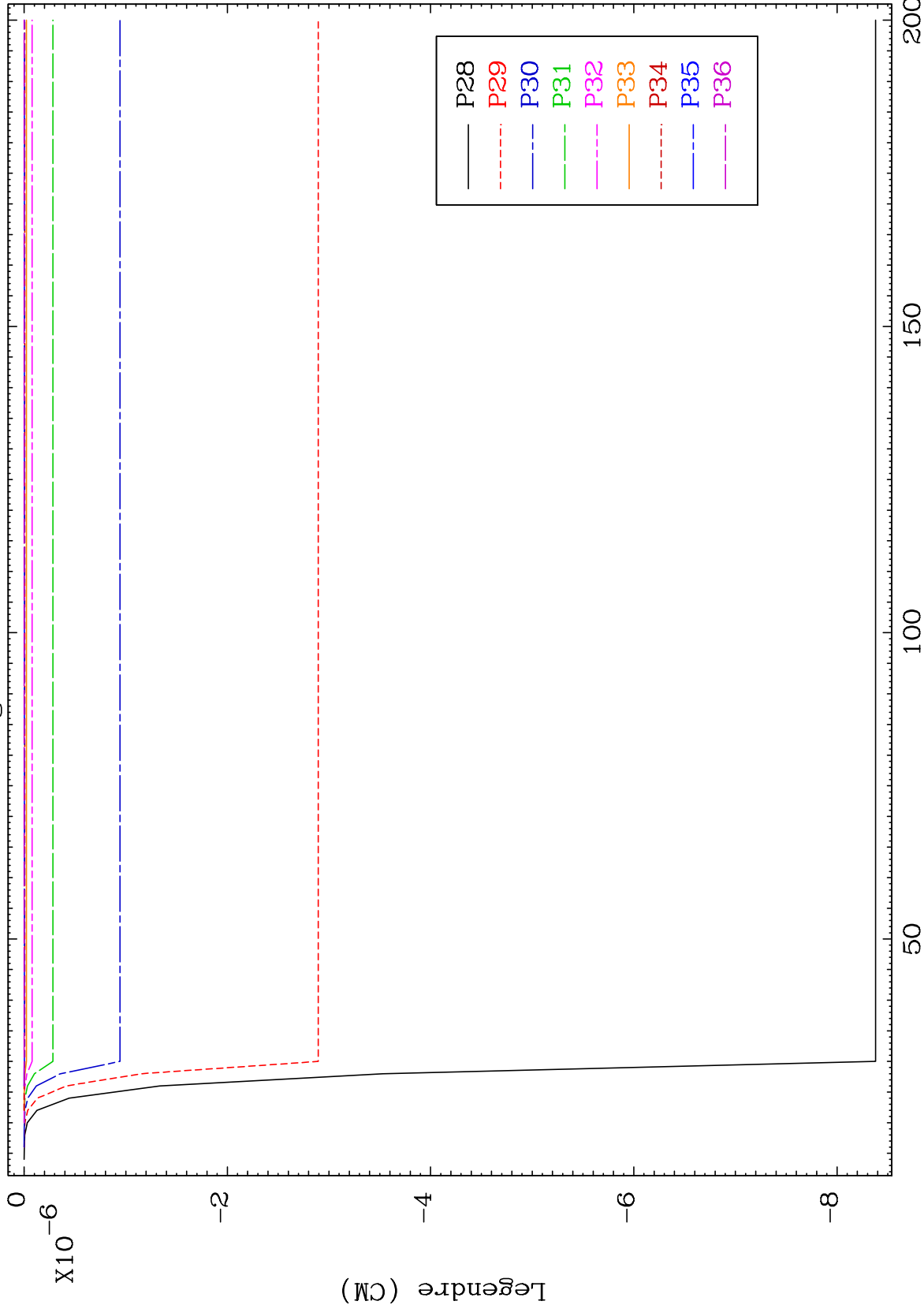


120 Incident Energy (MeV) 57-La-134

MAT 5713

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

57-La-134



57-La-134

Incident Energy (MeV)

