

Program EVALPLOT  
(Version 2018-1)

by

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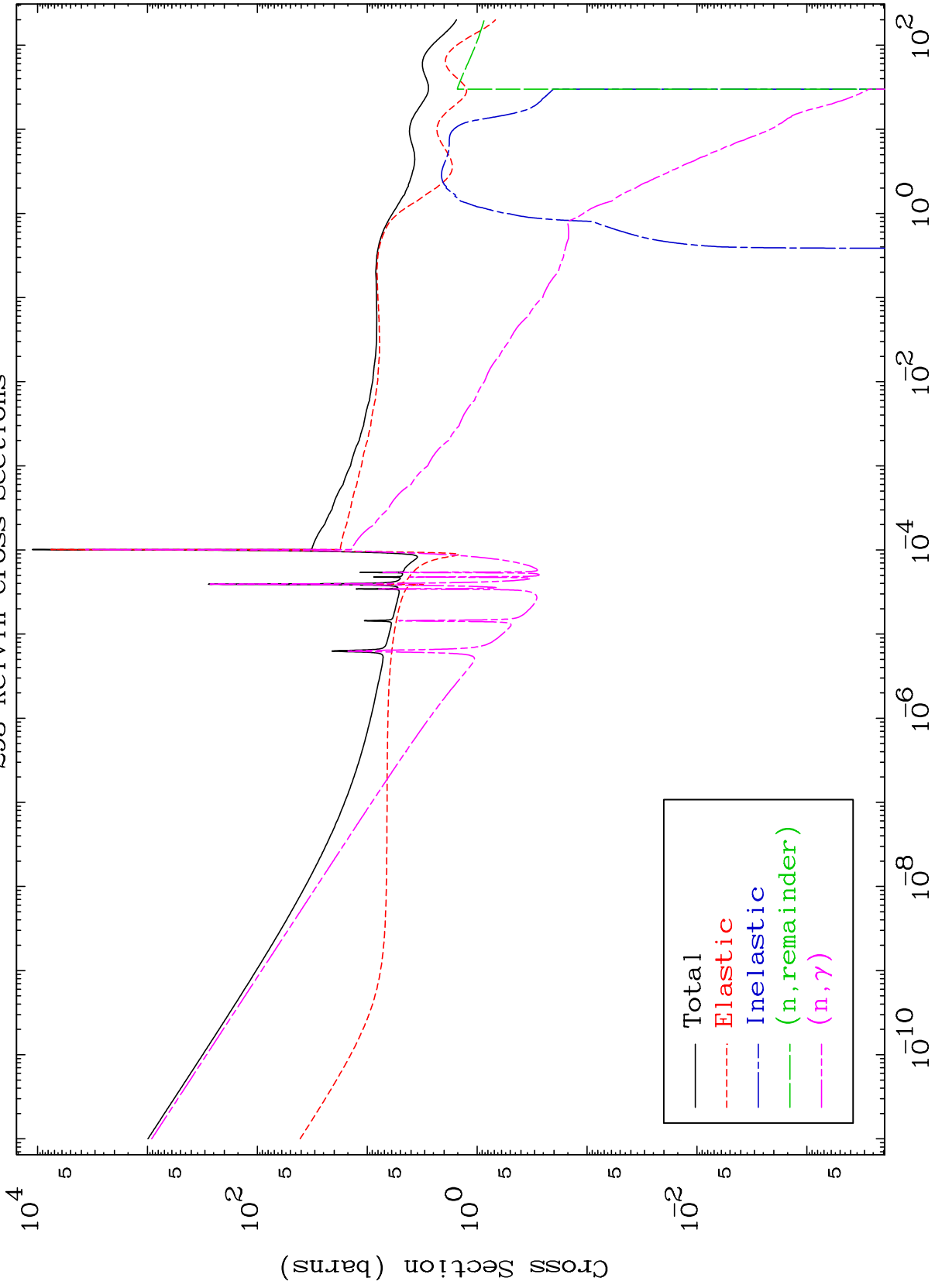
Press Mouse Button to Start

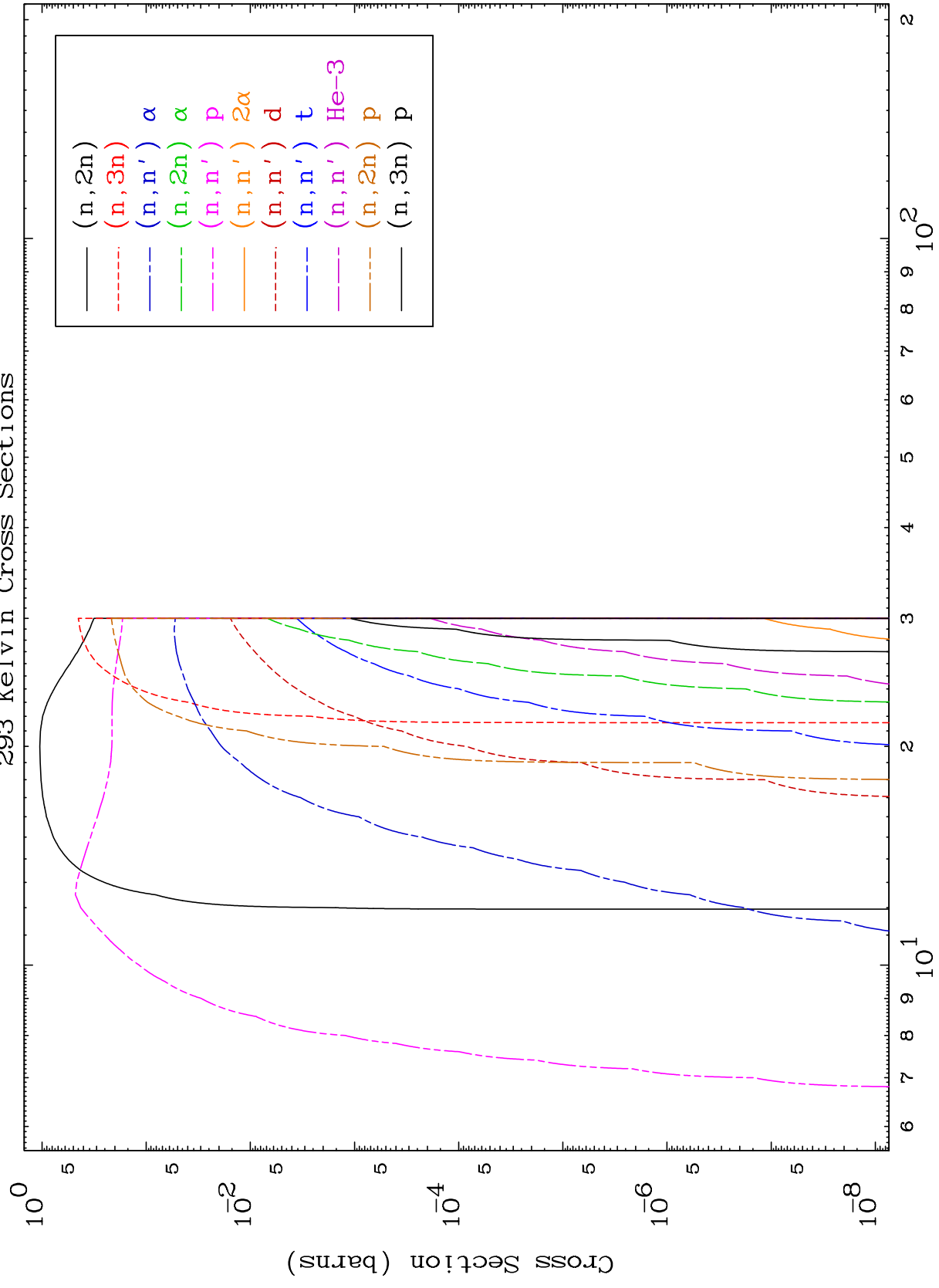
MAT 3919

Major

293 Kelvin Cross Sections

39-Y -87

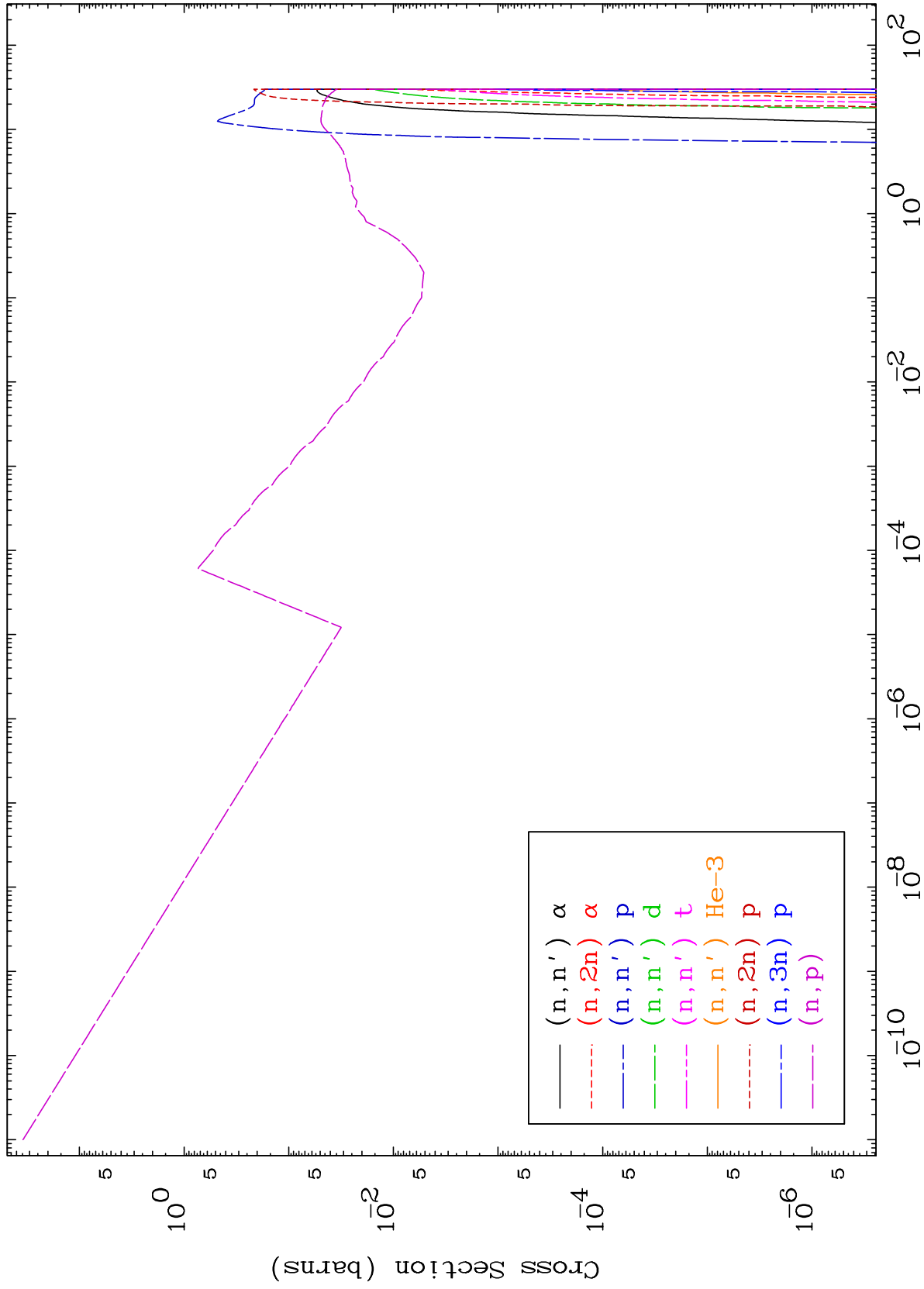




MAT 3919

Charged Particle  
293 Kelvin Cross Sections

39-Y -87



3

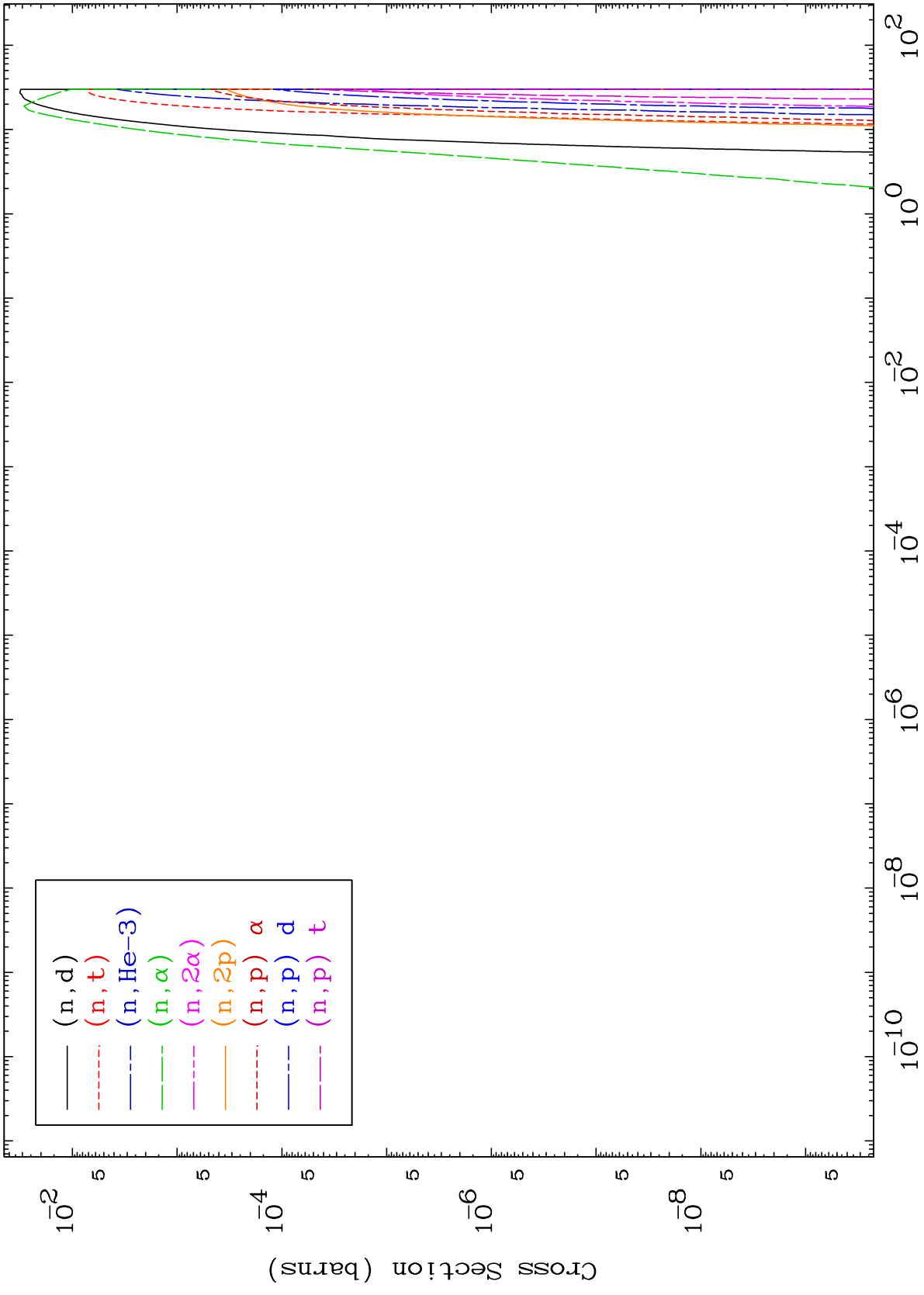
Incident Energy (MeV)

39-Y -87

MAT 3919

Charged Particle  
293 Kelvin Cross Sections

39-Y -87

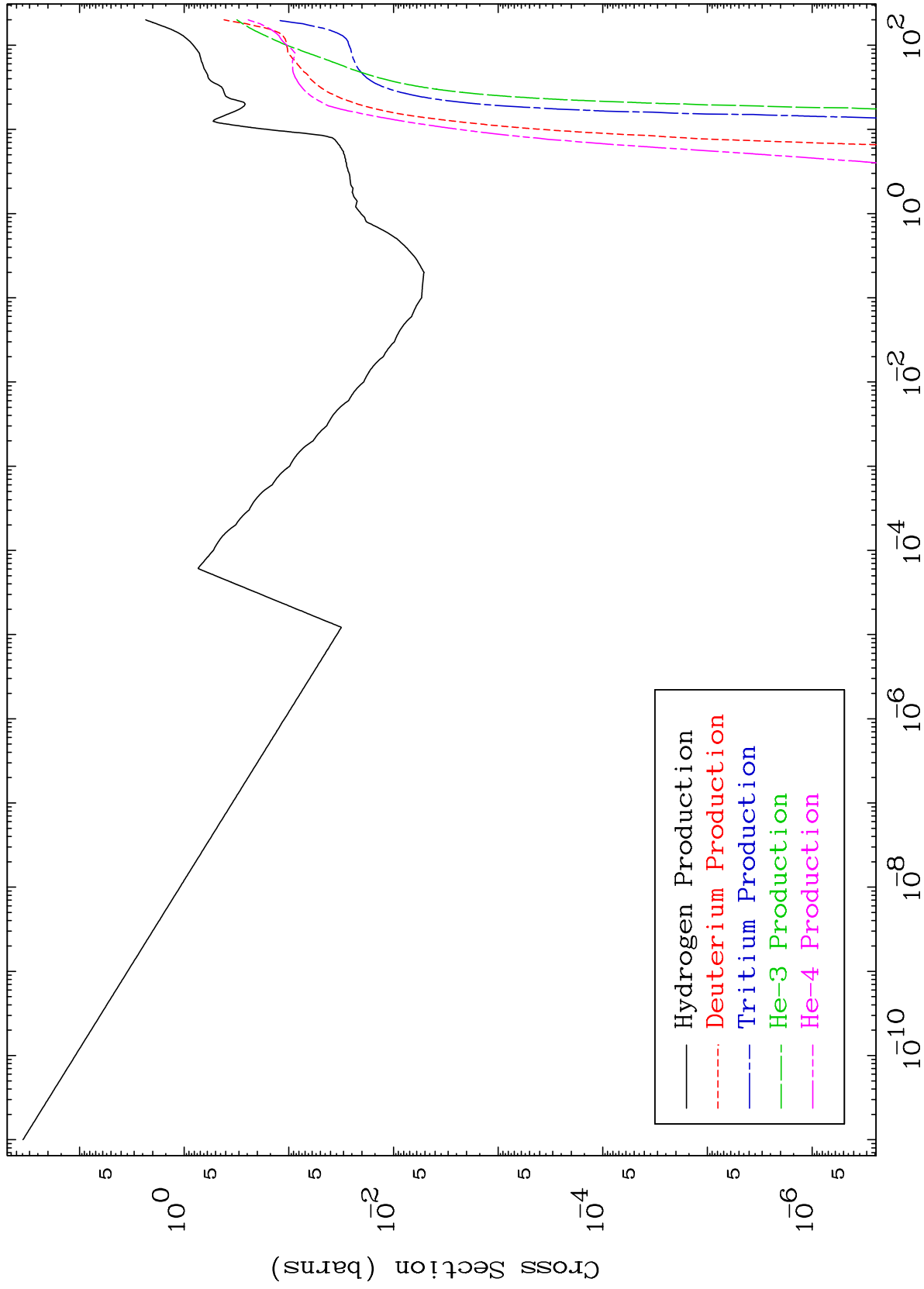


39-Y -87

MAT 3919

Particle Production  
293 Kelvin Cross Sections

39-Y -87



5

Incident Energy (MeV)

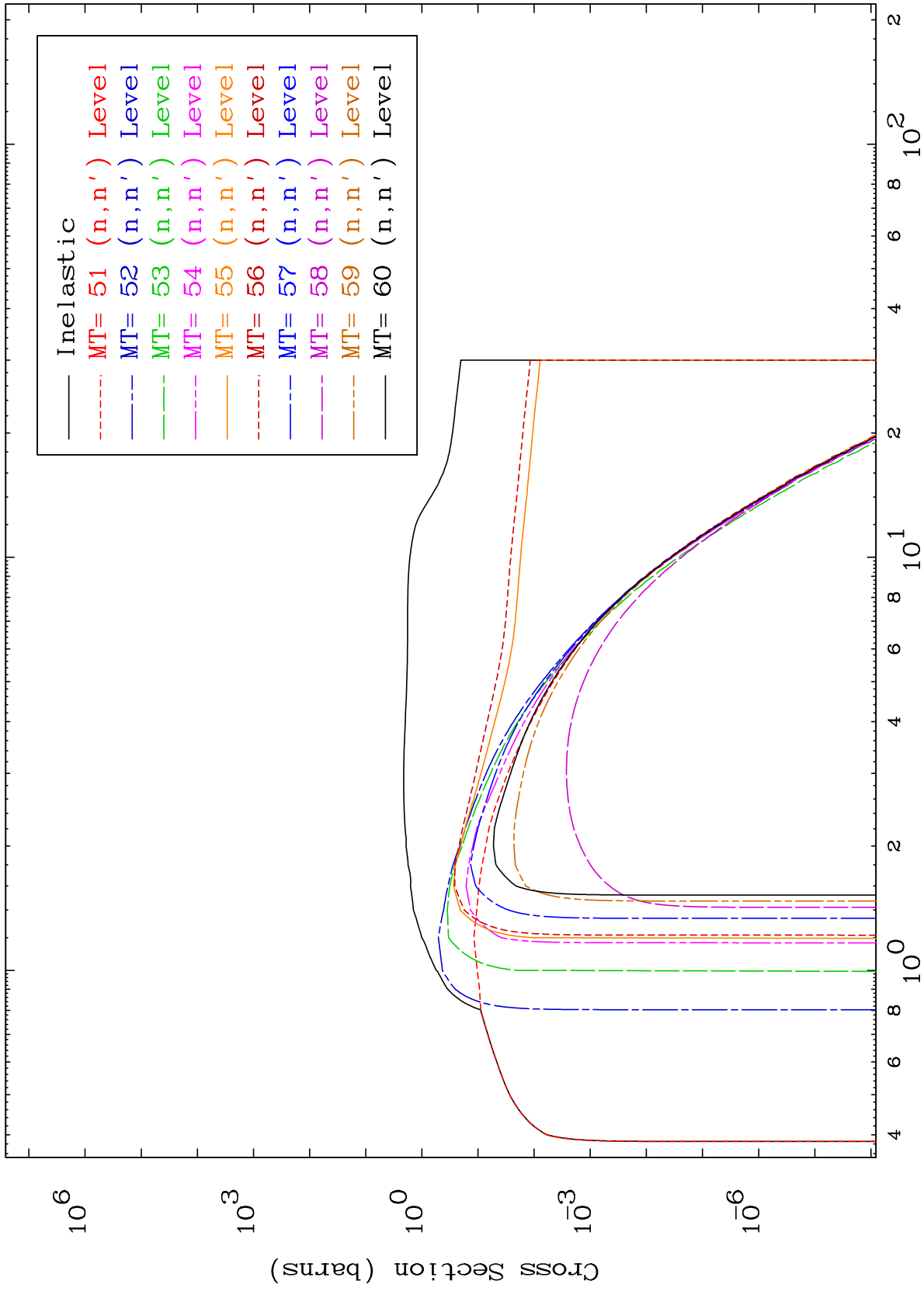
39-Y -87

MAT 3919

(n,n') Level

293 Kelvin Cross Sections

39-Y -87



6

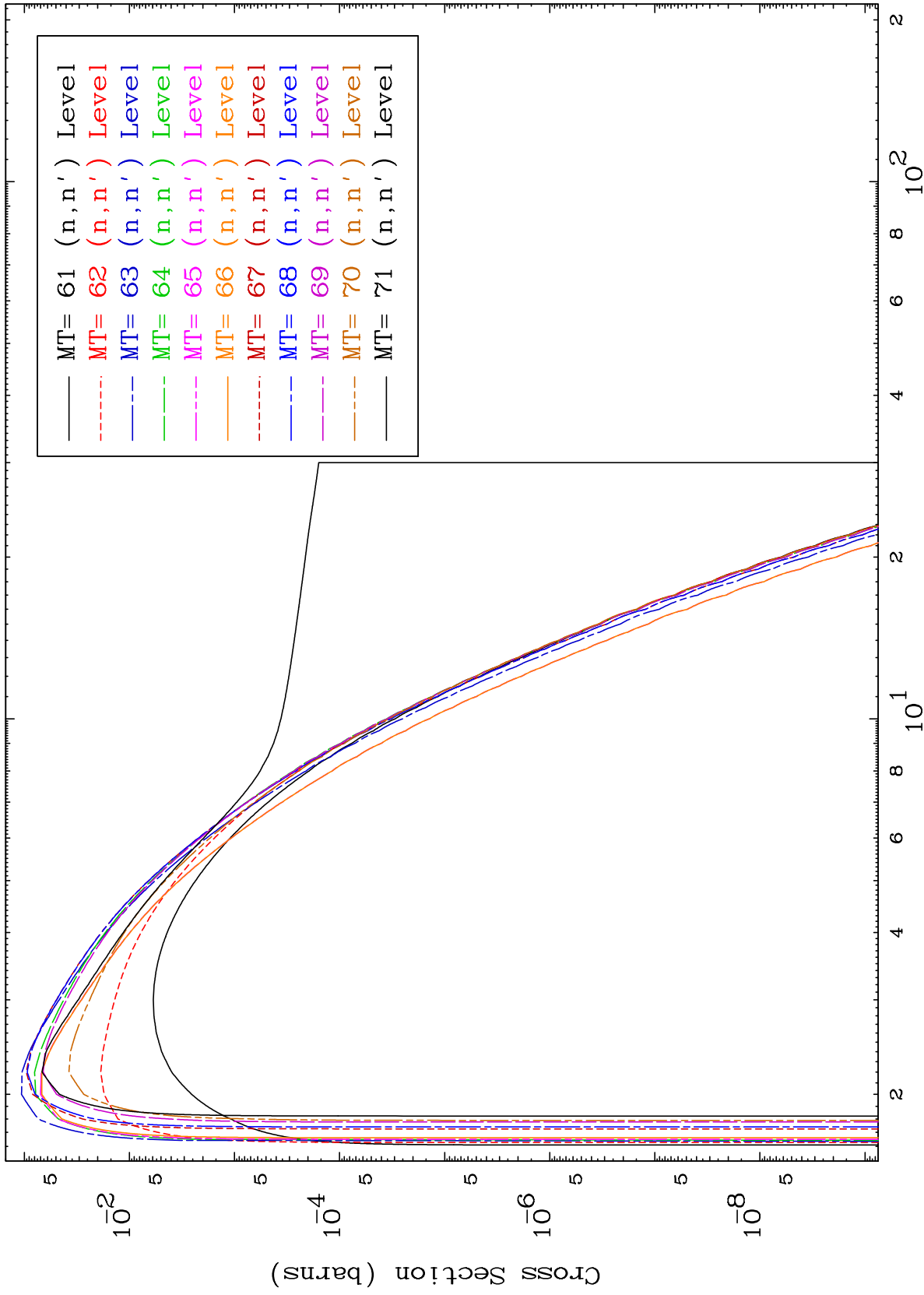
Incident Energy (MeV)

39-Y -87

MAT 3919

(n,n') Level  
293 Kelvin Cross Sections

39-Y -87



7

Incident Energy (MeV)

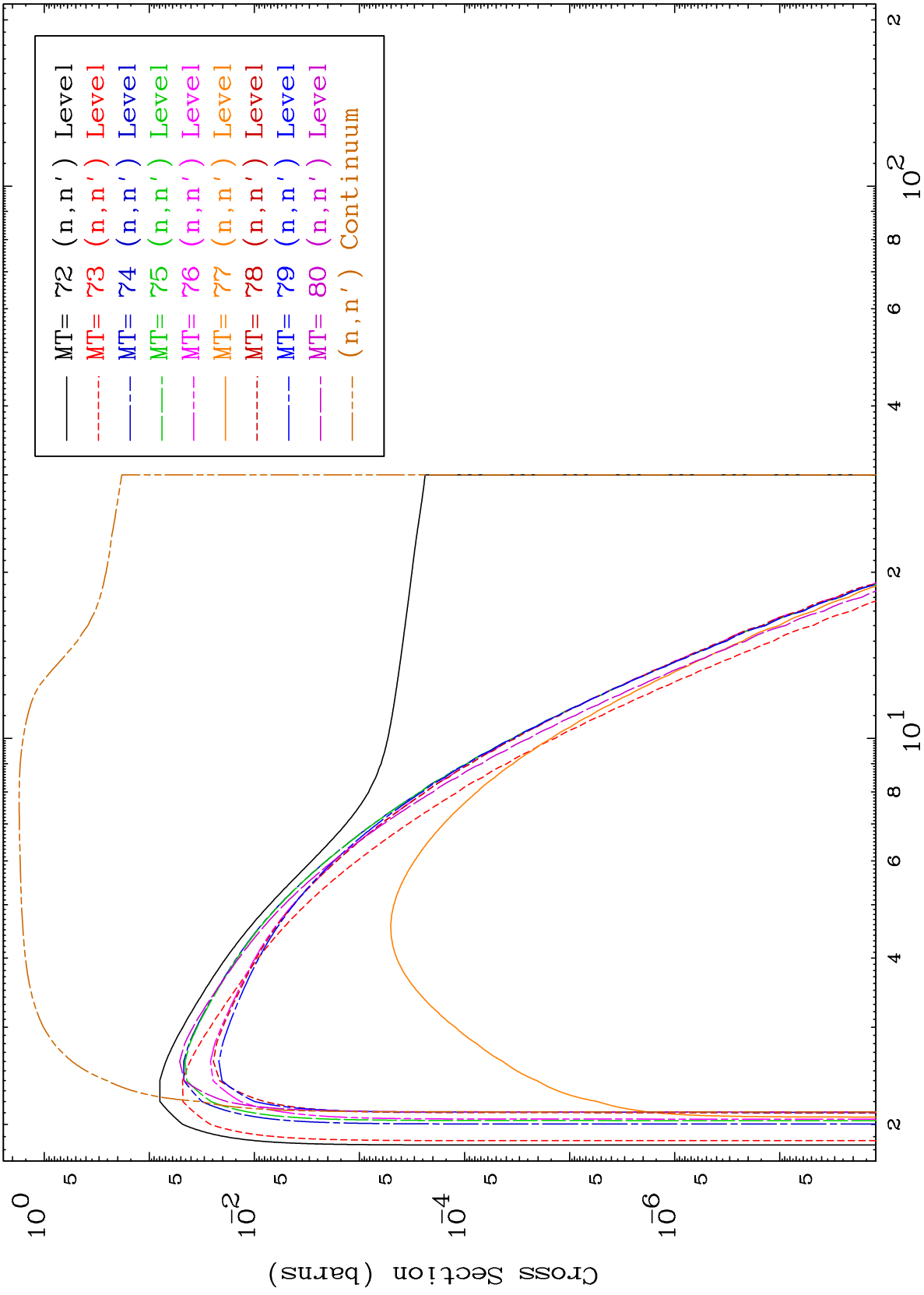
39-Y -87



MAT 3919

(n,n') Level  
293 Kelvin Cross Sections

39-Y -87



8

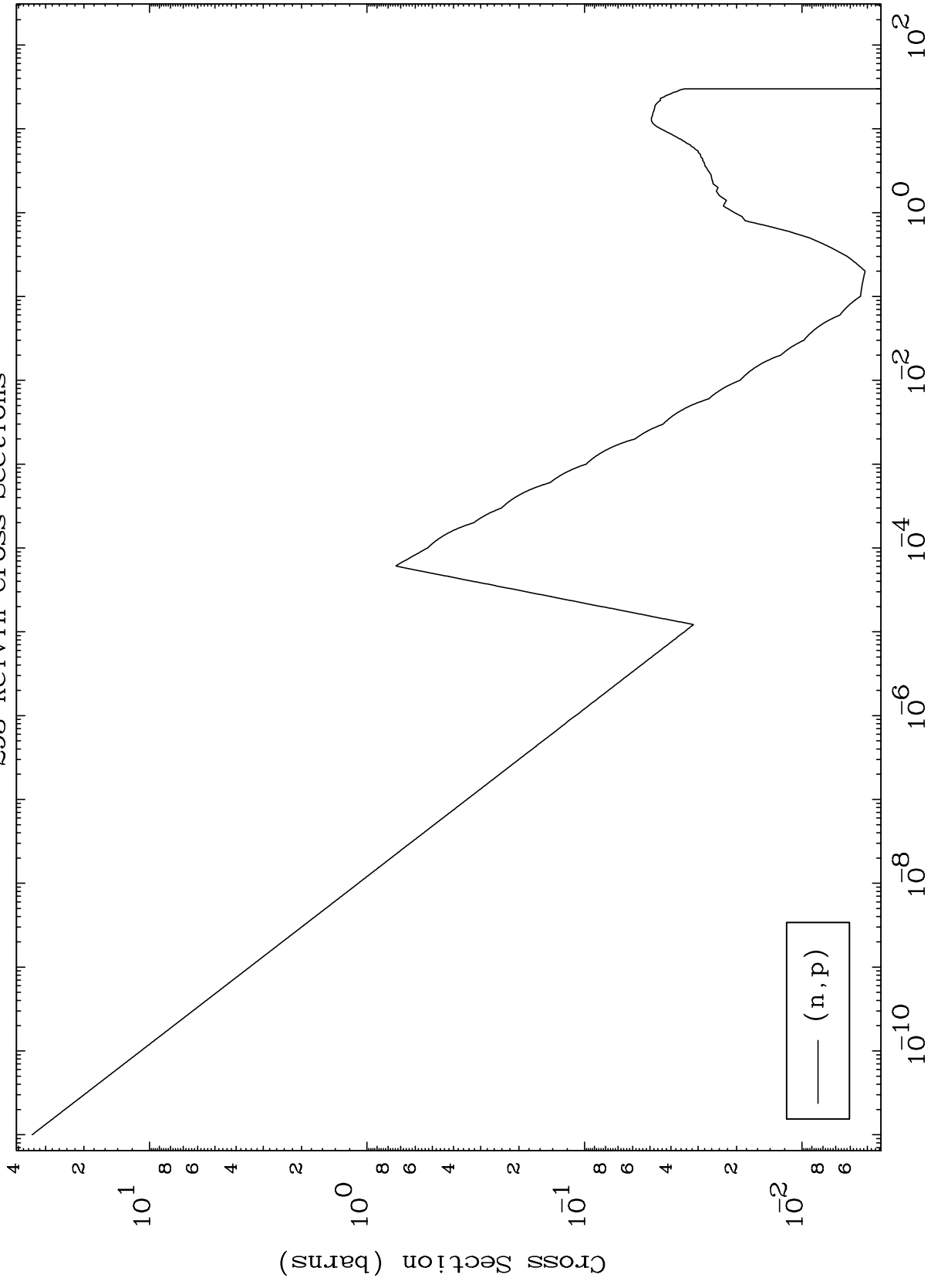
Incident Energy (MeV)

39-Y -87

MAT 3919

(n,p) Levels  
293 Kelvin Cross Sections

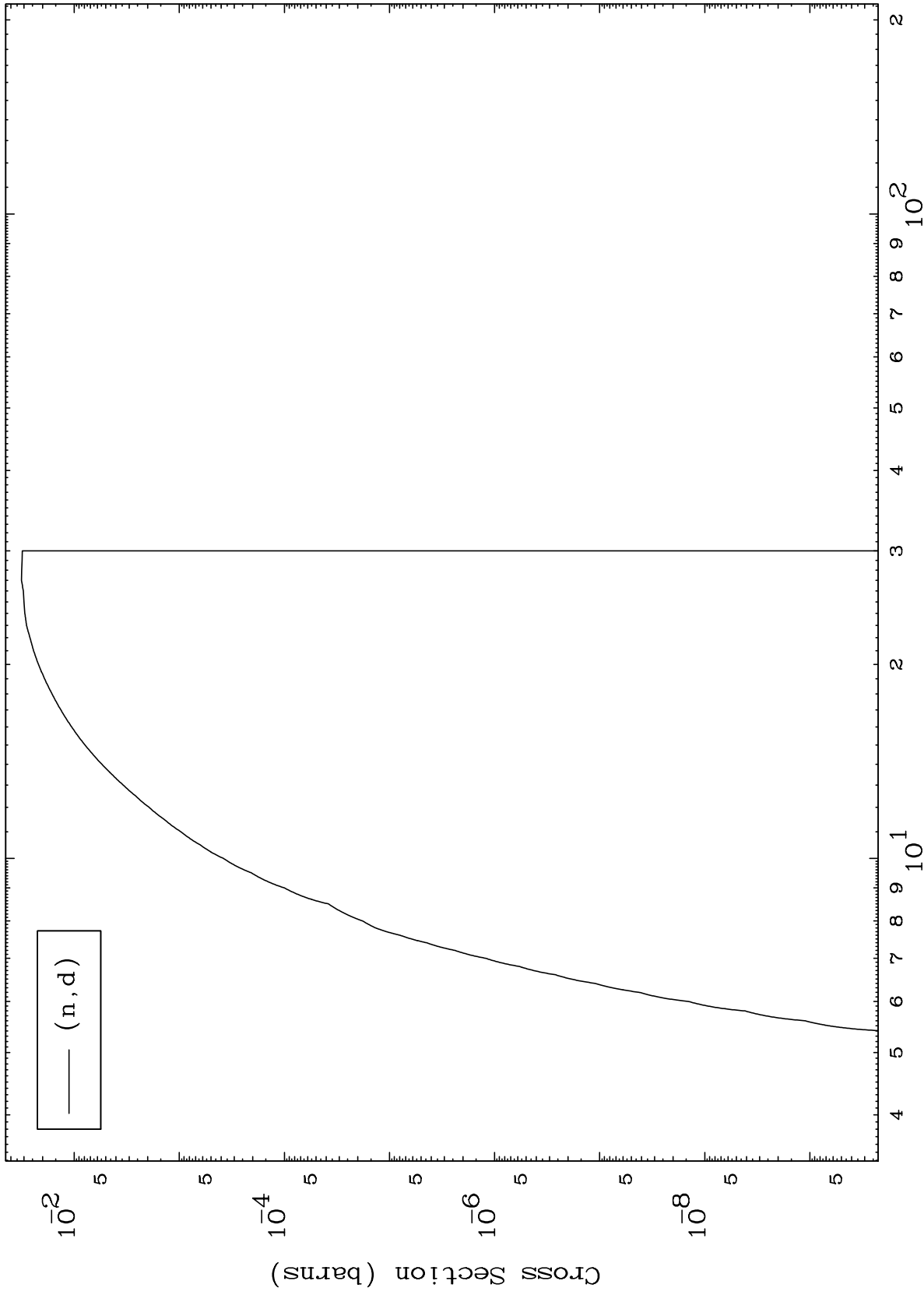
39-Y -87



MAT 3919

(n,d) Levels  
293 Kelvin Cross Sections

39-Y -87



10

Incident Energy (MeV)

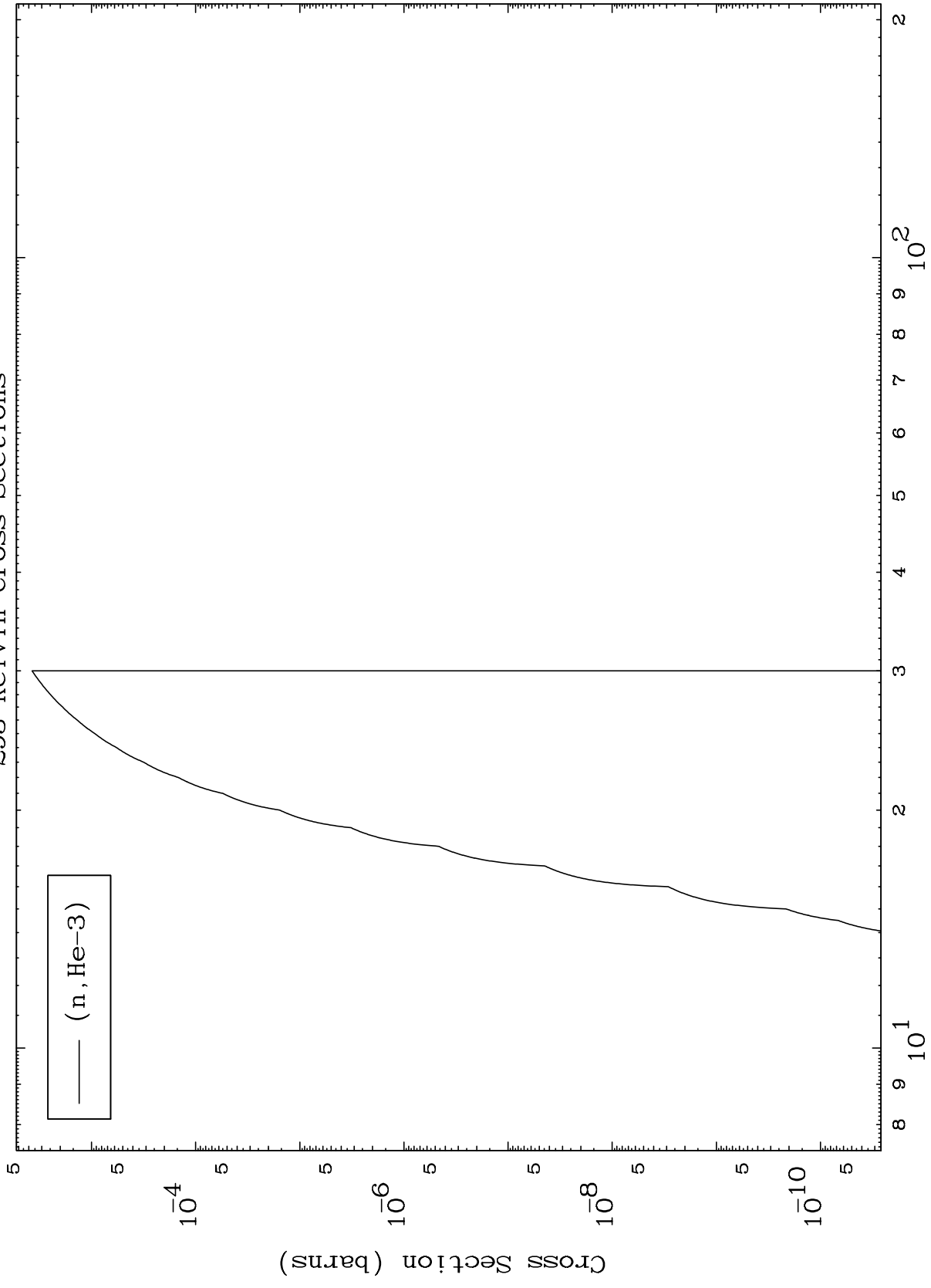
39-Y -87



MAT 3919

(n,He3) Levels  
293 Kelvin Cross Sections

39-Y -87



12

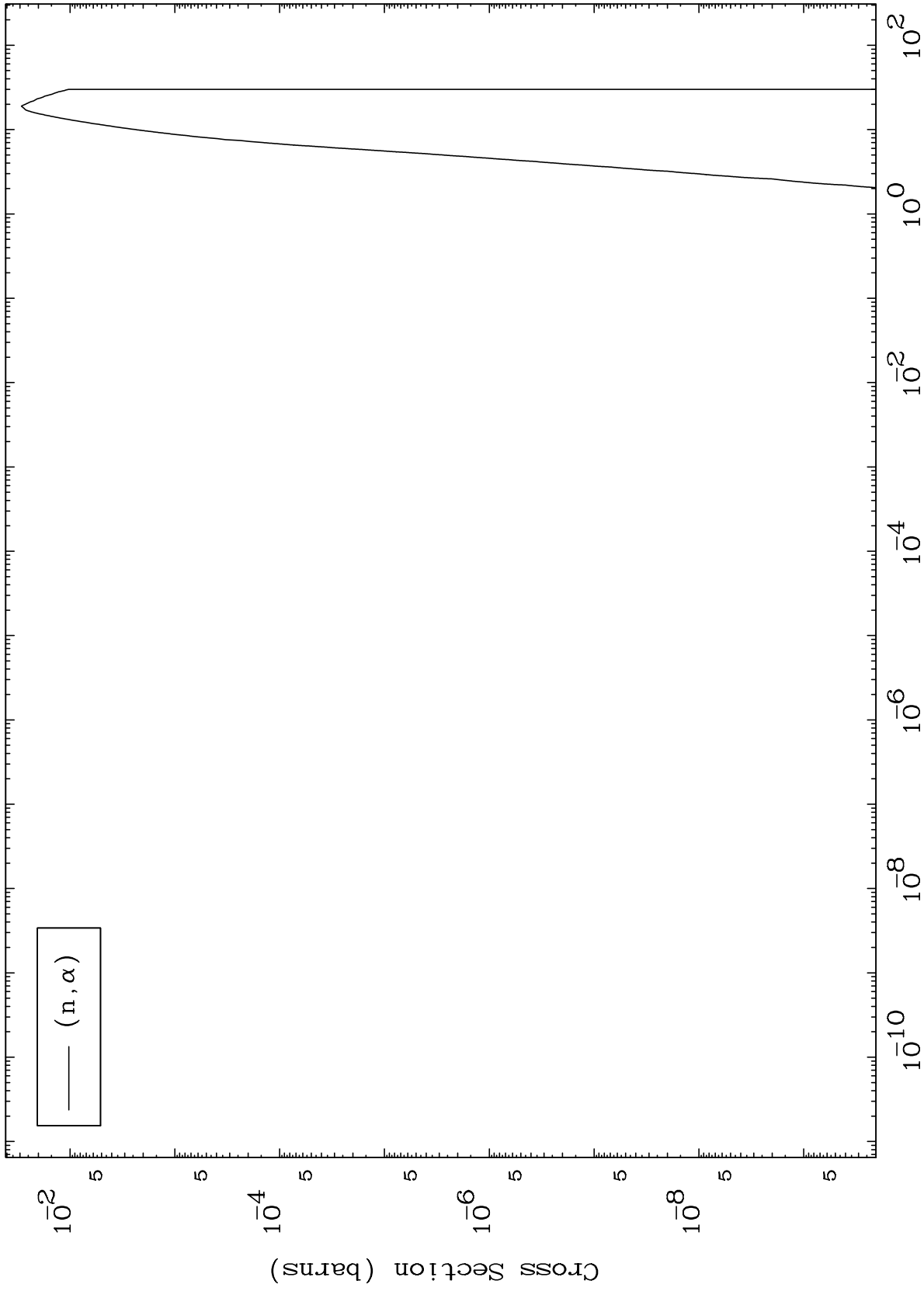
Incident Energy (MeV)

39-Y -87

MAT 3919

(n,α) Levels  
293 Kelvin Cross Sections

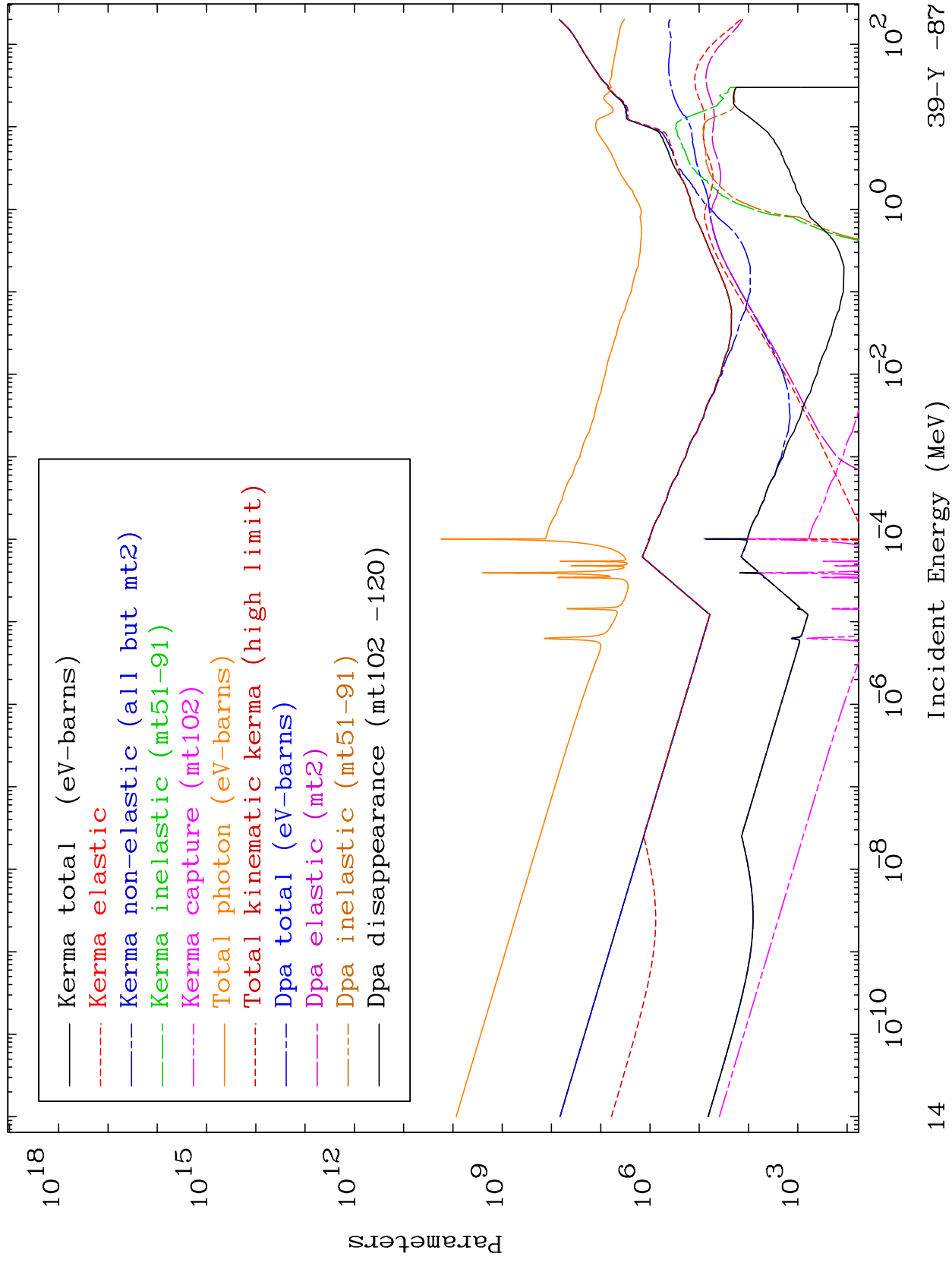
39-Y -87



13

Incident Energy (MeV)

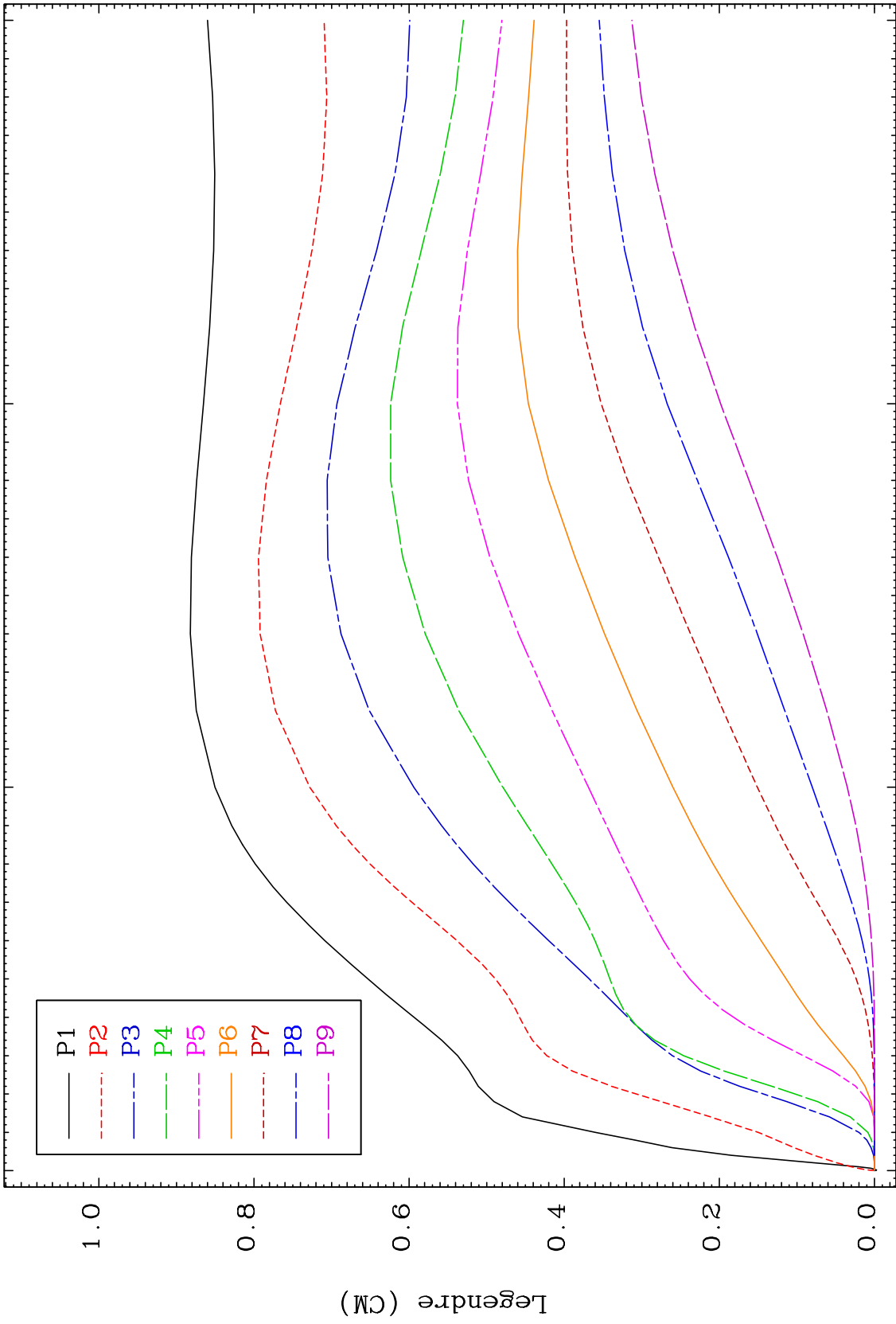
39-Y -87



MAT 3919

Elastic Legendre Coefficients

39-Y -87



15

Incident Energy (MeV)

