

Program EVALPLOT
(Version 2021-1)

by

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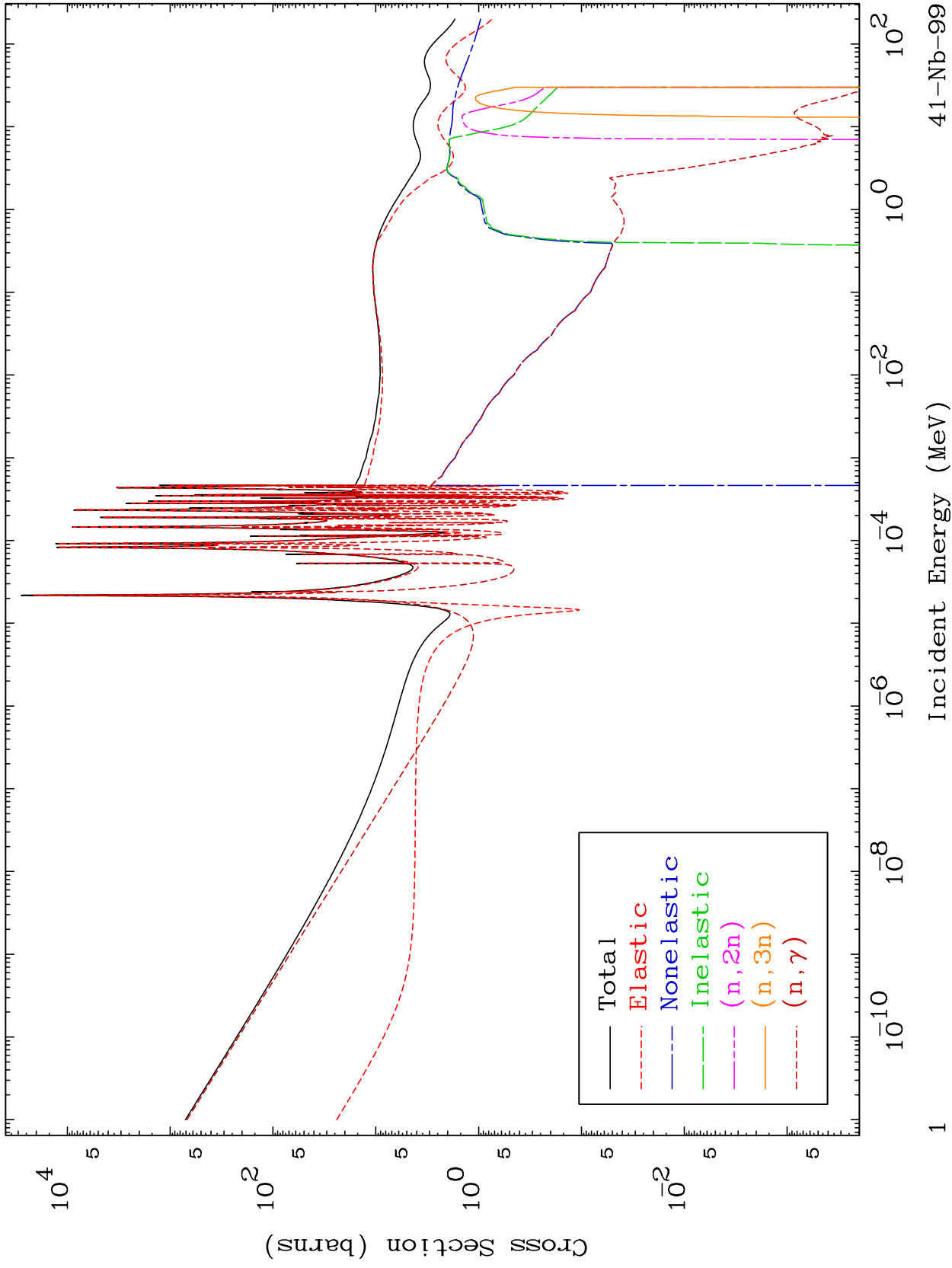
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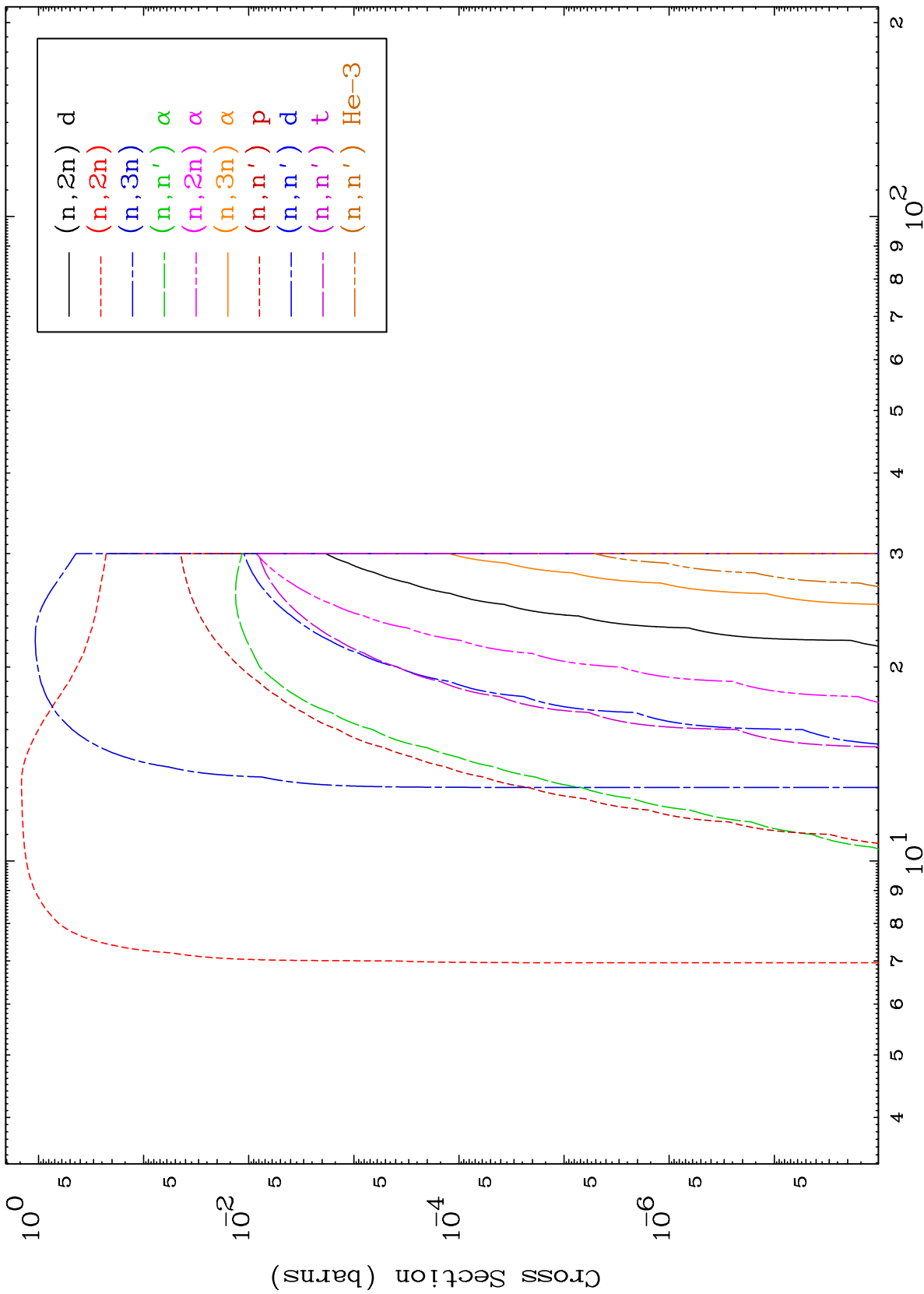
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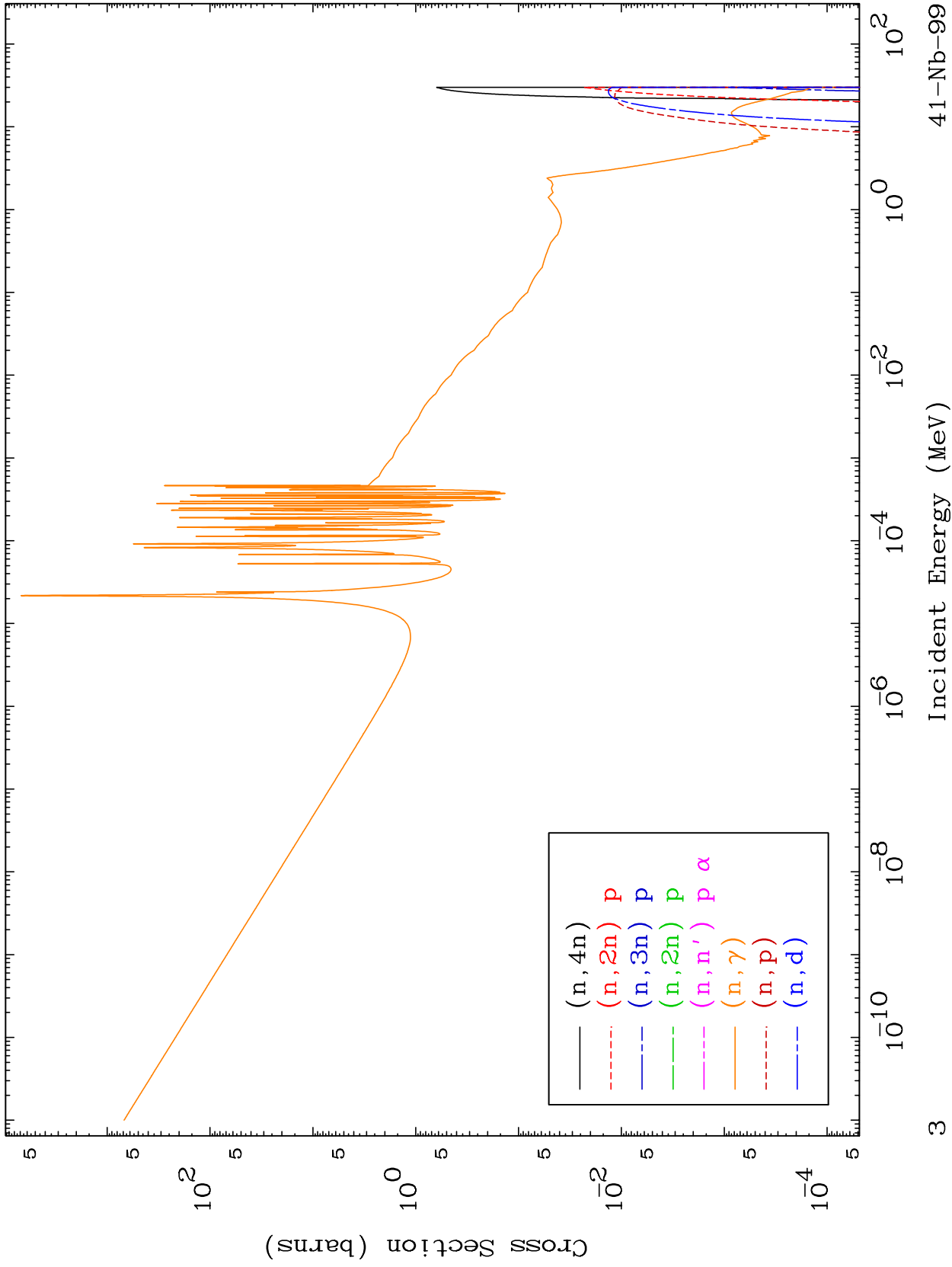
MAT 4143

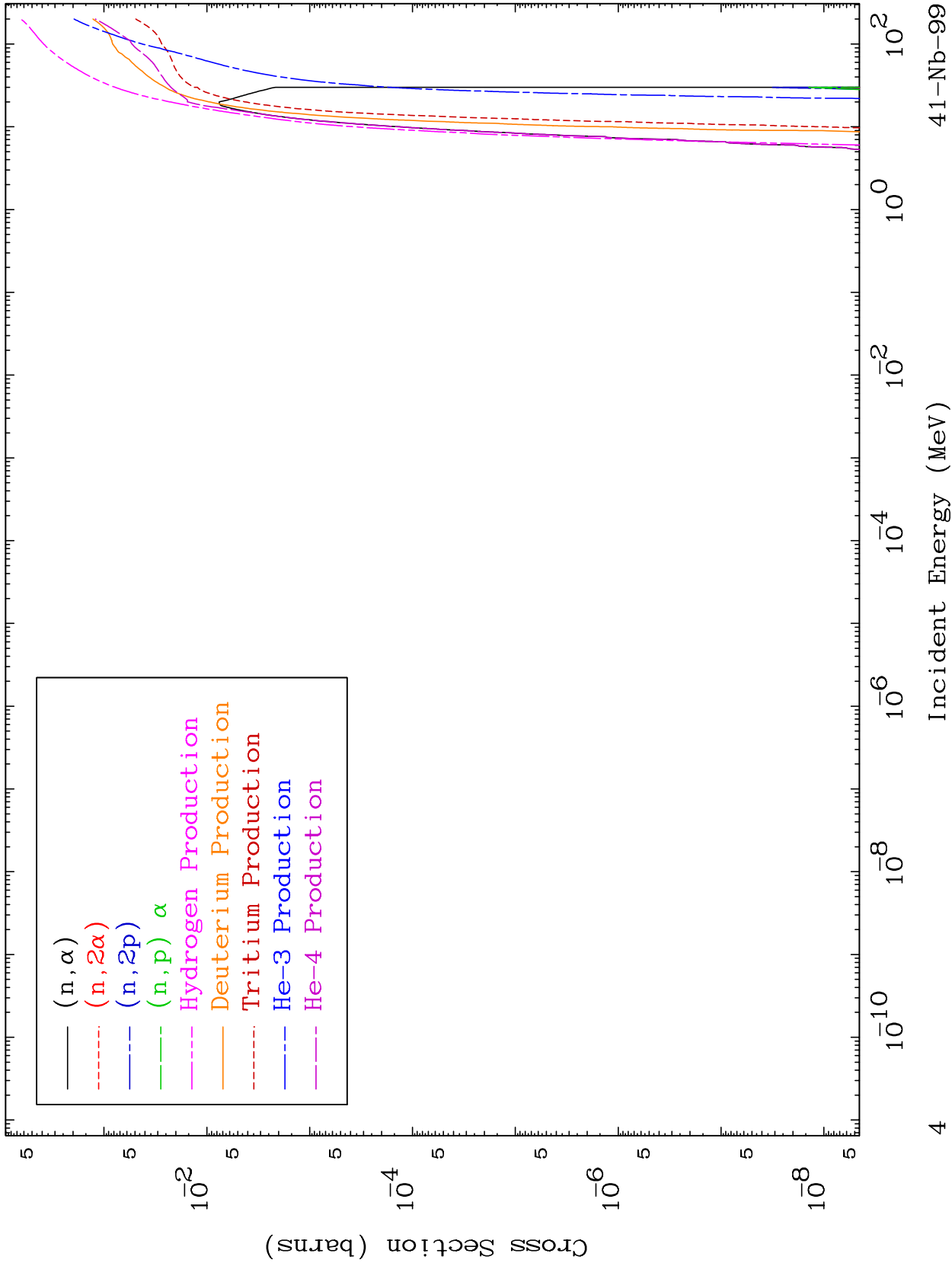
Neutron Major
293 Kelvin Cross Sections

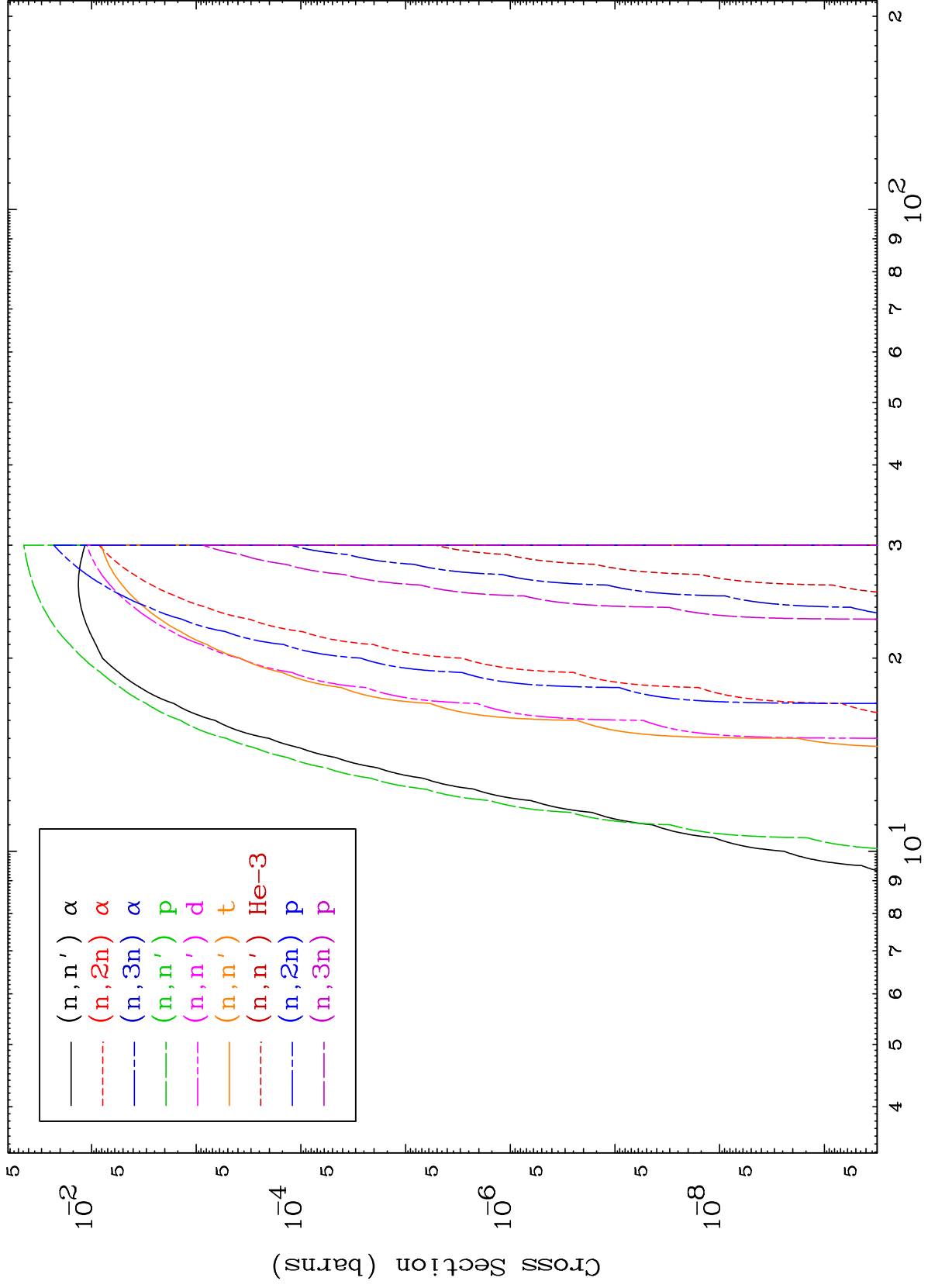
41-Nb-99







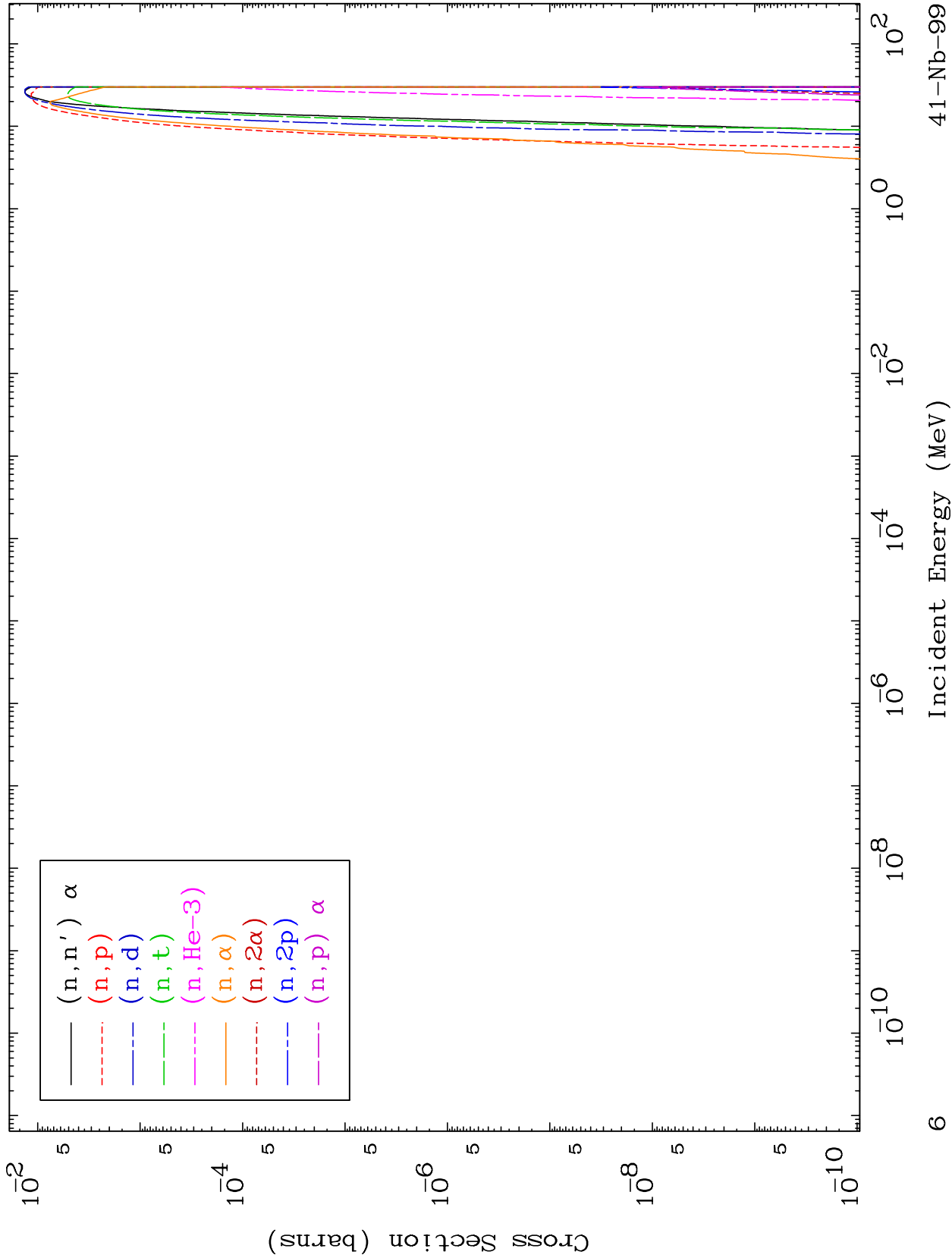




MAT 4143

Charged Particle
293 Kelvin Cross Sections

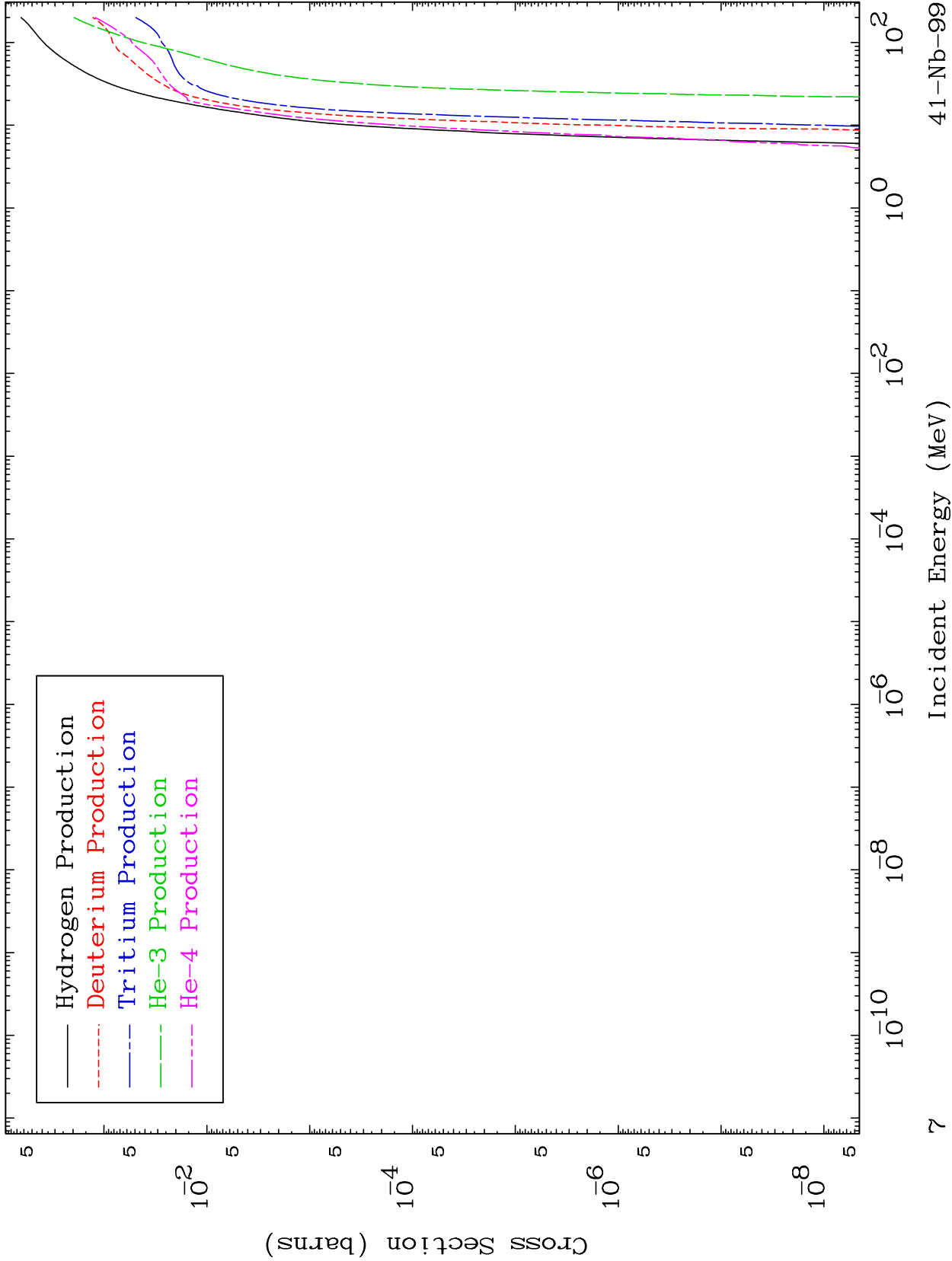
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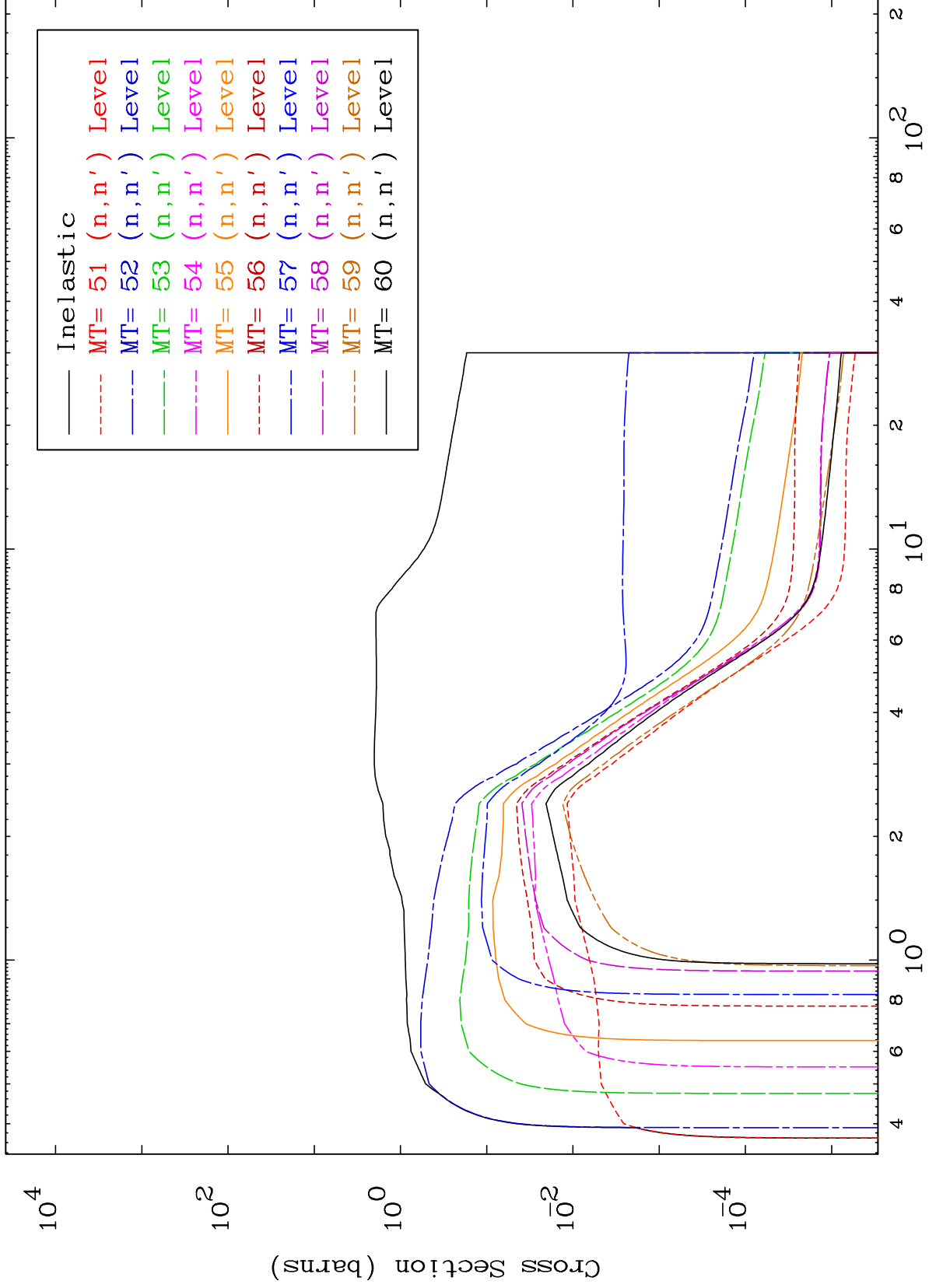
MAT 4143

Particle Production
293 Kelvin Cross Sections

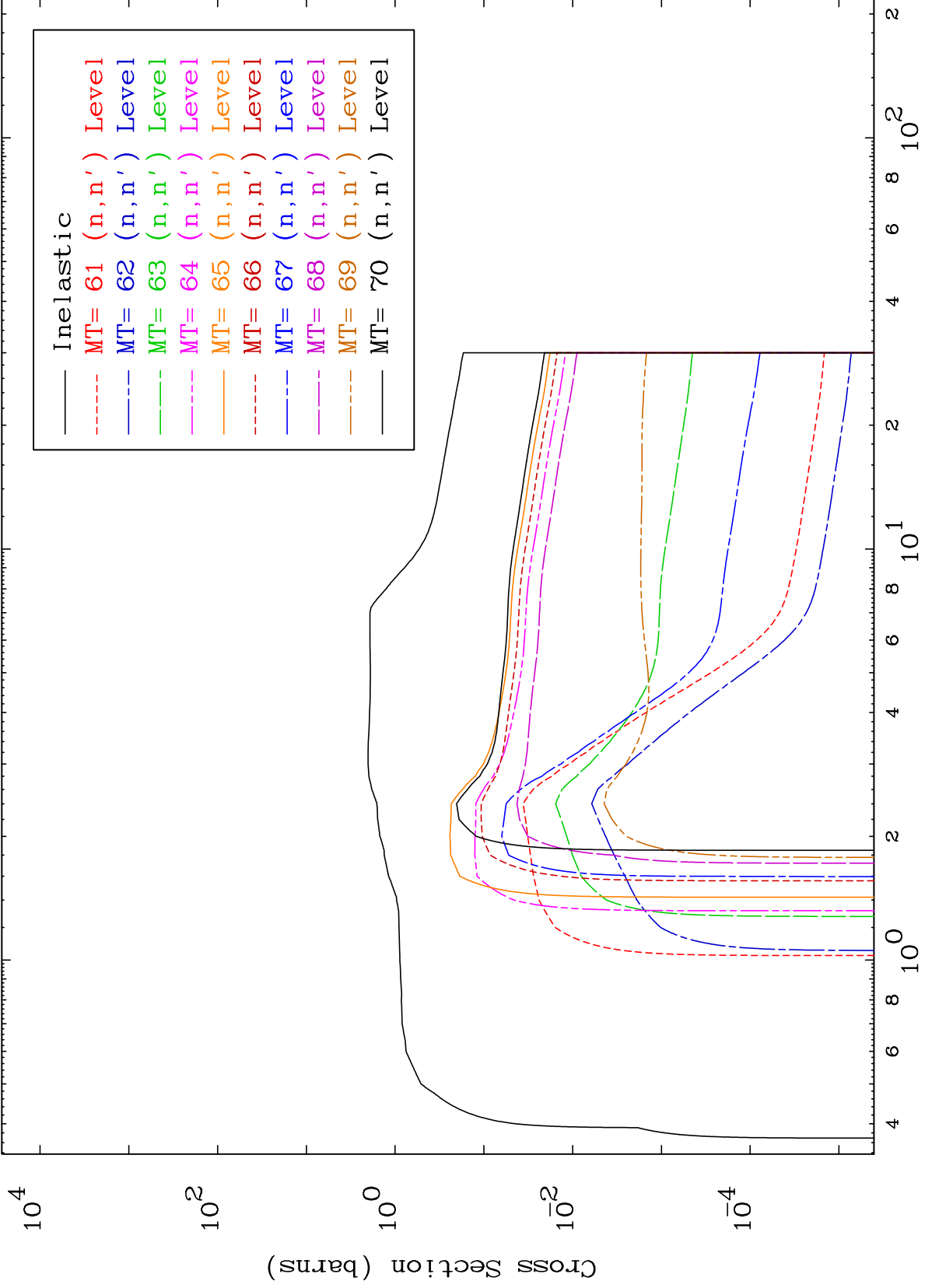
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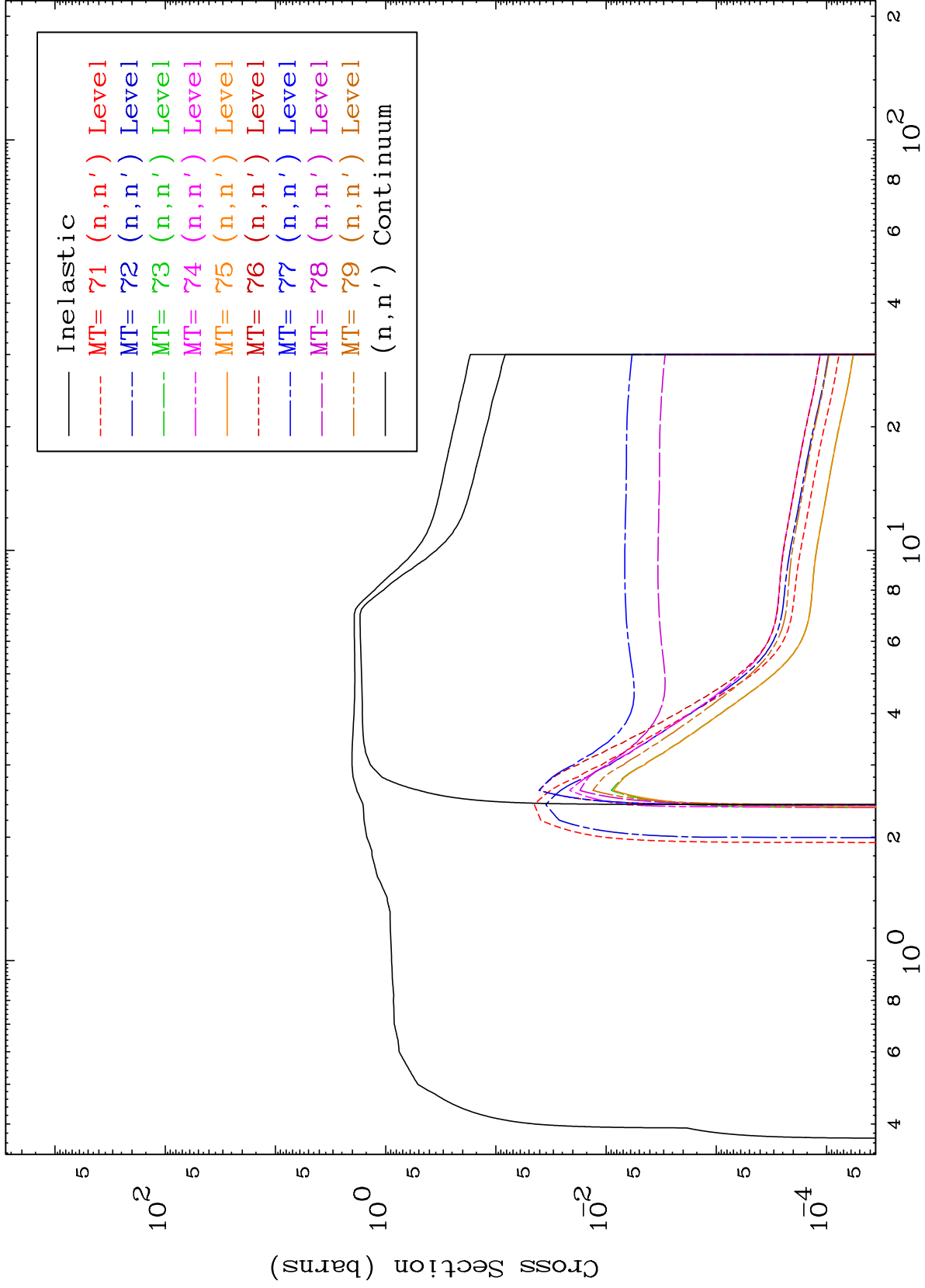


293 Kelvin Cross Sections



293 Kelvin Cross Sections

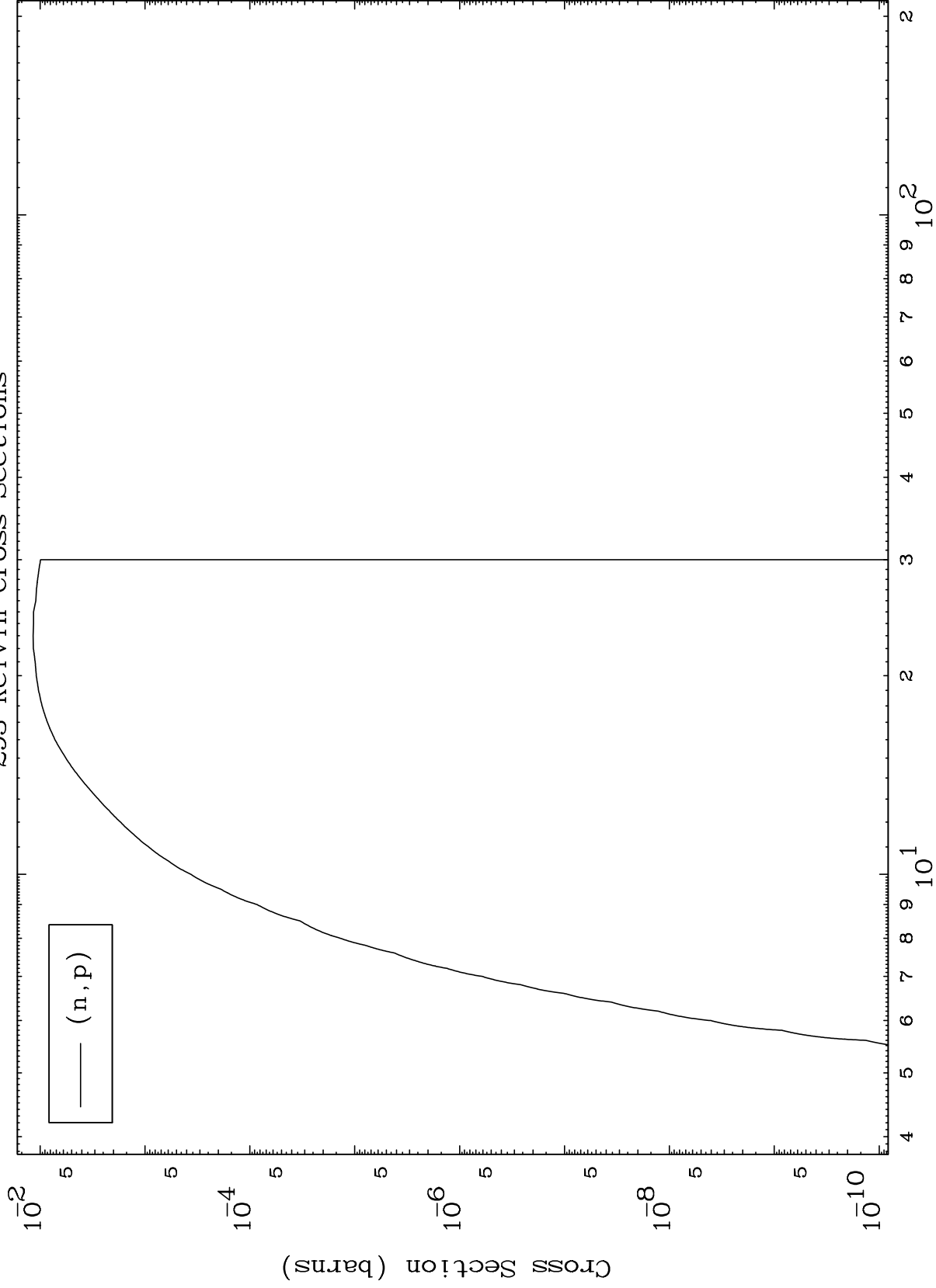




MAT 4143

(n,p) Levels
293 Kelvin Cross Sections

41-Nb-99



11

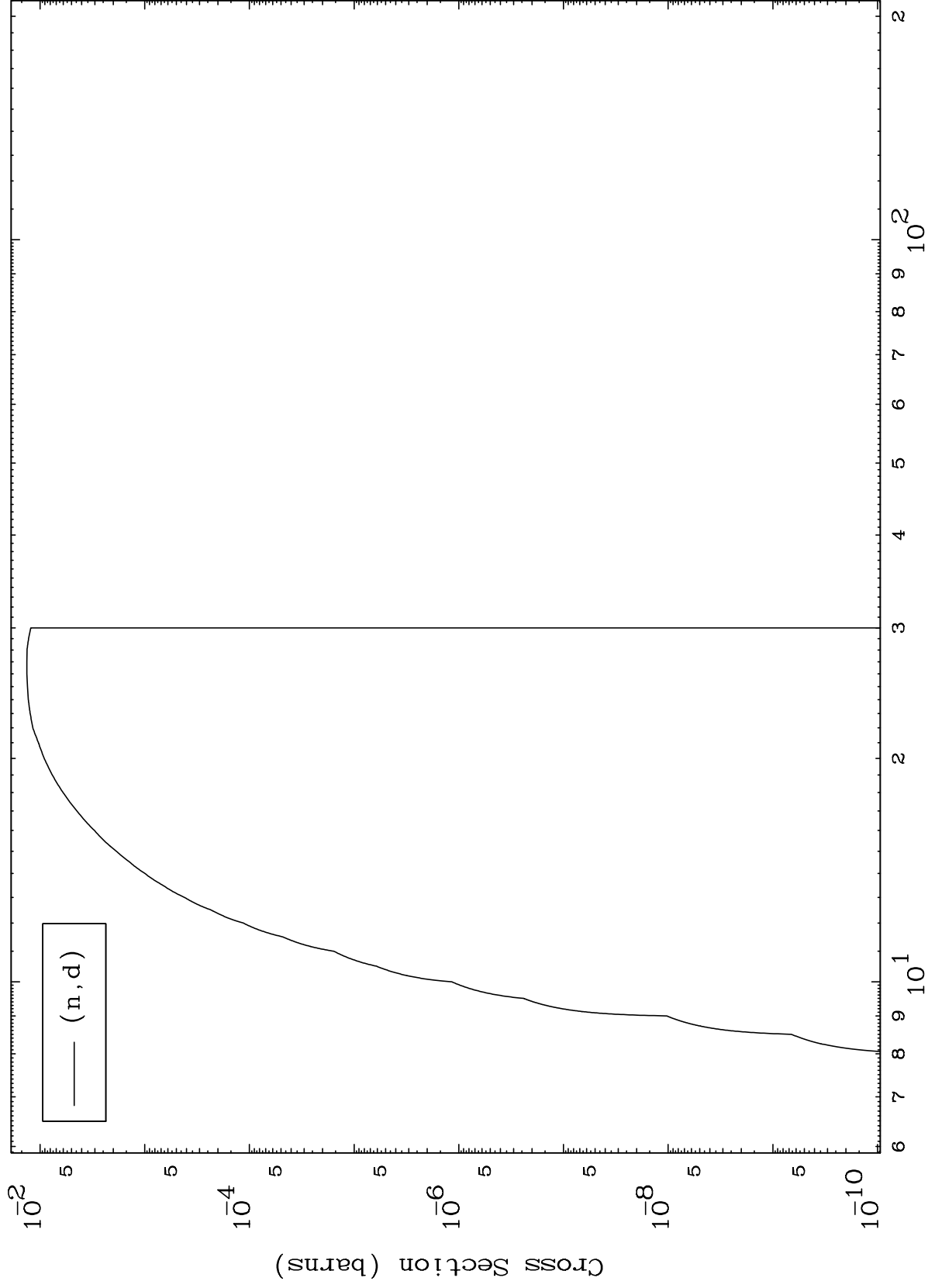
Incident Energy (MeV)

41-Nb-99

MAT 4143

(n,d) Levels
293 Kelvin Cross Sections

41-Nb-99



12

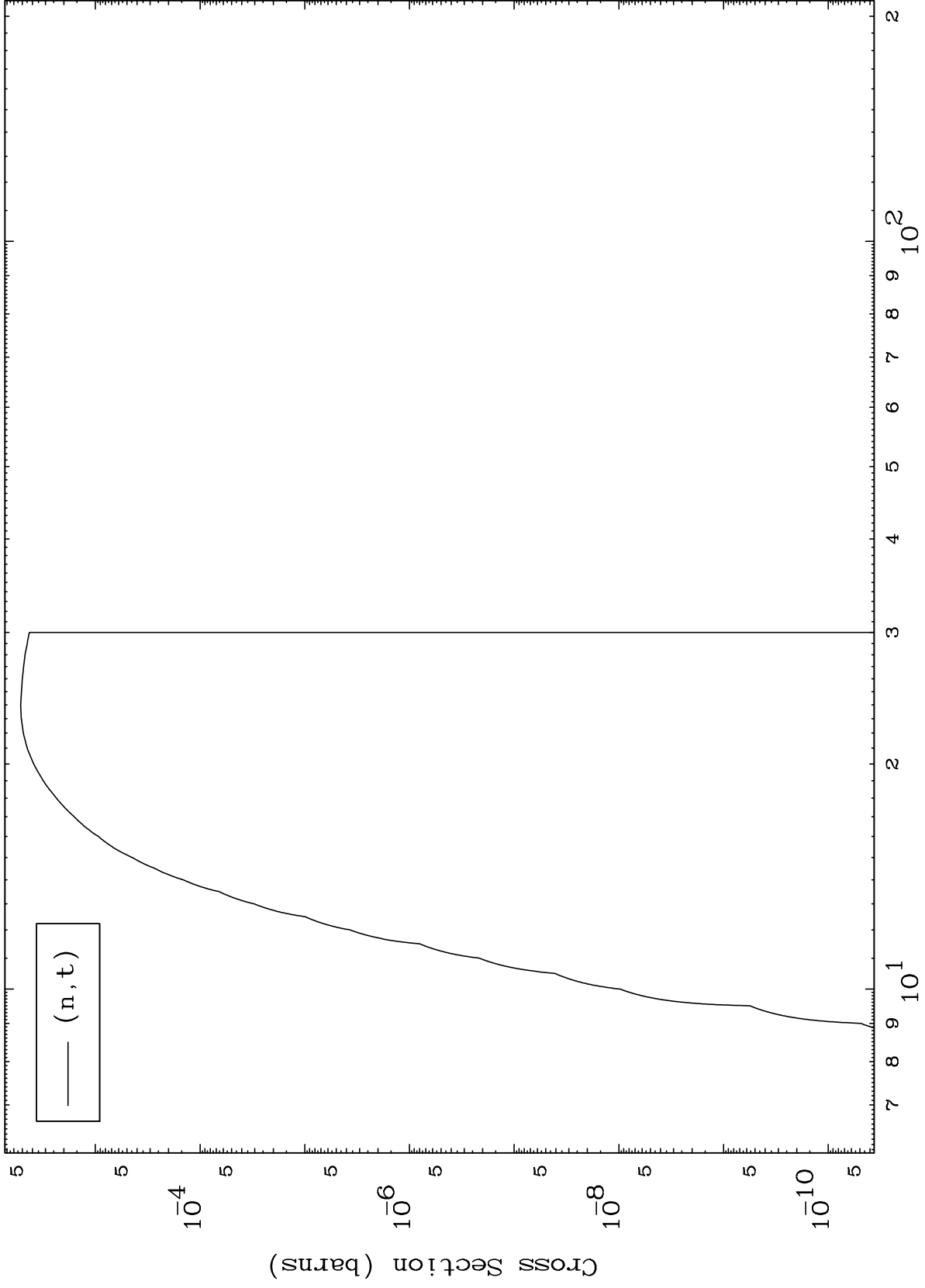
Incident Energy (MeV)

41-Nb-99

MAT 4143

(n,t) Levels
293 Kelvin Cross Sections

41-Nb-99



13

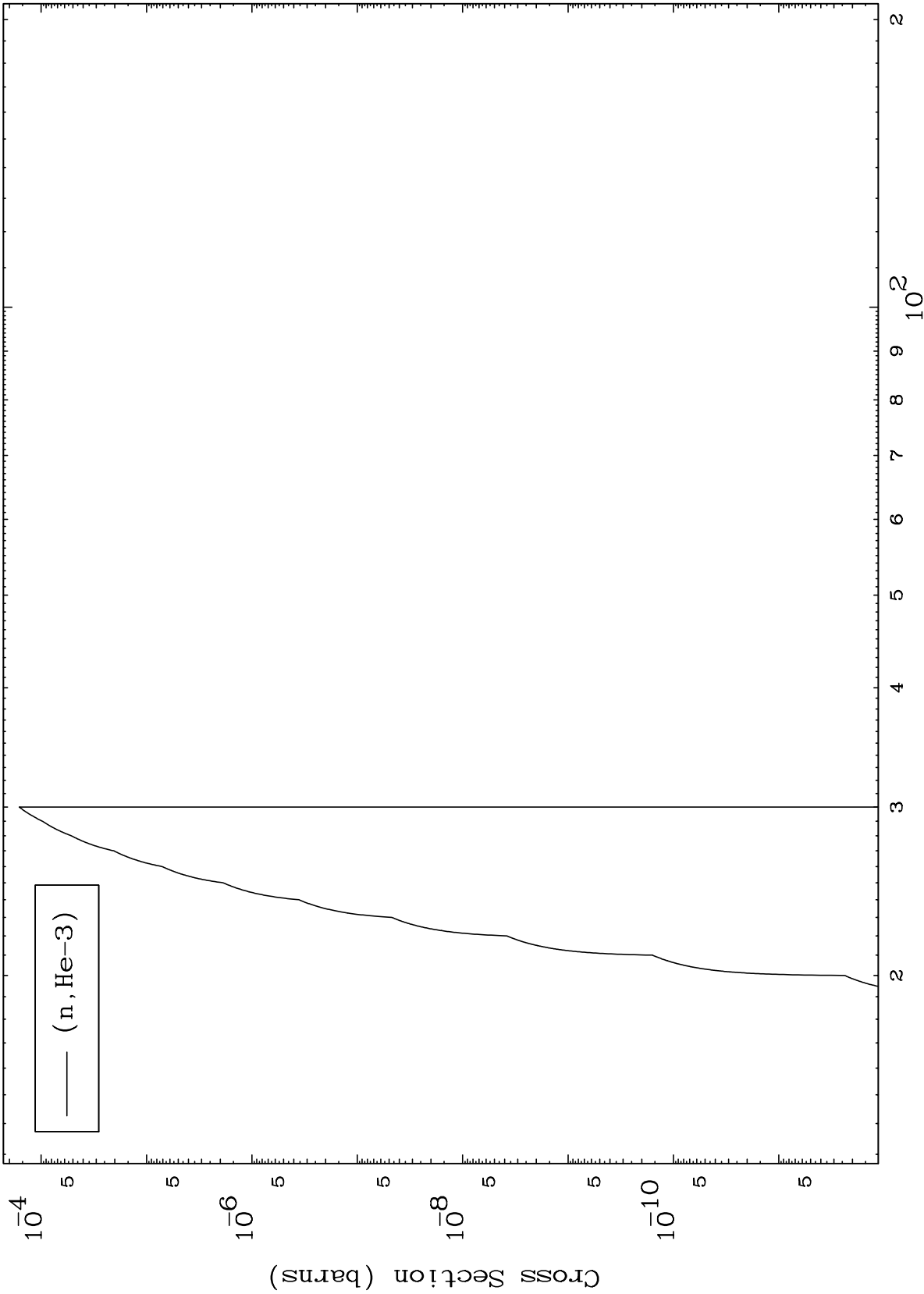
Incident Energy (MeV)

41-Nb-99

MAT 4143

(n,He3) Levels
293 Kelvin Cross Sections

41-Nb-99



14

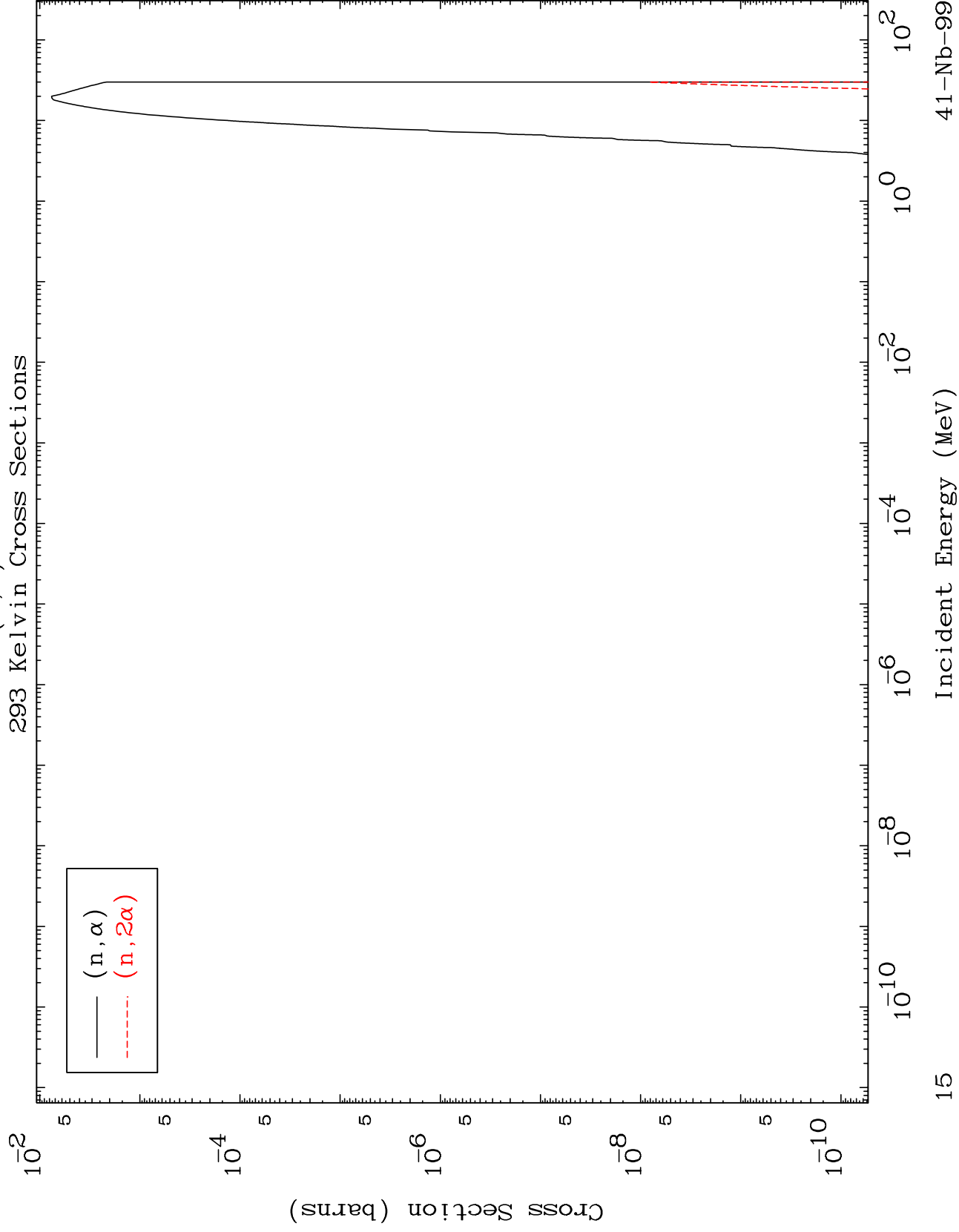
Incident Energy (MeV)

41-Nb-99

MAT 4143

(n, α) Levels
293 Kelvin Cross Sections

41-Nb-99



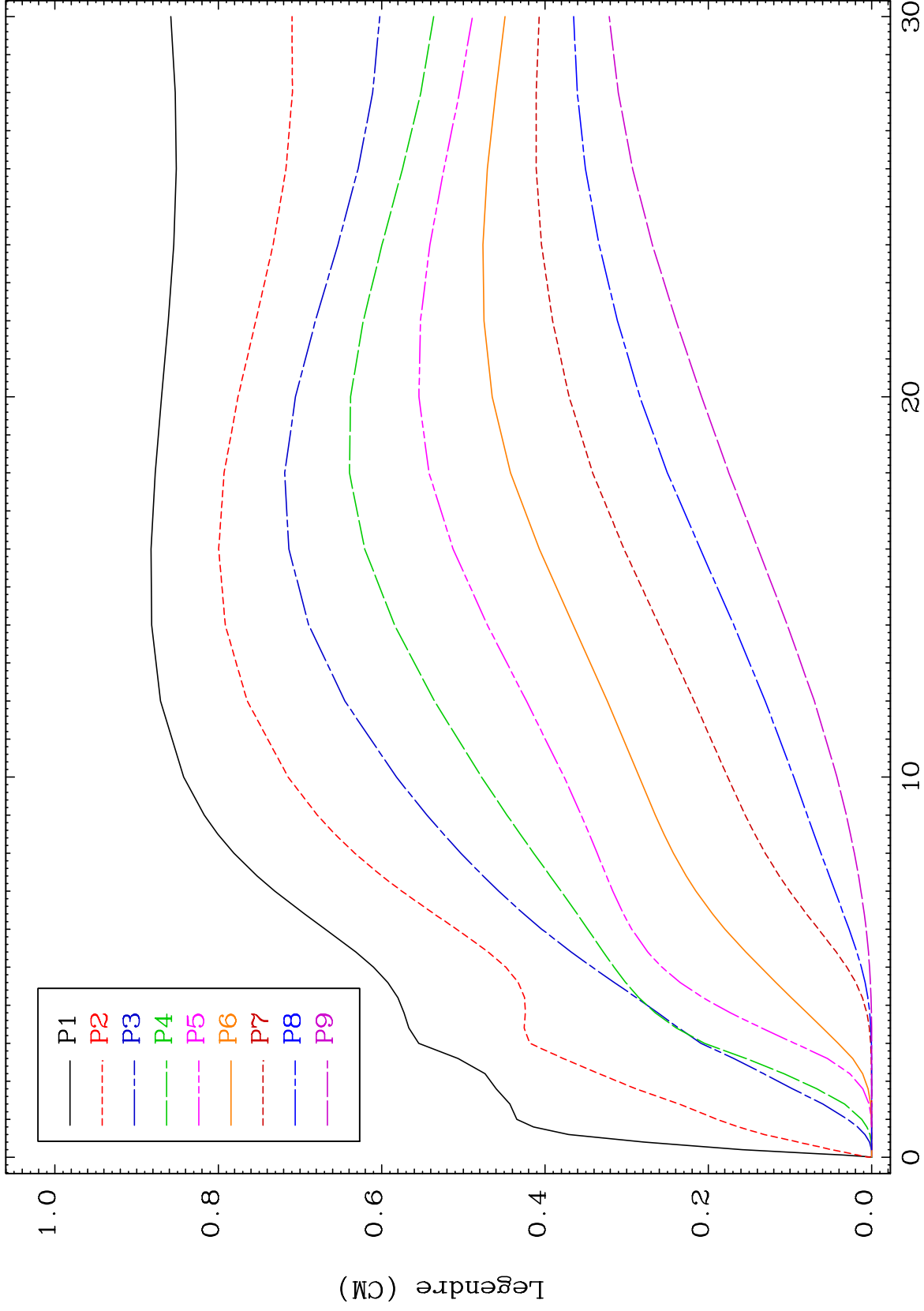
15

41-Nb-99

MAT 4143

Elastic Legendre Coefficients

41-Nb-99



16

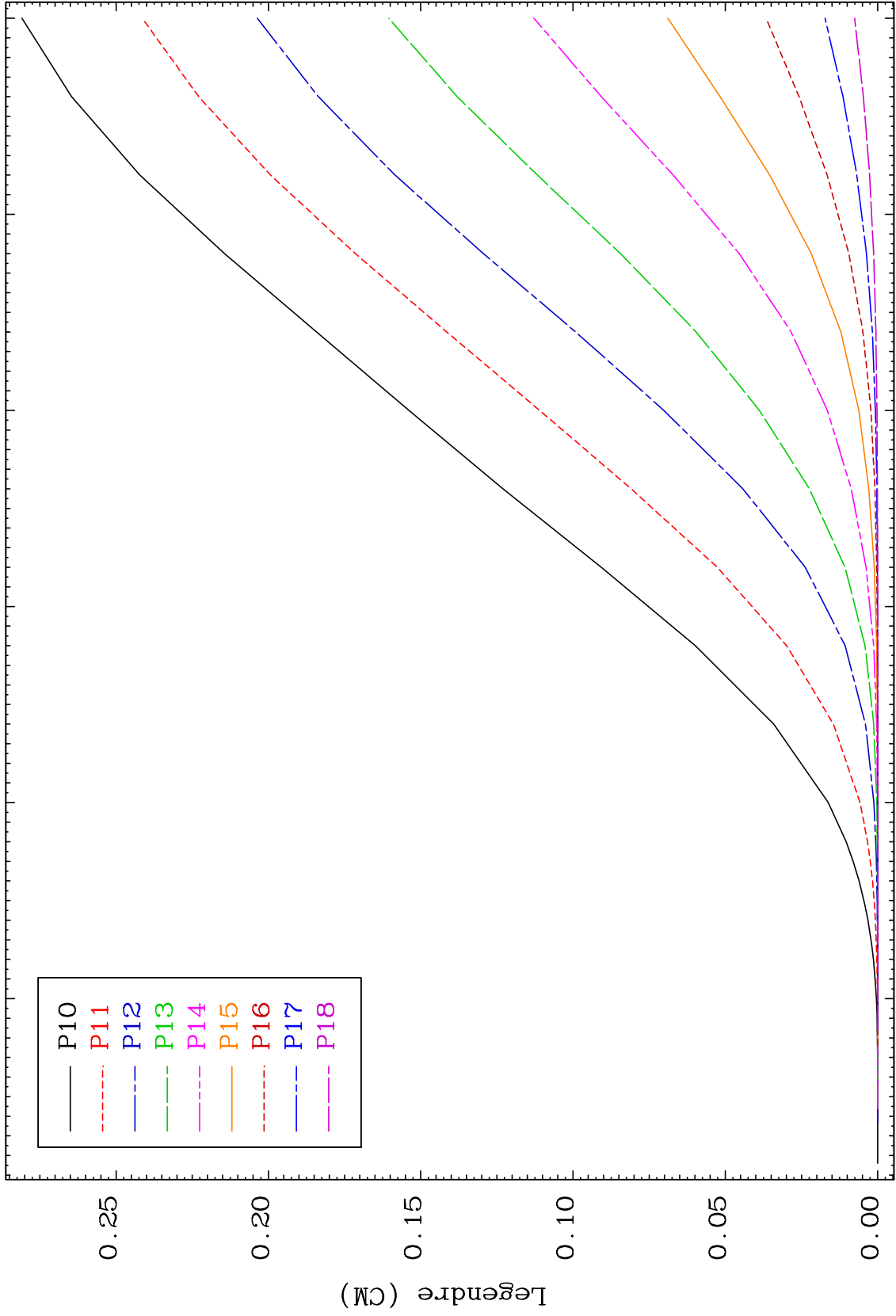
Incident Energy (MeV)

41-Nb-99

MAT 4143

Elastic Legendre Coefficients

41-Nb-99



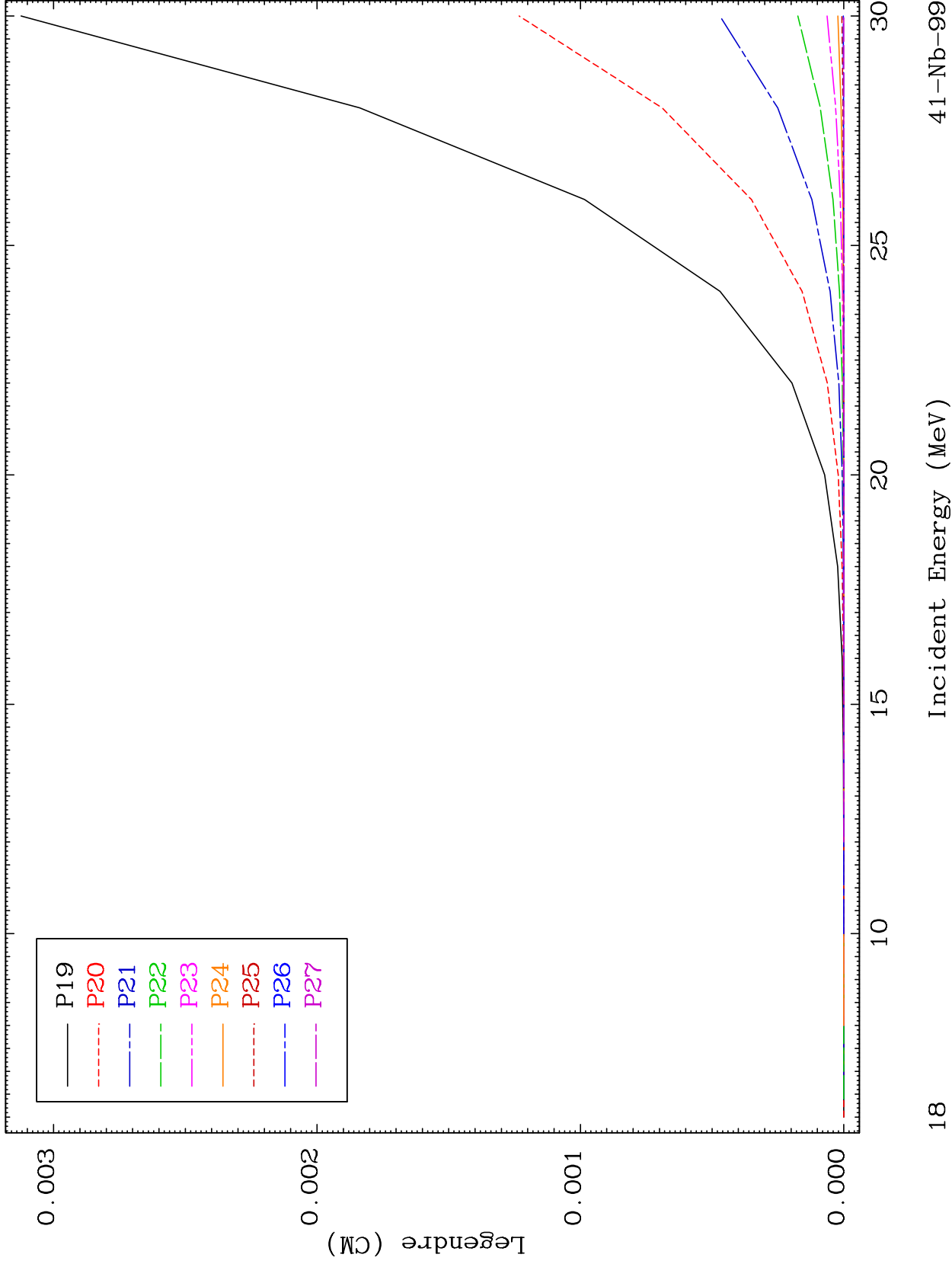
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41-Nb-99