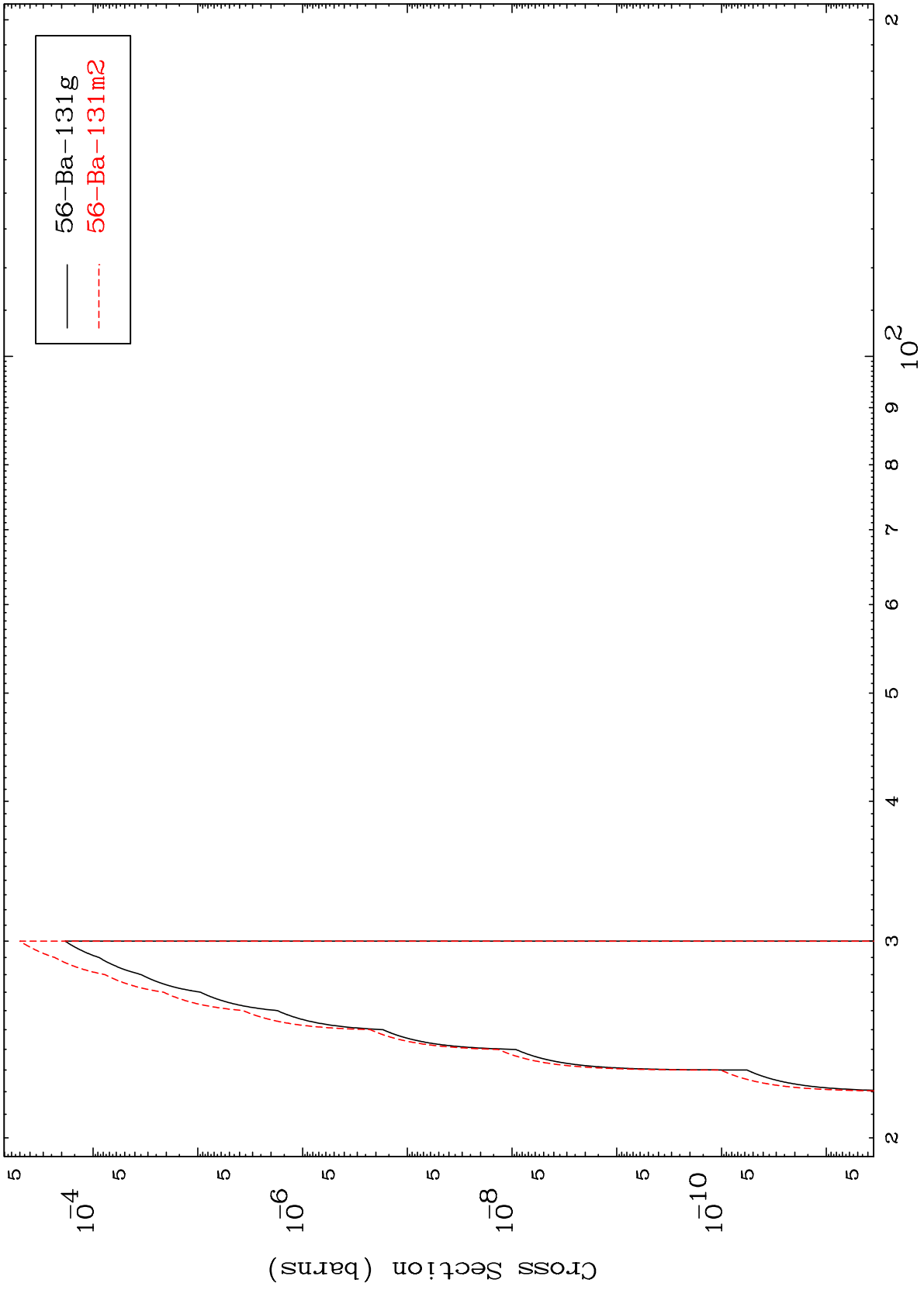
121

MAT 5713

(n,2n) d

57-La-134

Radionuclide Production Cross Section



122

Incident Energy (MeV)

