

Program EVALPLOT
(Version 2017-1)

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

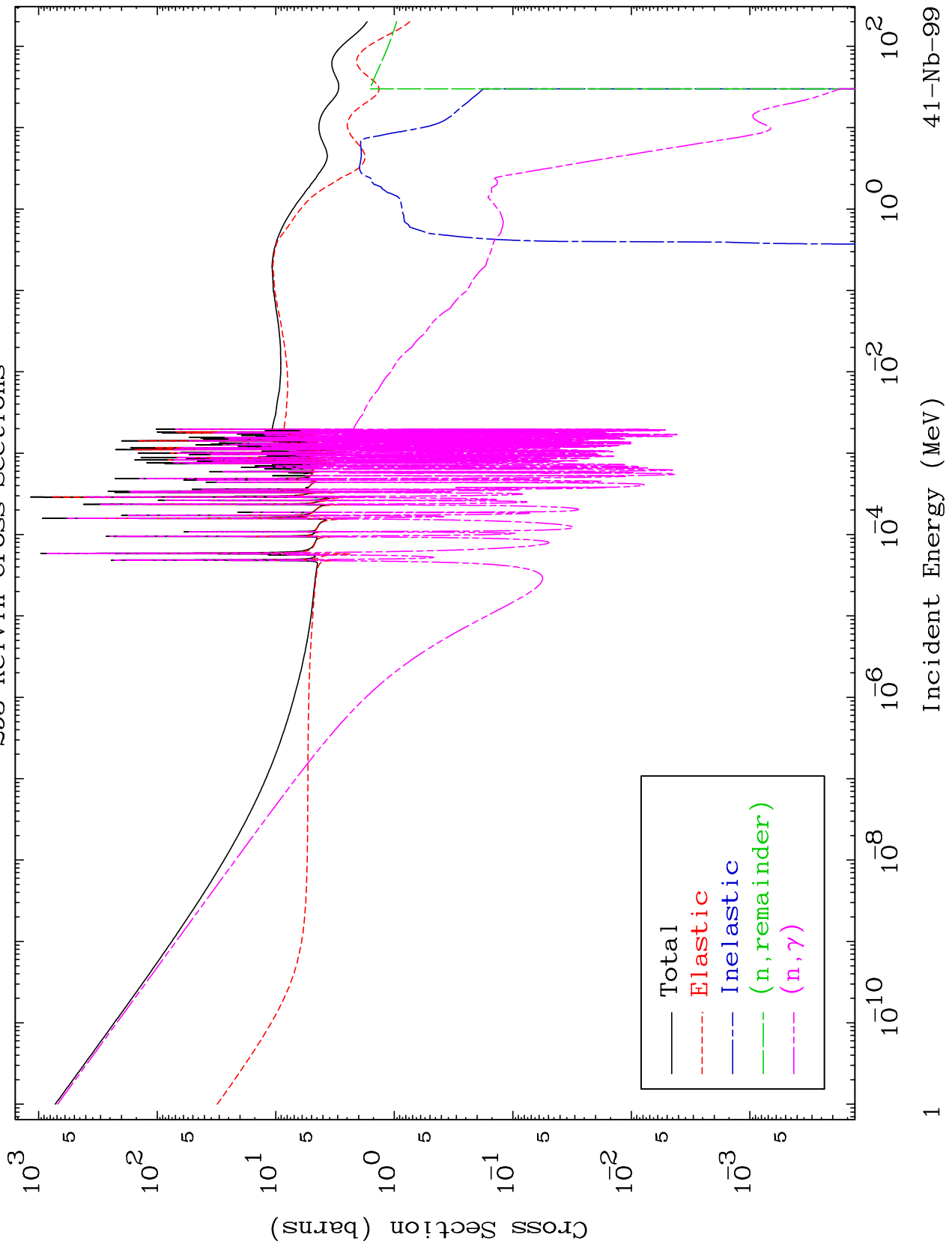
Press Mouse Button to Start

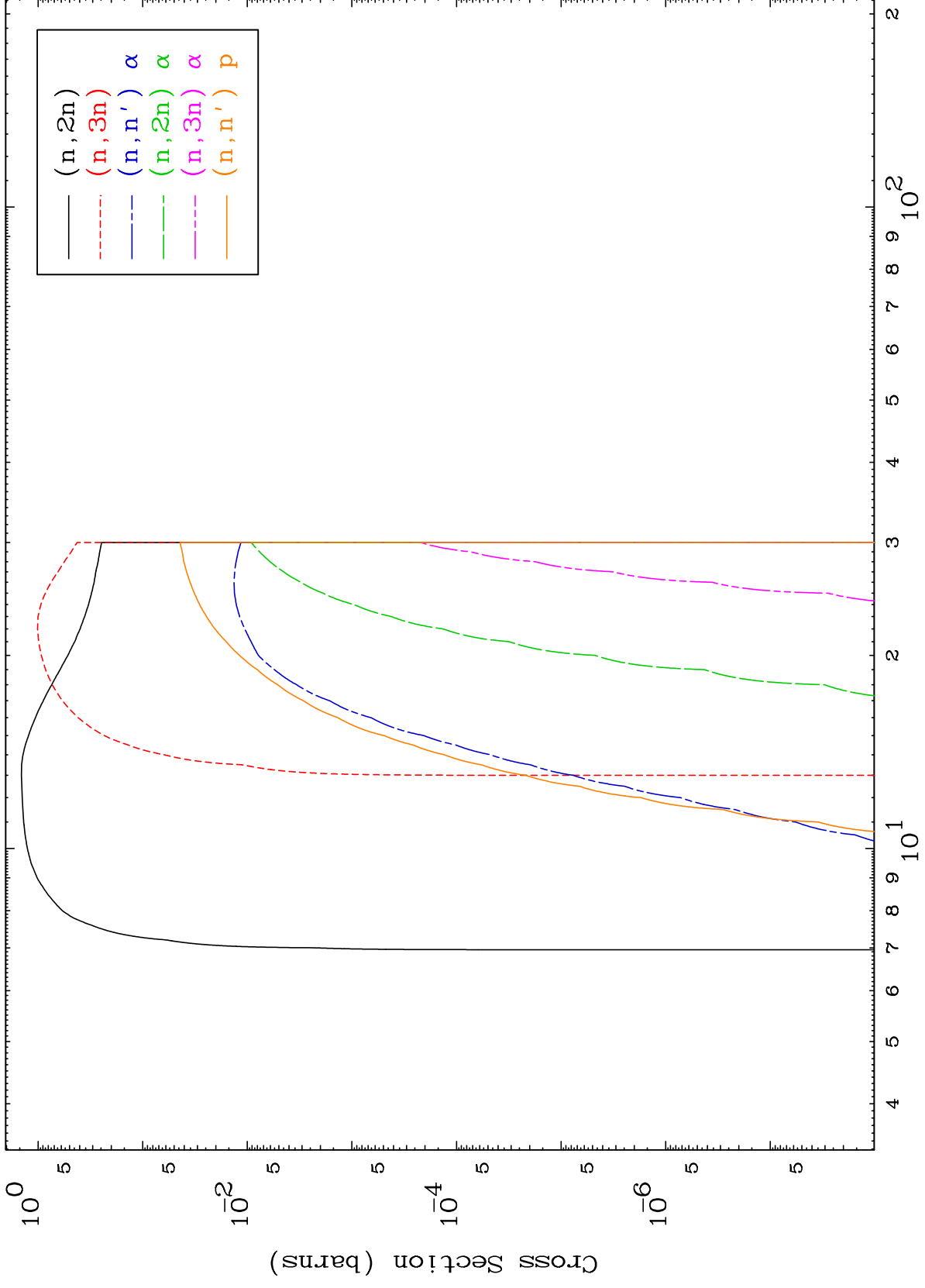
MAT 4143

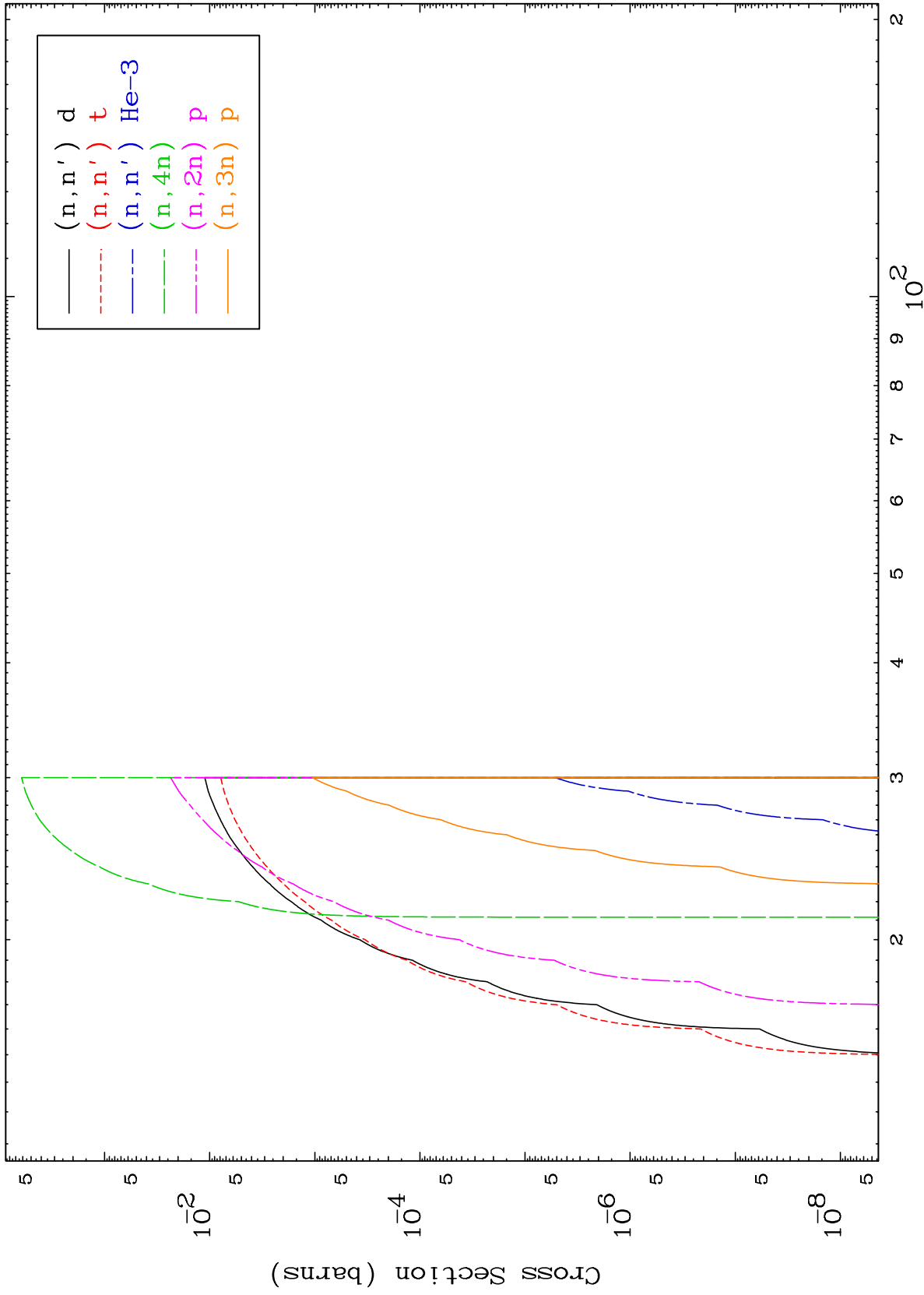
Major

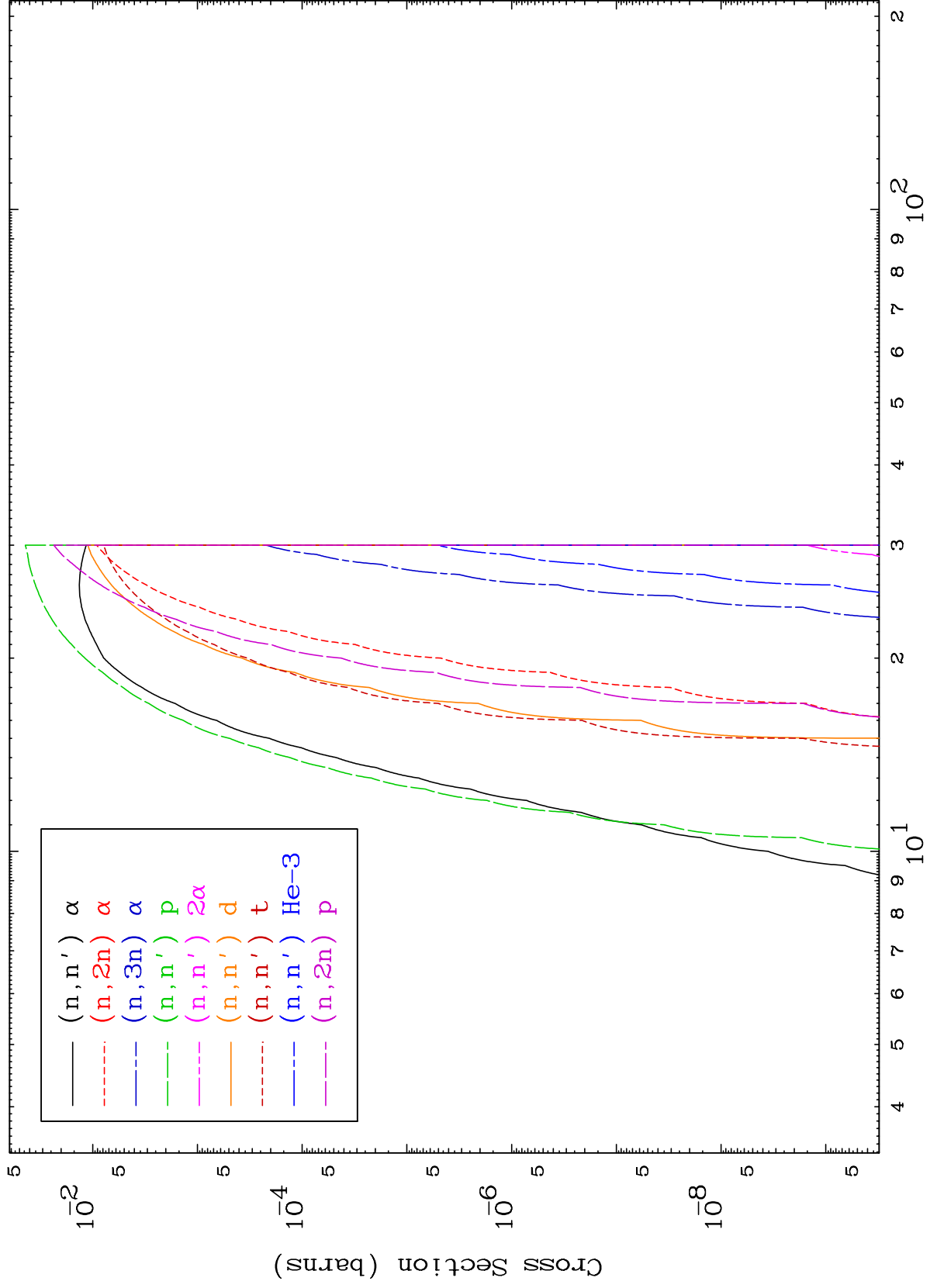
293 Kelvin Cross Sections

41-Nb-99





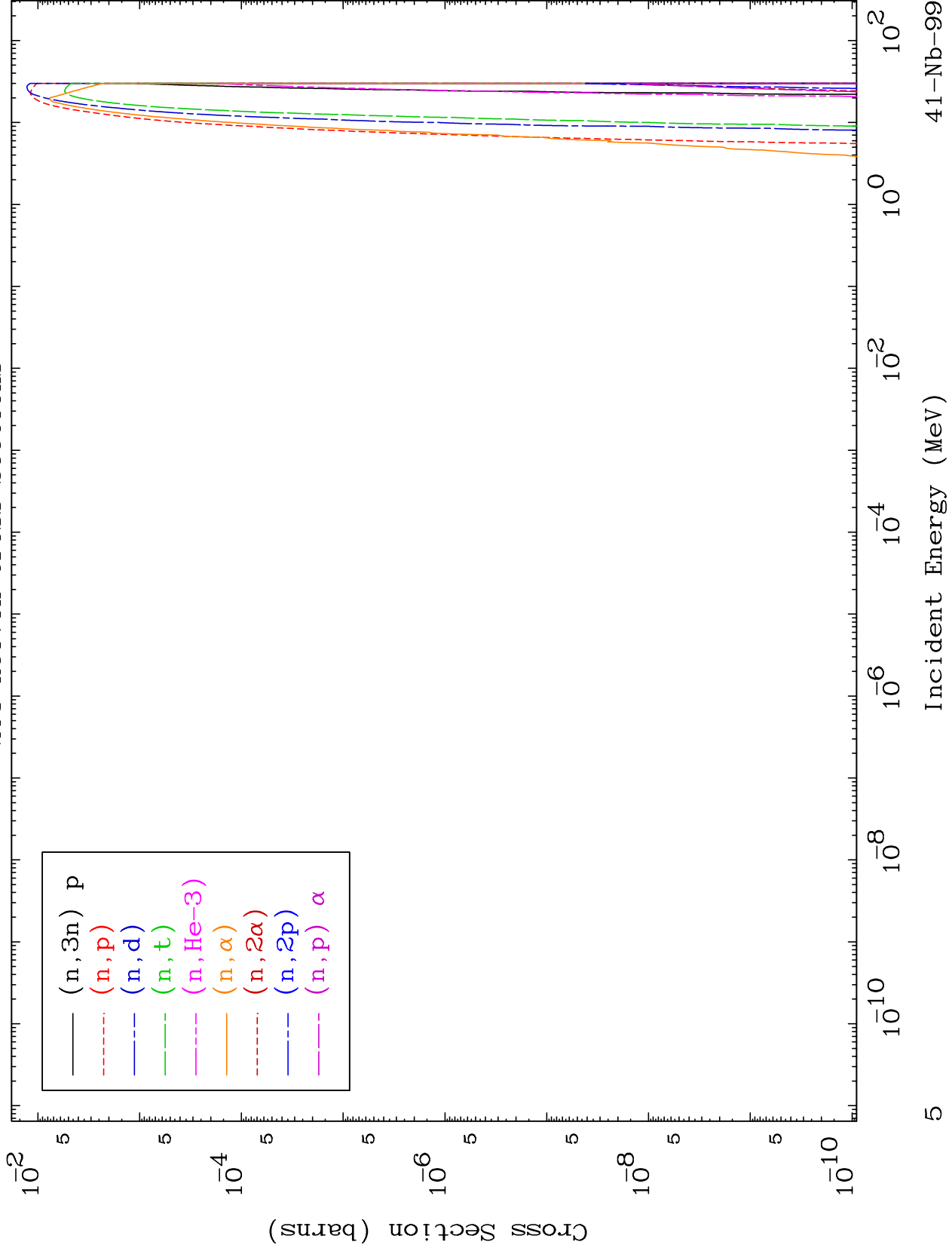




MAT 4143

Charged Particle
293 Kelvin Cross Sections

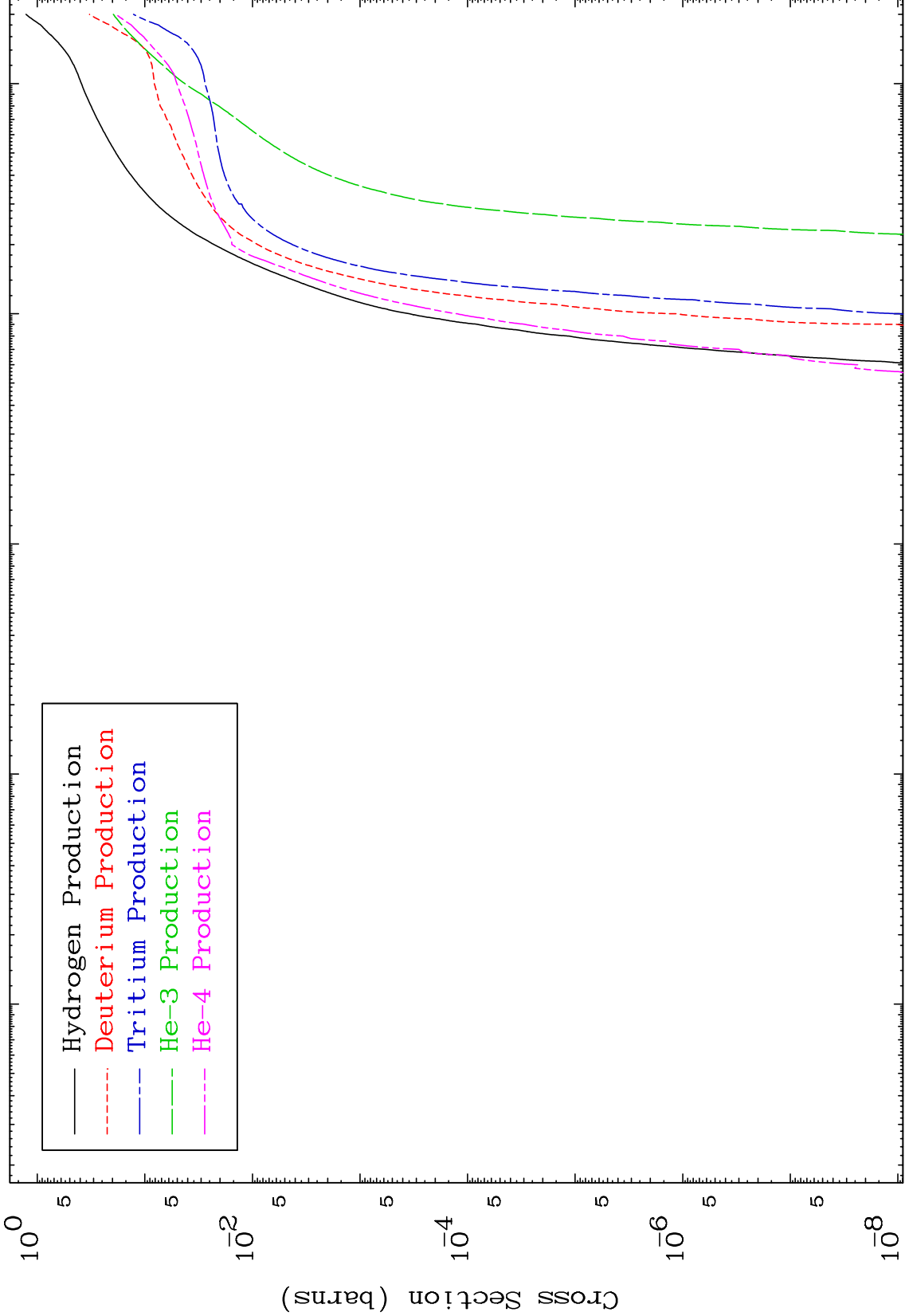
41-Nb-99



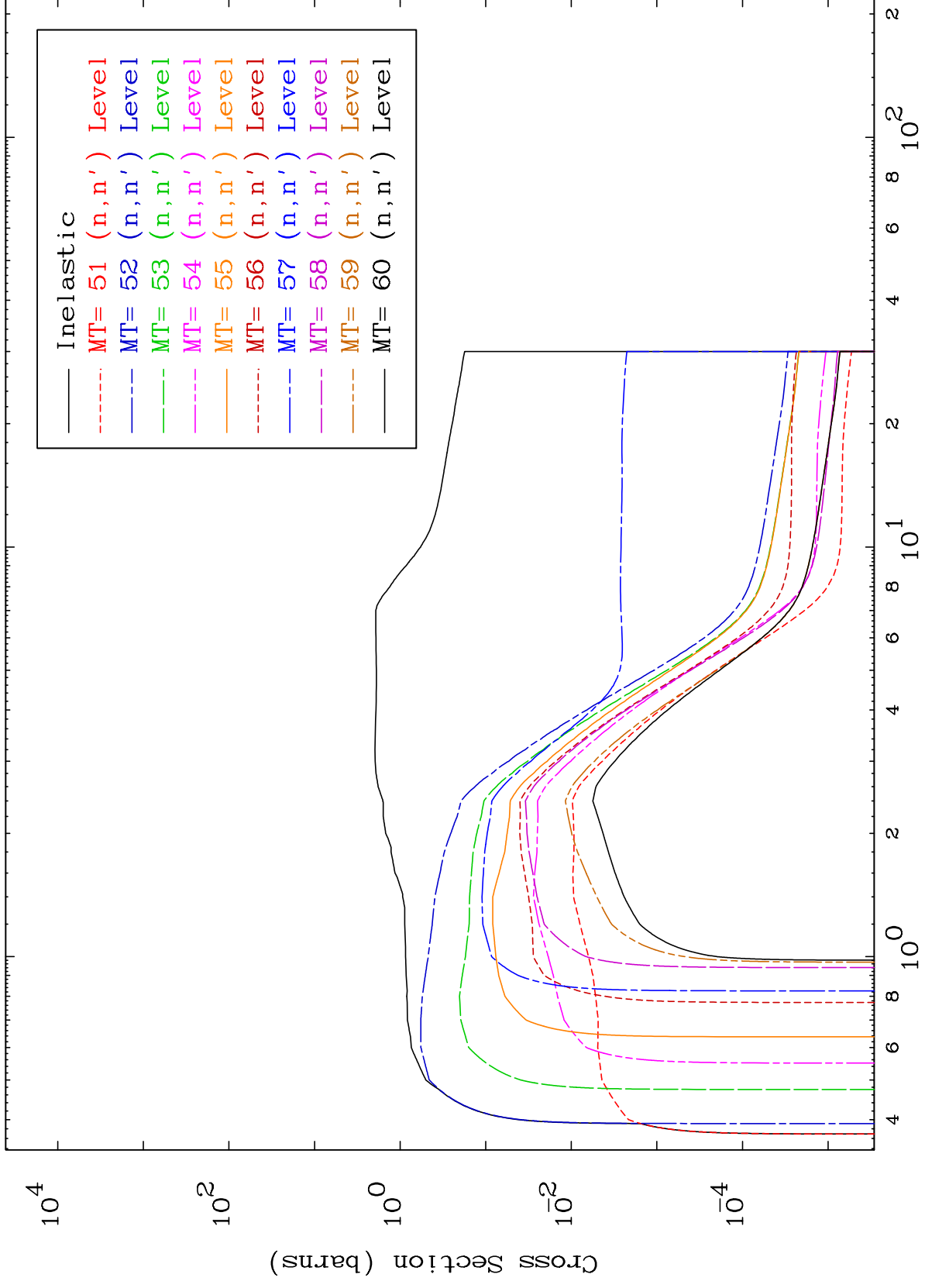
MAT 4143

Particle Production
293 Kelvin Cross Sections

41-Nb-99



293 Kelvin Cross Sections

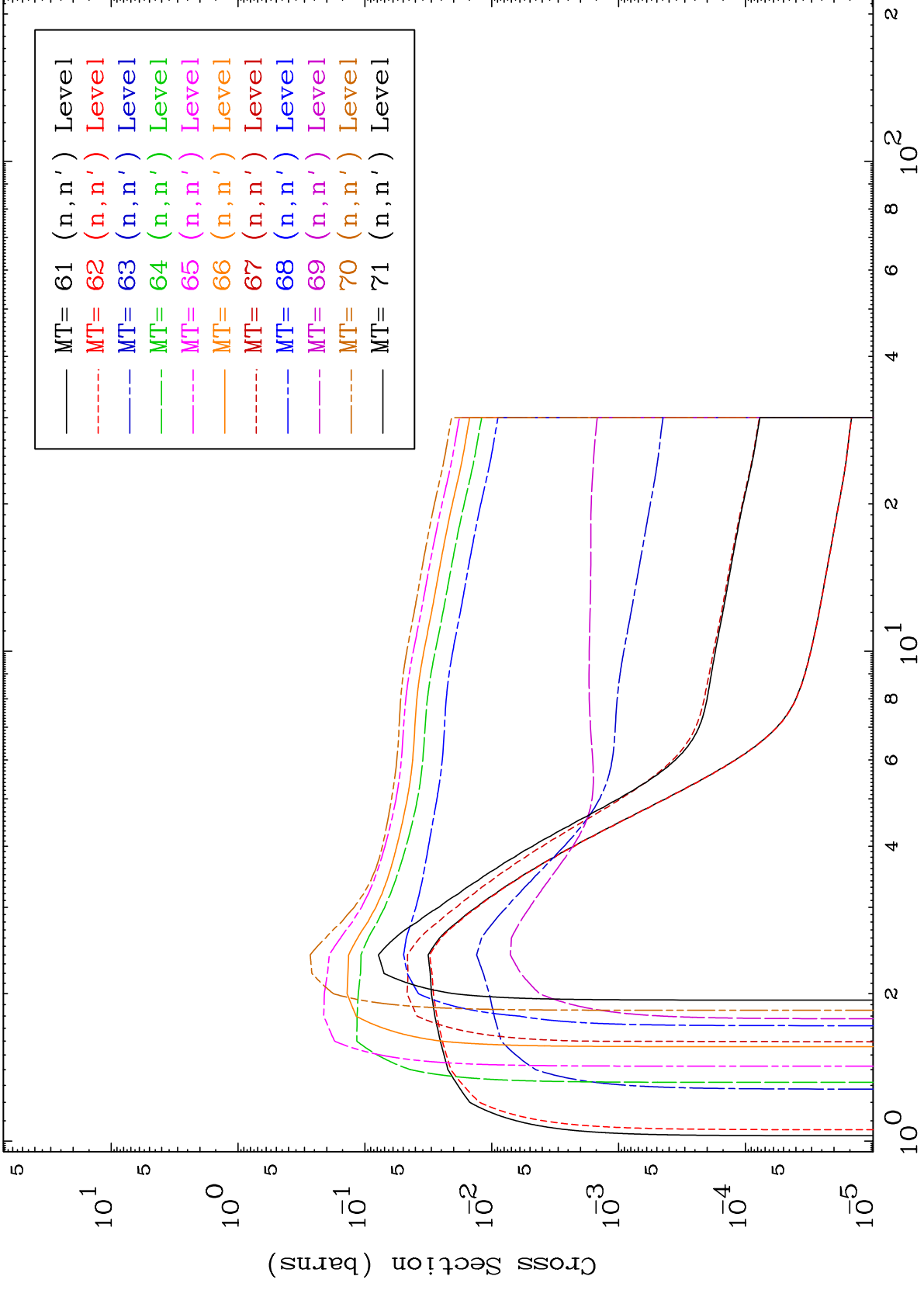


MAT 4143

(n,n') Level

41-Nb-99

293 Kelvin Cross Sections



Incident Energy (MeV)

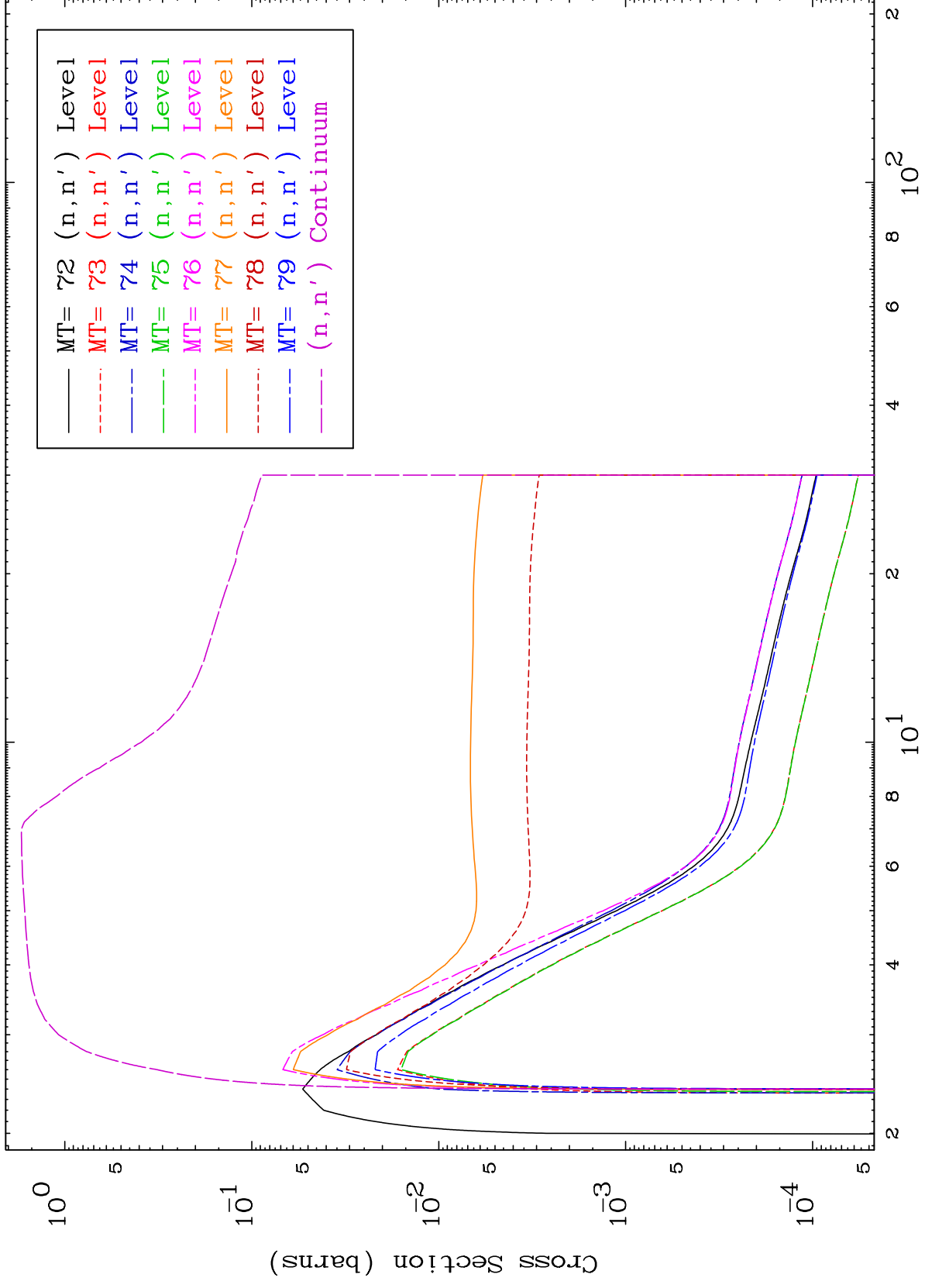
41-Nb-99

MAT 4143

(n,n') Level

41-Nb-99

293 Kelvin Cross Sections



9

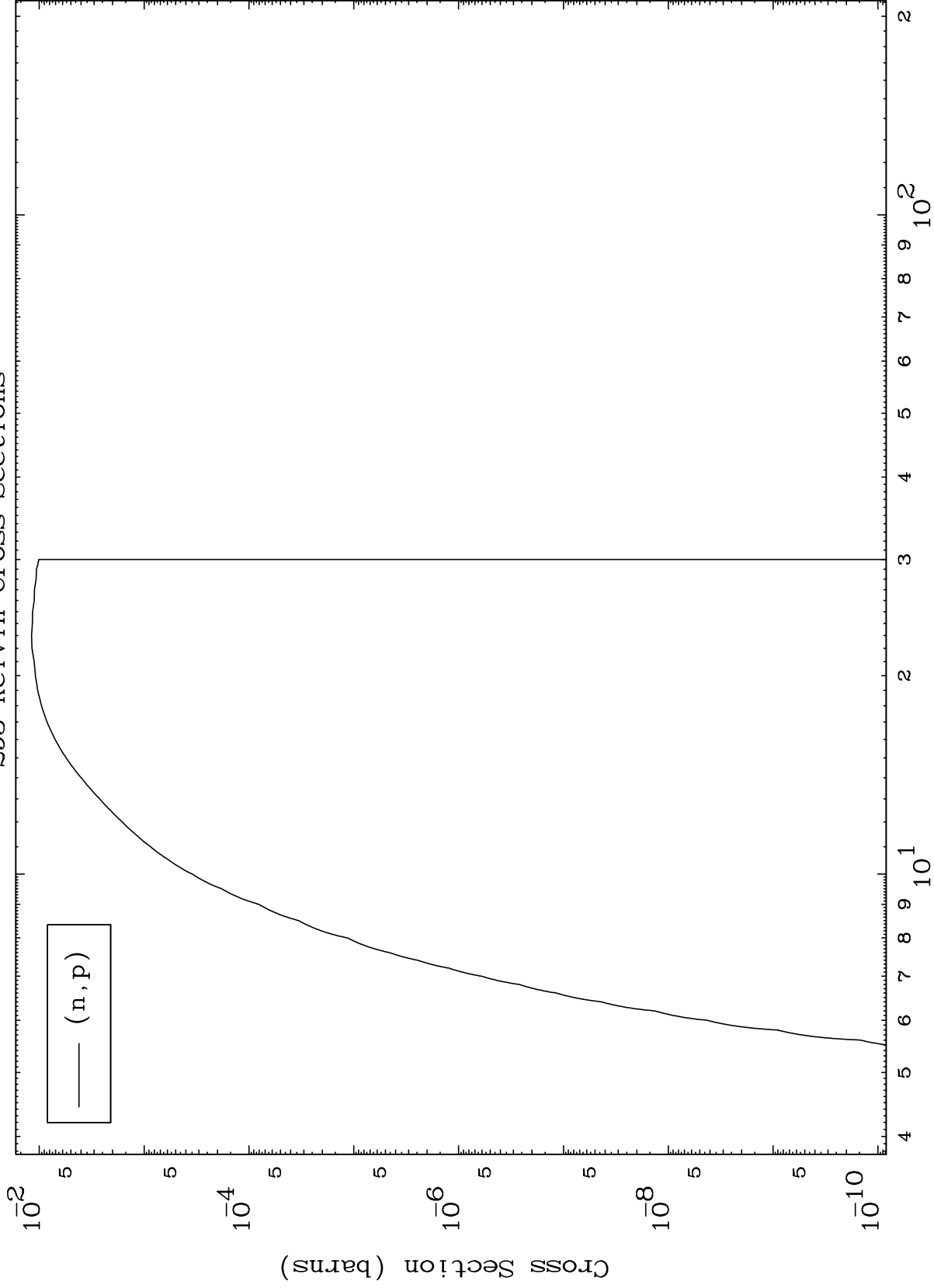
Incident Energy (MeV)

41-Nb-99

MAT 4143

(n,p) Levels
293 Kelvin Cross Sections

41-Nb-99



10

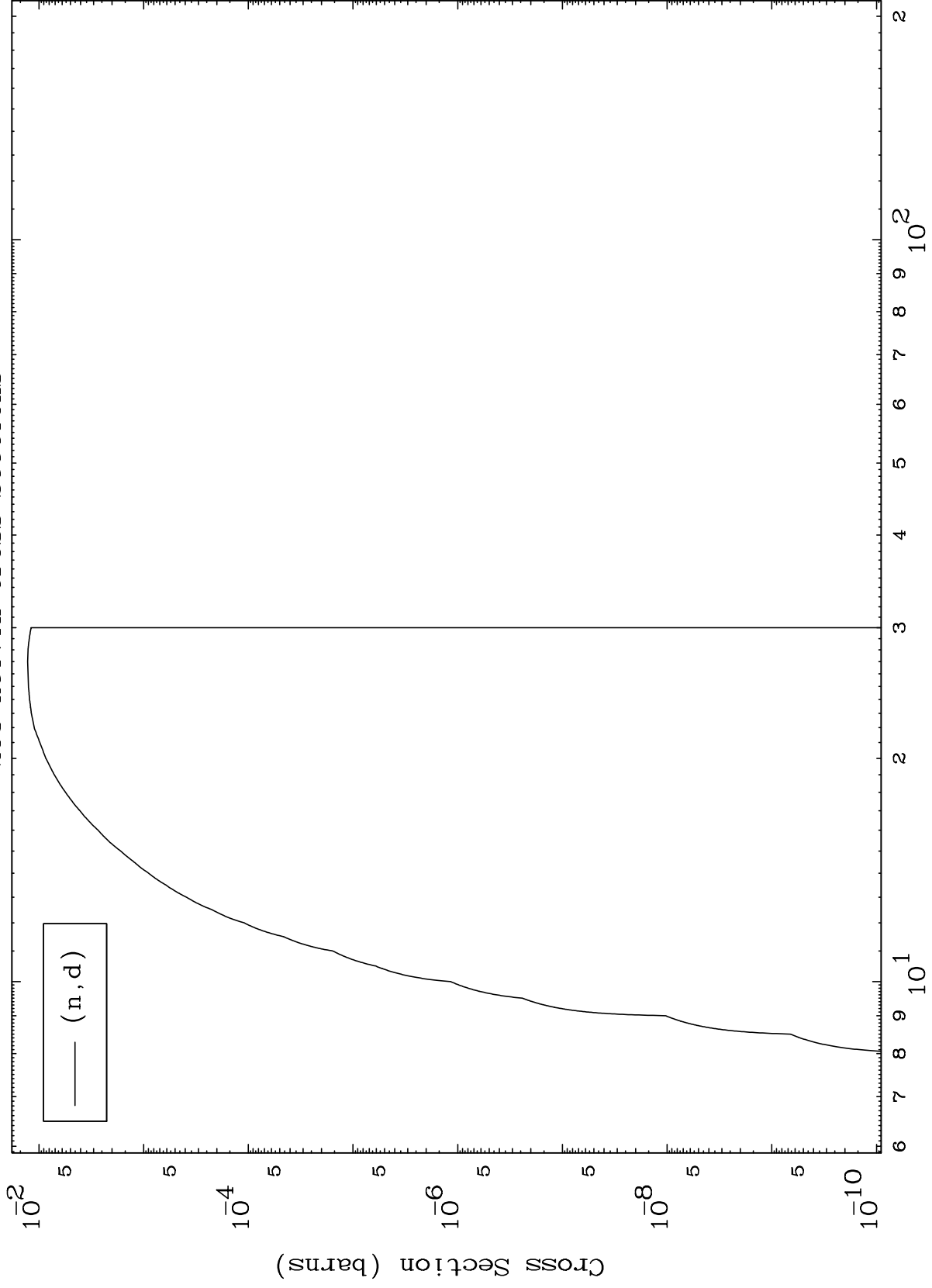
Incident Energy (MeV)

41-Nb-99

MAT 4143

(n,d) Levels
293 Kelvin Cross Sections

41-Nb-99



11

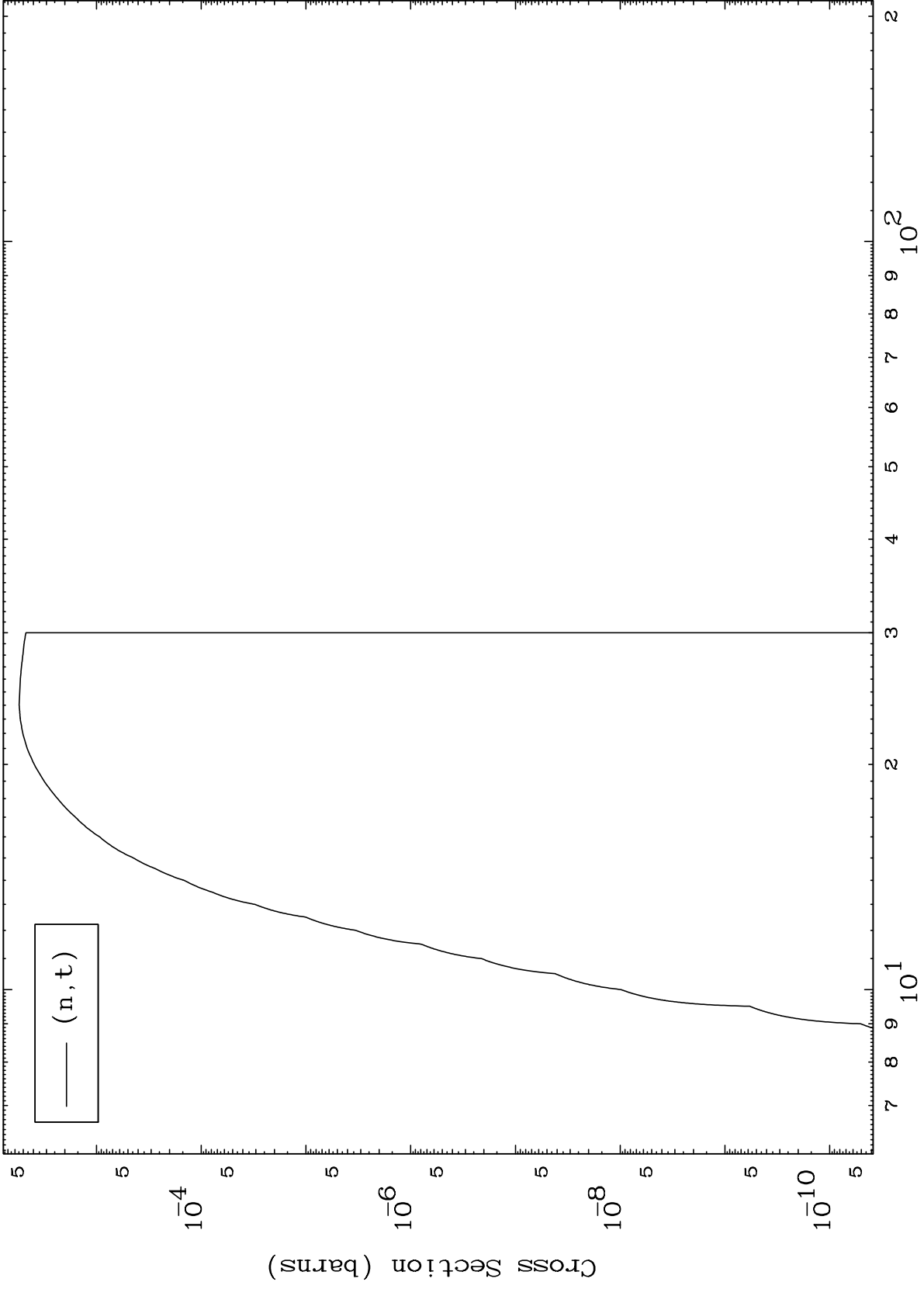
Incident Energy (MeV)

41-Nb-99

MAT 4143

(n,t) Levels
293 Kelvin Cross Sections

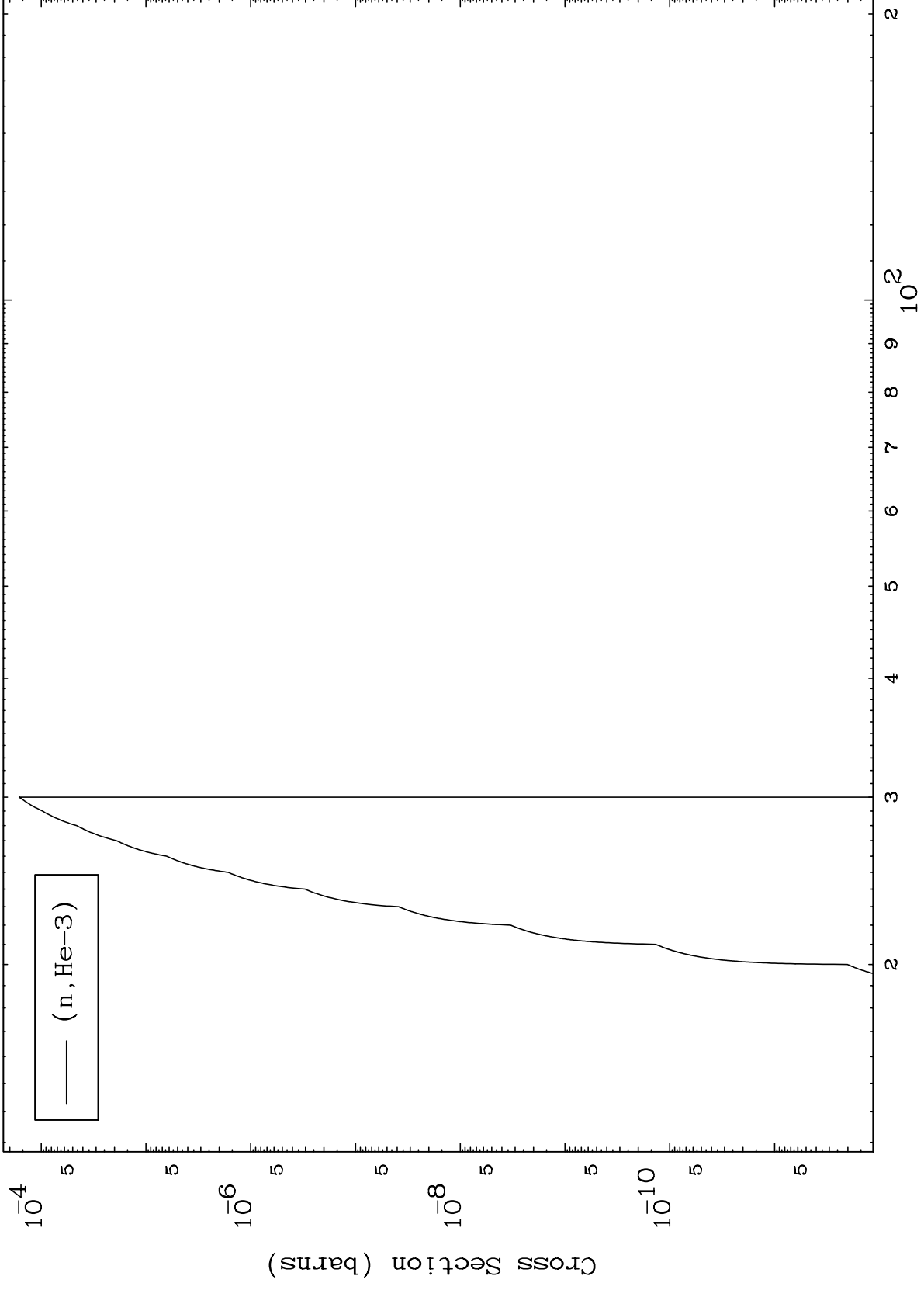
41-Nb-99



12

Incident Energy (MeV)

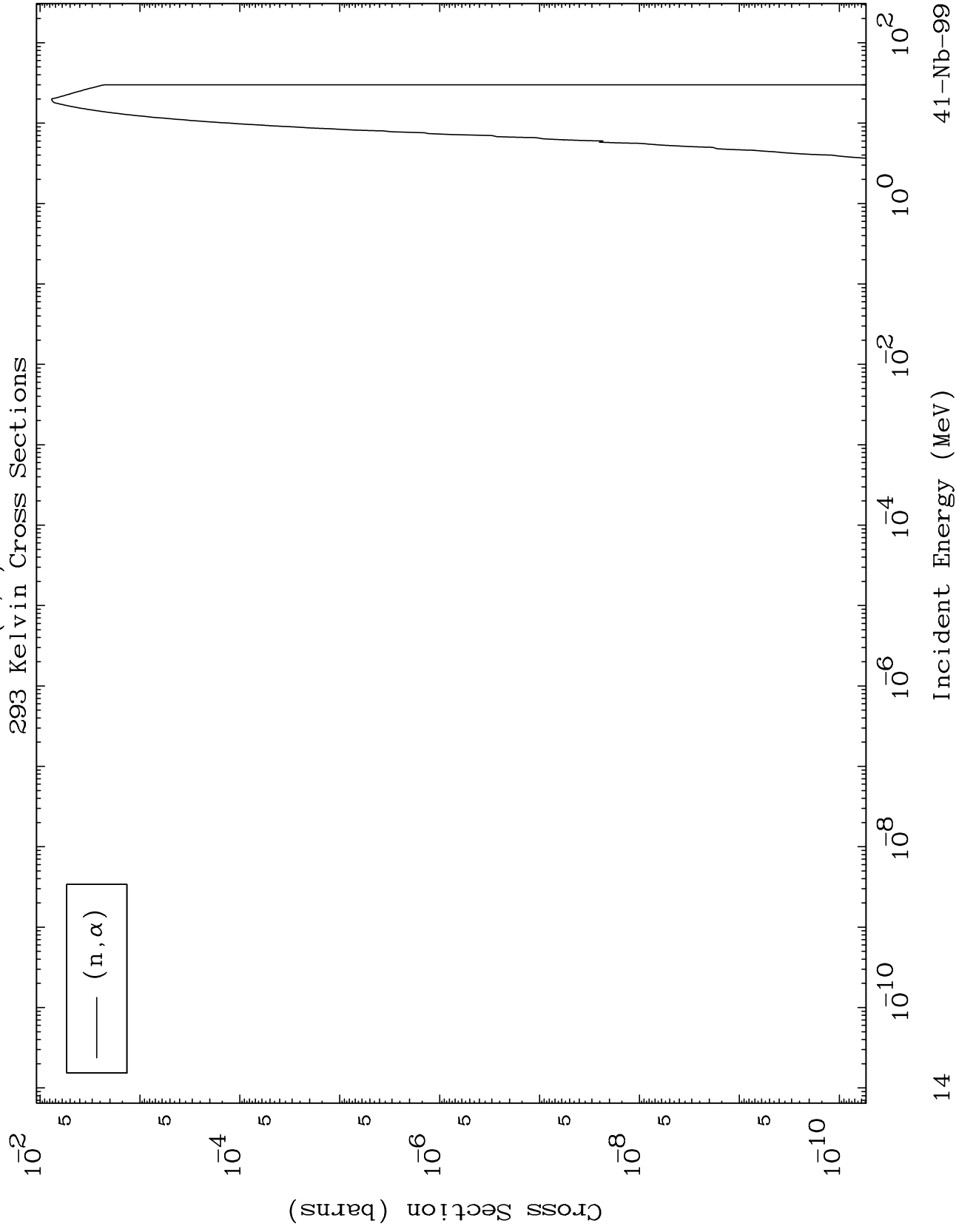
41-Nb-99

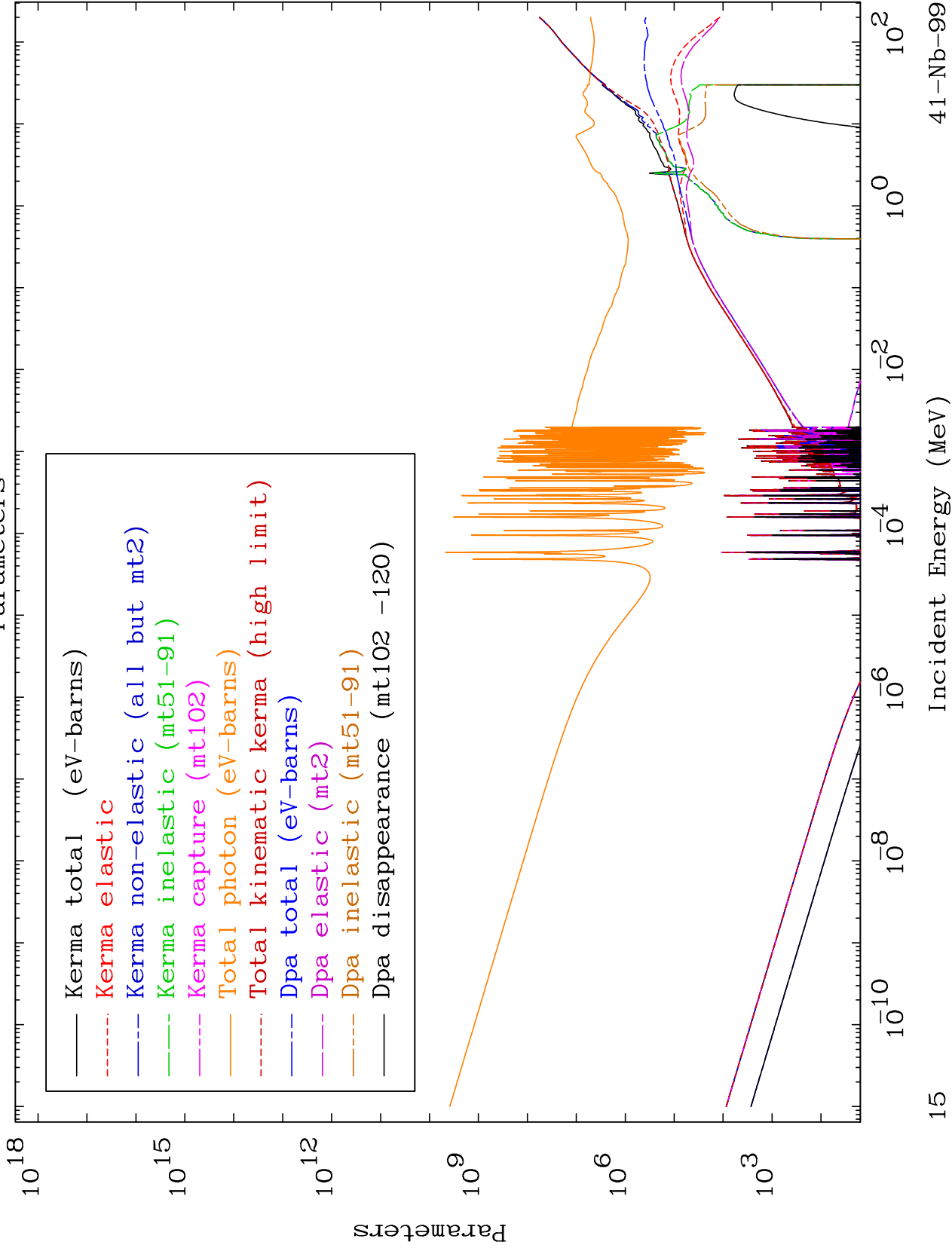


MAT 4143

(n, α) Levels
293 Kelvin Cross Sections

41-Nb-99

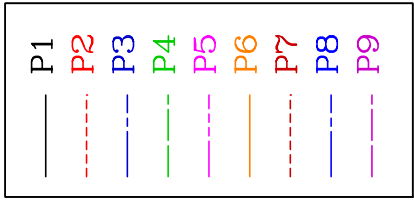
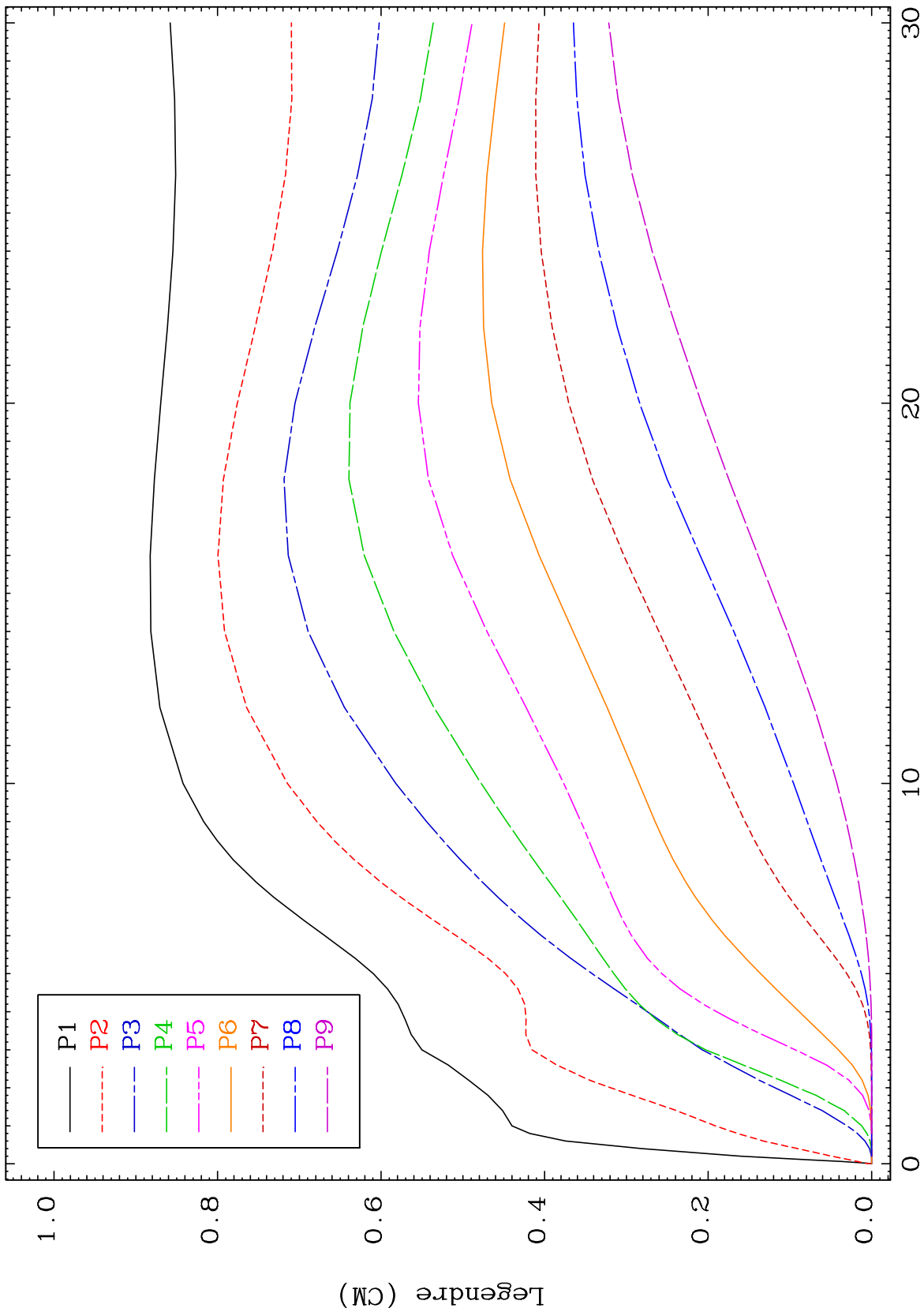




MAT 4143

Elastic Legendre Coefficients

41-Nb-99



16

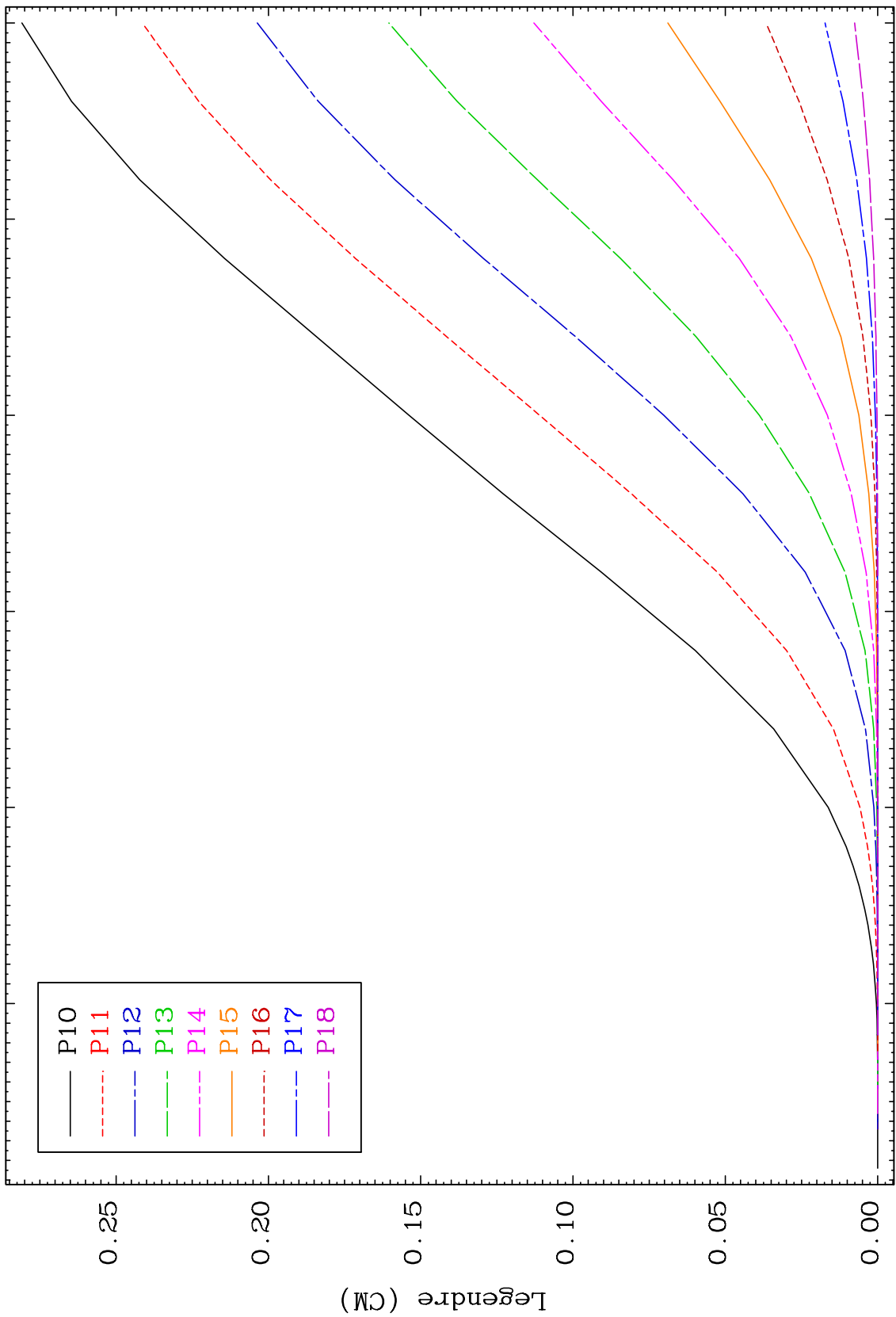
Incident Energy (MeV)

41-Nb-99

MAT 4143

Elastic Legendre Coefficients

41-Nb-99



17

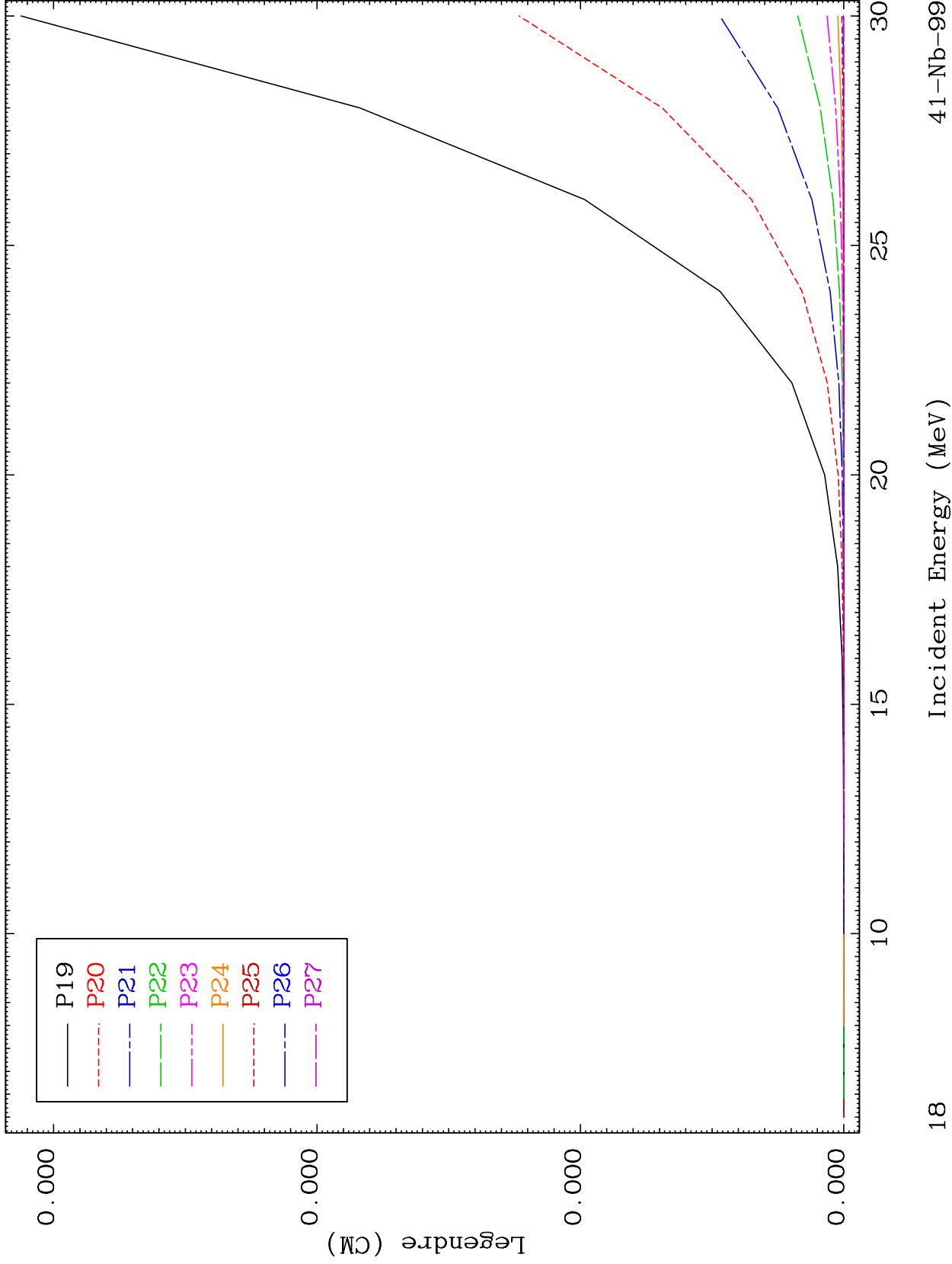
Incident Energy (MeV)