MAT 4143

Elastic Legendre Coefficients

41-Nb-99



18

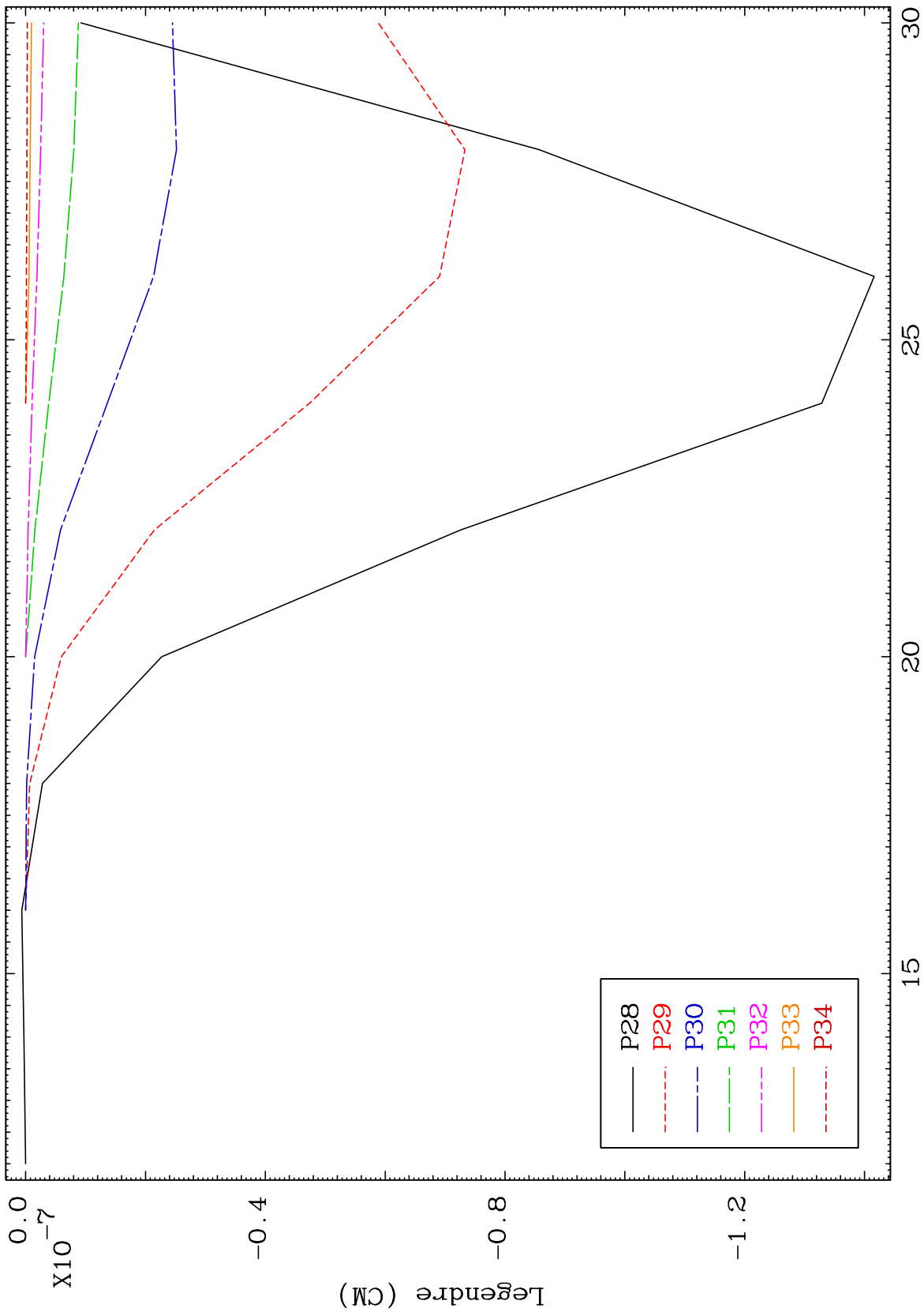
Incident Energy (MeV)

41-Nb-99

MAT 4143

41-Nb-99

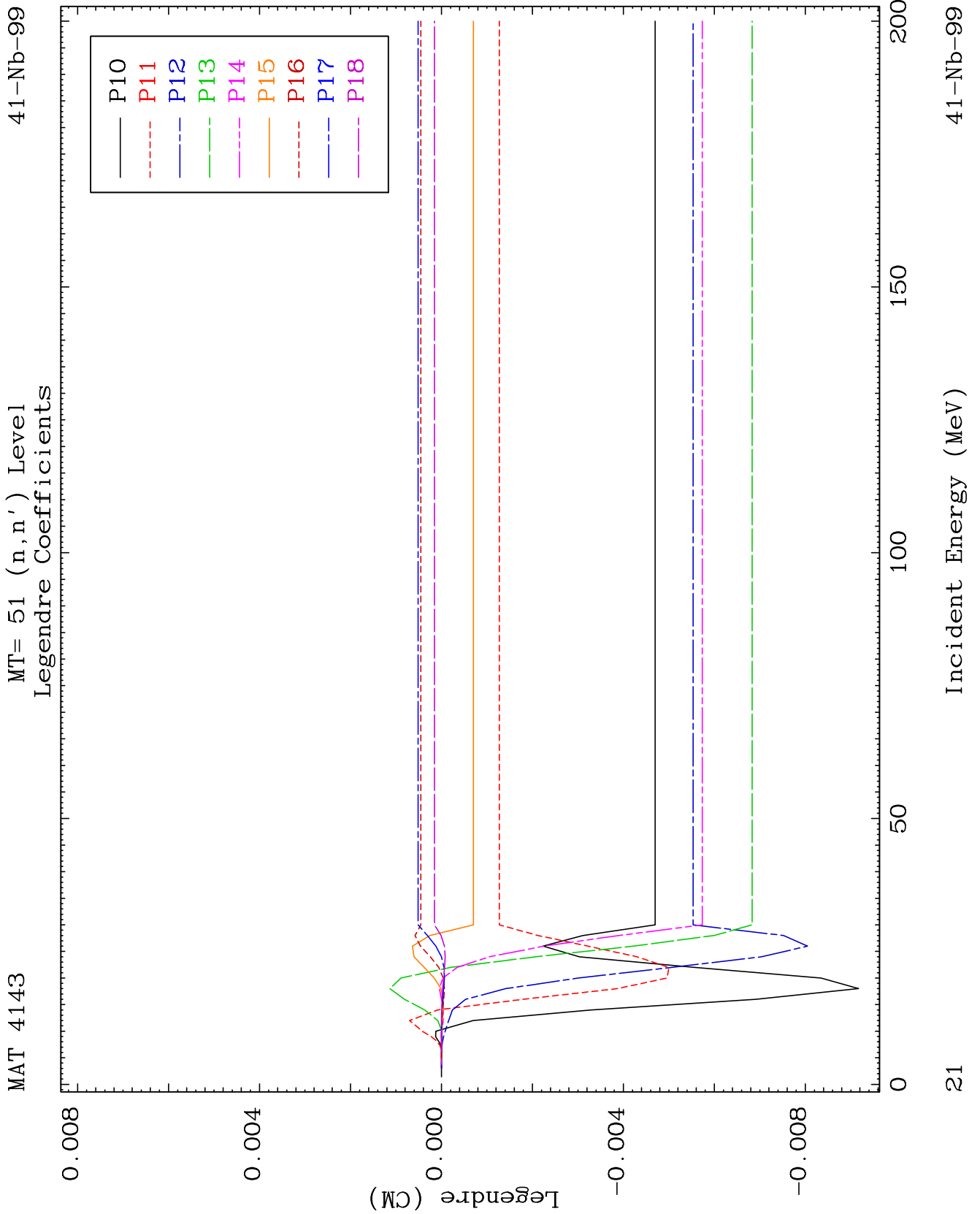
Elastic Legendre Coefficients



19

Incident Energy (MeV)

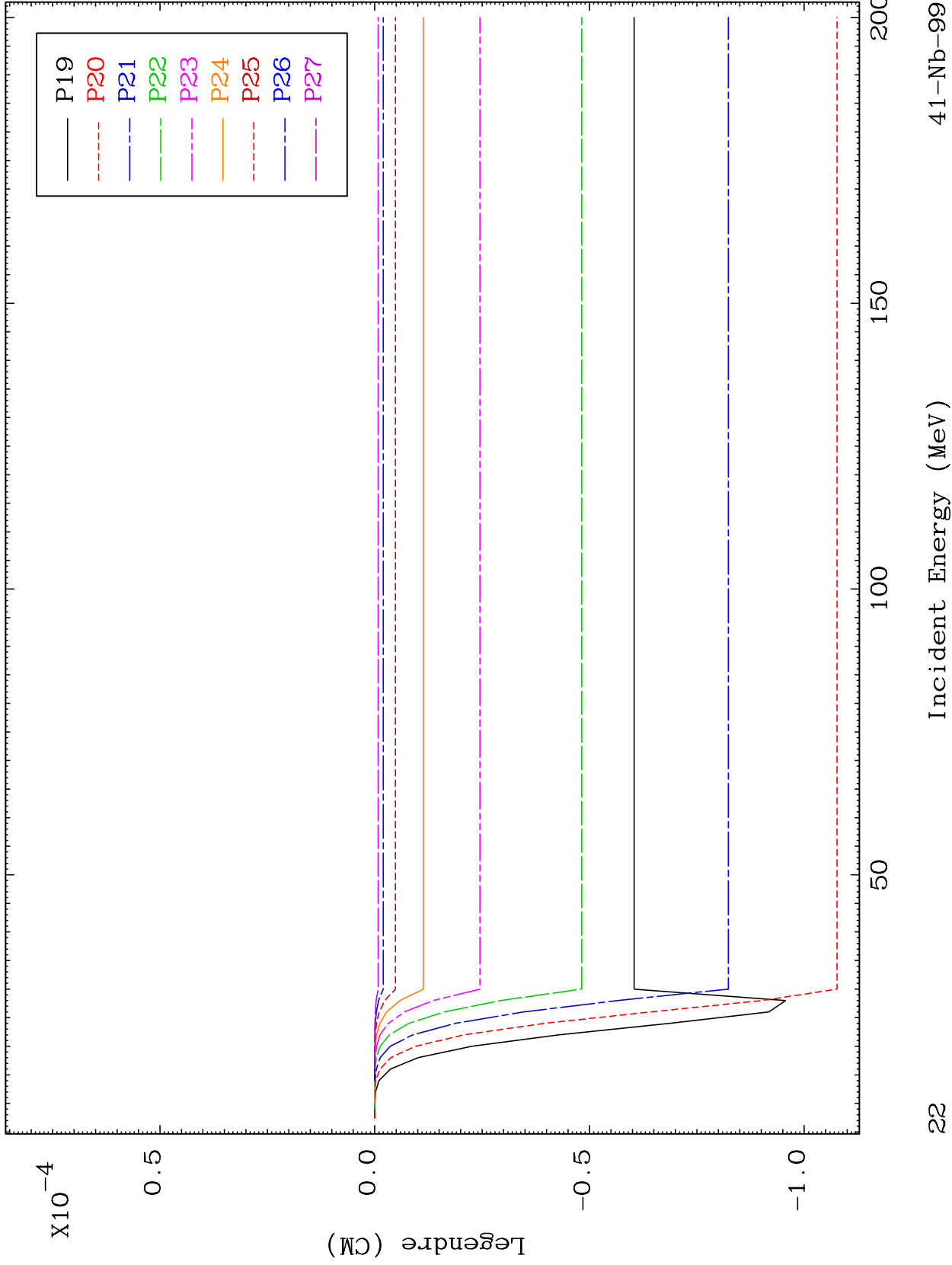
41-Nb-99



MAT 4143

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

41-Nb-99



22

Incident Energy (MeV)

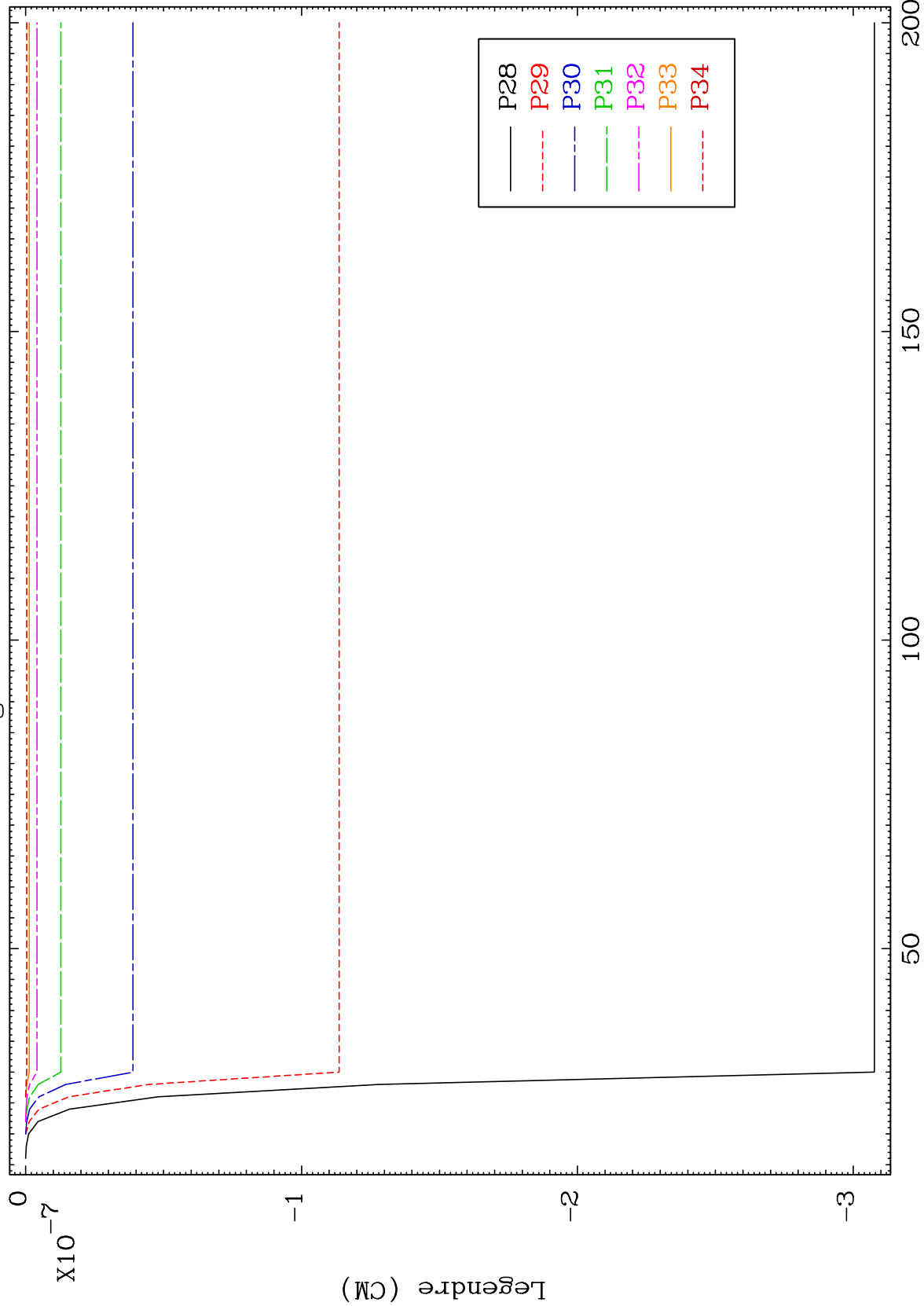
41-Nb-99

MAT 4143

MT= 51 (n,n') Level

41-Nb-99

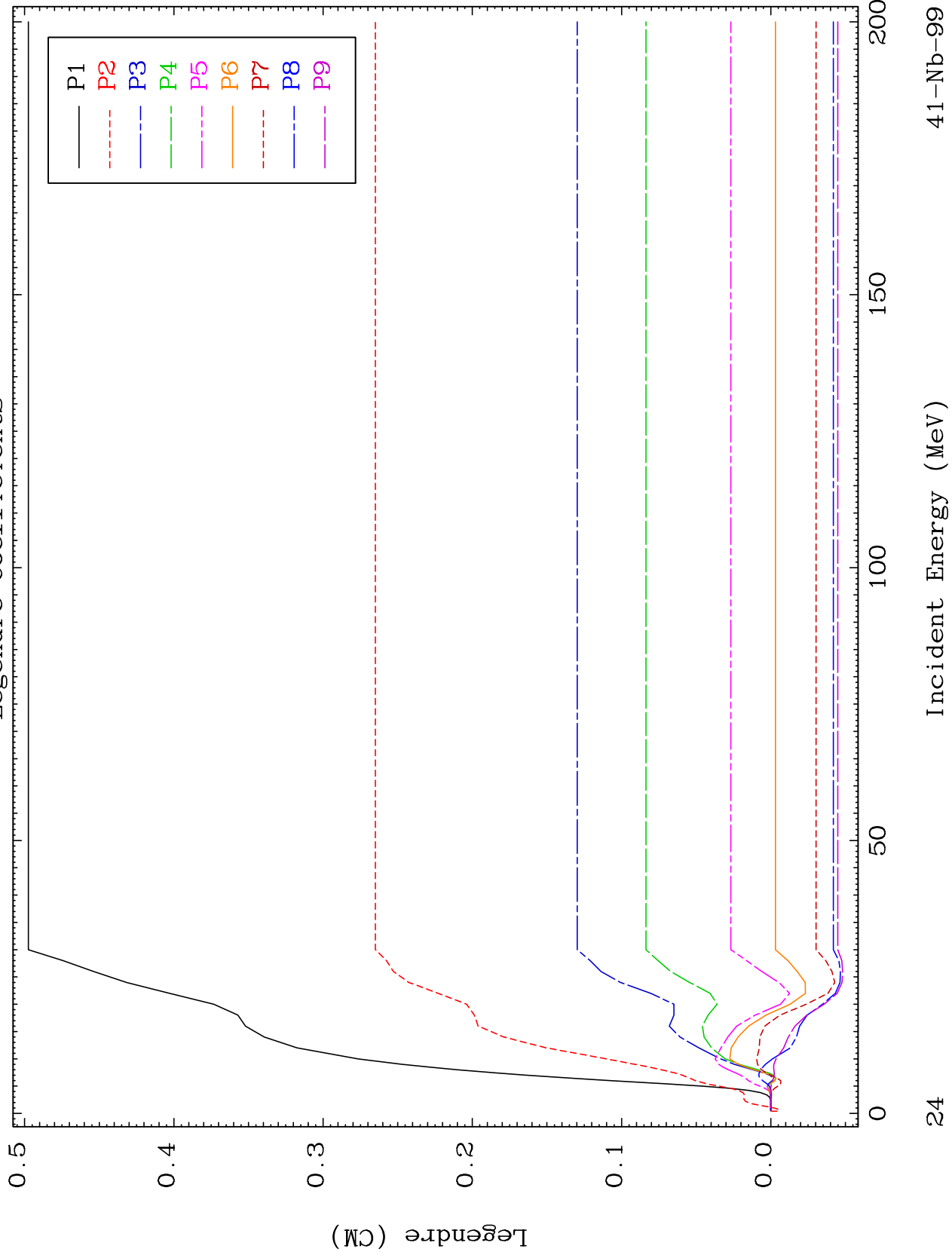
Legendre Coefficients



MAT 4143

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

41-Nb-99



41-Nb-99

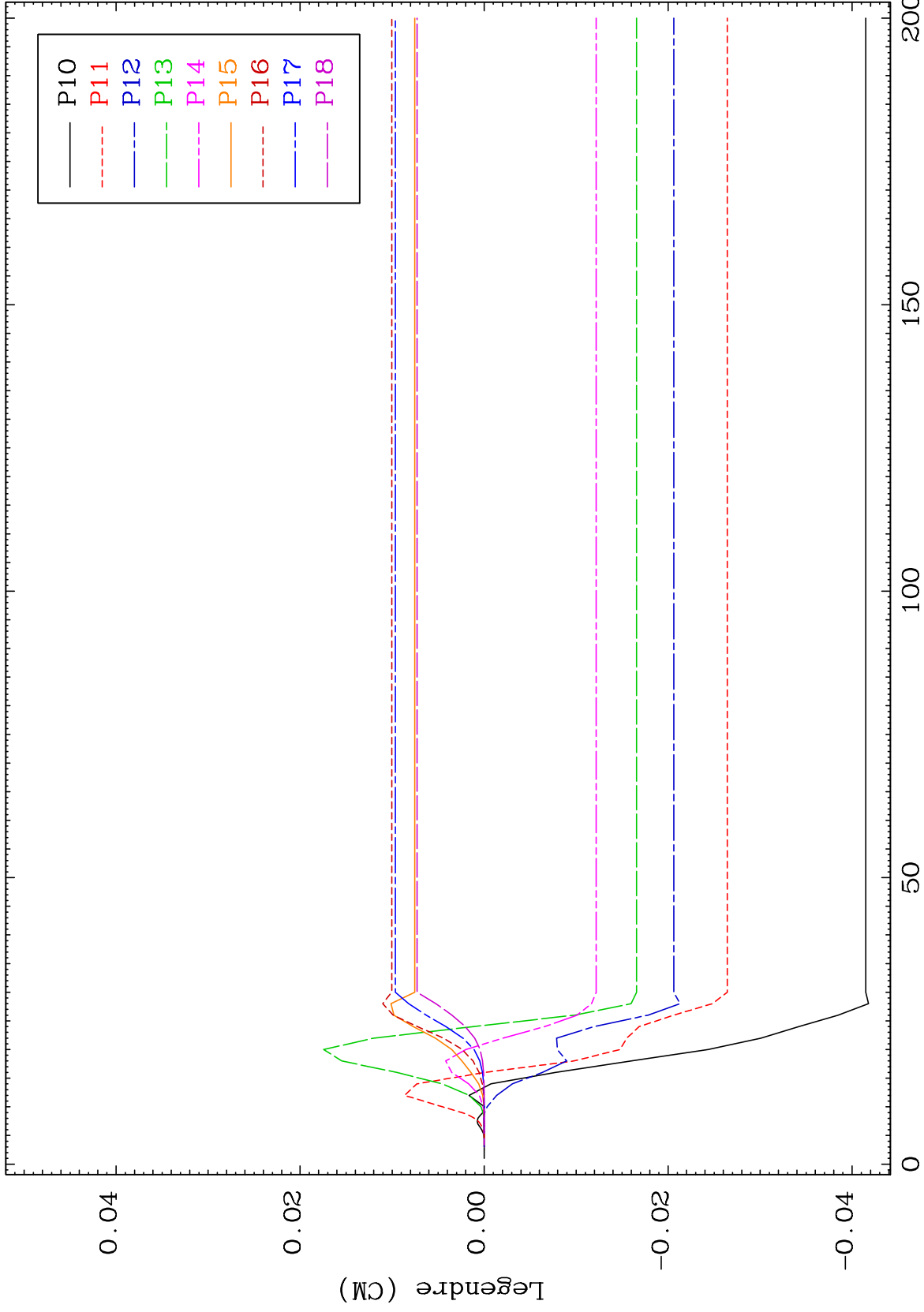
Incident Energy (MeV)

24

MAT 4143

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

41-Nb-99



25

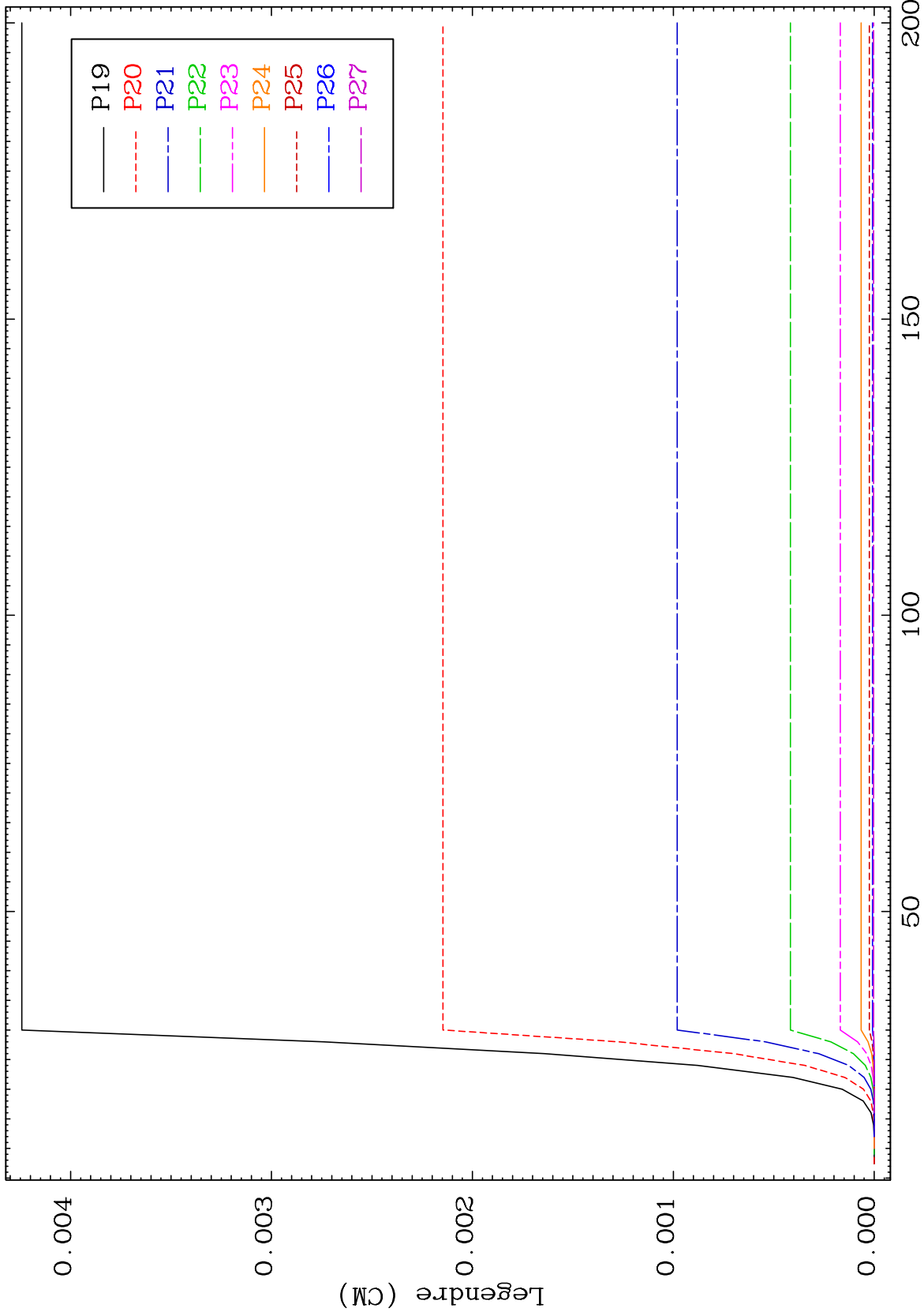
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



26

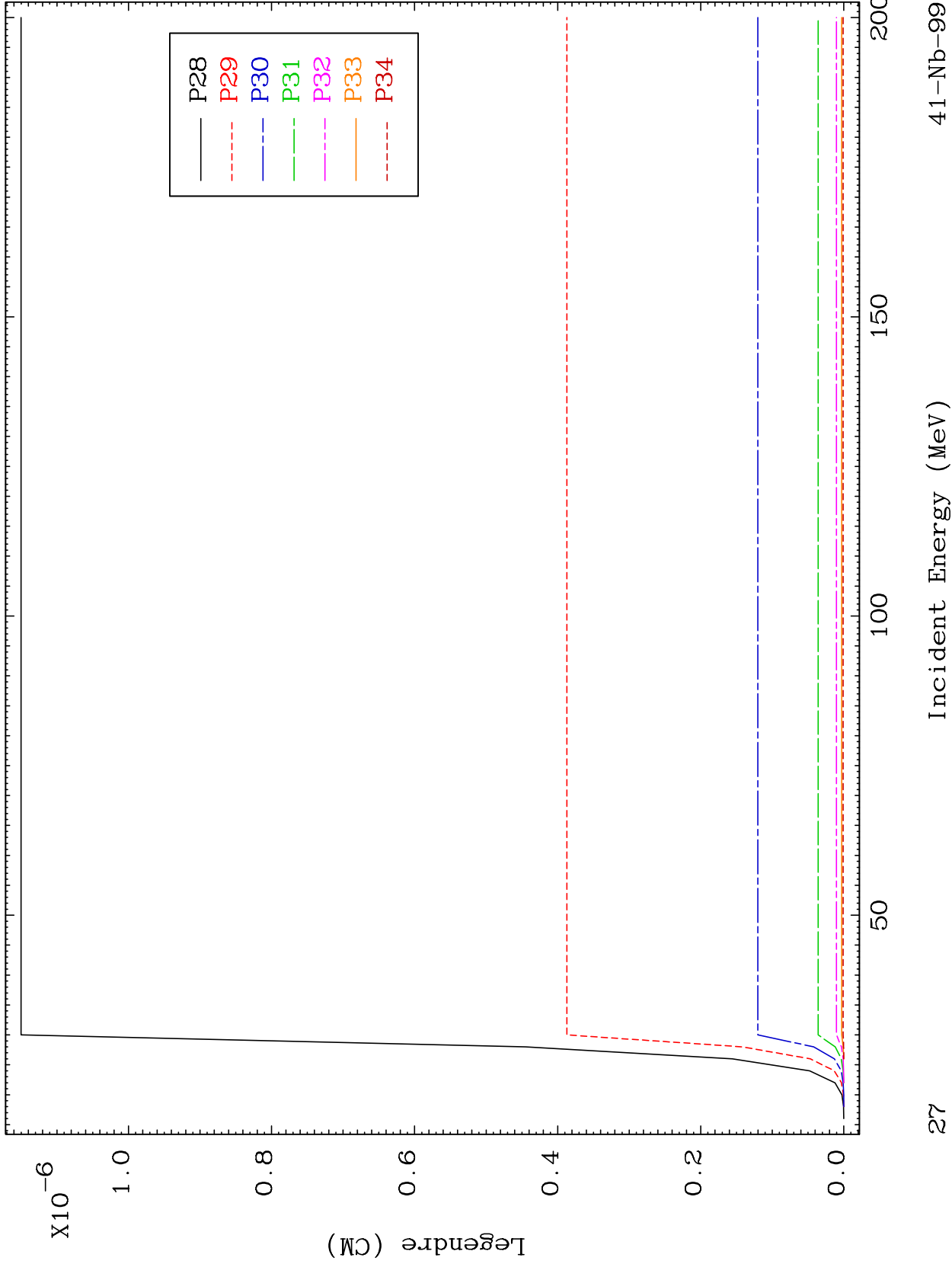
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

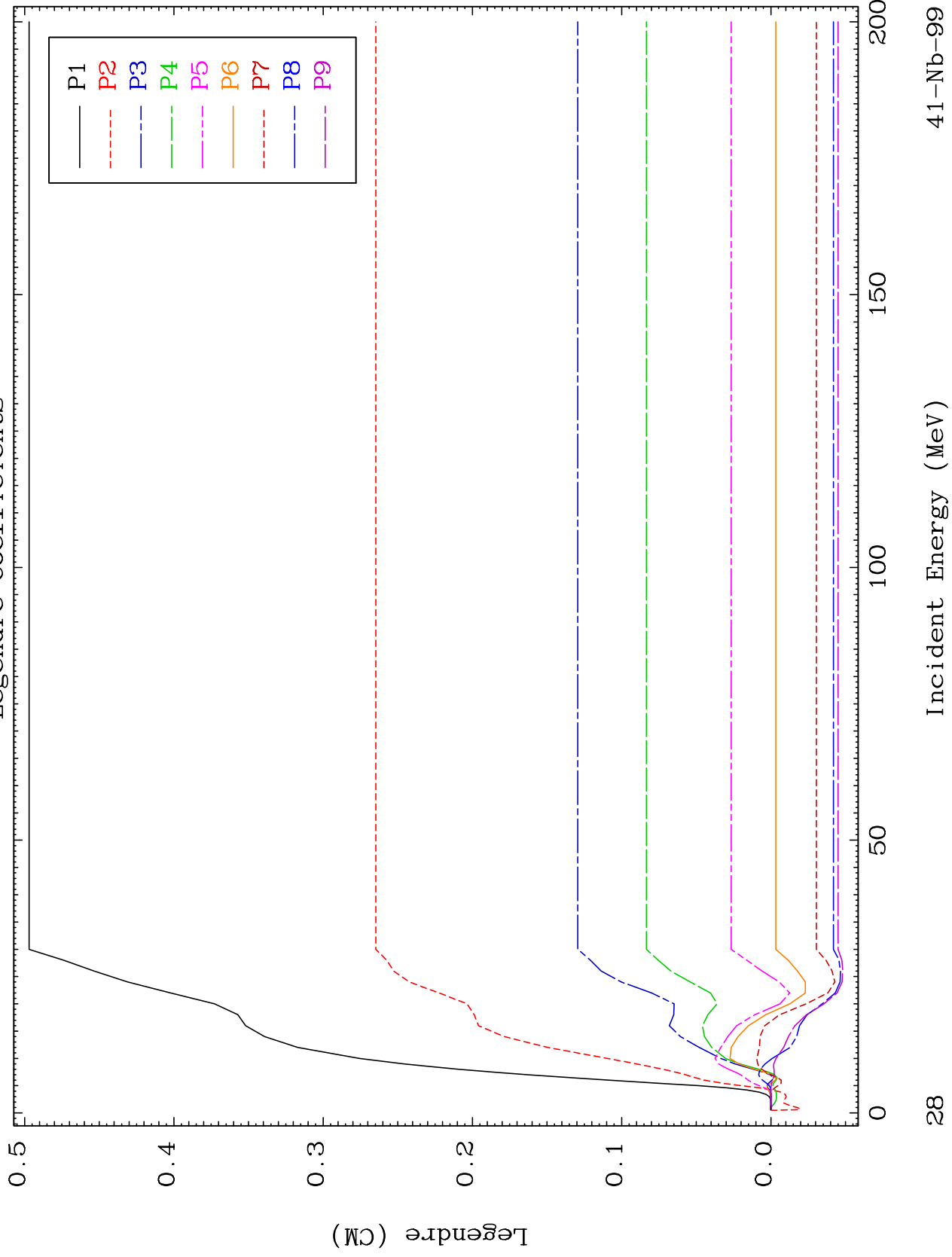
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MAT 4143

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

41-Nb-99



41-Nb-99

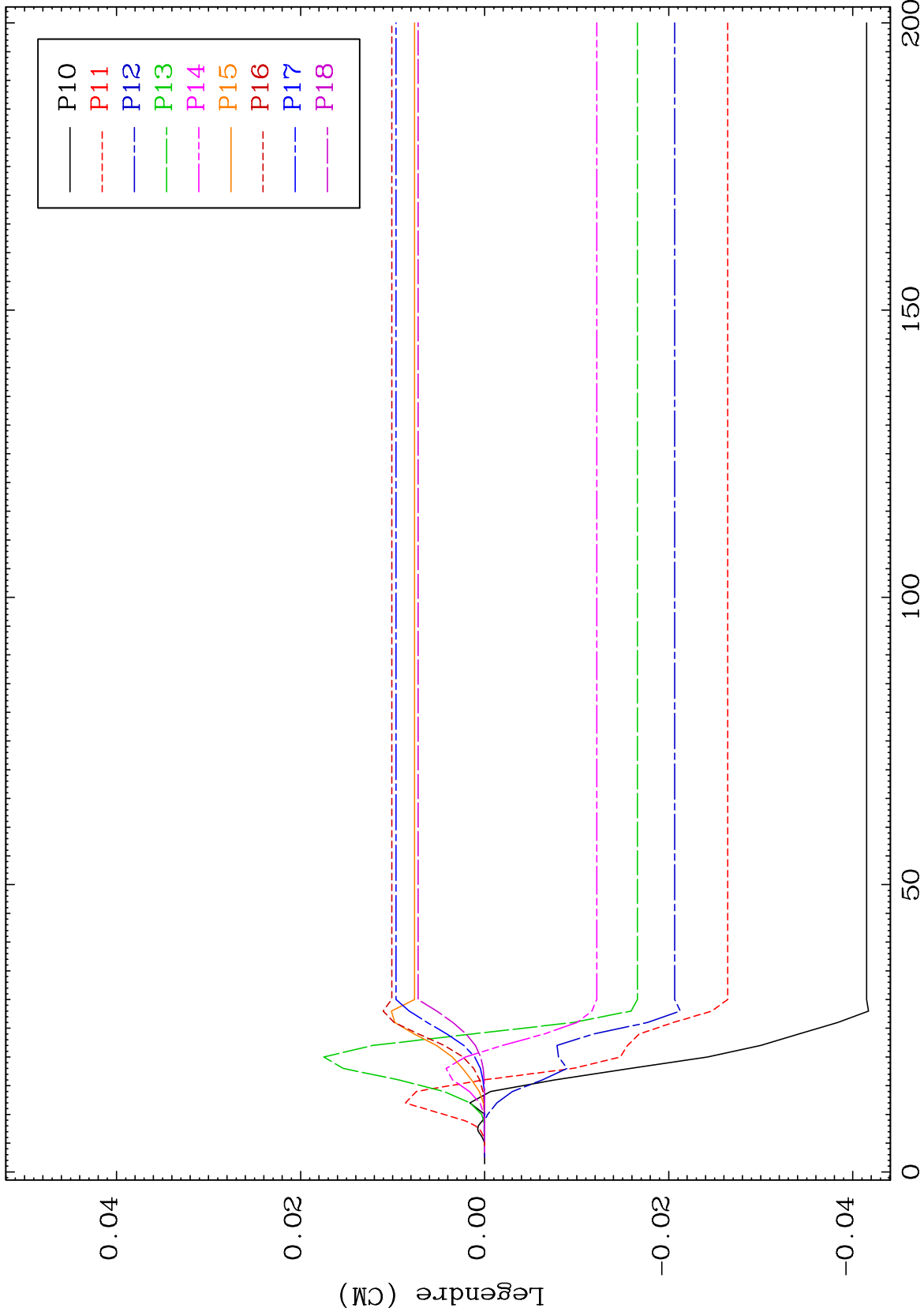
Incident Energy (MeV)

28

MAT 4143

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

41-Nb-99



29

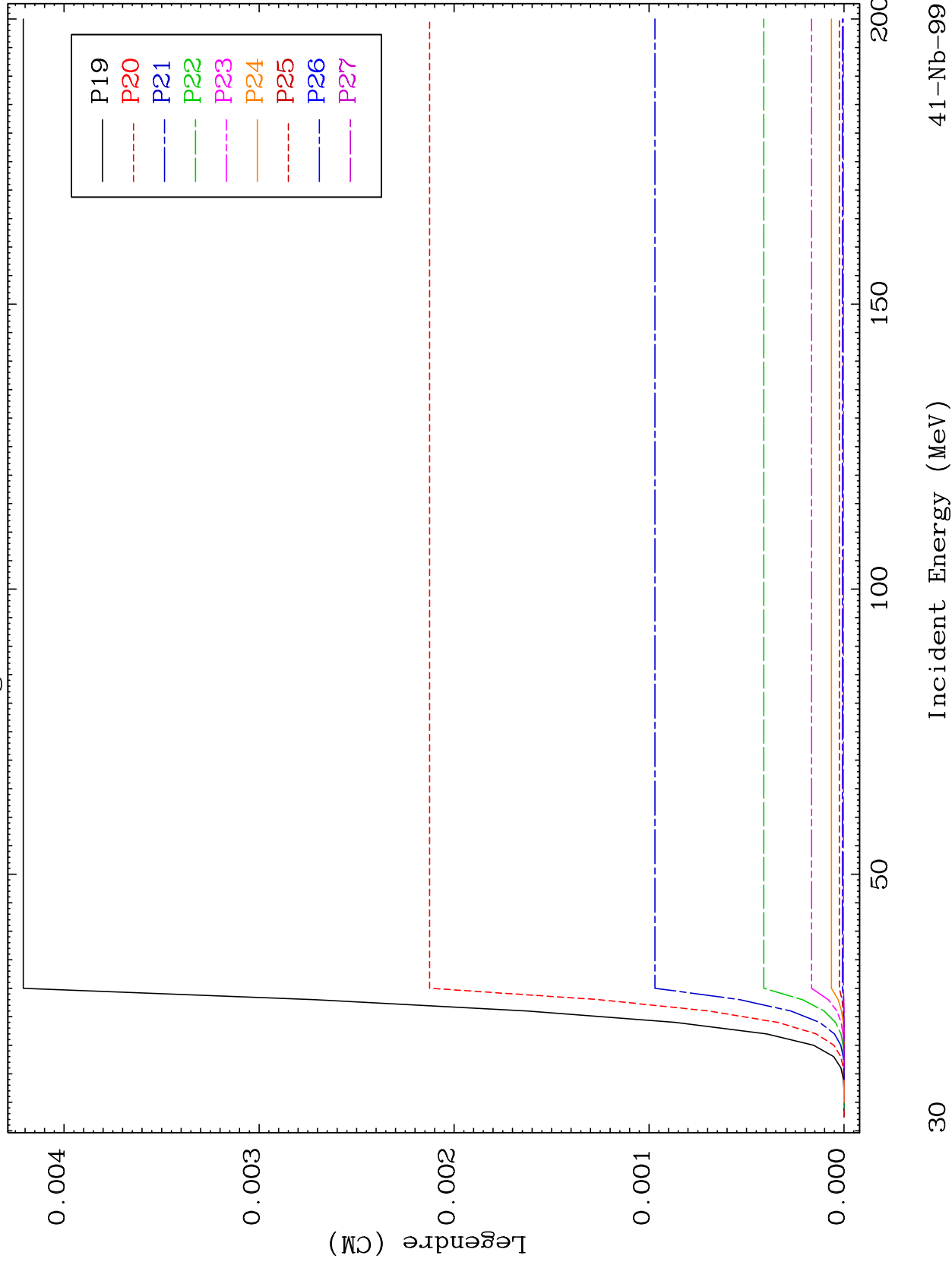
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



30

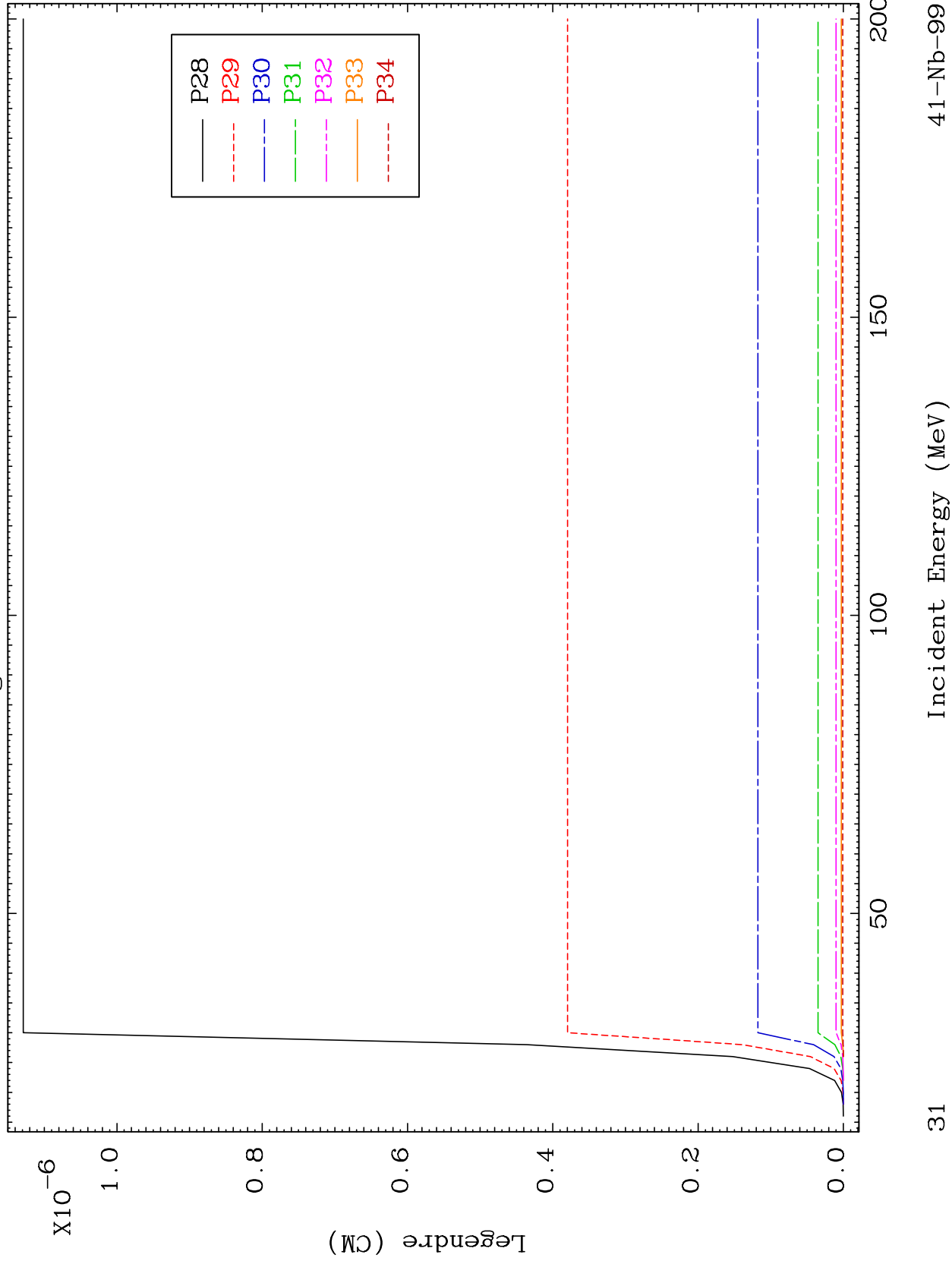
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



31

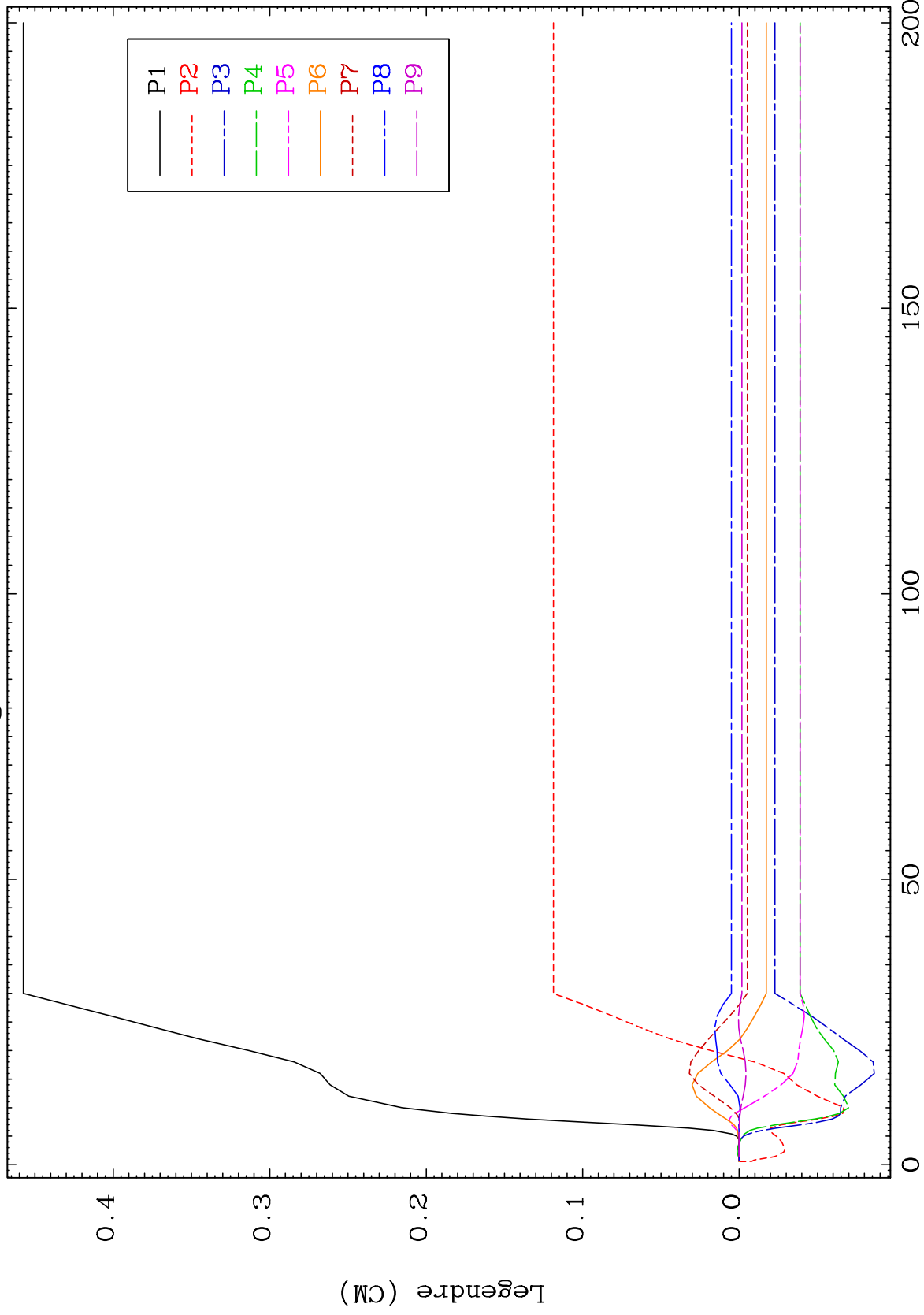
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



41-Nb-99

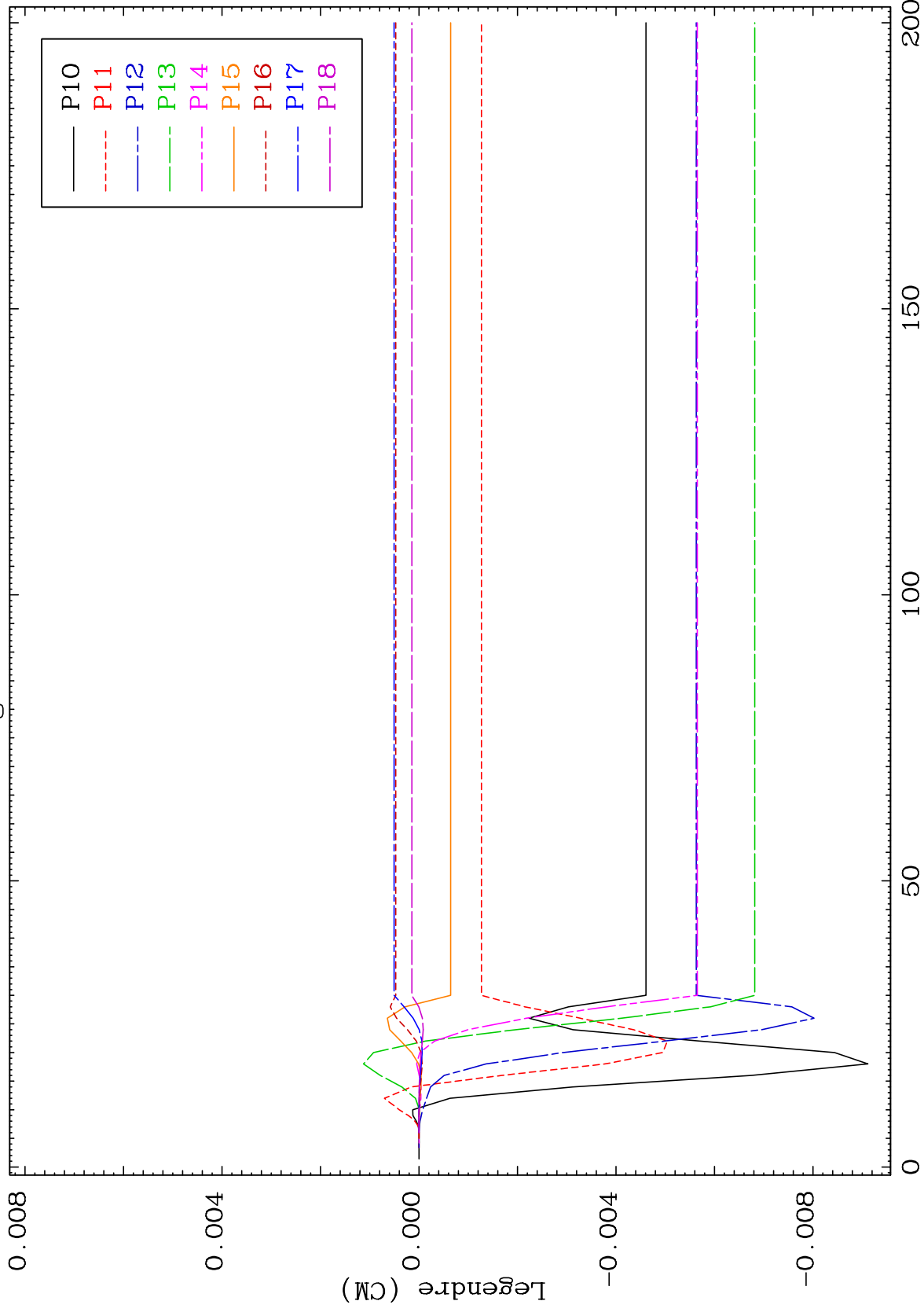
Incident Energy (MeV)

32

MAT 4143

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

41-Nb-99



33

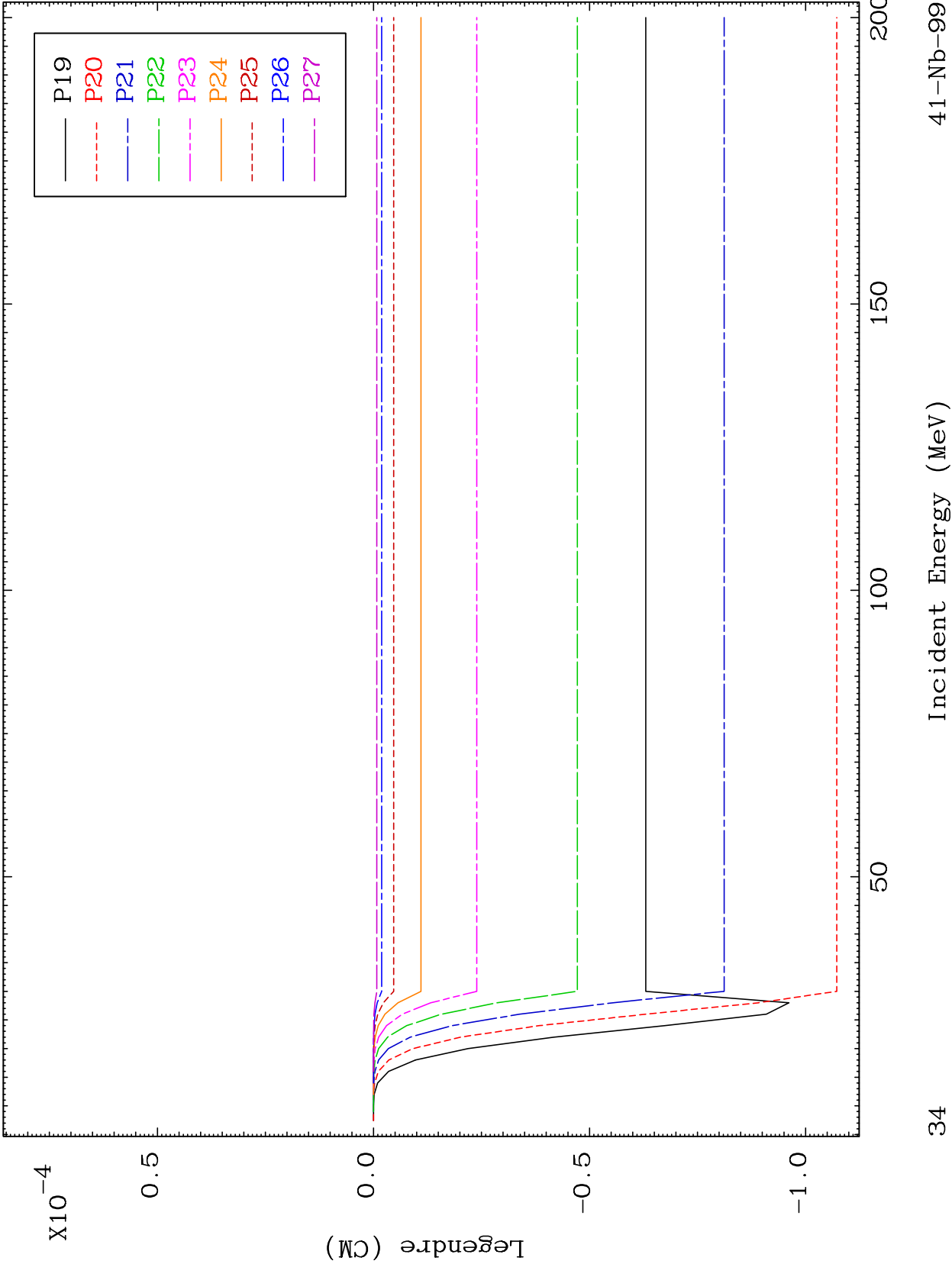
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



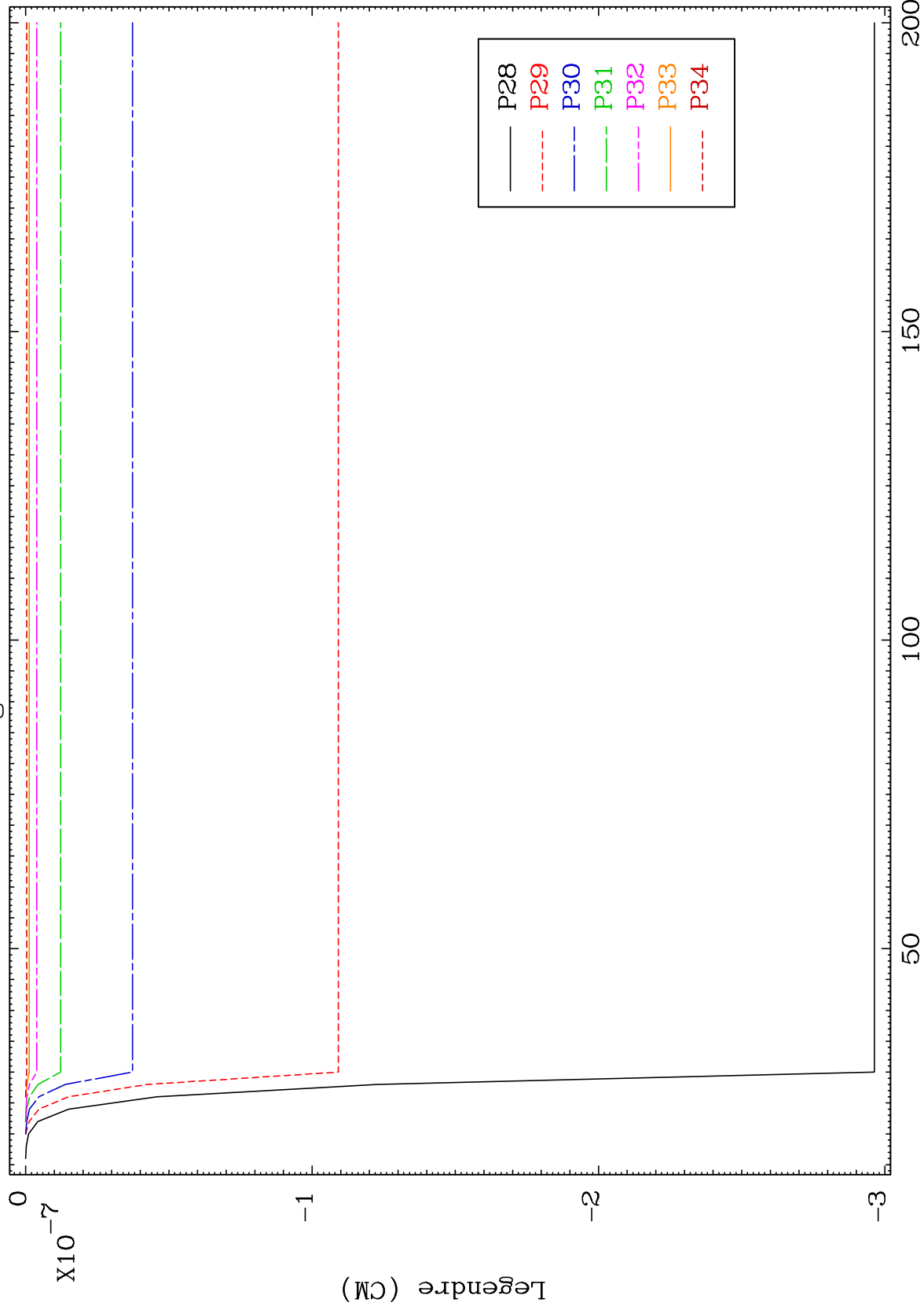
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MAT 4143

MT= 54 (n,n') Level

41-Nb-99

Legendre Coefficients



35

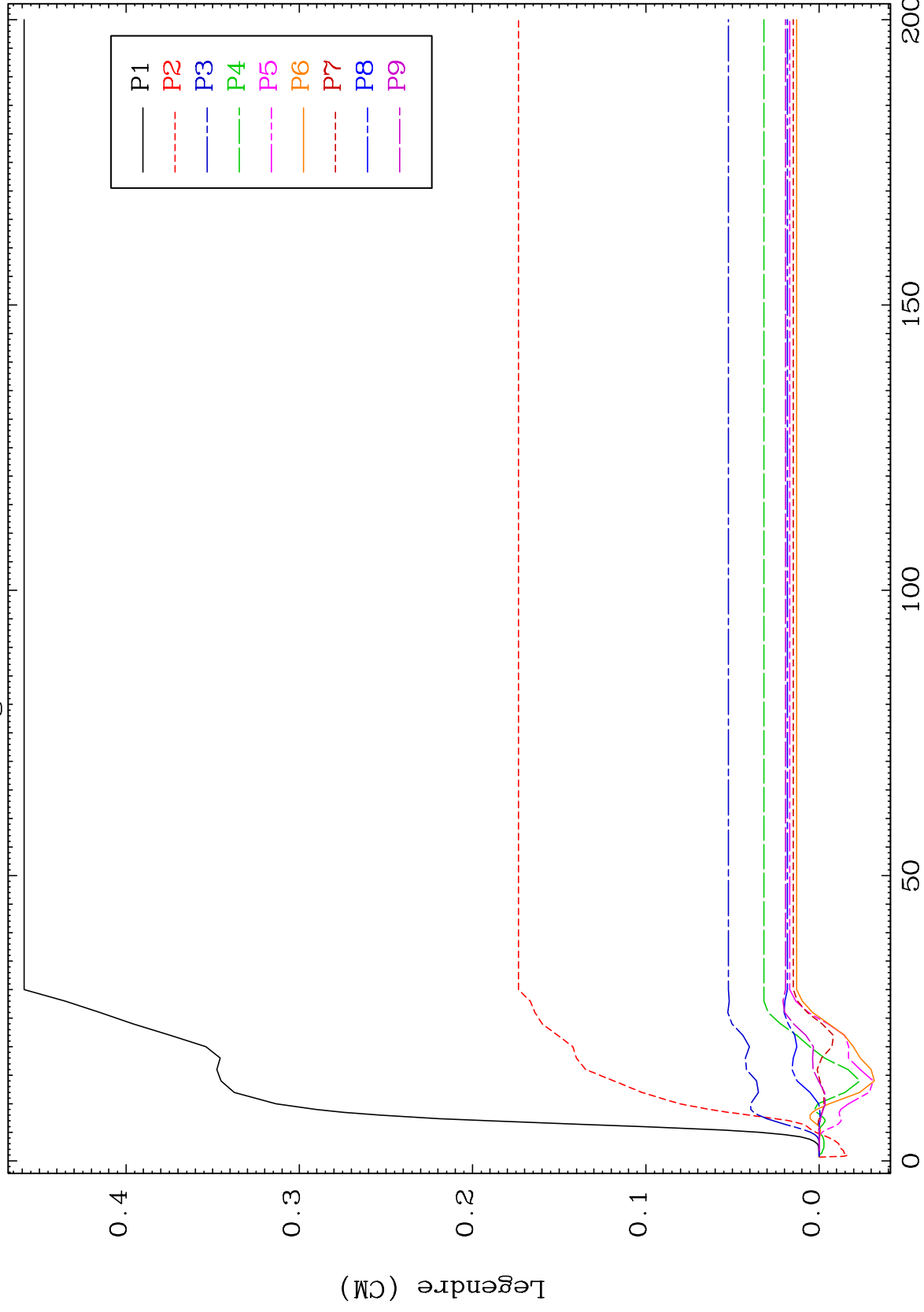
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



