

Program EVALPLOT
(Version 2021-1)

by

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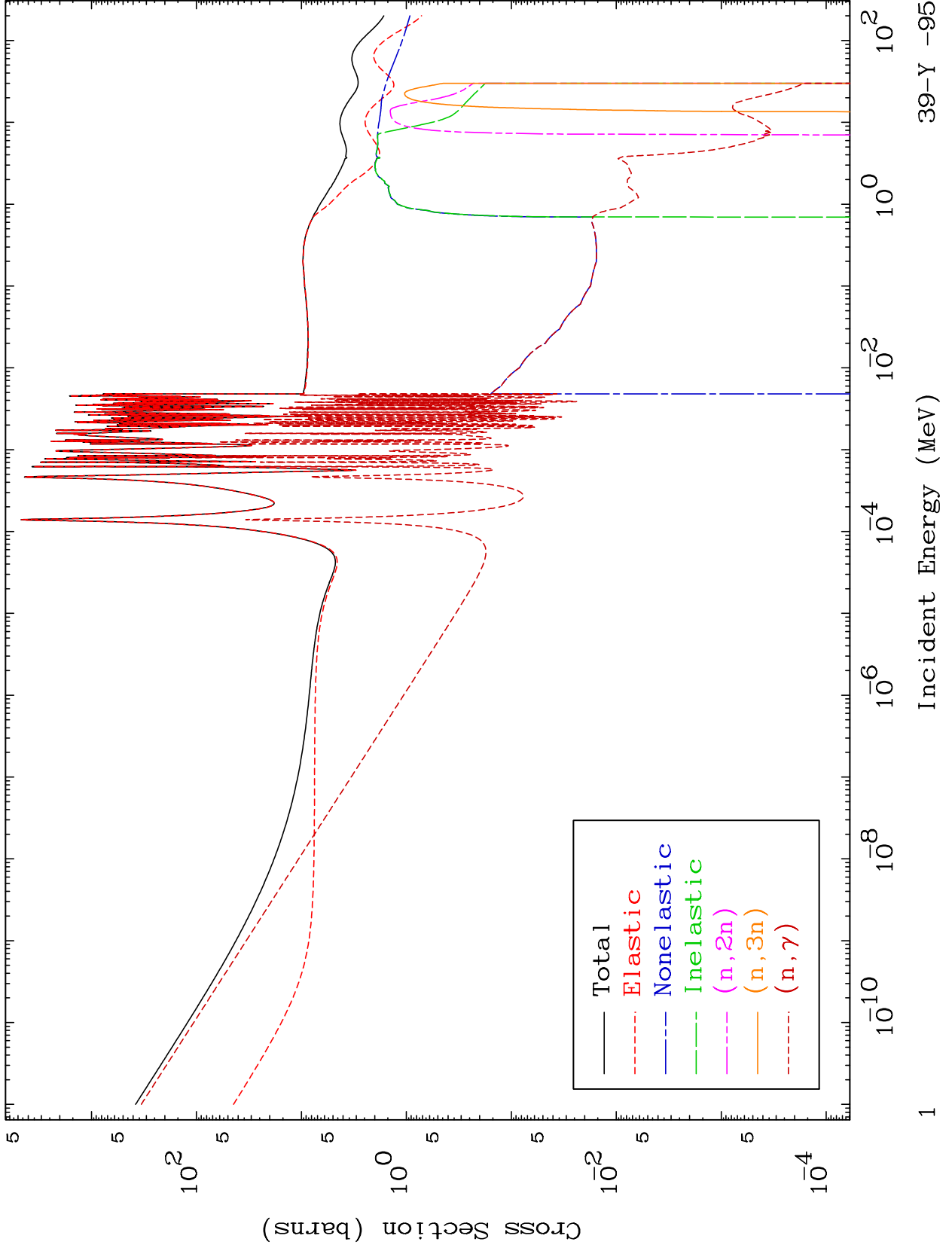
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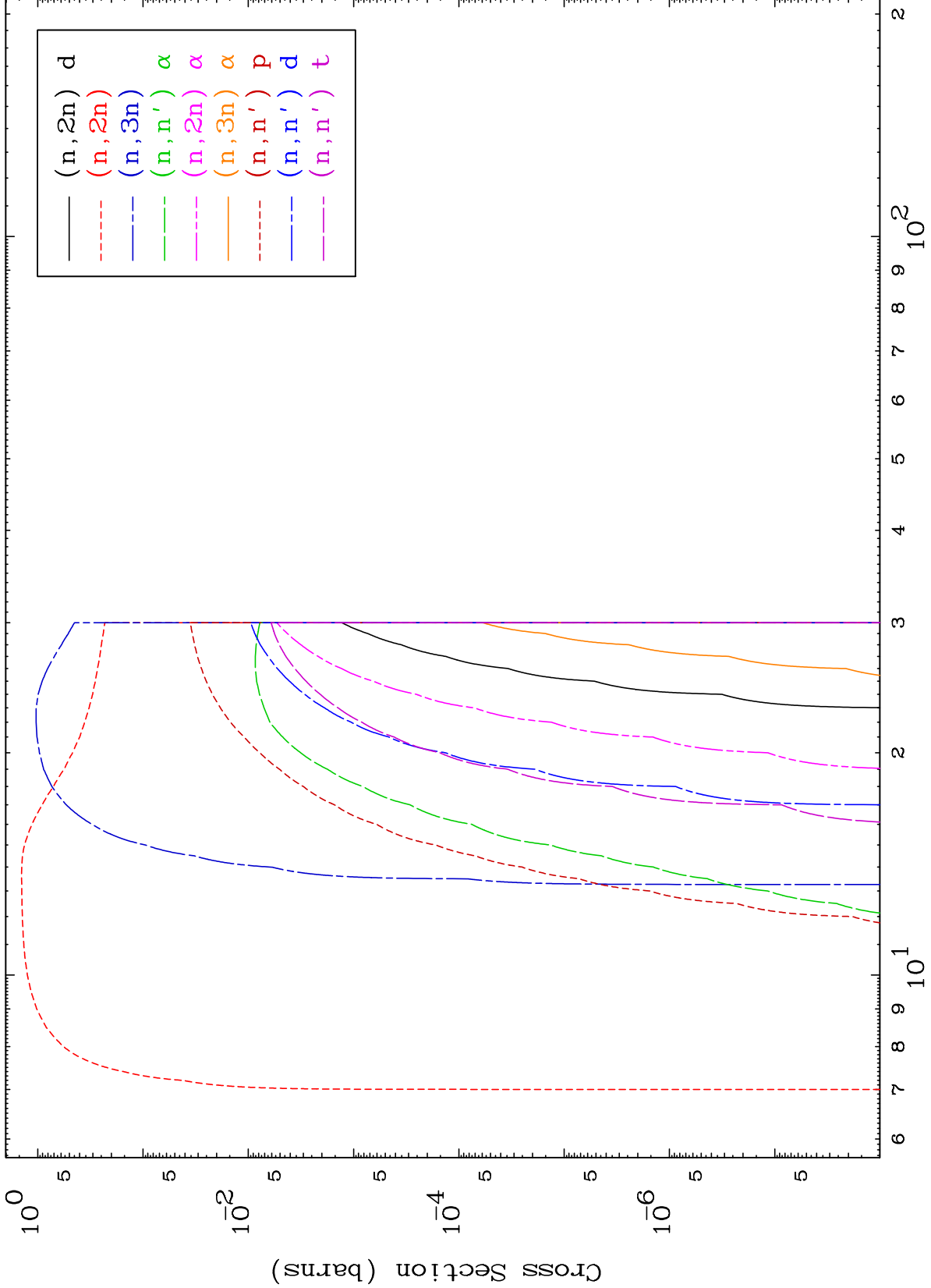
Press Mouse Button to Start

MAT 3943

Neutron Major
293 Kelvin Cross Sections

39-Y -95

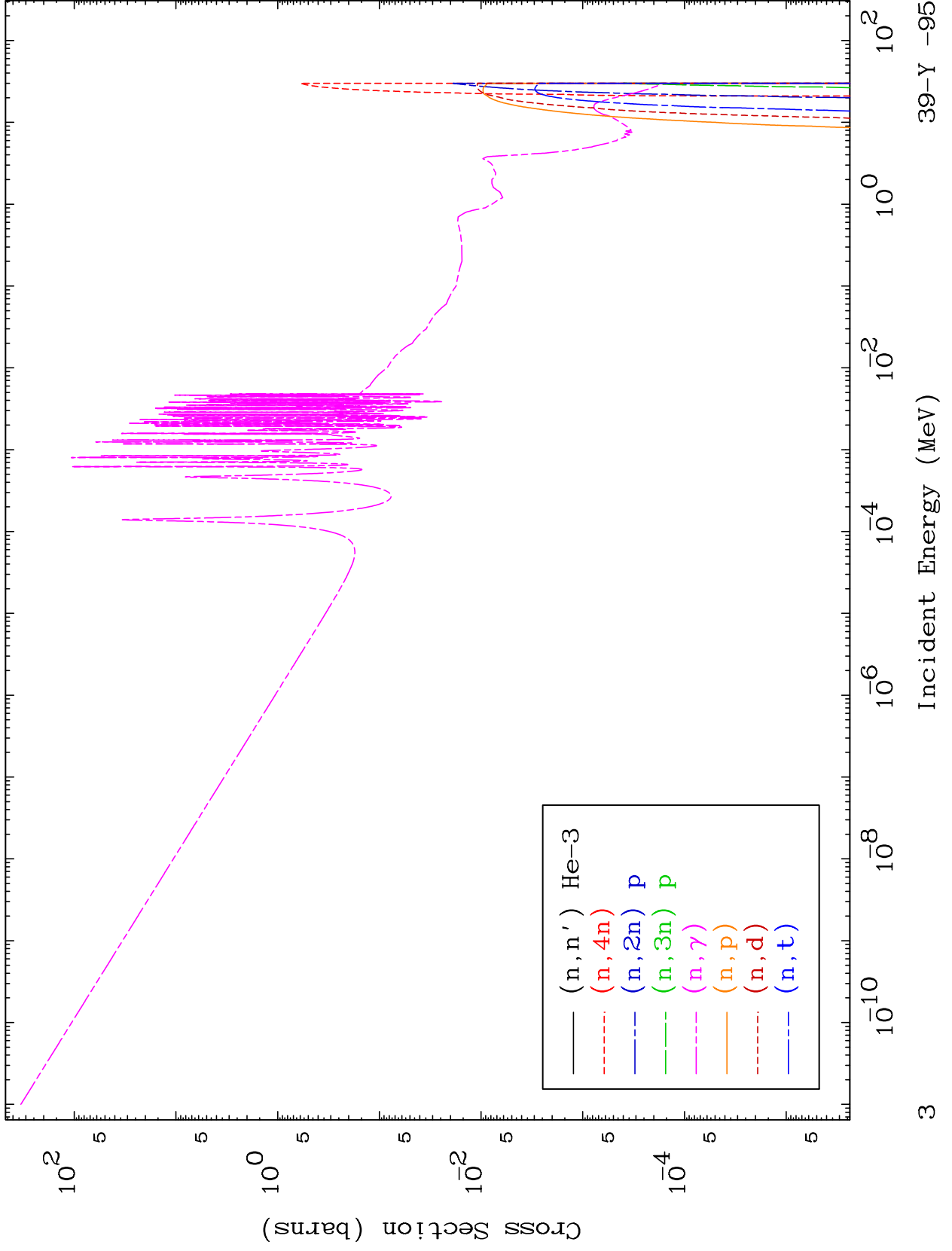




MAT 3943

Neutron Absorption
293 Kelvin Cross Sections

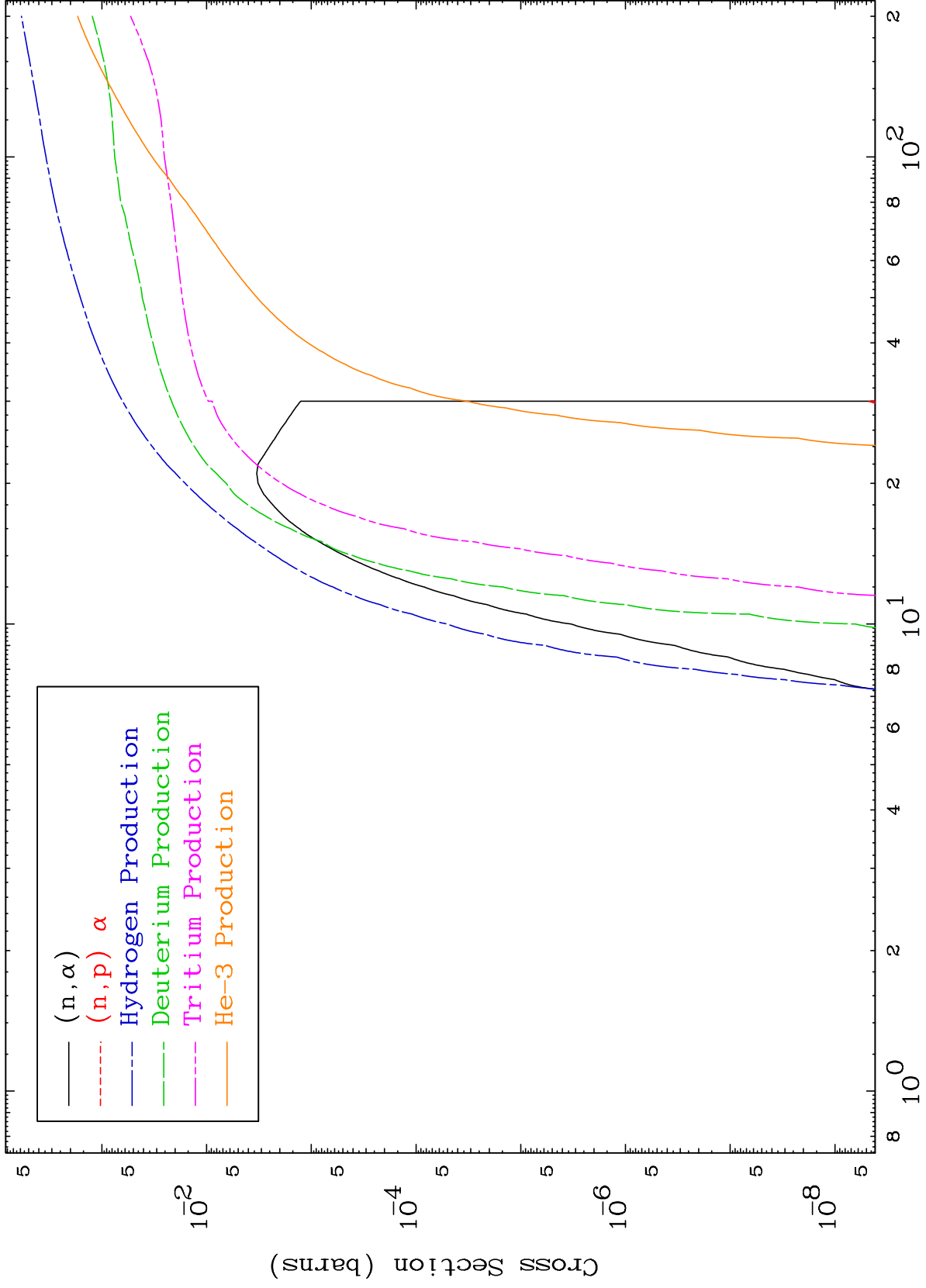
39-Y -95



MAT 3943

Neutron Absorption
293 Kelvin Cross Sections

39-Y -95



4

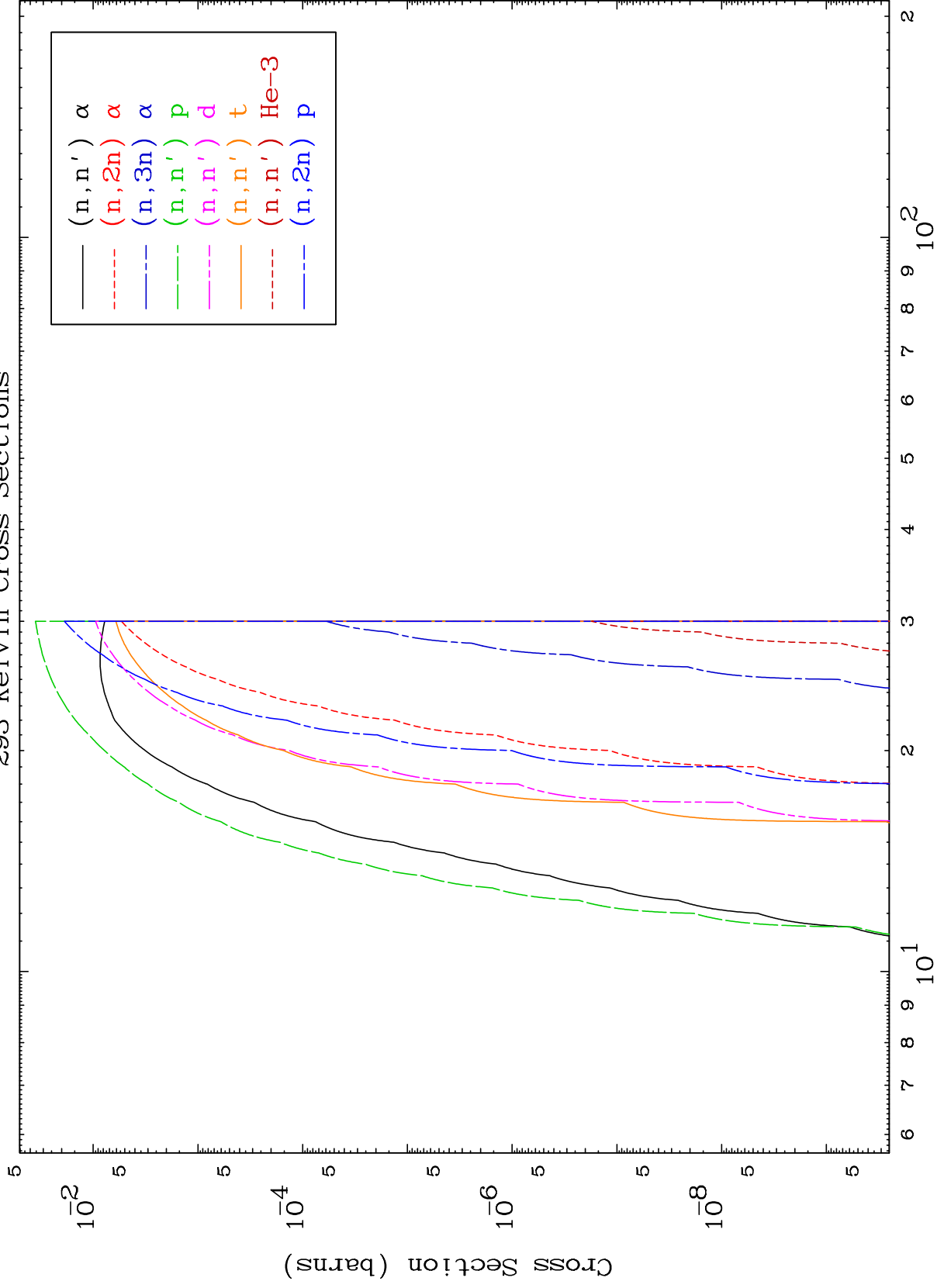
Incident Energy (MeV)

39-Y -95

MAT 3943

Charged Particle
293 Kelvin Cross Sections

39-Y -95



5

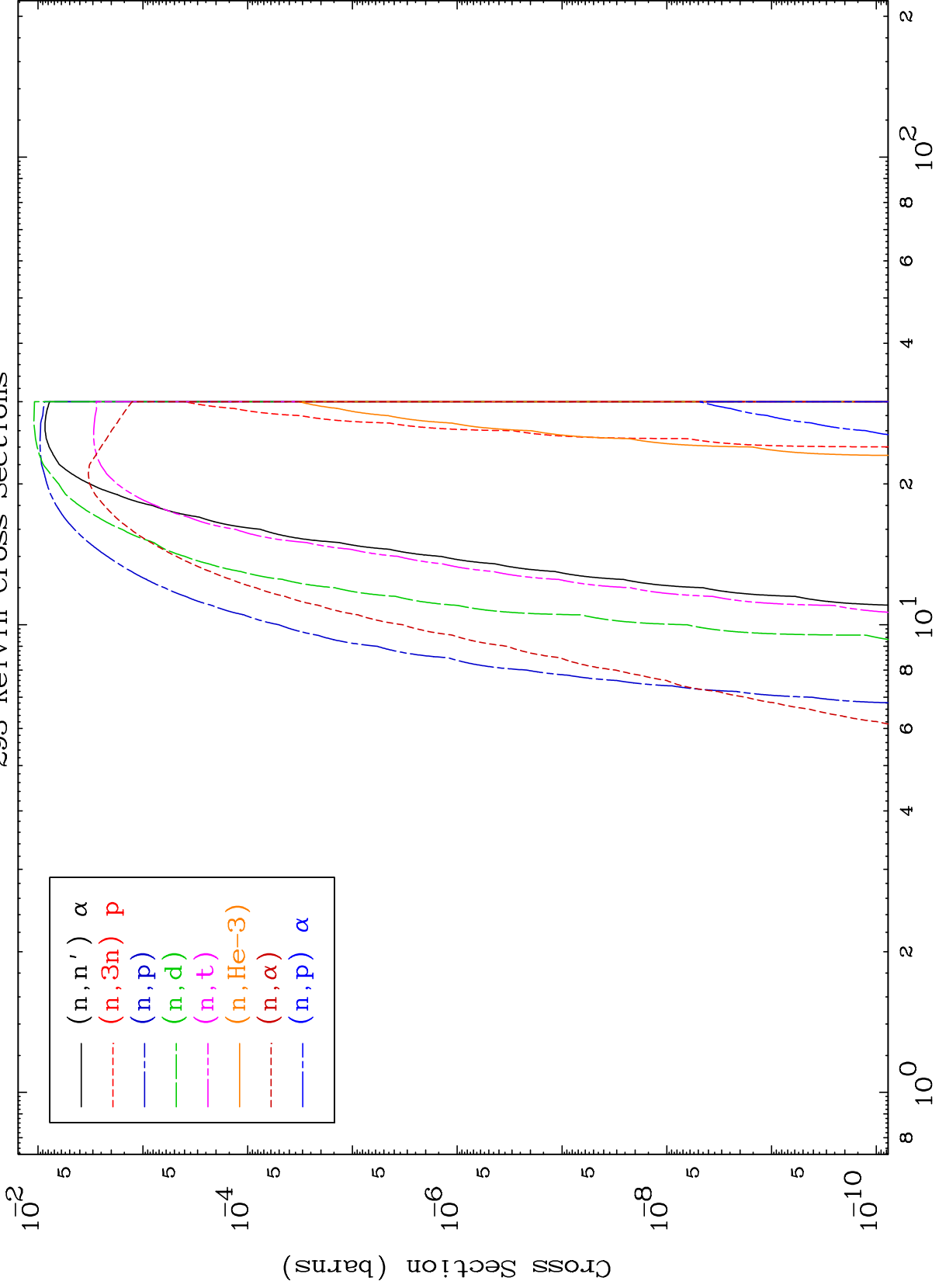
Incident Energy (MeV)

39-Y -95

MAT 3943

Charged Particle
293 Kelvin Cross Sections

39-Y -95



Incident Energy (MeV)

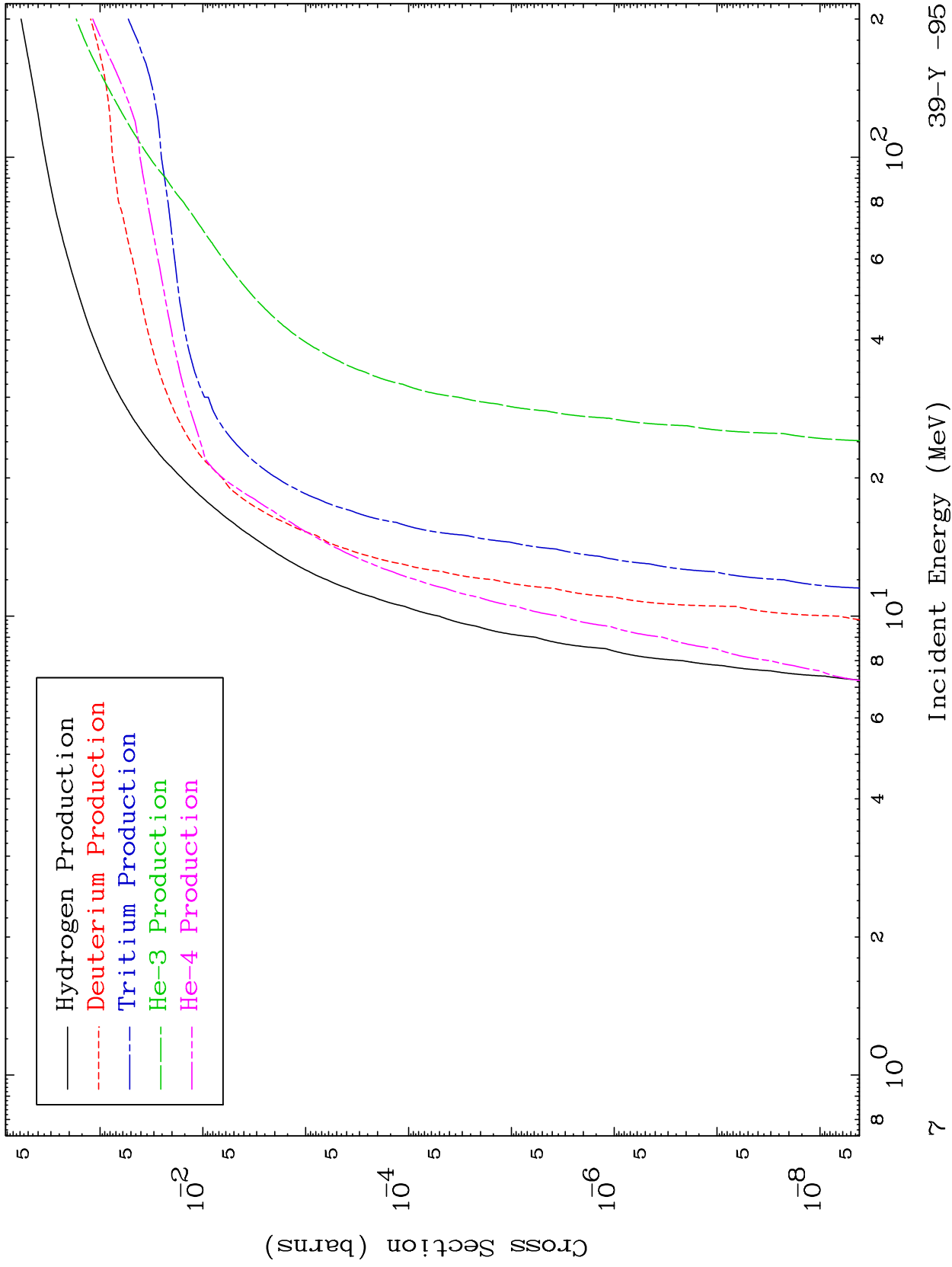
39-Y -95

6

MAT 3943

Particle Production
293 Kelvin Cross Sections

39-Y -95



7

Incident Energy (MeV)

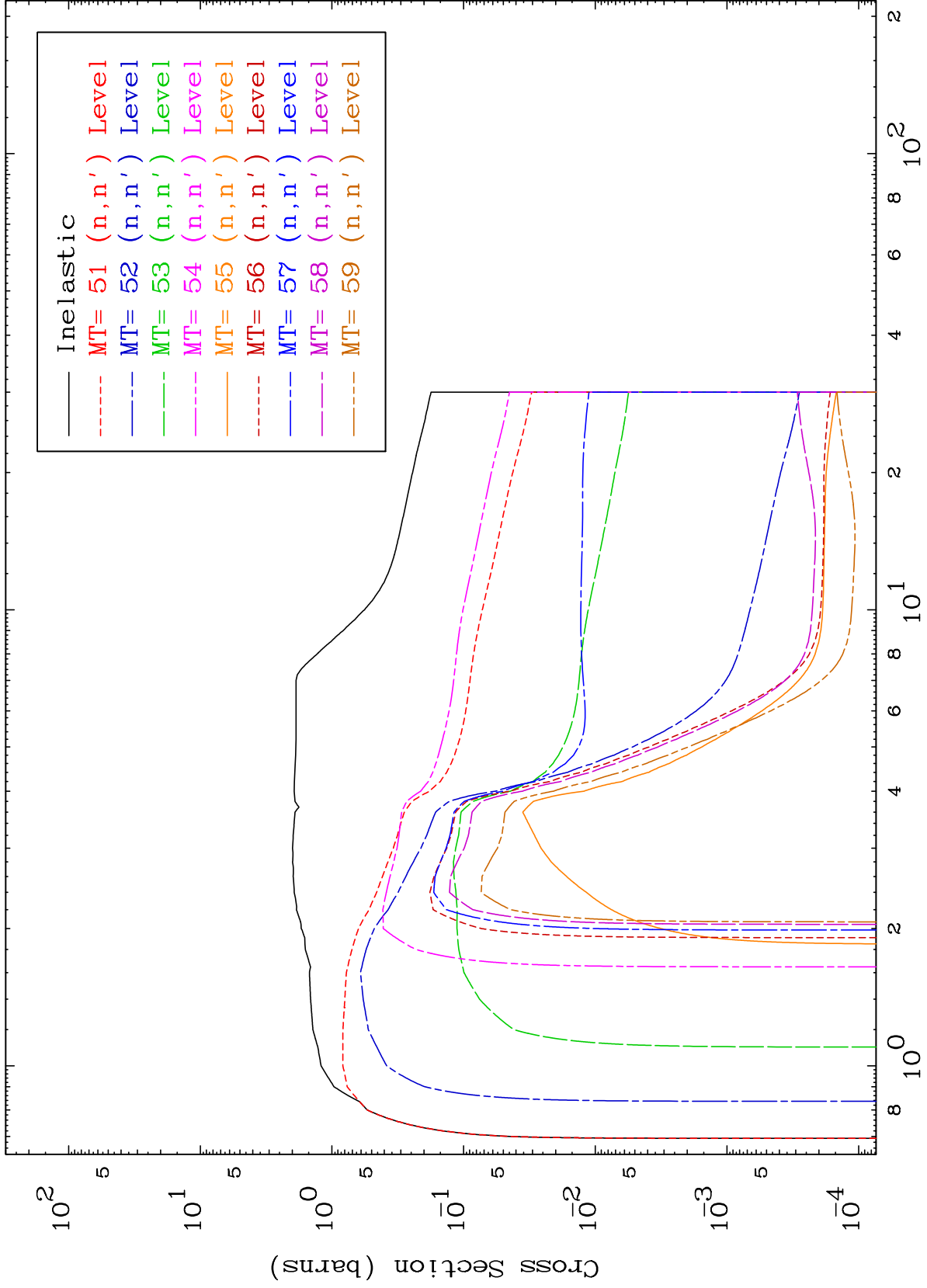
39-Y -95

MAT 3943

(n,n') Levels

39-Y -95

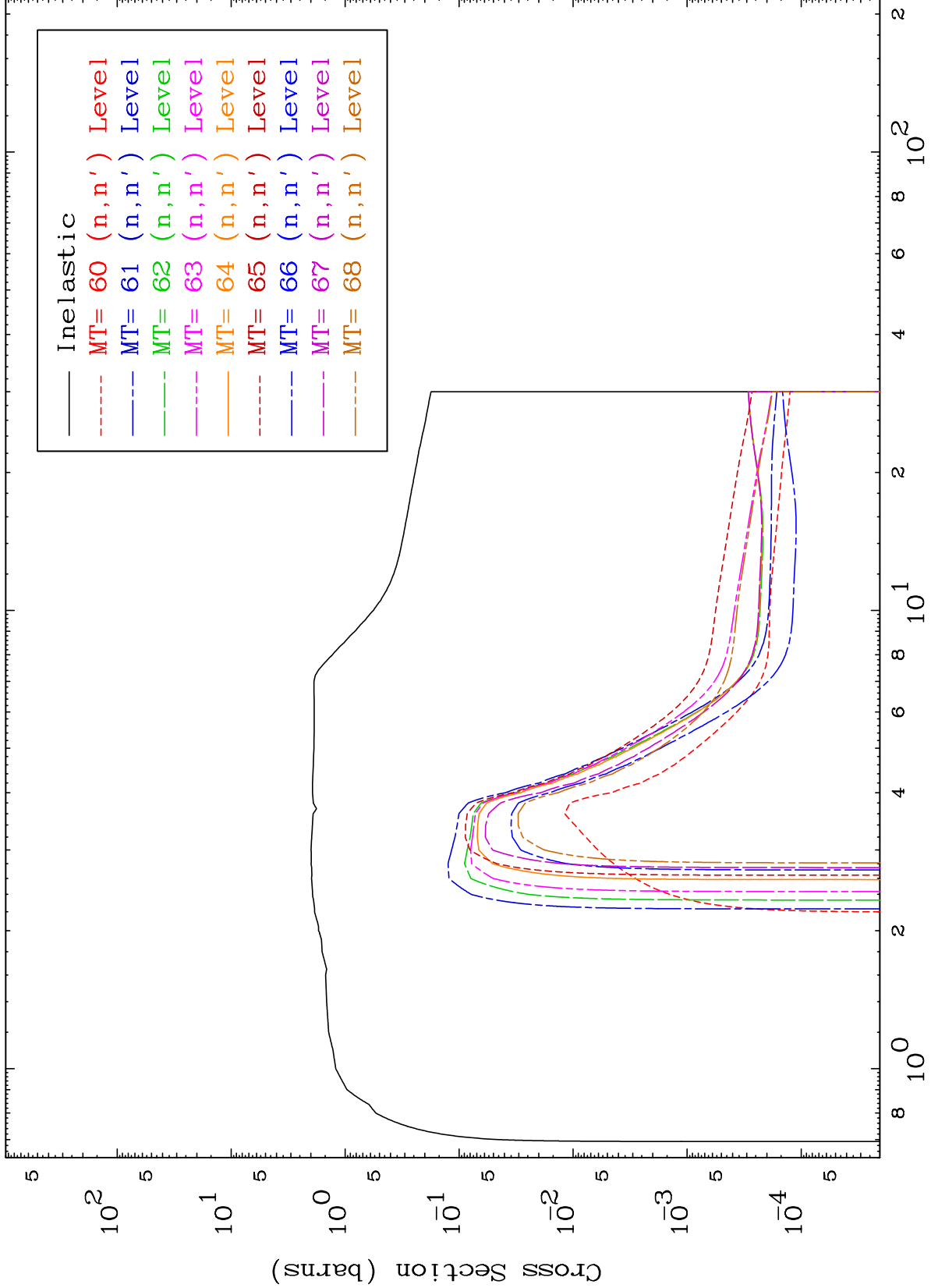
293 Kelvin Cross Sections



8

Incident Energy (MeV)

39-Y -95



MAT 3943

(n,n') Levels

39-Y -95

293 Kelvin Cross Sections

10^6

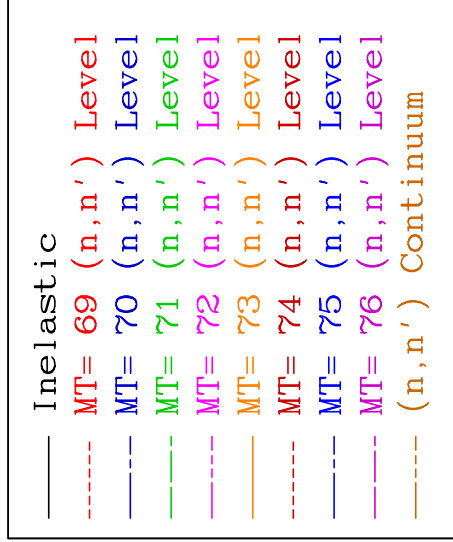
10^3

10^0

10^{-3}

10^{-6}

Cross Section (barns)



8 10^0

2

4

6

8

10

2

4

6

8

10

10

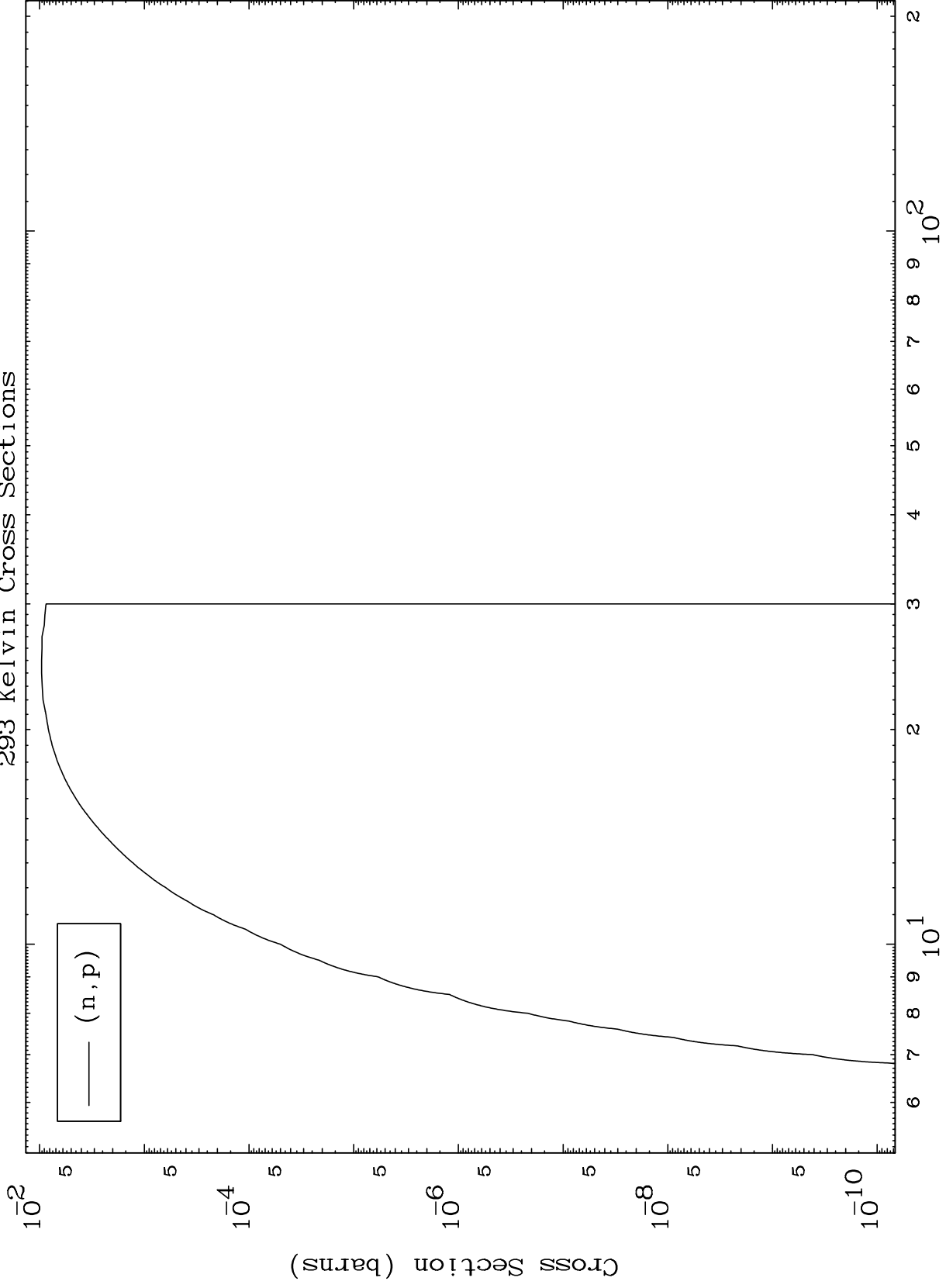
Incident Energy (MeV)

39-Y -95

MAT 3943

(n,p) Levels
293 Kelvin Cross Sections

39-Y -95



11

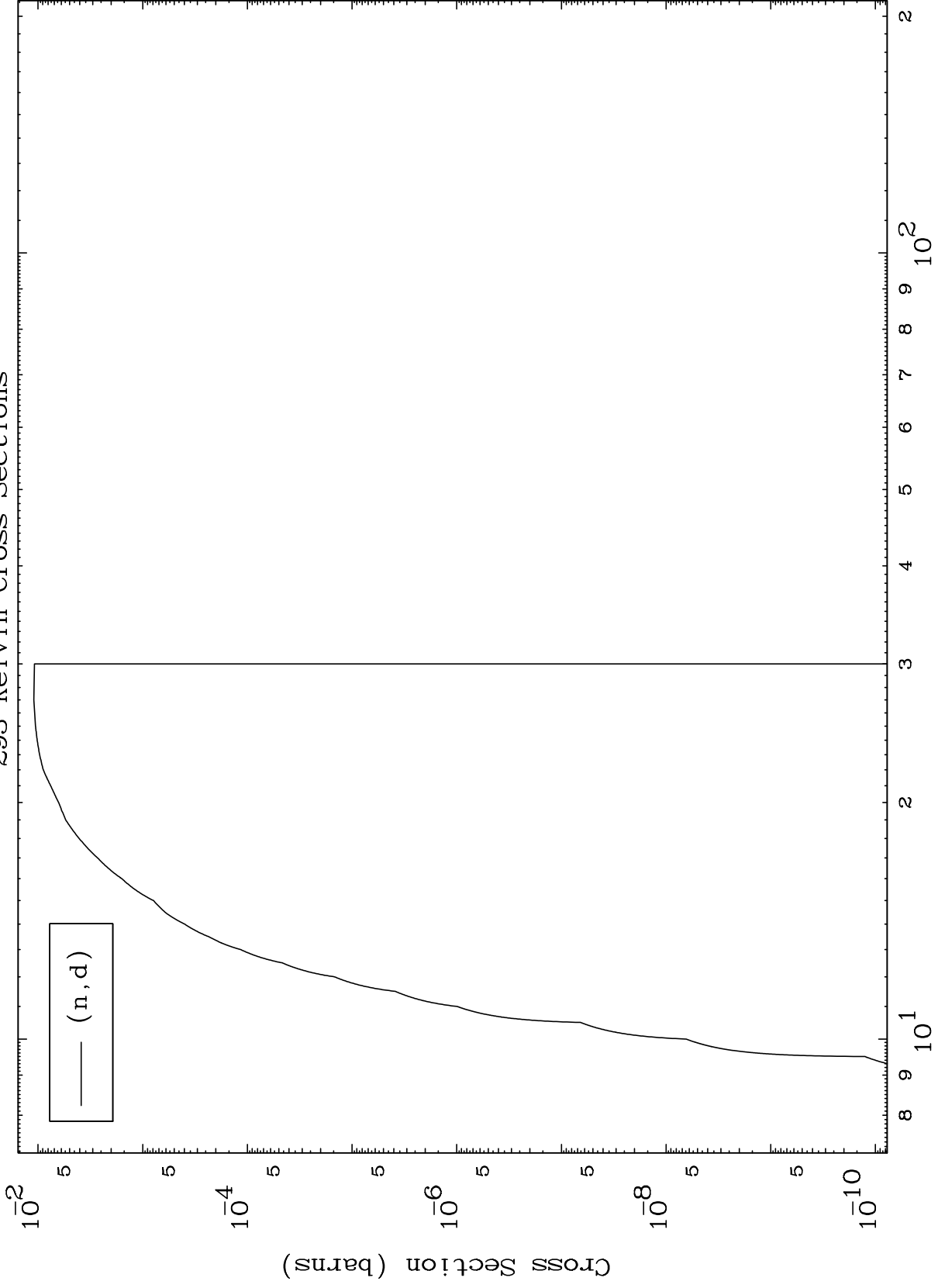
Incident Energy (MeV)

39-Y -95

MAT 3943

(n,d) Levels
293 Kelvin Cross Sections

39-Y -95



12

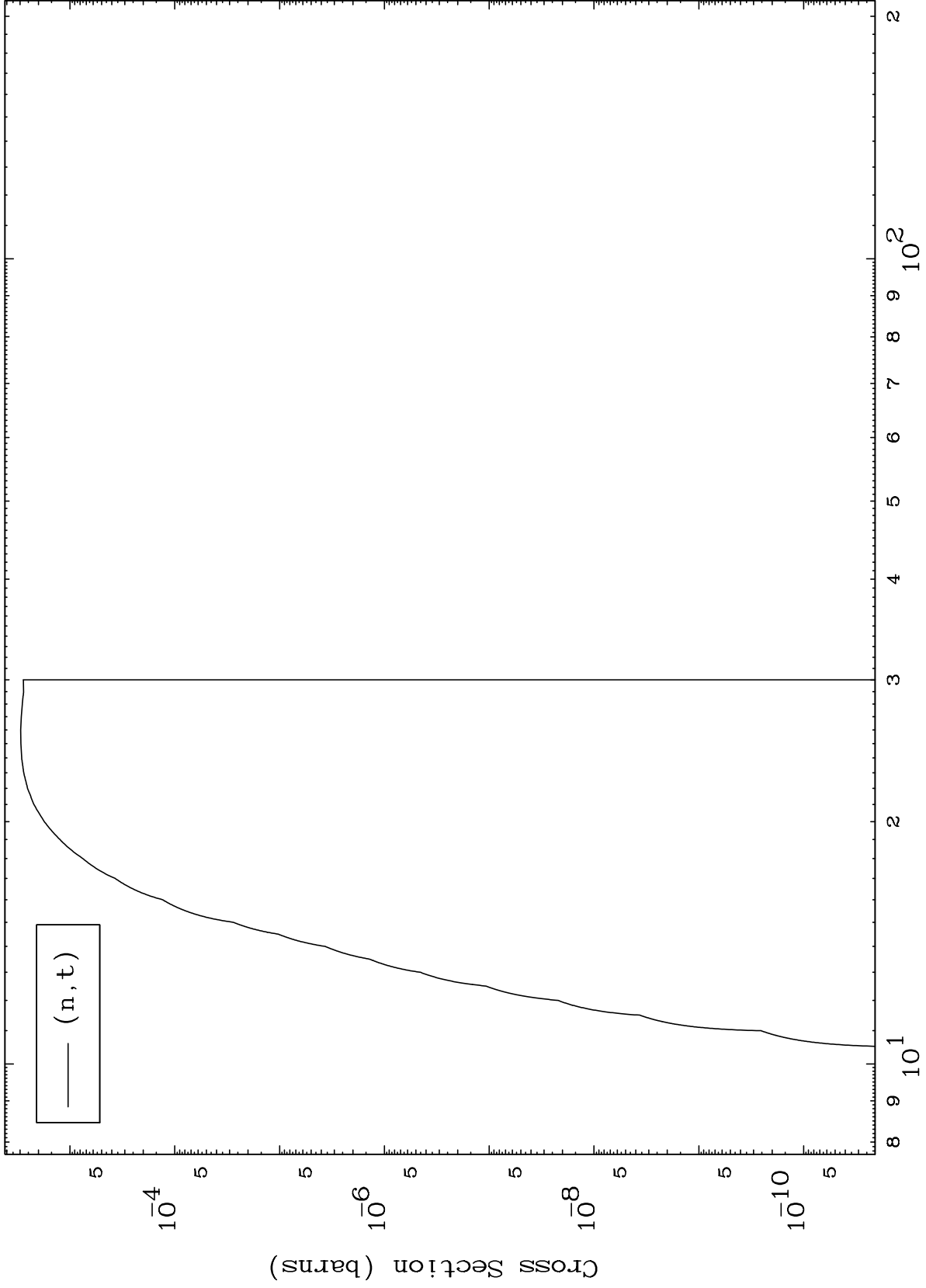
Incident Energy (MeV)

39-Y -95

MAT 3943

(n,t) Levels
293 Kelvin Cross Sections

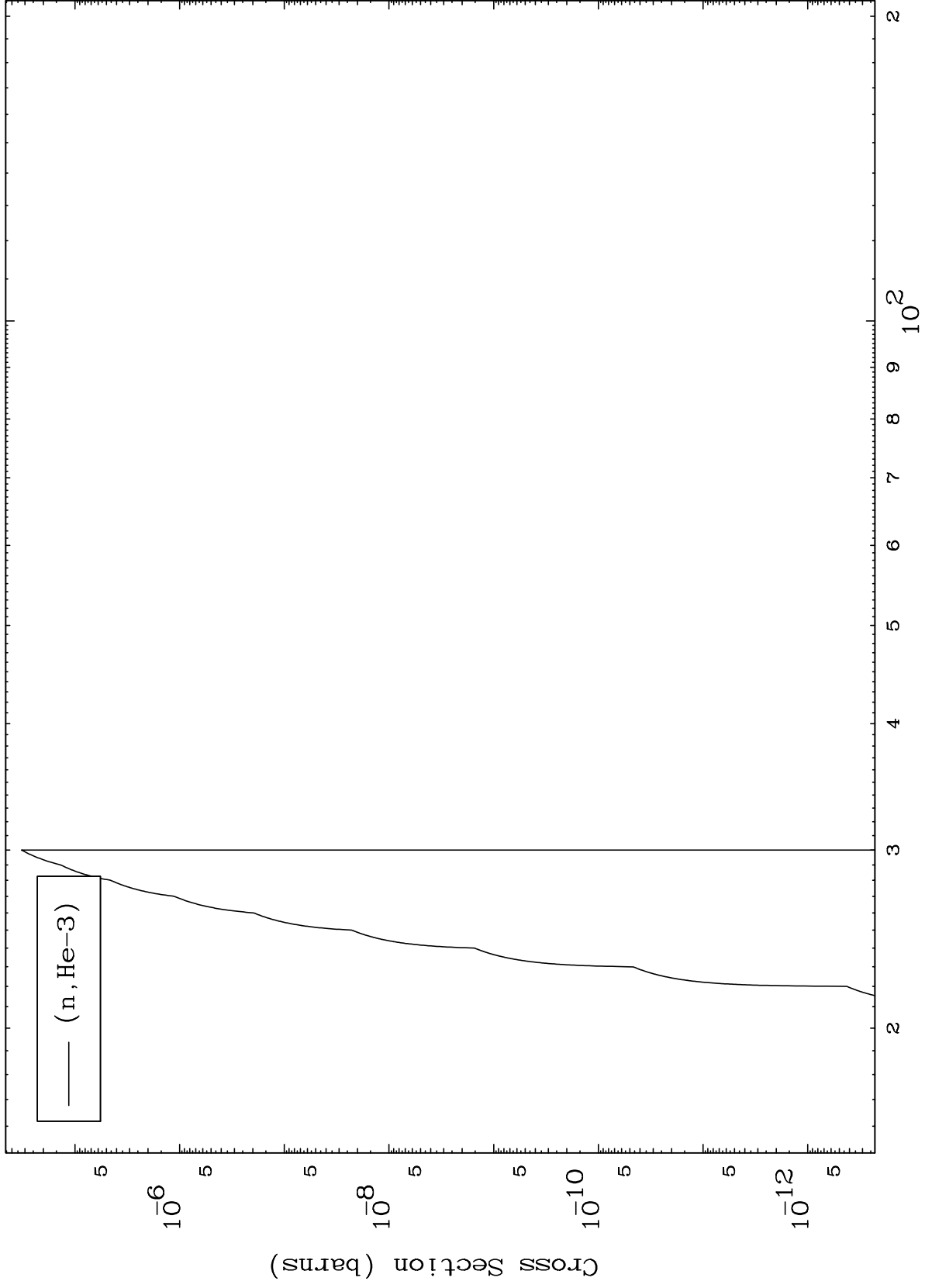
39-Y -95



13

Incident Energy (MeV)

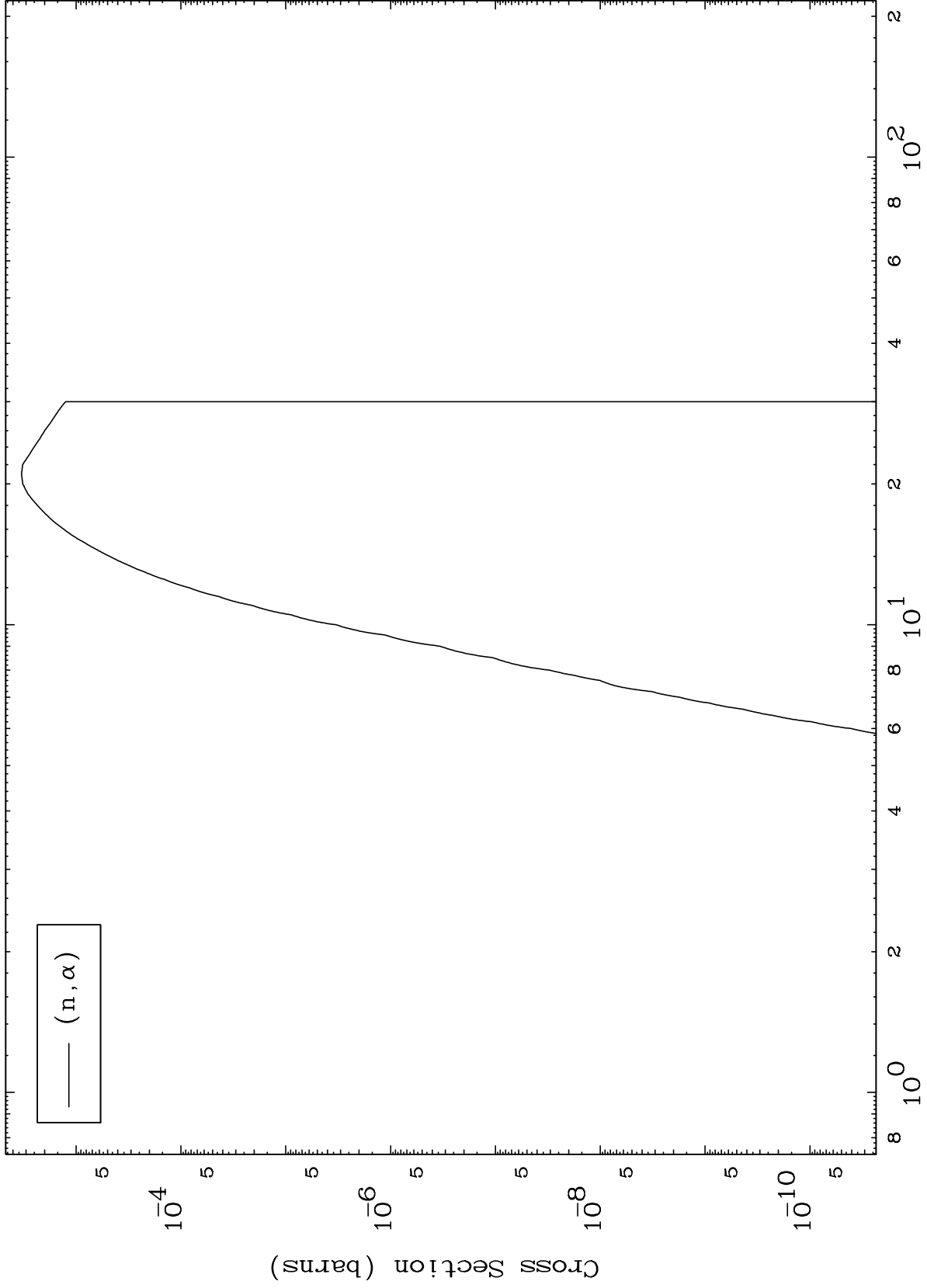
39-Y -95



MAT 3943

(n, α) Levels
293 Kelvin Cross Sections

39-Y -95



15

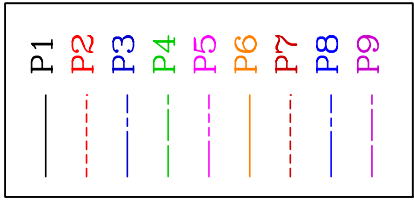
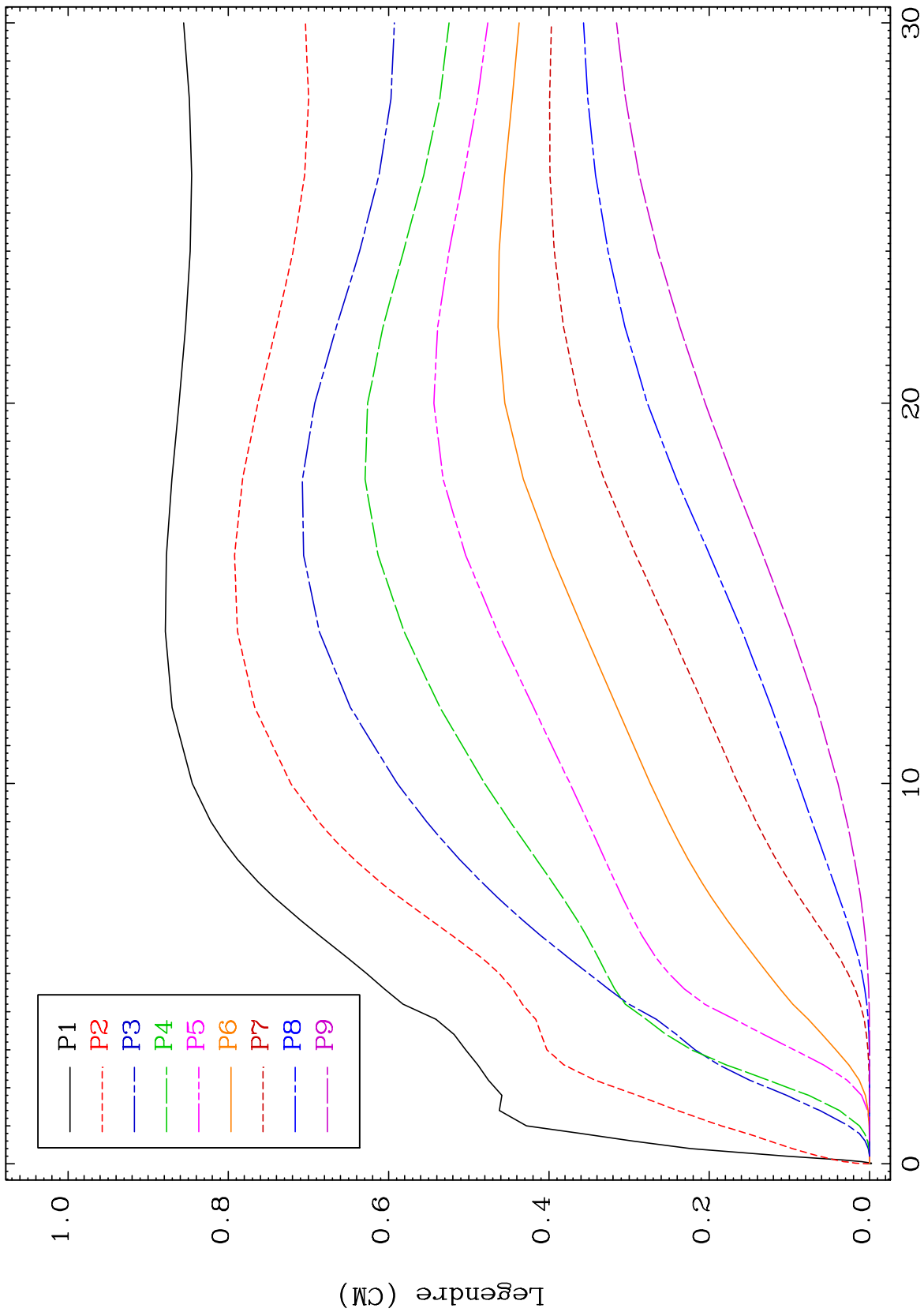
Incident Energy (MeV)

