

Program EVALPLOT  
(Version 2018-1)

by

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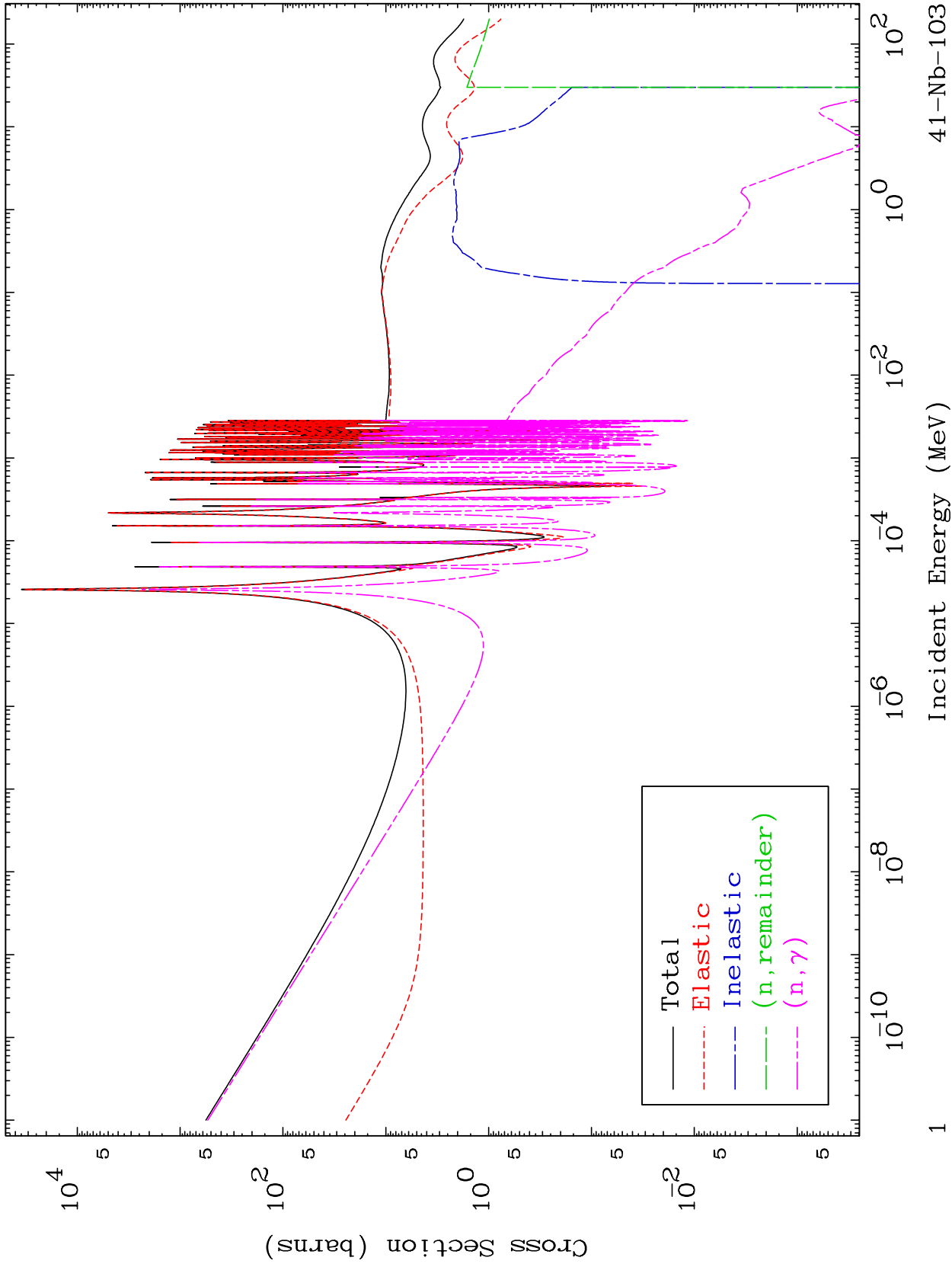
Press Mouse Button to Start

MAT 4155

Major

293 Kelvin Cross Sections

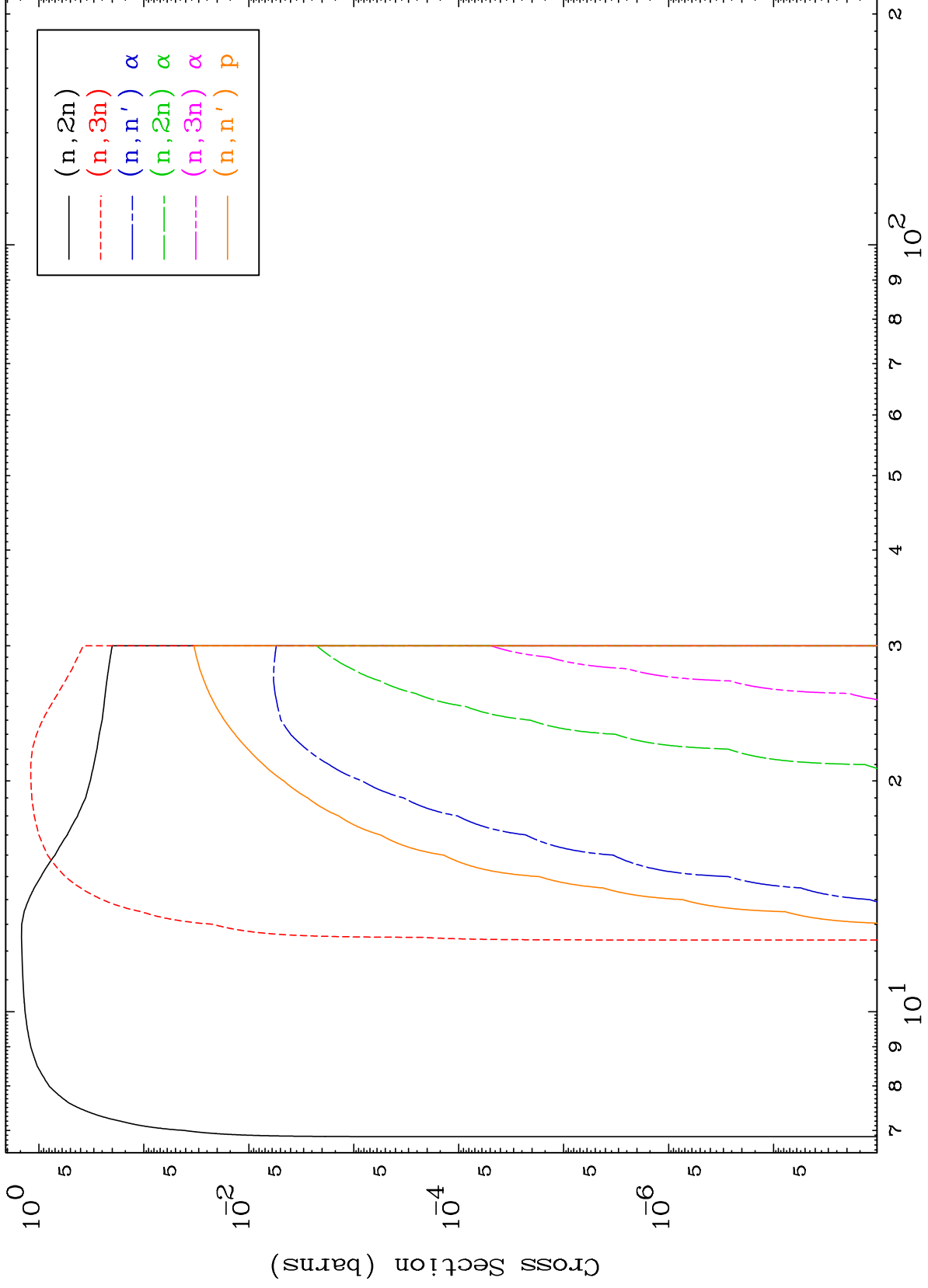
41-Nb-103



MAT 4155

Neutron Production  
293 Kelvin Cross Sections

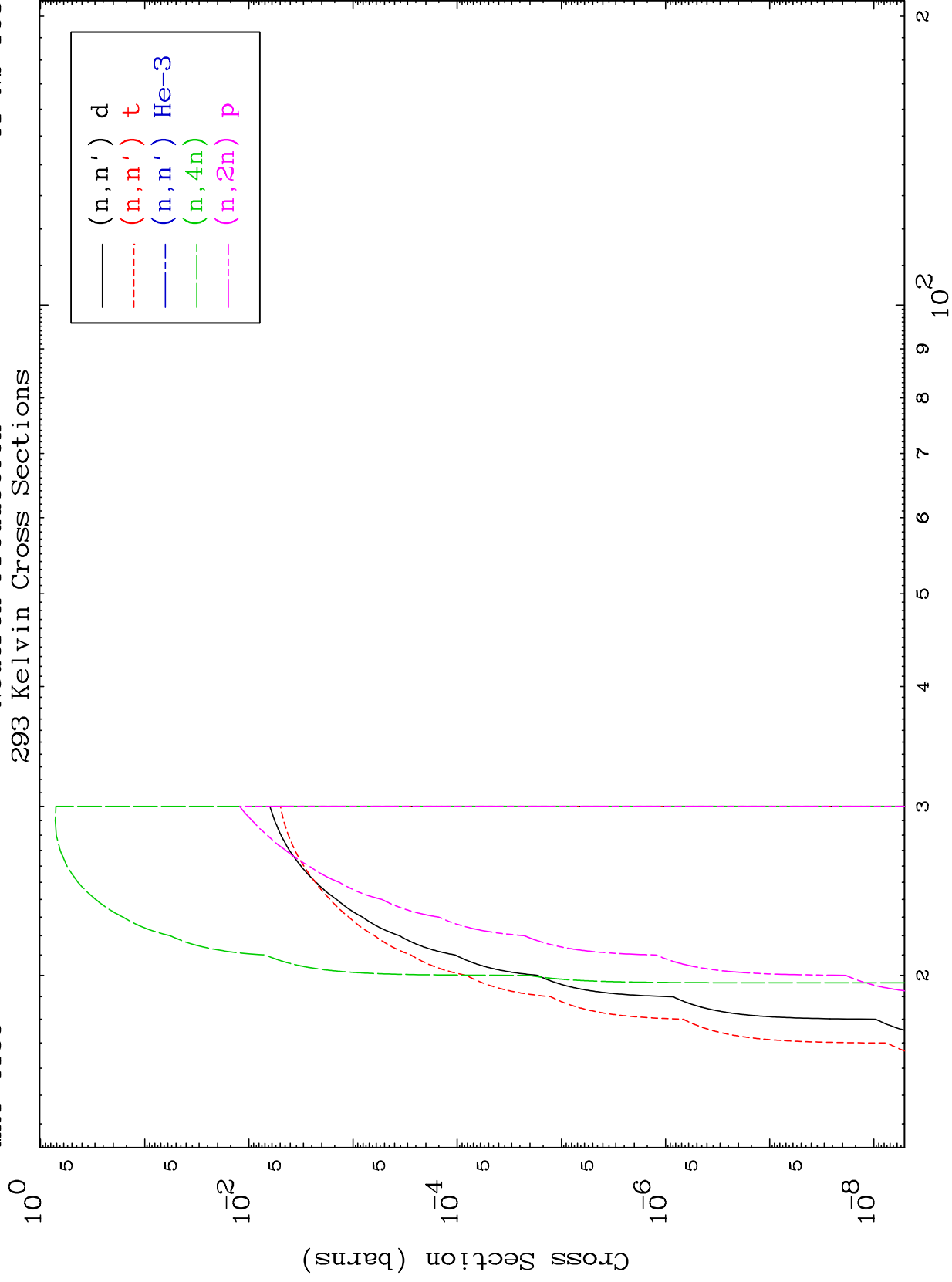
41-Nb-103



2

Incident Energy (MeV)

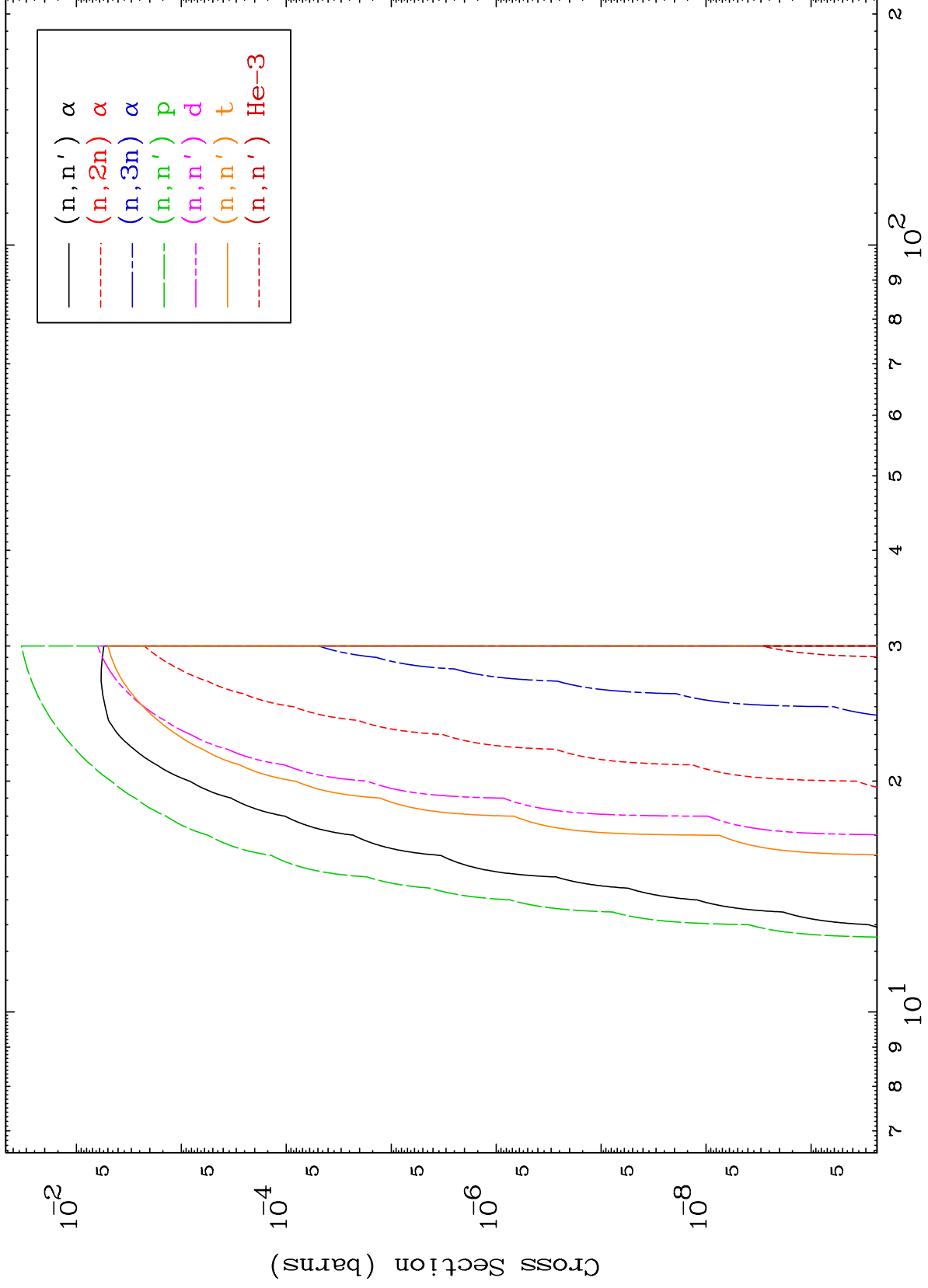
41-Nb-103



MAT 4155

Charged Particle  
293 Kelvin Cross Sections

41-Nb-103



4

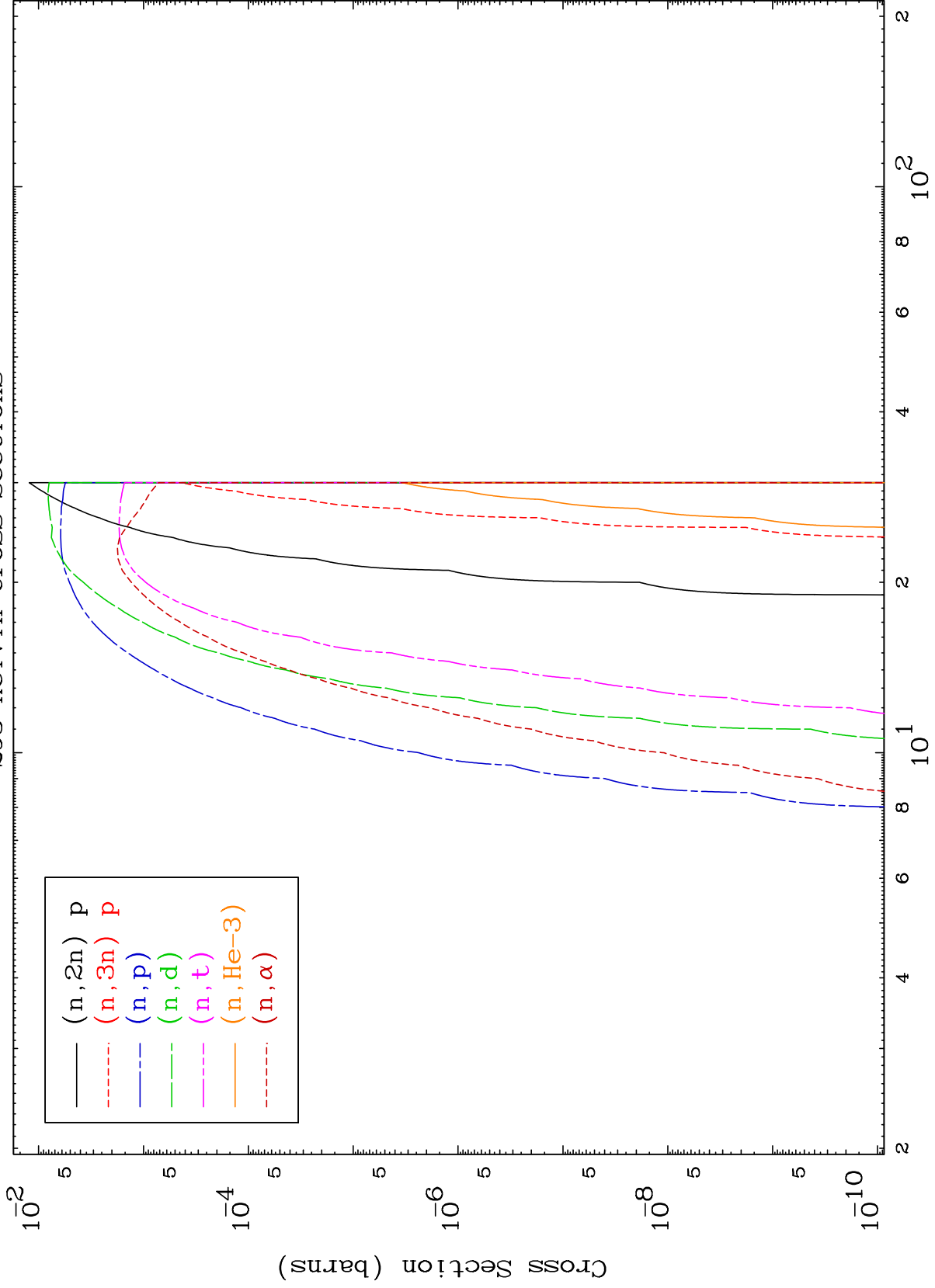
Incident Energy (MeV)

41-Nb-103

MAT 4155

Charged Particle  
293 Kelvin Cross Sections

41-Nb-103



5

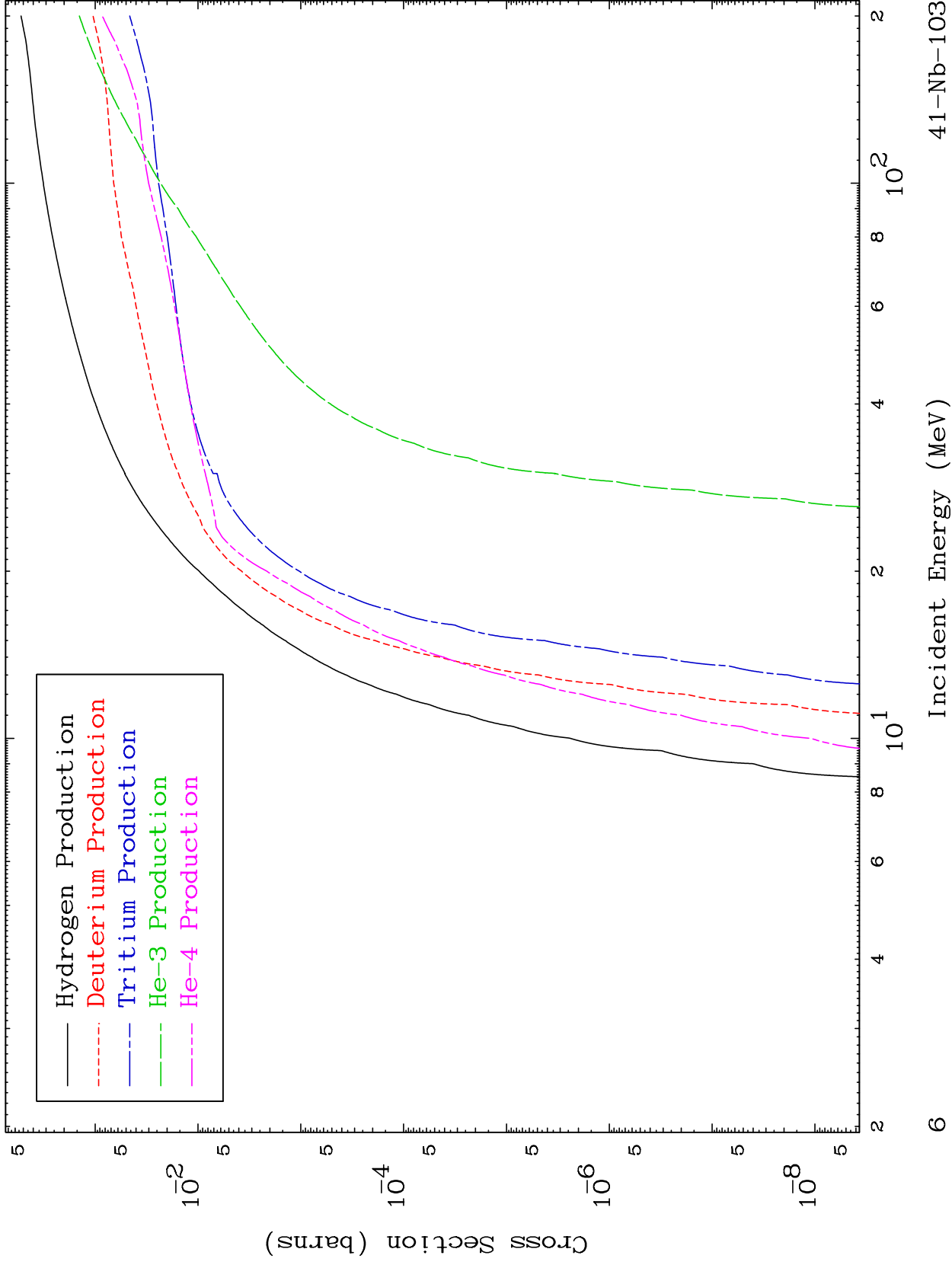
Incident Energy (MeV)

41-Nb-103

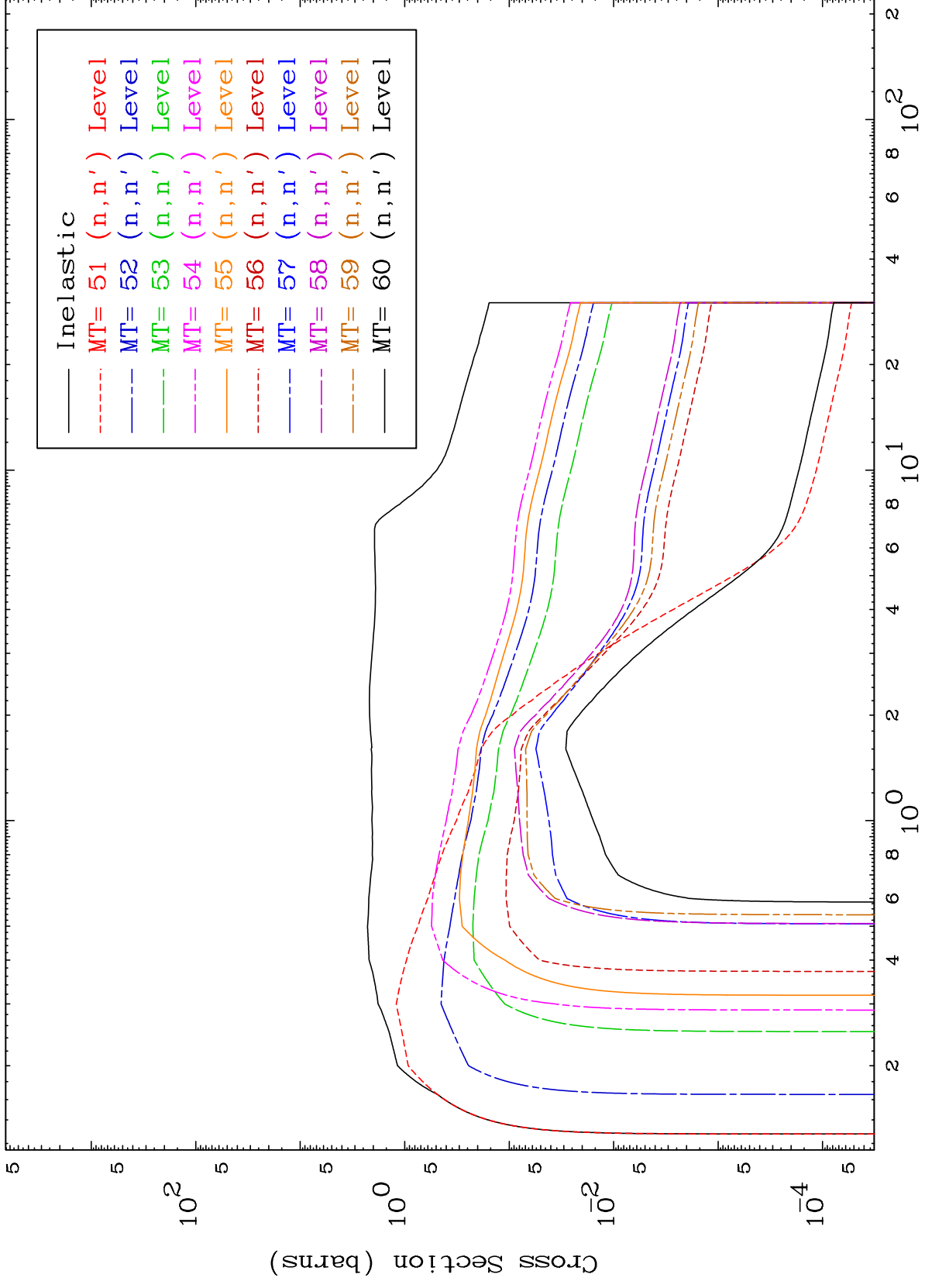
MAT 4155

Particle Production  
293 Kelvin Cross Sections

41-Nb-103



293 Kelvin Cross Sections



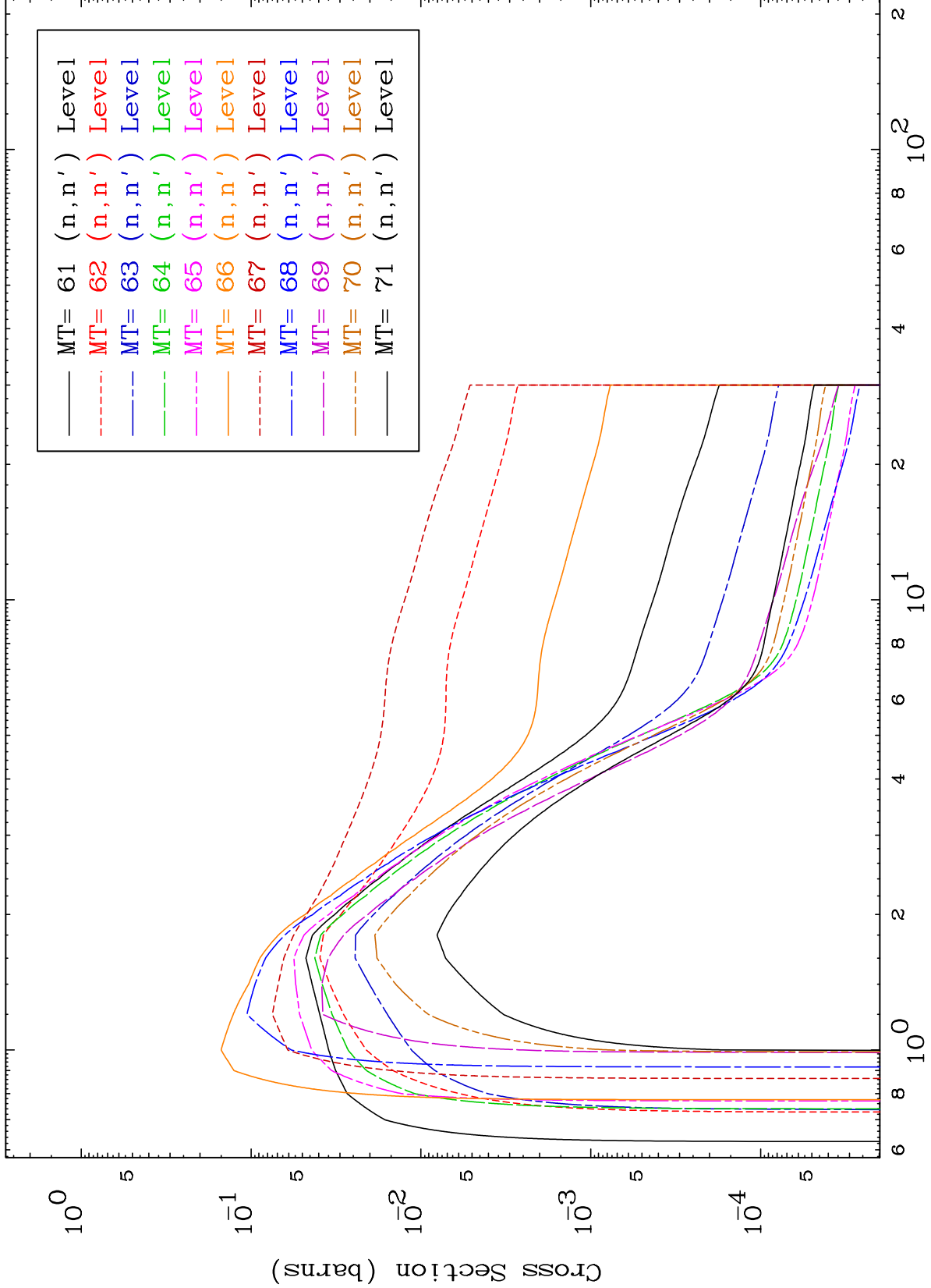


MAT 4155

(n,n') Level

41-Nb-103

293 Kelvin Cross Sections



Incident Energy (MeV)

41-Nb-103

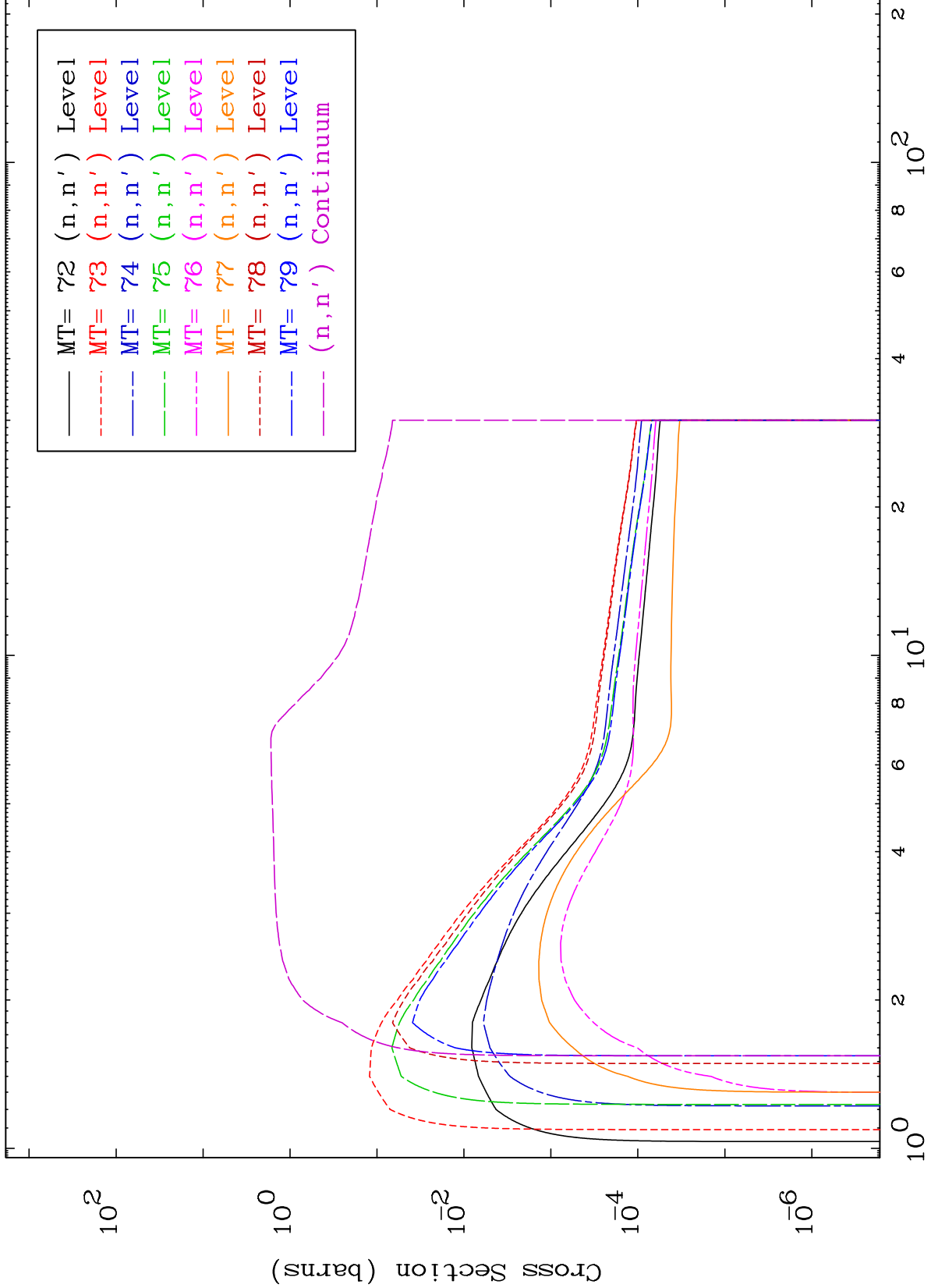
8

MAT 4155

(n,n') Level

41-Nb-103

293 Kelvin Cross Sections



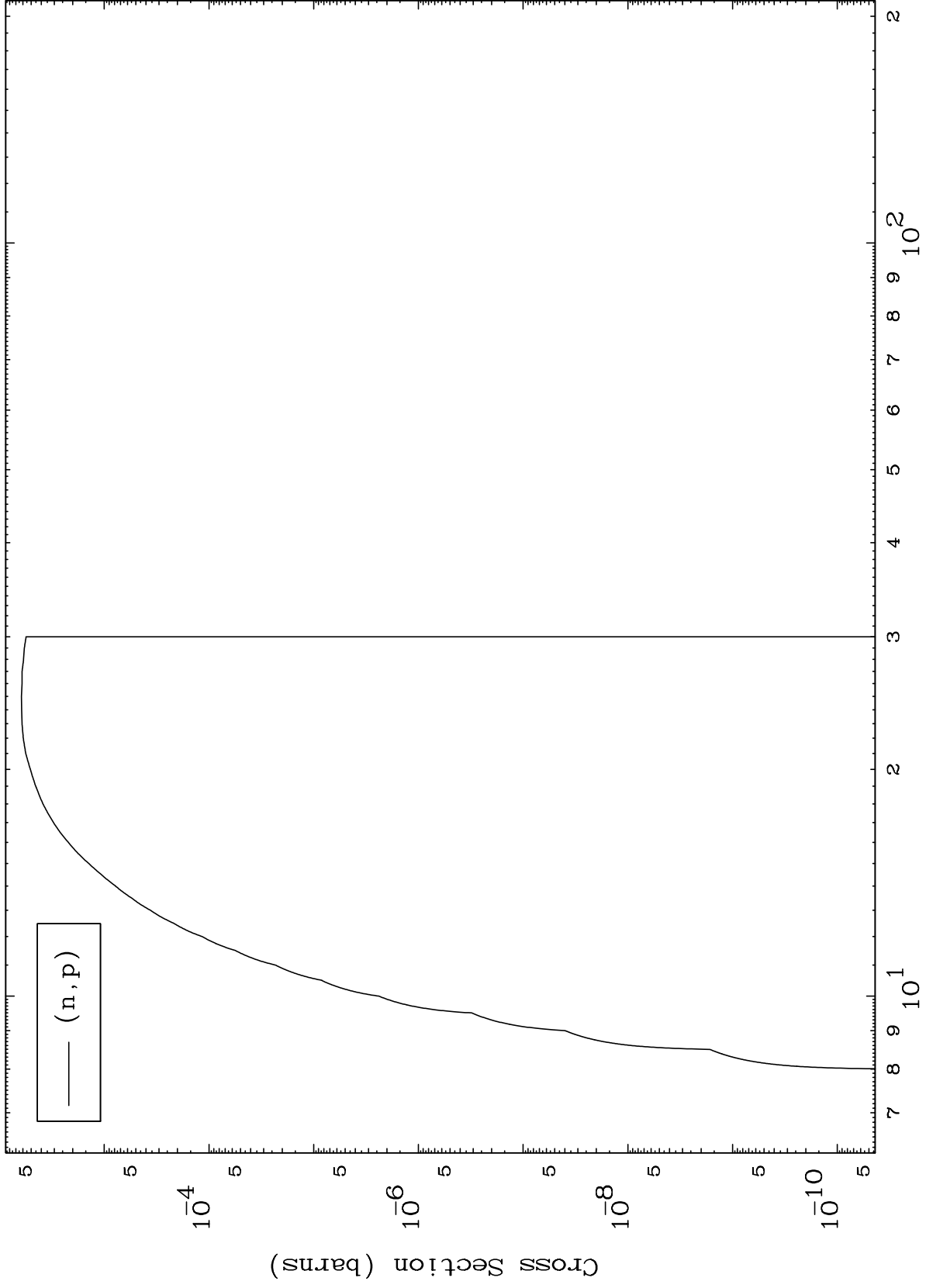
Incident Energy (MeV)