36

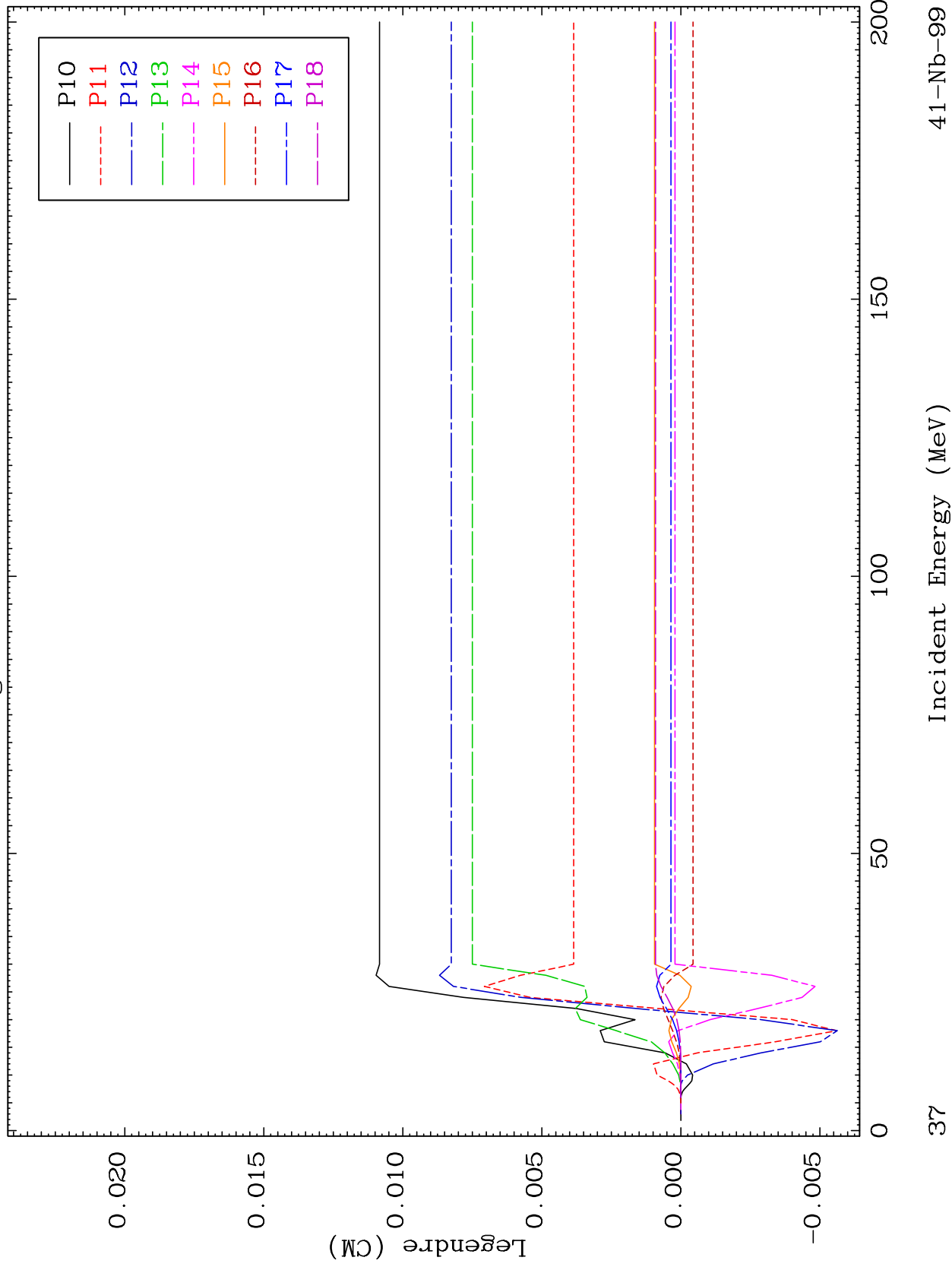
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



37

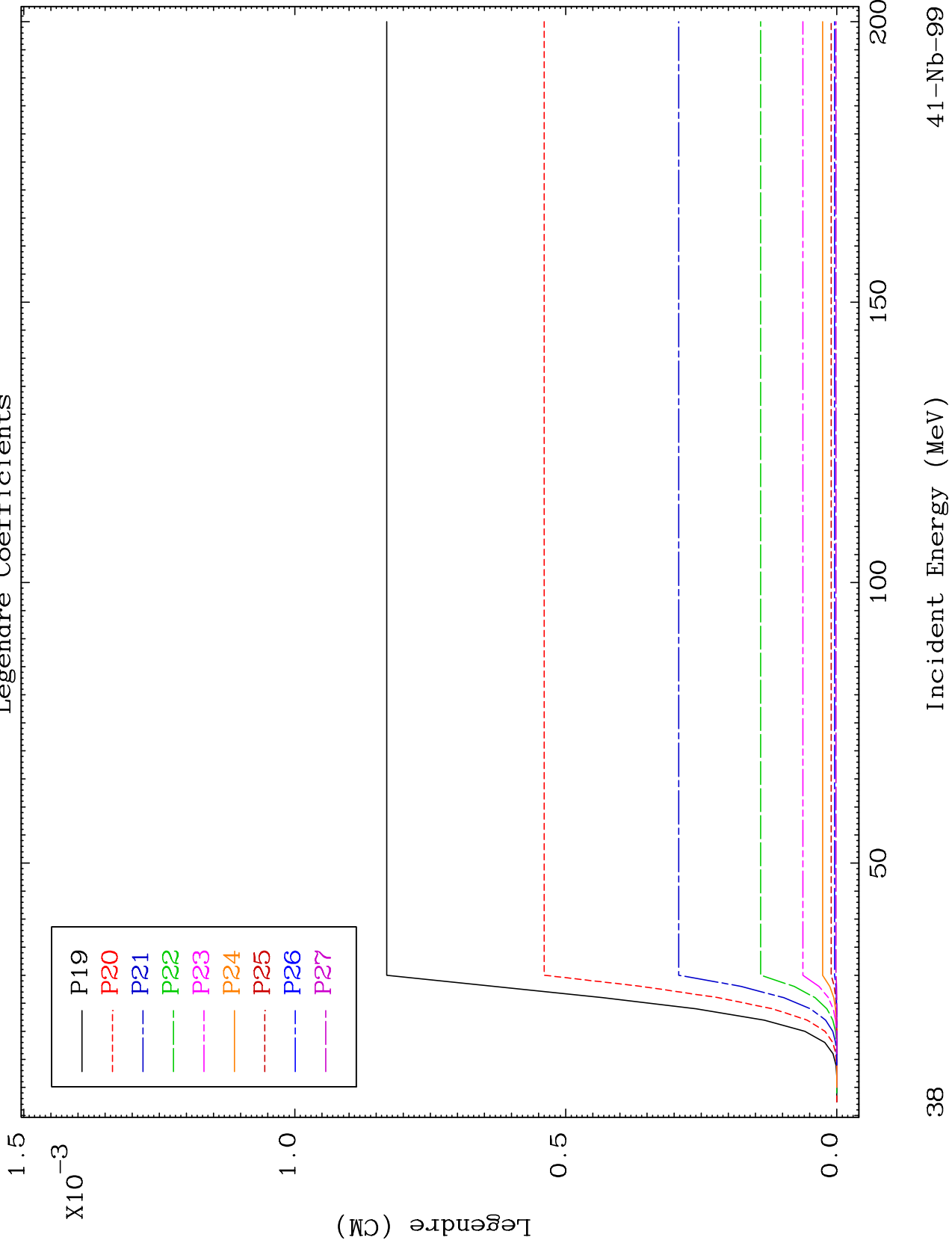
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



38

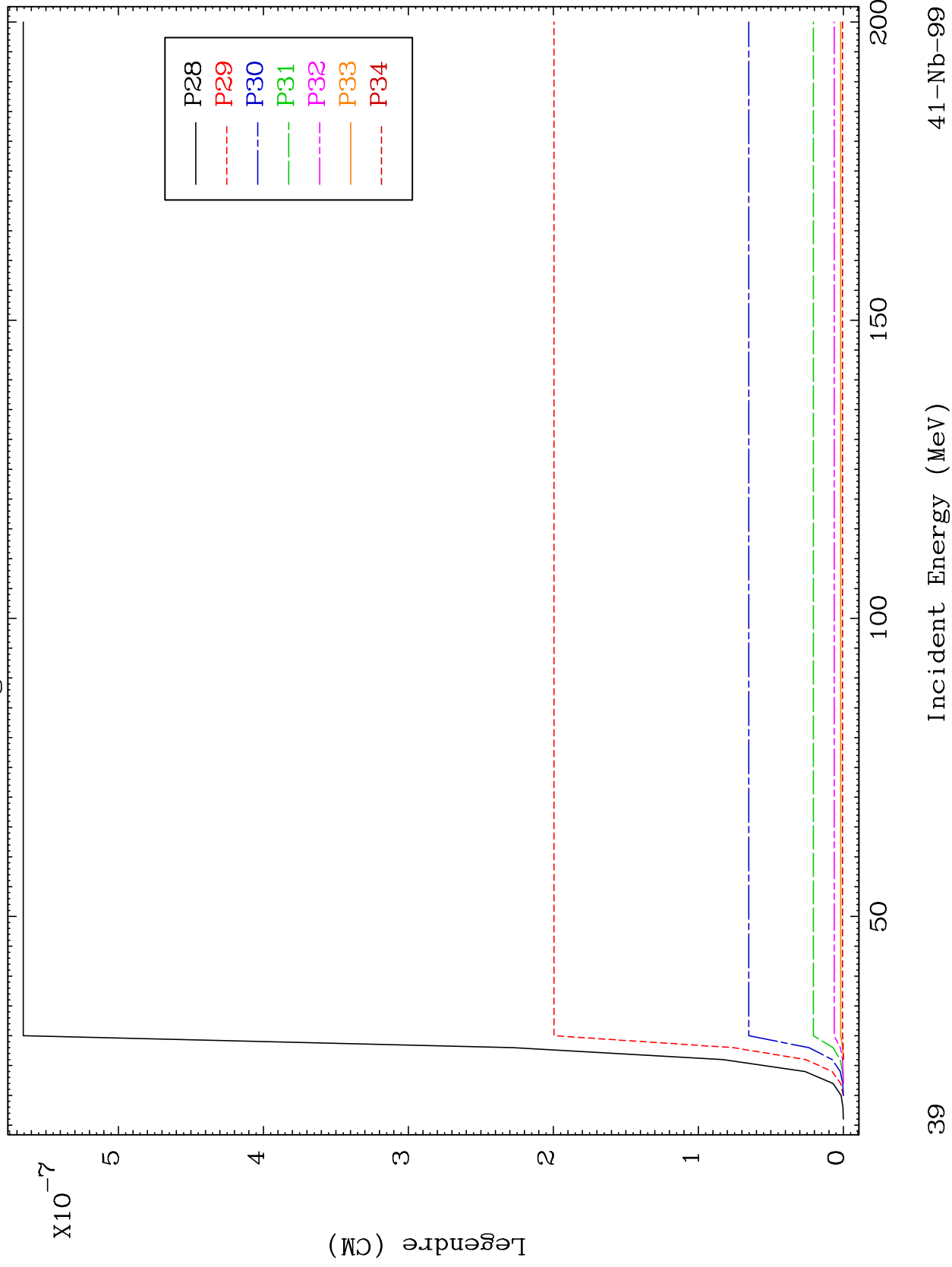
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99

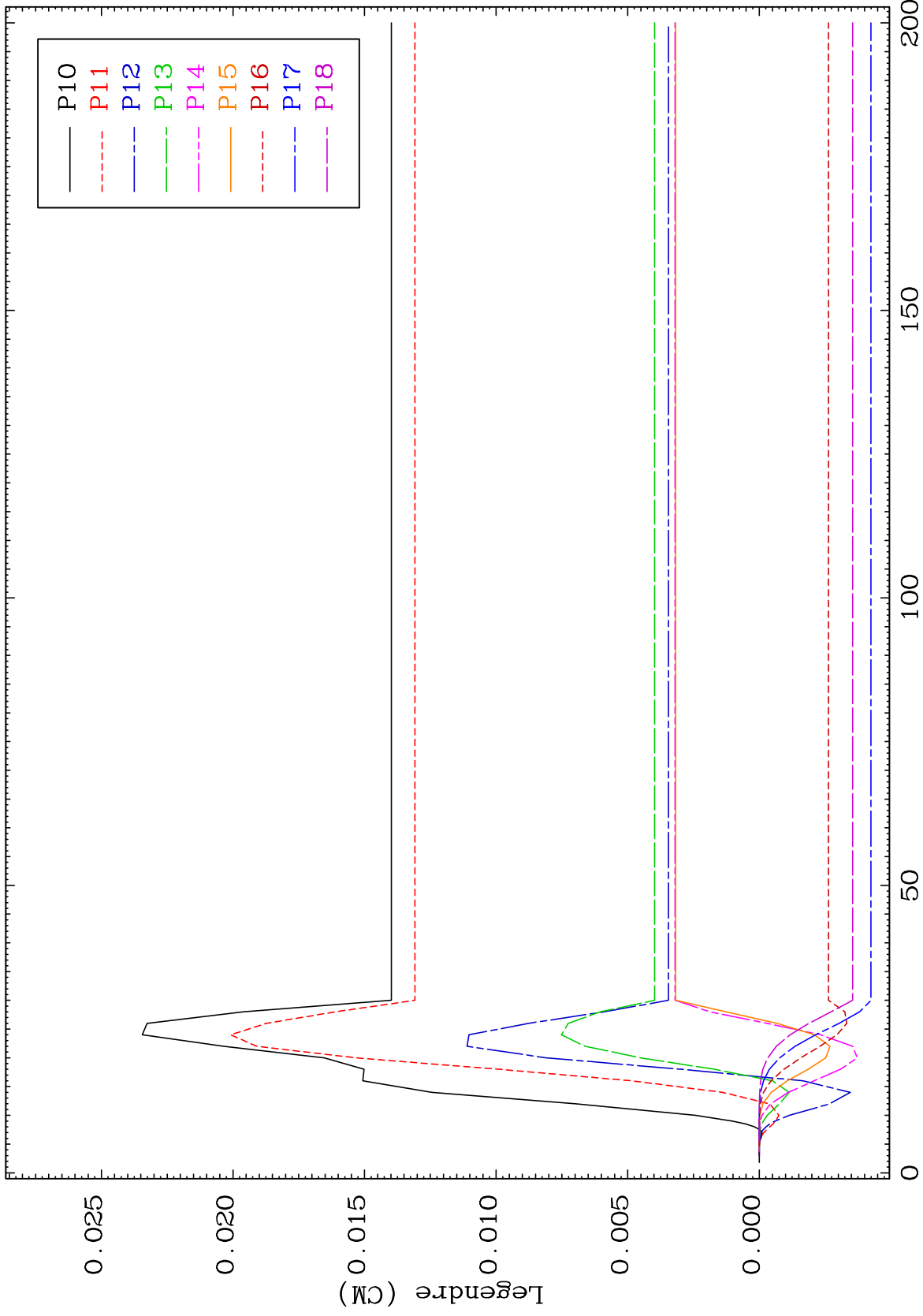


39

MAT 4143

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

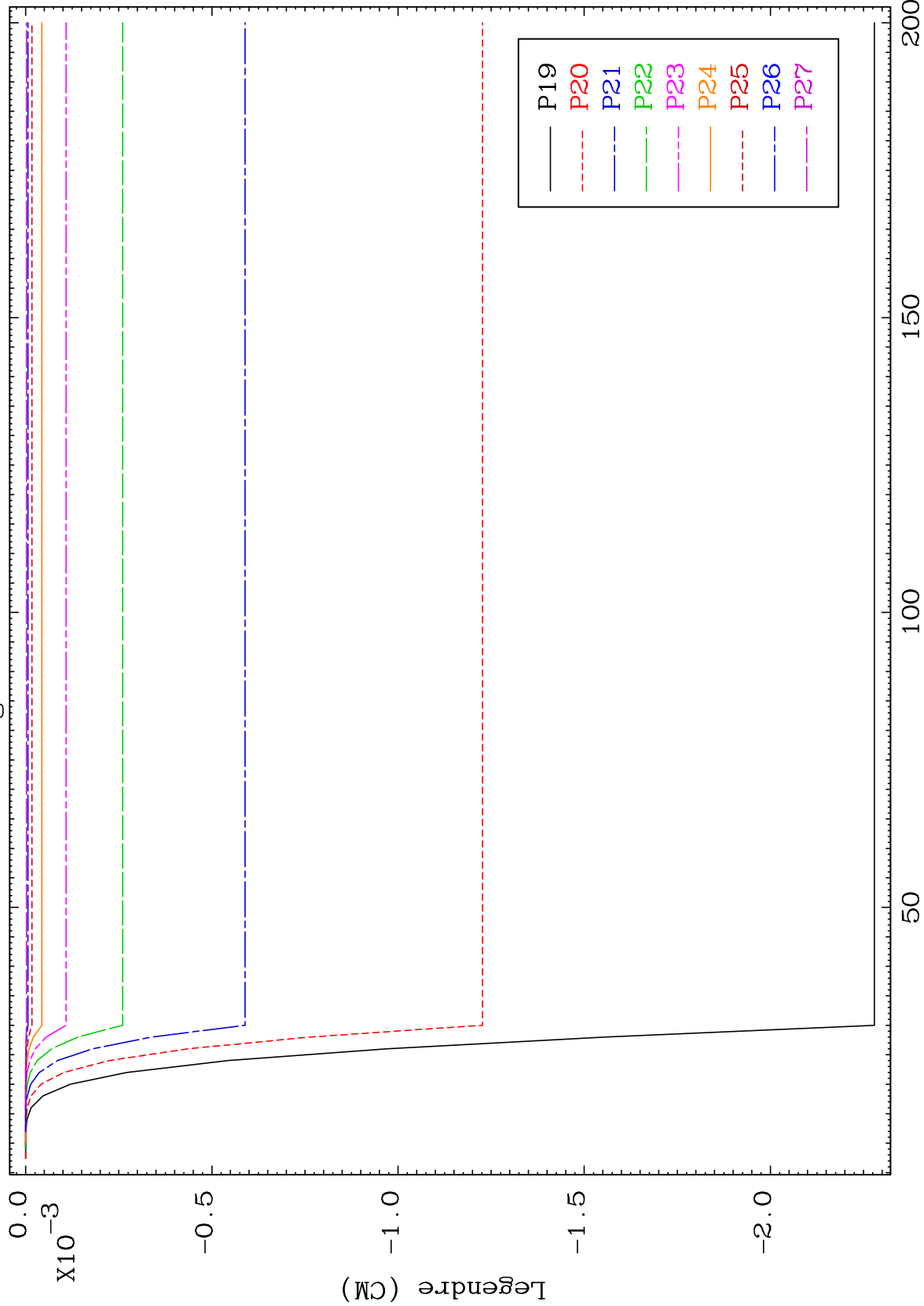
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41

Incident Energy (MeV)

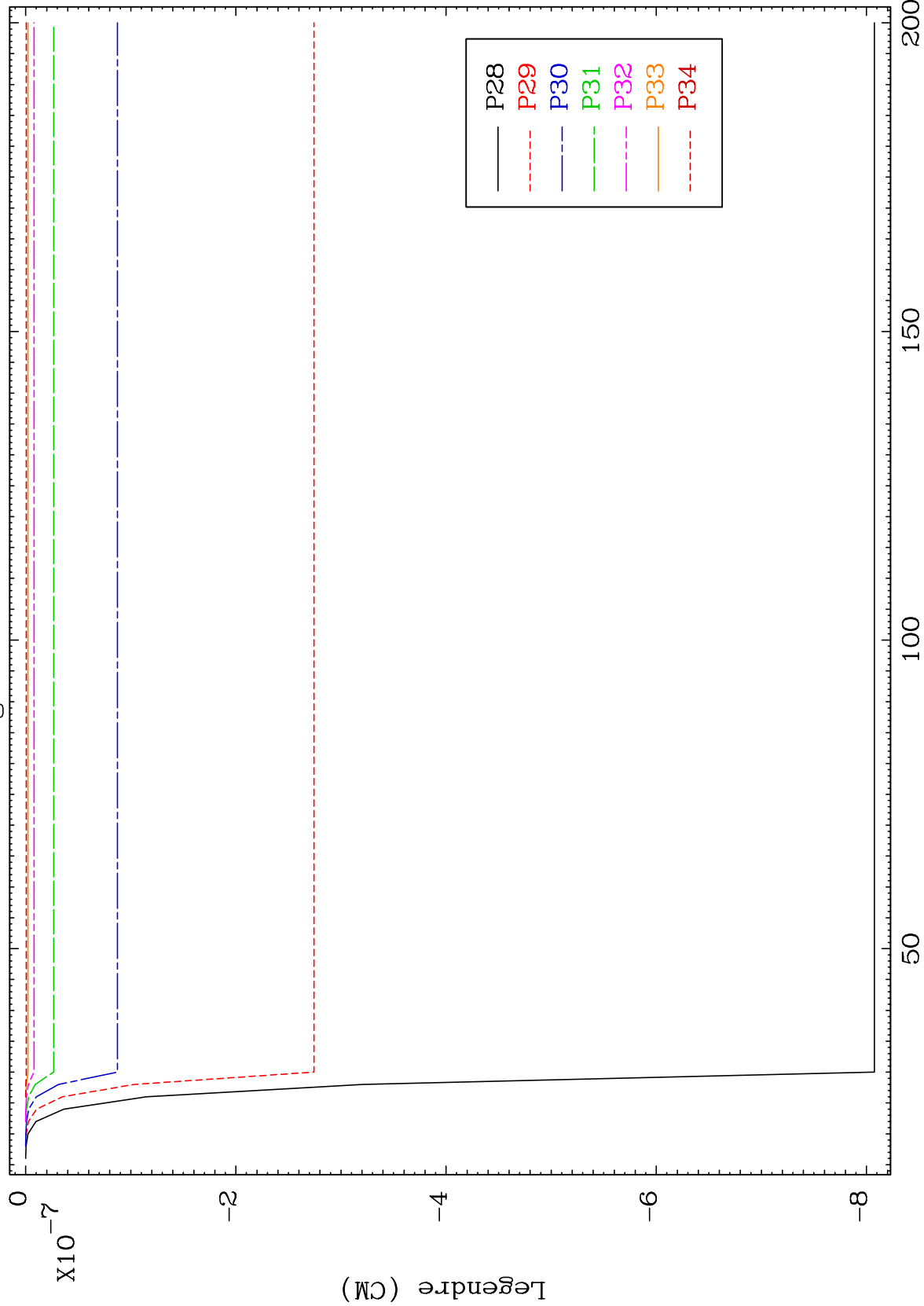
41-Nb-99



MAT 4143

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

41-Nb-99



43

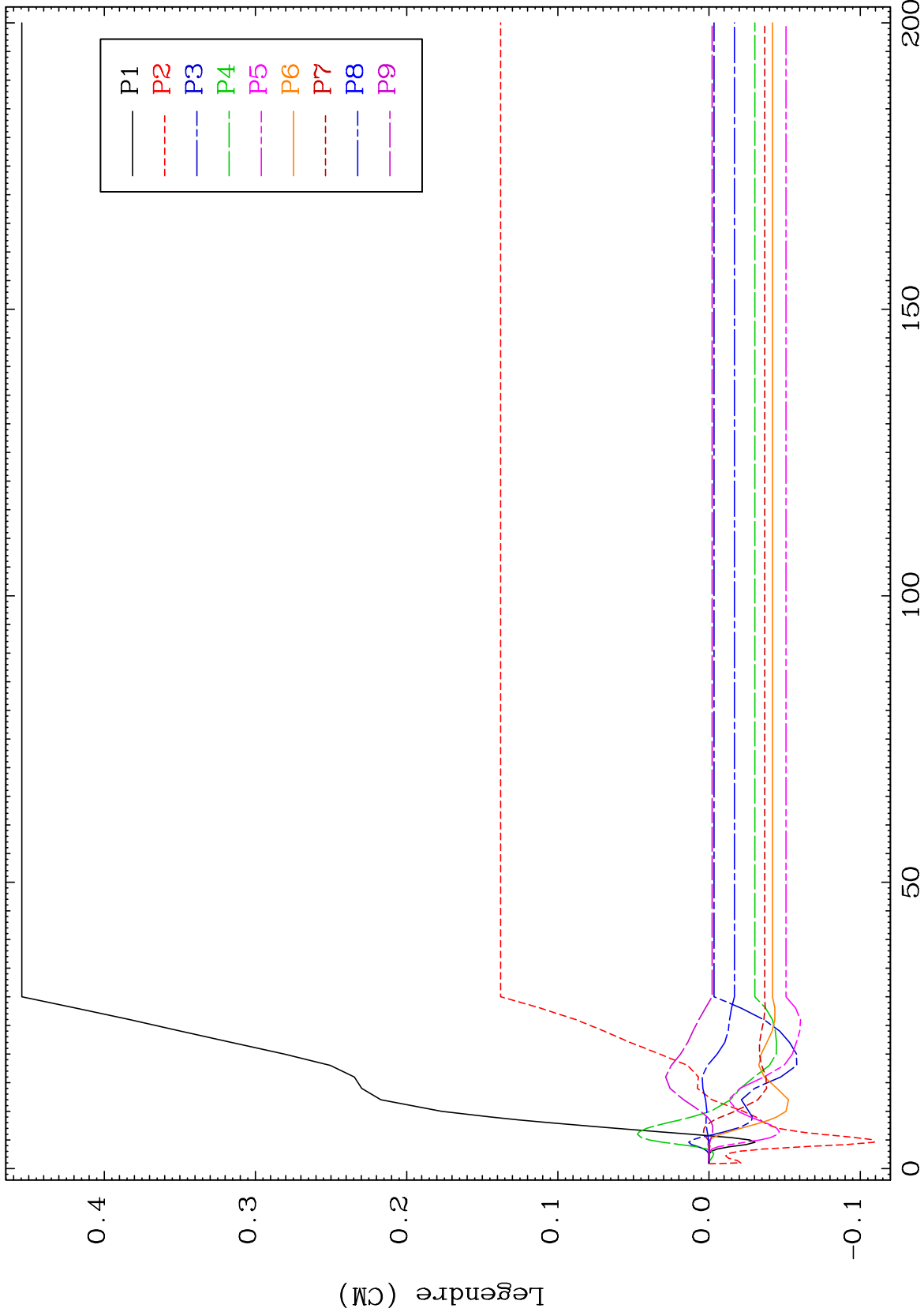
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



41-Nb-99

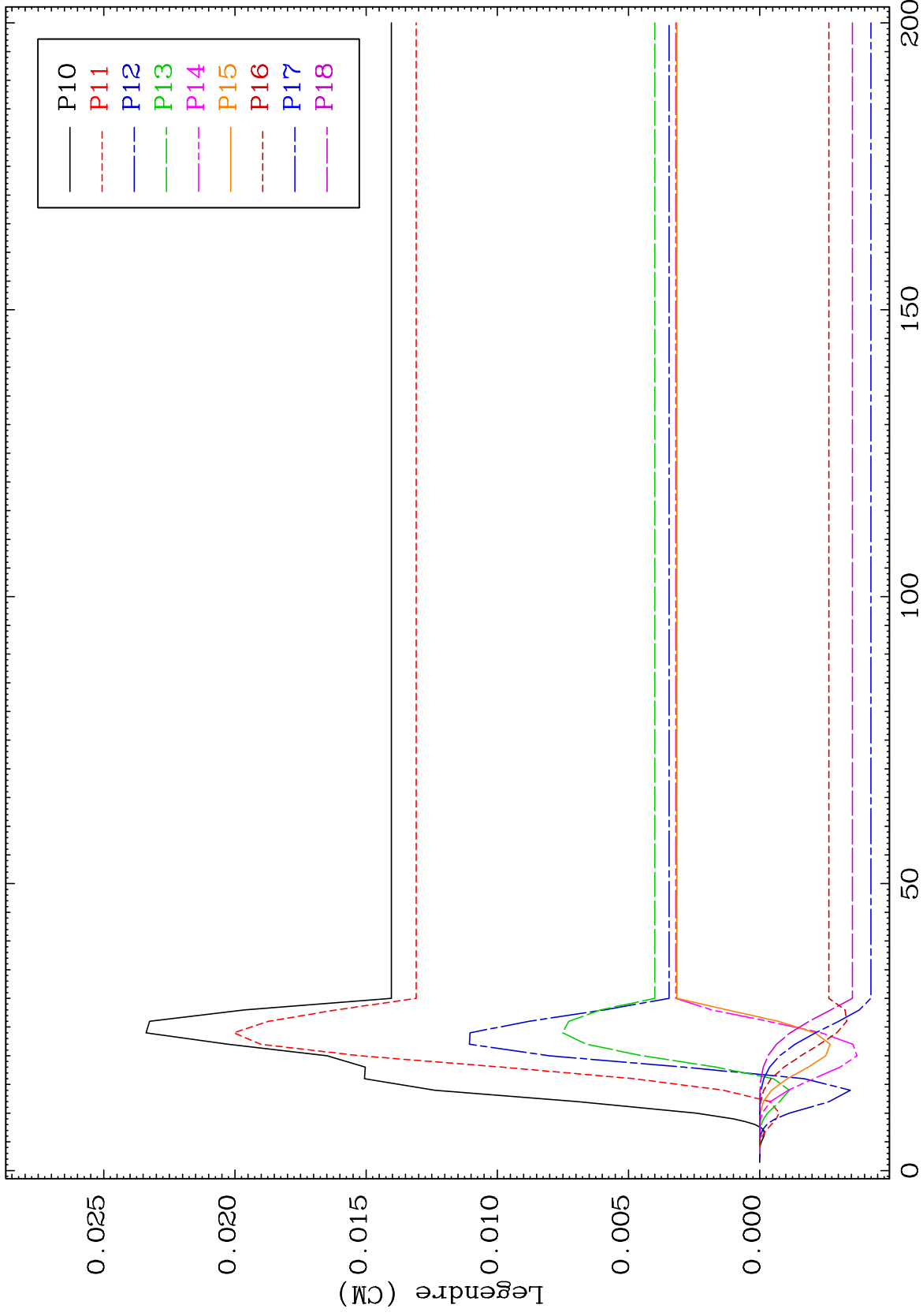
Incident Energy (MeV)

44

MAT 4143

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

41-Nb-99



45

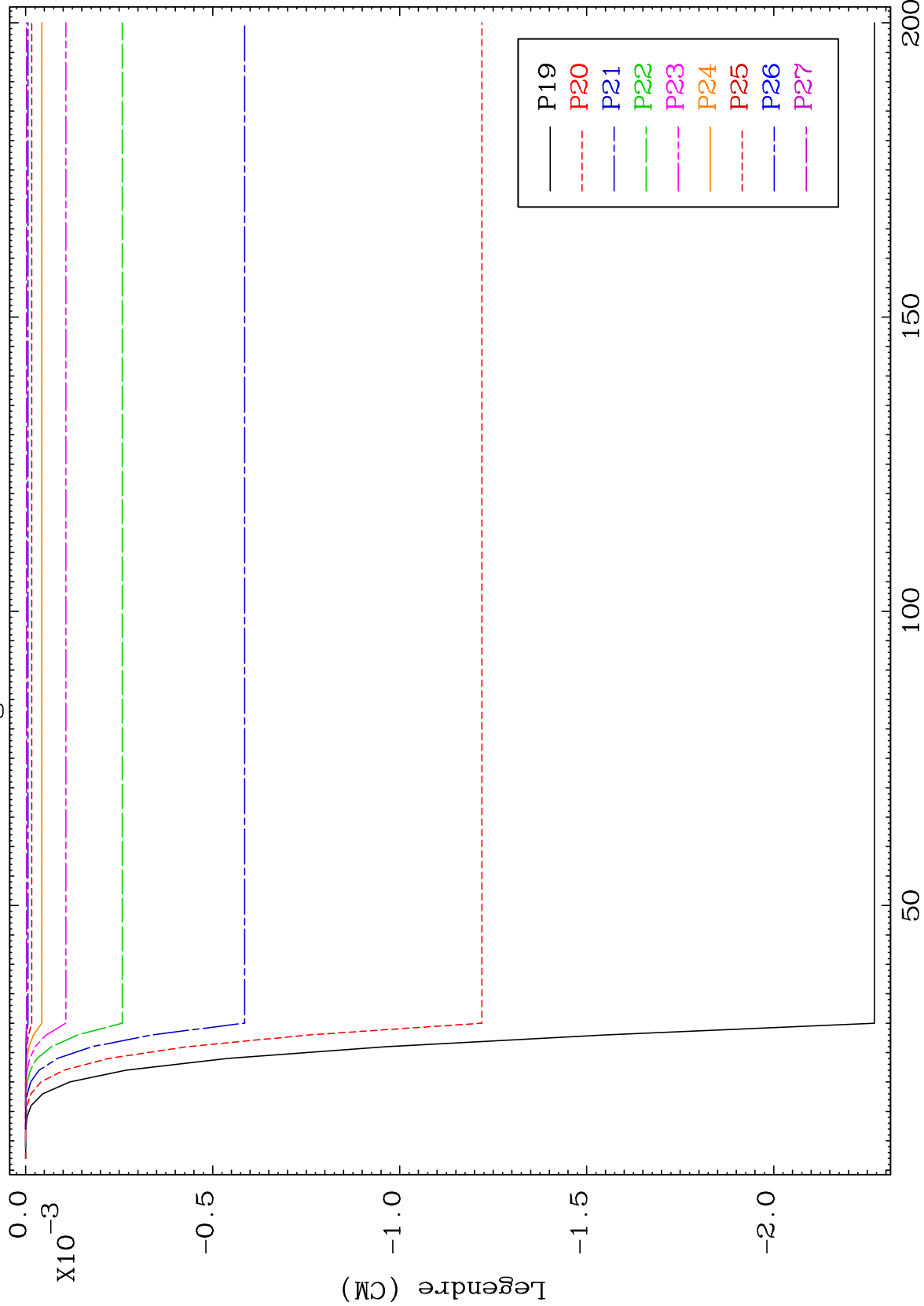
Incident Energy (MeV)

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MAT 4143

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

41-Nb-99



41-Nb-99

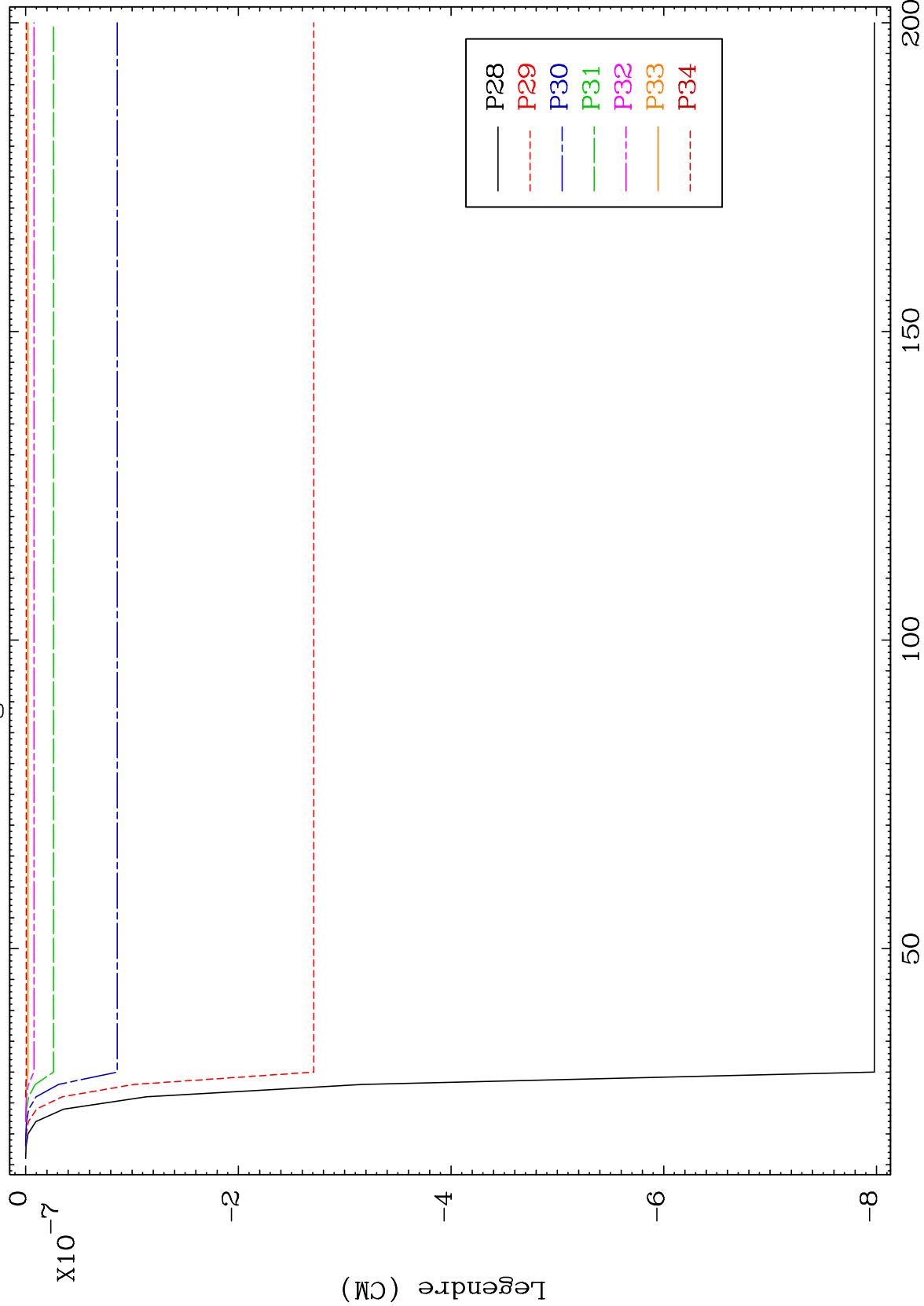
Incident Energy (MeV)

46

MAT 4143

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

41-Nb-99



47

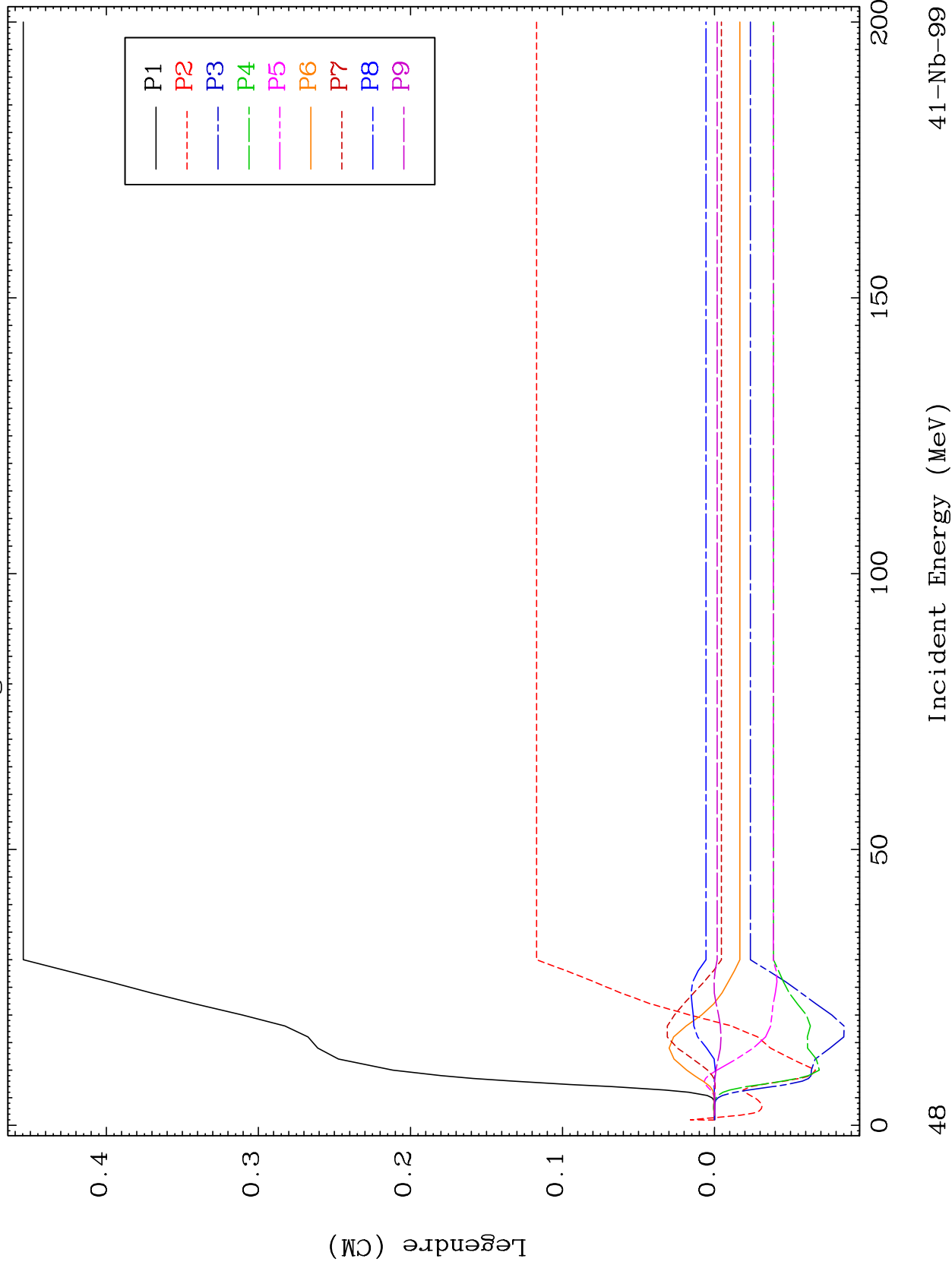
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

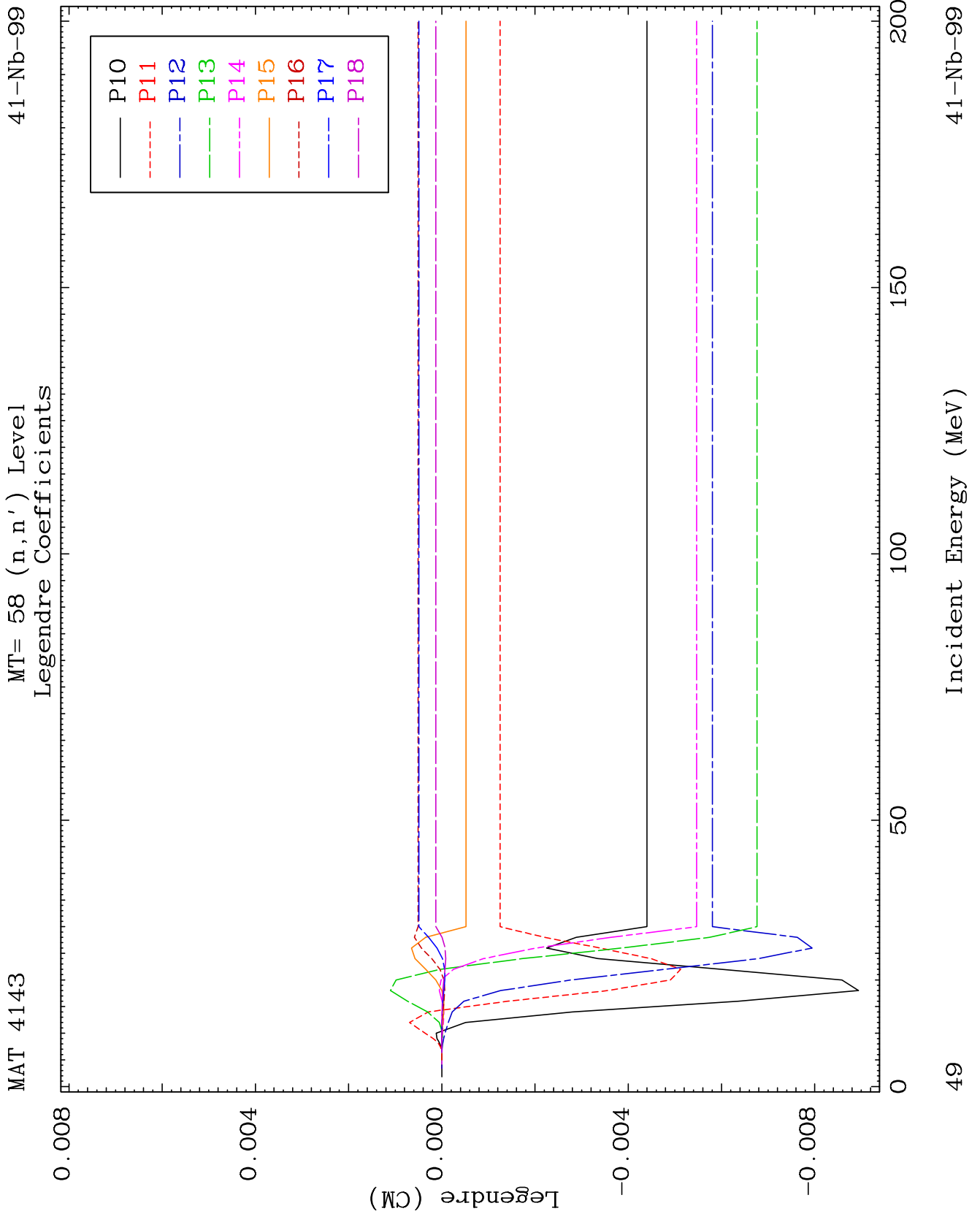
41-Nb-99



41-Nb-99

Incident Energy (MeV)

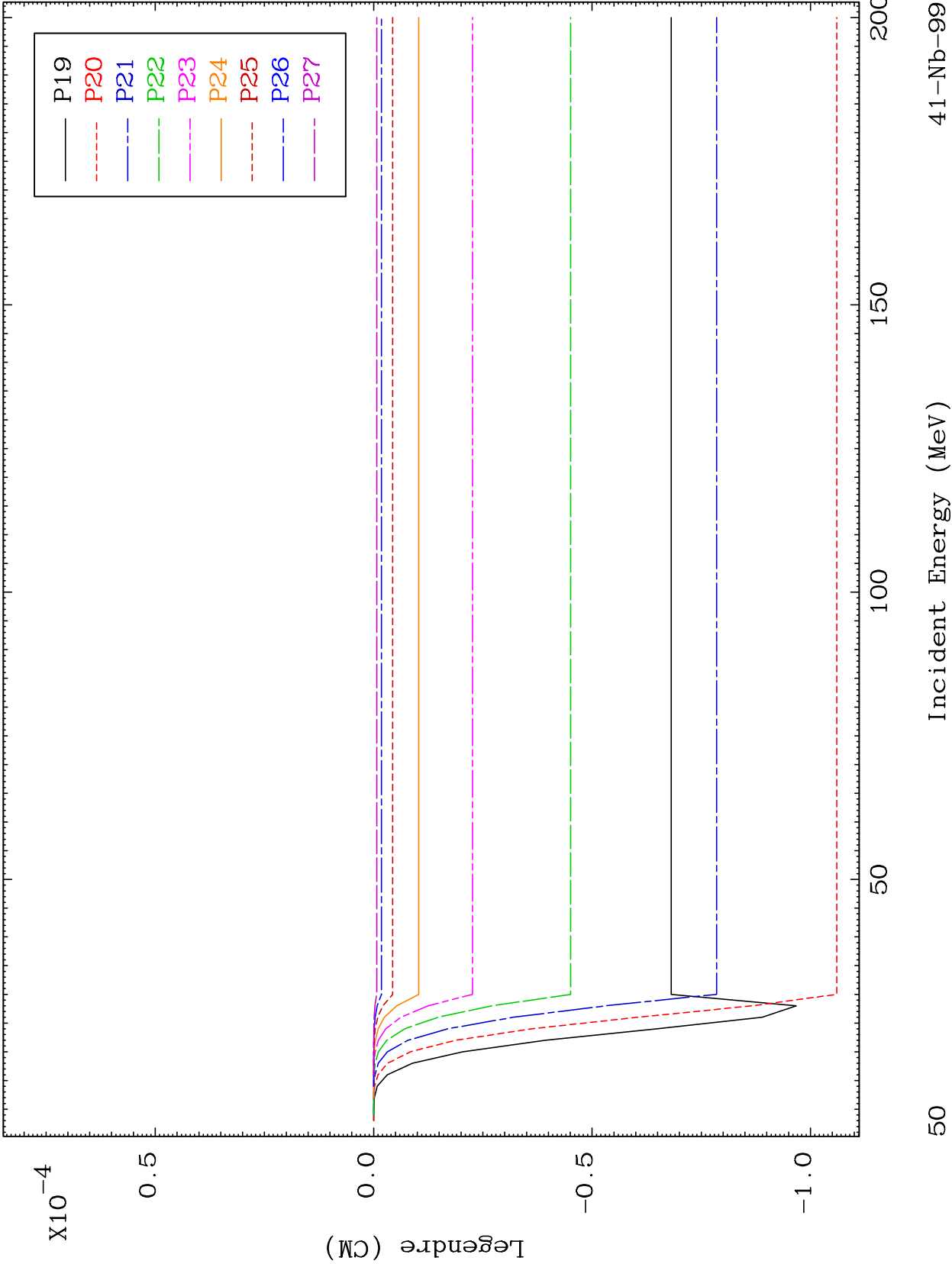
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MAT 4143

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

41-Nb-99



41-Nb-99

Incident Energy (MeV)

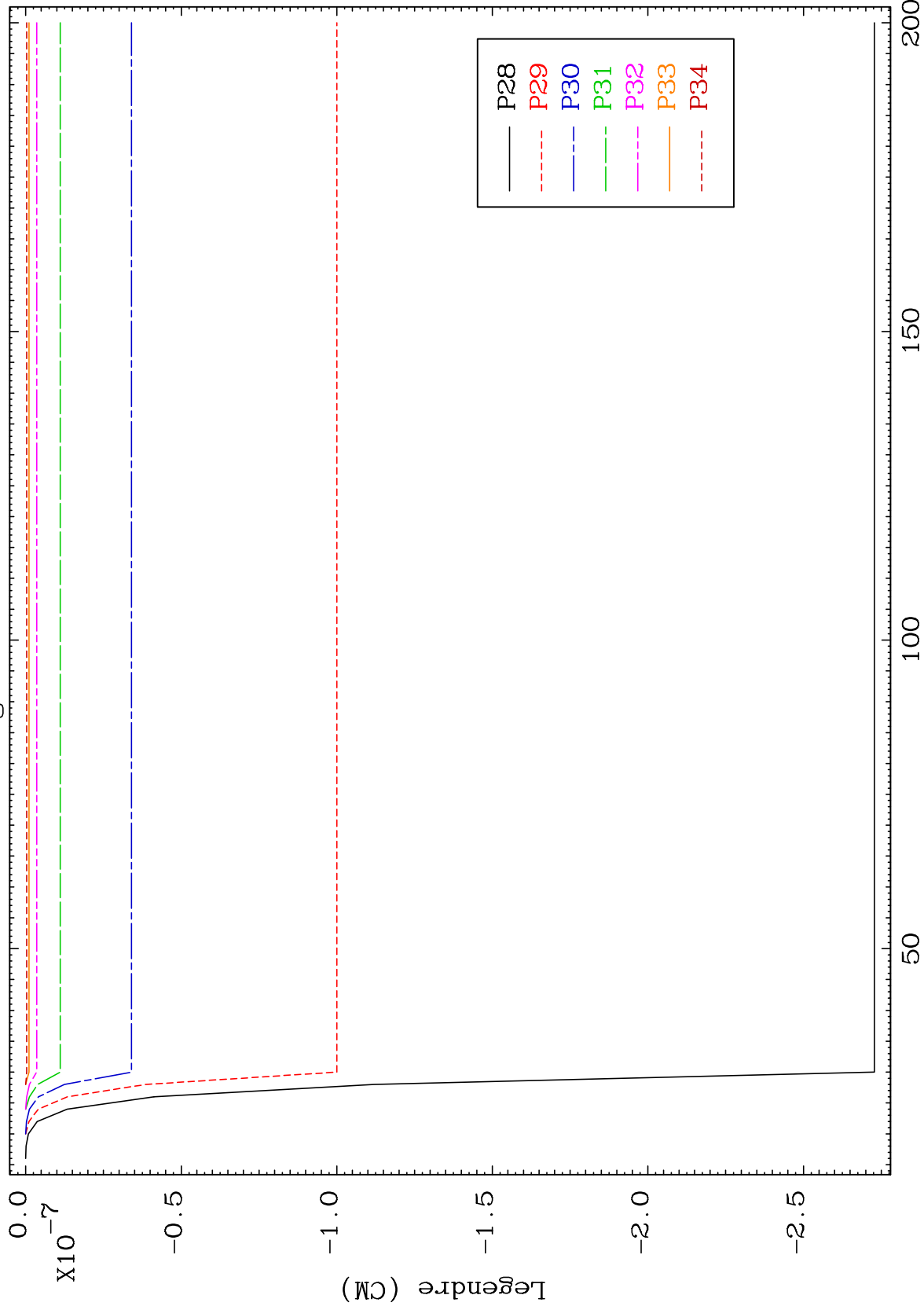
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MAT 4143

MT= 58 (n,n') Level

41-Nb-99

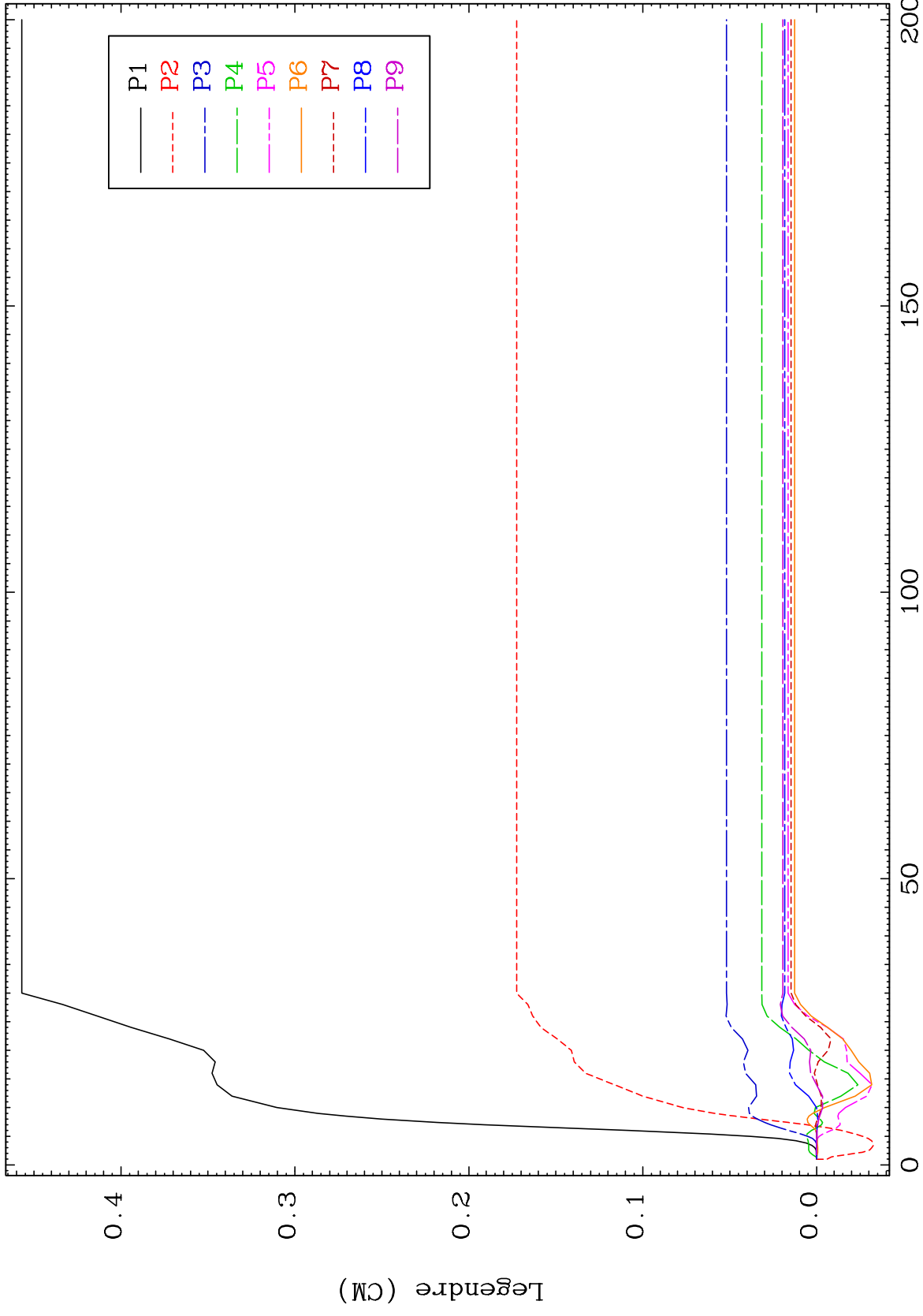
Legendre Coefficients



MAT 4143

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

41-Nb-99



52

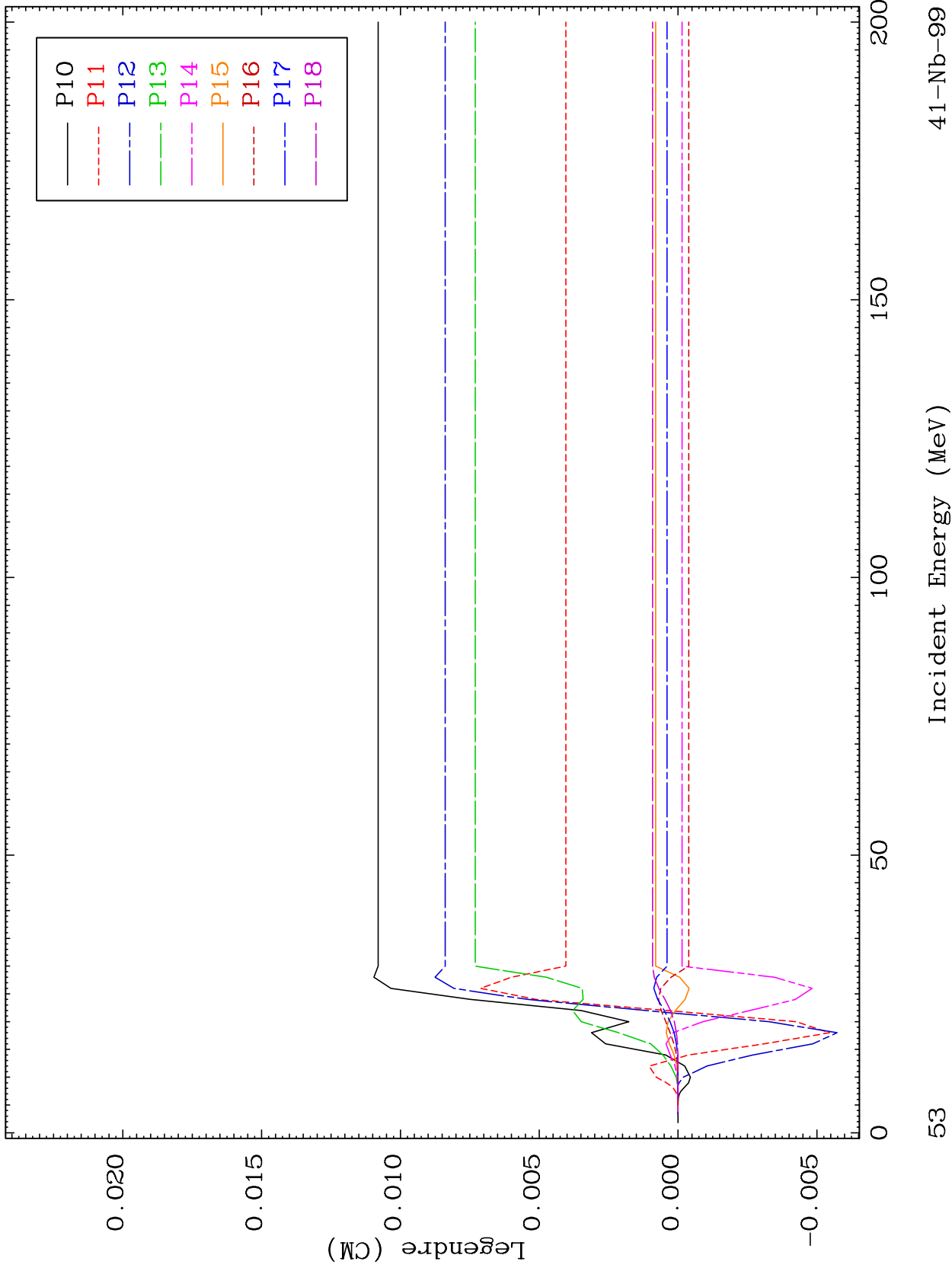
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

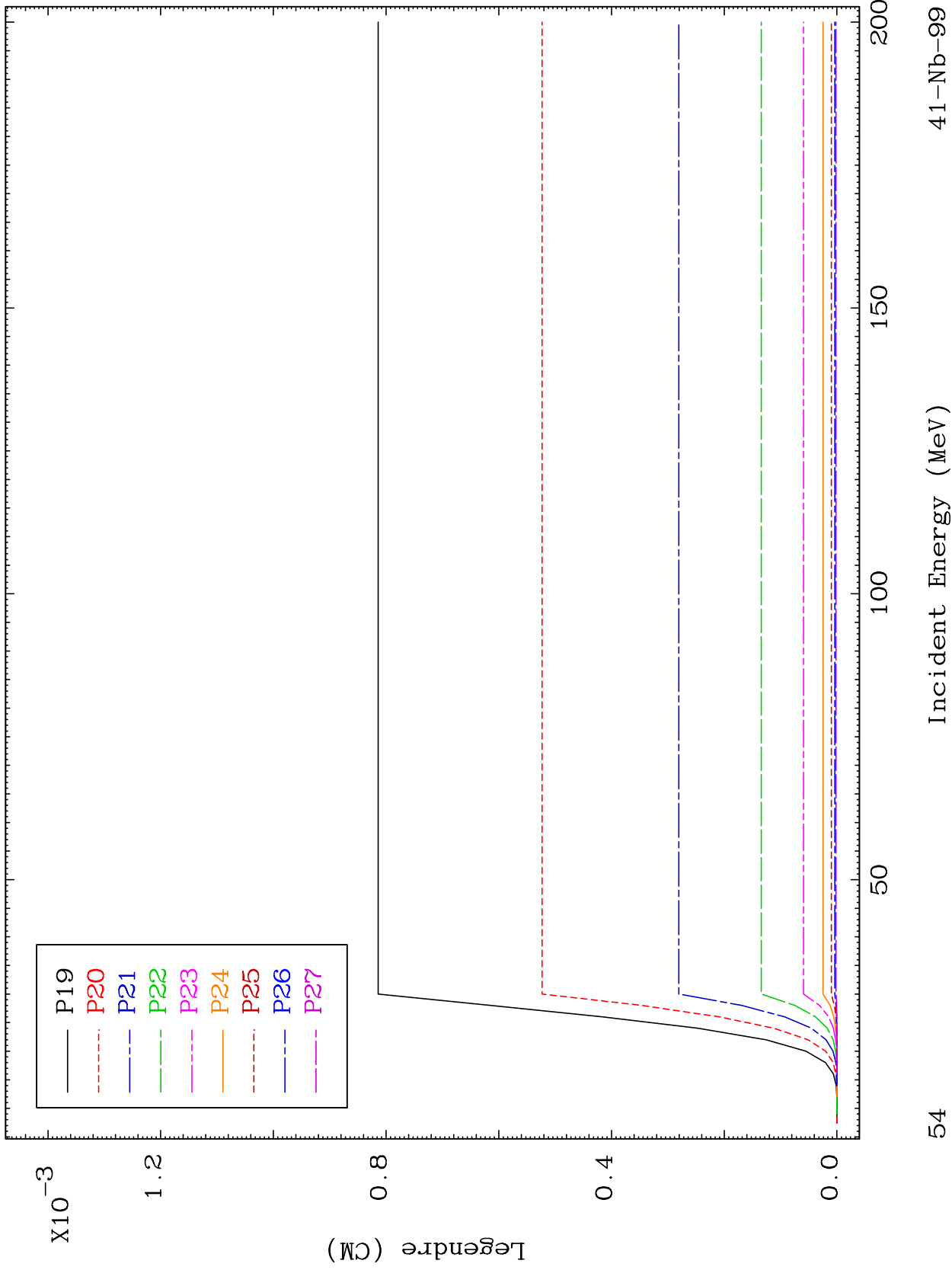
41-Nb-99



53

Incident Energy (MeV)