39-Y -95

MAT 3943

Elastic Legendre Coefficients

39-Y -95



16

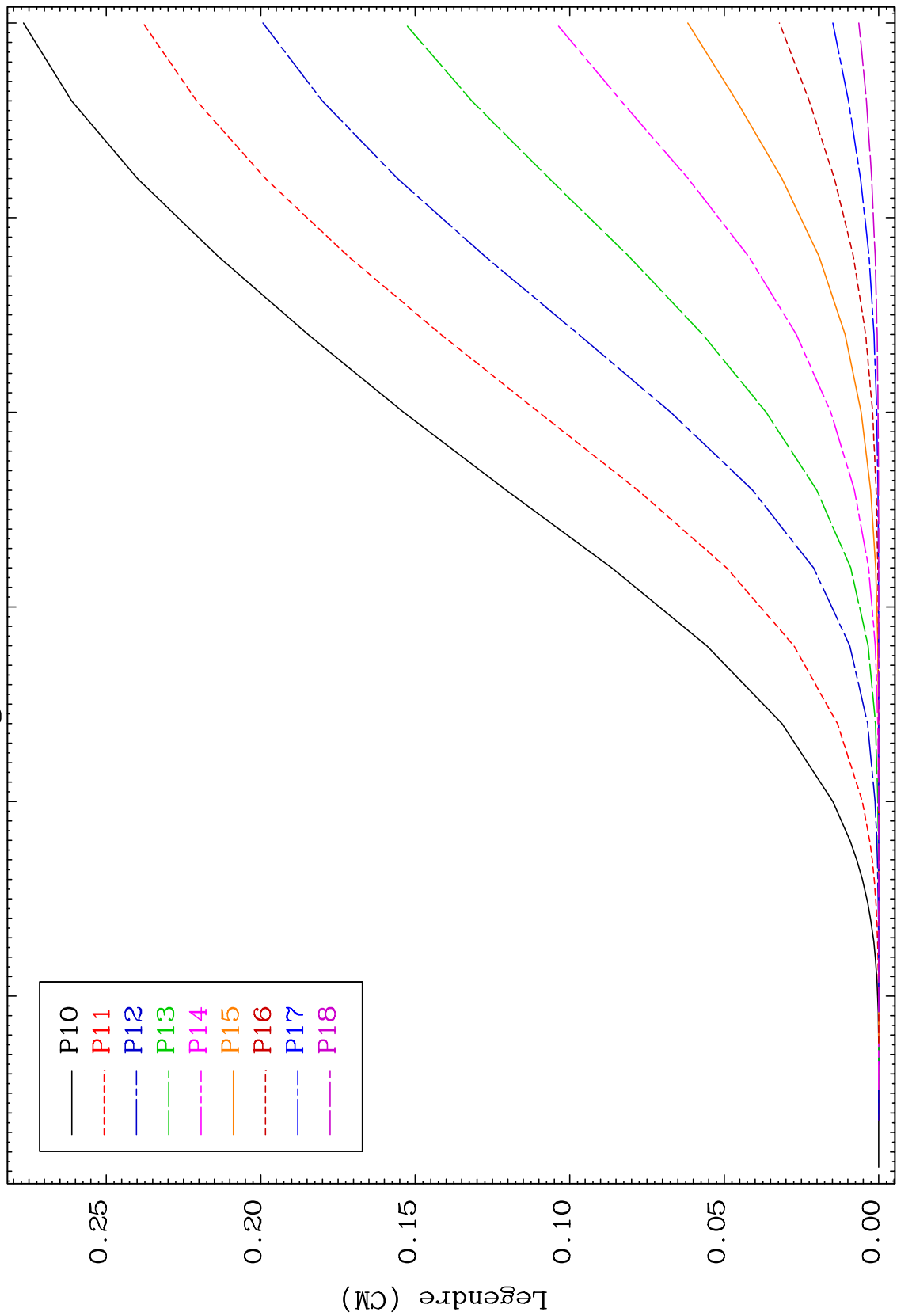
Incident Energy (MeV)

39-Y -95

MAT 3943

Elastic Legendre Coefficients

39-Y -95



17

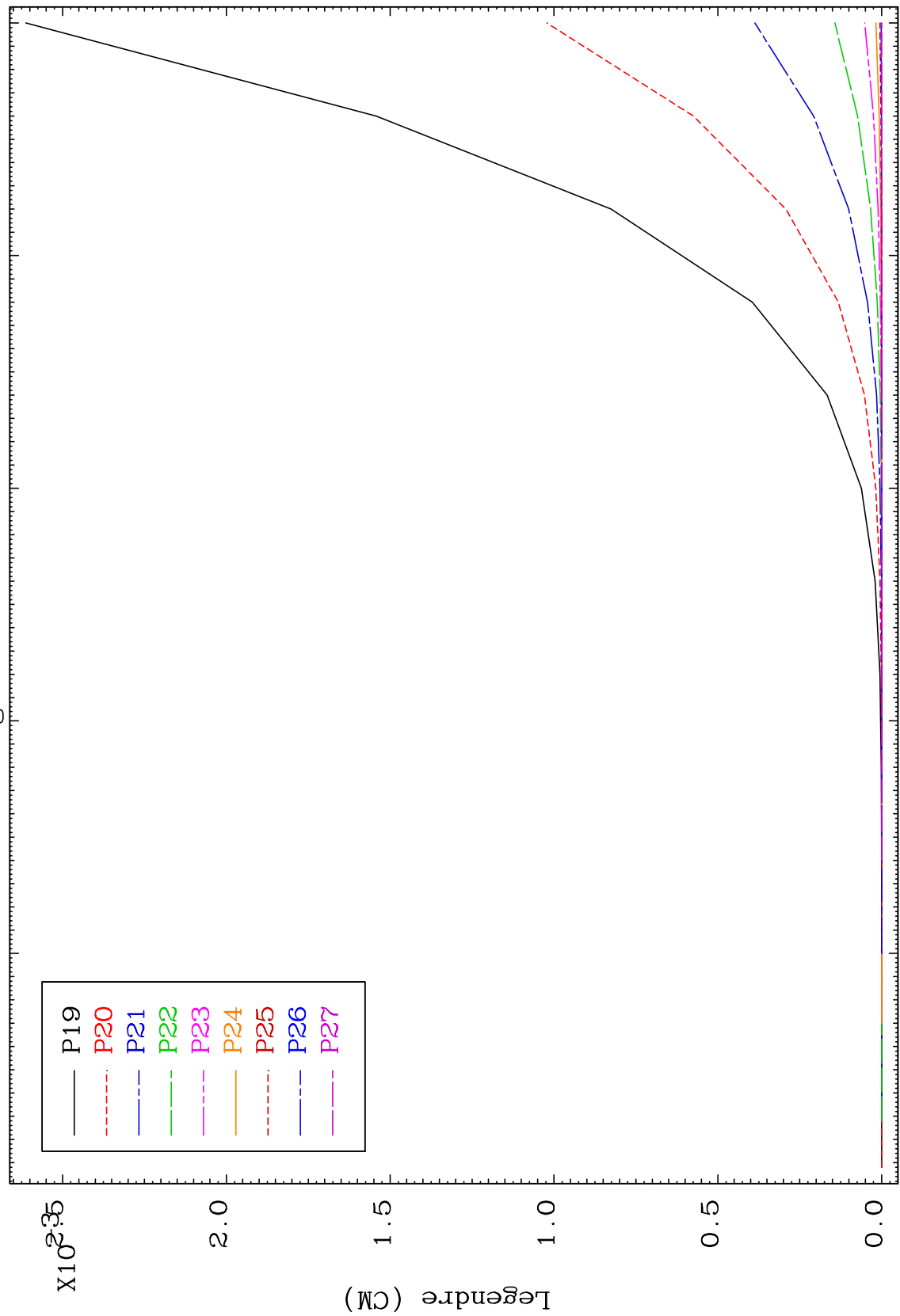
Incident Energy (MeV)

39-Y -95

MAT 3943

Elastic Legendre Coefficients

39-Y -95



18

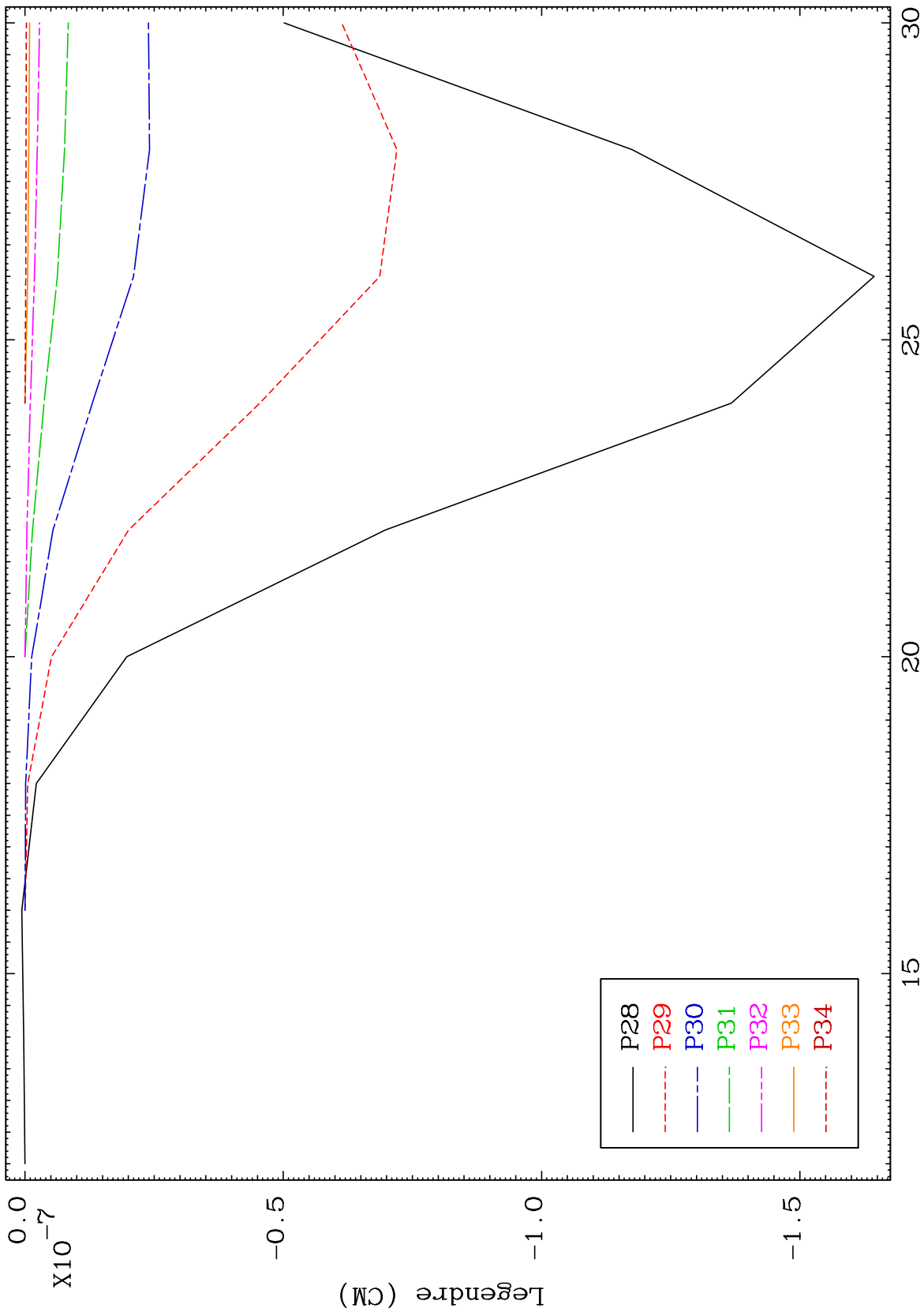
Incident Energy (MeV)

39-Y -95

MAT 3943

Elastic Legendre Coefficients

39-Y -95



0.0
 $\times 10^{-7}$

-0.5

-1.0

-1.5

Legendre (CM)

15

20

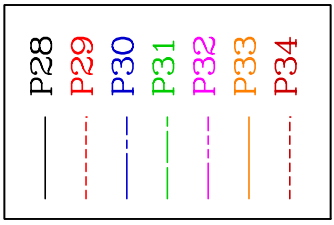
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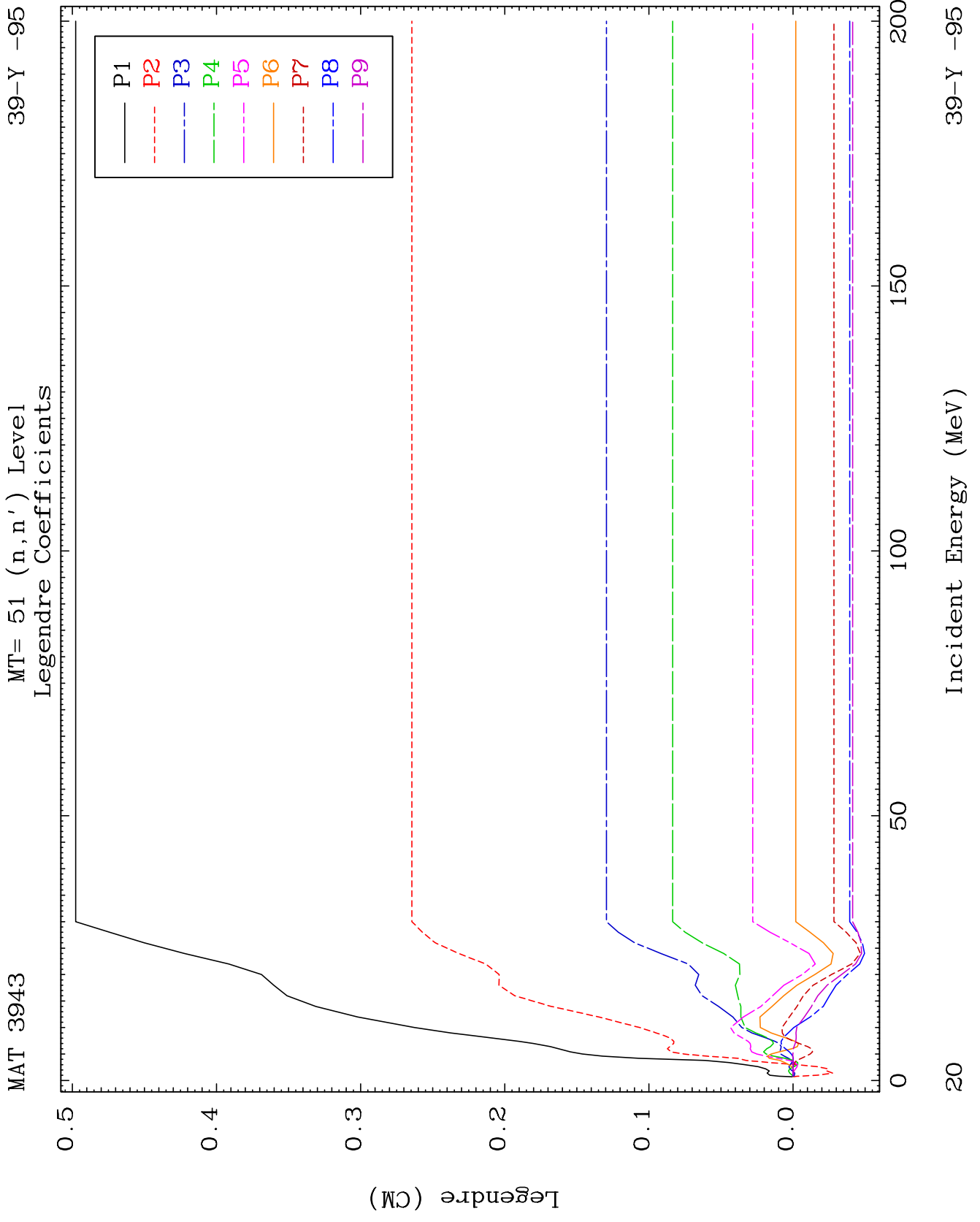
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19

Incident Energy (MeV)

39-Y -95

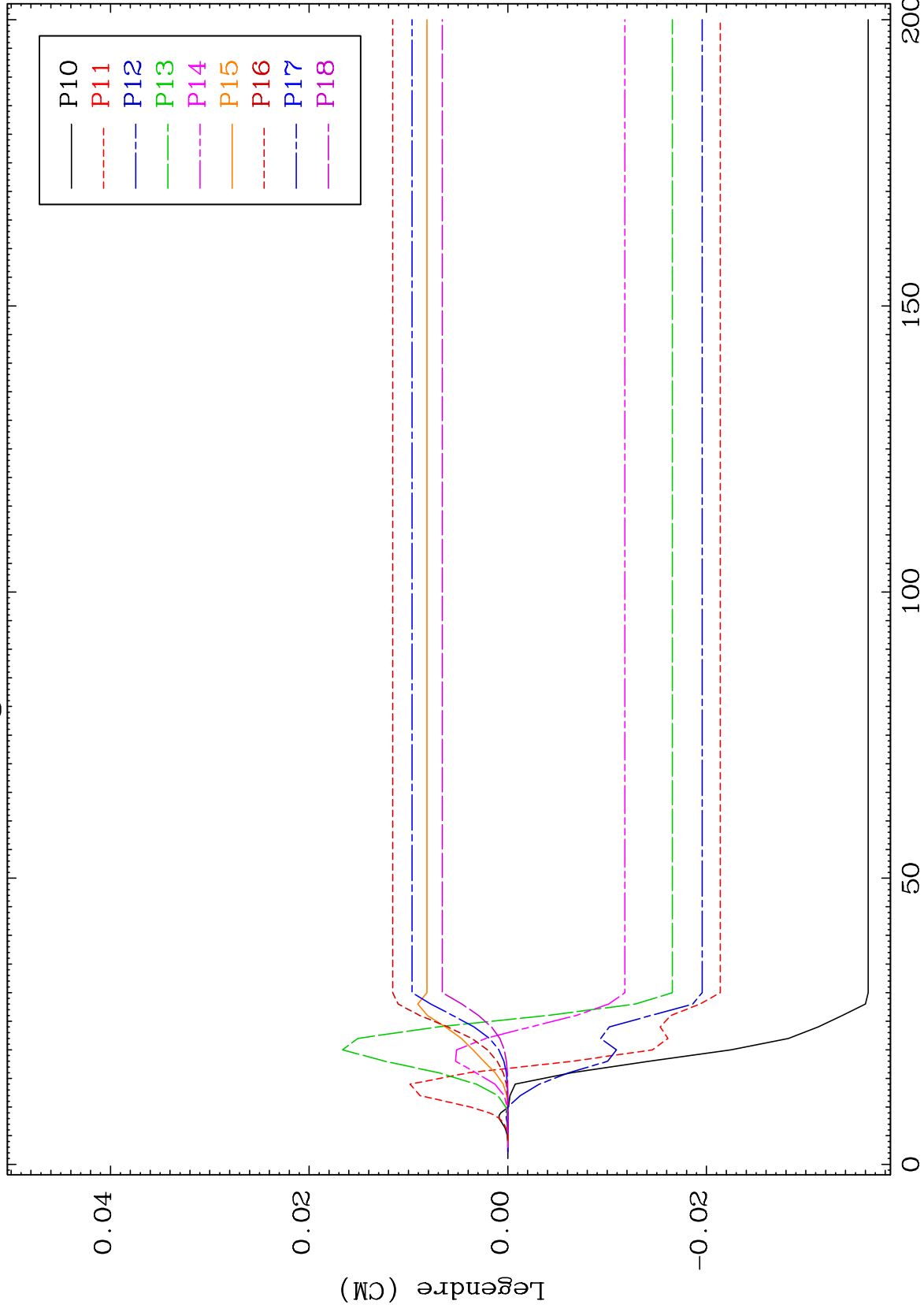




MAT 3943

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

39-Y -95



21

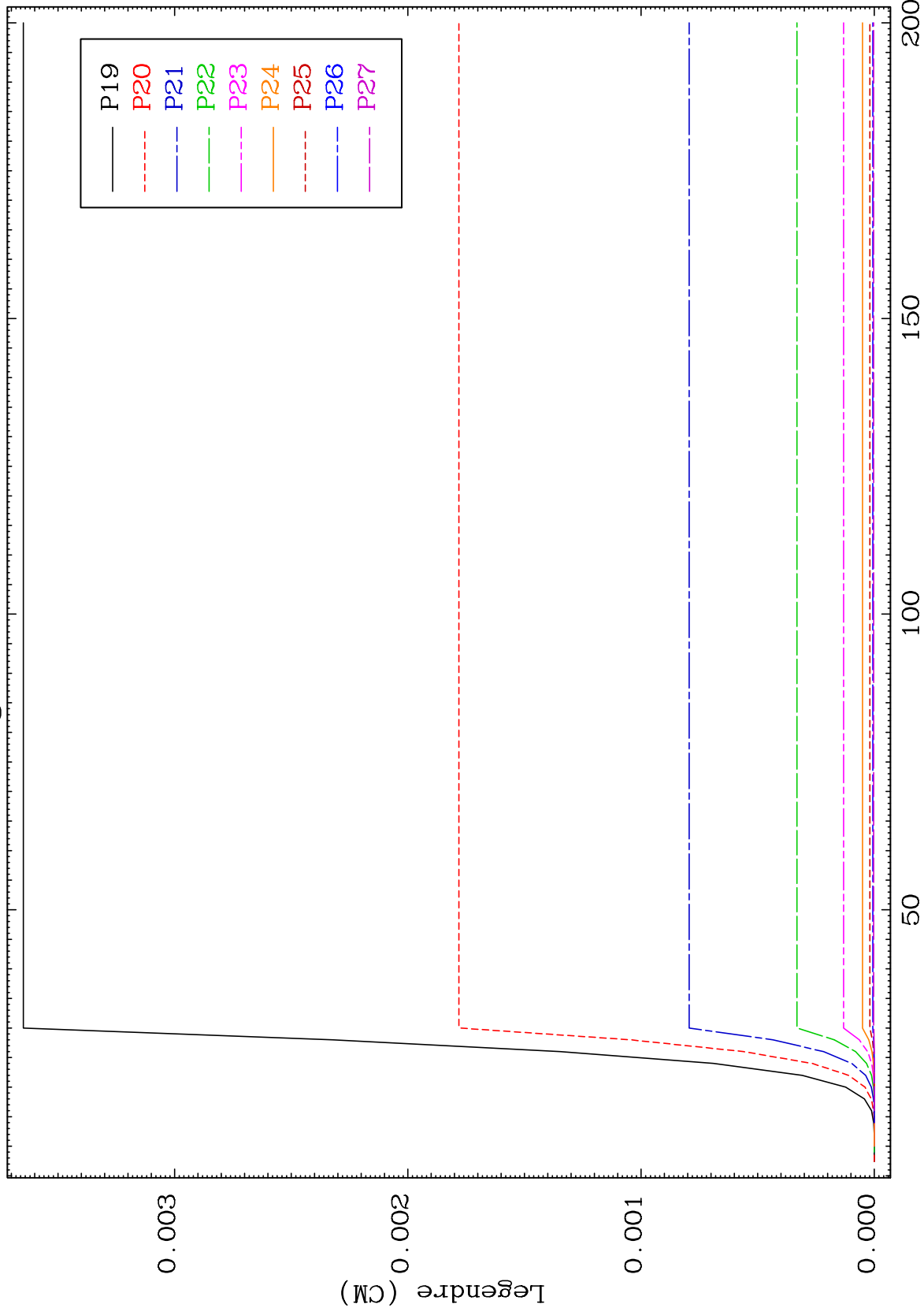
Incident Energy (MeV)

39-Y -95

MAT 3943

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

39-Y -95



22

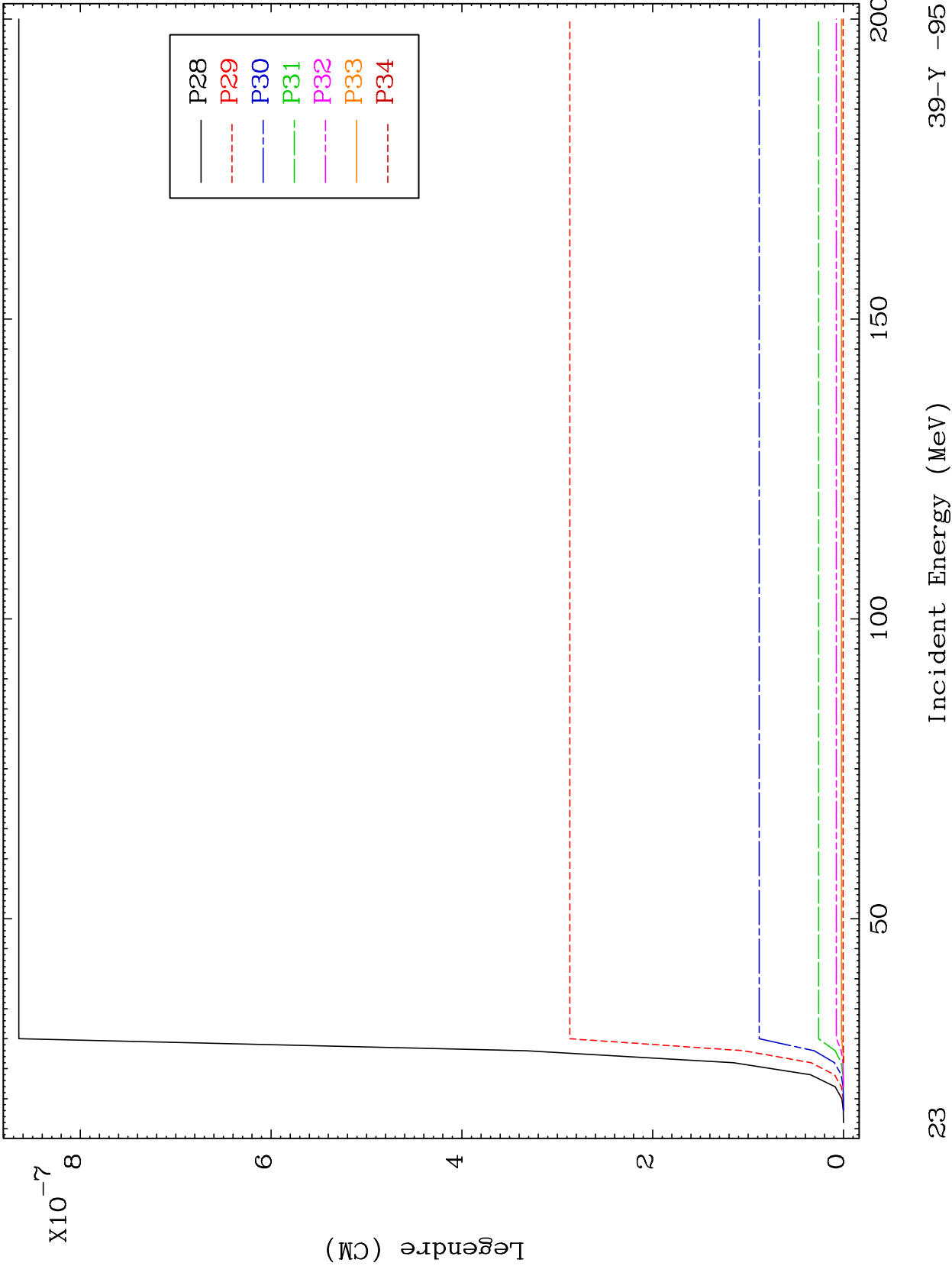
Incident Energy (MeV)

39-Y -95

MAT 3943

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

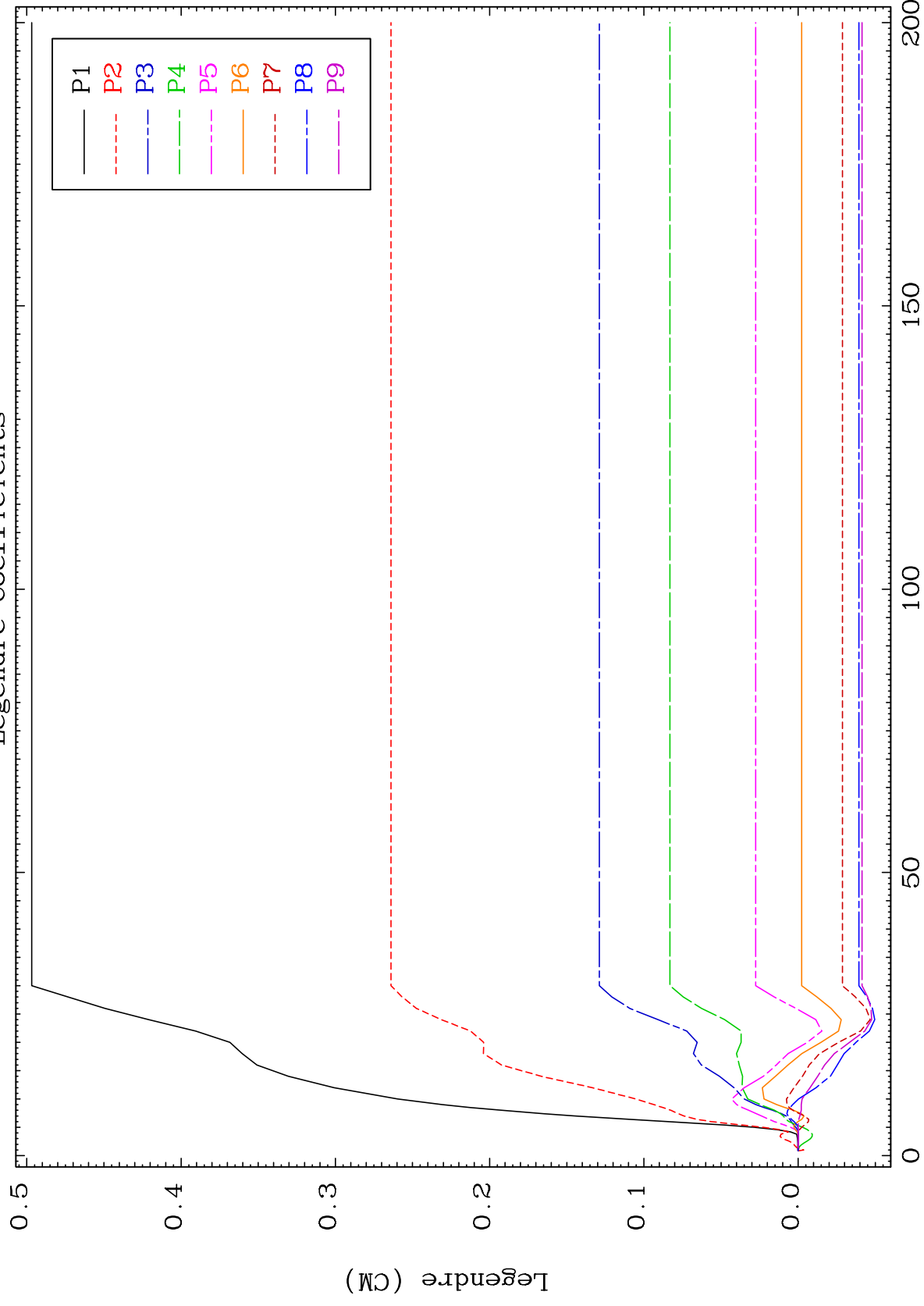
39-Y -95



MAT 3943

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

39-Y -95



24

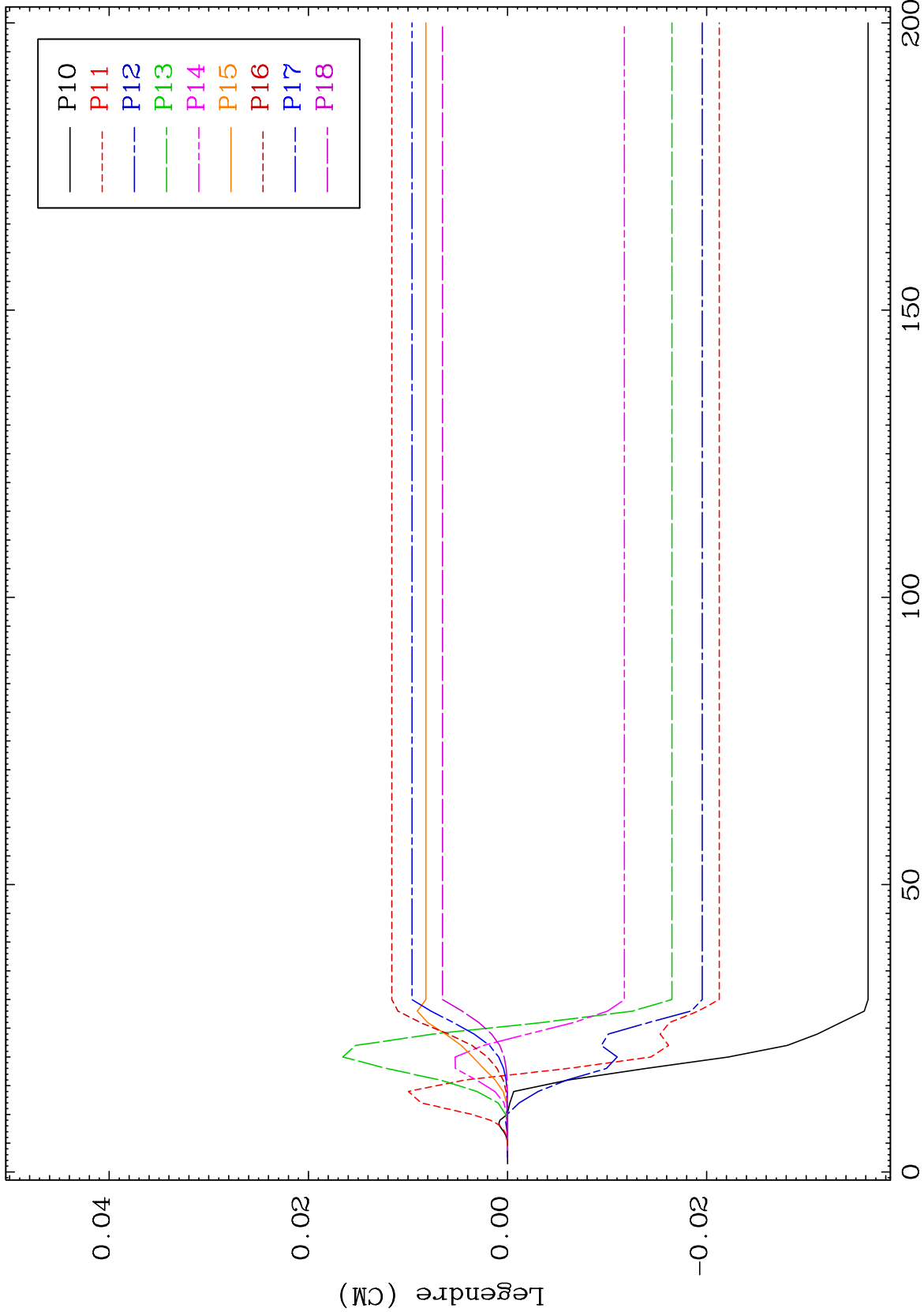
Incident Energy (MeV)

39-Y -95

MAT 3943

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

39-Y -95



25

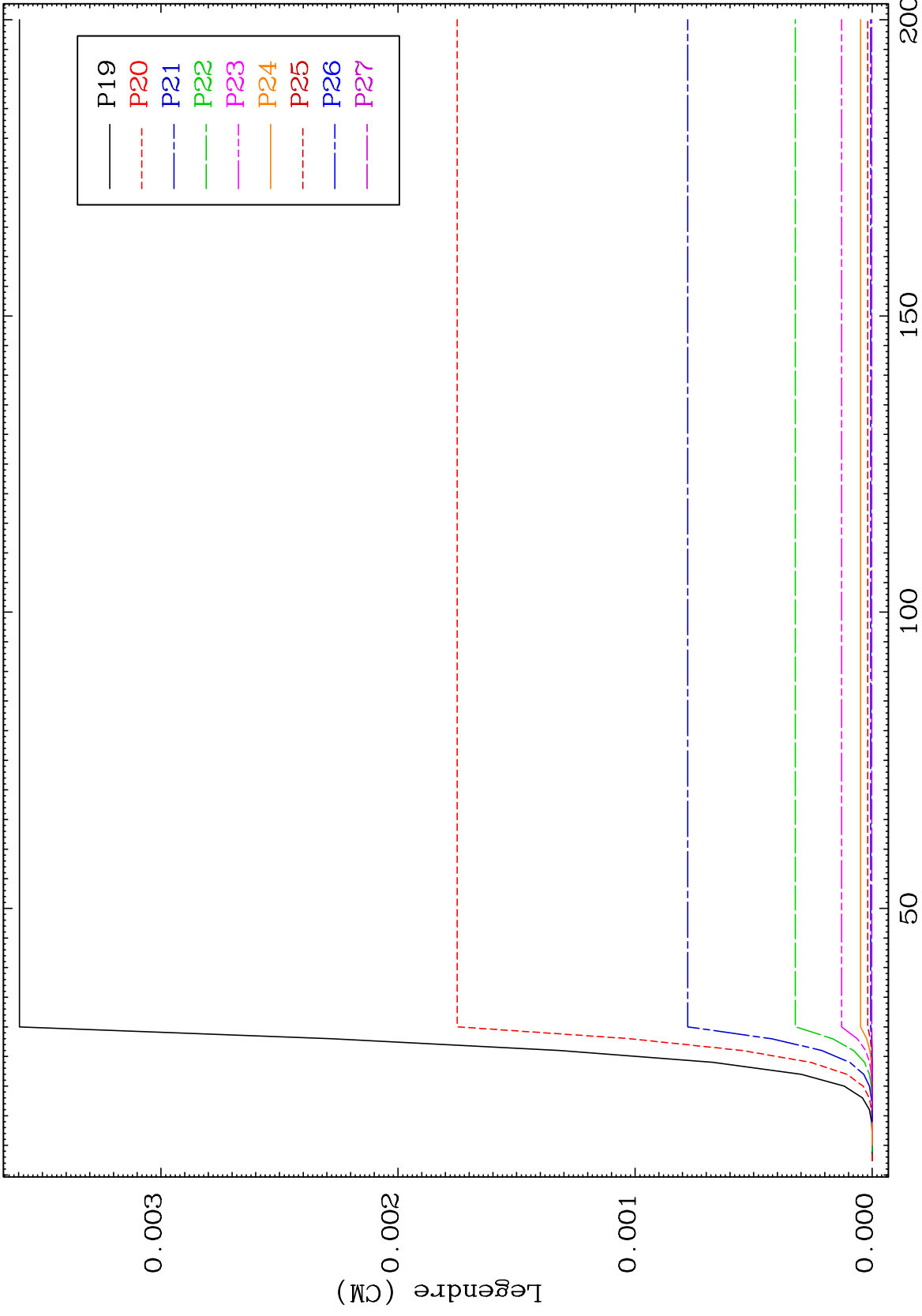
Incident Energy (MeV)

39-Y -95

MAT 3943

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

39-Y -95



26

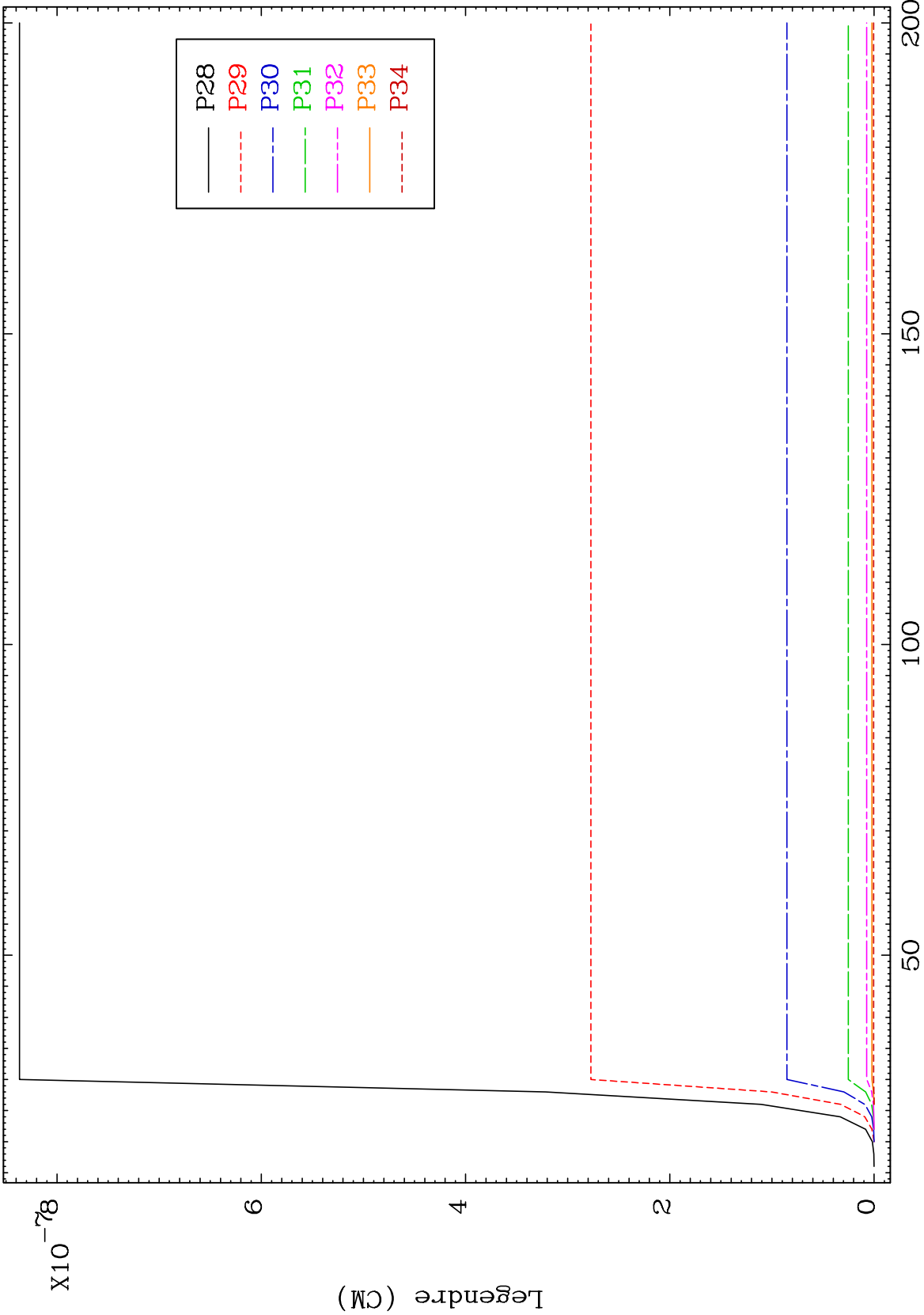
Incident Energy (MeV)

39-Y -95

MAT 3943

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

39-Y -95



27

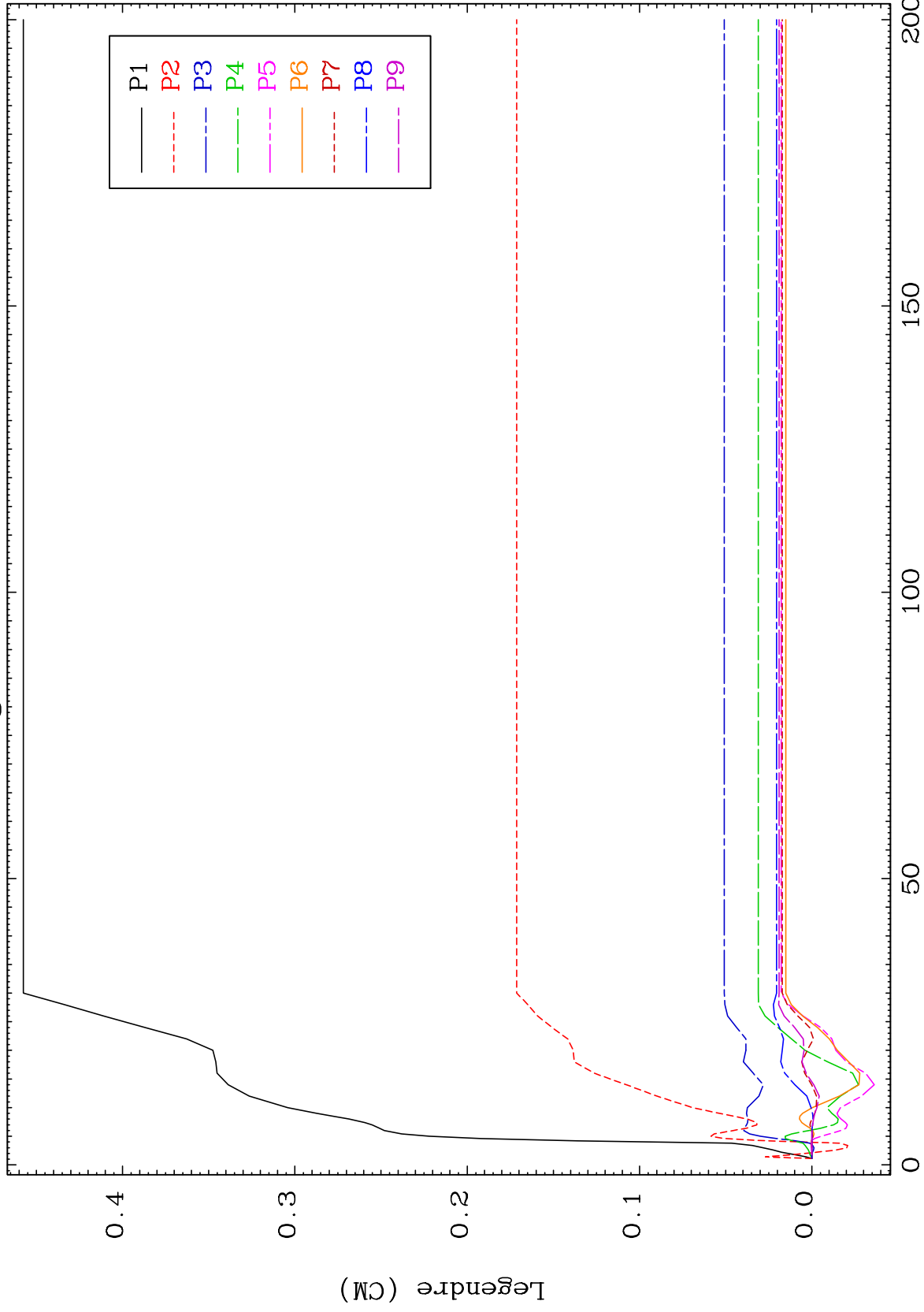
Incident Energy (MeV)

39-Y -95

MAT 3943

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

39-Y -95



Incident Energy (MeV)

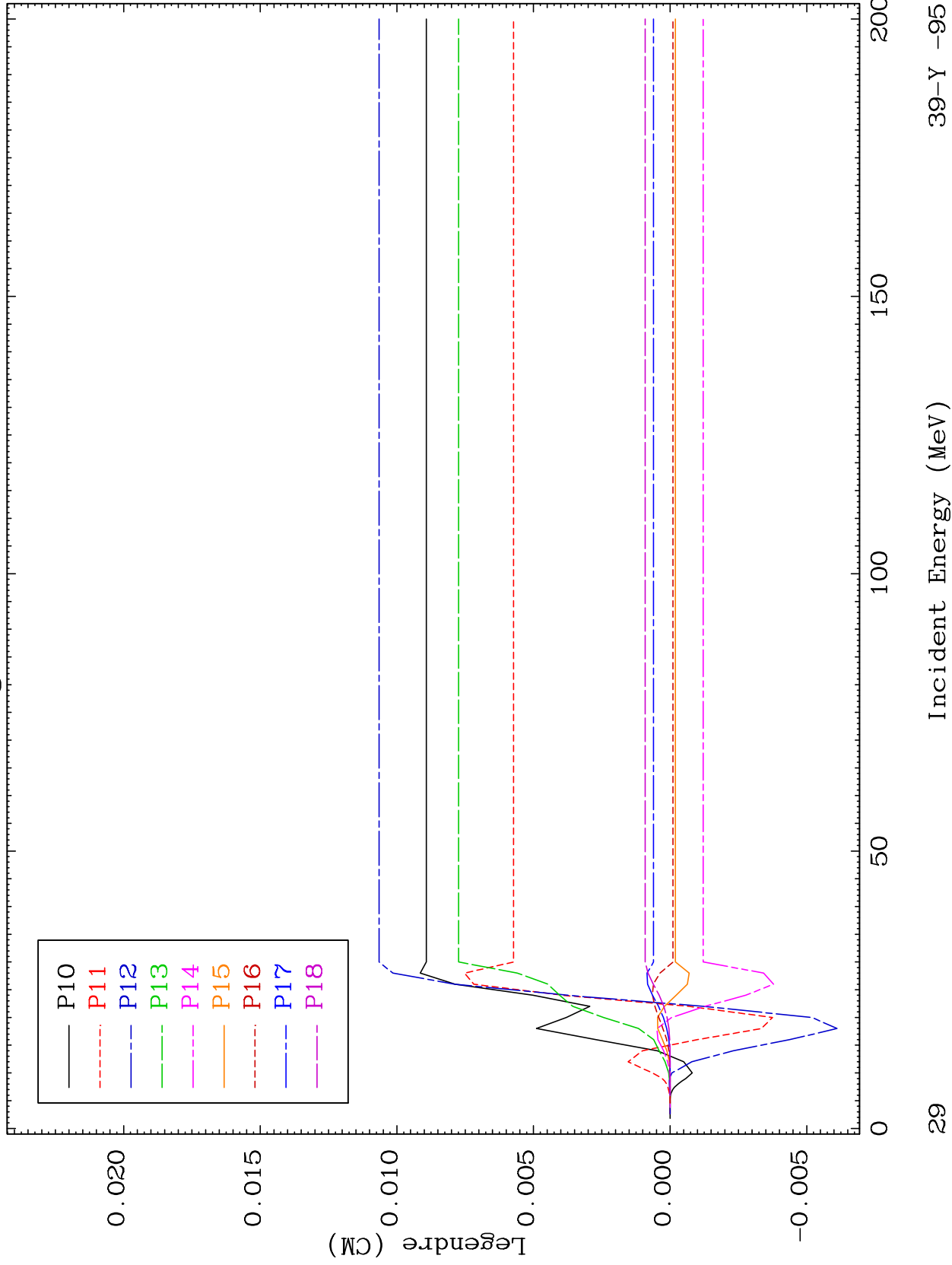
39-Y -95

28

MAT 3943

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

39-Y -95



29

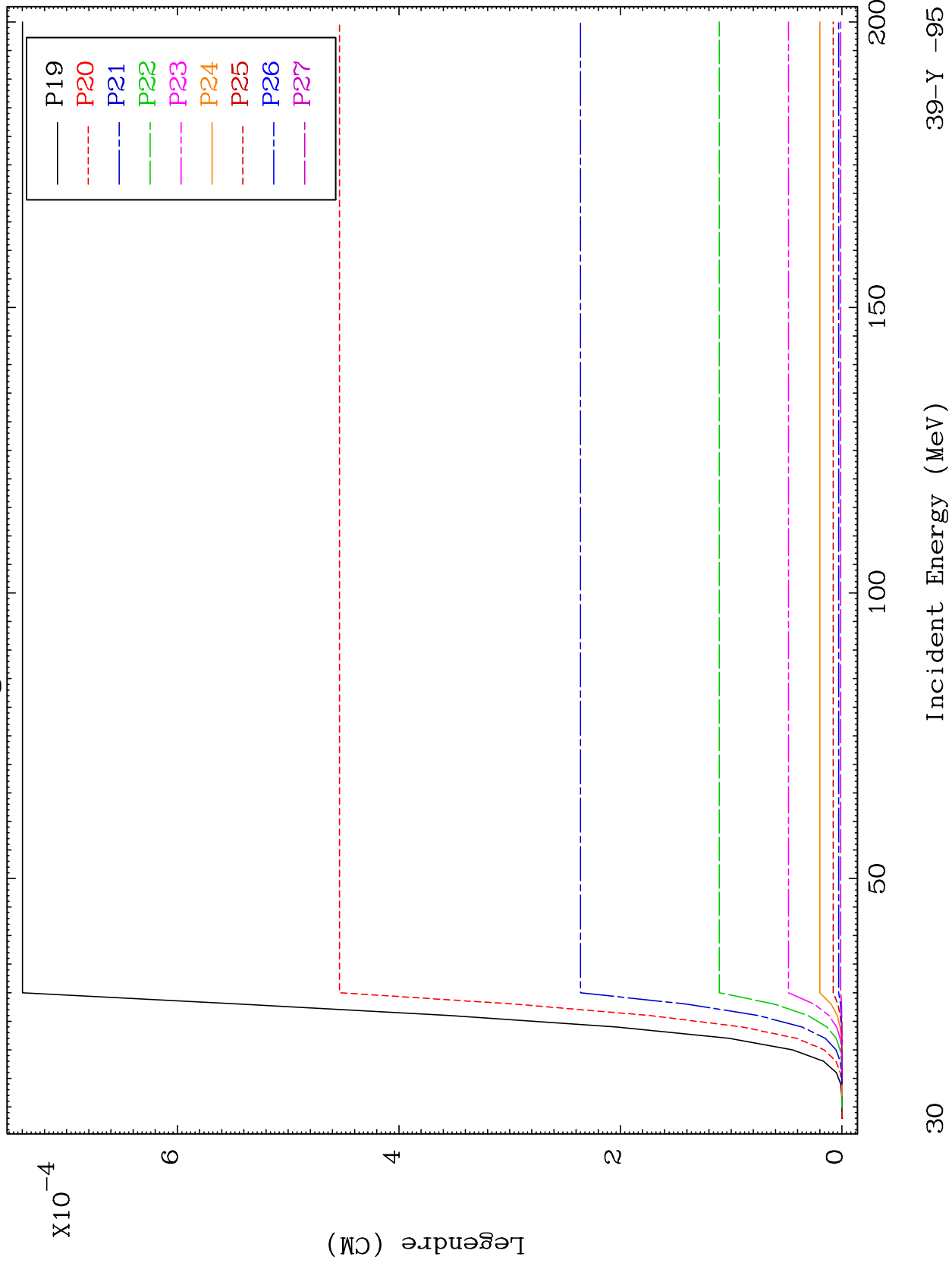
Incident Energy (MeV)

