

Program EVALPLOT
(Version 2018-1)

by

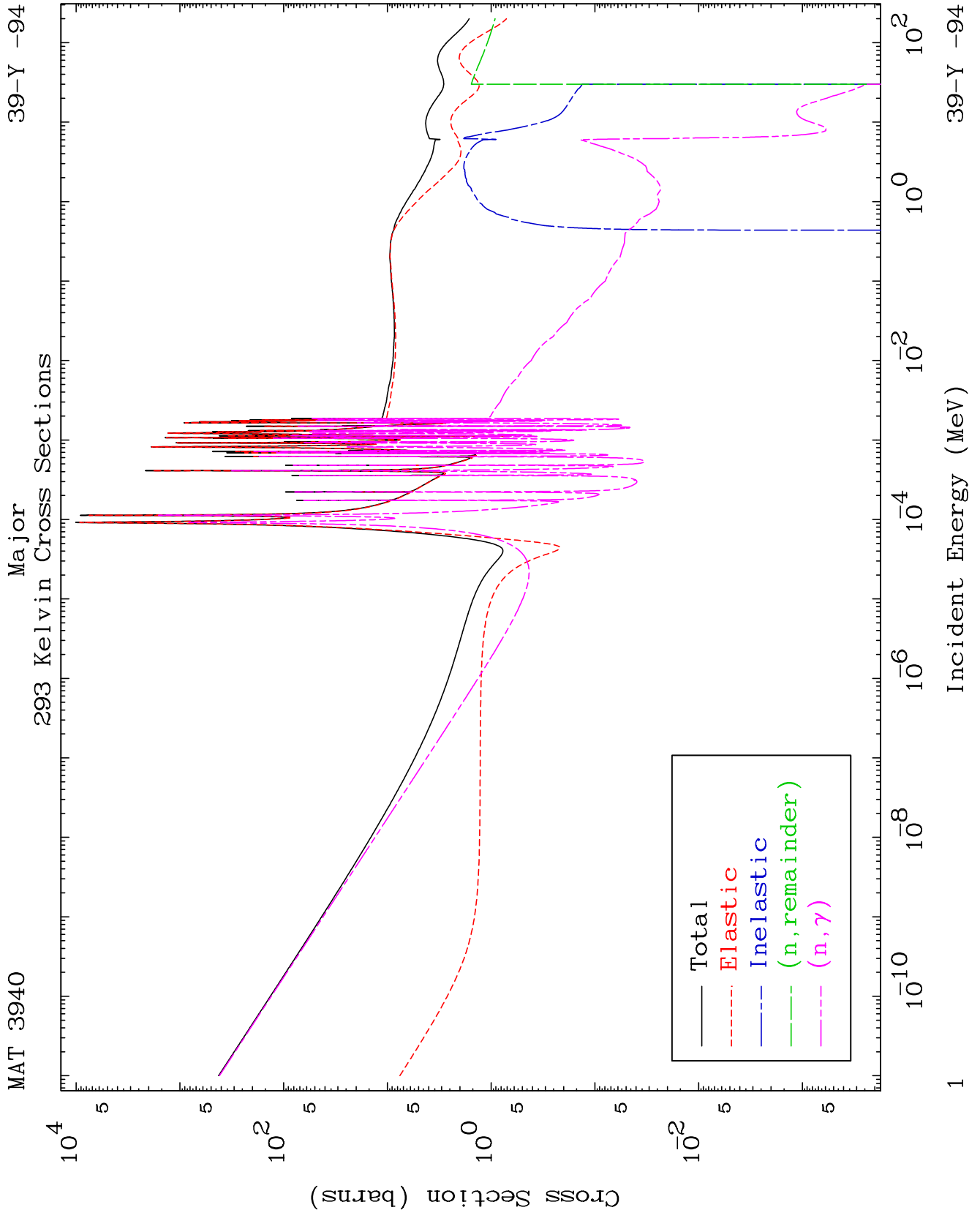
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(Present Contact Information)

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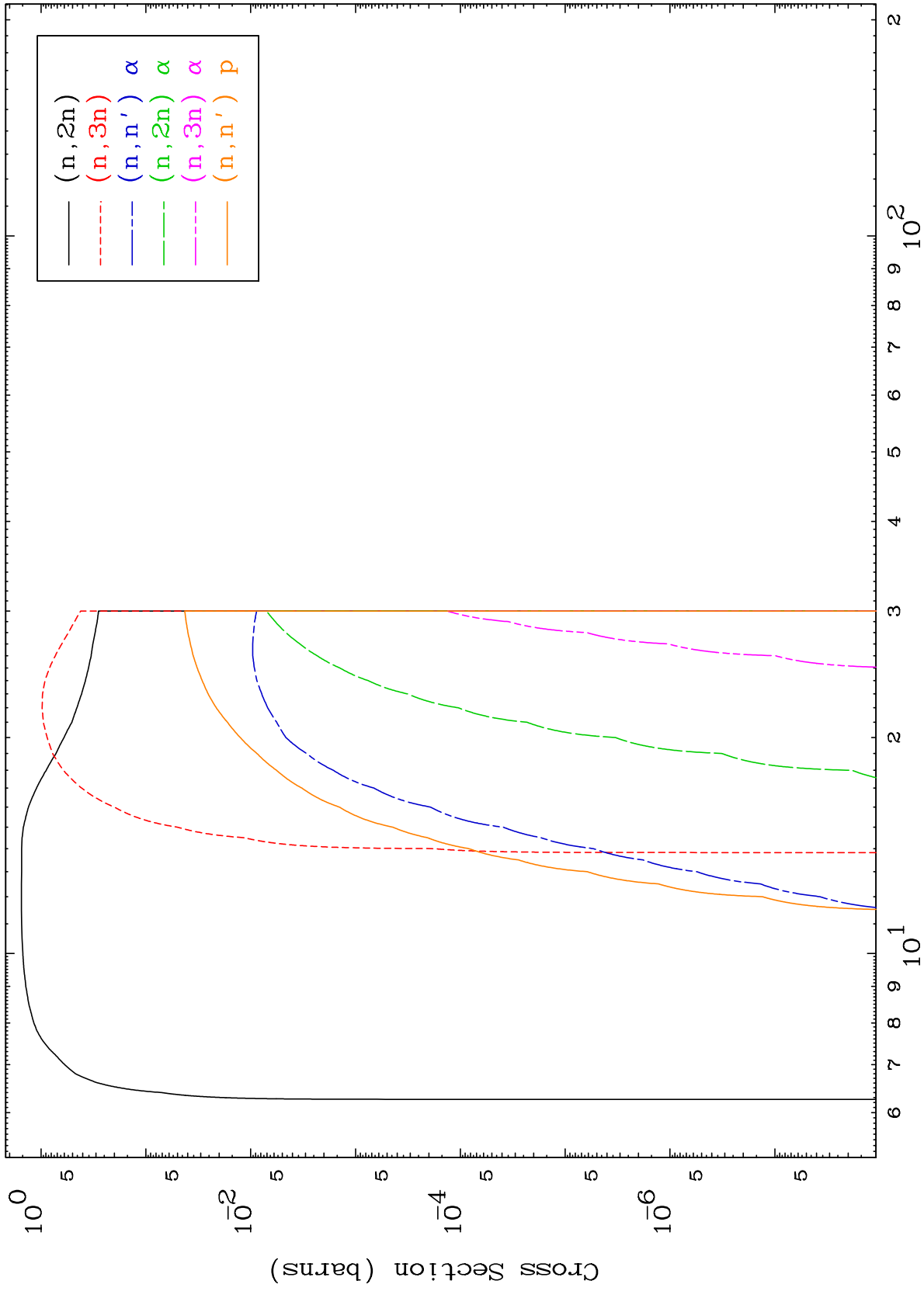
Press Mouse Button to Start



MAT 3940

Neutron Production 293 Kelvin Cross Sections

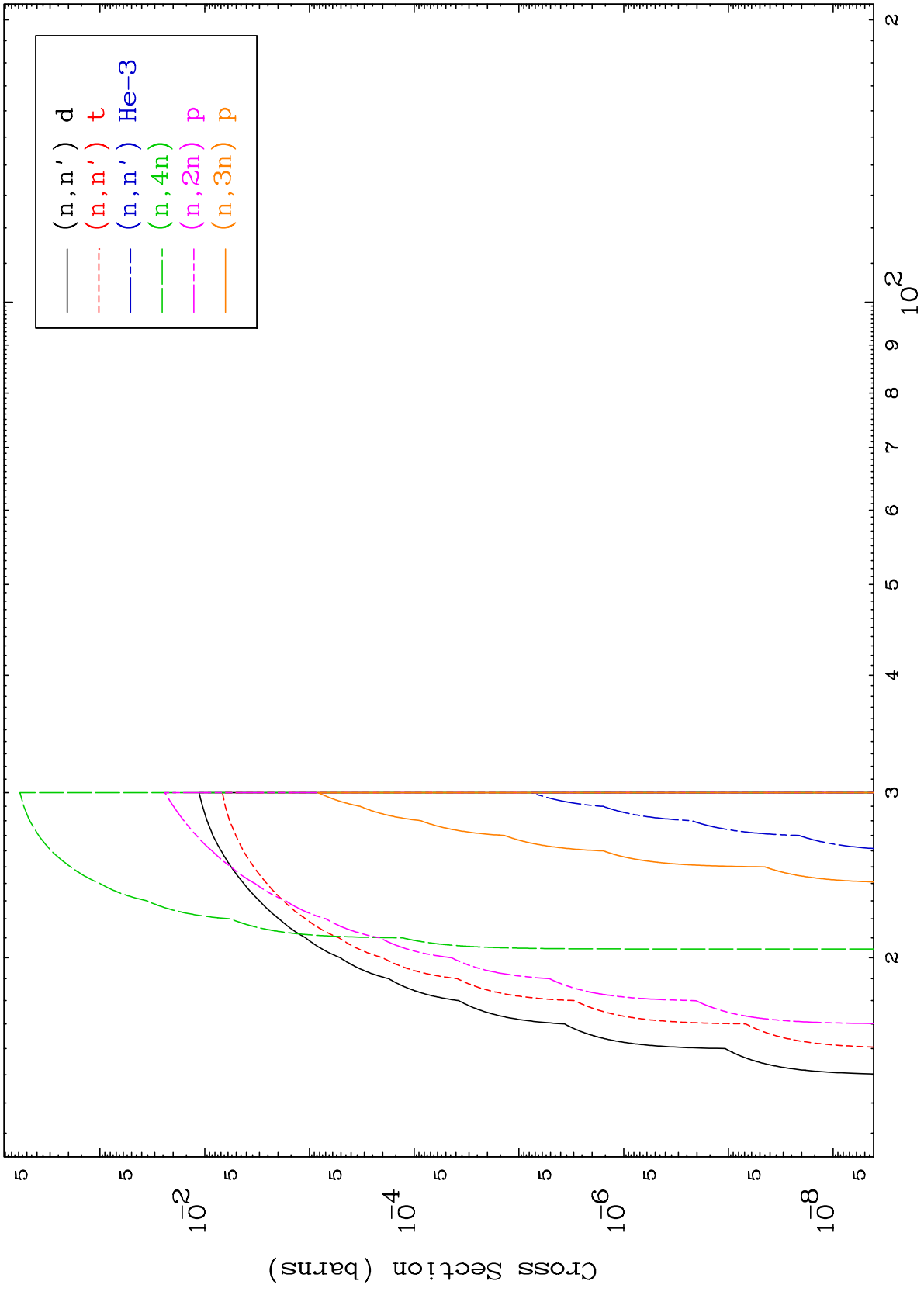
39-Y -94

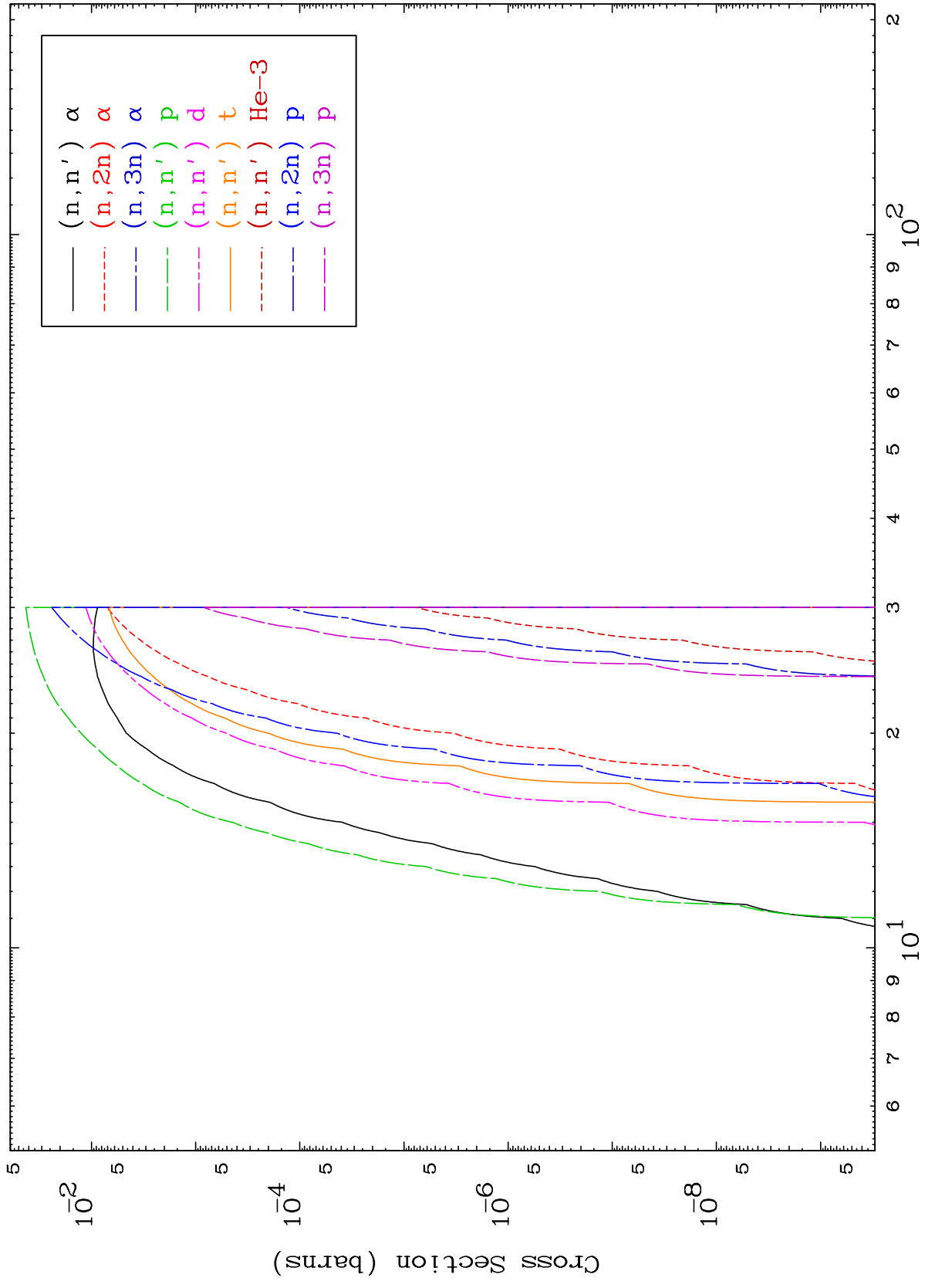


2

Incident Energy (MeV)

39-Y -94

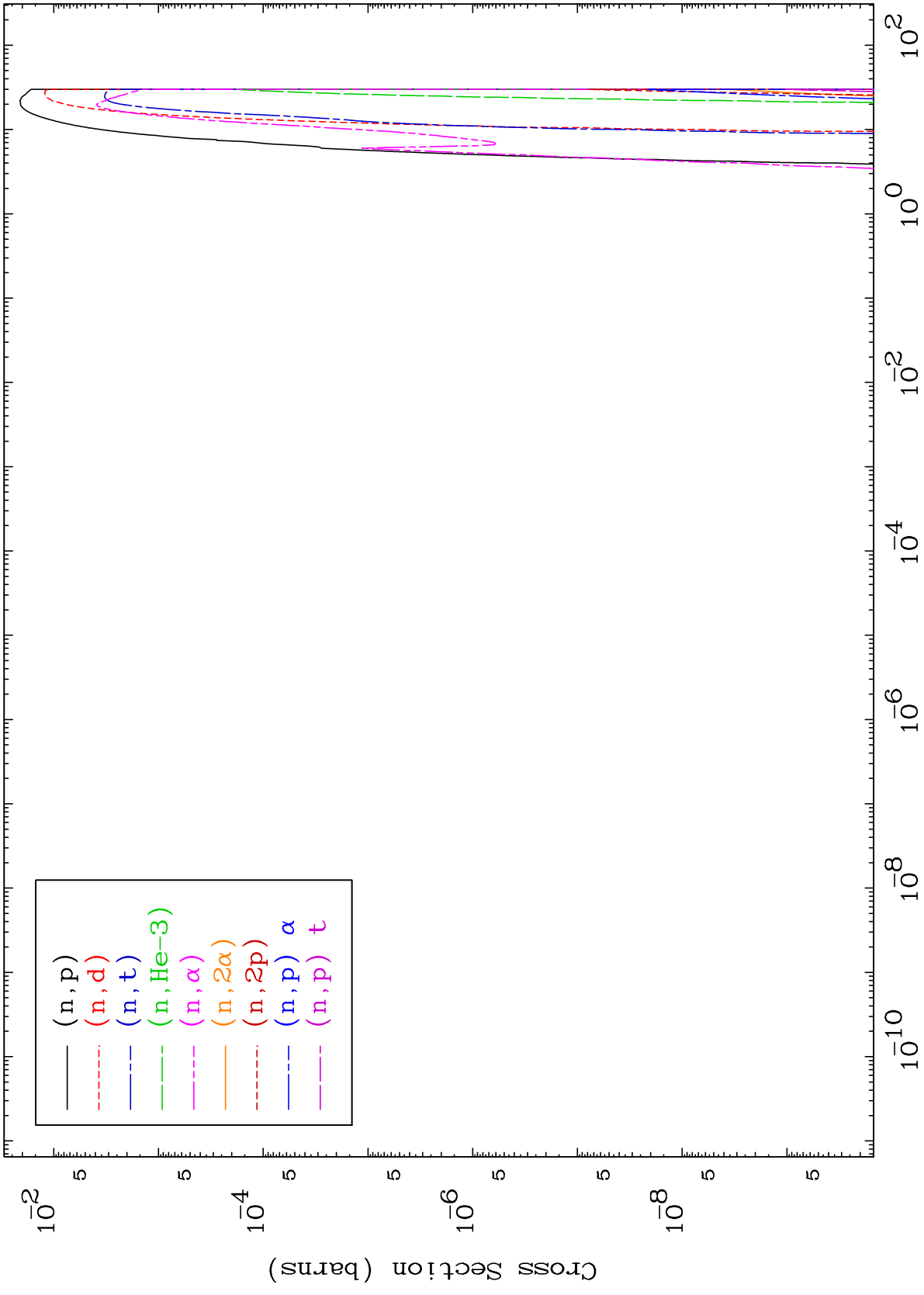




MAT 3940

Charged Particle
293 Kelvin Cross Sections

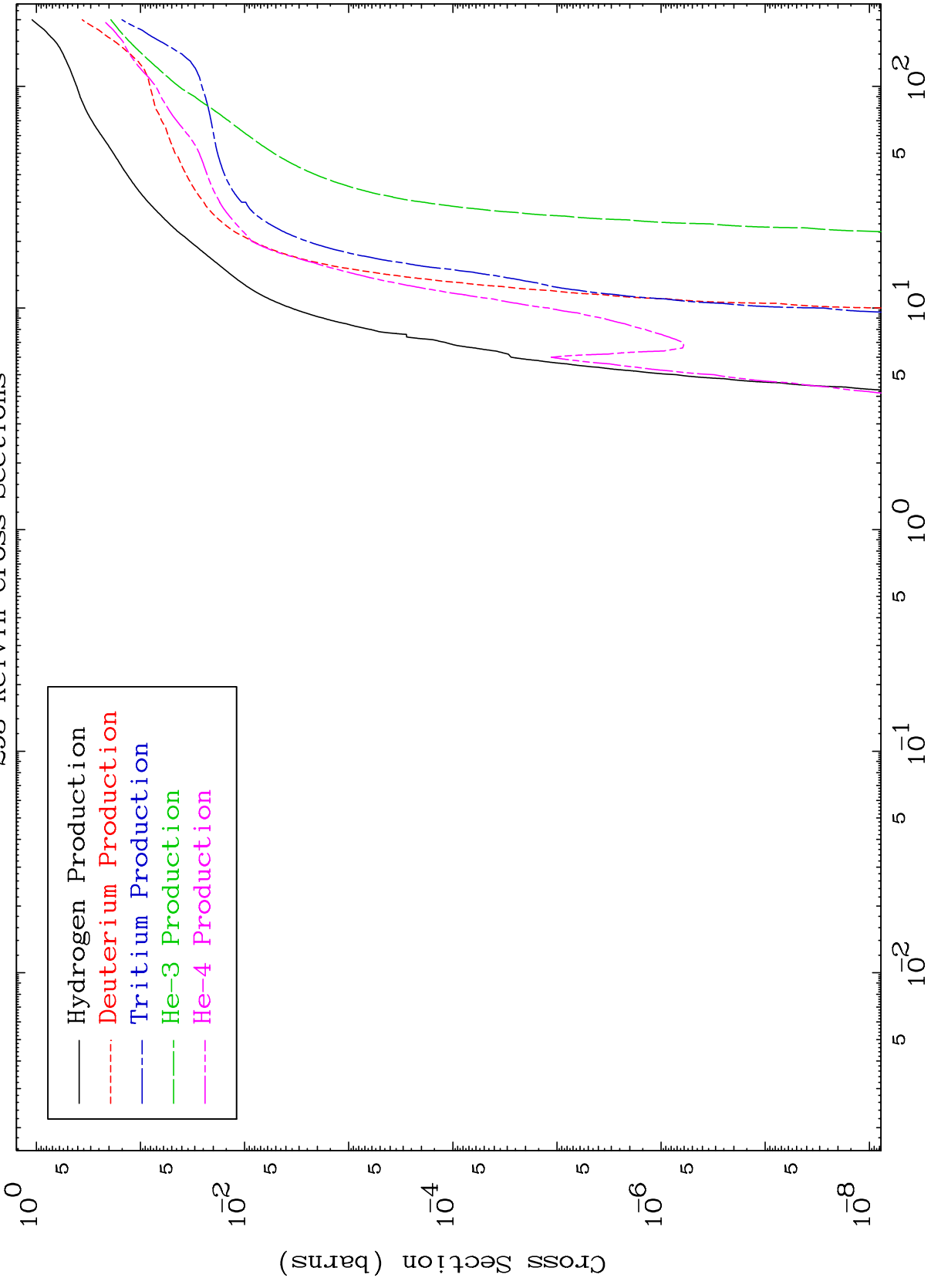
39-Y -94



MAT 3940

Particle Production
293 Kelvin Cross Sections

39-Y -94



6

Incident Energy (MeV)

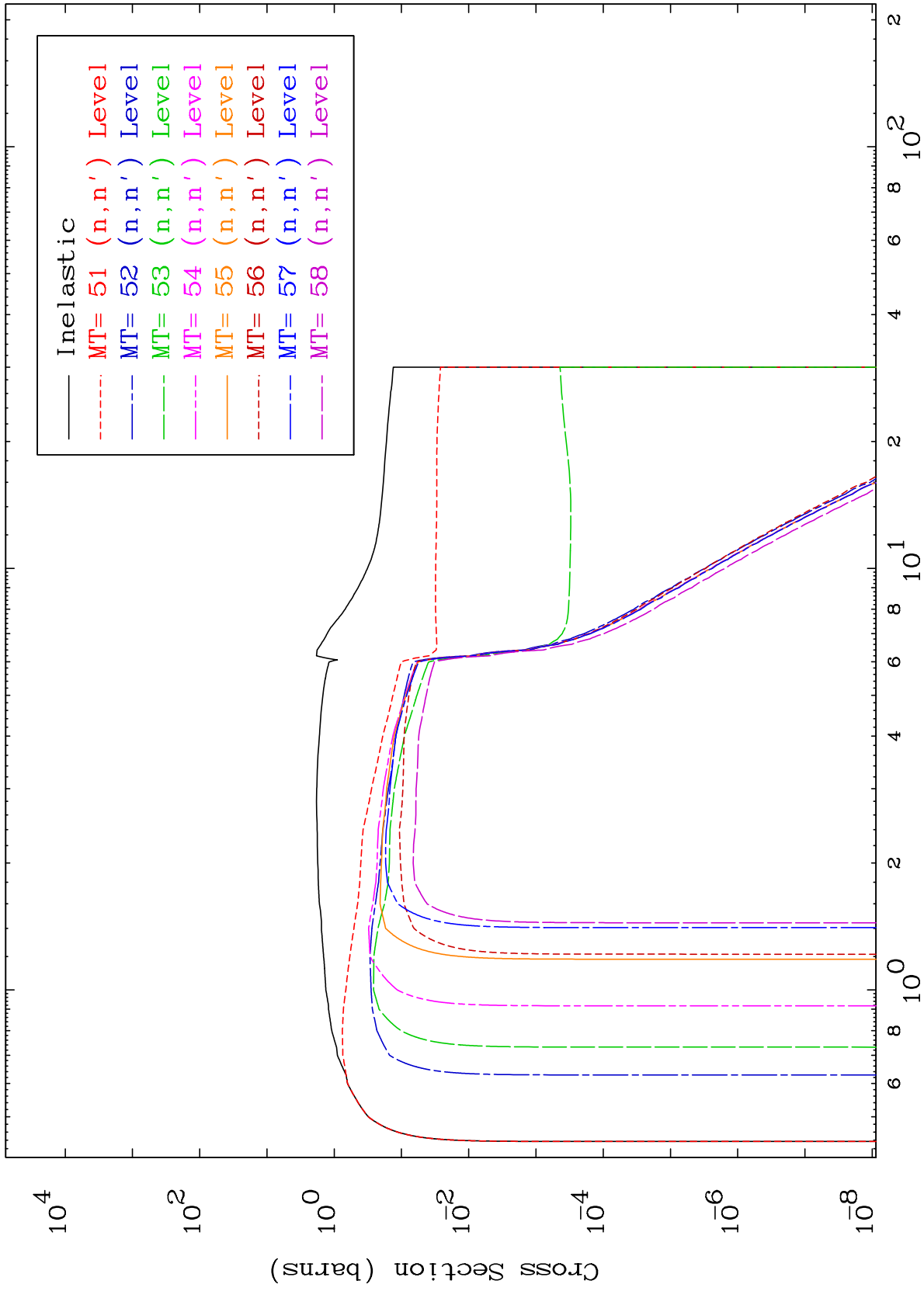
39-Y -94

MAT 3940

(n,n') Level

39-Y -94

293 Kelvin Cross Sections



7

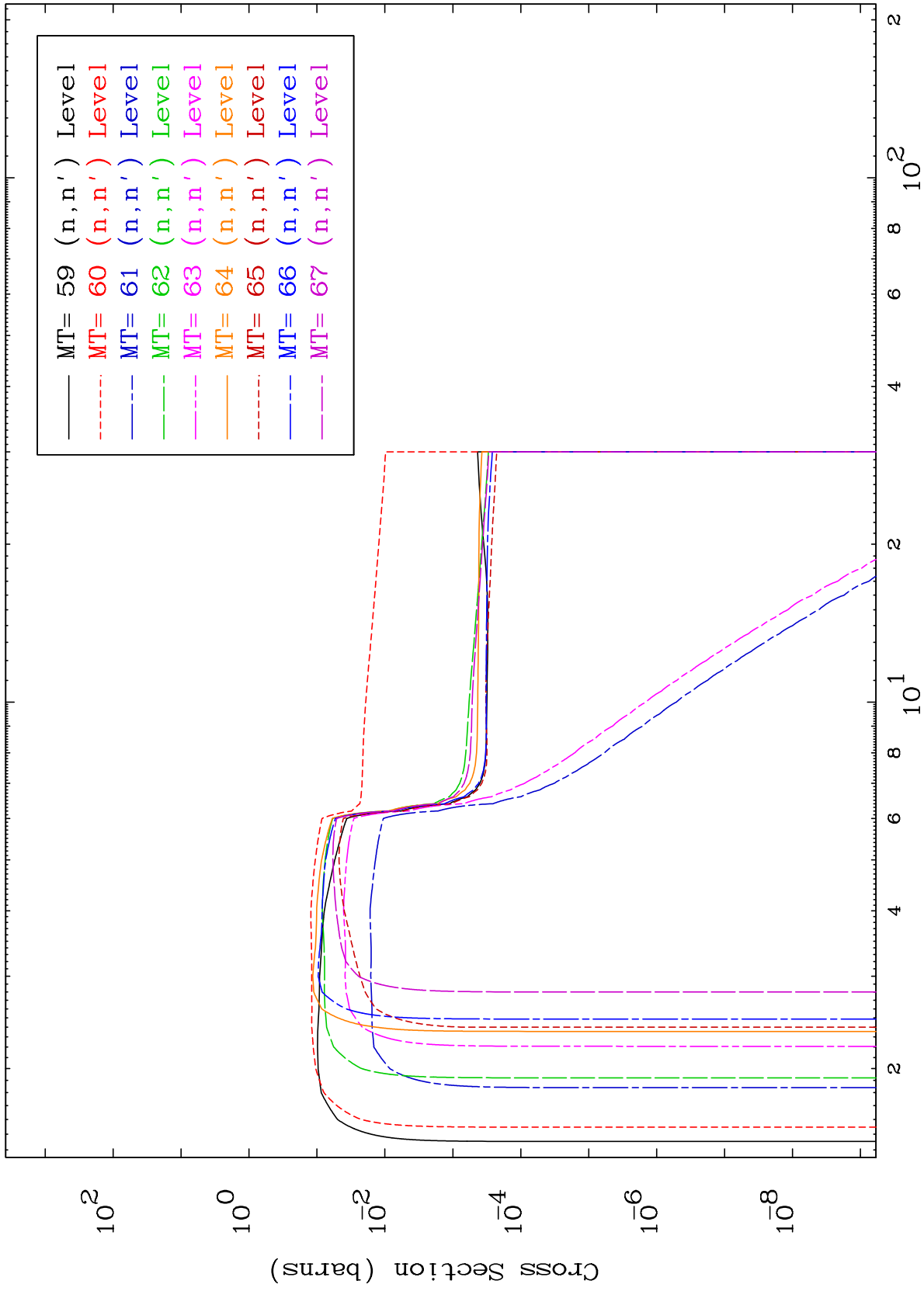
Incident Energy (MeV)

39-Y -94

MAT 3940

(n,n') Level
293 Kelvin Cross Sections

39-Y -94



8

Incident Energy (MeV)

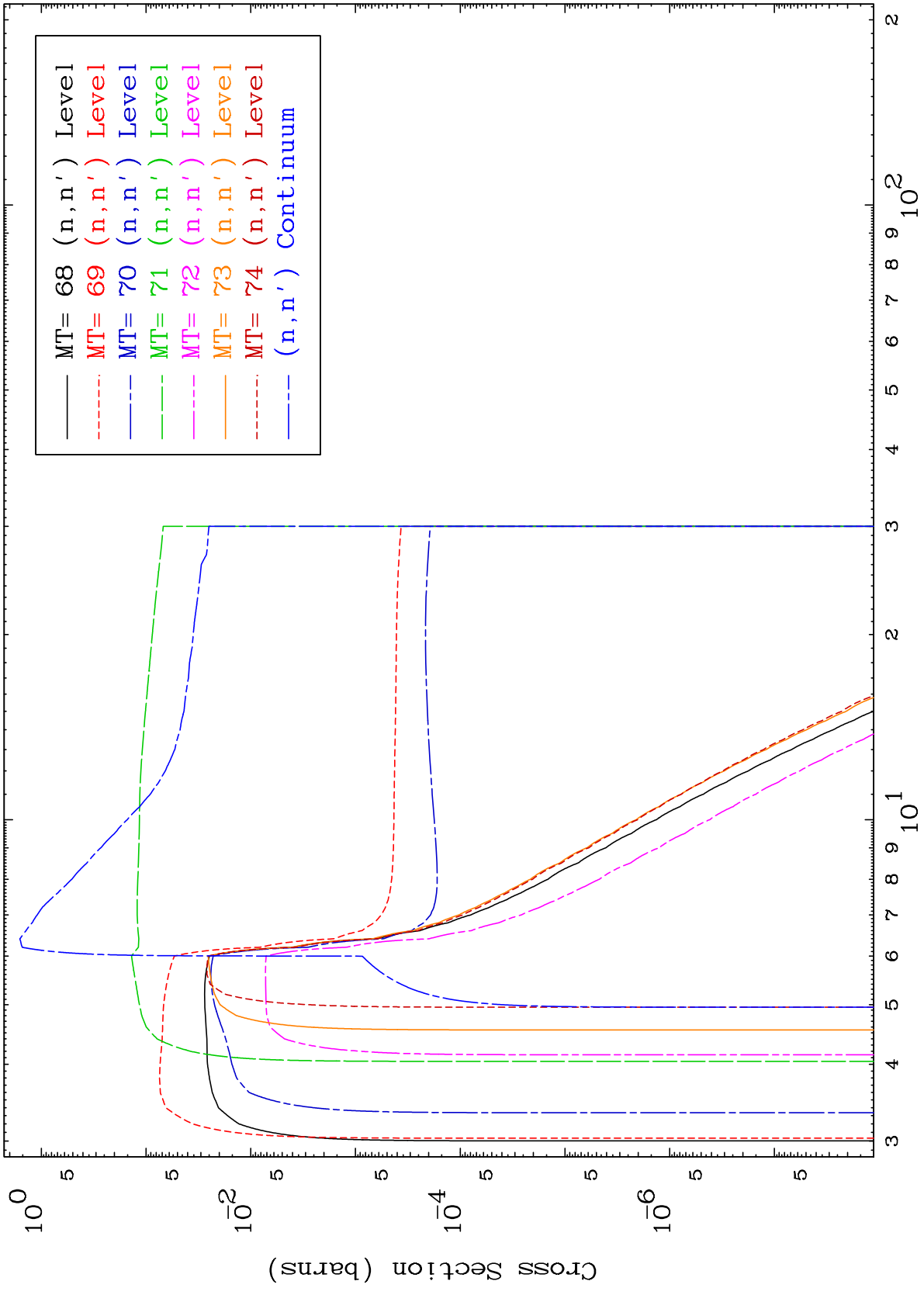
39-Y -94

MAT 3940

(n,n') Level

293 Kelvin Cross Sections

39-Y -94



9

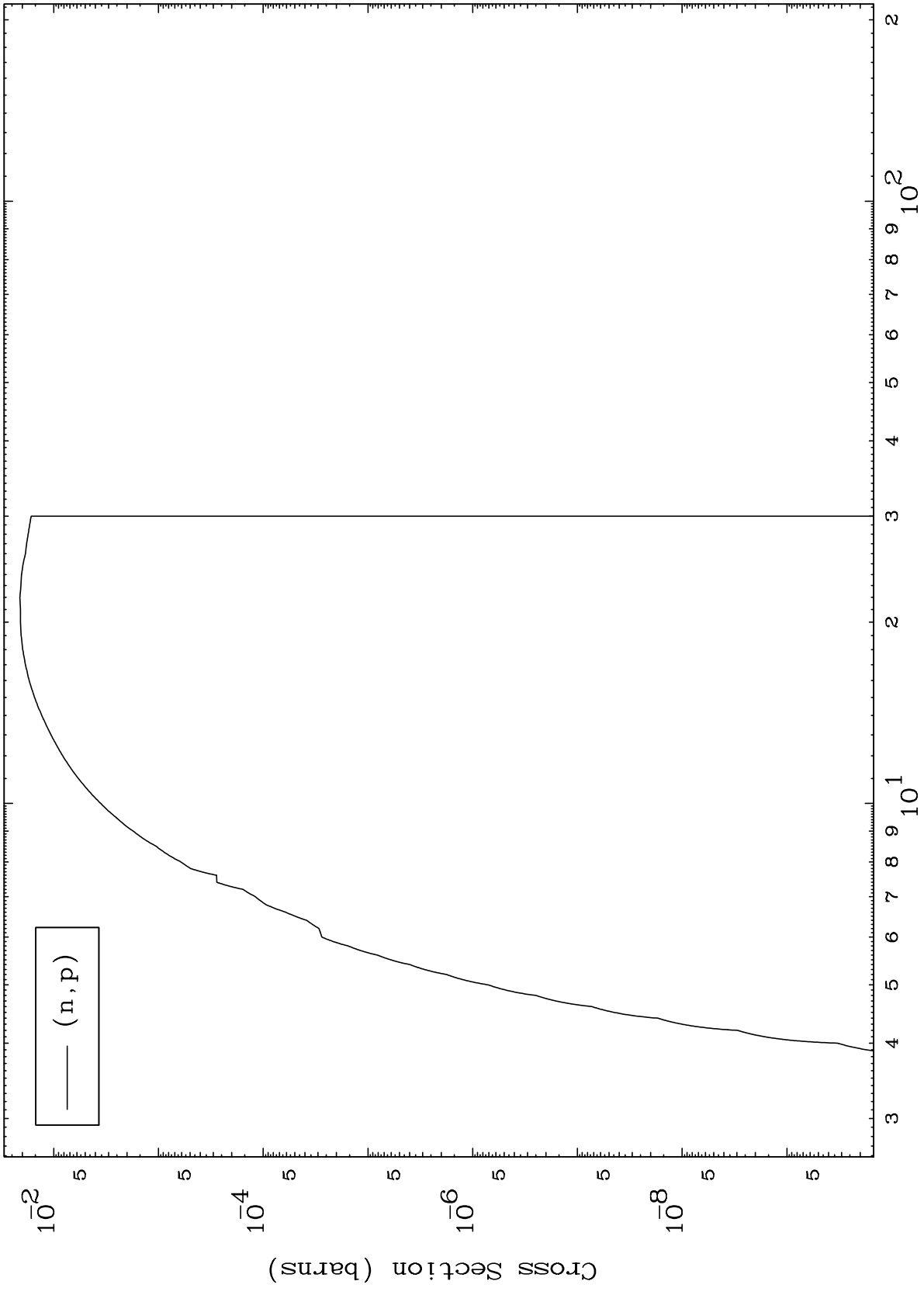
Incident Energy (MeV)

39-Y -94

MAT 3940

(n,p) Levels
293 Kelvin Cross Sections

39-Y -94



10

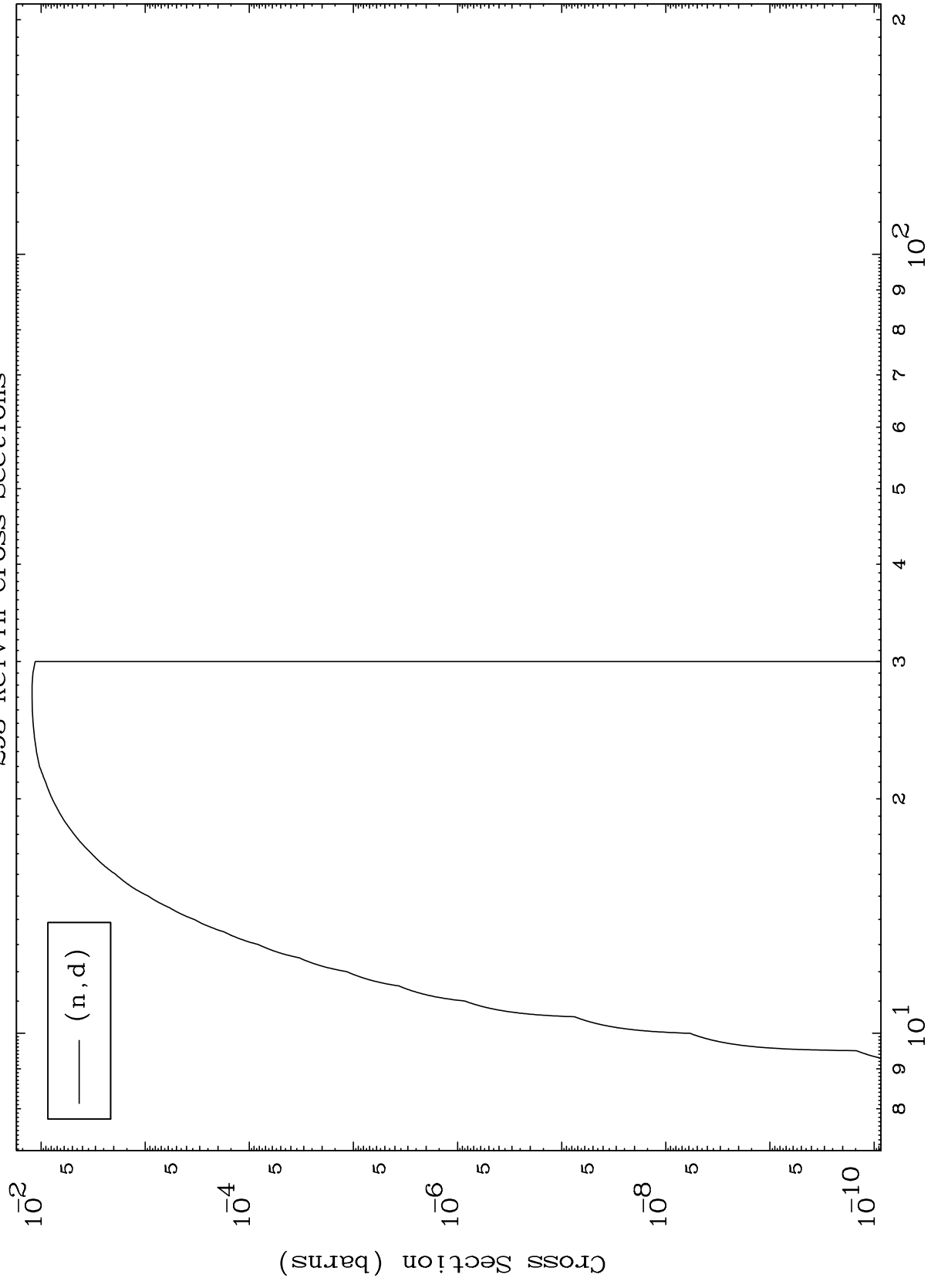
Incident Energy (MeV)

39-Y -94

MAT 3940

39-Y -94

(n,d) Levels
293 Kelvin Cross Sections



11

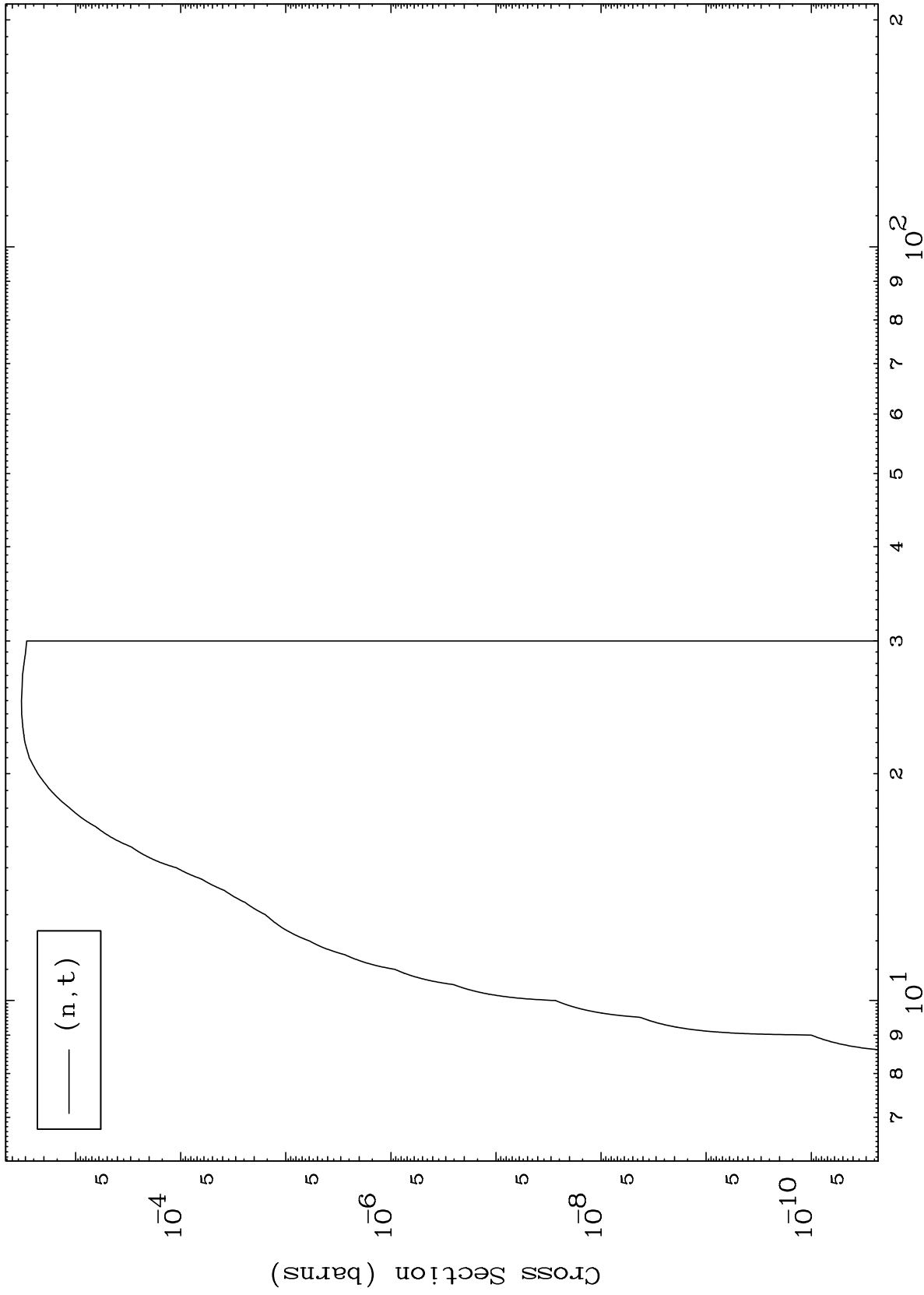
Incident Energy (MeV)