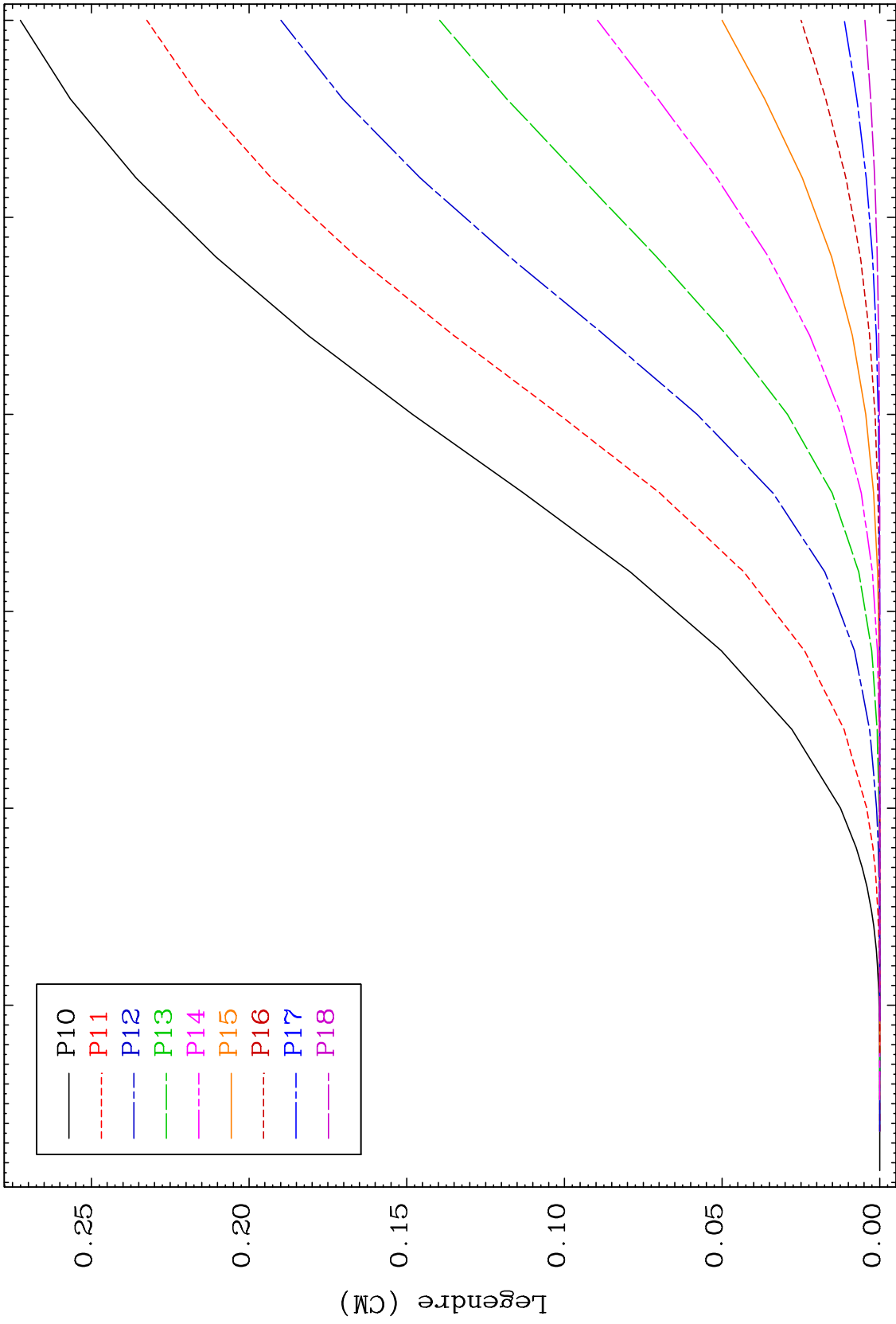
39-Y -87



MAT 3919

Elastic Legendre Coefficients

39-Y -87



16

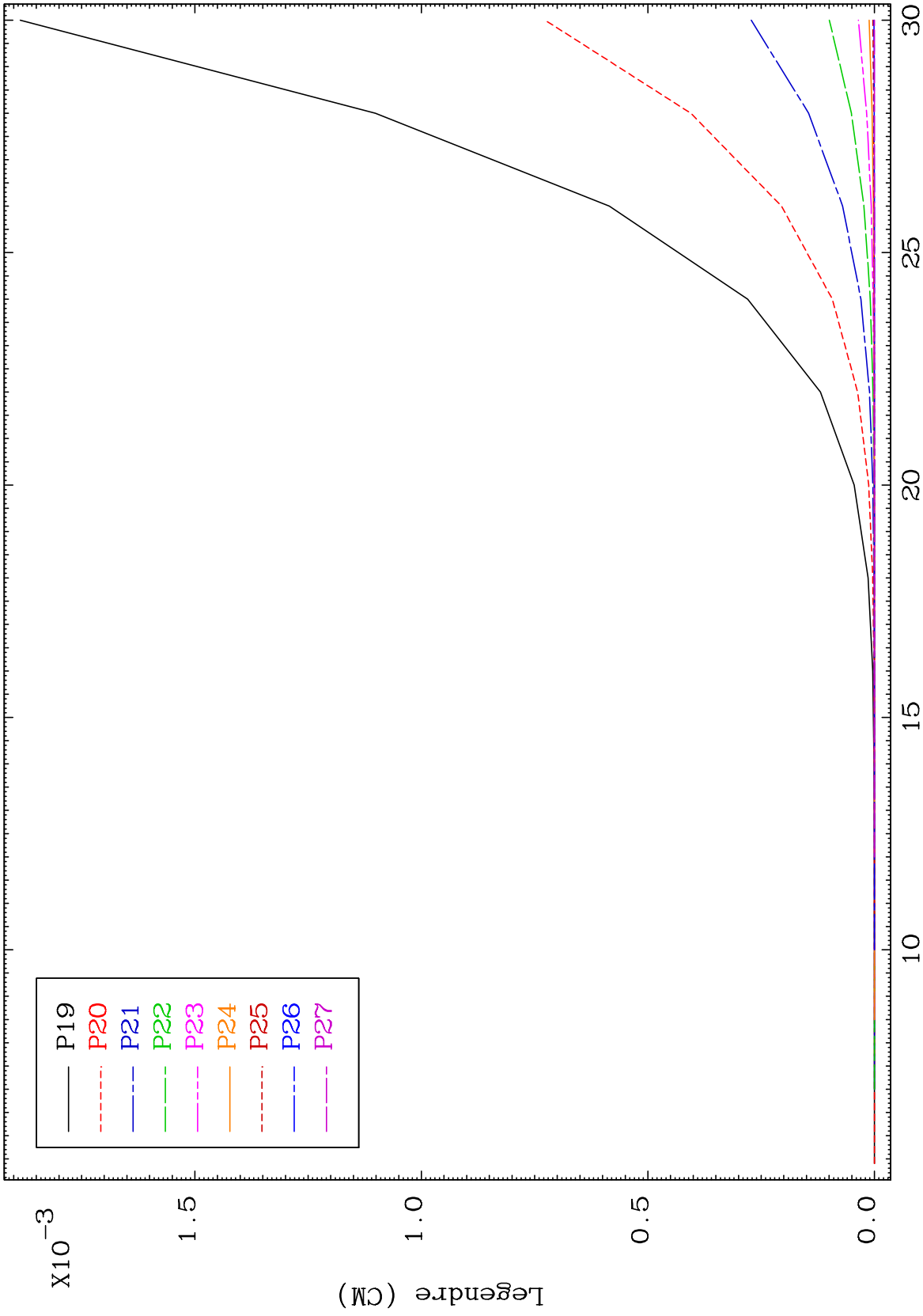
Incident Energy (MeV)

39-Y -87

MAT 3919

### Elastic Legendre Coefficients

39-Y -87



17

Incident Energy (MeV)

39-Y -87

MAT 3919

39-Y -87

Elastic Legendre Coefficients

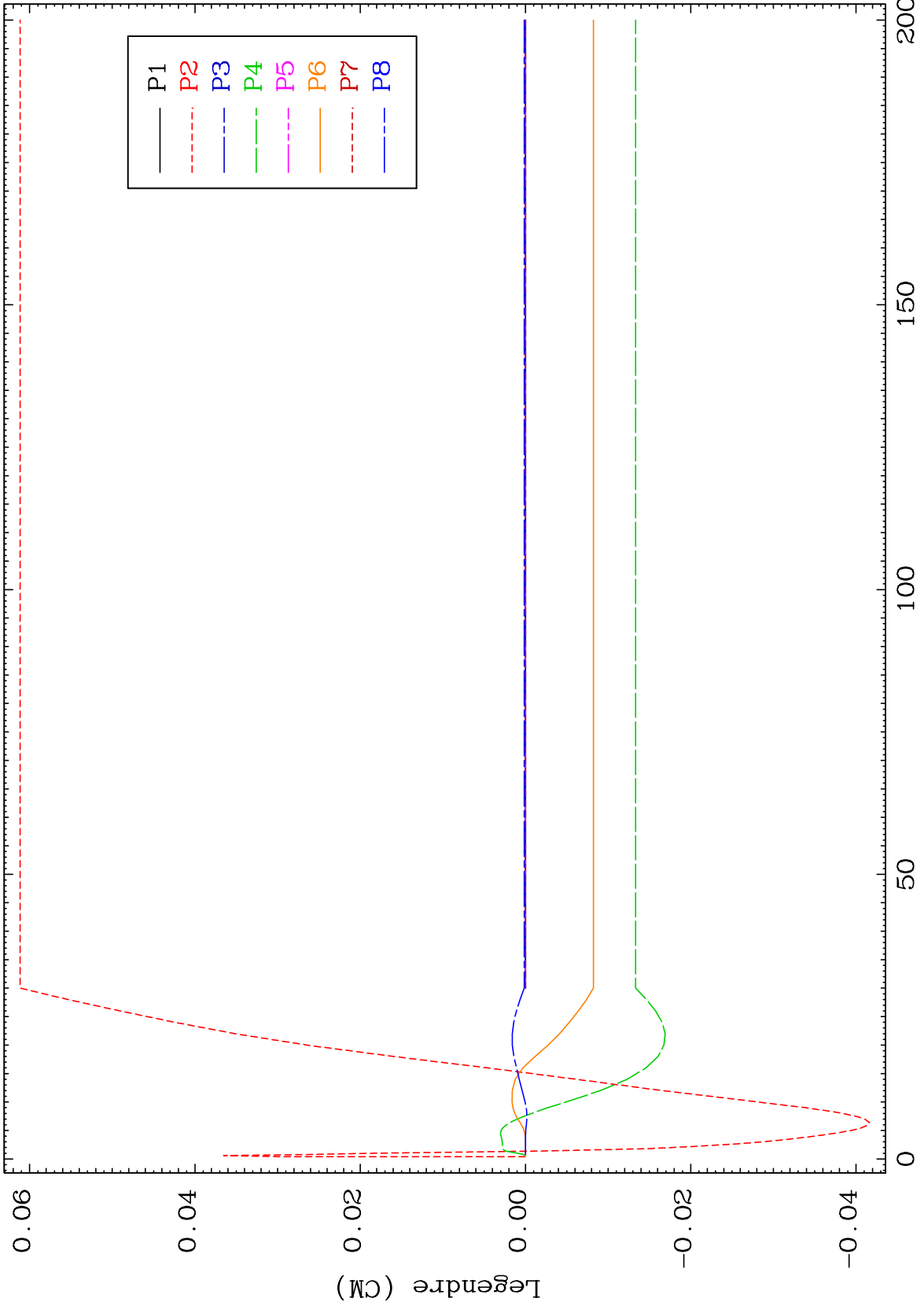


18

Incident Energy (MeV)

39-Y -87

MAT 3919 MT= 51 (n,n') Level Legendre Coefficients 39-Y -87

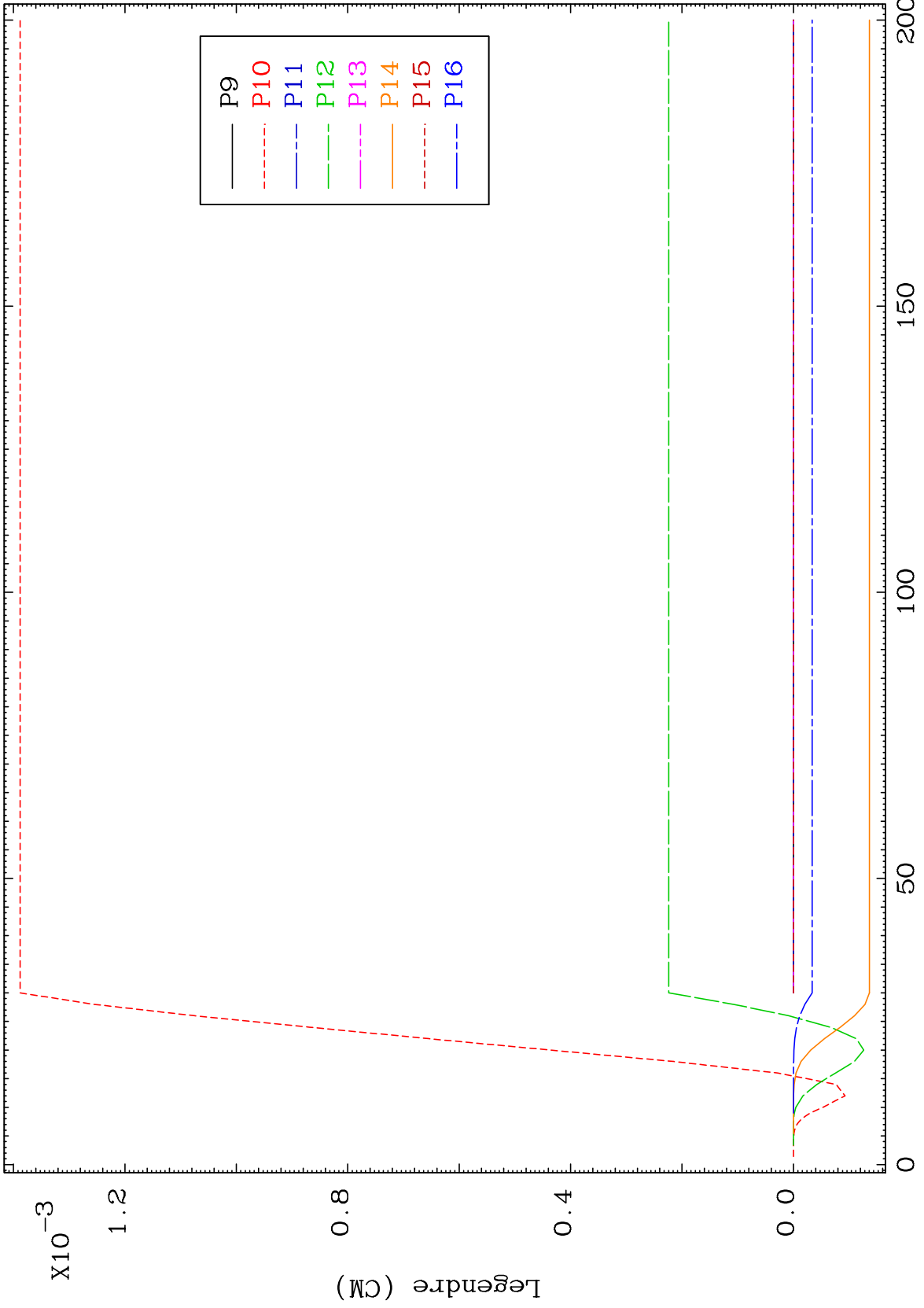


19 39-Y -87

MAT 3919

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

39-Y -87



0

50

100

150

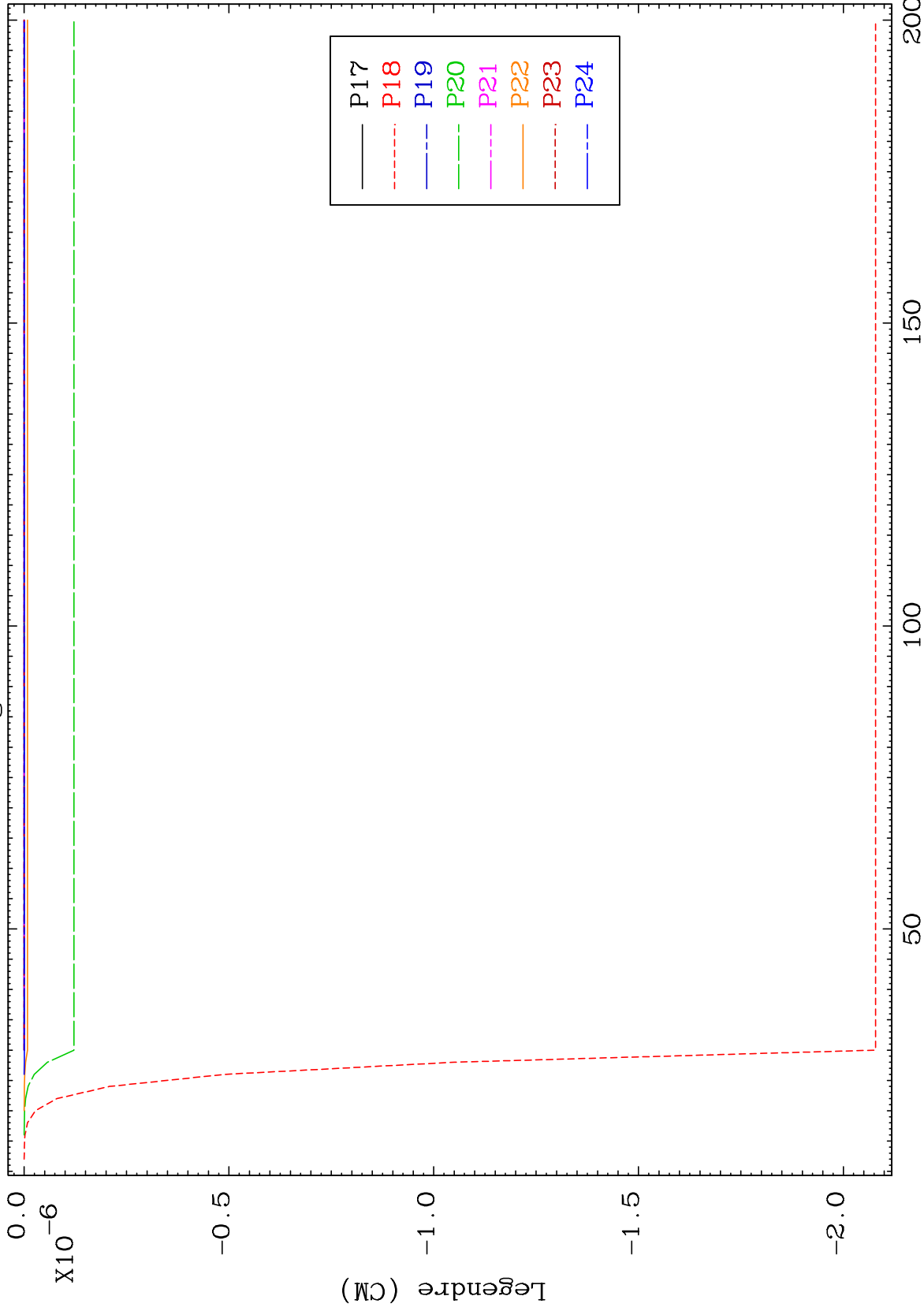
200

Incident Energy (MeV)

39-Y -87

MAT 3919 MT= 51 (n,n') Level 39-Y -87

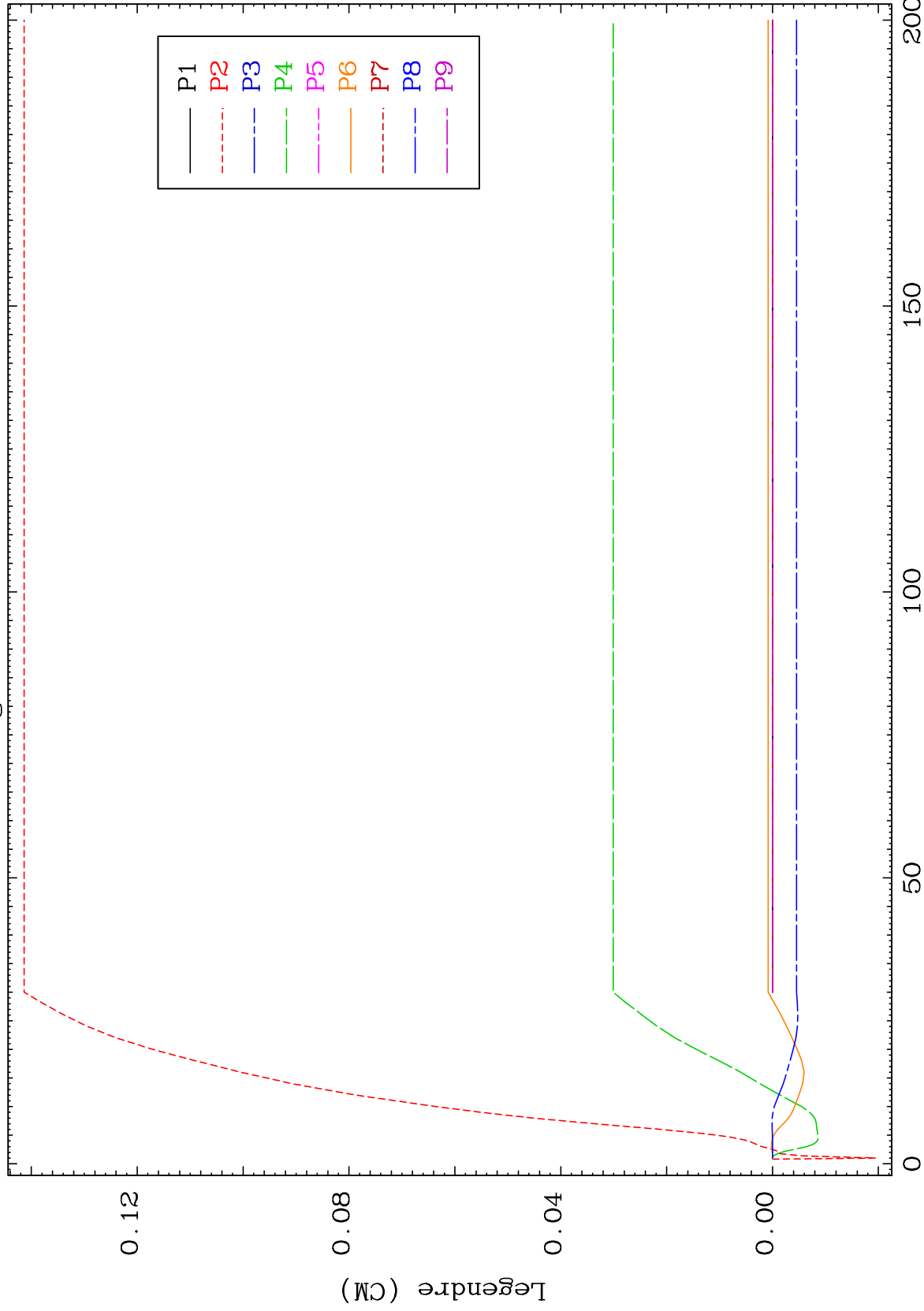
Legendre Coefficients



MAT 3919

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

39-Y -87



22

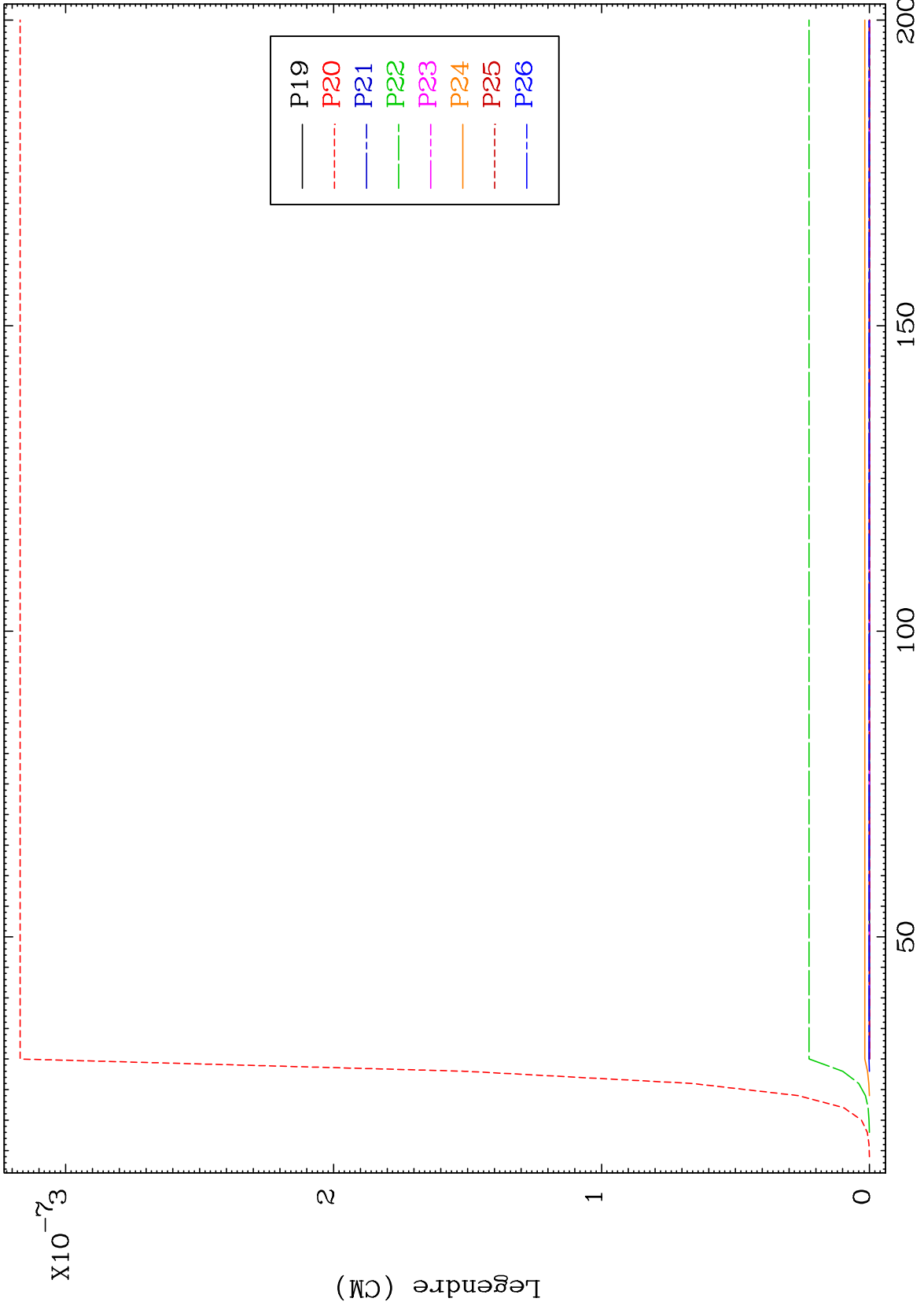
Incident Energy (MeV)

39-Y -87



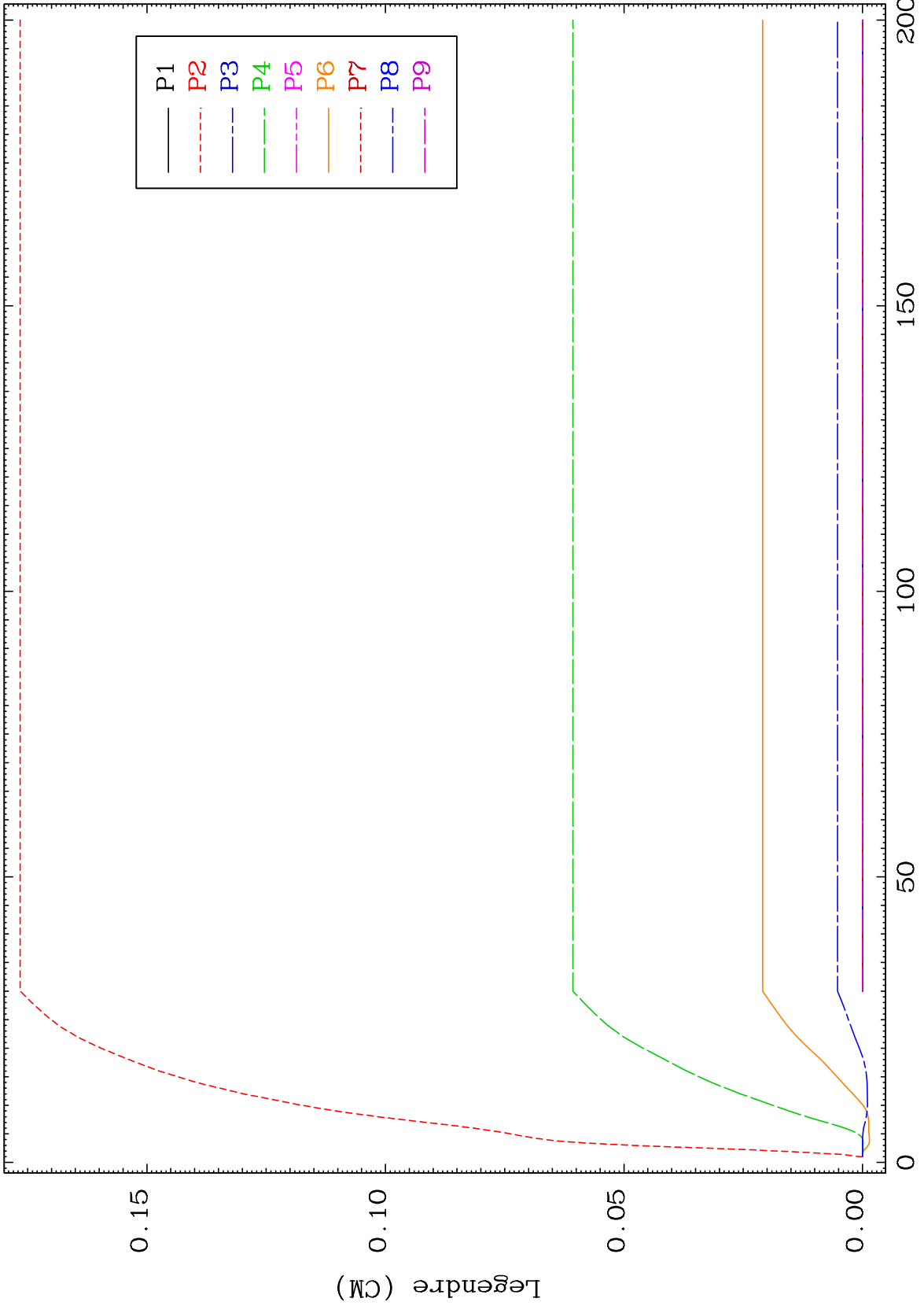


MAT 3919 MT= 52 (n,n') Level Legendre Coefficients 39-Y -87



24 Incident Energy (MeV) 39-Y -87

MAT 3919 MT= 53 (n,n') Level Legendre Coefficients 39-Y -87

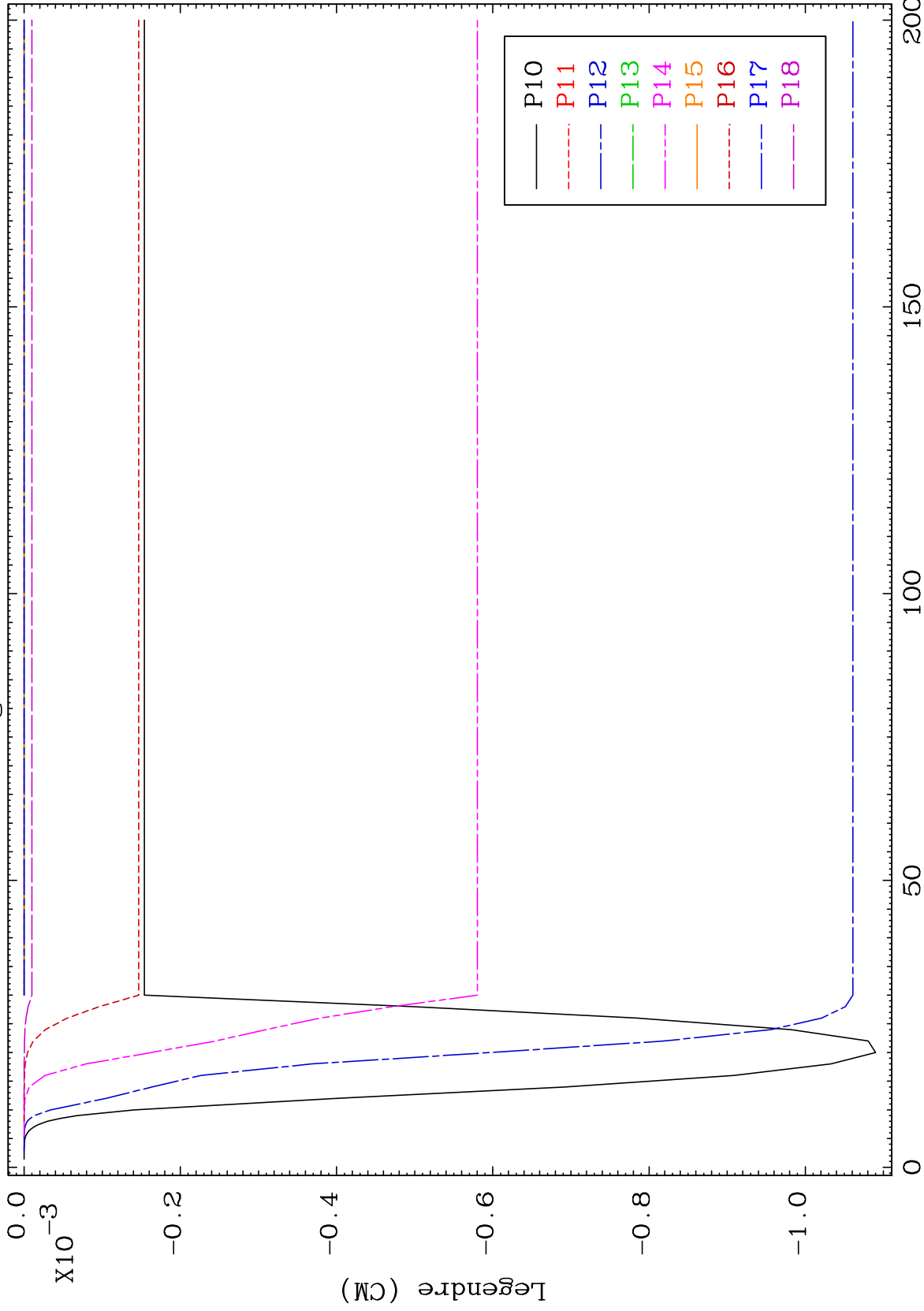


Incident Energy (MeV) 39-Y -87

MAT 3919

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

39-Y -87



26

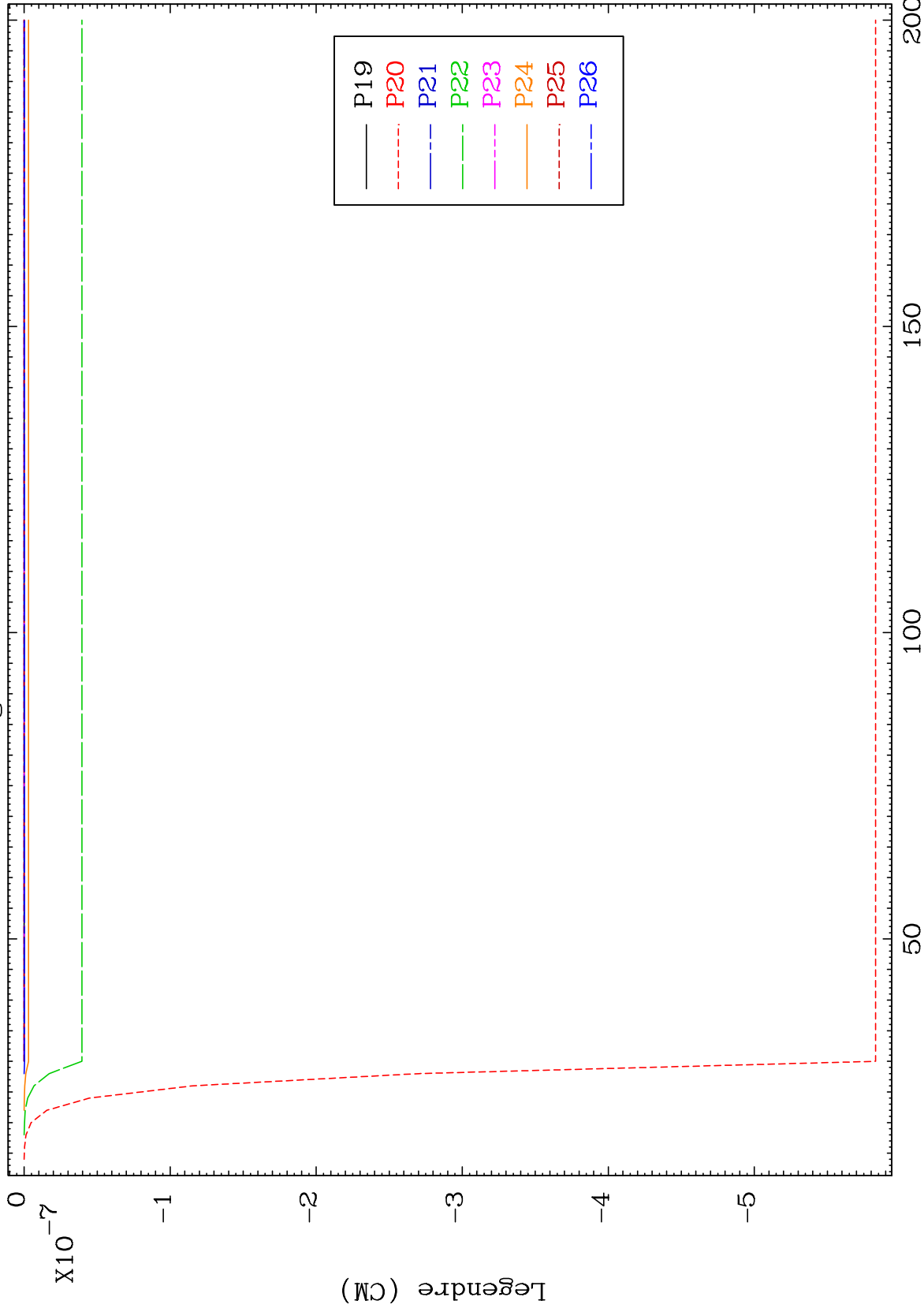
Incident Energy (MeV)

39-Y -87

MAT 3919 MT= 53 (n,n') Level

Legendre Coefficients

39-Y -87

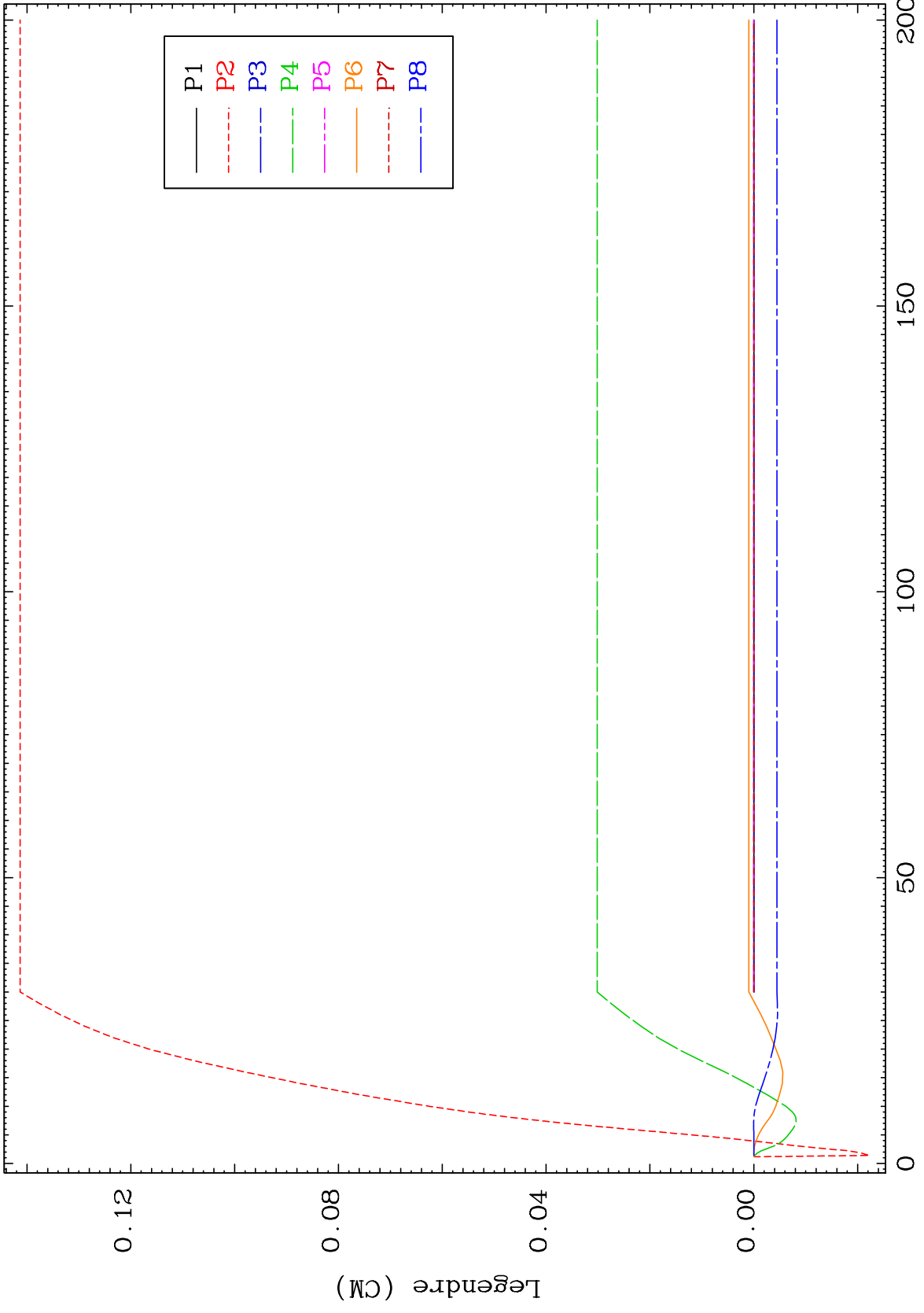


39-Y -87

Incident Energy (MeV)

27

MAT 3919 MT= 54 (n,n') Level Legendre Coefficients 39-Y -87

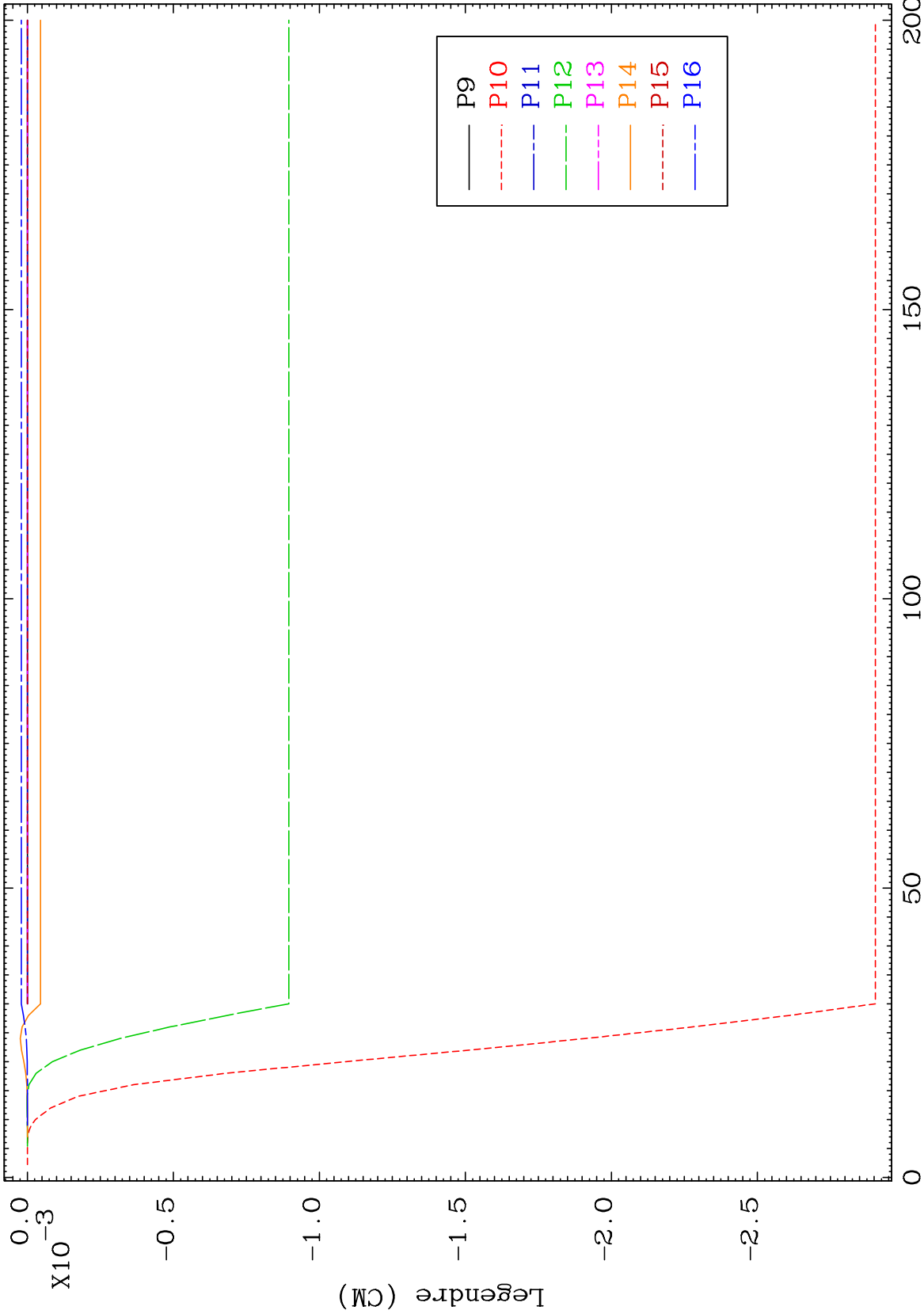


39-Y -87

MAT 3919

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

39-Y -87



29

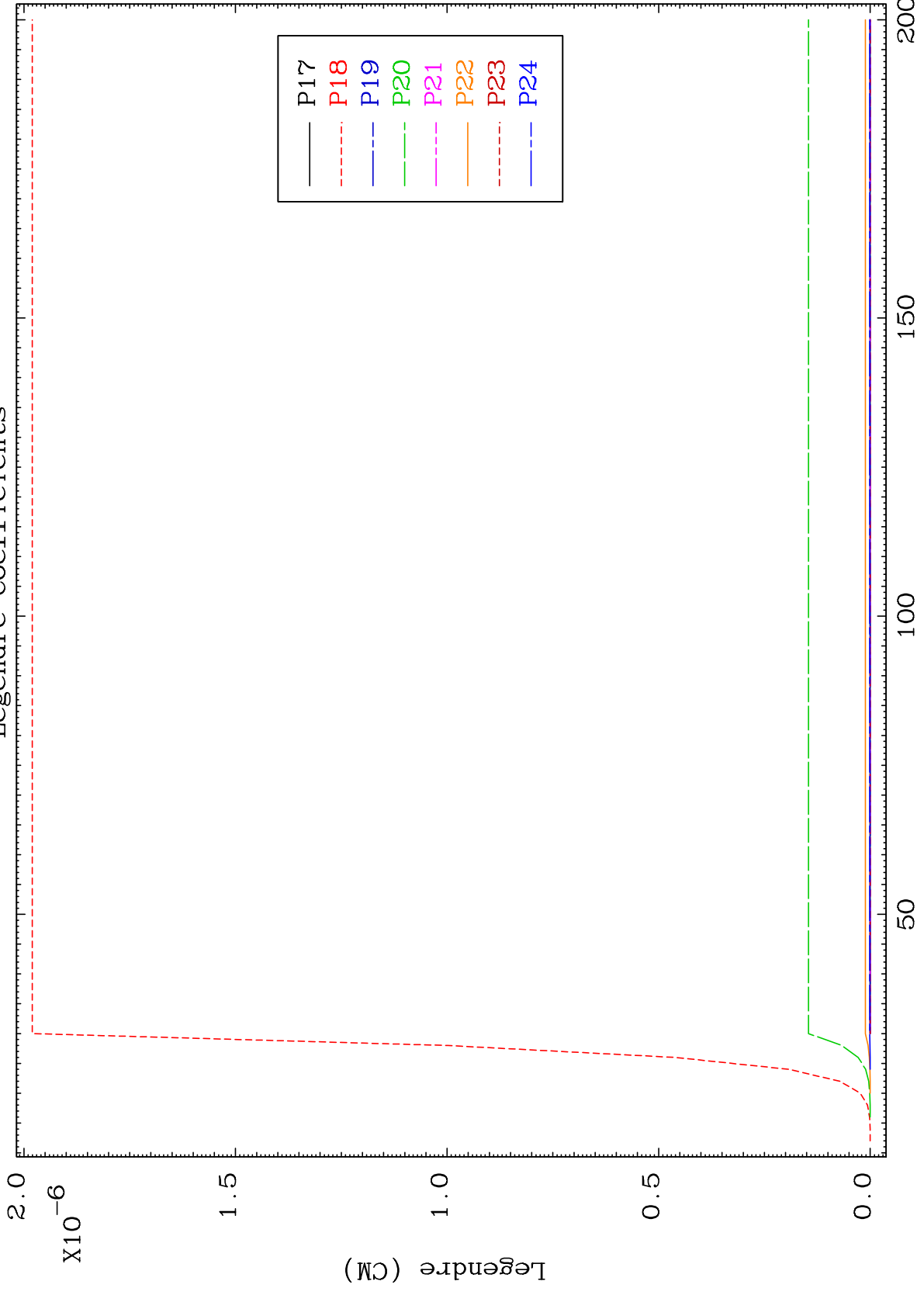
Incident Energy (MeV)

39-Y -87

MAT 3919

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

39-Y -87



39-Y -87

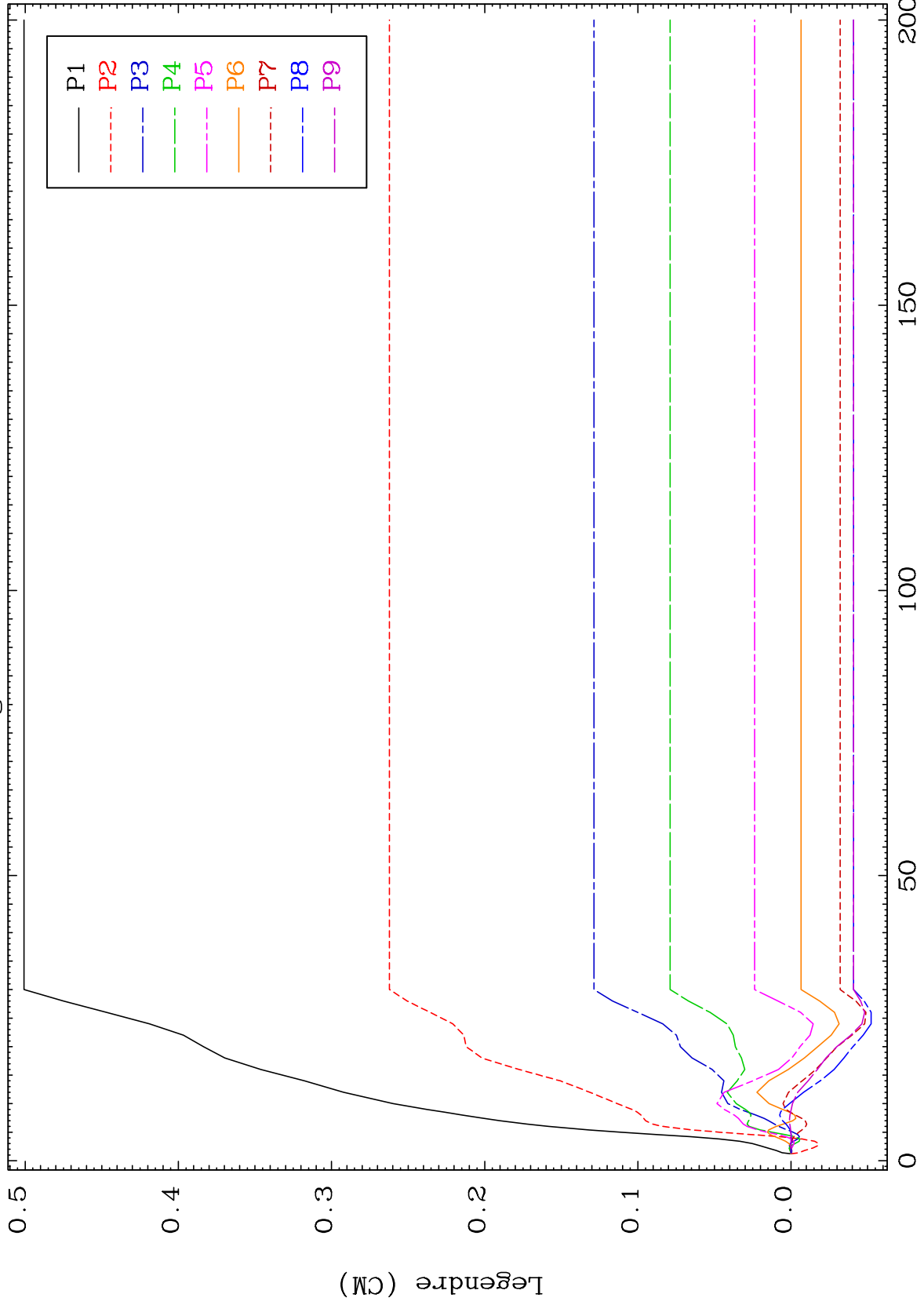
Incident Energy (MeV)

30

MAT 3919

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

39-Y -87



31

Incident Energy (MeV)

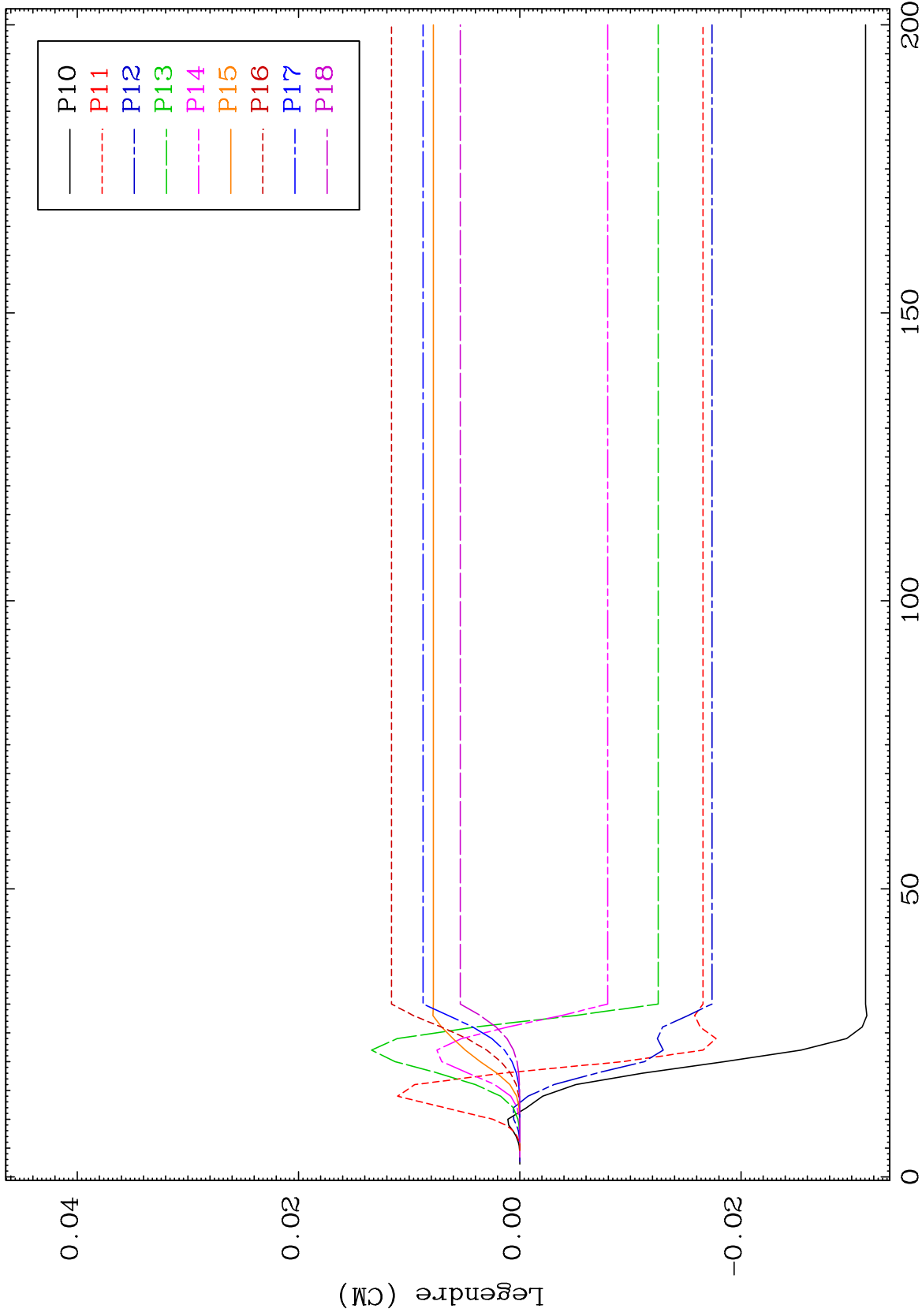
39-Y -87



MAT 3919

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

39-Y -87



32

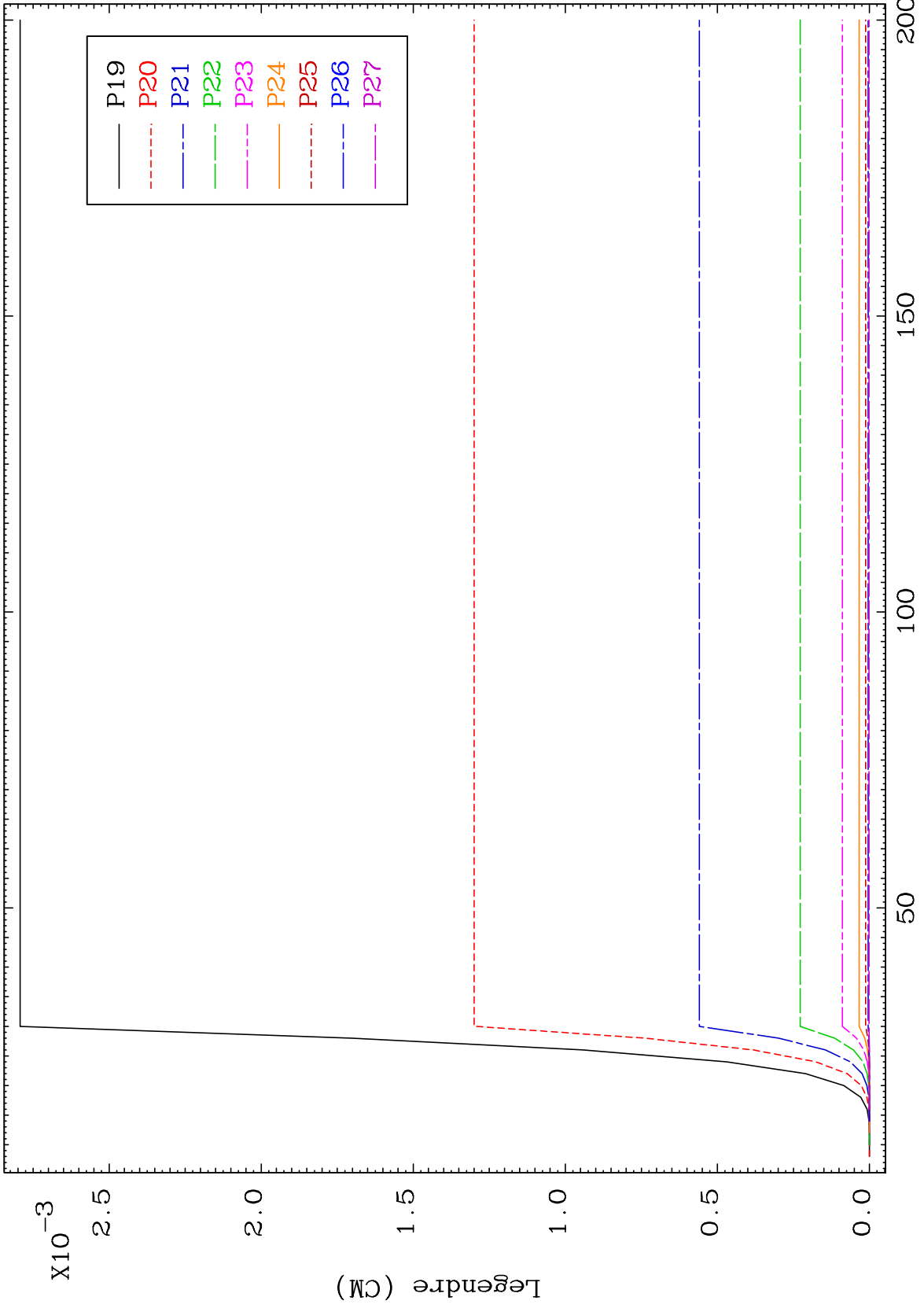
Incident Energy (MeV)