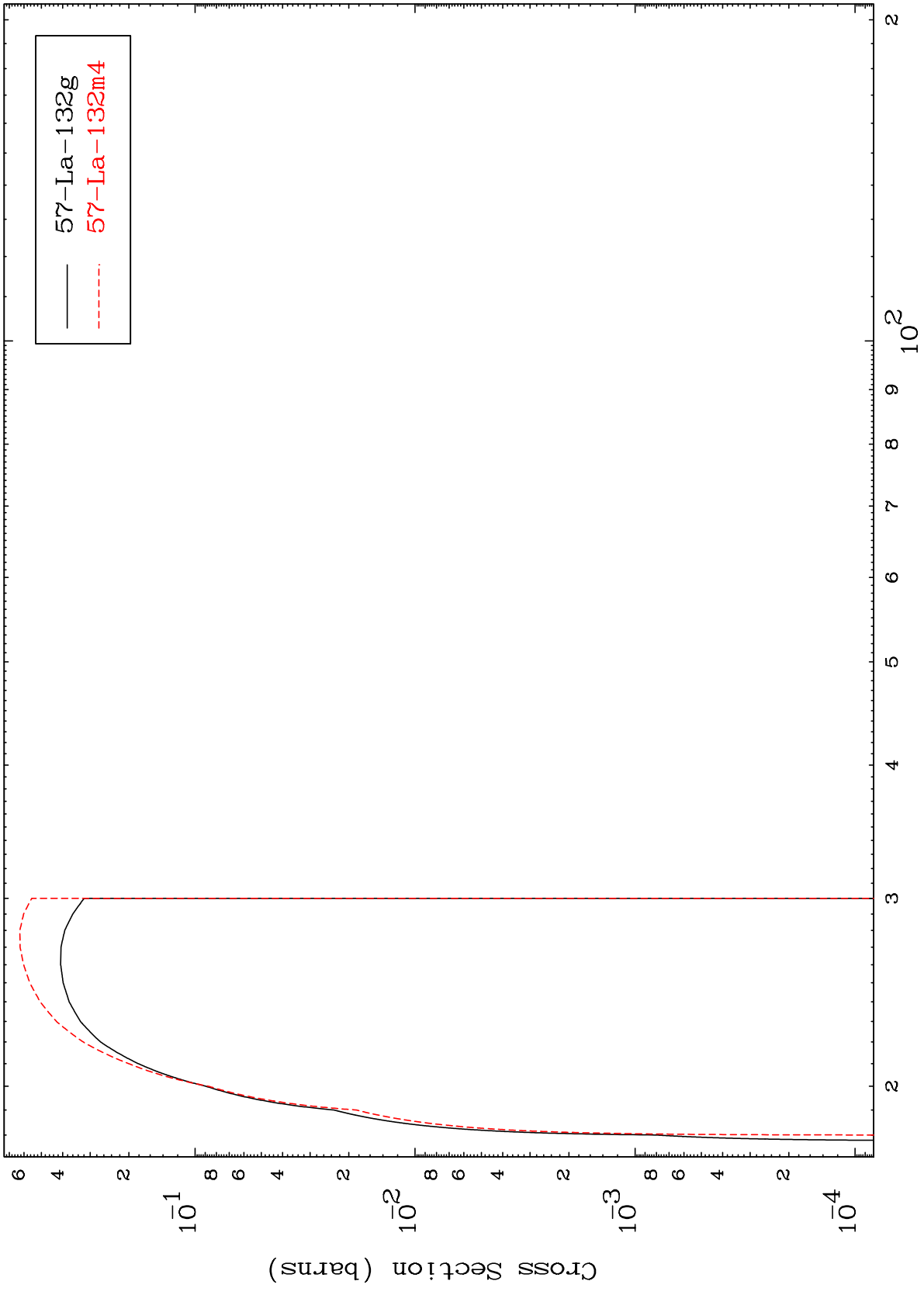
57-La-134

MAT 5713

(n,3n)

57-La-134

Radionuclide Production Cross Section



57-La-132g  
57-La-132m4

123

Incident Energy (MeV)