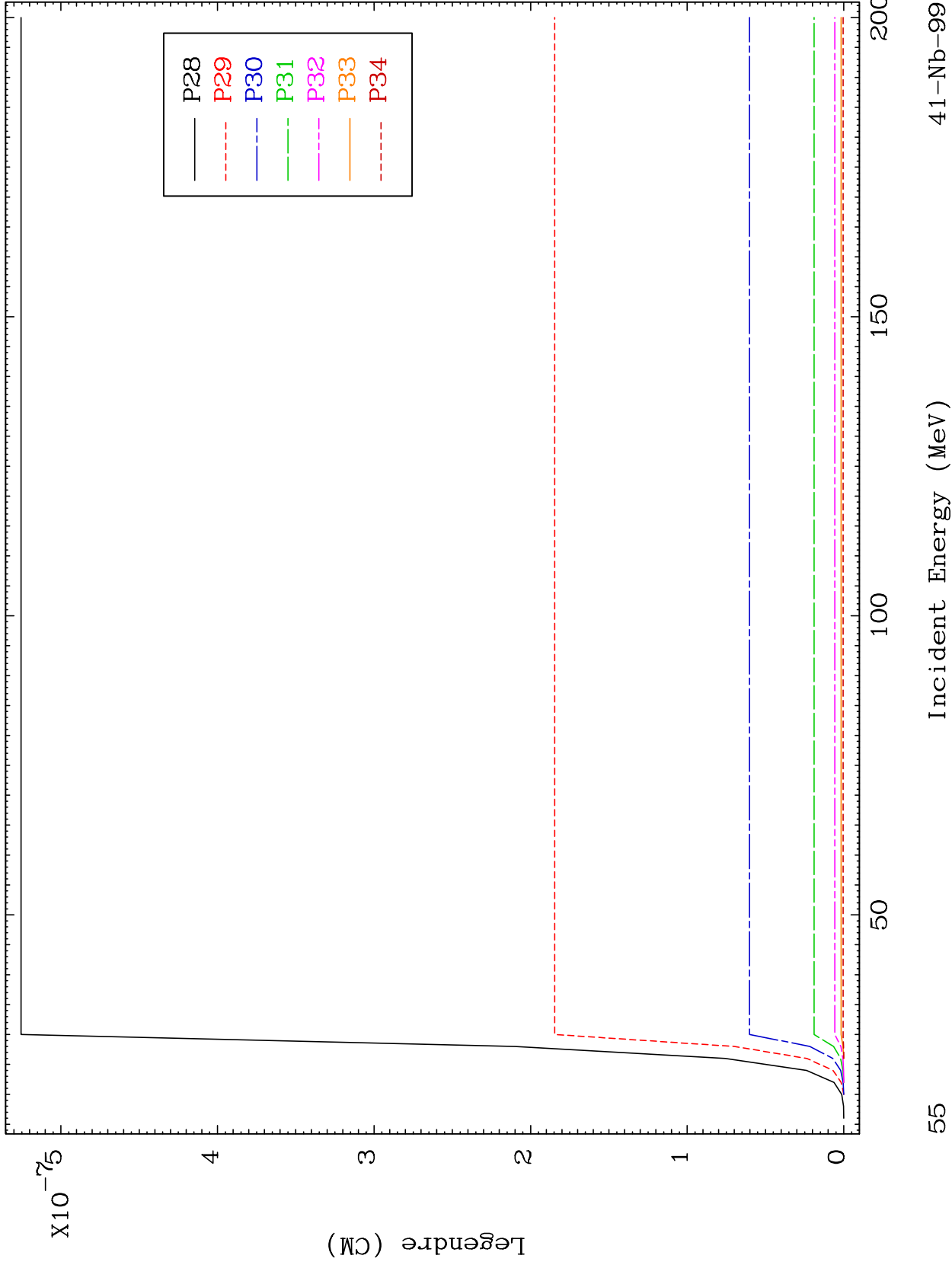
41-Nb-99



MAT 4143

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

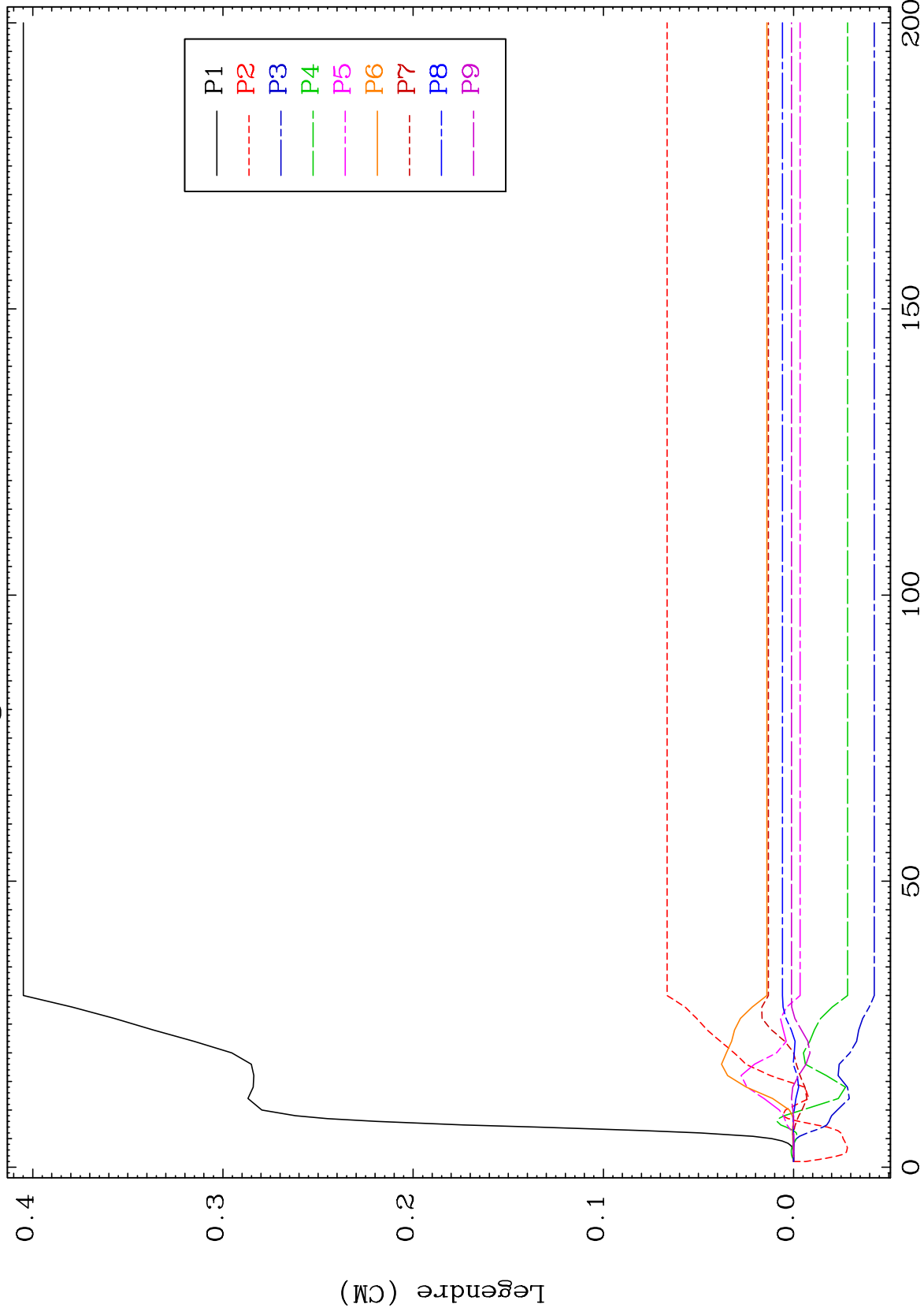
41-Nb-99



MAT 4143

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

41-Nb-99



56

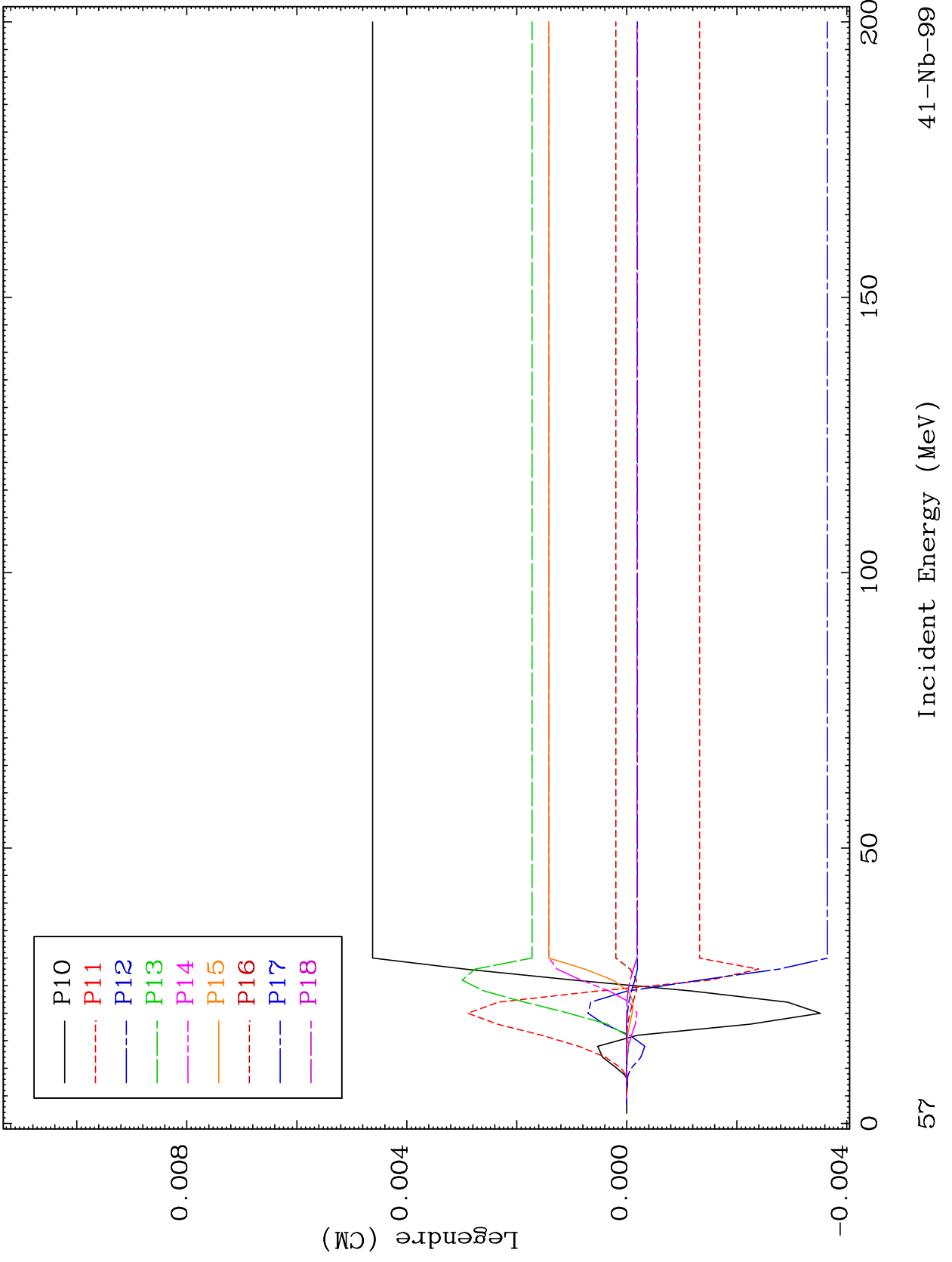
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



57

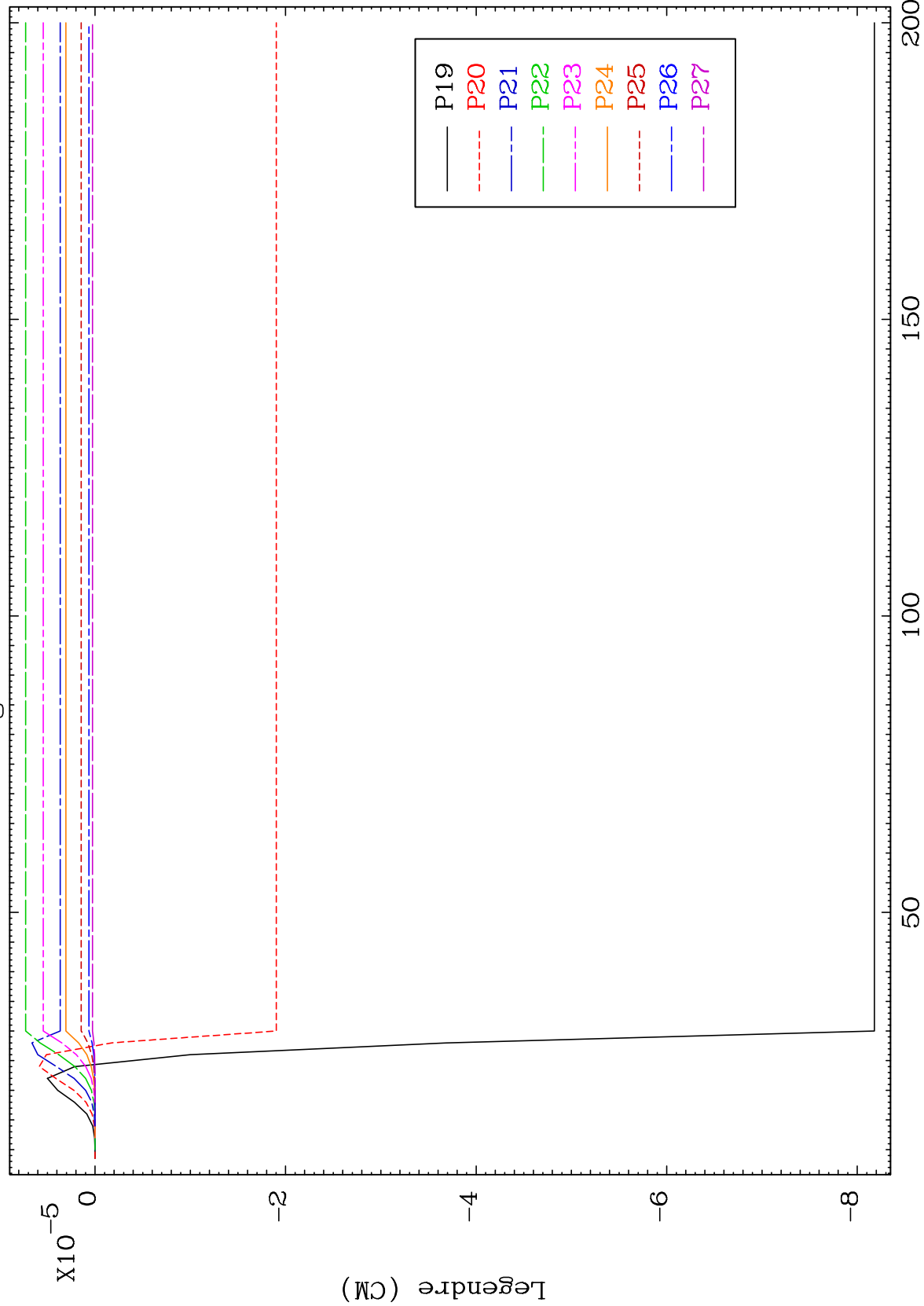
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



58

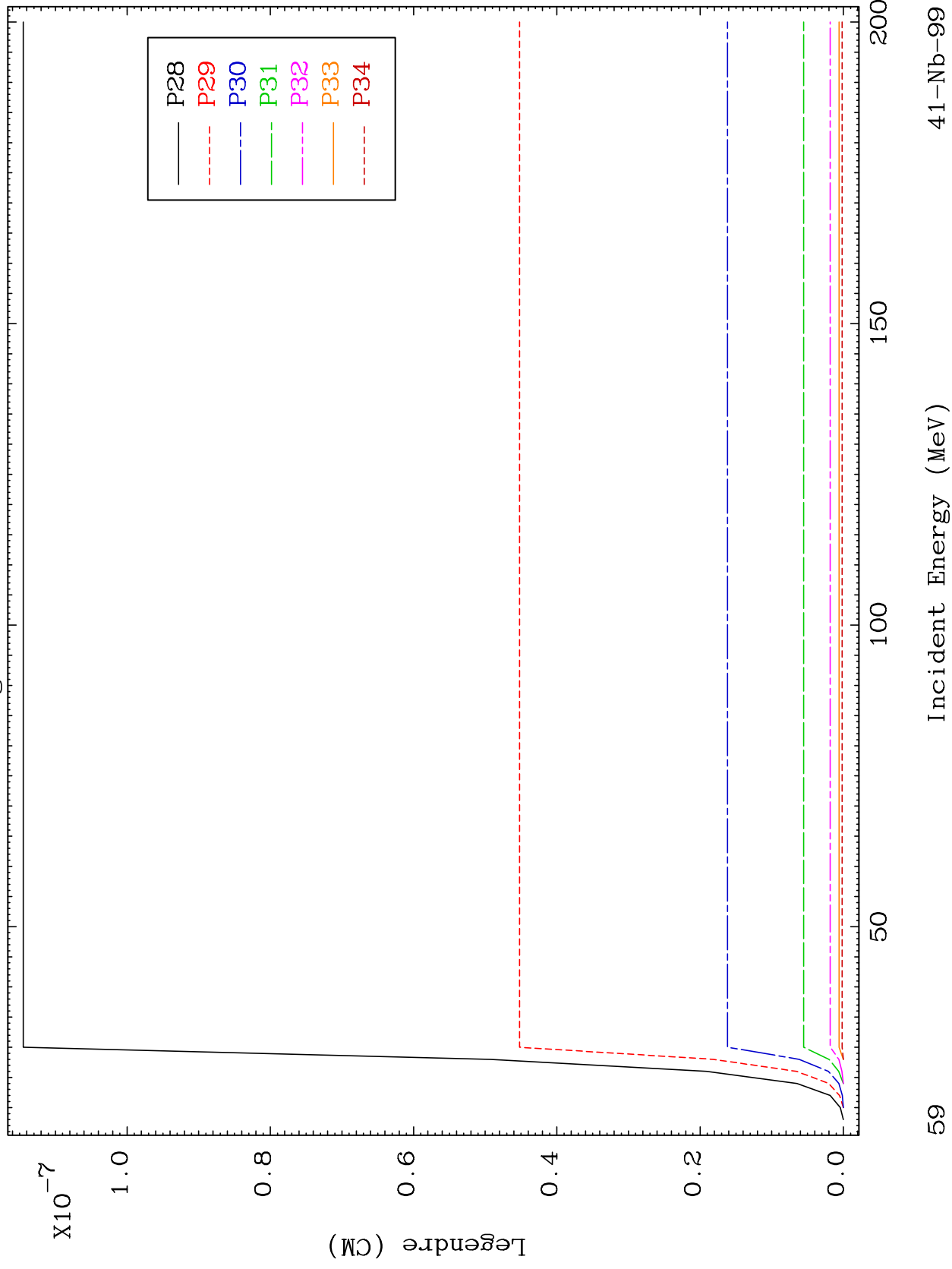
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99

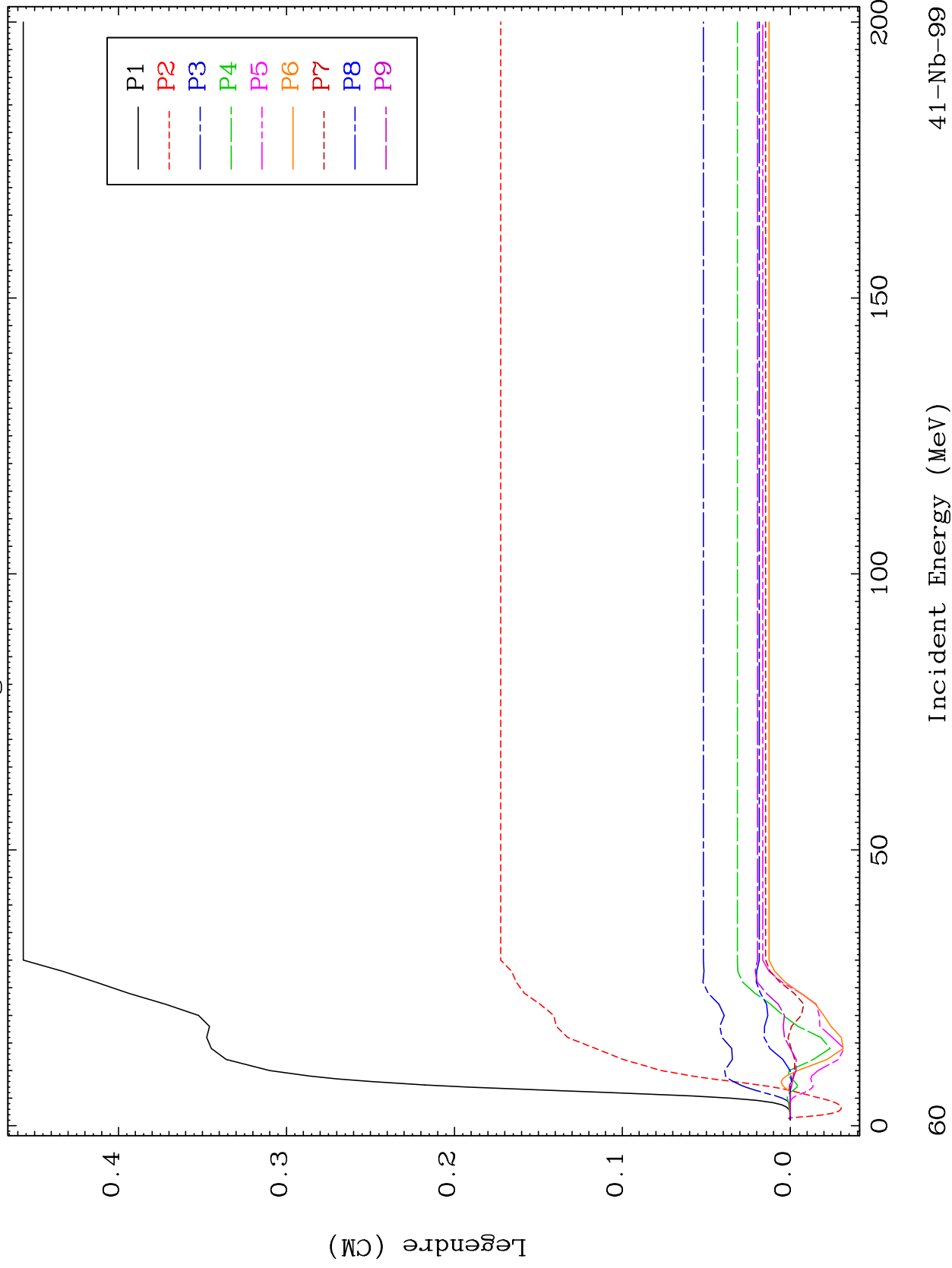


59

MAT 4143

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

41-Nb-99

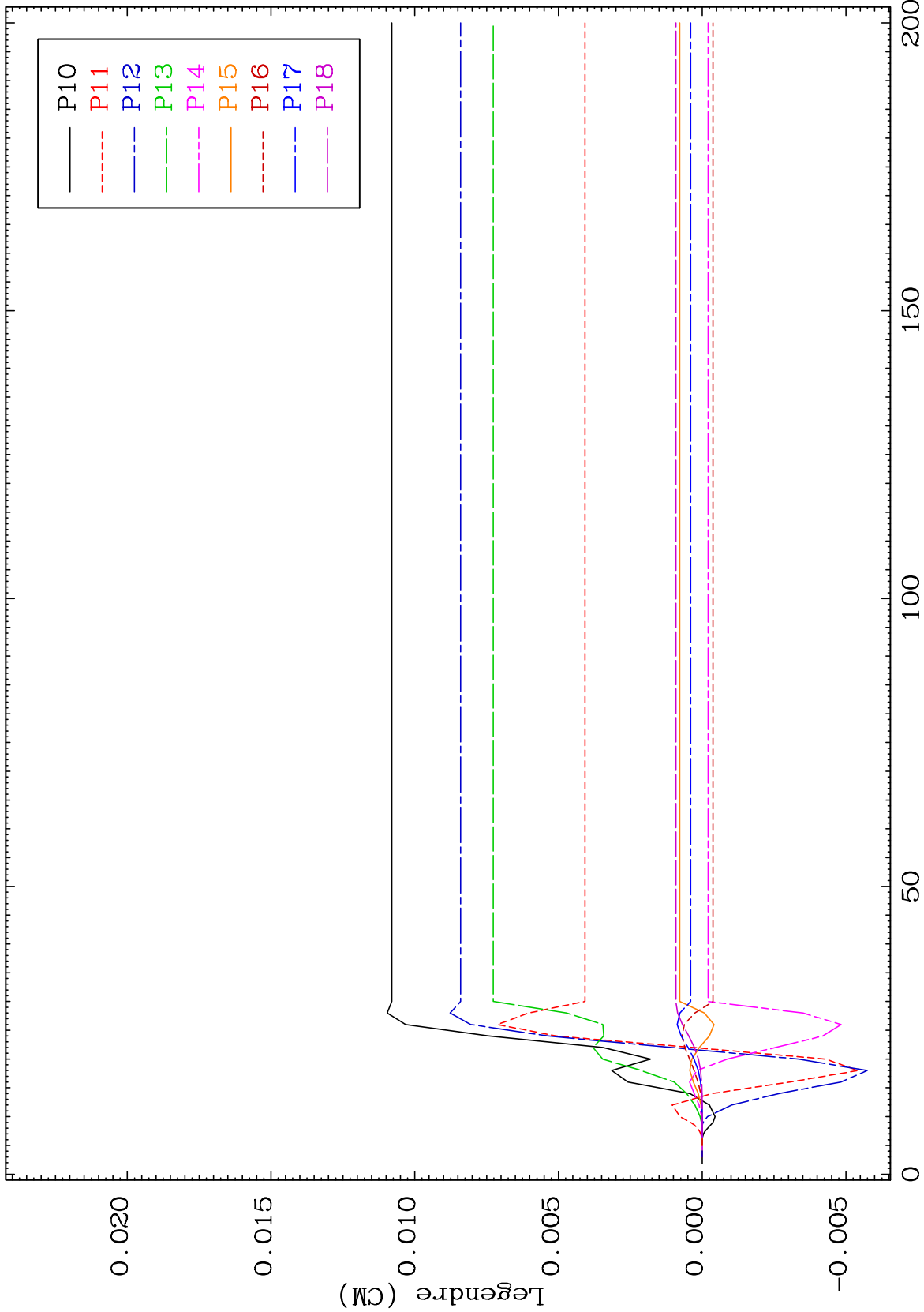


41-Nb-99

MAT 4143

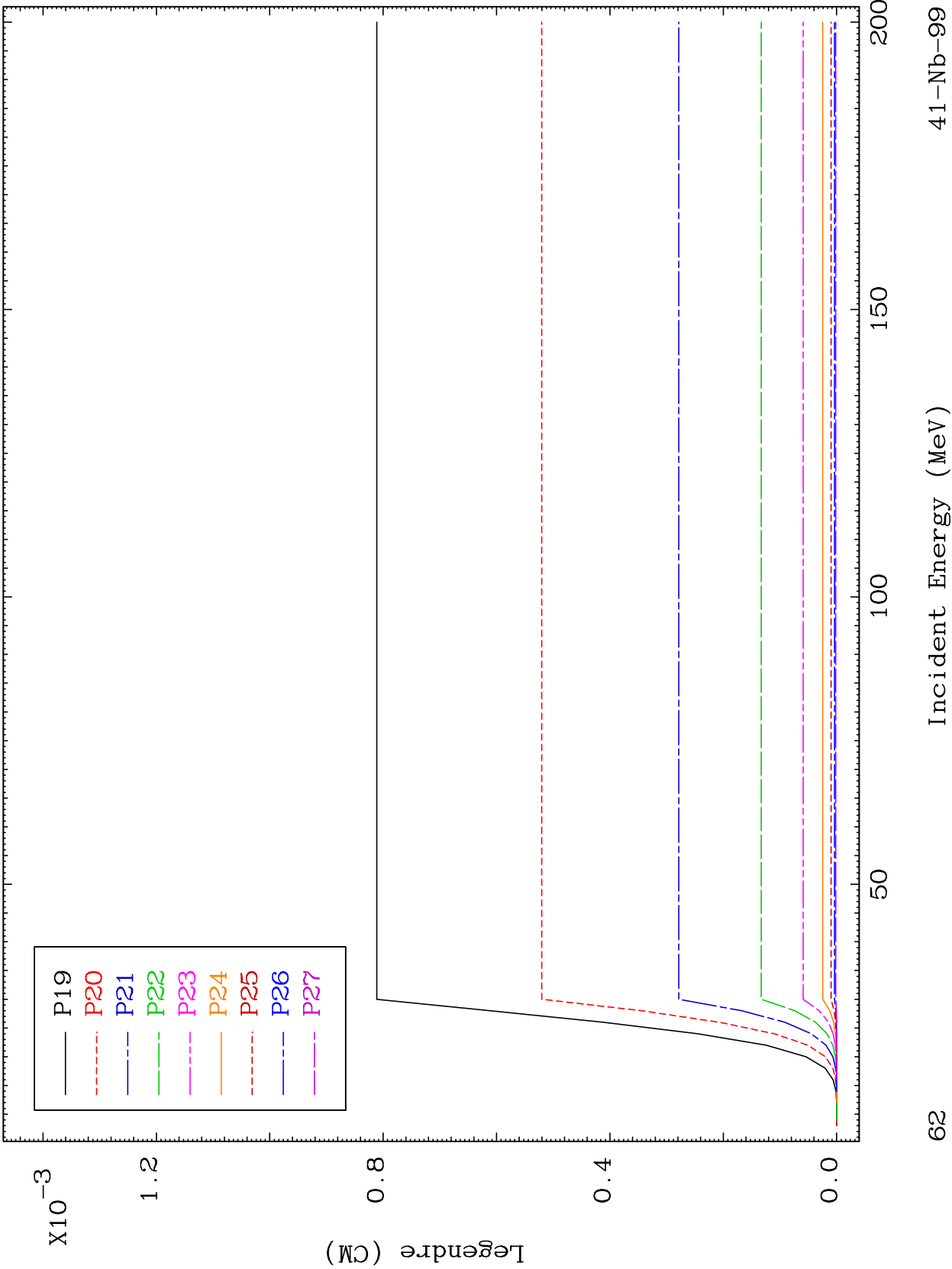
MT= 61 (n,n') Level
Legendre Coefficients

41-Nb-99



61

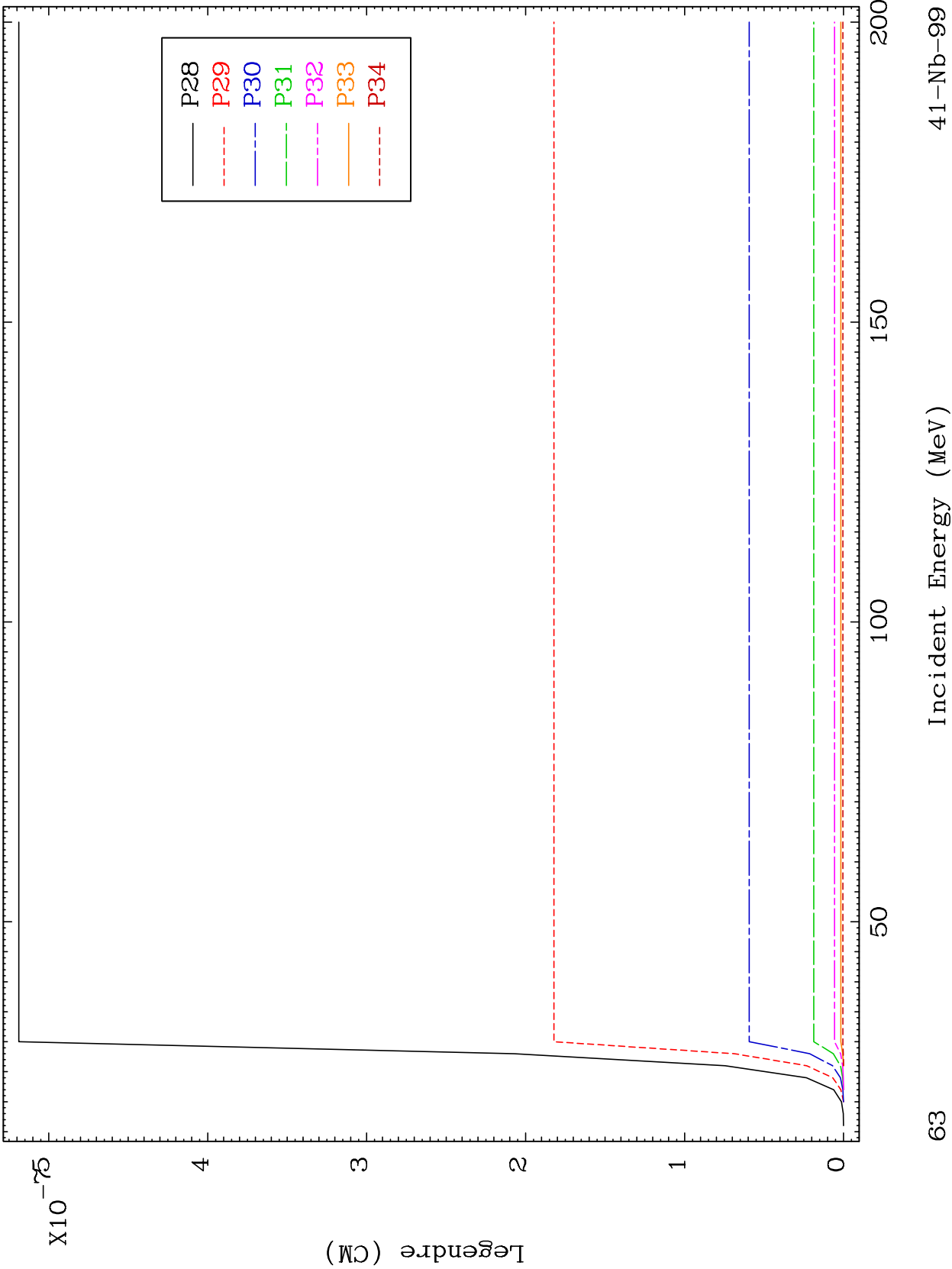
41-Nb-99



MAT 4143

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

41-Nb-99



63

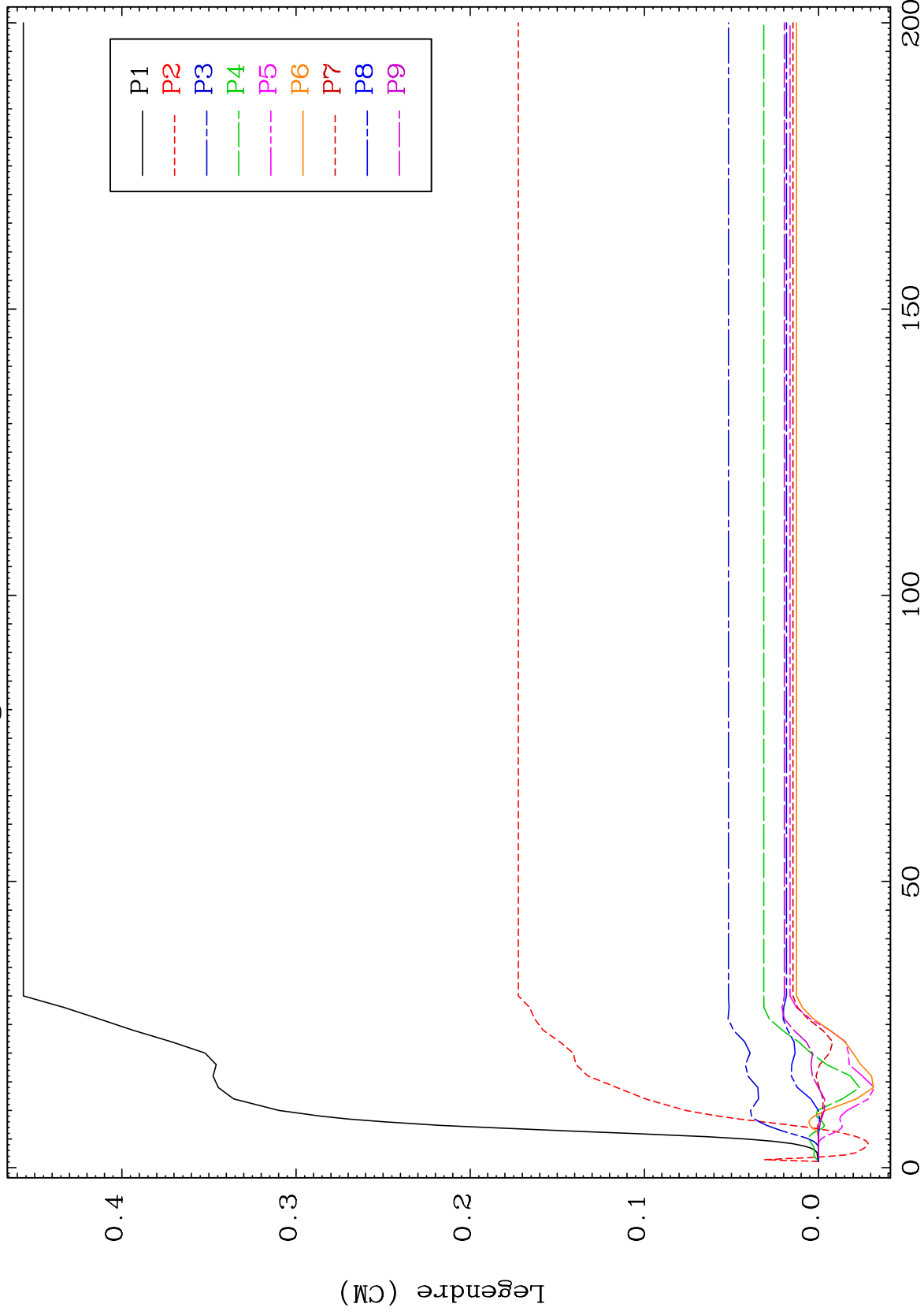
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



64

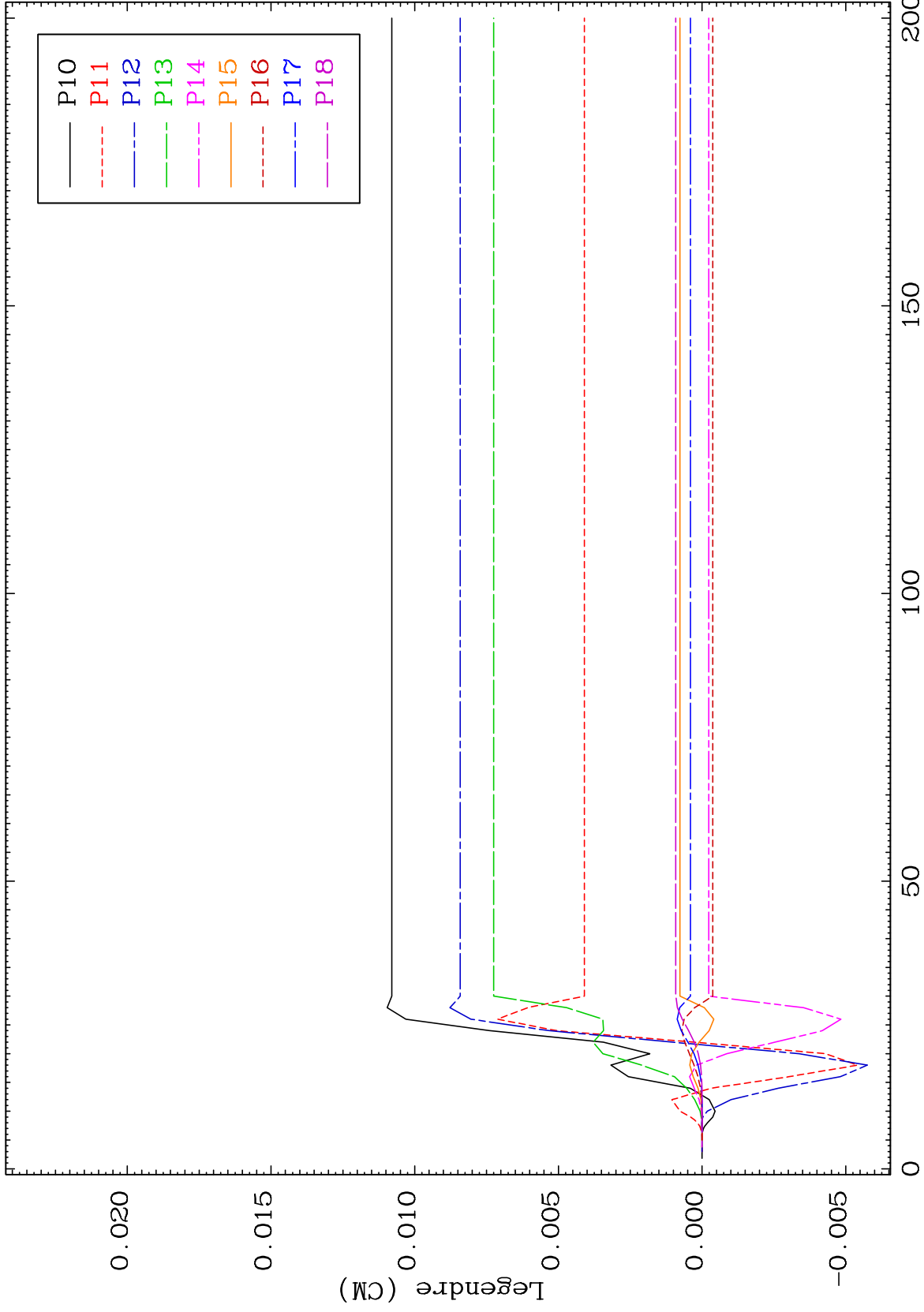
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

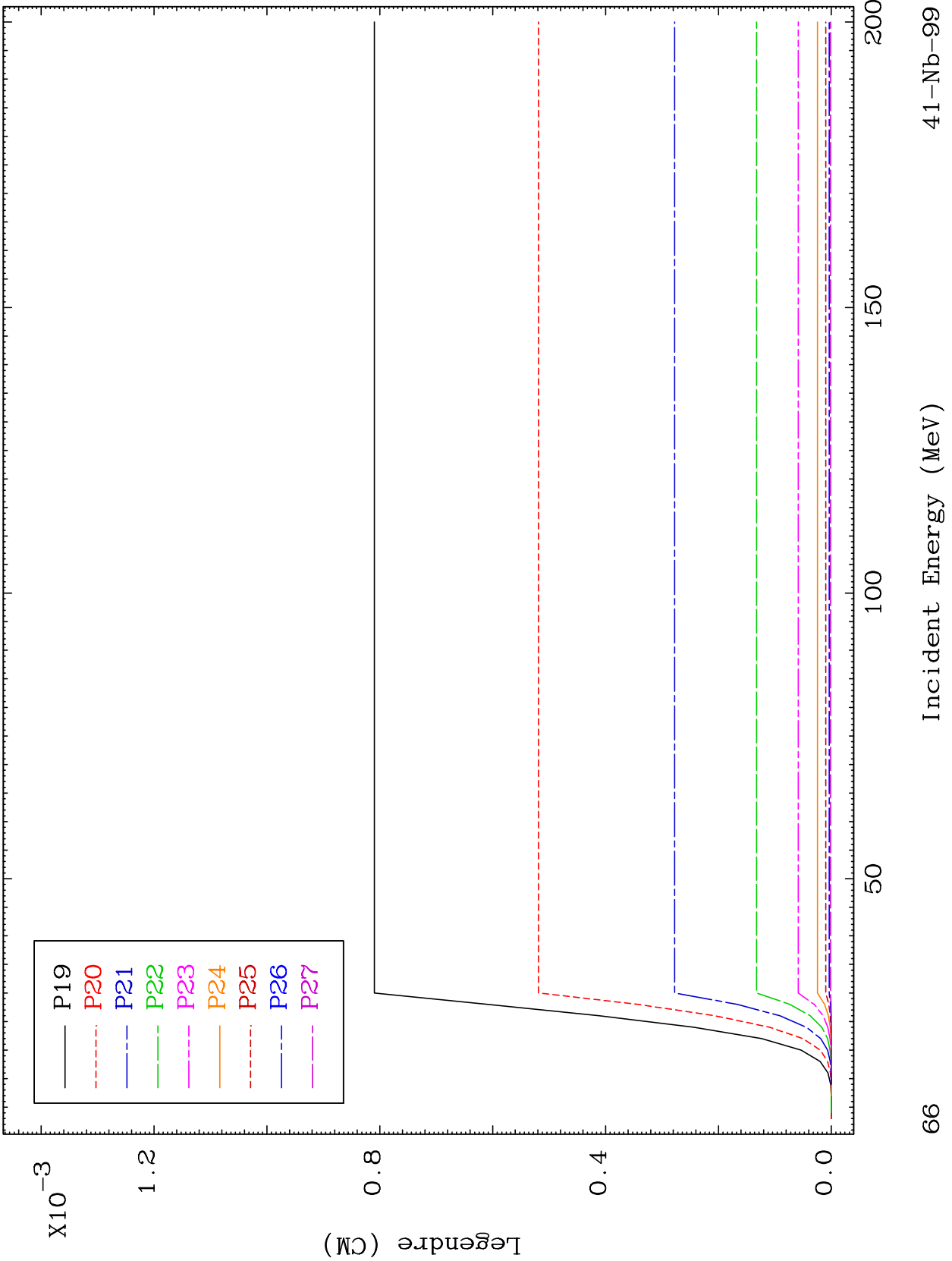
41-Nb-99



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Incident Energy (MeV)

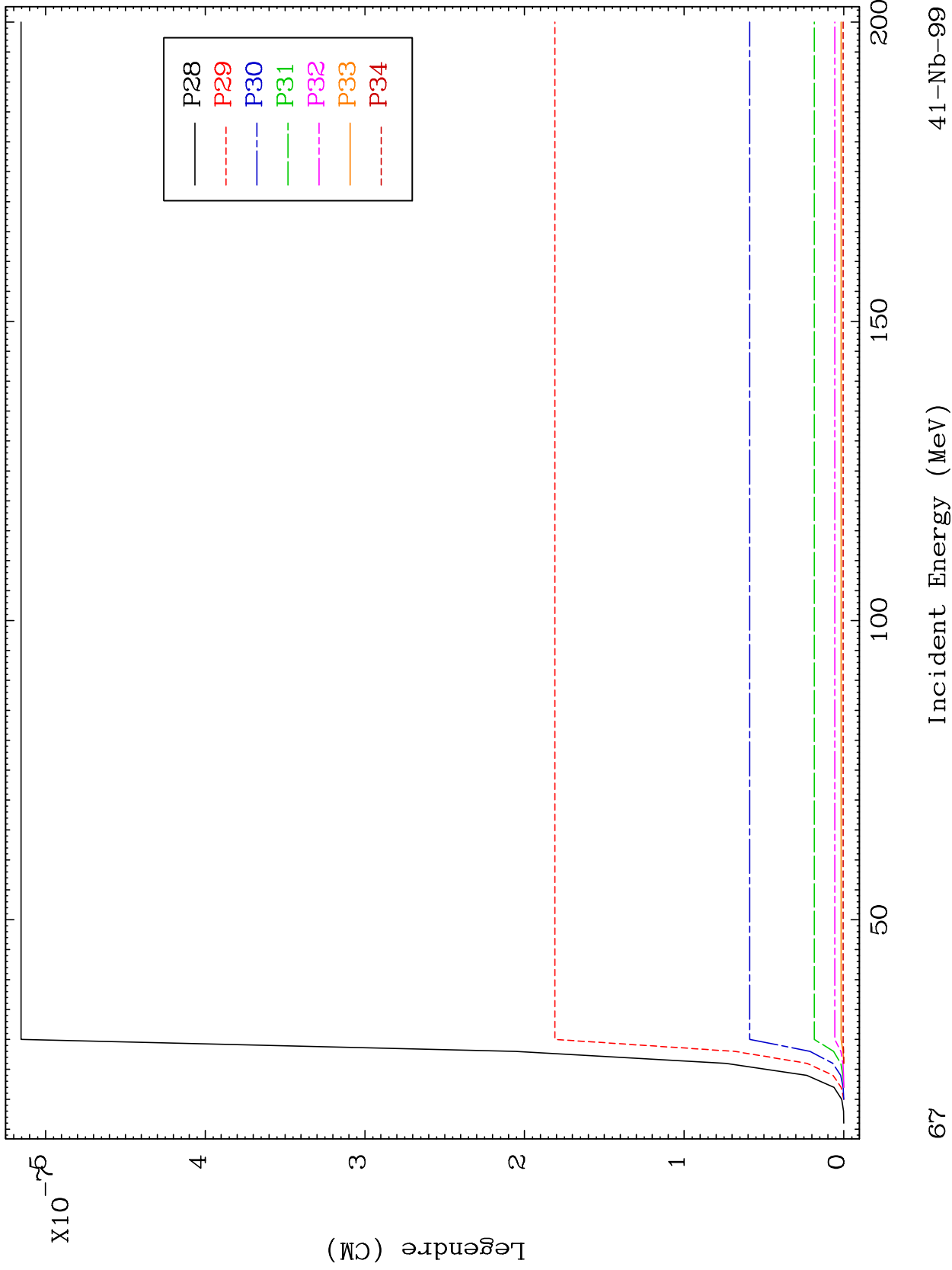
41-Nb-99



MAT 4143

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

41-Nb-99

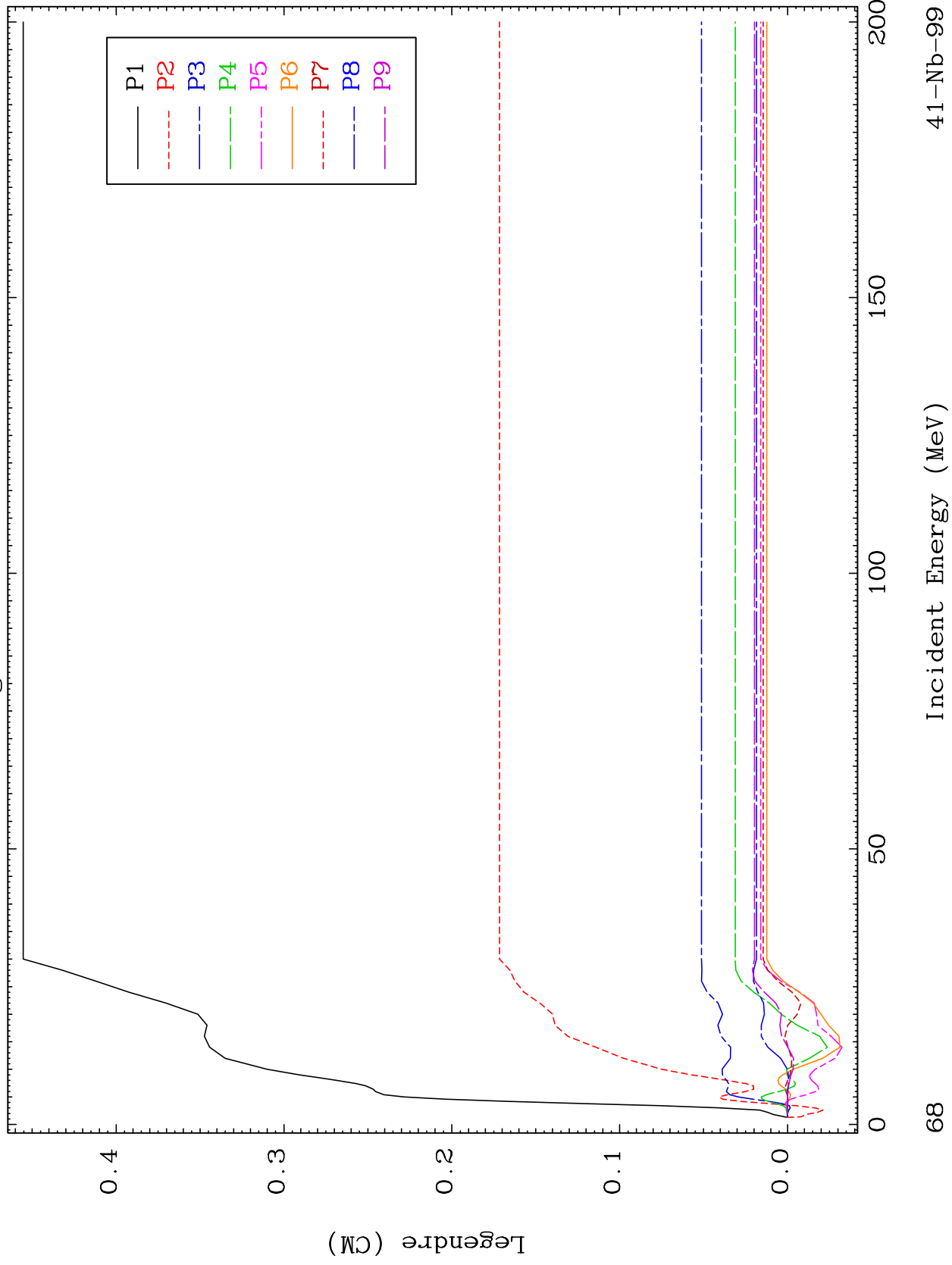


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MAT 4143

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

41-Nb-99



41-Nb-99

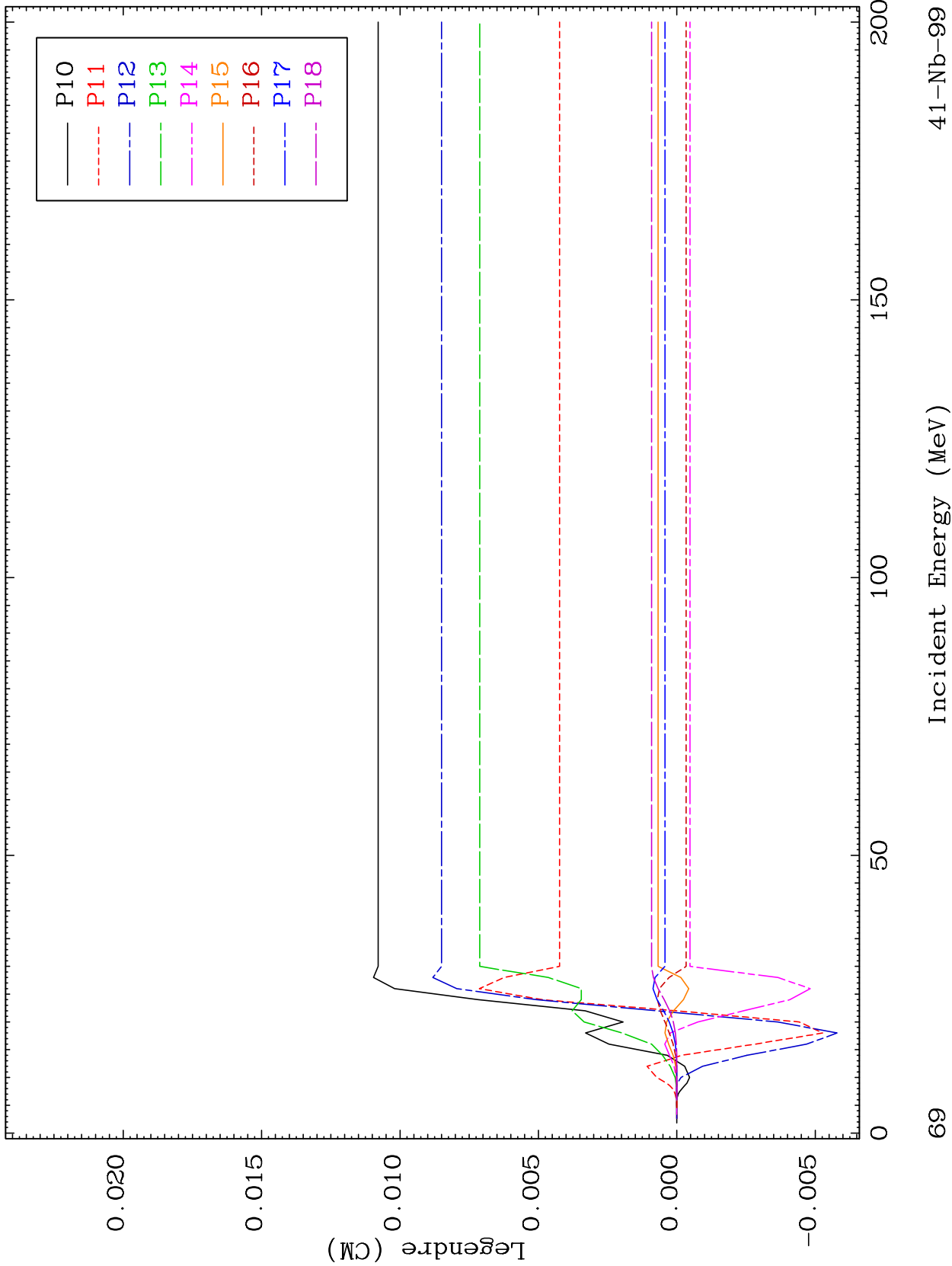
Incident Energy (MeV)

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MAT 4143

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

41-Nb-99



69

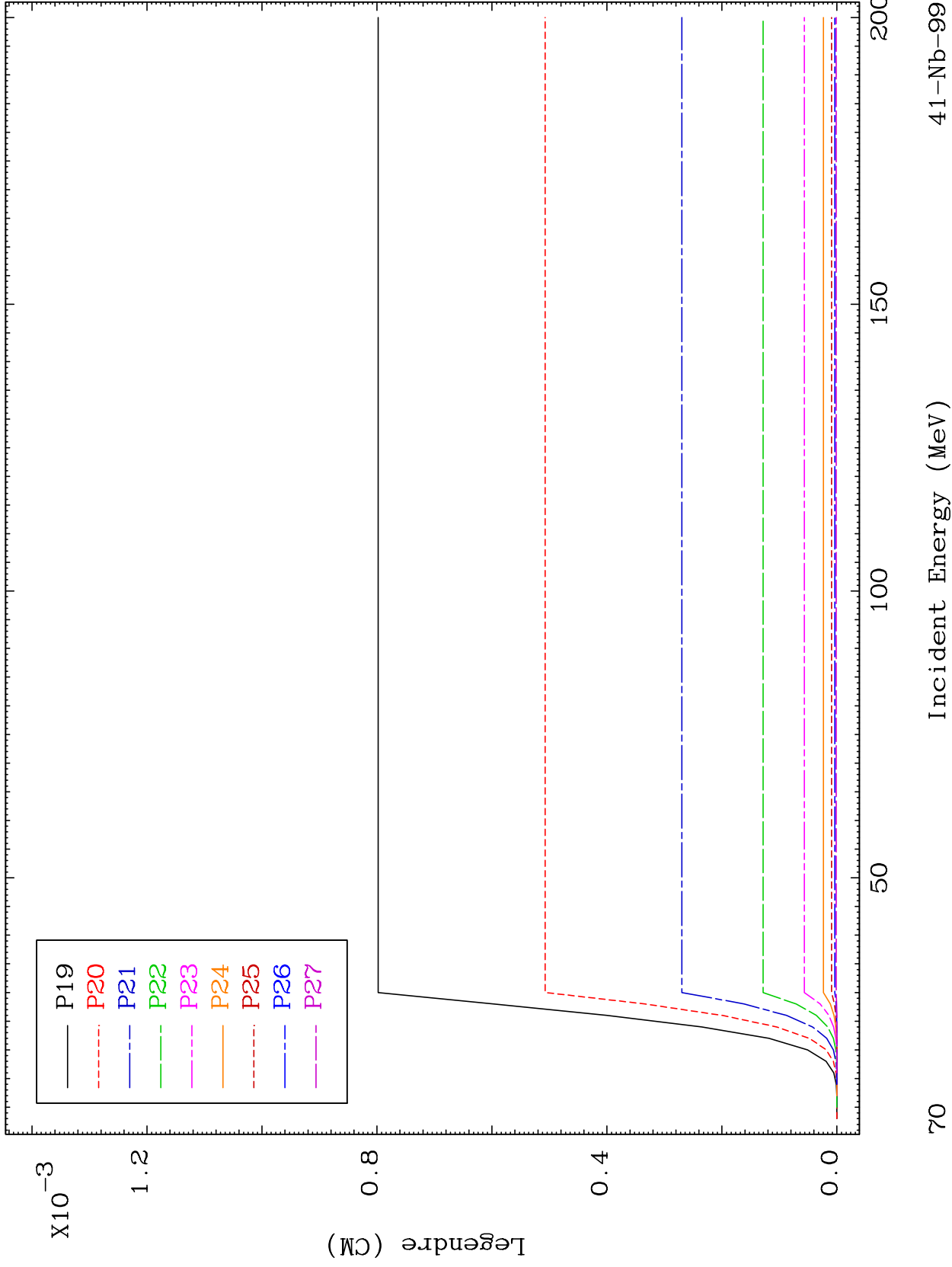
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



70

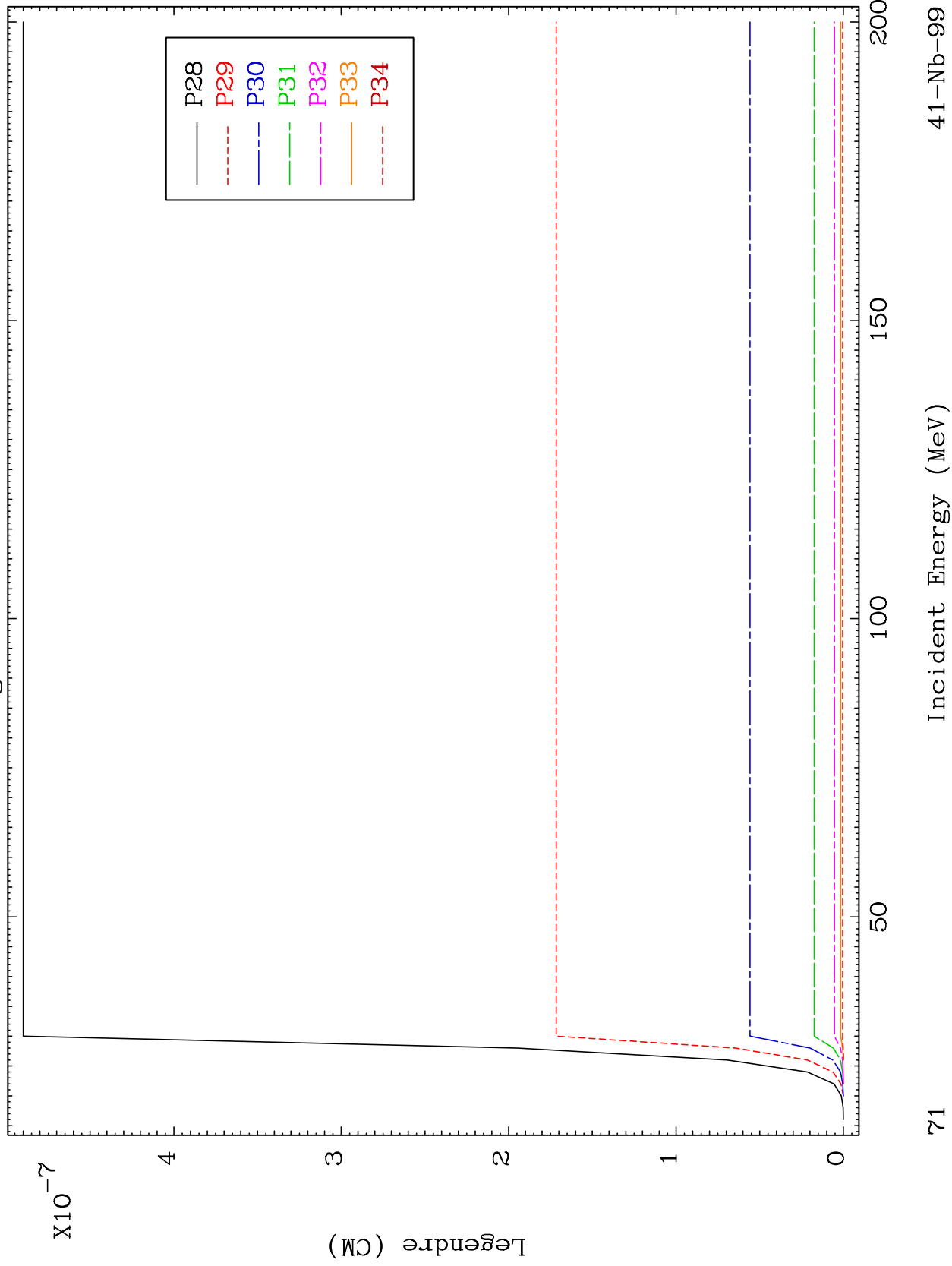
Incident Energy (MeV)

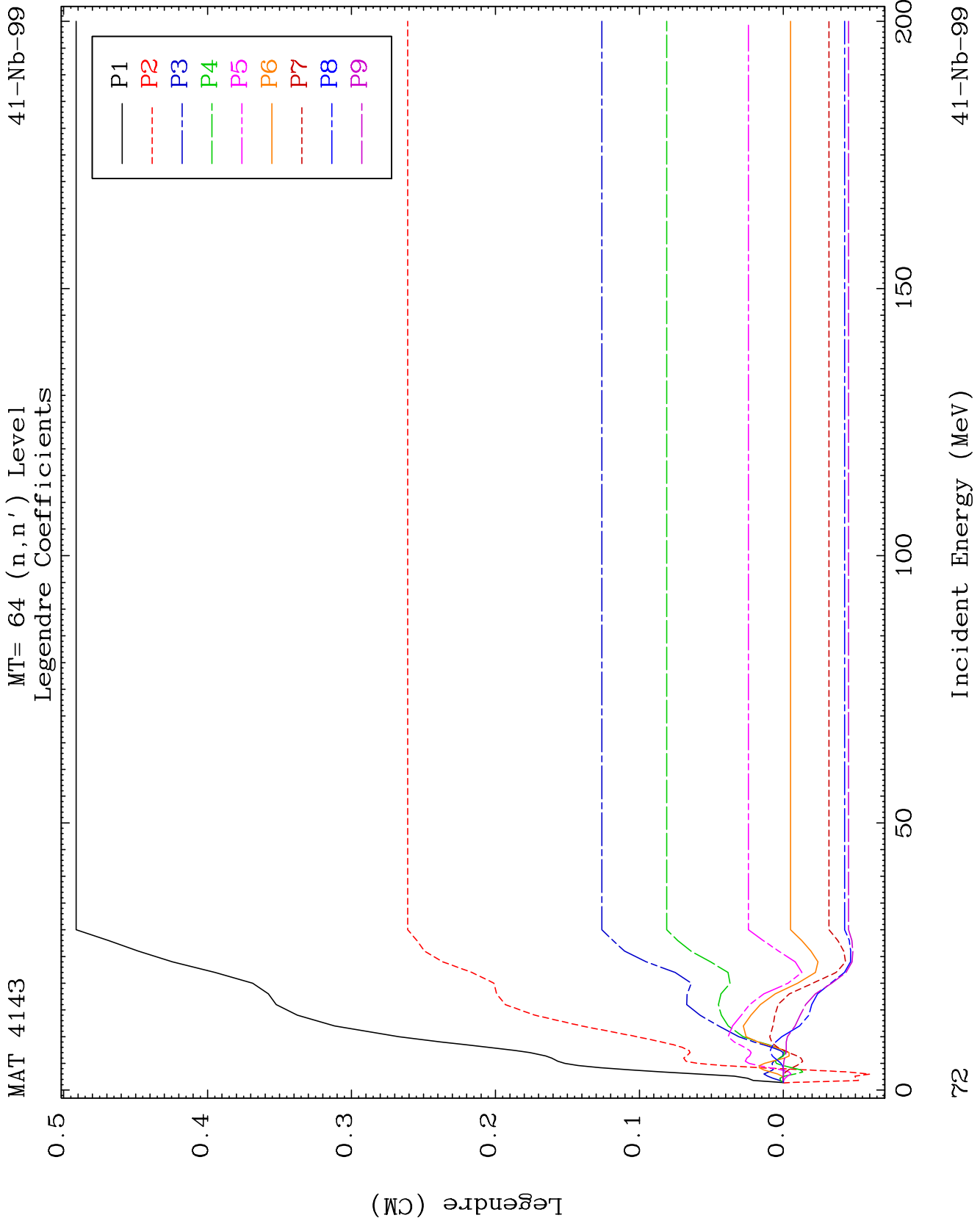
41-Nb-99

MAT 4143

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

41-Nb-99

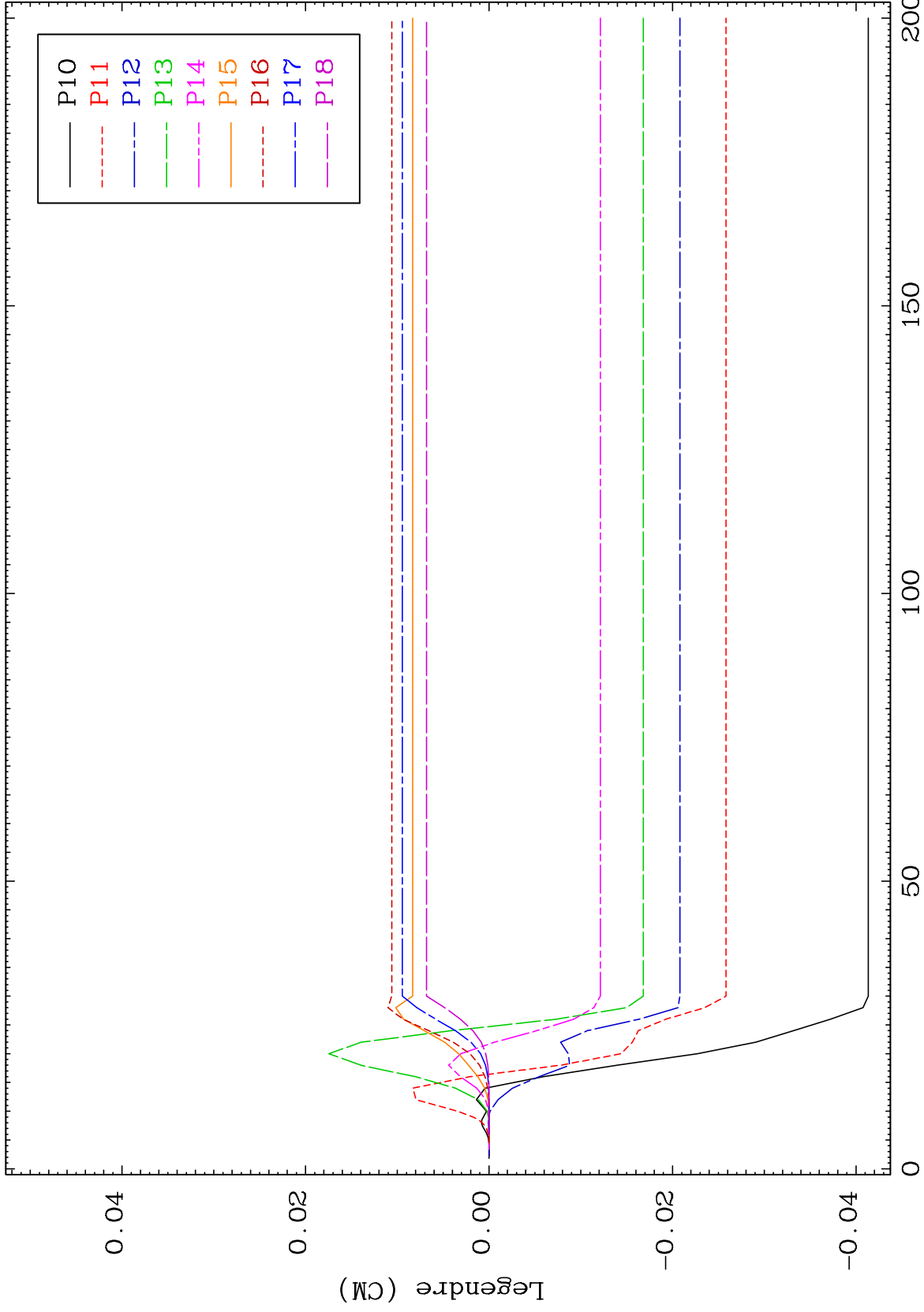




MAT 4143

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

41-Nb-99



73

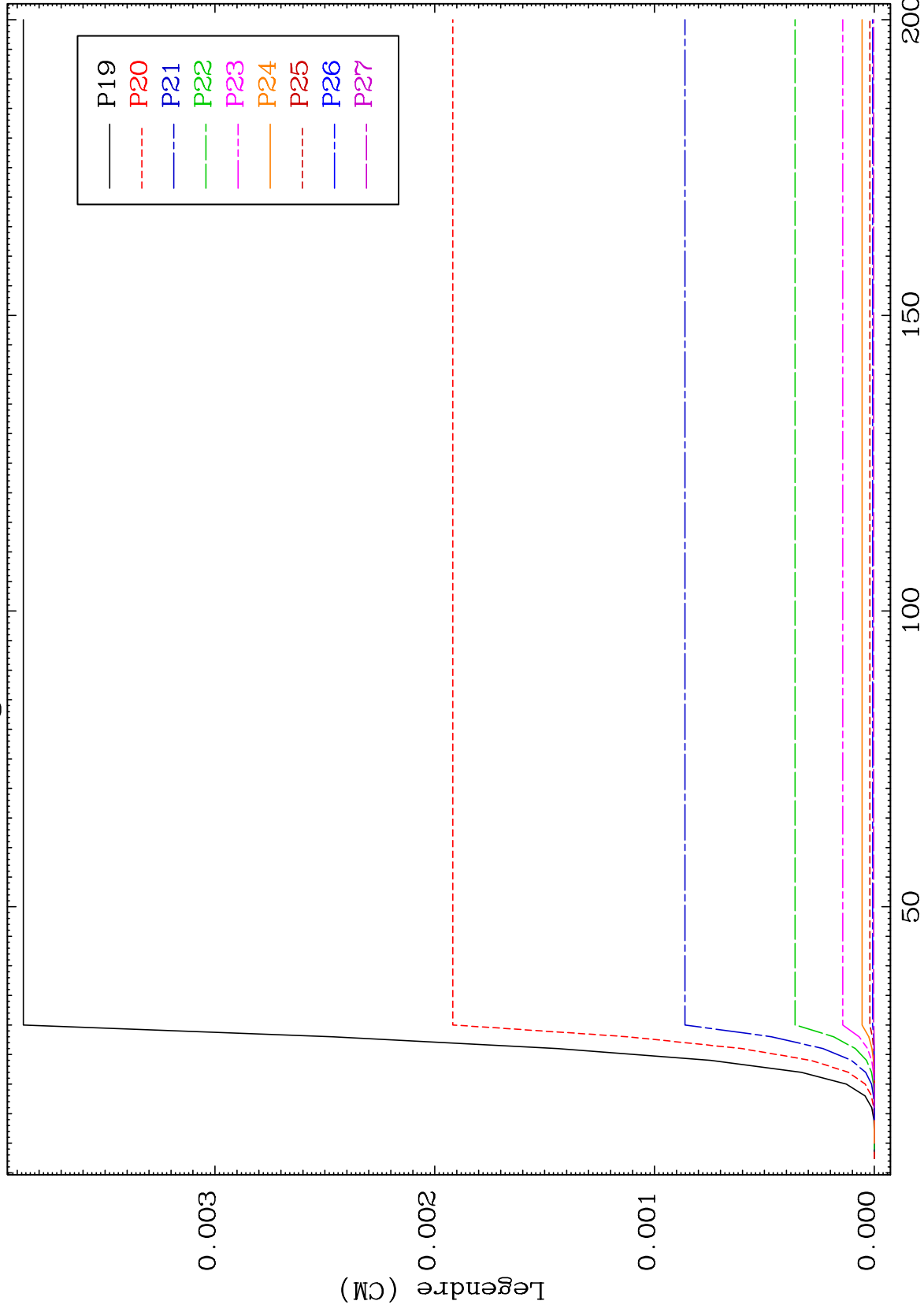
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



