

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

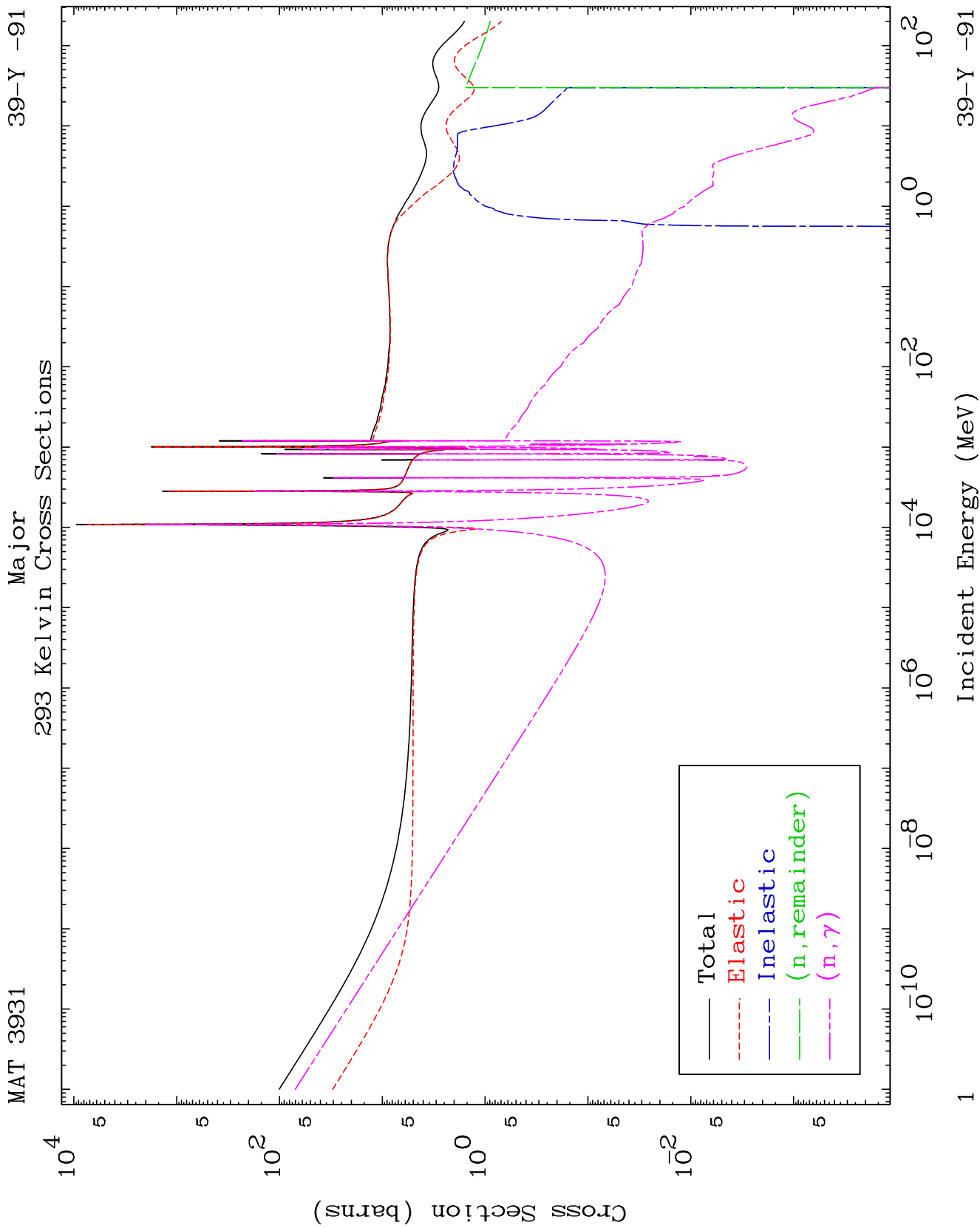
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

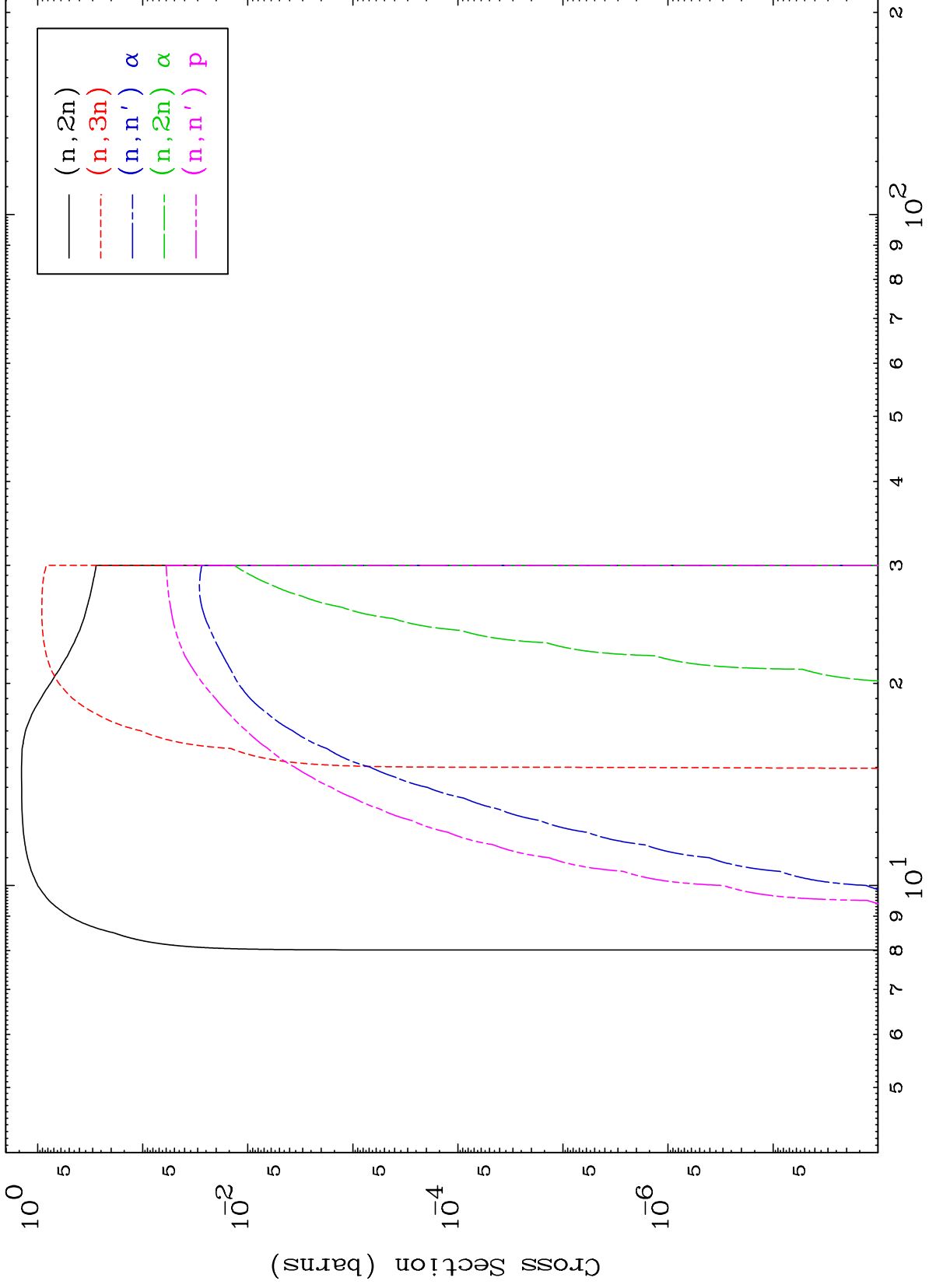
Tele: 925-443-1911

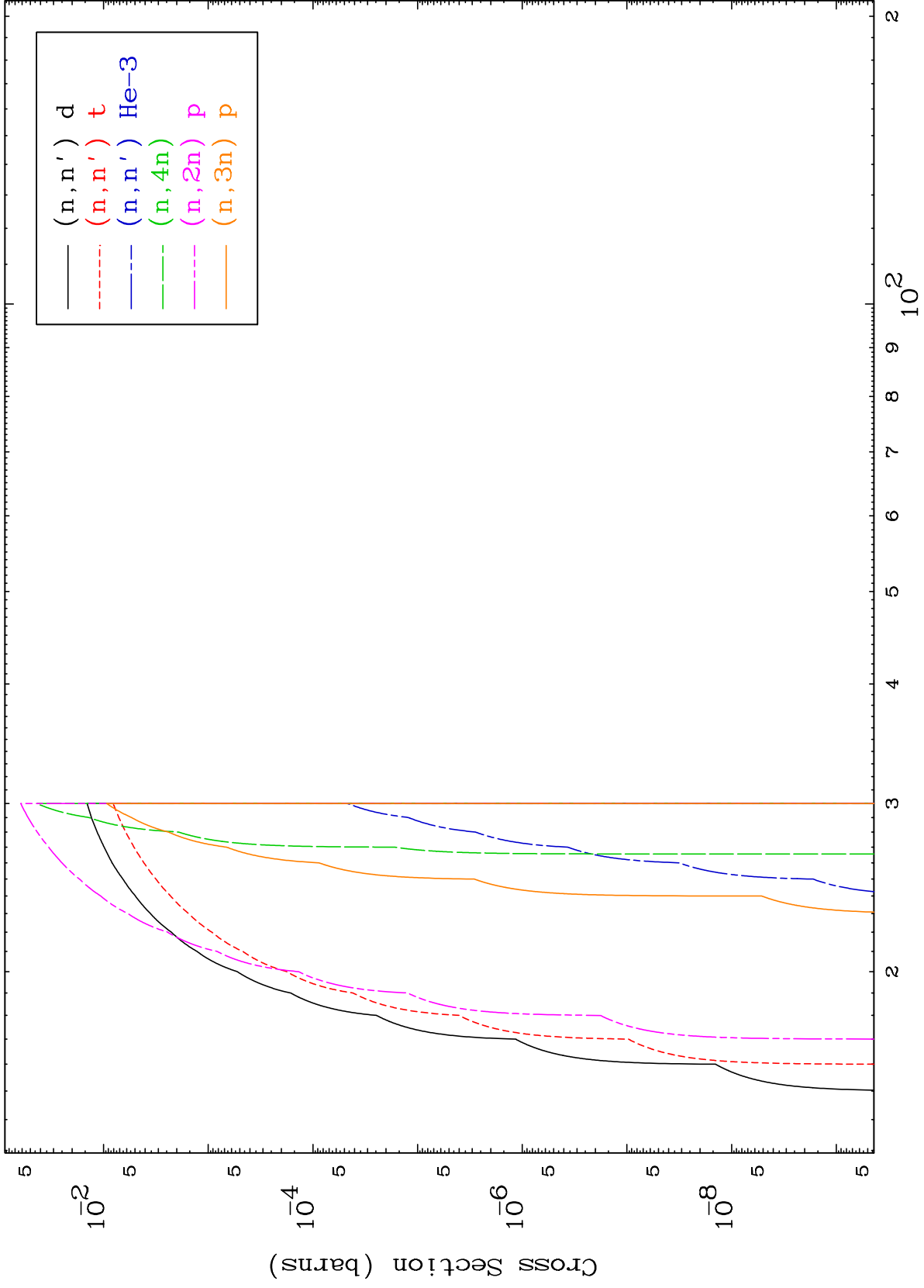
E.Mail:redcullen1@comcast.net

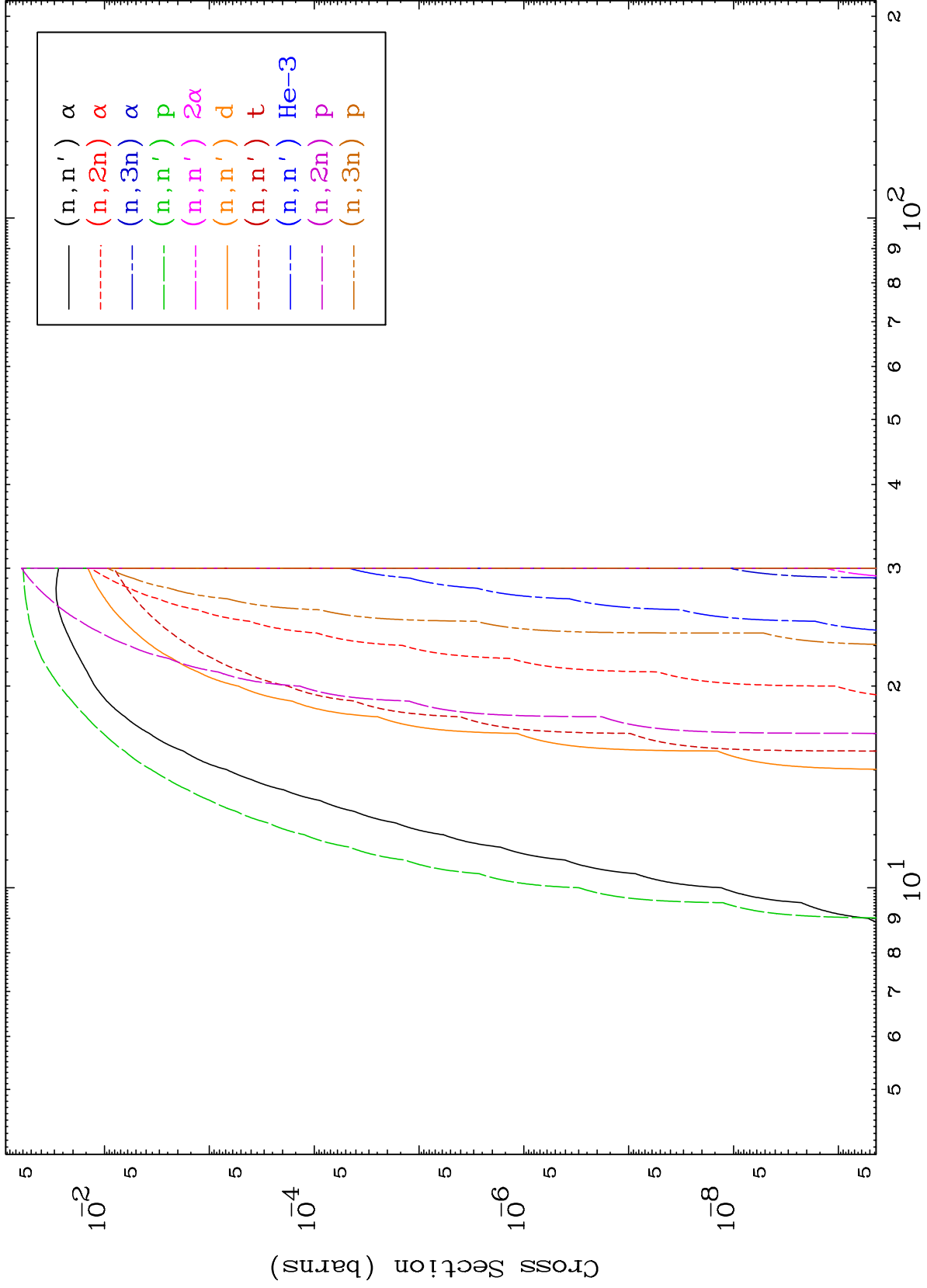
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Press Mouse Button to Start





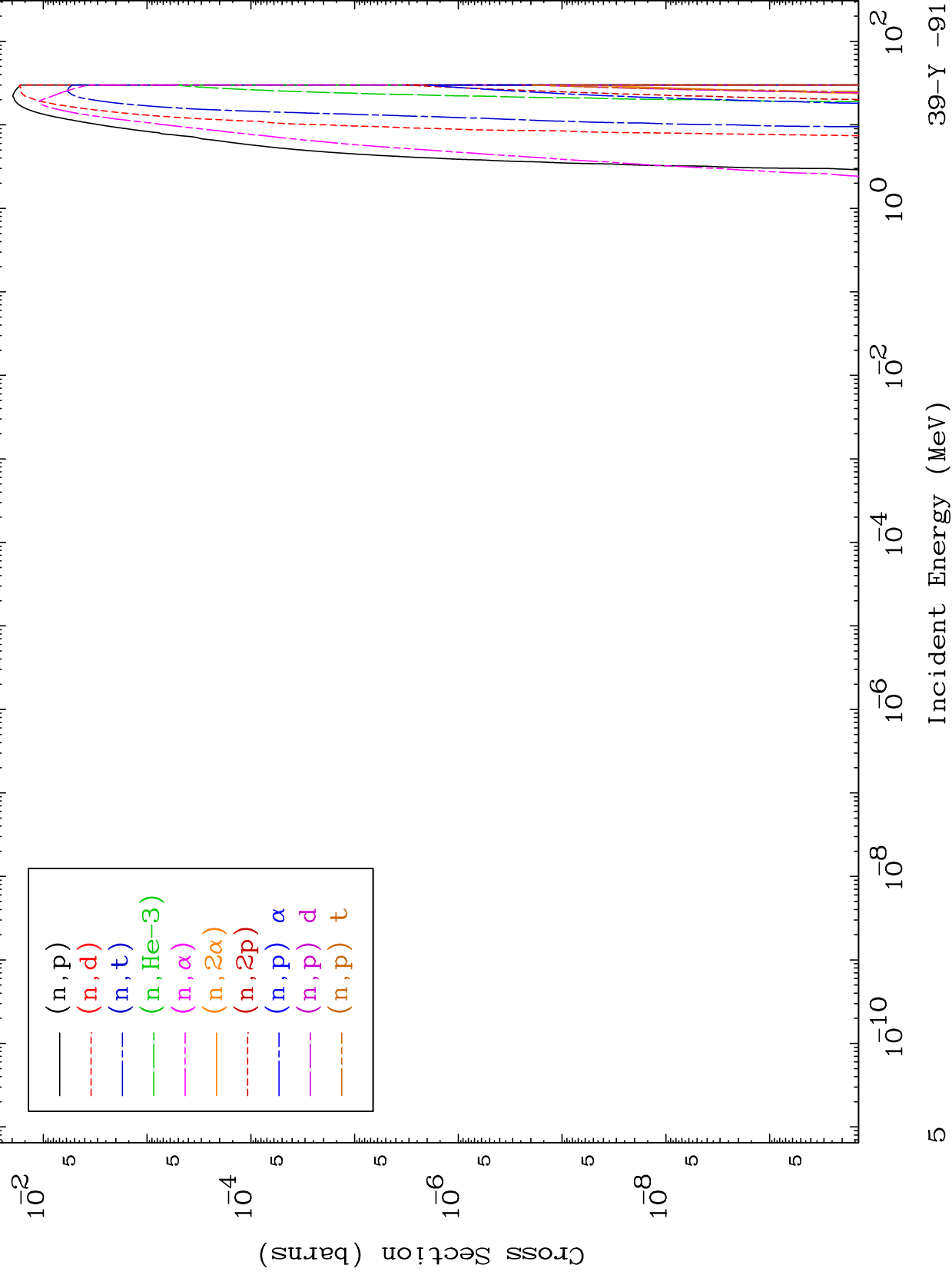


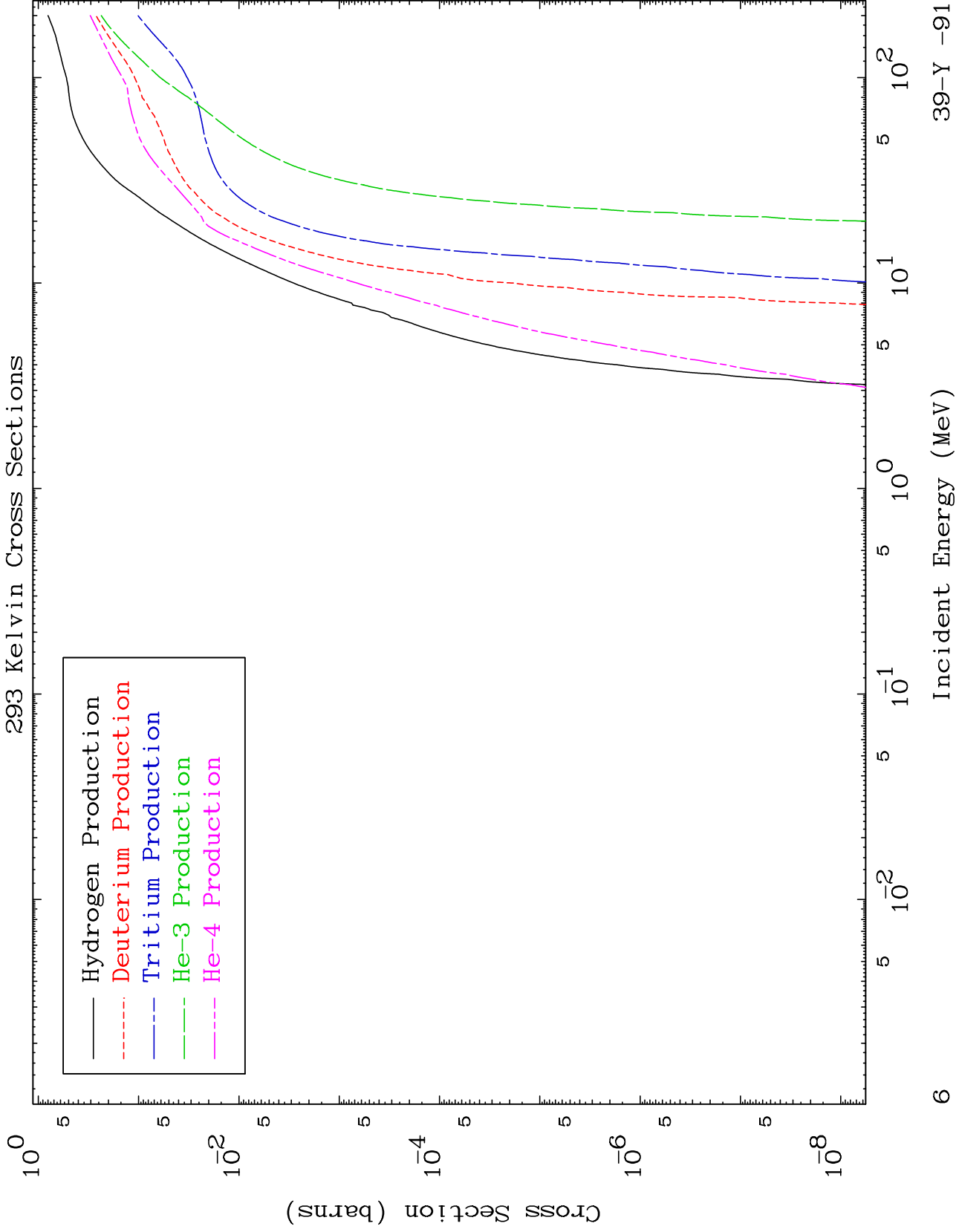


MAT 3931

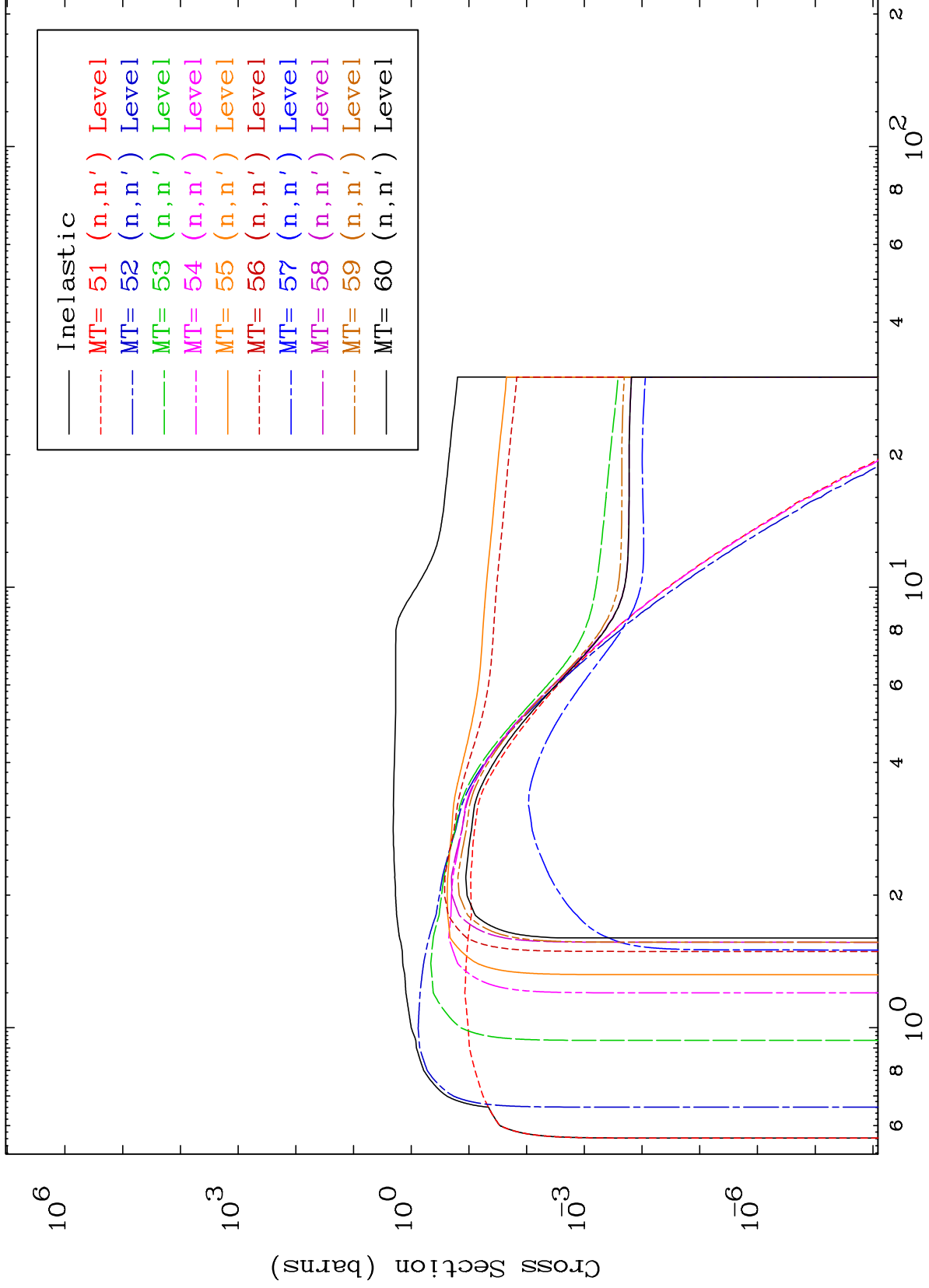
Charged Particle
293 Kelvin Cross Sections

39-Y -91





293 Kelvin Cross Sections



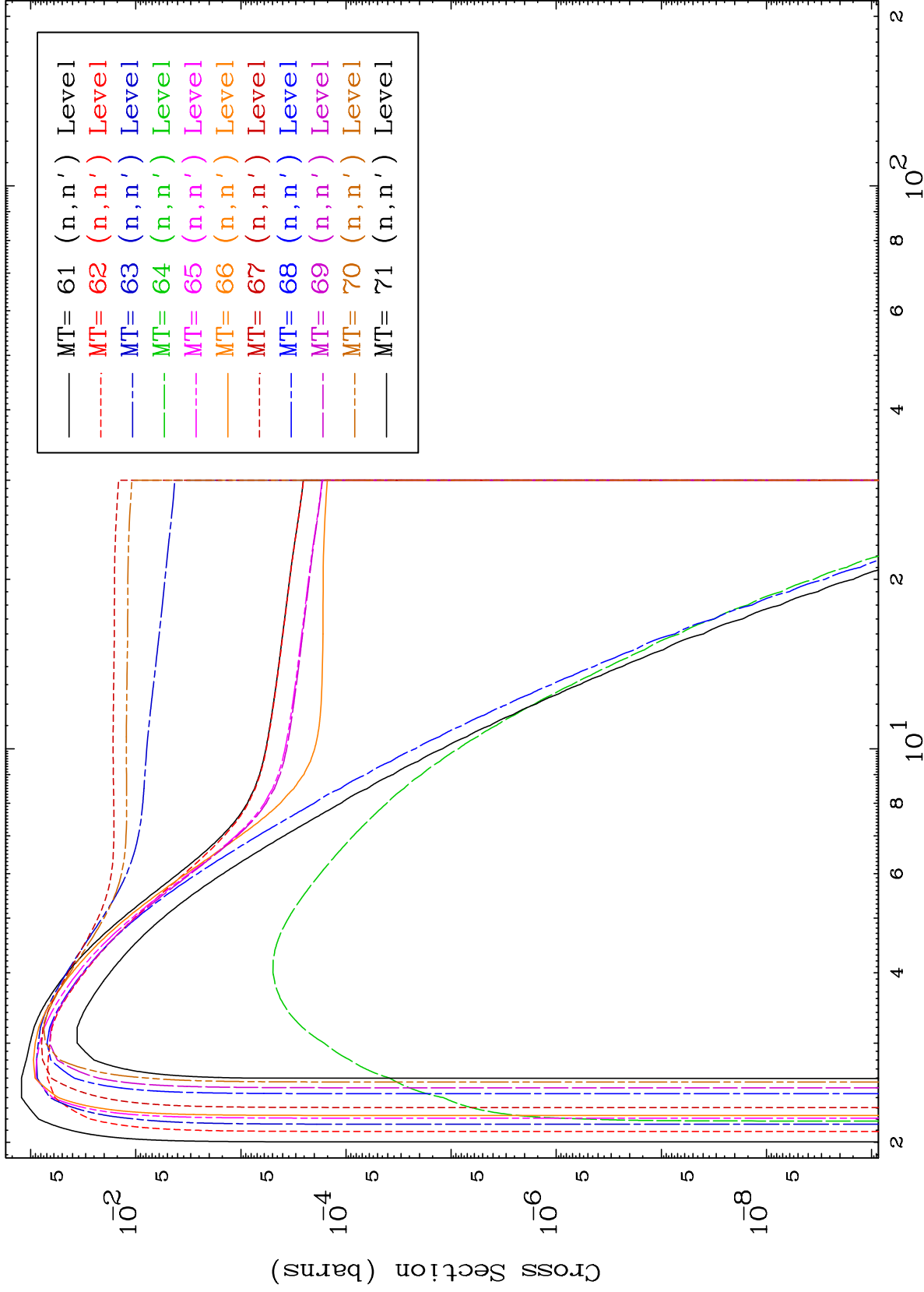
—	Inelastic
- - -	MT= 51 (n,n') Level
- . -	MT= 52 (n,n') Level
- - -	MT= 53 (n,n') Level
- . -	MT= 54 (n,n') Level
- - -	MT= 55 (n,n') Level
- . -	MT= 56 (n,n') Level
- - -	MT= 57 (n,n') Level
- . -	MT= 58 (n,n') Level
- - -	MT= 59 (n,n') Level
- . -	MT= 60 (n,n') Level

MAT 3931

(n,n') Level

39-Y -91

293 Kelvin Cross Sections

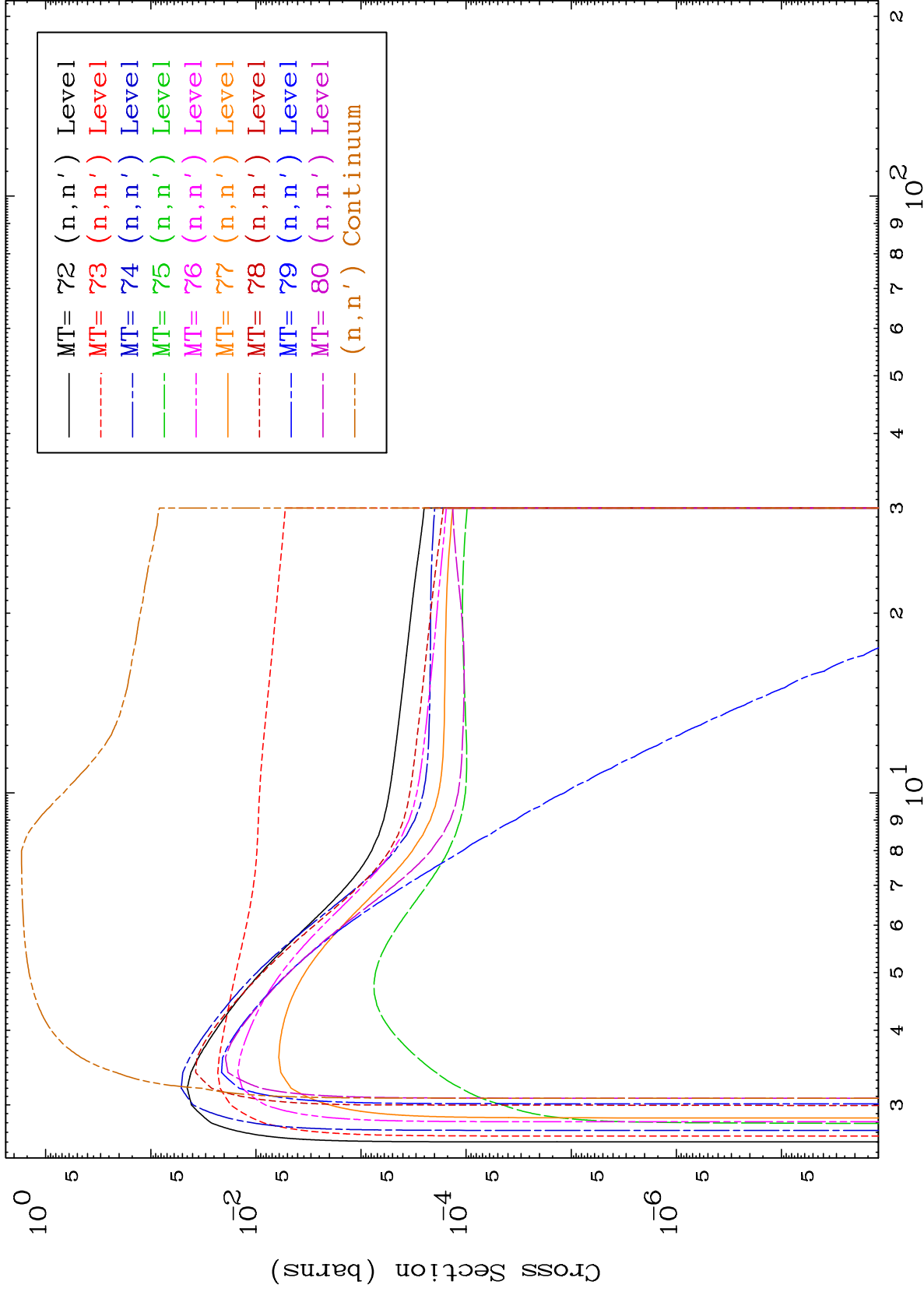


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Incident Energy (MeV)

39-Y -91

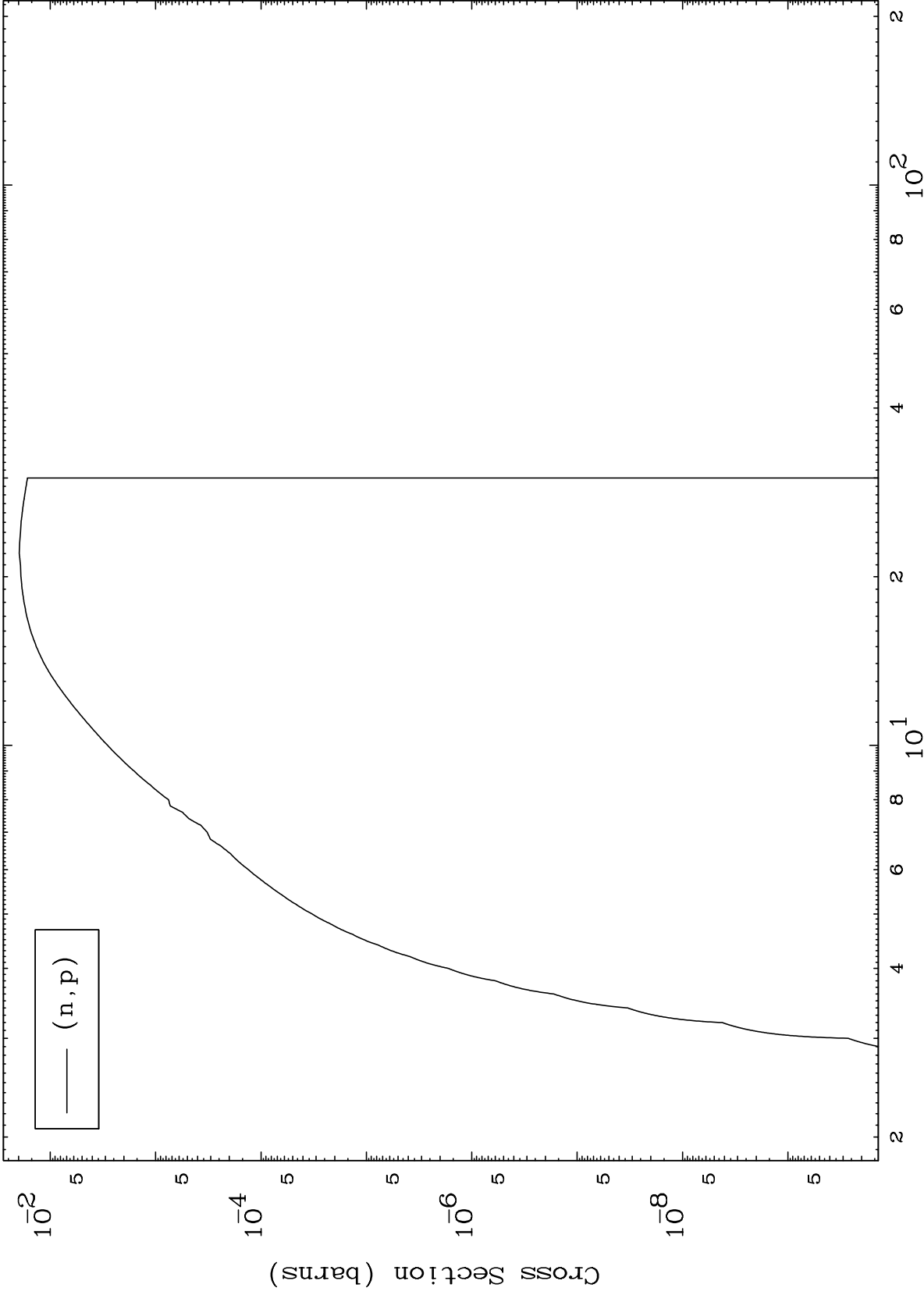
293 Kelvin Cross Sections



MAT 3931

(n,p) Levels
293 Kelvin Cross Sections

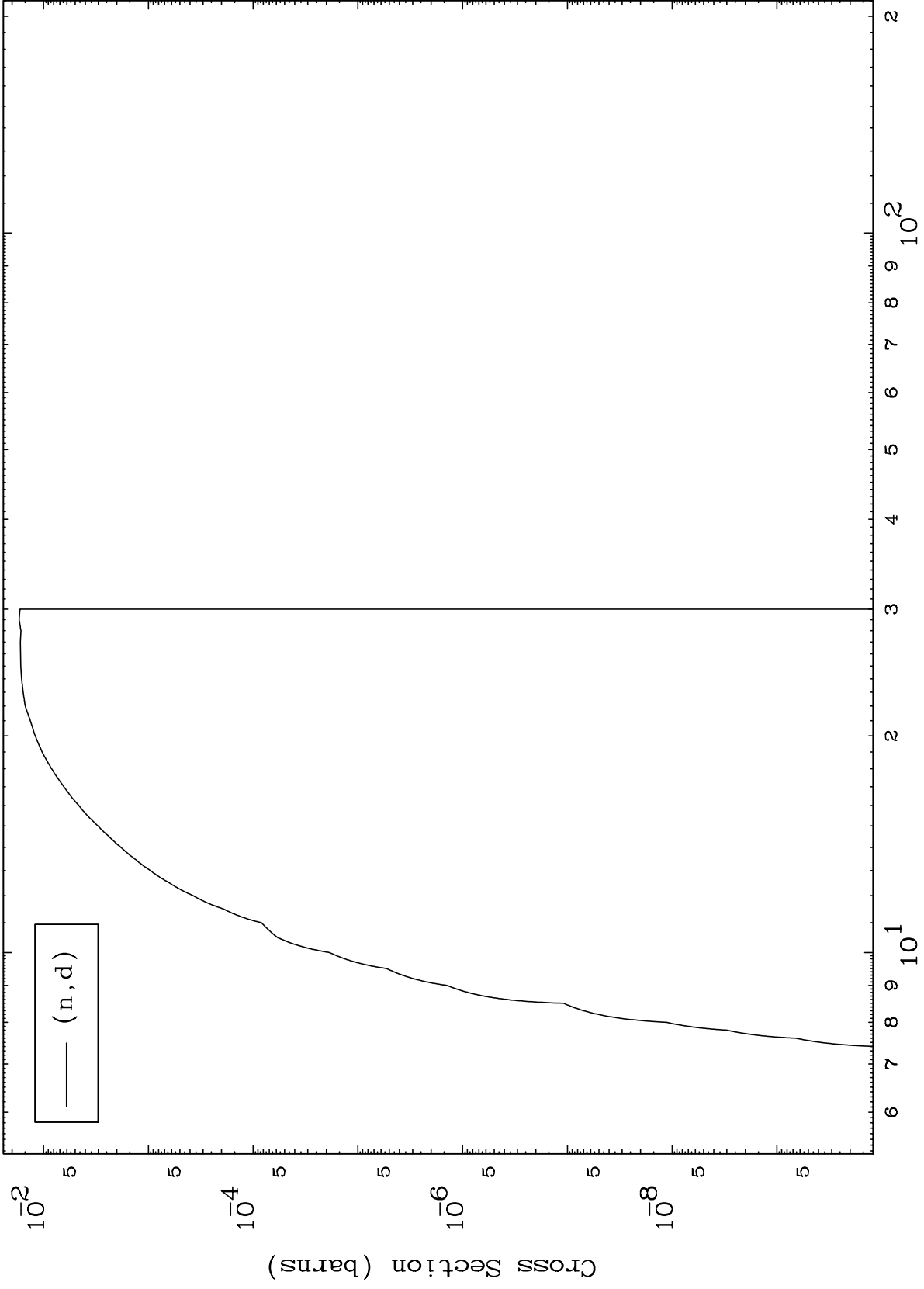
39-Y -91

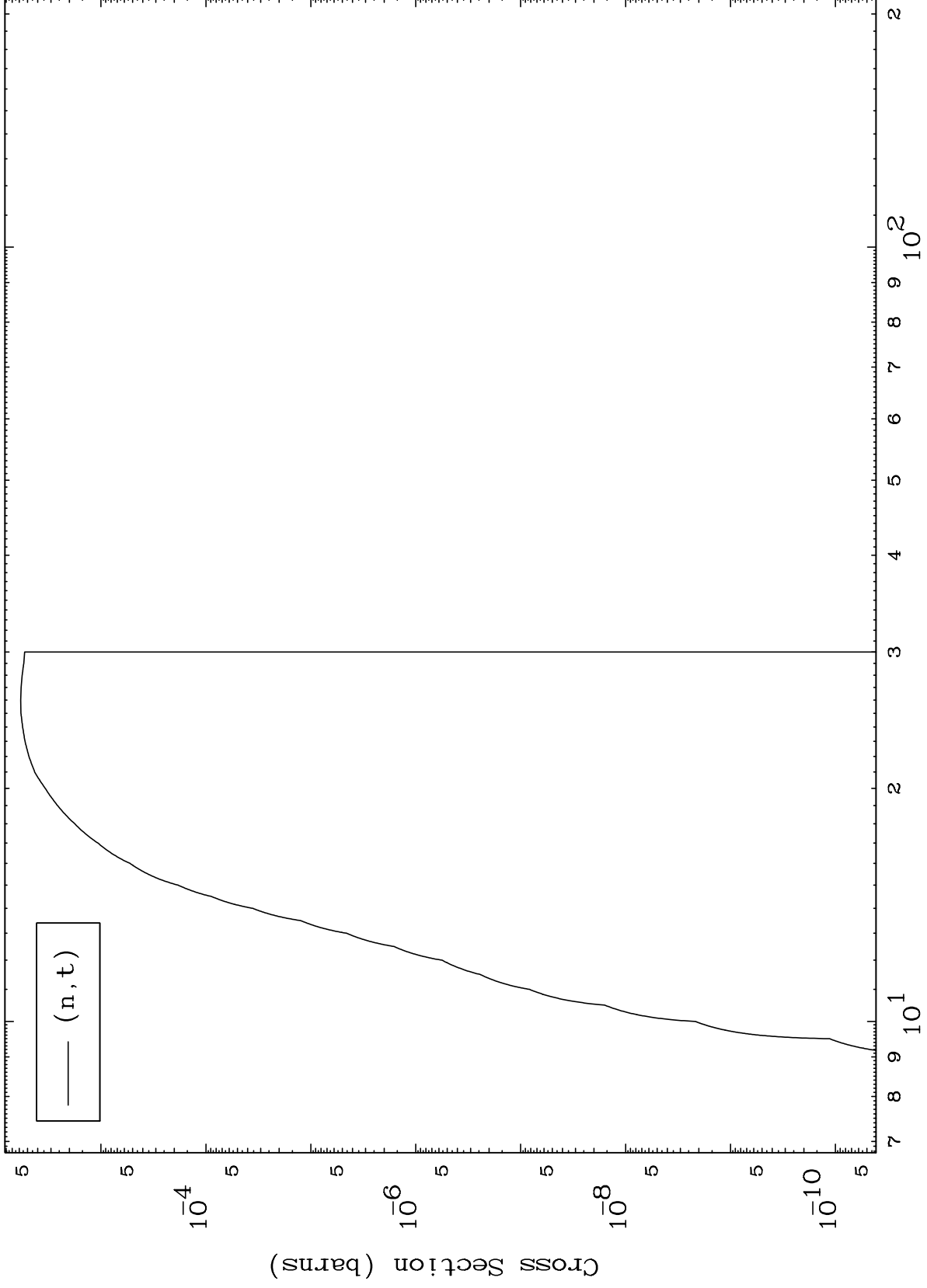


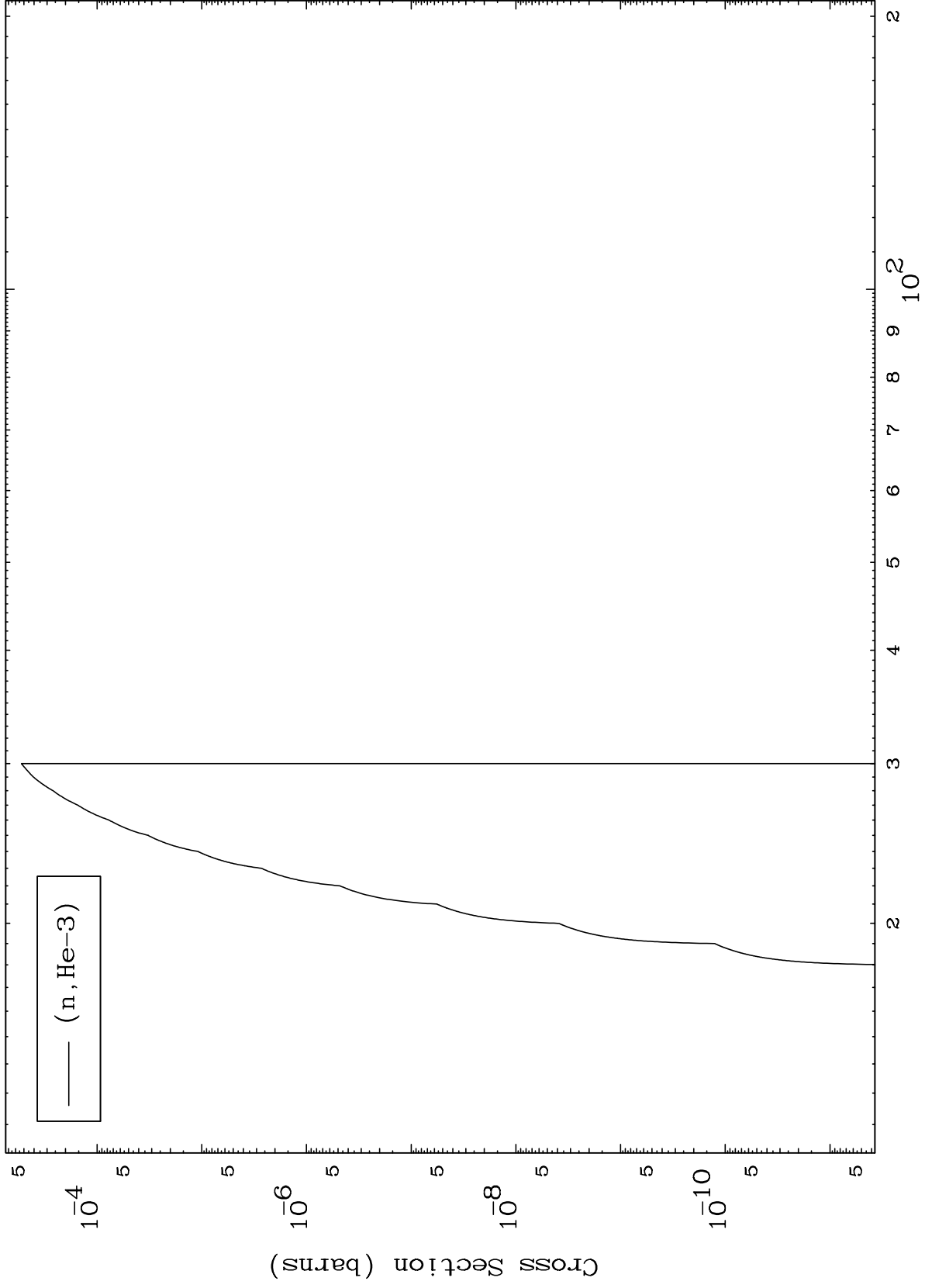
10

Incident Energy (MeV)

39-Y -91



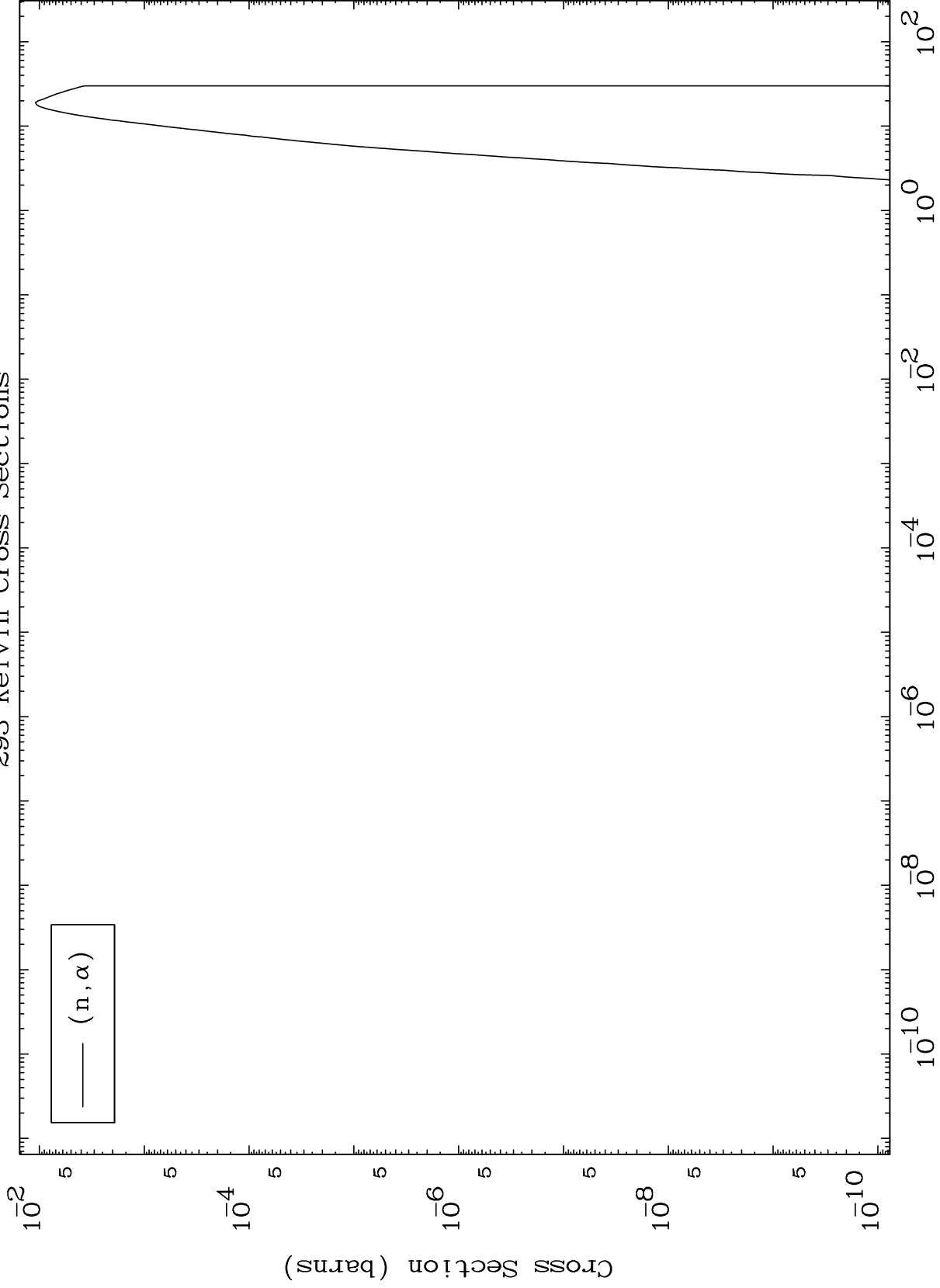




MAT 3931

(n, α) Levels
293 Kelvin Cross Sections

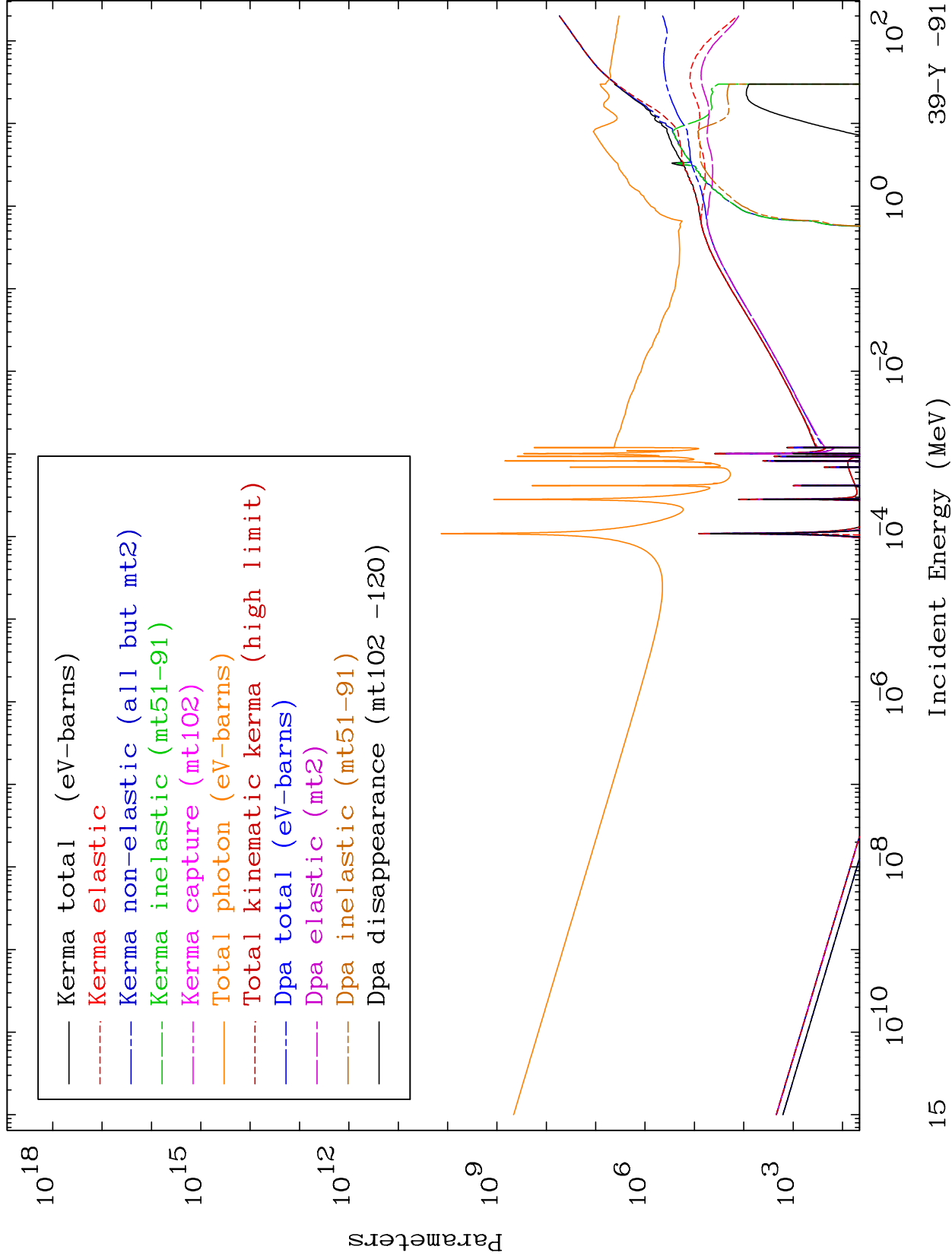
39-Y -91



14

Incident Energy (MeV)