41-Nb-103

MAT 4155

(n,p) Levels  
293 Kelvin Cross Sections

41-Nb-103



10

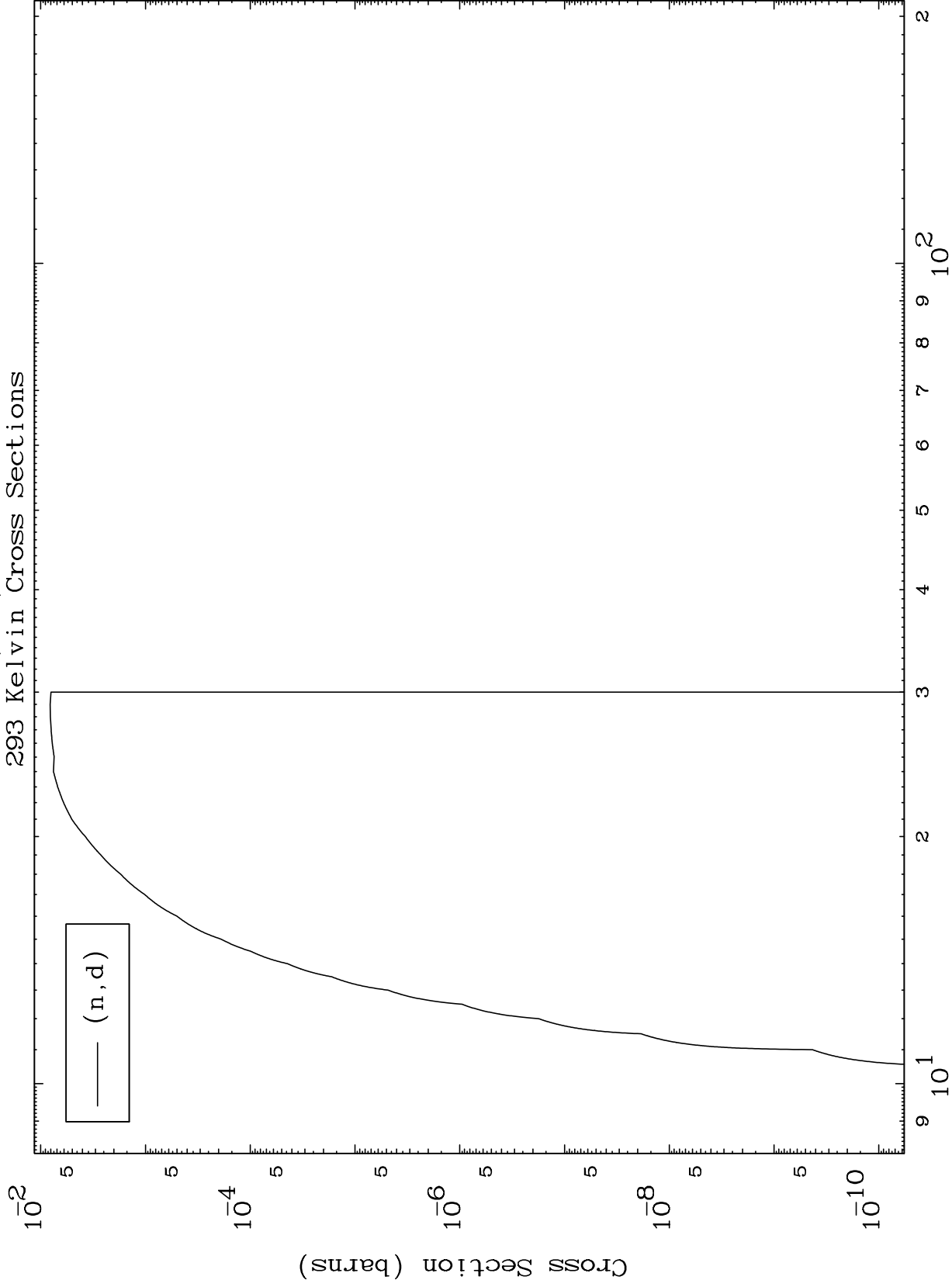
Incident Energy (MeV)

41-Nb-103

MAT 4155

(n,d) Levels  
293 Kelvin Cross Sections

41-Nb-103



11

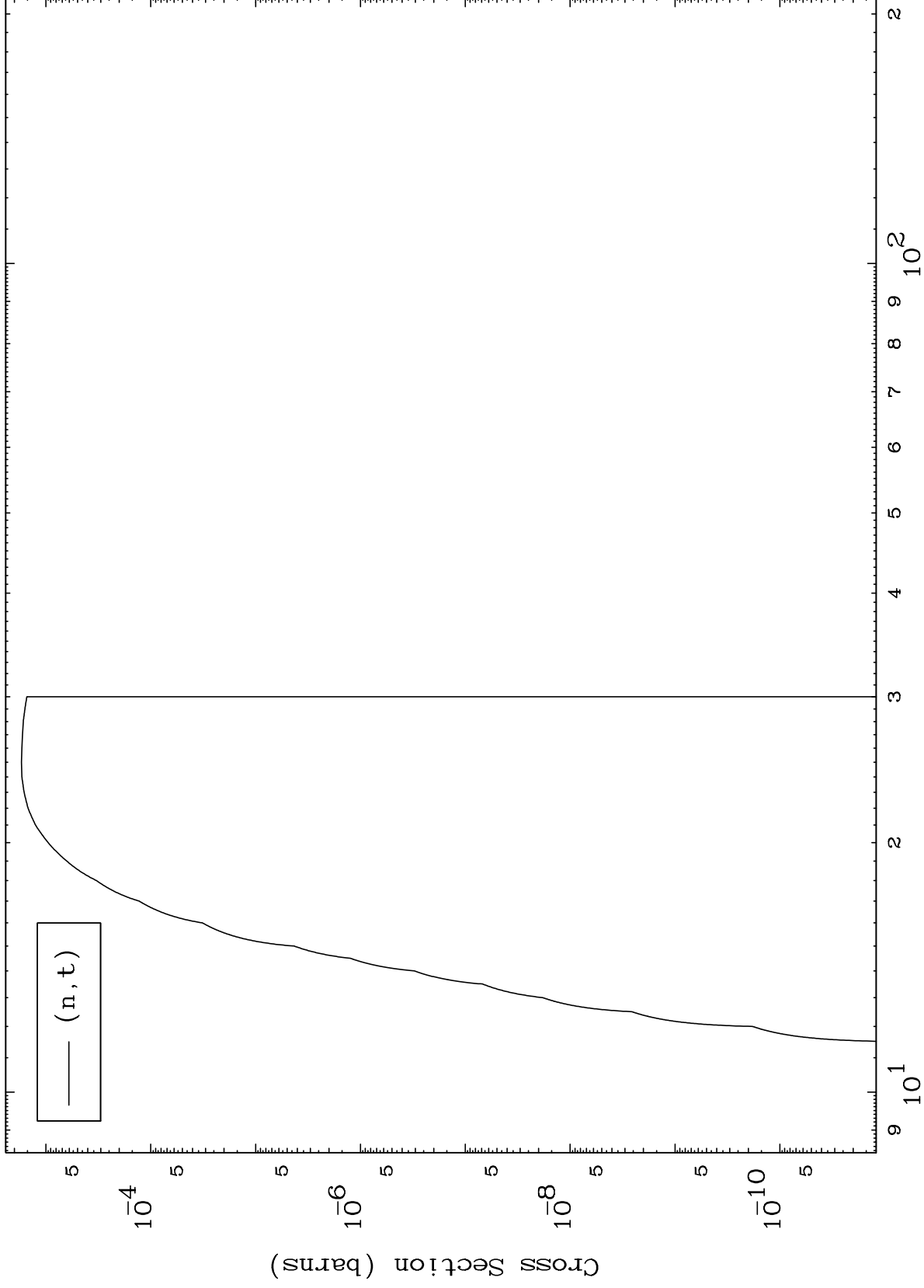
Incident Energy (MeV)

41-Nb-103

MAT 4155

(n,t) Levels  
293 Kelvin Cross Sections

41-Nb-103



12

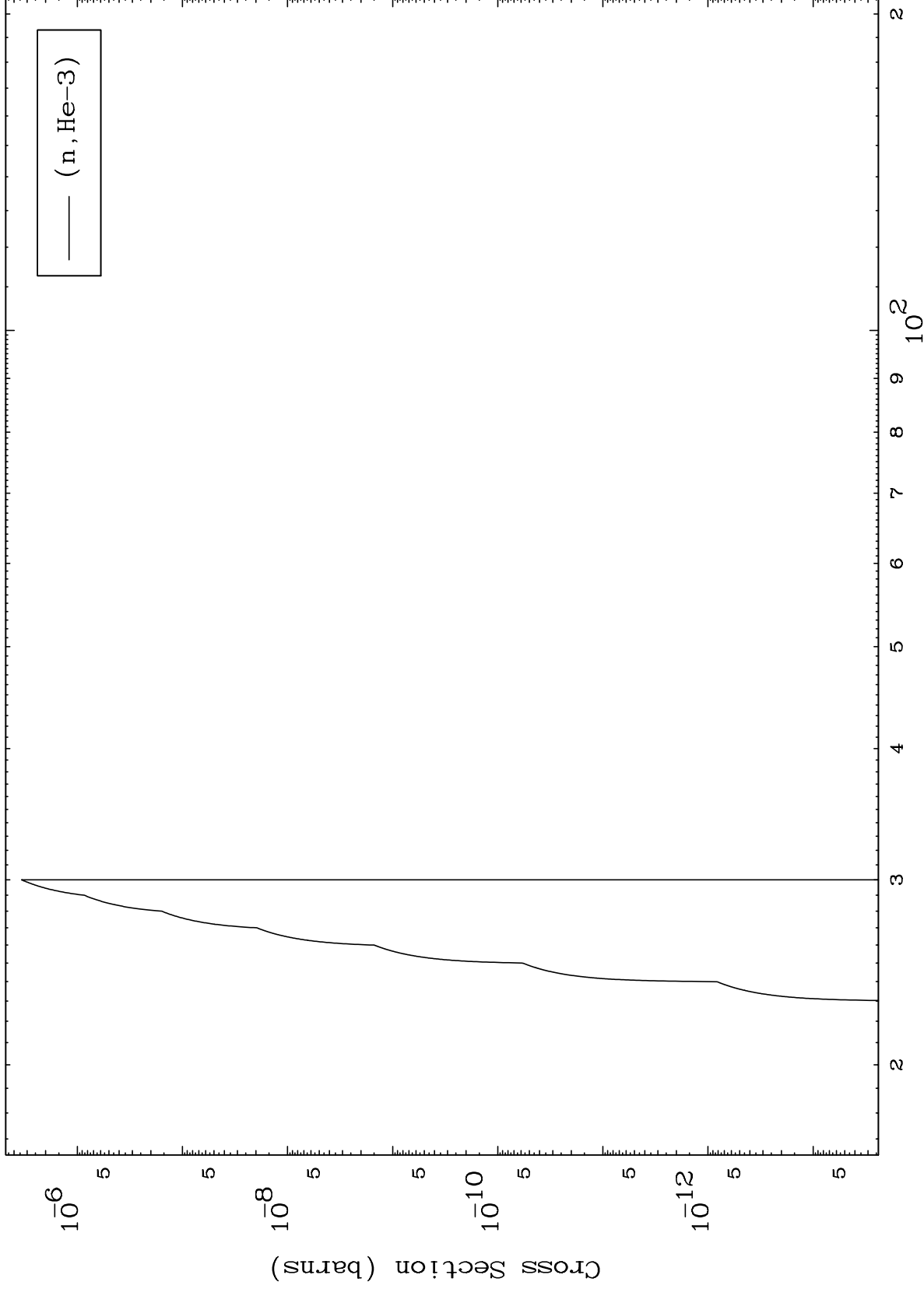
Incident Energy (MeV)

41-Nb-103

MAT 4155

(n,He3) Levels  
293 Kelvin Cross Sections

41-Nb-103



13

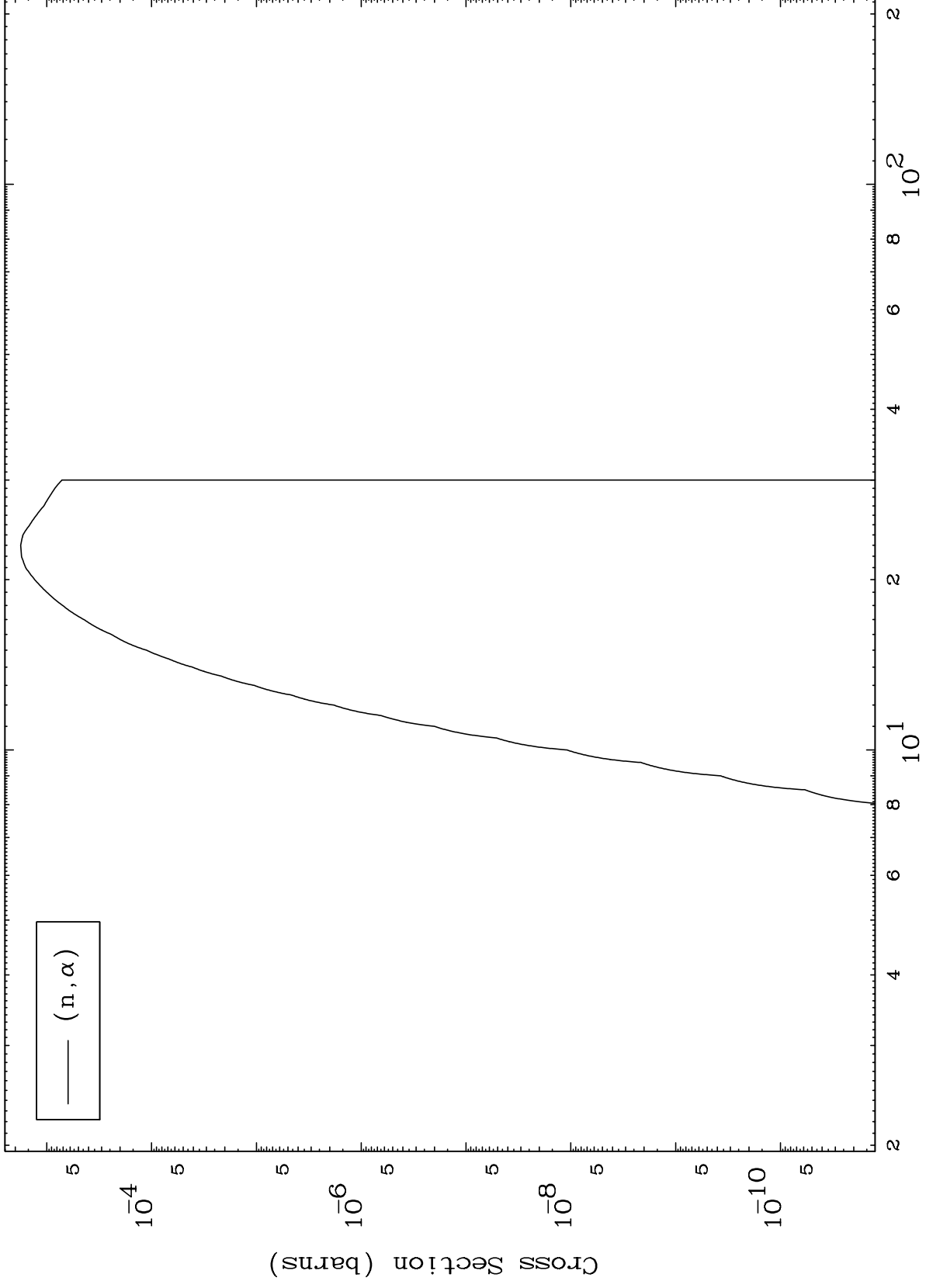
Incident Energy (MeV)

41-Nb-103

MAT 4155

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

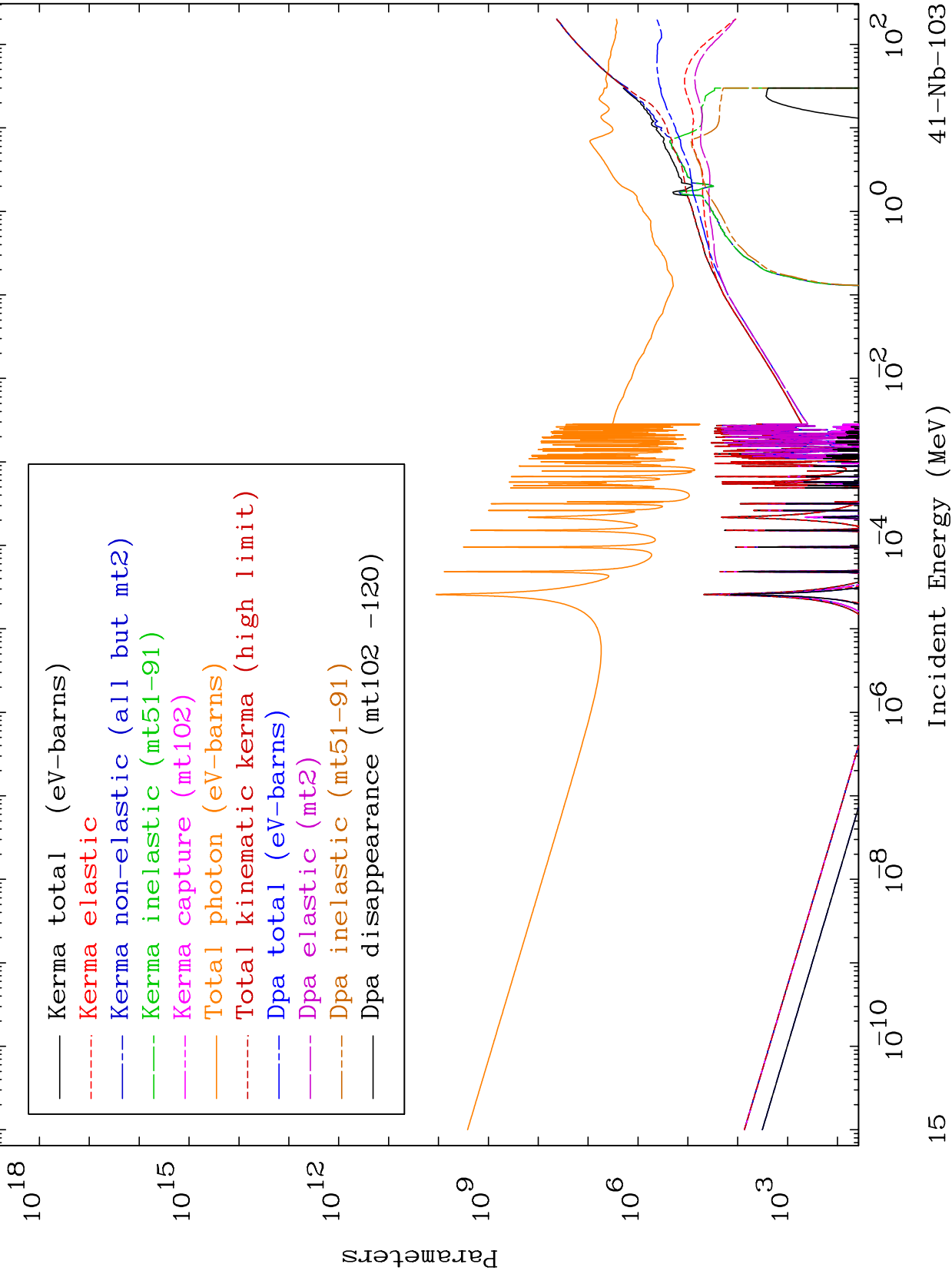
41-Nb-103



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Incident Energy (MeV)

41-Nb-103

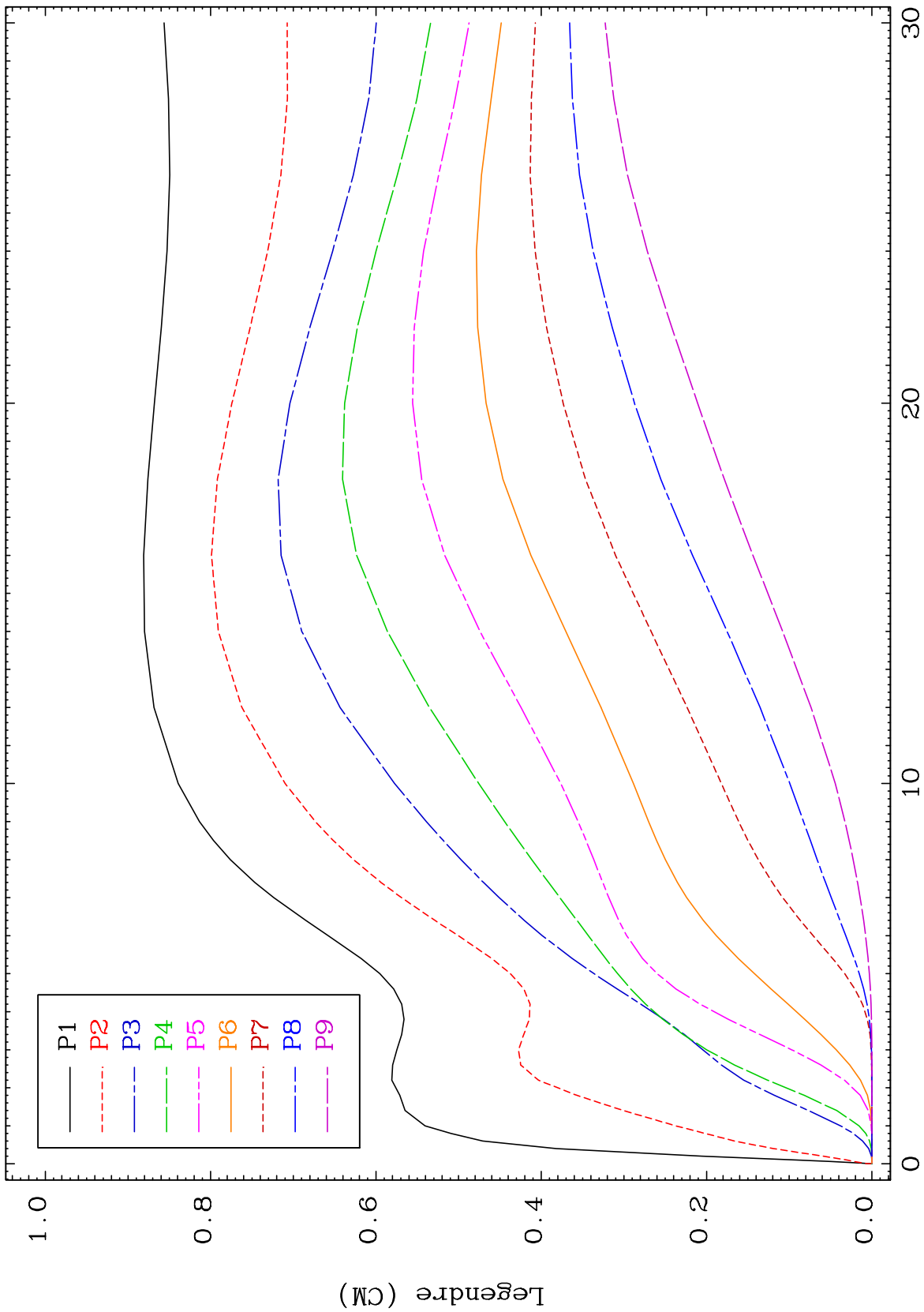




MAT 4155

Elastic Legendre Coefficients

41-Nb-103



16

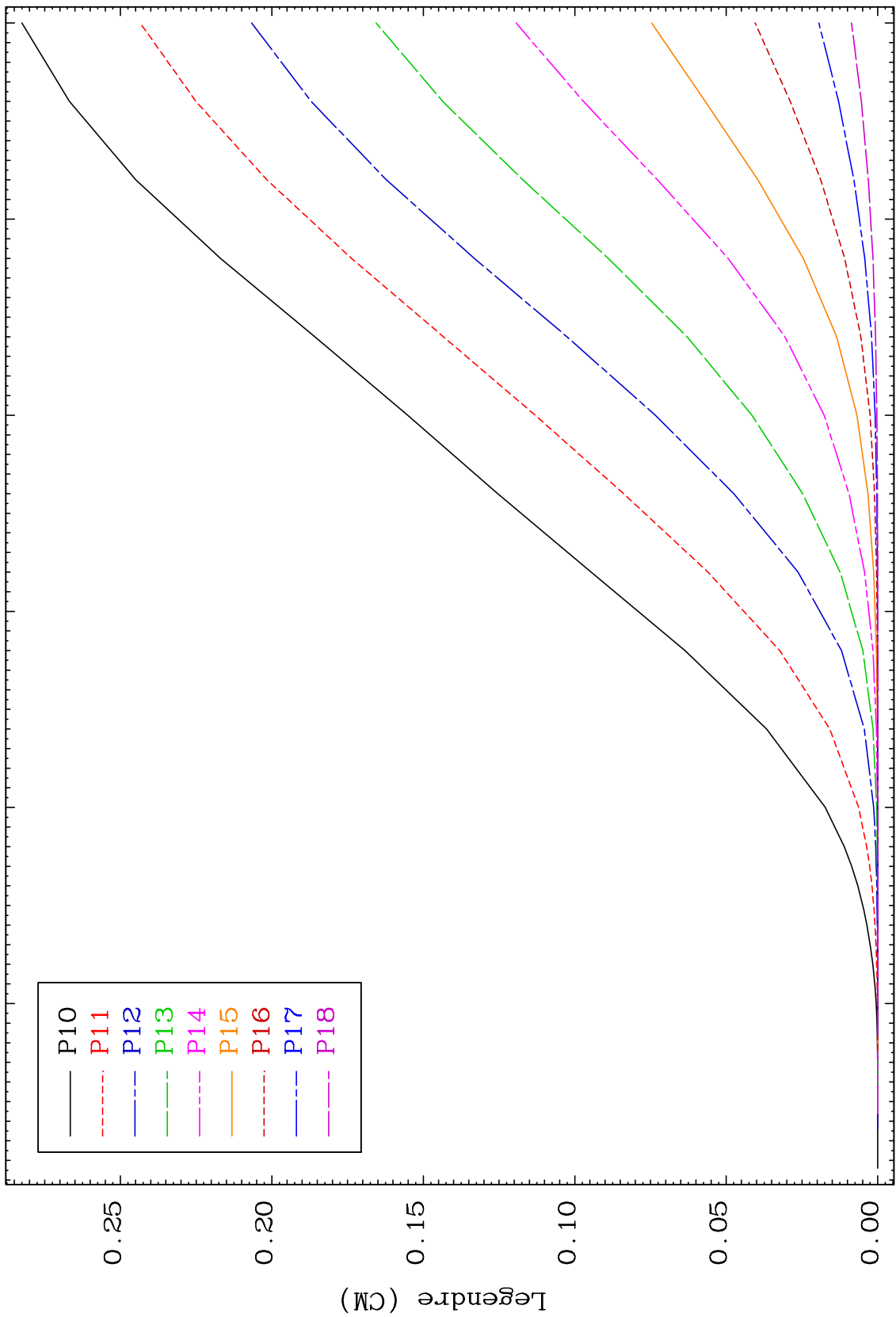
Incident Energy (MeV)

41-Nb-103

MAT 4155

Elastic Legendre Coefficients

41-Nb-103



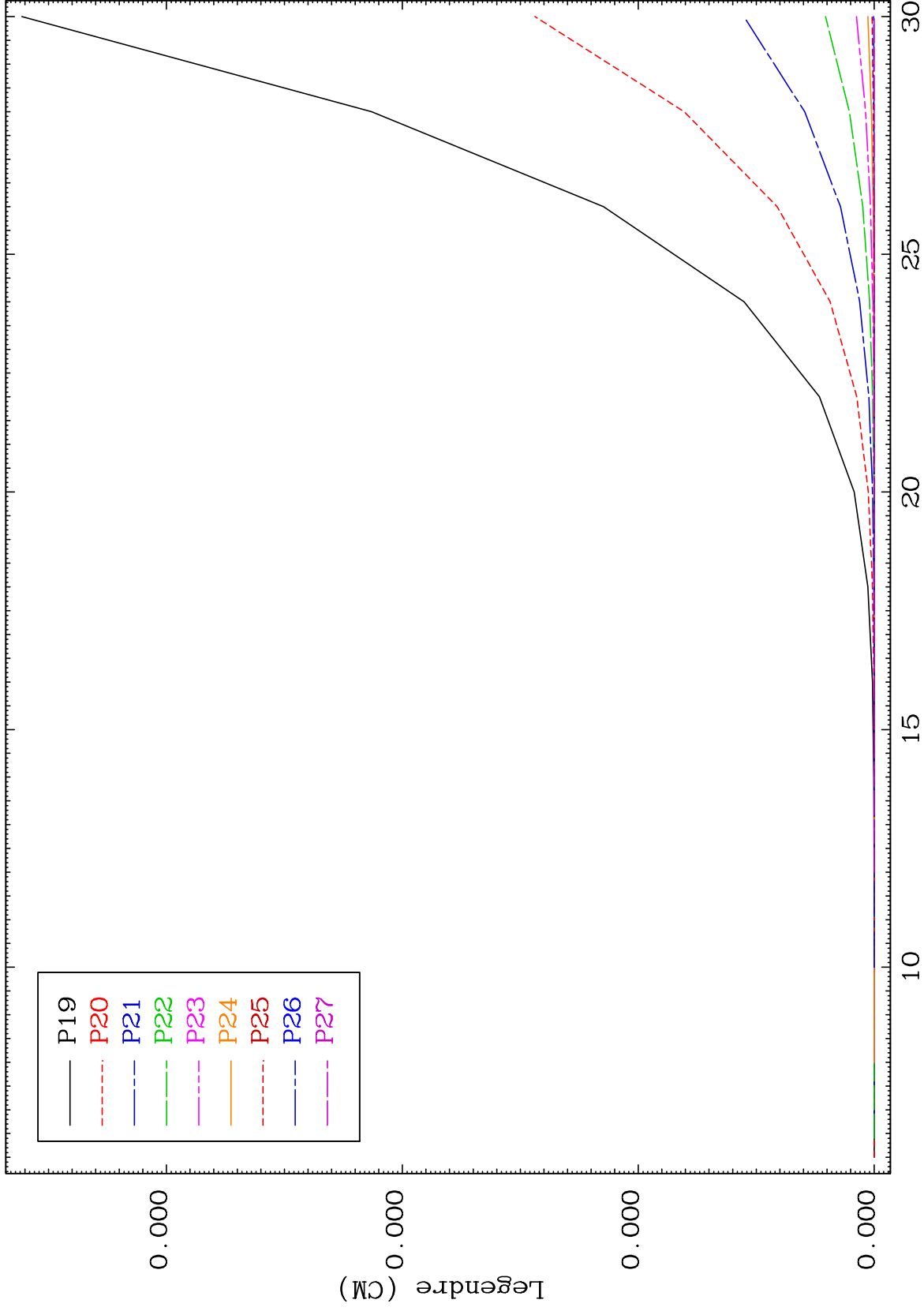
17

41-Nb-103

MAT 4155

Elastic Legendre Coefficients

41-Nb-103



18

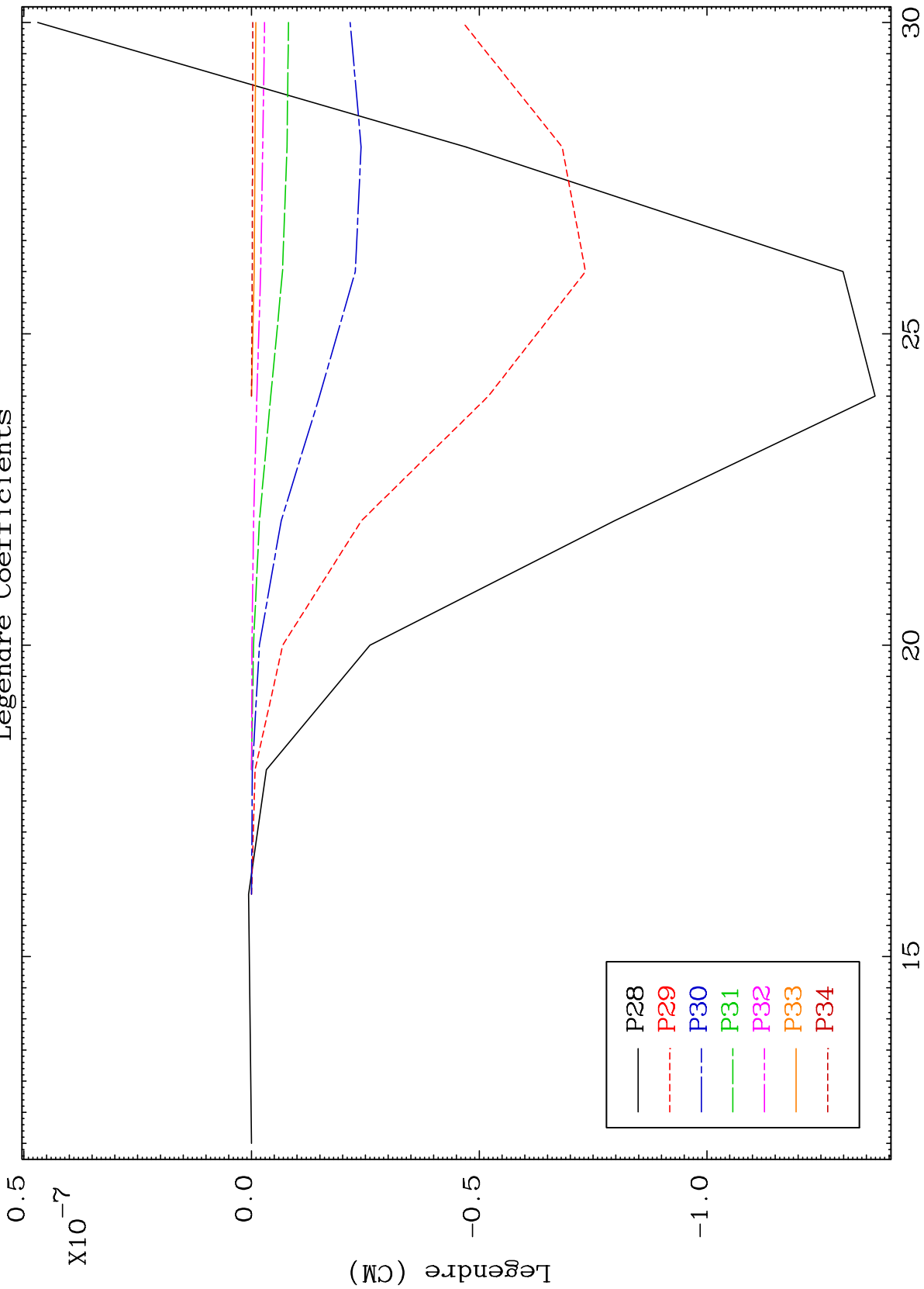
Incident Energy (MeV)