41-Nb-99

MAT 4143

Elastic Legendre Coefficients

41-Nb-99



18

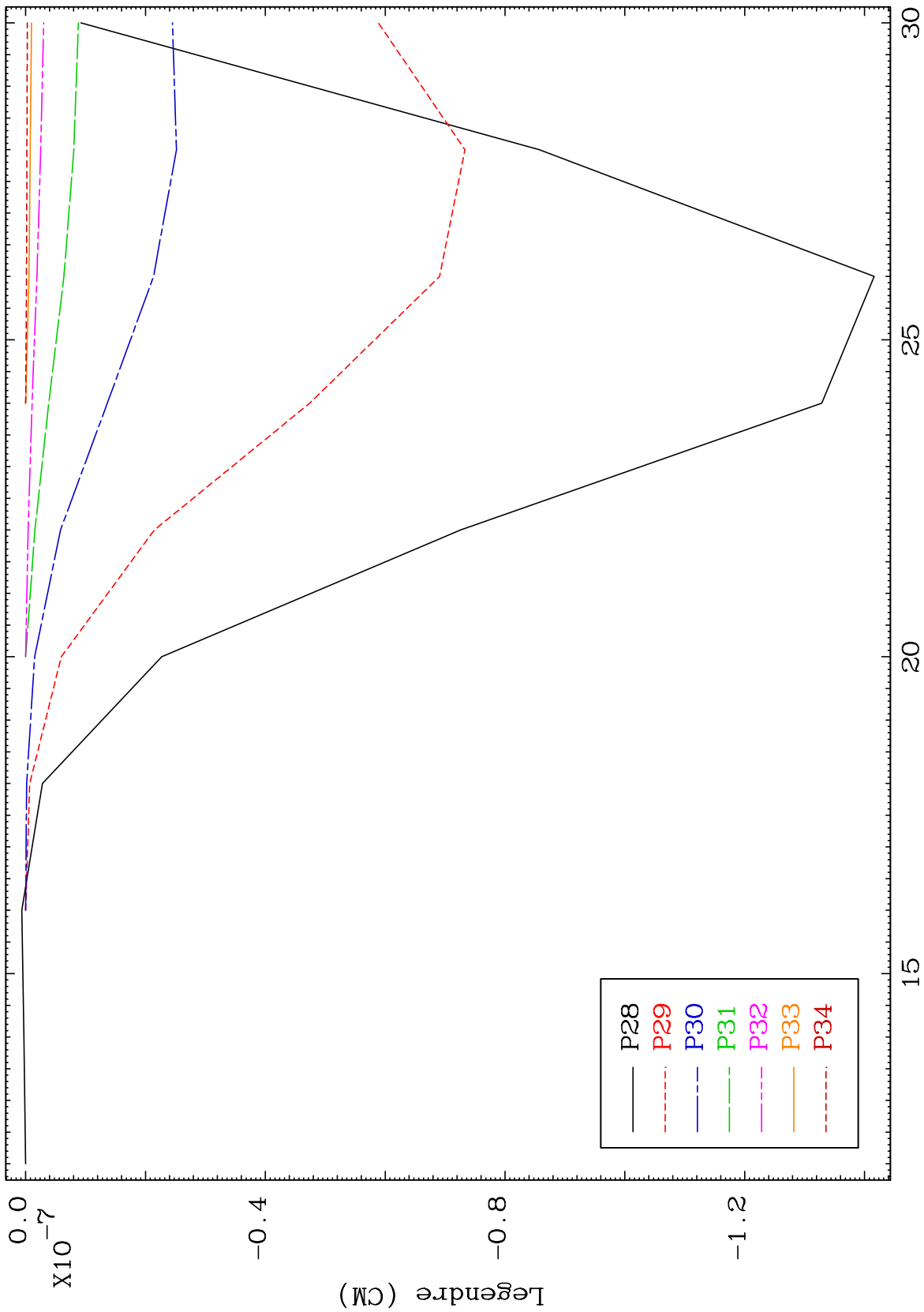
Incident Energy (MeV)

41-Nb-99

MAT 4143

41-Nb-99

Elastic Legendre Coefficients



19

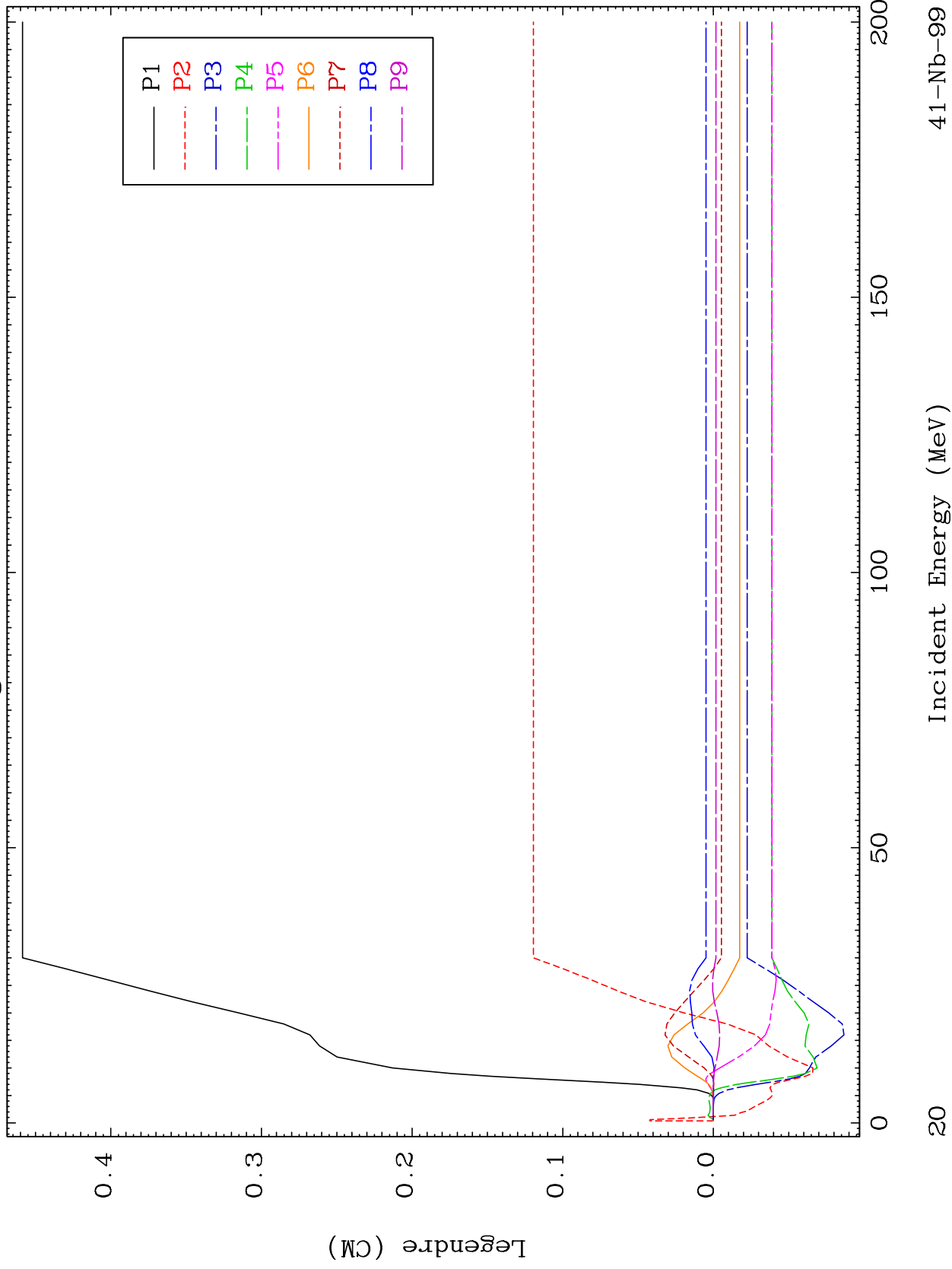
Incident Energy (MeV)

41-Nb-99

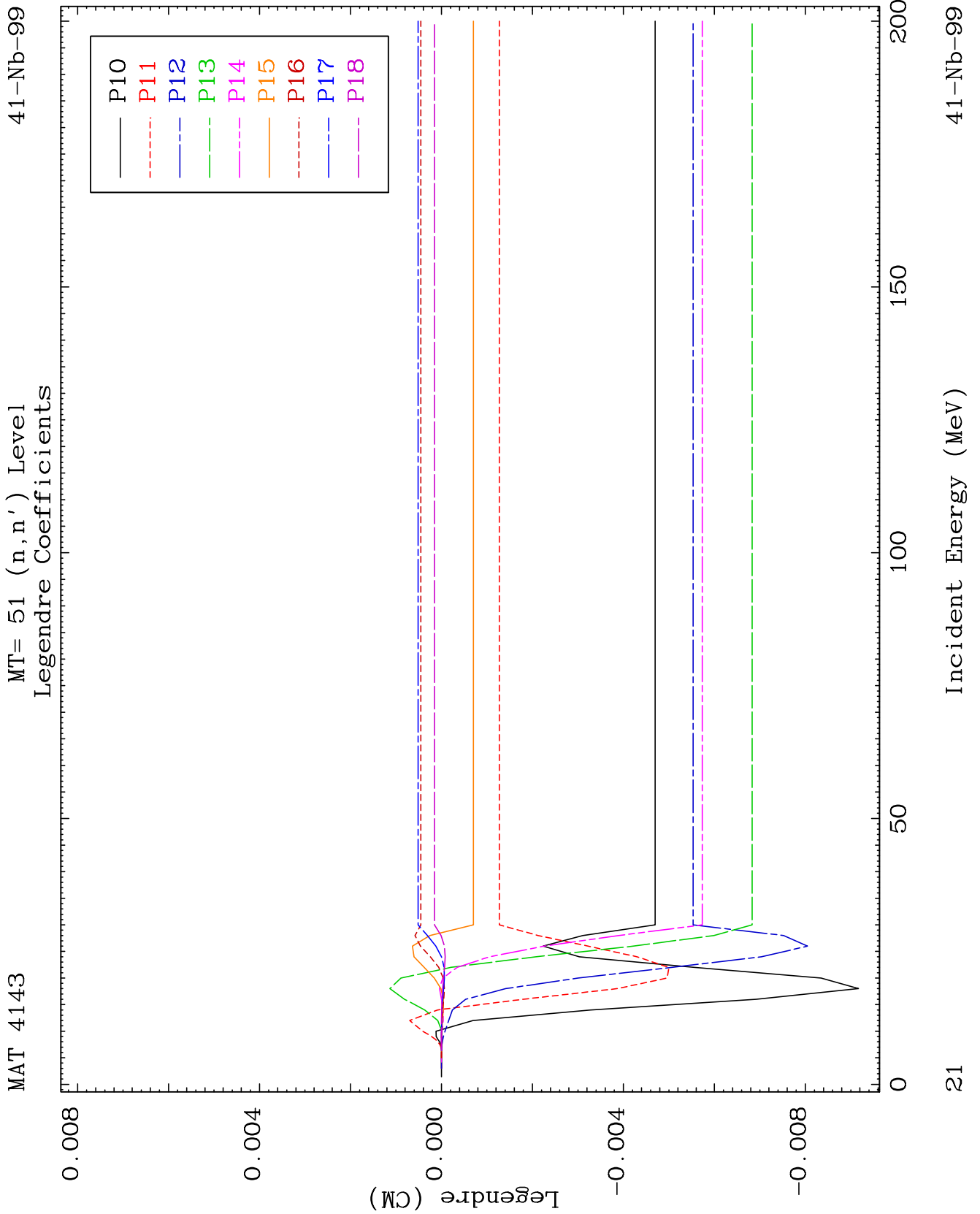
MAT 4143

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

41-Nb-99



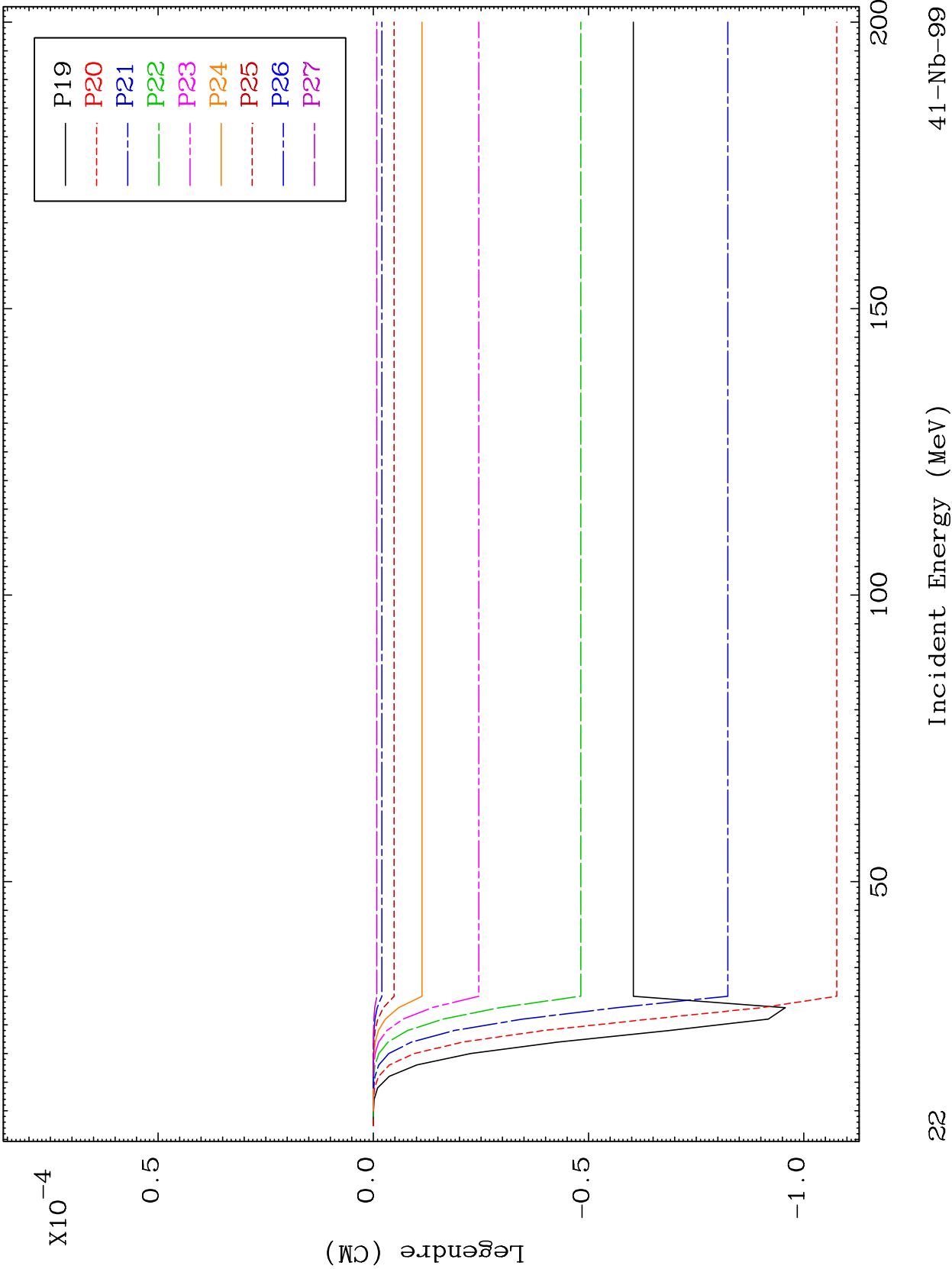
41-Nb-99



MAT 4143

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

41-Nb-99

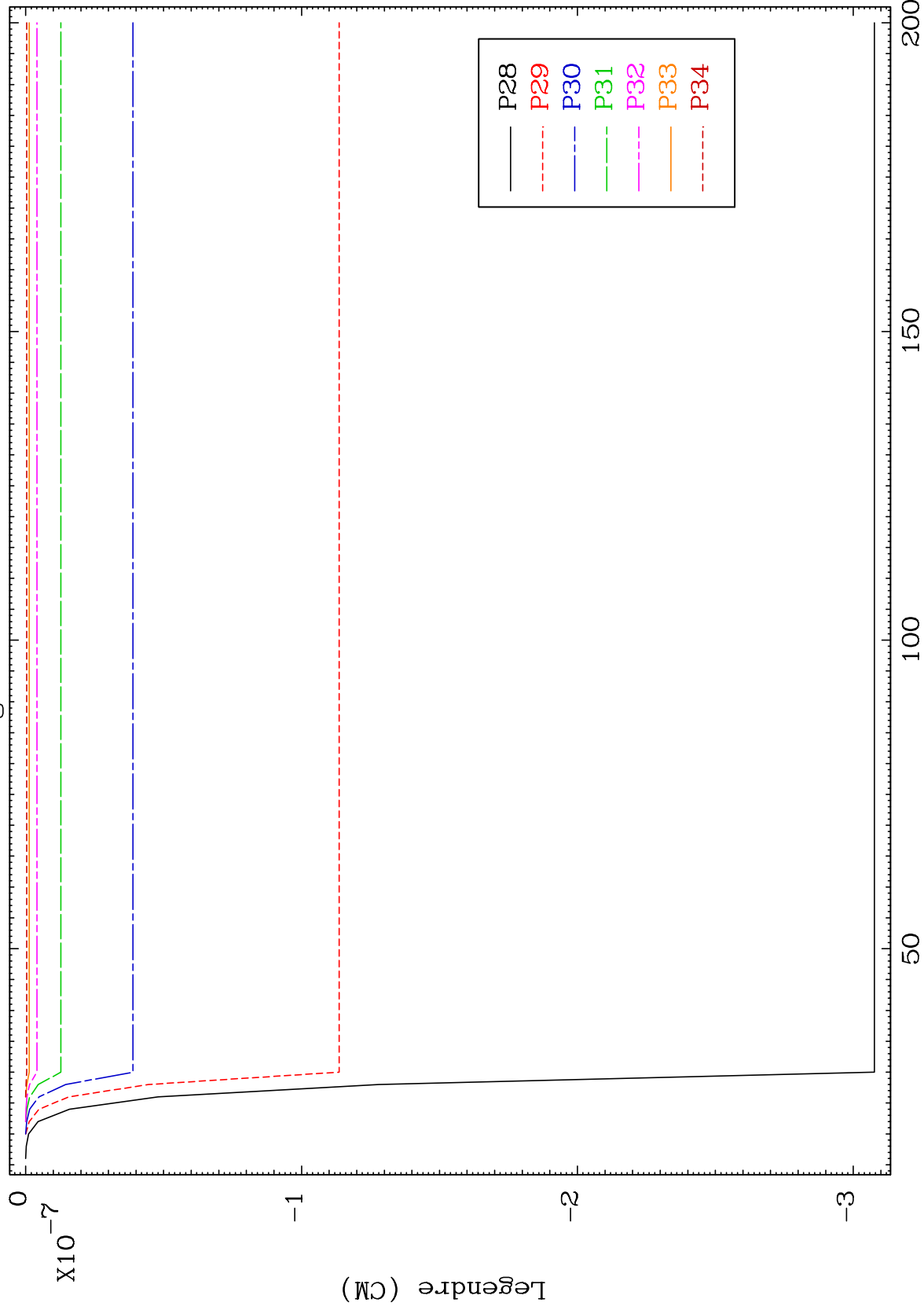


22

MAT 4143

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

41-Nb-99



23

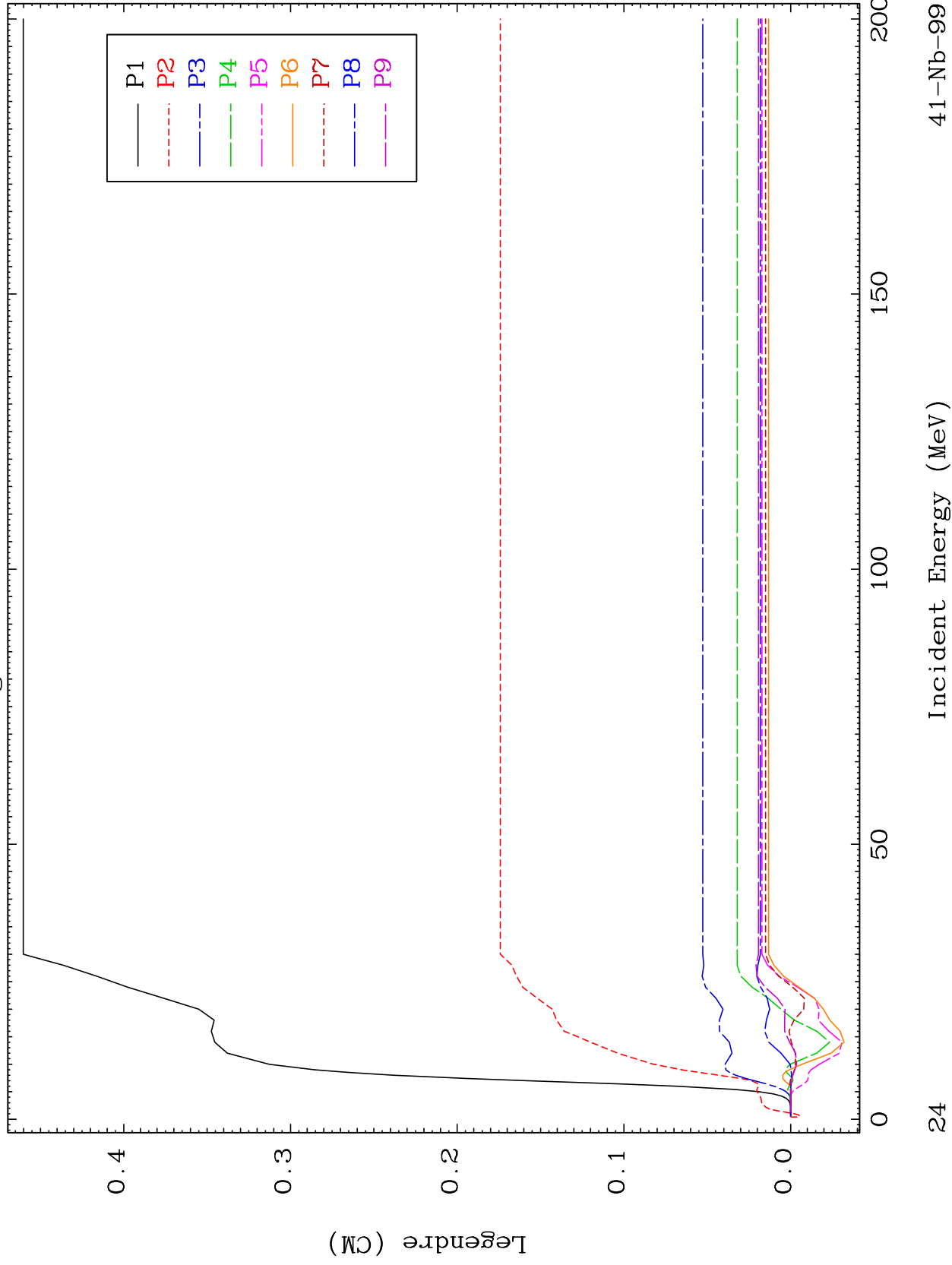
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



24

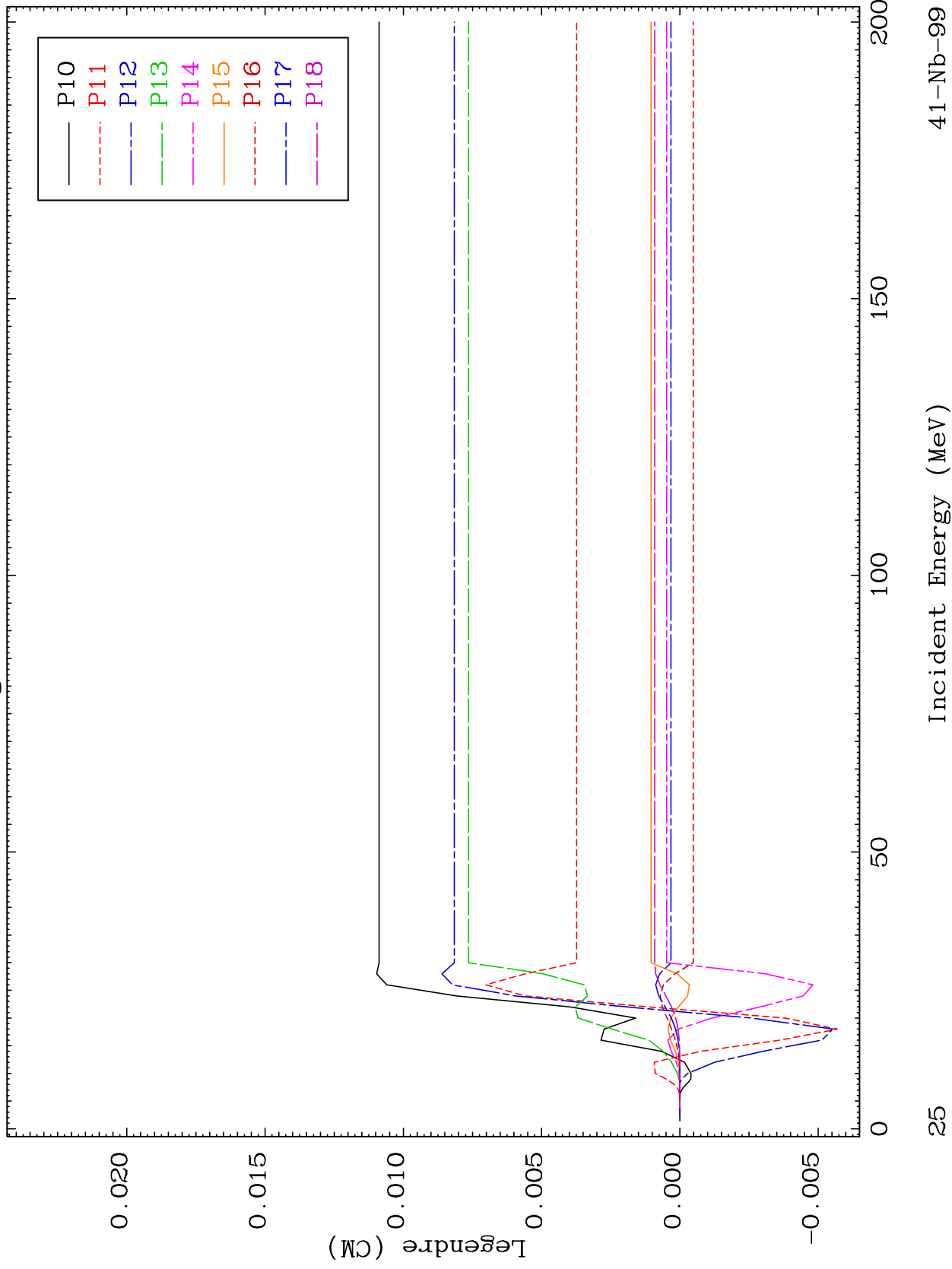
Incident Energy (MeV)

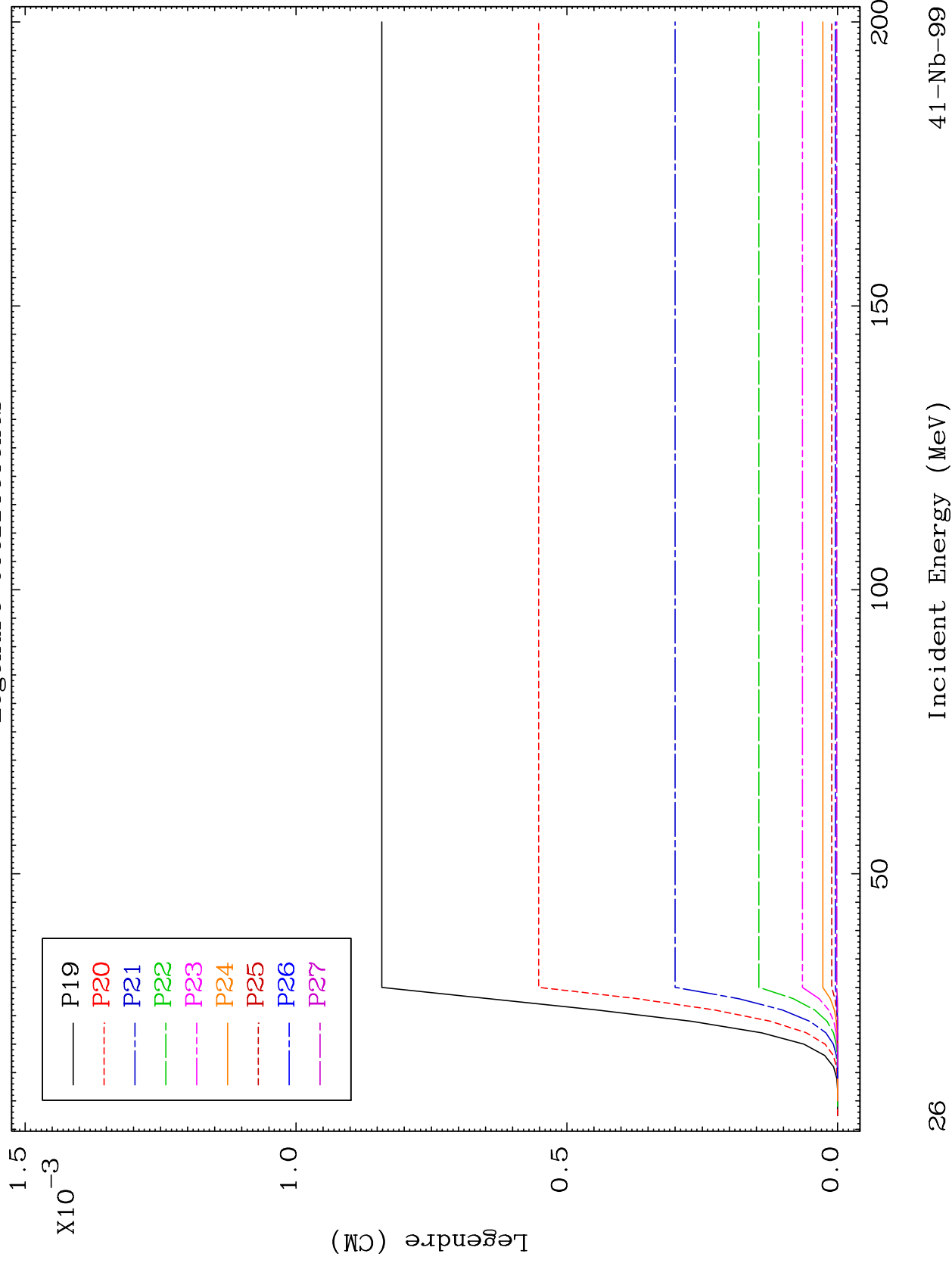
41-Nb-99

MAT 4143

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

41-Nb-99

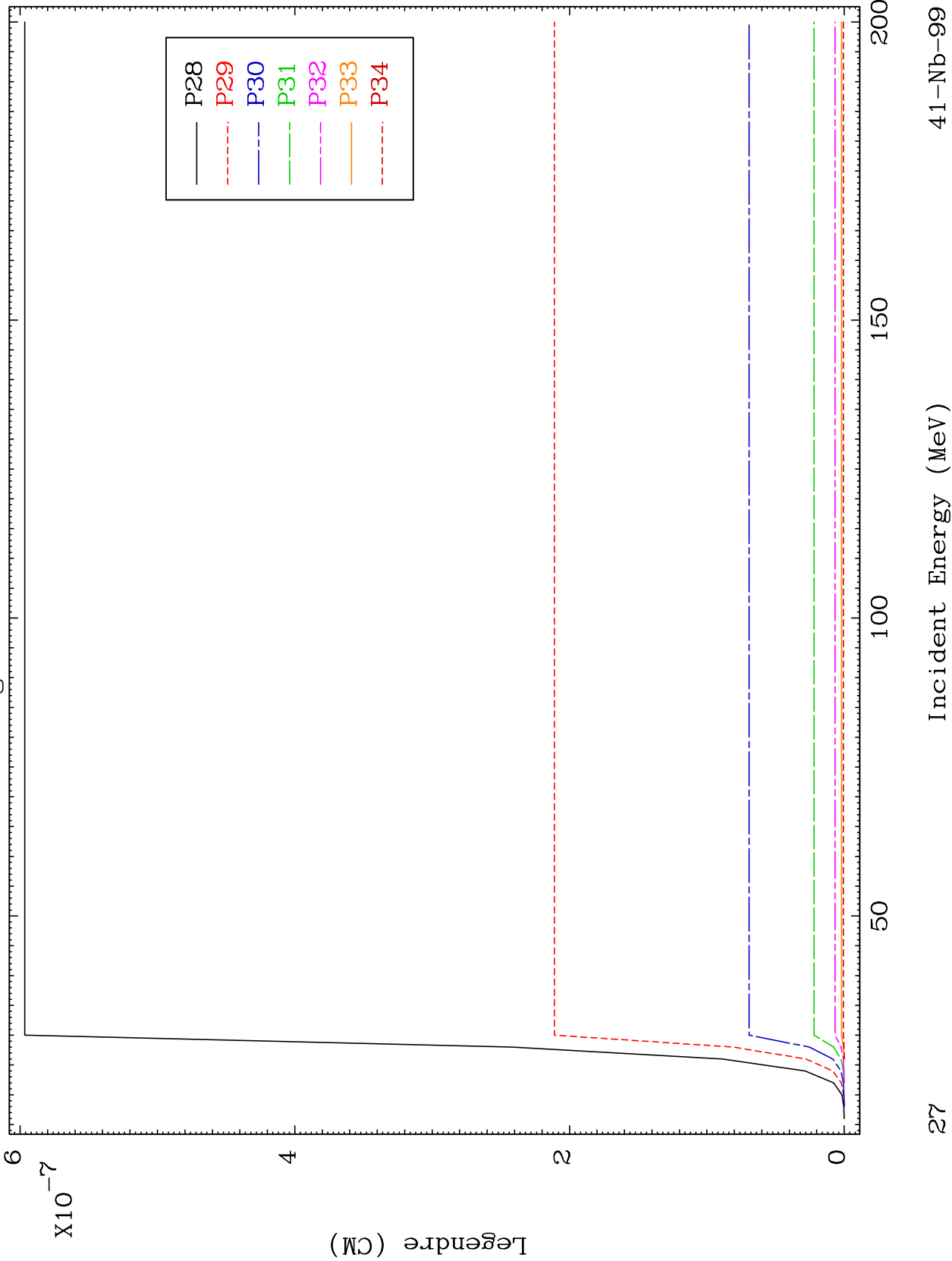




MAT 4143

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

41-Nb-99



27

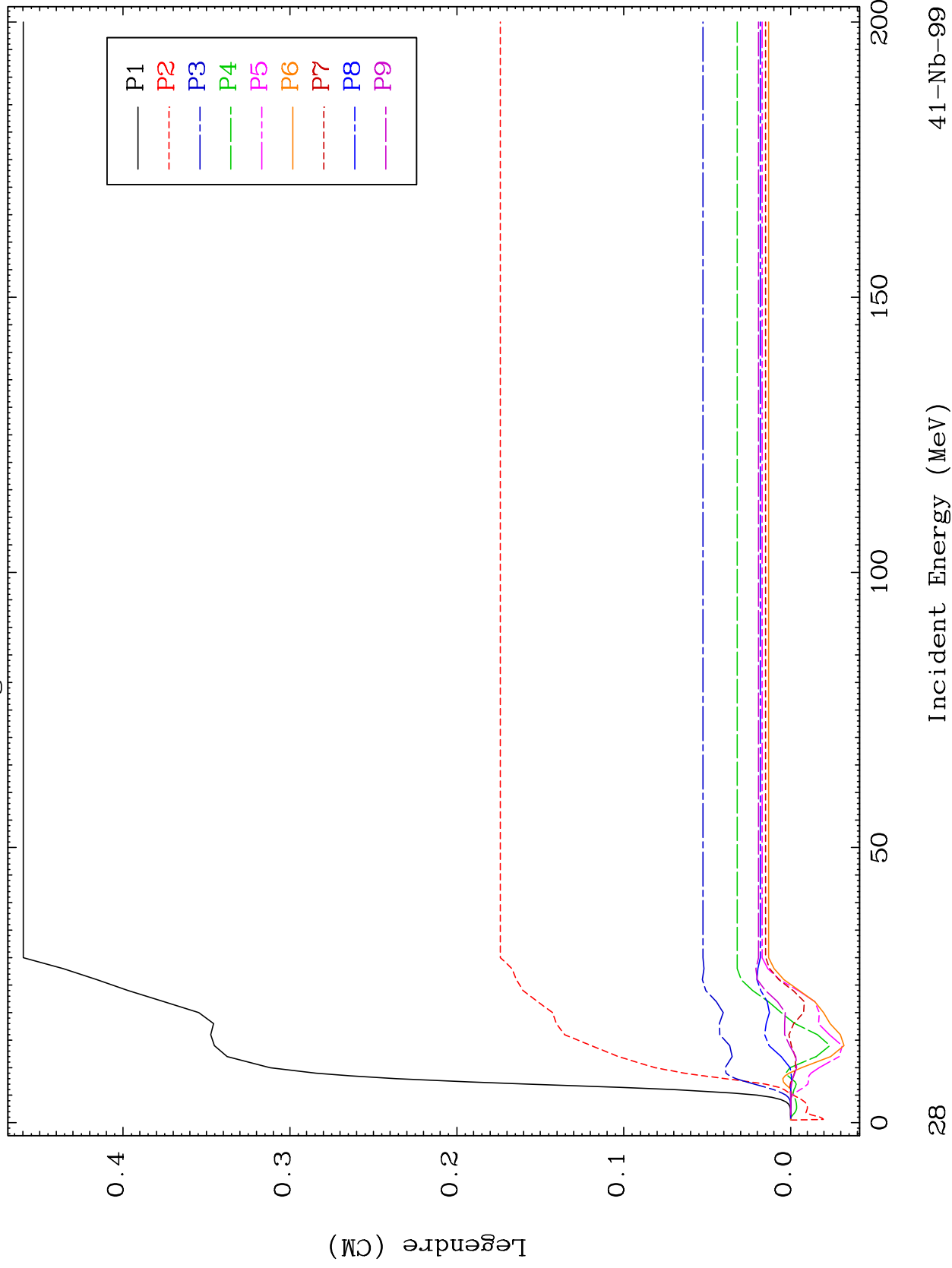
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



41-Nb-99

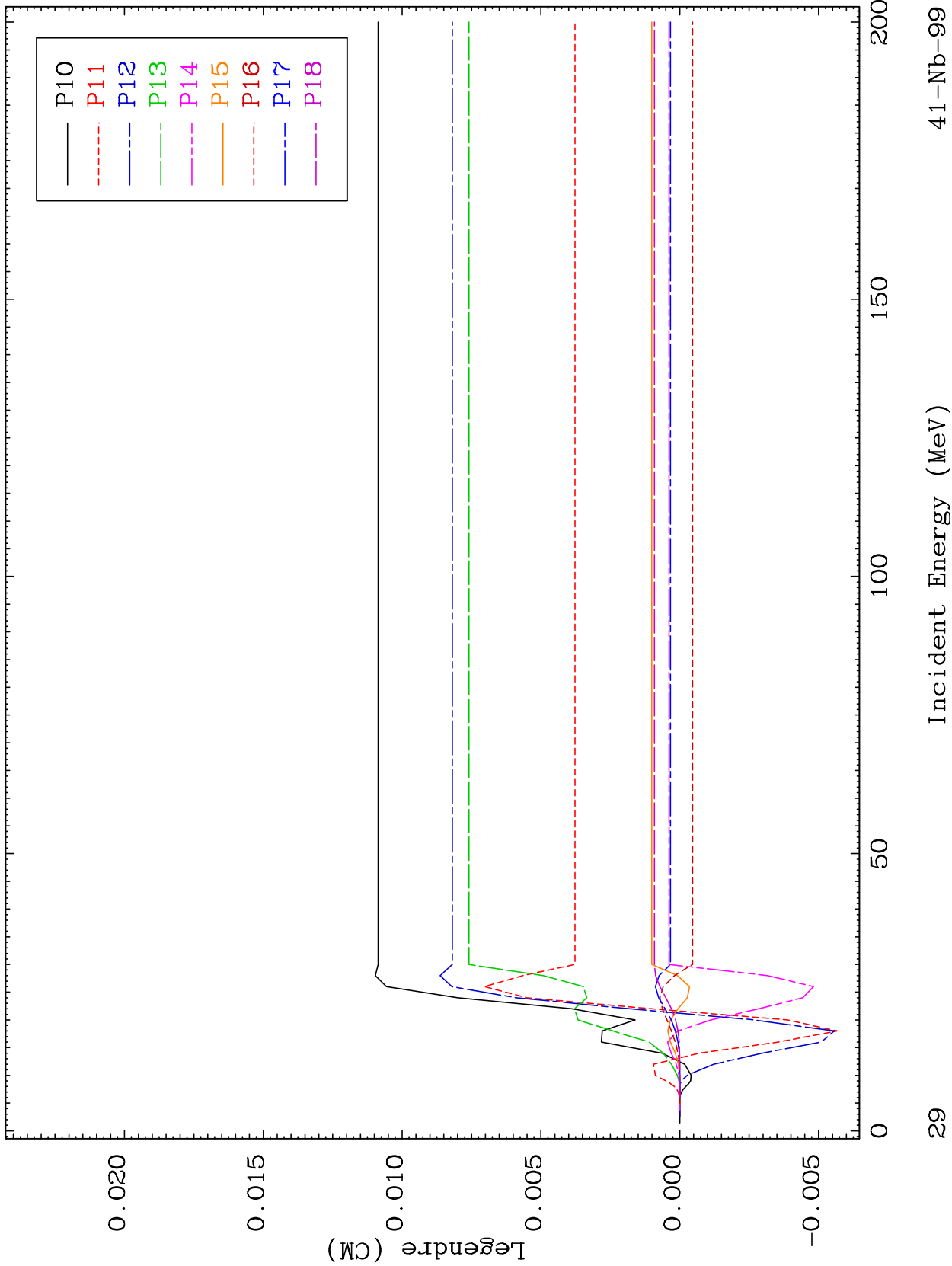
Incident Energy (MeV)

28

MAT 4143

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

41-Nb-99



29

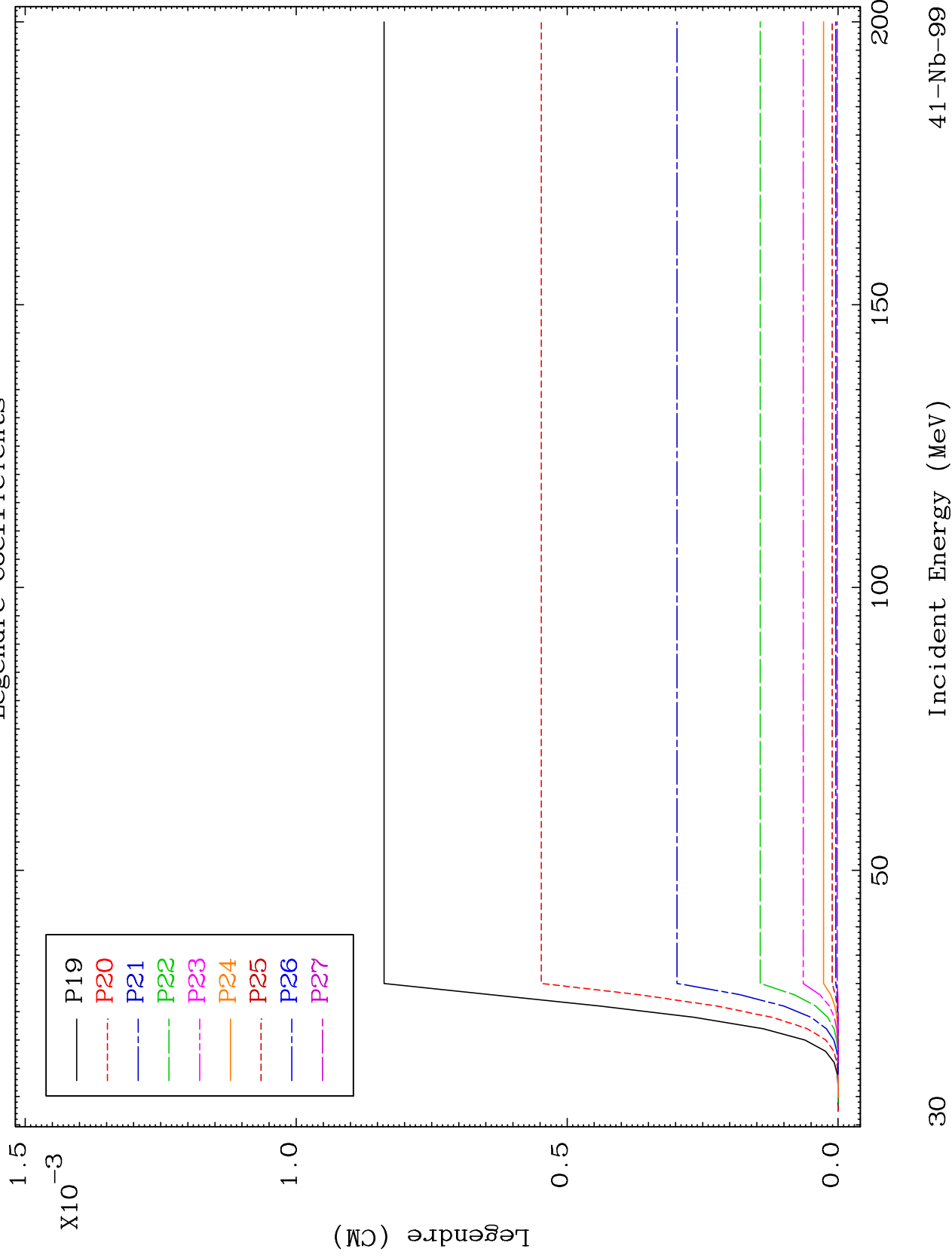
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



30

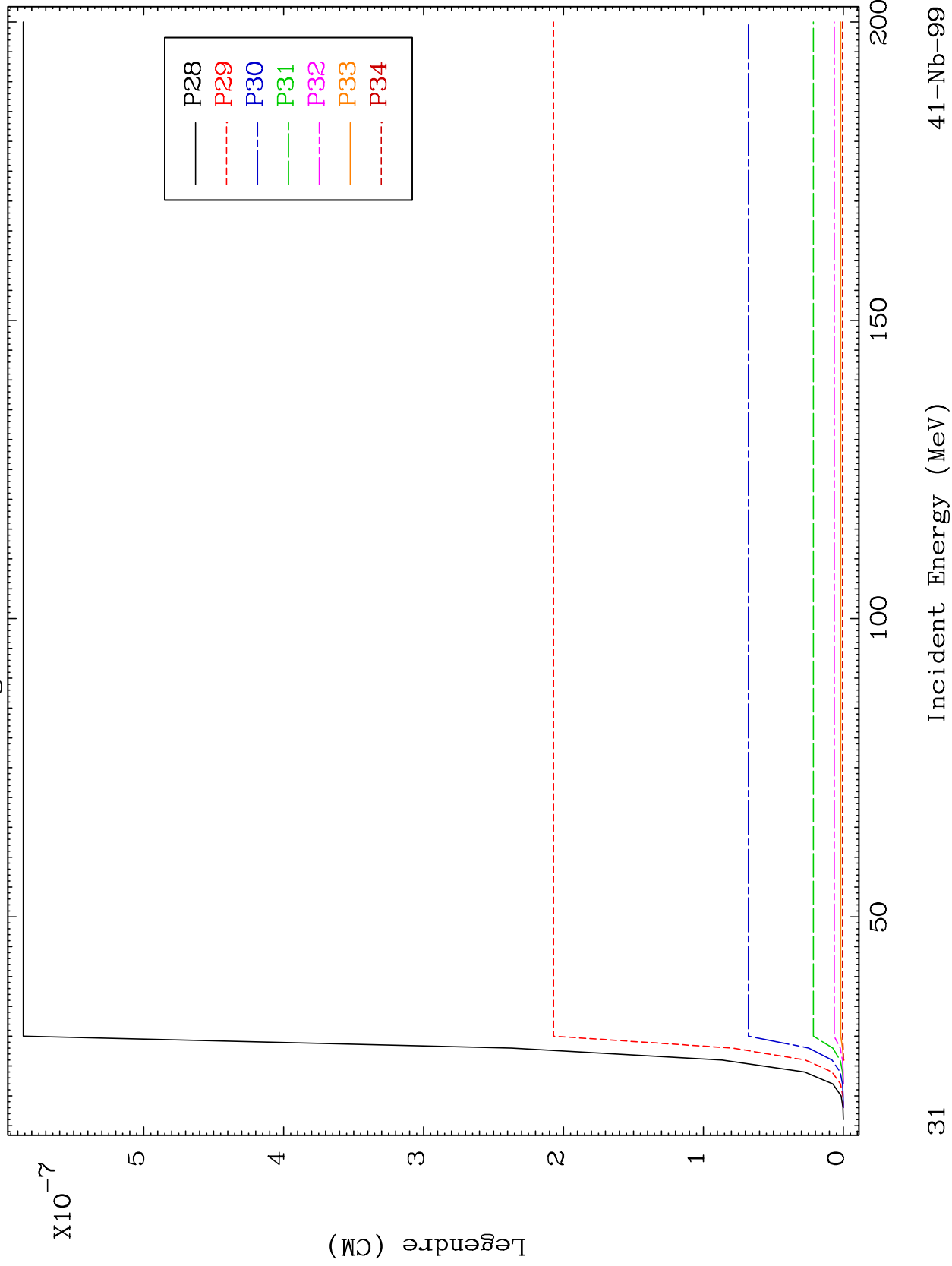
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



31

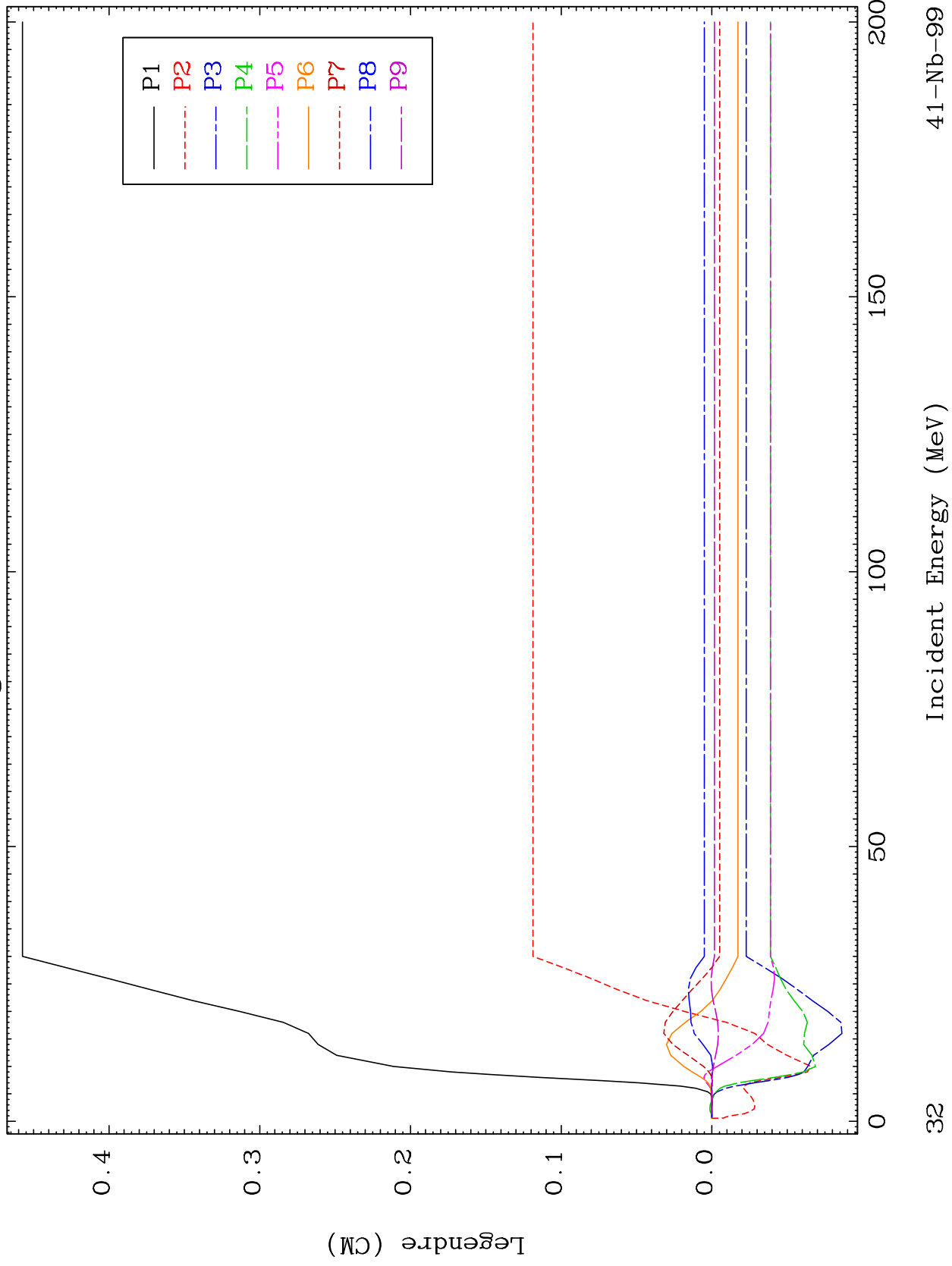
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



41-Nb-99

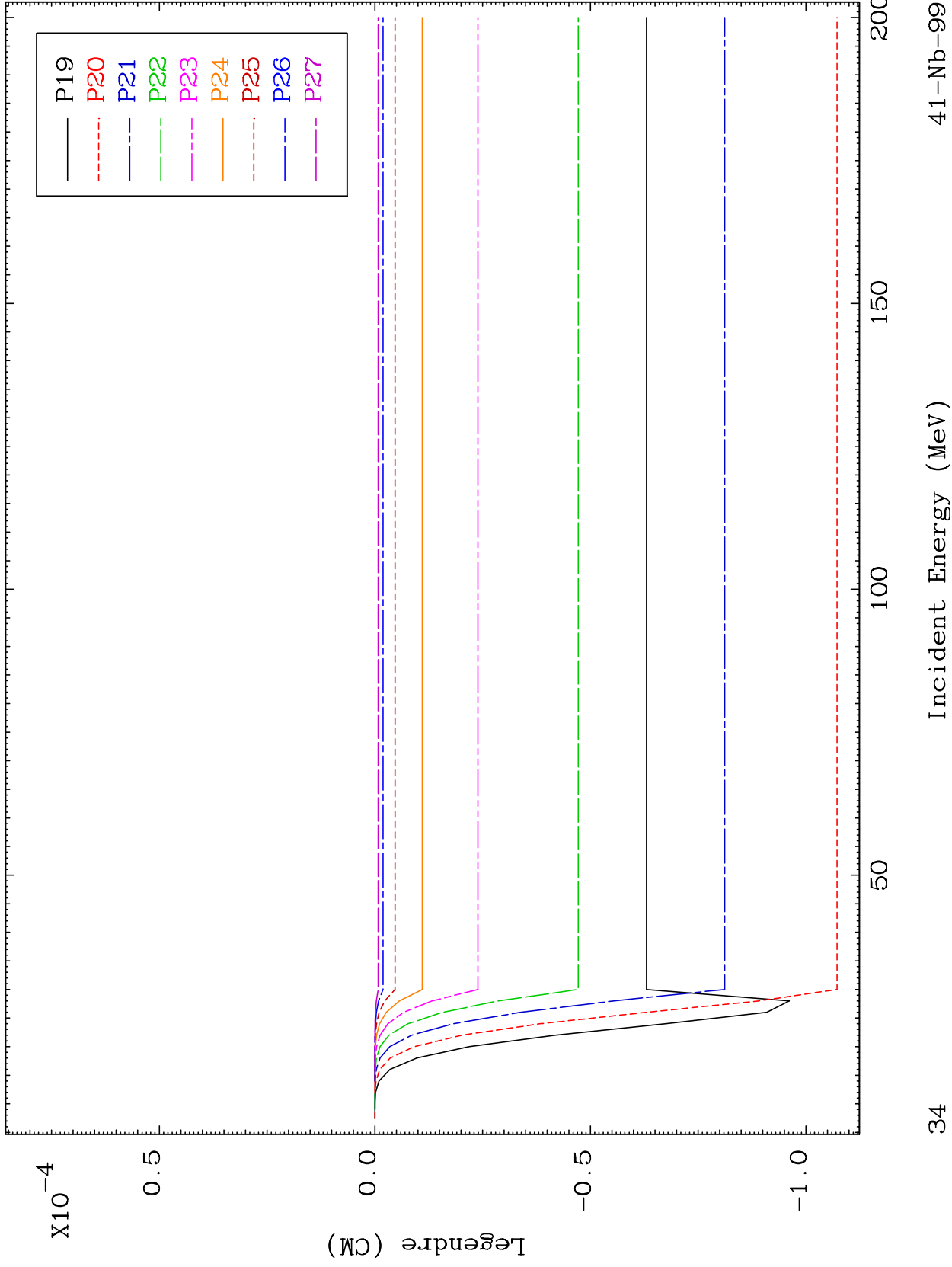
Incident Energy (MeV)

32

MAT 4143

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

41-Nb-99



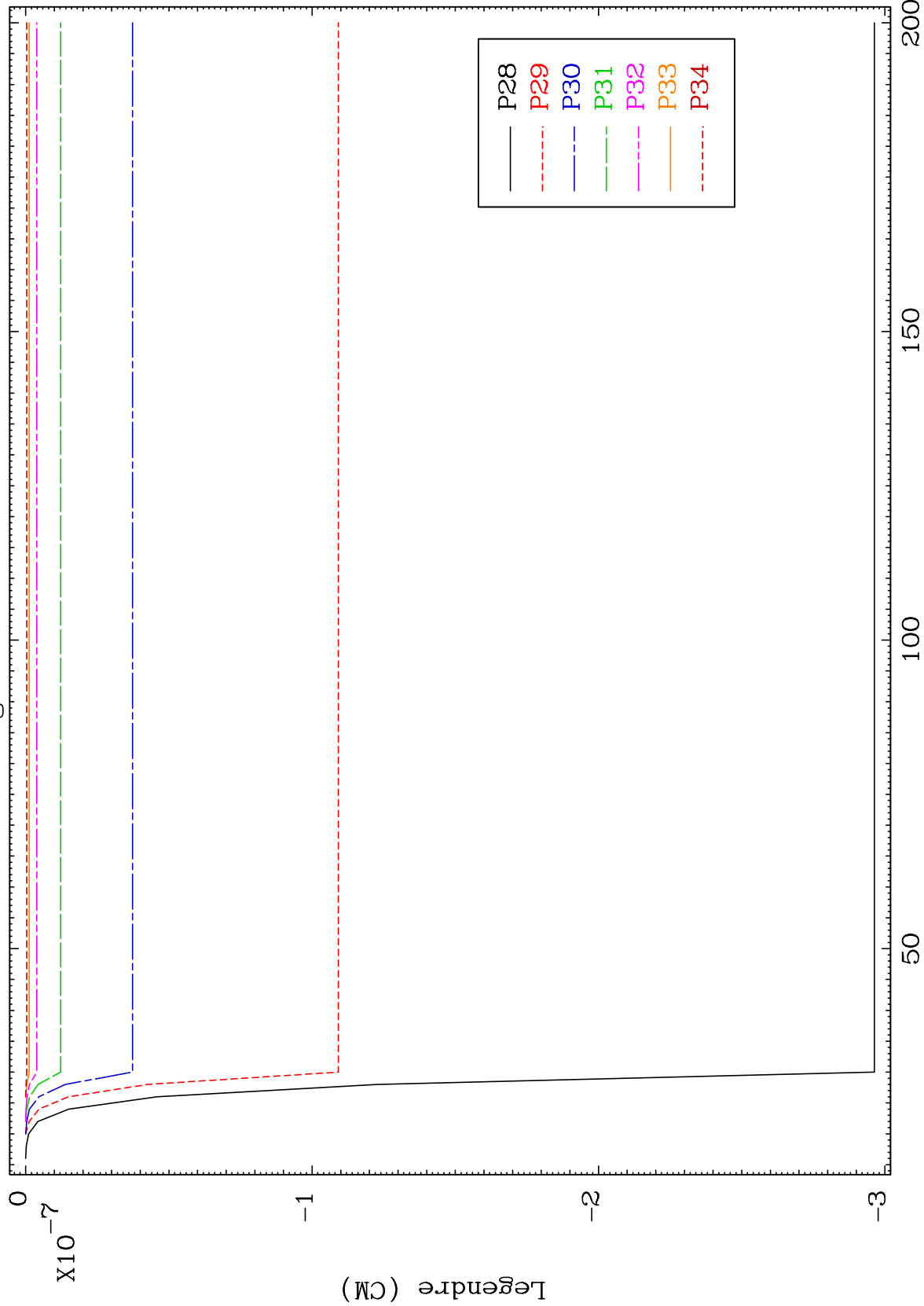
34

MAT 4143

MT= 54 (n,n') Level

41-Nb-99

Legendre Coefficients



35

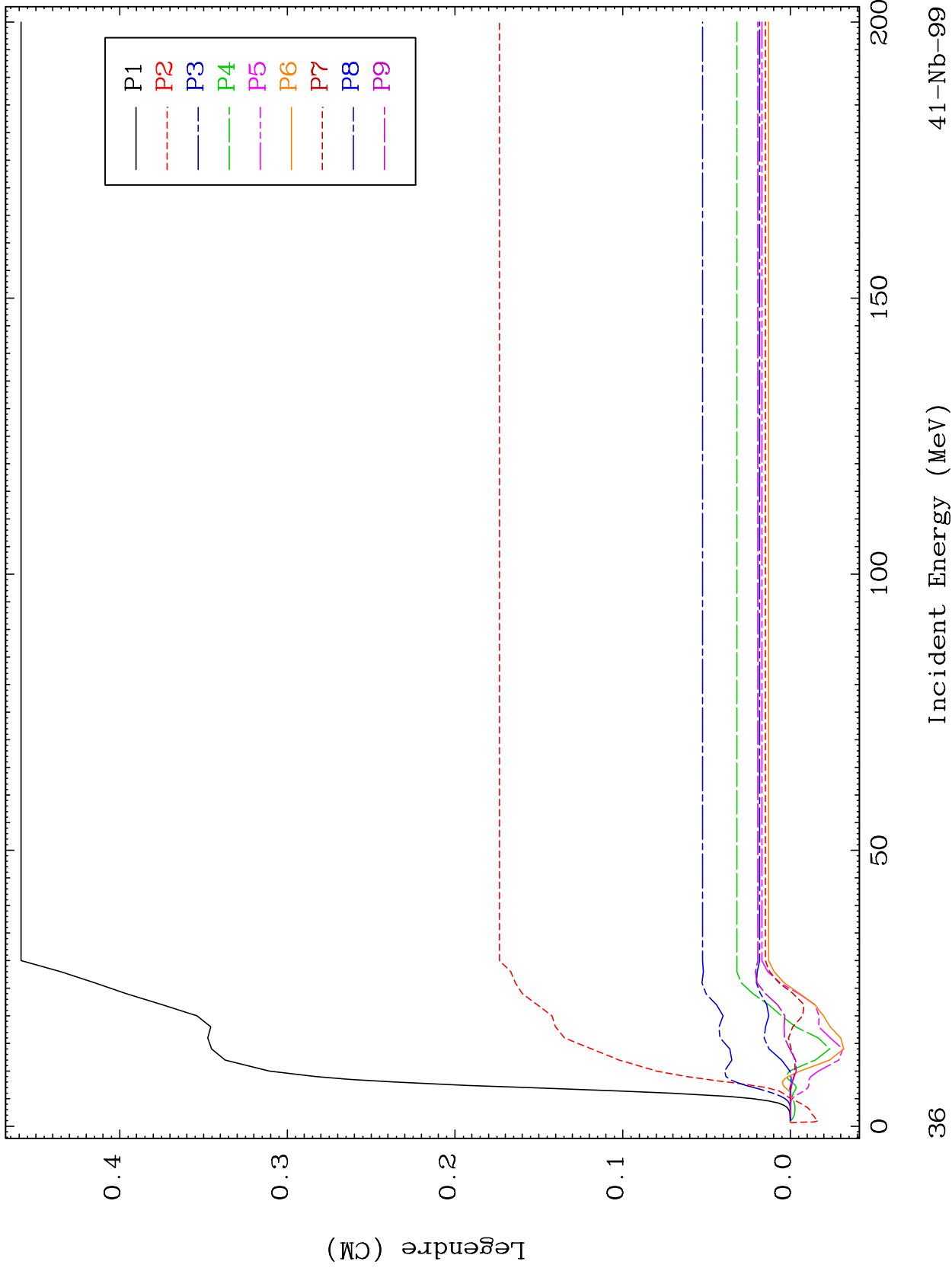
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



36

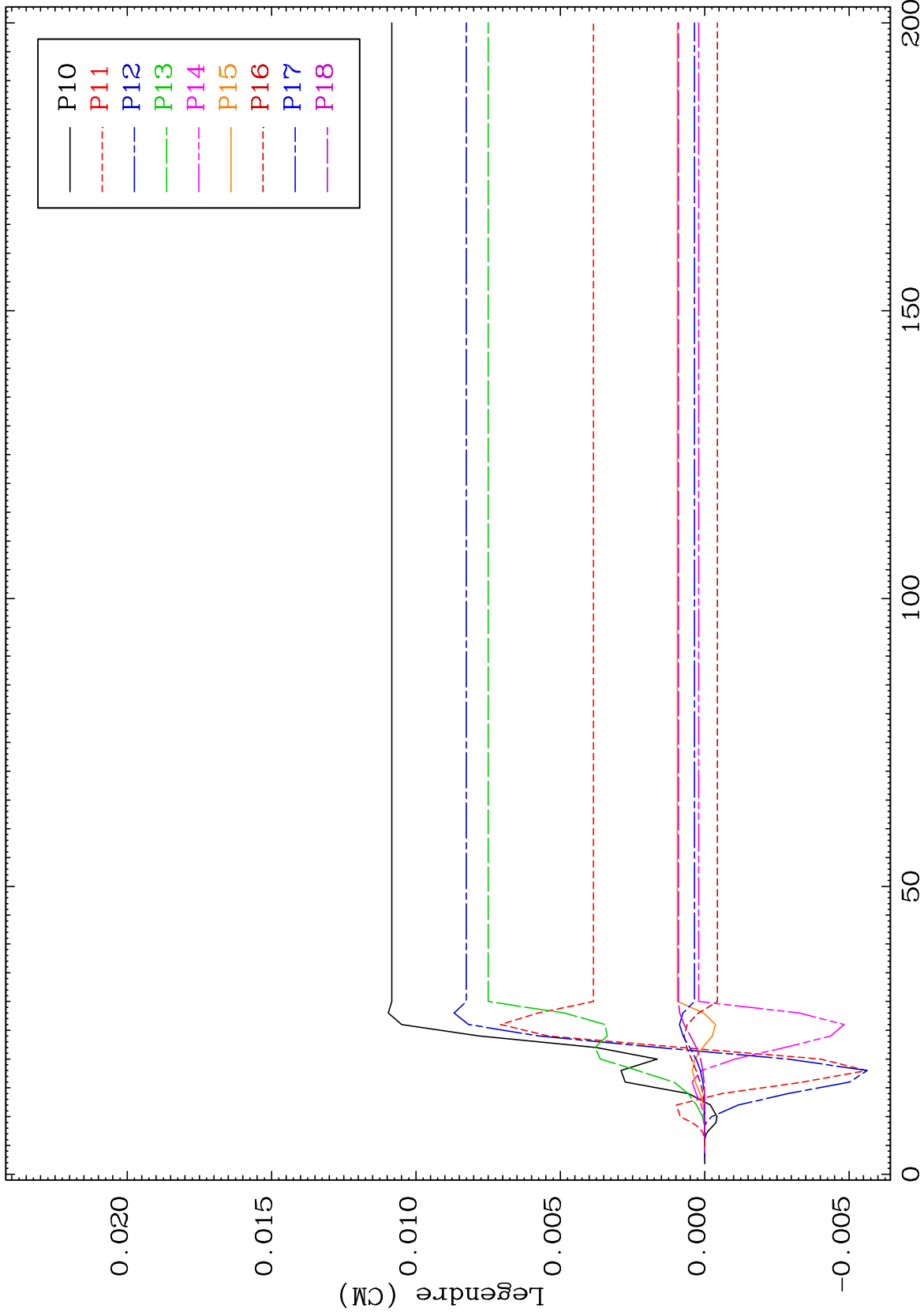
Incident Energy (MeV)

