

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

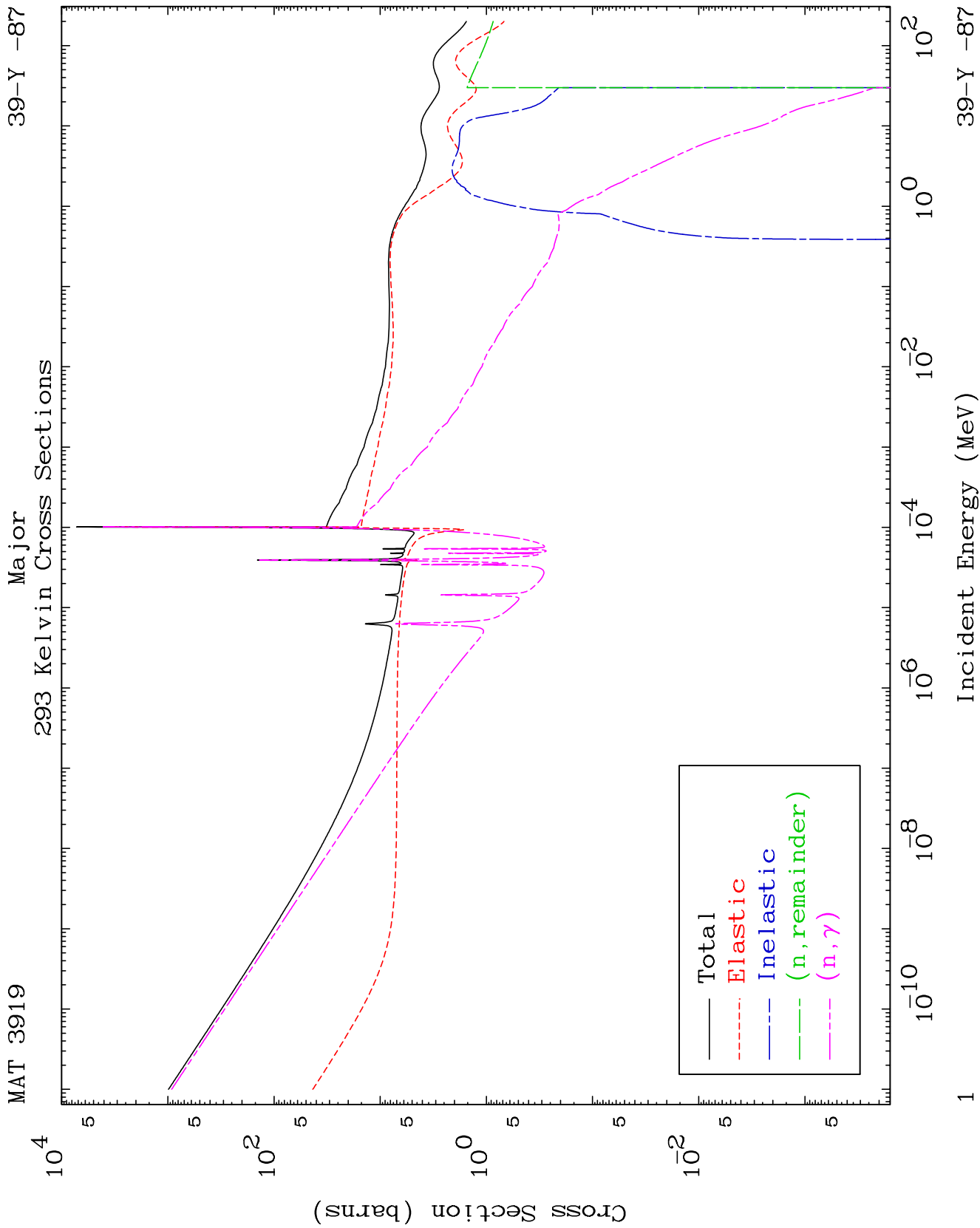
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

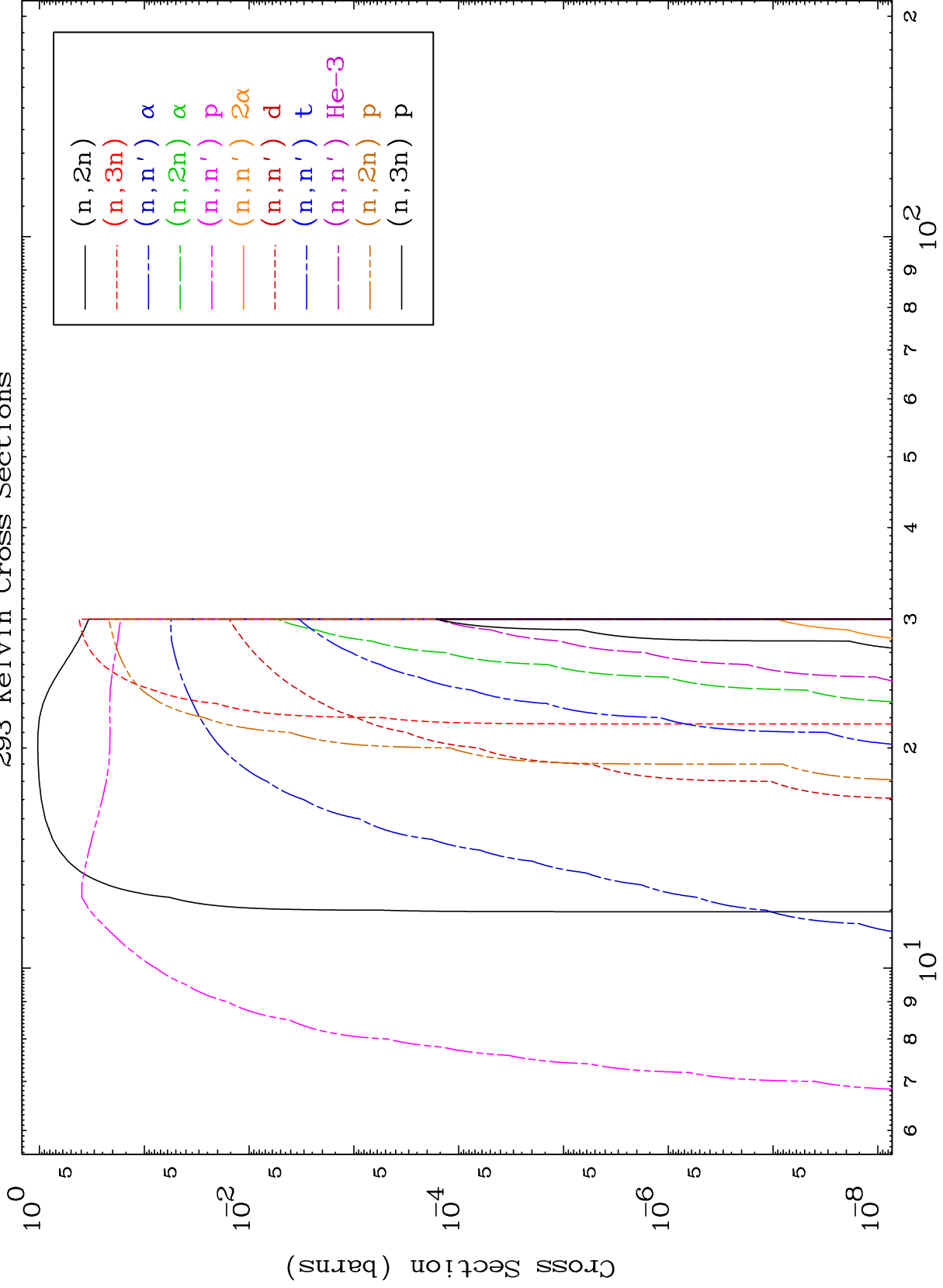
Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

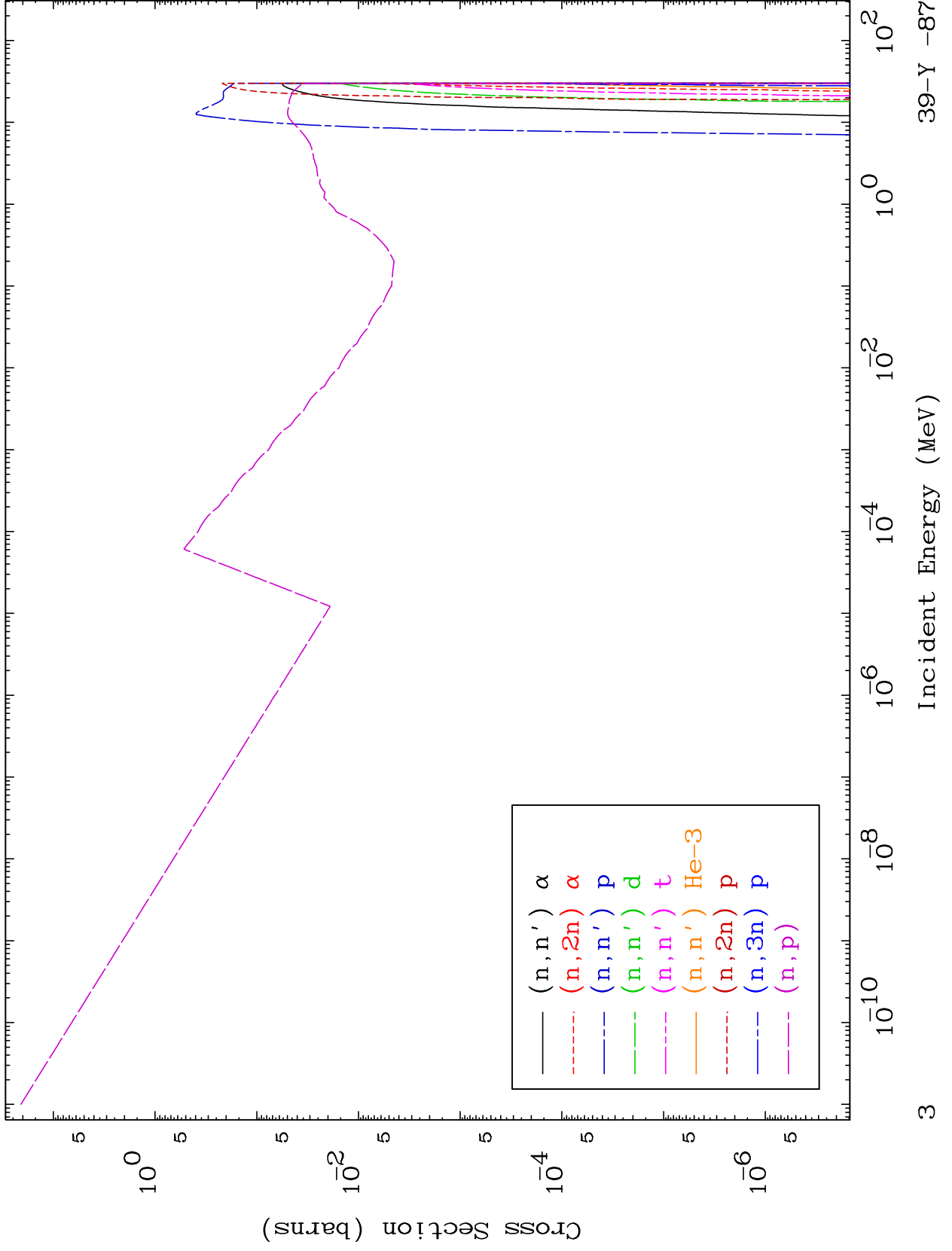




MAT 3919

Charged Particle
293 Kelvin Cross Sections

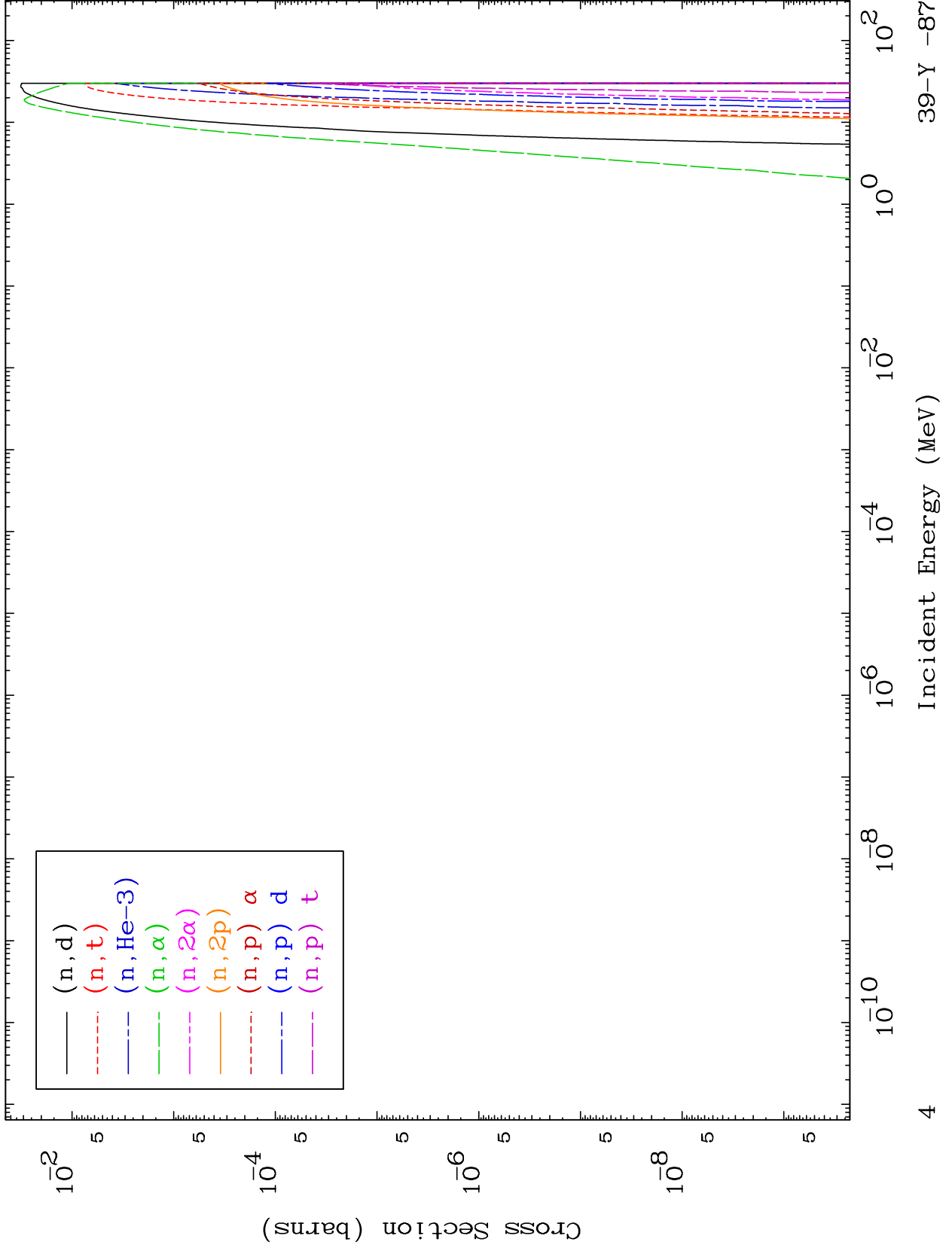
39-Y -87



MAT 3919

Charged Particle
293 Kelvin Cross Sections

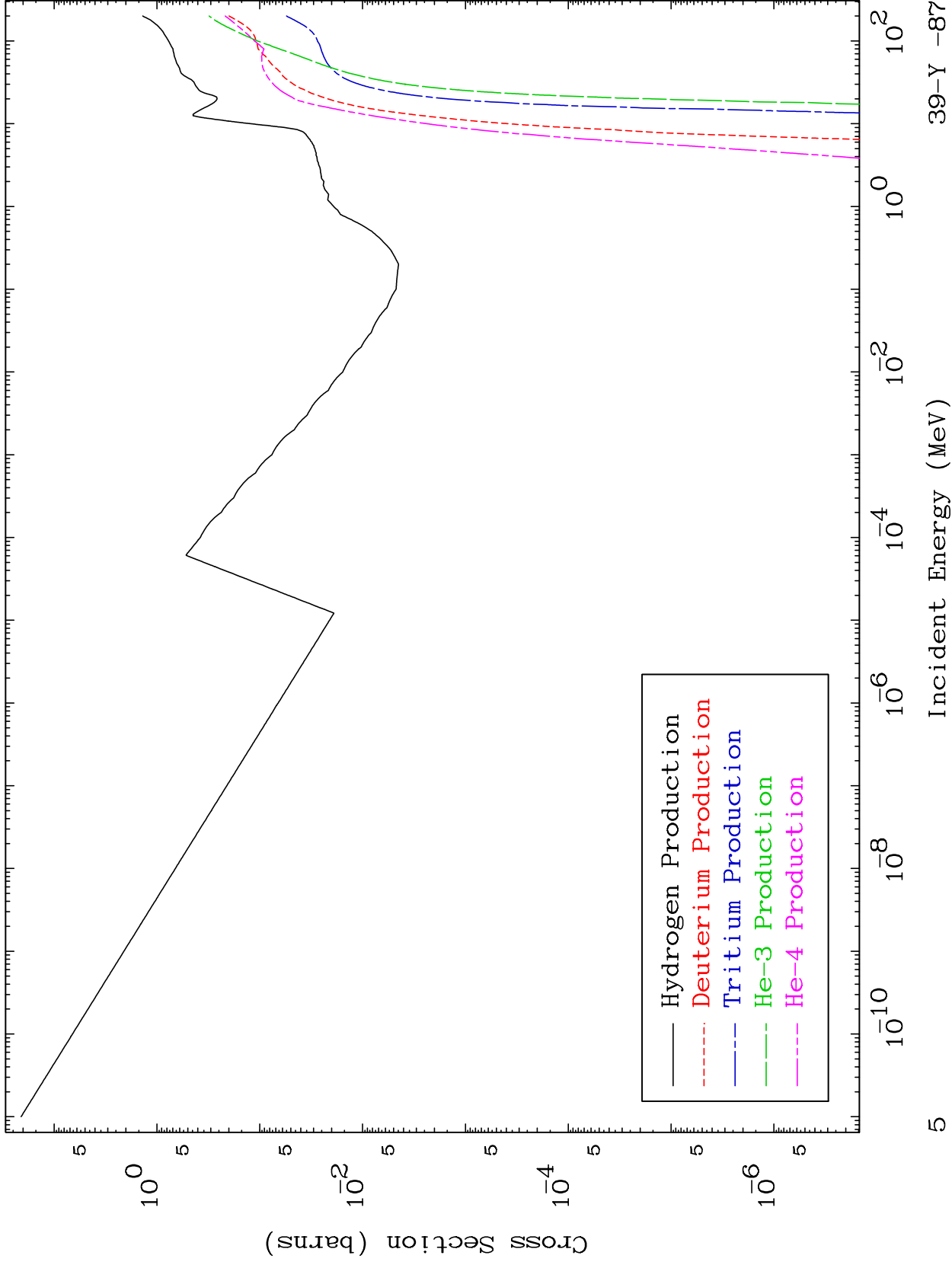
39-Y -87



MAT 3919

Particle Production
293 Kelvin Cross Sections

39-Y -87

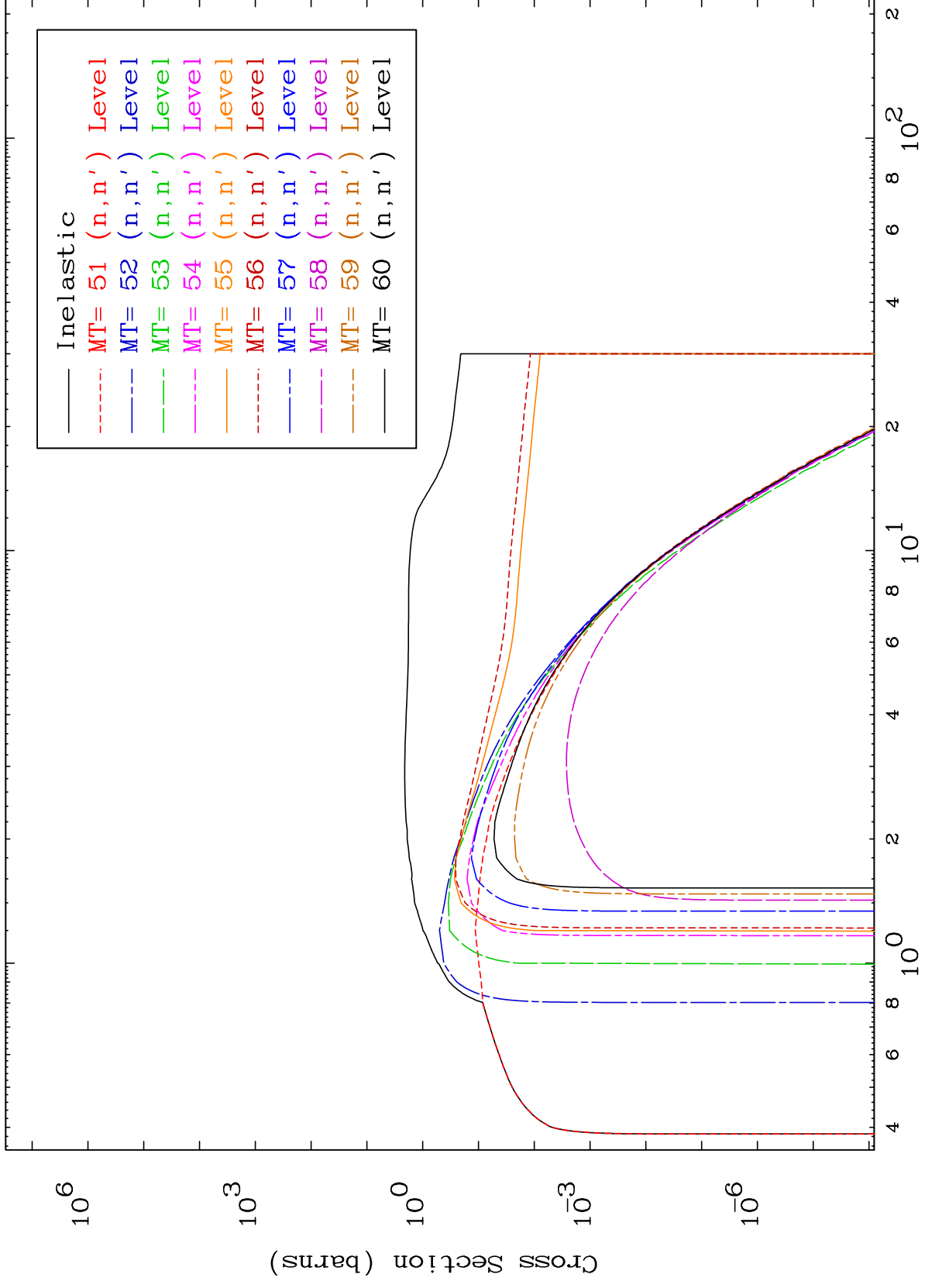


MAT 3919

(n,n') Level

39-Y -87

293 Kelvin Cross Sections



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Incident Energy (MeV)

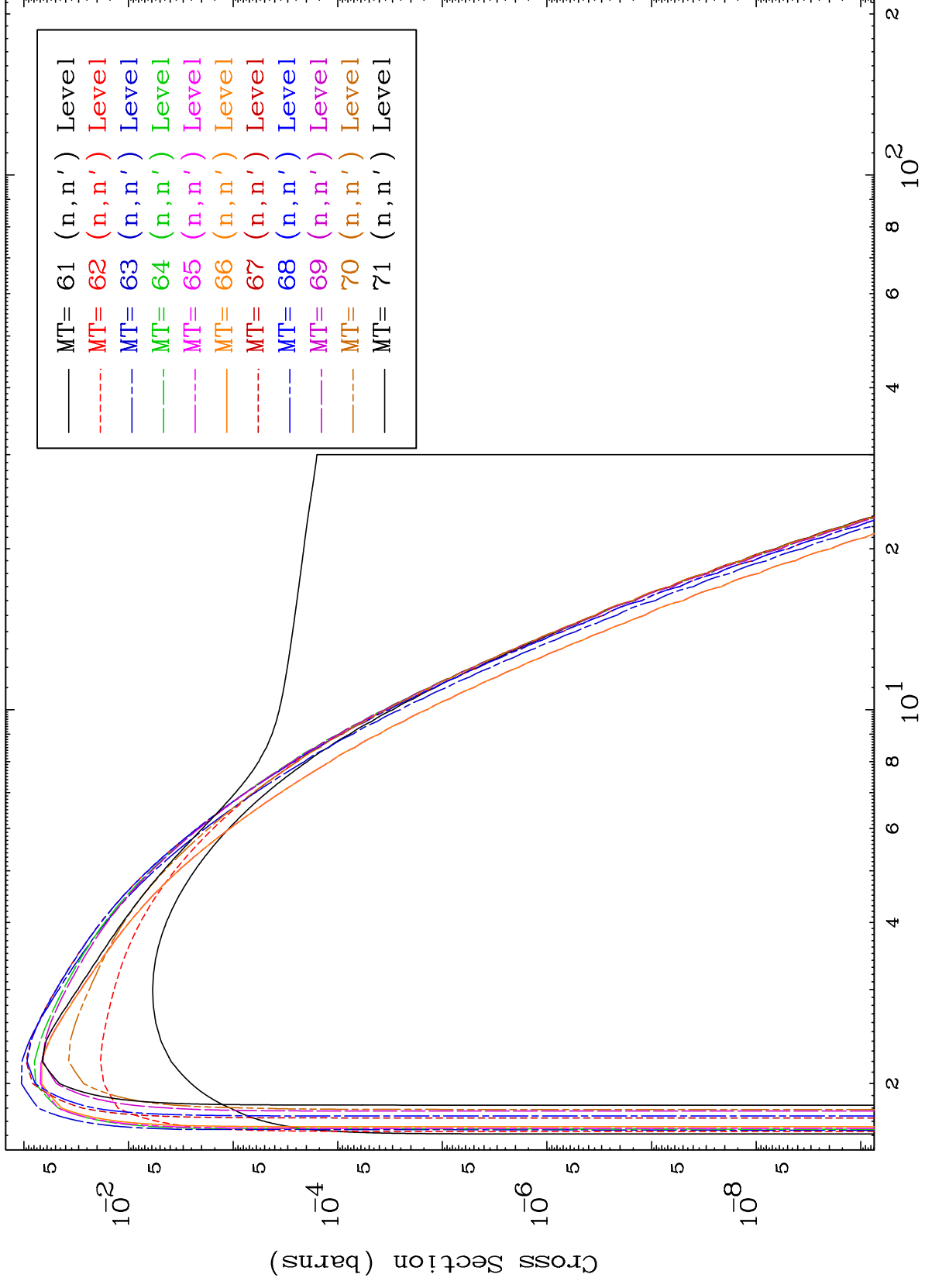
39-Y -87

MAT 3919

(n,n') Level

39-Y -87

293 Kelvin Cross Sections

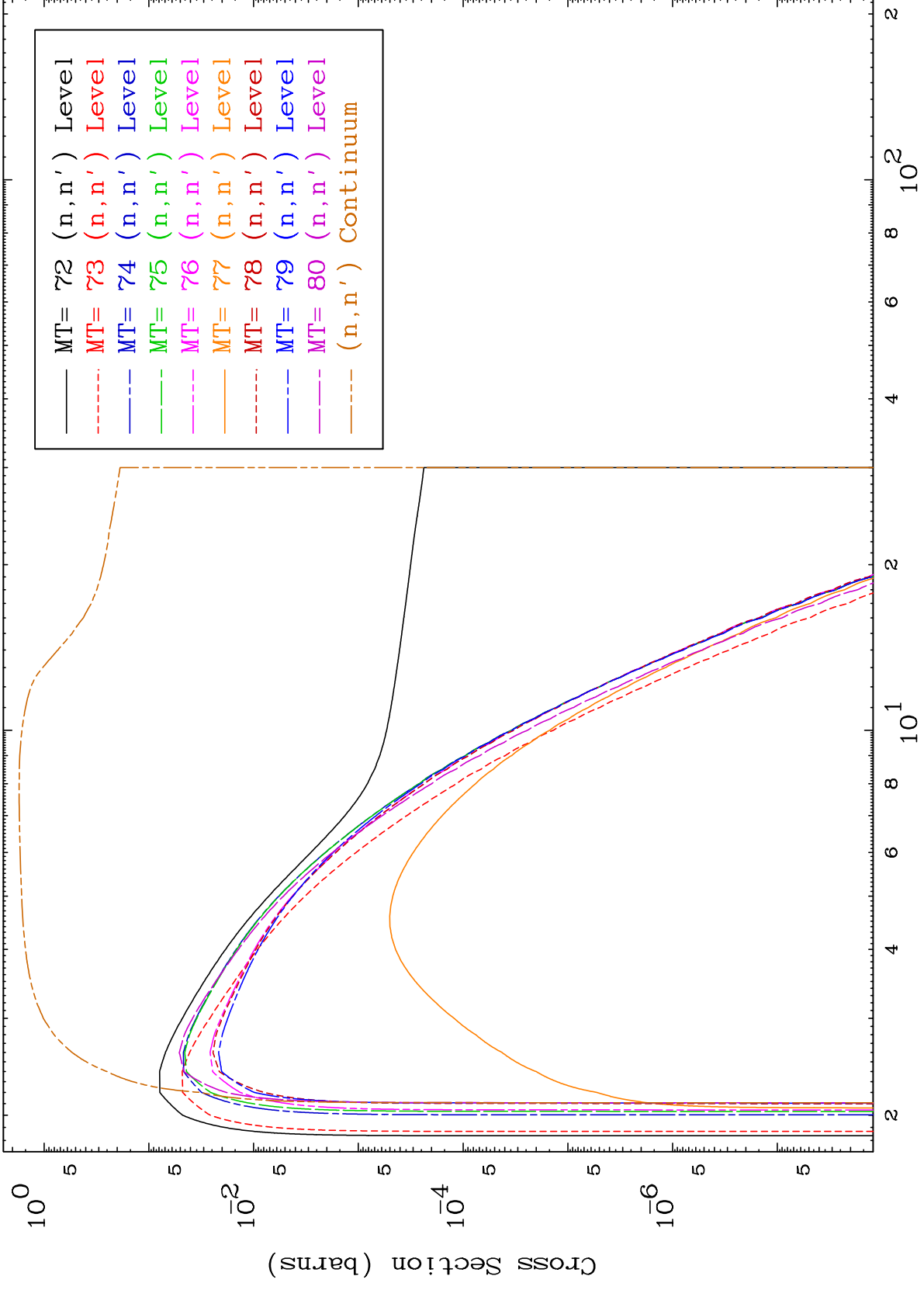


7

Incident Energy (MeV)

39-Y -87

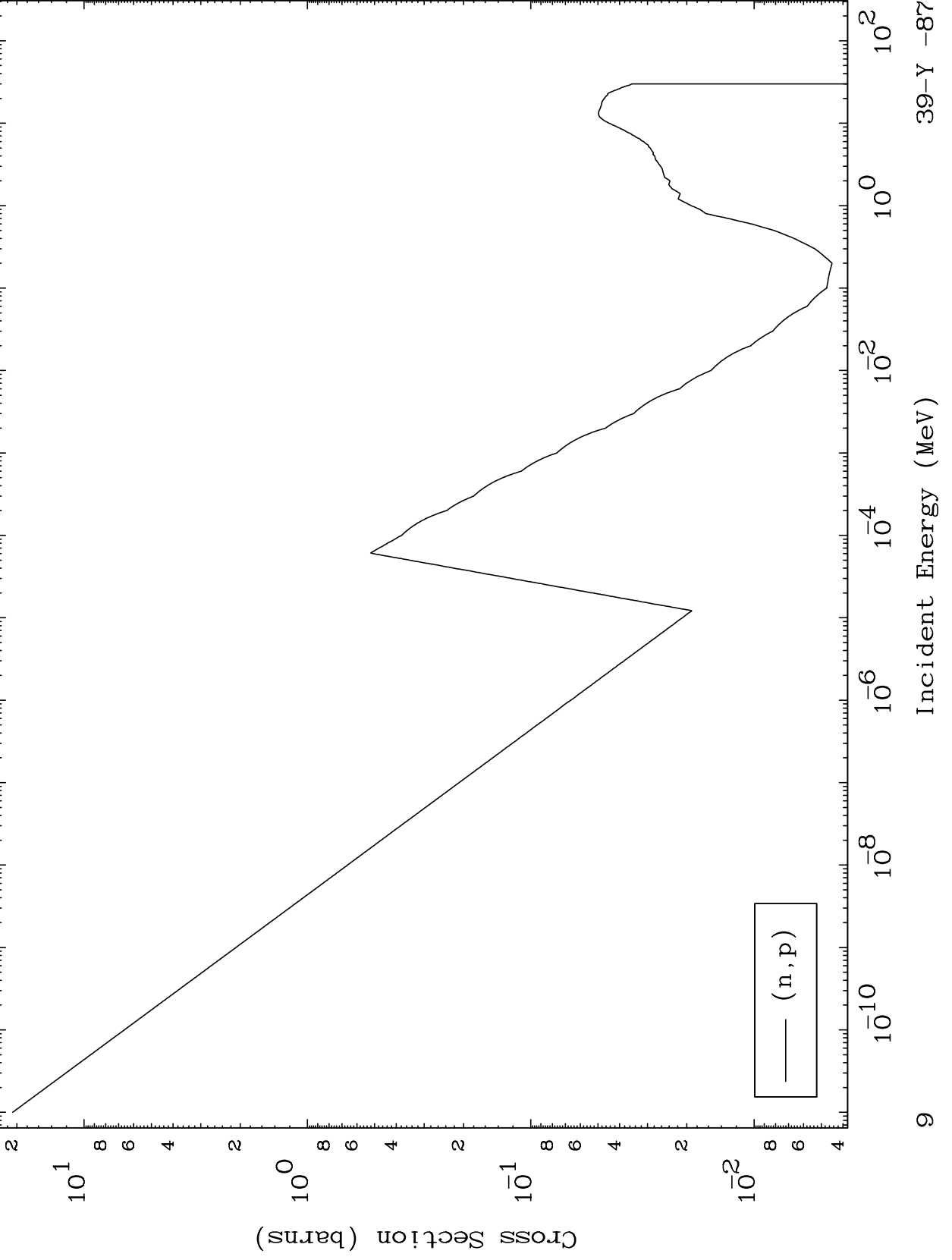
293 Kelvin Cross Sections



MAT 3919

(n,p) Levels
293 Kelvin Cross Sections

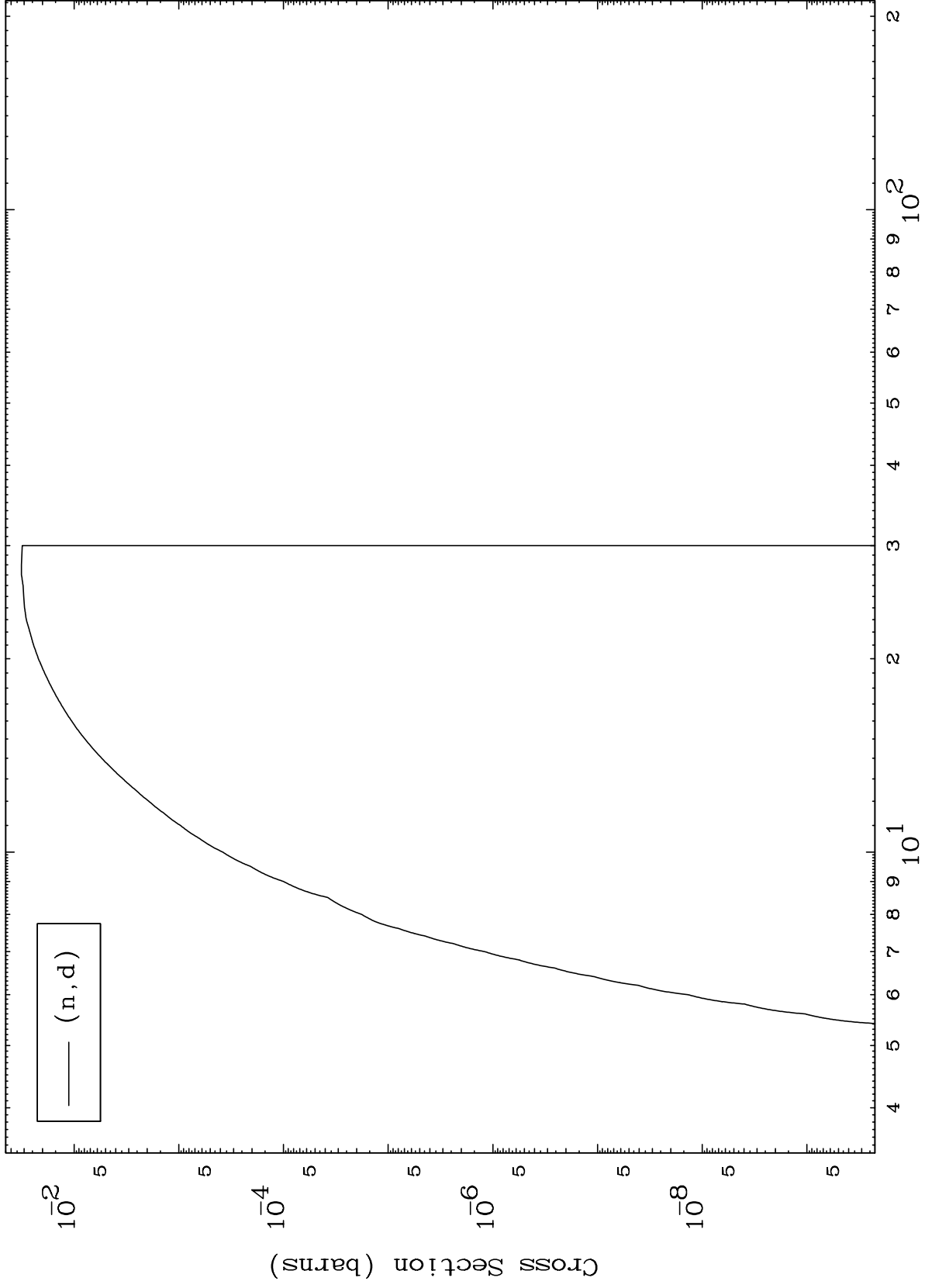
39-Y -87



MAT 3919

(n,d) Levels
293 Kelvin Cross Sections

39-Y -87



10

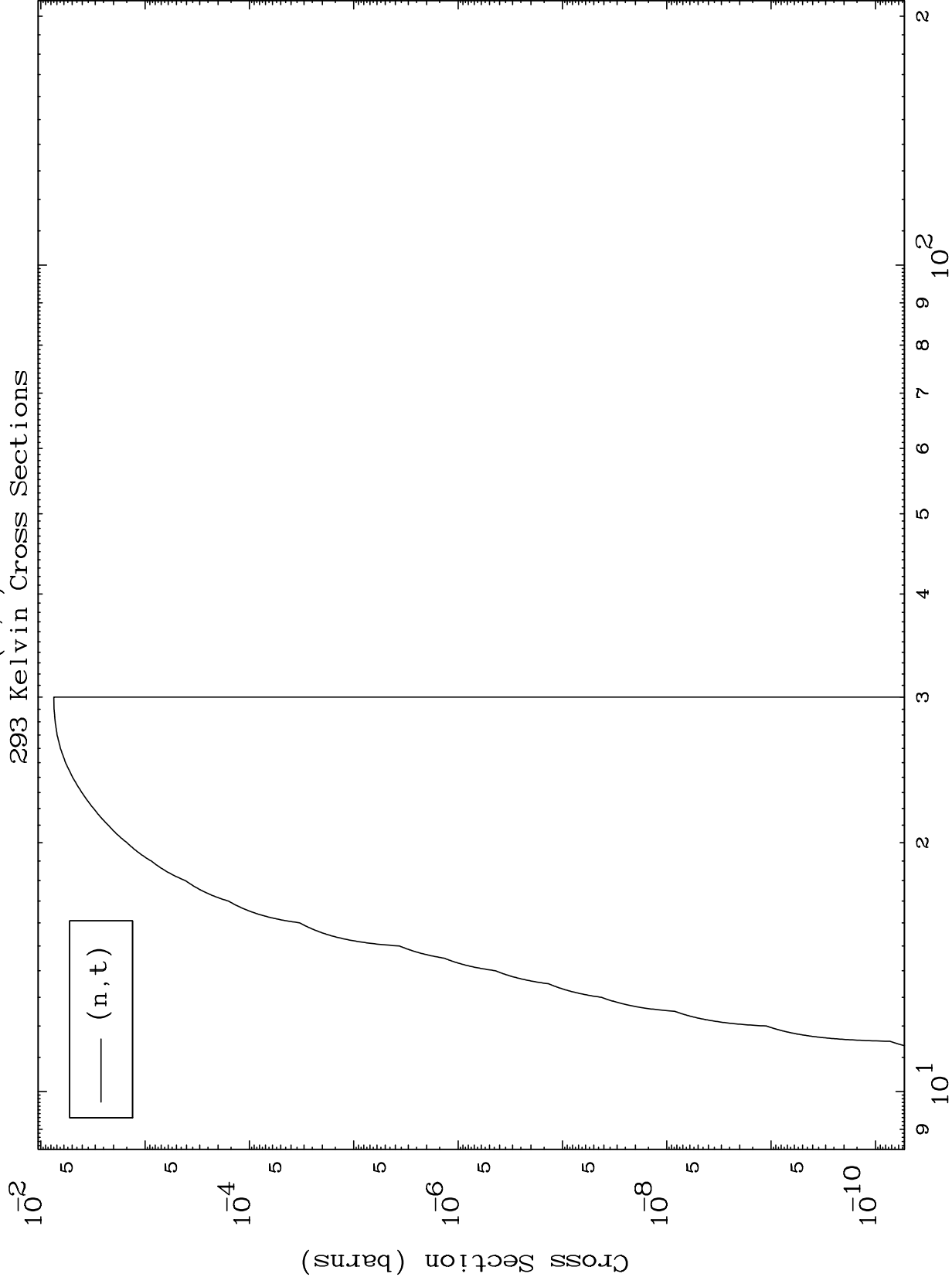
Incident Energy (MeV)

39-Y -87

MAT 3919

(n,t) Levels
293 Kelvin Cross Sections

39-Y -87



11

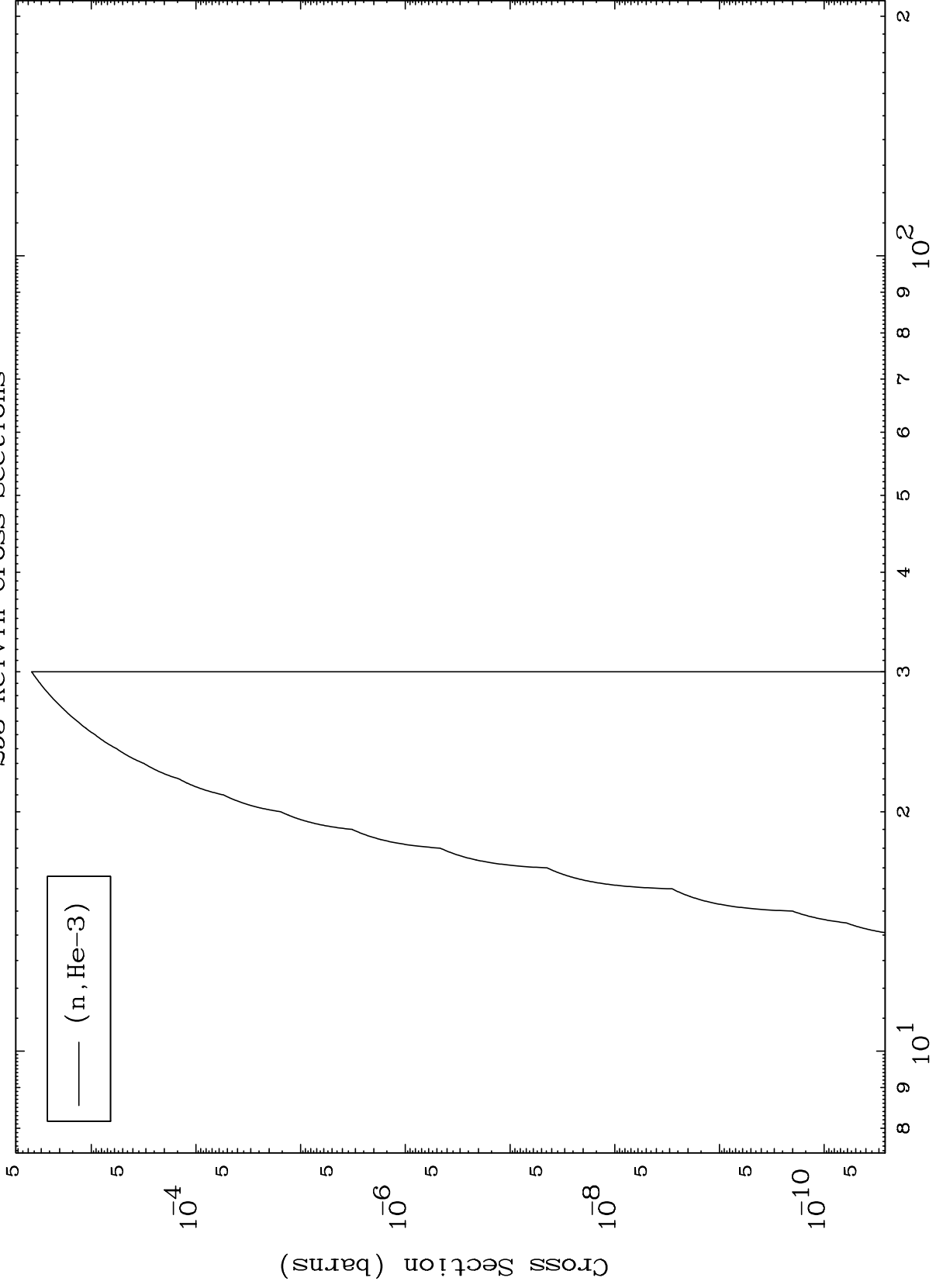
Incident Energy (MeV)

39-Y -87

MAT 3919

(n,He3) Levels
293 Kelvin Cross Sections

39-Y -87



12

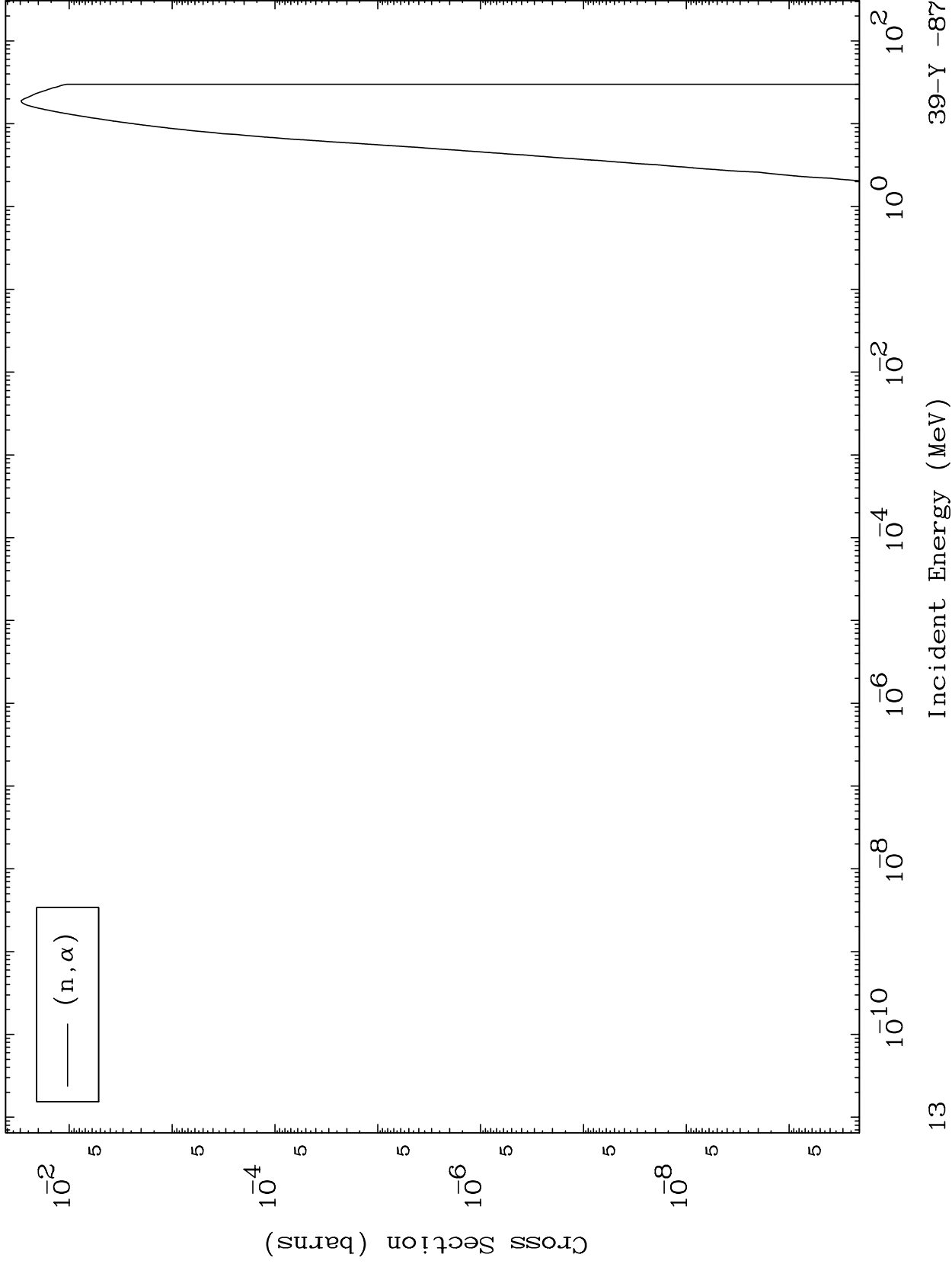
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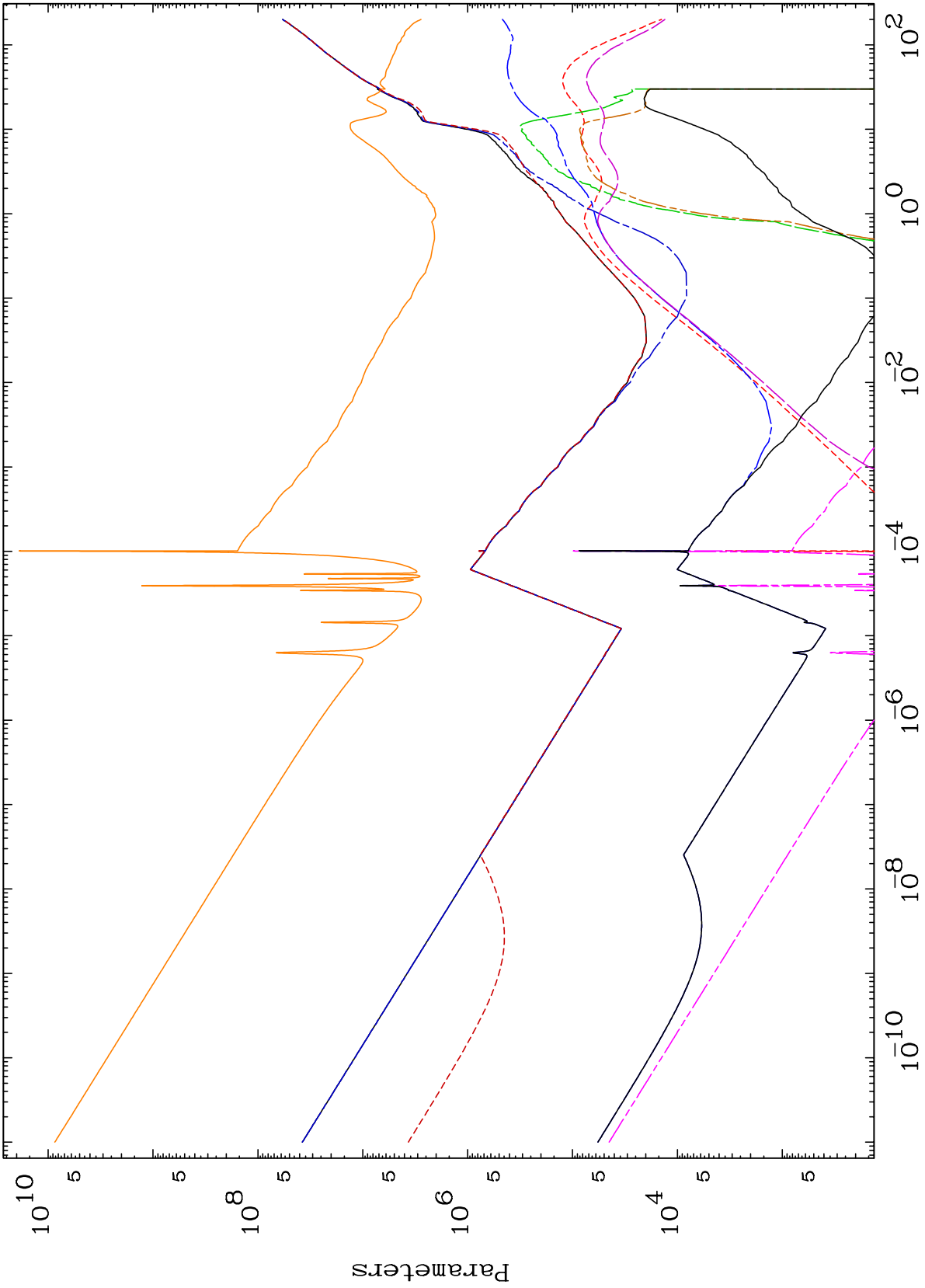
39-Y -87