74

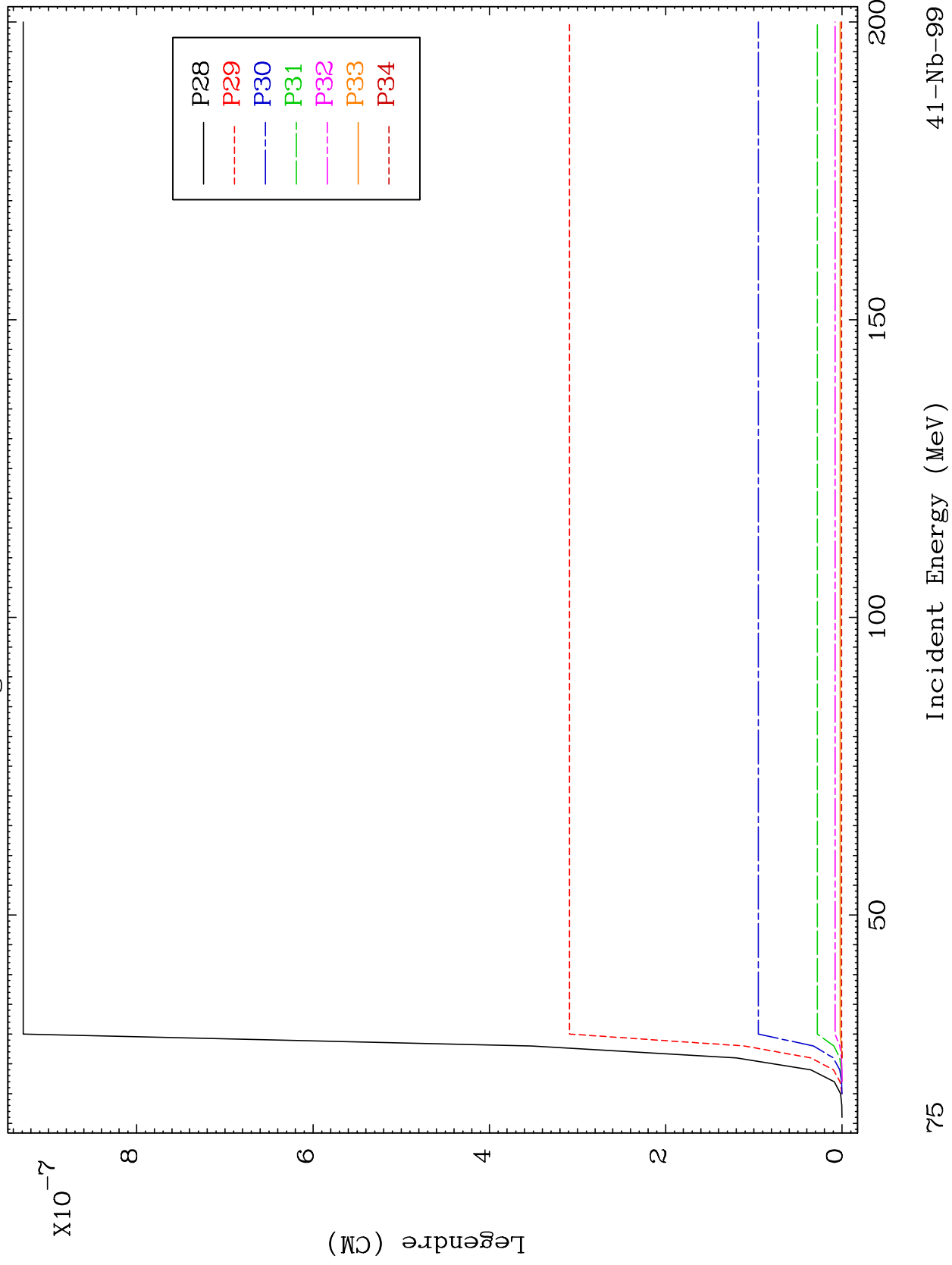
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

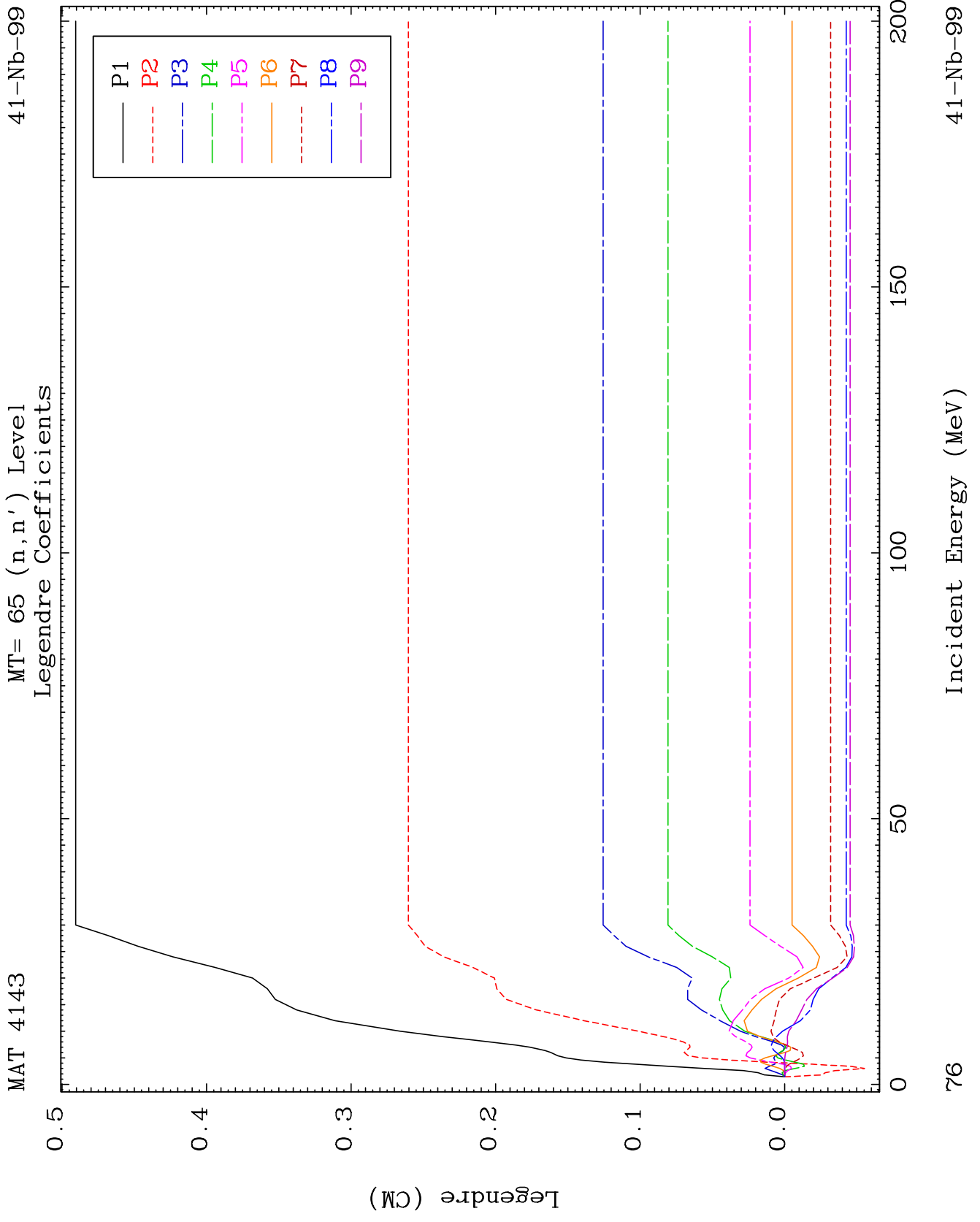
41-Nb-99



75

Incident Energy (MeV)

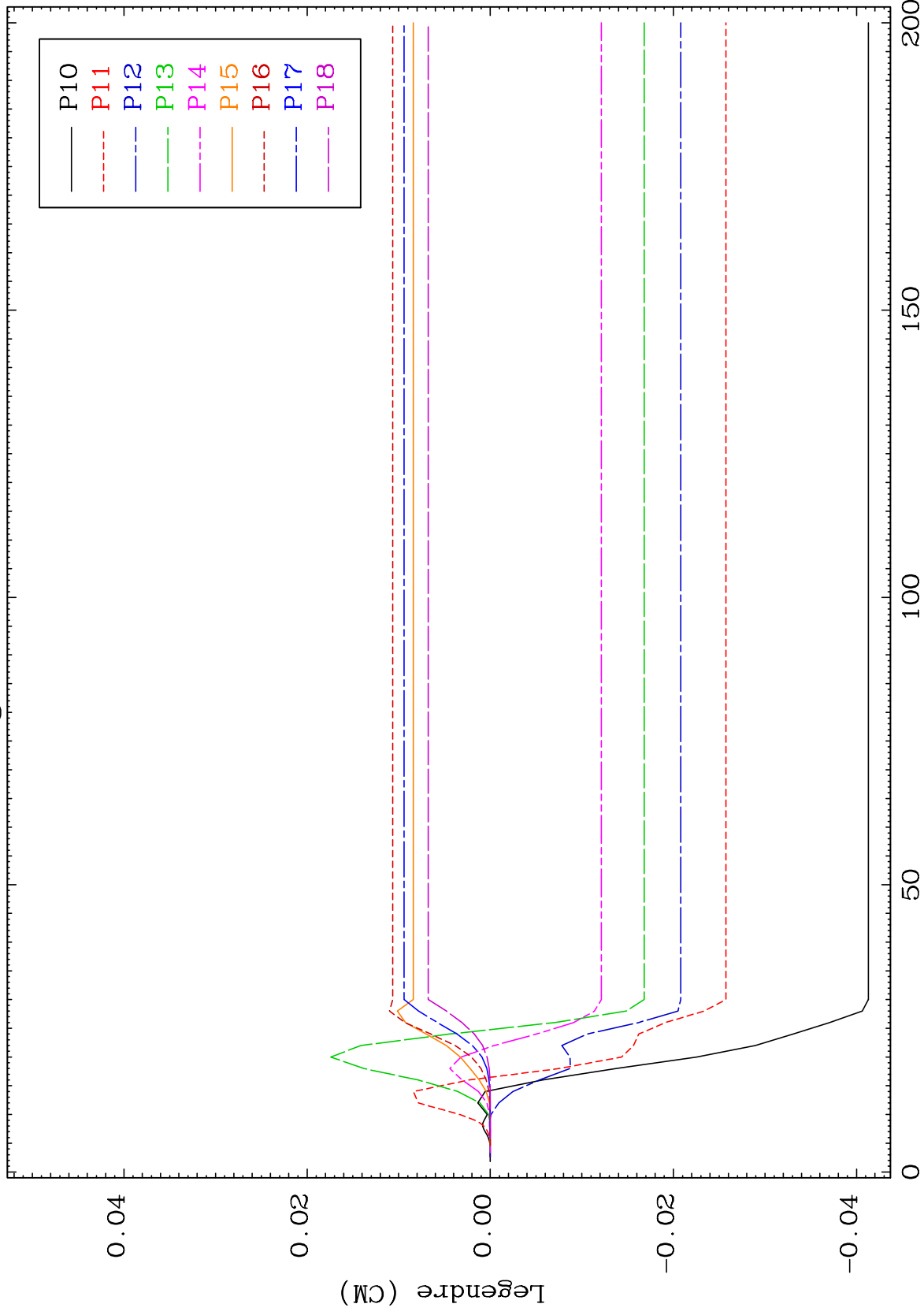
41-Nb-99



MAT 4143

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

41-Nb-99



77

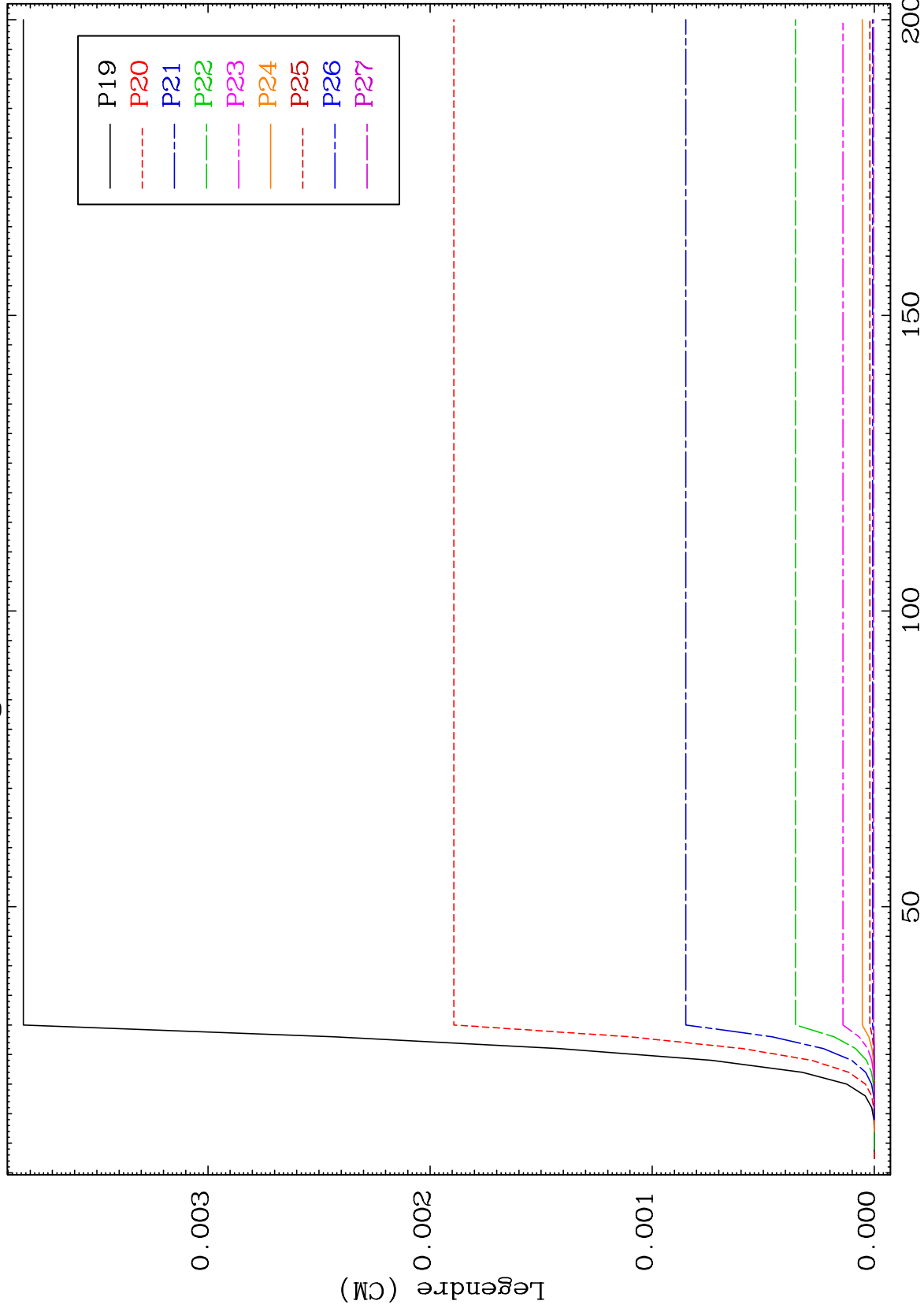
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



78

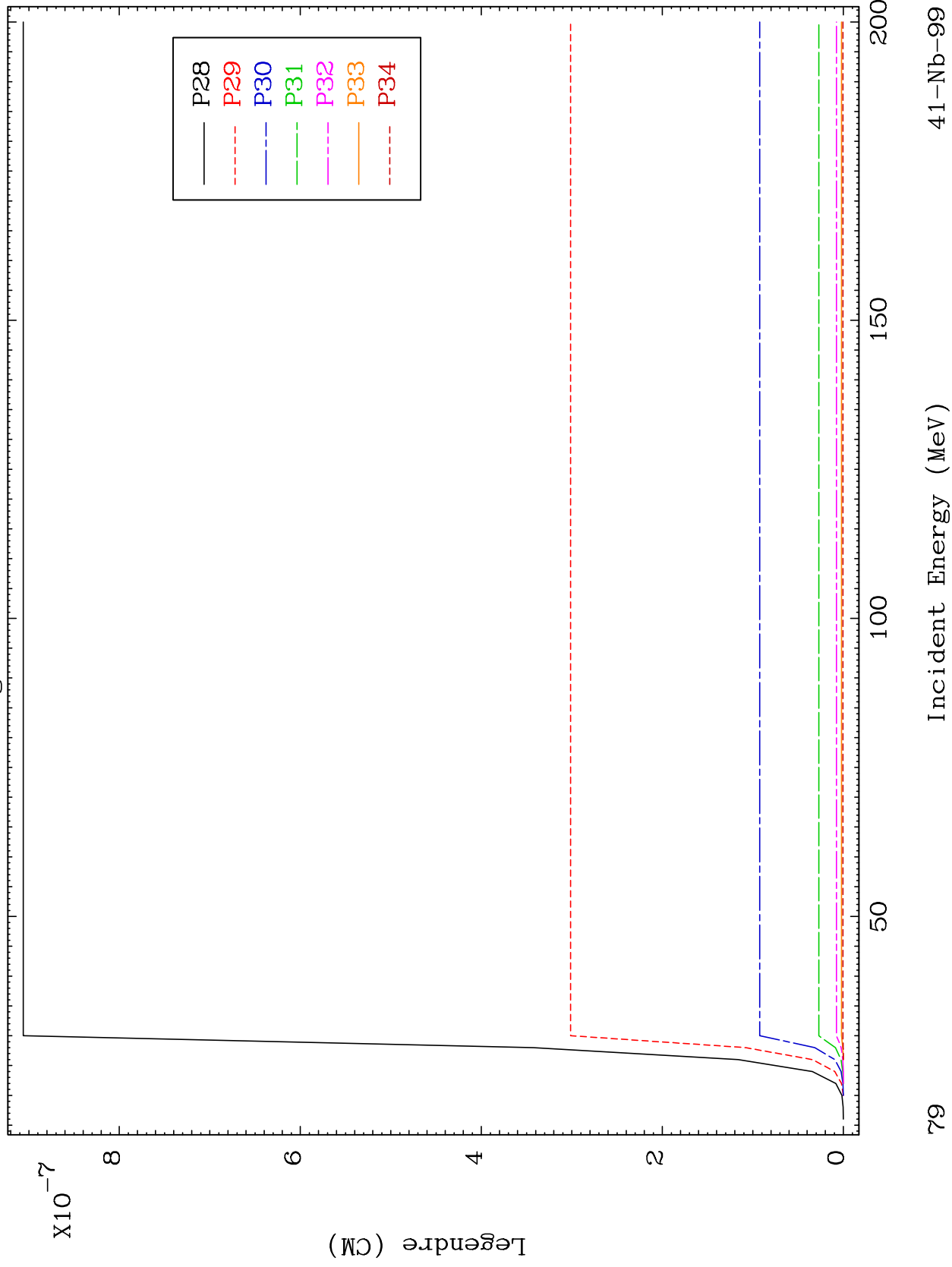
Incident Energy (MeV)

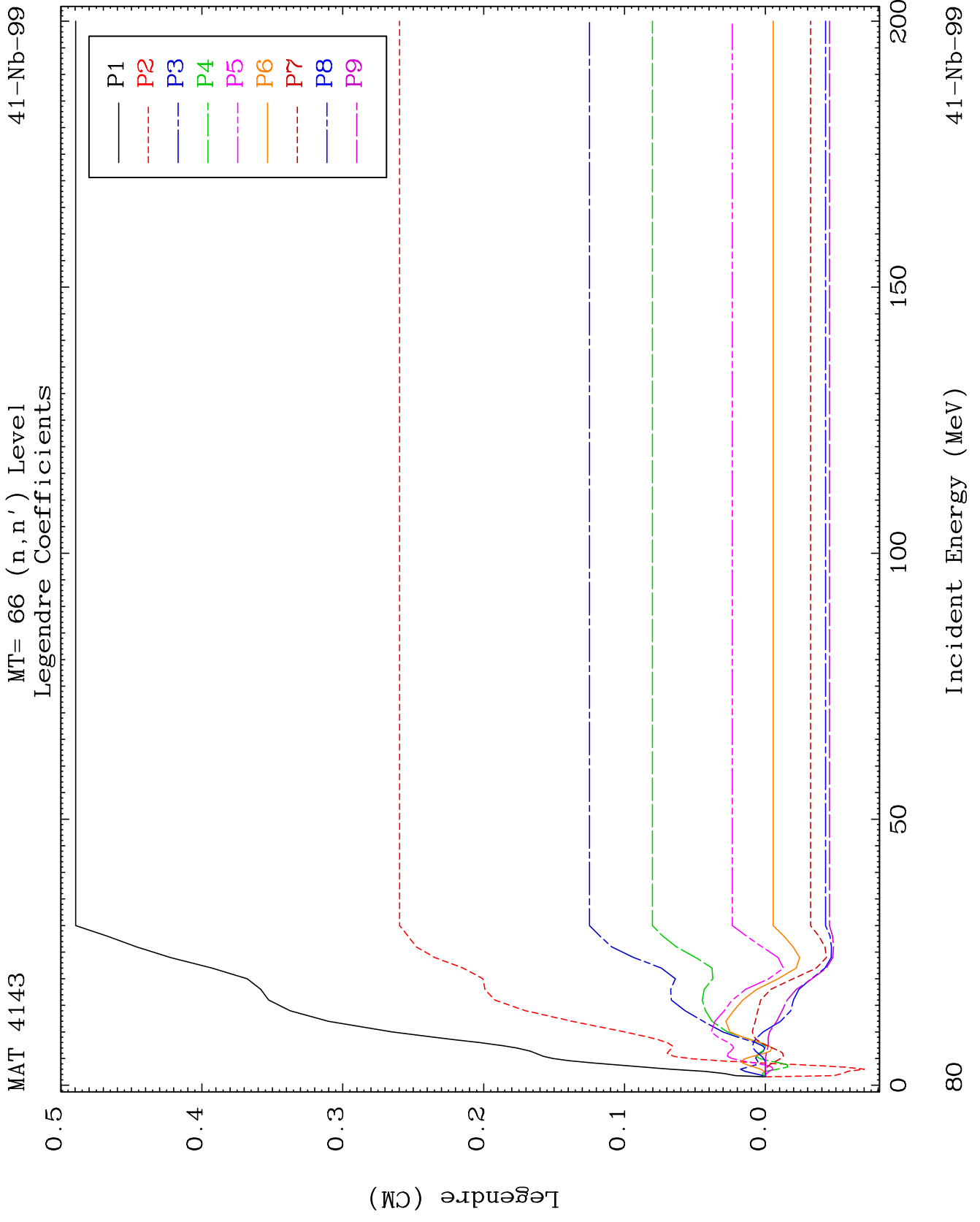
41-Nb-99

MAT 4143

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

41-Nb-99

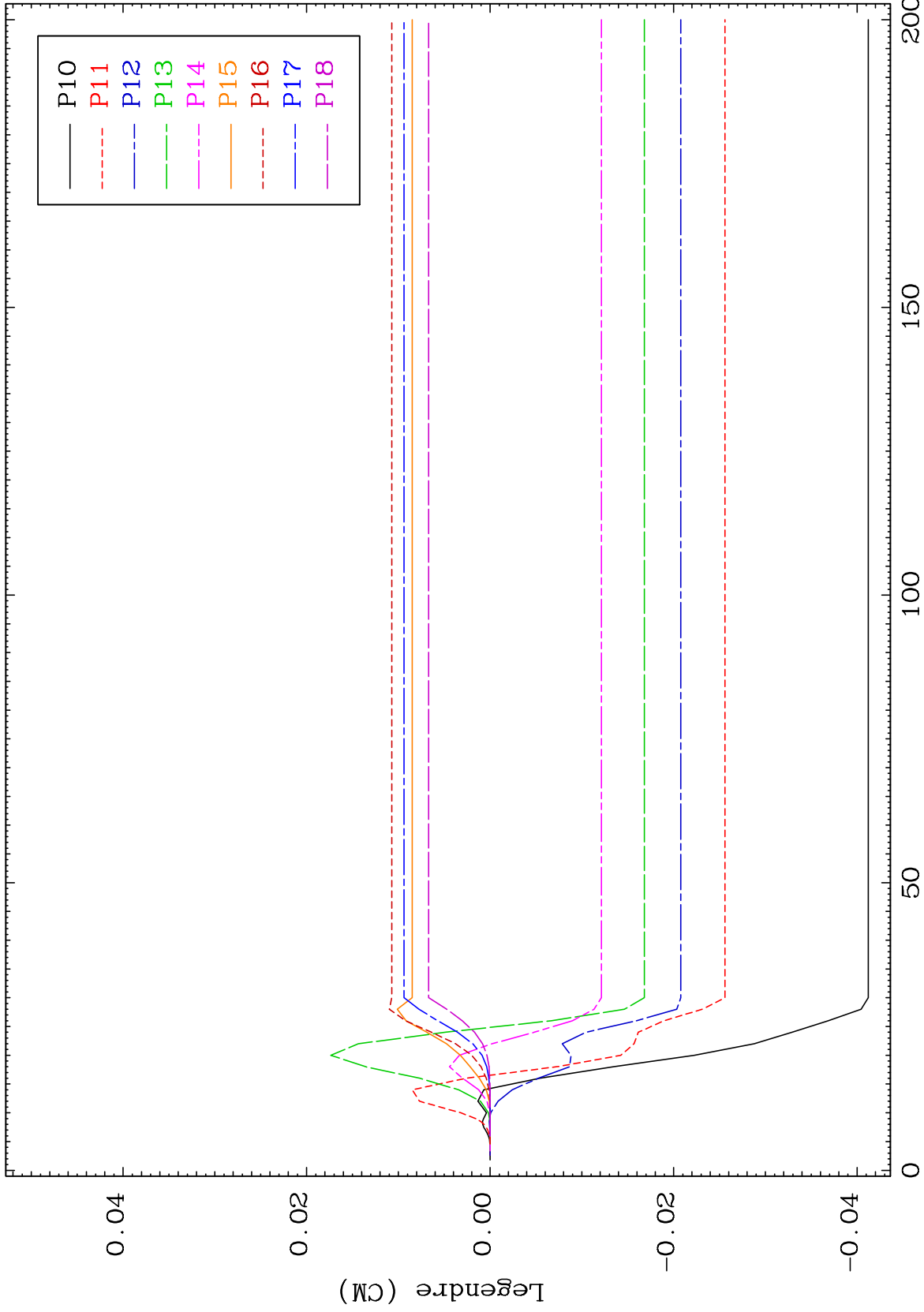




MAT 4143

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

41-Nb-99



81

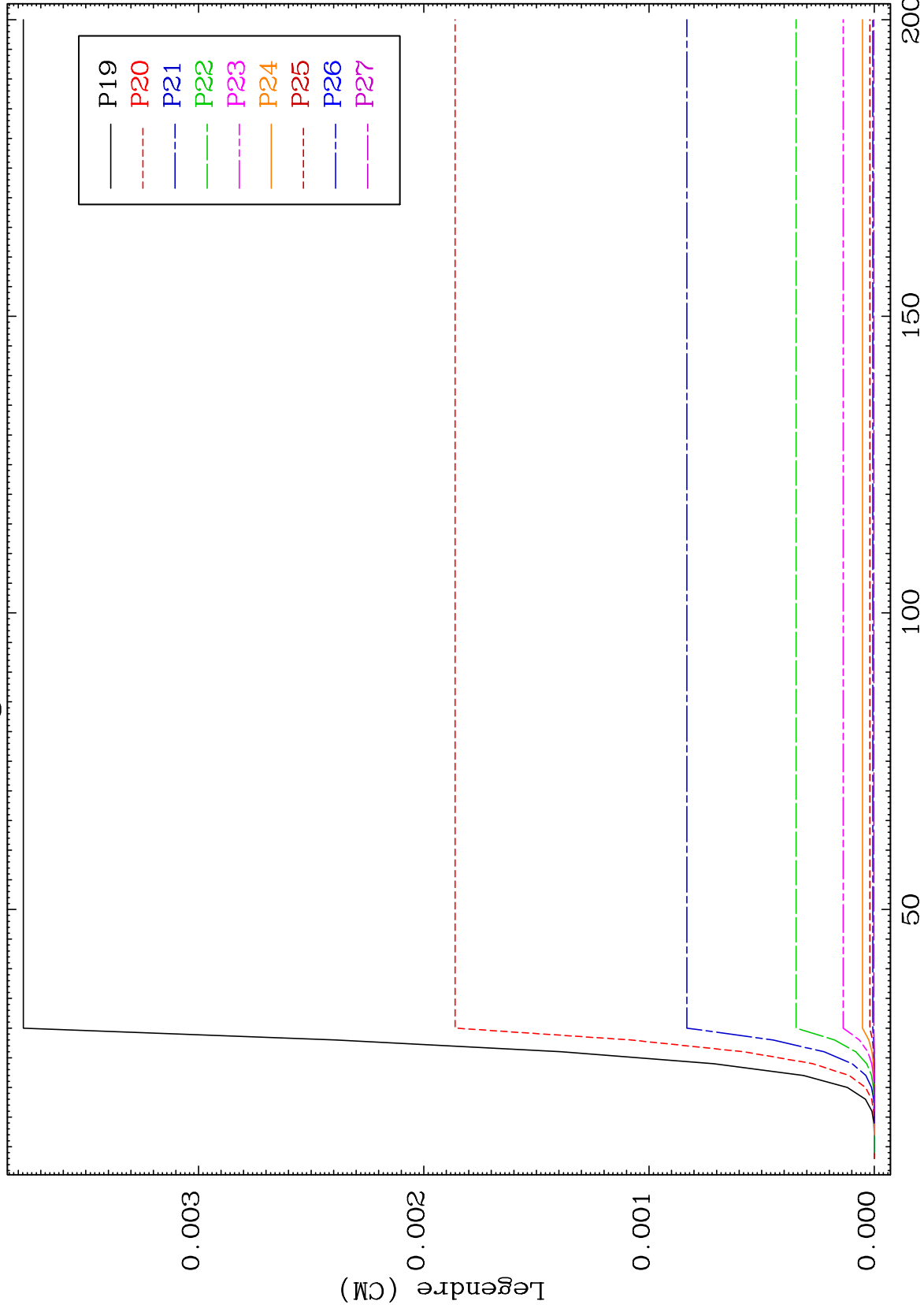
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



82

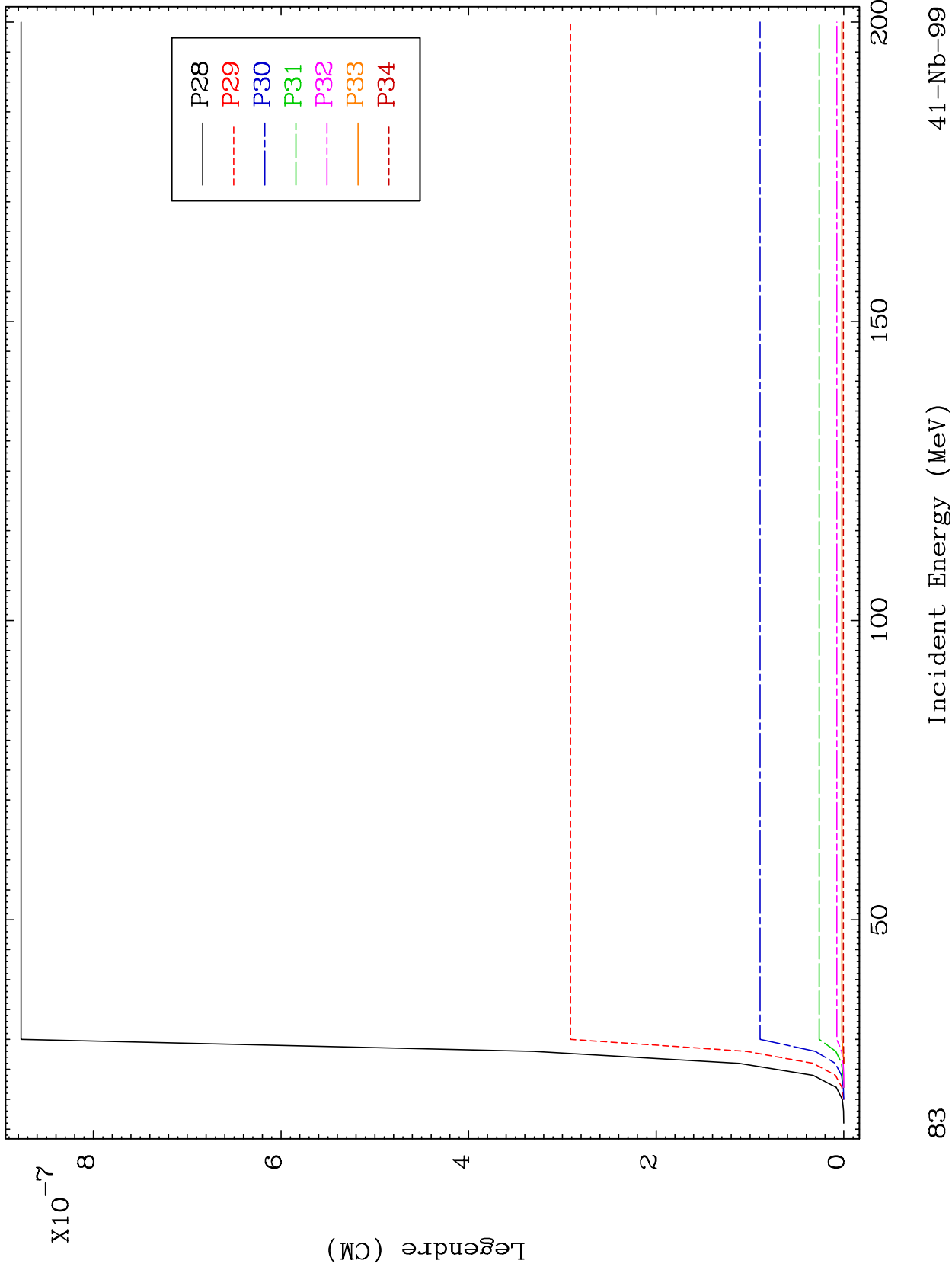
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99

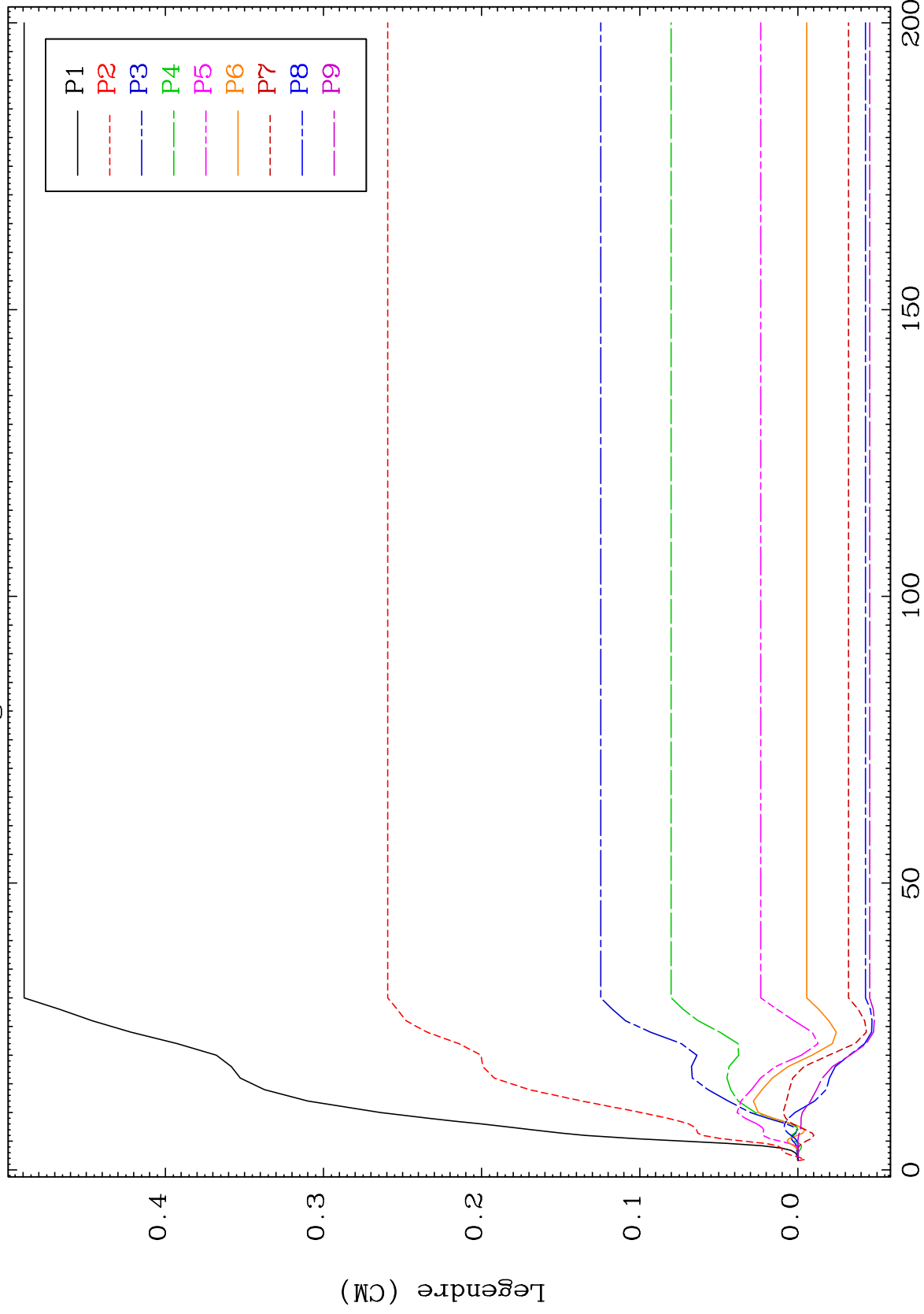


83

MAT 4143

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

41-Nb-99



84

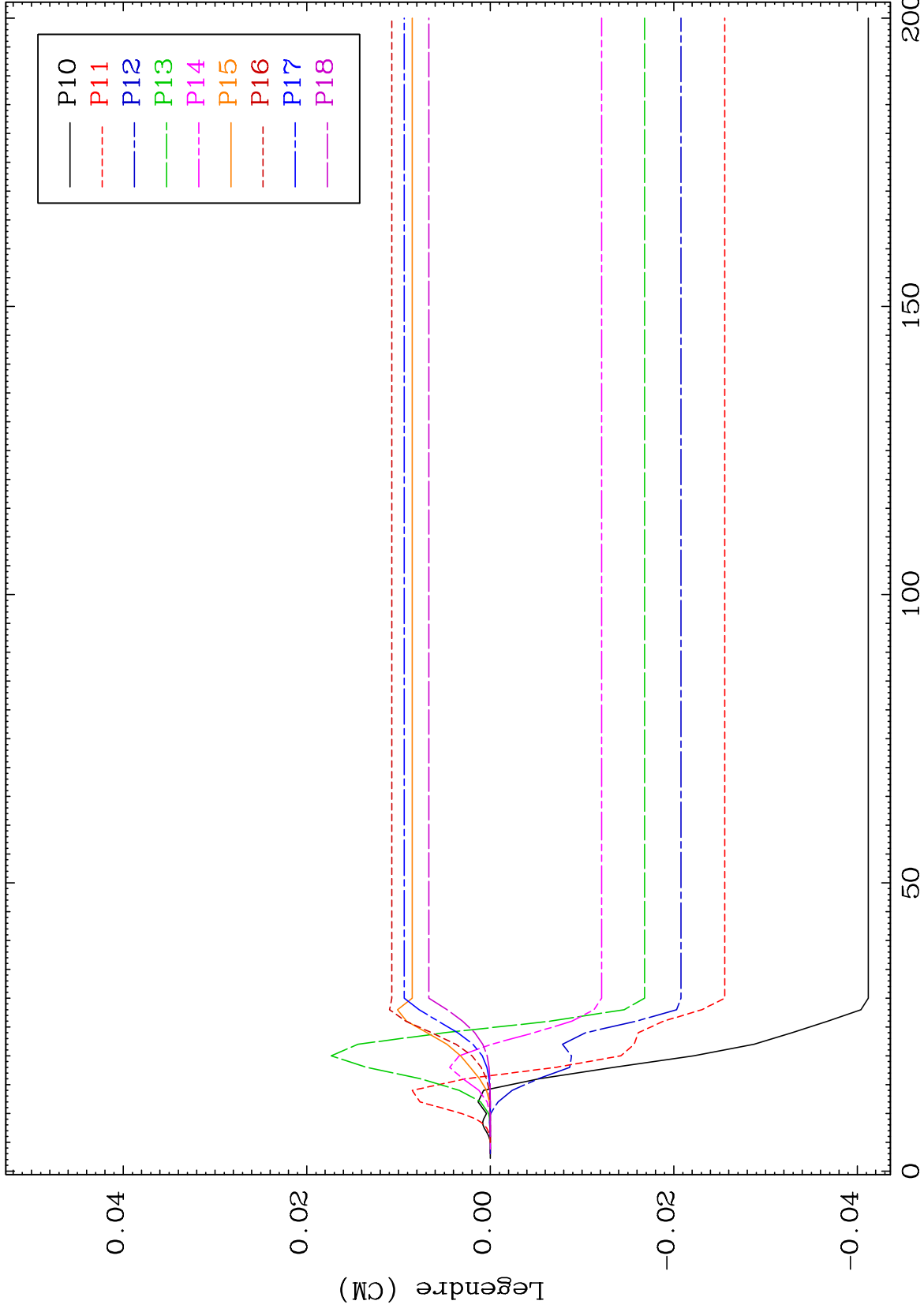
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



85

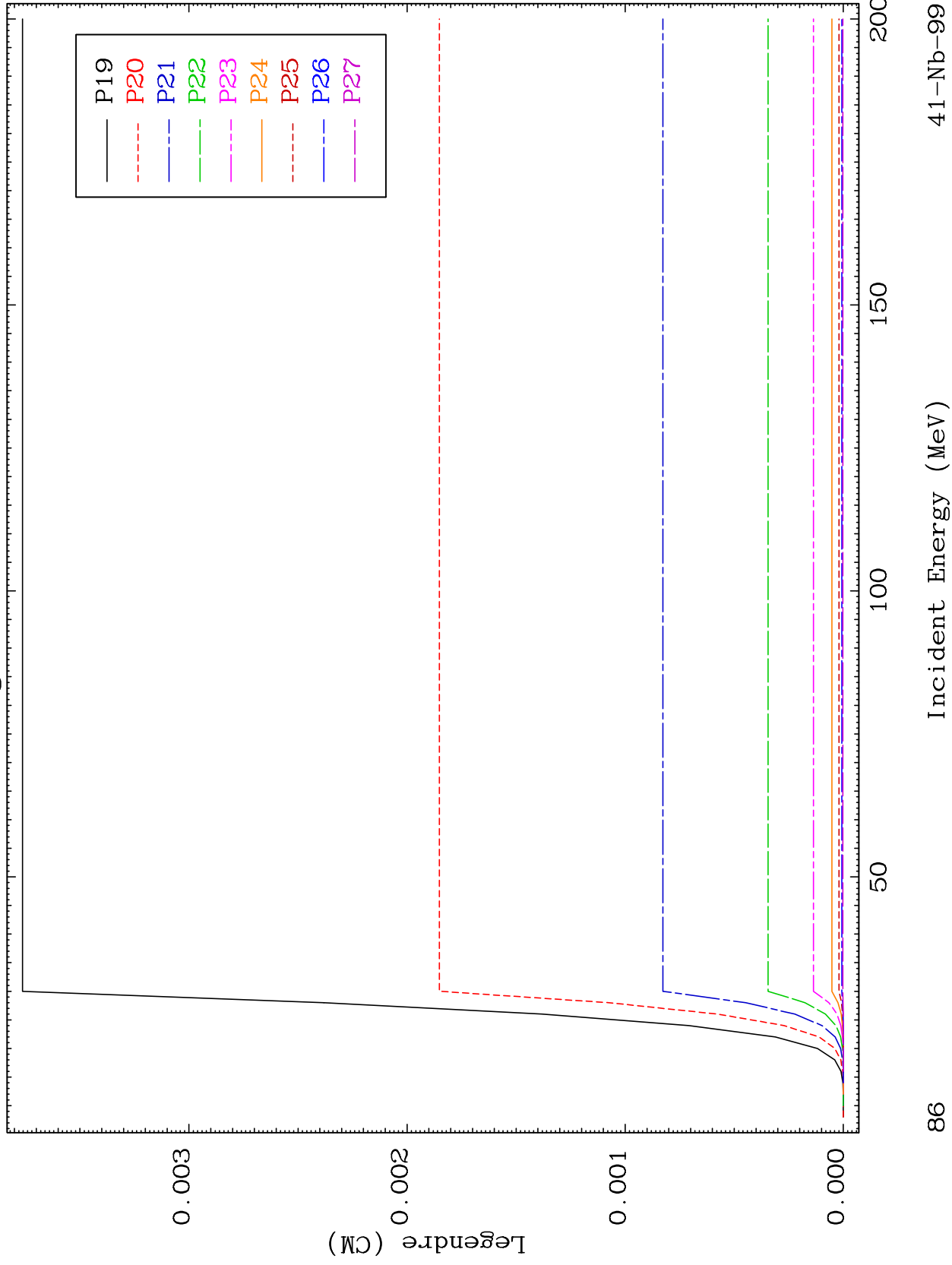
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



86

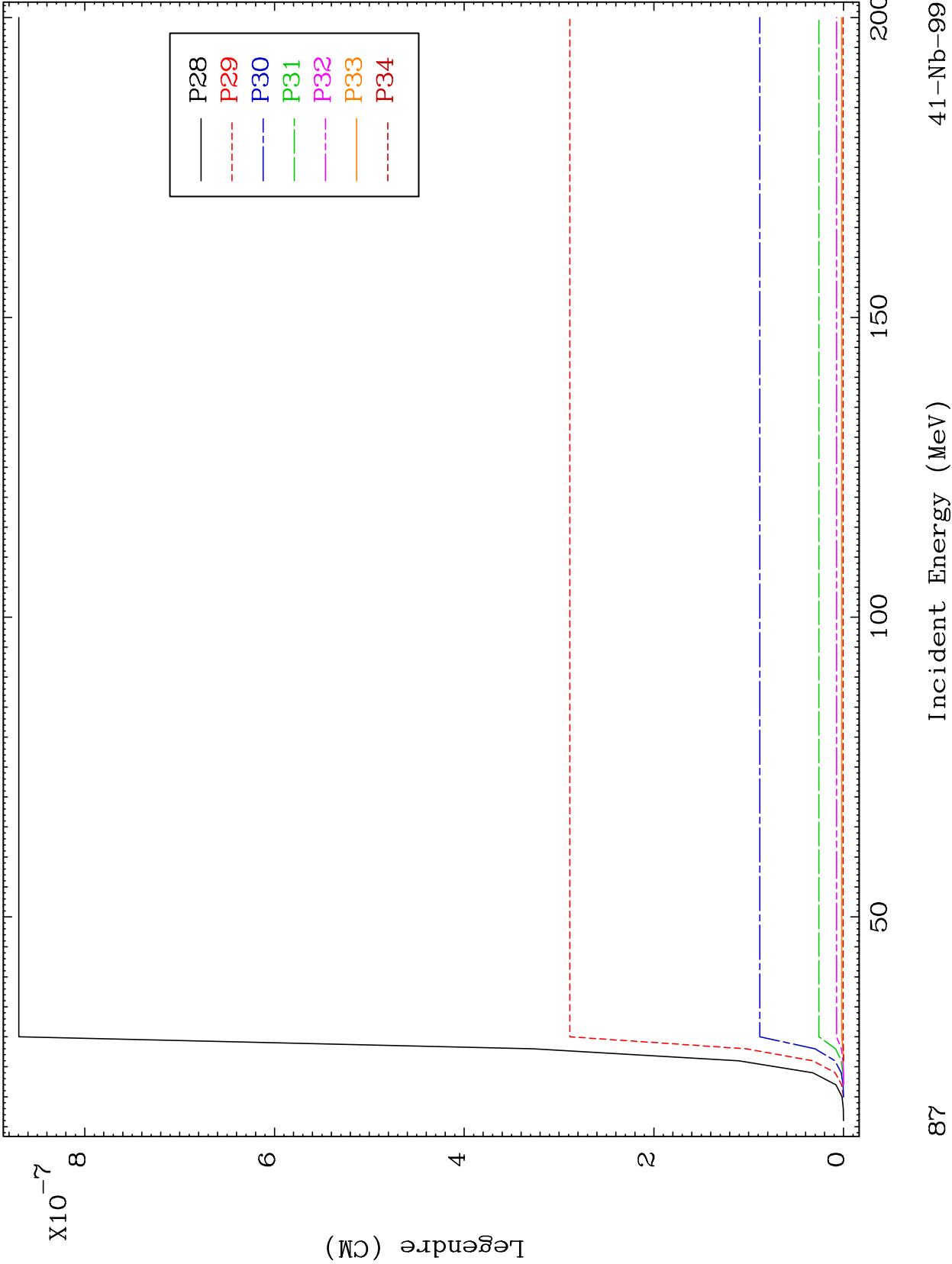
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



87

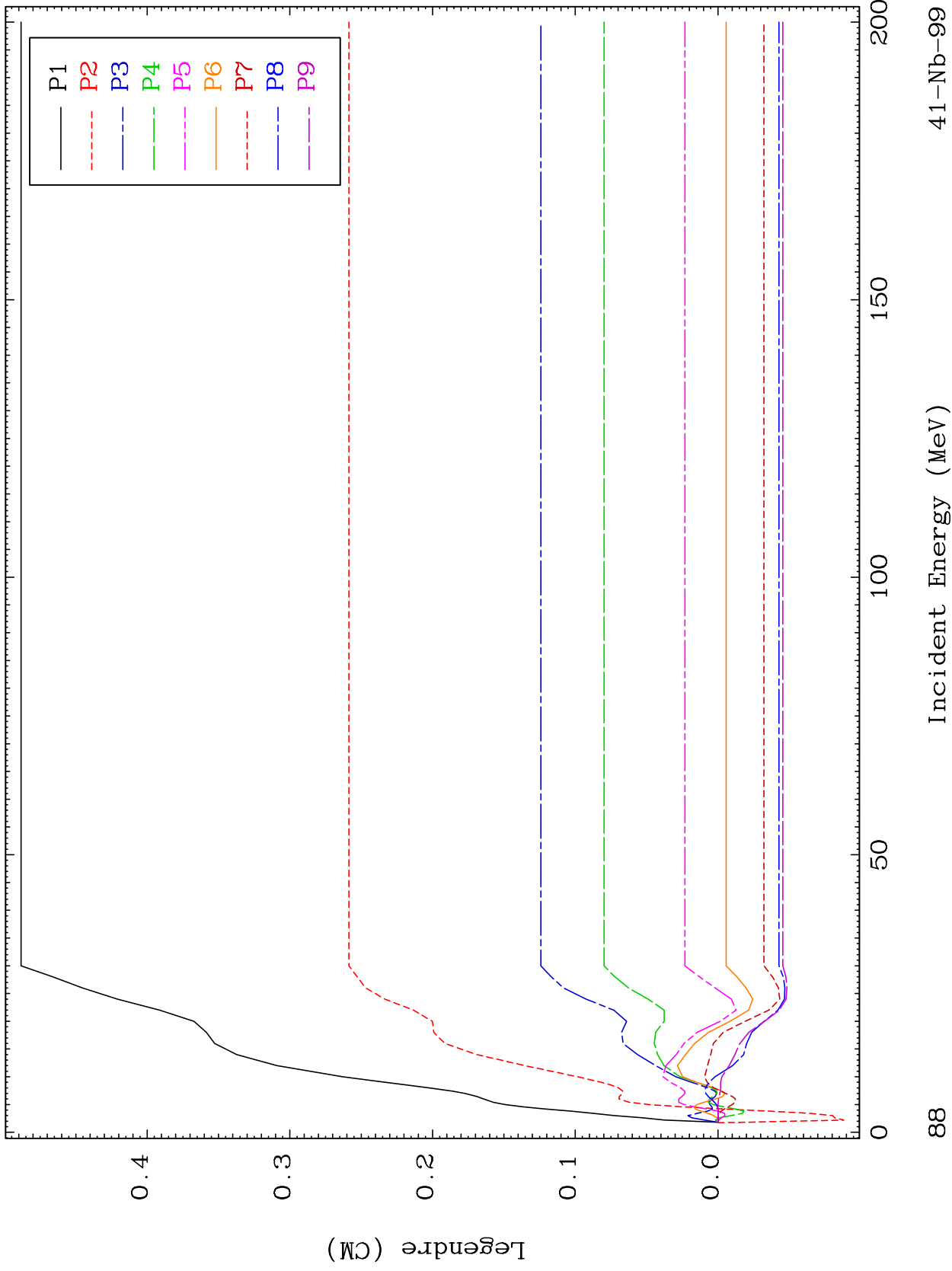
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



41-Nb-99

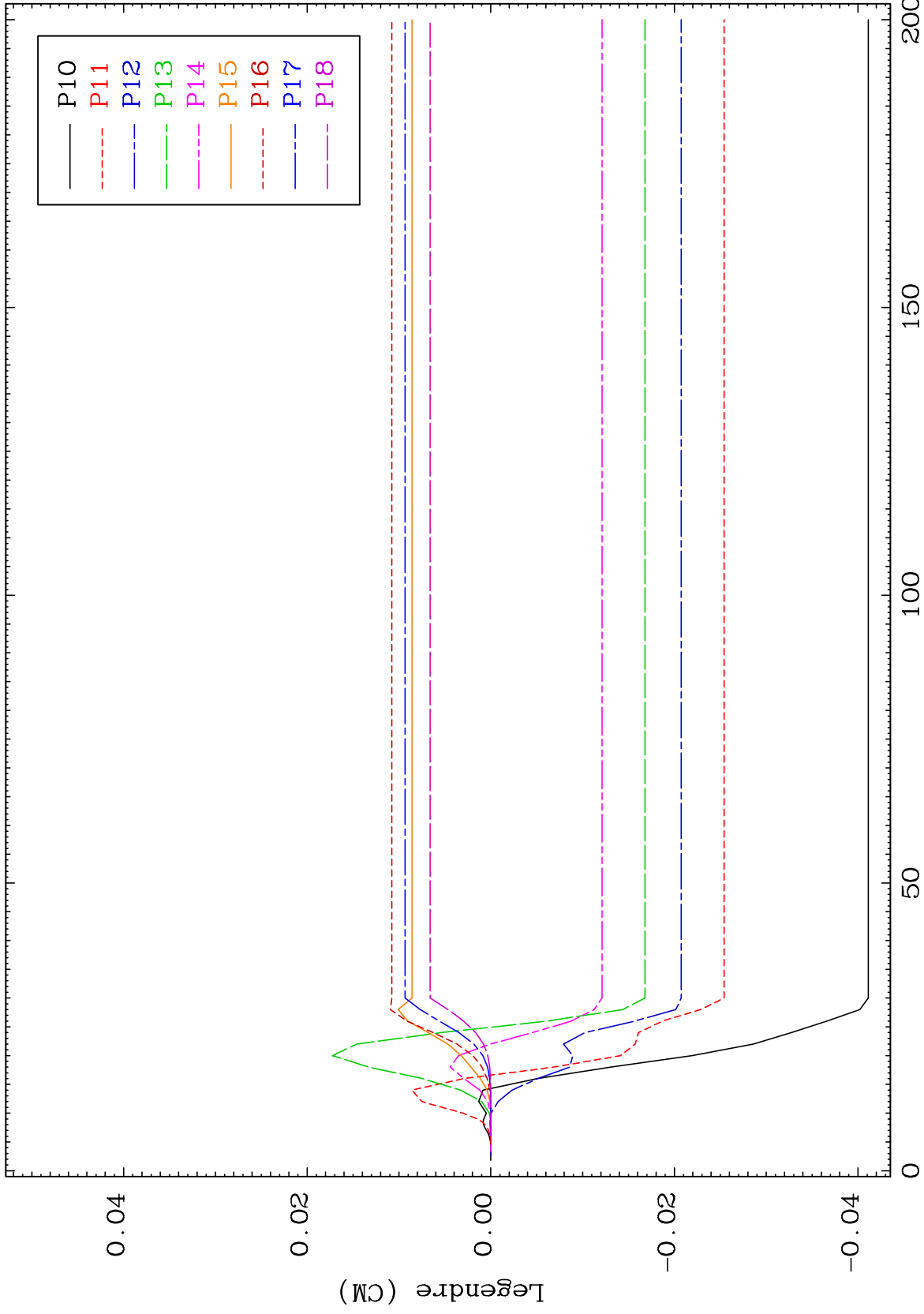
Incident Energy (MeV)

88

MAT 4143

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

41-Nb-99



89

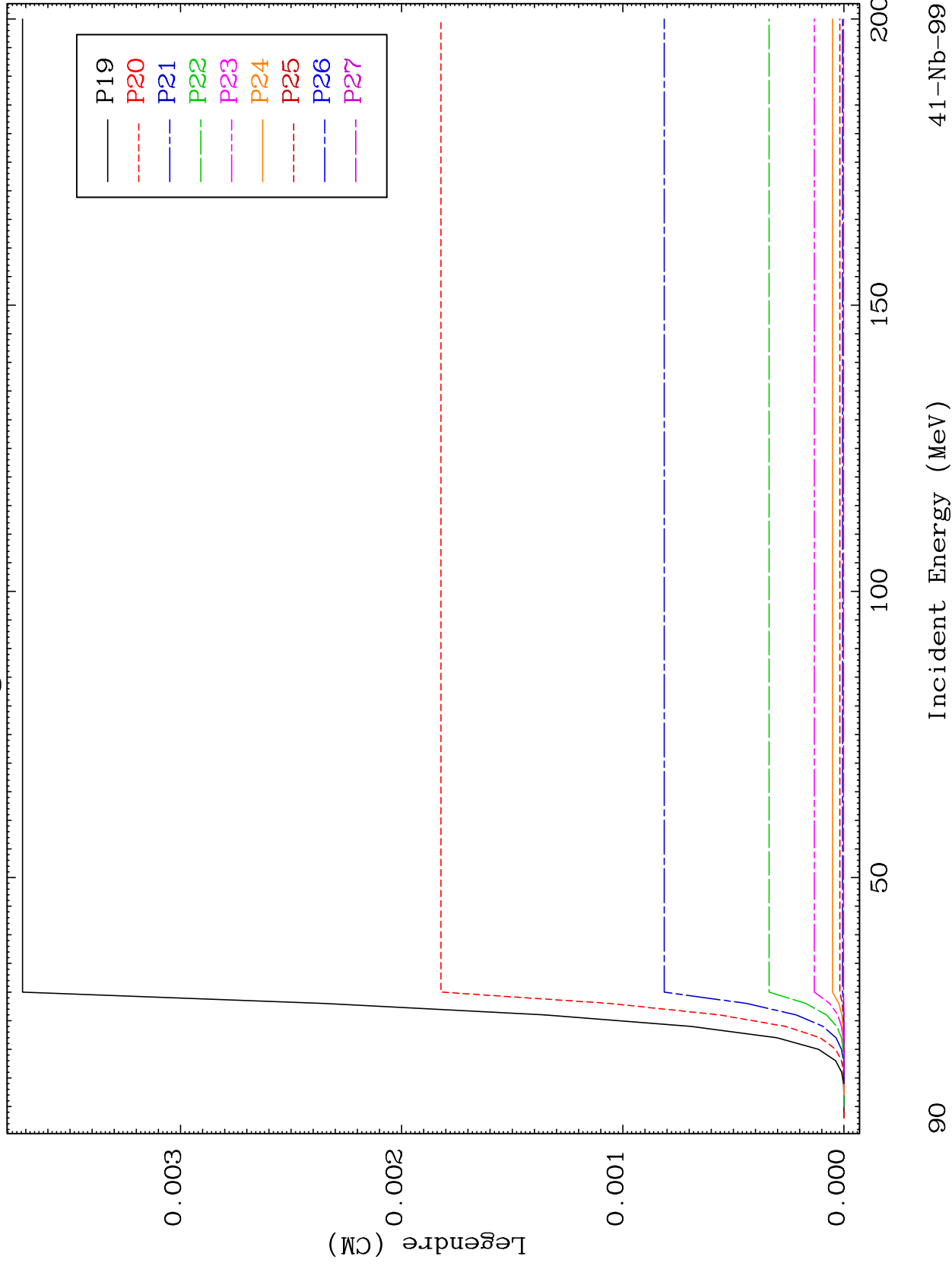
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



90

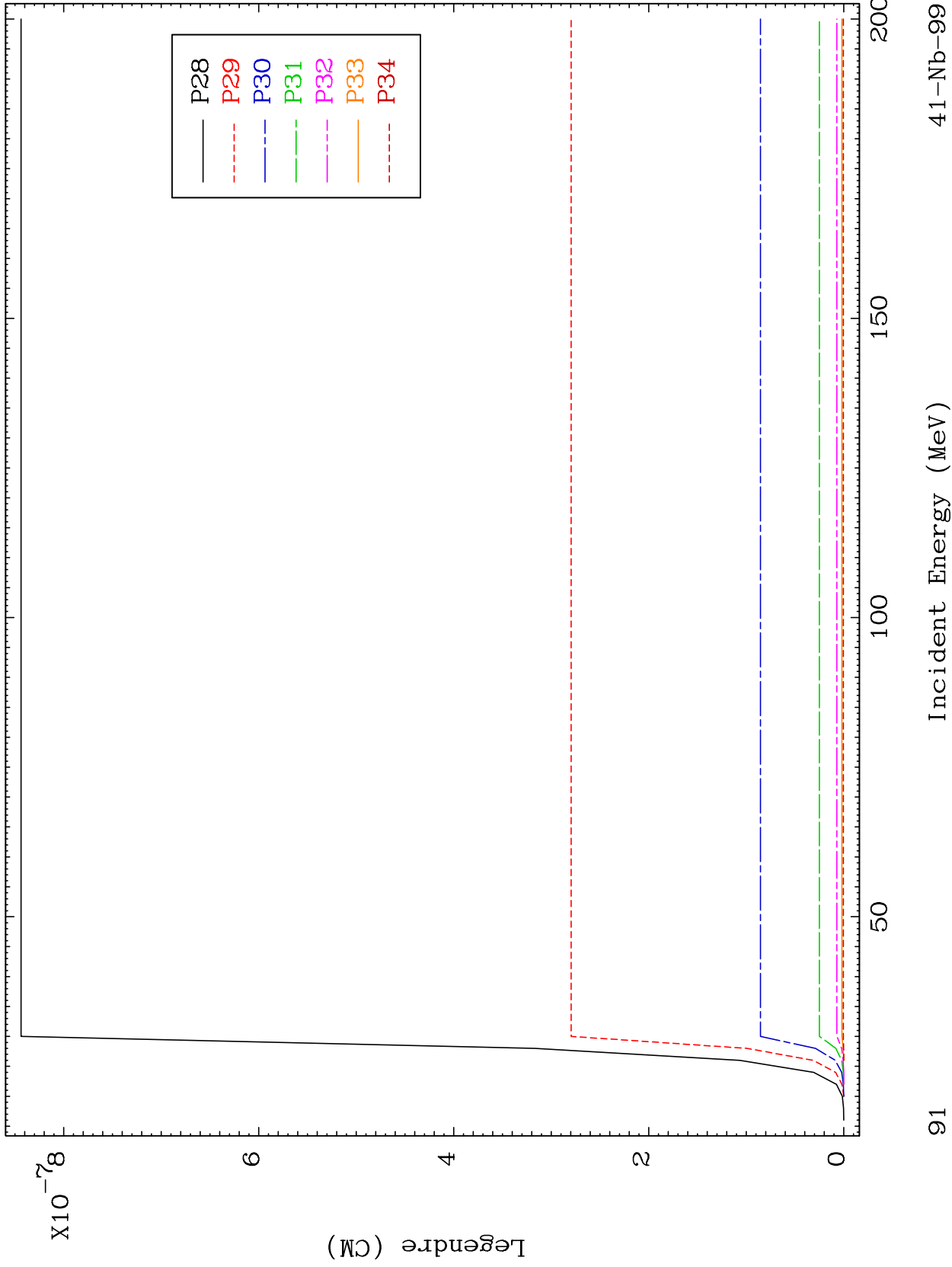
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