41-Nb-99

MAT 4143

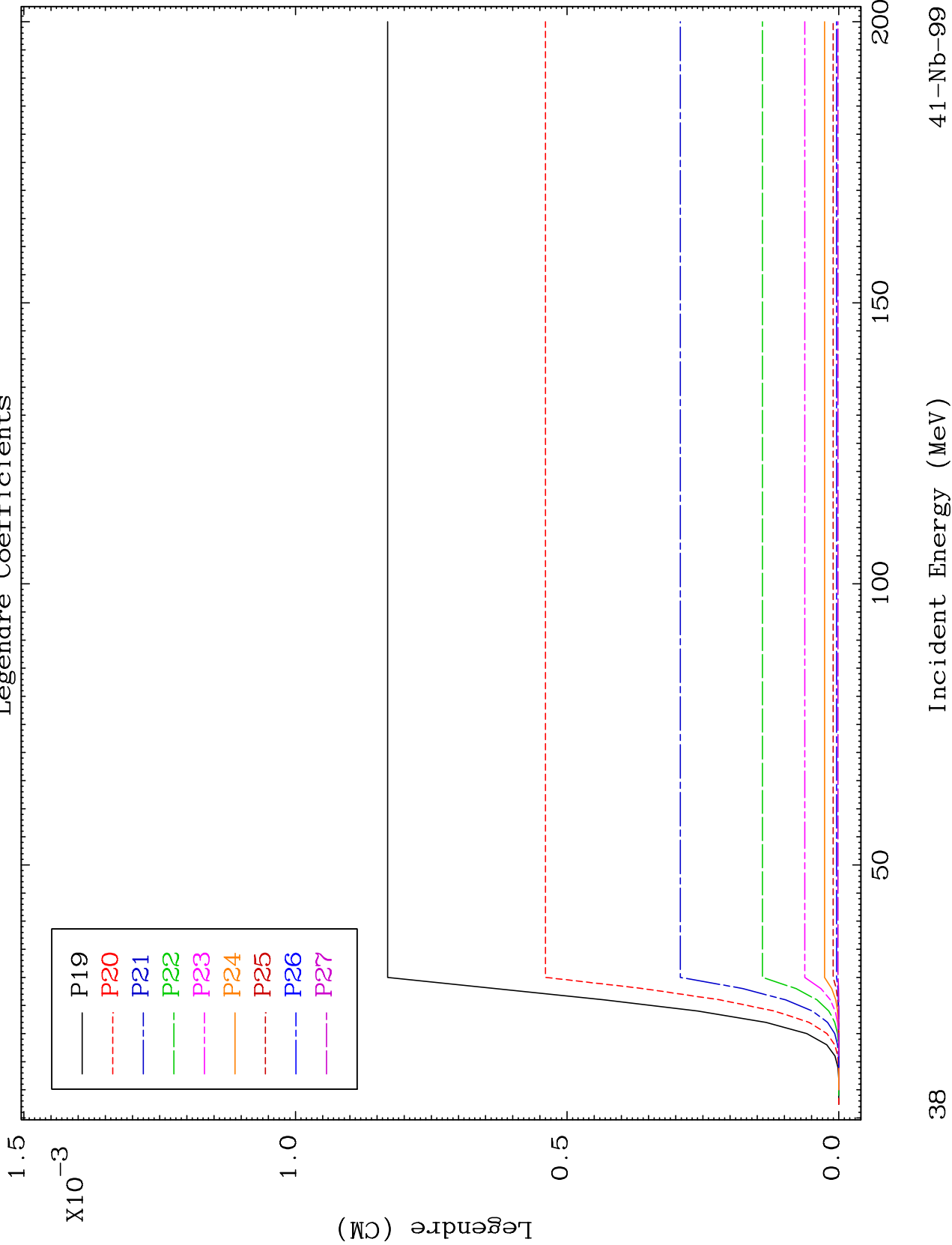
MT= 55 (n,n') Level
Legendre Coefficients

41-Nb-99



37

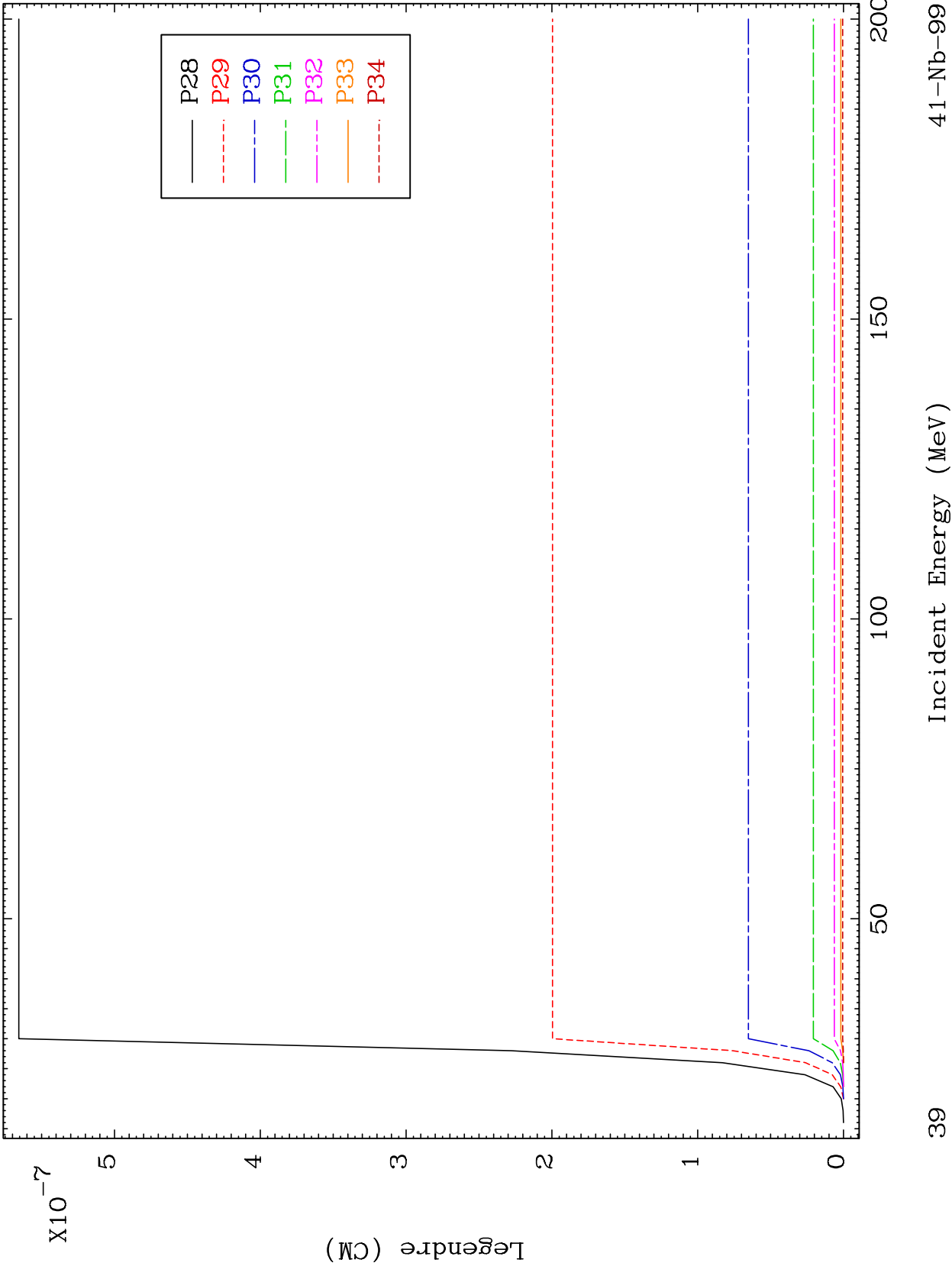
41-Nb-99



MAT 4143

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

41-Nb-99



39

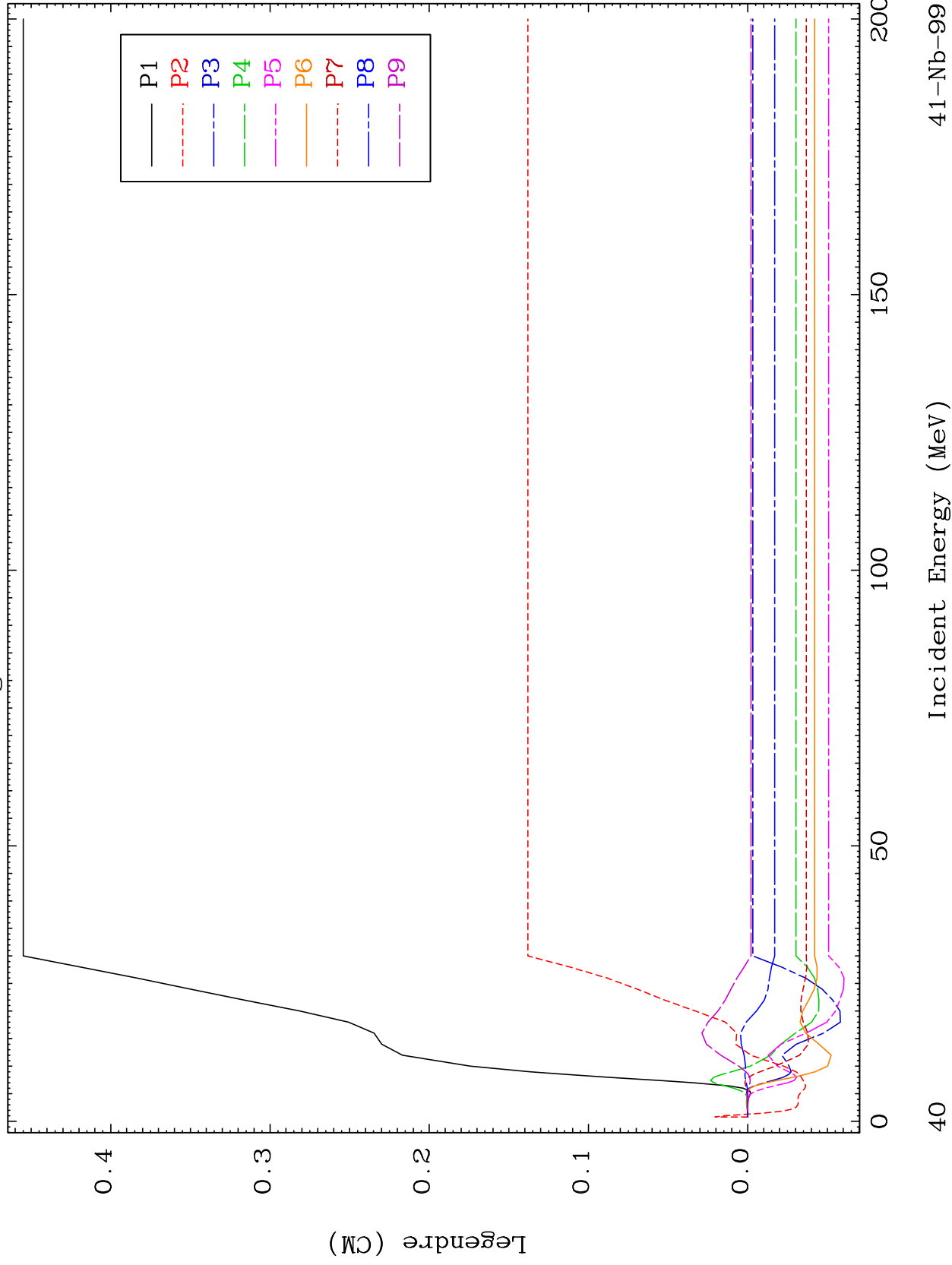
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



41-Nb-99

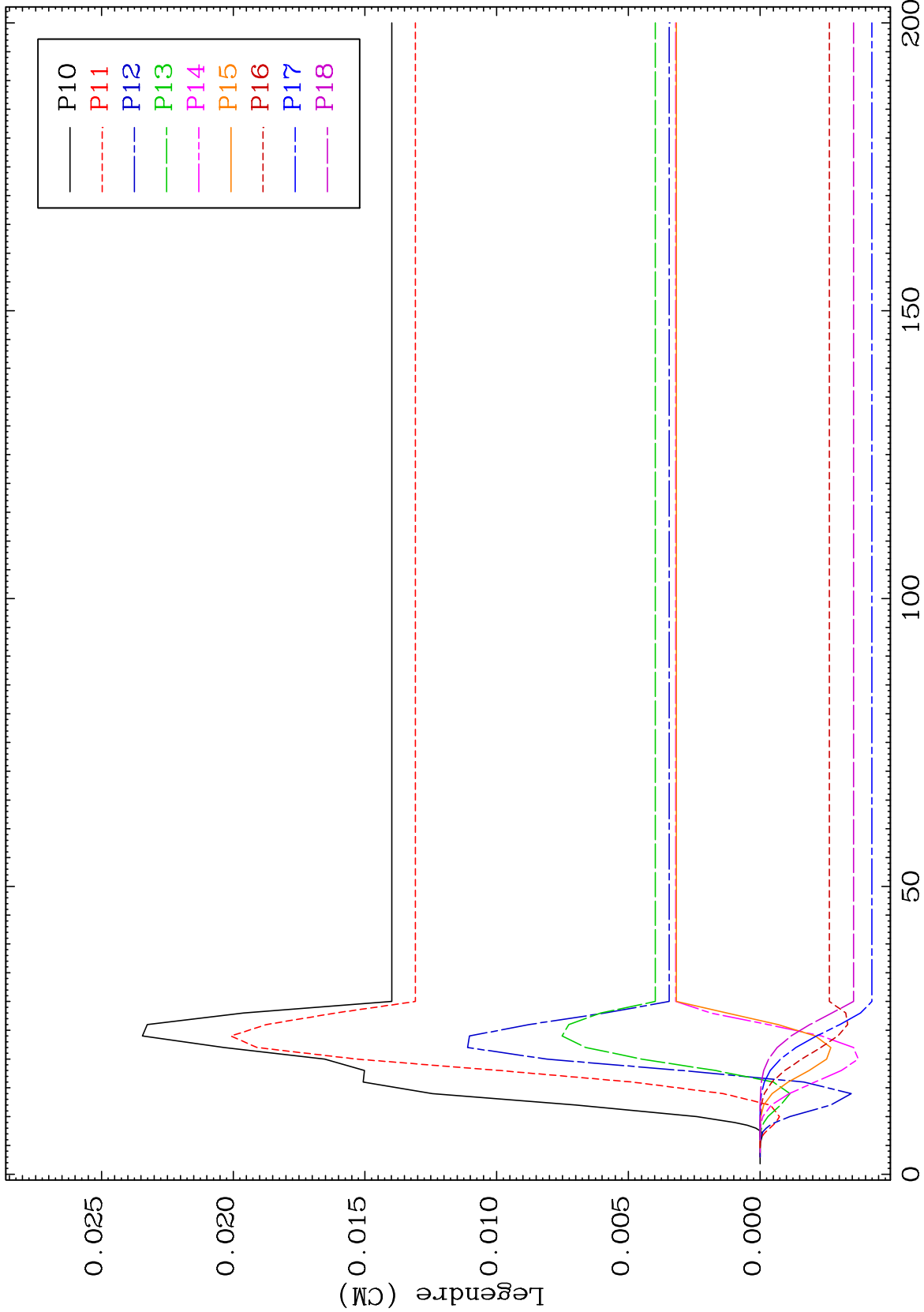
Incident Energy (MeV)

40

MAT 4143

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

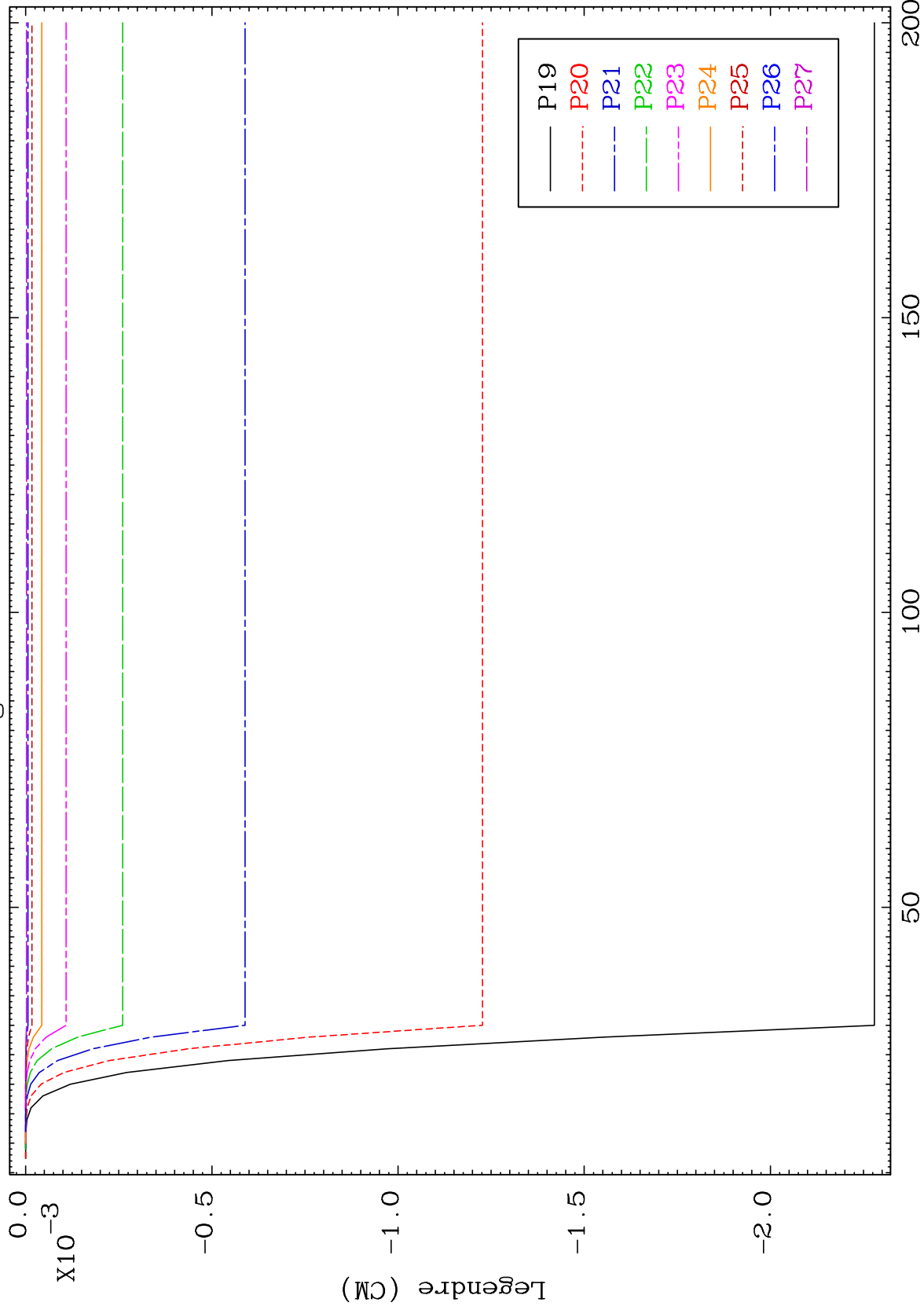
41-Nb-99



41

Incident Energy (MeV)

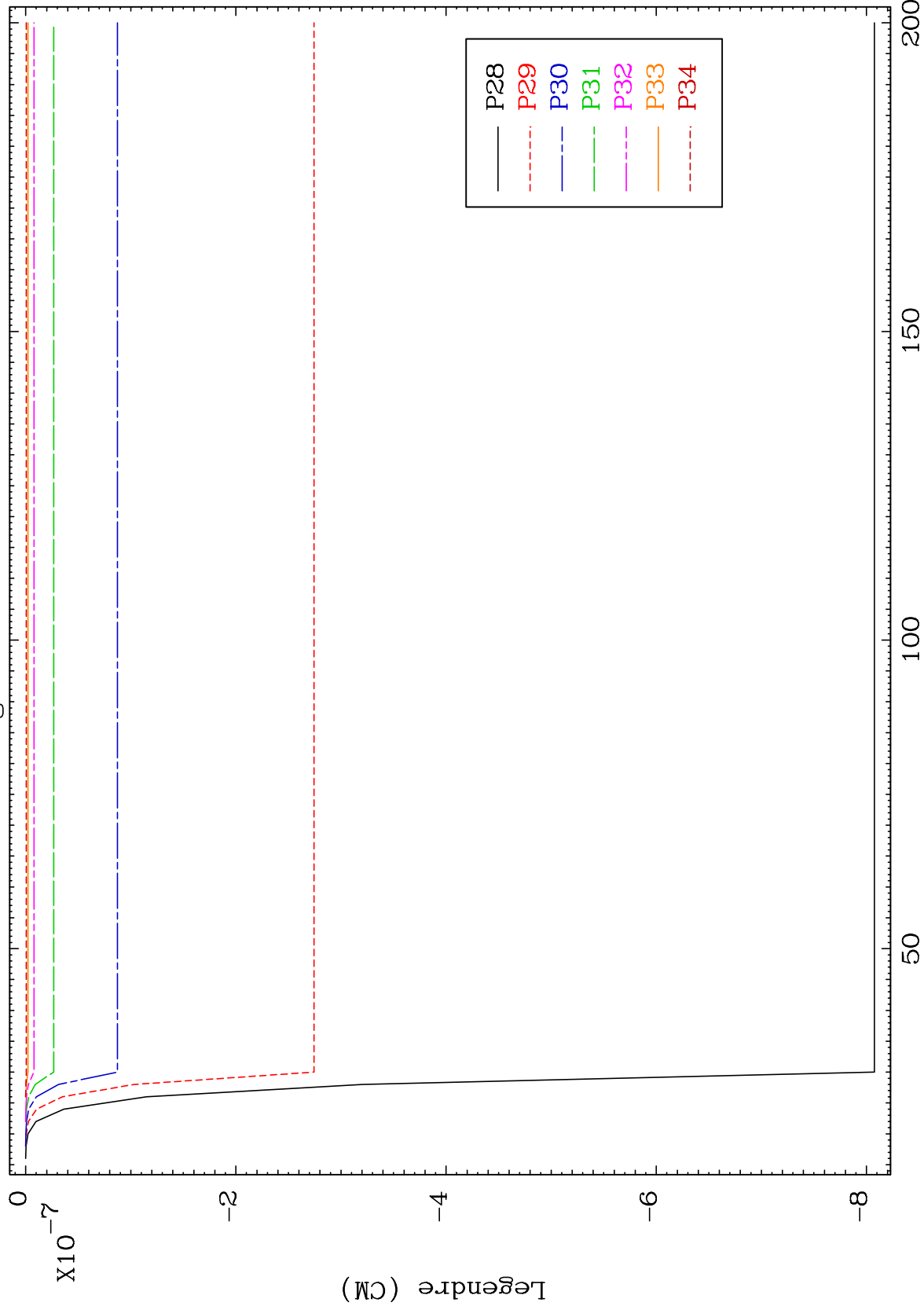
41-Nb-99



MAT 4143

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

41-Nb-99



43

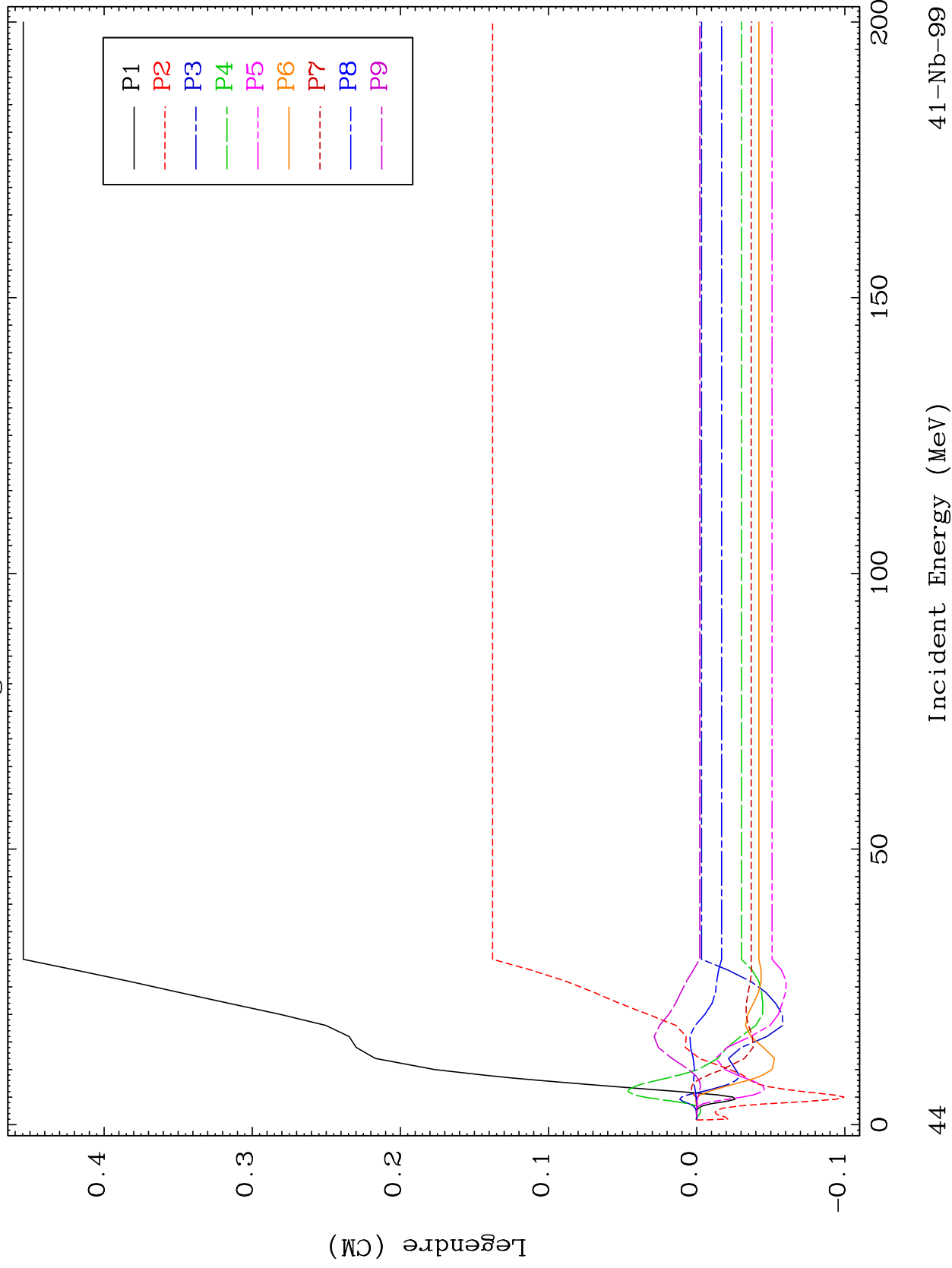
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99

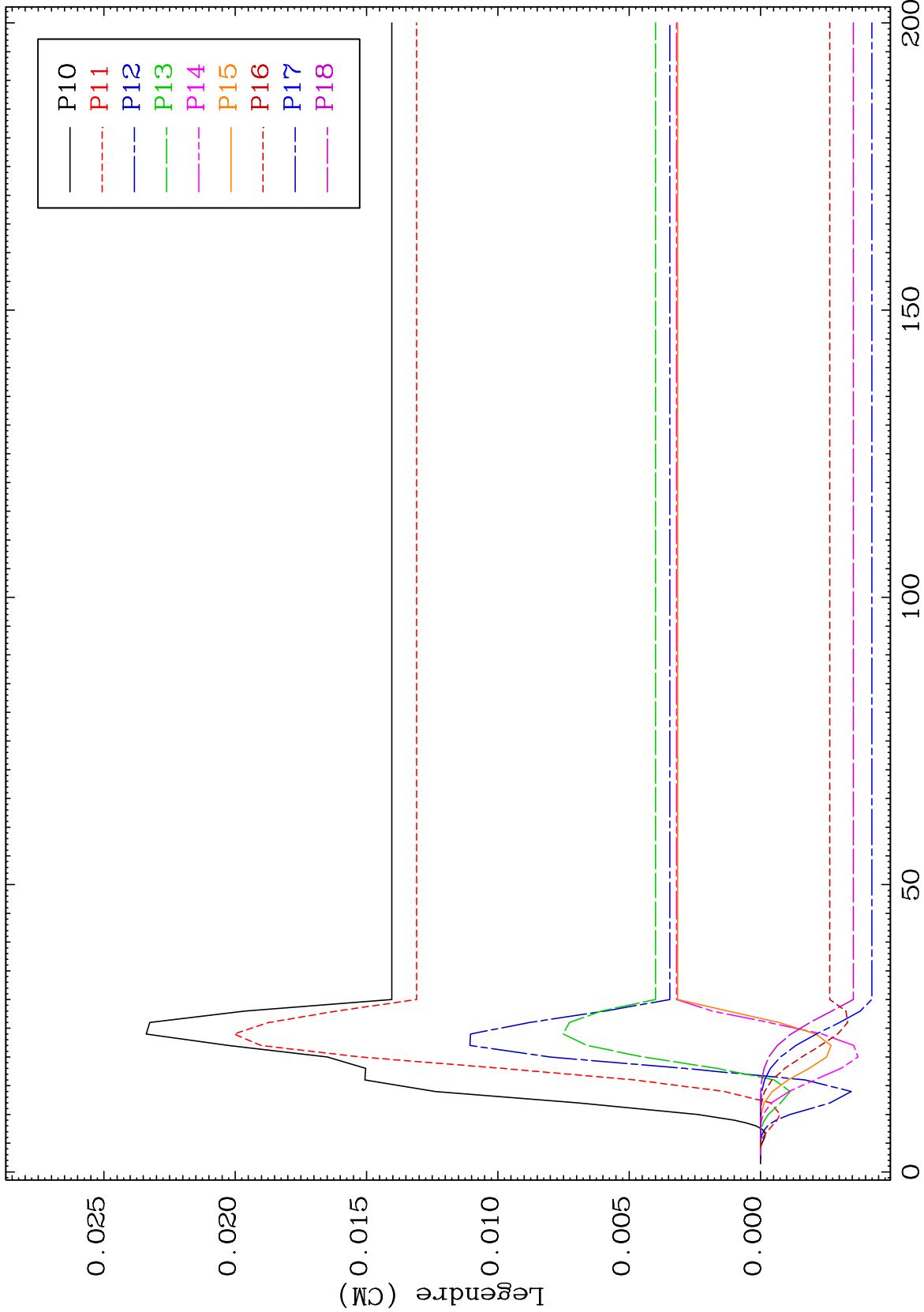


44

MAT 4143

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

41-Nb-99



45

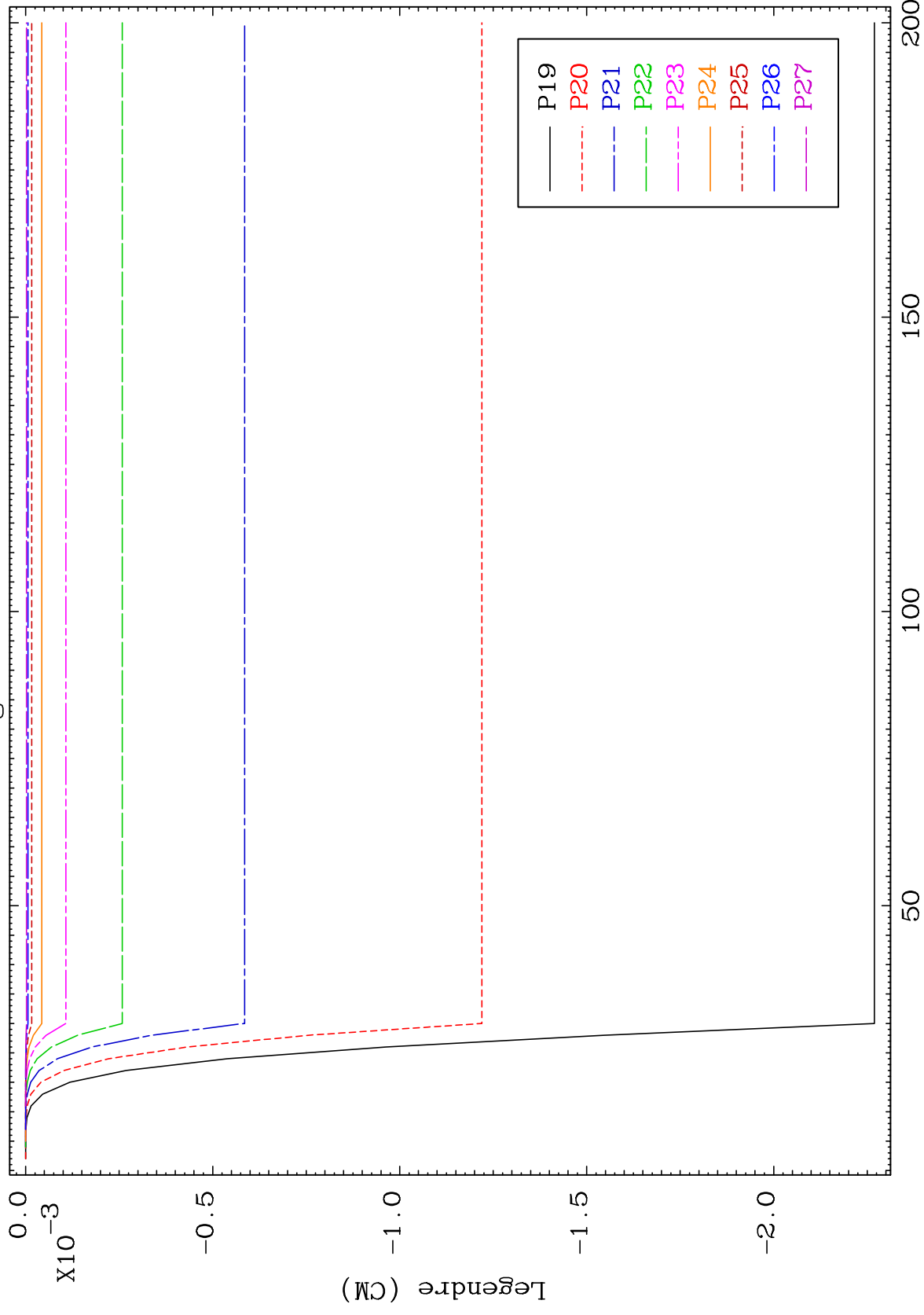
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



46

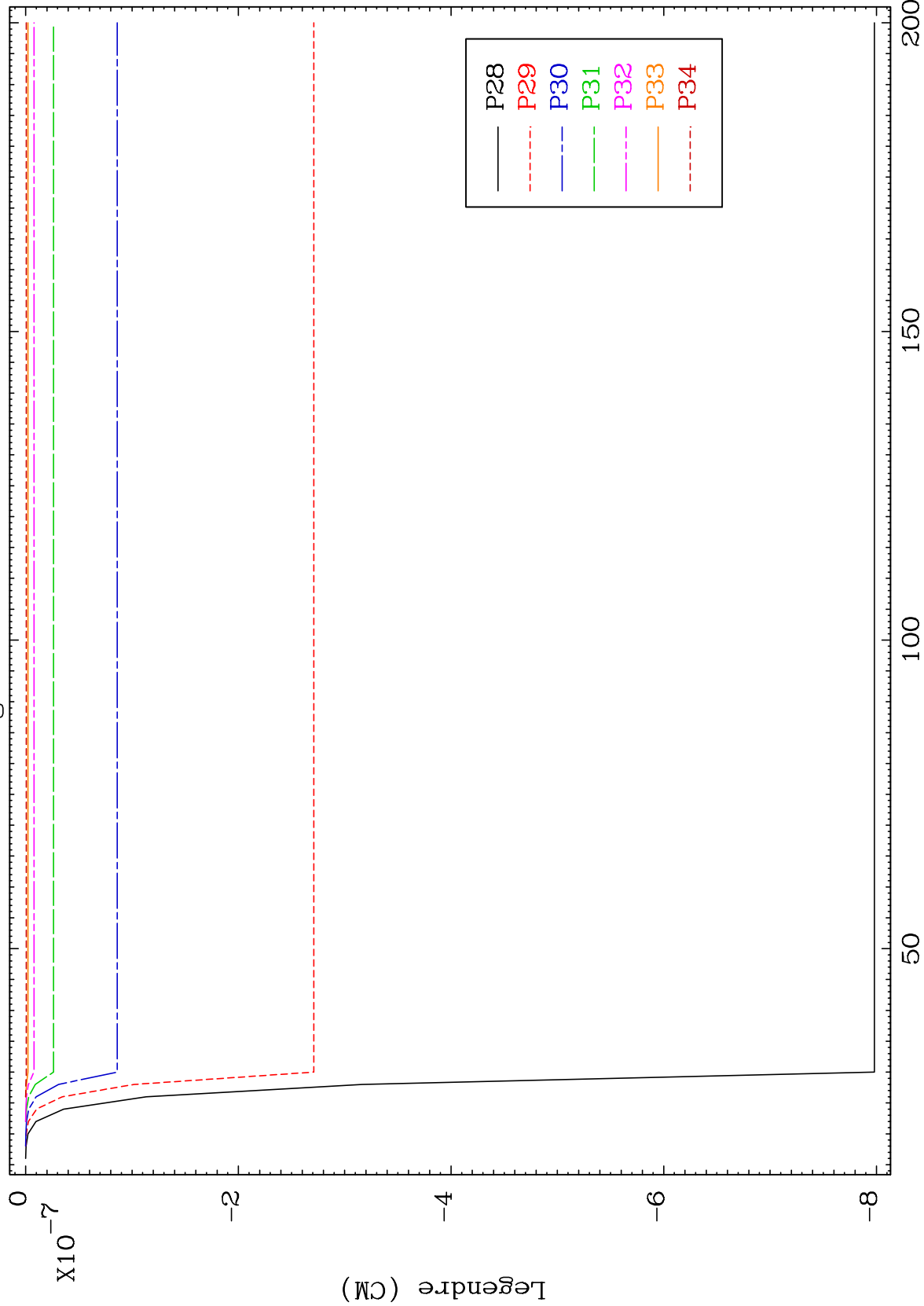
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



47

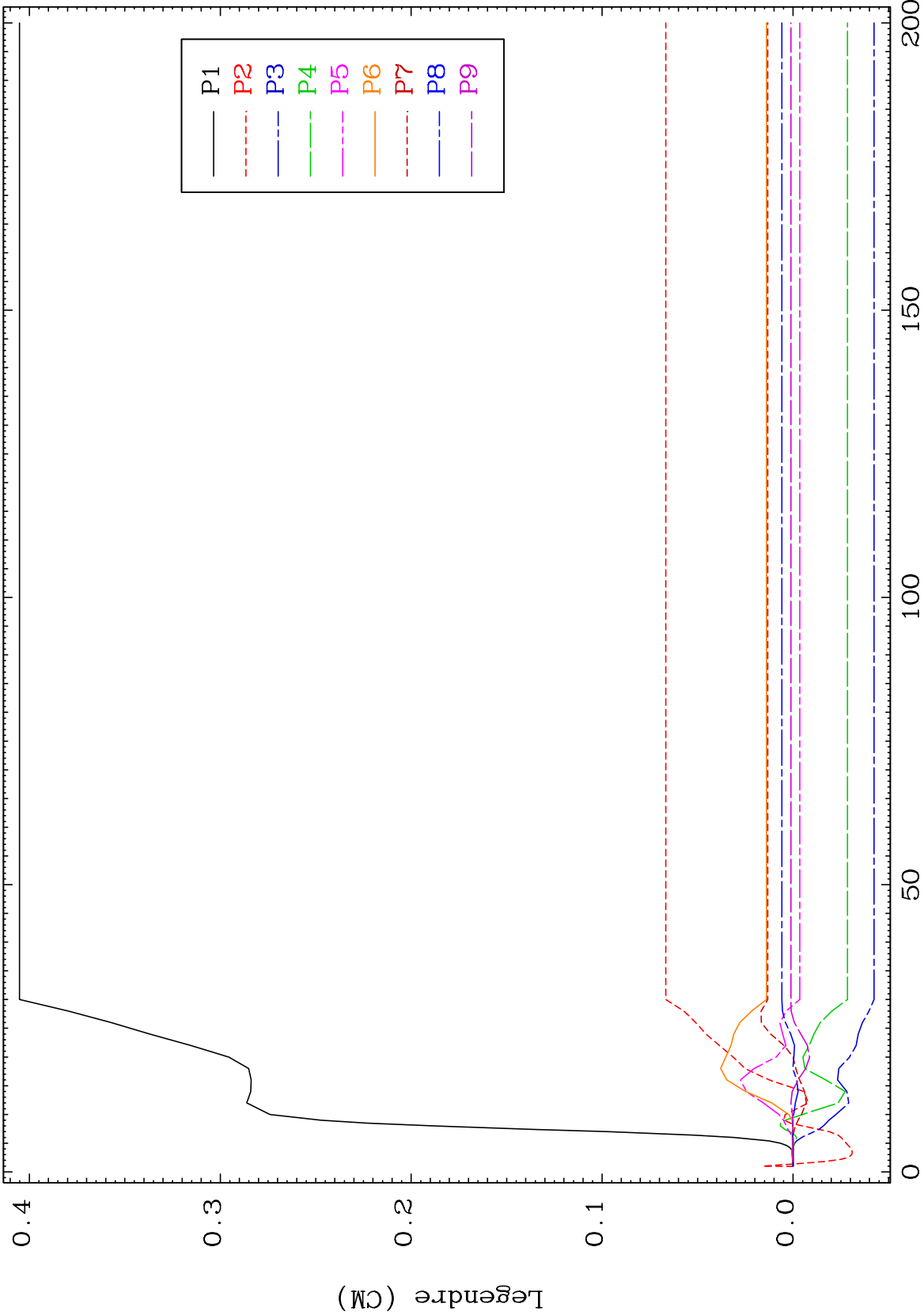
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



48

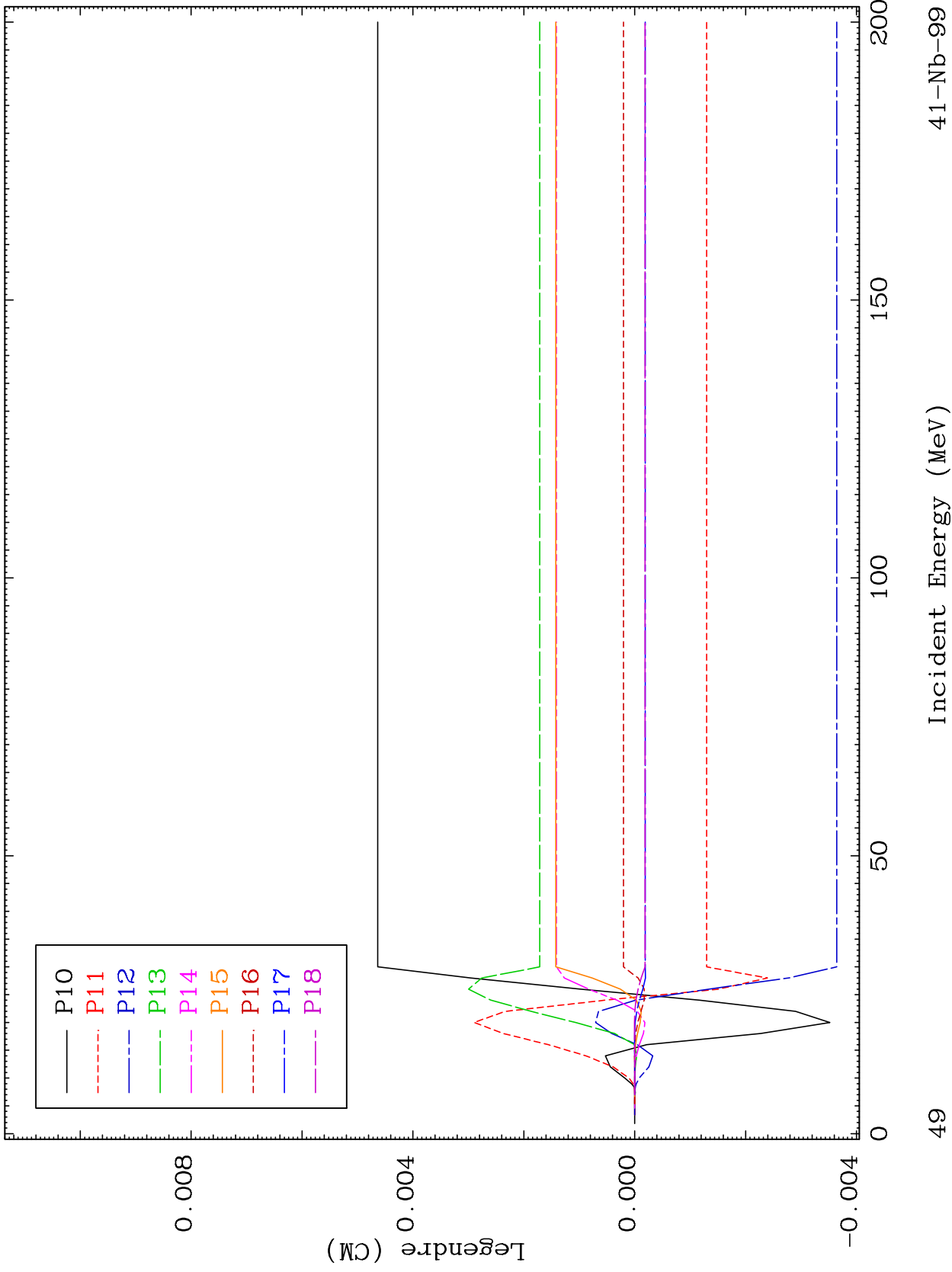
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



49

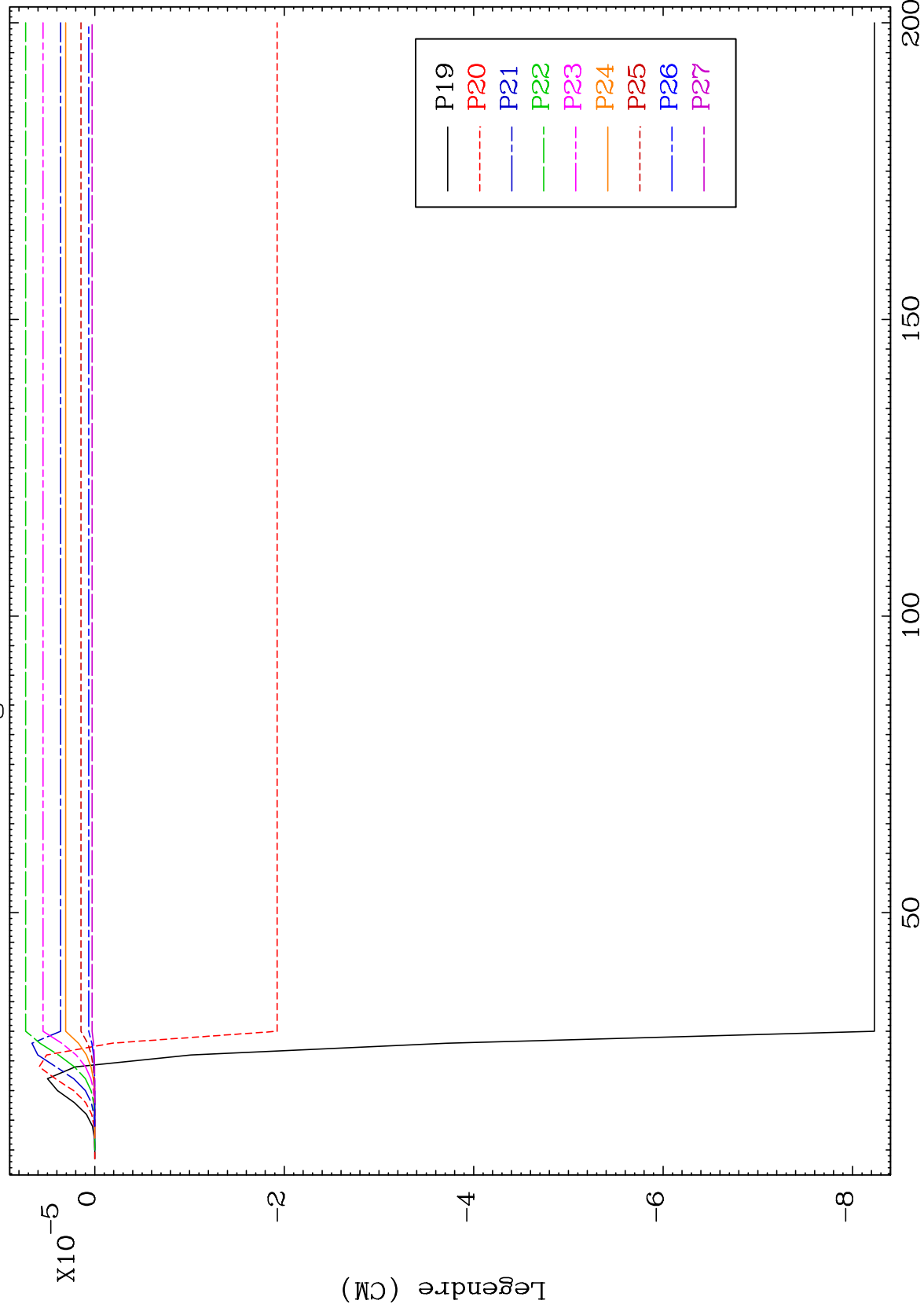
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

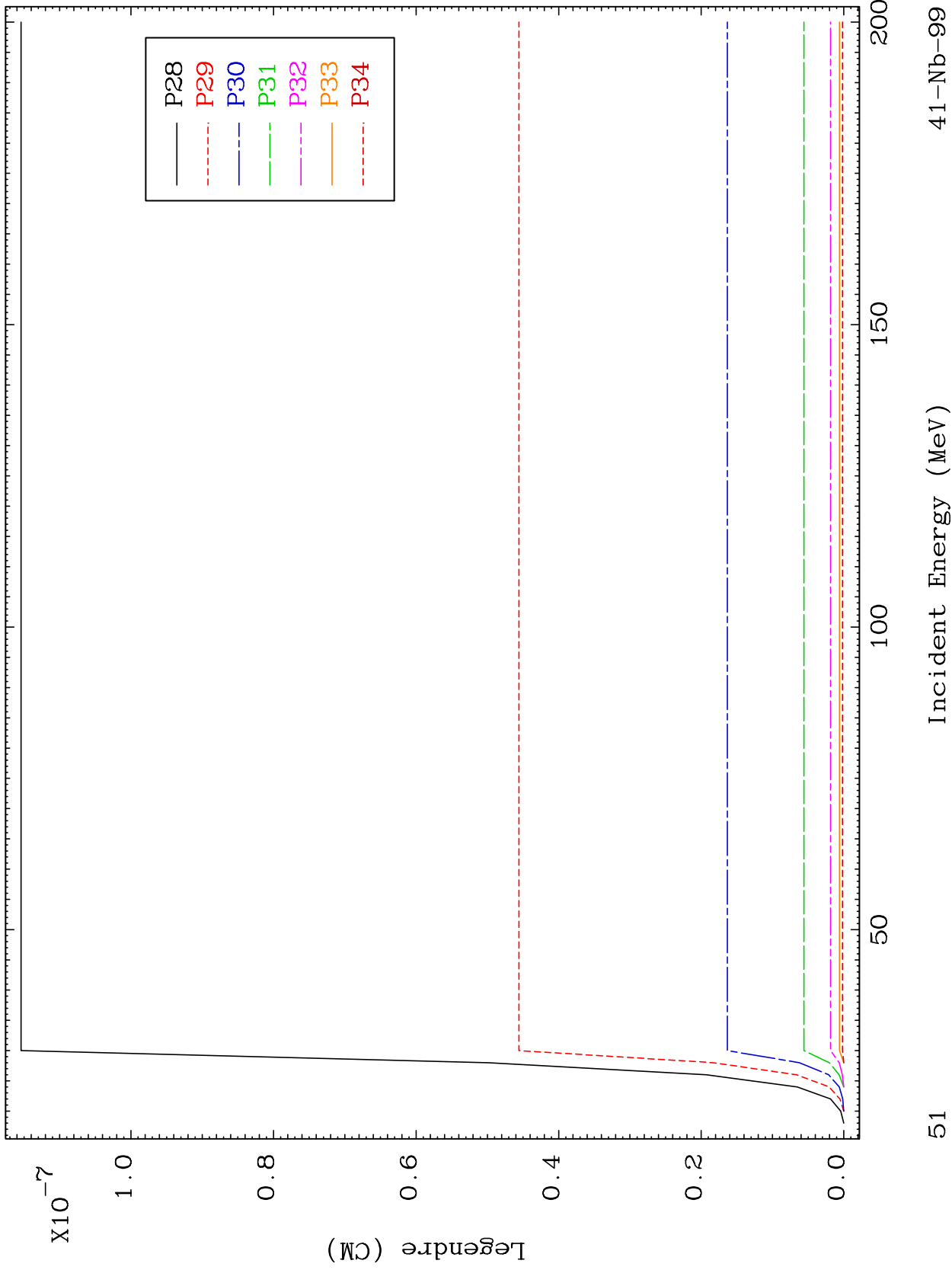
41-Nb-99



50

Incident Energy (MeV)

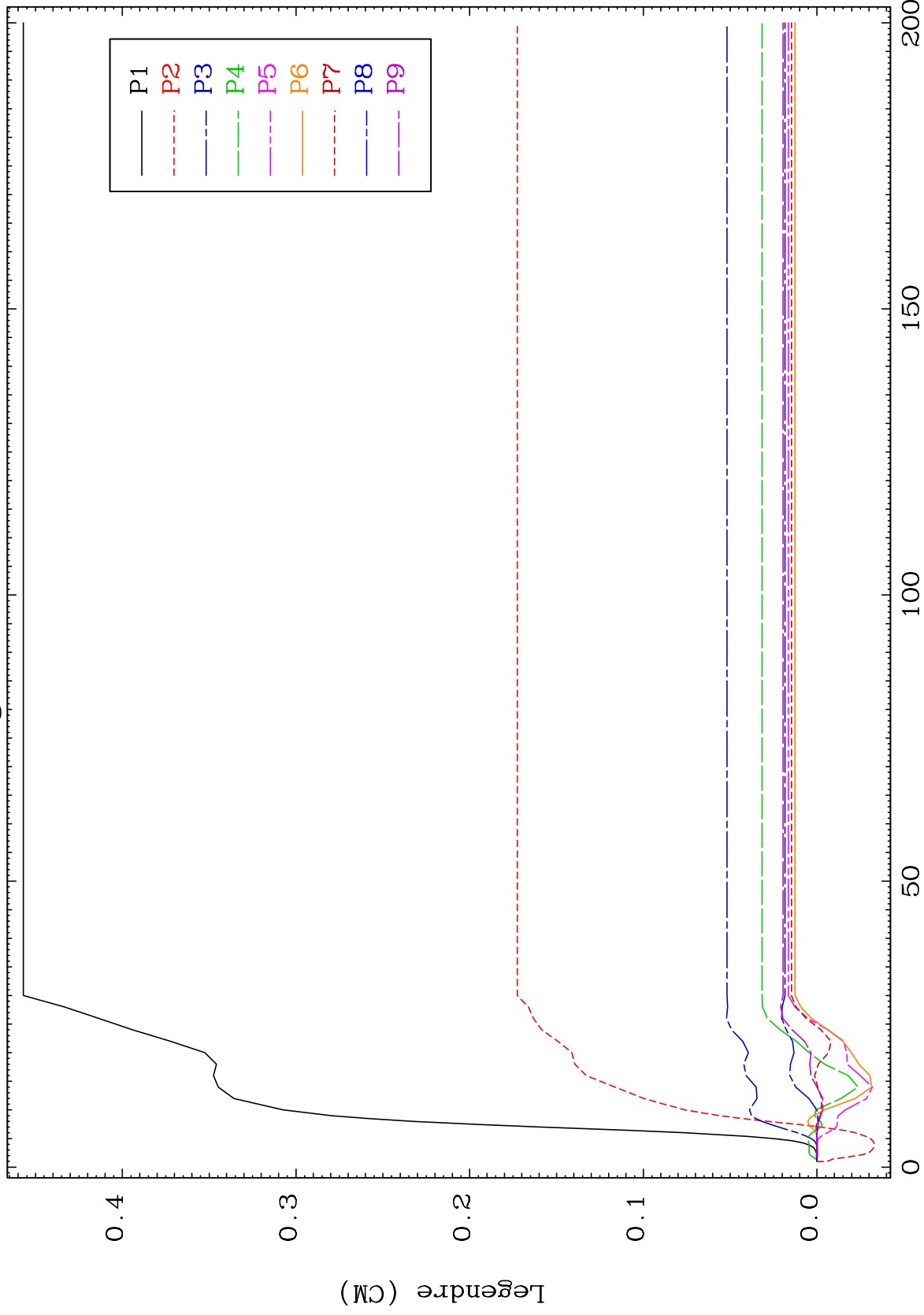
41-Nb-99



MAT 4143

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

41-Nb-99



52

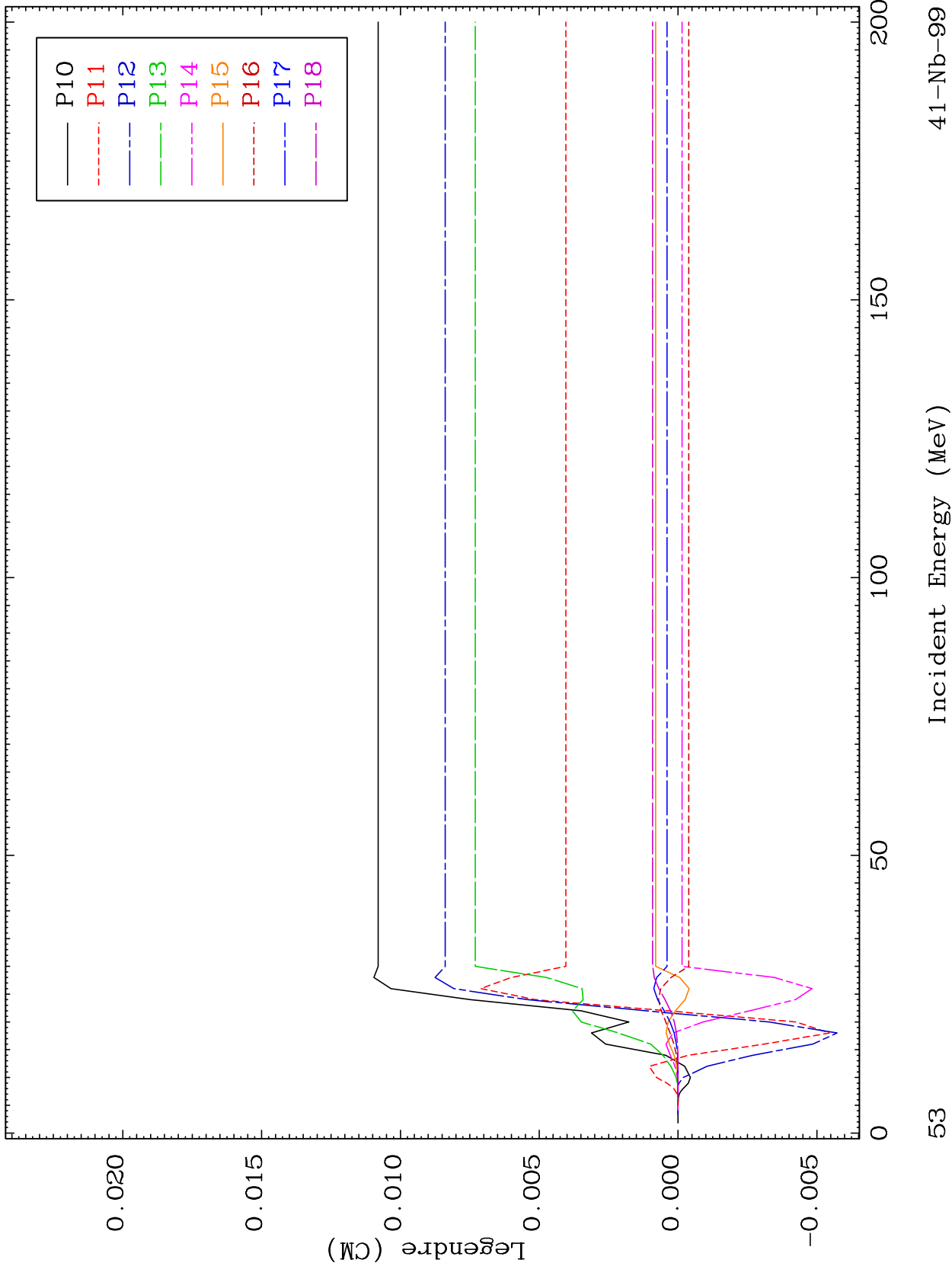
Incident Energy (MeV)