MAT 3919

(n, α) Levels
293 Kelvin Cross Sections

39-Y -87

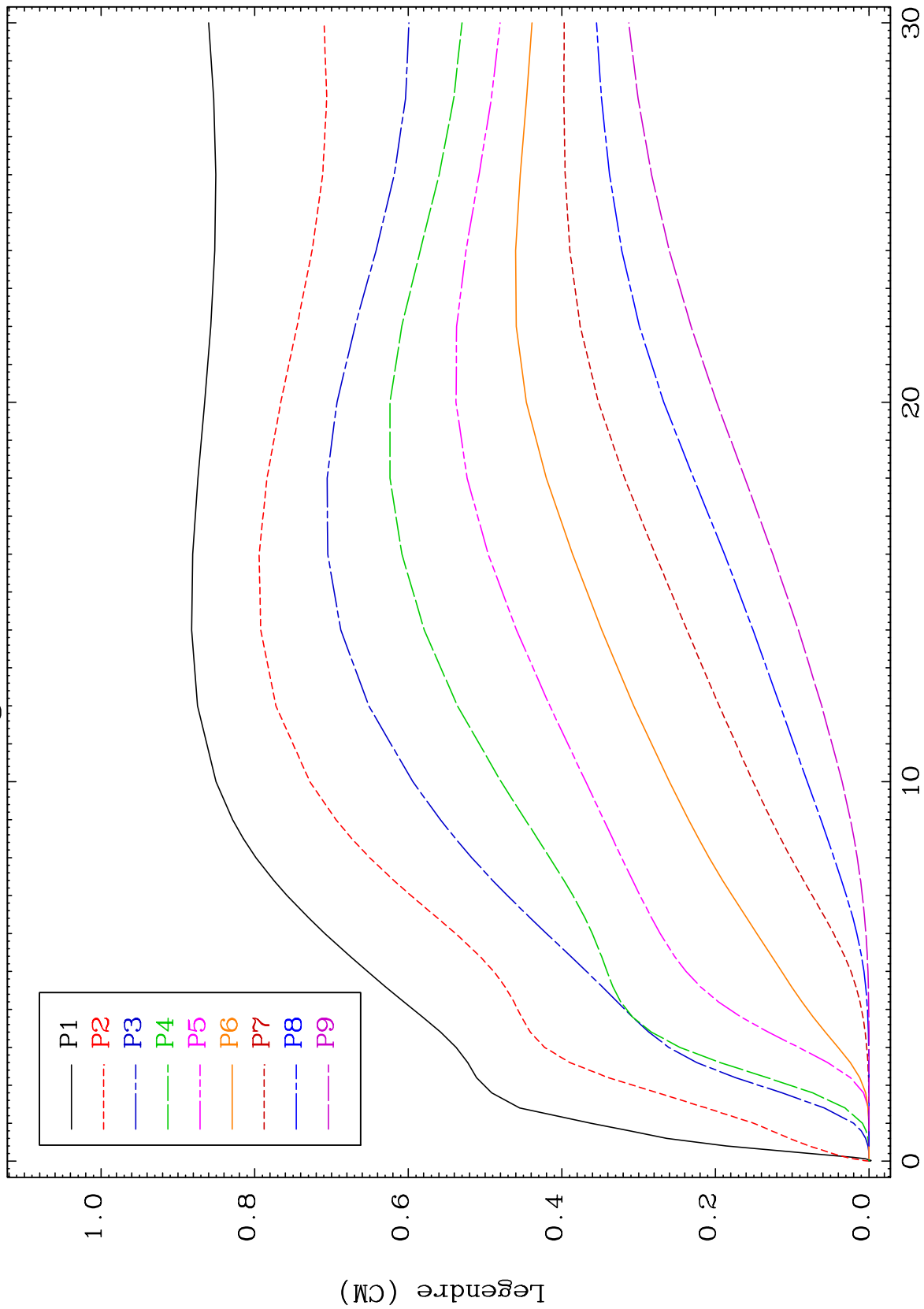




MAT 3919

Elastic Legendre Coefficients

39-Y -87



15

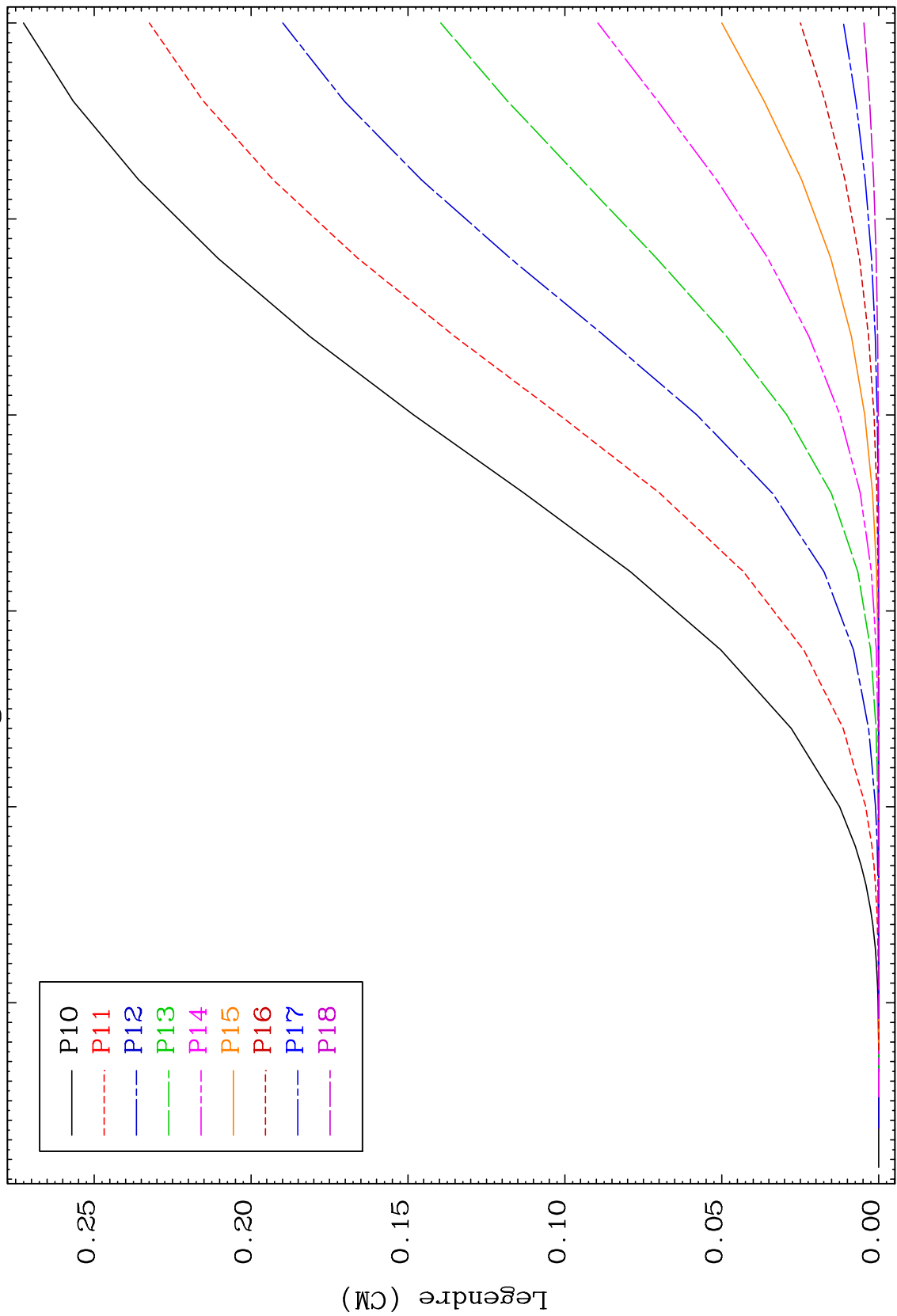
Incident Energy (MeV)

39-Y -87

MAT 3919

Elastic Legendre Coefficients

39-Y -87



16

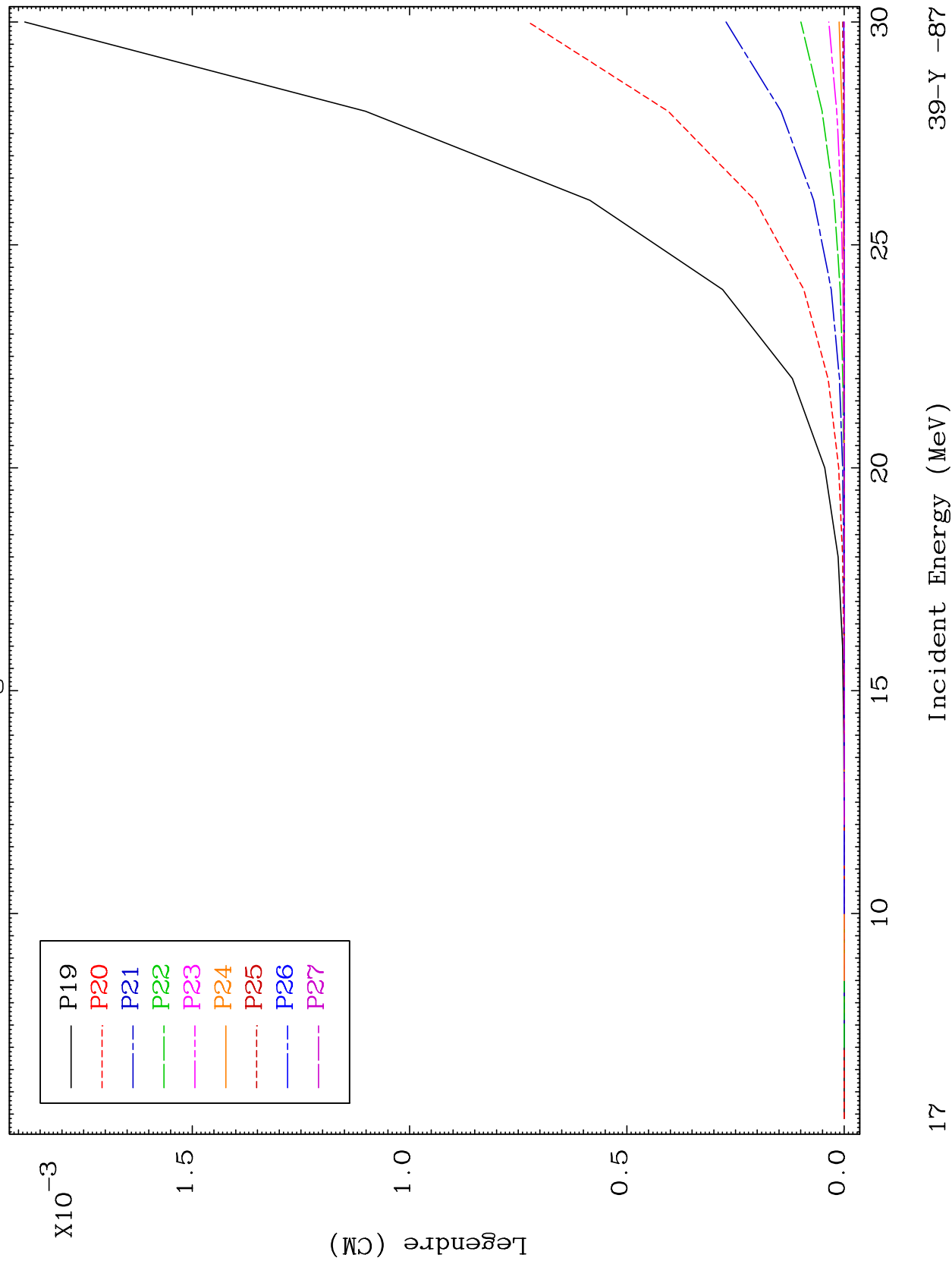
Incident Energy (MeV)

39-Y -87

MAT 3919

Elastic Legendre Coefficients

39-Y -87



17

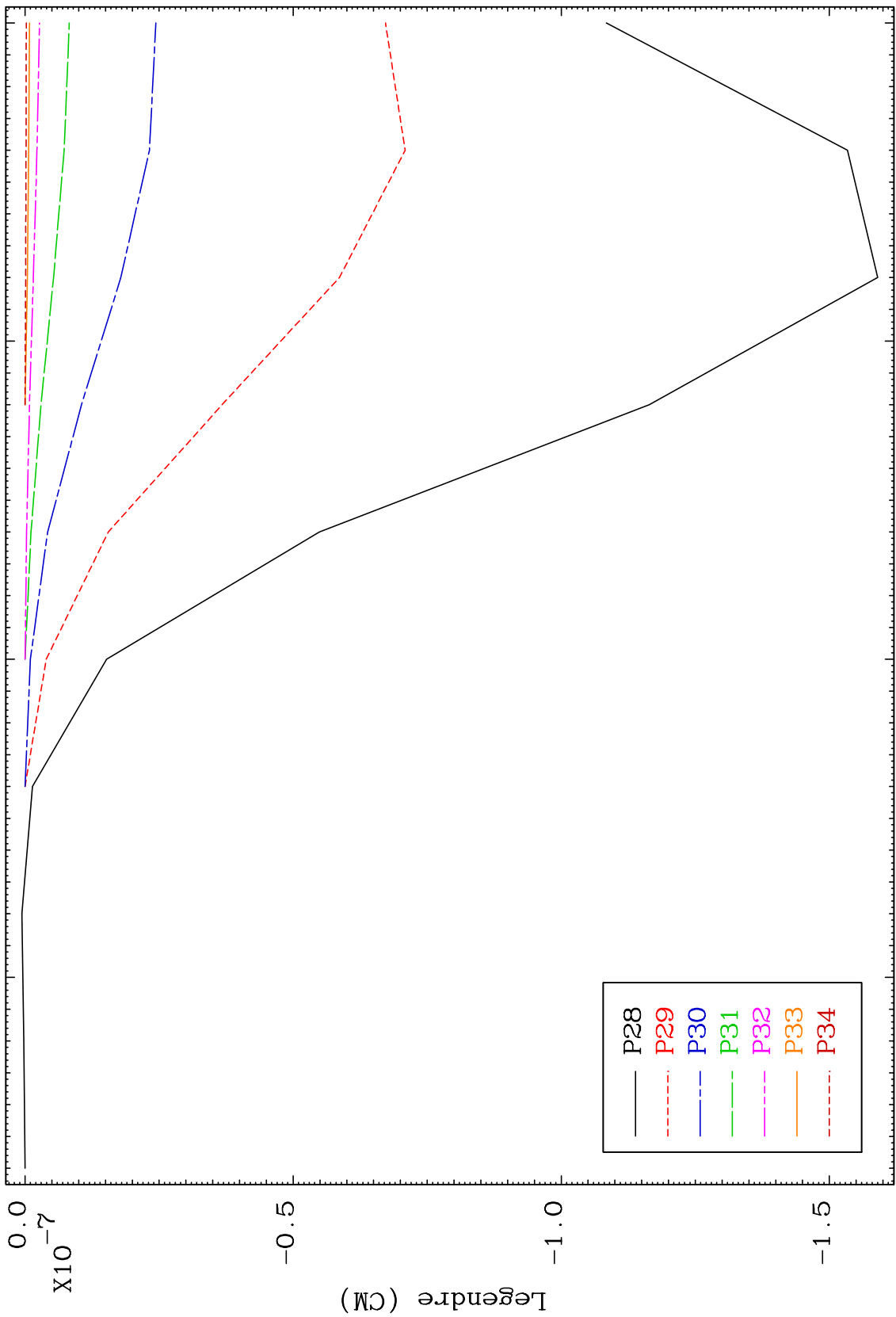
Incident Energy (MeV)

39-Y -87

MAT 3919

39-Y -87

Elastic Legendre Coefficients

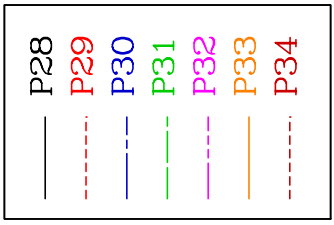


Legendre (CM)
X10⁻⁷

Incident Energy (MeV)

18

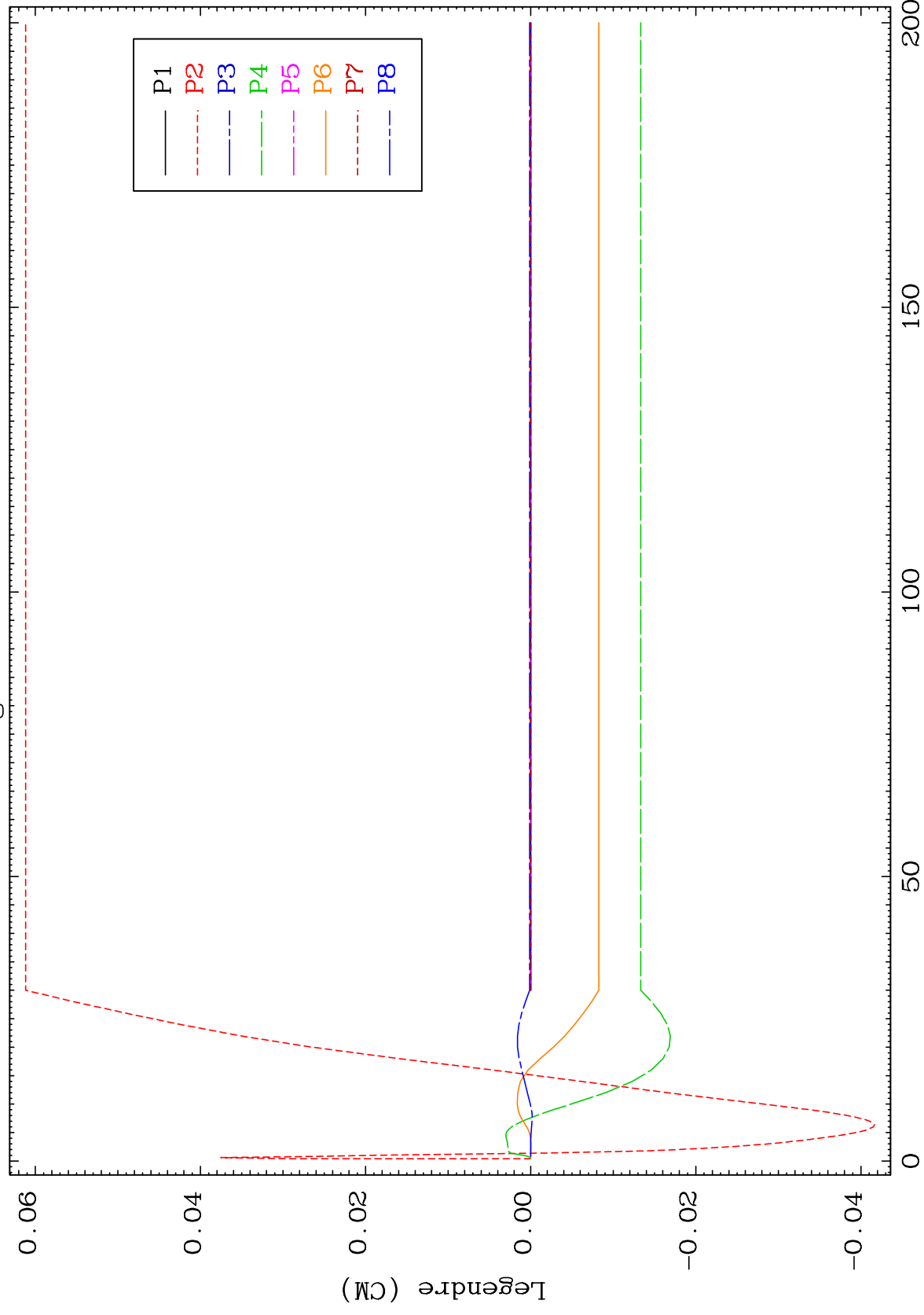
39-Y -87



MAT 3919

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

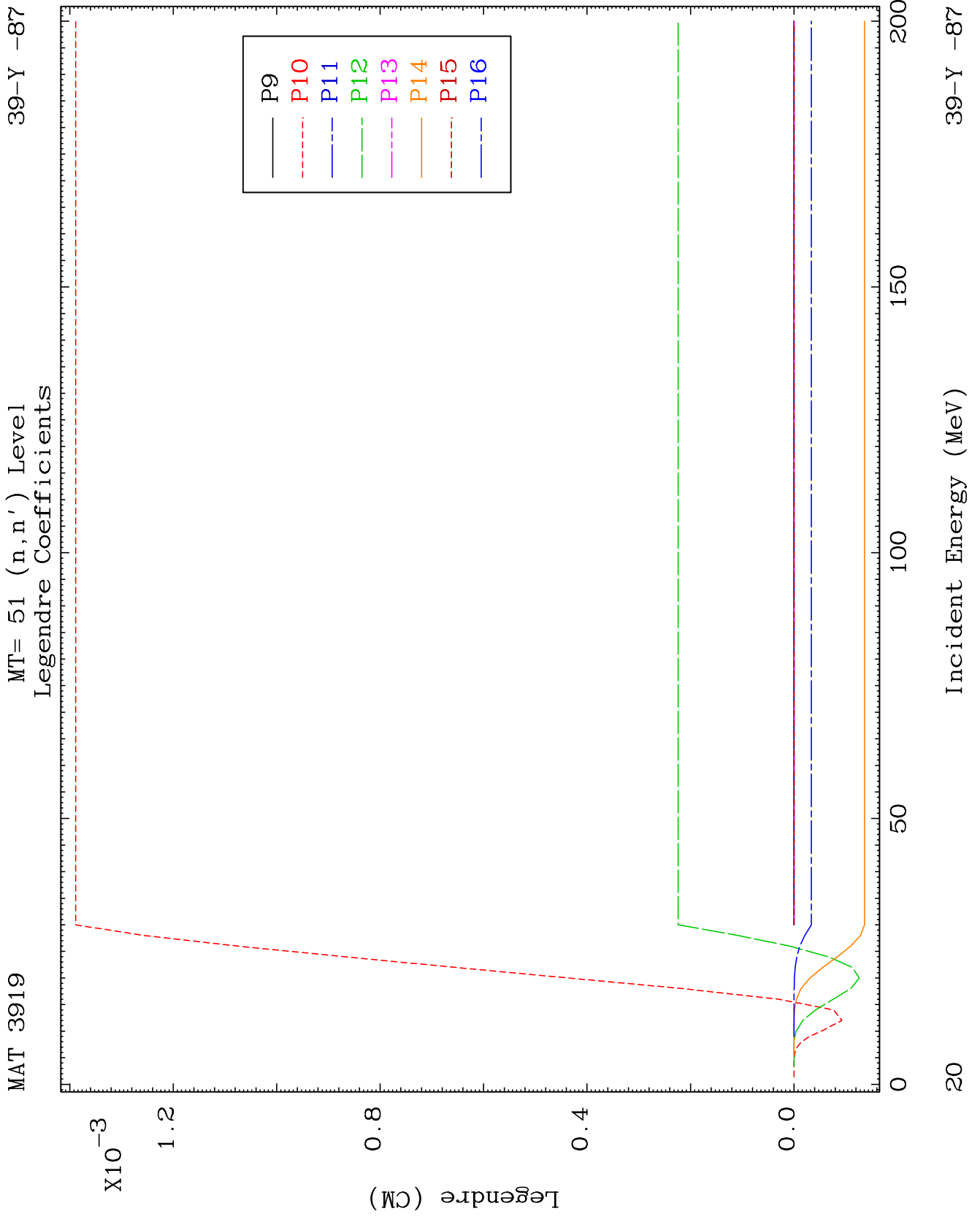
39-Y -87



19

Incident Energy (MeV)

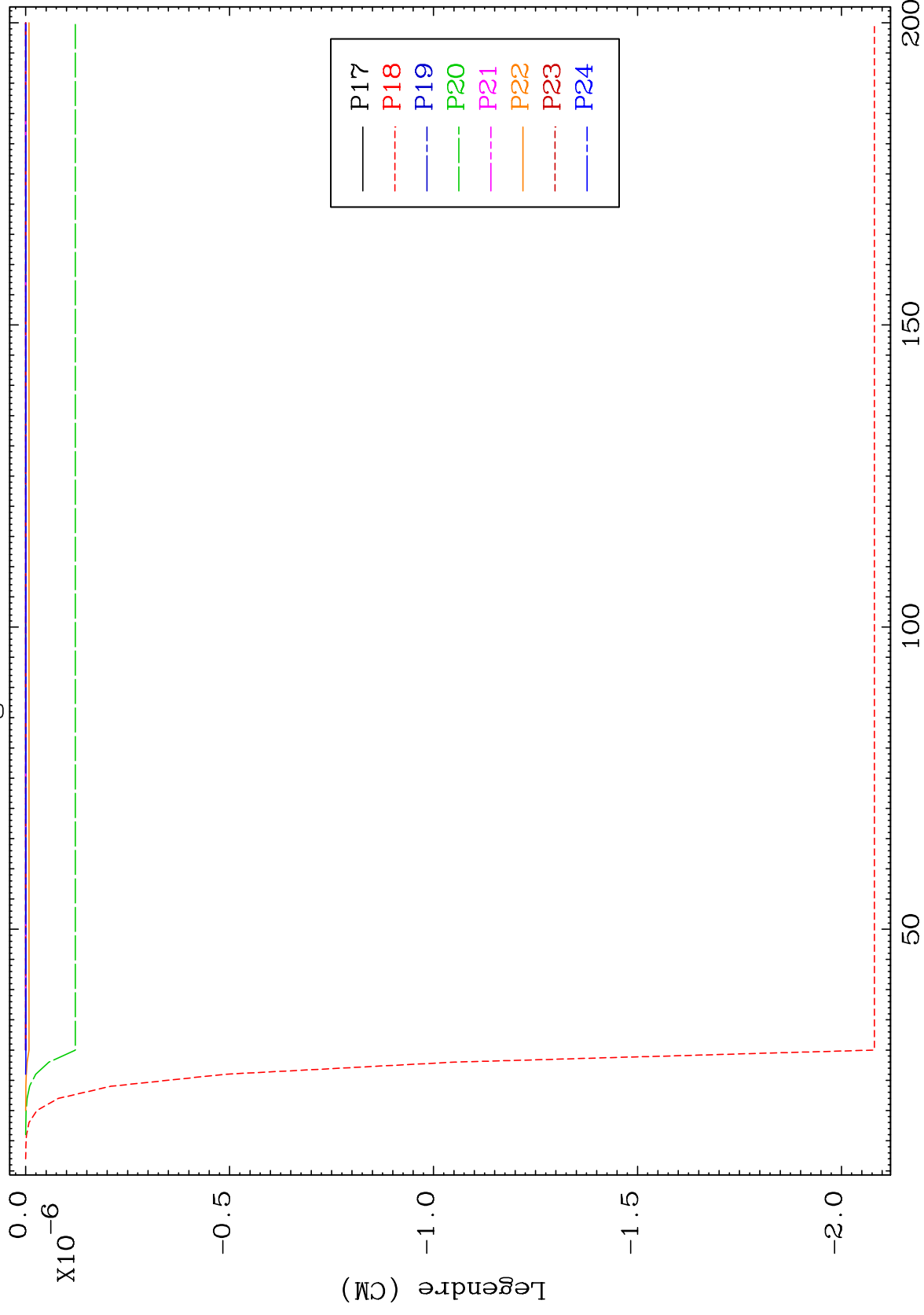
39-Y -87



MAT 3919 MT= 51 (n,n') Level

Legendre Coefficients

39-Y -87



39-Y -87

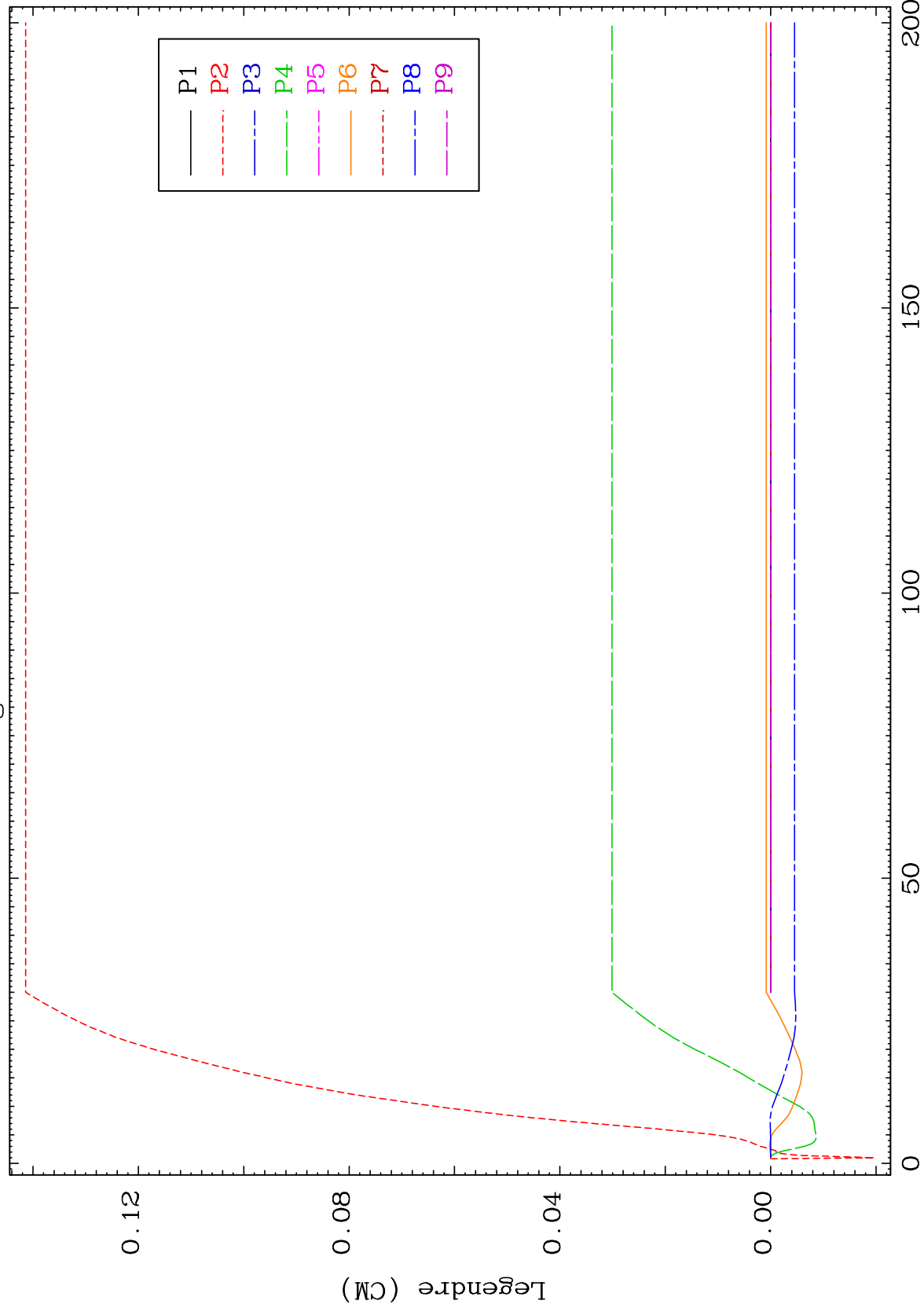
Incident Energy (MeV)

21

MAT 3919

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

39-Y -87



22

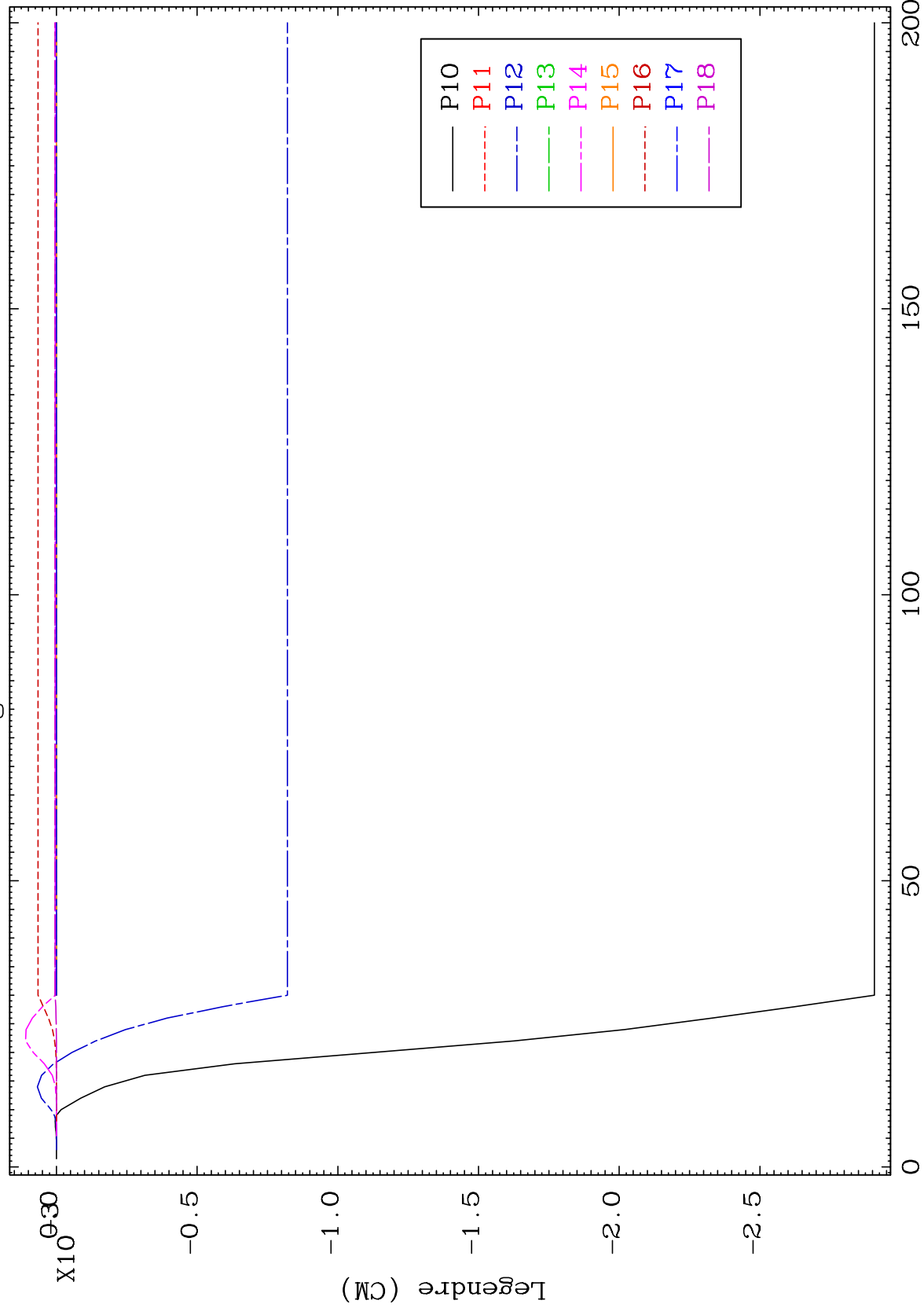
Incident Energy (MeV)

39-Y -87

MAT 3919

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

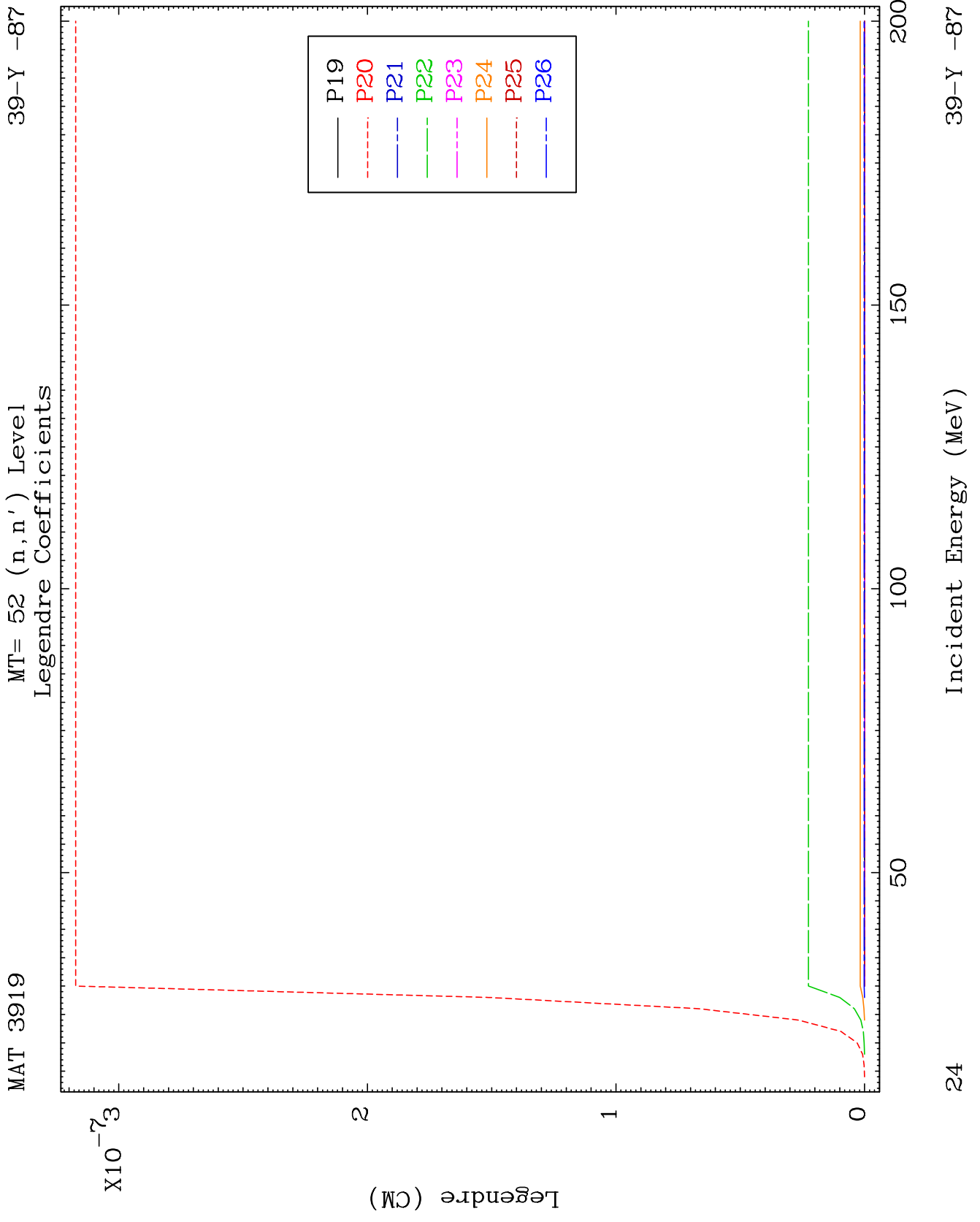
39-Y -87



23

Incident Energy (MeV)

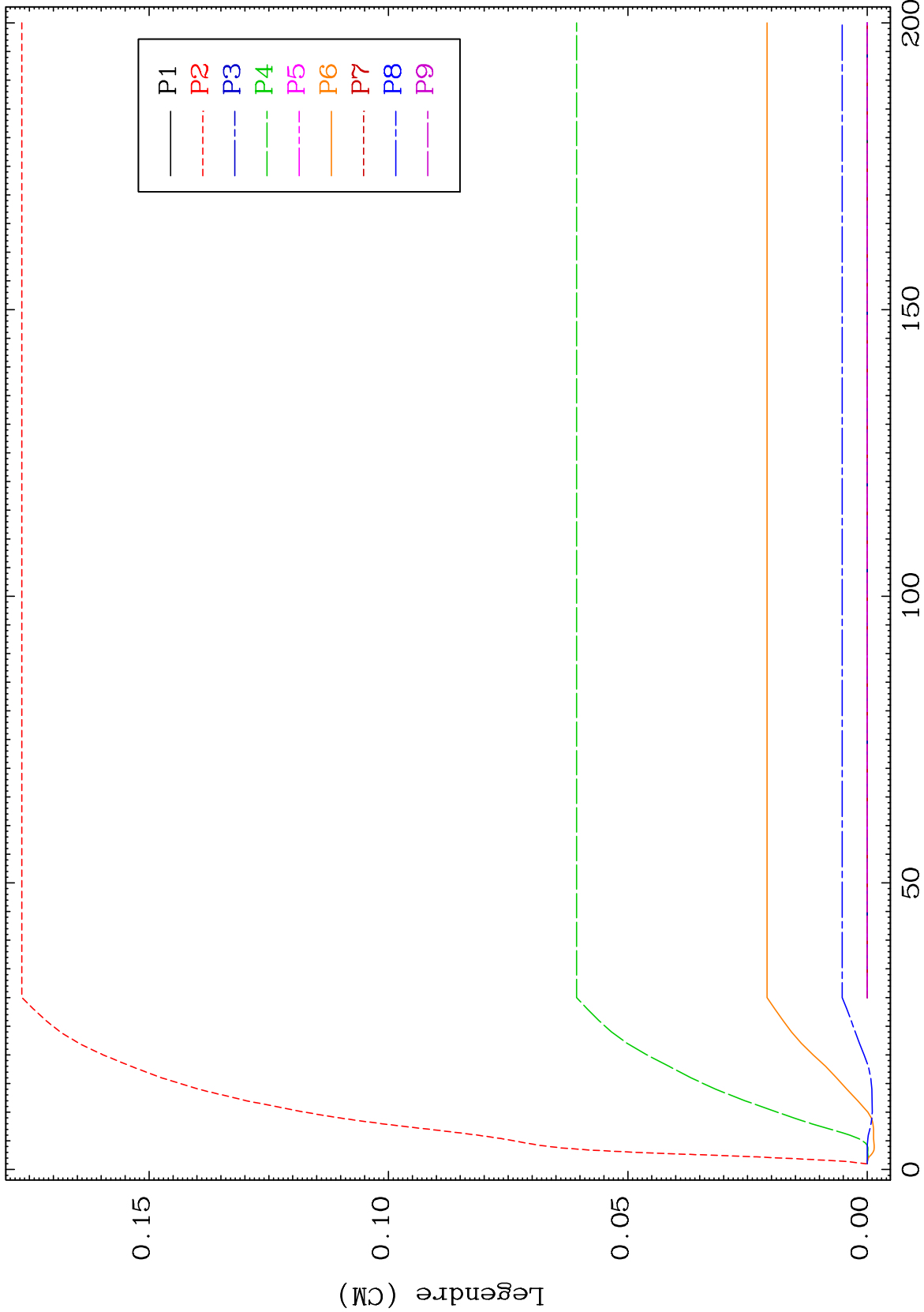
39-Y -87



MAT 3919

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

39-Y -87



25

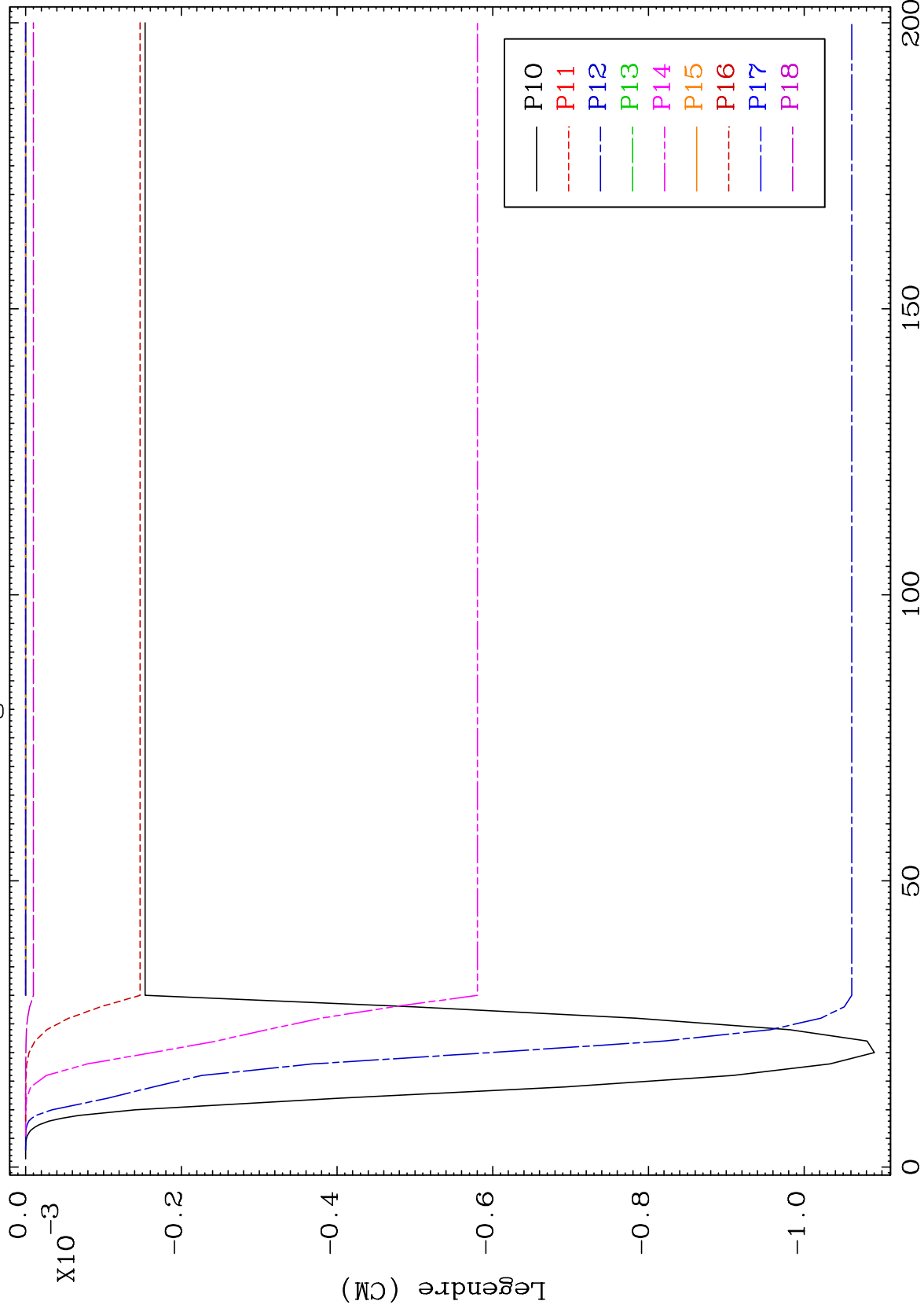
Incident Energy (MeV)

39-Y -87

MAT 3919

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

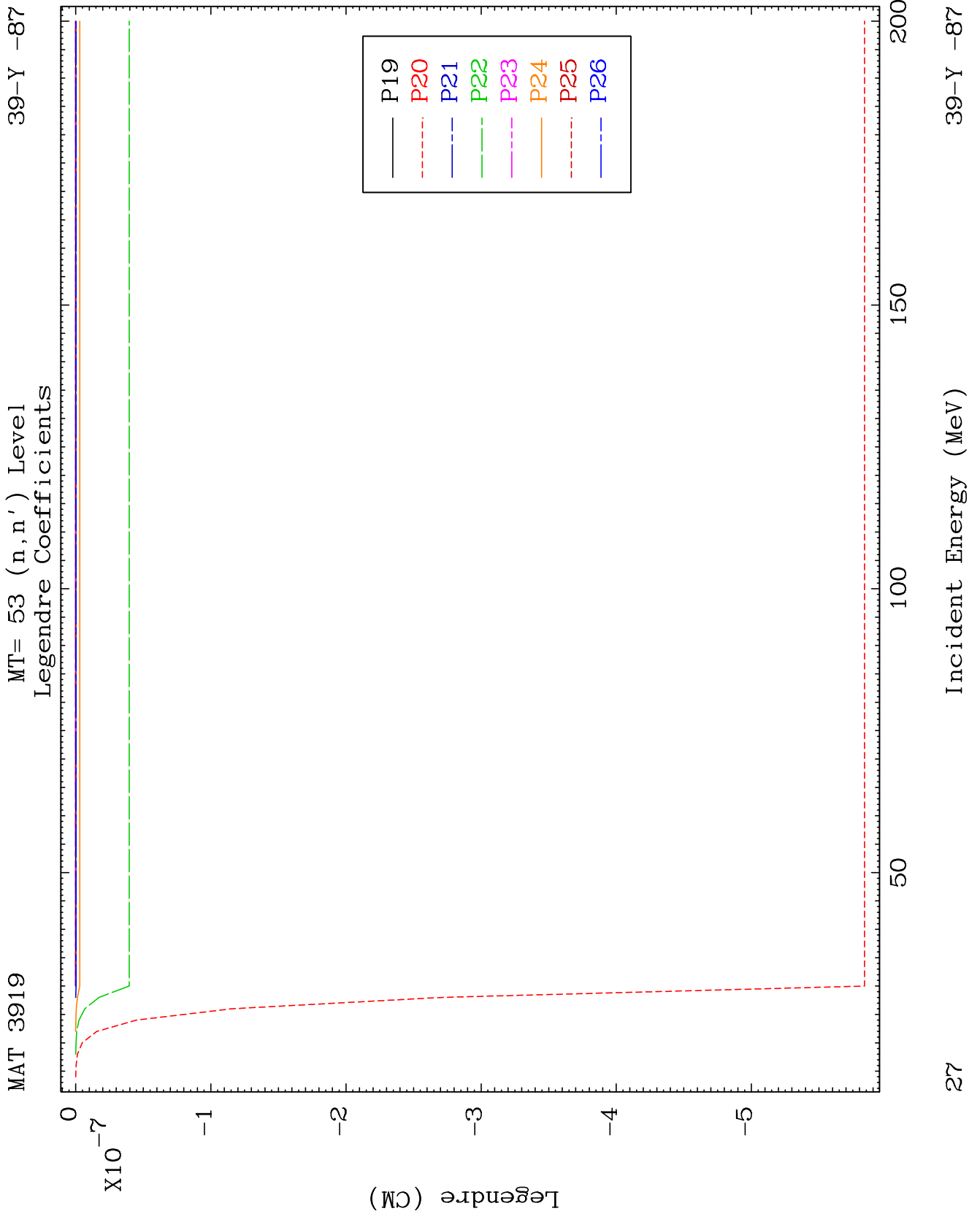
39-Y -87

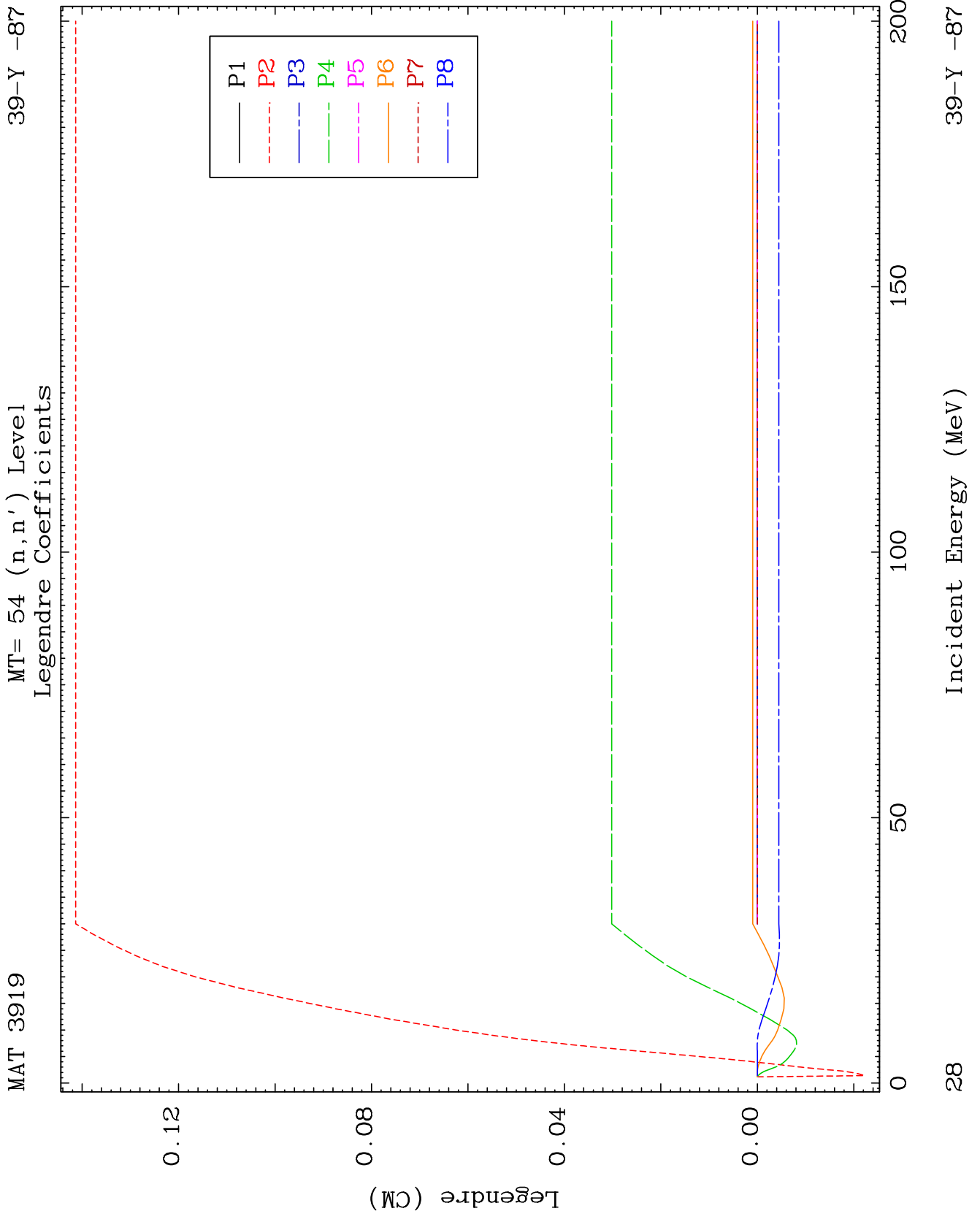


26

Incident Energy (MeV)