39-Y -94

MAT 3940

(n,t) Levels
293 Kelvin Cross Sections

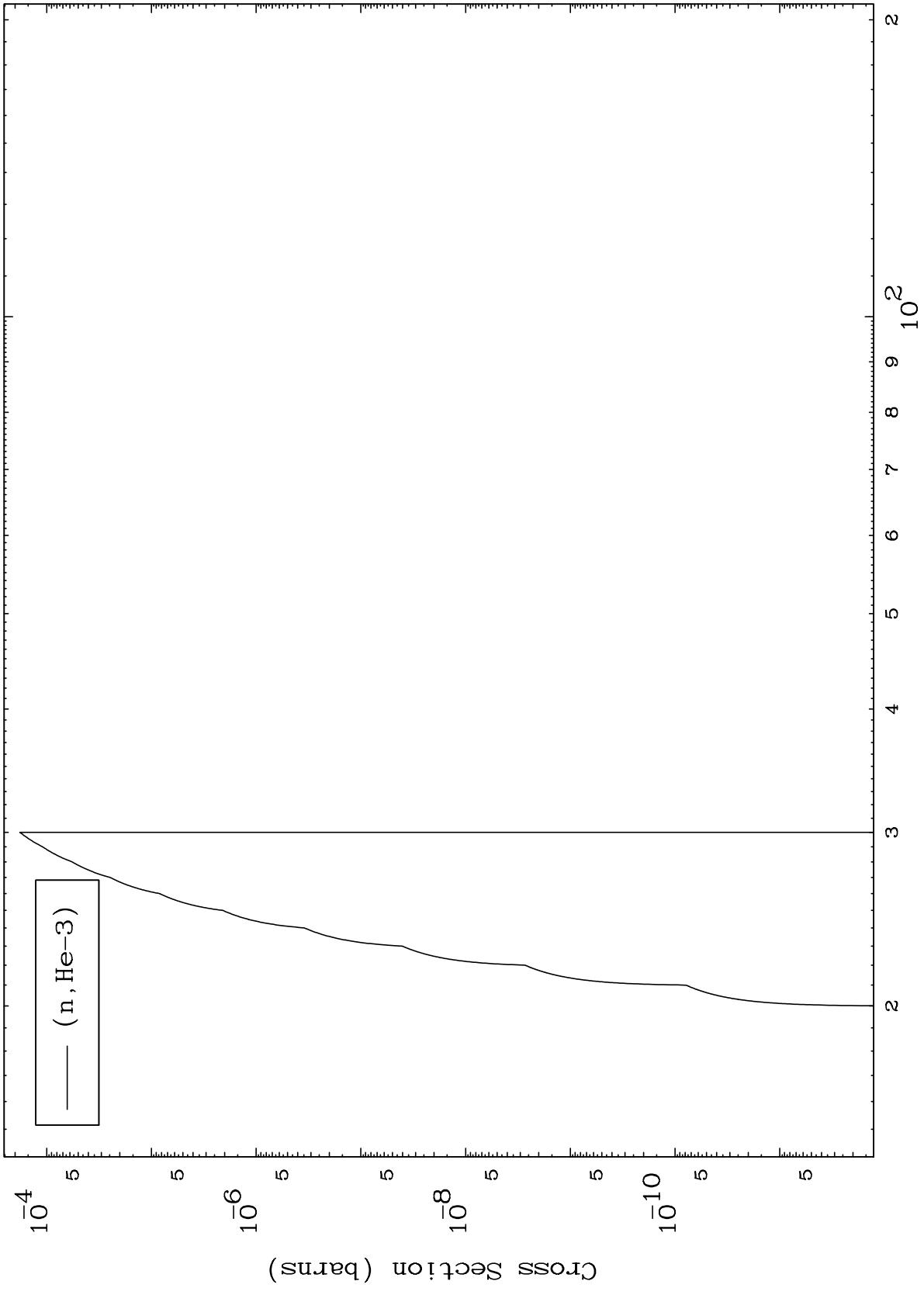
39-Y -94



12

Incident Energy (MeV)

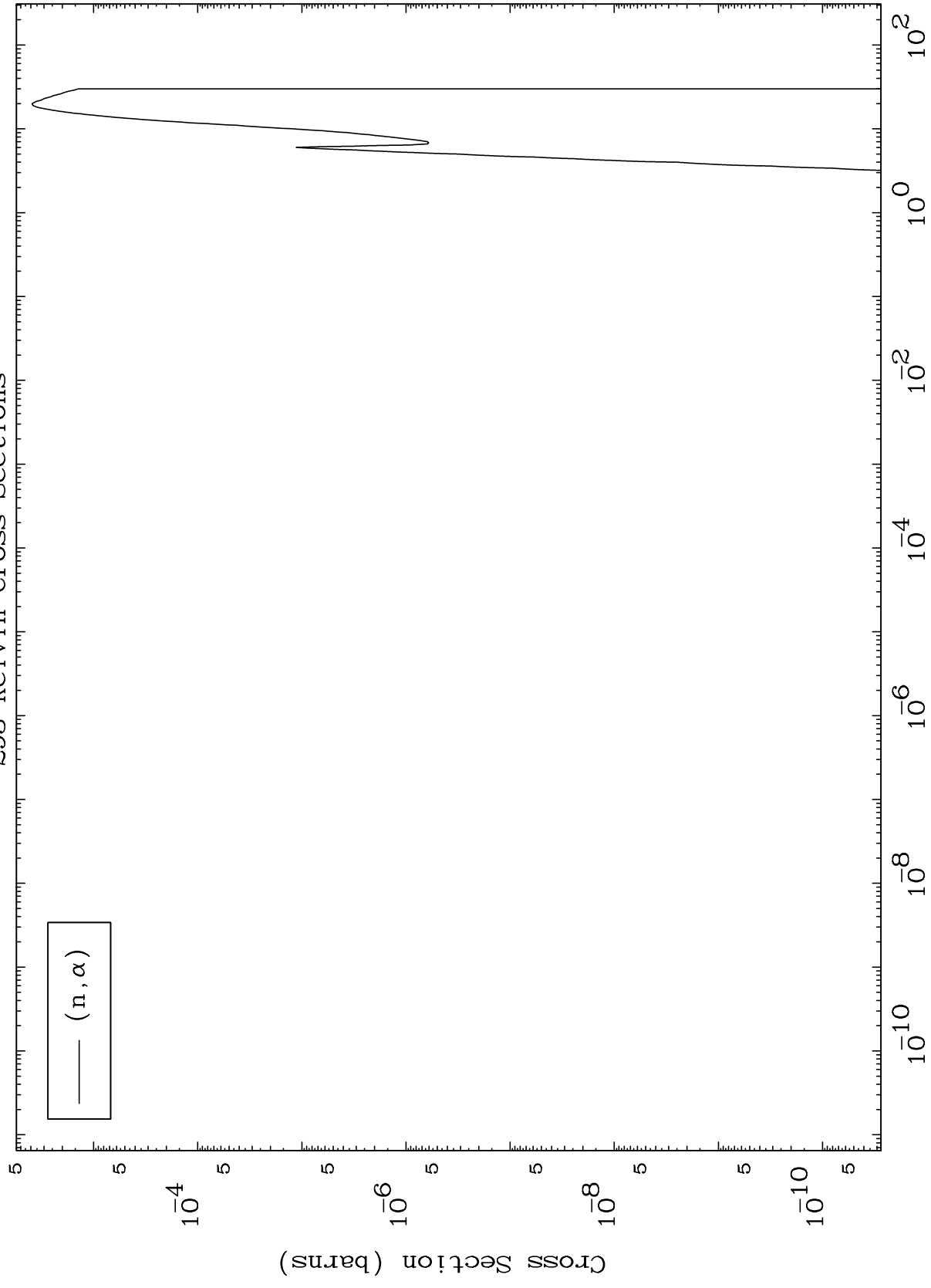
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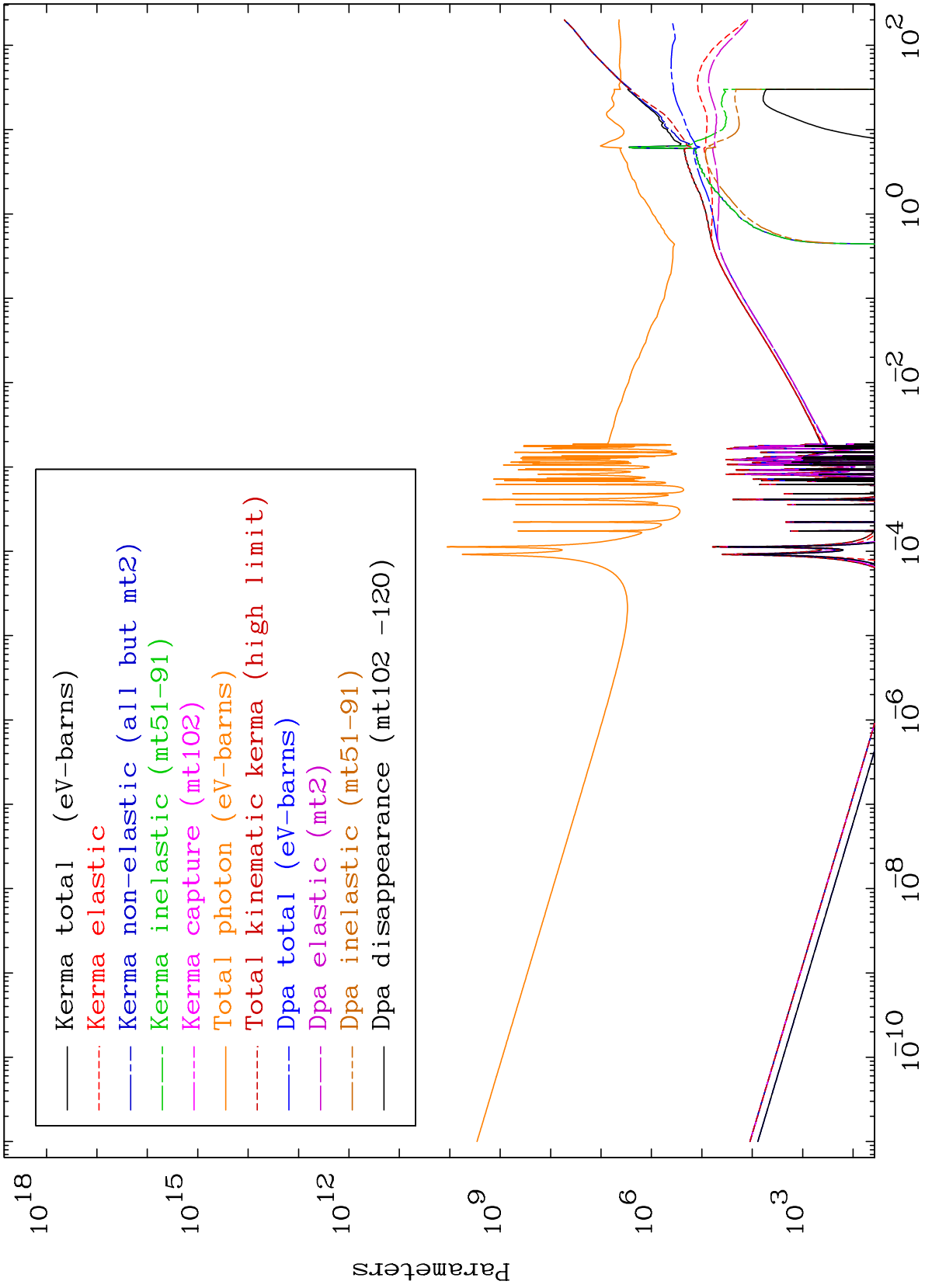


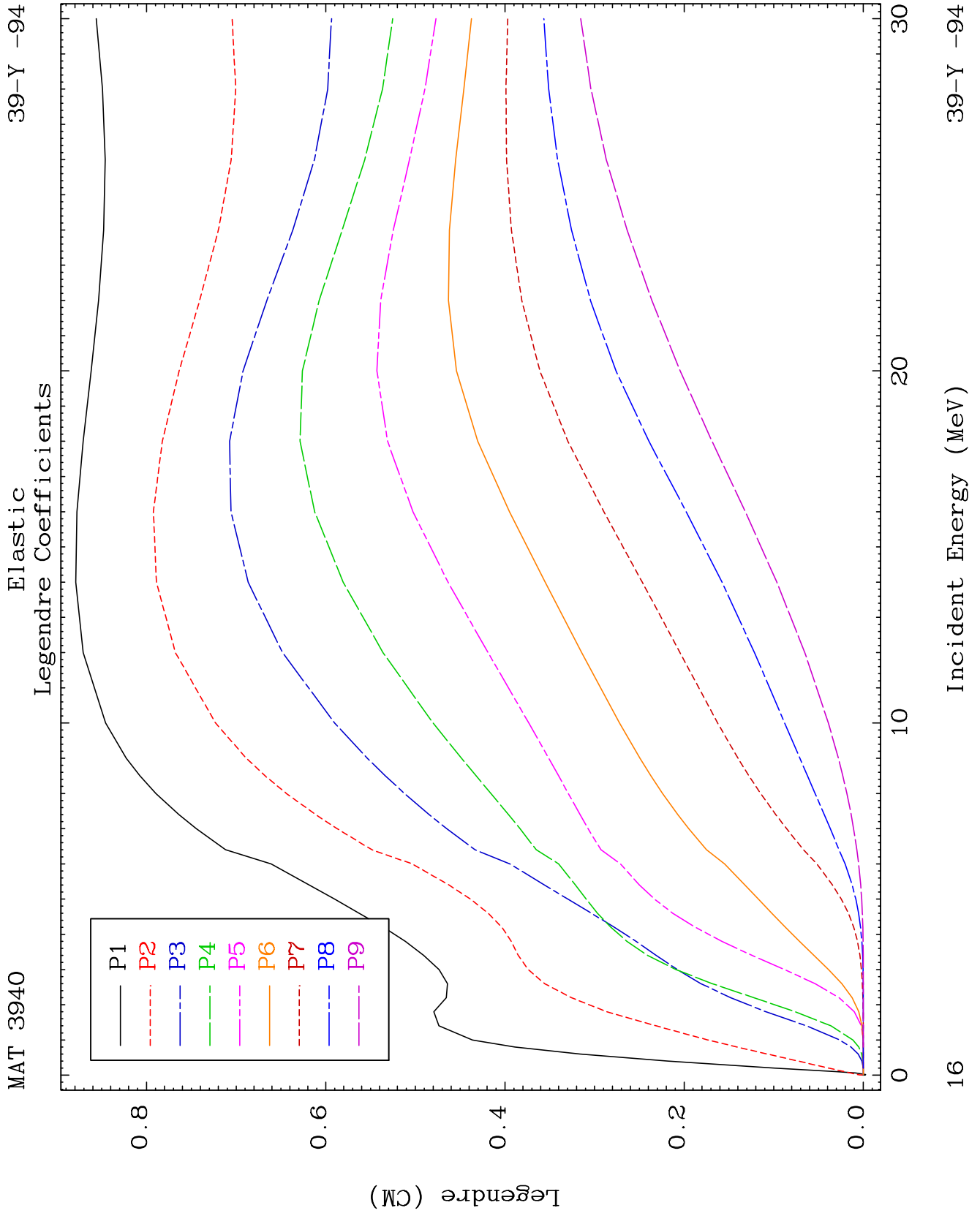
MAT 3940

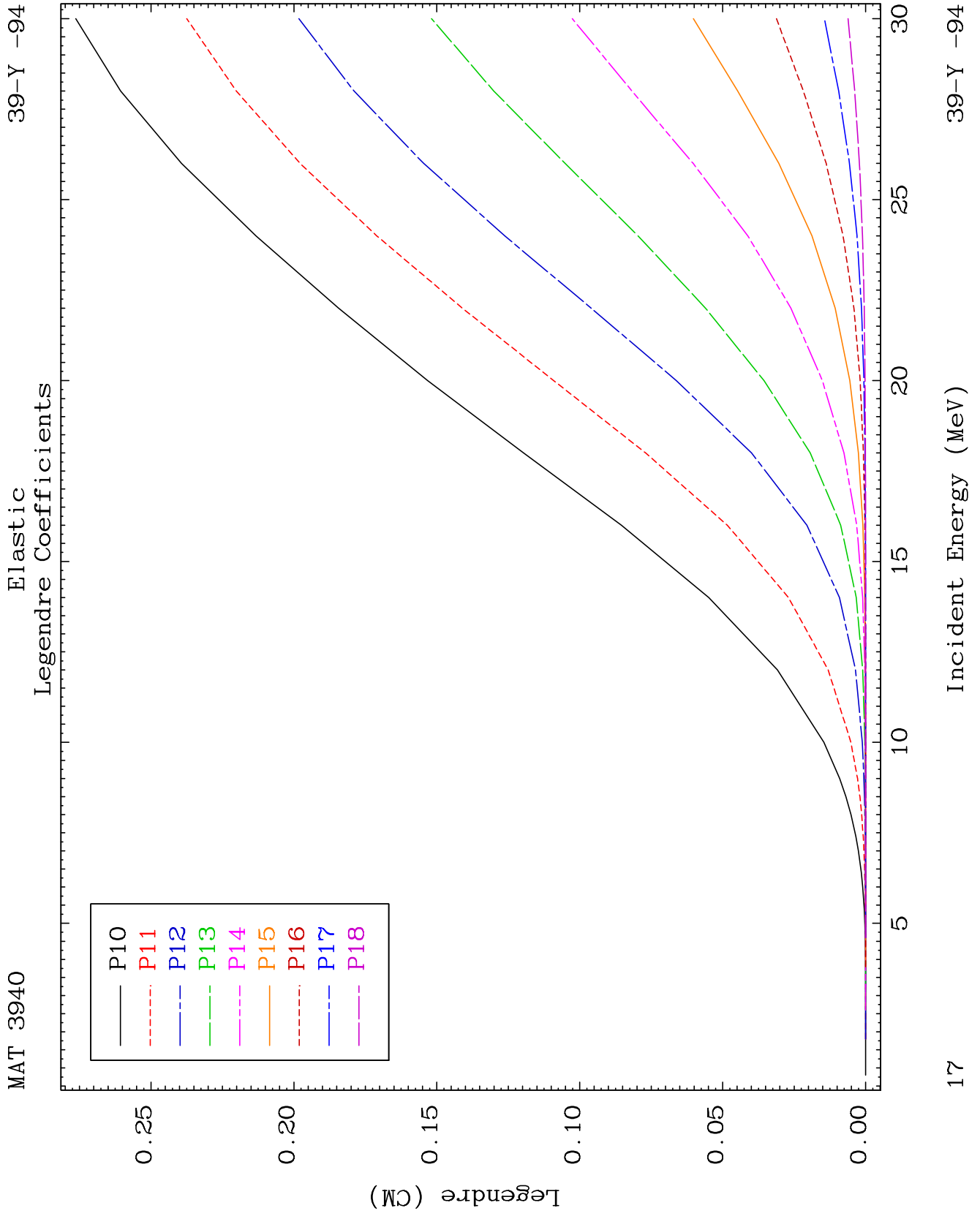
(n,α) Levels
293 Kelvin Cross Sections

39-Y -94





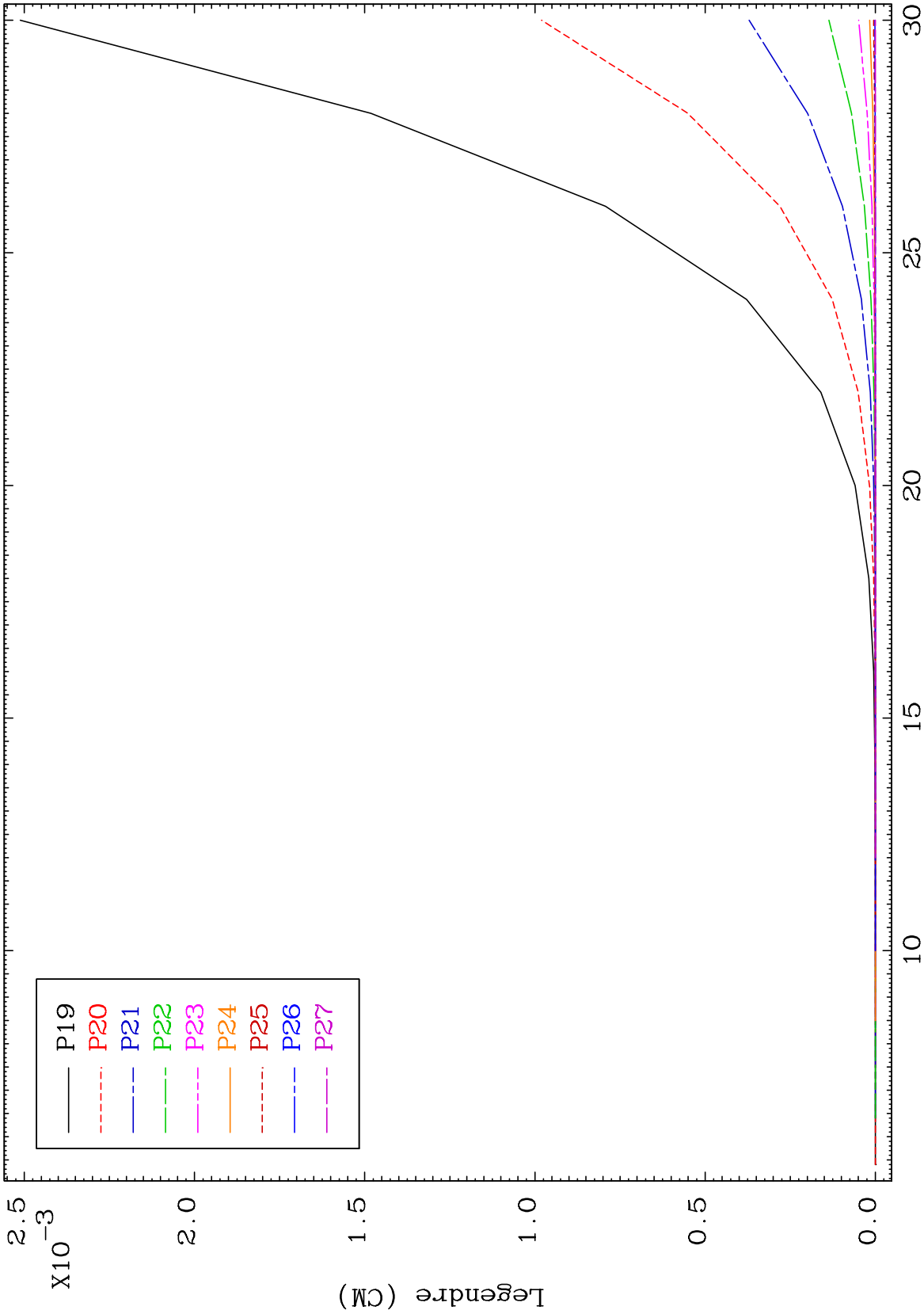




MAT 3940

Elastic Legendre Coefficients

39-Y -94



18

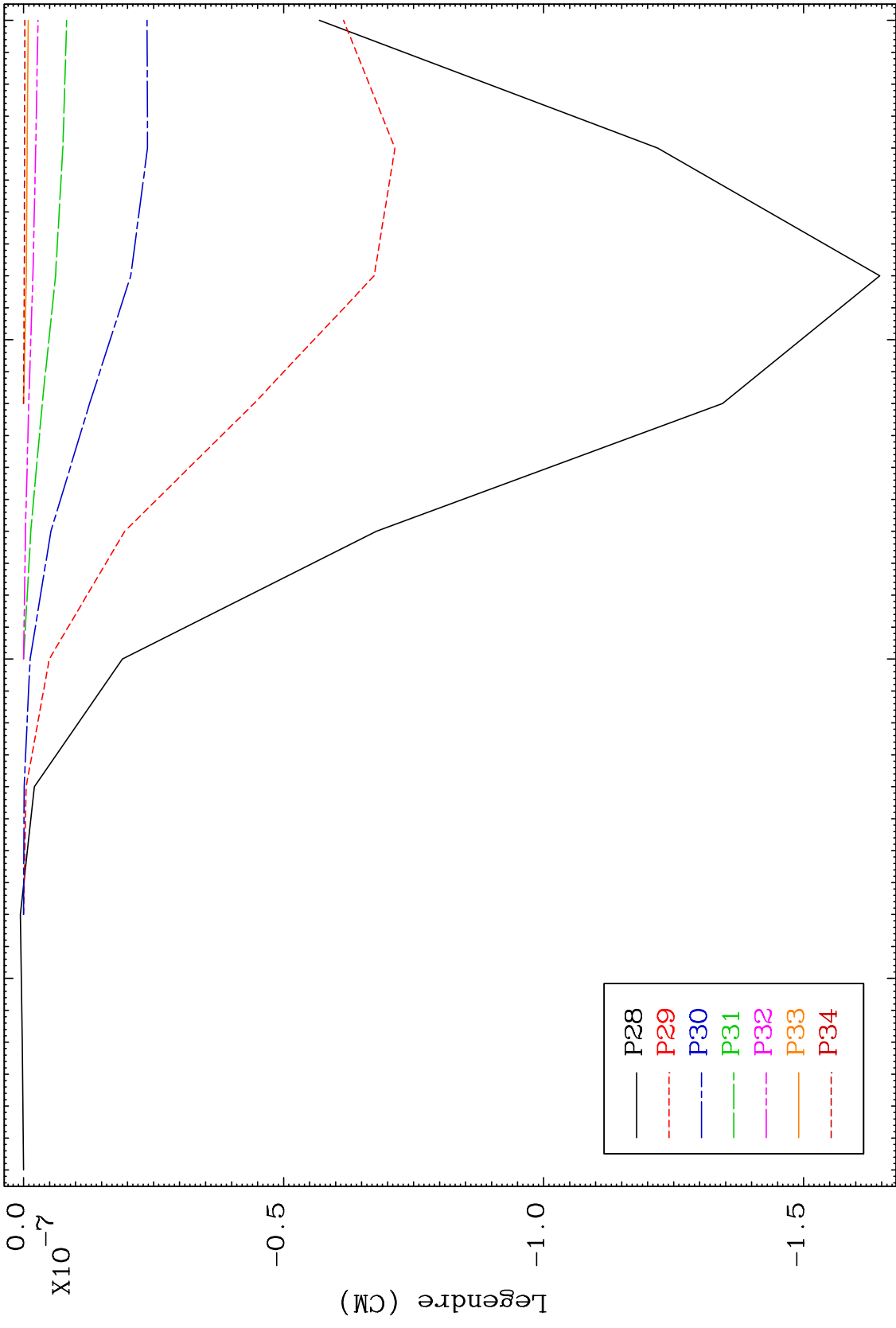
Incident Energy (MeV)

39-Y -94

MAT 3940

Elastic Legendre Coefficients

39-Y -94



0.0
X10⁻⁷

-0.5

-1.0

-1.5

Legendre (CM)

15

20

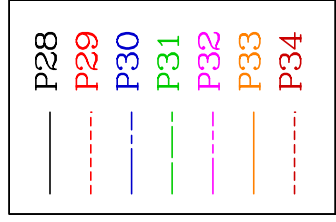
25

30

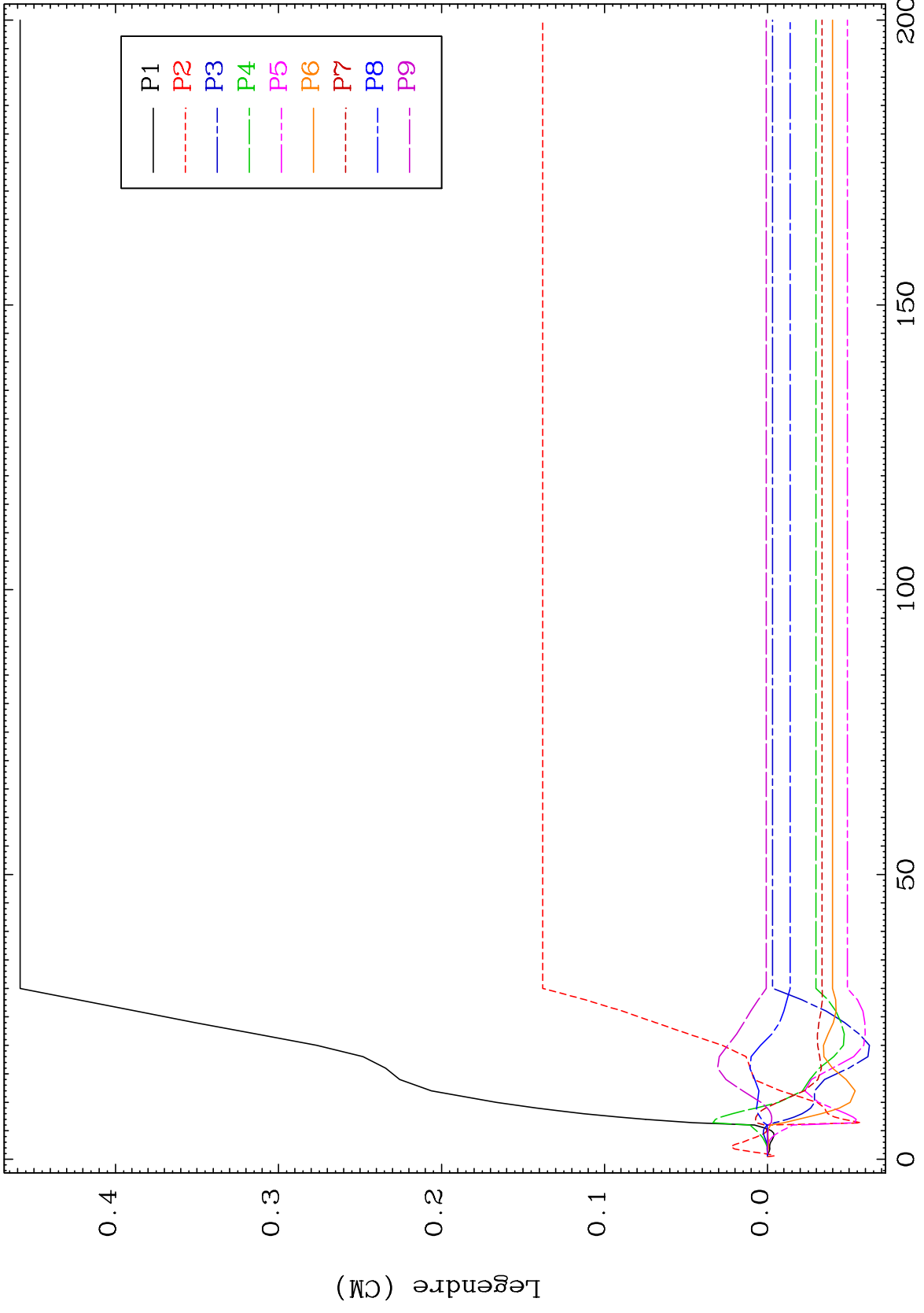
19

Incident Energy (MeV)

39-Y -94



MAT 3940 MT= 51 (n,n') Level Legendre Coefficients 39-Y -94

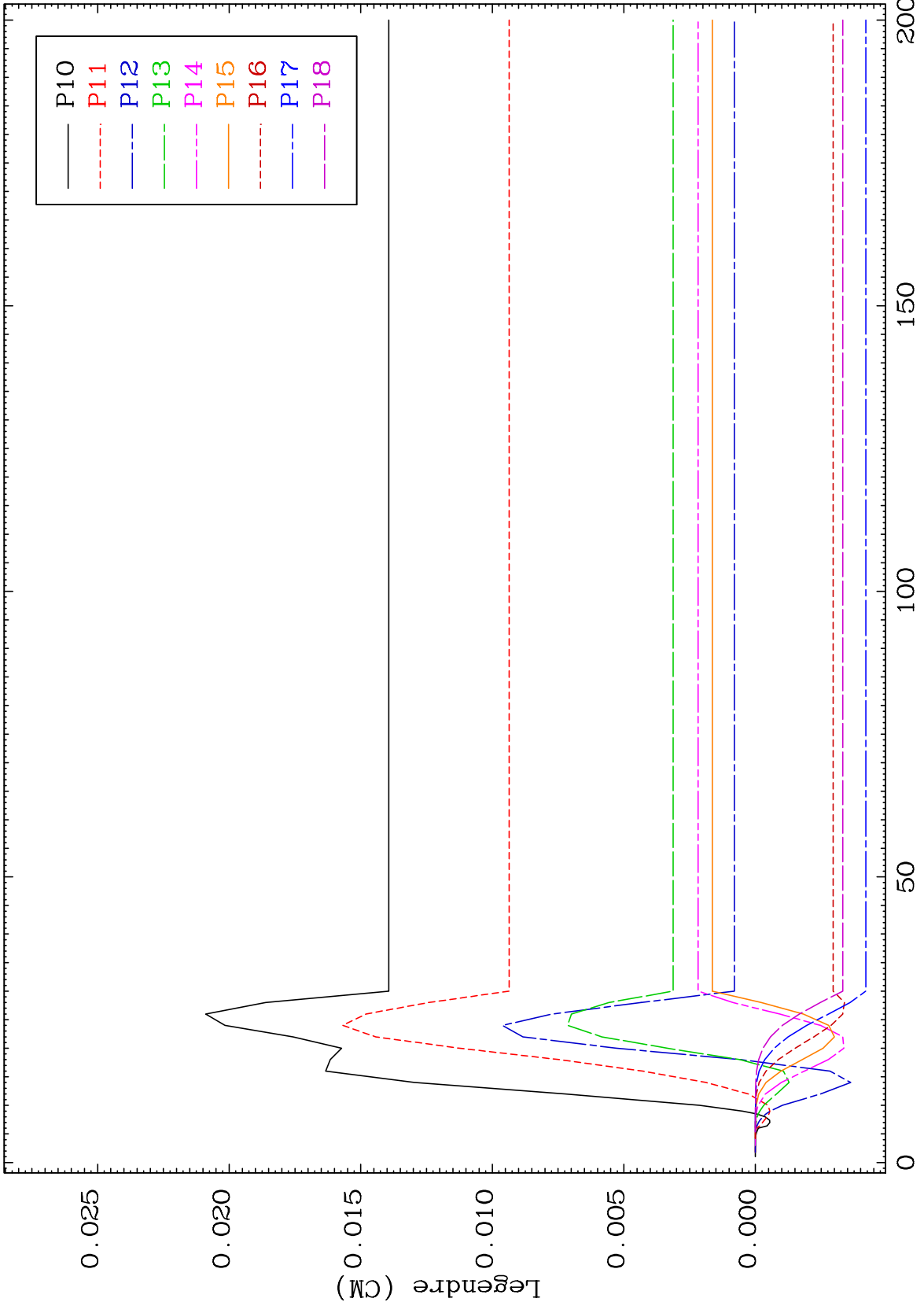


39-Y -94

MAT 3940

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

39-Y -94



21

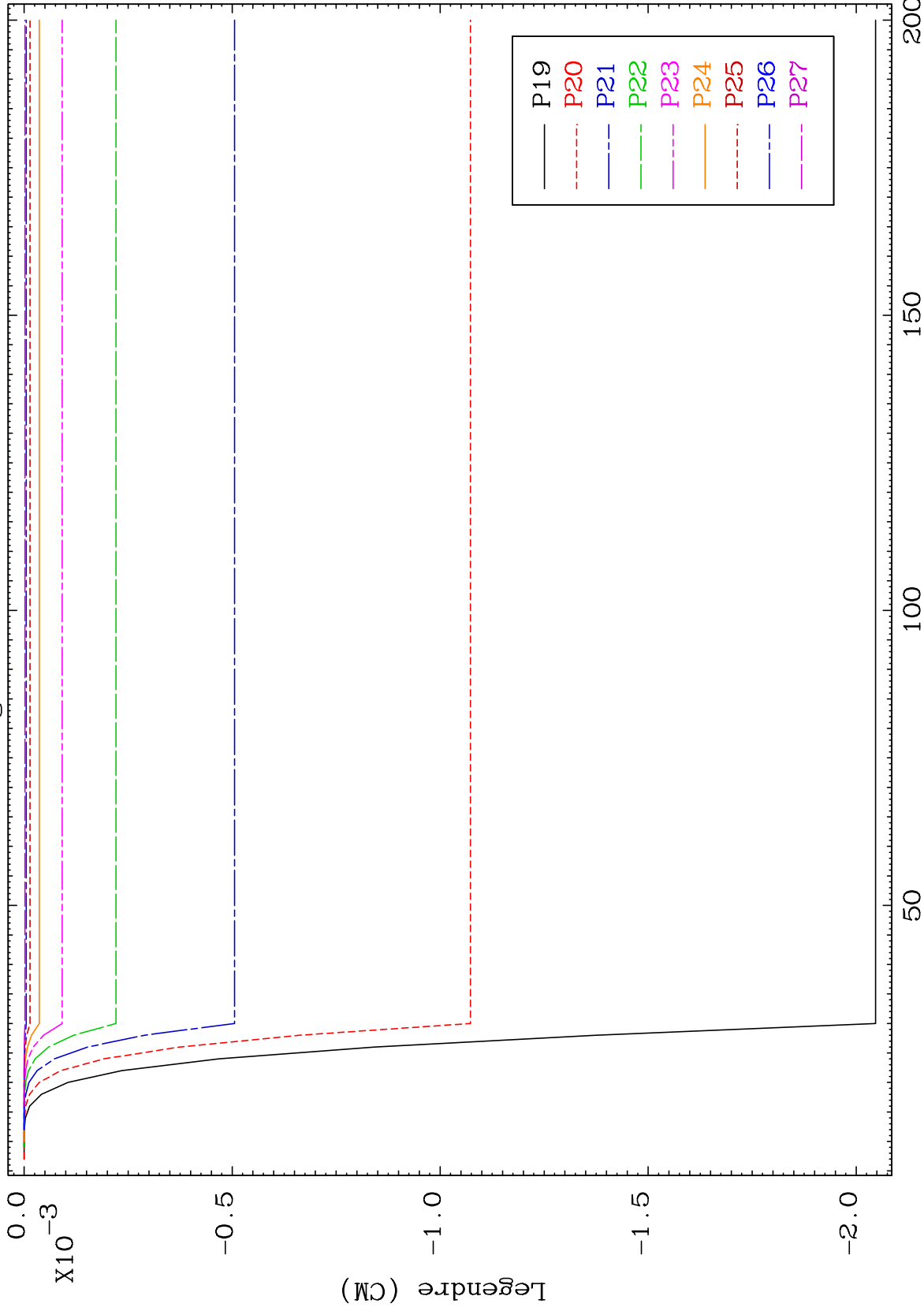
Incident Energy (MeV)

39-Y -94

MAT 3940

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

39-Y -94

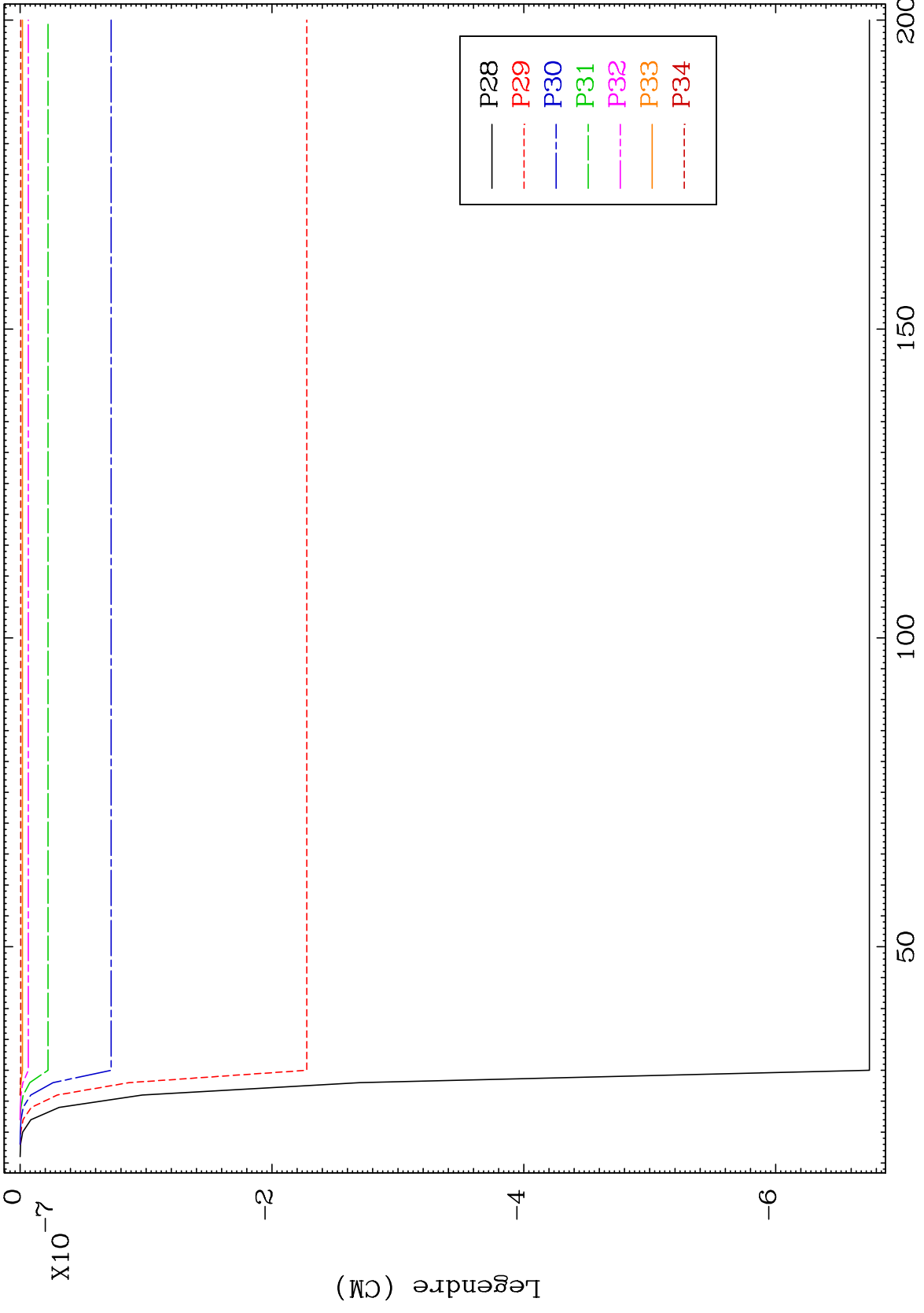


22

Incident Energy (MeV)