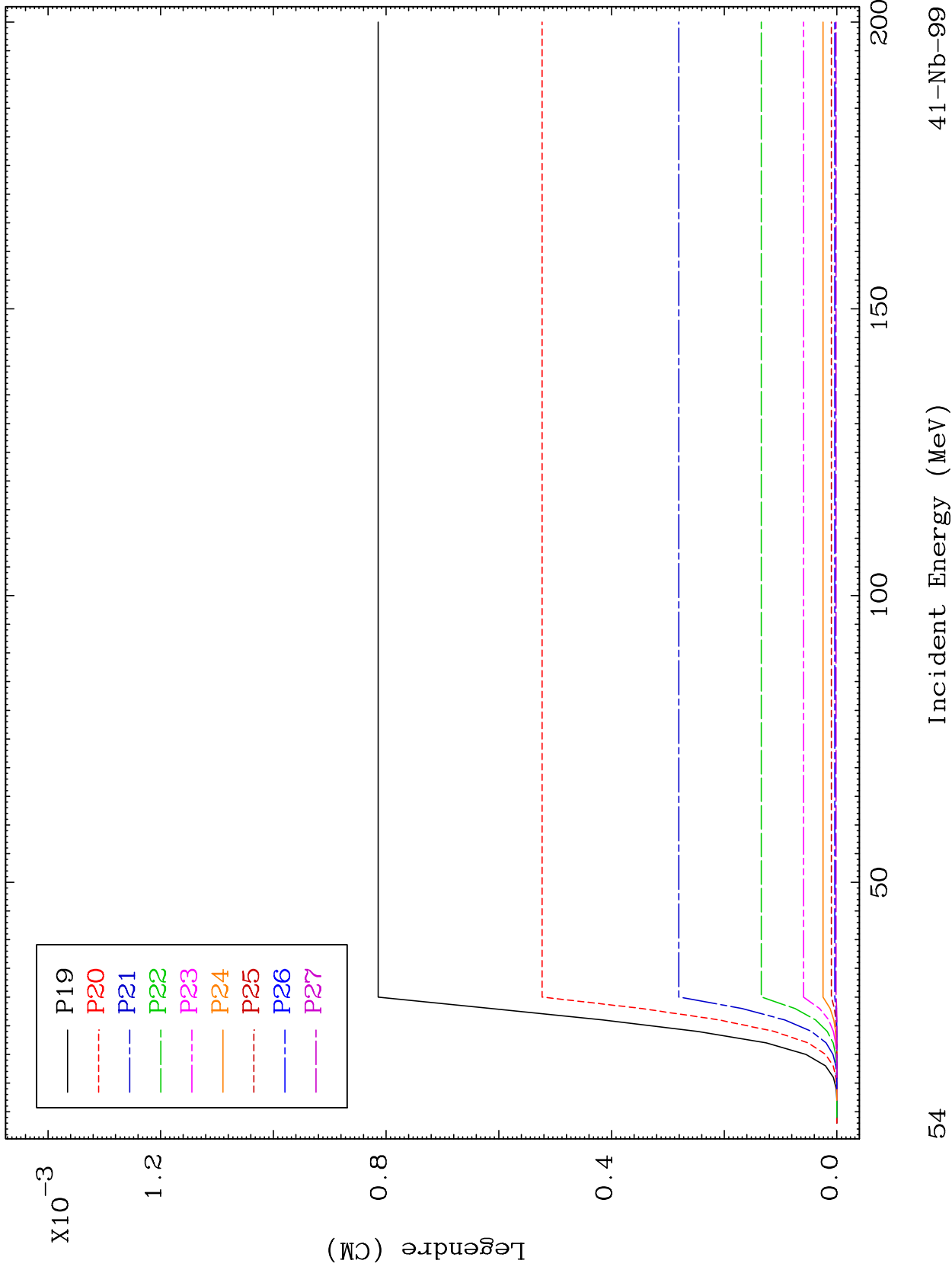
41-Nb-99

MAT 4143

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

41-Nb-99

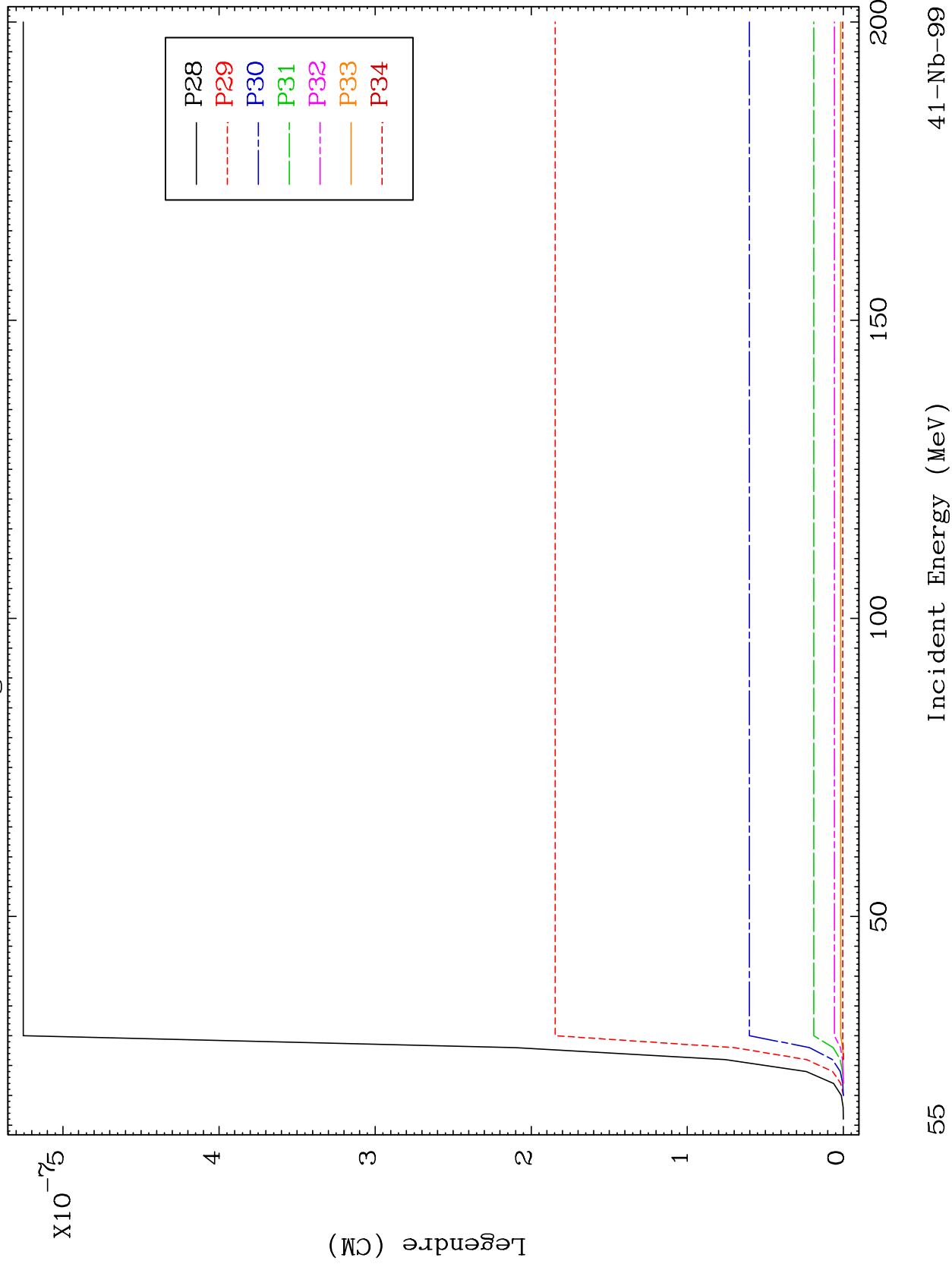




MAT 4143

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

41-Nb-99



55

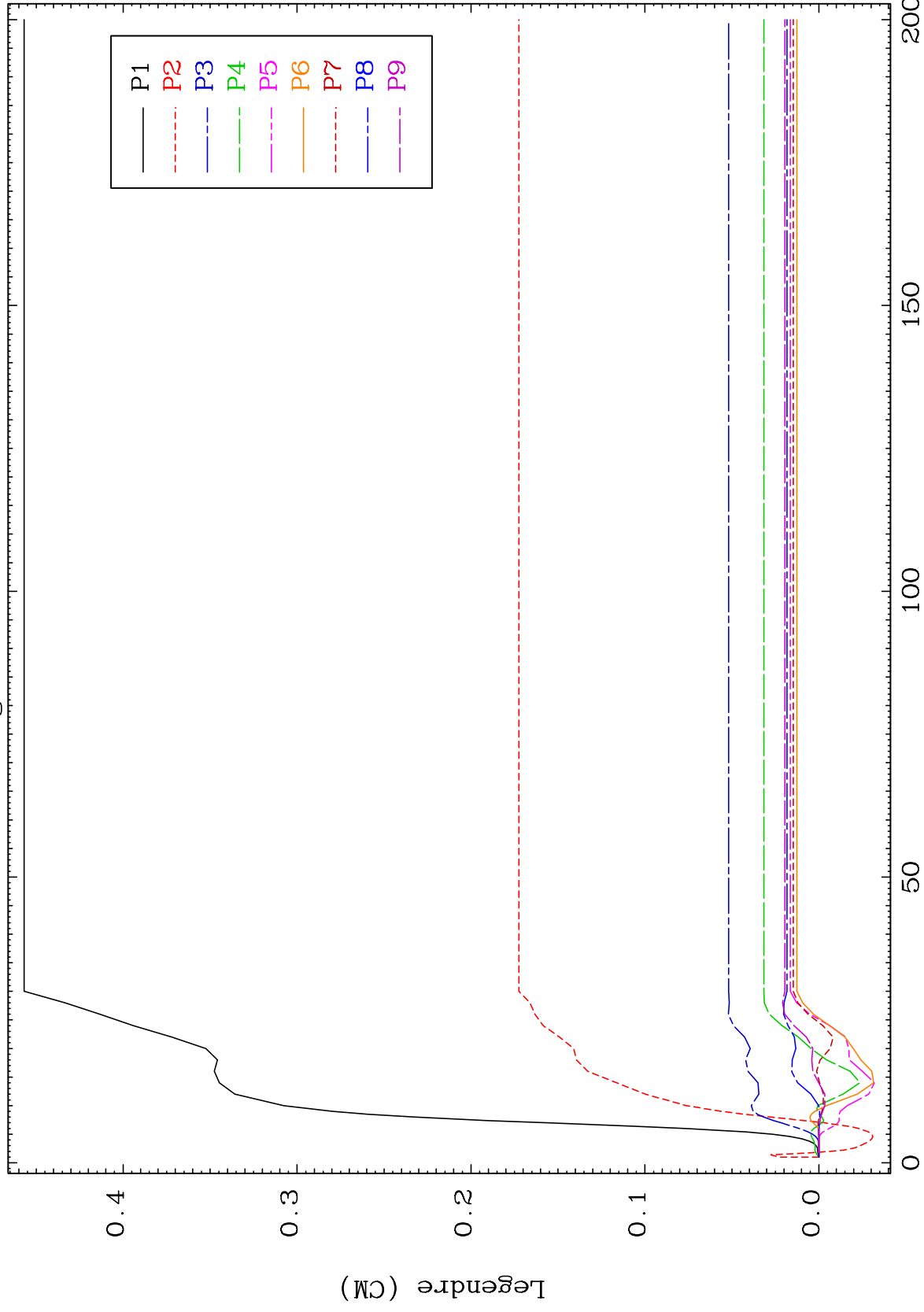
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



56

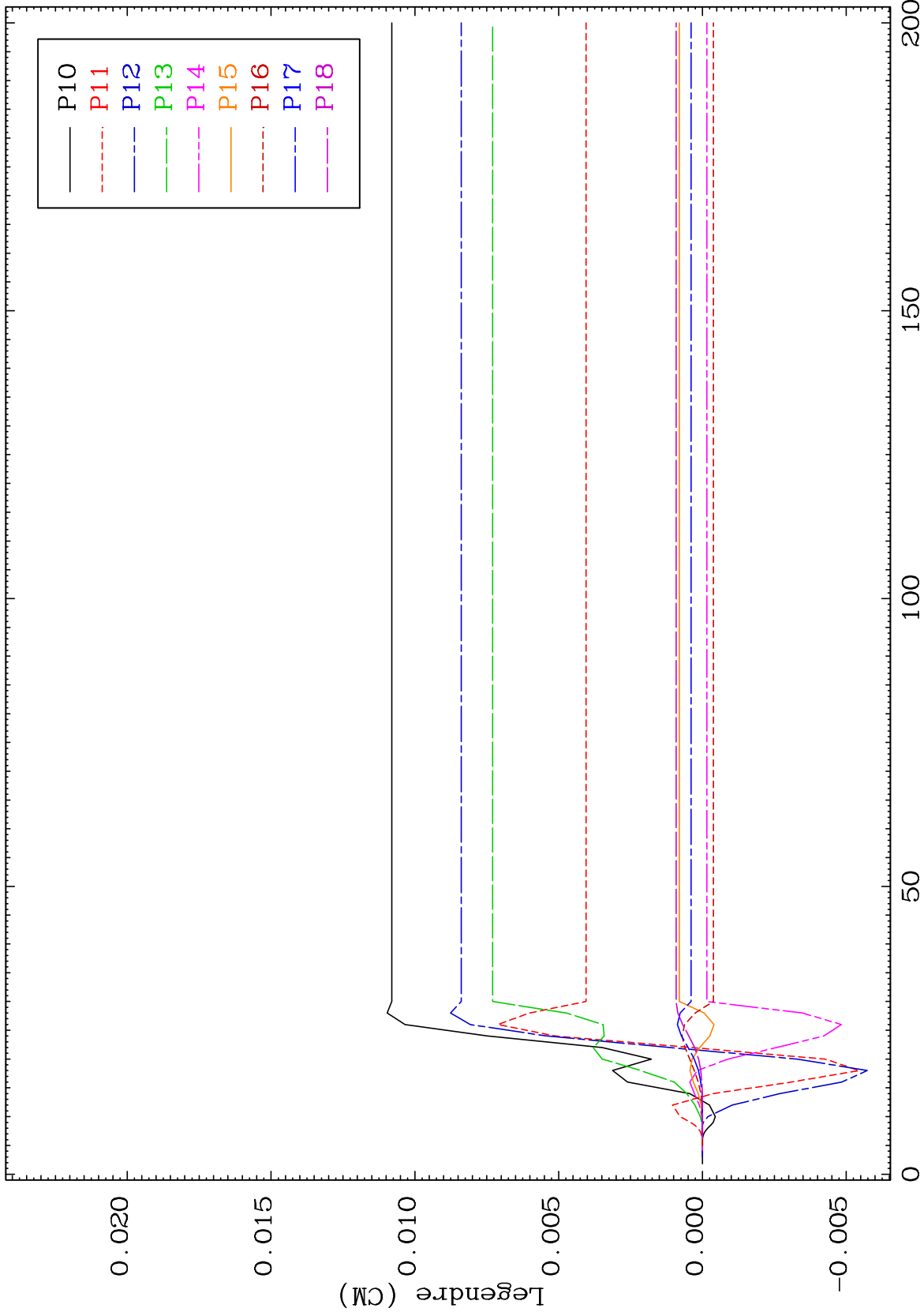
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

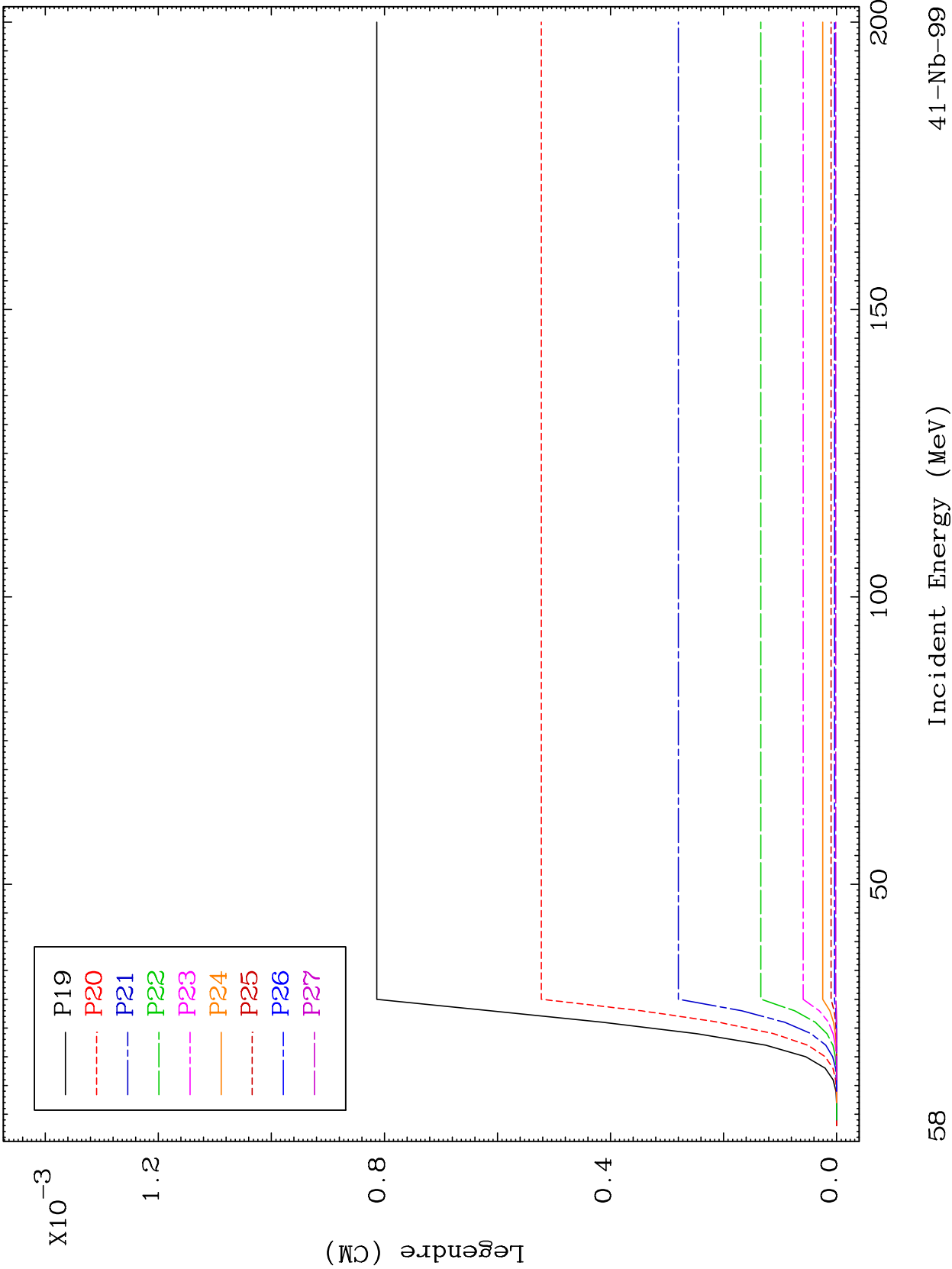
41-Nb-99



57

Incident Energy (MeV)

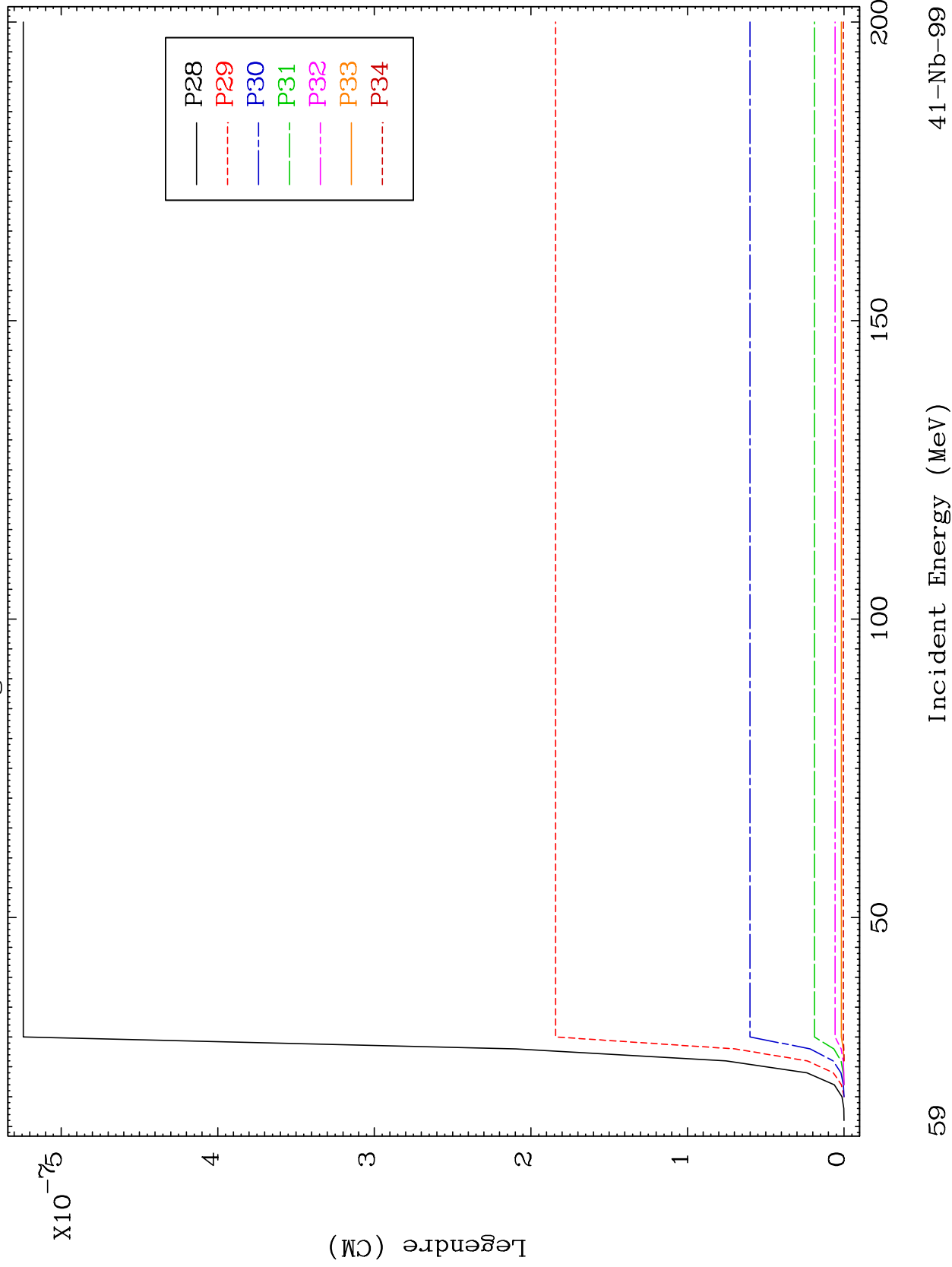
41-Nb-99



MAT 4143

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

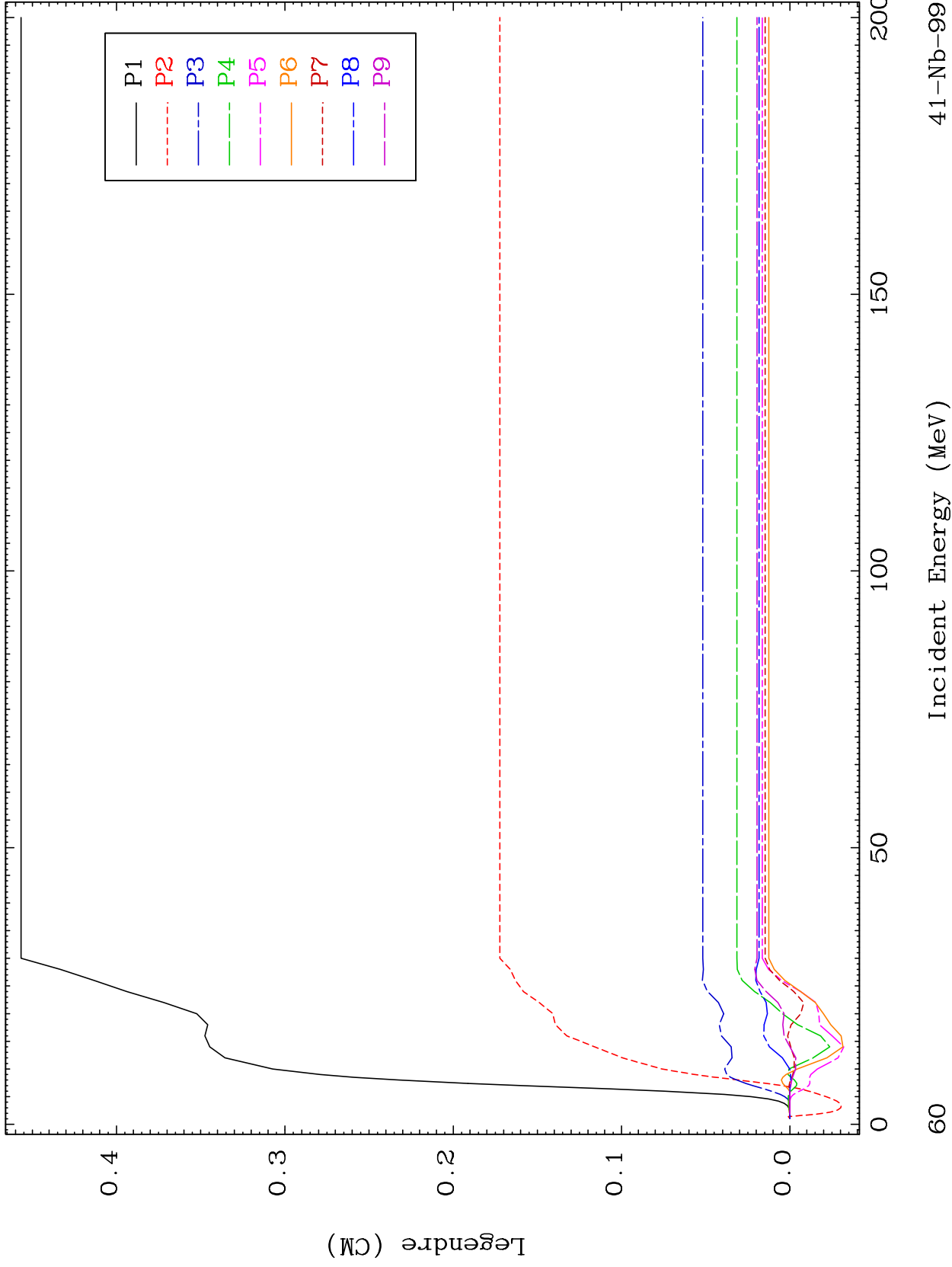
41-Nb-99



MAT 4143

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

41-Nb-99

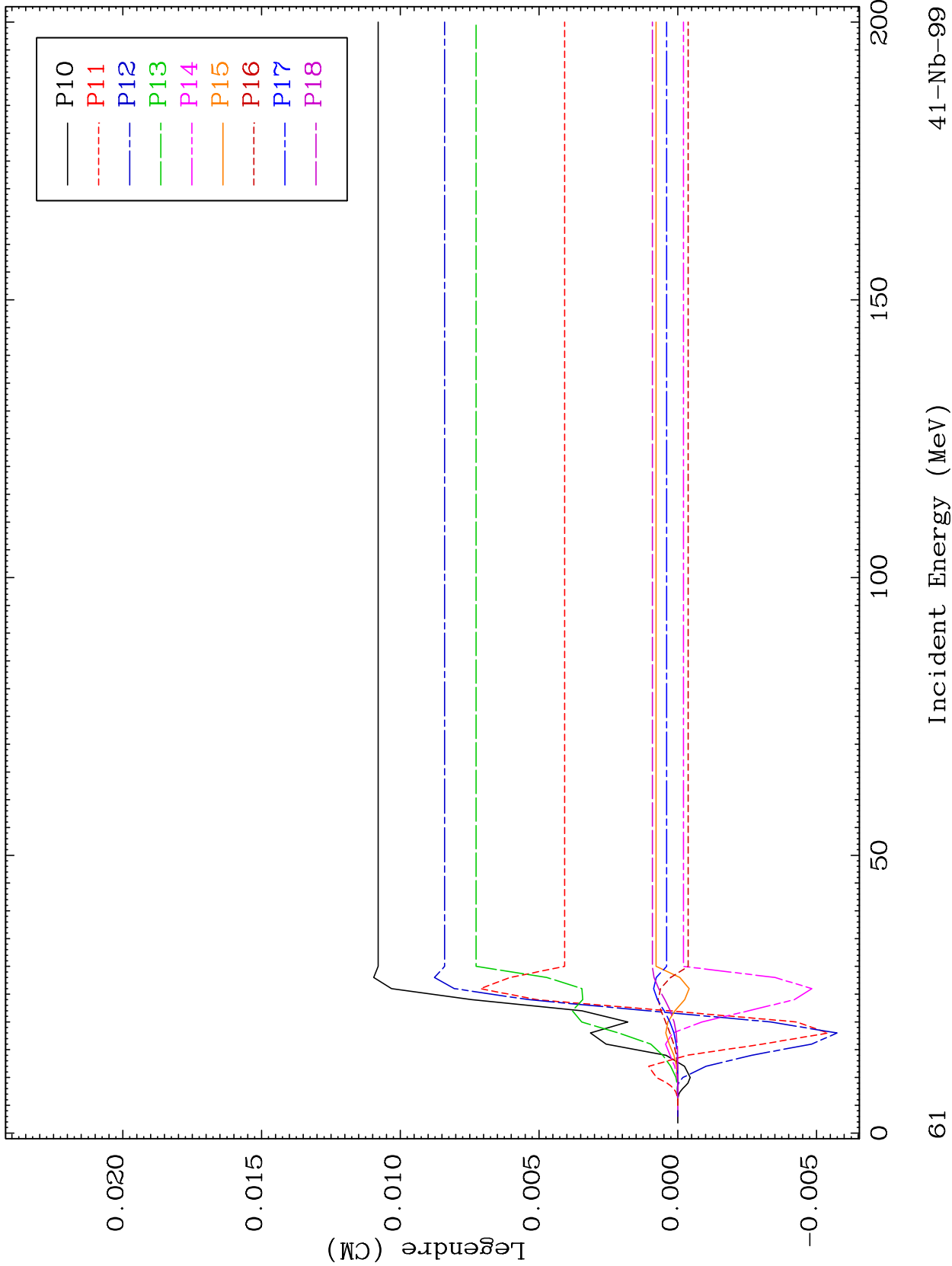


41-Nb-99

MAT 4143

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

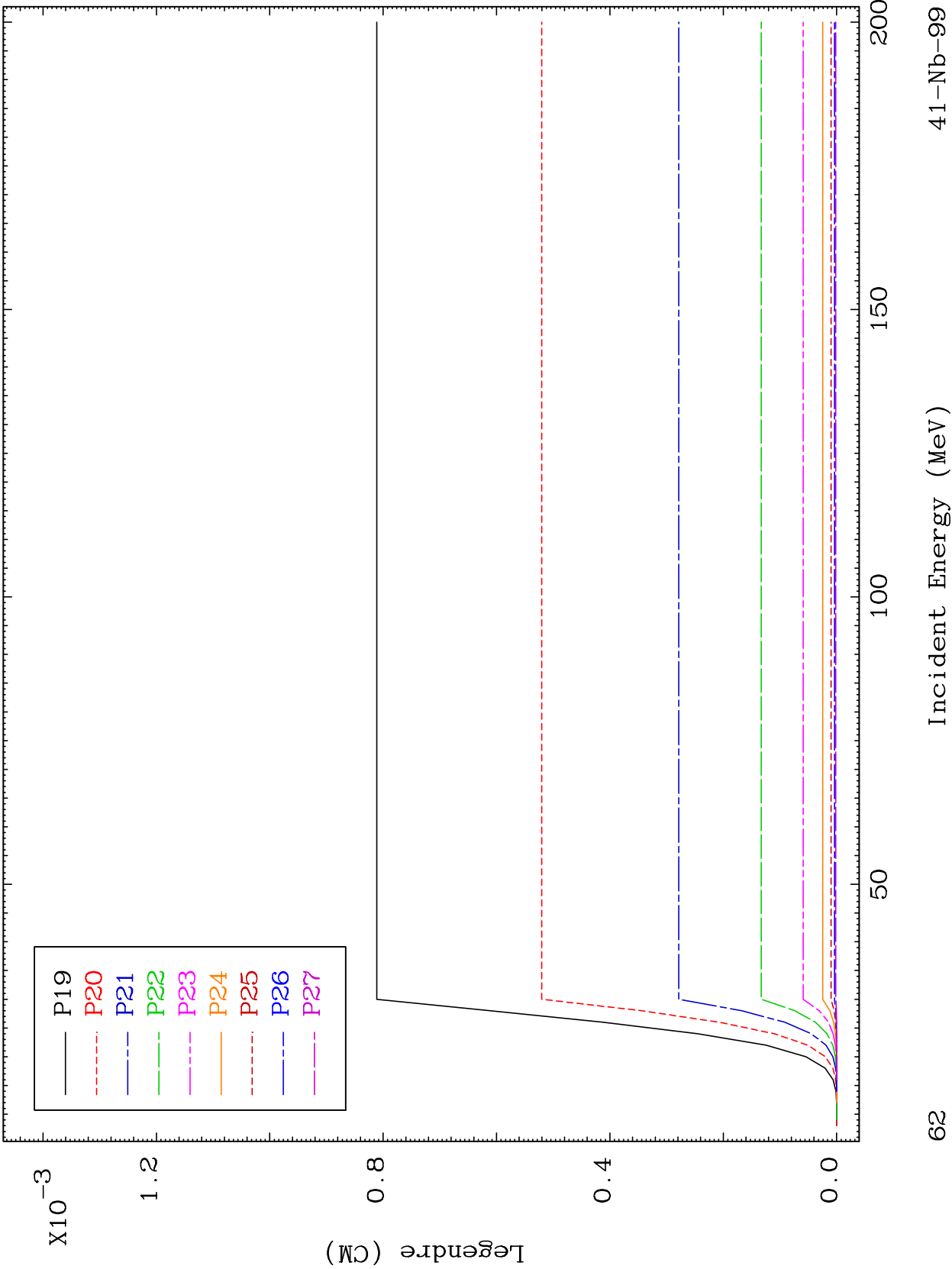
41-Nb-99



61

Incident Energy (MeV)

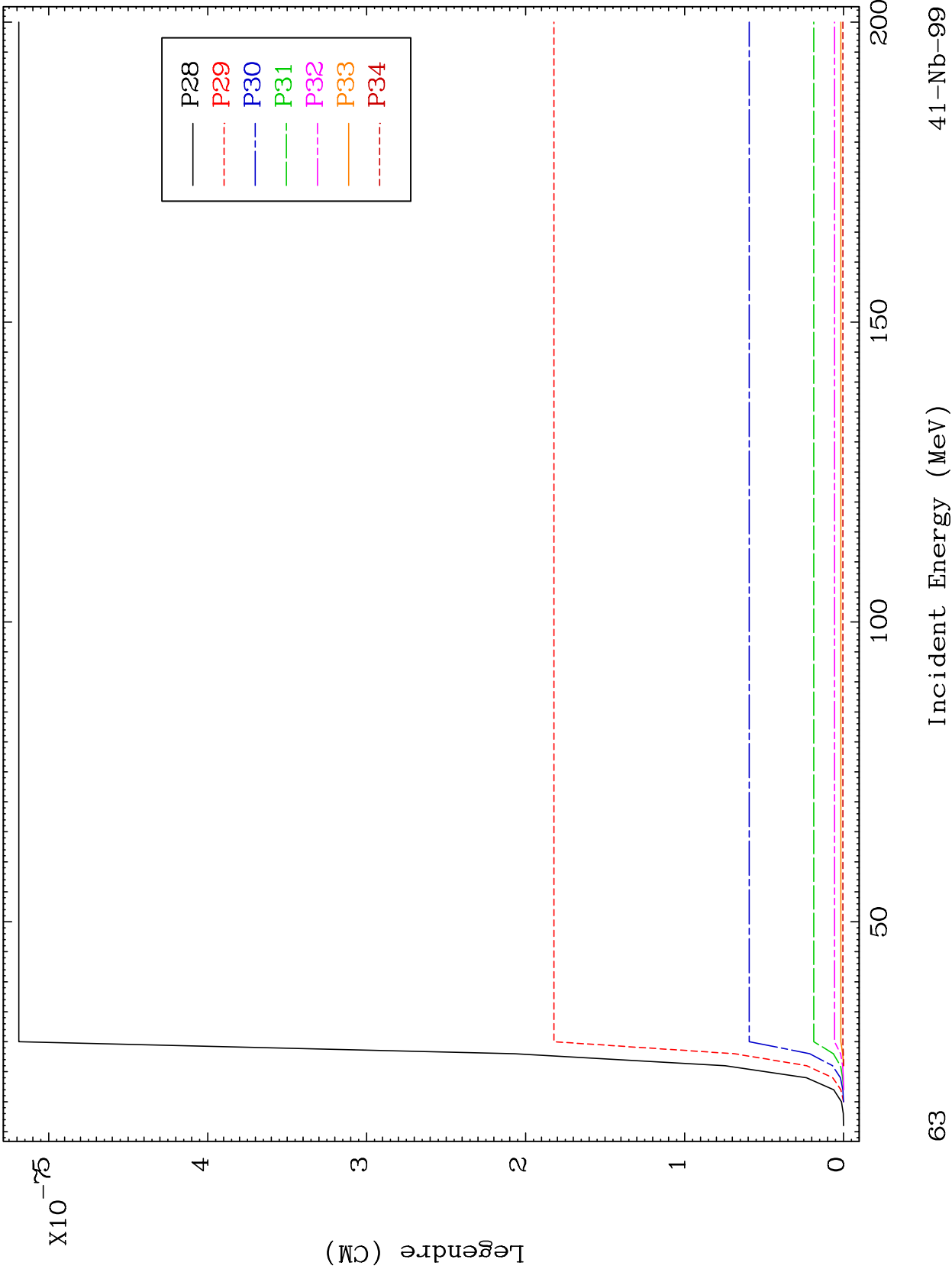
41-Nb-99



MAT 4143

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

41-Nb-99



63

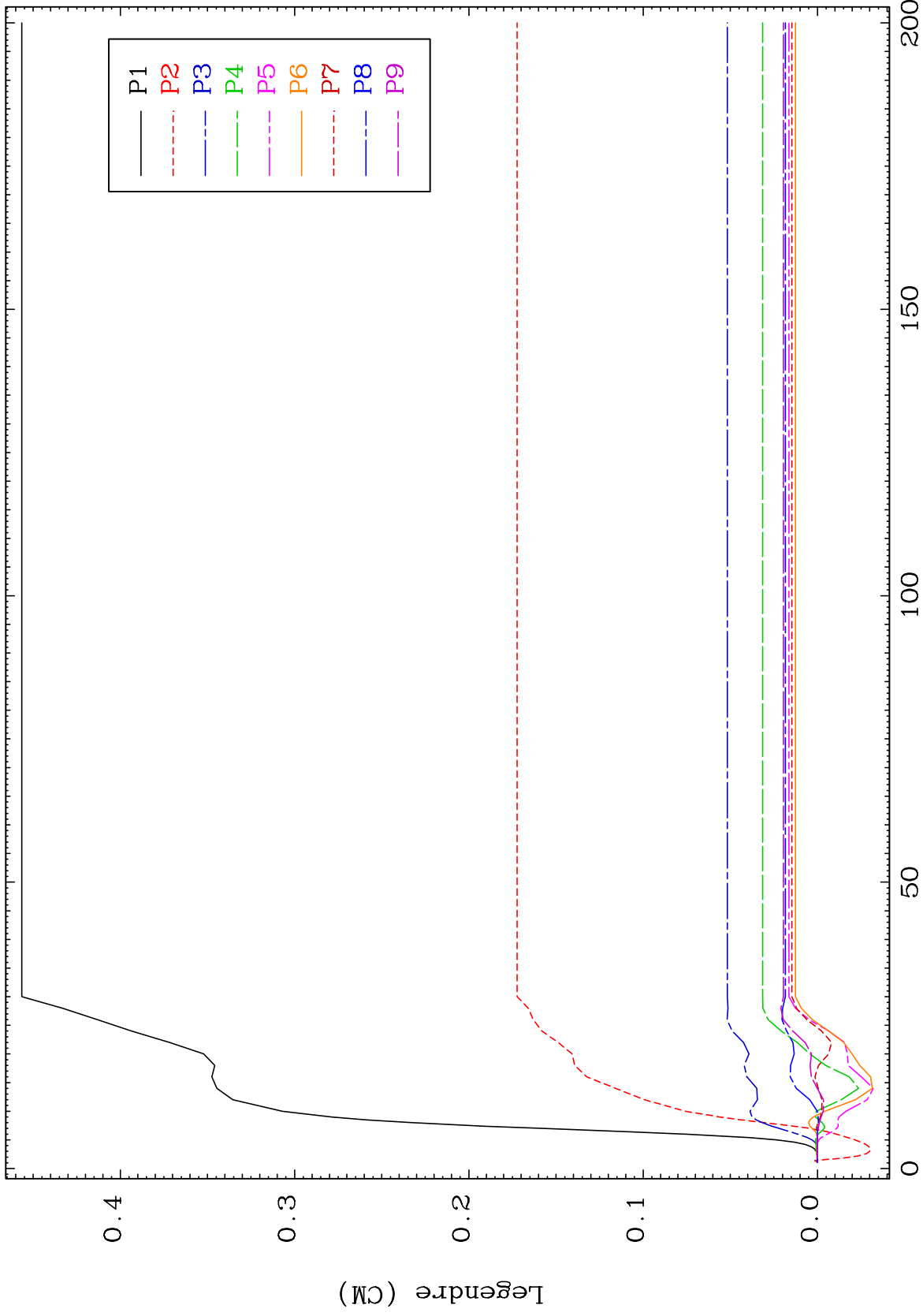
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



64

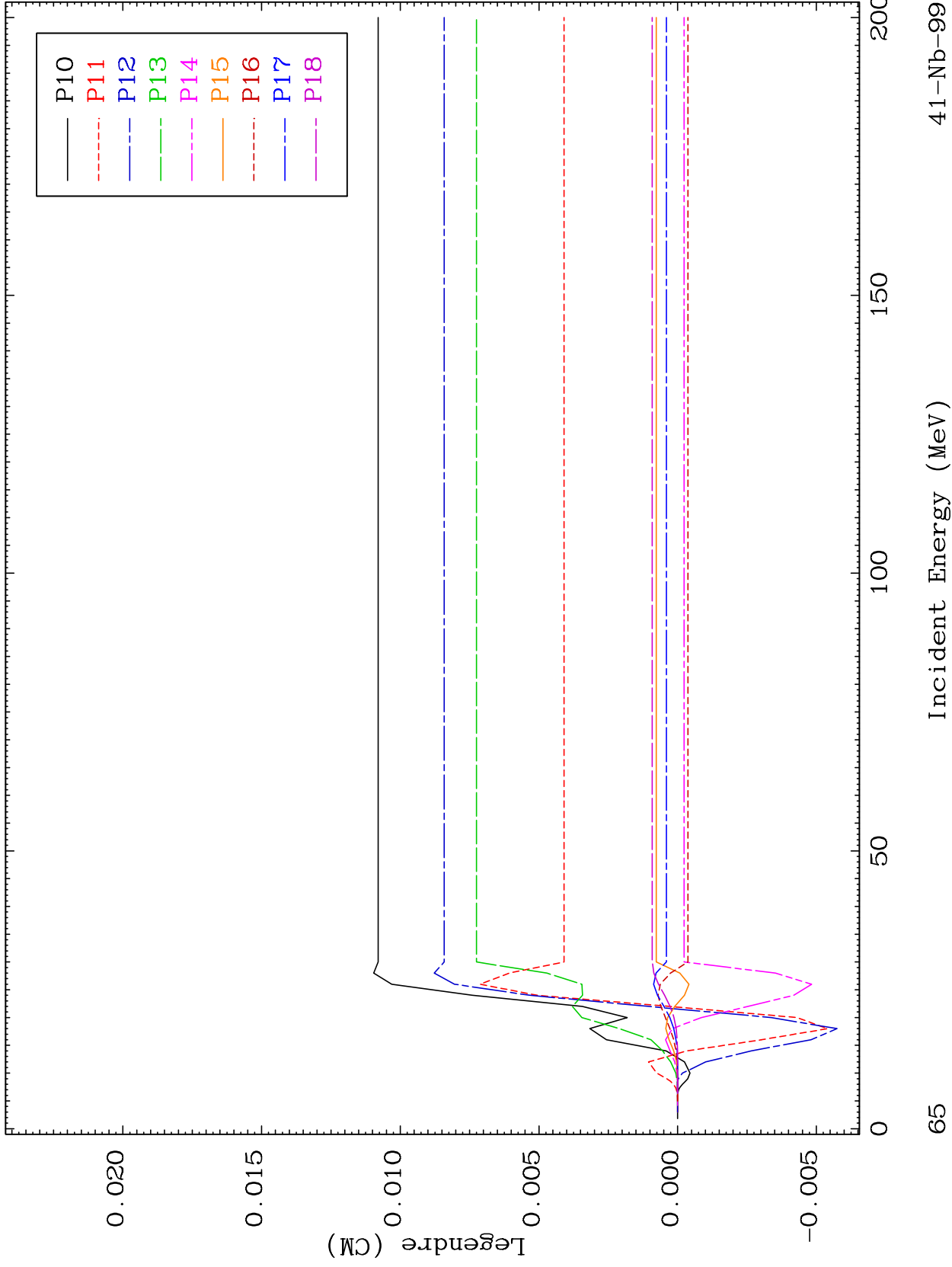
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

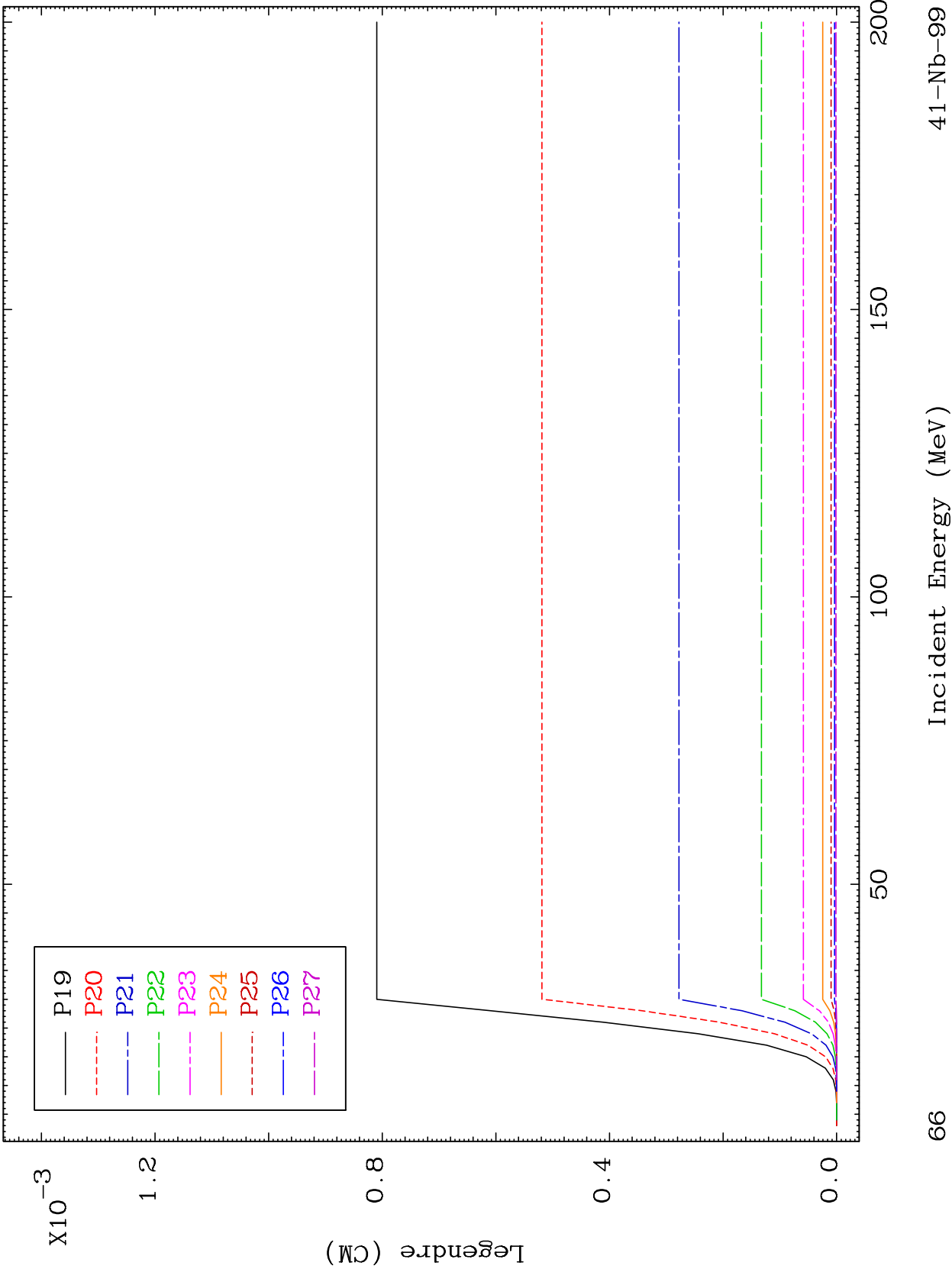
41-Nb-99



41-Nb-99

Incident Energy (MeV)

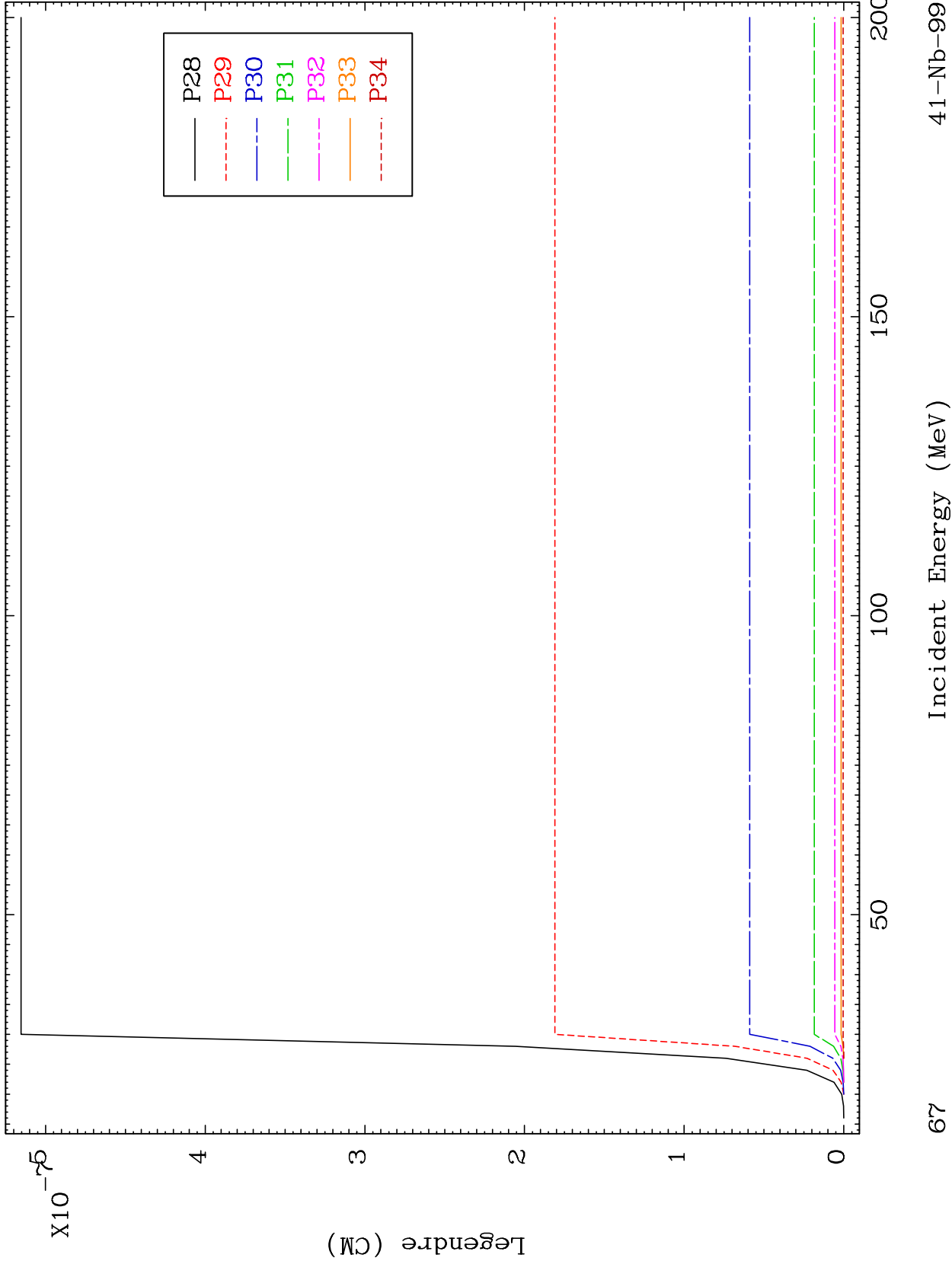
65



MAT 4143

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

41-Nb-99



67

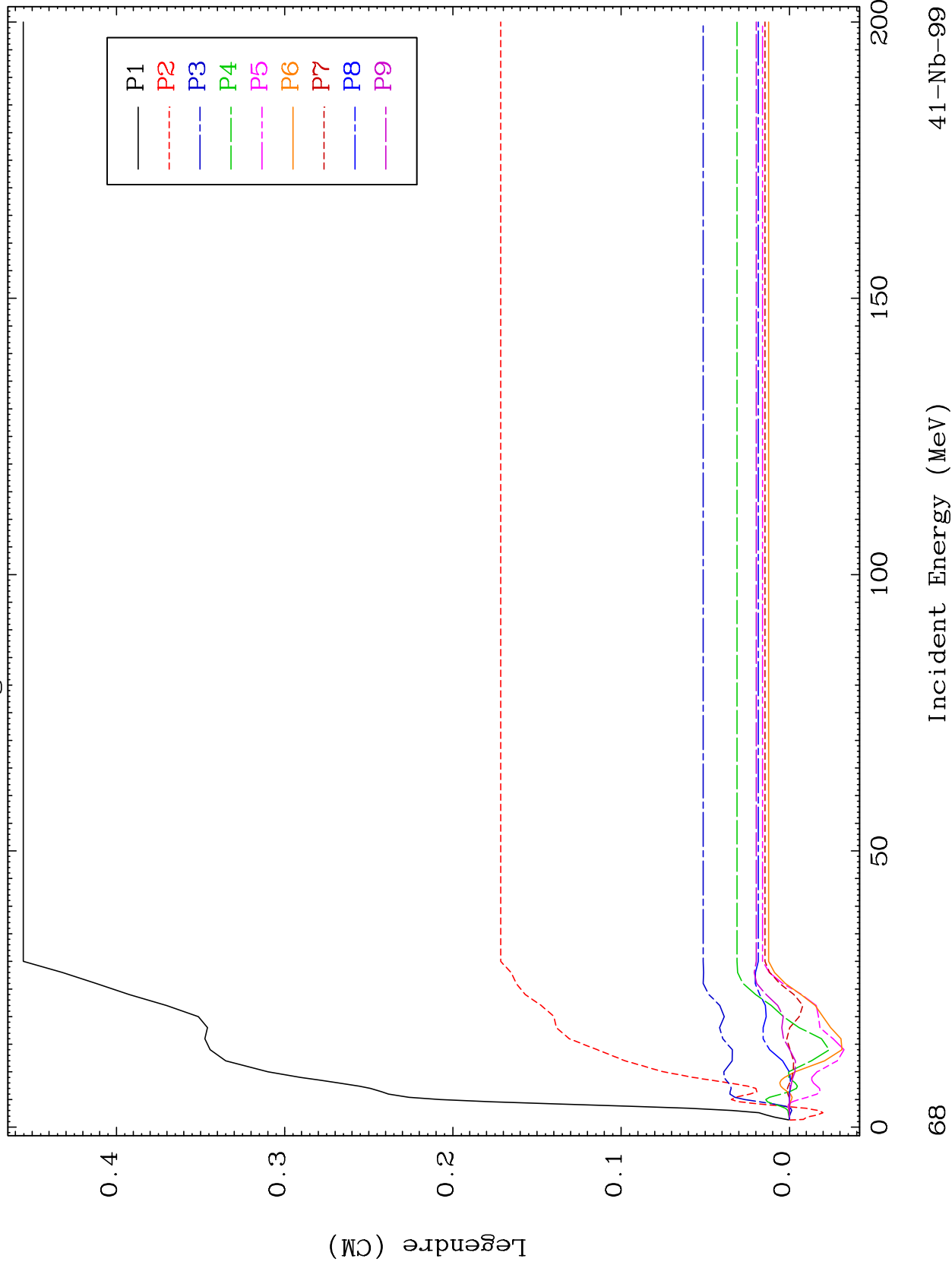
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



41-Nb-99

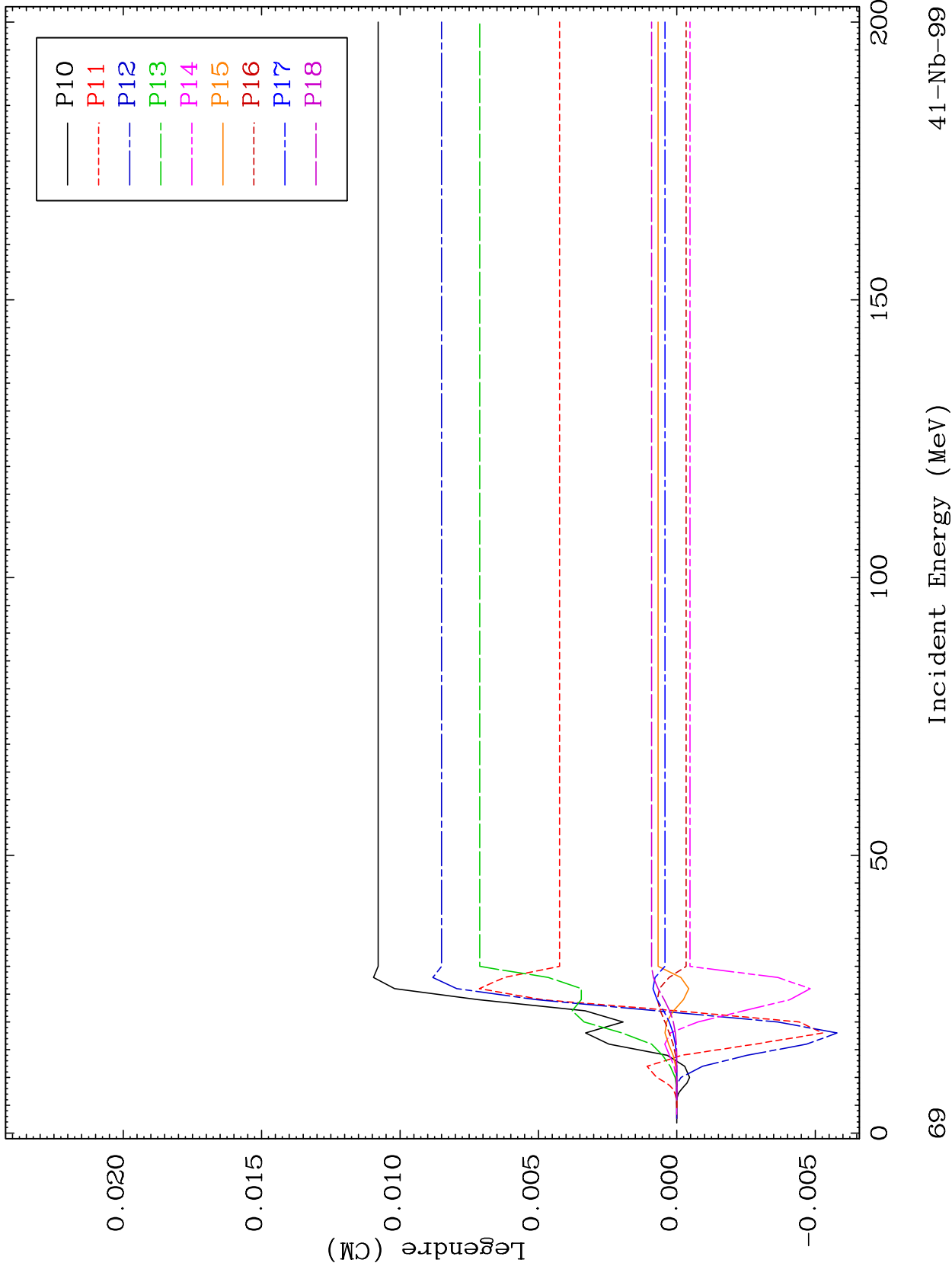
Incident Energy (MeV)

68

MAT 4143

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

41-Nb-99



69

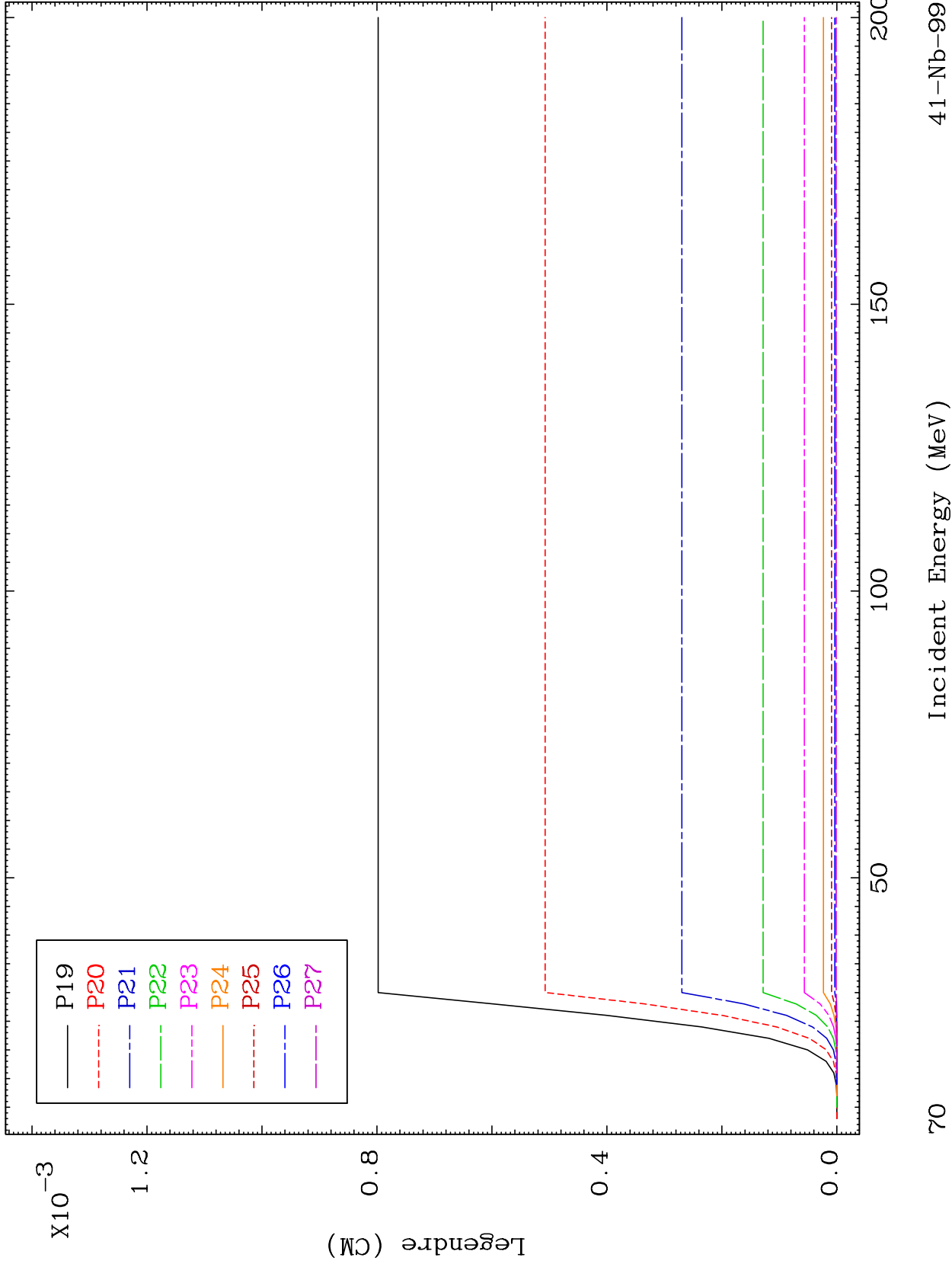
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



70

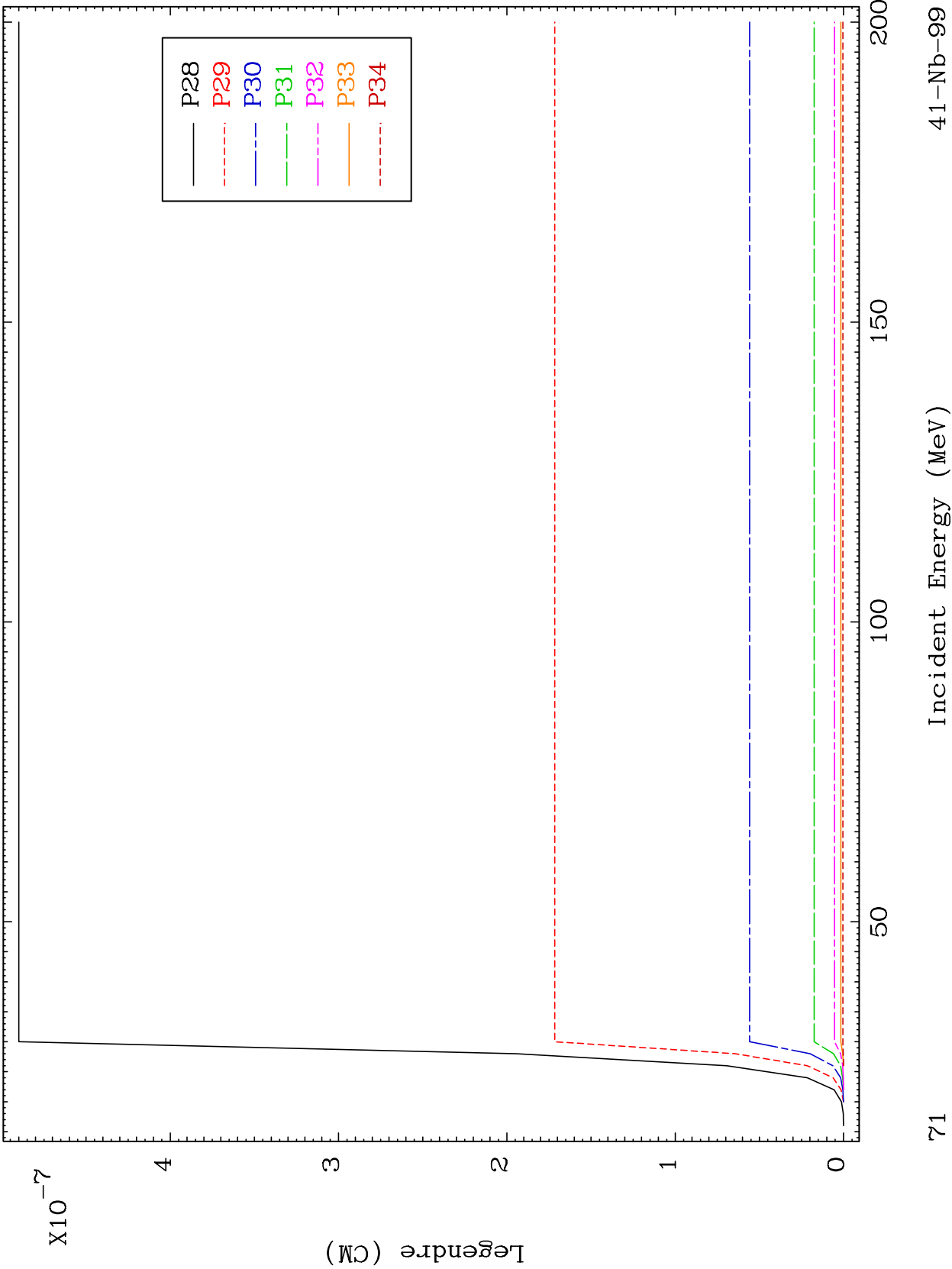
Incident Energy (MeV)

41-Nb-99

MAT 4143

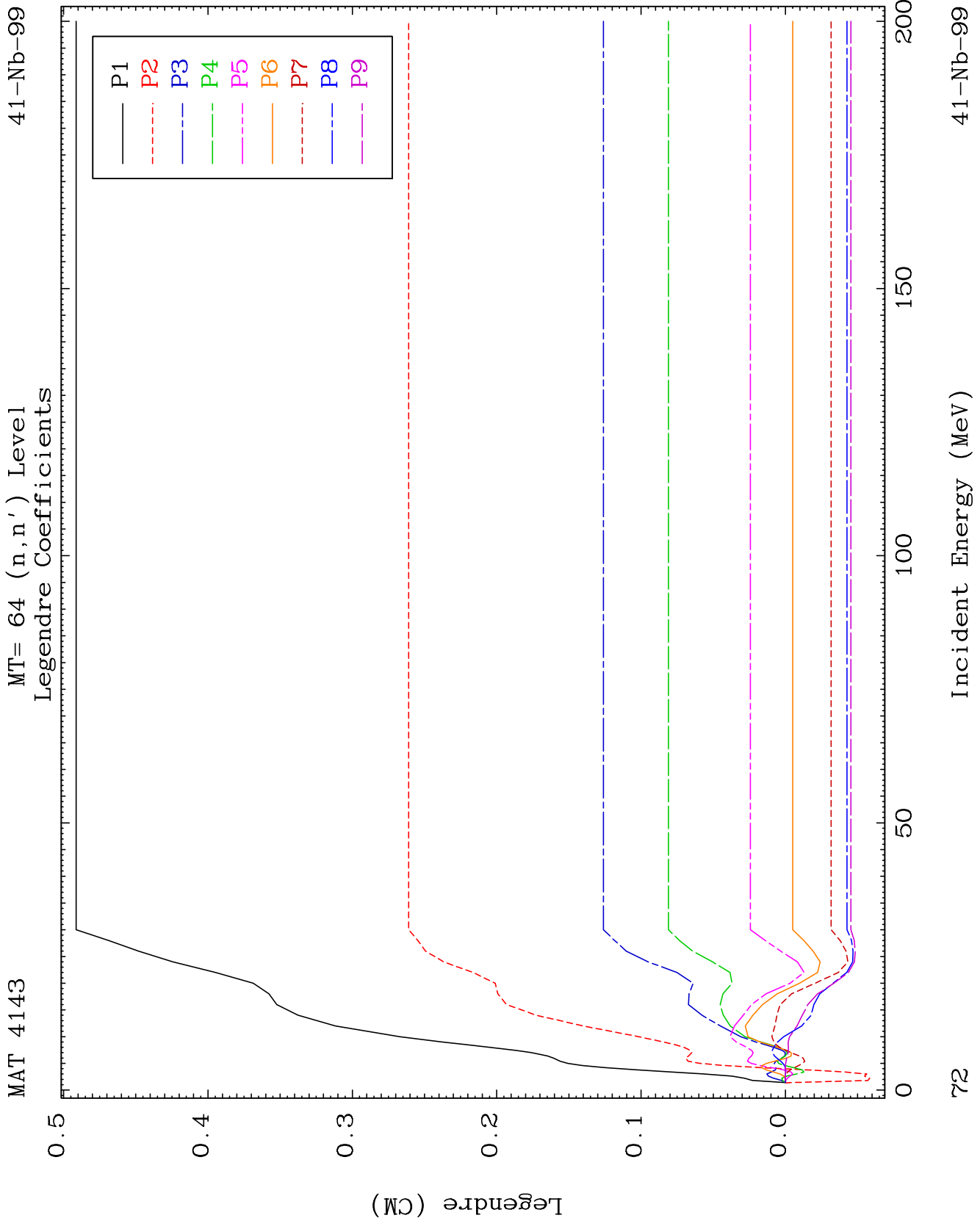
MT= 63 (n,n') Level
Legendre Coefficients