39-Y -87



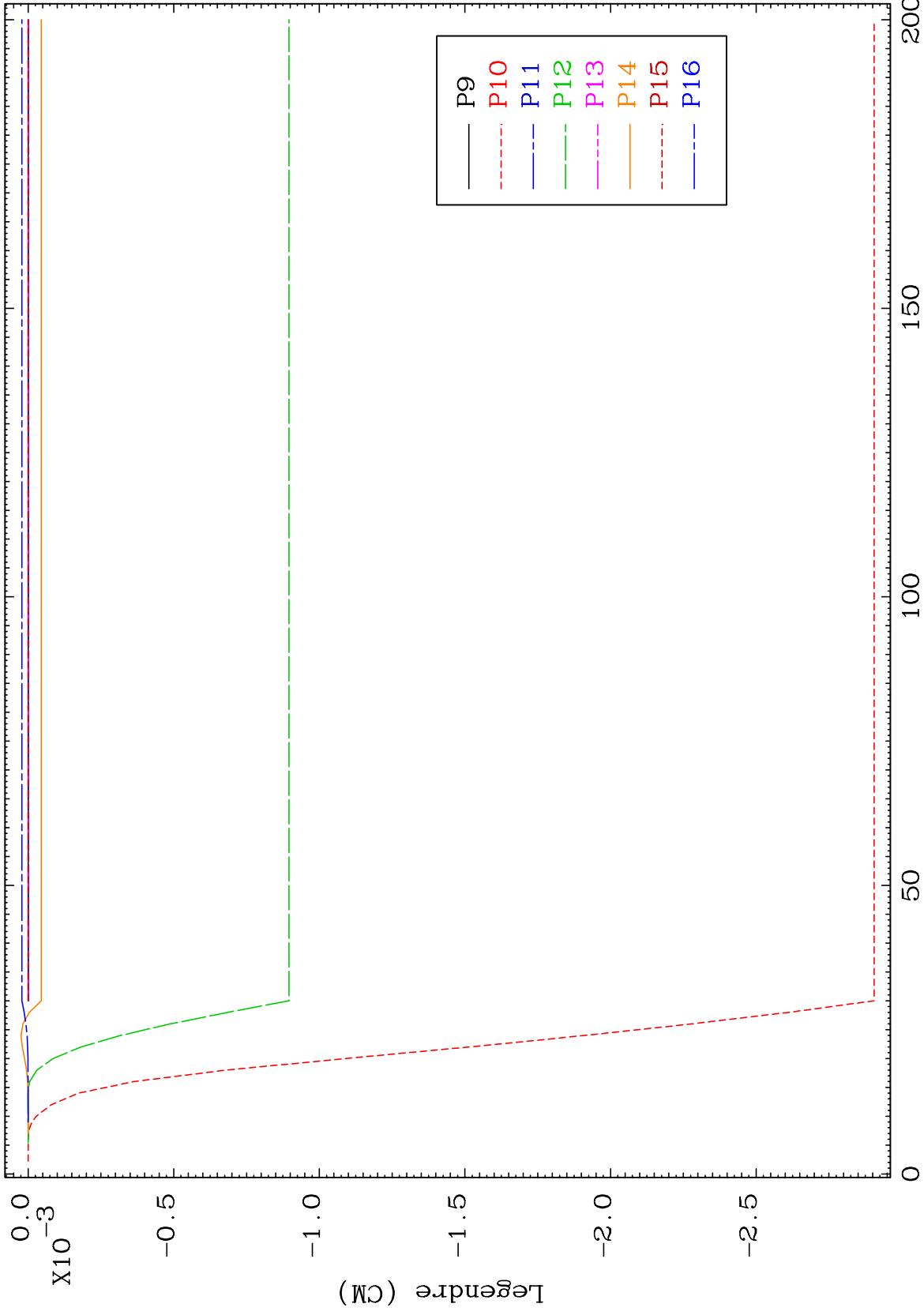


MAT 3919

MT= 54 (n,n') Level

39-Y -87

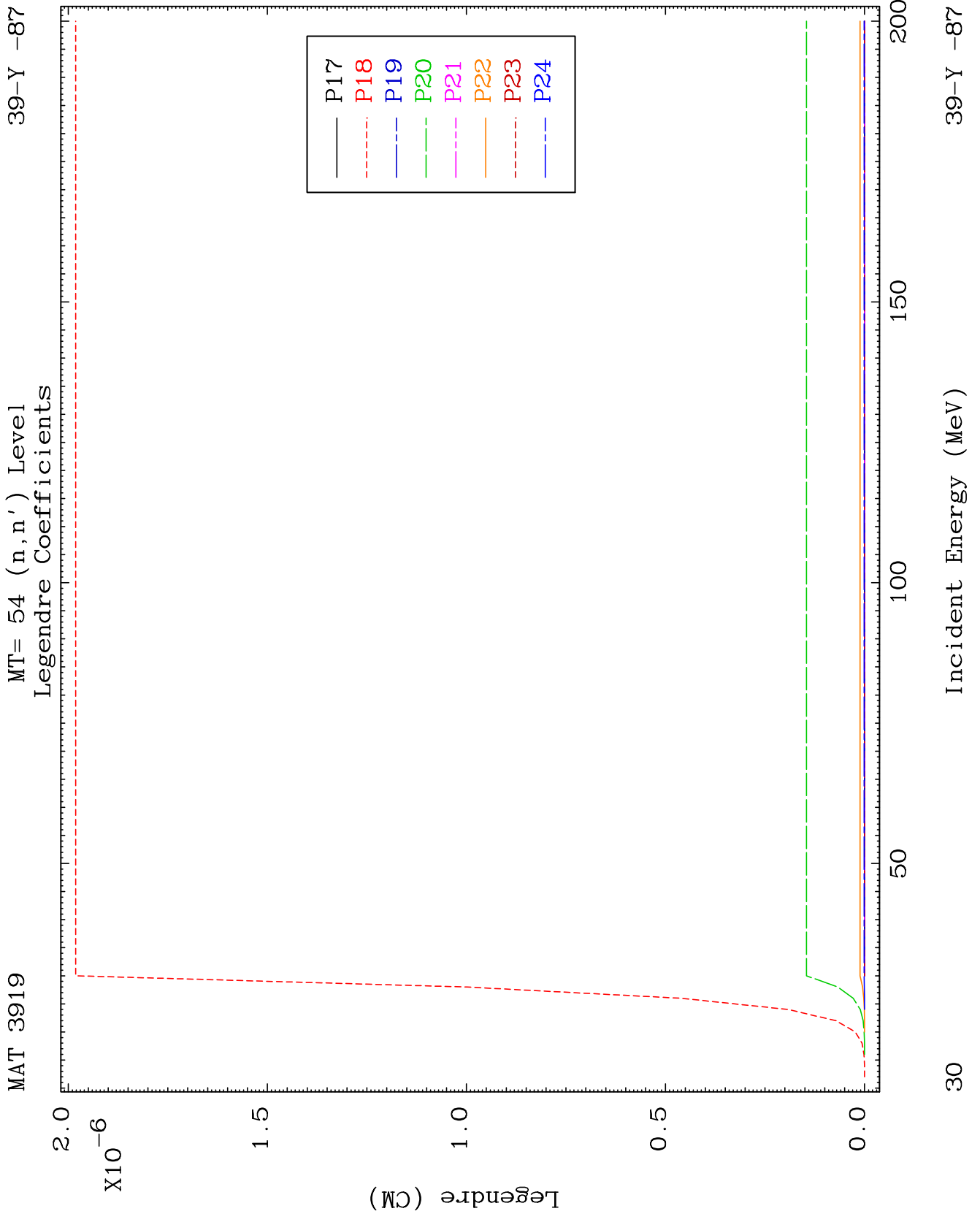
Legendre Coefficients

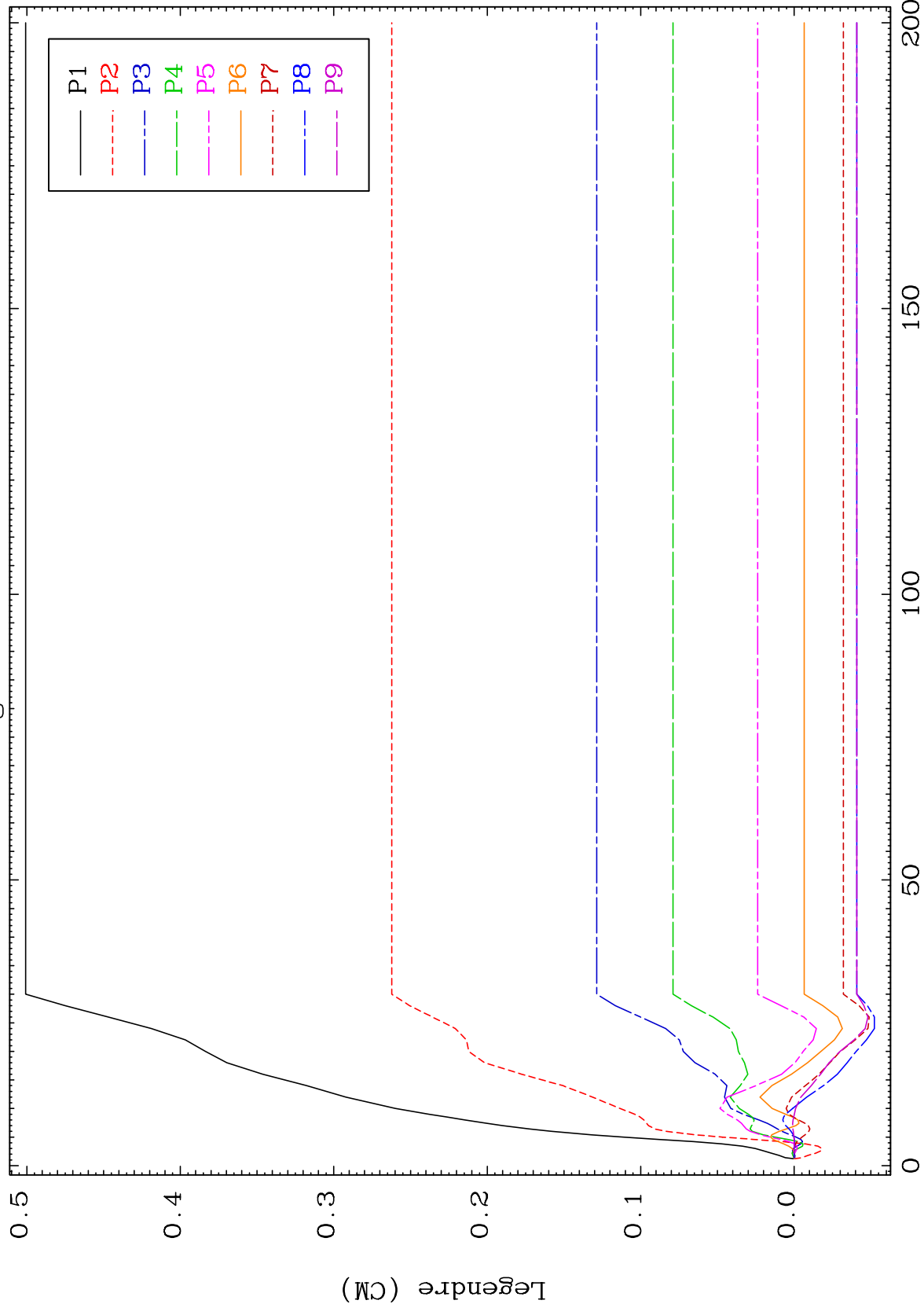


29

Incident Energy (MeV)

39-Y -87

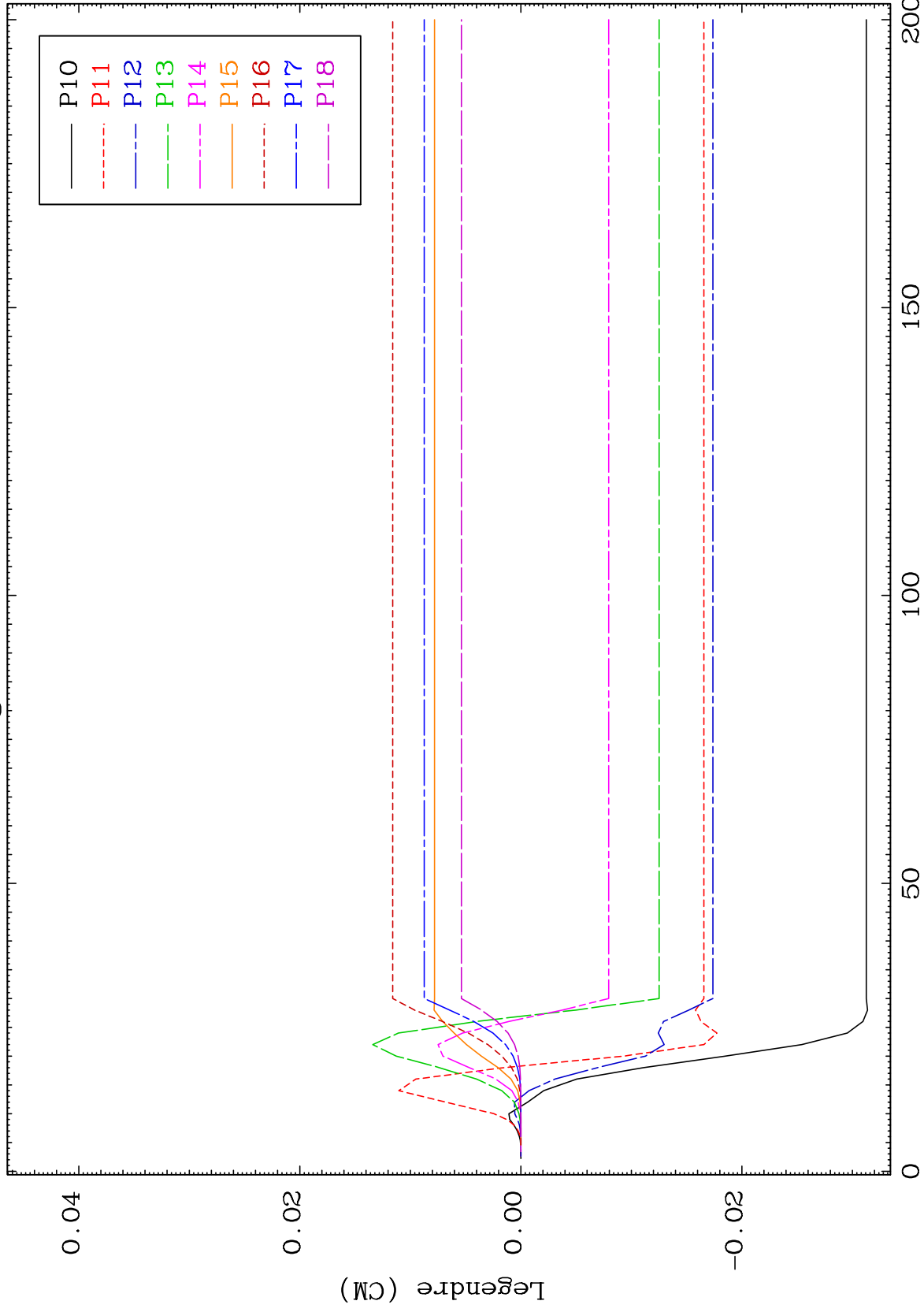




MAT 3919

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

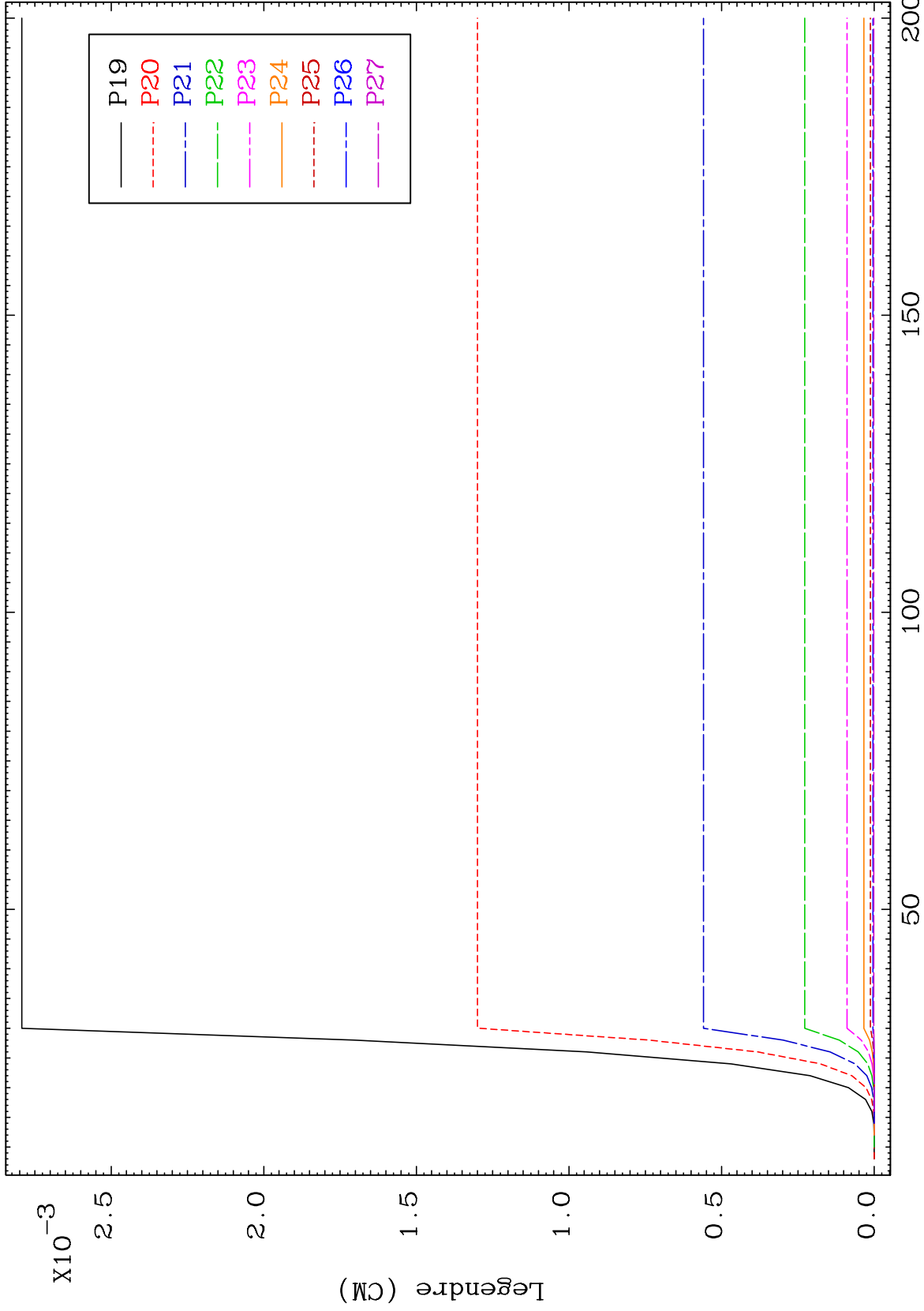
39-Y -87



32

Incident Energy (MeV)

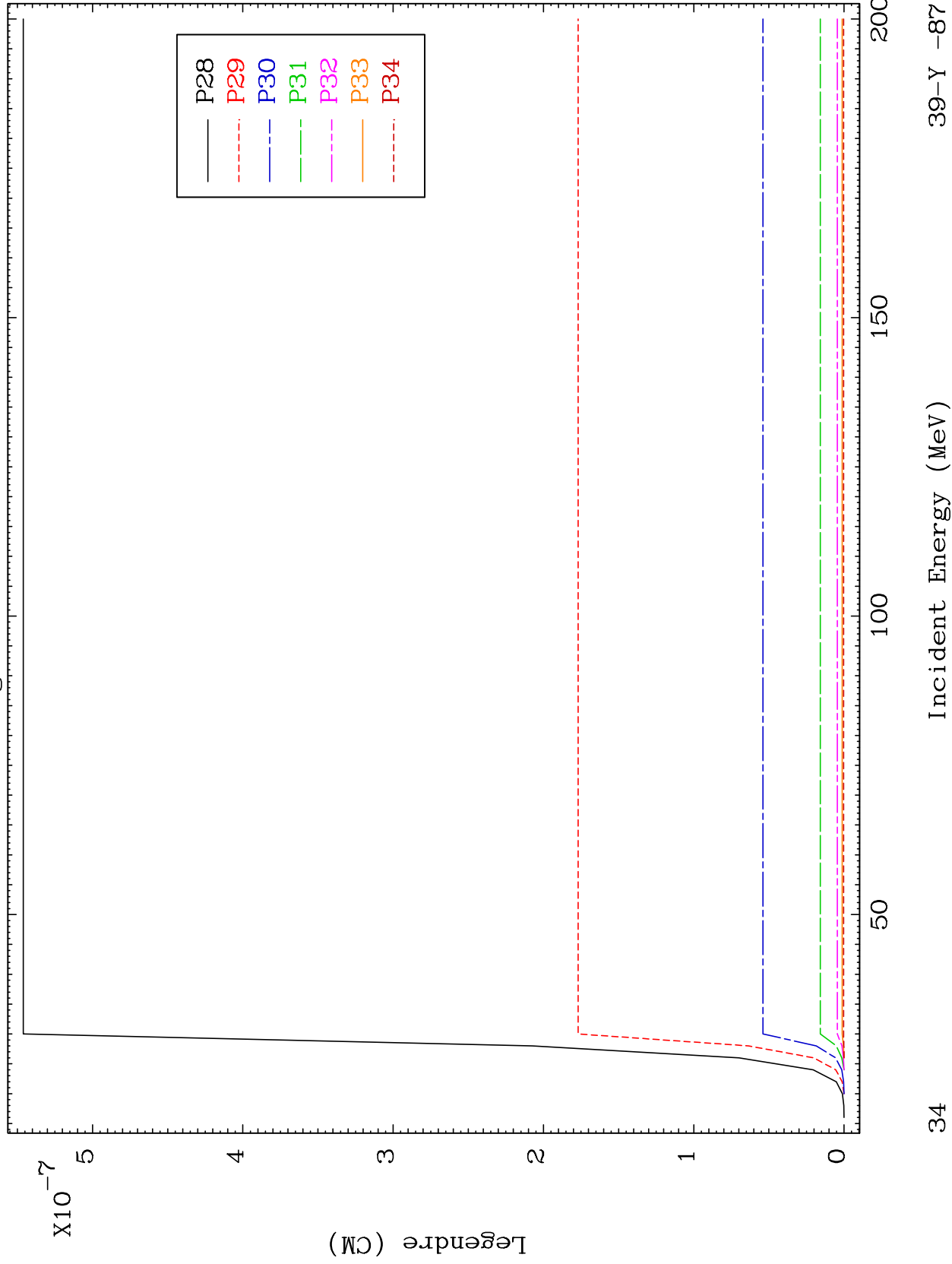
39-Y -87

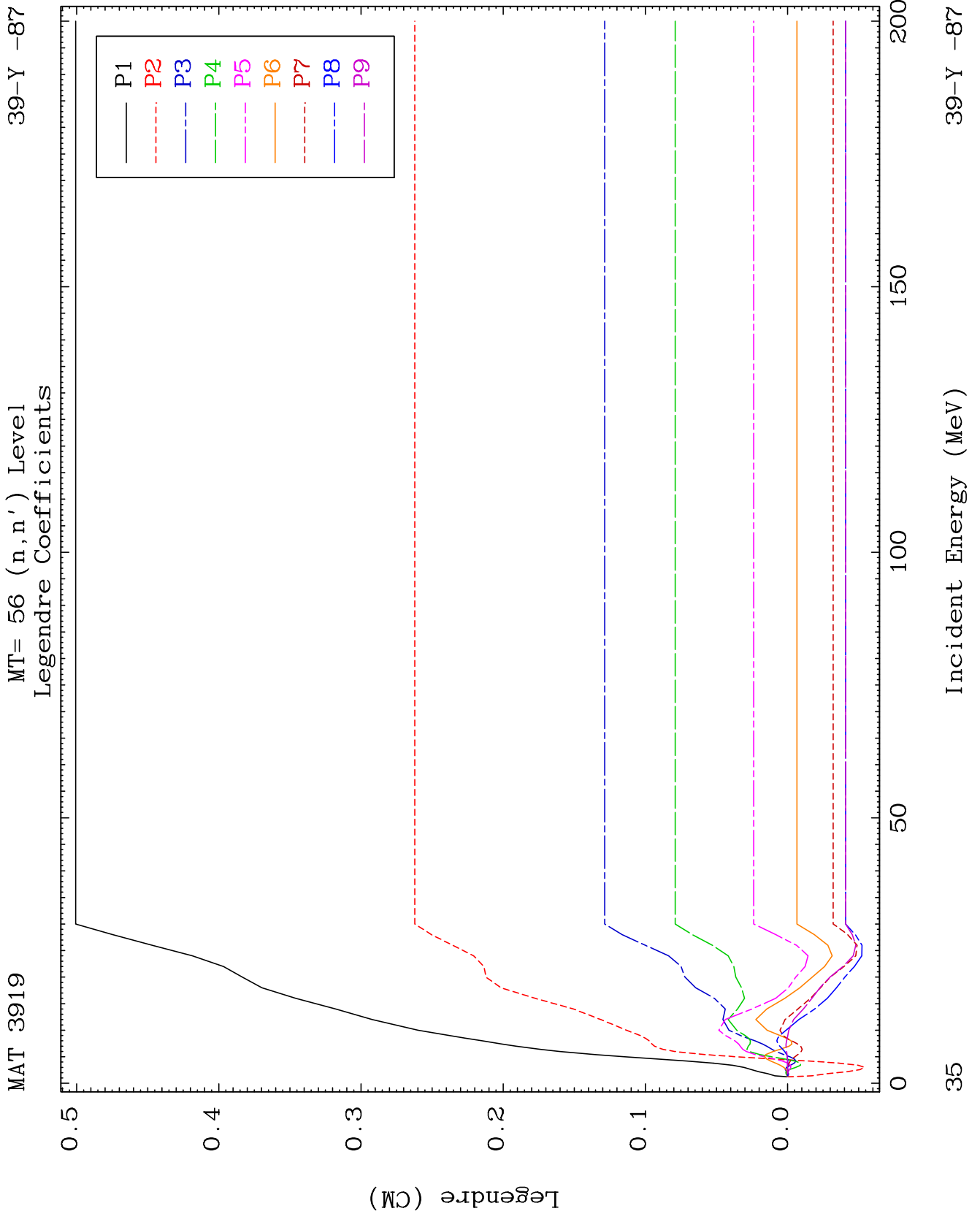


MAT 3919

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

39-Y -87

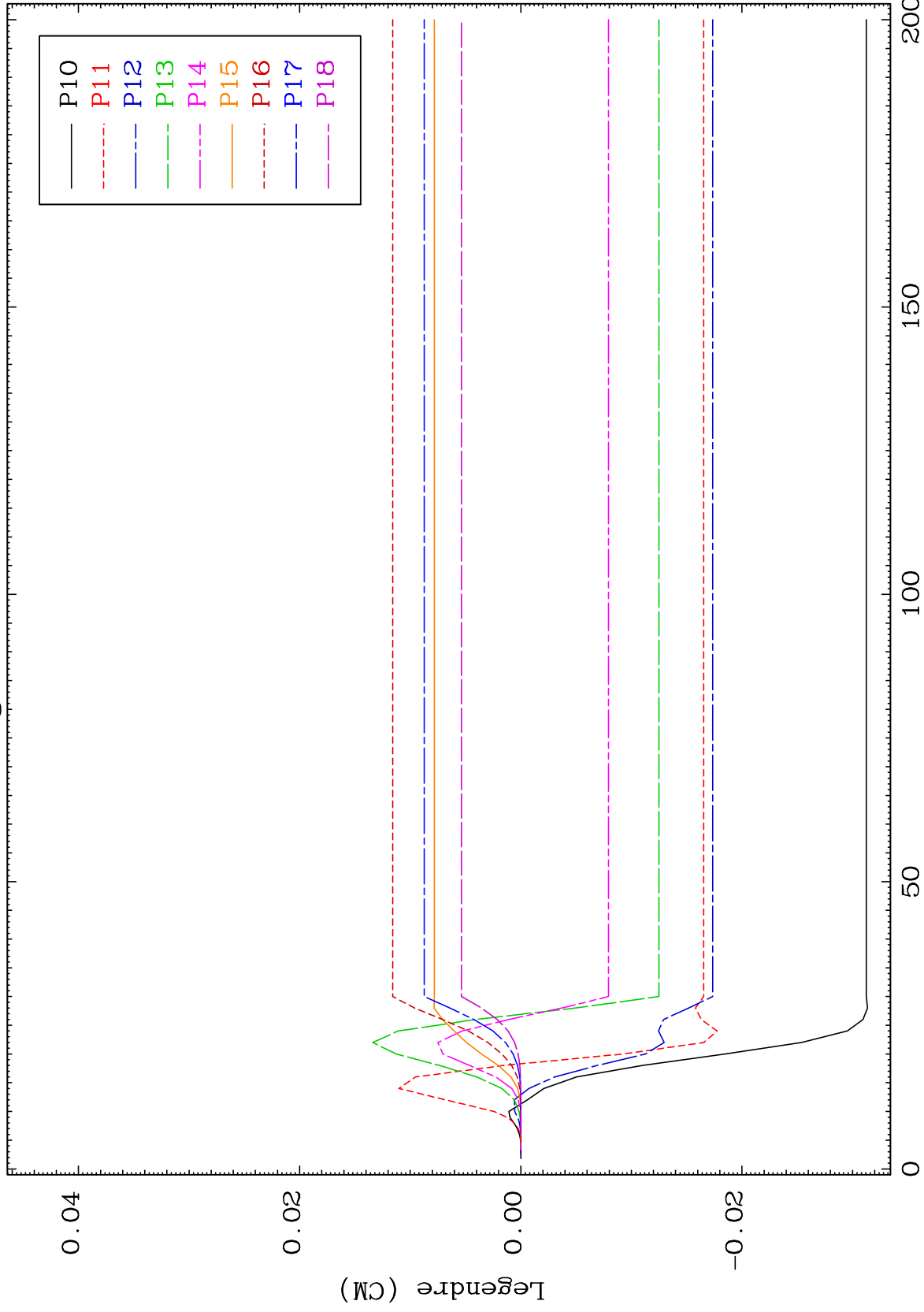




MAT 3919

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

39-Y -87



36

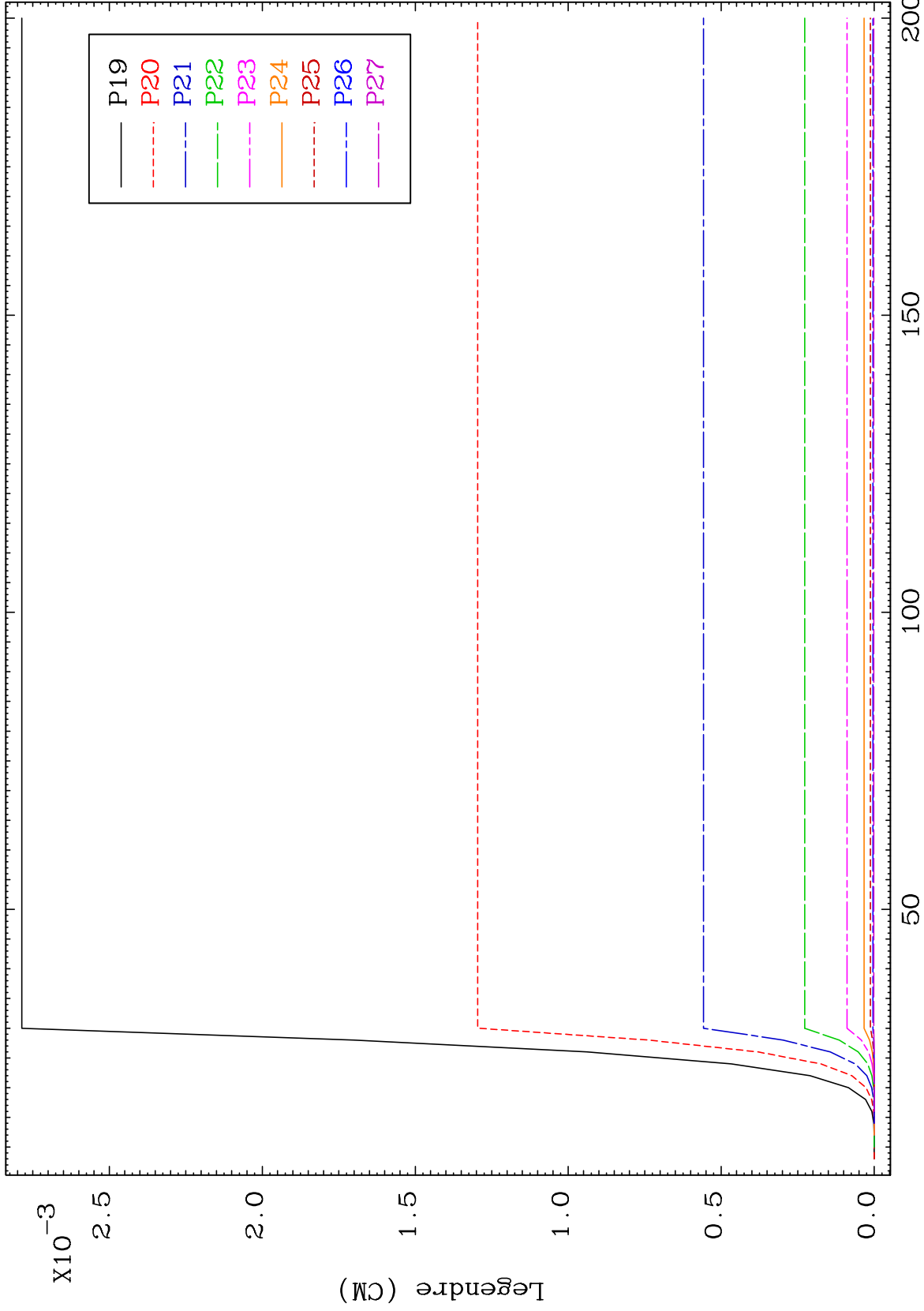
Incident Energy (MeV)

39-Y -87

MAT 3919

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

39-Y -87



37

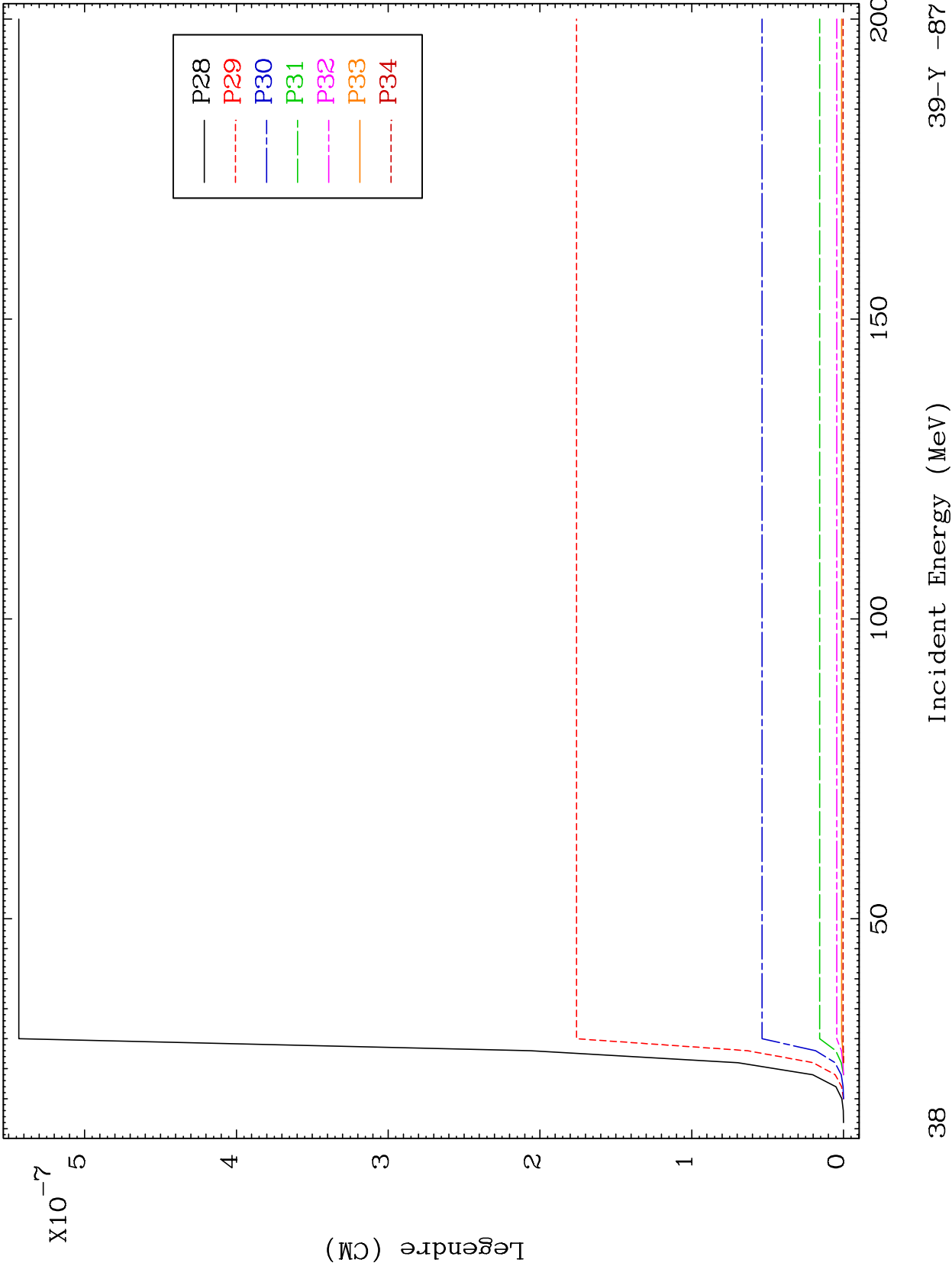
Incident Energy (MeV)

39-Y -87

MAT 3919

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

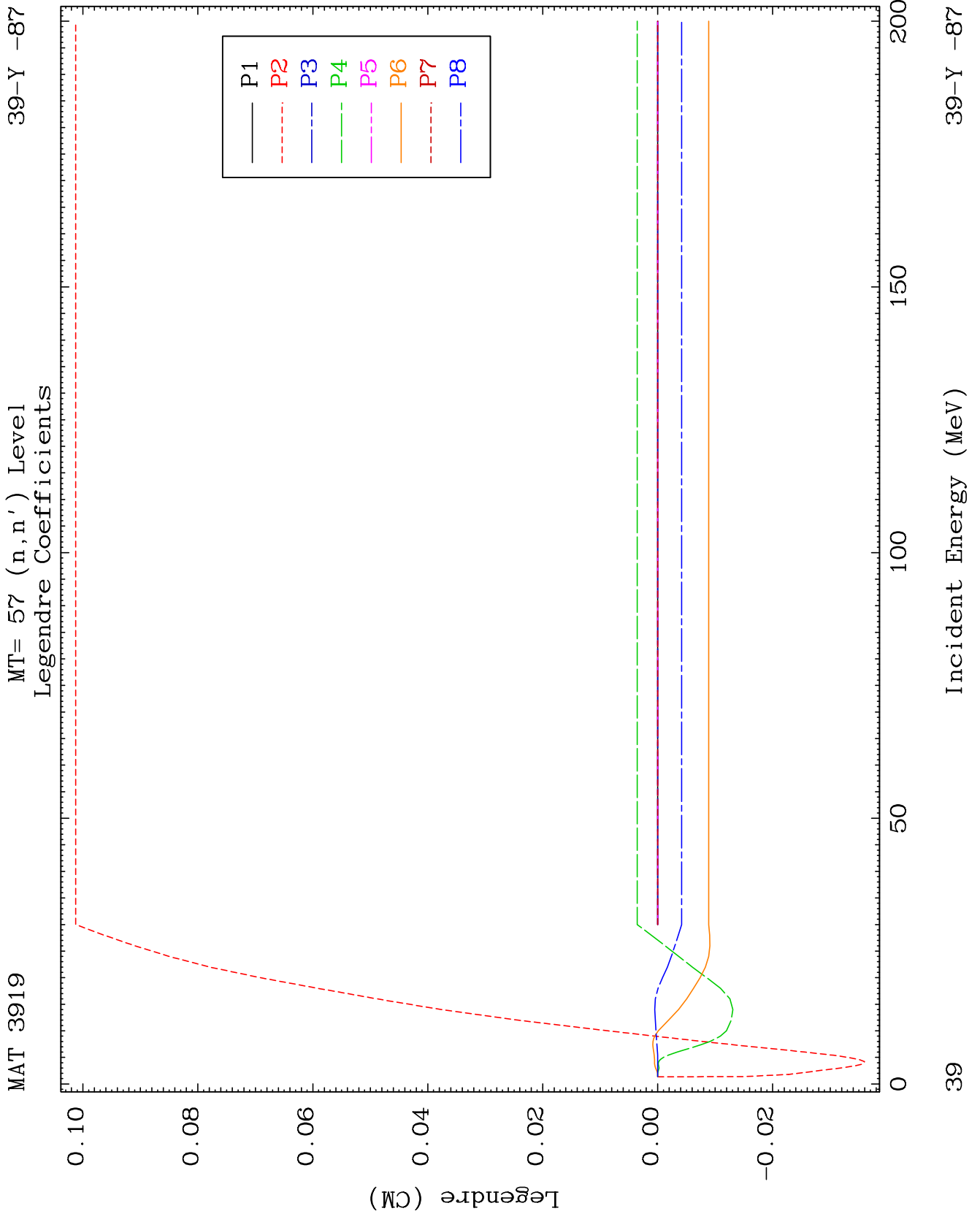
39-Y -87

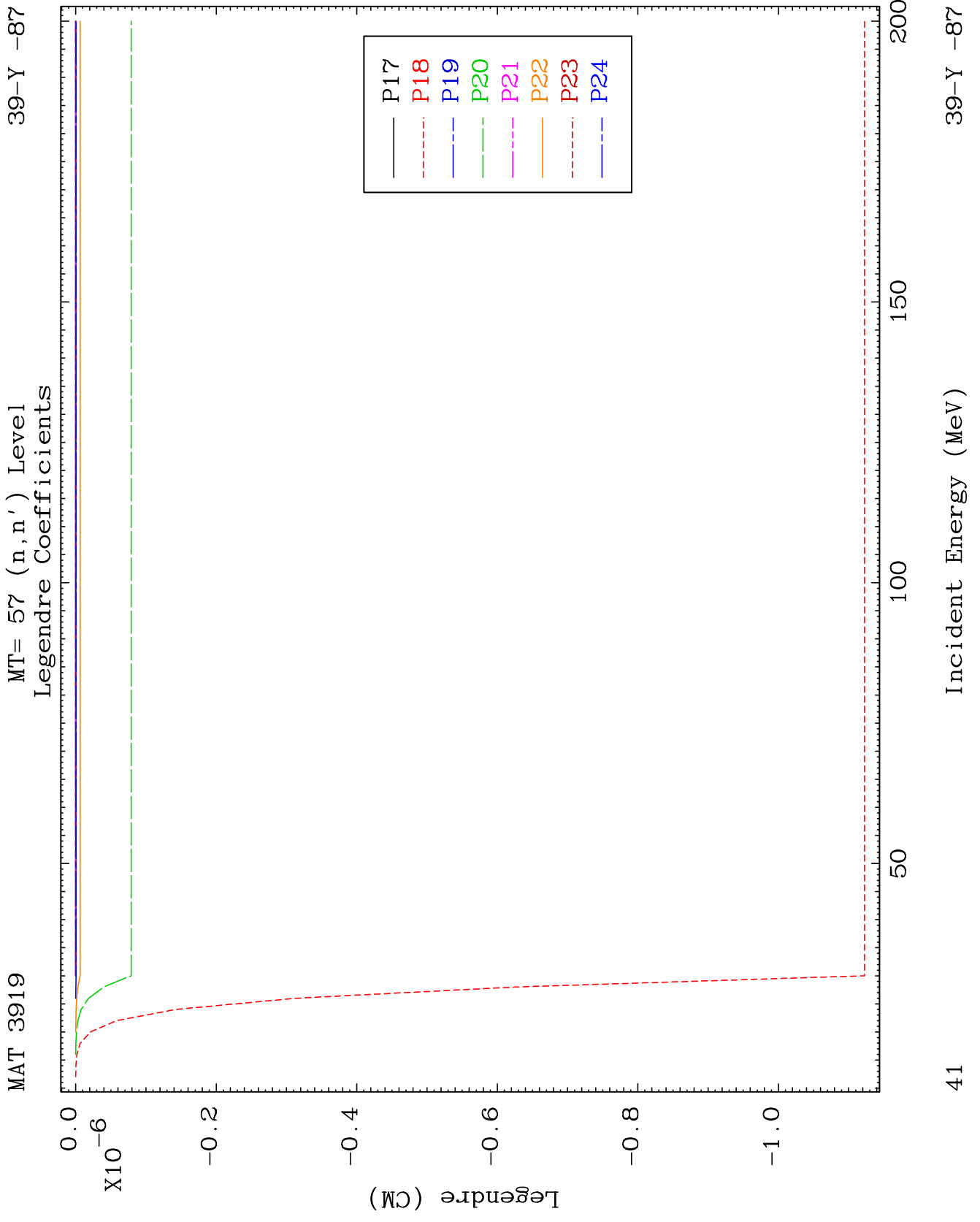


38

Incident Energy (MeV)

39-Y -87

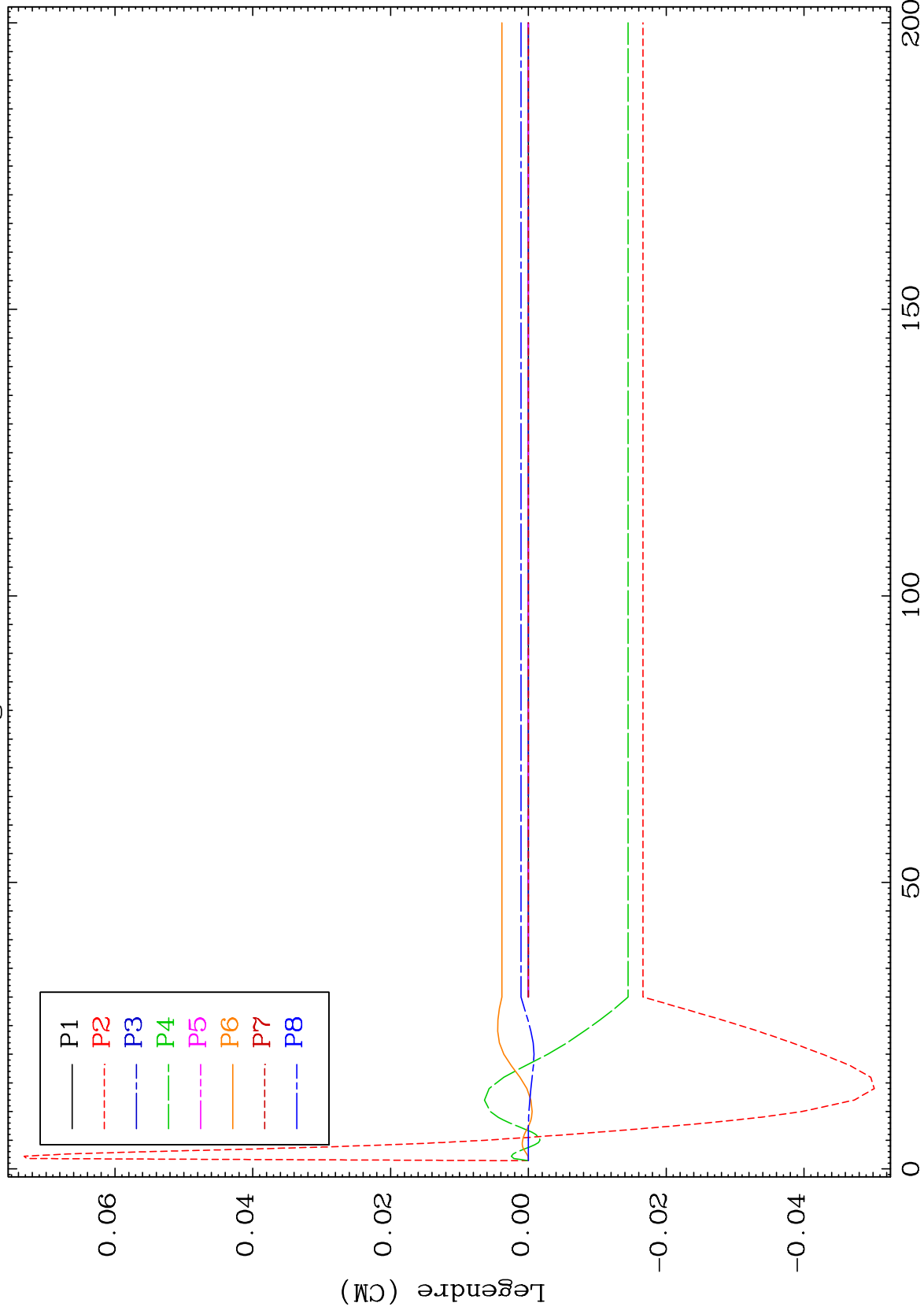




MAT 3919

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

39-Y -87



42

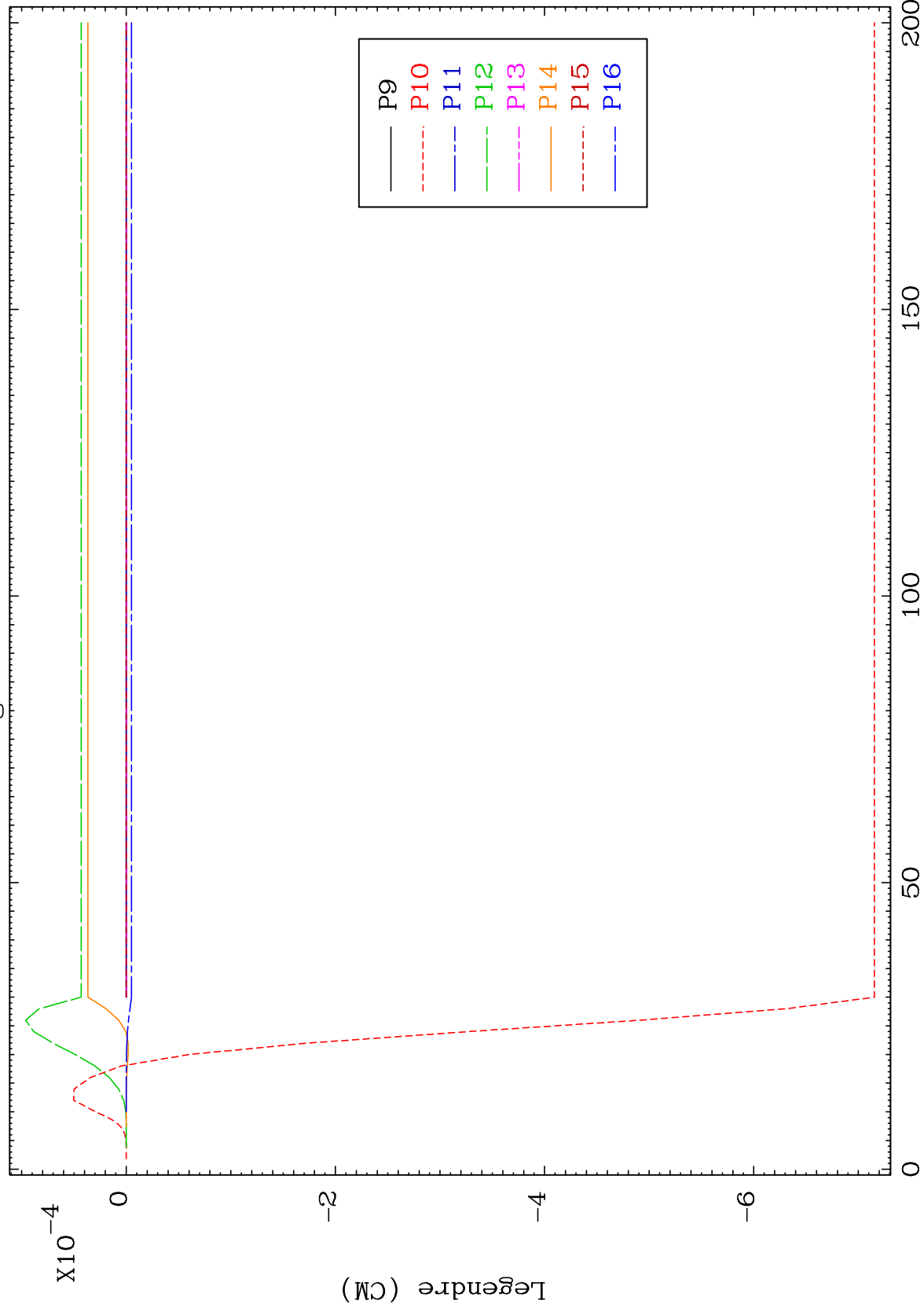
Incident Energy (MeV)

39-Y -87

MAT 3919

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

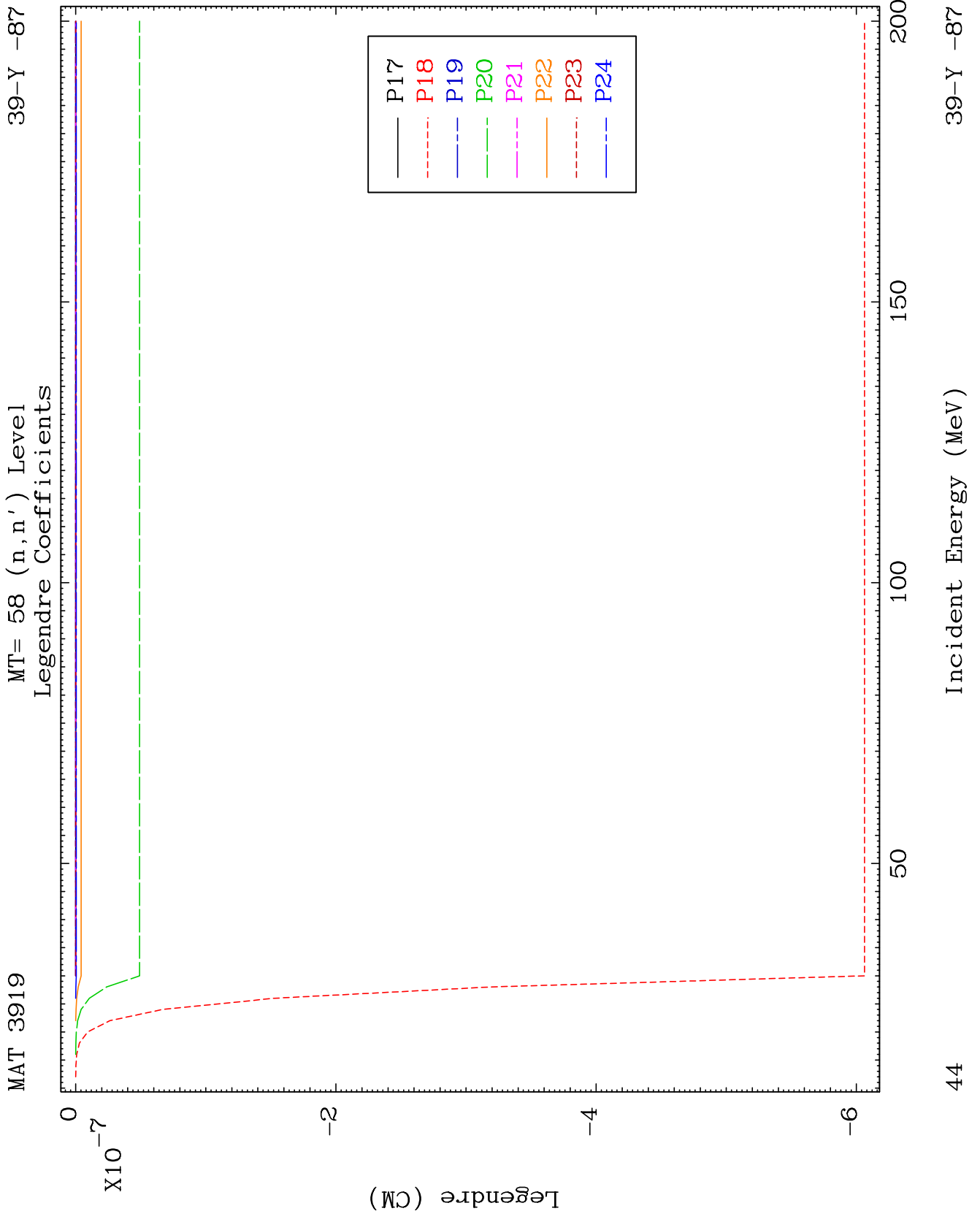
39-Y -87



43

Incident Energy (MeV)