39-Y -87

MAT 3919

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

39-Y -87



33

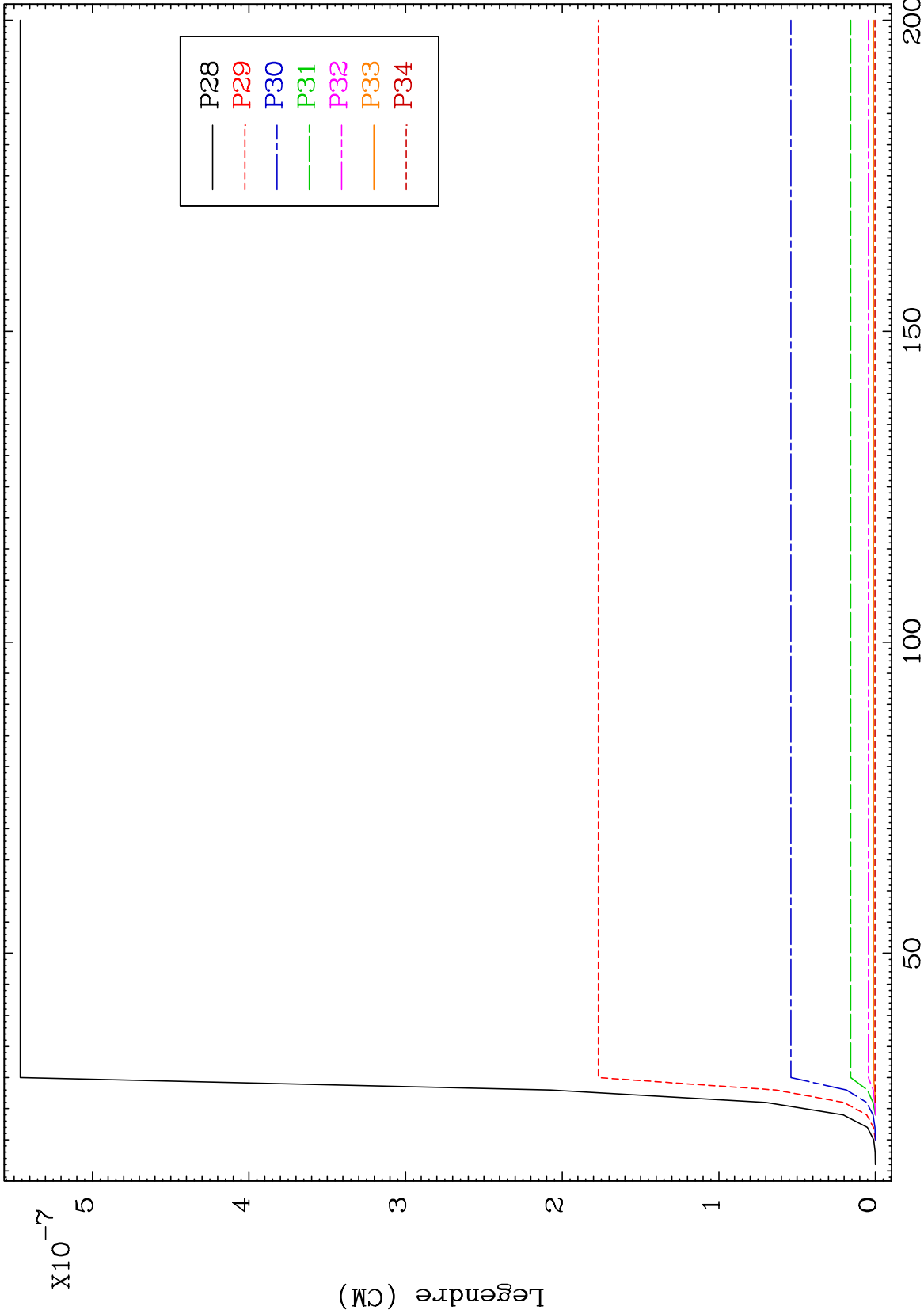
Incident Energy (MeV)

39-Y -87

MAT 3919

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

39-Y -87

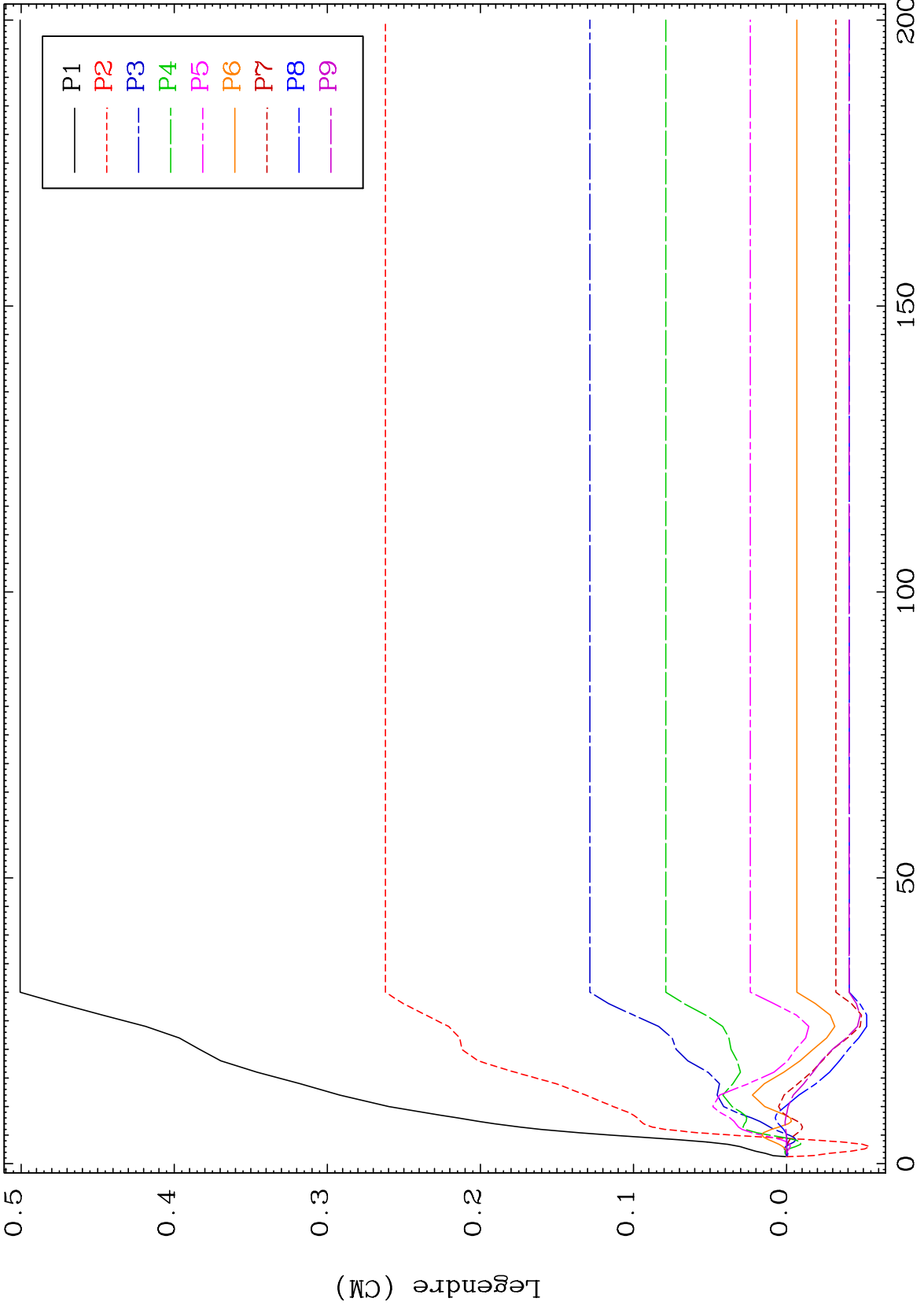


34

Incident Energy (MeV)

39-Y -87

MAT 3919 MT= 56 (n,n') Level Legendre Coefficients 39-Y -87

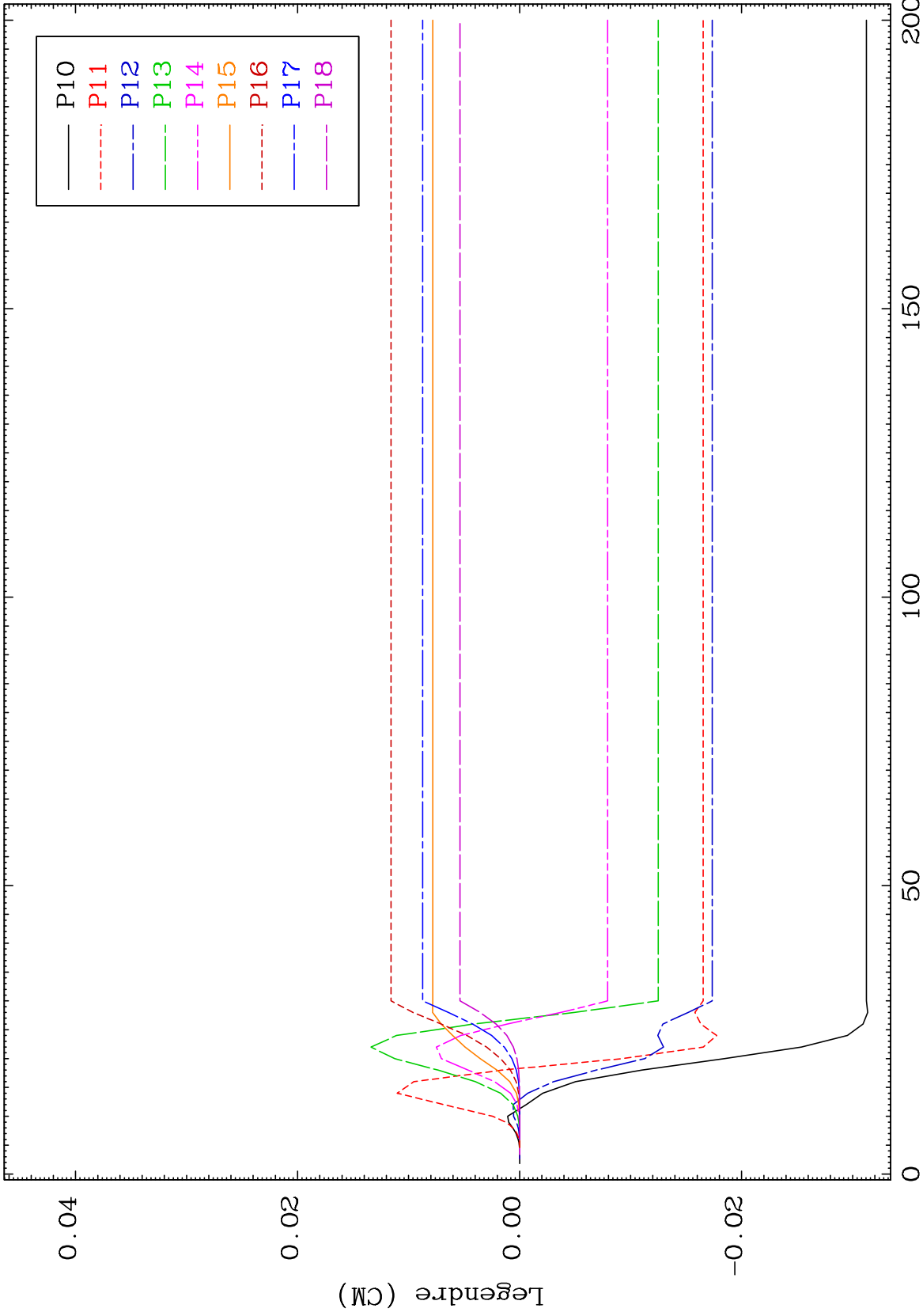


35 39-Y -87

MAT 3919

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

39-Y -87



36

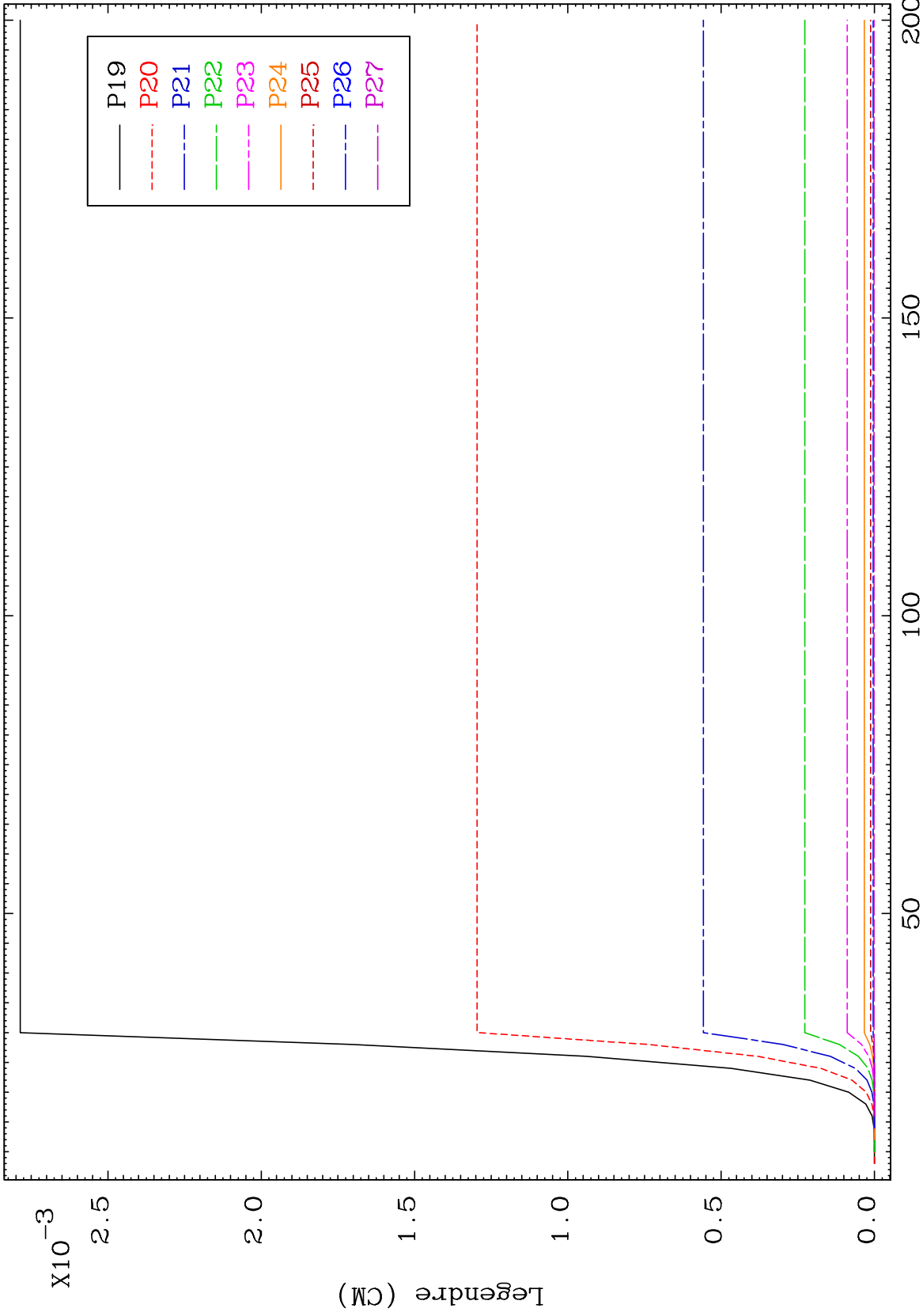
Incident Energy (MeV)

39-Y -87

MAT 3919

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

39-Y -87



37

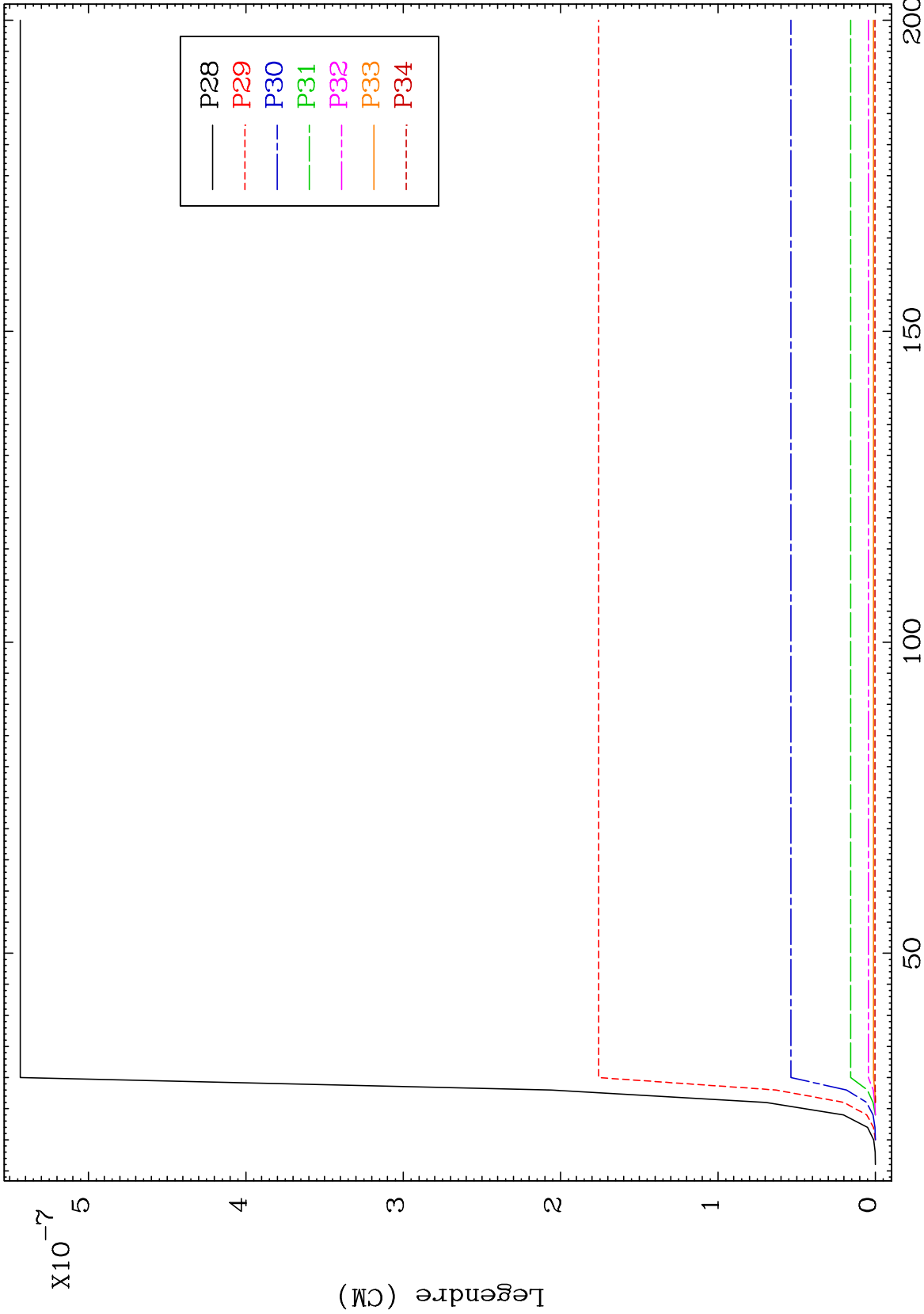
Incident Energy (MeV)

39-Y -87

MAT 3919

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

39-Y -87

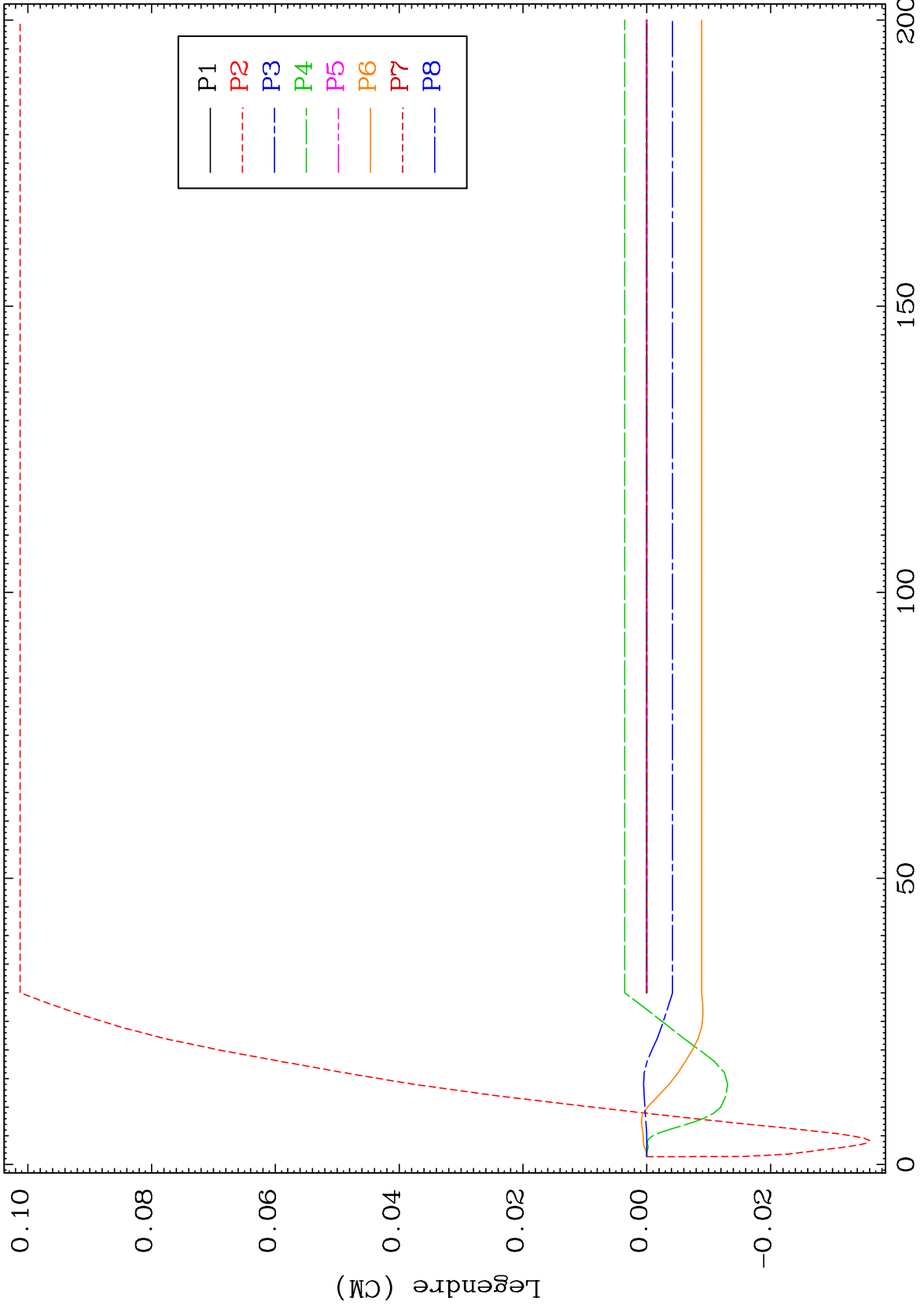


38

Incident Energy (MeV)

39-Y -87

MAT 3919 MT= 57 (n,n') Level Legendre Coefficients 39-Y -87



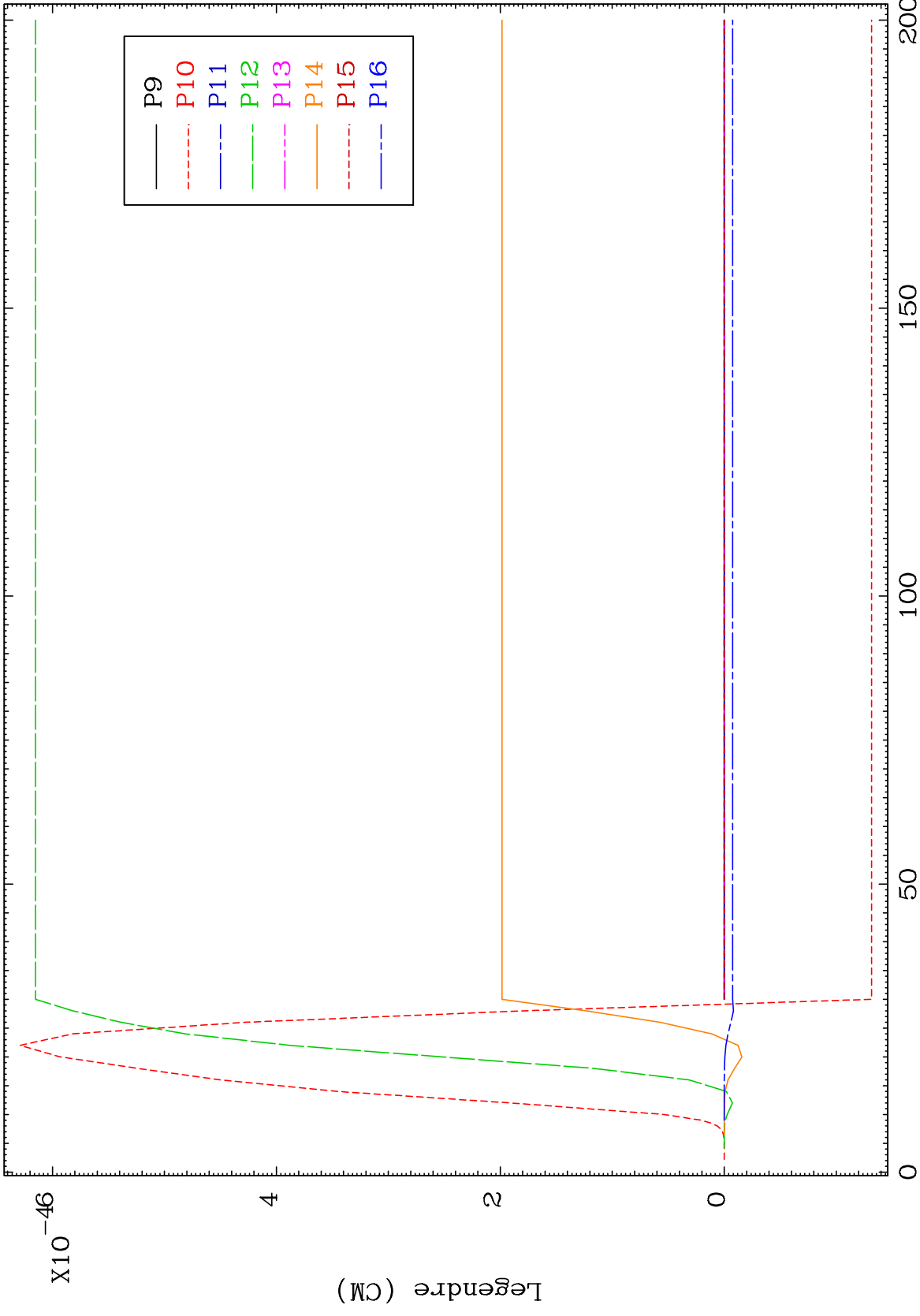
39 Incident Energy (MeV) 39-Y -87



MAT 3919

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

39-Y -87



39-Y -87

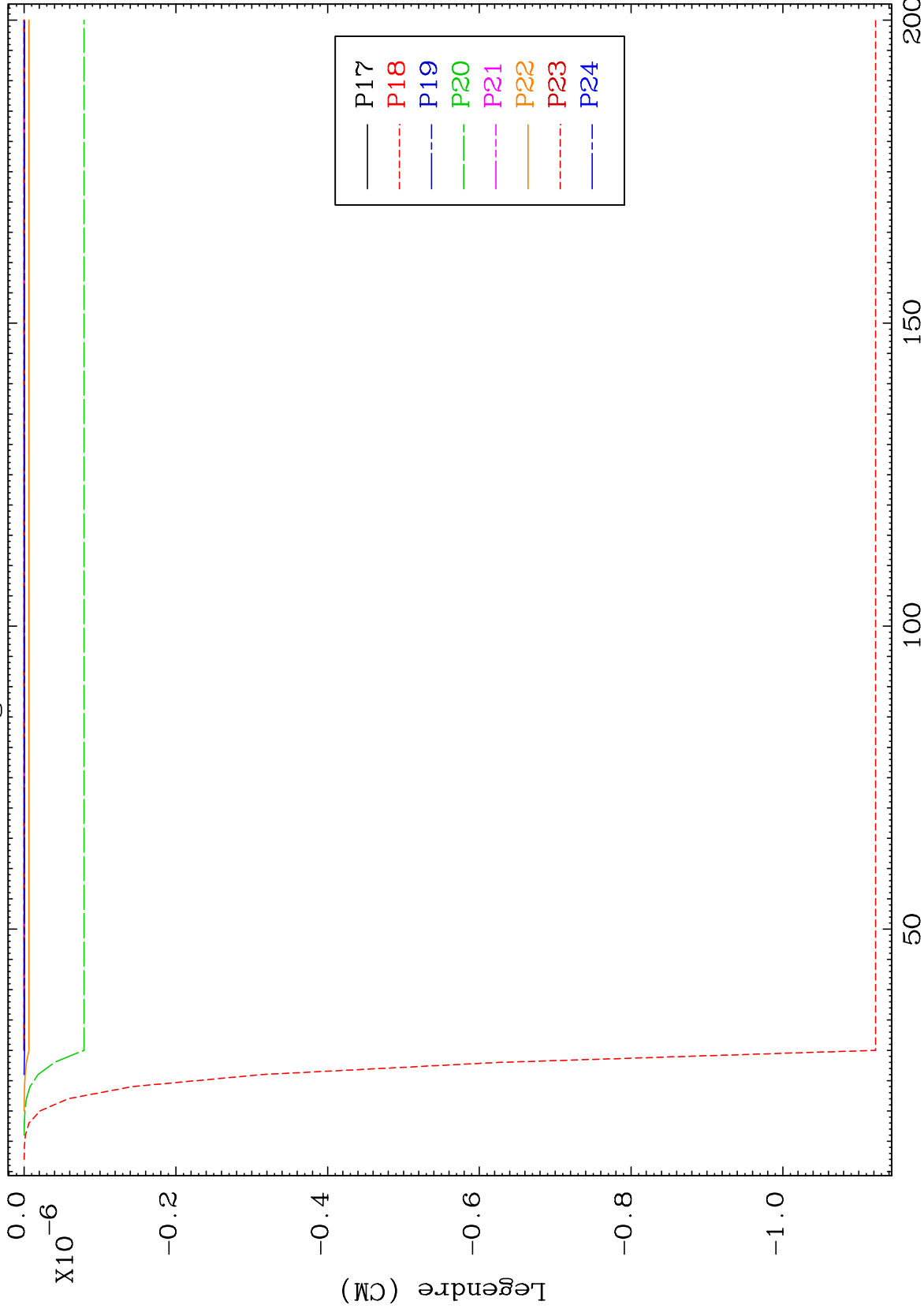
Incident Energy (MeV)

40

MAT 3919

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

39-Y -87



39-Y -87

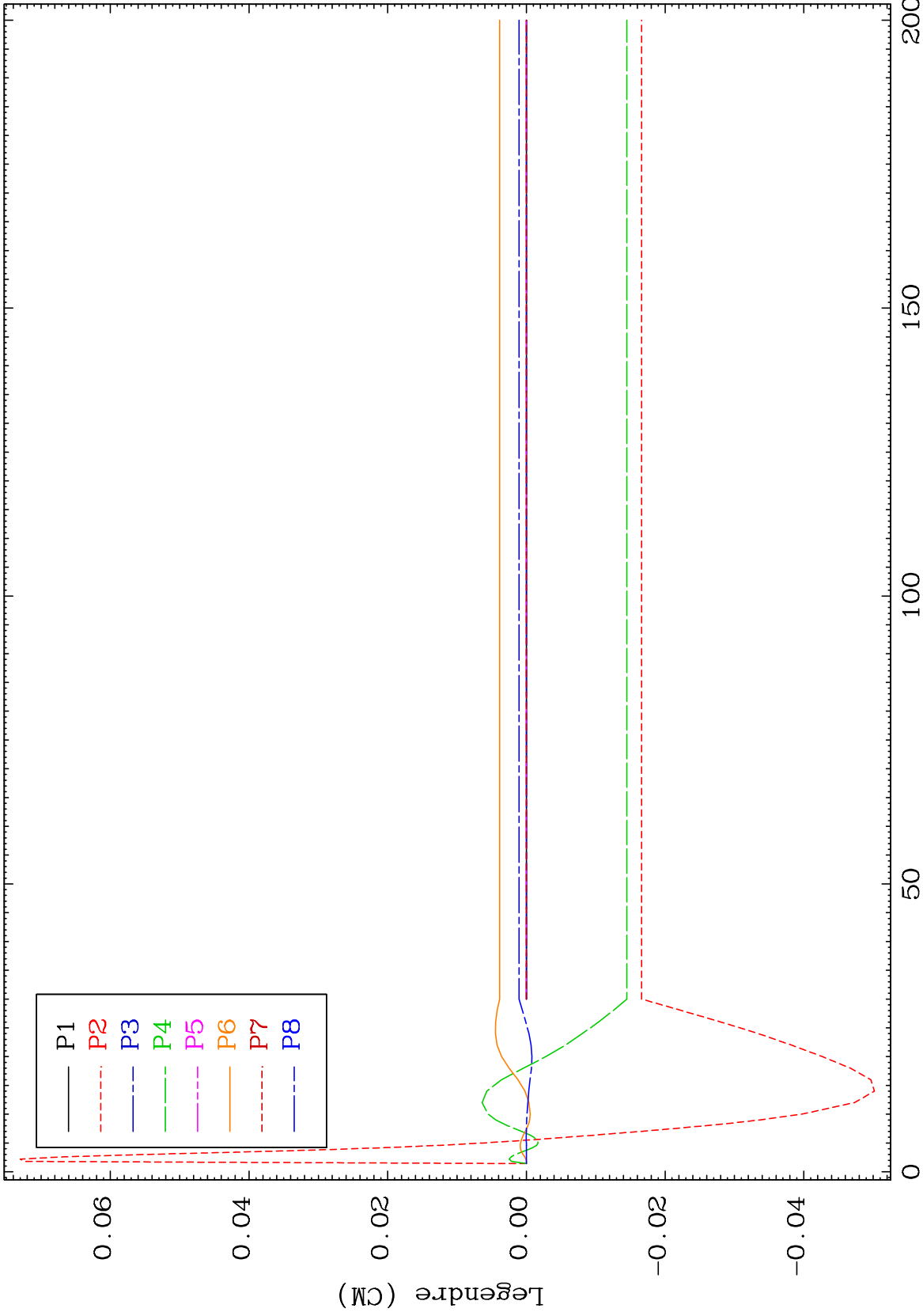
Incident Energy (MeV)

41

MAT 3919

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

39-Y -87



42

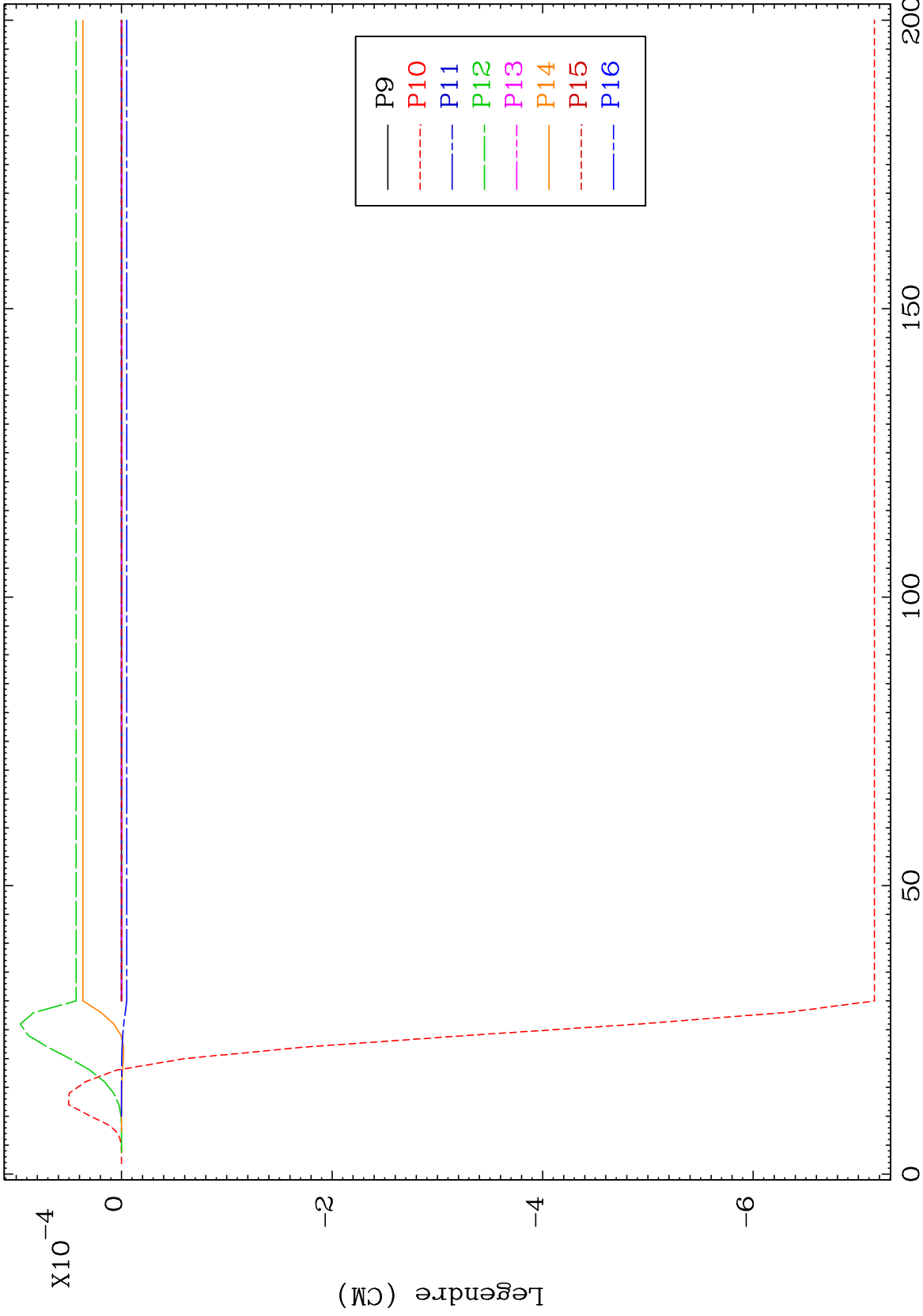
Incident Energy (MeV)

39-Y -87

MAT 3919

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

39-Y -87

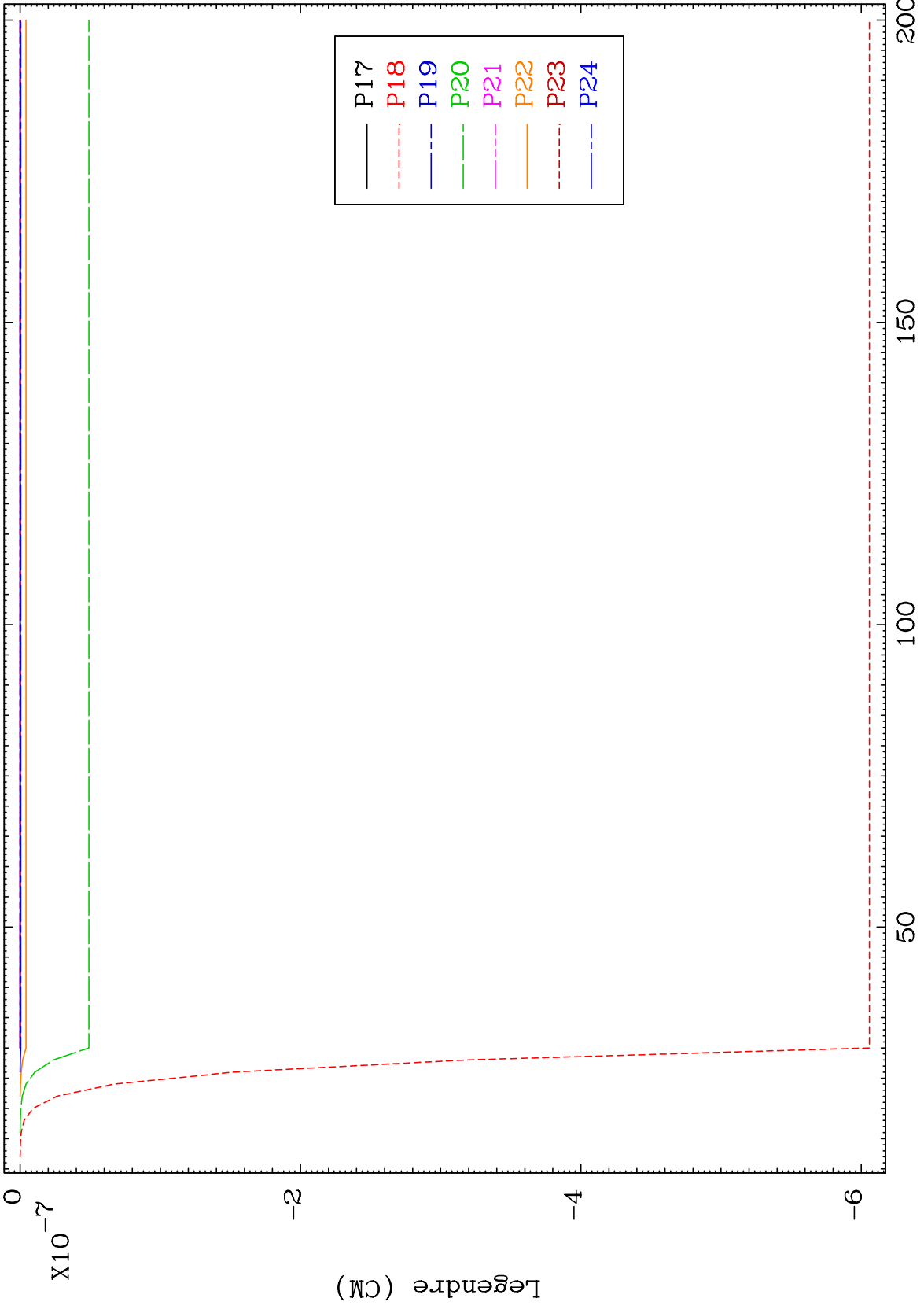


43

Incident Energy (MeV)

39-Y -87

MAT 3919 MT= 58 (n,n') Level Legendre Coefficients 39-Y -87

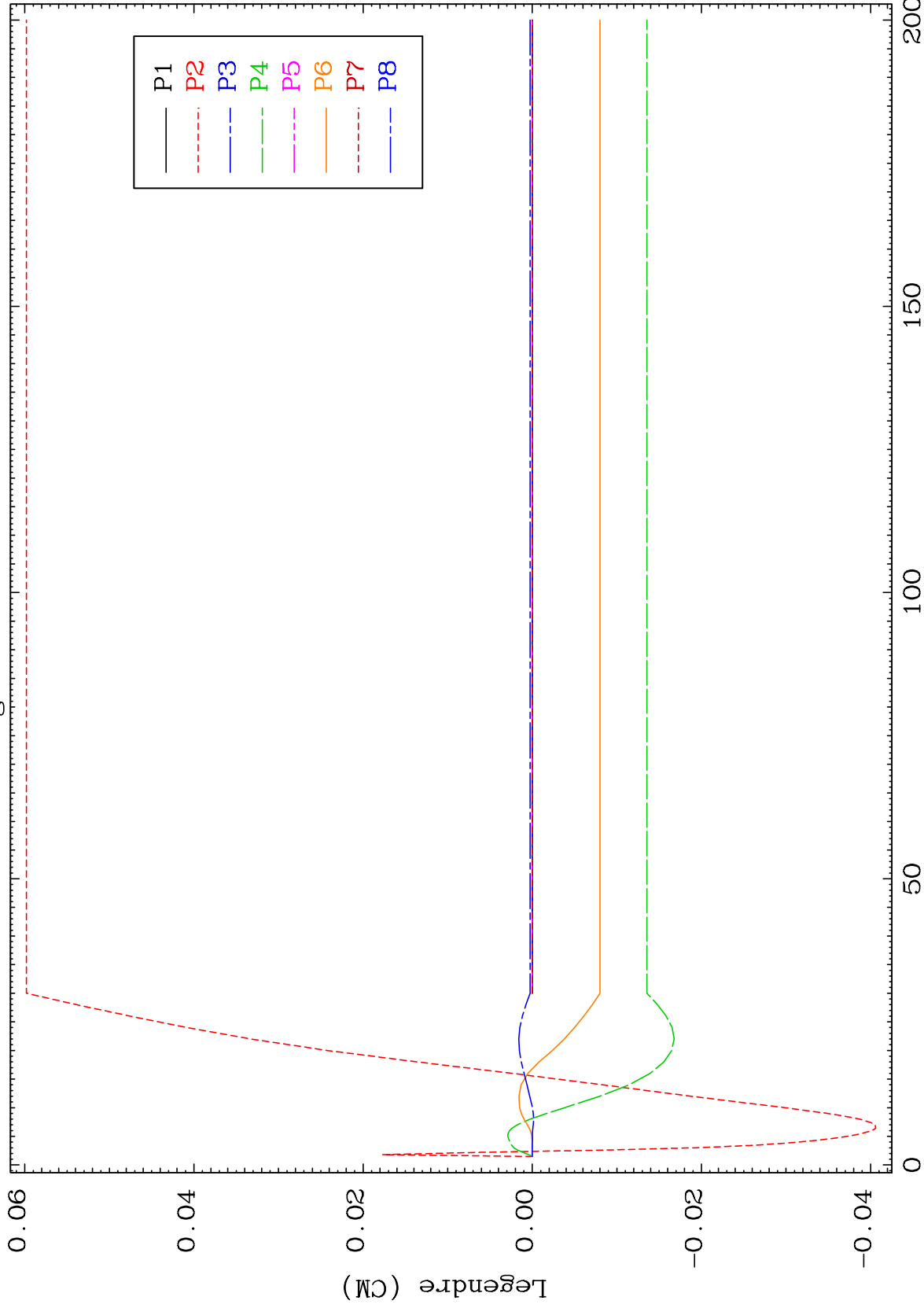


44 39-Y -87

MAT 3919 MT= 59 (n,n') Level Legendre Coefficients

39-Y -87

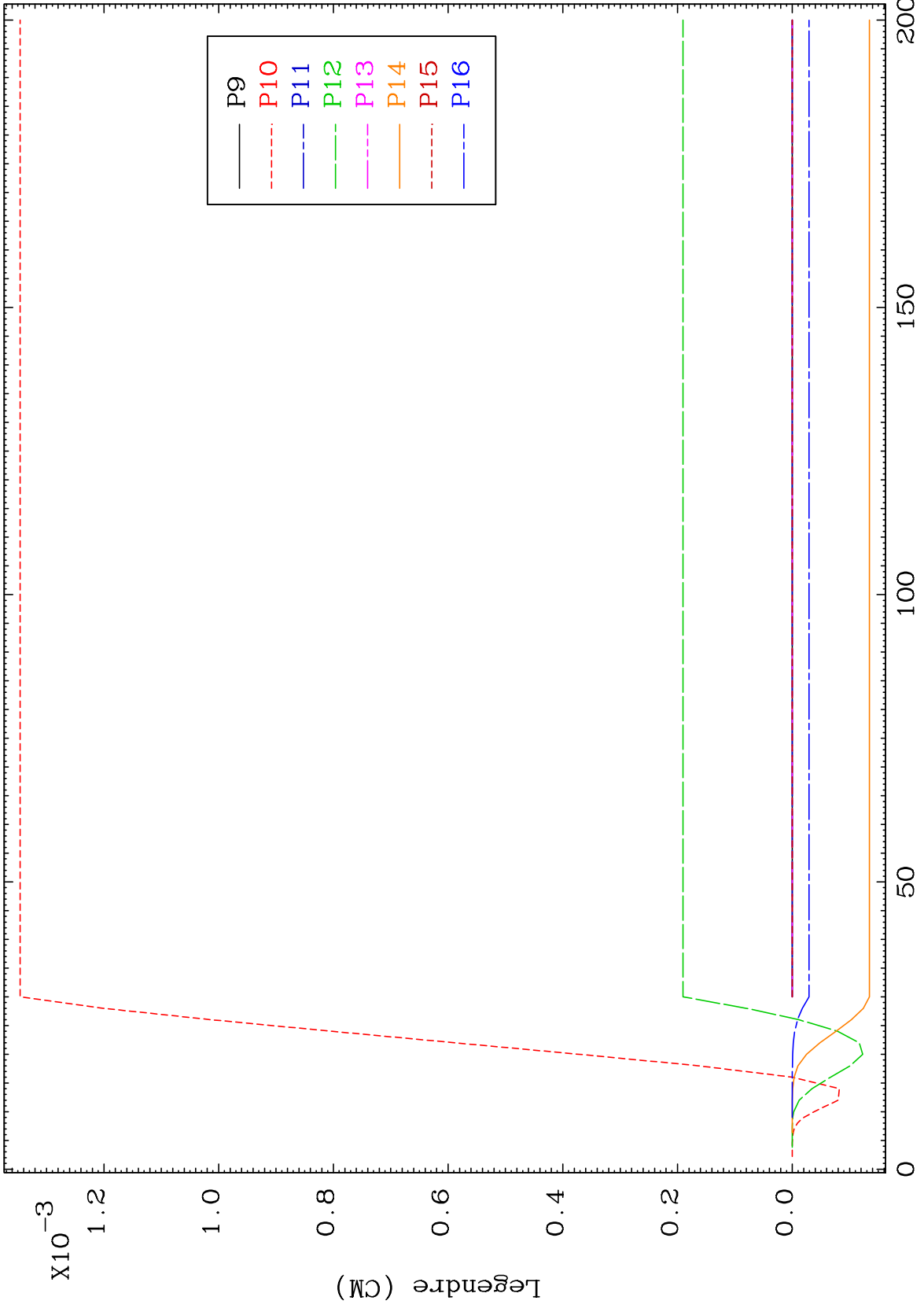
39-Y -87



MAT 3919

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

39-Y -87

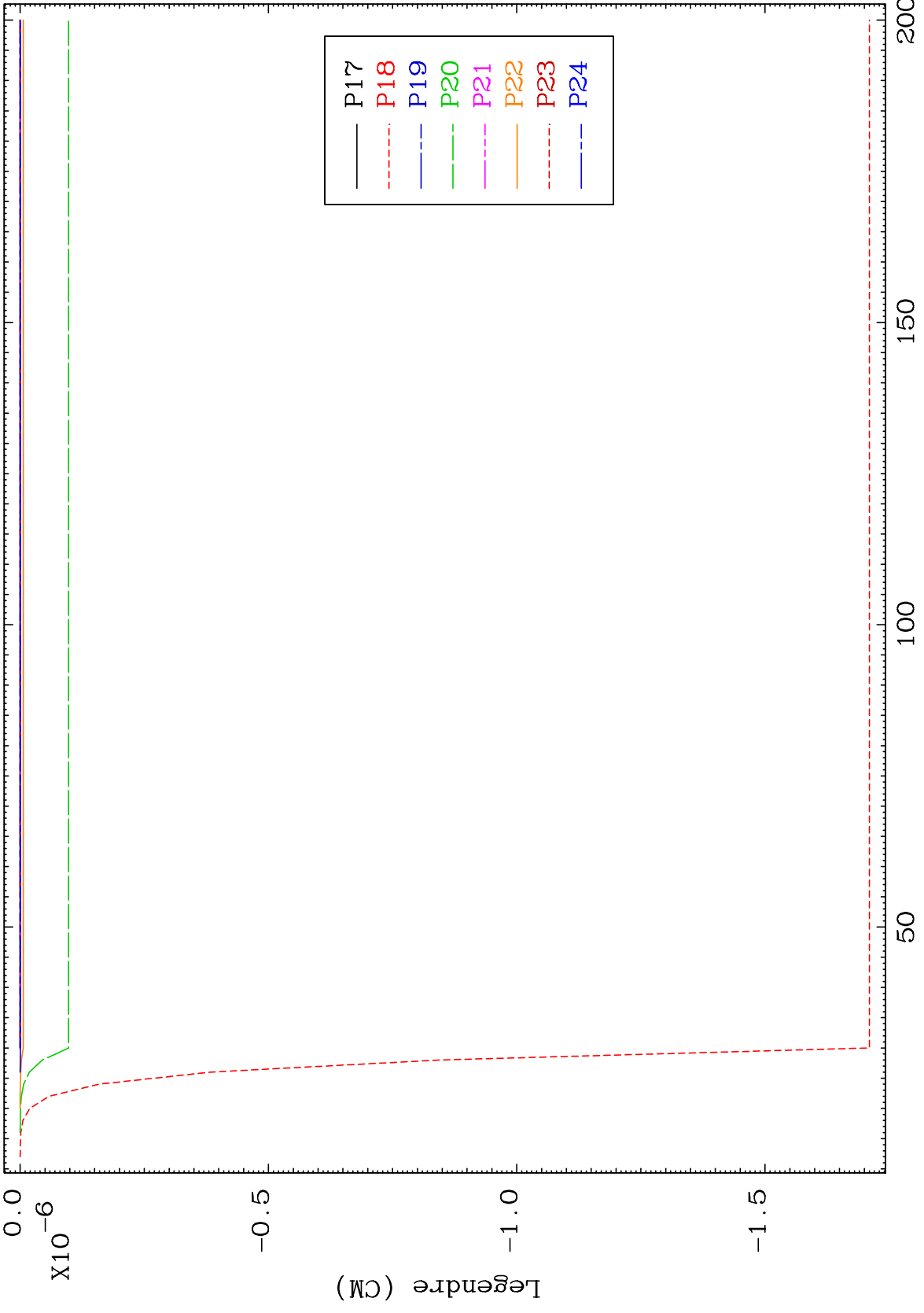


46

Incident Energy (MeV)