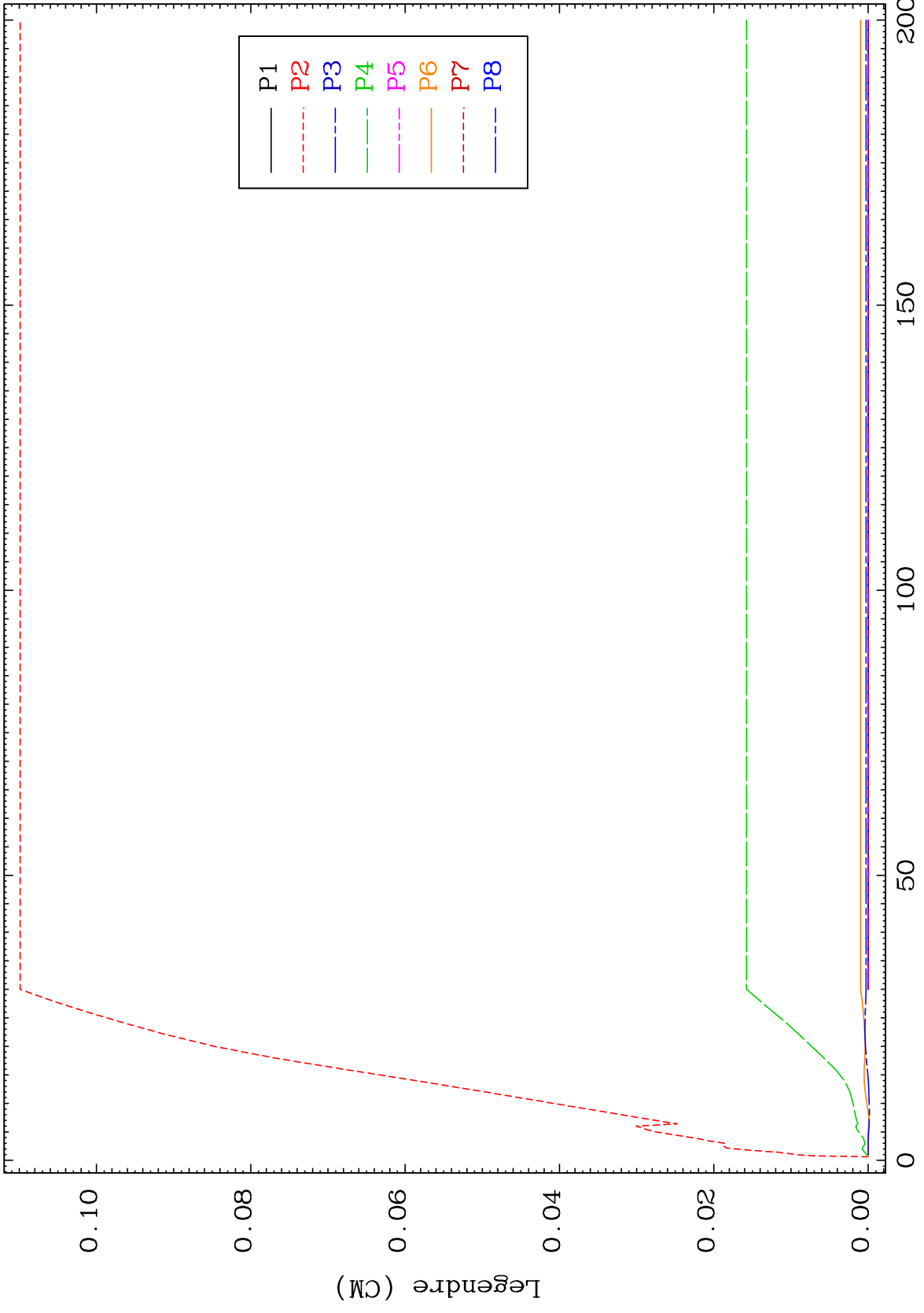
39-Y -94

MAT 3940 MT= 51 (n,n') Level Legendre Coefficients 39-Y -94



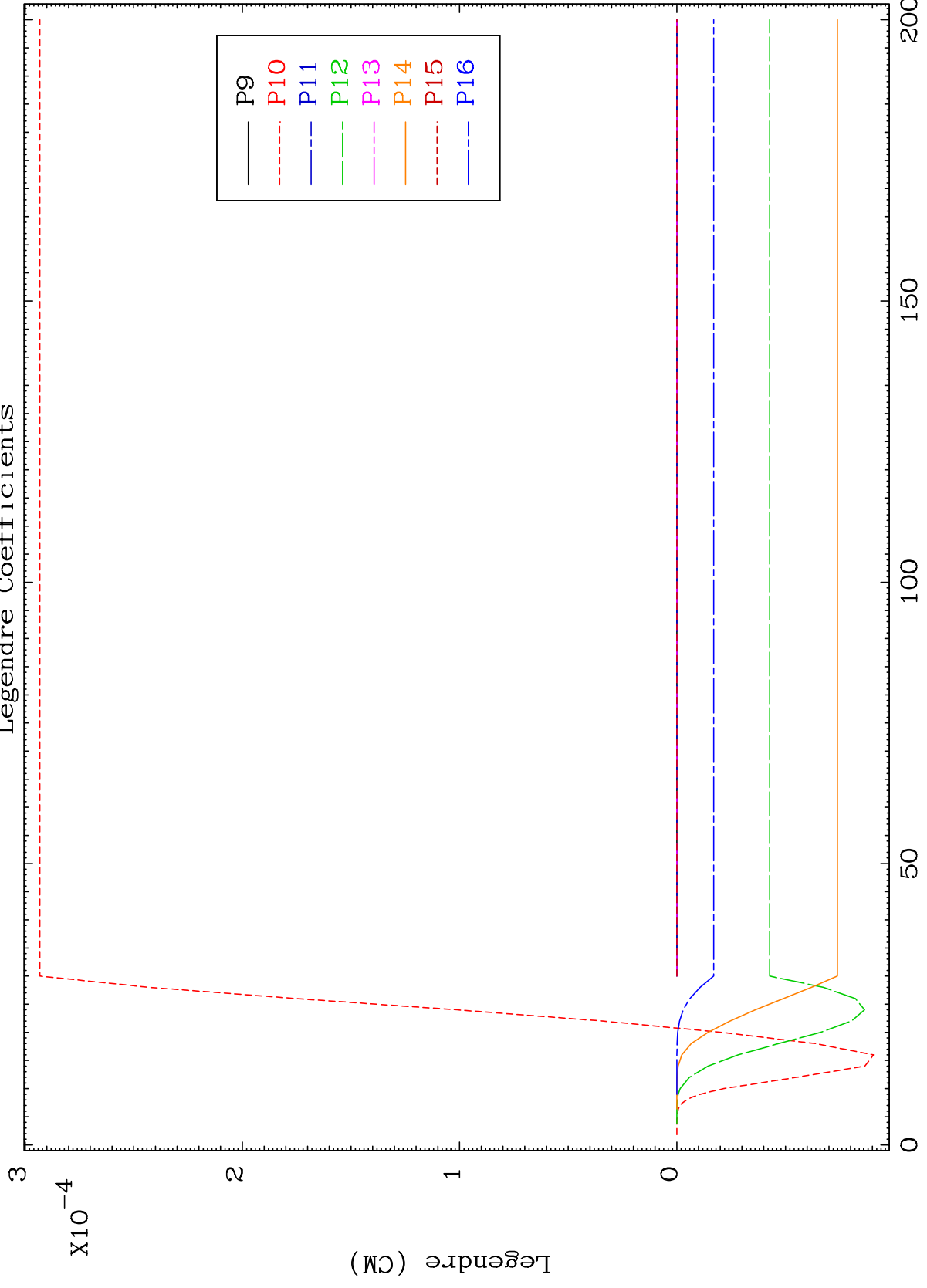
23 39-Y -94

MAT 3940 MT= 52 (n,n') Level Legendre Coefficients 39-Y -94



Incident Energy (MeV) 39-Y -94

MAT 3940 MT= 52 (n,n') Level Legendre Coefficients 39-Y -94

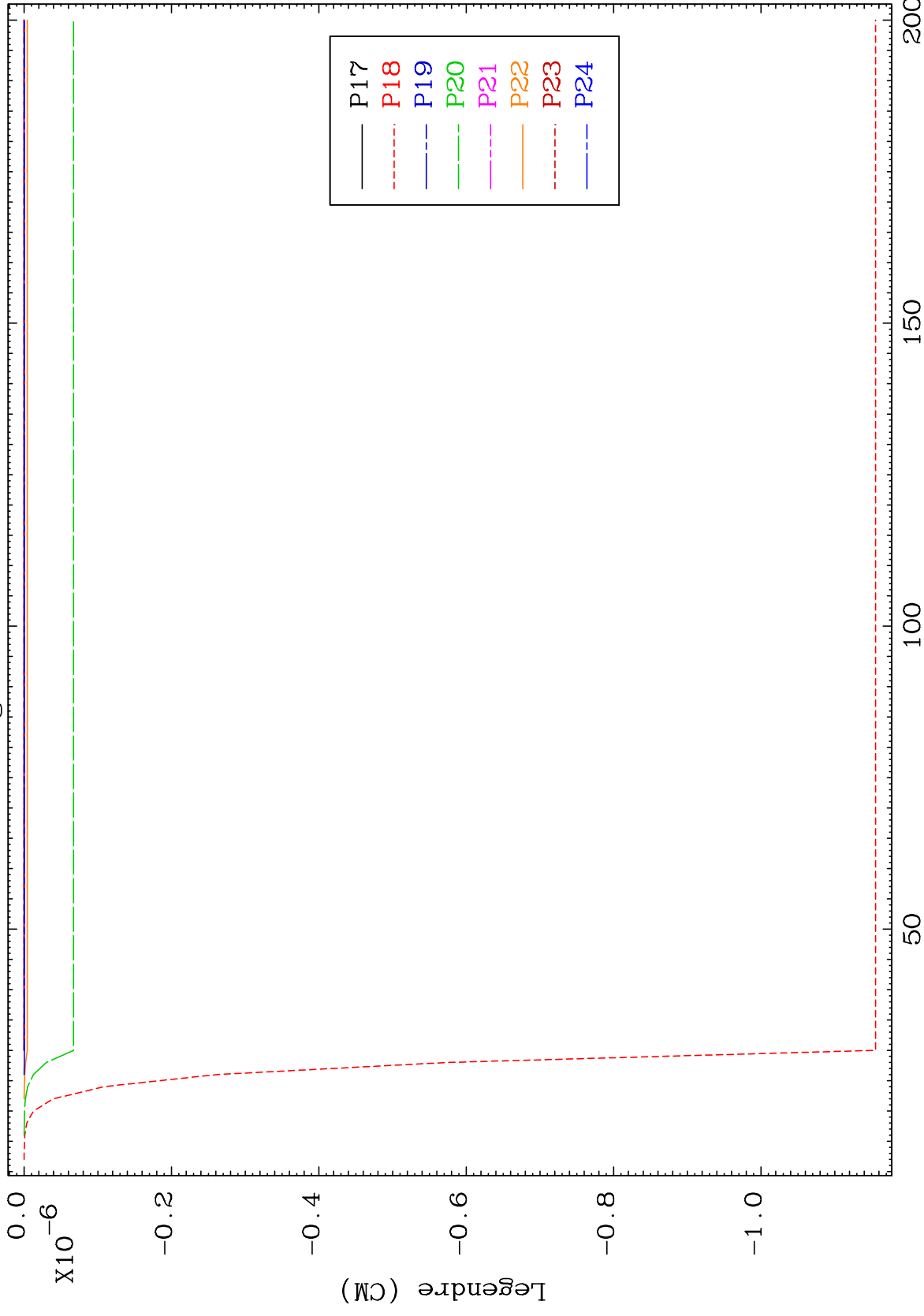


Incident Energy (MeV) 39-Y -94

MAT 3940

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

39-Y -94



39-Y -94

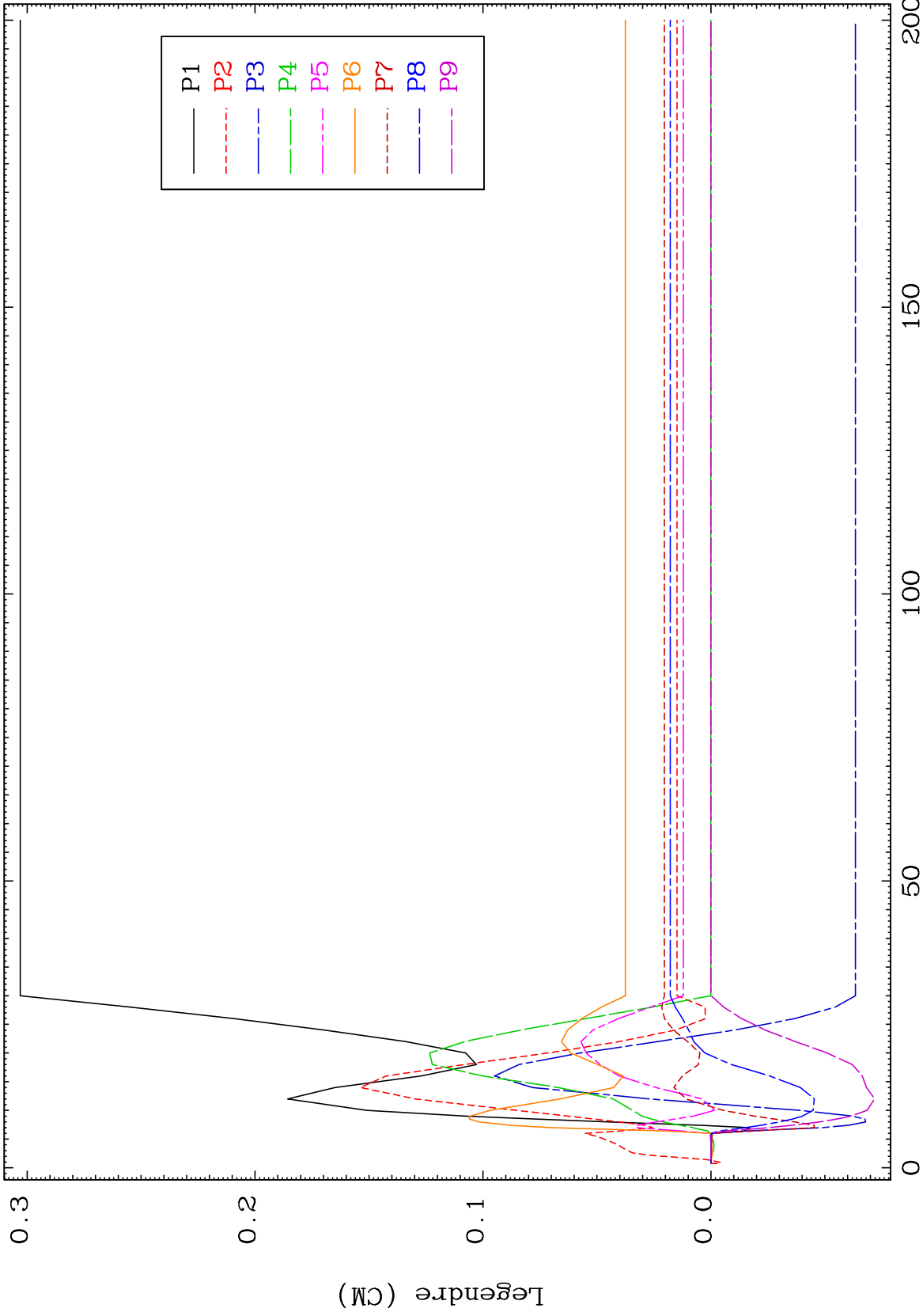
Incident Energy (MeV)

26

MAT 3940

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

39-Y -94



27

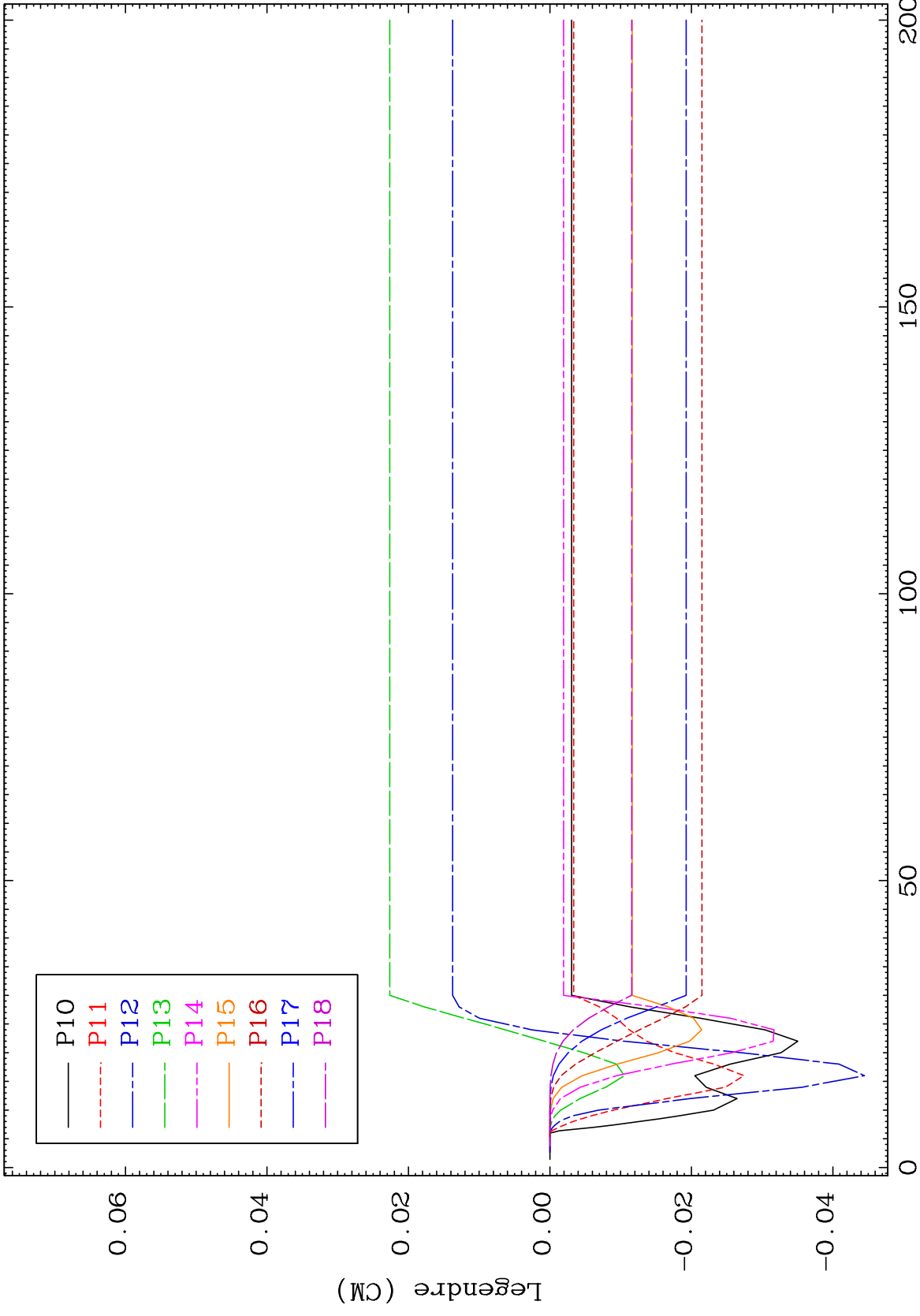
Incident Energy (MeV)

39-Y -94

MAT 3940

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

39-Y -94

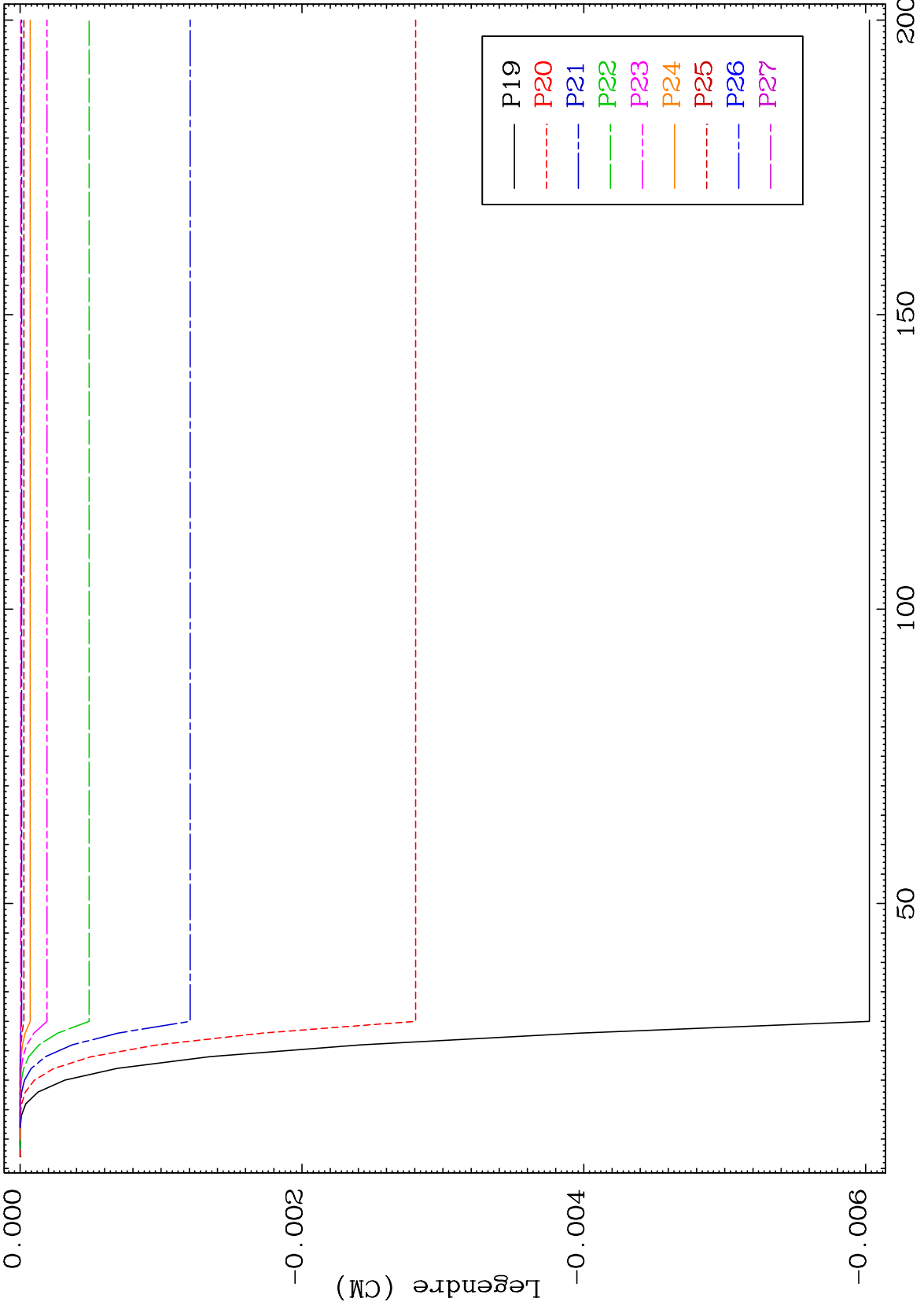


28

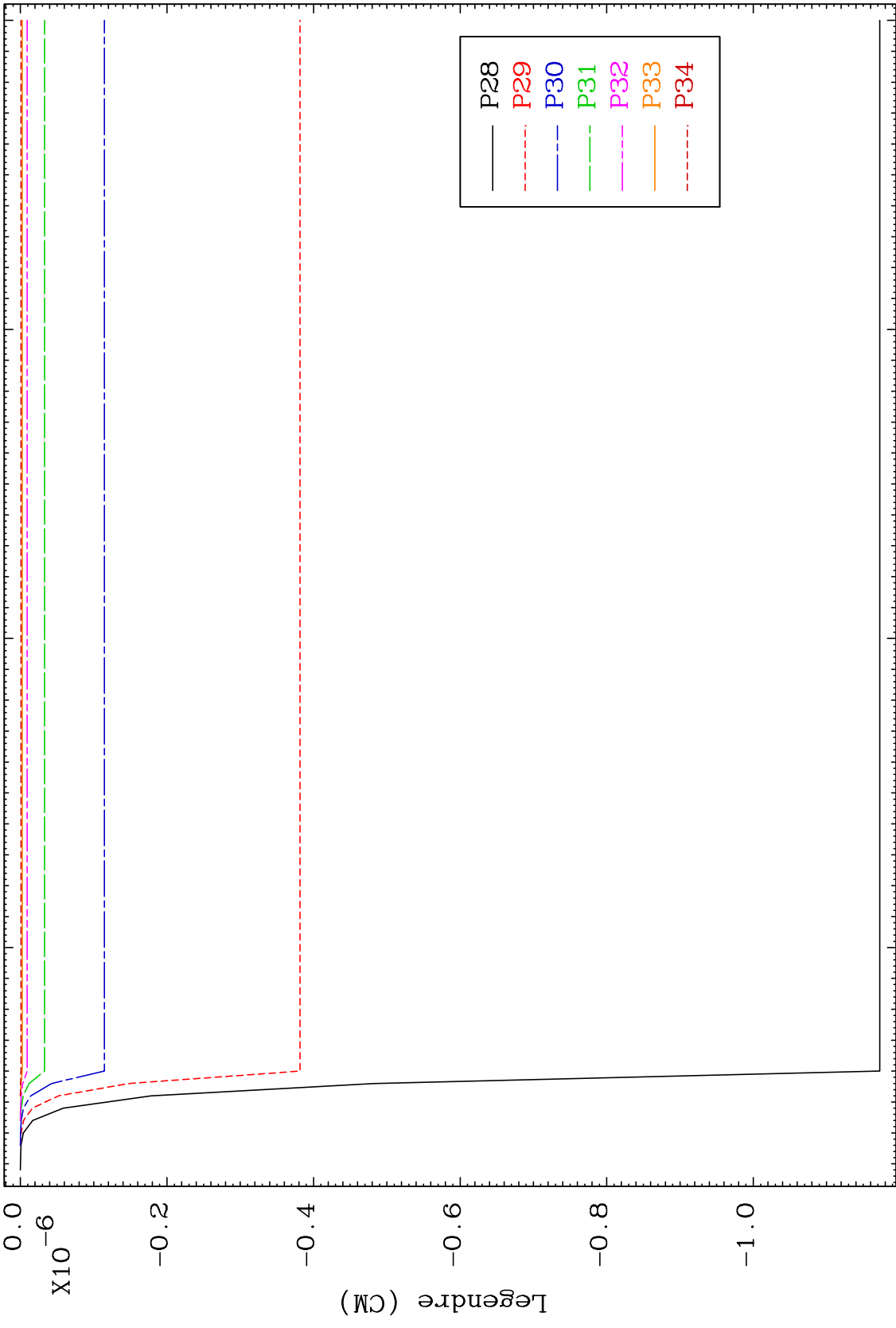
Incident Energy (MeV)

39-Y -94

MAT 3940 MT= 53 (n,n') Level Legendre Coefficients 39-Y -94

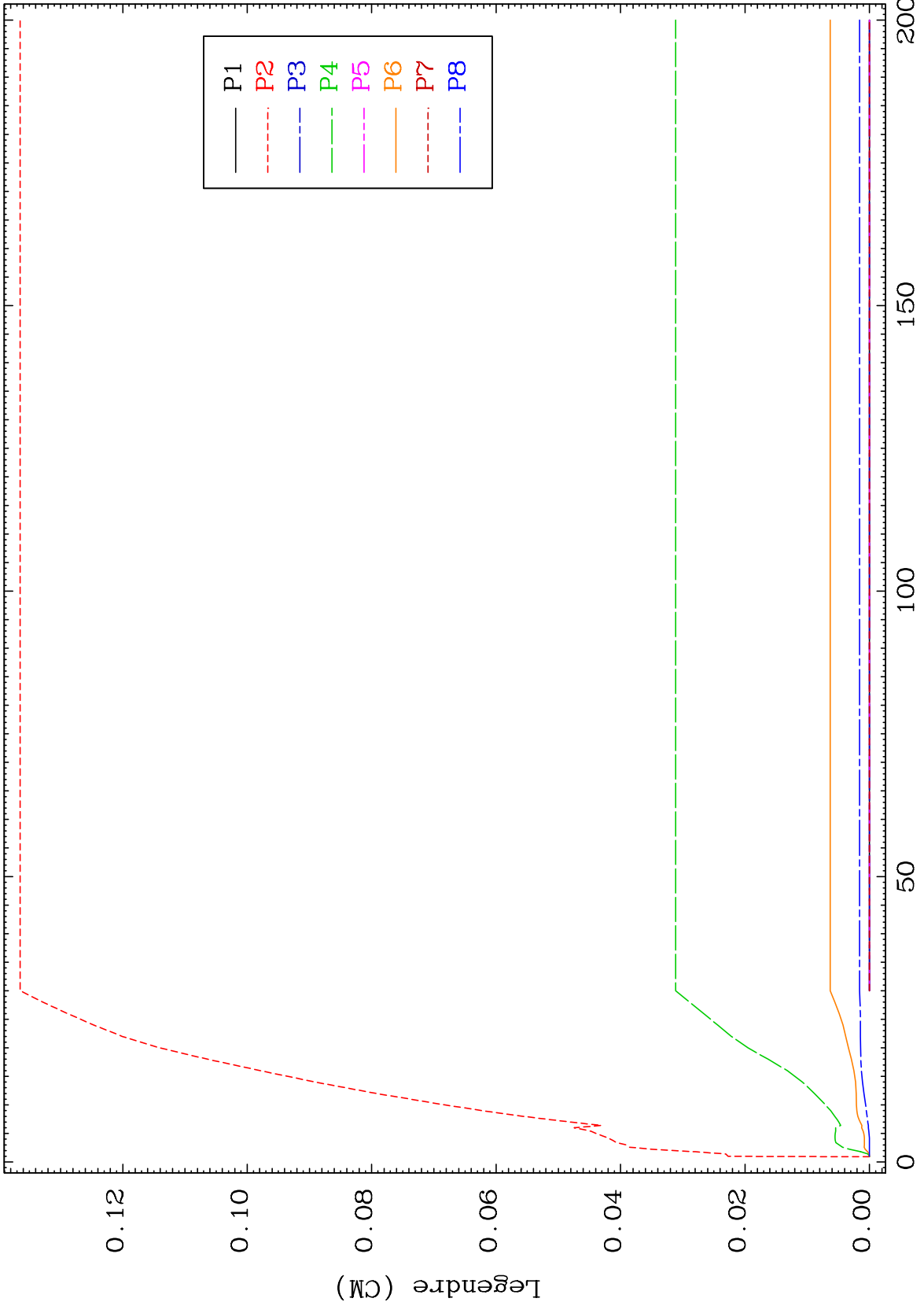


MAT 3940 MT= 53 (n,n') Level Legendre Coefficients 39-Y -94



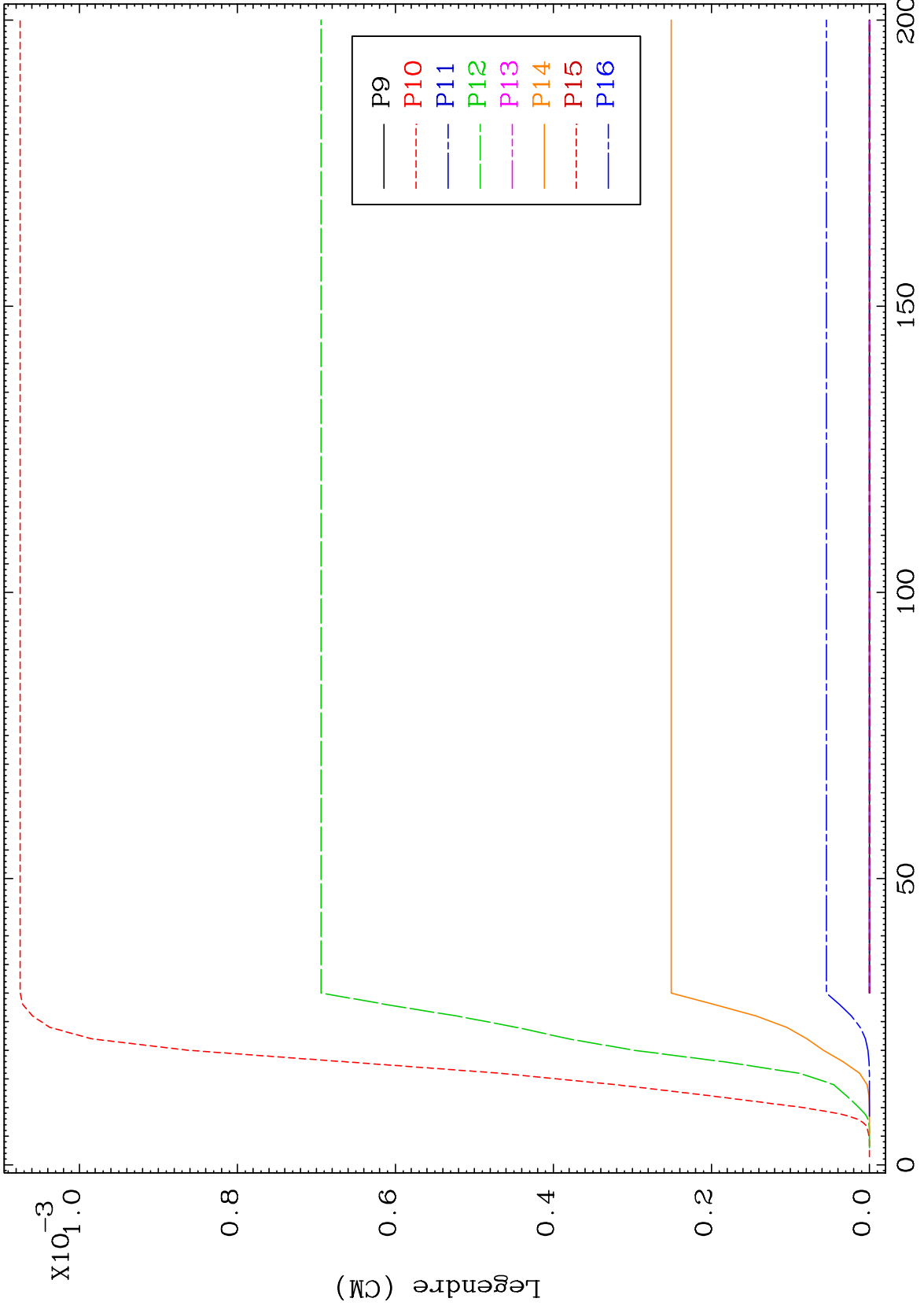
30 Incident Energy (MeV) 150 200 39-Y -94