41-Nb-99



71

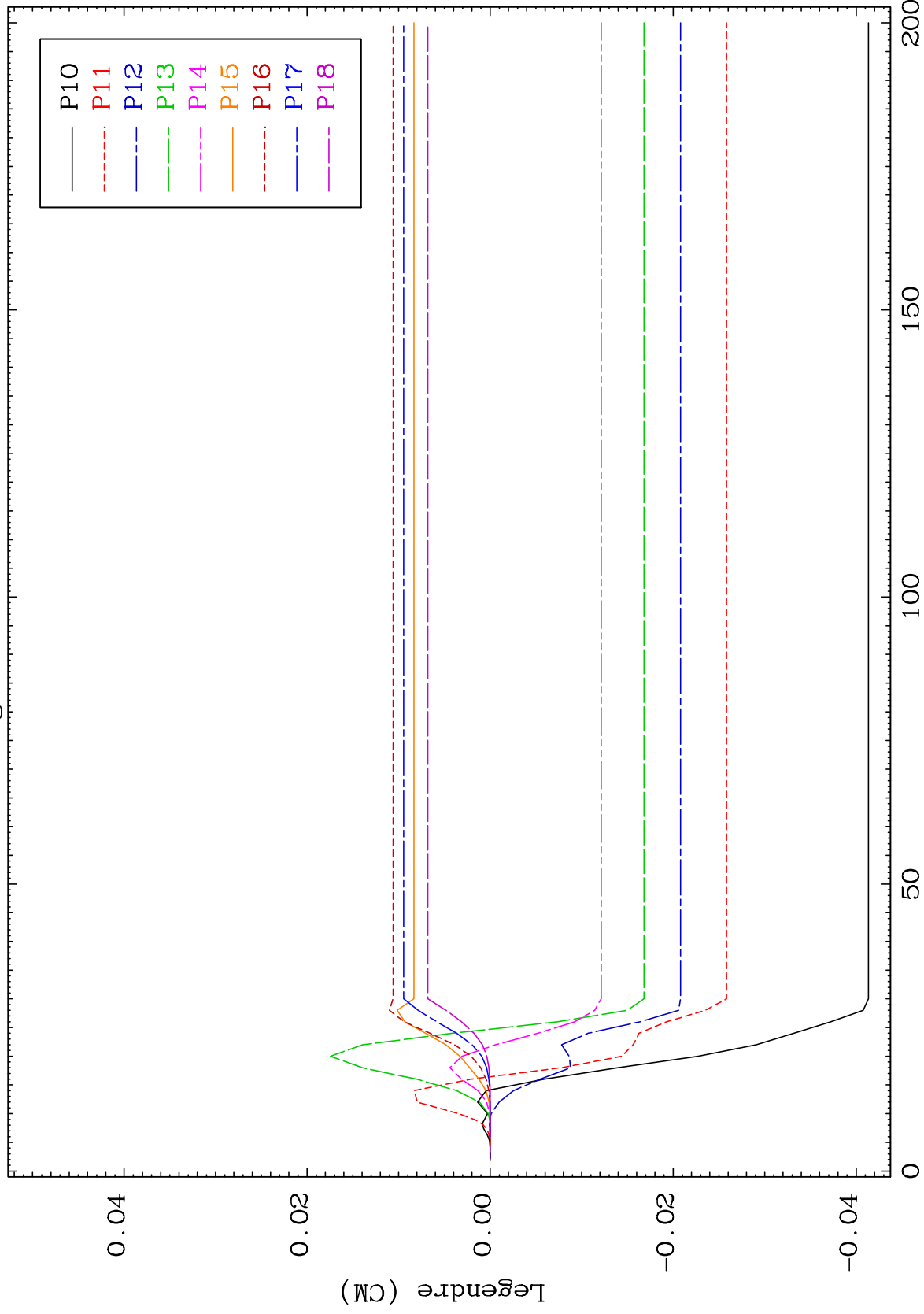
41-Nb-99



MAT 4143

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

41-Nb-99



73

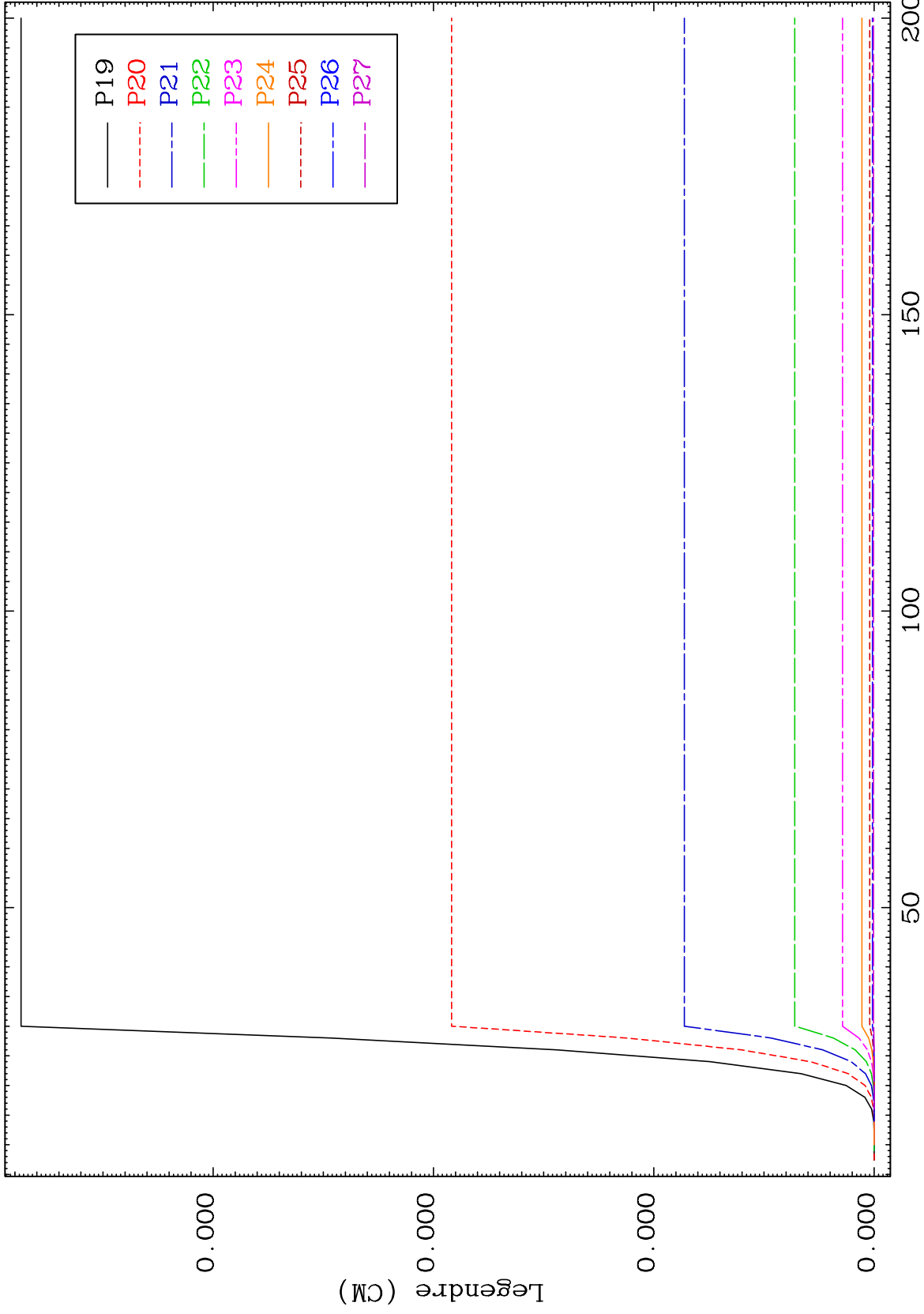
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



74

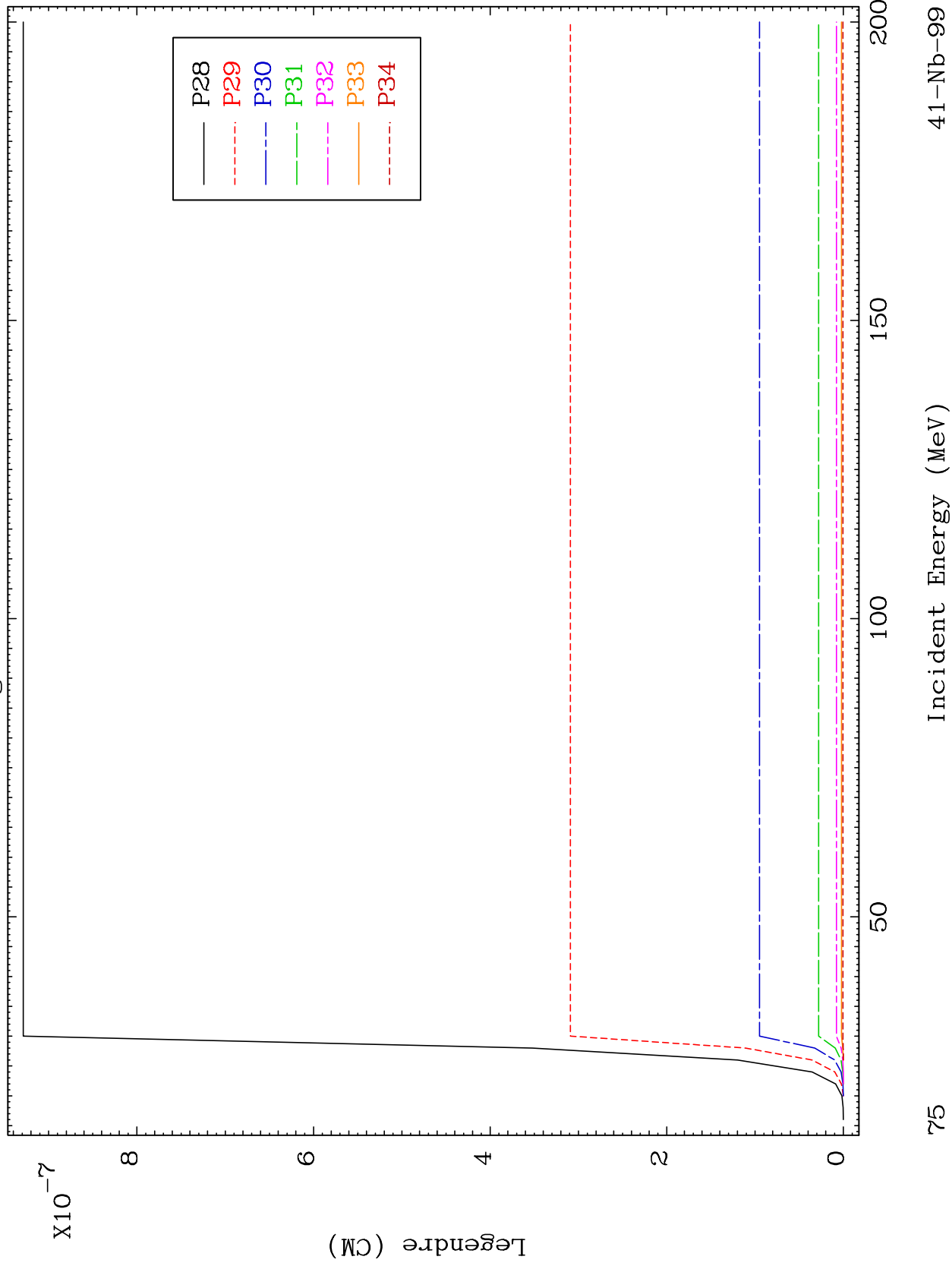
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

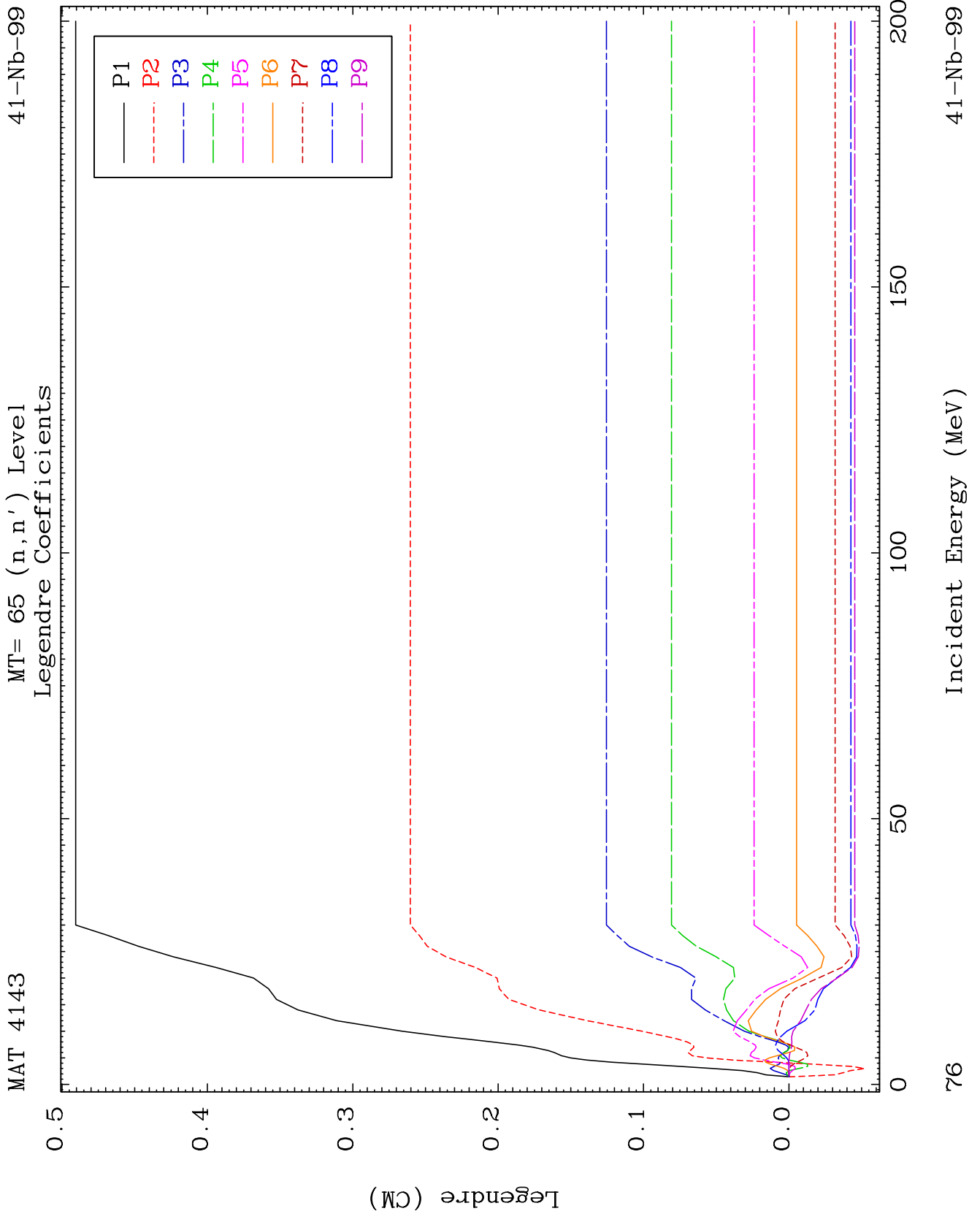
41-Nb-99



75

Incident Energy (MeV)

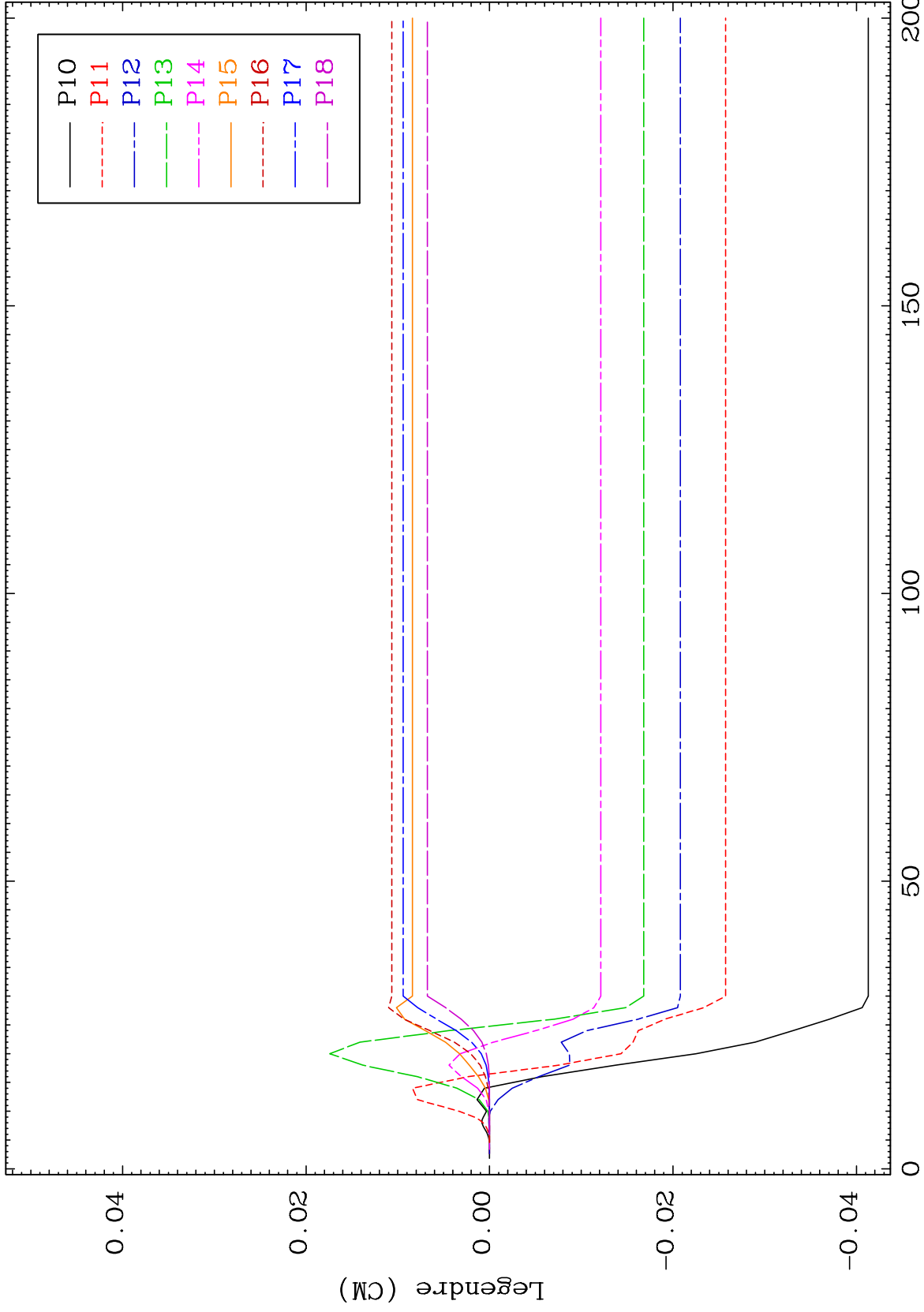
41-Nb-99



MAT 4143

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

41-Nb-99



77

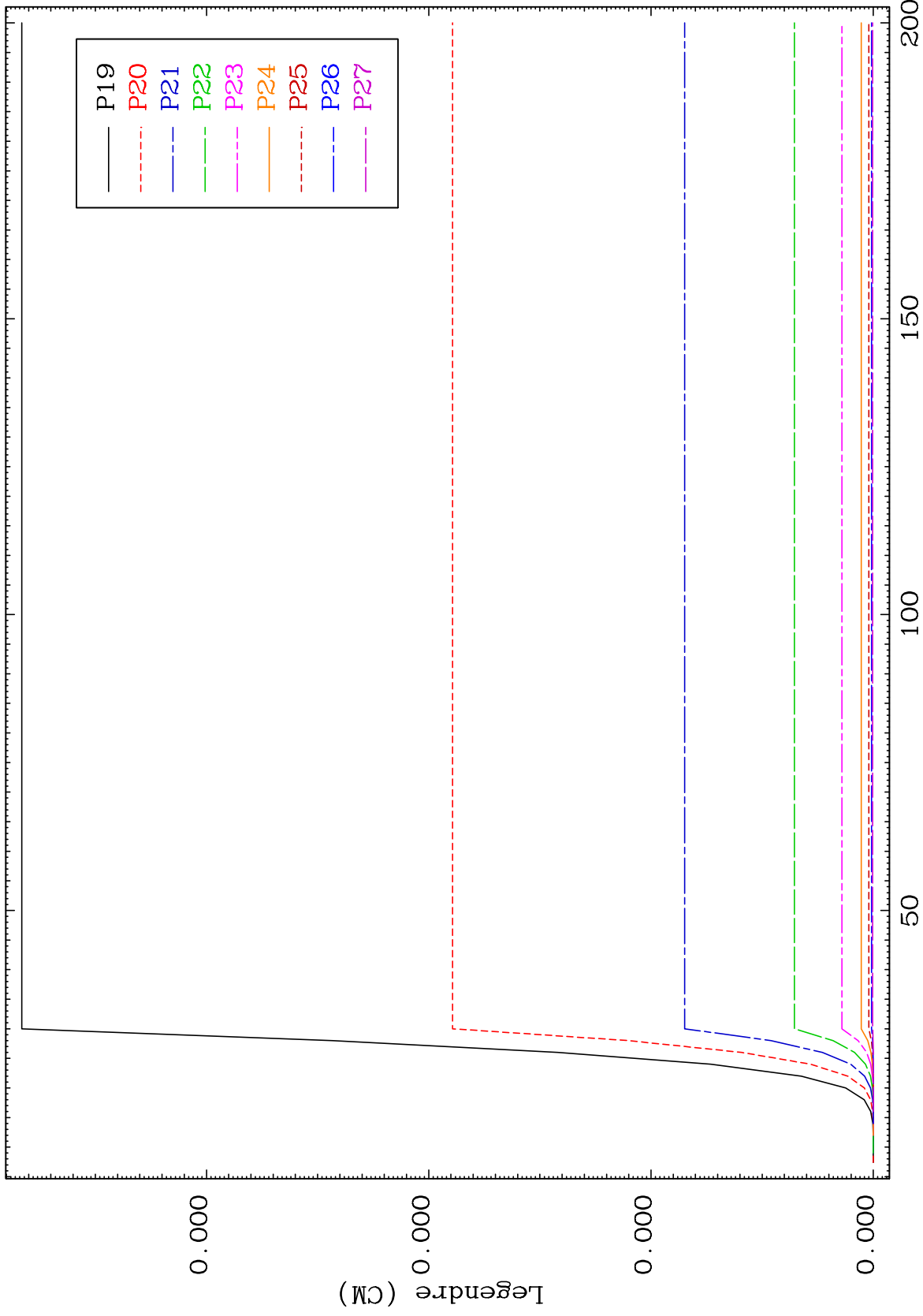
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



78

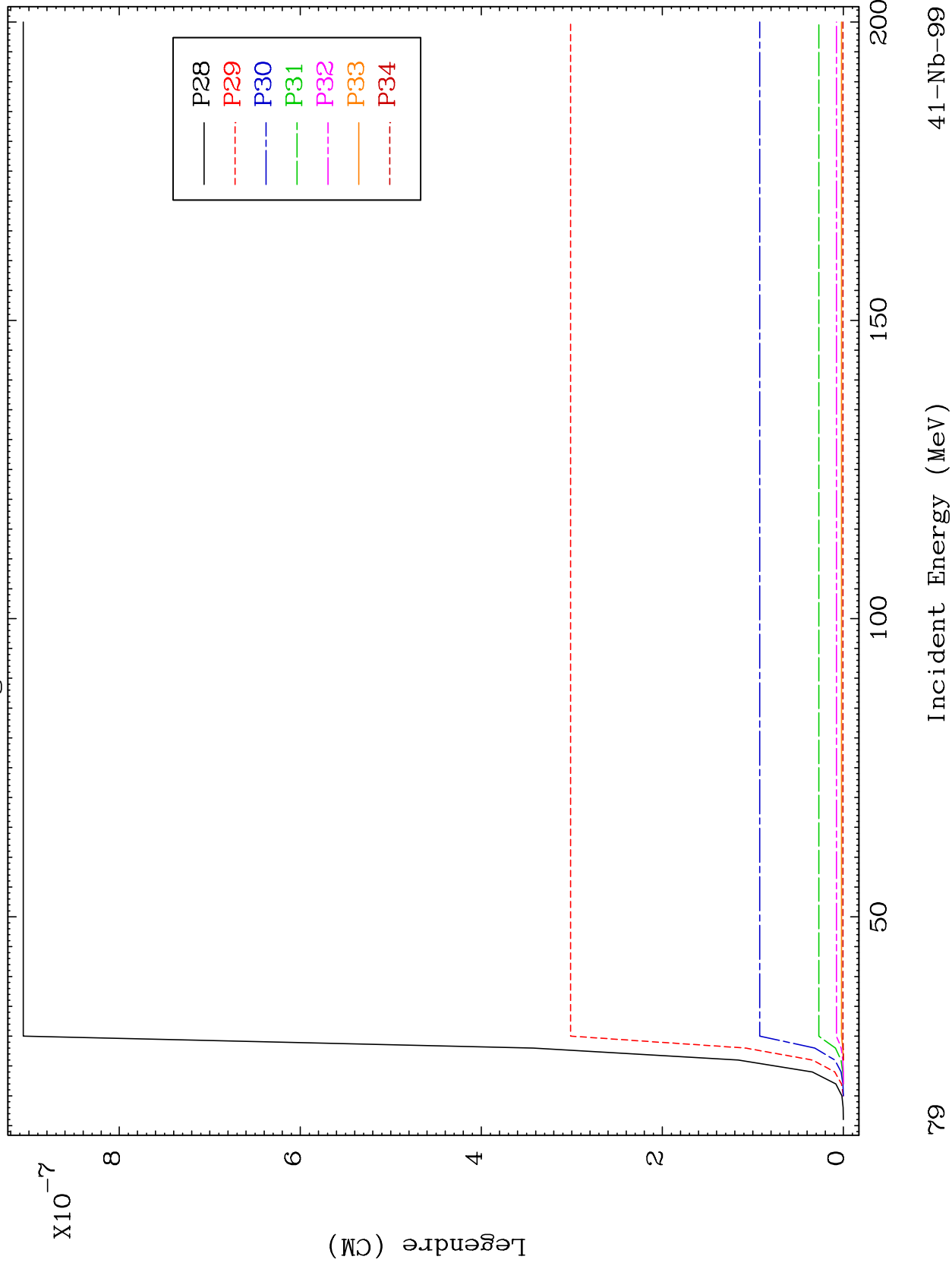
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

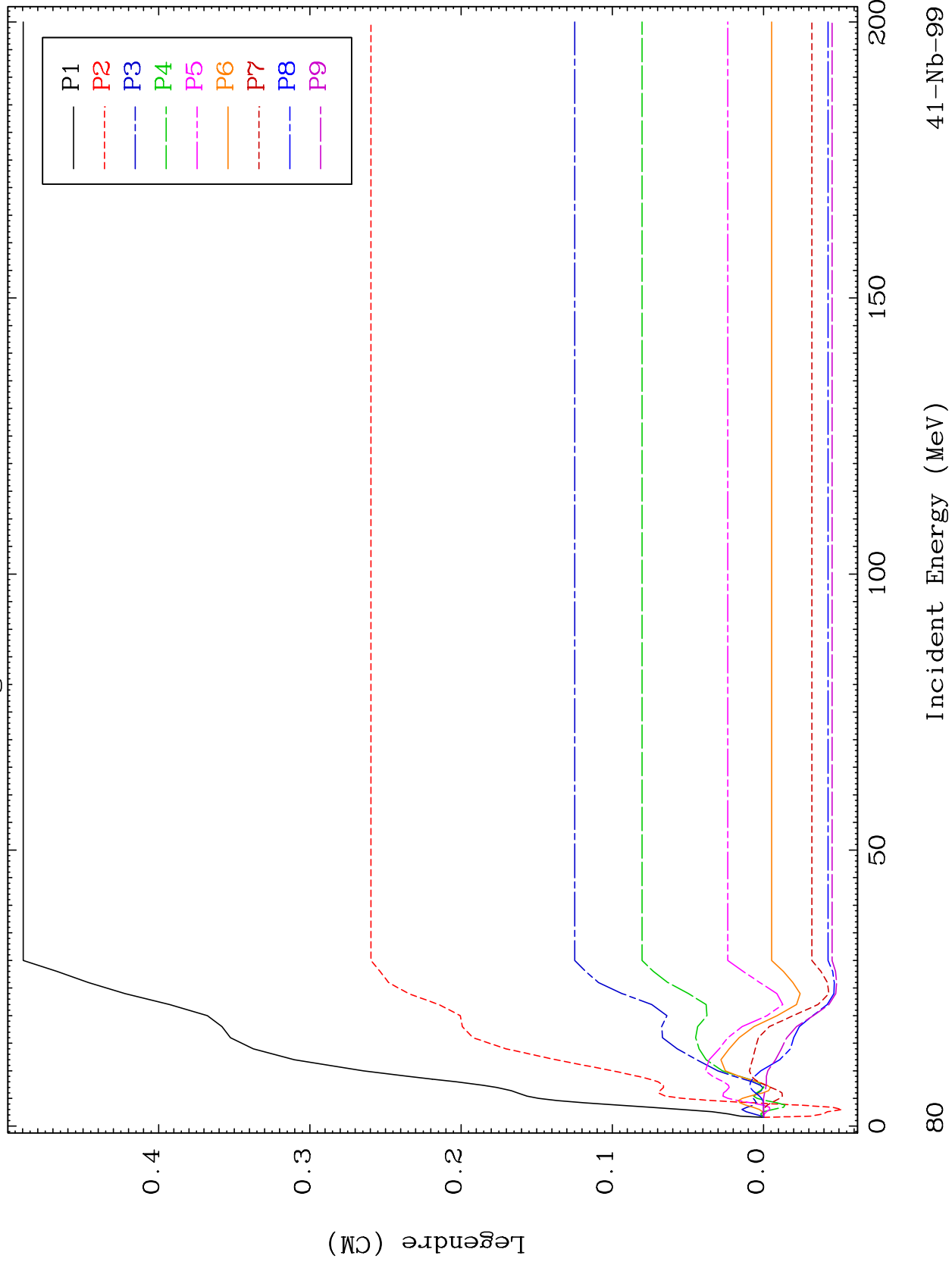
41-Nb-99



MAT 4143

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

41-Nb-99



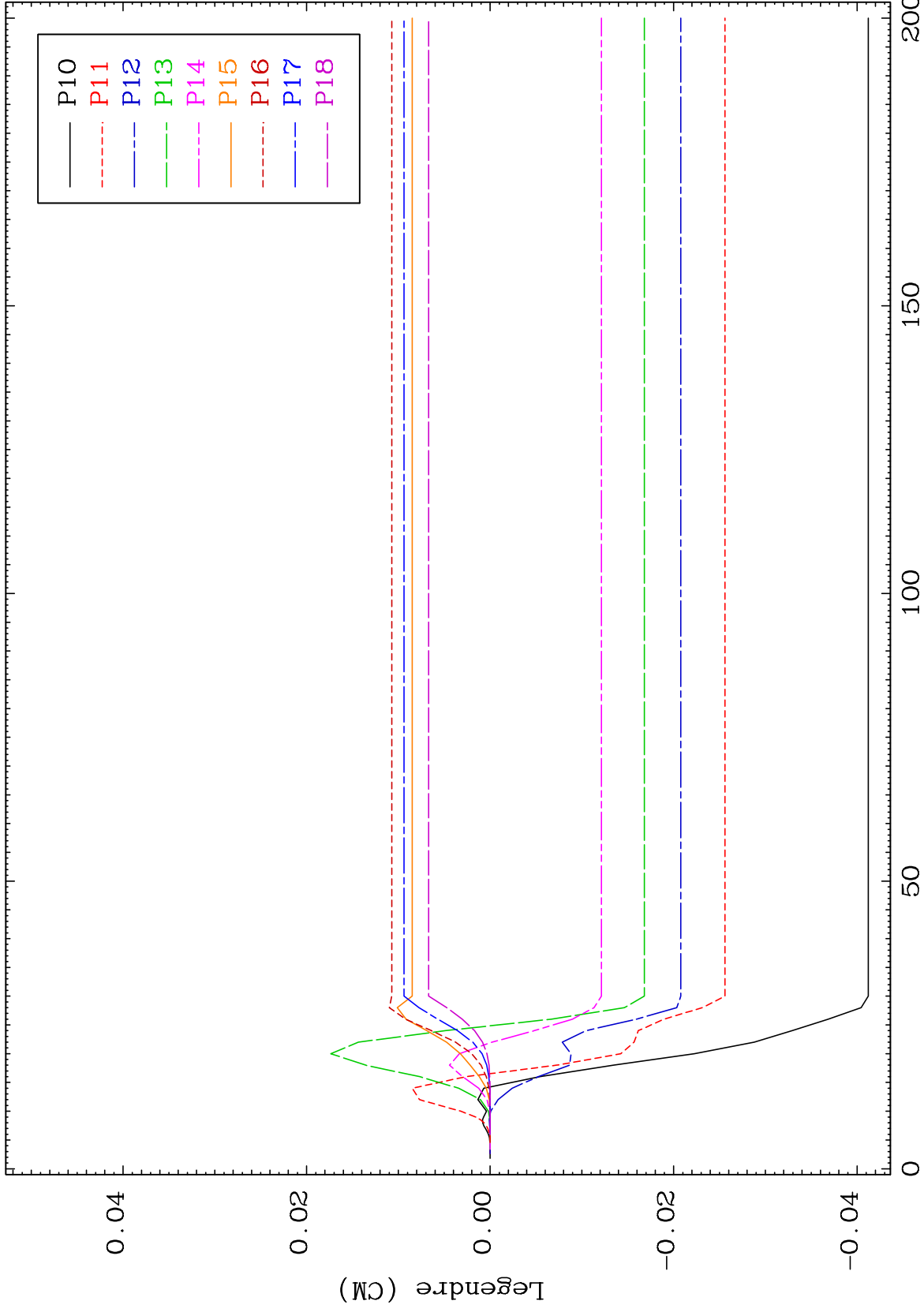
41-Nb-99

Incident Energy (MeV)

MAT 4143

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

41-Nb-99



81

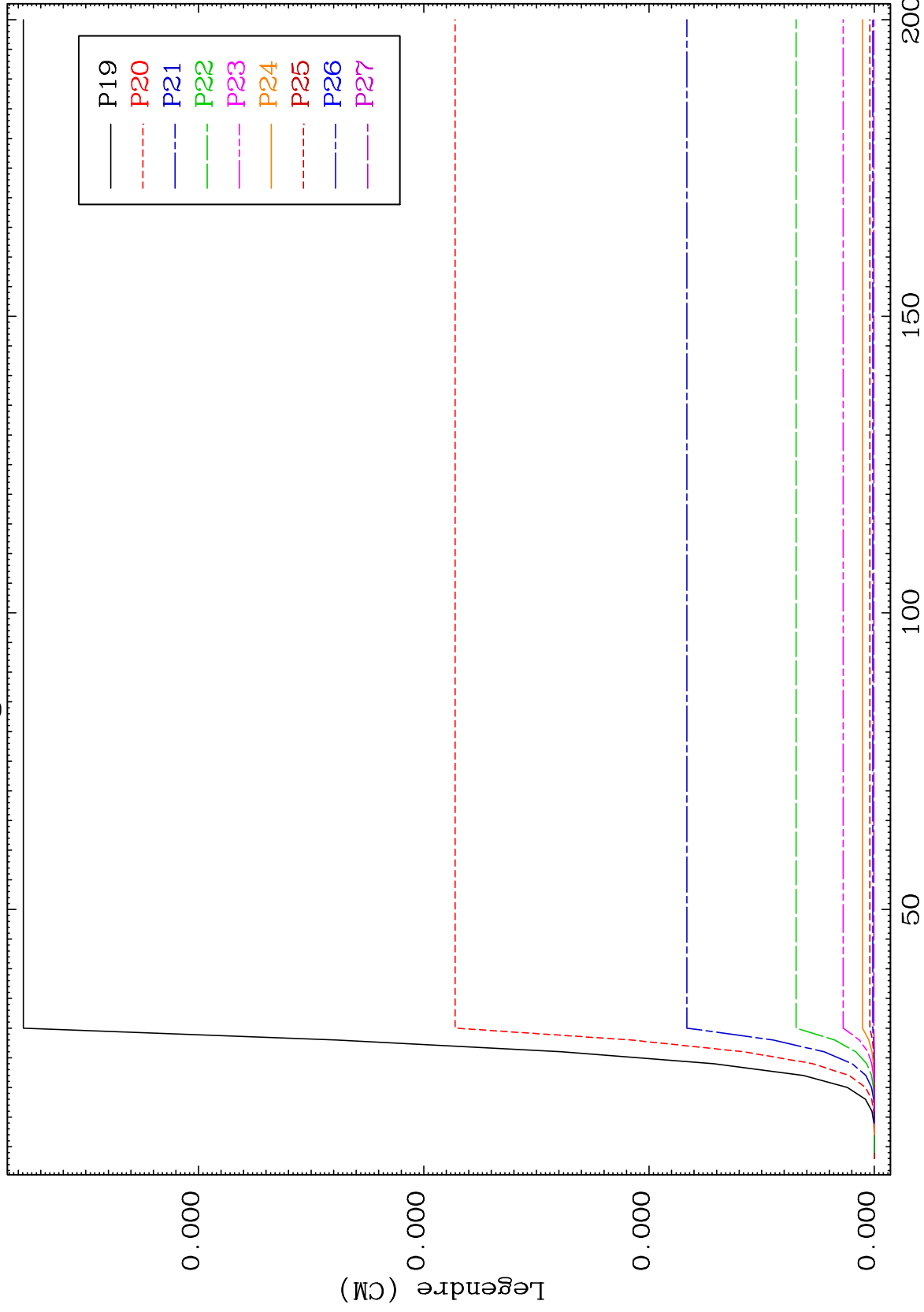
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



82

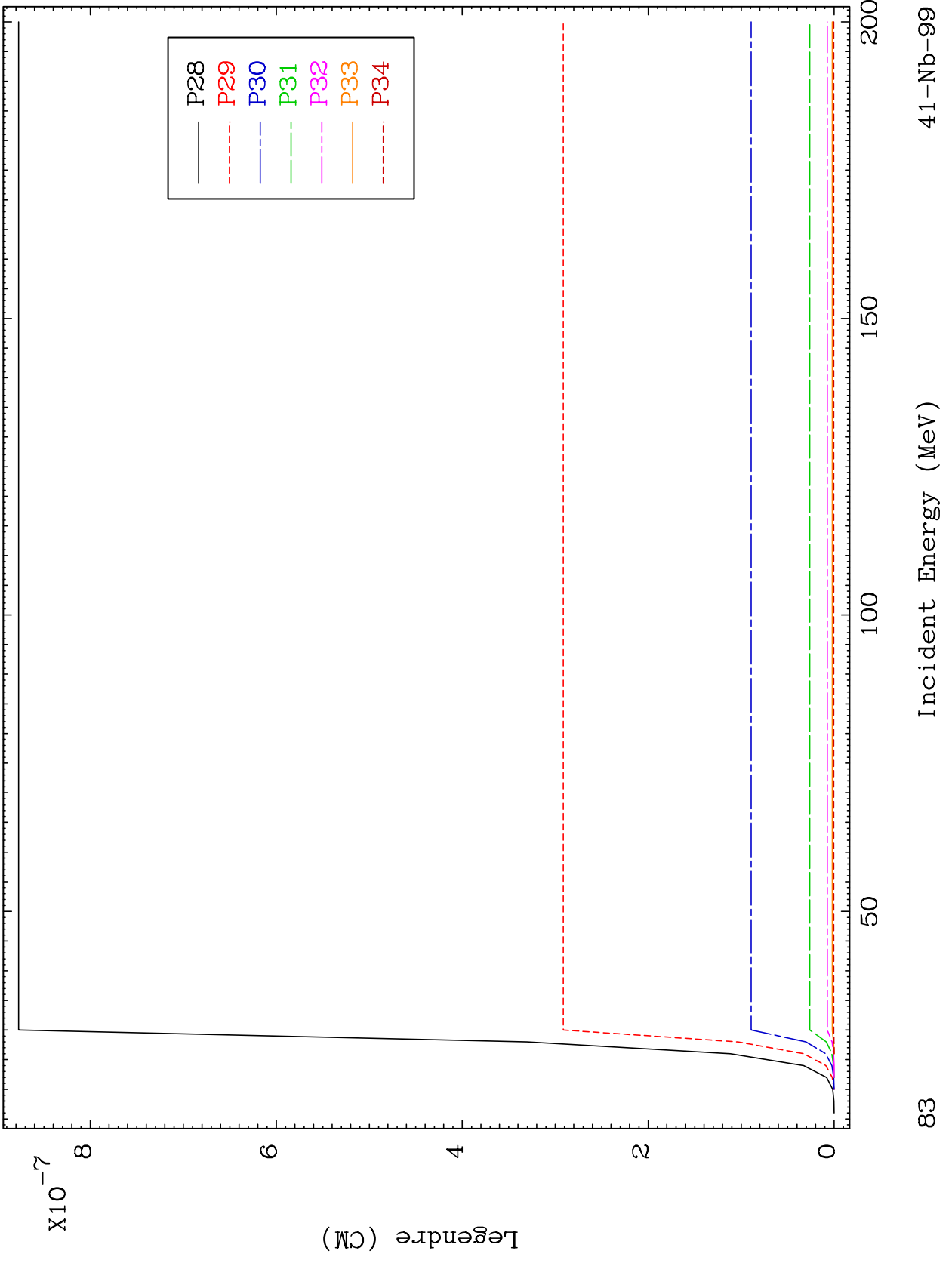
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

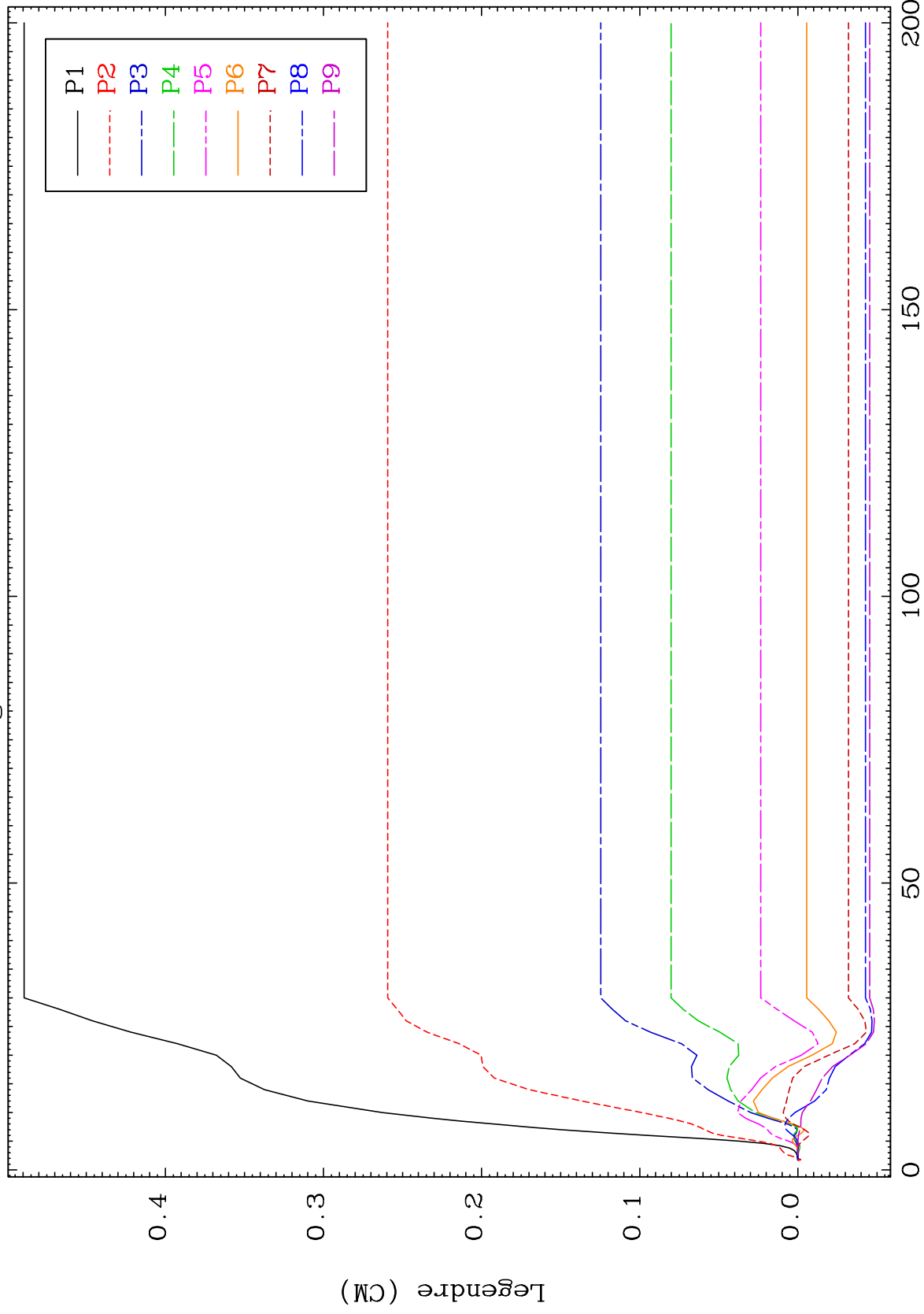
41-Nb-99



MAT 4143

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

41-Nb-99



84

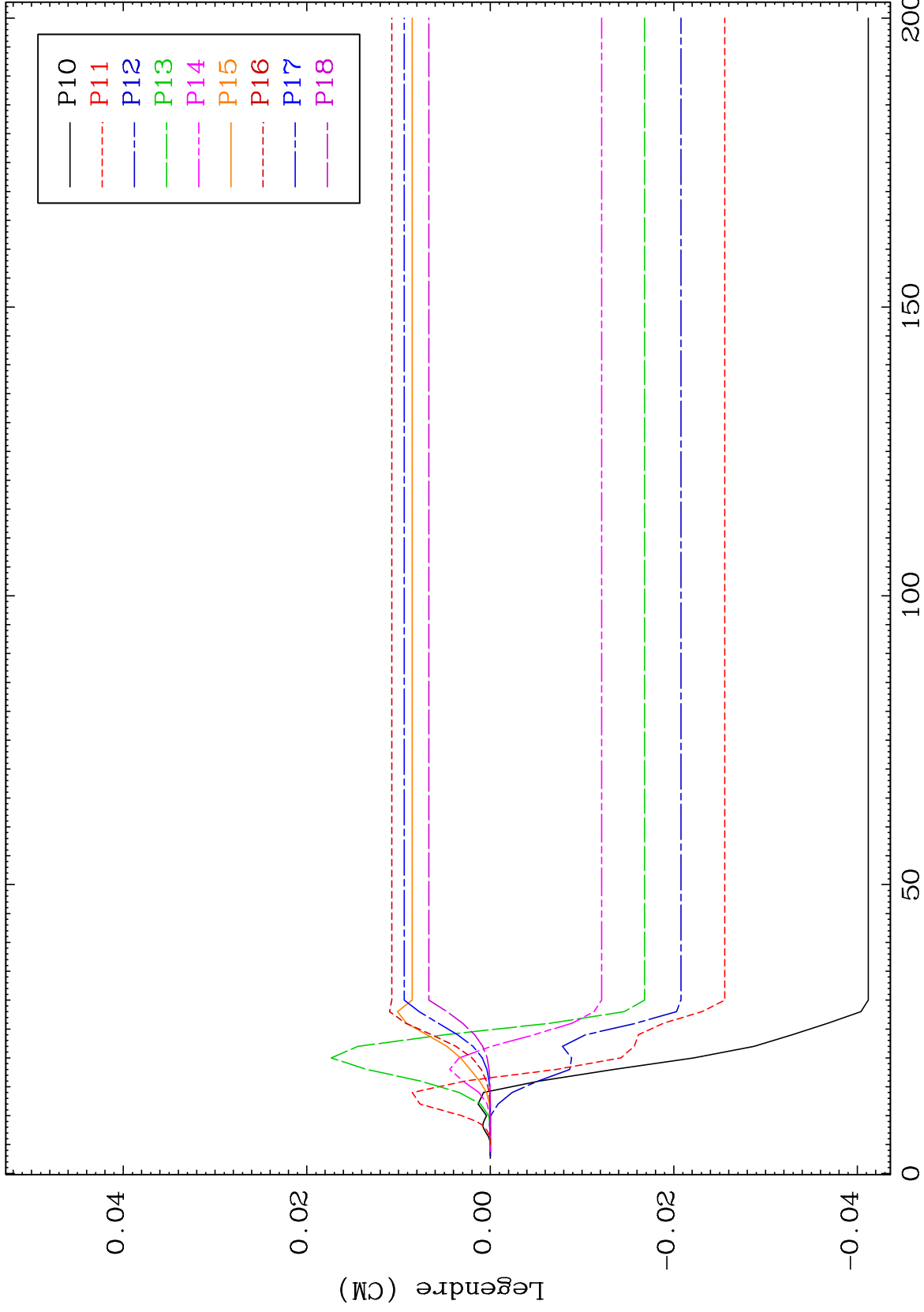
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



85

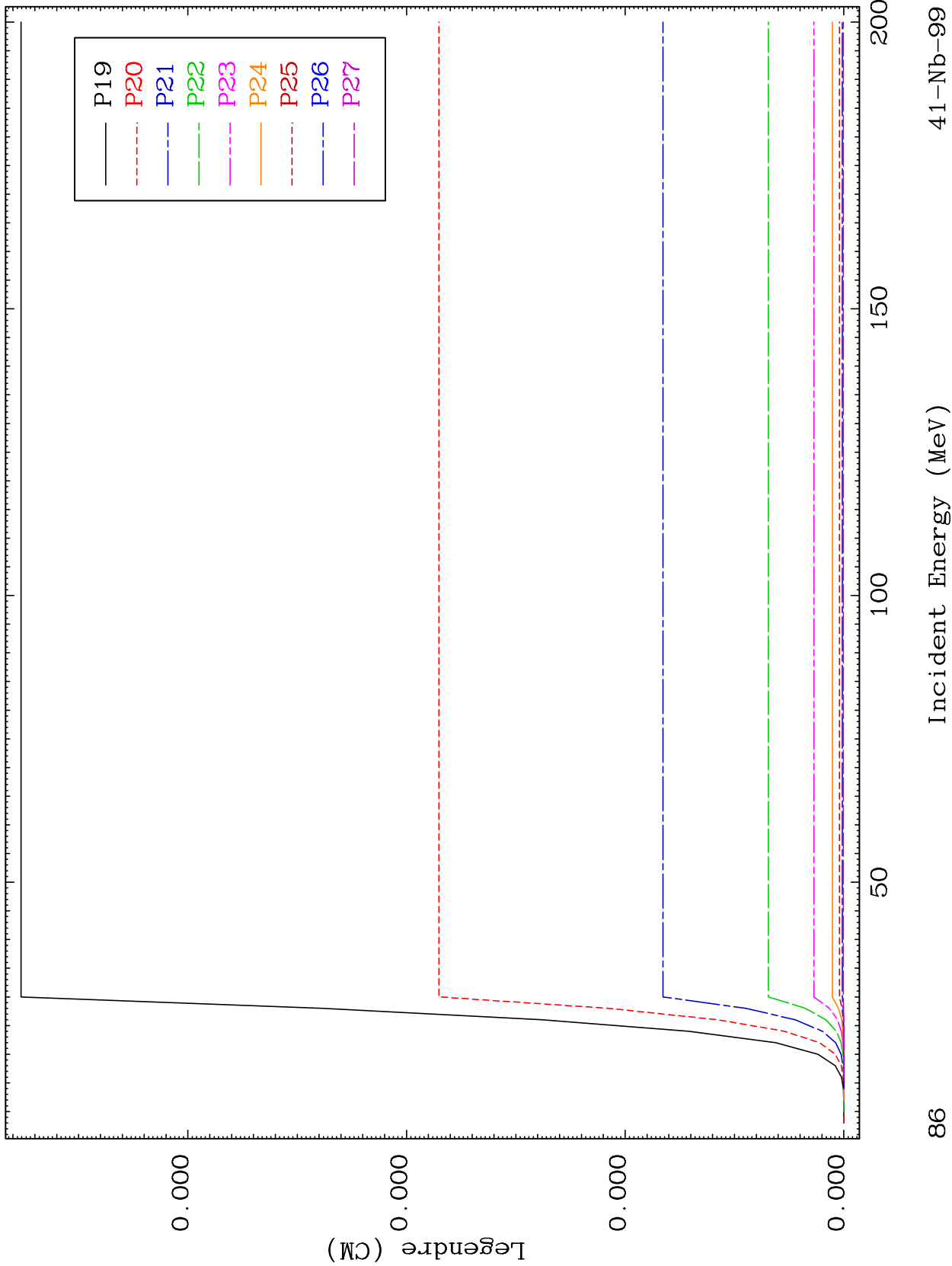
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



86

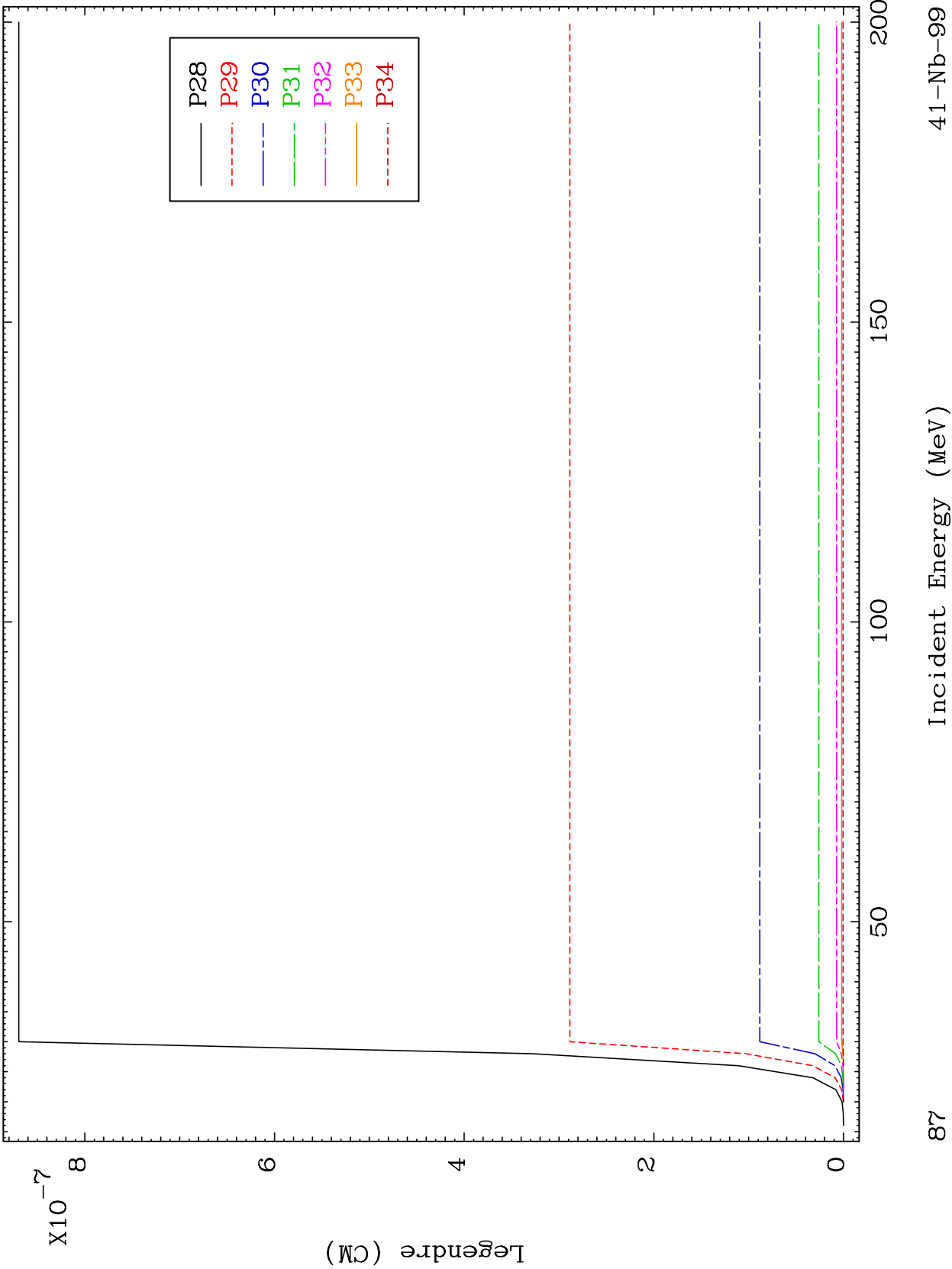
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99

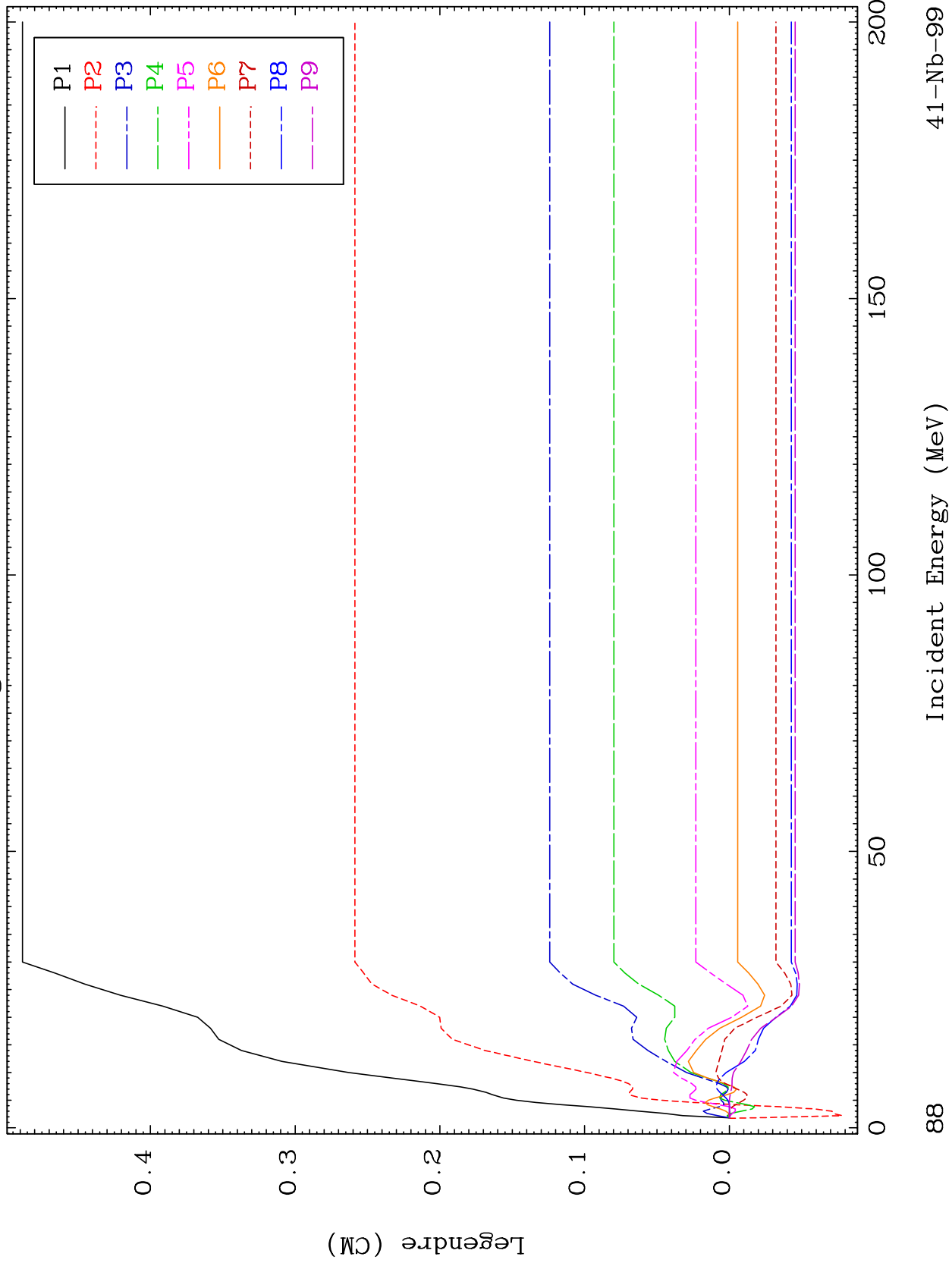


87

MAT 4143

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

41-Nb-99



41-Nb-99

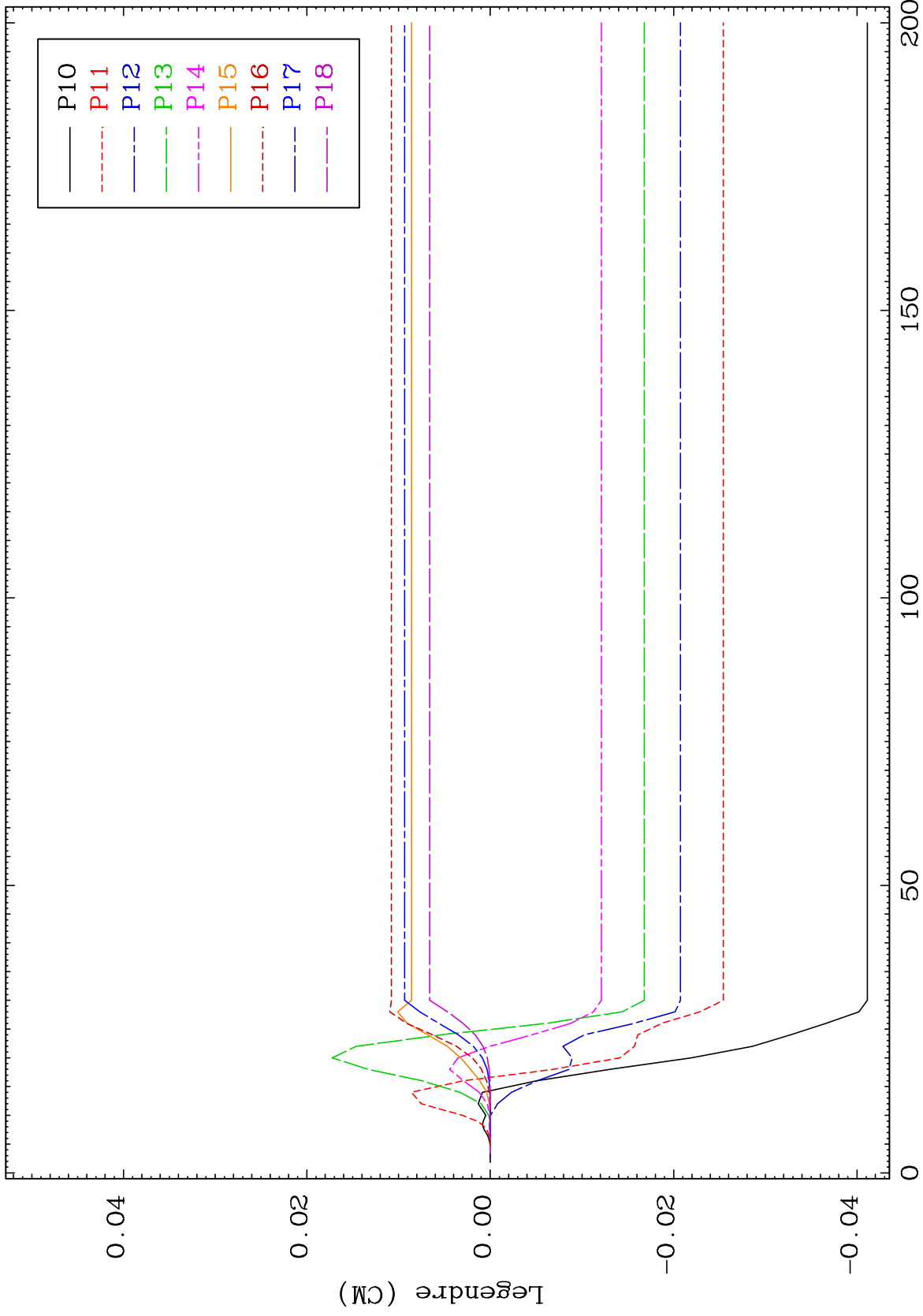
Incident Energy (MeV)

88

MAT 4143

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

41-Nb-99



89

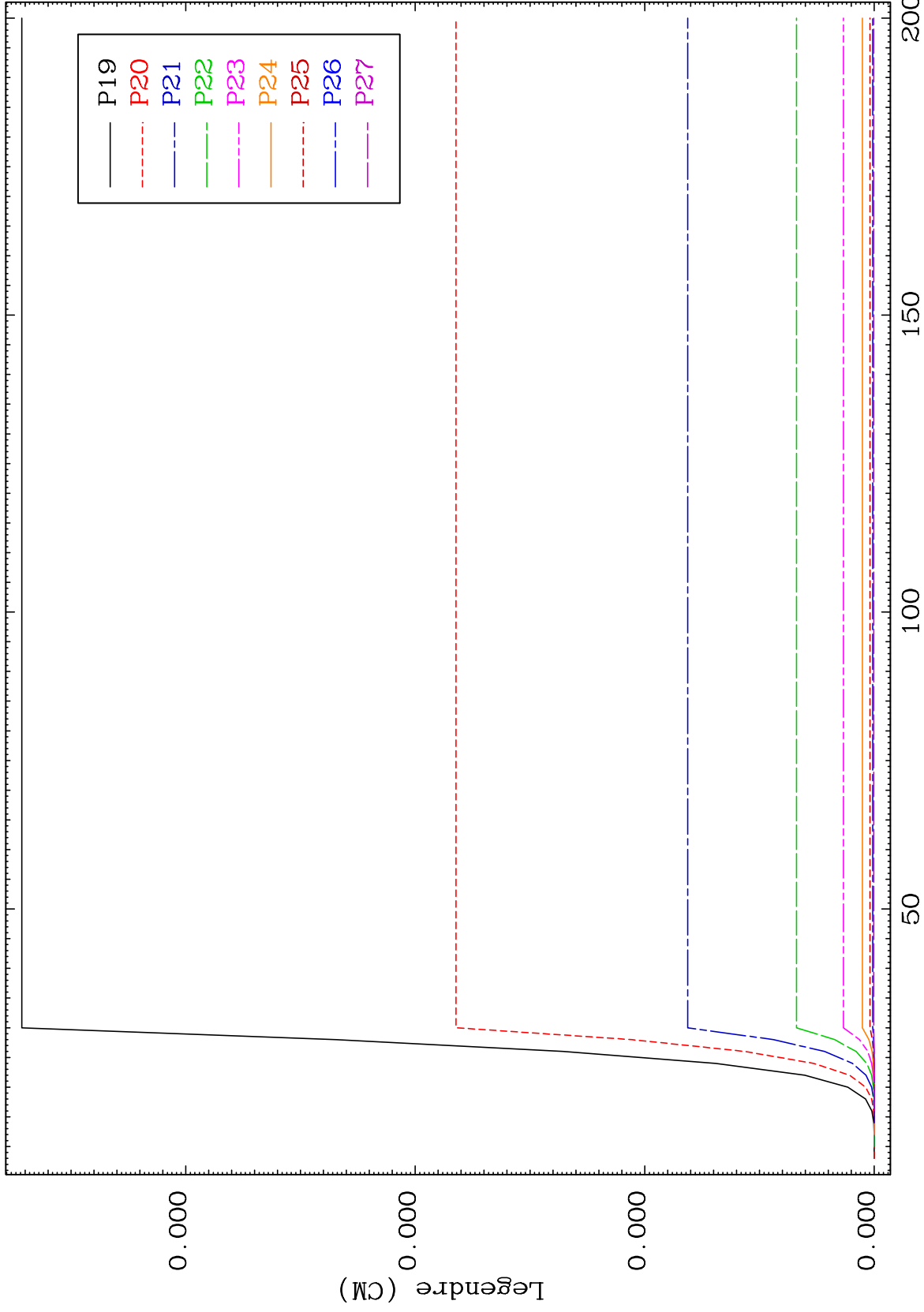
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