39-Y -87

MAT 3919 MT= 59 (n,n') Level Legendre Coefficients 39-Y -87

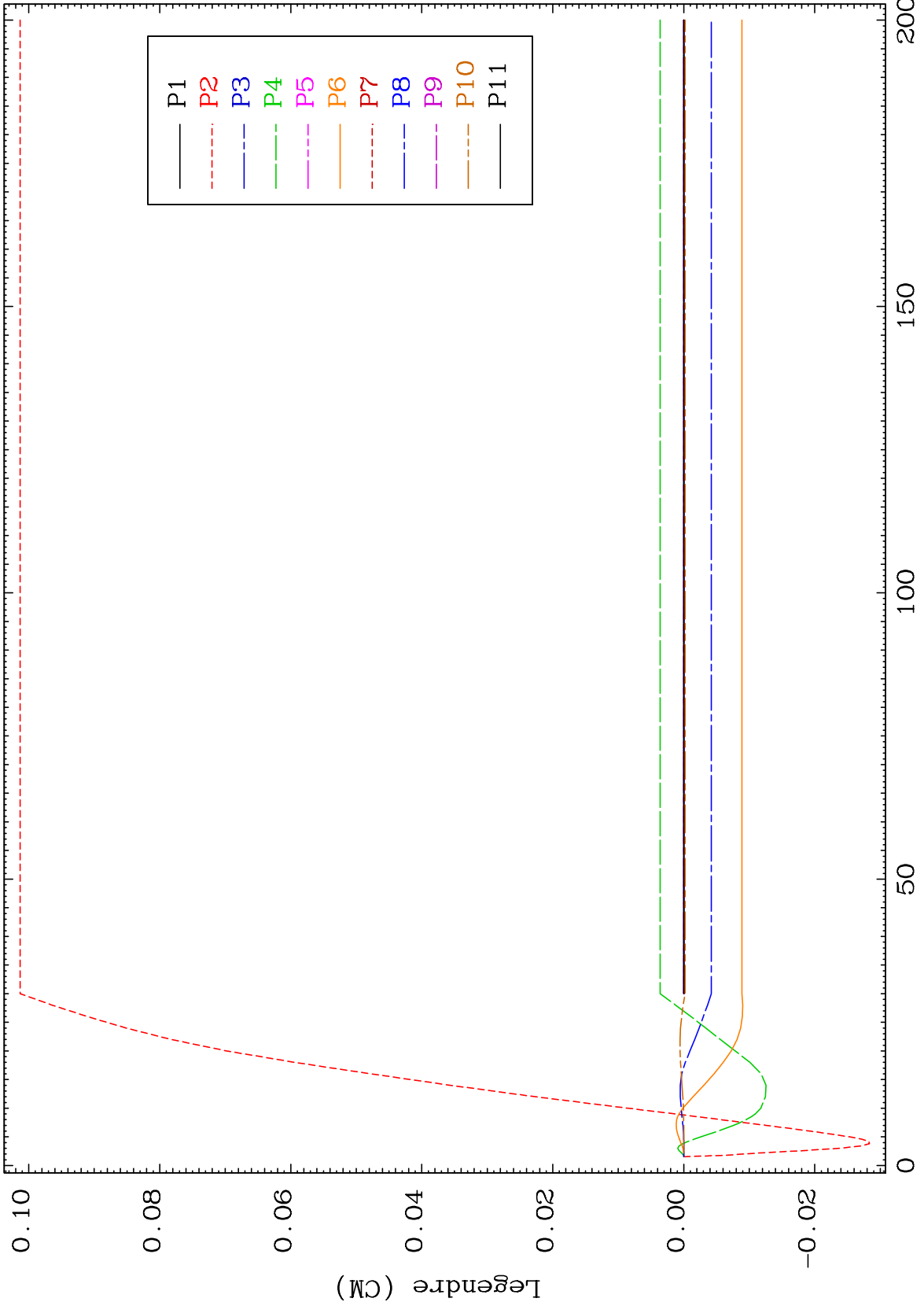


47 39-Y -87



MAT 3919 MT= 60 (n,n') Level Legendre Coefficients

39-Y -87



39-Y -87

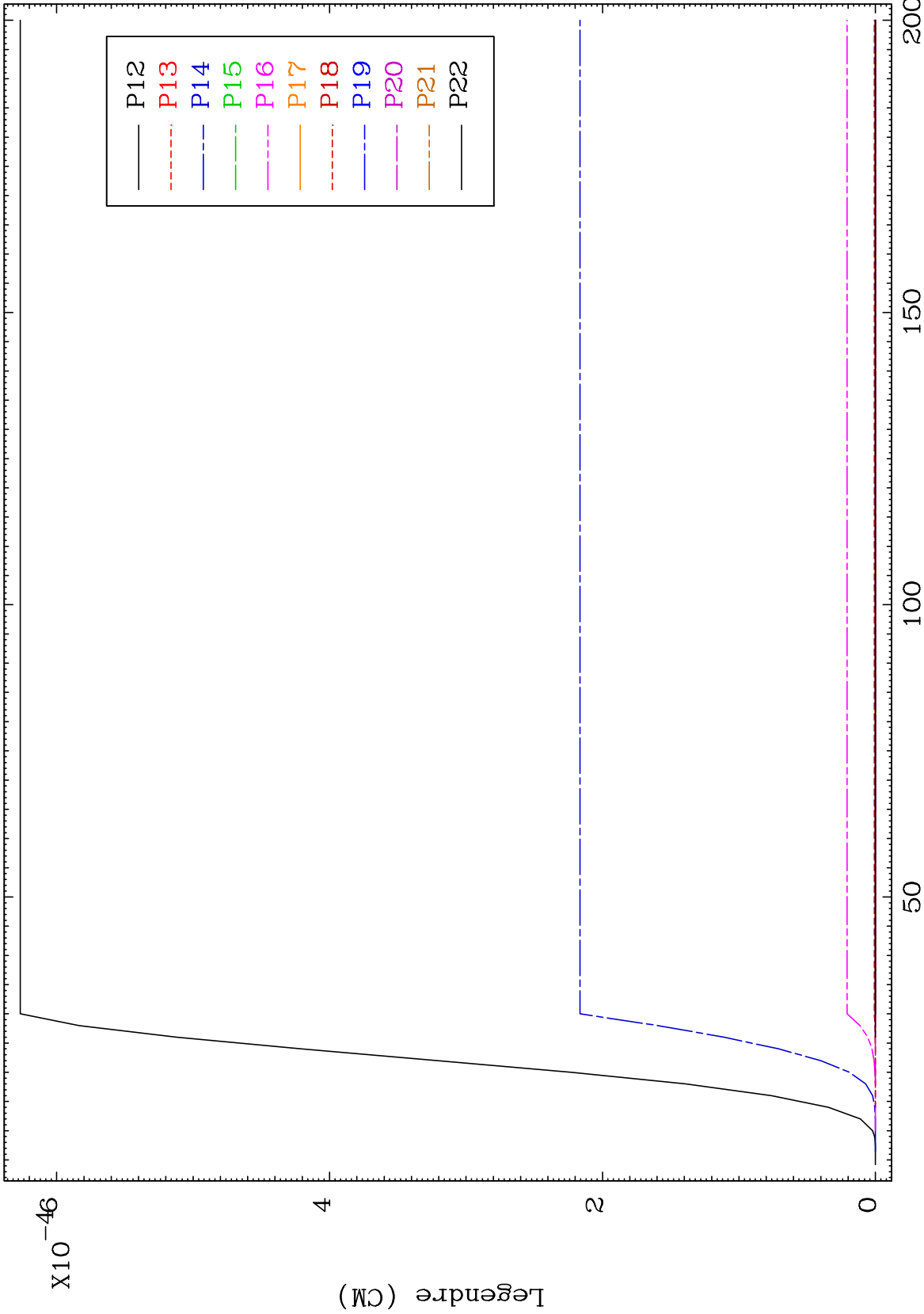
Incident Energy (MeV)

48

MAT 3919

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

39-Y -87



49

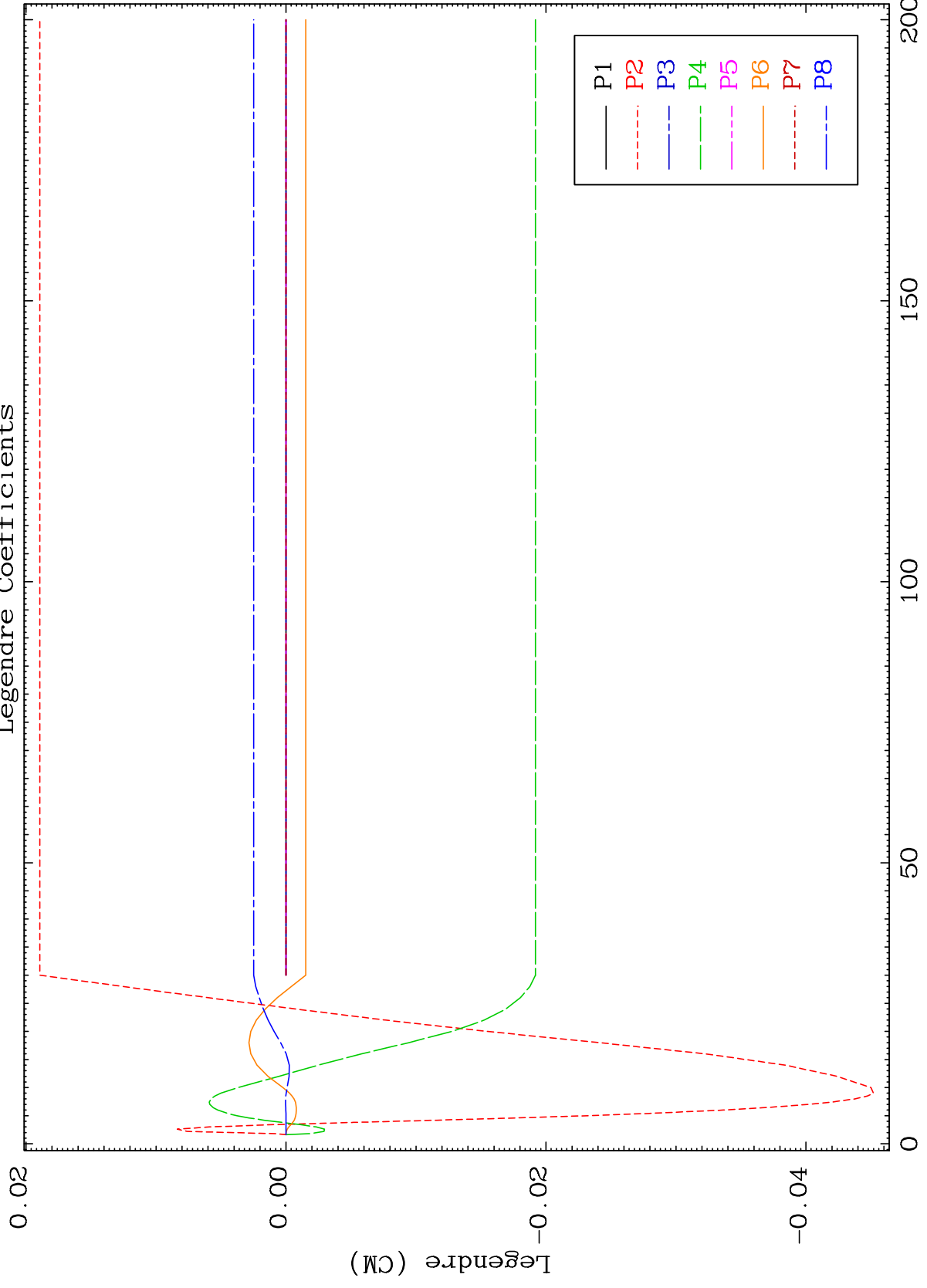
Incident Energy (MeV)

39-Y -87

MAT 3919 MT= 61 (n,n') Level Legendre Coefficients

39-Y -87

39-Y -87



Incident Energy (MeV)

0

50

100

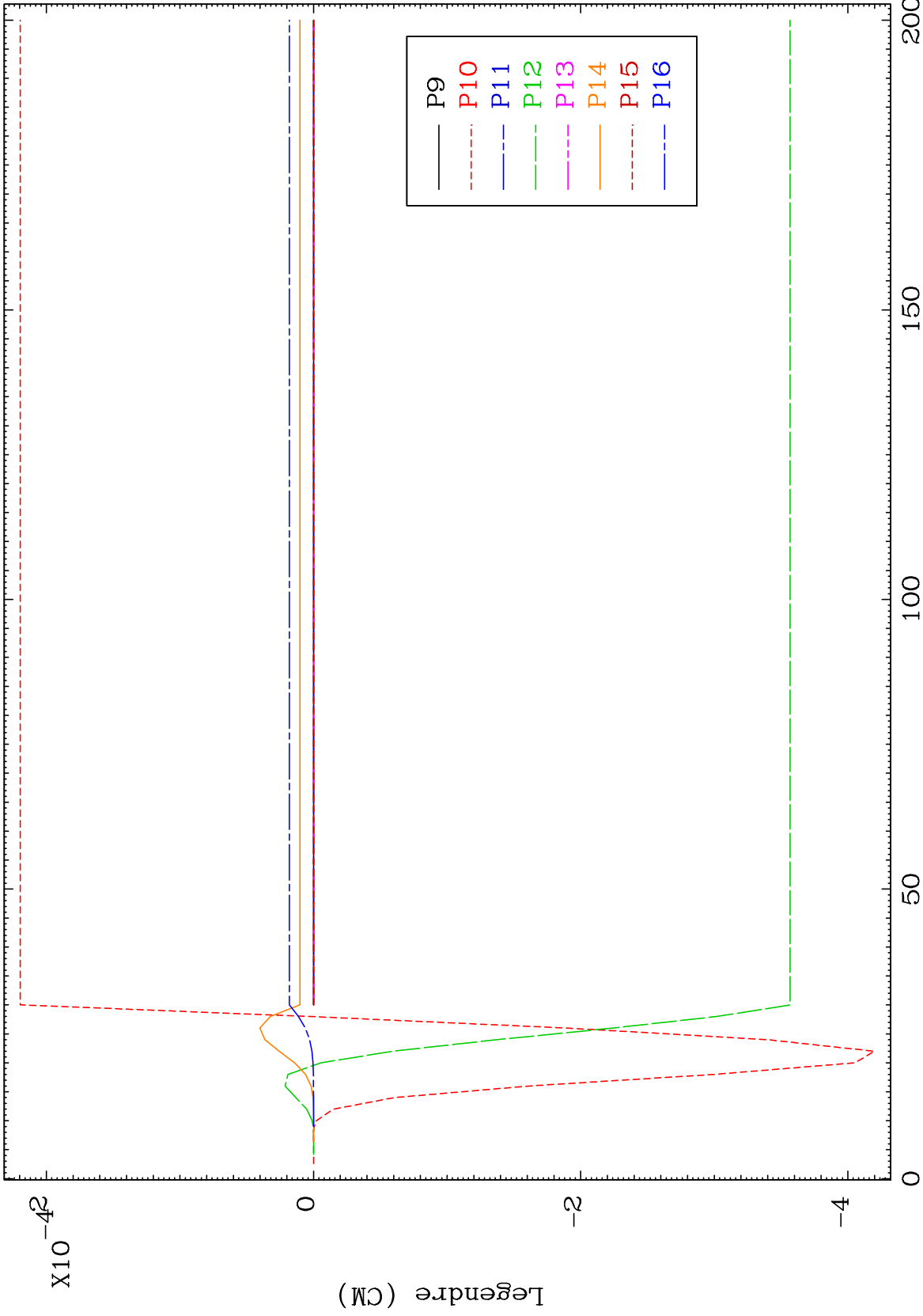
150

200

MAT 3919

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

39-Y -87

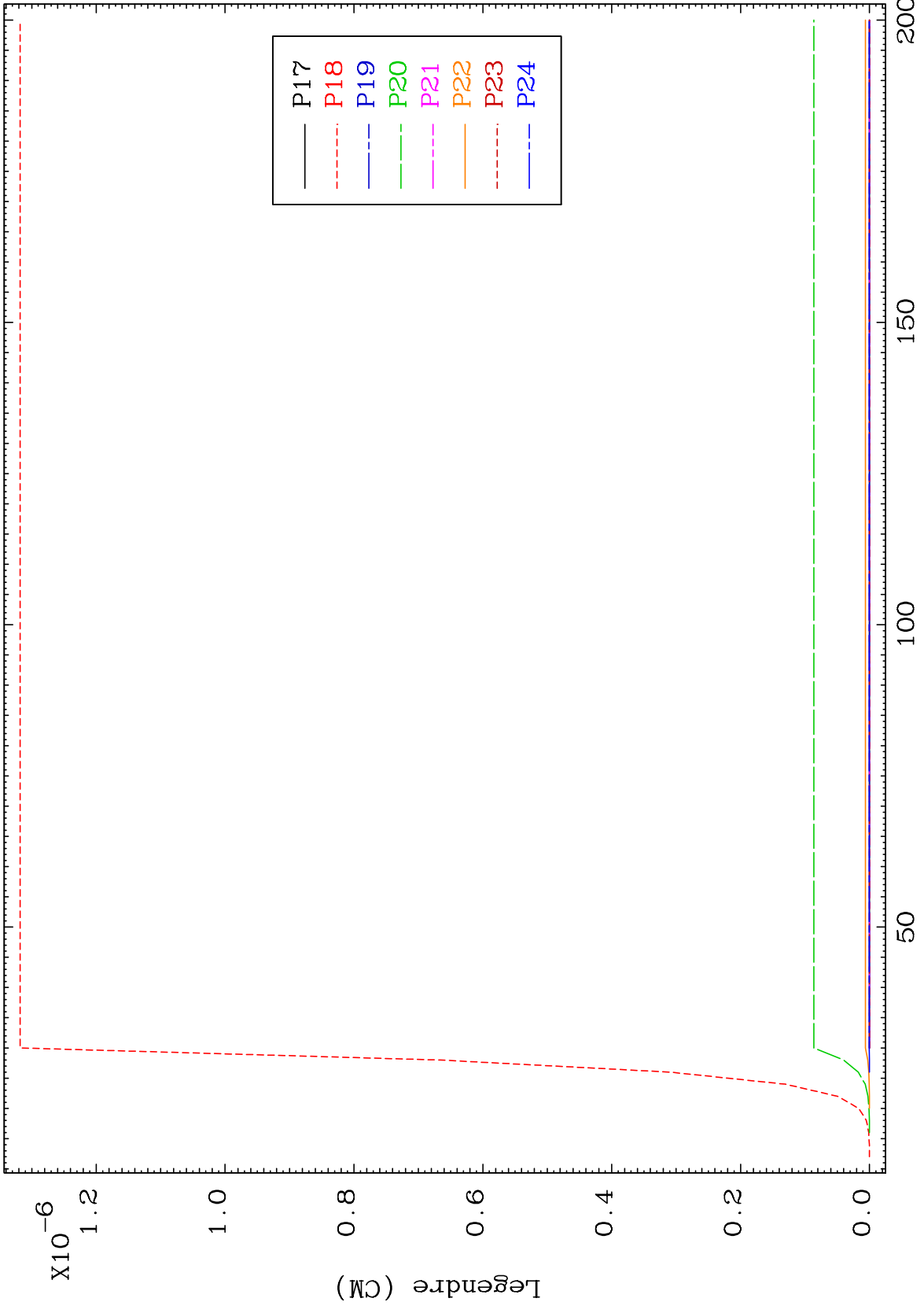


51

Incident Energy (MeV)

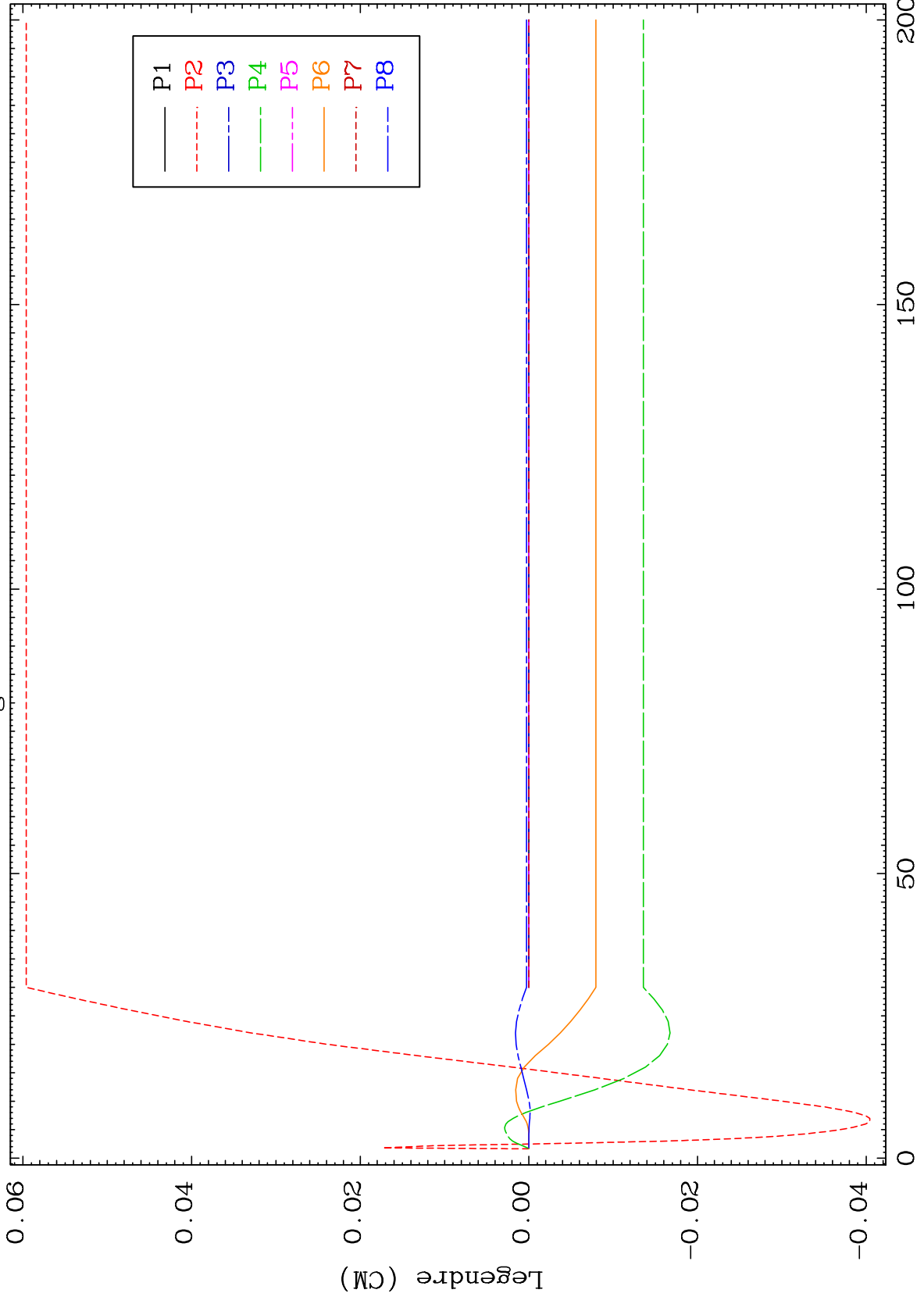
39-Y -87

MAT 3919 MT= 61 (n,n') Level Legendre Coefficients 39-Y -87



52 39-Y -87

MAT 3919 MT= 62 (n,n') Level Legendre Coefficients 39-Y -87

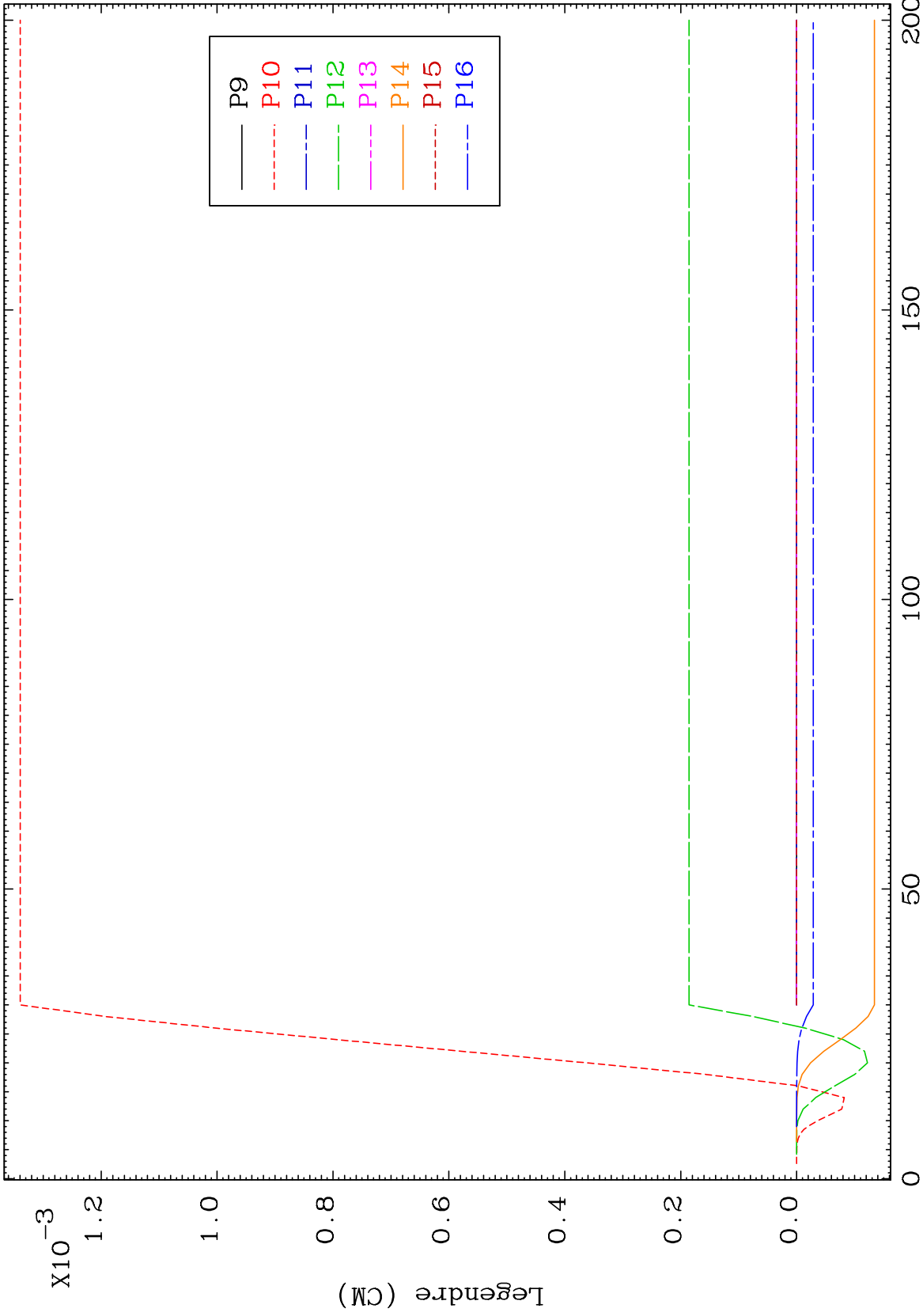


53 39-Y -87

MAT 3919

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

39-Y -87



54

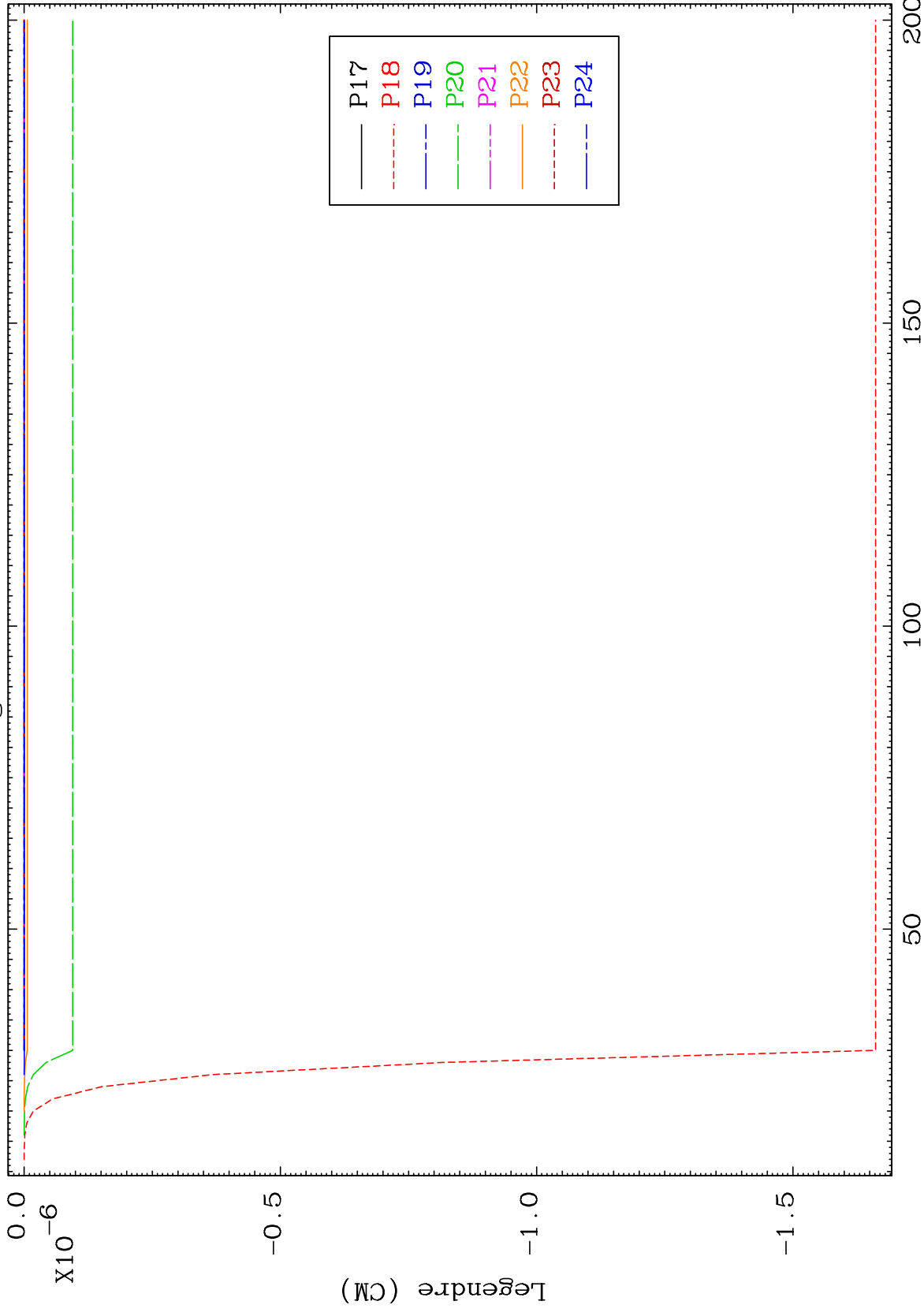
Incident Energy (MeV)

39-Y -87

MAT 3919

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

39-Y -87



55

Incident Energy (MeV)

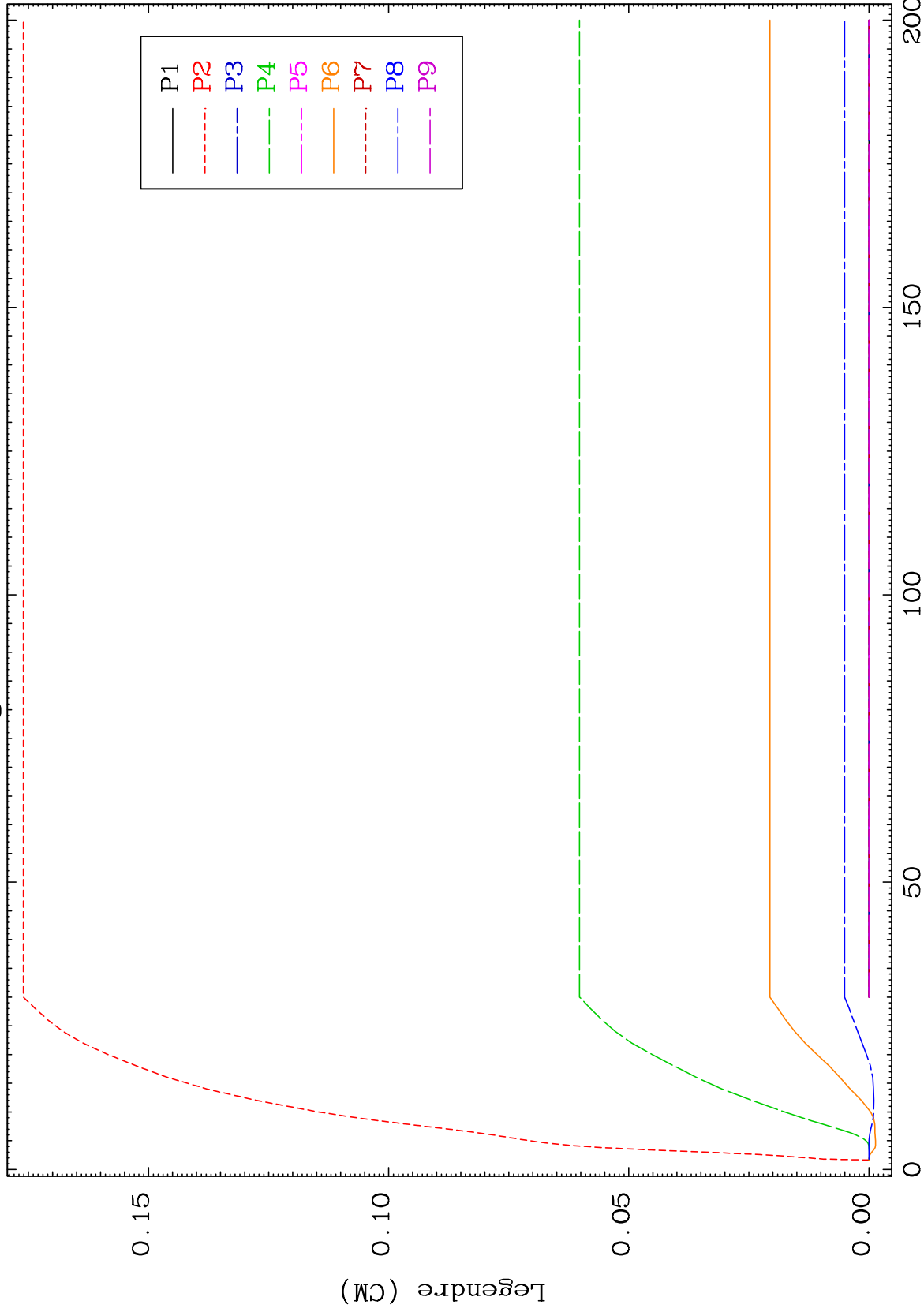
39-Y -87



MAT 3919

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

39-Y -87



56

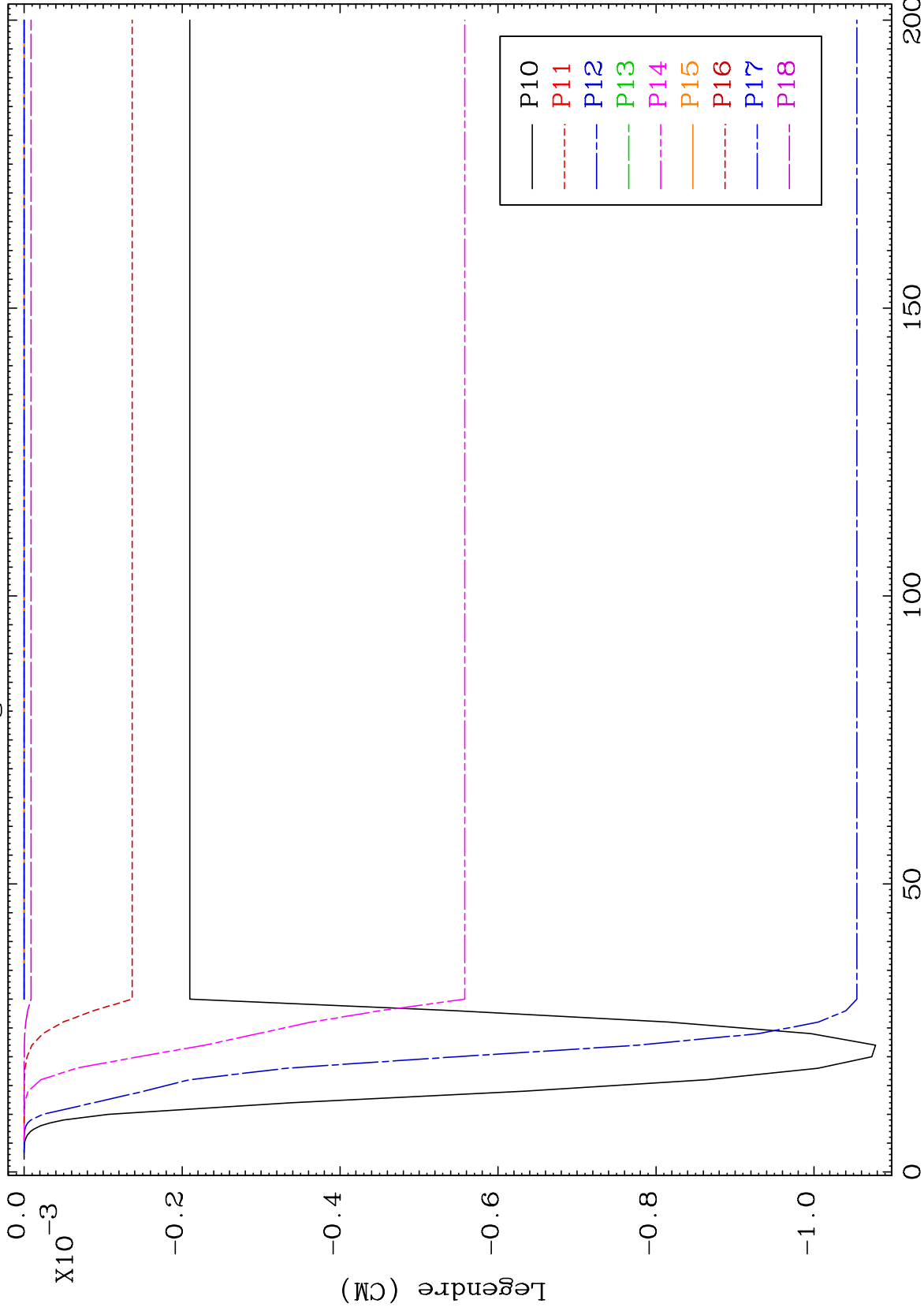
Incident Energy (MeV)

39-Y -87

MAT 3919

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

39-Y -87

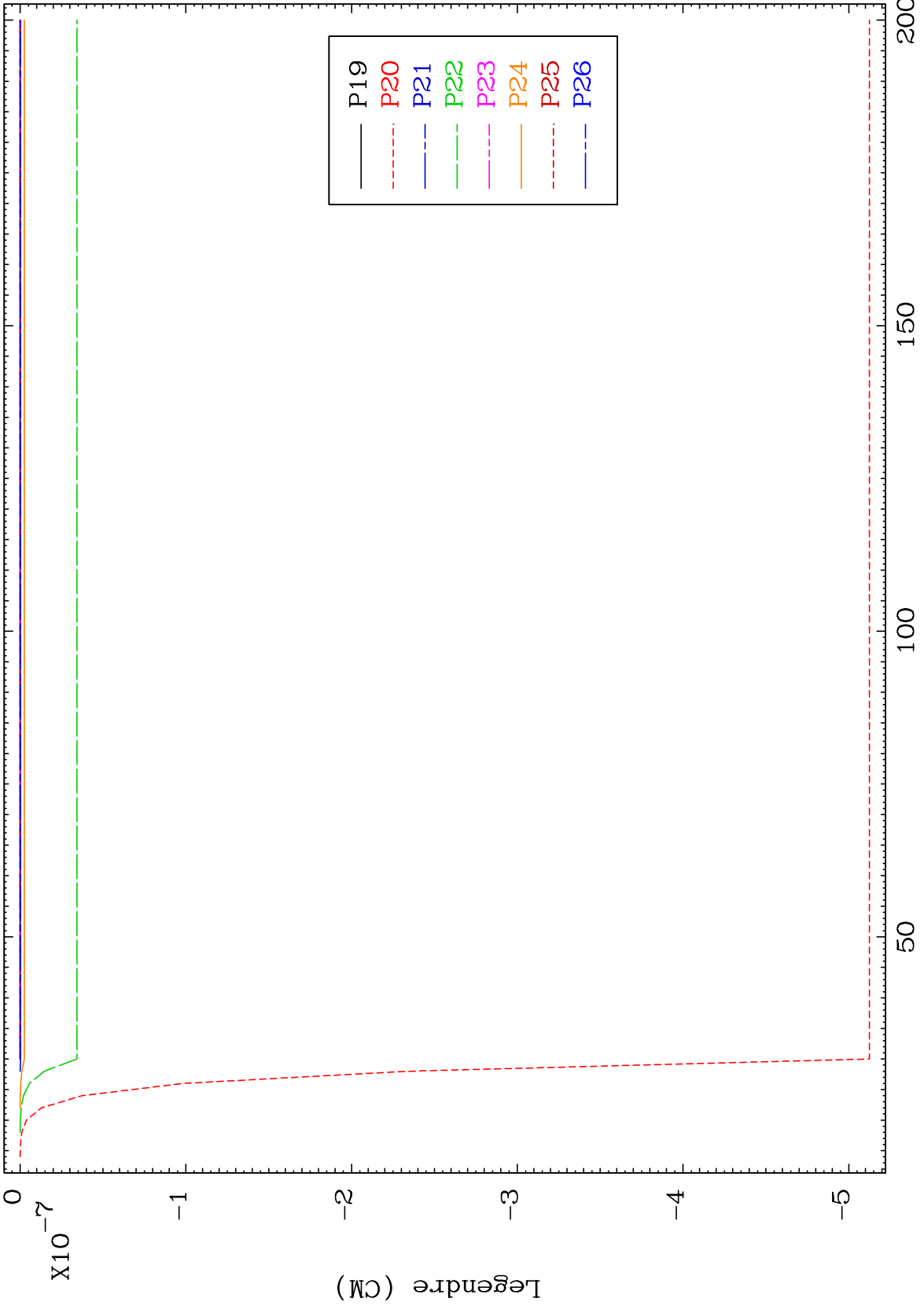


57

Incident Energy (MeV)

39-Y -87

MAT 3919 MT= 63 (n,n') Level Legendre Coefficients 39-Y -87

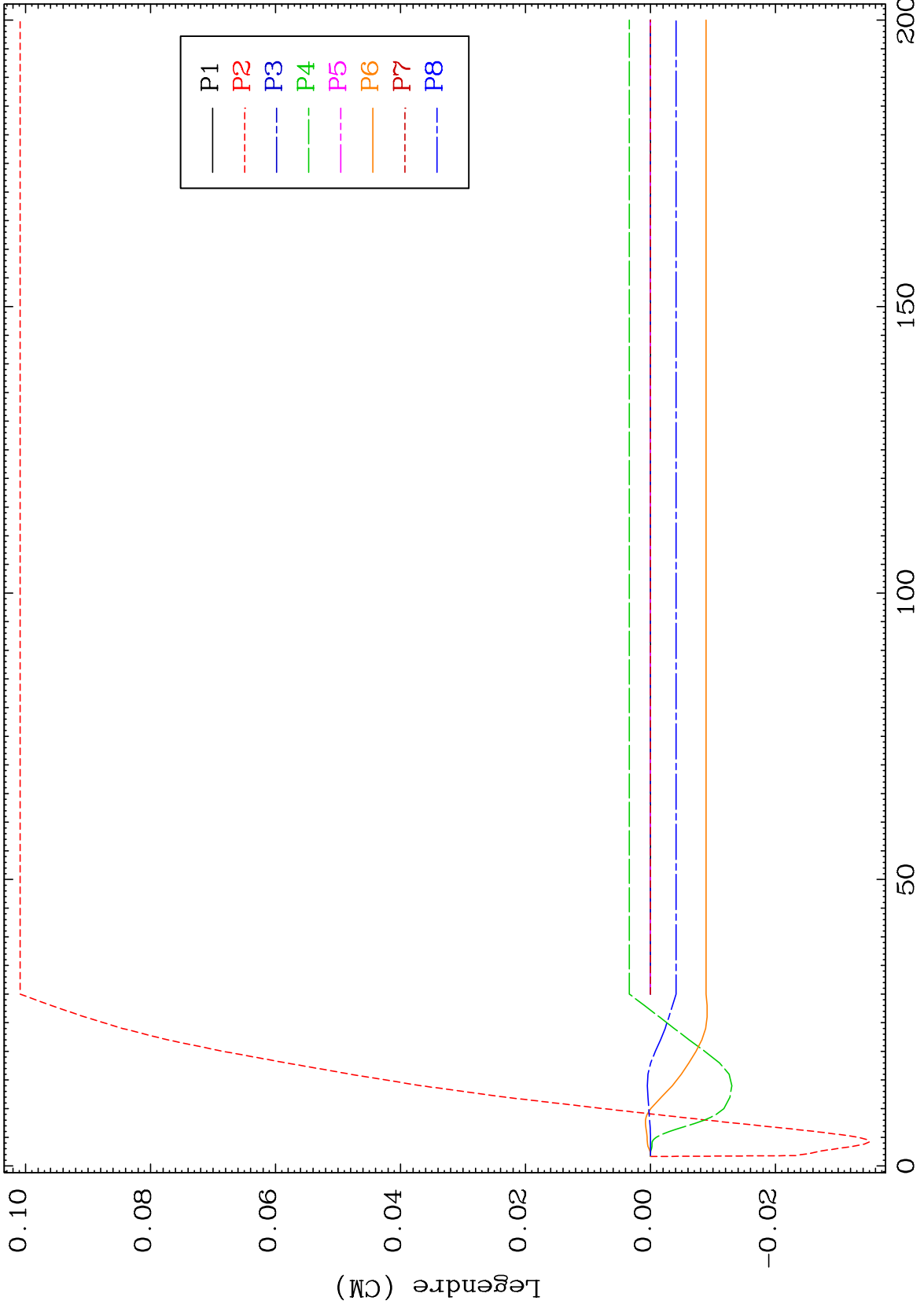


58 39-Y -87

MAT 3919

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

39-Y -87

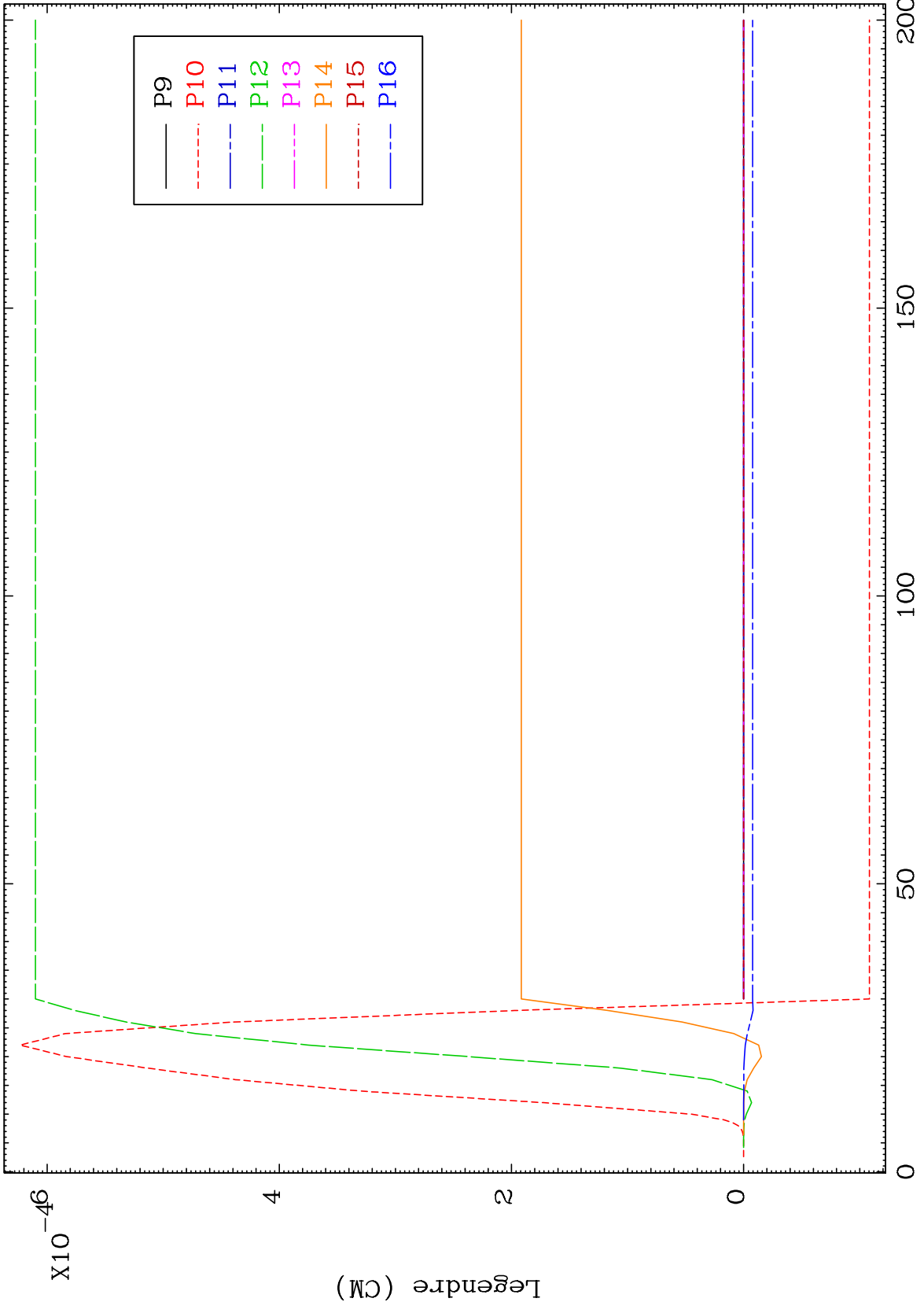


59

Incident Energy (MeV)

39-Y -87

MAT 3919 MT= 64 (n,n') Level Legendre Coefficients 39-Y -87

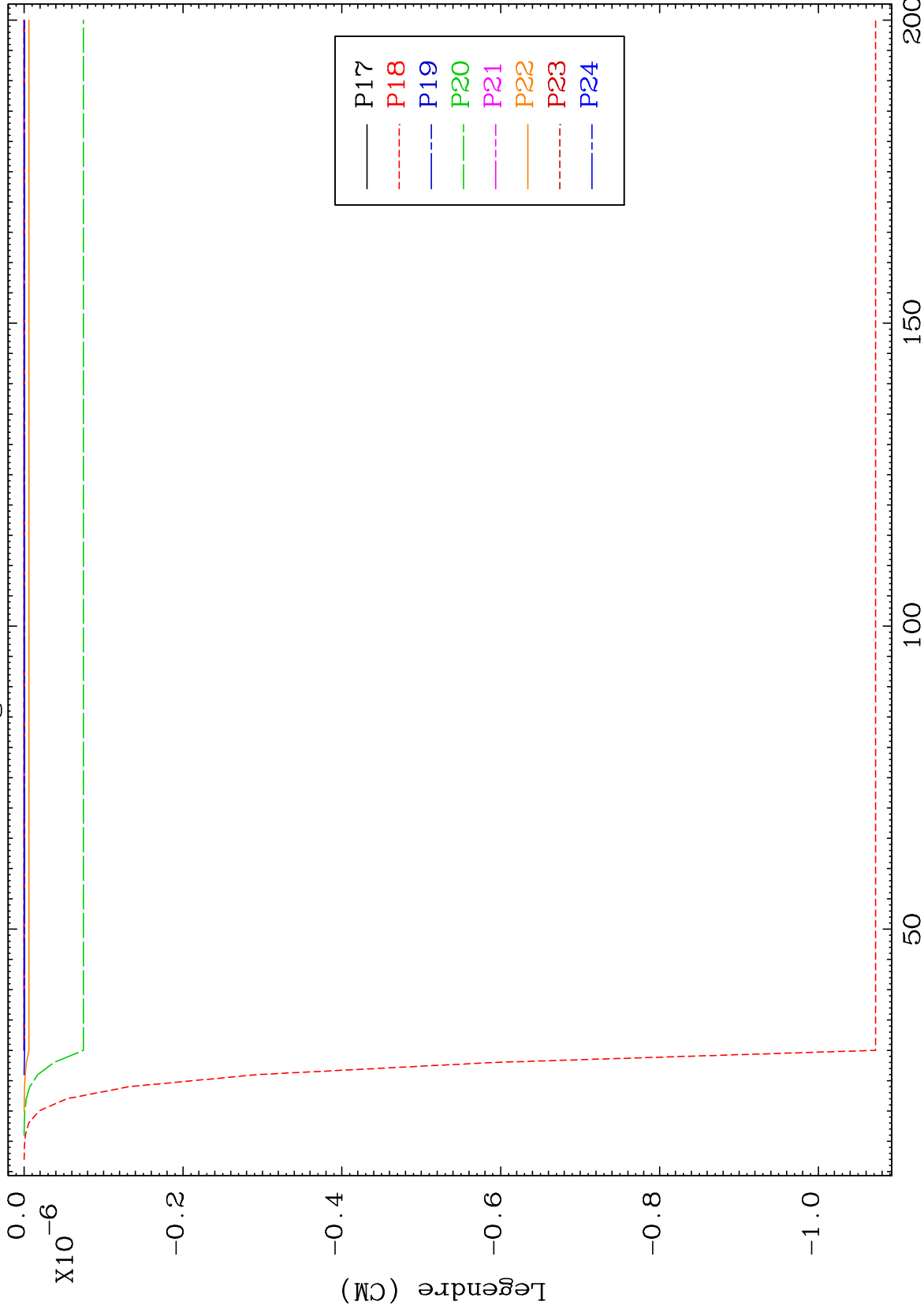


60 100 150 200 39-Y -87

MAT 3919

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

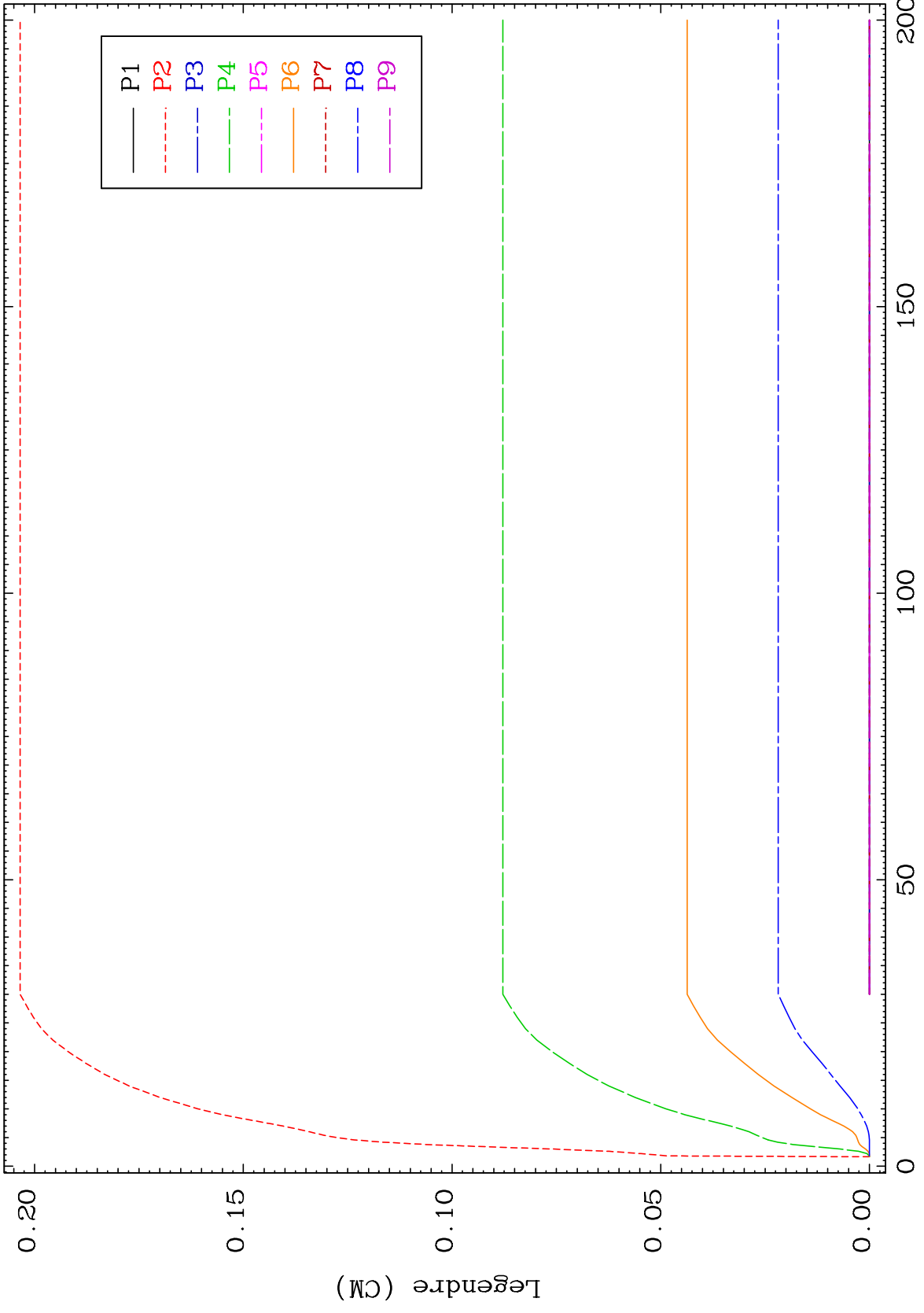
39-Y -87



61

39-Y -87

MAT 3919 MT= 65 (n,n') Level Legendre Coefficients 39-Y -87

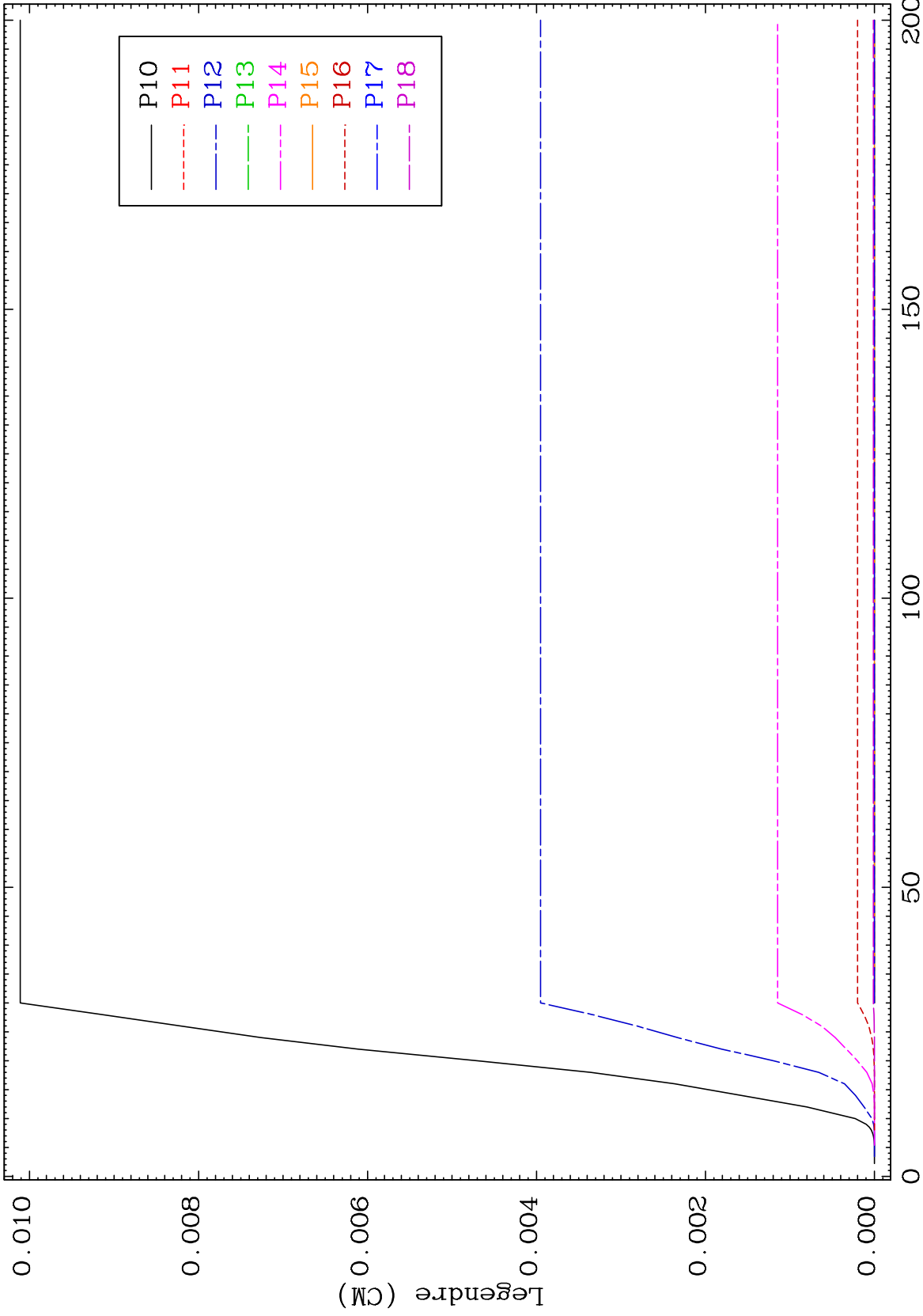


62 Incident Energy (MeV) 39-Y -87

MAT 3919

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

39-Y -87



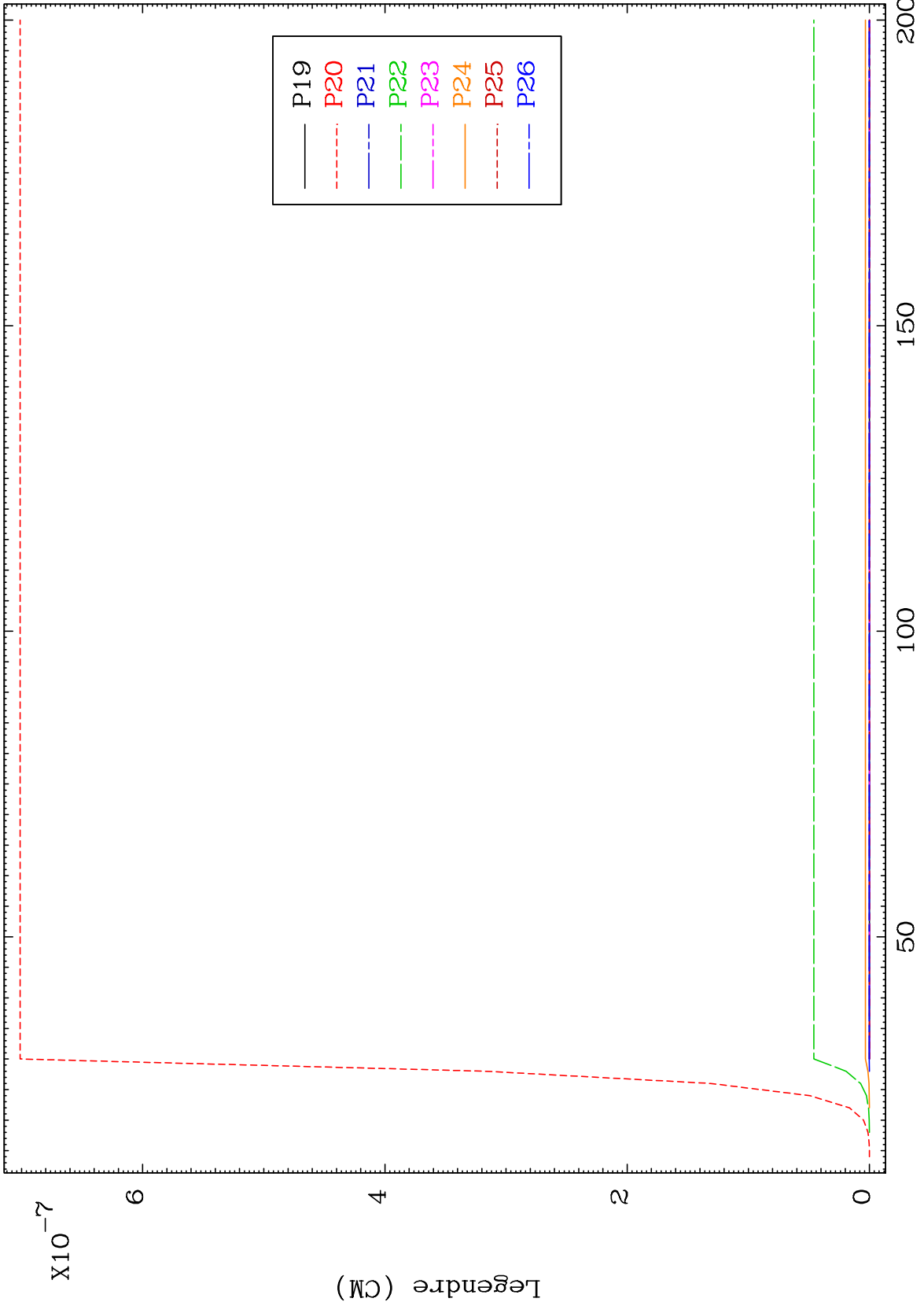
63

Incident Energy (MeV)