41-Nb-103

MAT 4155

41-Nb-103

Elastic Legendre Coefficients



19

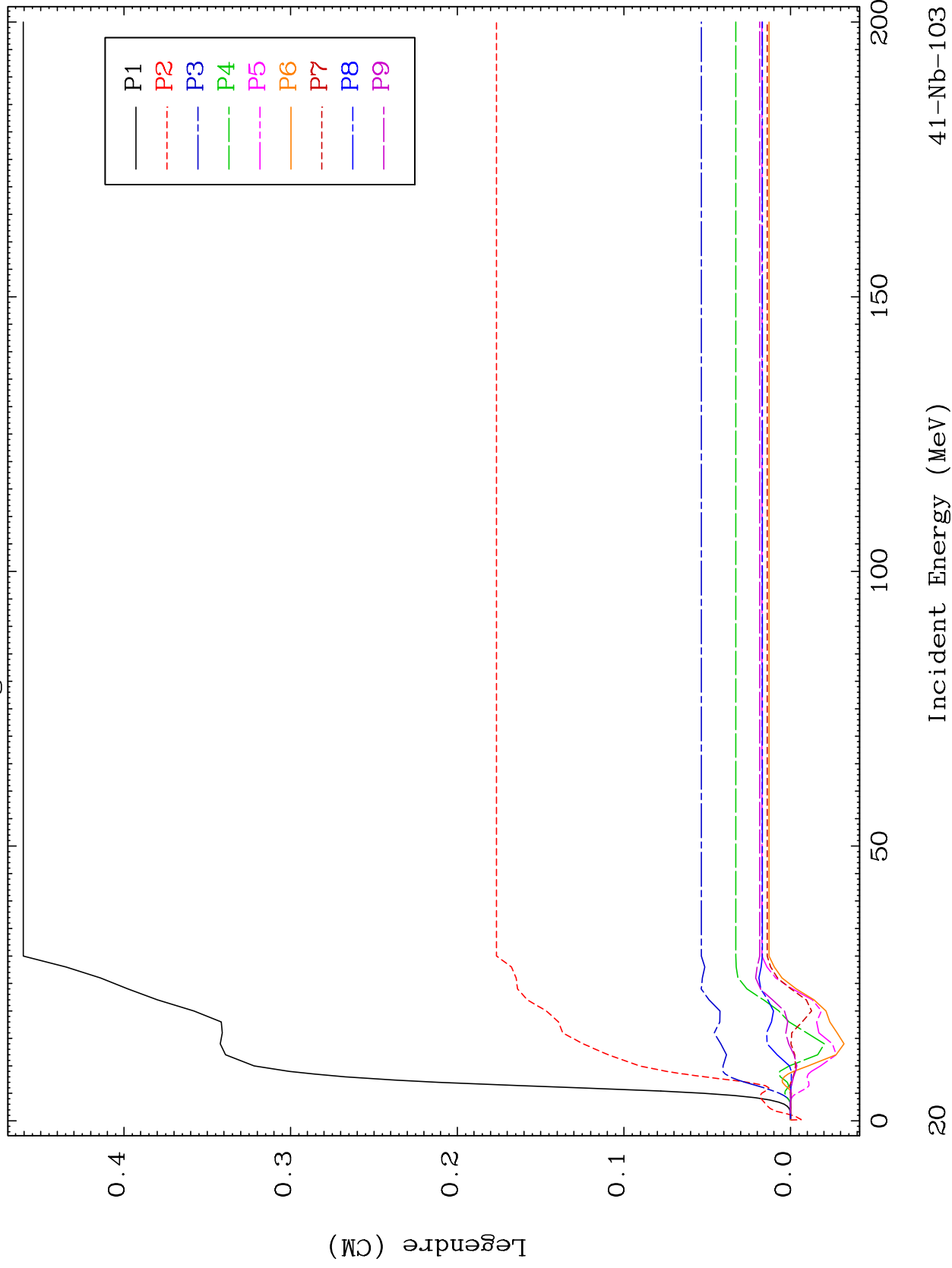
Incident Energy (MeV)

41-Nb-103

MAT 4155

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

41-Nb-103



41-Nb-103

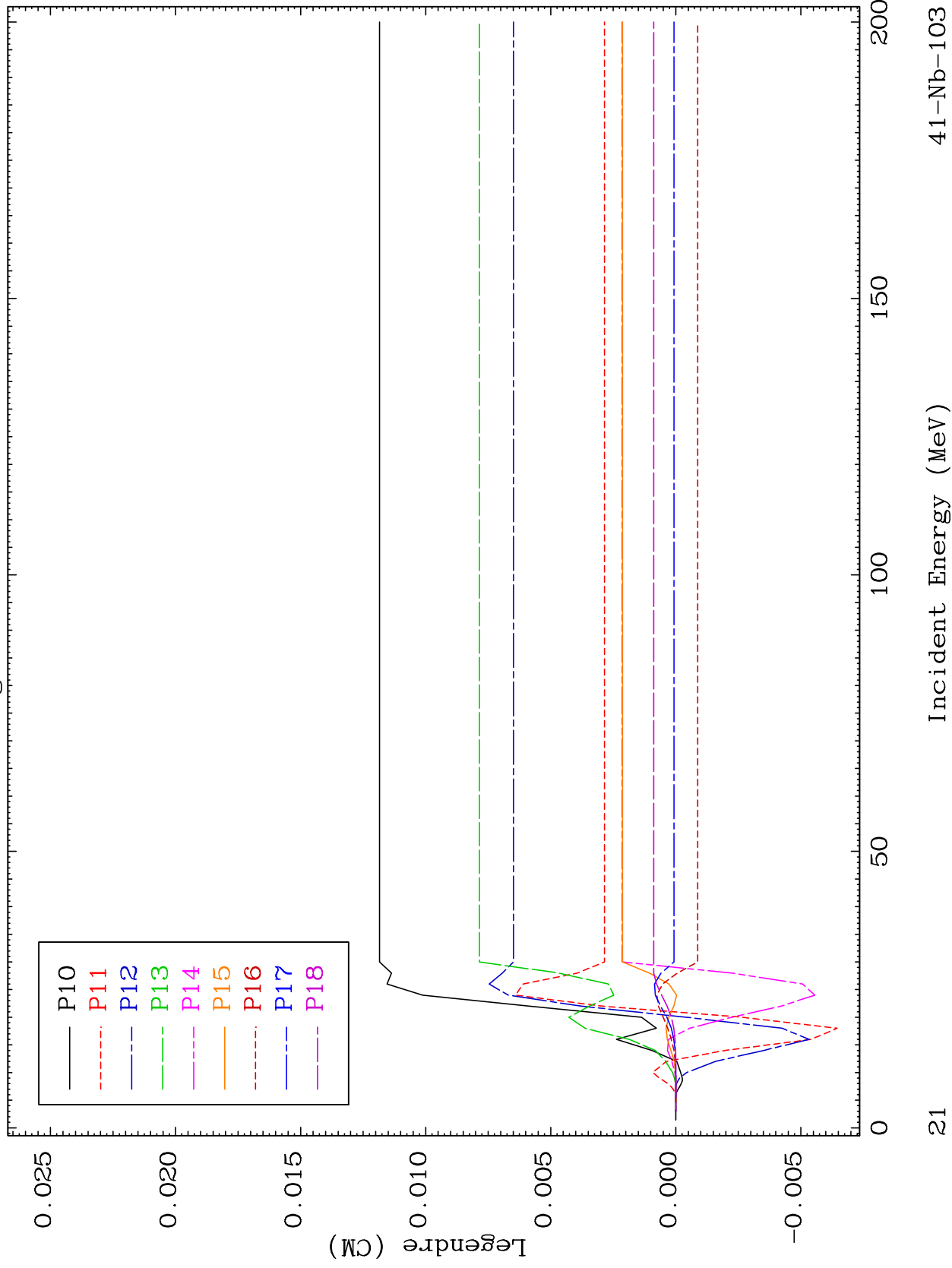
Incident Energy (MeV)

0

MAT 4155

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

41-Nb-103



21

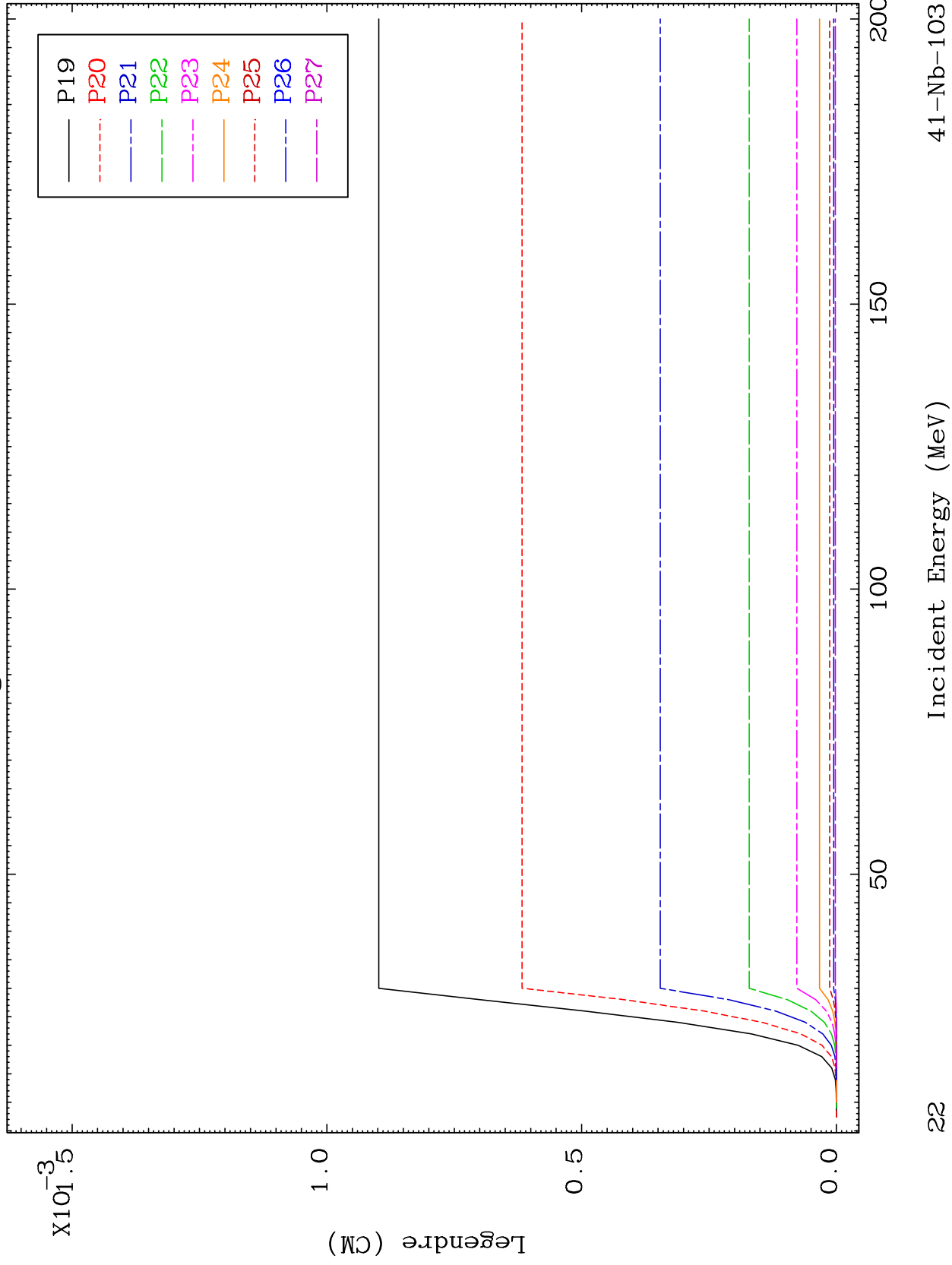
Incident Energy (MeV)

41-Nb-103

MAT 4155

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

41-Nb-103



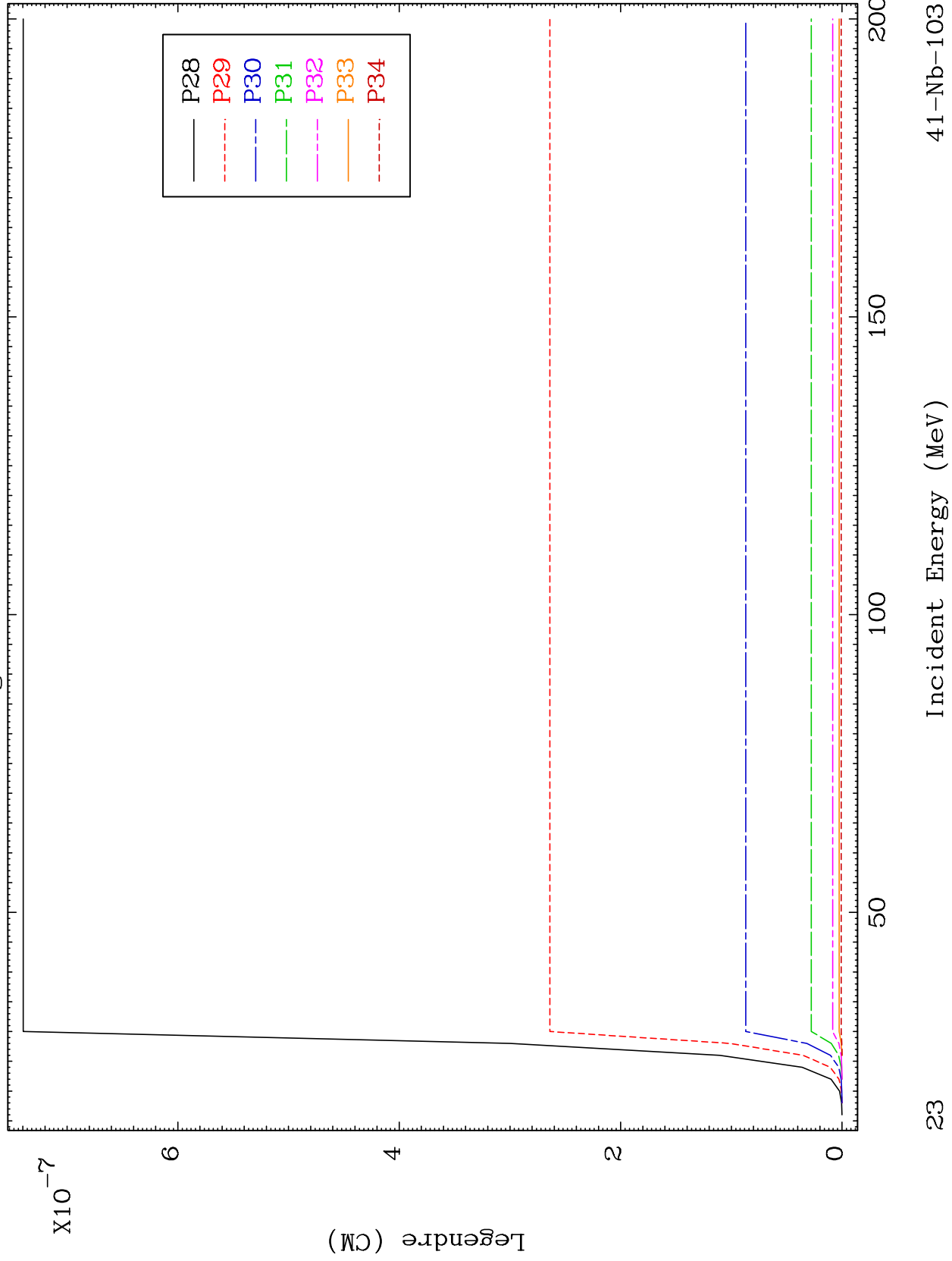
22

41-Nb-103

MAT 4155

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

41-Nb-103



23

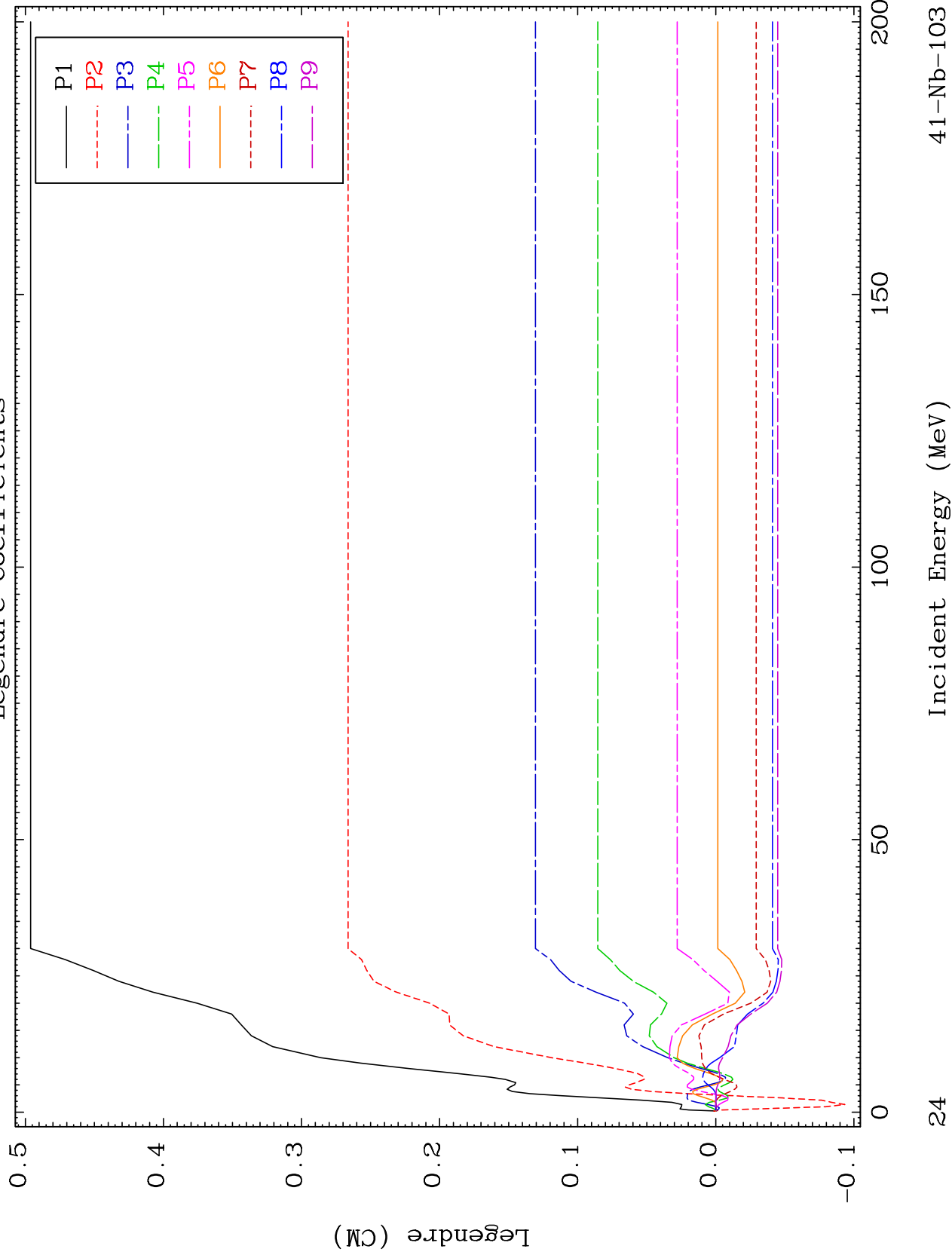
41-Nb-103



MAT 4155

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

41-Nb-103



41-Nb-103

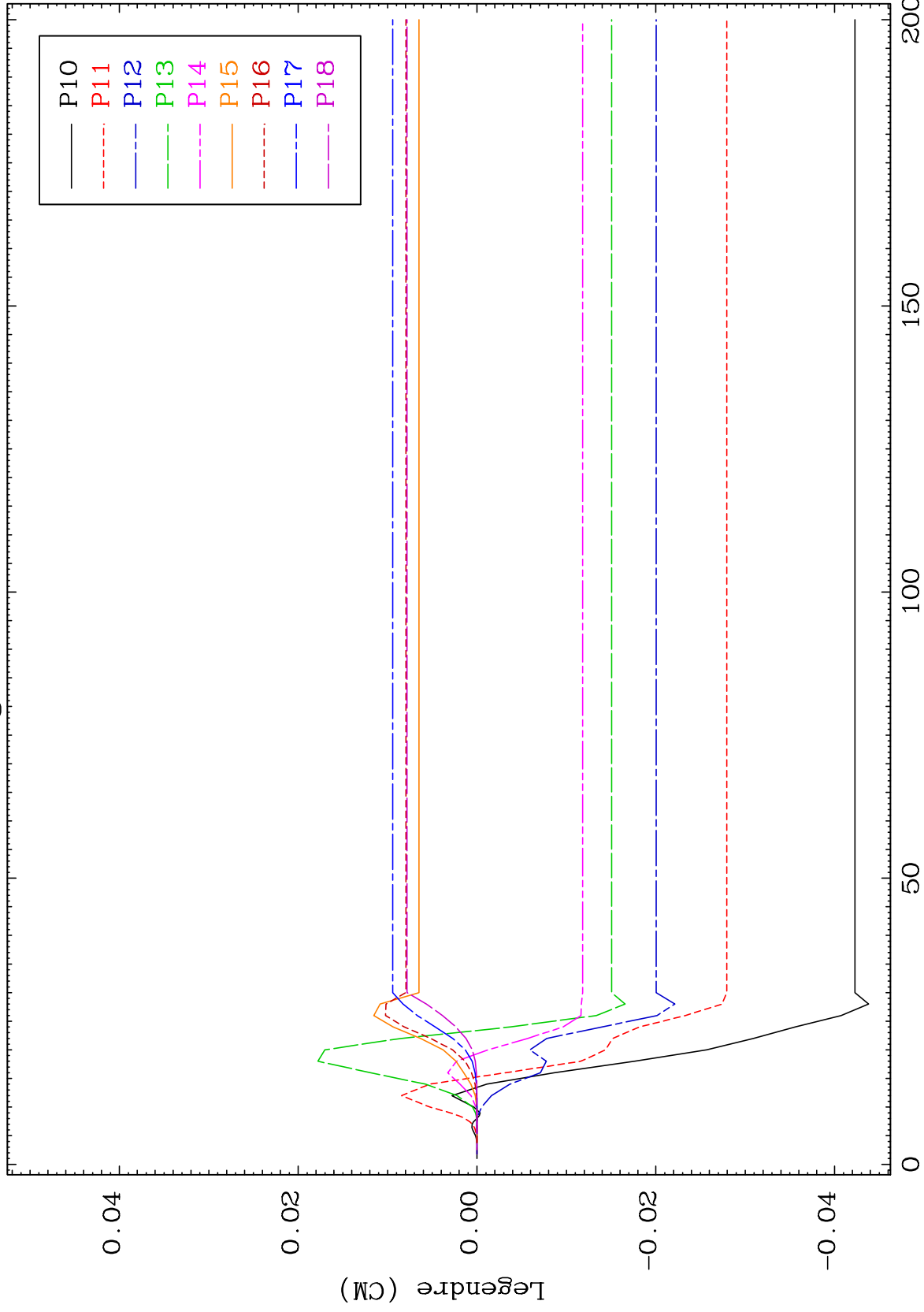
Incident Energy (MeV)

24

MAT 4155

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

41-Nb-103



25

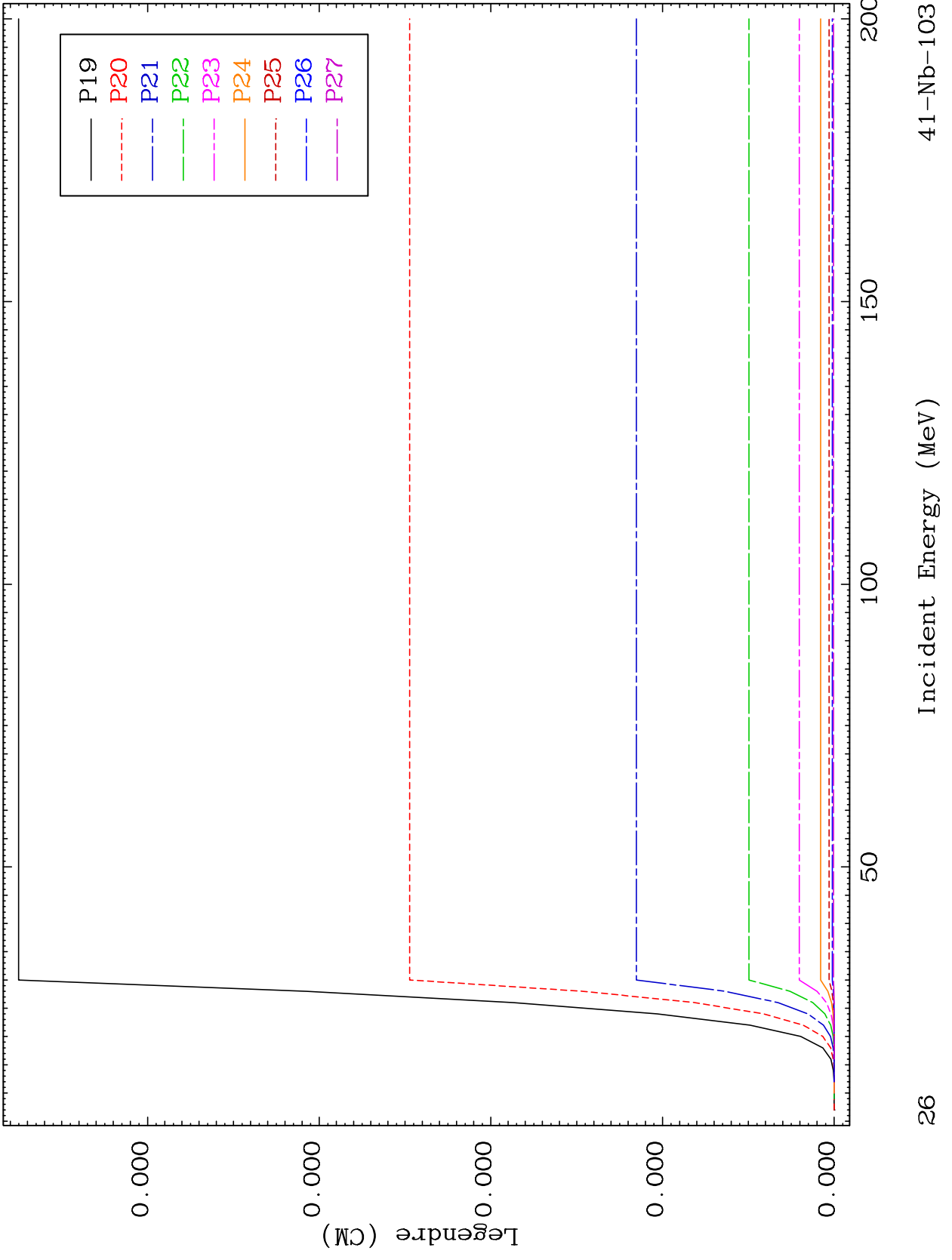
Incident Energy (MeV)

41-Nb-103

MAT 4155

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

41-Nb-103



26

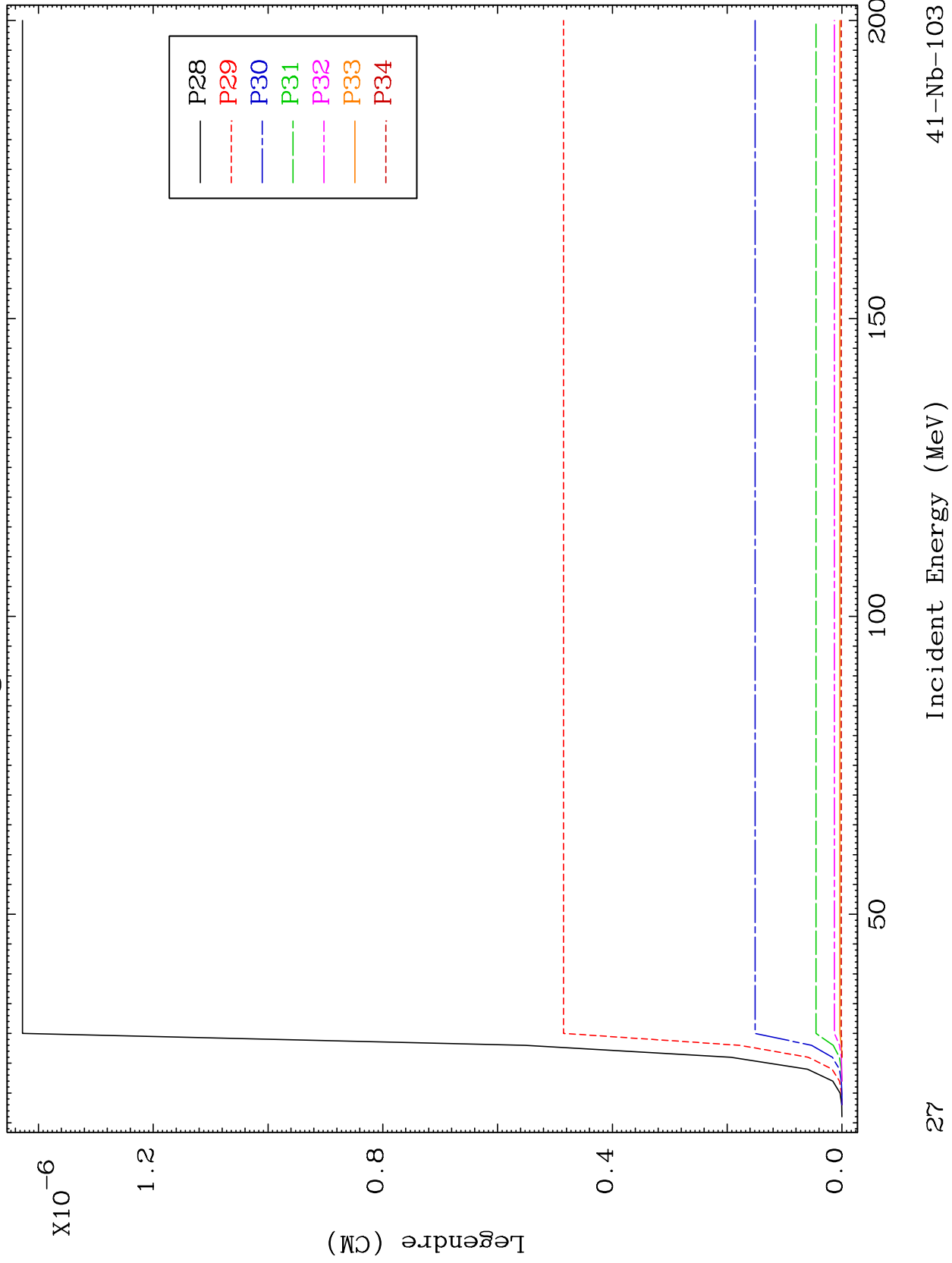
Incident Energy (MeV)