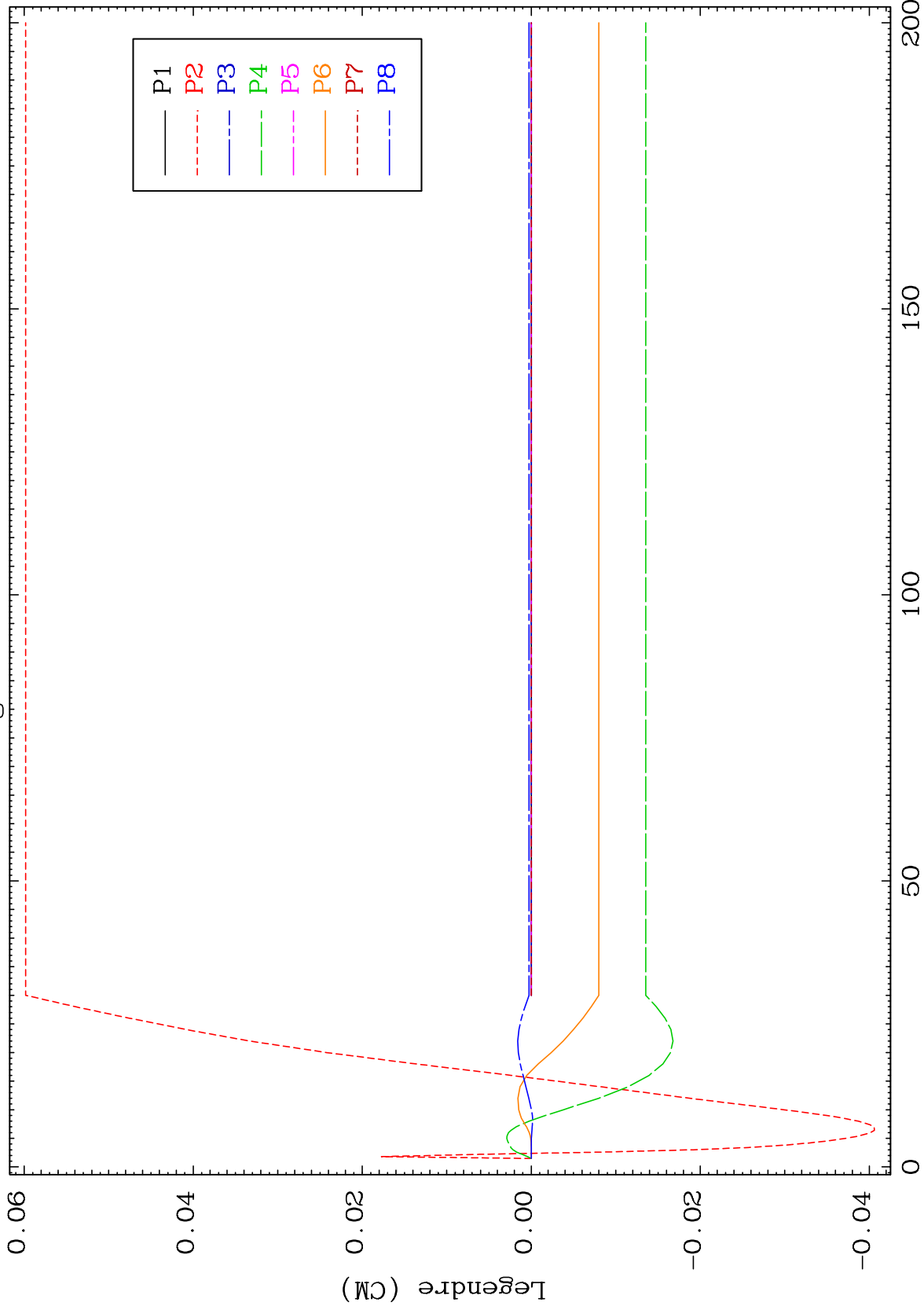
39-Y -87



MAT 3919

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

39-Y -87



Incident Energy (MeV)

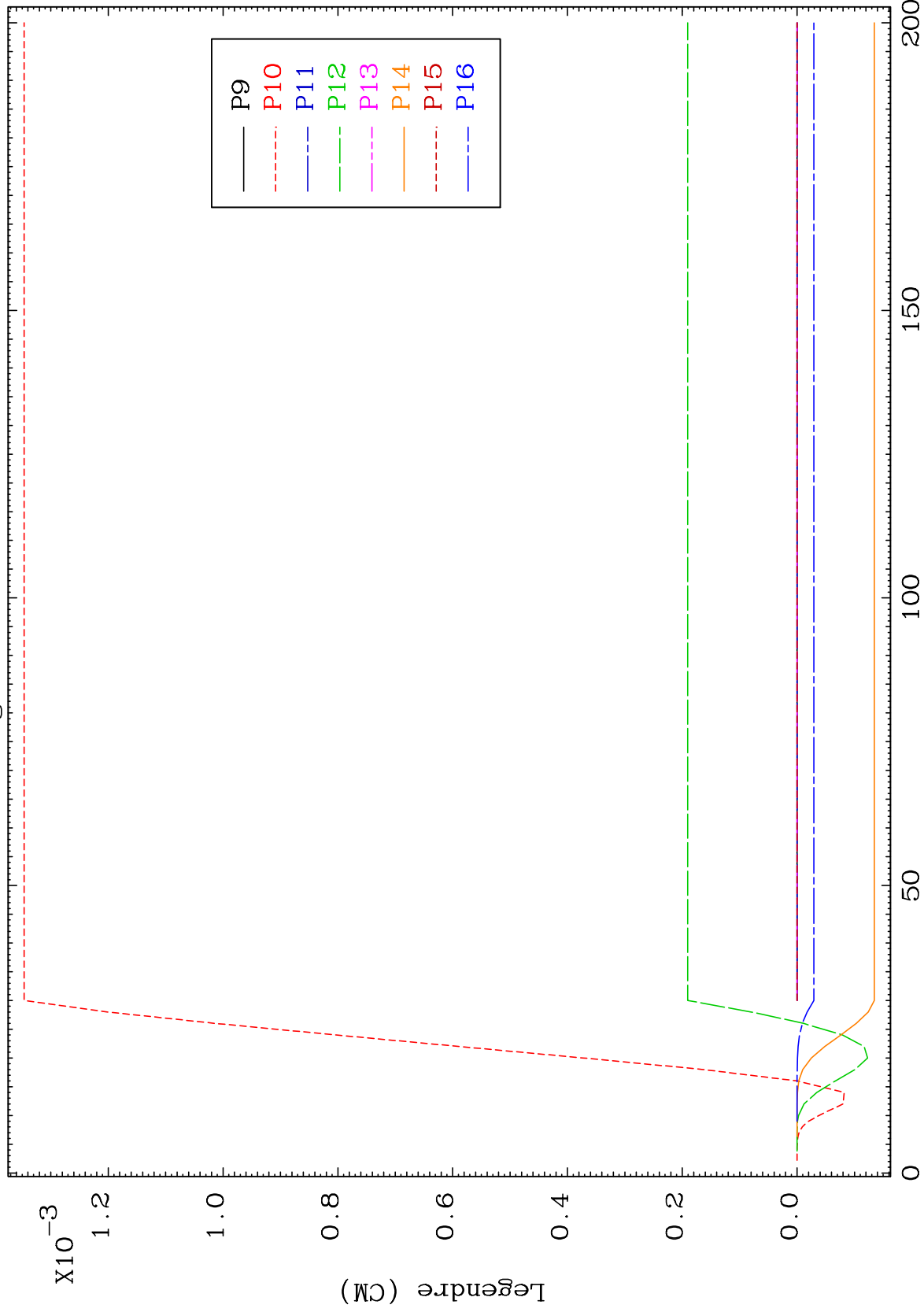
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45

MAT 3919

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

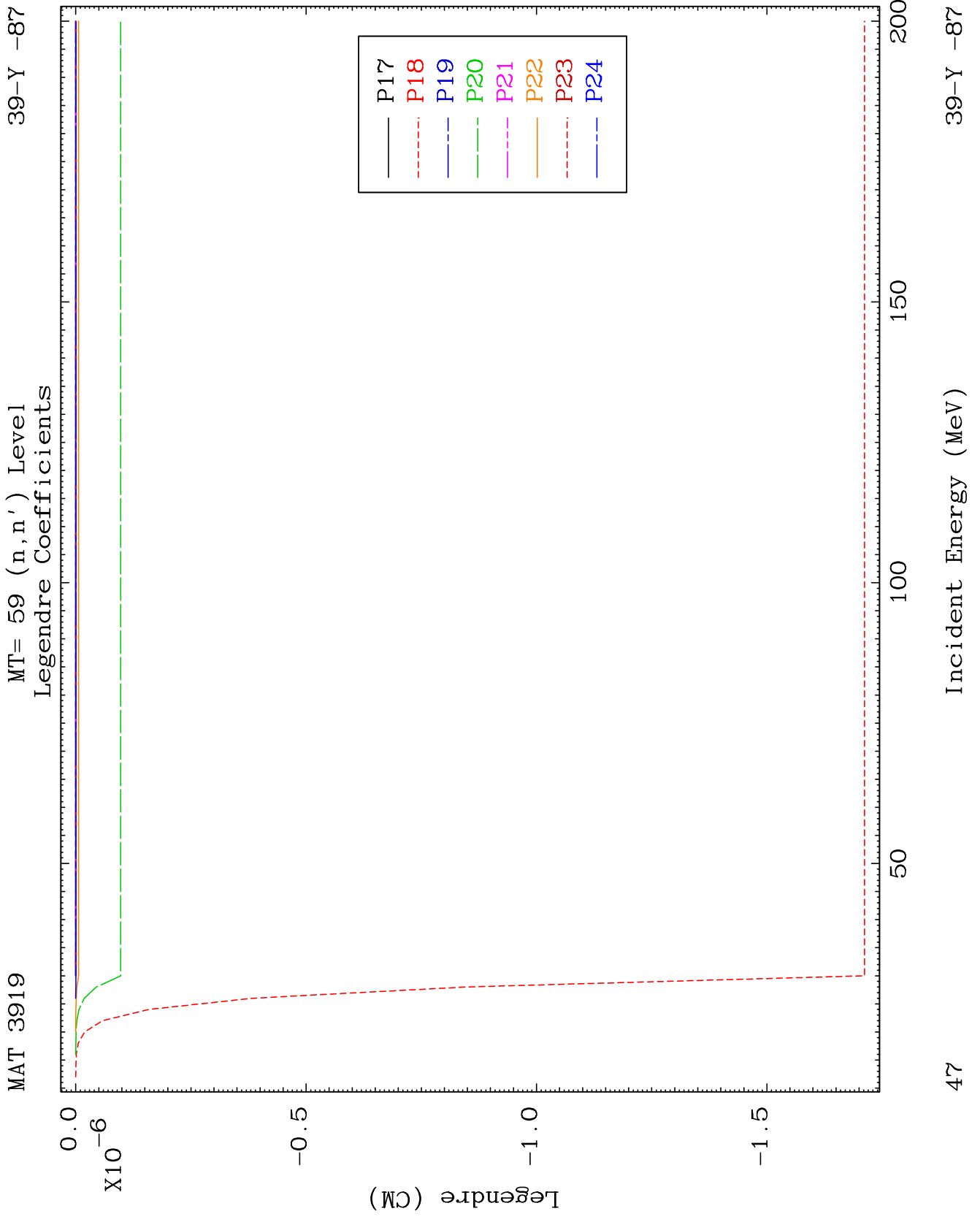
39-Y -87



46

Incident Energy (MeV)

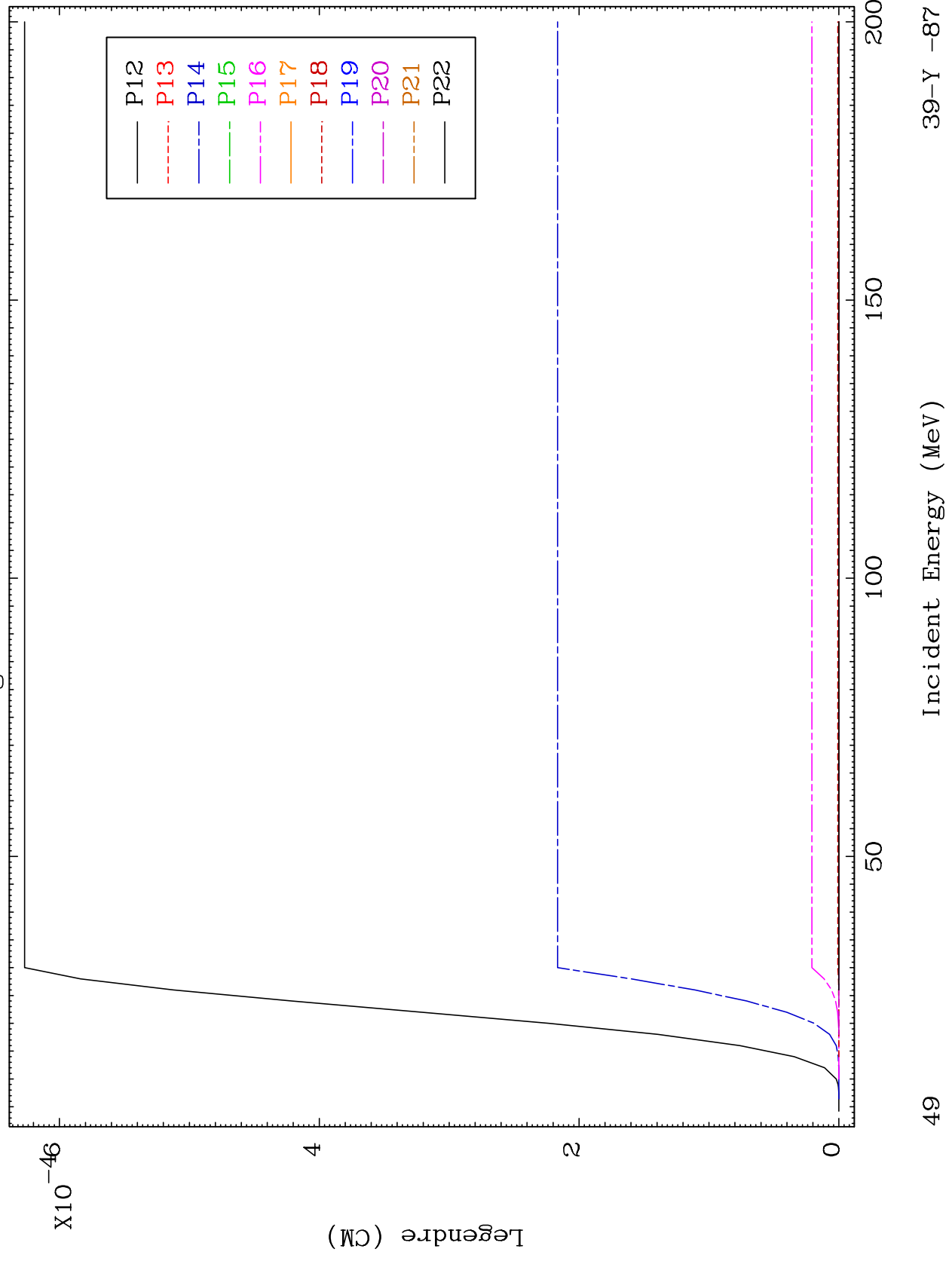
39-Y -87



MAT 3919

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

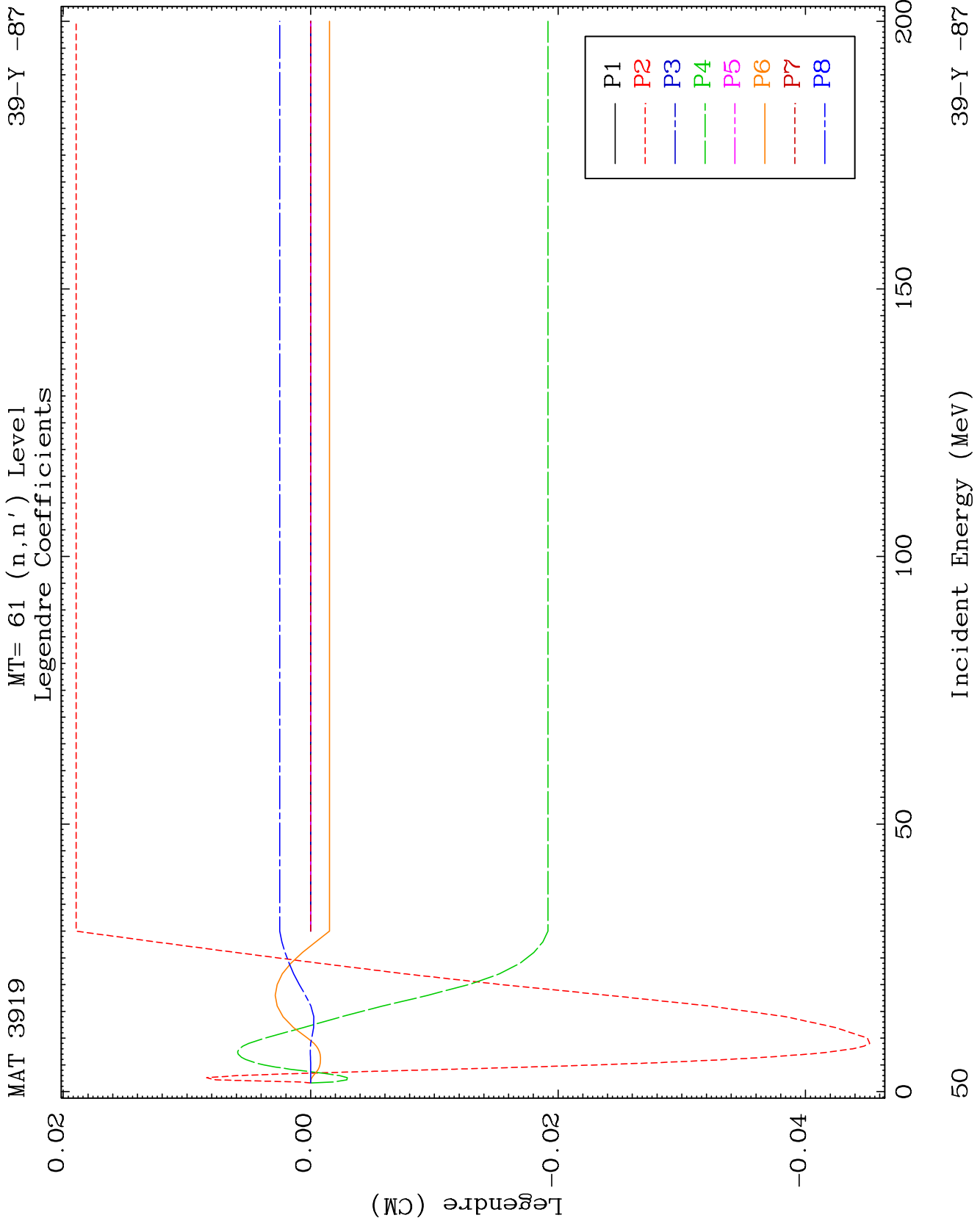
39-Y -87



49

Incident Energy (MeV)

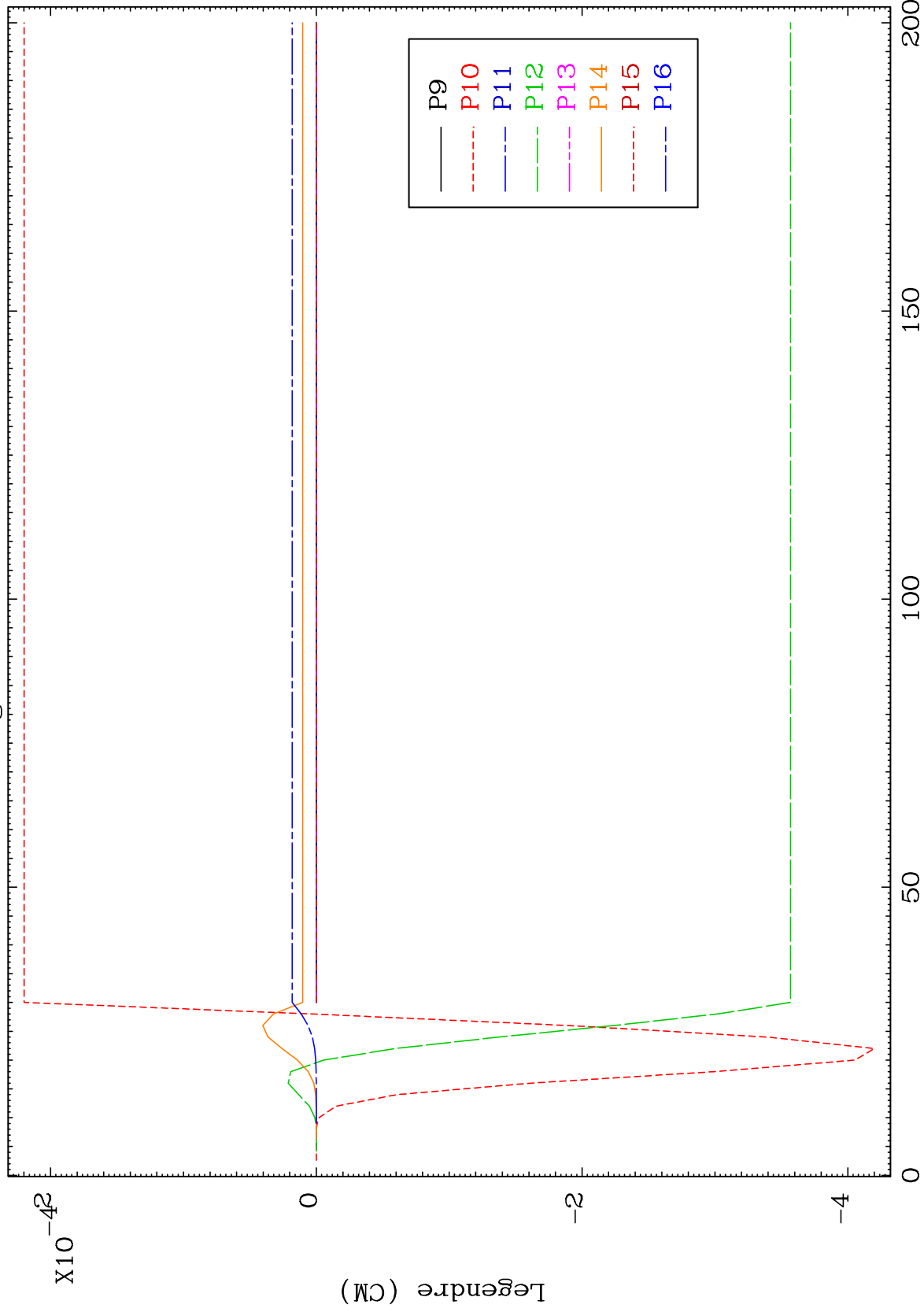
39-Y -87



MAT 3919

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

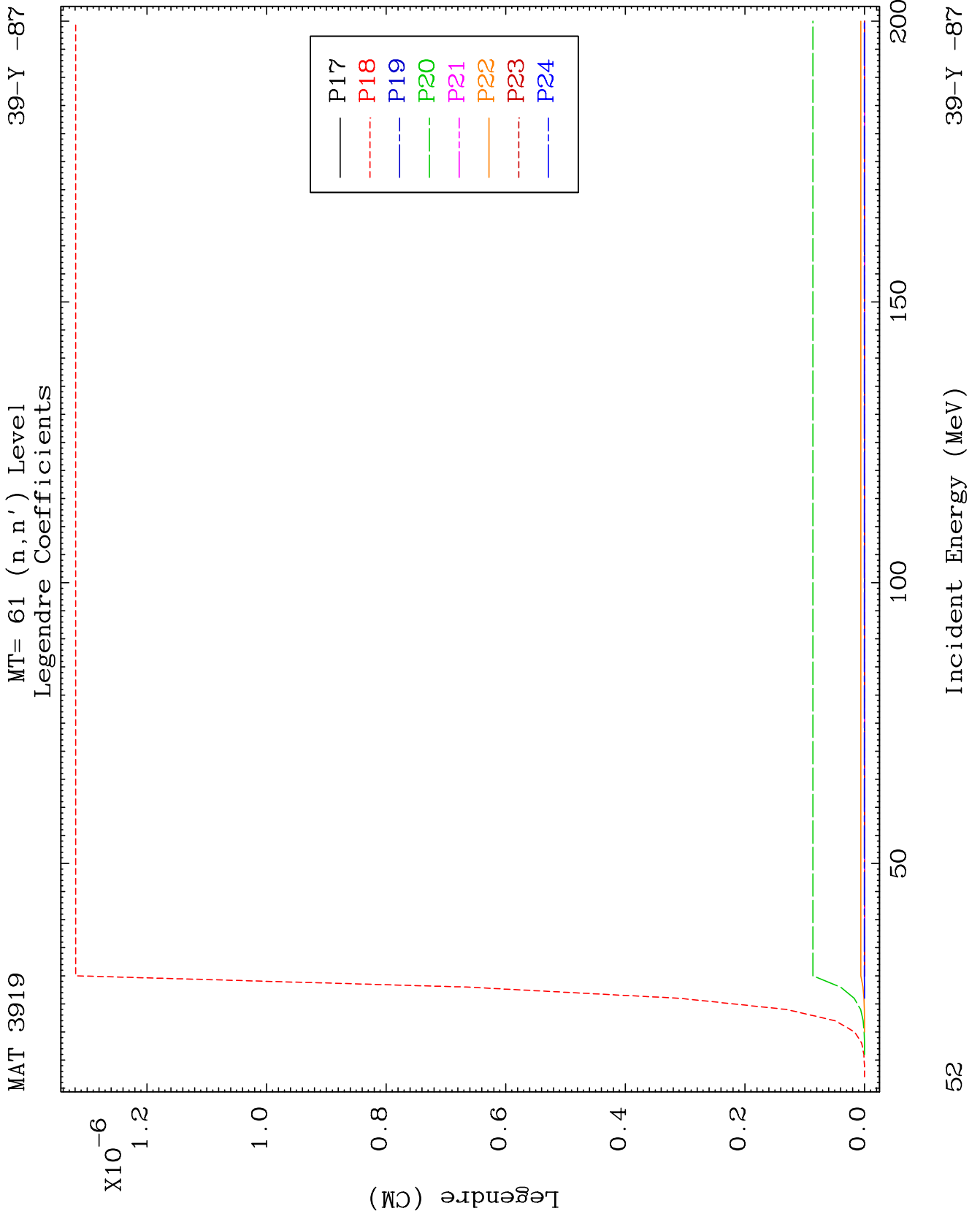
39-Y -87



51

Incident Energy (MeV)

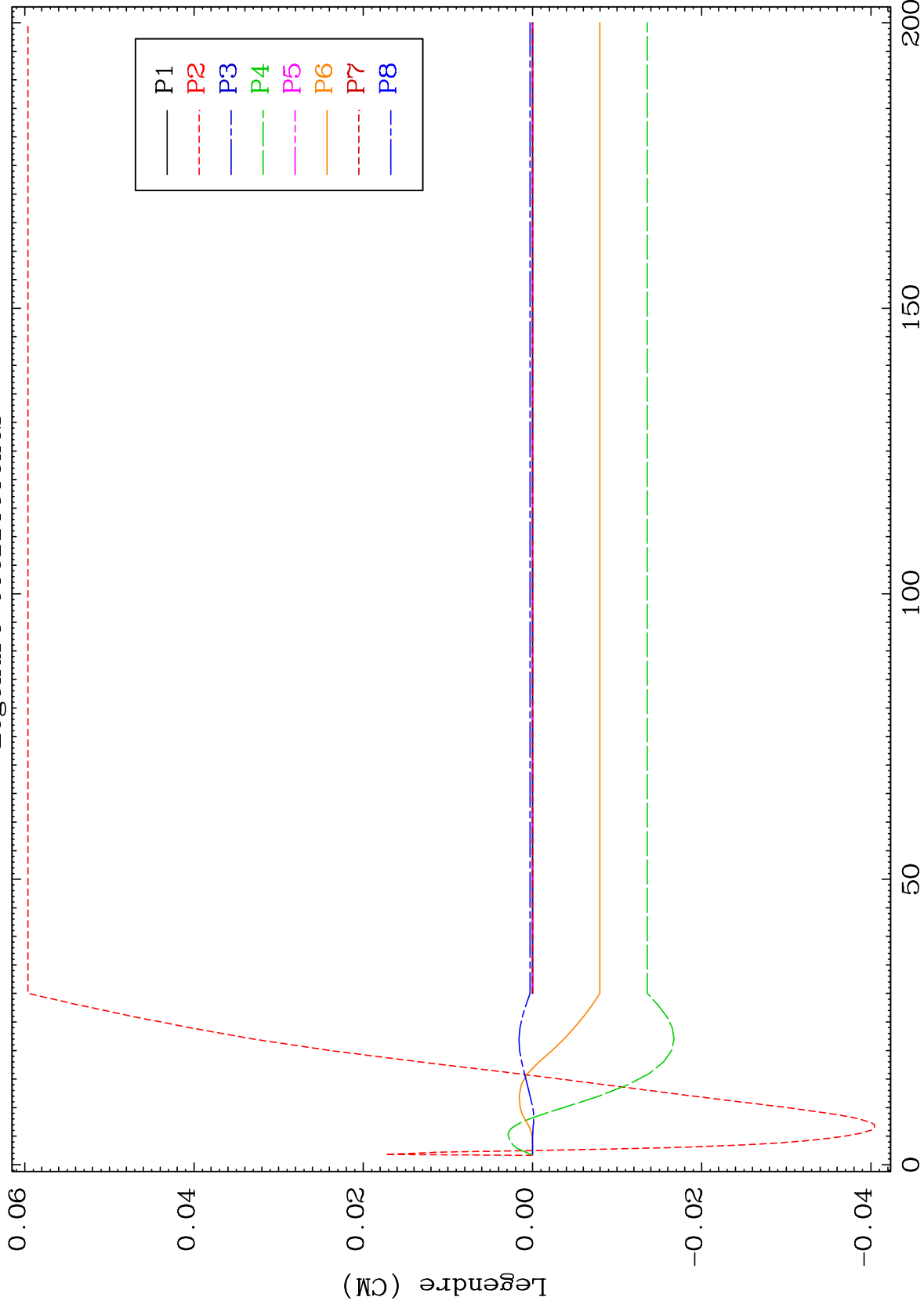
39-Y -87



MAT 3919

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

39-Y -87



53

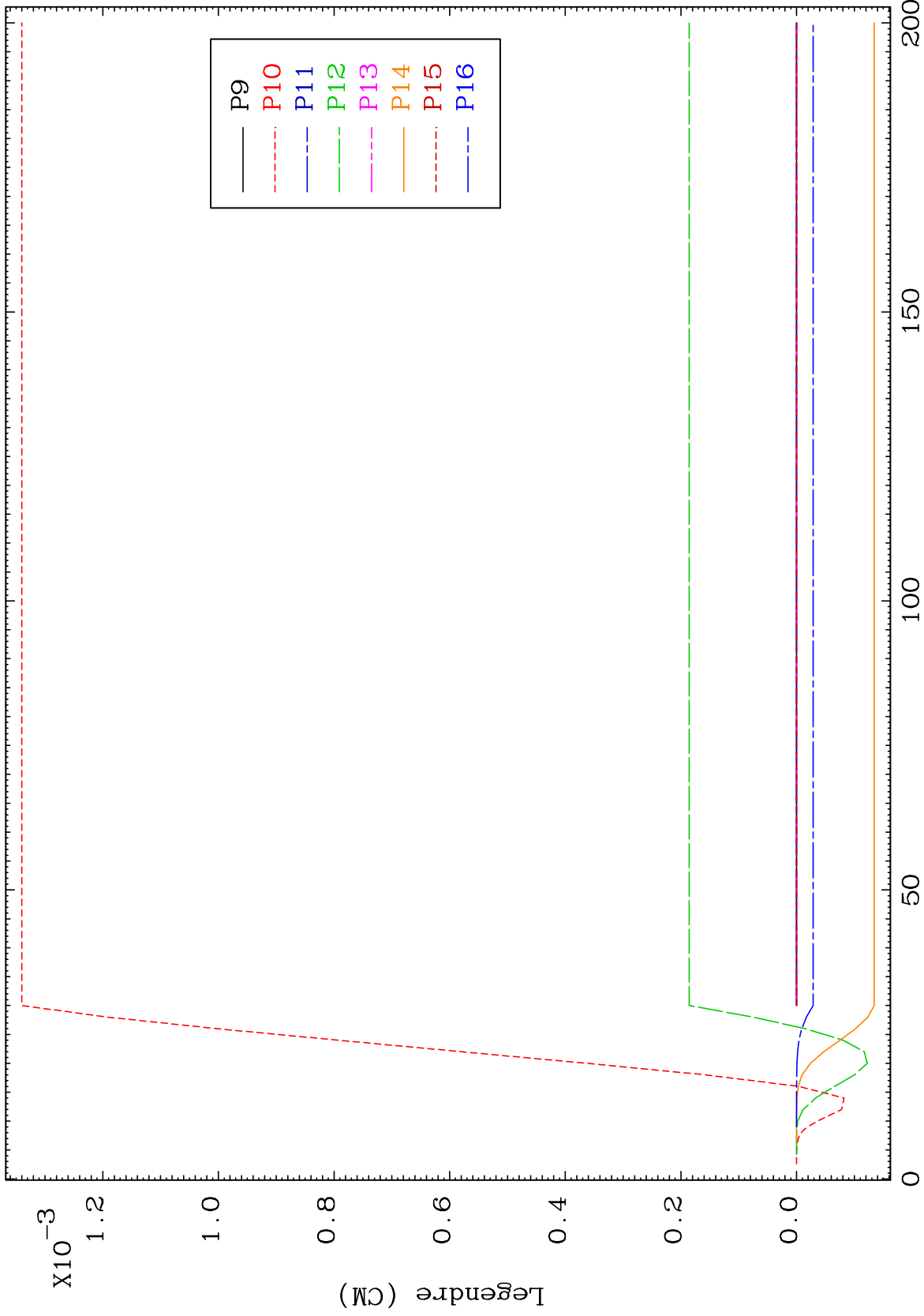
Incident Energy (MeV)

39-Y -87

MAT 3919

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

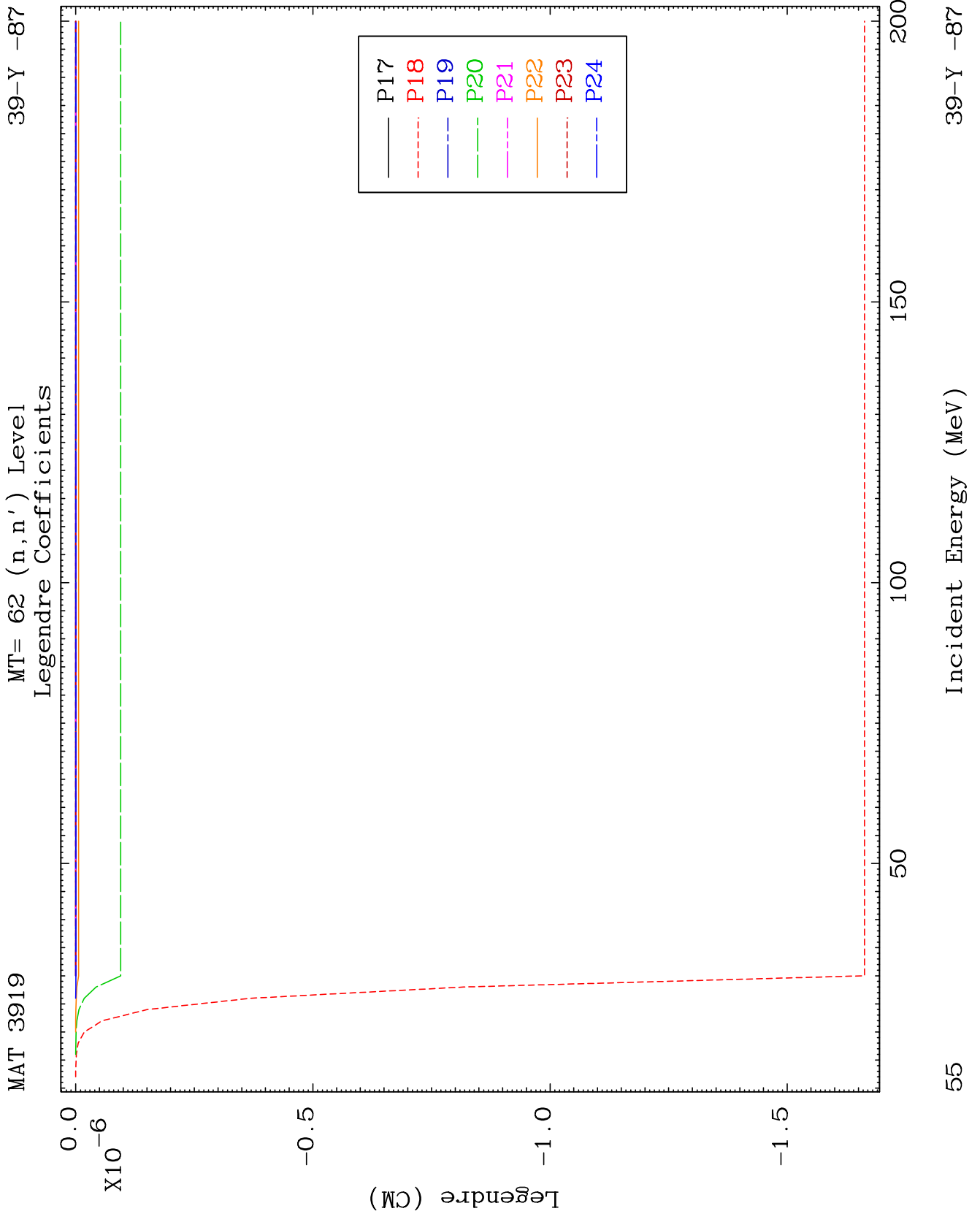
39-Y -87



54

Incident Energy (MeV)

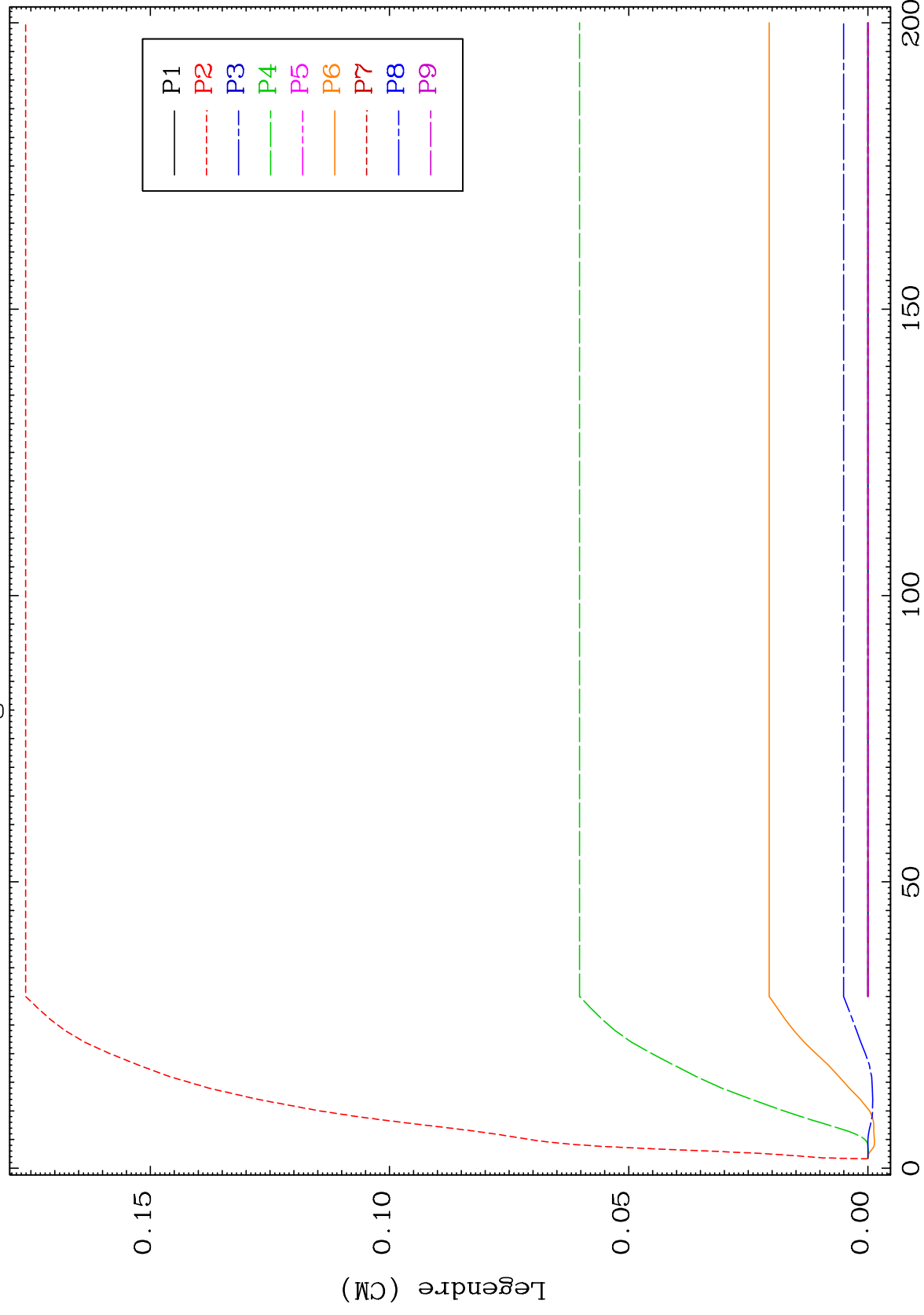
39-Y -87



MAT 3919

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

39-Y -87



39-Y -87

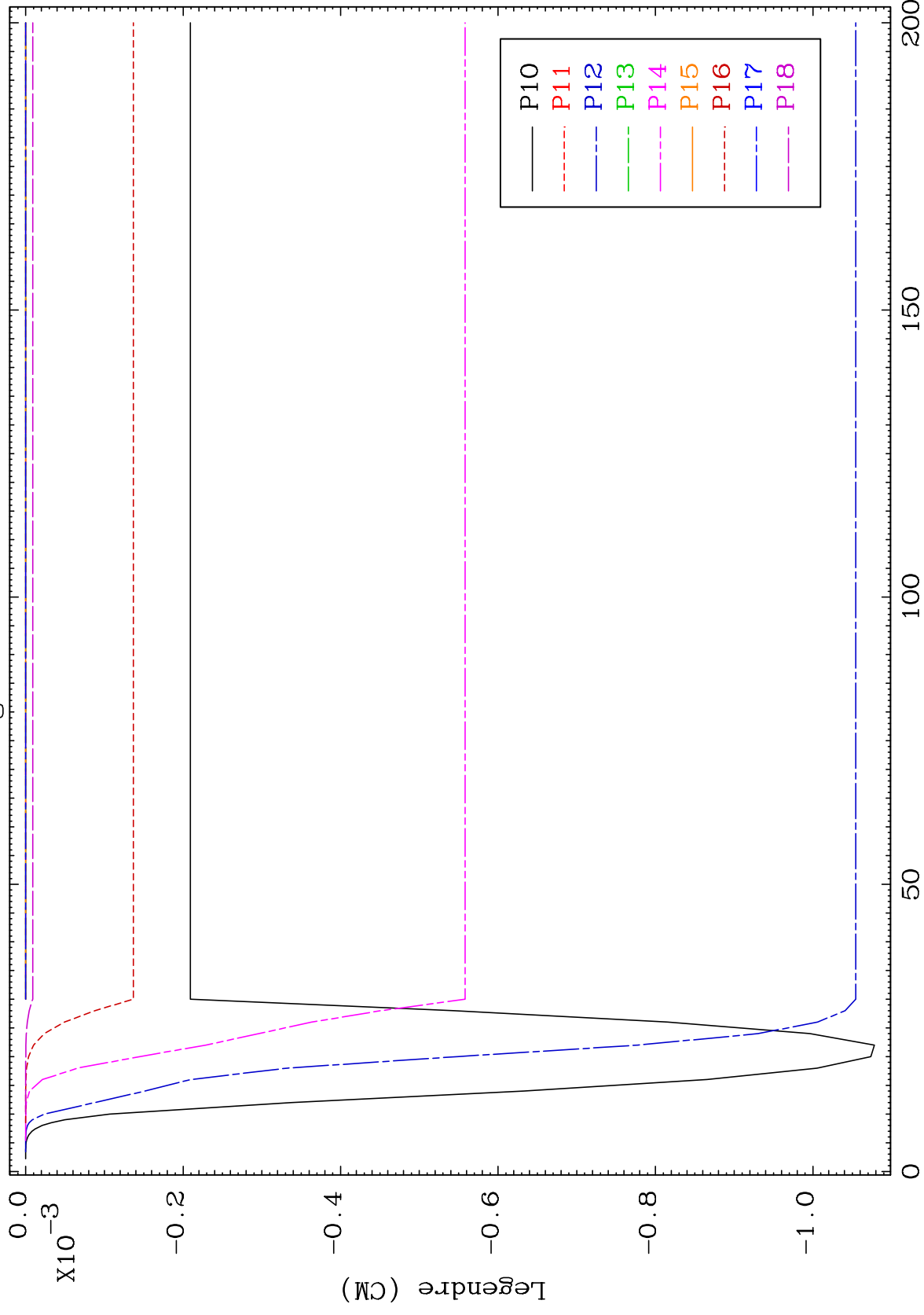
Incident Energy (MeV)

56

MAT 3919

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

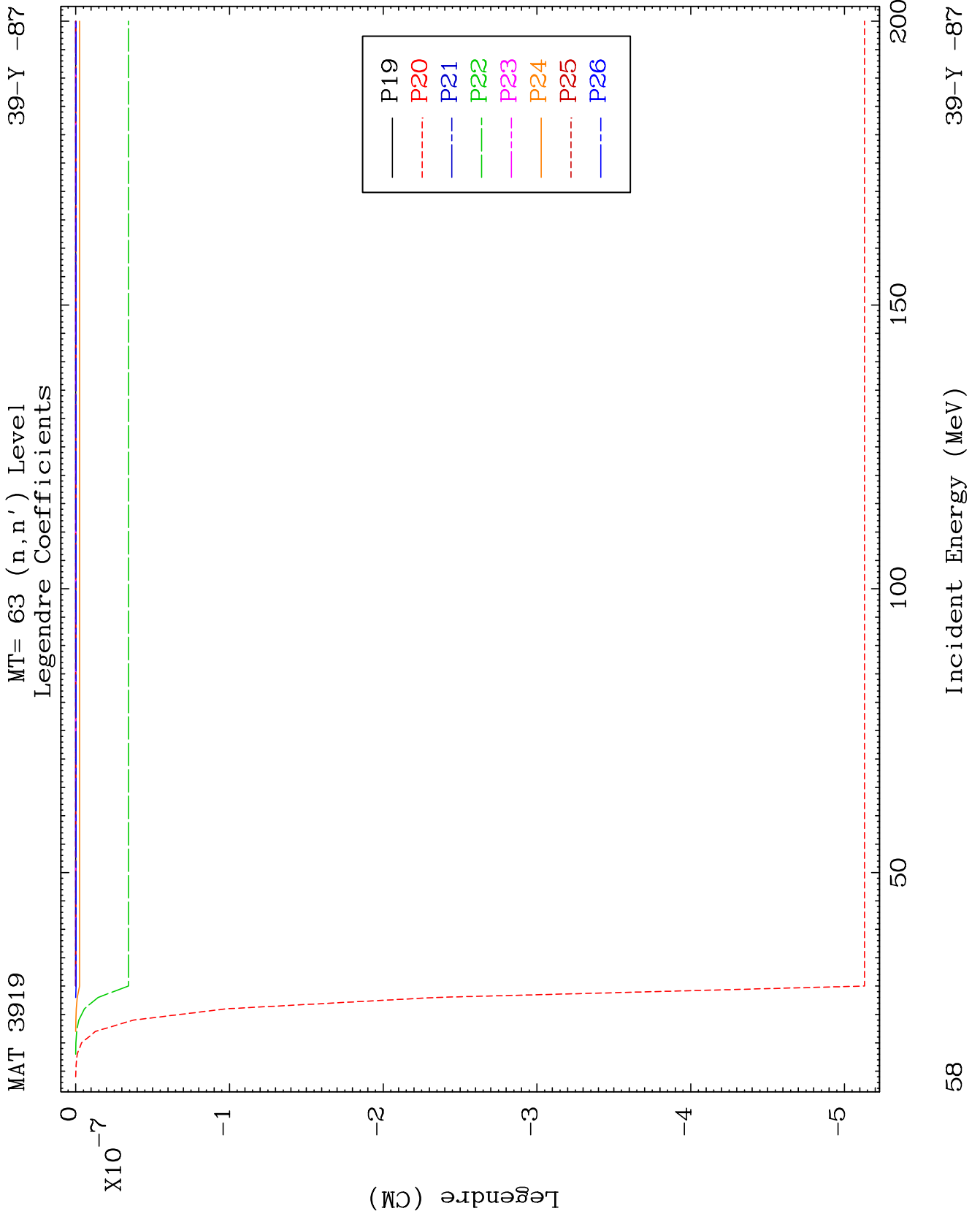
39-Y -87

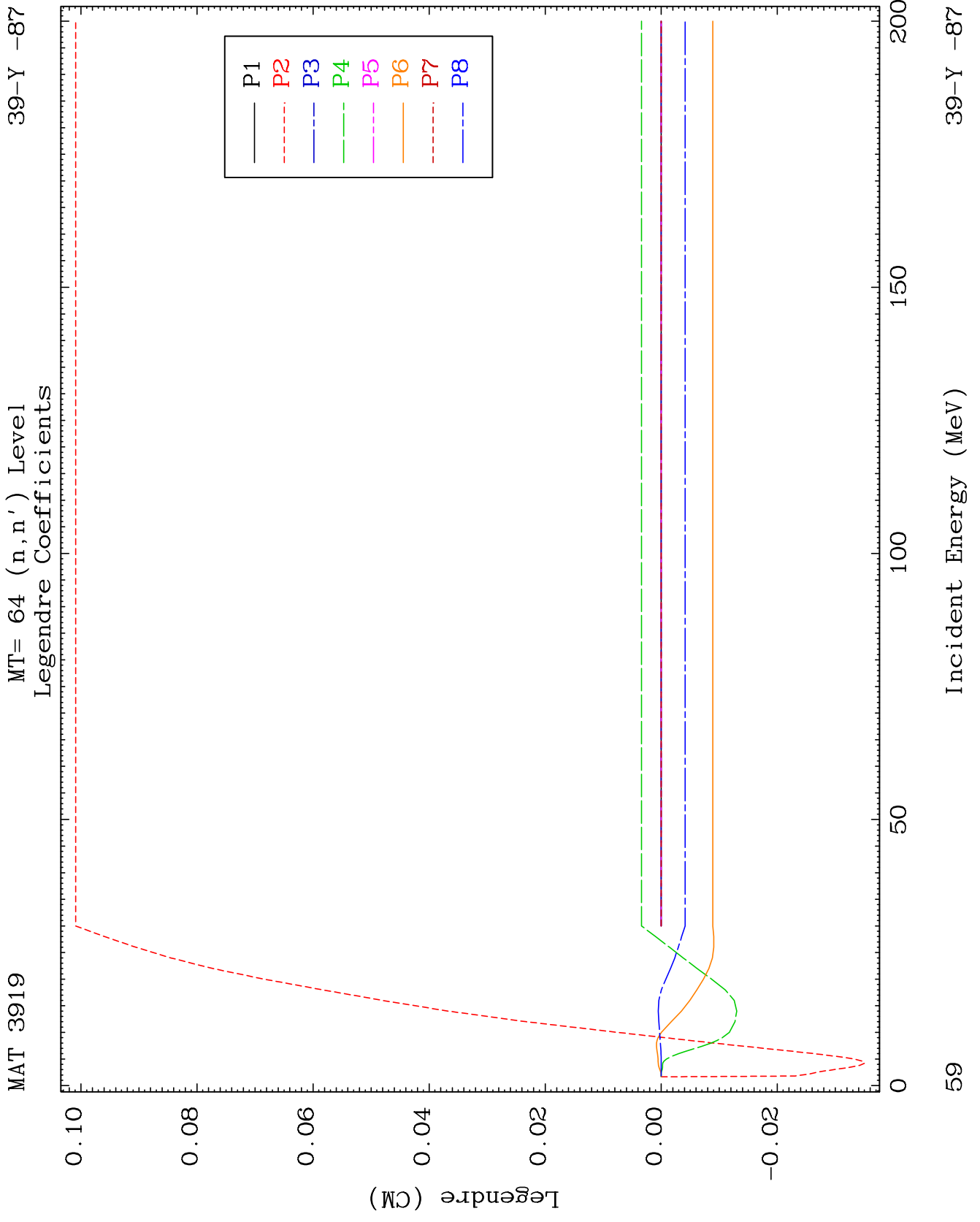


57

Incident Energy (MeV)