90

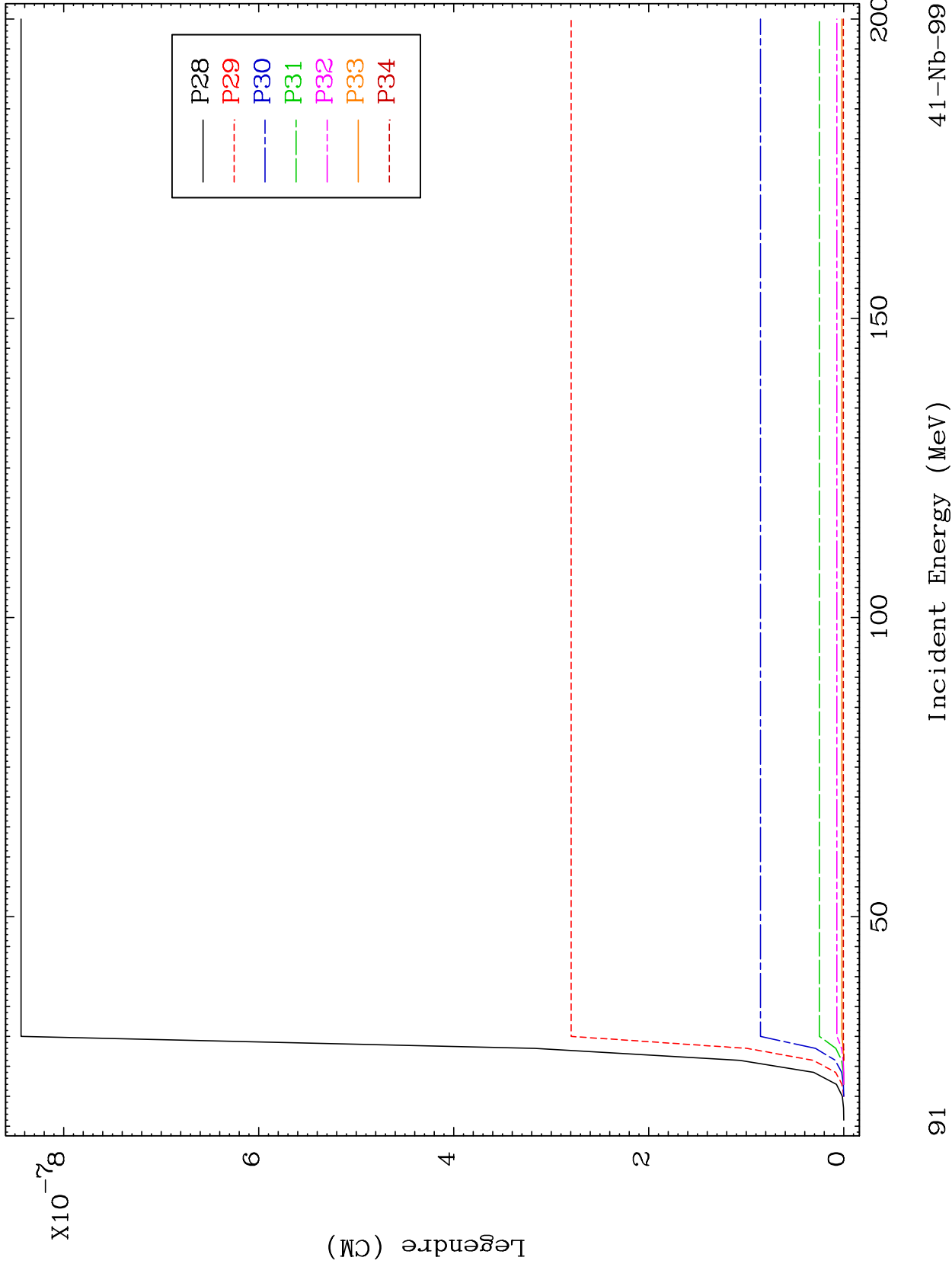
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



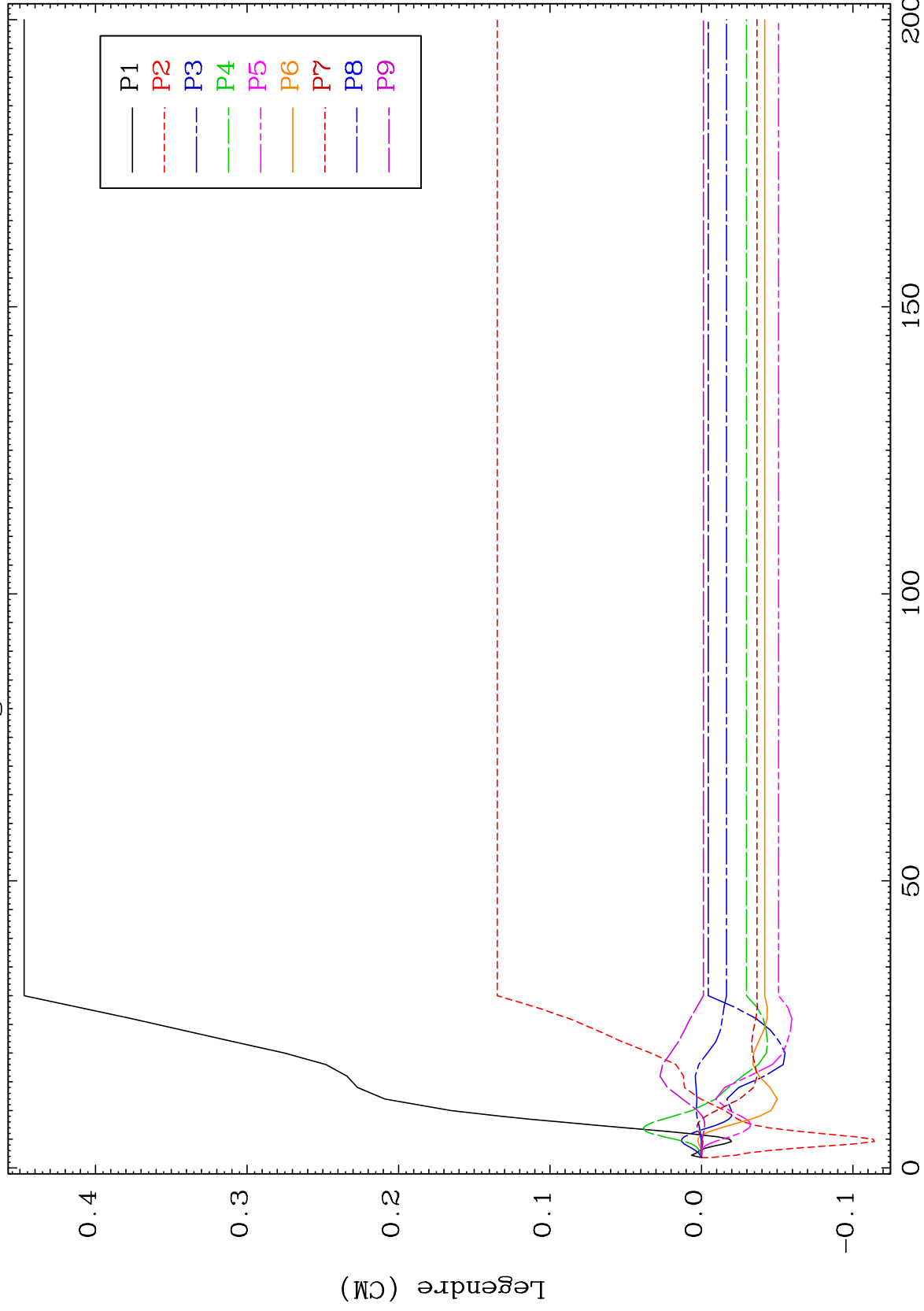
91

41-Nb-99

MAT 4143

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

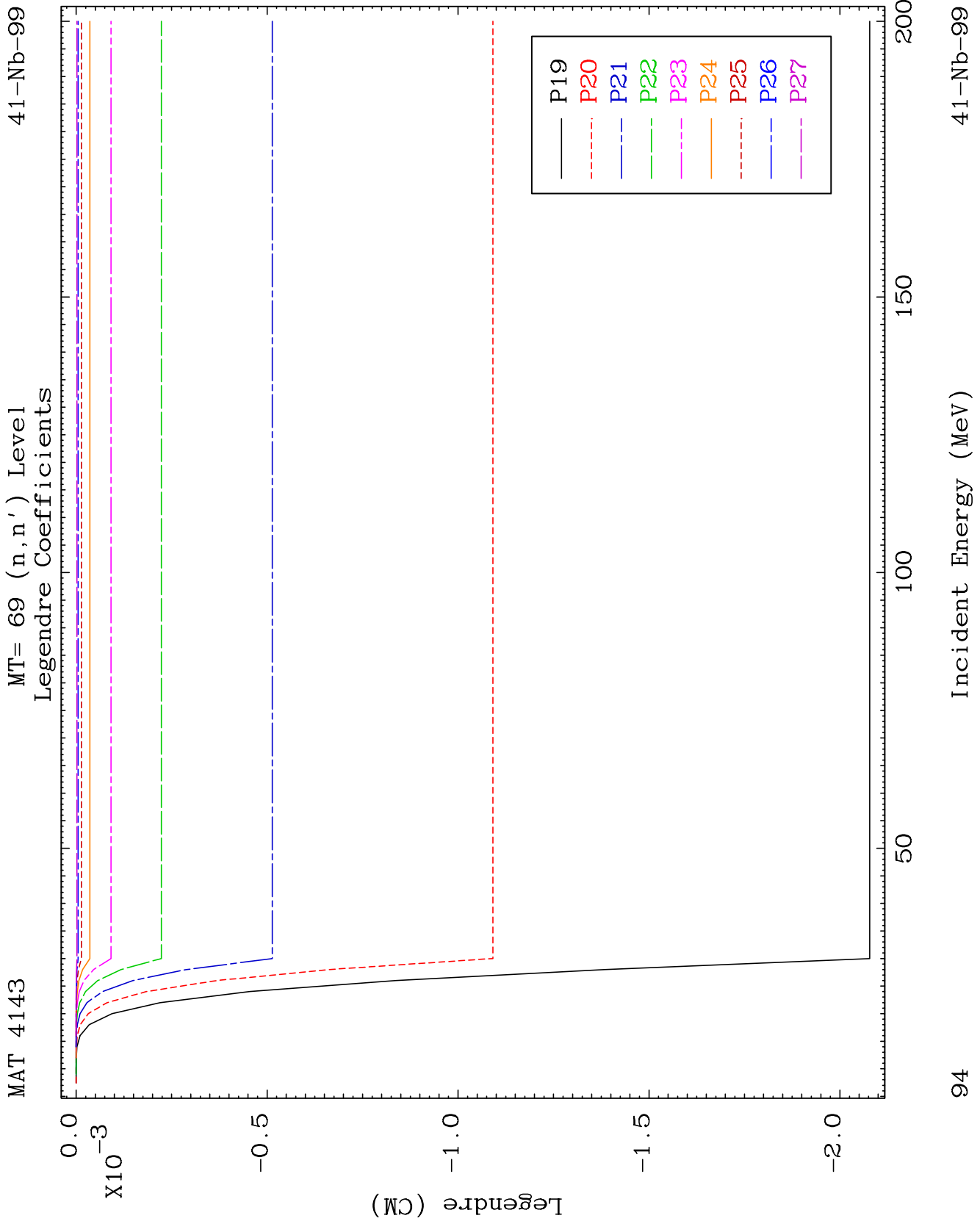
41-Nb-99



92

Incident Energy (MeV)

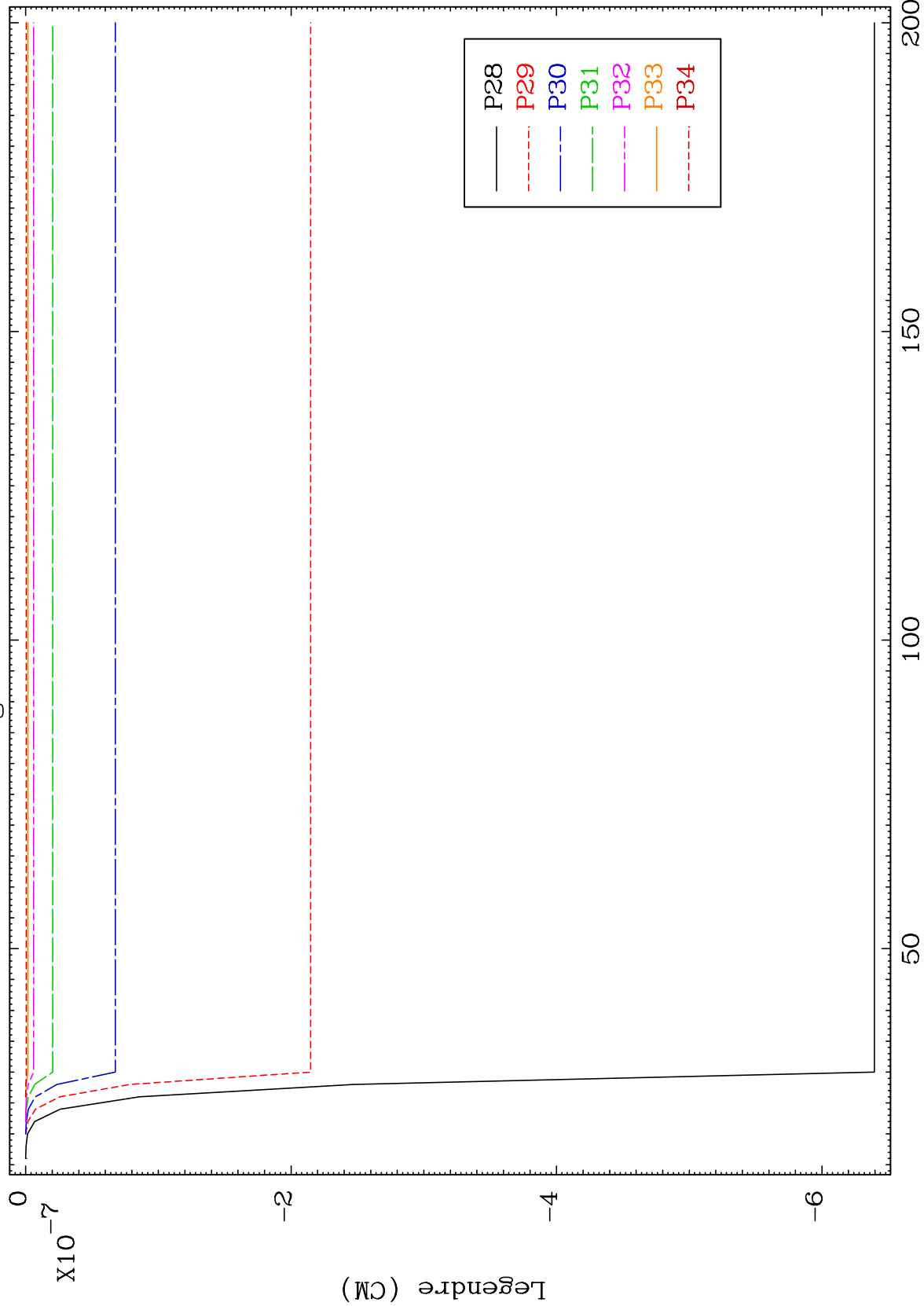
41-Nb-99



MAT 4143

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

41-Nb-99



95

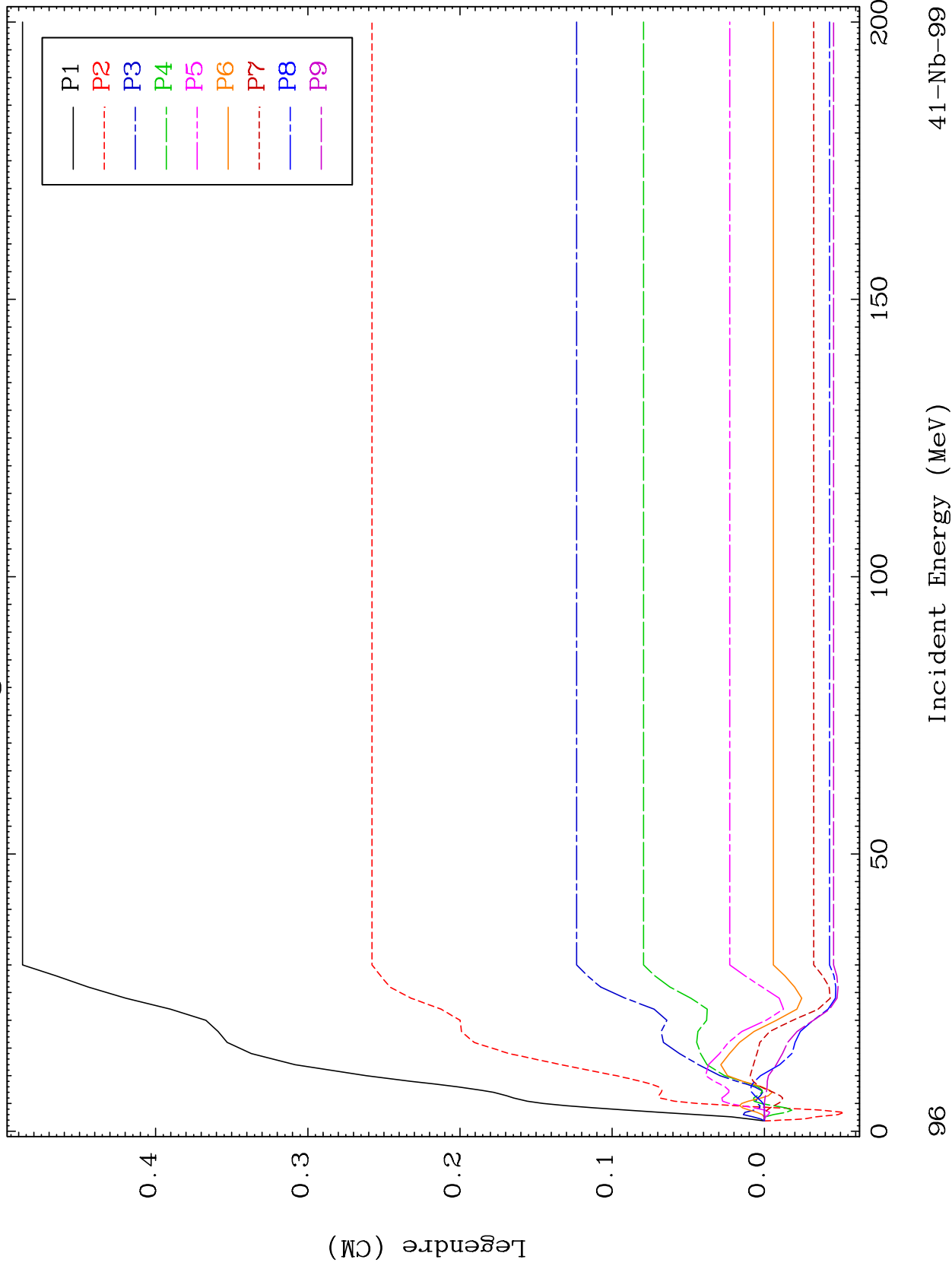
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



41-Nb-99

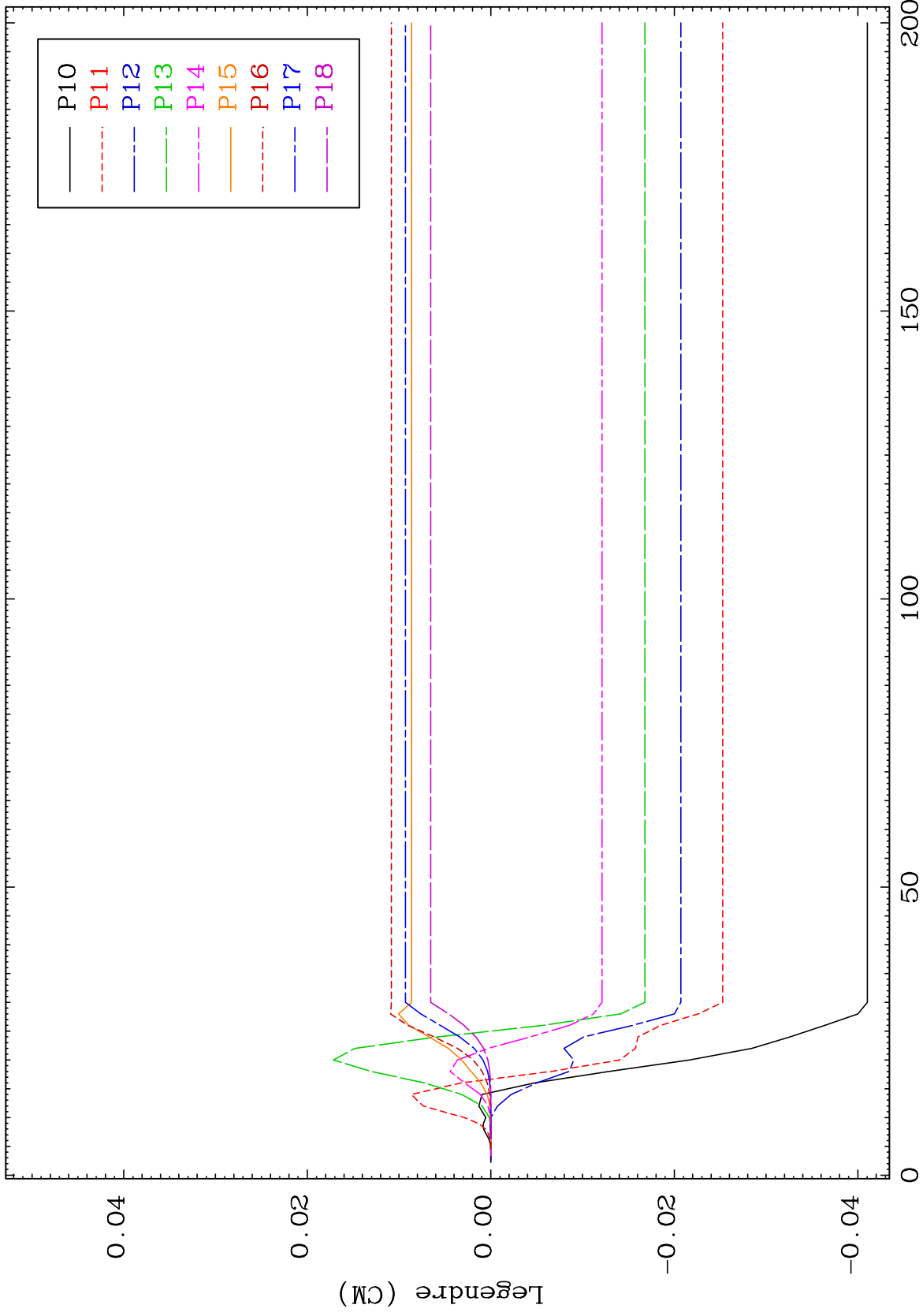
Incident Energy (MeV)

96

MAT 4143

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

41-Nb-99



97

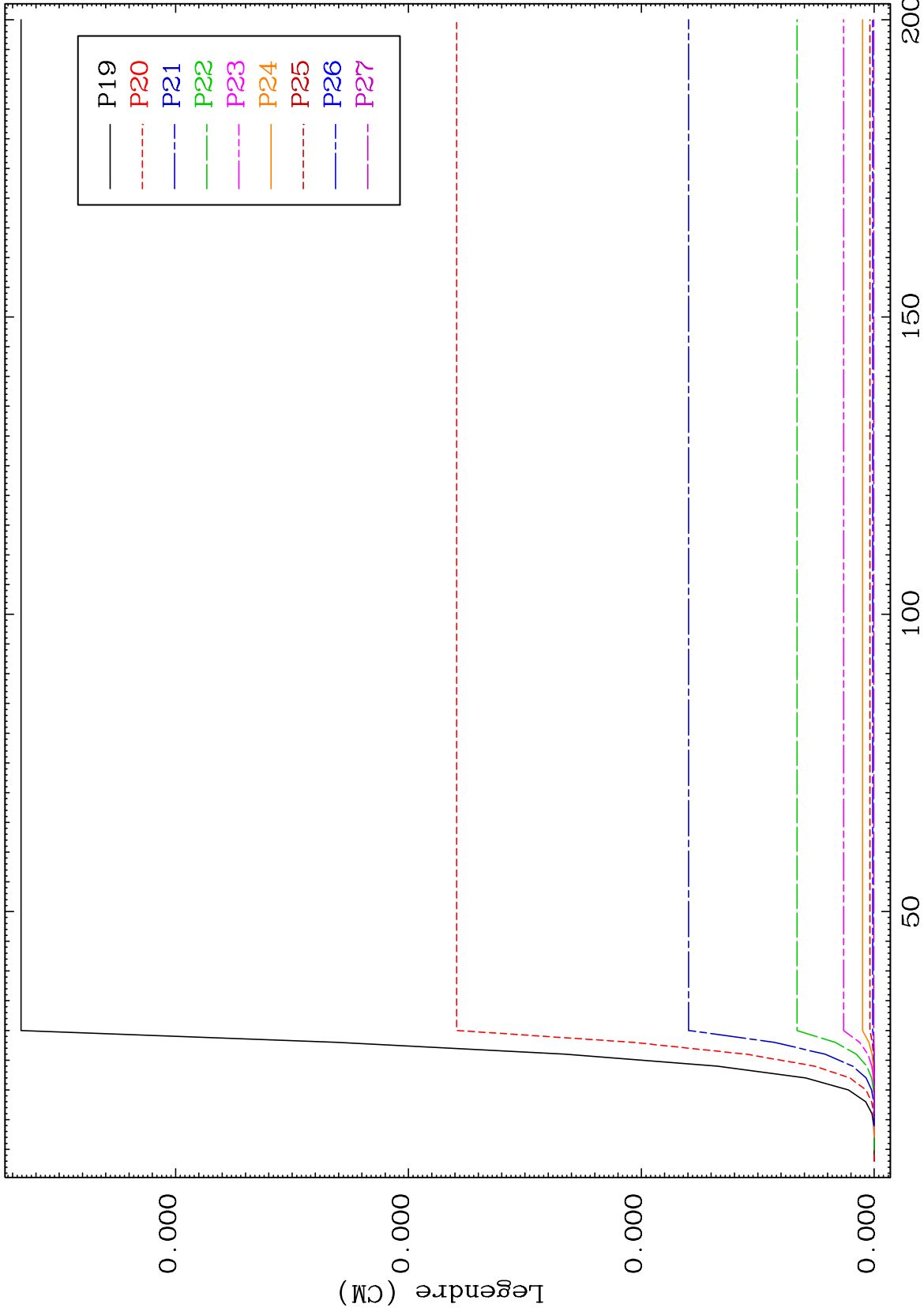
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



98

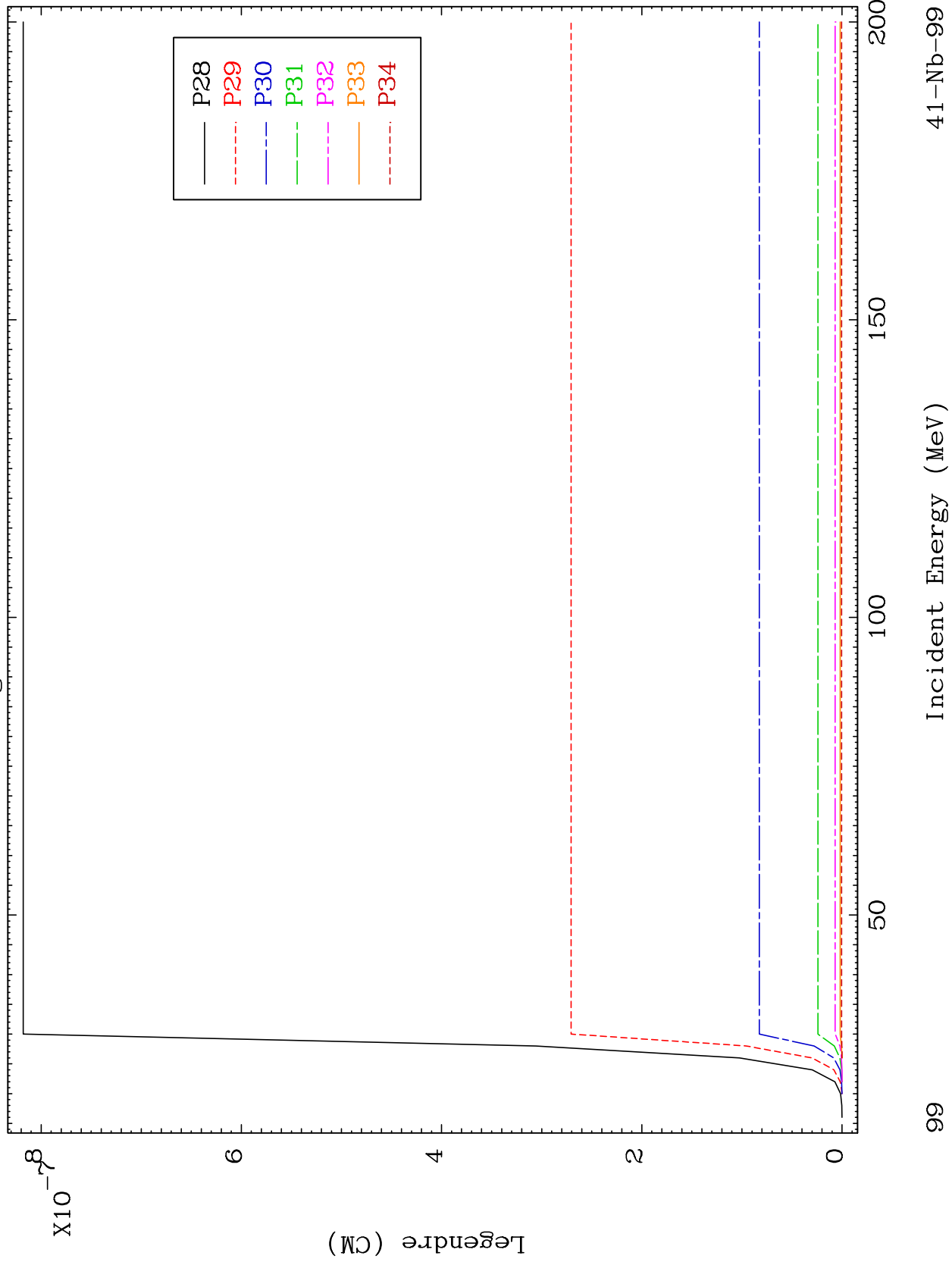
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

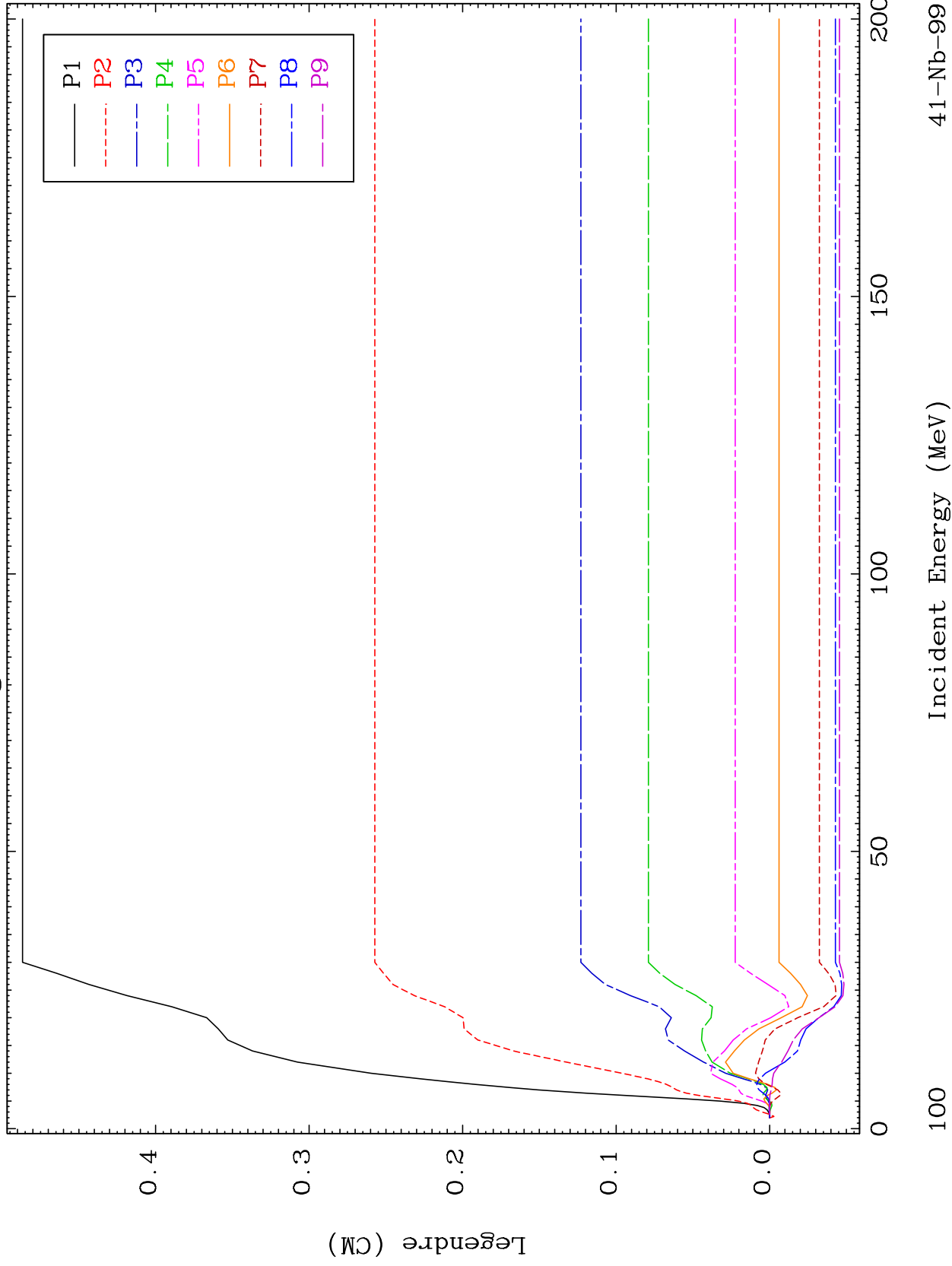
41-Nb-99



MAT 4143

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

41-Nb-99

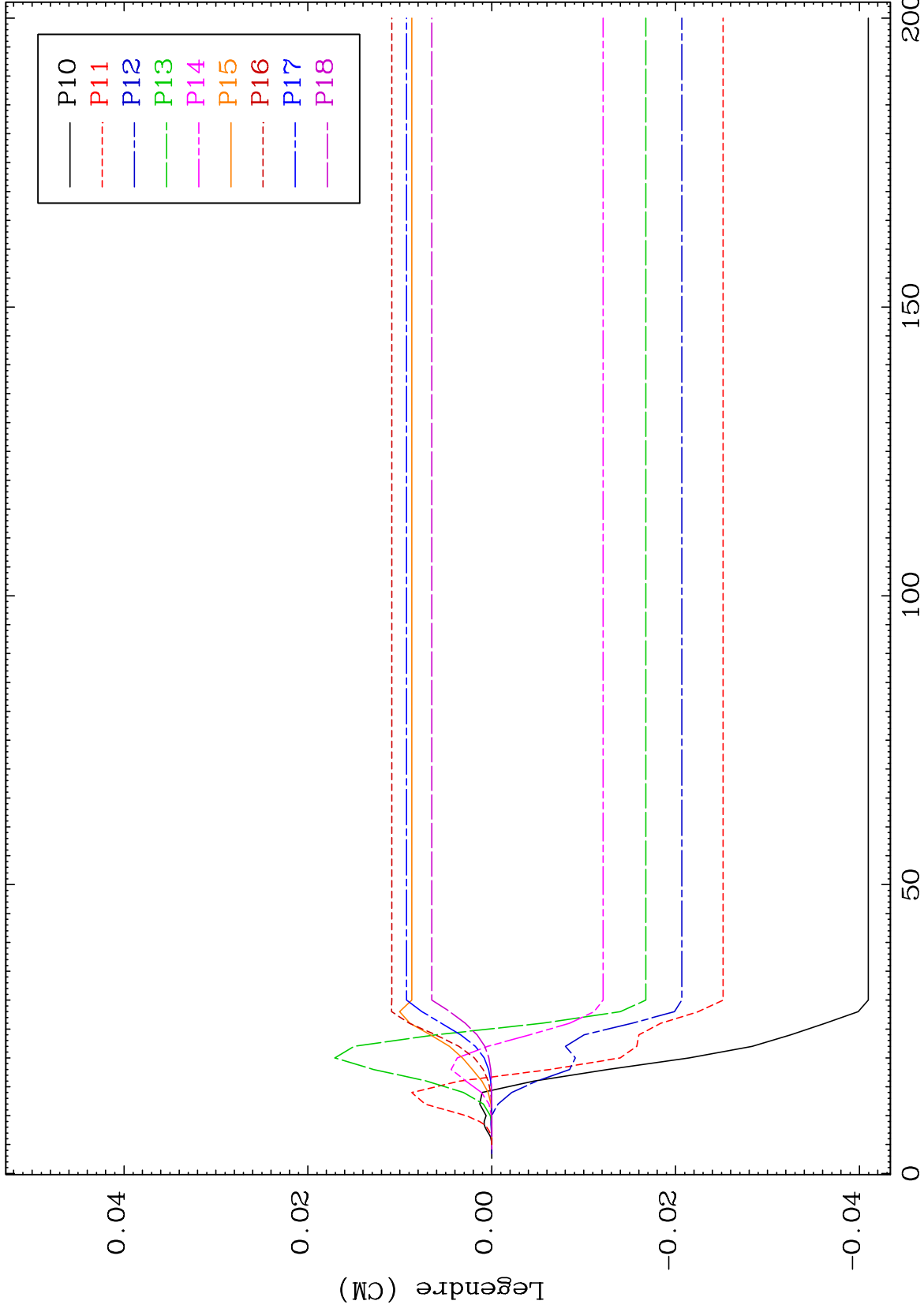


41-Nb-99

MAT 4143

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

41-Nb-99



101

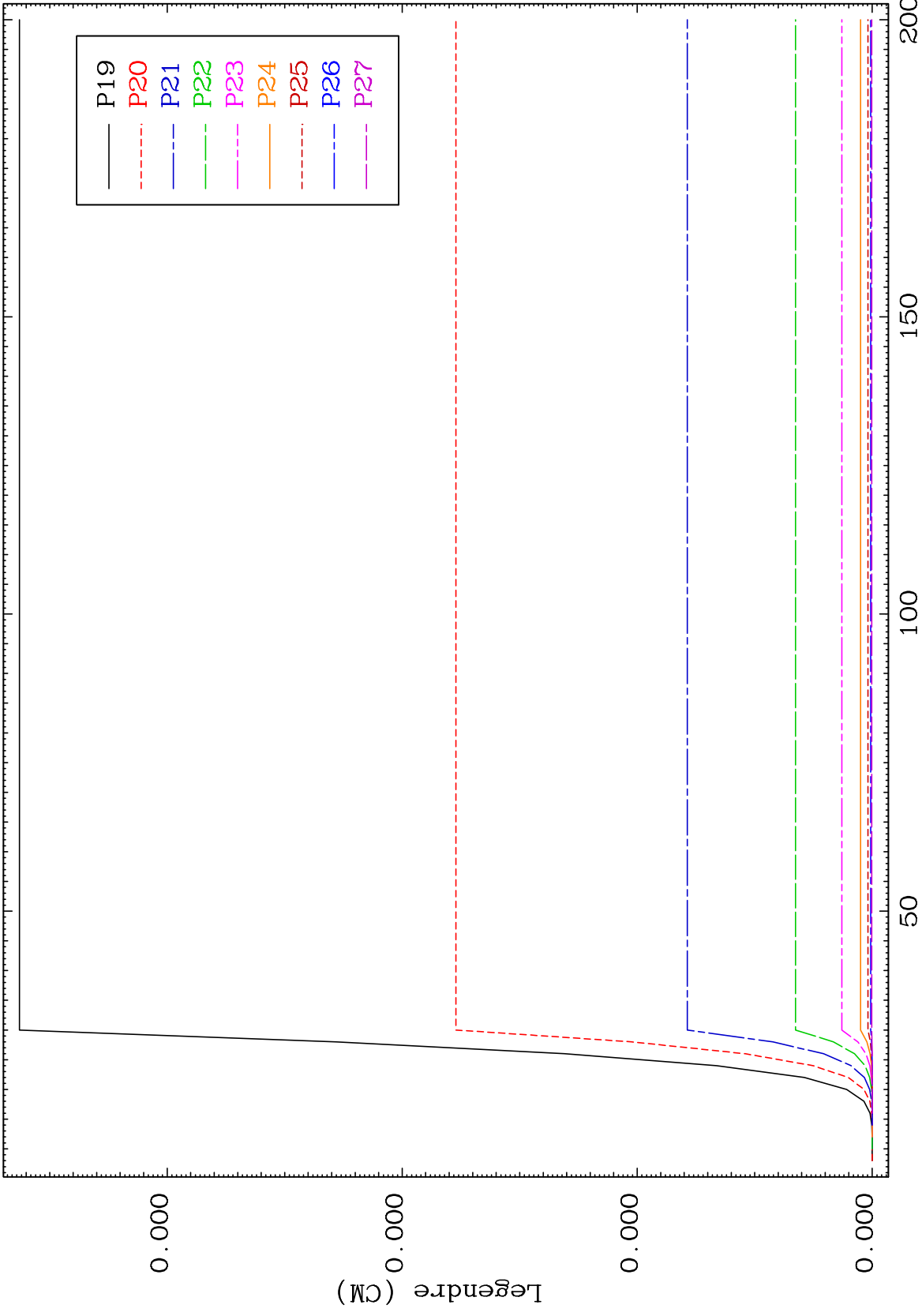
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



102

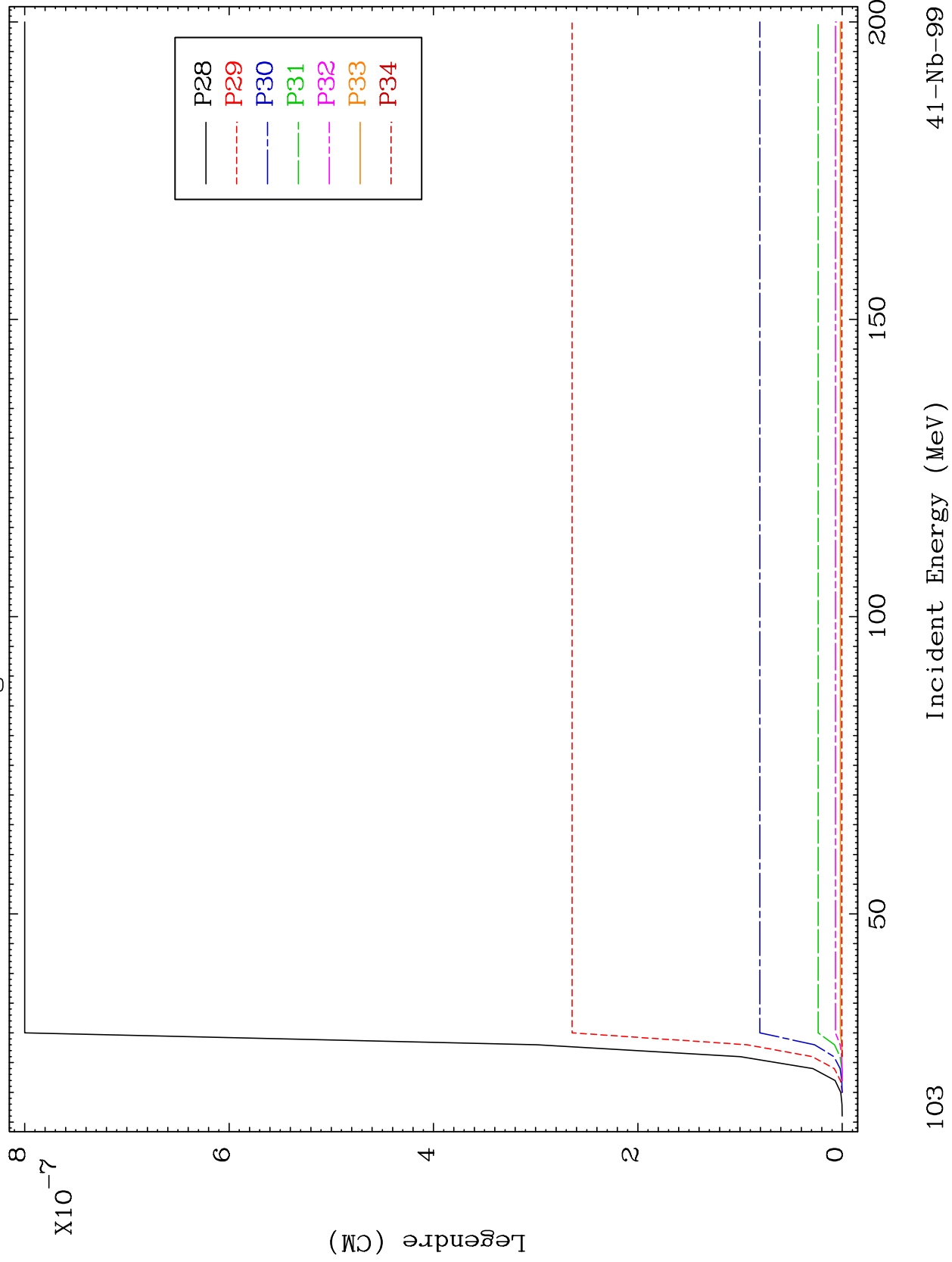
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99

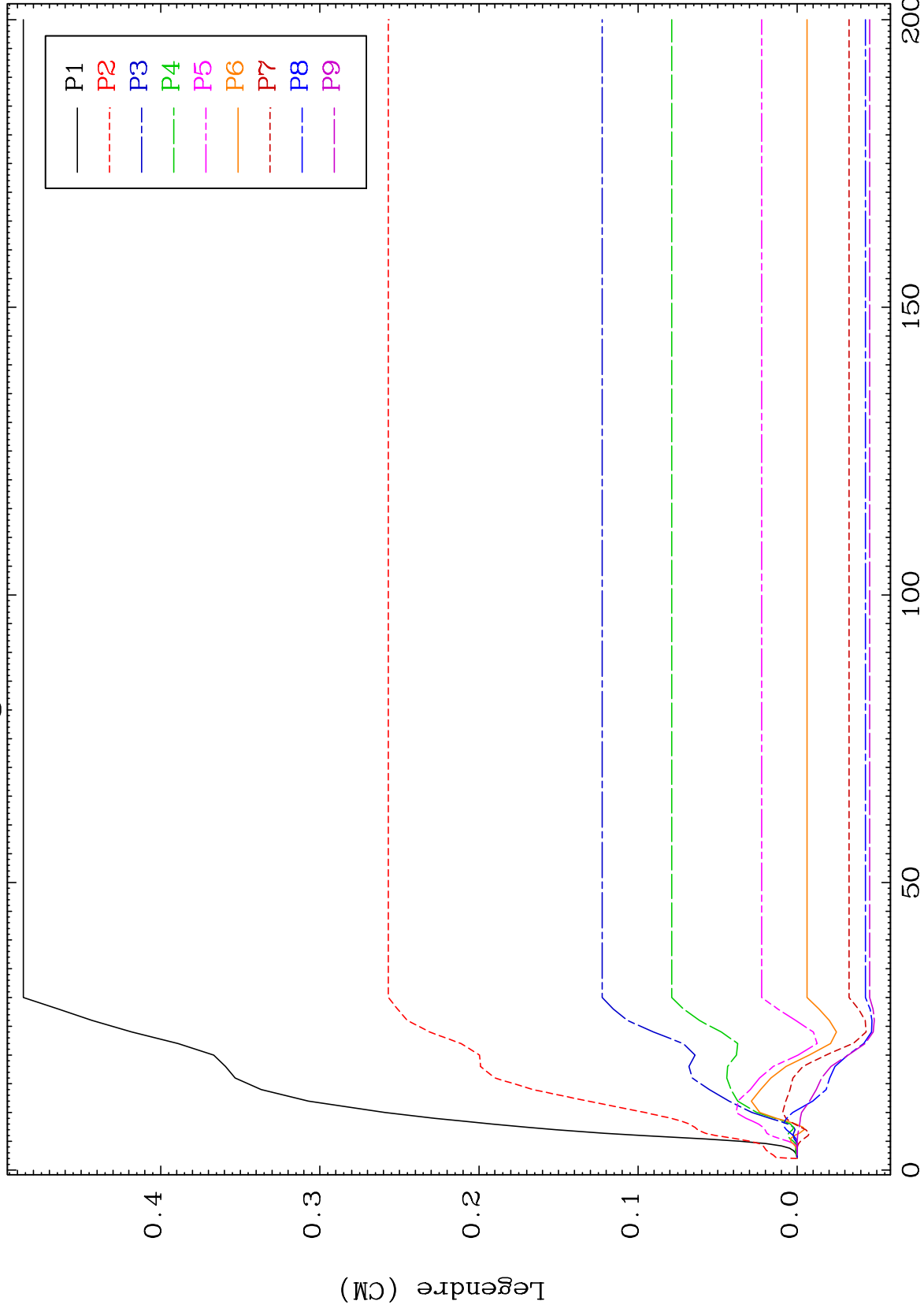


103

MAT 4143

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

41-Nb-99



104

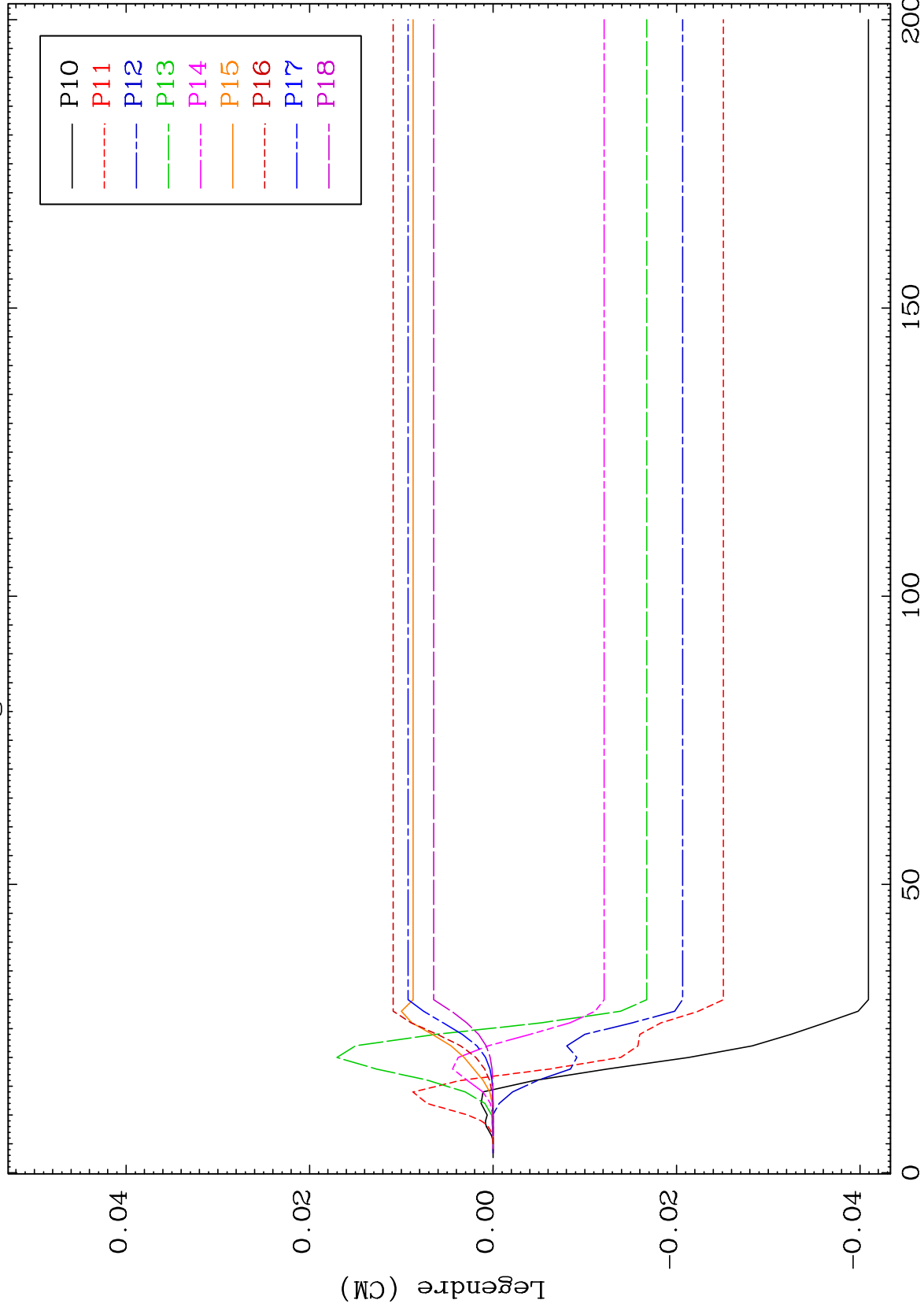
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



105

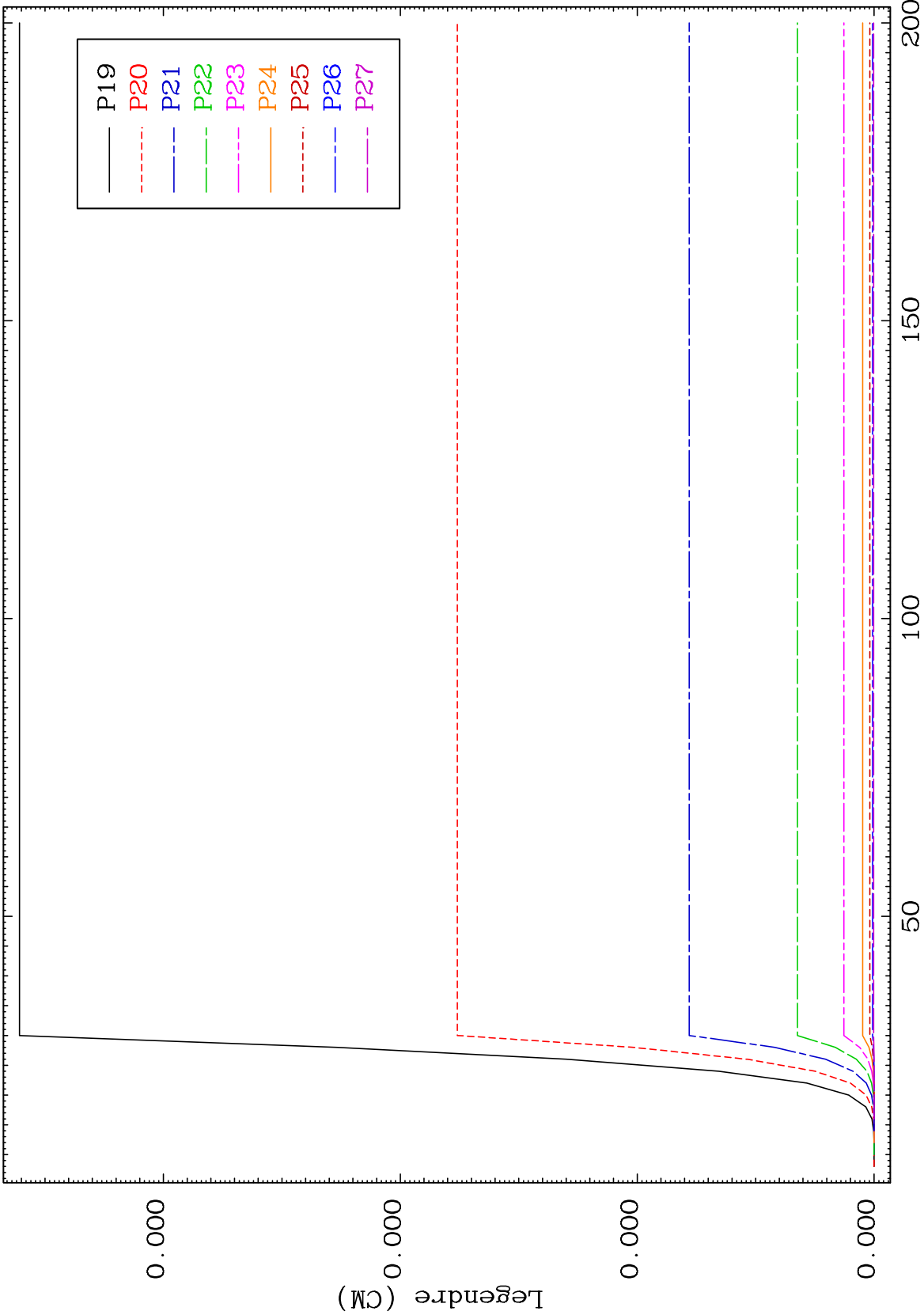
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



106

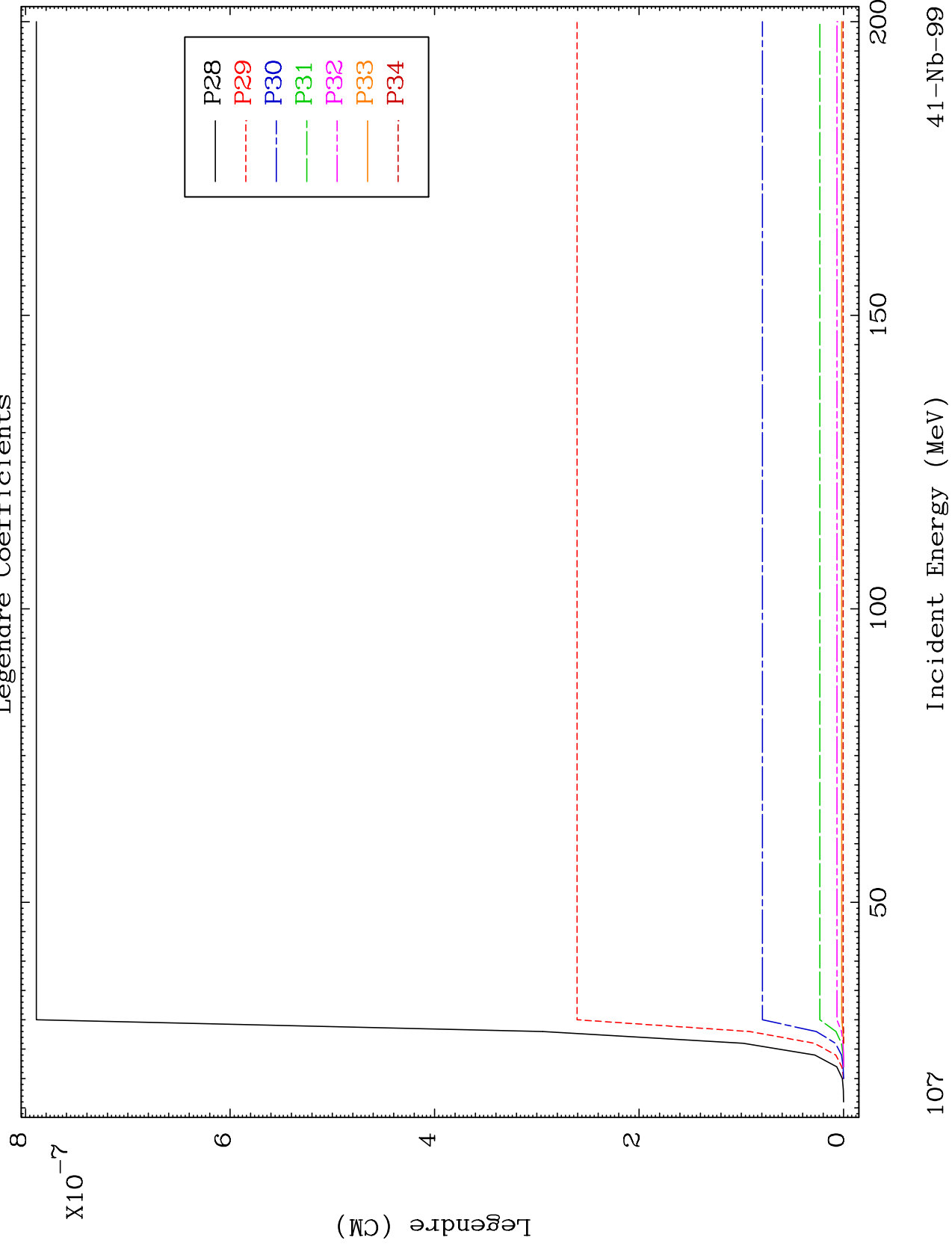
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

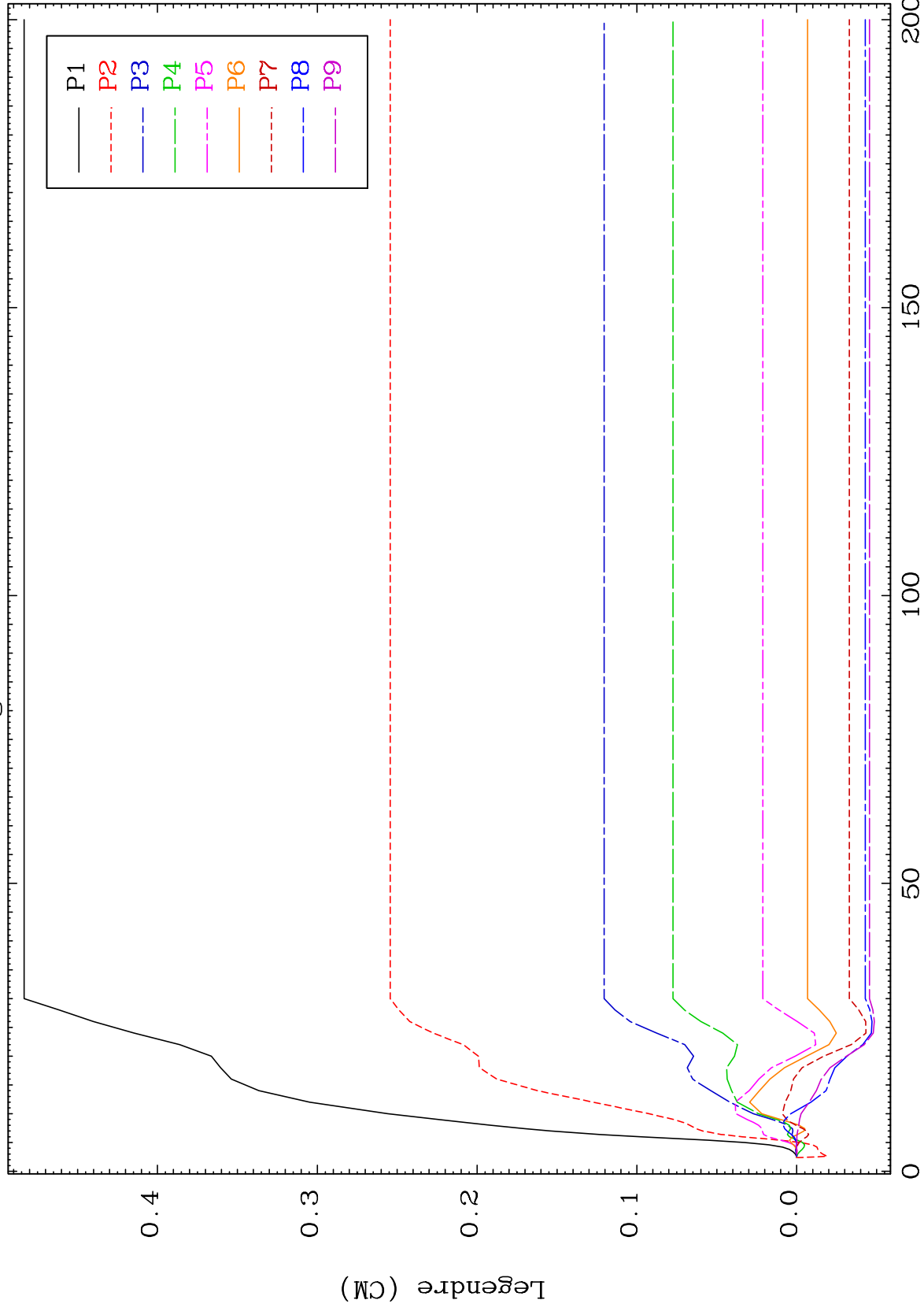
41-Nb-99



MAT 4143

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

41-Nb-99



108

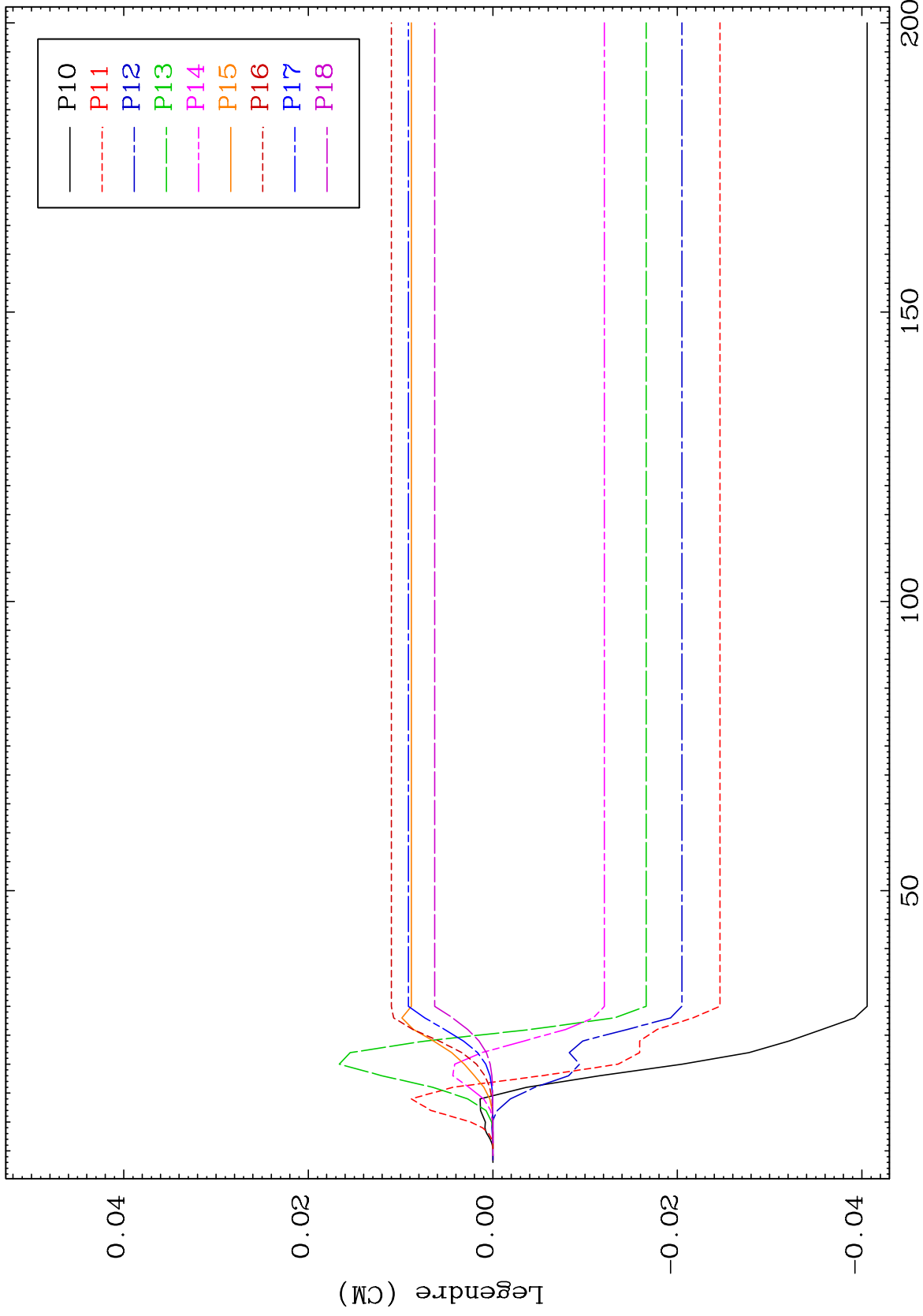
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