39-Y -95

MAT 3943

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

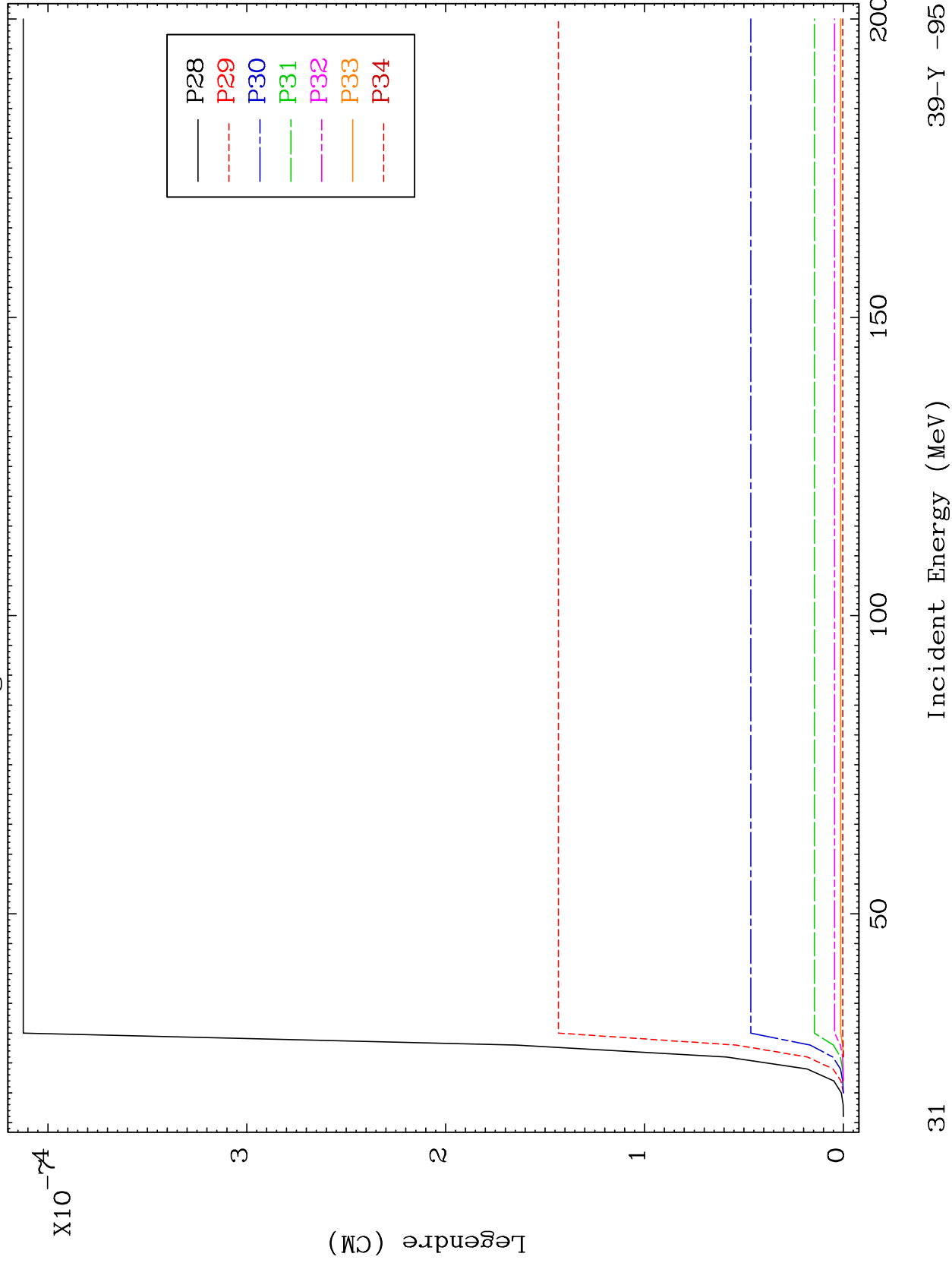
39-Y -95

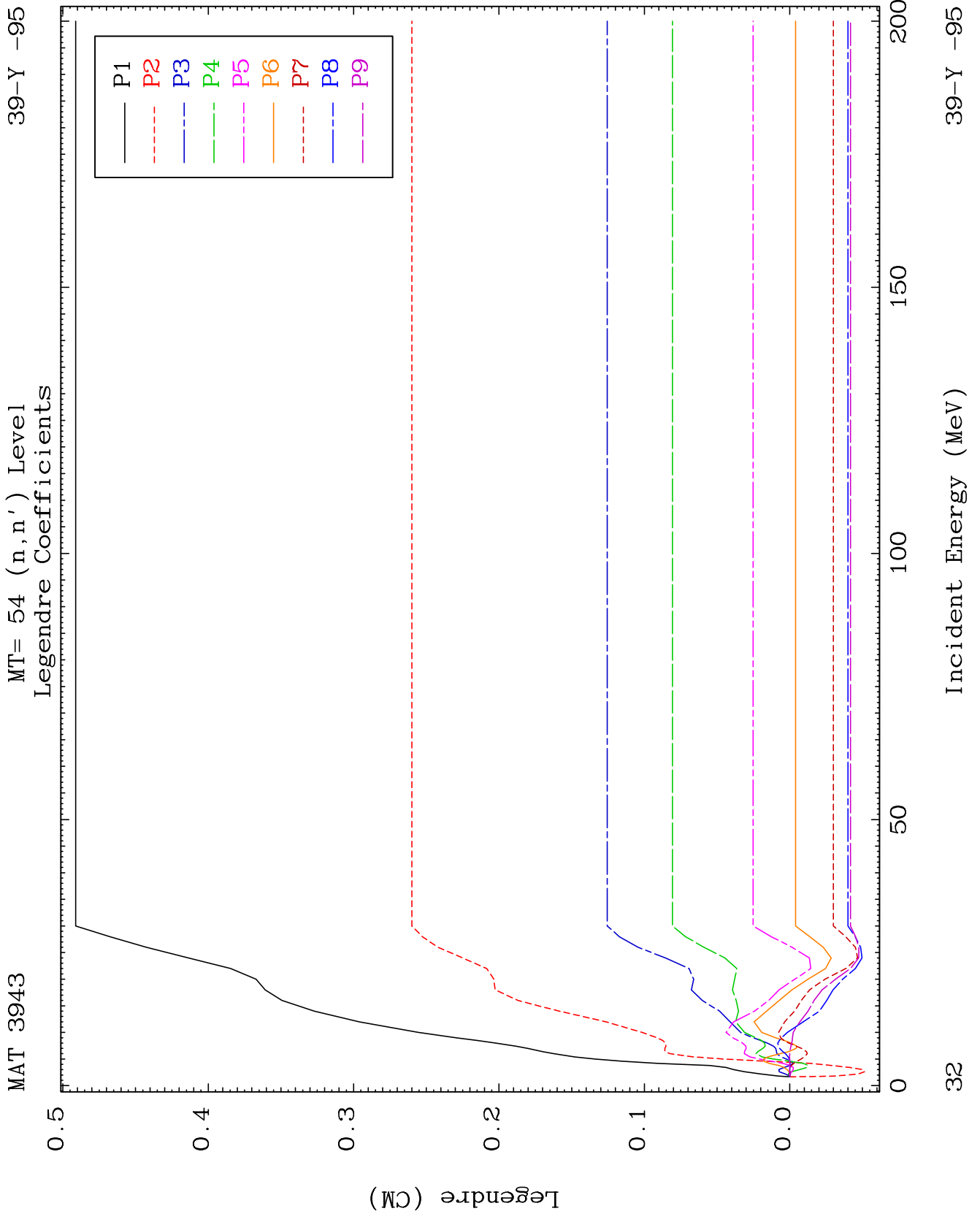


MAT 3943

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

39-Y -95

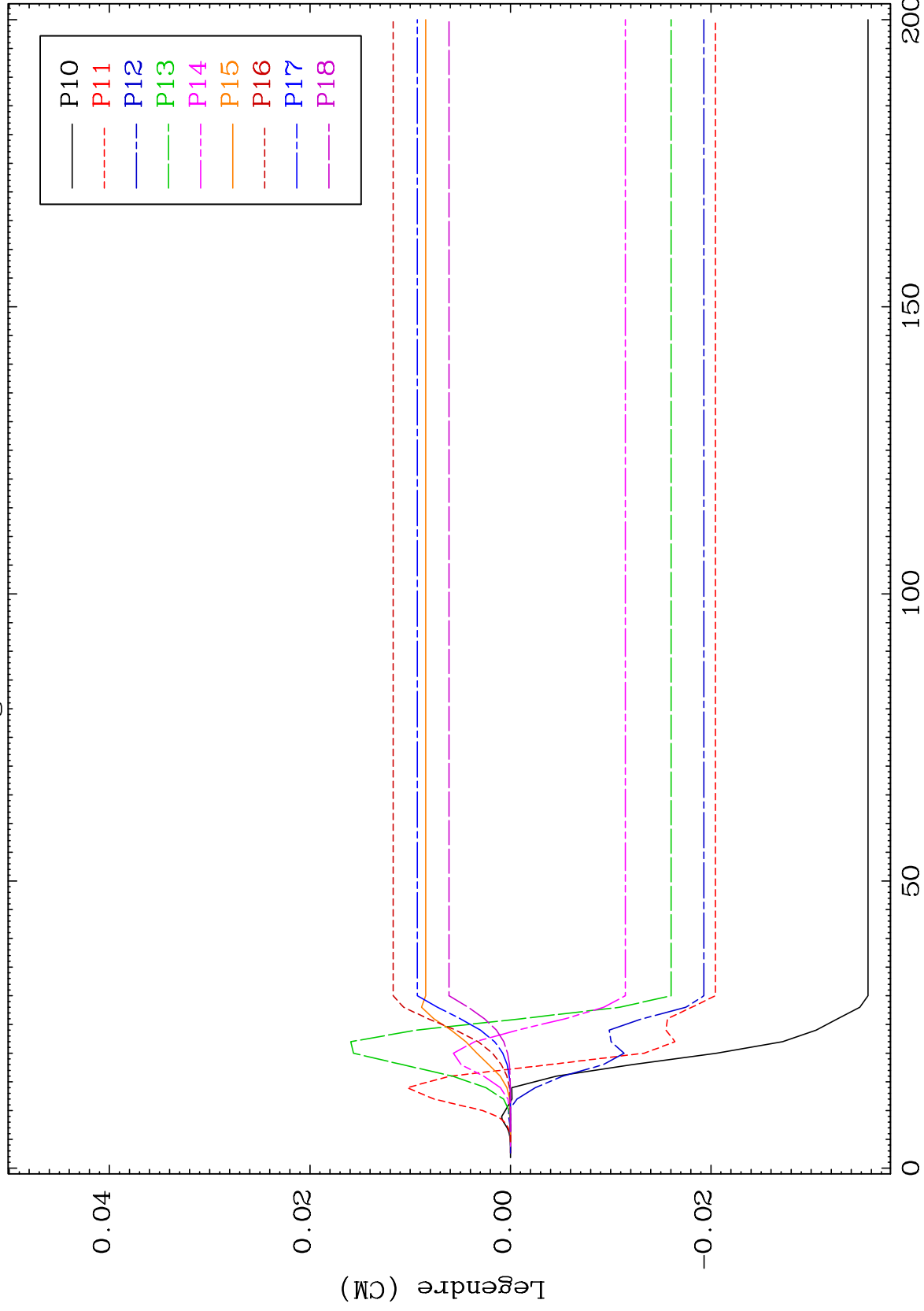




MAT 3943

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

39-Y -95



33

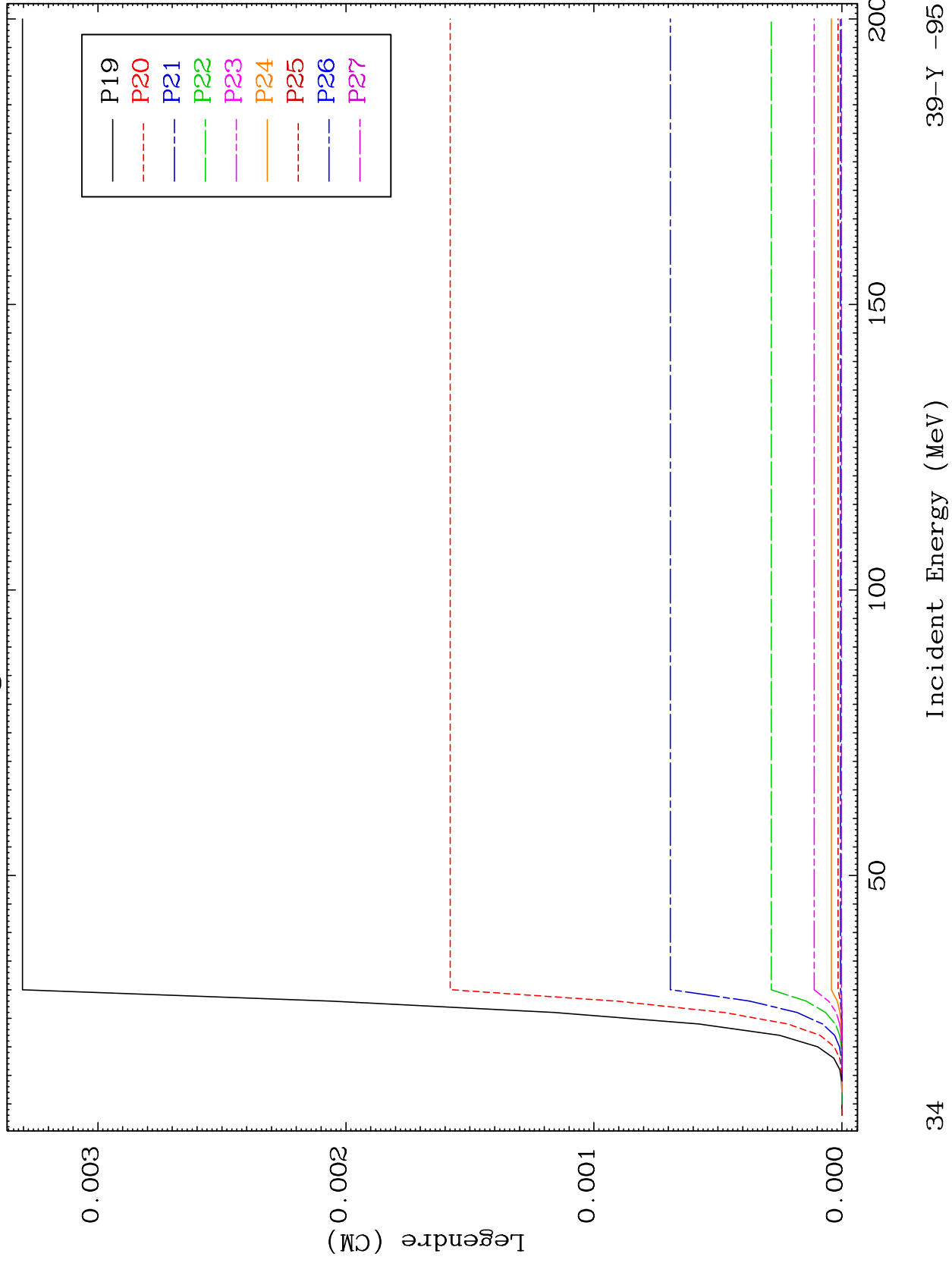
Incident Energy (MeV)

39-Y -95

MAT 3943

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

39-Y -95



34

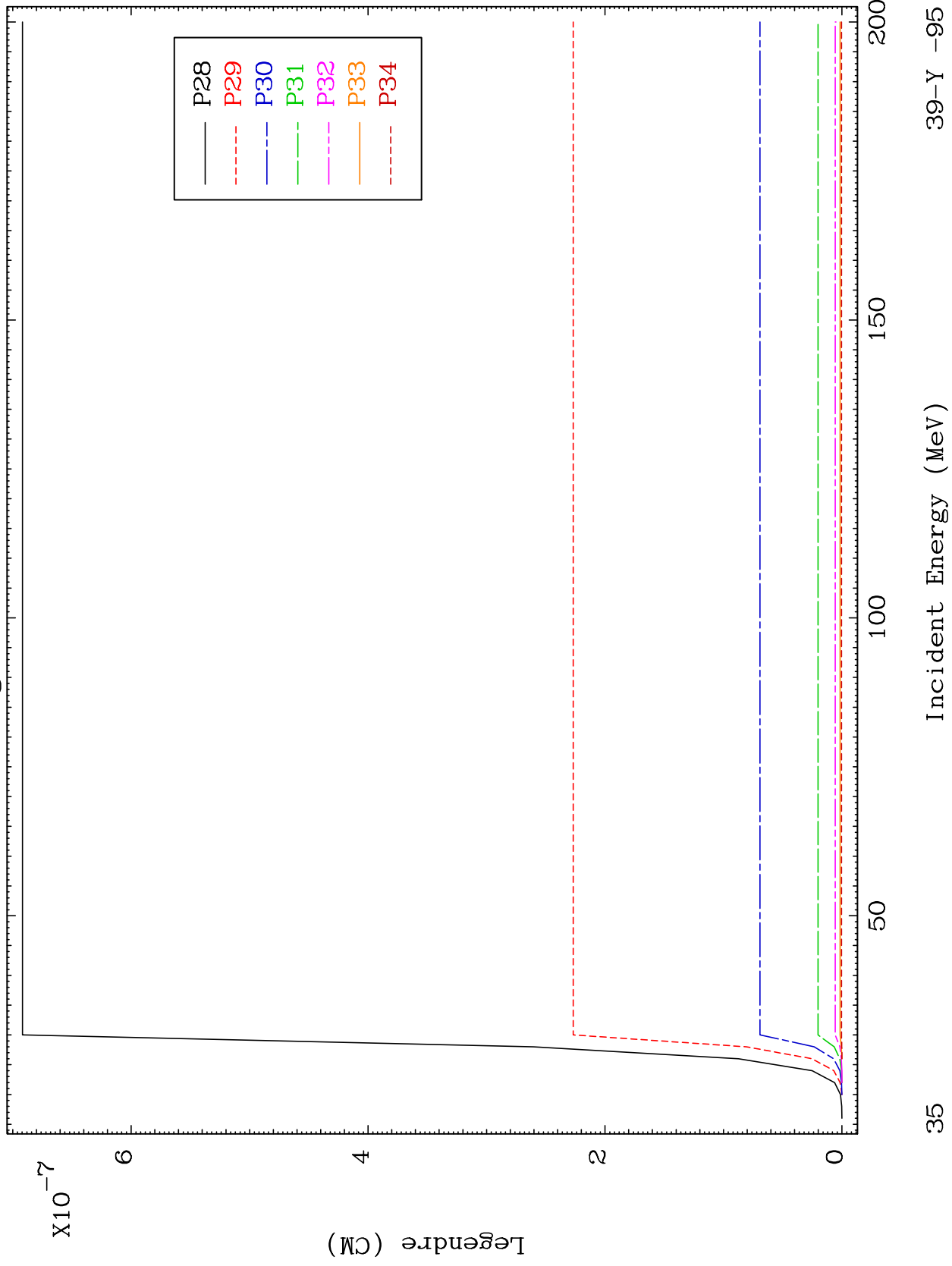
Incident Energy (MeV)

39-Y -95

MAT 3943

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

39-Y -95



35

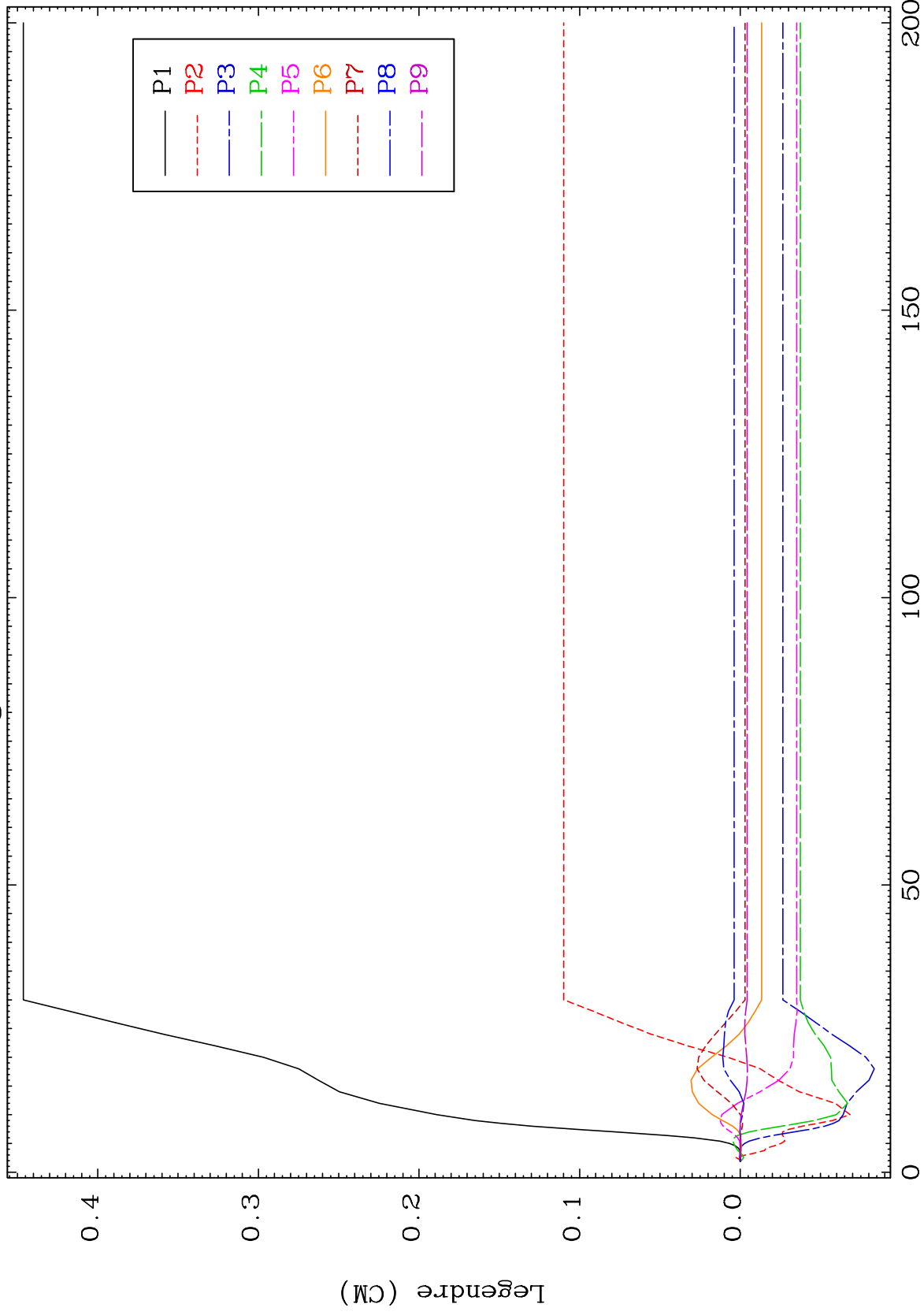
Incident Energy (MeV)

39-Y -95

MAT 3943

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

39-Y -95



36

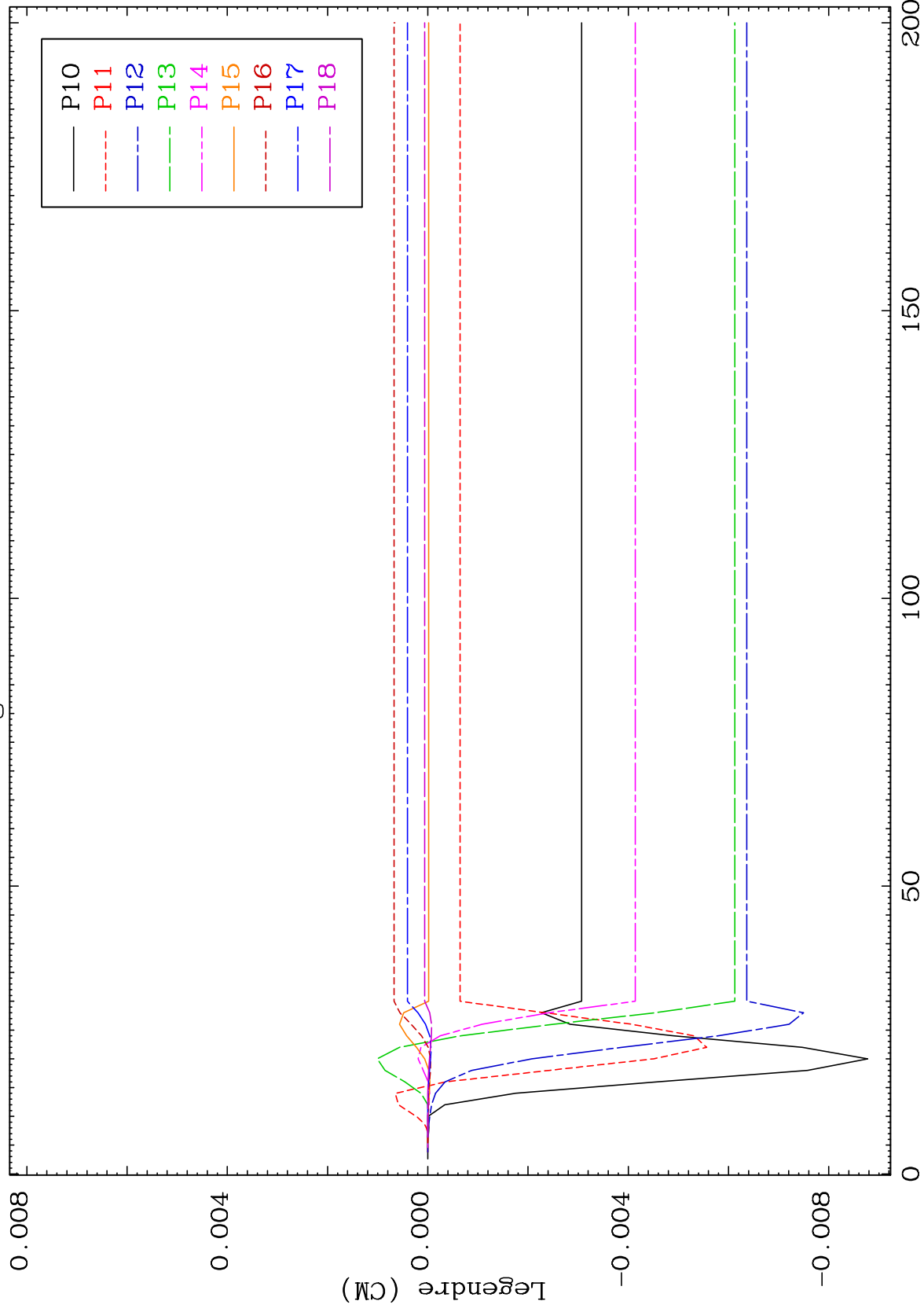
Incident Energy (MeV)

39-Y -95

MAT 3943

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

39-Y -95



37

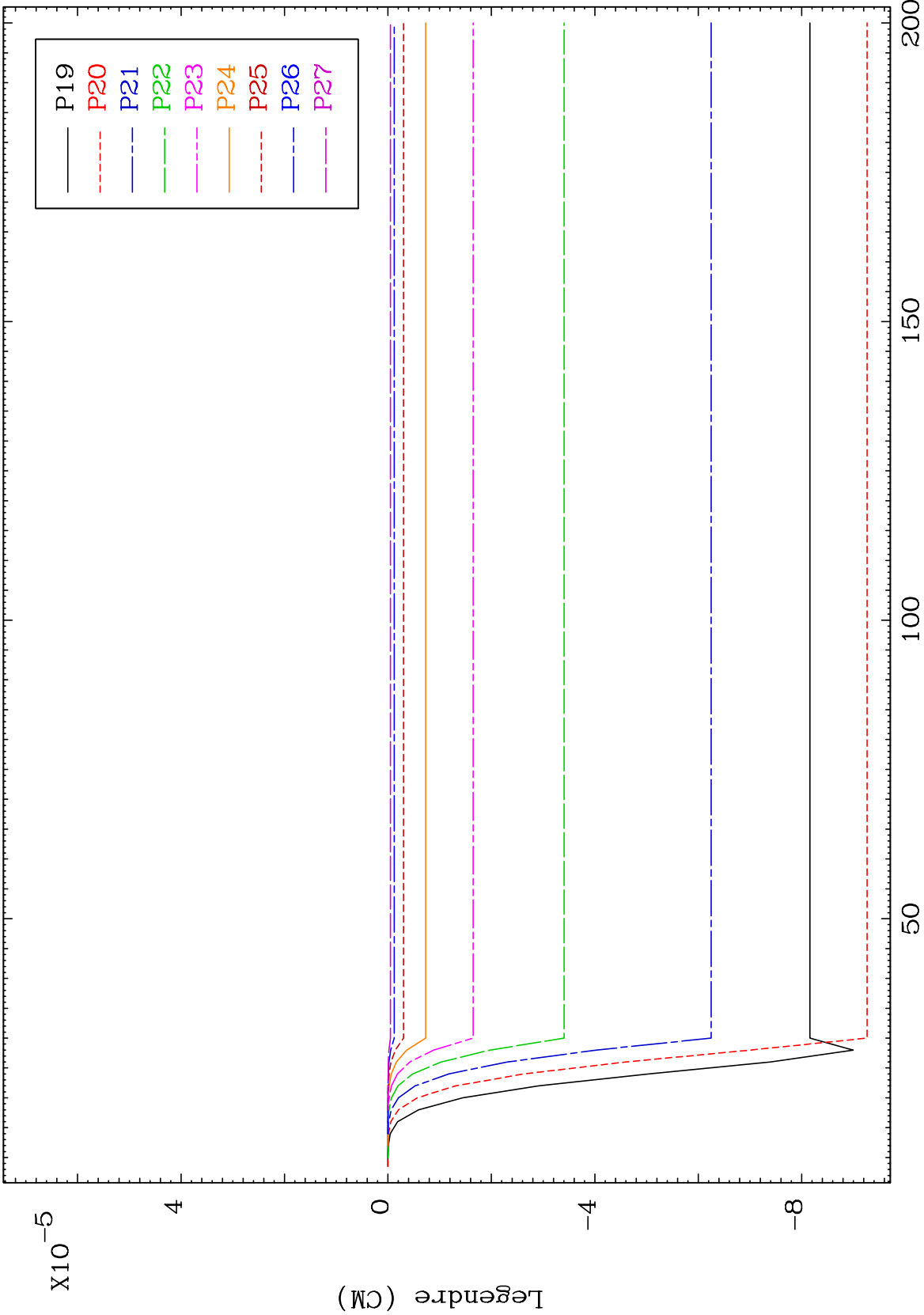
Incident Energy (MeV)

39-Y -95

MAT 3943

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

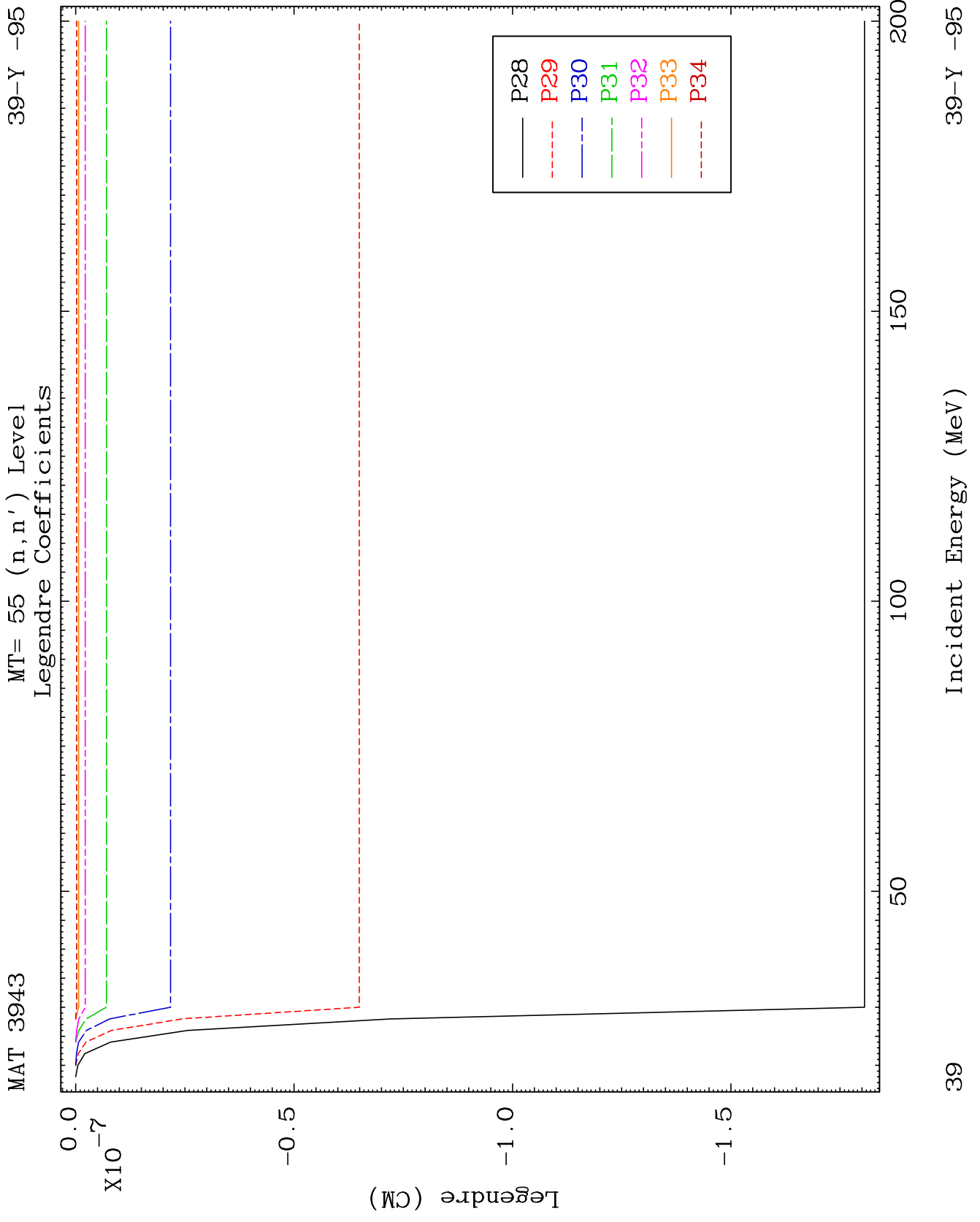
39-Y -95



38

Incident Energy (MeV)

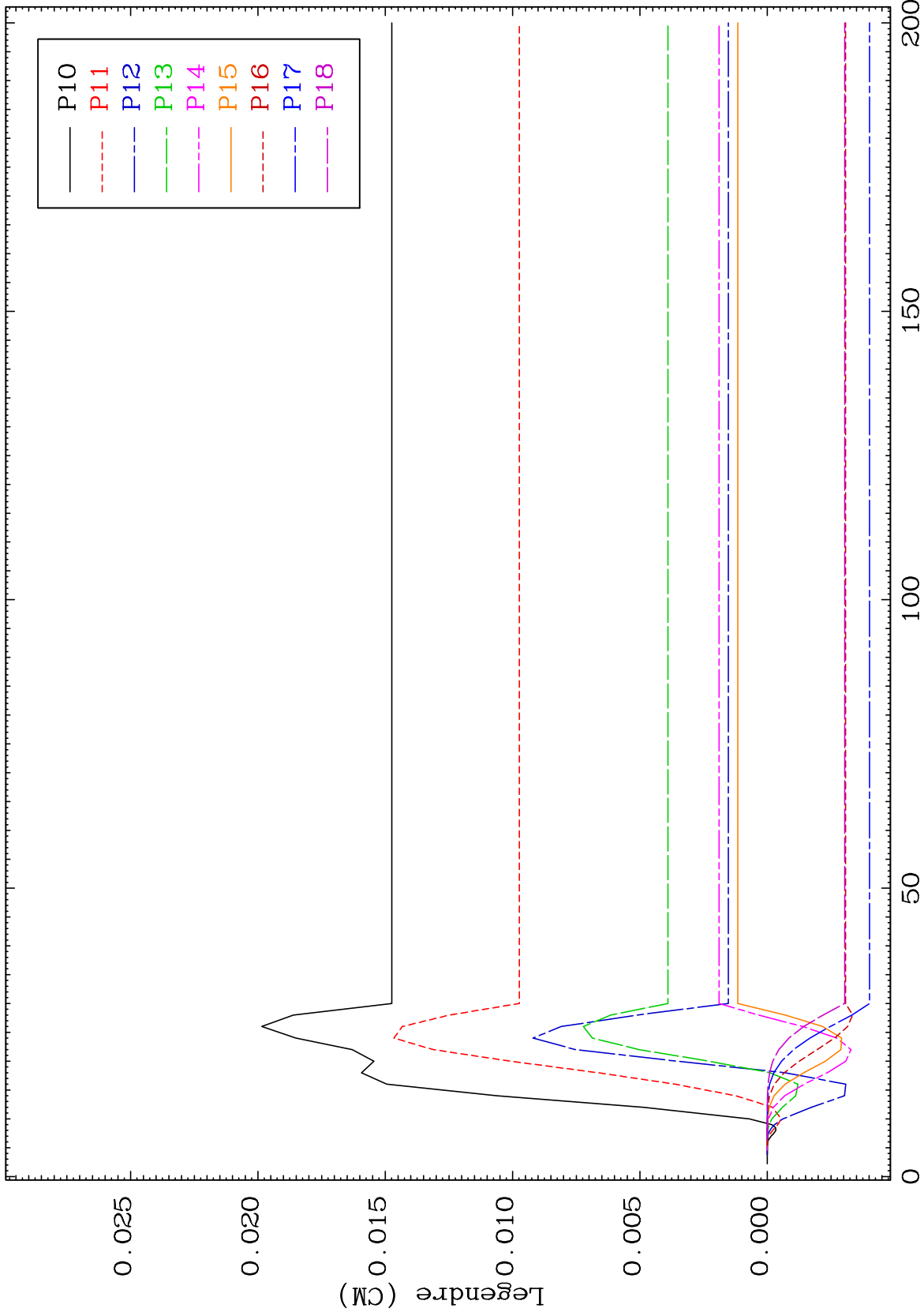
39-Y -95



MAT 3943

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

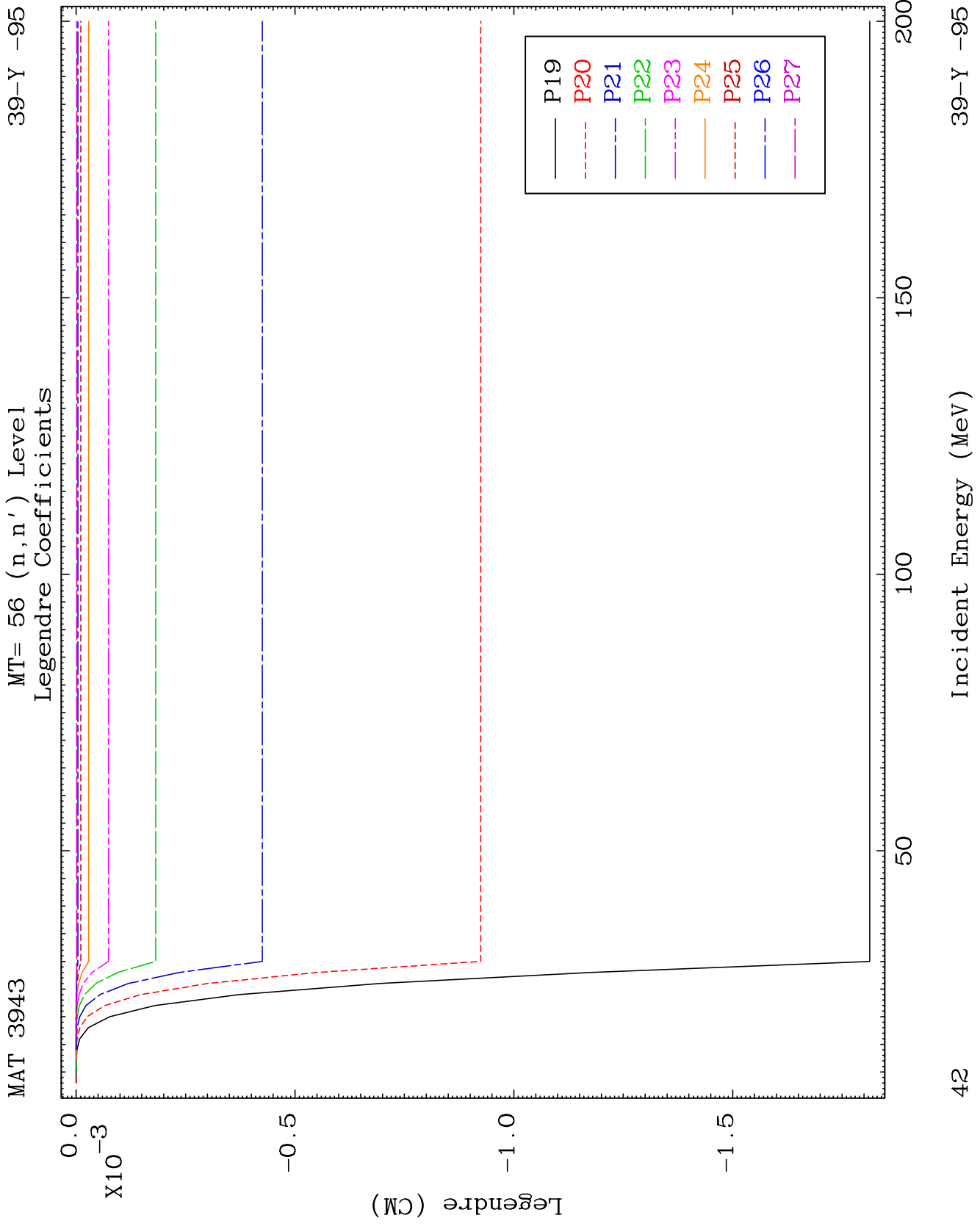
39-Y -95



41

Incident Energy (MeV)

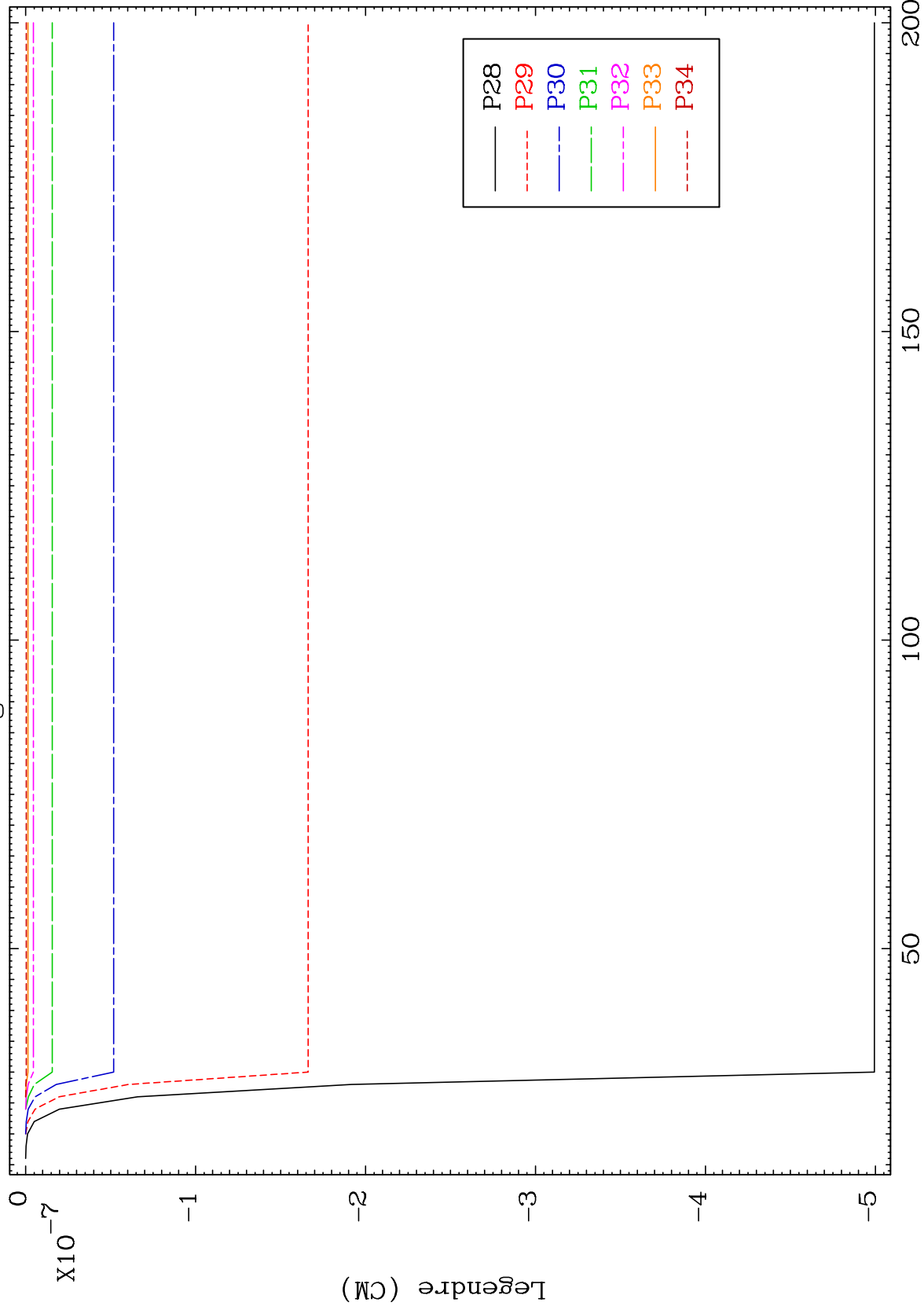
39-Y -95



MAT 3943

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

39-Y -95



43

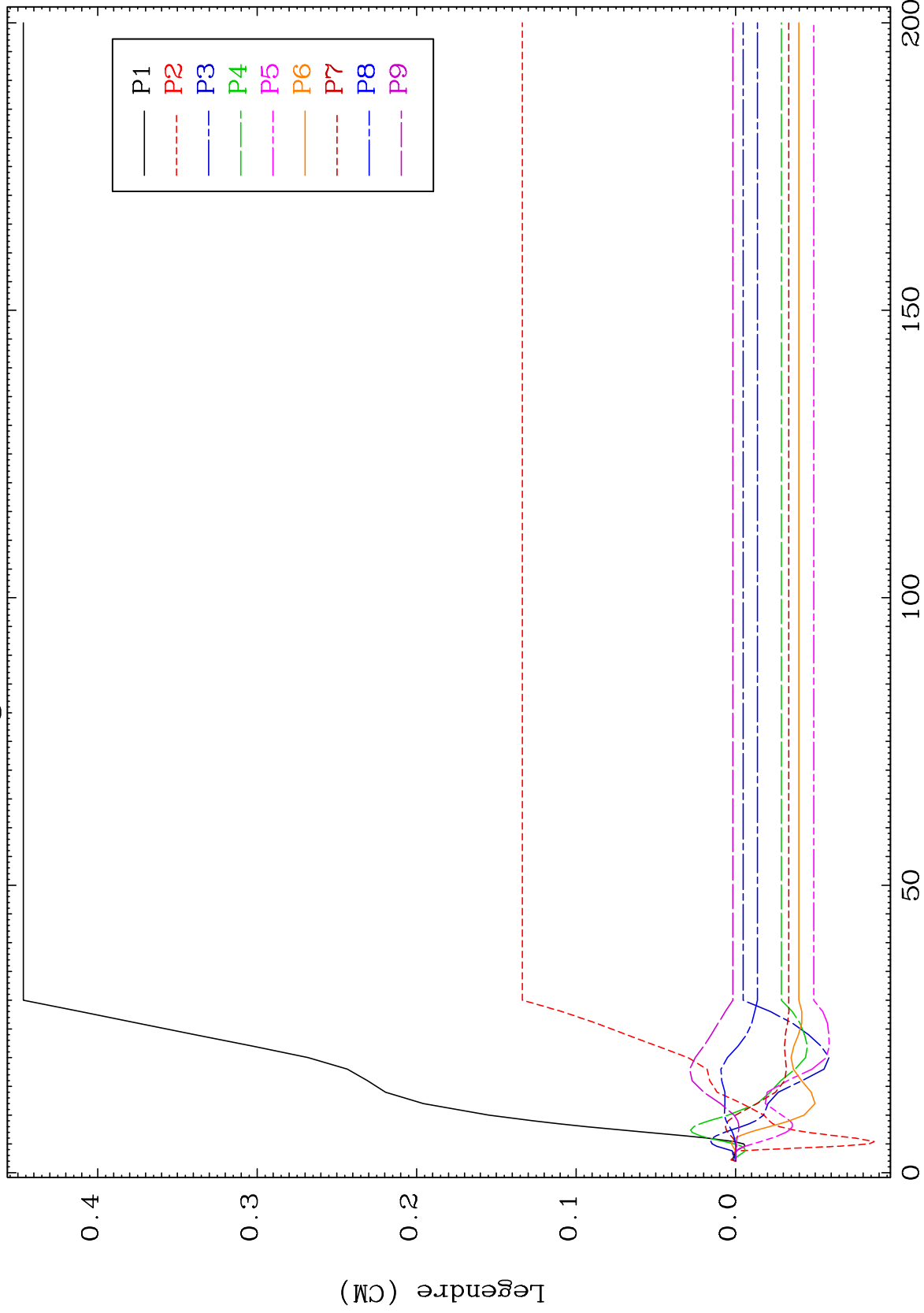
Incident Energy (MeV)

39-Y -95

MAT 3943

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

39-Y -95



44

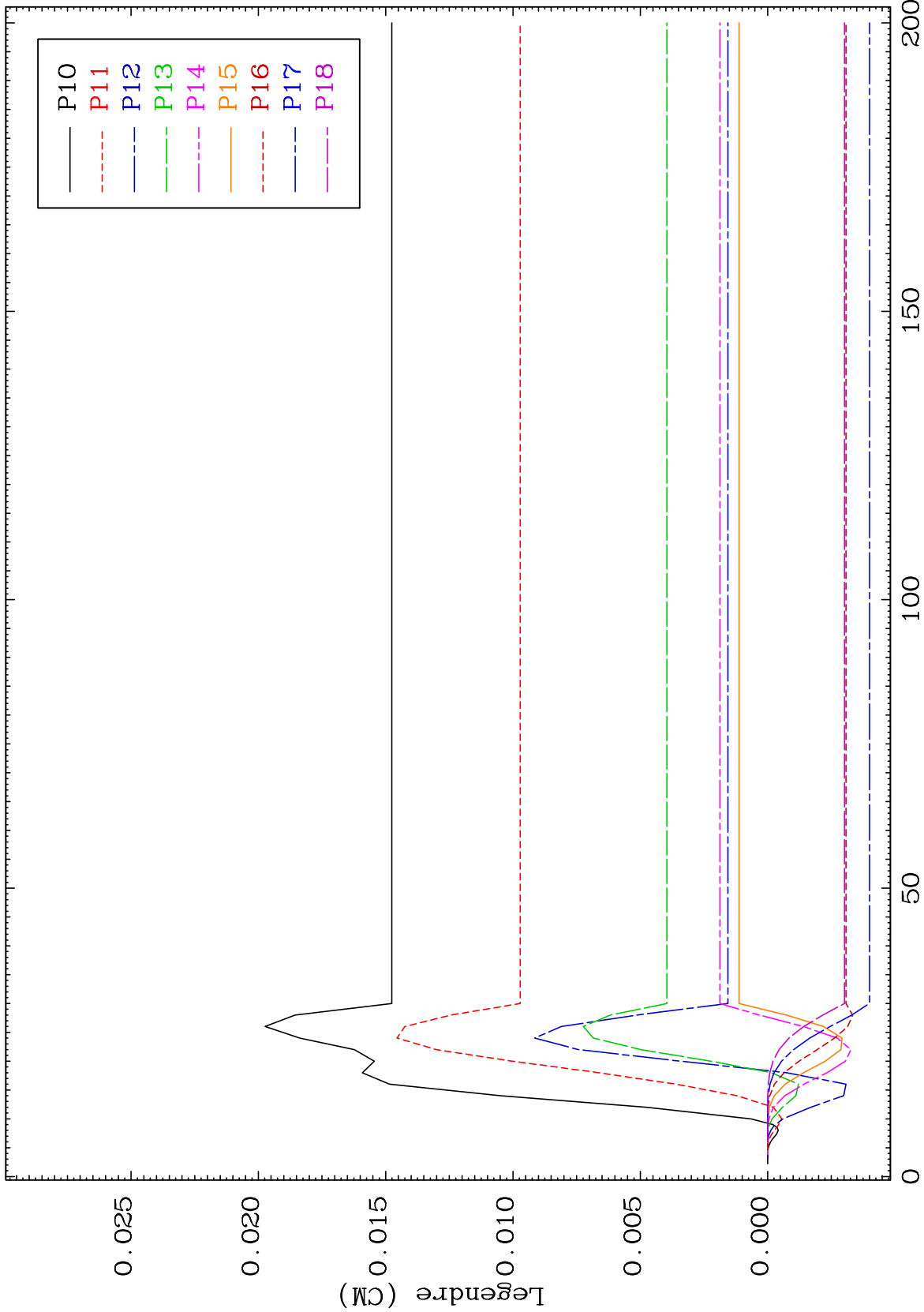
Incident Energy (MeV)

39-Y -95

MAT 3943

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

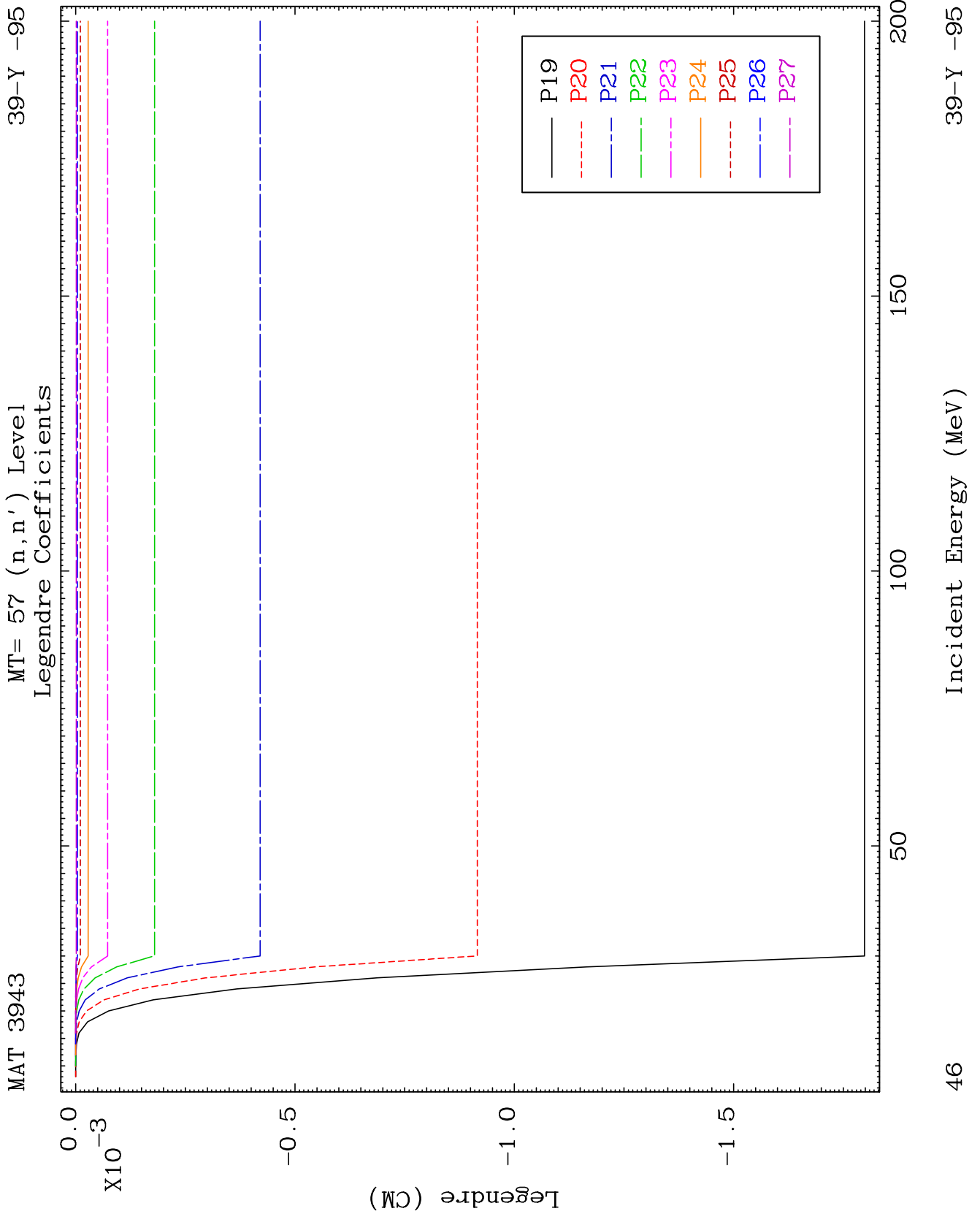
39-Y -95

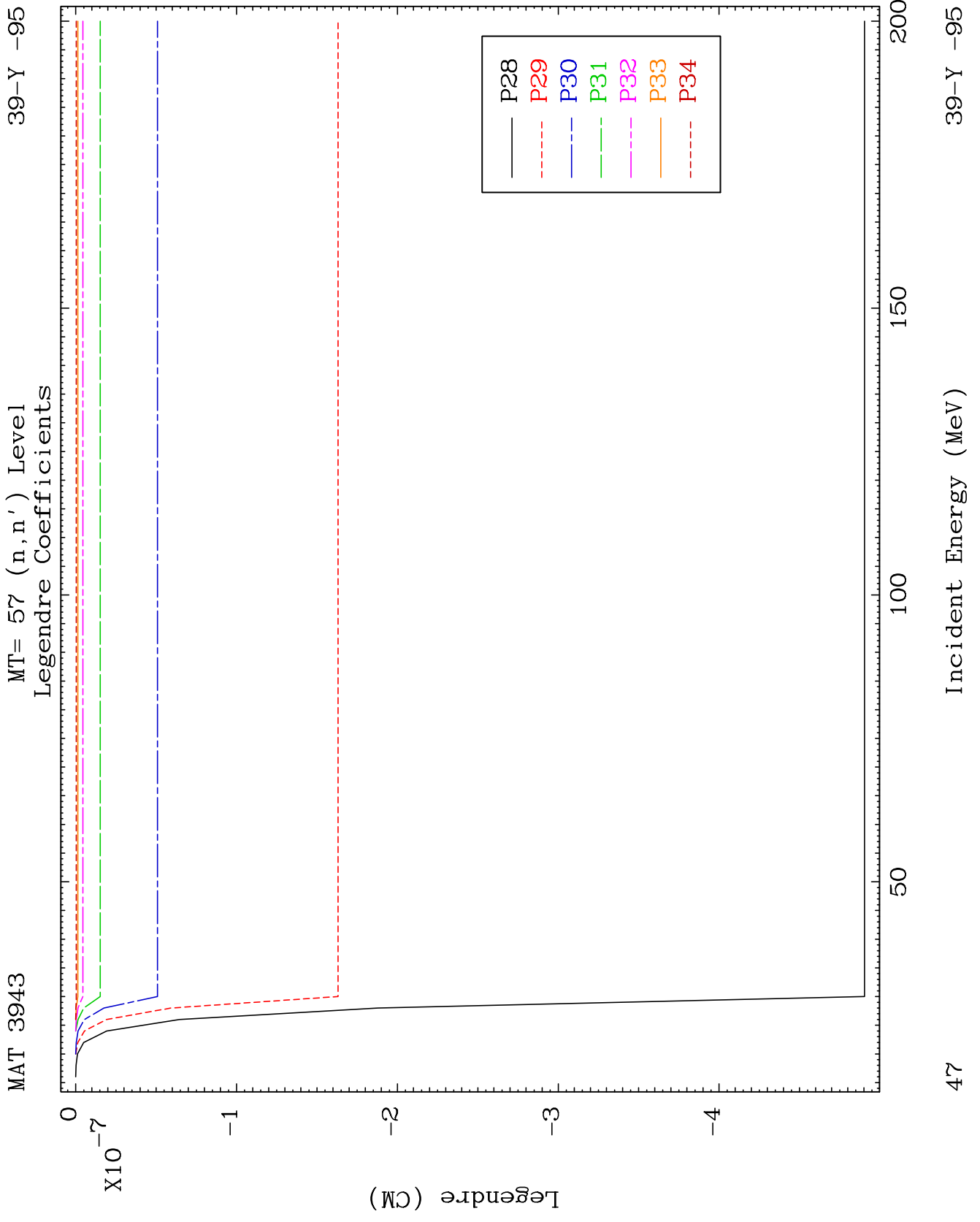


45

Incident Energy (MeV)