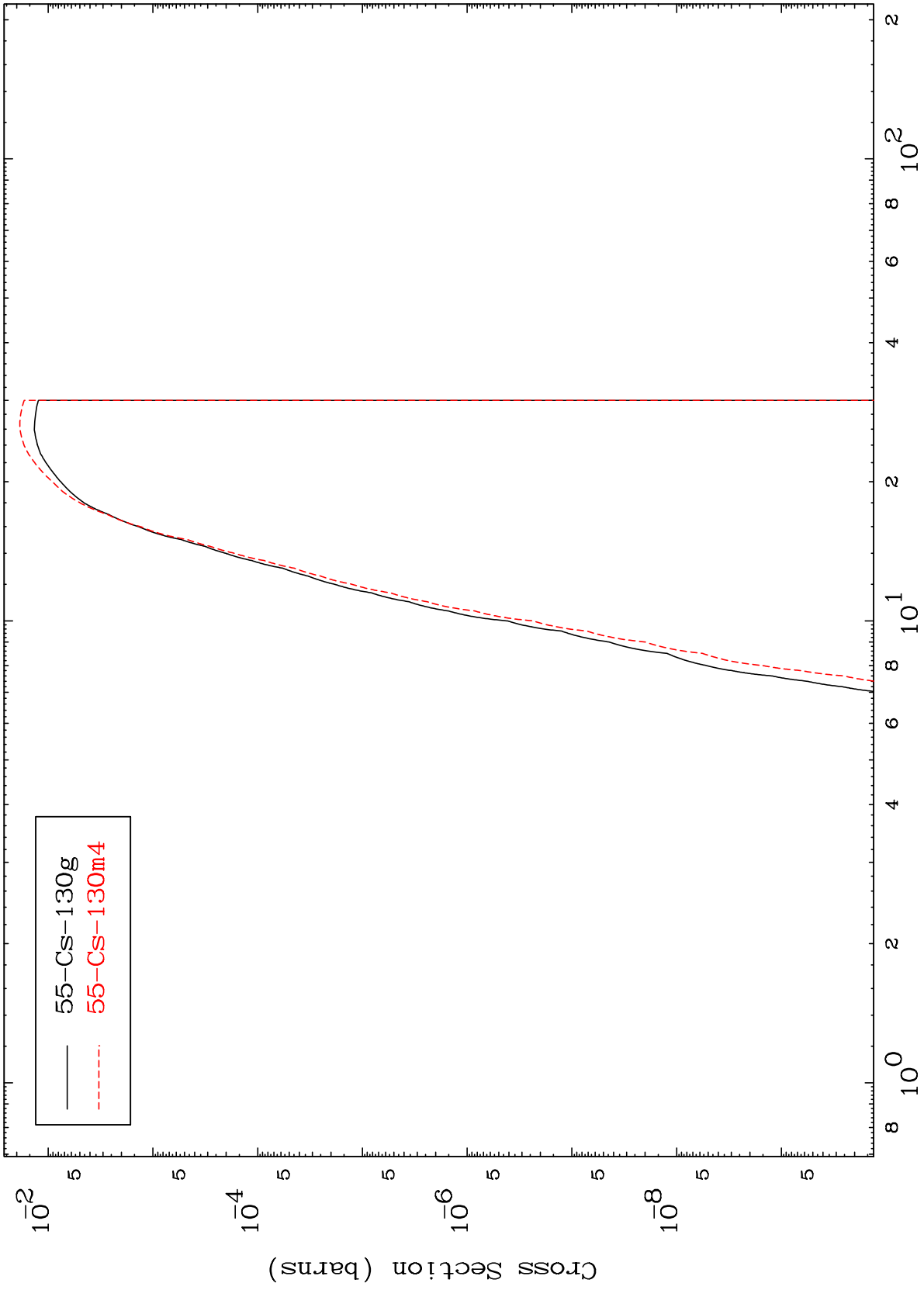
57-La-134

MAT 5713

(n,n')  $\alpha$

57-La-134

Radionuclide Production Cross Section



124

Incident Energy (MeV)