39-Y -87

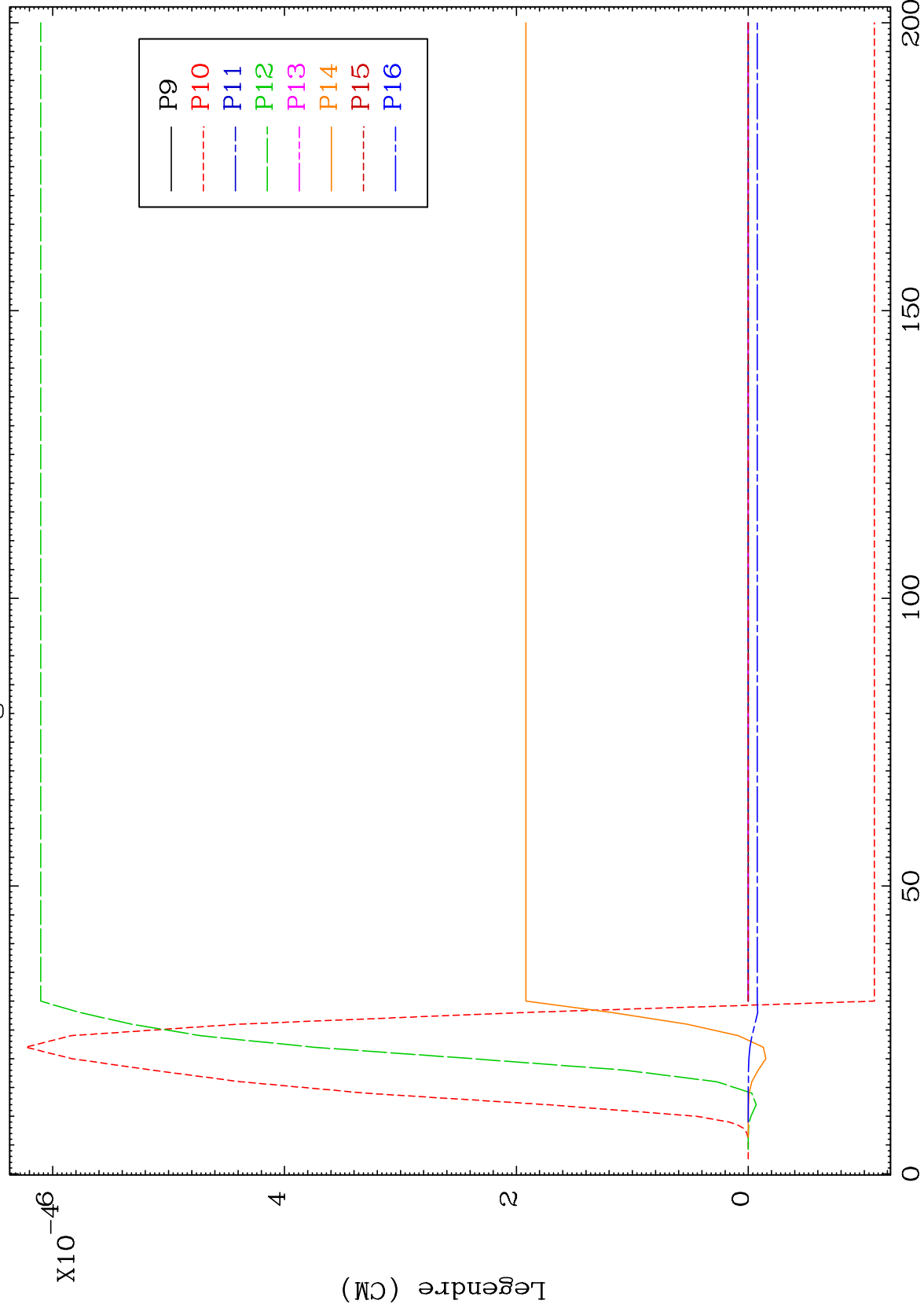




MAT 3919

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

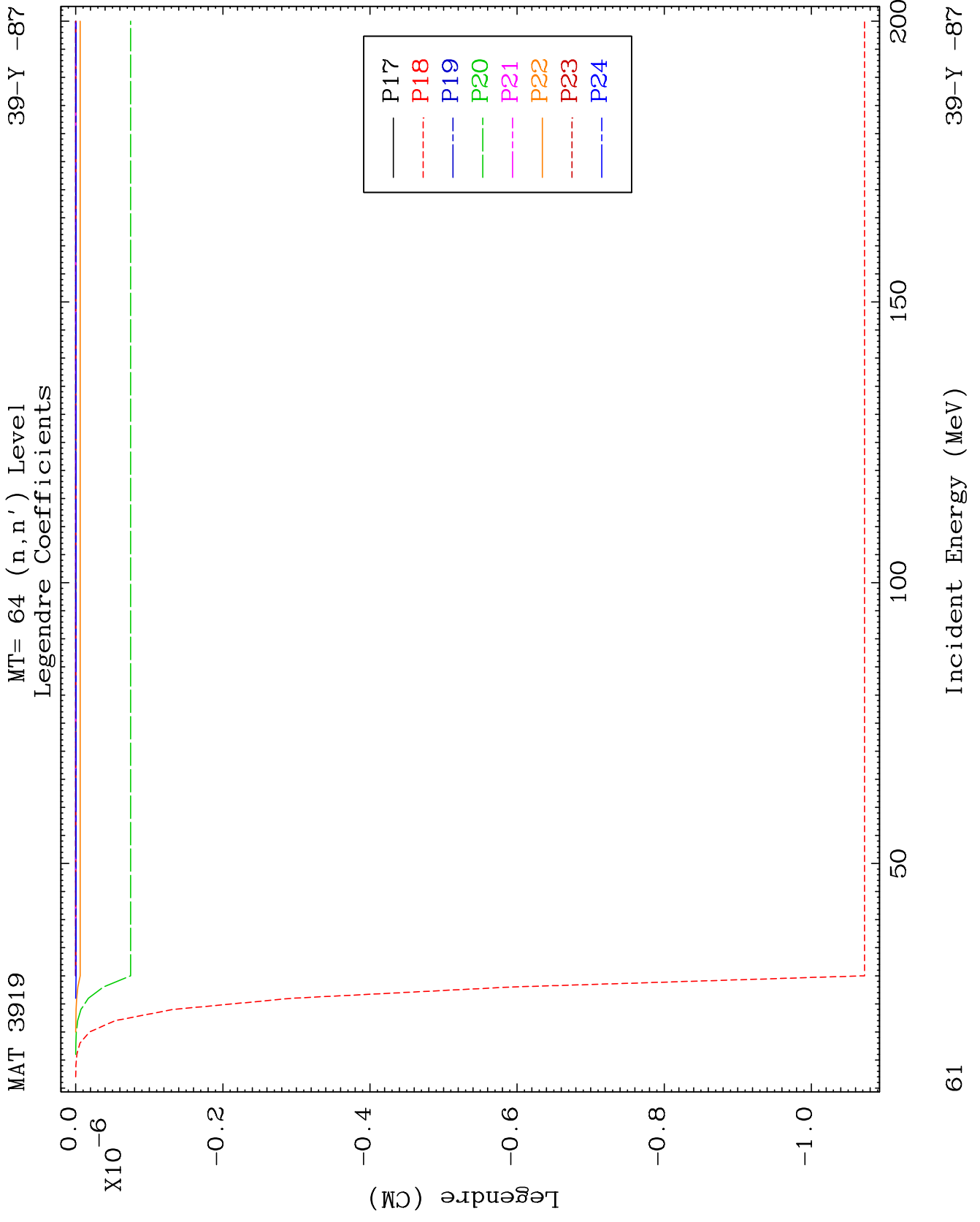
39-Y -87



60

Incident Energy (MeV)

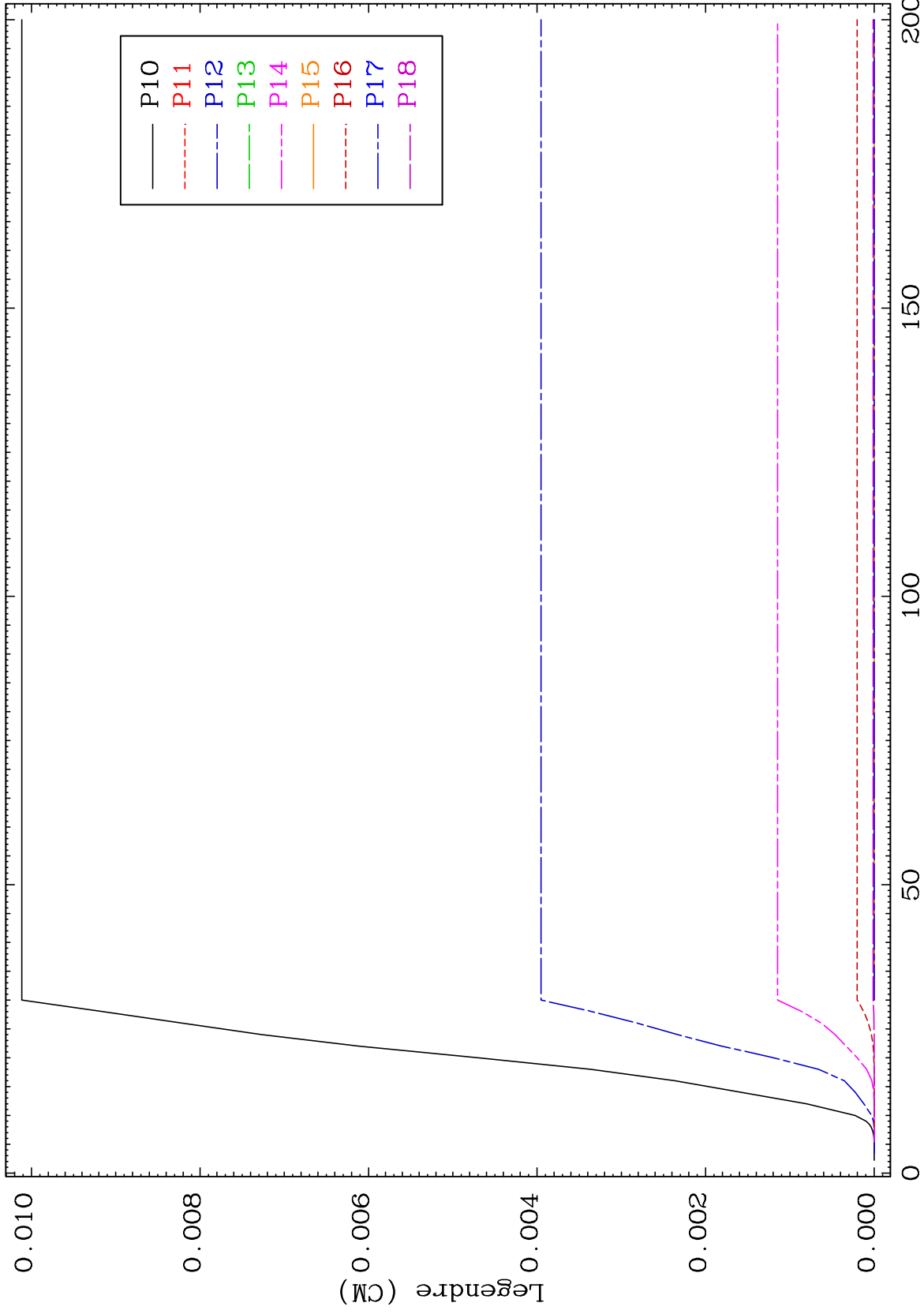
39-Y -87



MAT 3919

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

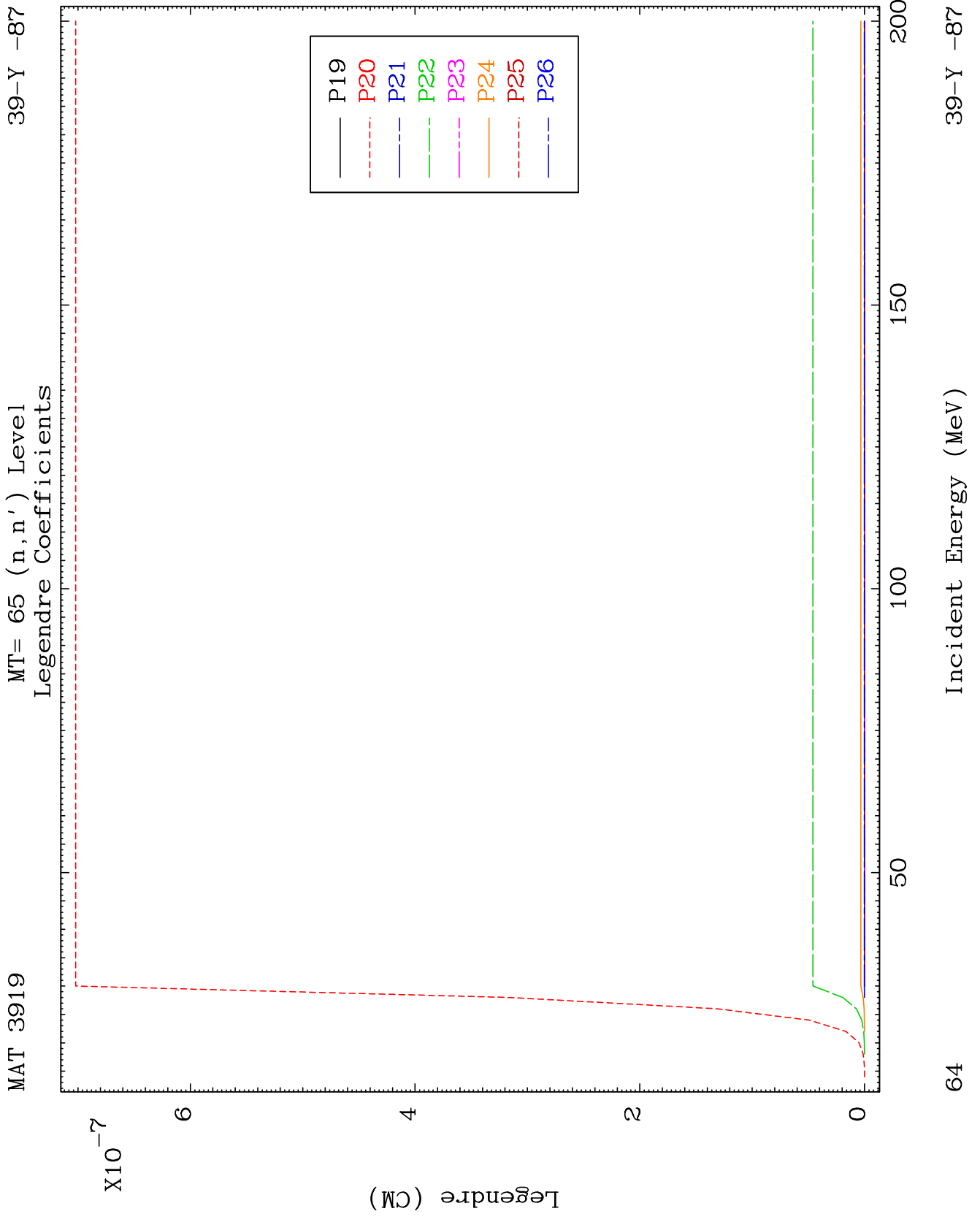
39-Y -87

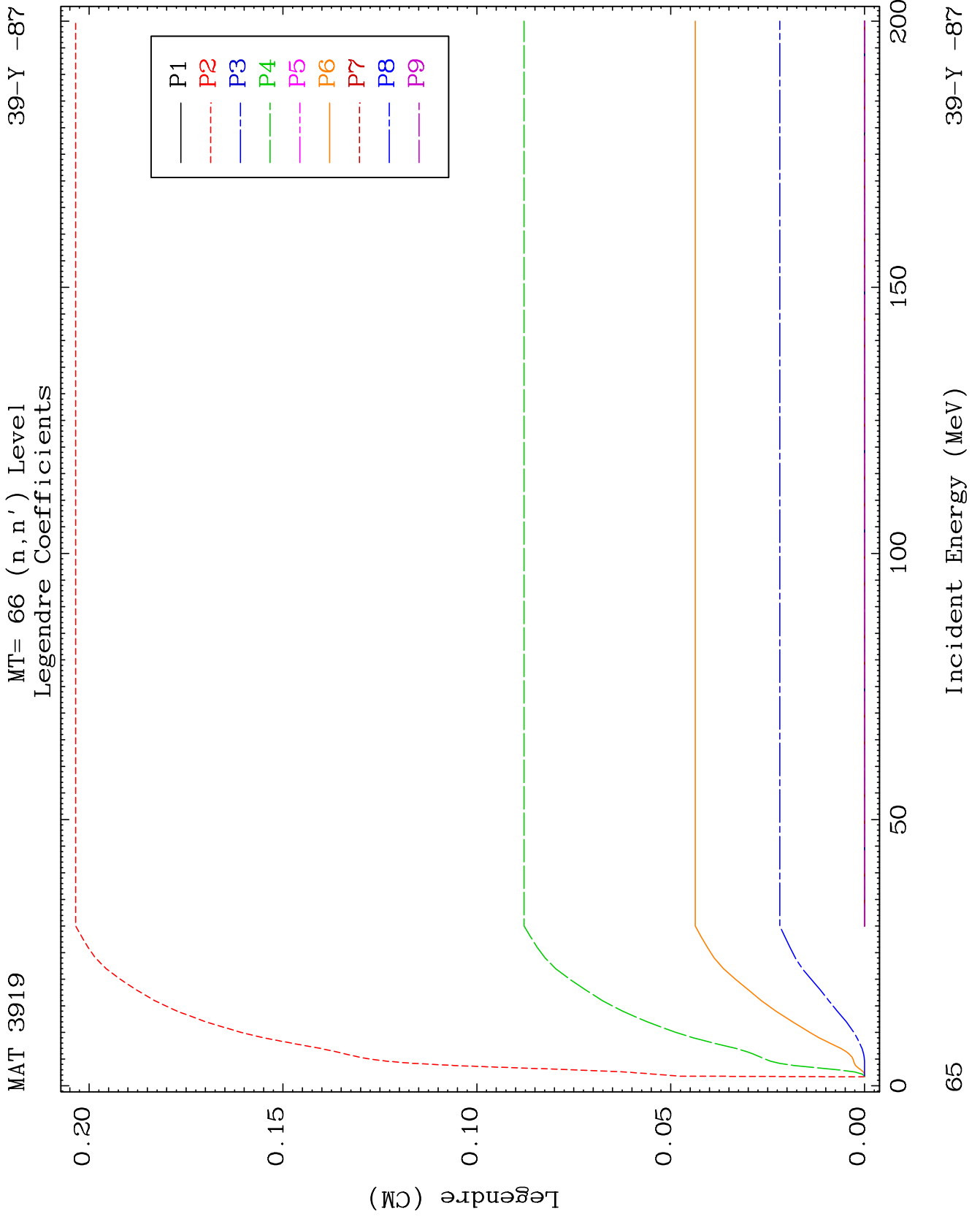


63

Incident Energy (MeV)

39-Y -87

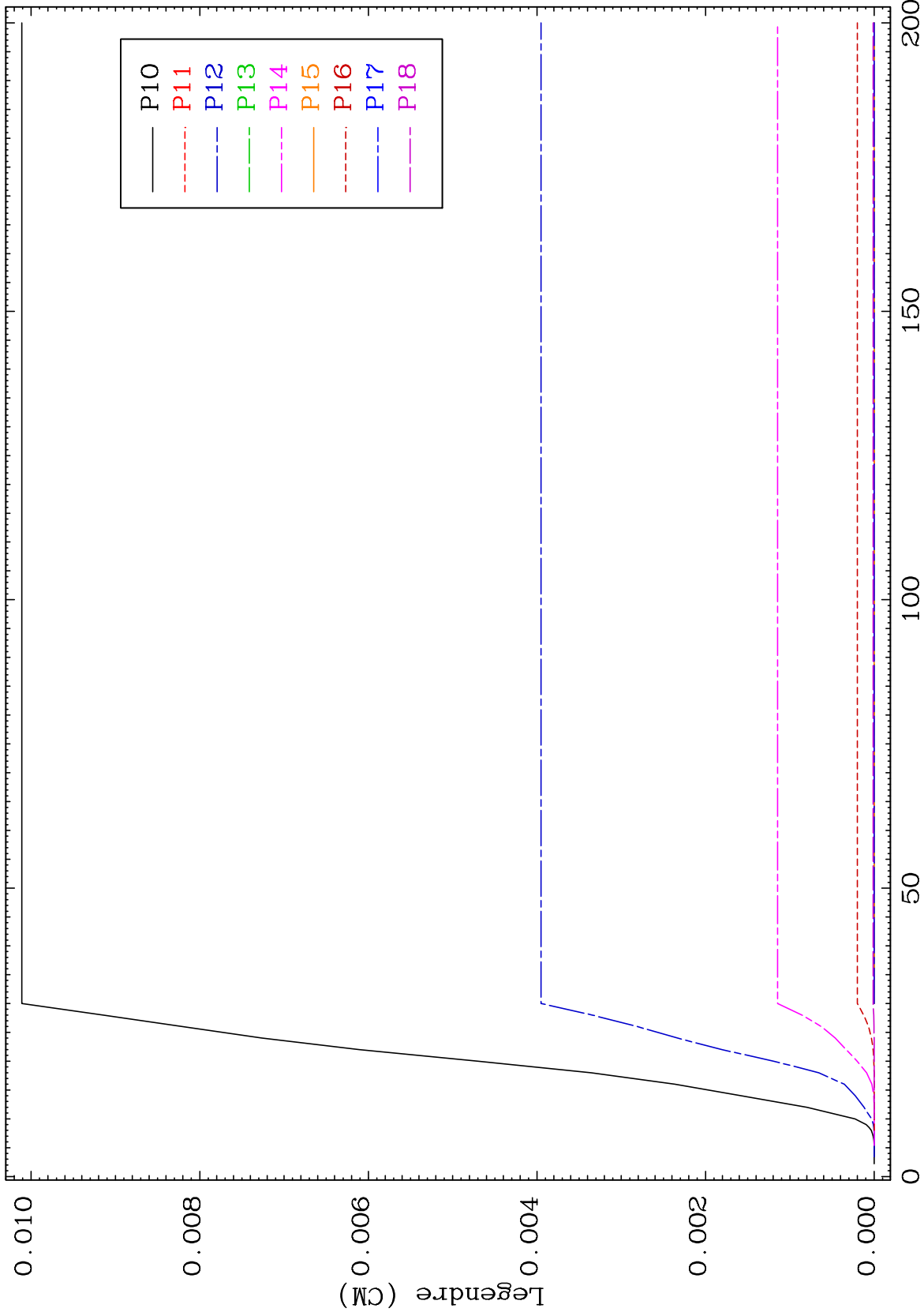




MAT 3919

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

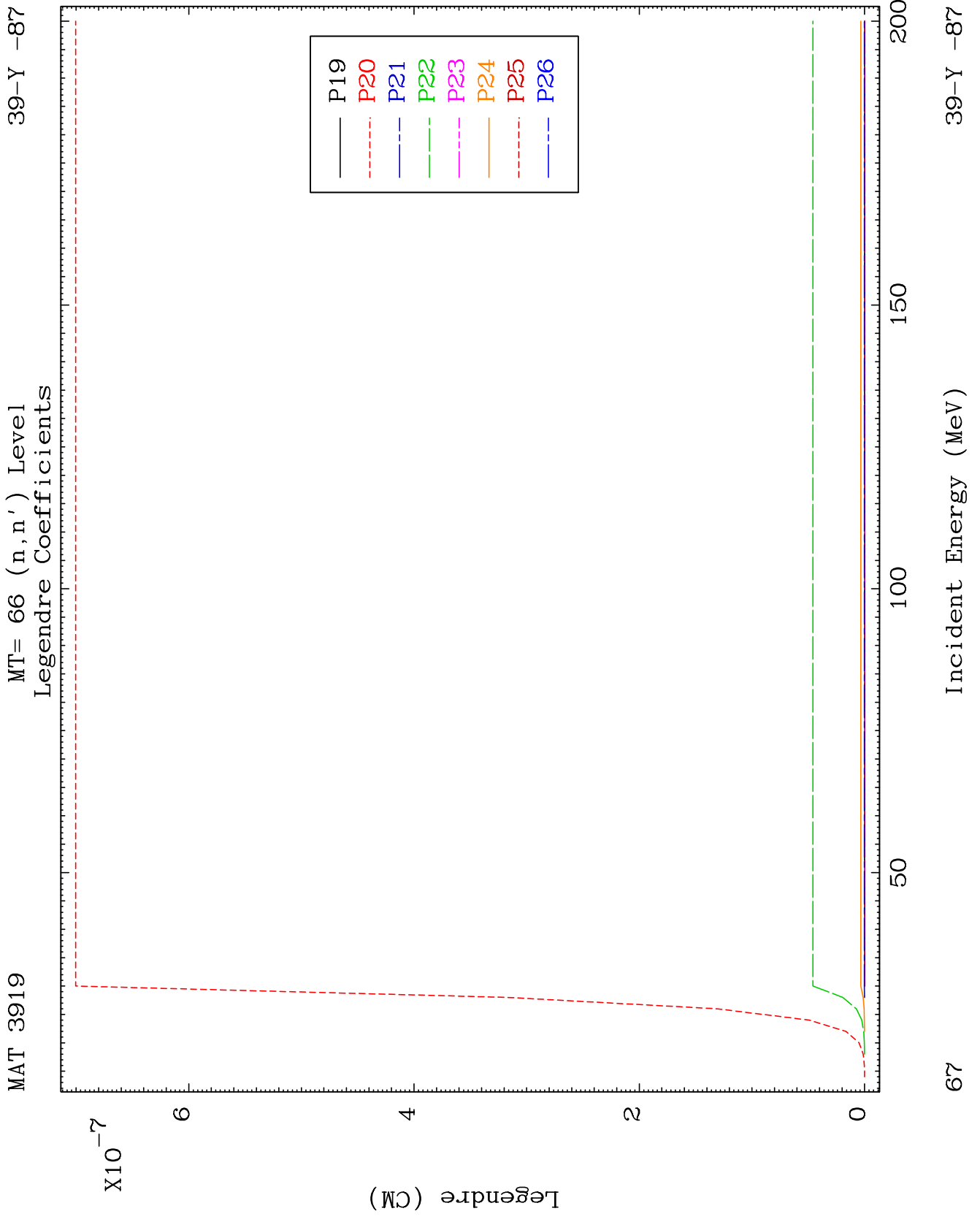
39-Y -87

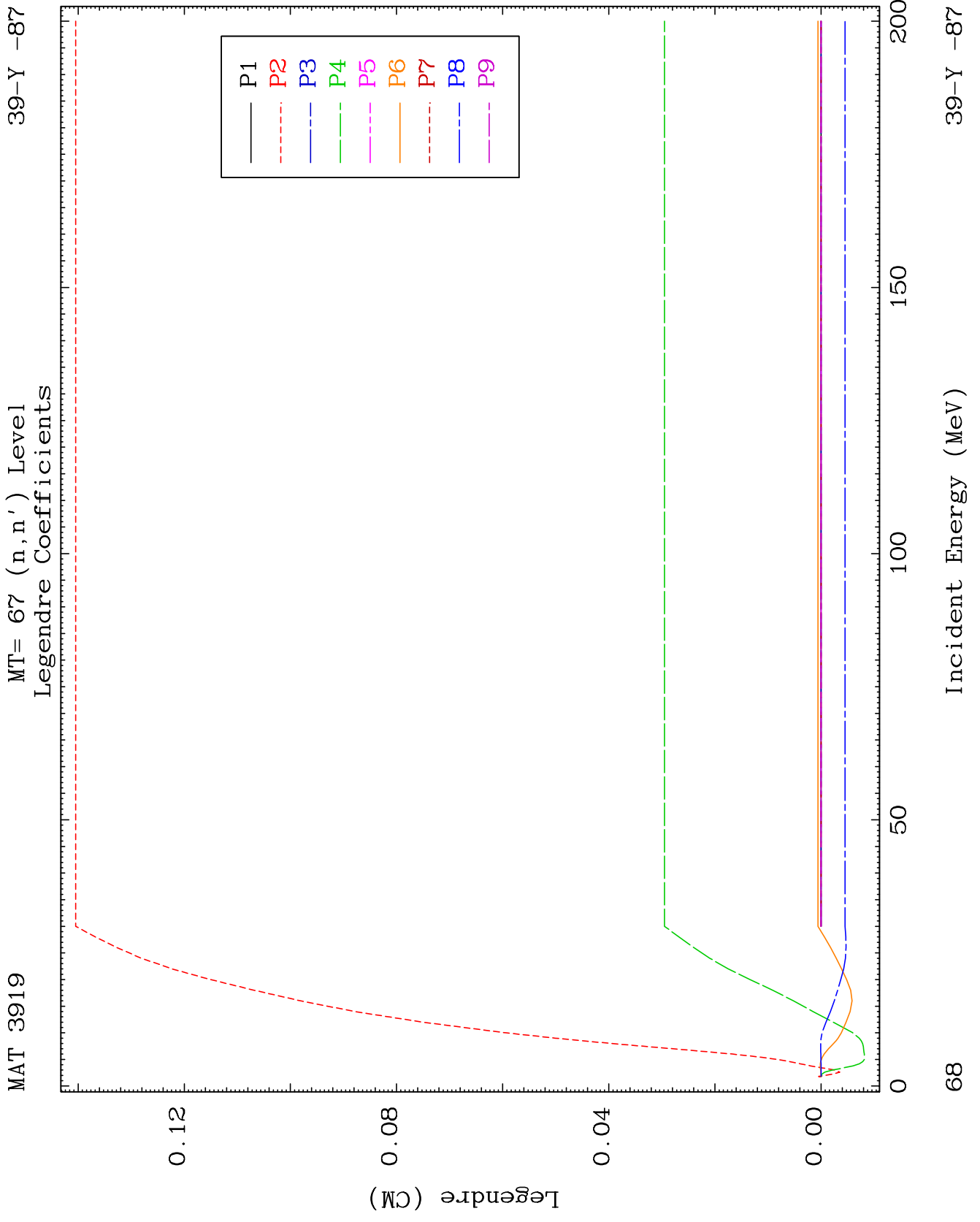


66

Incident Energy (MeV)

39-Y -87

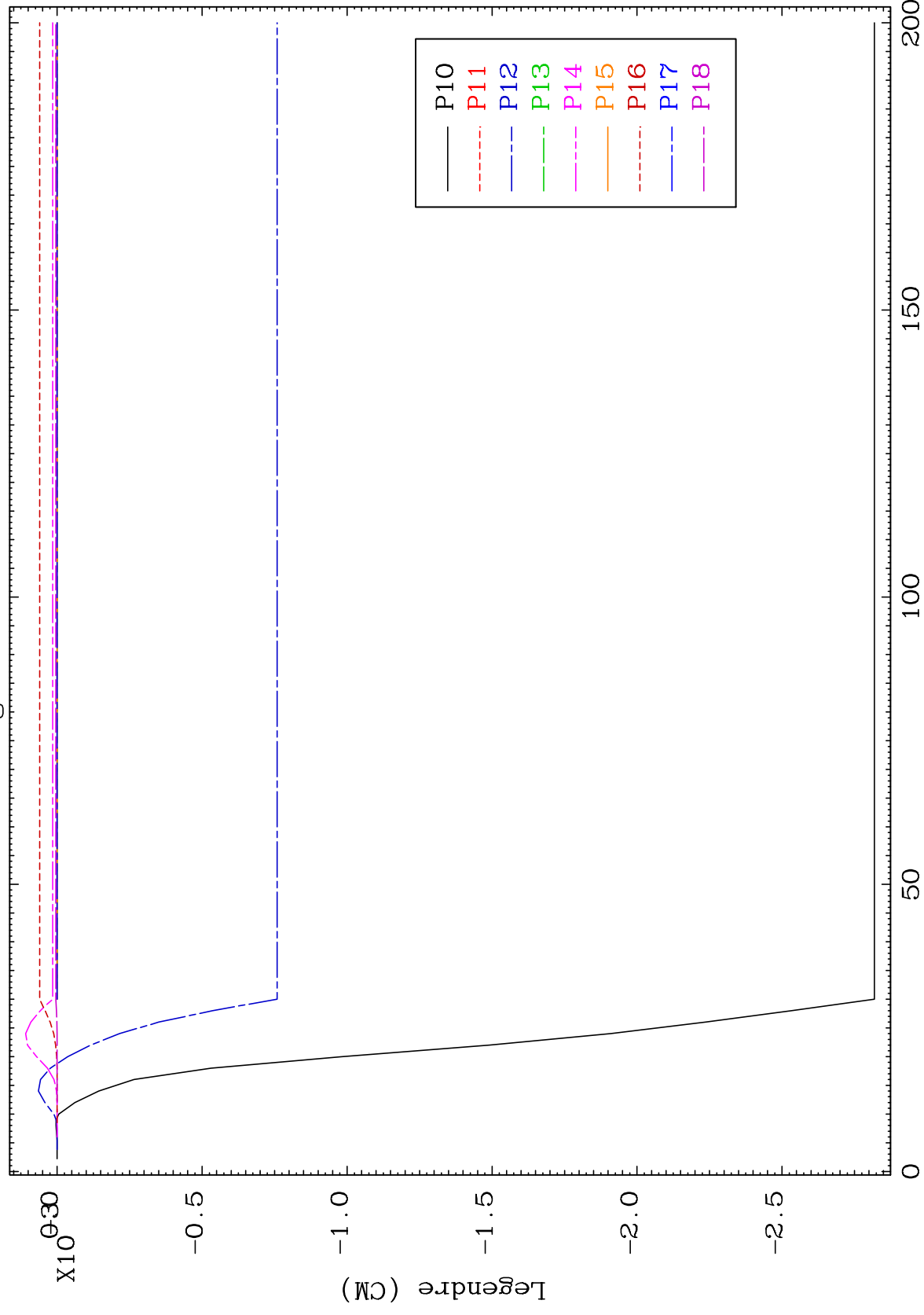




MAT 3919

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

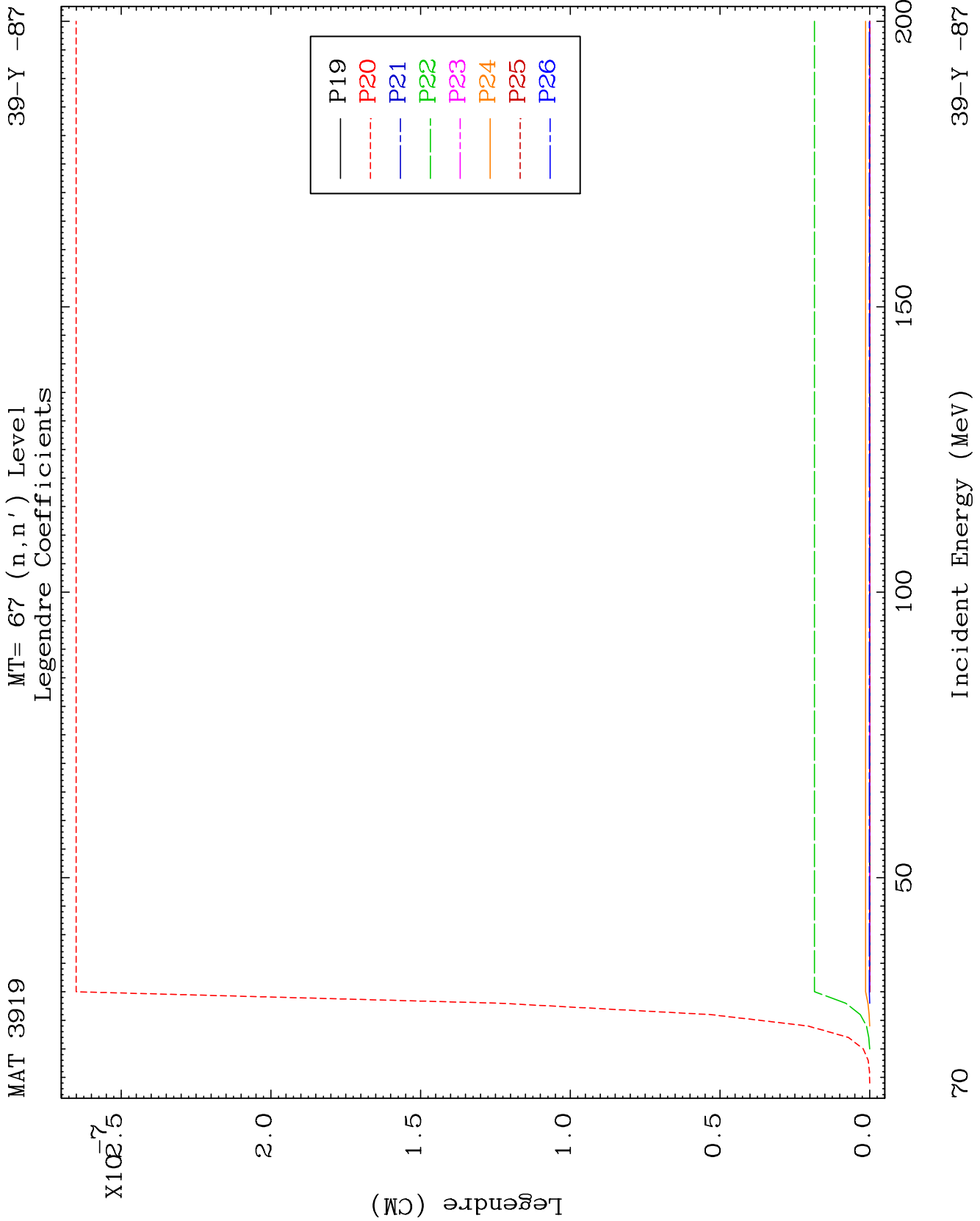
39-Y -87



69

Incident Energy (MeV)

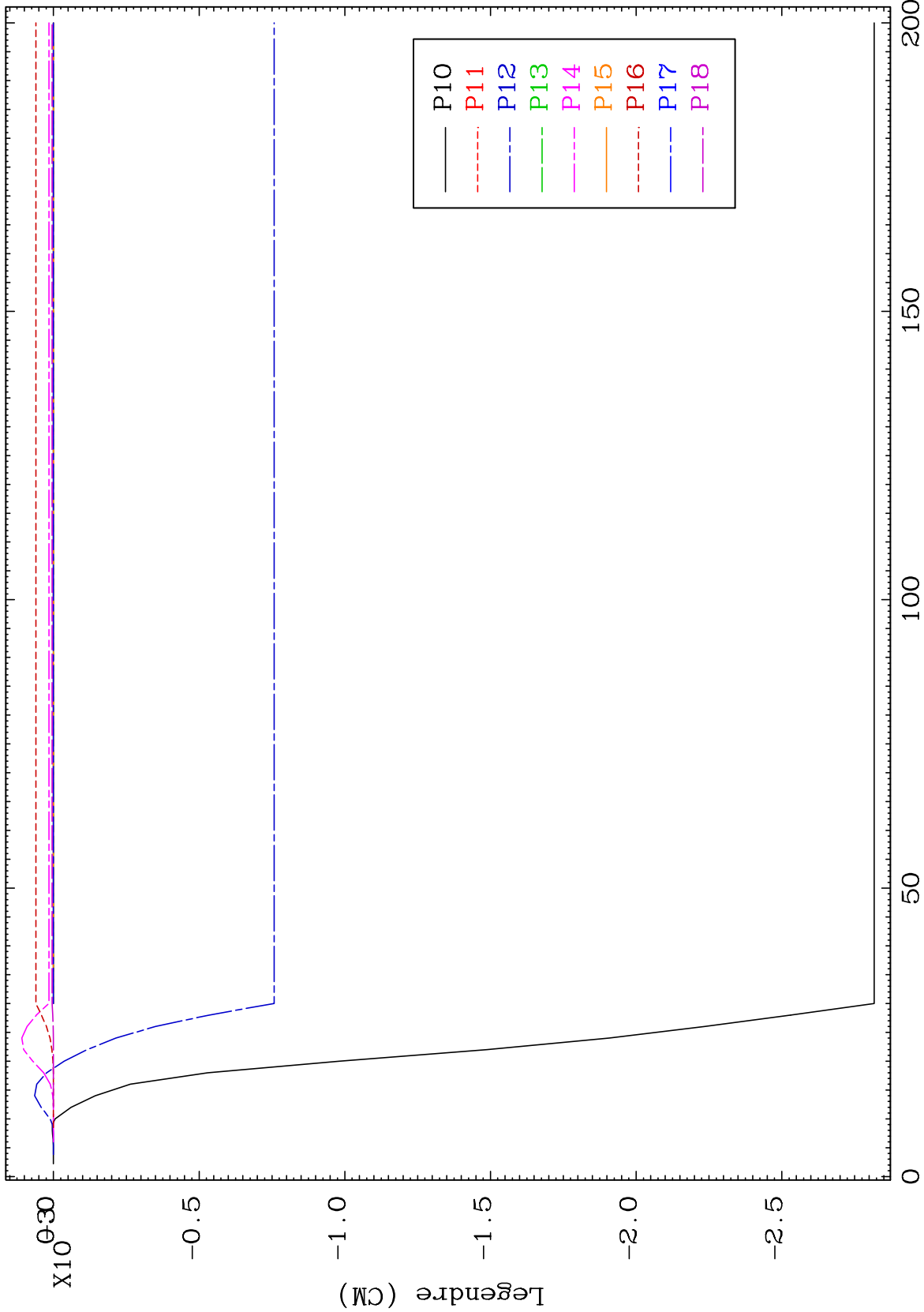
39-Y -87



MAT 3919

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

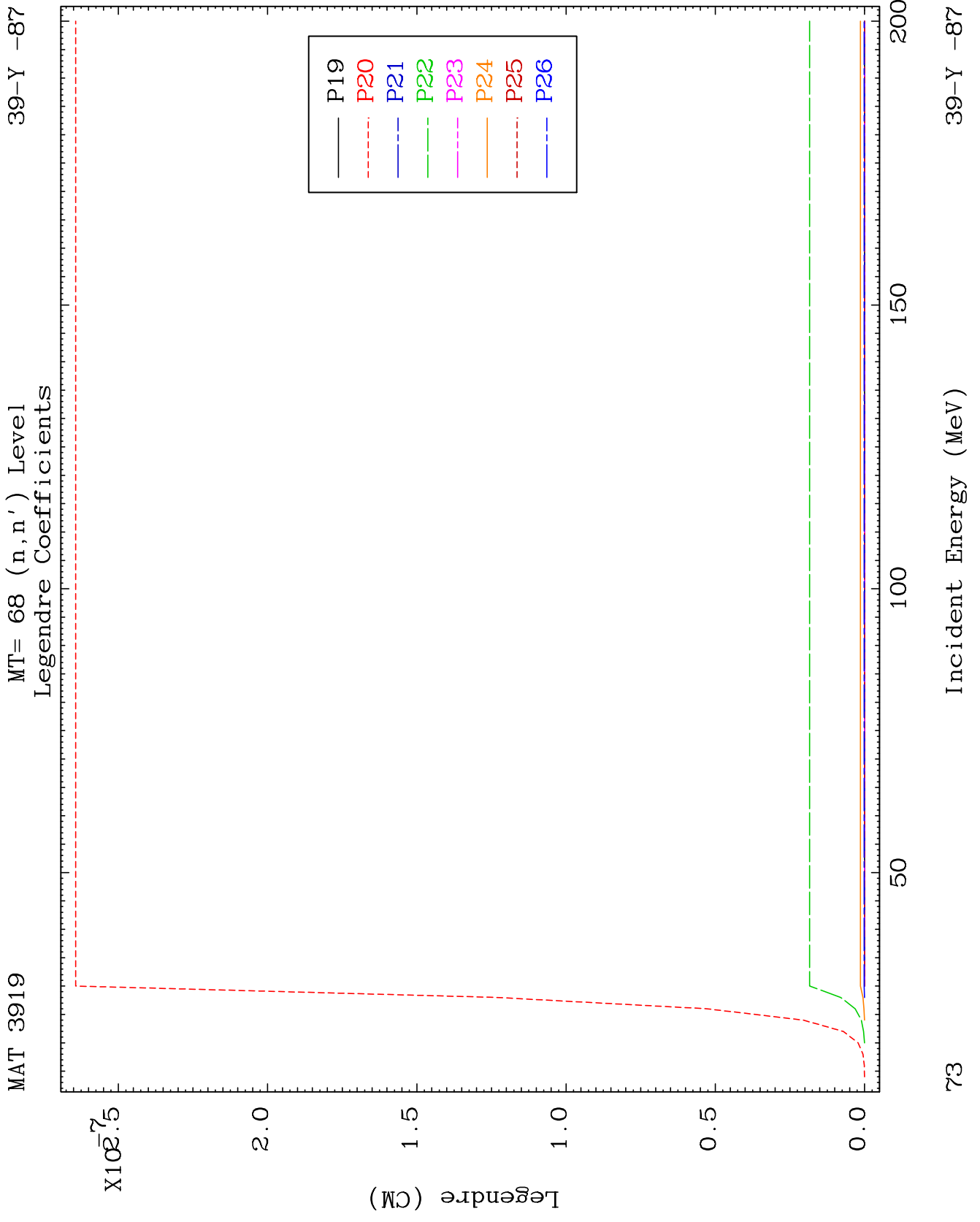
39-Y -87

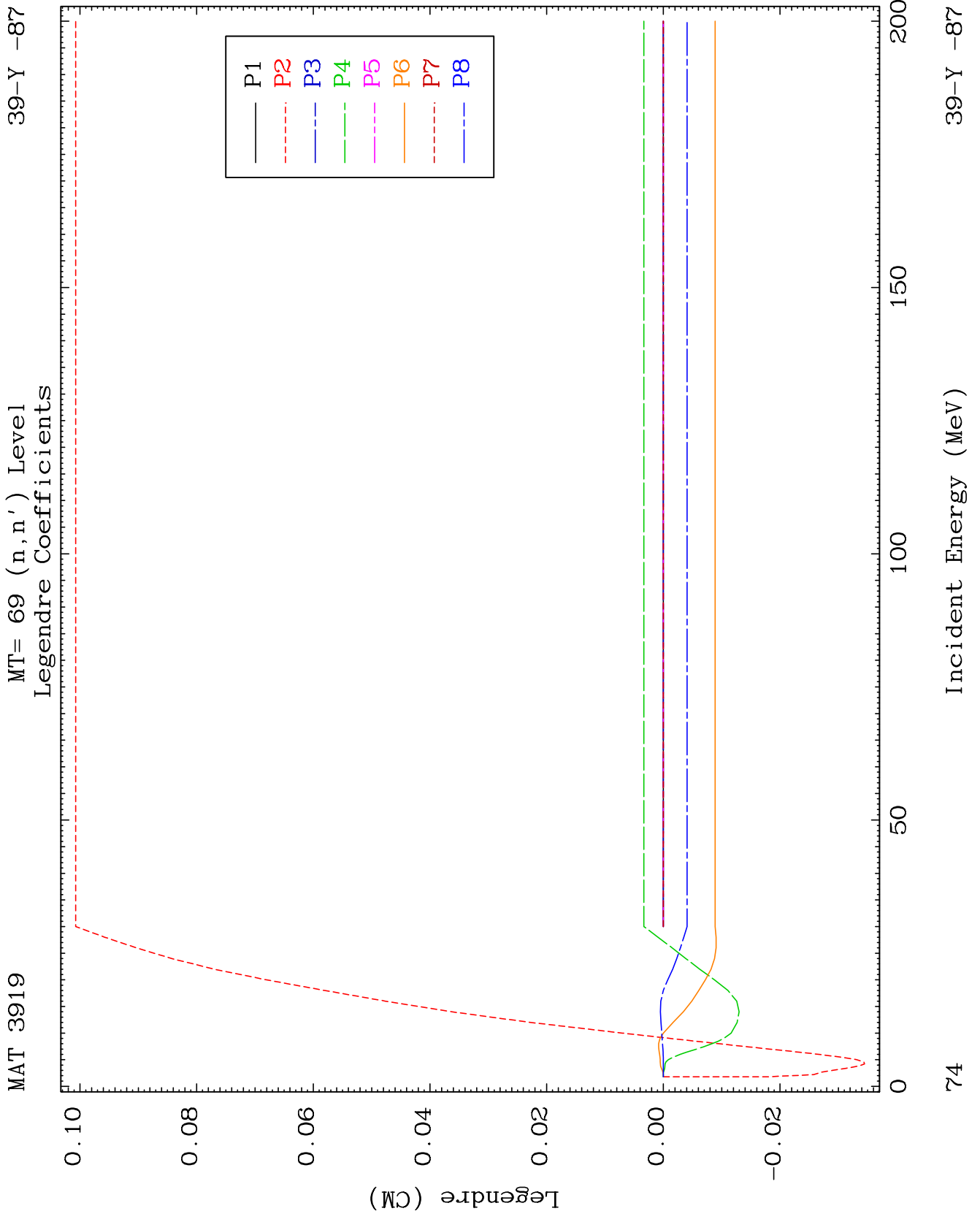


72

Incident Energy (MeV)

39-Y -87

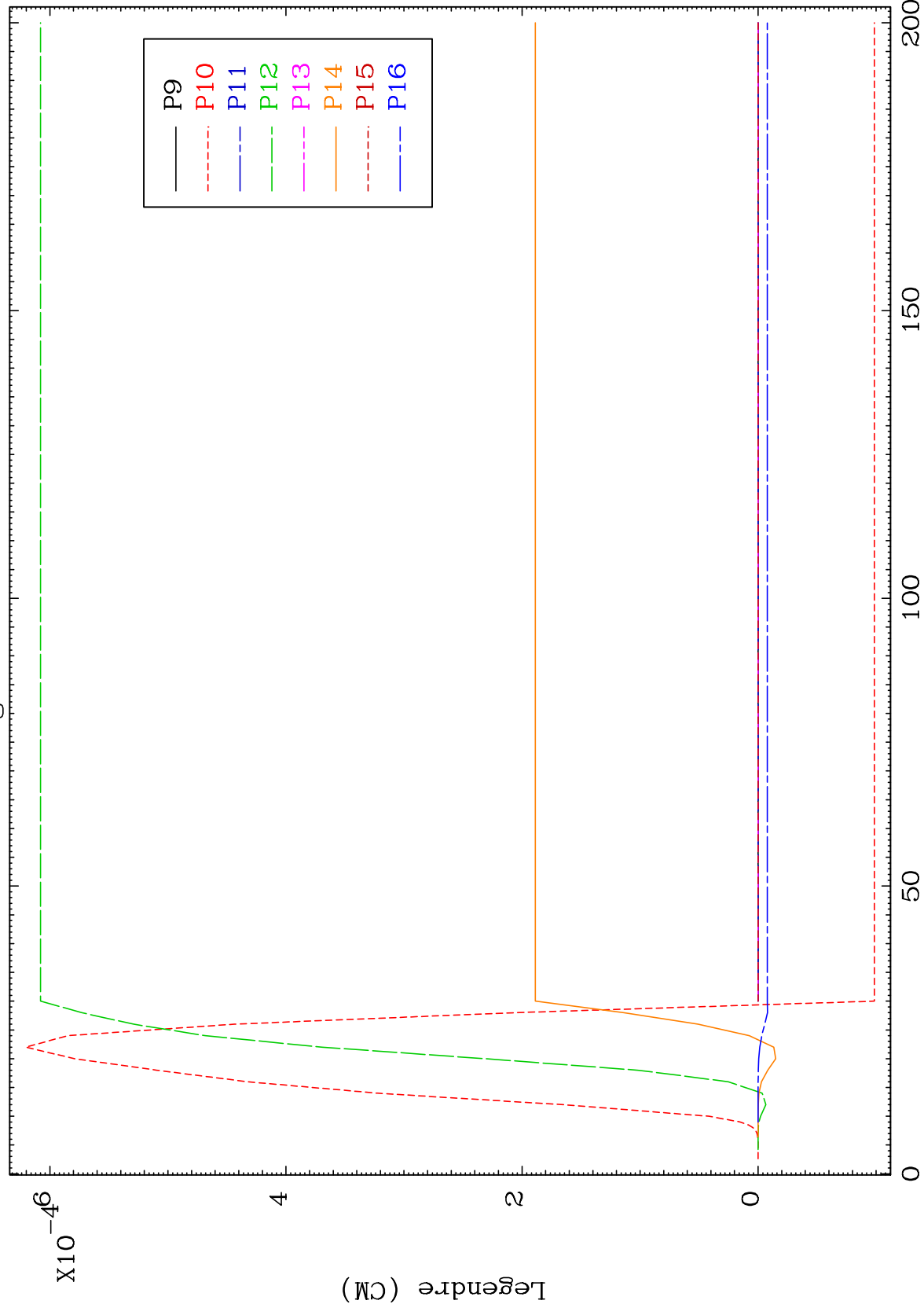




MAT 3919

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

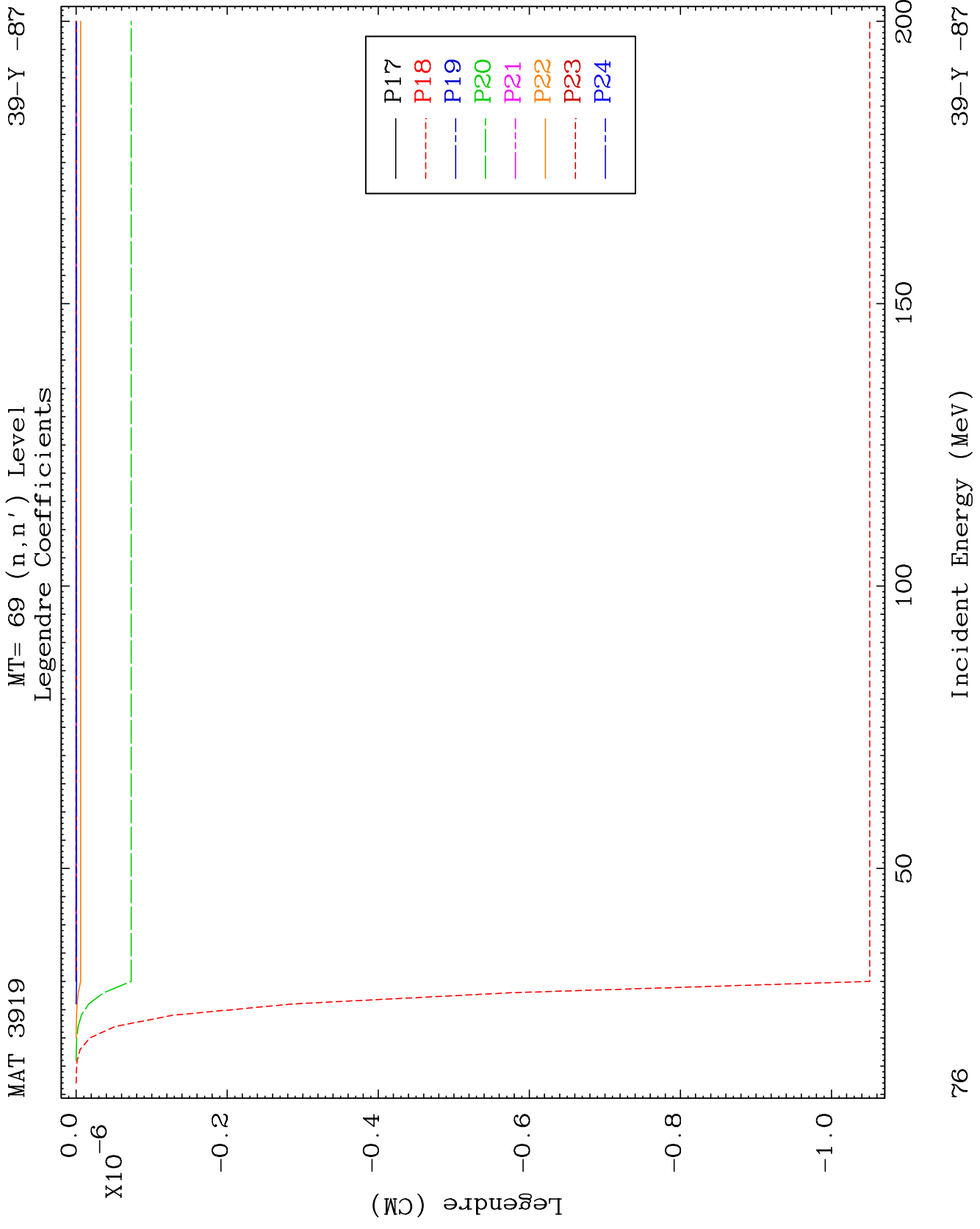
39-Y -87

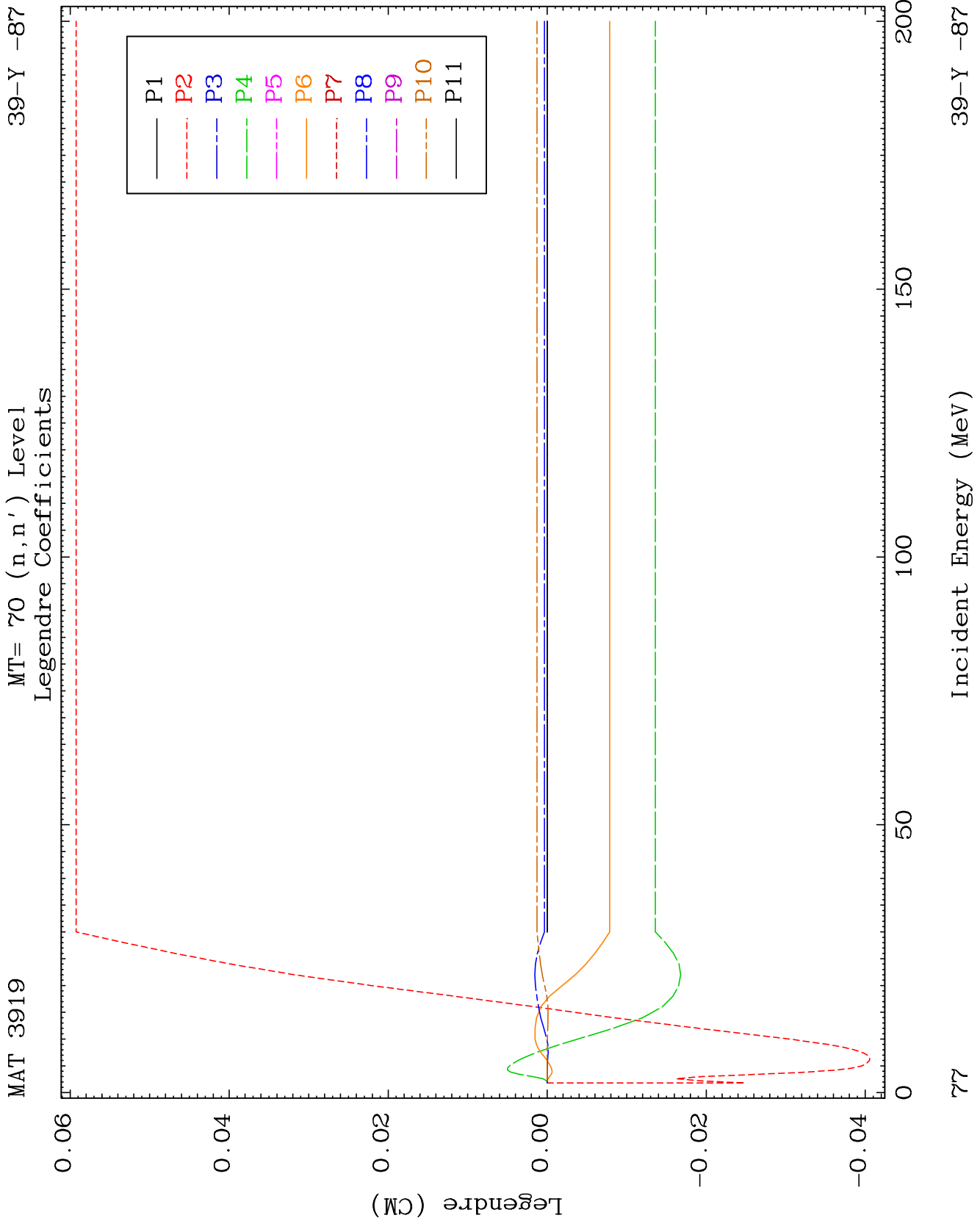


75

Incident Energy (MeV)