39-Y -95

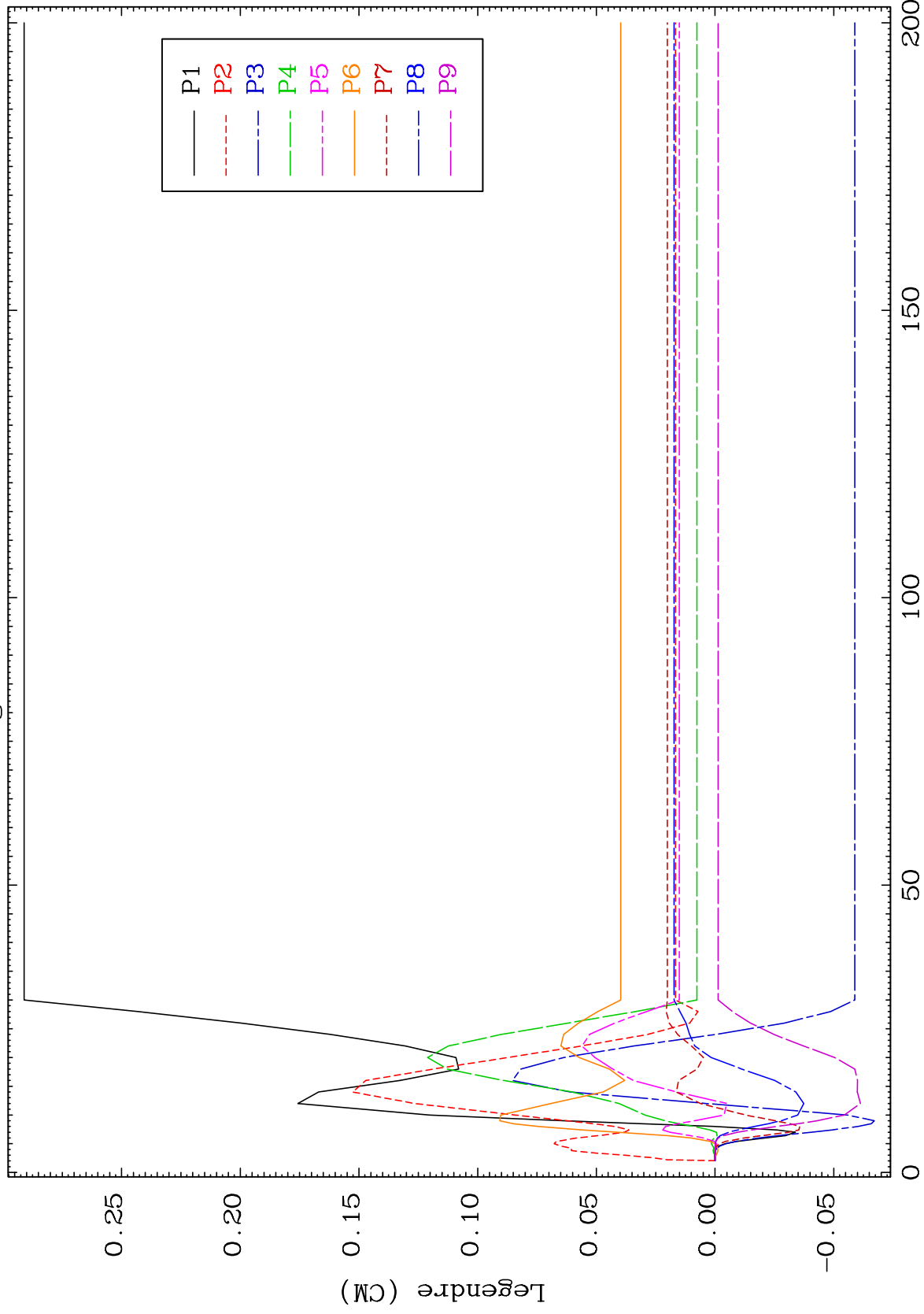




MAT 3943

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

39-Y -95



48

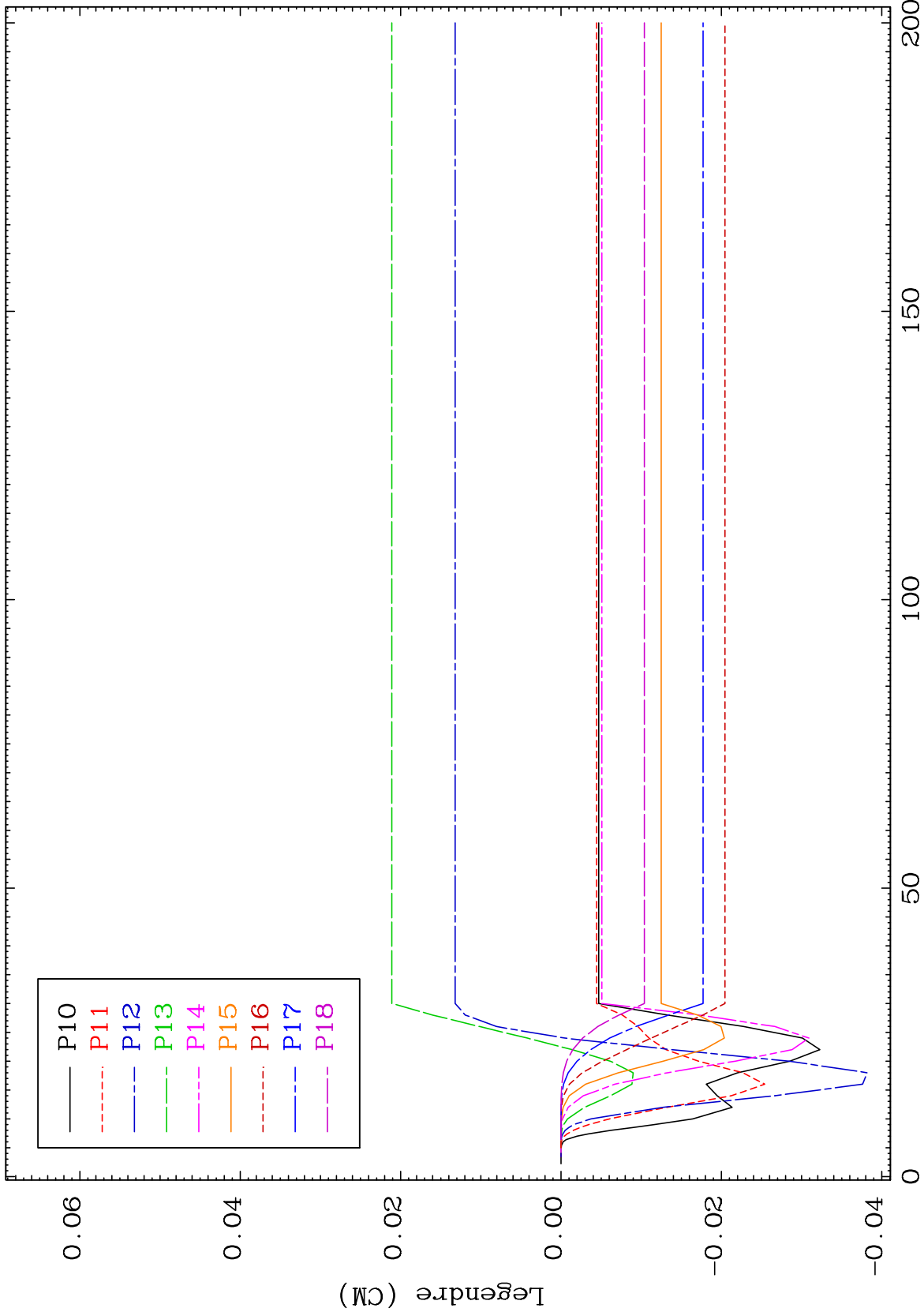
Incident Energy (MeV)

39-Y -95

MAT 3943

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

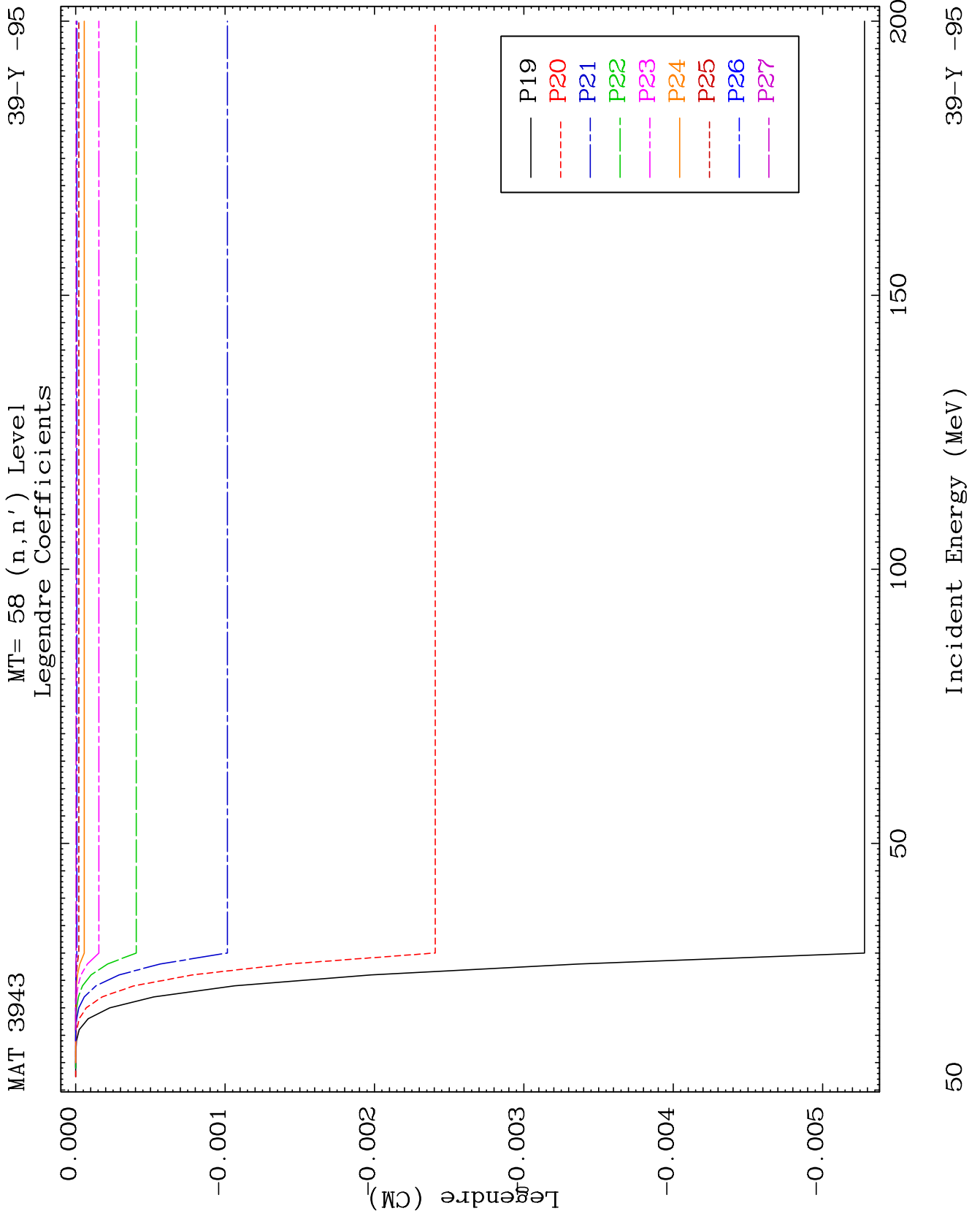
39-Y -95

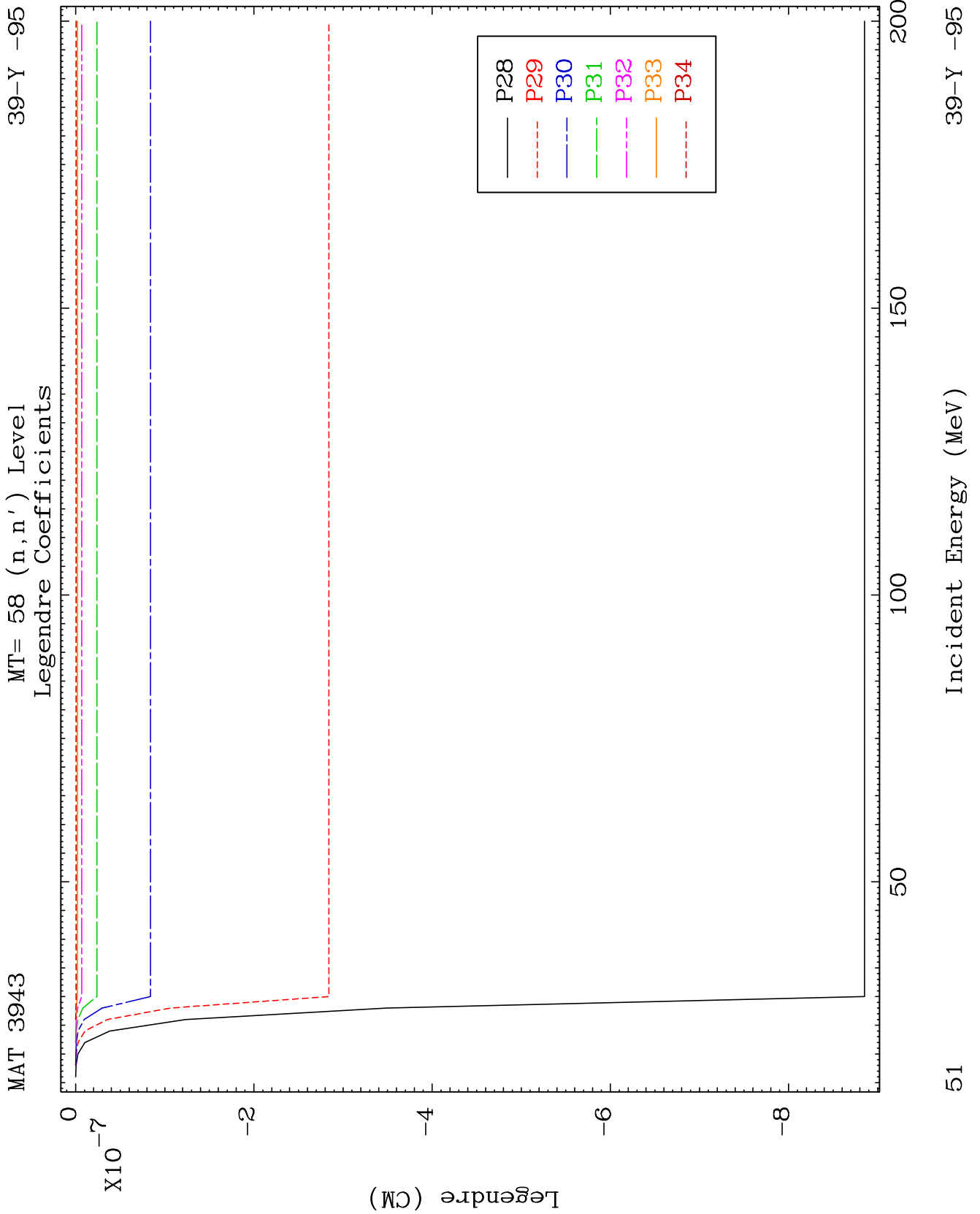


49

Incident Energy (MeV)

39-Y -95

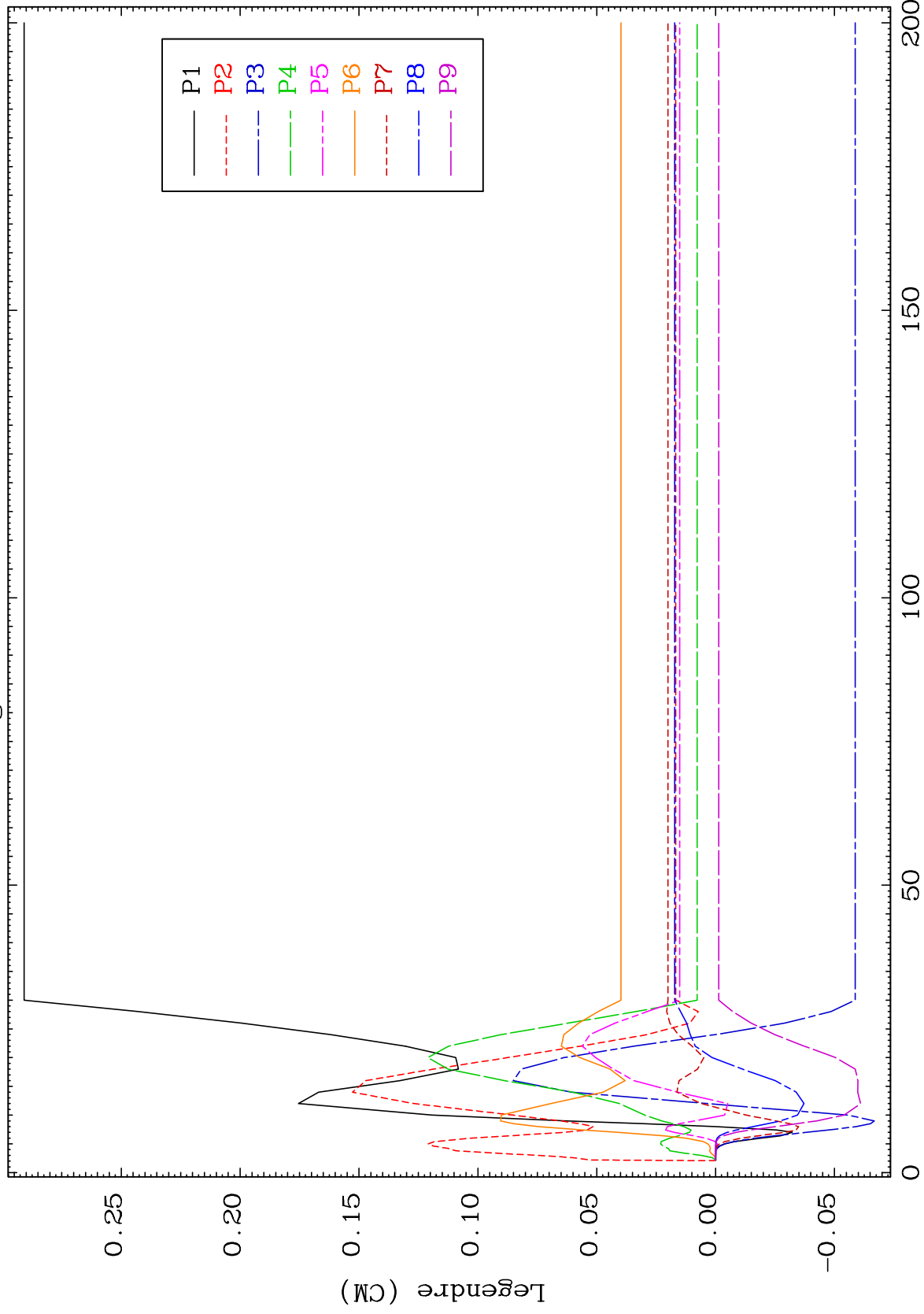




MAT 3943

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

39-Y -95



Incident Energy (MeV)

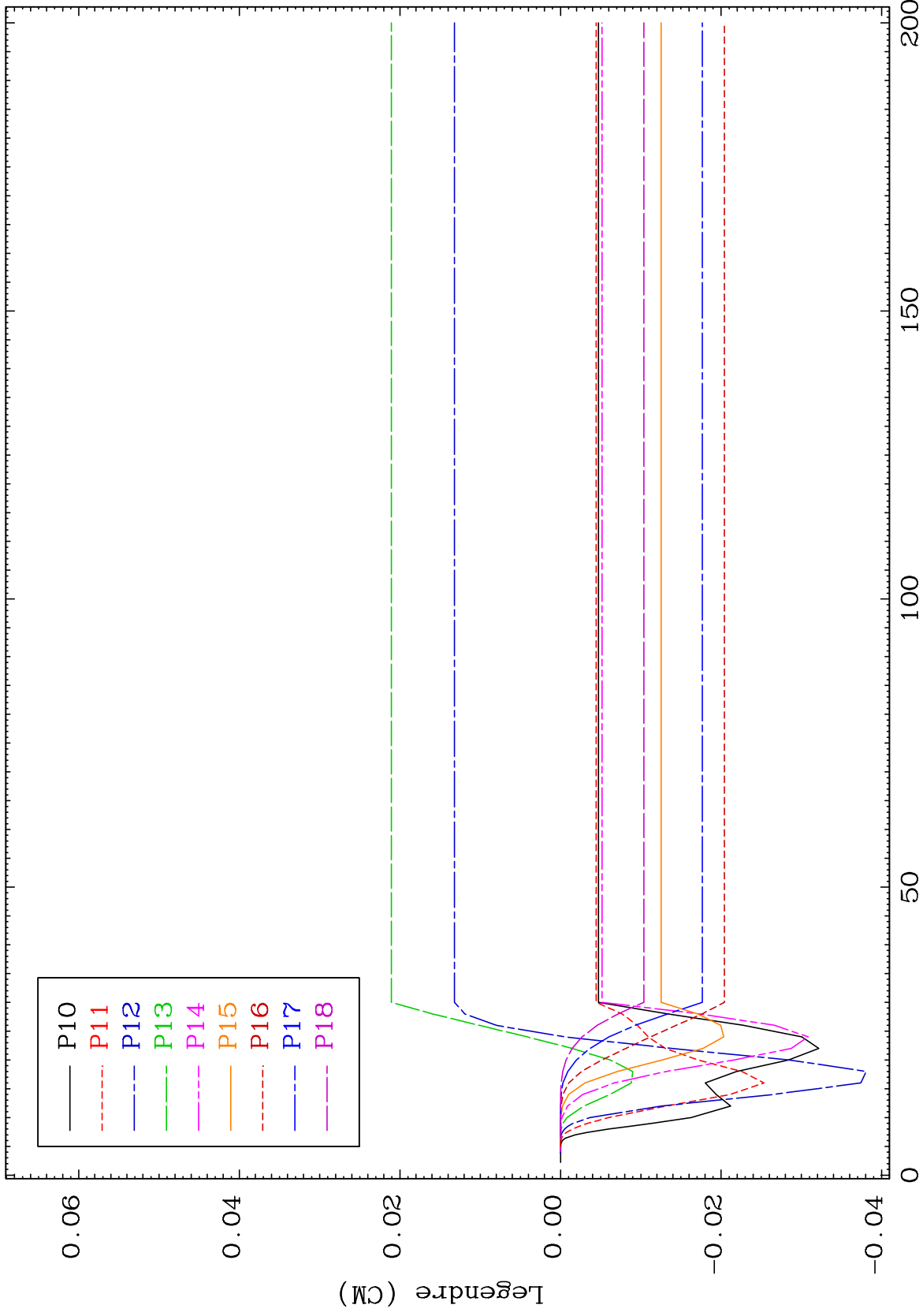
39-Y -95

52

MAT 3943

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

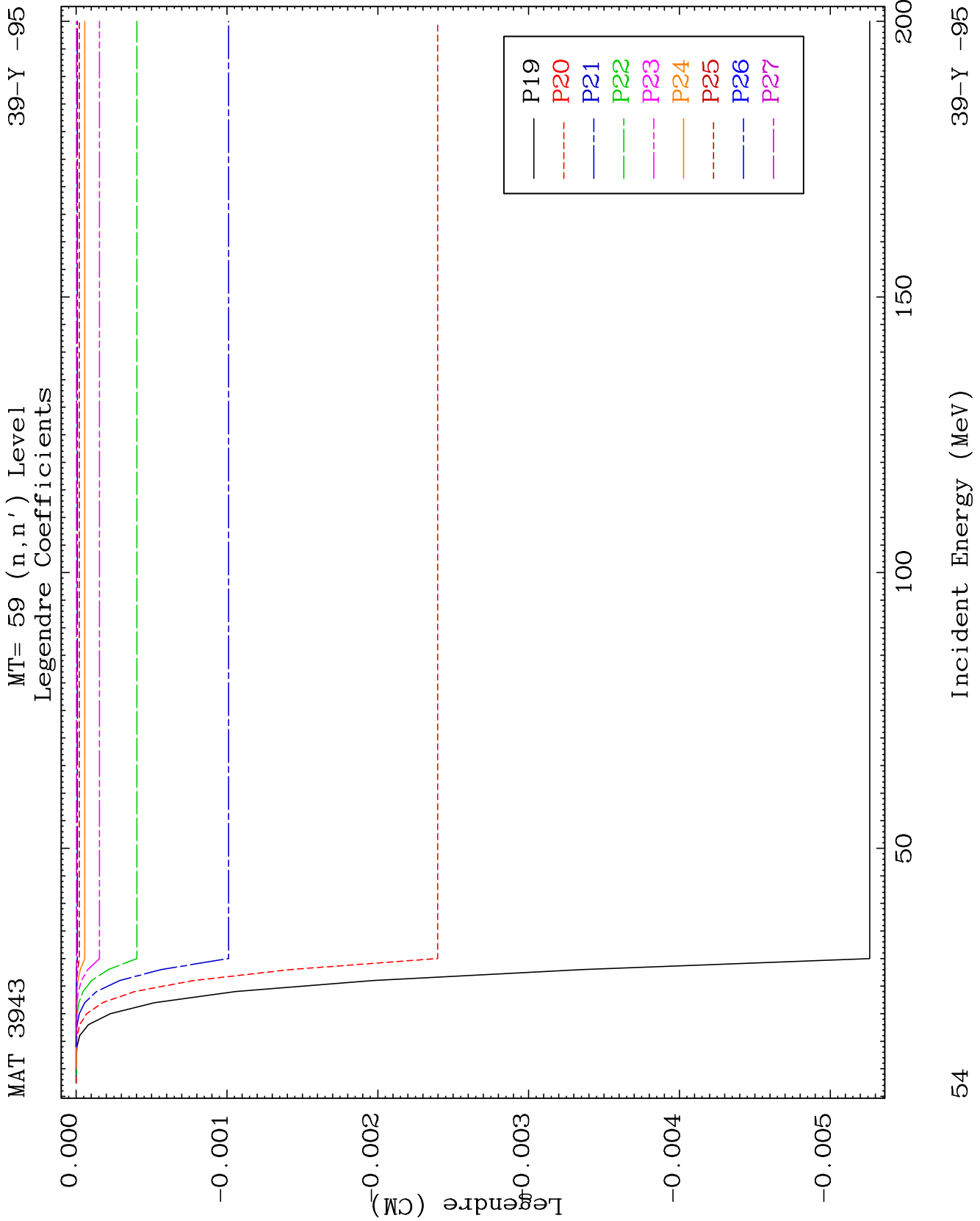
39-Y -95

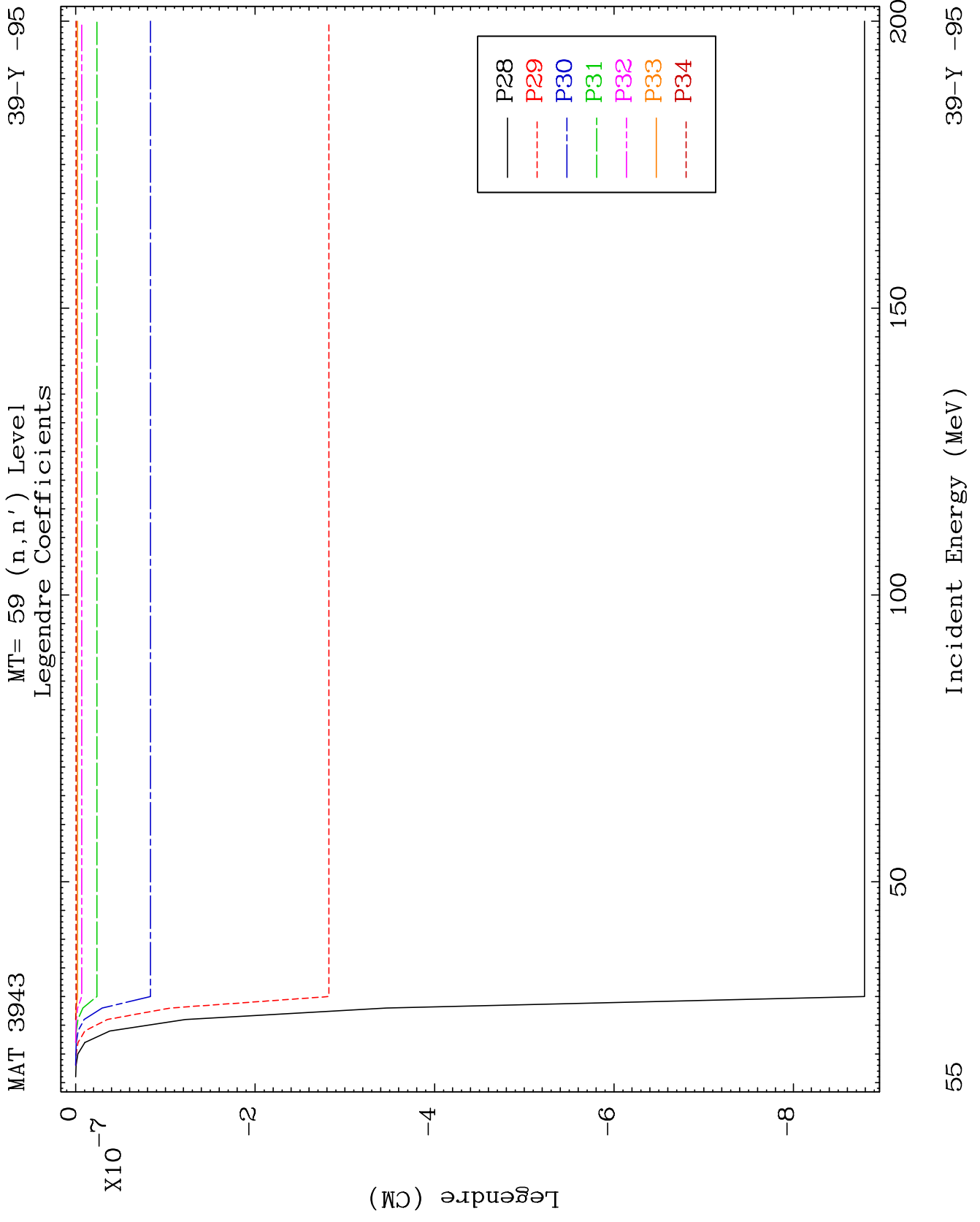


53

Incident Energy (MeV)

39-Y -95

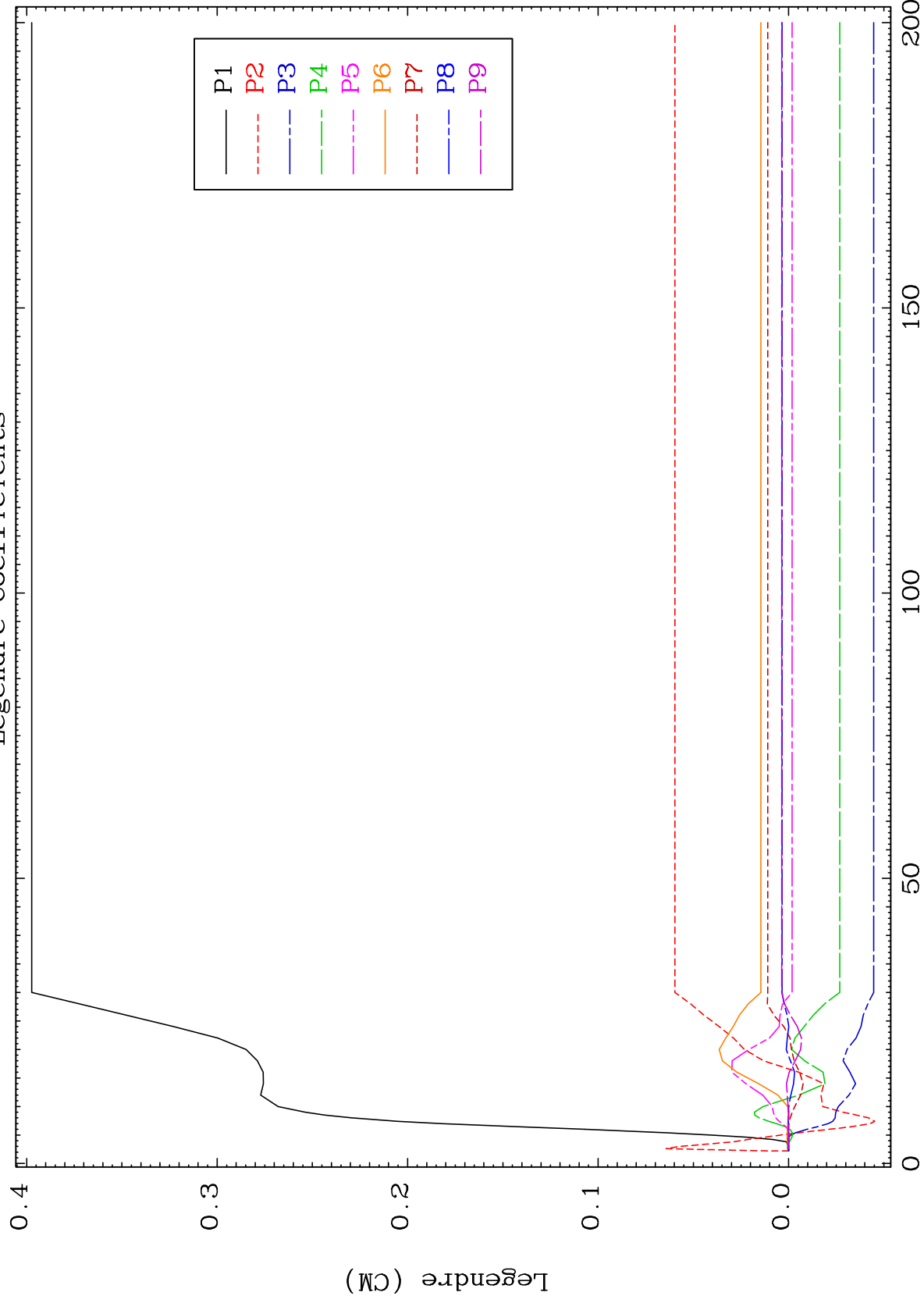




MAT 3943

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

39-Y -95



56

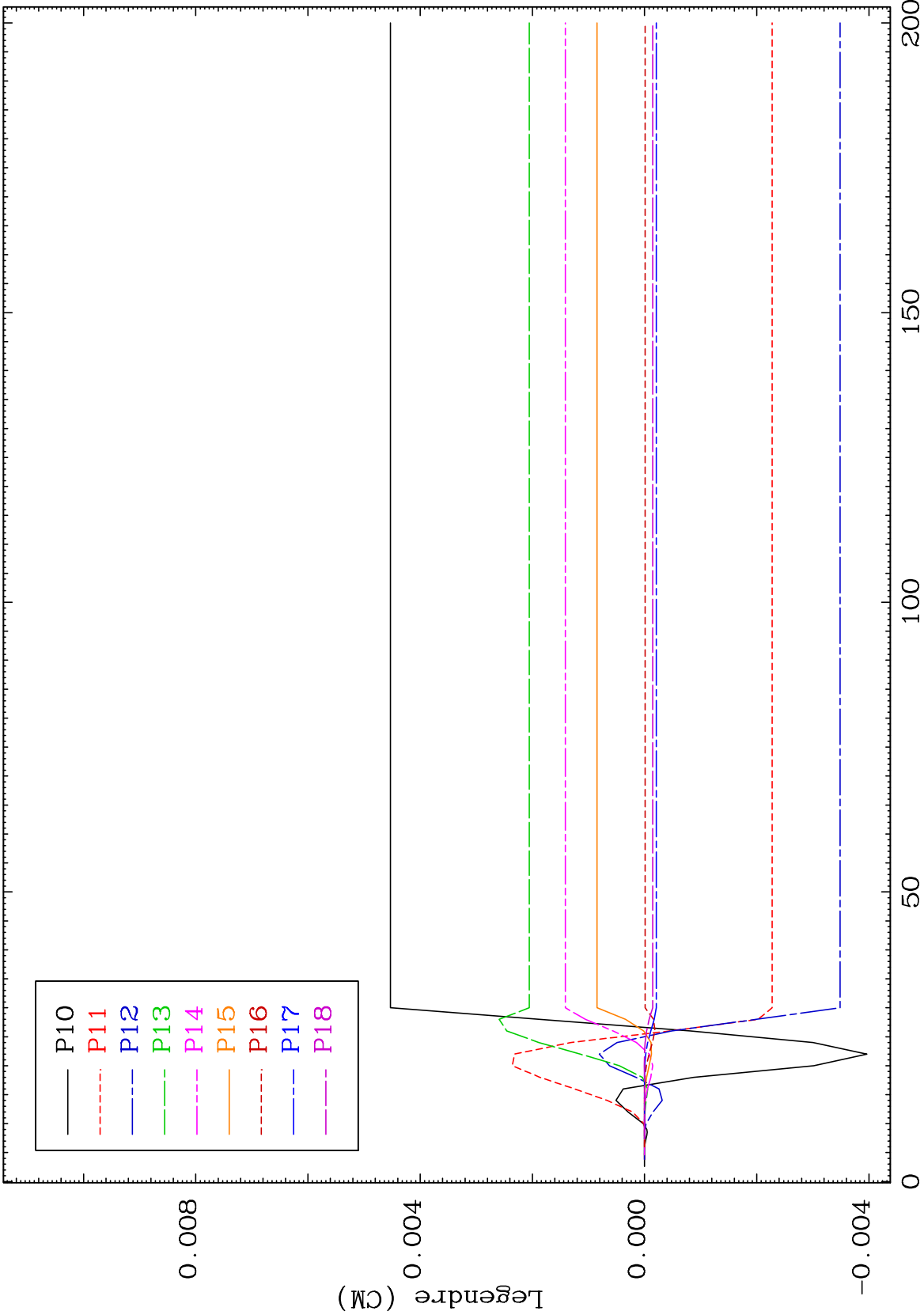
Incident Energy (MeV)

39-Y -95

MAT 3943

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

39-Y -95



57

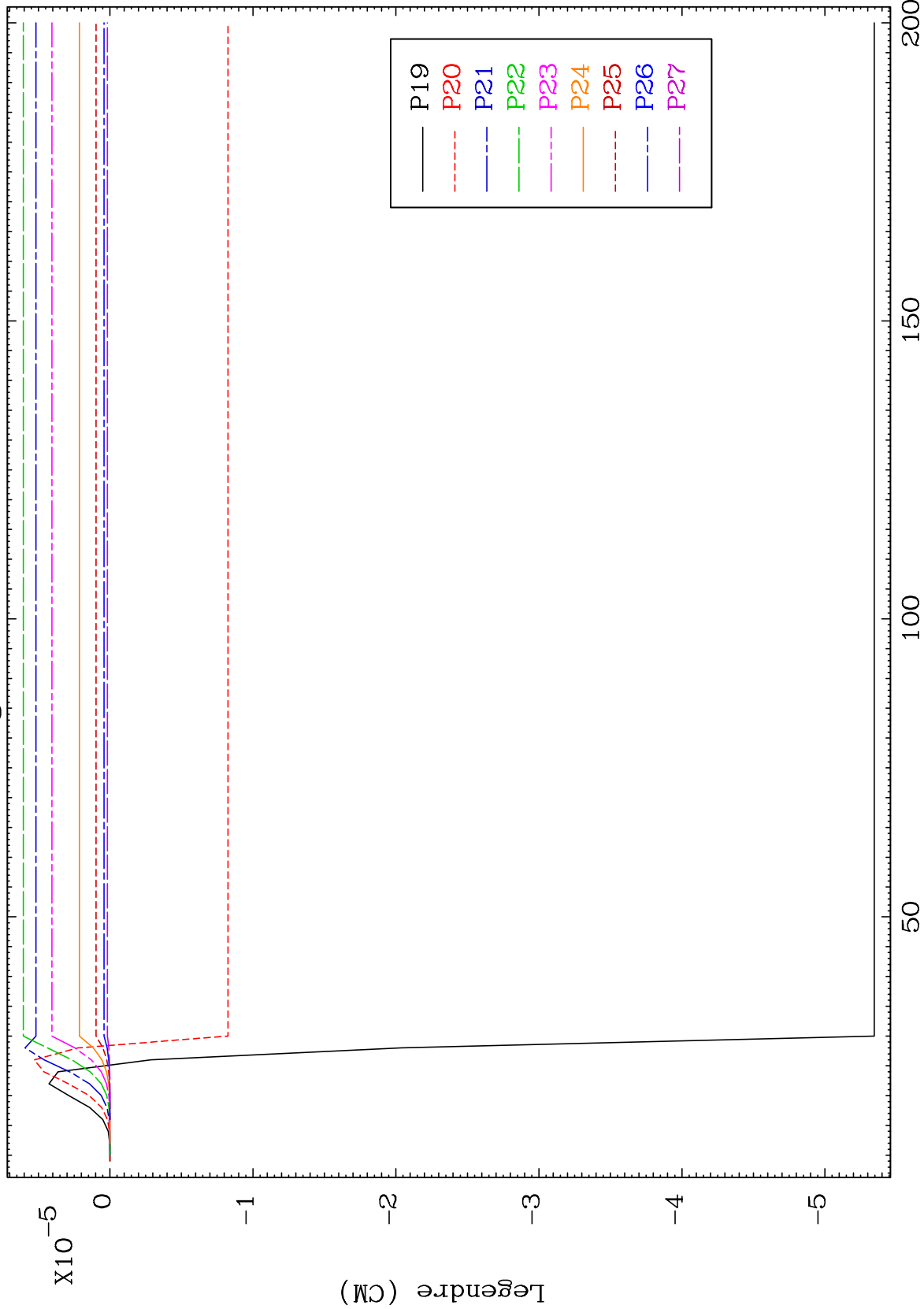
Incident Energy (MeV)

39-Y -95

MAT 3943

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

39-Y -95



58

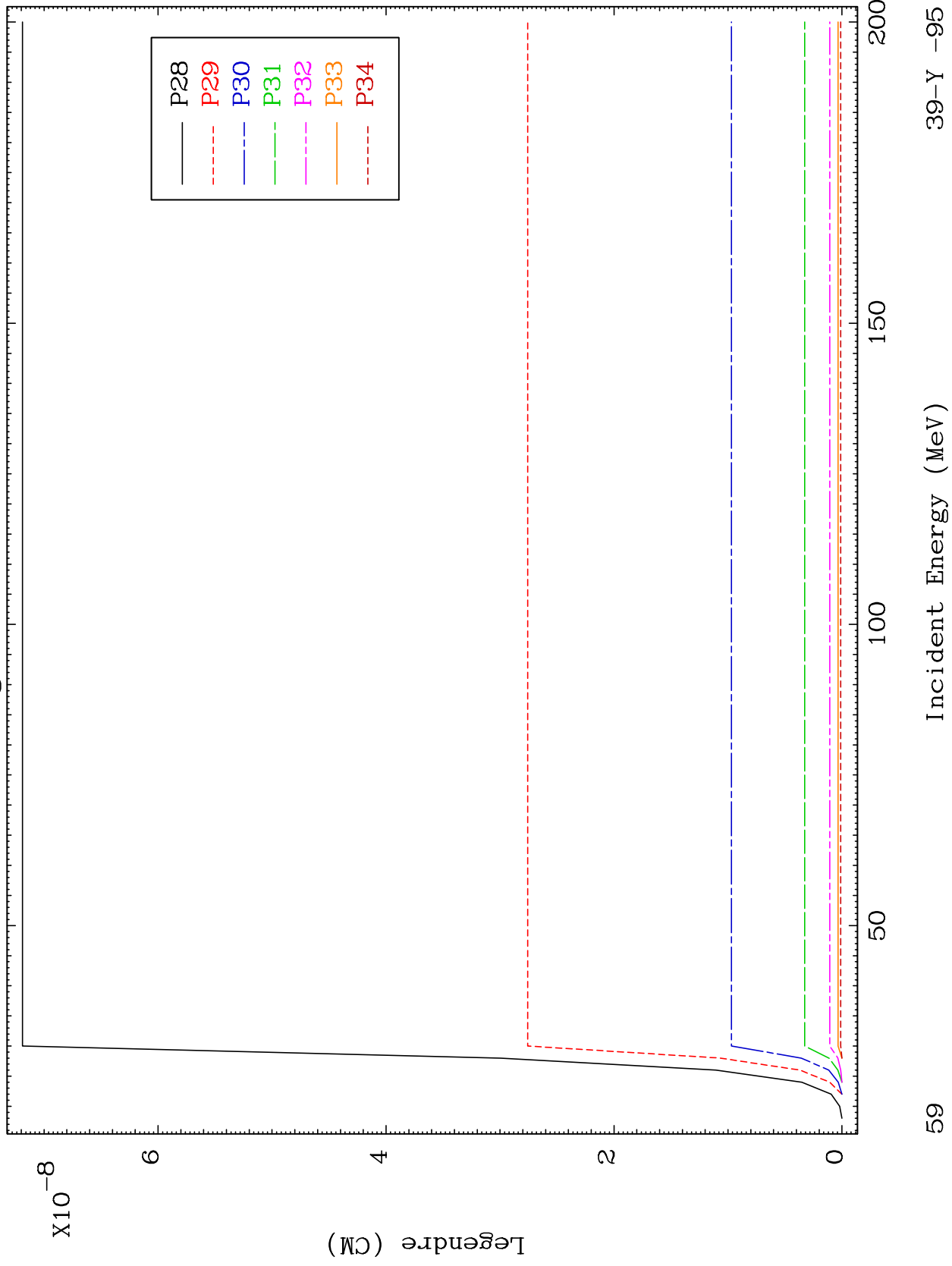
Incident Energy (MeV)

39-Y -95

MAT 3943

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

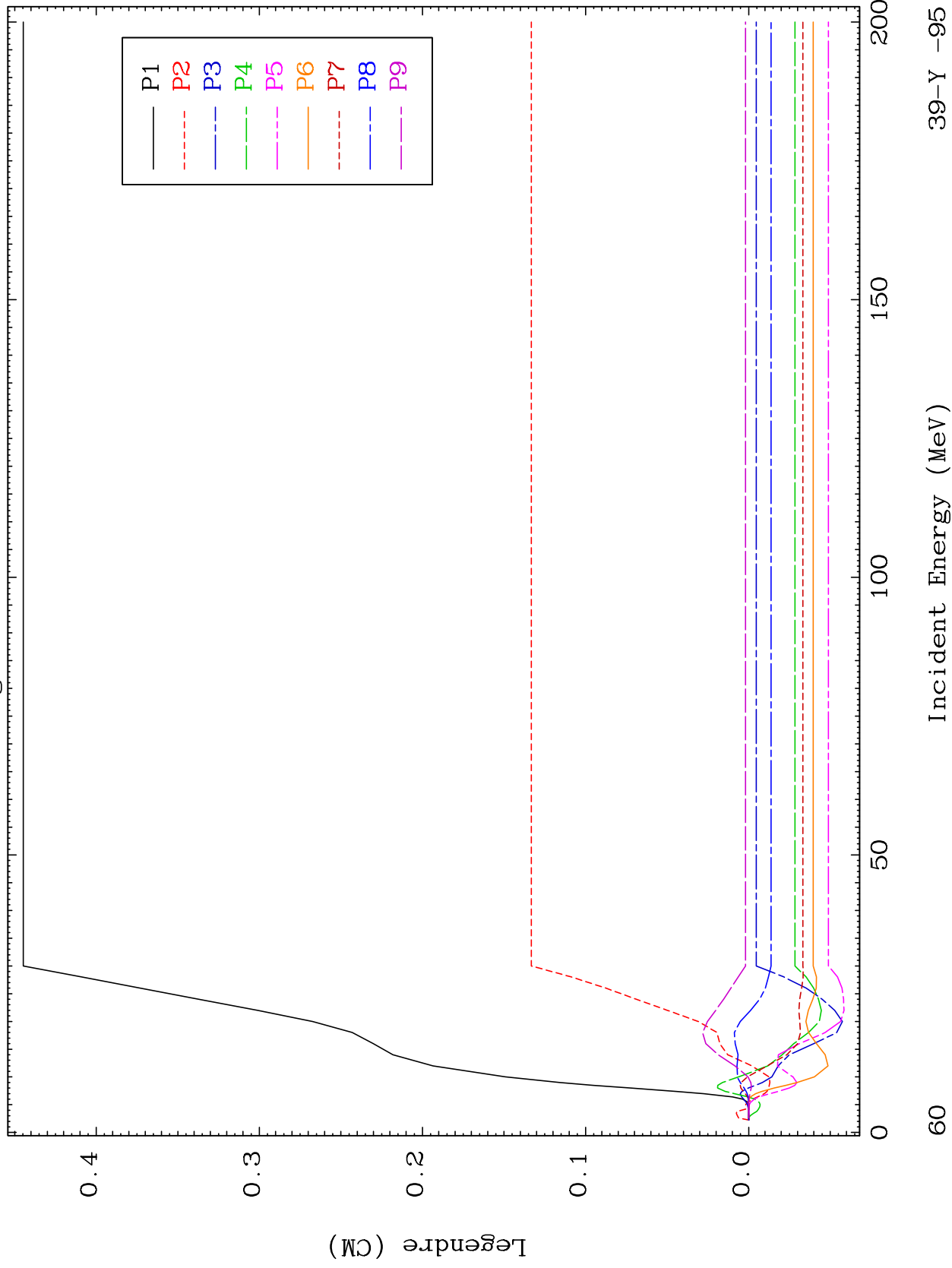
39-Y -95



MAT 3943

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

39-Y -95

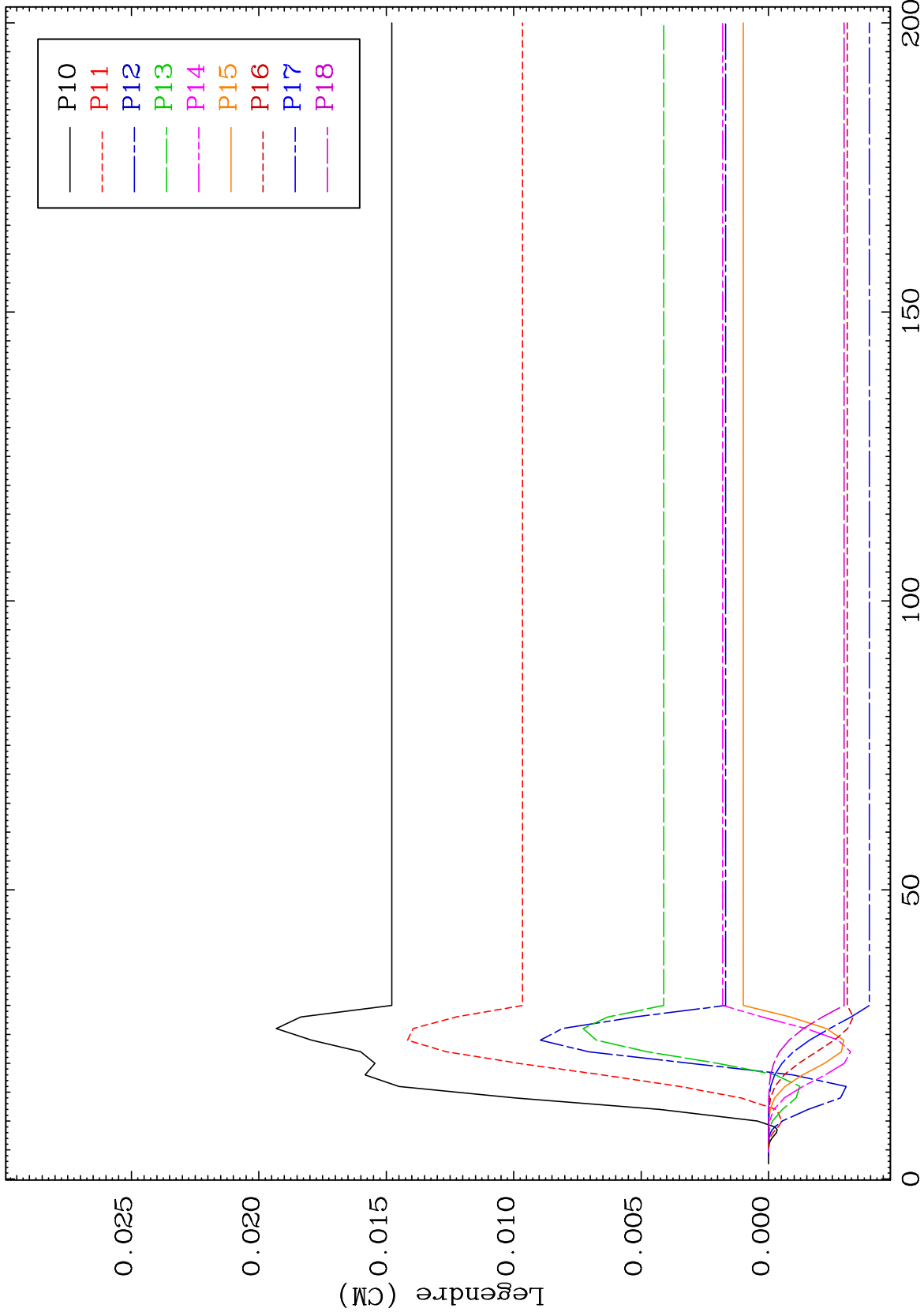


39-Y -95

MAT 3943

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

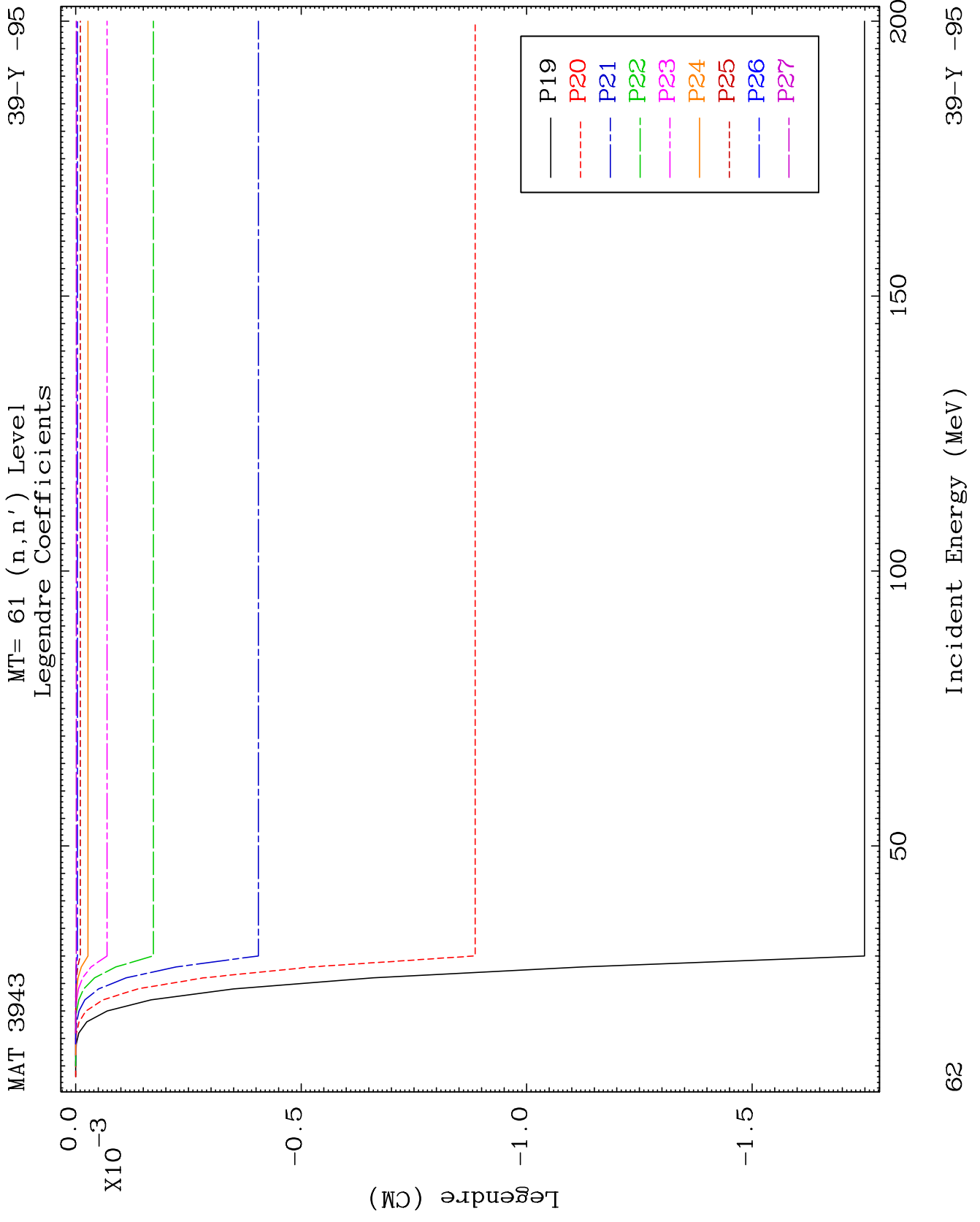
39-Y -95

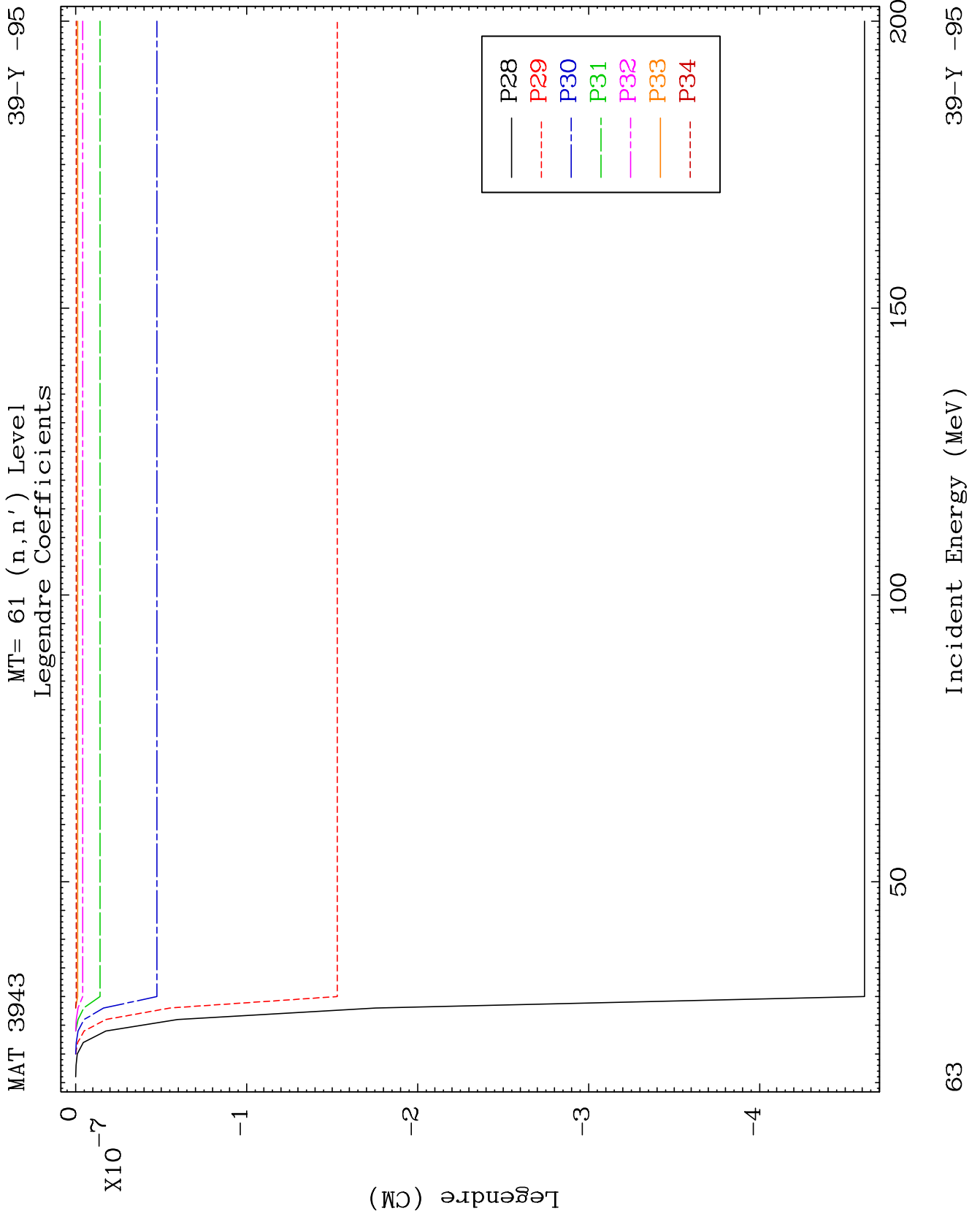


61

Incident Energy (MeV)