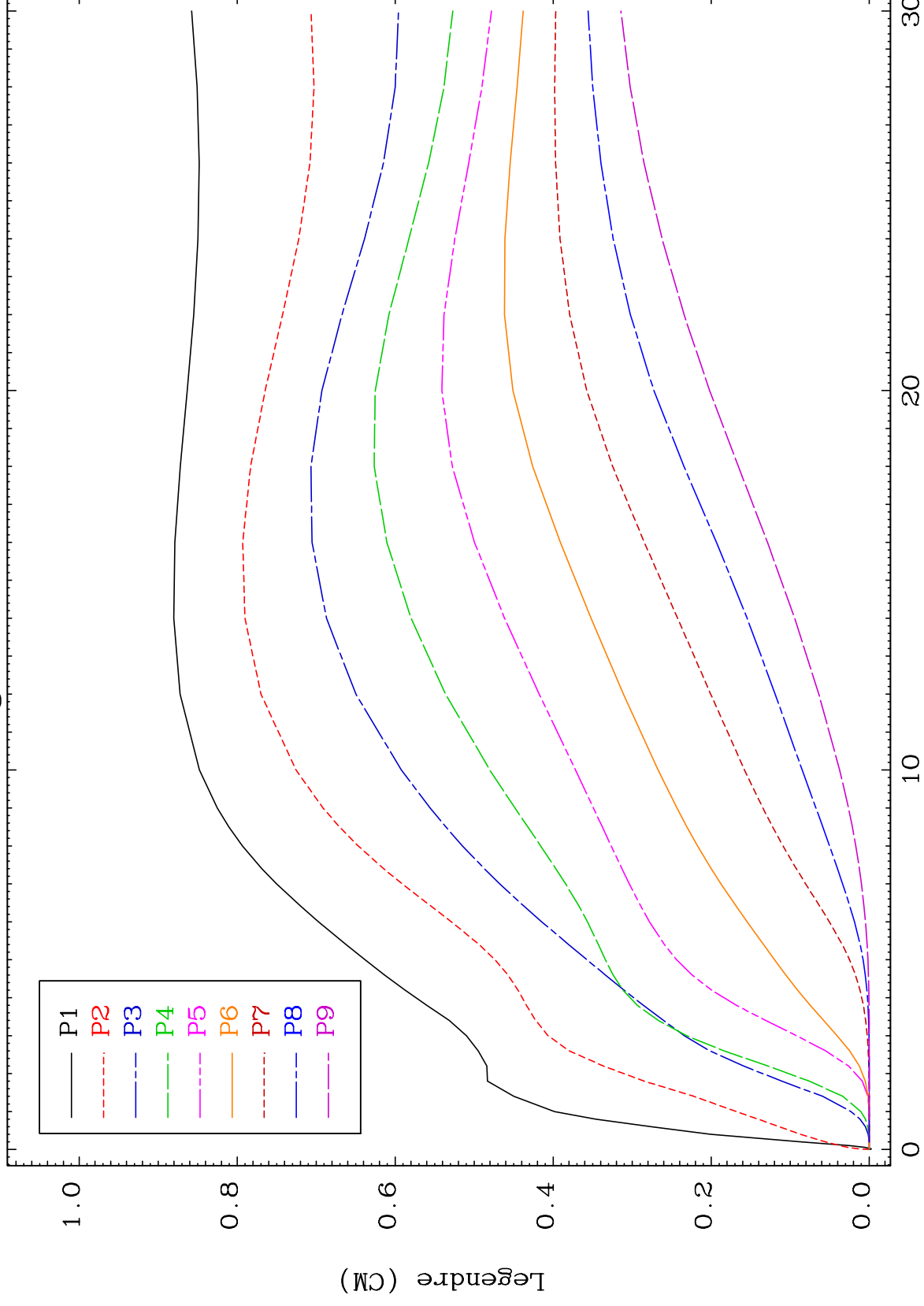
39-Y -91



MAT 3931

Elastic Legendre Coefficients

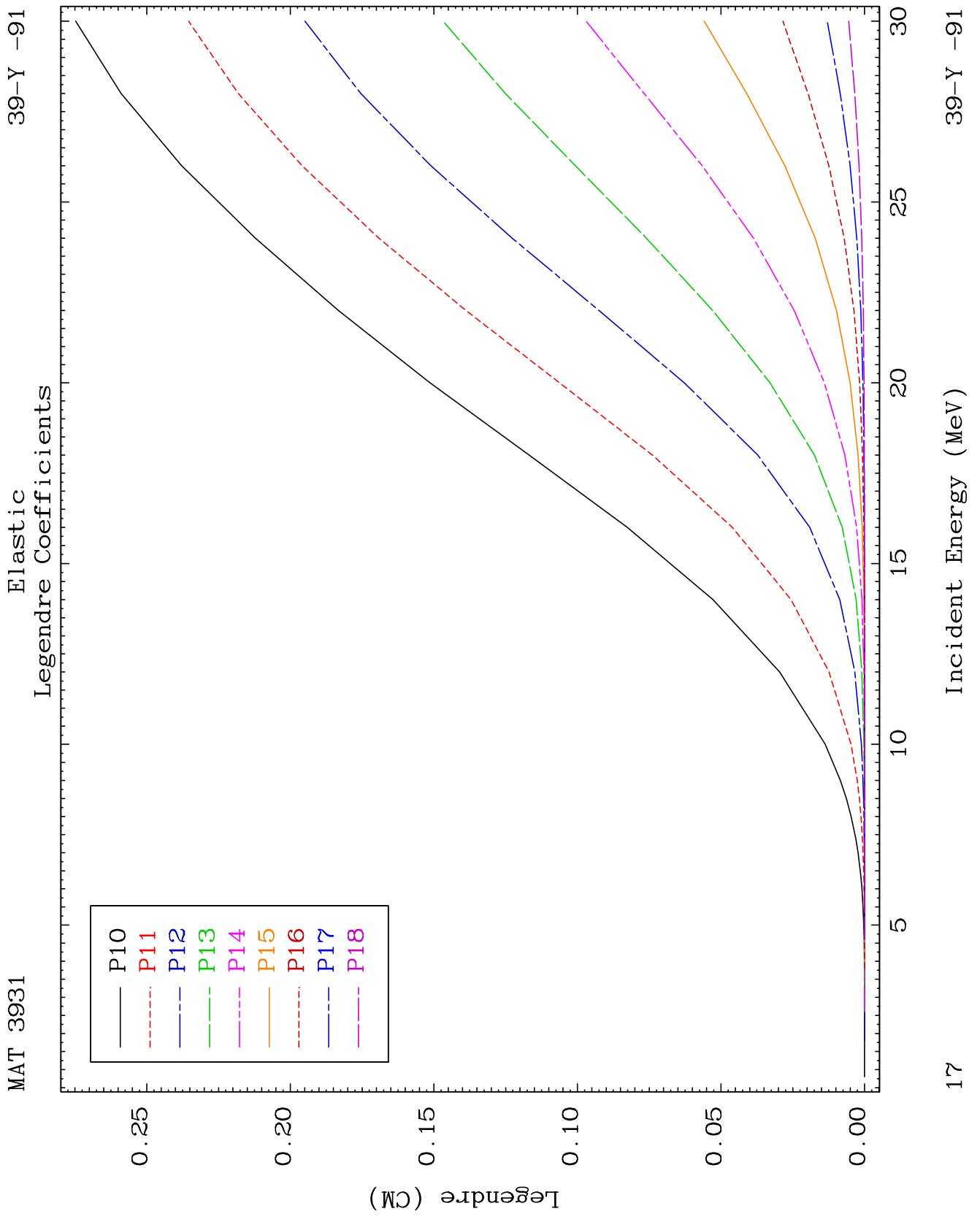
39-Y -91



16

Incident Energy (MeV)

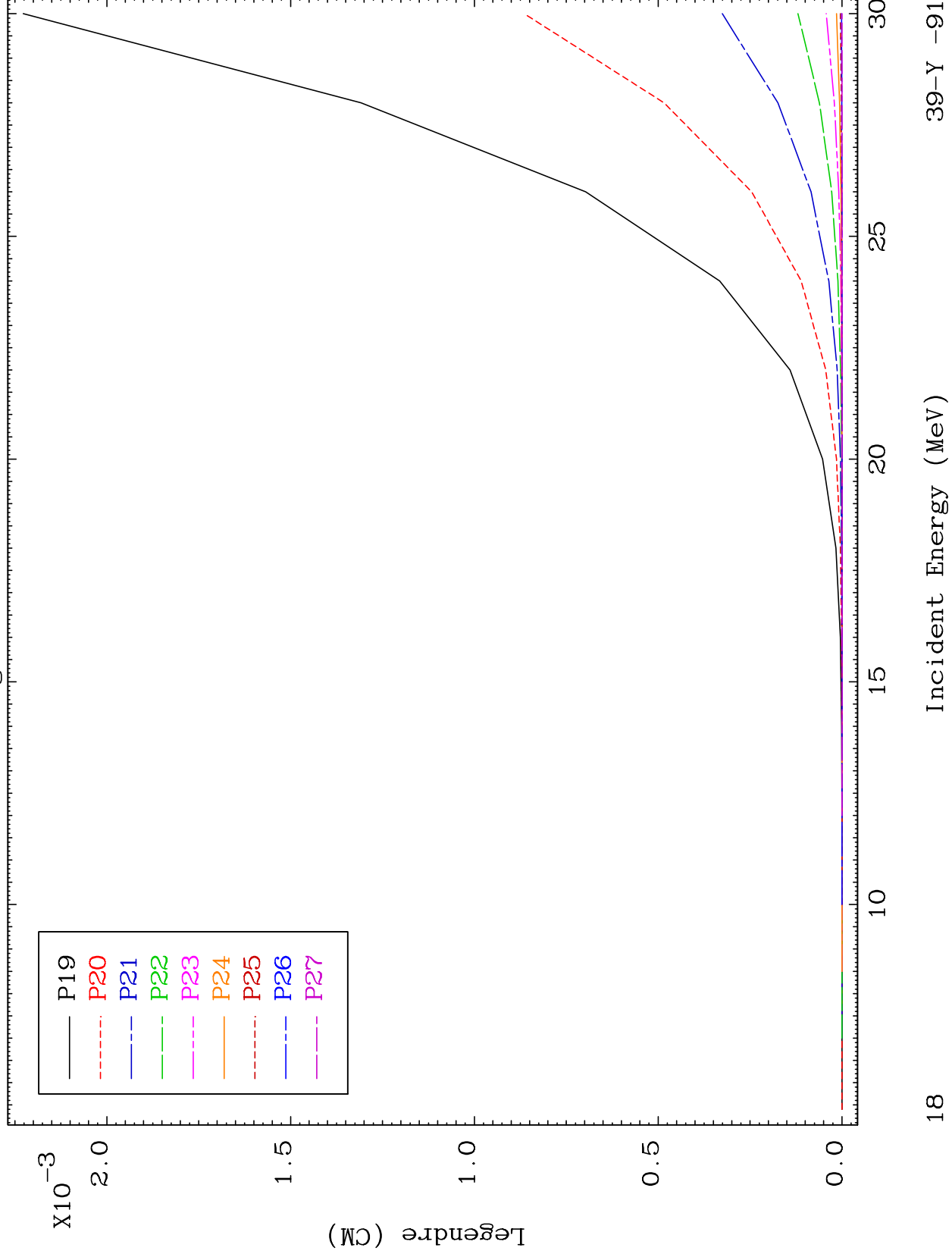
39-Y -91



MAT 3931

Elastic Legendre Coefficients

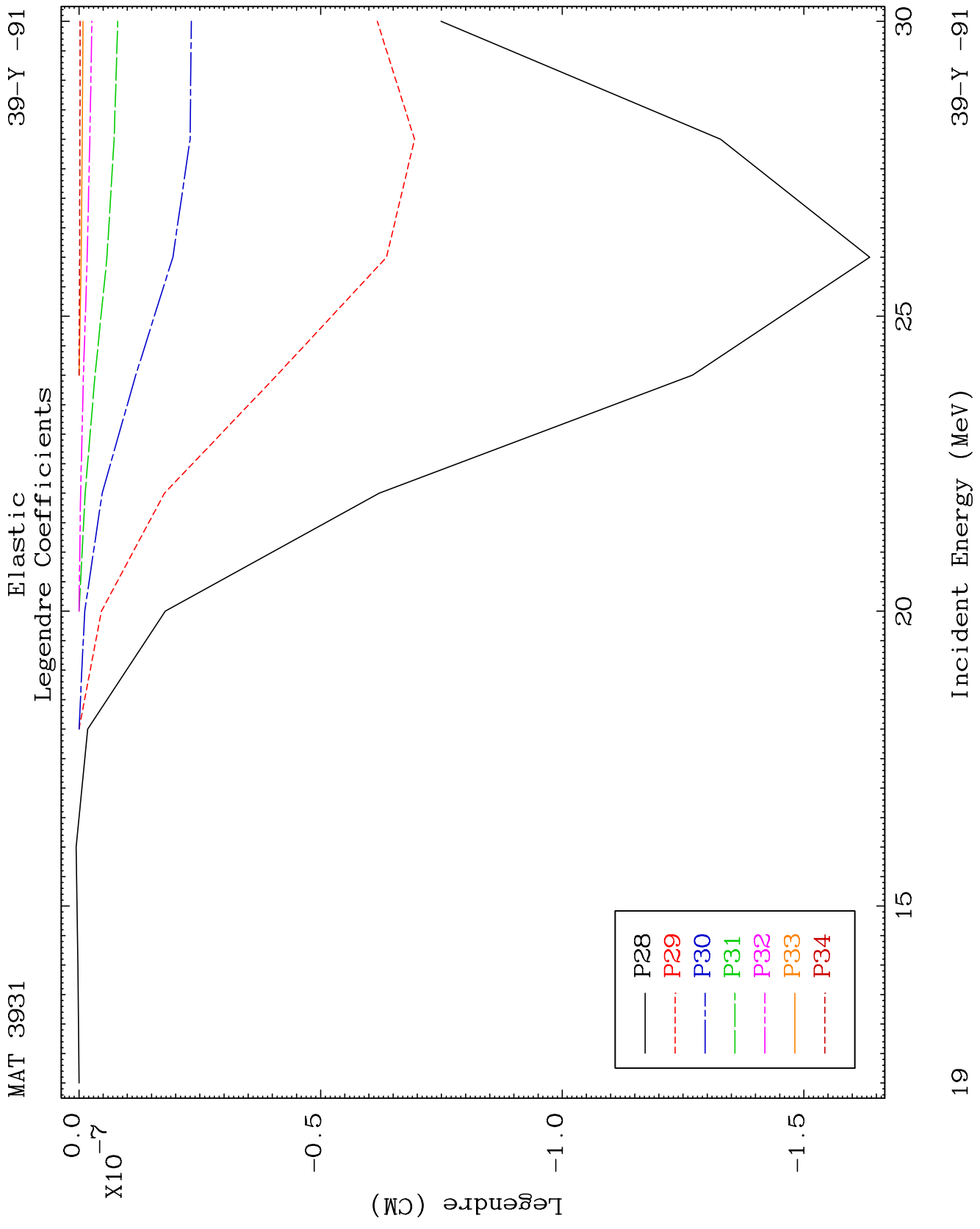
39-Y -91



18

Incident Energy (MeV)

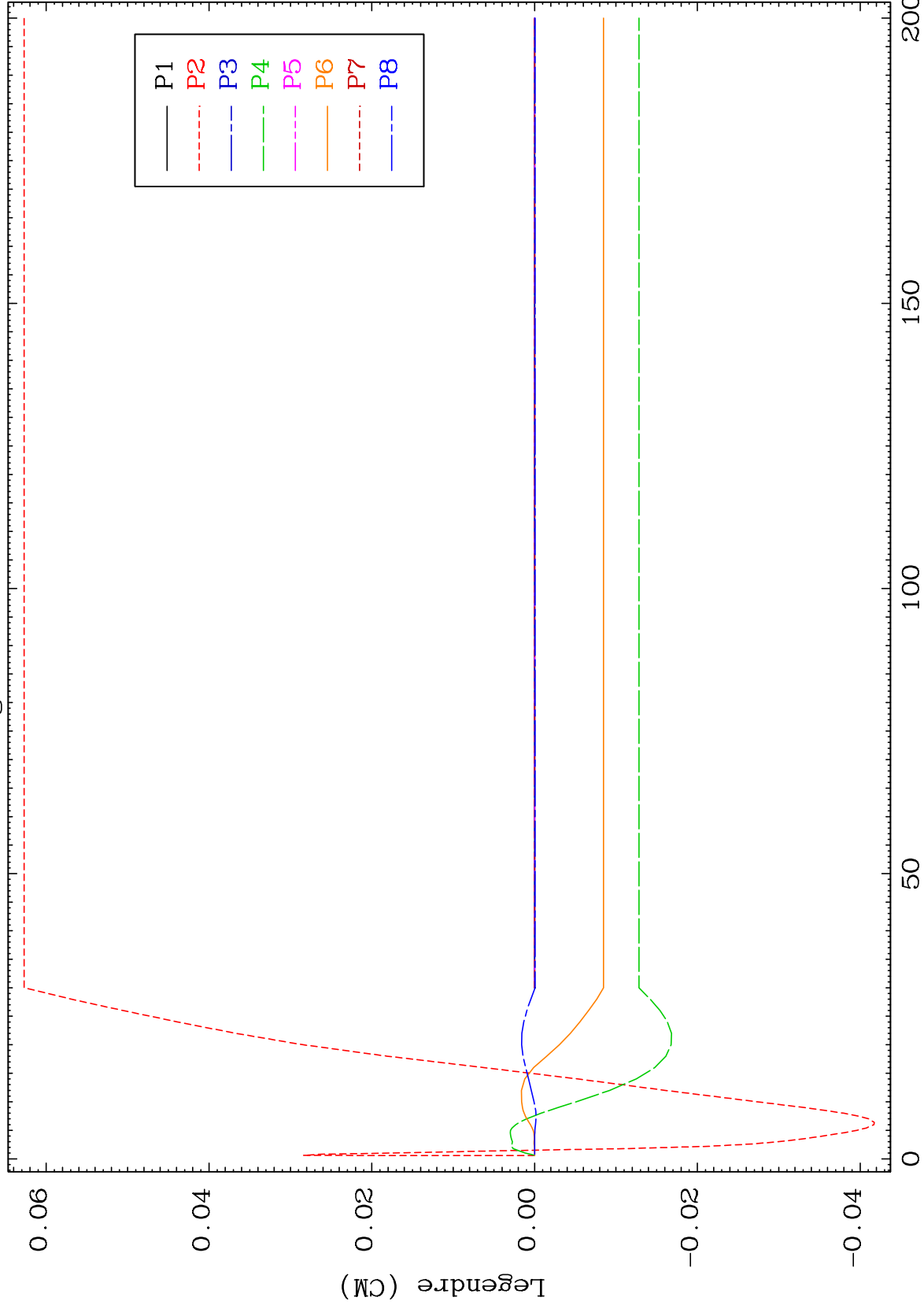
39-Y -91



MAT 3931

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

39-Y -91



39-Y -91

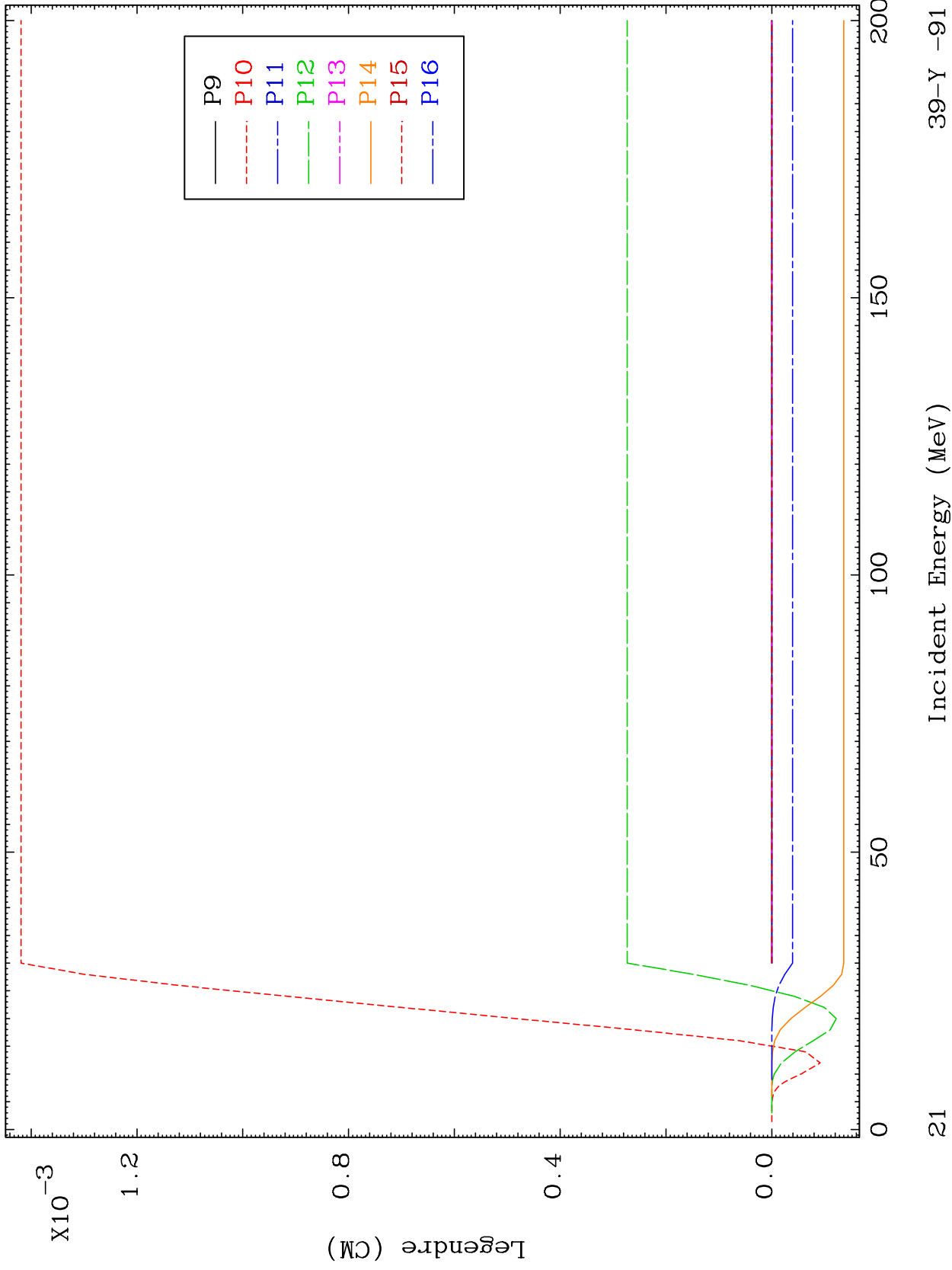
Incident Energy (MeV)

20

MAT 3931

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

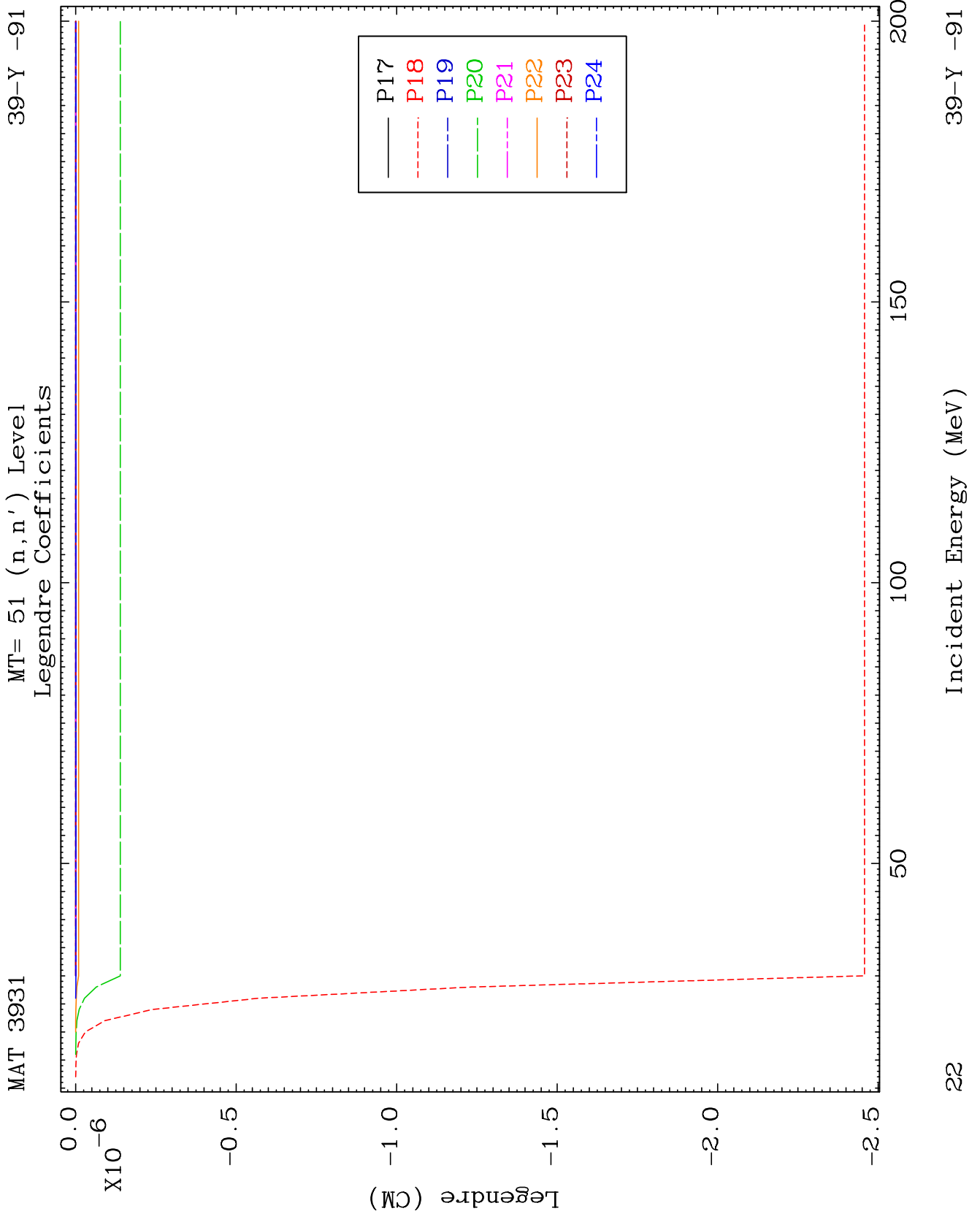
39-Y -91

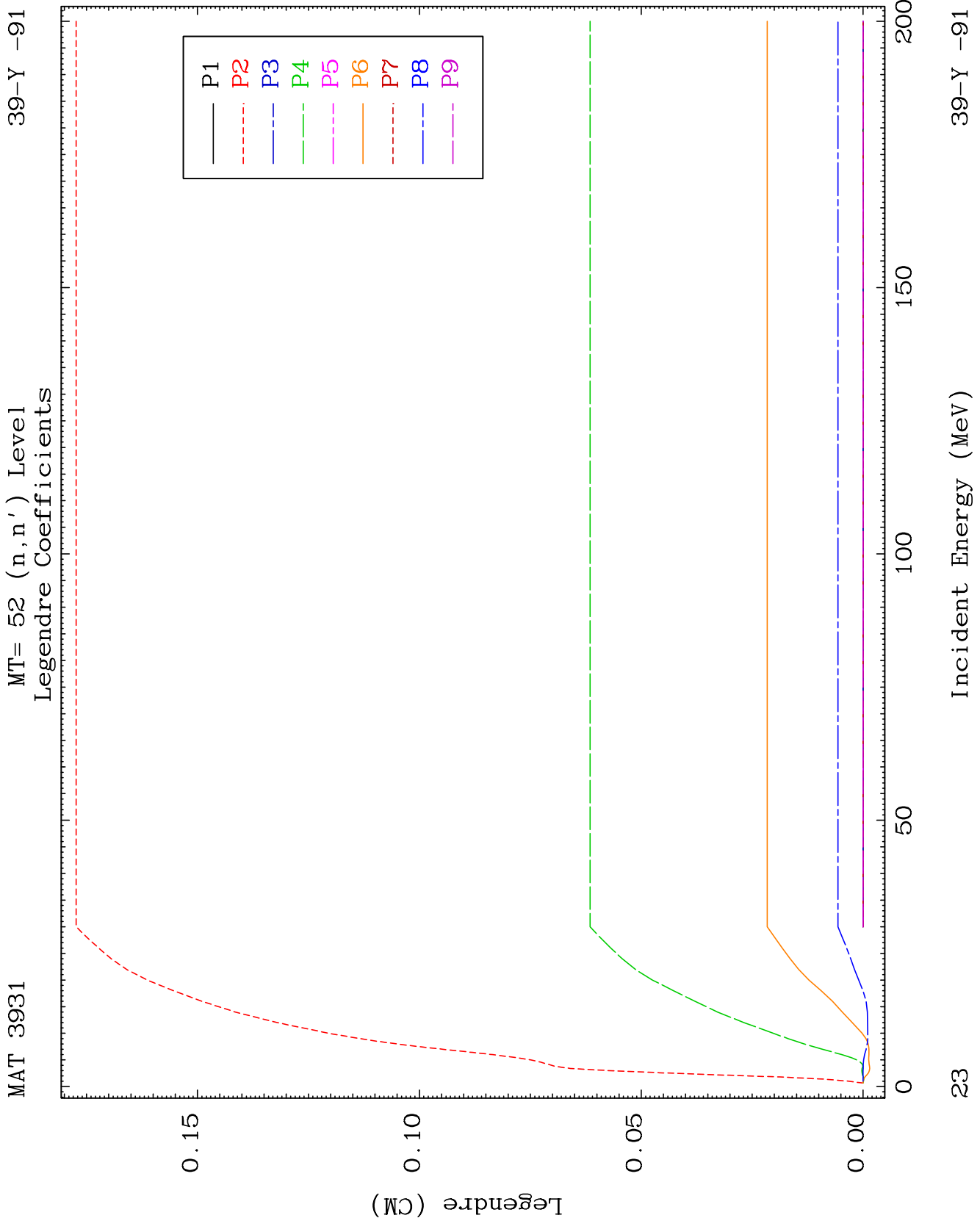


21

Incident Energy (MeV)

39-Y -91

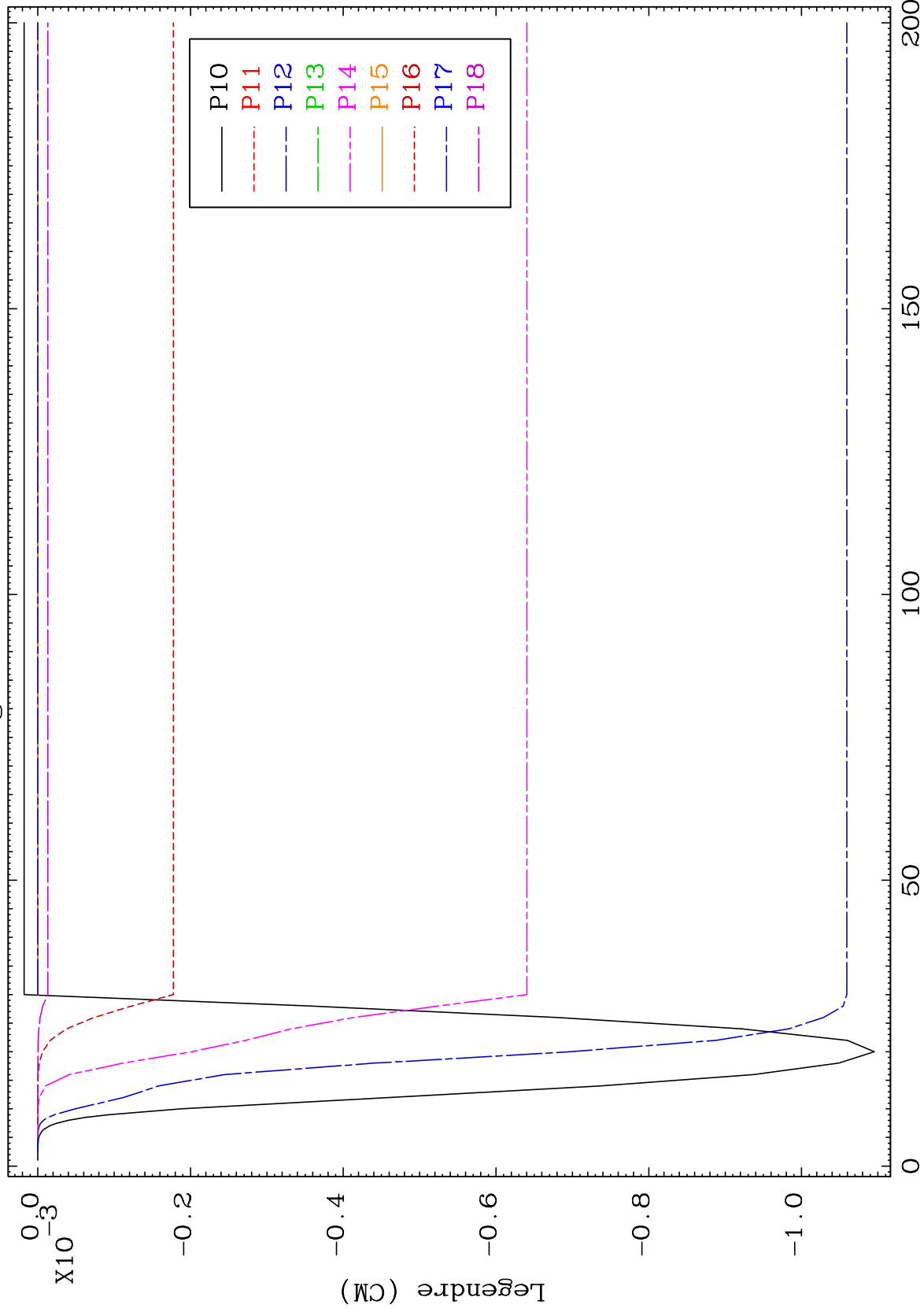




MAT 3931

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

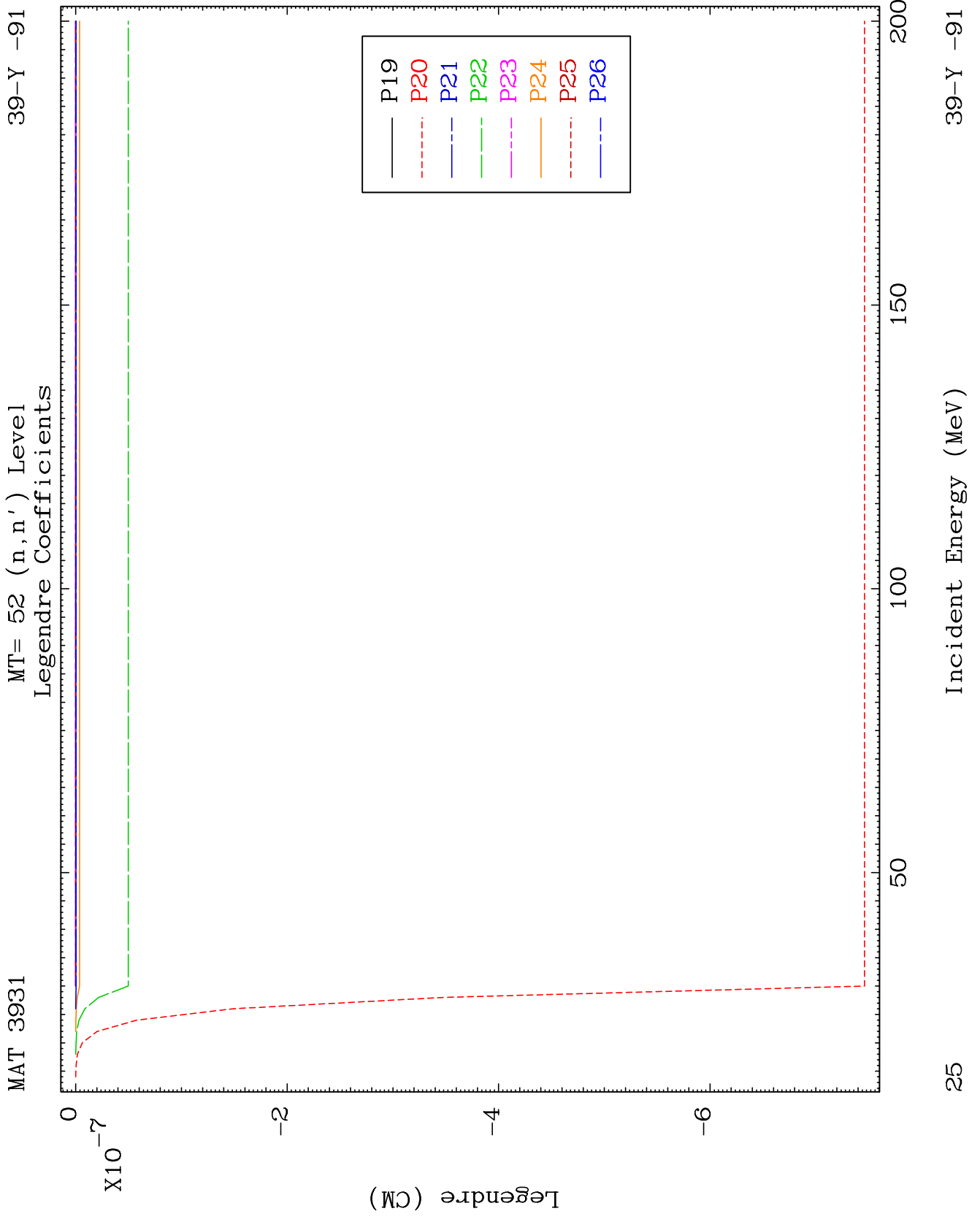
39-Y -91



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Incident Energy (MeV)

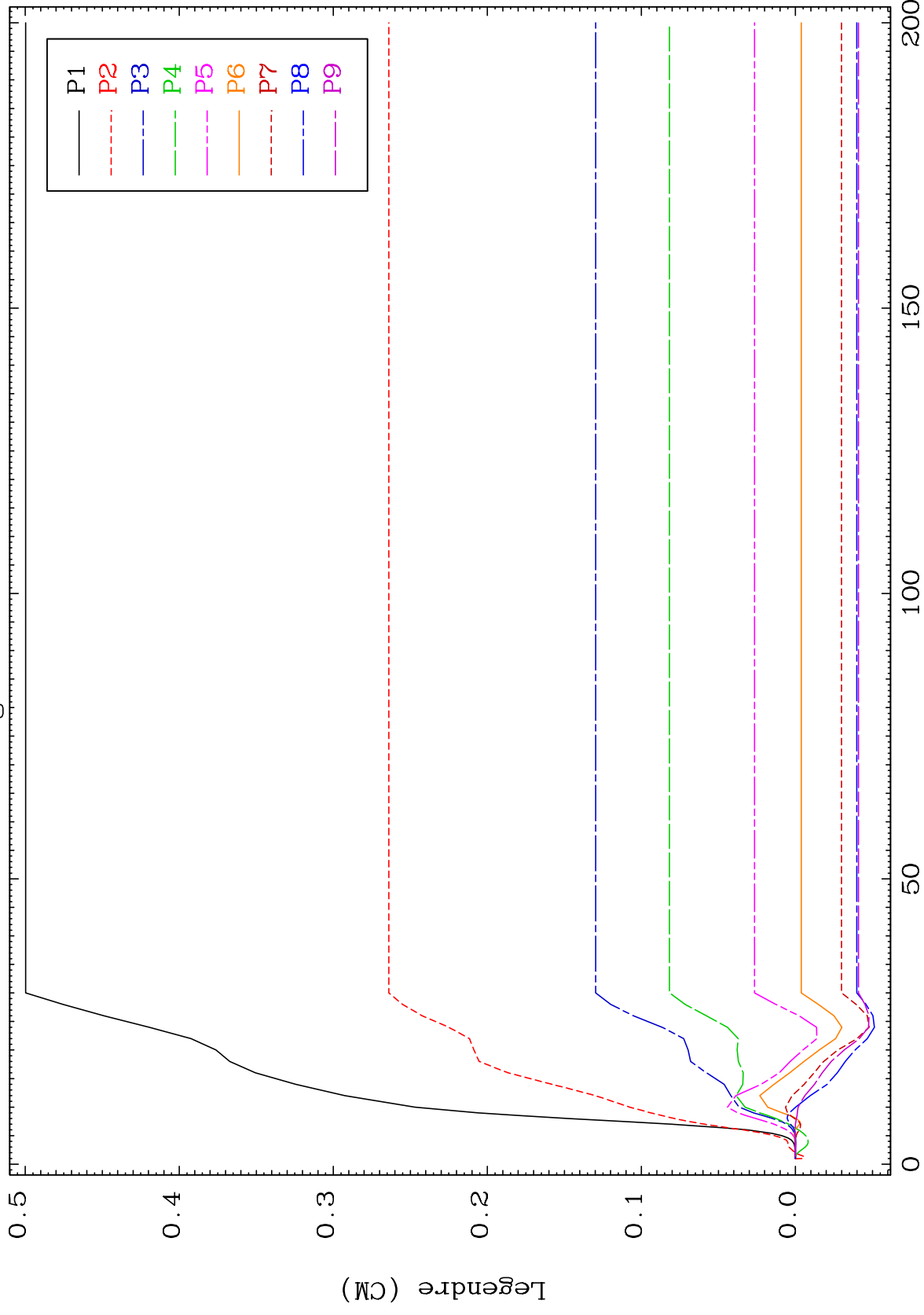
39-Y -91



MAT 3931

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

39-Y -91



26

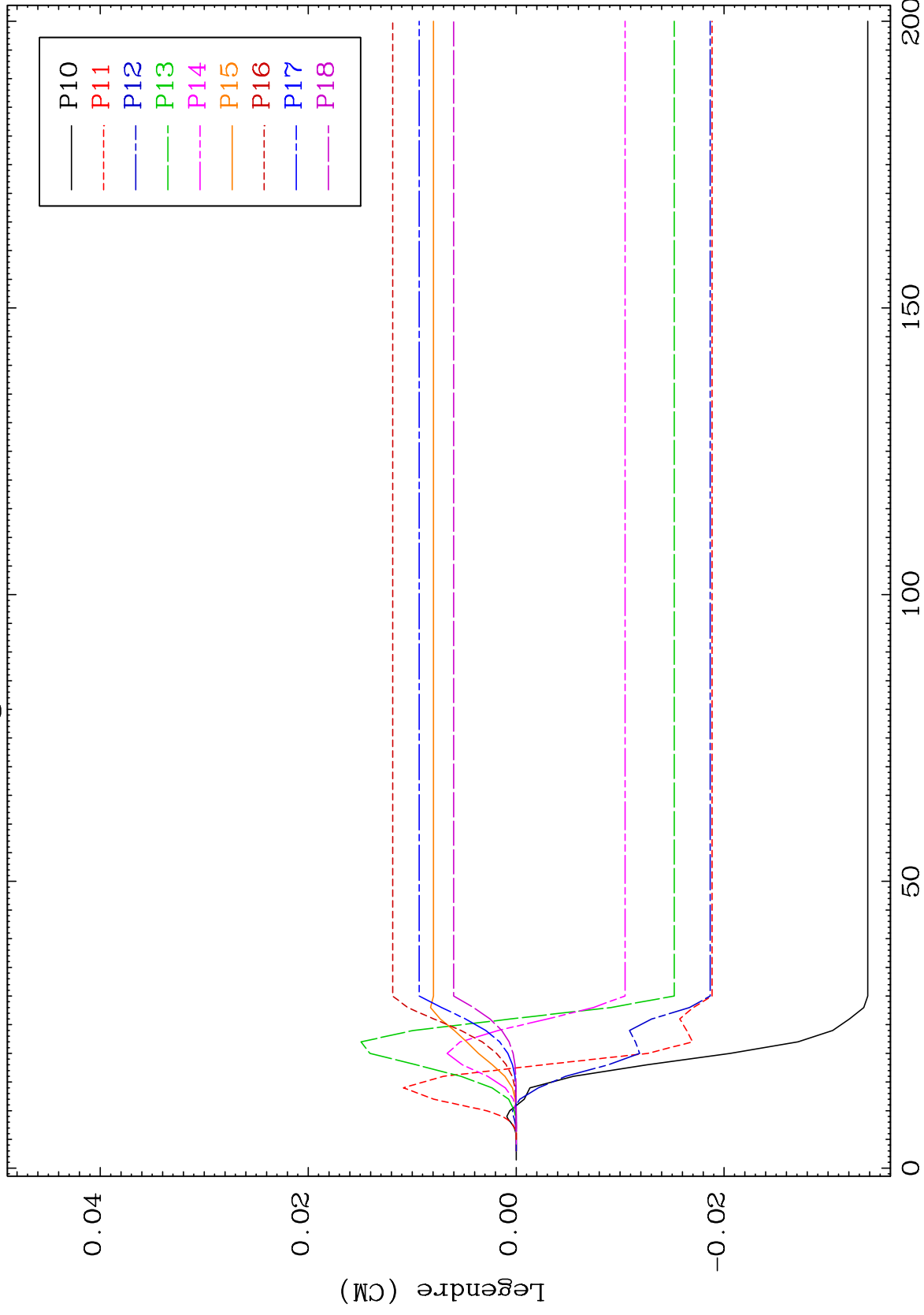
Incident Energy (MeV)

39-Y -91

MAT 3931

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

39-Y -91



27

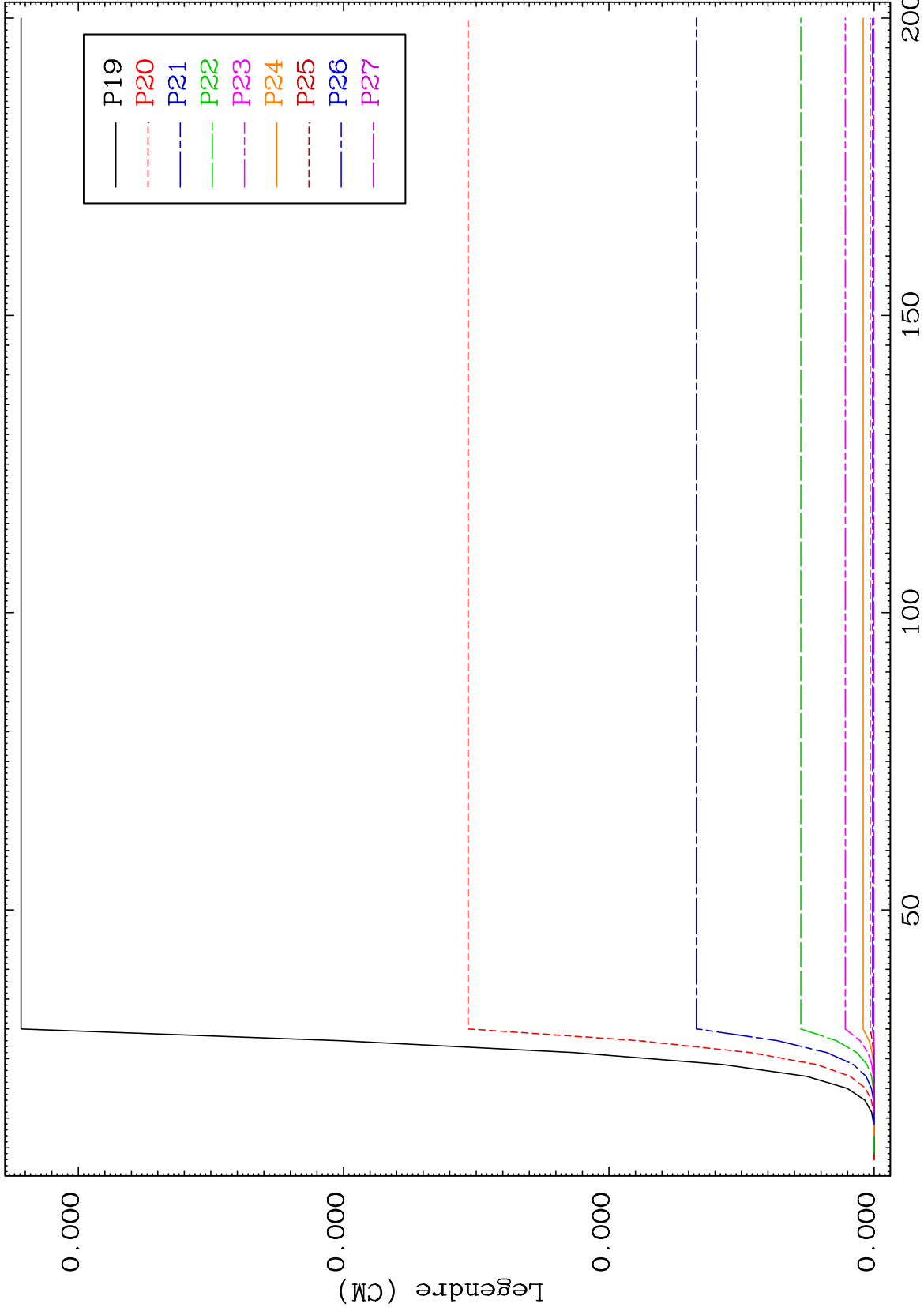
Incident Energy (MeV)

39-Y -91

MAT 3931

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

39-Y -91



28

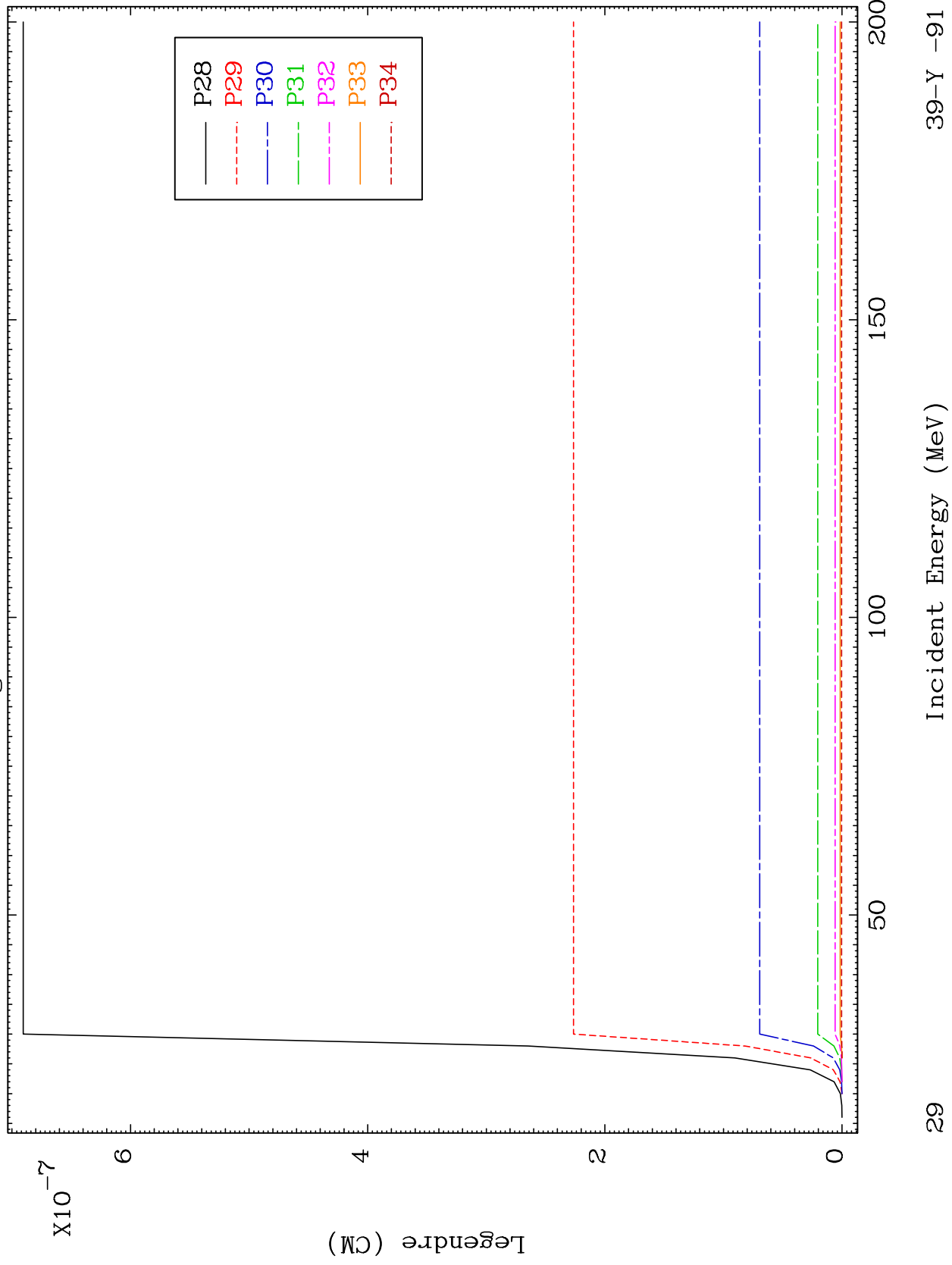
Incident Energy (MeV)

39-Y -91

MAT 3931

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

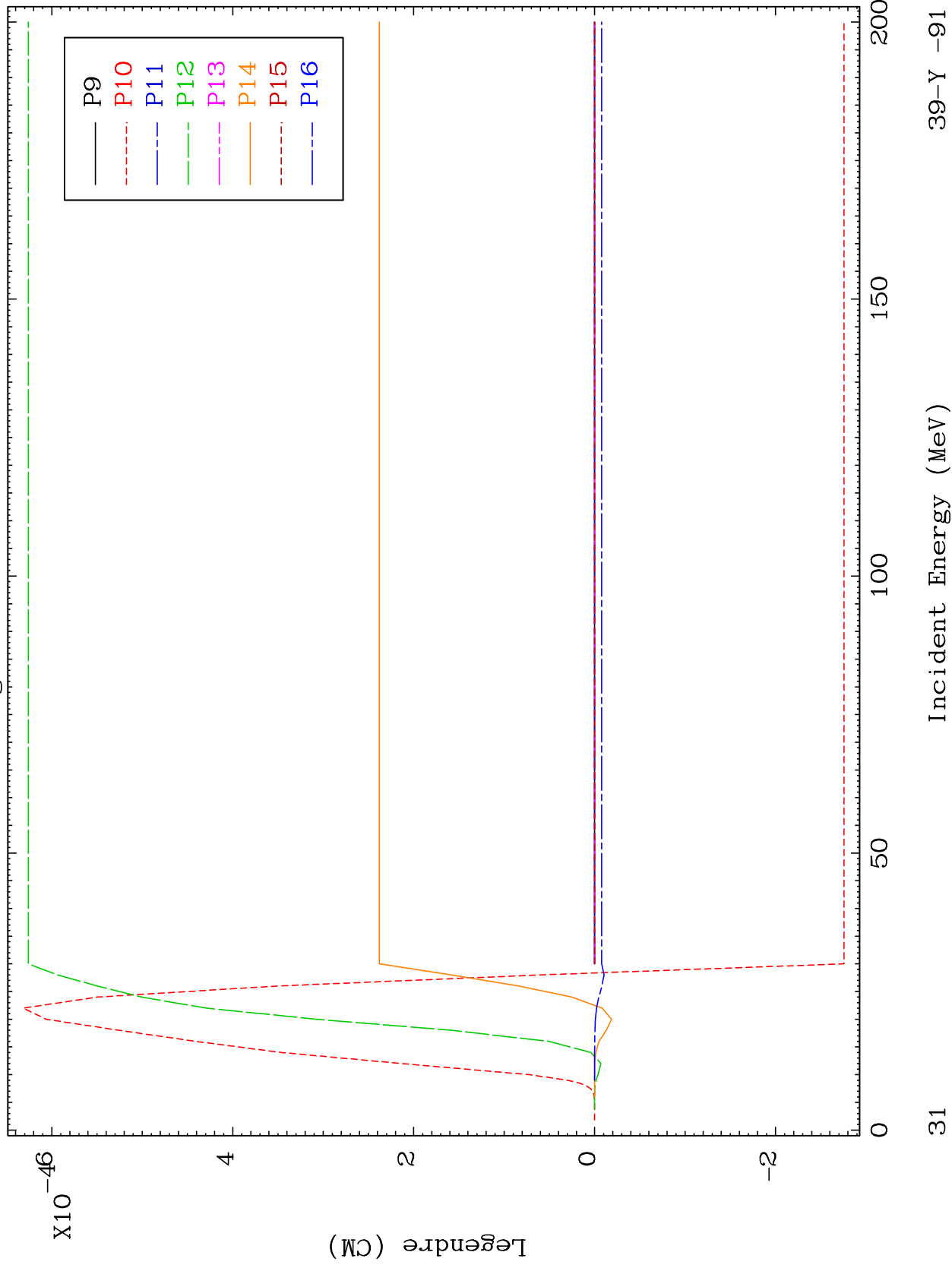
39-Y -91



MAT 3931

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

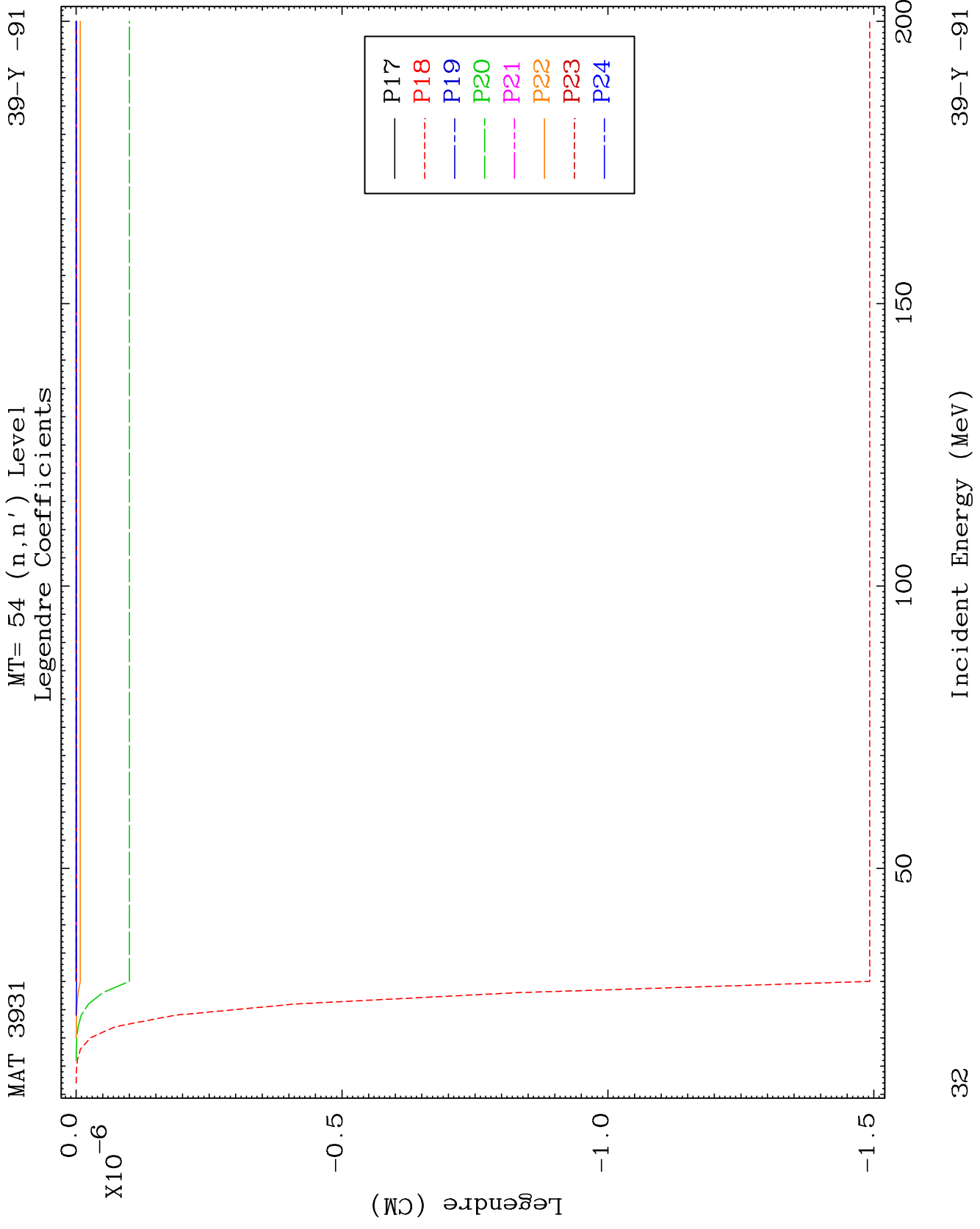
39-Y -91



31

Incident Energy (MeV)