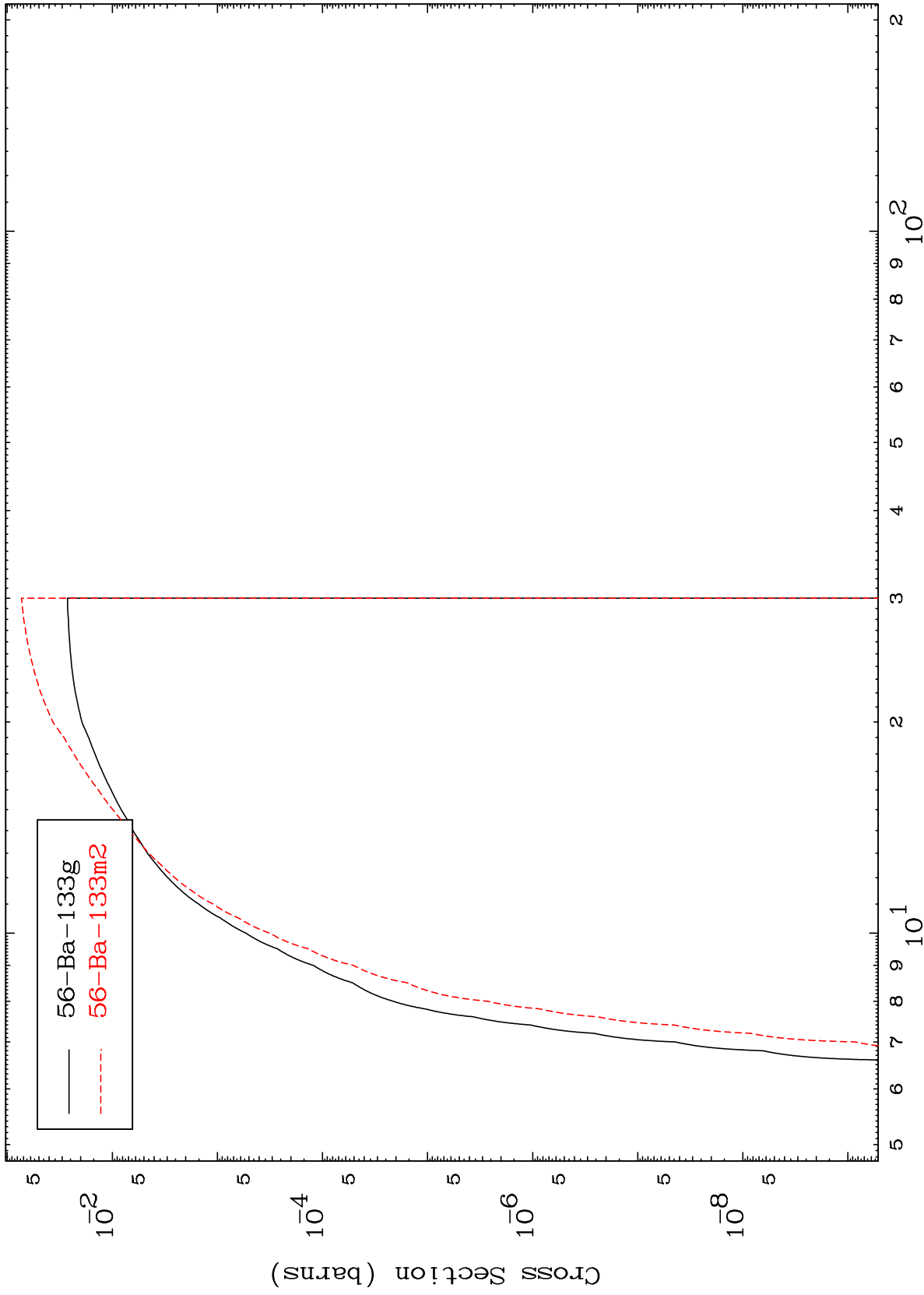
57-La-134

MAT 5713

(n,n') p

57-La-134

Radionuclide Production Cross Section



125

Incident Energy (MeV)