39-Y -95

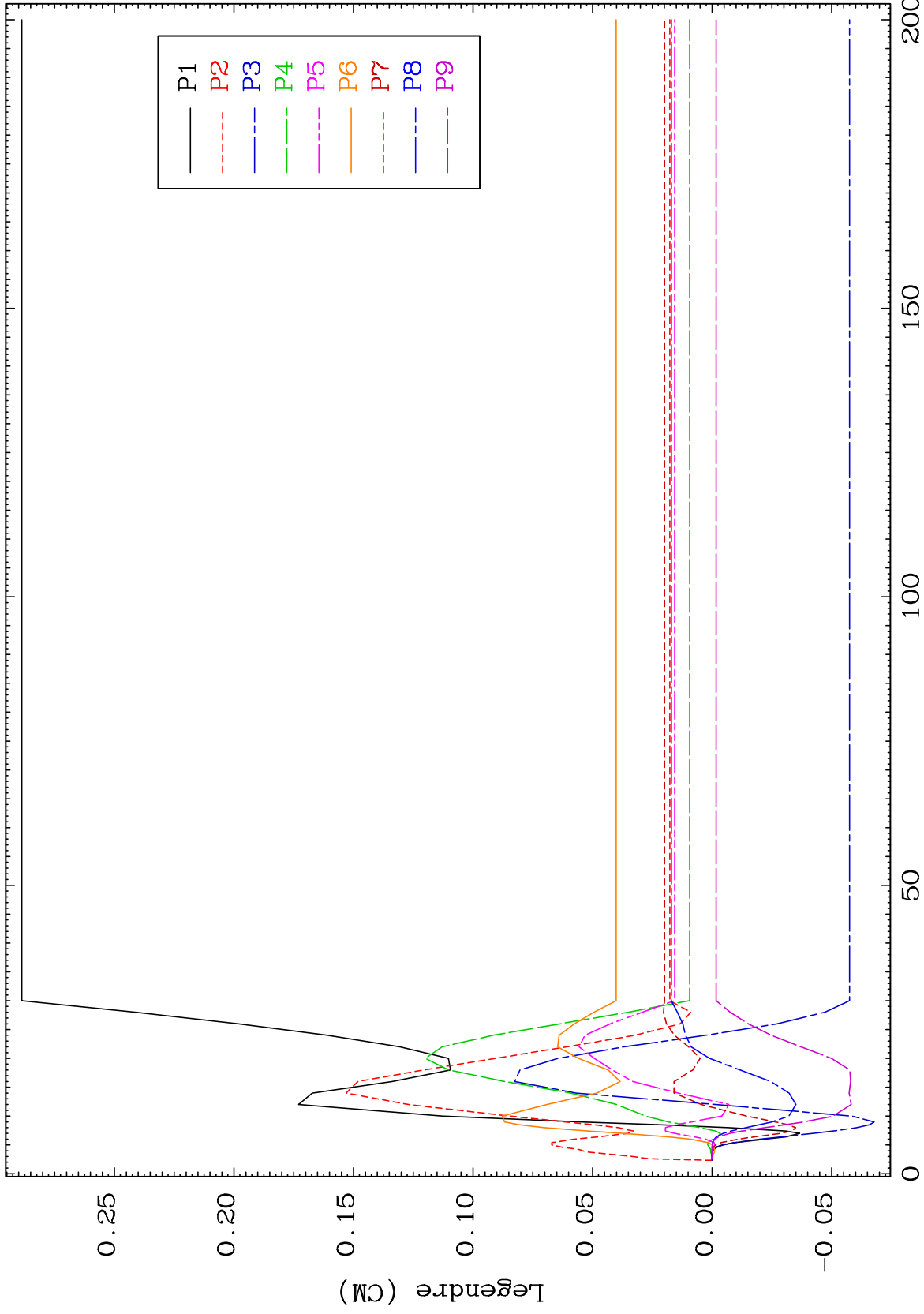




MAT 3943

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

39-Y -95



64

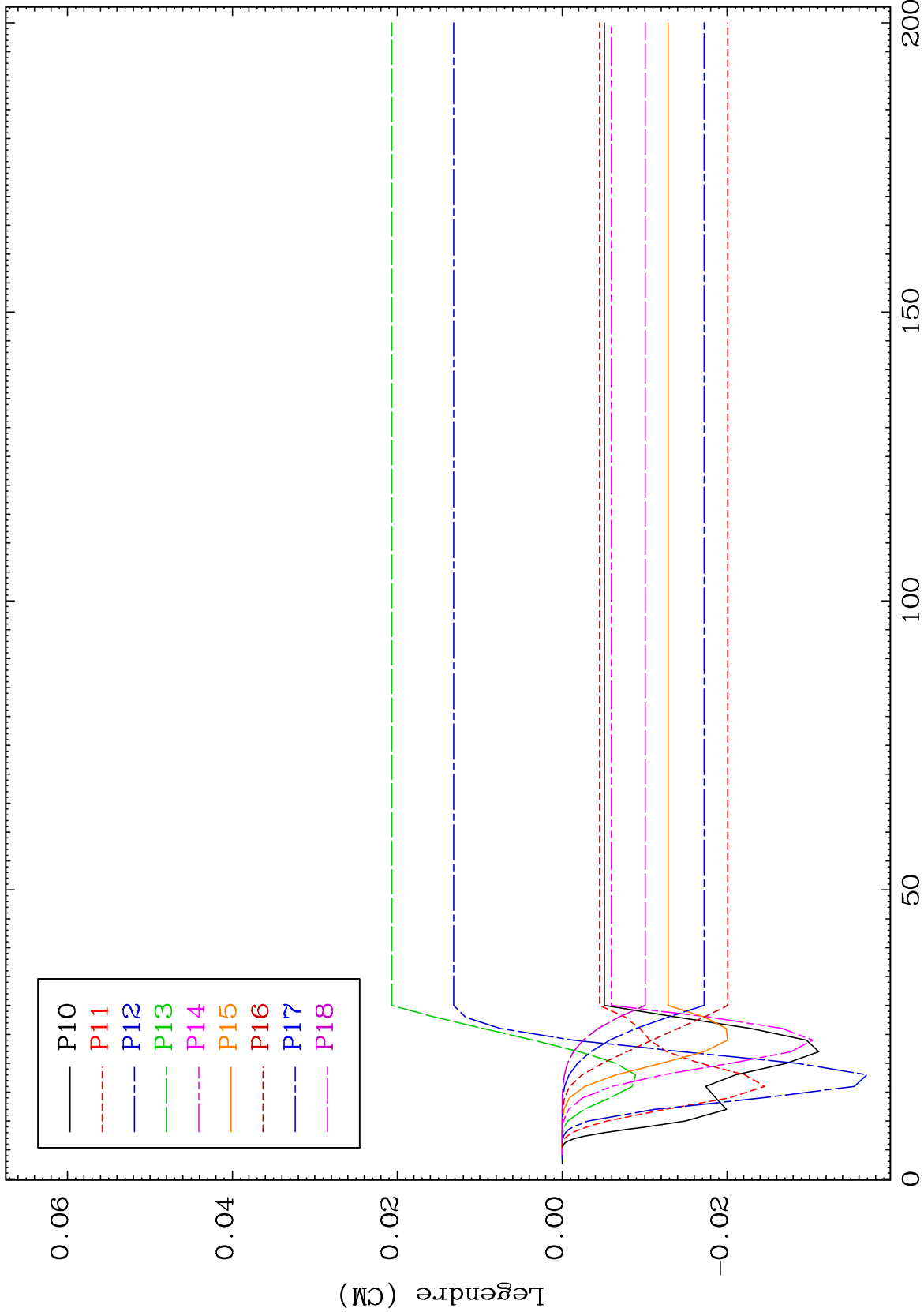
Incident Energy (MeV)

39-Y -95

MAT 3943

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

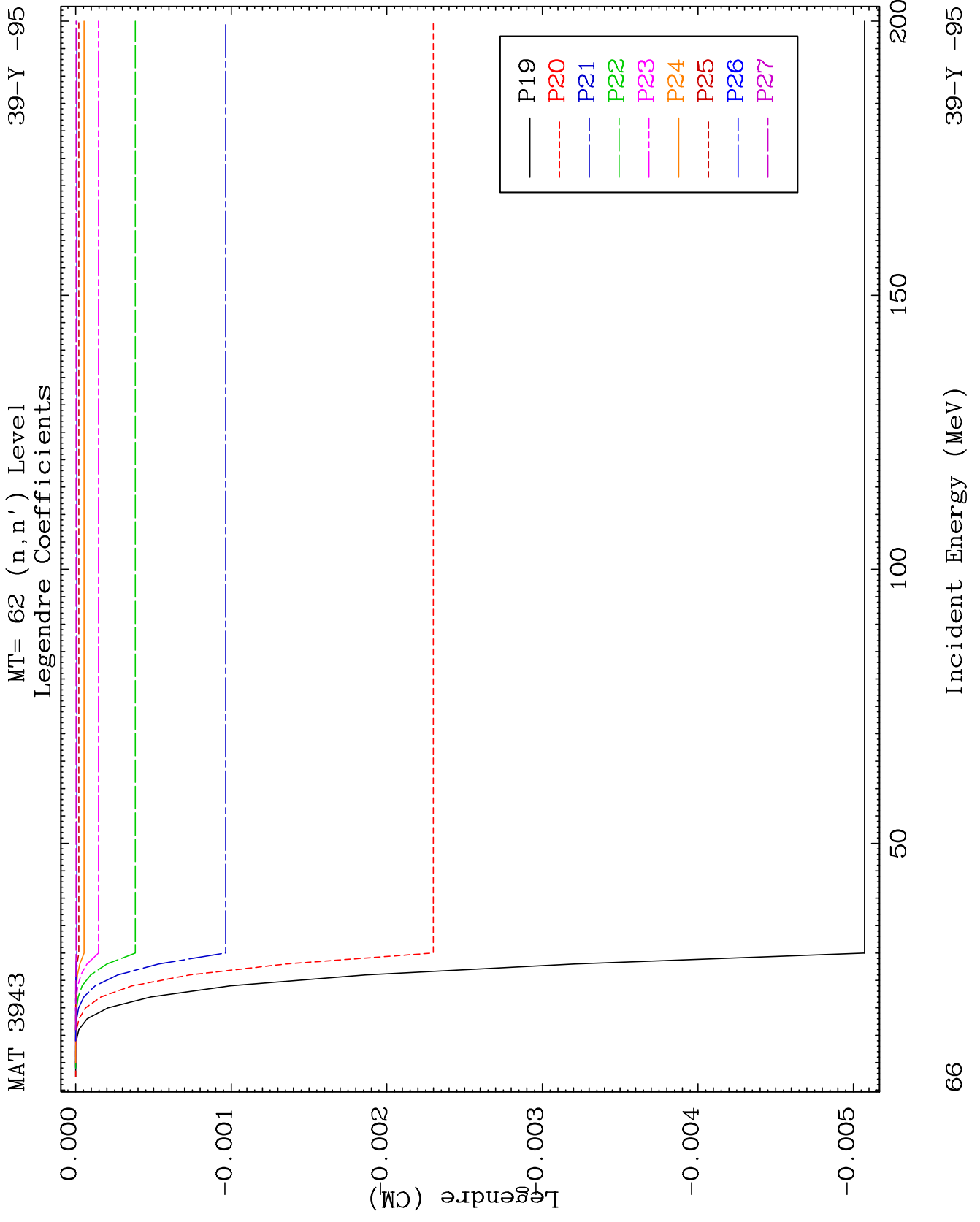
39-Y -95

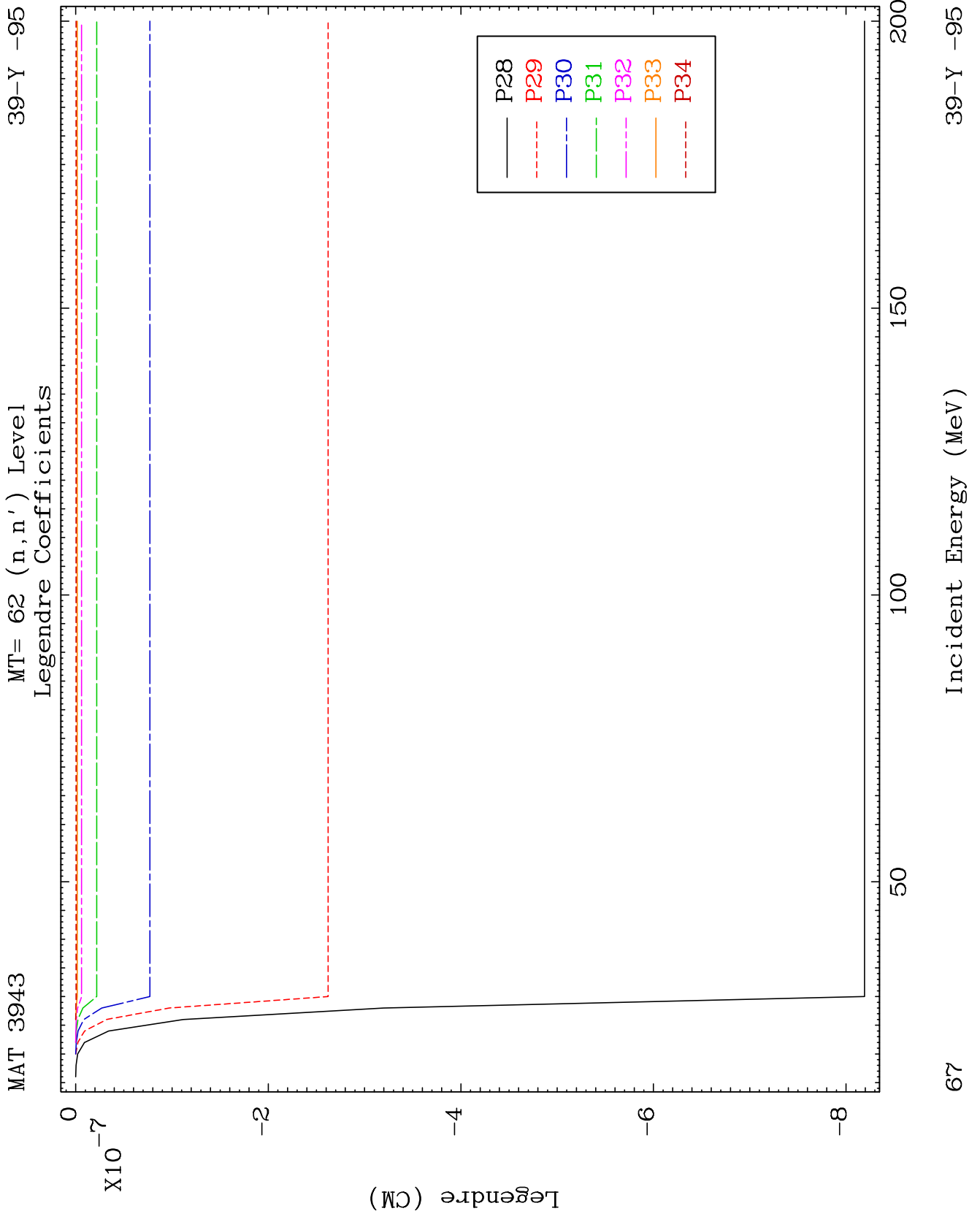


65

Incident Energy (MeV)

39-Y -95

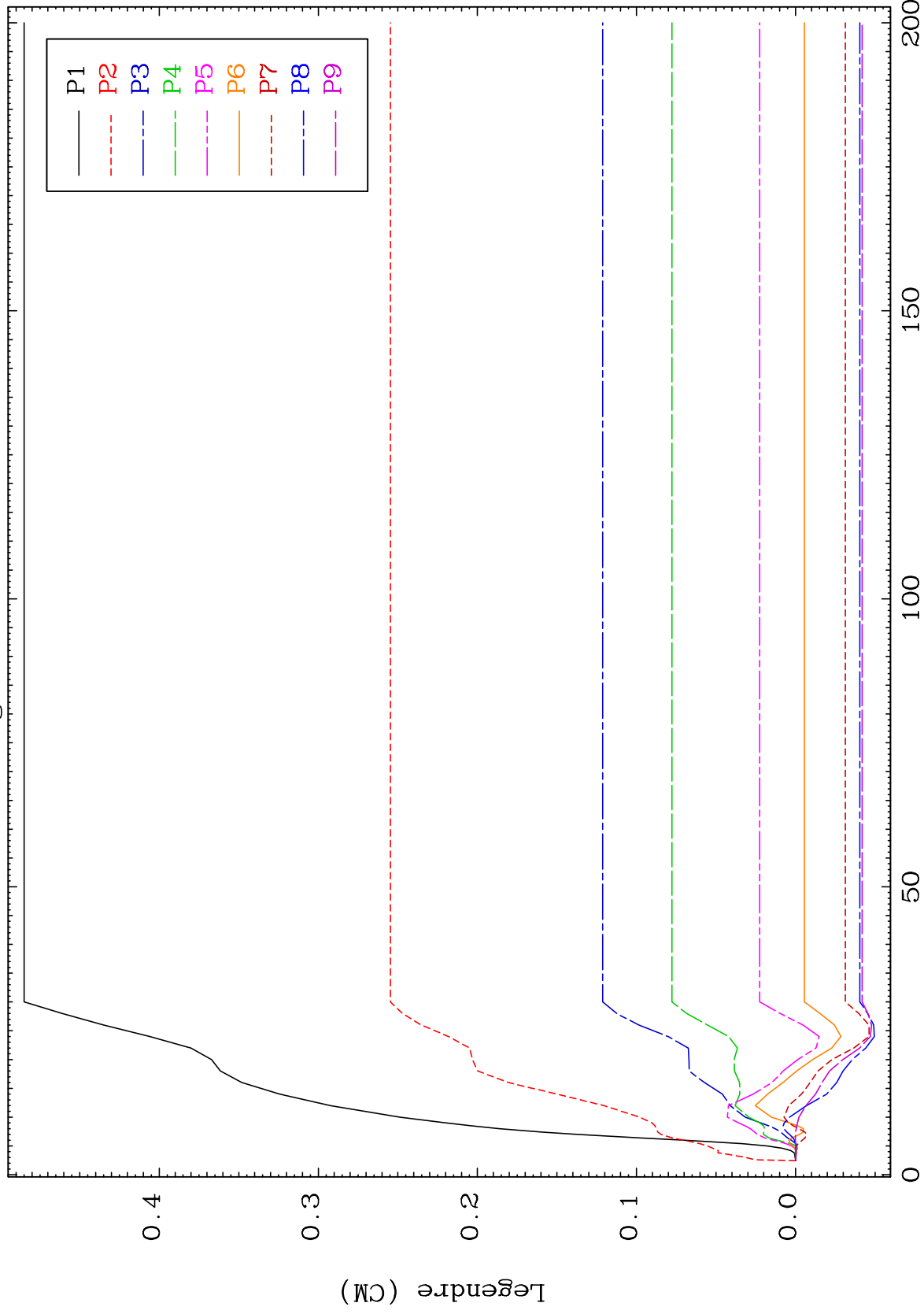




MAT 3943

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

39-Y -95



68

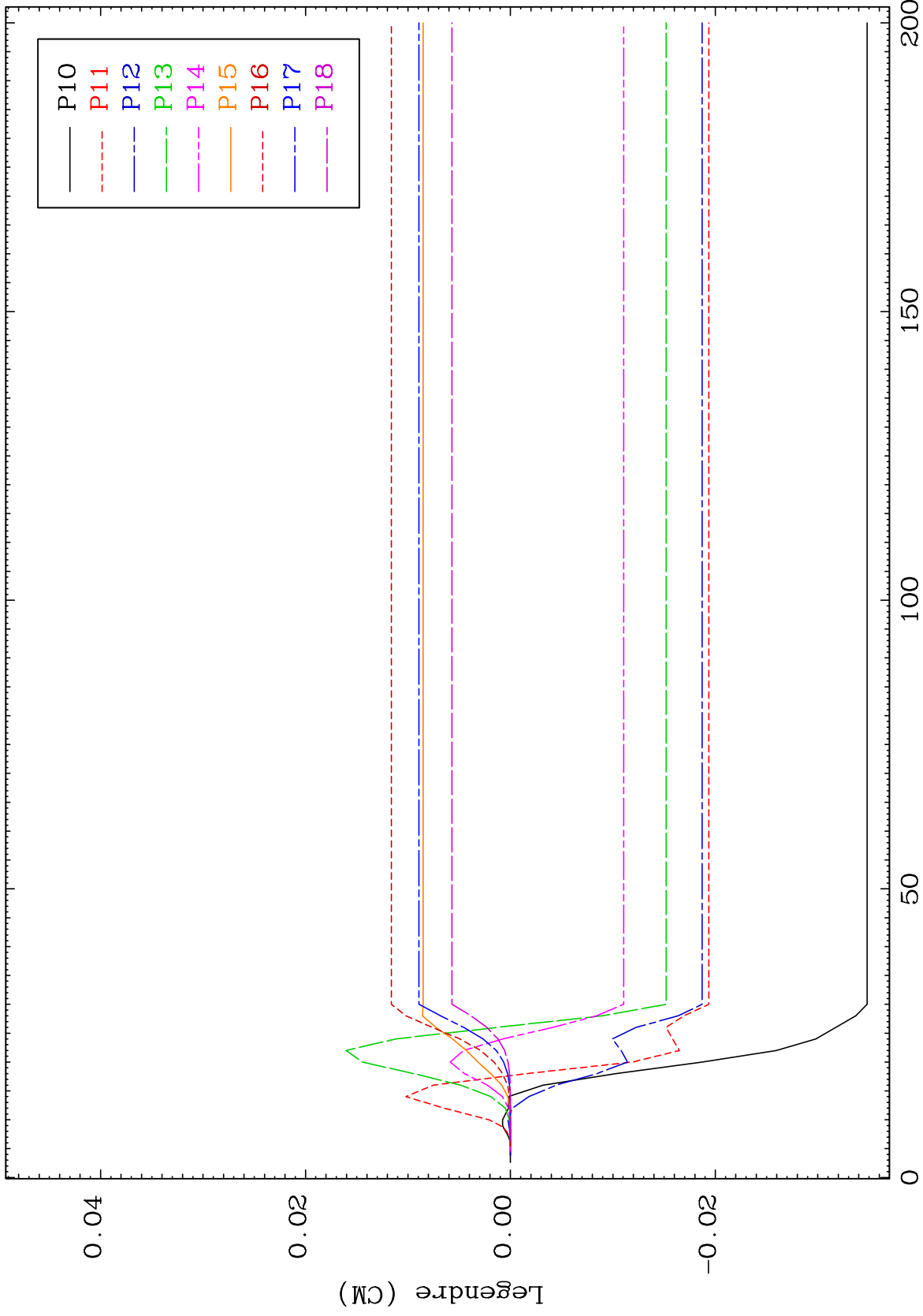
Incident Energy (MeV)

39-Y -95

MAT 3943

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

39-Y -95



69

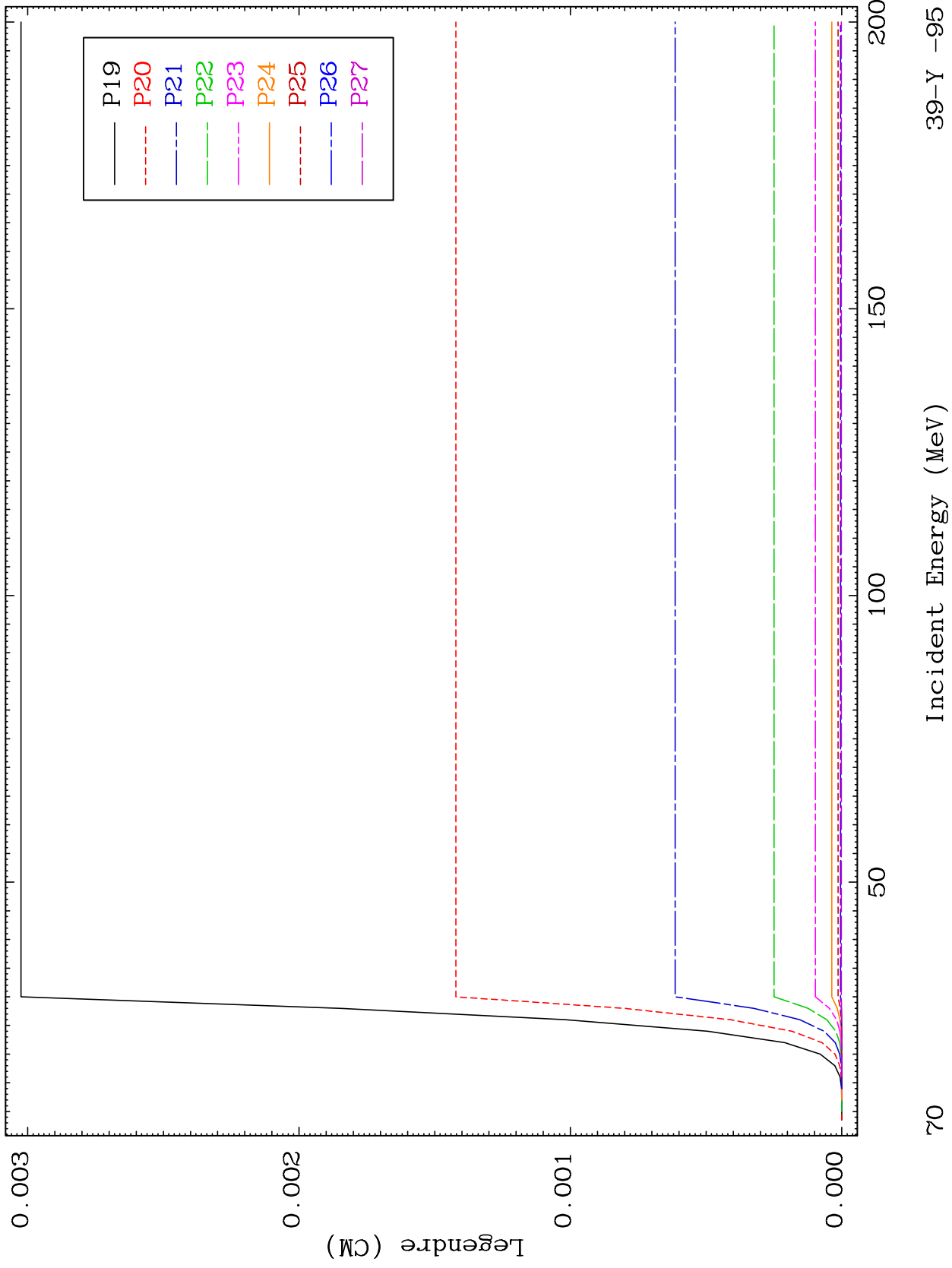
Incident Energy (MeV)

39-Y -95

MAT 3943

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

39-Y -95



70

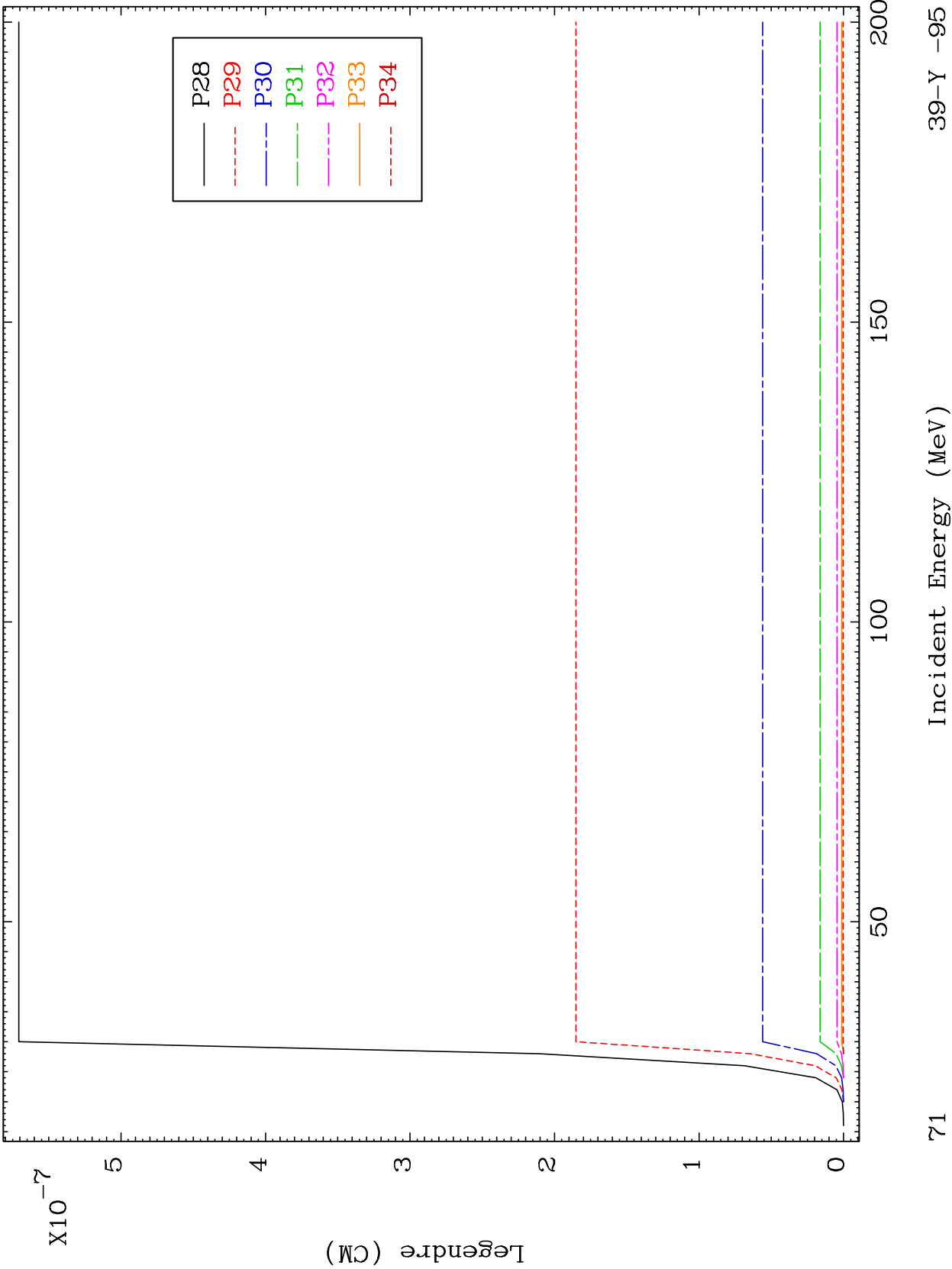
Incident Energy (MeV)

39-Y -95

MAT 3943

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

39-Y -95



71

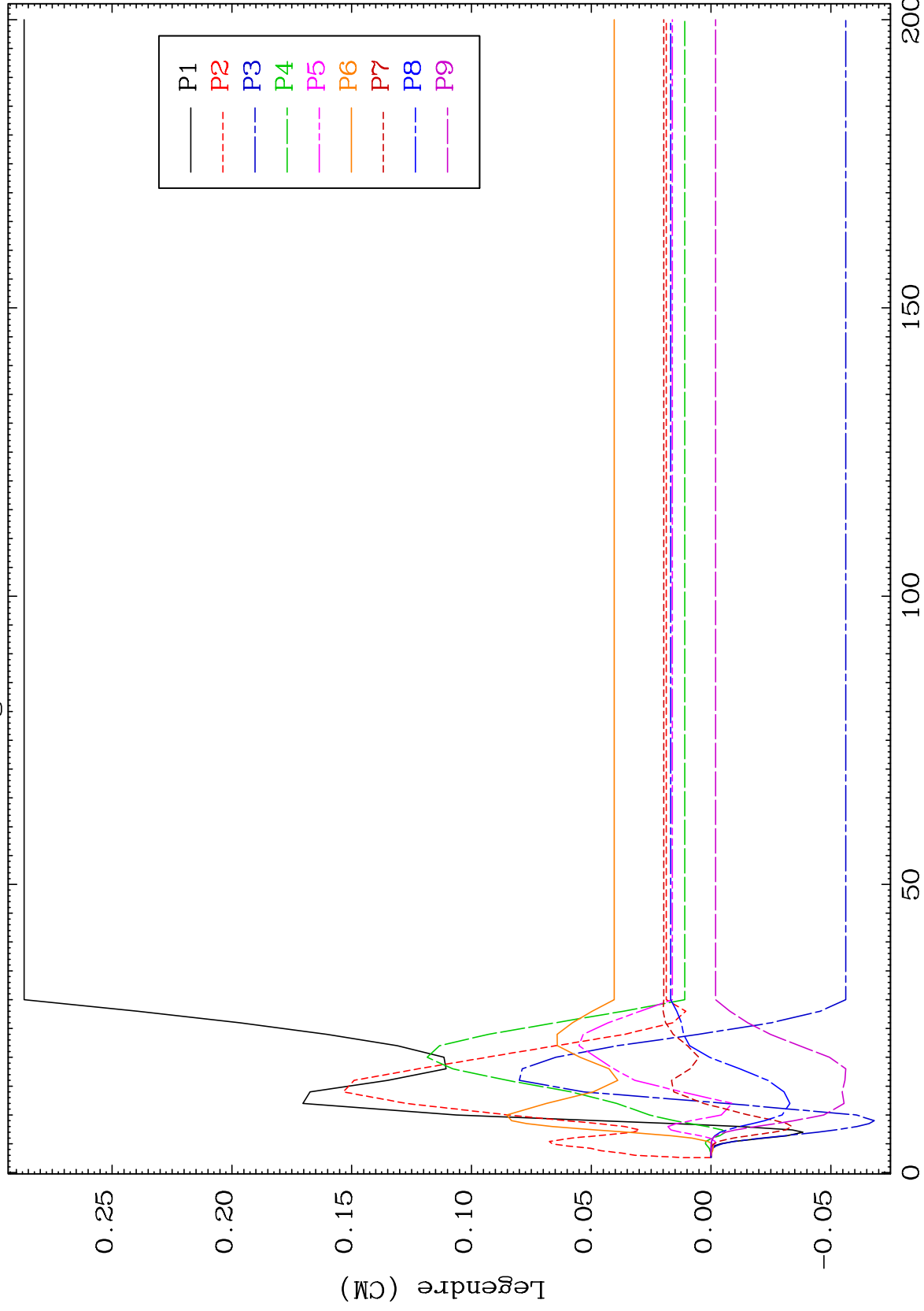
Incident Energy (MeV)

39-Y -95

MAT 3943

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

39-Y -95



72

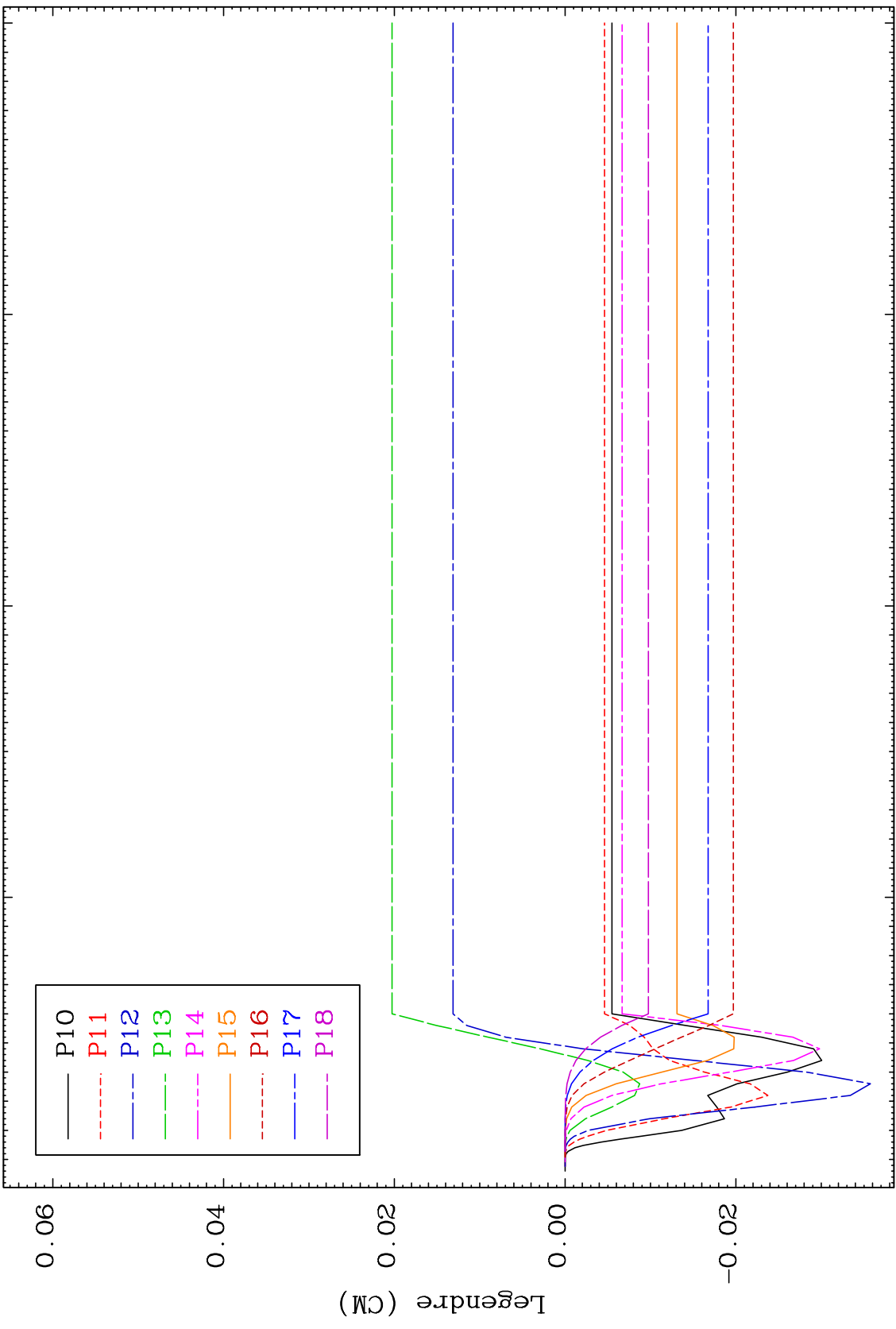
Incident Energy (MeV)

39-Y -95

MAT 3943

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

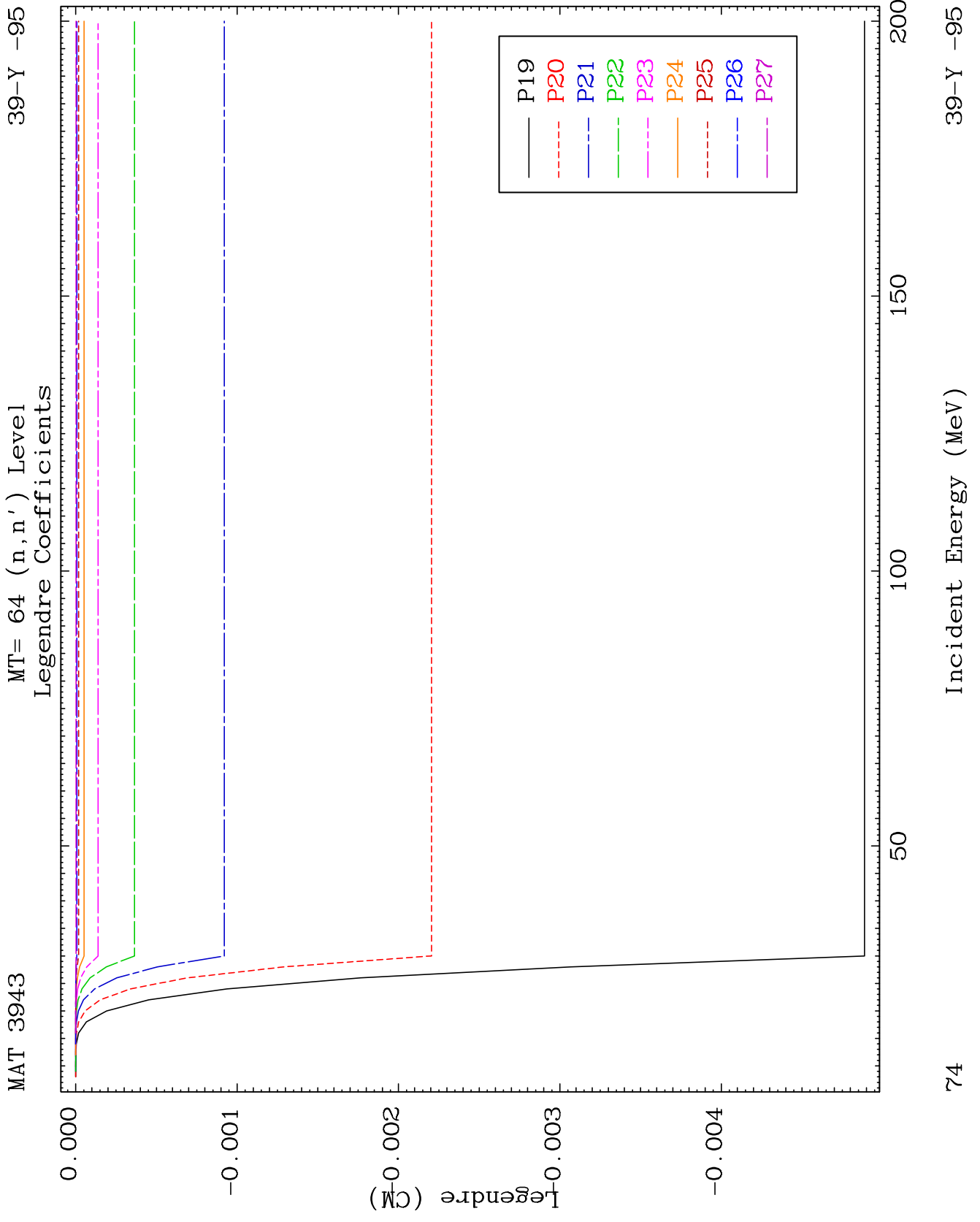
39-Y -95

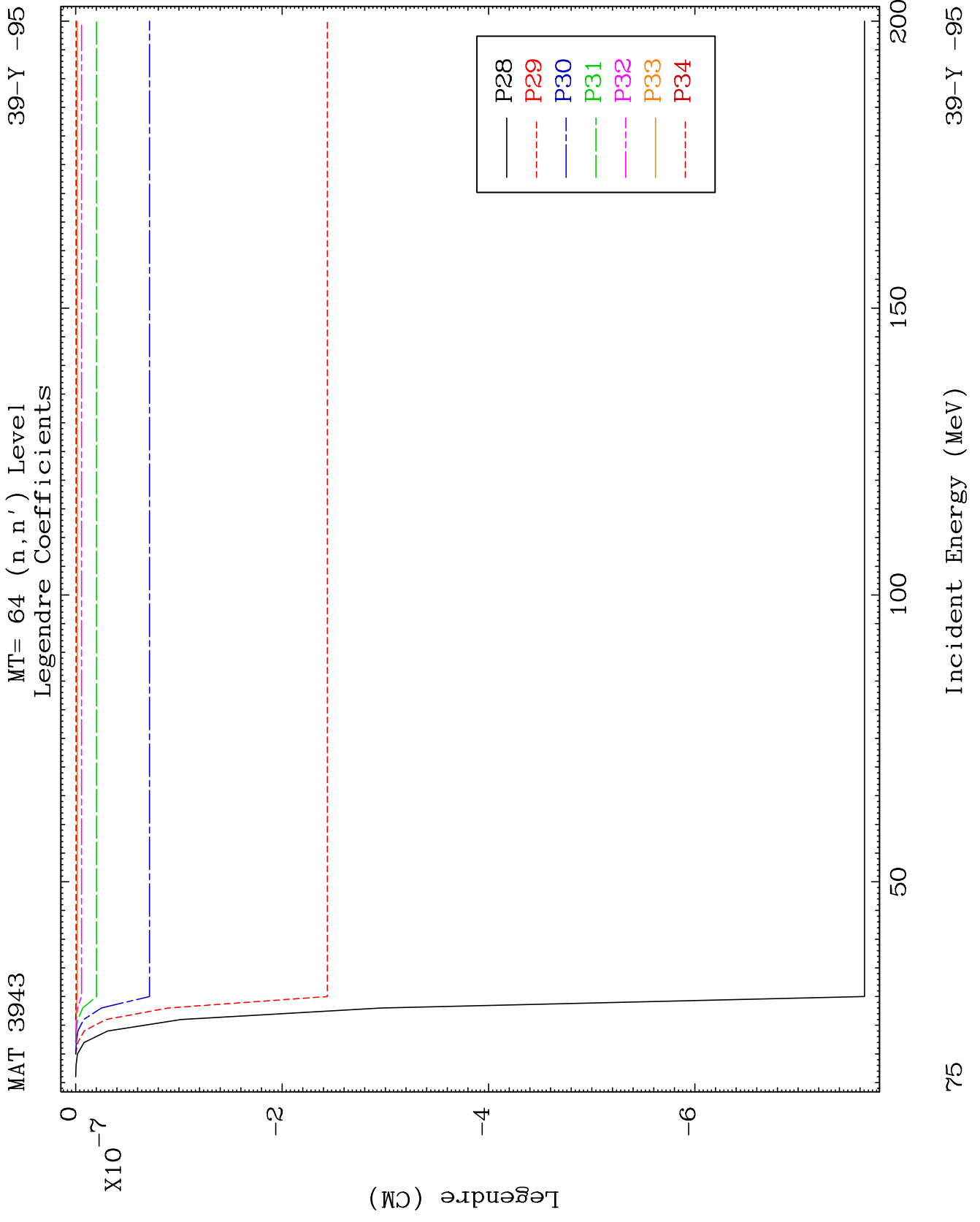


73

Incident Energy (MeV)

39-Y -95

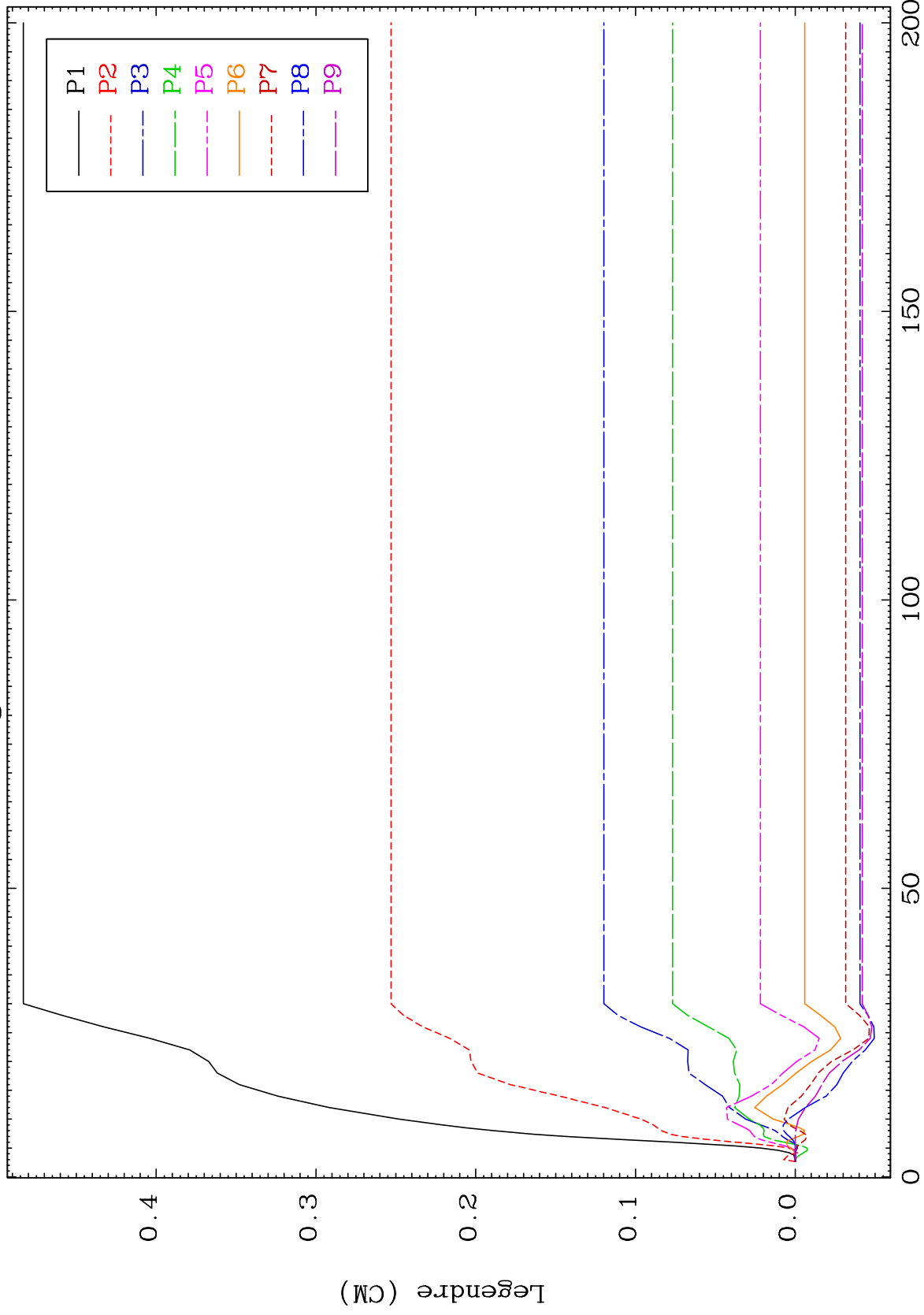




MAT 3943

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

39-Y -95



76

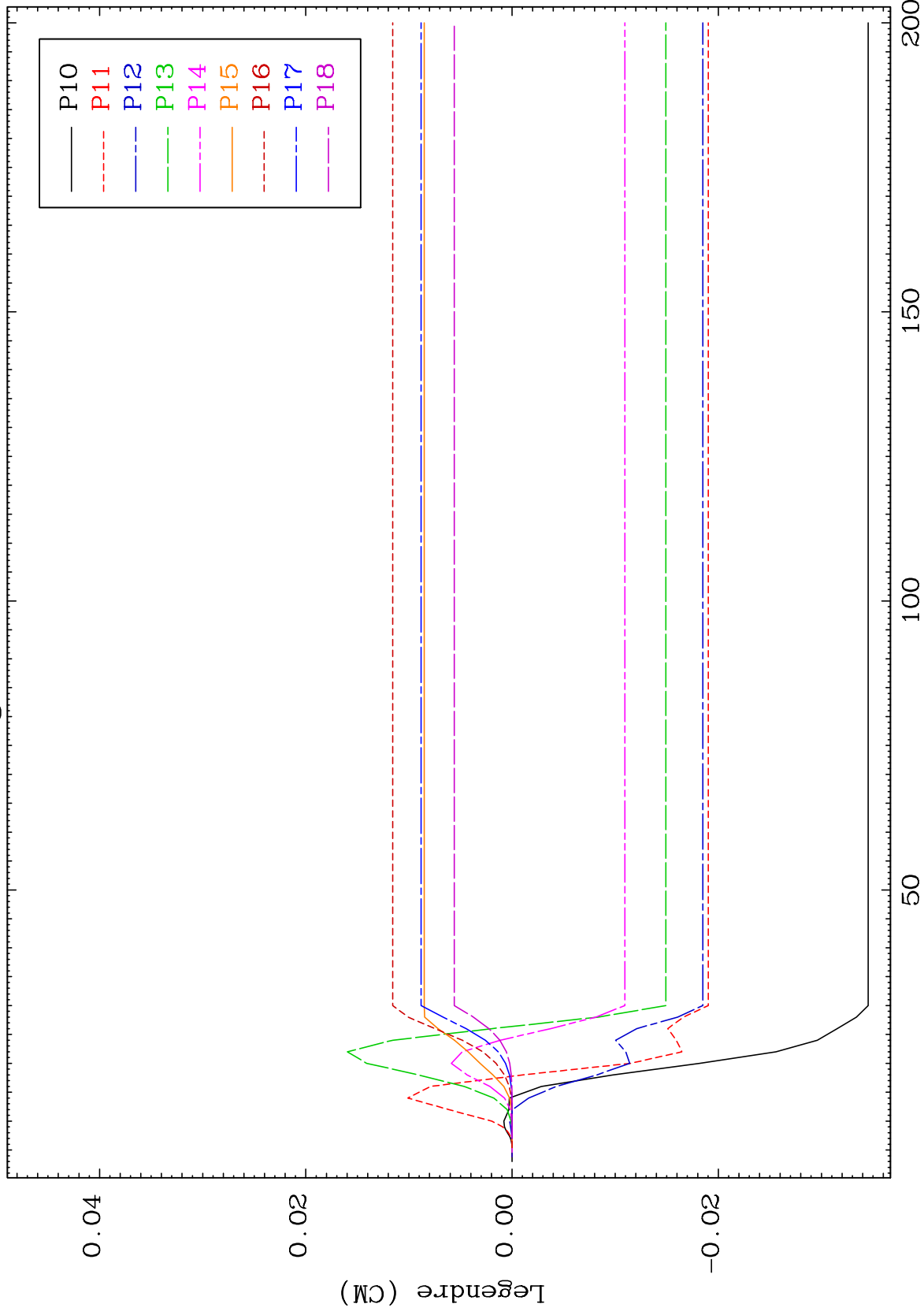
Incident Energy (MeV)