MAT 3940 MT= 54 (n,n') Level Legendre Coefficients 39-Y -94



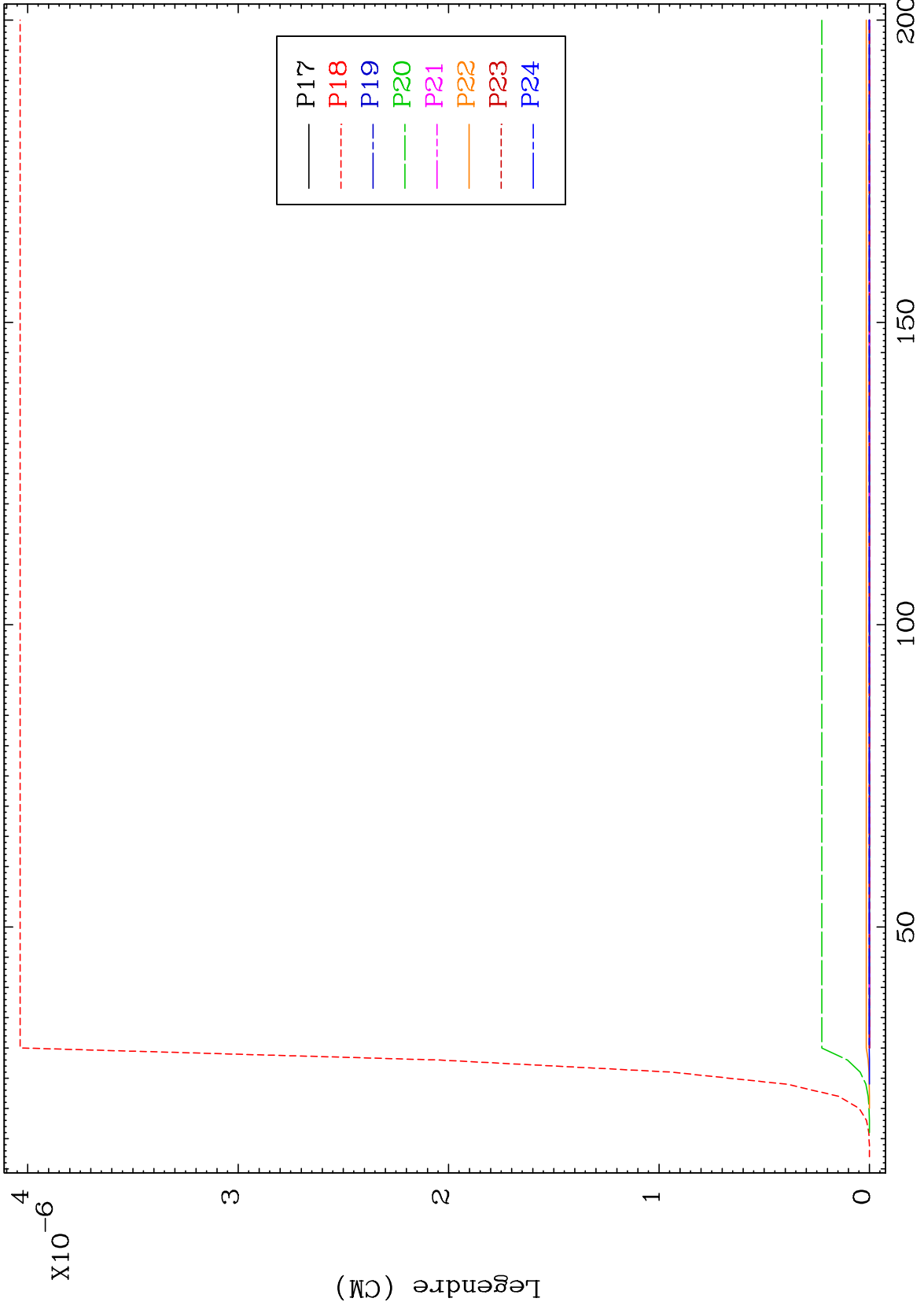
31 39-Y -94

MAT 3940 MT= 54 (n,n') Level Legendre Coefficients 39-Y -94



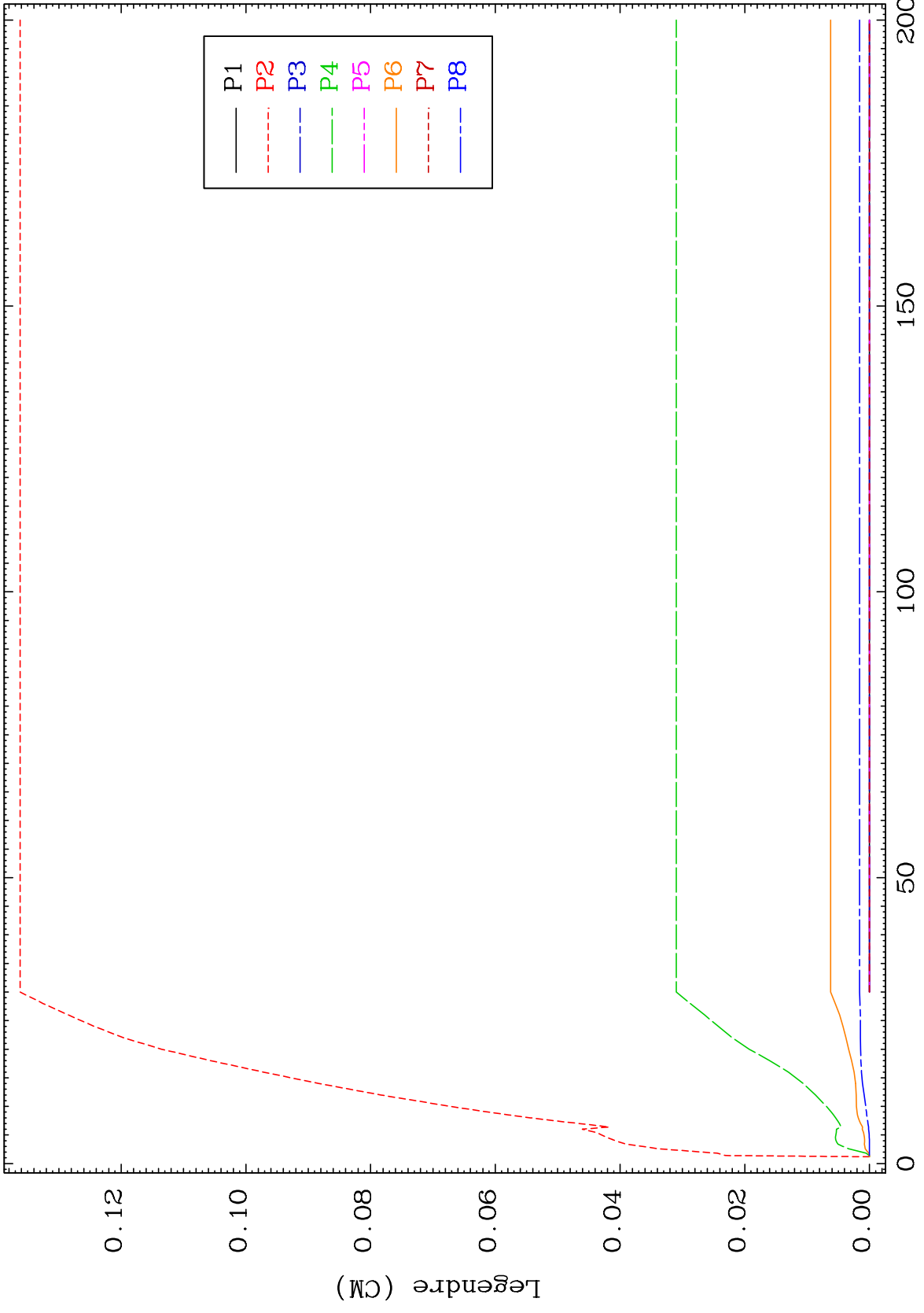
32 39-Y -94

MAT 3940 MT= 54 (n,n') Level Legendre Coefficients 39-Y -94



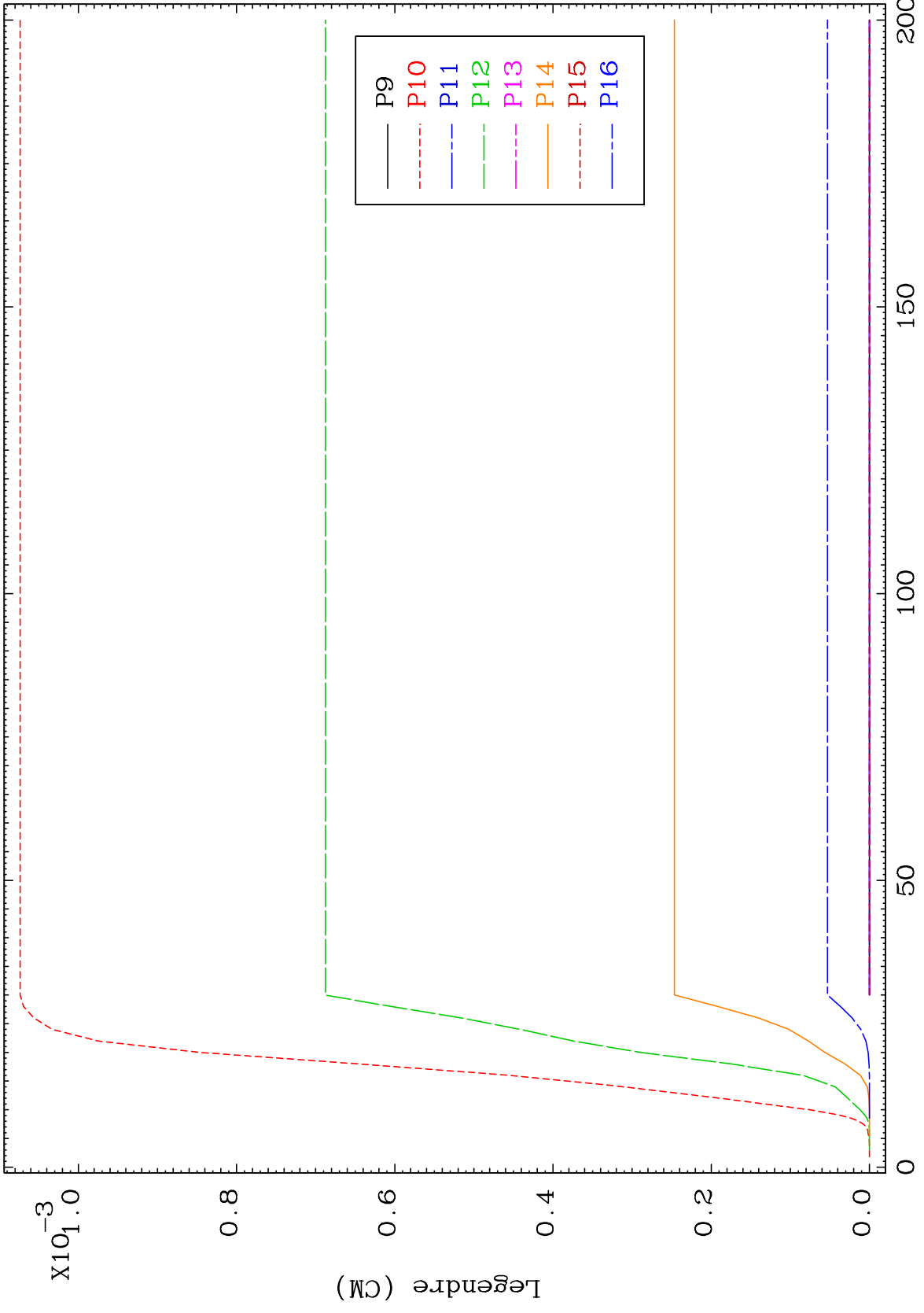
33 Incident Energy (MeV) 39-Y -94

MAT 3940 MT= 55 (n,n') Level Legendre Coefficients 39-Y -94



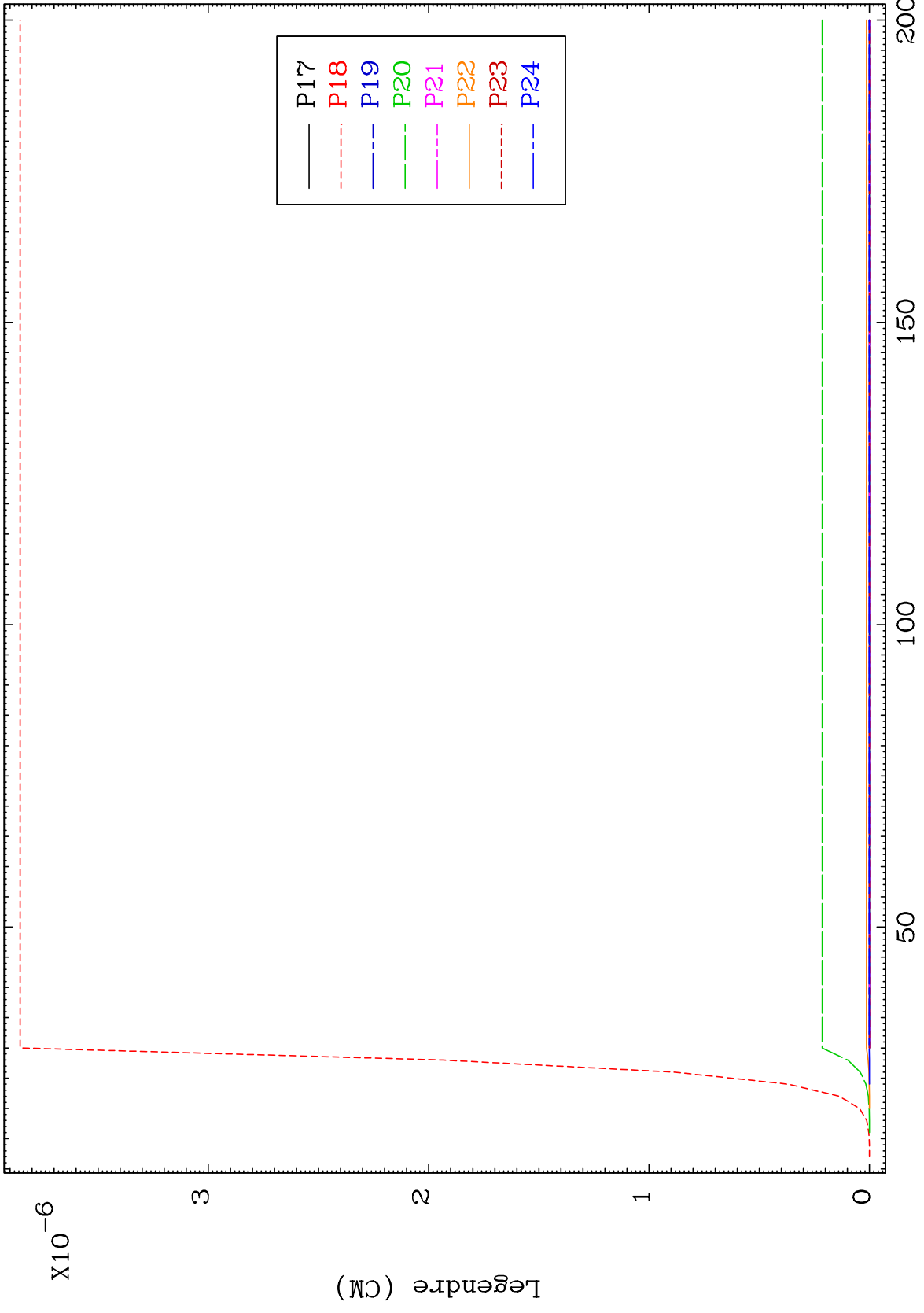
34 39-Y -94

MAT 3940 MT= 55 (n,n') Level Legendre Coefficients 39-Y -94



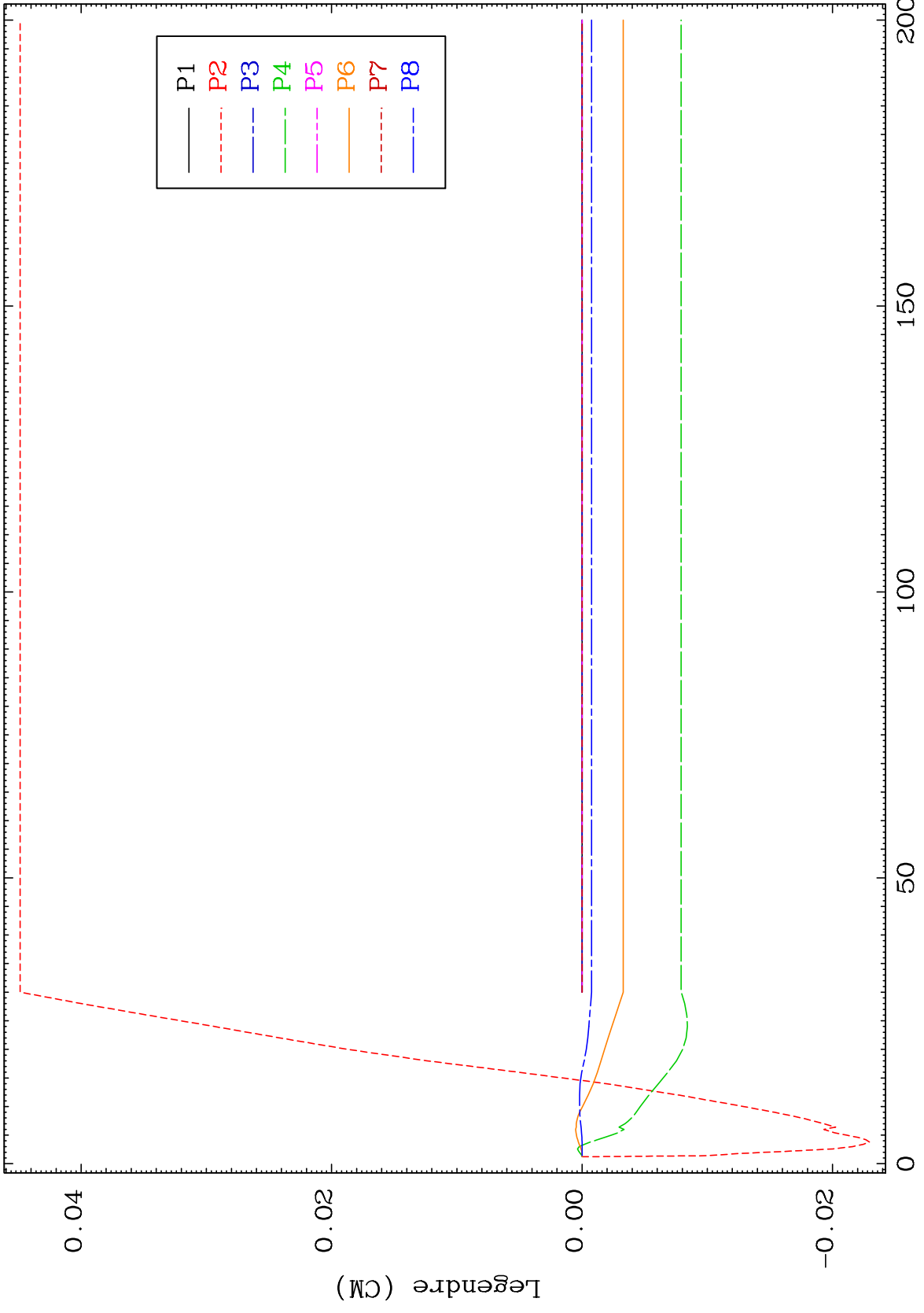
35 Incident Energy (MeV) 39-Y -94

MAT 3940 MT= 55 (n,n') Level Legendre Coefficients 39-Y -94



36 50 100 150 200 39-Y -94

MAT 3940 MT= 56 (n,n') Level Legendre Coefficients 39-Y -94

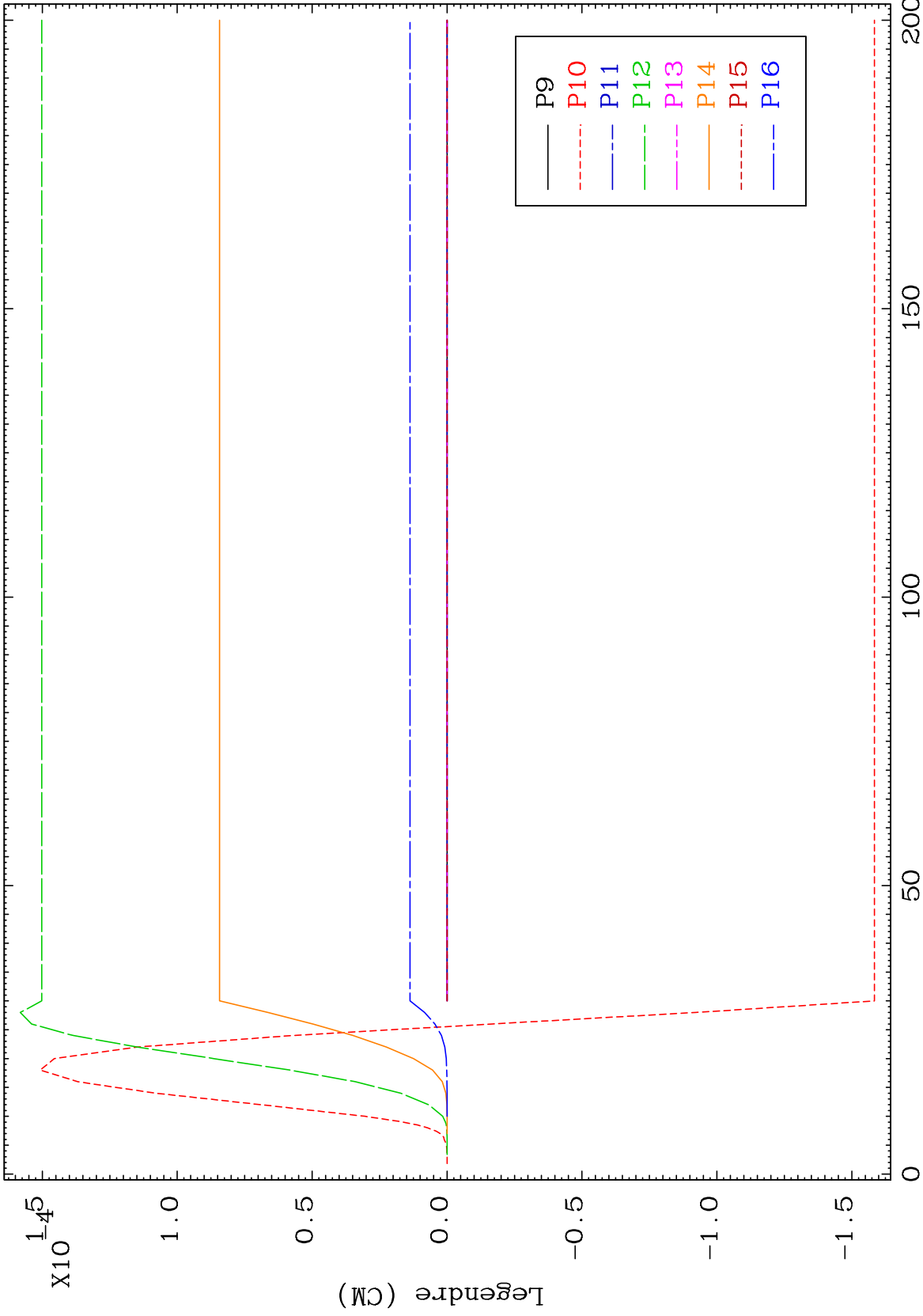


37 Incident Energy (MeV) 39-Y -94

MAT 3940

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

39-Y -94

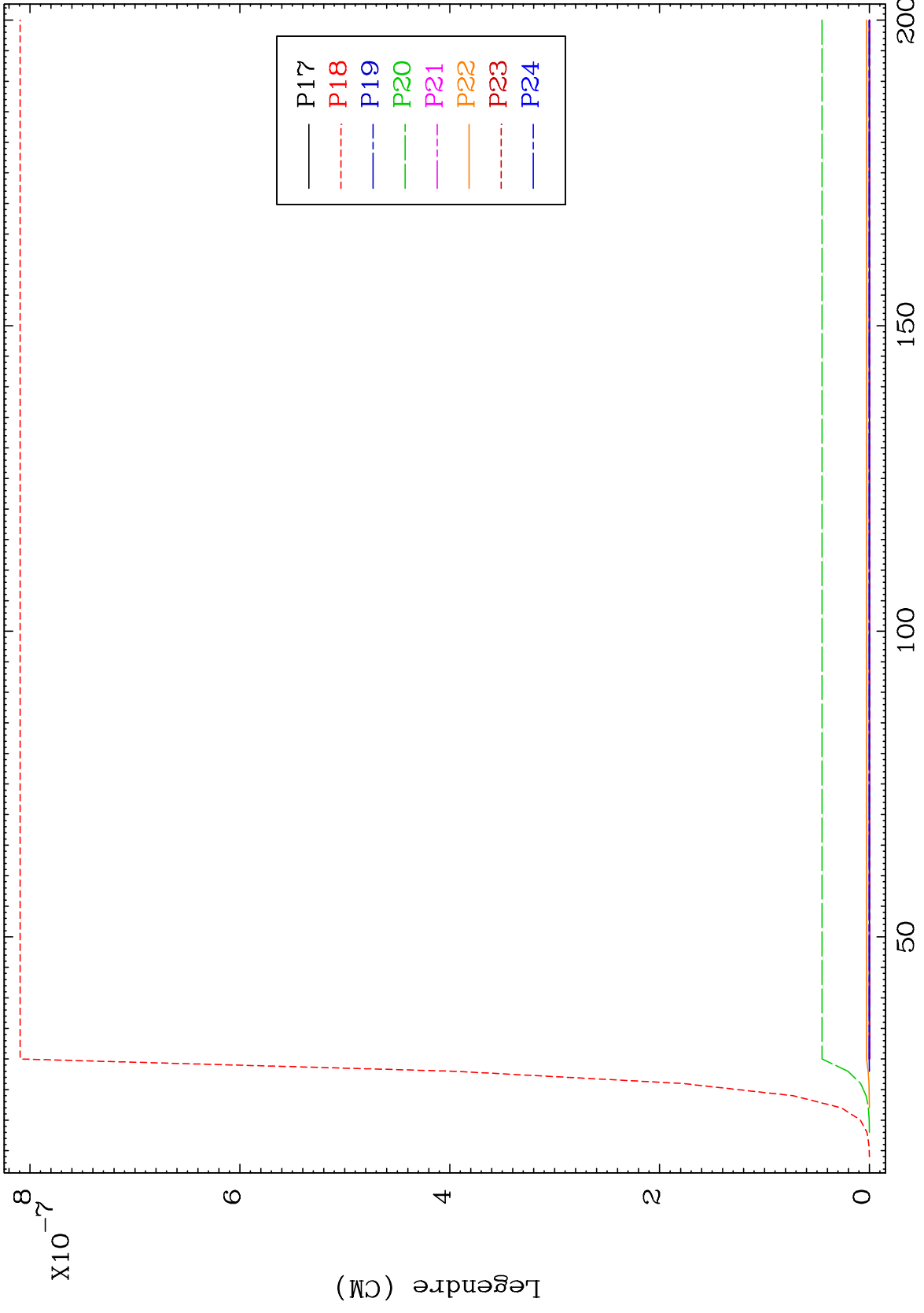


38

Incident Energy (MeV)

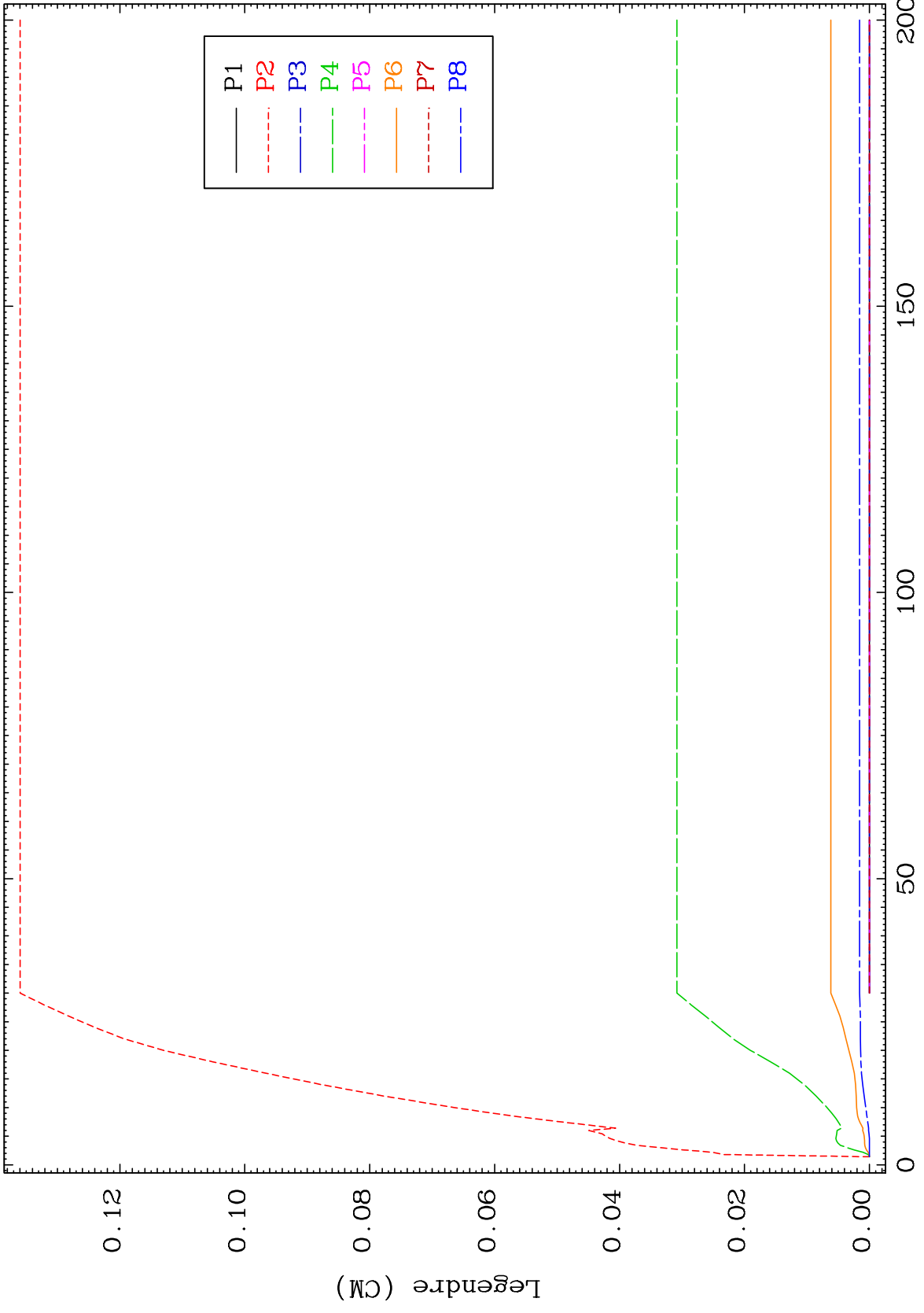
39-Y -94

MAT 3940 MT= 56 (n,n') Level Legendre Coefficients 39-Y -94



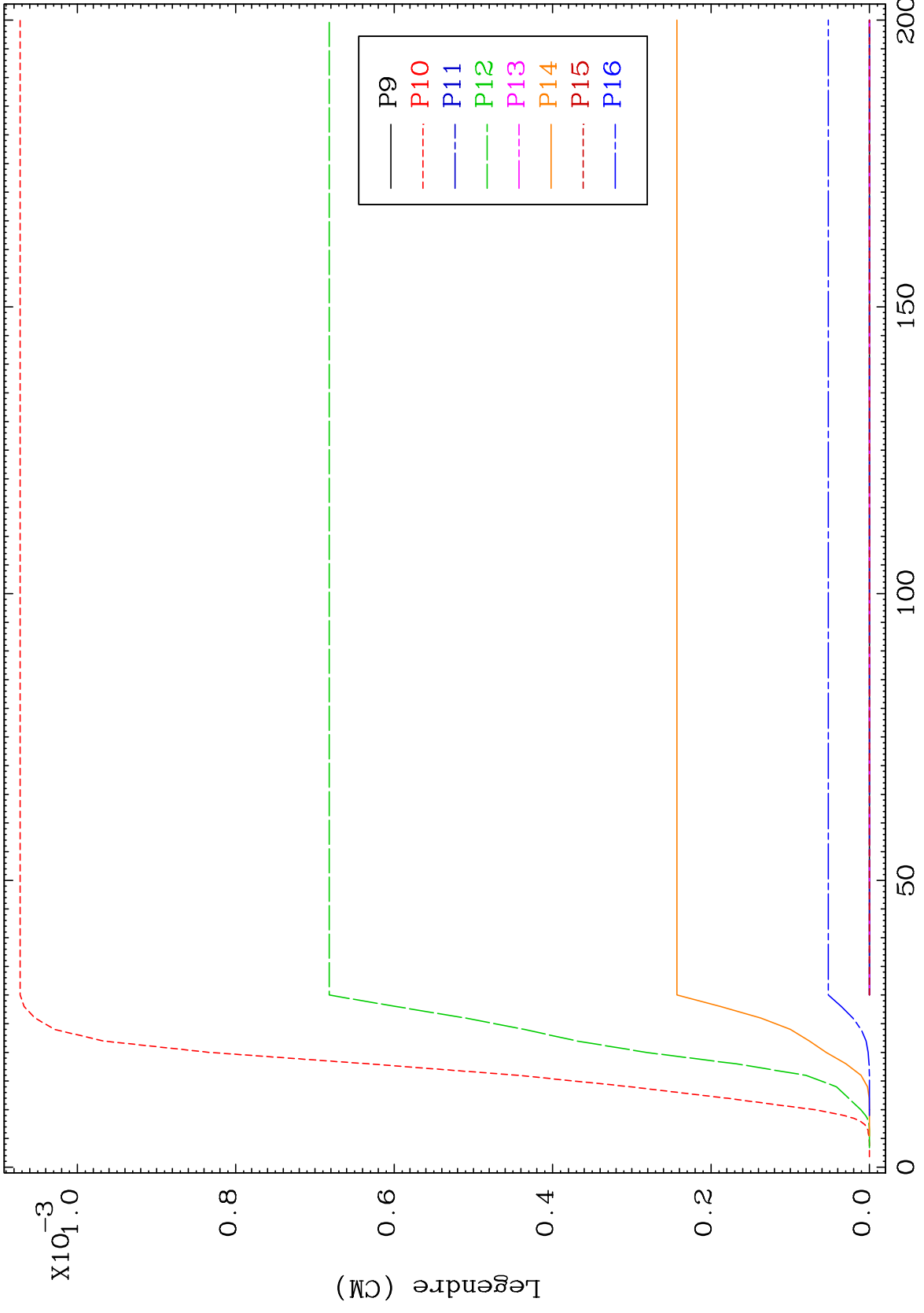
39 39-Y -94

MAT 3940 MT= 57 (n,n') Level Legendre Coefficients 39-Y -94



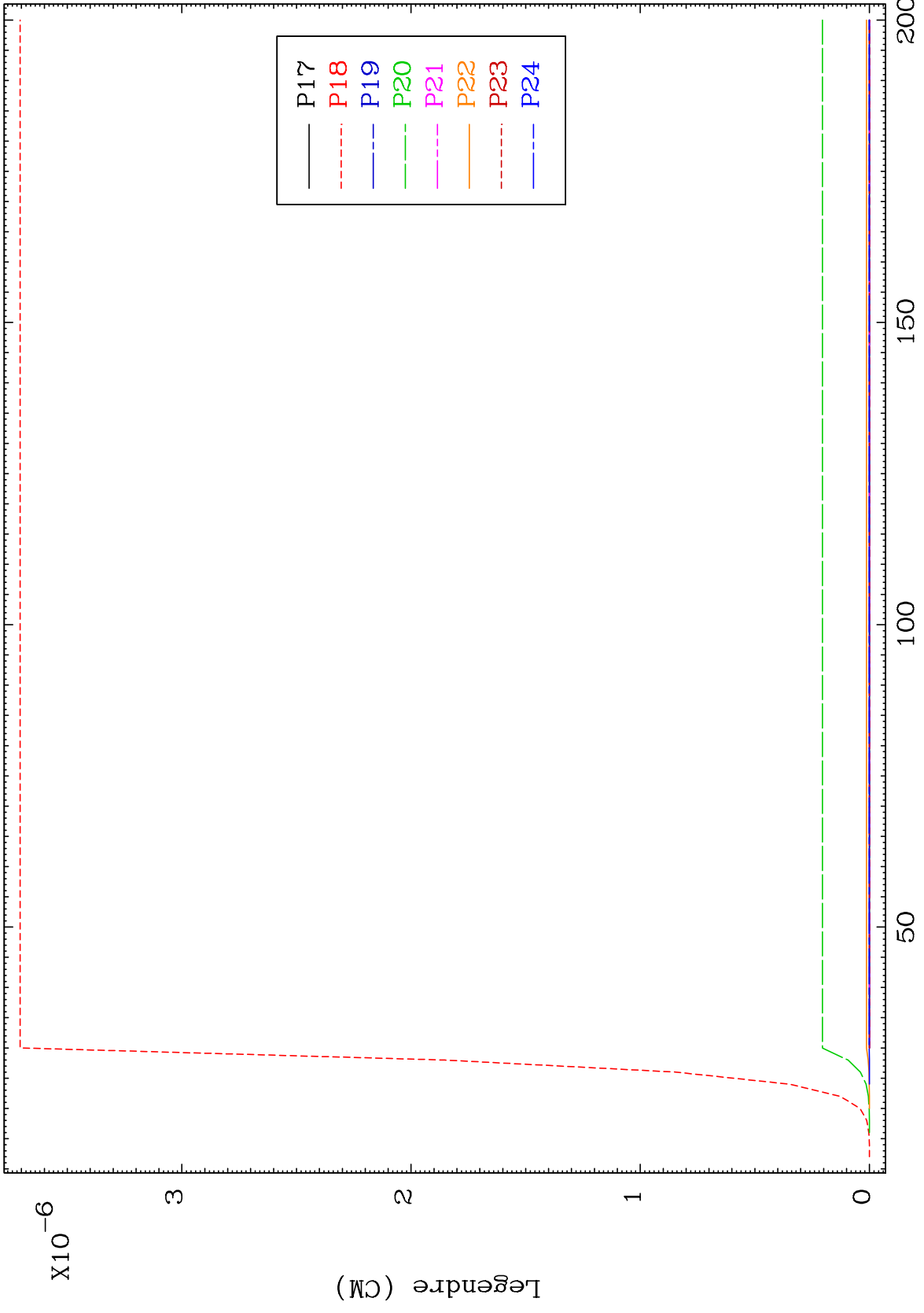
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MAT 3940 MT= 57 (n,n') Level Legendre Coefficients 39-Y -94



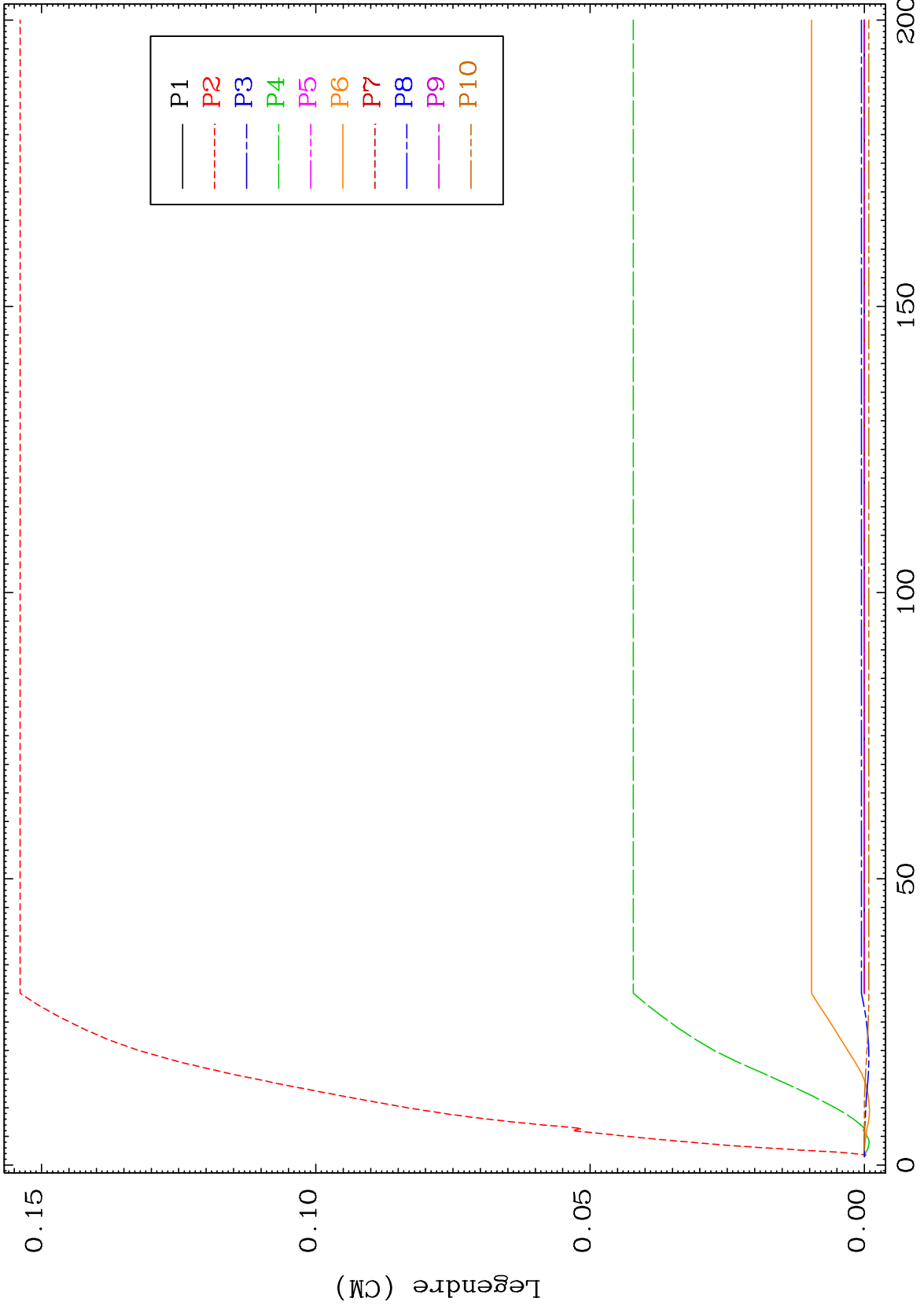
41 39-Y -94

MAT 3940 MT= 57 (n,n') Level Legendre Coefficients 39-Y -94



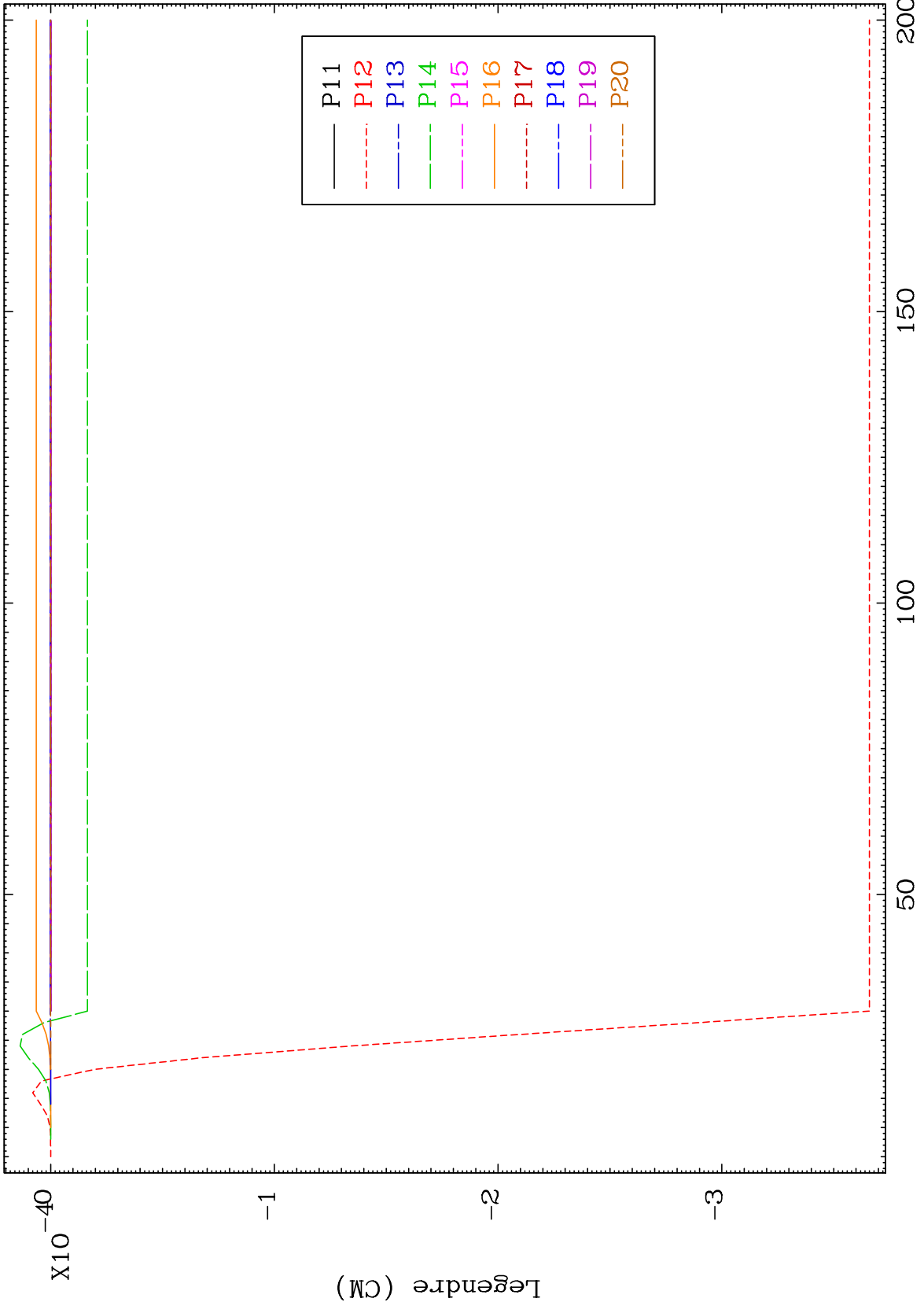
42 Incident Energy (MeV) 39-Y -94

MAT 3940 MT= 58 (n,n') Level Legendre Coefficients 39-Y -94



43 39-Y -94

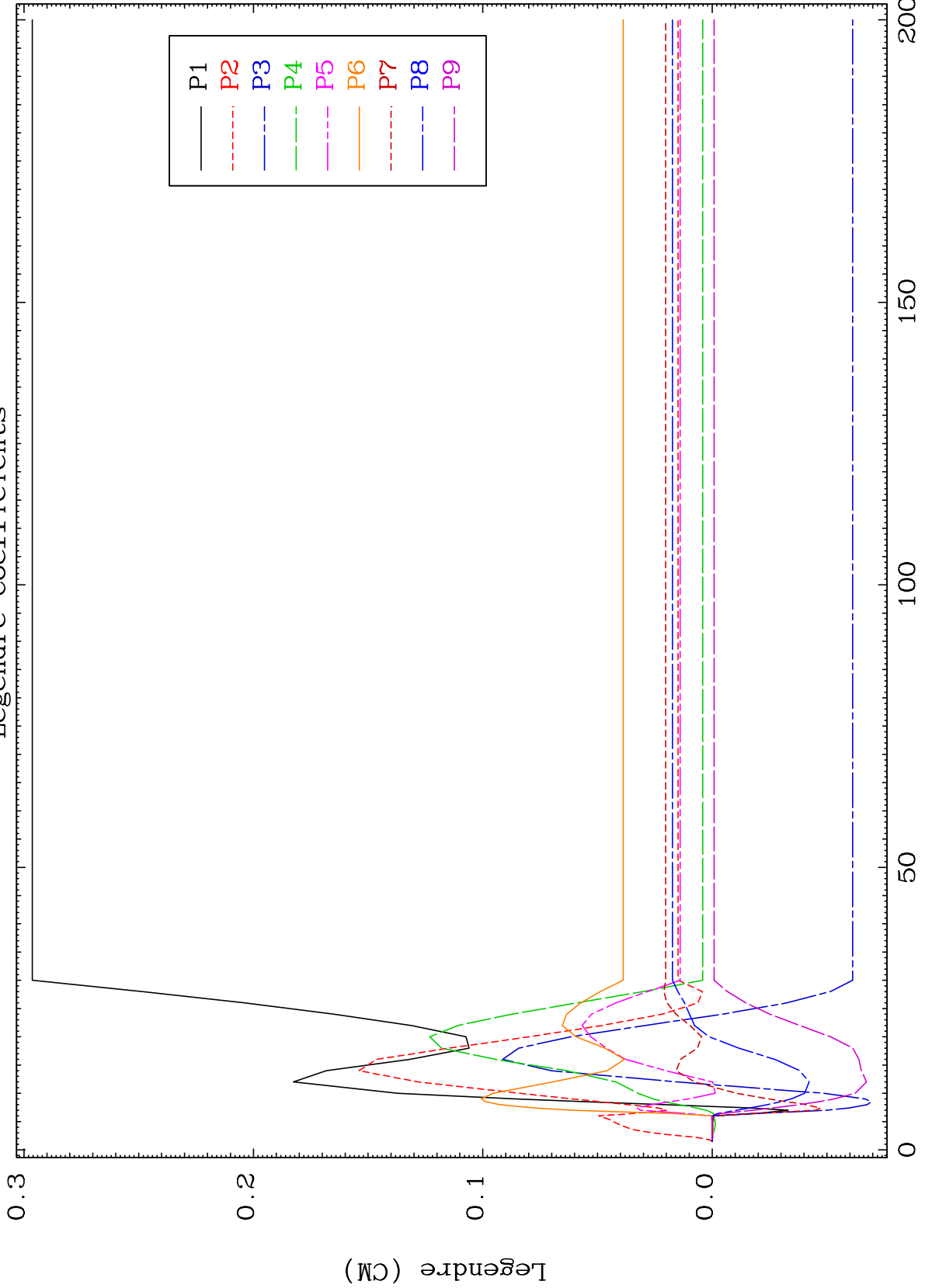
MAT 3940 MT= 58 (n,n') Level Legendre Coefficients 39-Y -94



MAT 3940 MT= 59 (n,n') Level Legendre Coefficients

39-Y -94

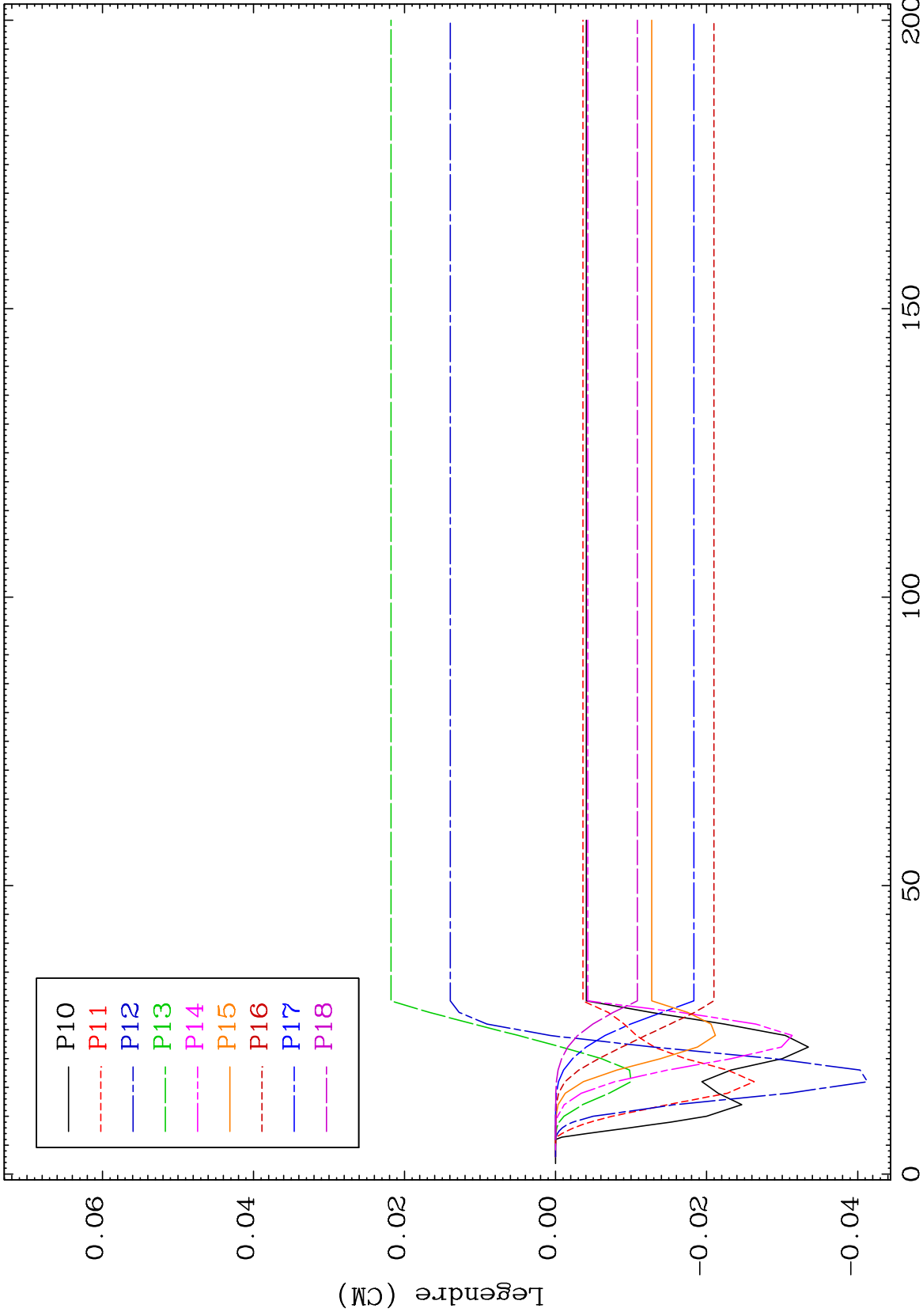
39-Y -94



MAT 3940

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

39-Y -94

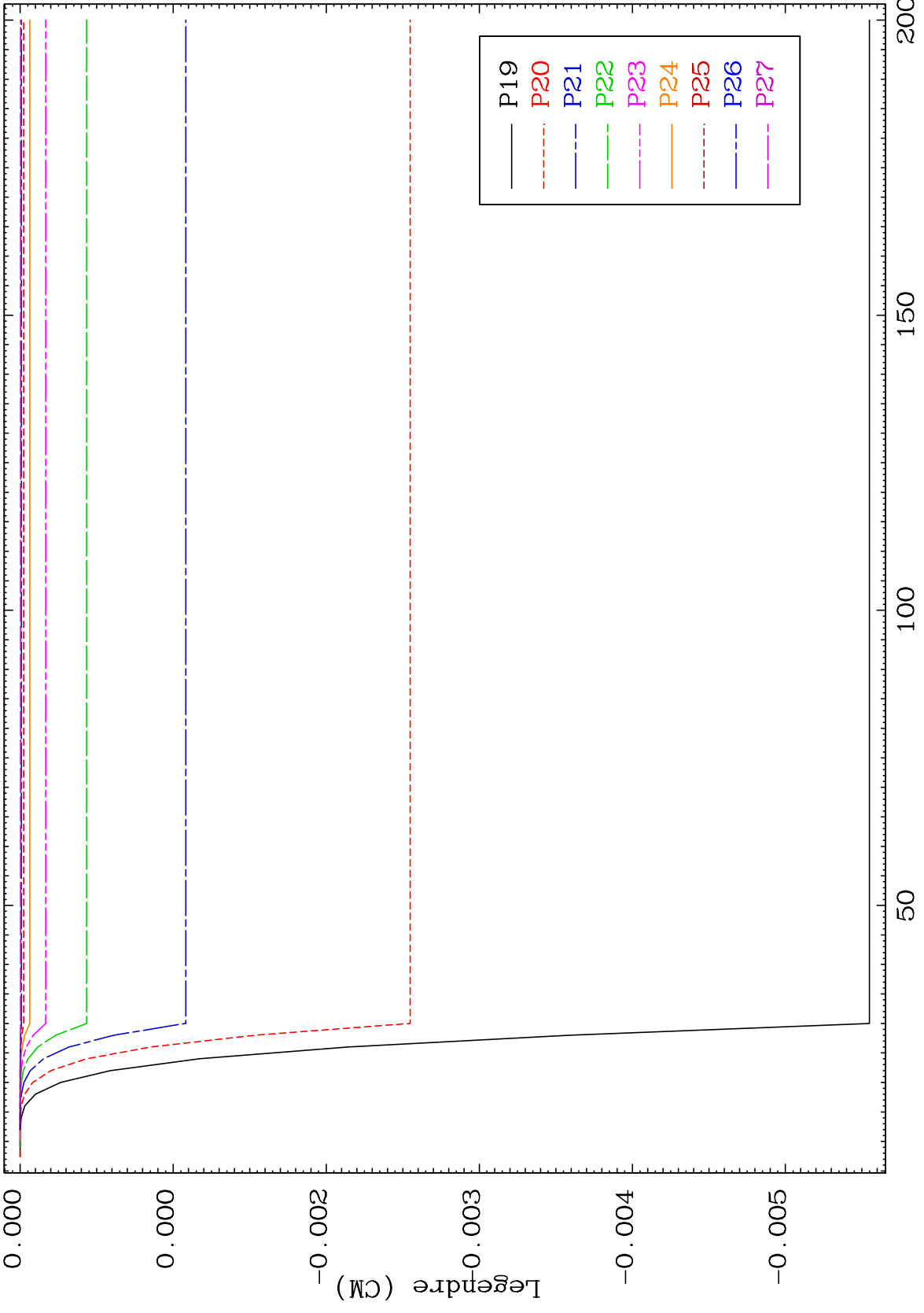


46

Incident Energy (MeV)

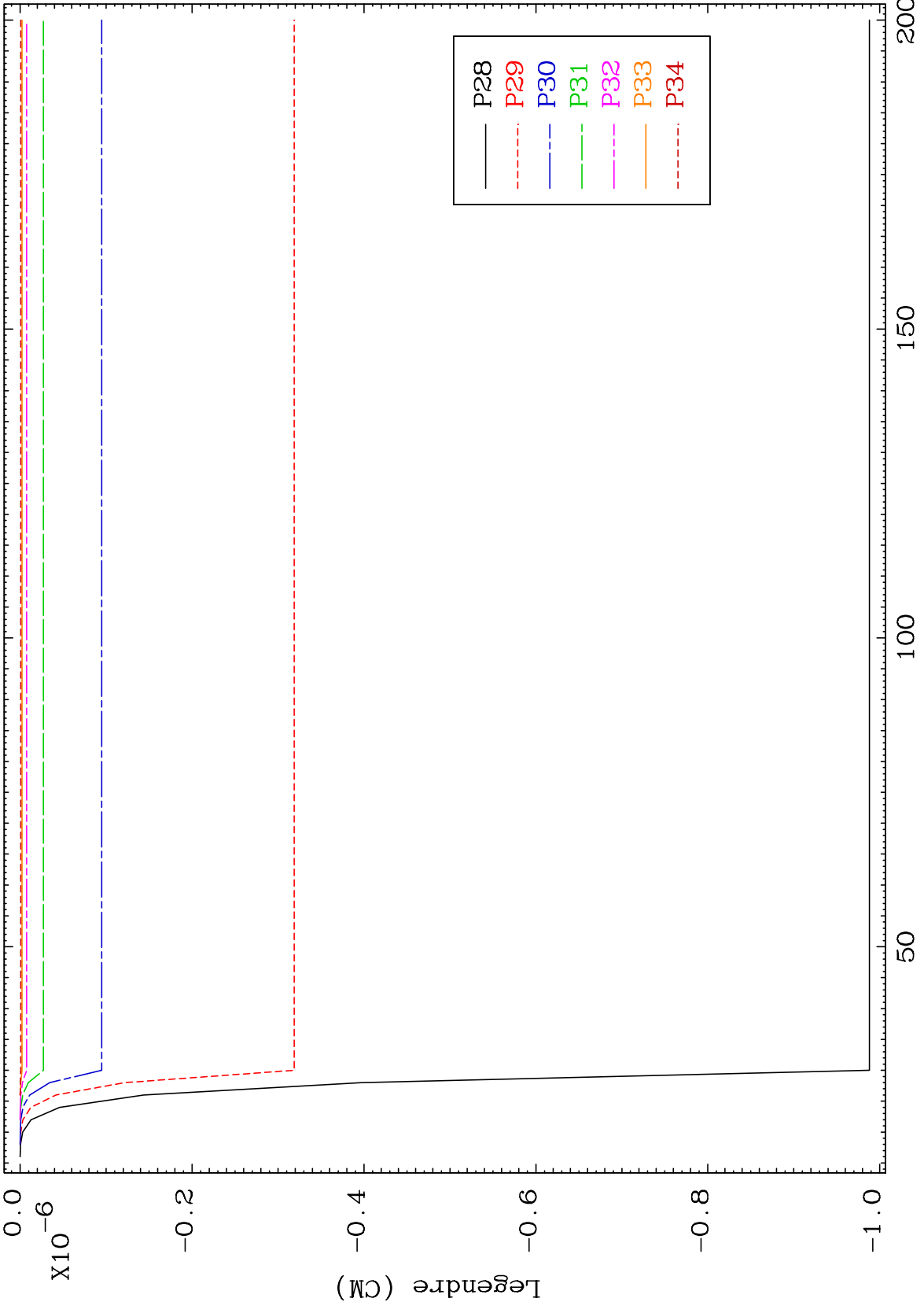
39-Y -94

MAT 3940 MT= 59 (n,n') Level Legendre Coefficients 39-Y -94



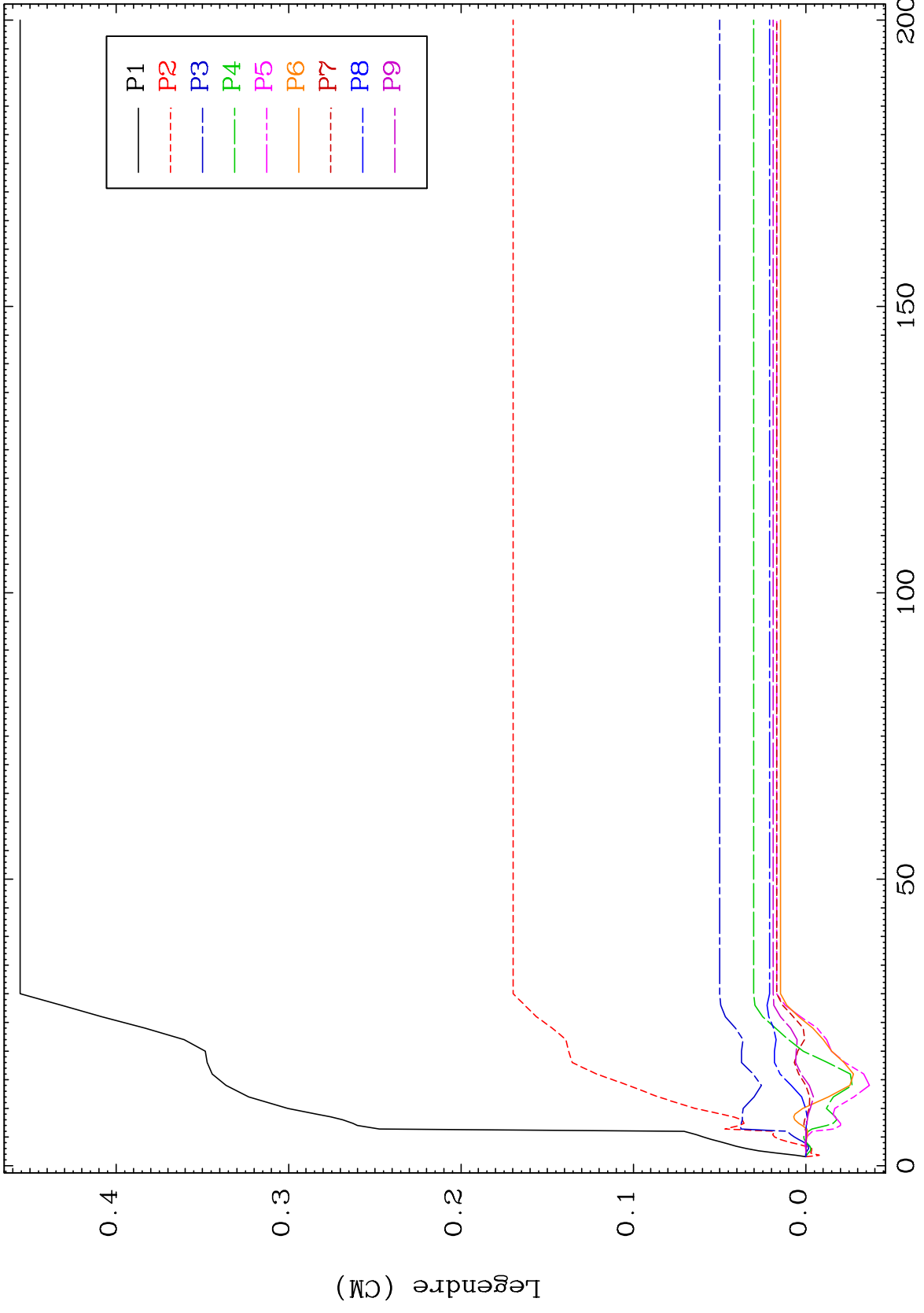
47 Incident Energy (MeV) 39-Y -94

MAT 3940 MT= 59 (n,n') Level Legendre Coefficients 39-Y -94



48 Incident Energy (MeV) 39-Y -94

MAT 3940 MT= 60 (n,n') Level Legendre Coefficients 39-Y -94

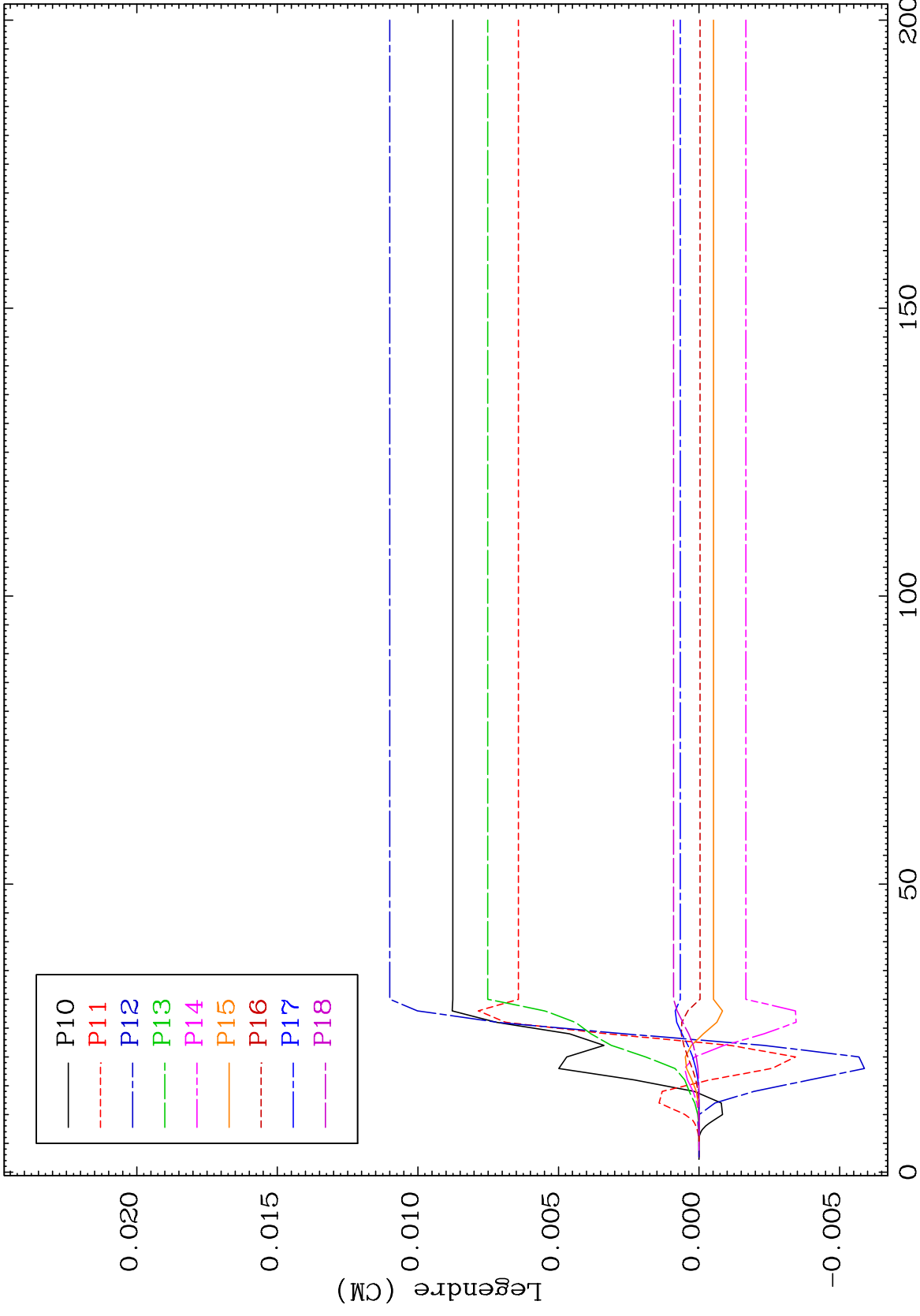


49 Incident Energy (MeV) 39-Y -94

MAT 3940

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

39-Y -94



50

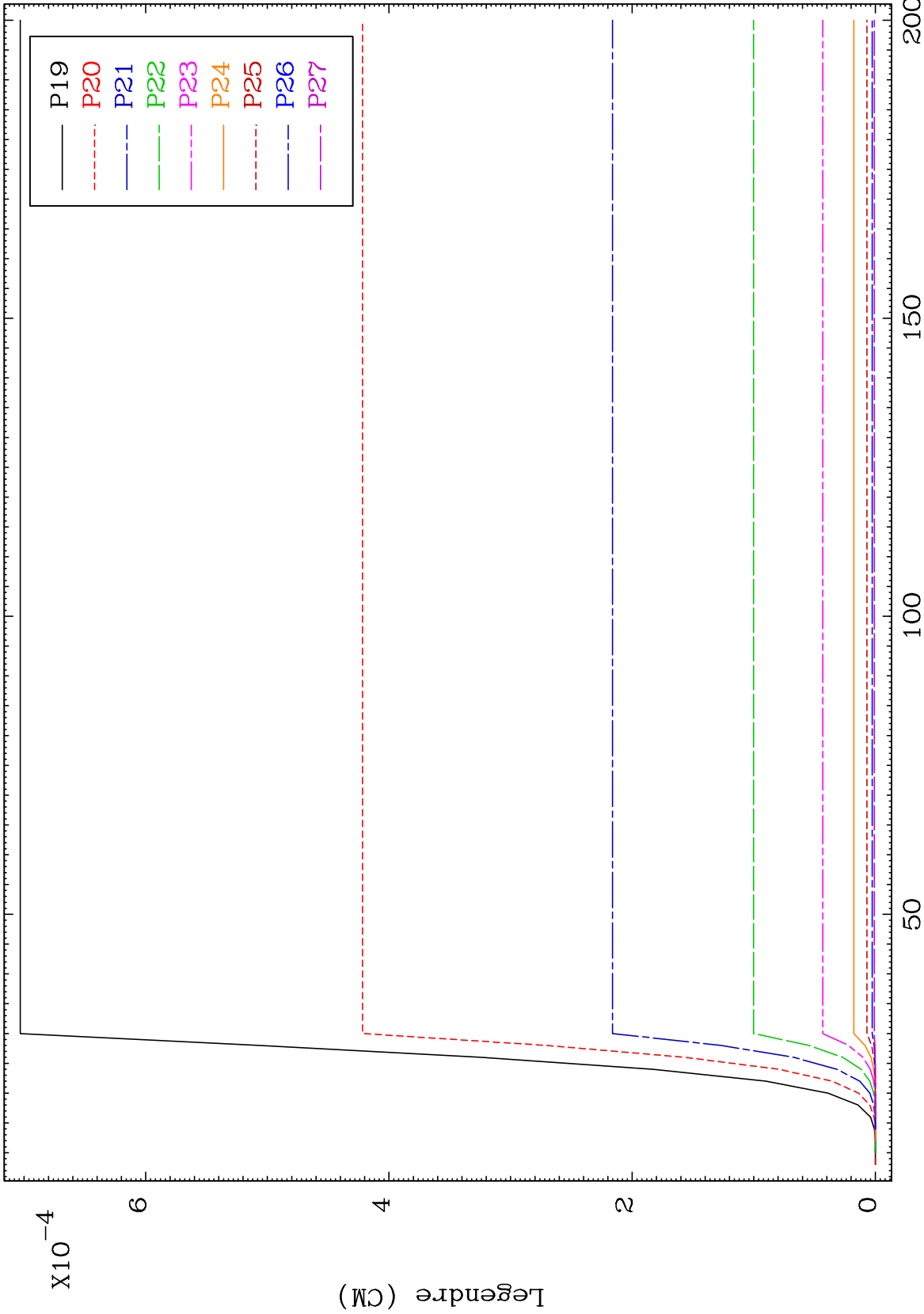
Incident Energy (MeV)