41-Nb-103

MAT 4155

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

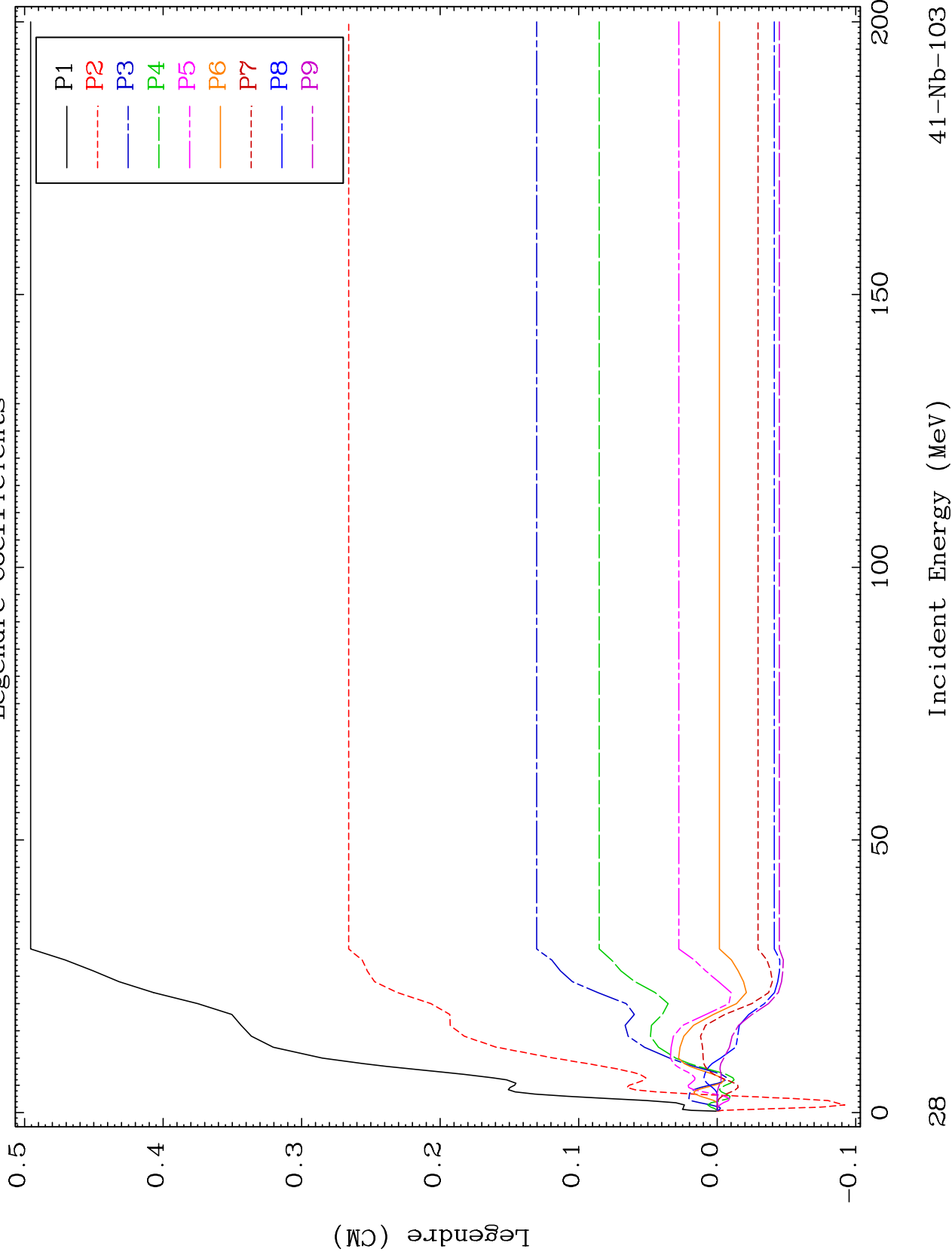
41-Nb-103



MAT 4155

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

41-Nb-103



28

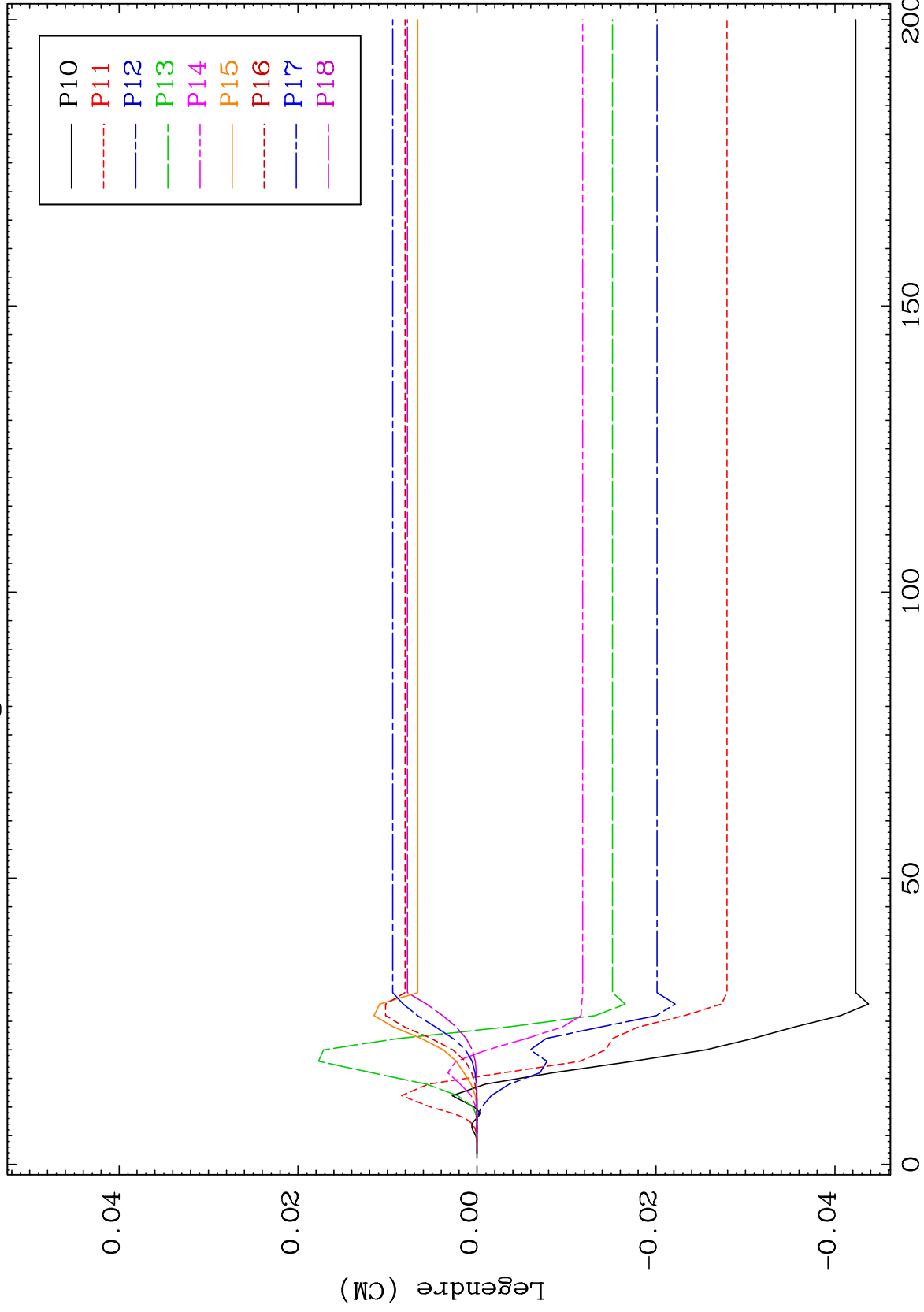
Incident Energy (MeV)

41-Nb-103

MAT 4155

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

41-Nb-103



29

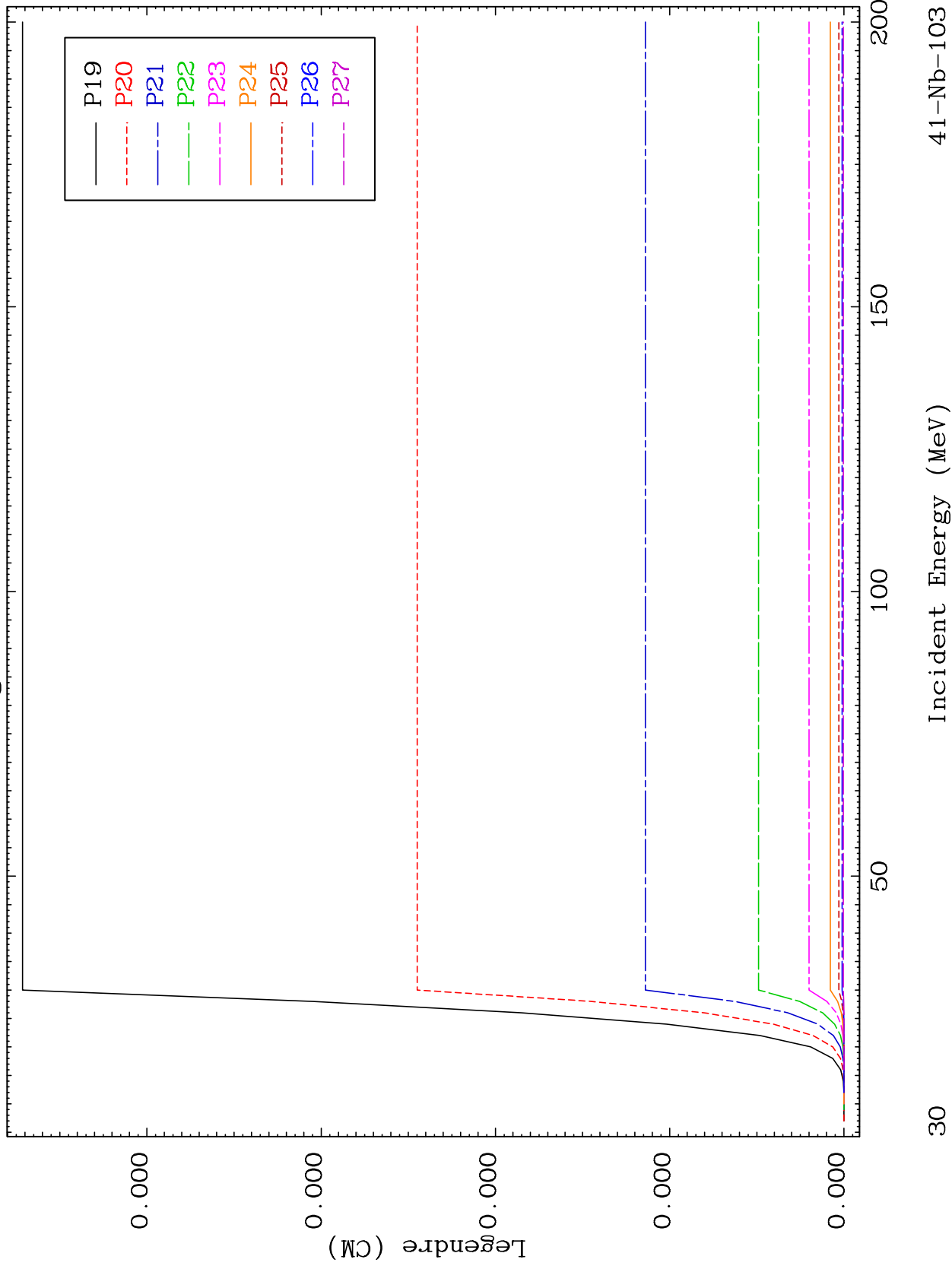
Incident Energy (MeV)

41-Nb-103

MAT 4155

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

41-Nb-103



30

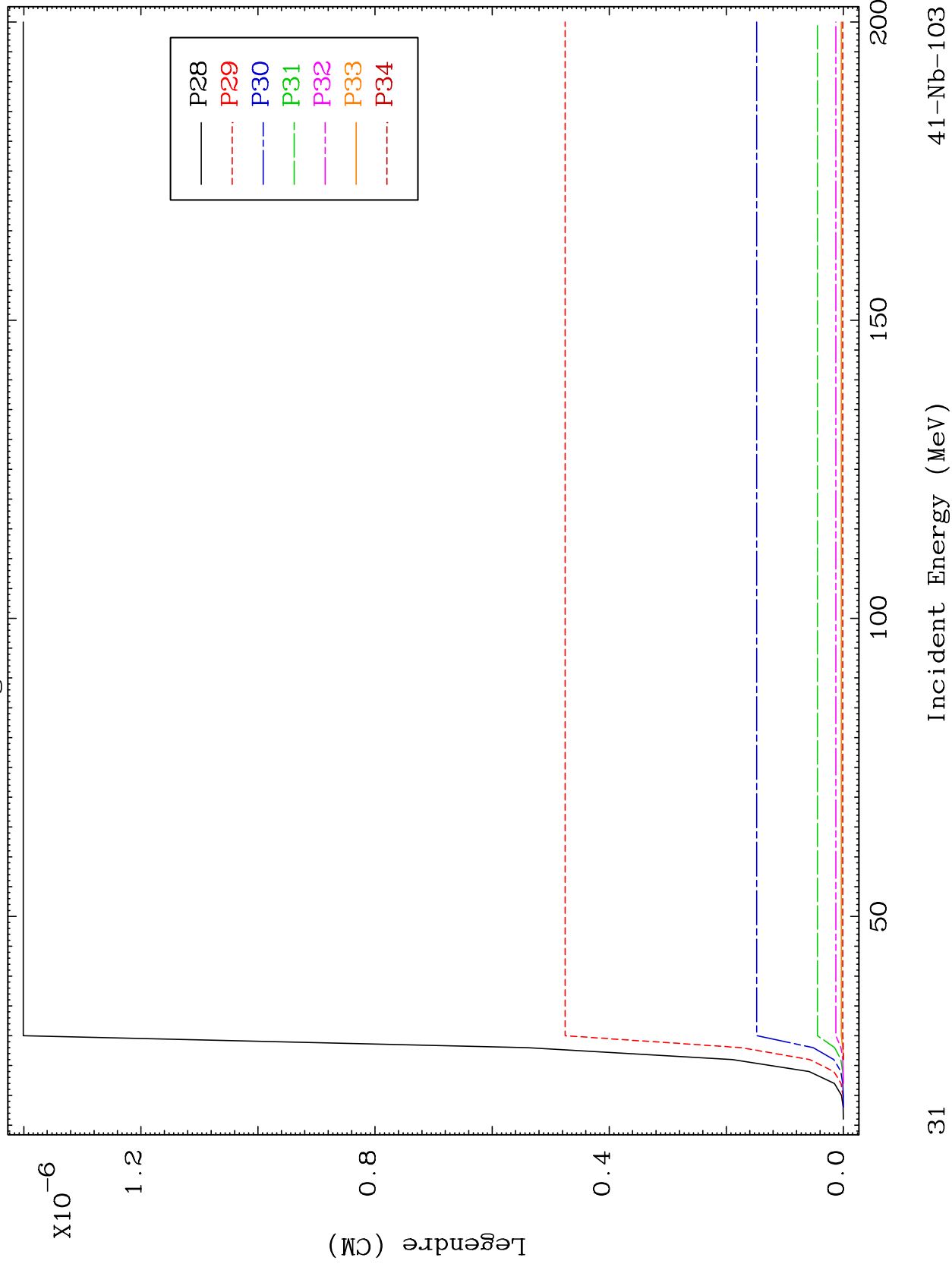
Incident Energy (MeV)

41-Nb-103

MAT 4155

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

41-Nb-103



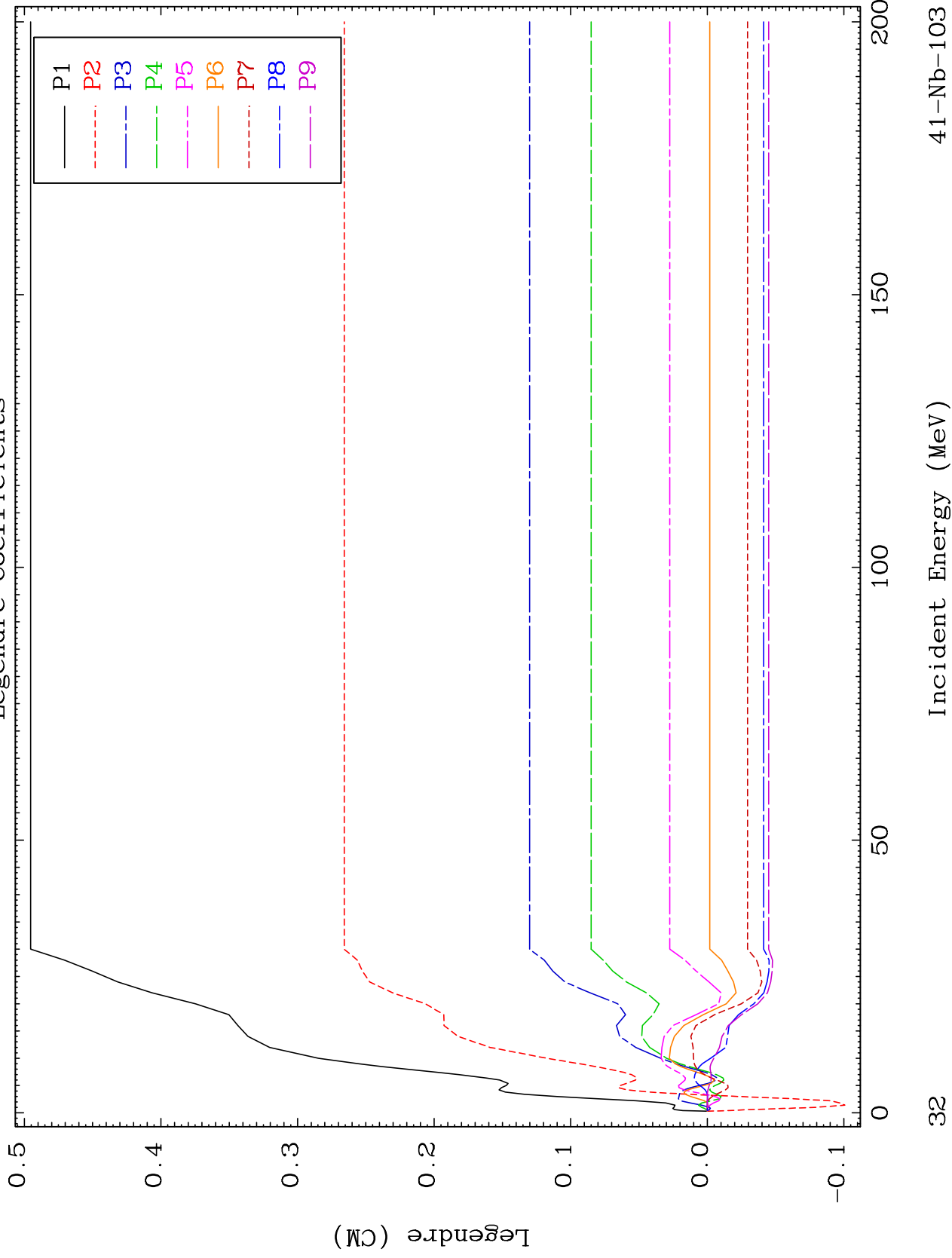


MAT 4155

MT= 54 (n,n') Level

41-Nb-103

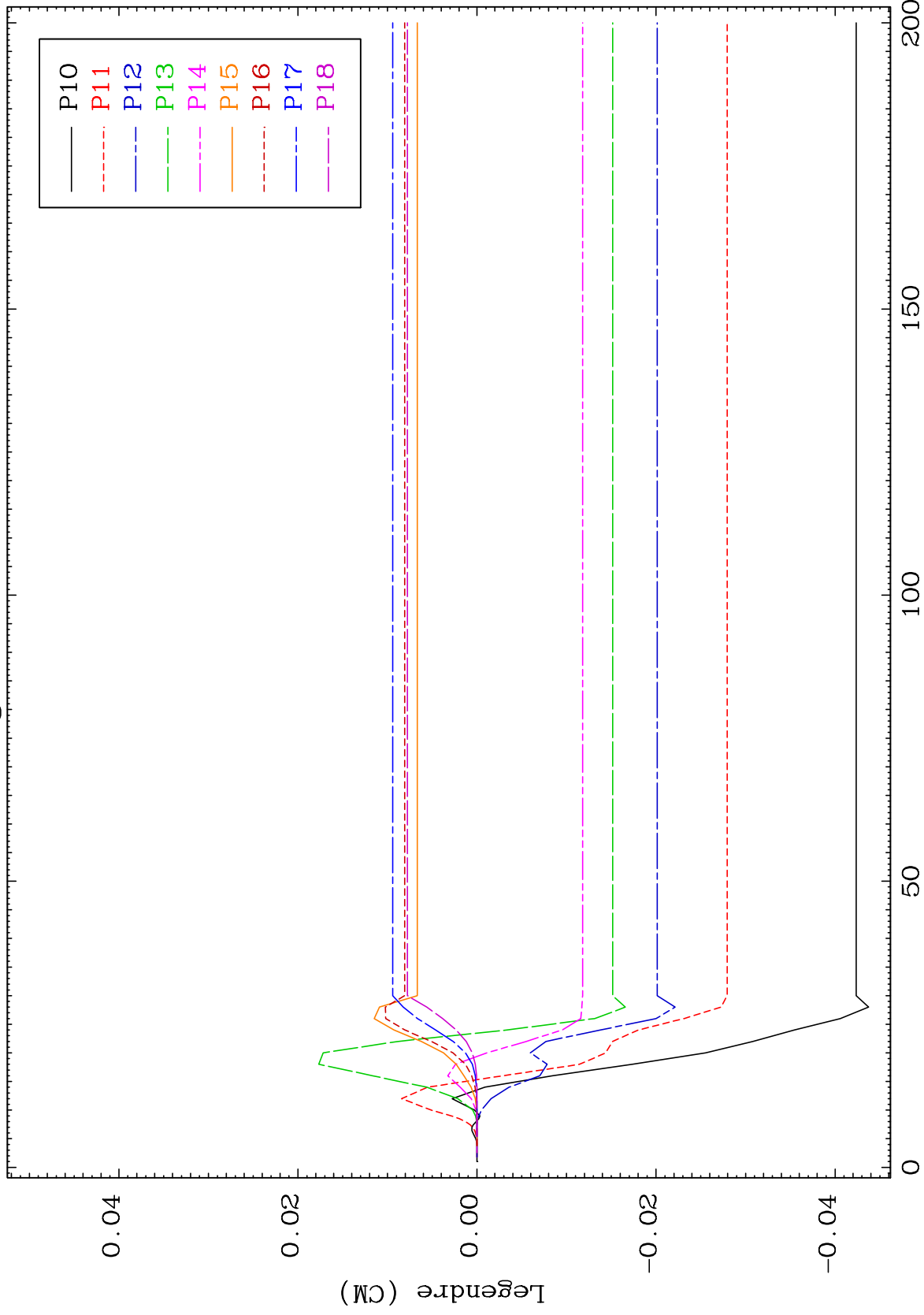
Legendre Coefficients



MAT 4155

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

41-Nb-103



33

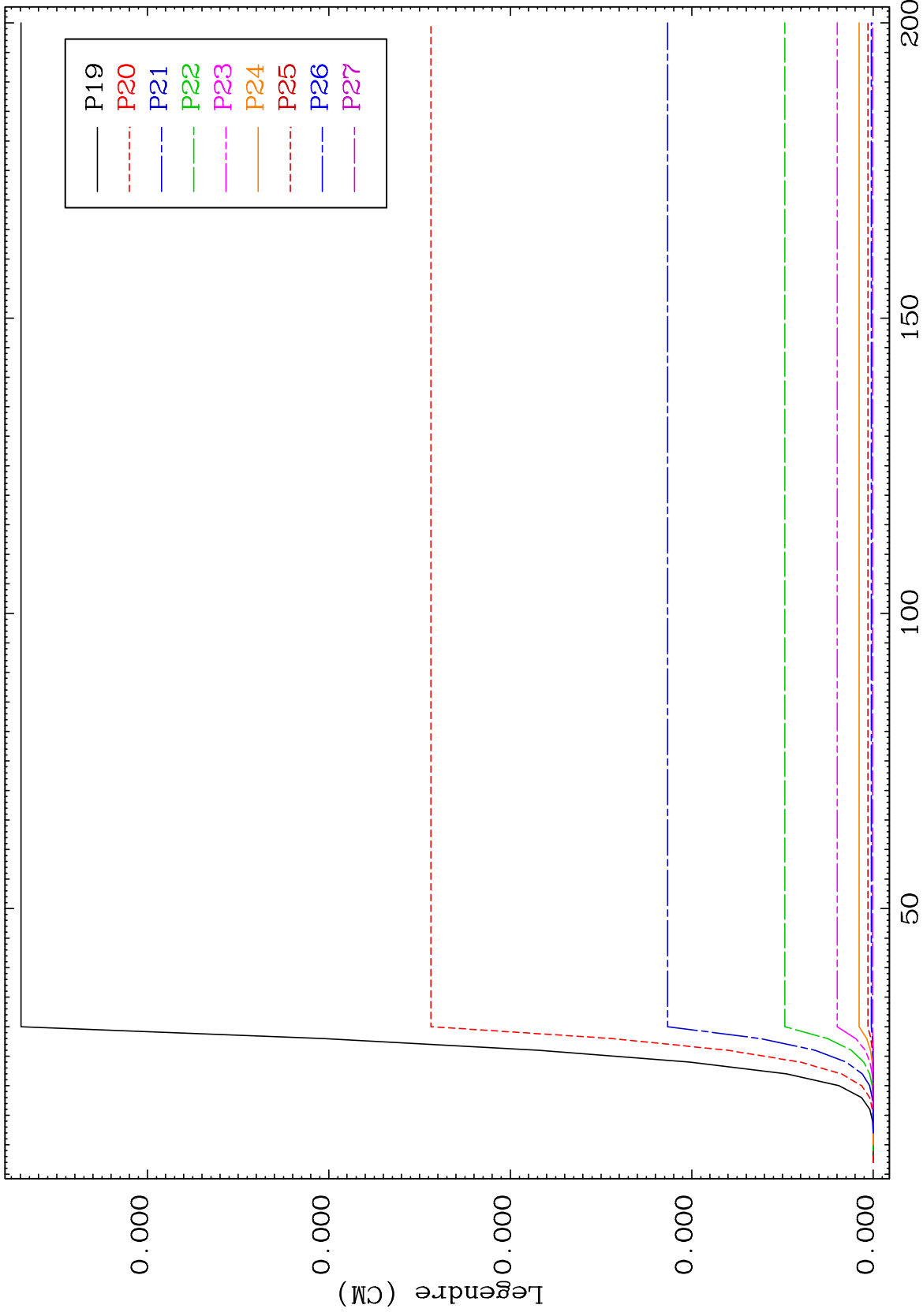
Incident Energy (MeV)

41-Nb-103

MAT 4155

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

41-Nb-103



34

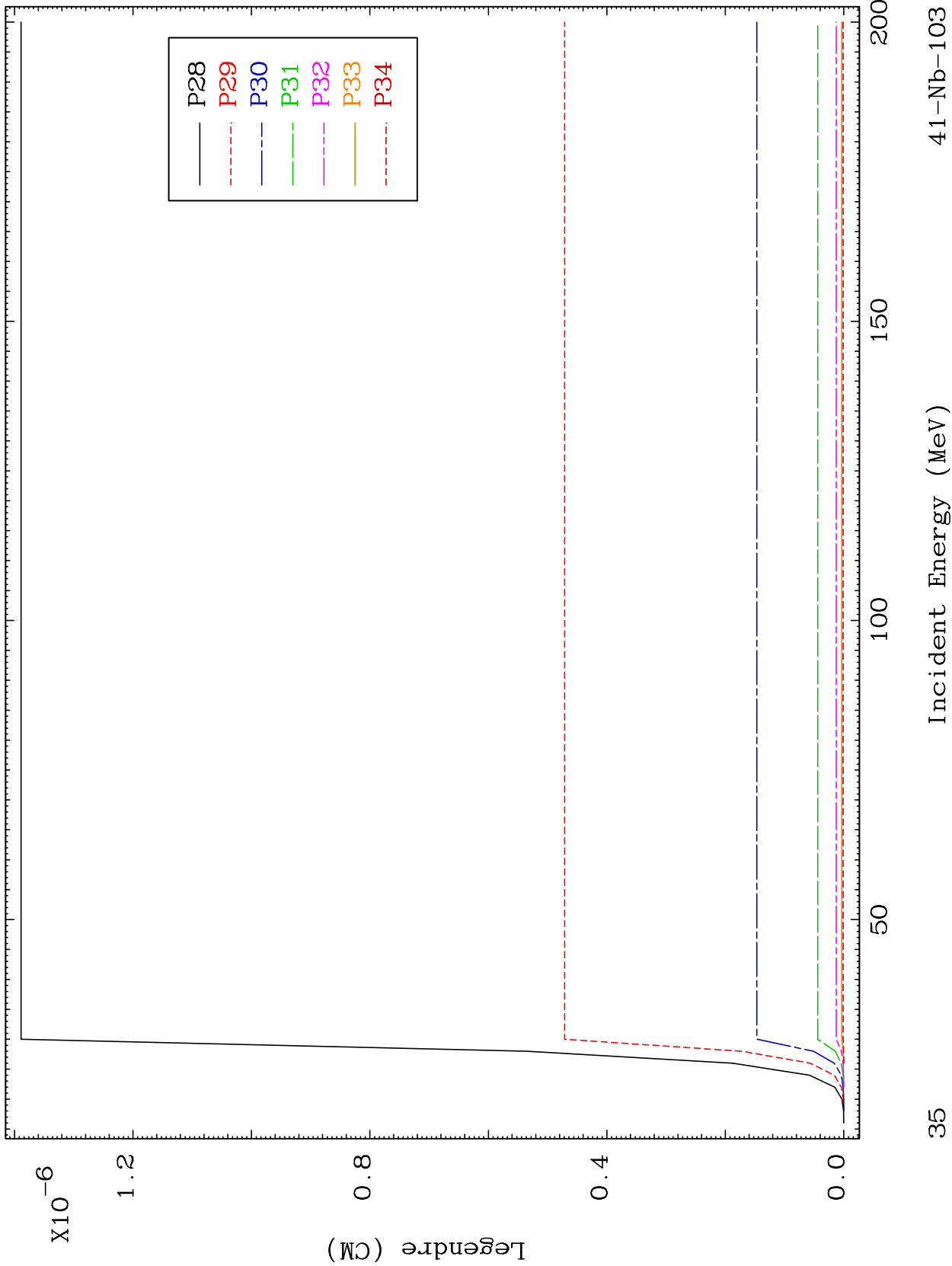
Incident Energy (MeV)

41-Nb-103

MAT 4155

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

41-Nb-103



35

Incident Energy (MeV)

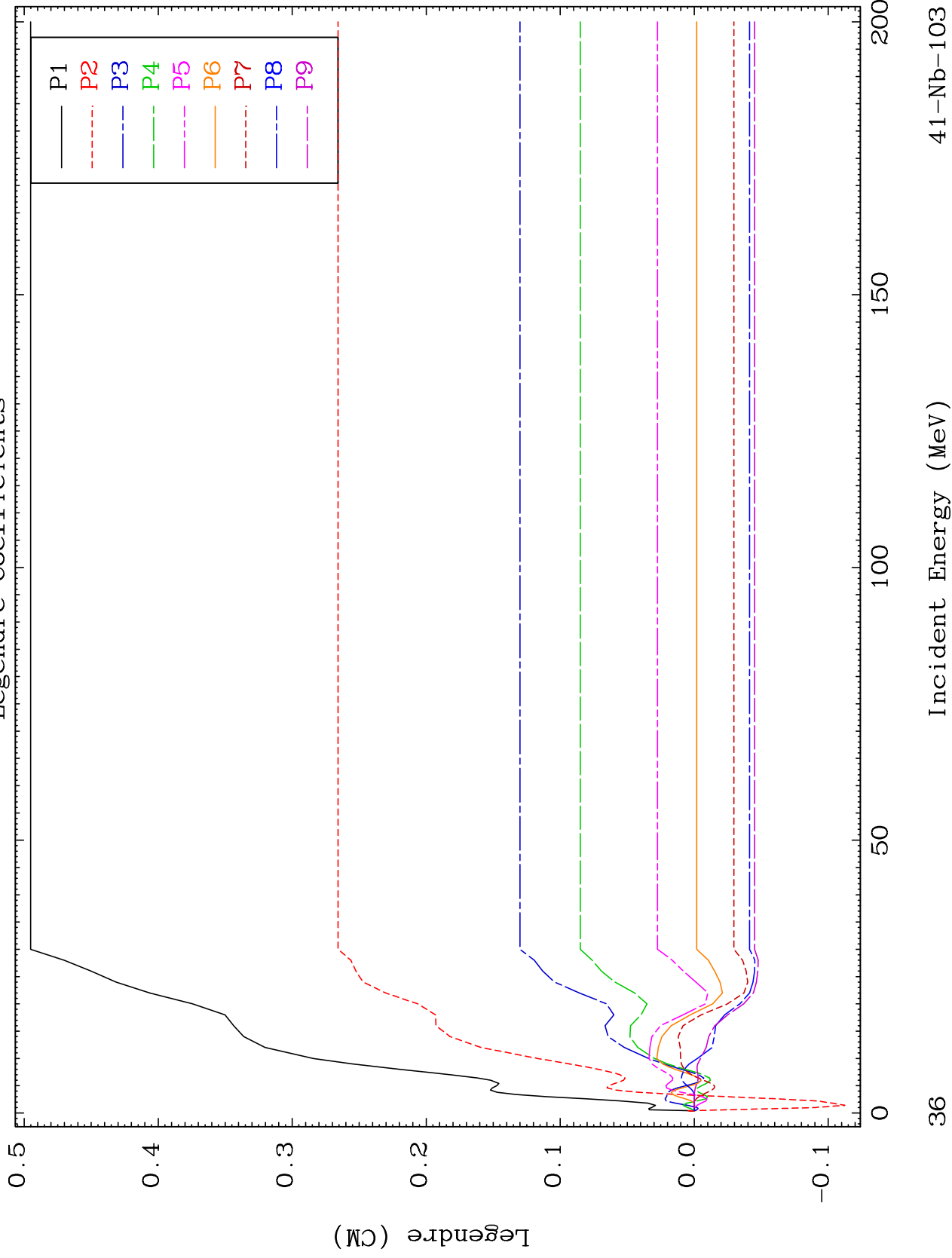
41-Nb-103

MAT 4155

MT= 55 (n,n') Level

41-Nb-103

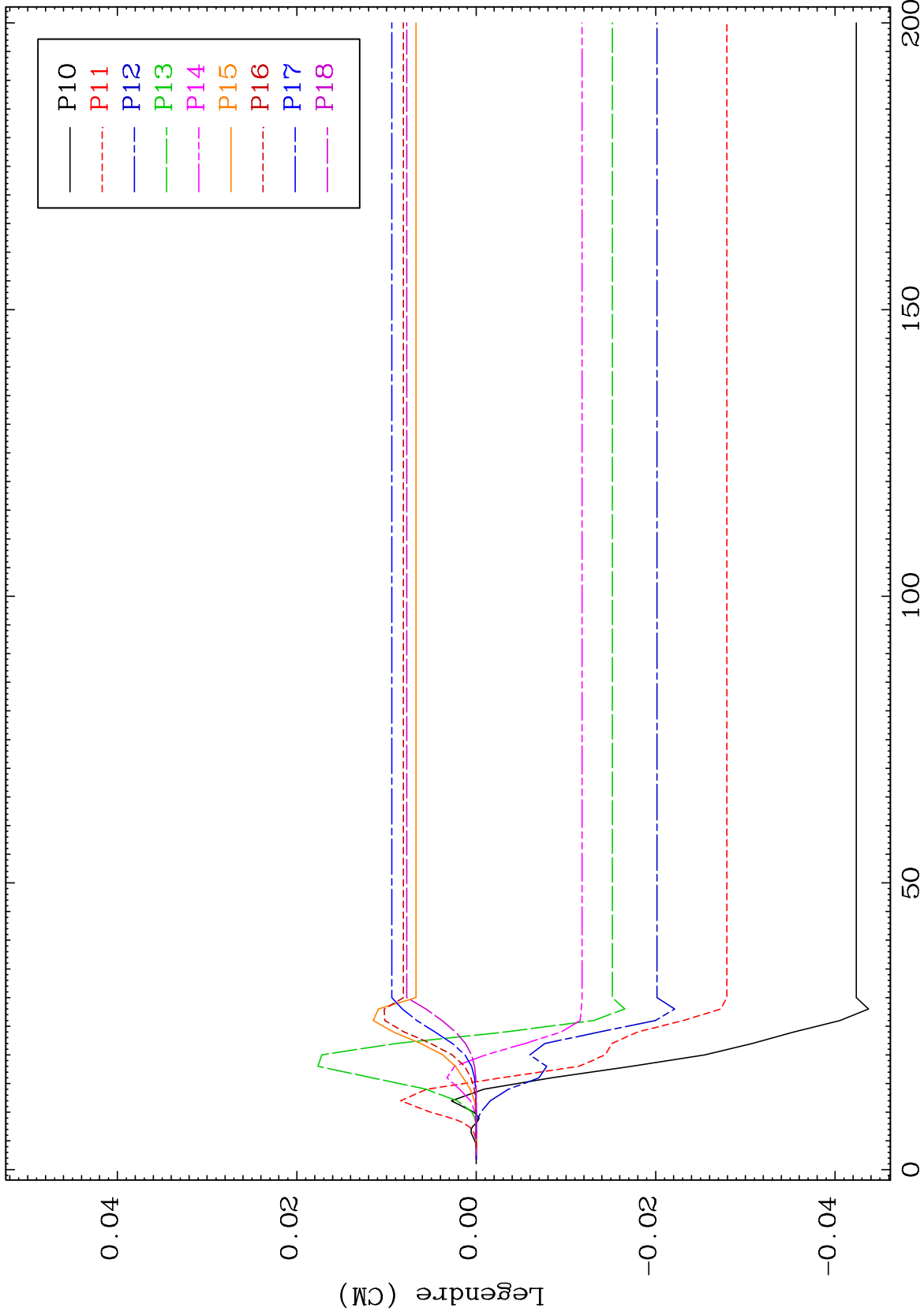
Legendre Coefficients



MAT 4155

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

41-Nb-103



37

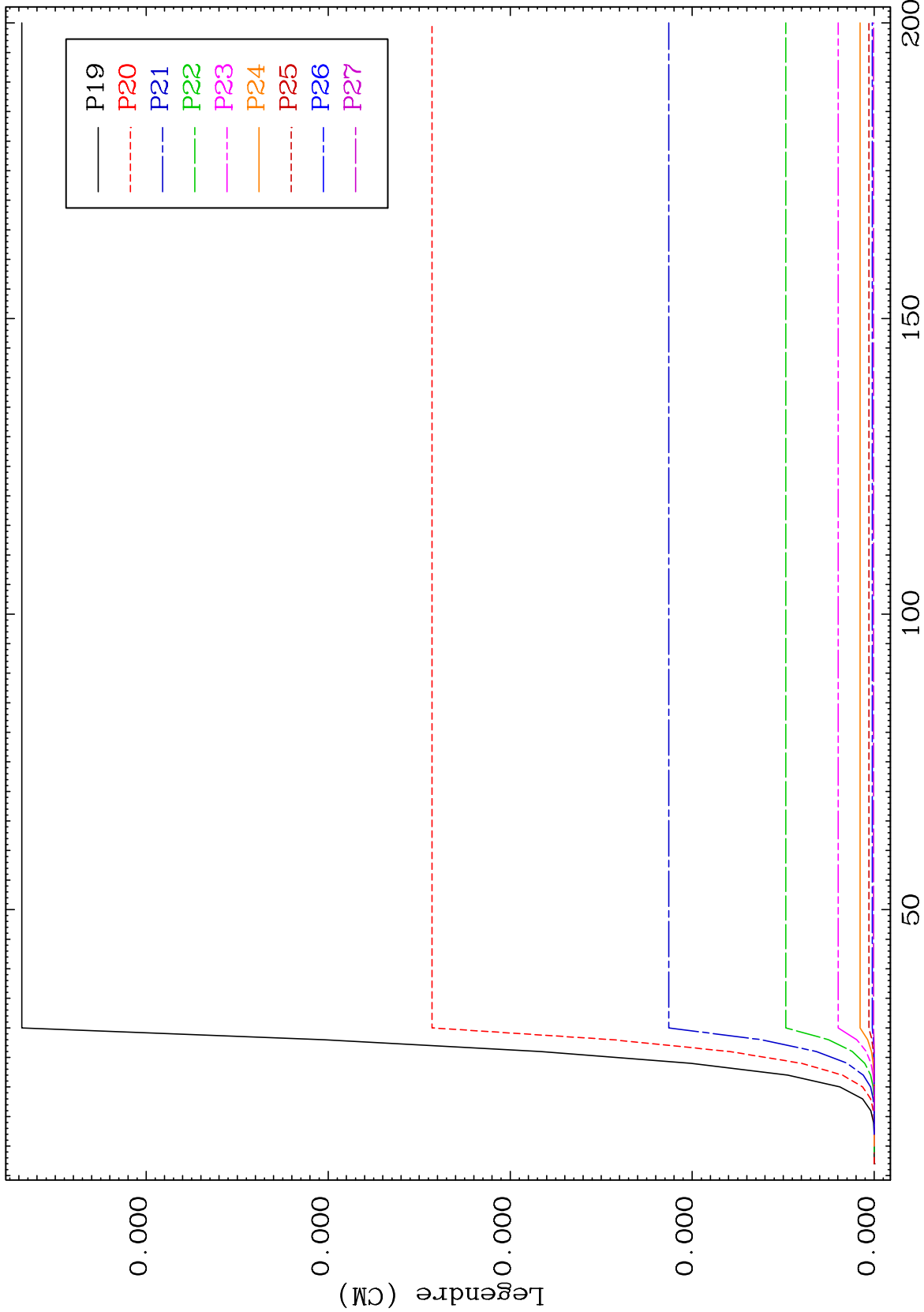
Incident Energy (MeV)