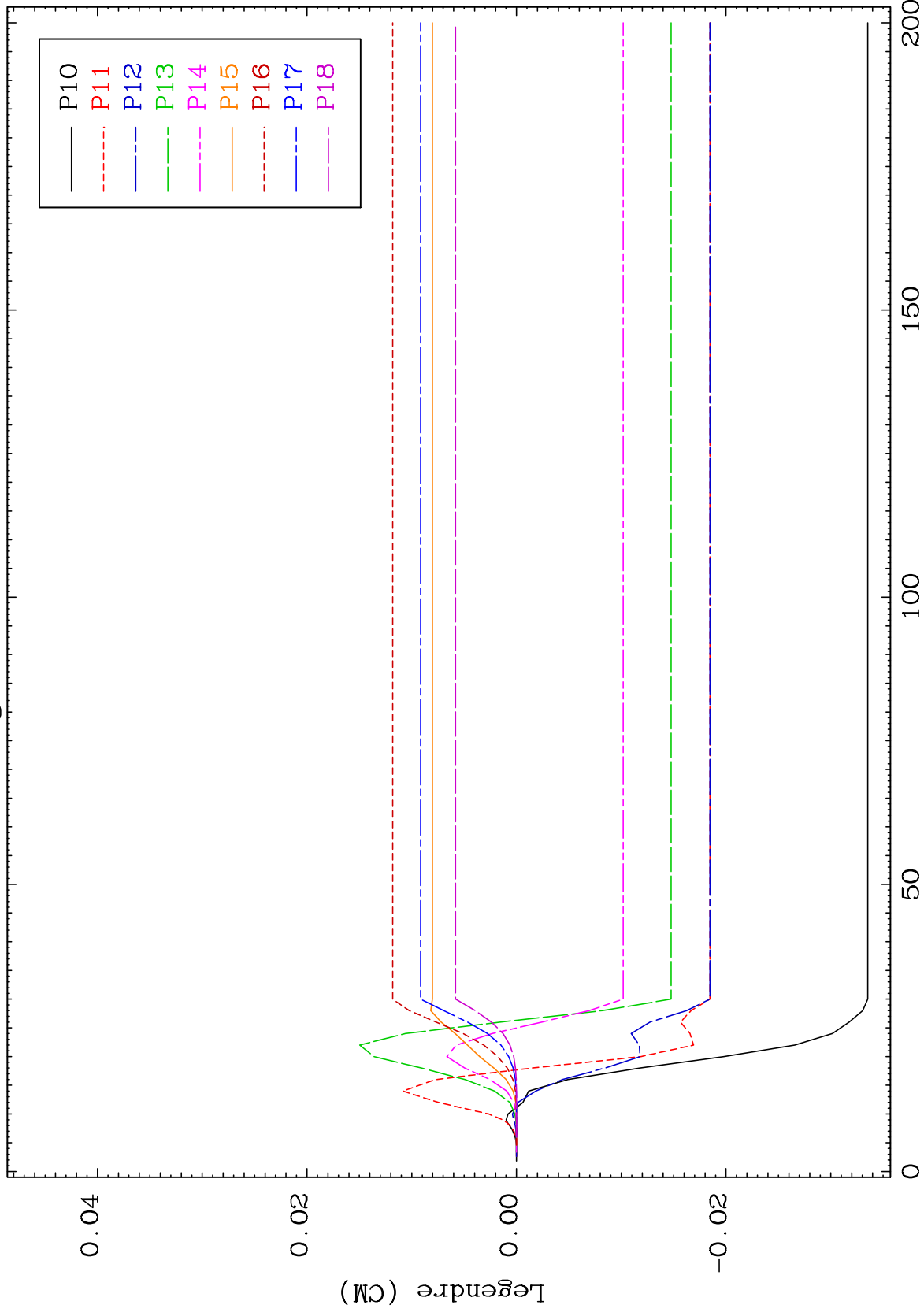
39-Y -91



MAT 3931

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

39-Y -91



34

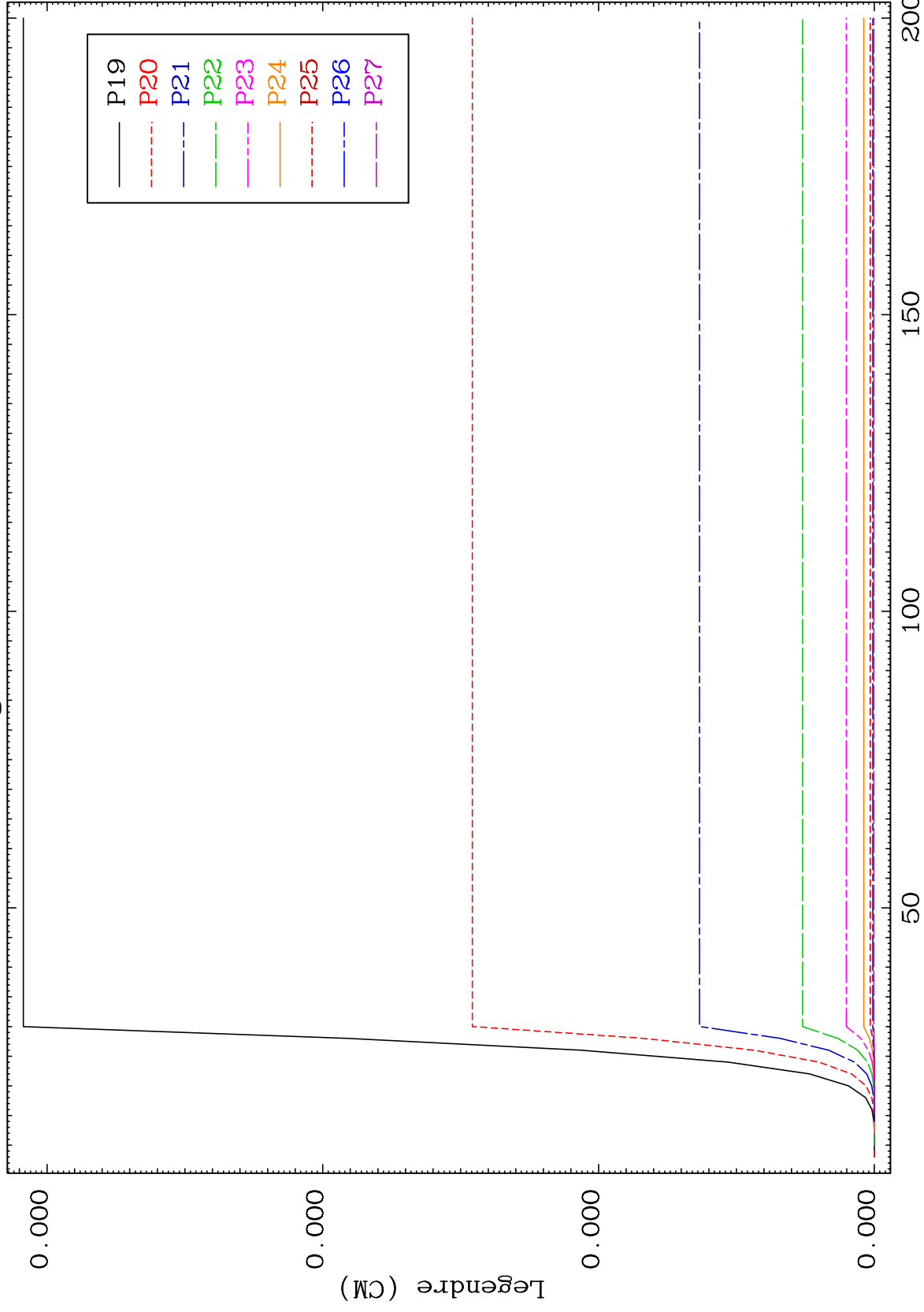
Incident Energy (MeV)

39-Y -91

MAT 3931

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

39-Y -91



35

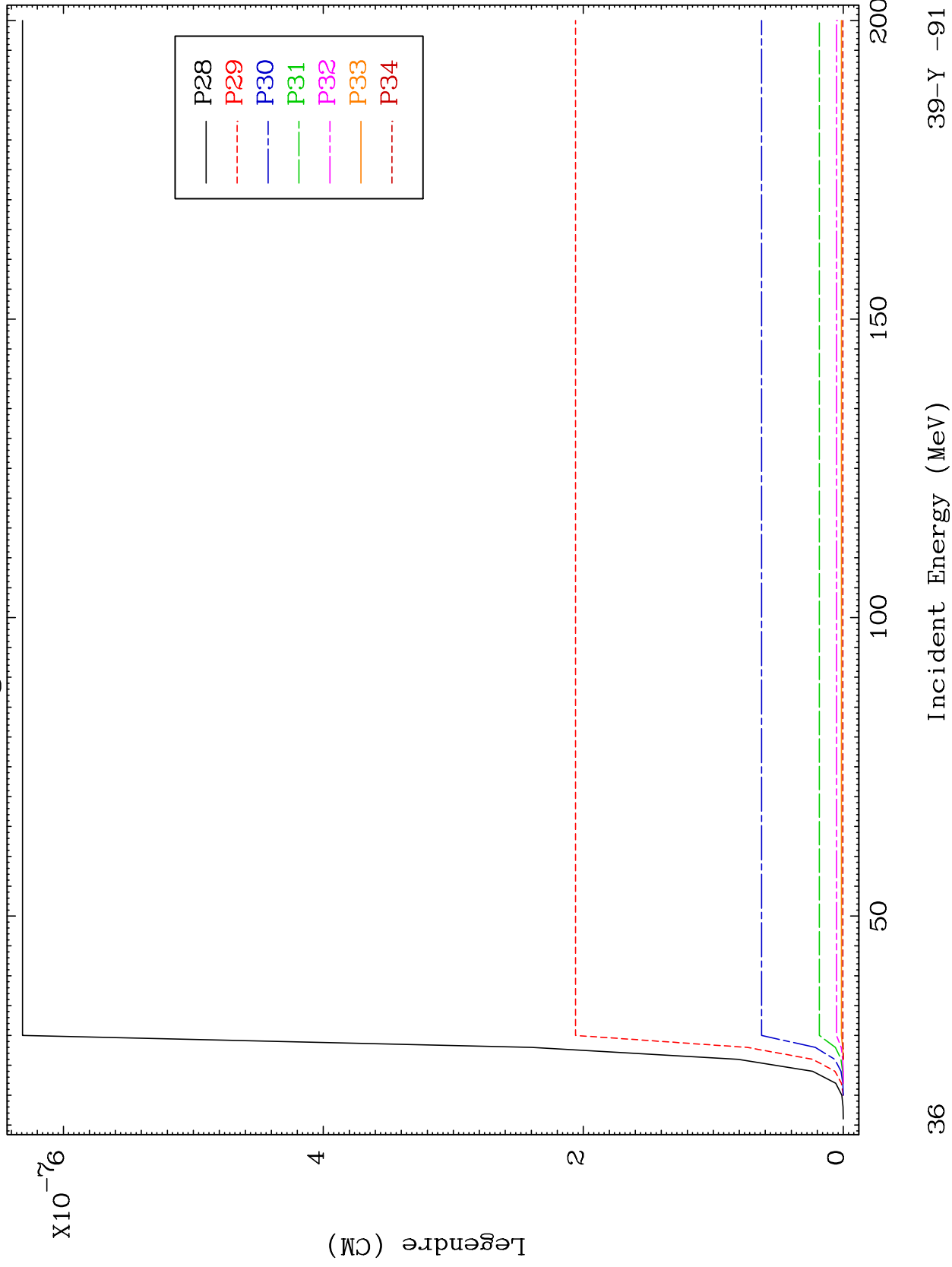
Incident Energy (MeV)

39-Y -91

MAT 3931

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

39-Y -91



36

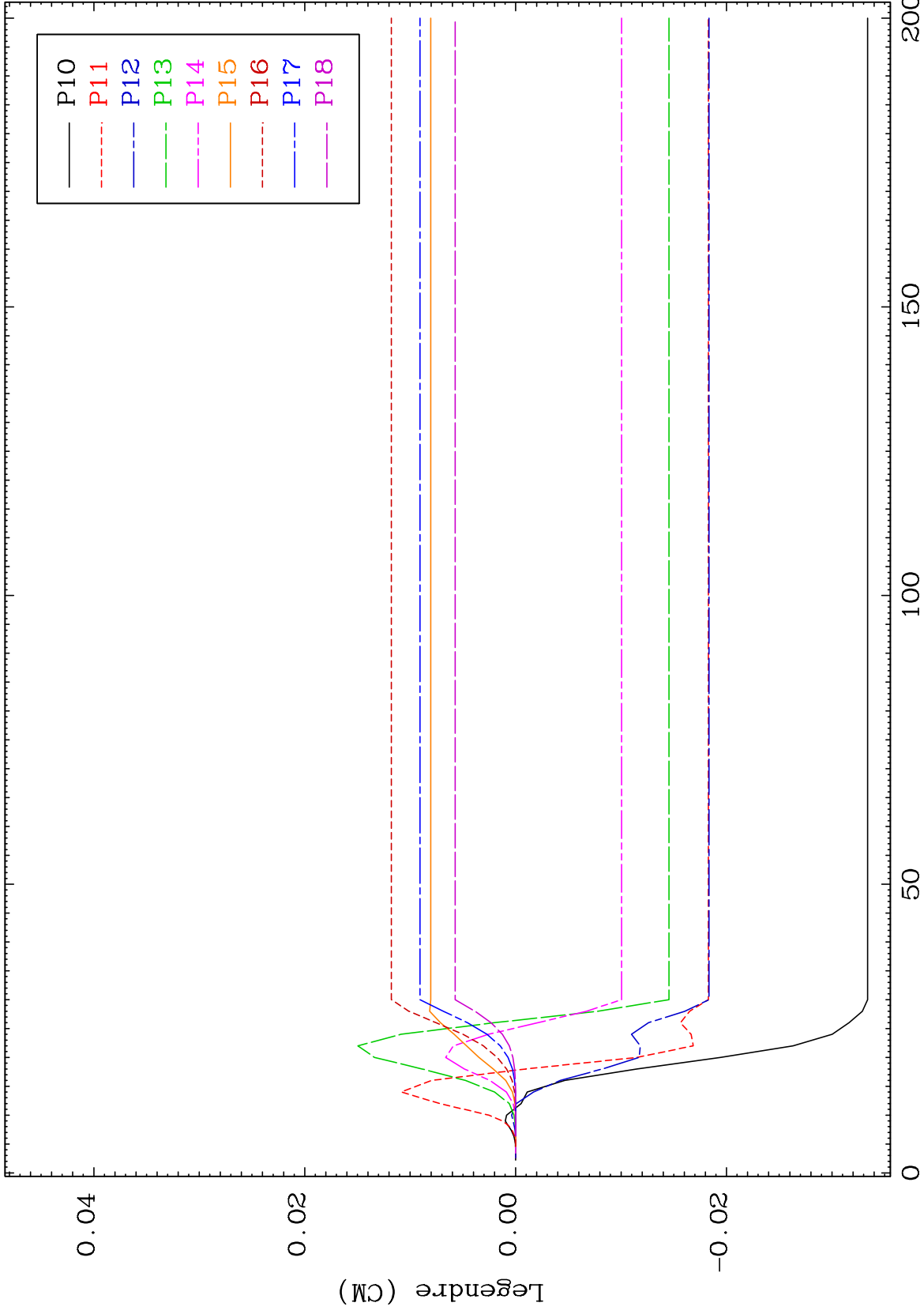
Incident Energy (MeV)

39-Y -91

MAT 3931

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

39-Y -91



38

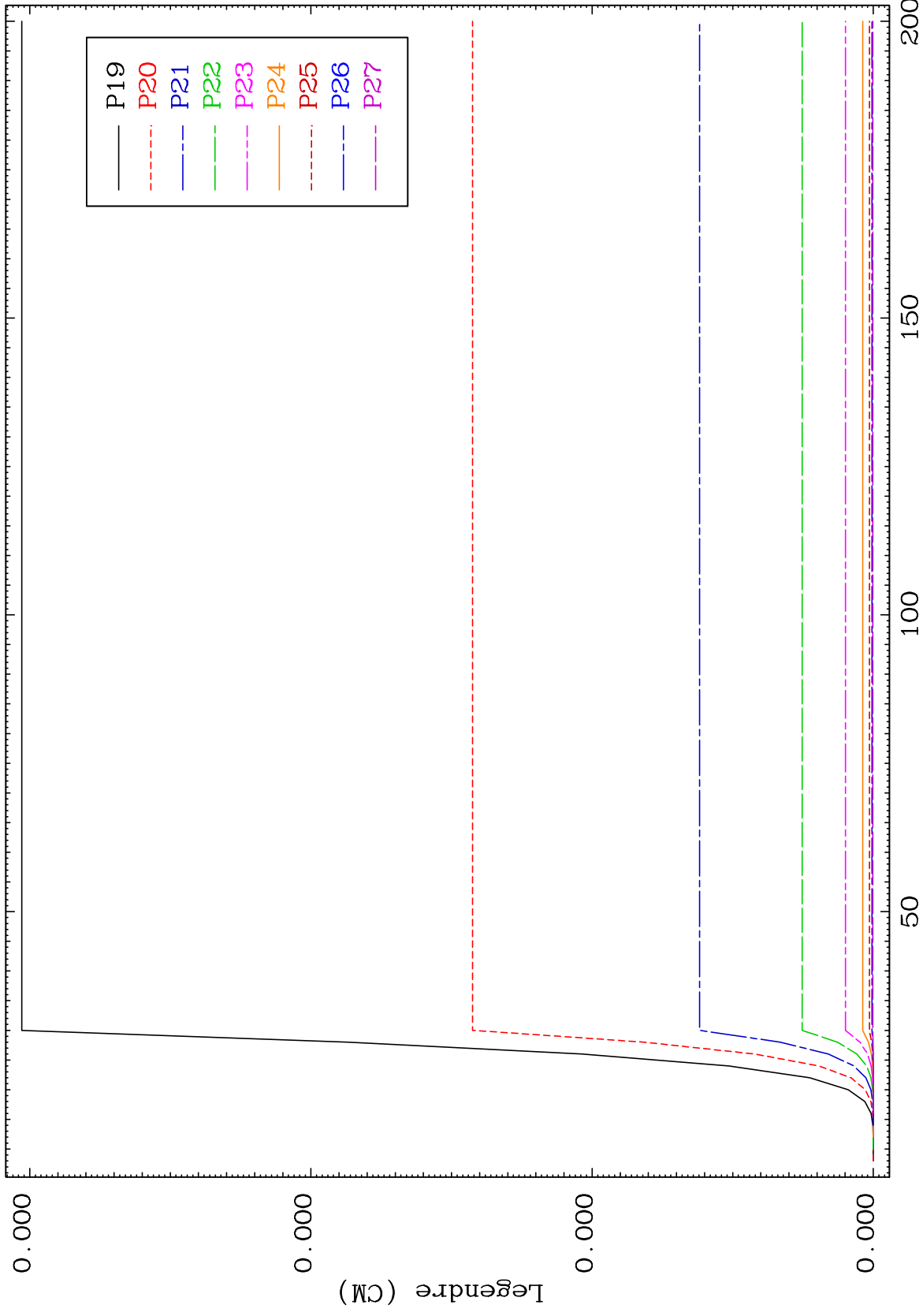
Incident Energy (MeV)

39-Y -91

MAT 3931

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

39-Y -91



39

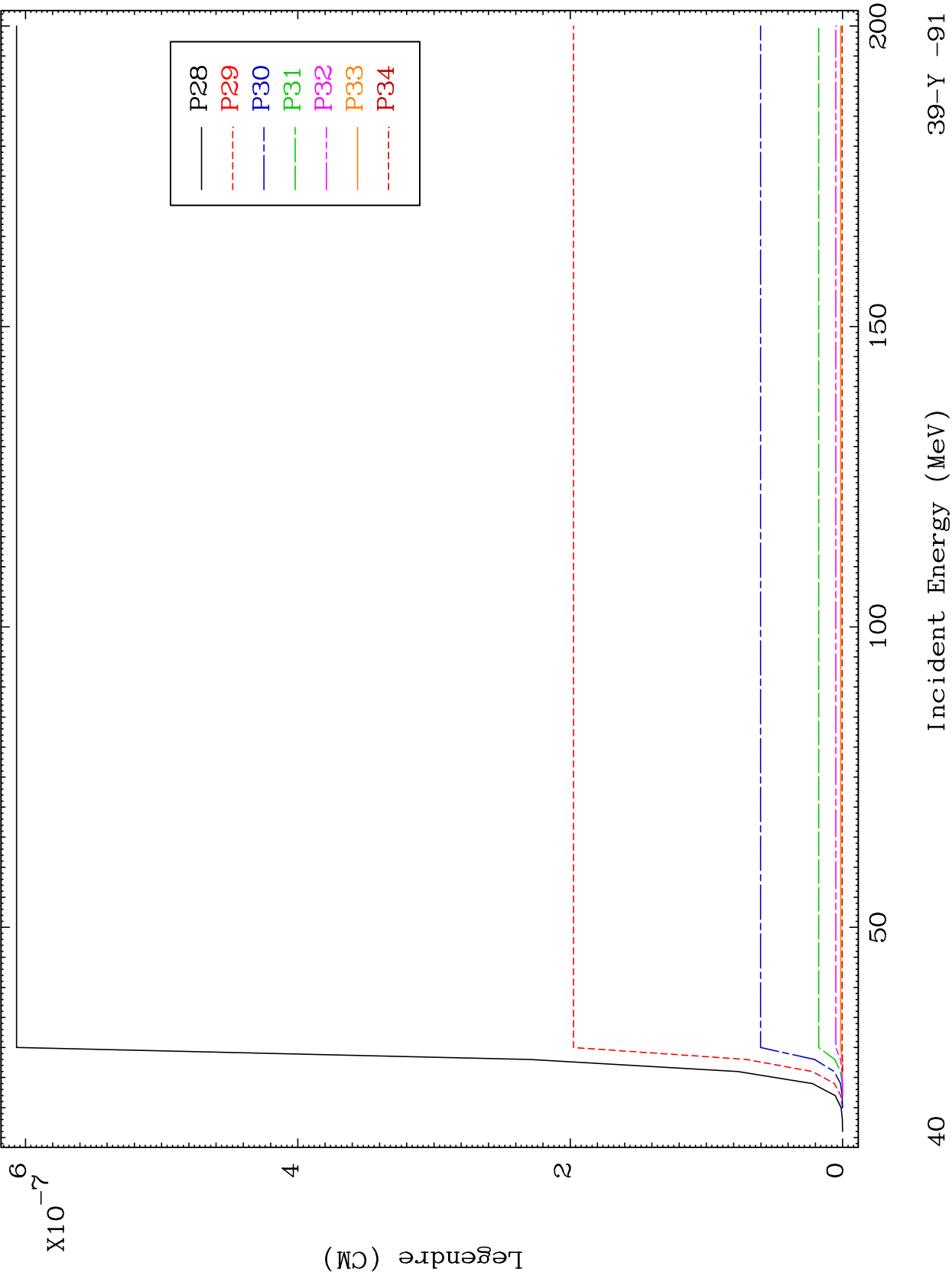
Incident Energy (MeV)

39-Y -91

MAT 3931

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

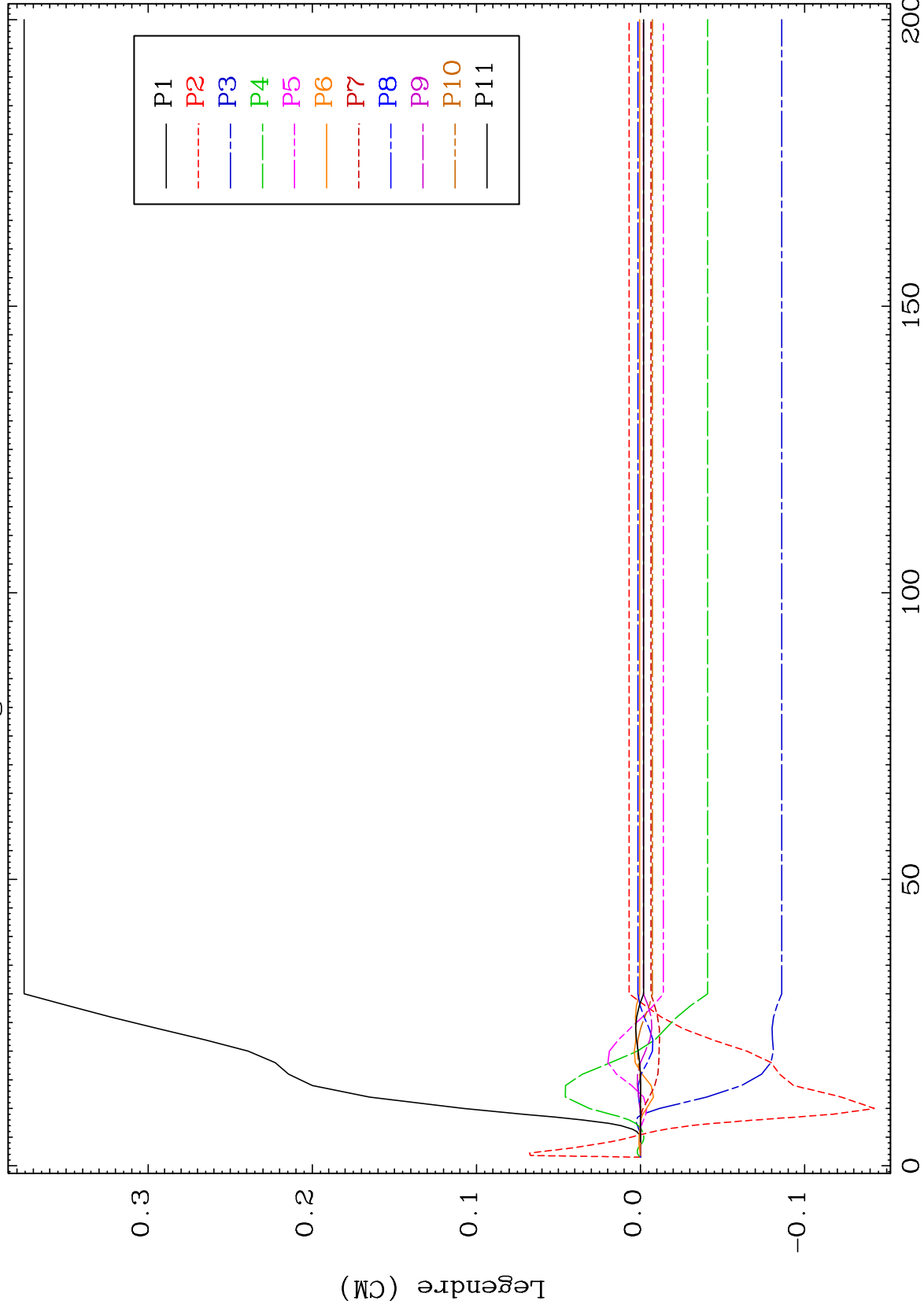
39-Y -91



MAT 3931

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

39-Y -91



41

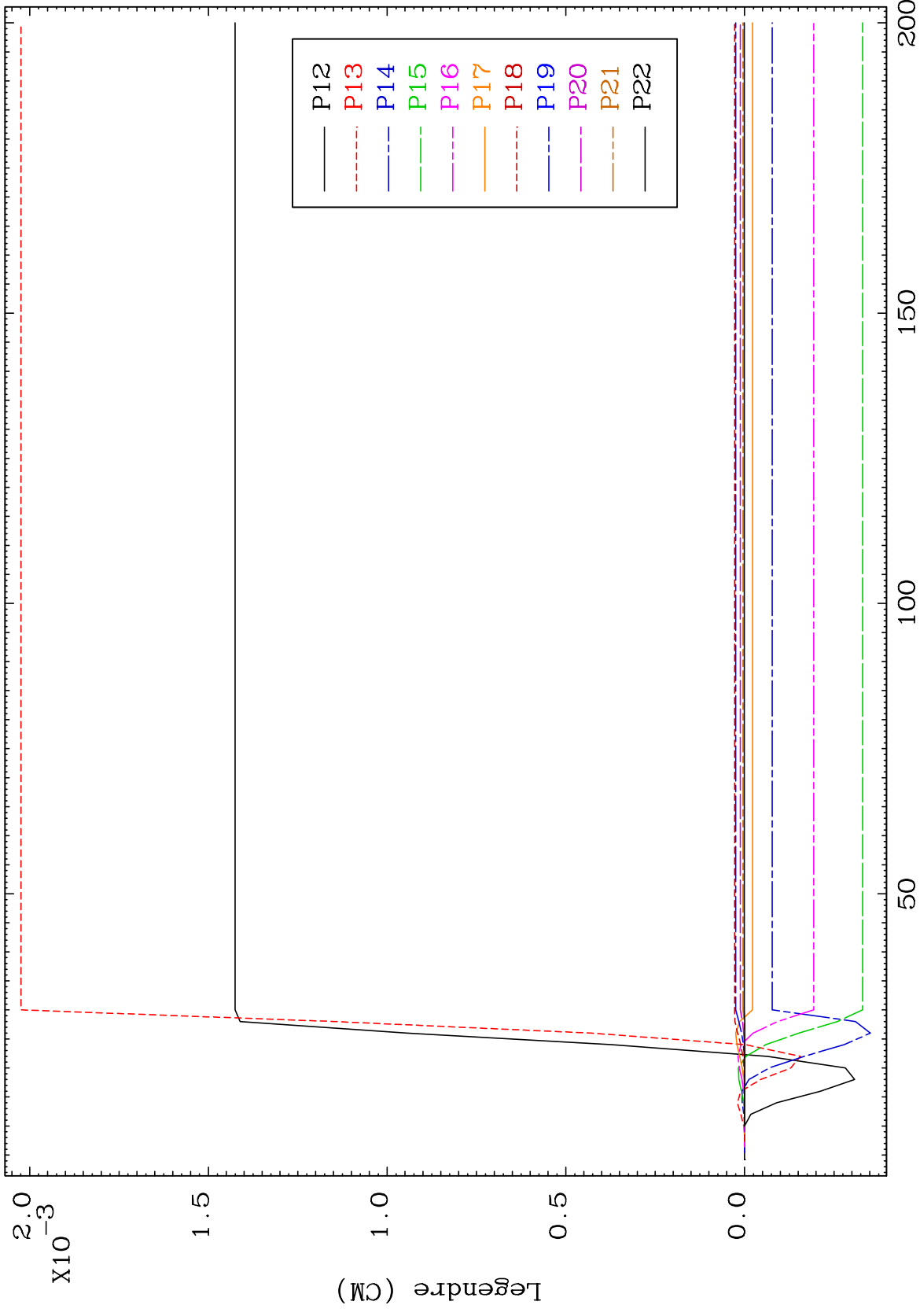
Incident Energy (MeV)

39-Y -91

MAT 3931

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

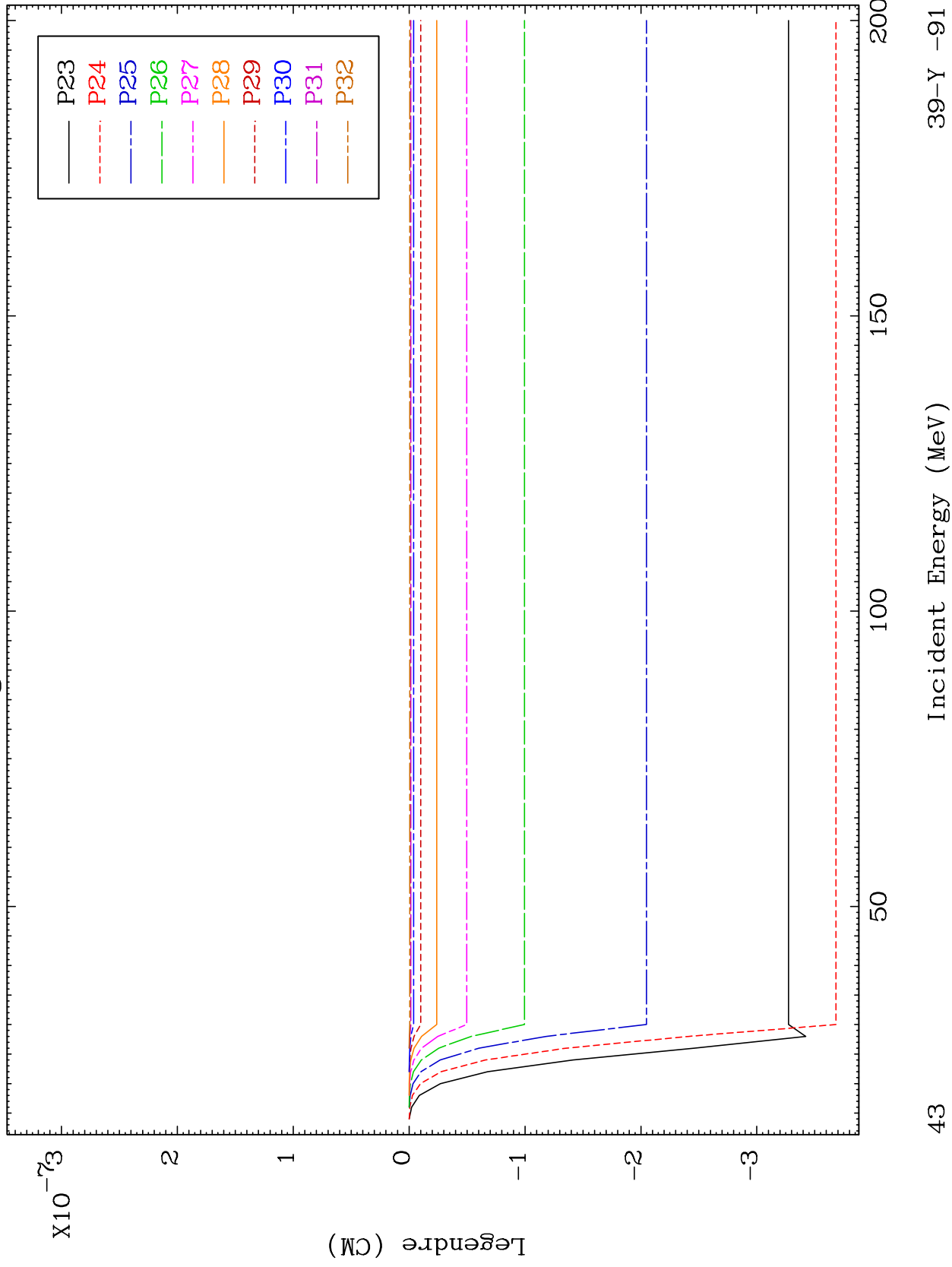
39-Y -91



MAT 3931

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

39-Y -91



43

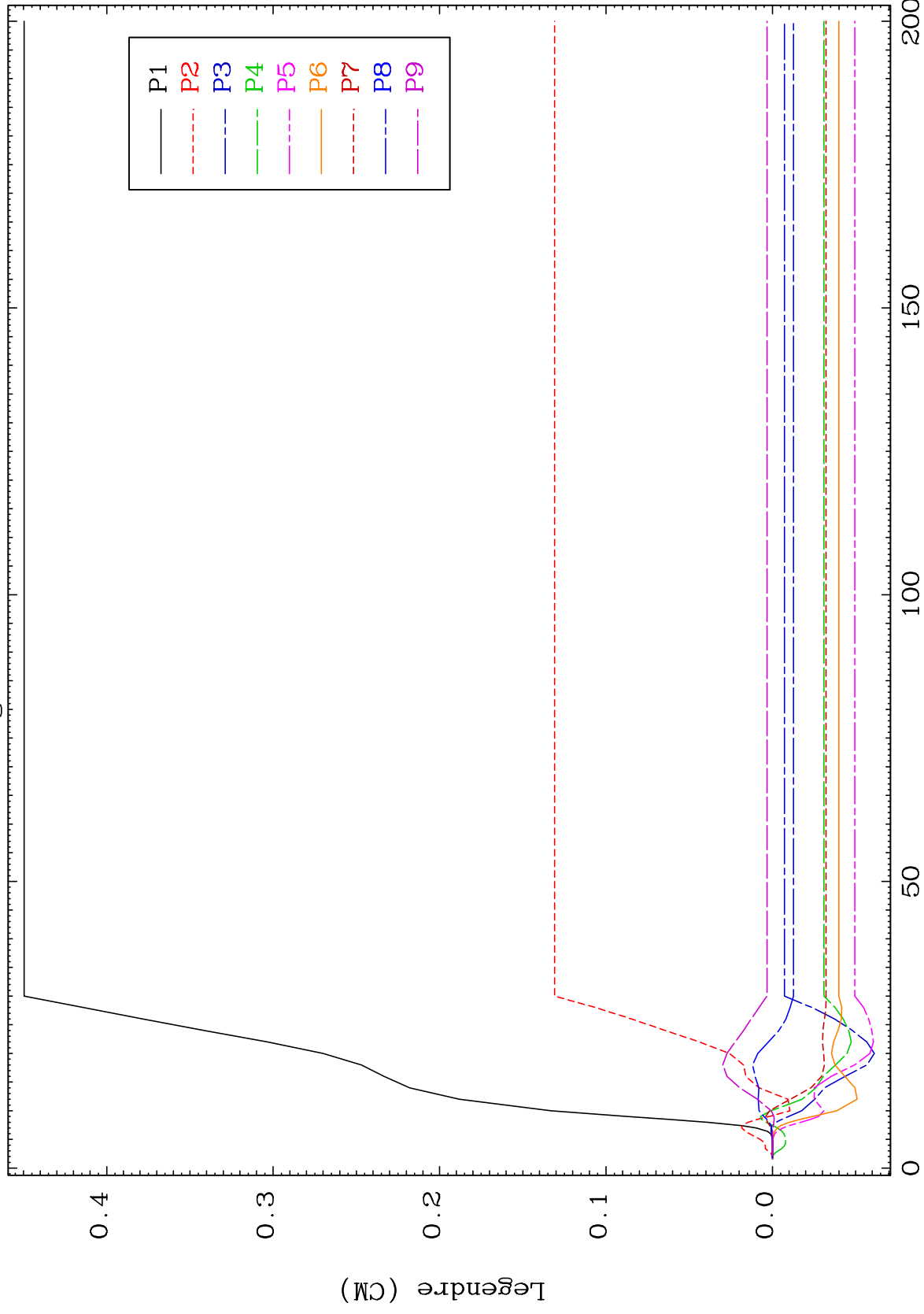
Incident Energy (MeV)

39-Y -91

MAT 3931

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

39-Y -91



44

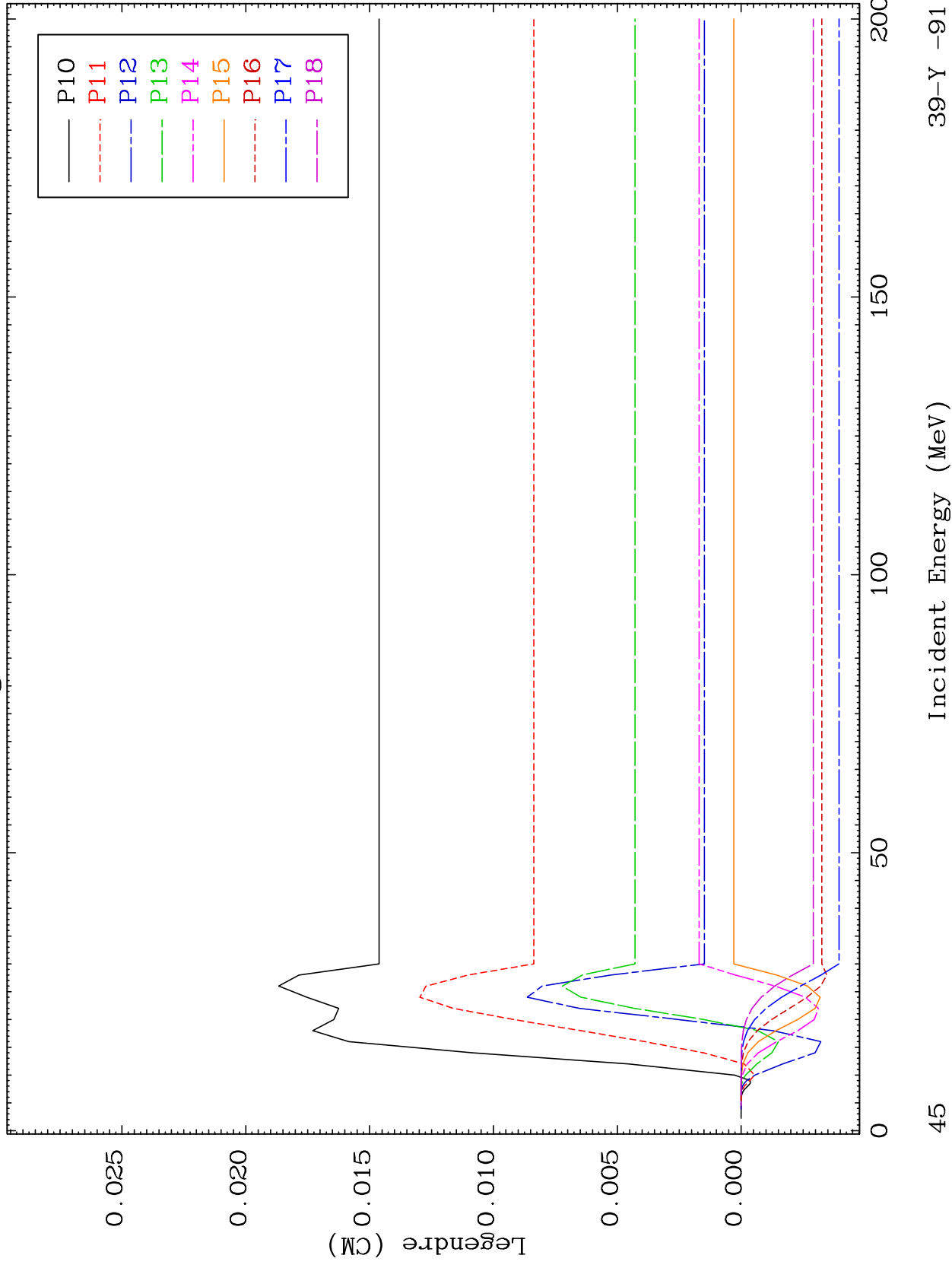
Incident Energy (MeV)

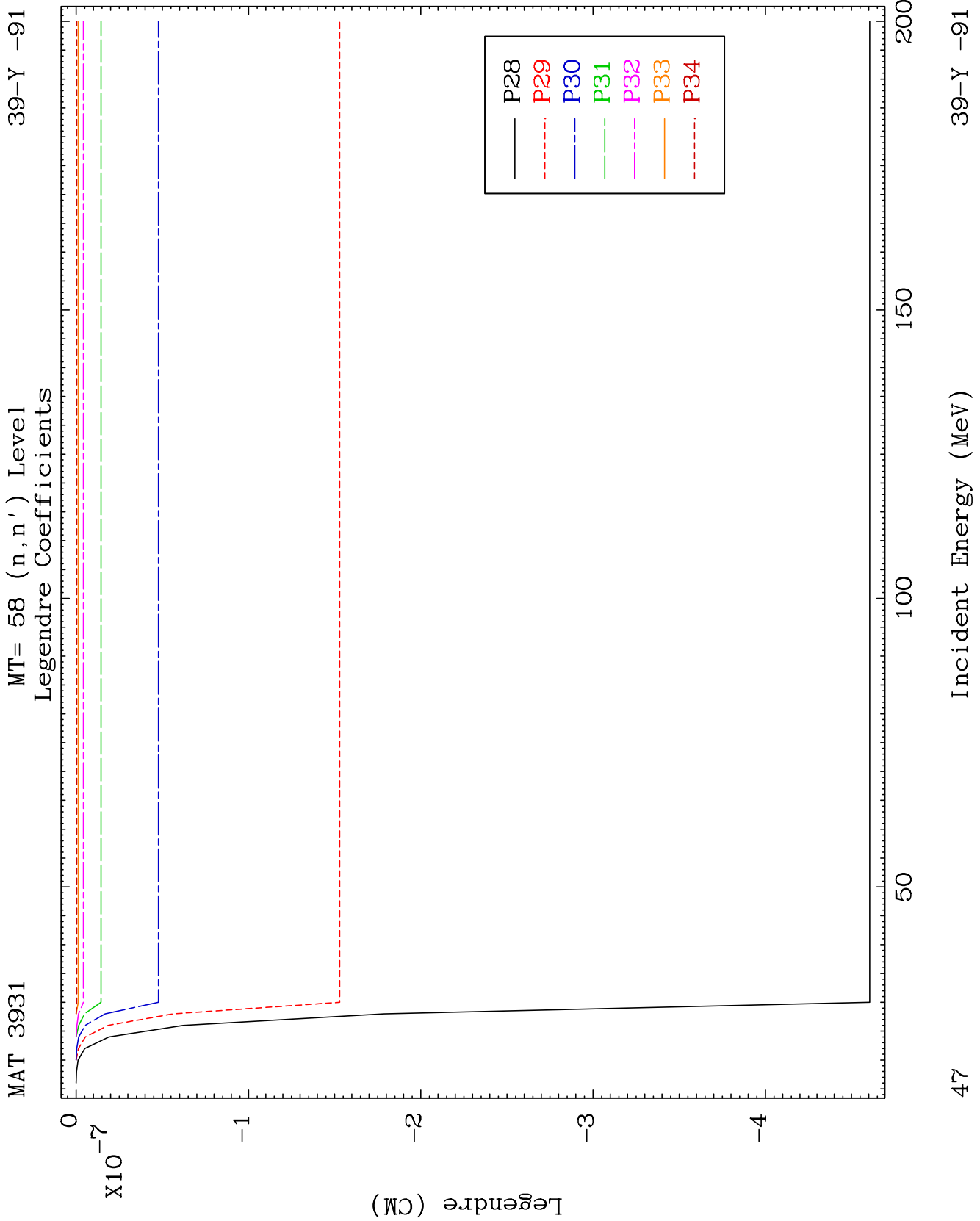
39-Y -91

MAT 3931

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

39-Y -91

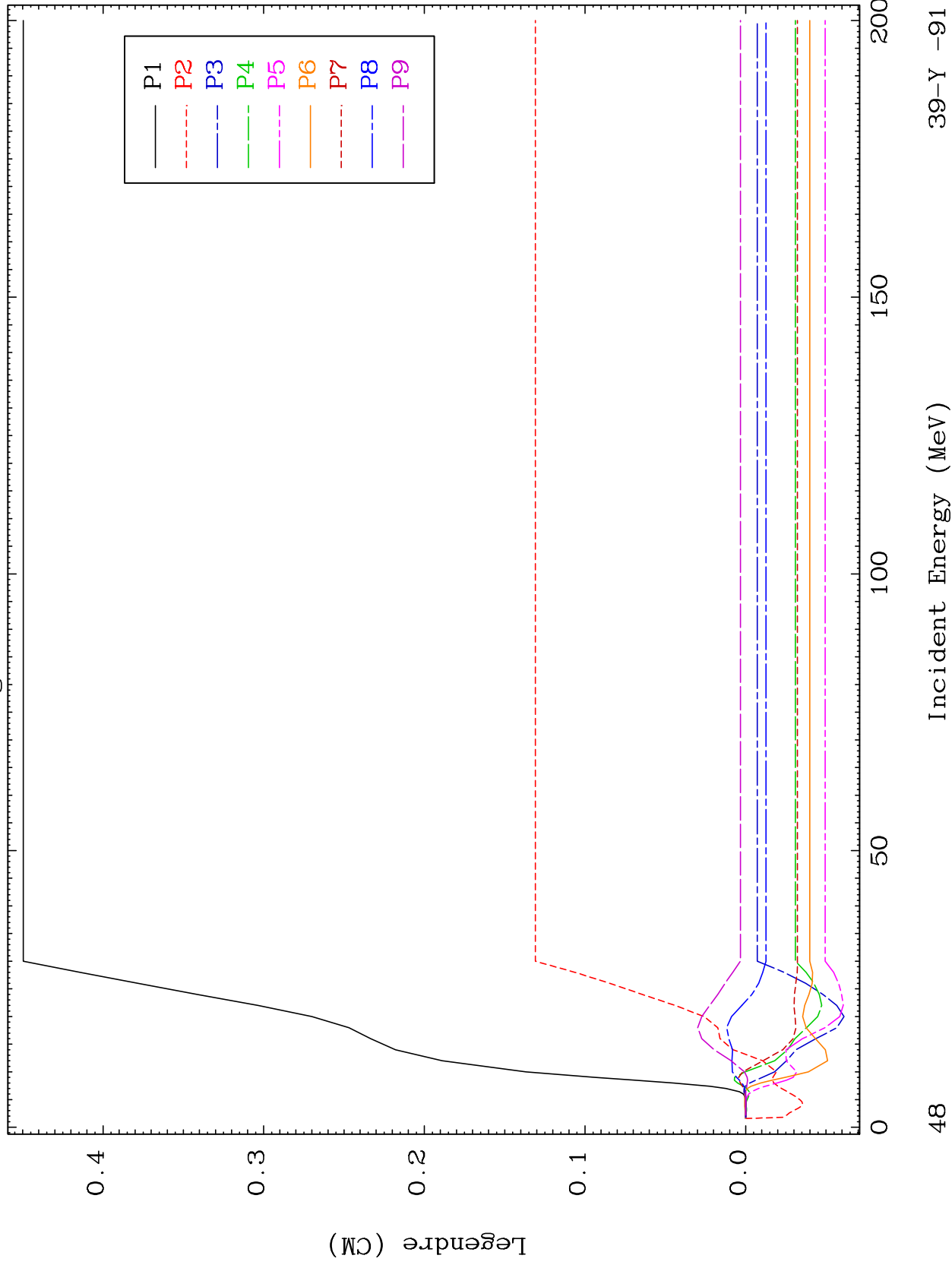




MAT 3931

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

39-Y -91



48

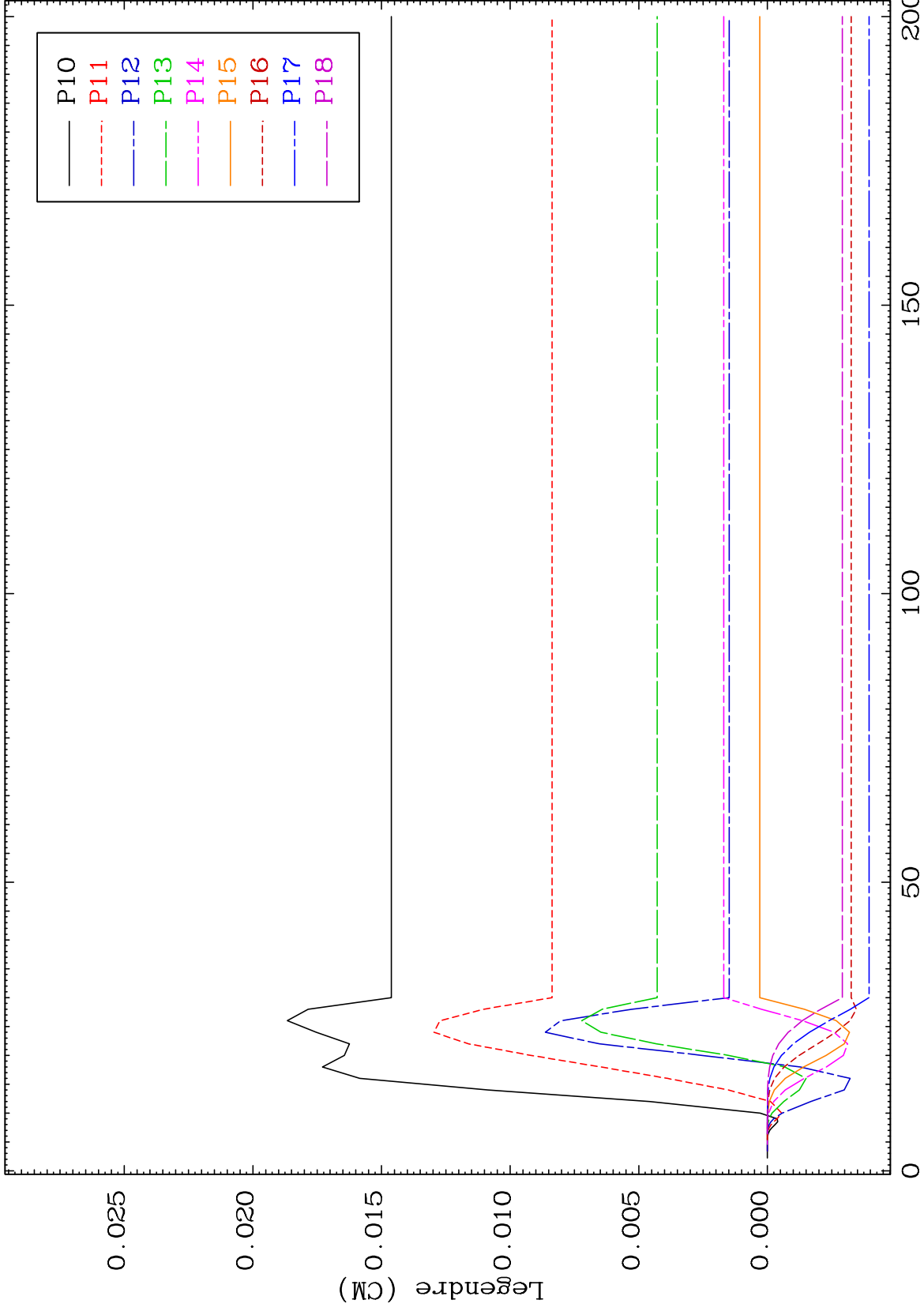
Incident Energy (MeV)

39-Y -91

MAT 3931

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

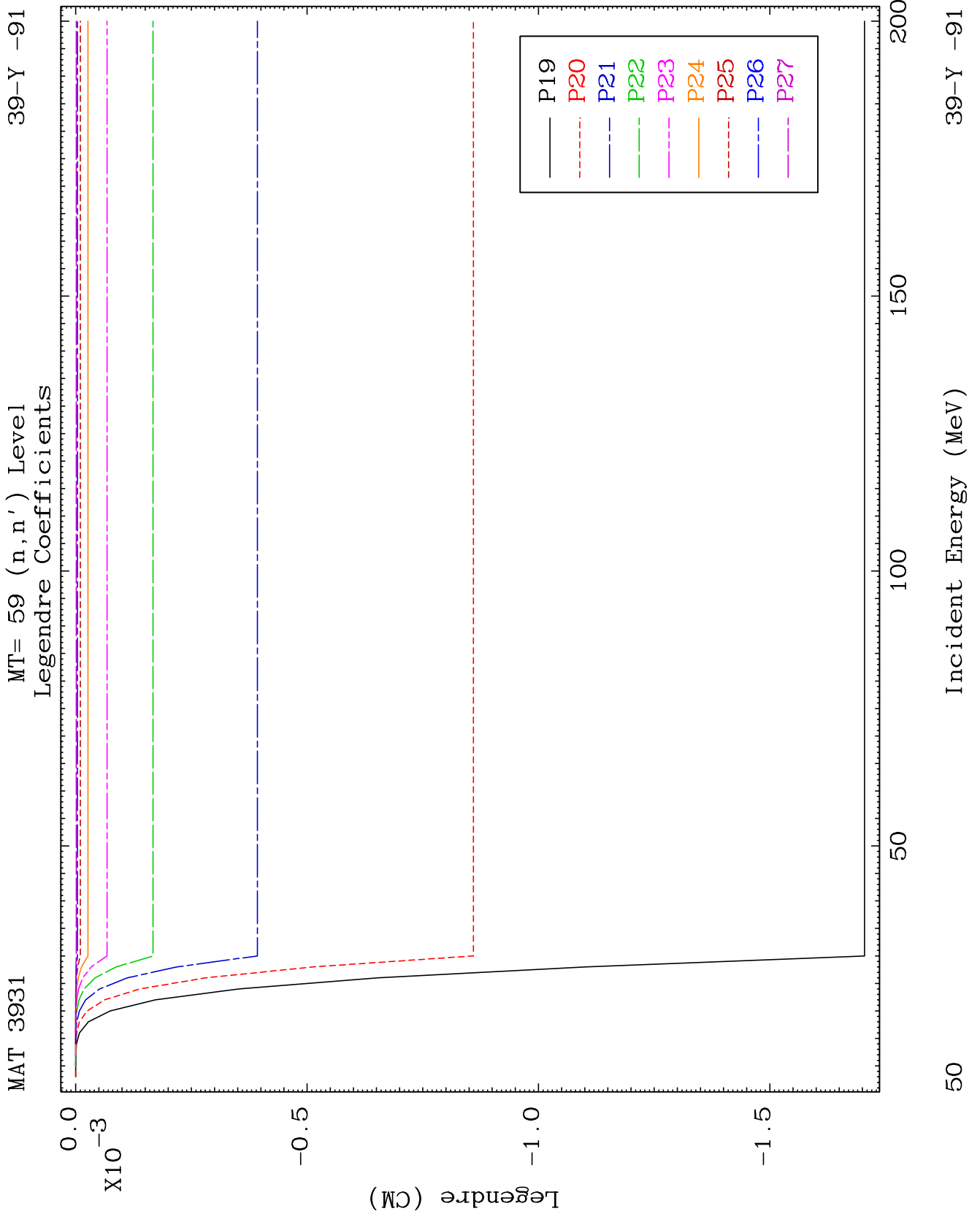
39-Y -91

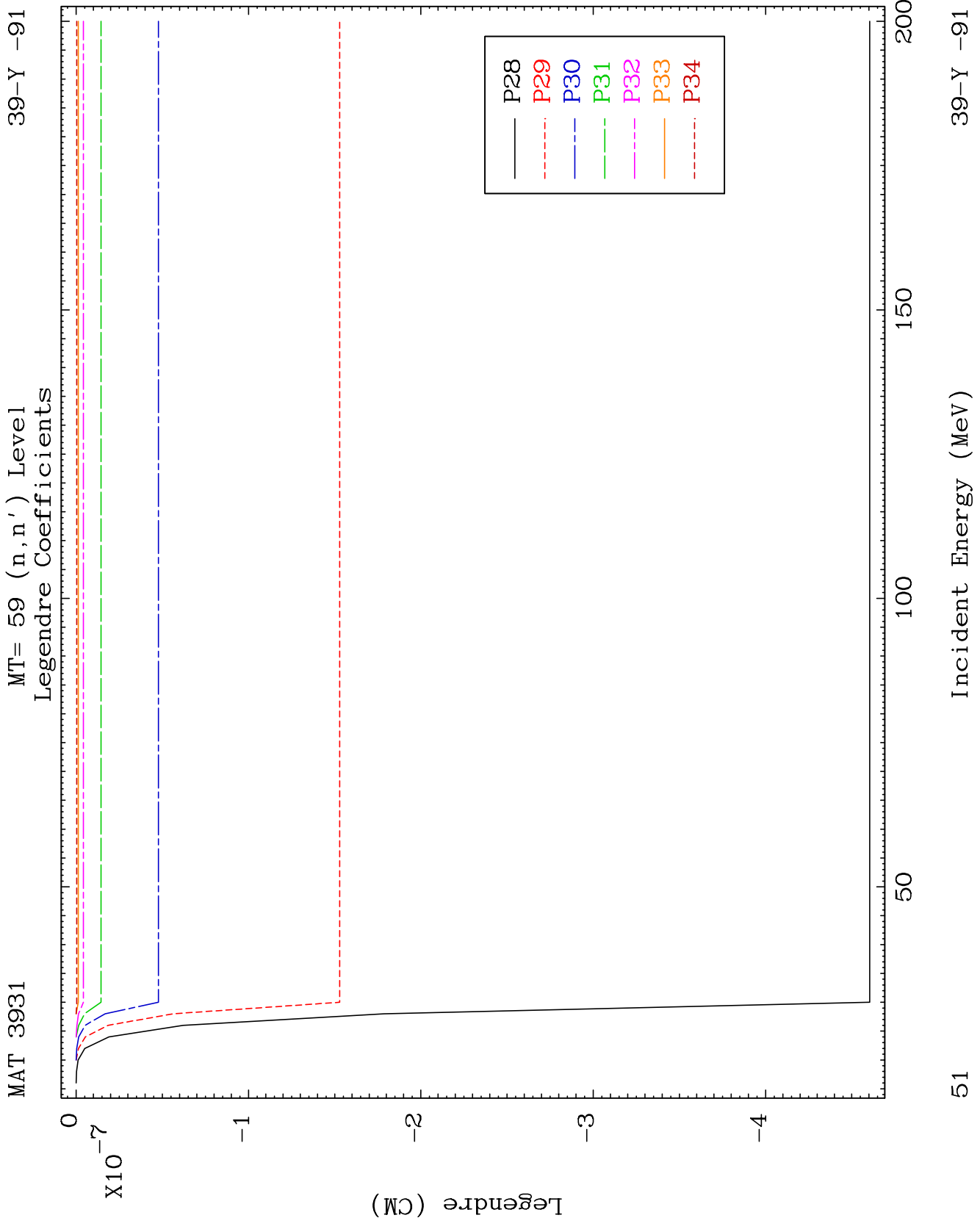


49

Incident Energy (MeV)