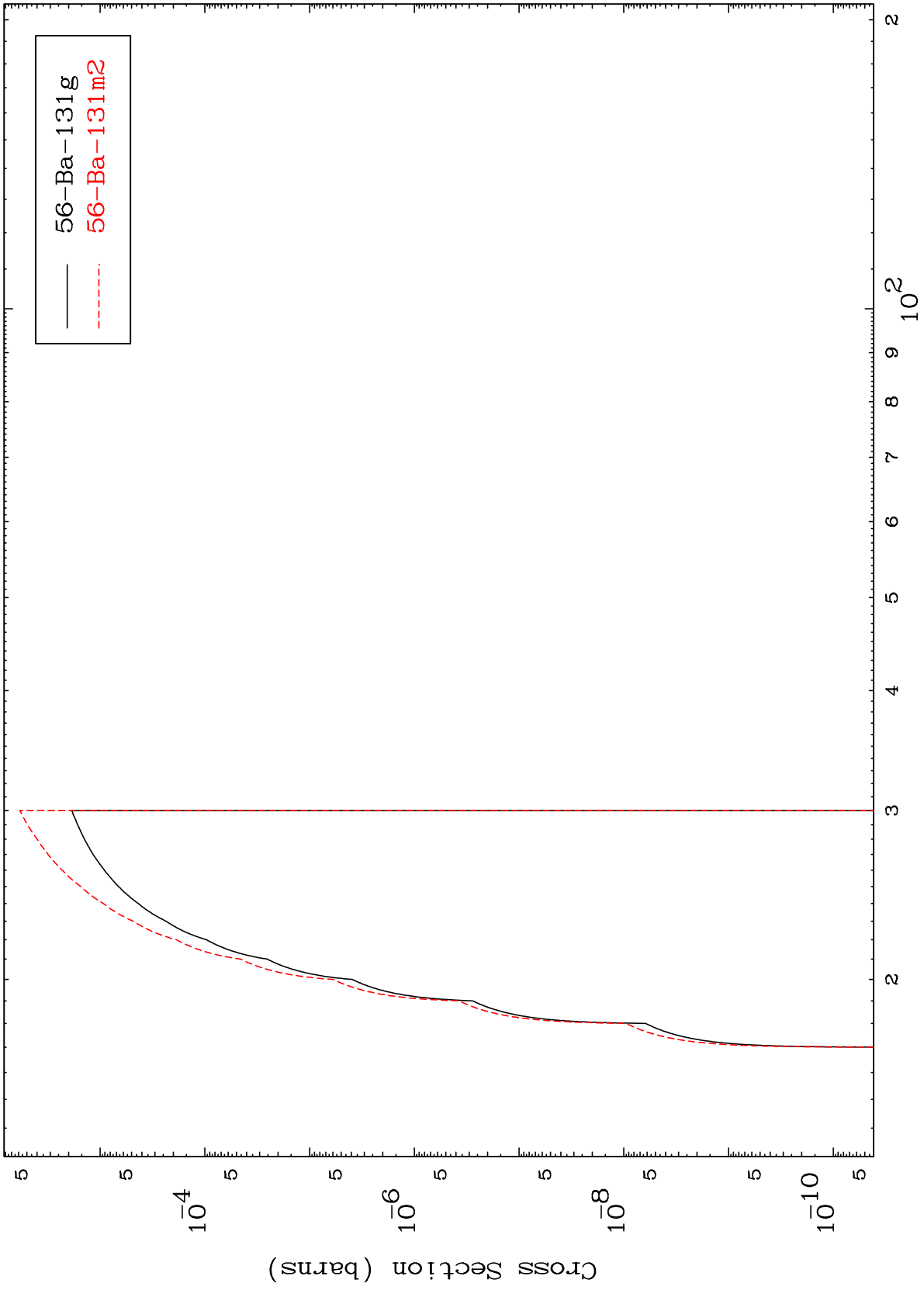
57-La-134

MAT 5713

(n,n') t

57-La-134

Radionuclide Production Cross Section



126

Incident Energy (MeV)