41-Nb-103

MAT 4155

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

41-Nb-103



38

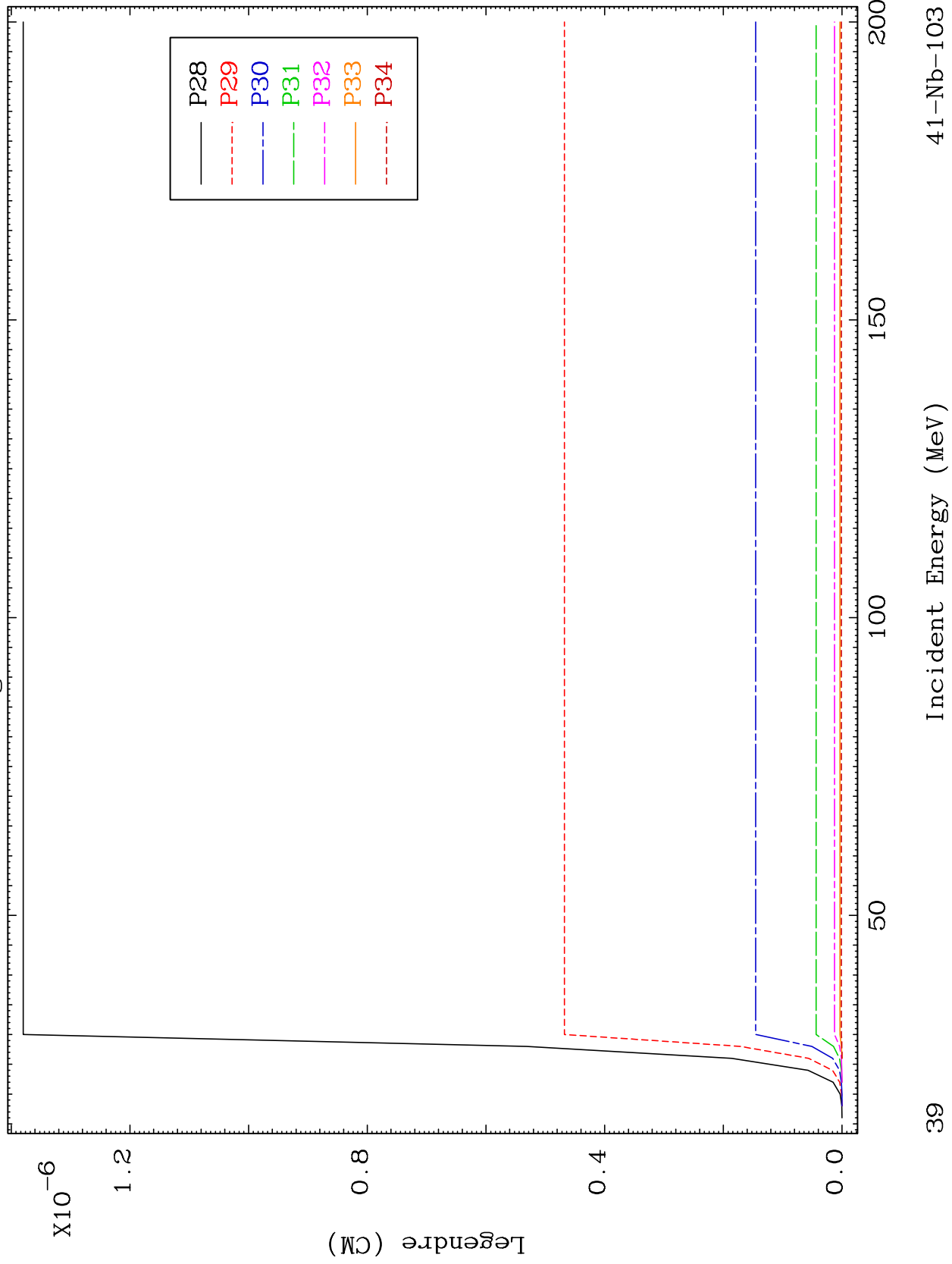
Incident Energy (MeV)

41-Nb-103

MAT 4155

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

41-Nb-103

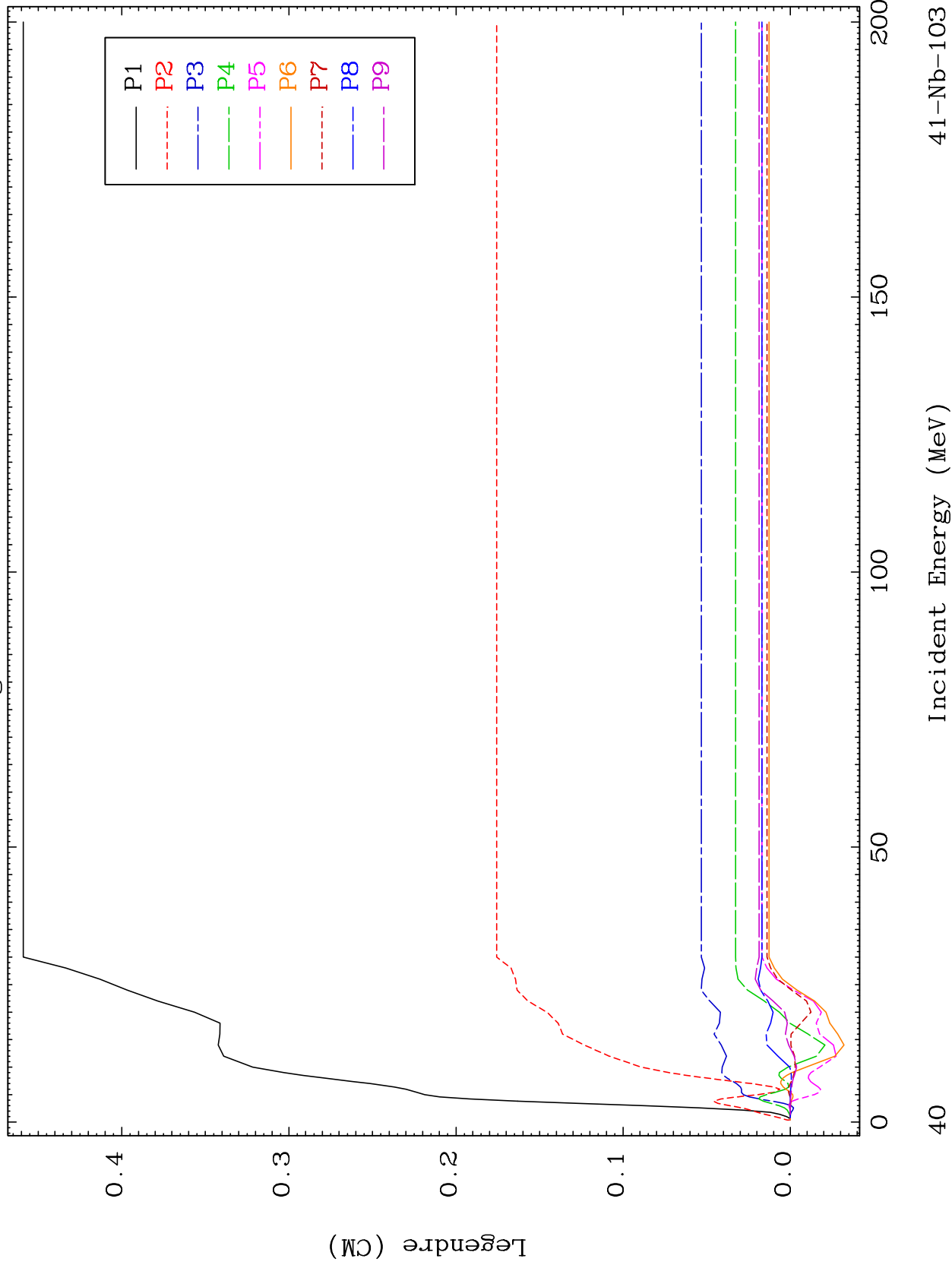




MAT 4155

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

41-Nb-103



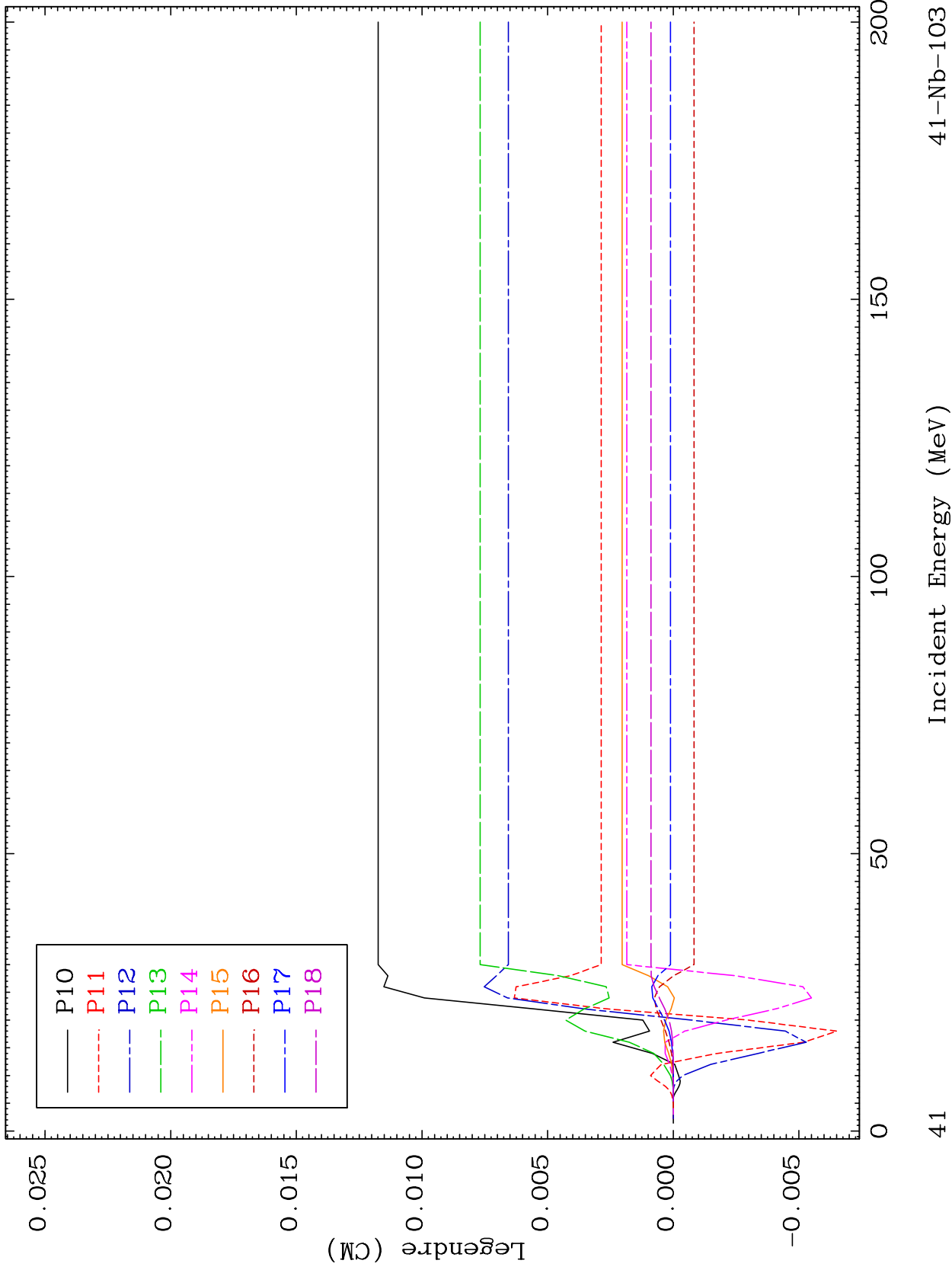
41-Nb-103

Incident Energy (MeV)

MAT 4155

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

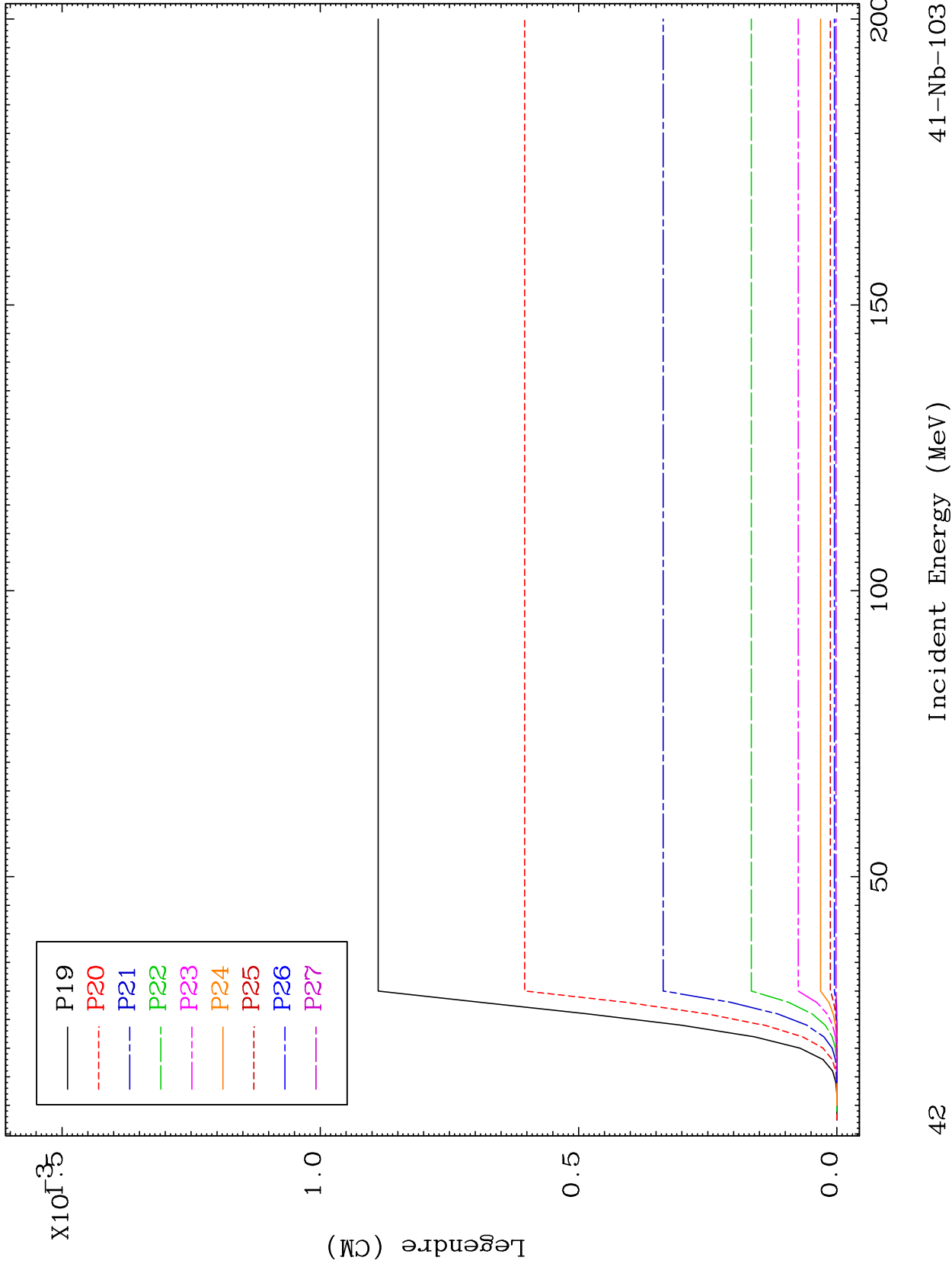
41-Nb-103



41

Incident Energy (MeV)

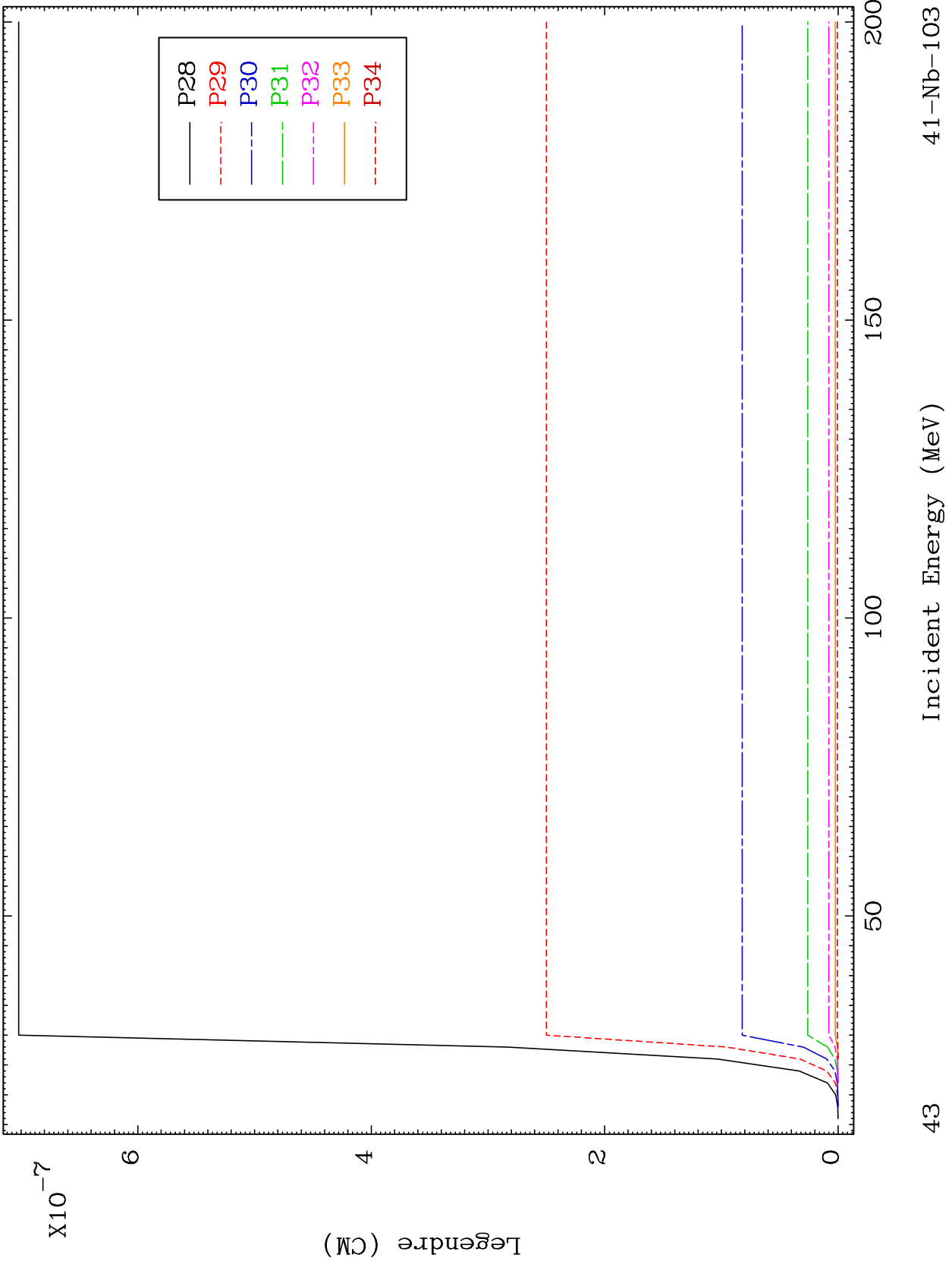
41-Nb-103



MAT 4155

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

41-Nb-103



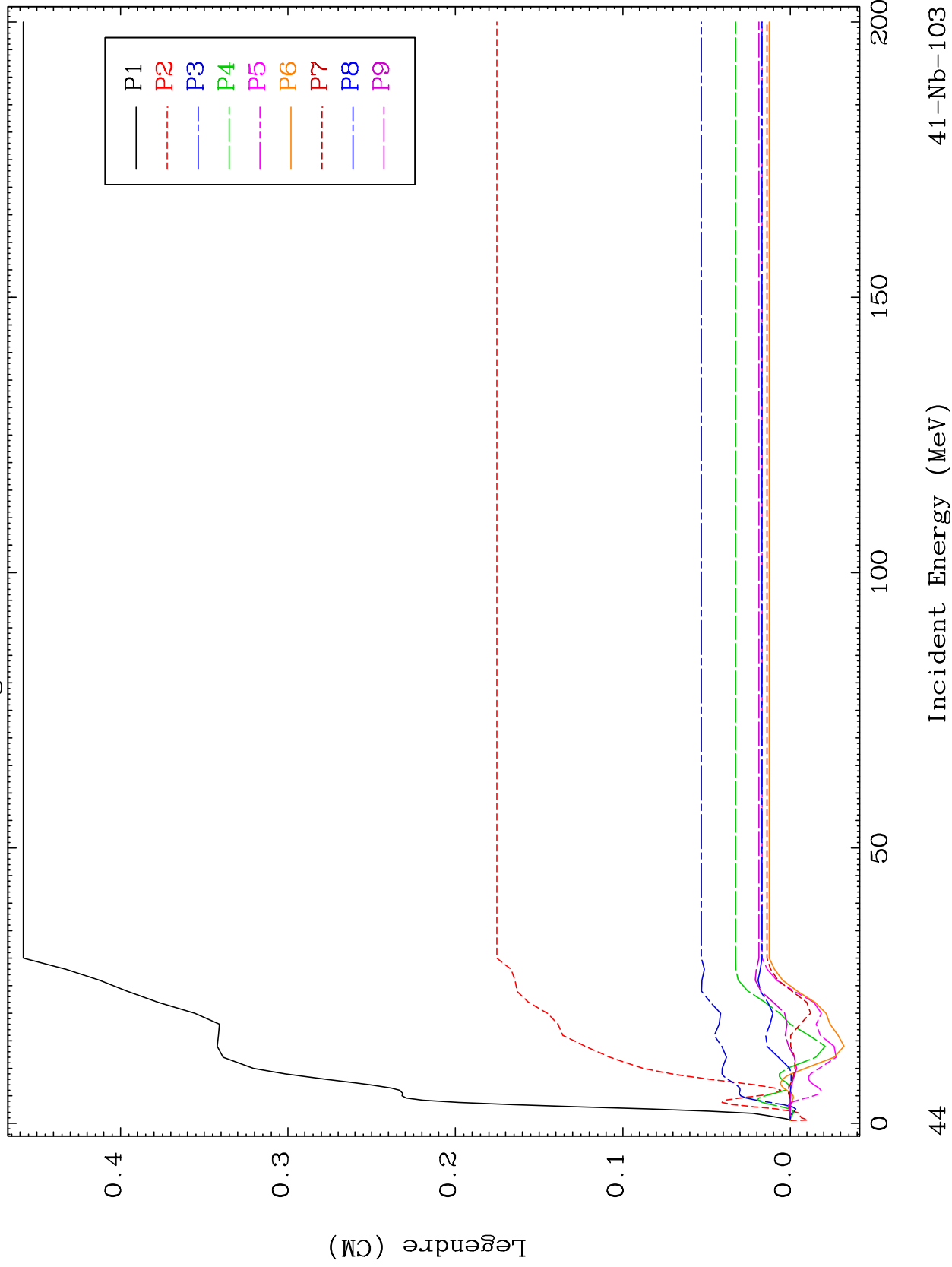
43

41-Nb-103

MAT 4155

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

41-Nb-103



41-Nb-103

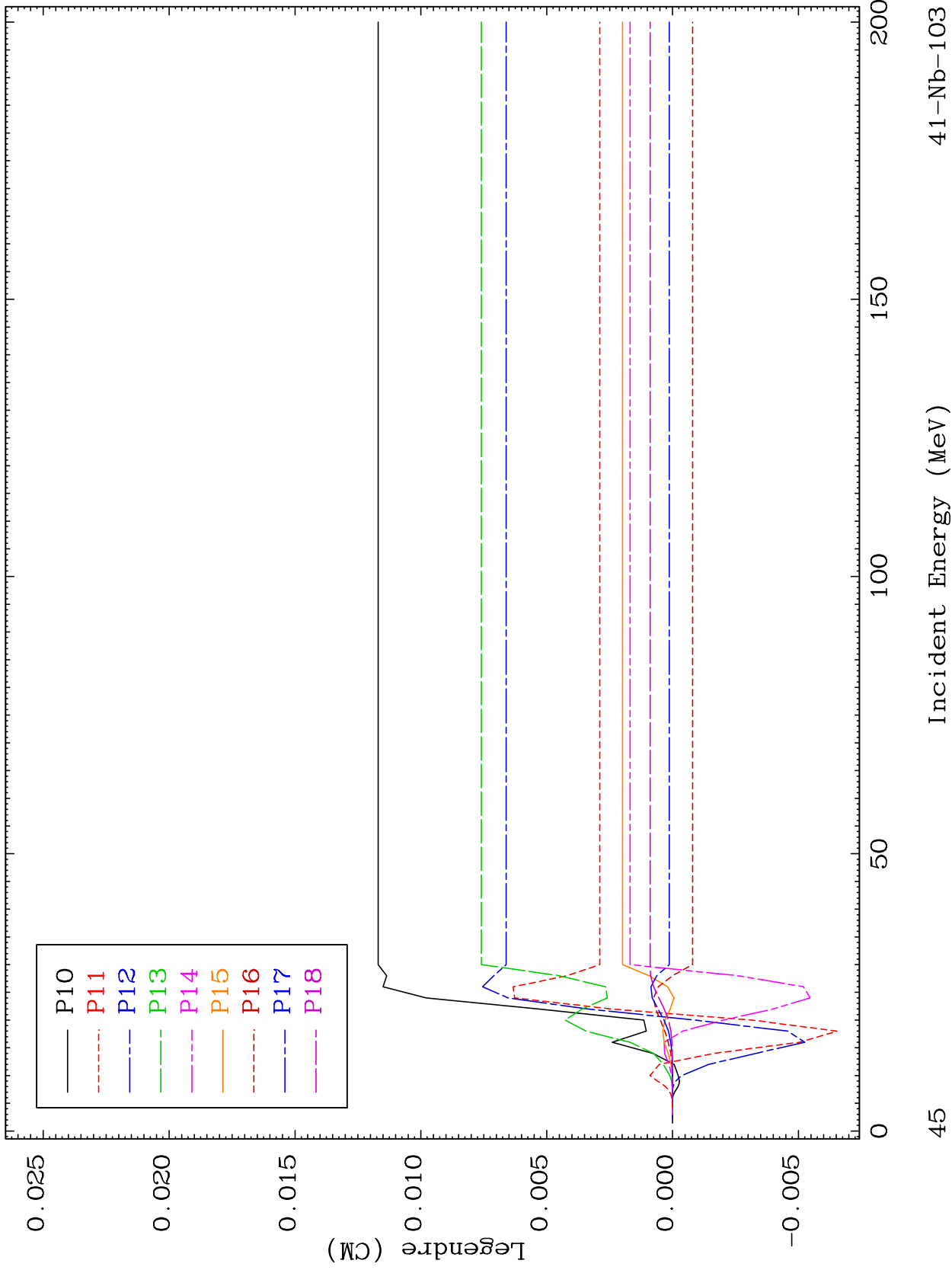
Incident Energy (MeV)

44

MAT 4155

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

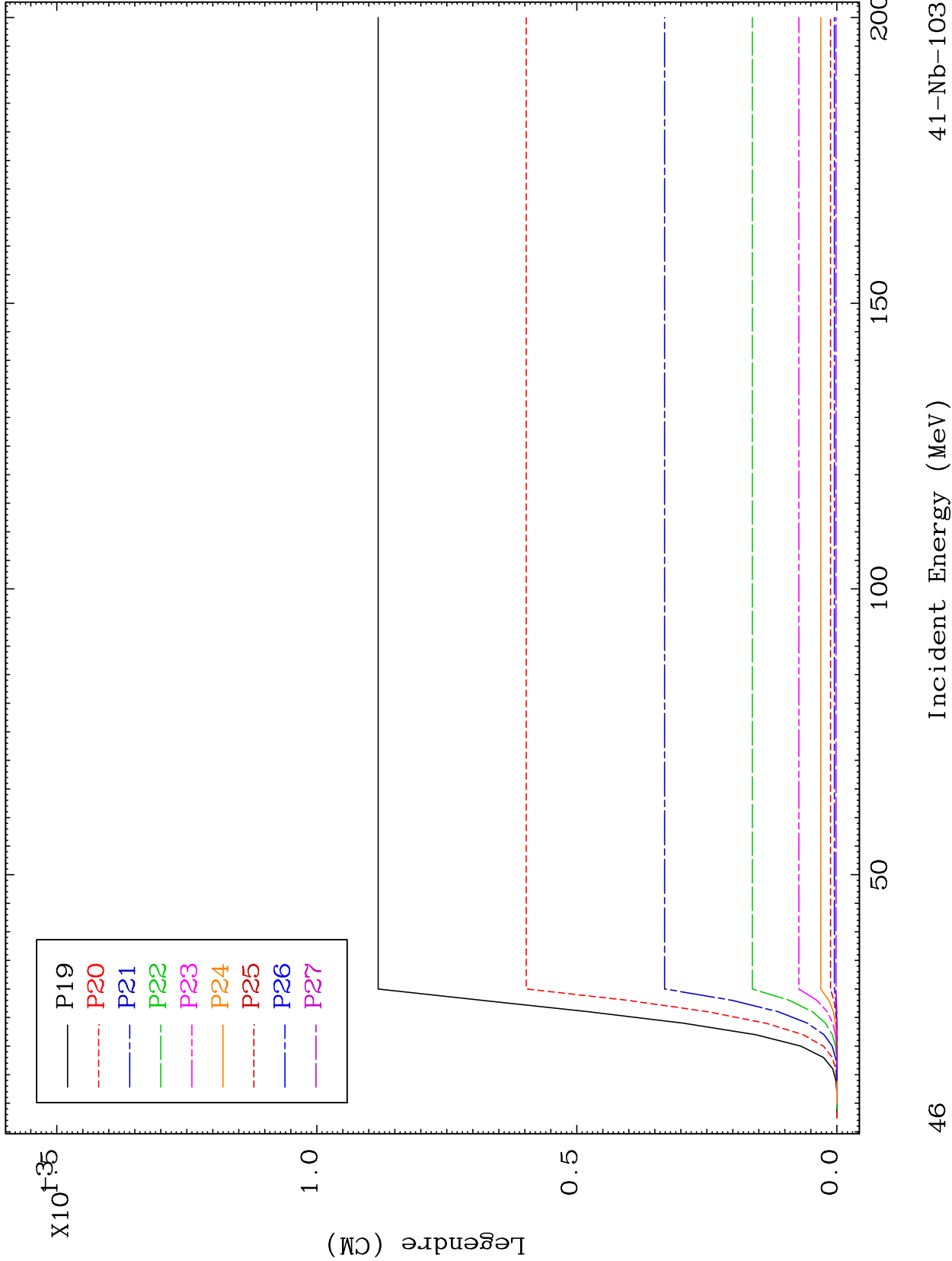
41-Nb-103



41-Nb-103

Incident Energy (MeV)