39-Y -95

MAT 3943

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

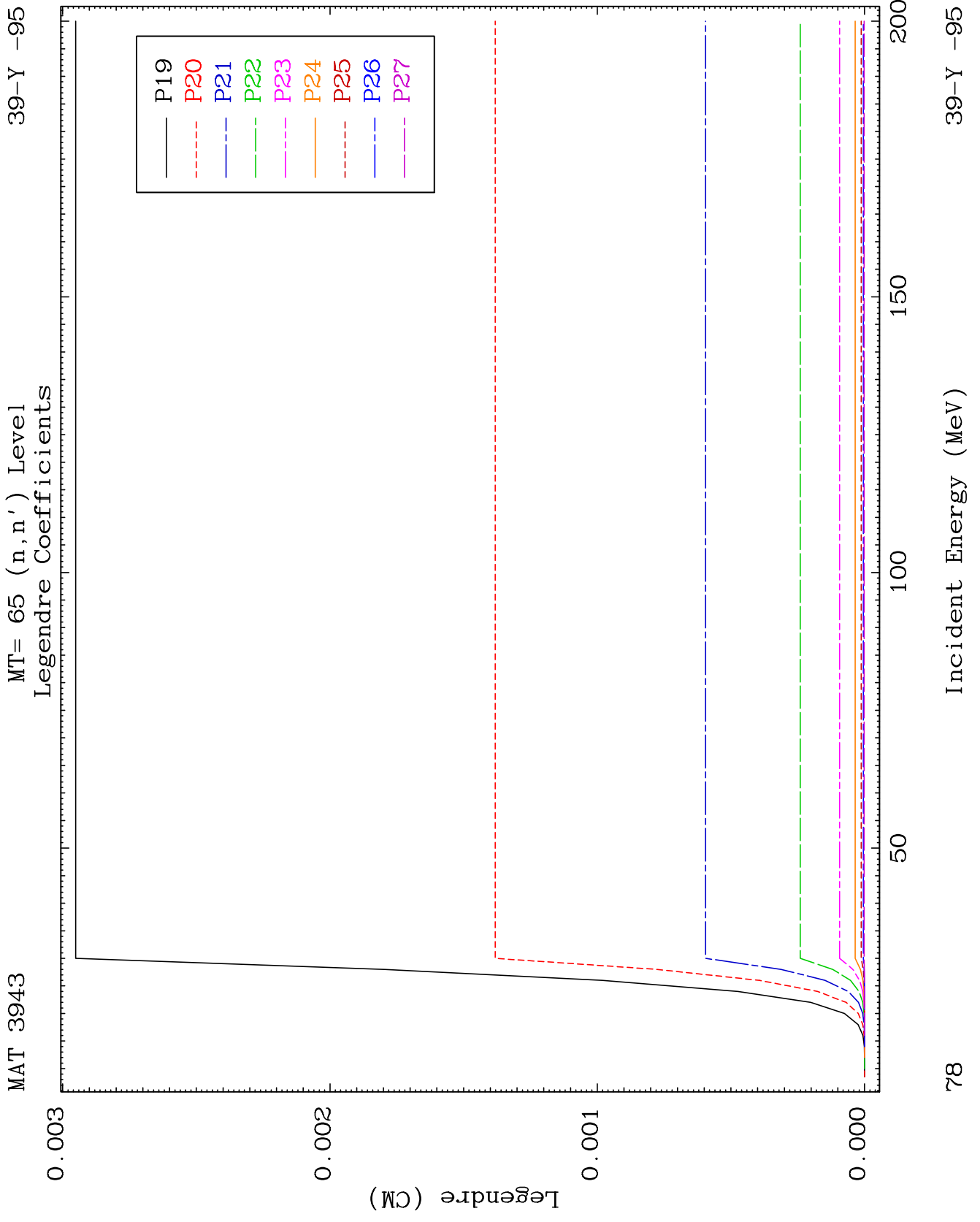
39-Y -95



77

Incident Energy (MeV)

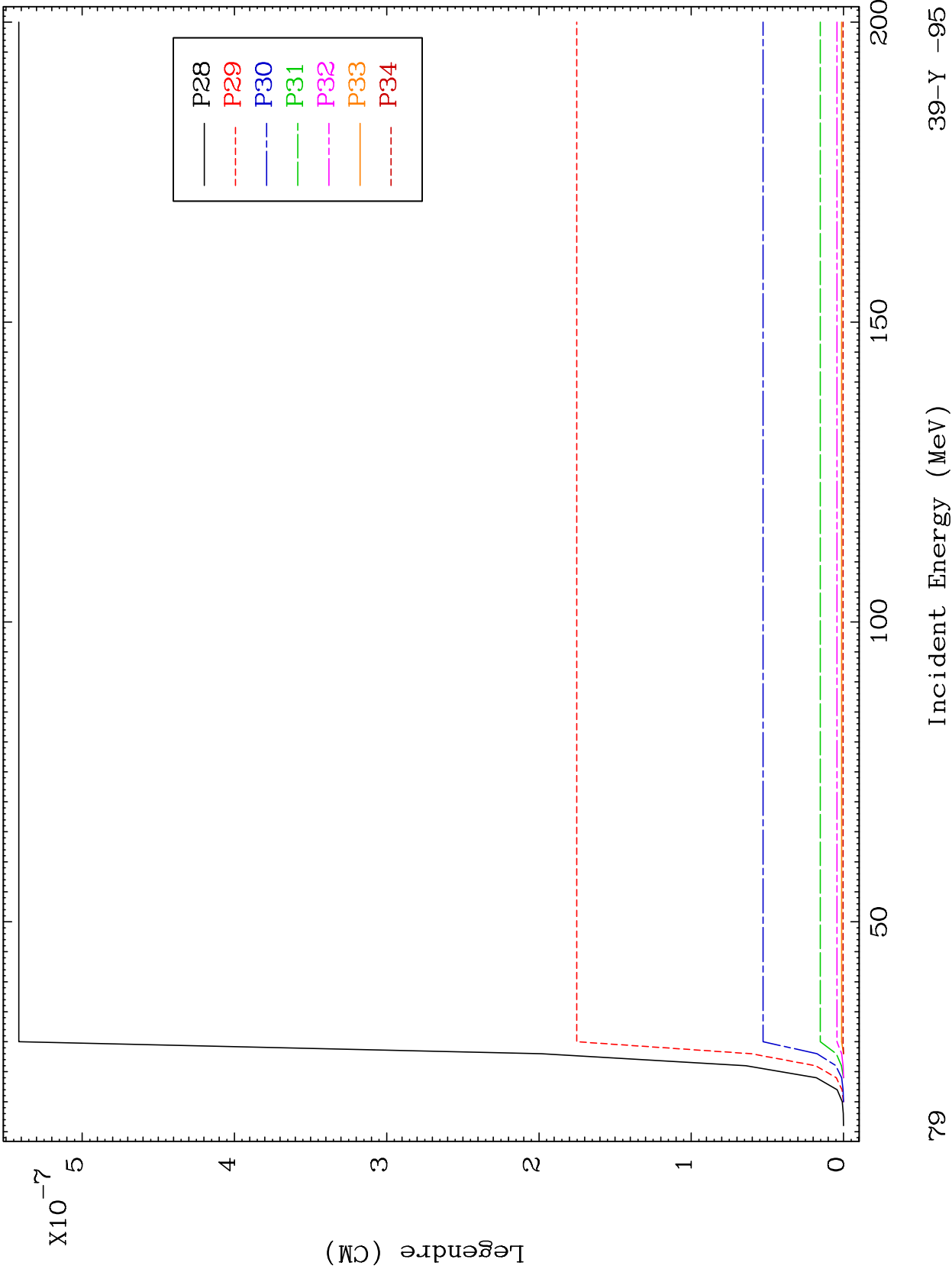
39-Y -95



MAT 3943

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

39-Y -95



79

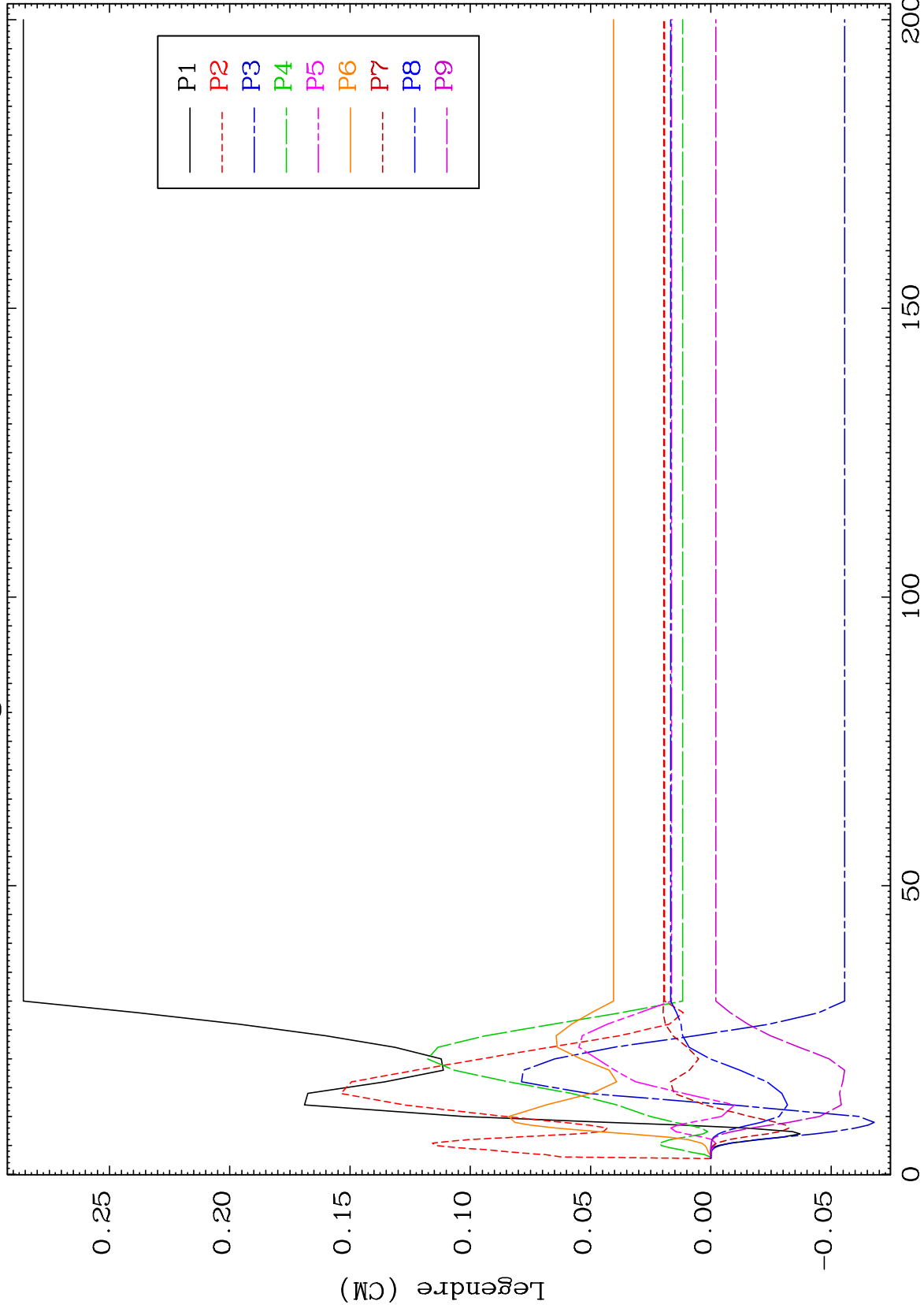
Incident Energy (MeV)

39-Y -95

MAT 3943

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

39-Y -95



39-Y -95

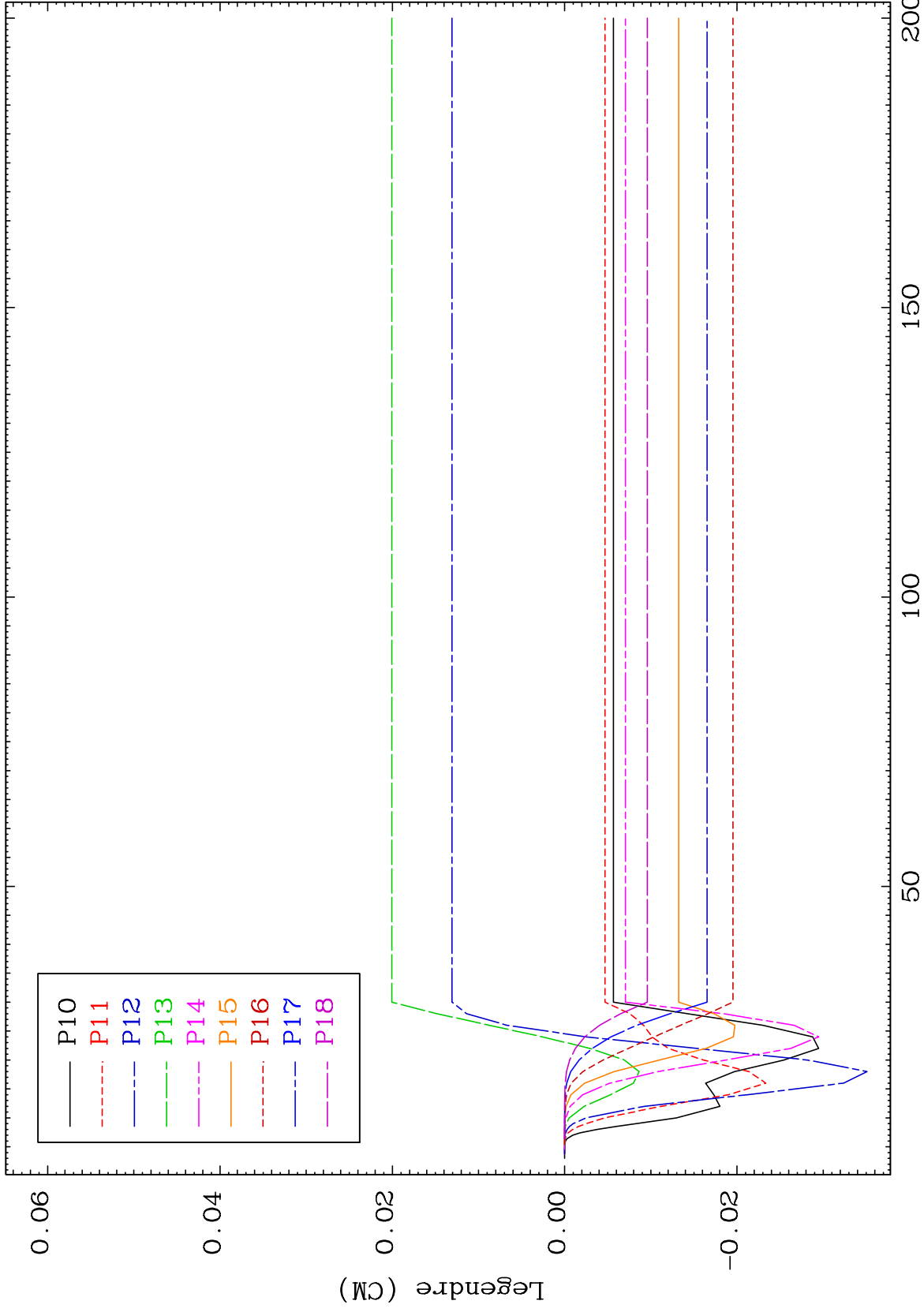
Incident Energy (MeV)

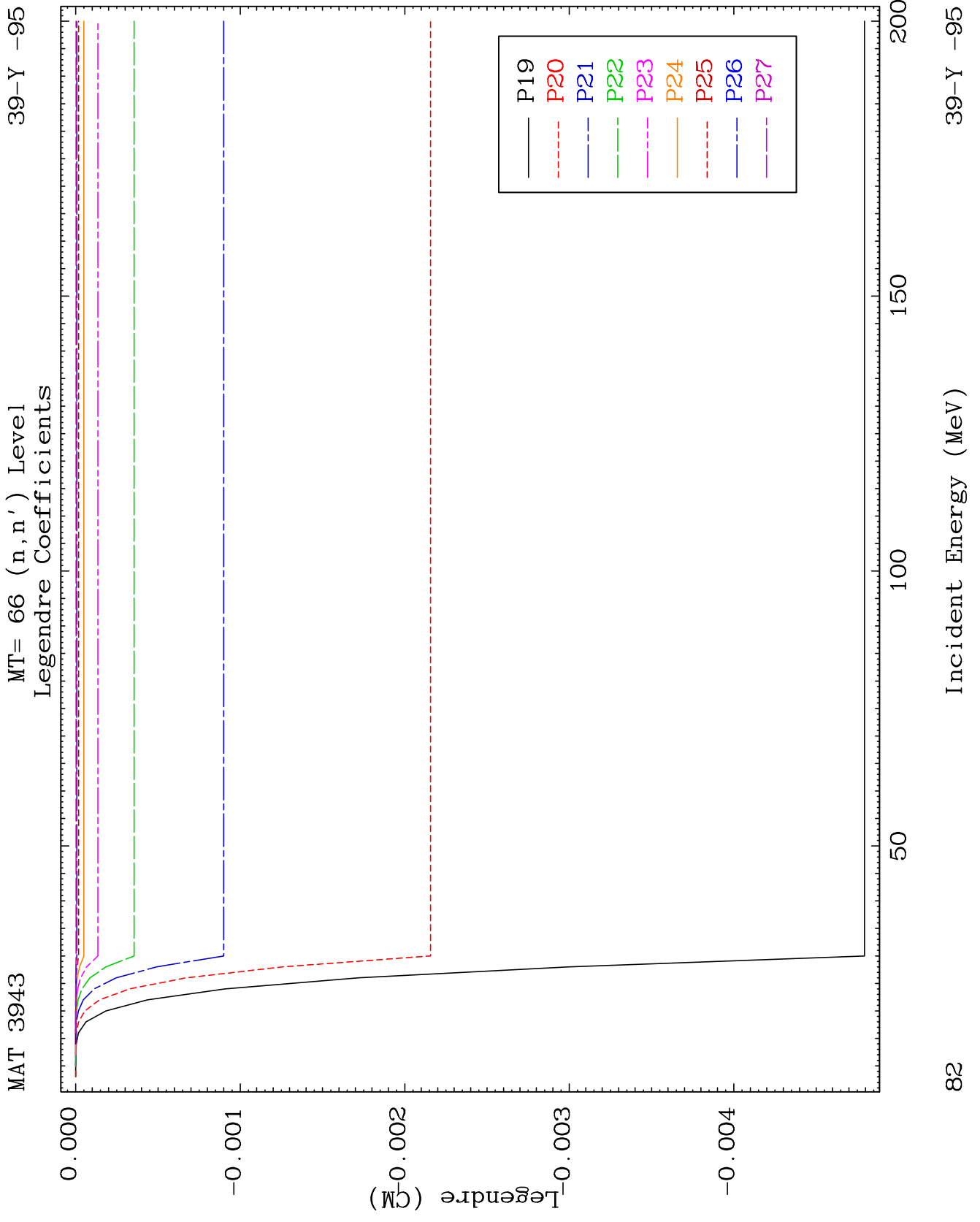
80

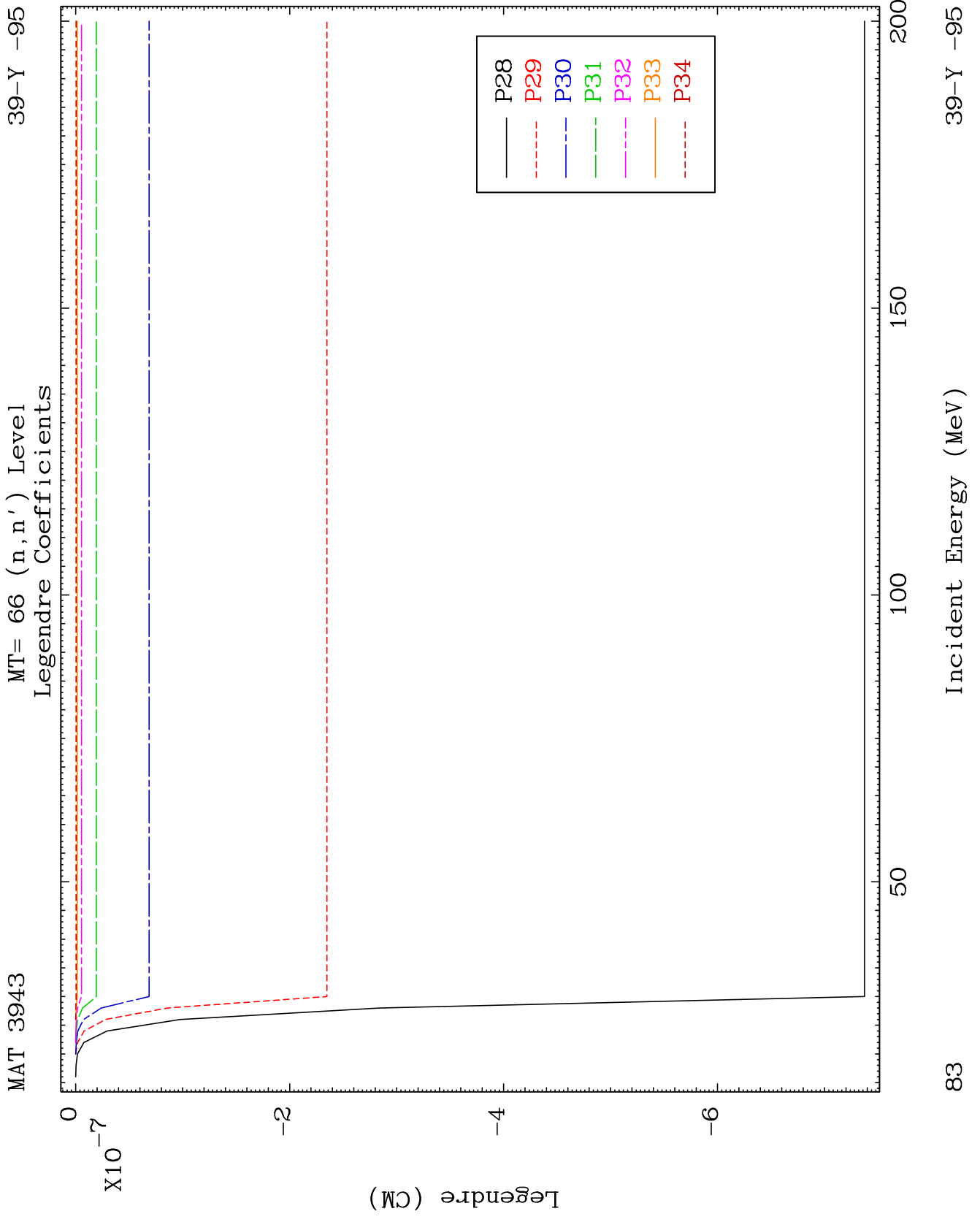
MAT 3943

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

39-Y -95



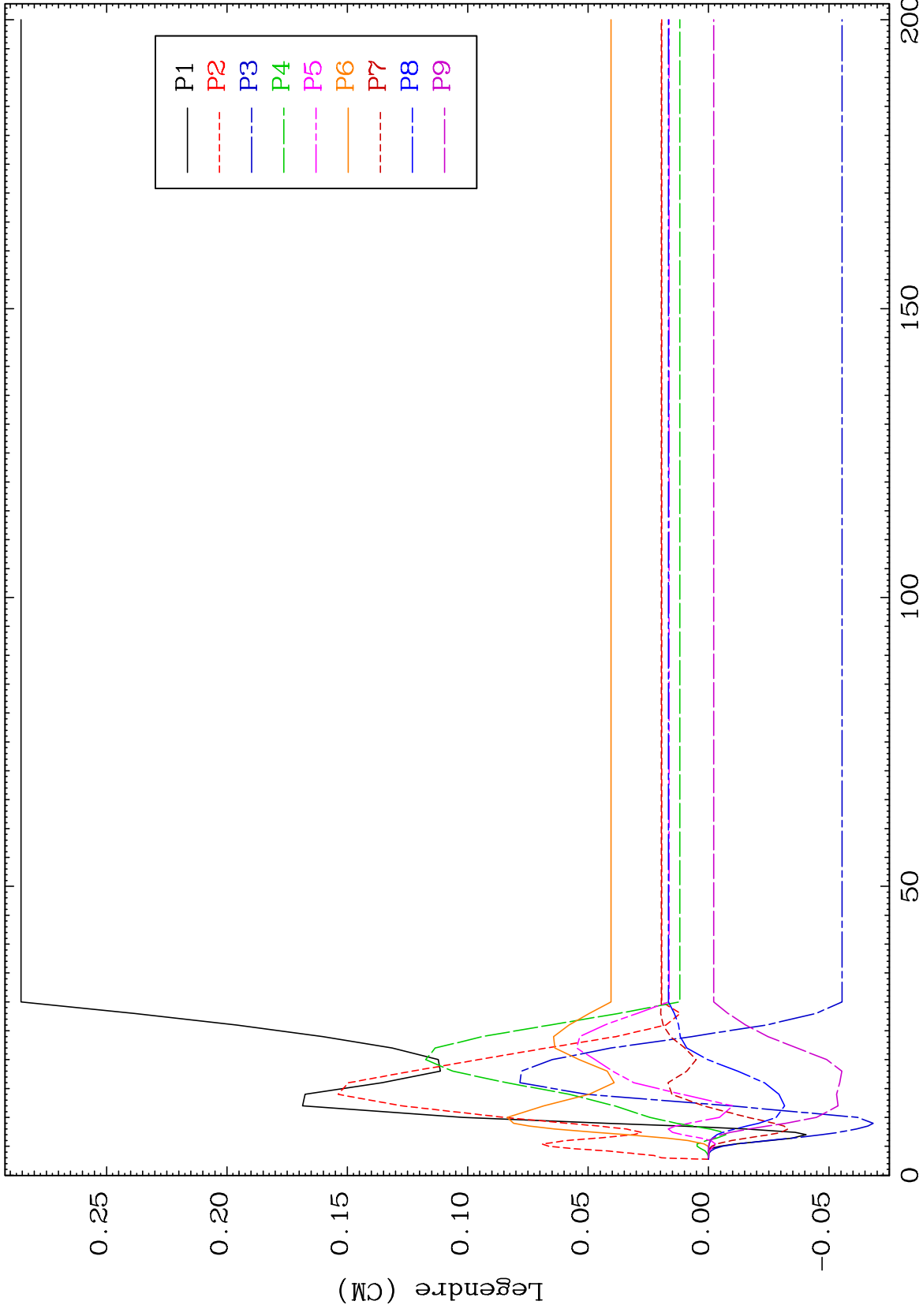




MAT 3943

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

39-Y -95



84

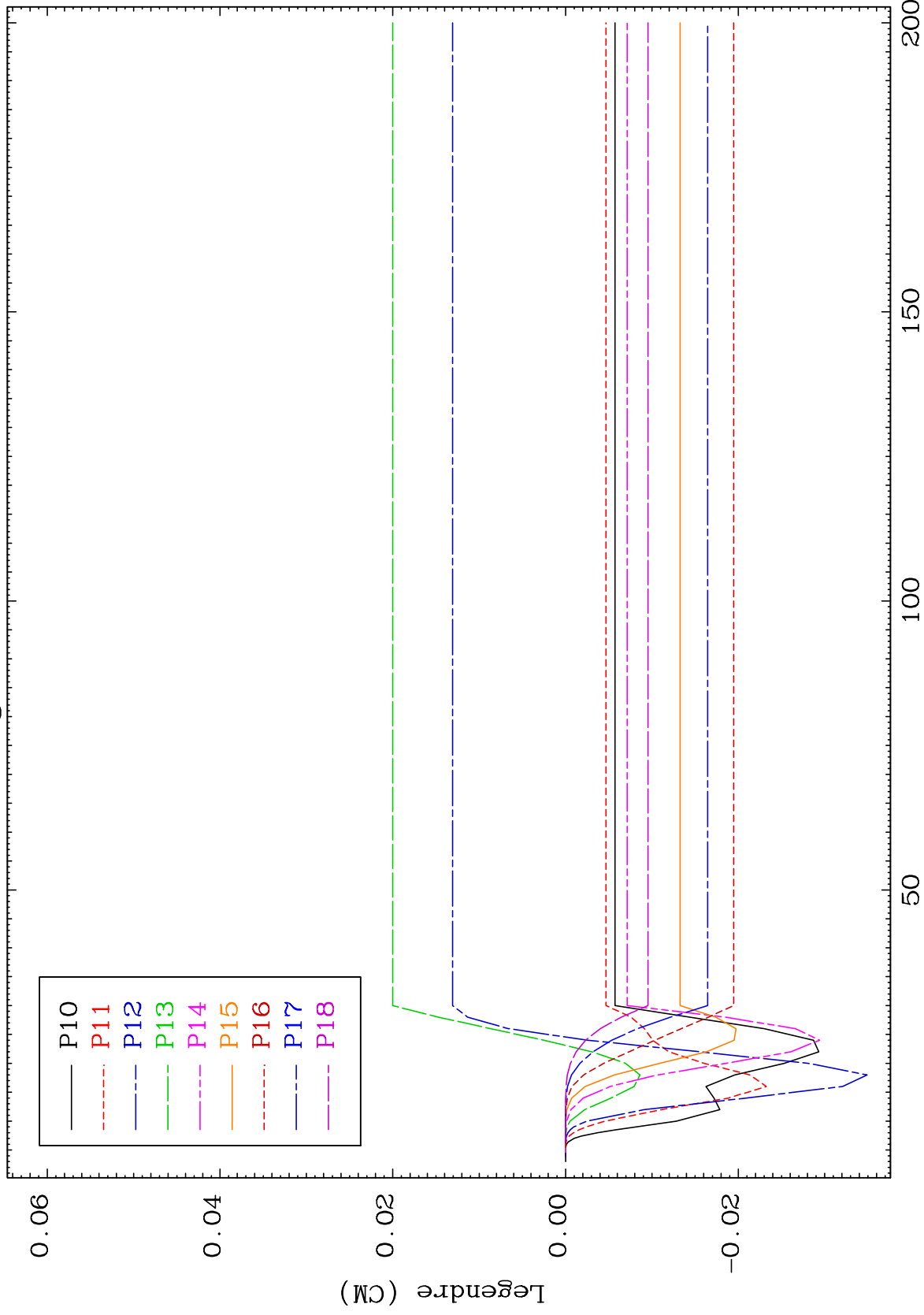
Incident Energy (MeV)

39-Y -95

MAT 3943

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

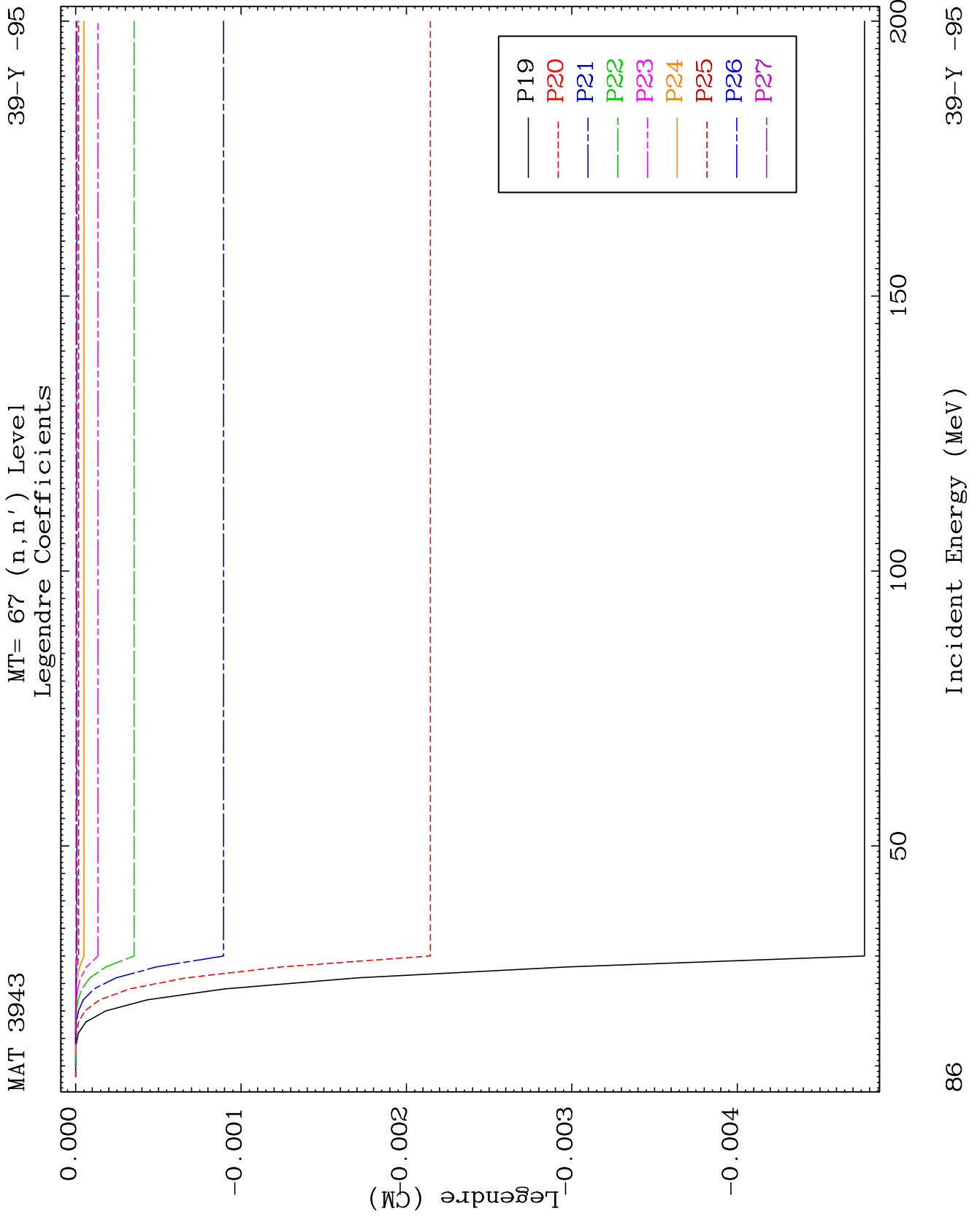
39-Y -95

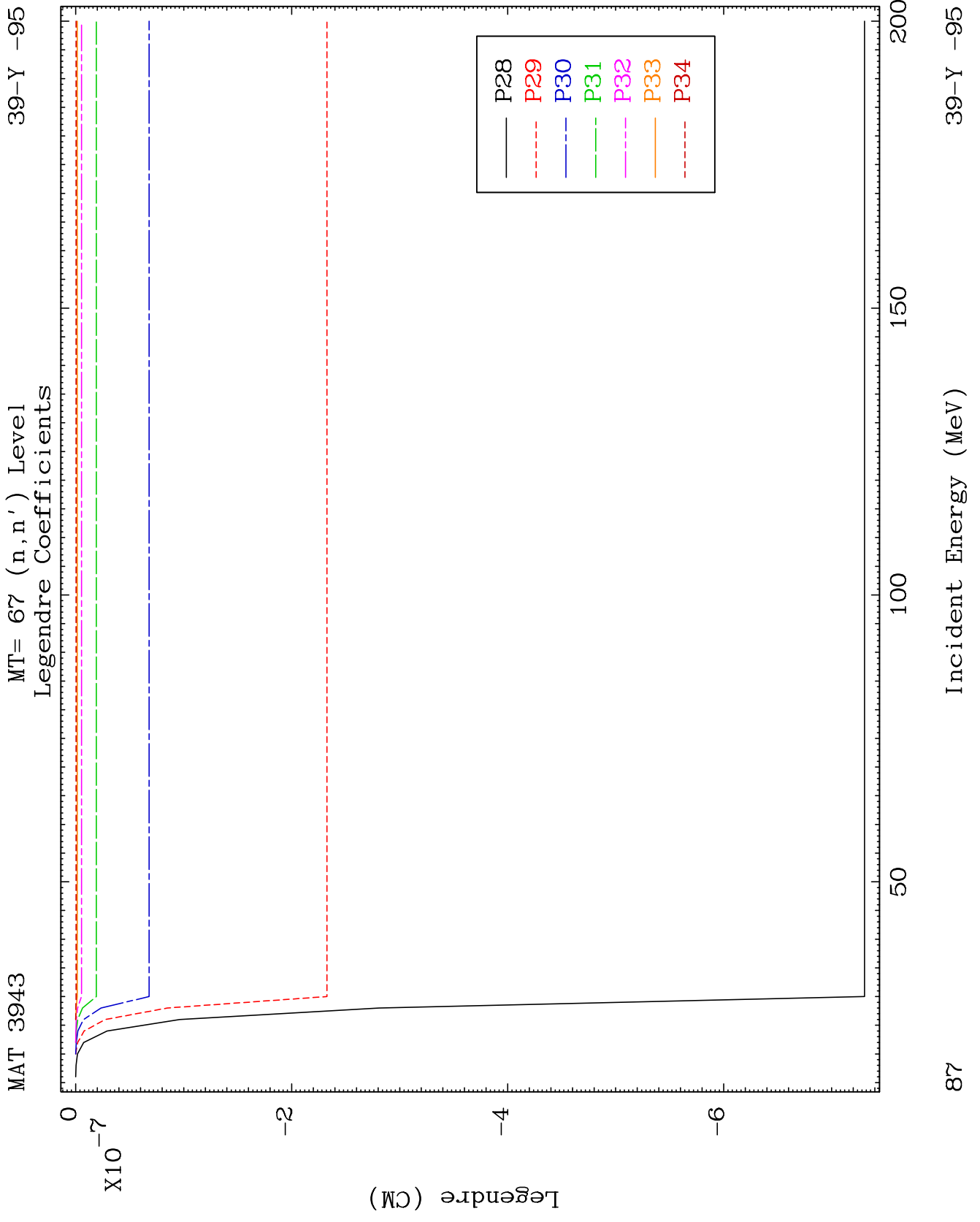


85

Incident Energy (MeV)

39-Y -95

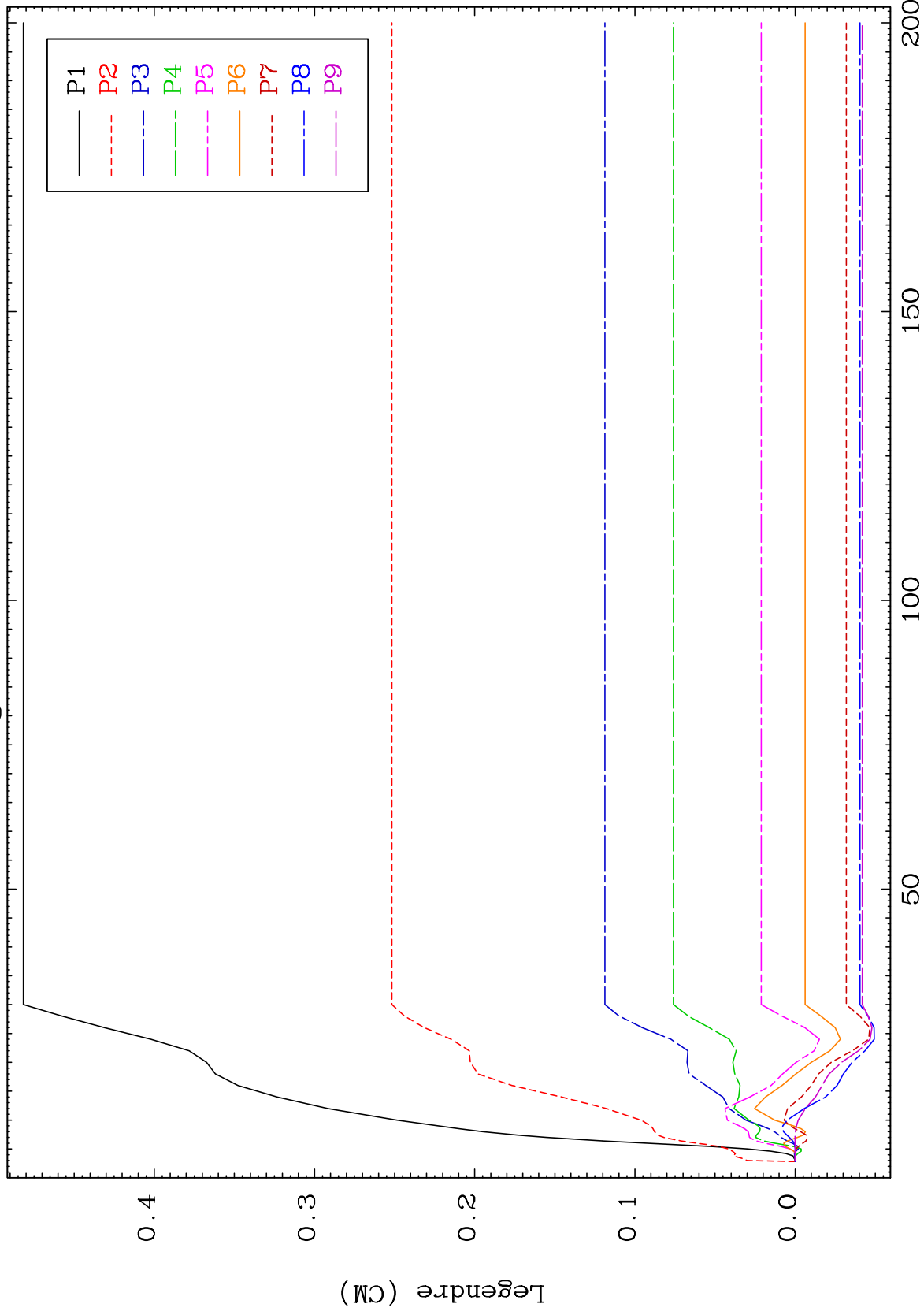




MAT 3943

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

39-Y -95



88

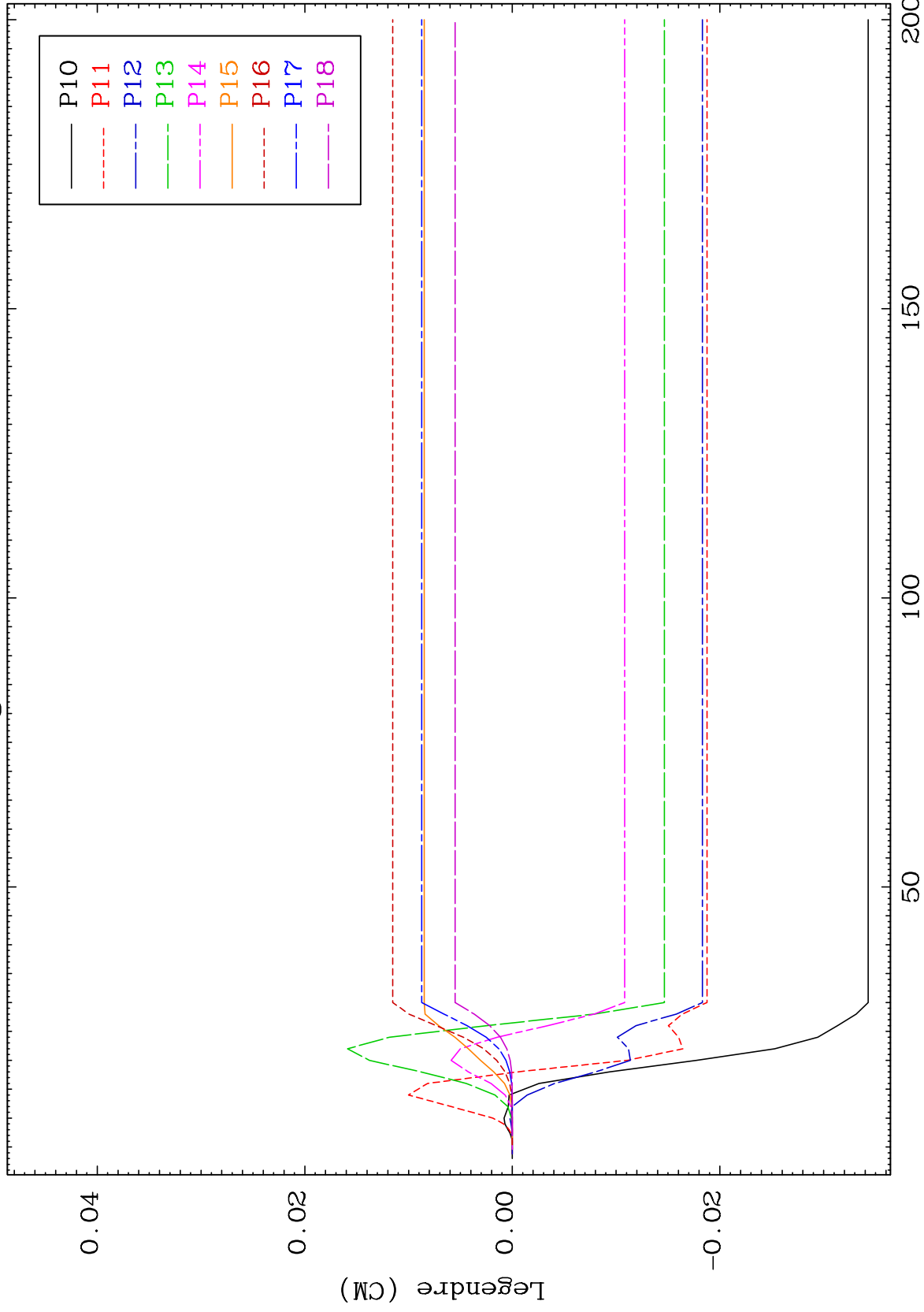
Incident Energy (MeV)

39-Y -95

MAT 3943

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

39-Y -95



89

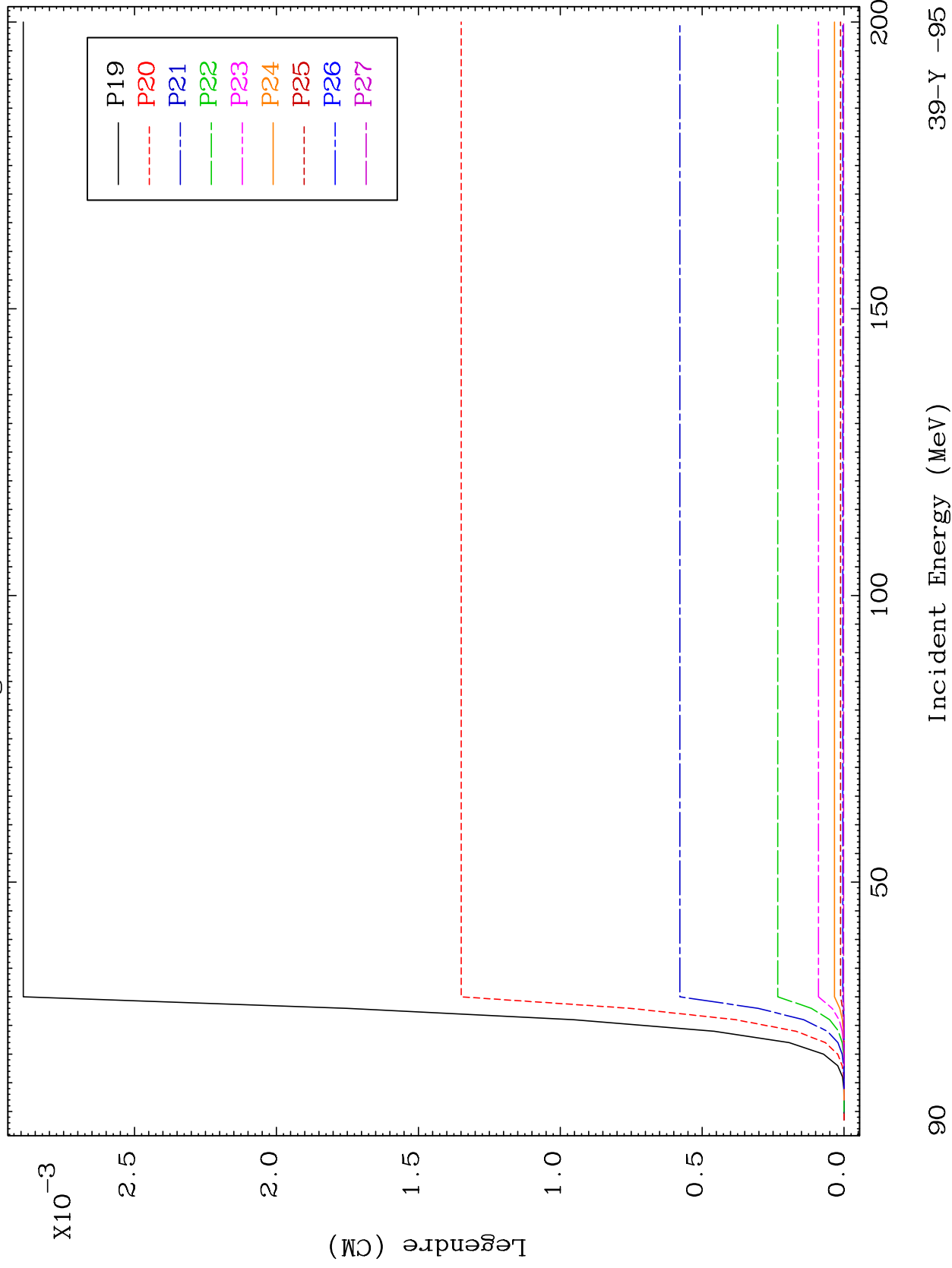
Incident Energy (MeV)

39-Y -95

MAT 3943

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

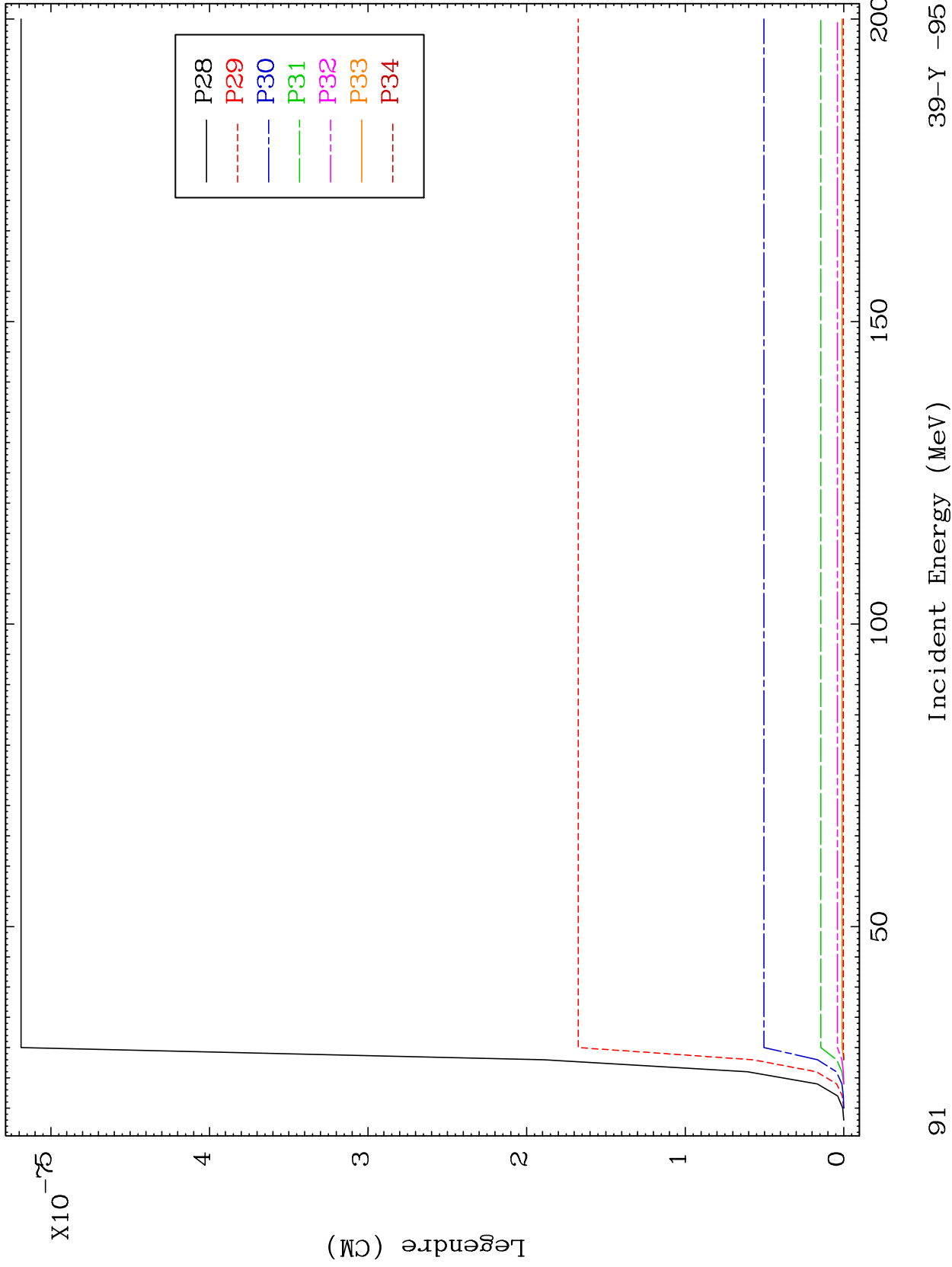
39-Y -95



MAT 3943

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

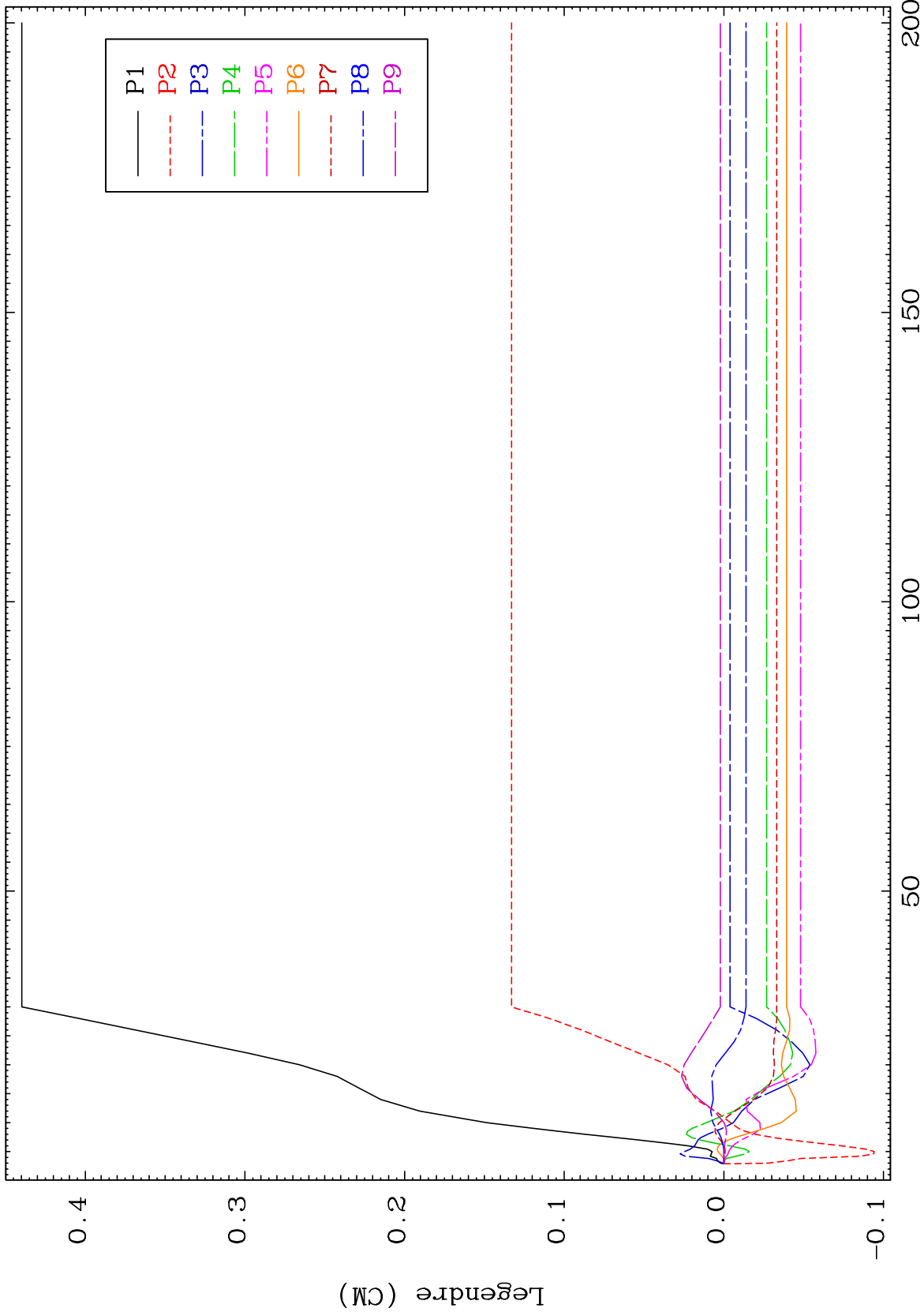
39-Y -95



MAT 3943

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

39-Y -95



92

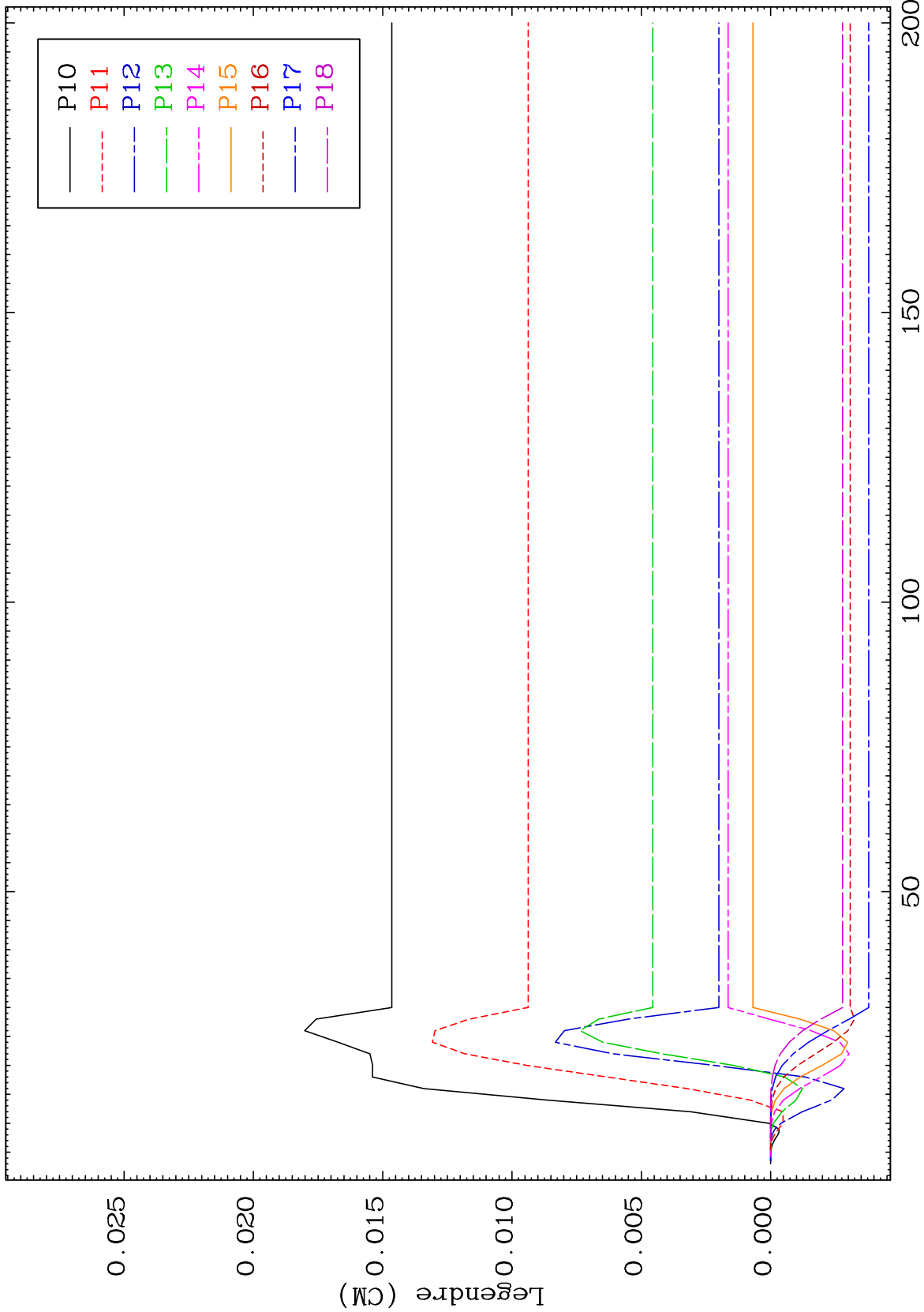
Incident Energy (MeV)