39-Y -91

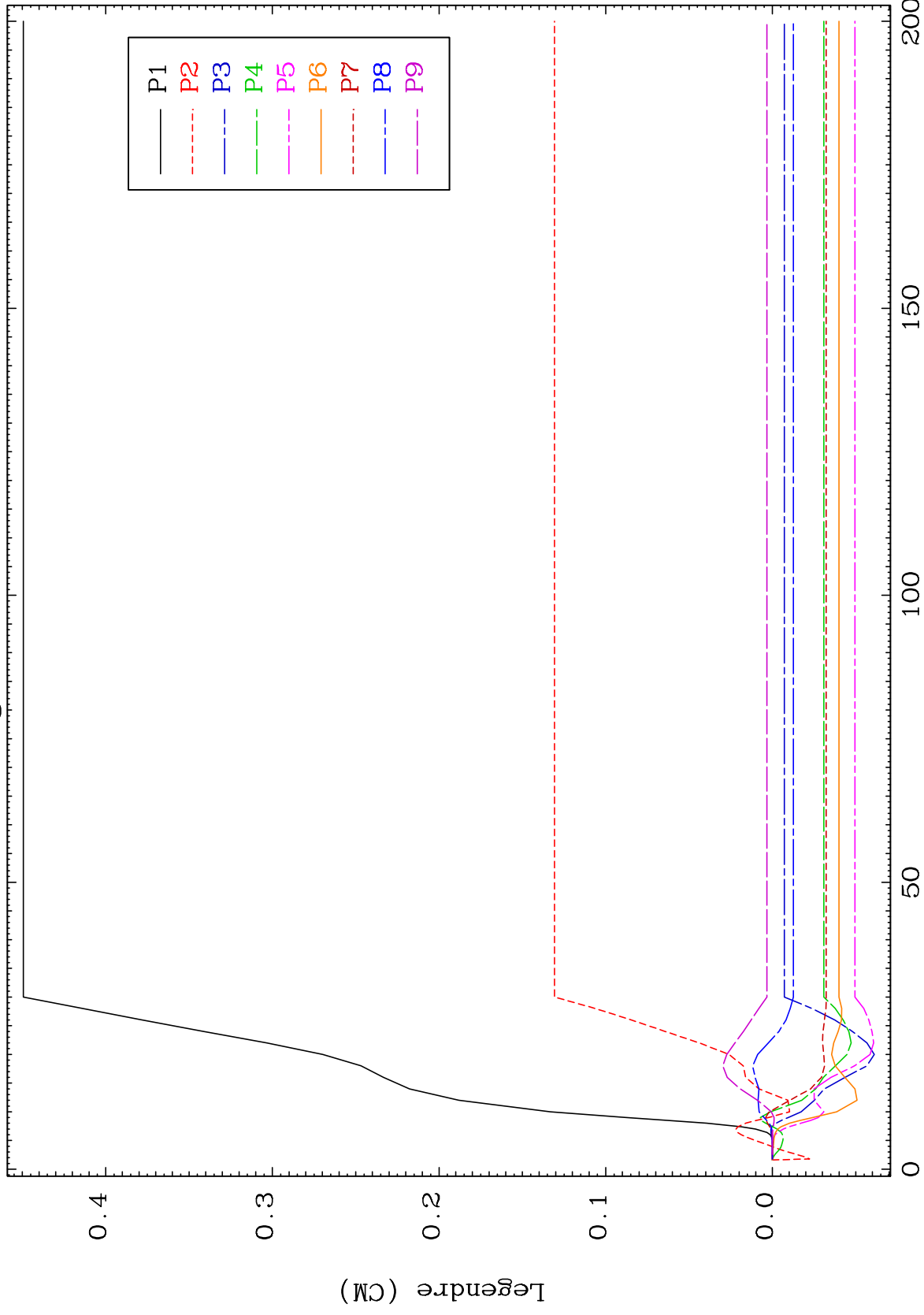




MAT 3931

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

39-Y -91



52

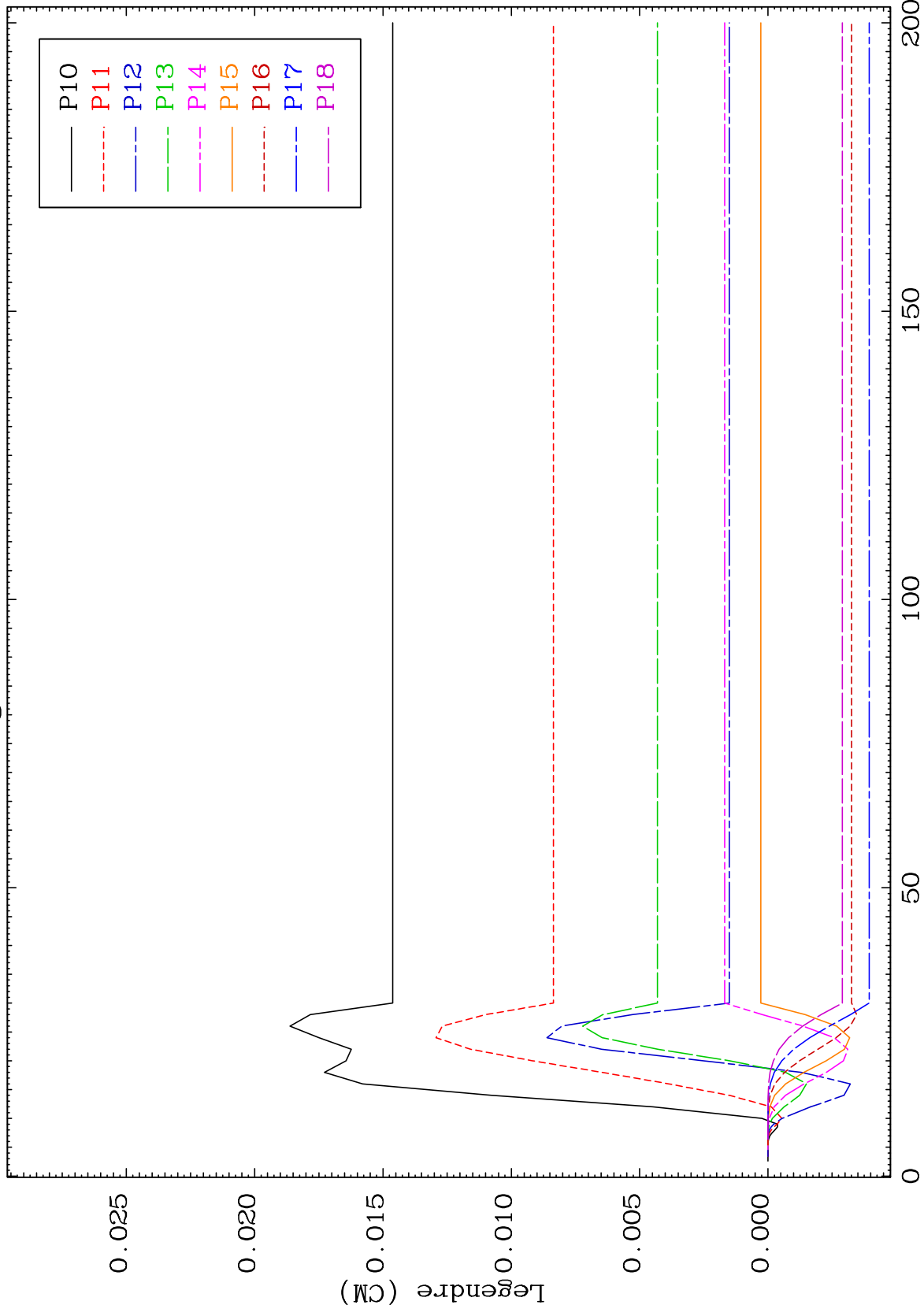
Incident Energy (MeV)

39-Y -91

MAT 3931

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

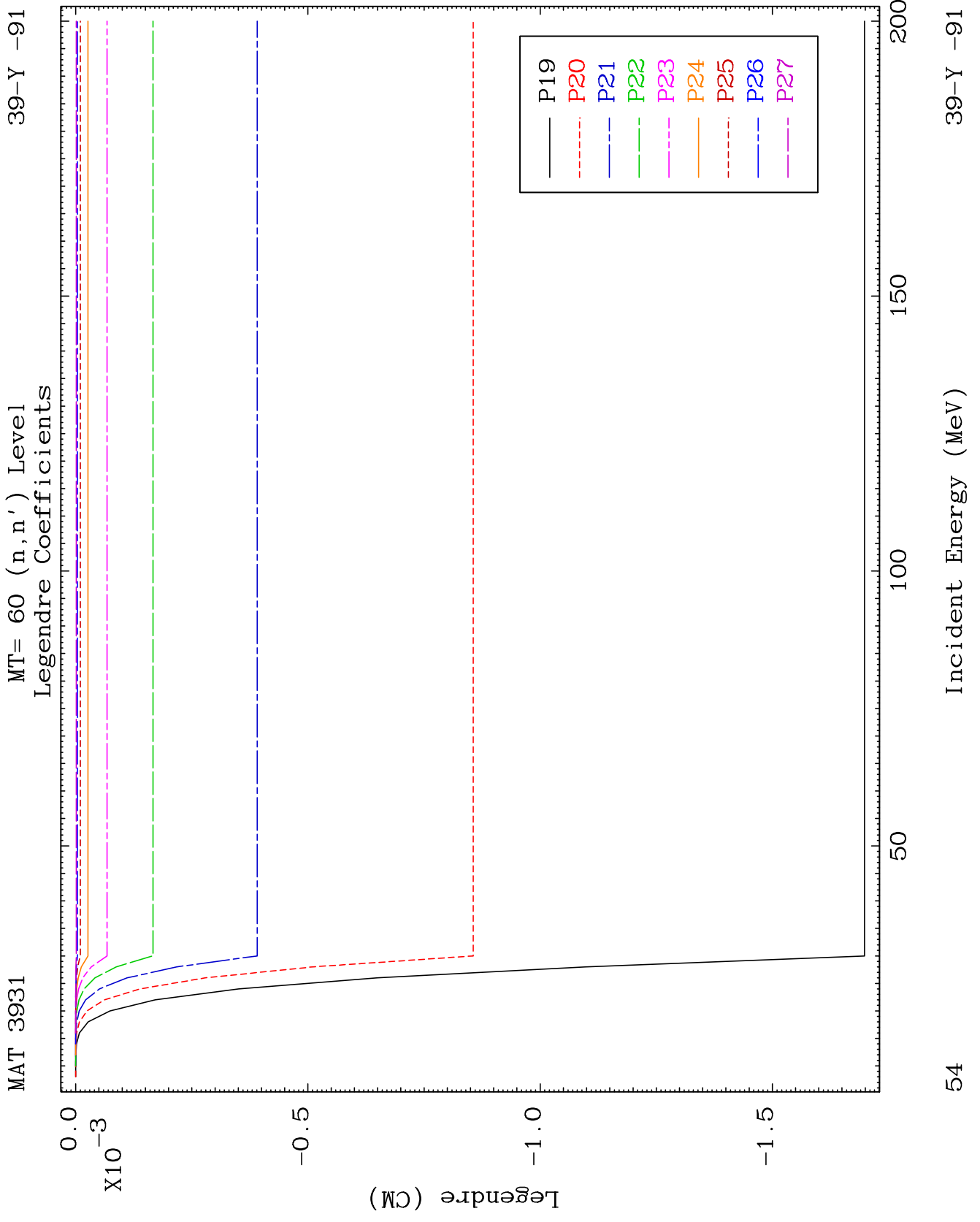
39-Y -91

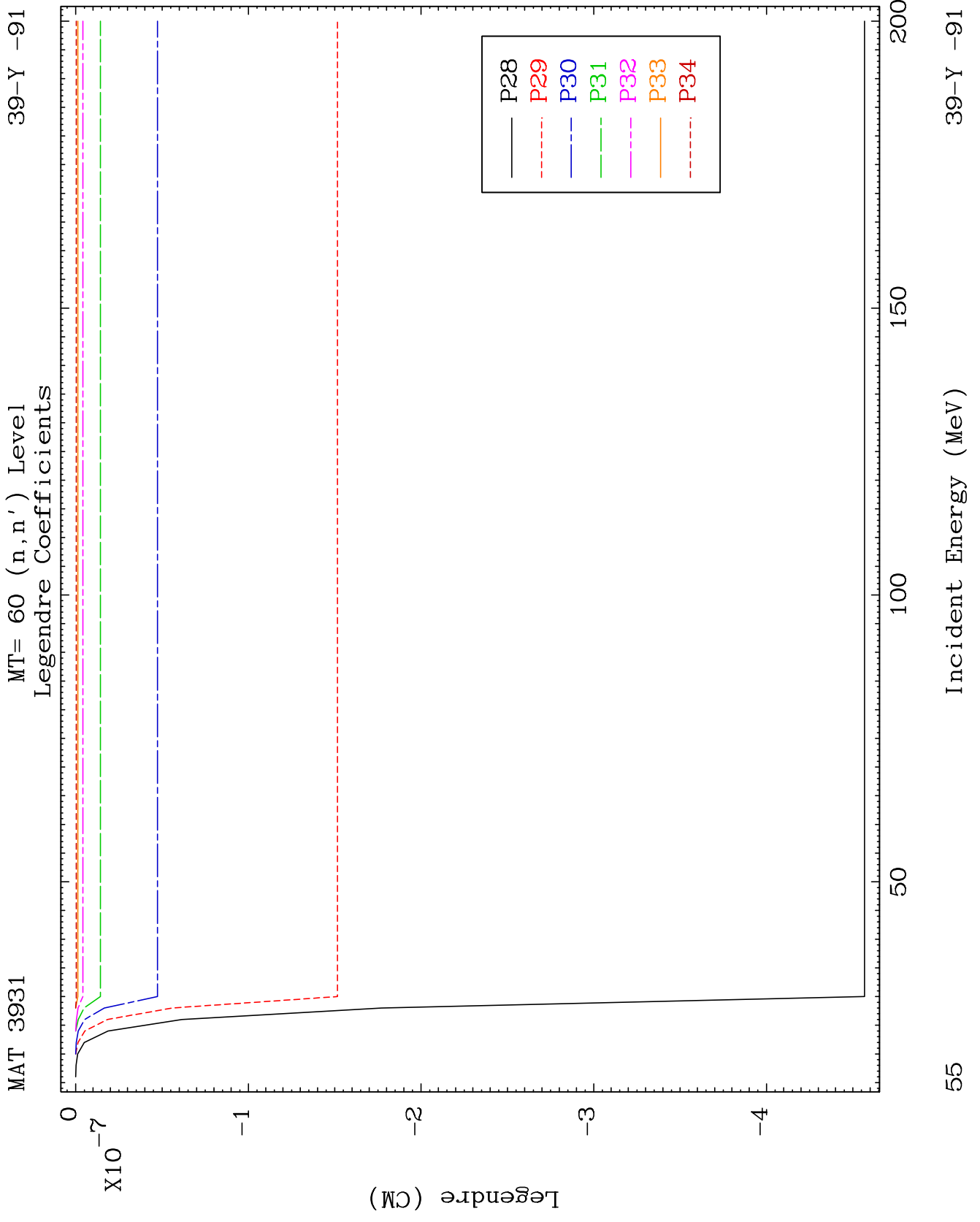


53

Incident Energy (MeV)

39-Y -91

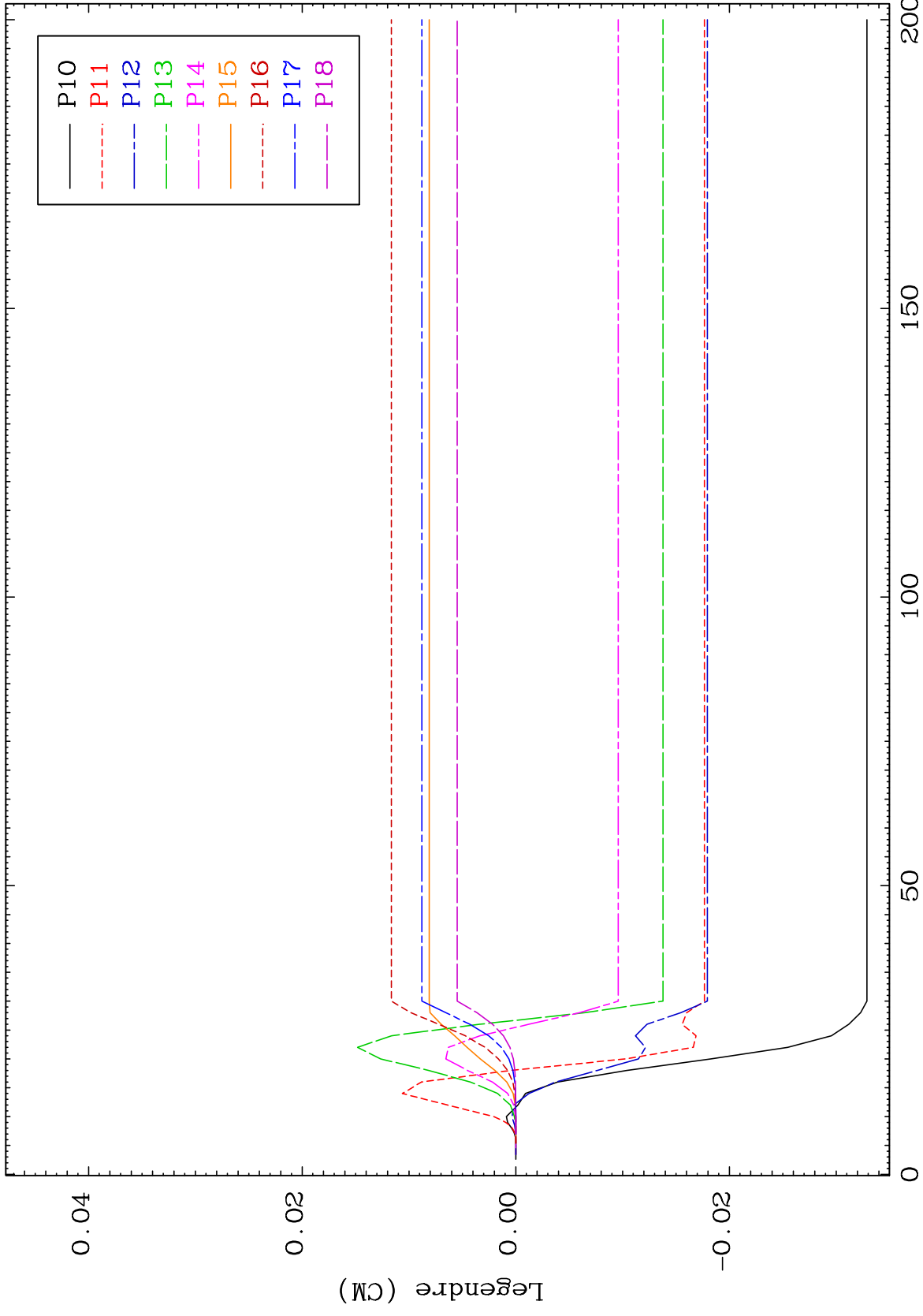




MAT 3931

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

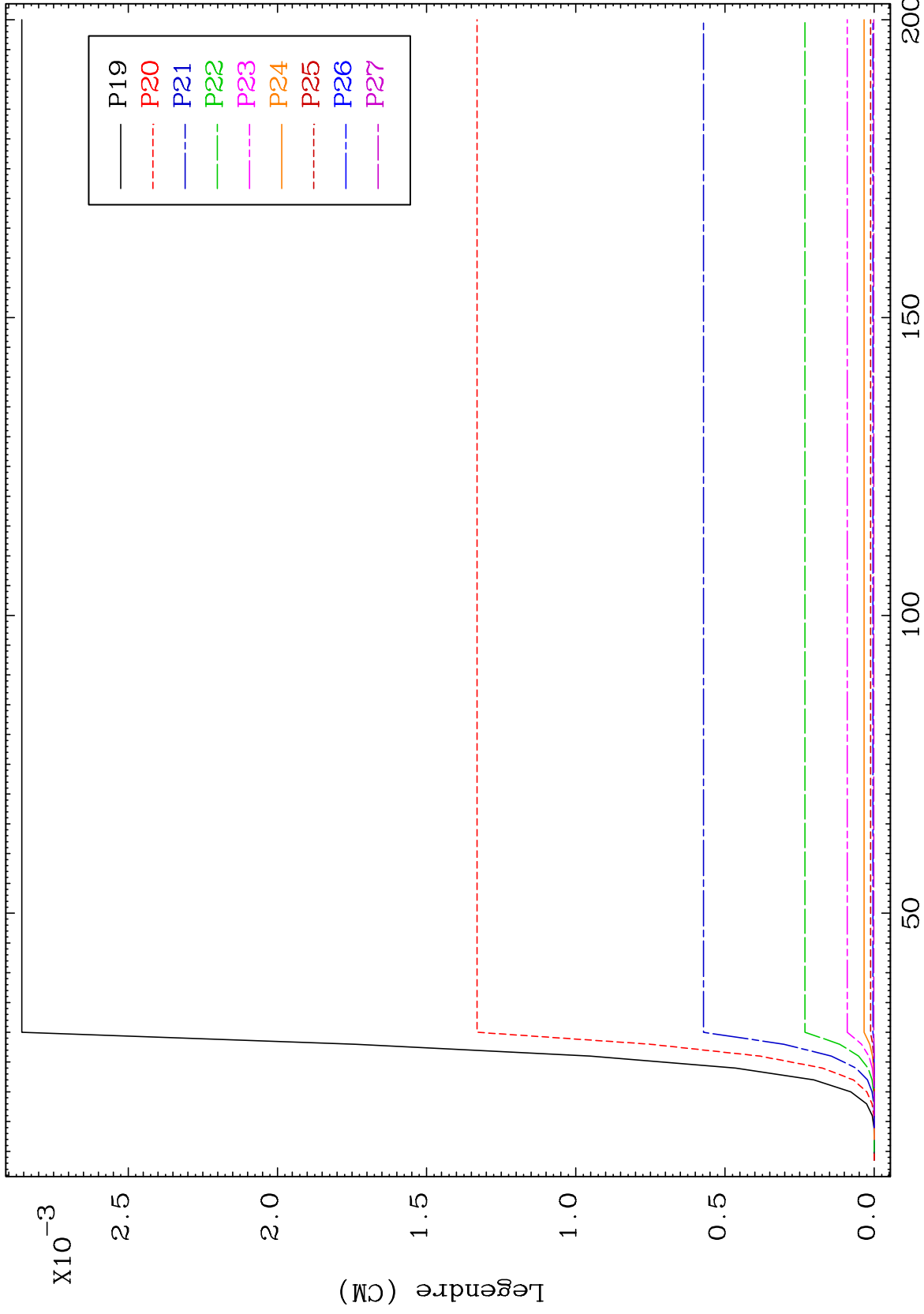
39-Y -91



57

Incident Energy (MeV)

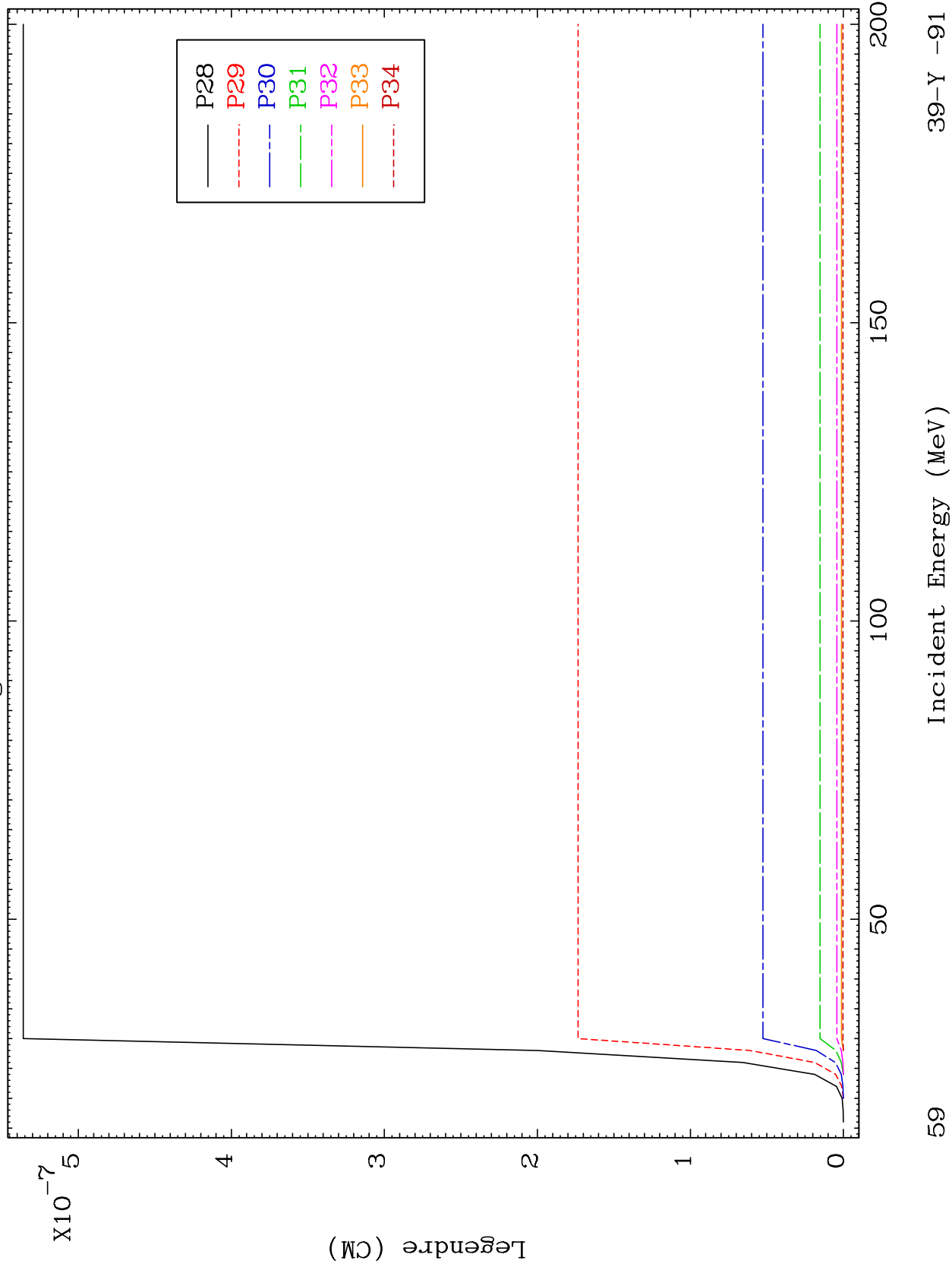
39-Y -91



MAT 3931

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

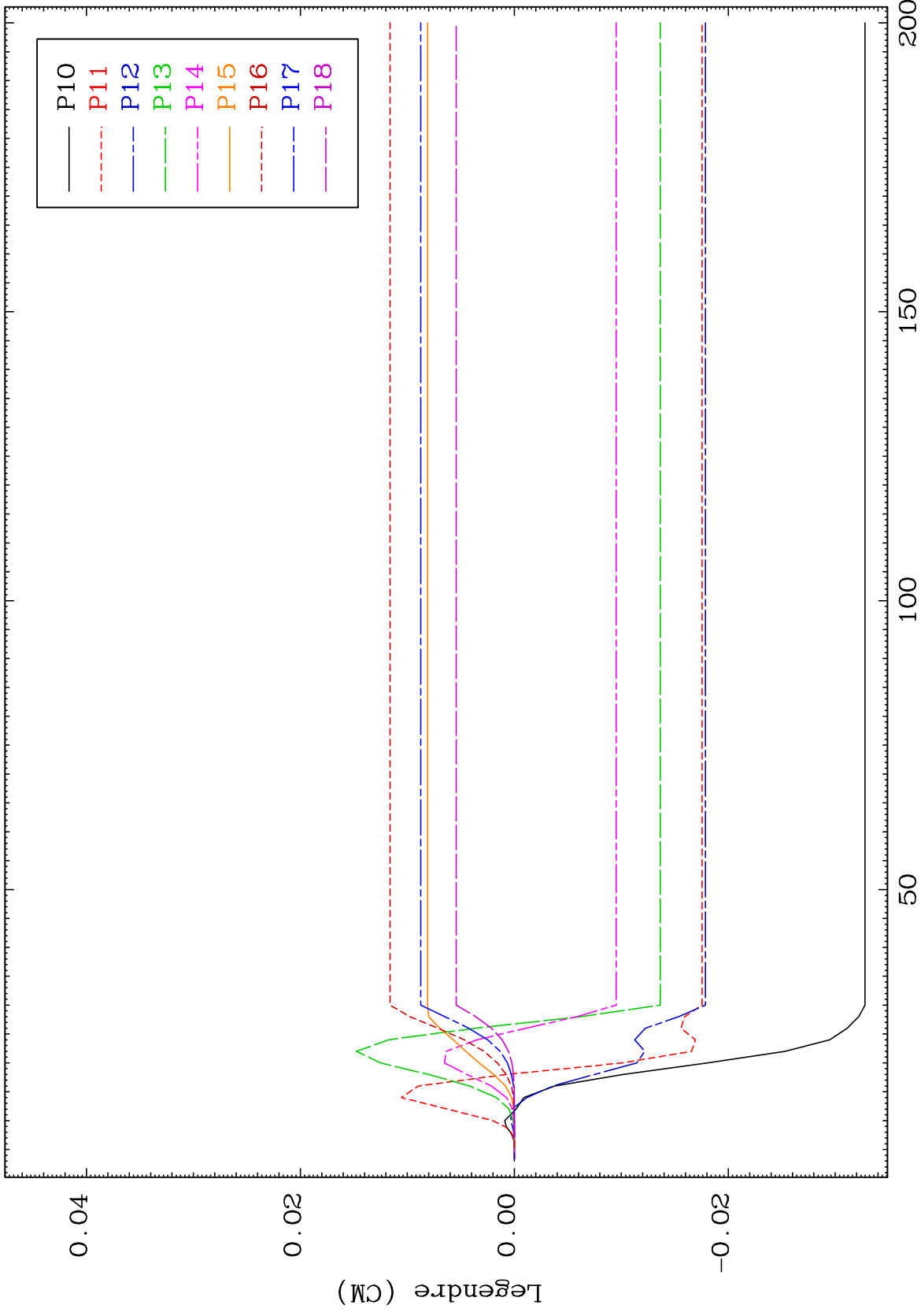
39-Y -91



MAT 3931

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

39-Y -91



61

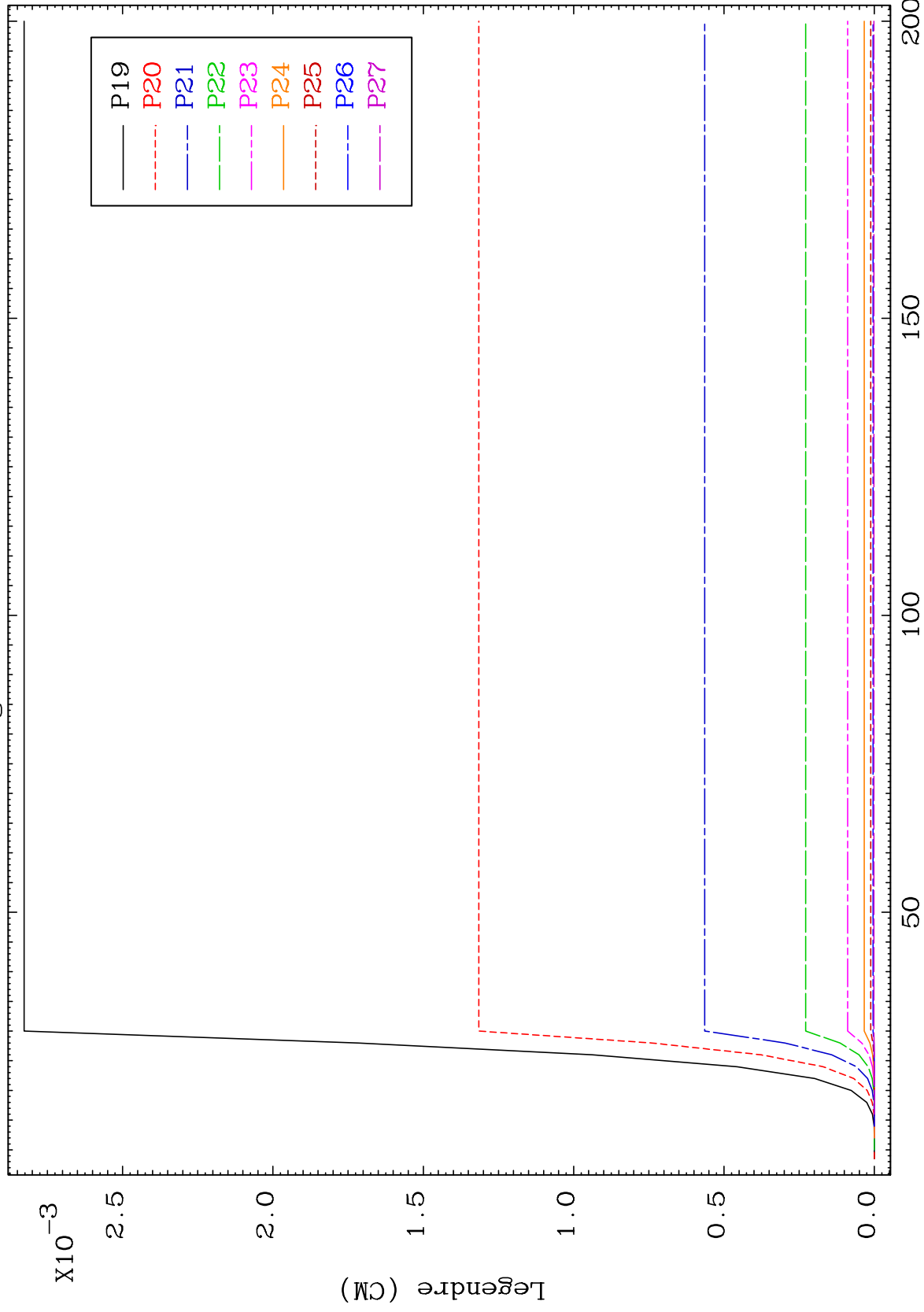
Incident Energy (MeV)

39-Y -91

MAT 3931

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

39-Y -91



62

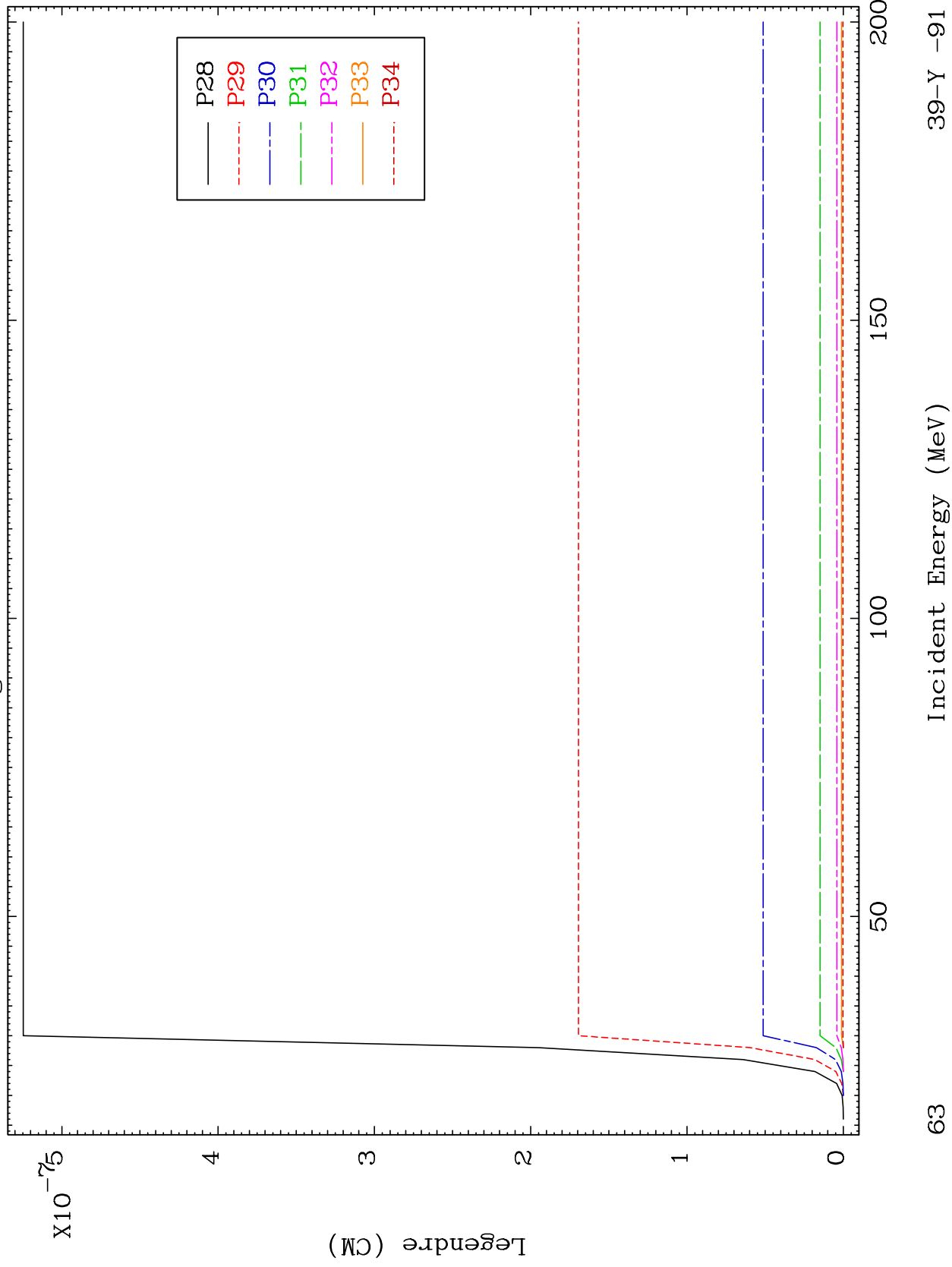
Incident Energy (MeV)

39-Y -91

MAT 3931

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

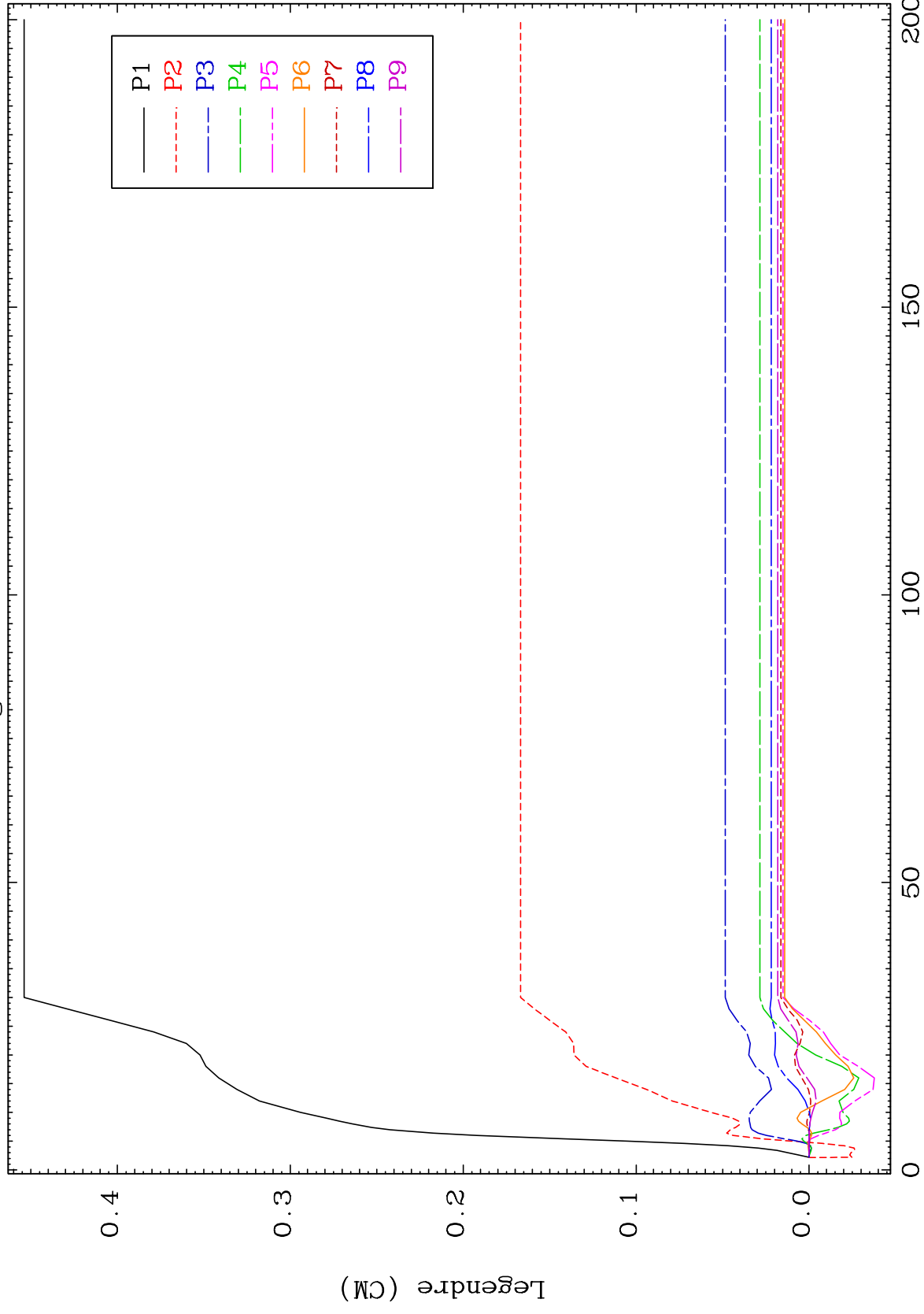
39-Y -91



MAT 3931

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

39-Y -91



64

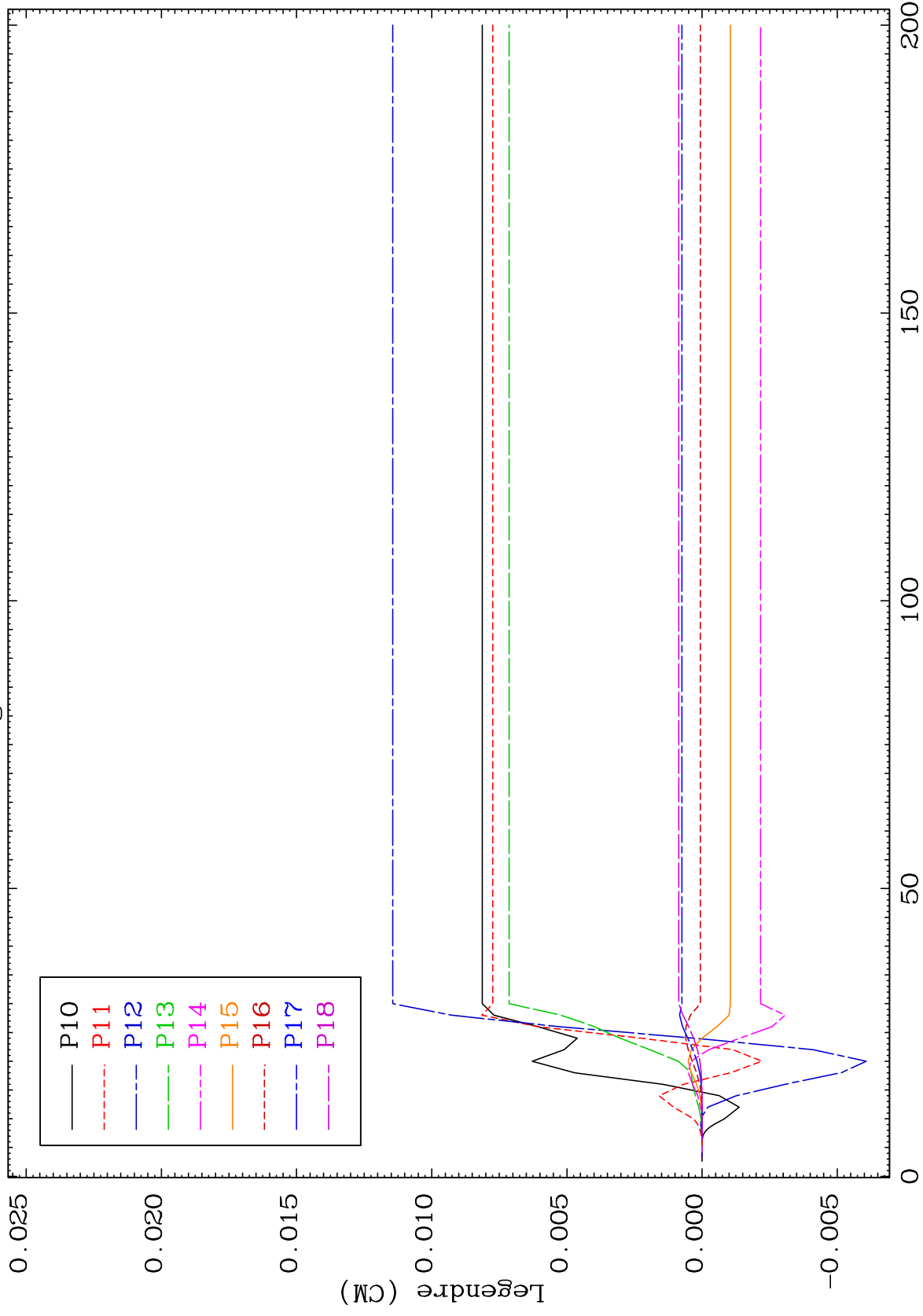
Incident Energy (MeV)

39-Y -91

MAT 3931

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

39-Y -91



65

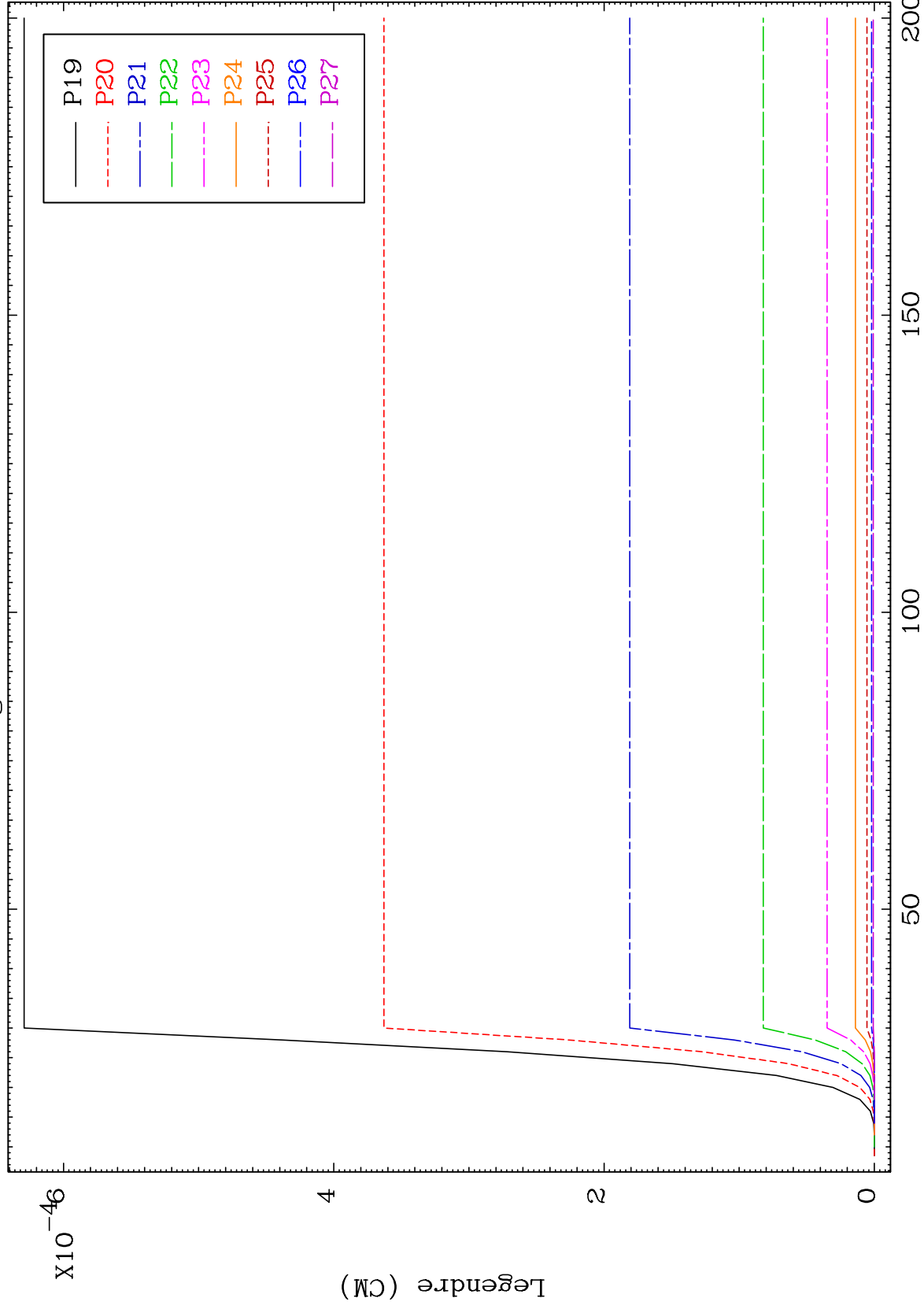
Incident Energy (MeV)

39-Y -91

MAT 3931

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

39-Y -91



66

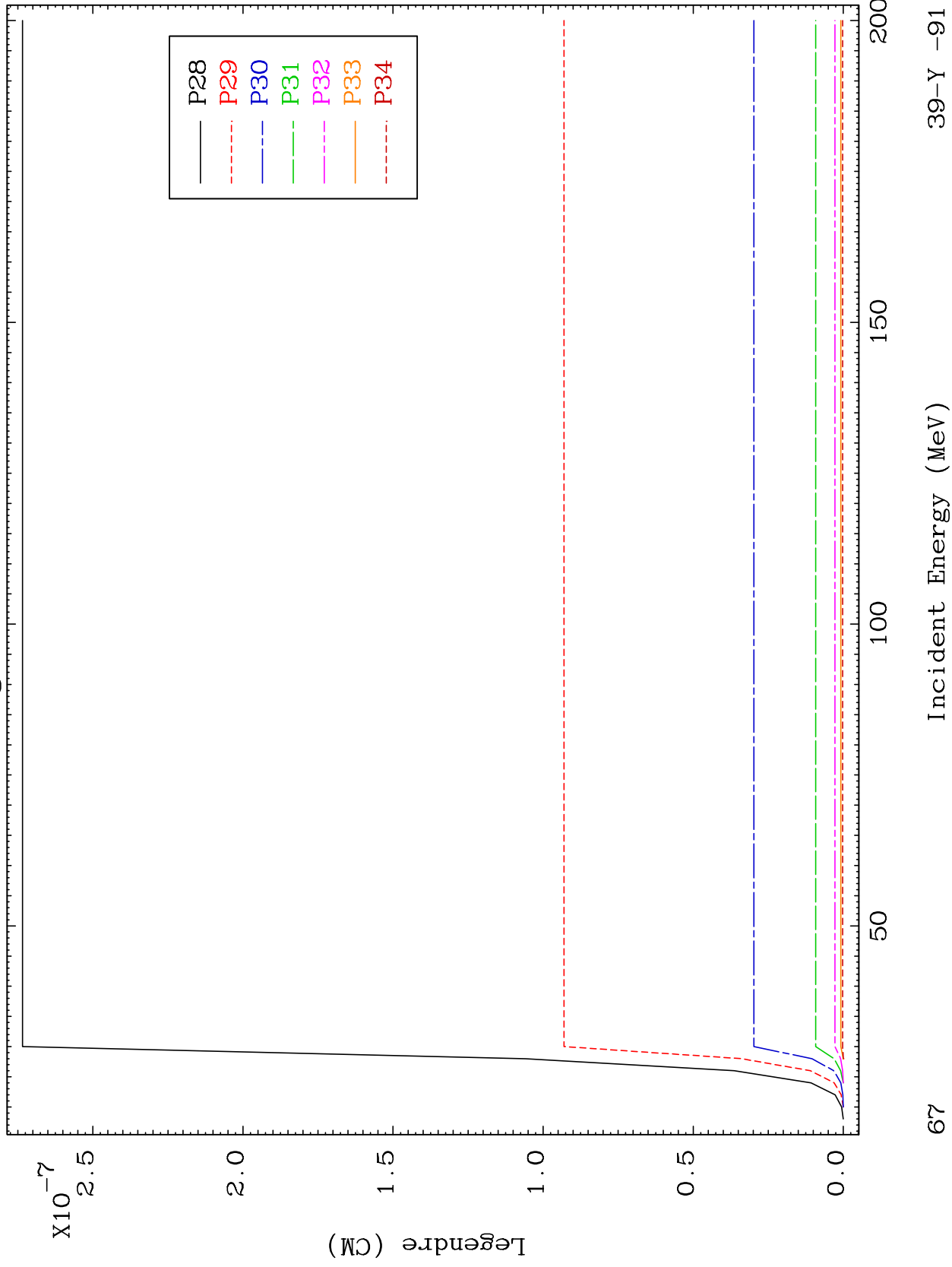
Incident Energy (MeV)