39-Y -87



MAT 3919 MT= 65 (n,n') Level Legendre Coefficients 39-Y -87

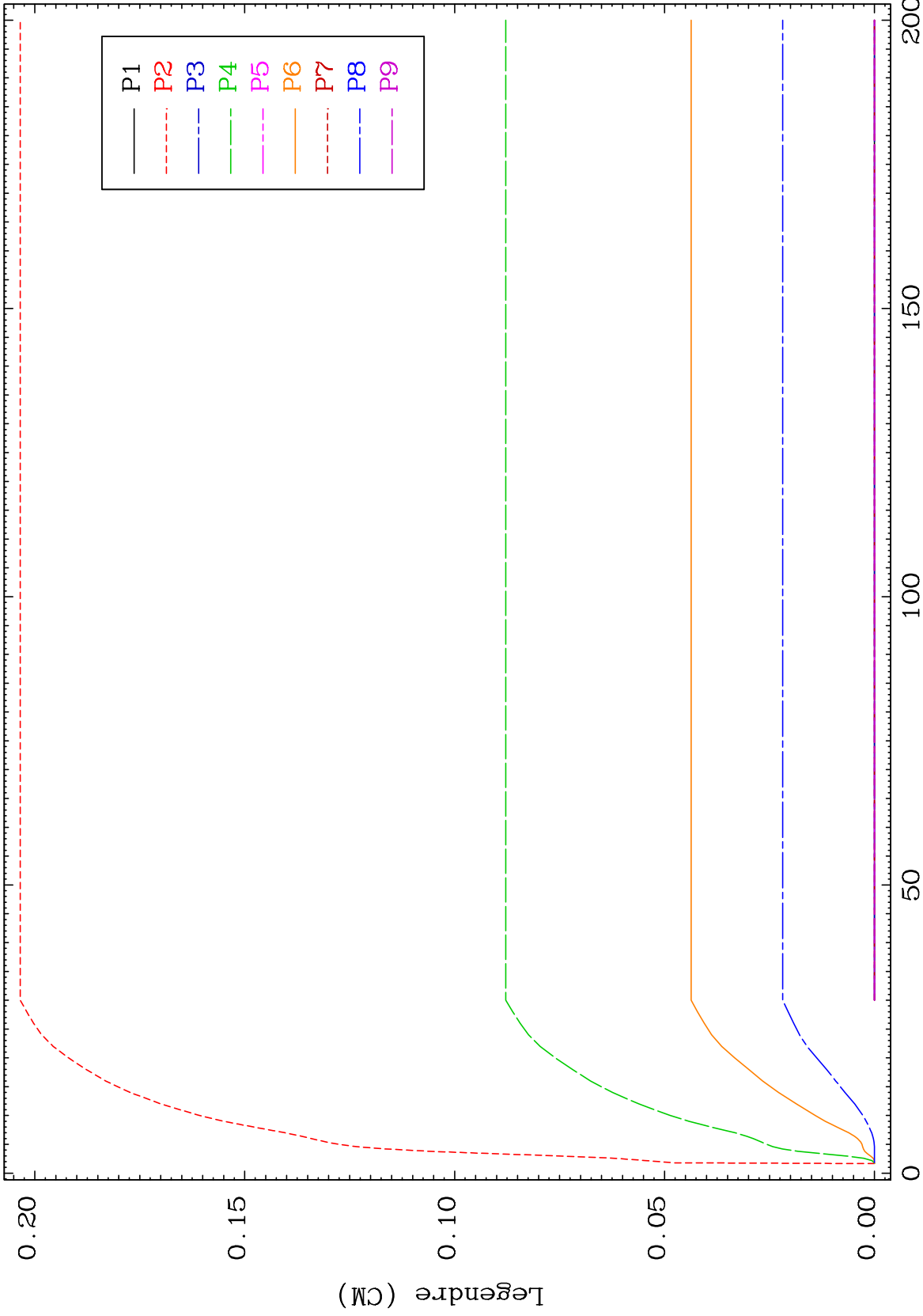


64 39-Y -87

MAT 3919

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

39-Y -87



65

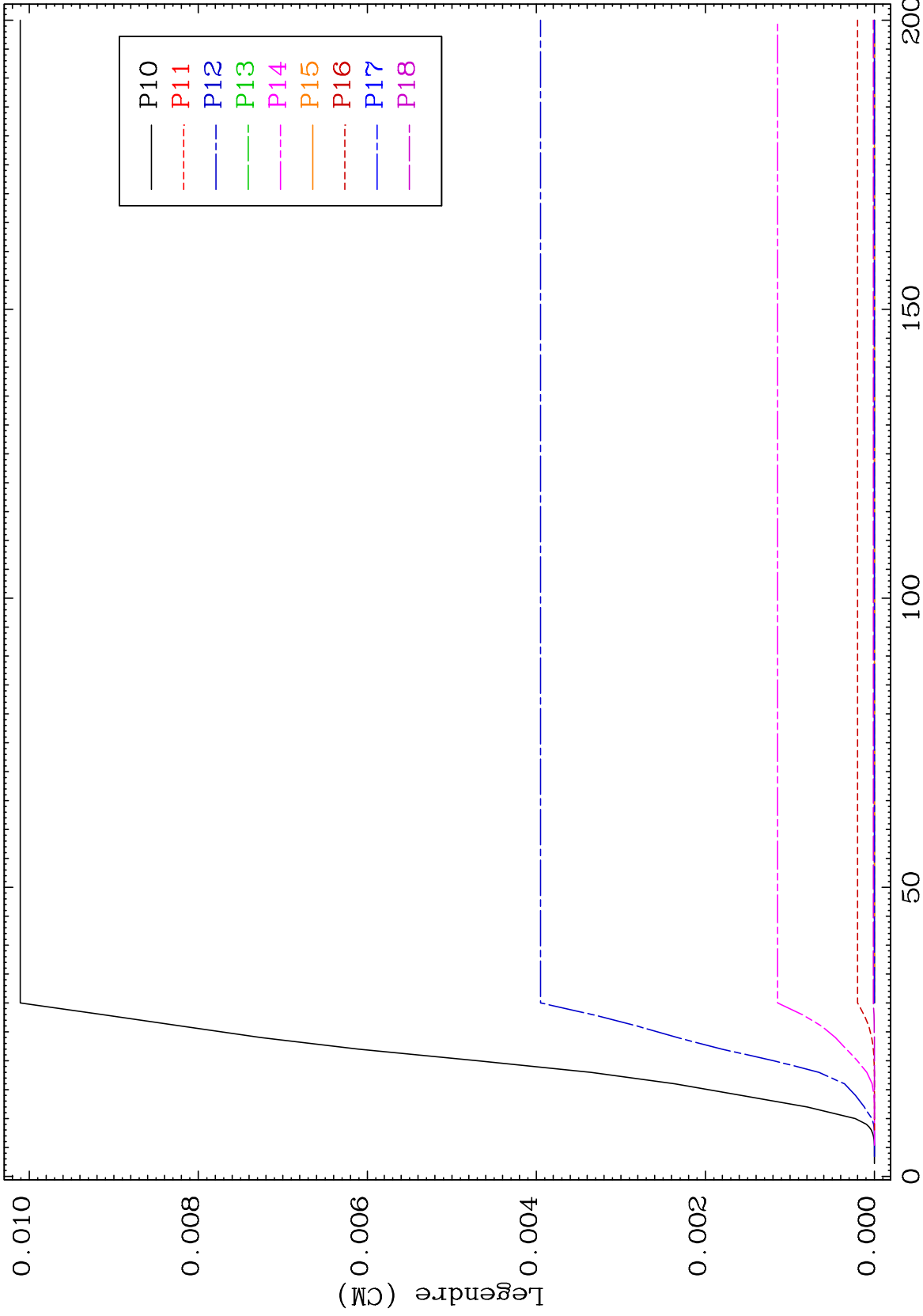
Incident Energy (MeV)

39-Y -87

MAT 3919

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

39-Y -87

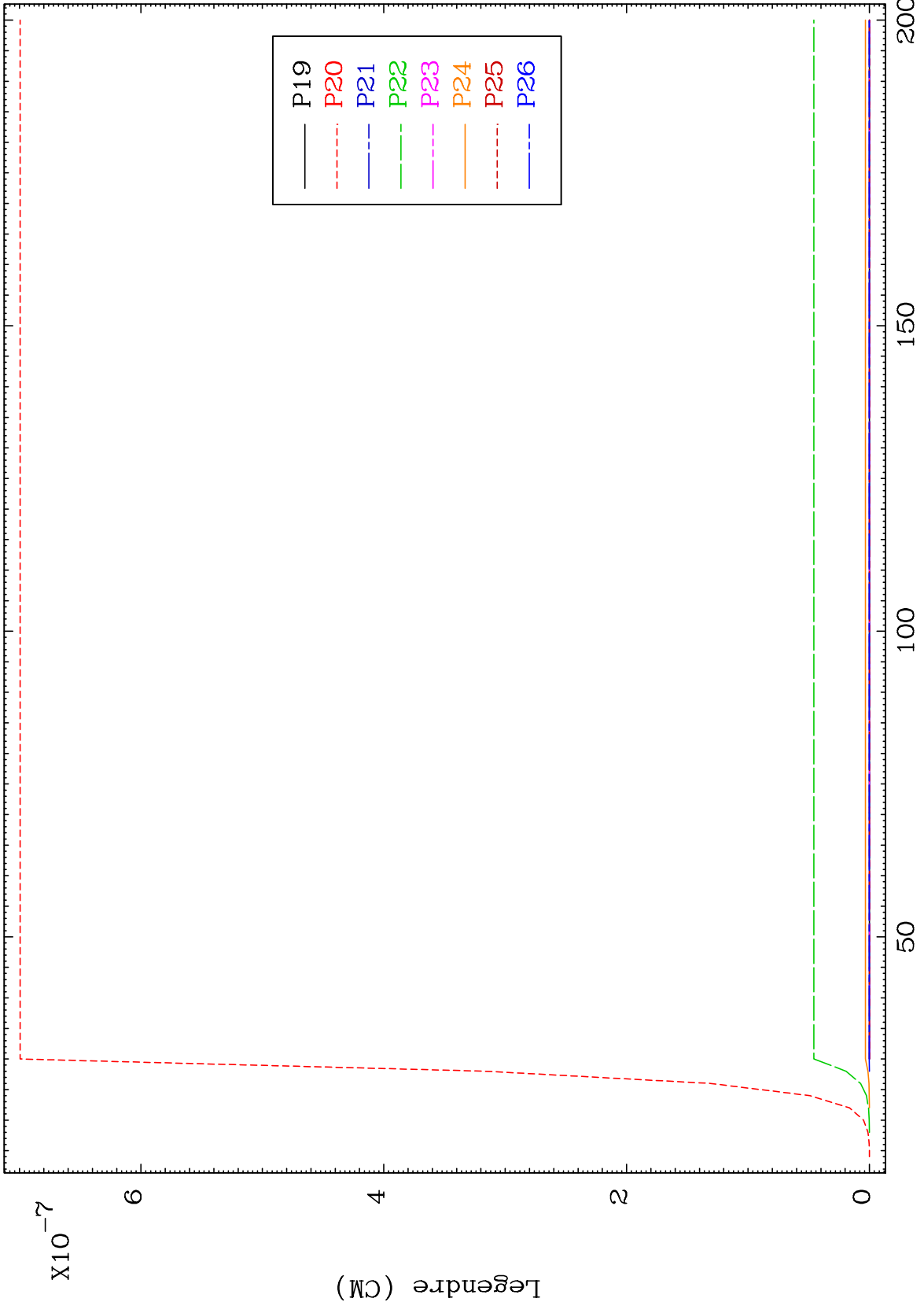


66

Incident Energy (MeV)

39-Y -87

MAT 3919 MT= 66 (n,n') Level Legendre Coefficients 39-Y -87

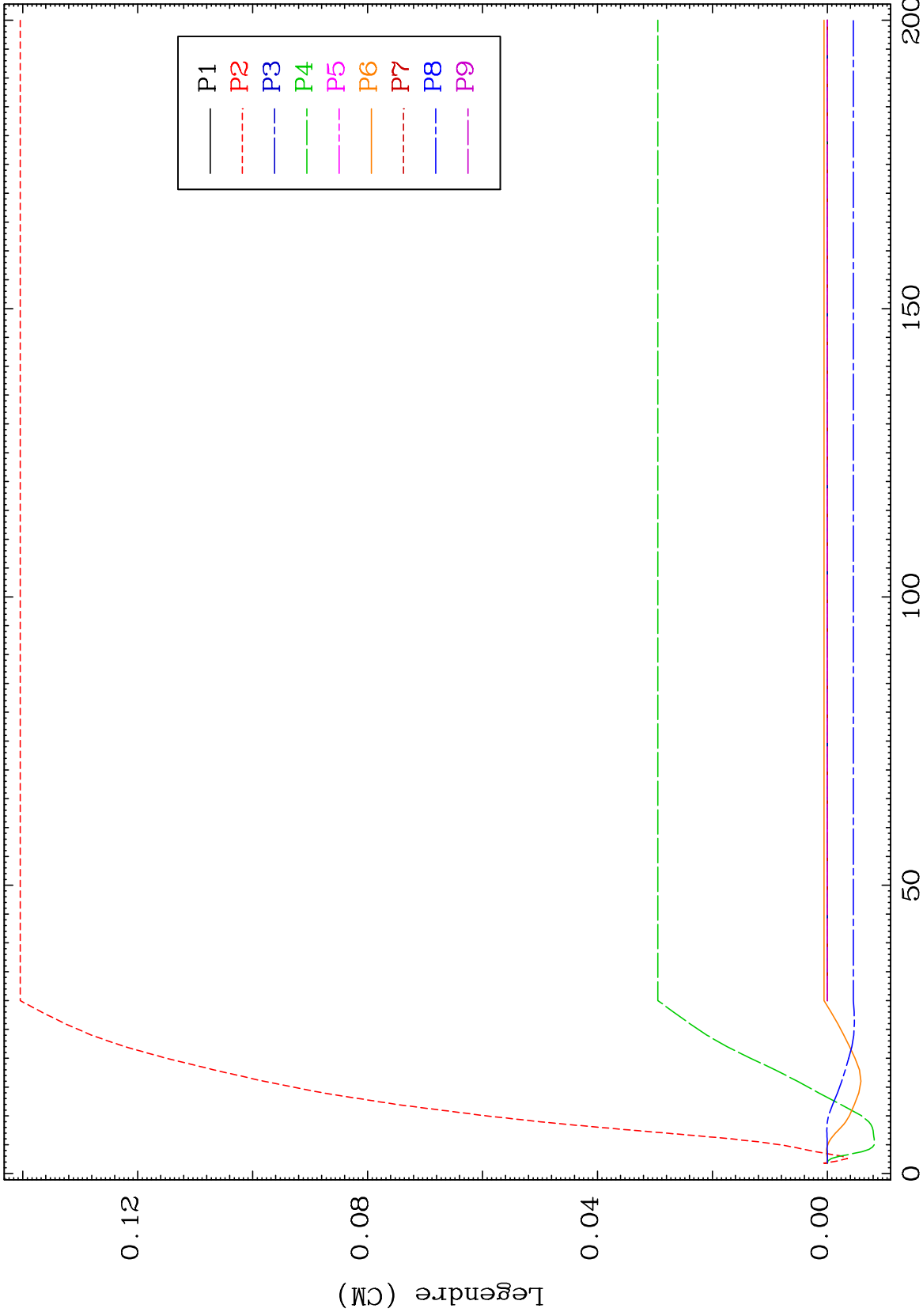


67 39-Y -87

MAT 3919

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

39-Y -87



68

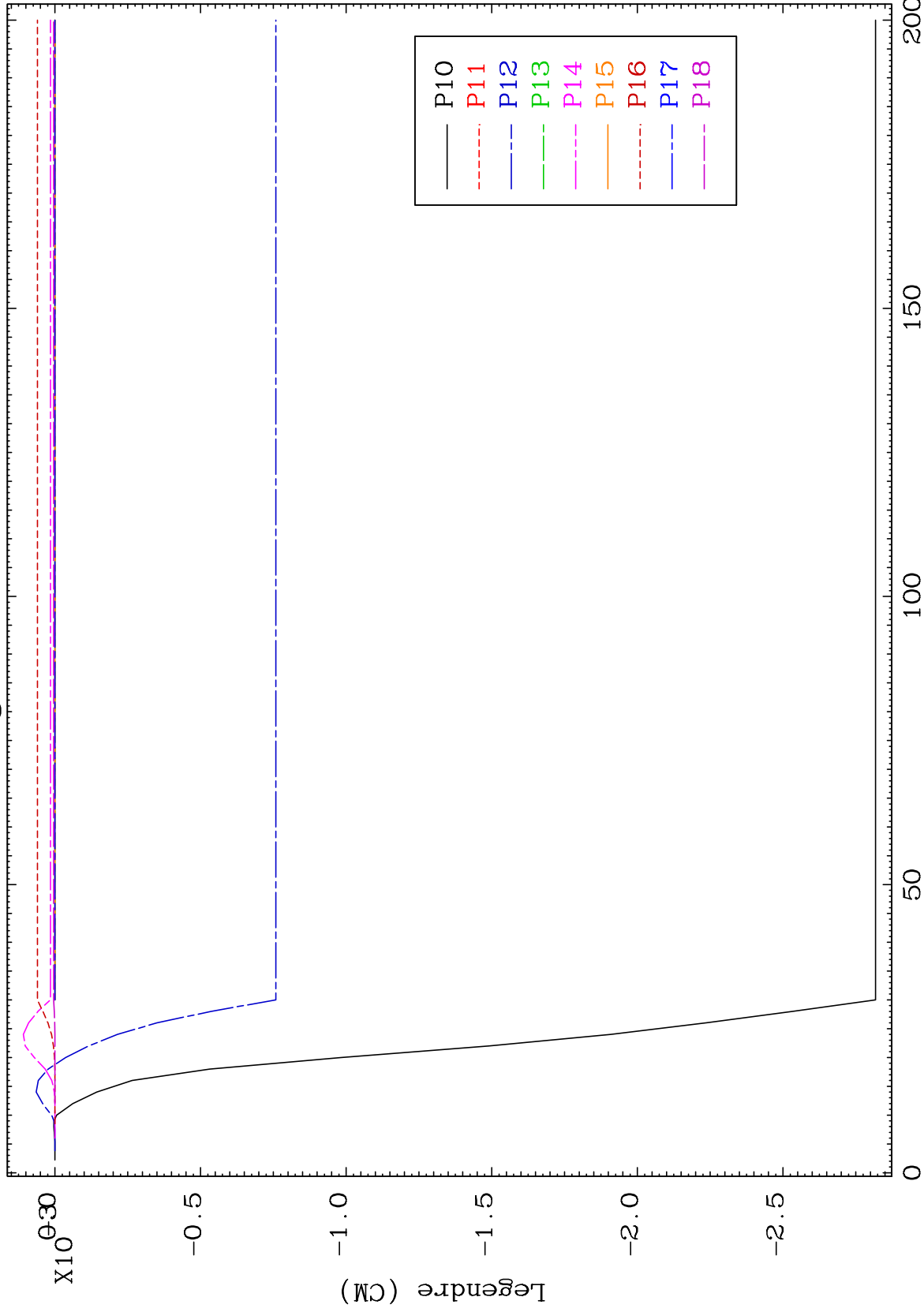
Incident Energy (MeV)

39-Y -87

MAT 3919

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

39-Y -87

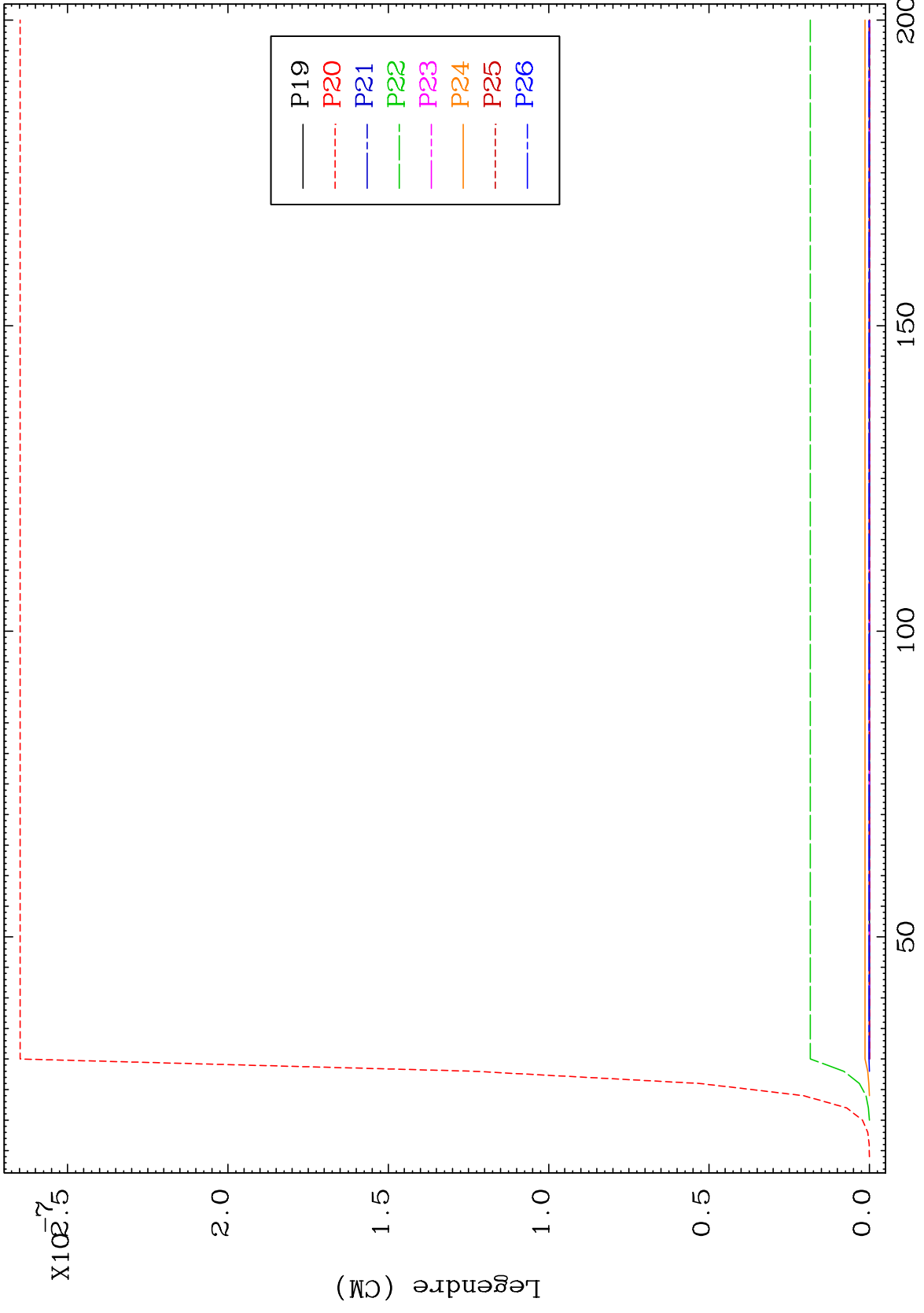


69

Incident Energy (MeV)

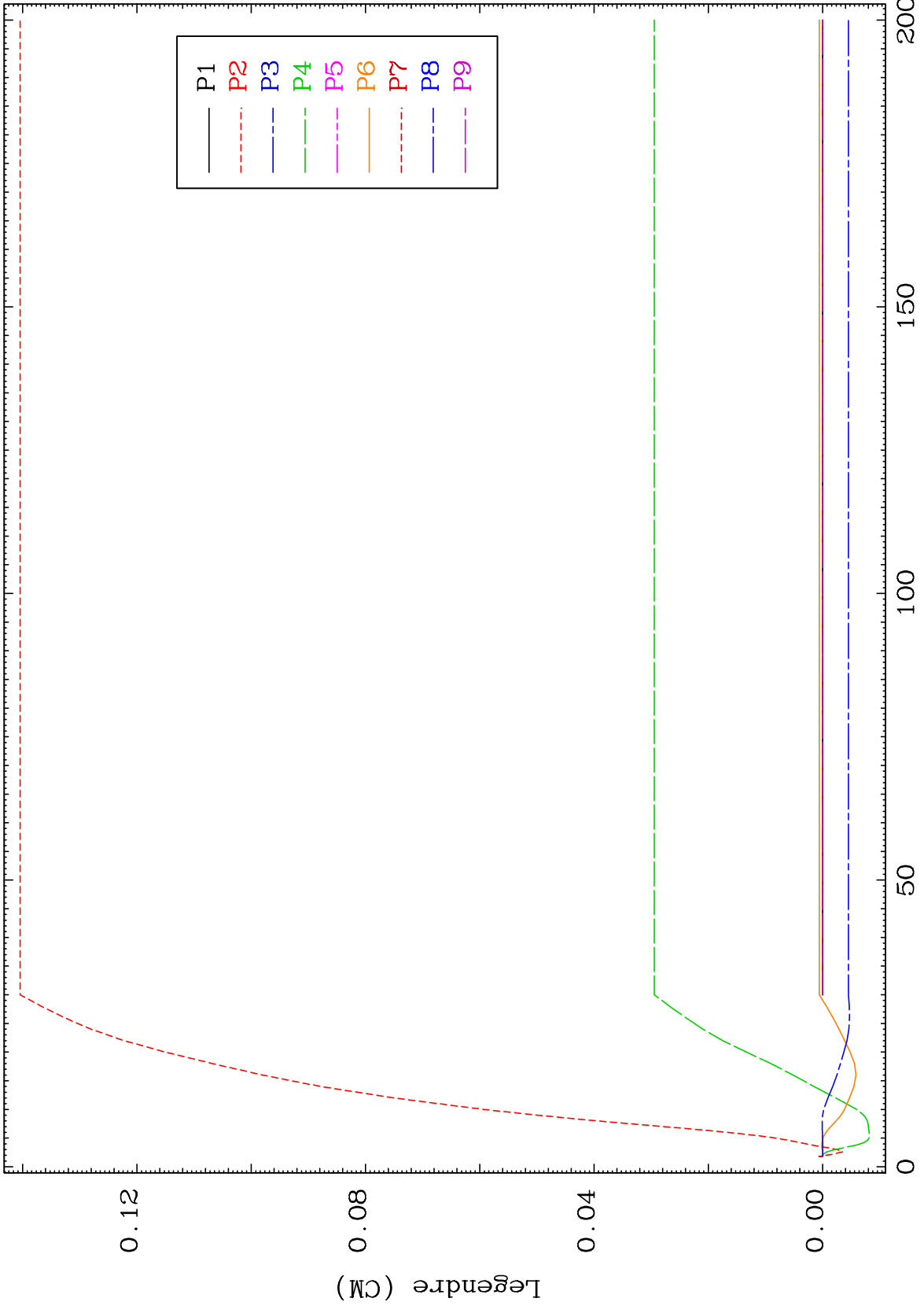
39-Y -87

MAT 3919 MT= 67 (n,n') Level Legendre Coefficients 39-Y -87



Incident Energy (MeV) 39-Y -87

MAT 3919 MT= 68 (n,n') Level Legendre Coefficients 39-Y -87



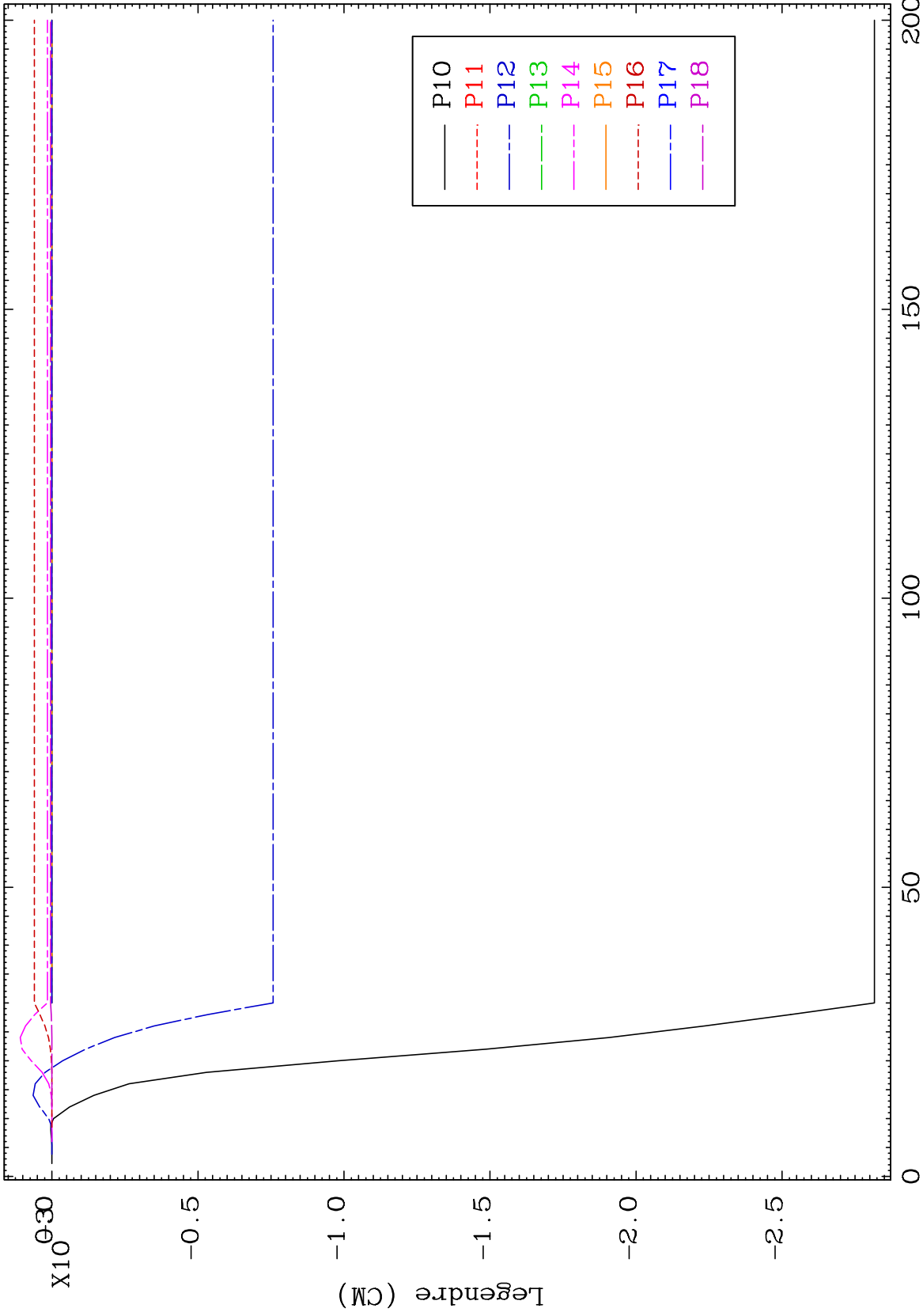
71 39-Y -87



MAT 3919

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

39-Y -87

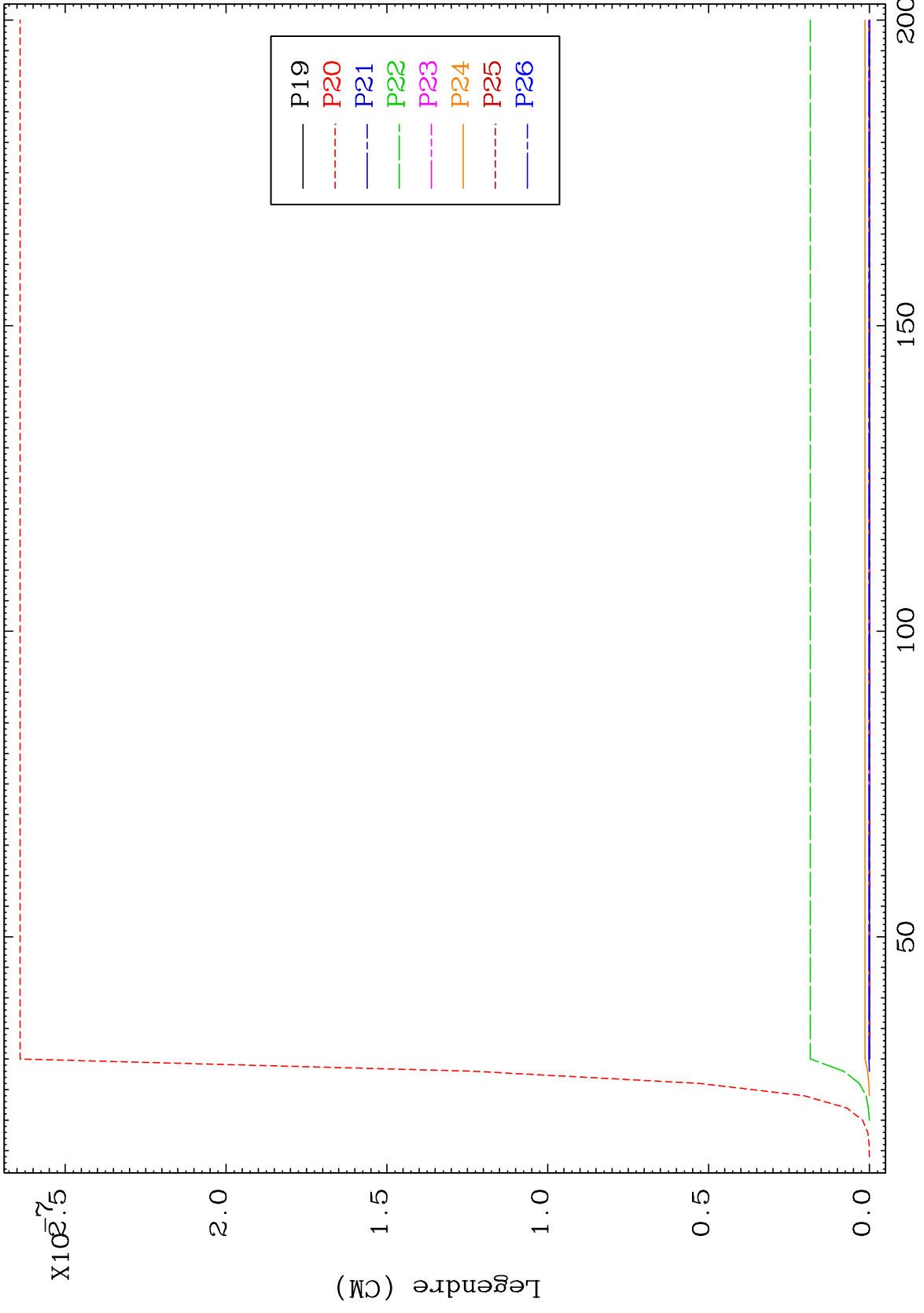


72

Incident Energy (MeV)

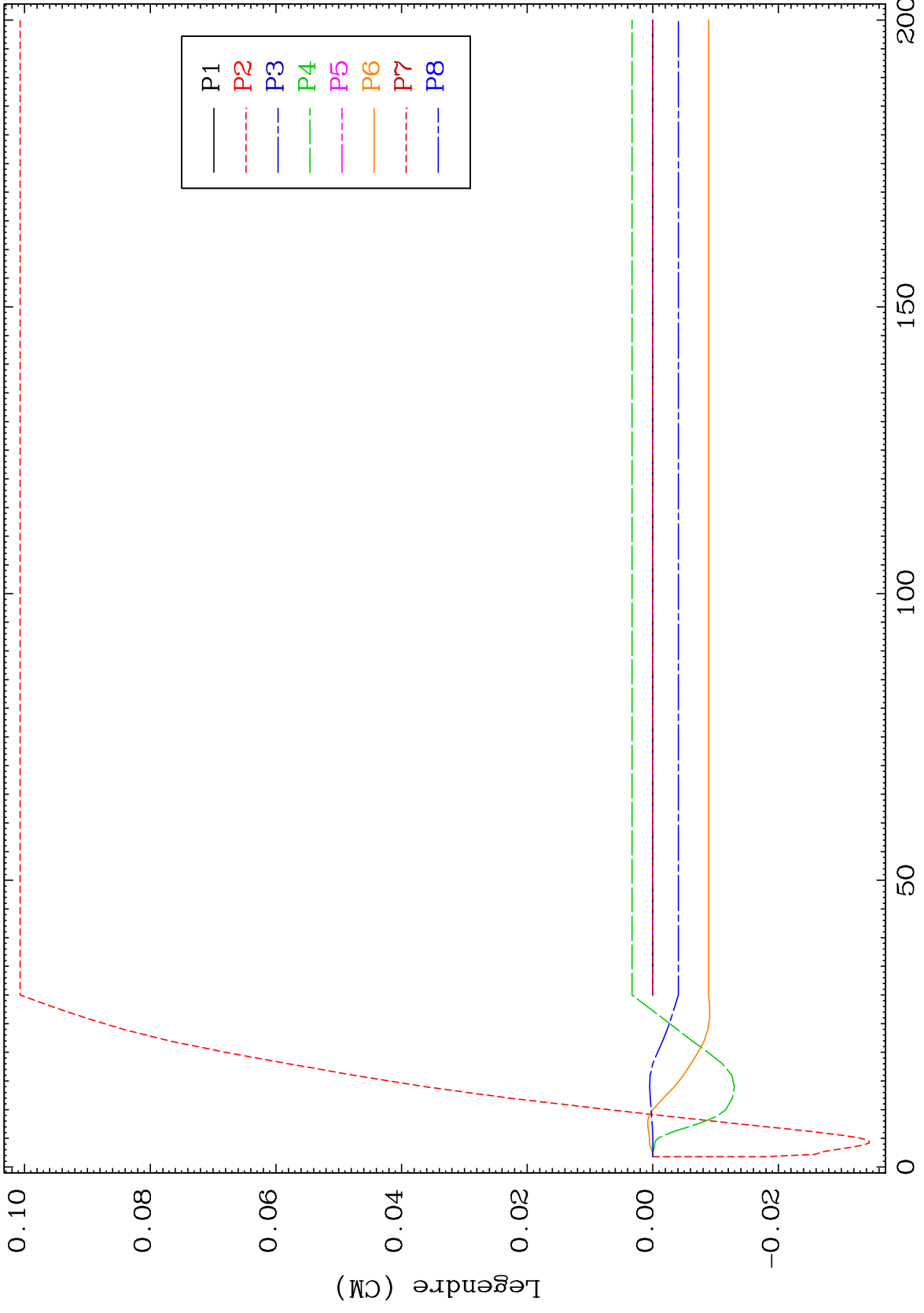
39-Y -87

MAT 3919 MT= 68 (n,n') Level Legendre Coefficients 39-Y -87



73 39-Y -87

MAT 3919 MT= 69 (n,n') Level Legendre Coefficients 39-Y -87

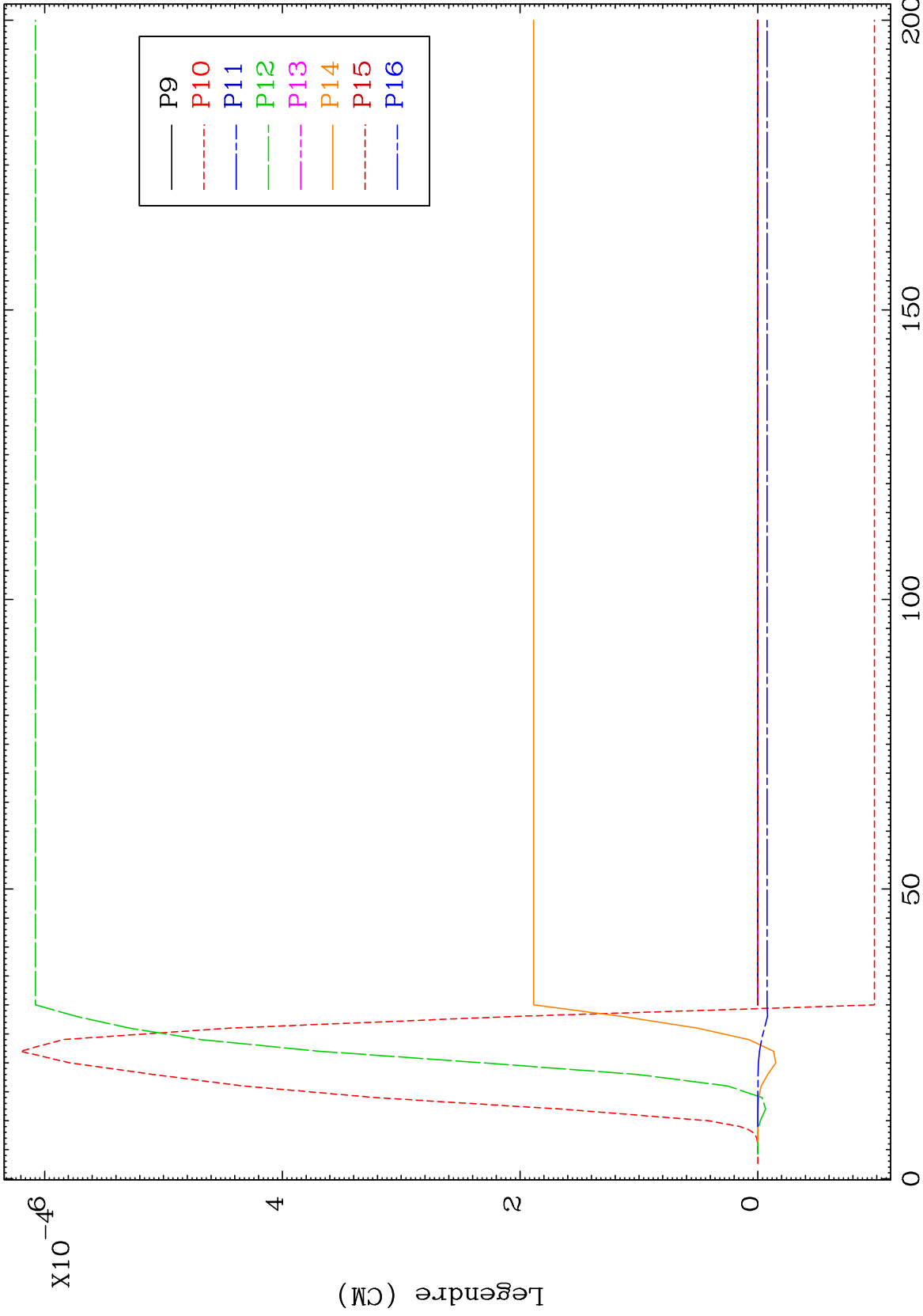


74 39-Y -87

MAT 3919

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

39-Y -87



75

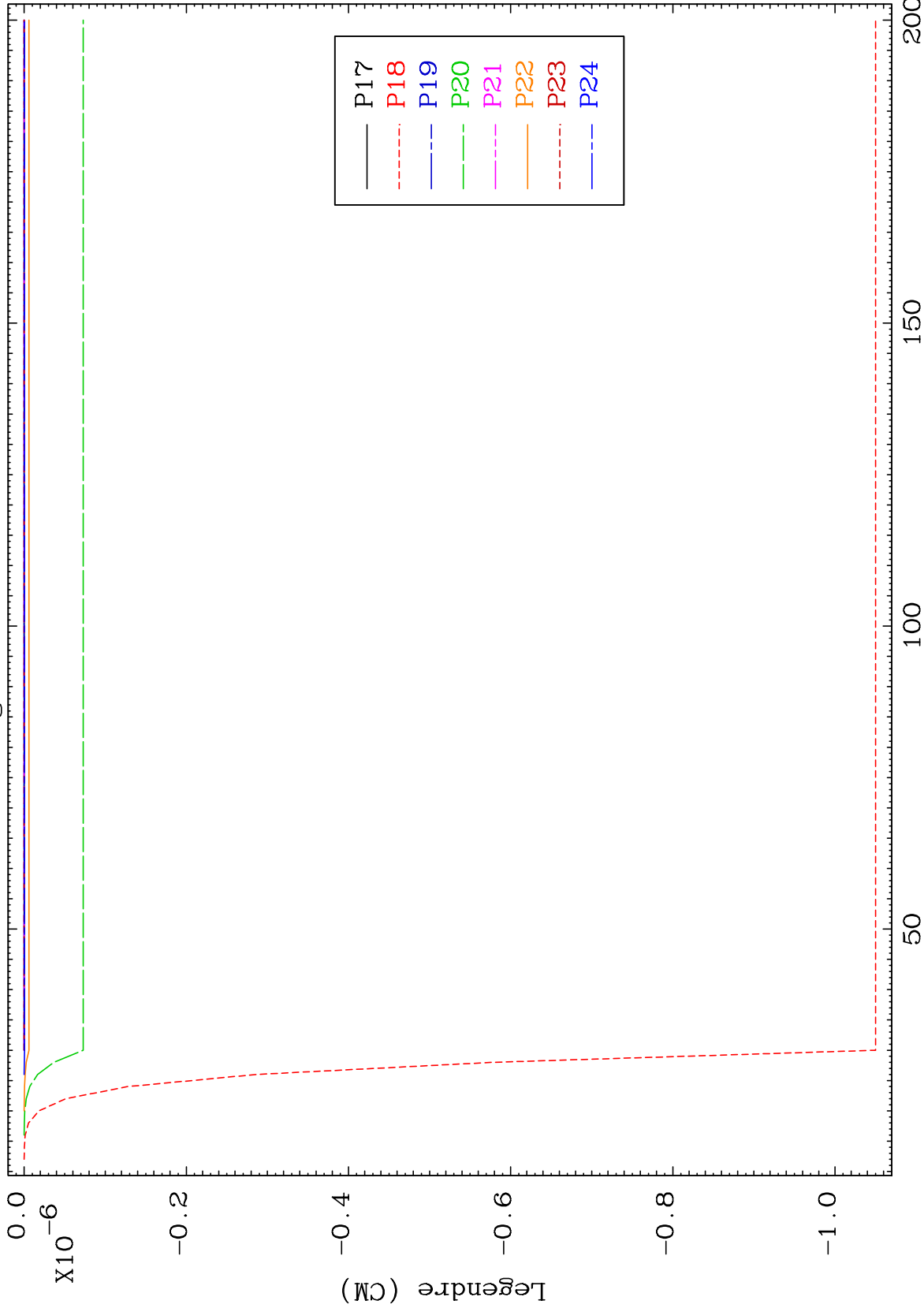
Incident Energy (MeV)

39-Y -87

MAT 3919

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

39-Y -87

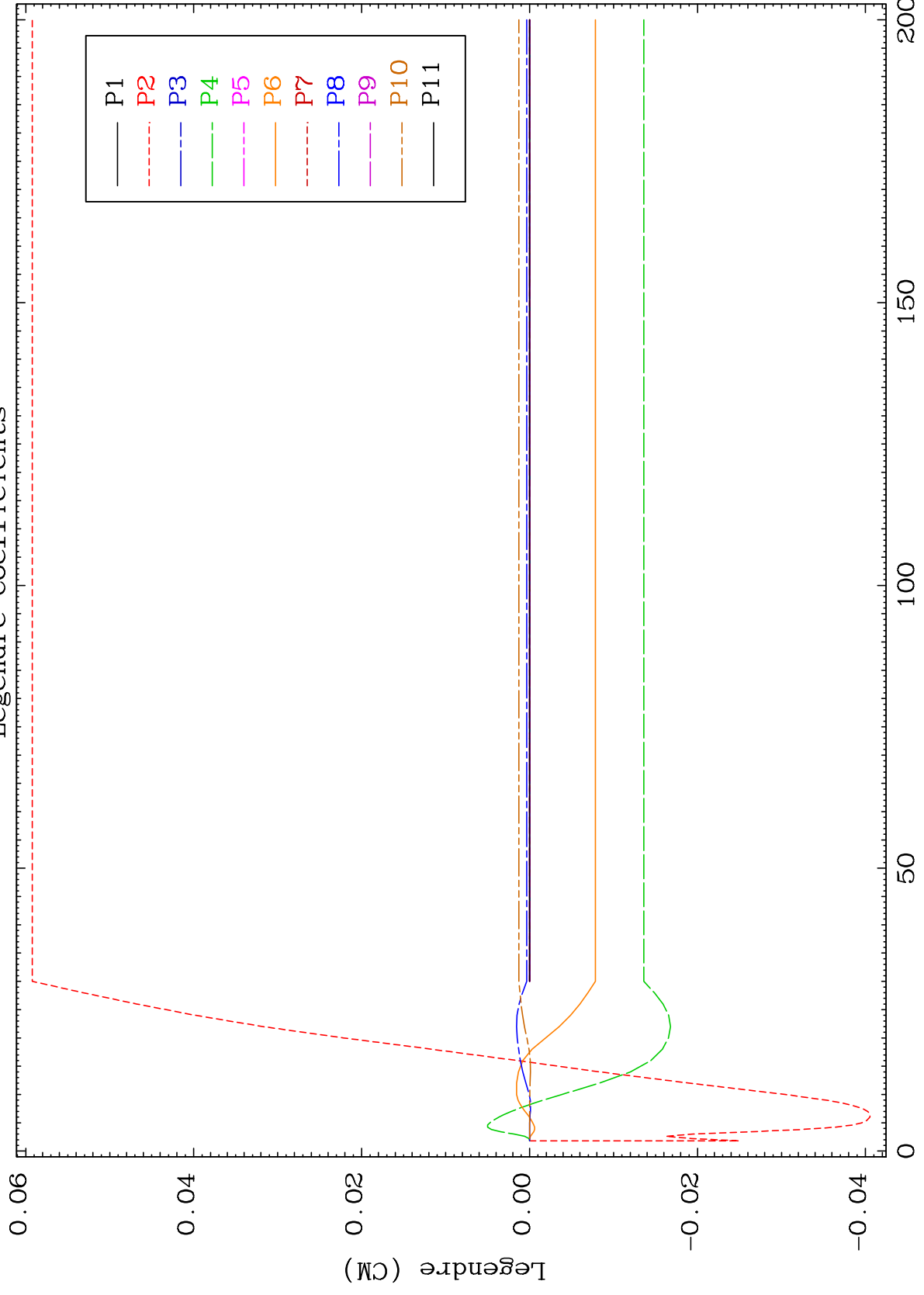


76

Incident Energy (MeV)