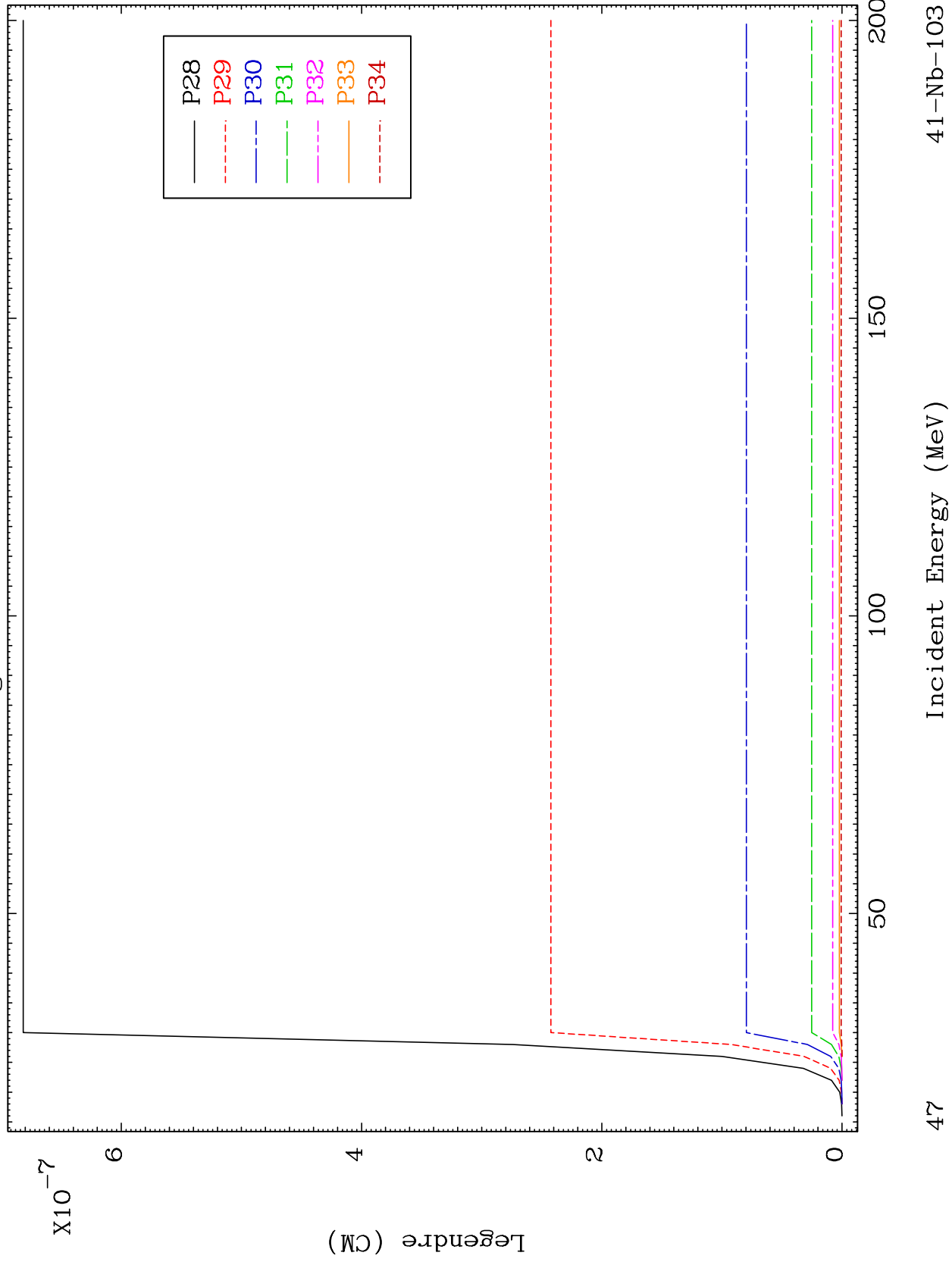
45



MAT 4155

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

41-Nb-103



47

Incident Energy (MeV)

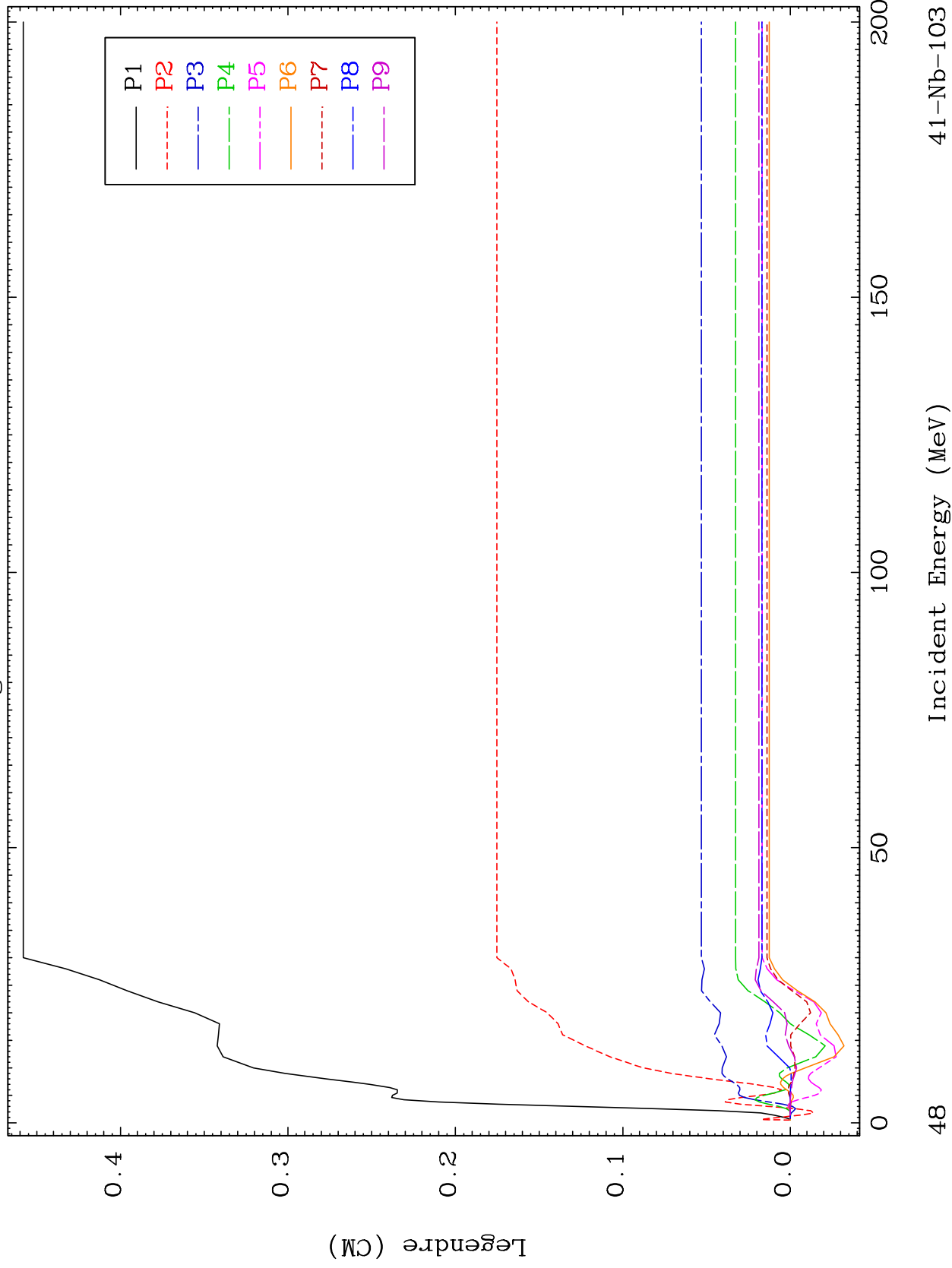
41-Nb-103



MAT 4155

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

41-Nb-103



41-Nb-103

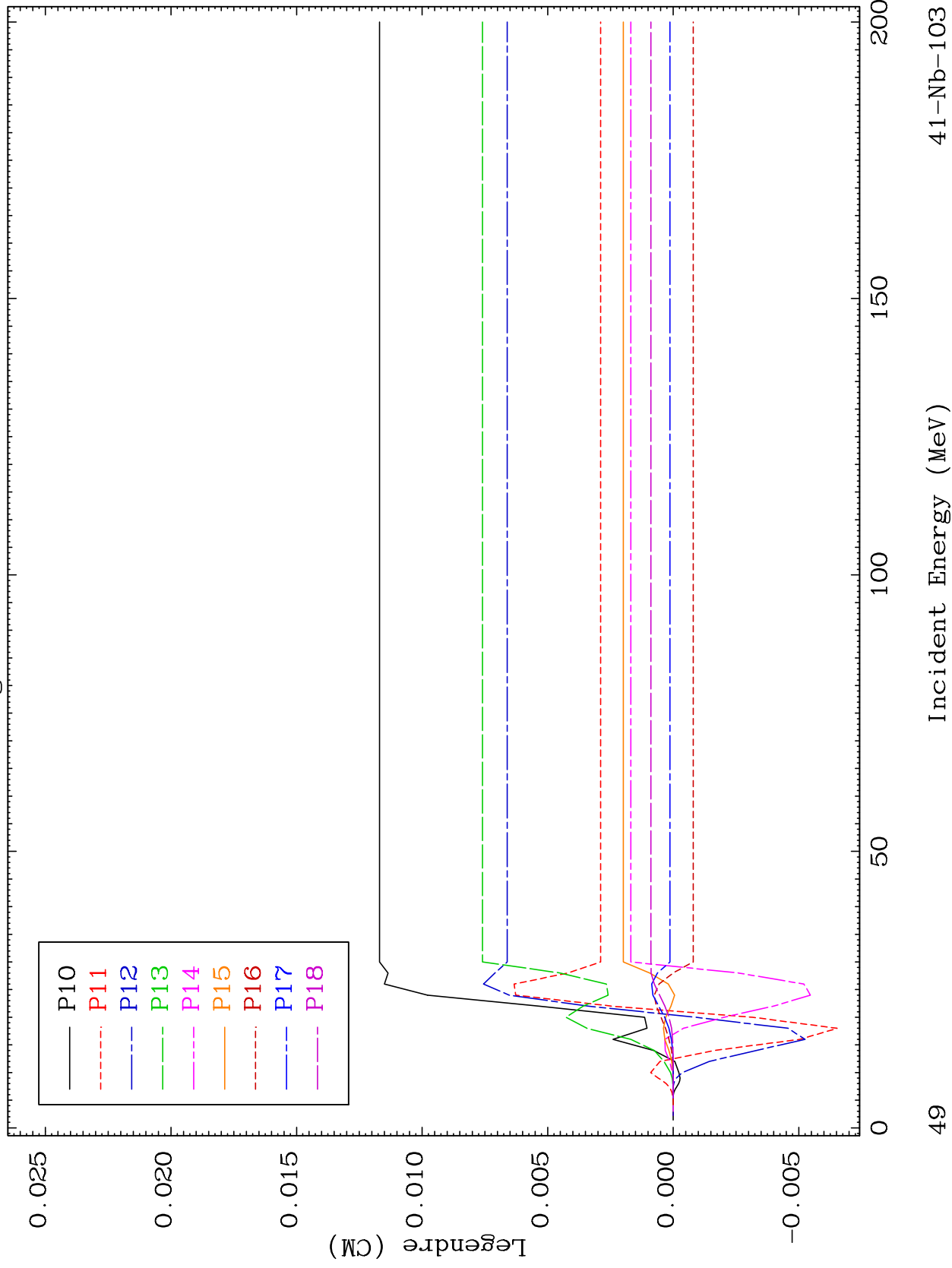
Incident Energy (MeV)

48

MAT 4155

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

41-Nb-103



49

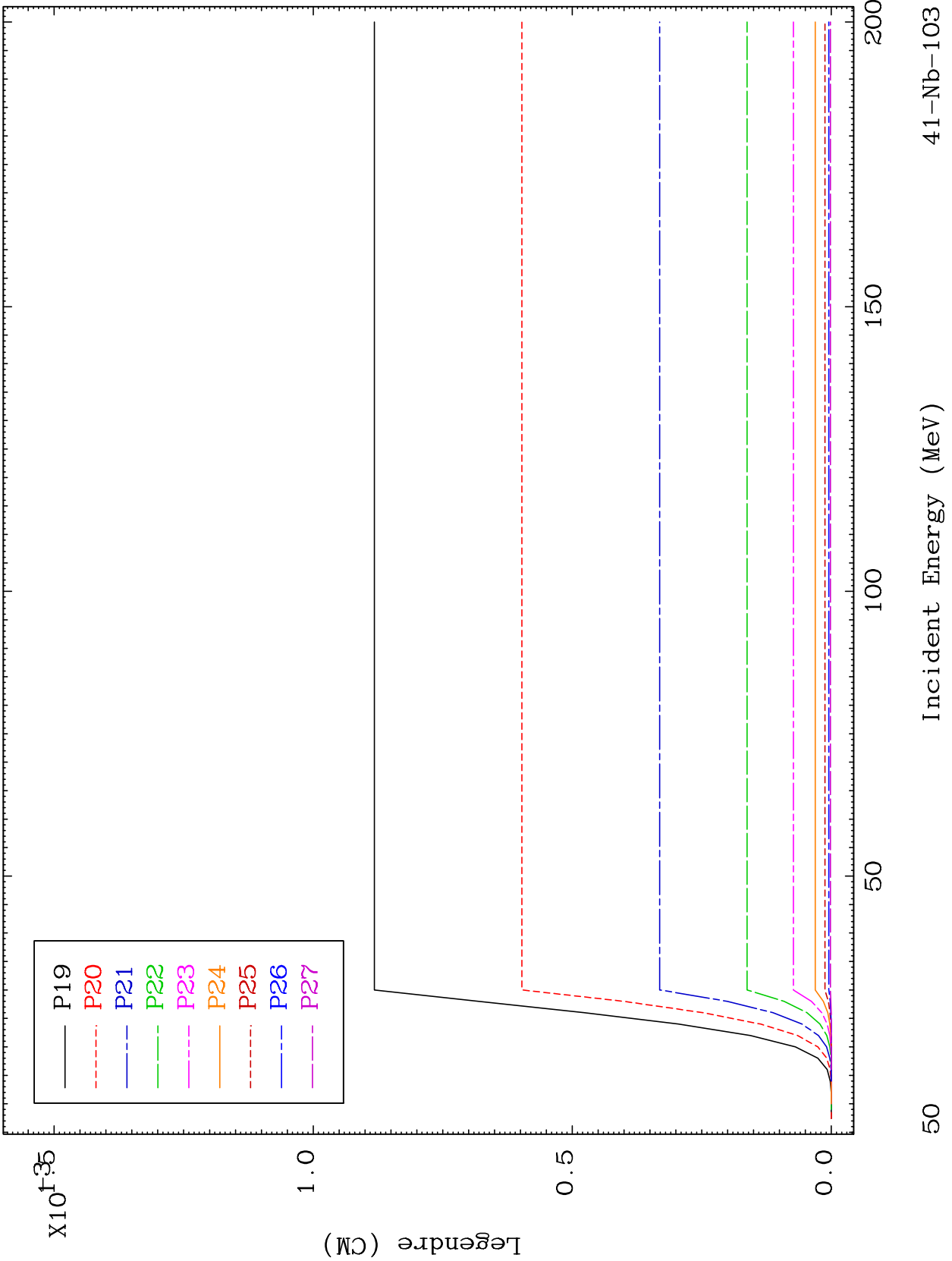
Incident Energy (MeV)

41-Nb-103

MAT 4155

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

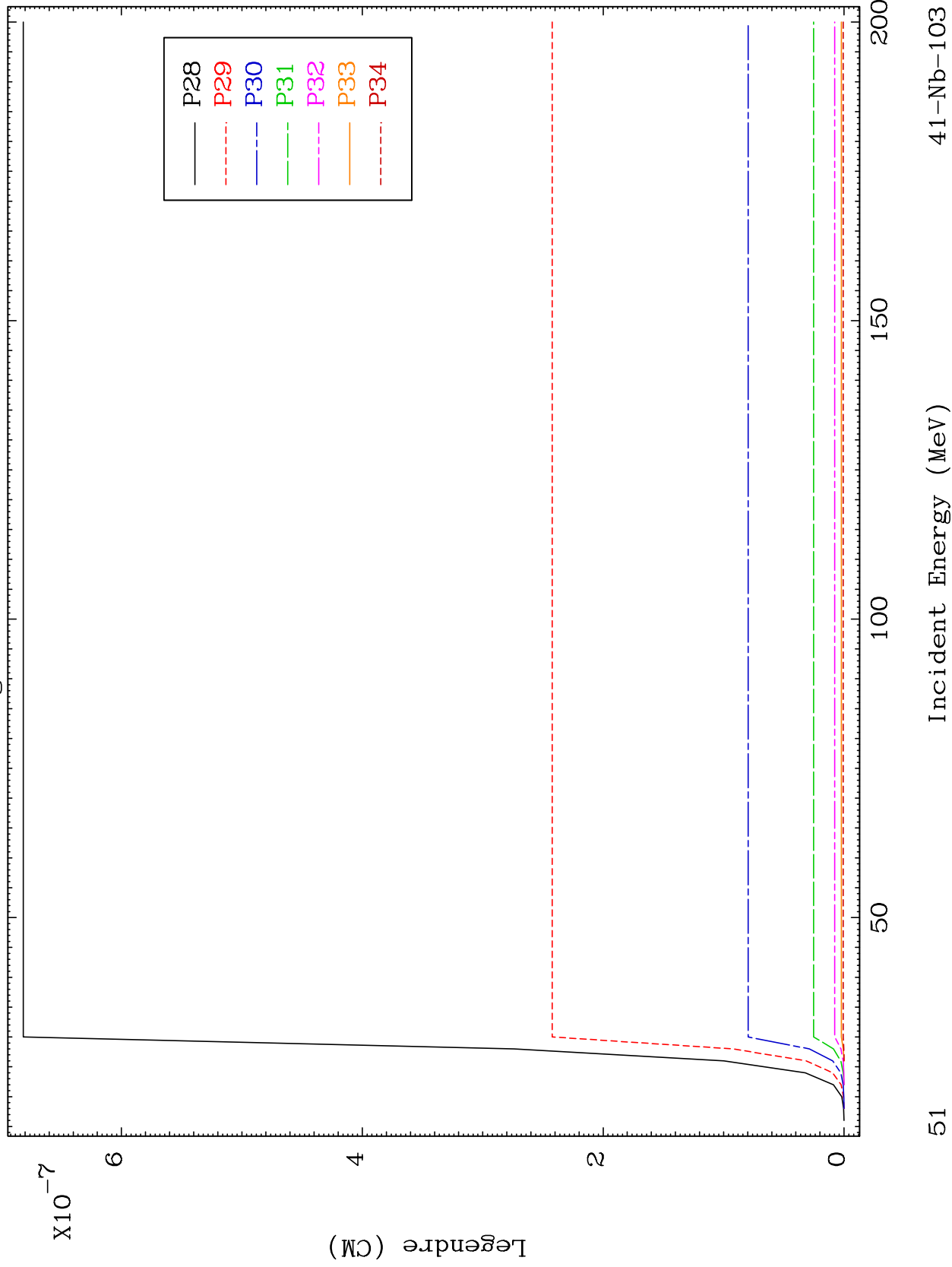
41-Nb-103



MAT 4155

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

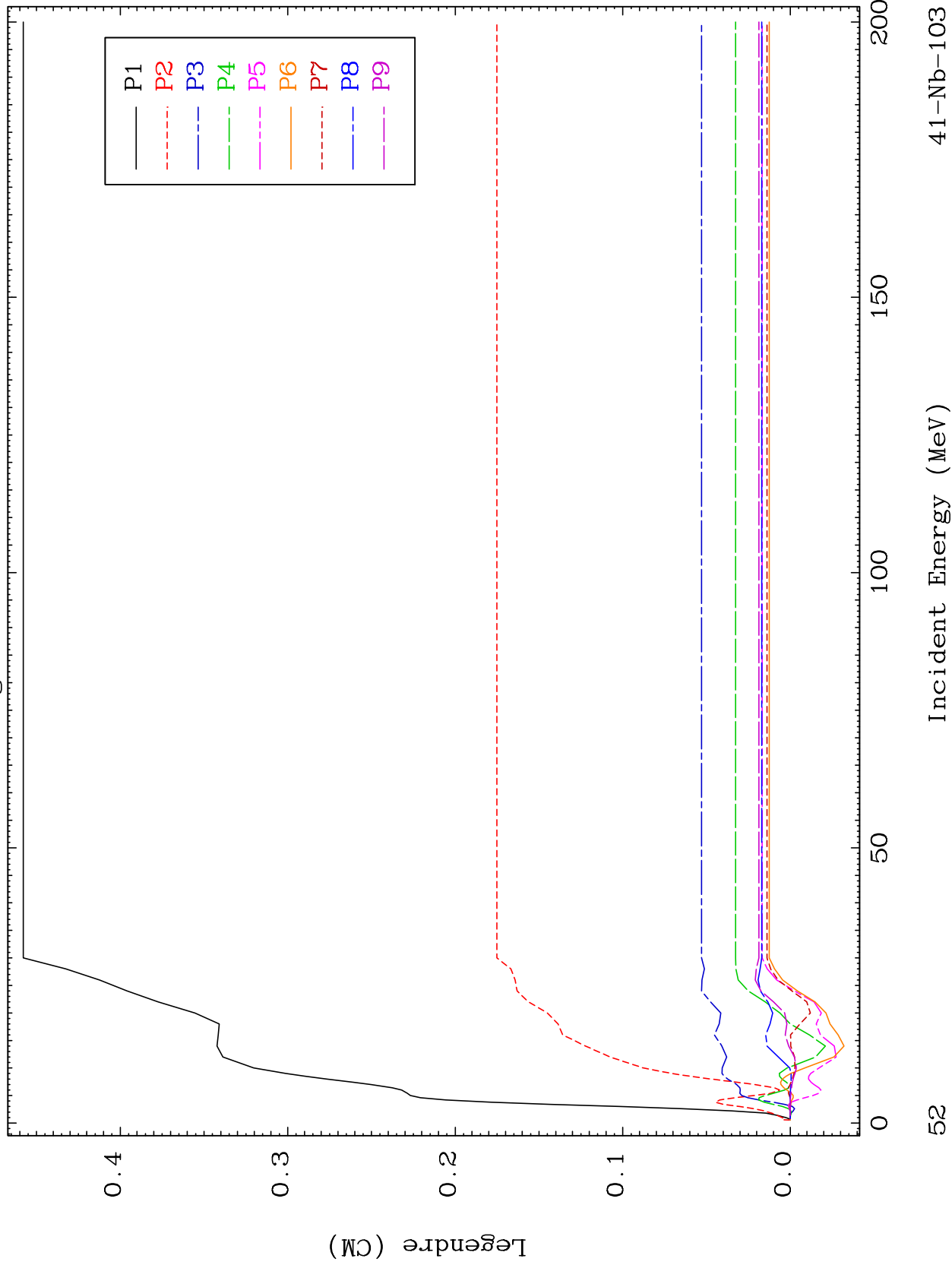
41-Nb-103



MAT 4155

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

41-Nb-103



41-Nb-103

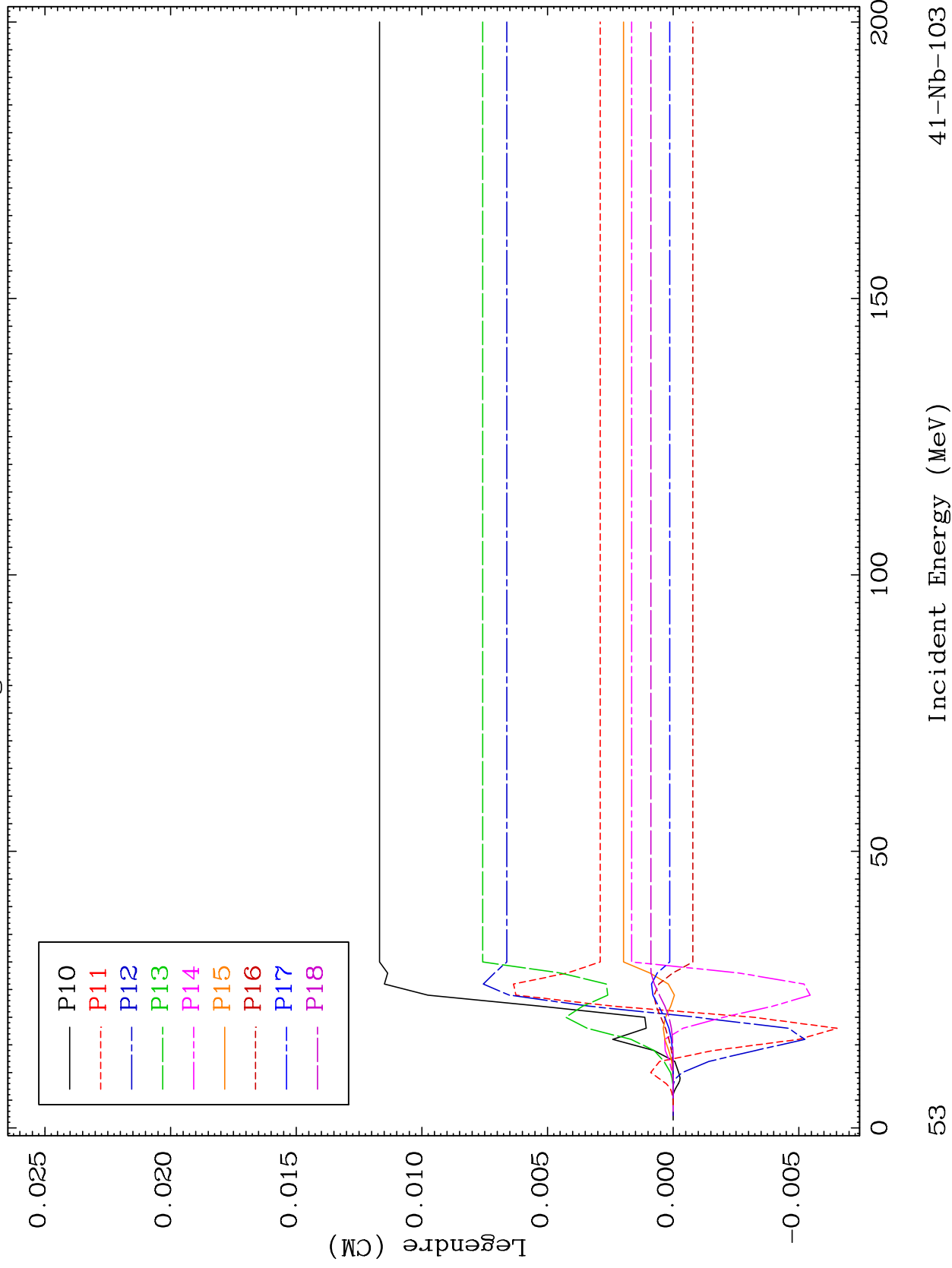
Incident Energy (MeV)

52

MAT 4155

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

41-Nb-103



41-Nb-103

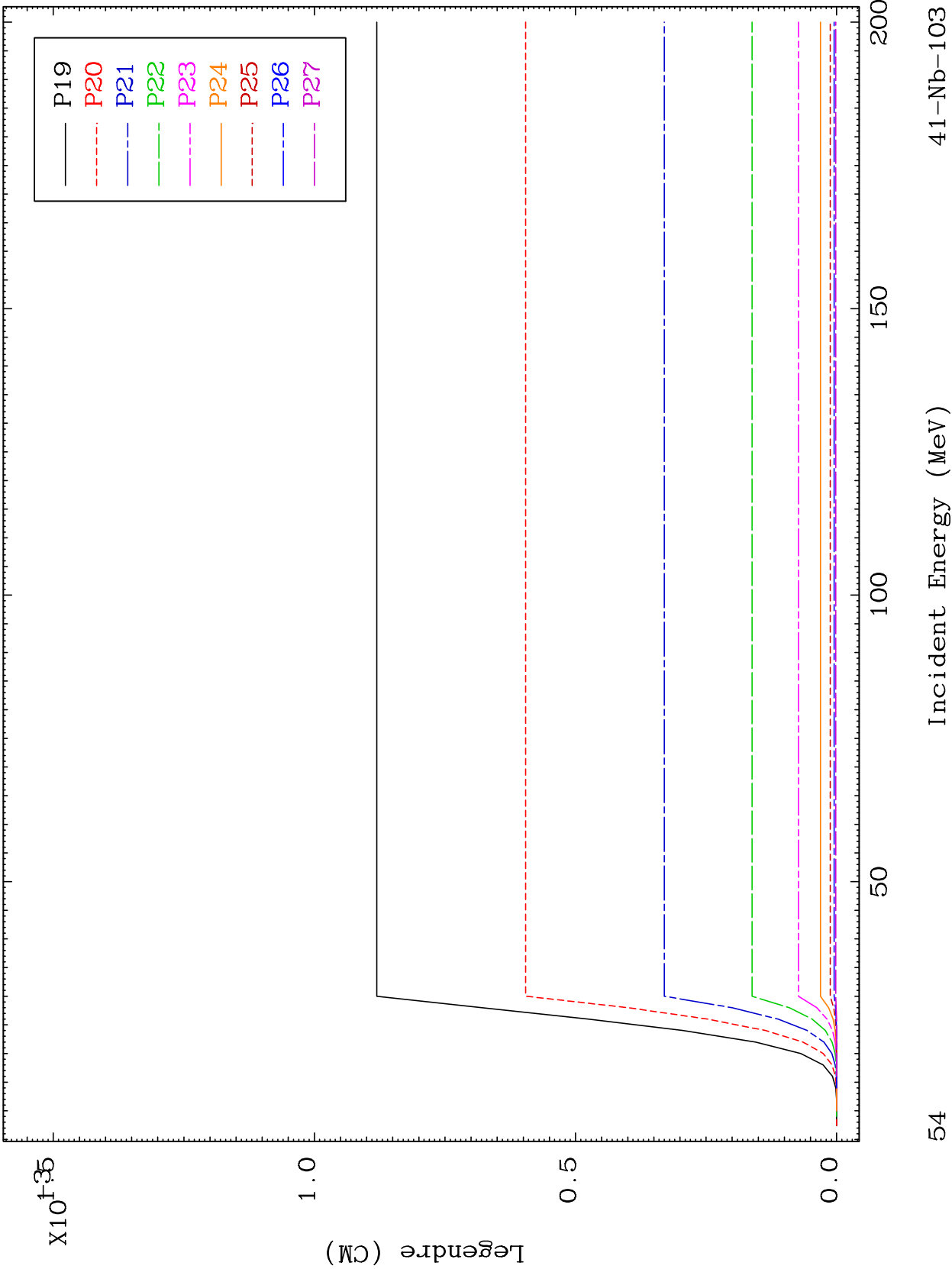
Incident Energy (MeV)

53

MAT 4155

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

41-Nb-103



54

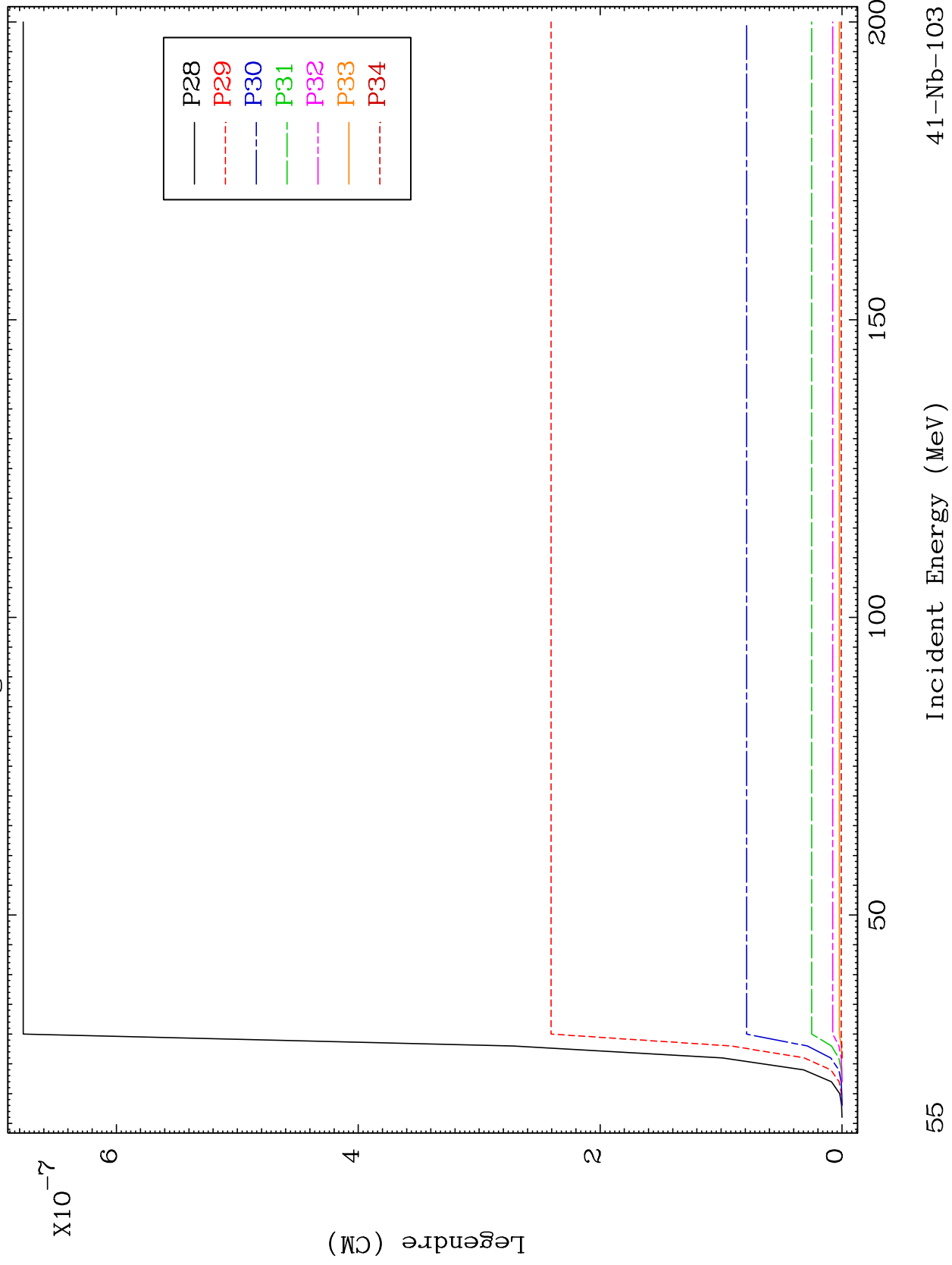
Incident Energy (MeV)