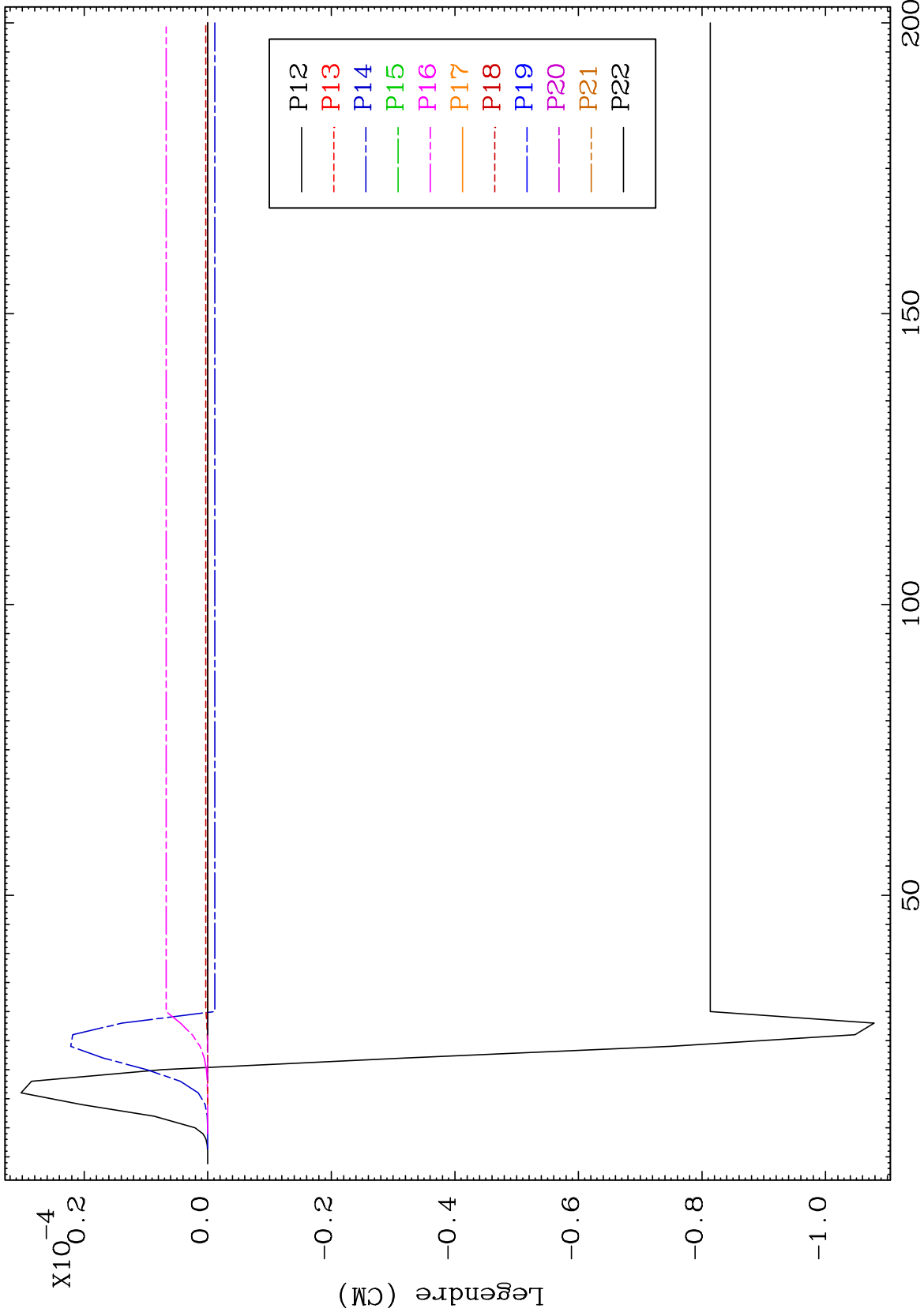
39-Y -91

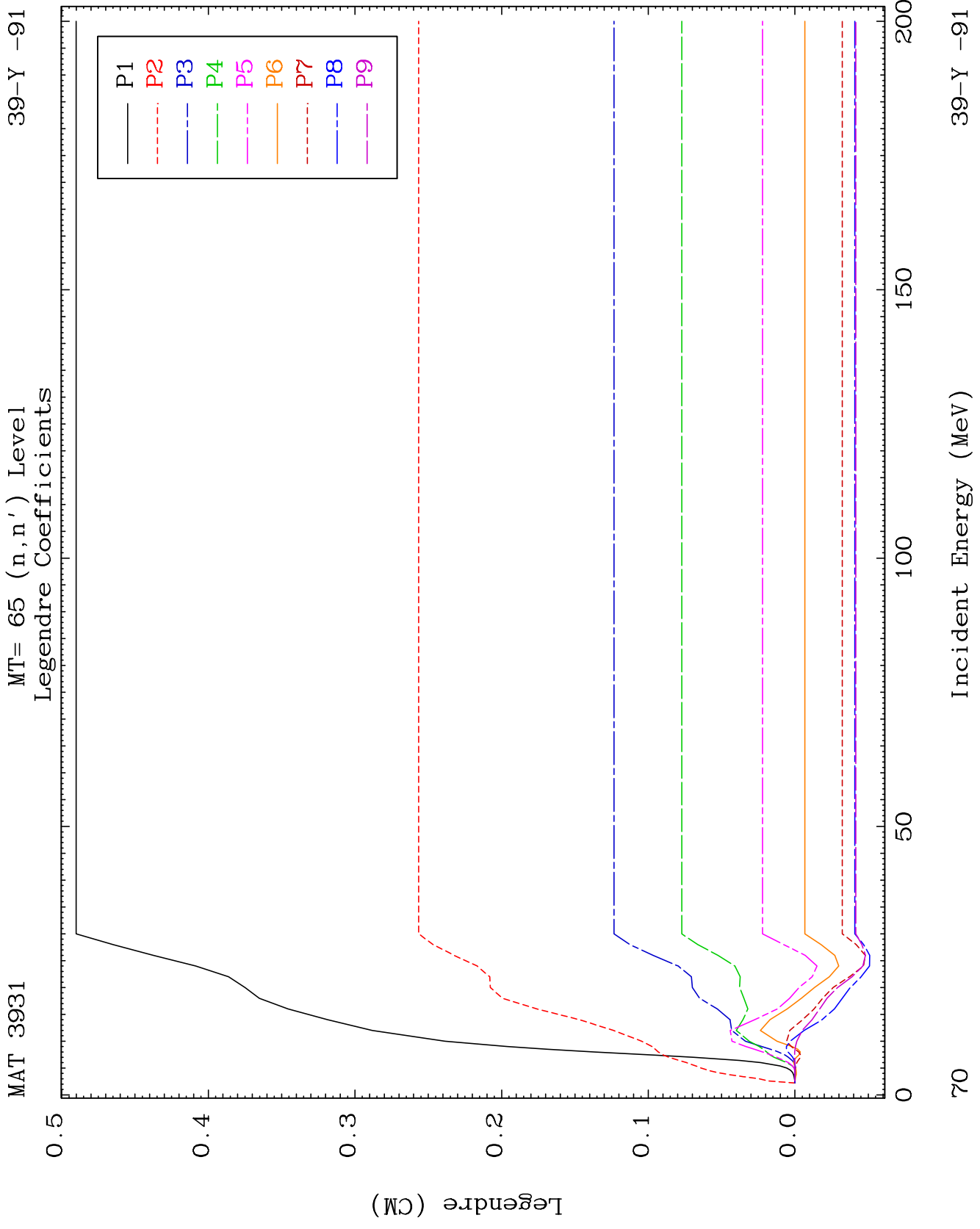
MAT 3931

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

39-Y -91



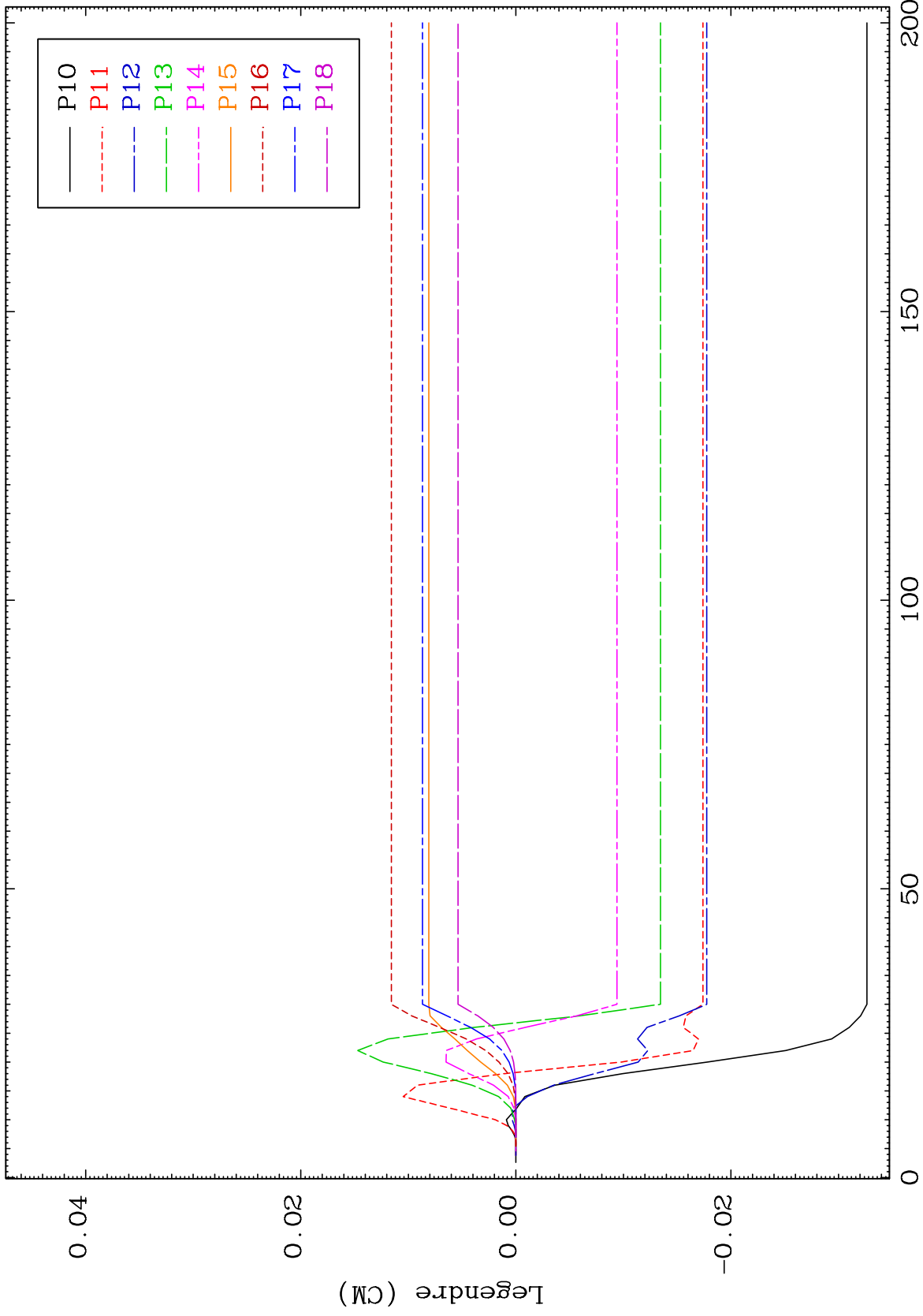




MAT 3931

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

39-Y -91



71

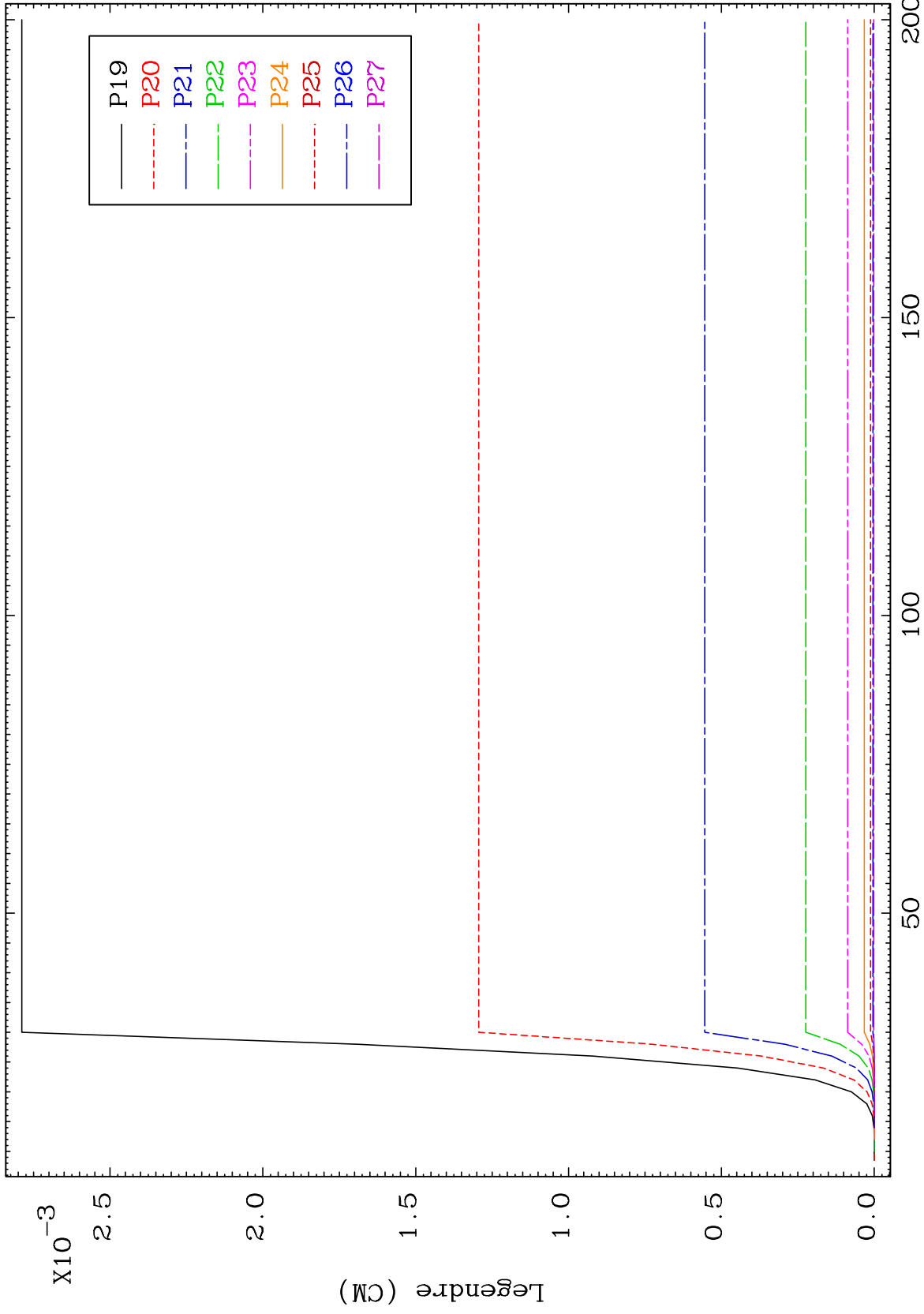
Incident Energy (MeV)

39-Y -91

MAT 3931

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

39-Y -91



72

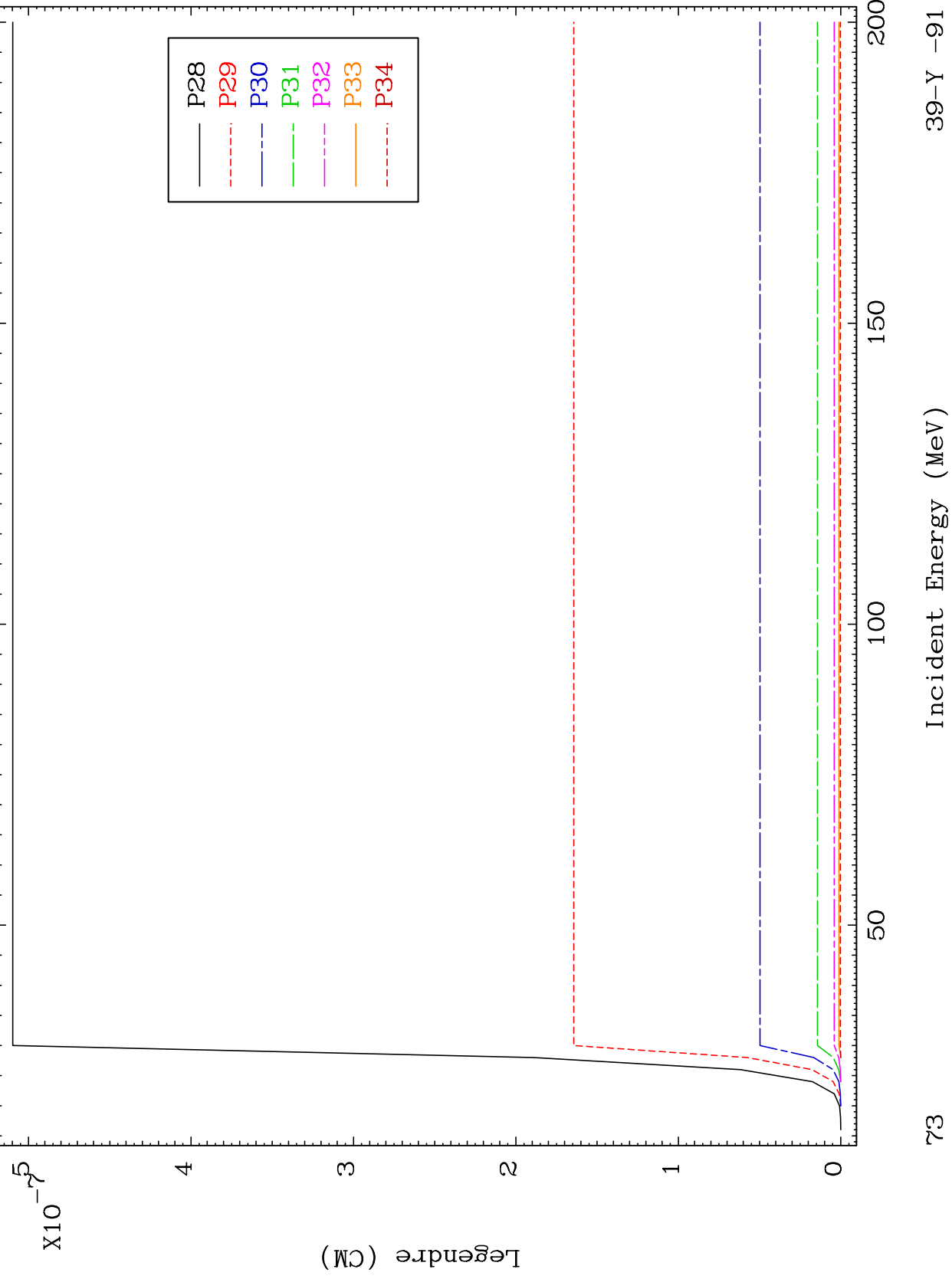
Incident Energy (MeV)

39-Y -91

MAT 3931

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

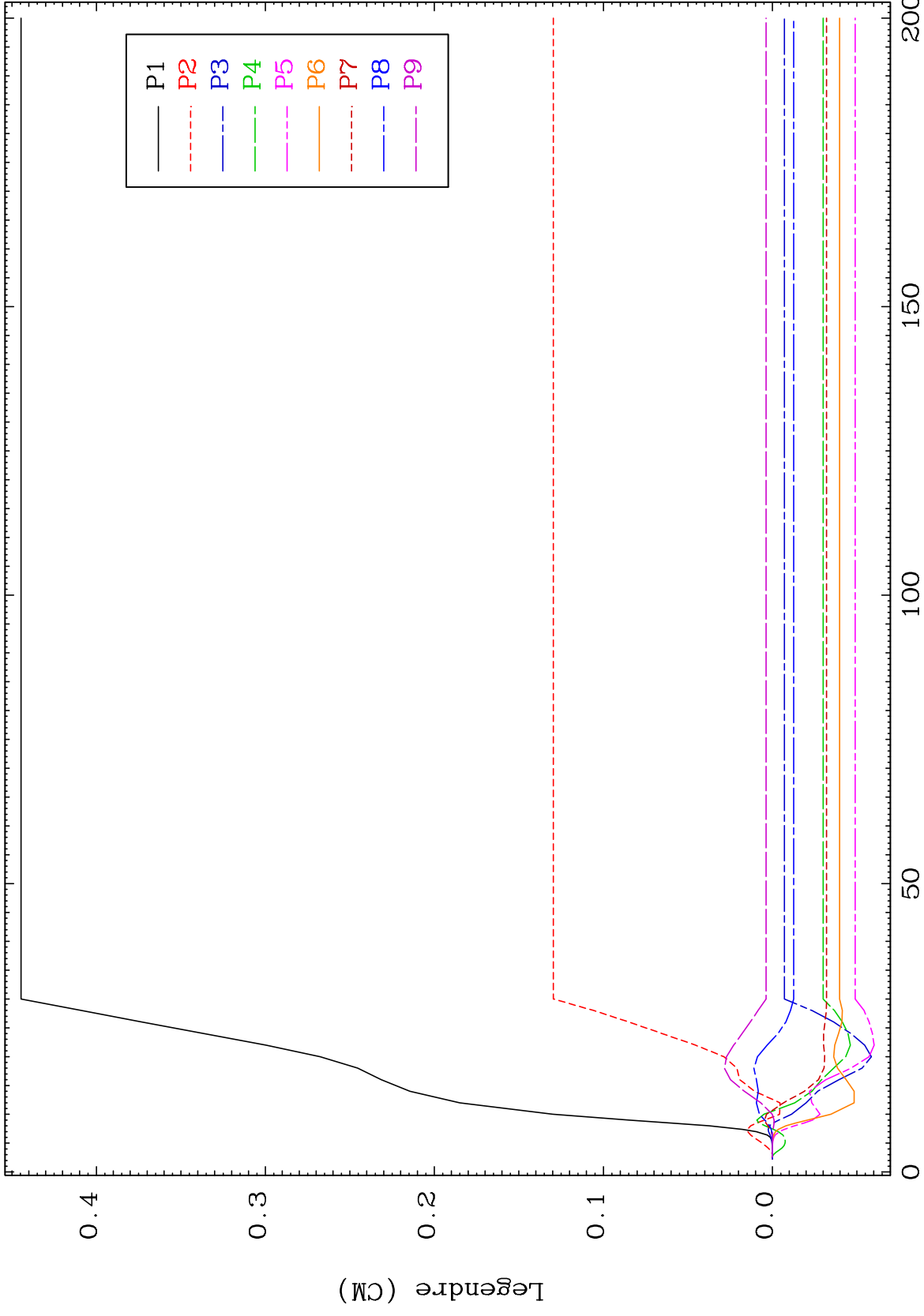
39-Y -91



MAT 3931

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

39-Y -91



74

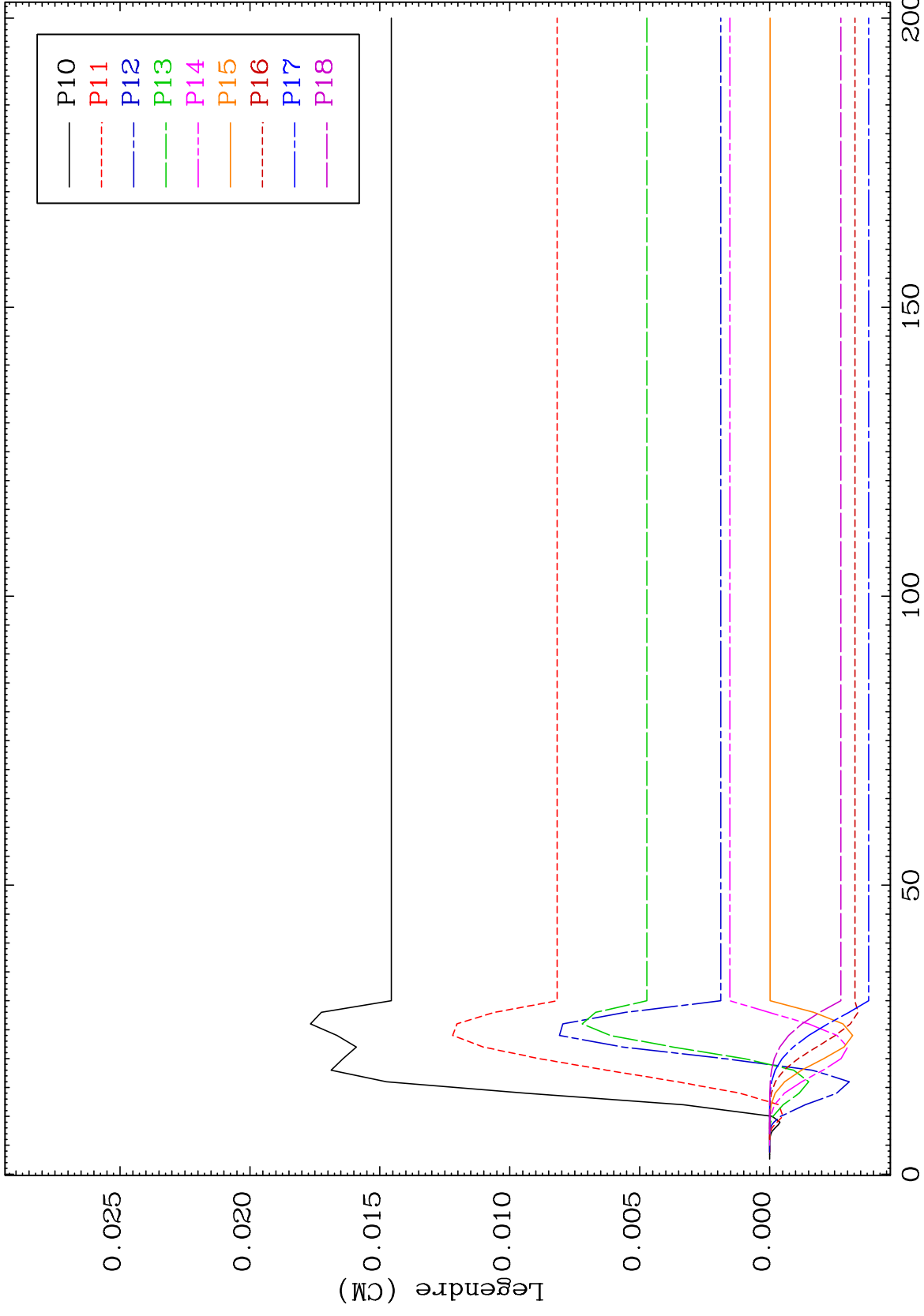
Incident Energy (MeV)

39-Y -91

MAT 3931

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

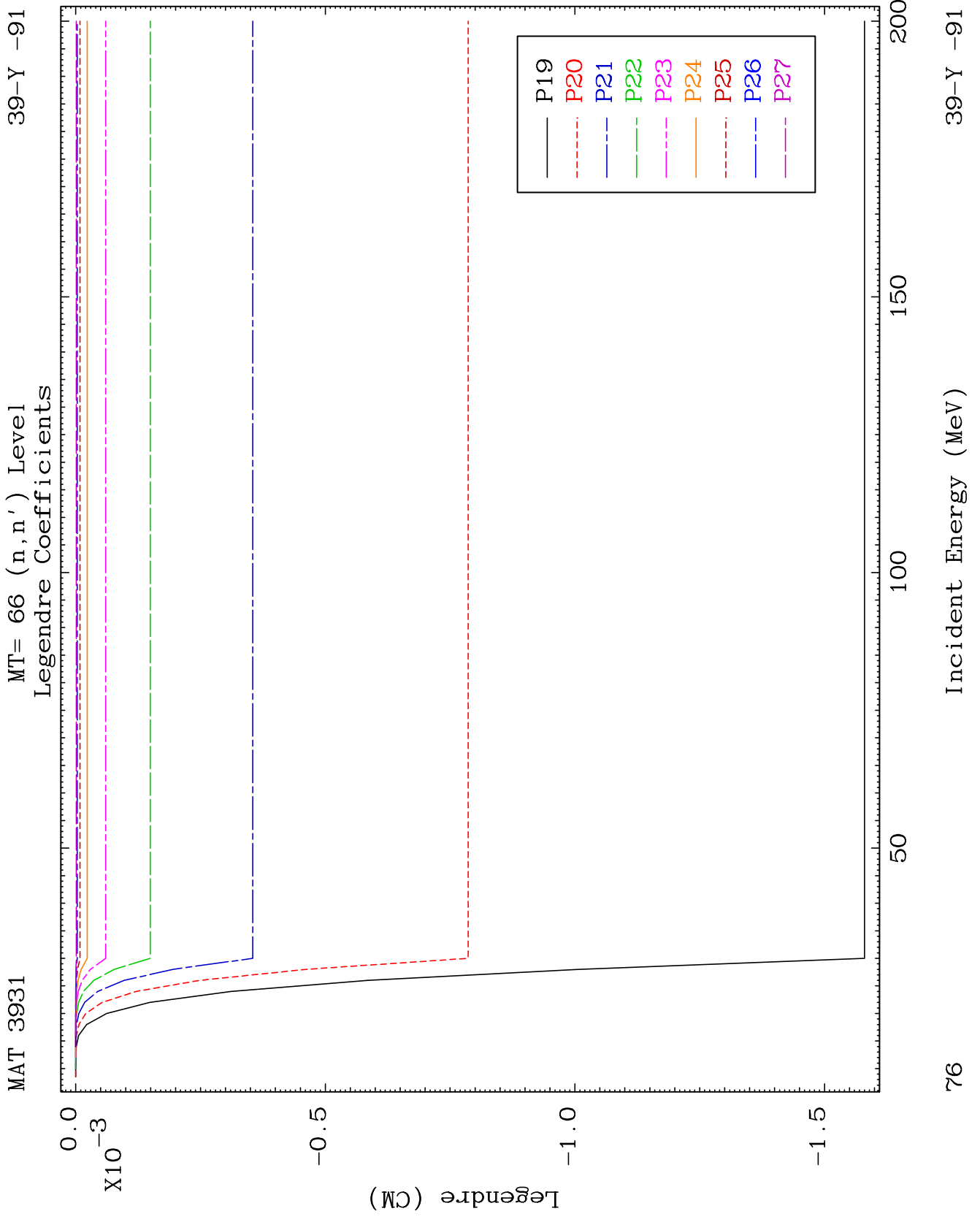
39-Y -91



75

Incident Energy (MeV)

39-Y -91

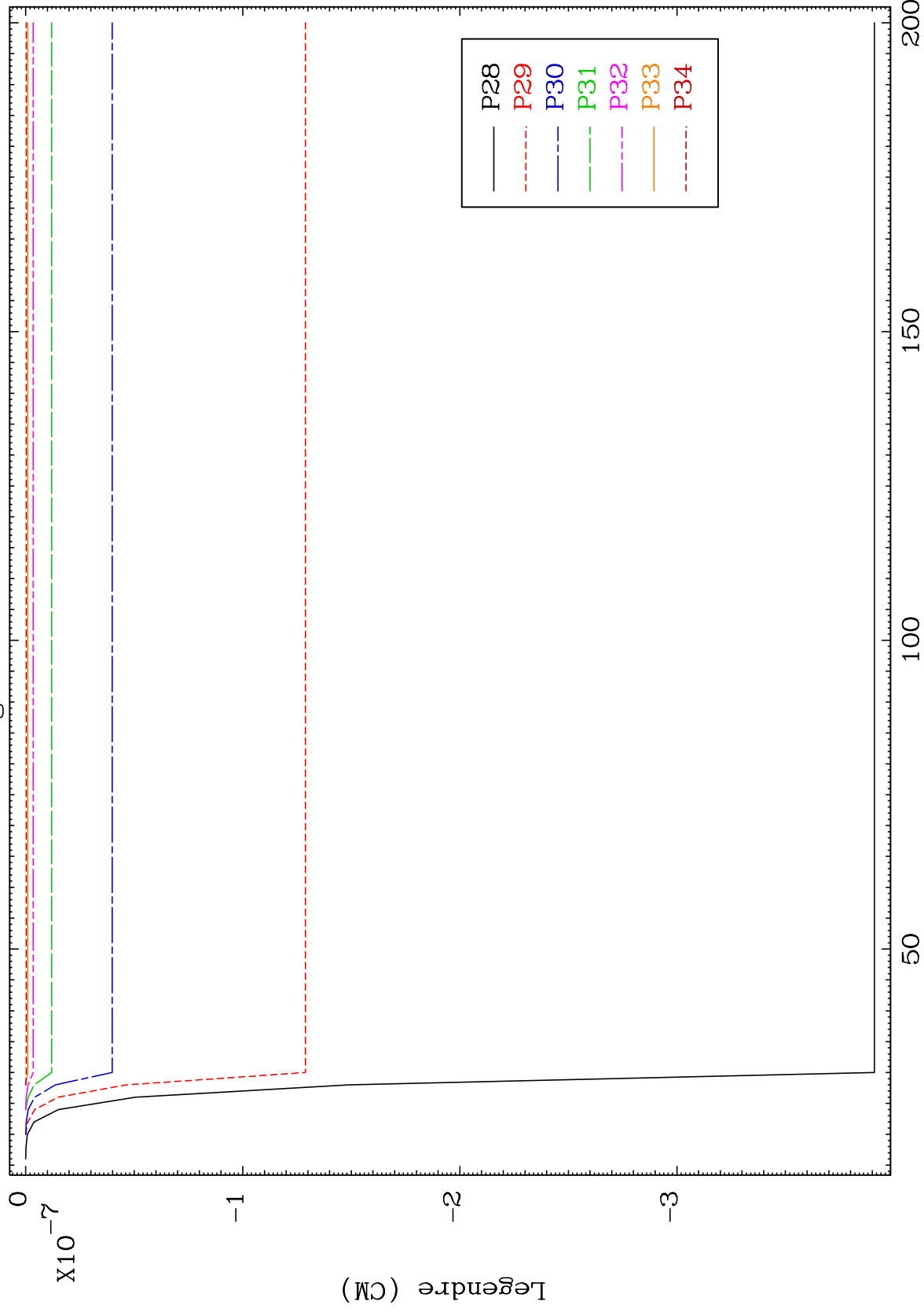


MAT 3931

MT= 66 (n,n') Level

39-Y -91

Legendre Coefficients



77

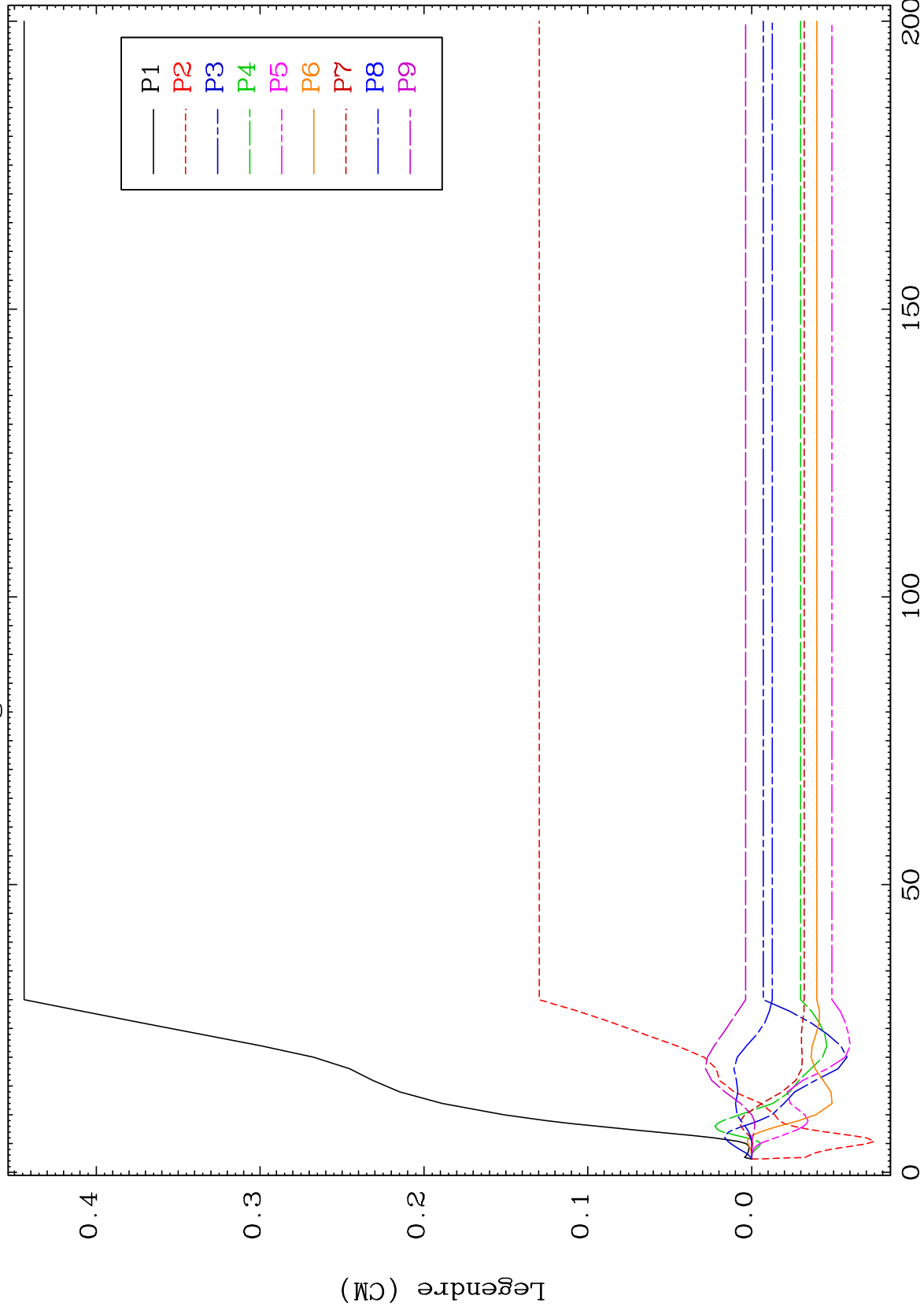
Incident Energy (MeV)

39-Y -91

MAT 3931

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

39-Y -91



78

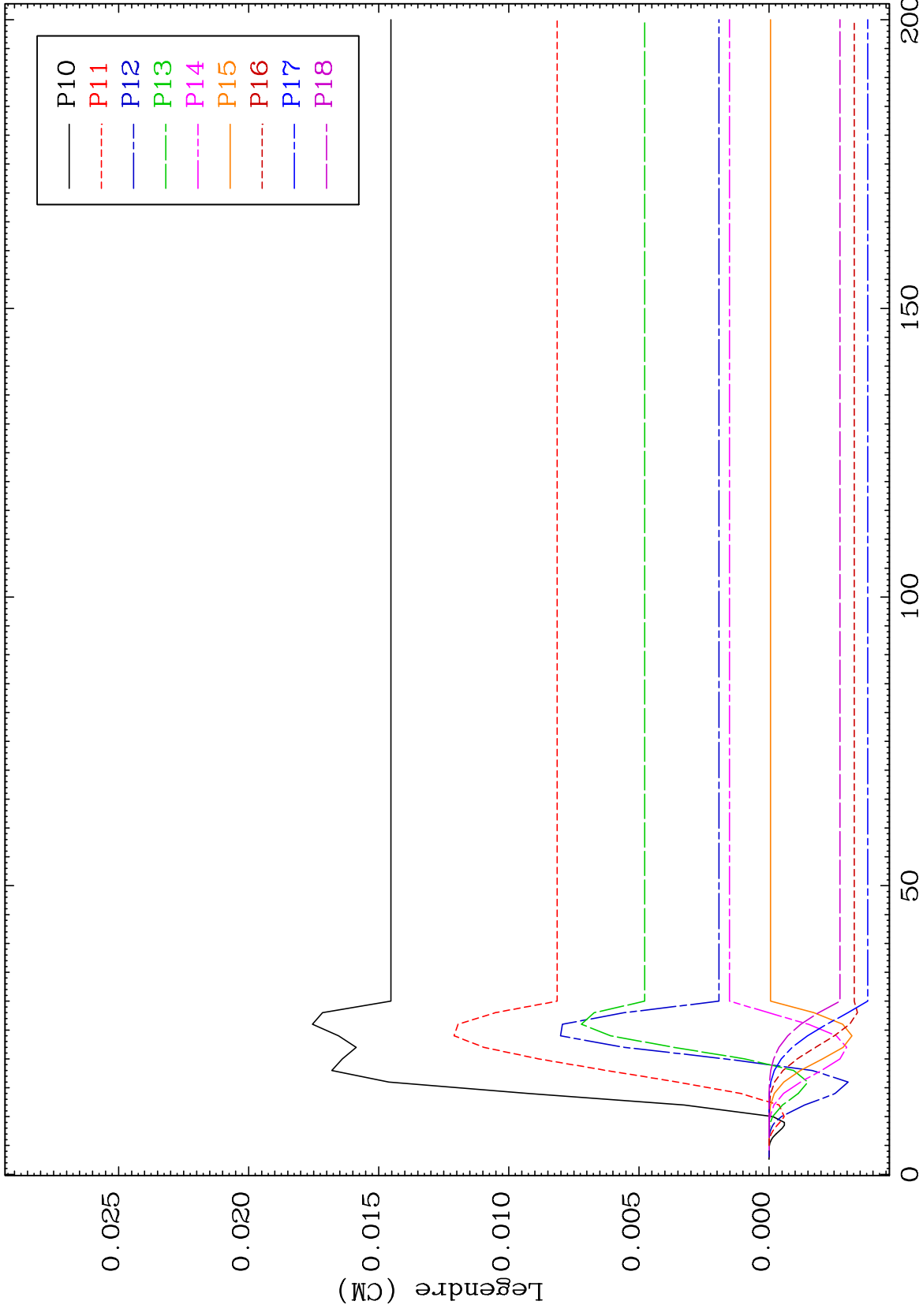
Incident Energy (MeV)

39-Y -91

MAT 3931

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

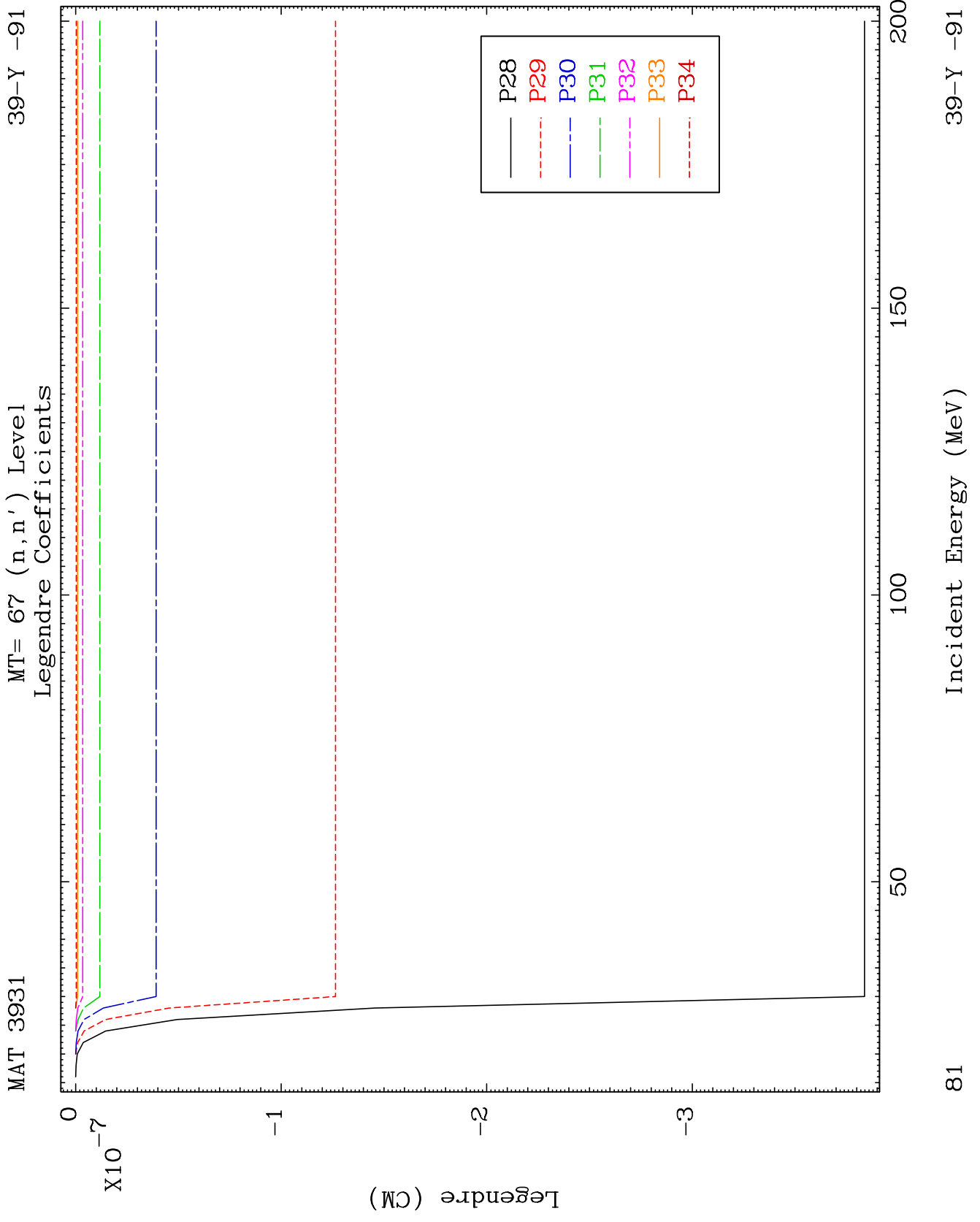
39-Y -91

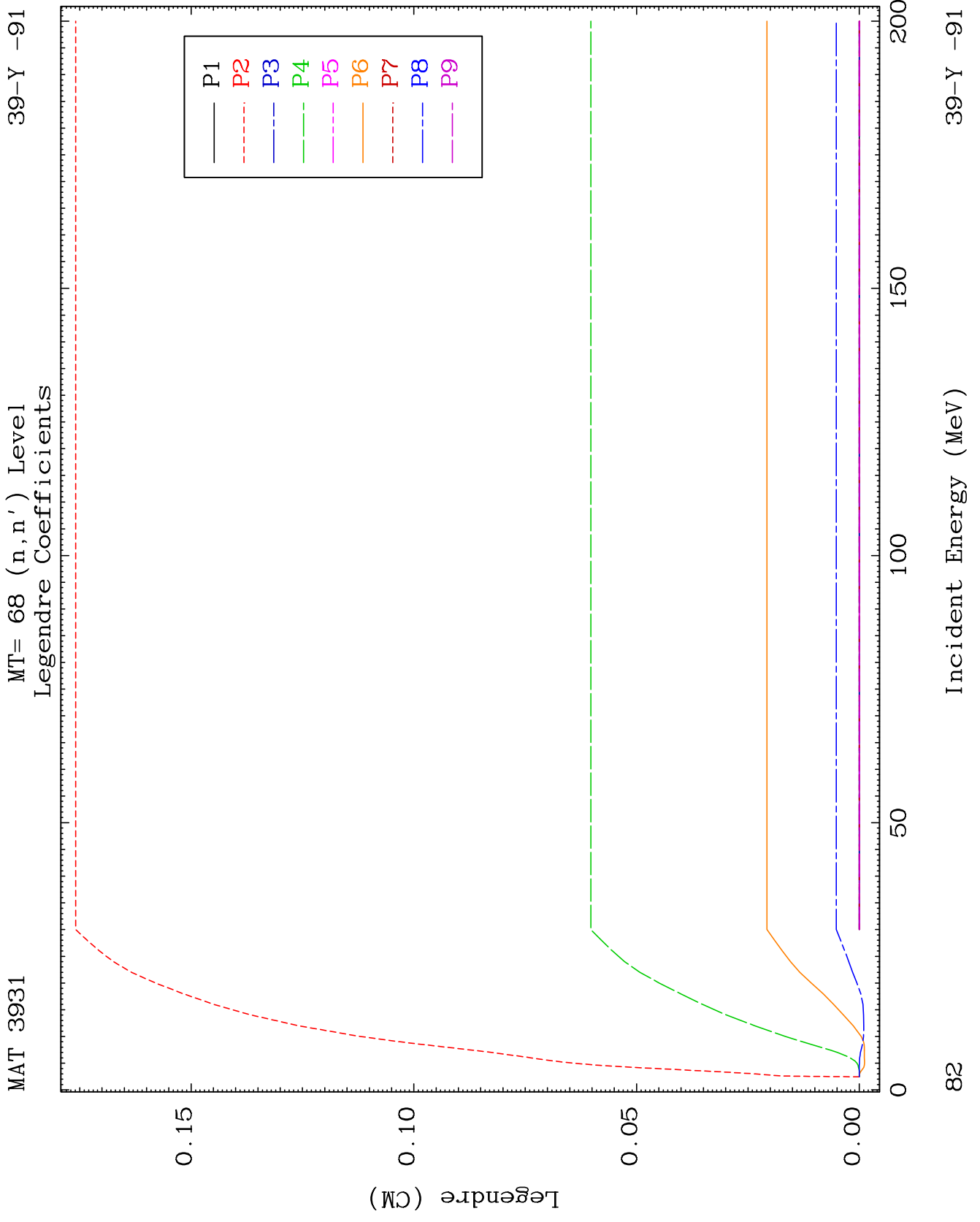


79

Incident Energy (MeV)

39-Y -91

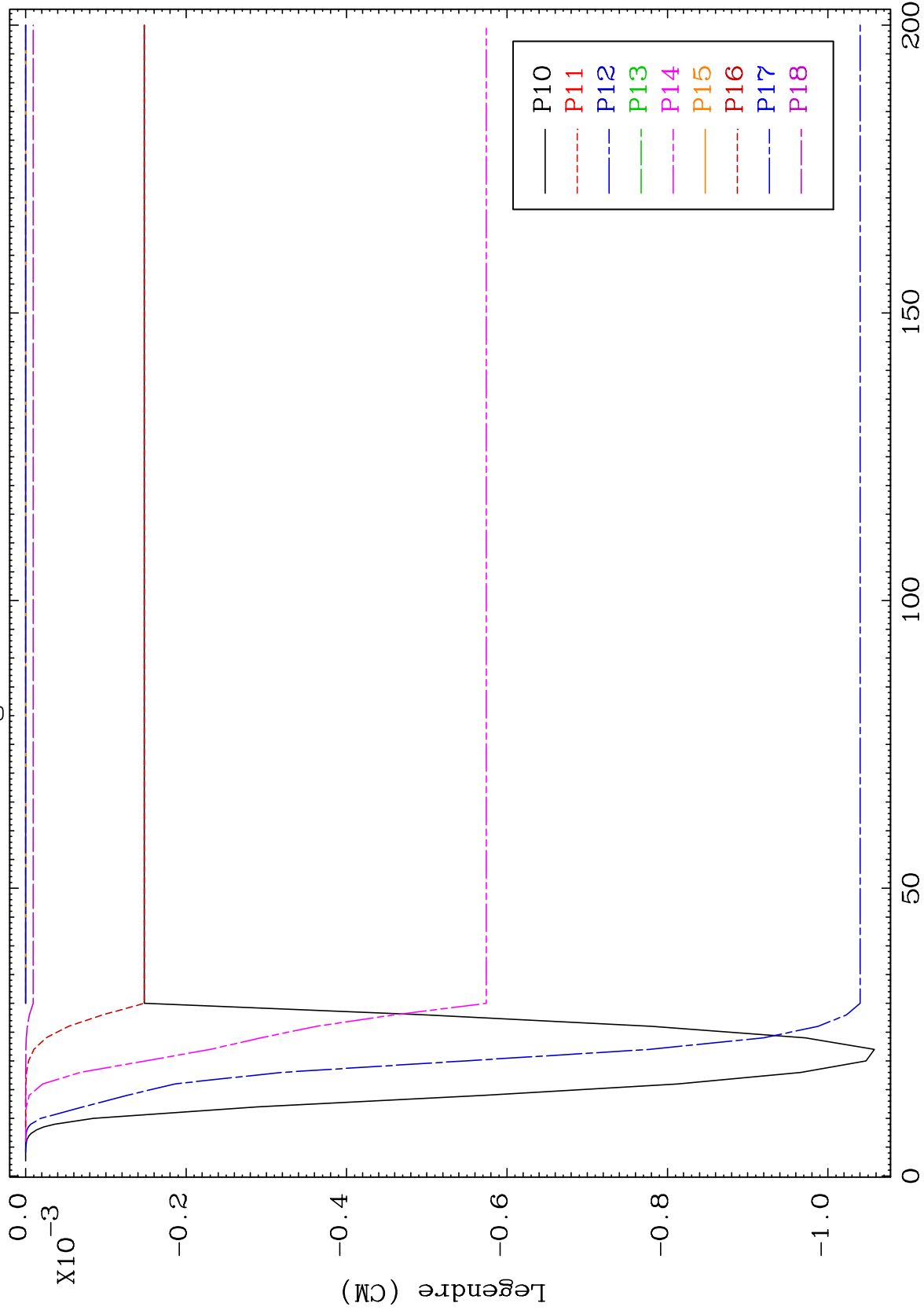




MAT 3931

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

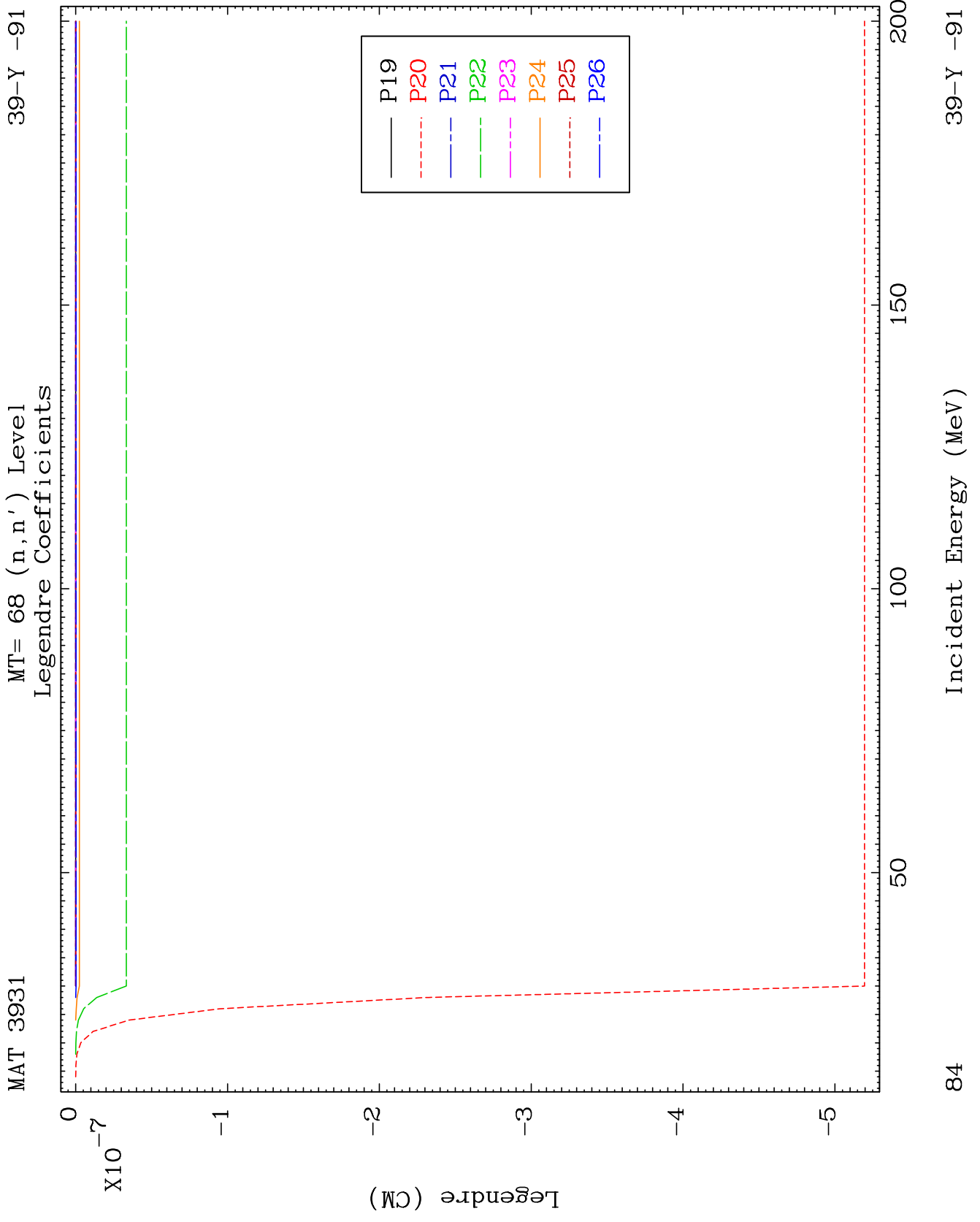
39-Y -91



83

Incident Energy (MeV)

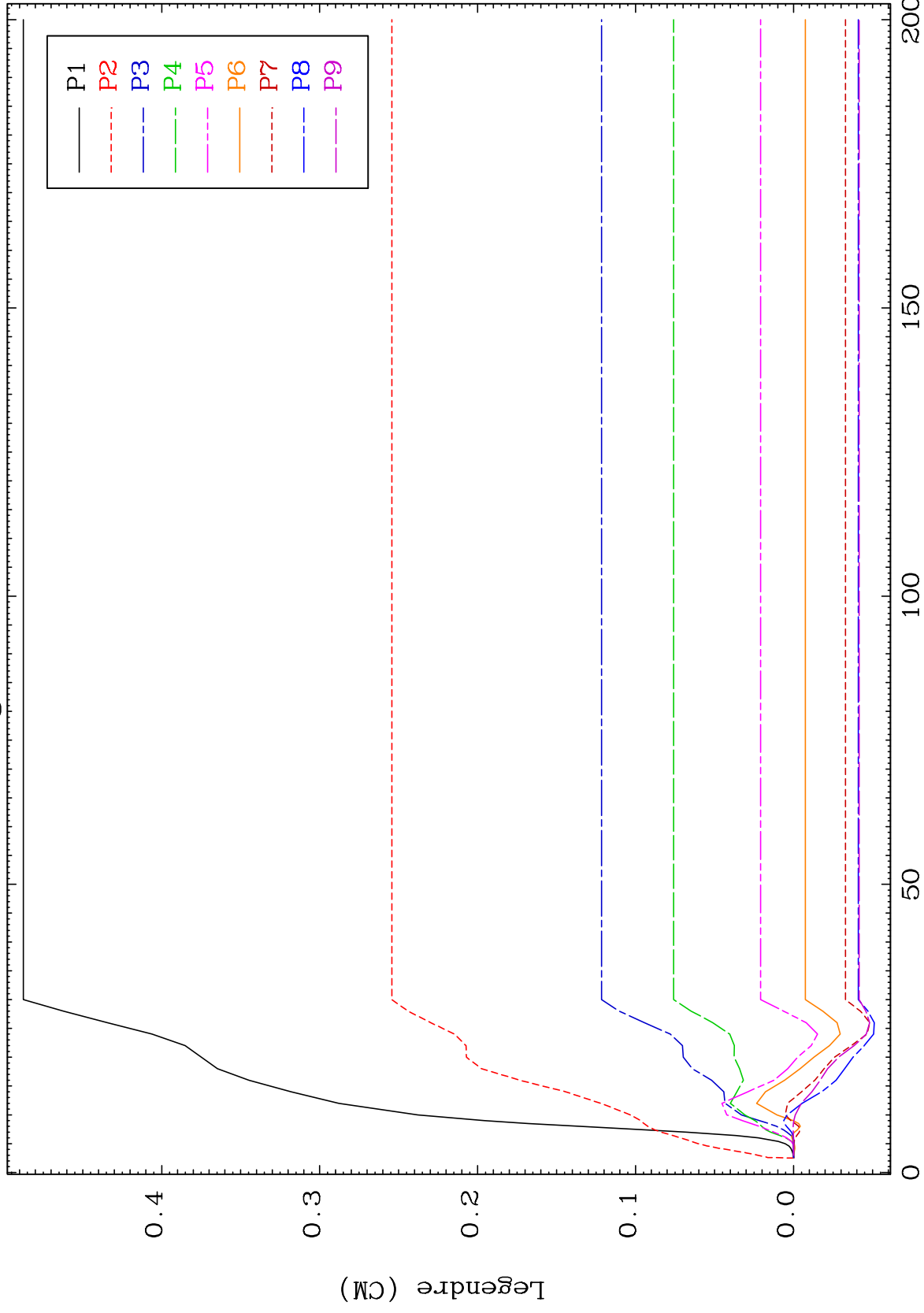
39-Y -91



MAT 3931

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

39-Y -91



85

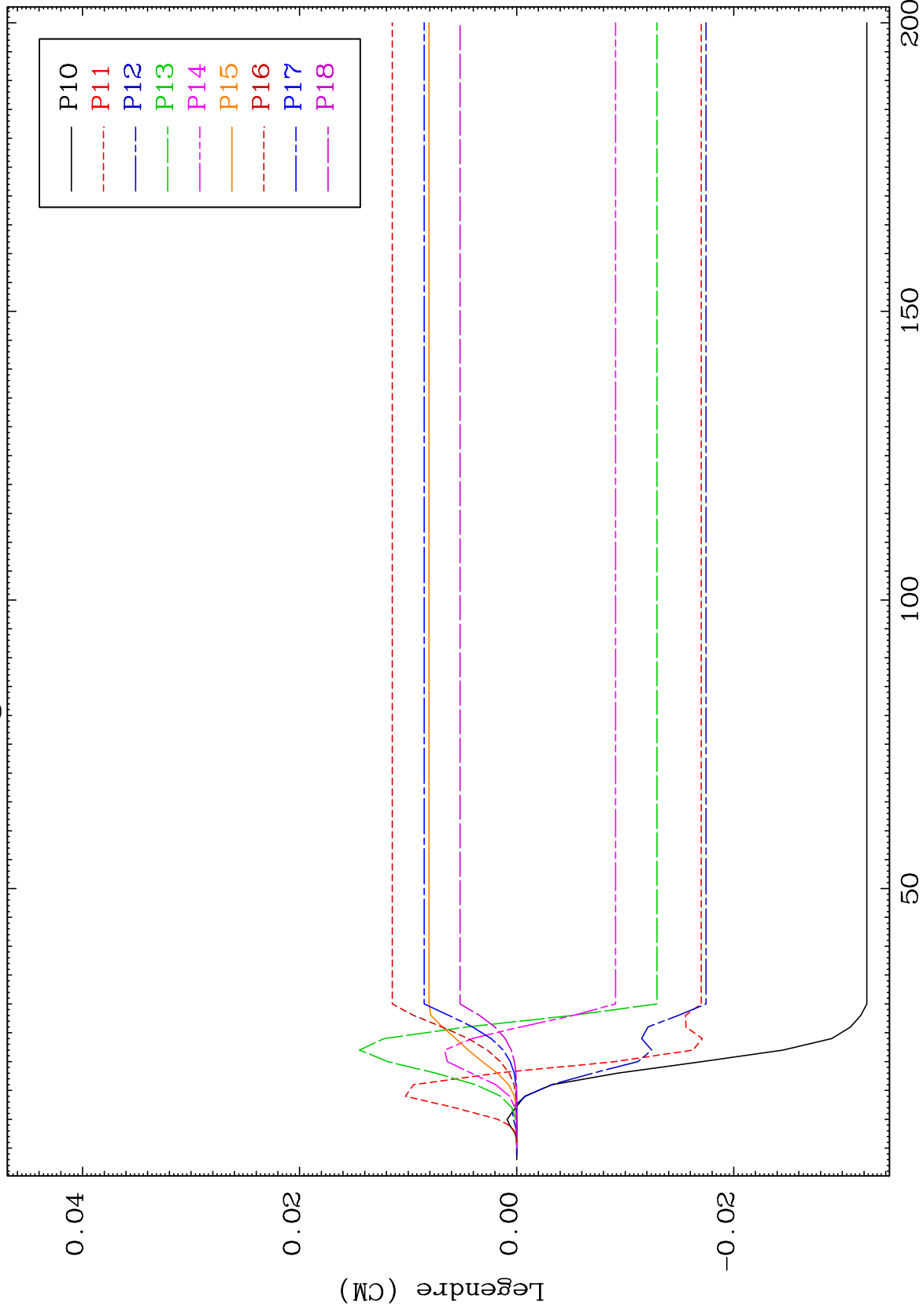
Incident Energy (MeV)