39-Y -87

MAT 3919 MT= 70 (n,n') Level Legendre Coefficients 39-Y -87

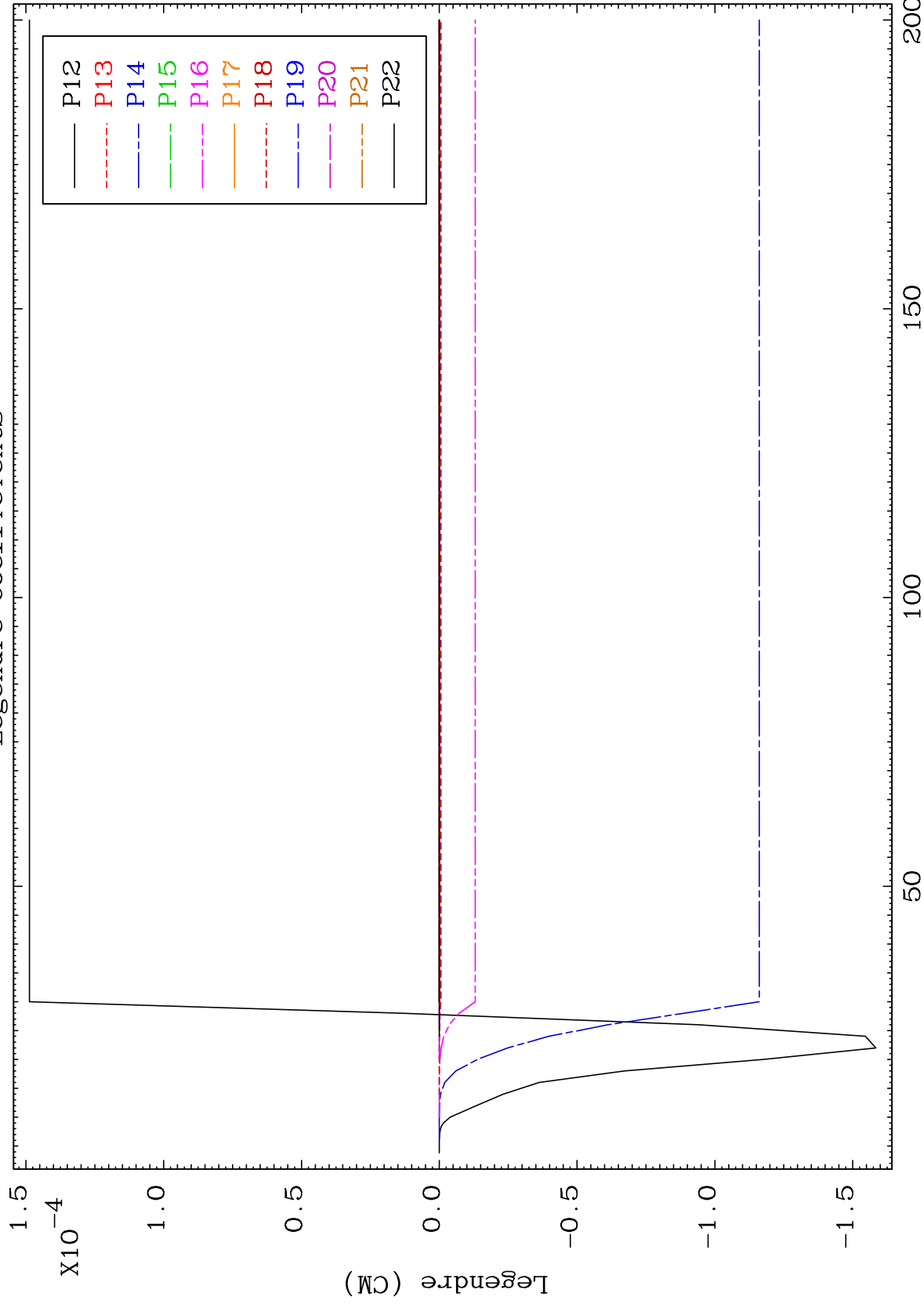


77 39-Y -87

MAT 3919

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

39-Y -87



78

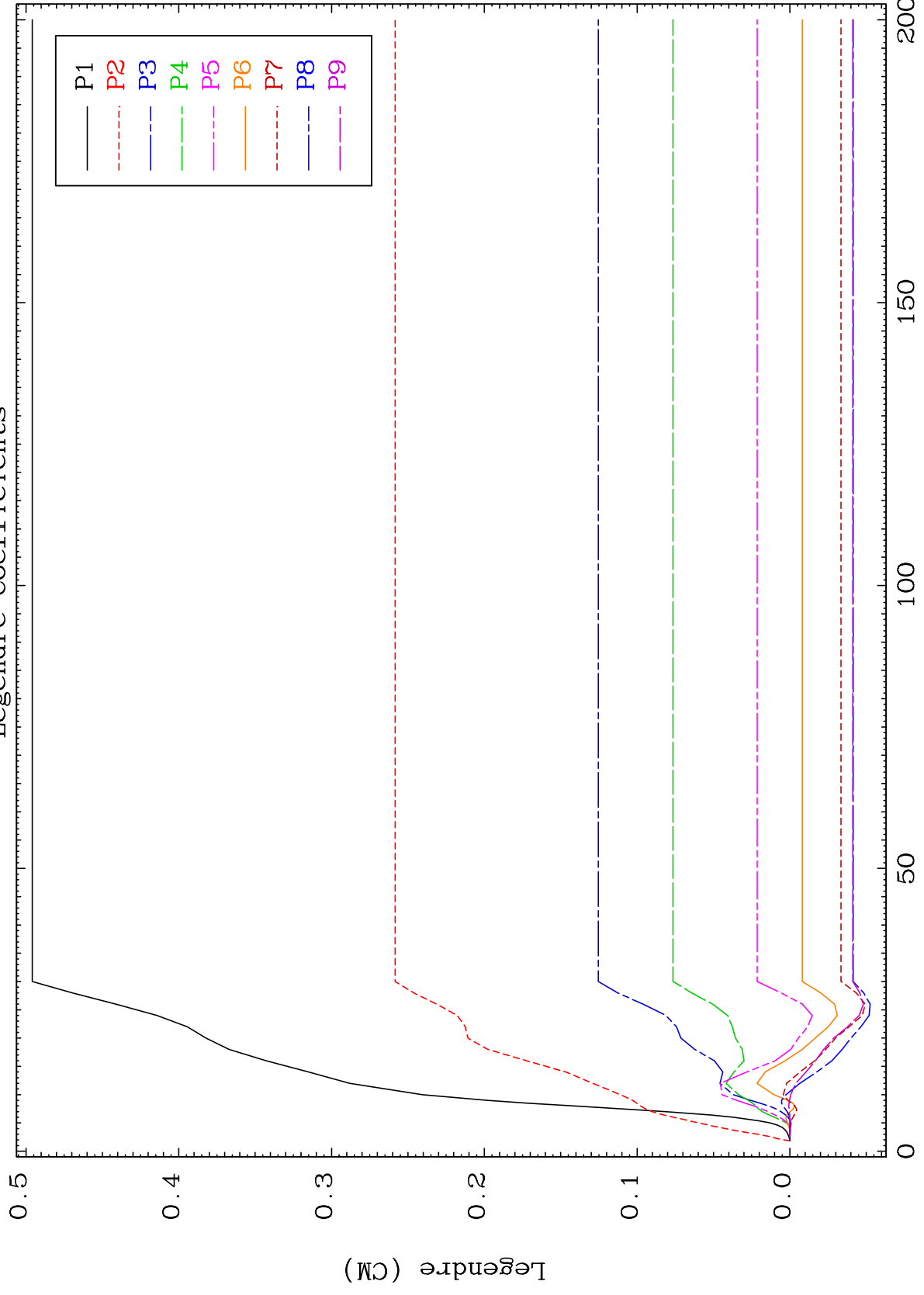
Incident Energy (MeV)

39-Y -87

MAT 3919

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

39-Y -87



39-Y -87

Incident Energy (MeV)

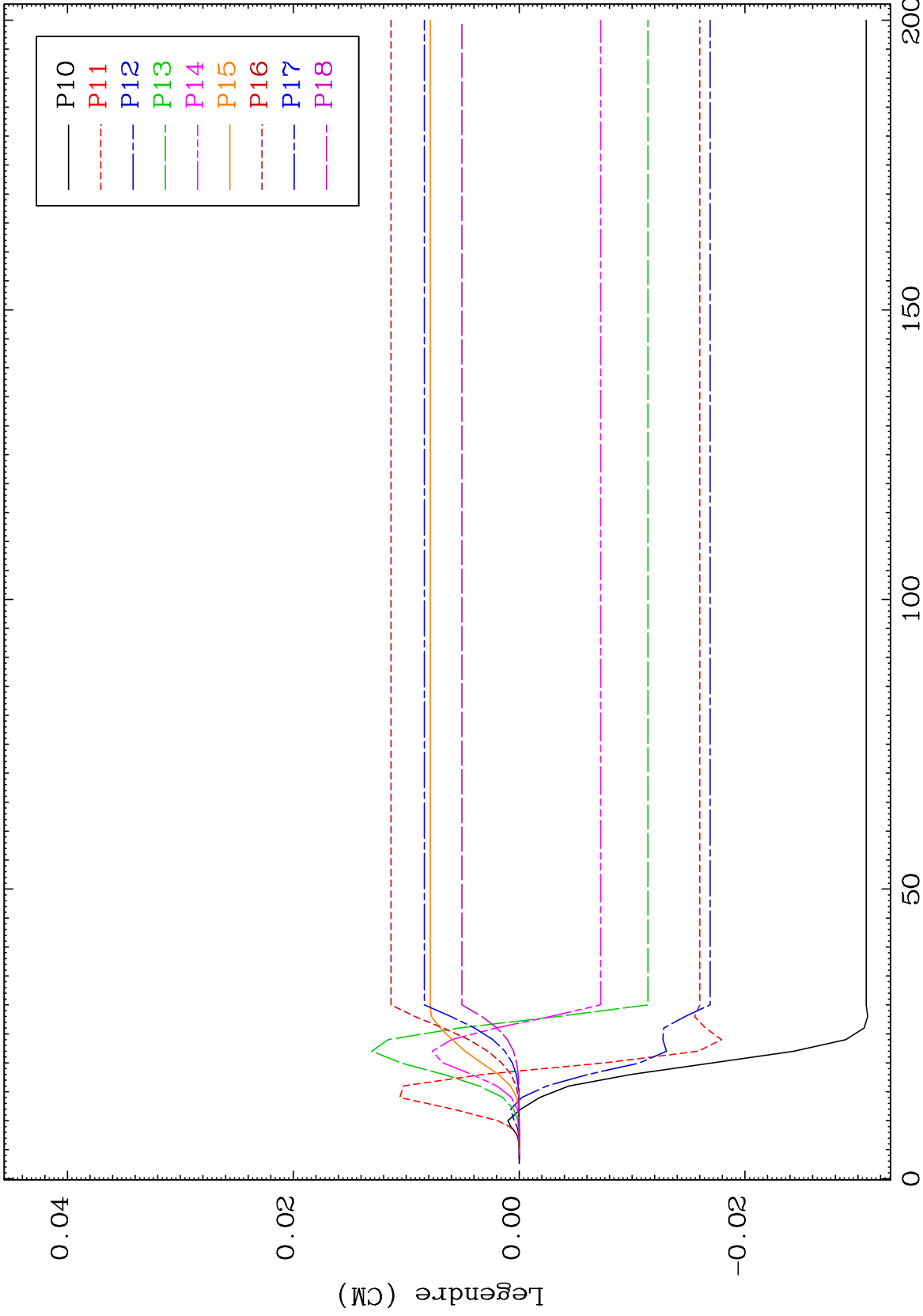
79



MAT 3919

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

39-Y -87



80

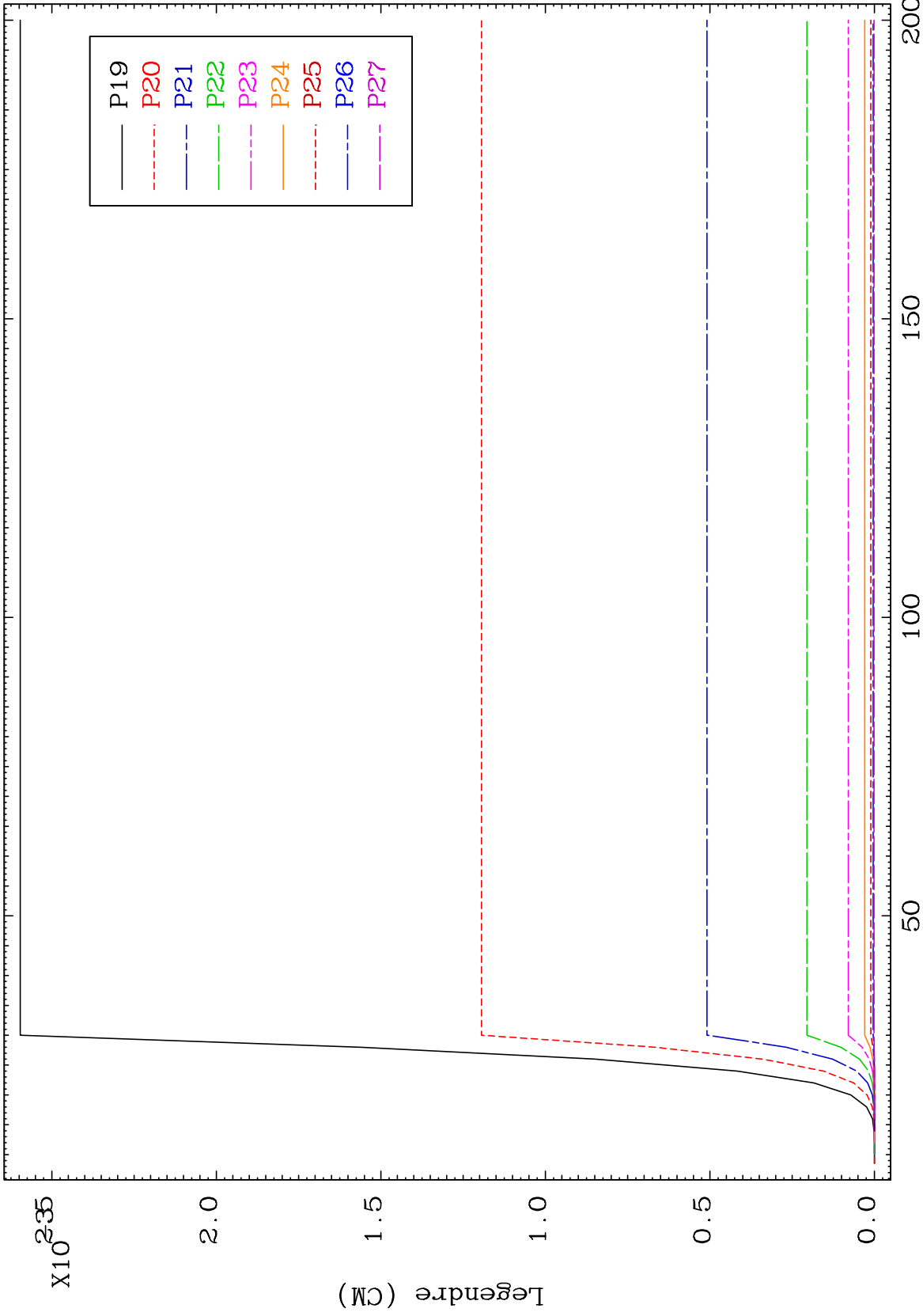
Incident Energy (MeV)

39-Y -87

MAT 3919

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

39-Y -87



81

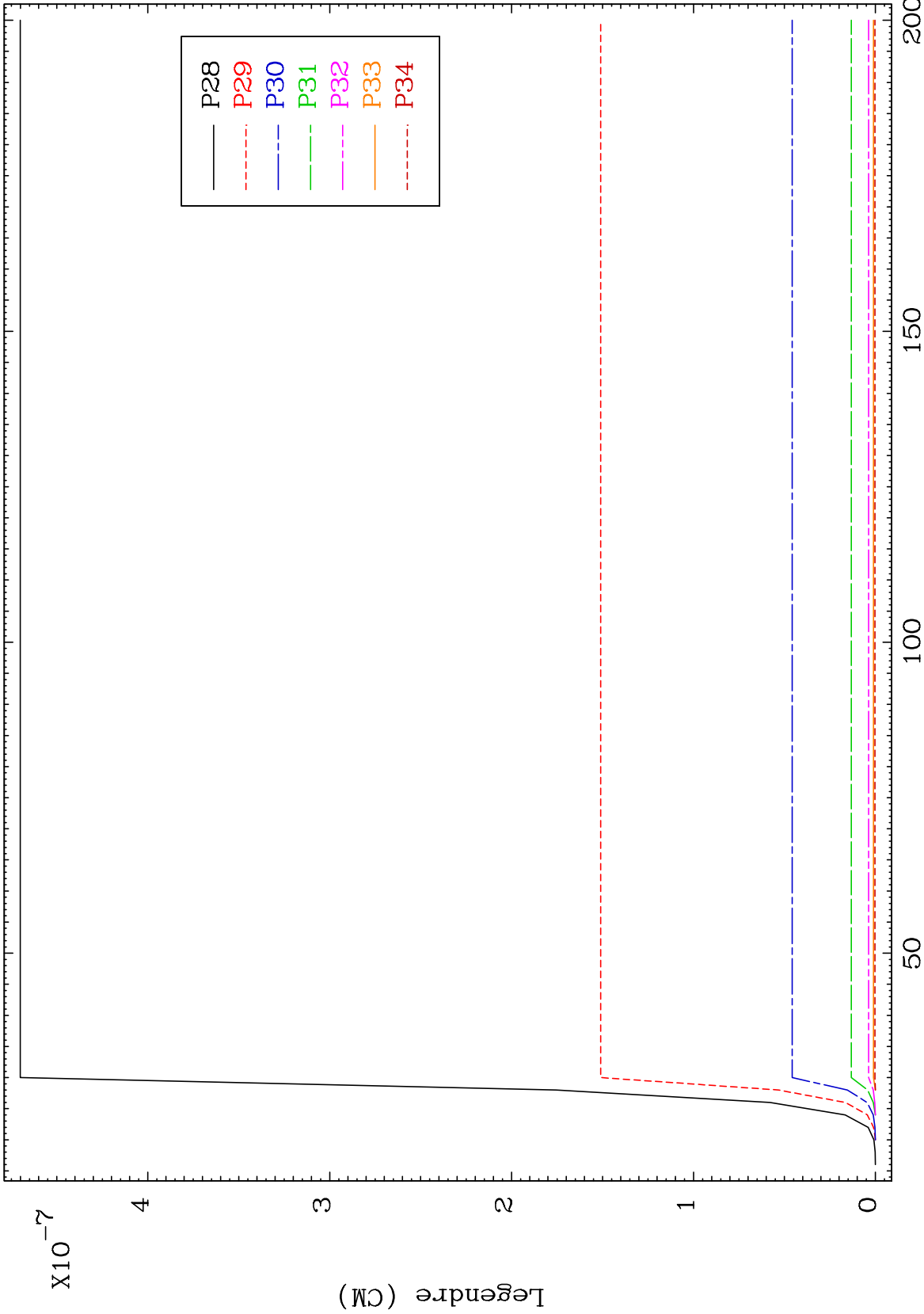
Incident Energy (MeV)

39-Y -87

MAT 3919

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

39-Y -87



82

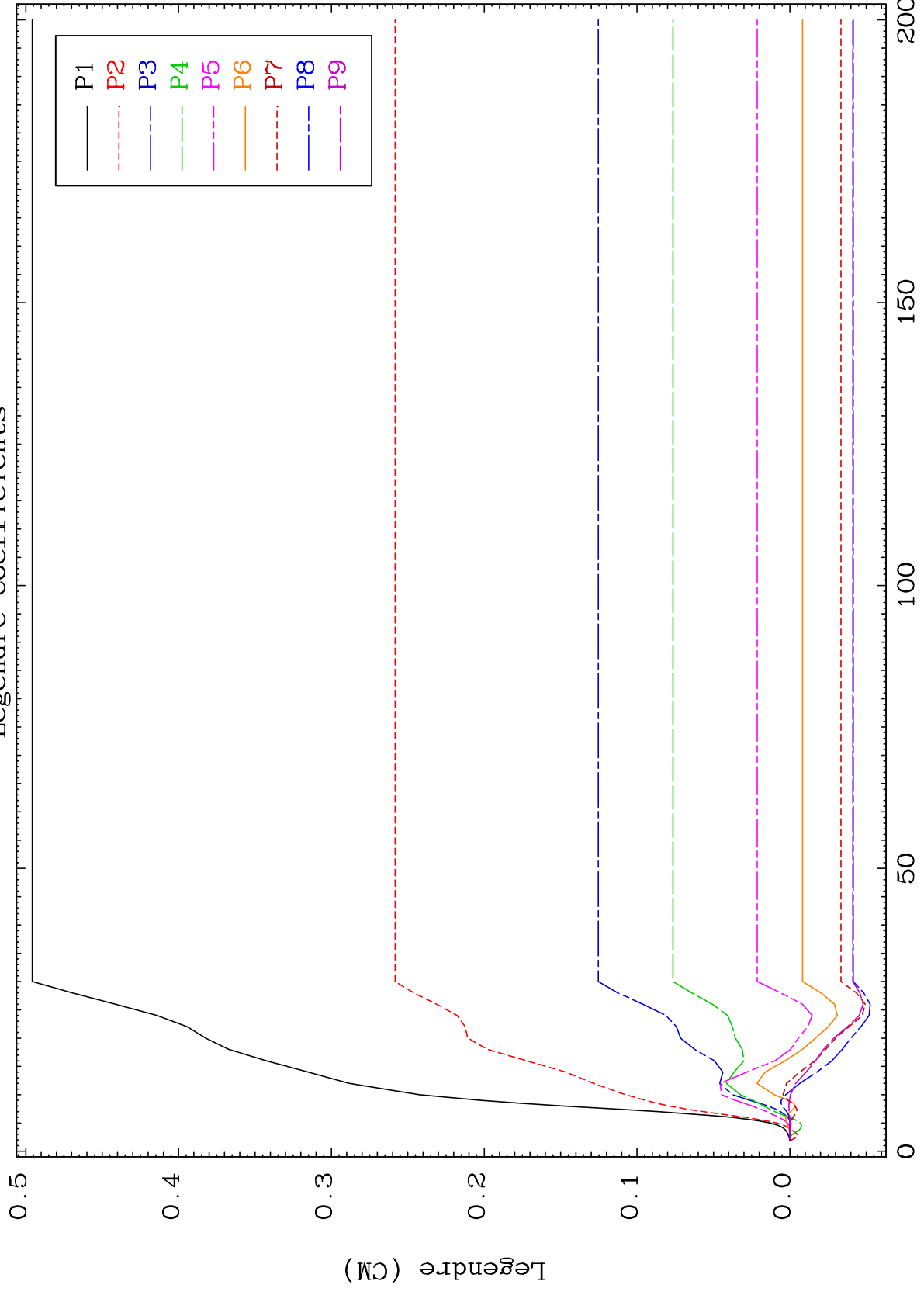
Incident Energy (MeV)

39-Y -87

MAT 3919

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

39-Y -87



39-Y -87

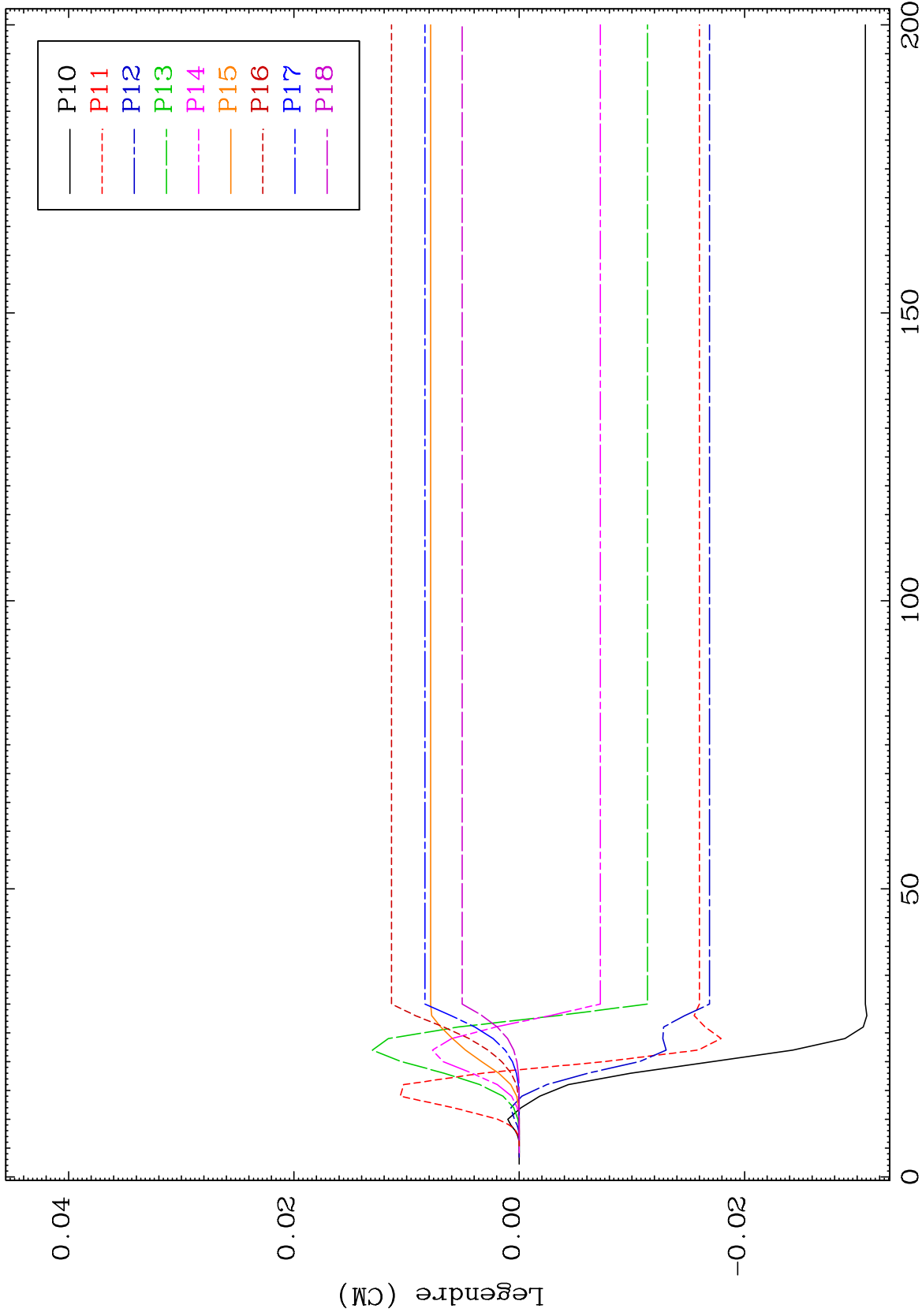
Incident Energy (MeV)

83

MAT 3919

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

39-Y -87



84

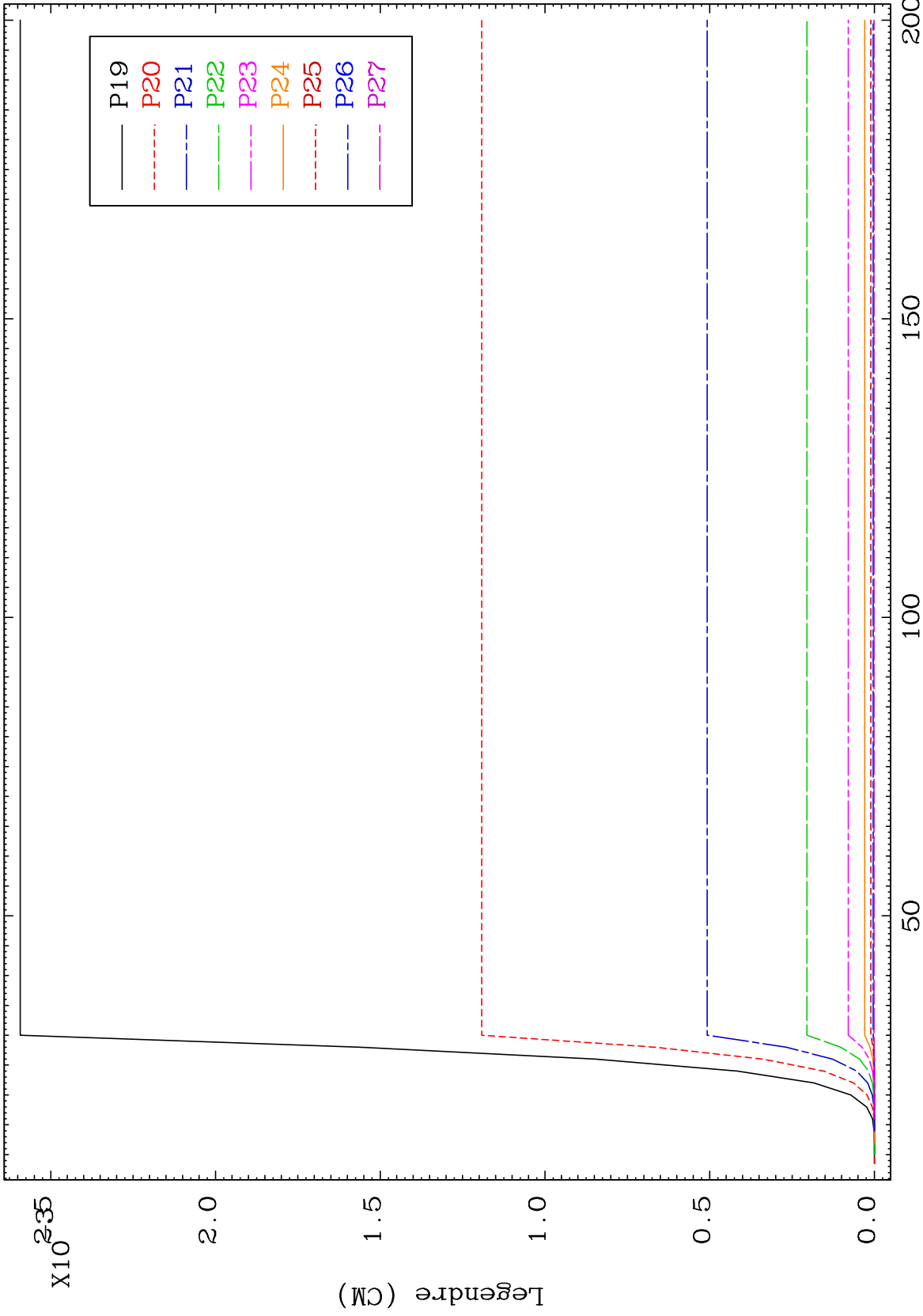
Incident Energy (MeV)

39-Y -87

MAT 3919

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

39-Y -87



85

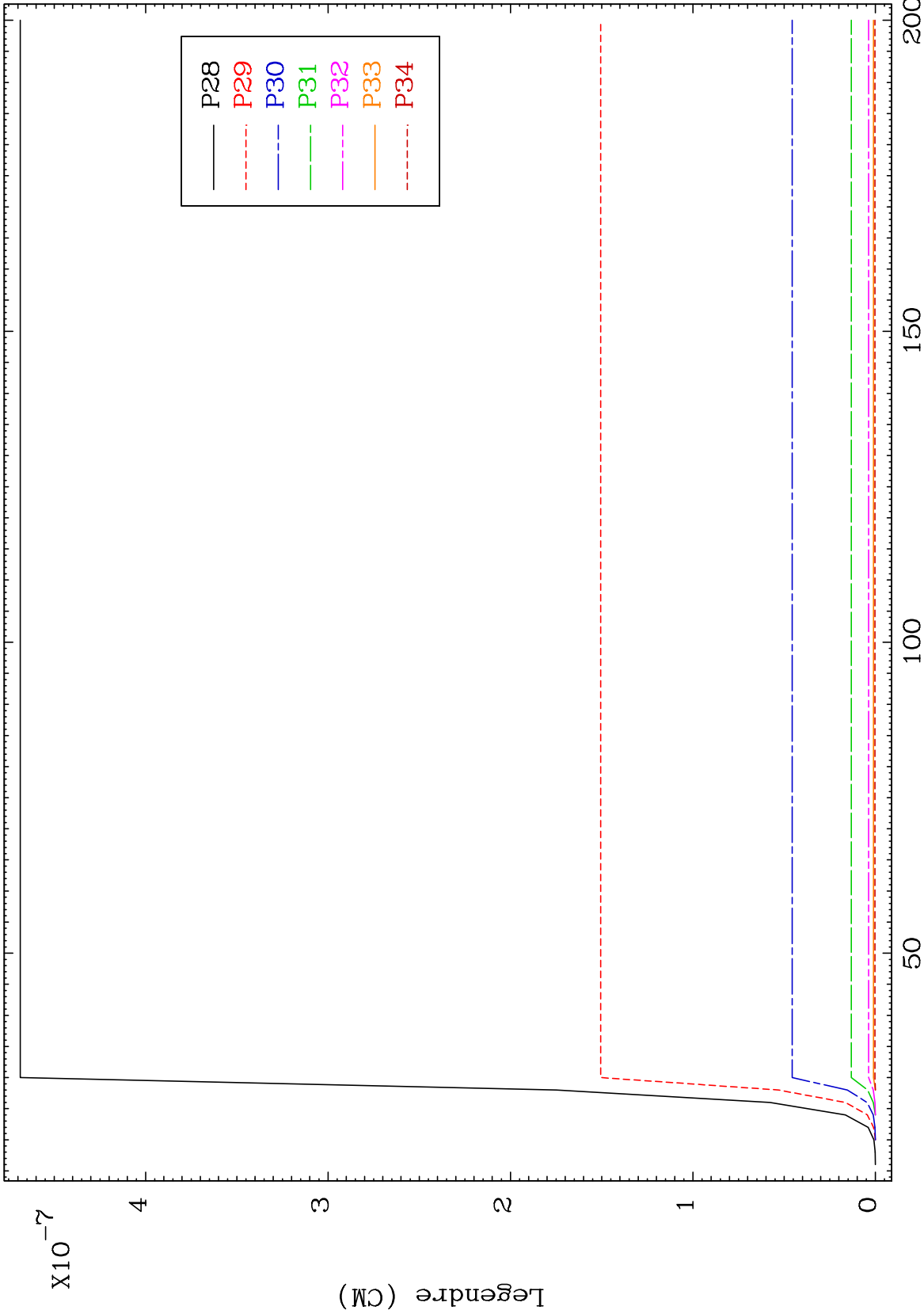
Incident Energy (MeV)

39-Y -87

MAT 3919

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

39-Y -87

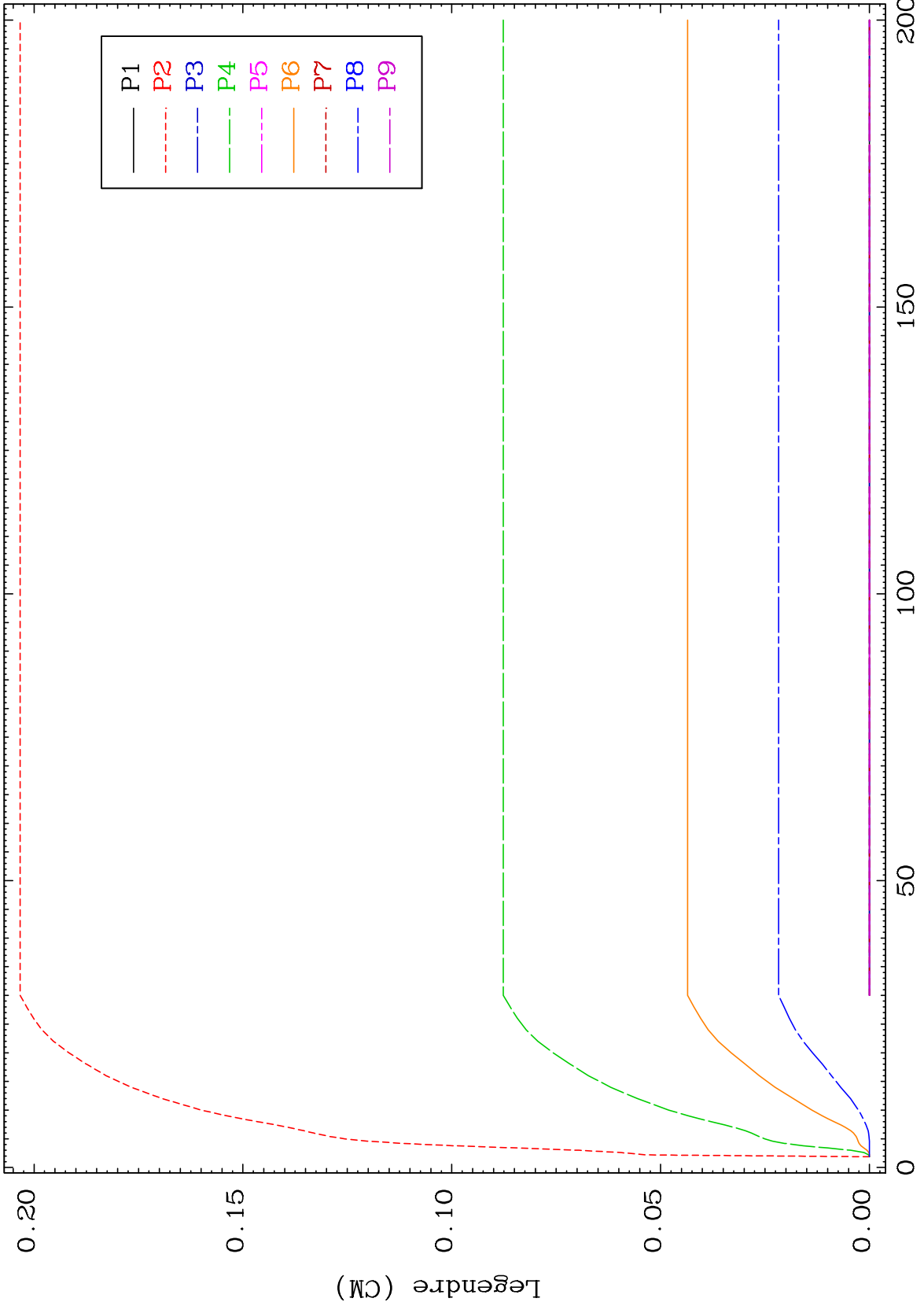


86

Incident Energy (MeV)

39-Y -87

MAT 3919 MT= 73 (n,n') Level Legendre Coefficients 39-Y -87



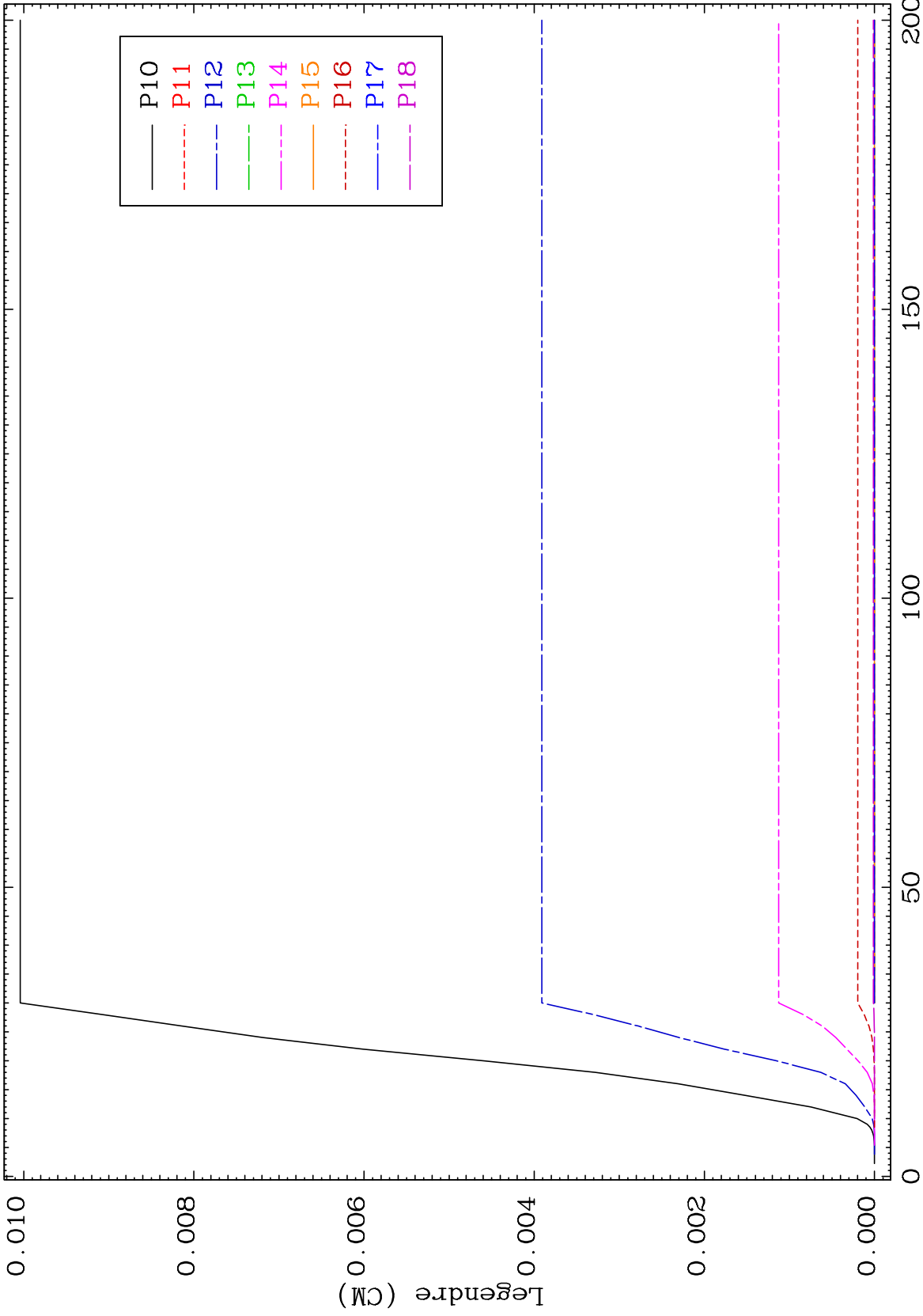
87 39-Y -87



MAT 3919

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

39-Y -87



88

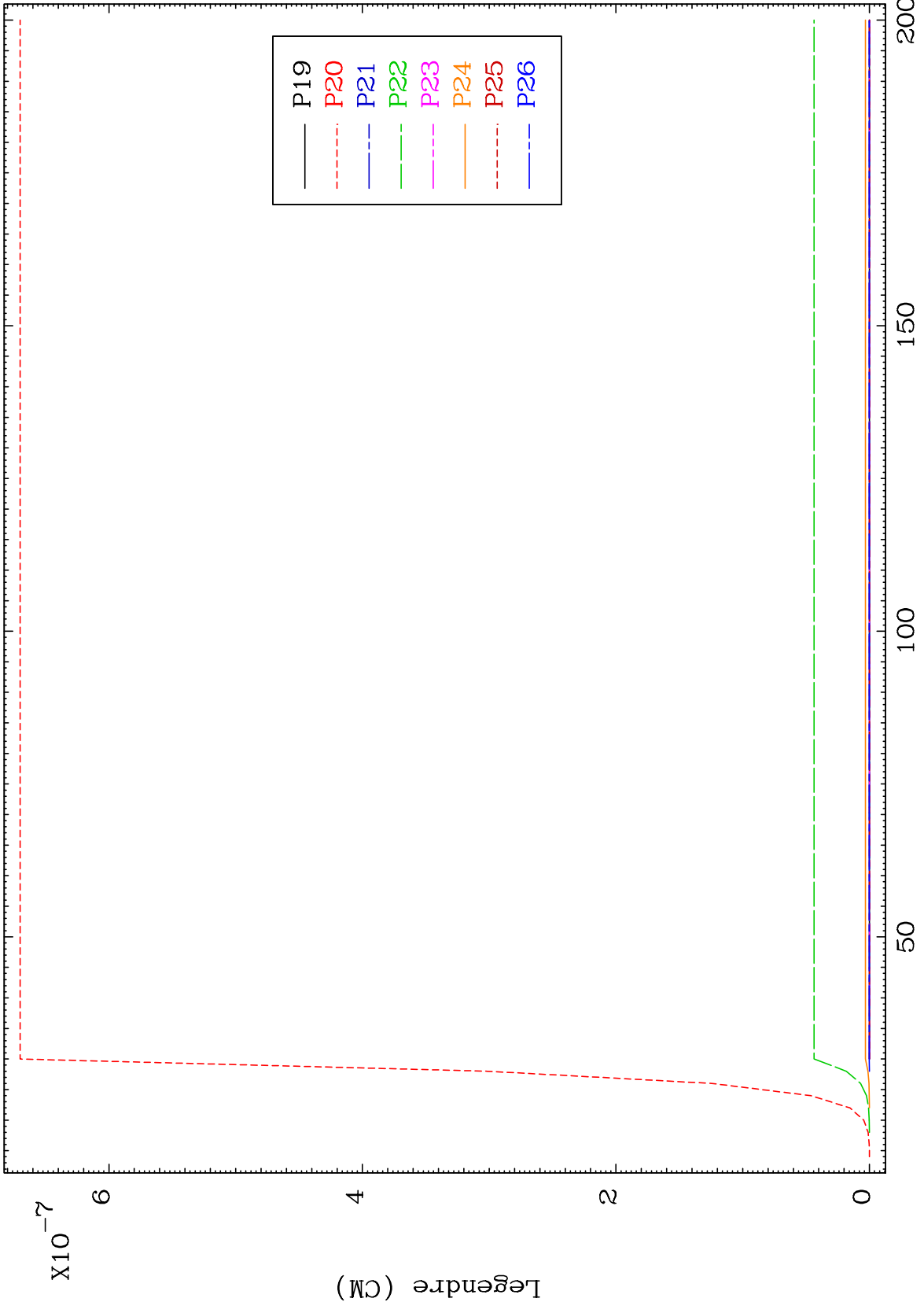
Incident Energy (MeV)

39-Y -87

MAT 3919

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

39-Y -87

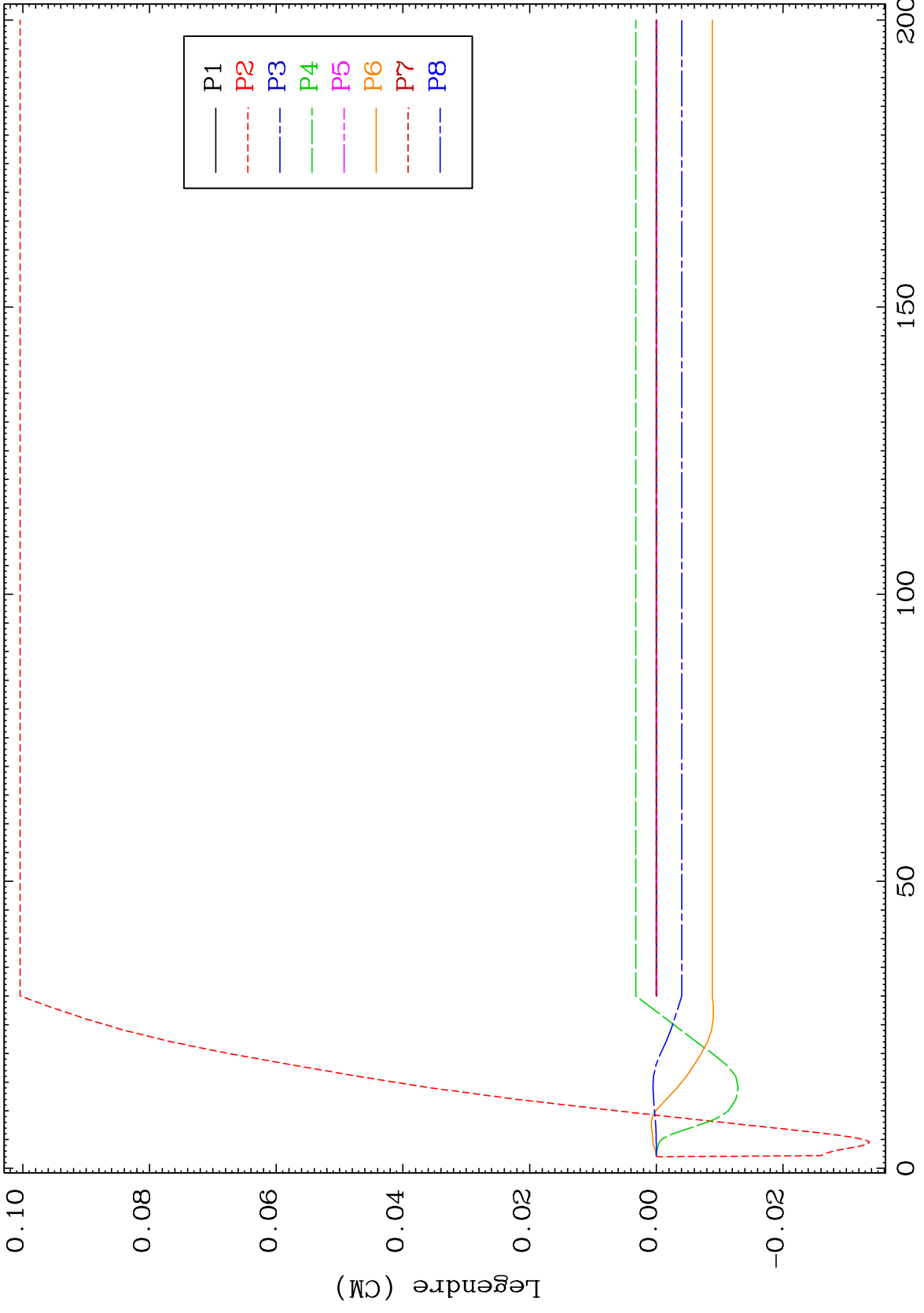


39-Y -87

Incident Energy (MeV)

89

MAT 3919 MT= 74 (n,n') Level Legendre Coefficients 39-Y -87

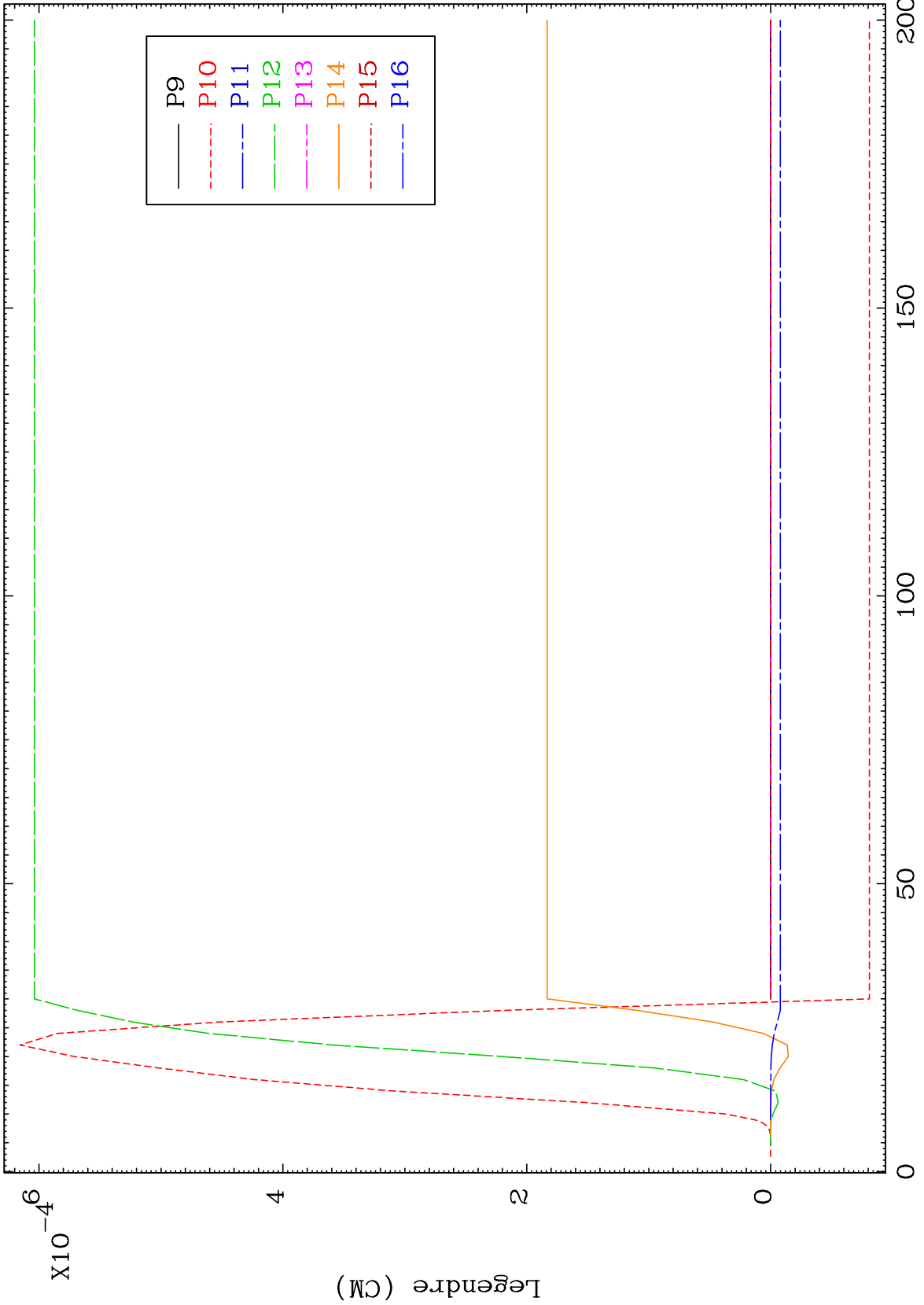


39-Y -87

MAT 3919

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

39-Y -87



91

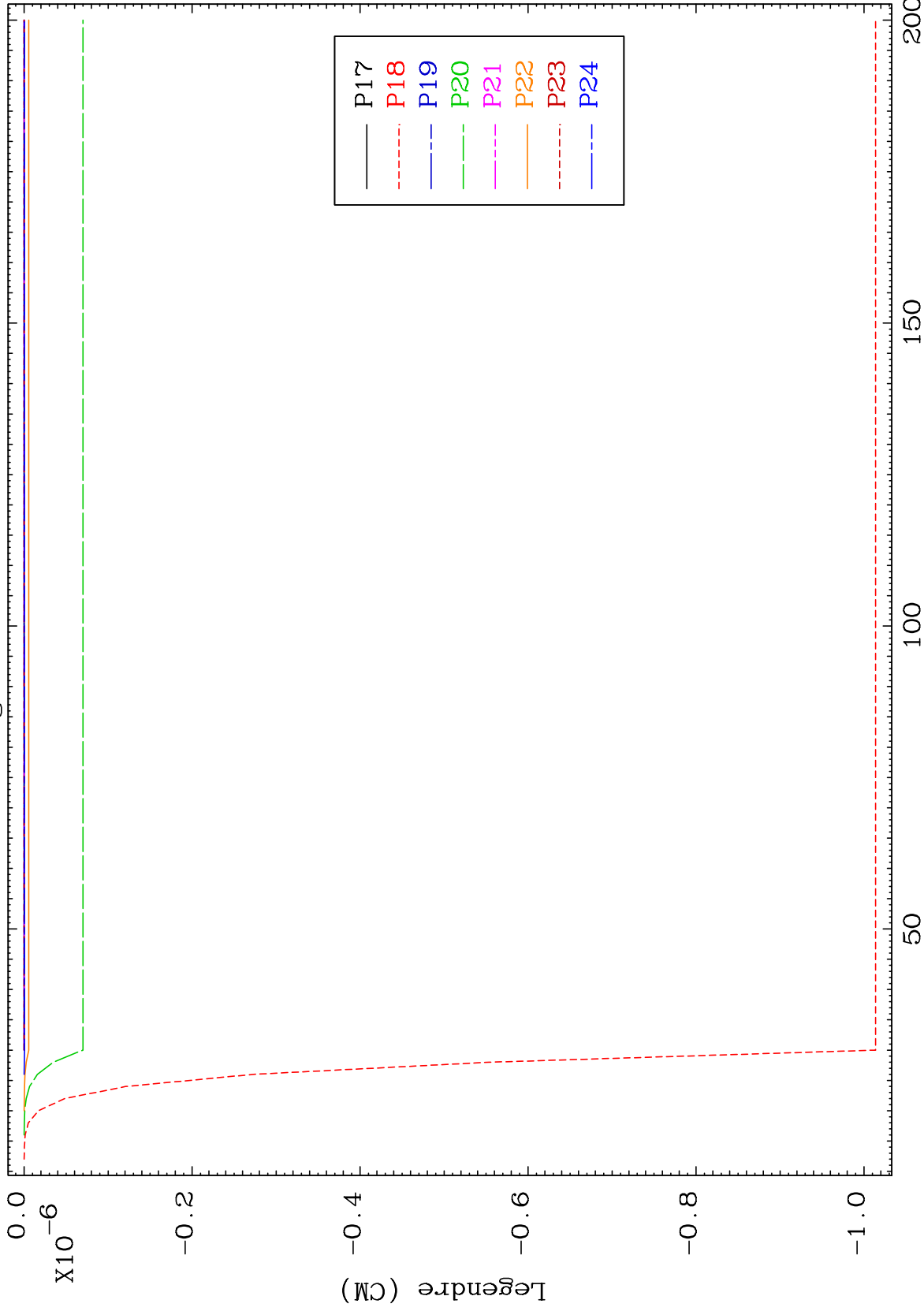
Incident Energy (MeV)