39-Y -87

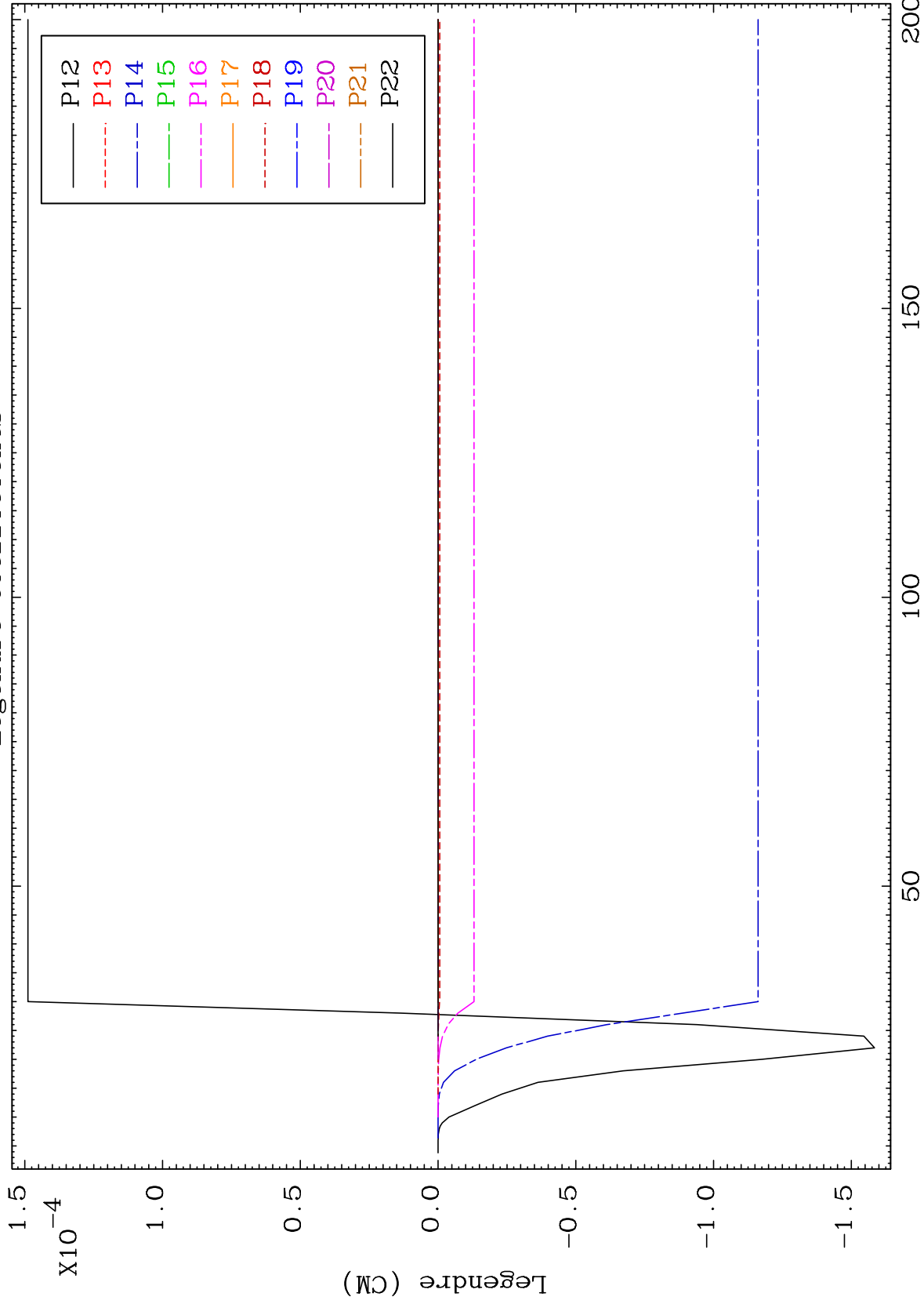




MAT 3919

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

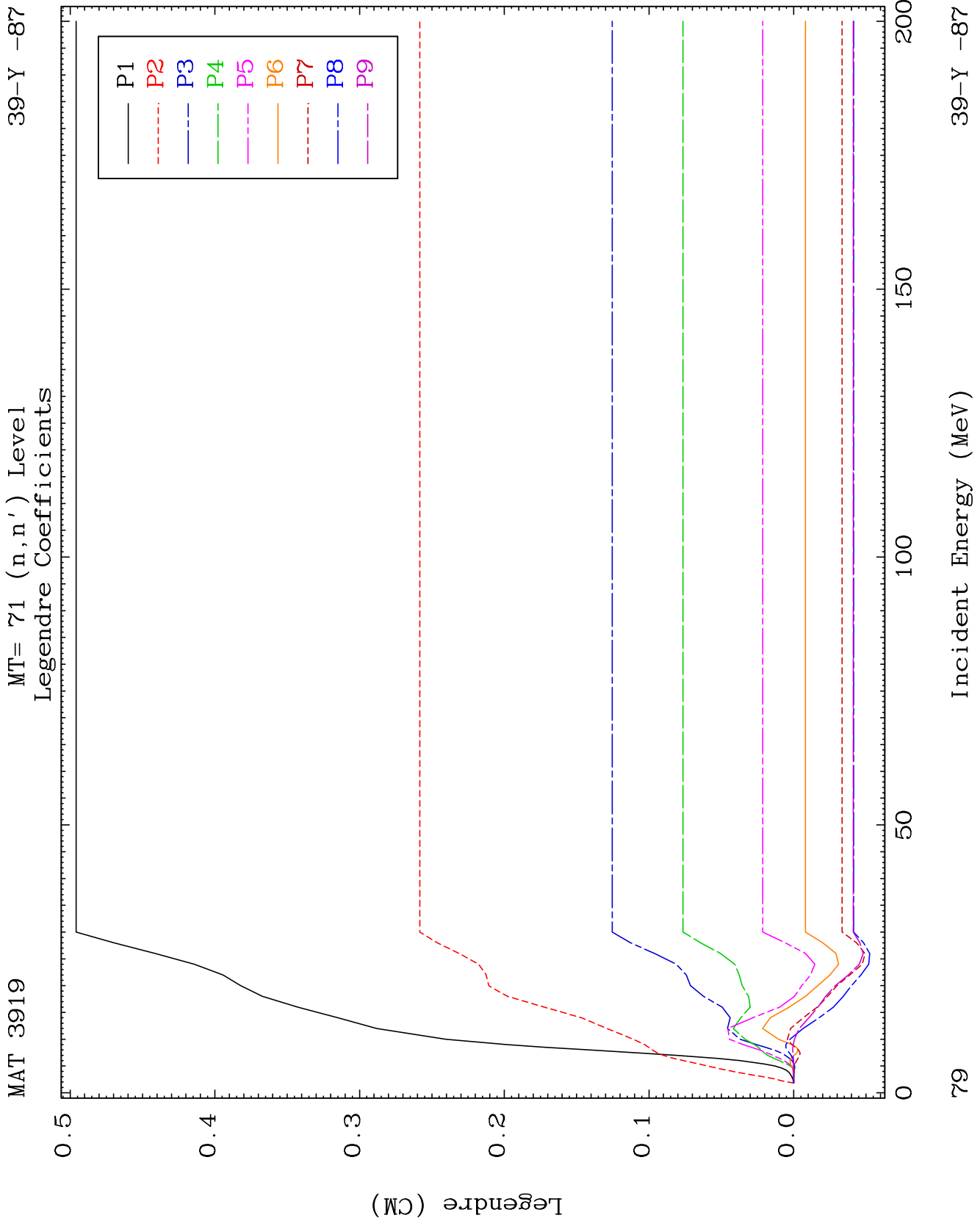
39-Y -87



78

Incident Energy (MeV)

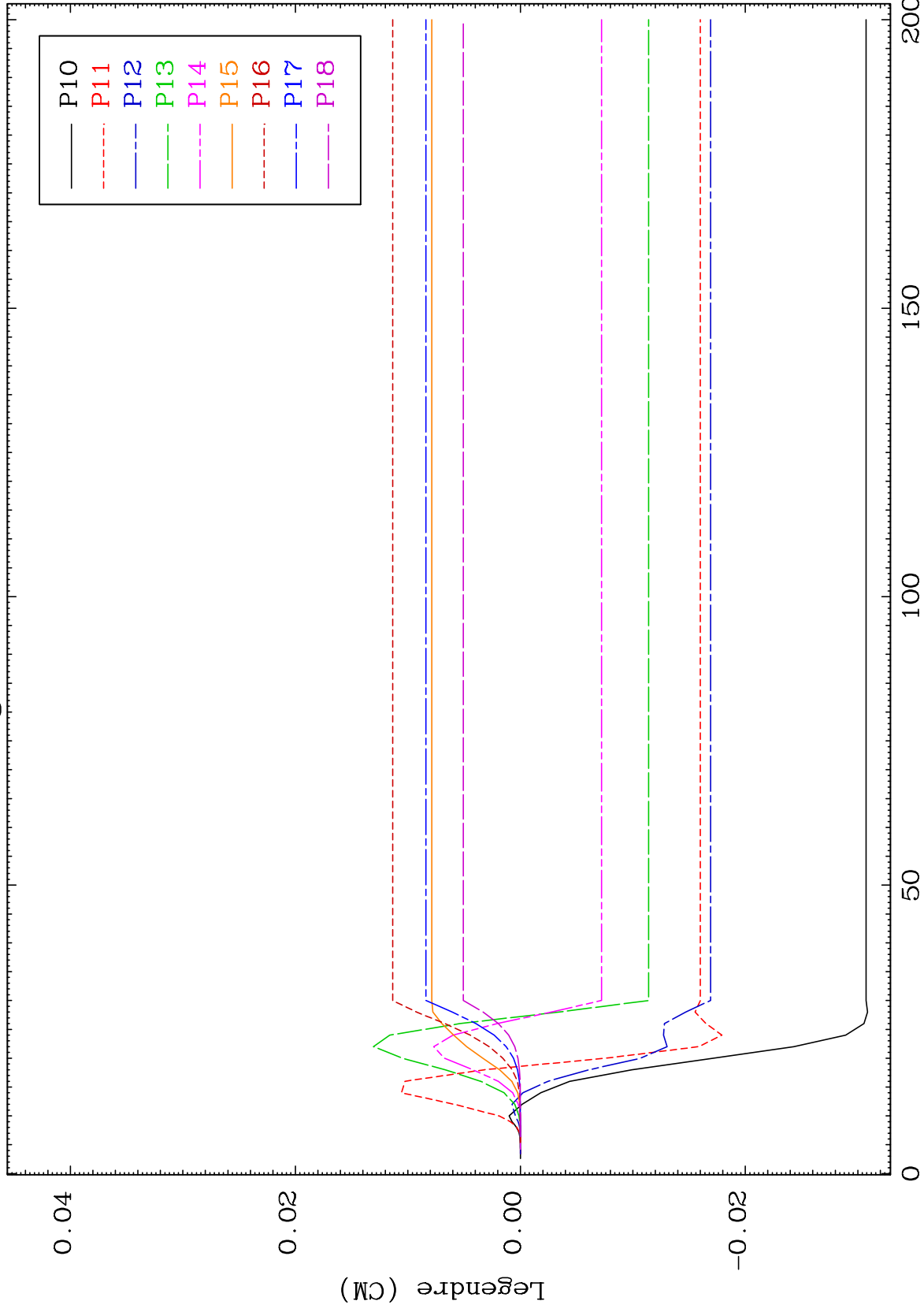
39-Y -87



MAT 3919

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

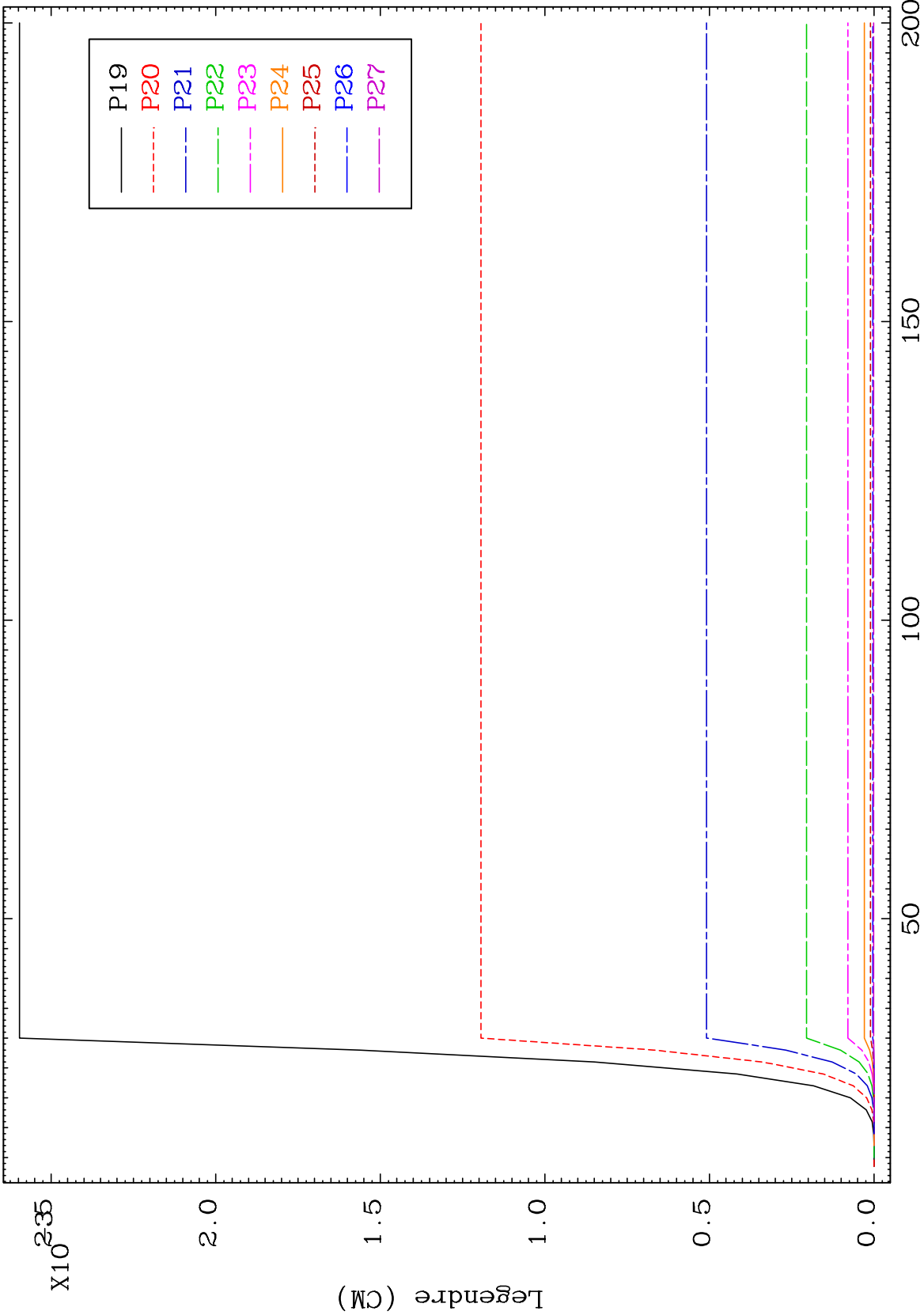
39-Y -87



80

Incident Energy (MeV)

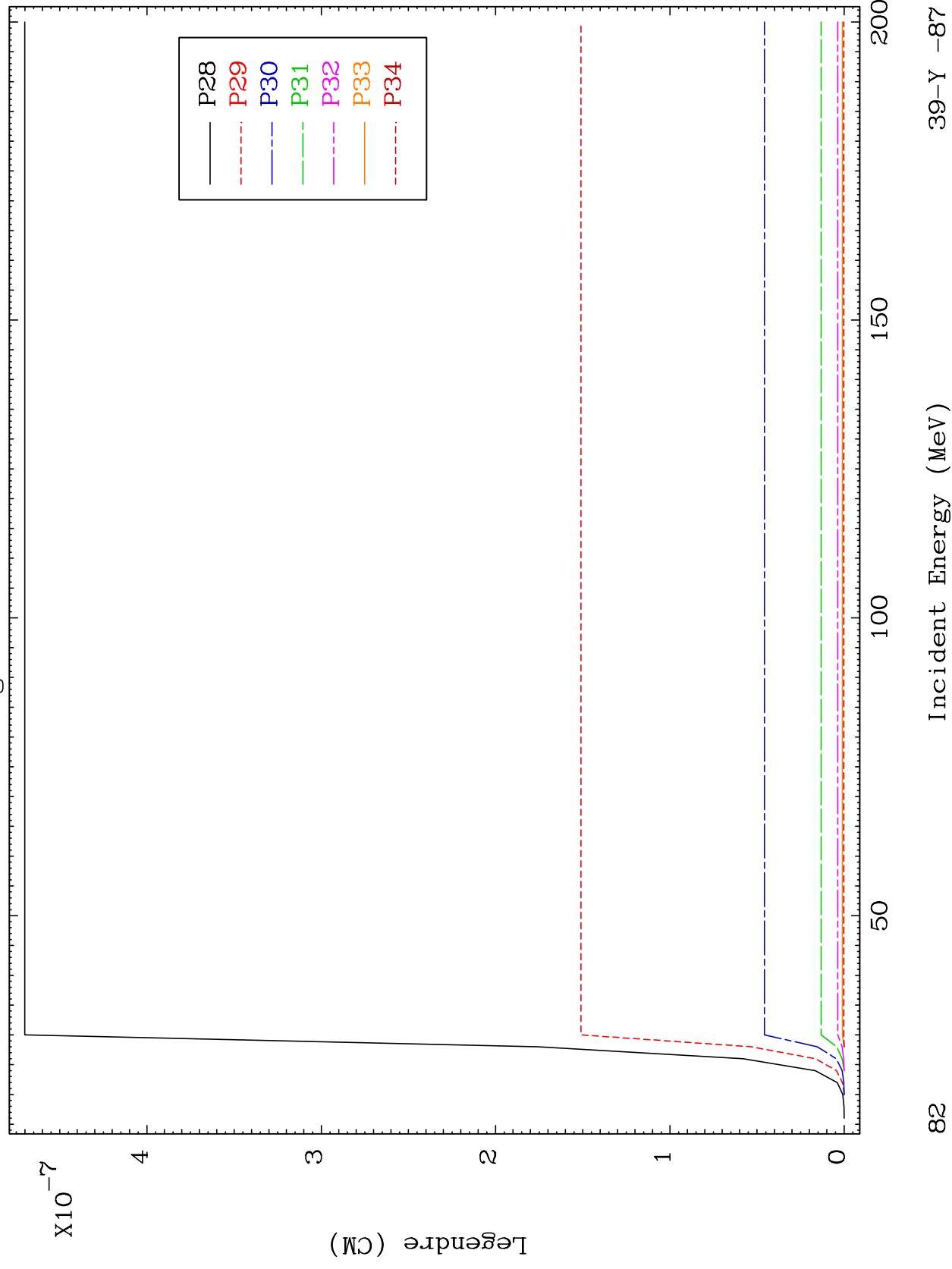
39-Y -87

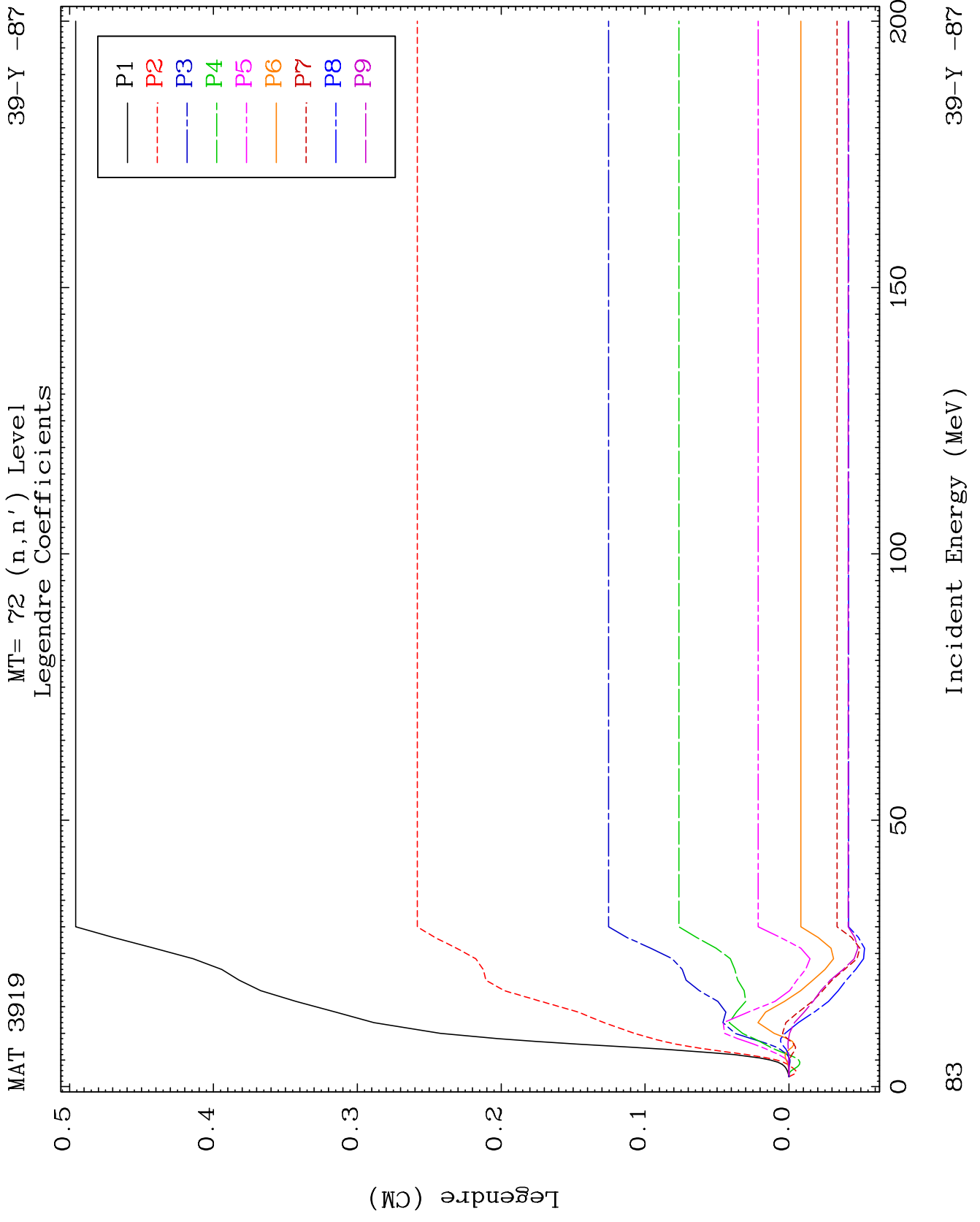


MAT 3919

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

39-Y -87

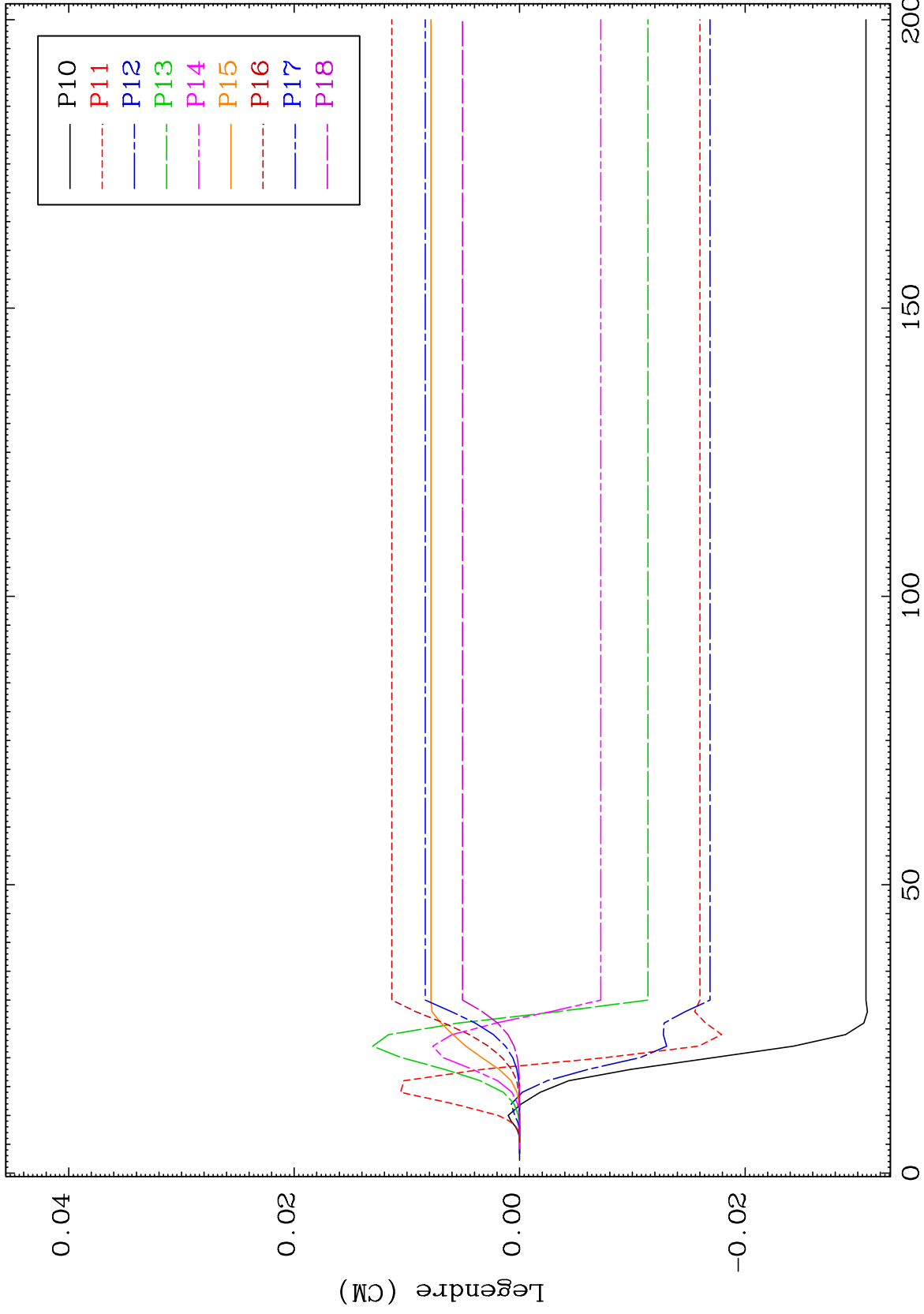




MAT 3919

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

39-Y -87



84

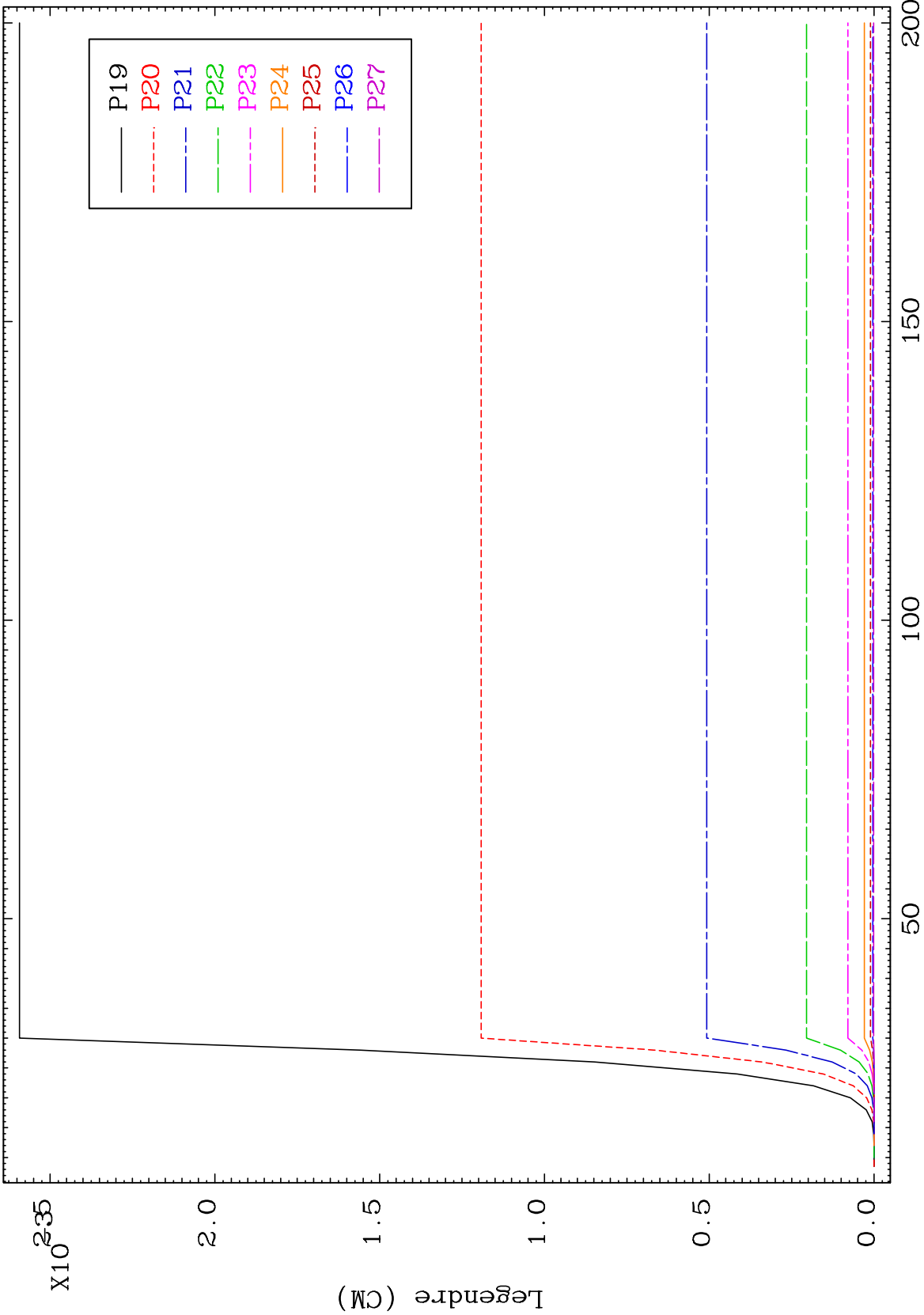
Incident Energy (MeV)

39-Y -87

MAT 3919

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

39-Y -87



85

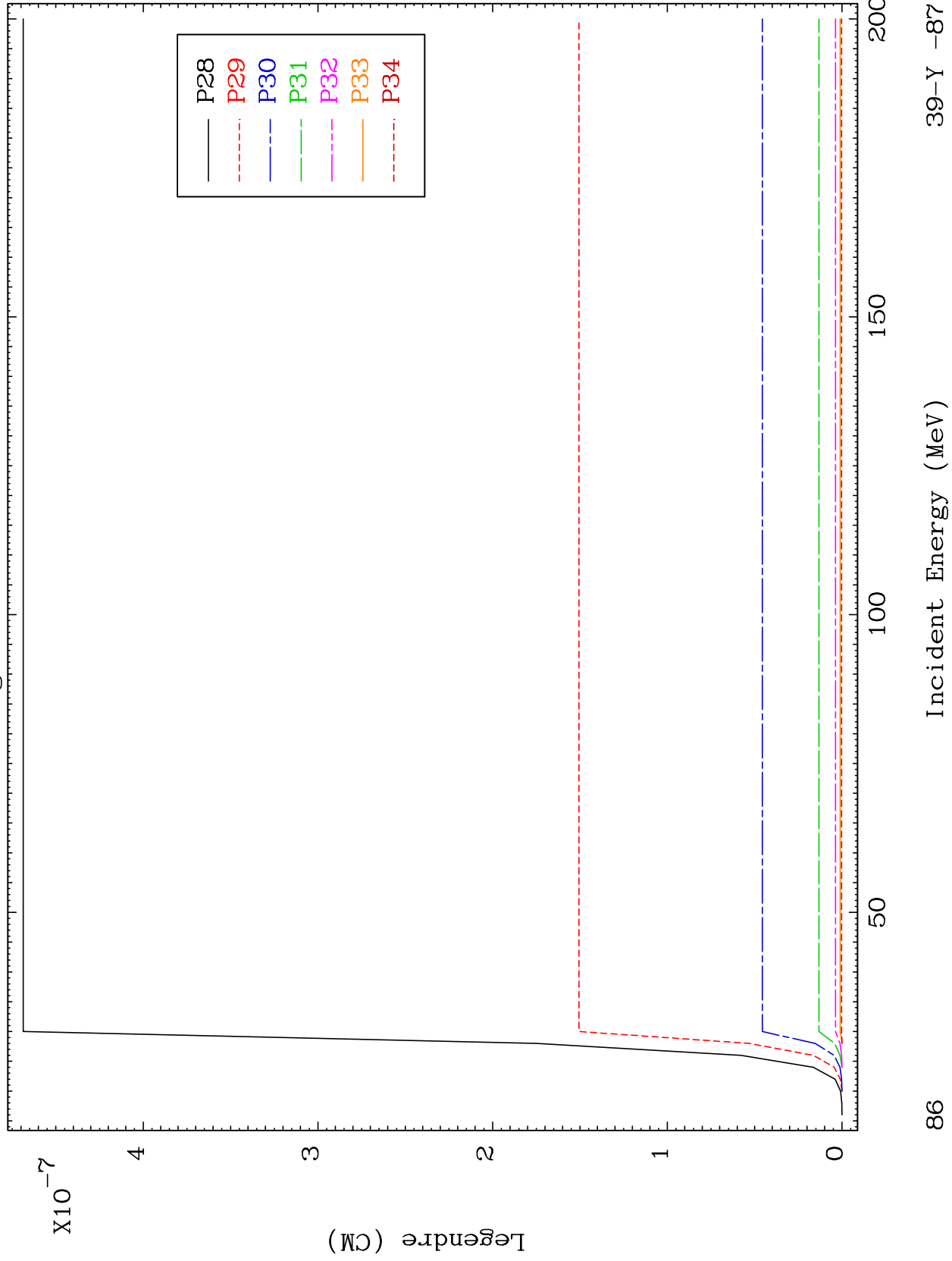
Incident Energy (MeV)

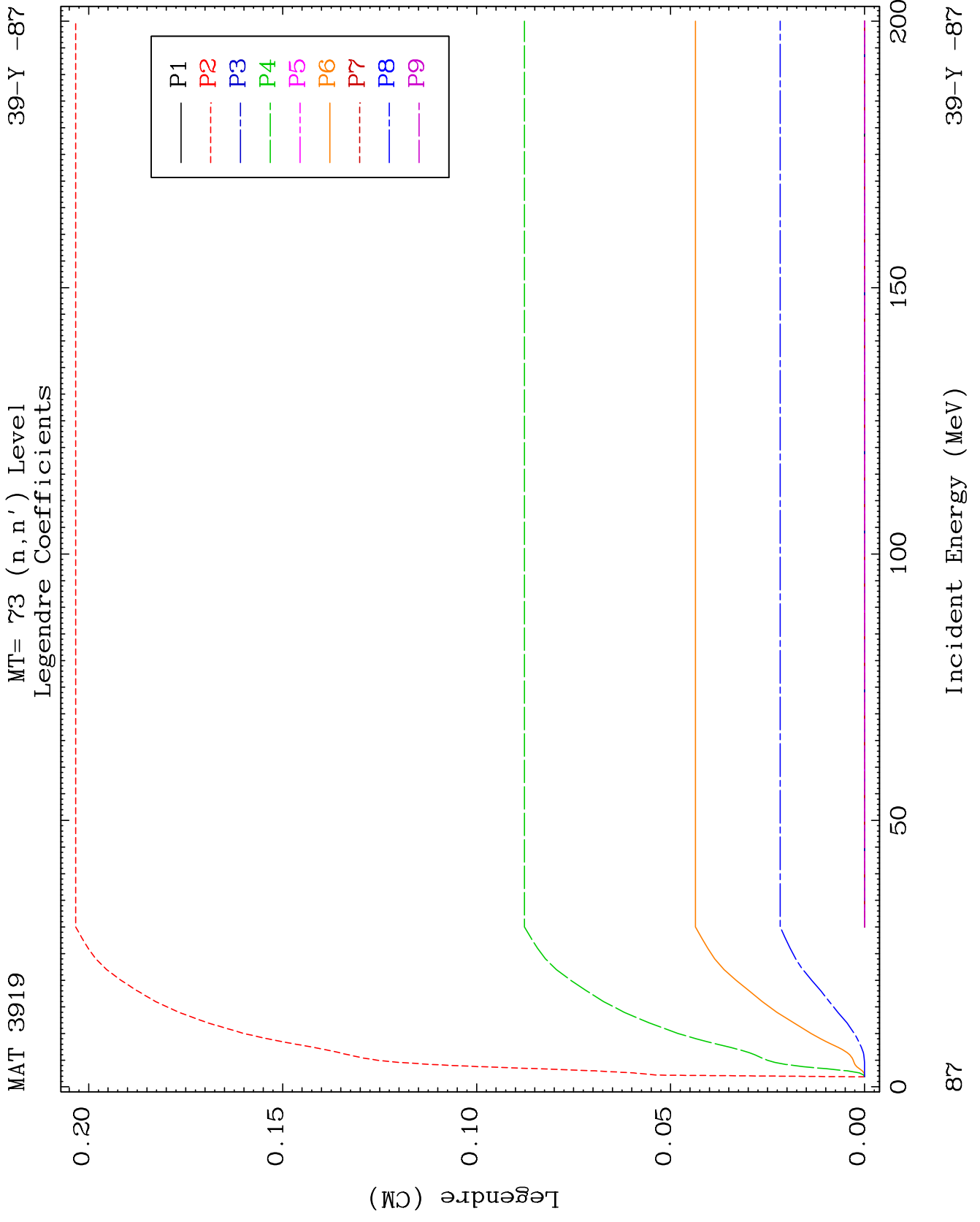
39-Y -87

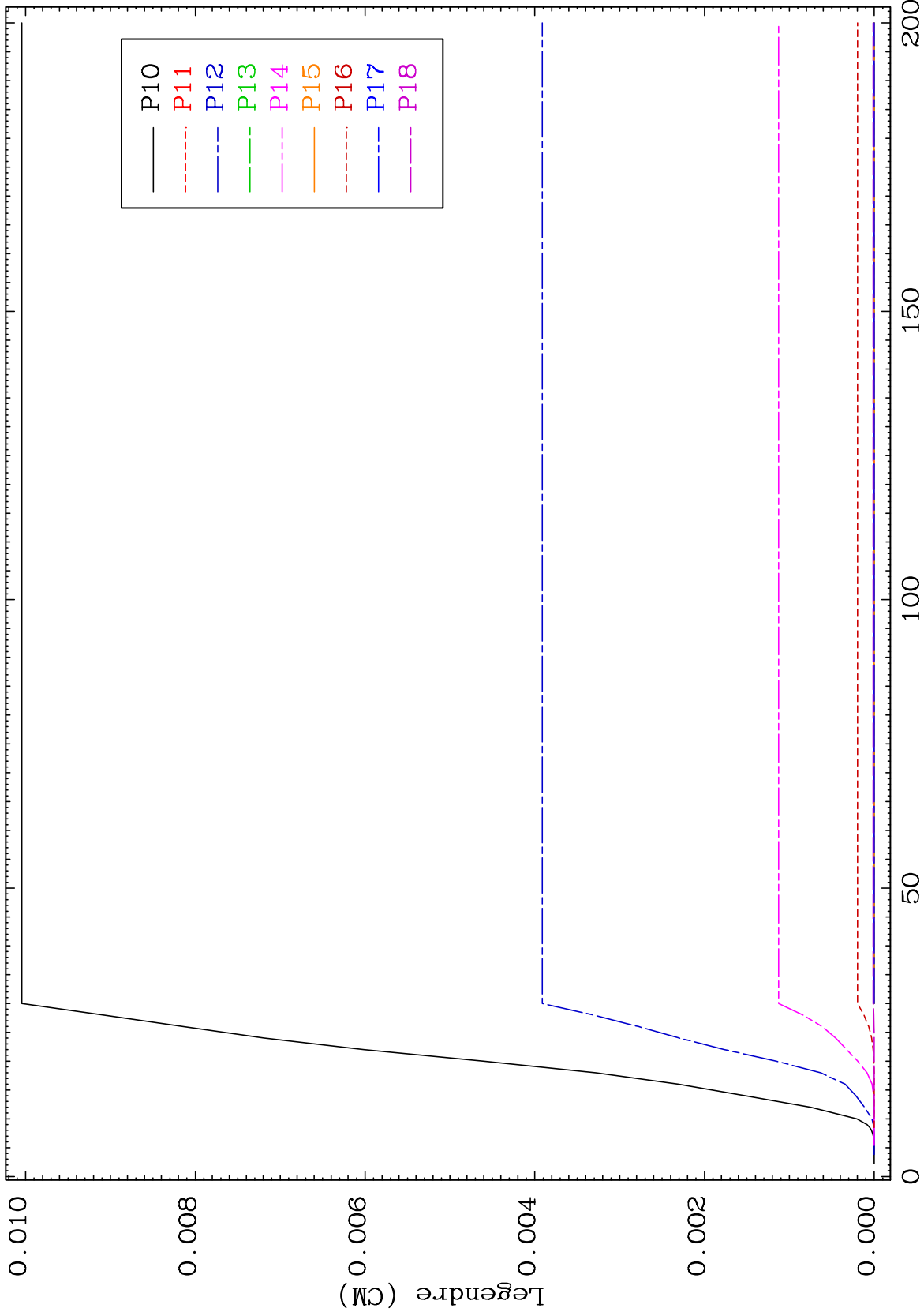
MAT 3919

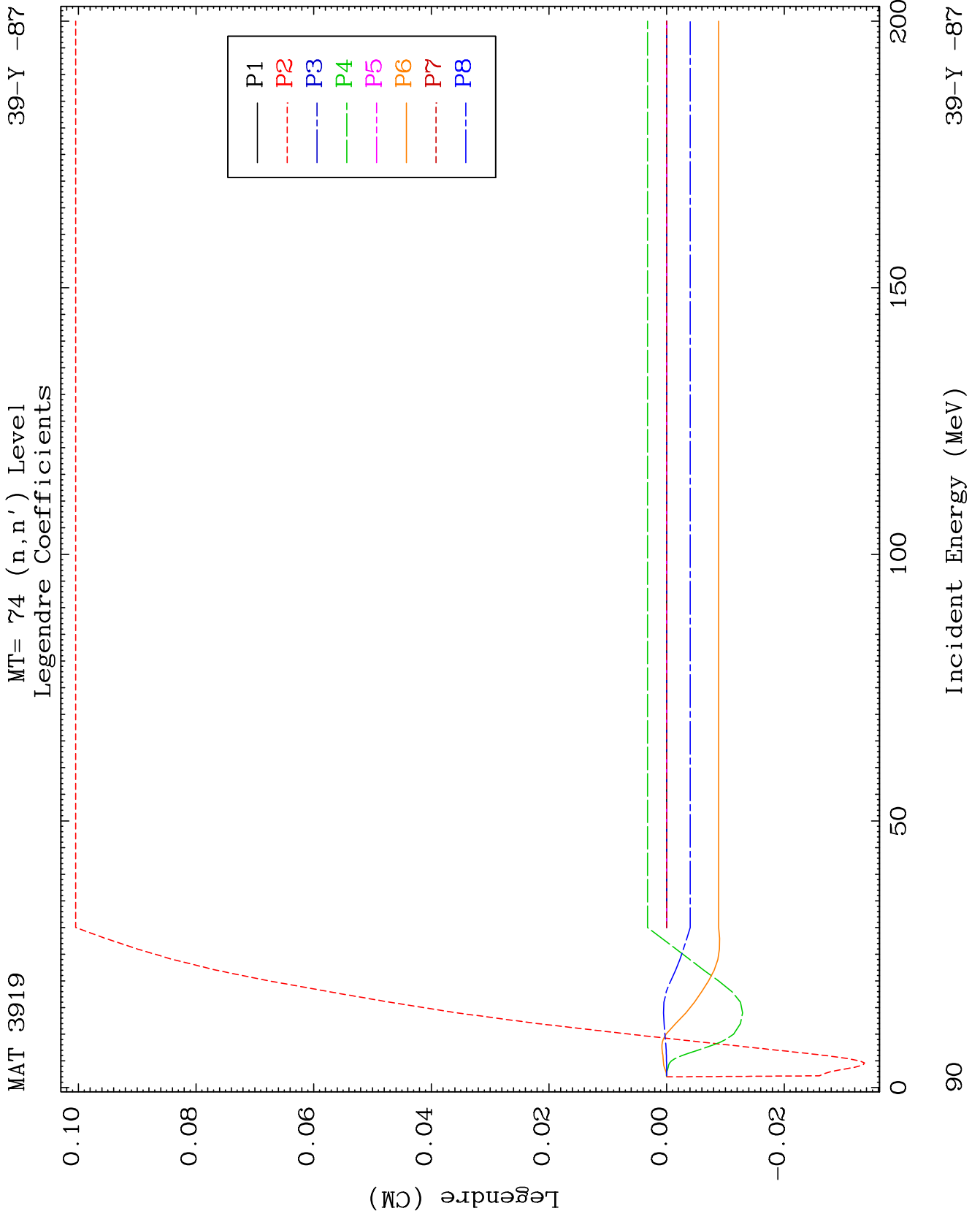
MT= 72 (n,n') Level
Legendre Coefficients

39-Y -87





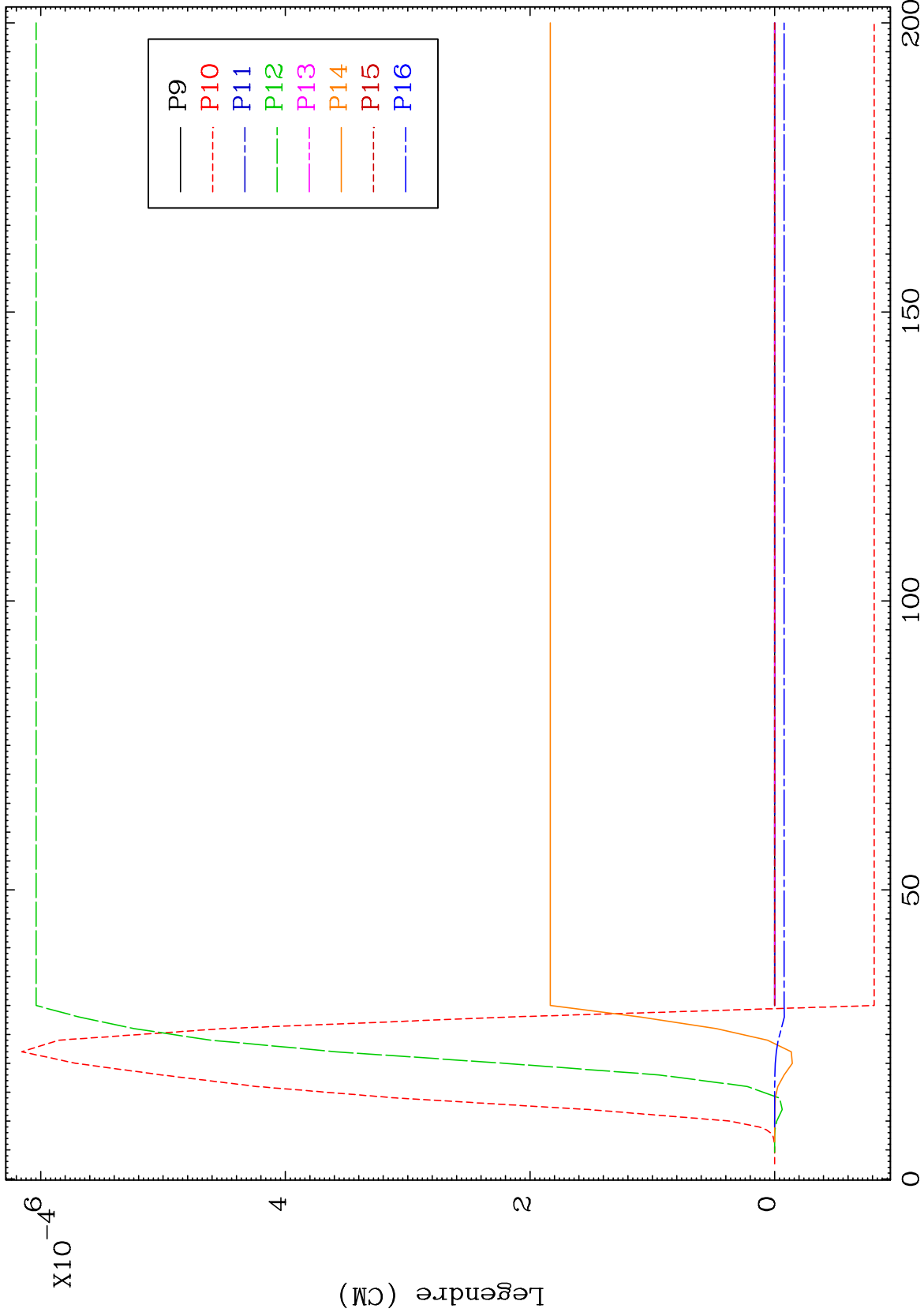




MAT 3919

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

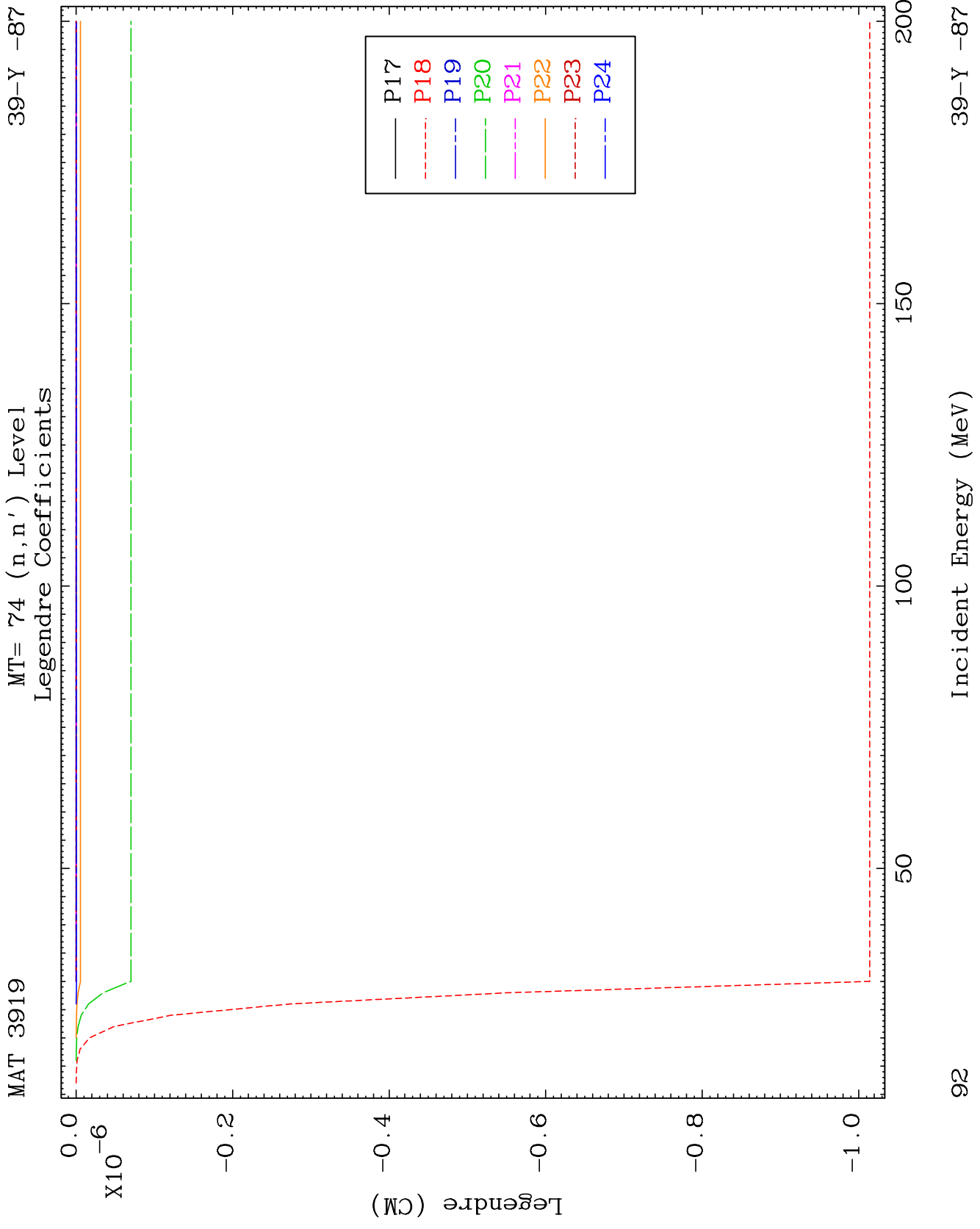
39-Y -87

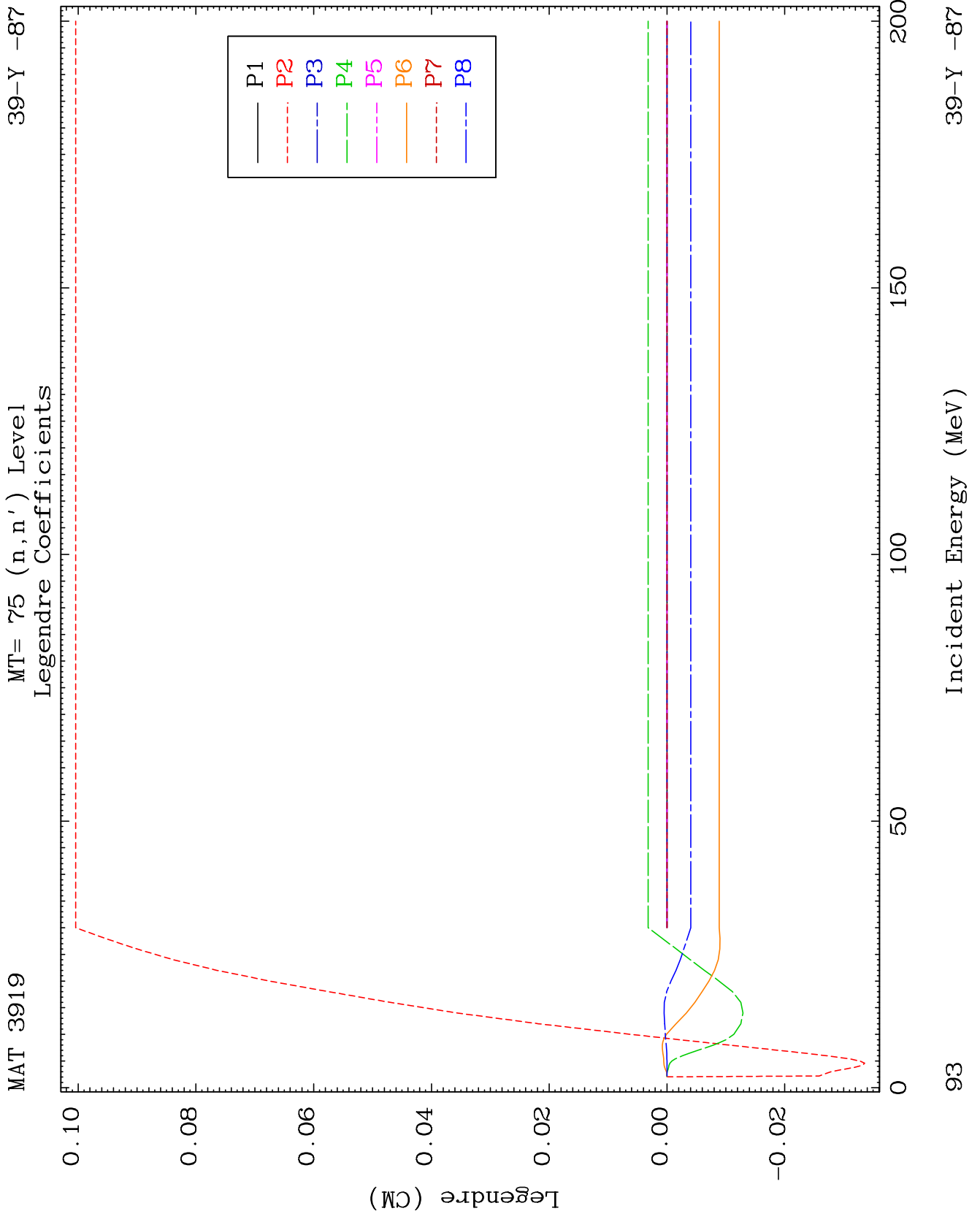


91

Incident Energy (MeV)