39-Y -94

MAT 3940

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

39-Y -94



51

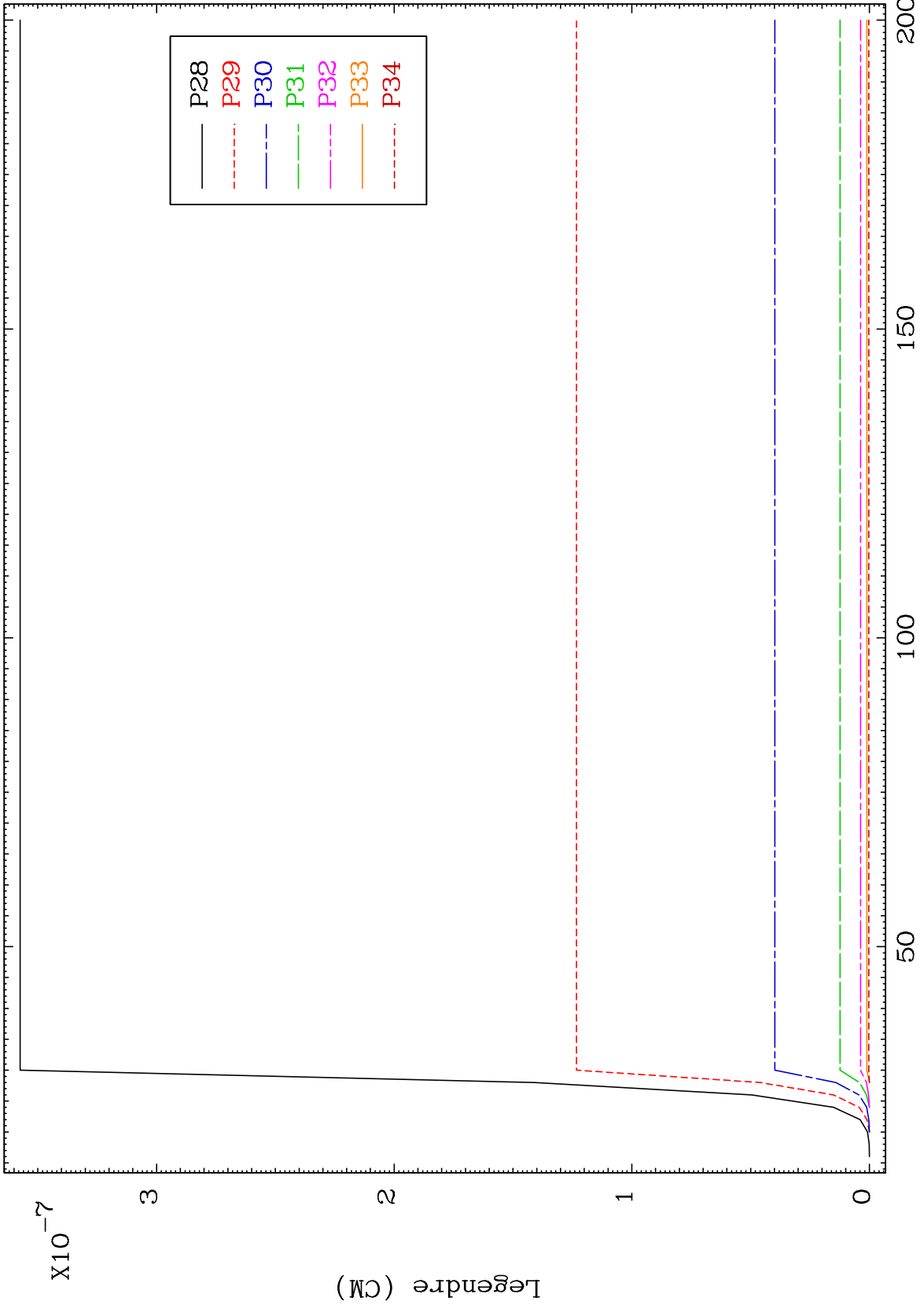
Incident Energy (MeV)

39-Y -94

MAT 3940

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

39-Y -94

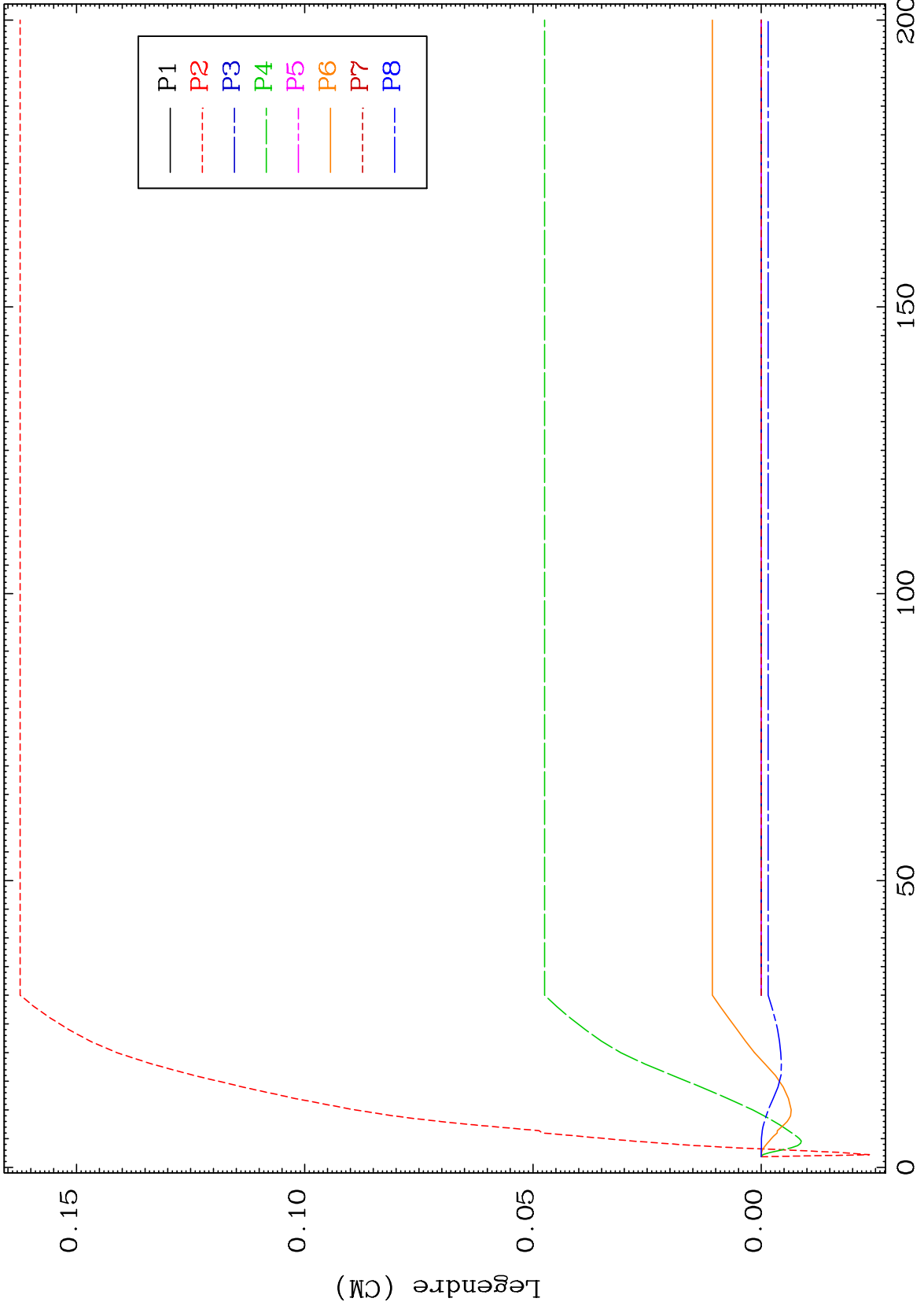


52

Incident Energy (MeV)

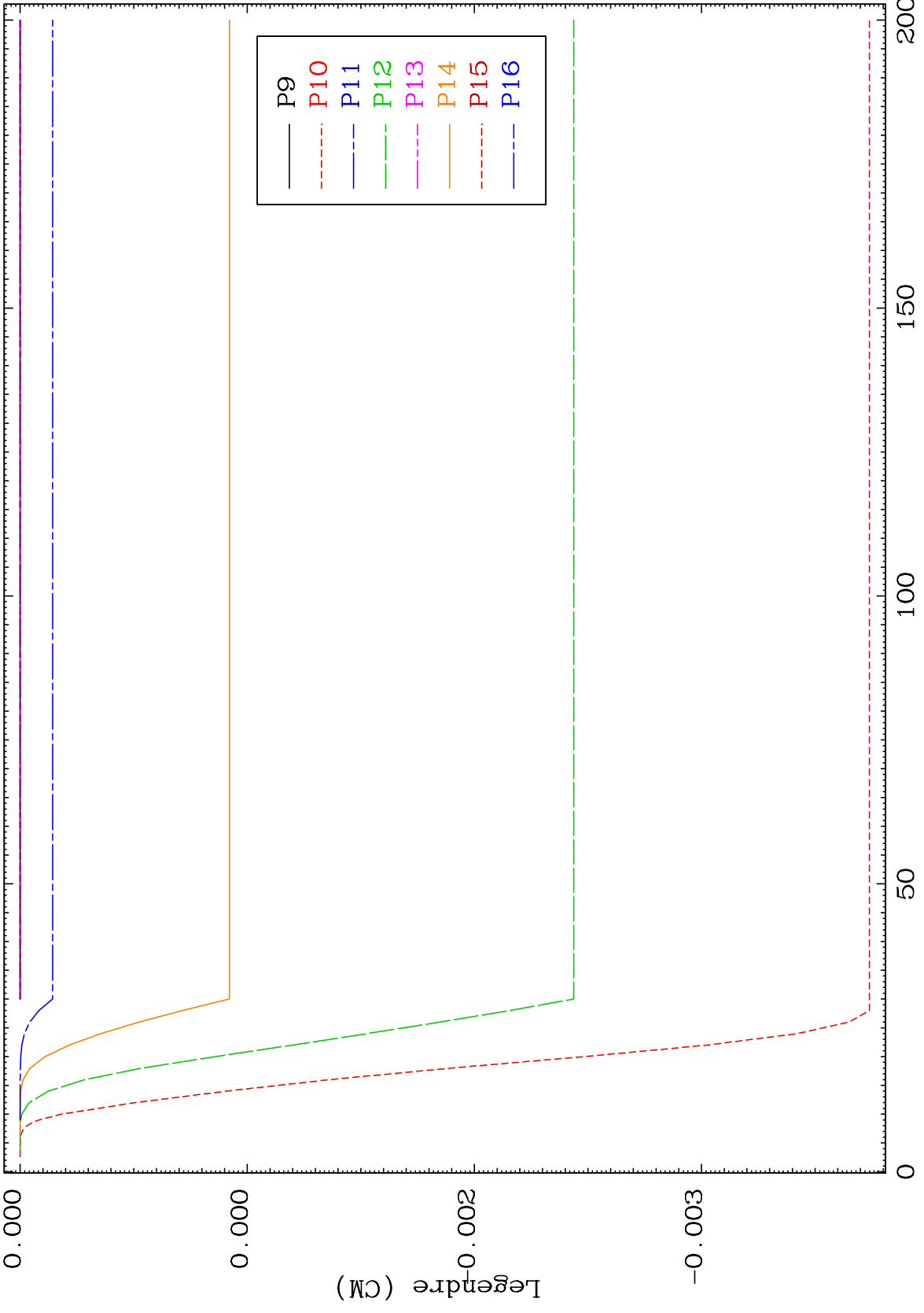
39-Y -94

MAT 3940 MT= 61 (n,n') Level Legendre Coefficients 39-Y -94



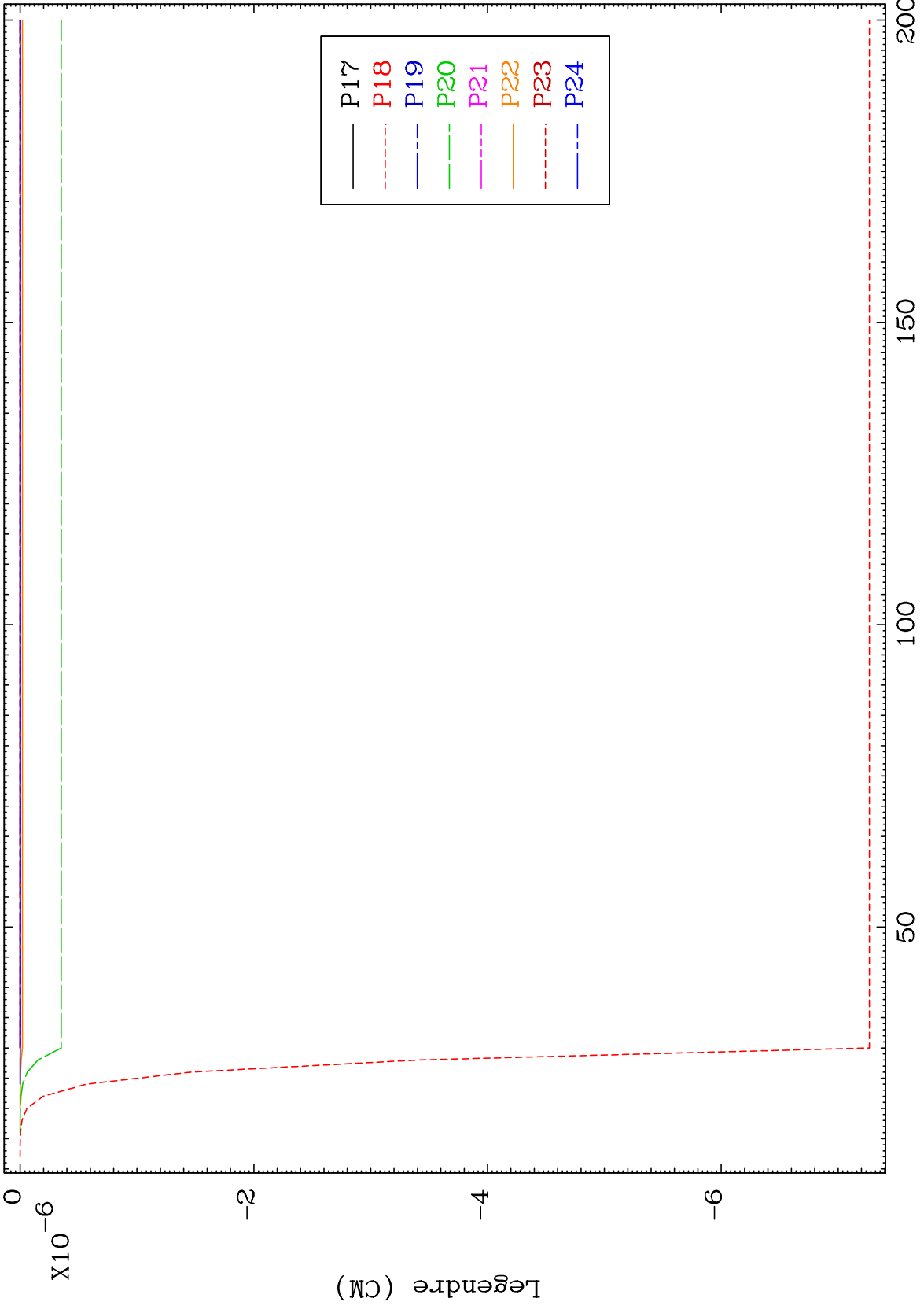
53 39-Y -94

MAT 3940 MT= 61 (n,n') Level Legendre Coefficients 39-Y -94



54 39-Y -94

MAT 3940 MT= 61 (n,n') Level Legendre Coefficients 39-Y -94

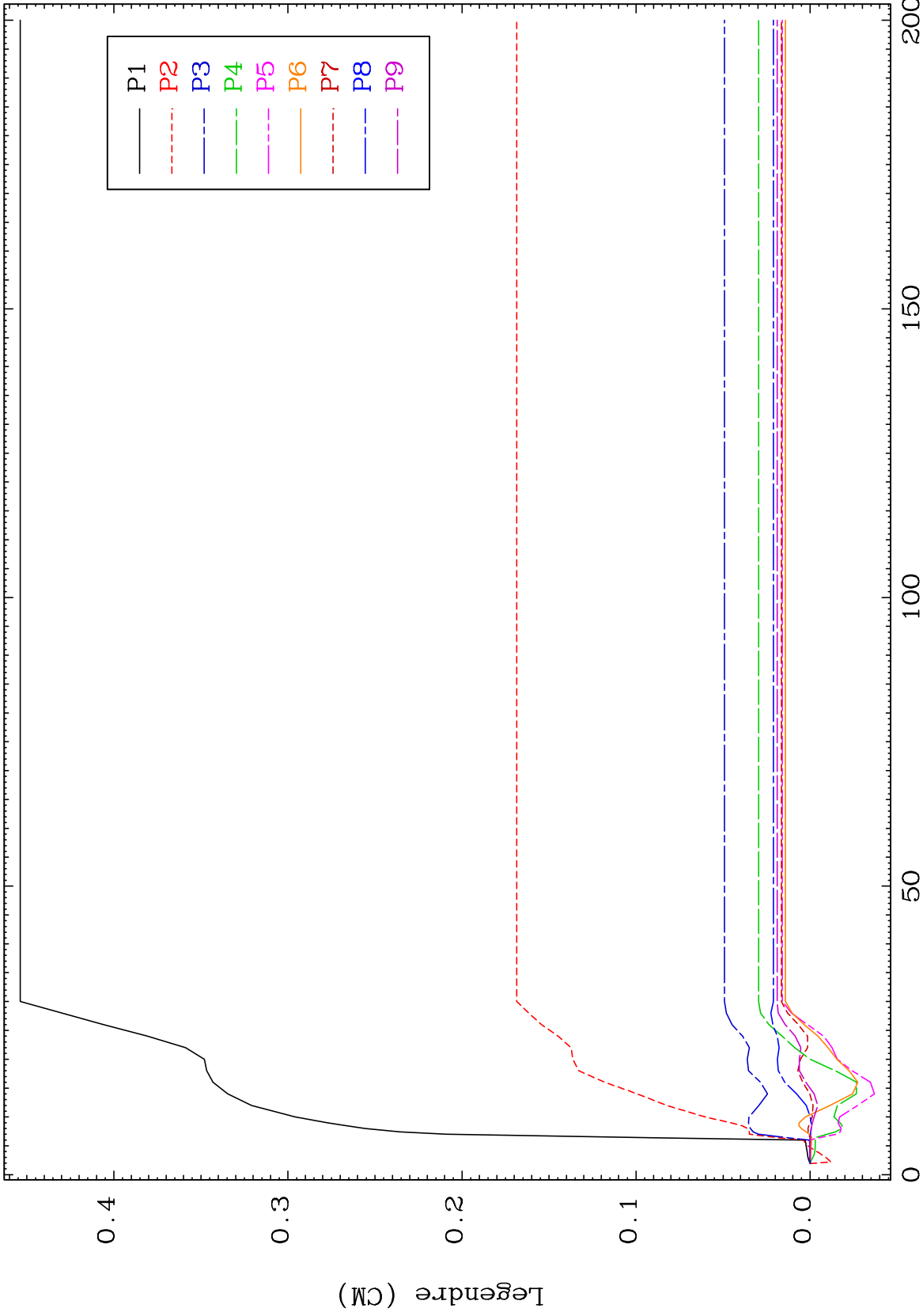


55 100 150 200 39-Y -94

MAT 3940

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

39-Y -94



56

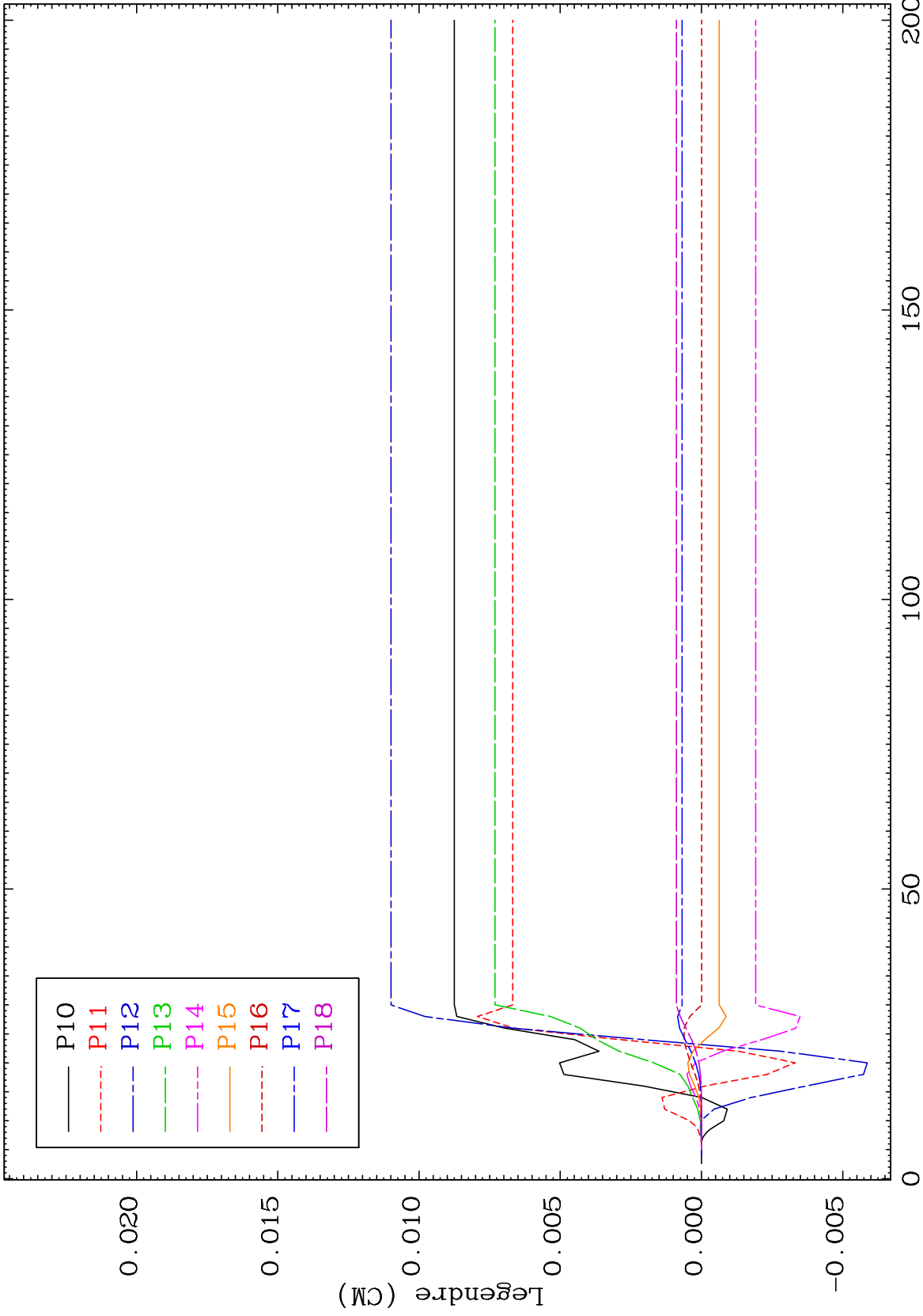
Incident Energy (MeV)

39-Y -94

MAT 3940

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

39-Y -94

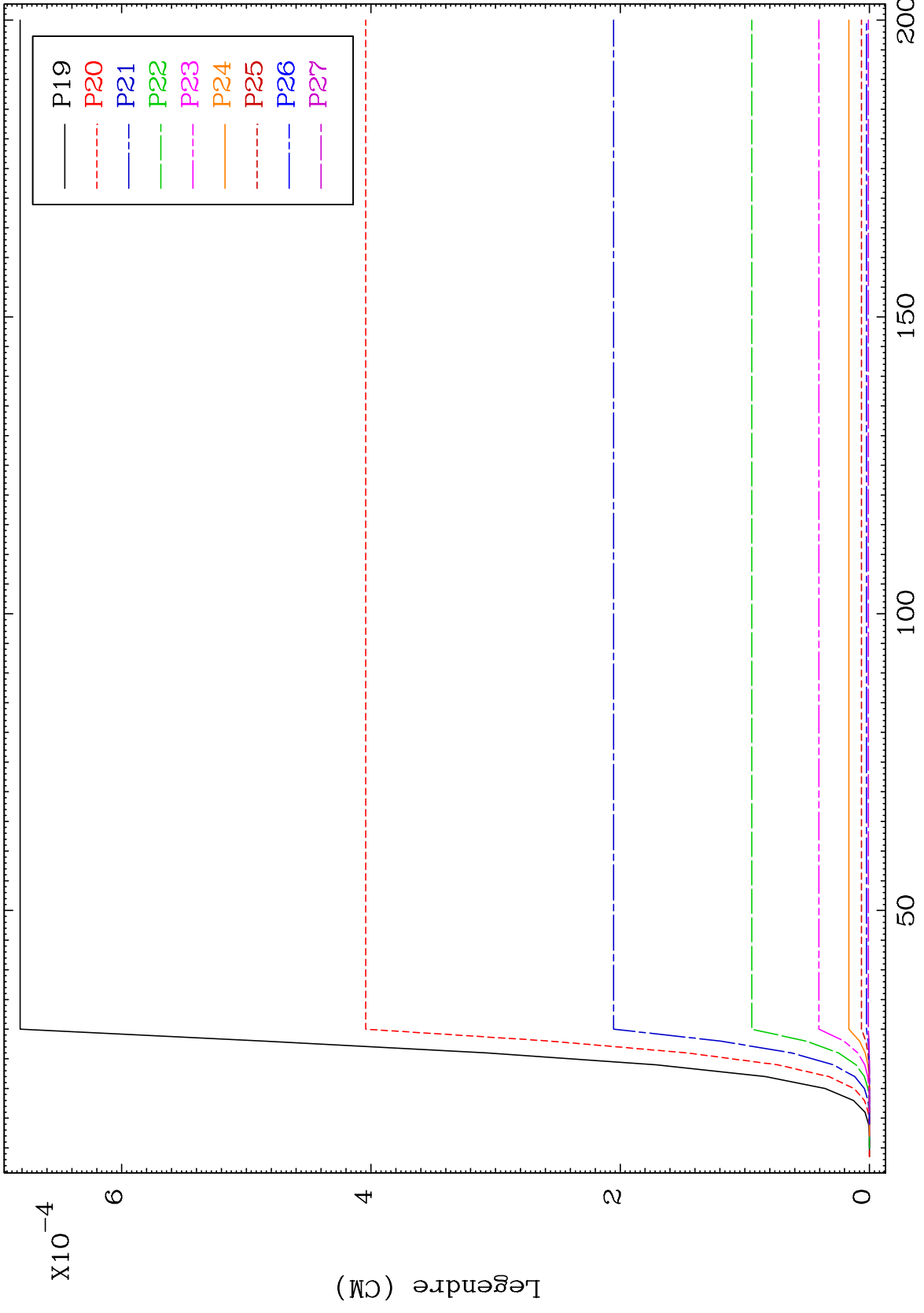


57

Incident Energy (MeV)

39-Y -94

MAT 3940 MT= 62 (n,n') Level Legendre Coefficients 39-Y -94

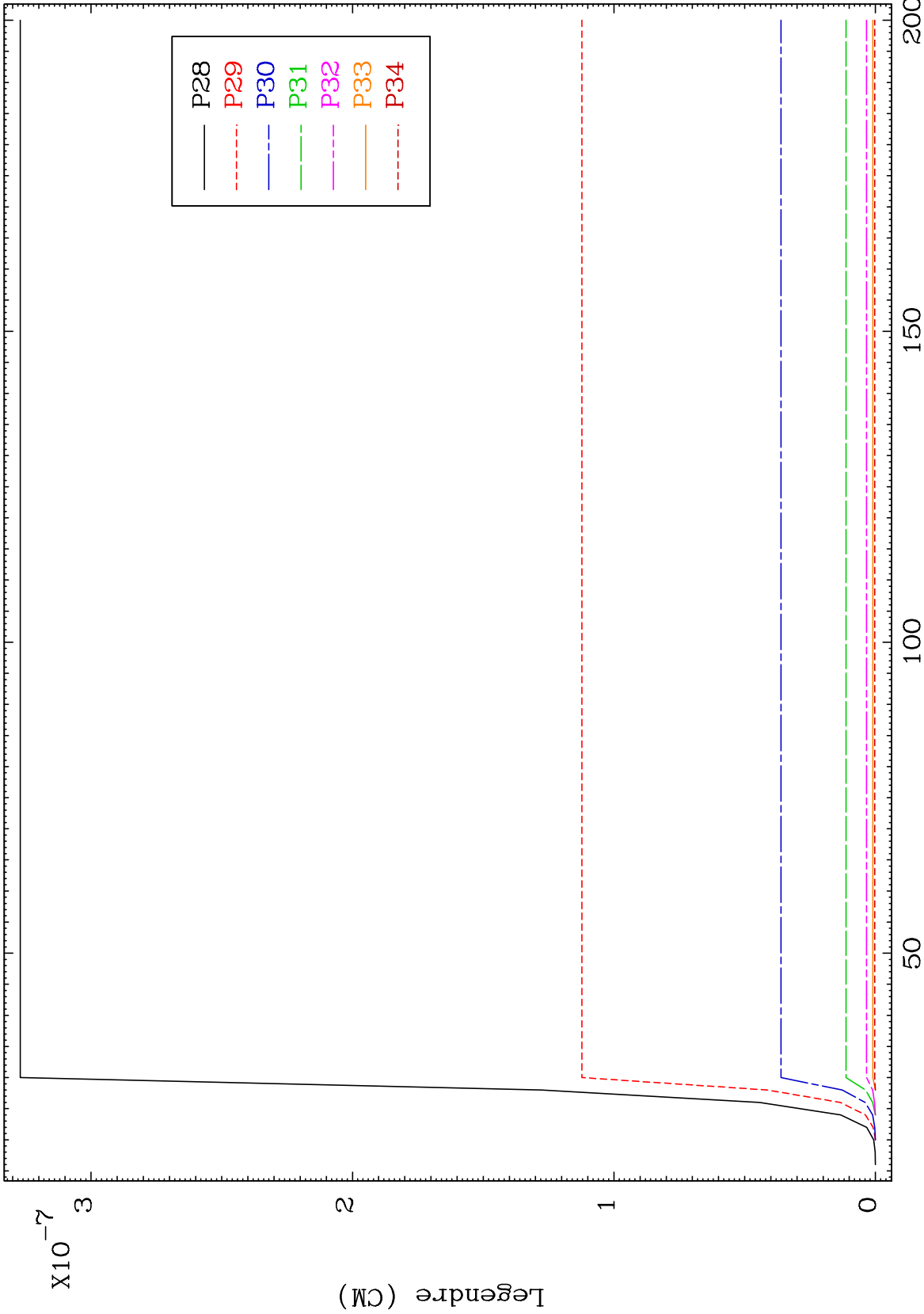


58 Incident Energy (MeV) 39-Y -94

MAT 3940

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

39-Y -94

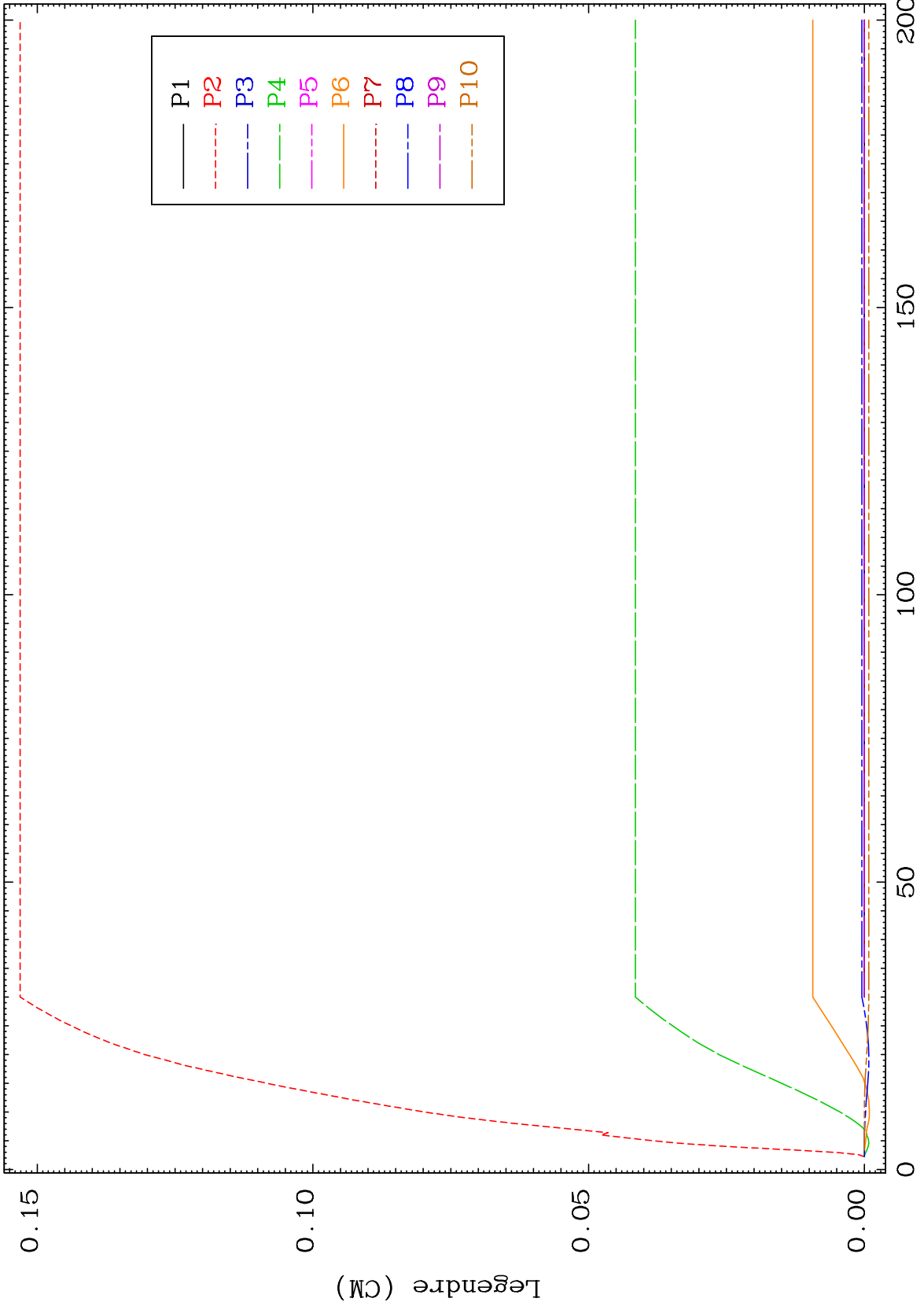


59

Incident Energy (MeV)

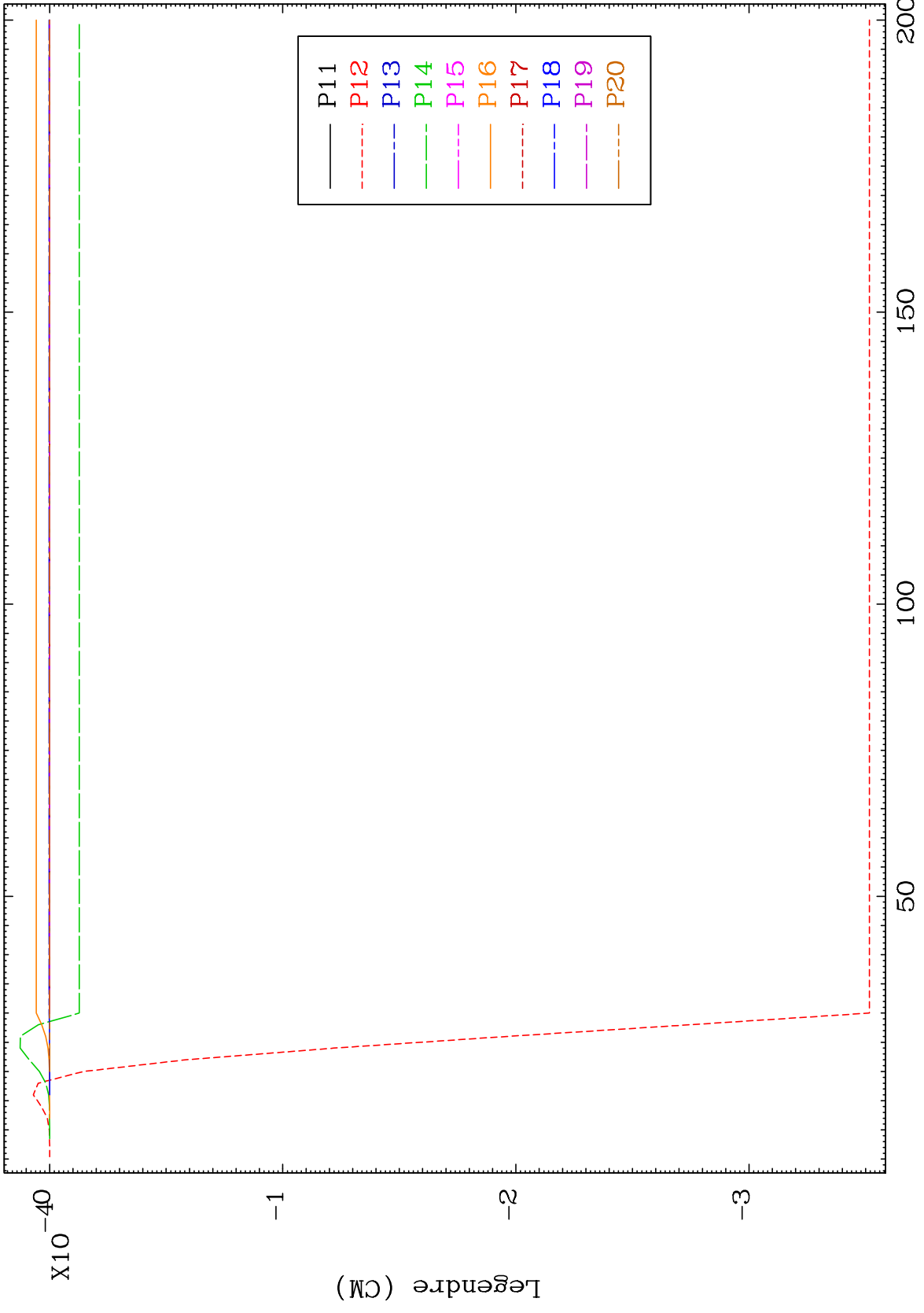
39-Y -94

MAT 3940 MT= 63 (n,n') Level Legendre Coefficients 39-Y -94



Incident Energy (MeV) 39-Y -94

MAT 3940 MT= 63 (n,n') Level Legendre Coefficients 39-Y -94



61 39-Y -94

MAT 3940

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

39-Y -94



62

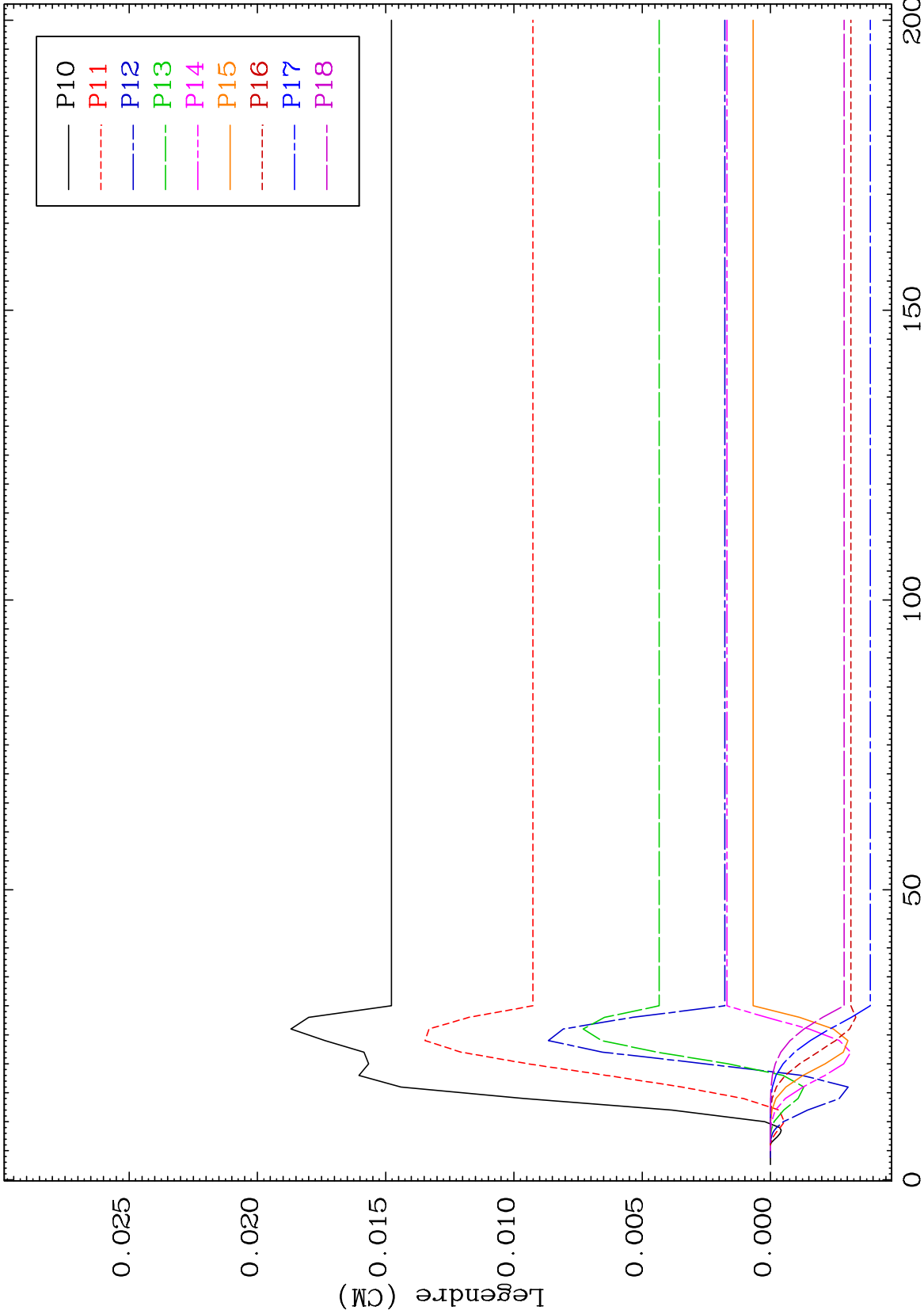
Incident Energy (MeV)