39-Y -91

MAT 3931

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

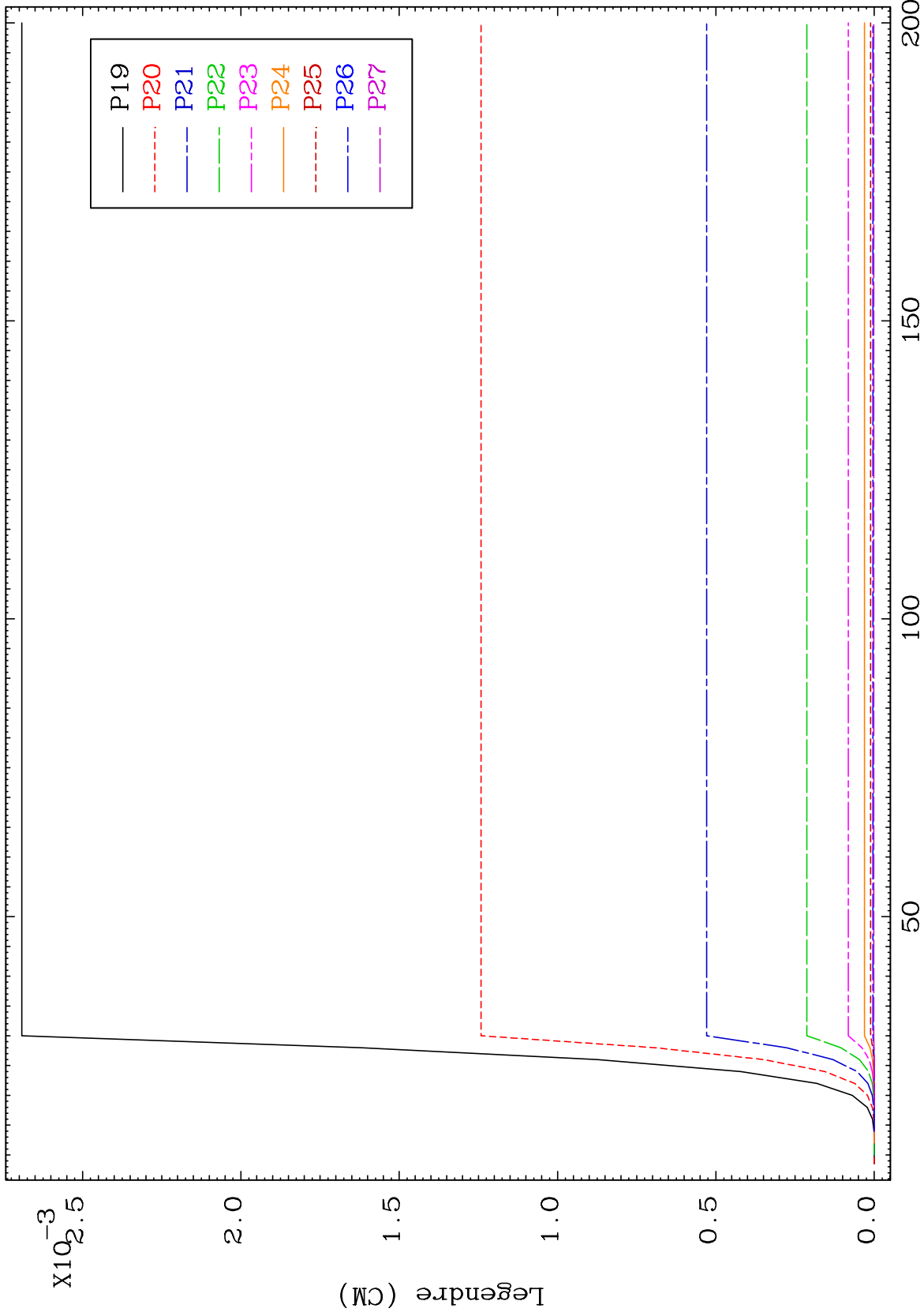
39-Y -91



86

Incident Energy (MeV)

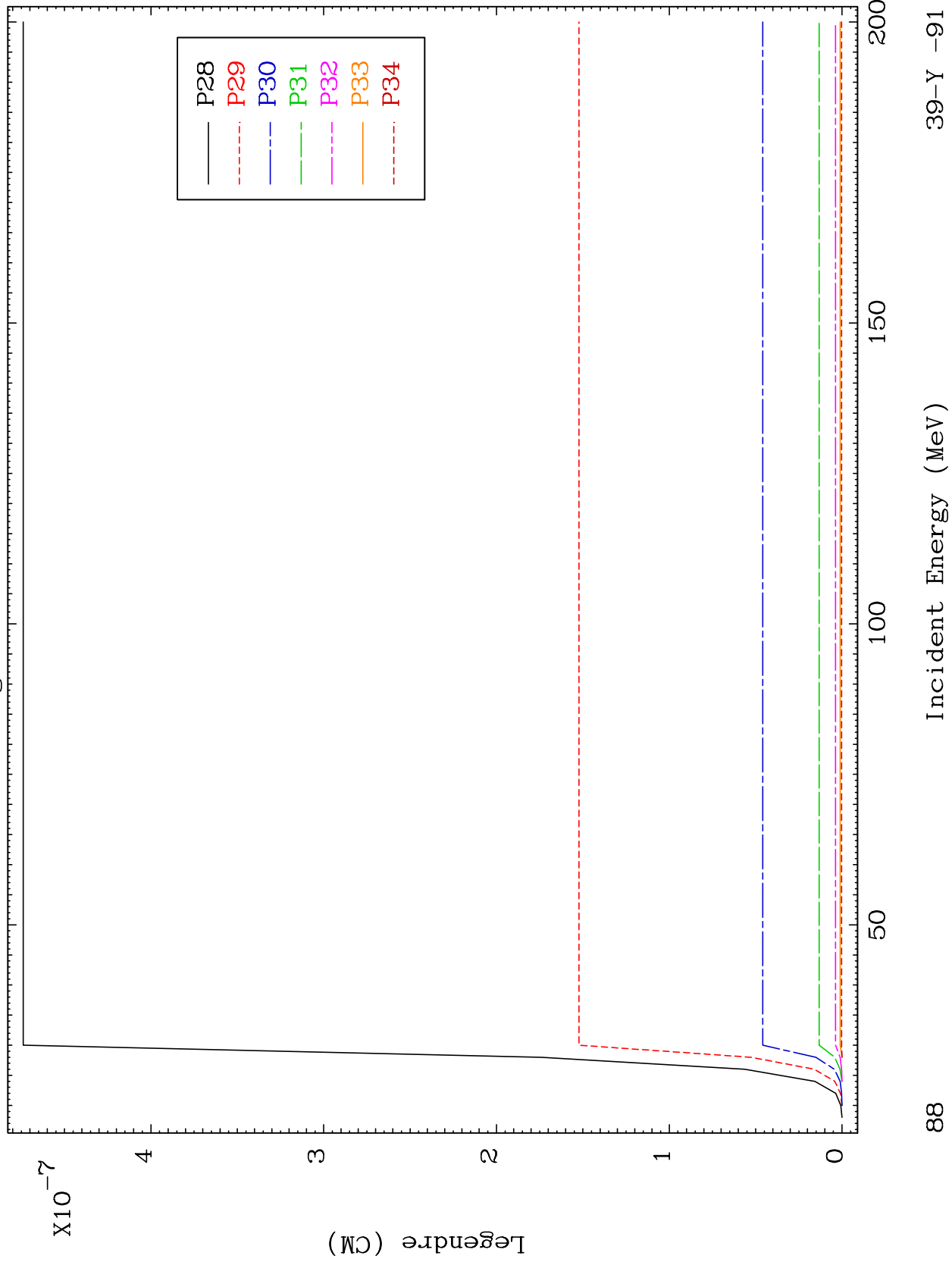
39-Y -91



MAT 3931

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

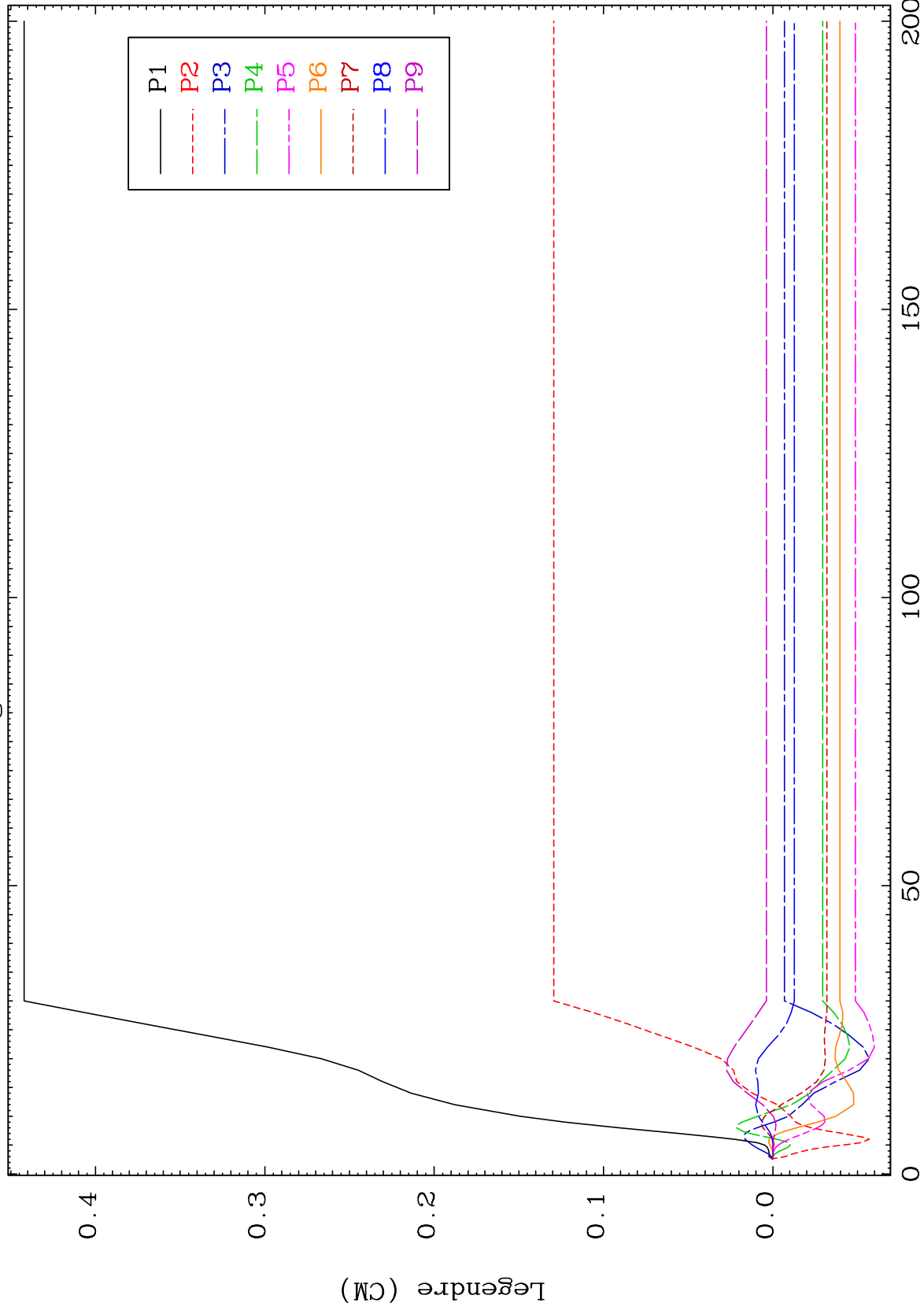
39-Y -91



MAT 3931

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

39-Y -91



89

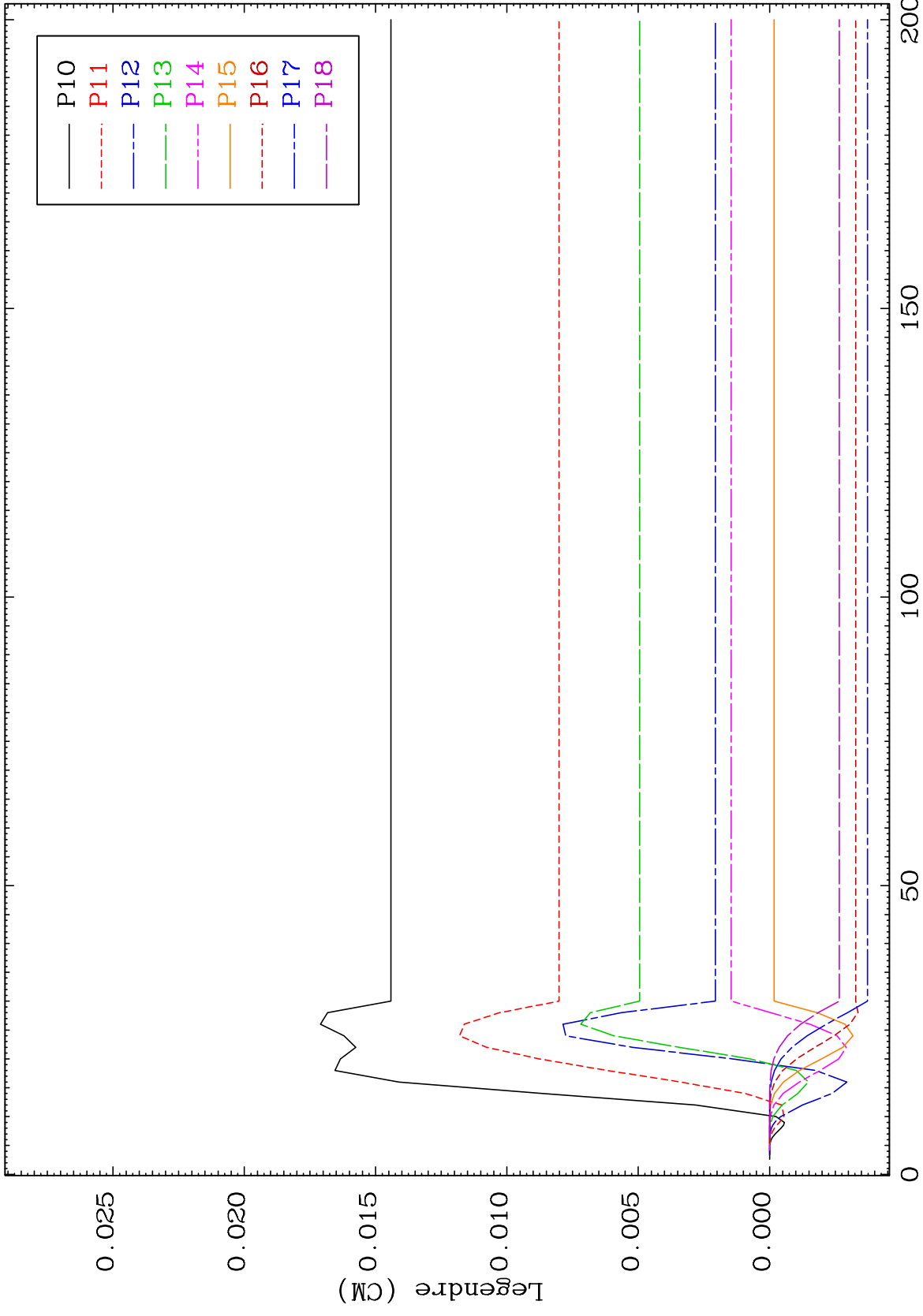
Incident Energy (MeV)

39-Y -91

MAT 3931

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

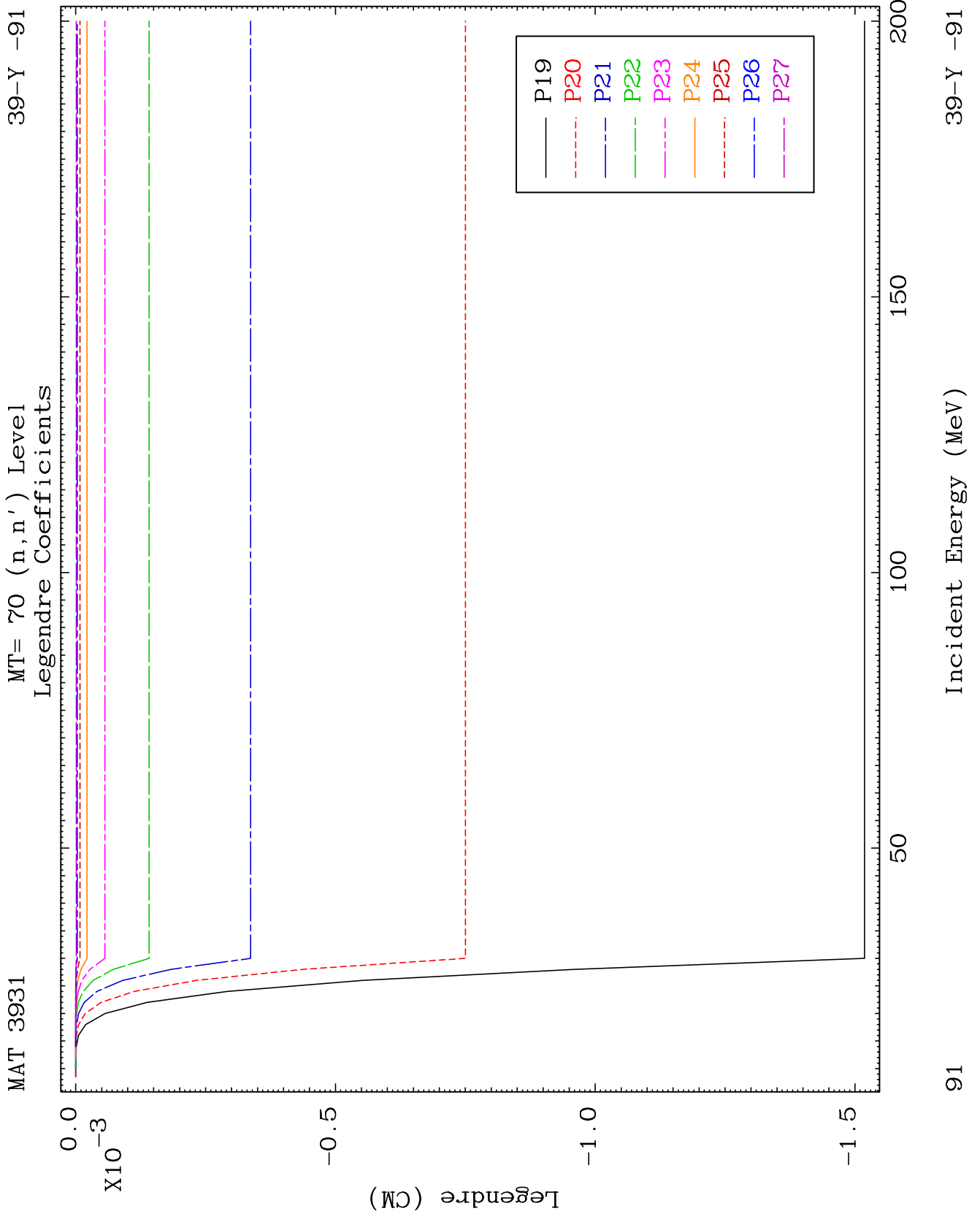
39-Y -91

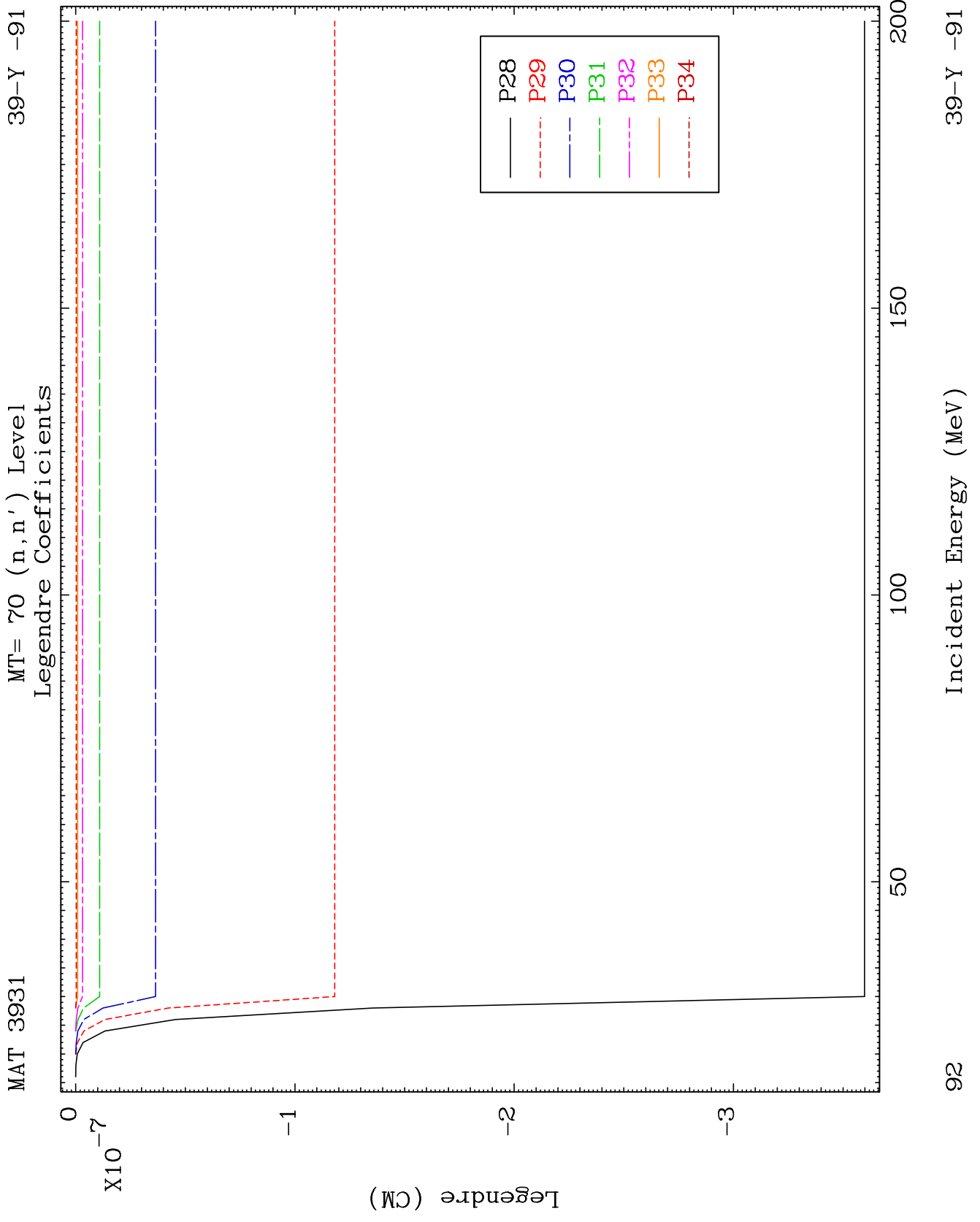


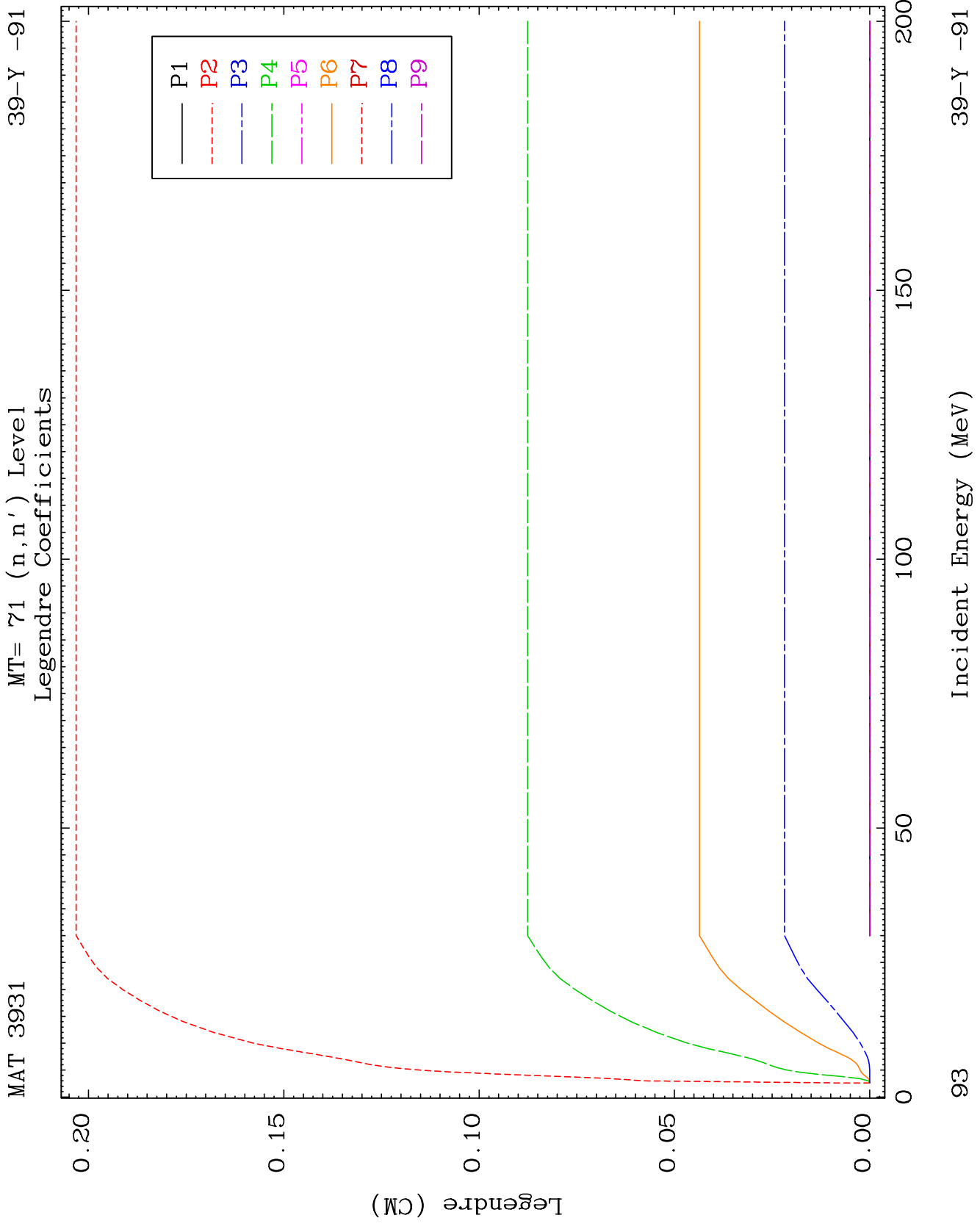
90

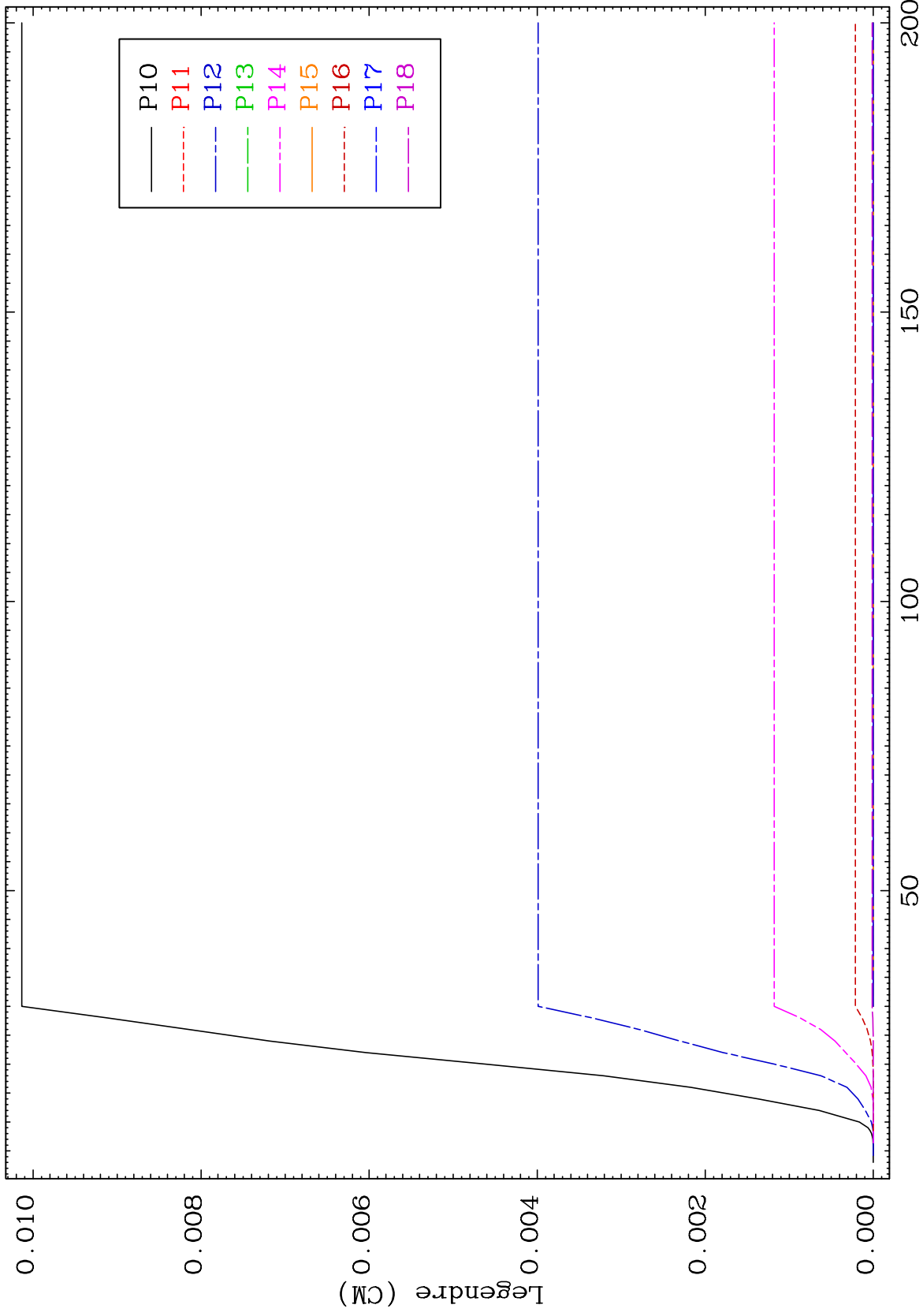
Incident Energy (MeV)

39-Y -91





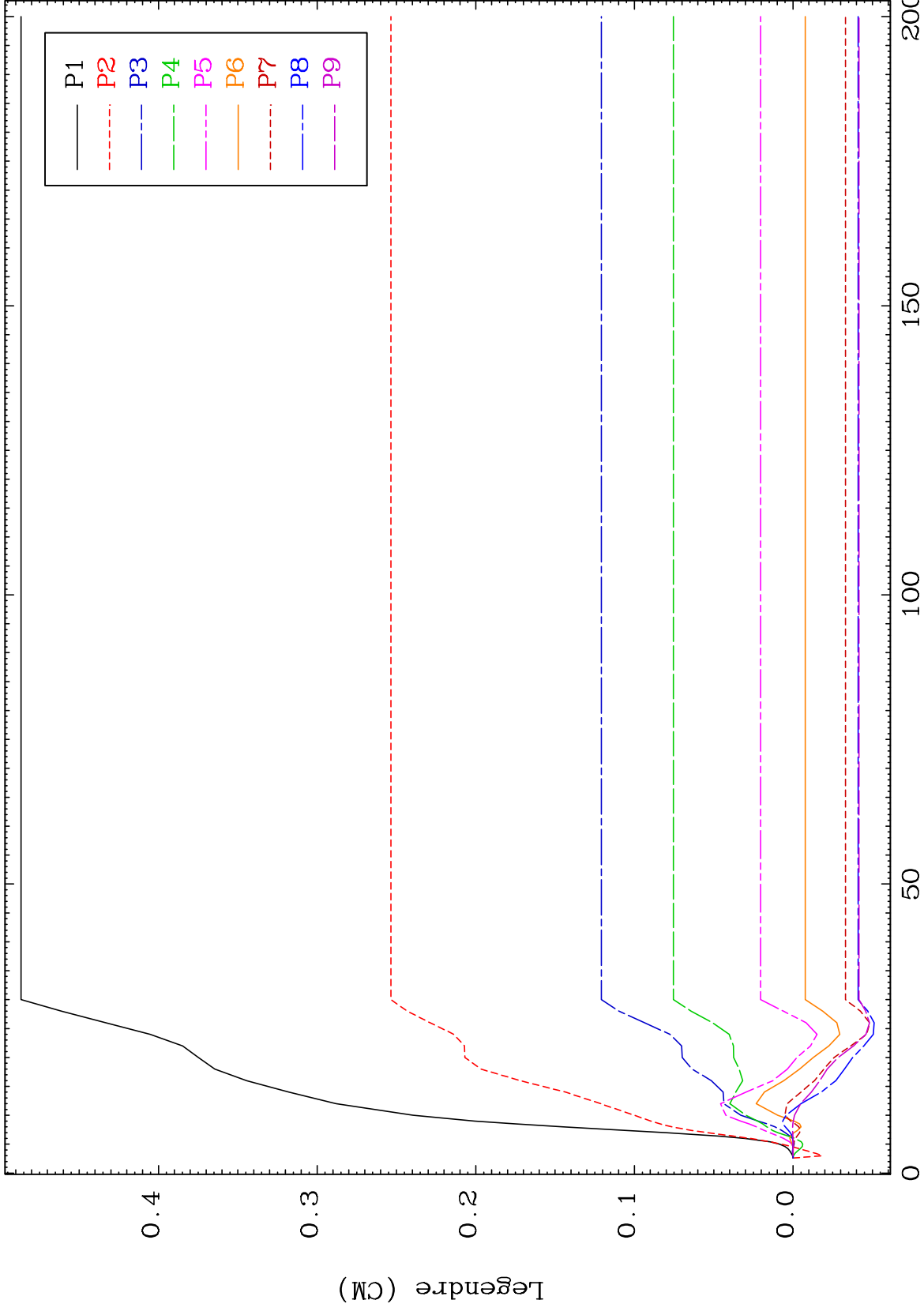




MAT 3931

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

39-Y -91



96

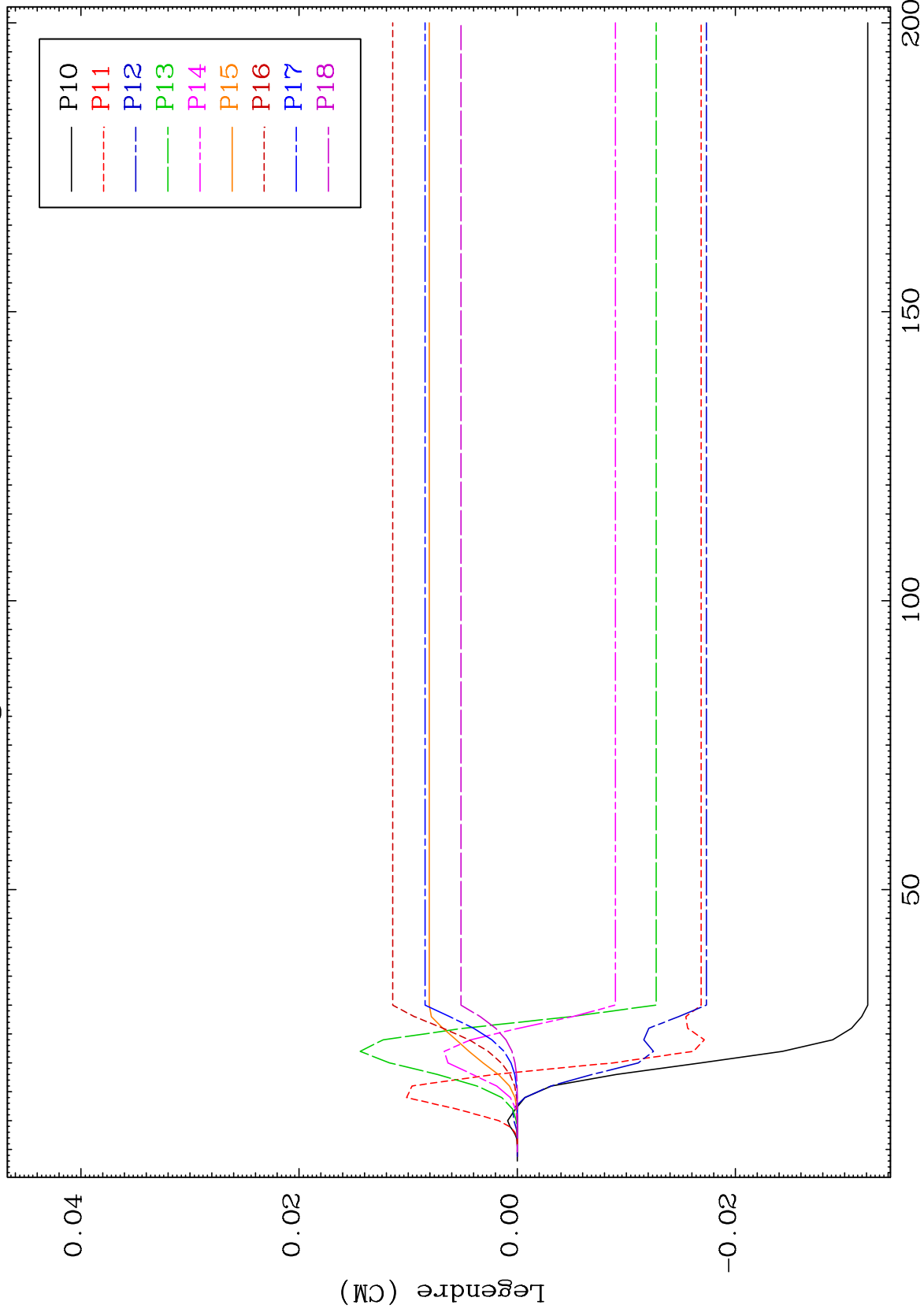
Incident Energy (MeV)

39-Y -91

MAT 3931

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

39-Y -91



97

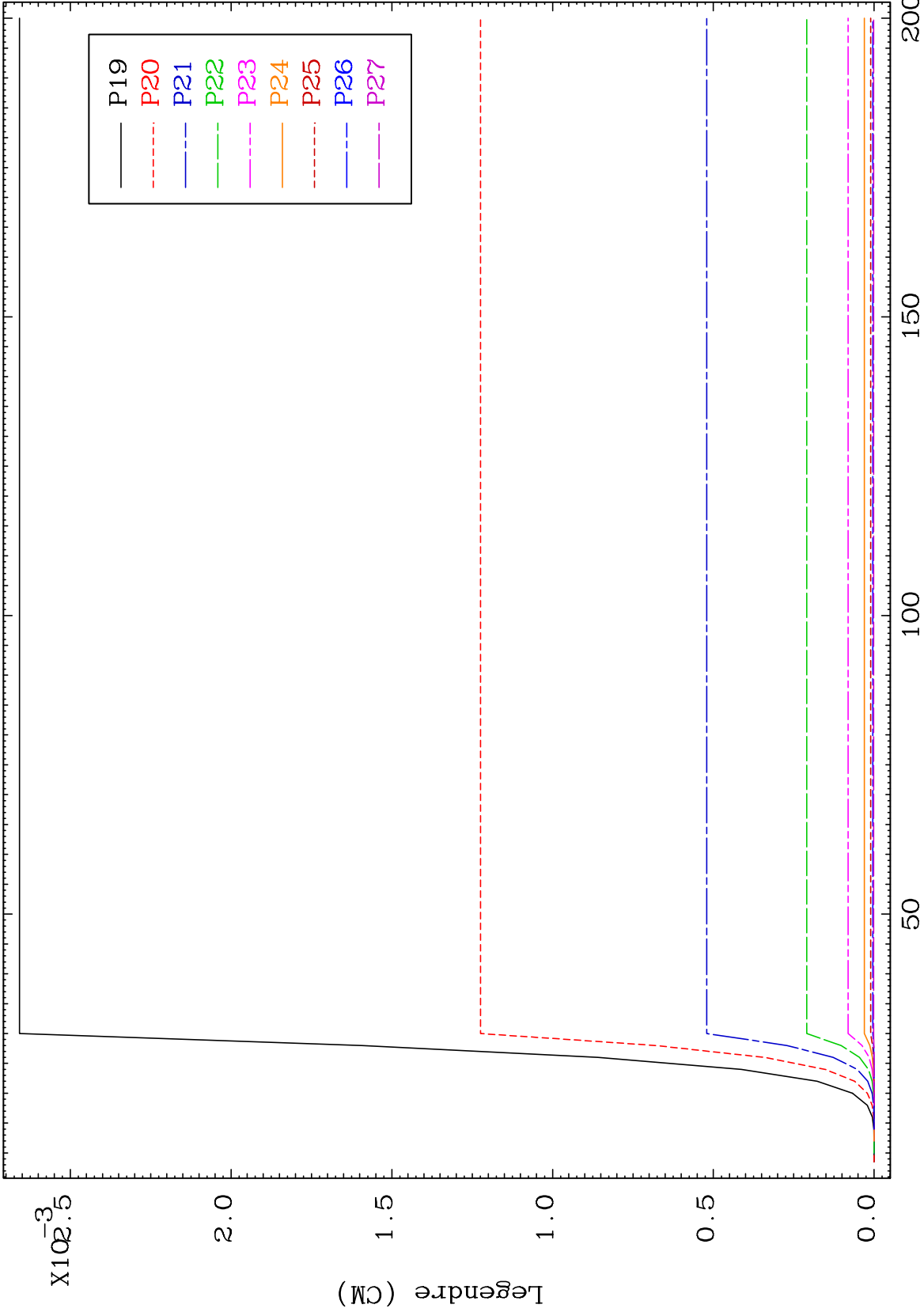
Incident Energy (MeV)

39-Y -91

MAT 3931

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

39-Y -91



98

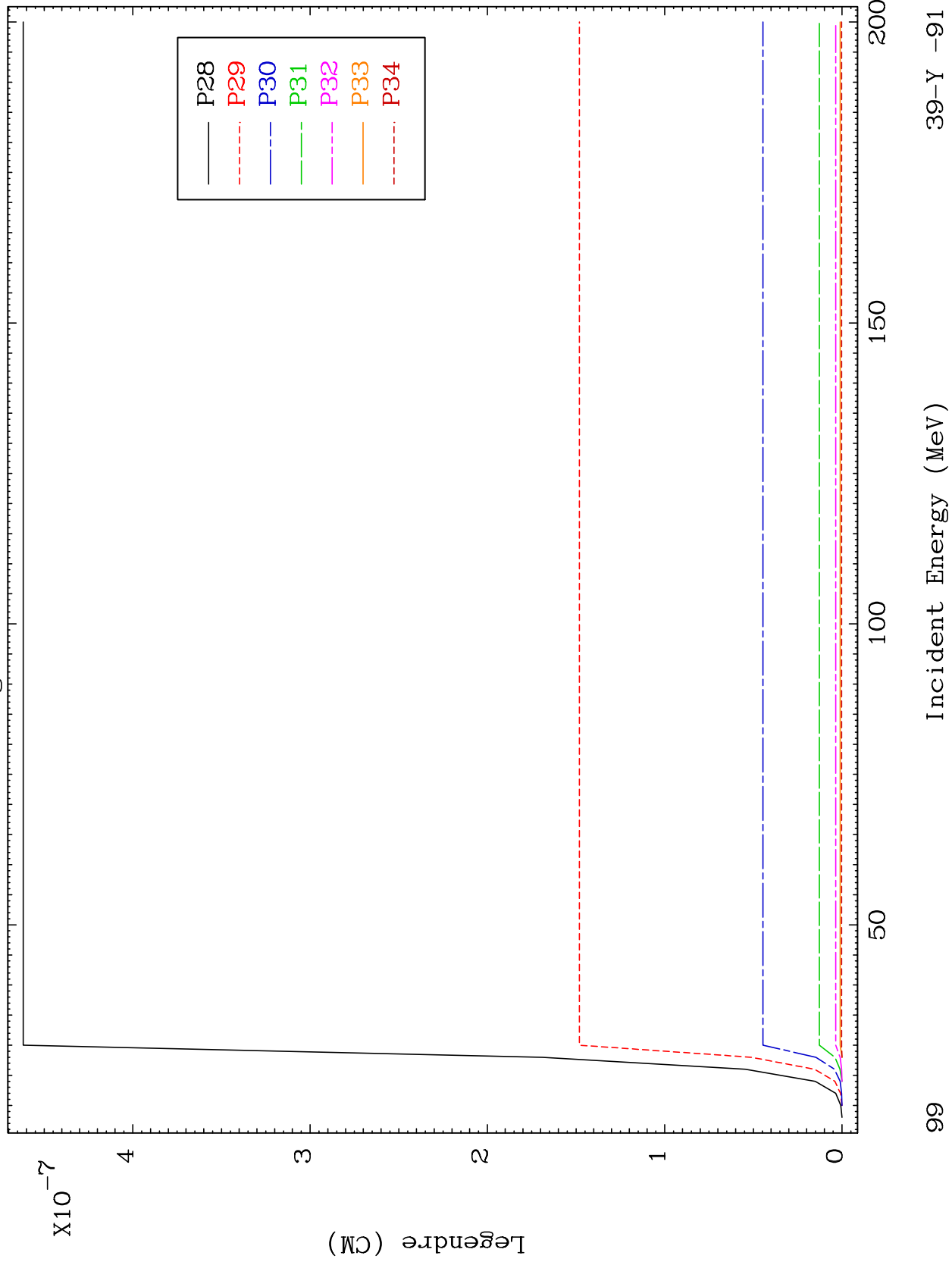
Incident Energy (MeV)

39-Y -91

MAT 3931

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

39-Y -91



99

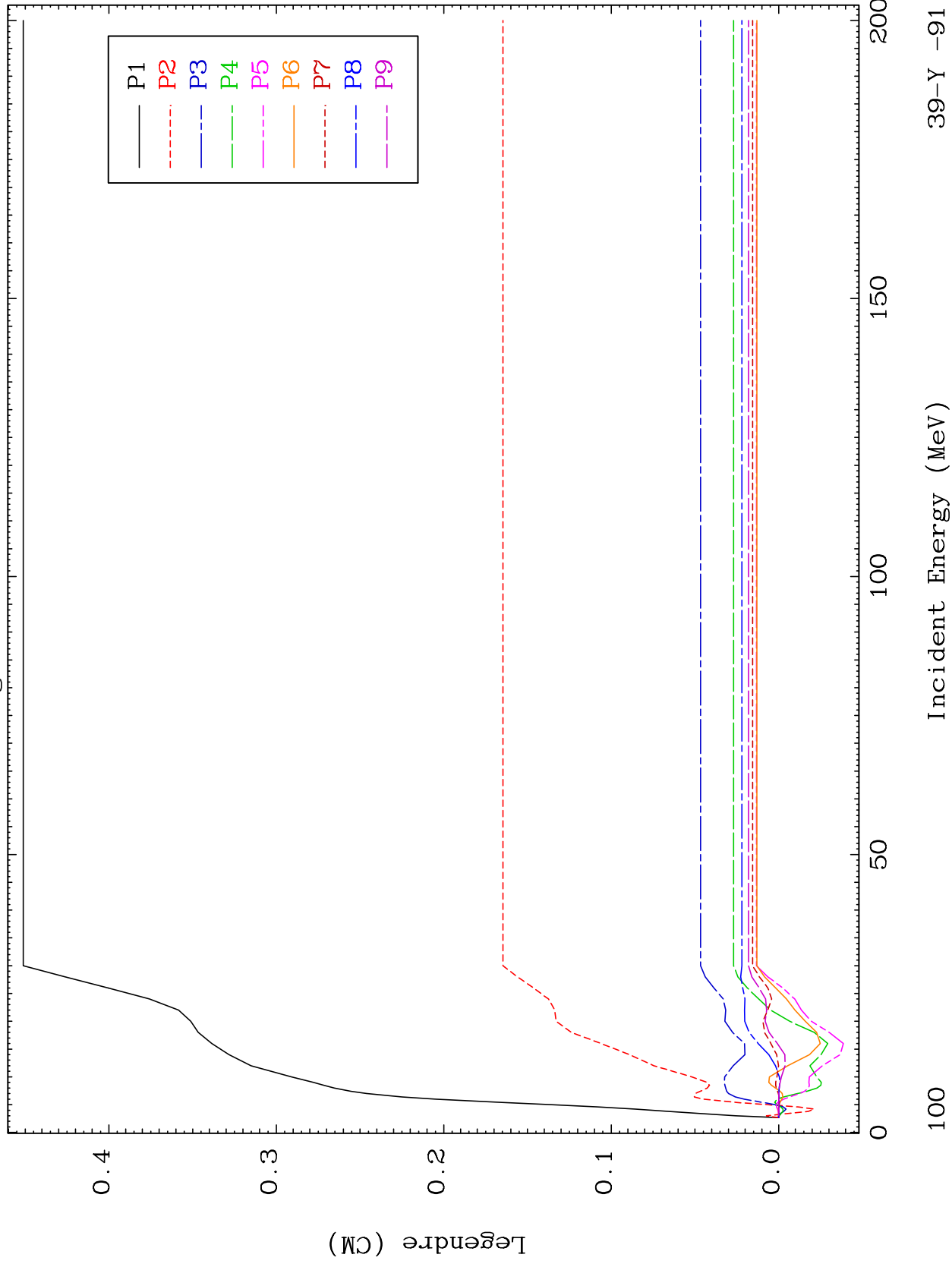
Incident Energy (MeV)

39-Y -91

MAT 3931

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

39-Y -91

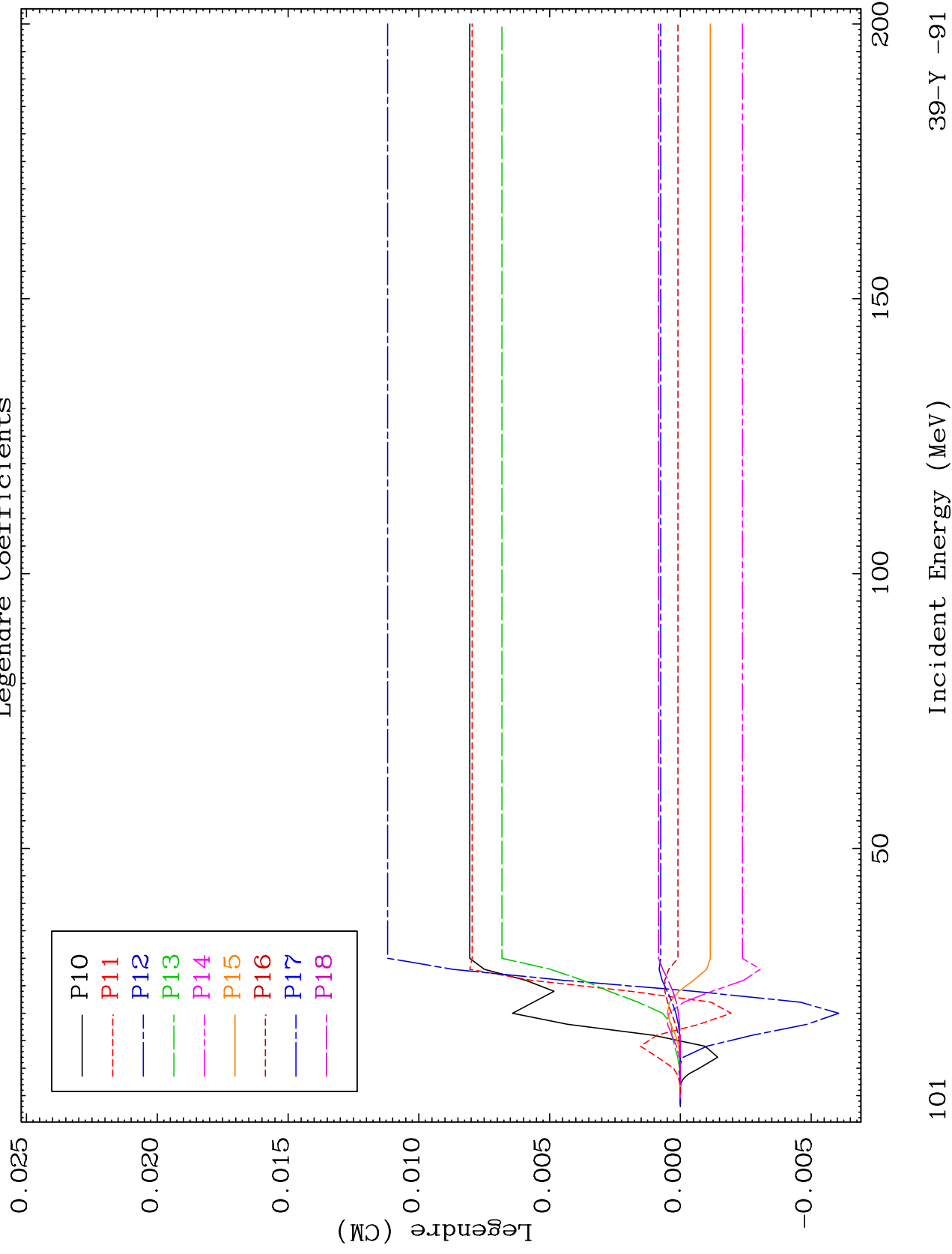


39-Y -91

MAT 3931

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

39-Y -91



101

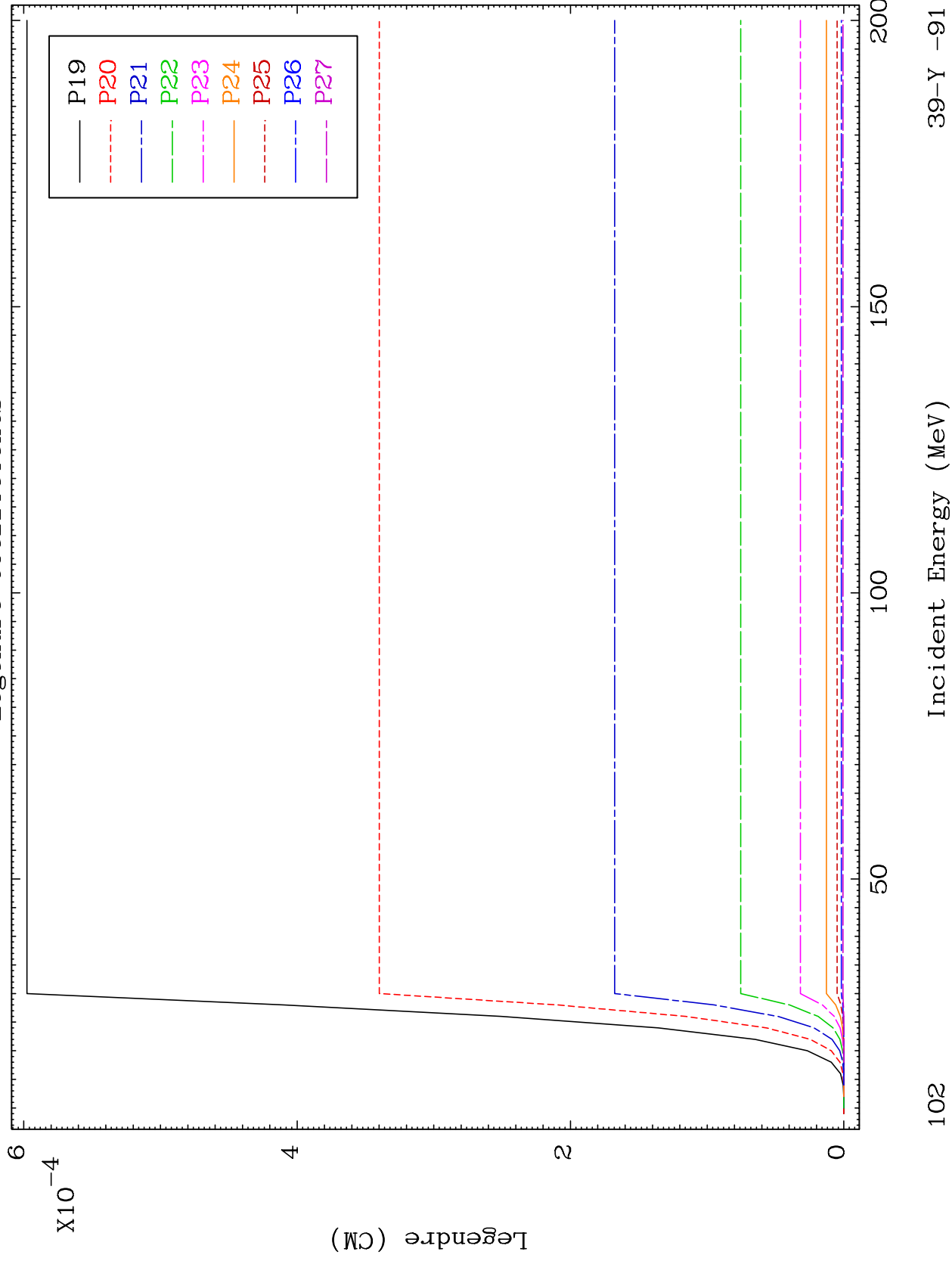
Incident Energy (MeV)