39-Y -87

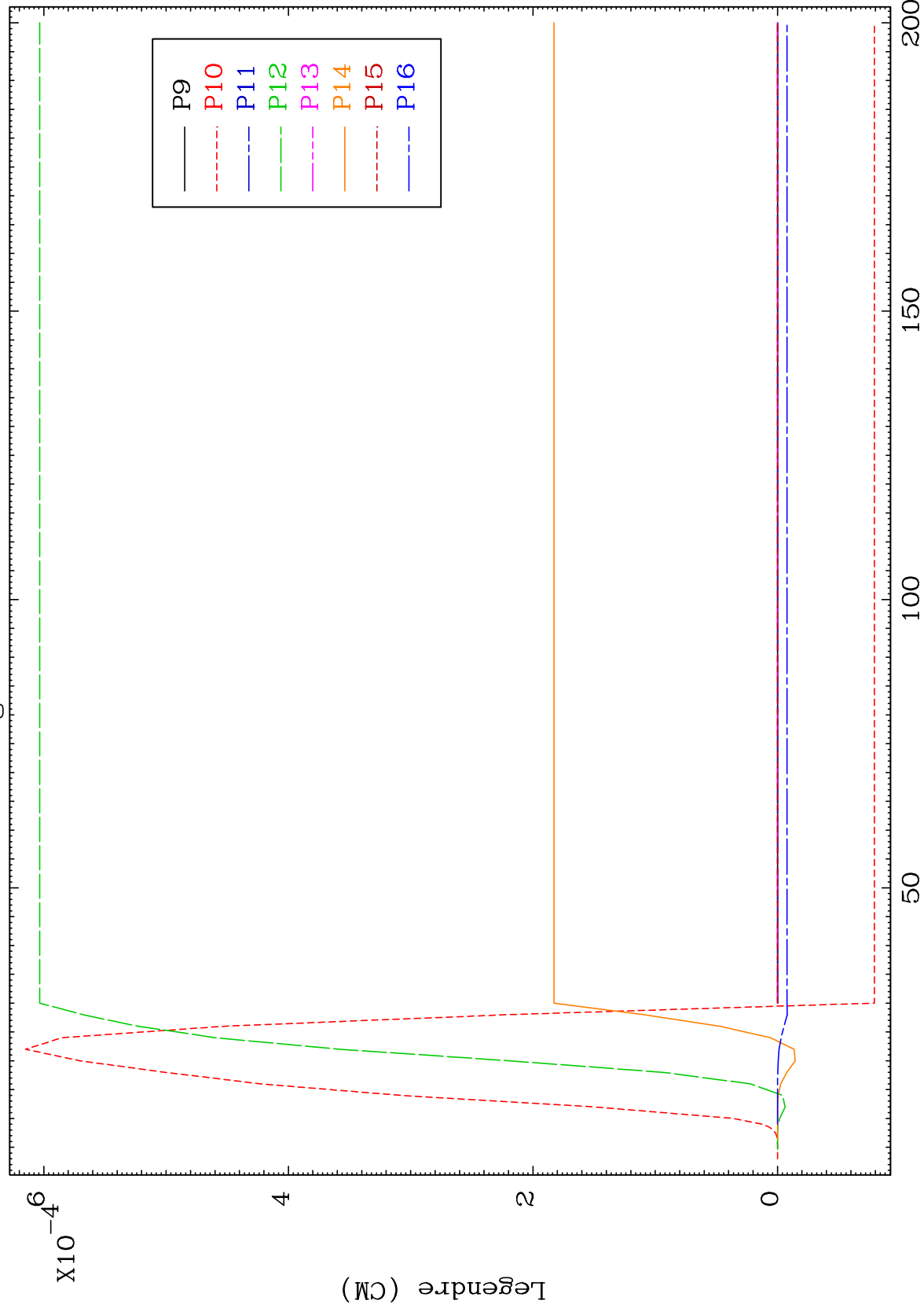




MAT 3919

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

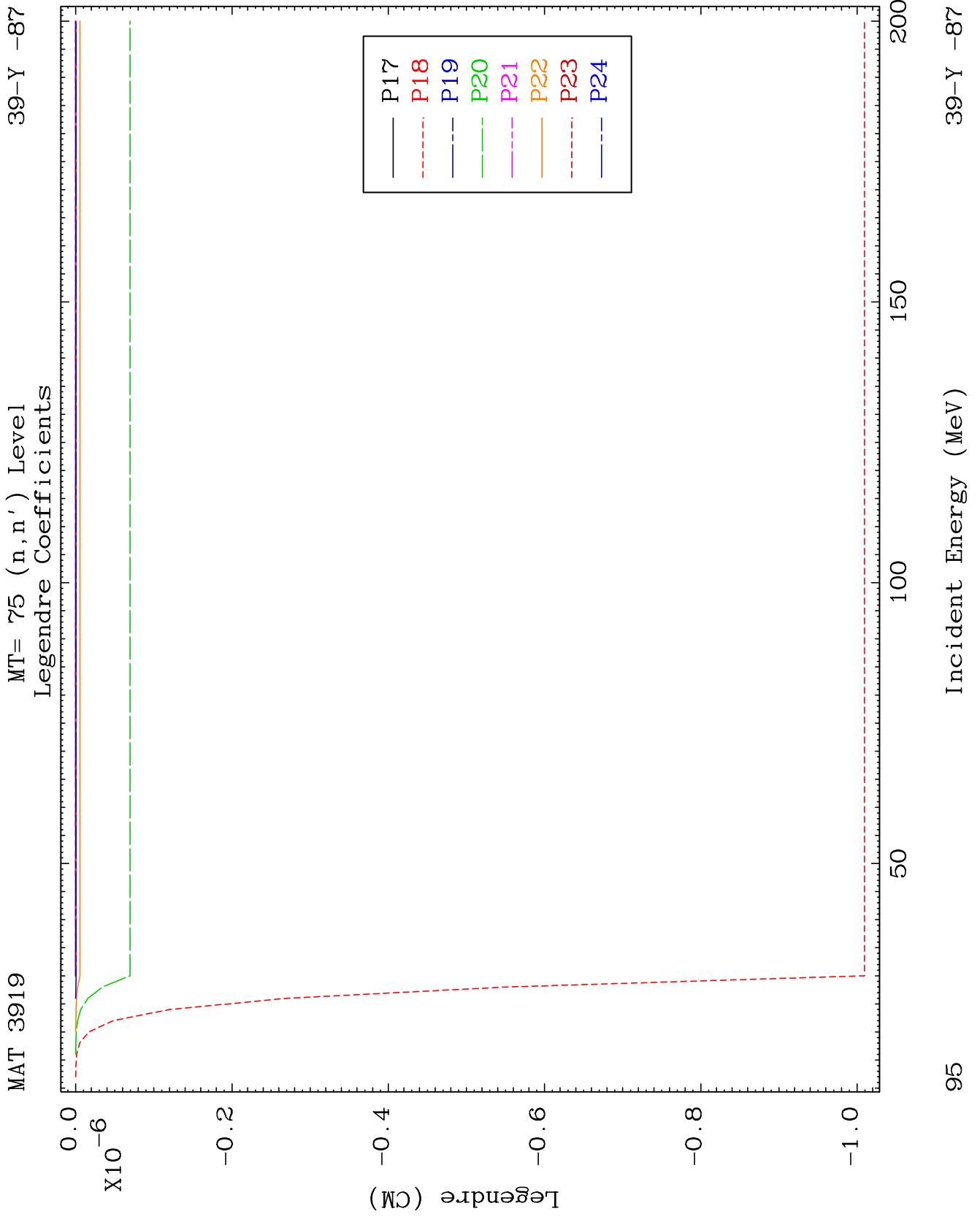
39-Y -87

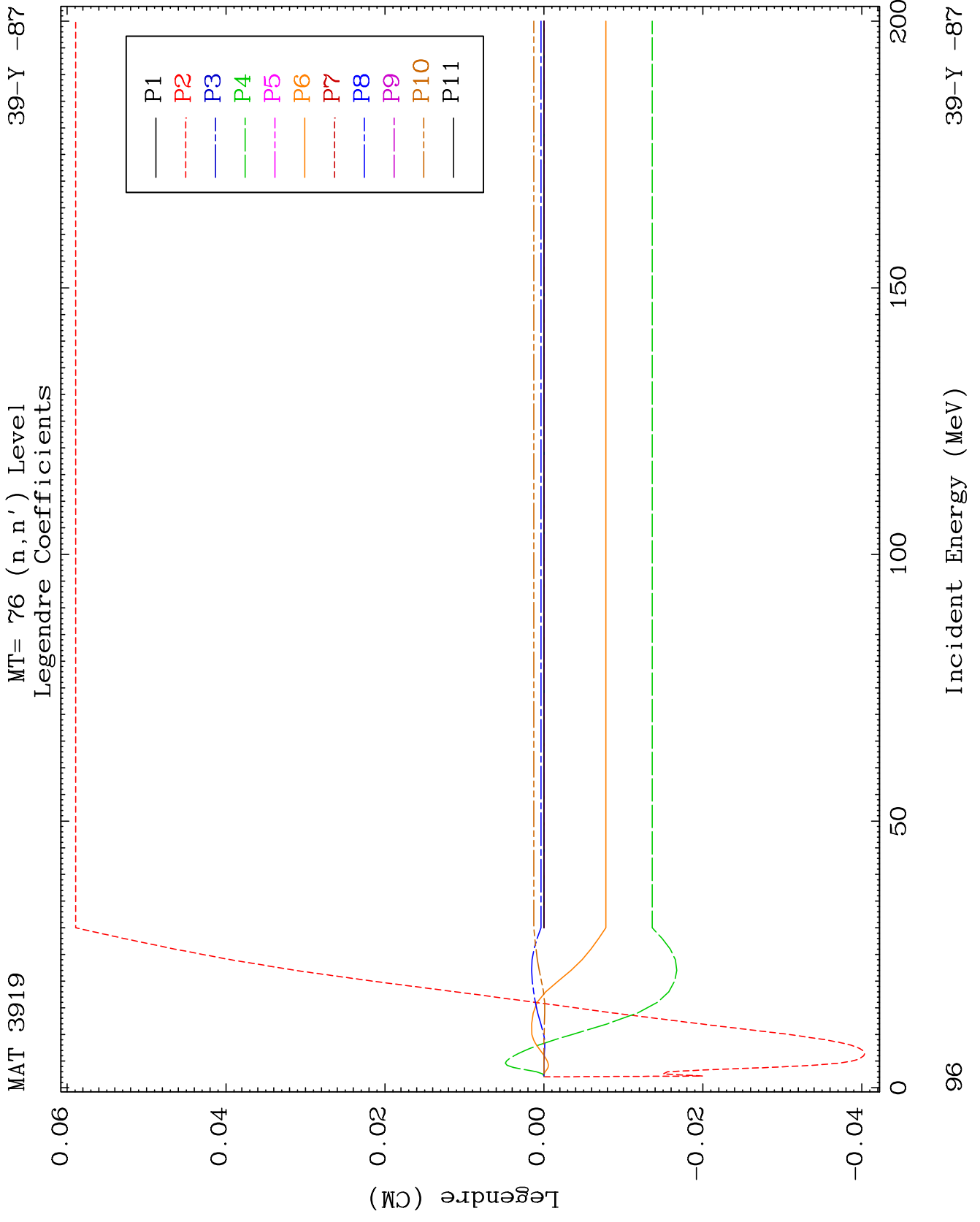


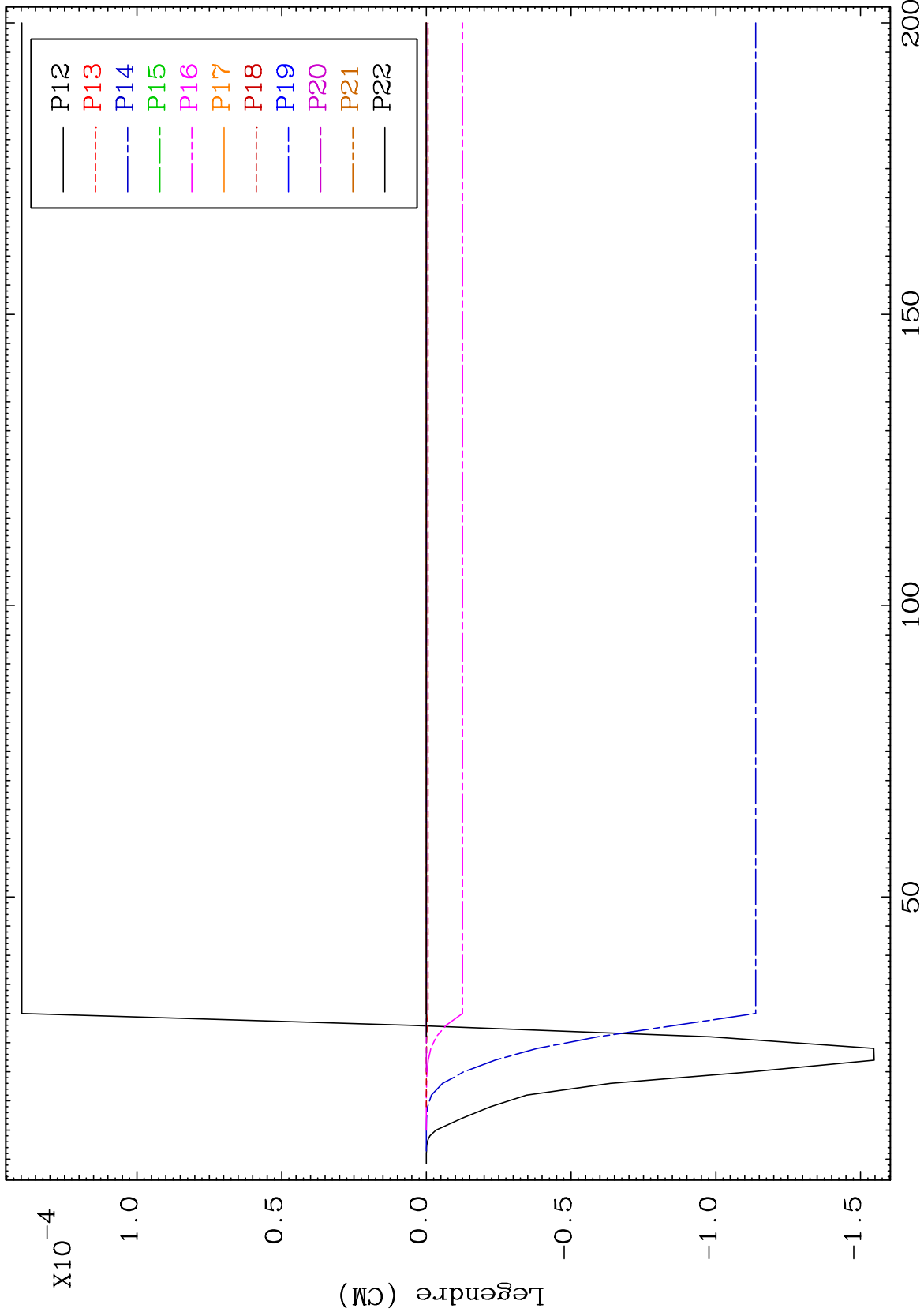
94

Incident Energy (MeV)

39-Y -87



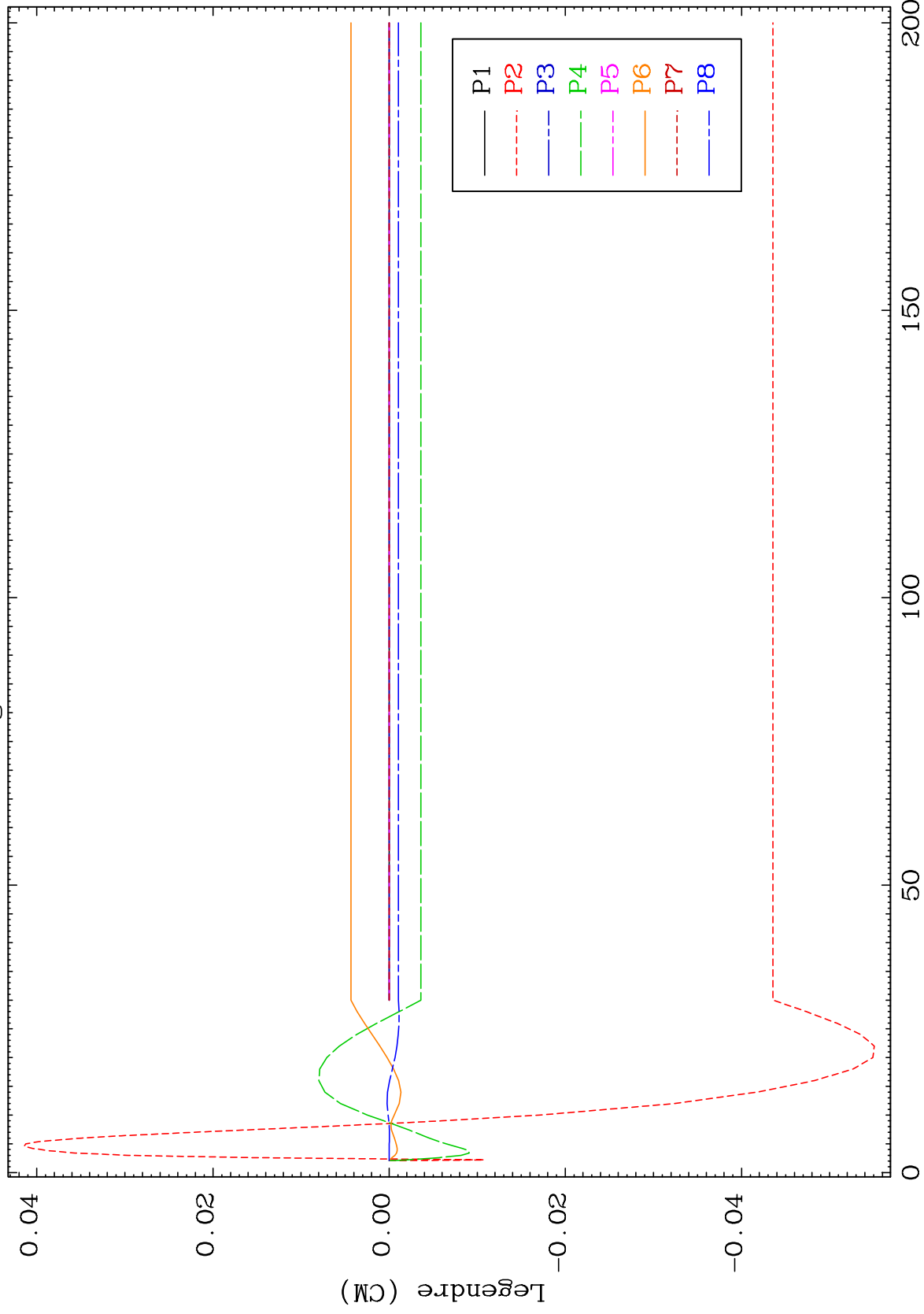




MAT 3919

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

39-Y -87



98

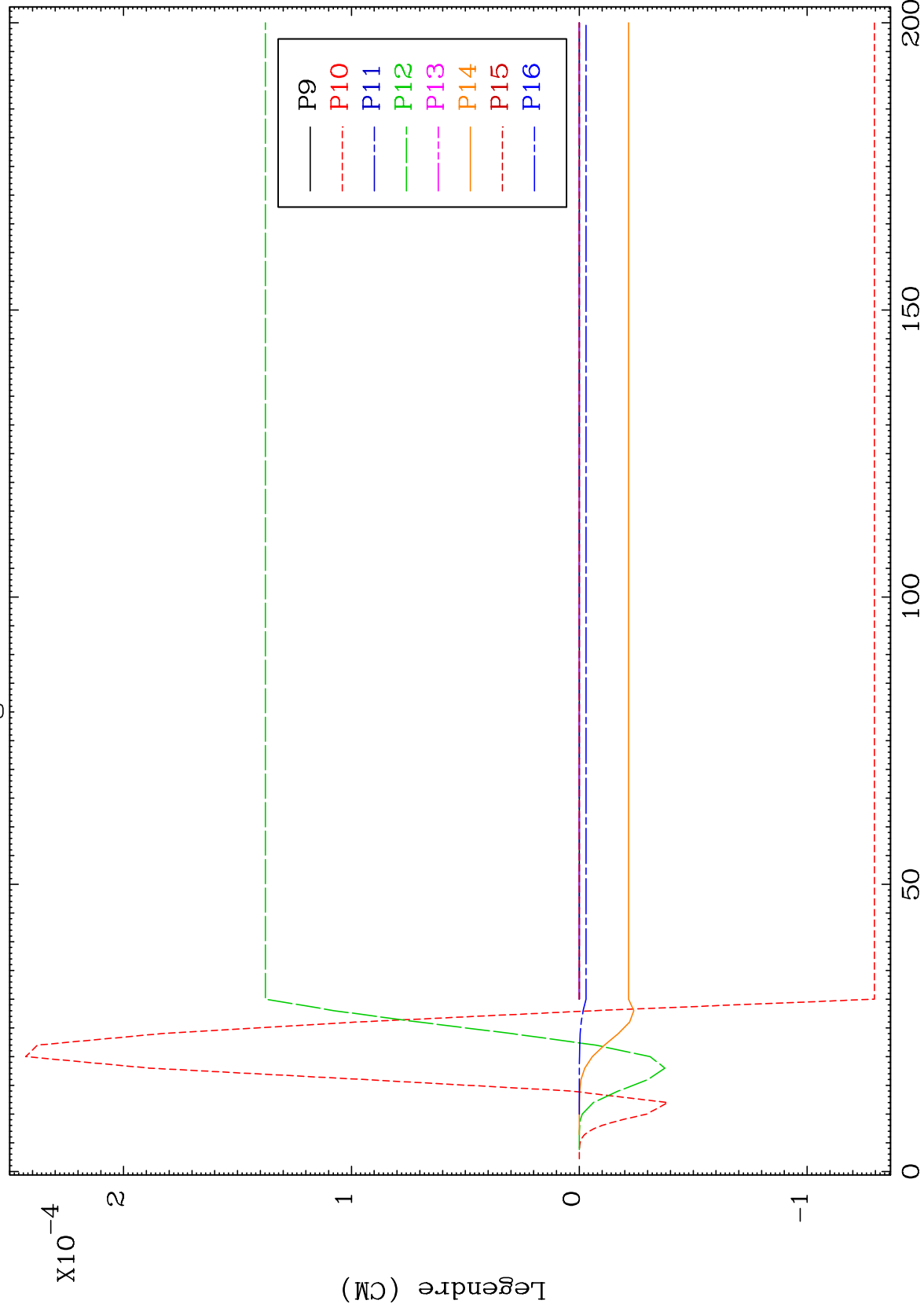
Incident Energy (MeV)

39-Y -87

MAT 3919

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

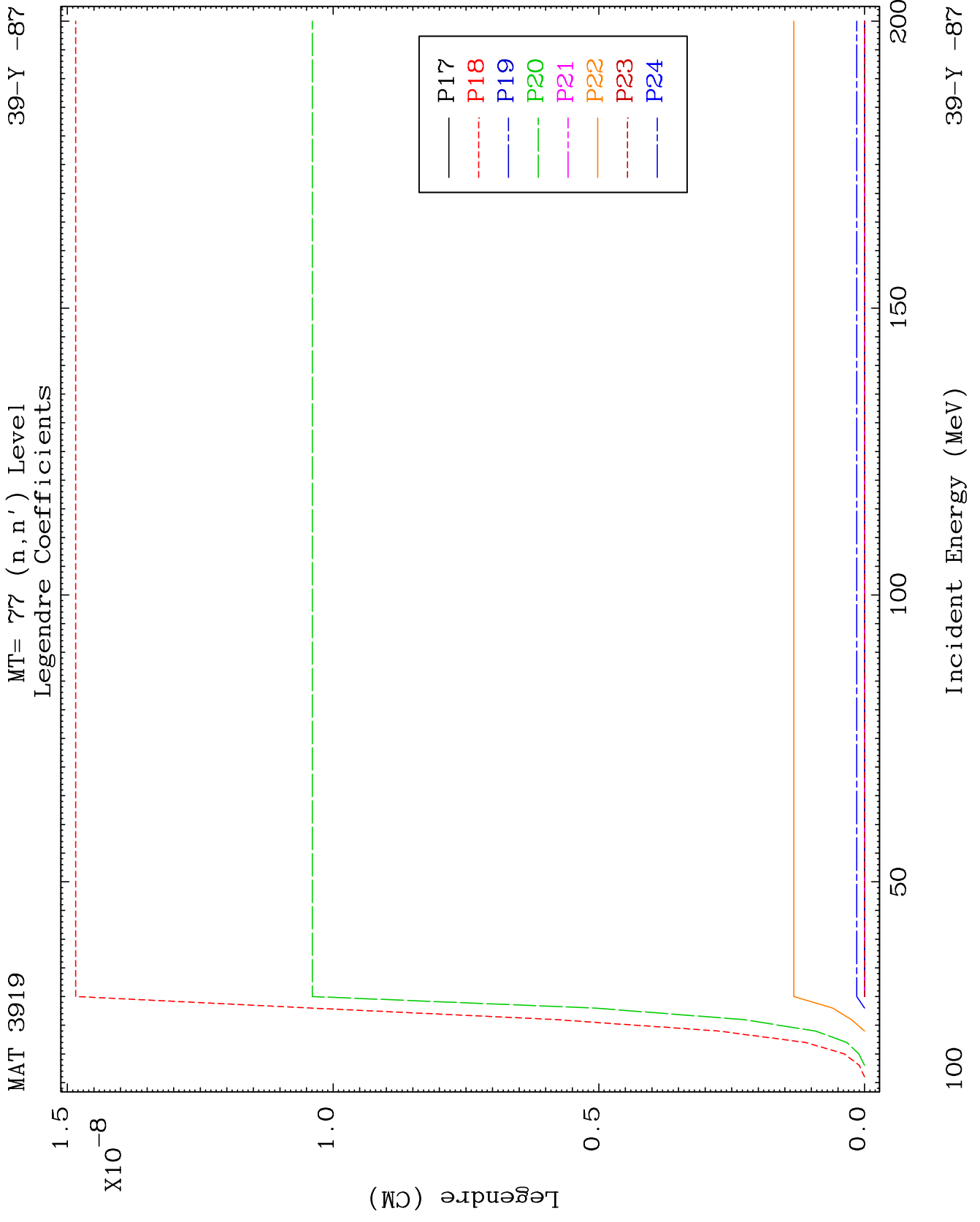
39-Y -87

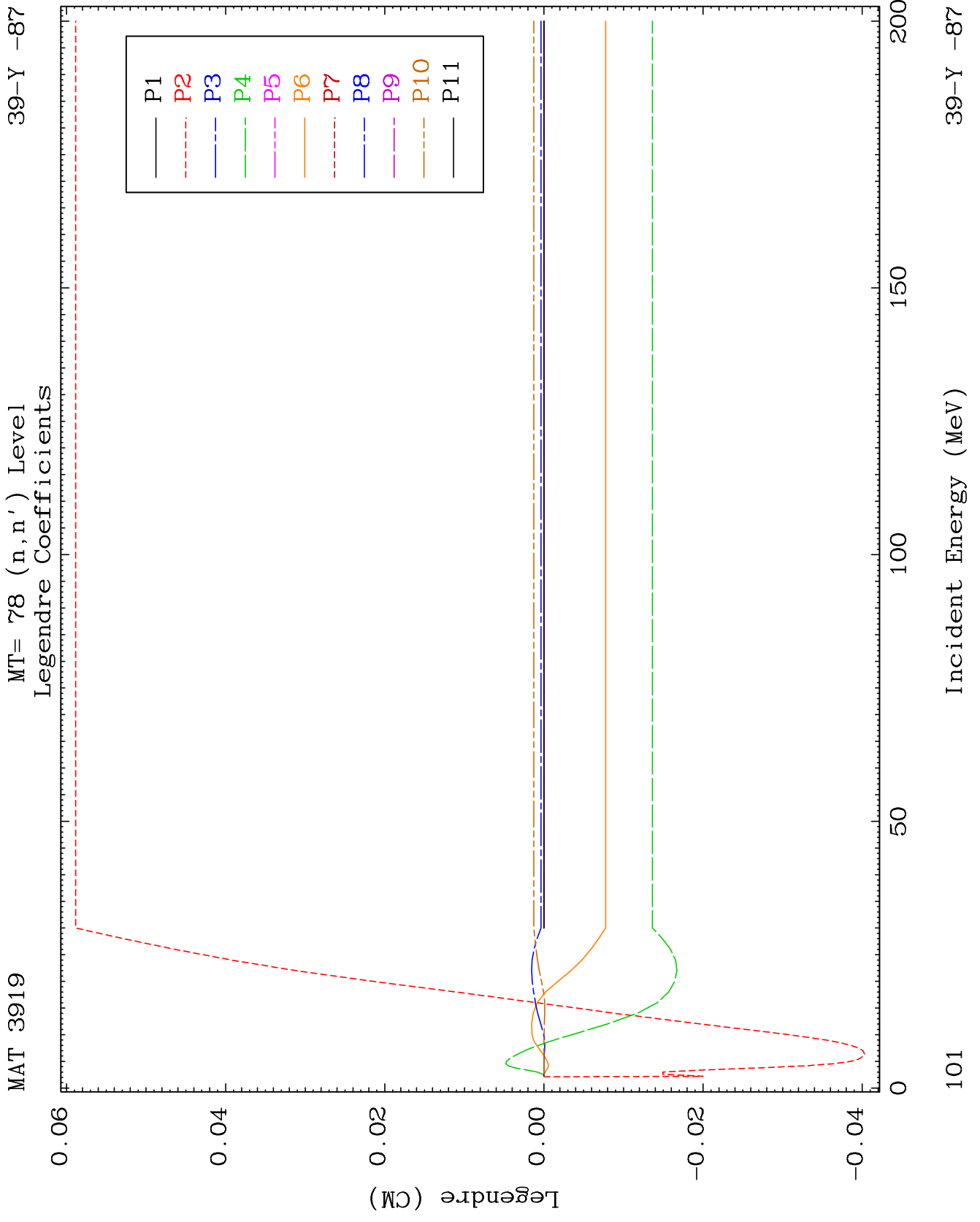


99

Incident Energy (MeV)

39-Y -87

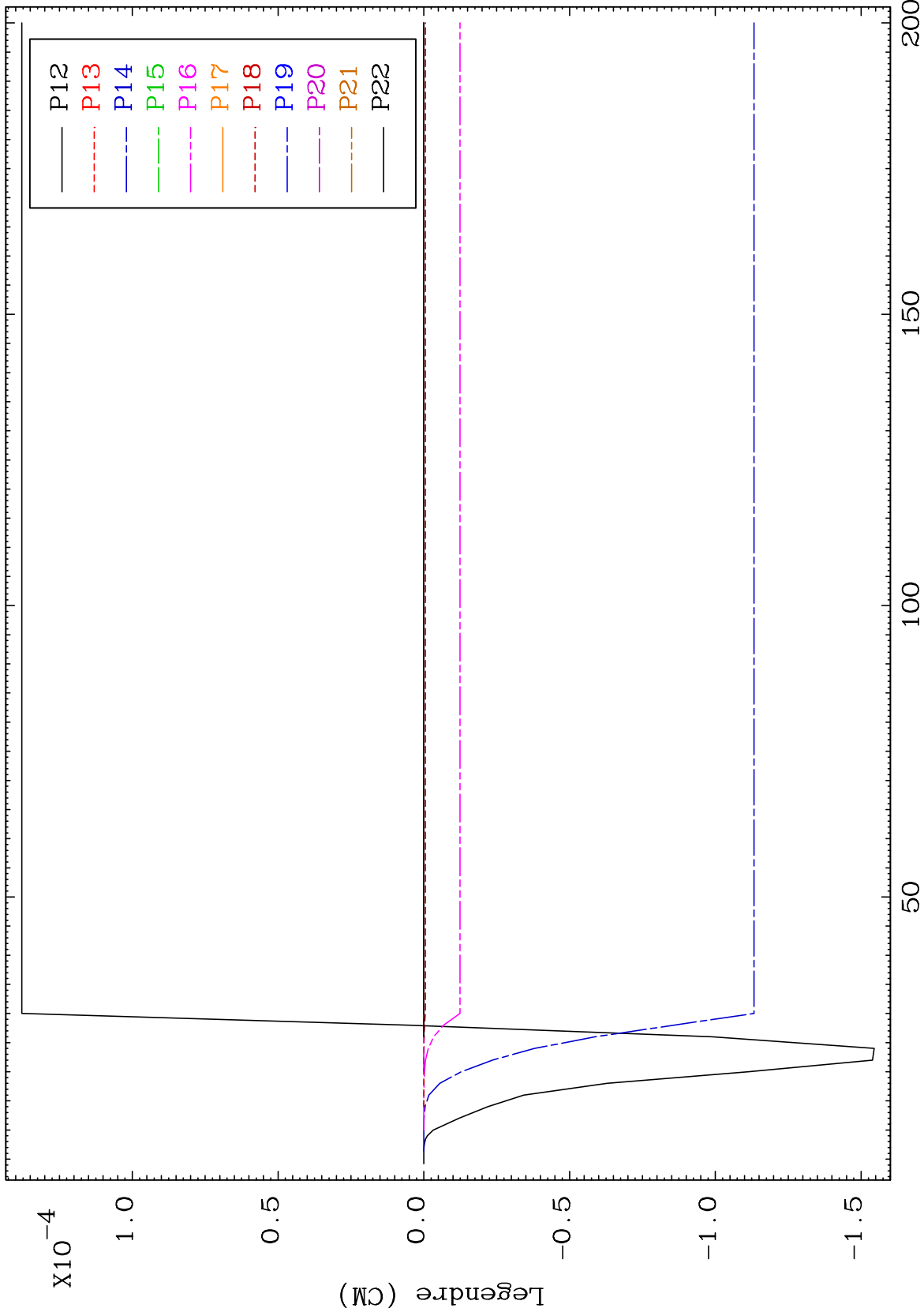




MAT 3919

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

39-Y -87



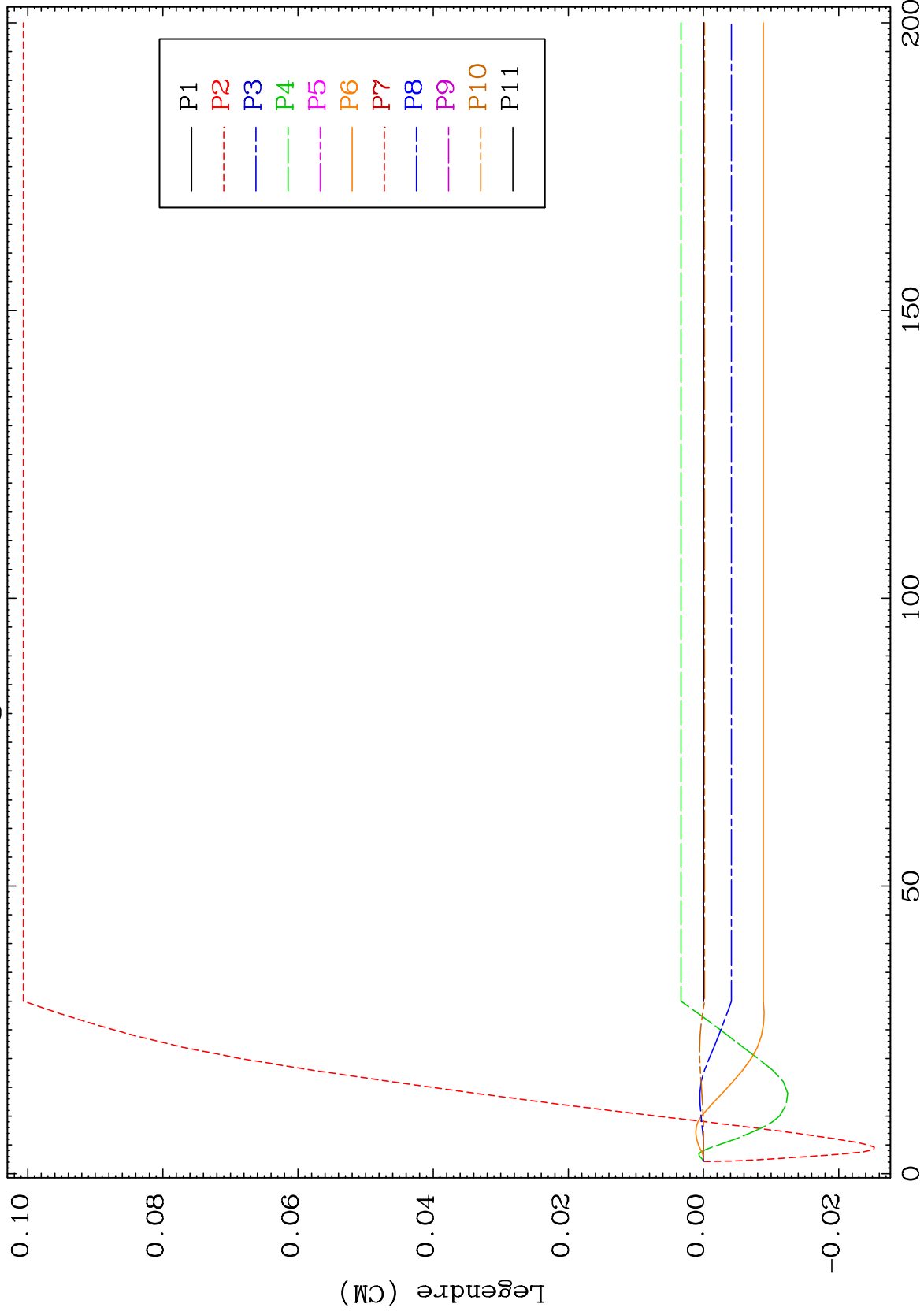
102

39-Y -87

MAT 3919

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

39-Y -87



39-Y -87

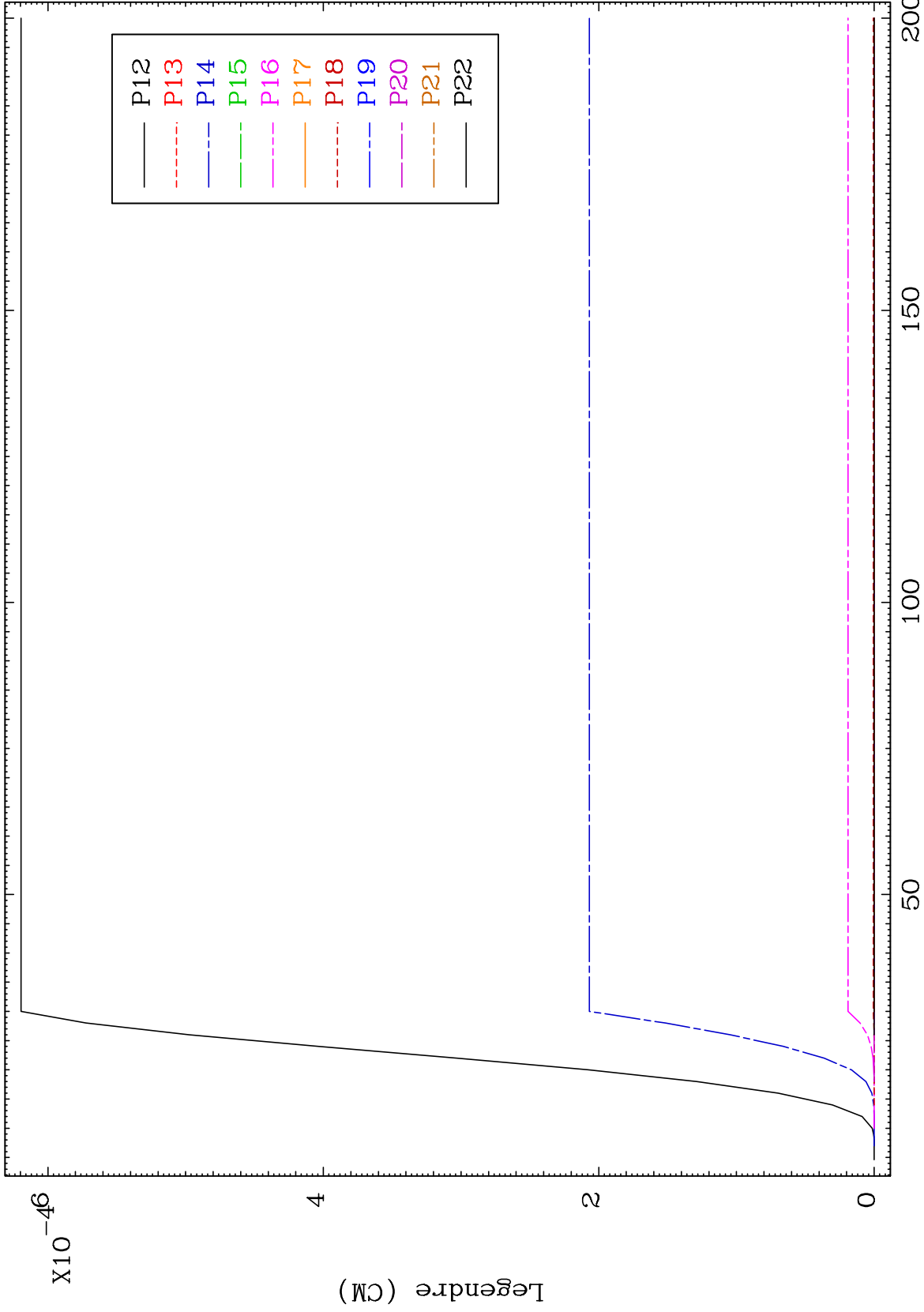
Incident Energy (MeV)

103

MAT 3919

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

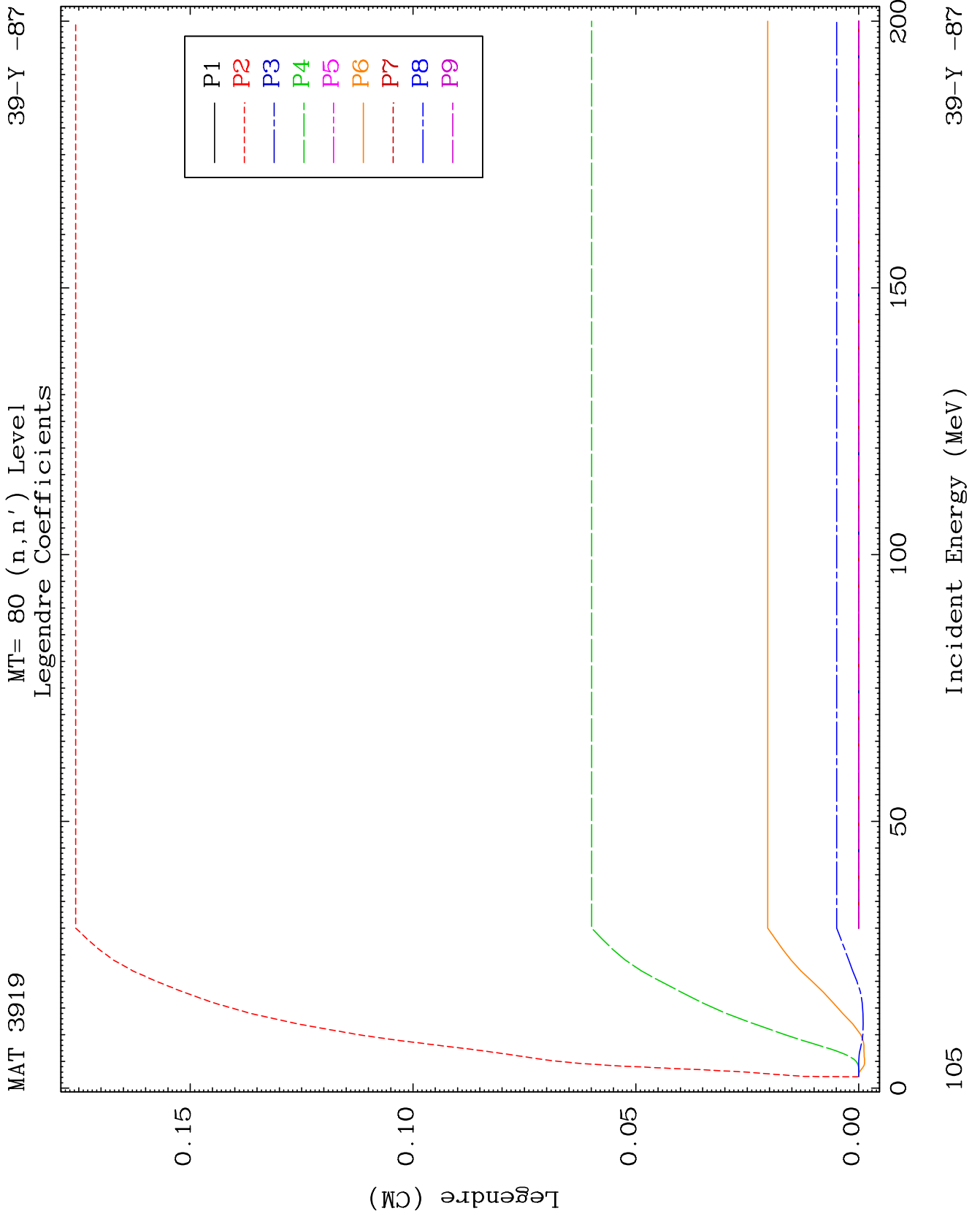
39-Y -87



104

Incident Energy (MeV)

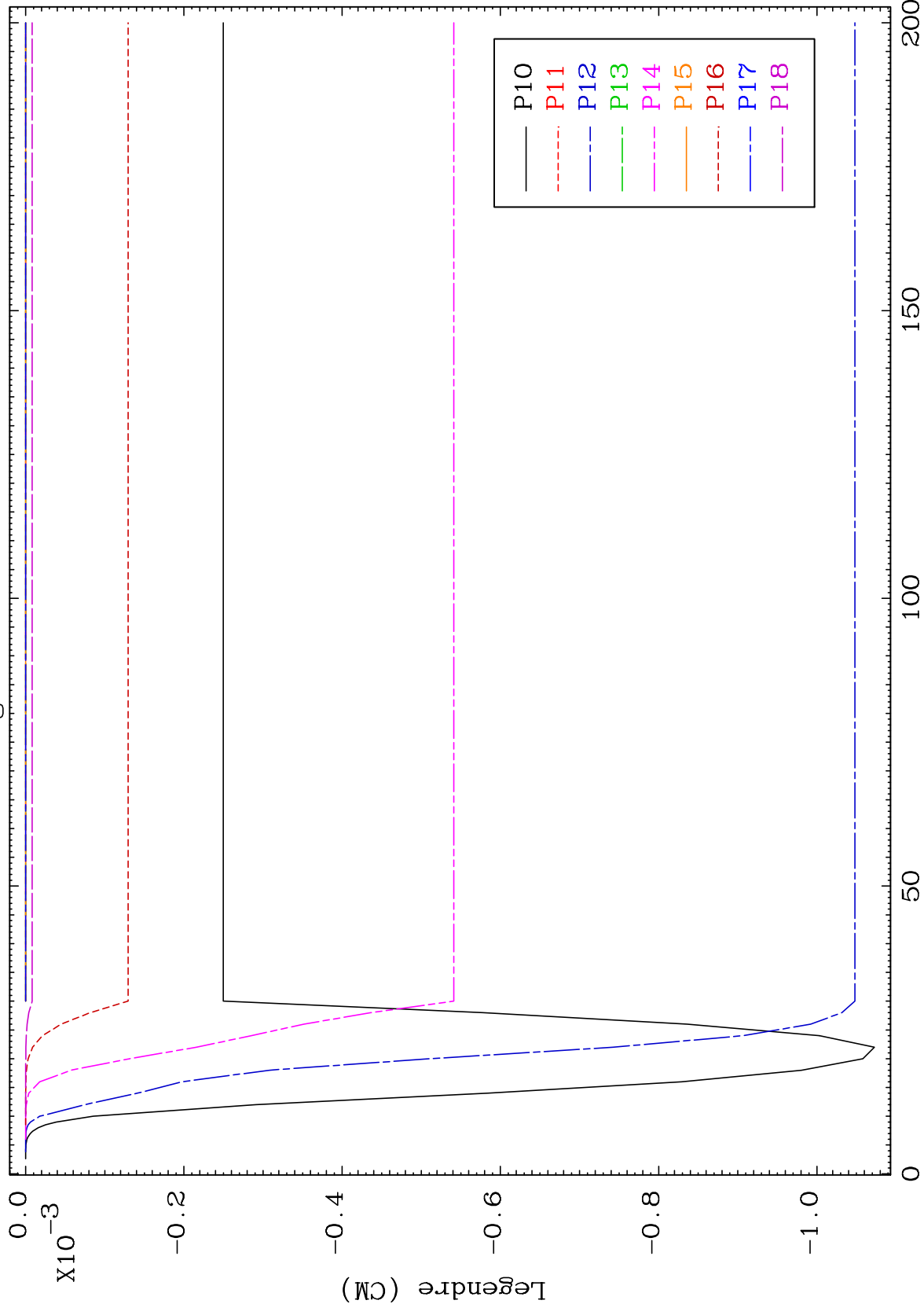
39-Y -87



MAT 3919

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

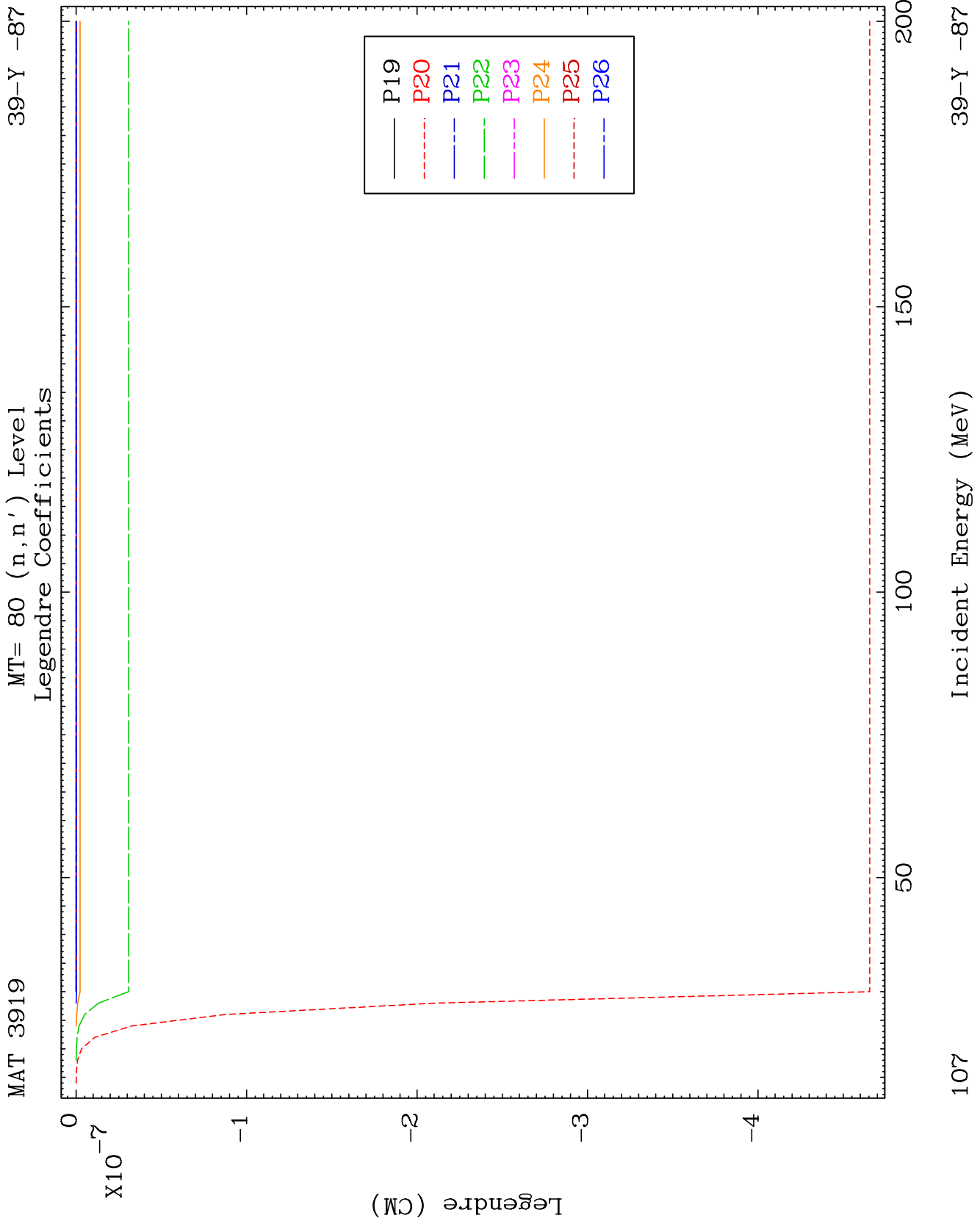
39-Y -87



39-Y -87

Incident Energy (MeV)