41-Nb-103

MAT 4155

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

41-Nb-103

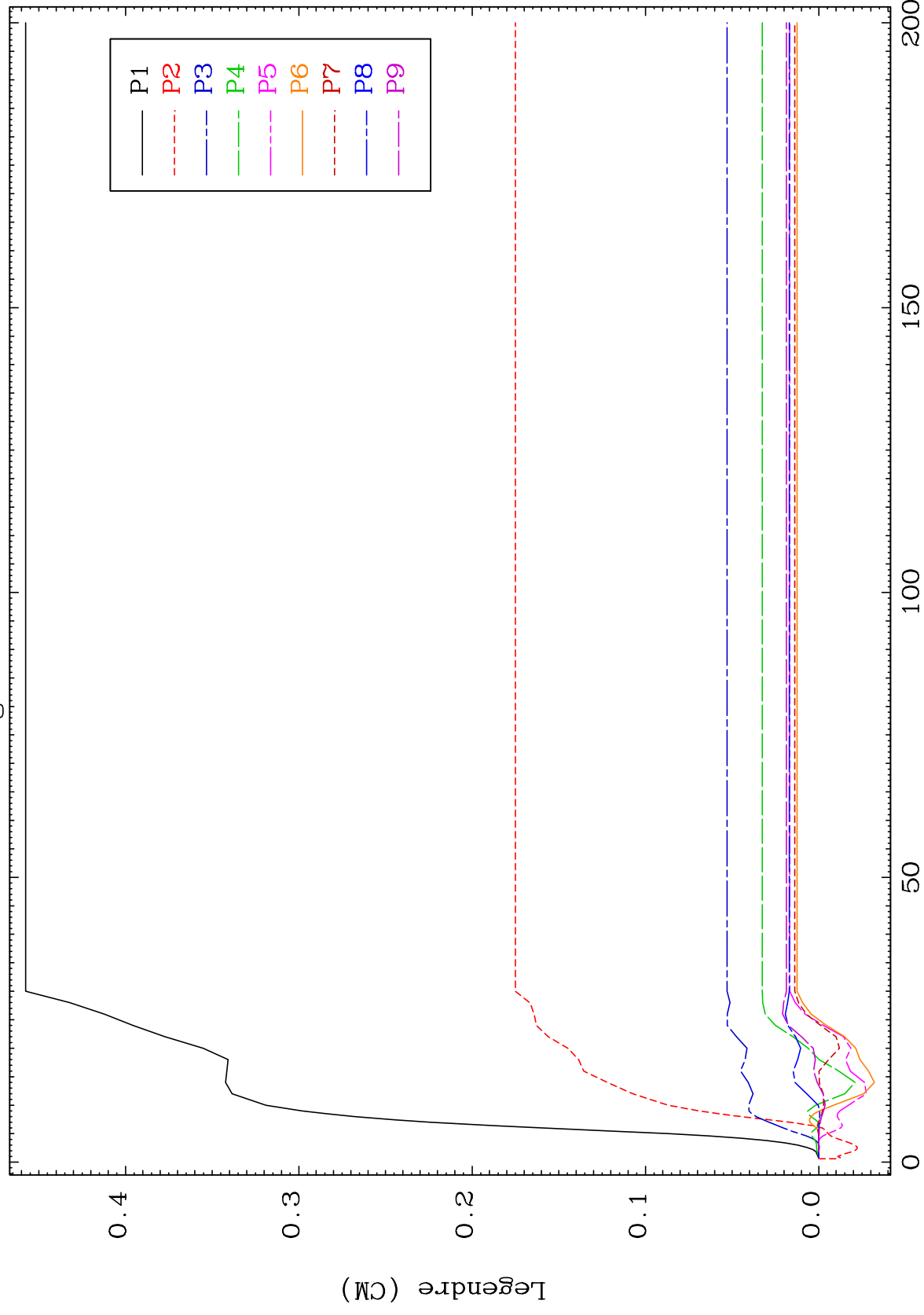




MAT 4155

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

41-Nb-103



41-Nb-103

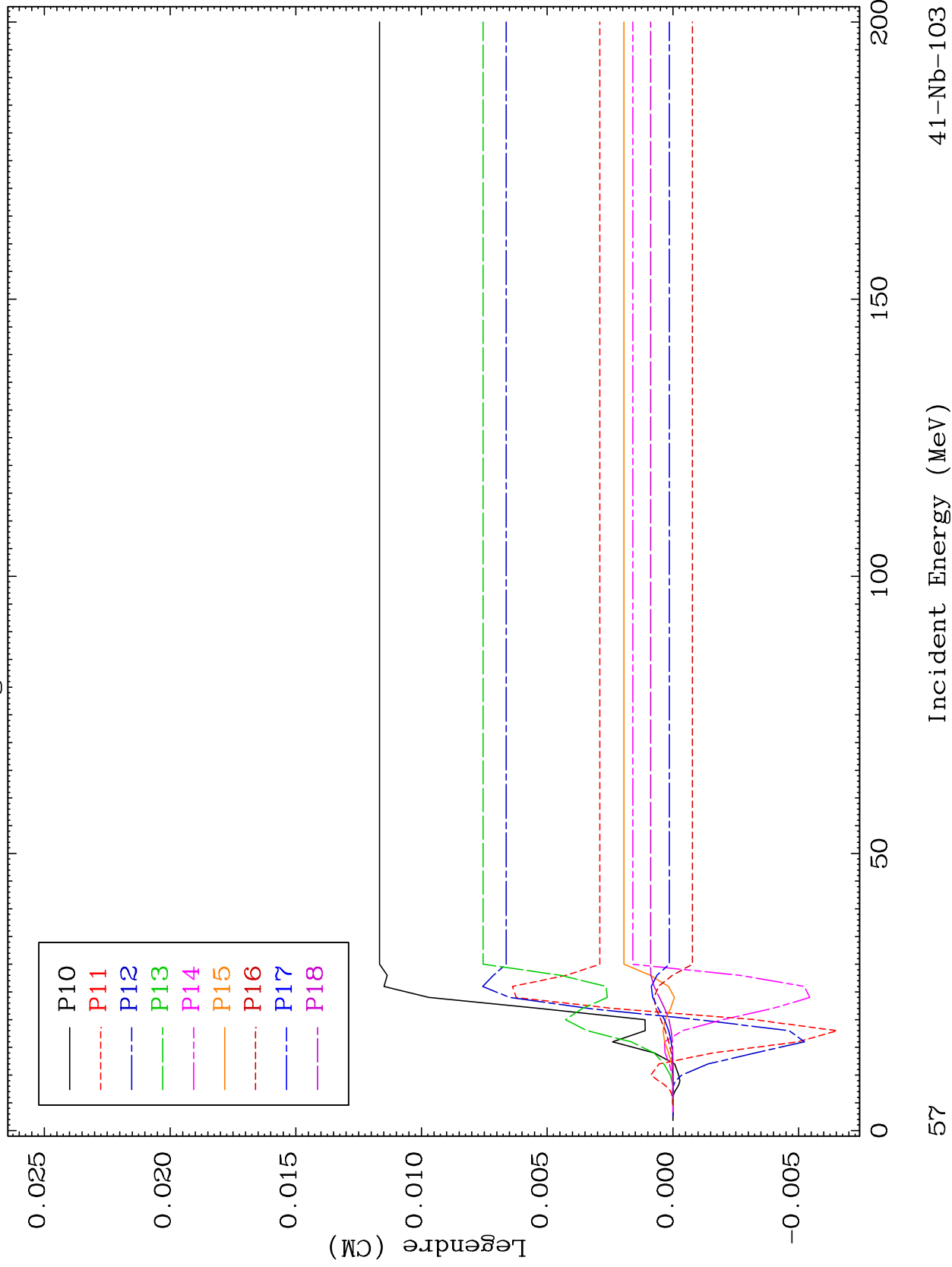
Incident Energy (MeV)

56

MAT 4155

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

41-Nb-103



57

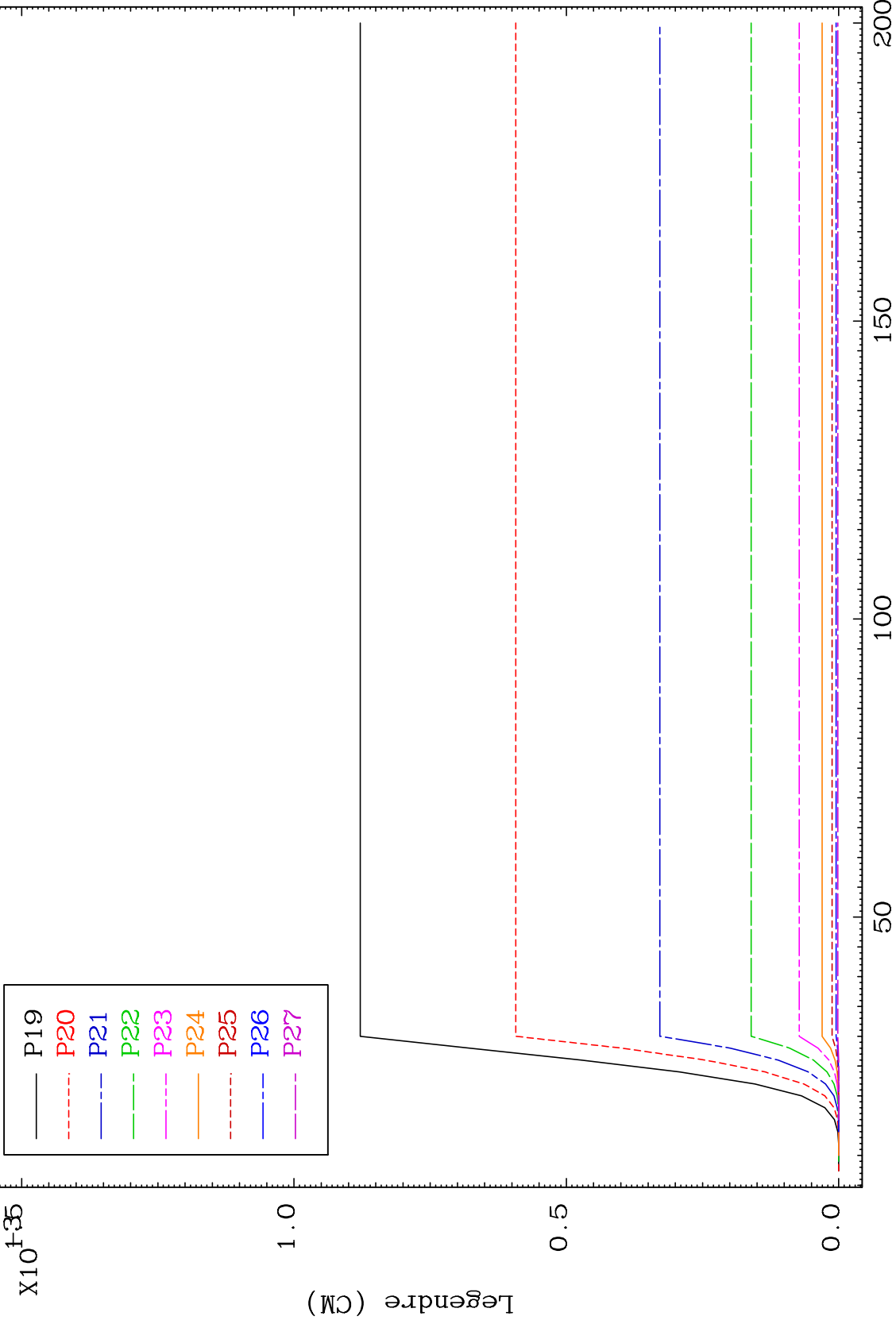
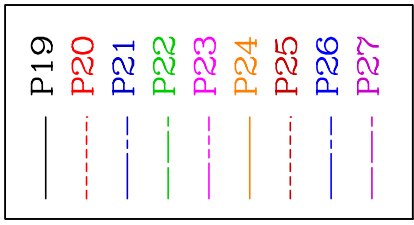
Incident Energy (MeV)

41-Nb-103

MAT 4155

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

41-Nb-103



58

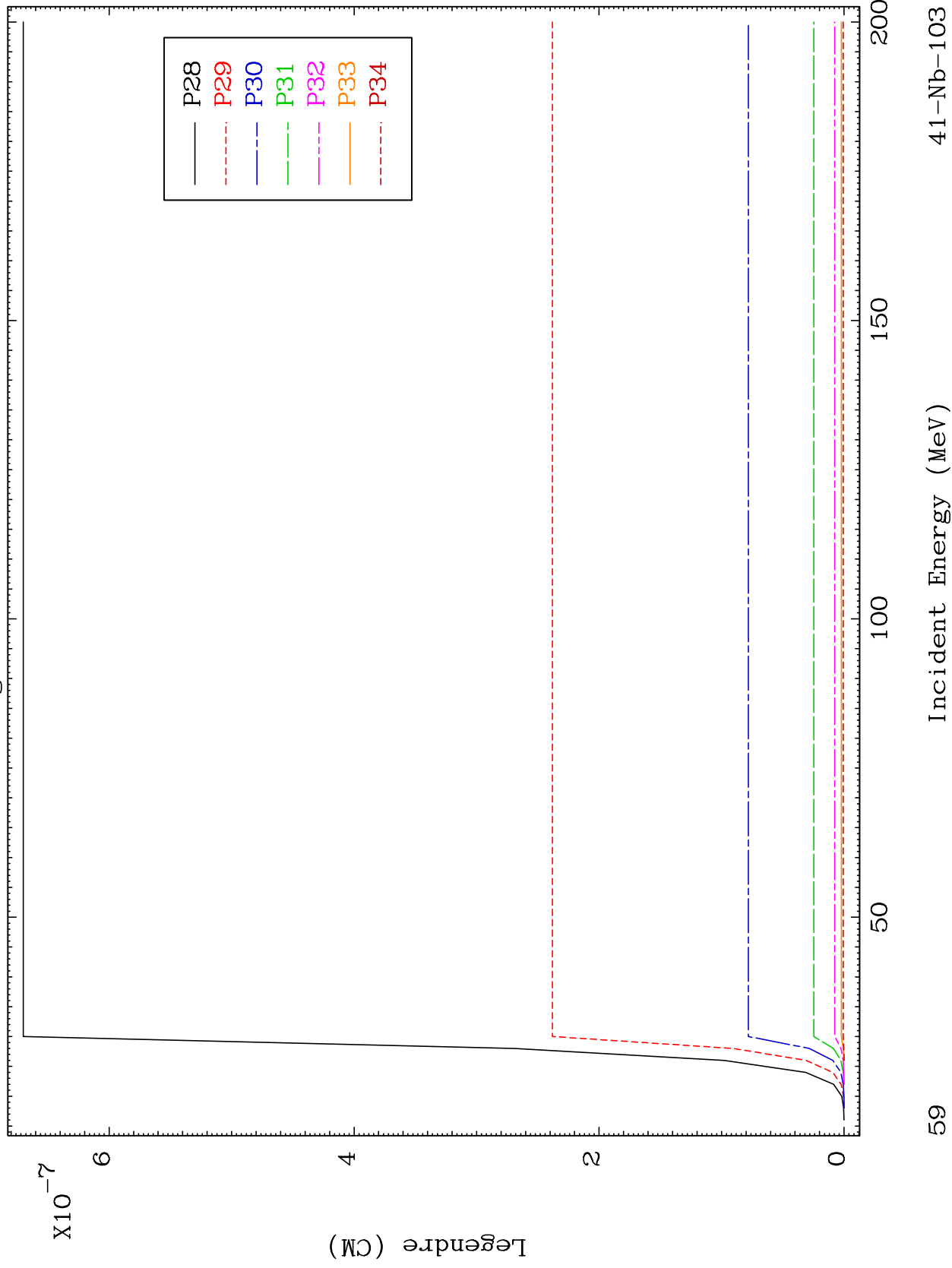
Incident Energy (MeV)

41-Nb-103

MAT 4155

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

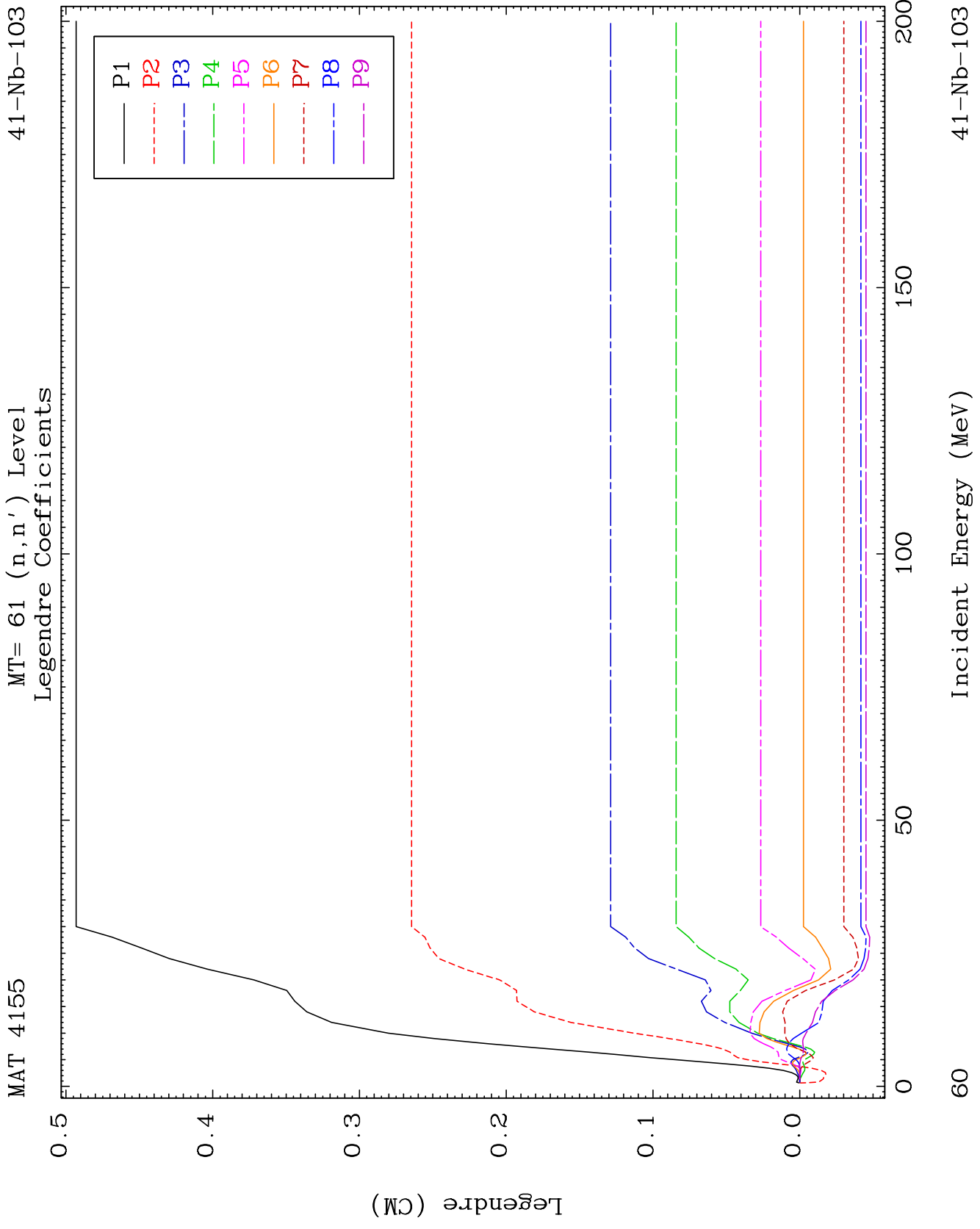
41-Nb-103



59

Incident Energy (MeV)

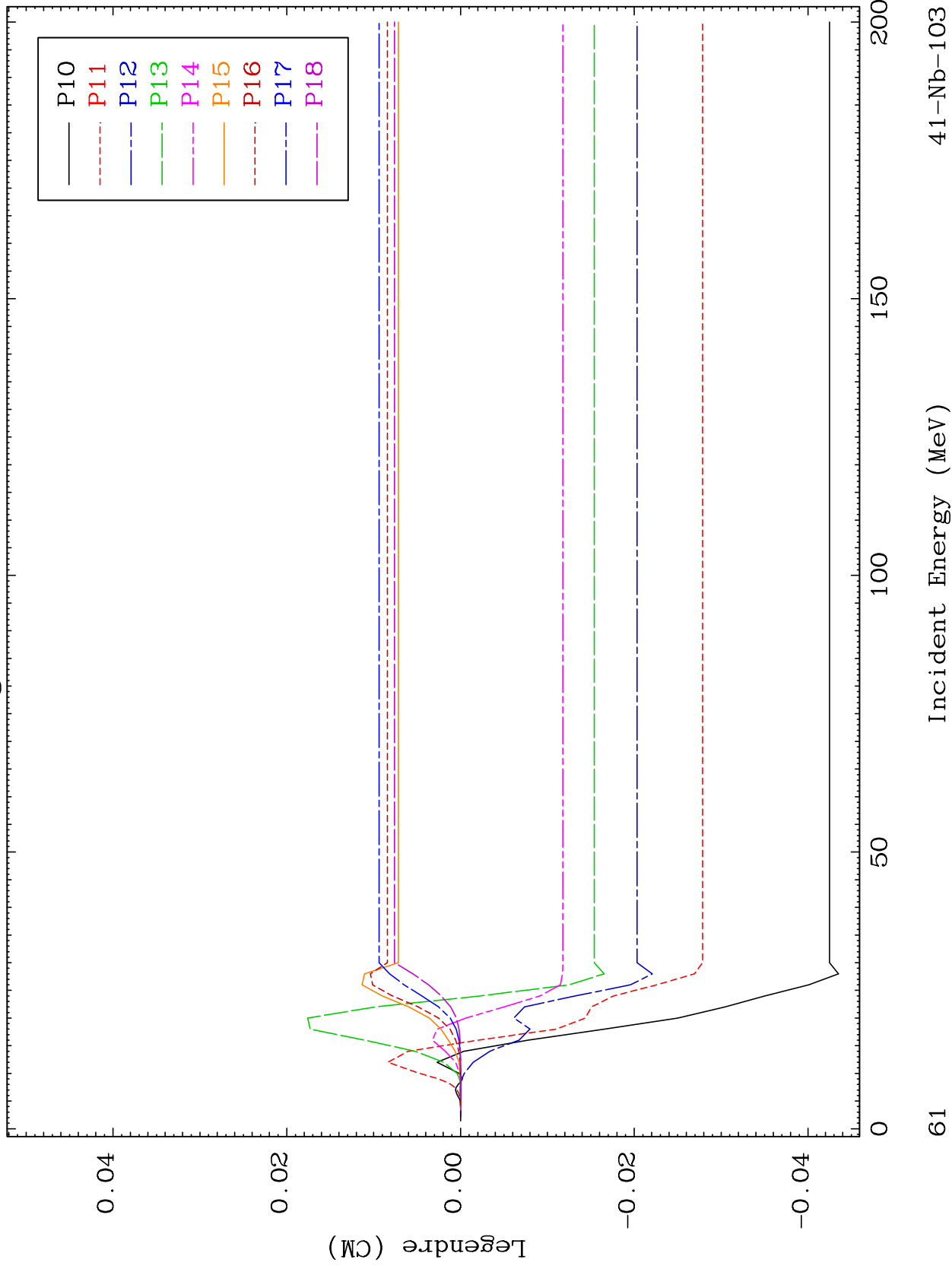
41-Nb-103



MAT 4155

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

41-Nb-103



61

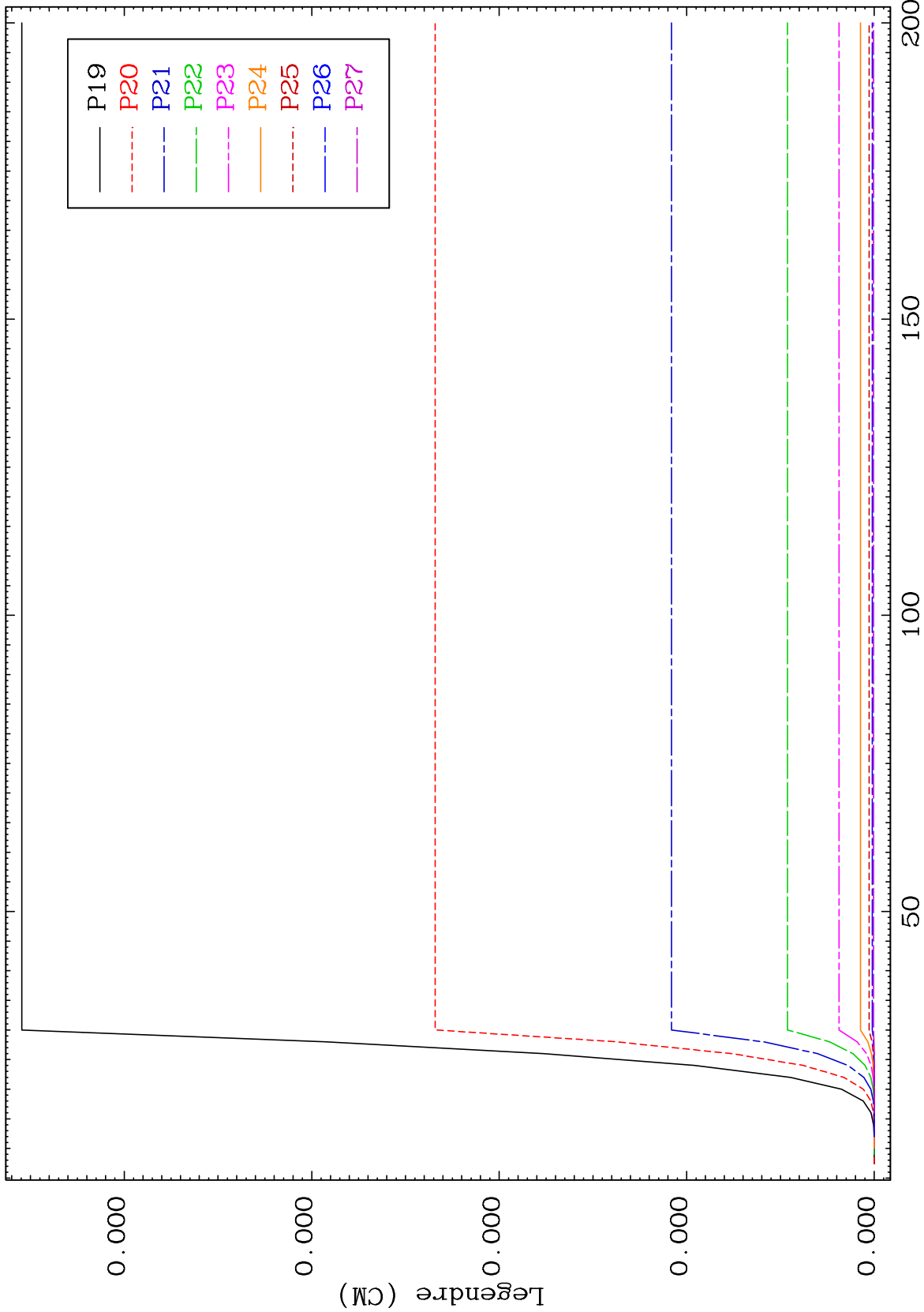
Incident Energy (MeV)

41-Nb-103

MAT 4155

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

41-Nb-103



62

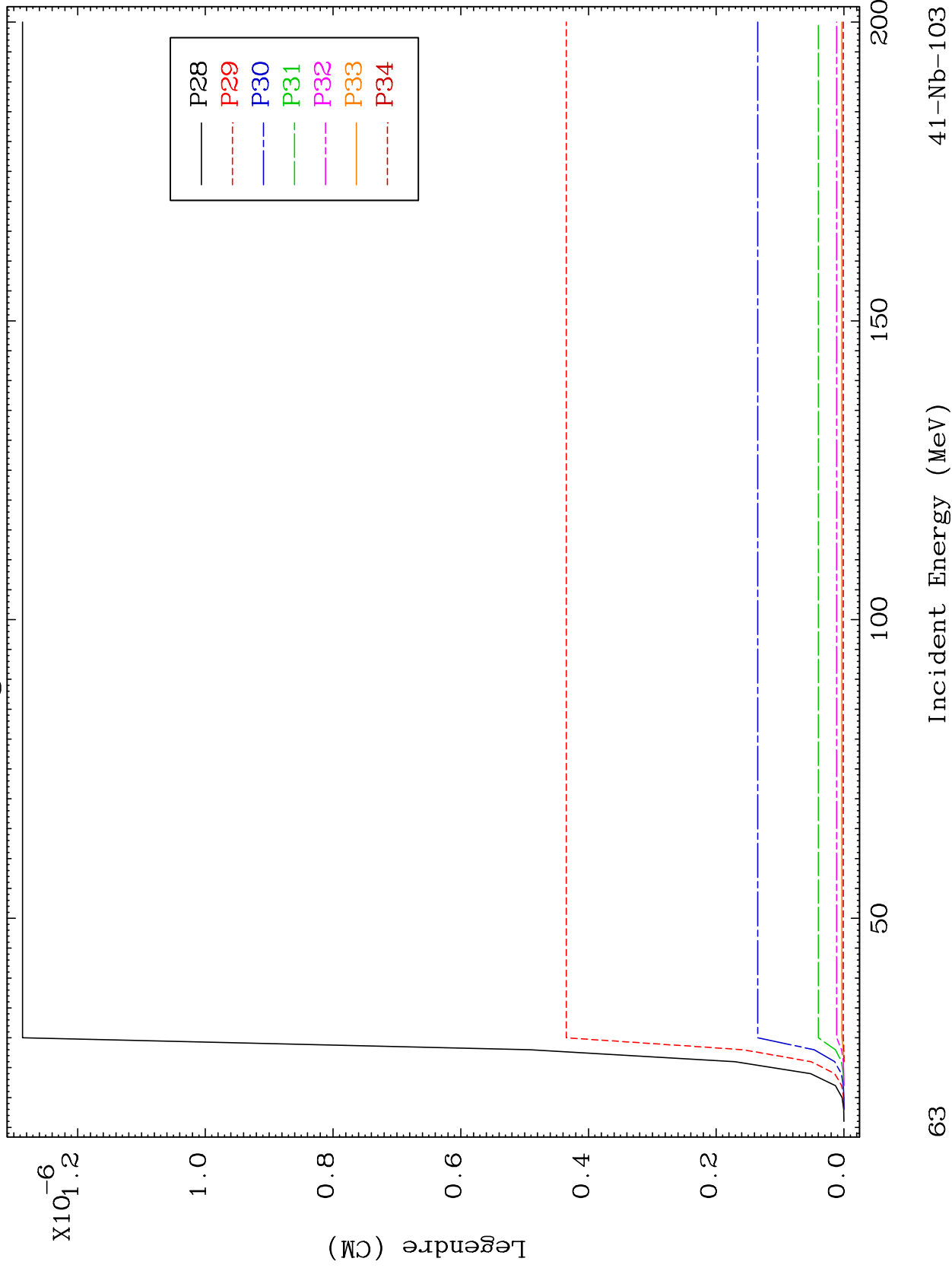
Incident Energy (MeV)

41-Nb-103

MAT 4155

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

41-Nb-103



63

Incident Energy (MeV)

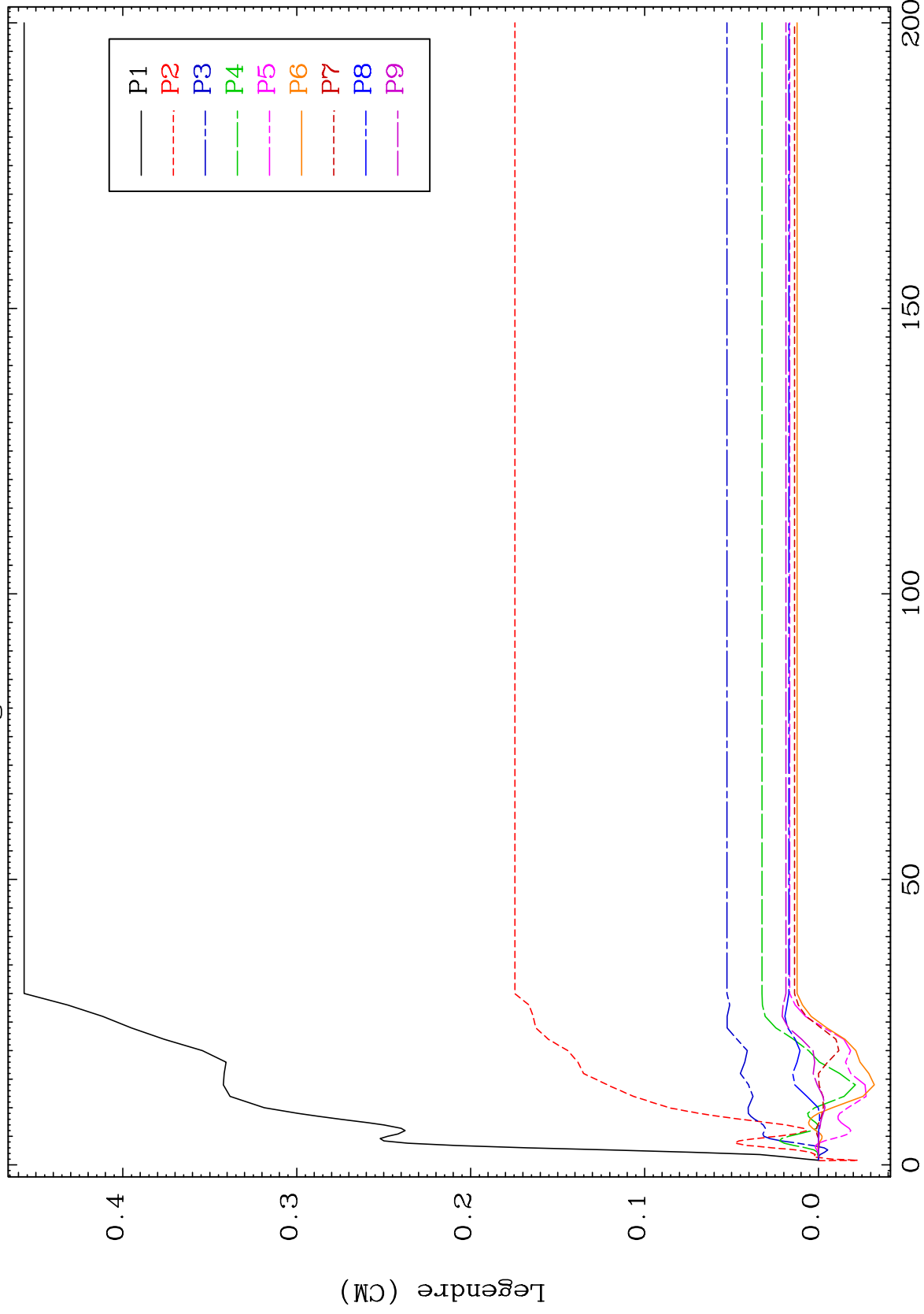
41-Nb-103



MAT 4155

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

41-Nb-103



64

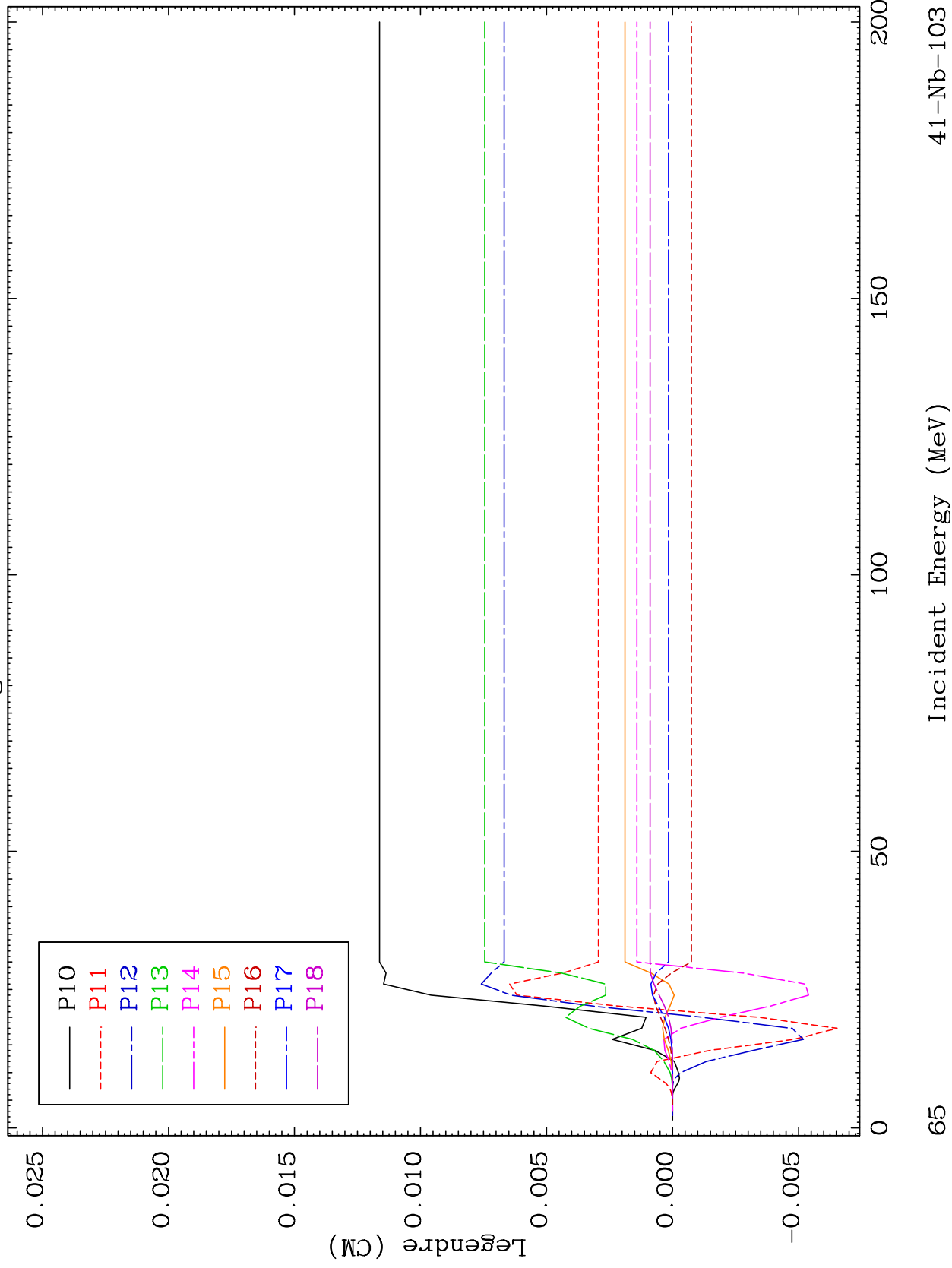
Incident Energy (MeV)