39-Y -95

MAT 3943

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

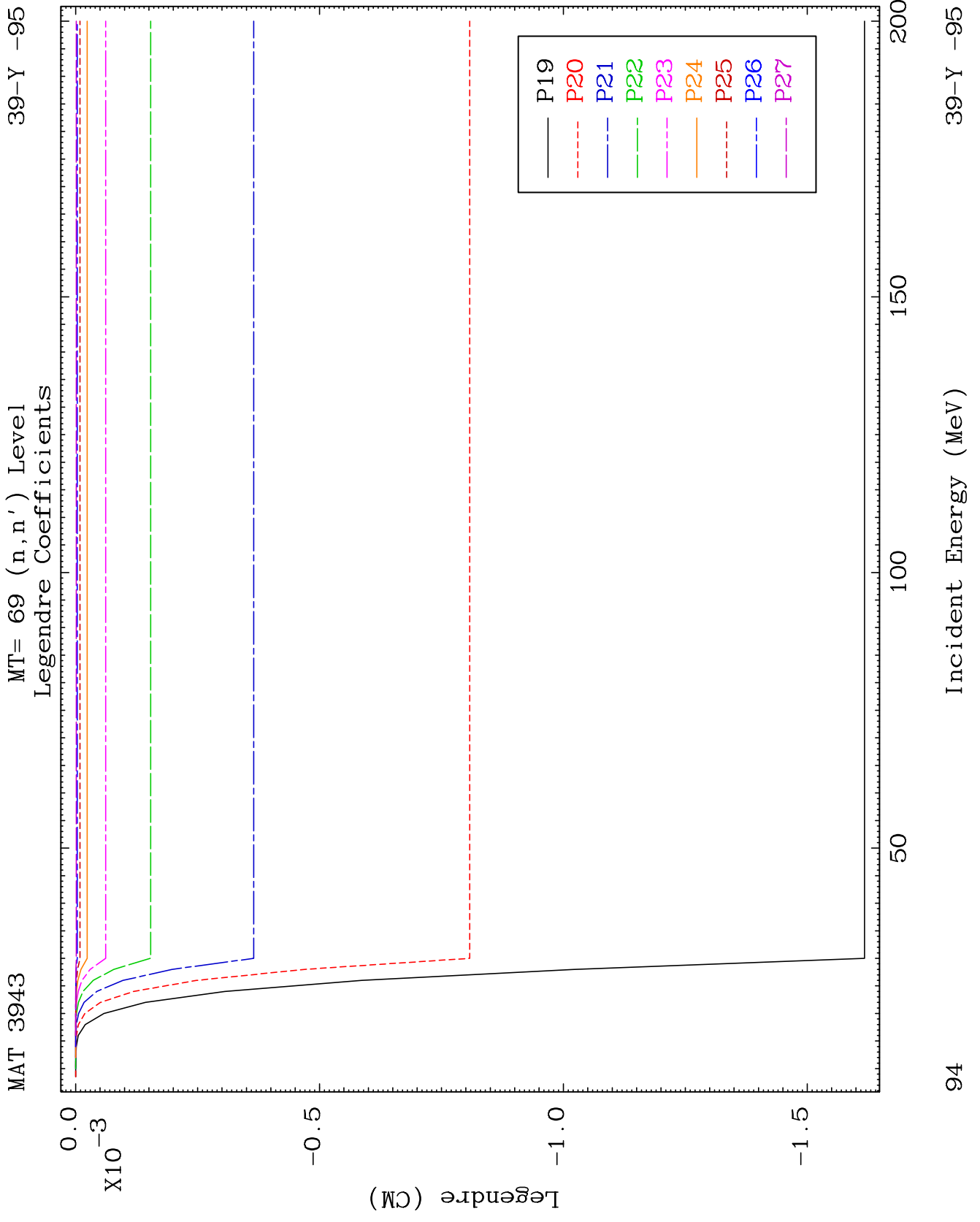
39-Y -95

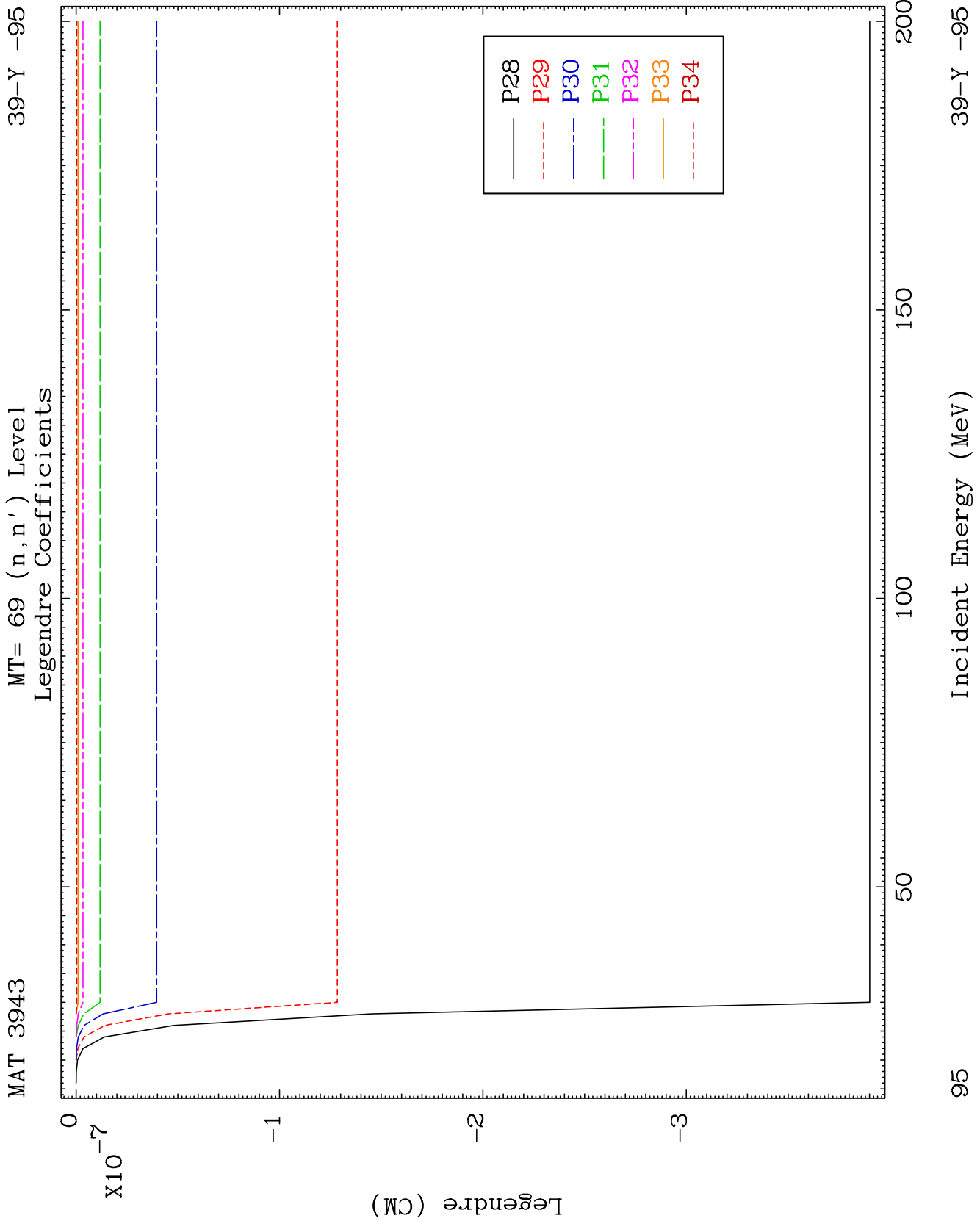


93

Incident Energy (MeV)

39-Y -95

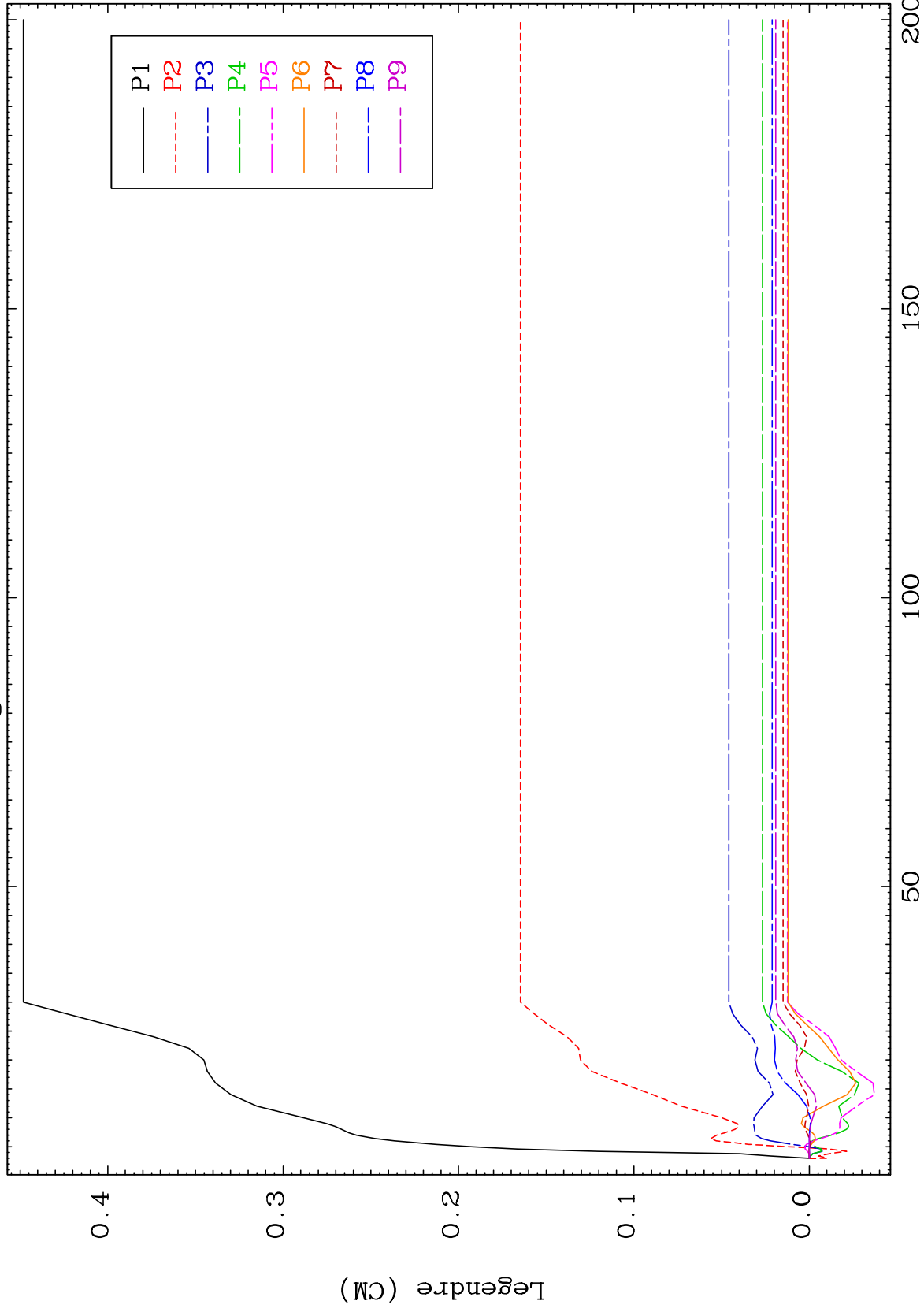




MAT 3943

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

39-Y -95



96

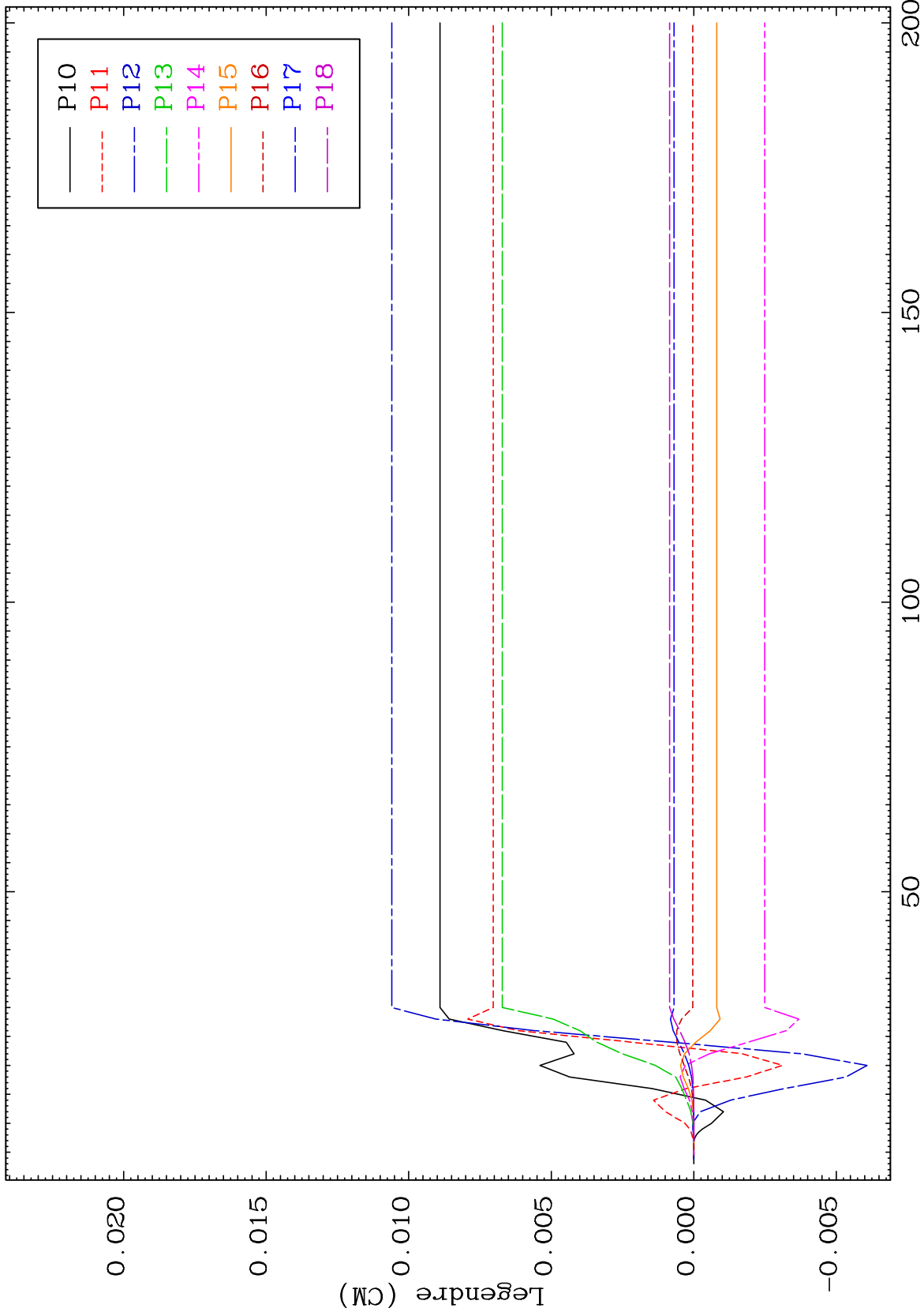
Incident Energy (MeV)

39-Y -95

MAT 3943

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

39-Y -95



97

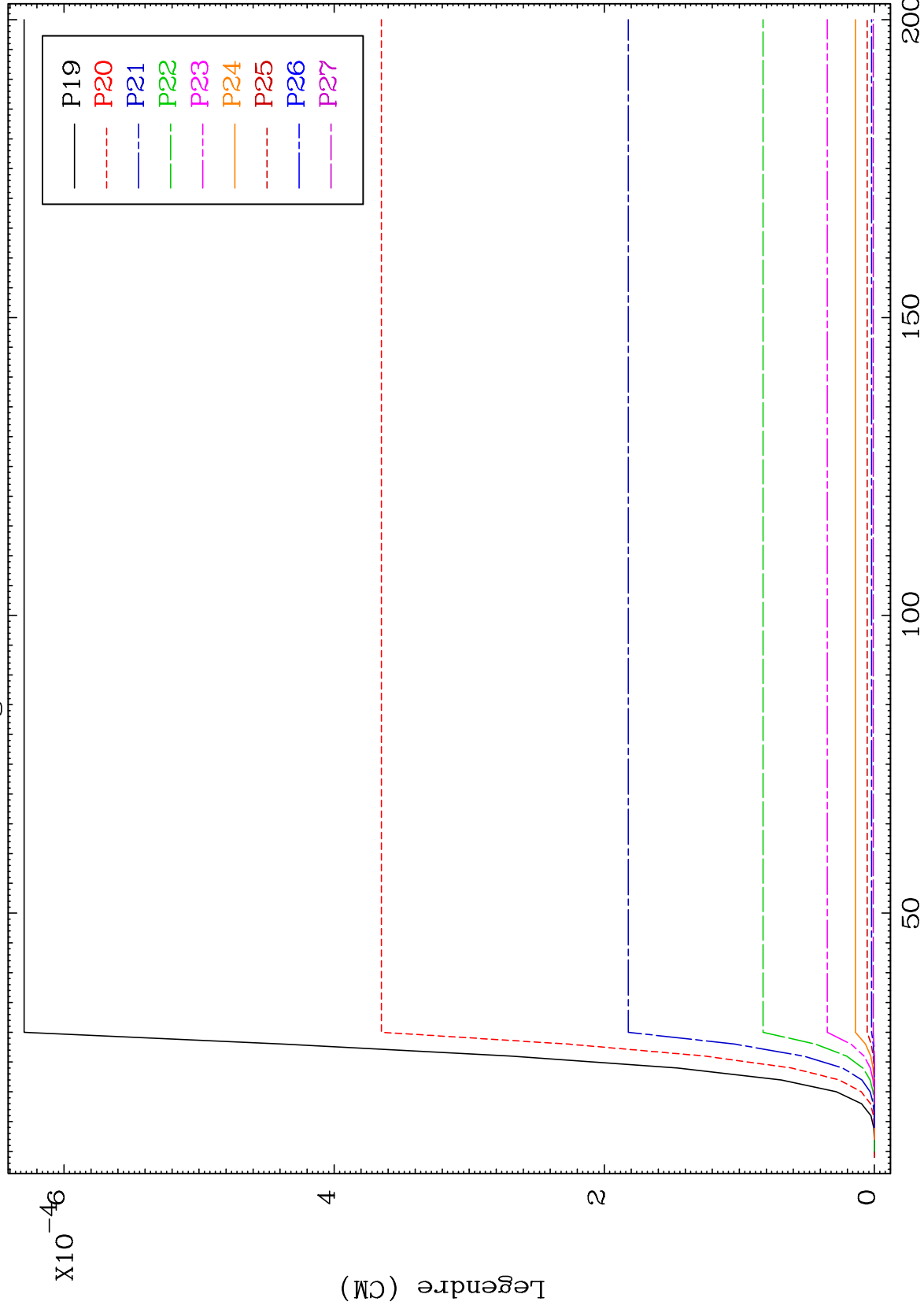
Incident Energy (MeV)

39-Y -95

MAT 3943

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

39-Y -95



98

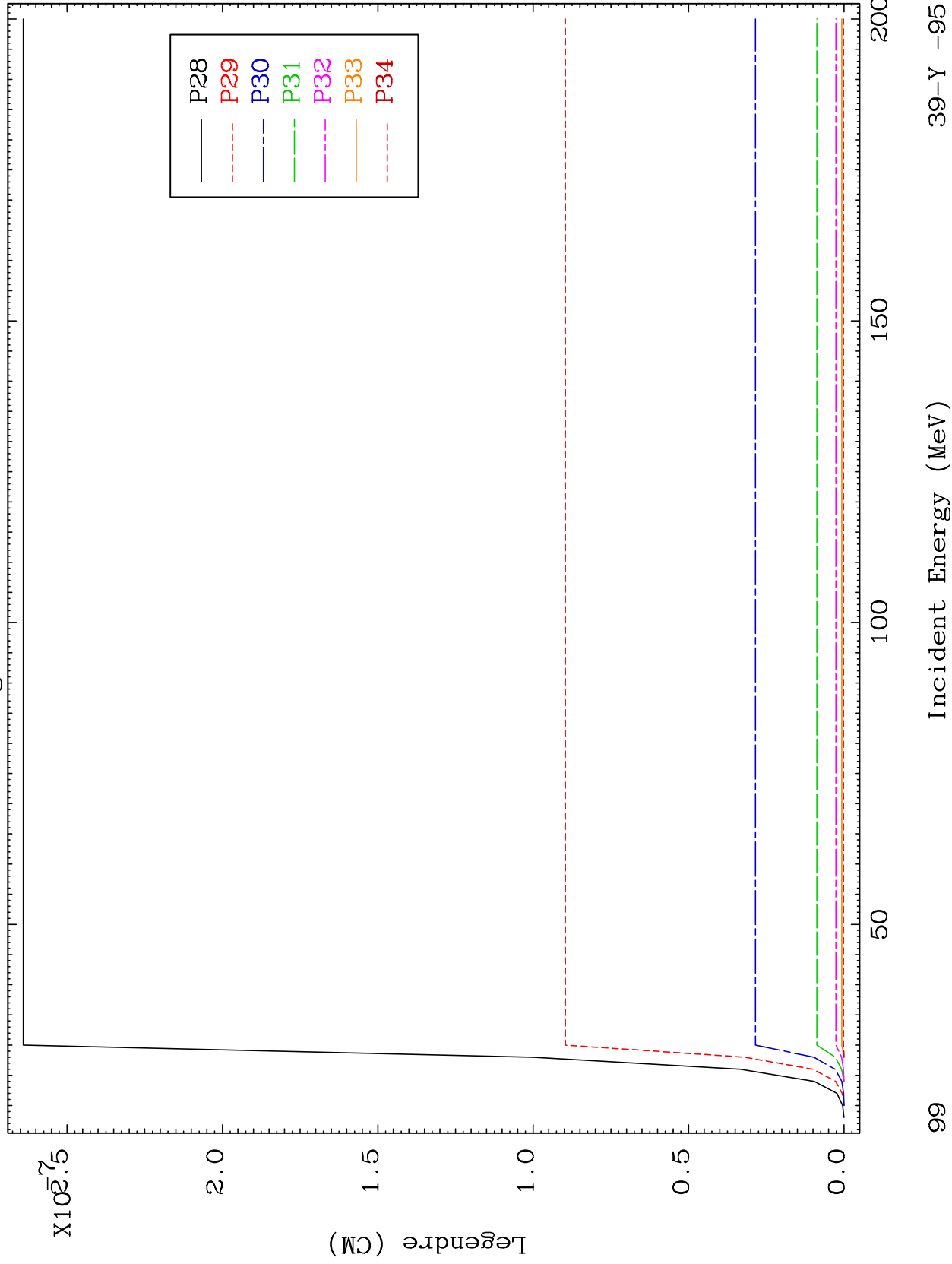
Incident Energy (MeV)

39-Y -95

MAT 3943

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

39-Y -95



99

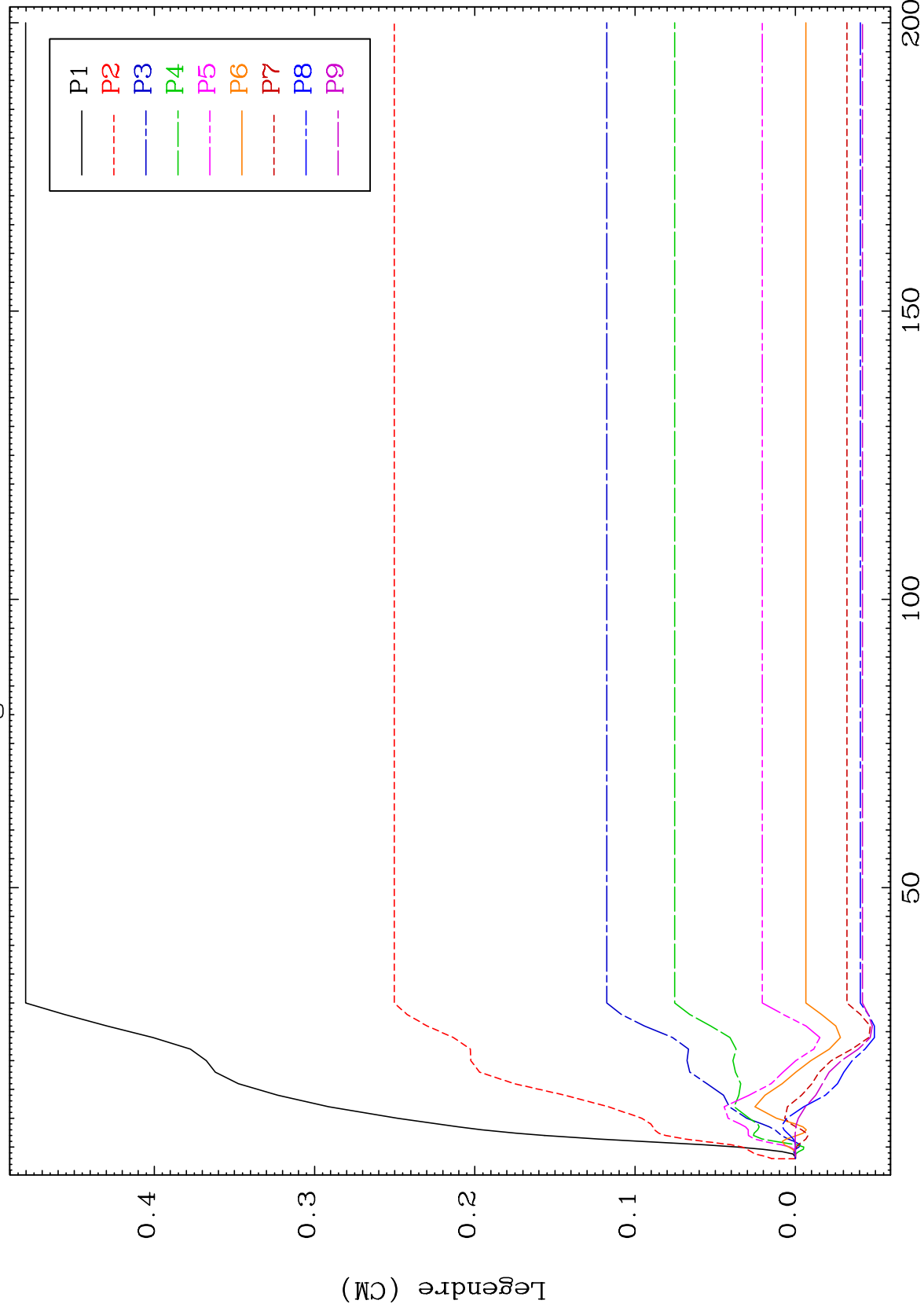
Incident Energy (MeV)

39-Y -95

MAT 3943

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

39-Y -95



100

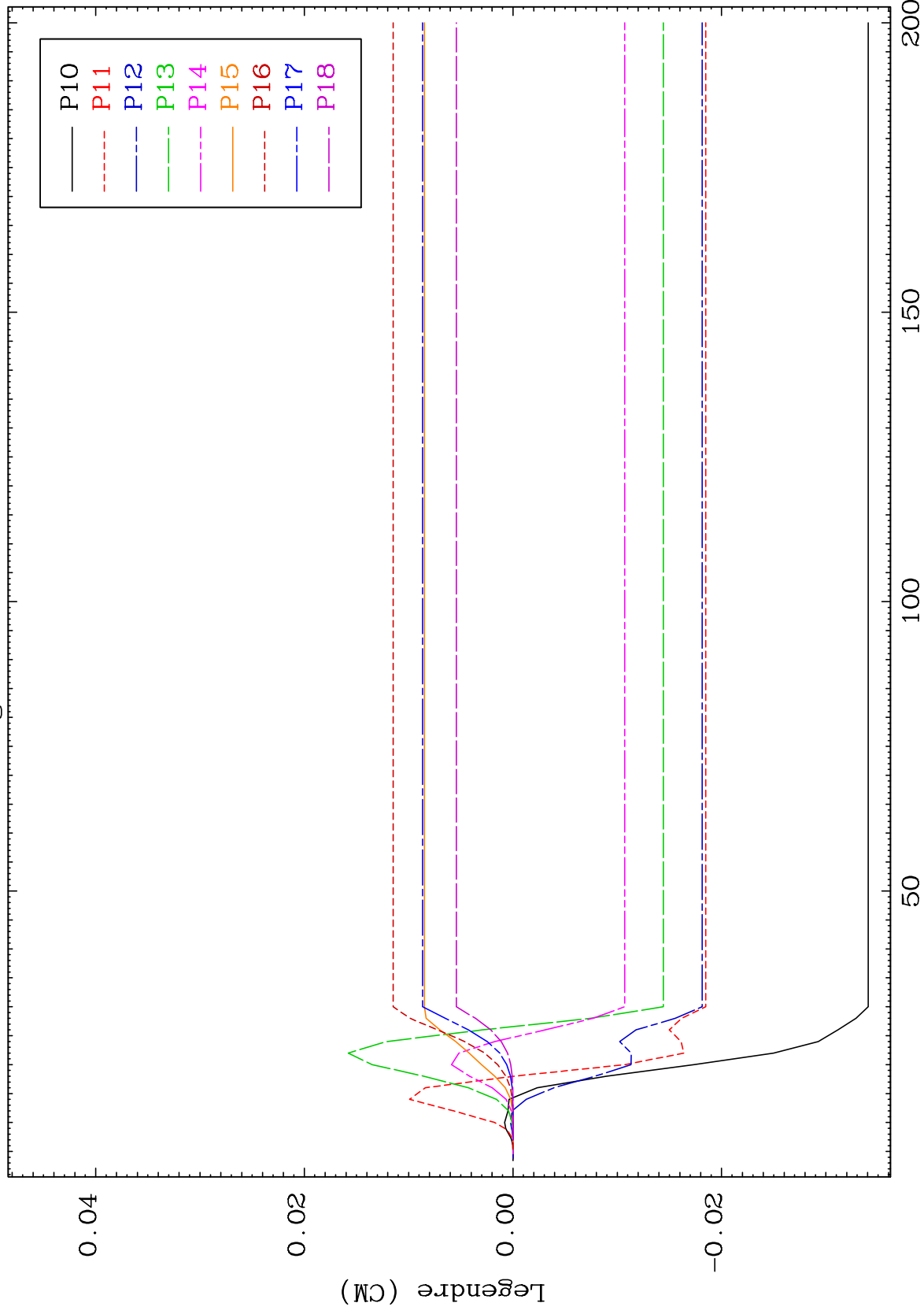
Incident Energy (MeV)

39-Y -95

MAT 3943

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

39-Y -95



101

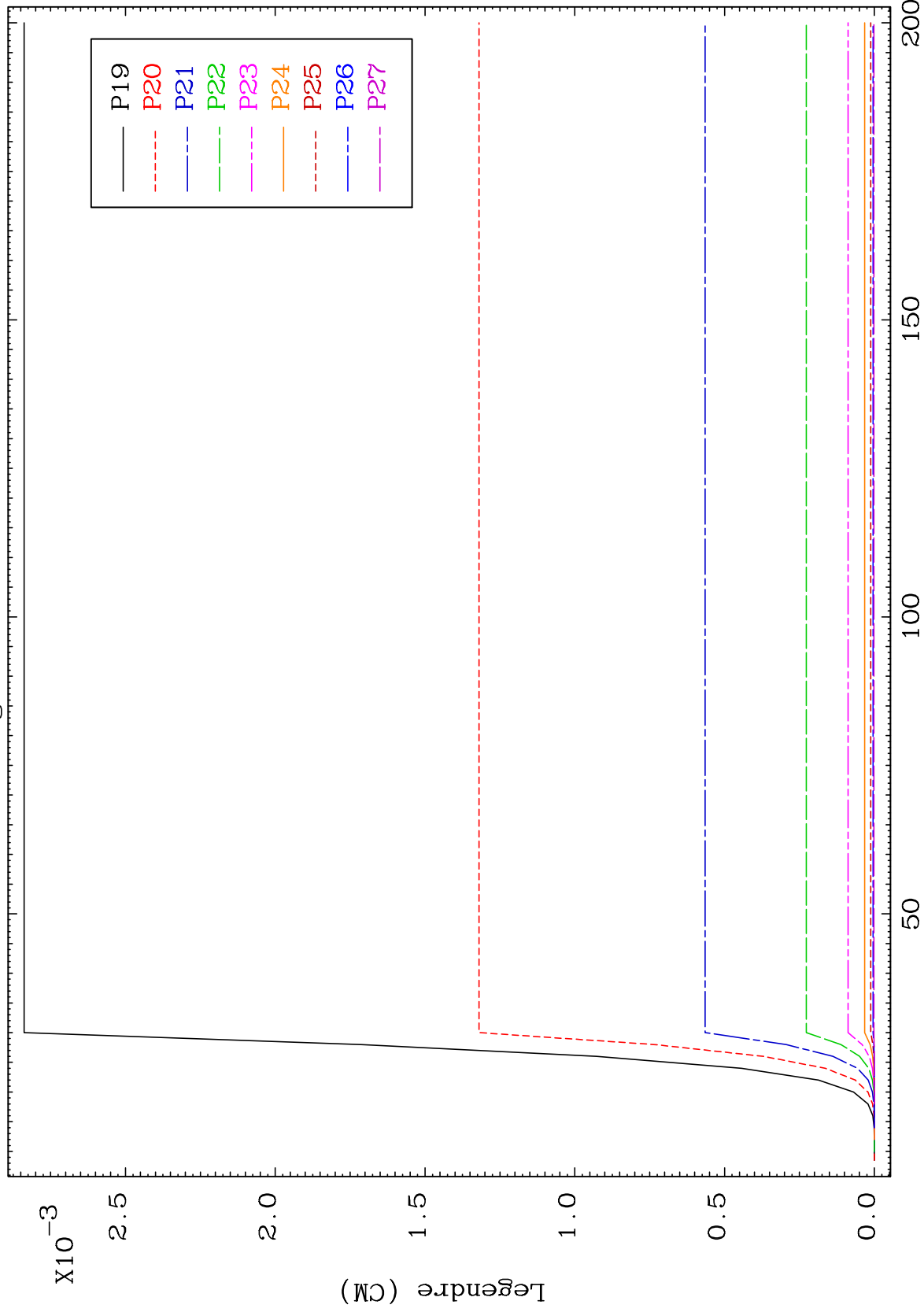
Incident Energy (MeV)

39-Y -95

MAT 3943

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

39-Y -95



102

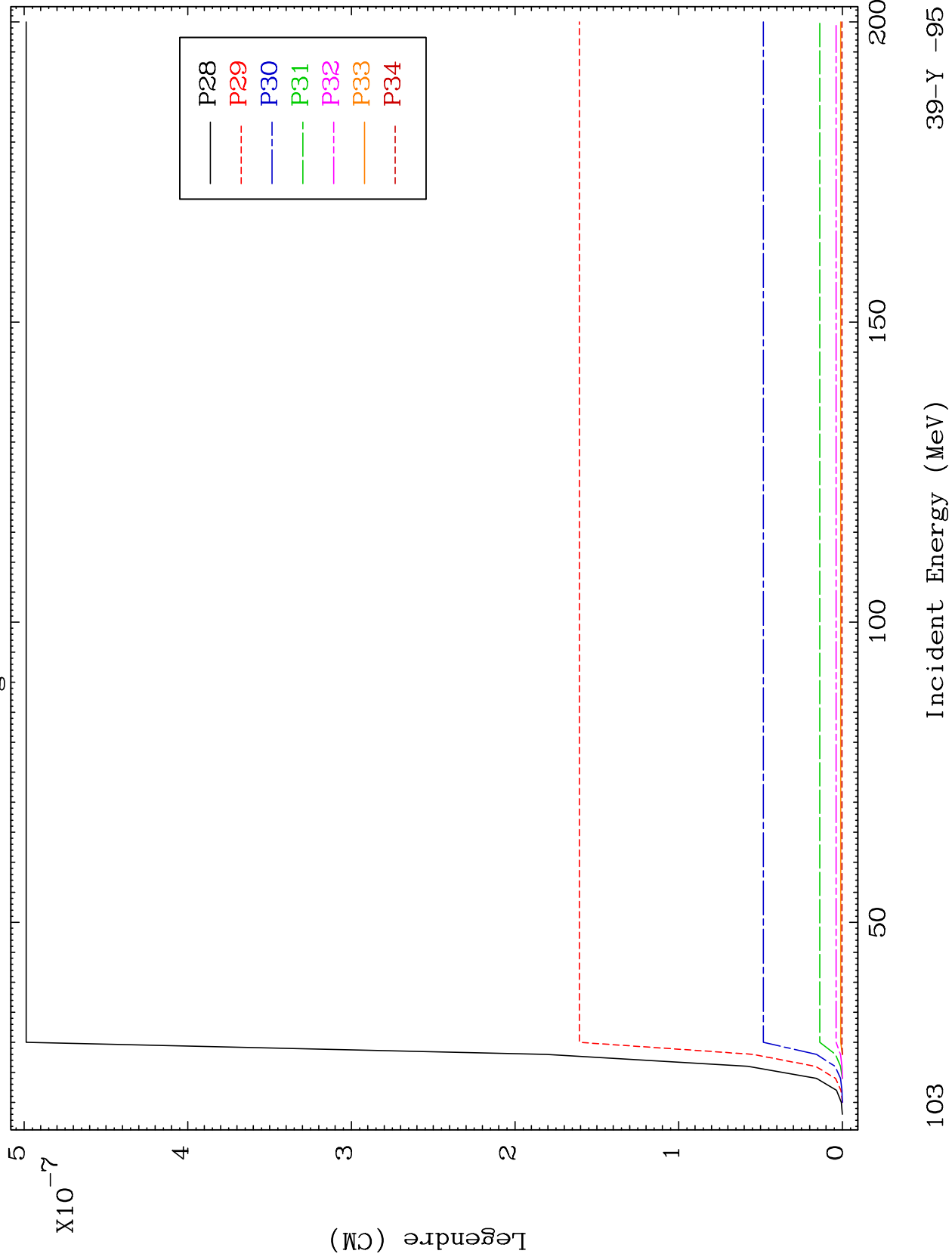
Incident Energy (MeV)

39-Y -95

MAT 3943

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

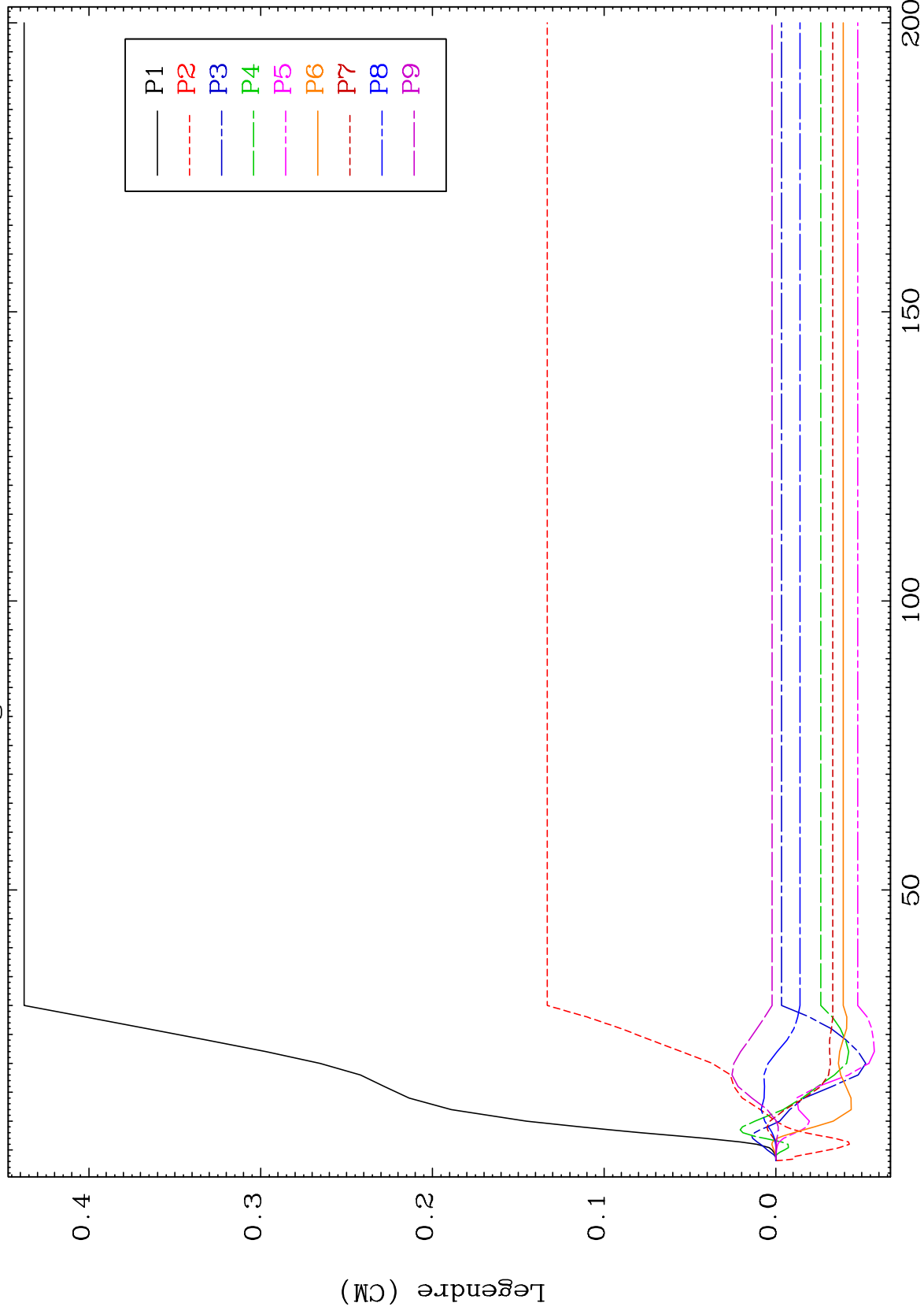
39-Y -95



MAT 3943

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

39-Y -95



104

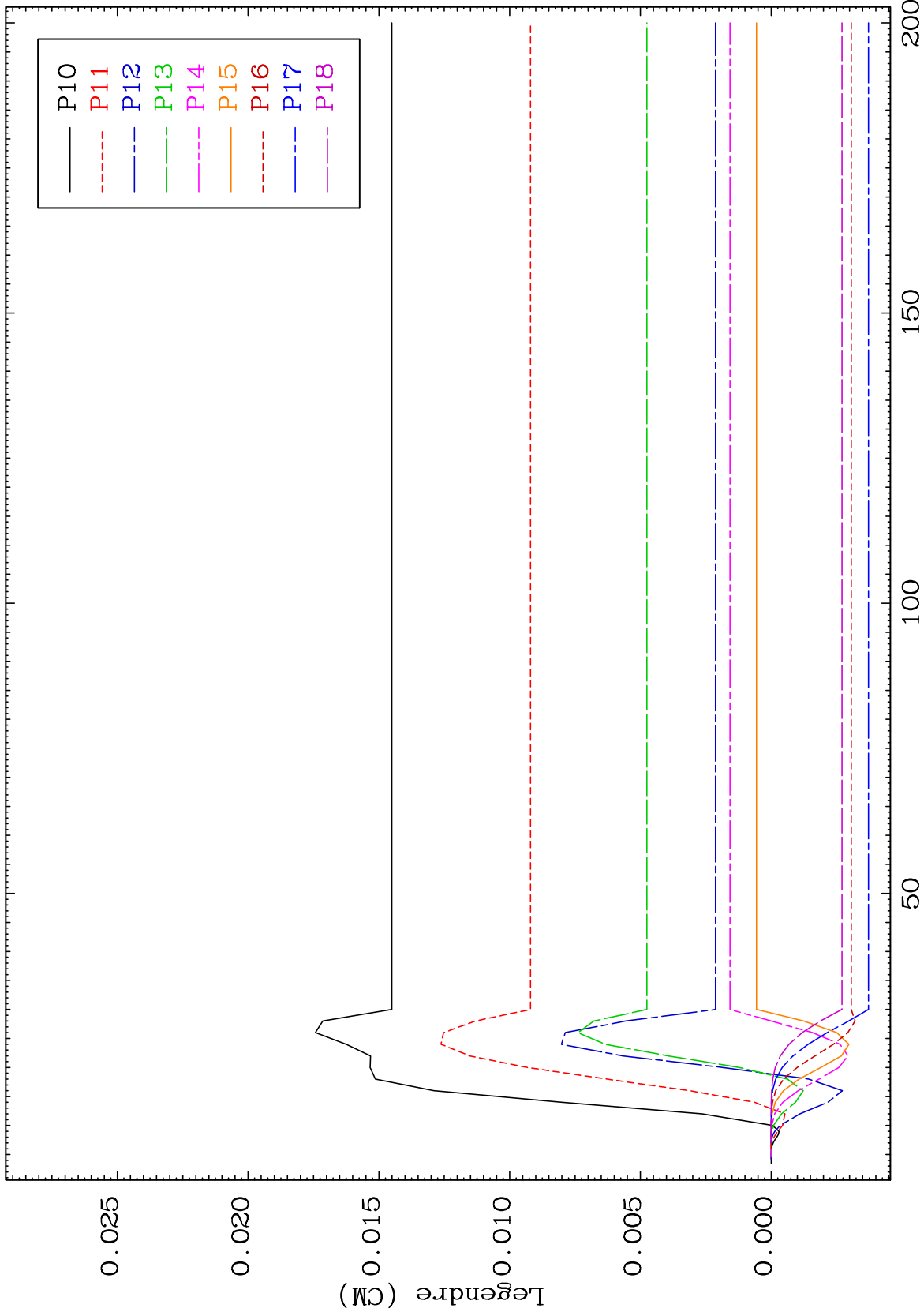
Incident Energy (MeV)

39-Y -95

MAT 3943

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

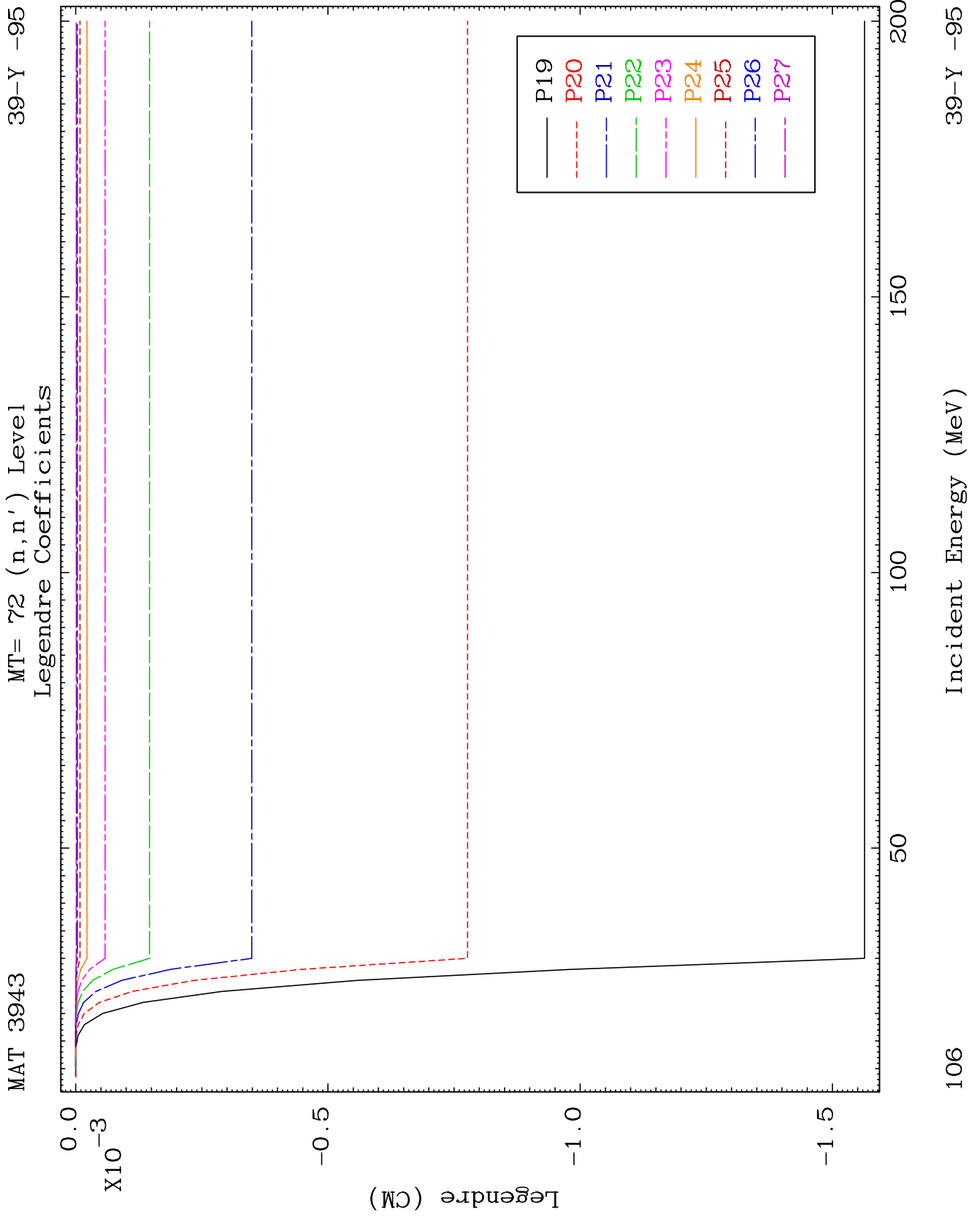
39-Y -95

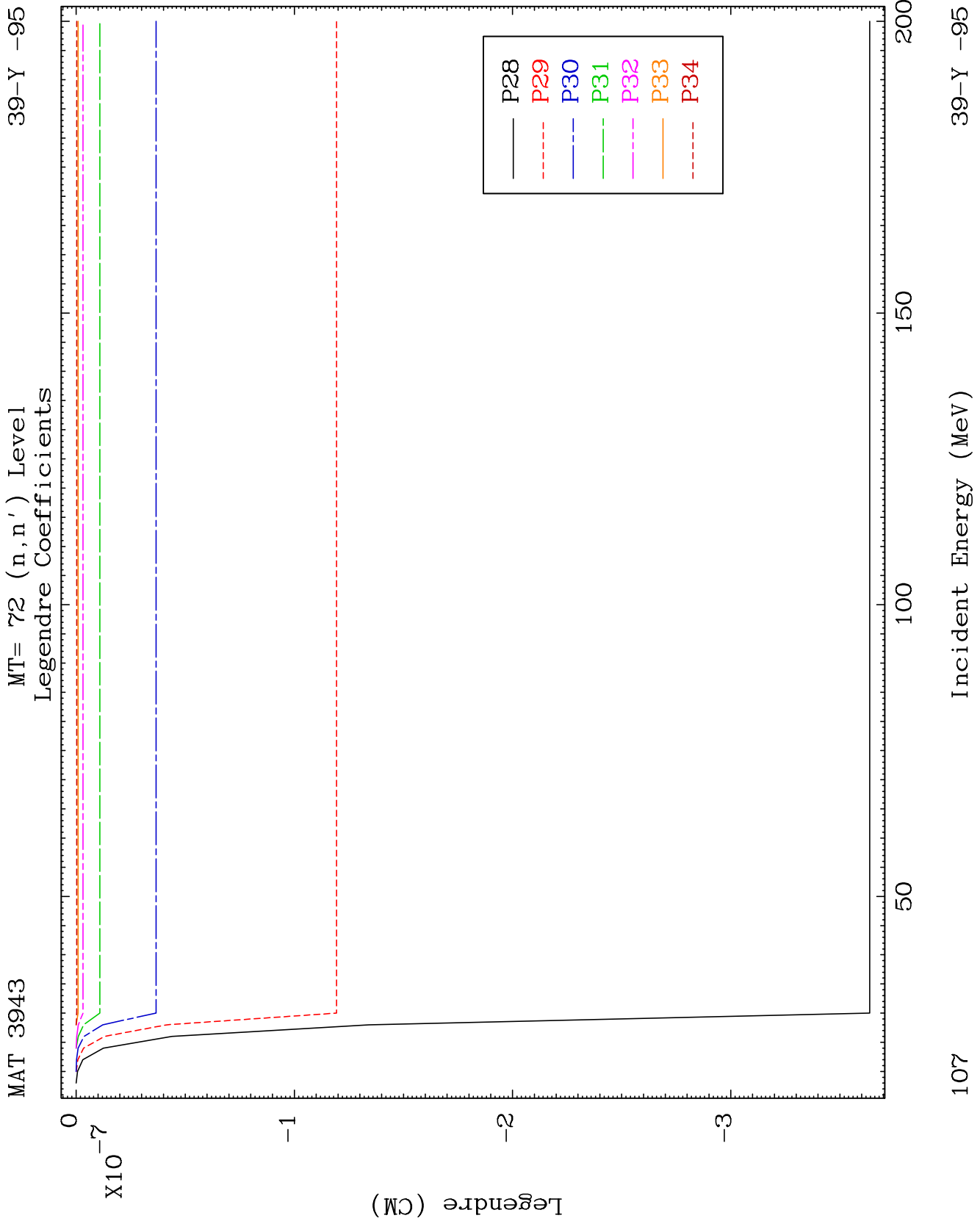


105

Incident Energy (MeV)