39-Y -87

MAT 3919

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

39-Y -87

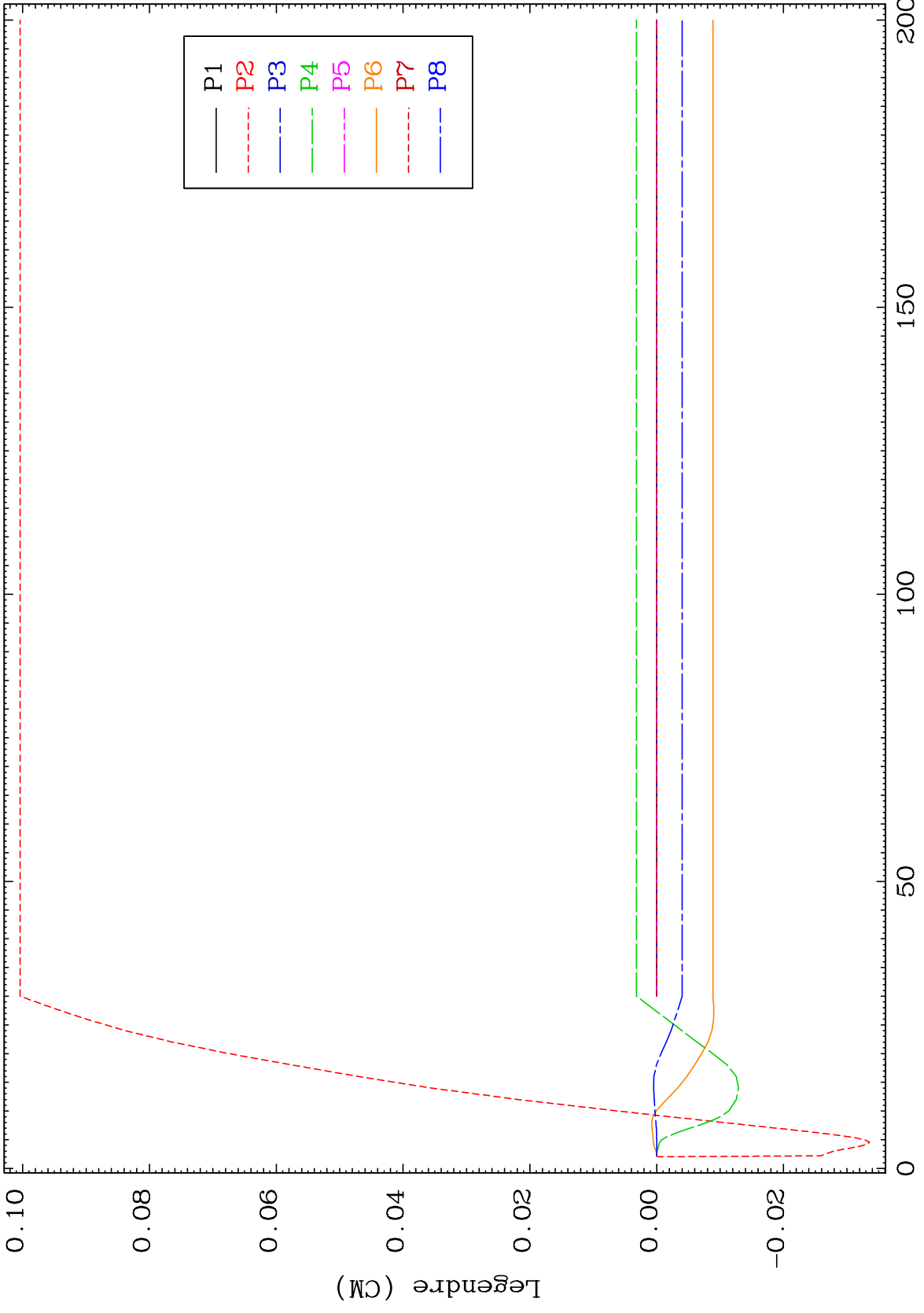


92

Incident Energy (MeV)

39-Y -87

MAT 3919 MT= 75 (n,n') Level Legendre Coefficients 39-Y -87

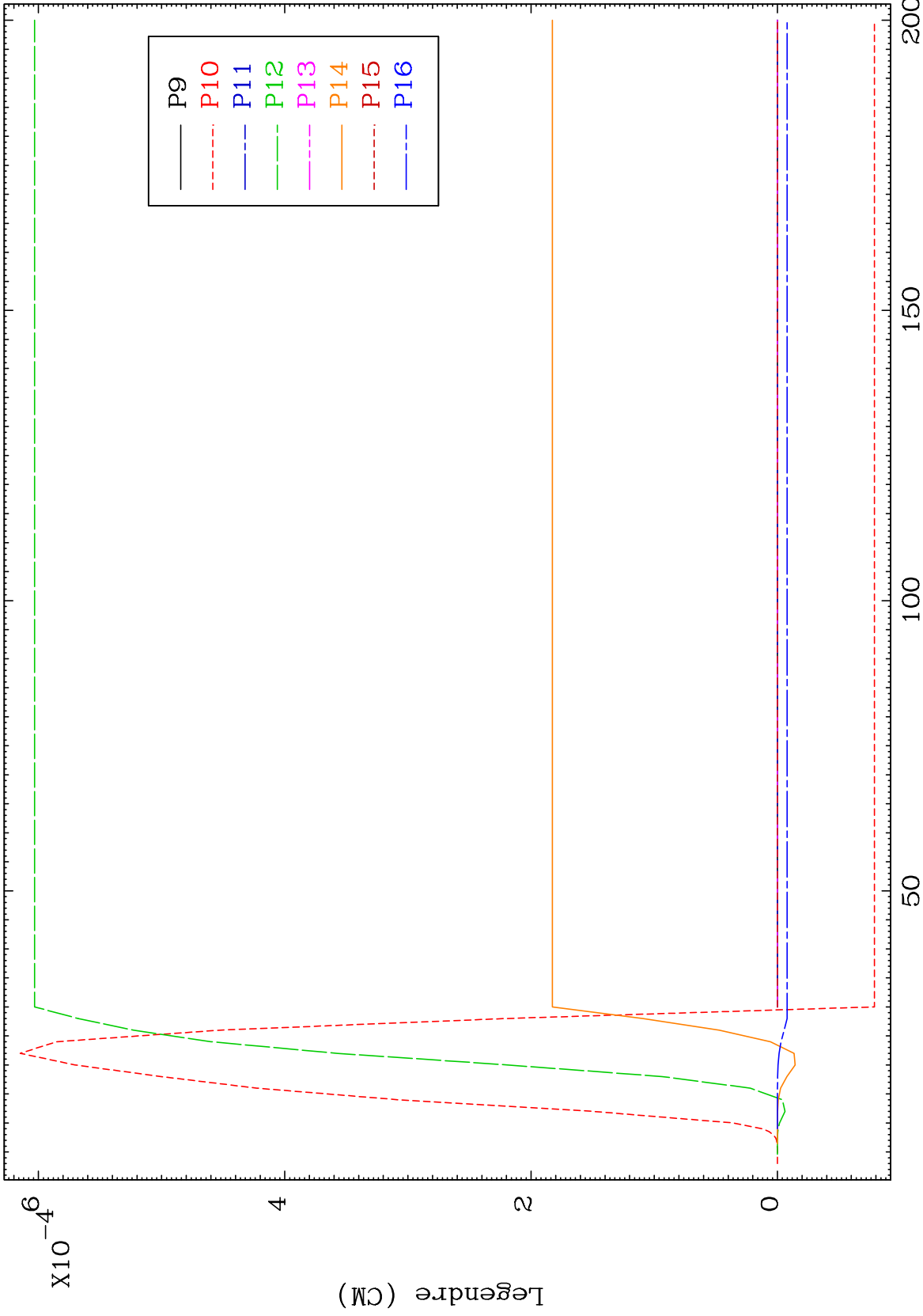


93 39-Y -87

MAT 3919

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

39-Y -87



94

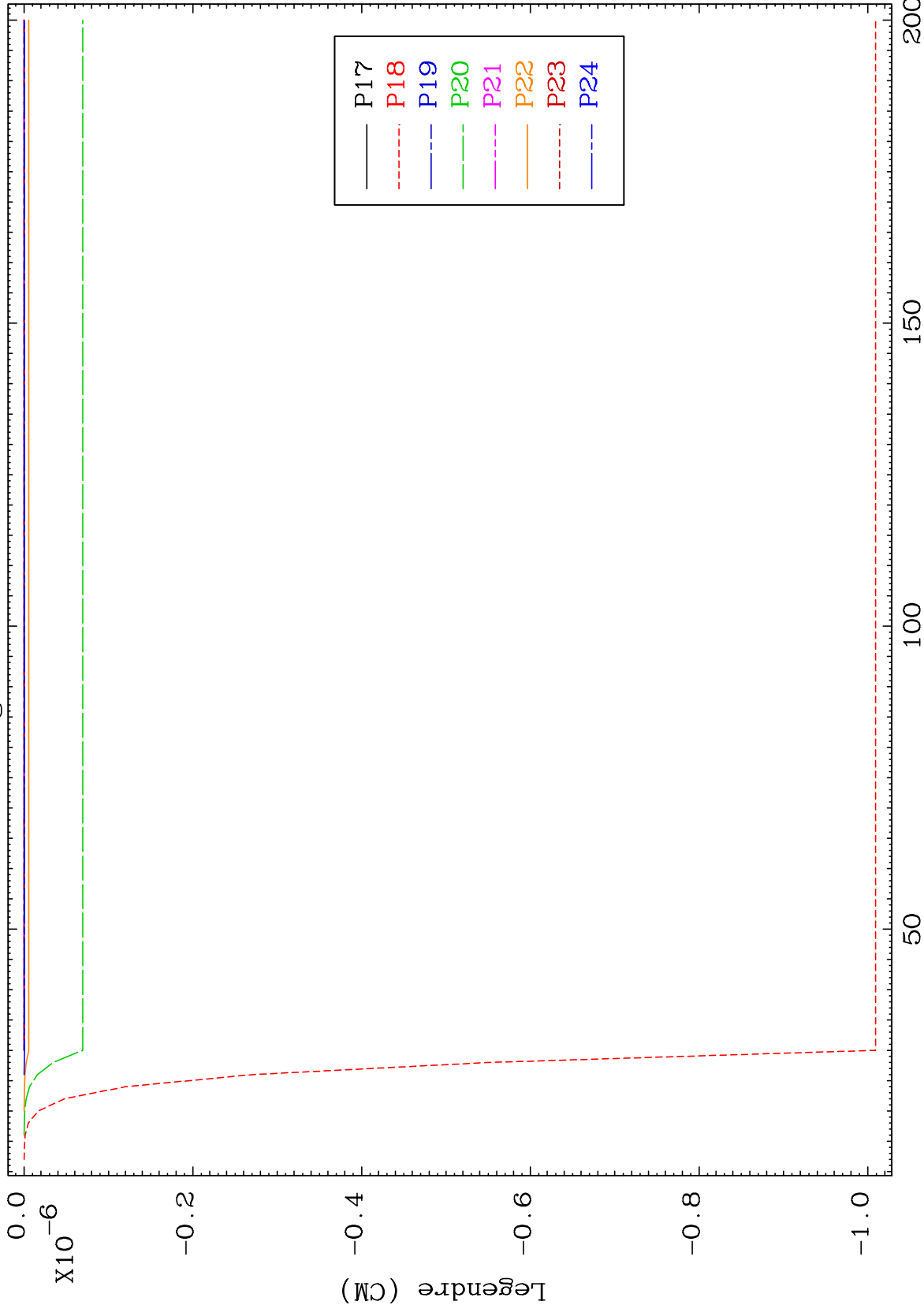
Incident Energy (MeV)

39-Y -87

MAT 3919

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

39-Y -87



39-Y -87

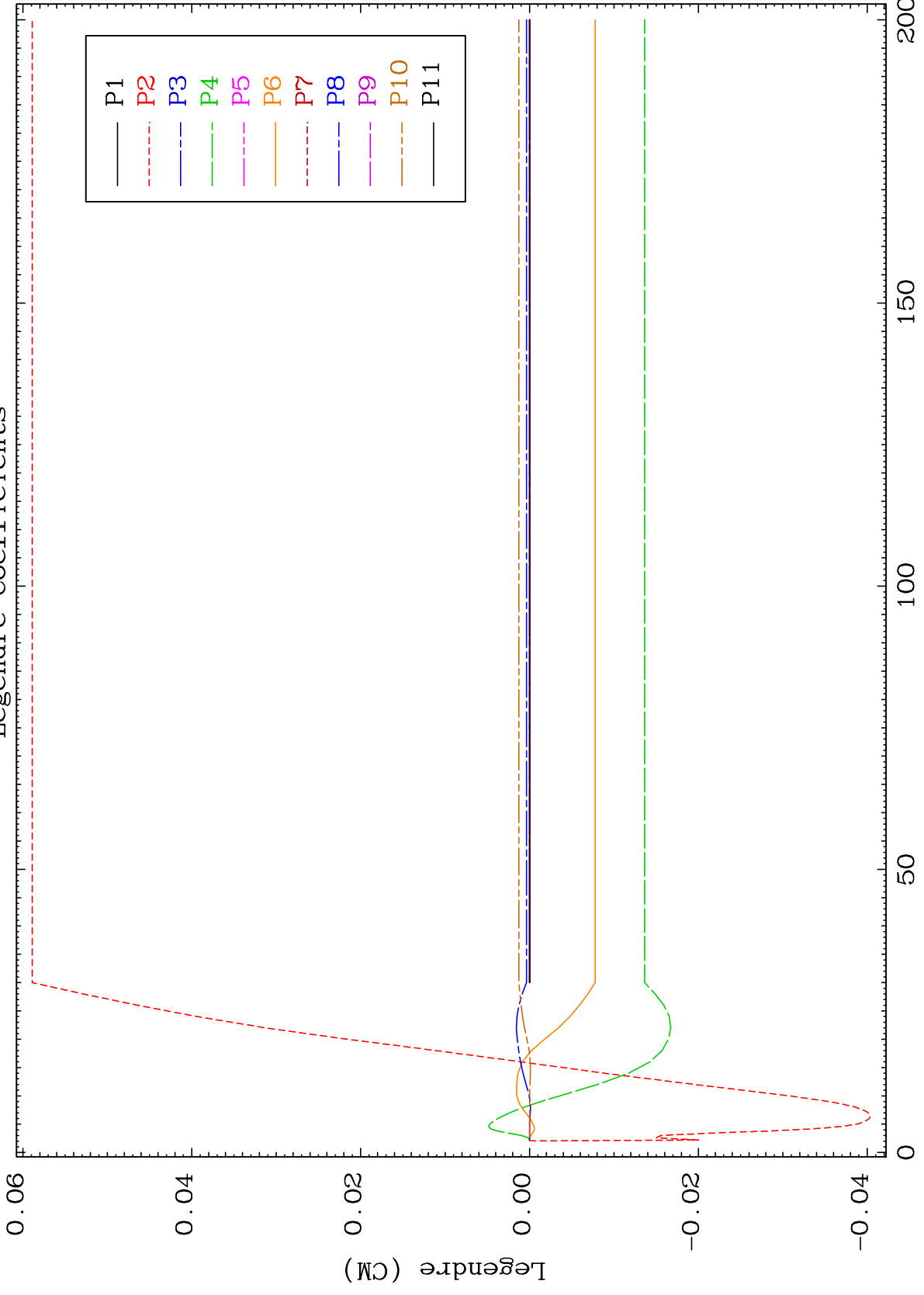
Incident Energy (MeV)

95



MAT 3919 MT= 76 (n,n') Level Legendre Coefficients

39-Y -87



39-Y -87

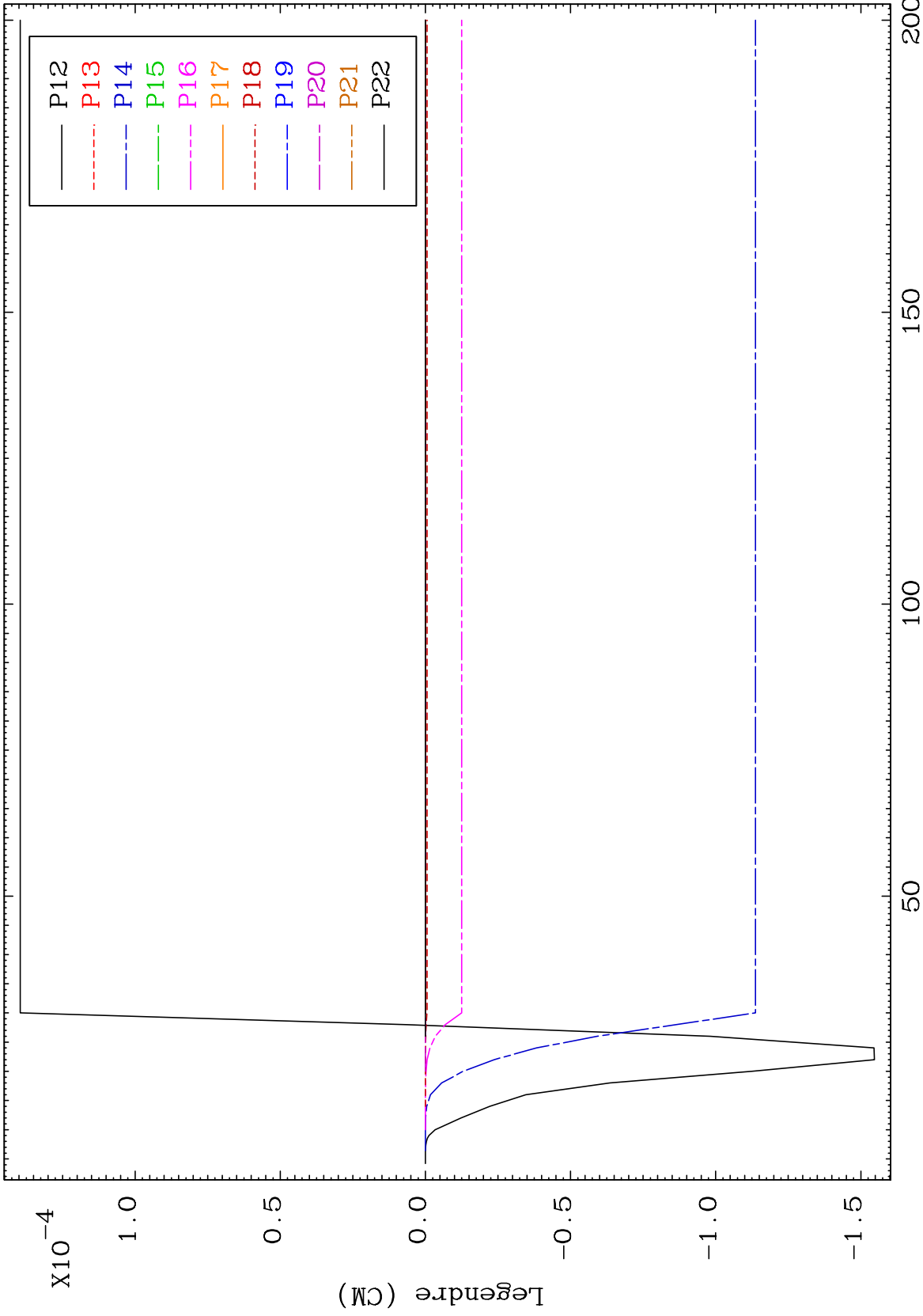
Incident Energy (MeV)

96

MAT 3919

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

39-Y -87



97

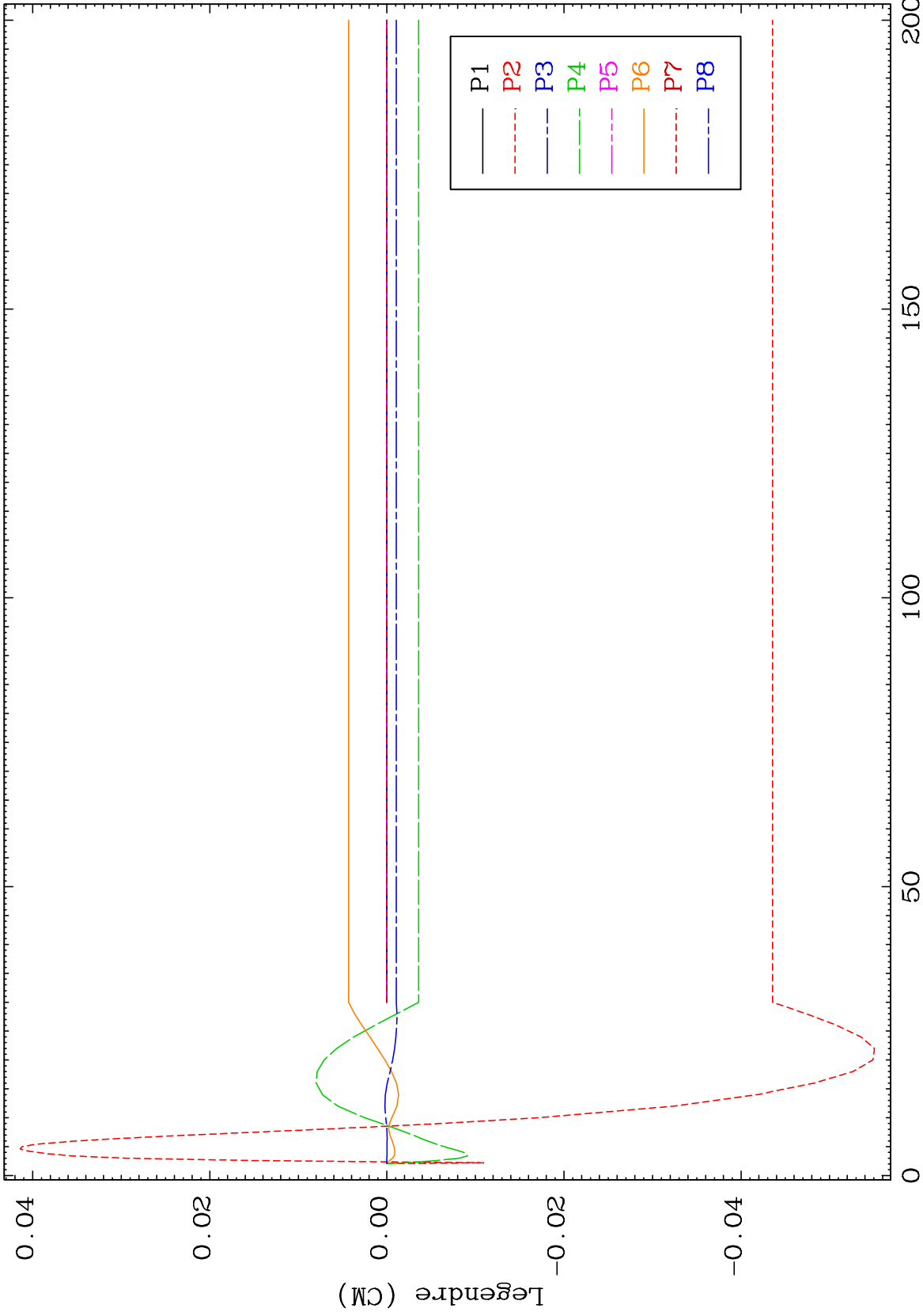
Incident Energy (MeV)

39-Y -87

MAT 3919

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

39-Y -87



98

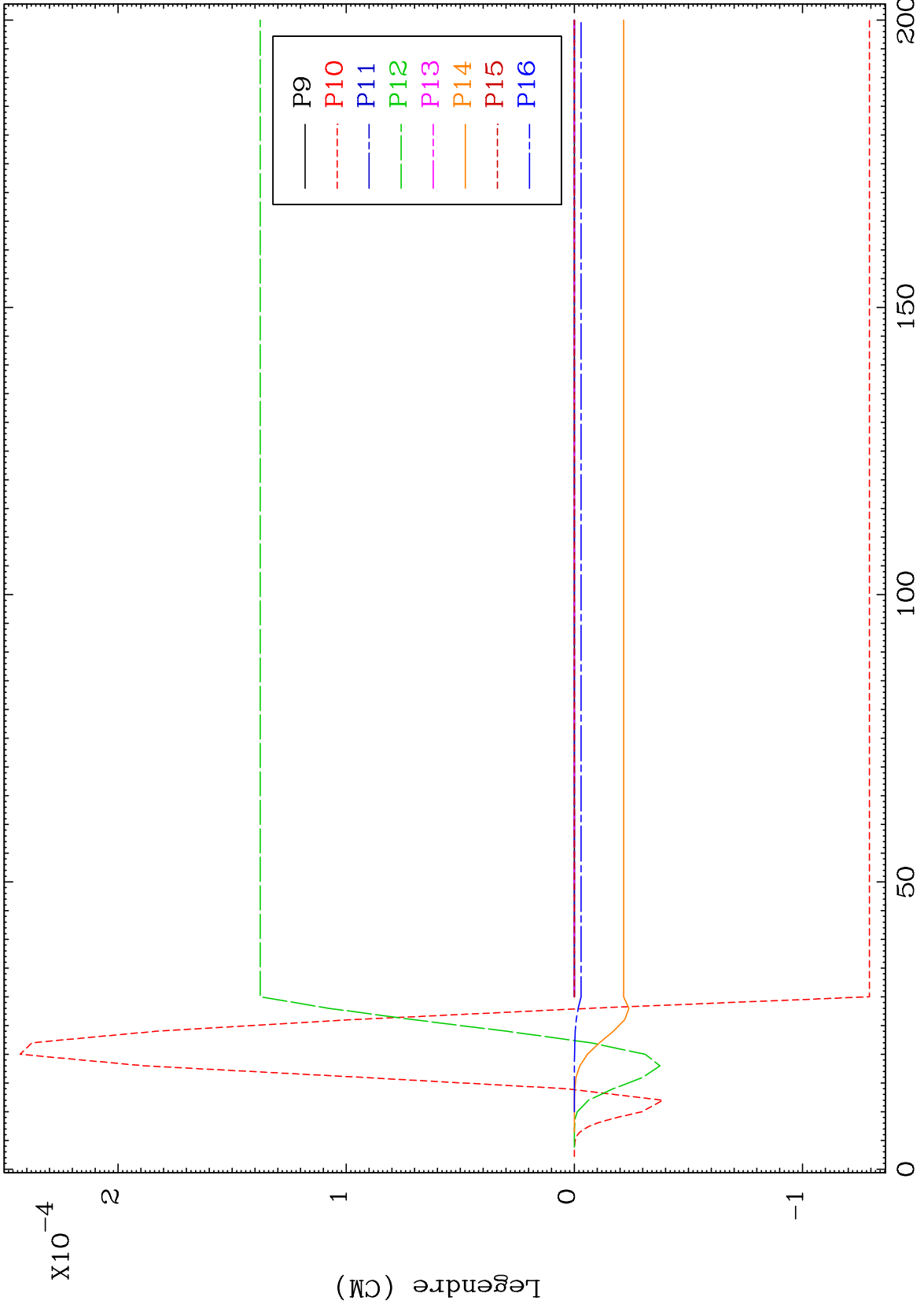
Incident Energy (MeV)

39-Y -87

MAT 3919

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

39-Y -87



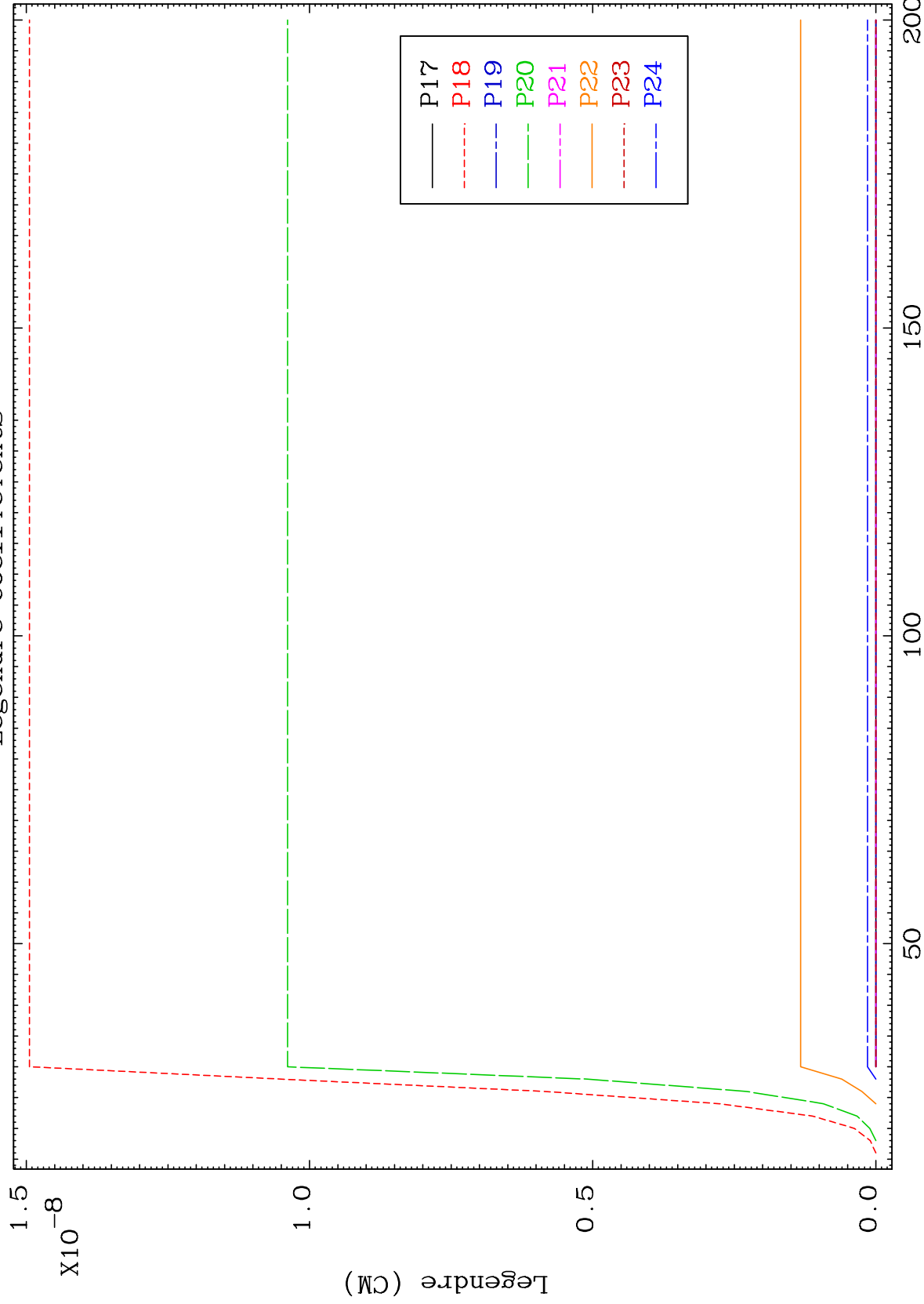
99

Incident Energy (MeV)

39-Y -87

MAT 3919 MT= 77 (n,n') Level Legendre Coefficients

39-Y -87



39-Y -87

Incident Energy (MeV)

100

50

100

150

200

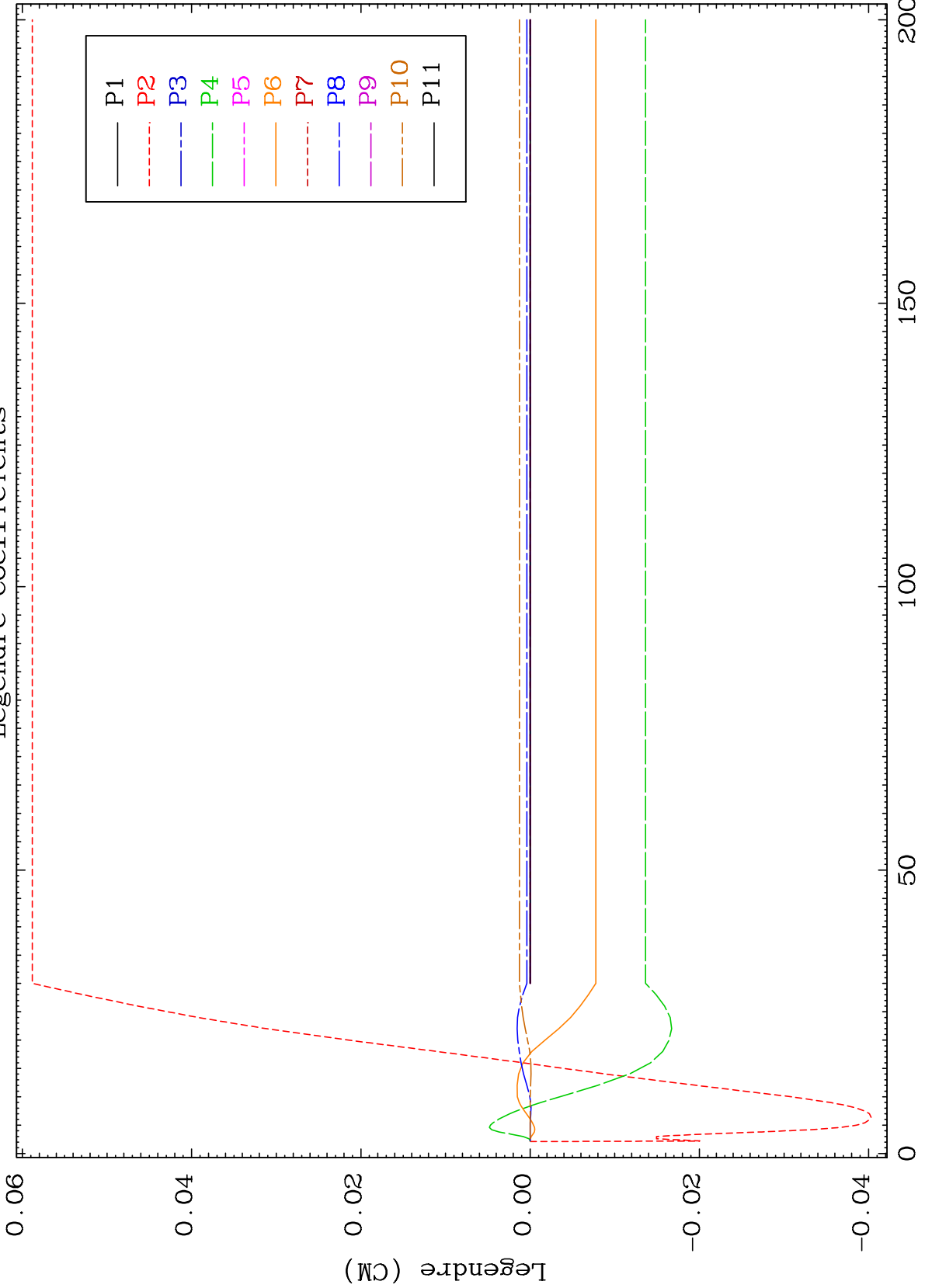
MAT 3919 MT= 78 (n,n') Level Legendre Coefficients

39-Y -87

39-Y -87

Incident Energy (MeV)

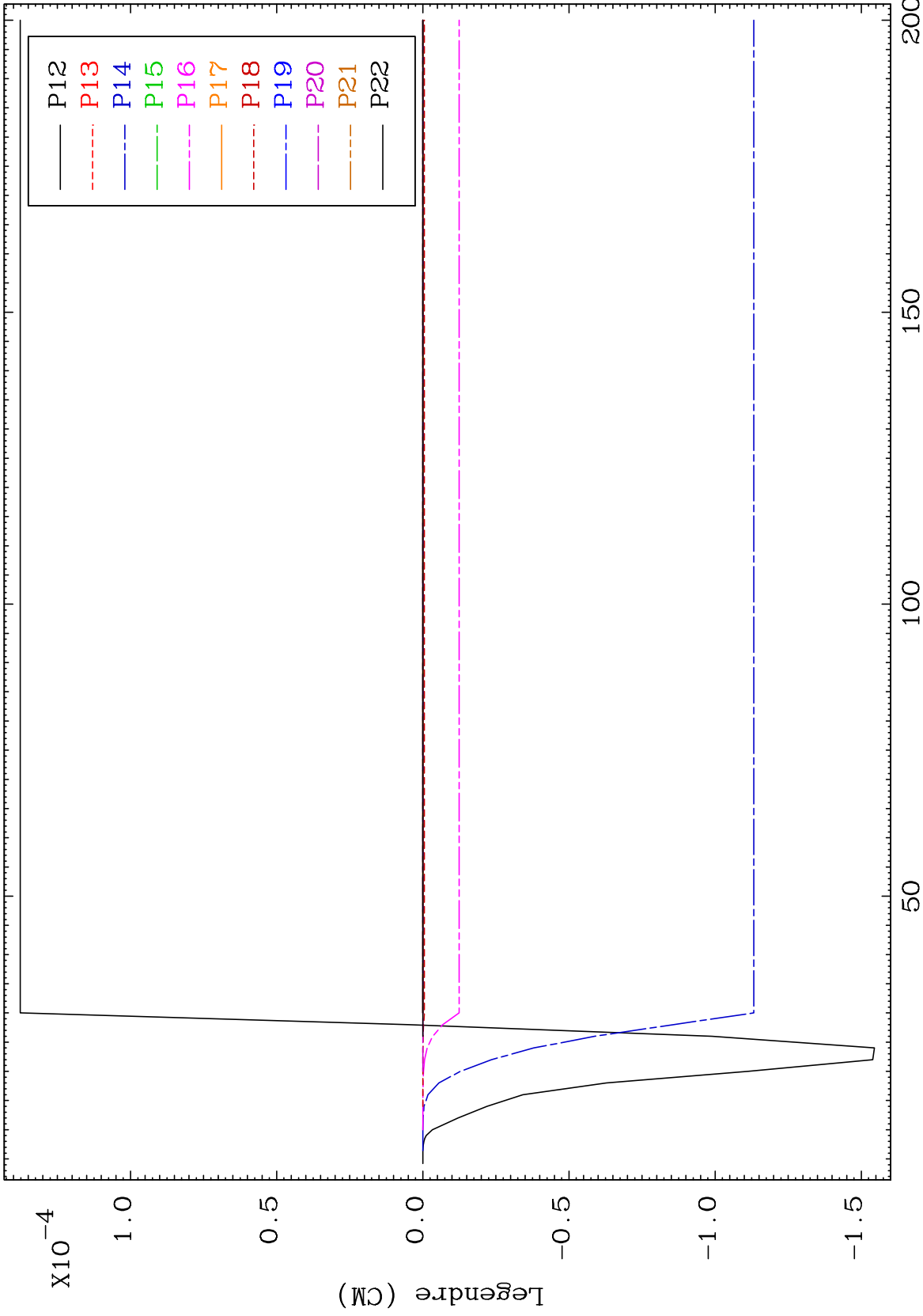
101



MAT 3919

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

39-Y -87

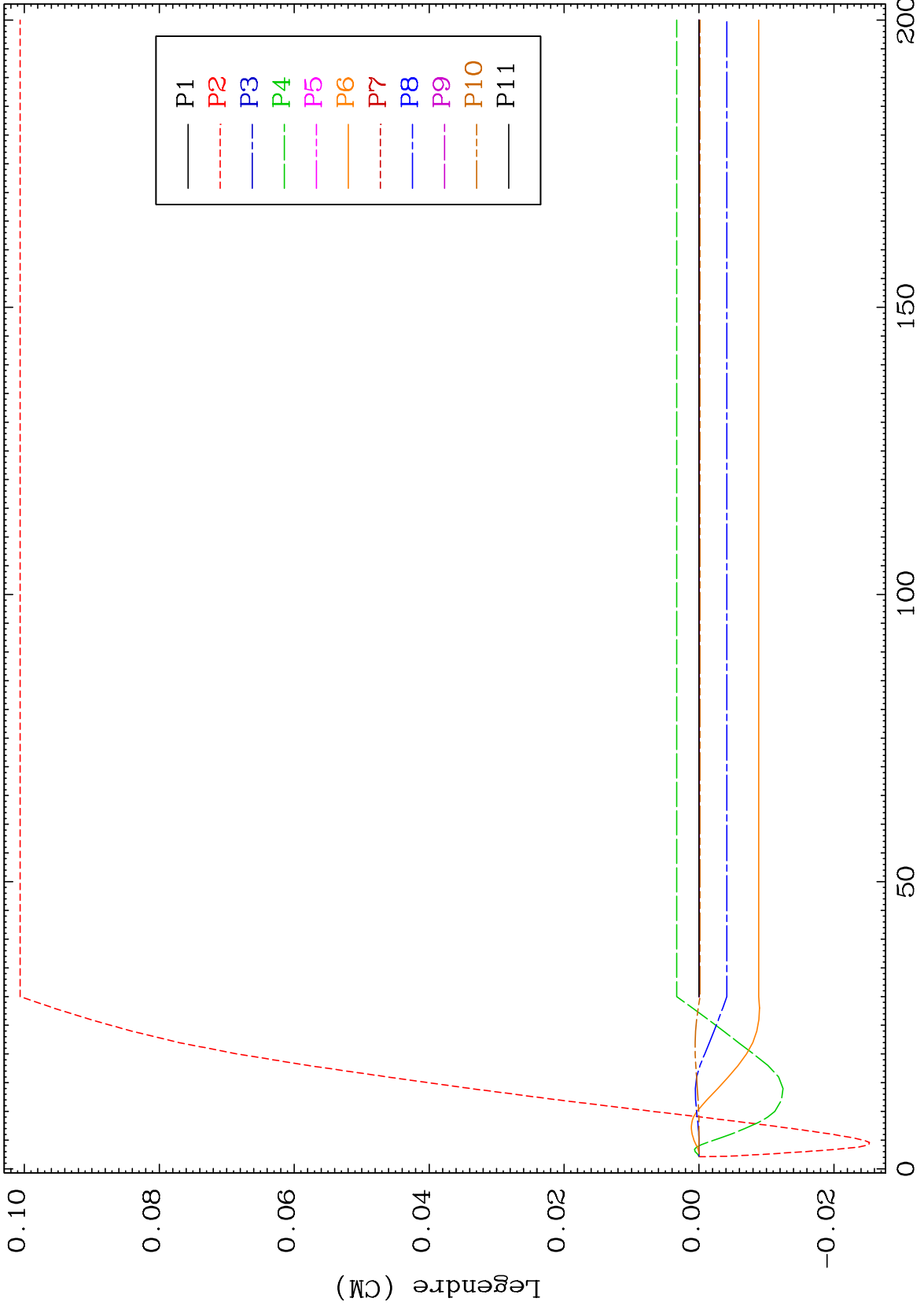


102

Incident Energy (MeV)

39-Y -87

MAT 3919 MT= 79 (n,n') Level Legendre Coefficients 39-Y -87



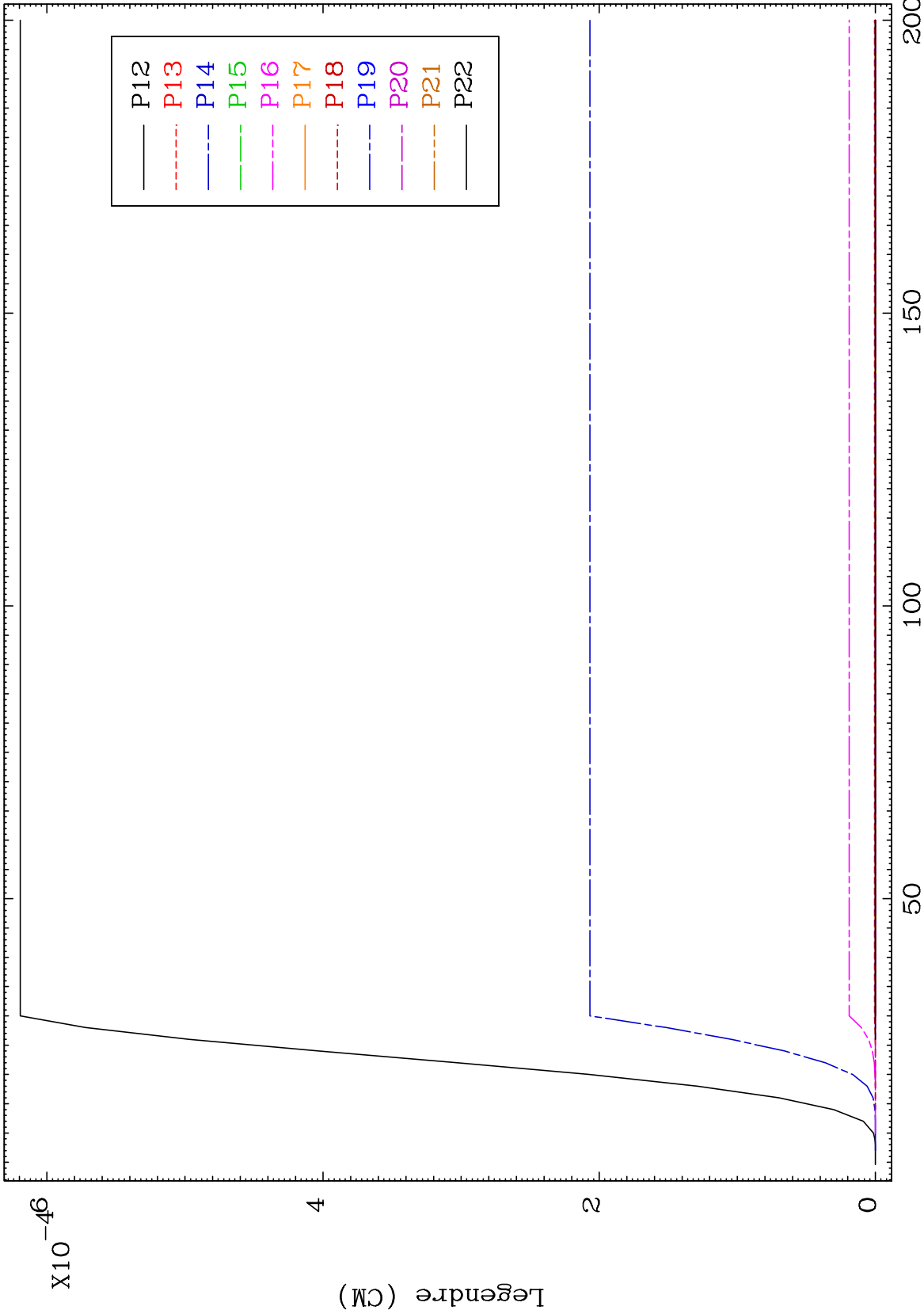
103 39-Y -87



MAT 3919

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

39-Y -87

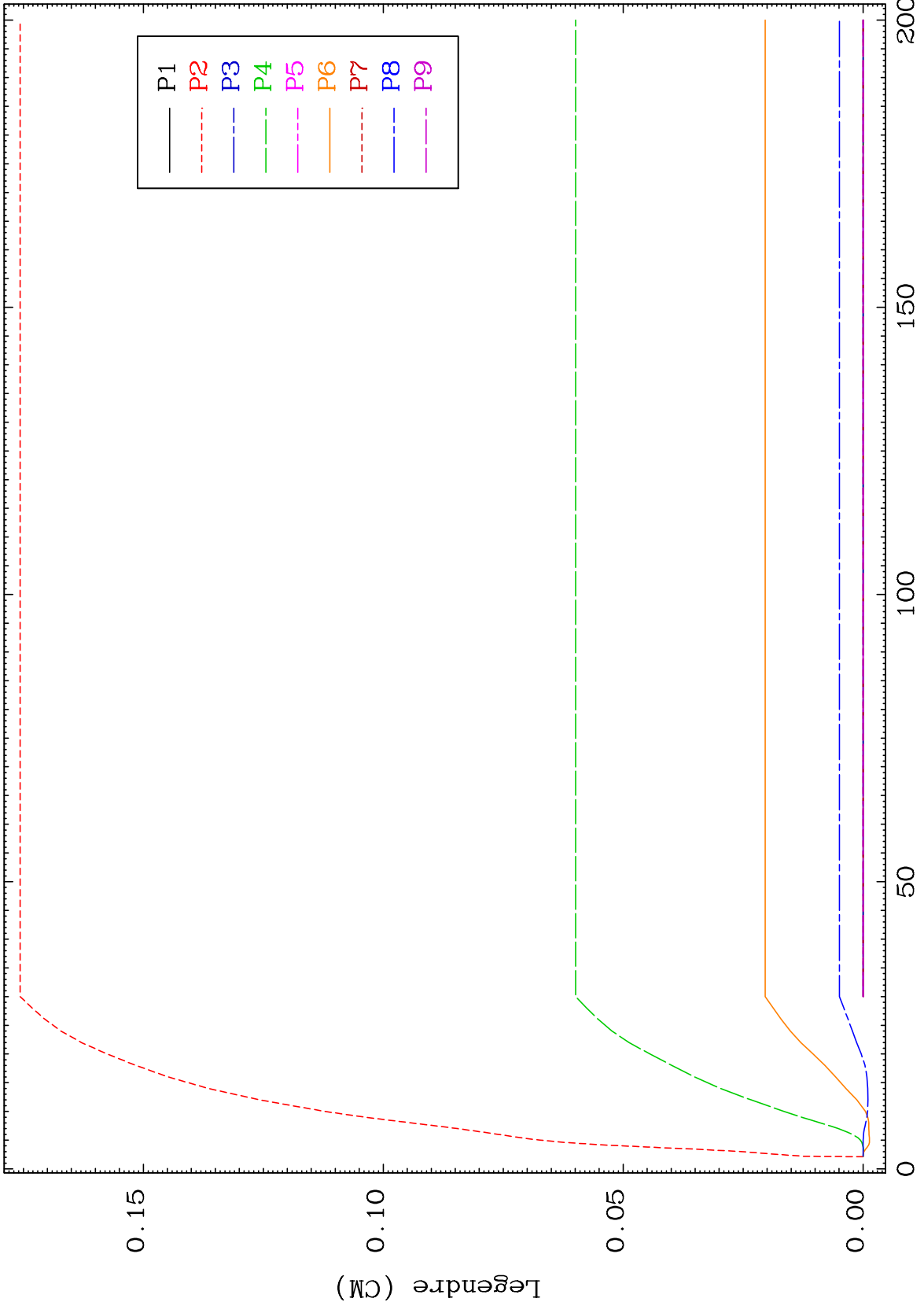


104

Incident Energy (MeV)

39-Y -87

MAT 3919 MT= 80 (n,n') Level Legendre Coefficients 39-Y -87

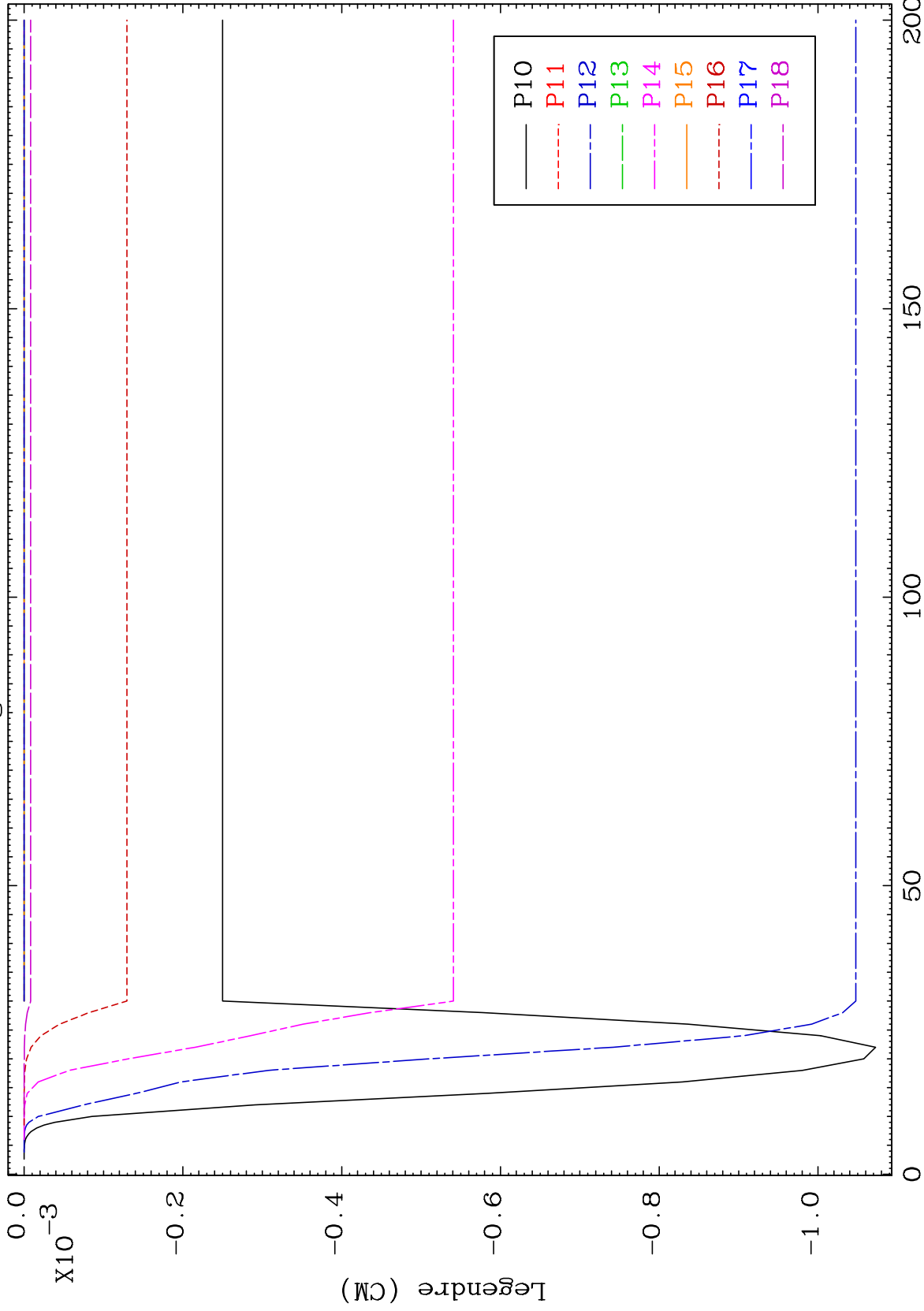


Incident Energy (MeV) 39-Y -87

MAT 3919

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

39-Y -87

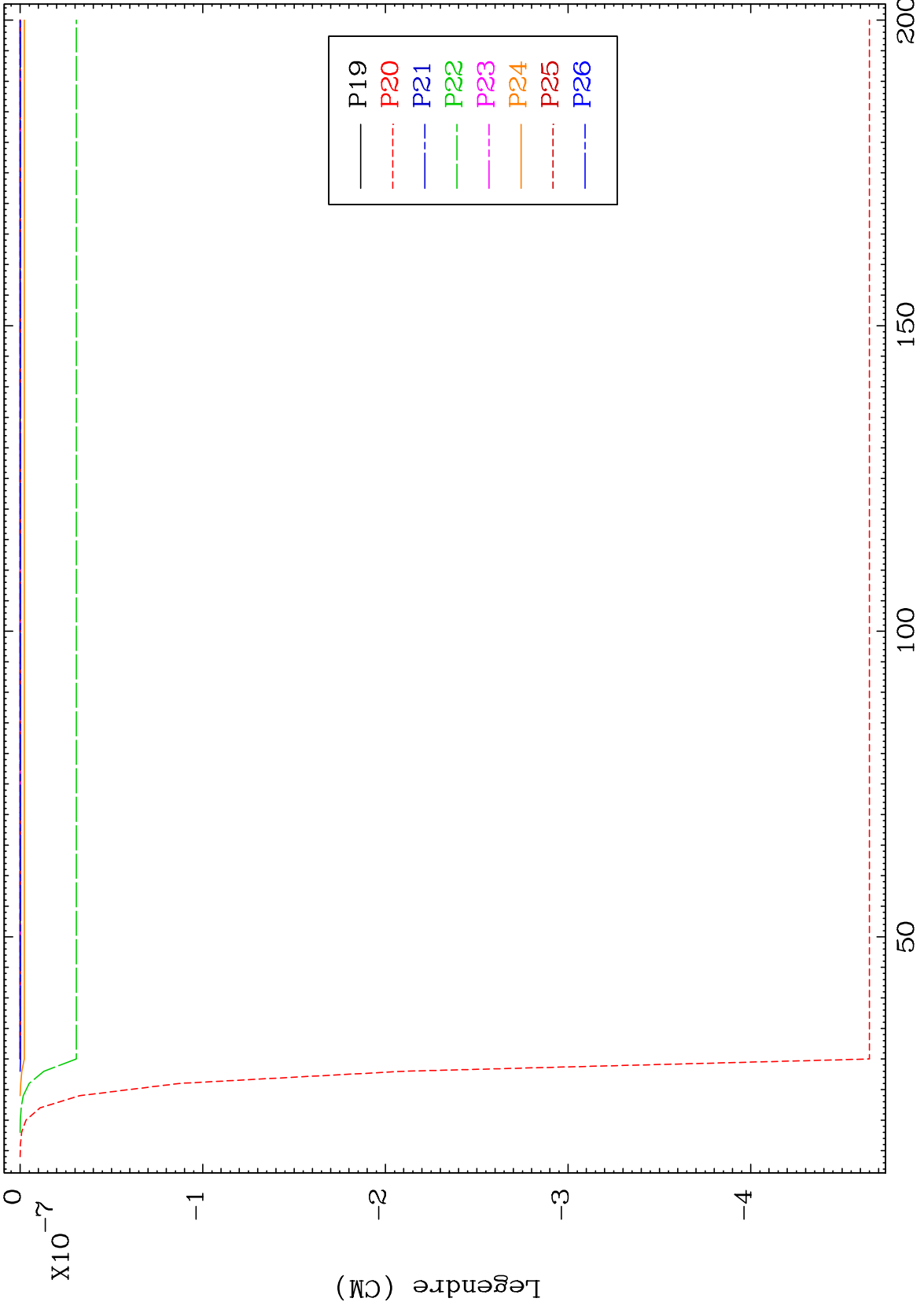


106

Incident Energy (MeV)