109

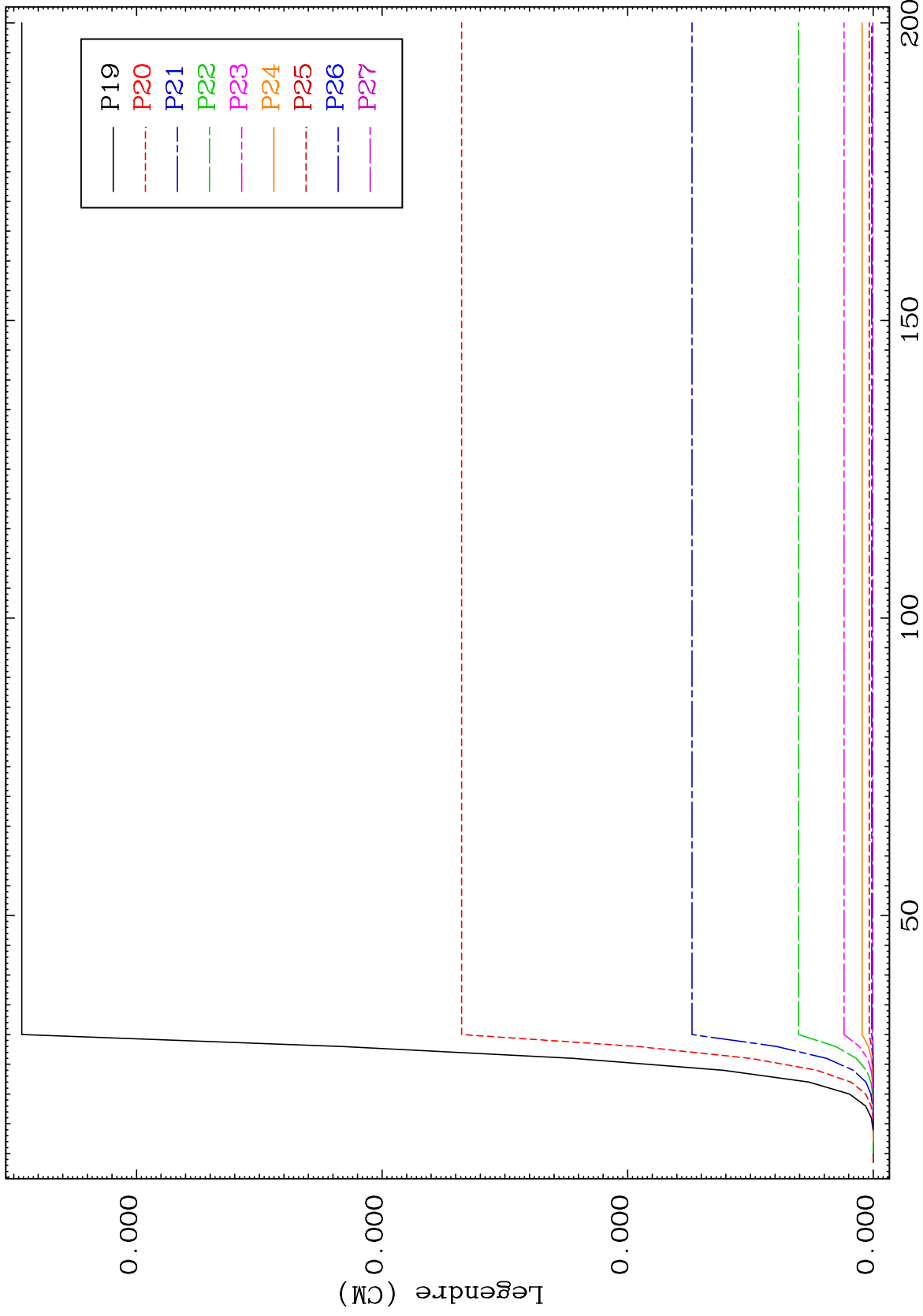
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



110

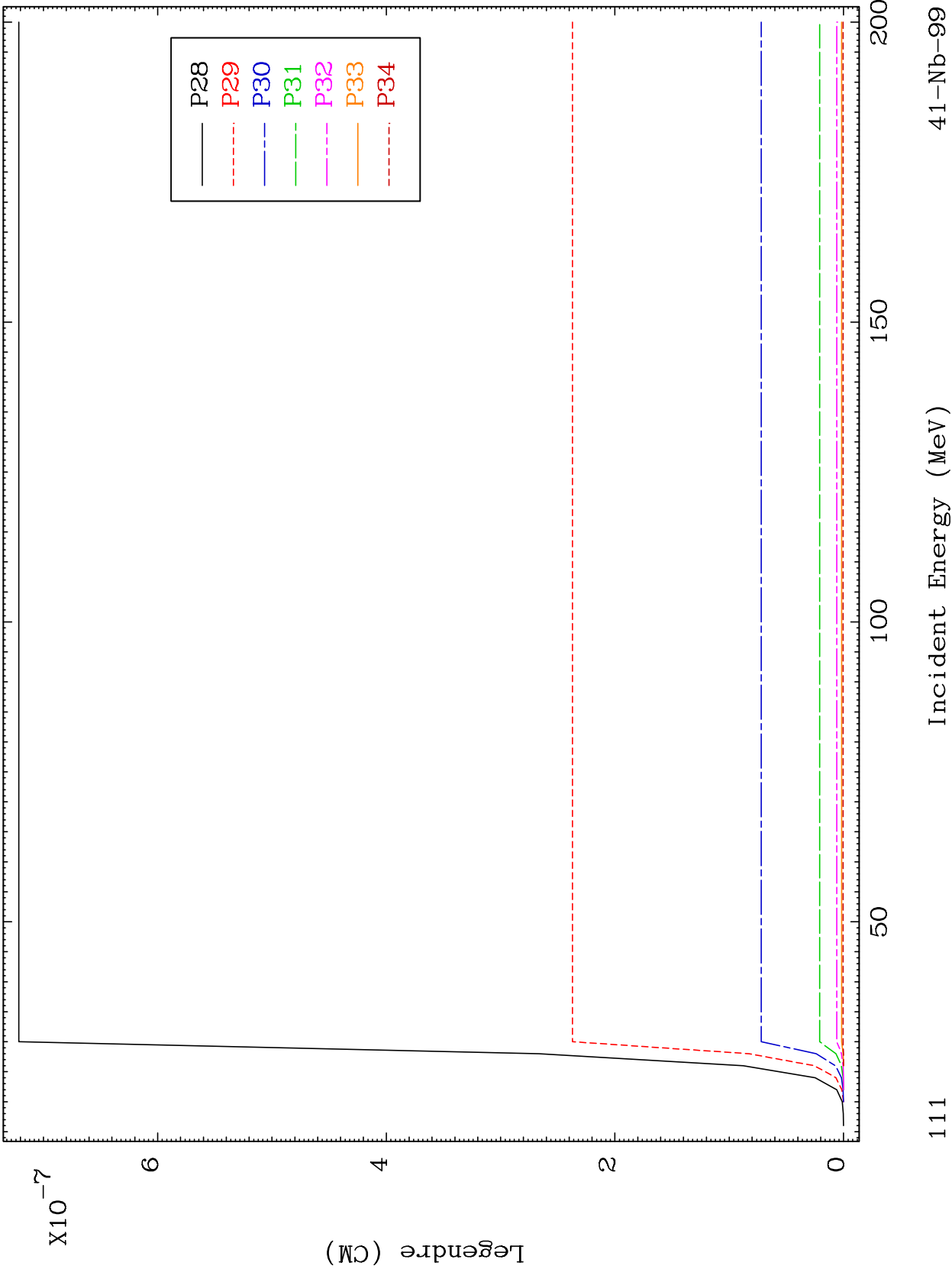
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



111

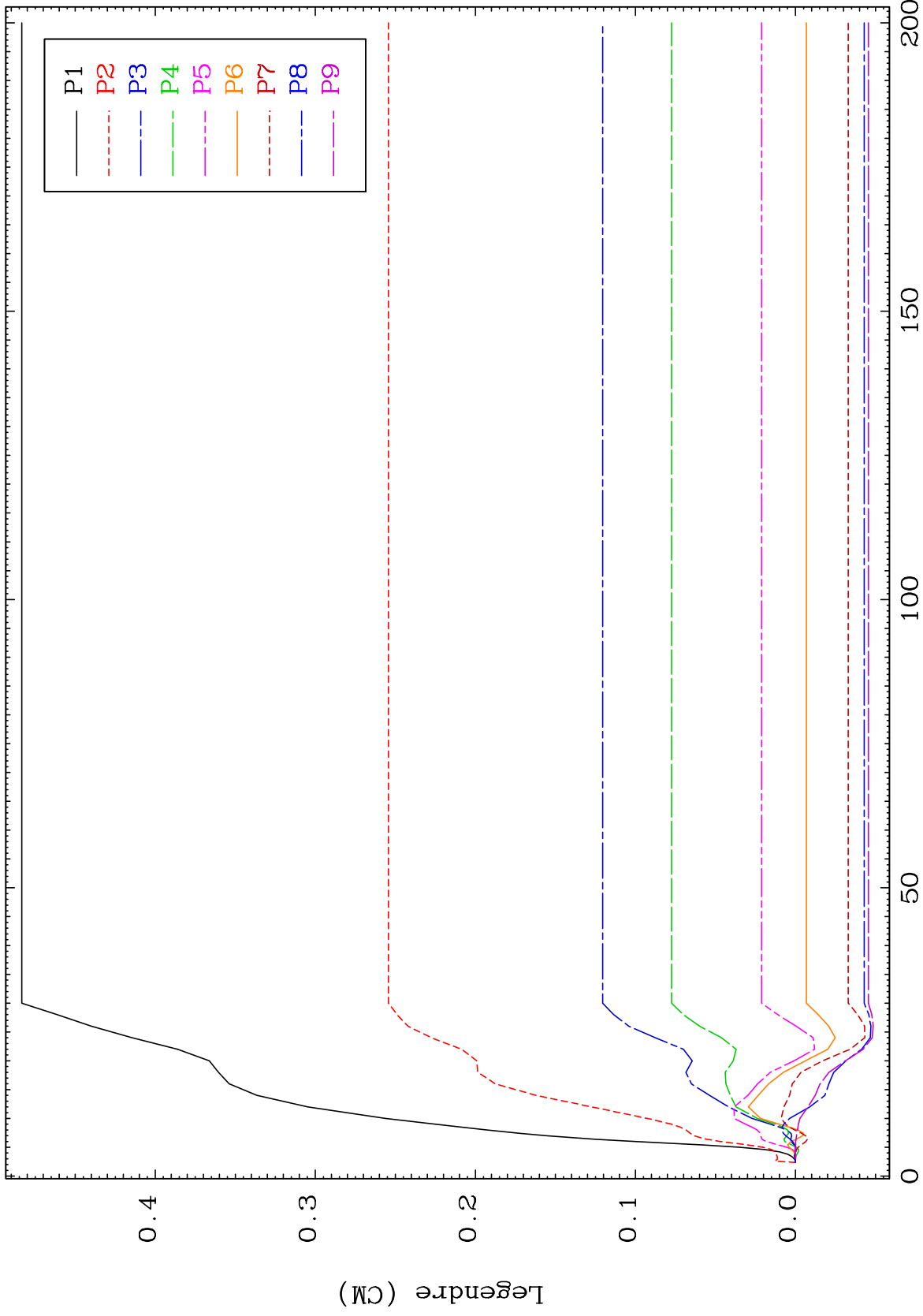
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



112

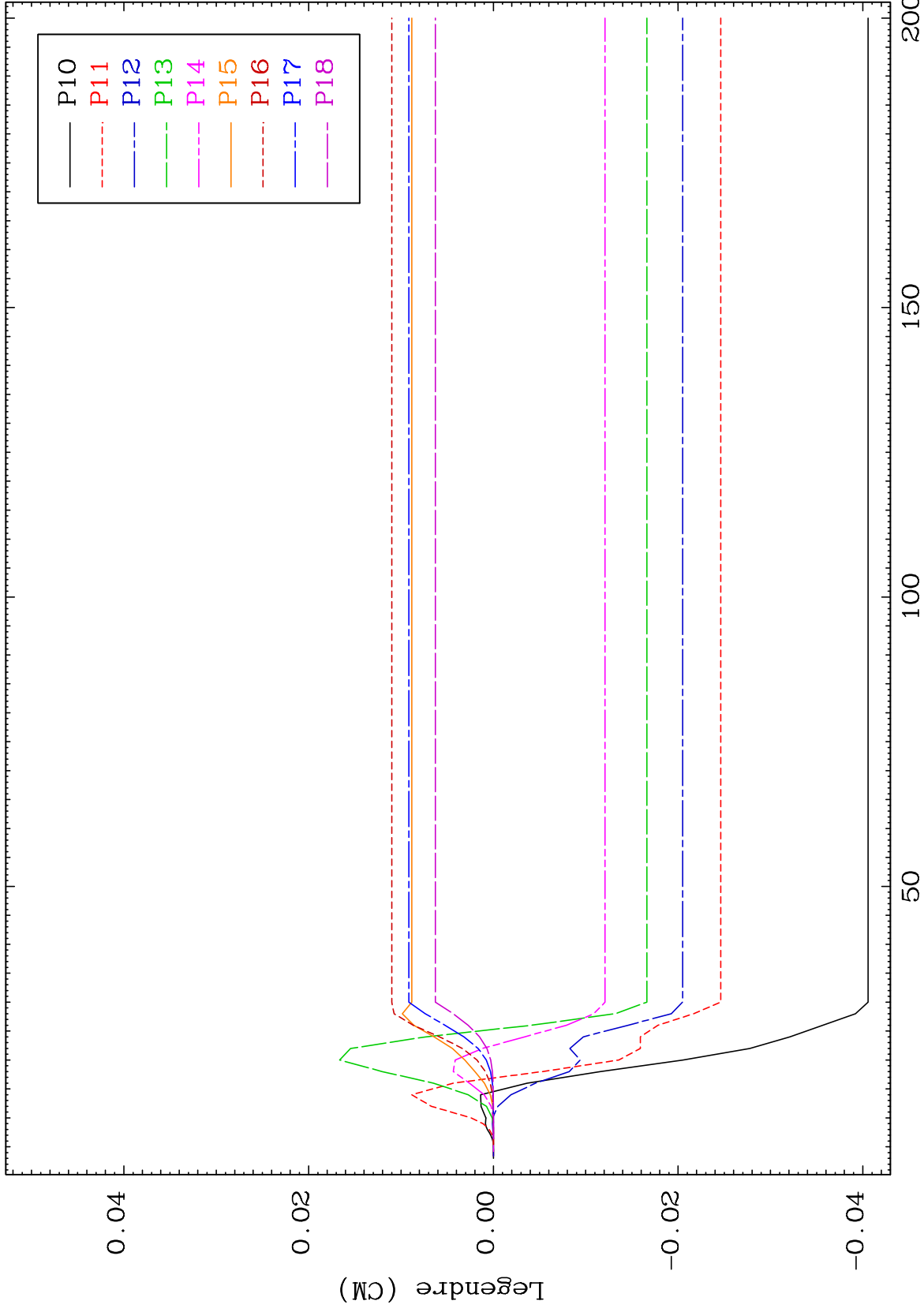
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



113

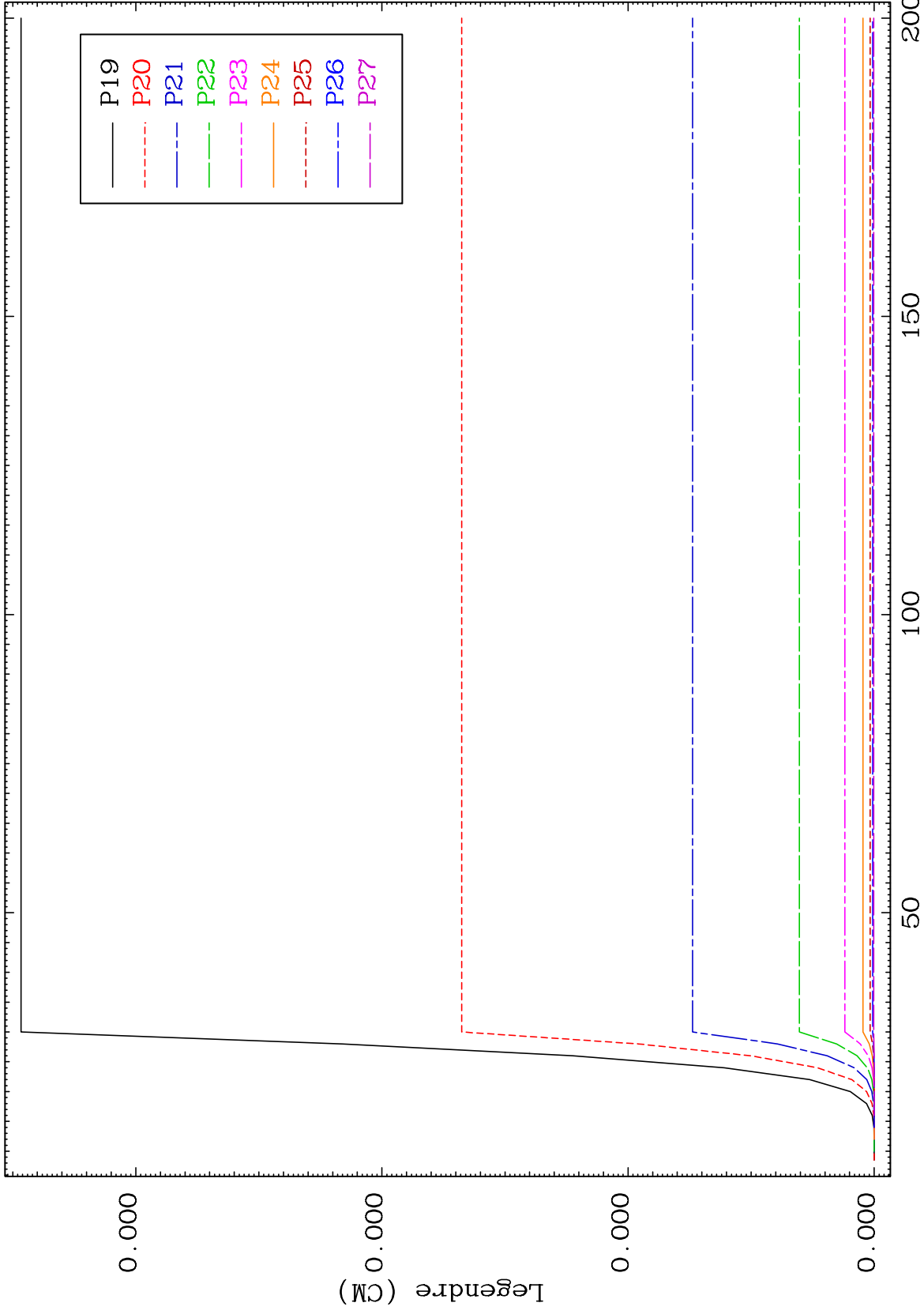
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



114

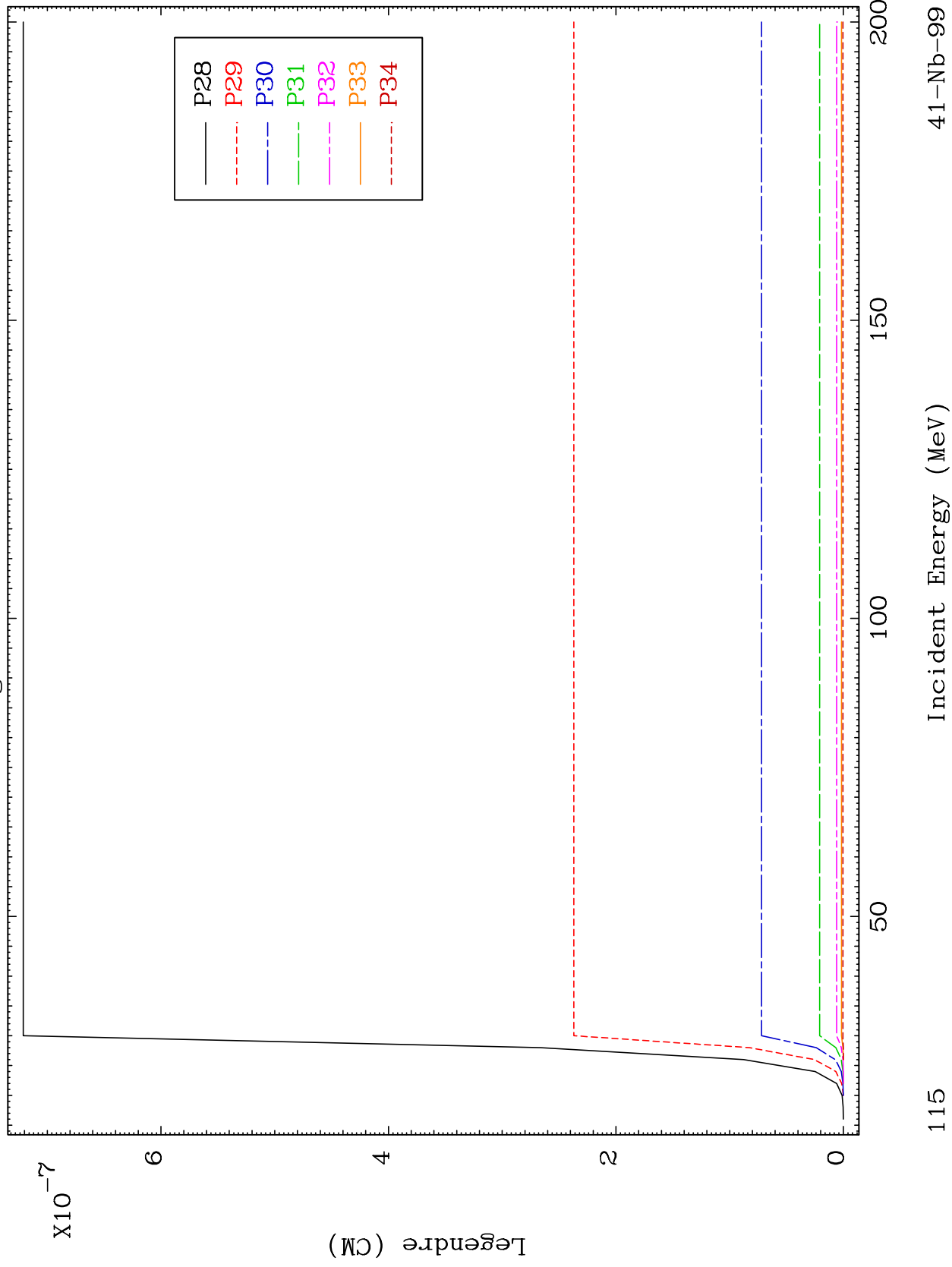
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

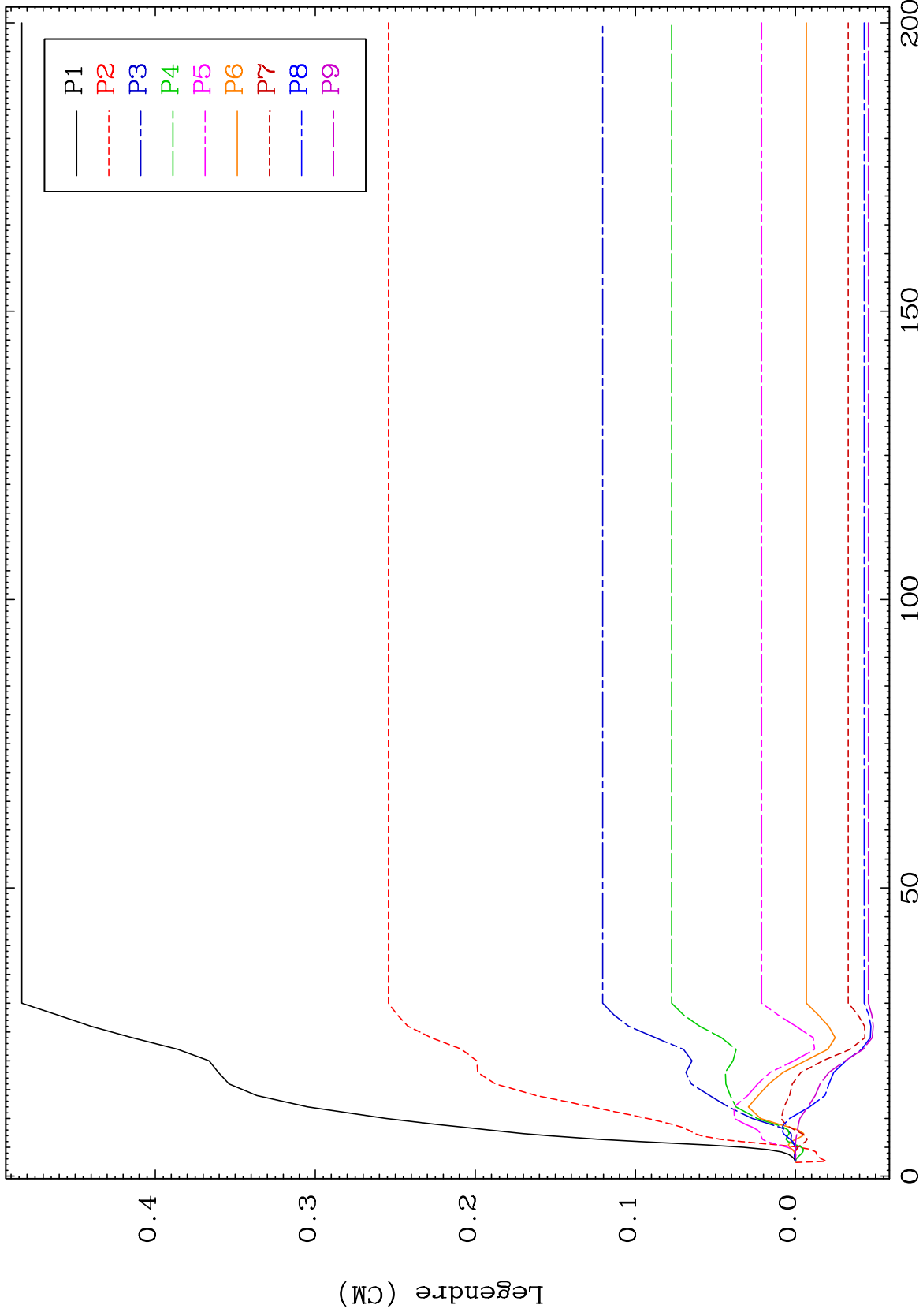
41-Nb-99



MAT 4143

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

41-Nb-99



116

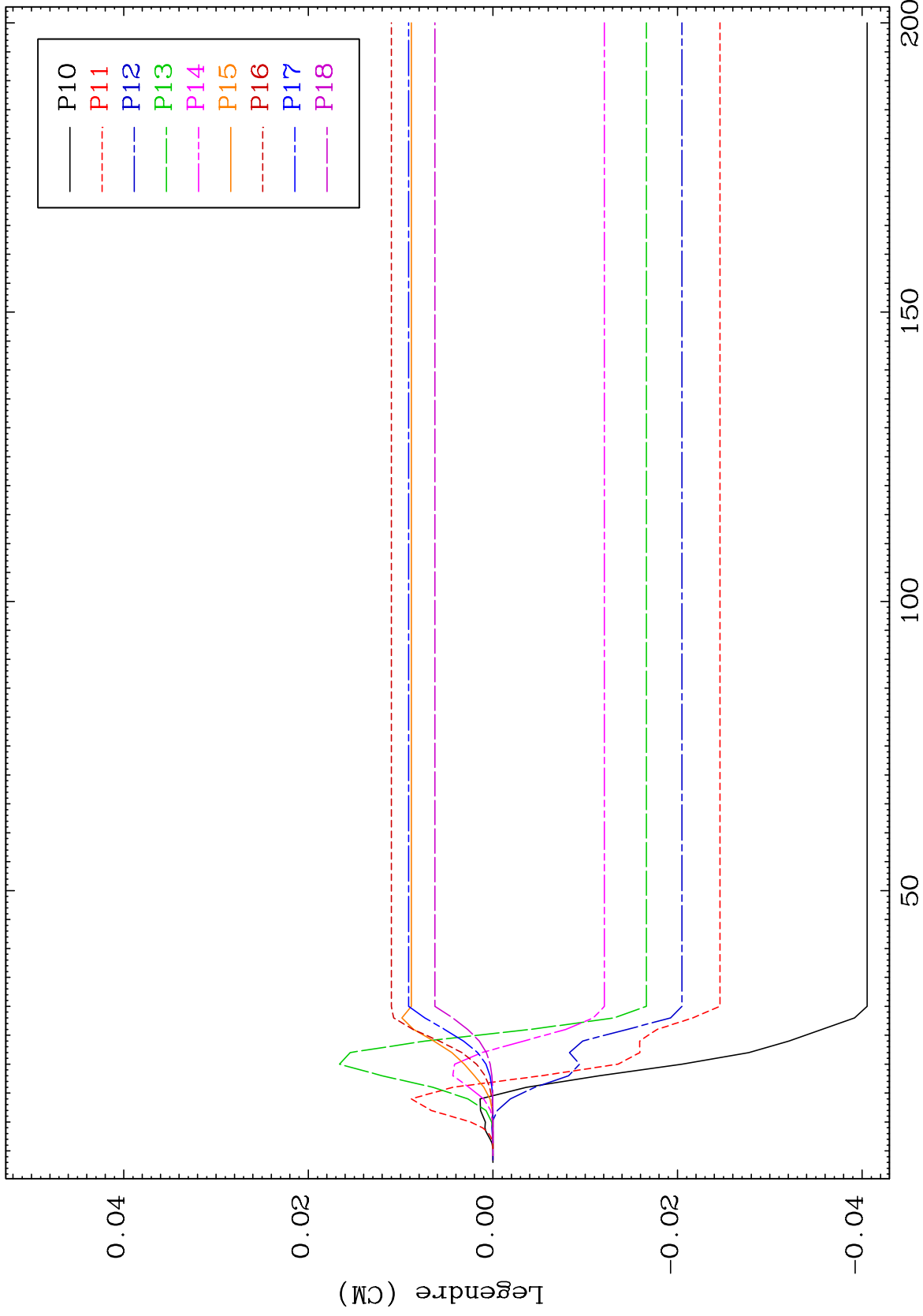
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



117

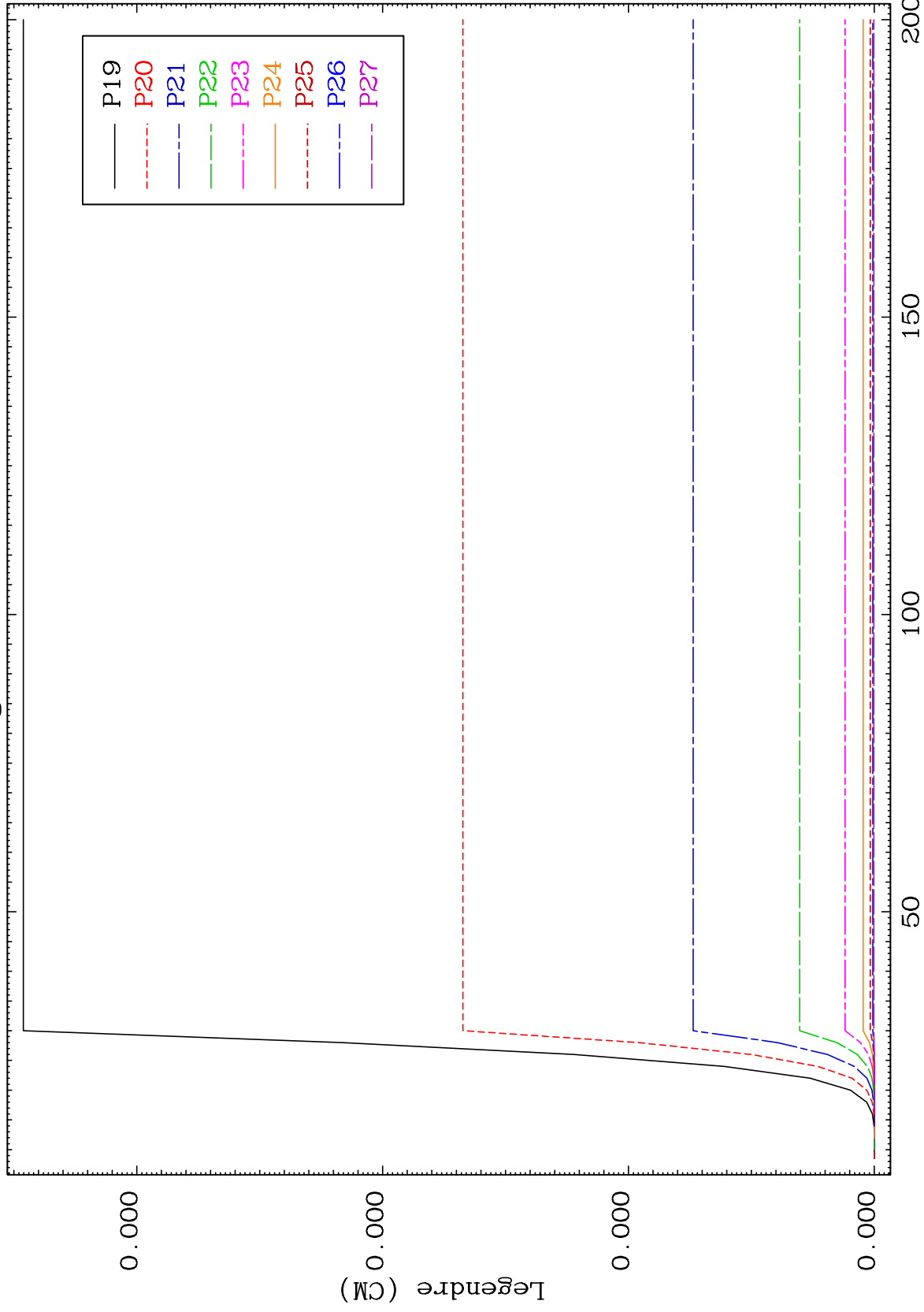
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



118

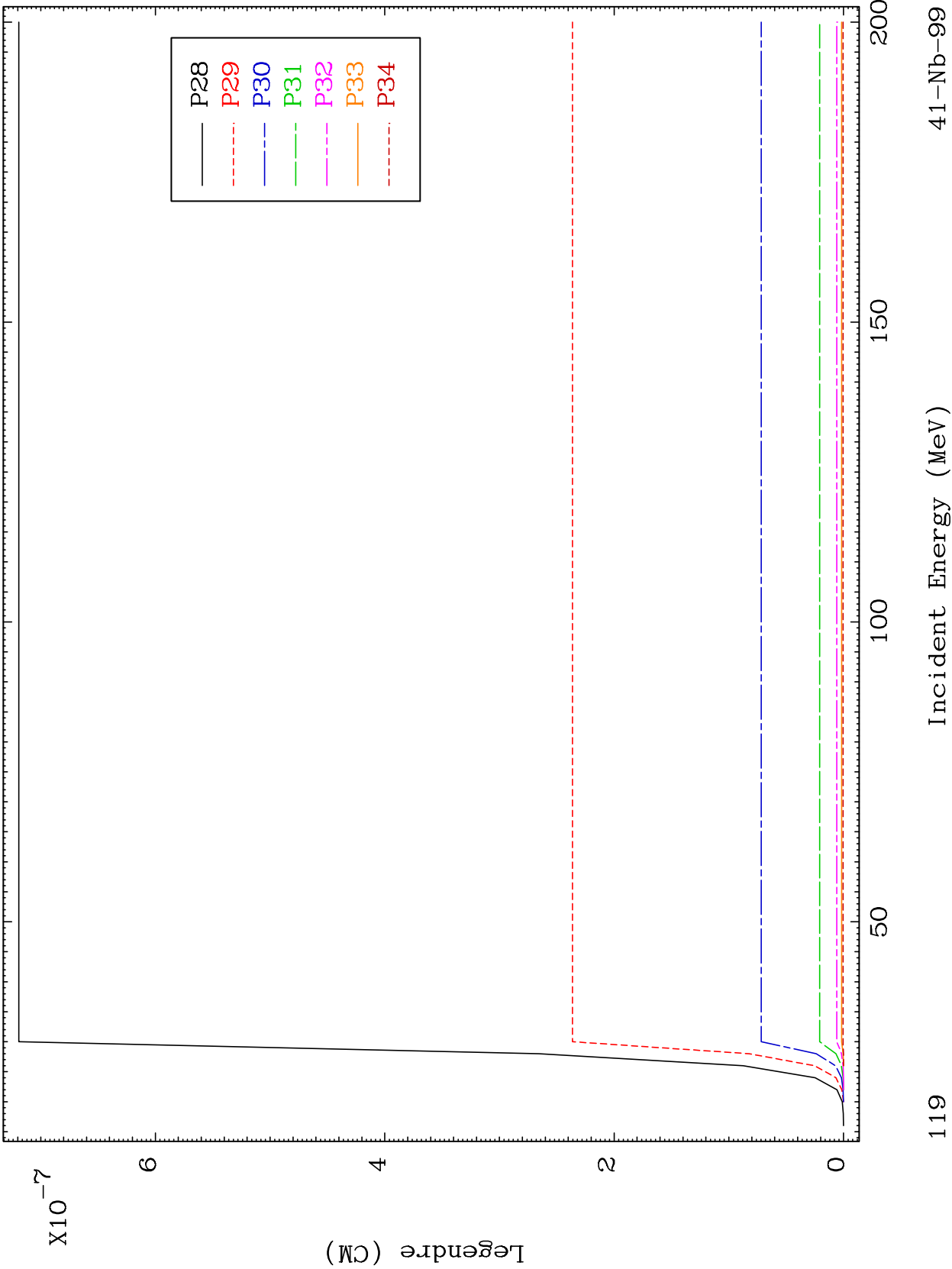
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



119

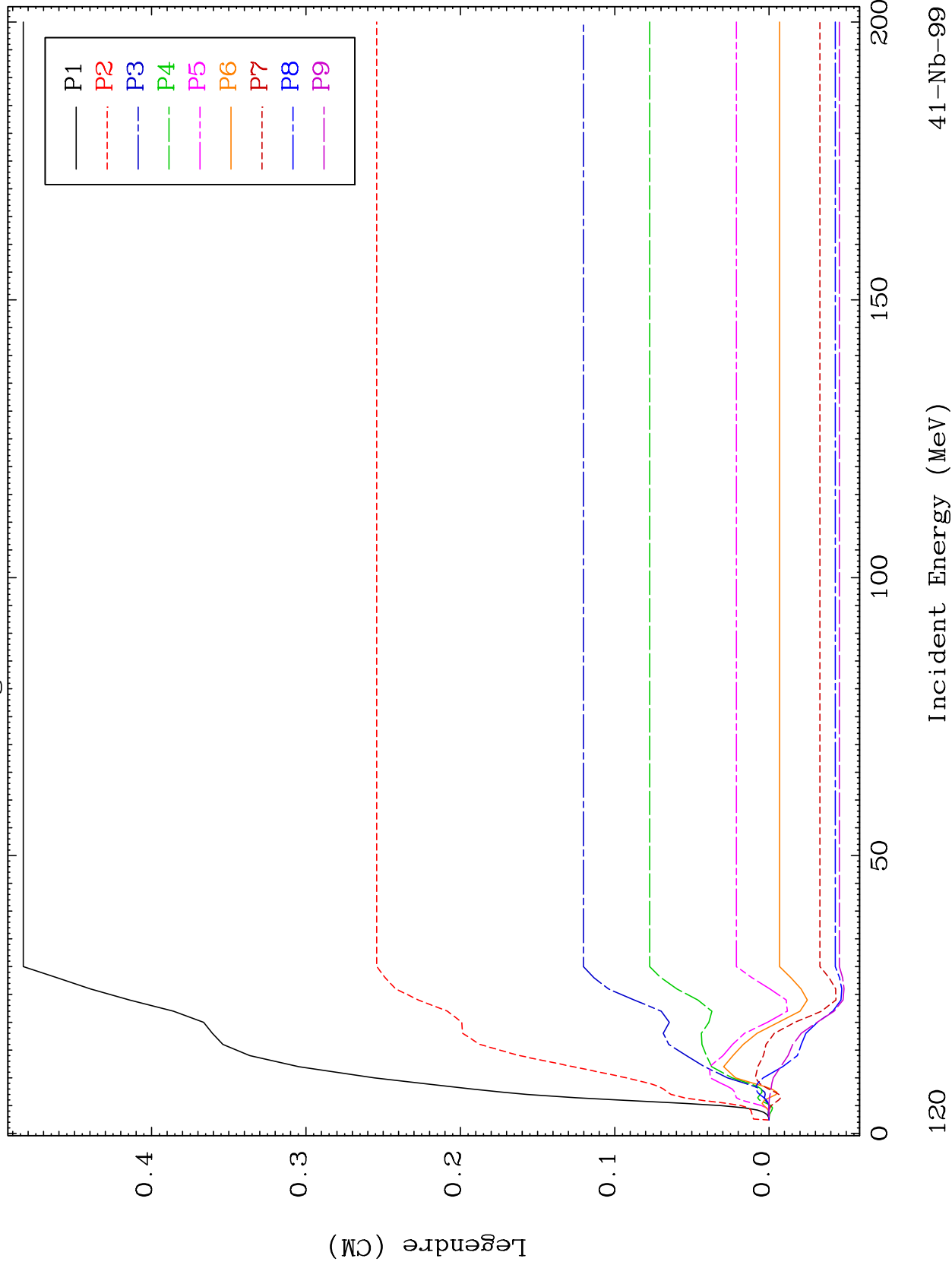
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

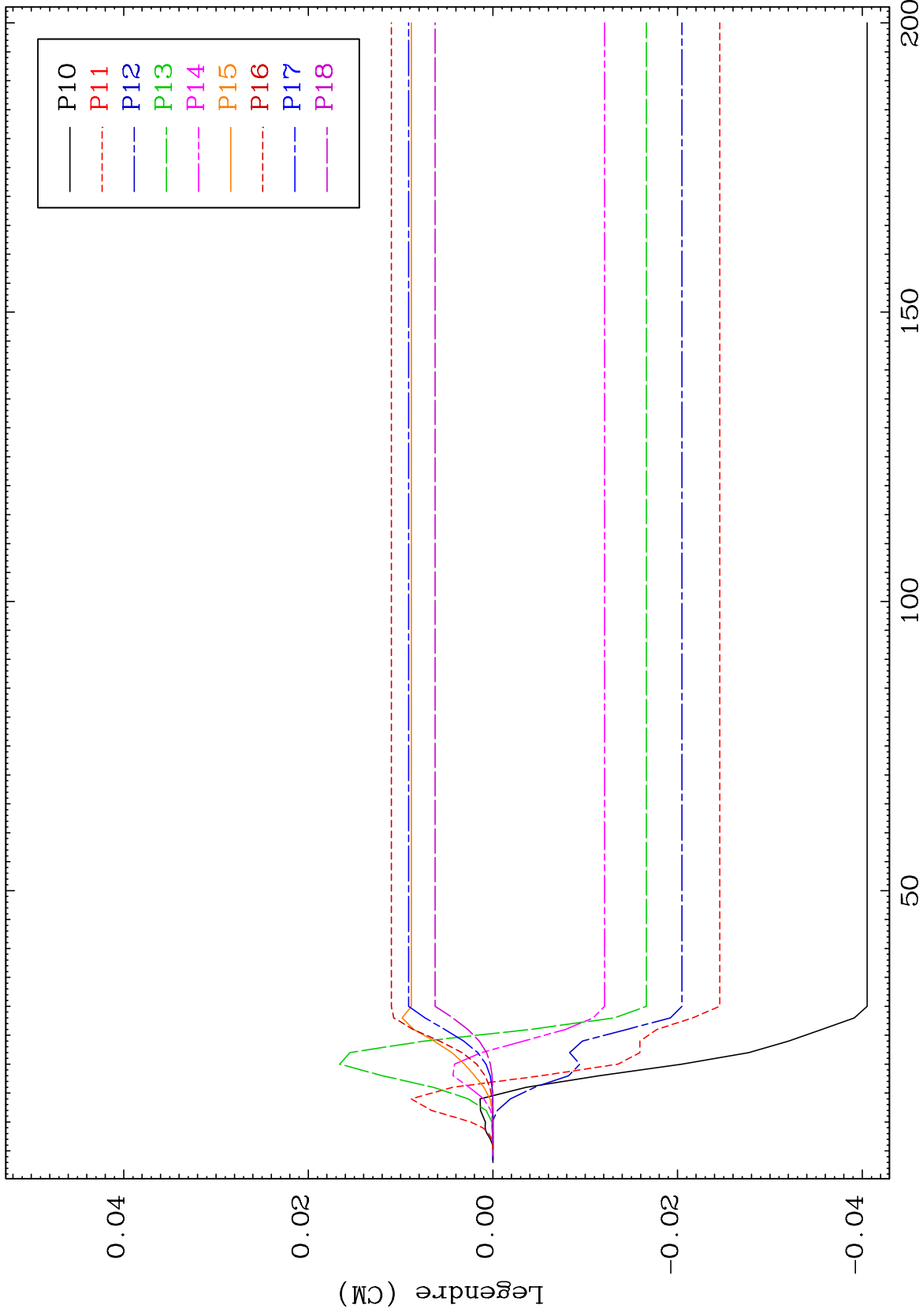
41-Nb-99



MAT 4143

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

41-Nb-99



121

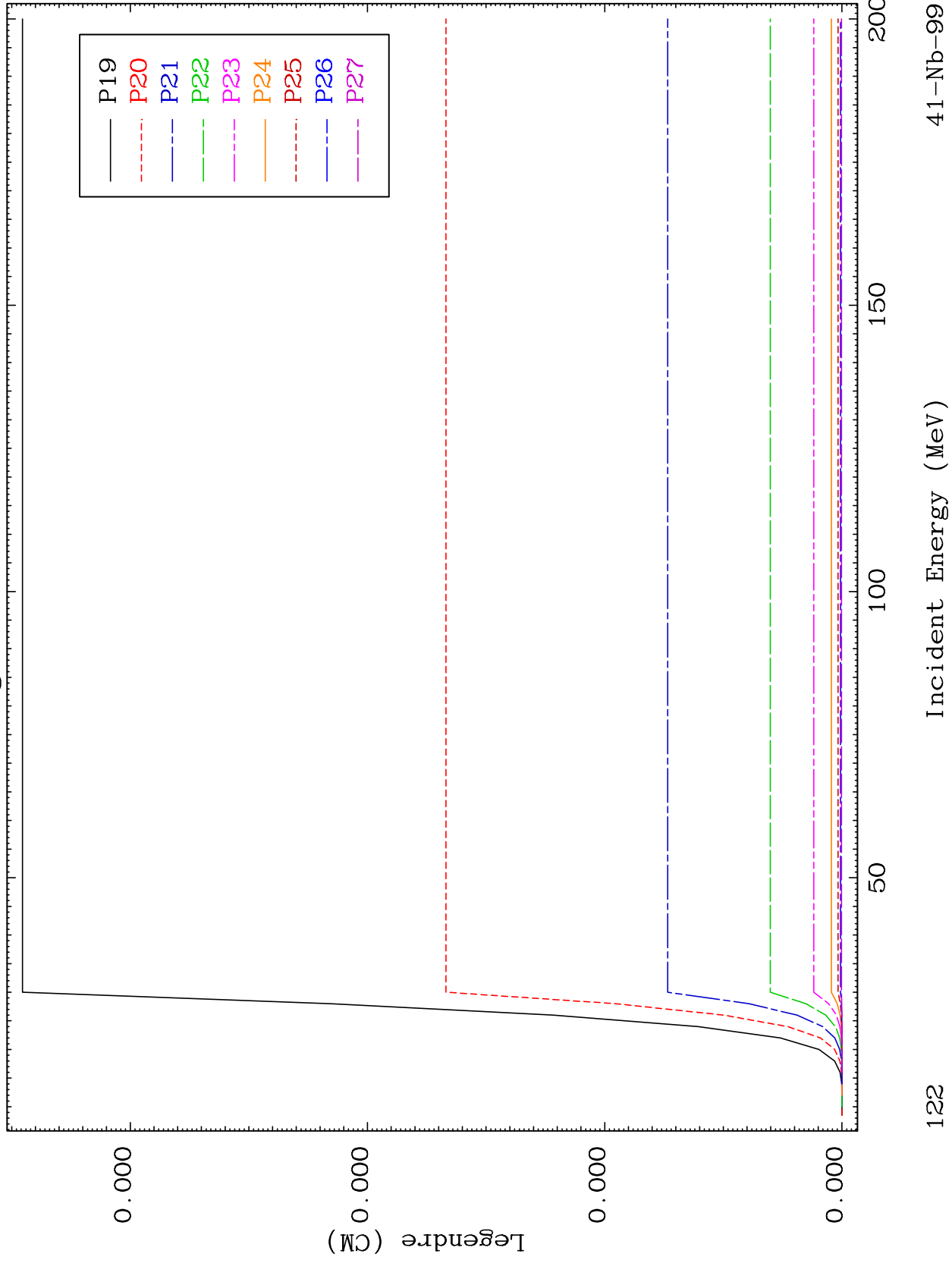
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

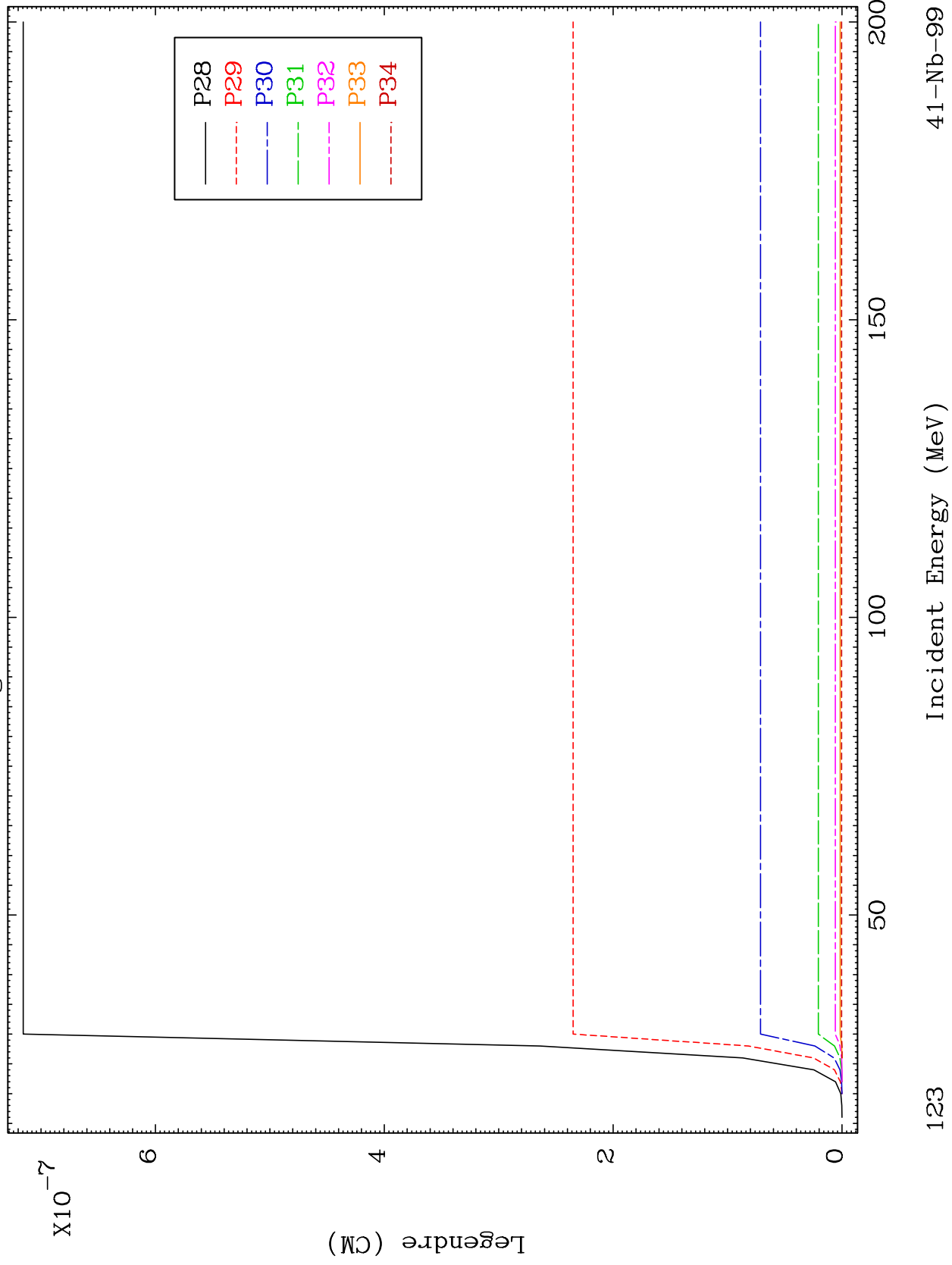
41-Nb-99



MAT 4143

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

41-Nb-99

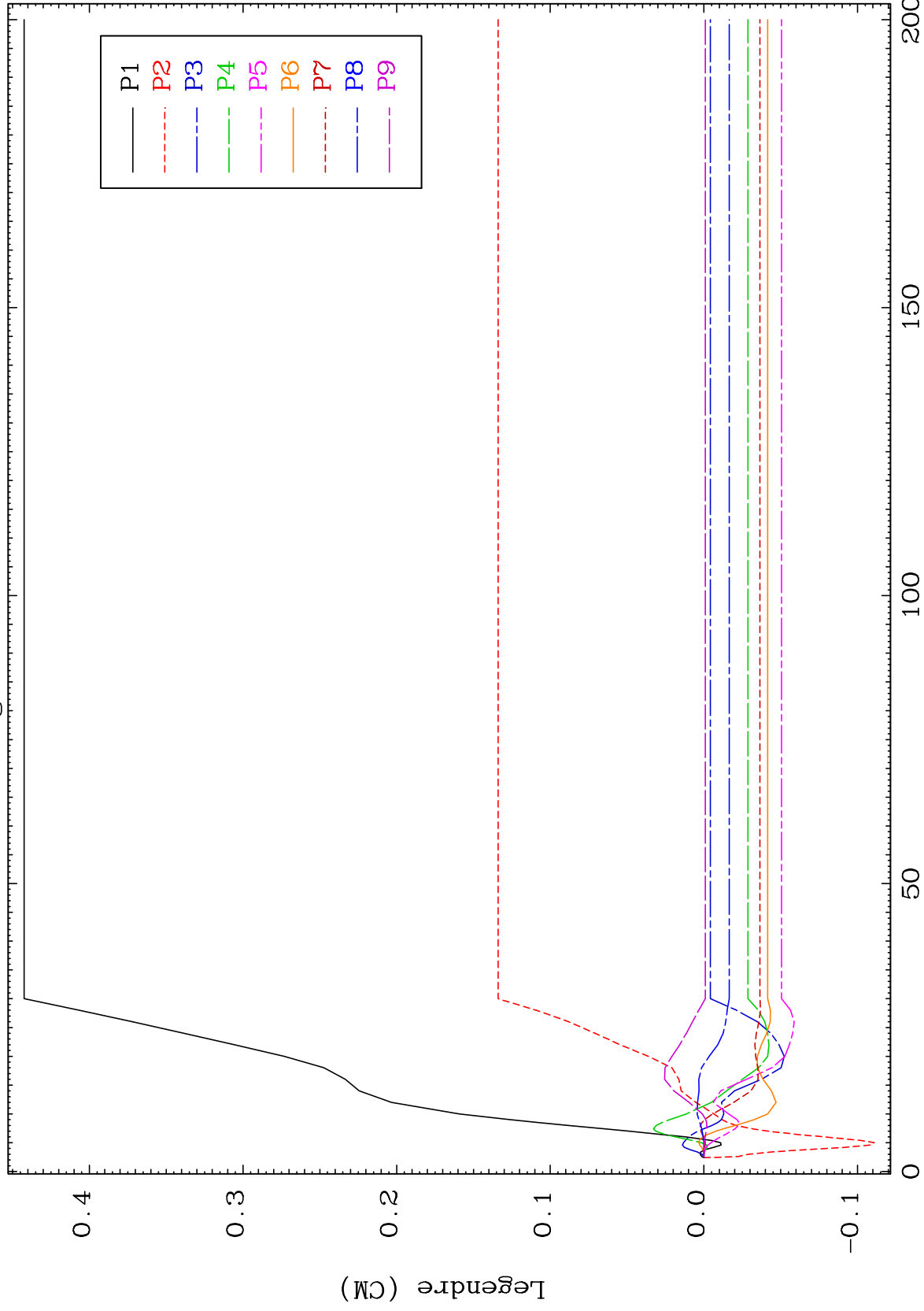


123

MAT 4143

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

41-Nb-99



124

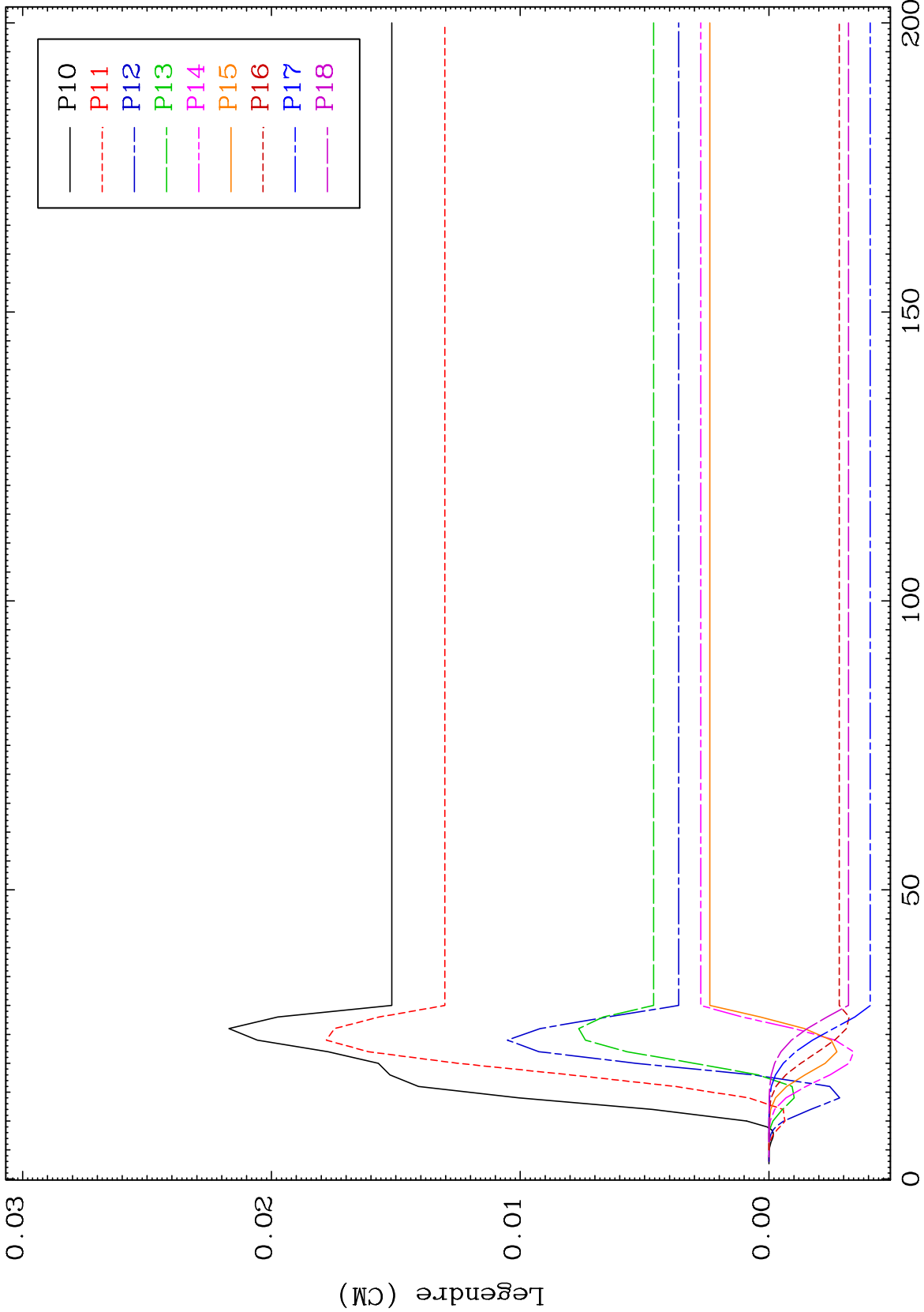
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



125

Incident Energy (MeV)

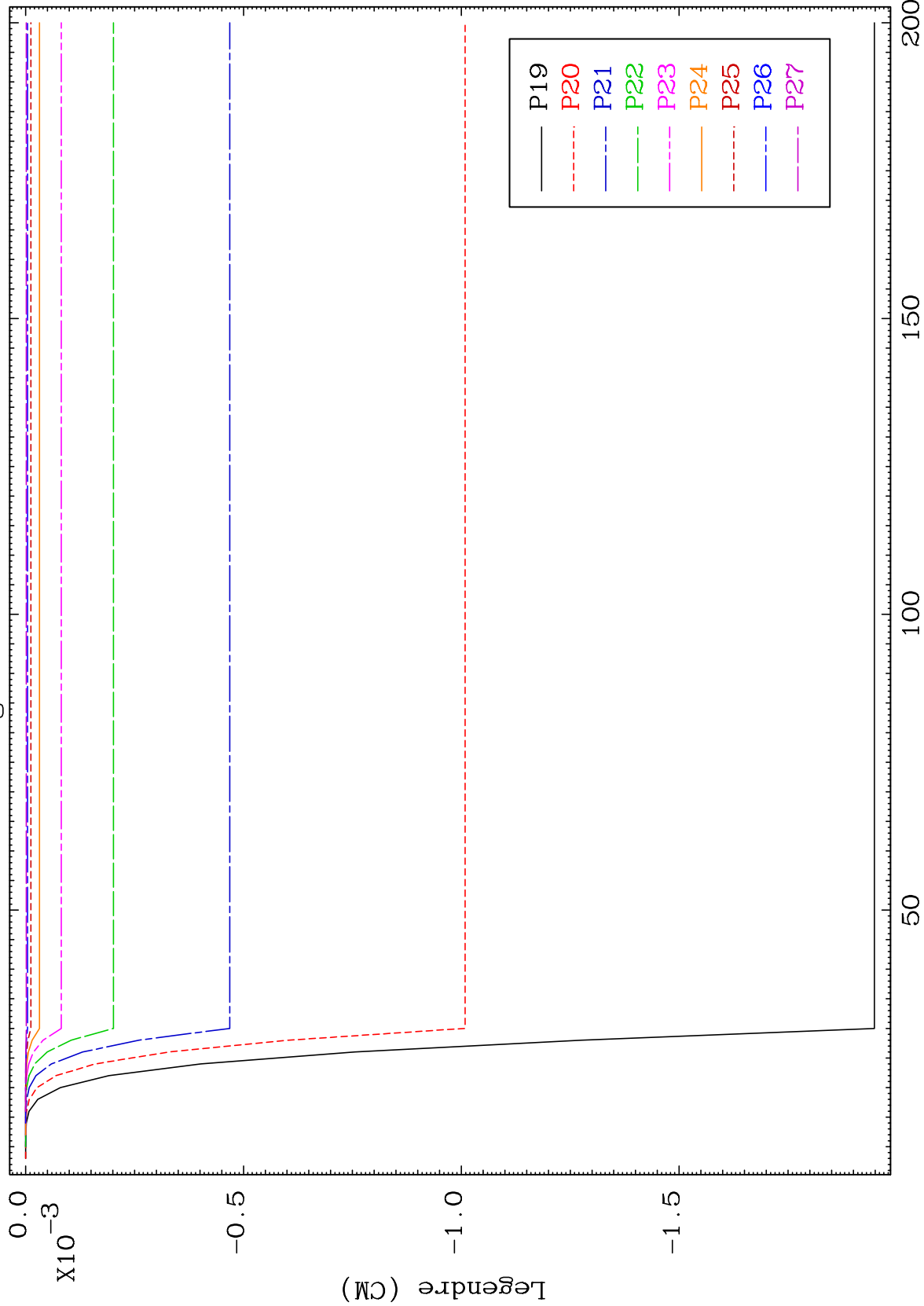
41-Nb-99

MAT 4143

MT= 77 (n,n') Level

41-Nb-99

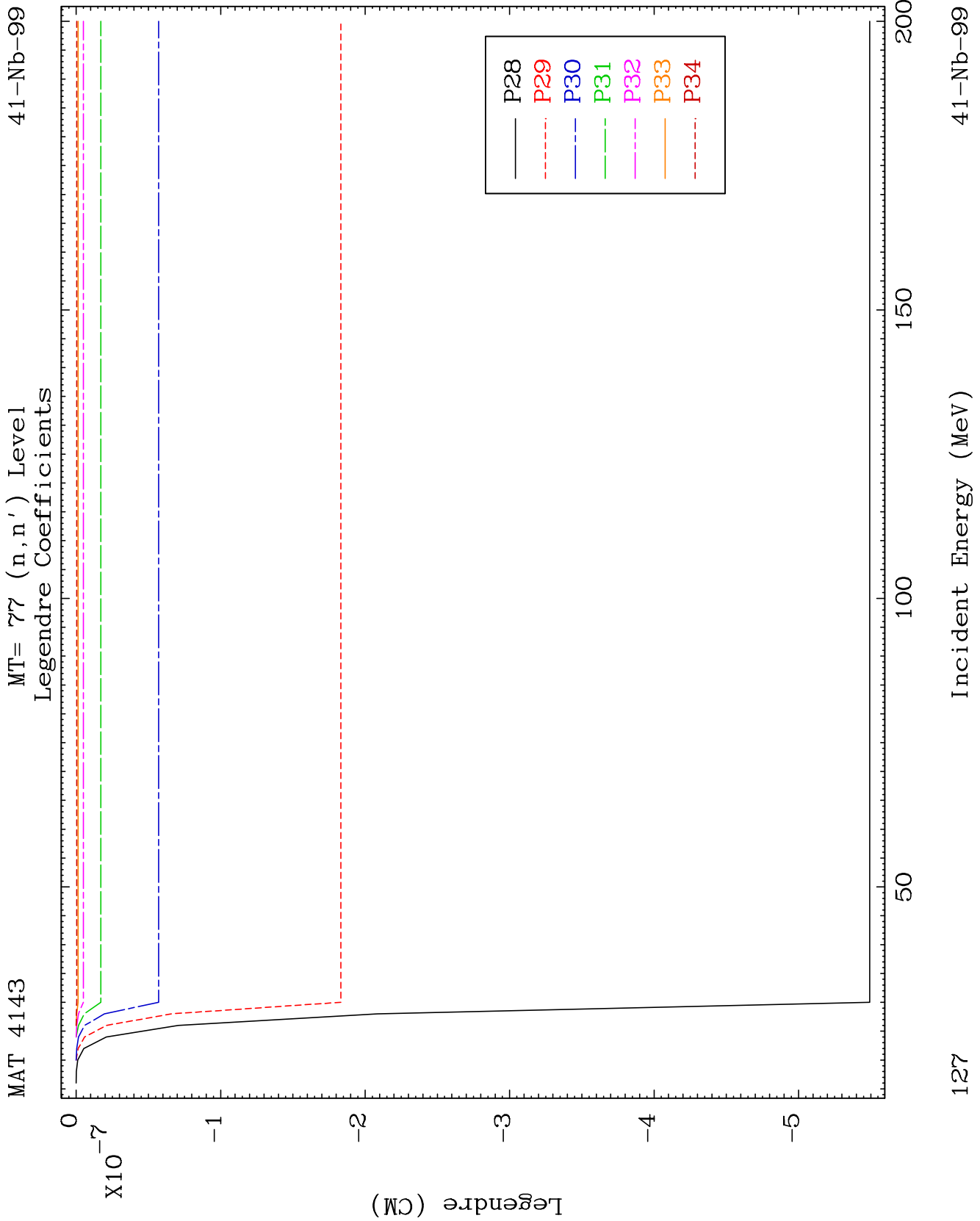
Legendre Coefficients



126

Incident Energy (MeV)