39-Y -91

MAT 3931

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

39-Y -91



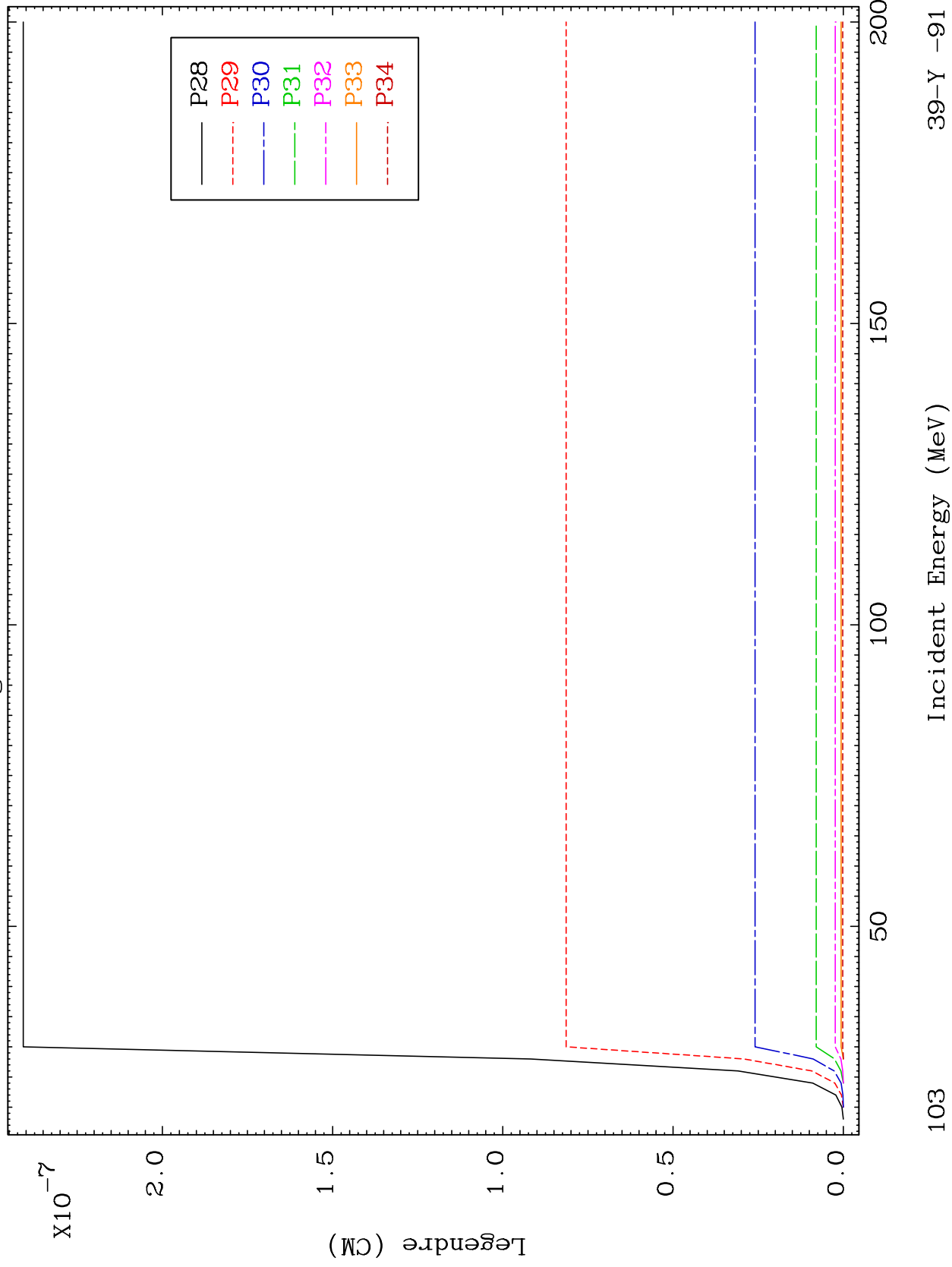
102

39-Y -91

MAT 3931

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

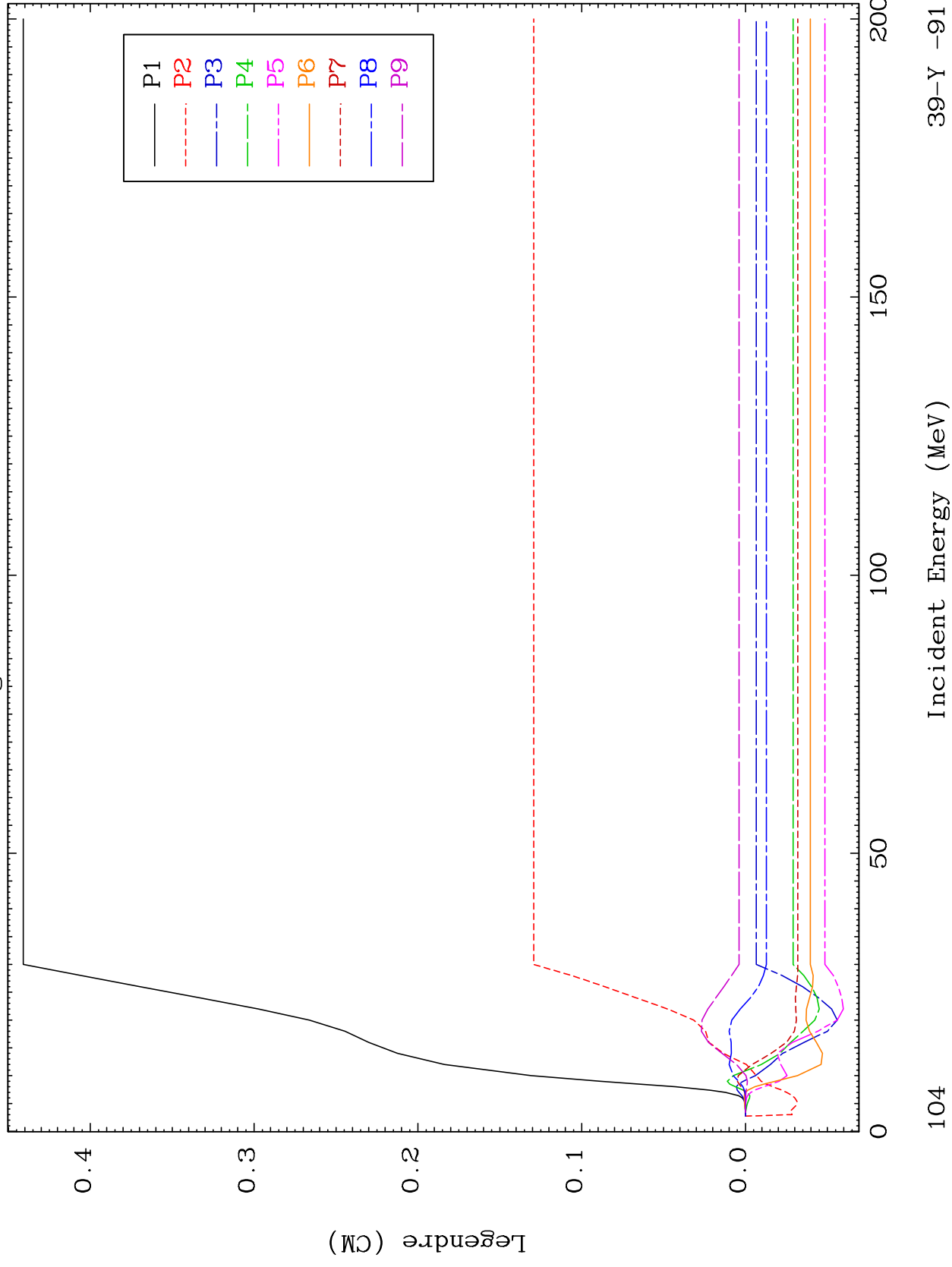
39-Y -91



MAT 3931

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

39-Y -91



104

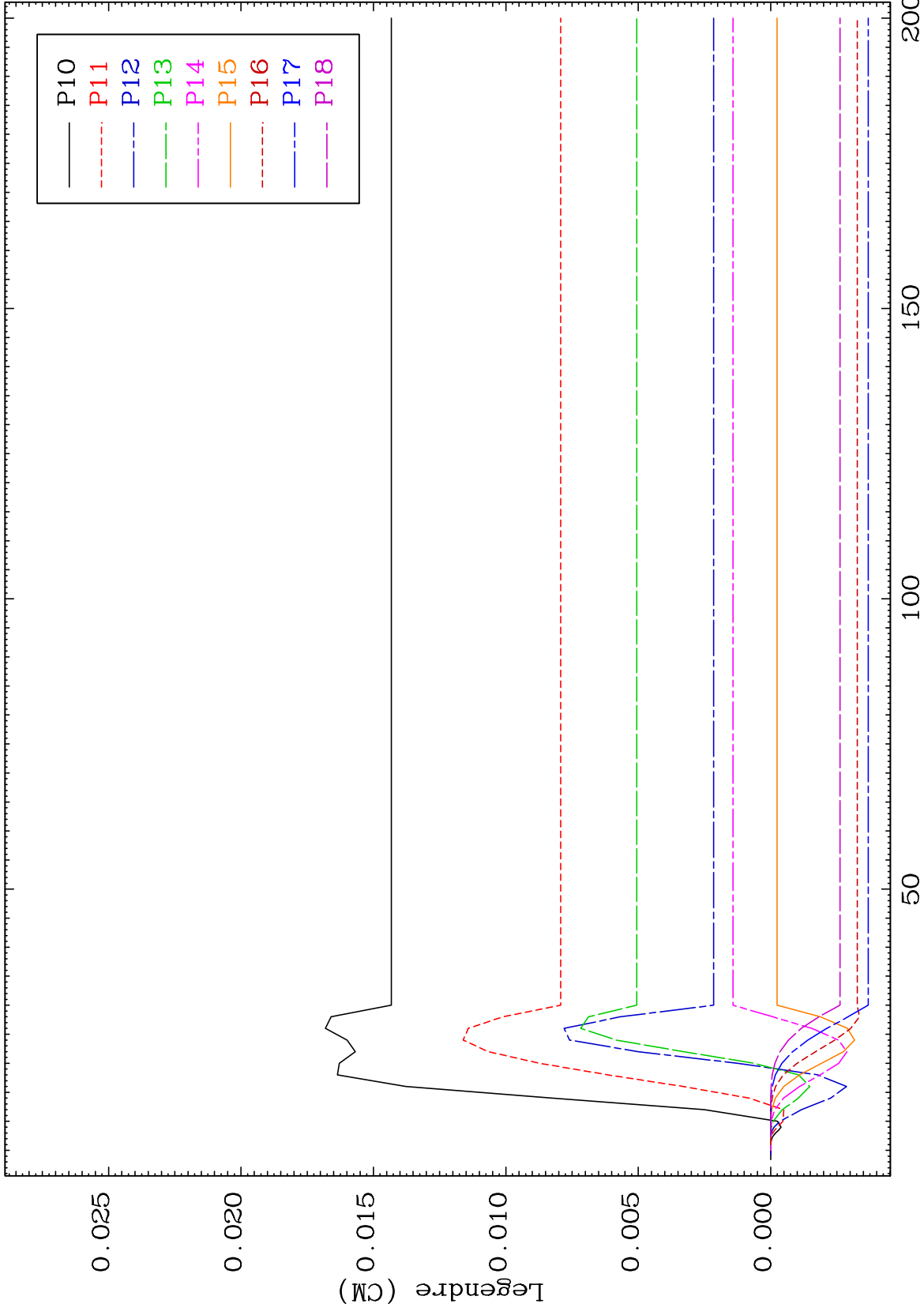
Incident Energy (MeV)

39-Y -91

MAT 3931

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

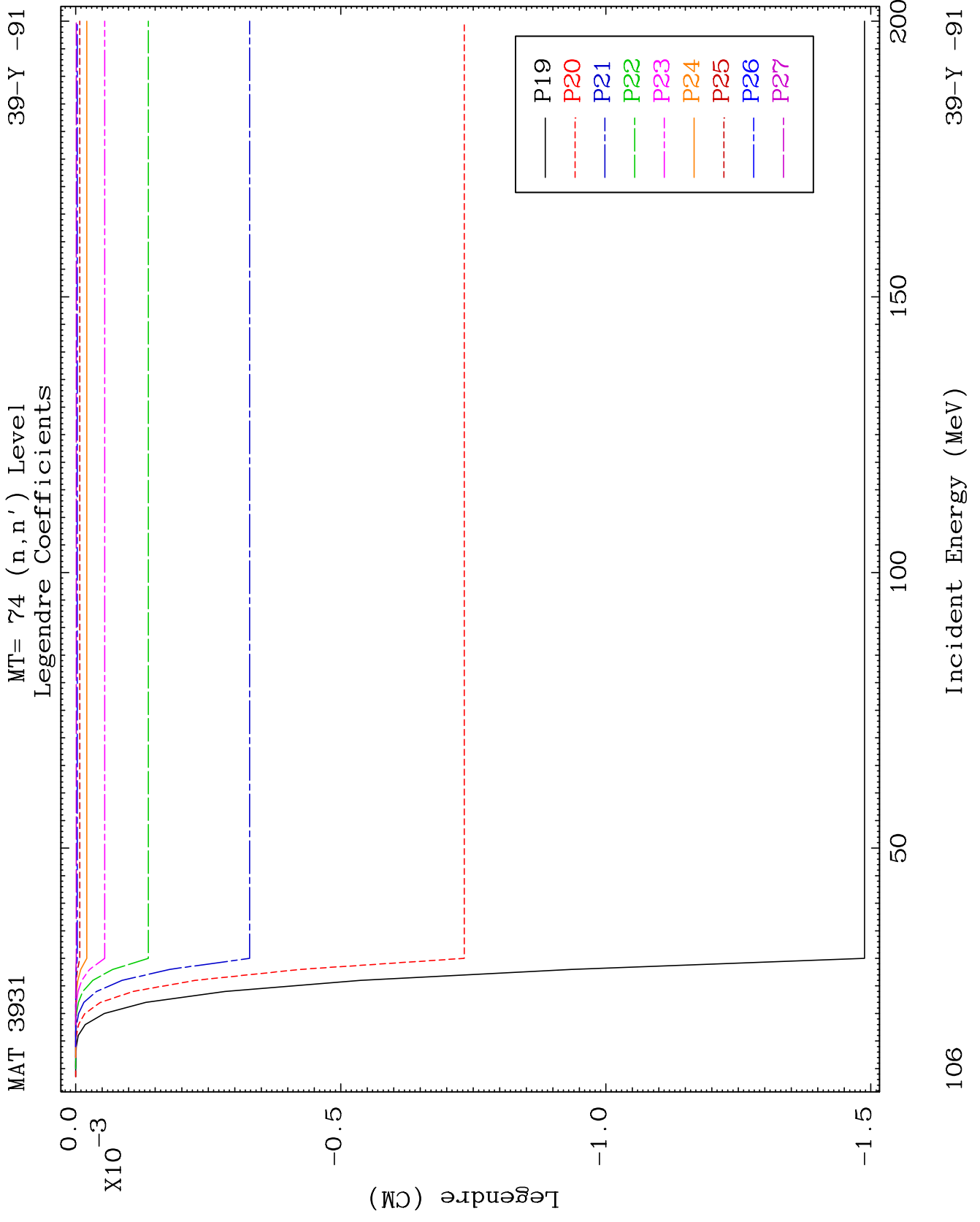
39-Y -91

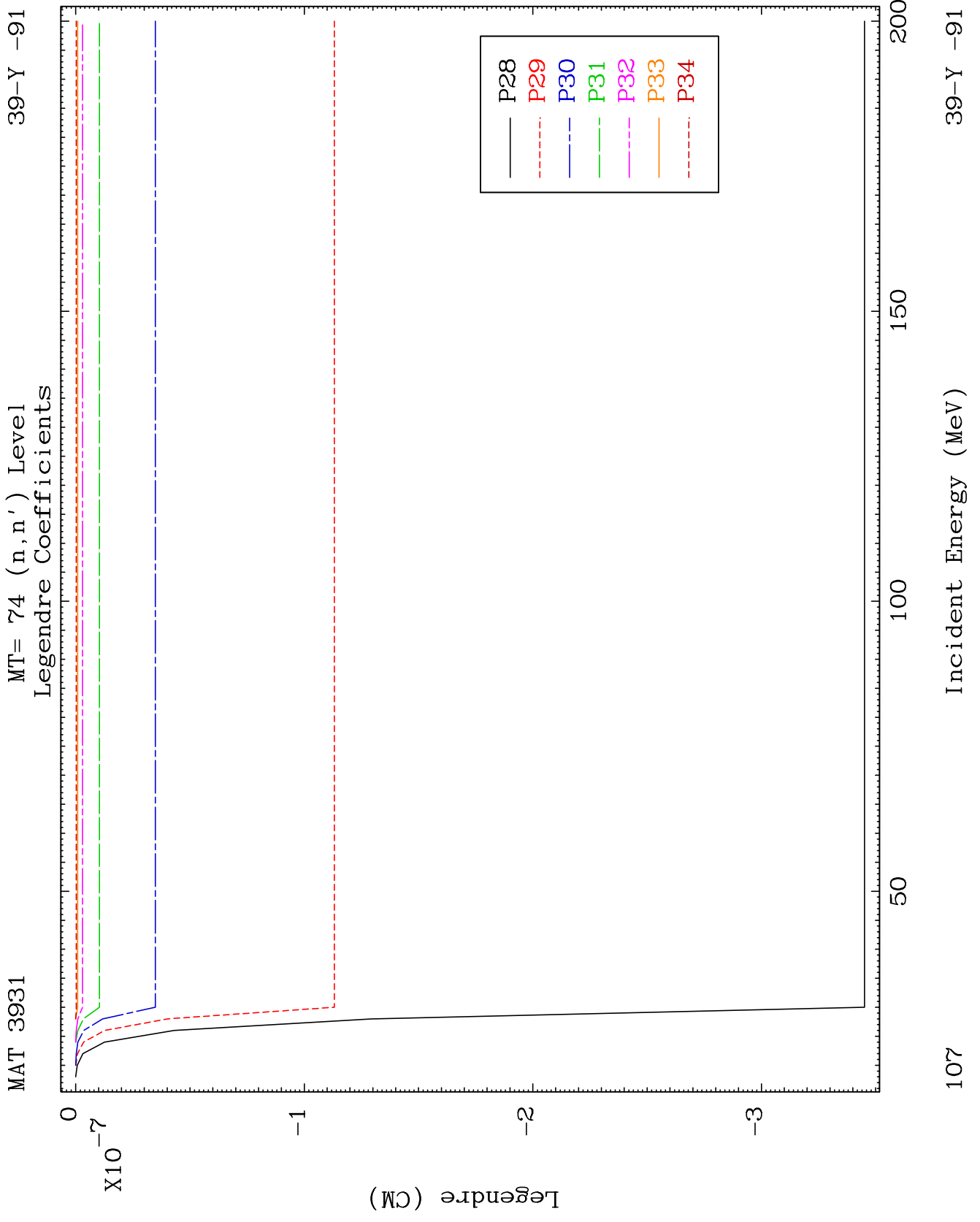


105

Incident Energy (MeV)

39-Y -91

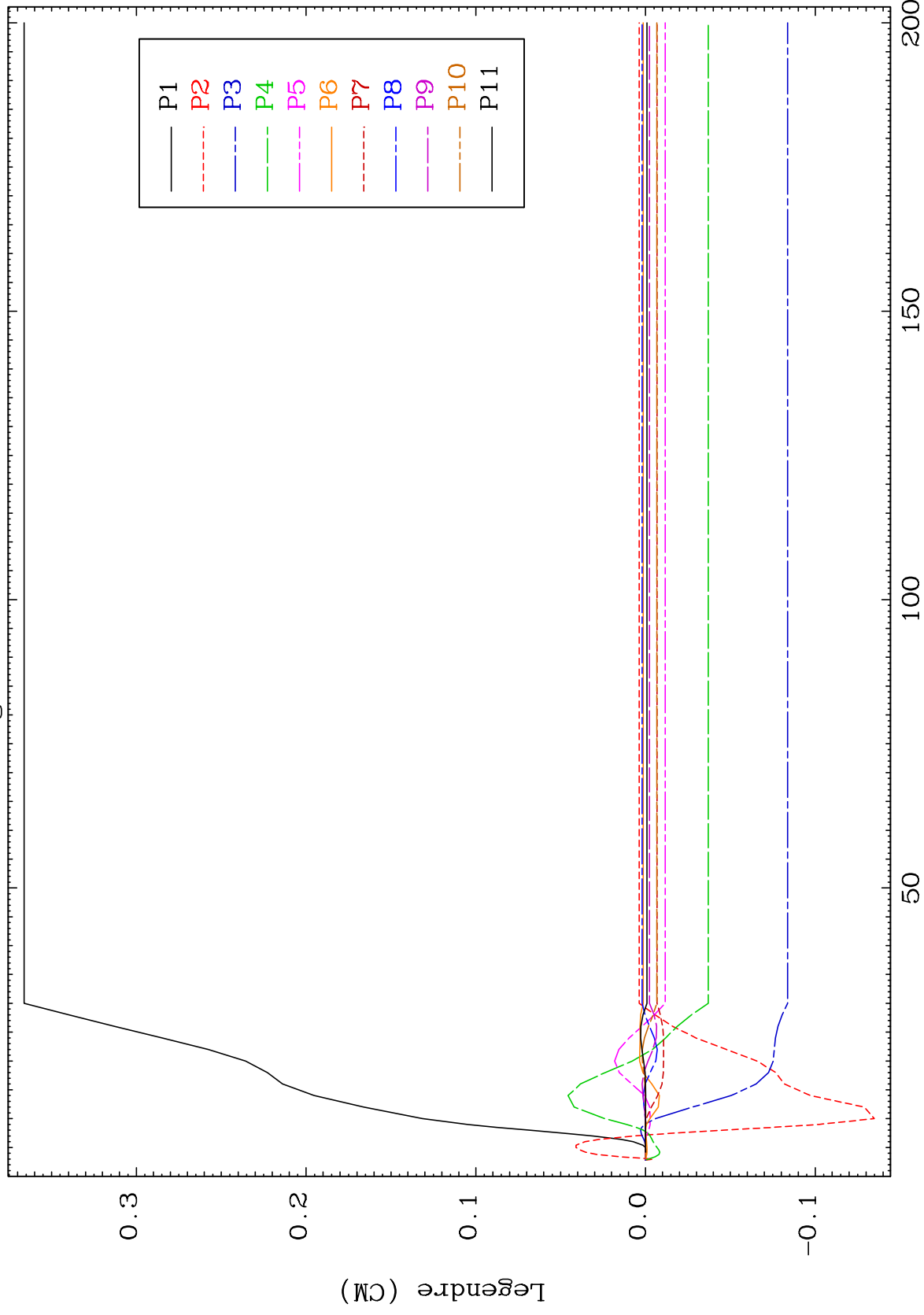




MAT 3931

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

39-Y -91



108

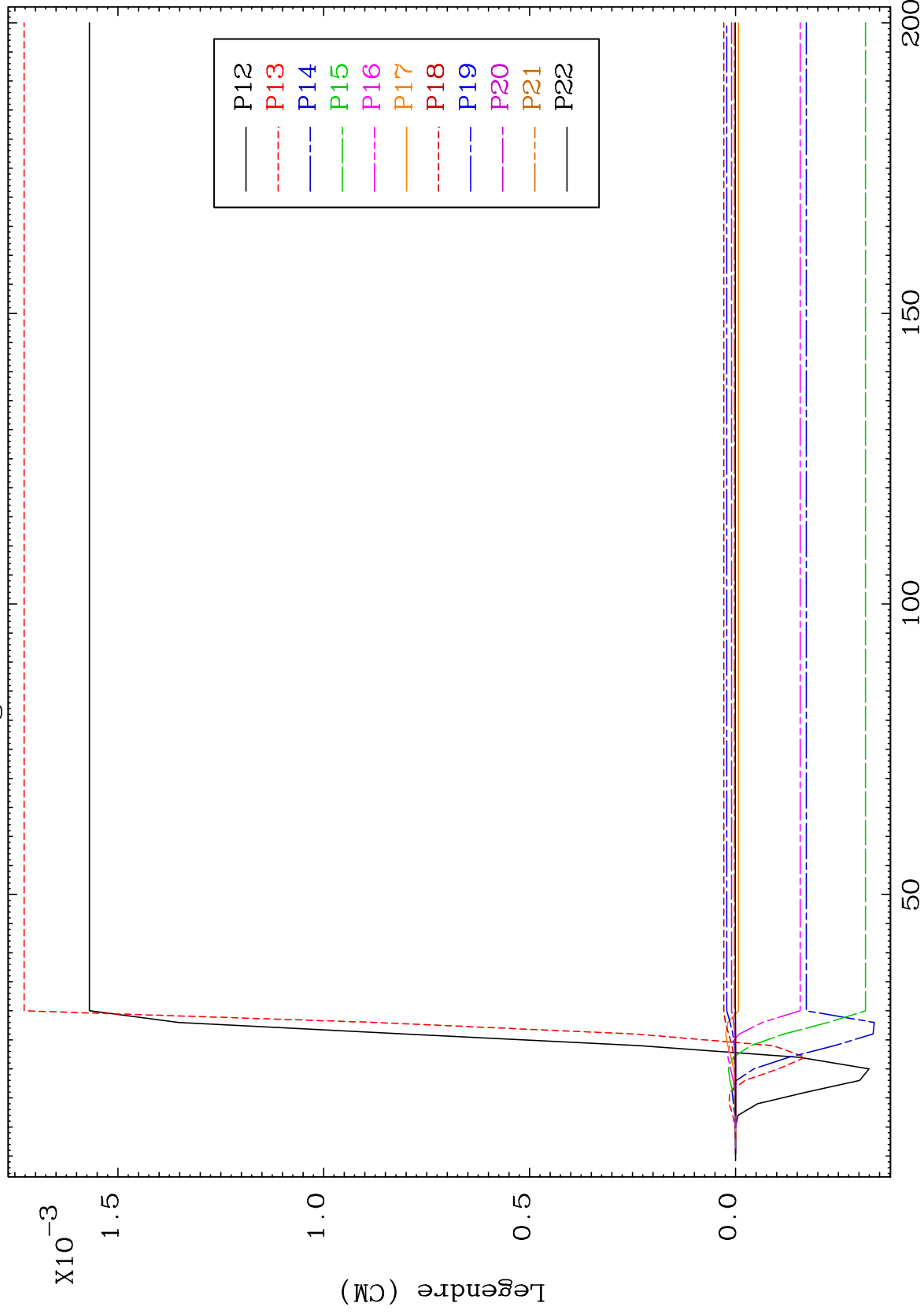
Incident Energy (MeV)

39-Y -91

MAT 3931

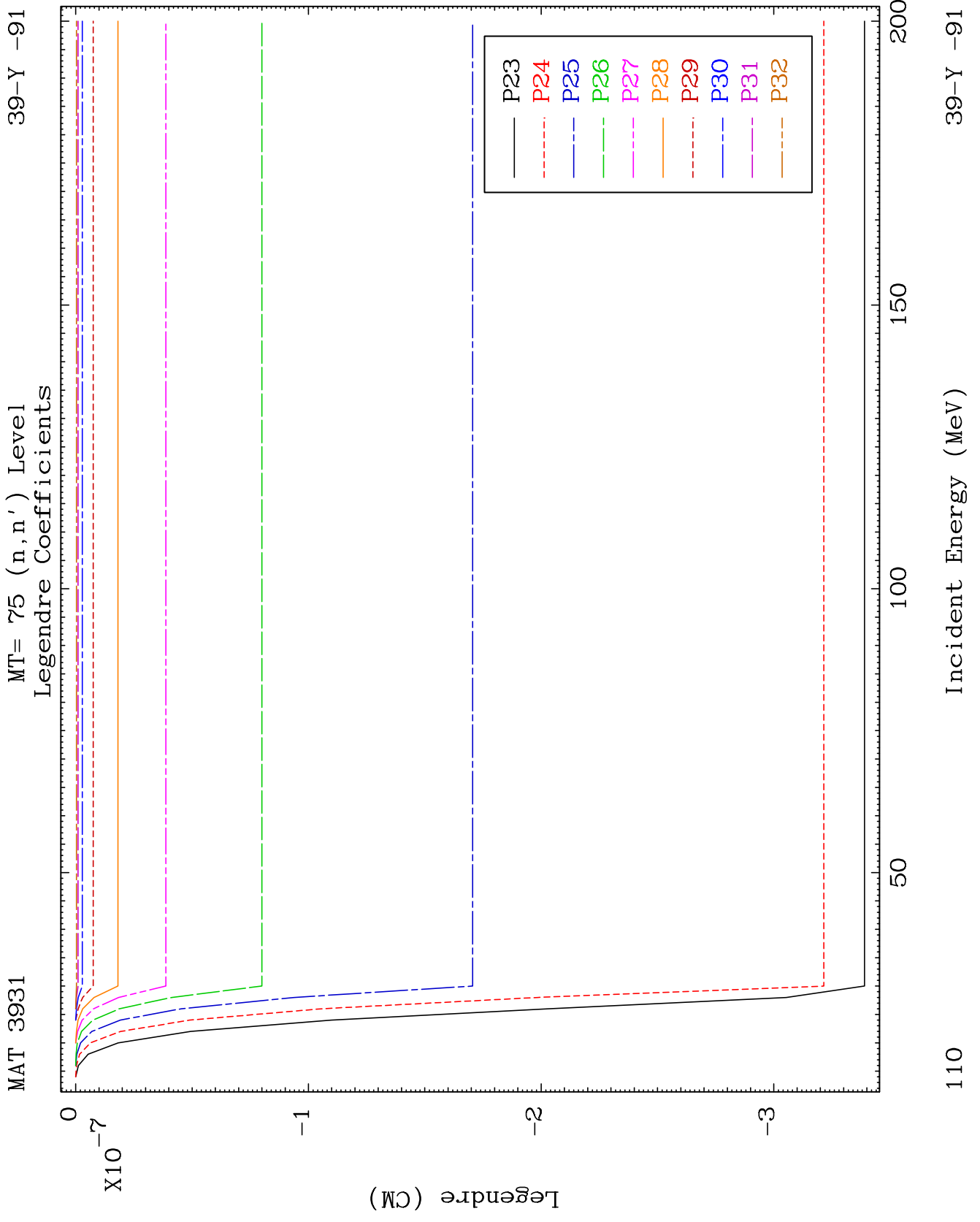
MT= 75 (n,n') Level
Legendre Coefficients

39-Y -91



109

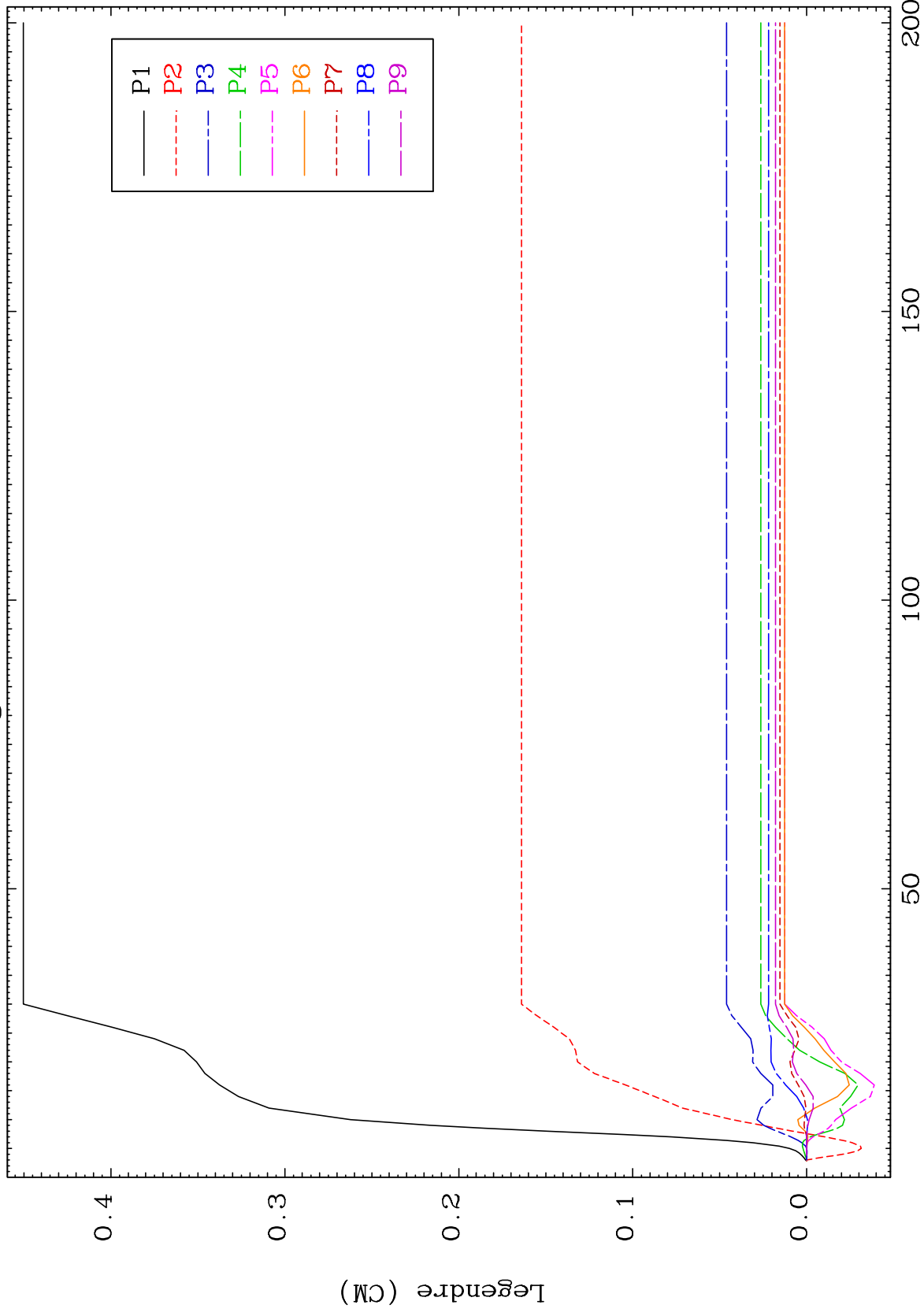
39-Y -91



MAT 3931

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

39-Y -91



111

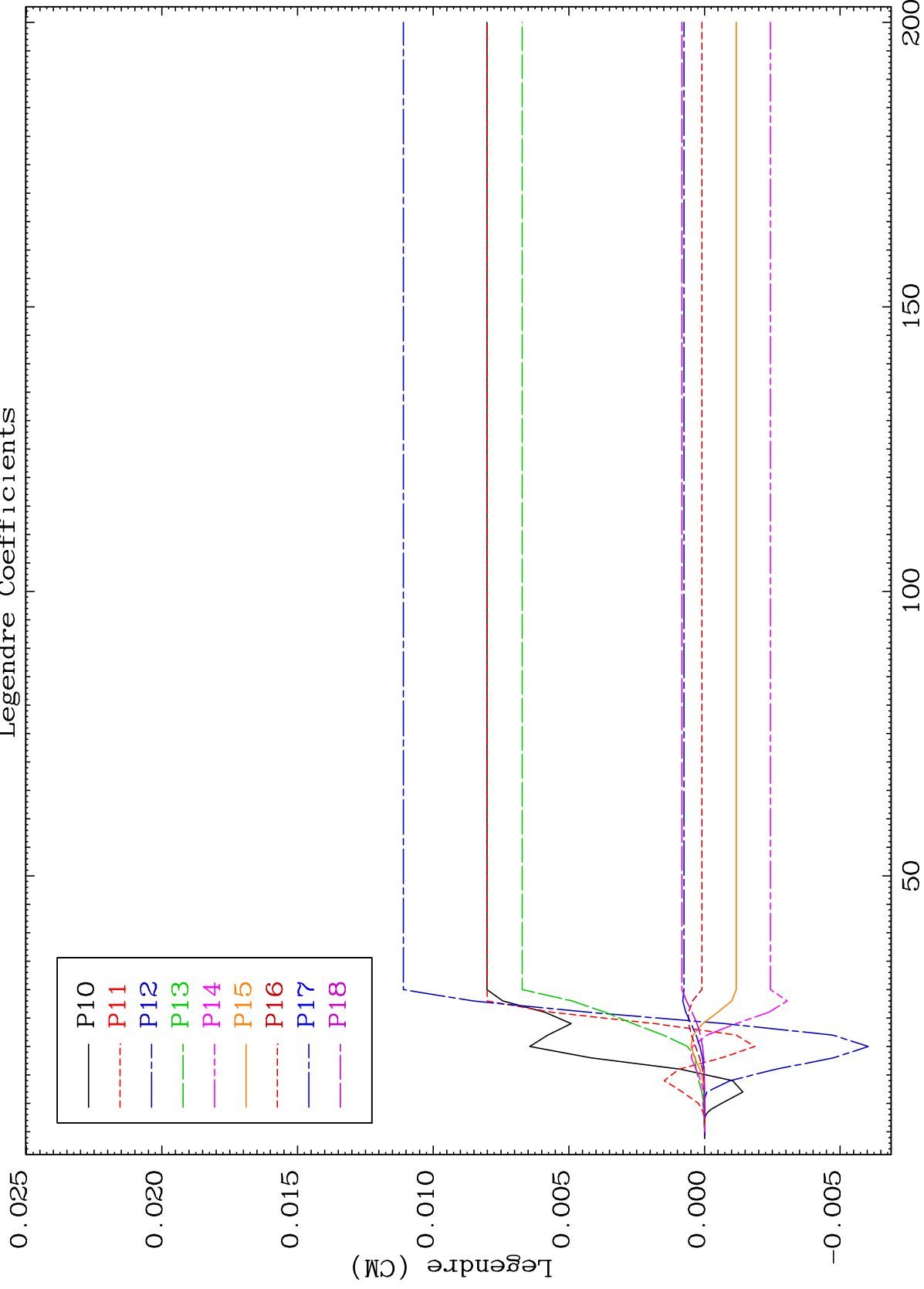
Incident Energy (MeV)

39-Y -91

MAT 3931

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

39-Y -91



112

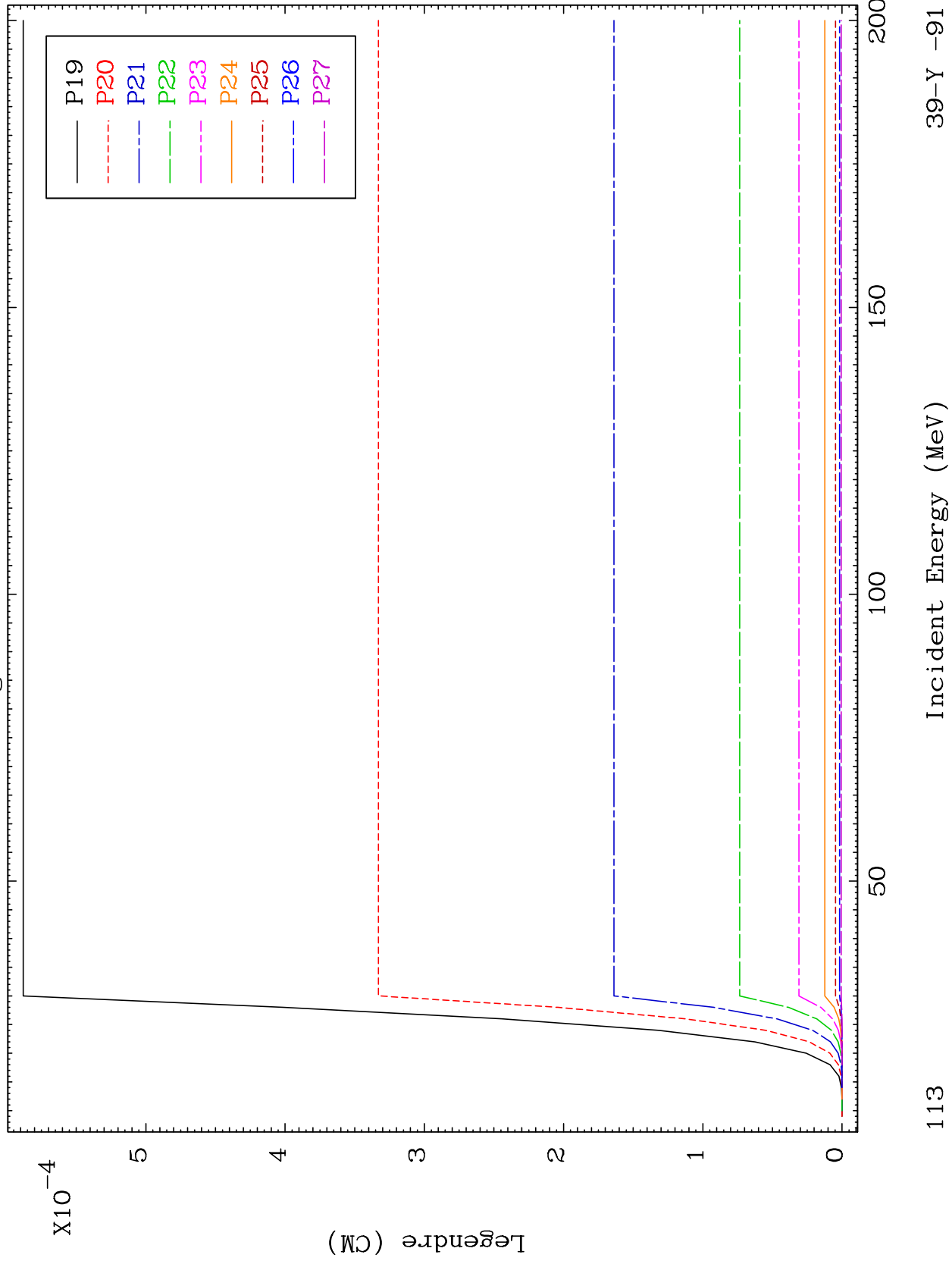
Incident Energy (MeV)

39-Y -91

MAT 3931

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

39-Y -91



113

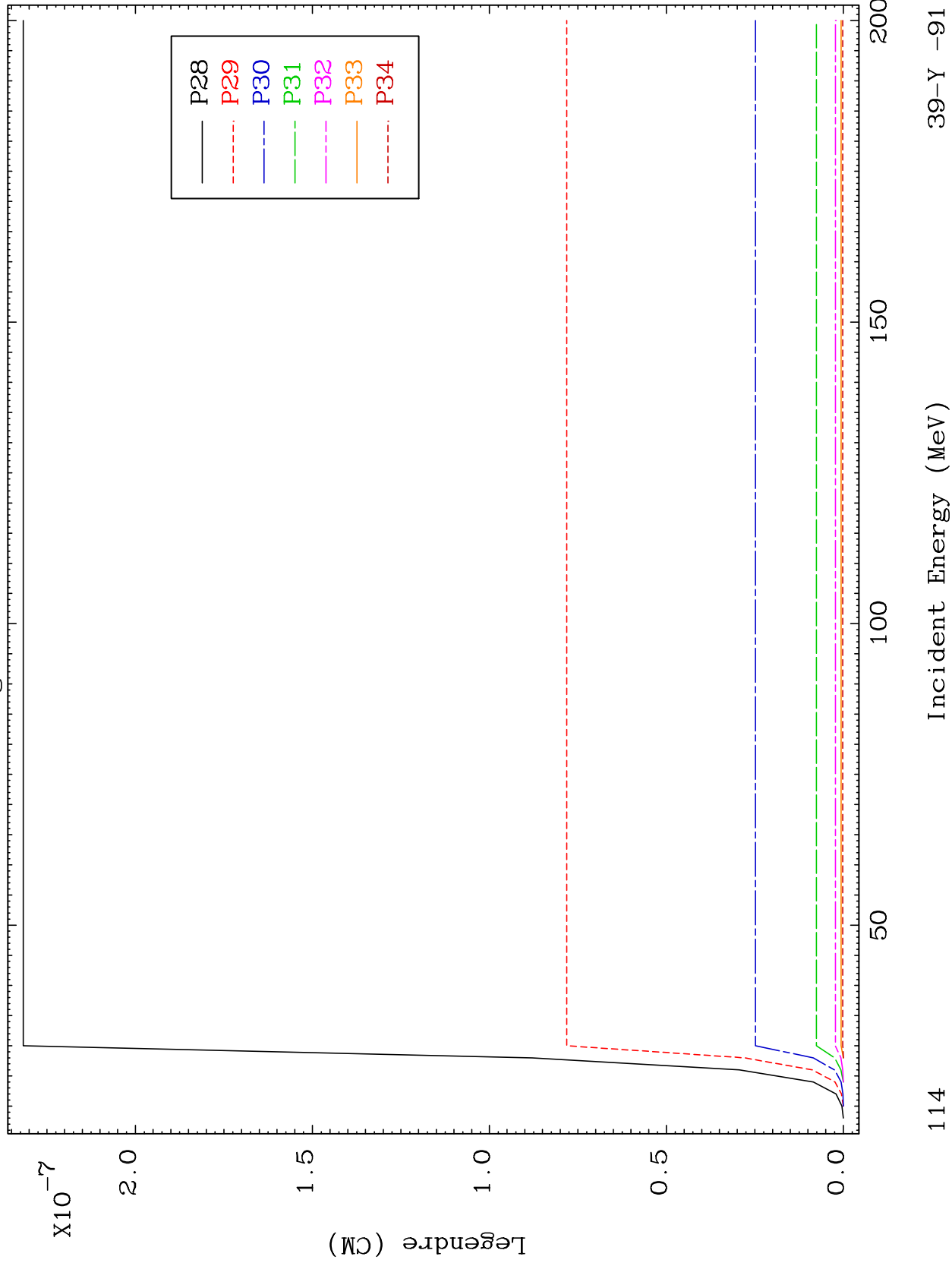
Incident Energy (MeV)

39-Y -91

MAT 3931

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

39-Y -91



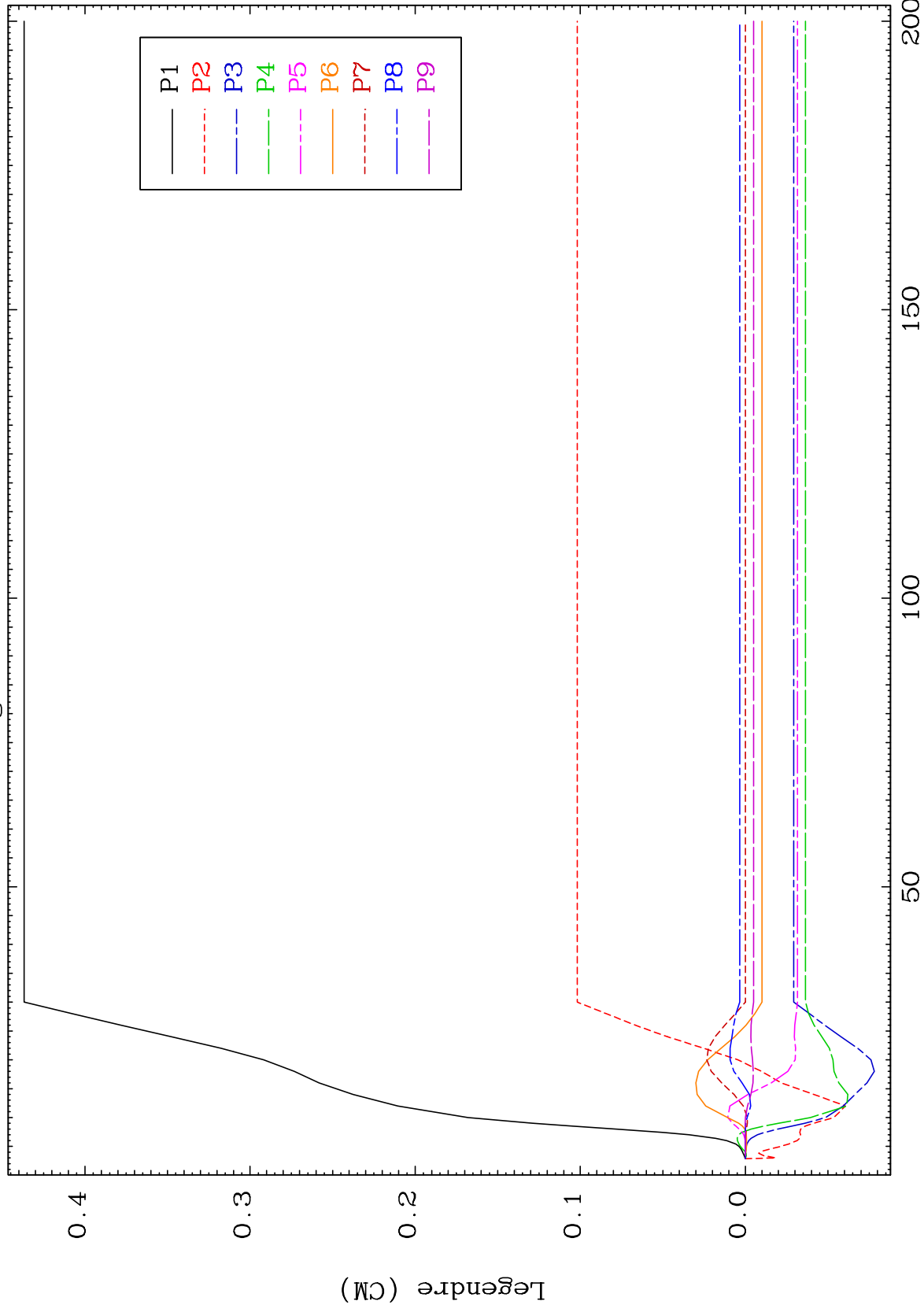
114

39-Y -91

MAT 3931

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

39-Y -91



115

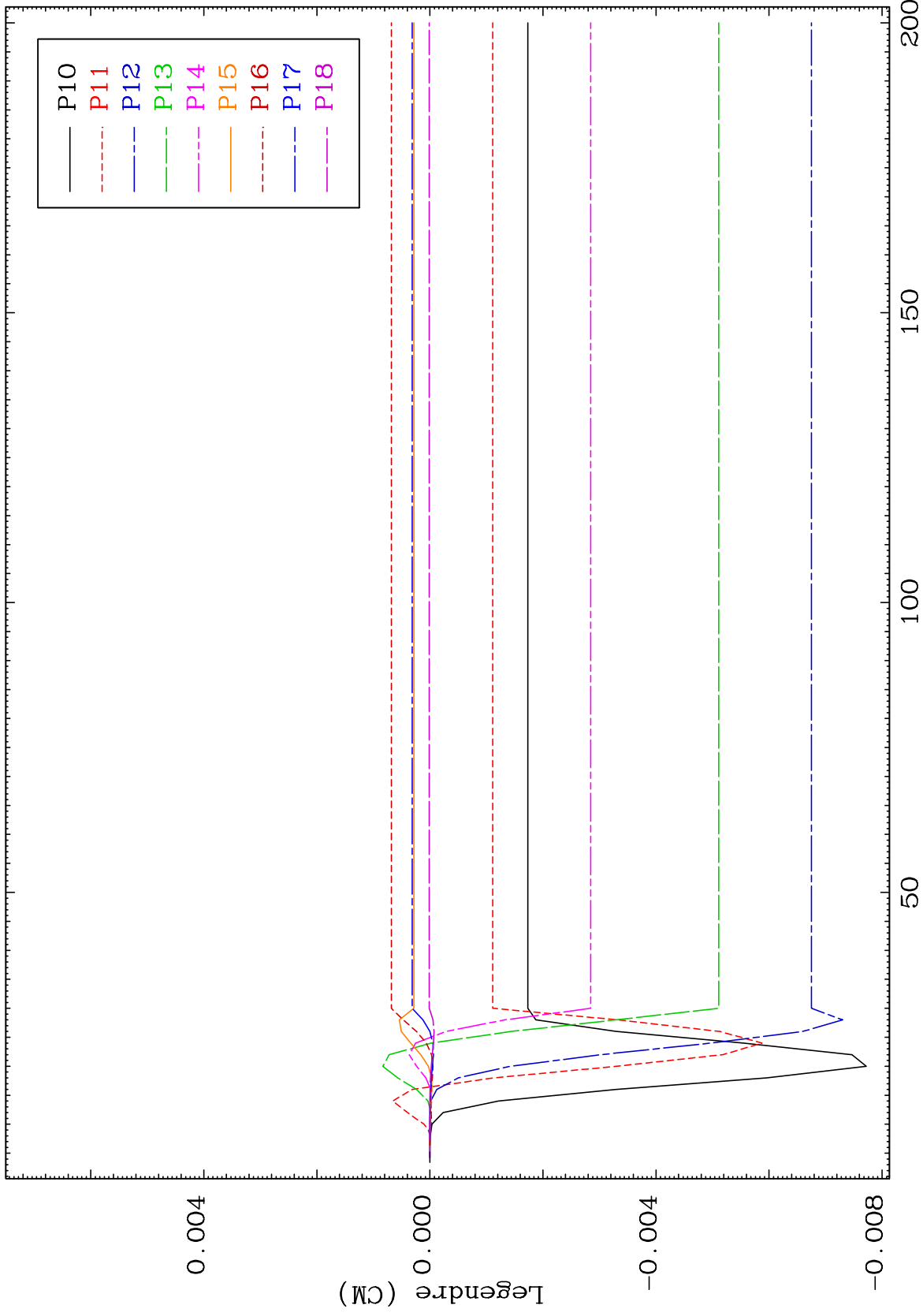
Incident Energy (MeV)

39-Y -91

MAT 3931

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

39-Y -91



116

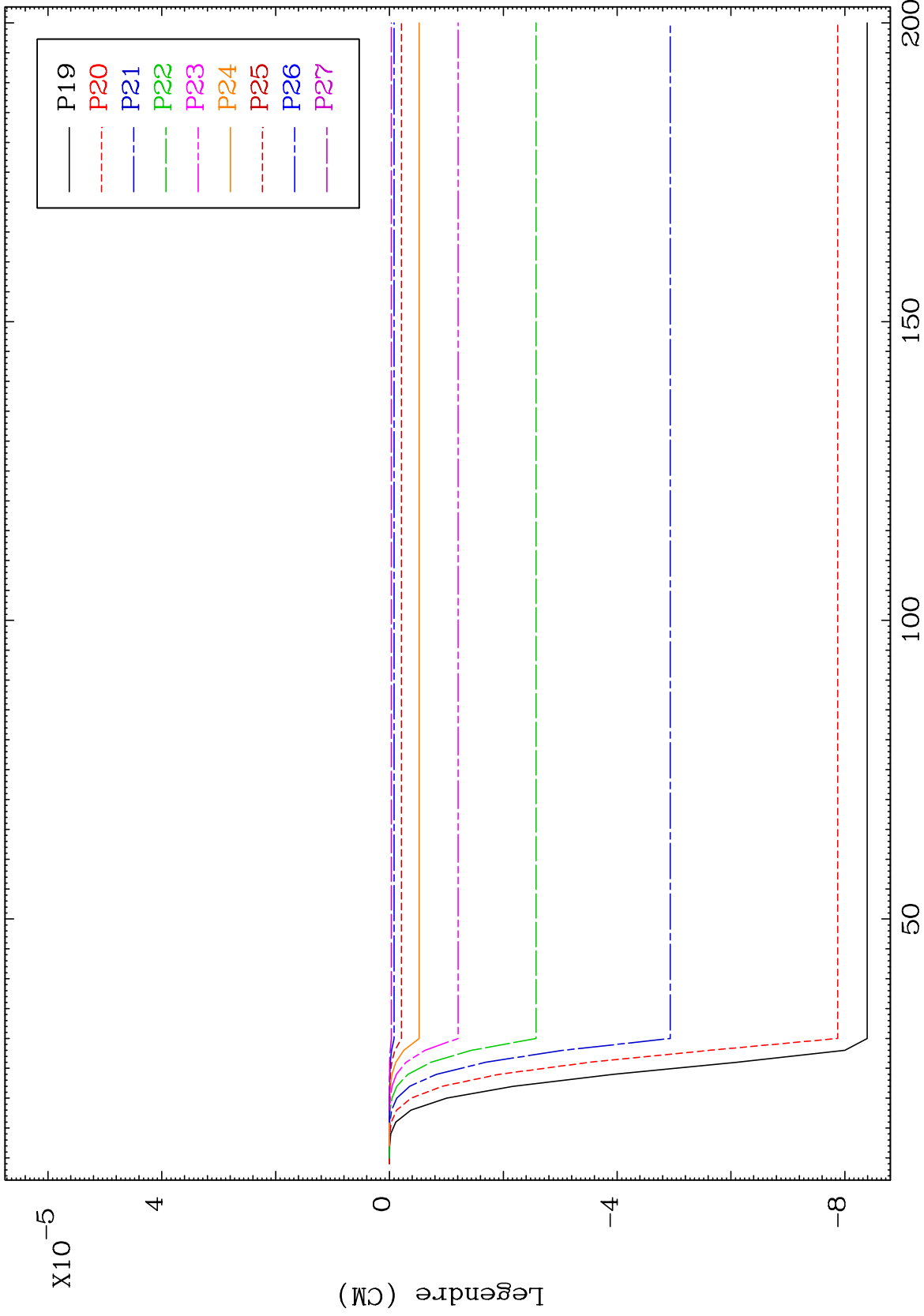
Incident Energy (MeV)

39-Y -91

MAT 3931

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

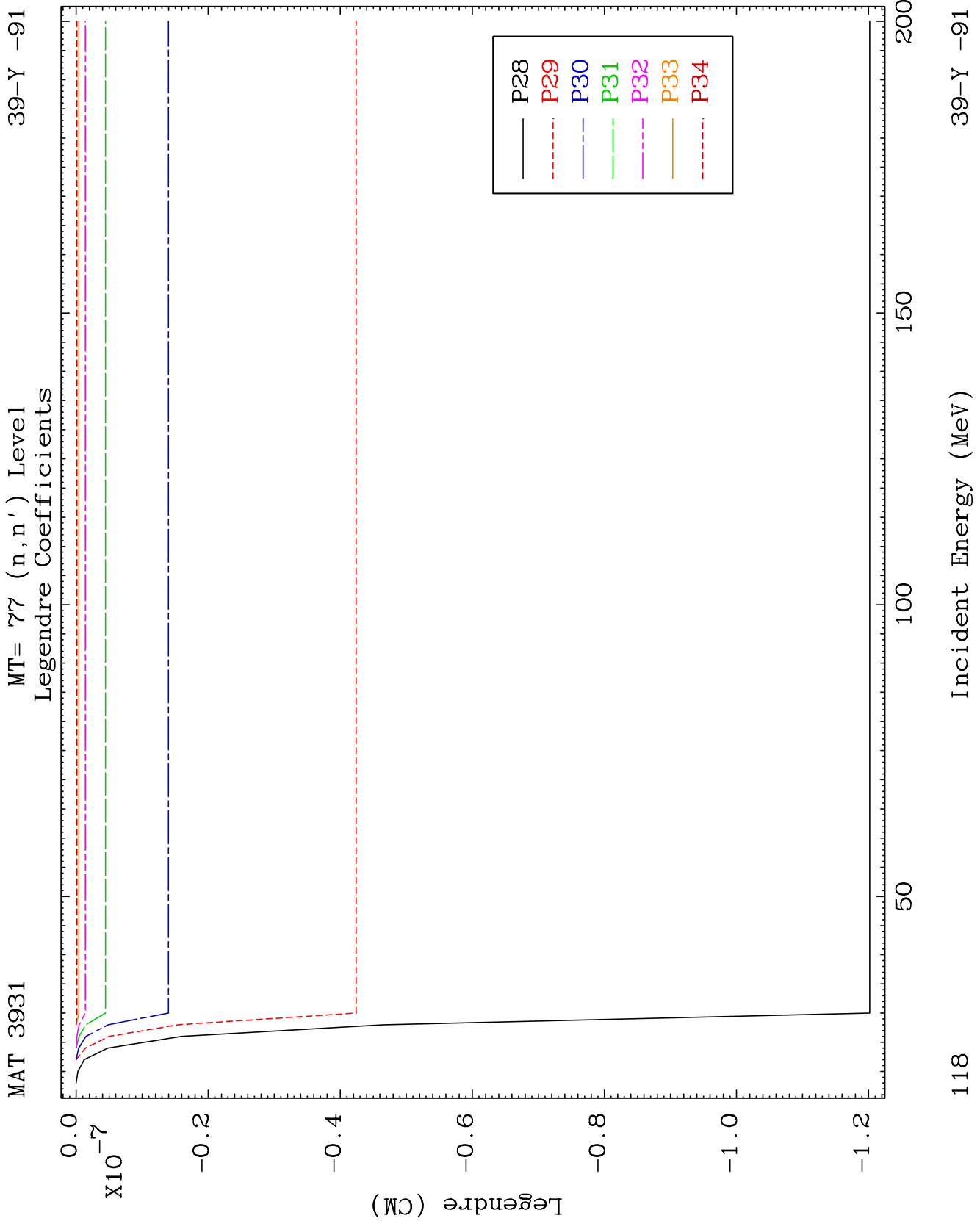
39-Y -91



117

Incident Energy (MeV)