39-Y -94

MAT 3940

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

39-Y -94

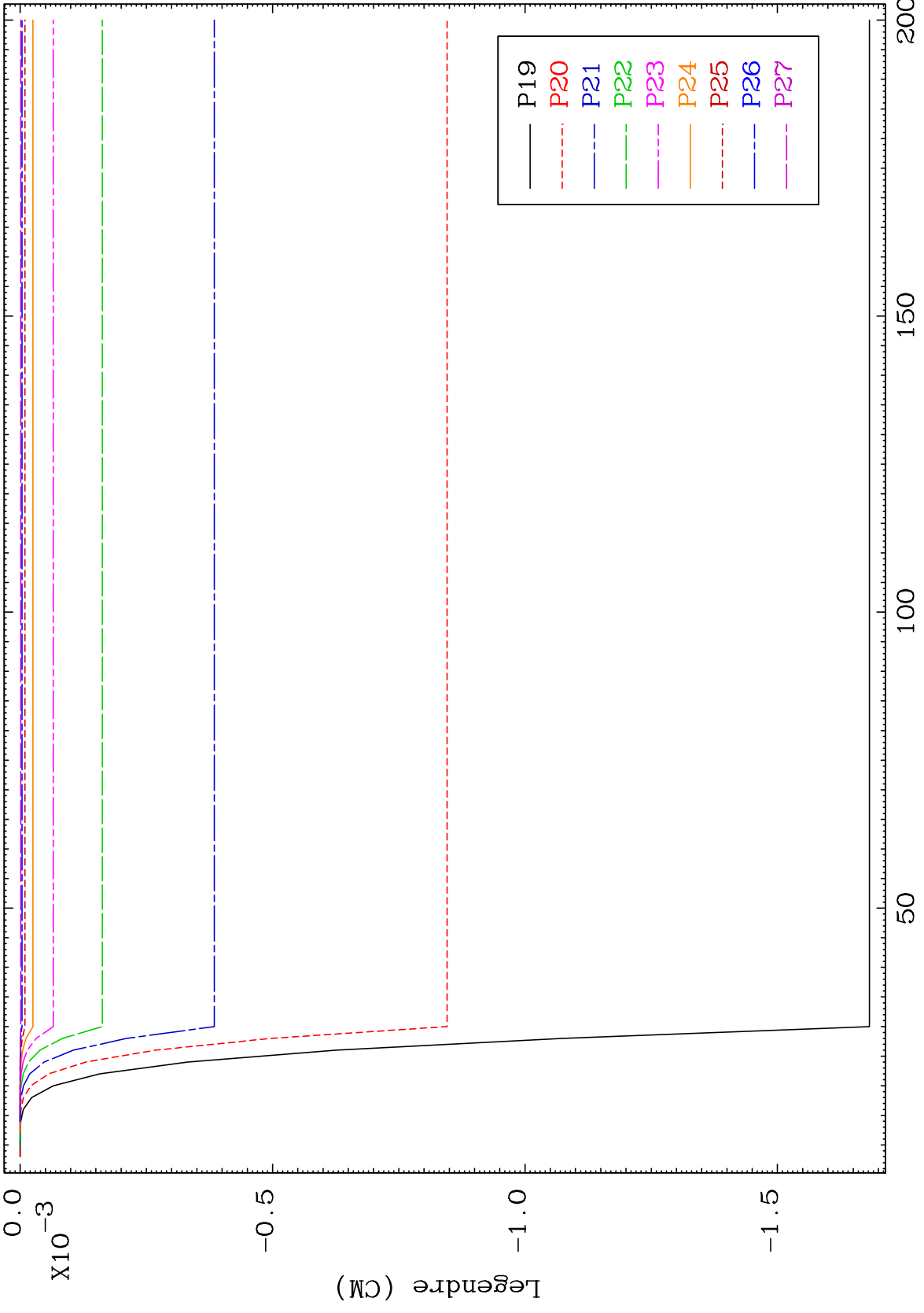


63

Incident Energy (MeV)

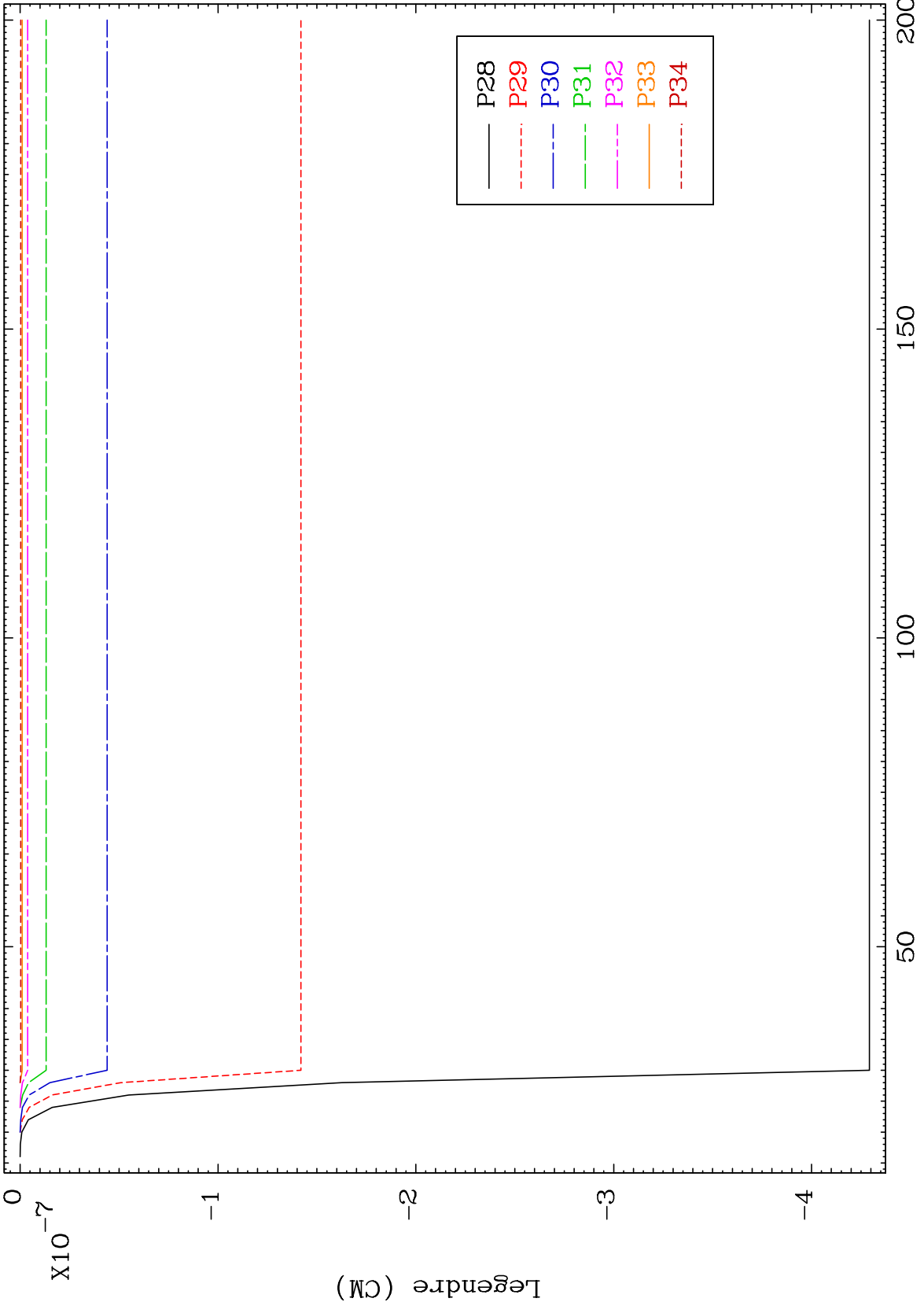
39-Y -94

MAT 3940 MT= 64 (n,n') Level Legendre Coefficients 39-Y -94



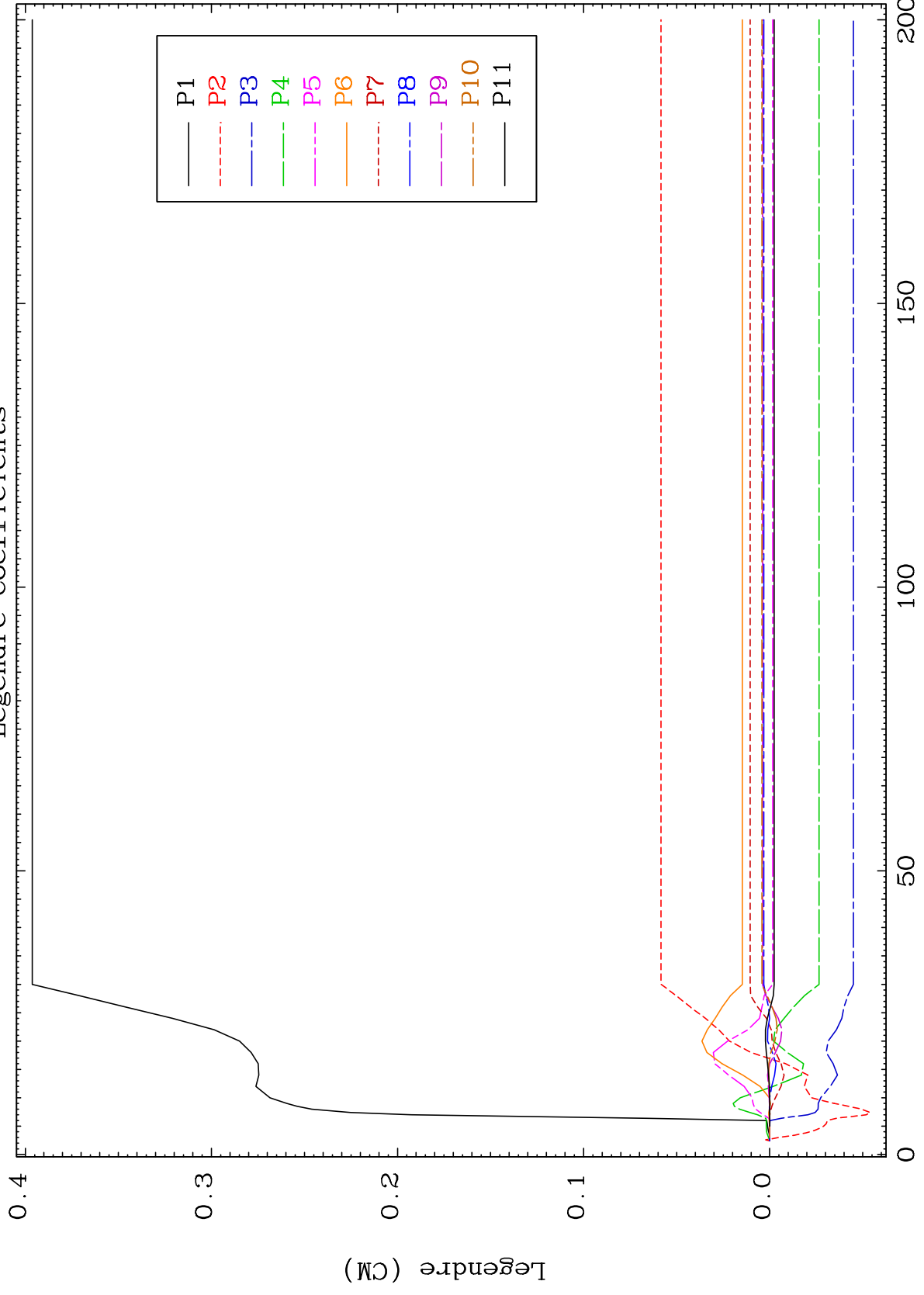
64 39-Y -94

MAT 3940 MT= 64 (n,n') Level Legendre Coefficients 39-Y -94



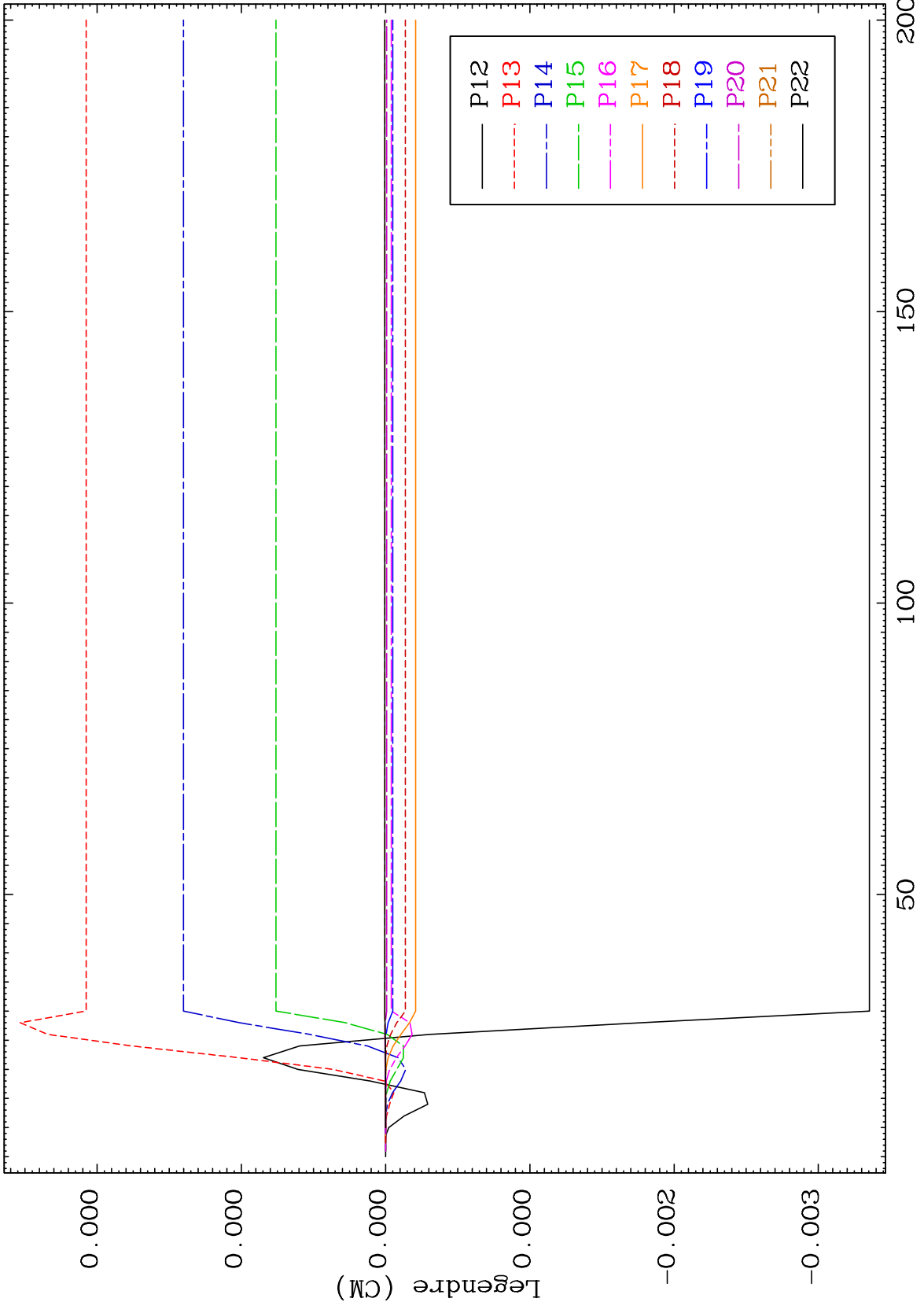
65 Incident Energy (MeV) 39-Y -94

MAT 3940 MT= 65 (n,n') Level Legendre Coefficients 39-Y -94



66 39-Y -94

MAT 3940 MT= 65 (n,n') Level Legendre Coefficients 39-Y -94

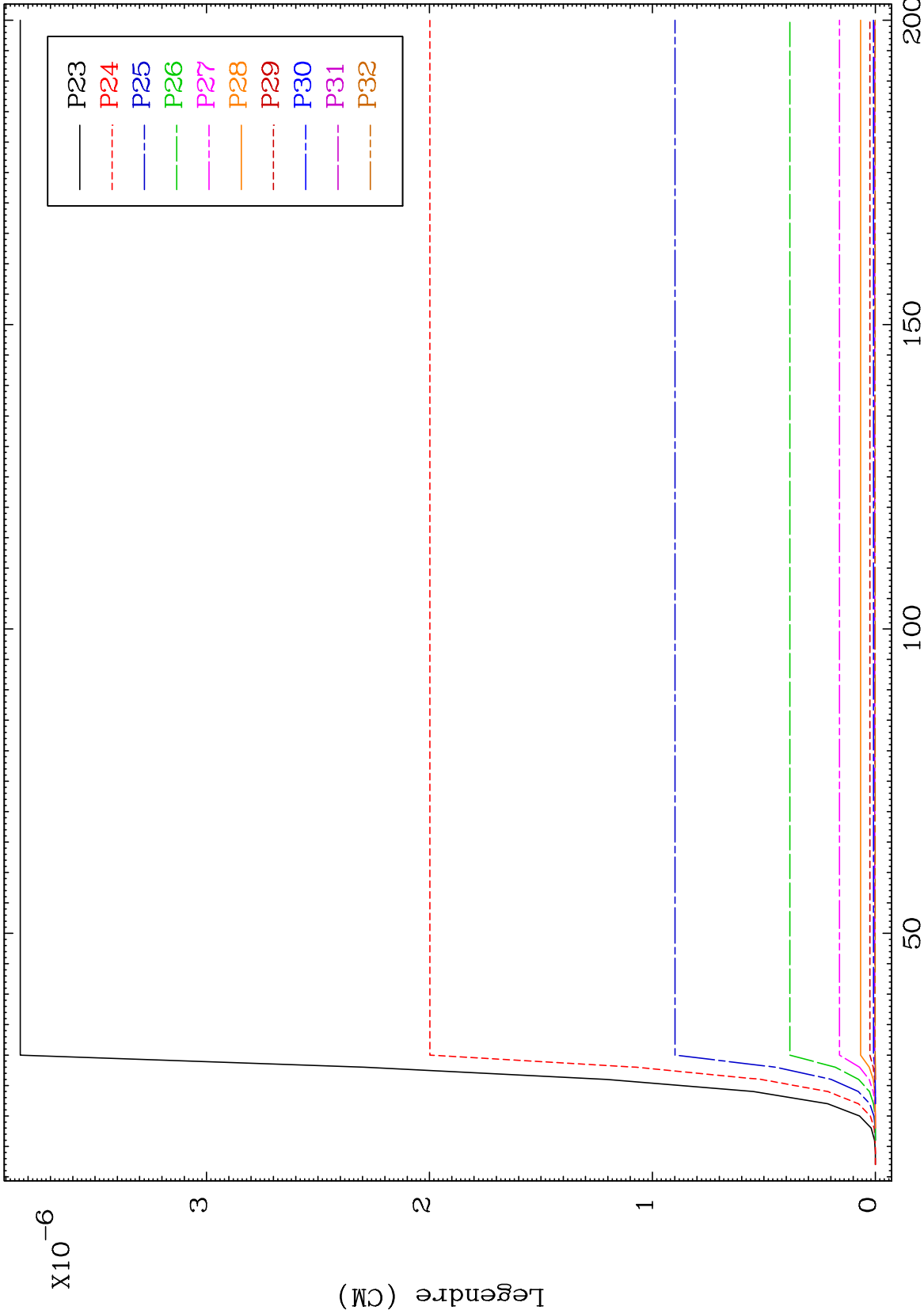


67 39-Y -94

MAT 3940

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

39-Y -94



68

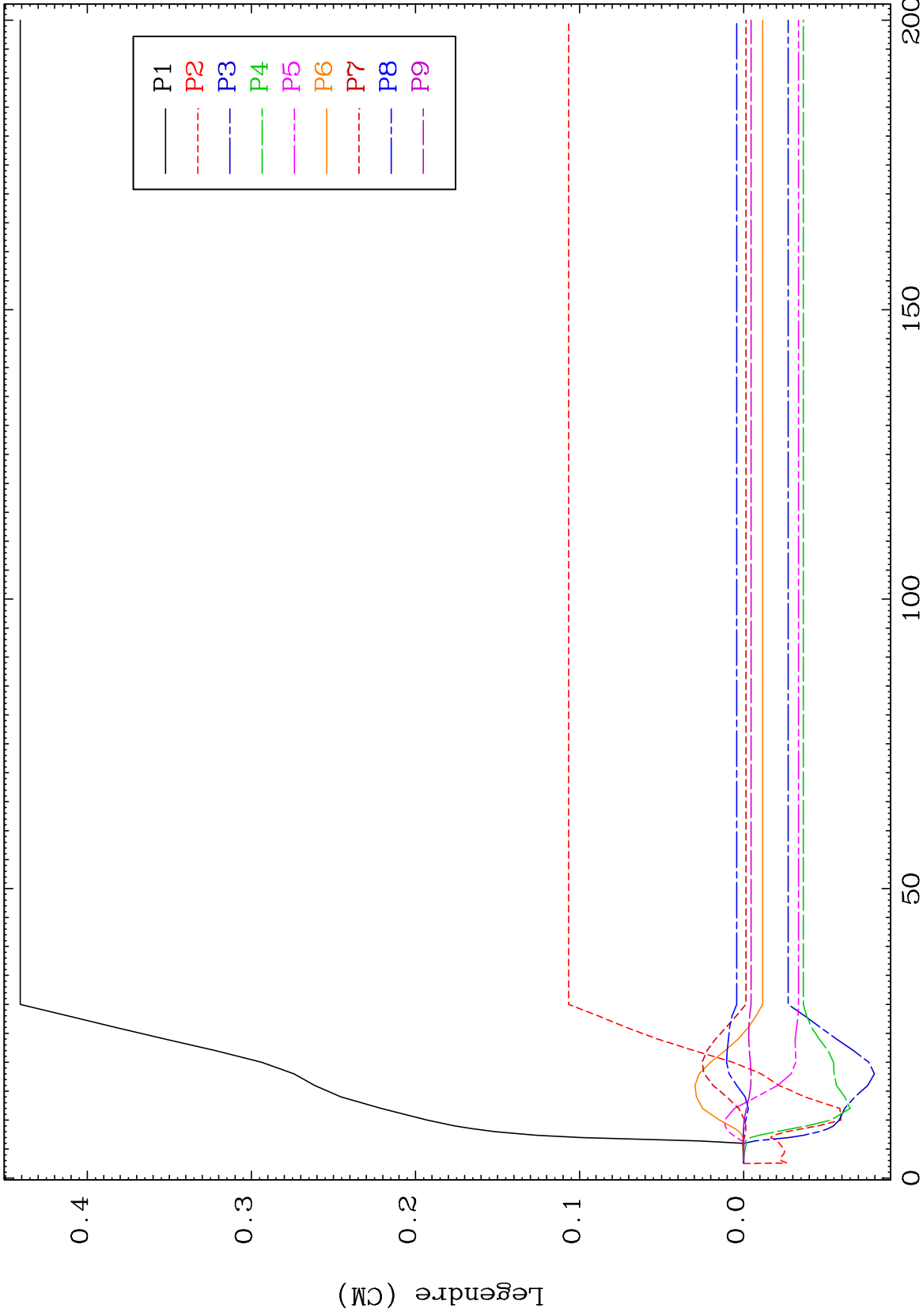
Incident Energy (MeV)

39-Y -94

MAT 3940

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

39-Y -94

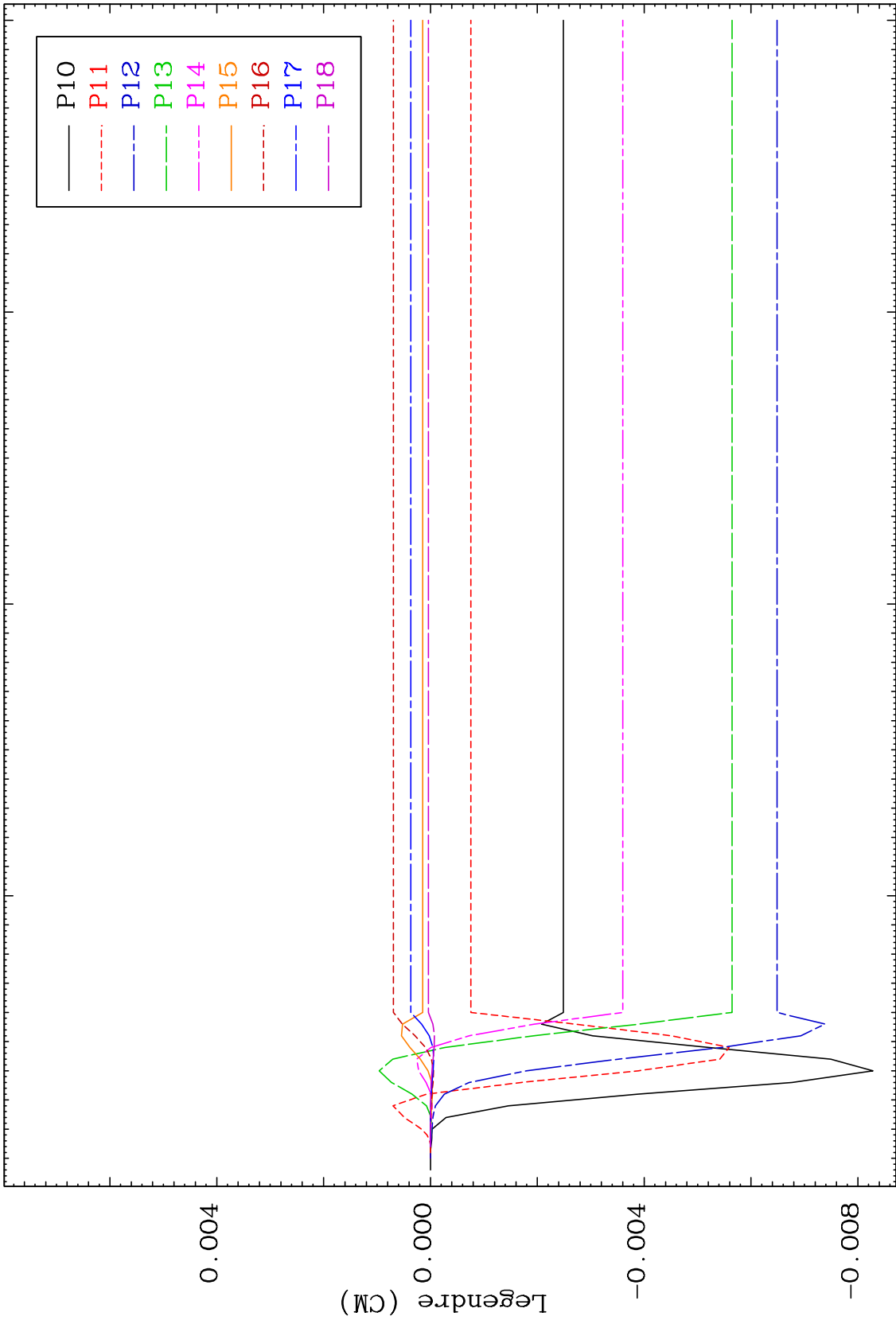


69

Incident Energy (MeV)

39-Y -94

MAT 3940 MT= 66 (n,n') Level Legendre Coefficients 39-Y -94

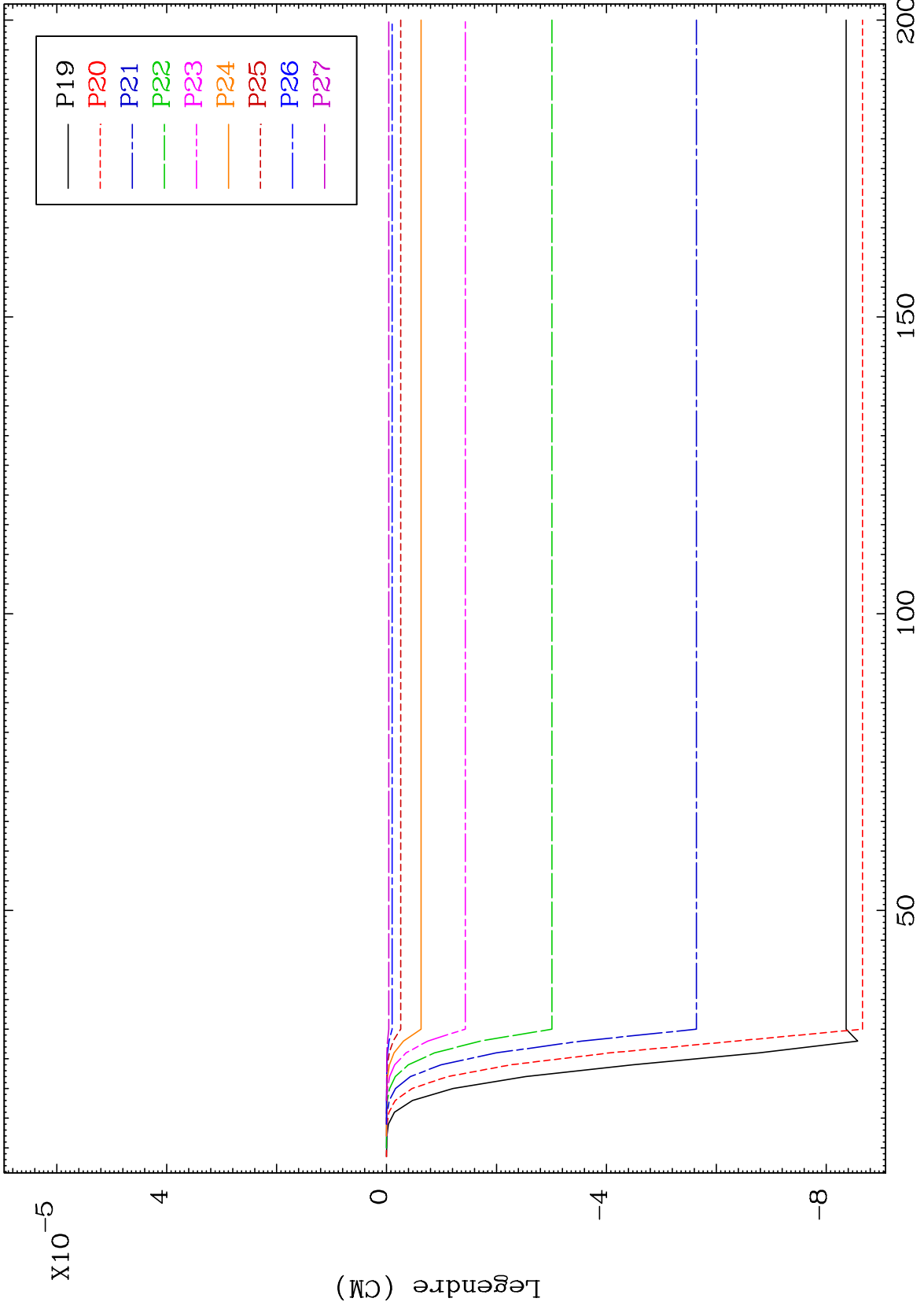


70 150 200 39-Y -94

MAT 3940

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

39-Y -94

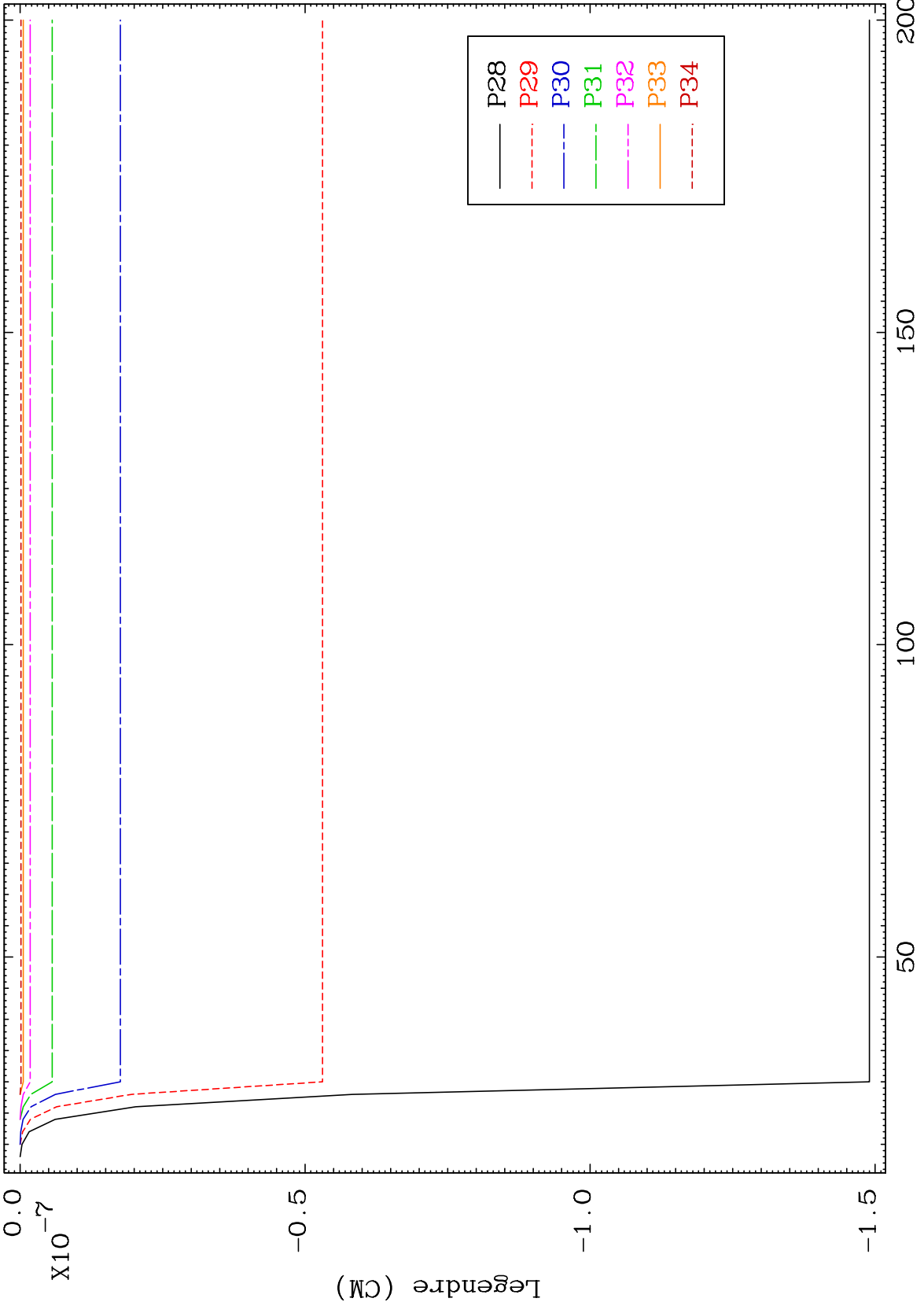


71

Incident Energy (MeV)

39-Y -94

MAT 3940 MT= 66 (n,n') Level Legendre Coefficients 39-Y -94

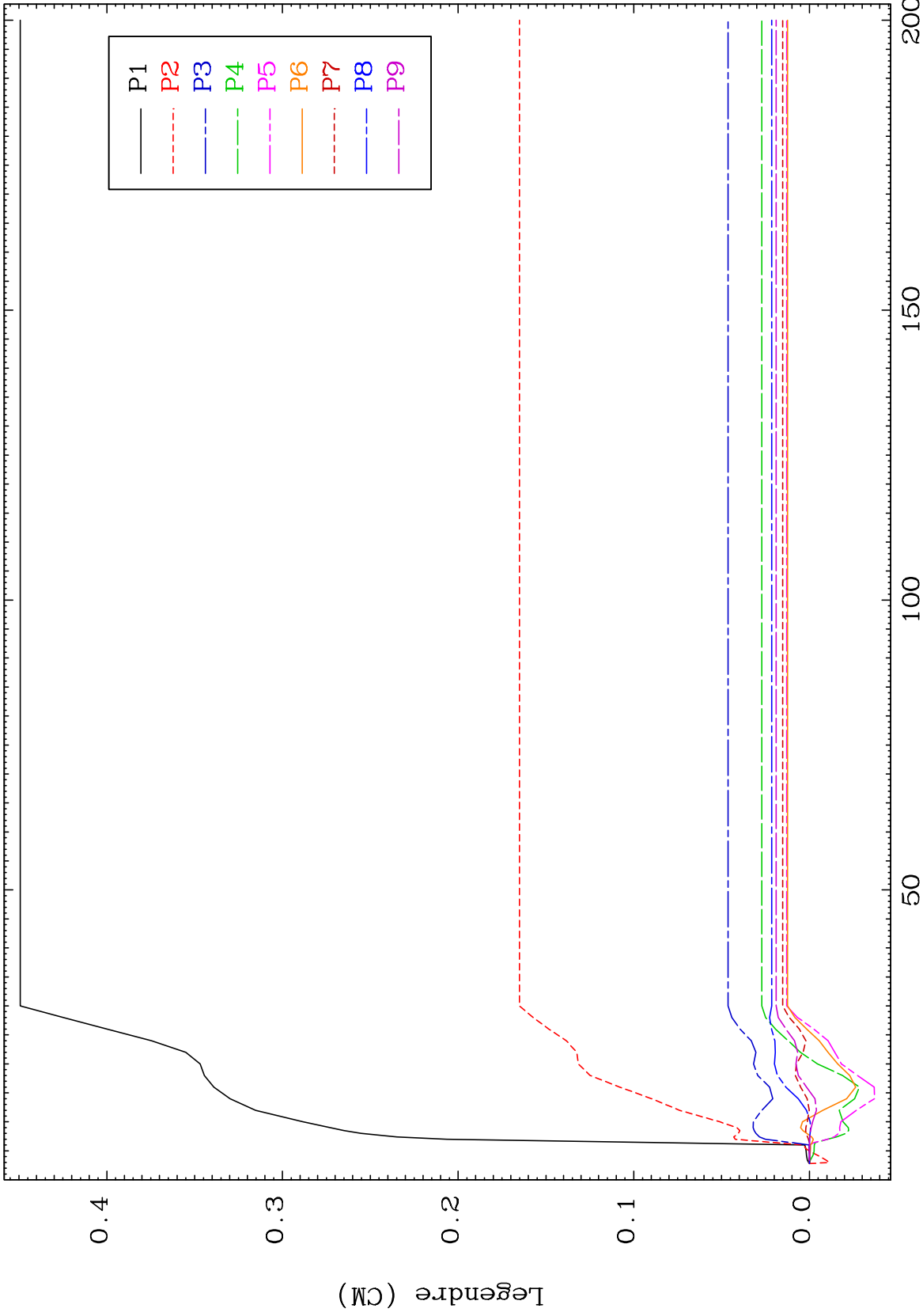


72 39-Y -94

MAT 3940

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

39-Y -94



73

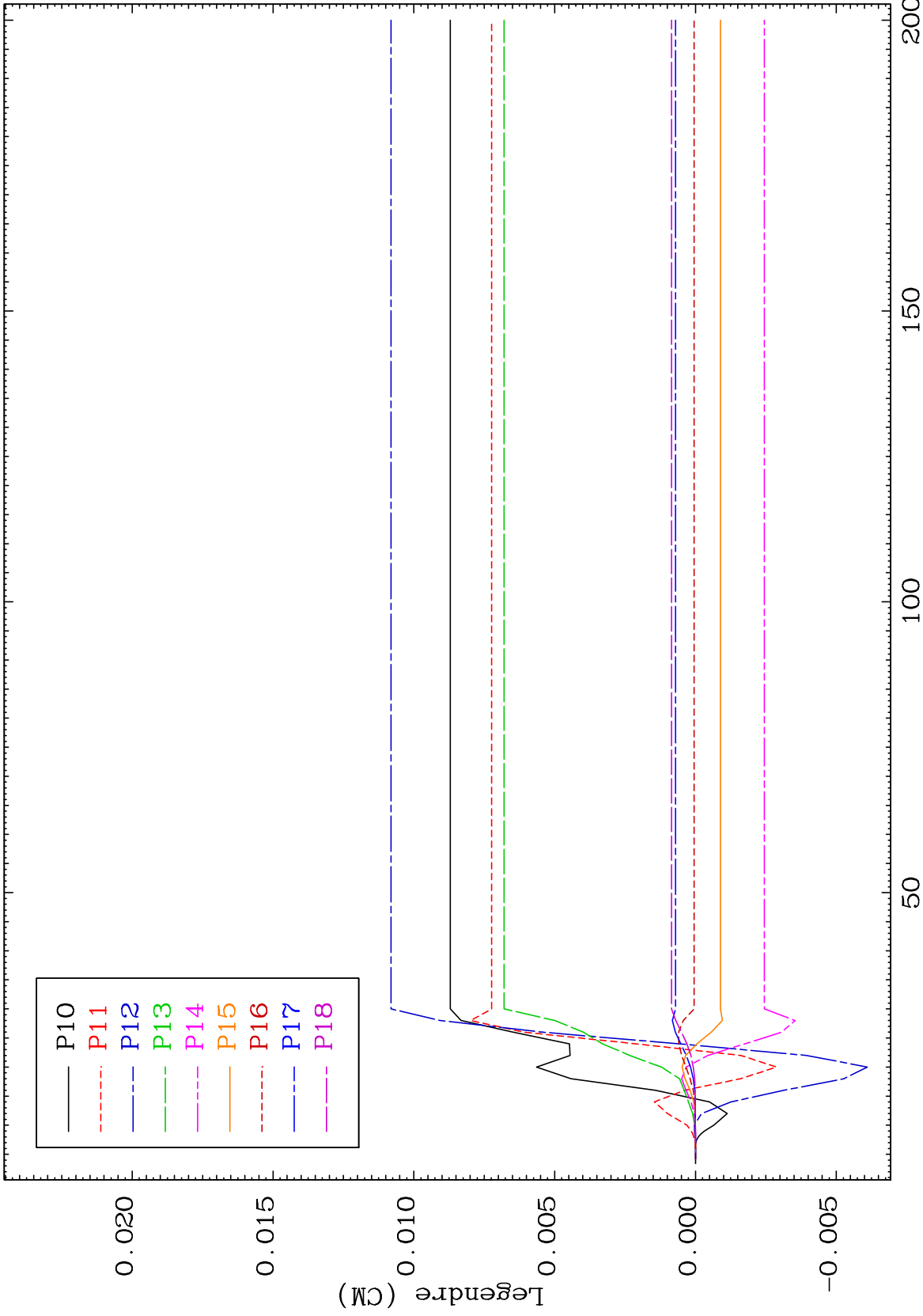
Incident Energy (MeV)

39-Y -94

MAT 3940

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

39-Y -94



74

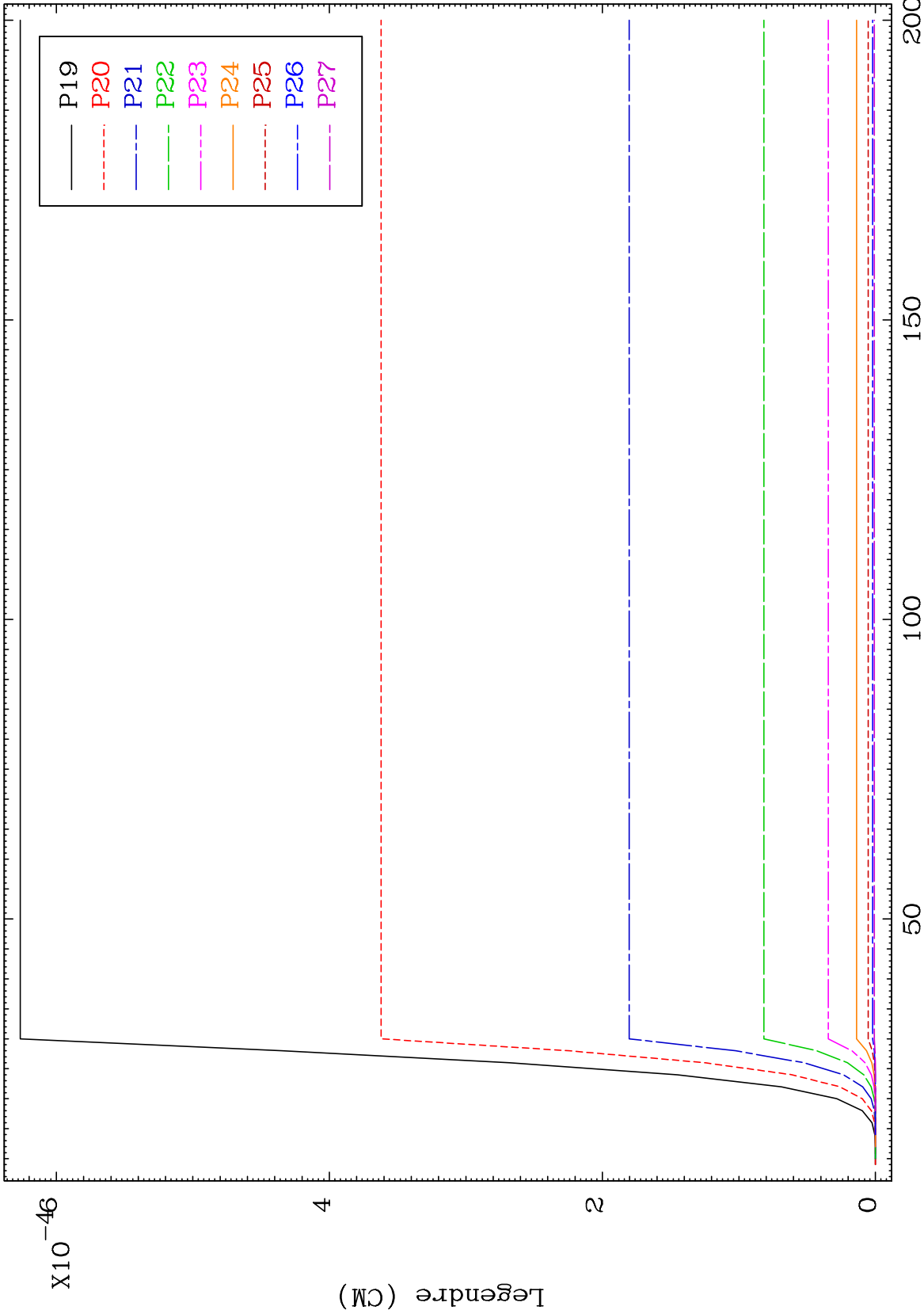
Incident Energy (MeV)