39-Y -95

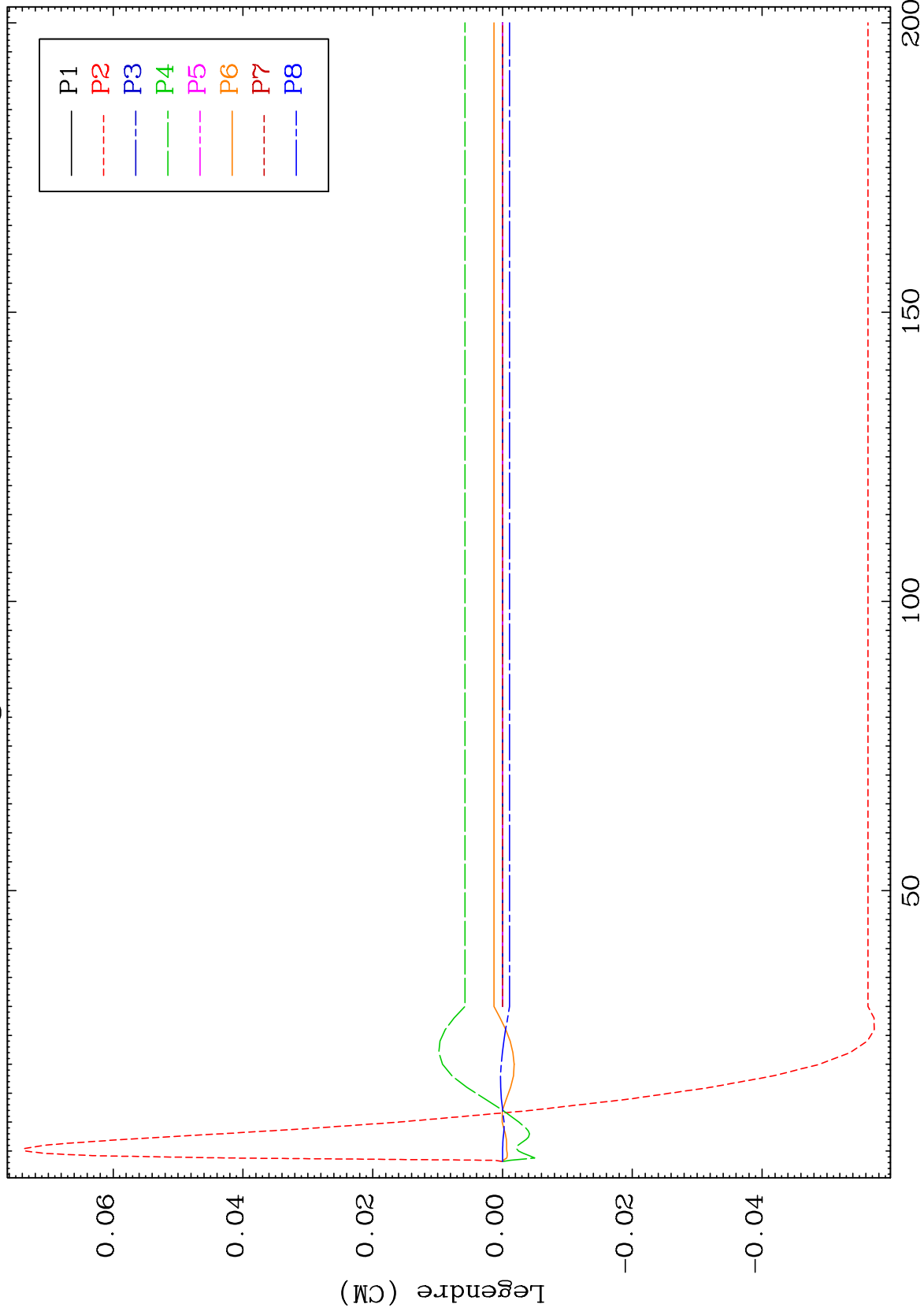




MAT 3943

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

39-Y -95



108

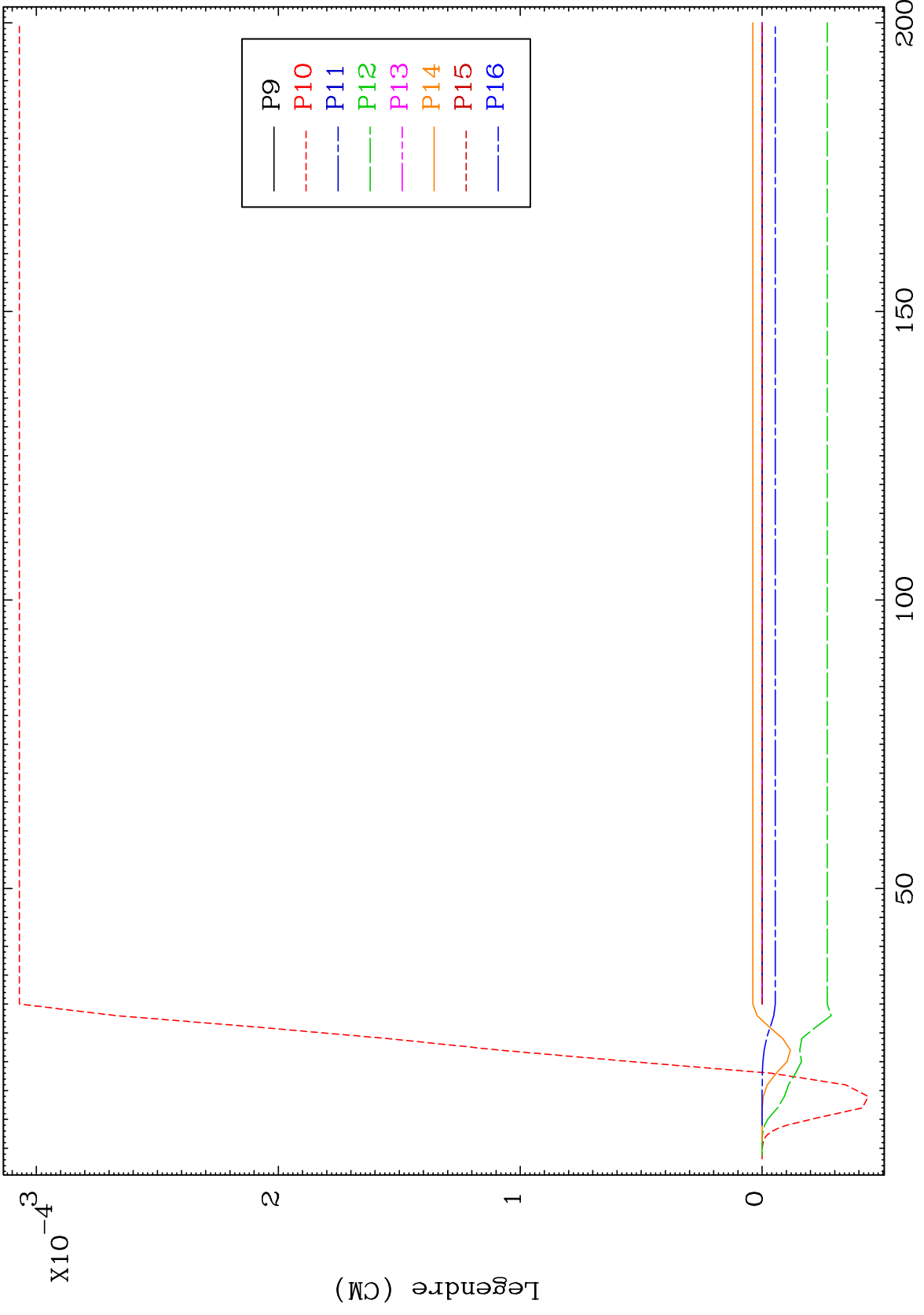
Incident Energy (MeV)

39-Y -95

MAT 3943

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

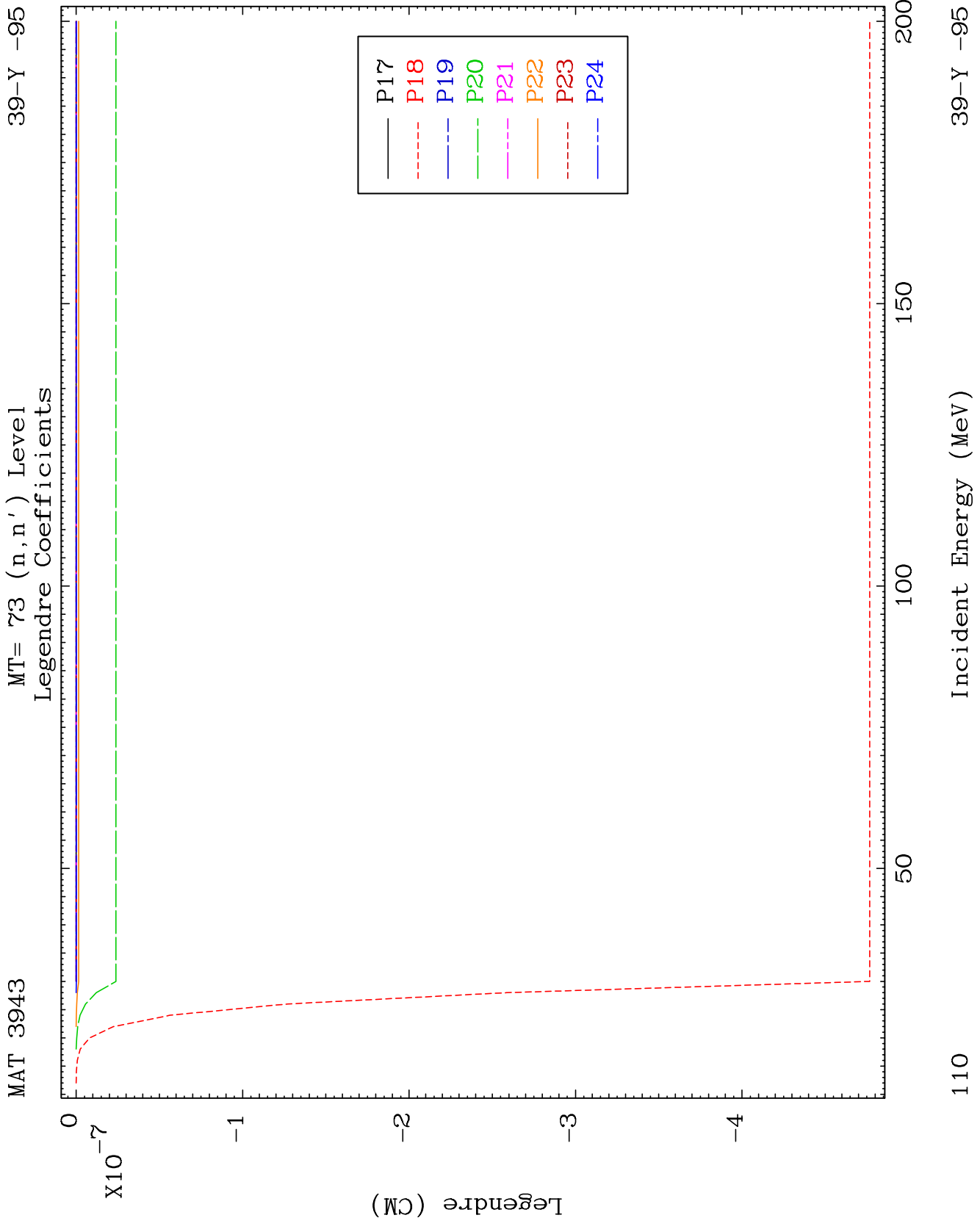
39-Y -95



109

Incident Energy (MeV)

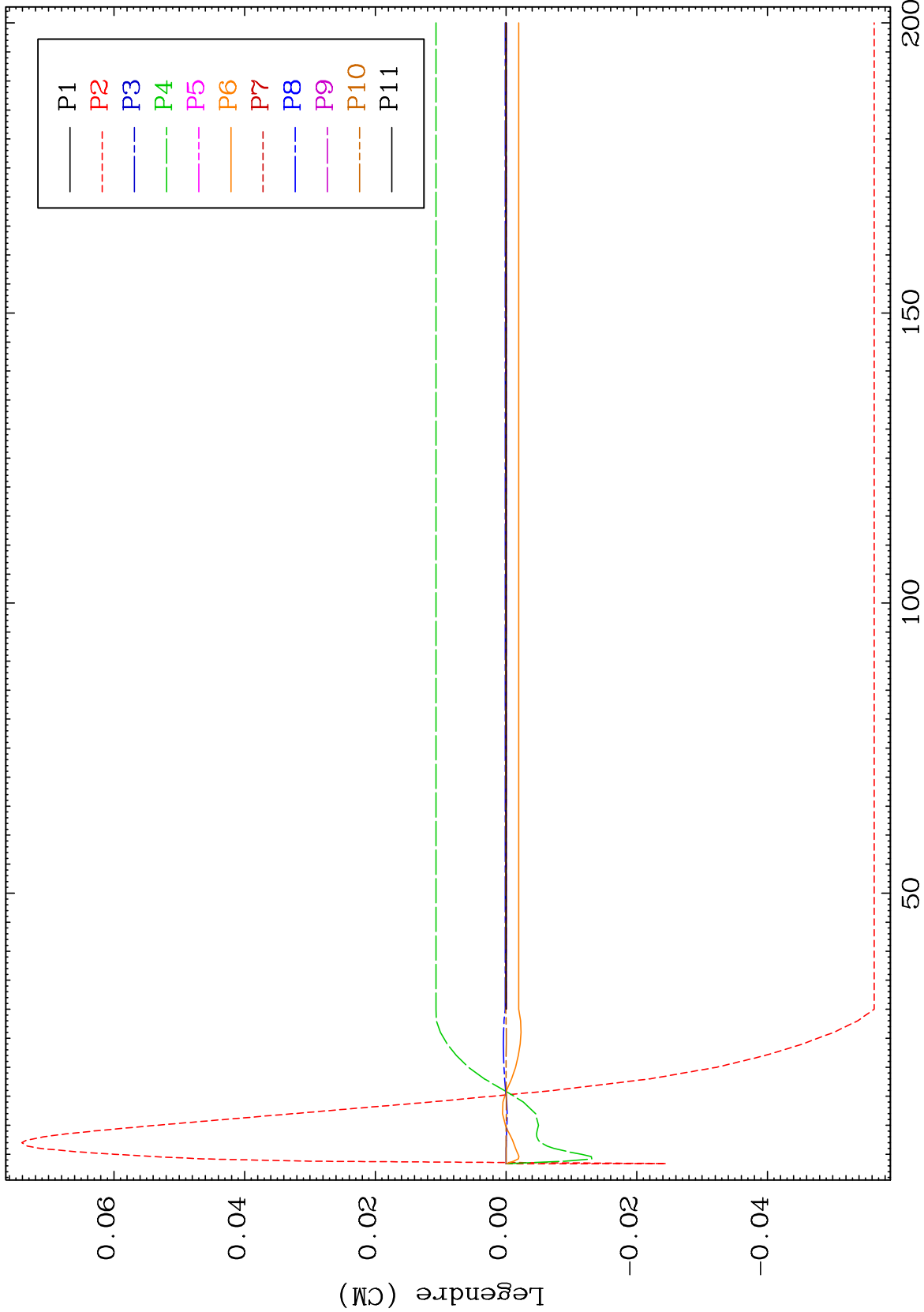
39-Y -95



MAT 3943

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

39-Y -95



111

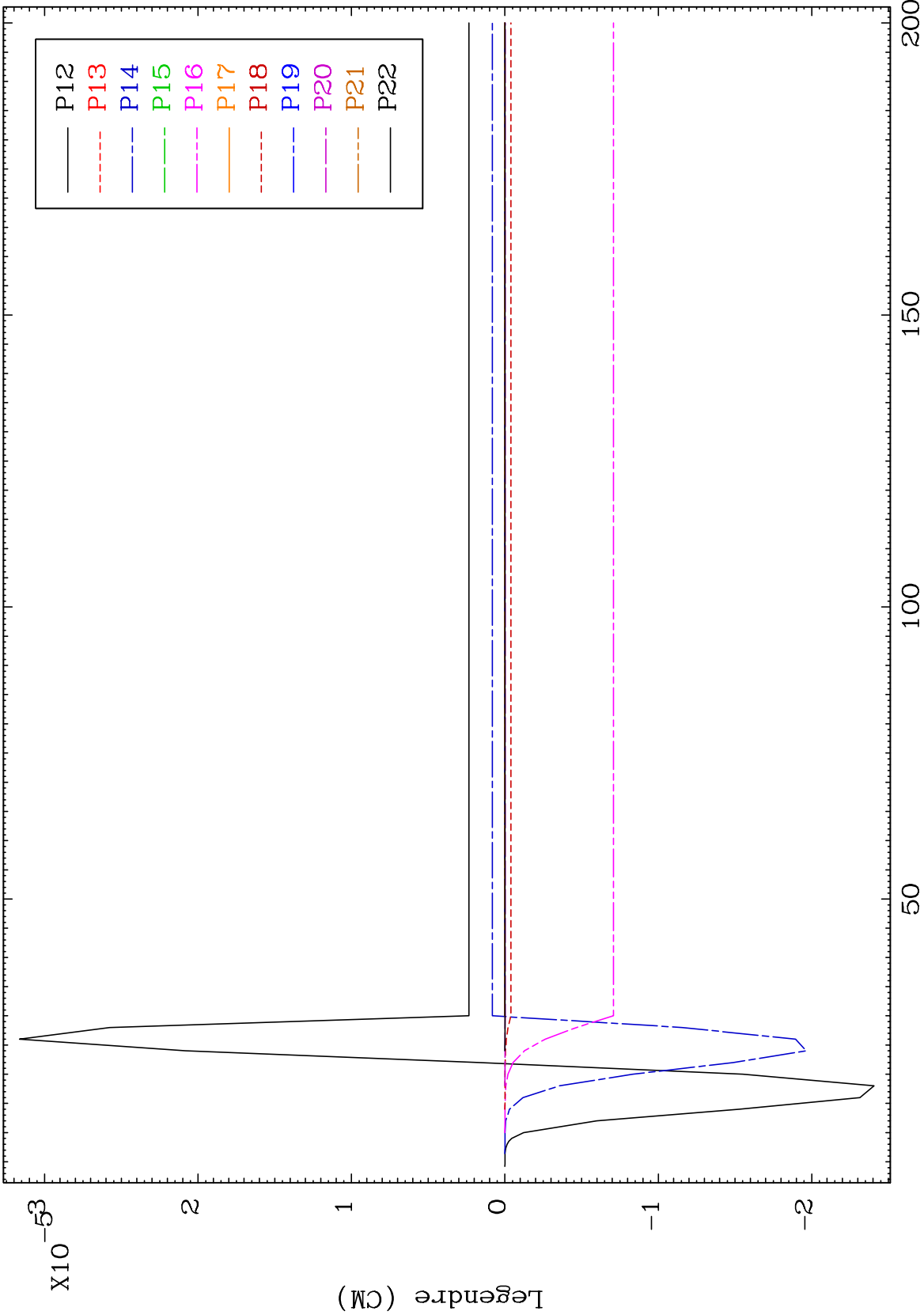
Incident Energy (MeV)

39-Y -95

MAT 3943

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

39-Y -95



112

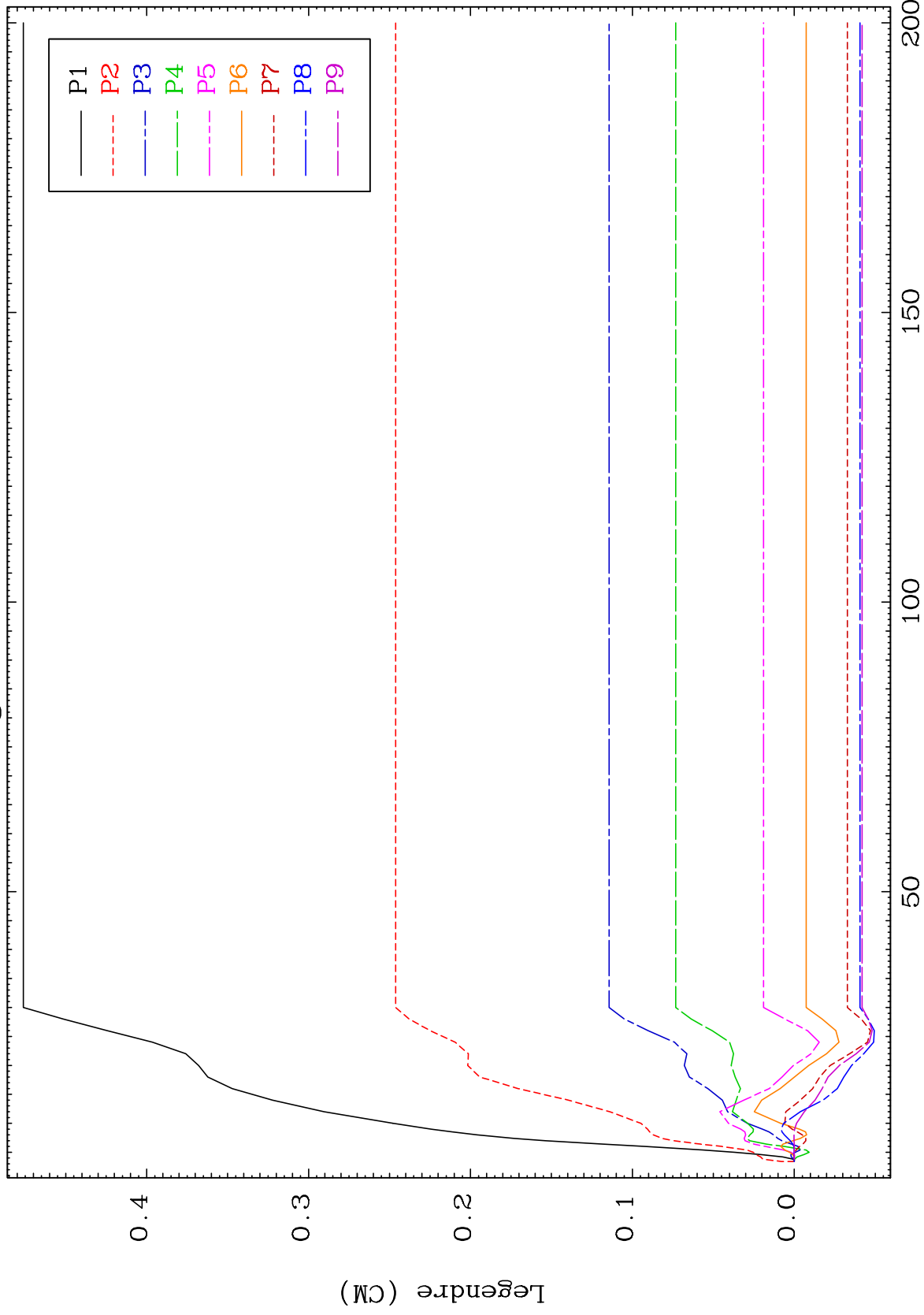
Incident Energy (MeV)

39-Y -95

MAT 3943

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

39-Y -95



113

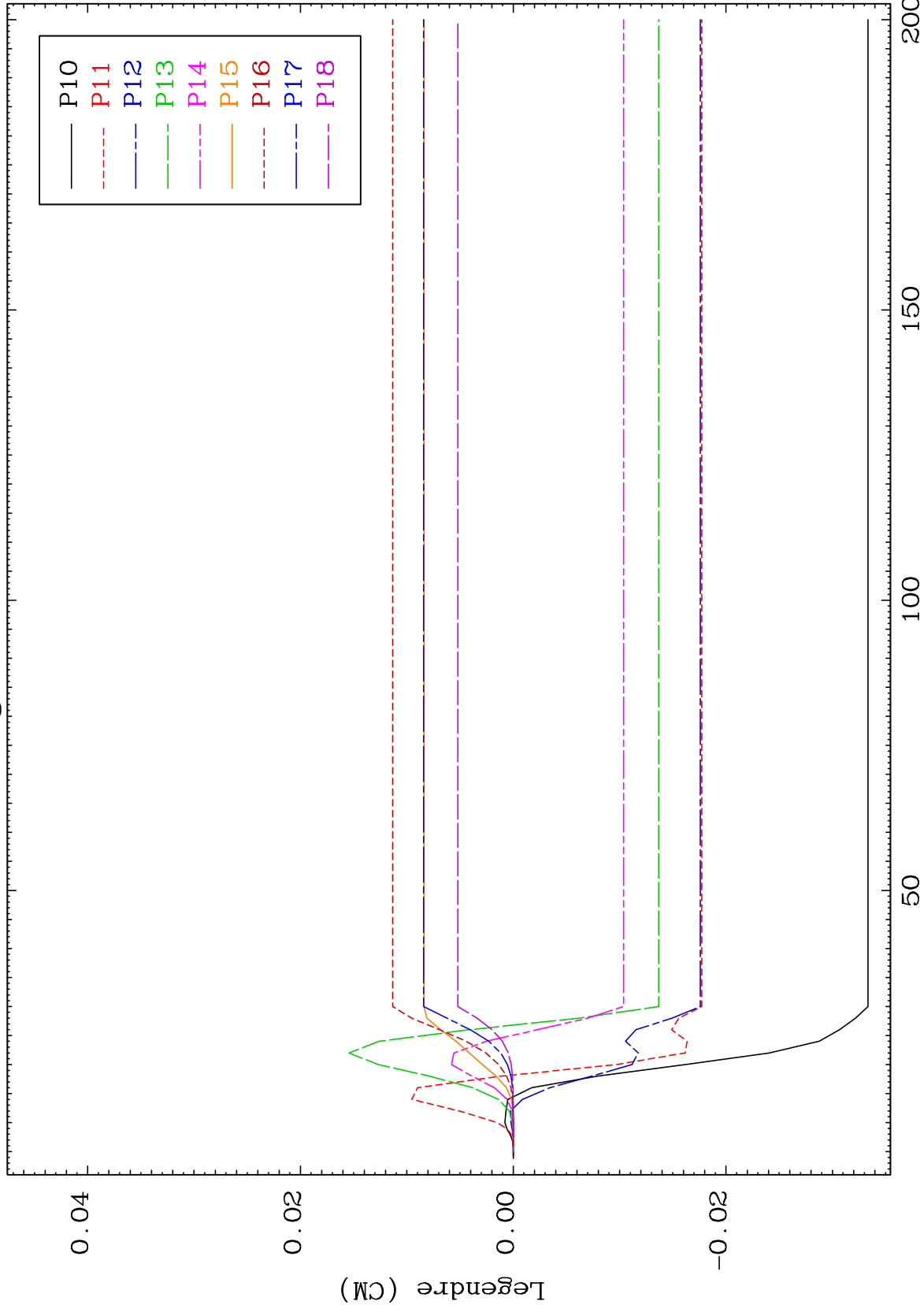
Incident Energy (MeV)

39-Y -95

MAT 3943

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

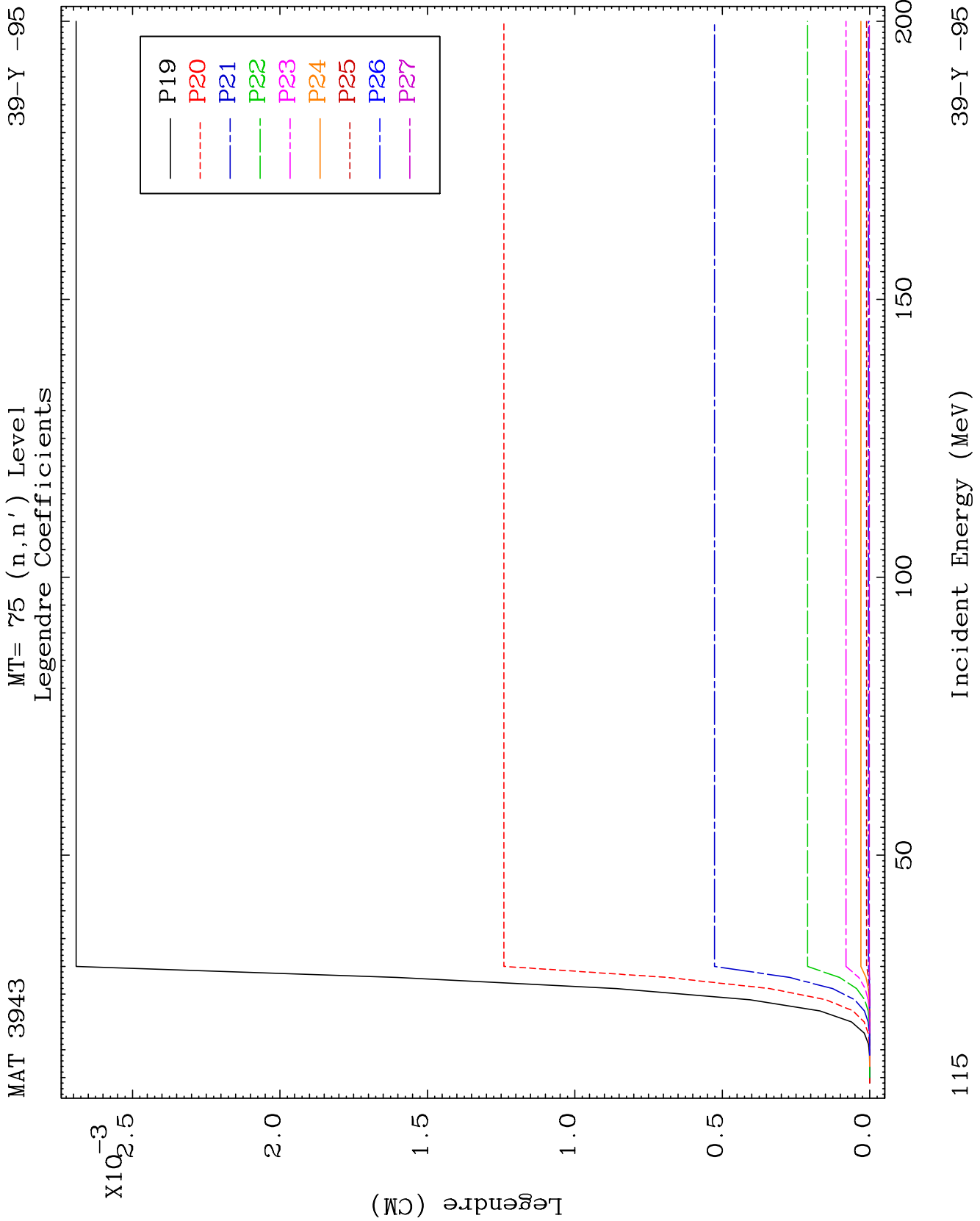
39-Y -95



114

Incident Energy (MeV)

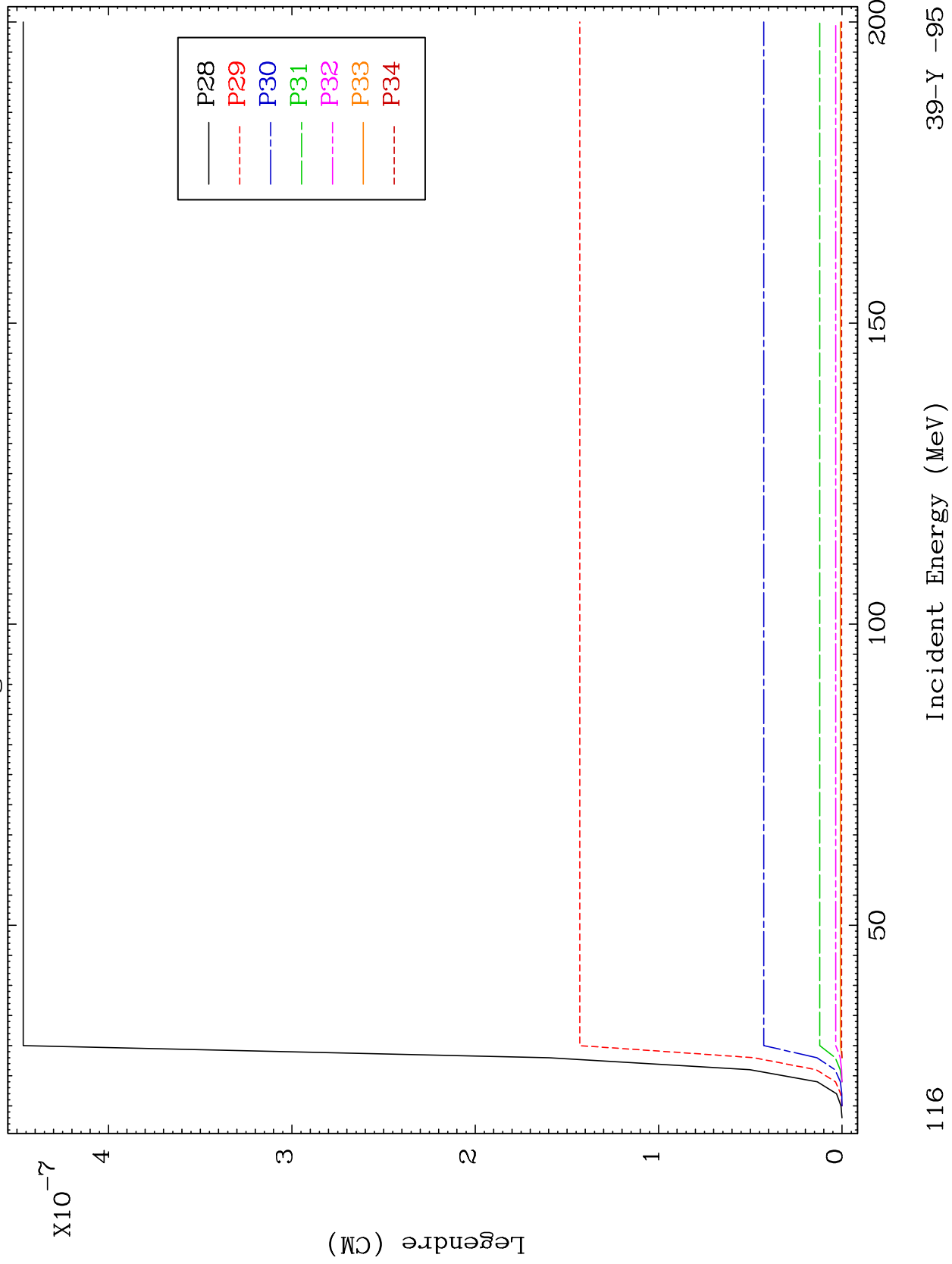
39-Y -95



MAT 3943

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

39-Y -95



116

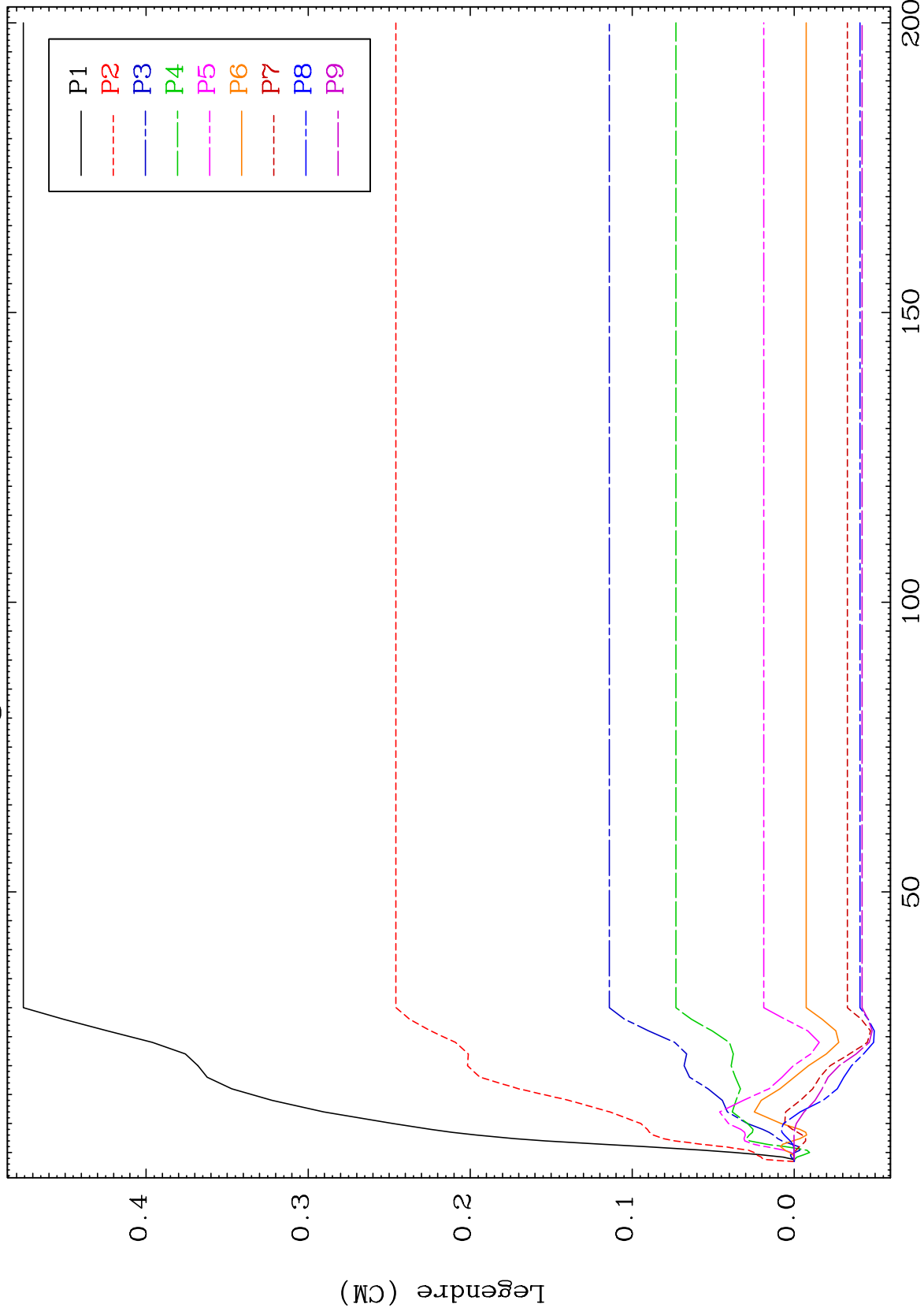
Incident Energy (MeV)

39-Y -95

MAT 3943

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

39-Y -95



117

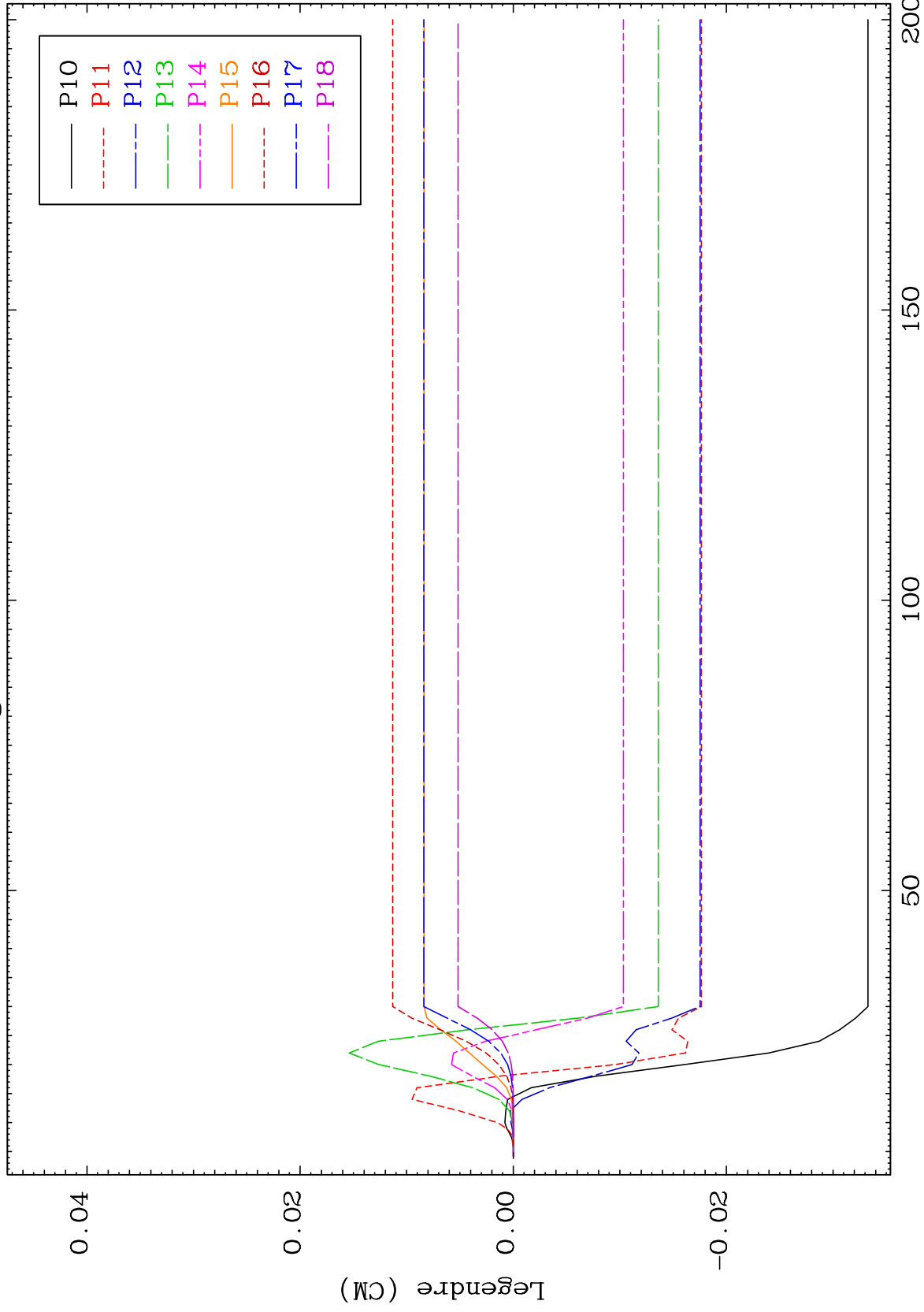
Incident Energy (MeV)

39-Y -95

MAT 3943

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

39-Y -95



118

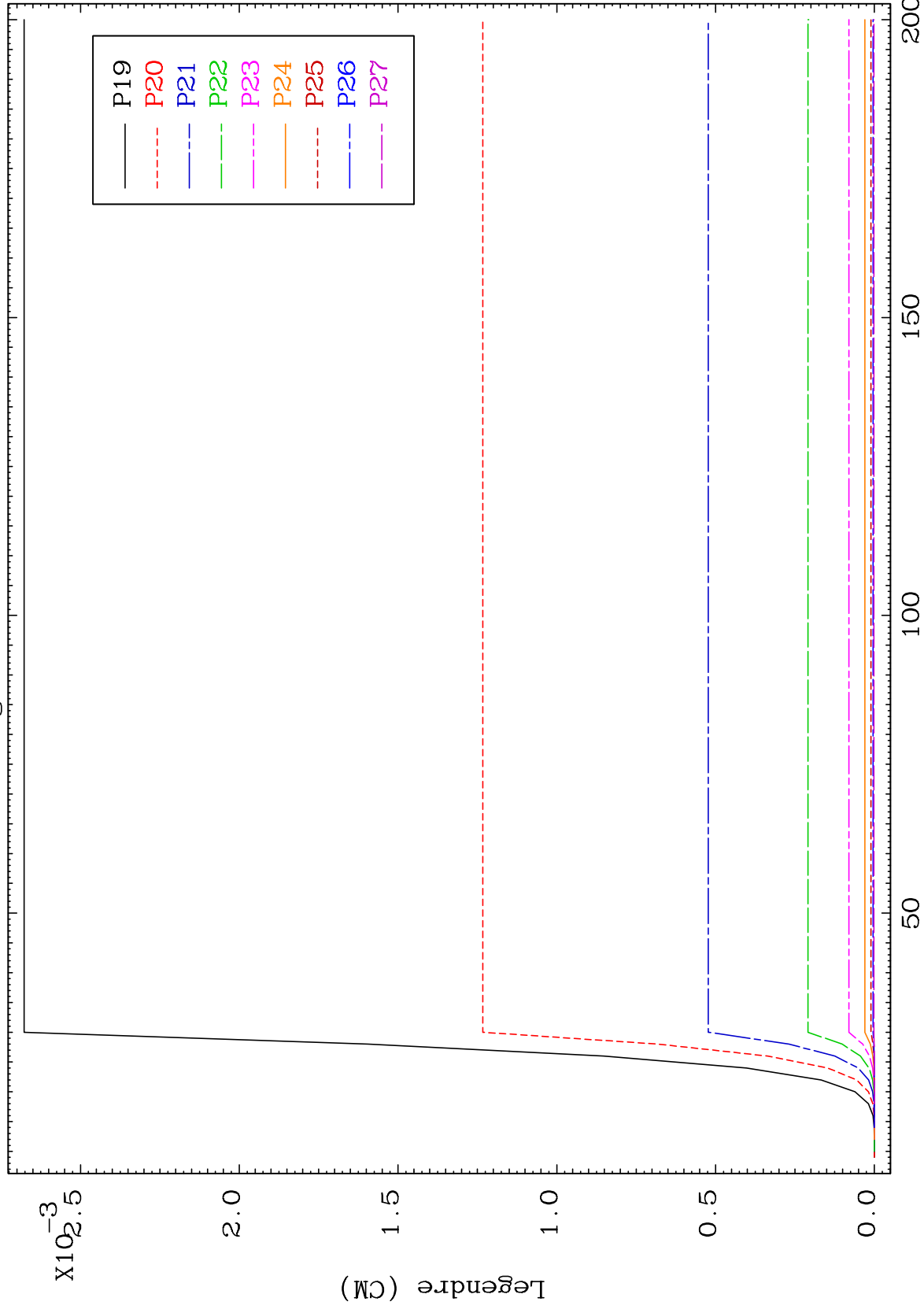
Incident Energy (MeV)

39-Y -95

MAT 3943

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

39-Y -95



119

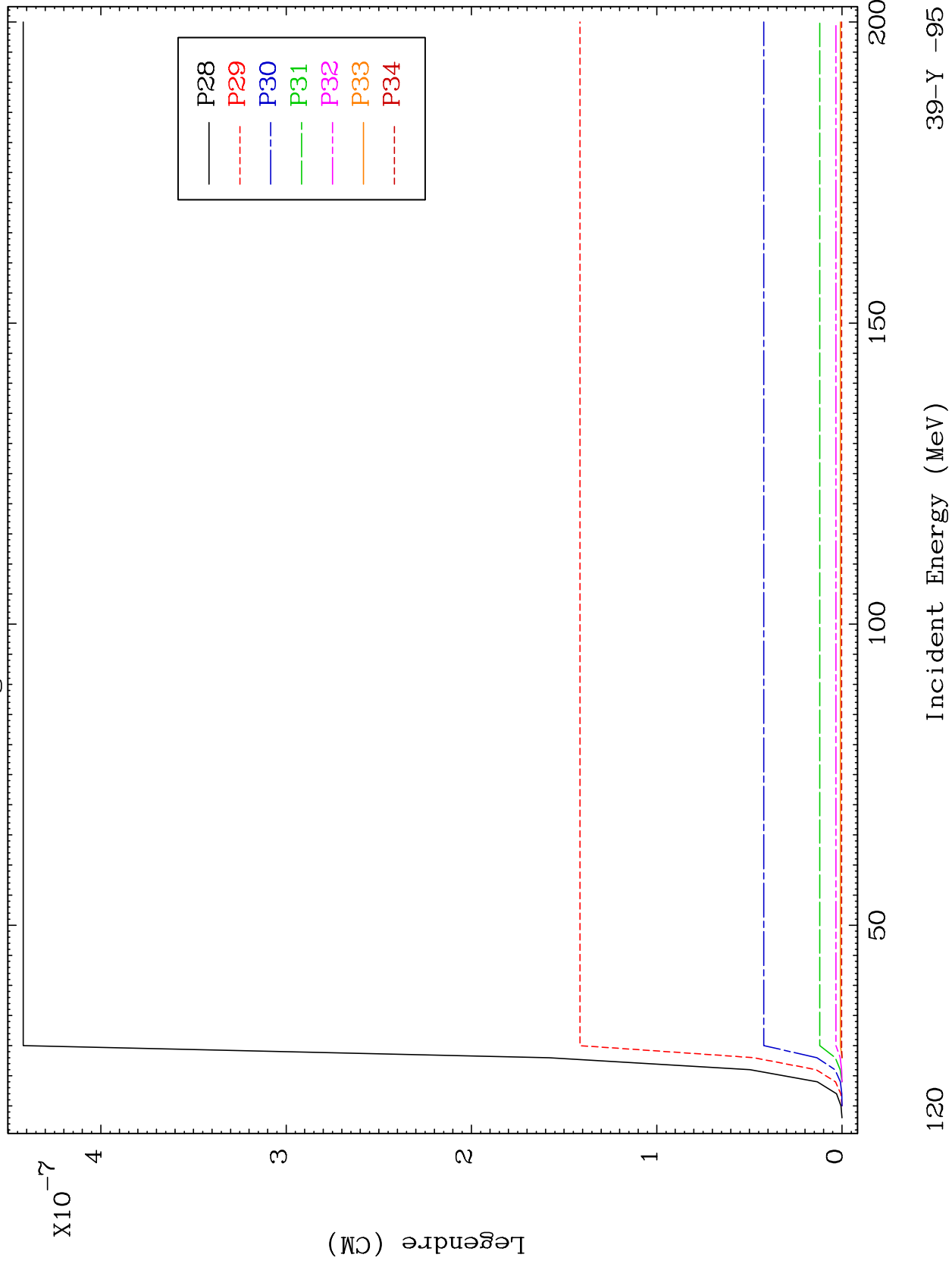
Incident Energy (MeV)

39-Y -95

MAT 3943

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

39-Y -95

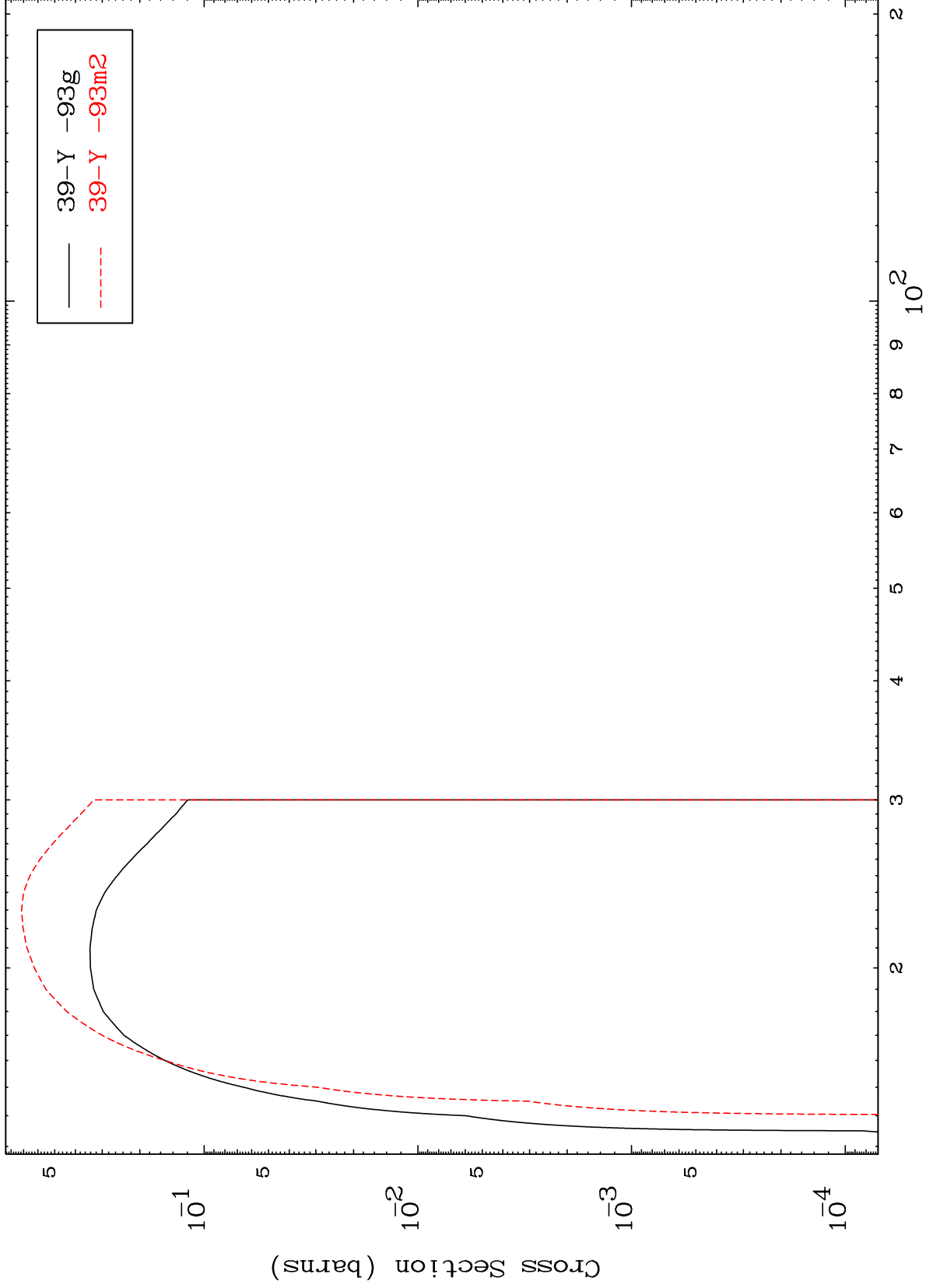


MAT 3943

(n,3n)

39-Y -95

Radionuclide Production Cross Section

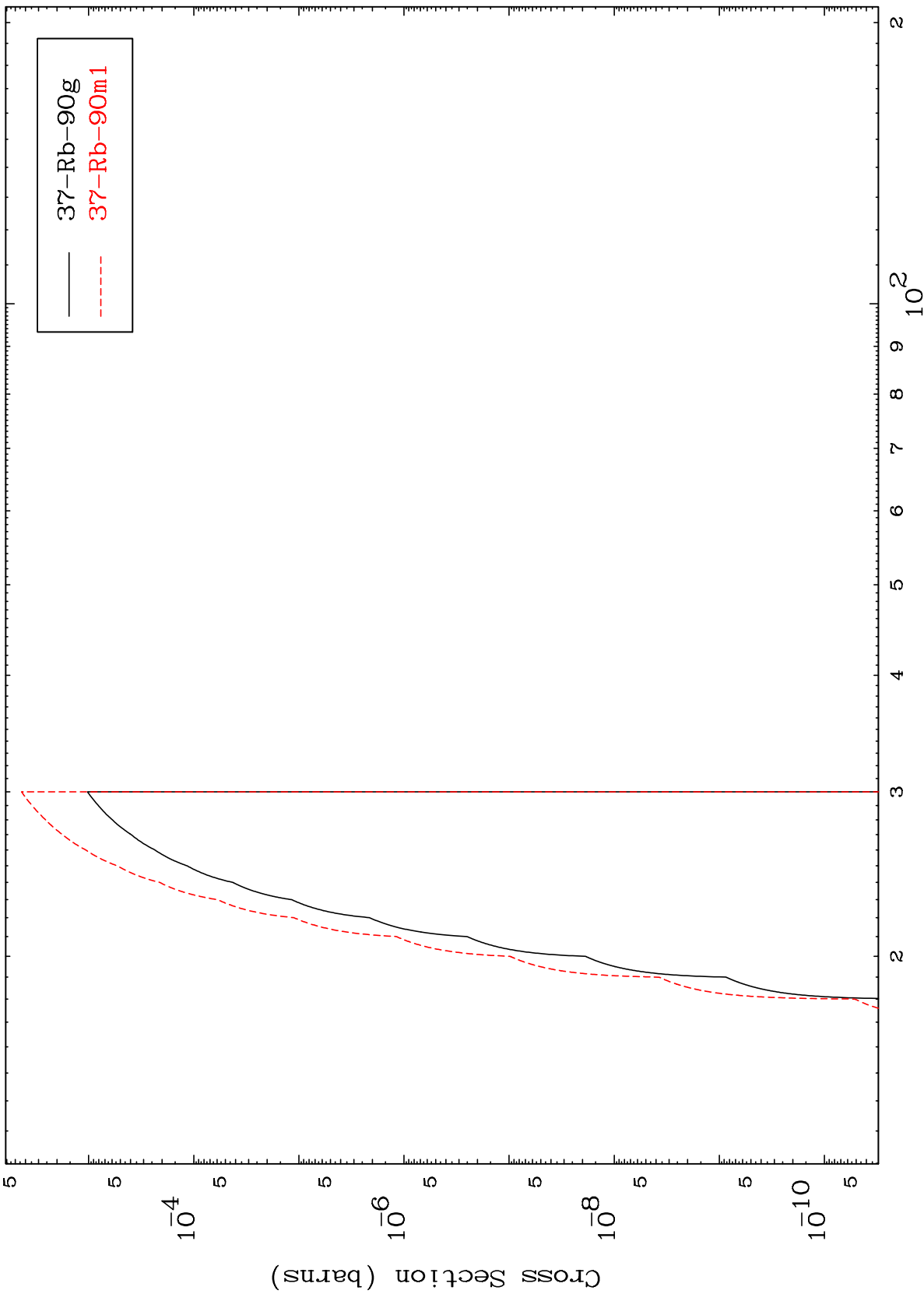


121

Incident Energy (MeV)

39-Y -95

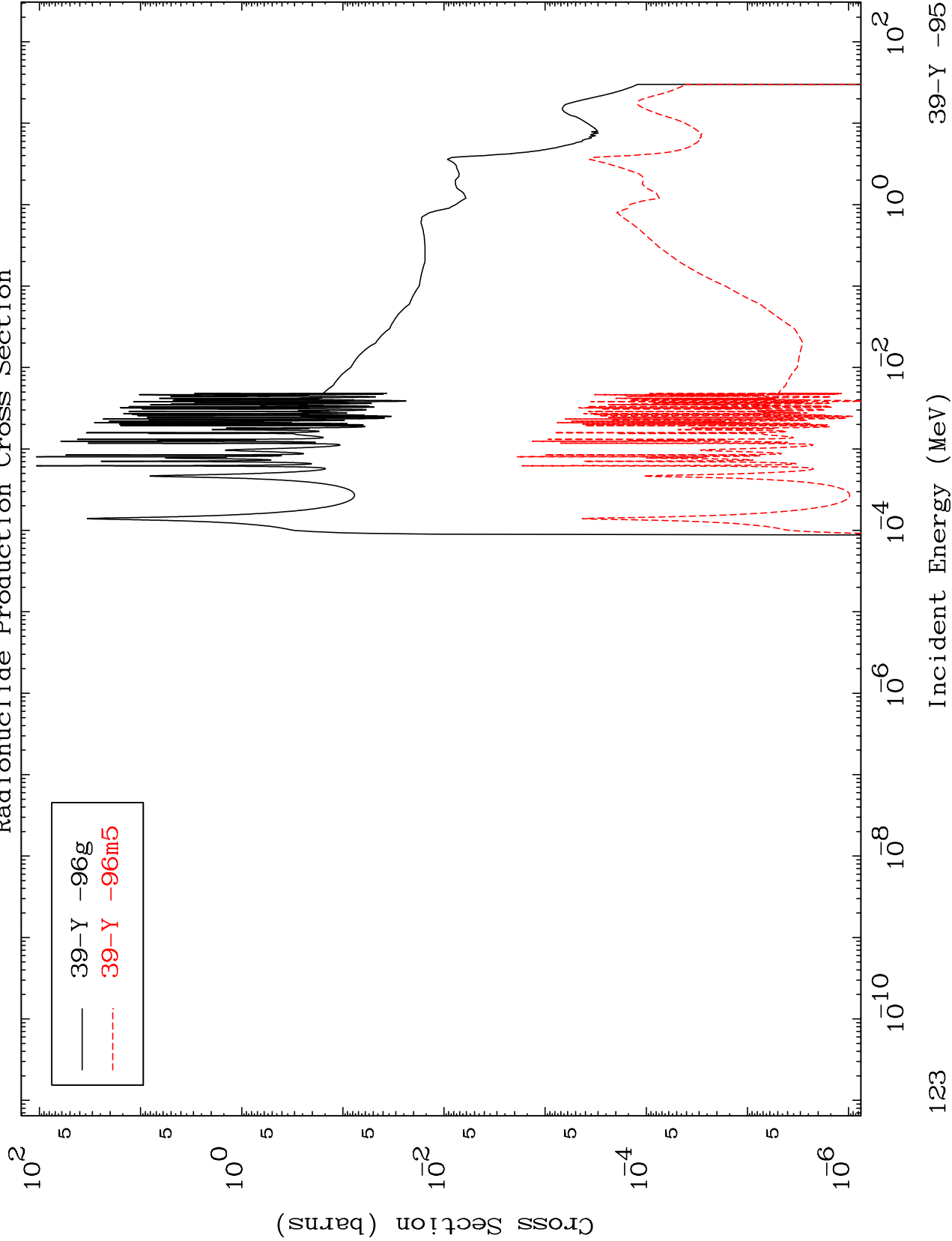
Radionuclide Production Cross Section



MAT 3943

39-Y -95

Radionuclide Production Cross Section



123

39-Y -95