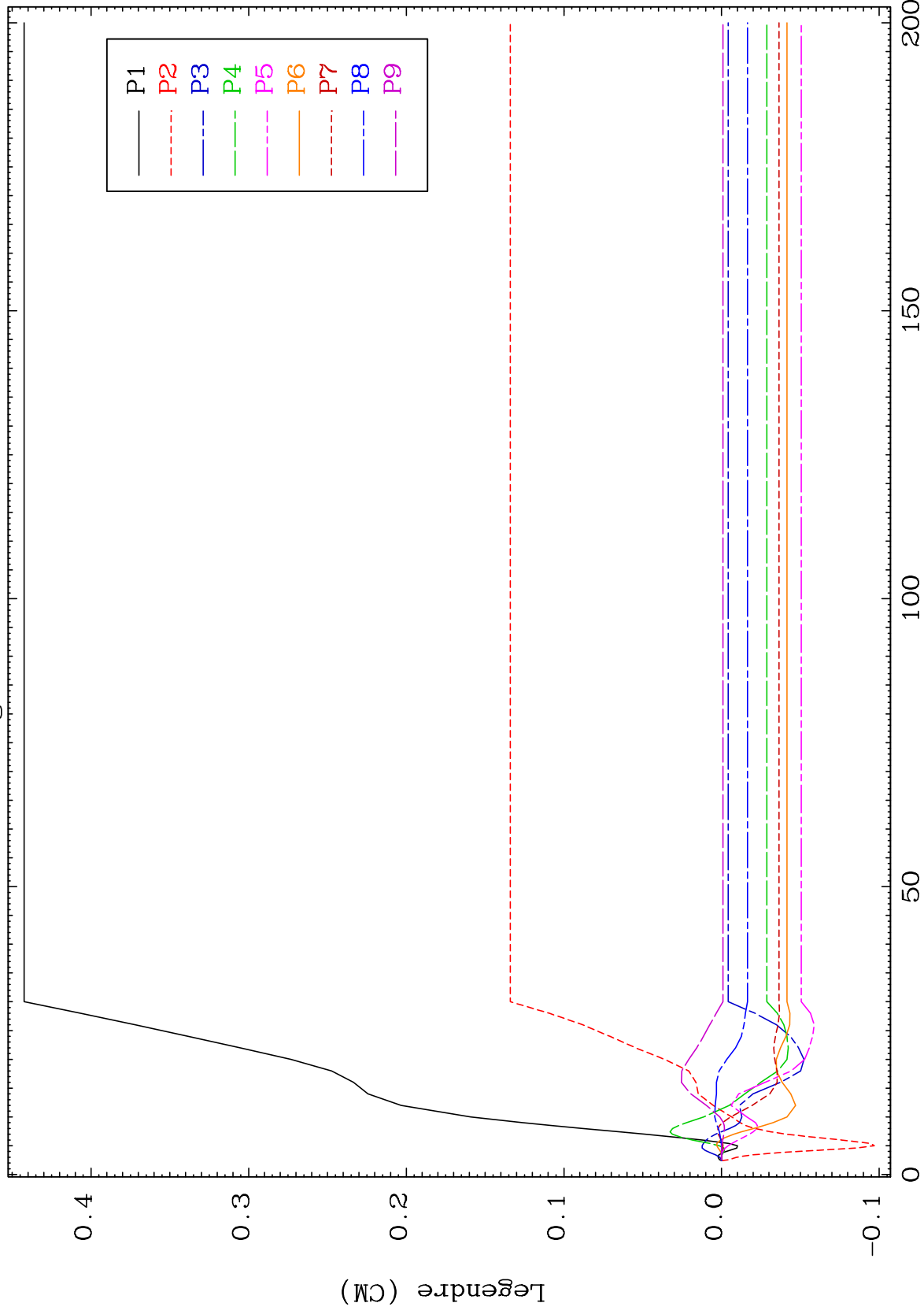
41-Nb-99



MAT 4143

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

41-Nb-99



128

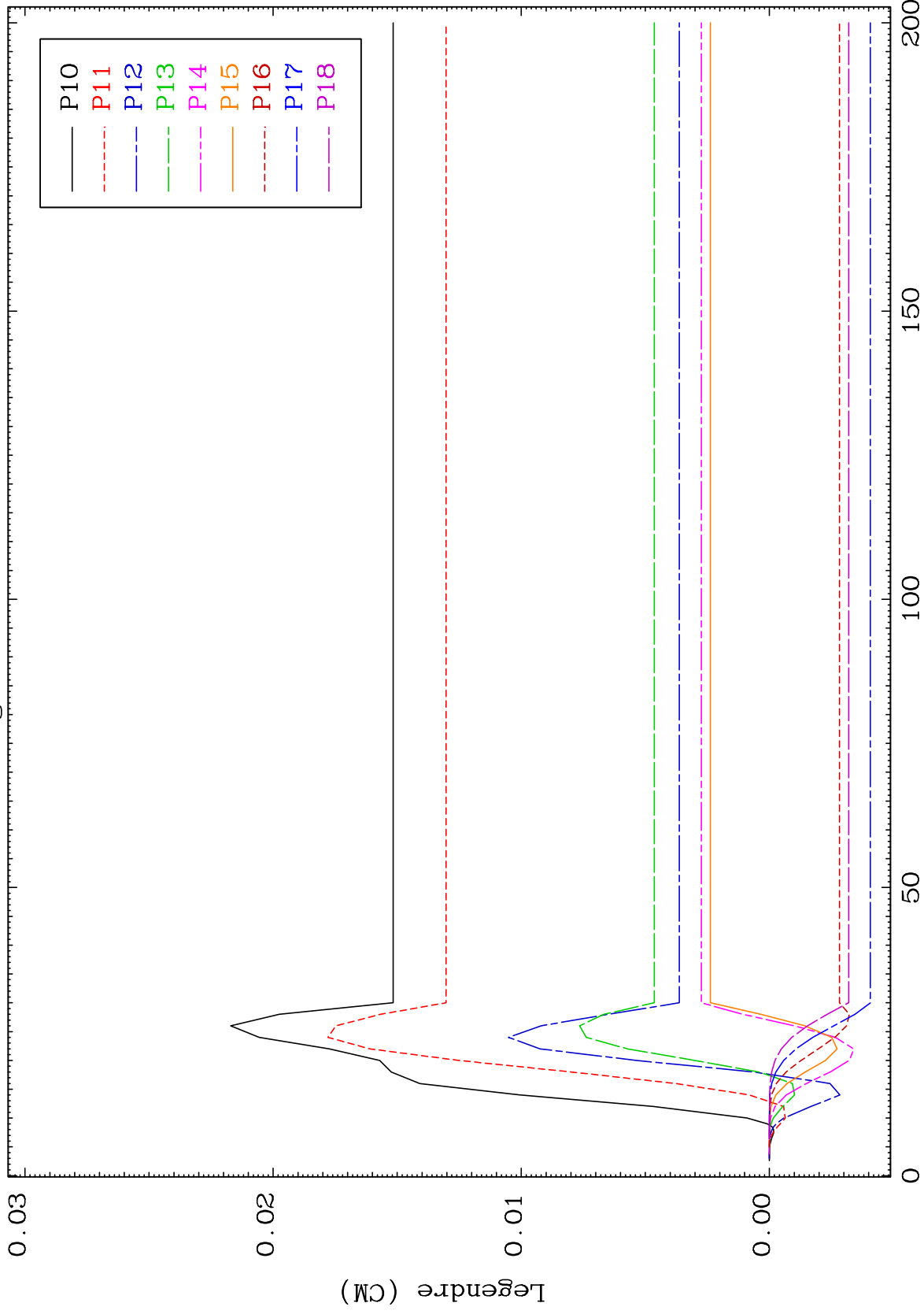
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



129

Incident Energy (MeV)

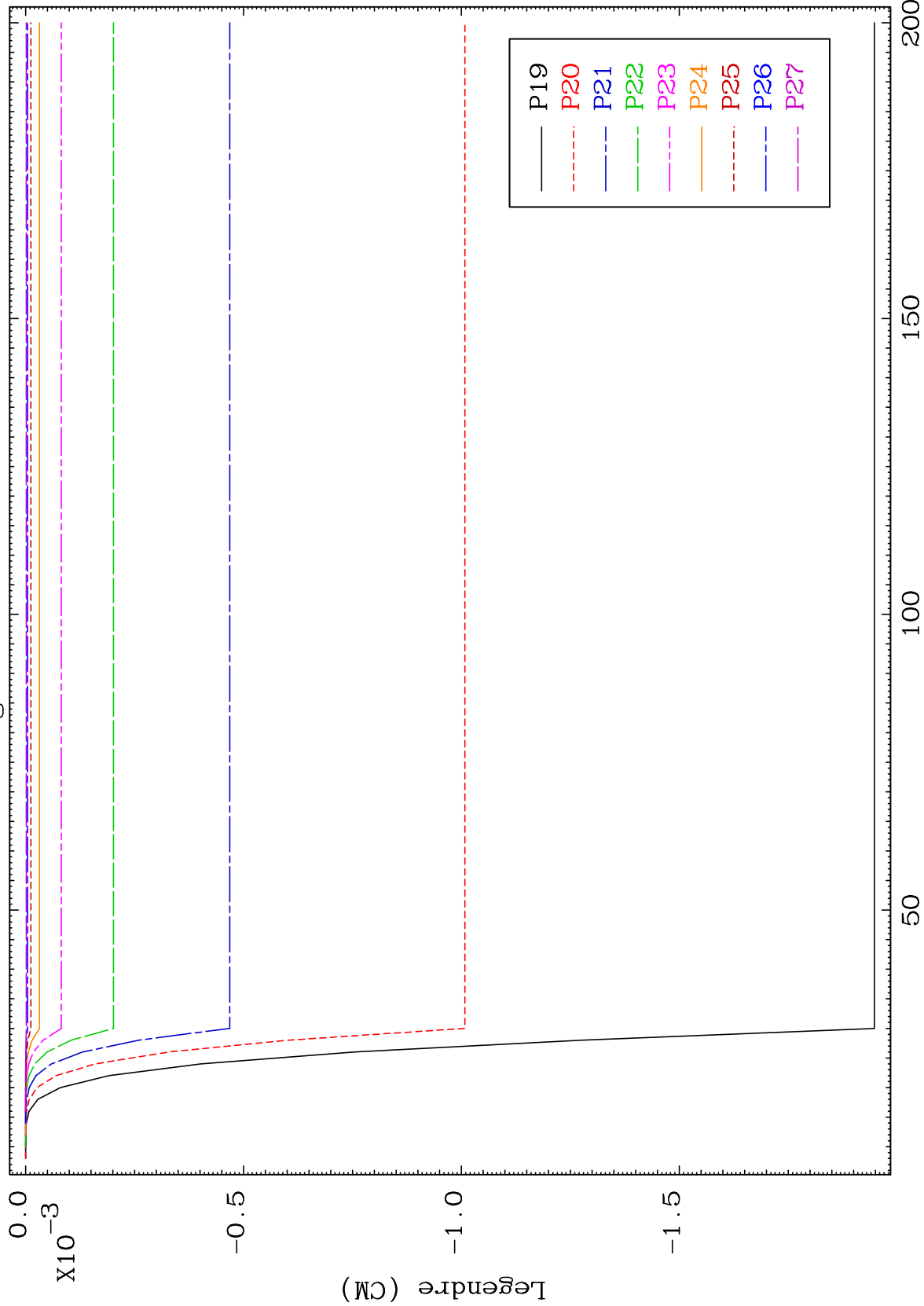
41-Nb-99

MAT 4143

MT= 78 (n,n') Level

41-Nb-99

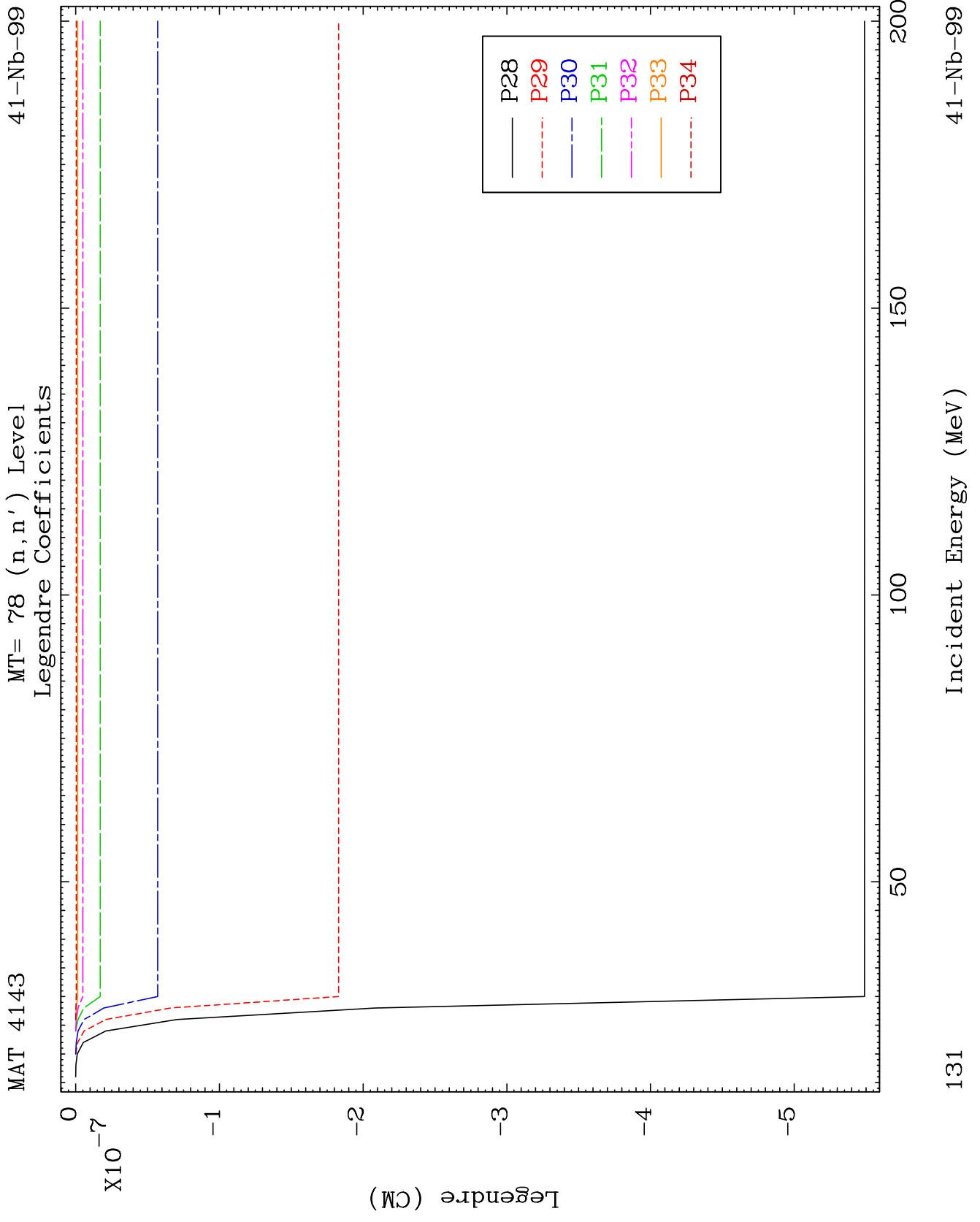
Legendre Coefficients



41-Nb-99

Incident Energy (MeV)

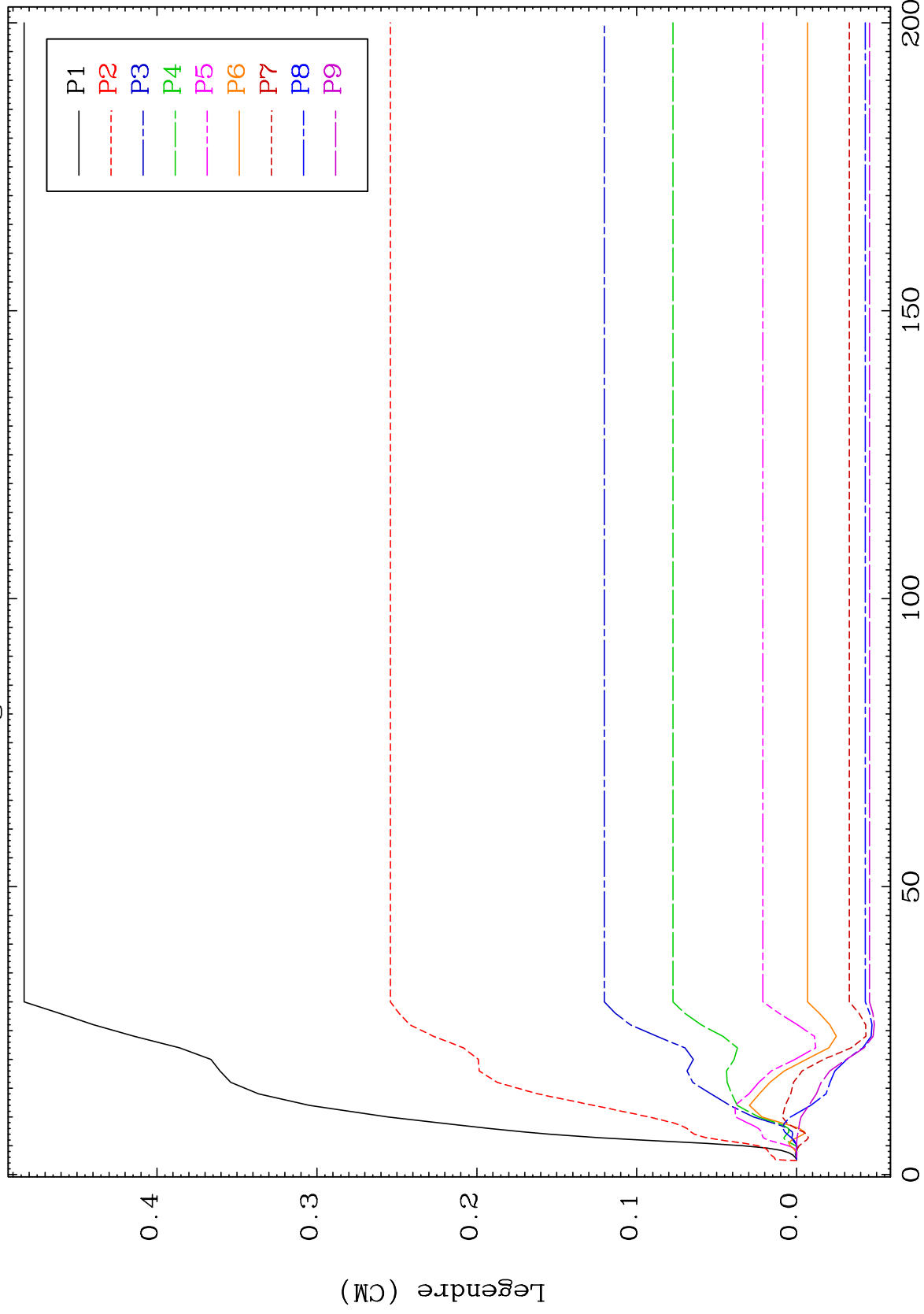
130



MAT 4143

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

41-Nb-99



132

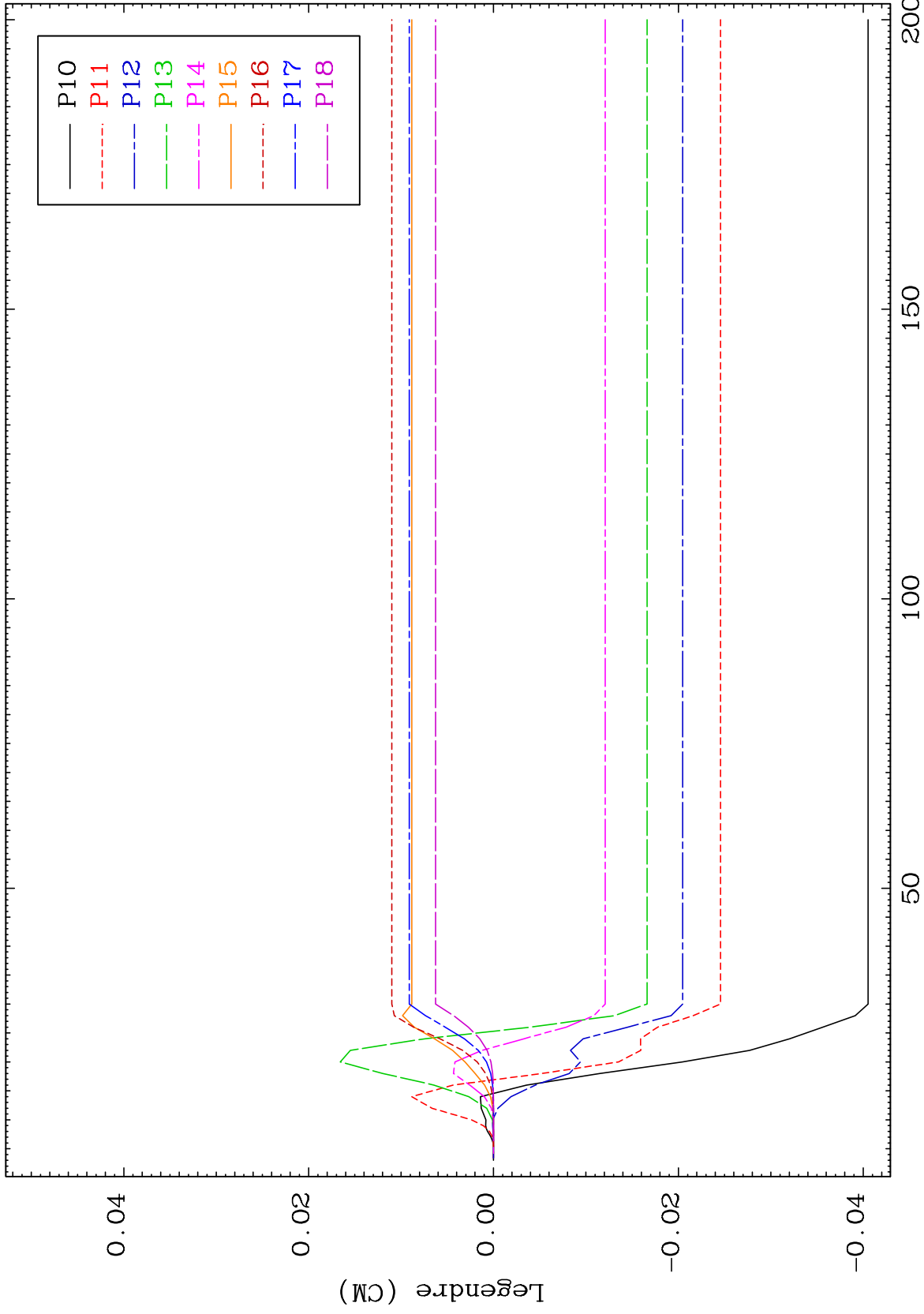
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



133

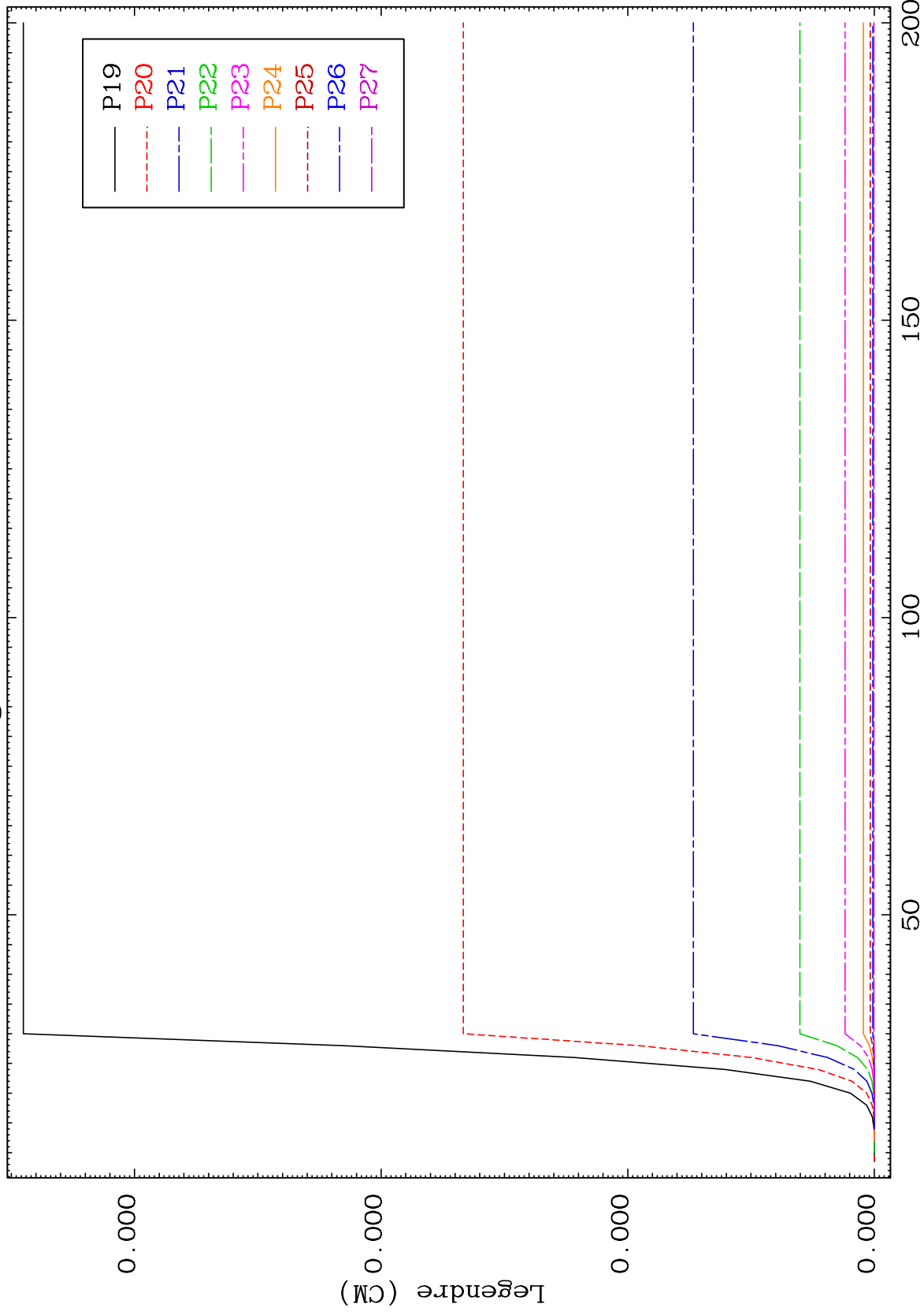
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



134

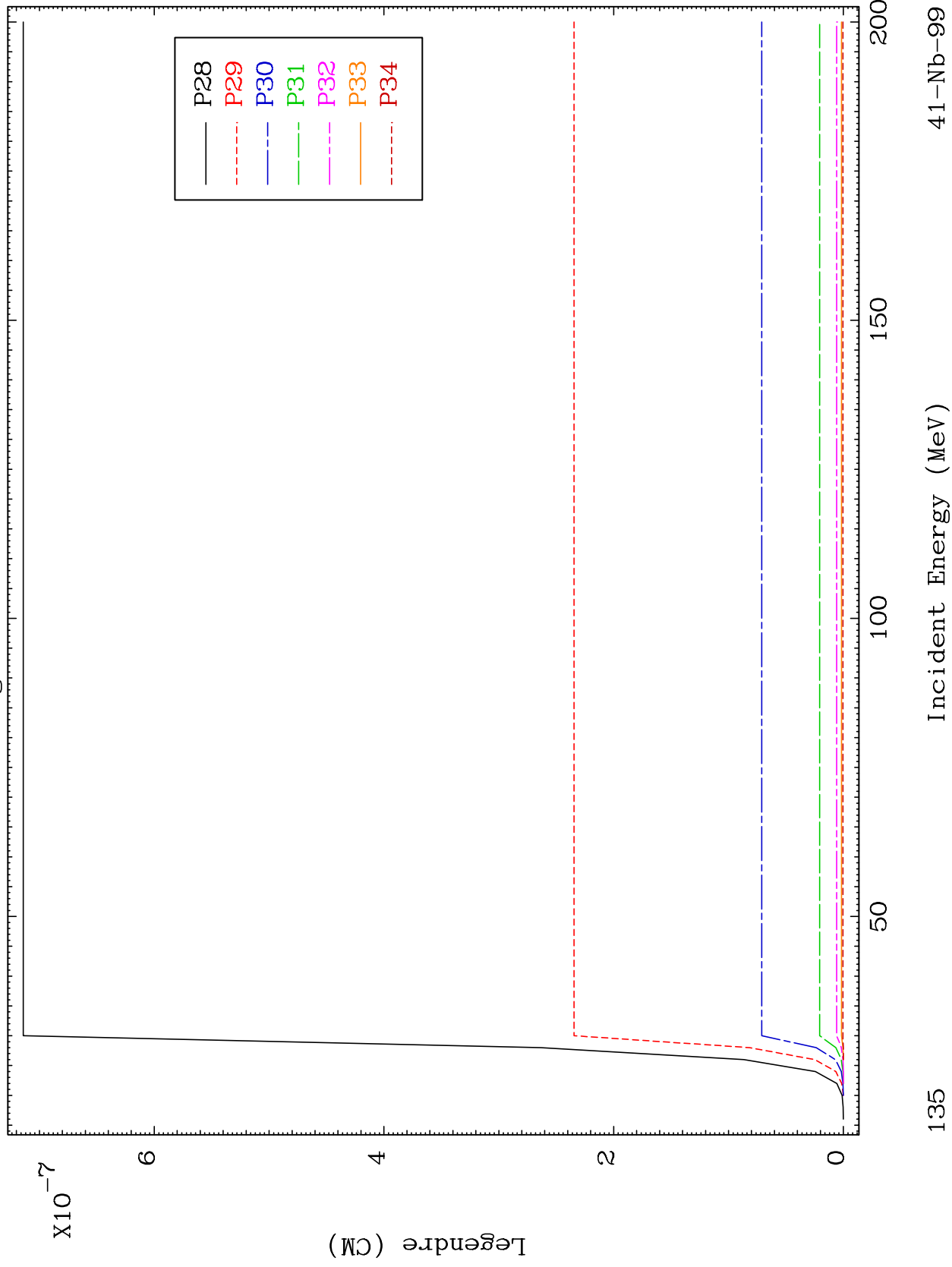
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



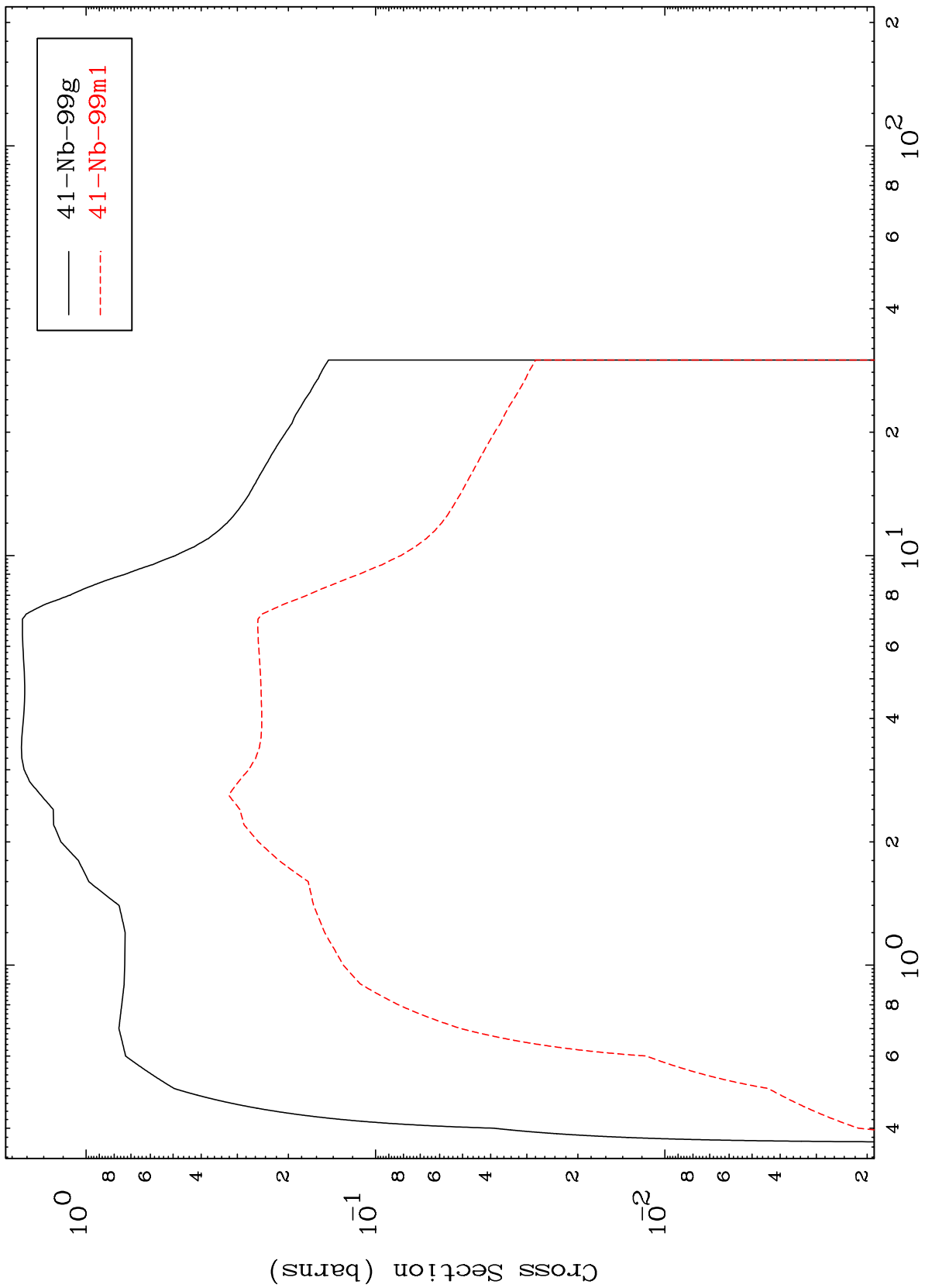
135

41-Nb-99

MAT 4143

41-Nb-99

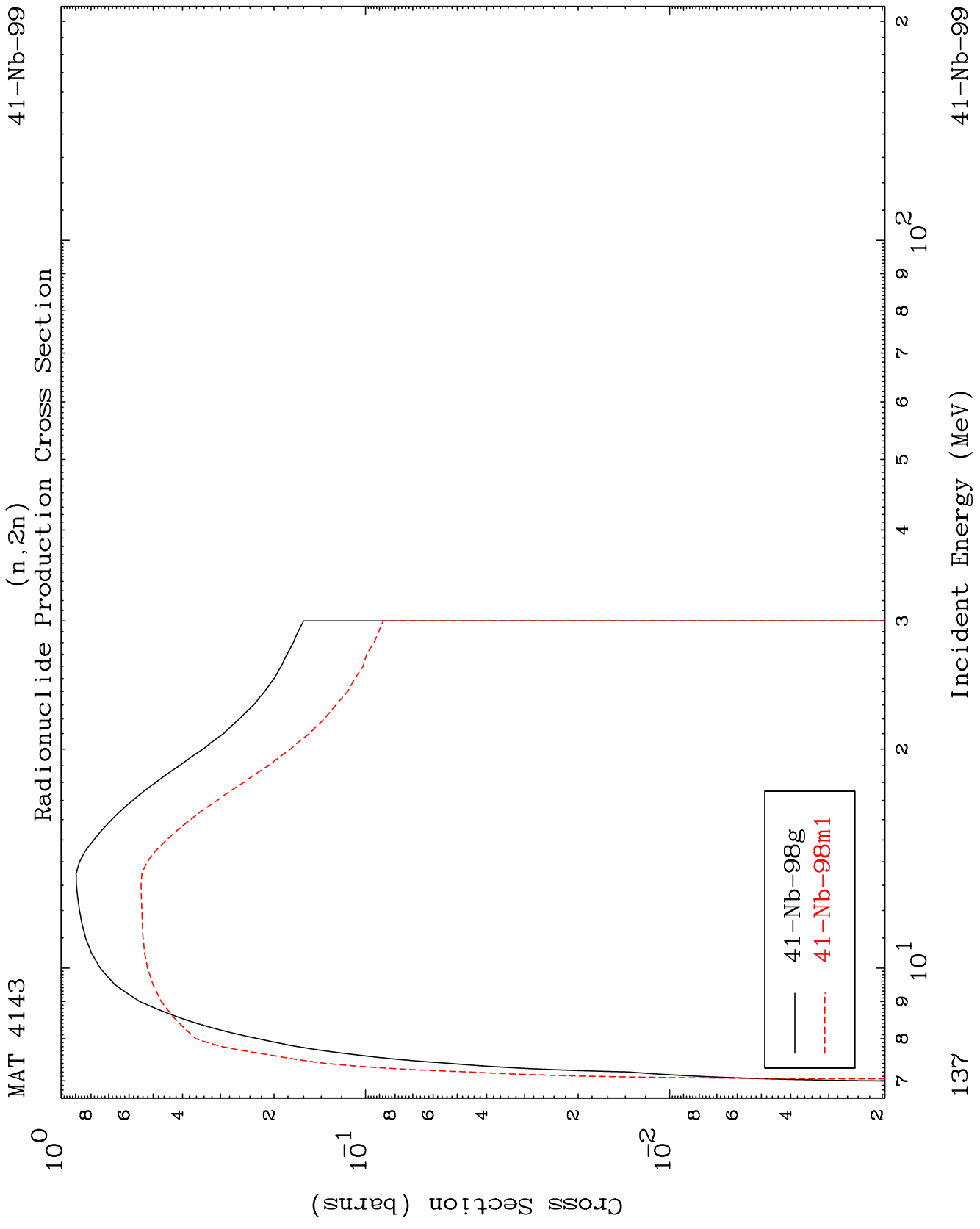
Inelastic
Radionuclide Production Cross Section

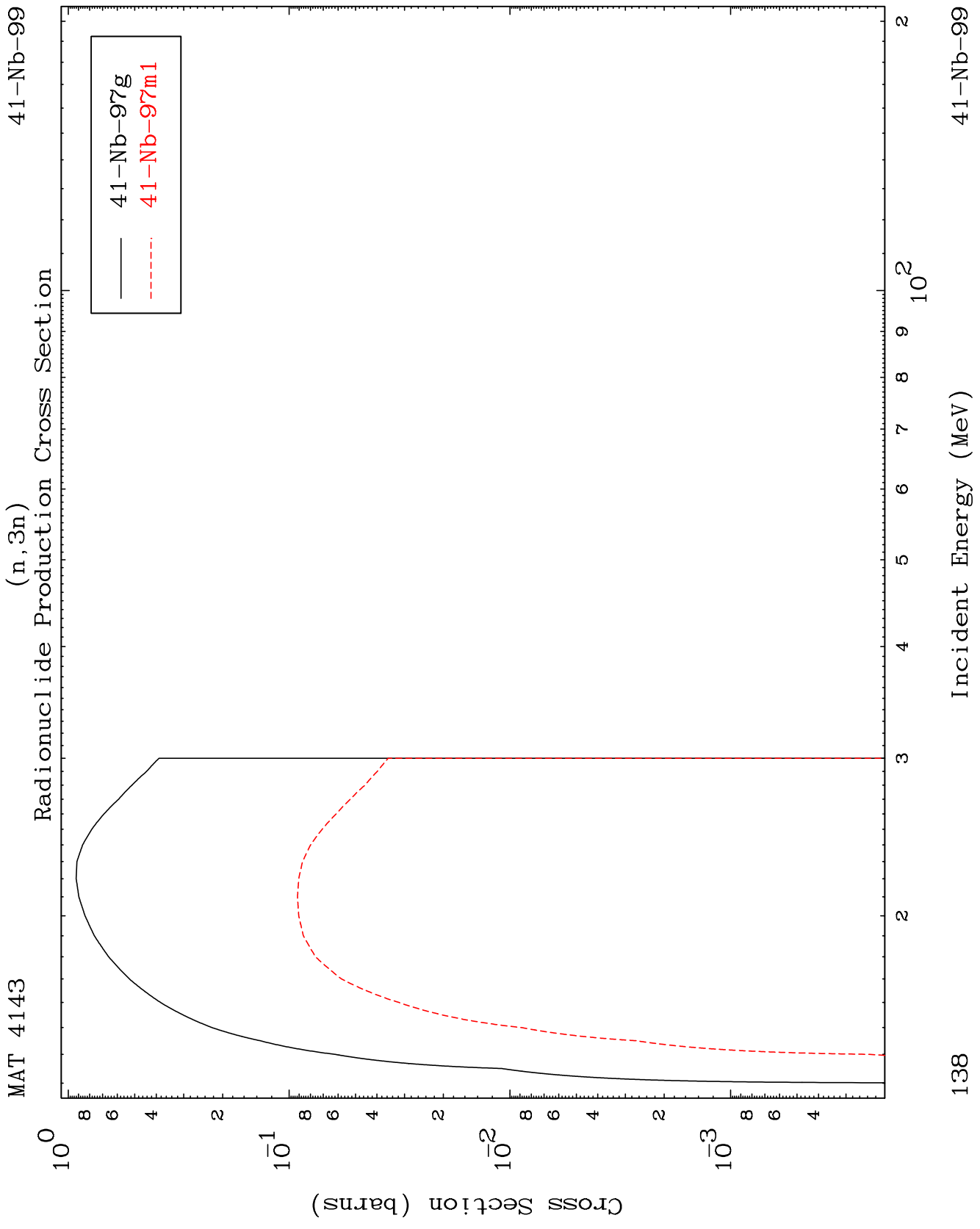


136

Incident Energy (MeV)

41-Nb-99



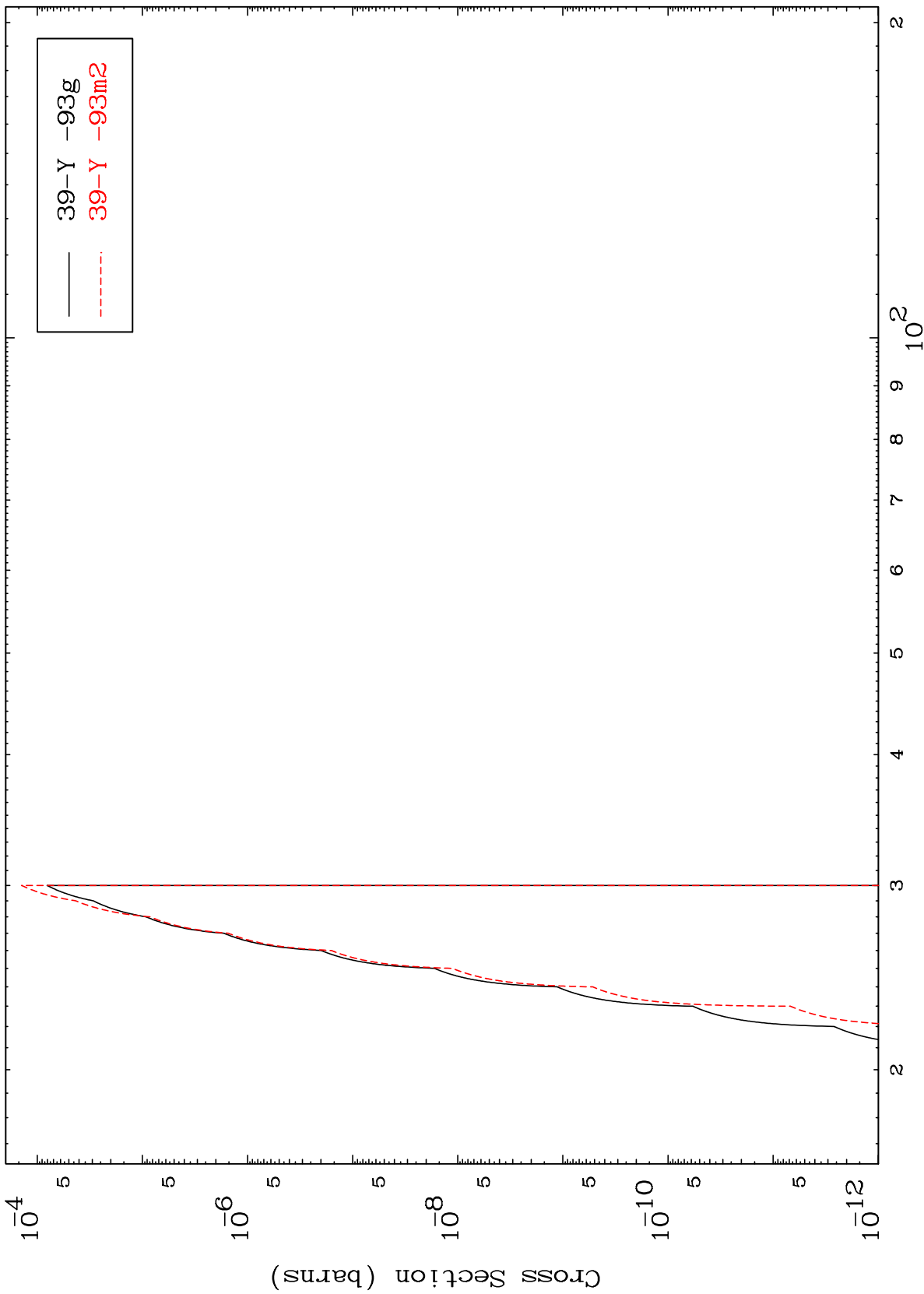


MAT 4143

(n,3n) α

41-Nb-99

Radionuclide Production Cross Section



139

Incident Energy (MeV)

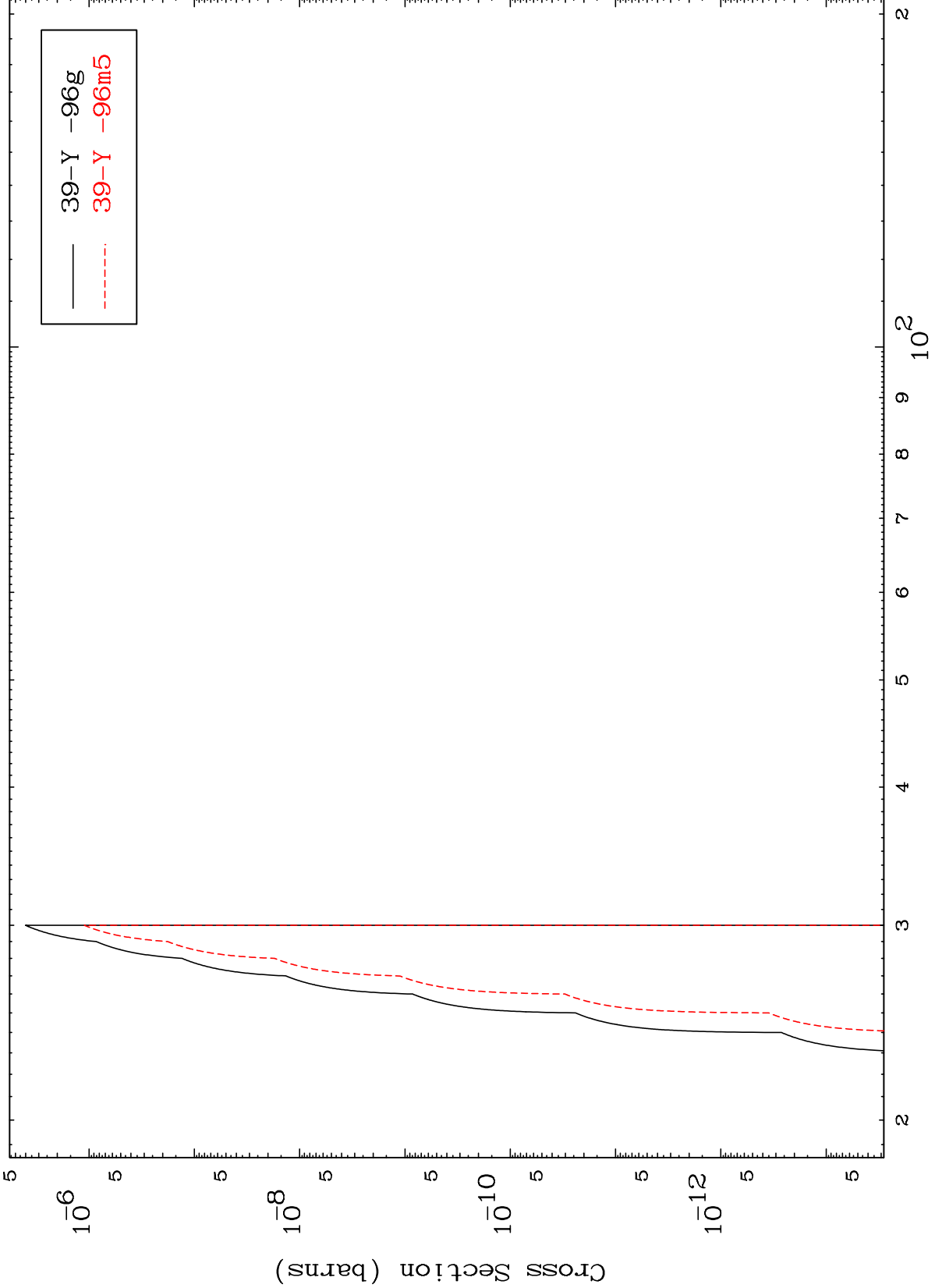
41-Nb-99

MAT 4143

(n,n') He-3

41-Nb-99

Radionuclide Production Cross Section



140

Incident Energy (MeV)

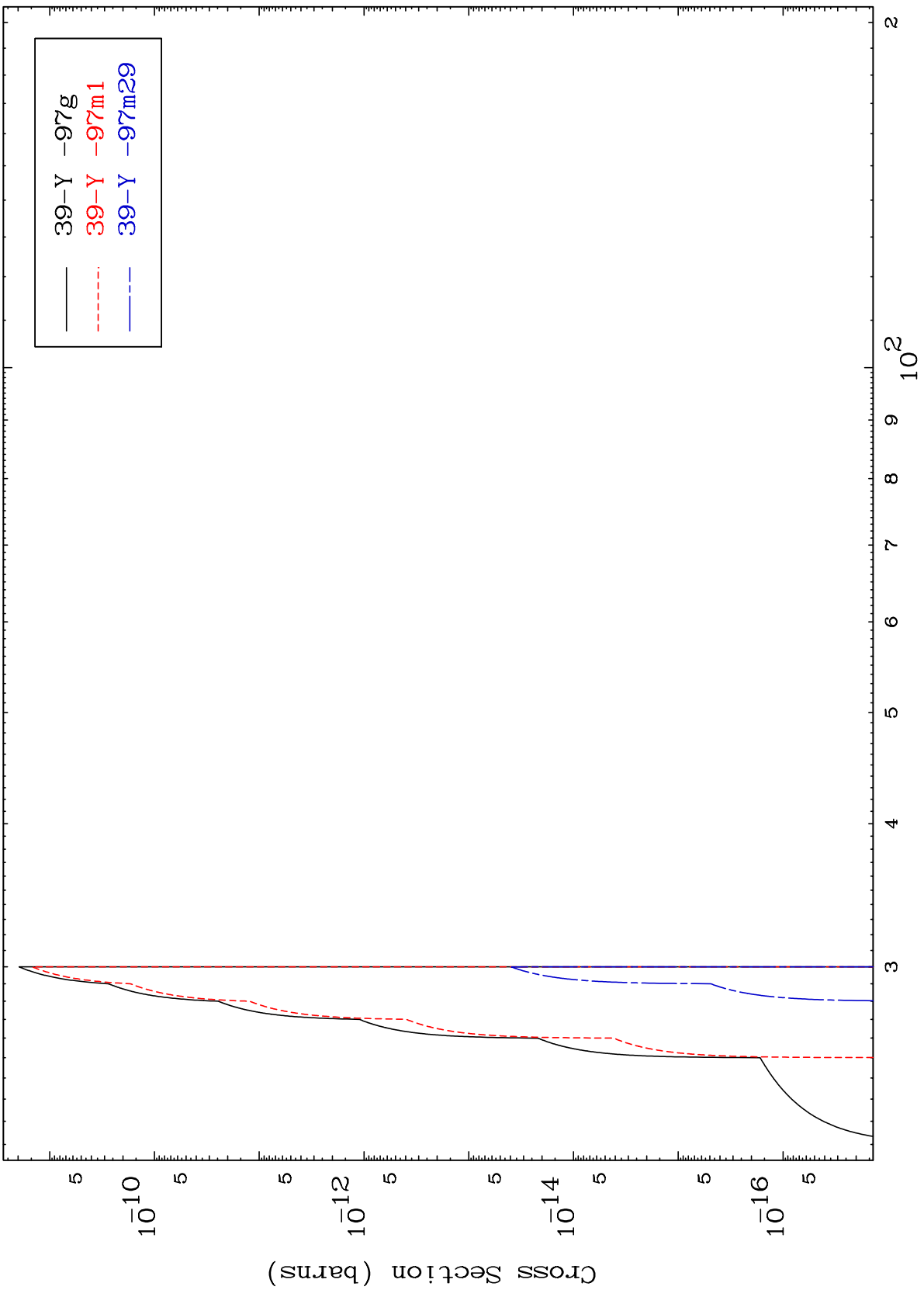
41-Nb-99

MAT 4143

(n,2n) p

41-Nb-99

Radionuclide Production Cross Section



141

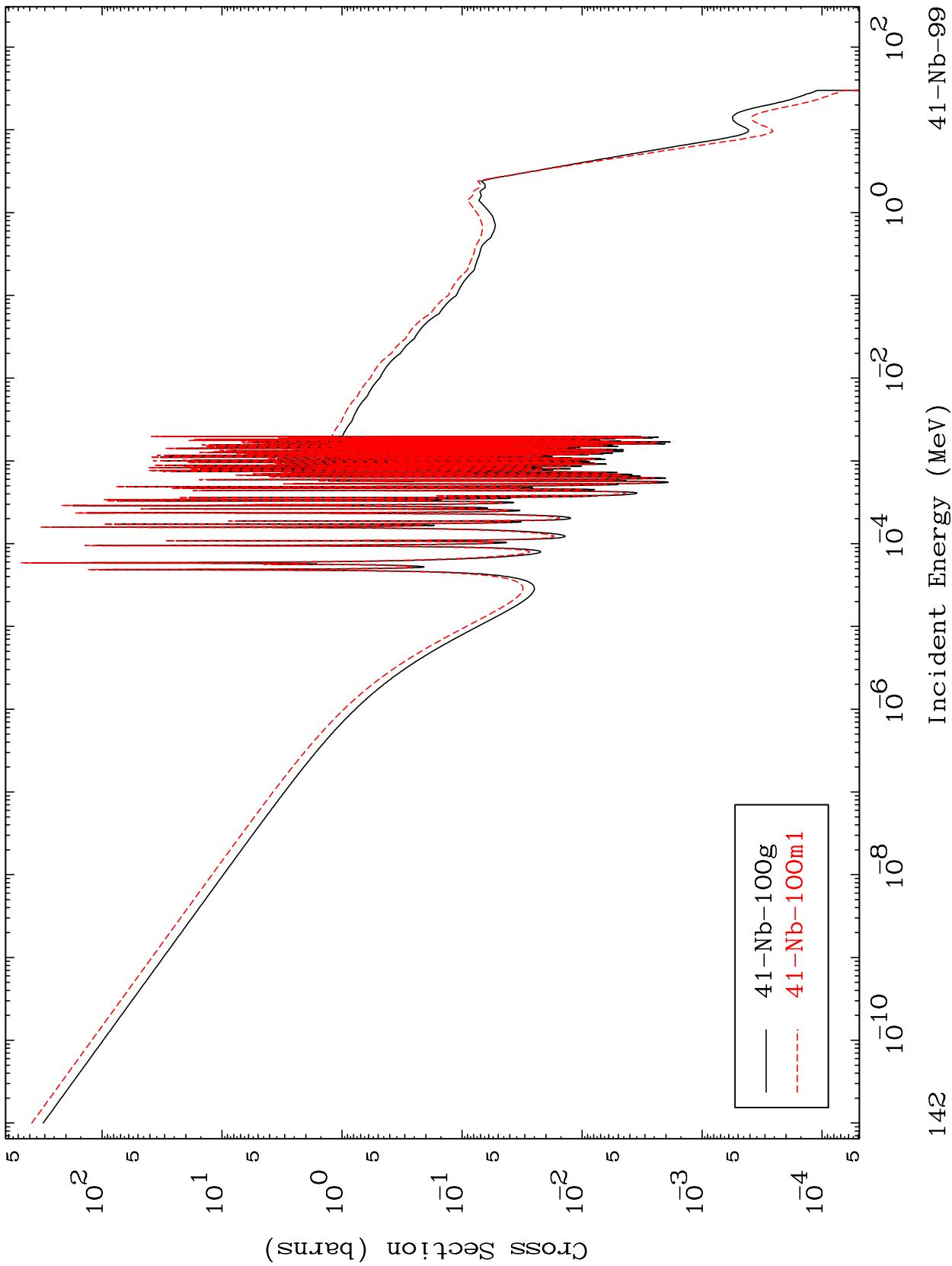
Incident Energy (MeV)

41-Nb-99

MAT 4143

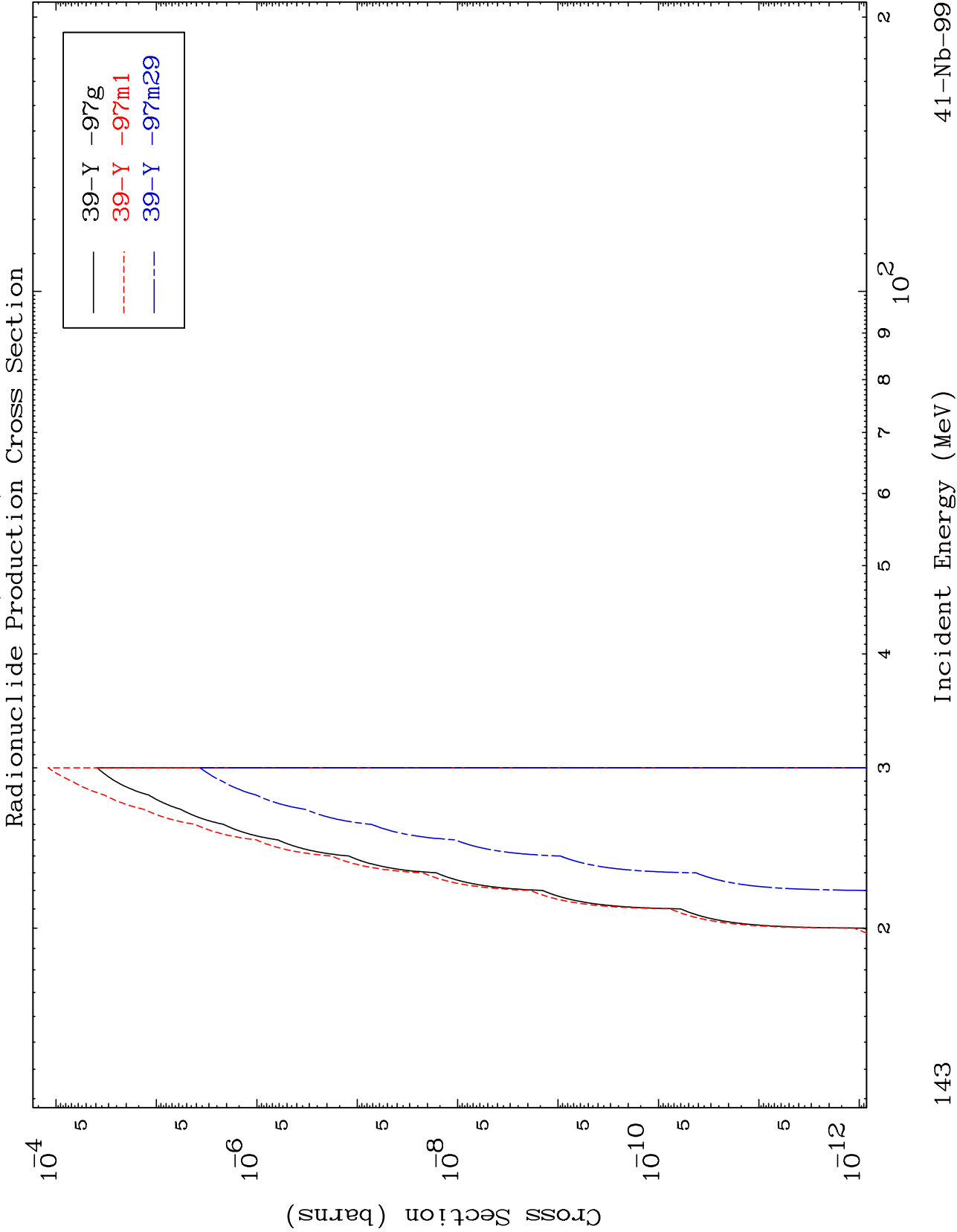
41-Nb-99

(n, γ)
Radionuclide Production Cross Section



142

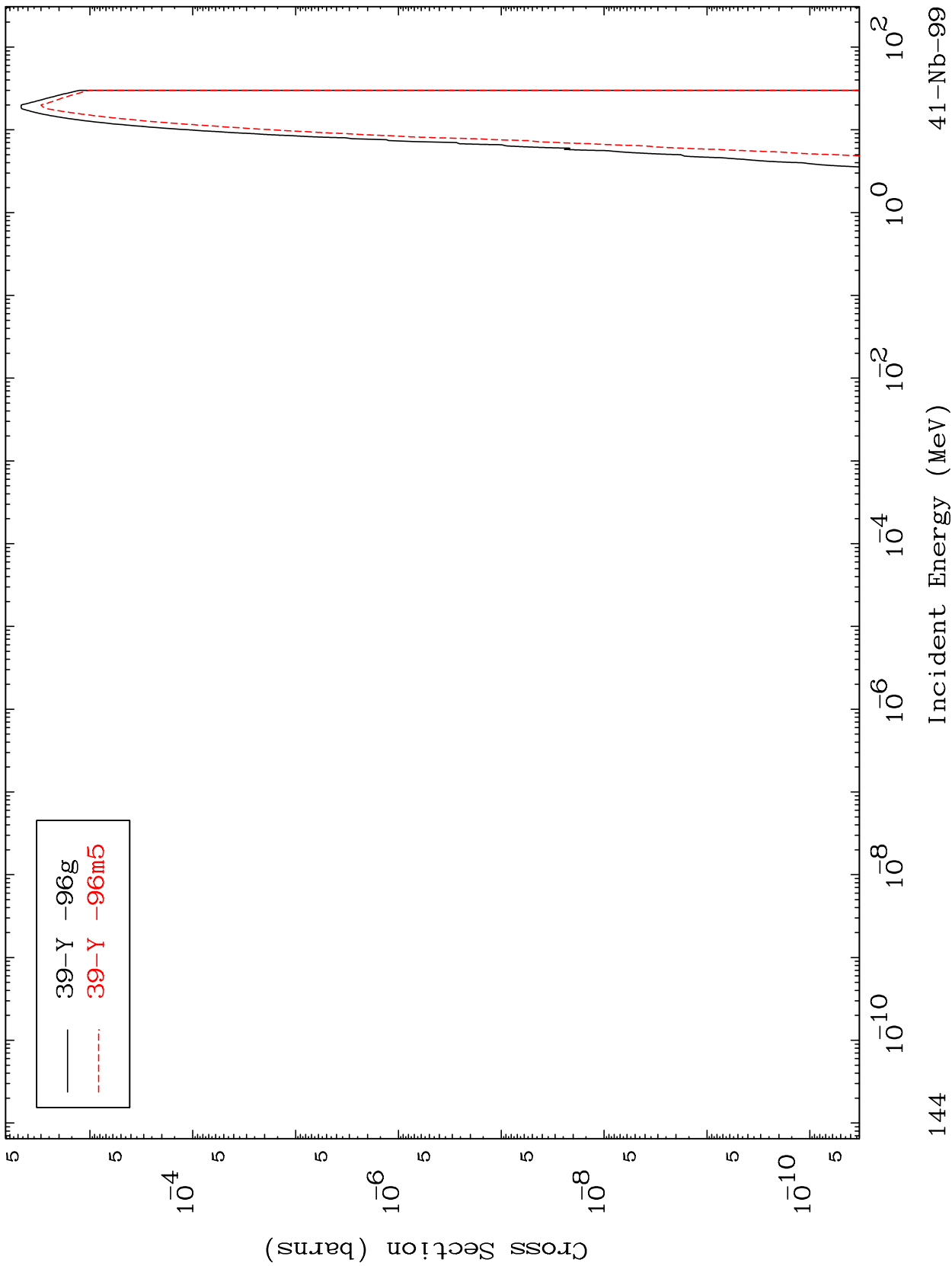
41-Nb-99



MAT 4143

41-Nb-99

(n, α)
Radionuclide Production Cross Section

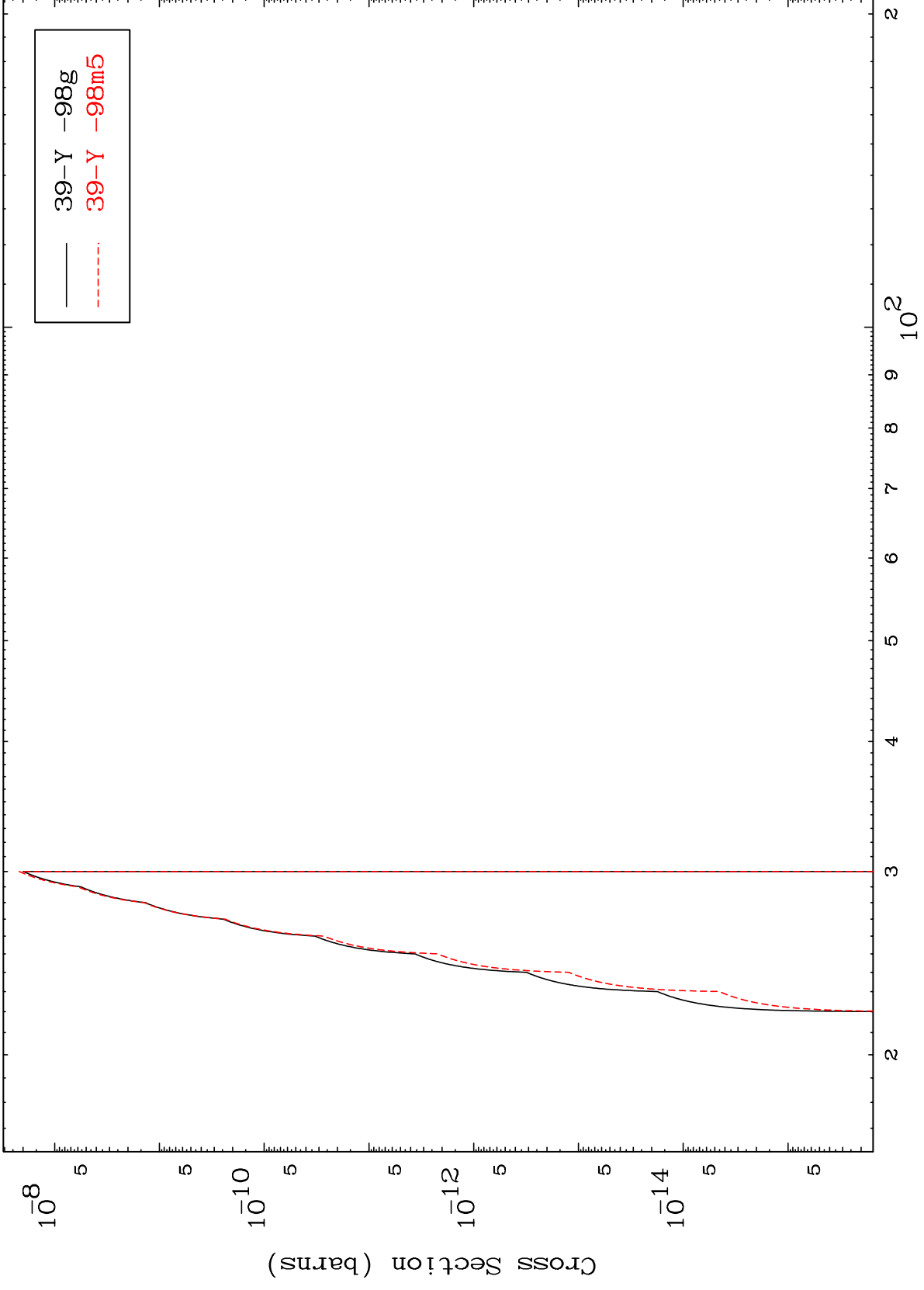


144

MAT 4143

41-Nb-99

(n,2p)
Radionuclide Production Cross Section



145

Incident Energy (MeV)

41-Nb-99