91

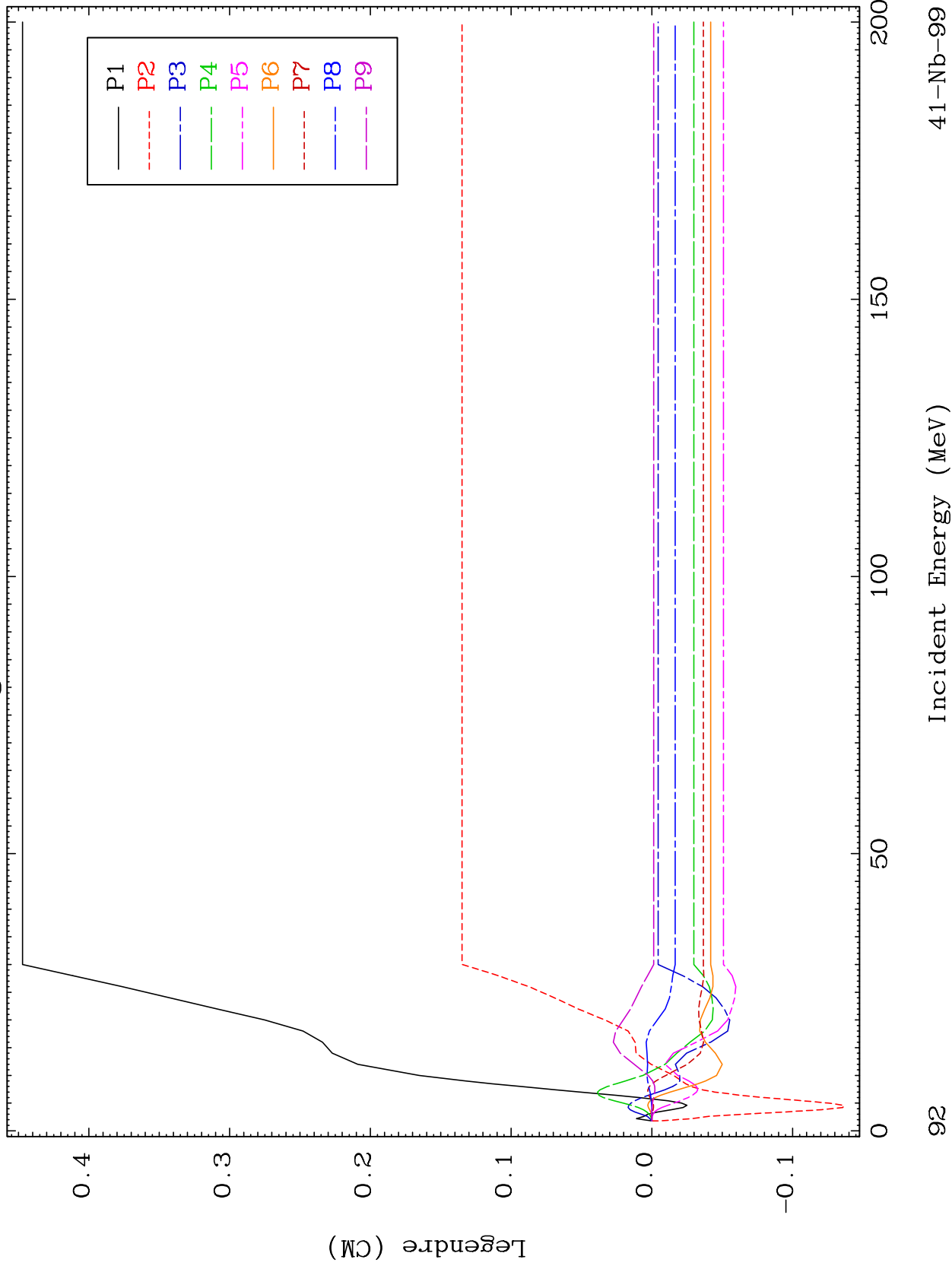
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

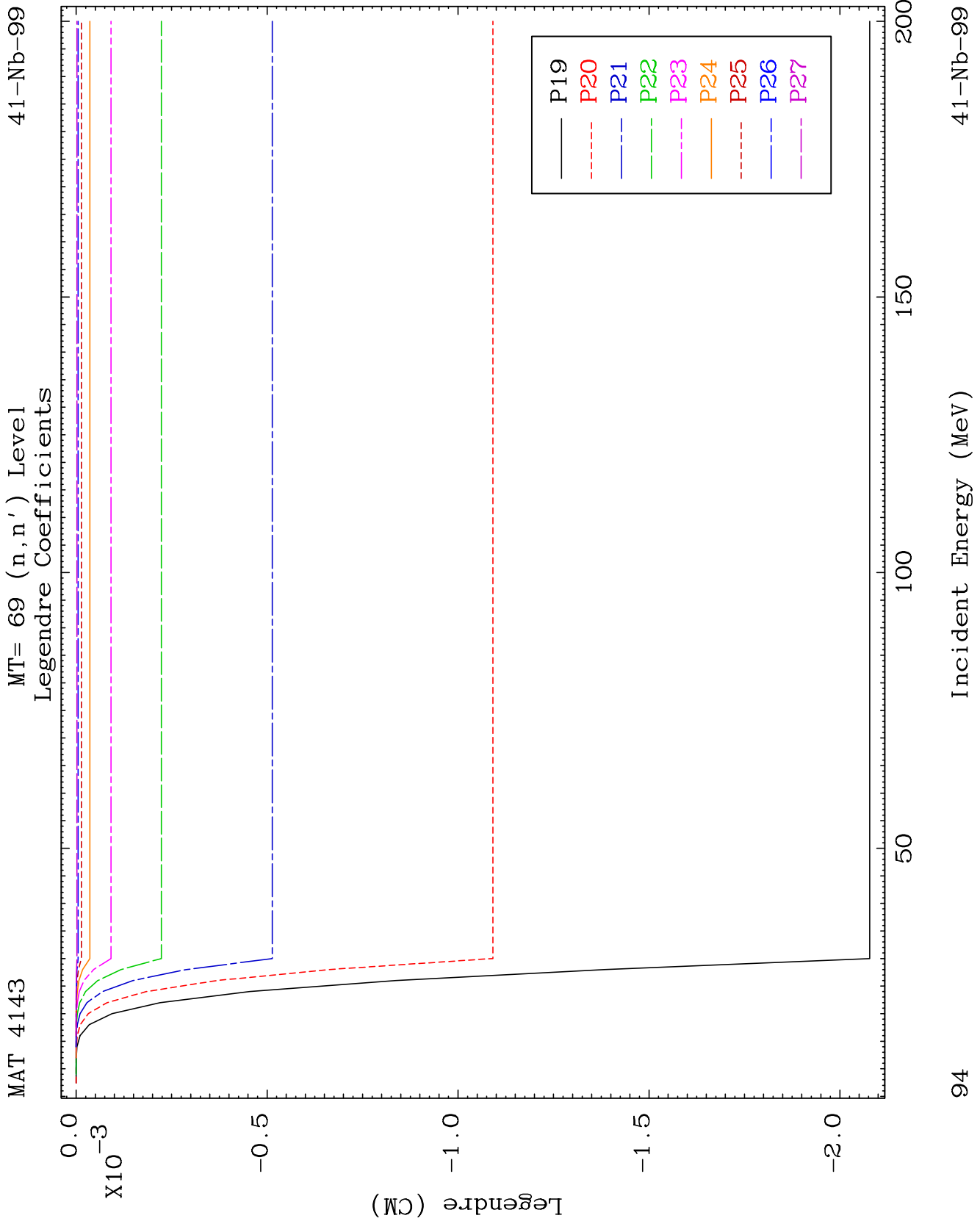
41-Nb-99

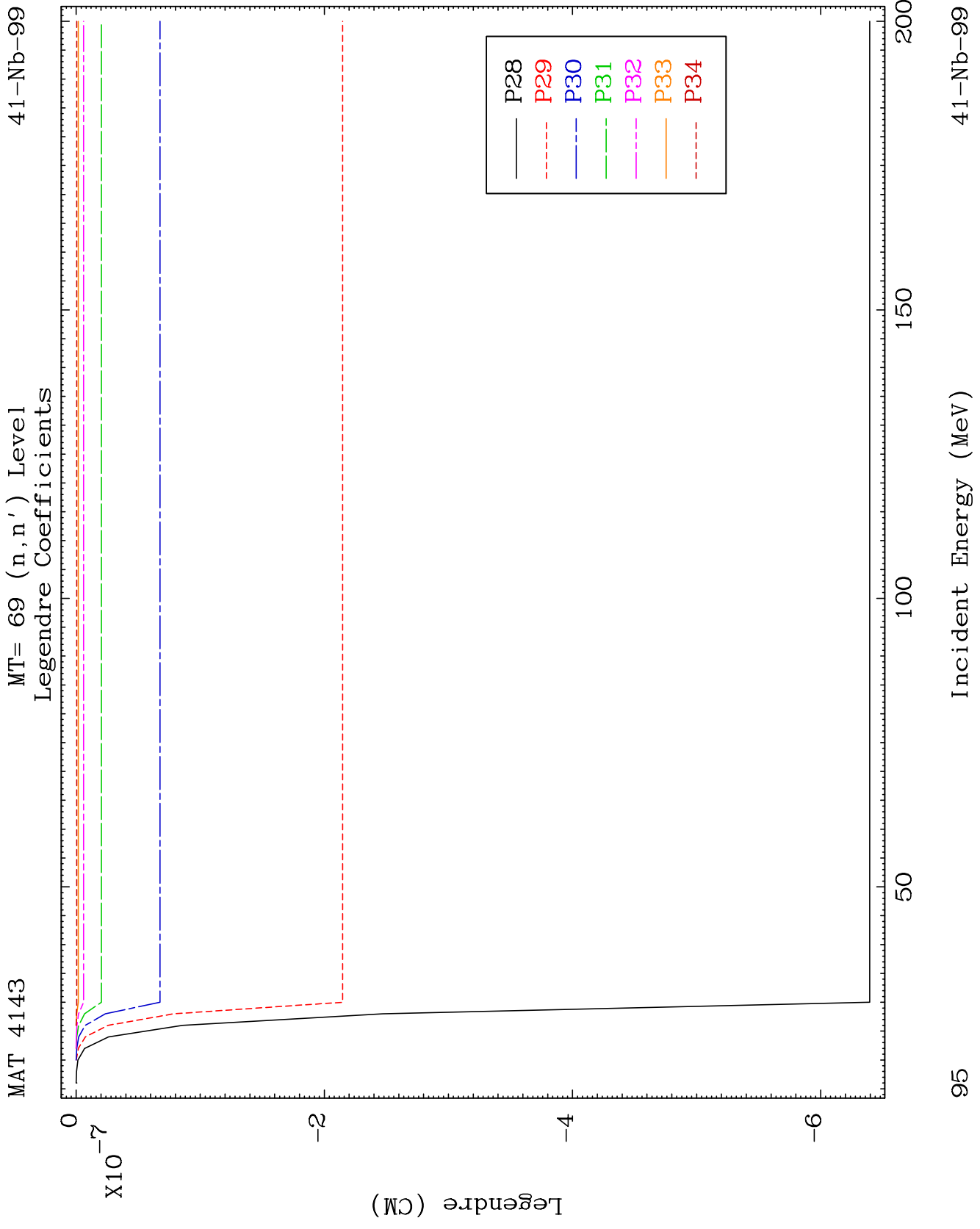


41-Nb-99

Incident Energy (MeV)

92

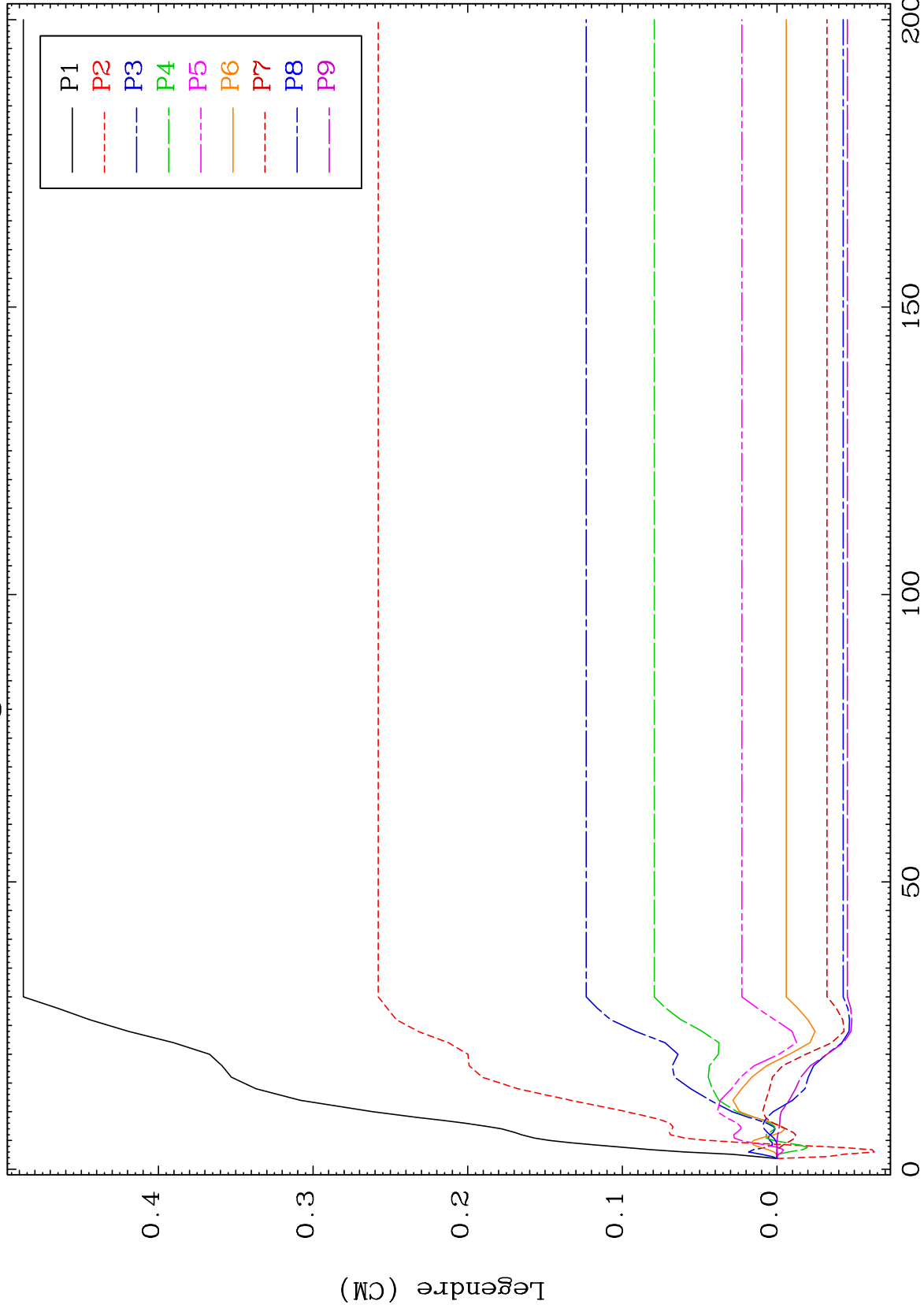




MAT 4143

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

41-Nb-99



96

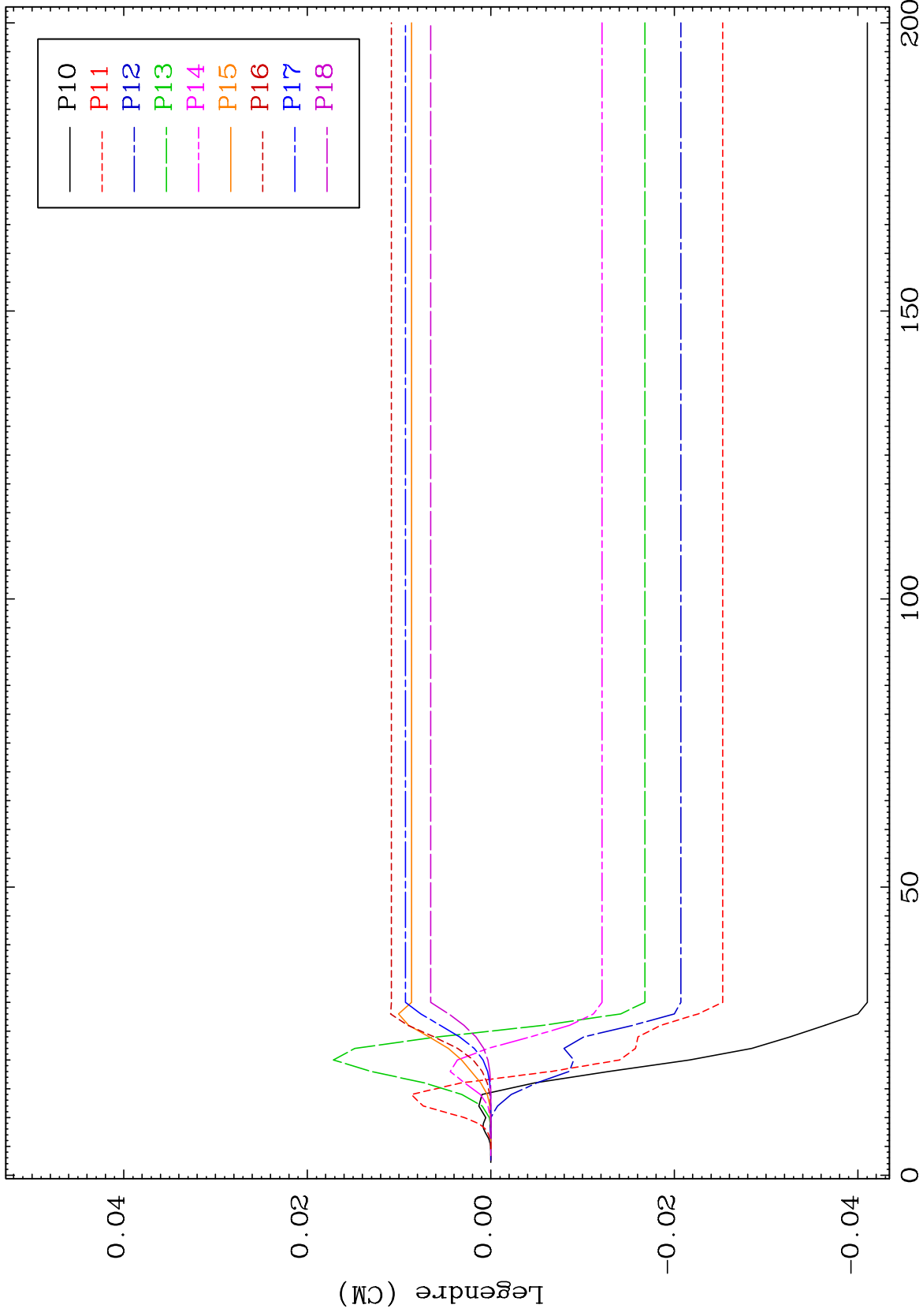
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



97

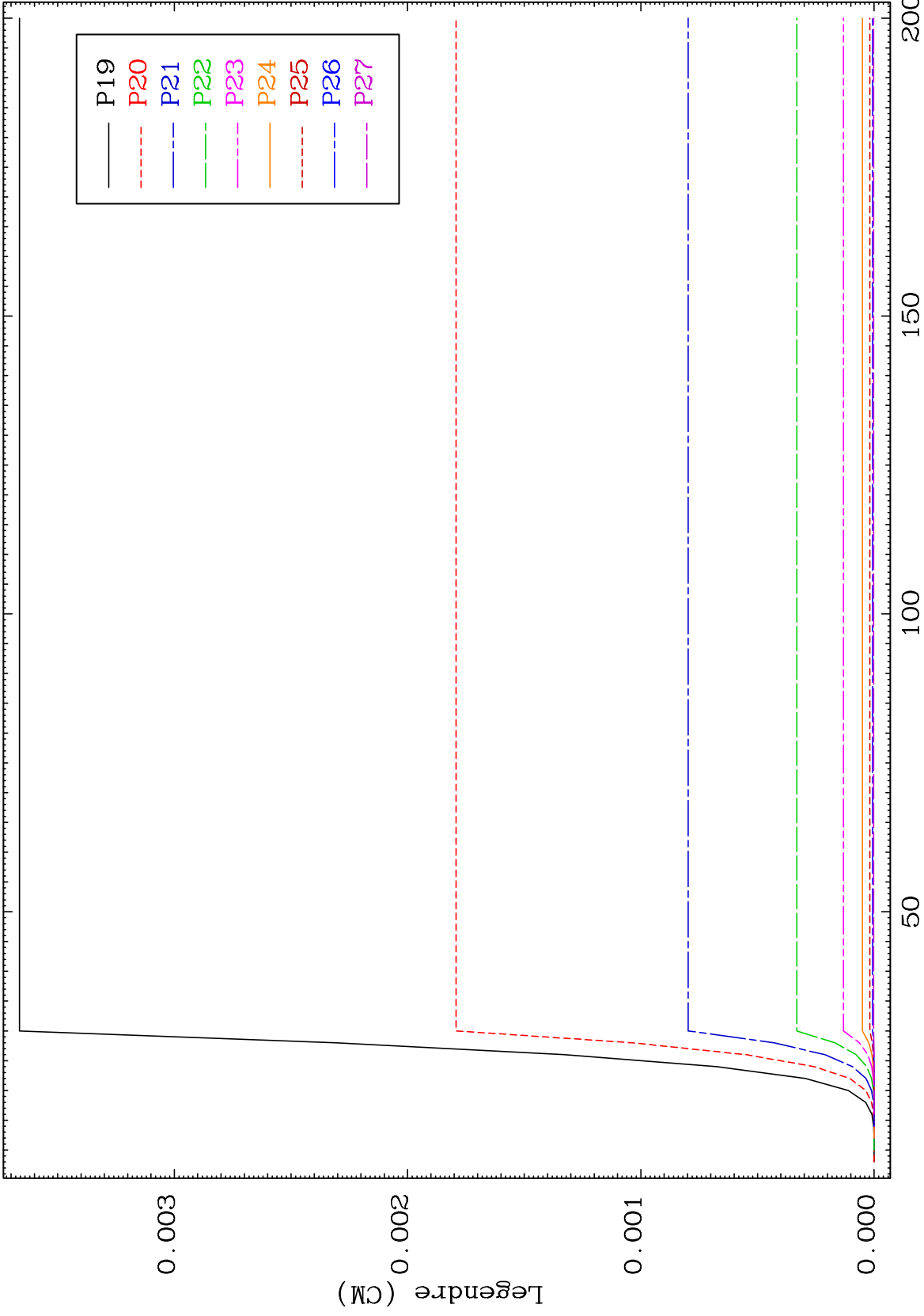
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



98

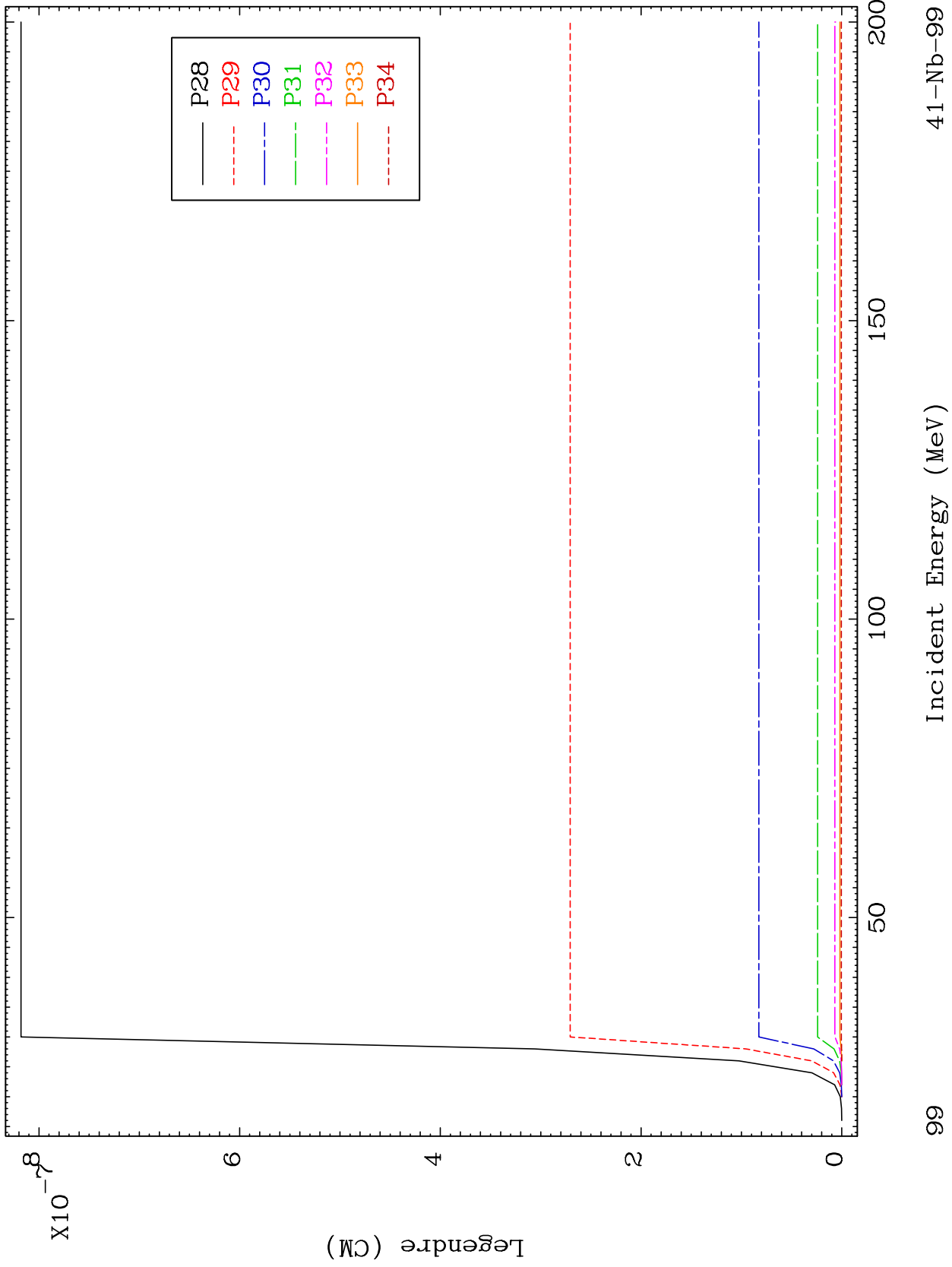
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

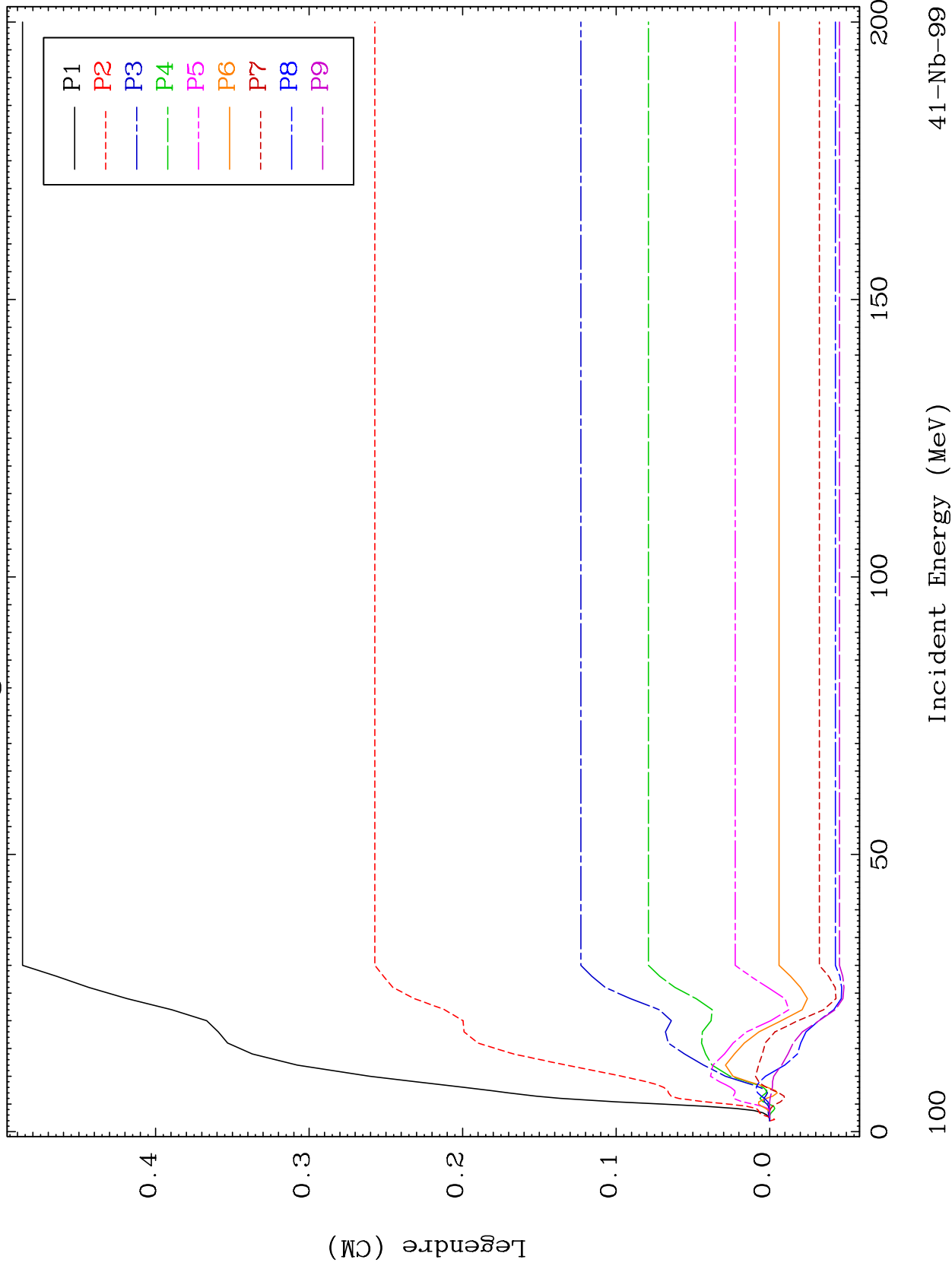
41-Nb-99



MAT 4143

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

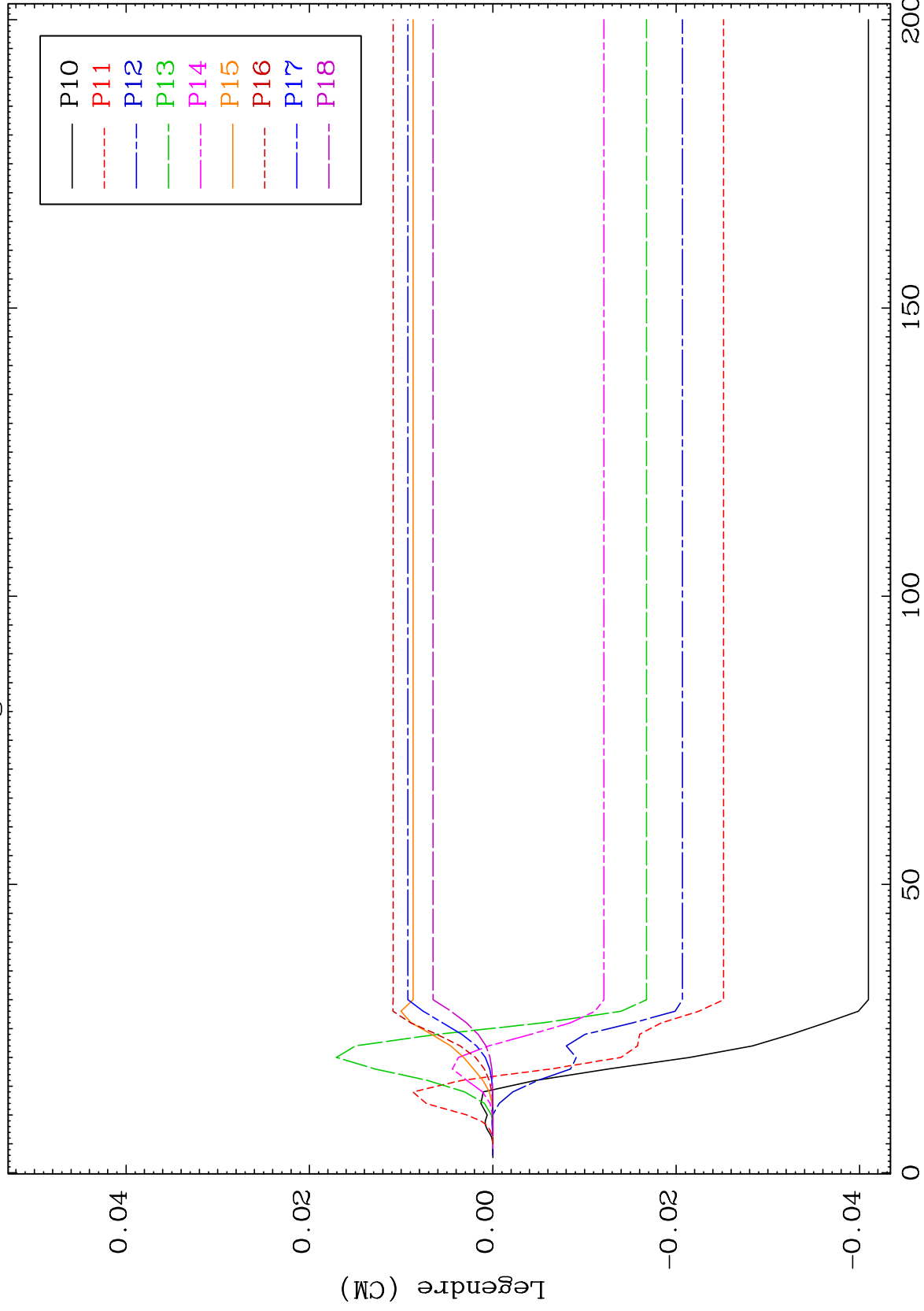
41-Nb-99



MAT 4143

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

41-Nb-99



101

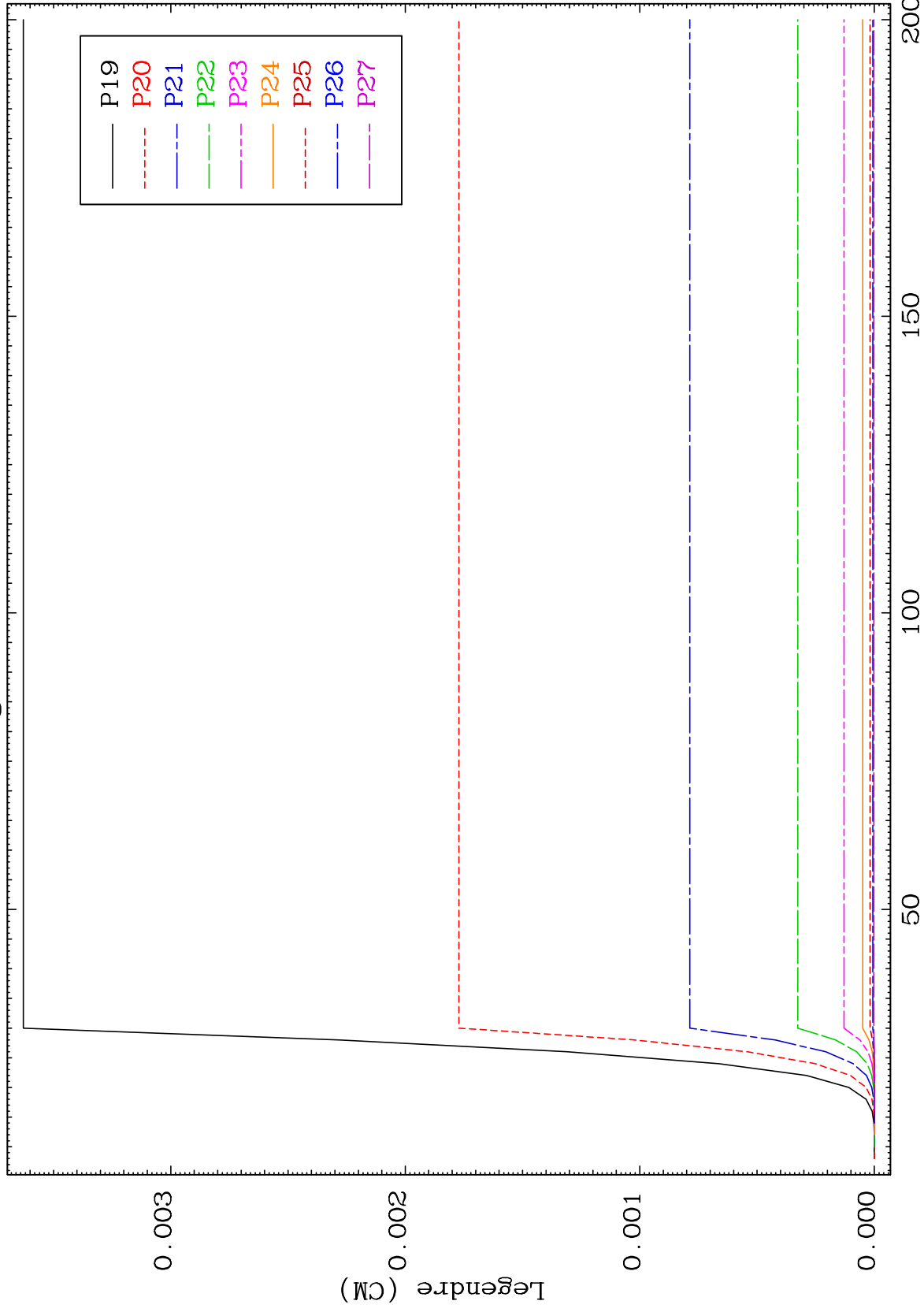
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



102

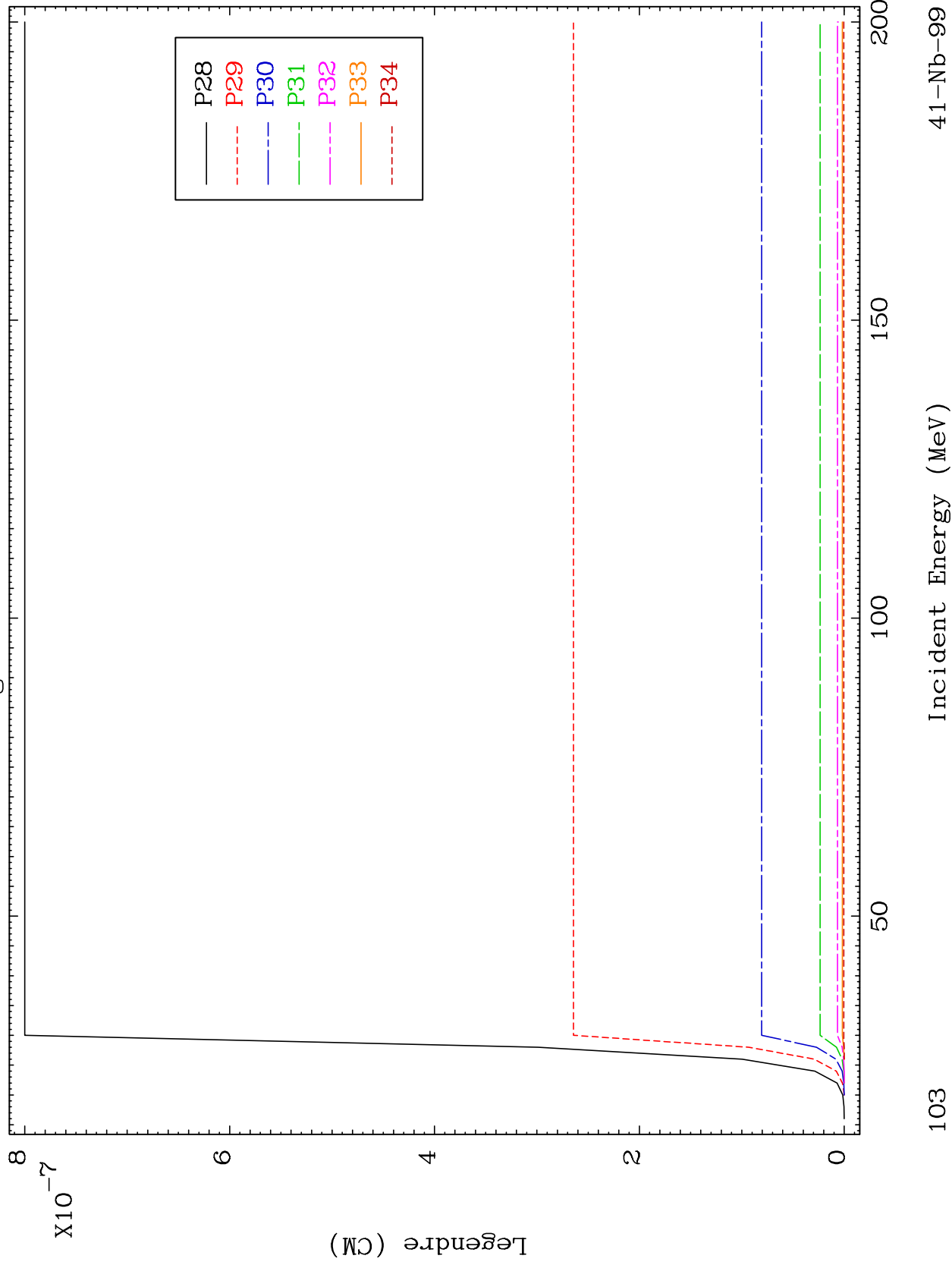
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

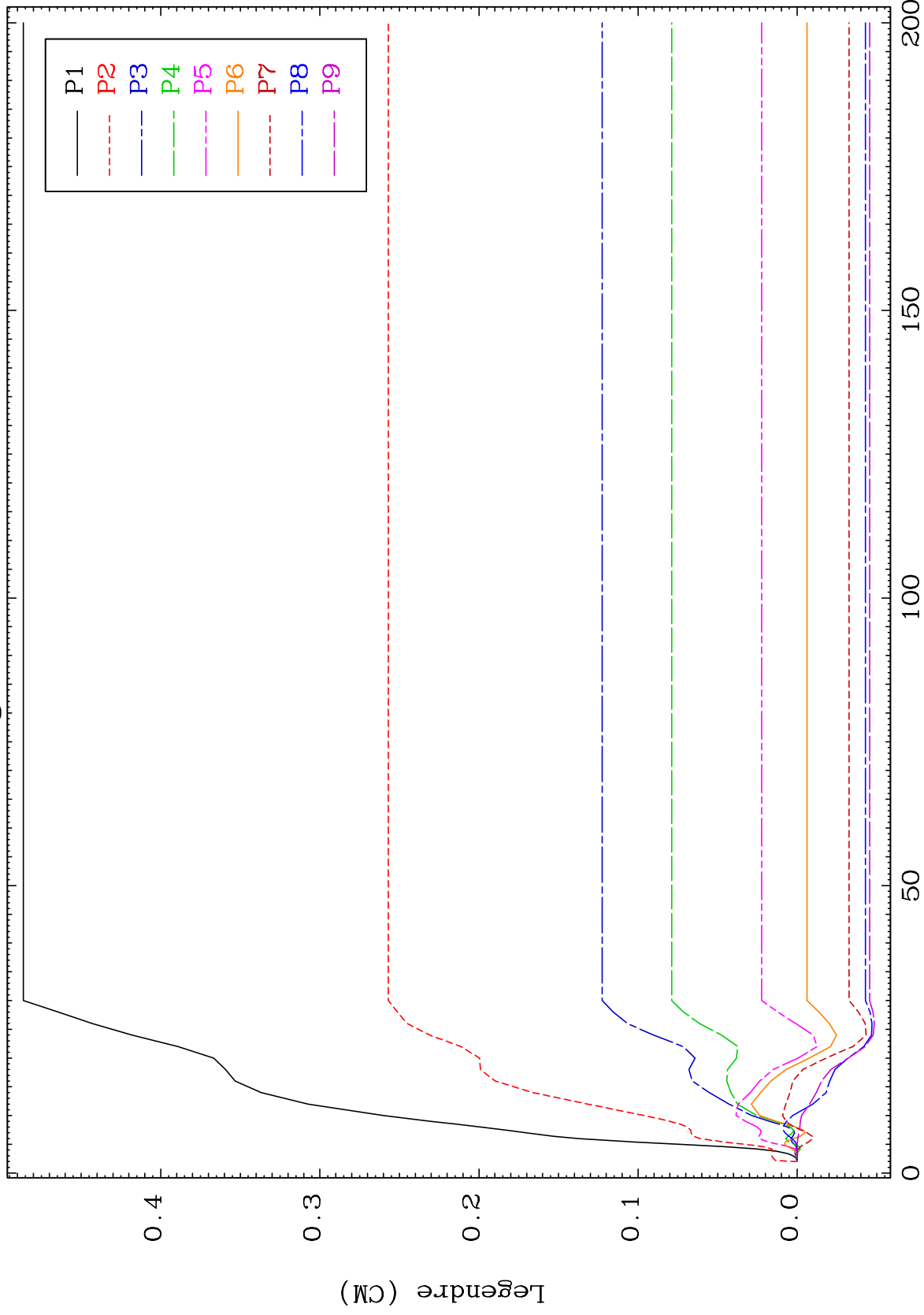
41-Nb-99



MAT 4143

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

41-Nb-99



104

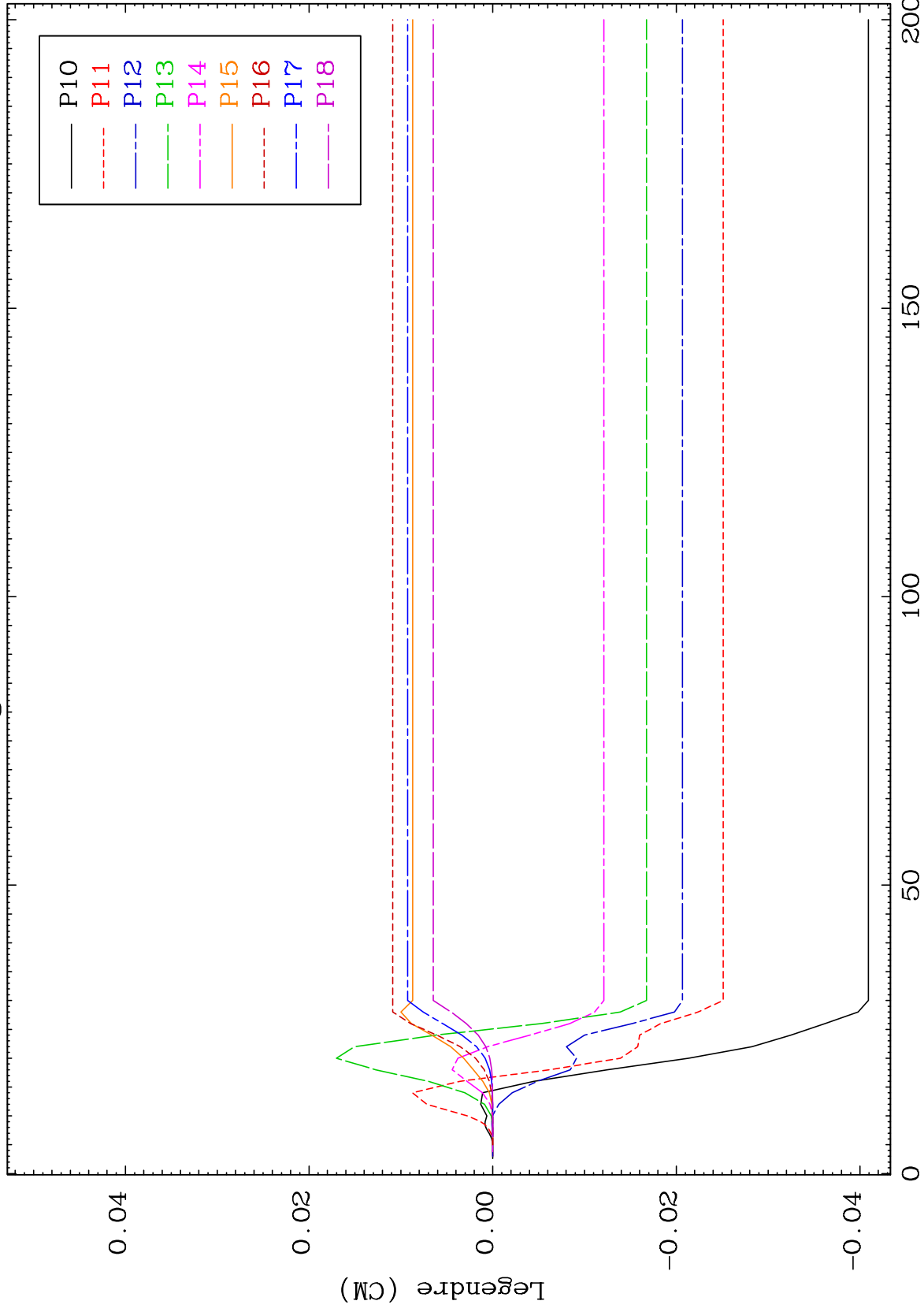
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



105

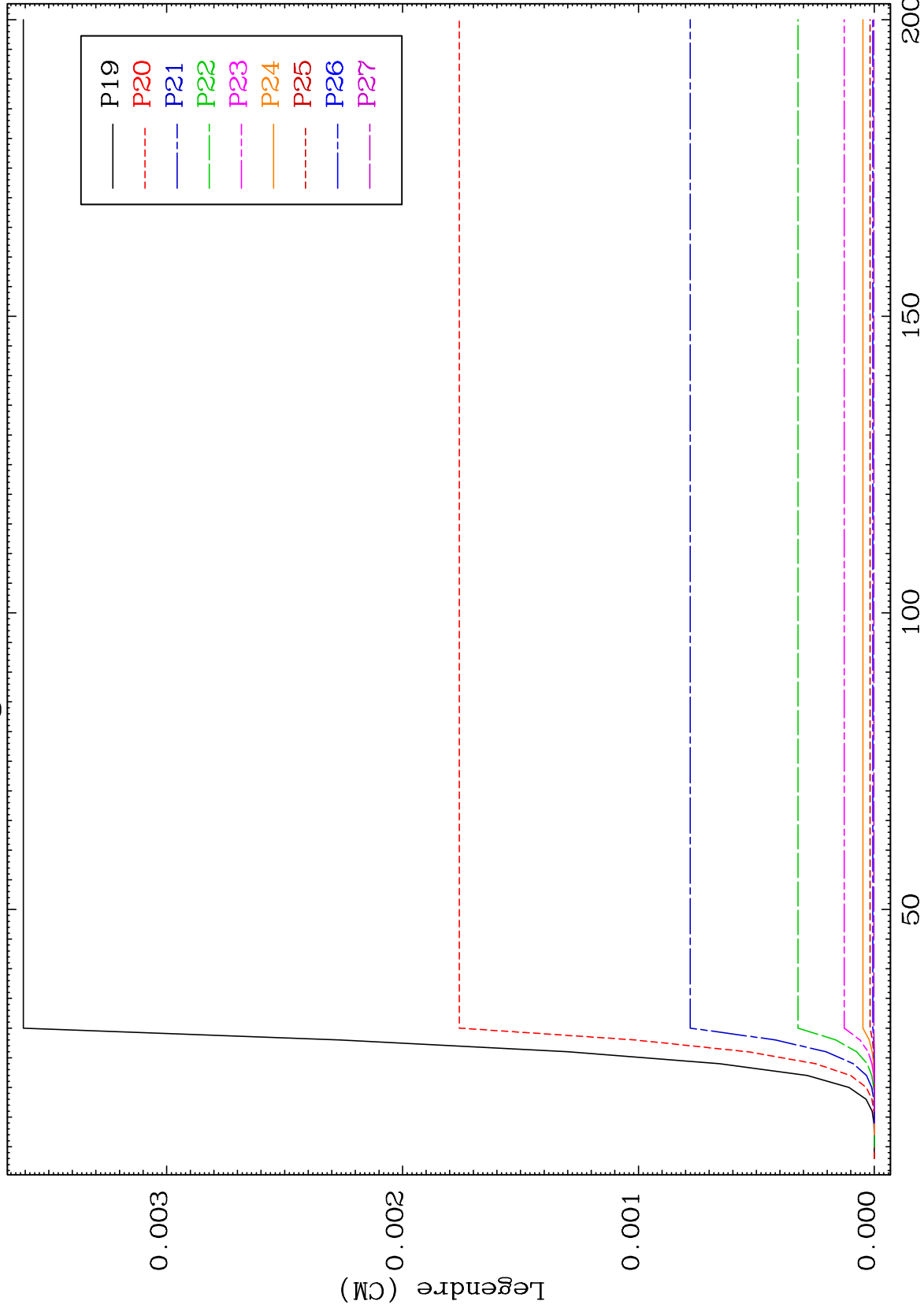
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



106

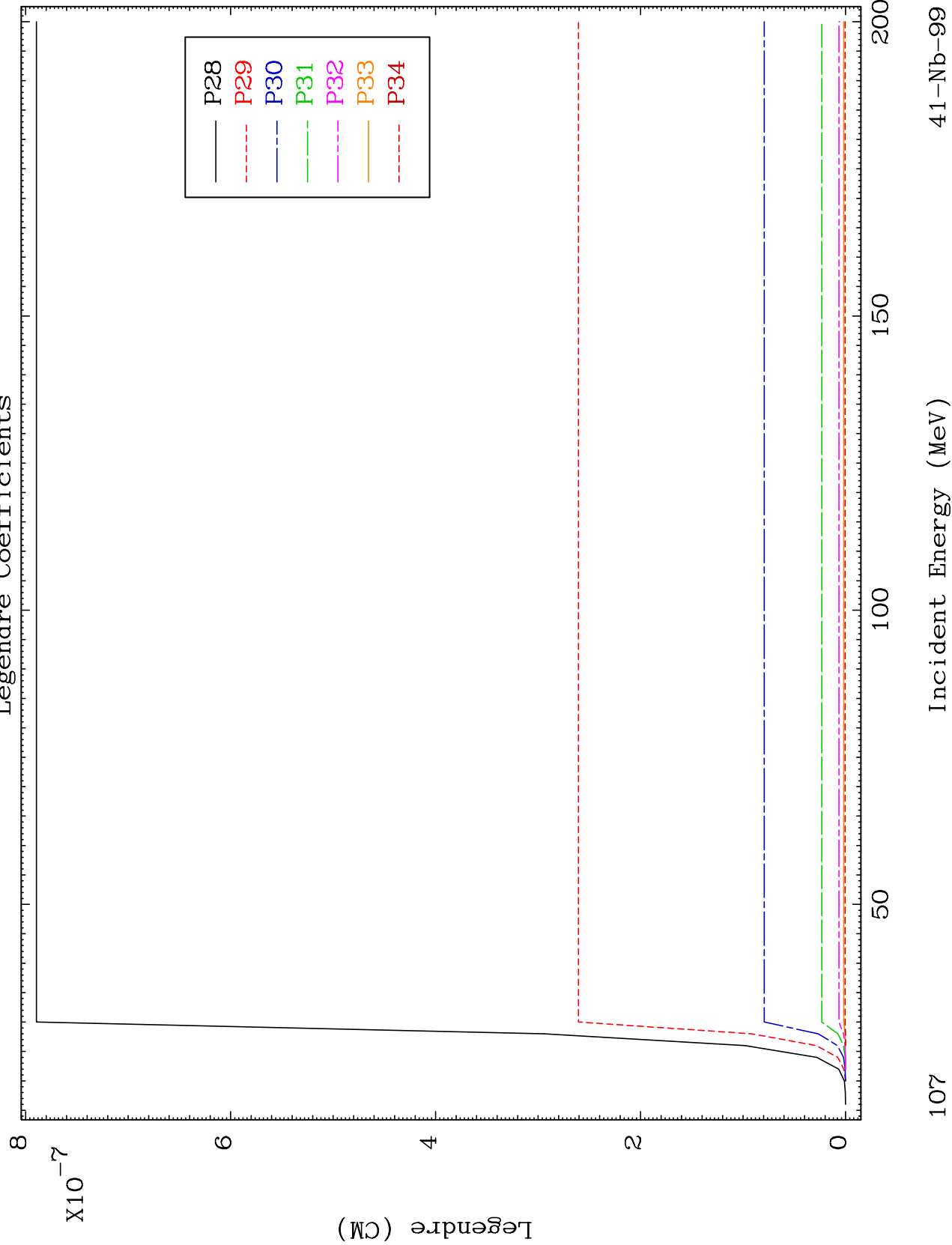
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



107

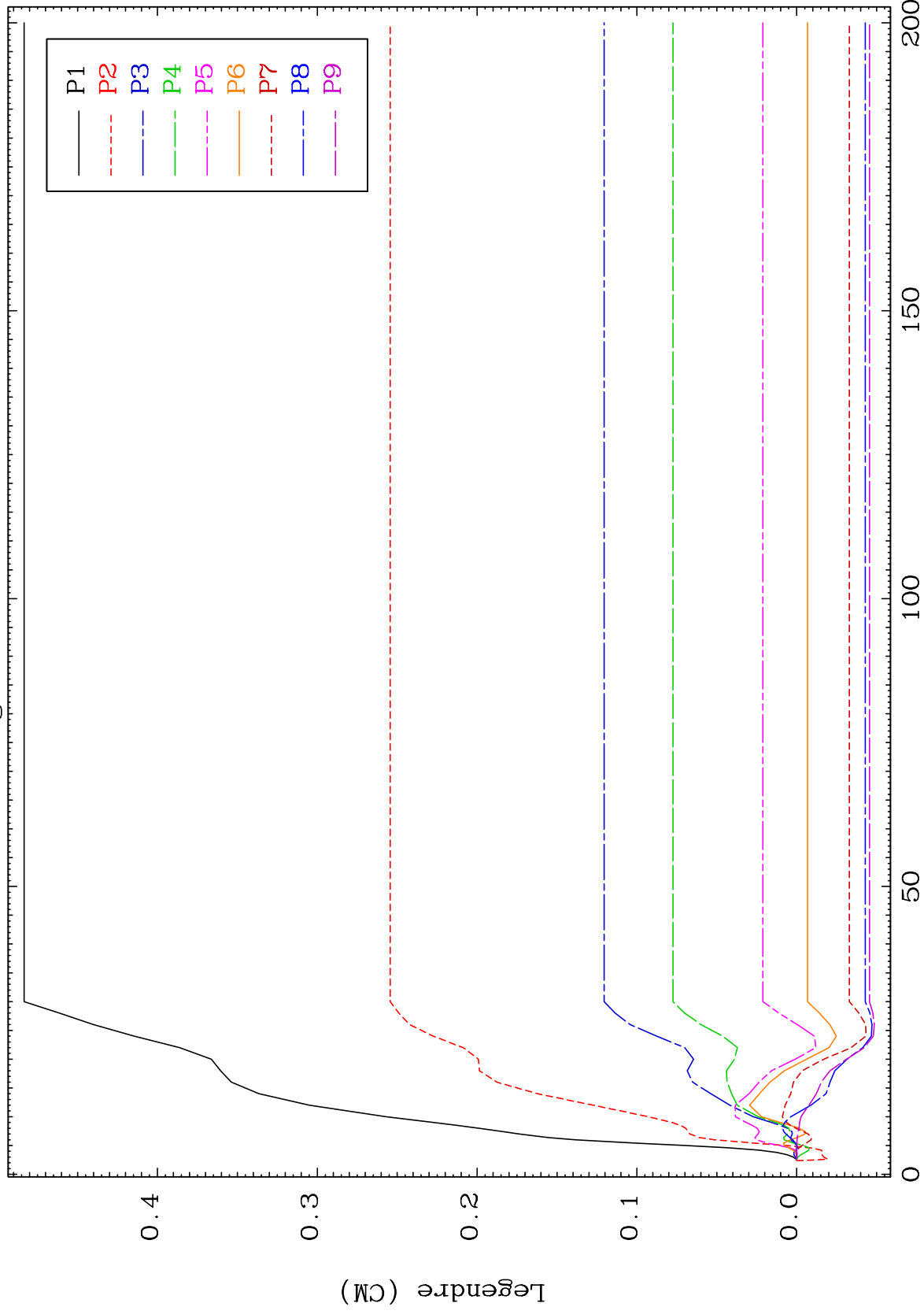
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



108

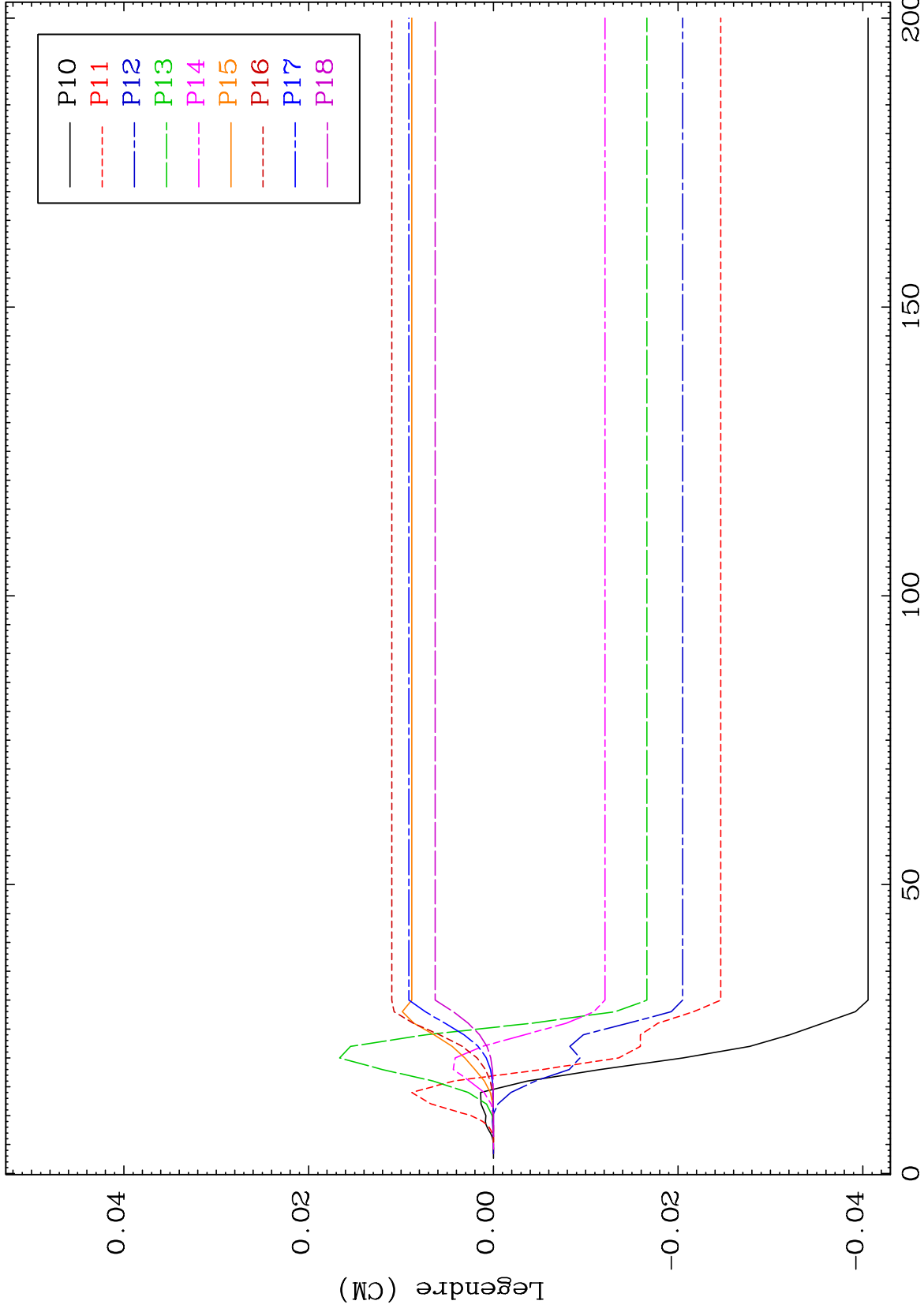
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



109

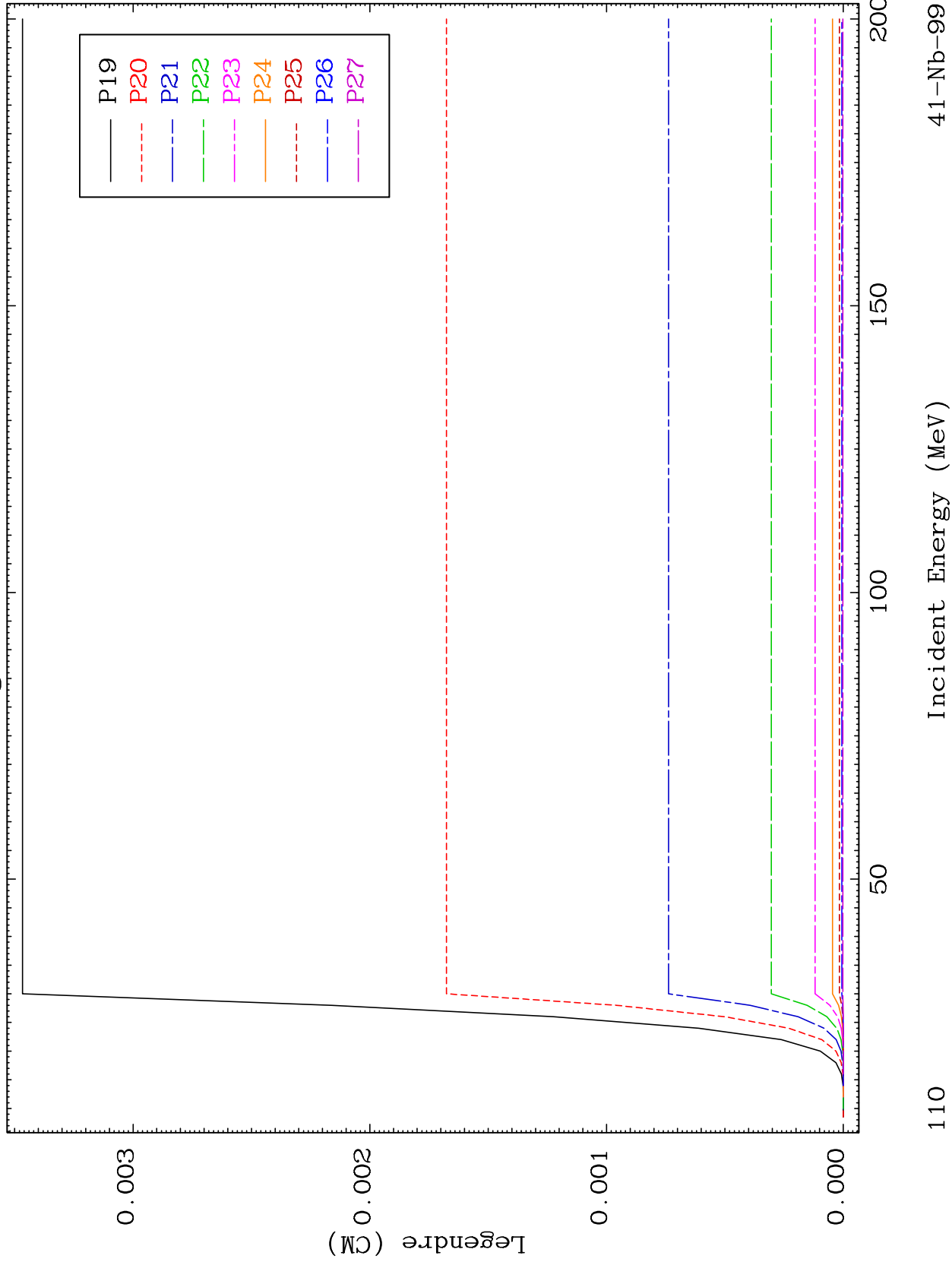
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