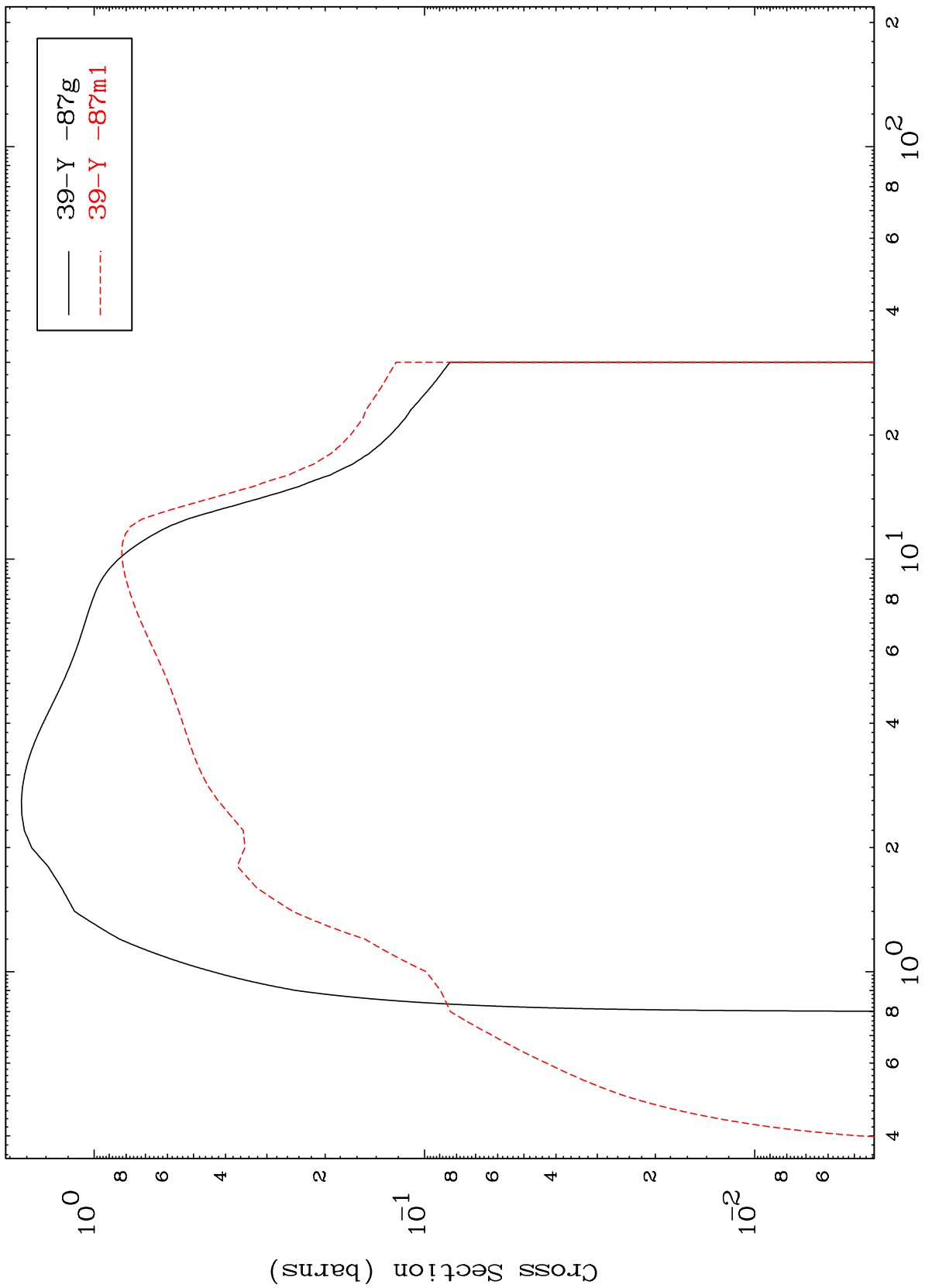
106



MAT 3919

39-Y -87

Inelastic
Radionuclide Production Cross Section



108

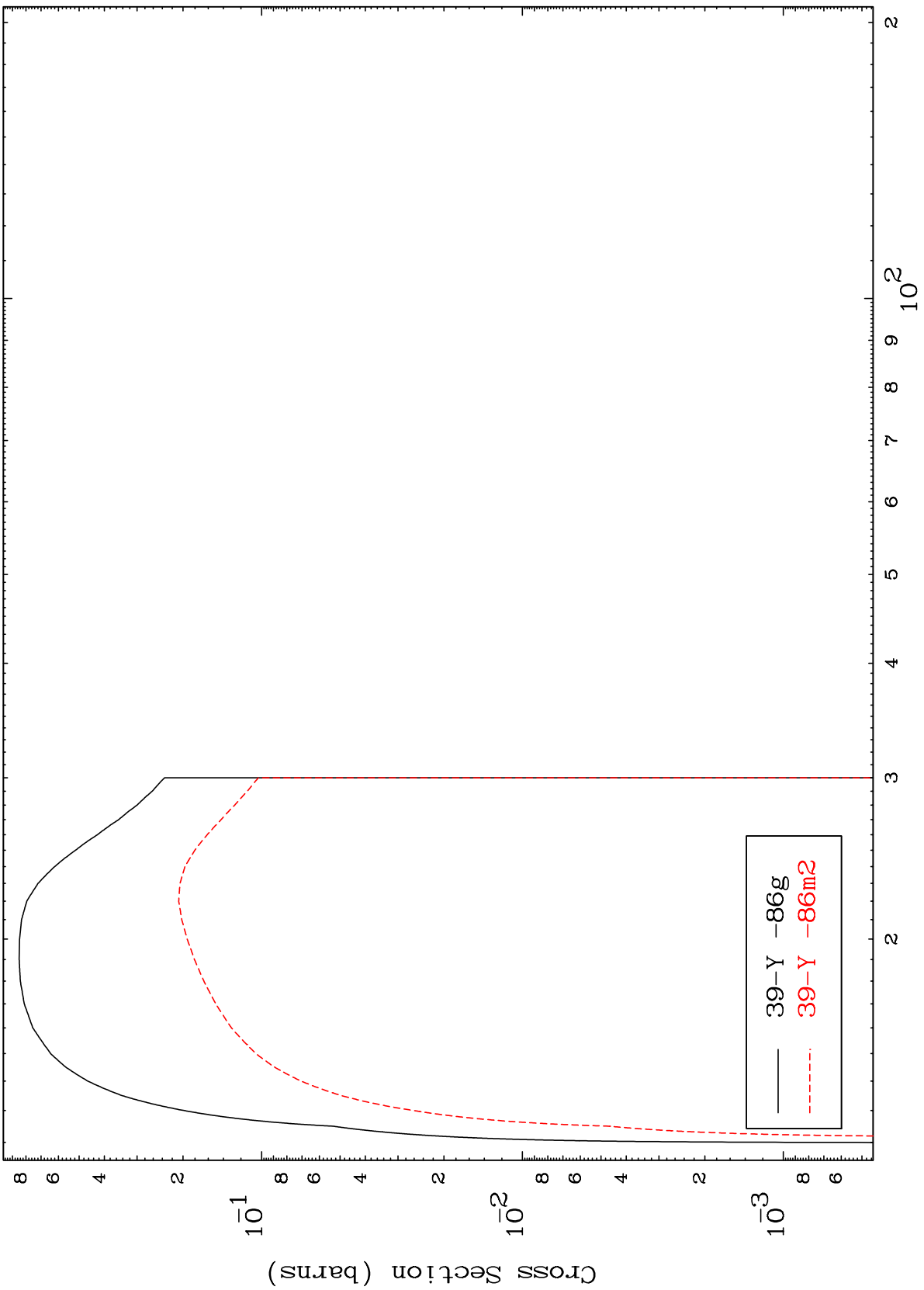
Incident Energy (MeV)

39-Y -87

MAT 3919

39-Y -87

Radionuclide Production Cross Section
(n,2n)



109

Incident Energy (MeV)

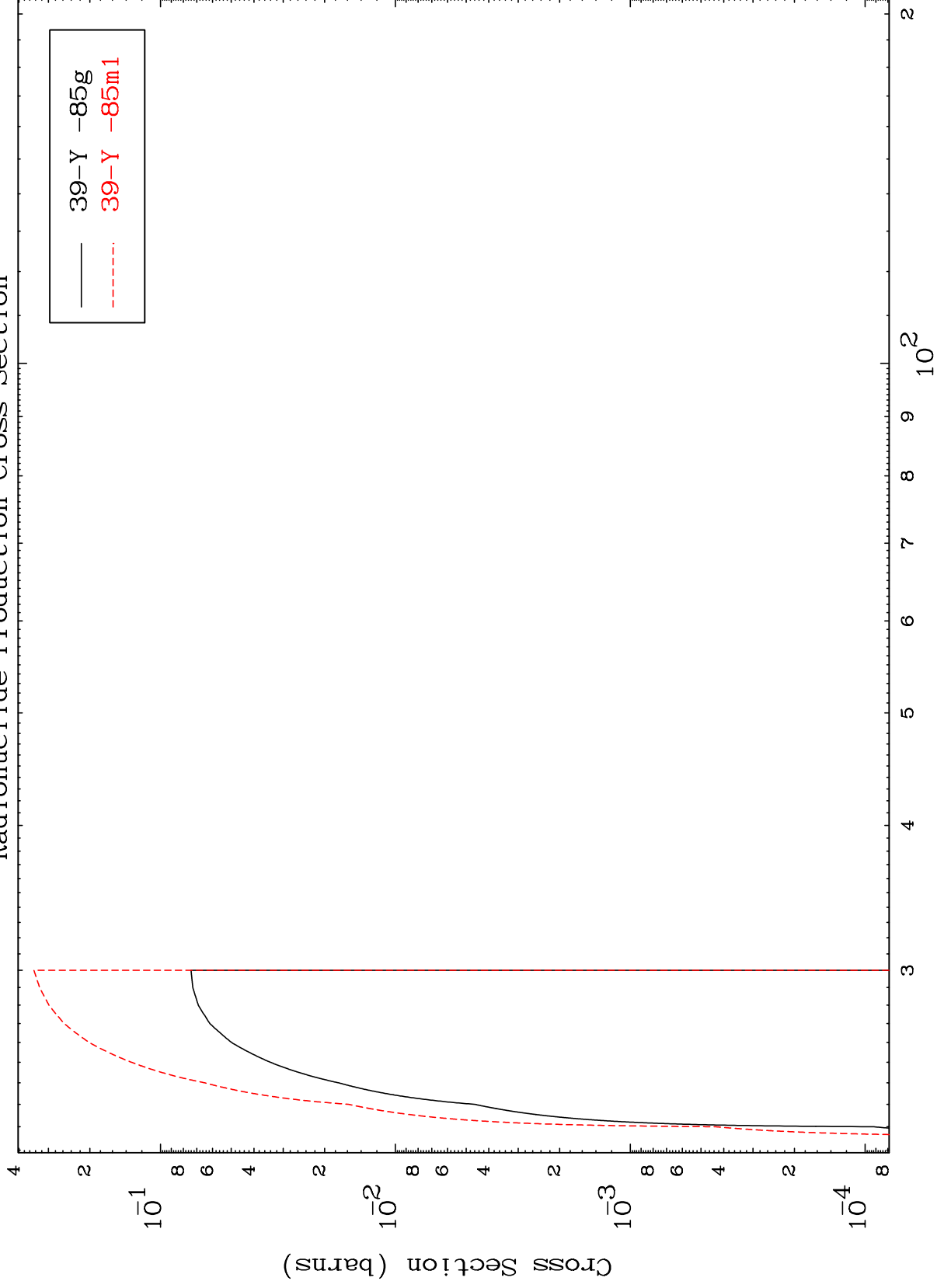
39-Y -87

MAT 3919

(n,3n)

39-Y -87

Radionuclide Production Cross Section



110

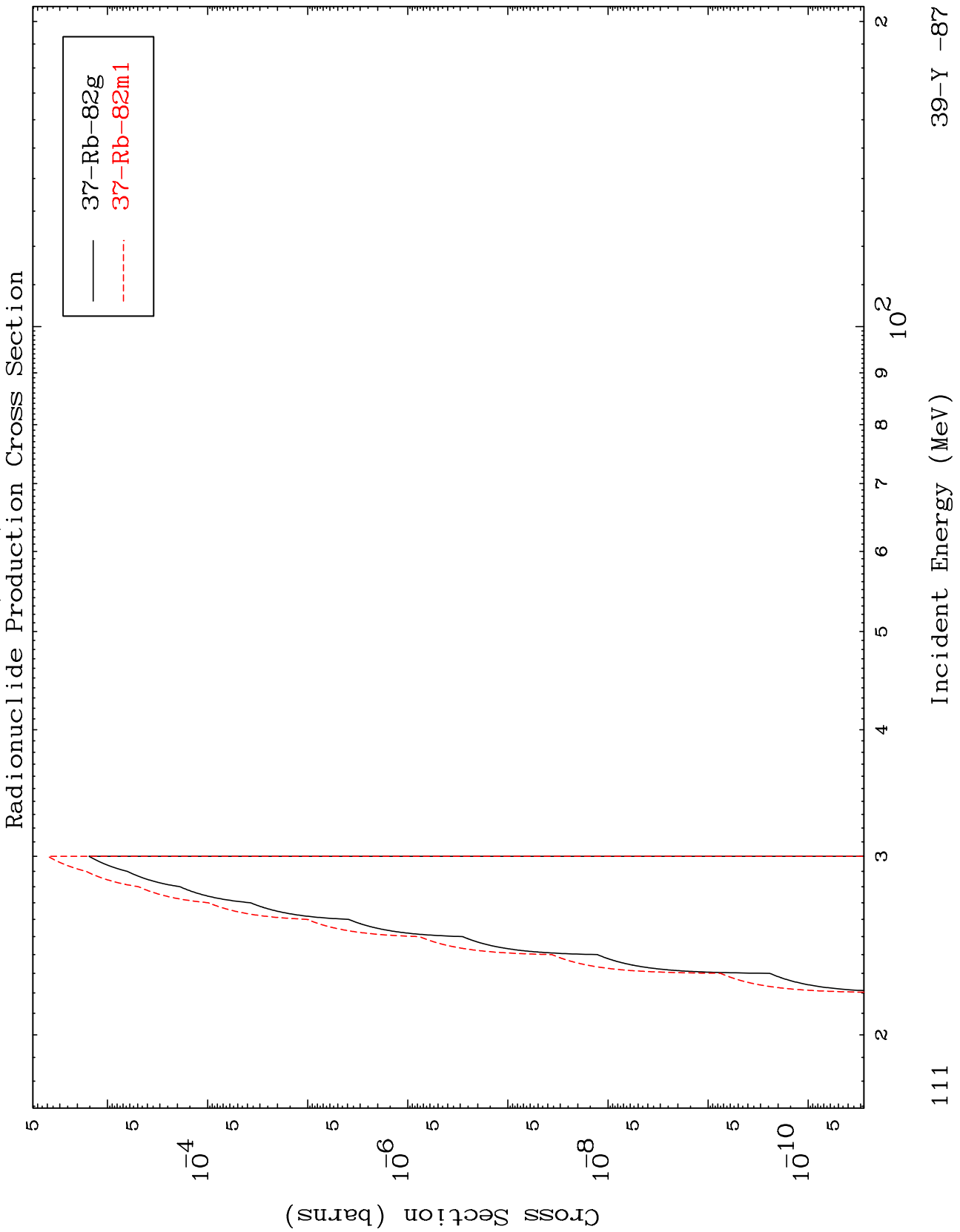
Incident Energy (MeV)

39-Y -87

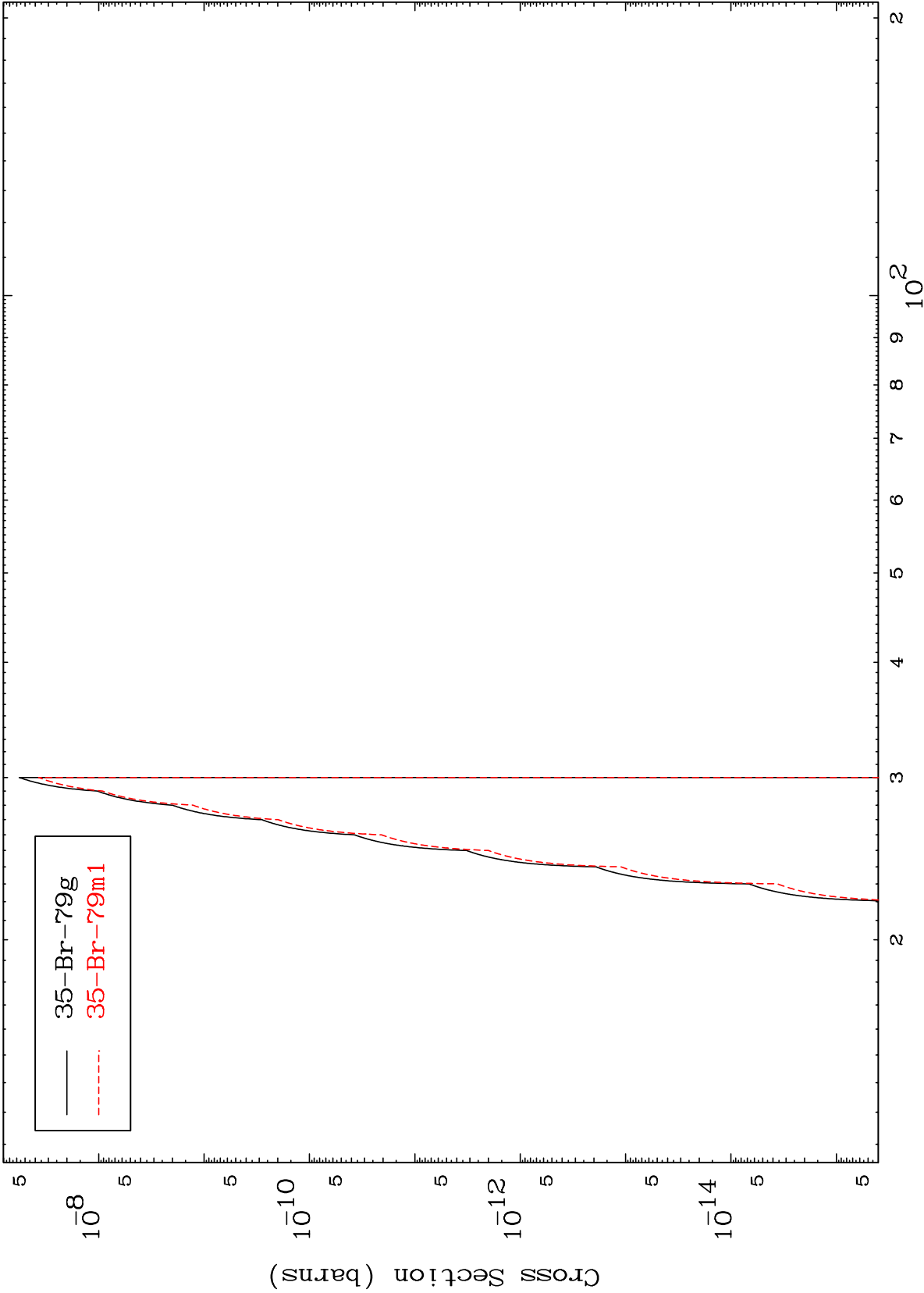
MAT 3919

(n,2n) α

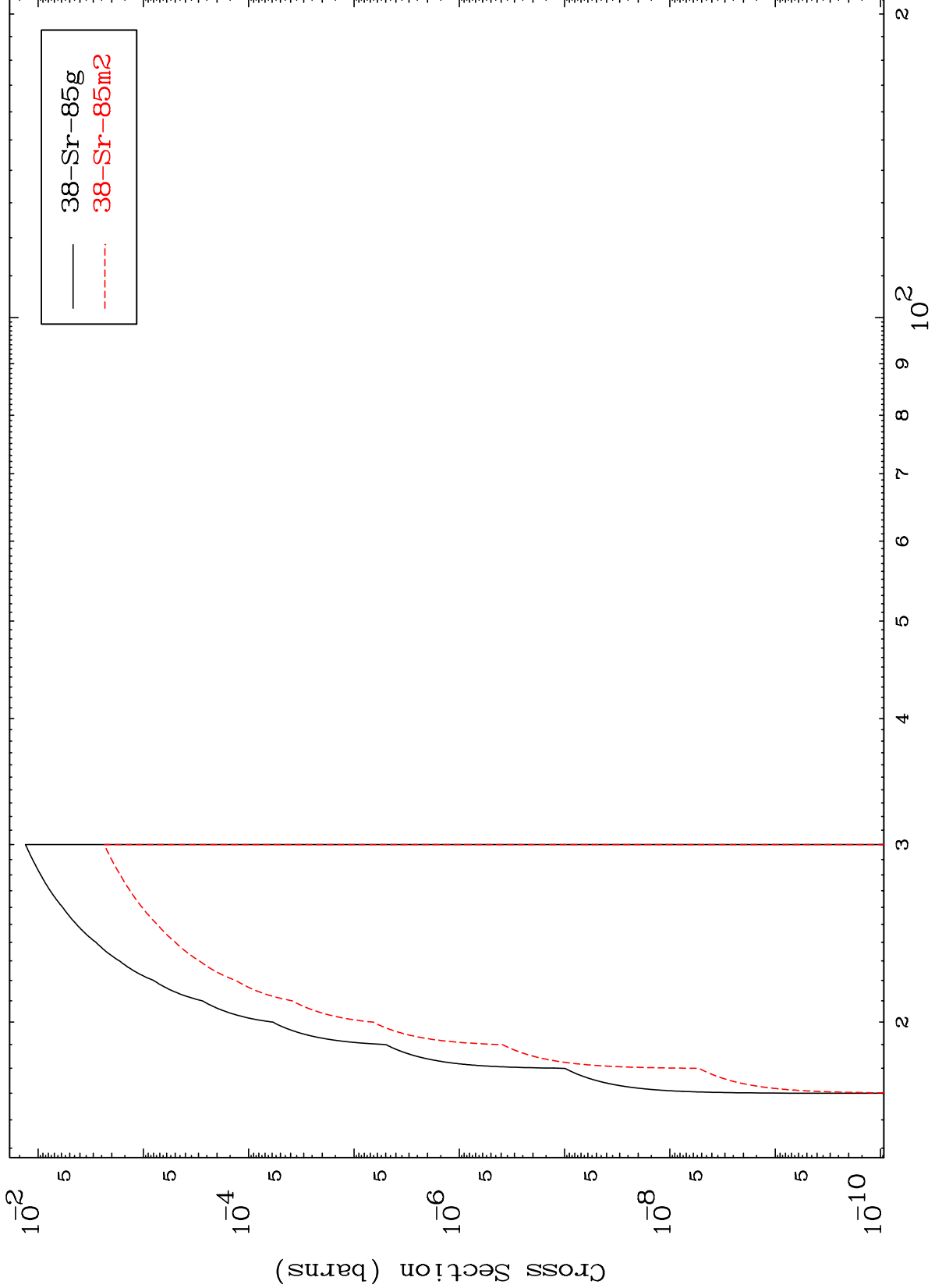
39-Y -87



Radionuclide Production Cross Section



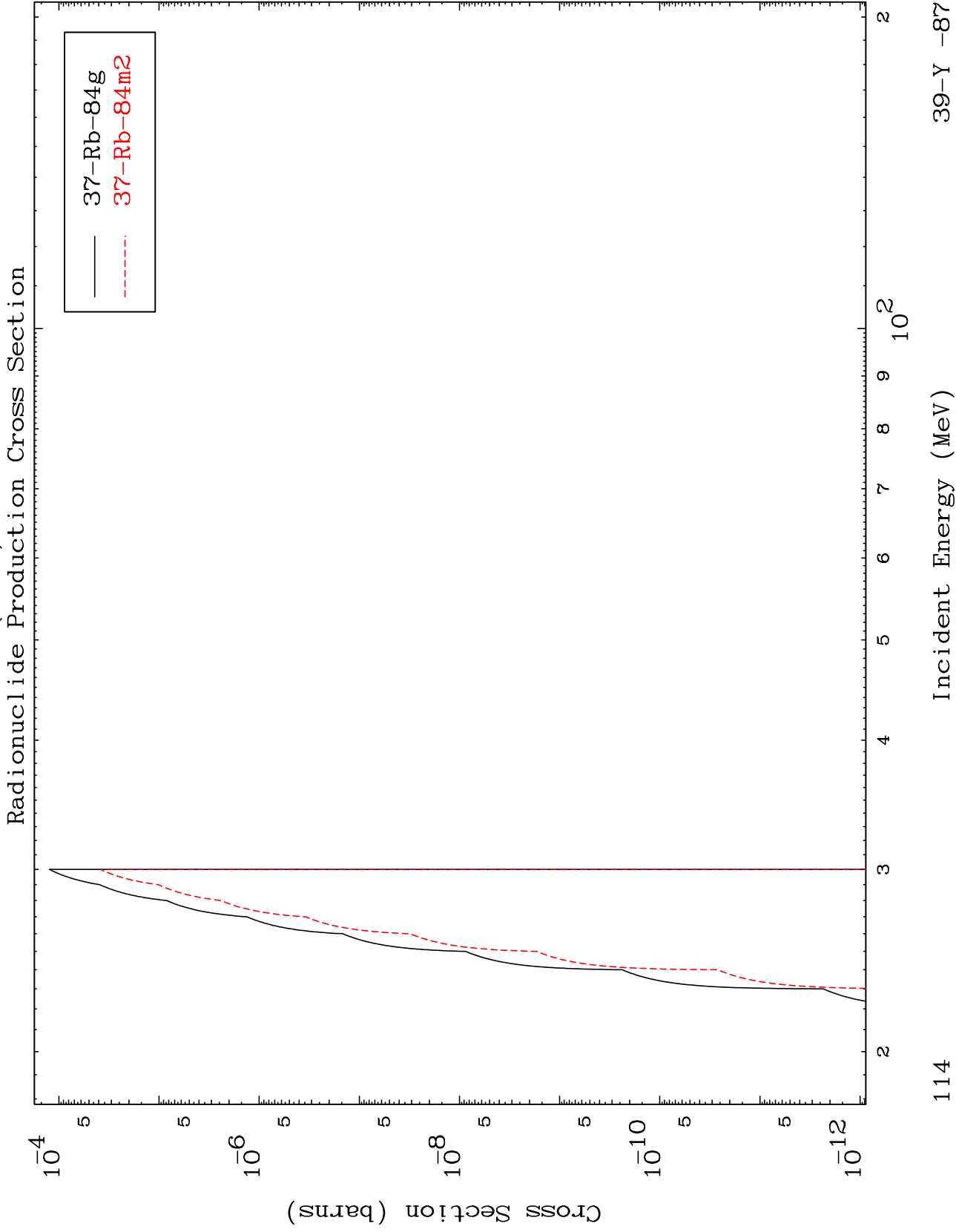
Radionuclide Production Cross Section



MAT 3919

(n,n') He-3

39-Y -87

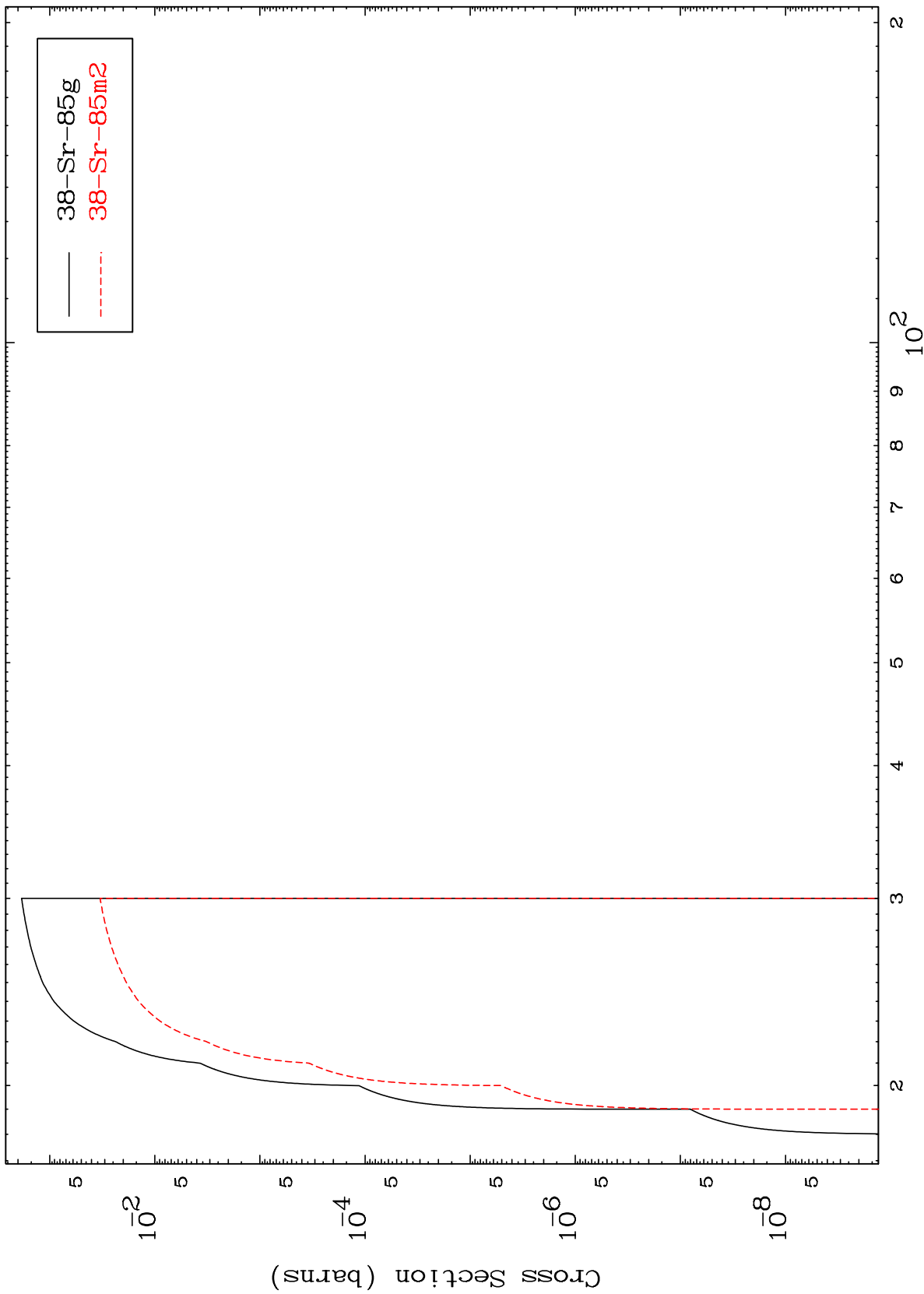


114

Incident Energy (MeV)

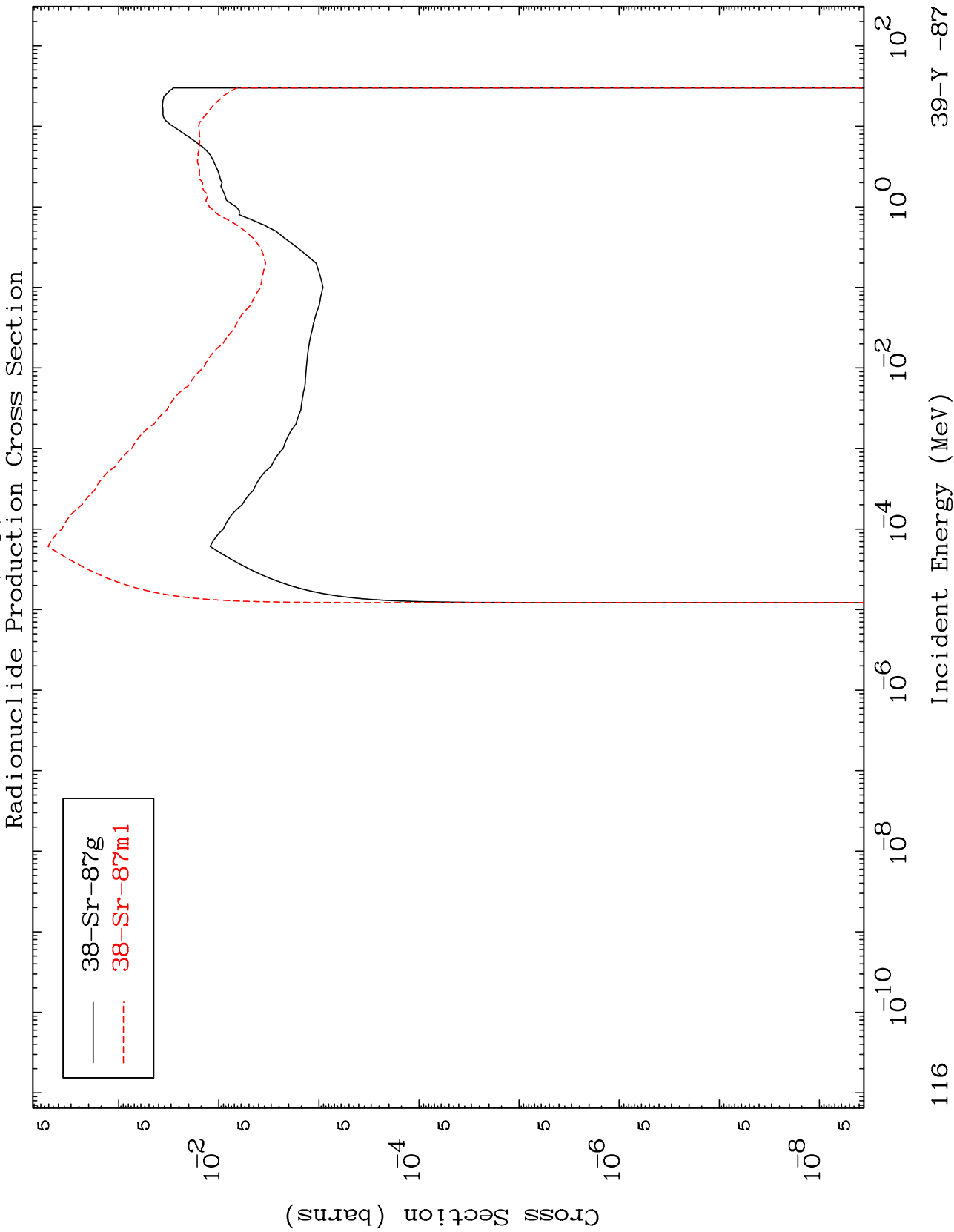
39-Y -87

Radionuclide Production Cross Section



MAT 3919

39-Y -87

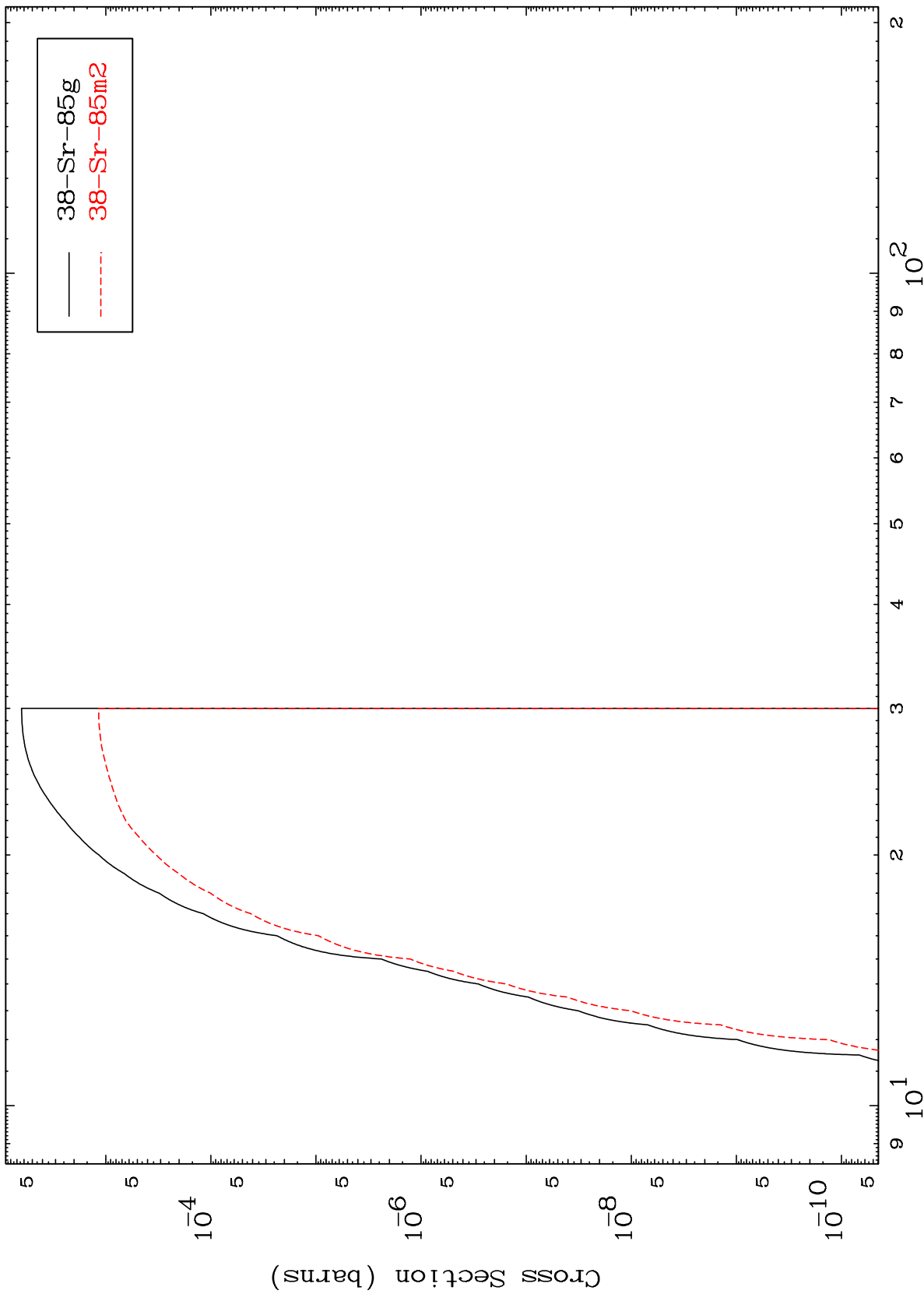


— 38-Sr-87g
- - - 38-Sr-87m1

MAT 3919

39-Y -87

(n,t)
Radionuclide Production Cross Section



Incident Energy (MeV)

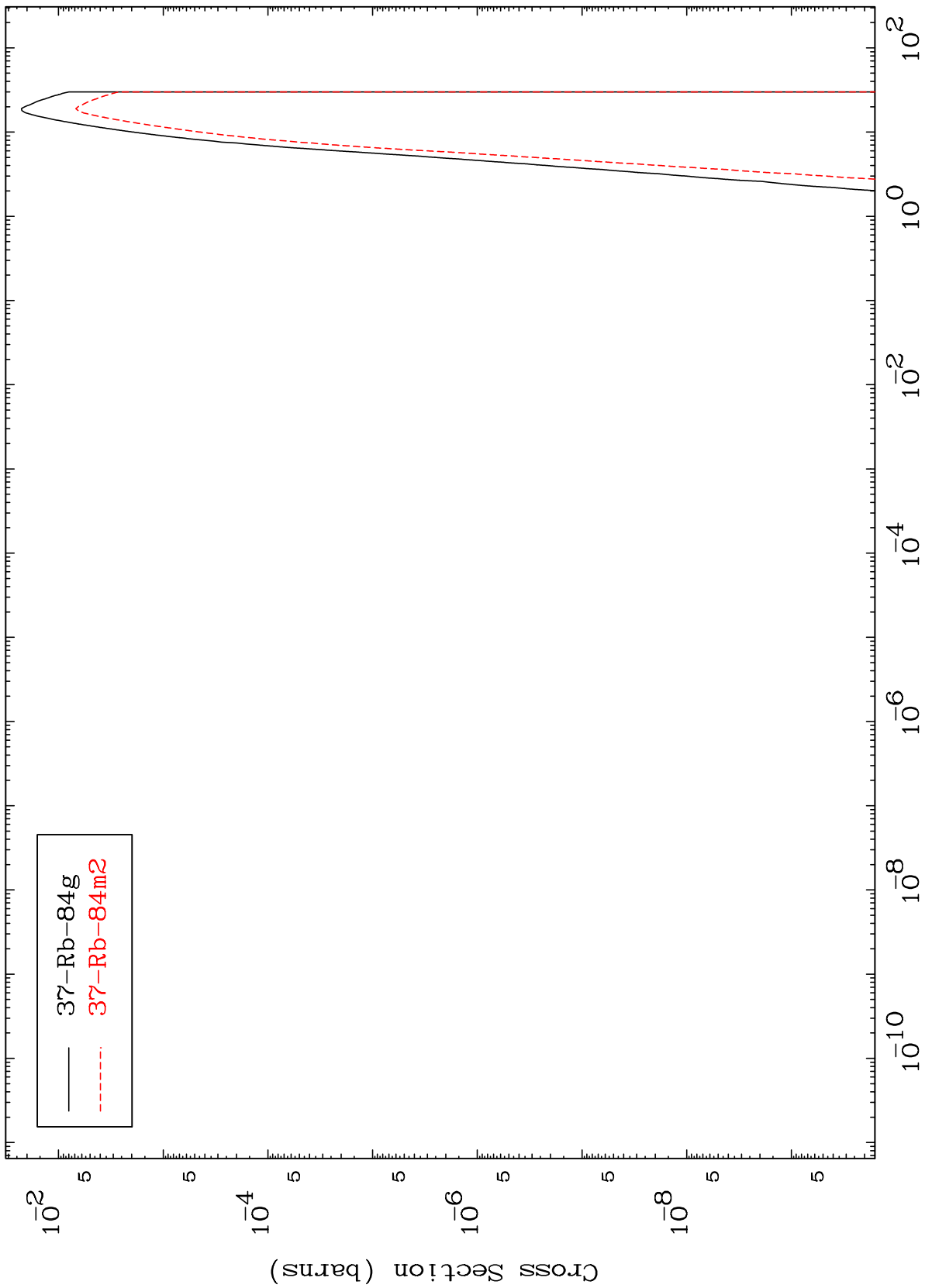
39-Y -87

117

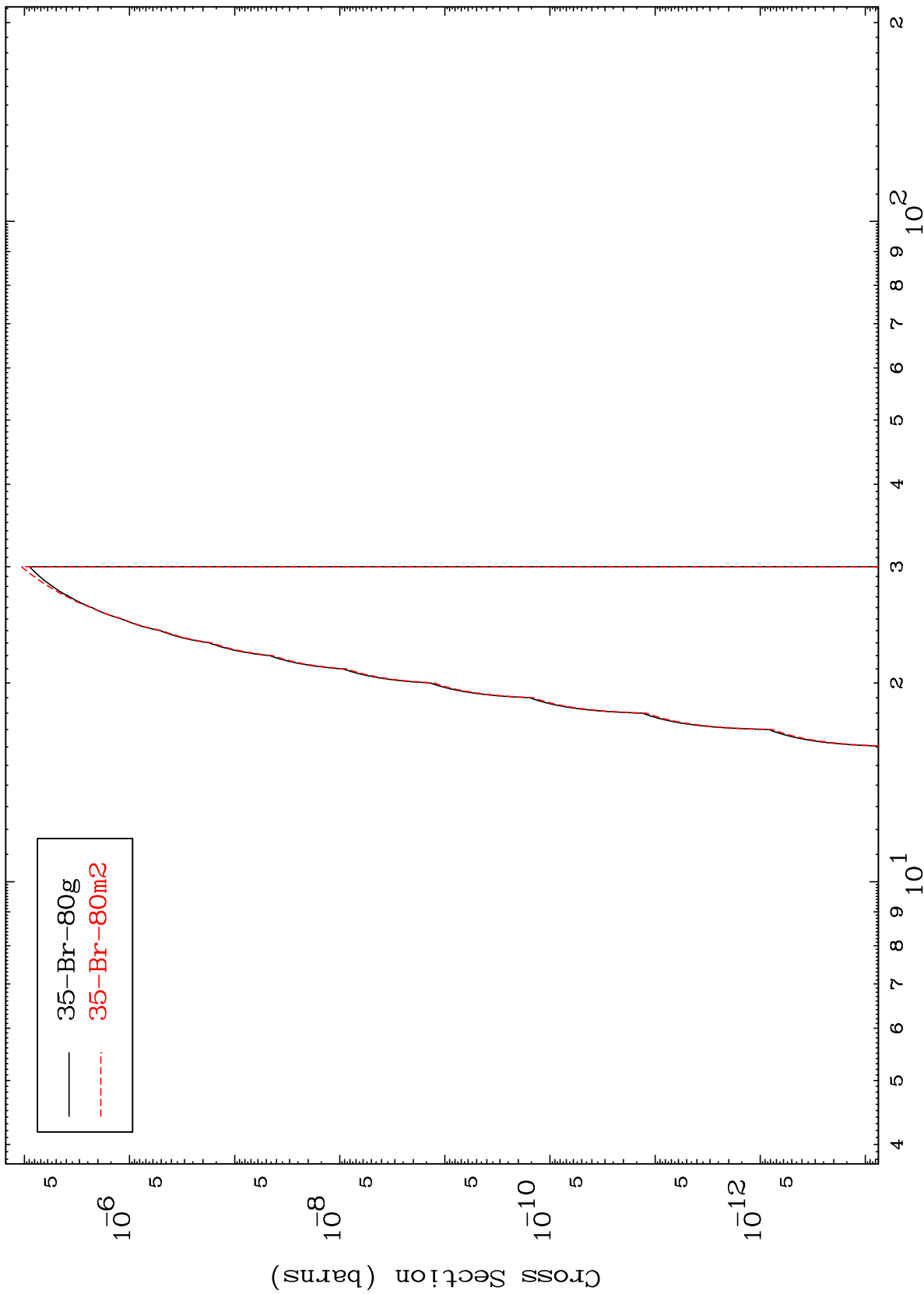
MAT 3919

39-Y -87

Radionuclide Production Cross Section (n,α)



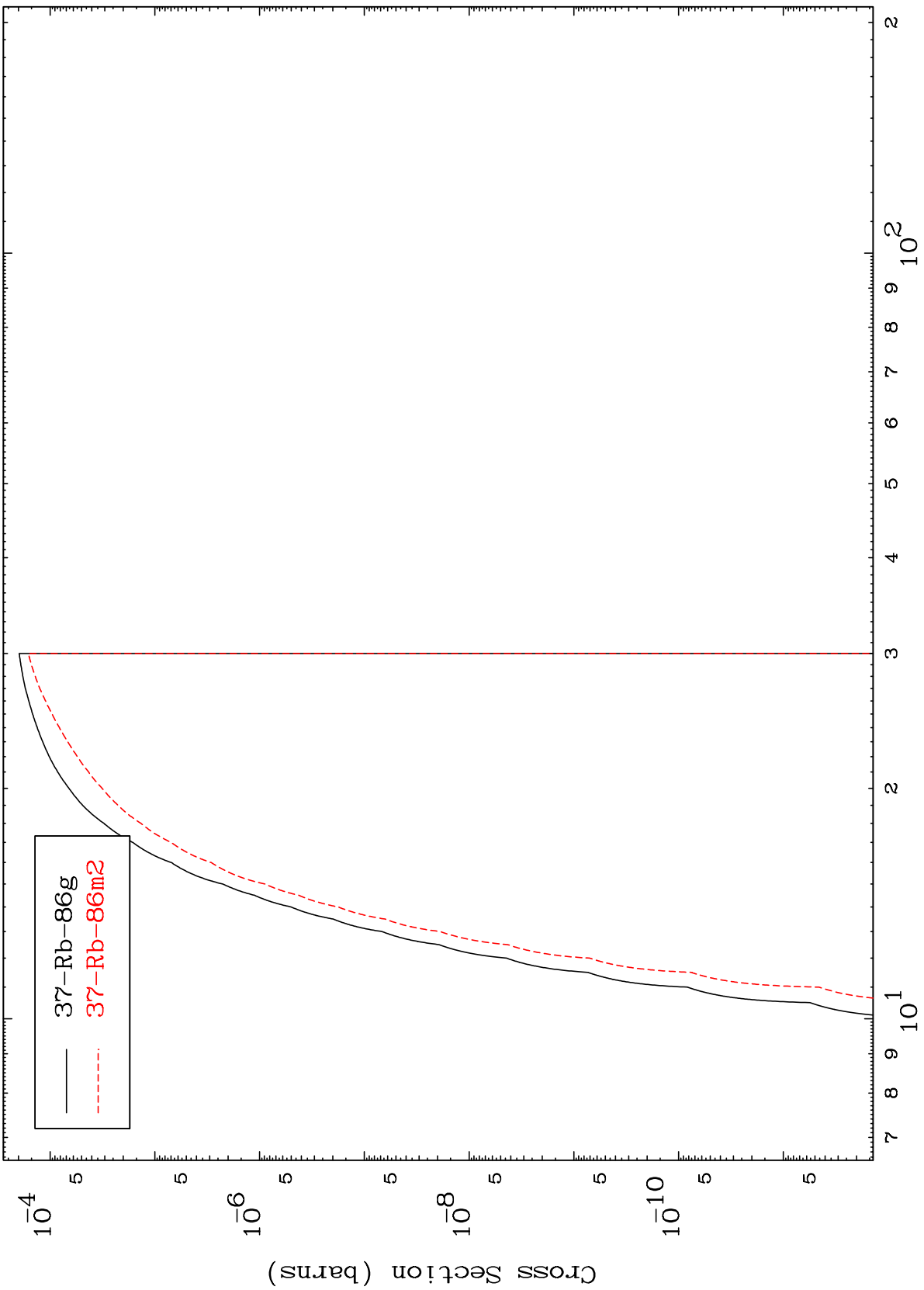
Radionuclide Production Cross Section
(n,2α)



MAT 3919

39-Y -87

Radionuclide Production Cross Section
(n,2p)



120

Incident Energy (MeV)

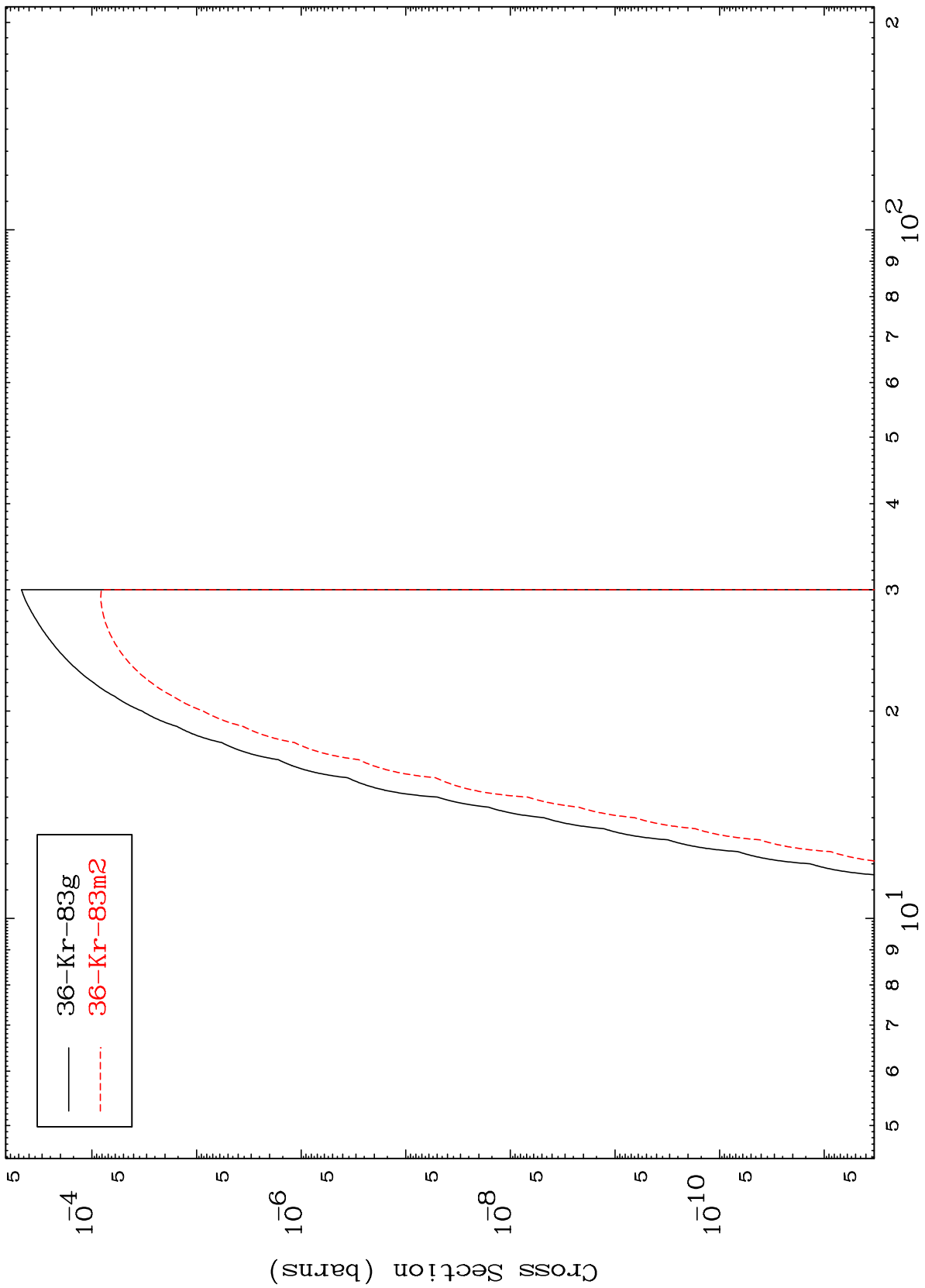
39-Y -87

MAT 3919

(n,p) α

39-Y -87

Radionuclide Production Cross Section



— 36-Kr-83g
- - - 36-Kr-83m2

121

Incident Energy (MeV)

39-Y -87

Radionuclide Production Cross Section