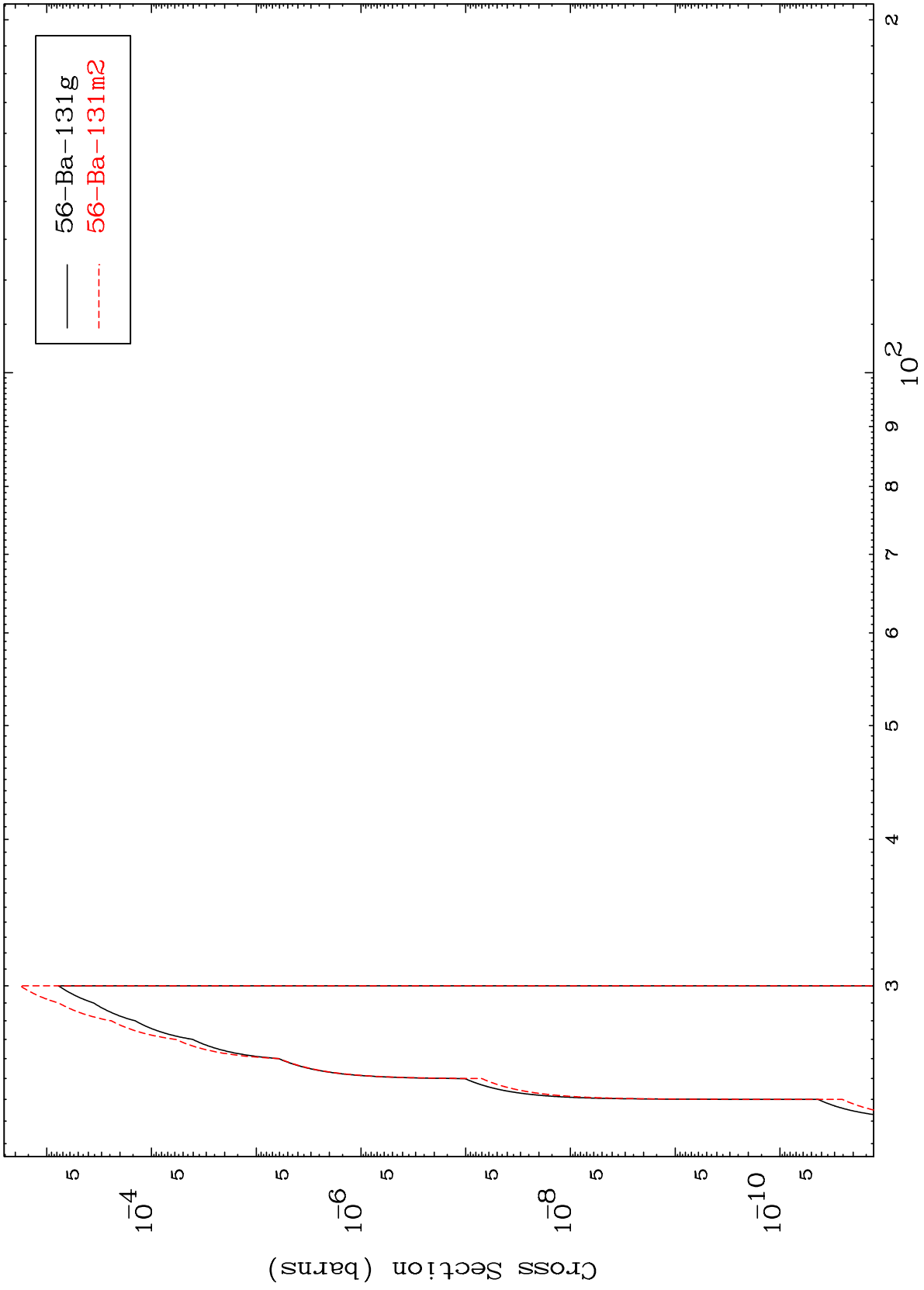
57-La-134

MAT 5713

(n,3n) p

57-La-134

Radionuclide Production Cross Section



127

Incident Energy (MeV)