110

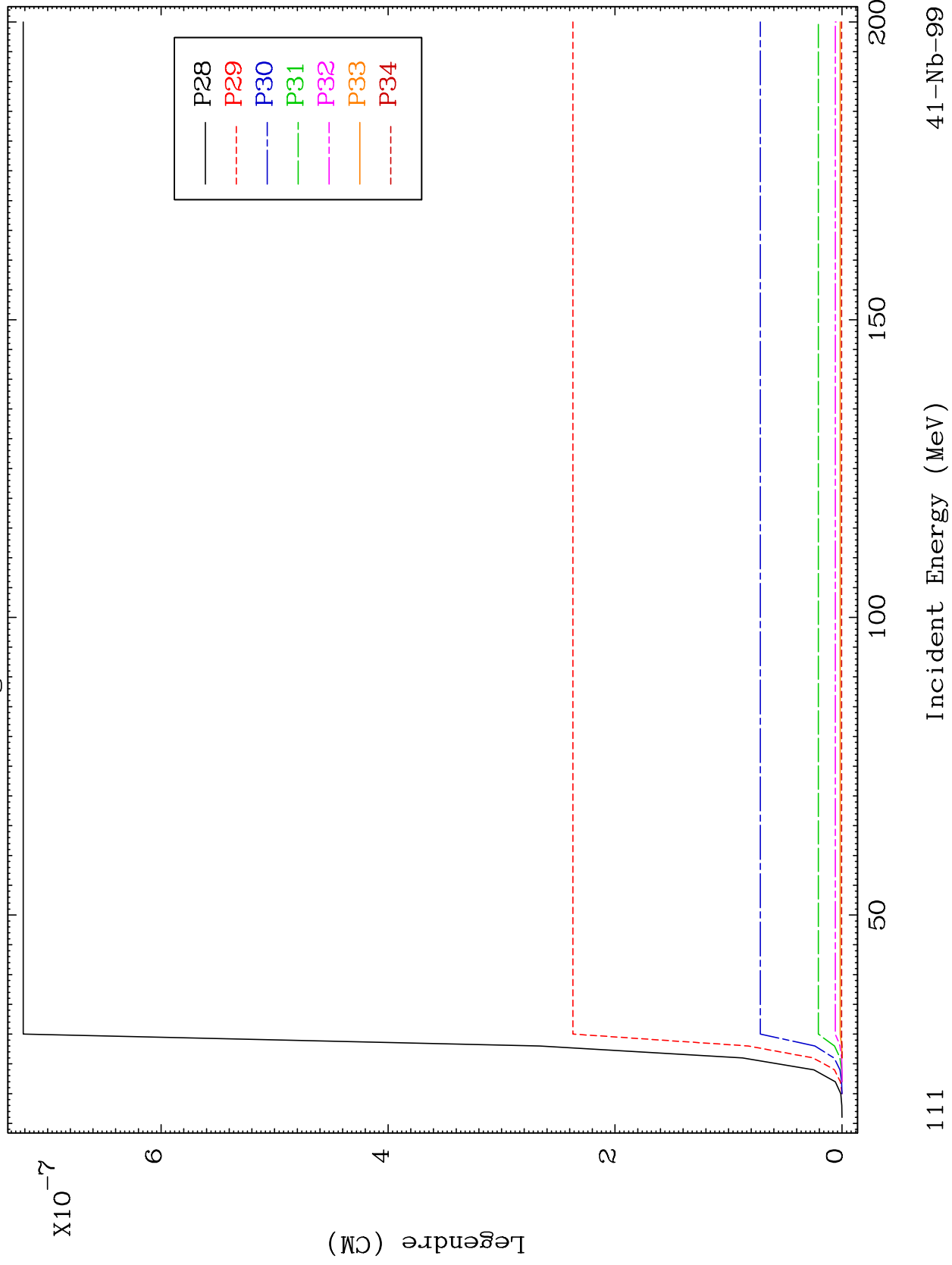
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

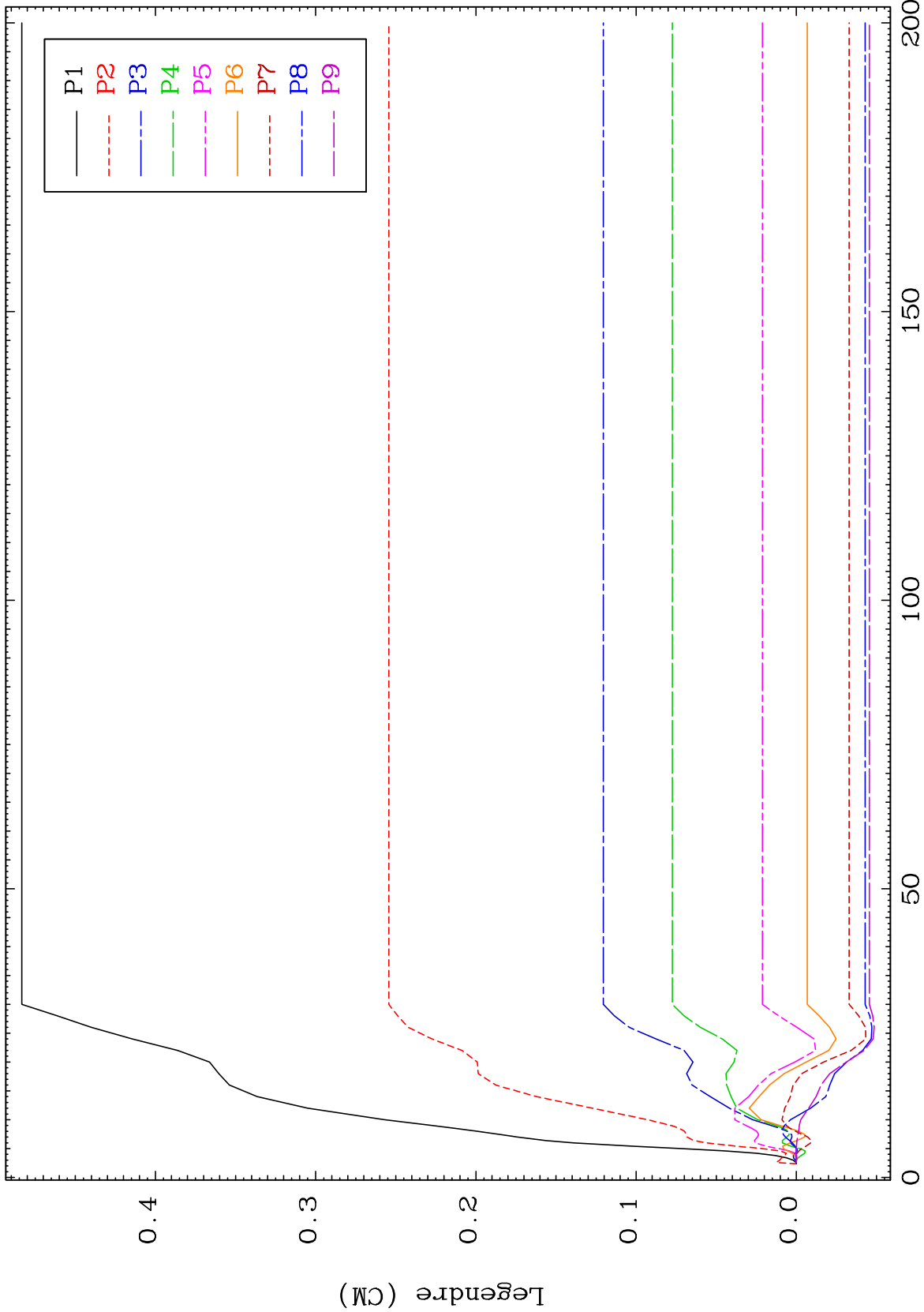
41-Nb-99



MAT 4143

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

41-Nb-99



112

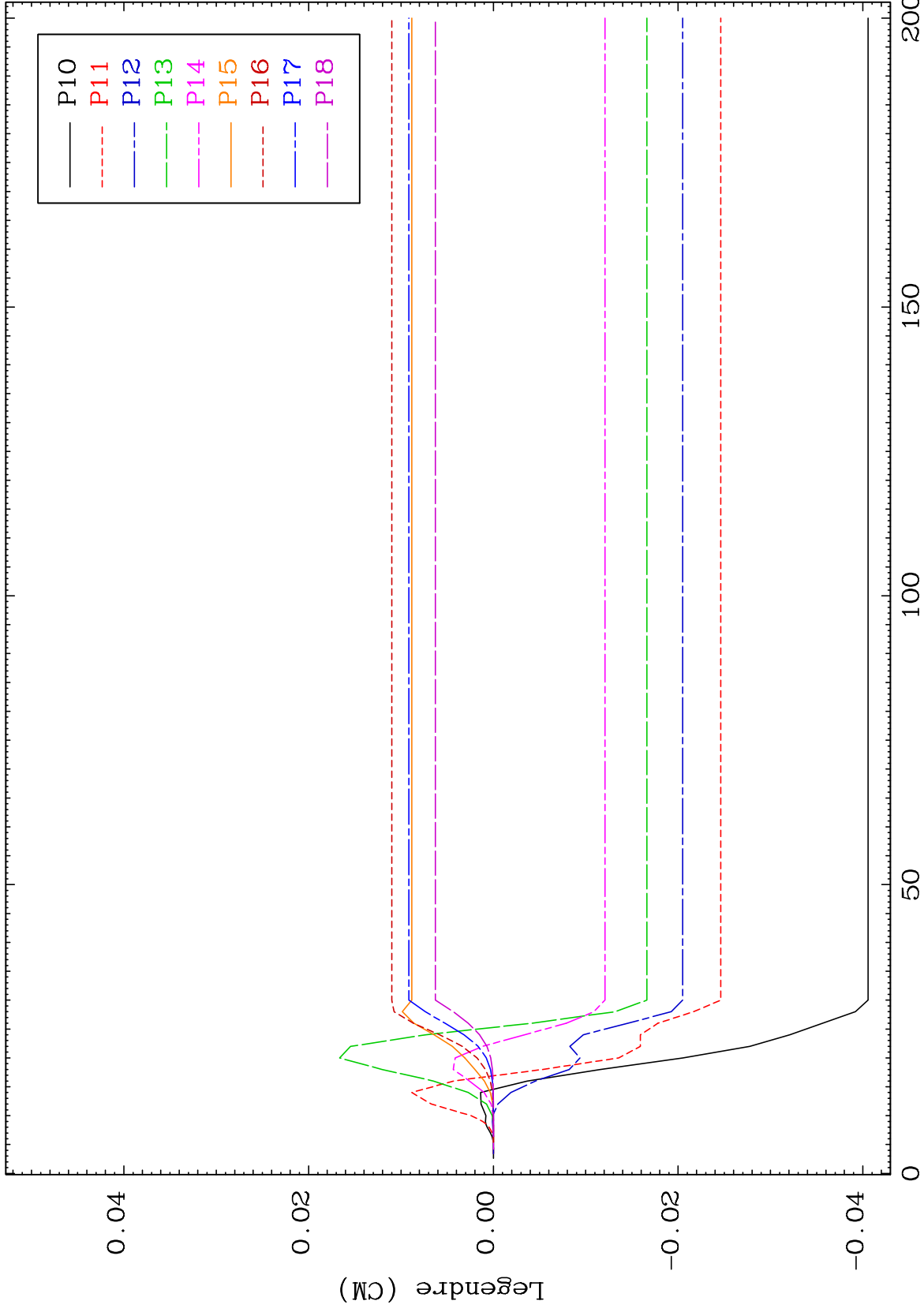
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



113

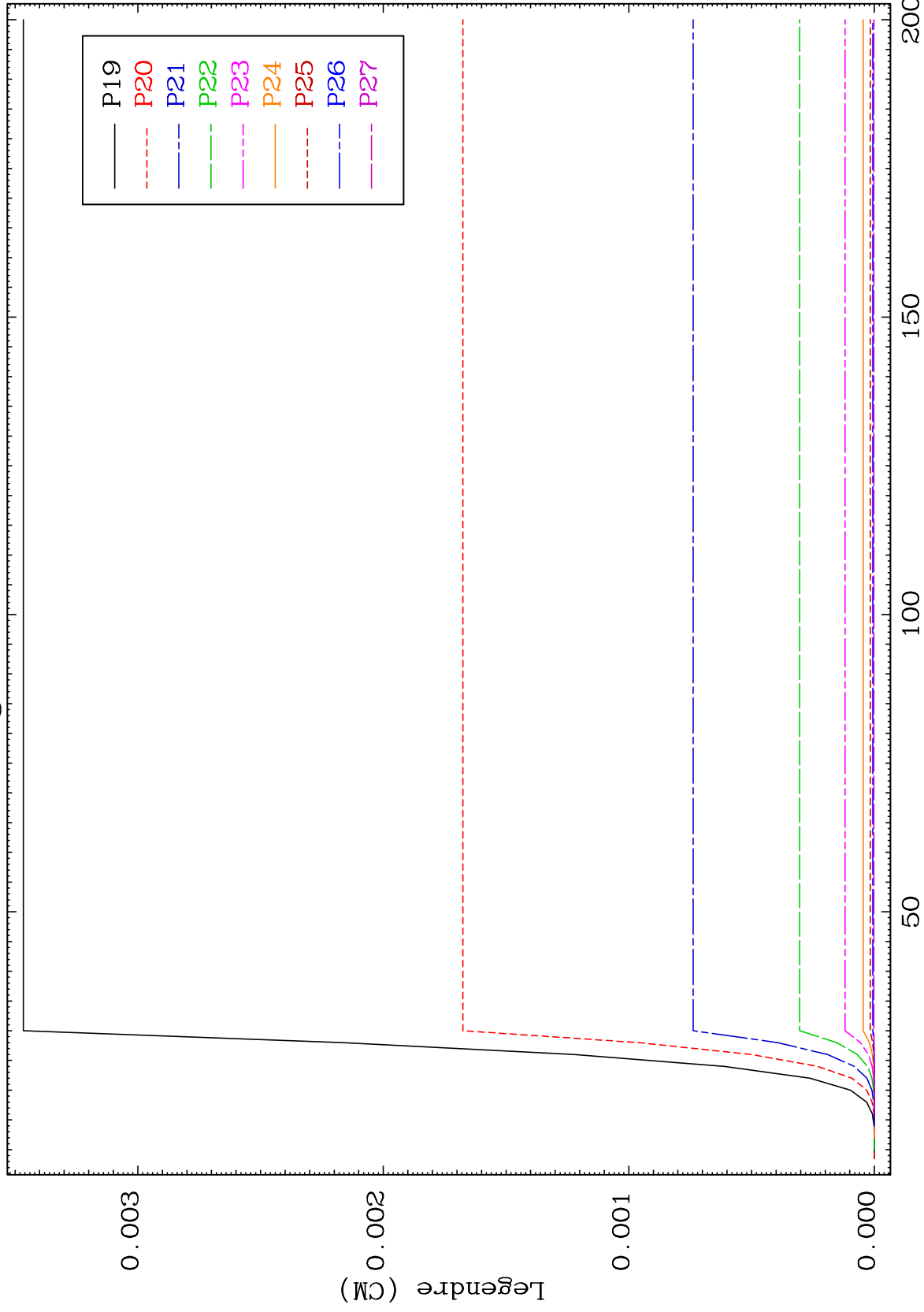
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



114

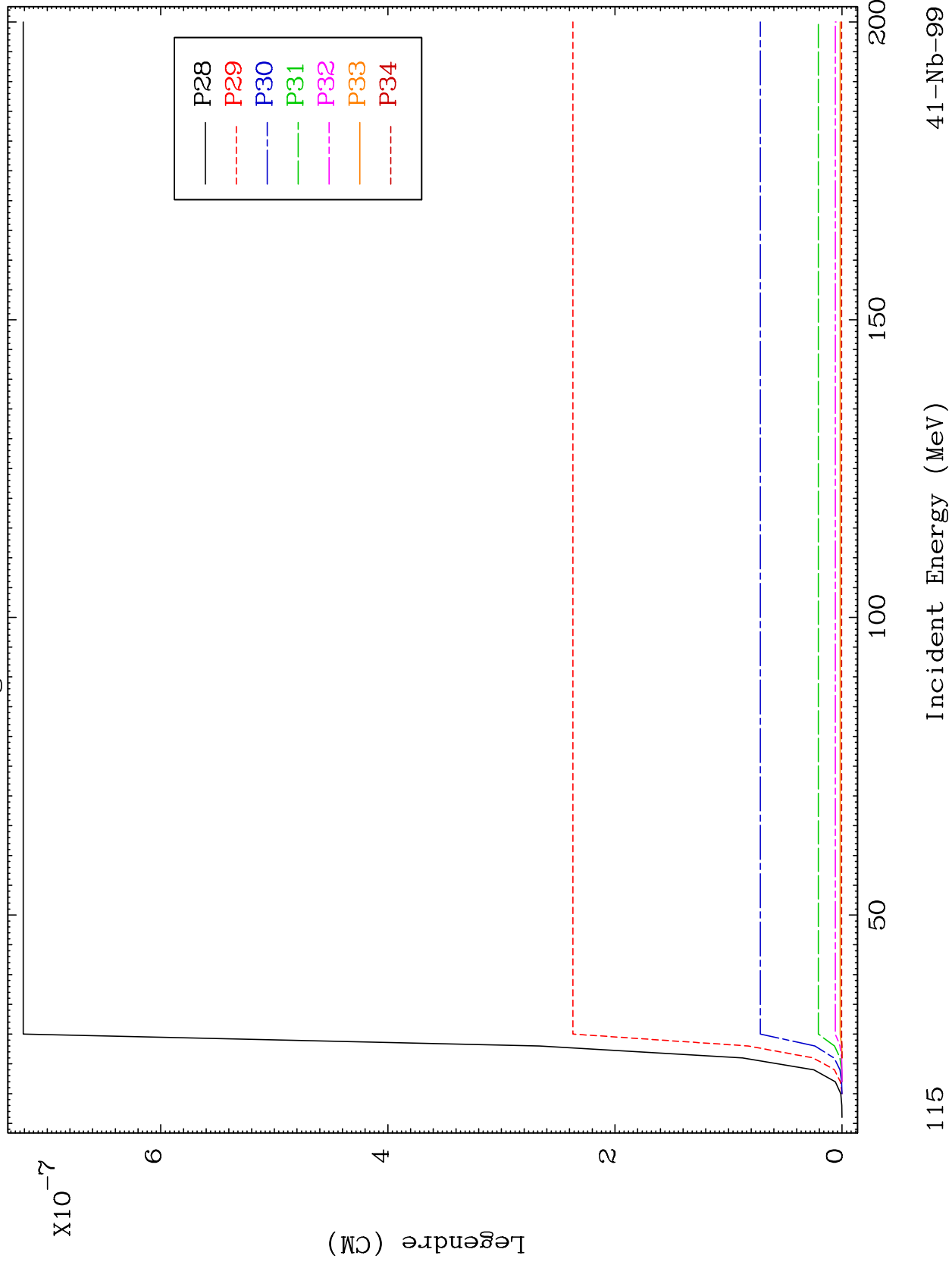
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

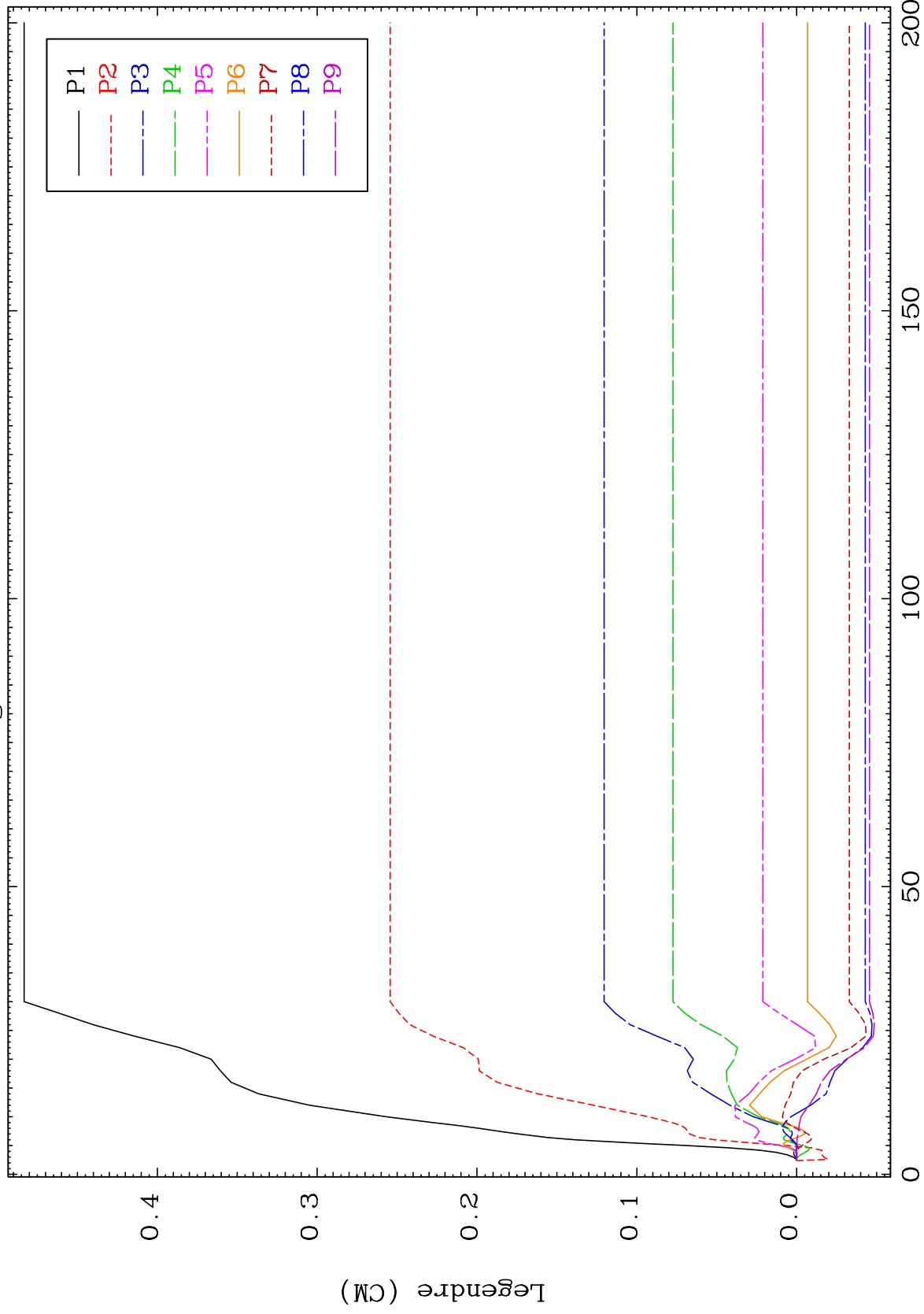
41-Nb-99



MAT 4143

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

41-Nb-99



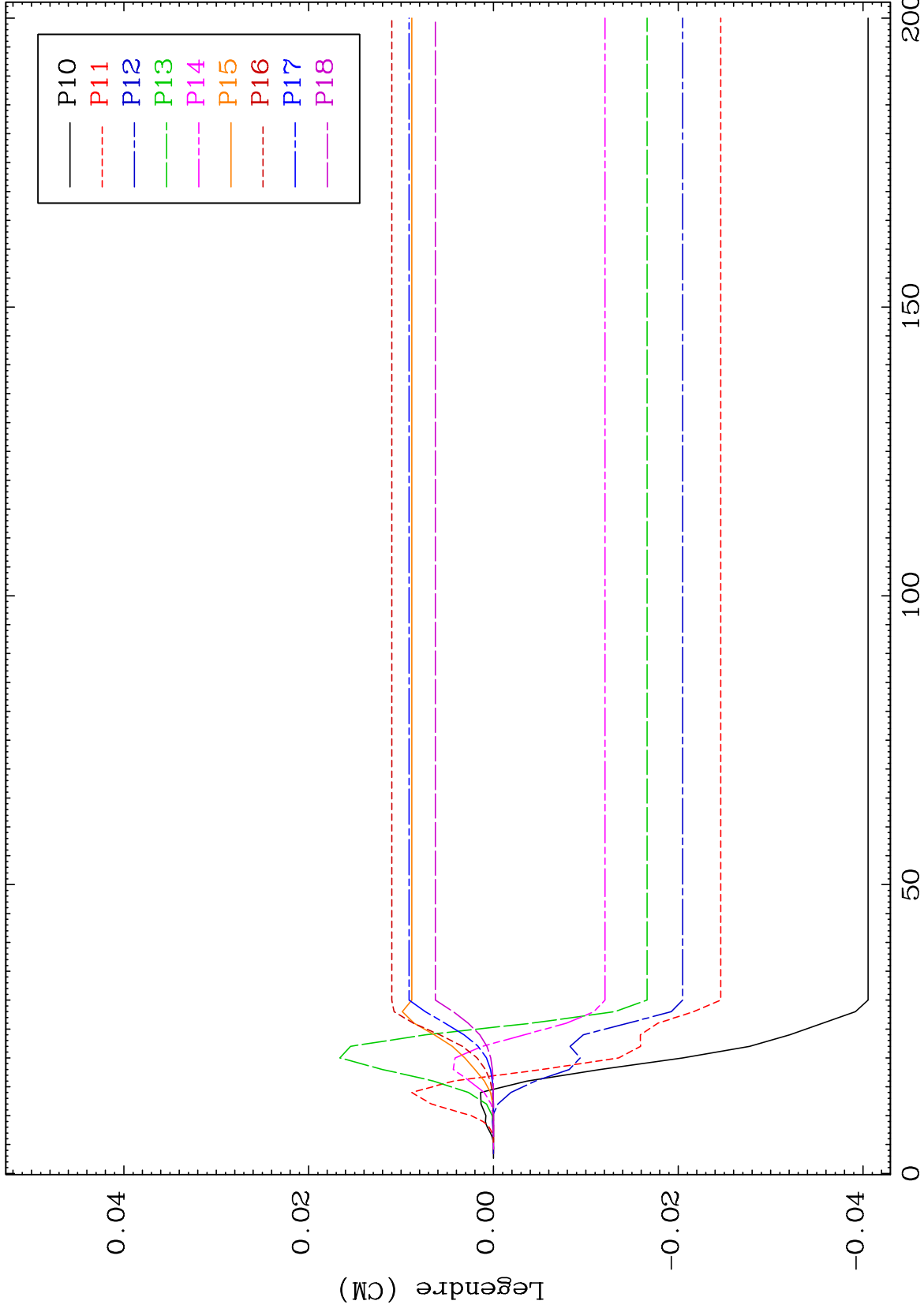
116

41-Nb-99

MAT 4143

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

41-Nb-99



117

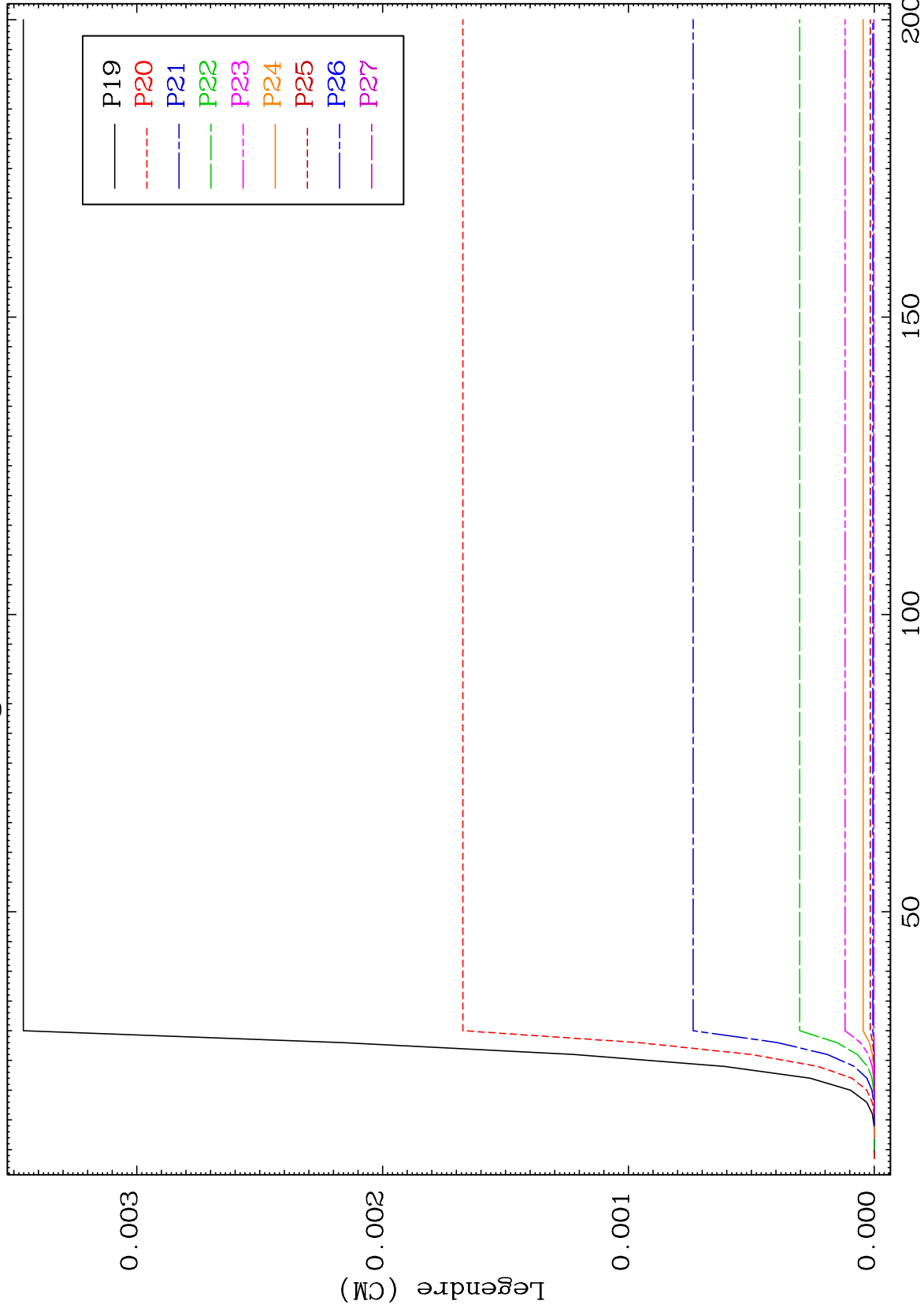
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



118

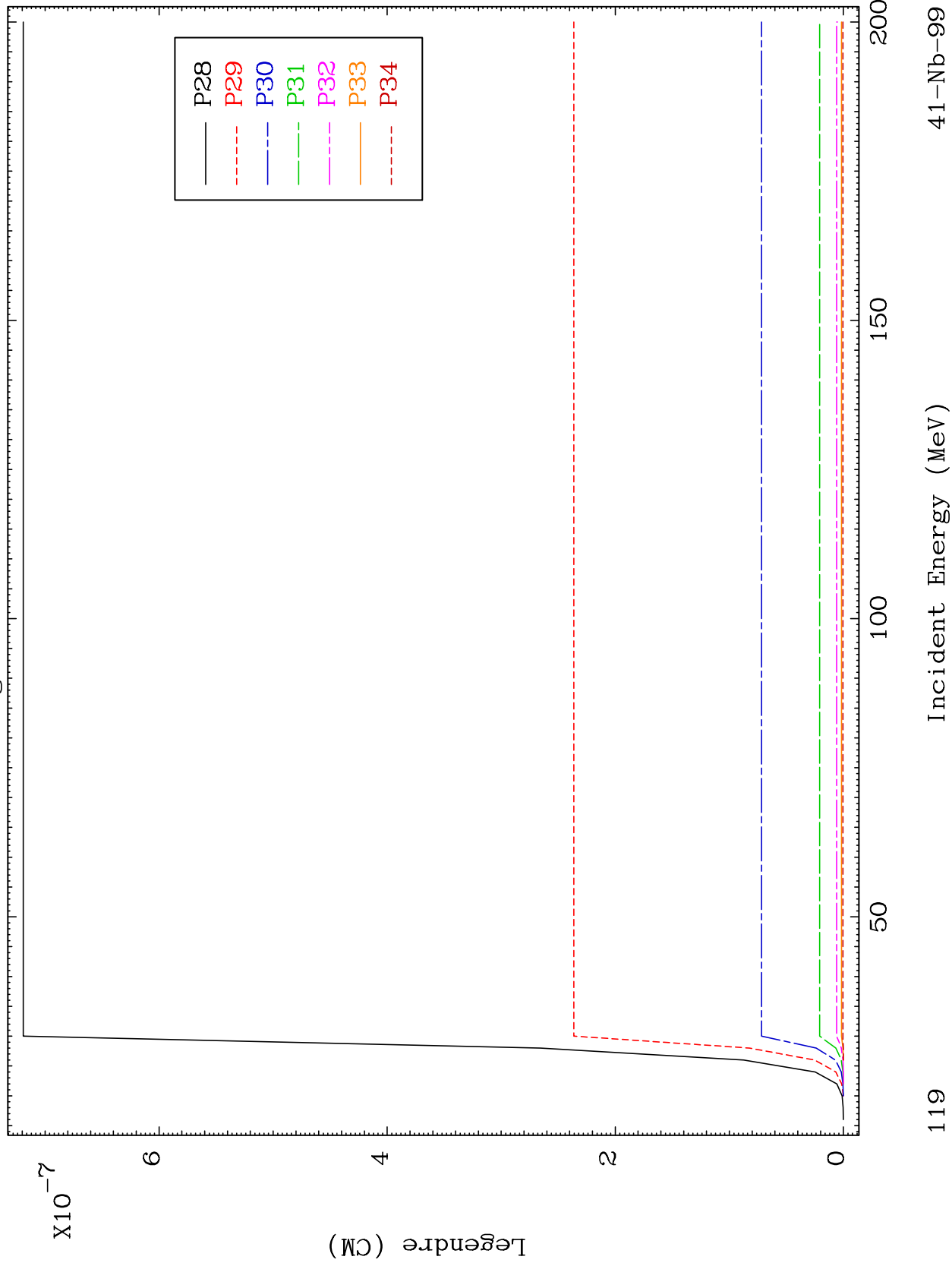
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

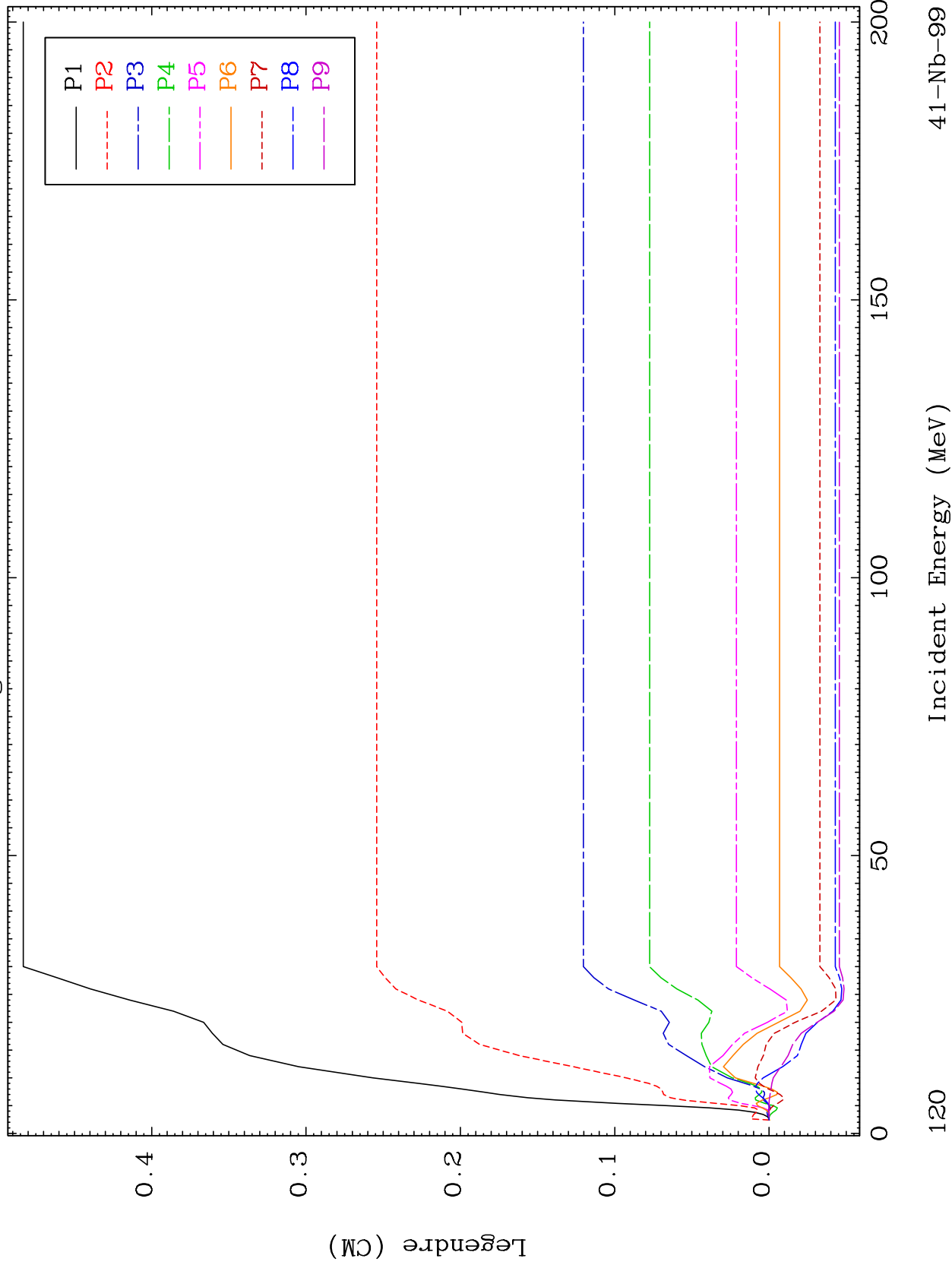
41-Nb-99



MAT 4143

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

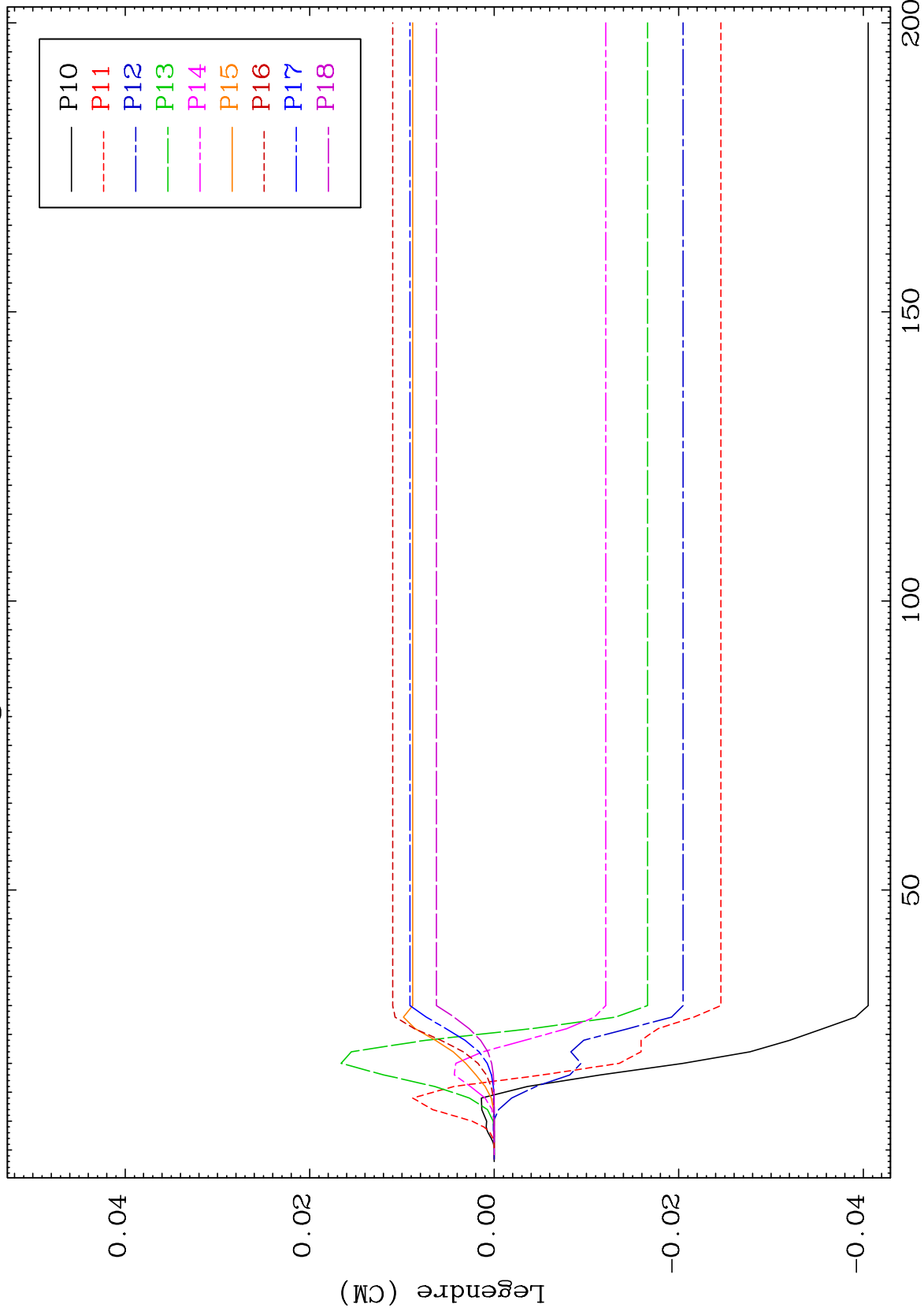
41-Nb-99



MAT 4143

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

41-Nb-99



121

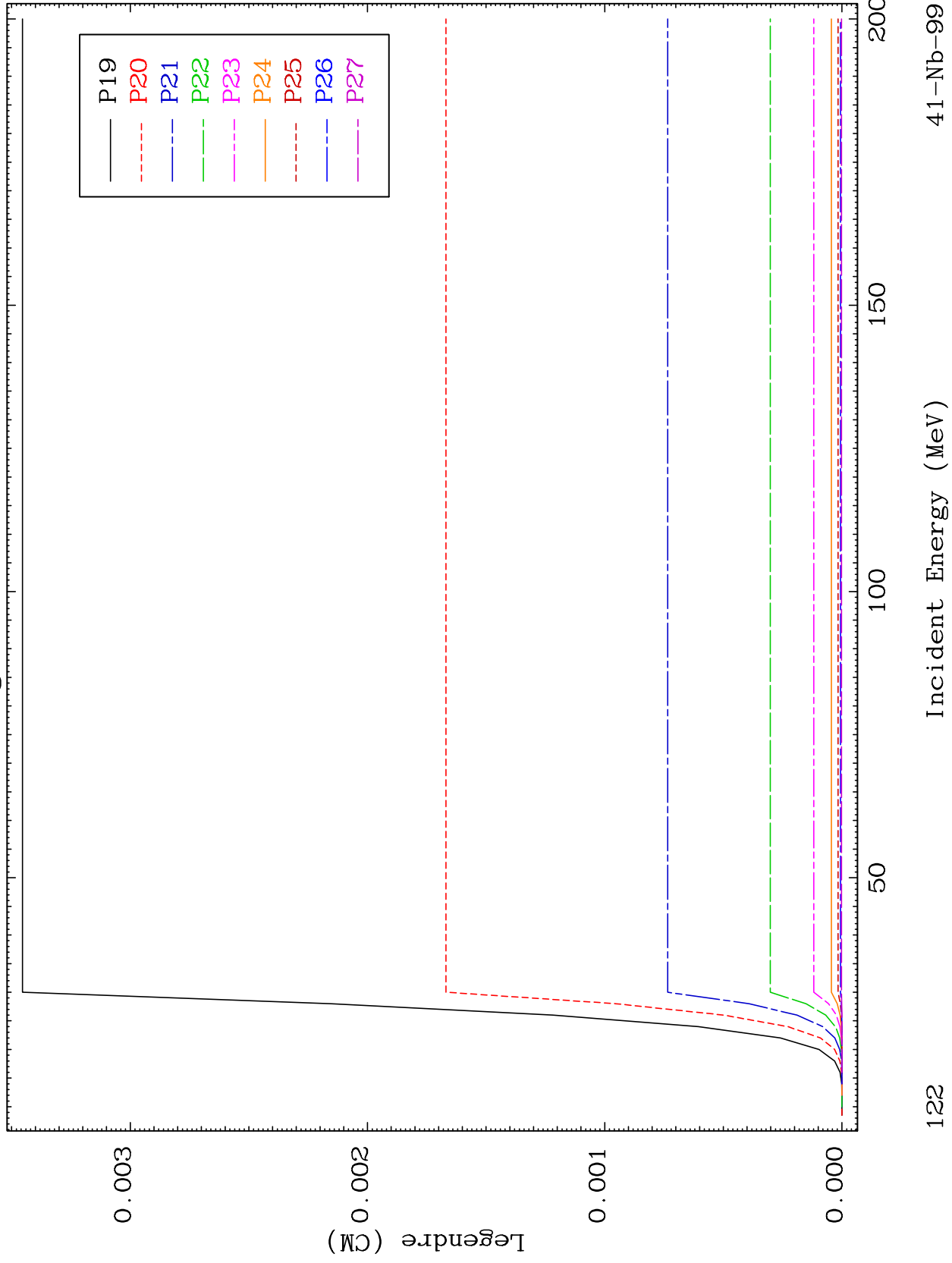
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



122

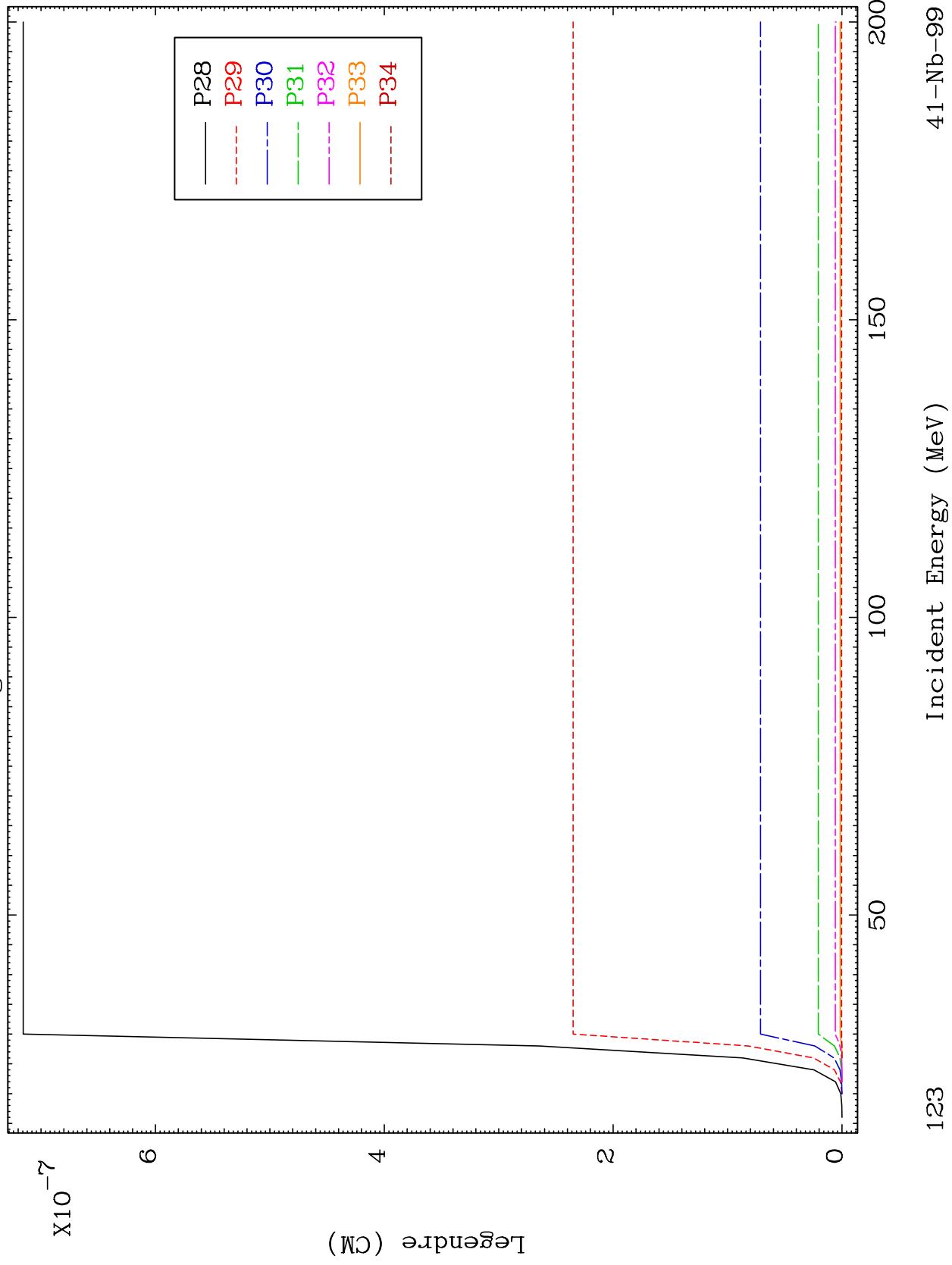
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99

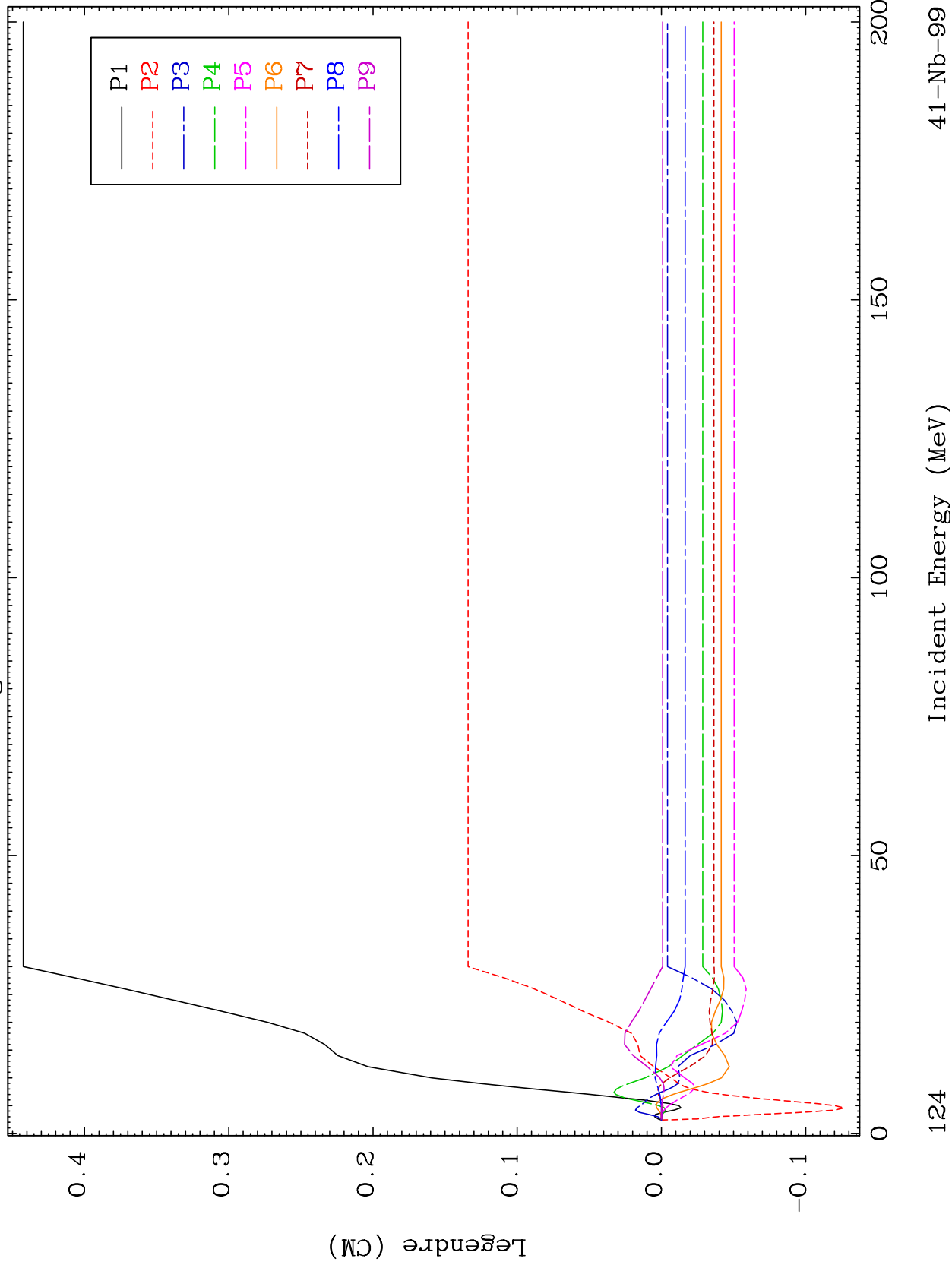


123

MAT 4143

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

41-Nb-99



41-Nb-99

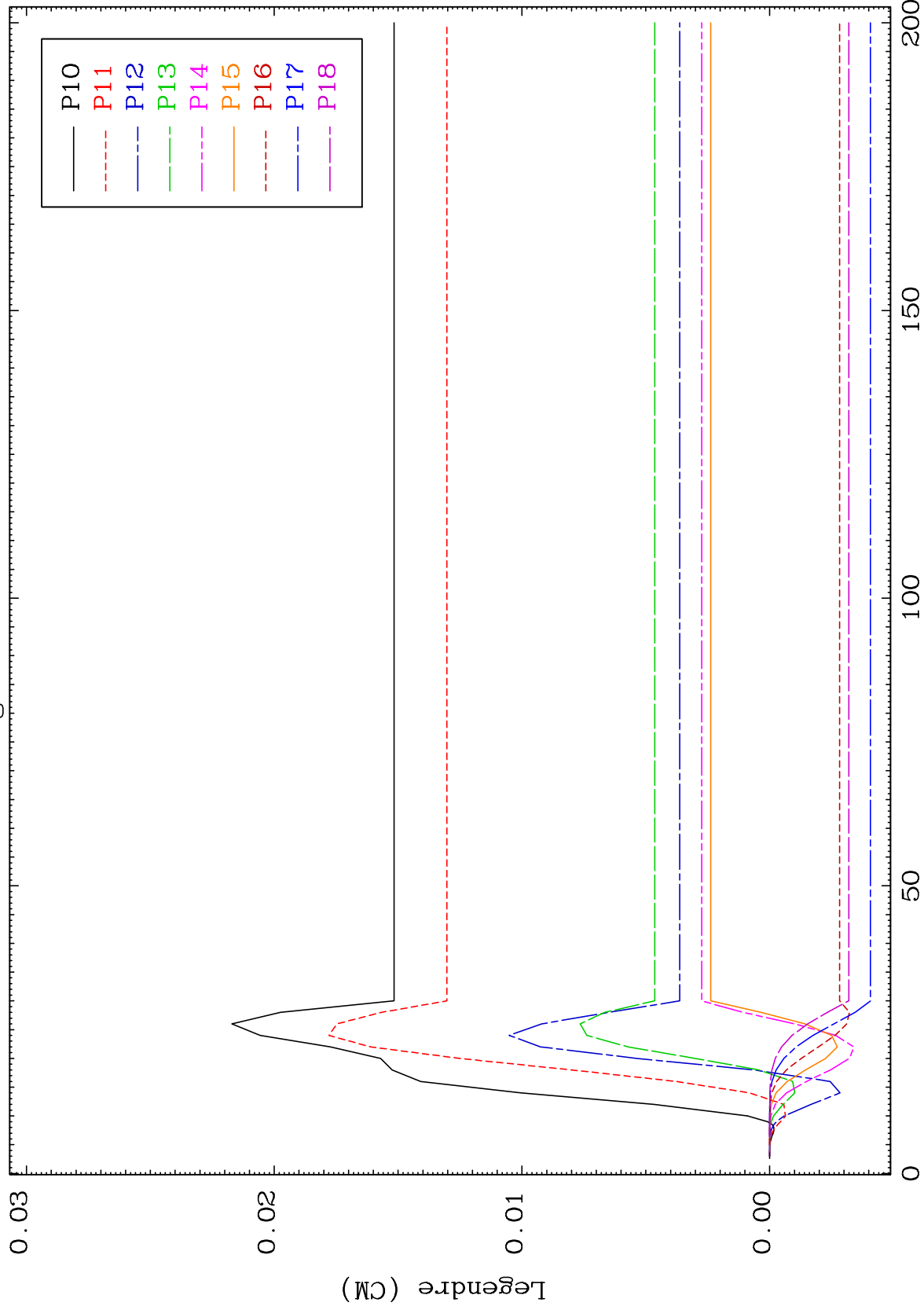
Incident Energy (MeV)

124

MAT 4143

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

41-Nb-99



125

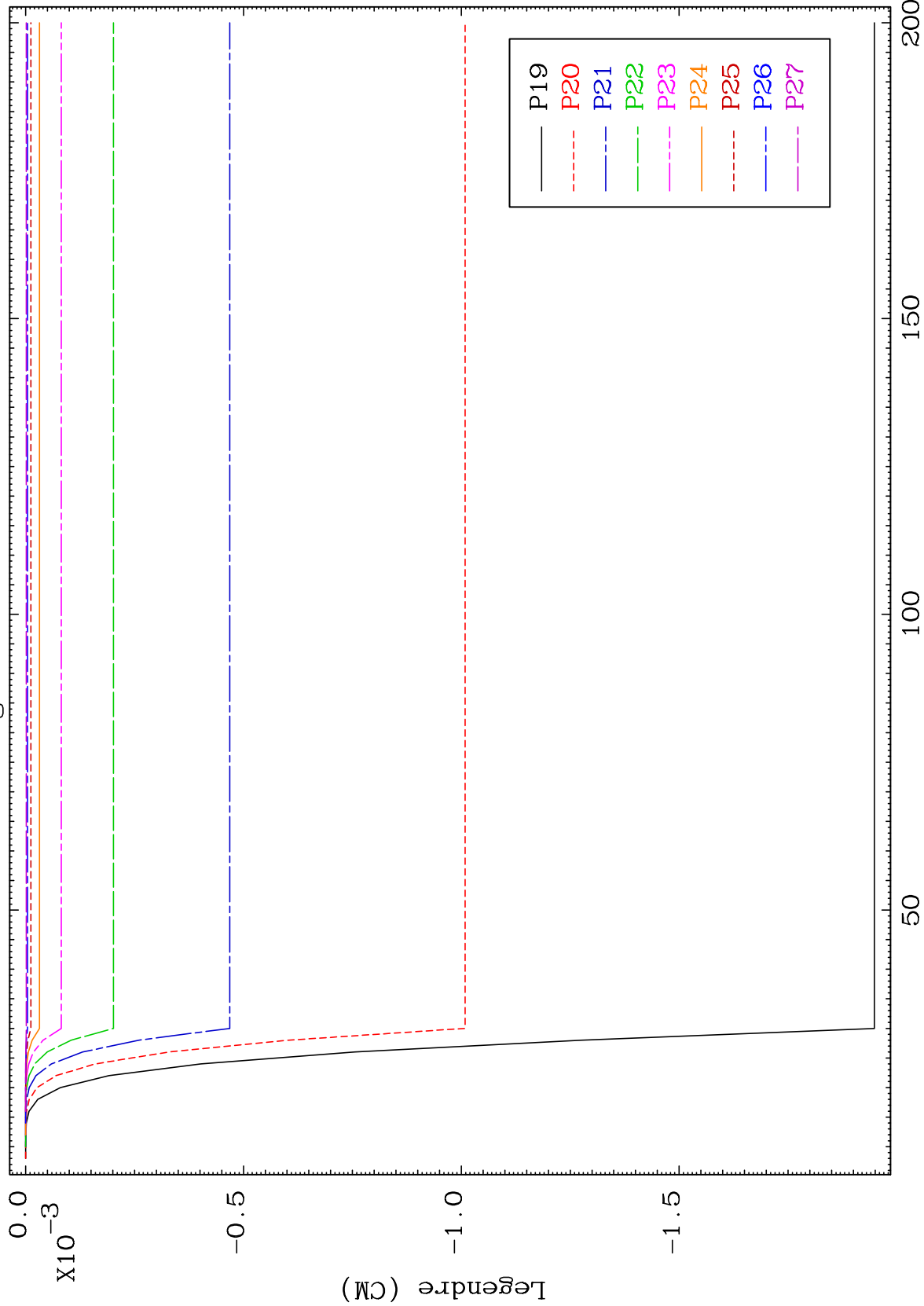
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



126

Incident Energy (MeV)

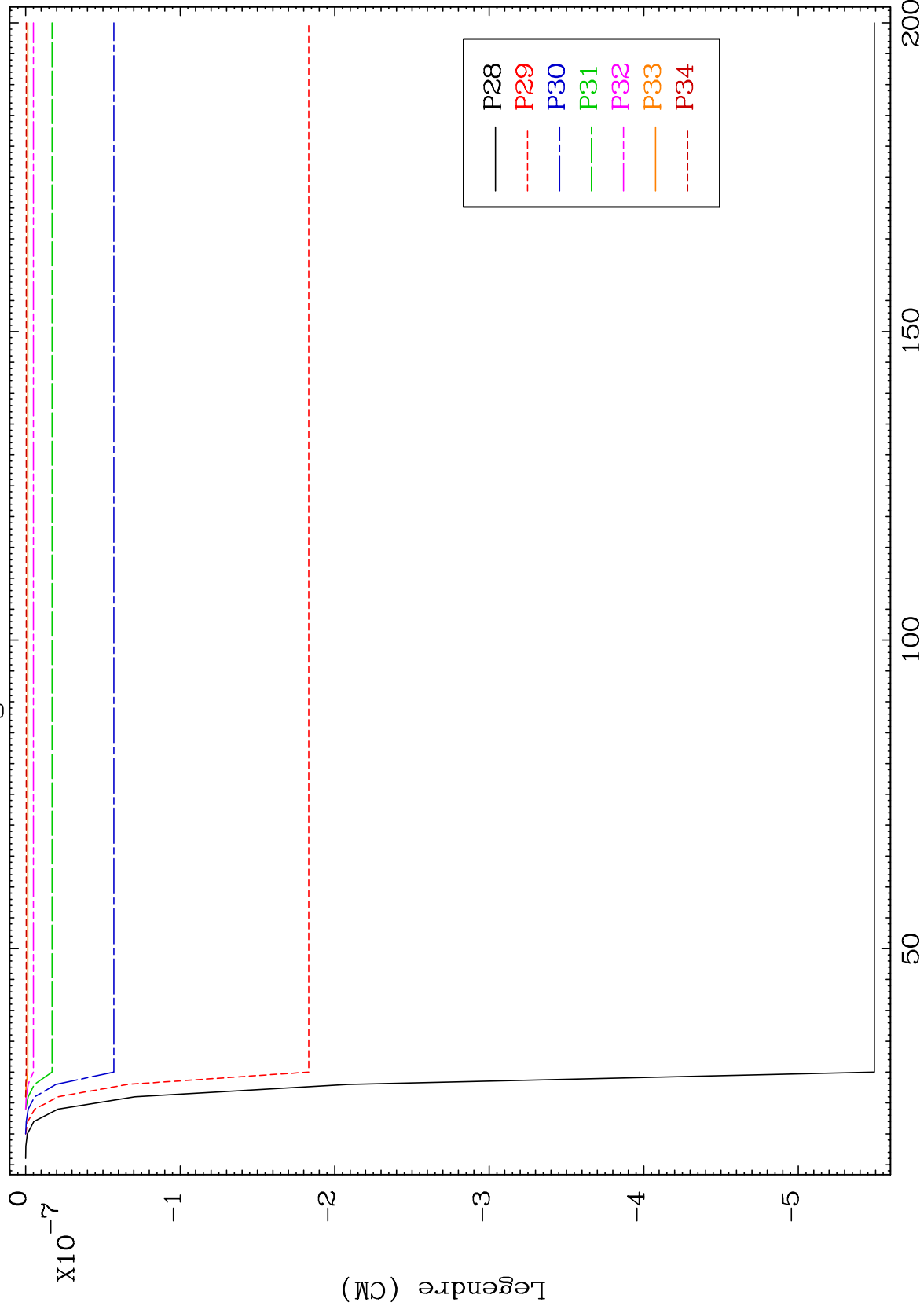
41-Nb-99

MAT 4143

MT= 77 (n,n') Level

41-Nb-99

Legendre Coefficients



41-Nb-99

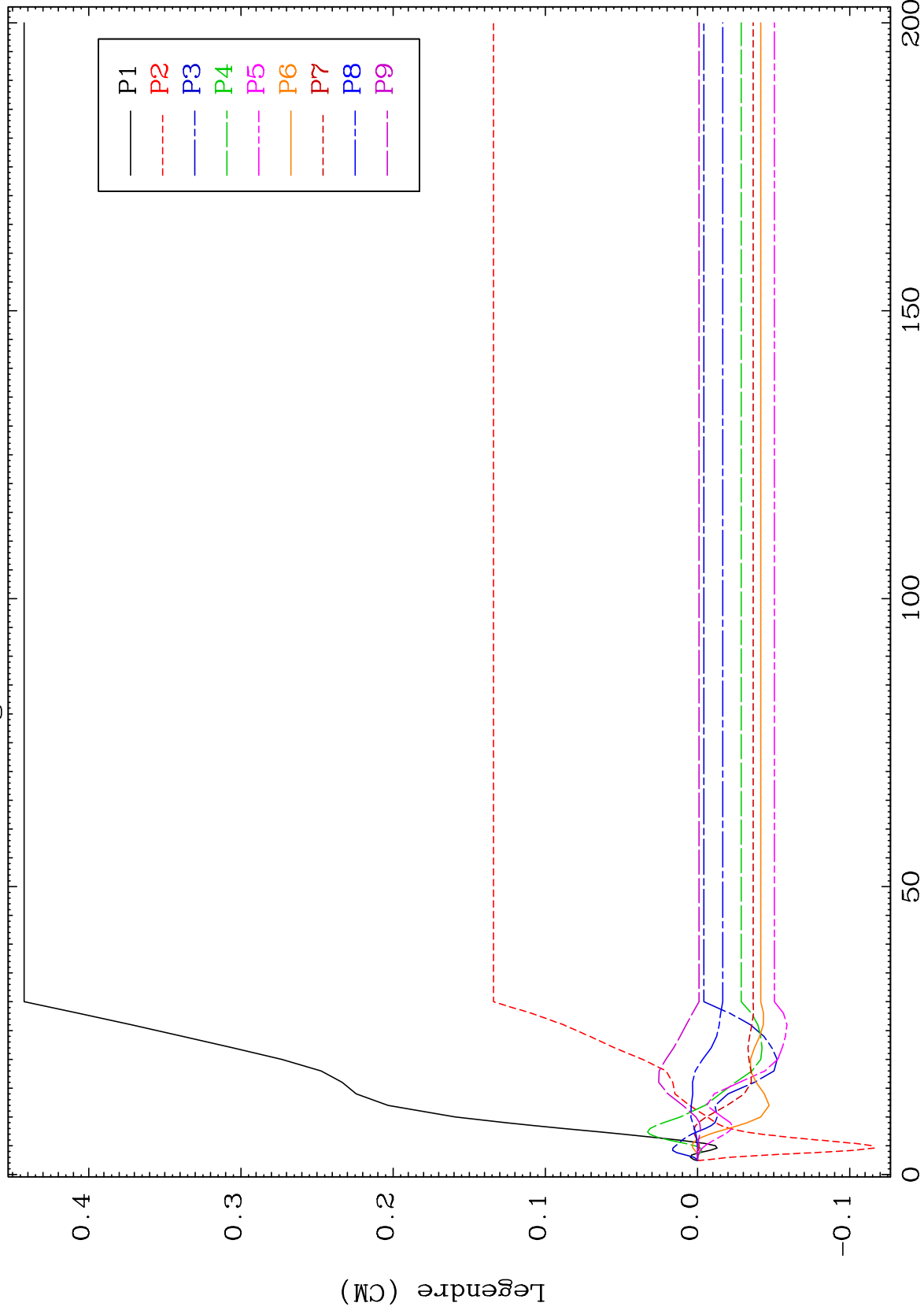
Incident Energy (MeV)