39-Y -94

MAT 3940

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

39-Y -94



75

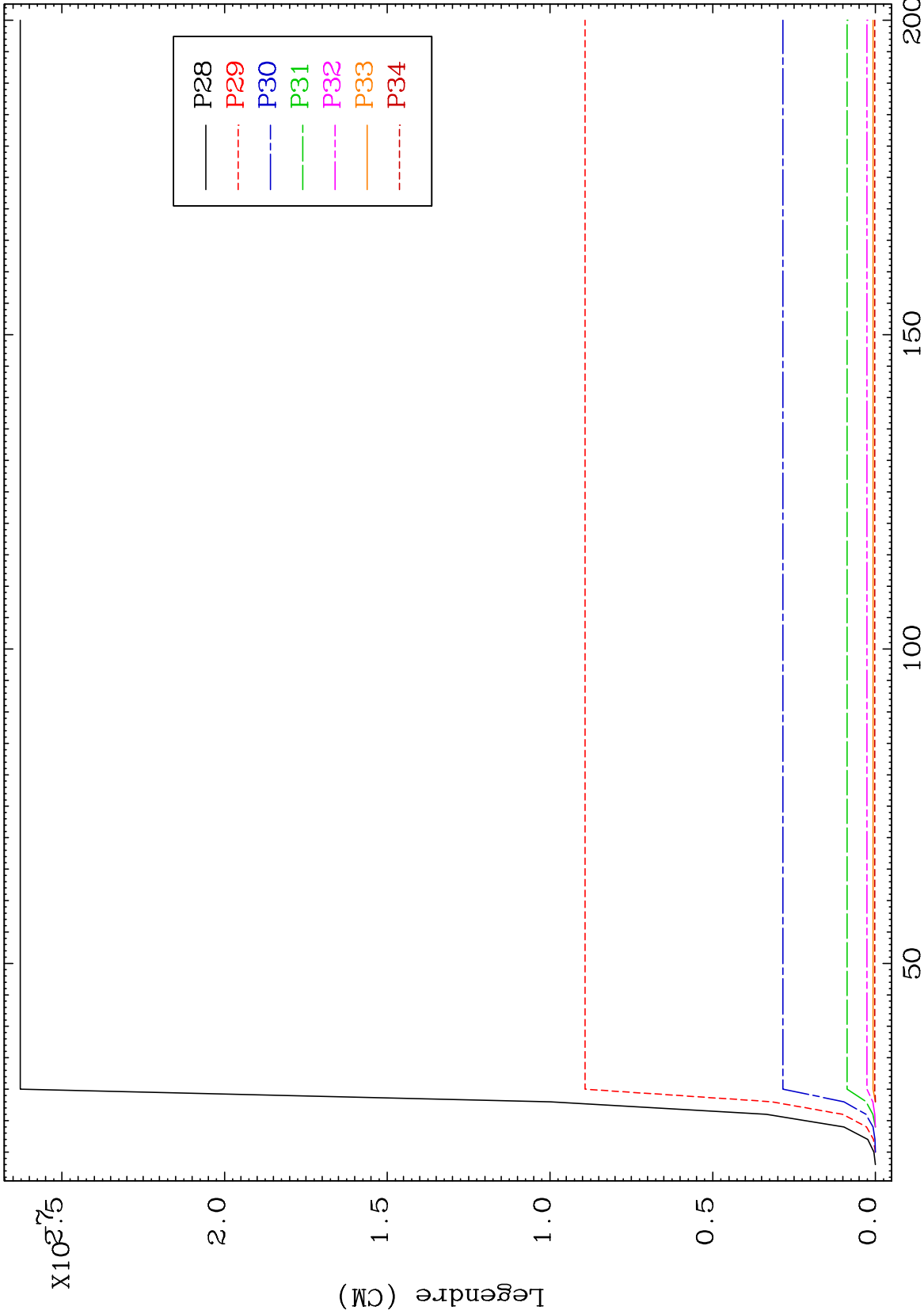
Incident Energy (MeV)

39-Y -94

MAT 3940

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

39-Y -94

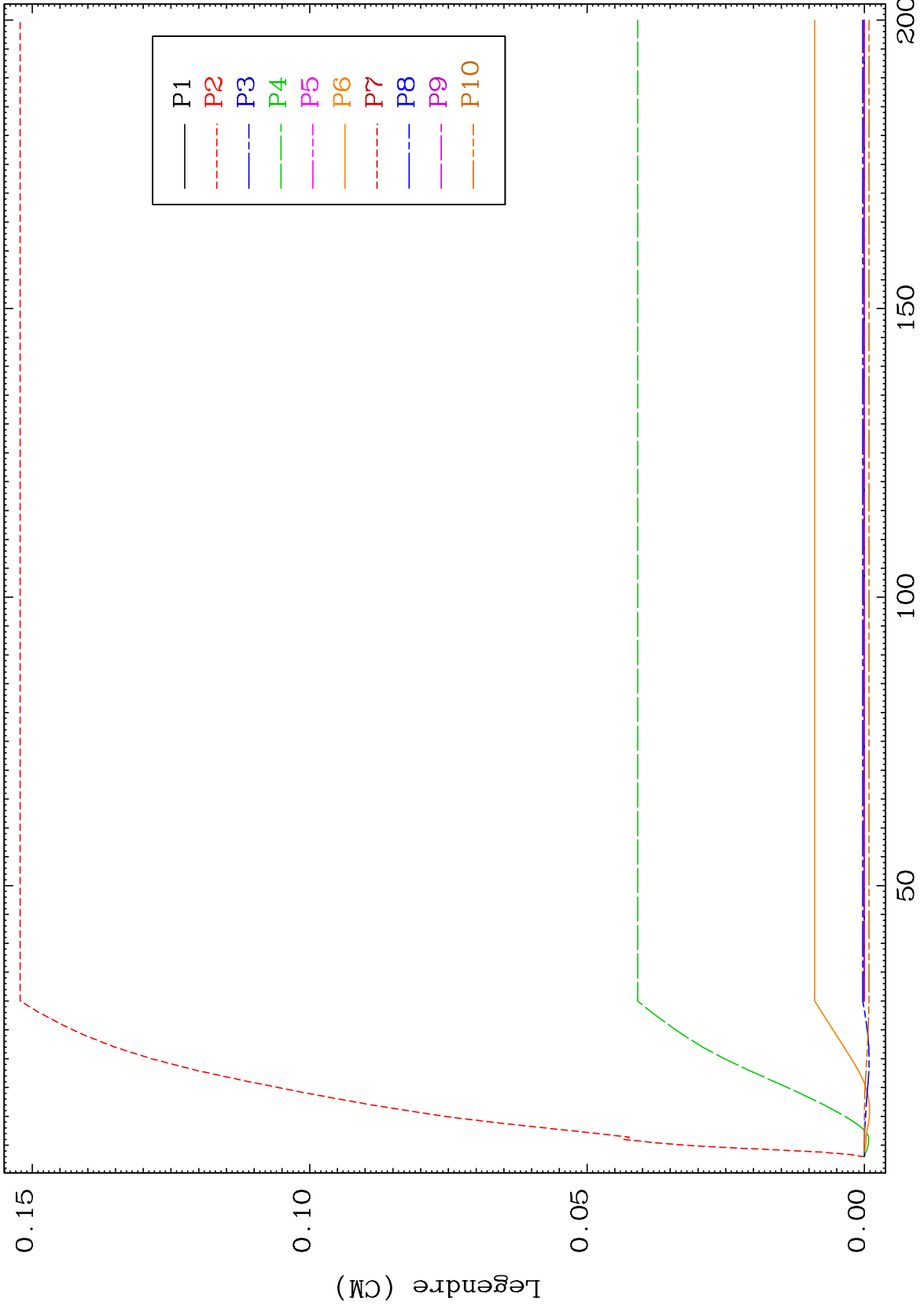


76

Incident Energy (MeV)

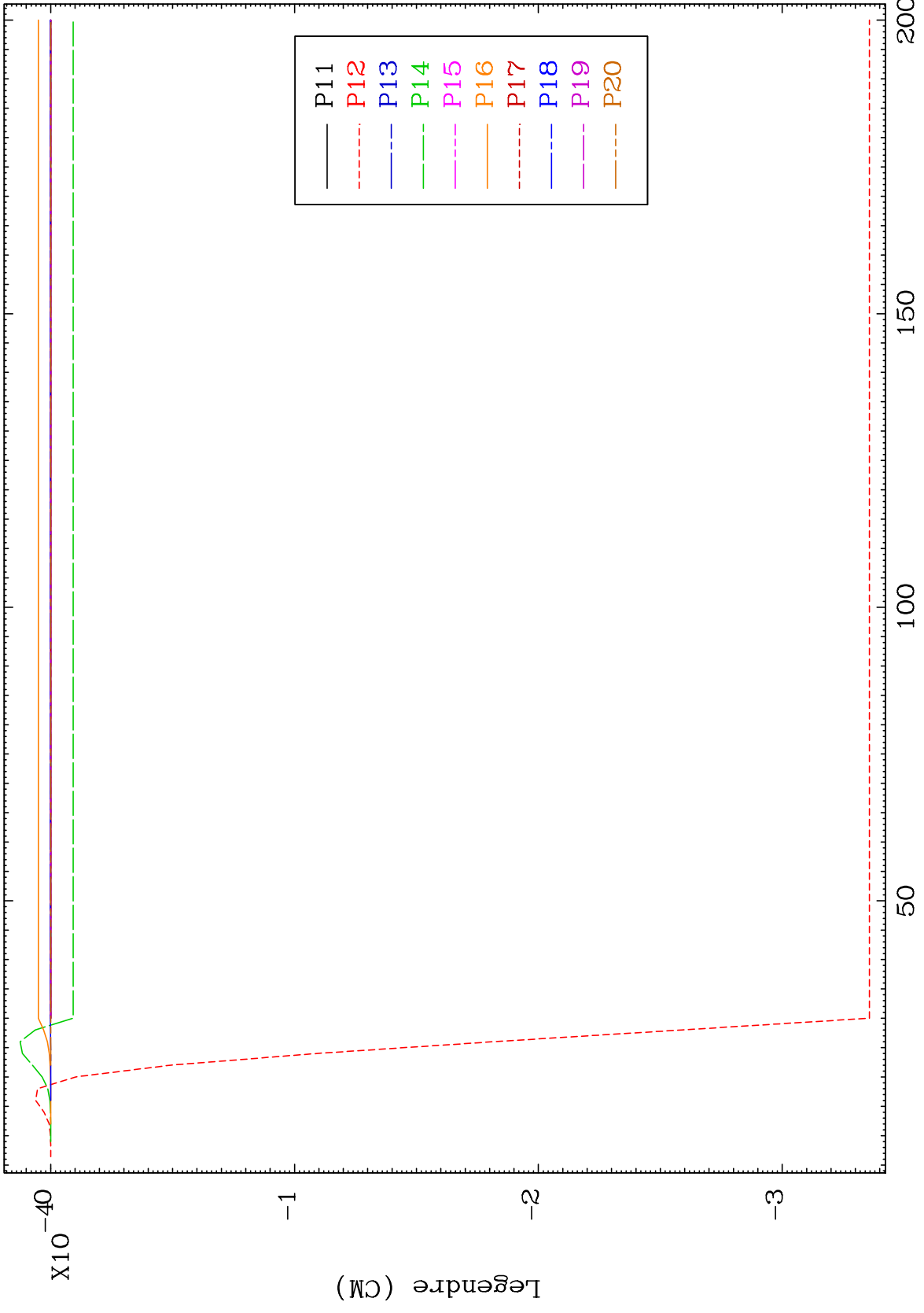
39-Y -94

MAT 3940 MT= 68 (n,n') Level Legendre Coefficients 39-Y -94



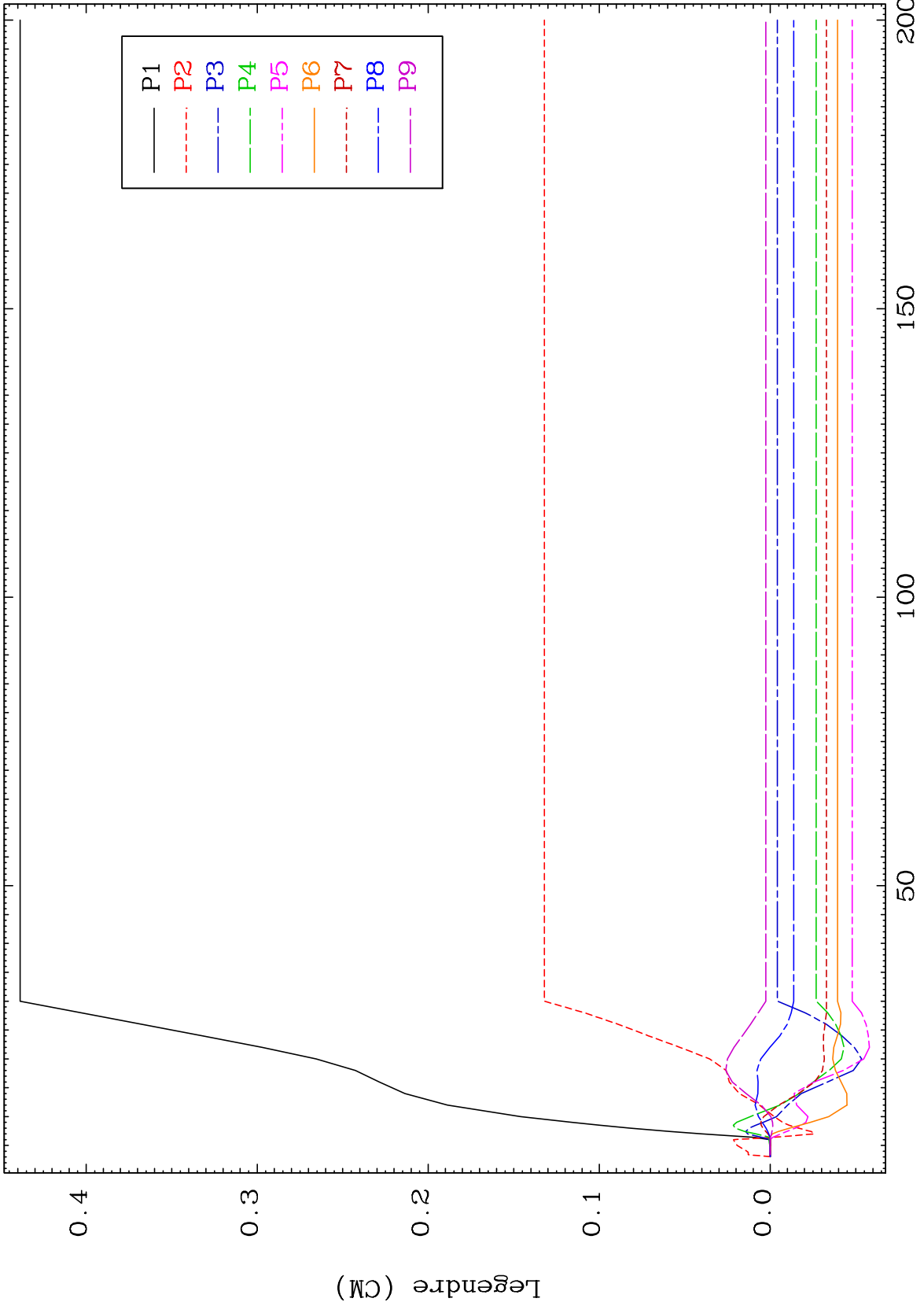
77 39-Y -94

MAT 3940 MT= 68 (n,n') Level Legendre Coefficients 39-Y -94



78 39-Y -94

MAT 3940 MT= 69 (n,n') Level Legendre Coefficients 39-Y -94

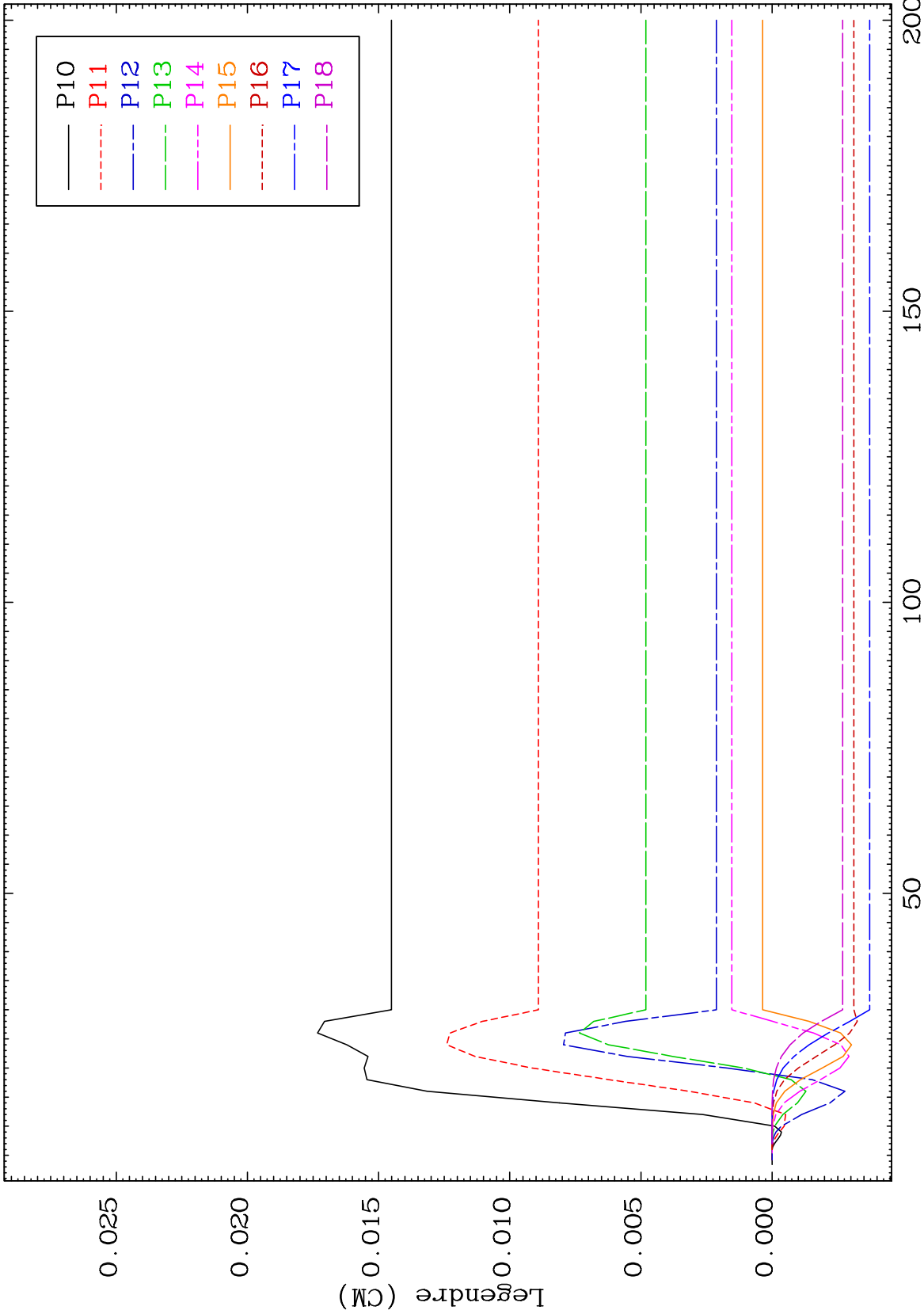


79 39-Y -94

MAT 3940

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

39-Y -94

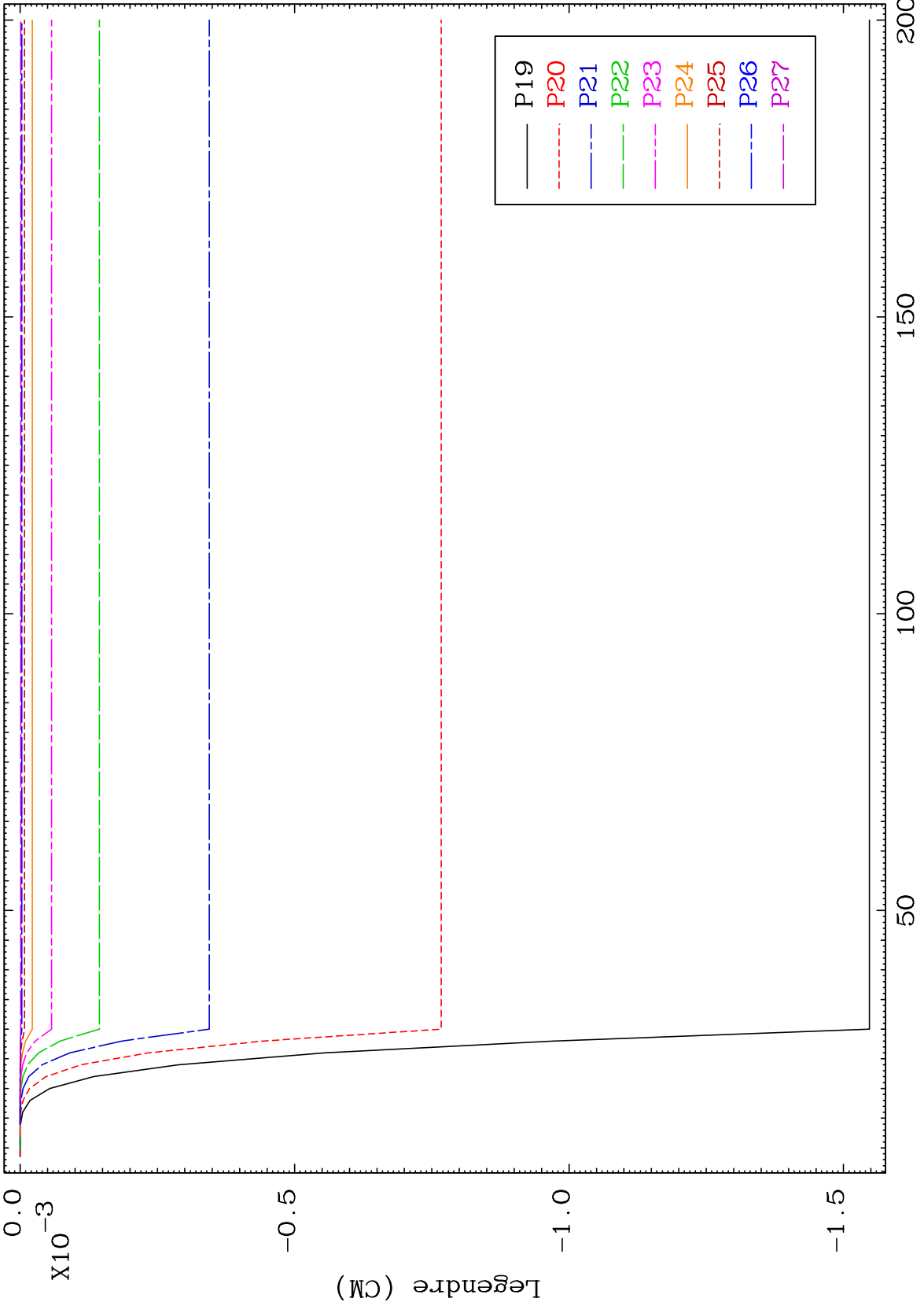


80

Incident Energy (MeV)

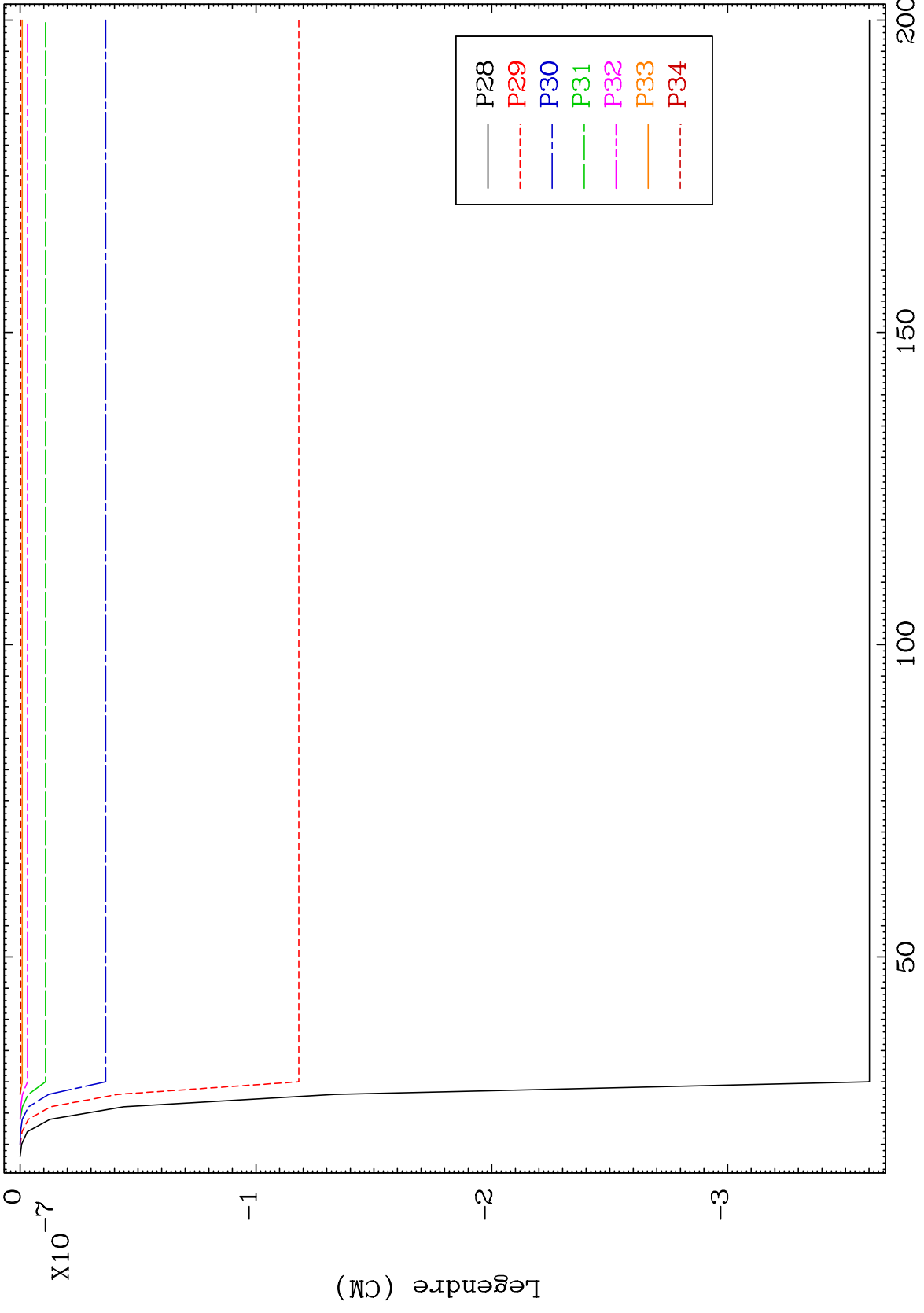
39-Y -94

MAT 3940 MT= 69 (n,n') Level Legendre Coefficients 39-Y -94



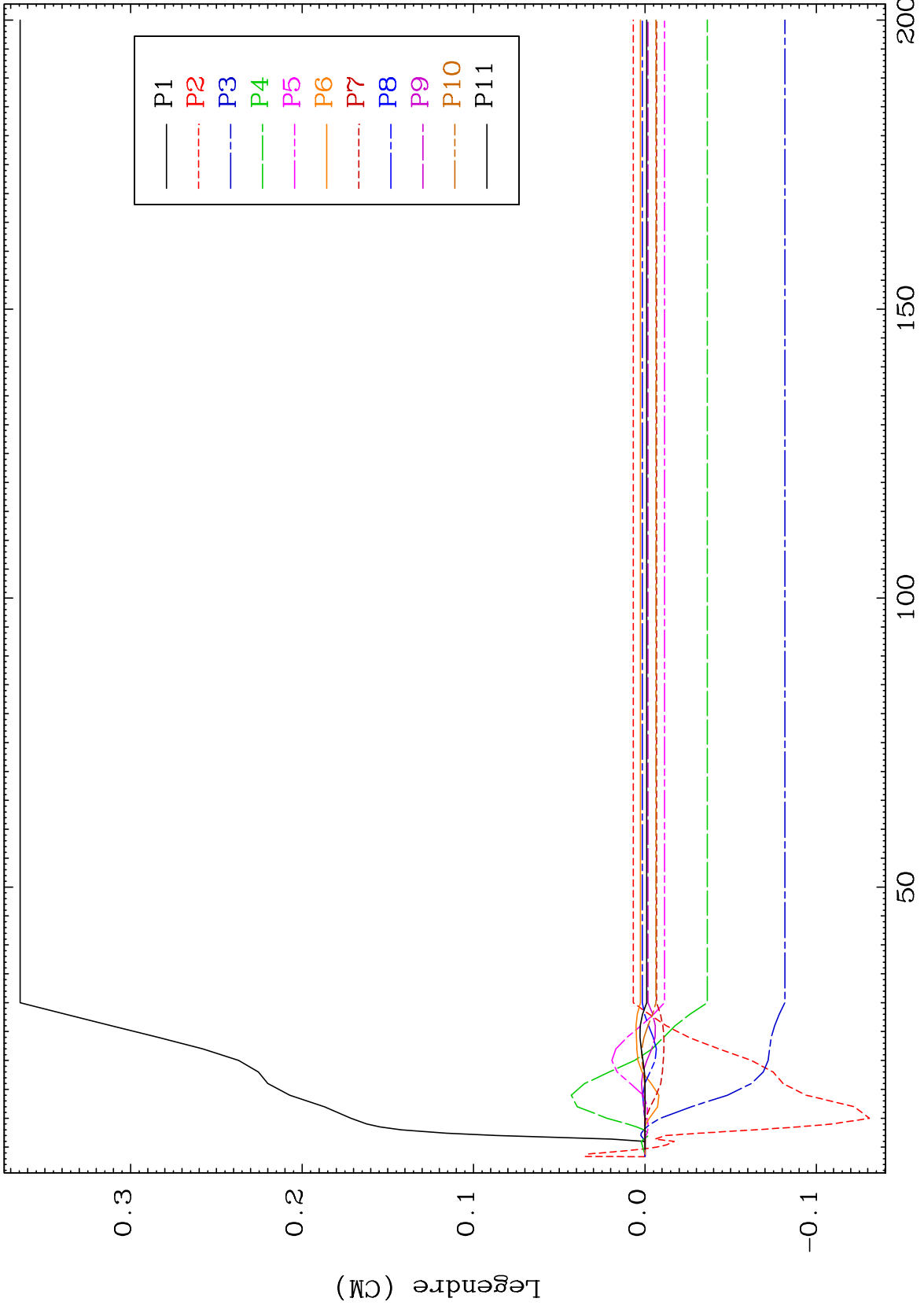
81 Incident Energy (MeV) 39-Y -94

MAT 3940 MT= 69 (n,n') Level Legendre Coefficients 39-Y -94

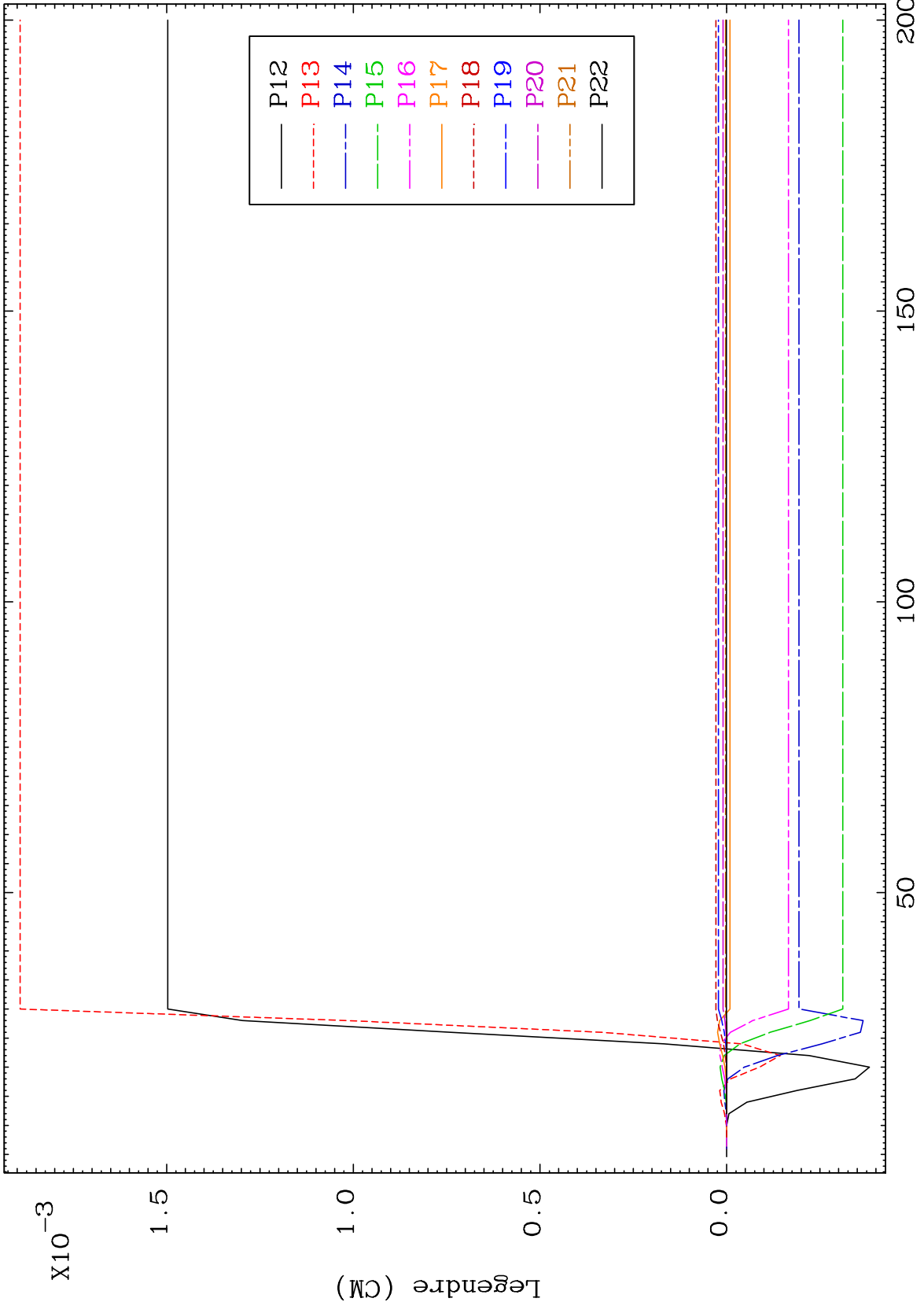


82 39-Y -94

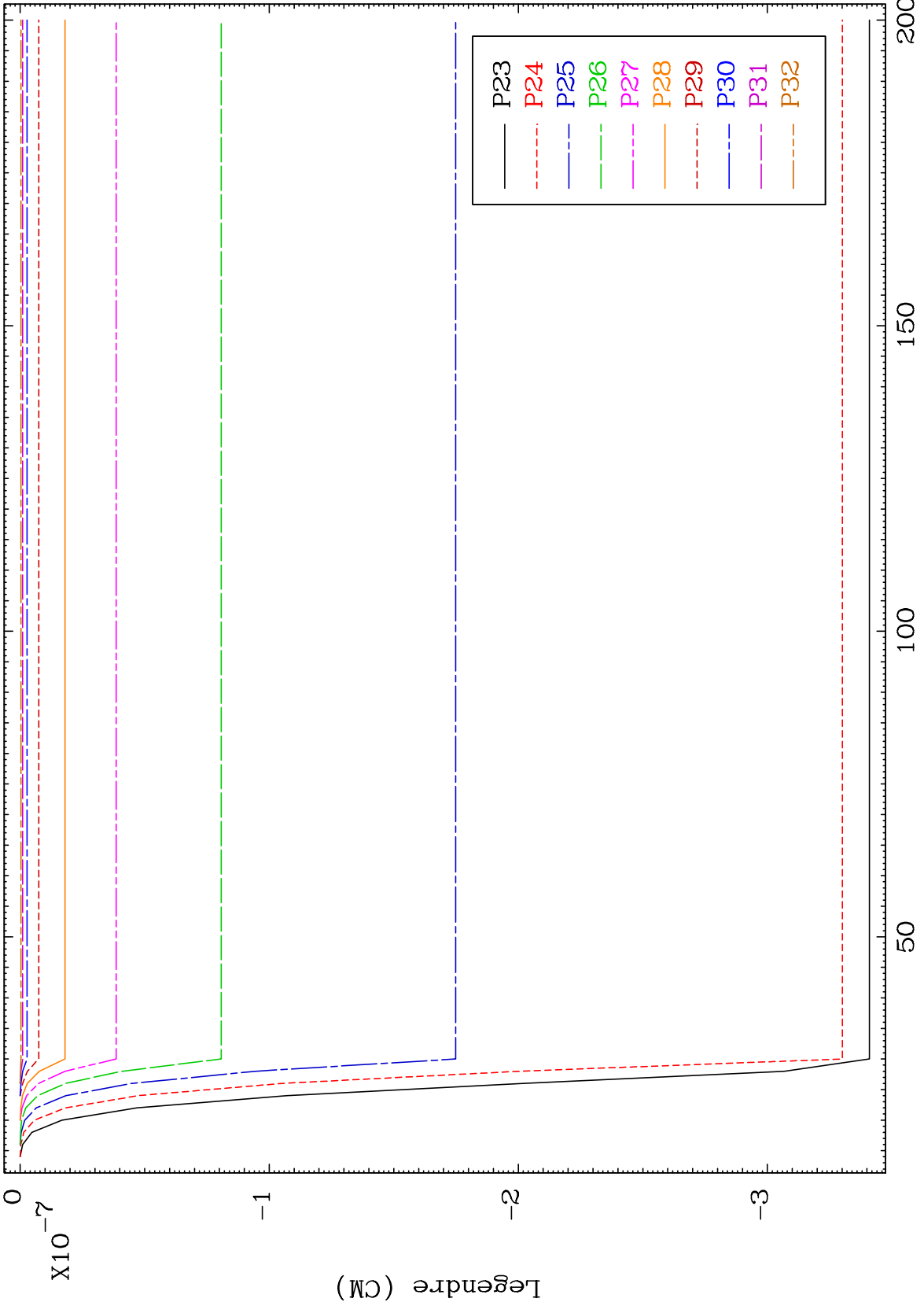
MAT 3940 MT= 70 (n,n') Level Legendre Coefficients 39-Y -94



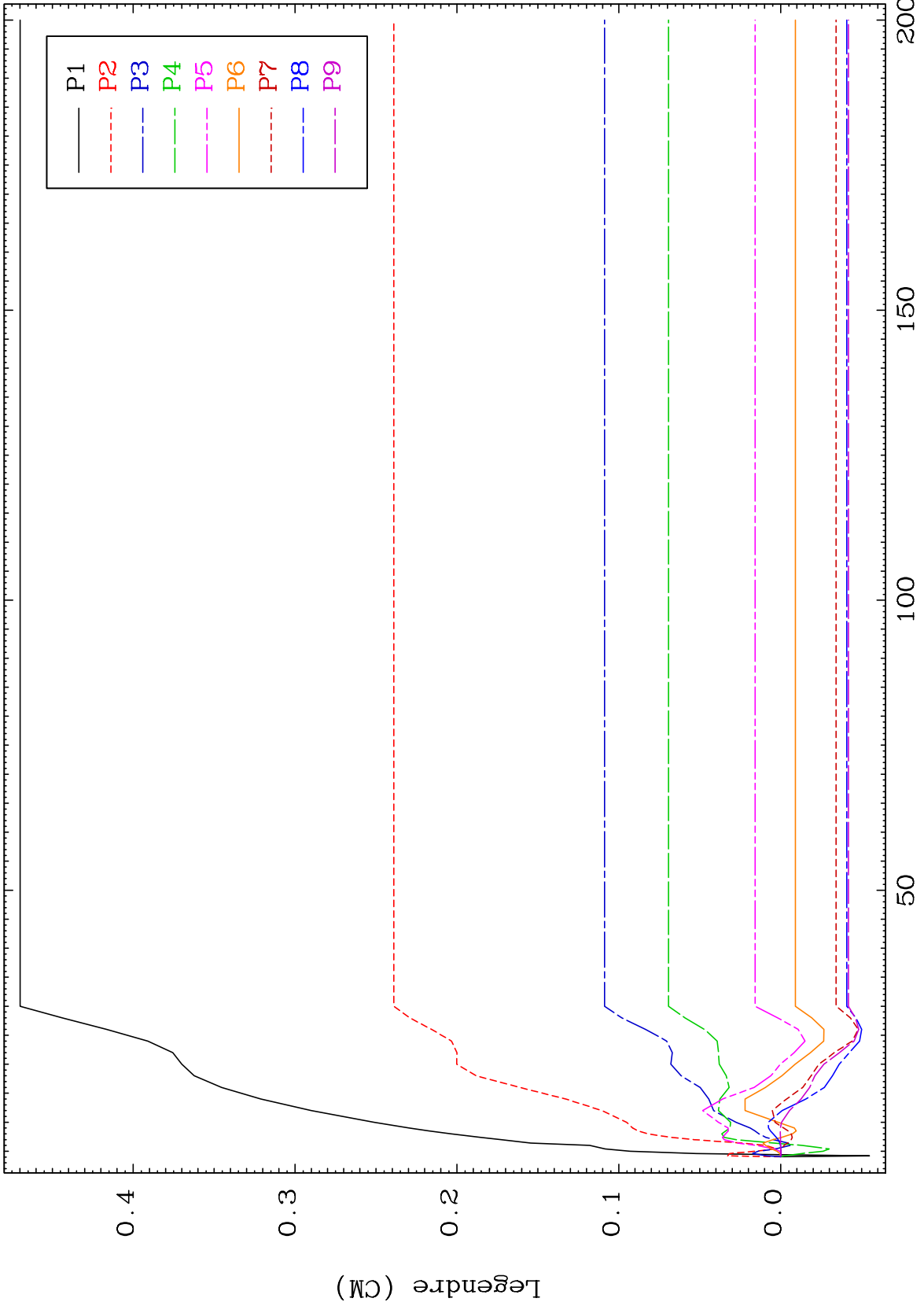
83 39-Y -94



MAT 3940 MT= 70 (n,n') Level Legendre Coefficients 39-Y -94



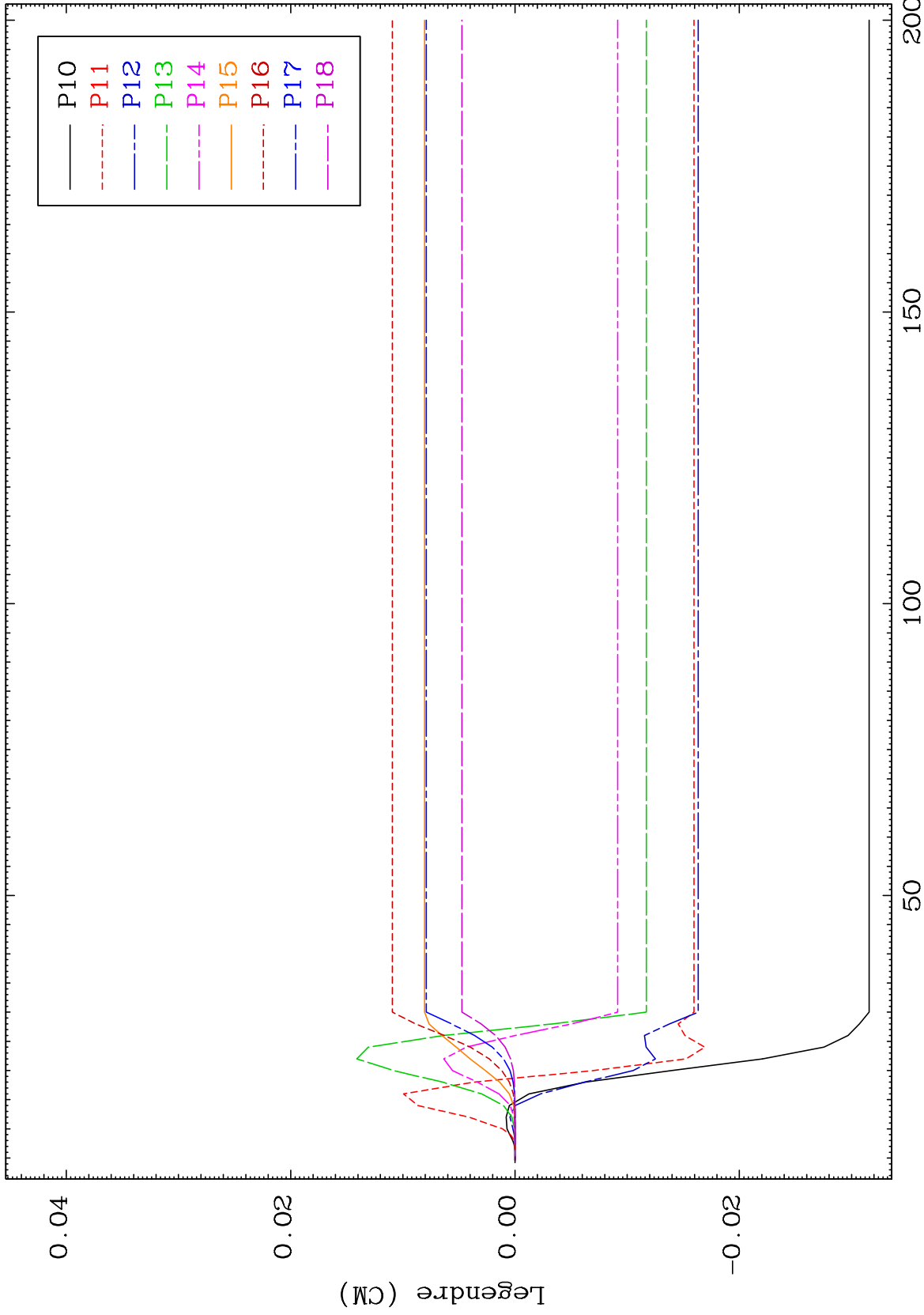
85 Incident Energy (MeV) 39-Y -94



MAT 3940

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

39-Y -94



87

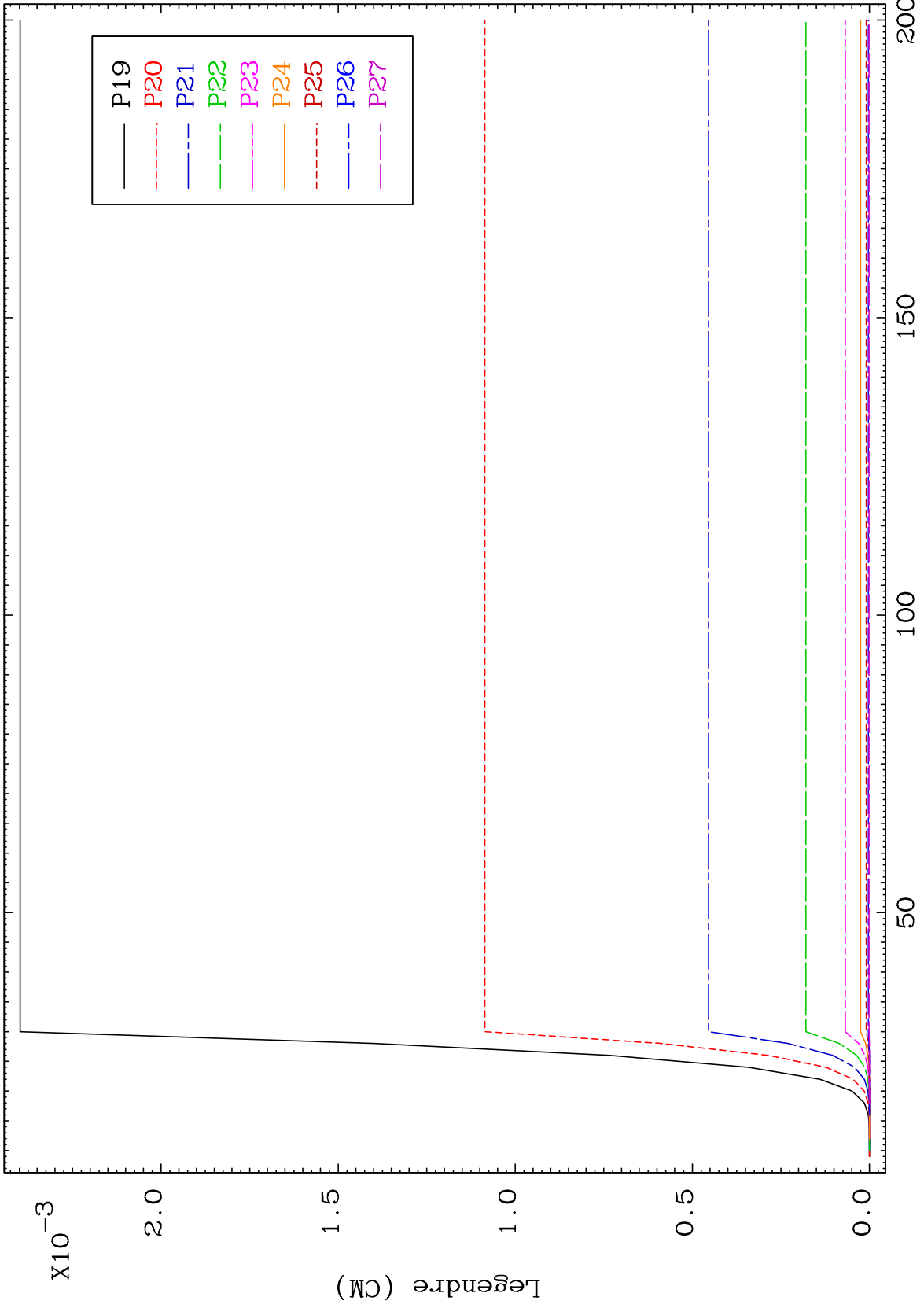
Incident Energy (MeV)