39-Y -87

MAT 3919 MT= 80 (n,n') Level Legendre Coefficients 39-Y -87

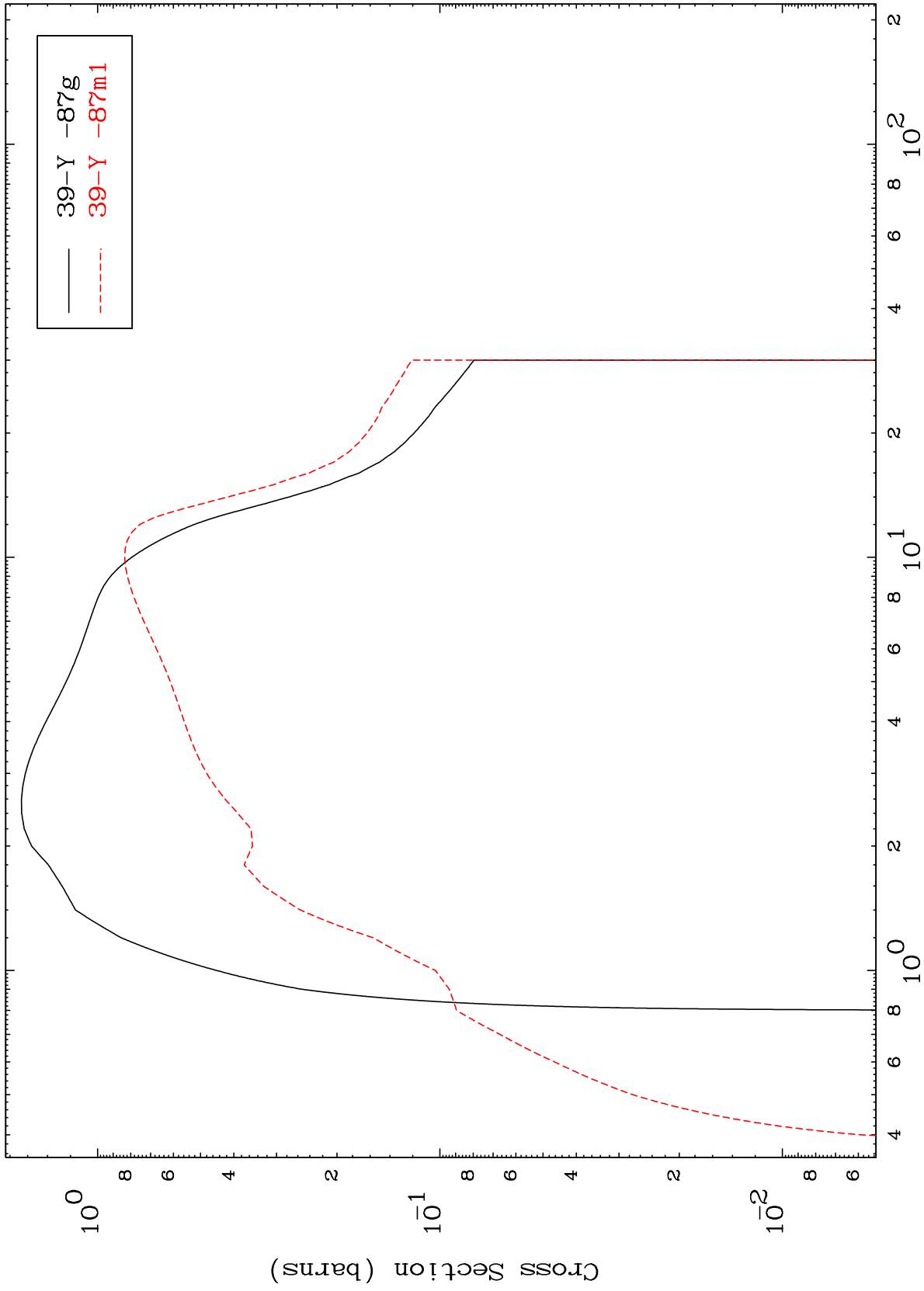


107 39-Y -87

MAT 3919

39-Y -87

# Inelastic Radionuclide Production Cross Section



108

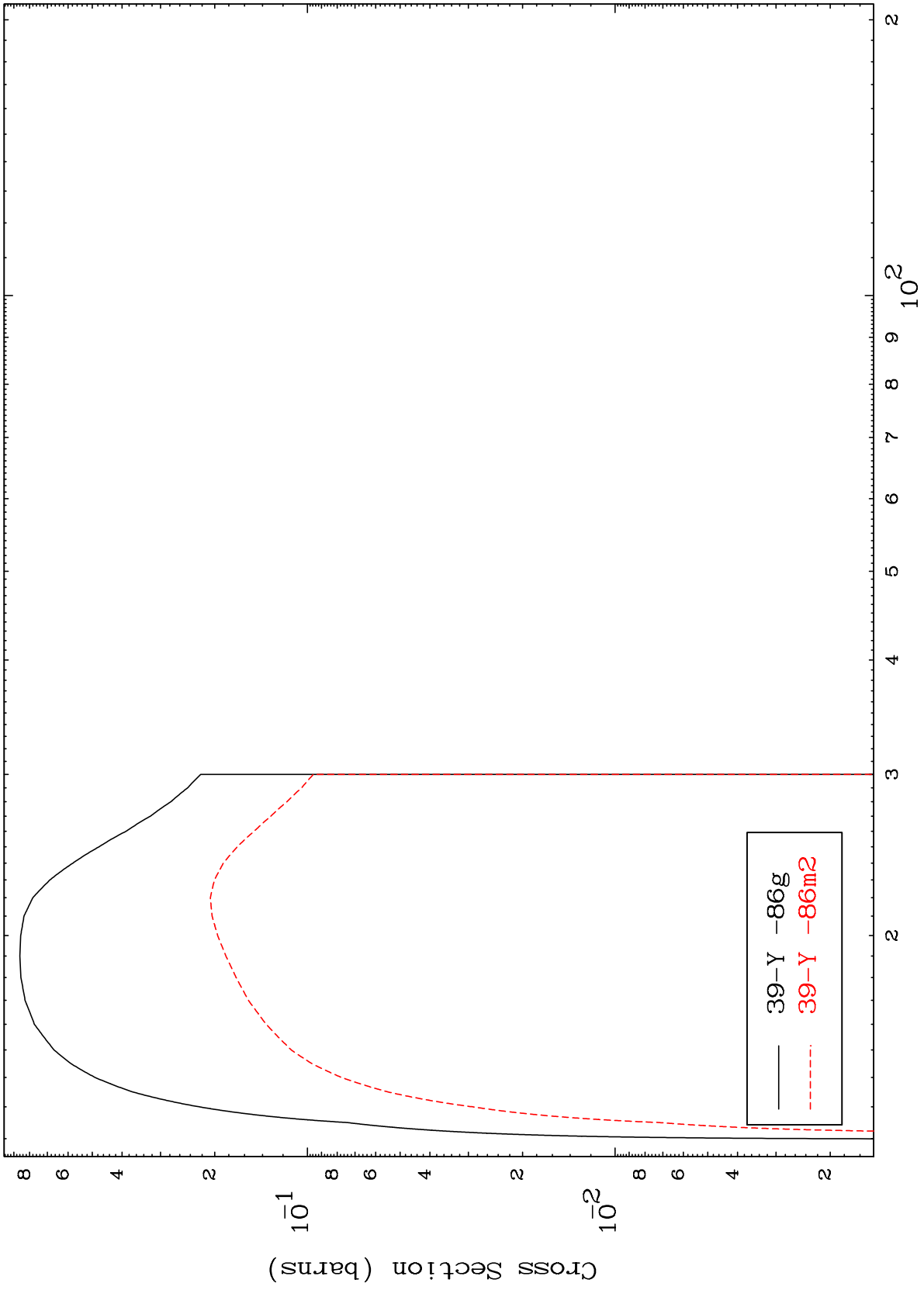
Incident Energy (MeV)

39-Y -87

MAT 3919

39-Y -87

Radionuclide Production Cross Section  
(n,2n)



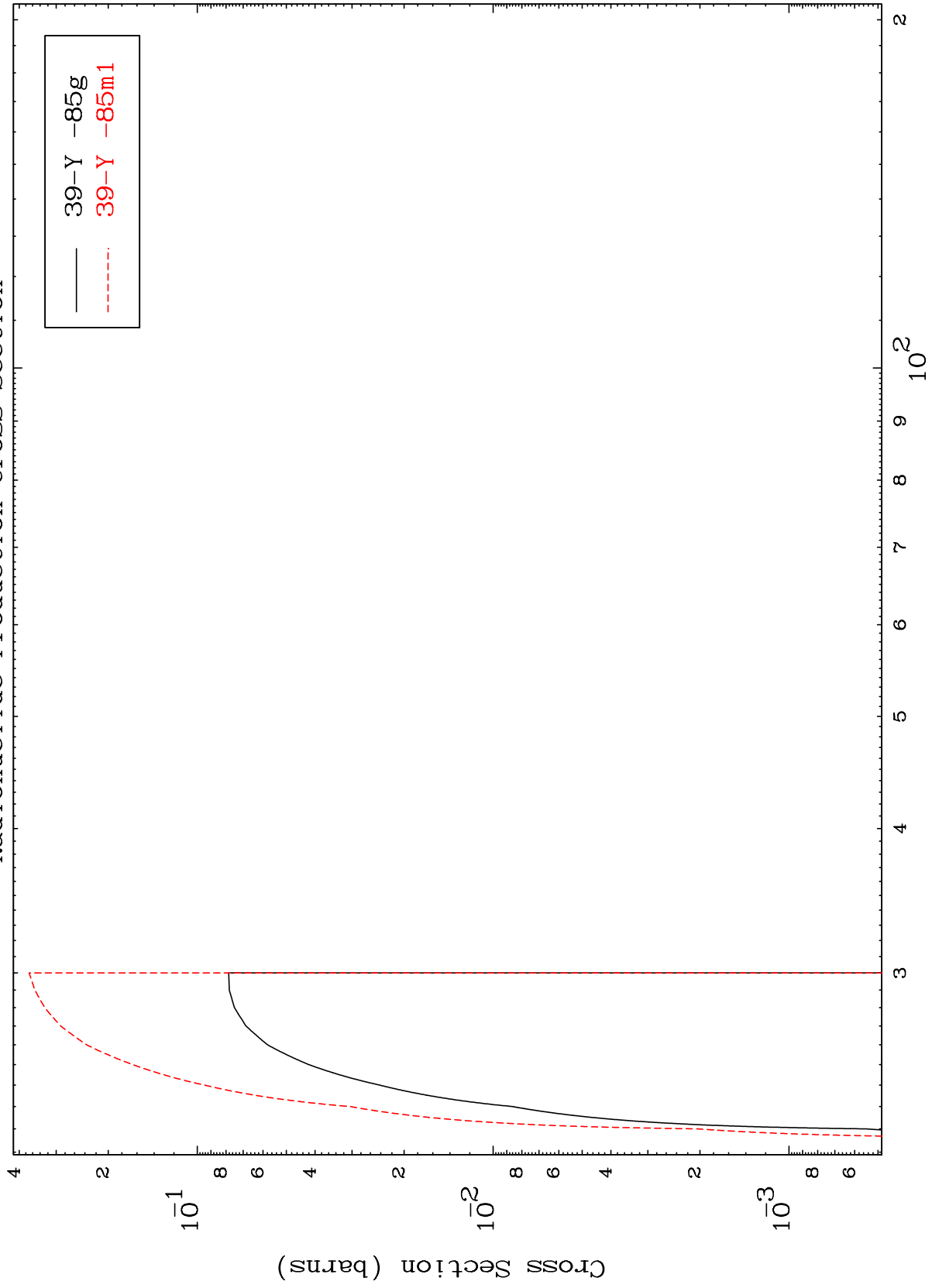
109

39-Y -87

MAT 3919

39-Y -87

(n,3n)  
Radionuclide Production Cross Section



110

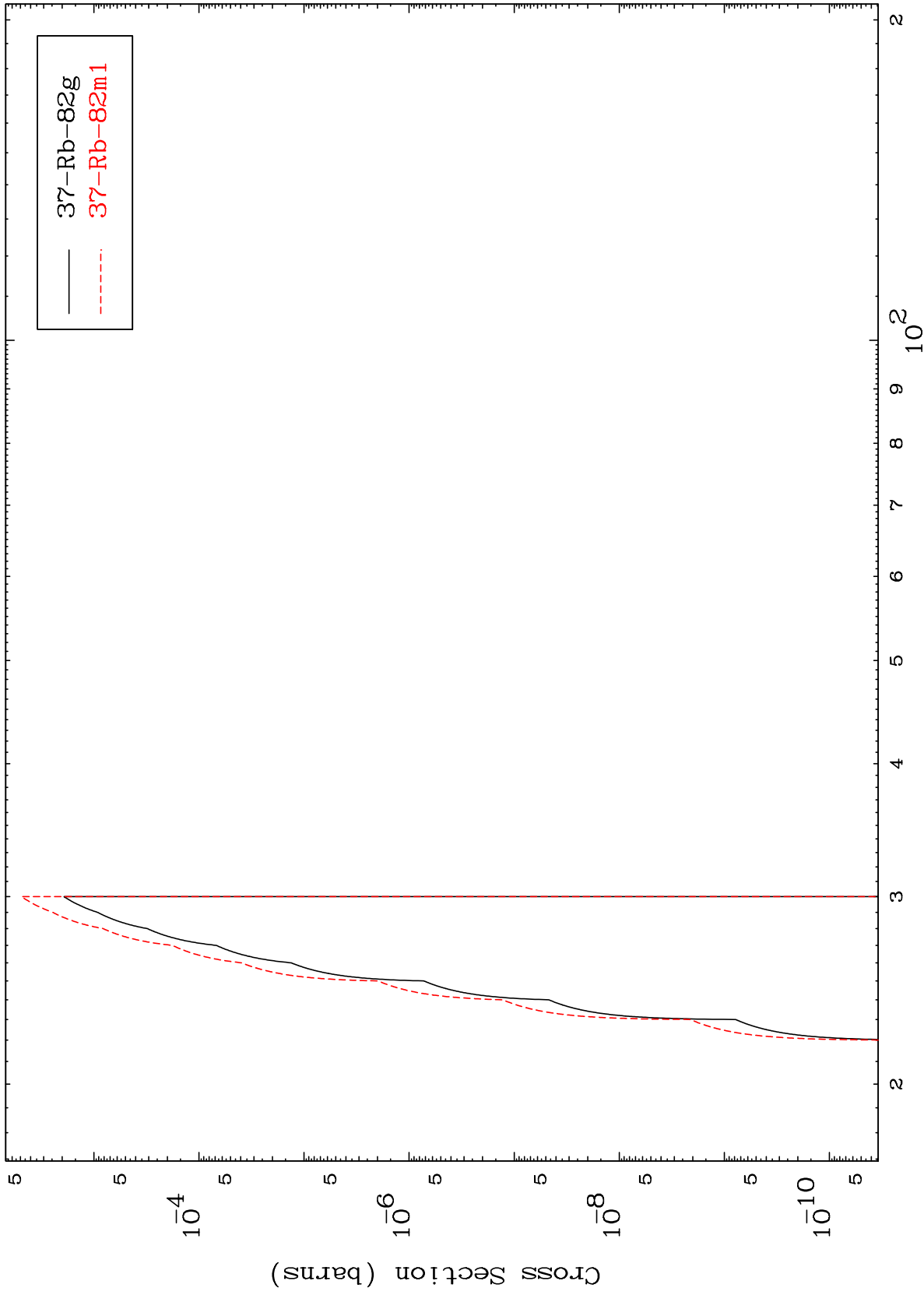
39-Y -87

MAT 3919

(n,2n)  $\alpha$

39-Y -87

Radionuclide Production Cross Section



111

Incident Energy (MeV)

39-Y -87

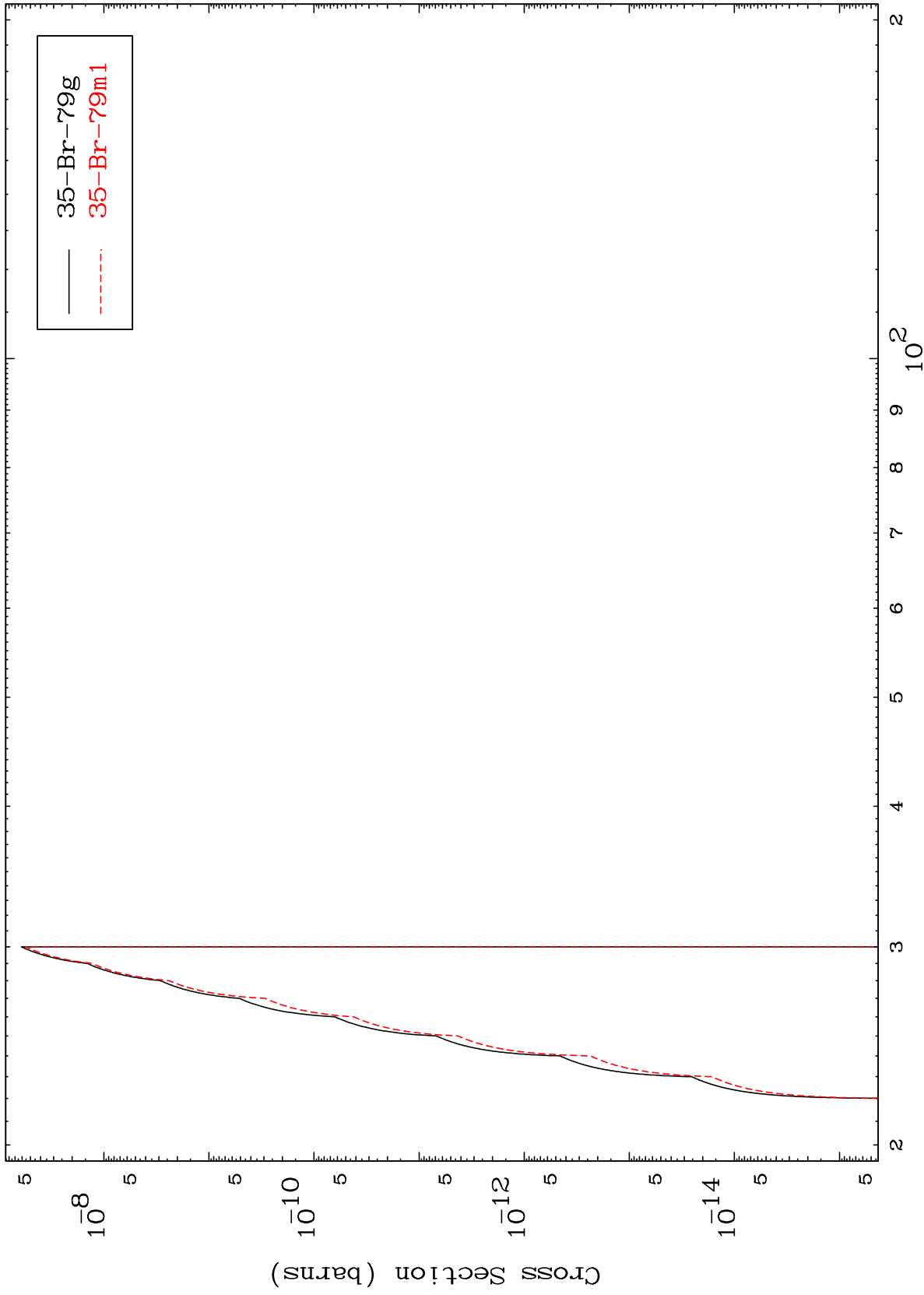


MAT 3919

(n,n') 2 $\alpha$

39-Y -87

Radionuclide Production Cross Section



112

Incident Energy (MeV)

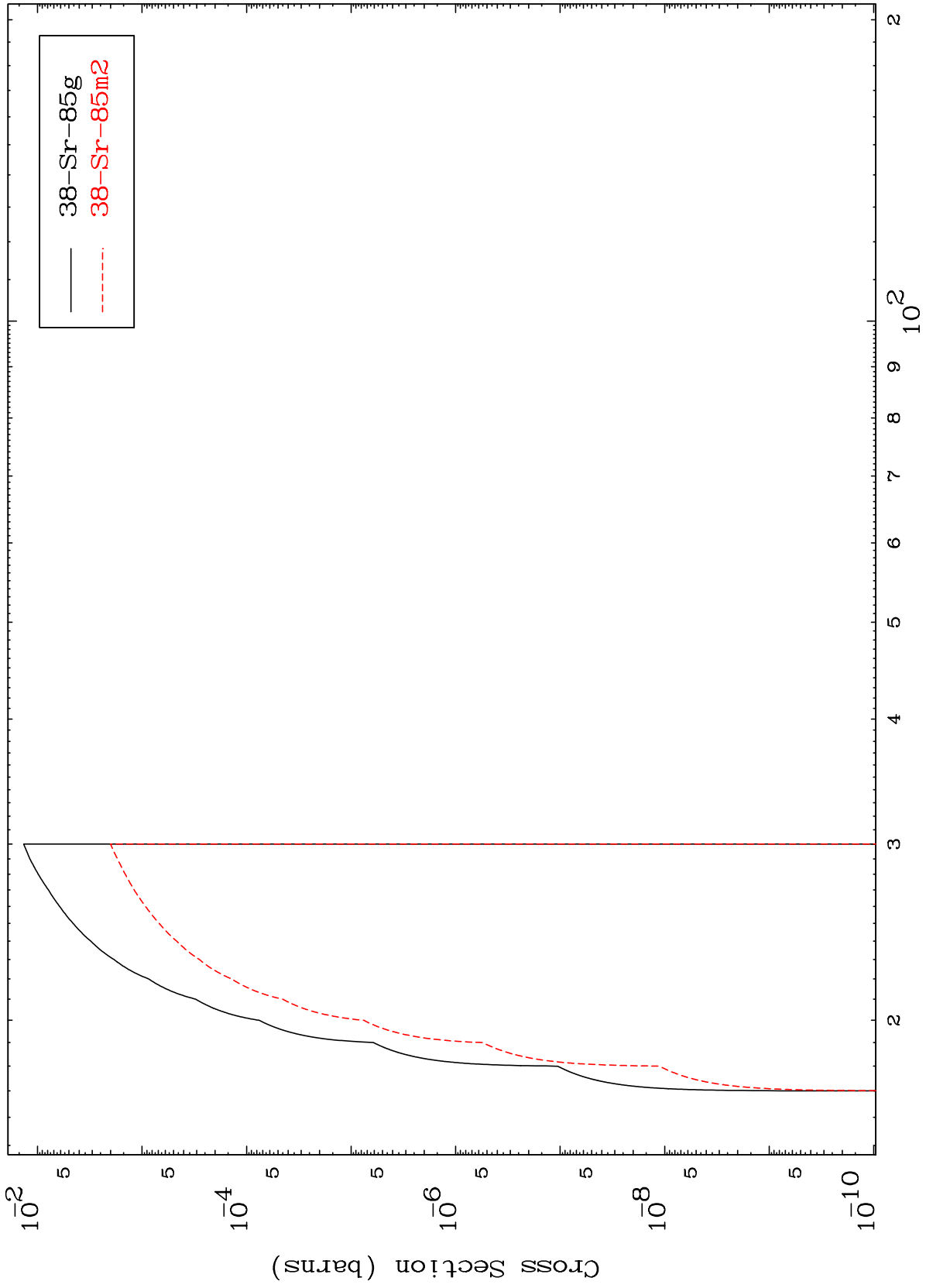
39-Y -87

MAT 3919

(n,n') d

39-Y -87

Radionuclide Production Cross Section



113

Incident Energy (MeV)

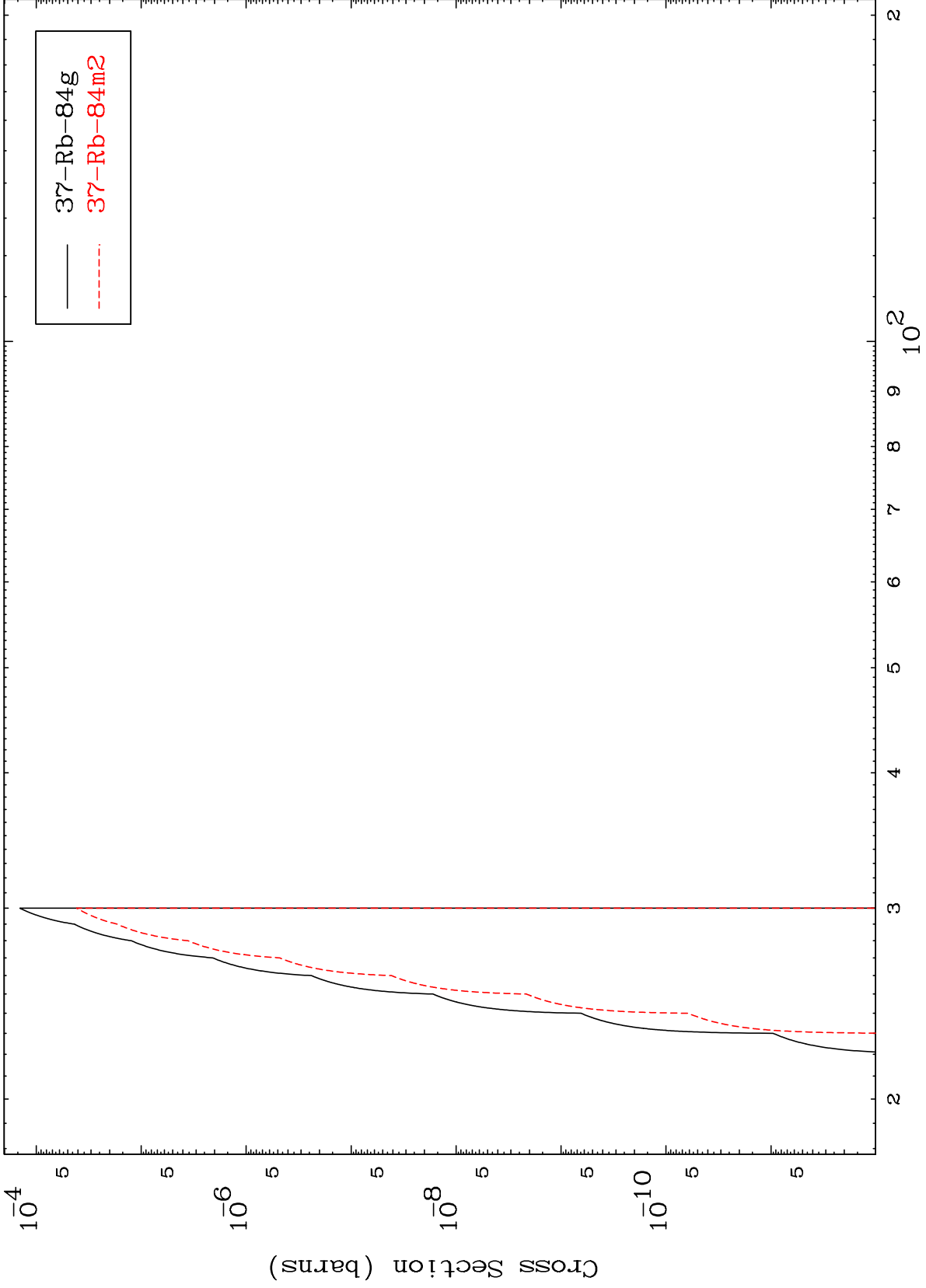
39-Y -87

MAT 3919

(n,n') He-3

39-Y -87

Radionuclide Production Cross Section

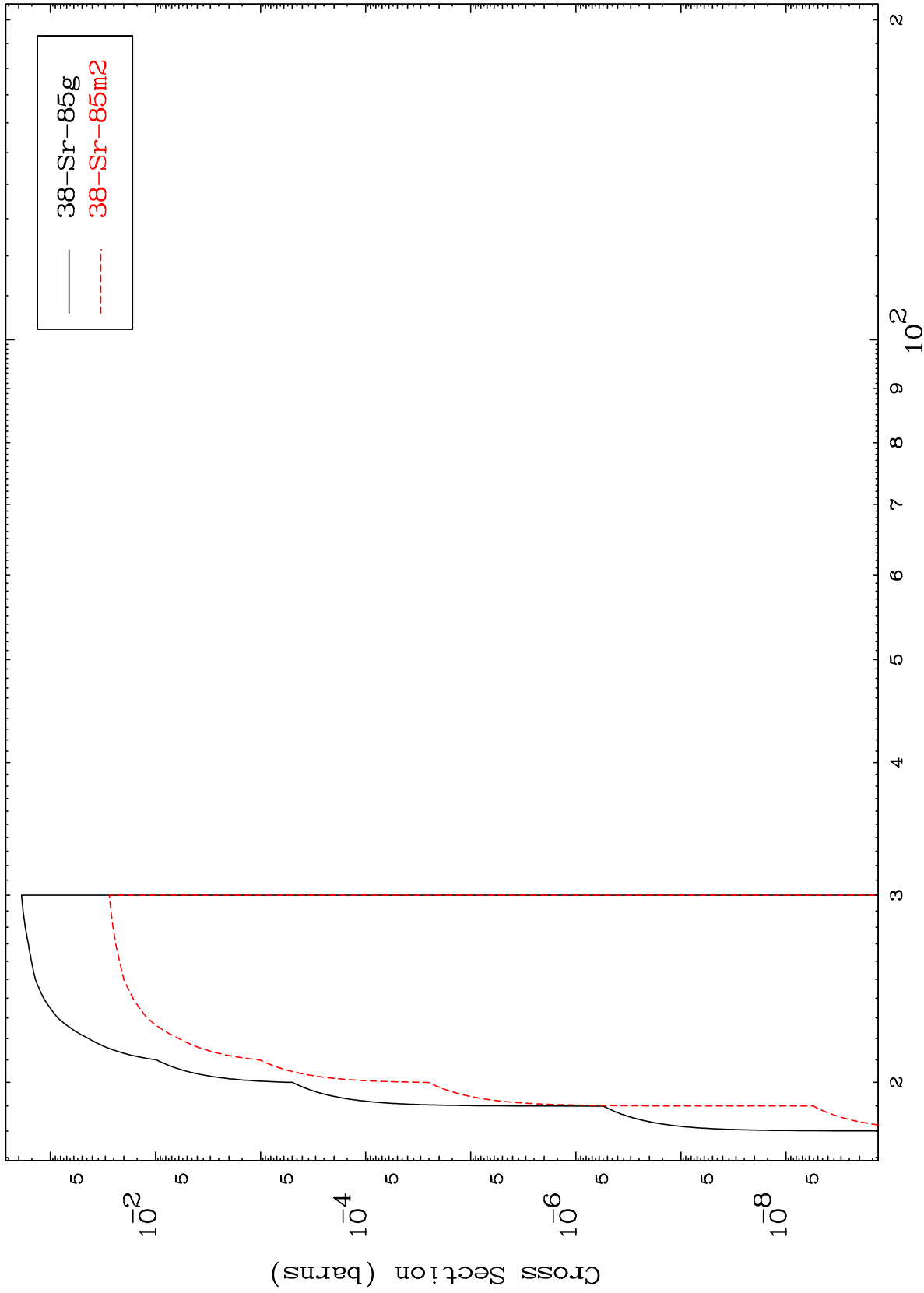


114

Incident Energy (MeV)

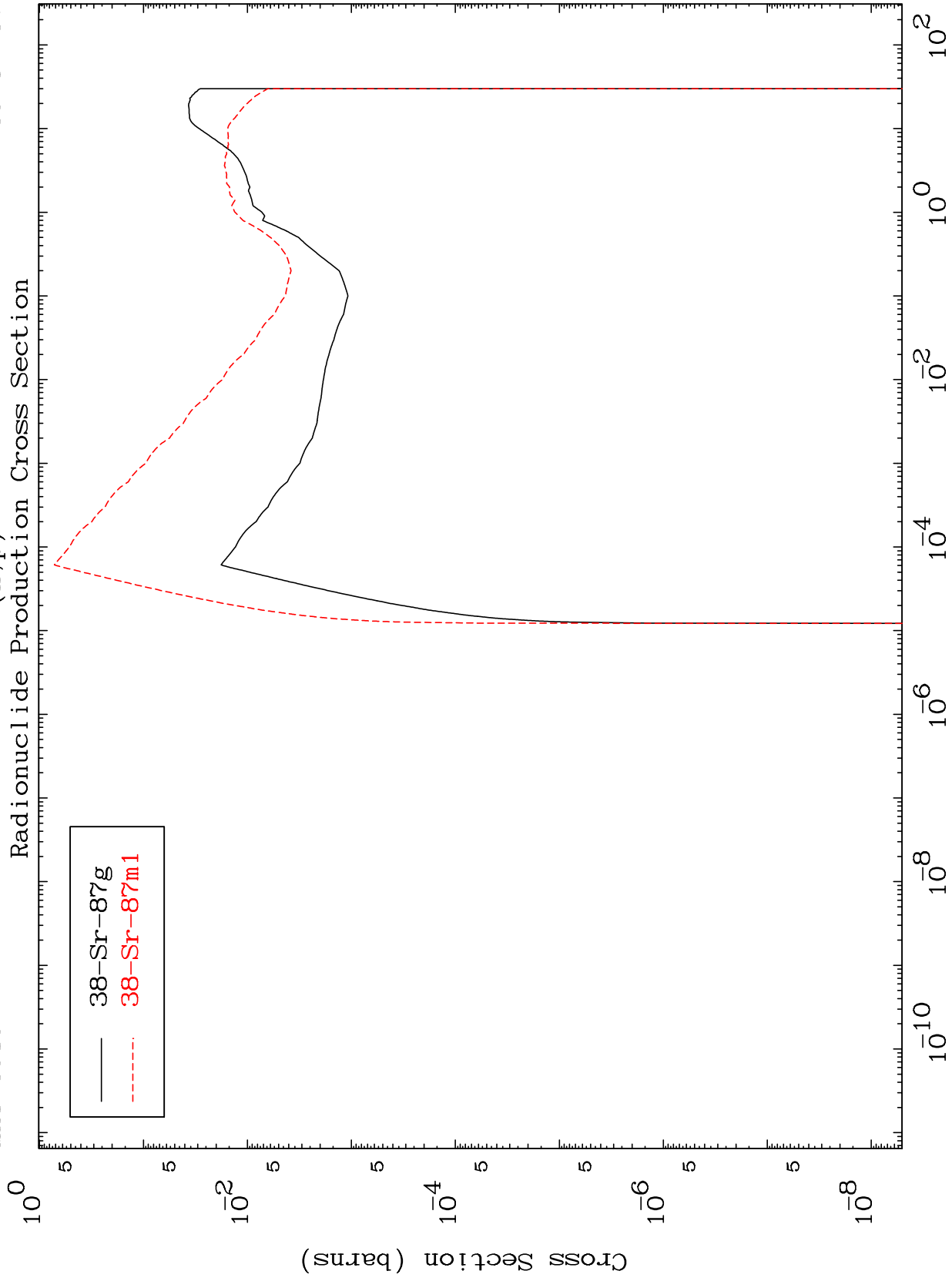
39-Y -87

(n,2n) p  
Radionuclide Production Cross Section



MAT 3919

39-Y -87



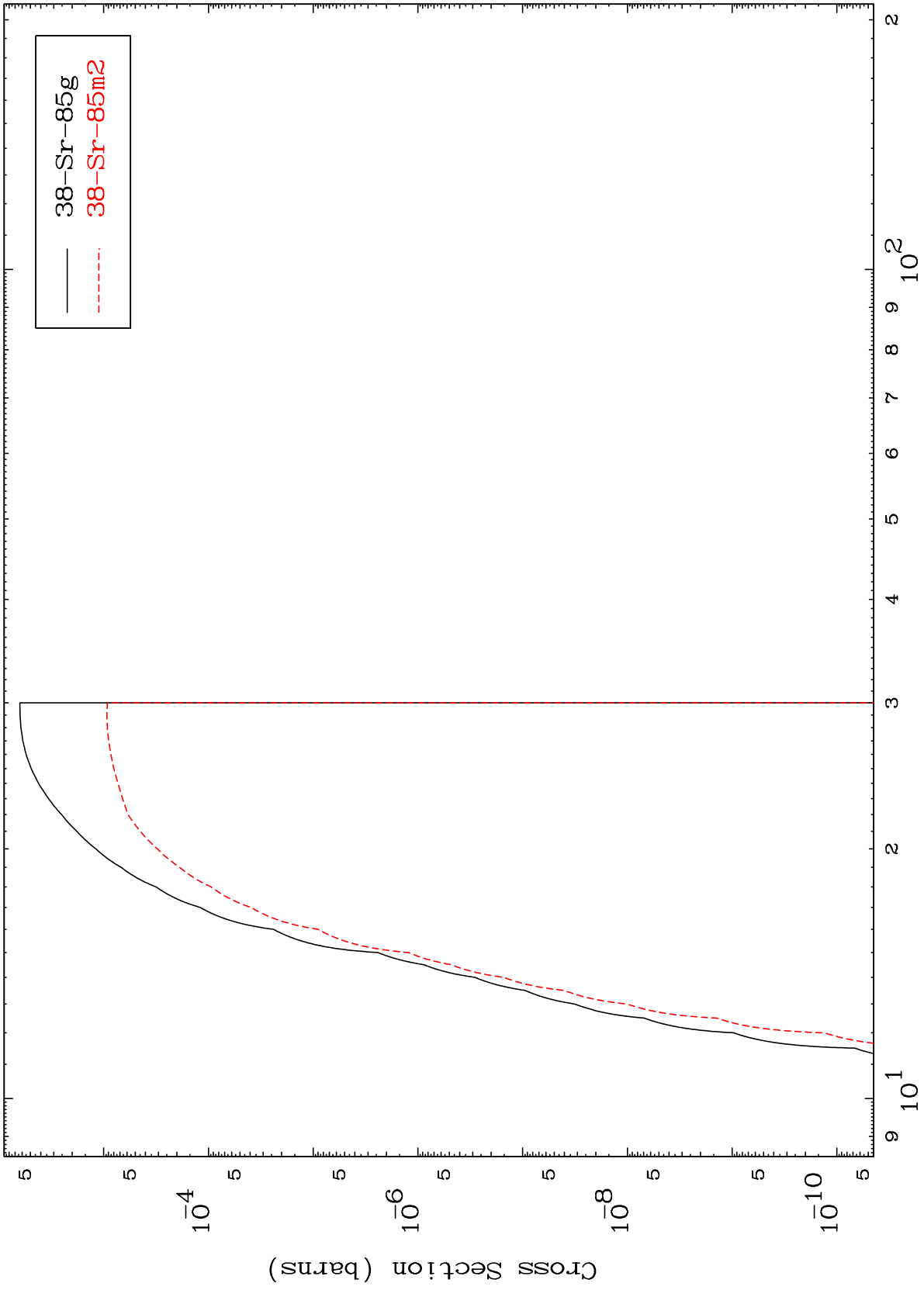
116

39-Y -87

MAT 3919

39-Y -87

(n,t)  
Radionuclide Production Cross Section



117

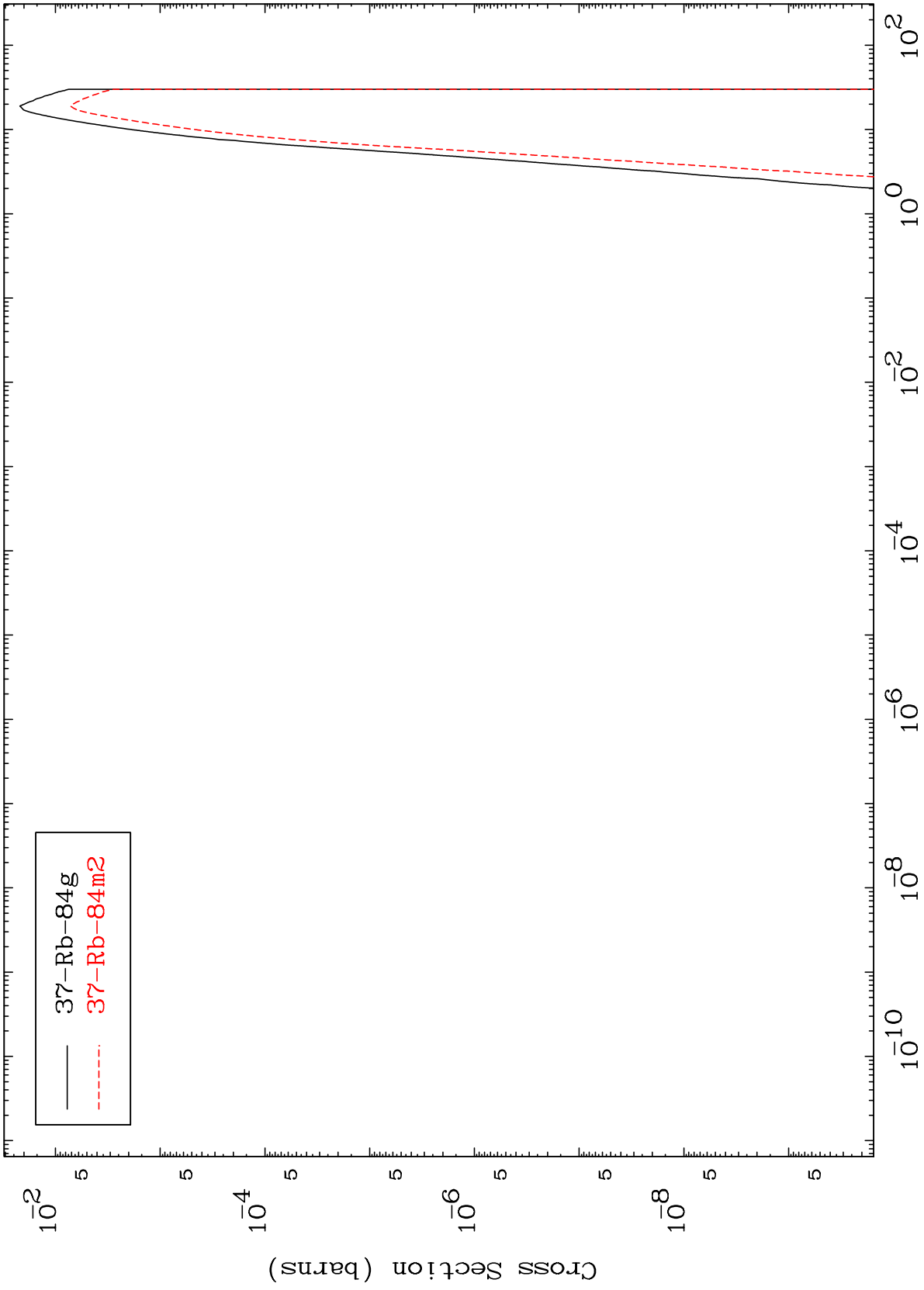
Incident Energy (MeV)

39-Y -87

MAT 3919

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

39-Y -87



— 37-Rb-84g  
- - - 37-Rb-84m2

118

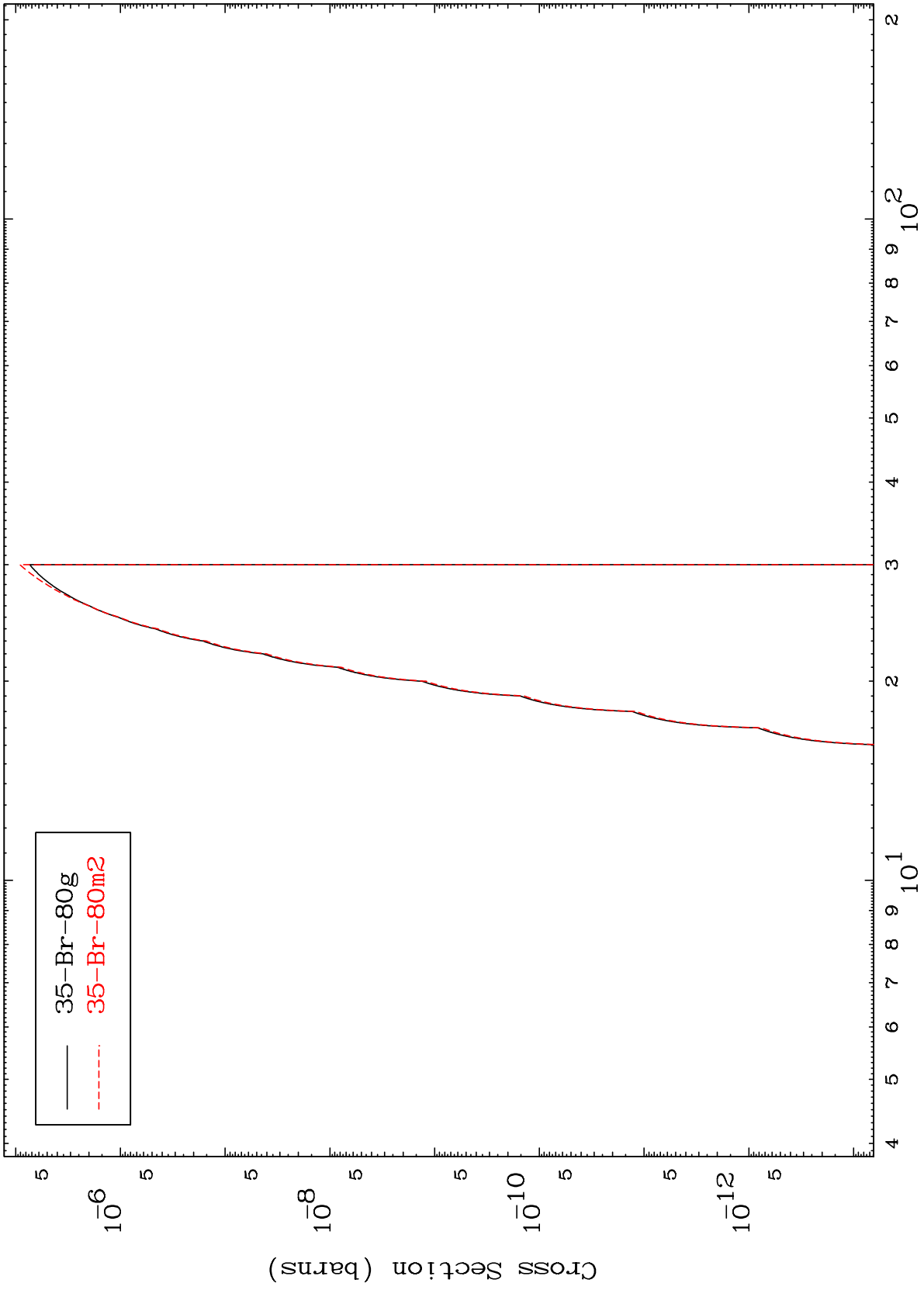
Incident Energy (MeV)

39-Y -87

MAT 3919

39-Y -87

Radionuclide Production Cross Section  
(n,2α)



119

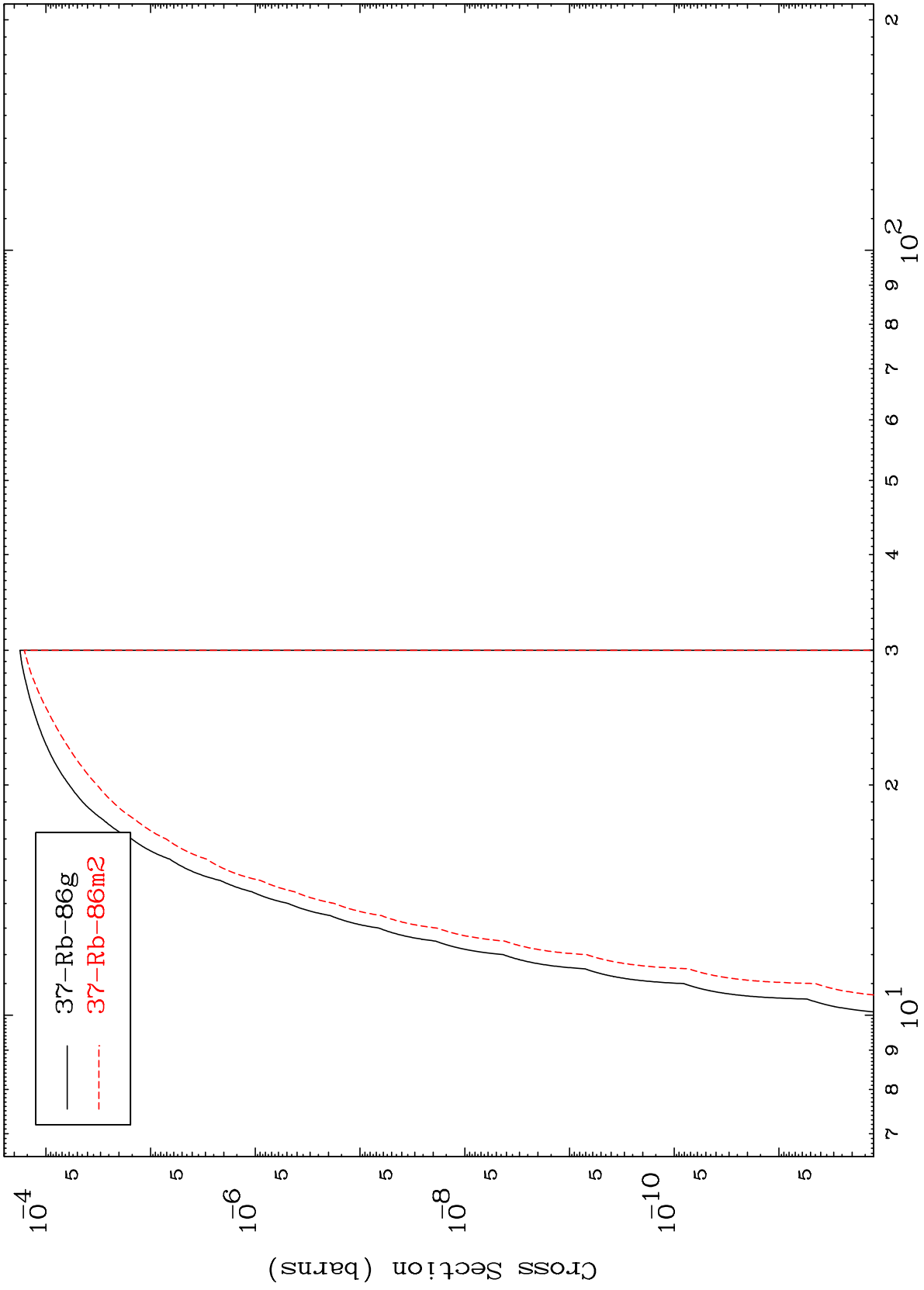
39-Y -87



MAT 3919

39-Y -87

Radionuclide Production Cross Section  
(n,2p)



120

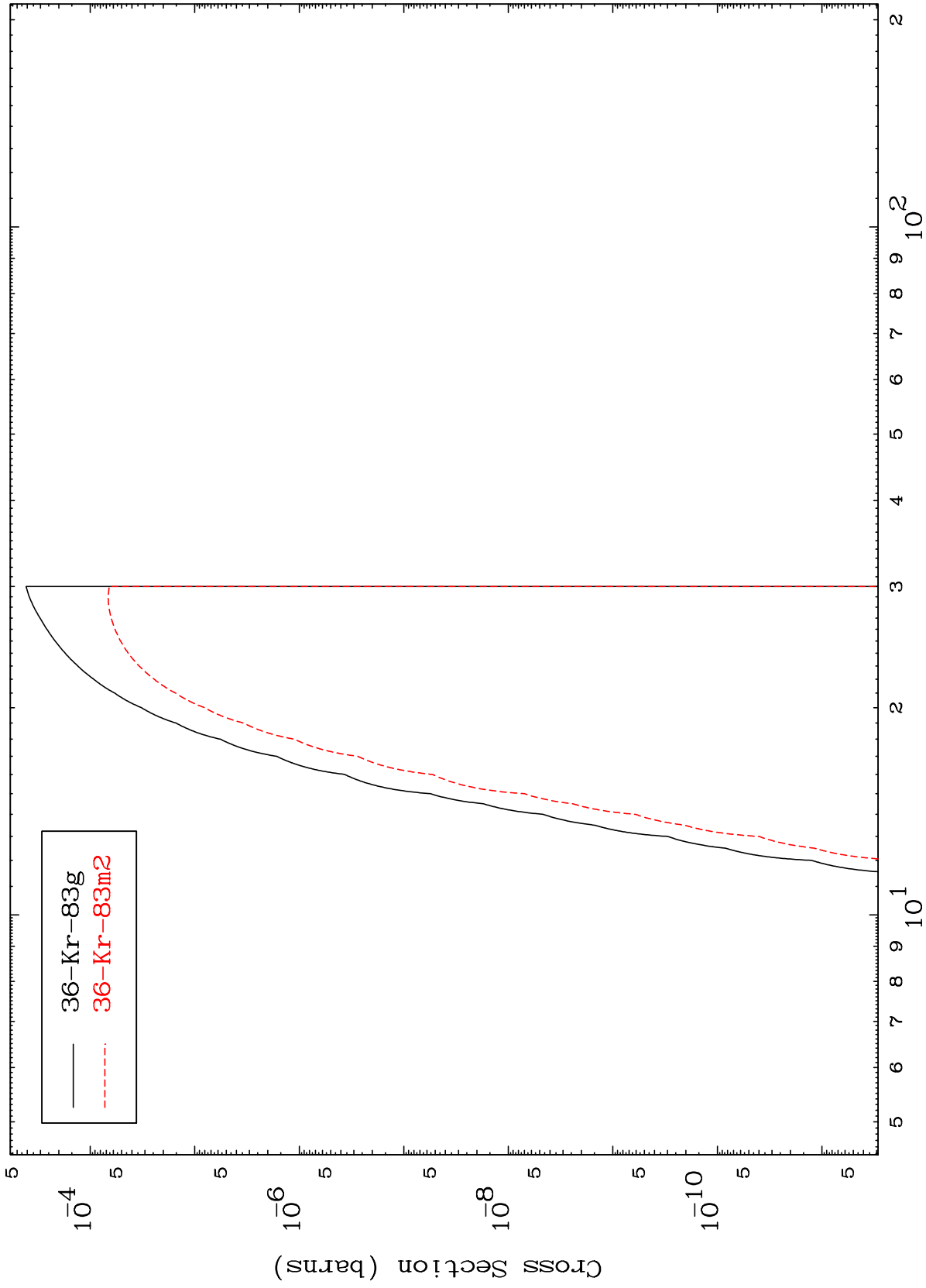
39-Y -87

MAT 3919

(n,p)  $\alpha$

39-Y -87

Radionuclide Production Cross Section



121

Incident Energy (MeV)

39-Y -87

Radionuclide Production Cross Section