127

MAT 4143

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

41-Nb-99



128

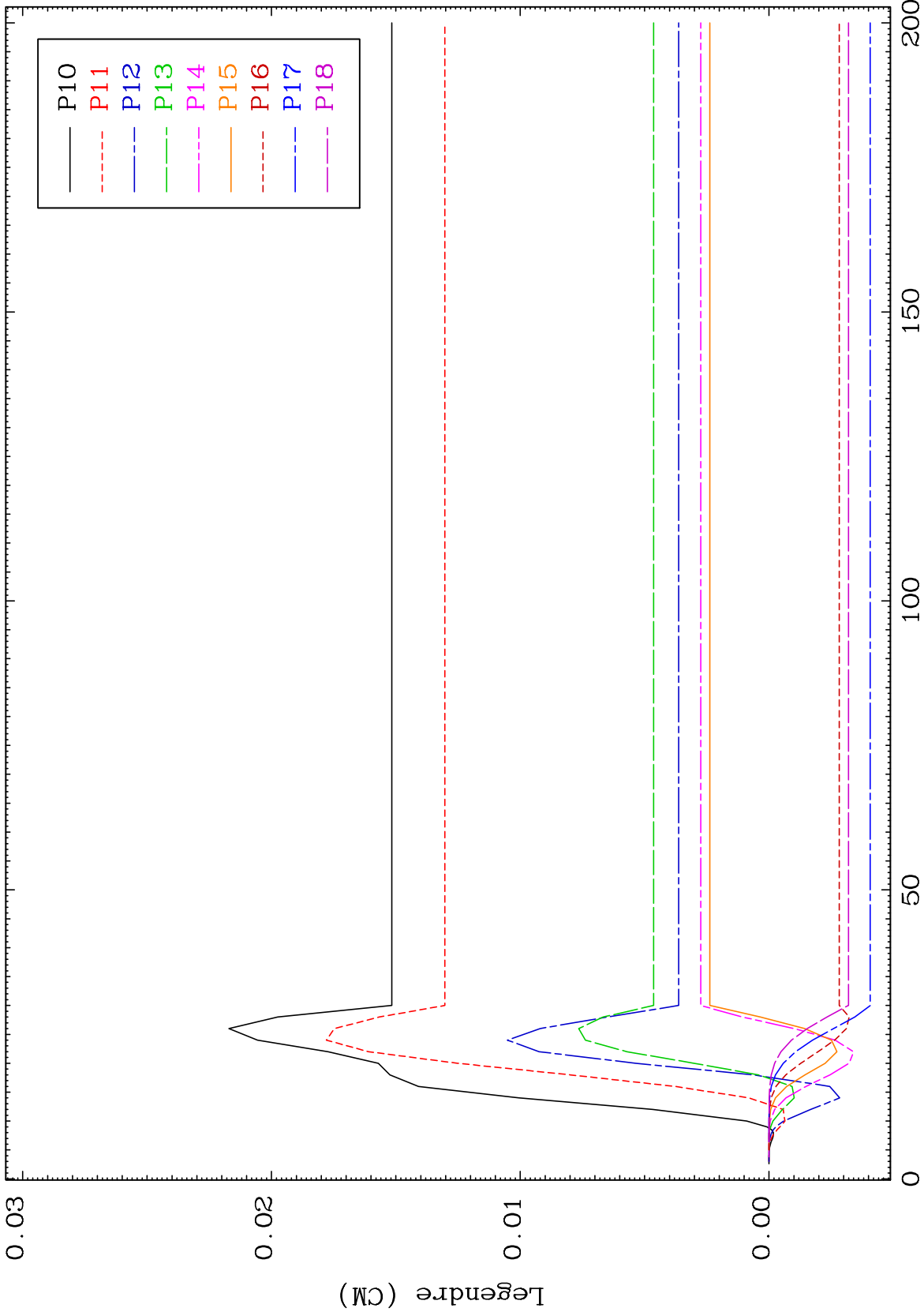
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



129

Incident Energy (MeV)

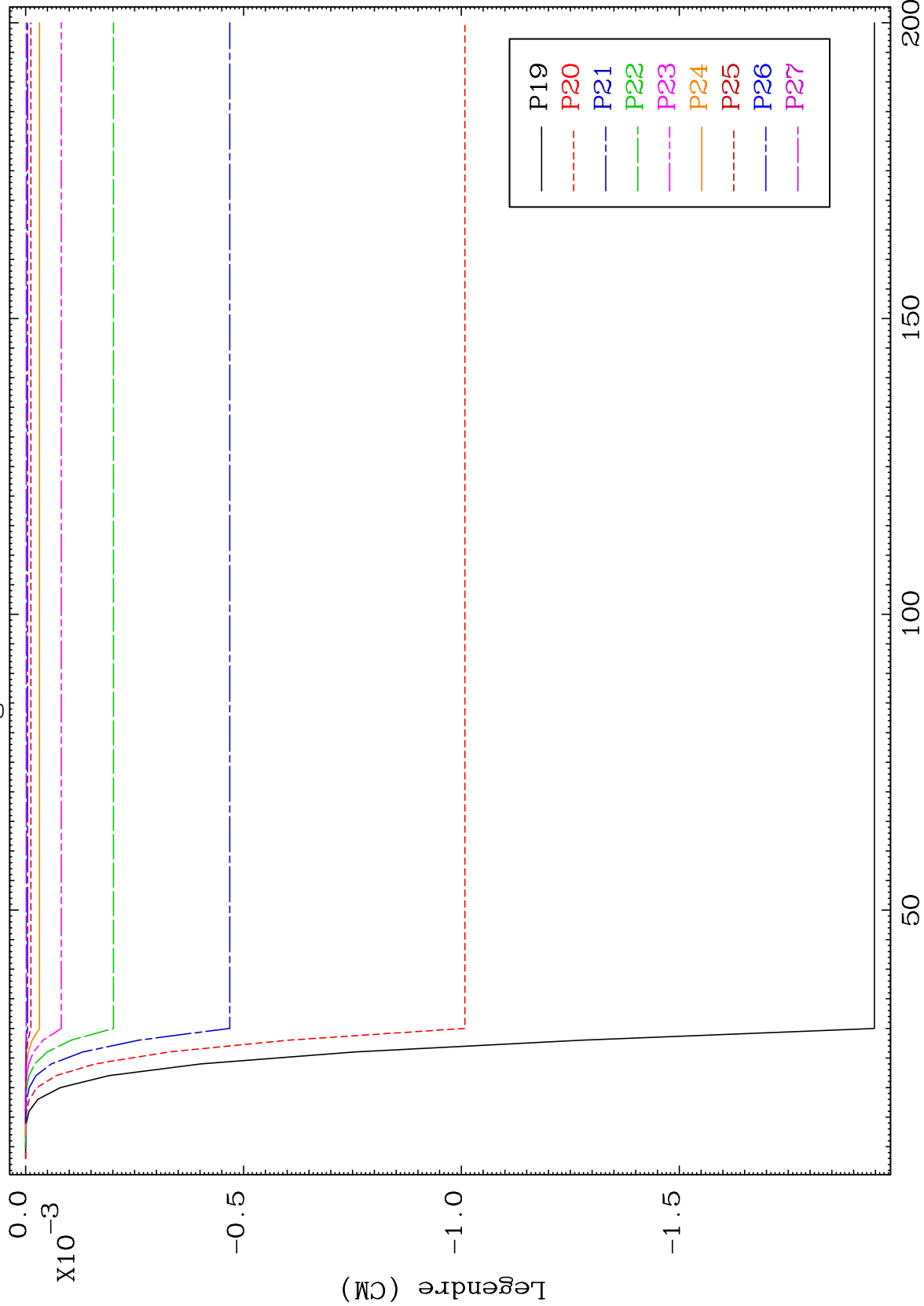
41-Nb-99

MAT 4143

MT= 78 (n,n') Level

41-Nb-99

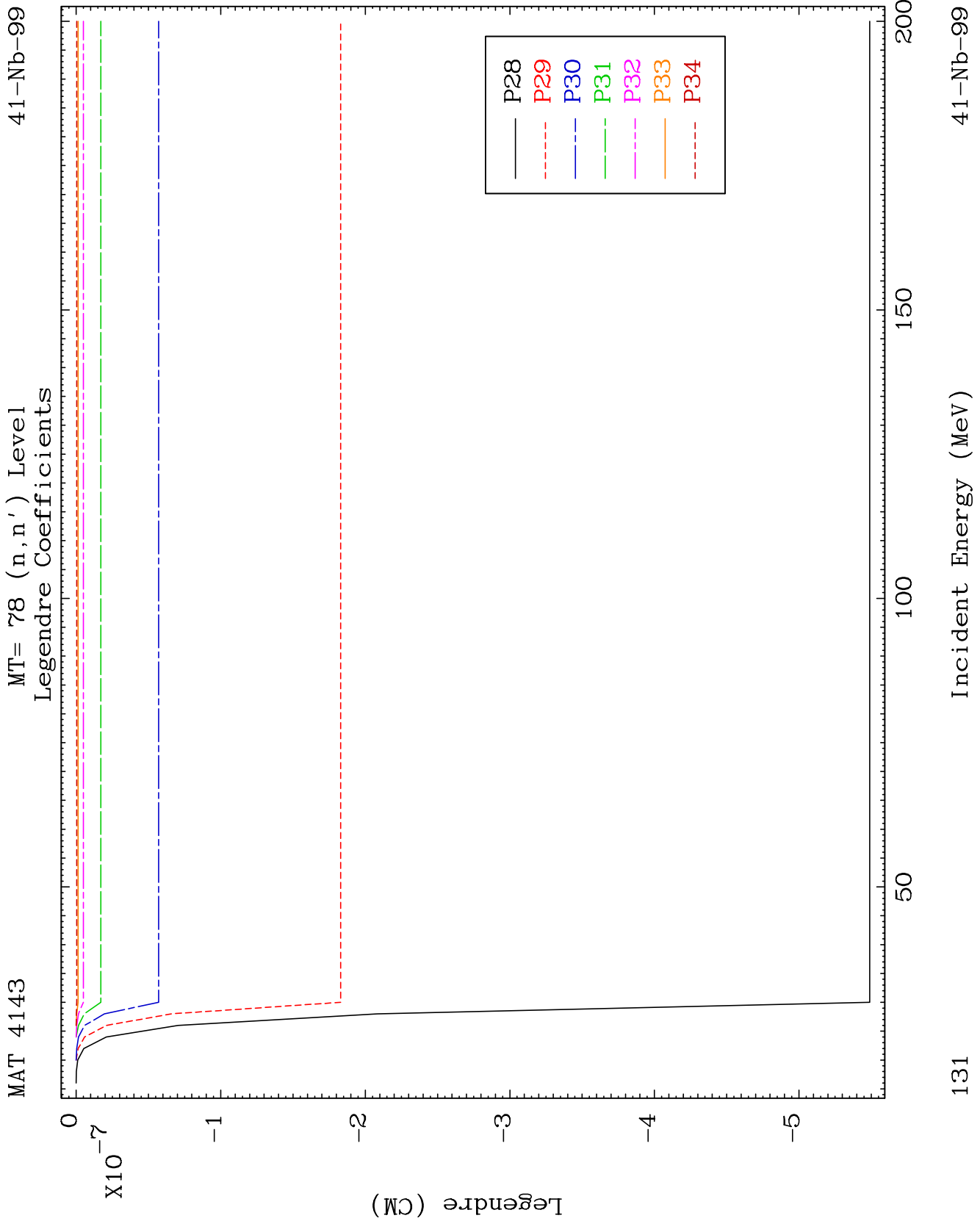
Legendre Coefficients



41-Nb-99

Incident Energy (MeV)

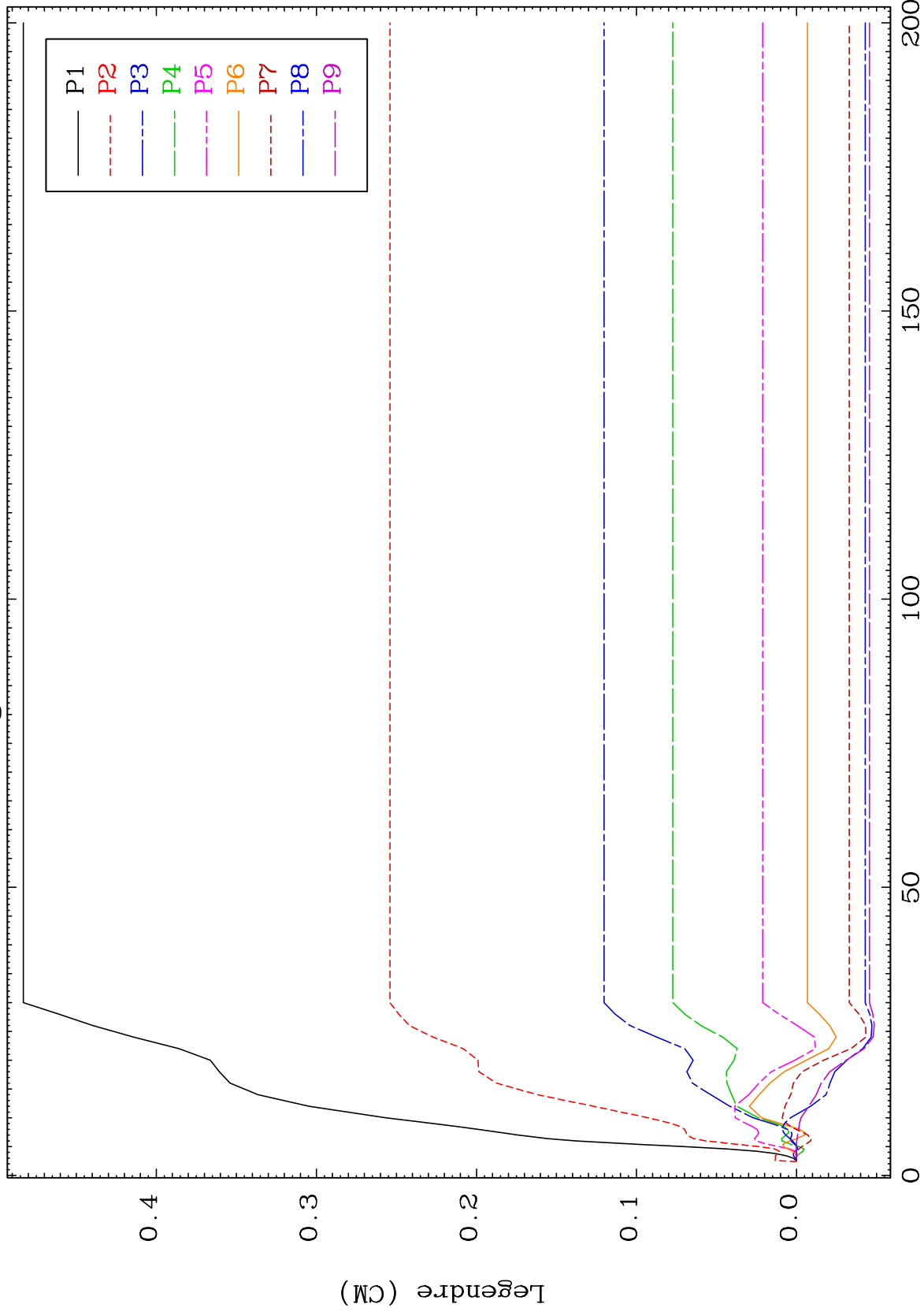
130



MAT 4143

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

41-Nb-99



132

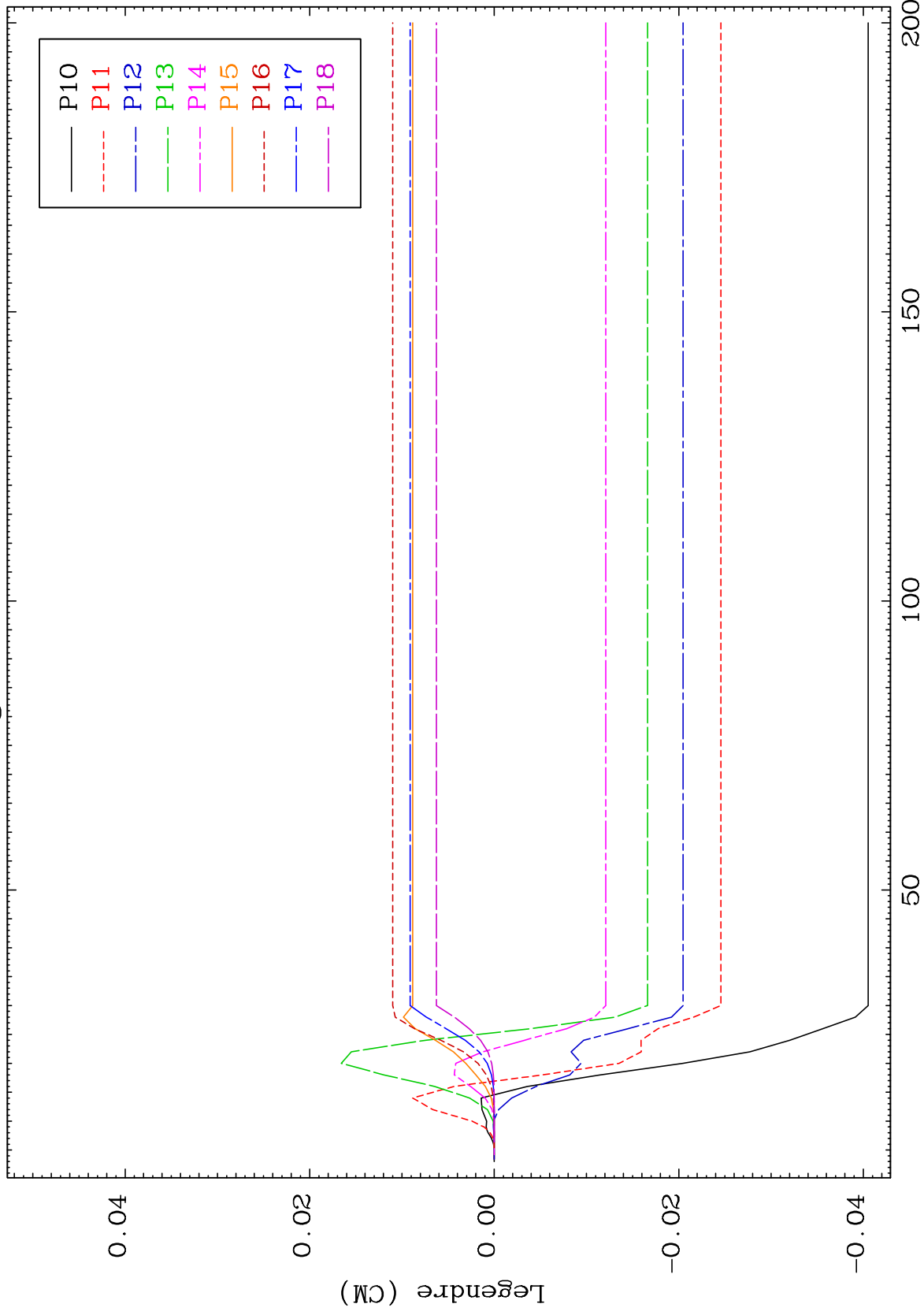
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



133

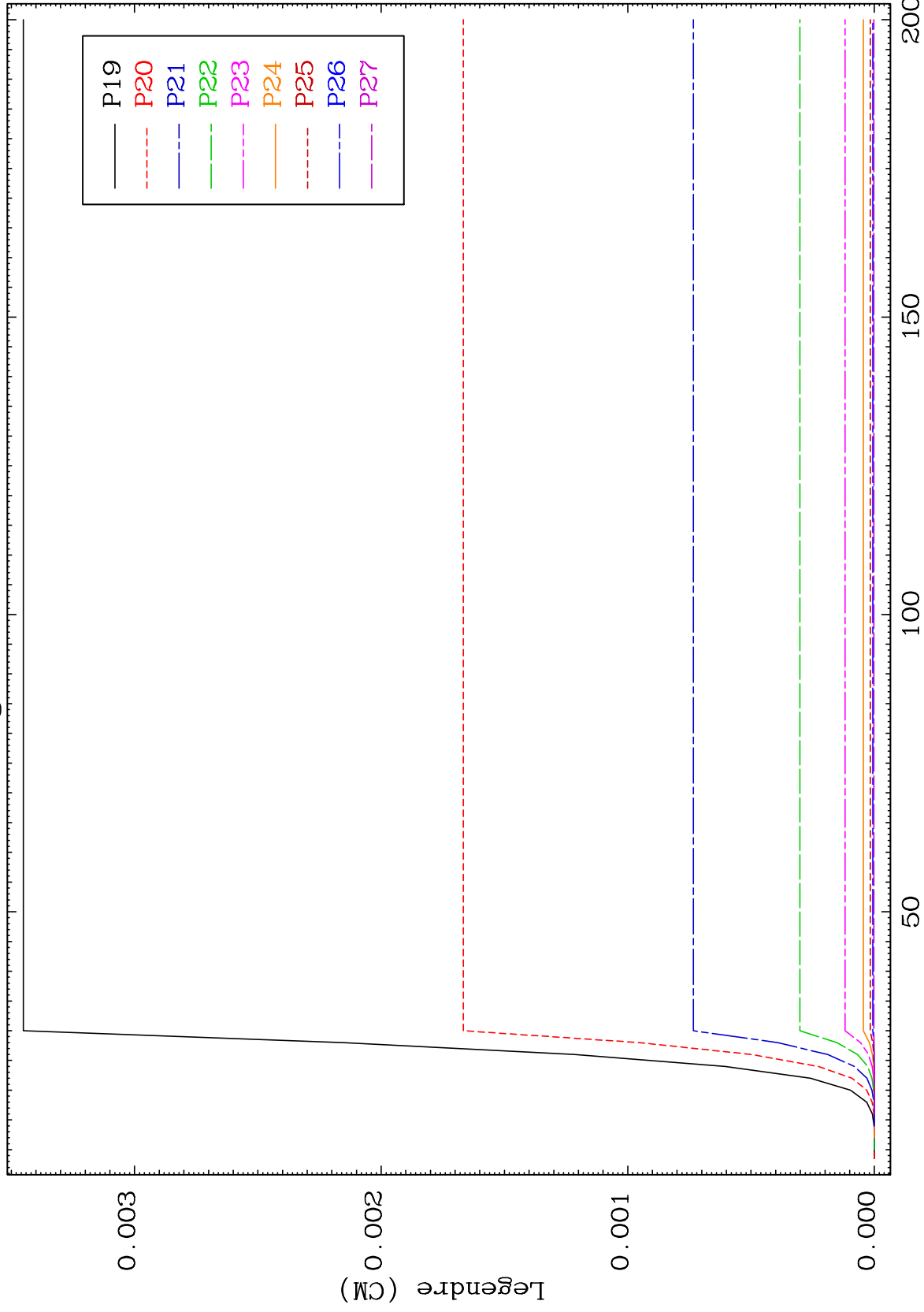
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



134

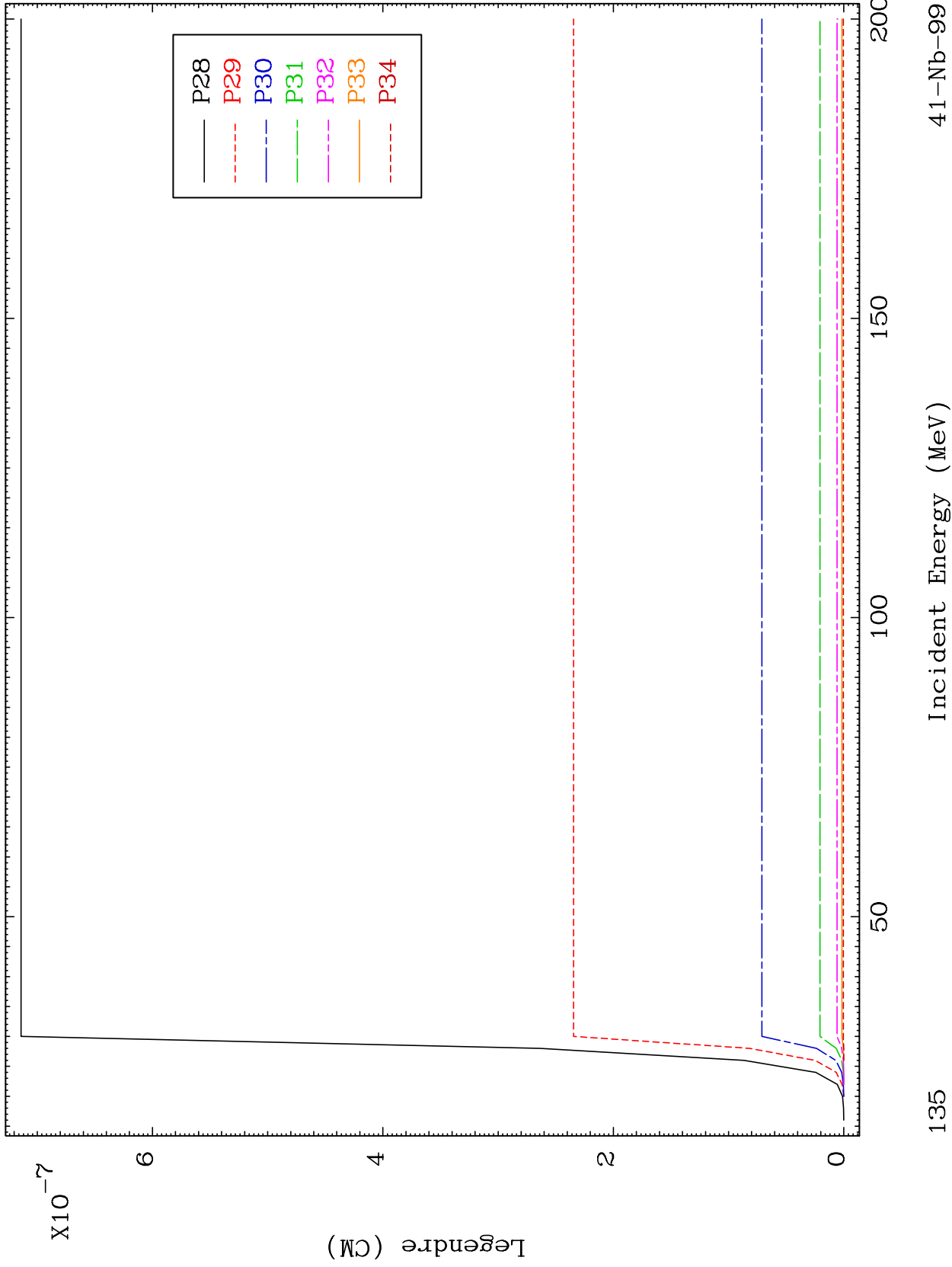
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



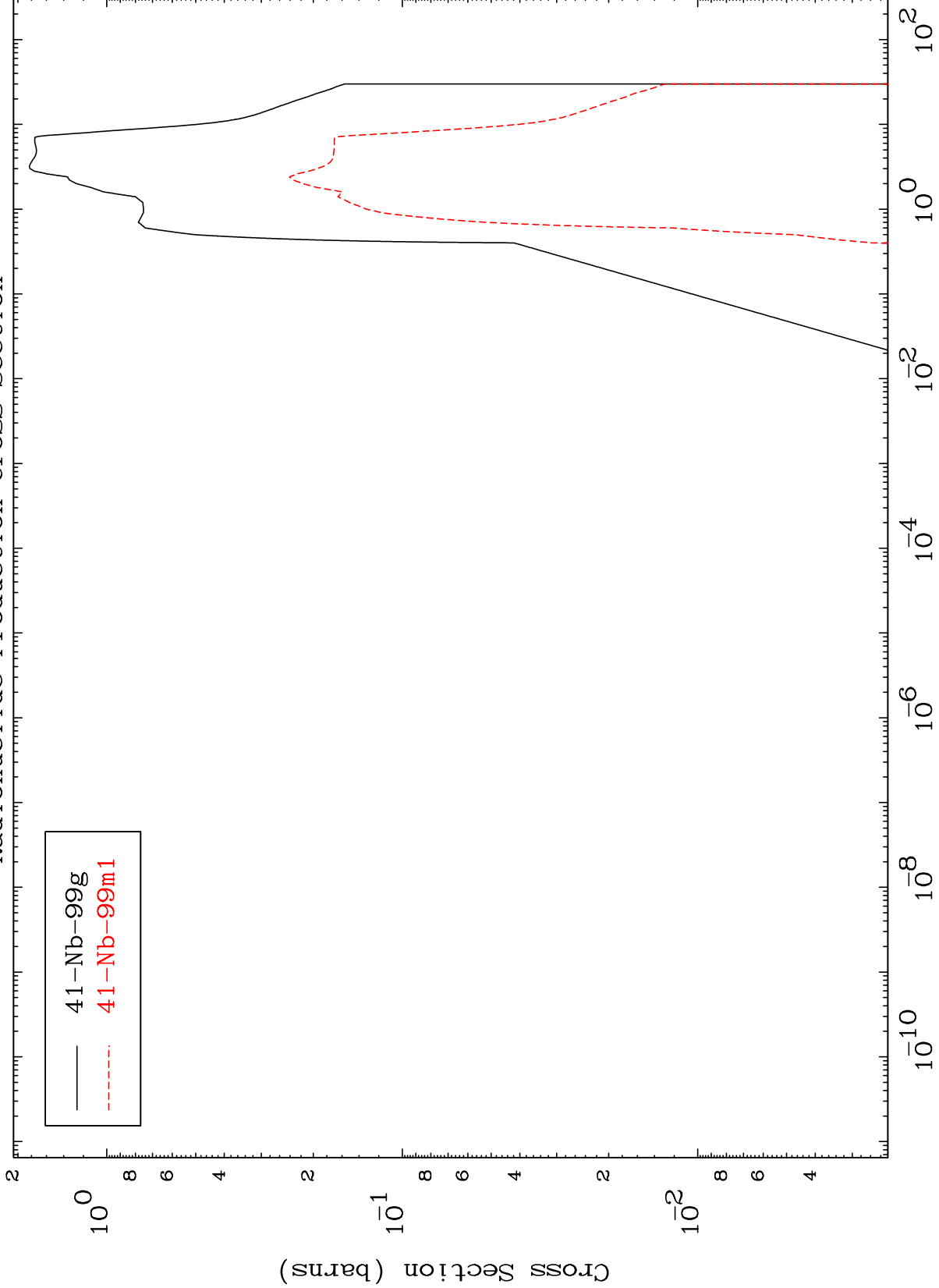
135

41-Nb-99

MAT 4143

Inelastic
Radionuclide Production Cross Section

41-Nb-99



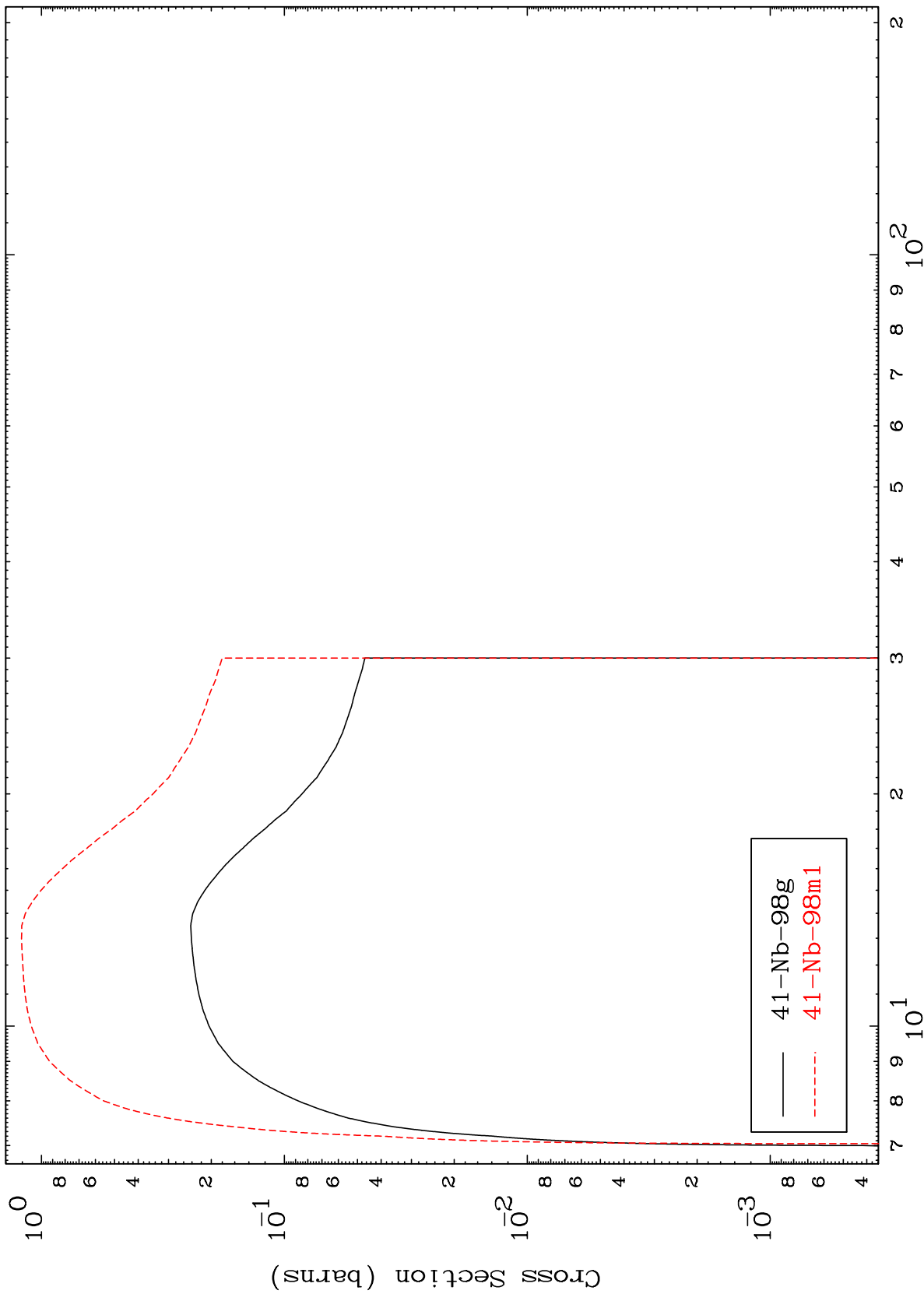
— 41-Nb-99g
- - - 41-Nb-99m1

41-Nb-99

MAT 4143

41-Nb-99

(n,2n)
Radionuclide Production Cross Section



137

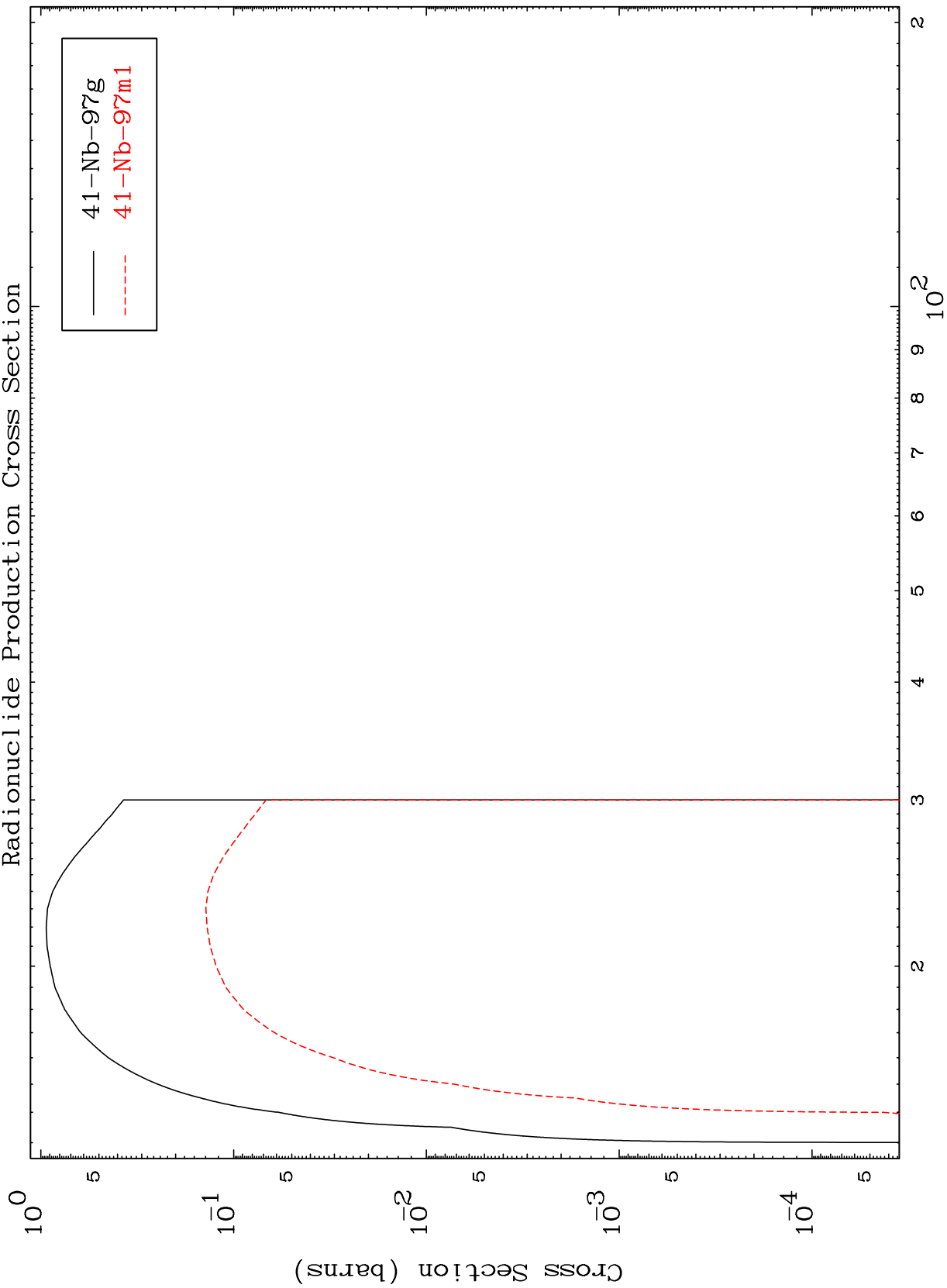
41-Nb-99

Incident Energy (MeV)

MAT 4143

41-Nb-99

(n,3n)
Radionuclide Production Cross Section



138

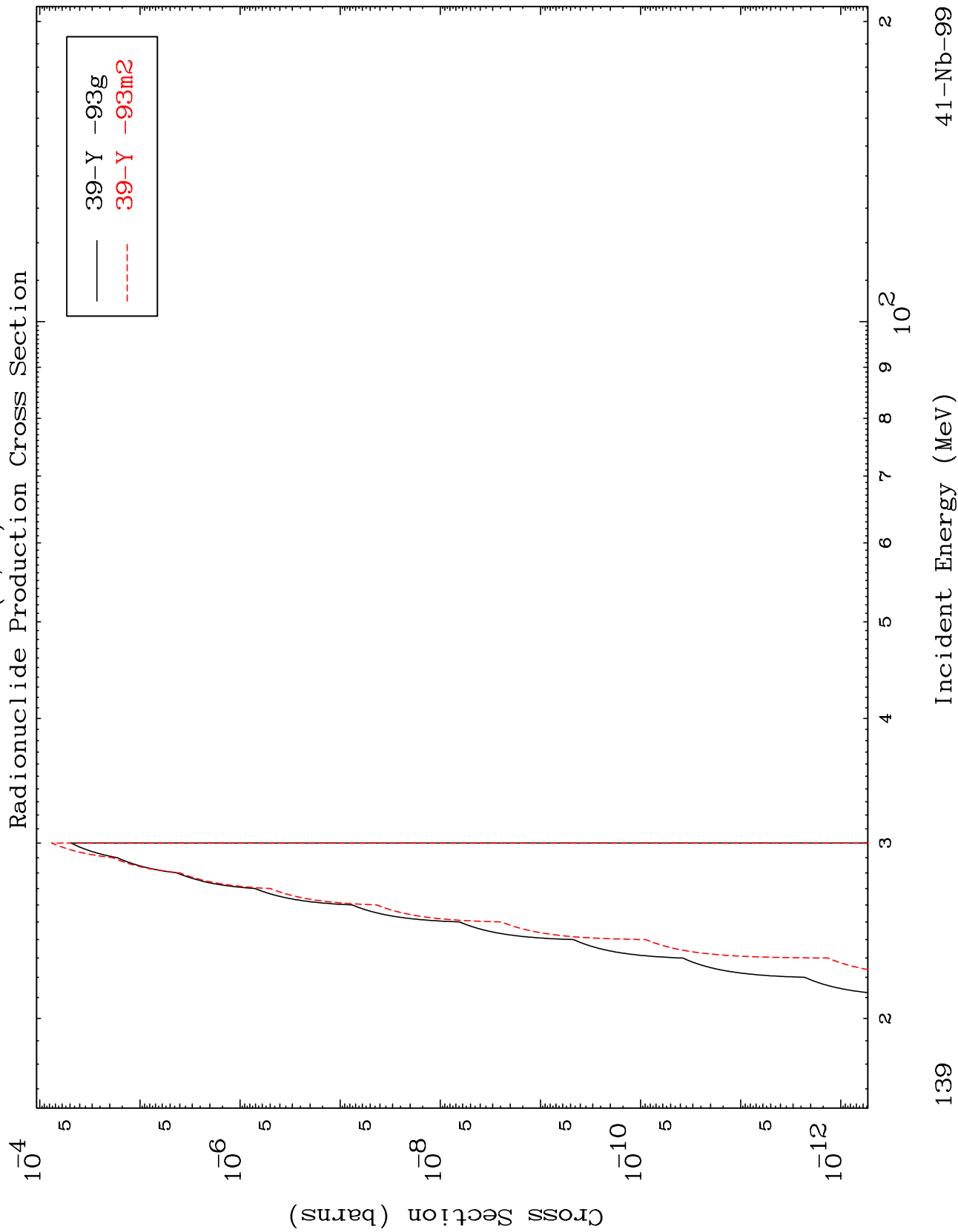
Incident Energy (MeV)

41-Nb-99

MAT 4143

(n,3n) α

41-Nb-99



139

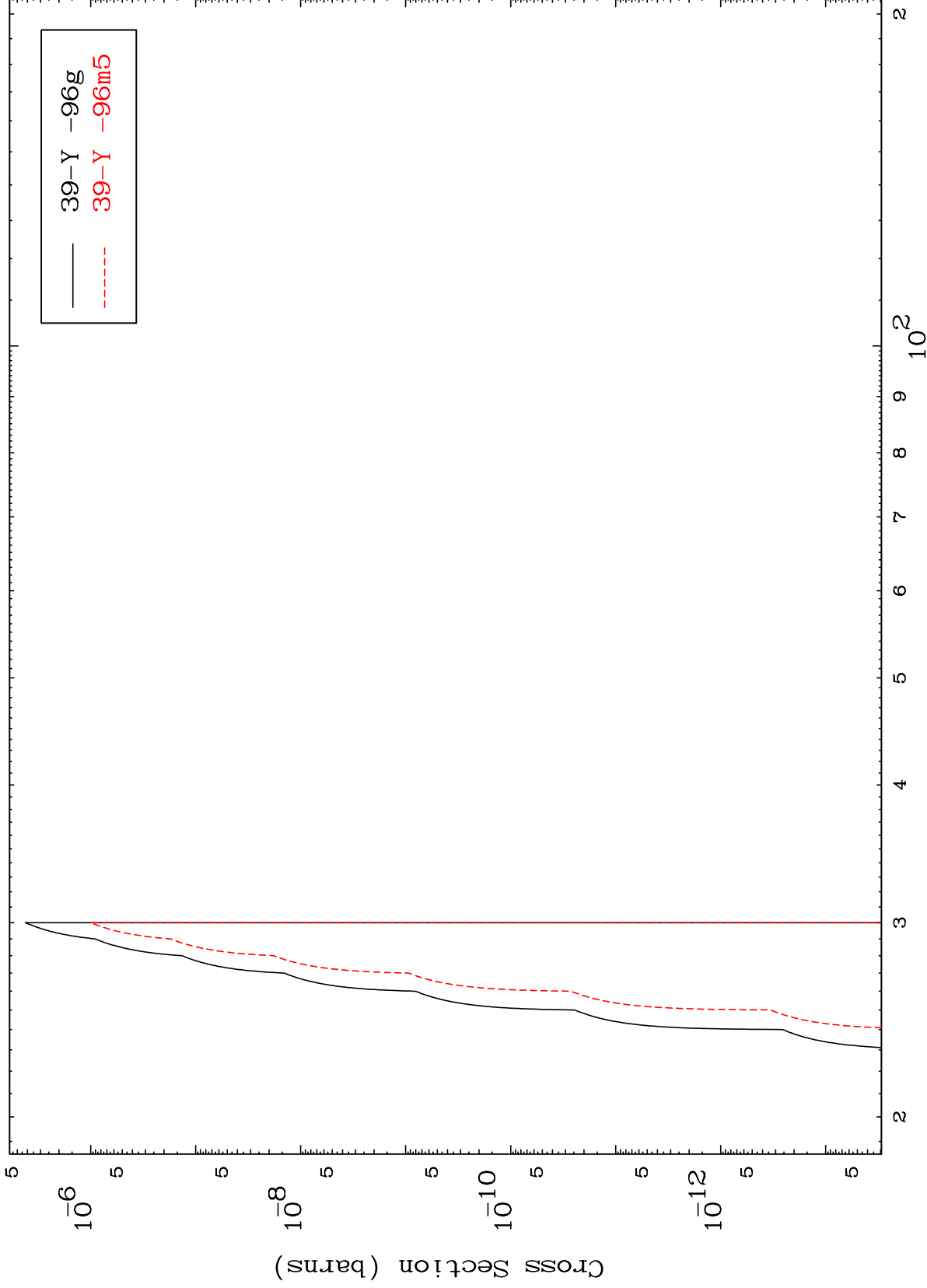
41-Nb-99

MAT 4143

(n,n') He-3

41-Nb-99

Radionuclide Production Cross Section



140

Incident Energy (MeV)

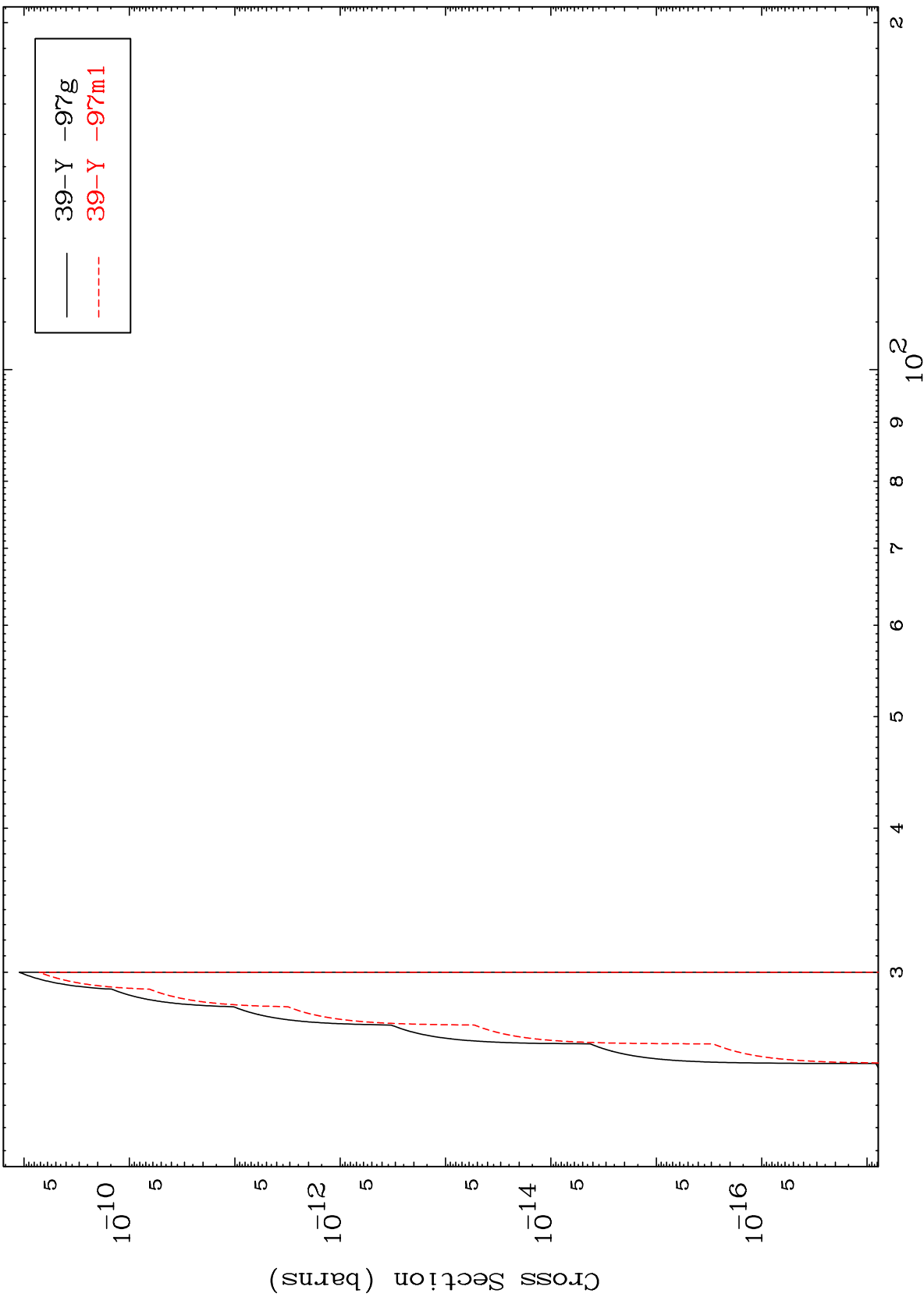
41-Nb-99

MAT 4143

(n,2n) p

41-Nb-99

Radionuclide Production Cross Section



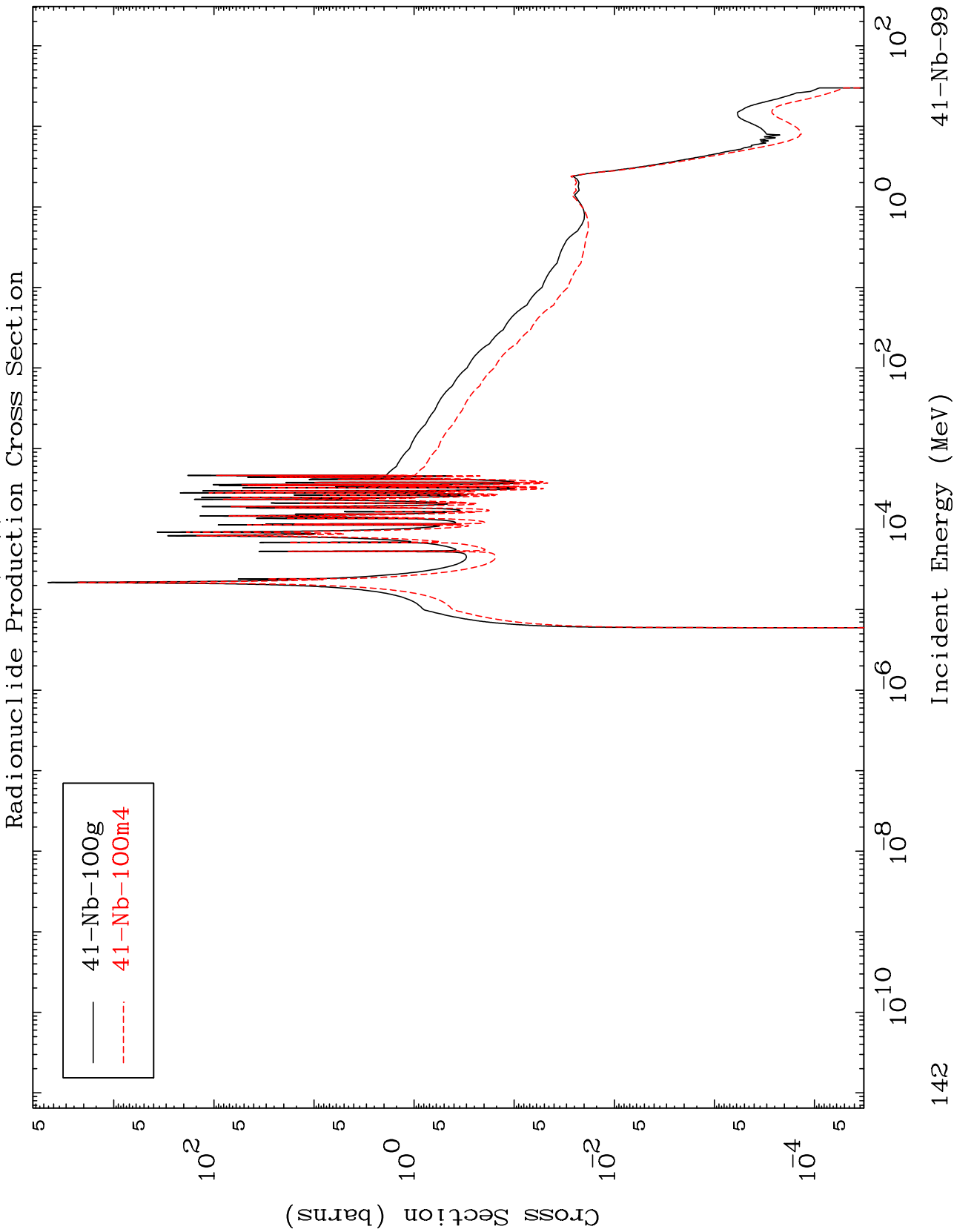
141

Incident Energy (MeV)

41-Nb-99

MAT 4143

41-Nb-99

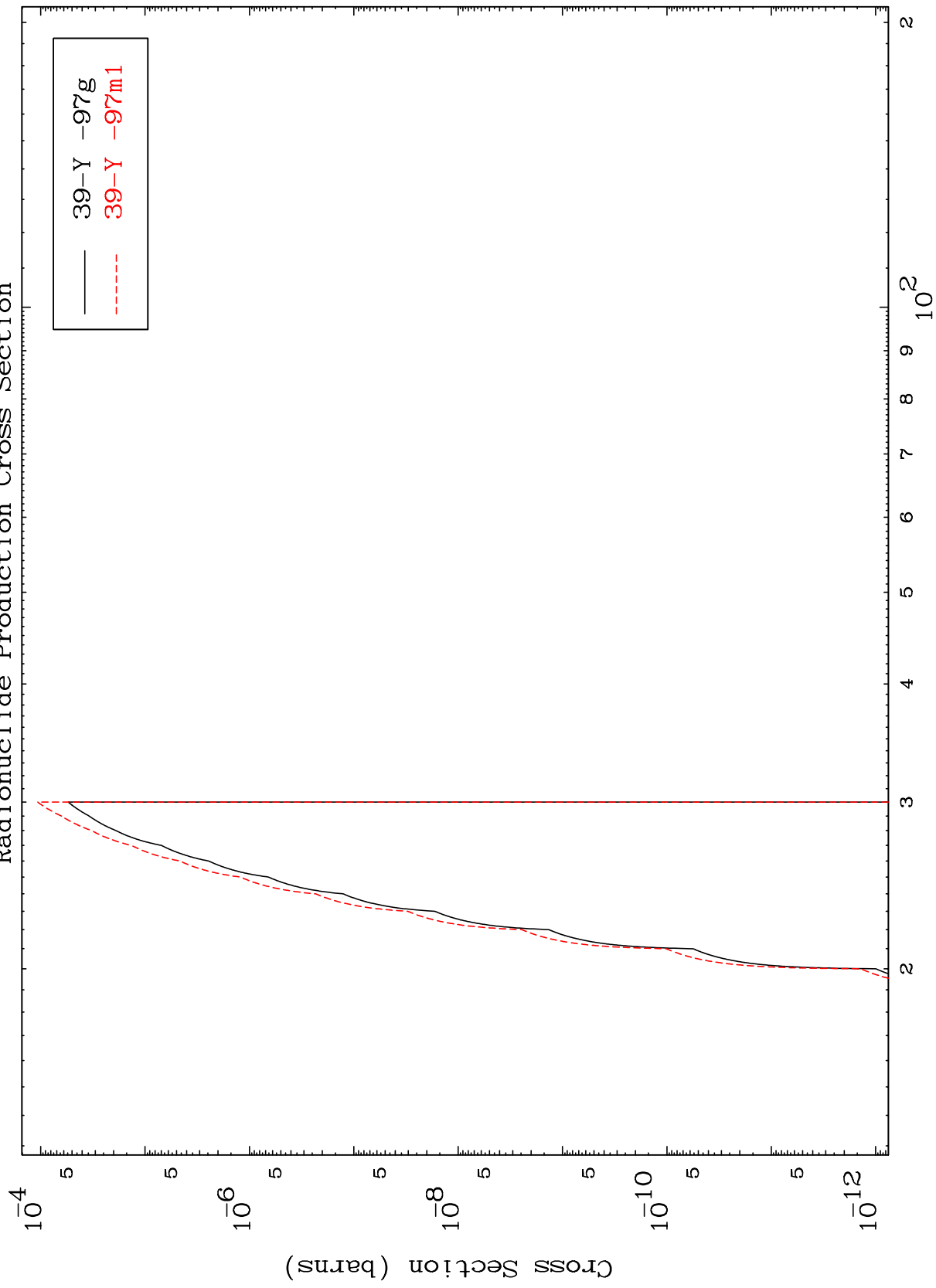


142

MAT 4143

41-Nb-99

(n,He-3)
Radionuclide Production Cross Section



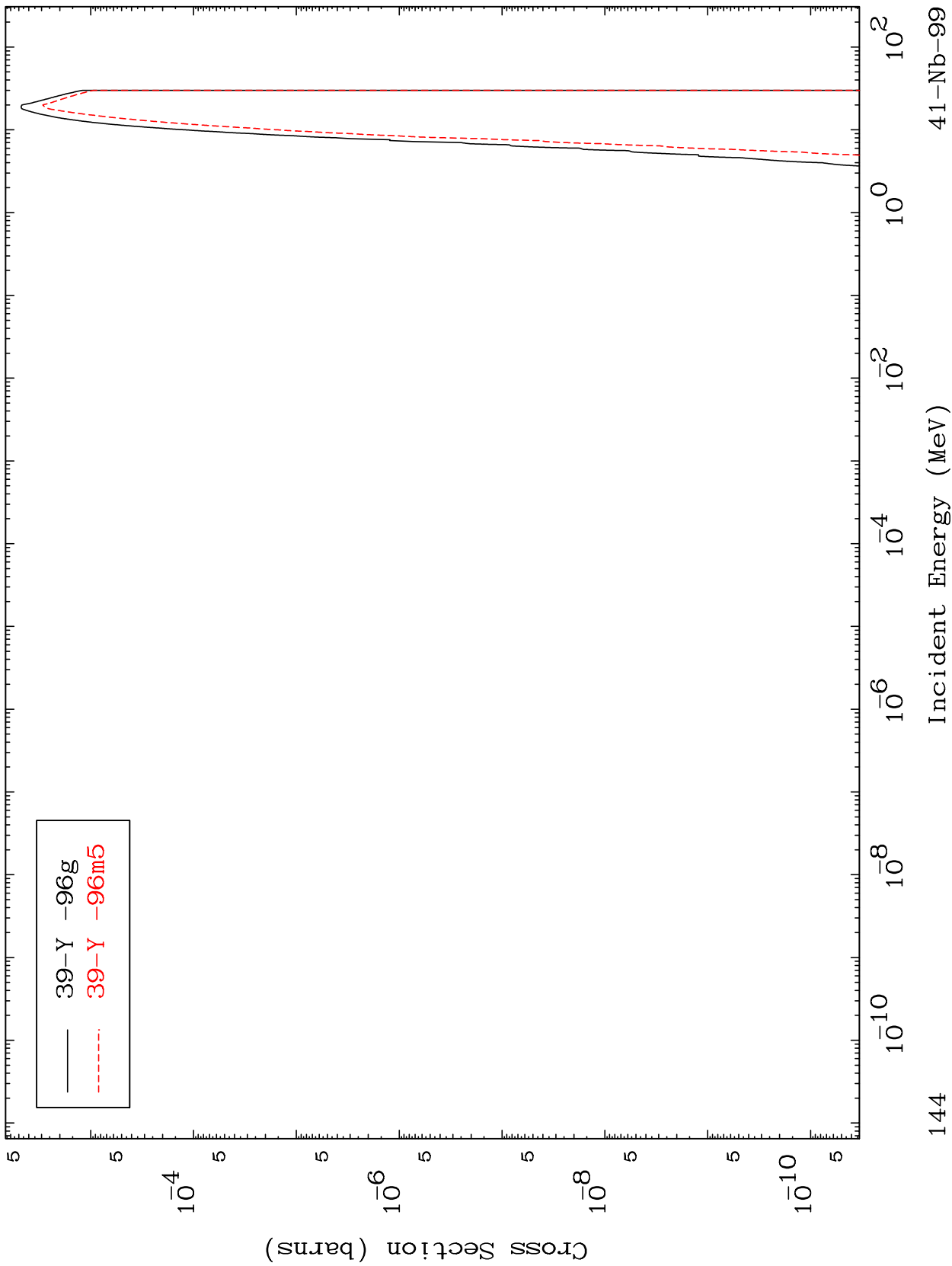
143

41-Nb-99

MAT 4143

41-Nb-99

(n, α)
Radionuclide Production Cross Section

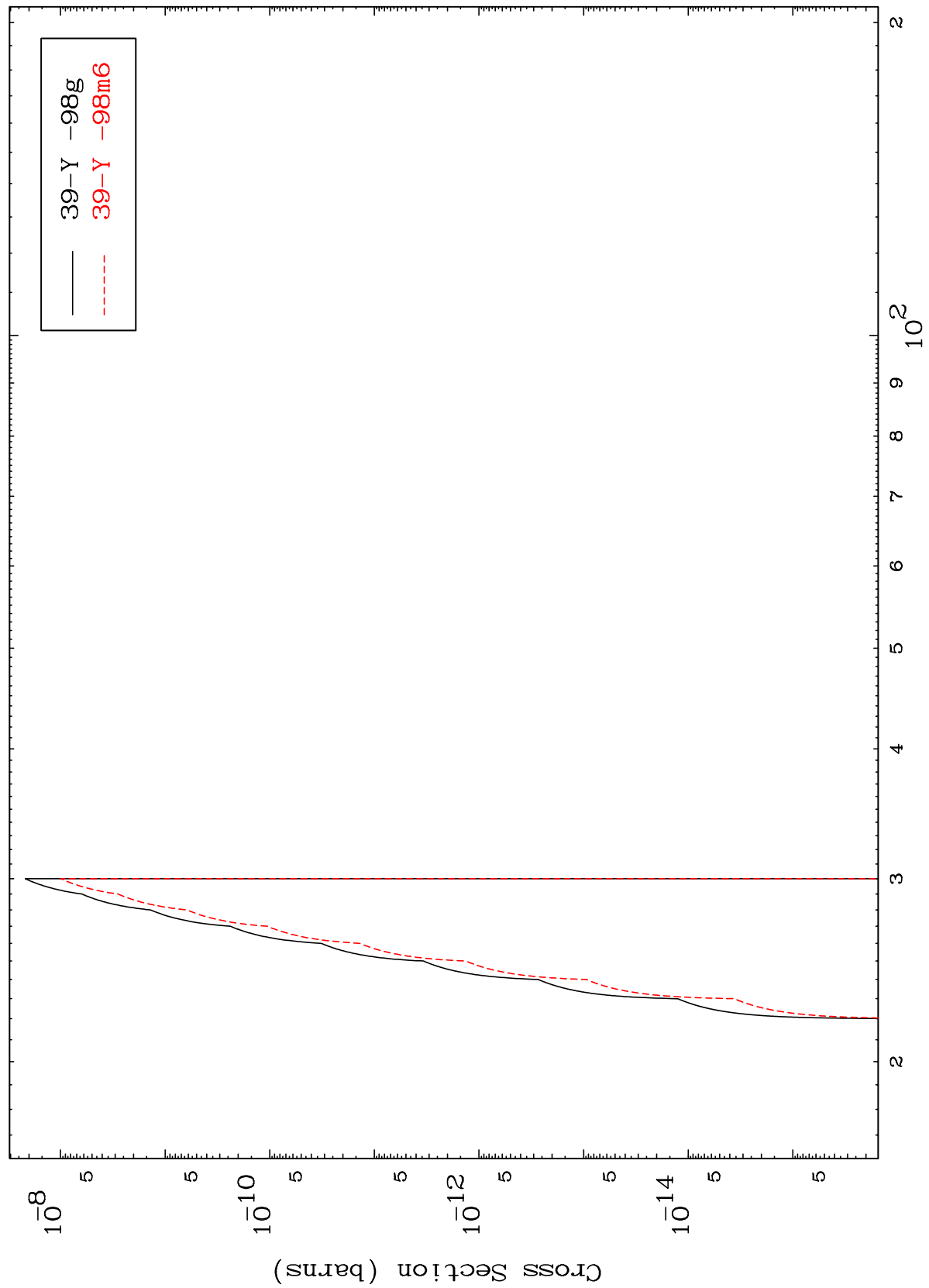


144

MAT 4143

41-Nb-99

(n,2p)
Radionuclide Production Cross Section



145

Incident Energy (MeV)

41-Nb-99