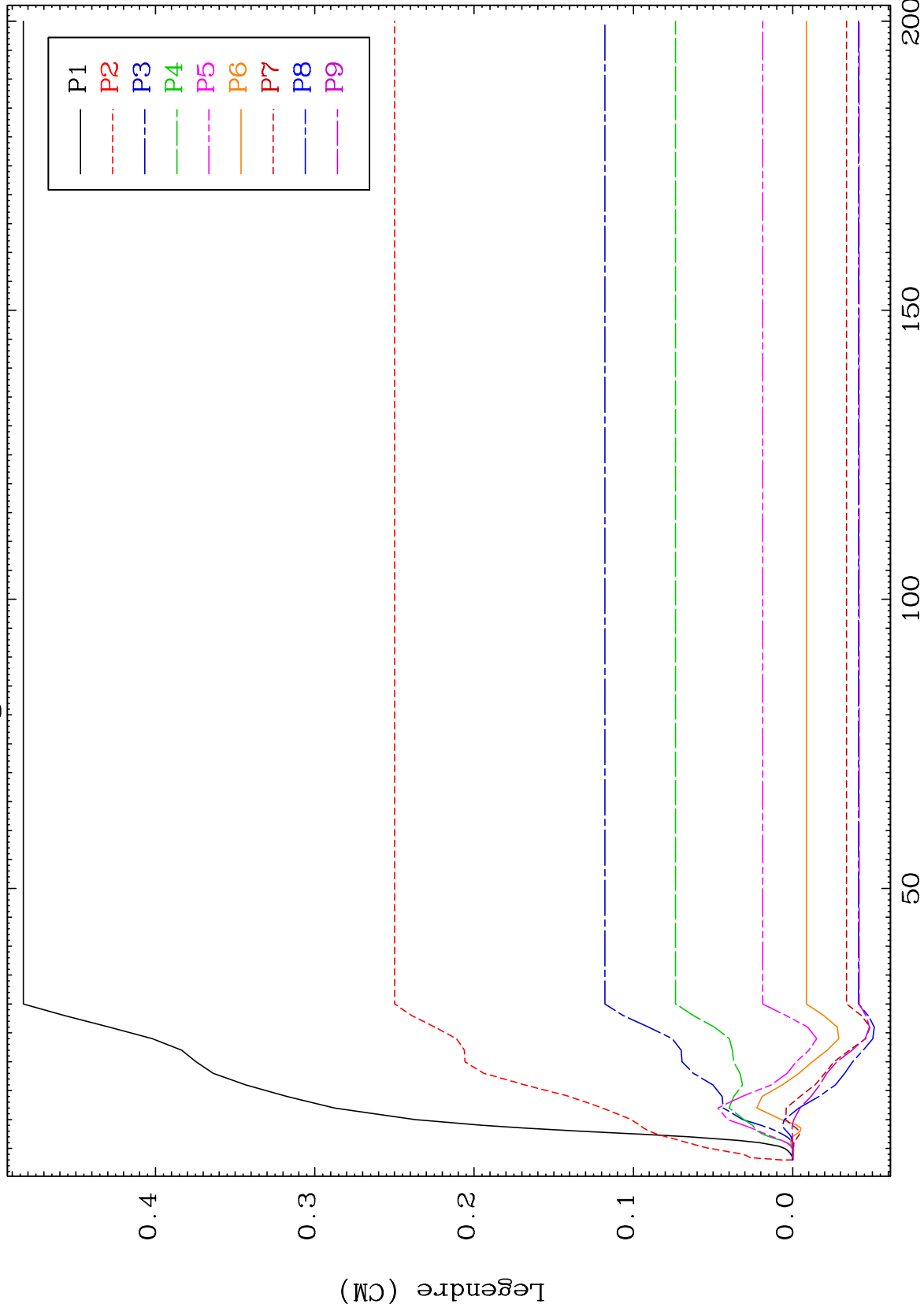
39-Y -91



MAT 3931

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

39-Y -91



119

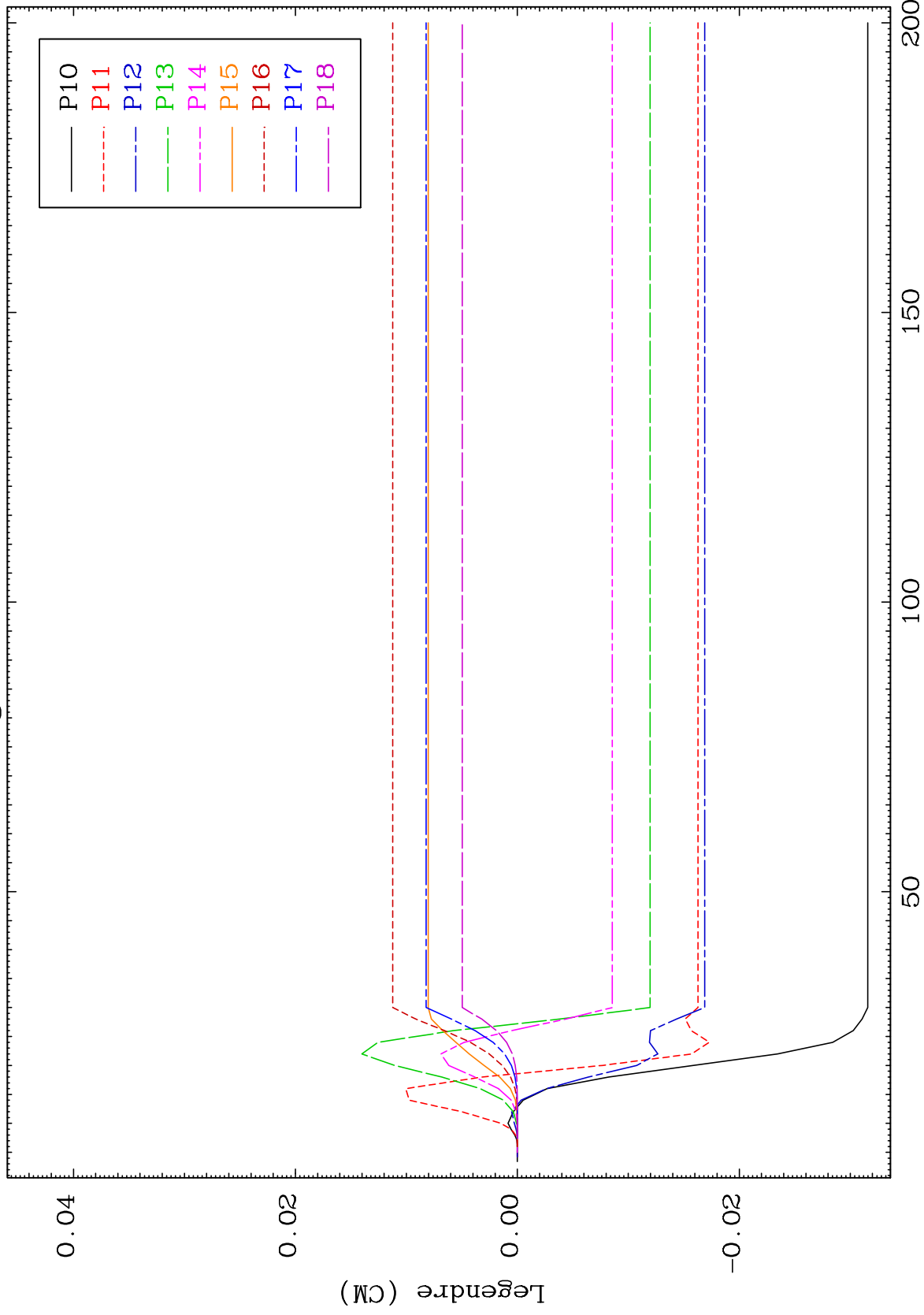
Incident Energy (MeV)

39-Y -91

MAT 3931

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

39-Y -91



120

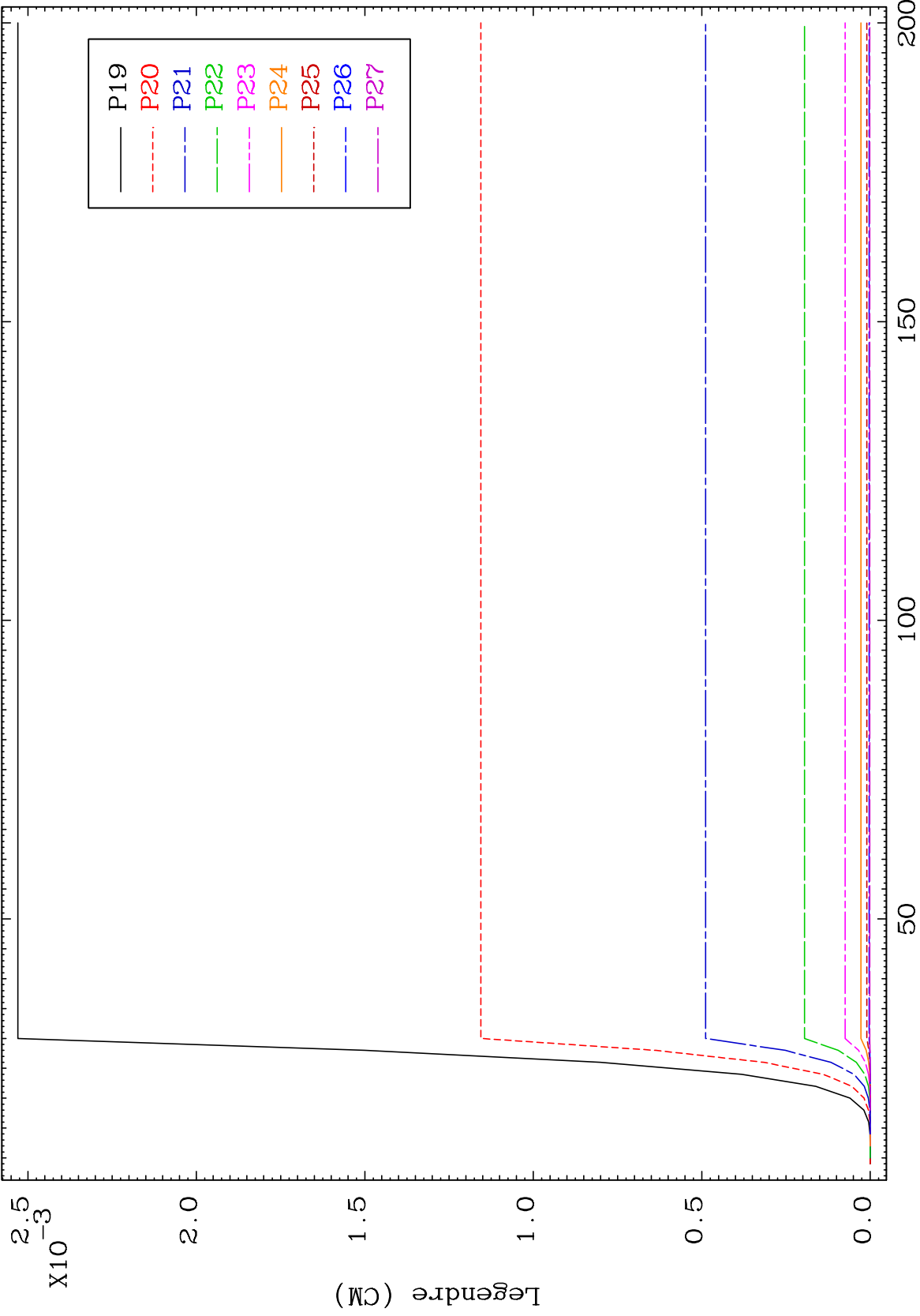
Incident Energy (MeV)

39-Y -91

MAT 3931

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

39-Y -91



121

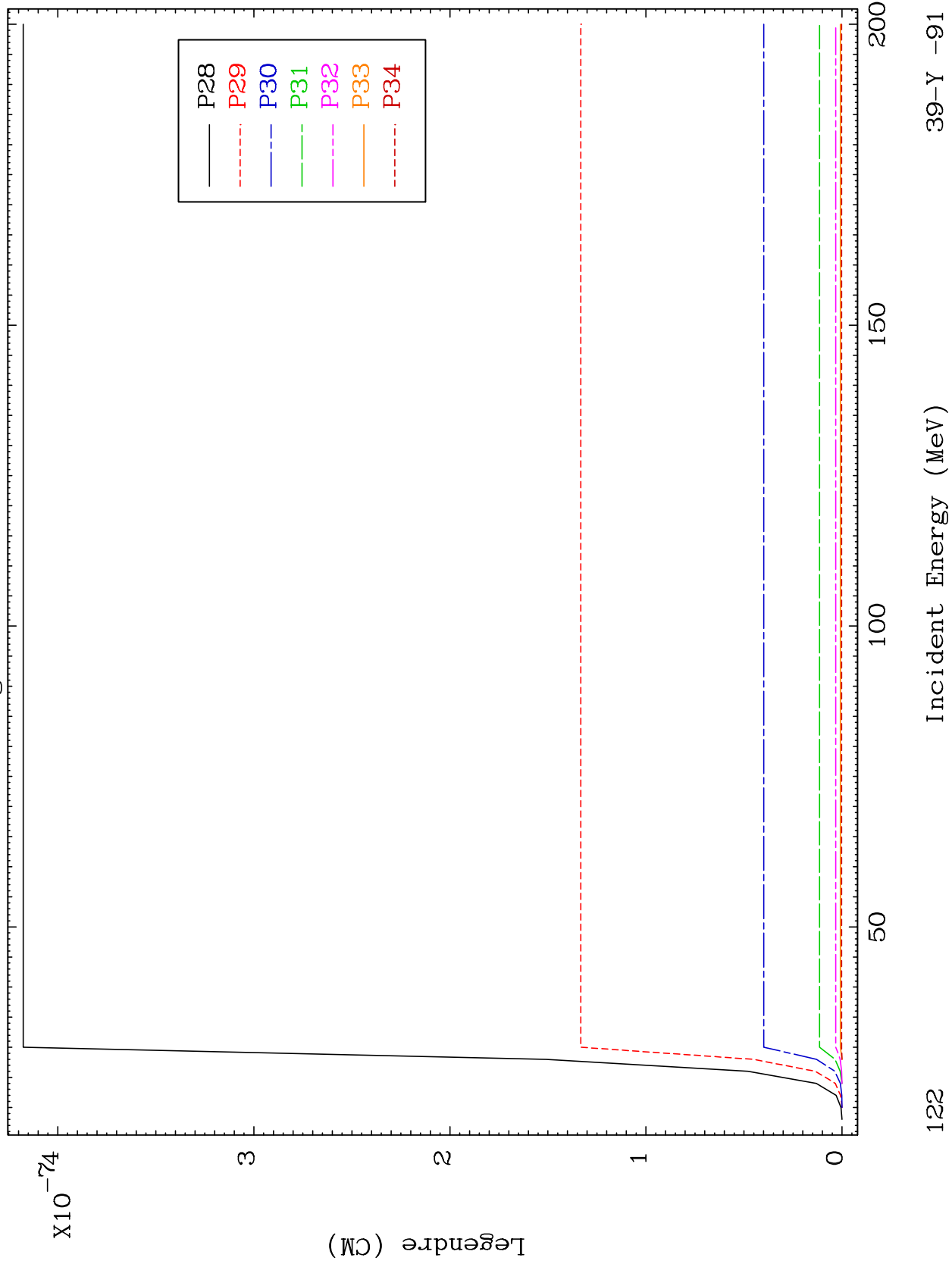
Incident Energy (MeV)

39-Y -91

MAT 3931

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

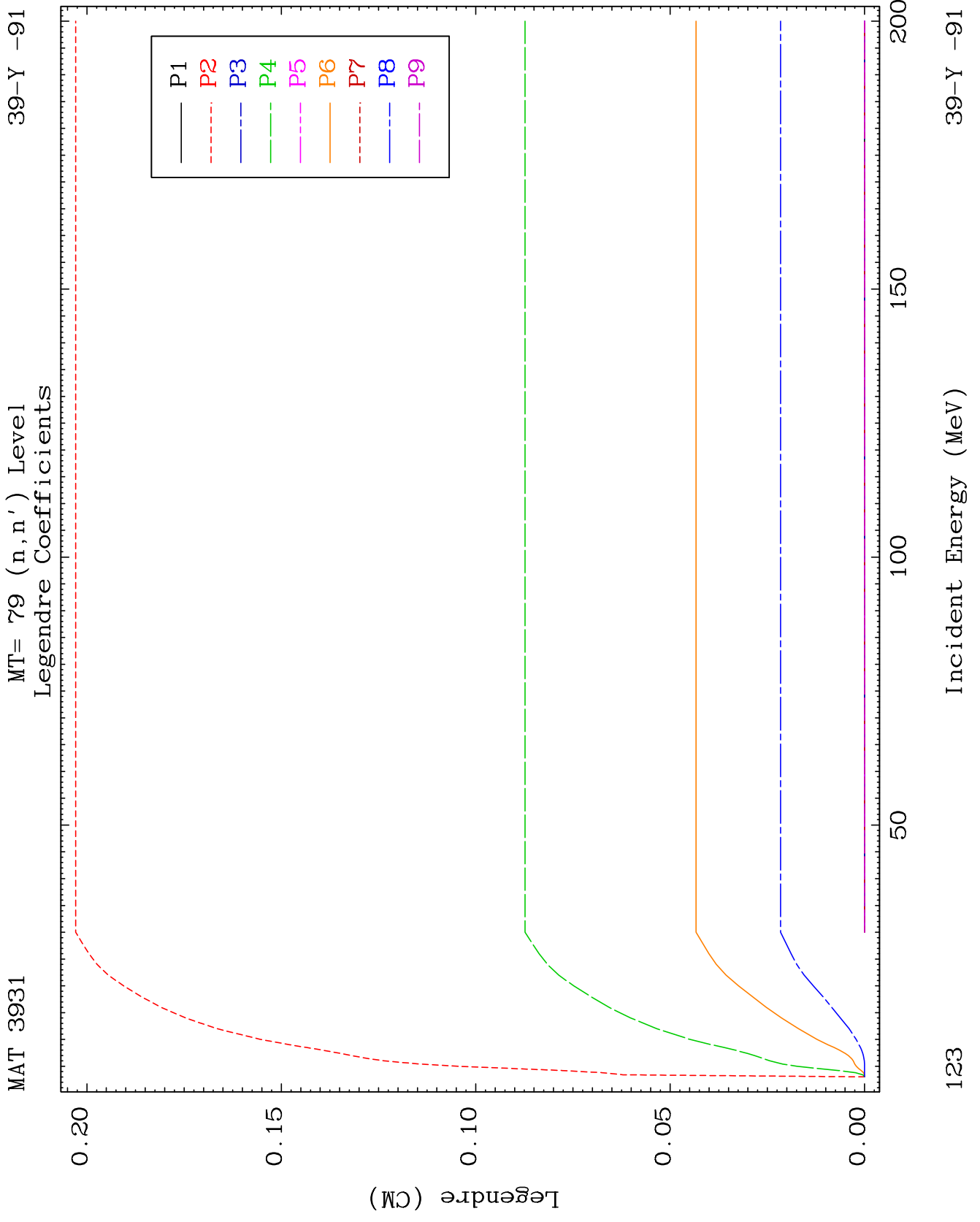
39-Y -91

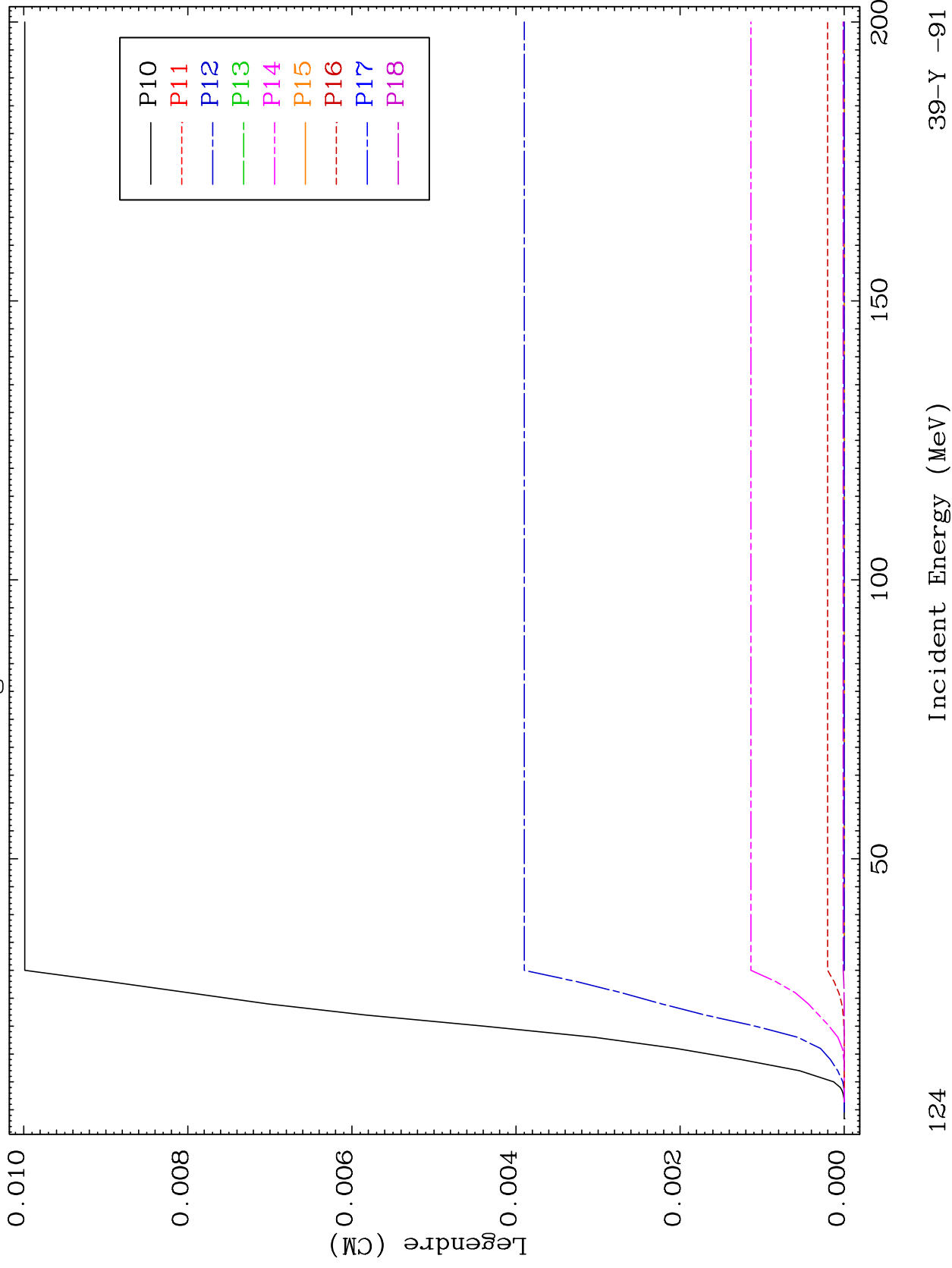


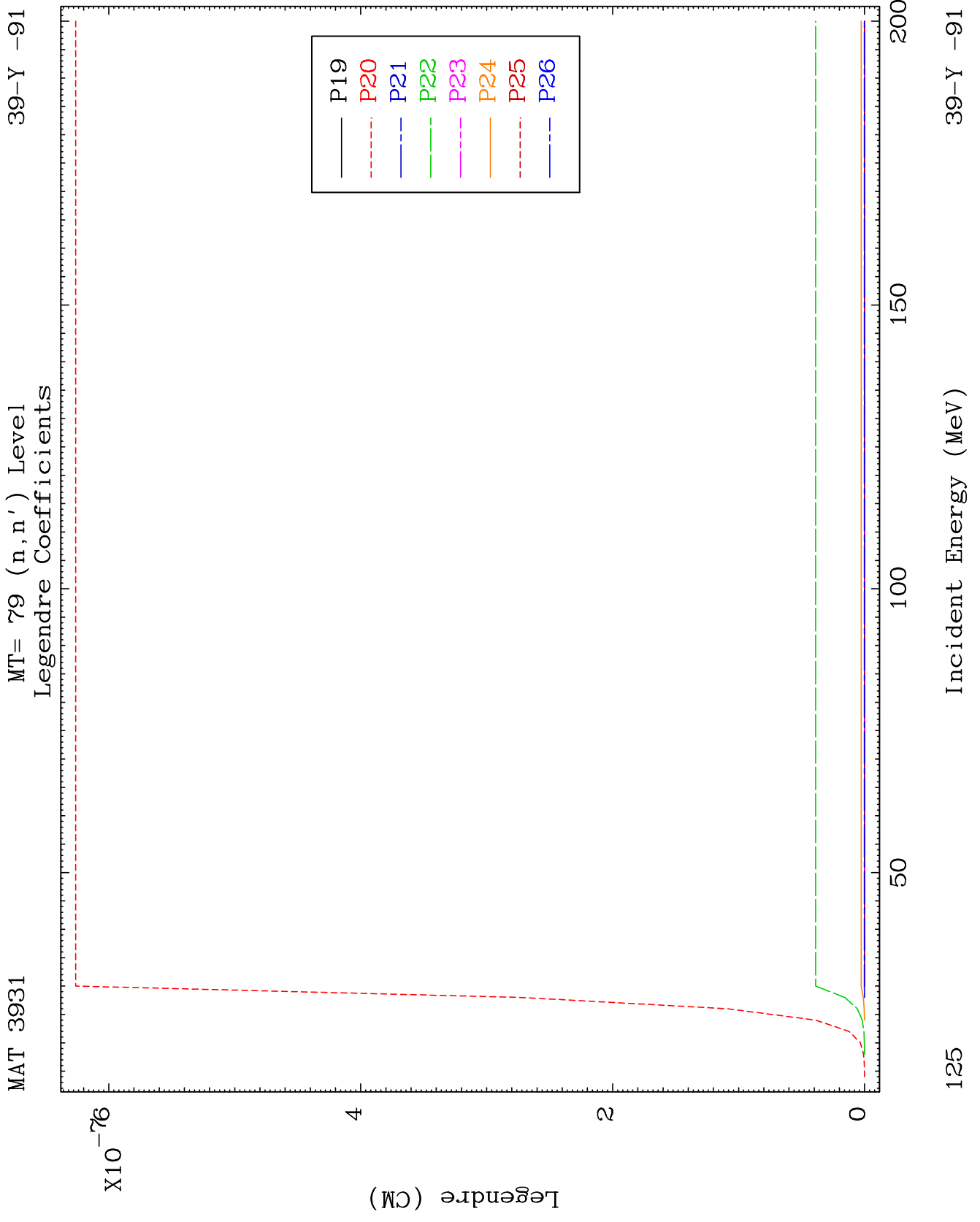
122

Incident Energy (MeV)

39-Y -91



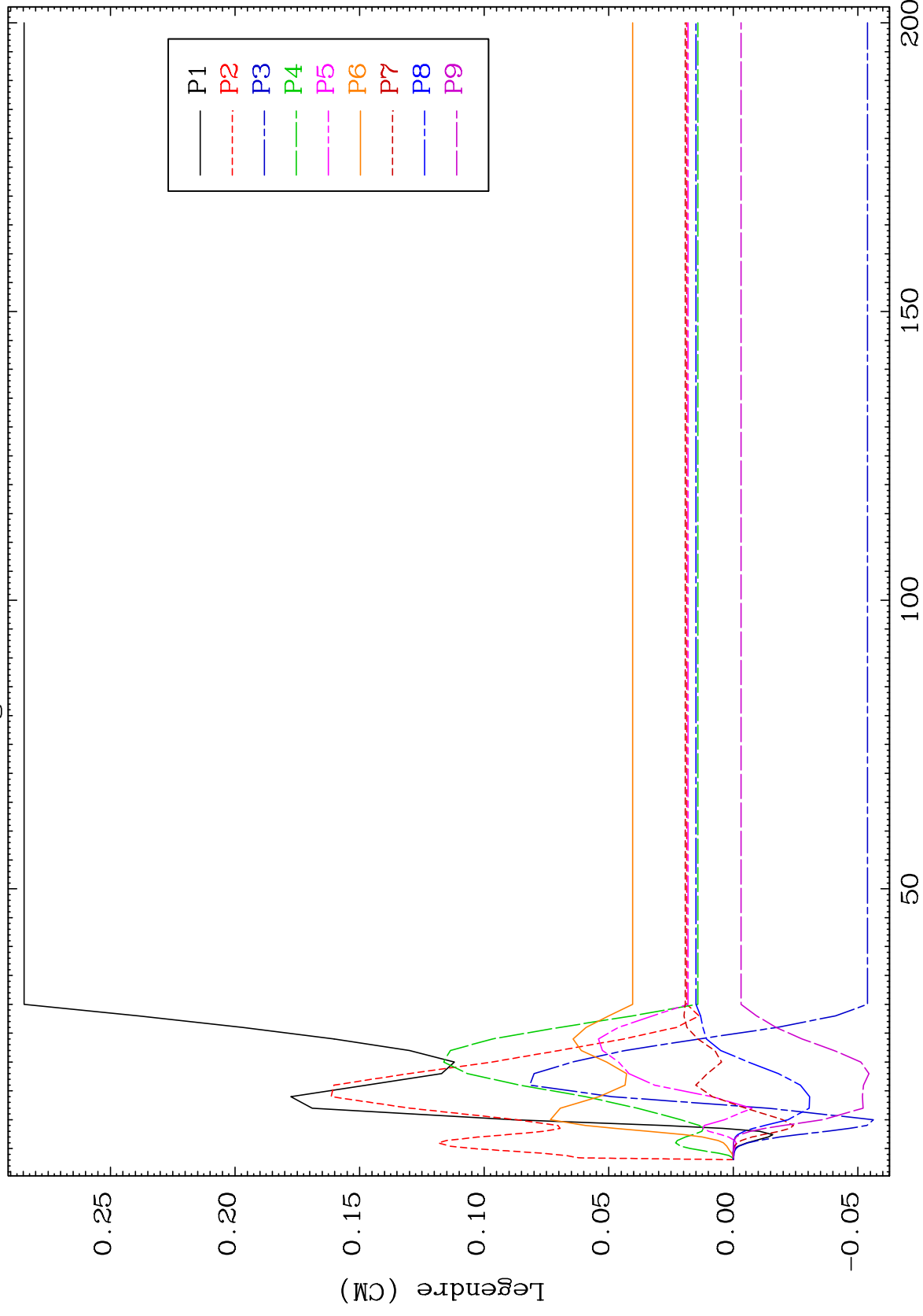




MAT 3931

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

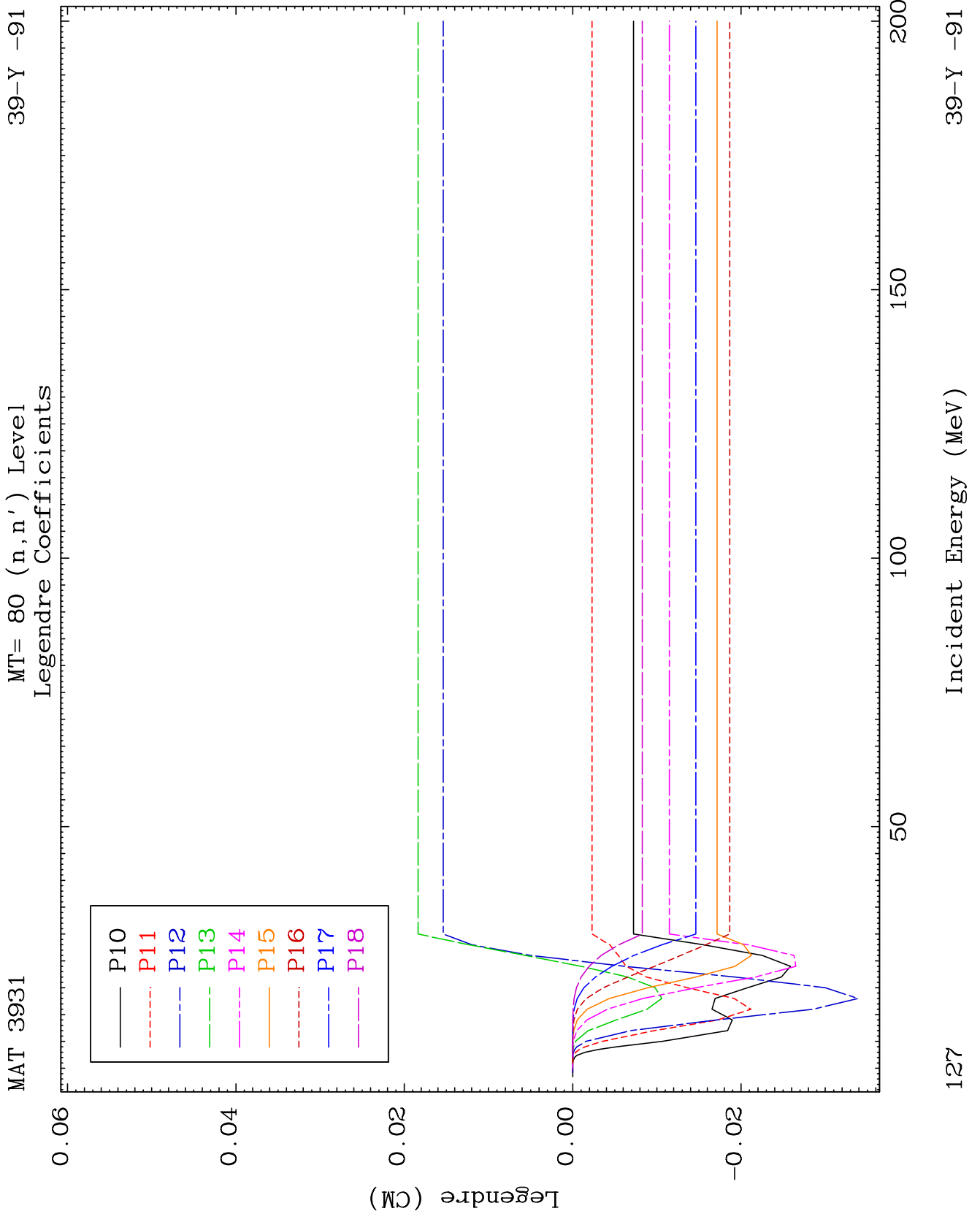
39-Y -91

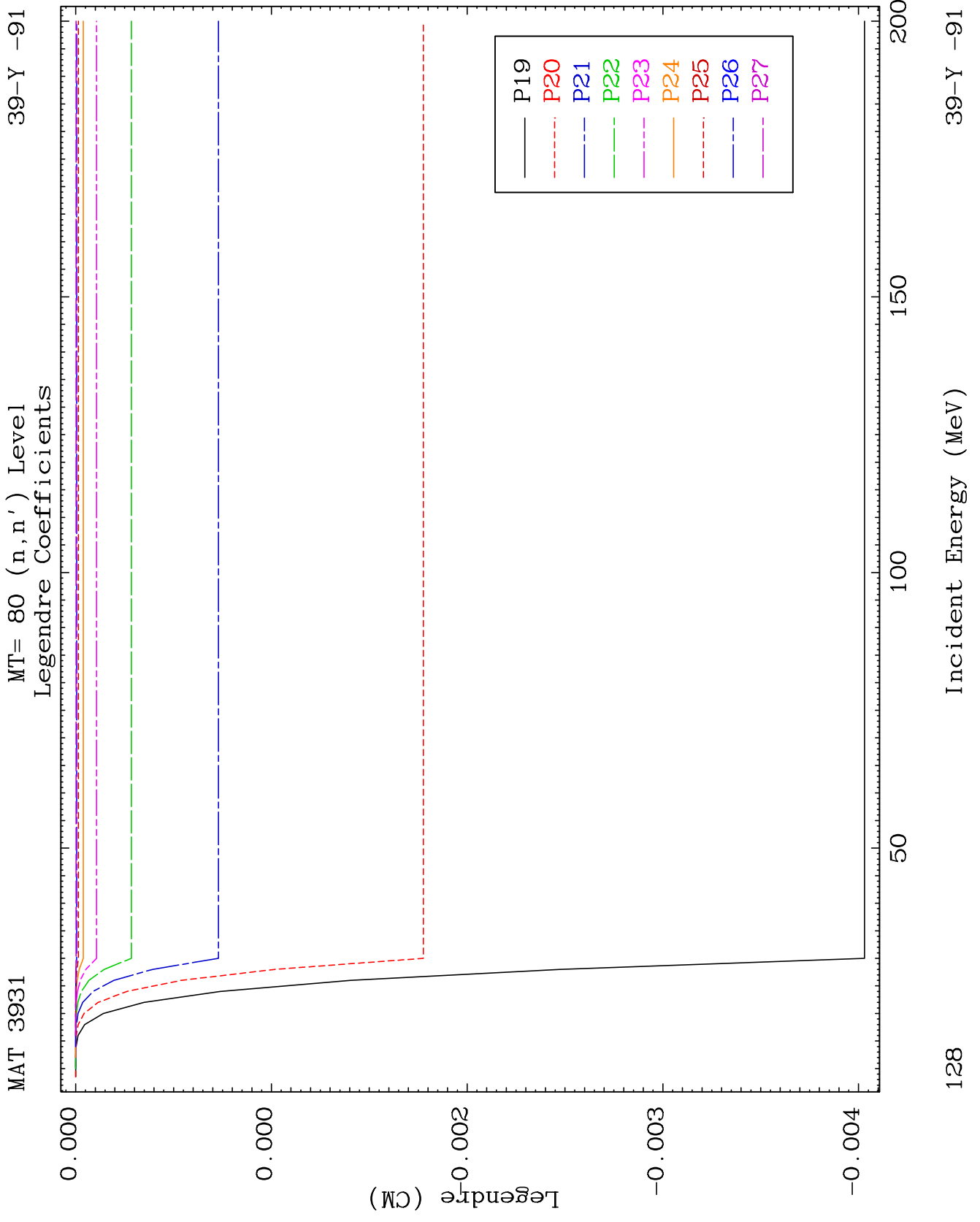


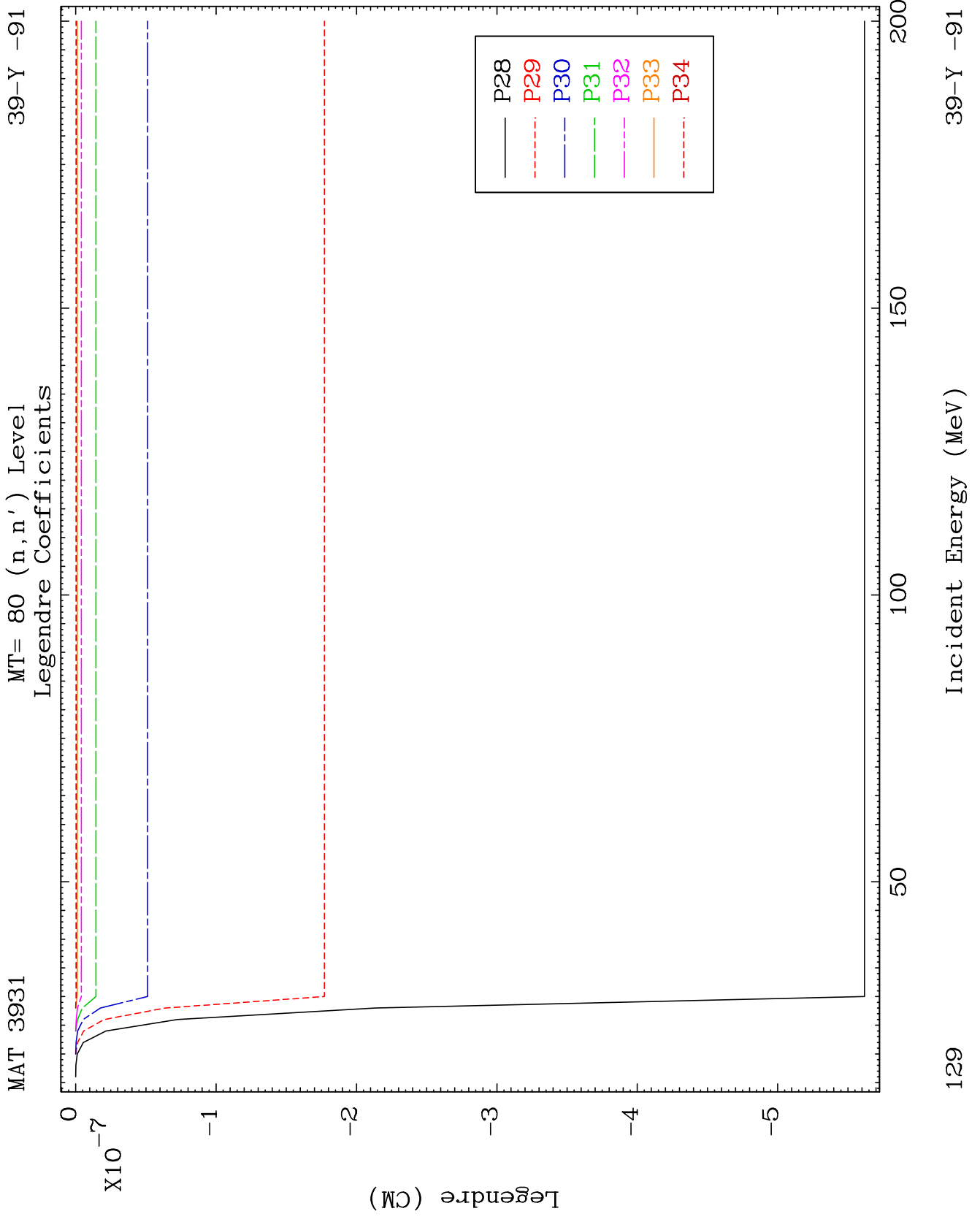
126

Incident Energy (MeV)

39-Y -91



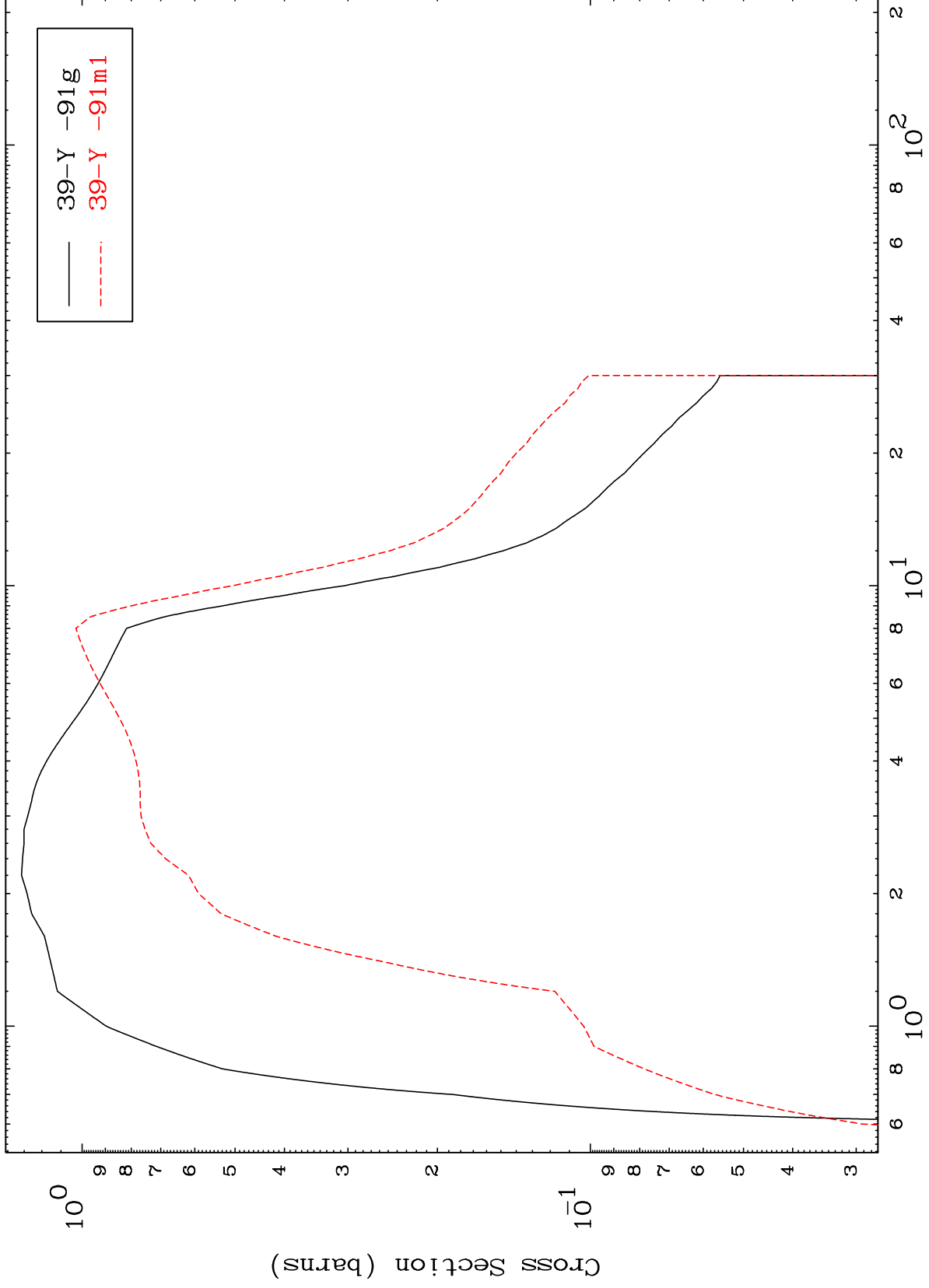




MAT 3931

39-Y -91

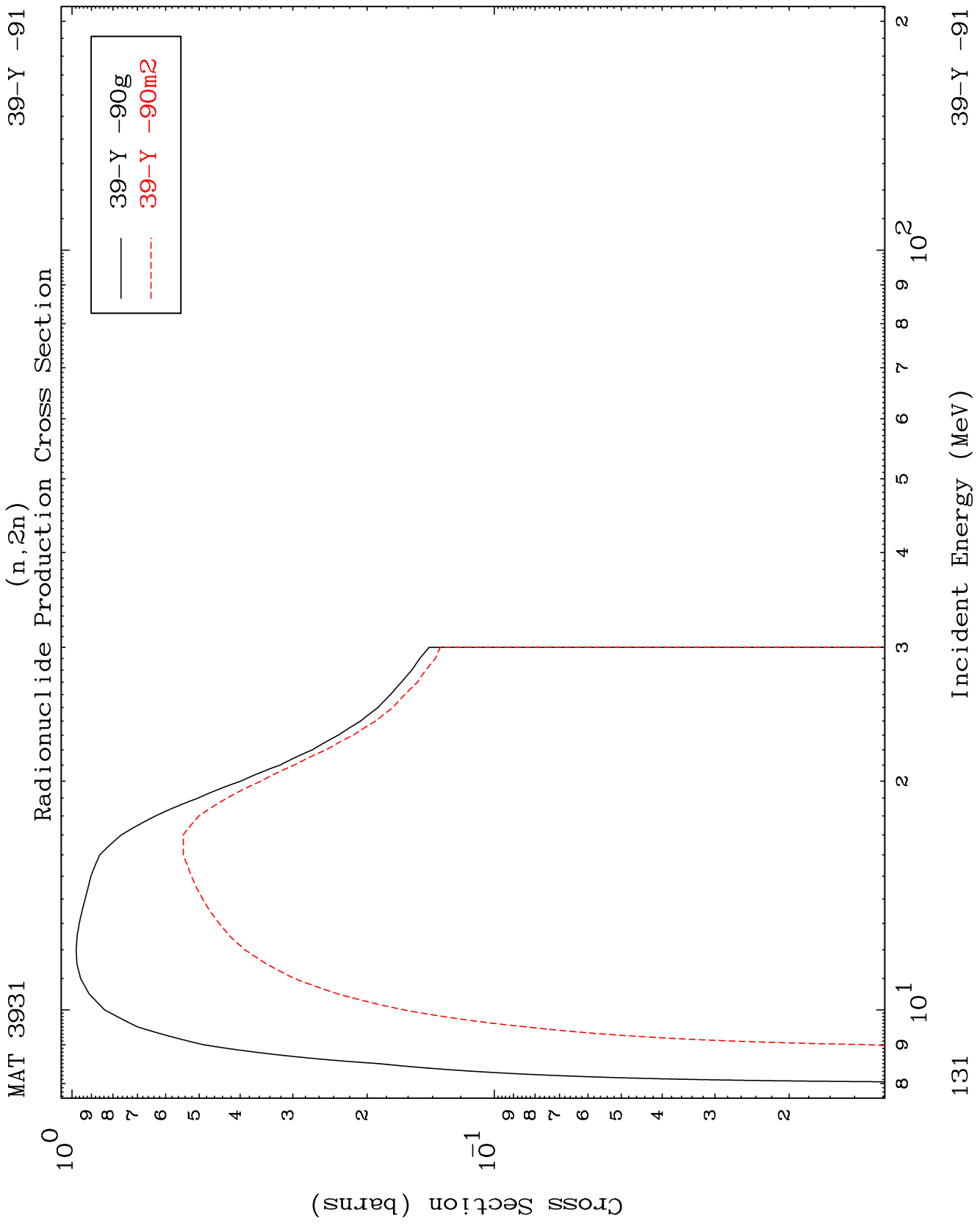
Inelastic
Radionuclide Production Cross Section



130

Incident Energy (MeV)

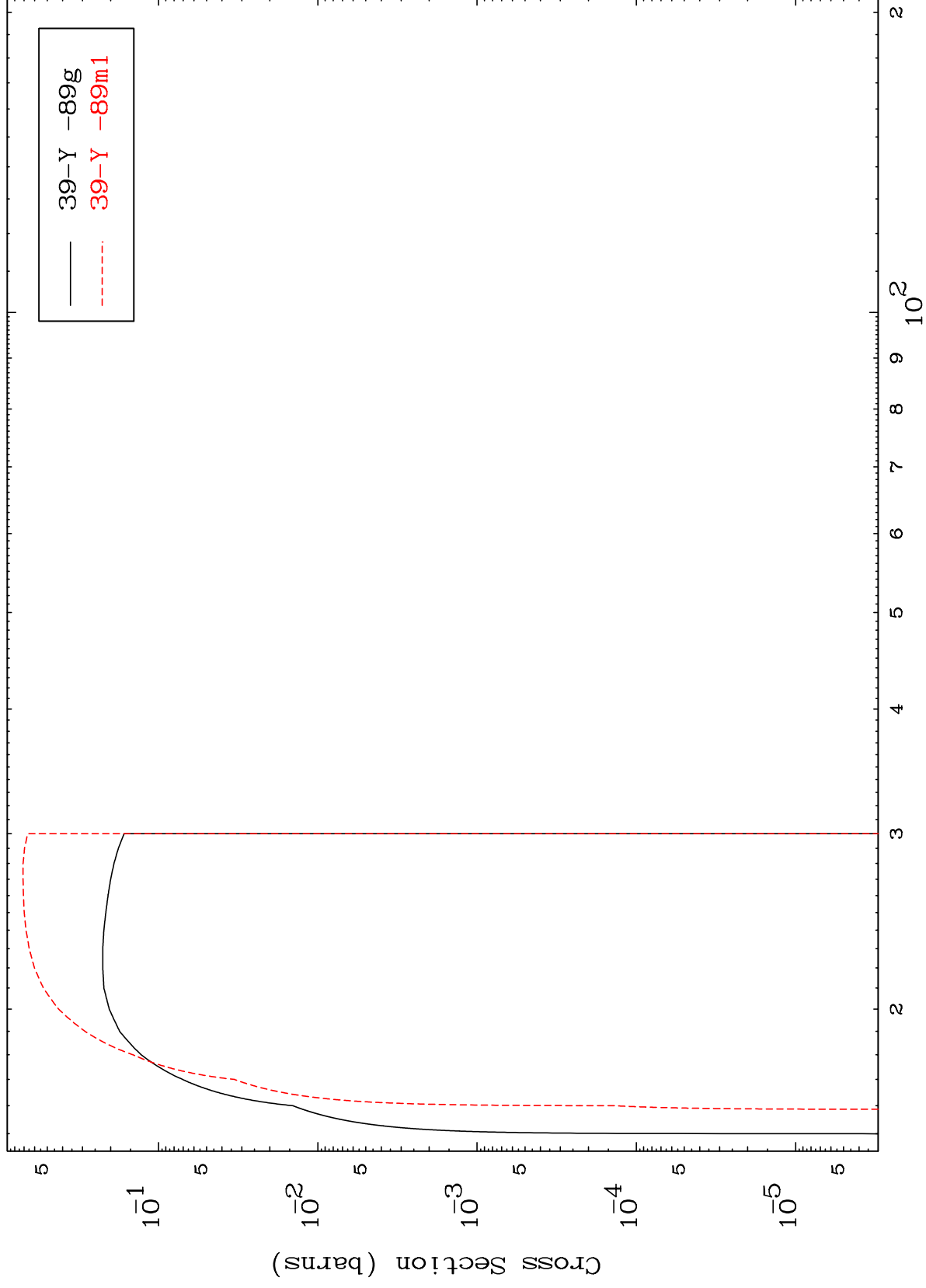
39-Y -91



MAT 3931

39-Y -91

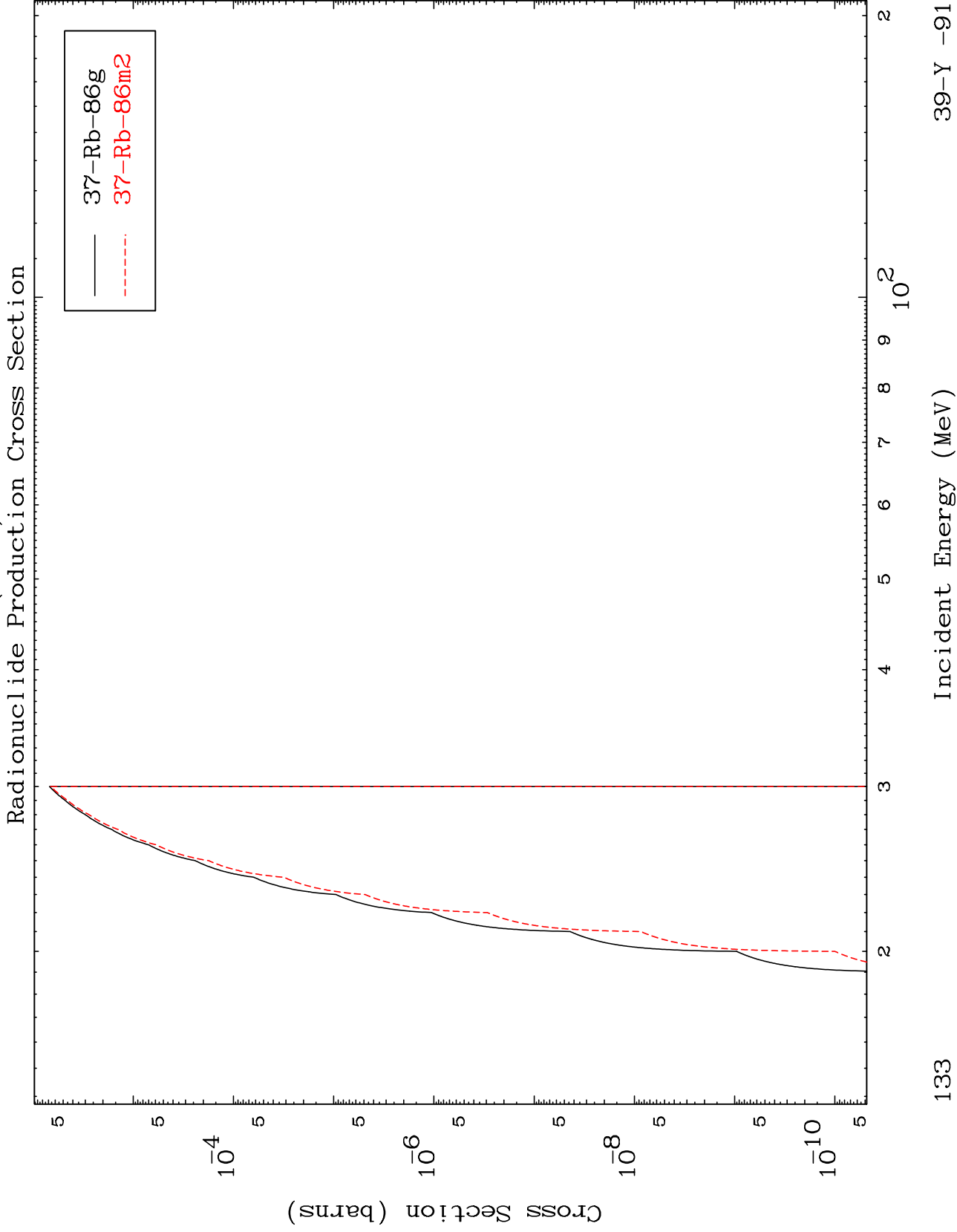
(n,3n)
Radionuclide Production Cross Section



132

39-Y -91

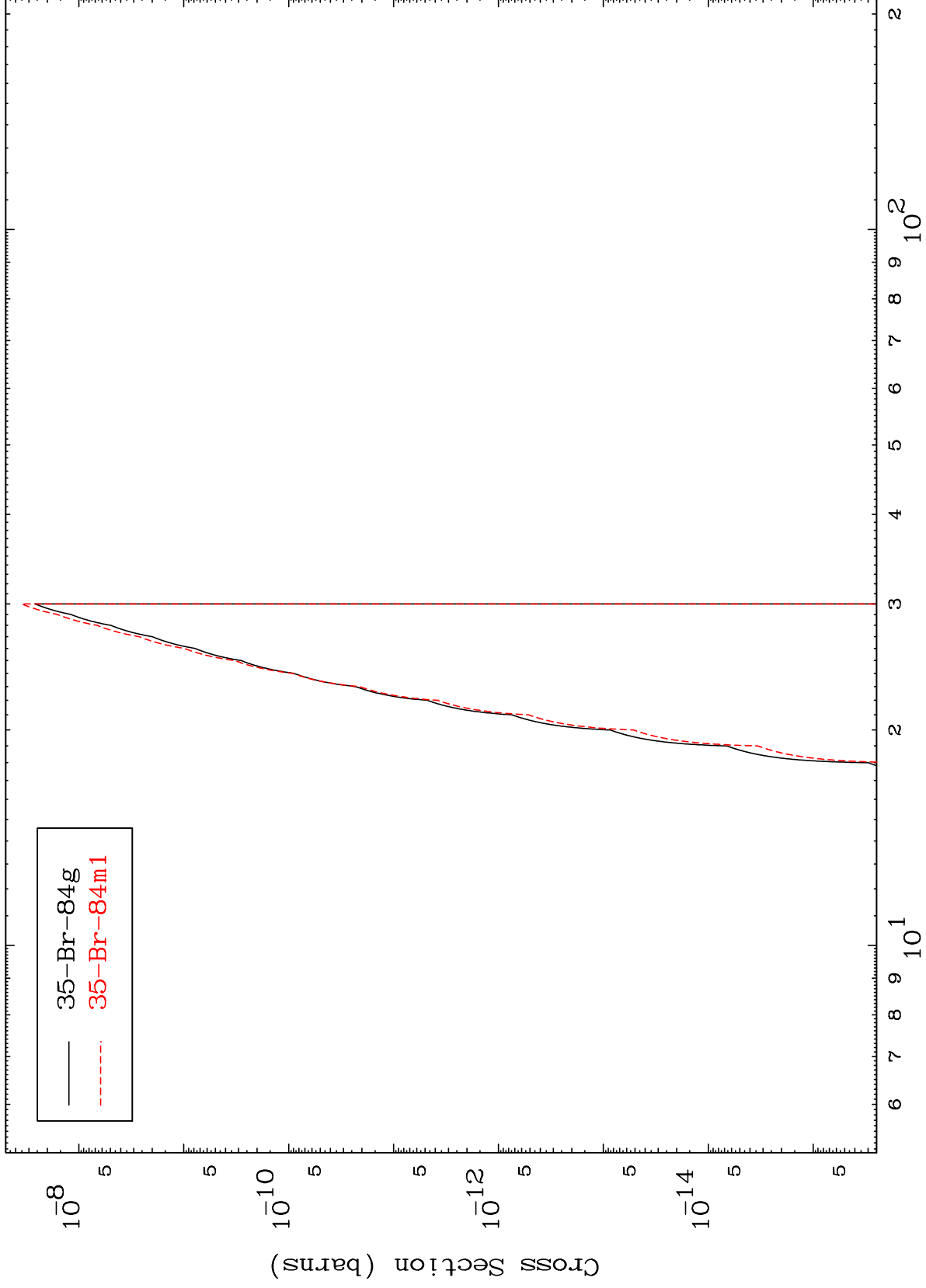
Incident Energy (MeV)



MAT 3931

39-Y -91

Radionuclide Production Cross Section (n,2α)



— 35-Br-84g
- - - 35-Br-84m1

134

Incident Energy (MeV)

39-Y -91

(n,2p)
Radionuclide Production Cross Section