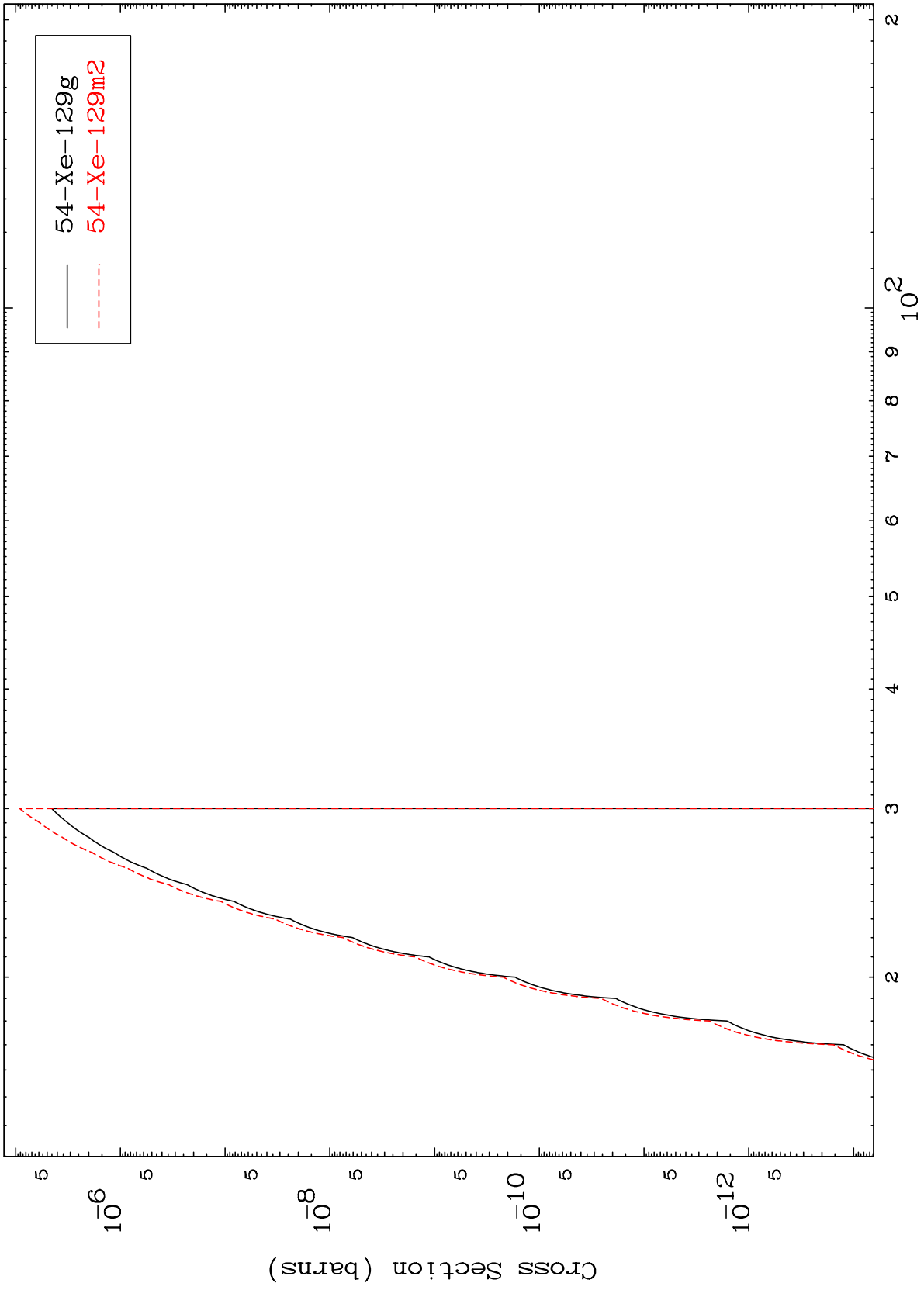
57-La-134



MAT 5713

57-La-134

(n,n') p  $\alpha$   
Radionuclide Production Cross Section



128

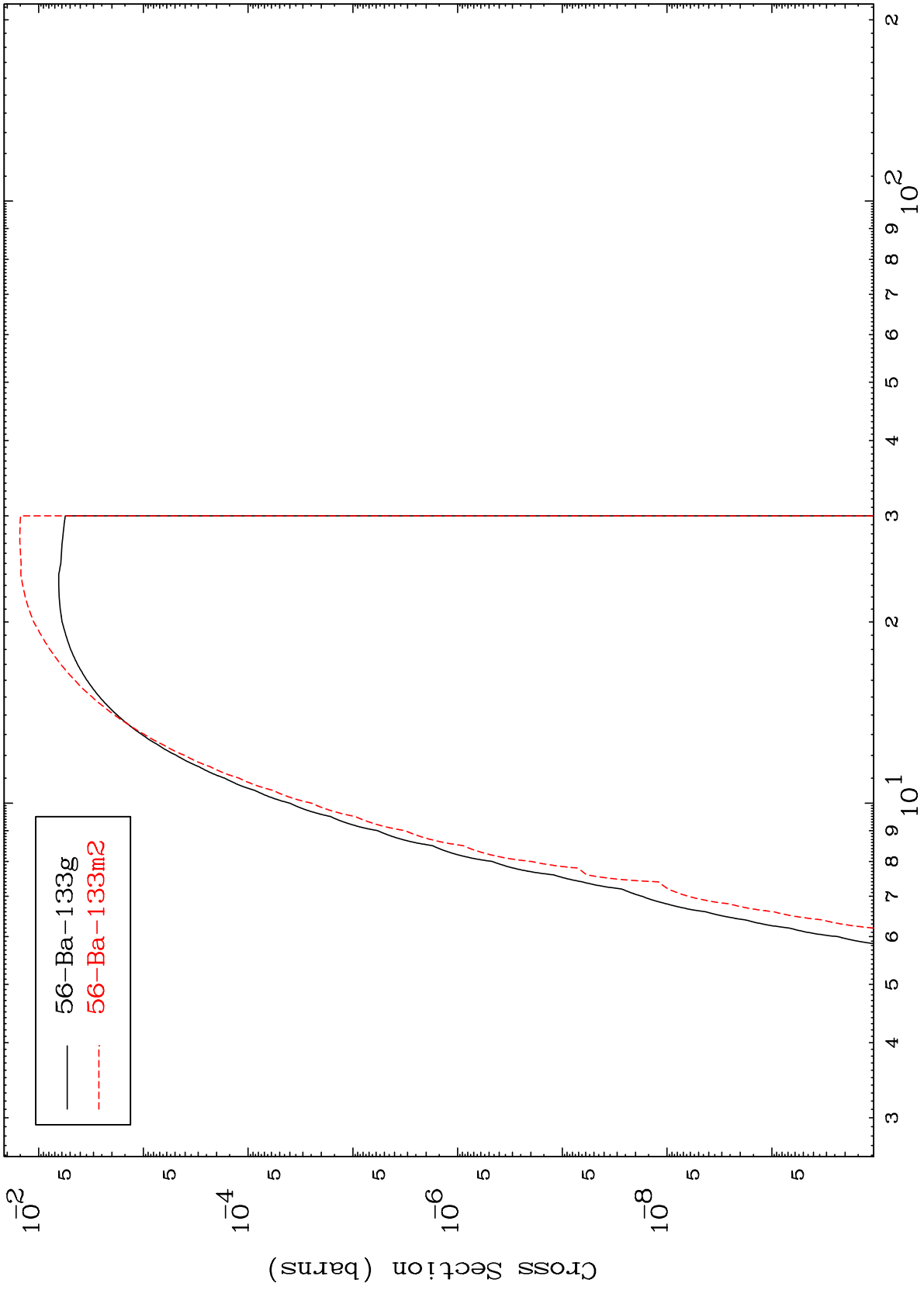
57-La-134

Incident Energy (MeV)

MAT 5713

57-La-134

(n,d)  
Radionuclide Production Cross Section



129

Incident Energy (MeV)

57-La-134

MAT 5713

(n,d)  $\alpha$

57-La-134

Radionuclide Production Cross Section