39-Y -94

MAT 3940

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

39-Y -94



88

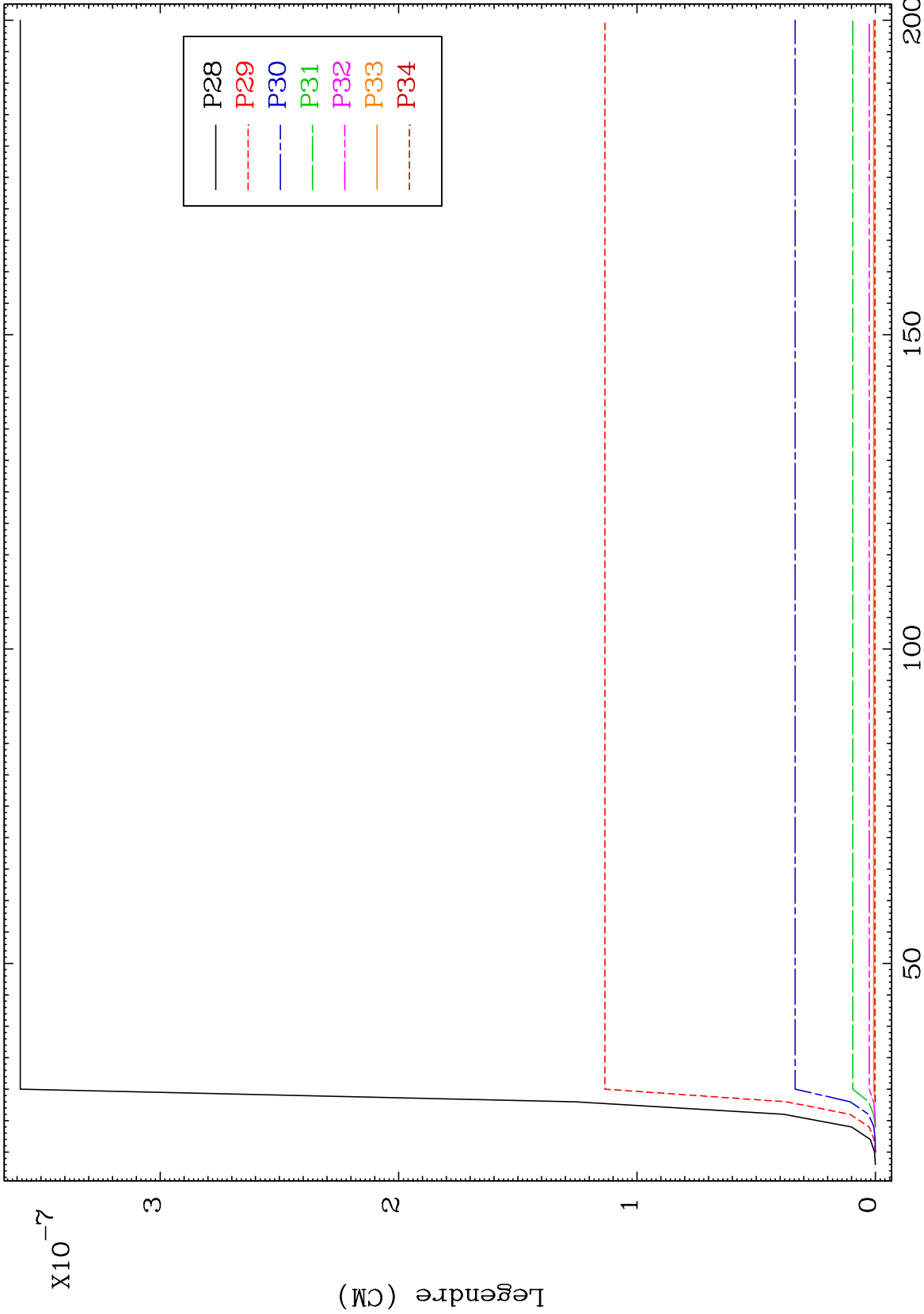
Incident Energy (MeV)

39-Y -94

MAT 3940

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

39-Y -94

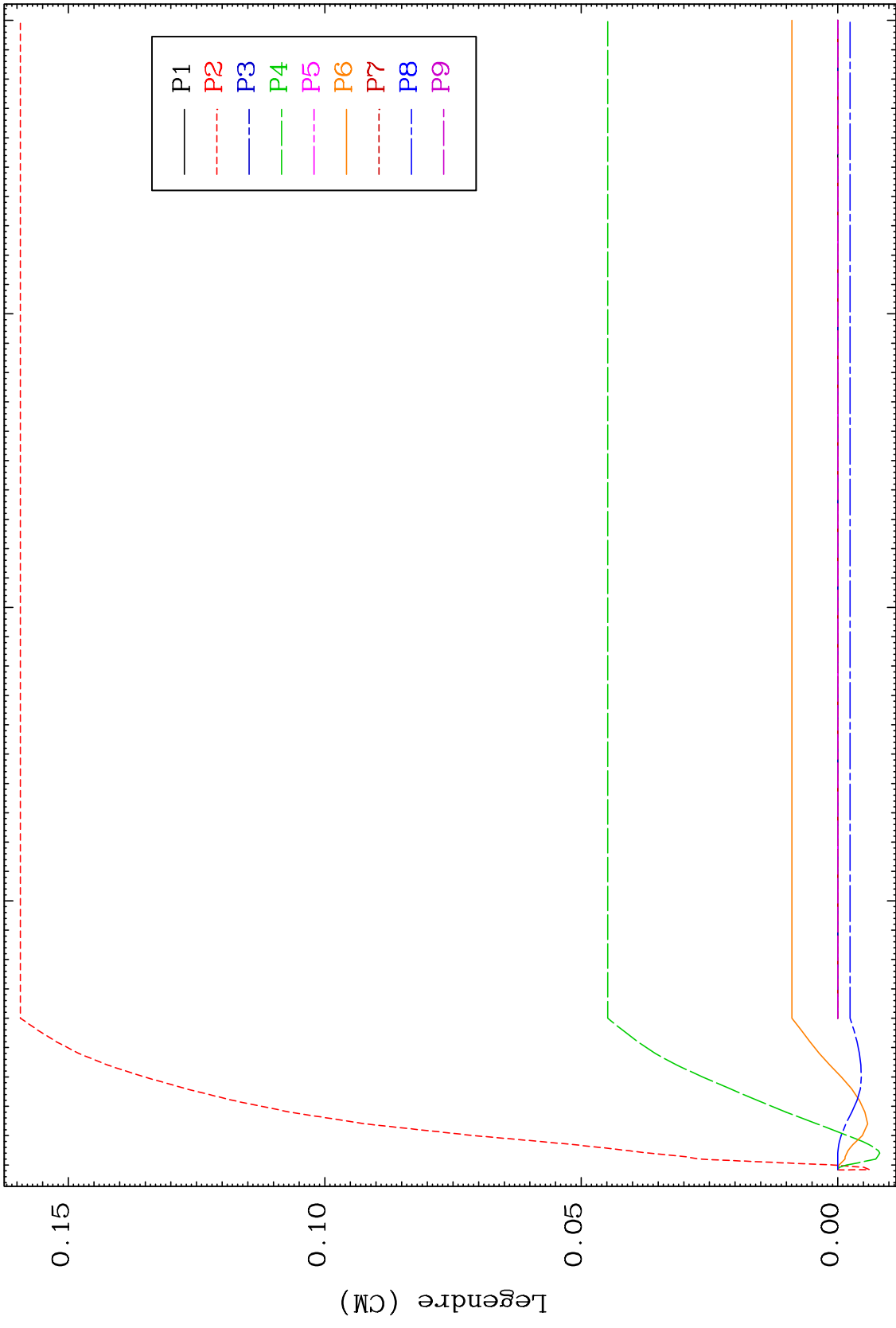


89

Incident Energy (MeV)

39-Y -94

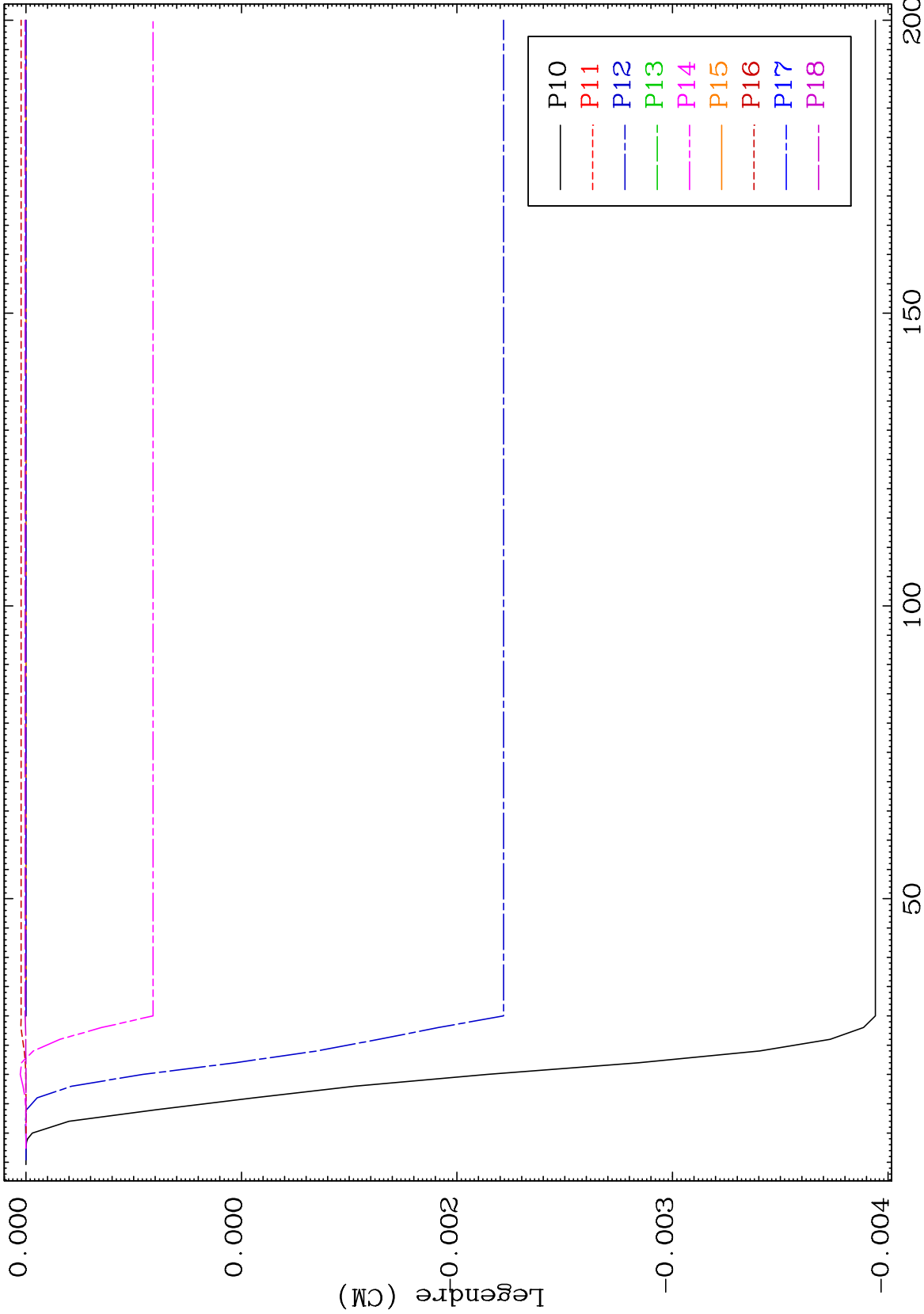
MAT 3940 MT= 72 (n,n') Level Legendre Coefficients 39-Y -94



Incident Energy (MeV) 39-Y -94

MAT 3940 MT= 72 (n,n') Level Legendre Coefficients

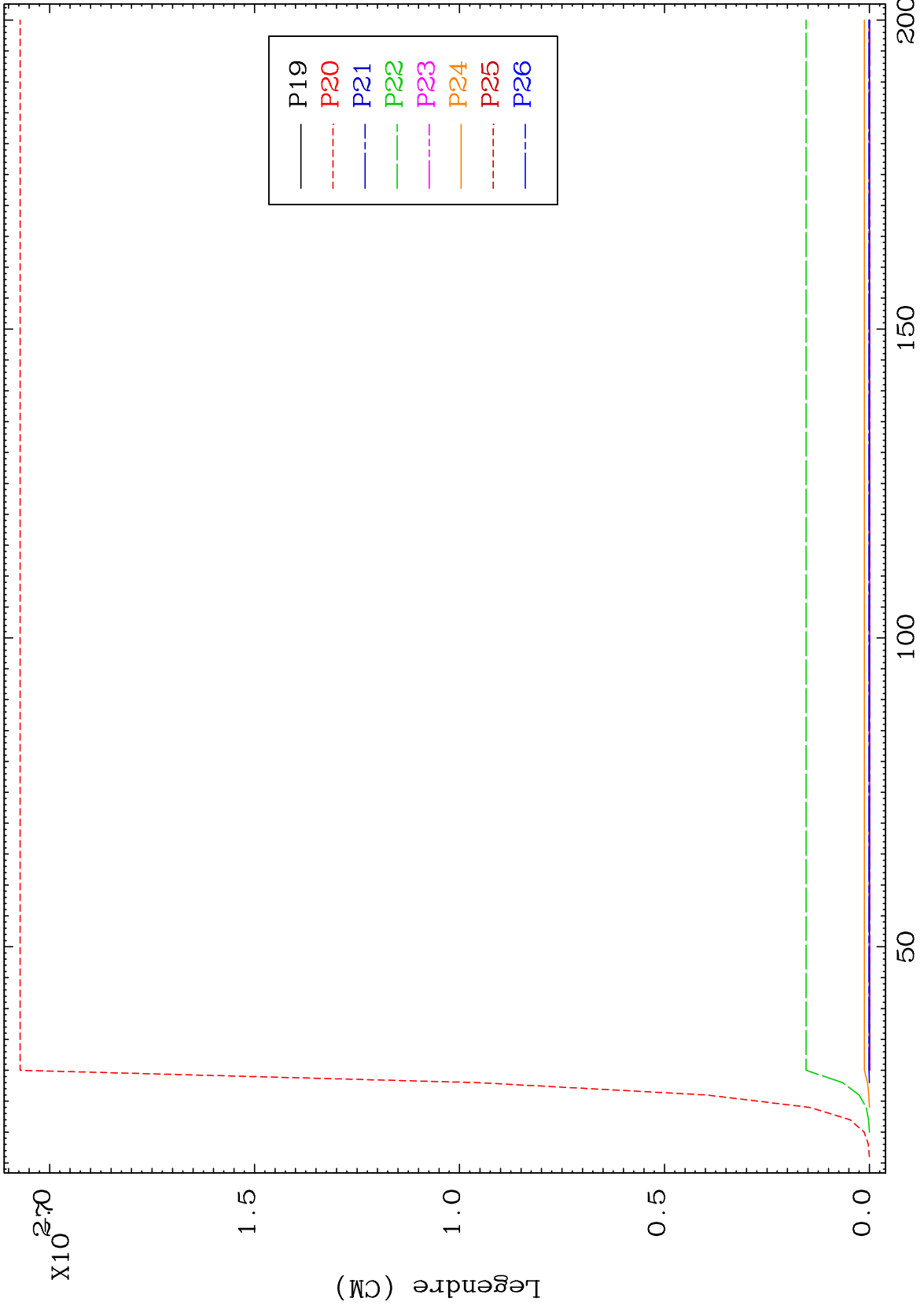
39-Y -94



39-Y -94

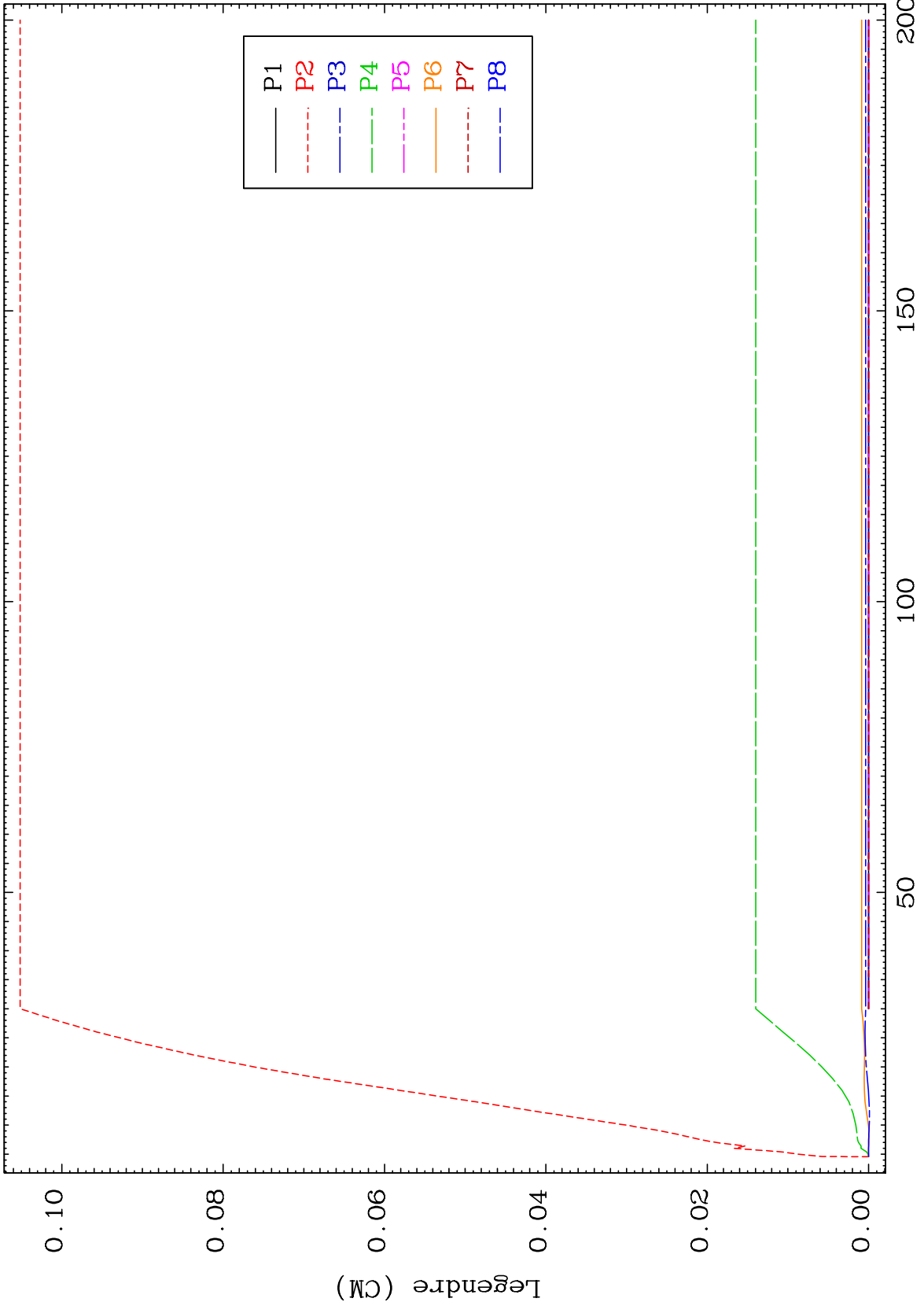
Incident Energy (MeV)

MAT 3940 MT= 72 (n,n') Level Legendre Coefficients 39-Y -94



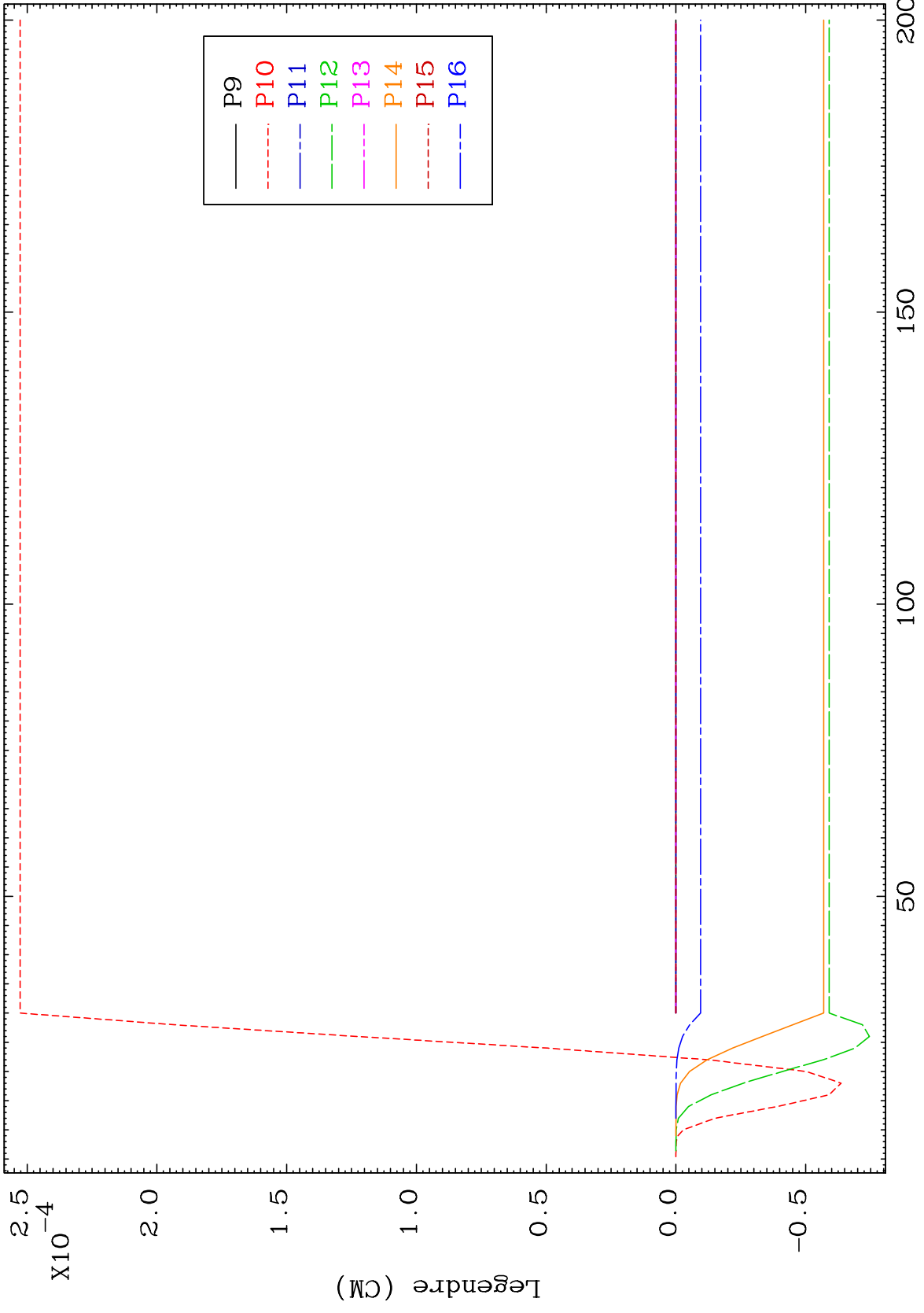
92 39-Y -94

MAT 3940 MT= 73 (n,n') Level Legendre Coefficients 39-Y -94



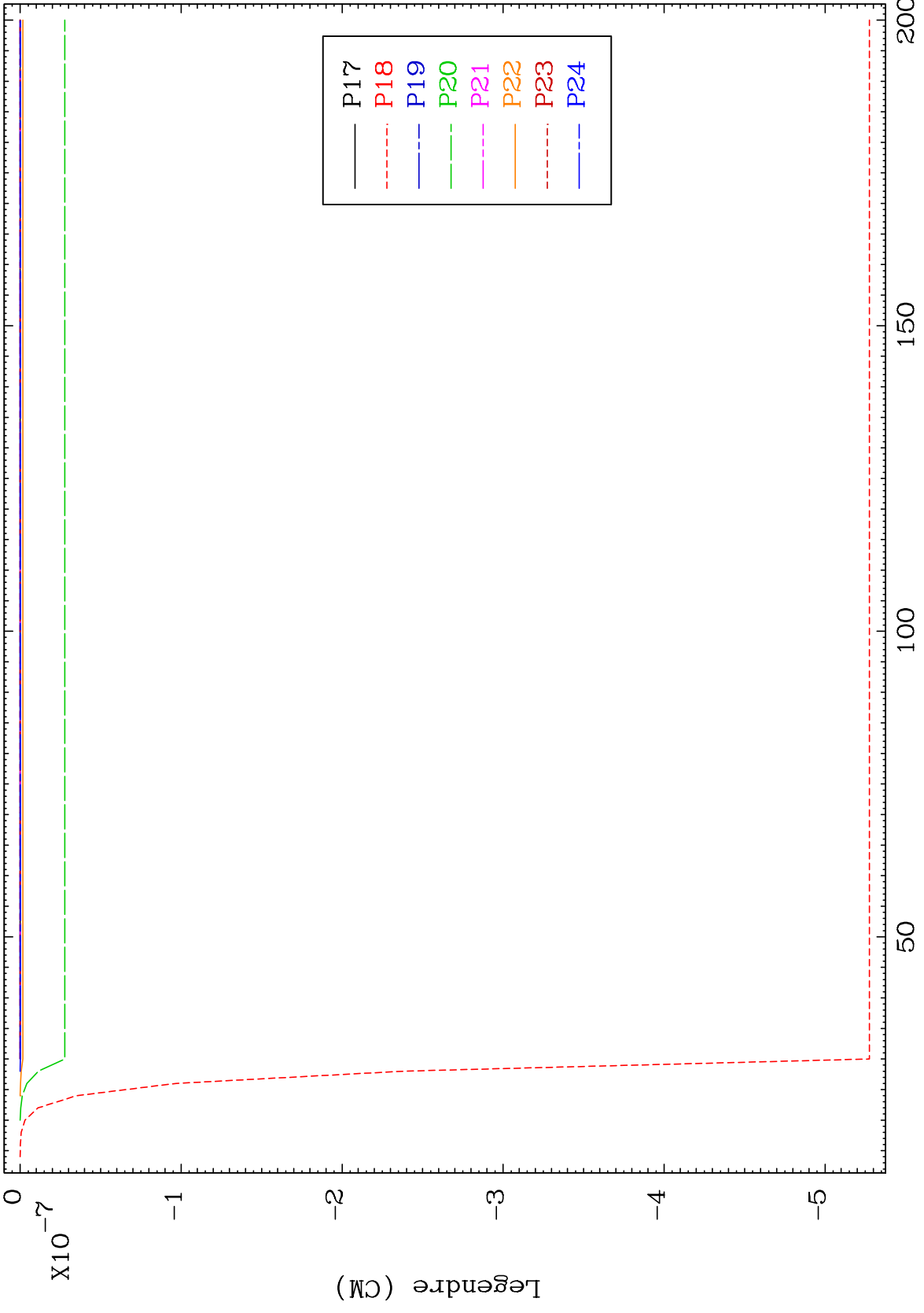
93 39-Y -94

MAT 3940 MT= 73 (n,n') Level Legendre Coefficients 39-Y -94



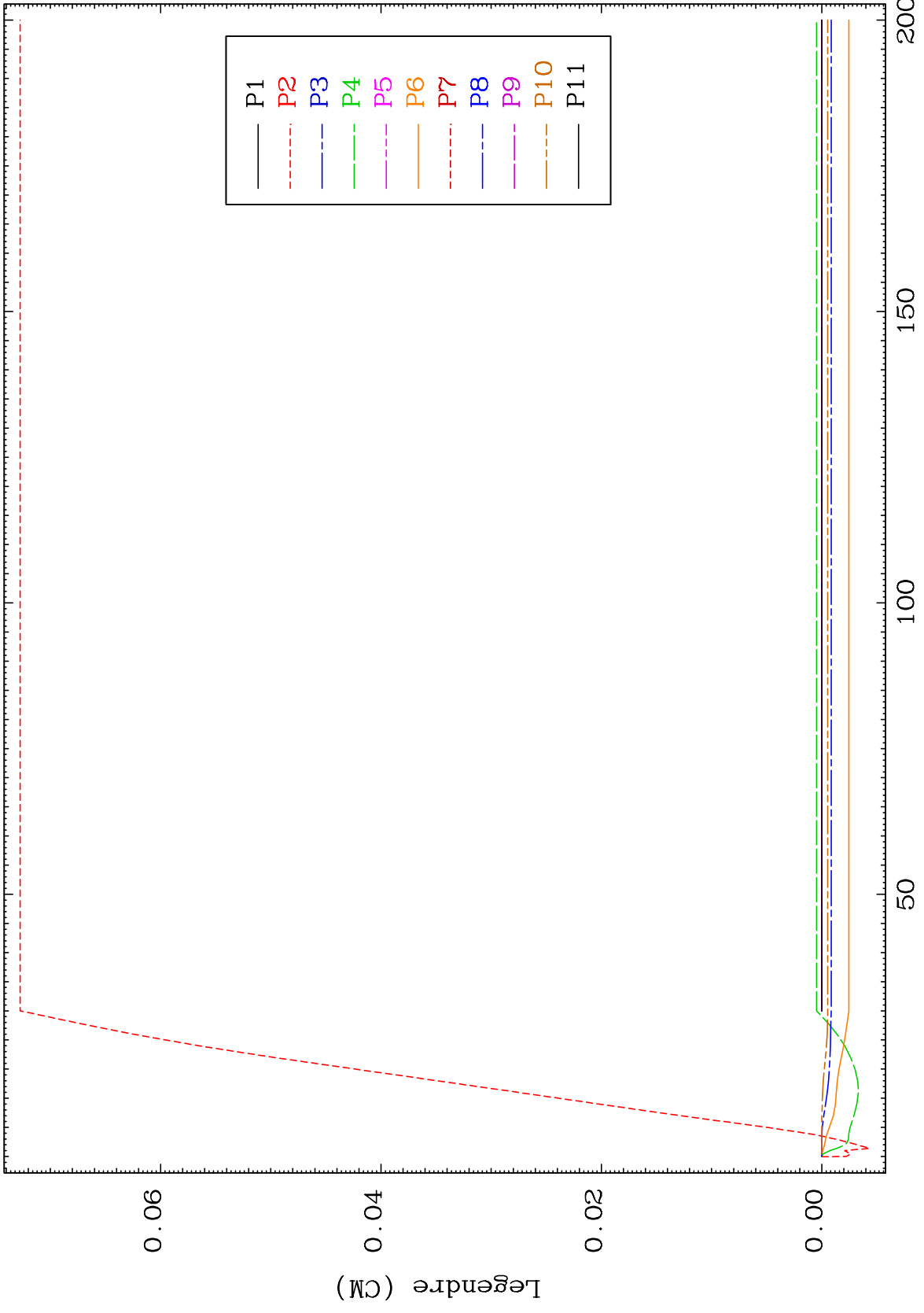
94 Incident Energy (MeV) 39-Y -94

MAT 3940 MT= 73 (n,n') Level Legendre Coefficients 39-Y -94



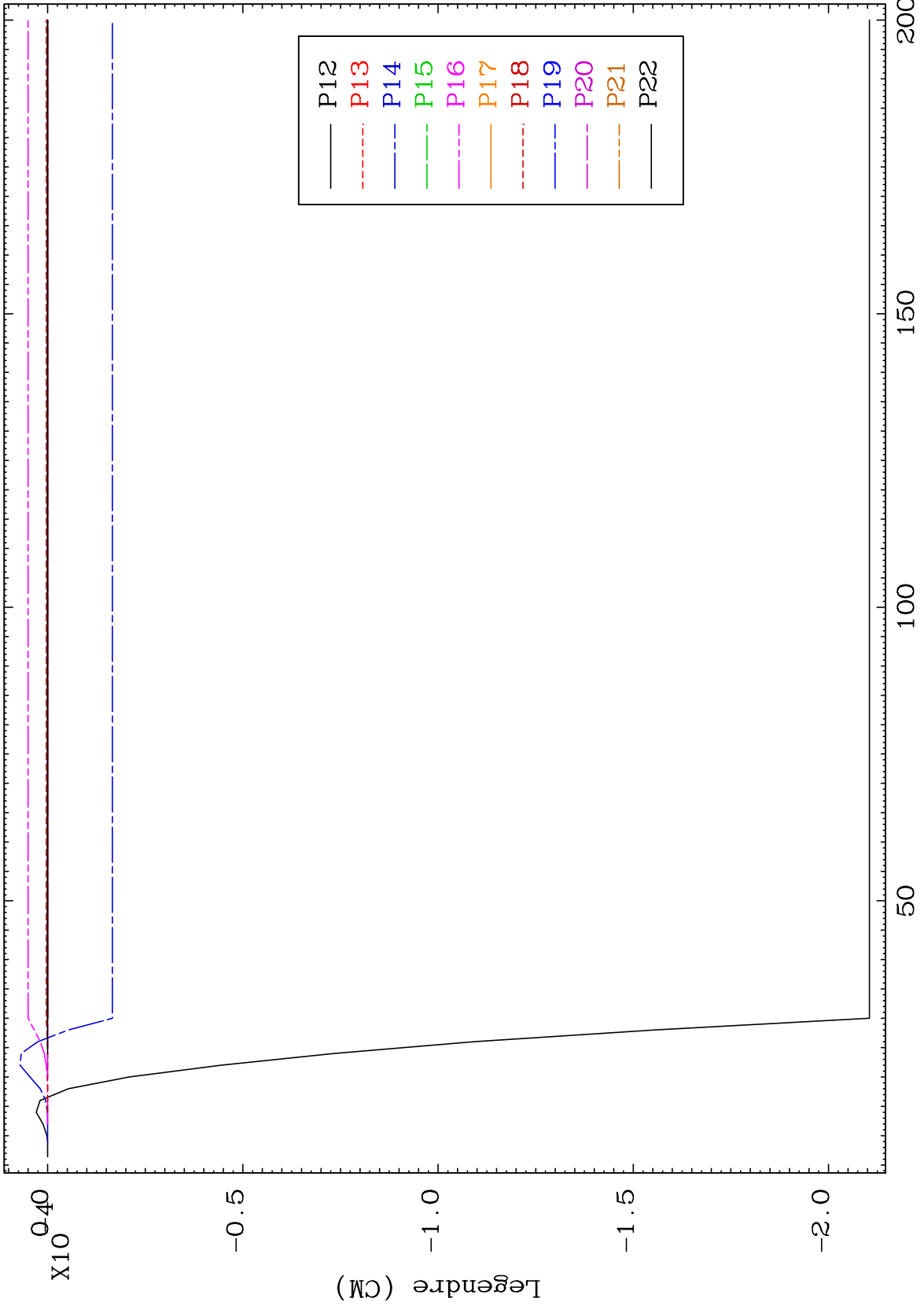
95 39-Y -94

MAT 3940 MT= 74 (n,n') Level Legendre Coefficients 39-Y -94

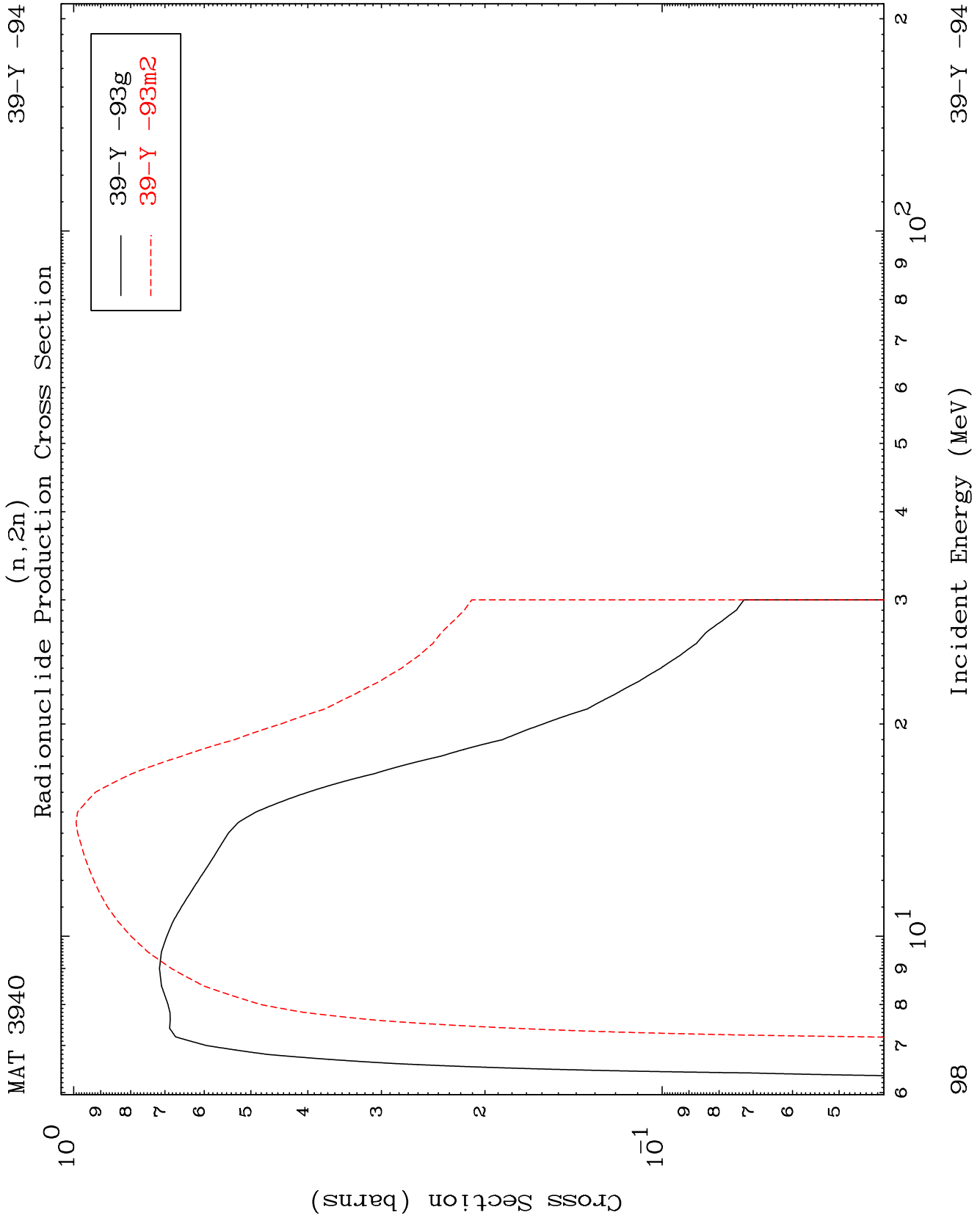


96 39-Y -94

MAT 3940 MT= 74 (n,n') Level Legendre Coefficients 39-Y -94



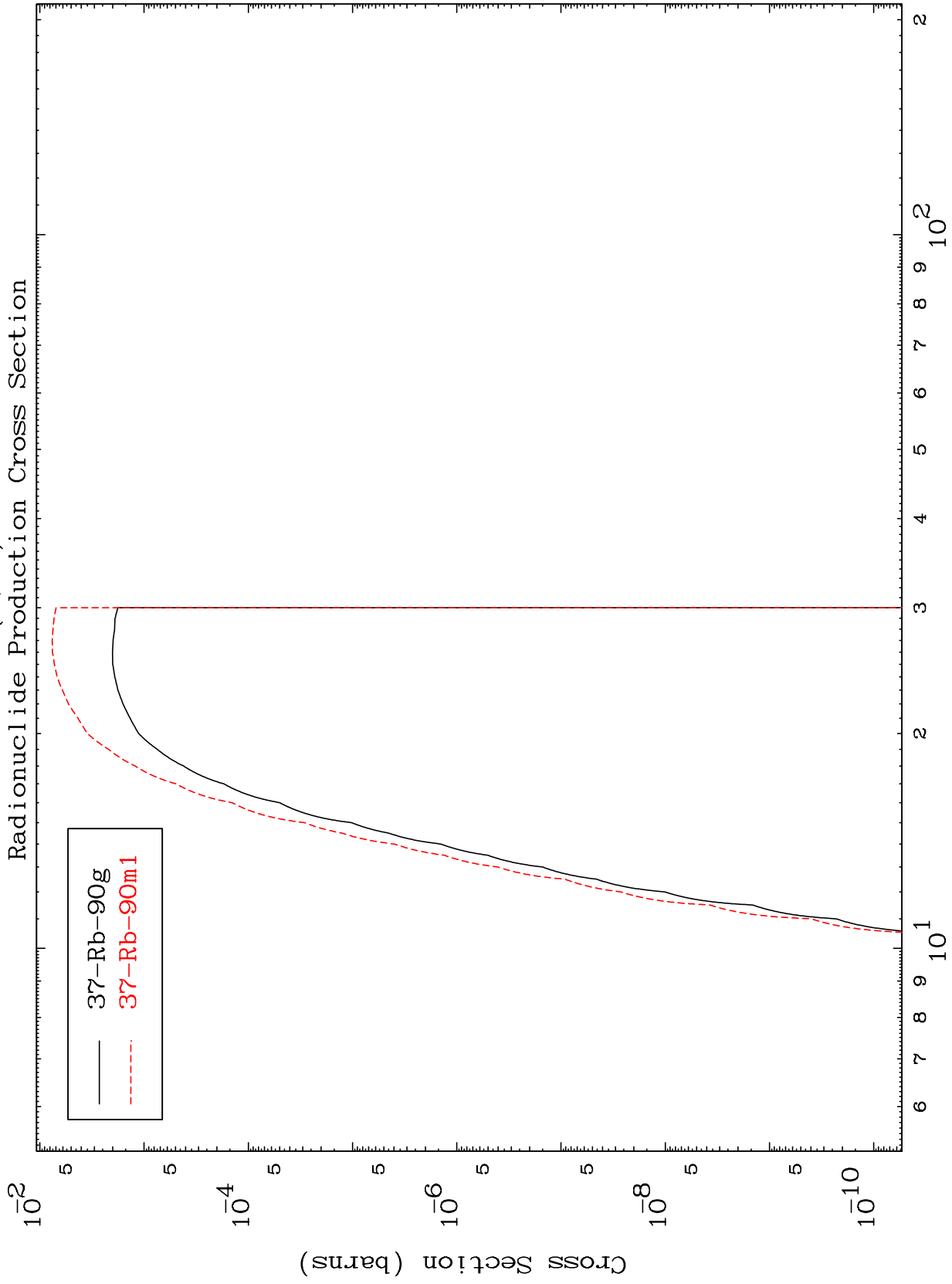
97 39-Y -94



MAT 3940

(n,n') α

39-Y -94



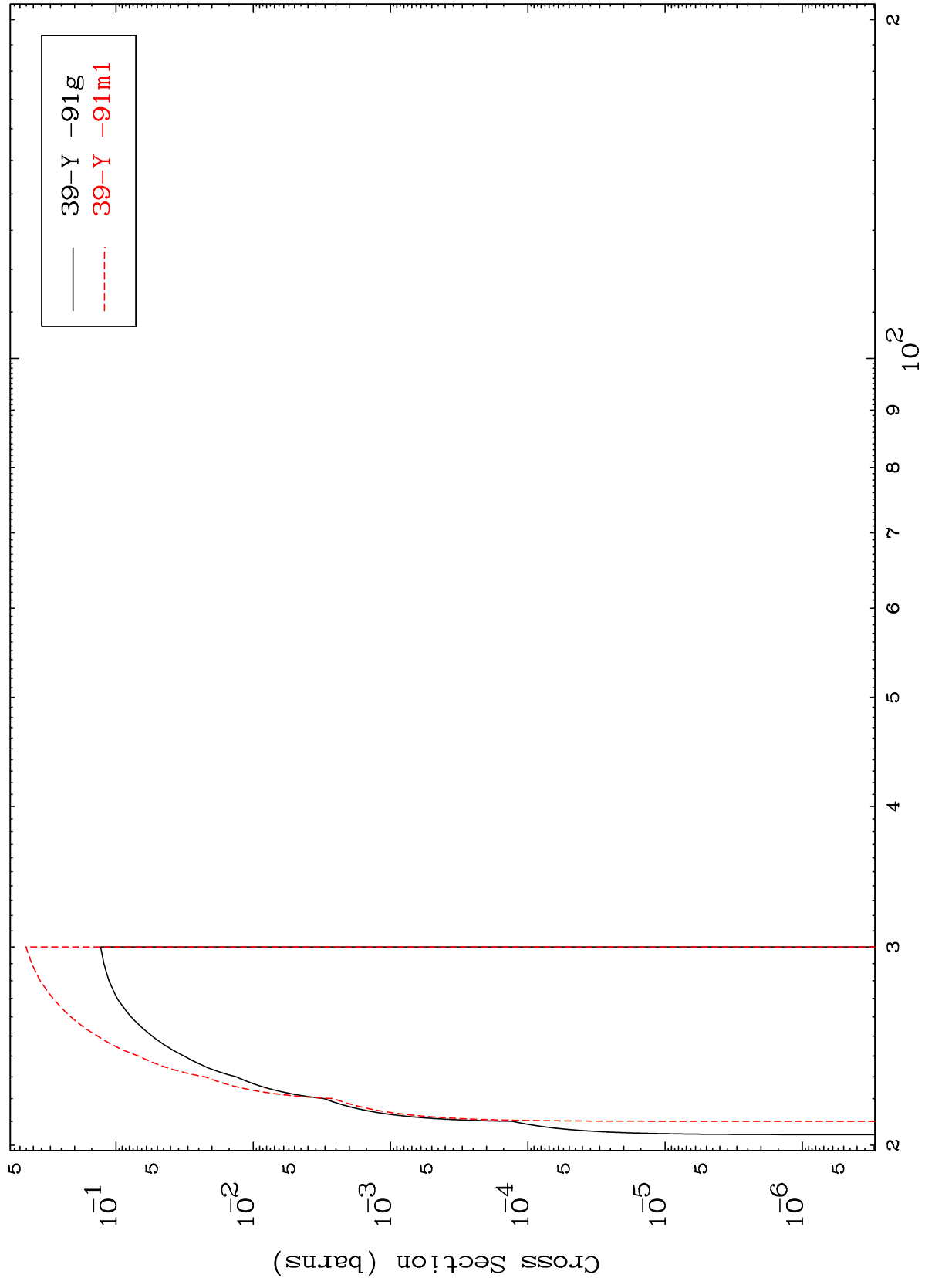
39-Y -94

Incident Energy (MeV)

99

MAT 3940 (n,4n) 39-Y -94

Radionuclide Production Cross Section



100 10² Incident Energy (MeV) 39-Y -94