41-Nb-103

MAT 4155

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

41-Nb-103



41-Nb-103

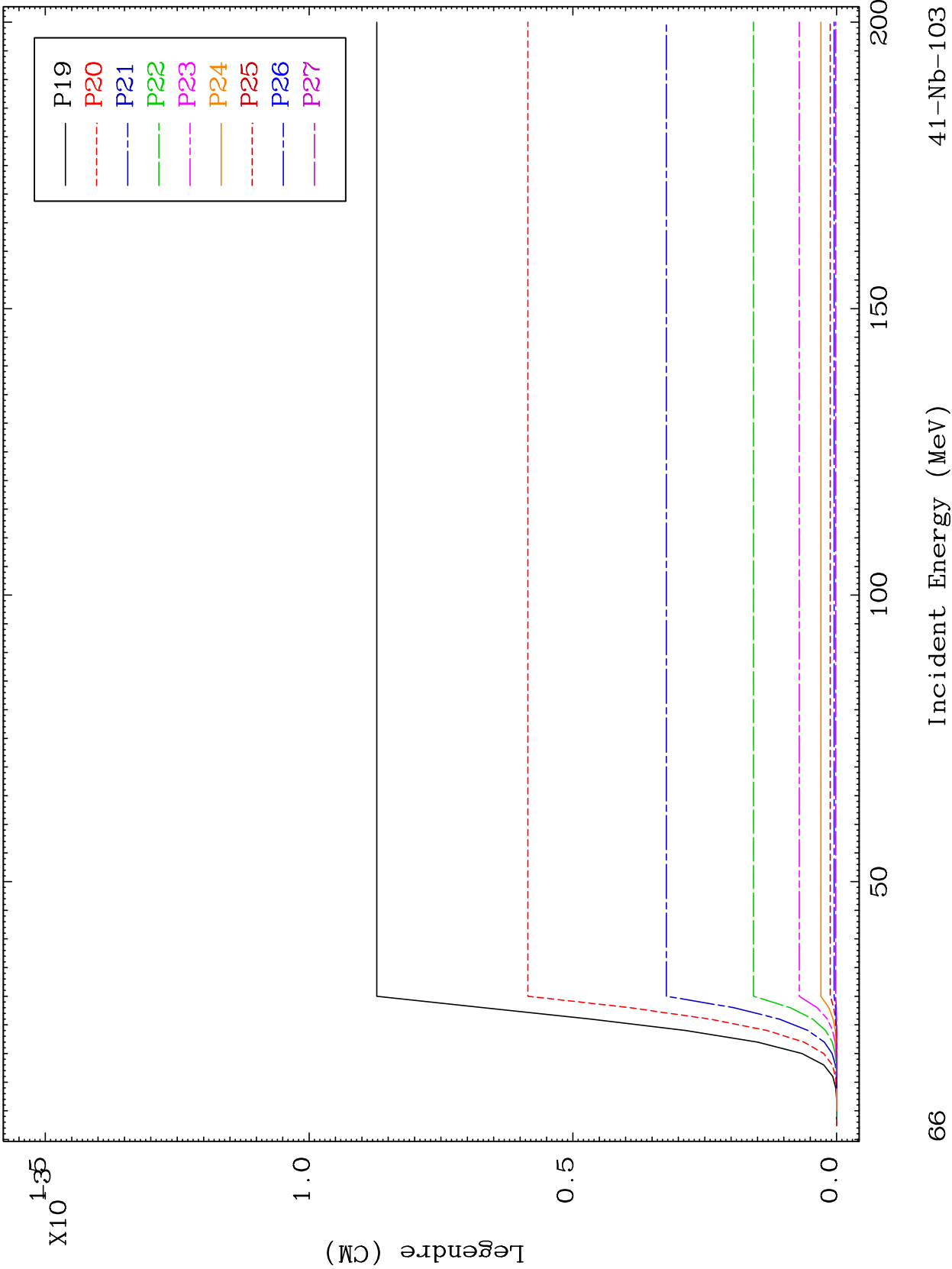
Incident Energy (MeV)

65

MAT 4155

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

41-Nb-103



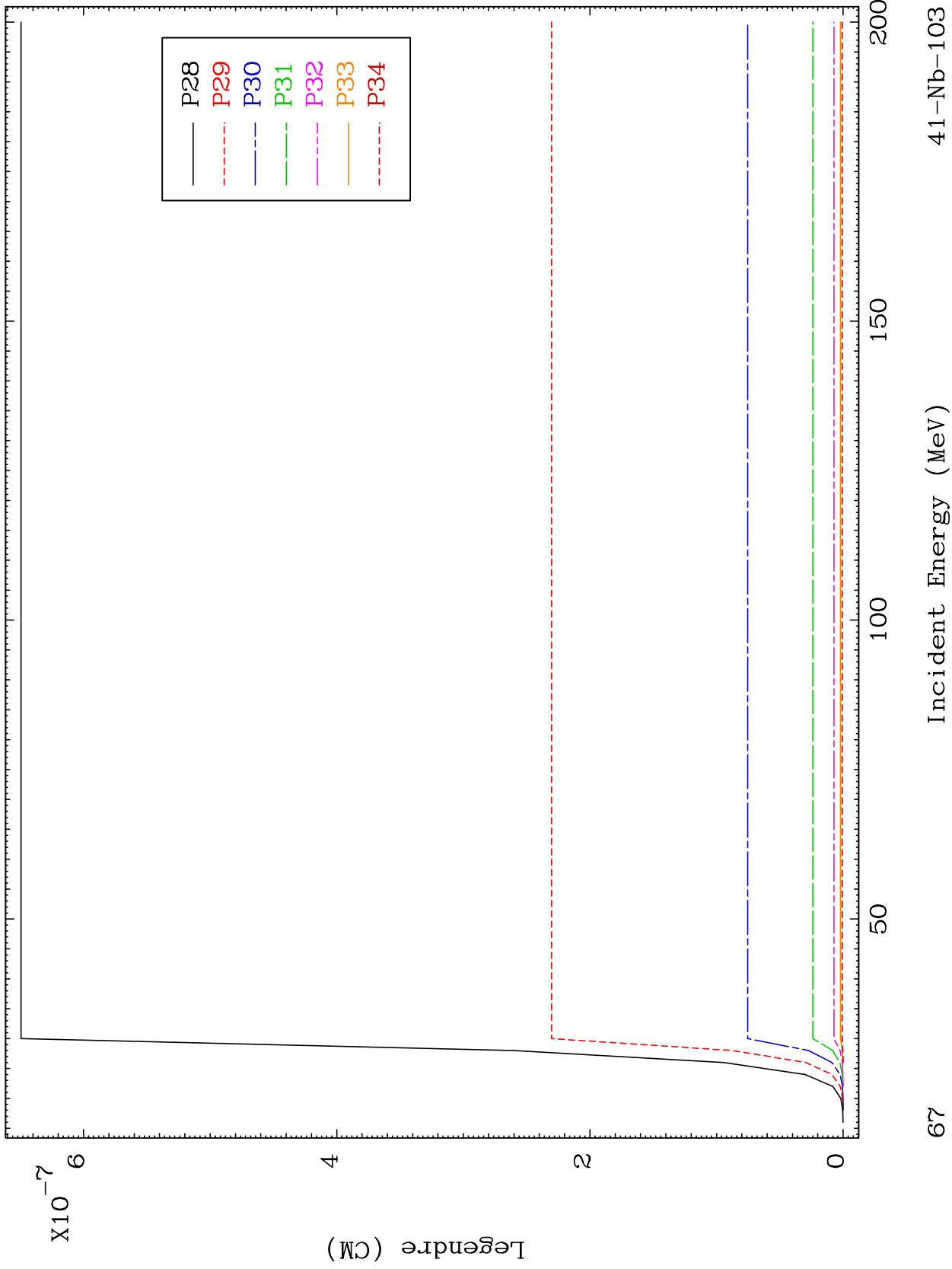
66

41-Nb-103

MAT 4155

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

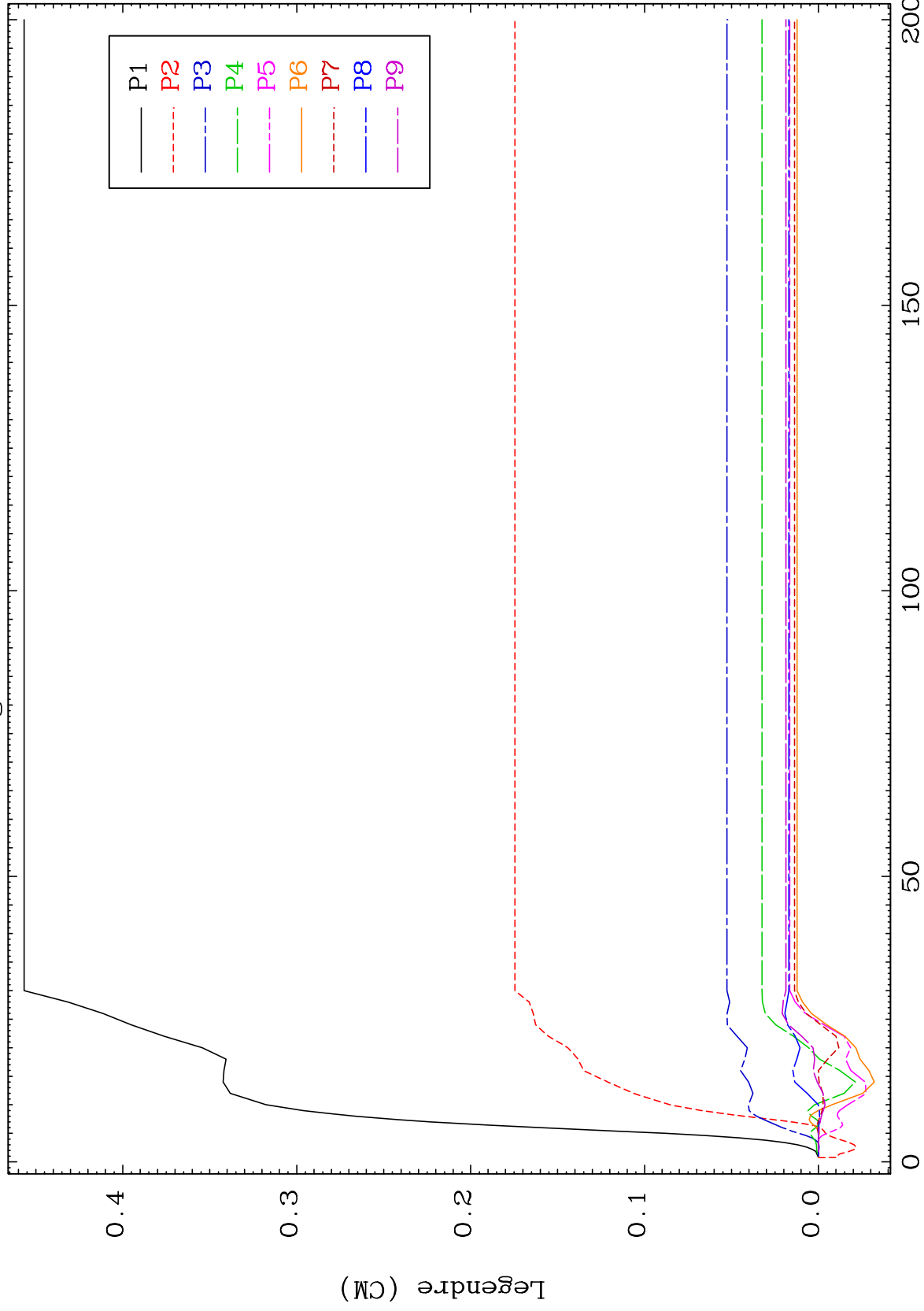
41-Nb-103



MAT 4155

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

41-Nb-103



68

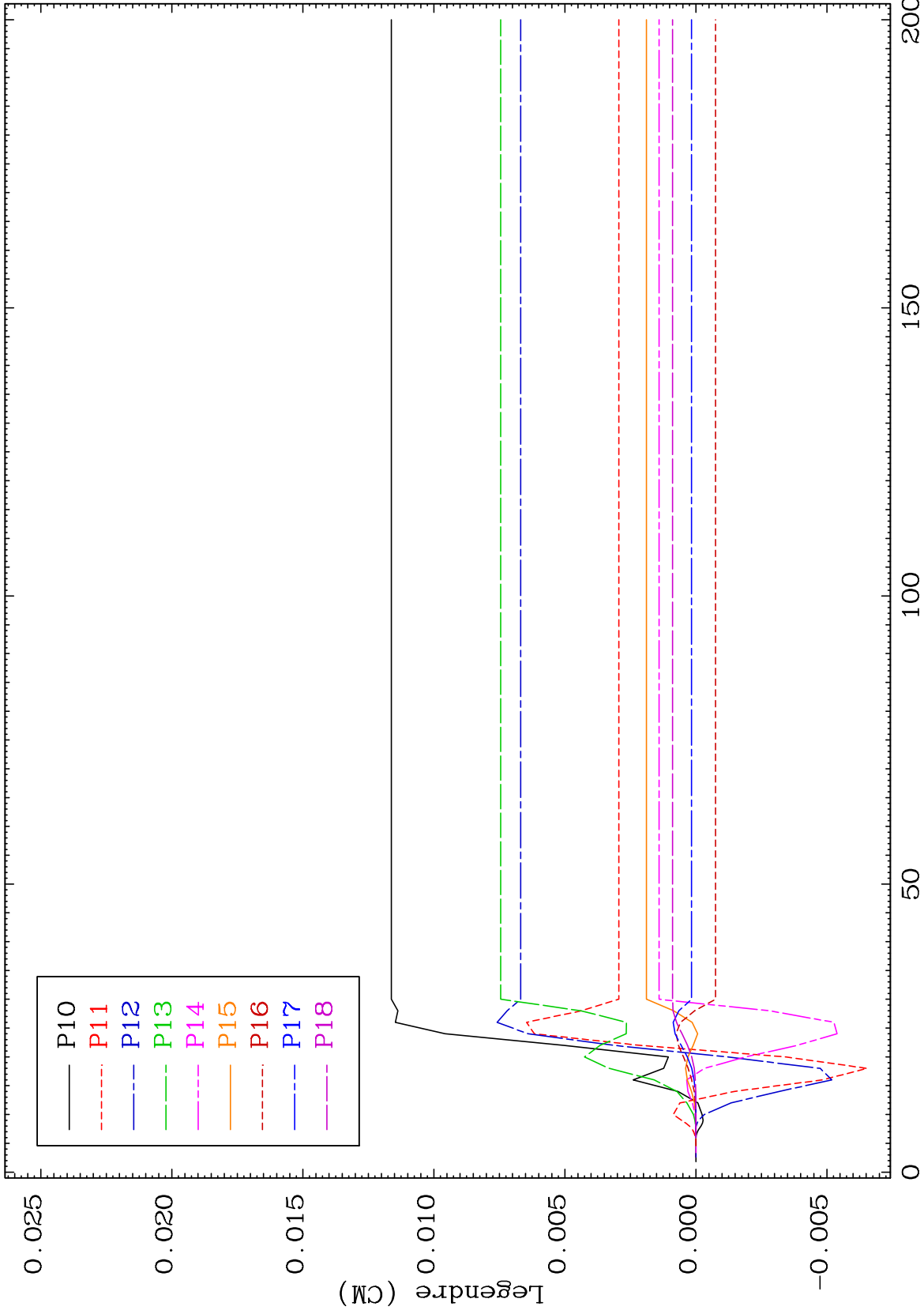
Incident Energy (MeV)

41-Nb-103

MAT 4155

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

41-Nb-103



69

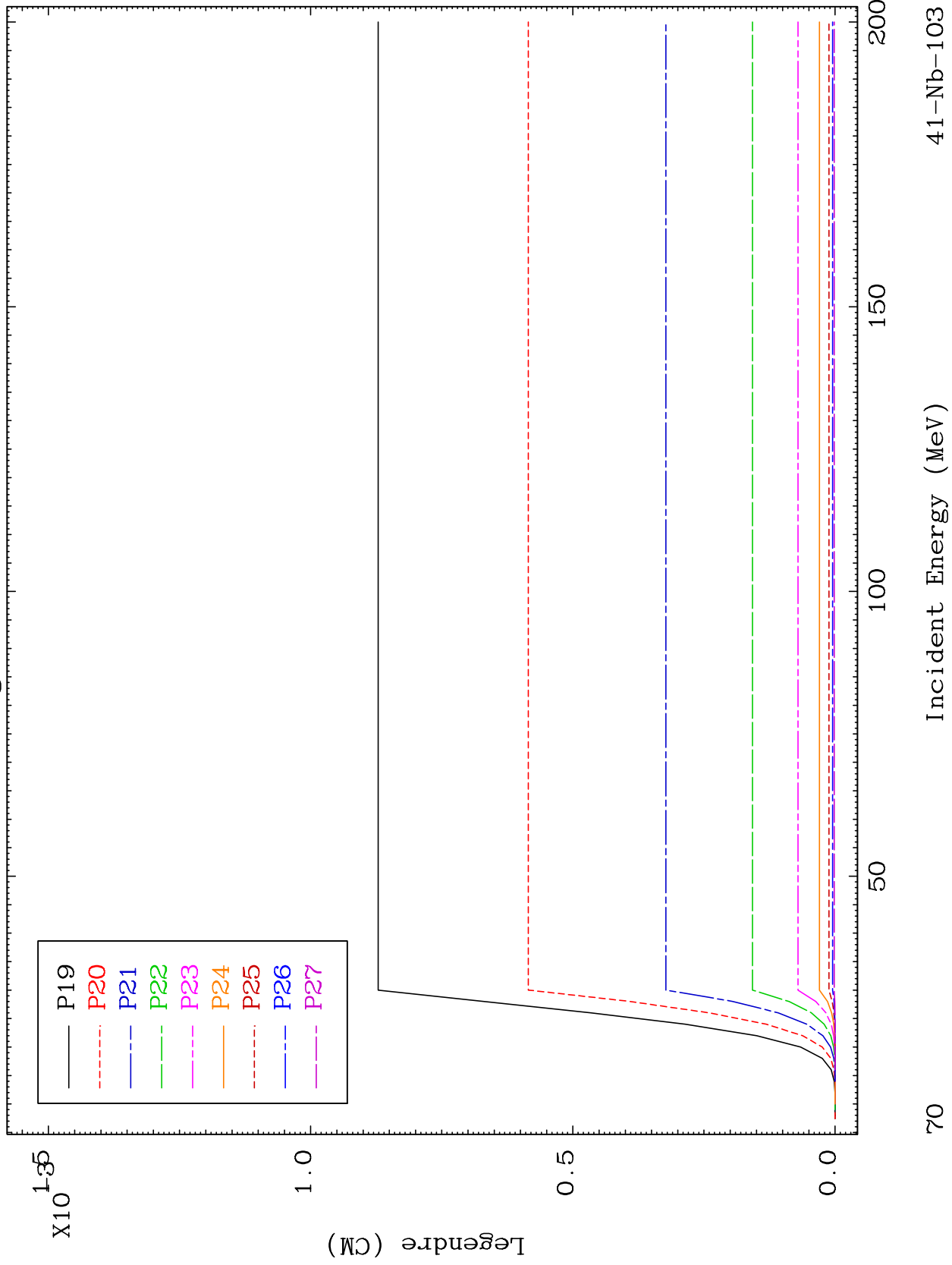
Incident Energy (MeV)

41-Nb-103

MAT 4155

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

41-Nb-103



70

Incident Energy (MeV)

50

100

150

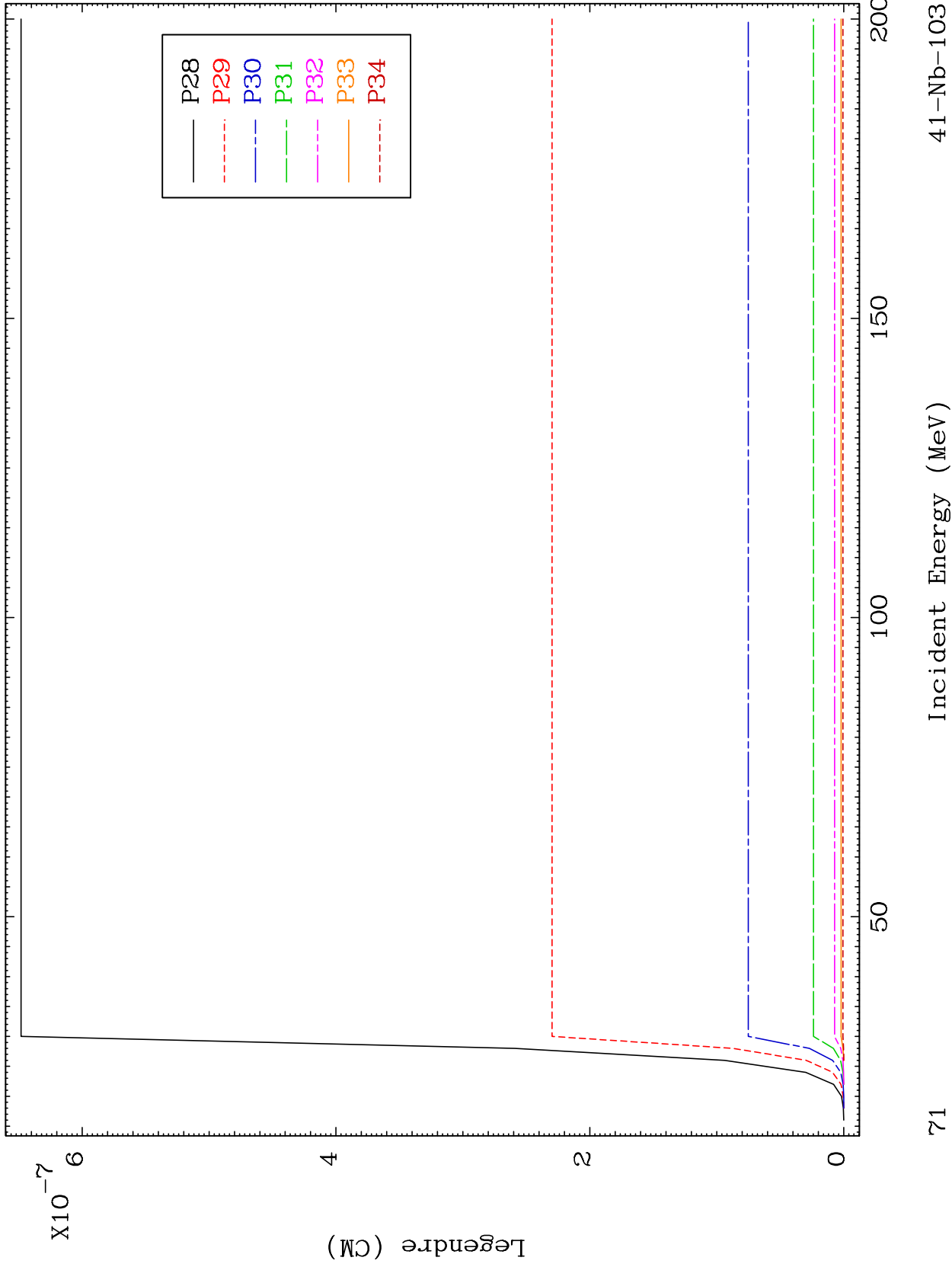
200

41-Nb-103

MAT 4155

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

41-Nb-103

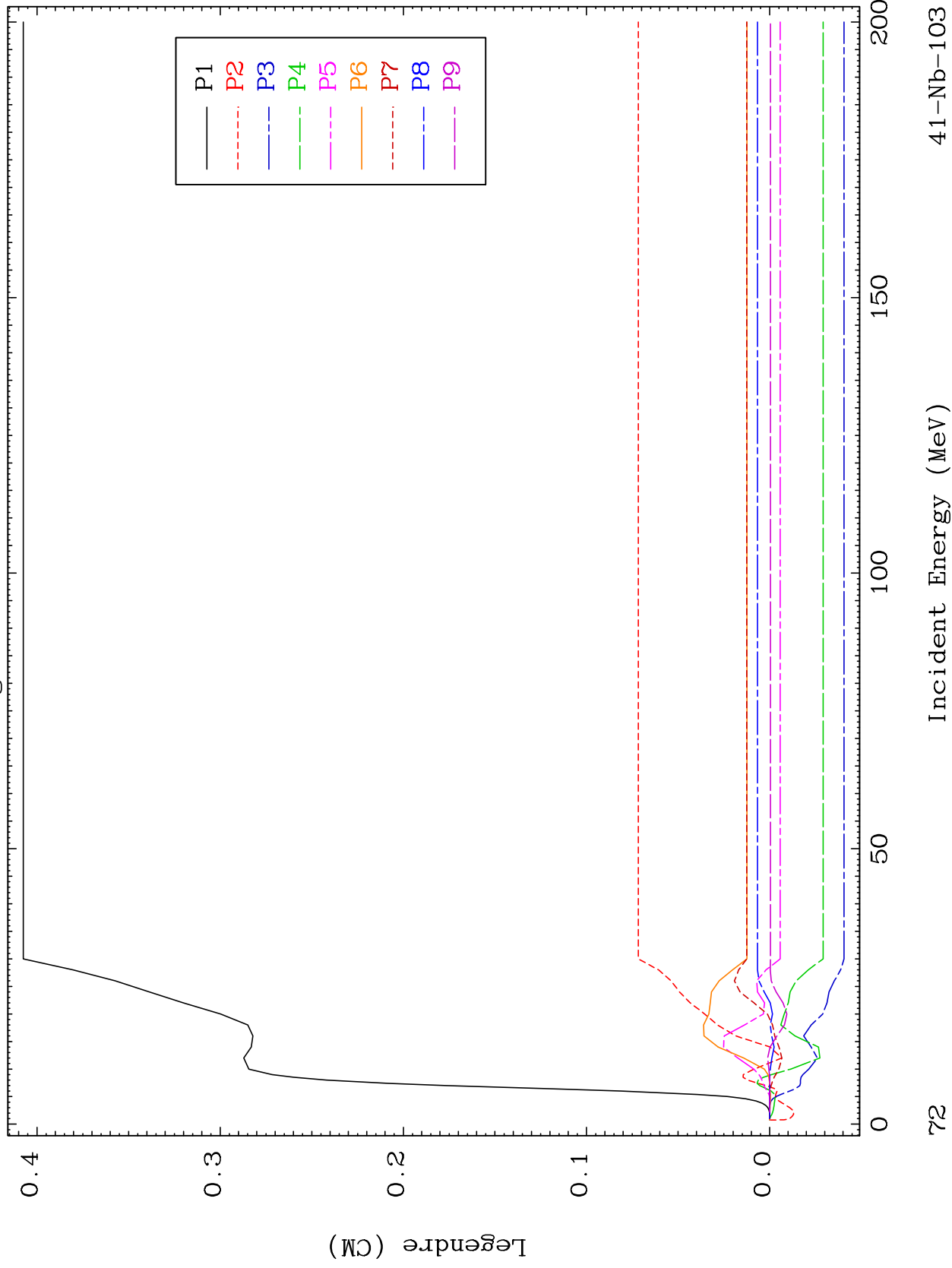




MAT 4155

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

41-Nb-103



41-Nb-103

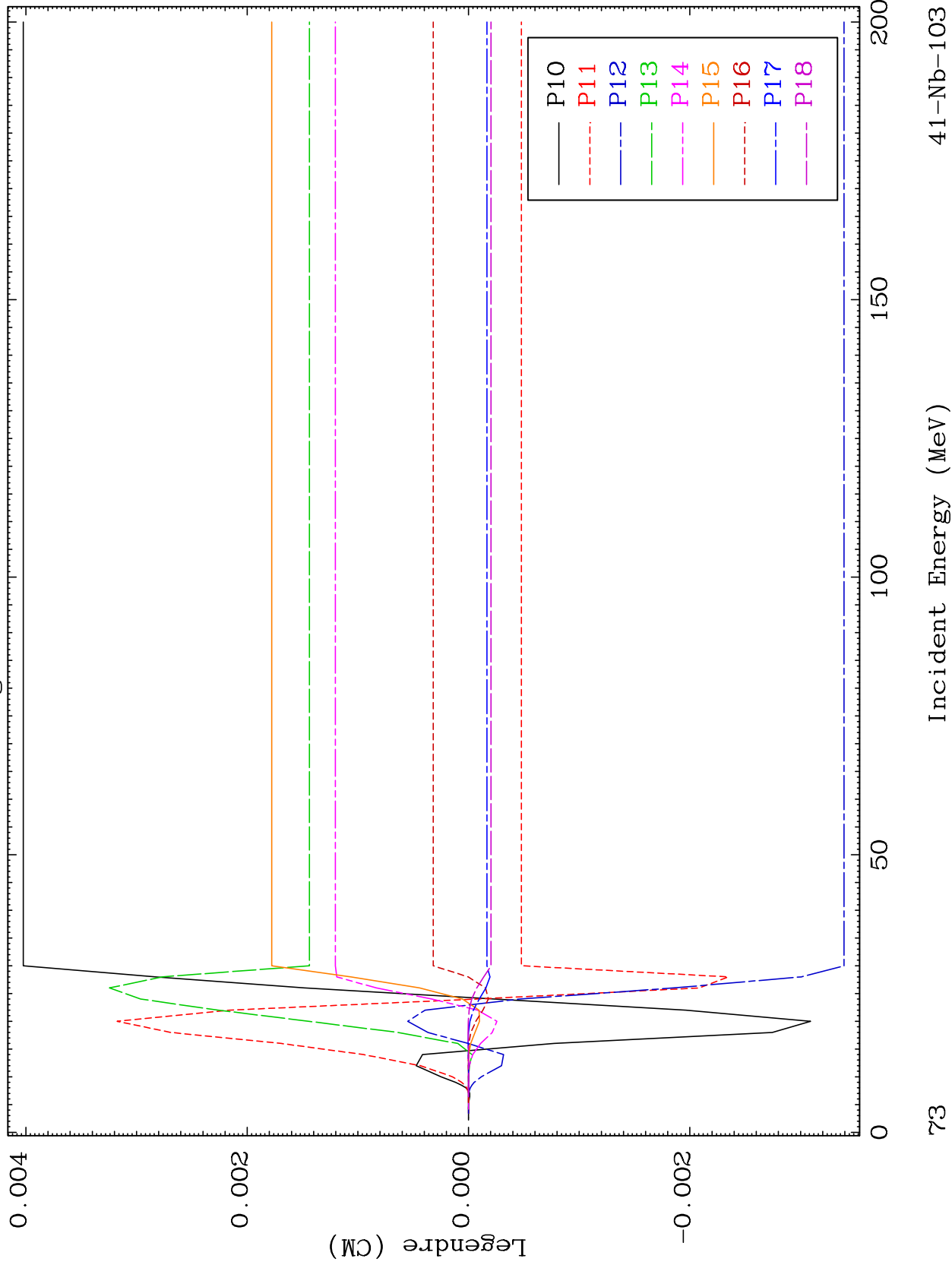
Incident Energy (MeV)

72

MAT 4155

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

41-Nb-103



73

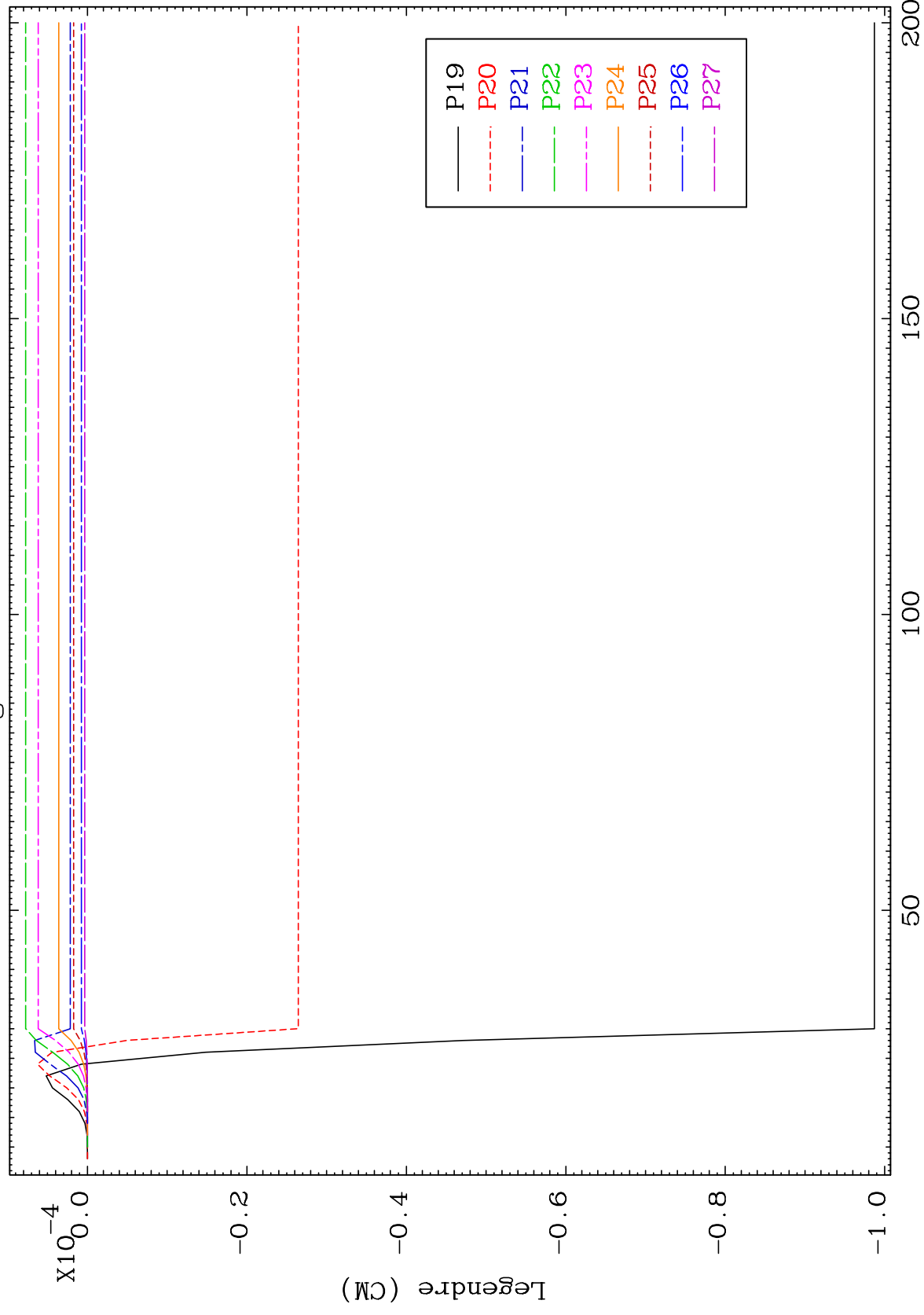
Incident Energy (MeV)

41-Nb-103

MAT 4155

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

41-Nb-103



74

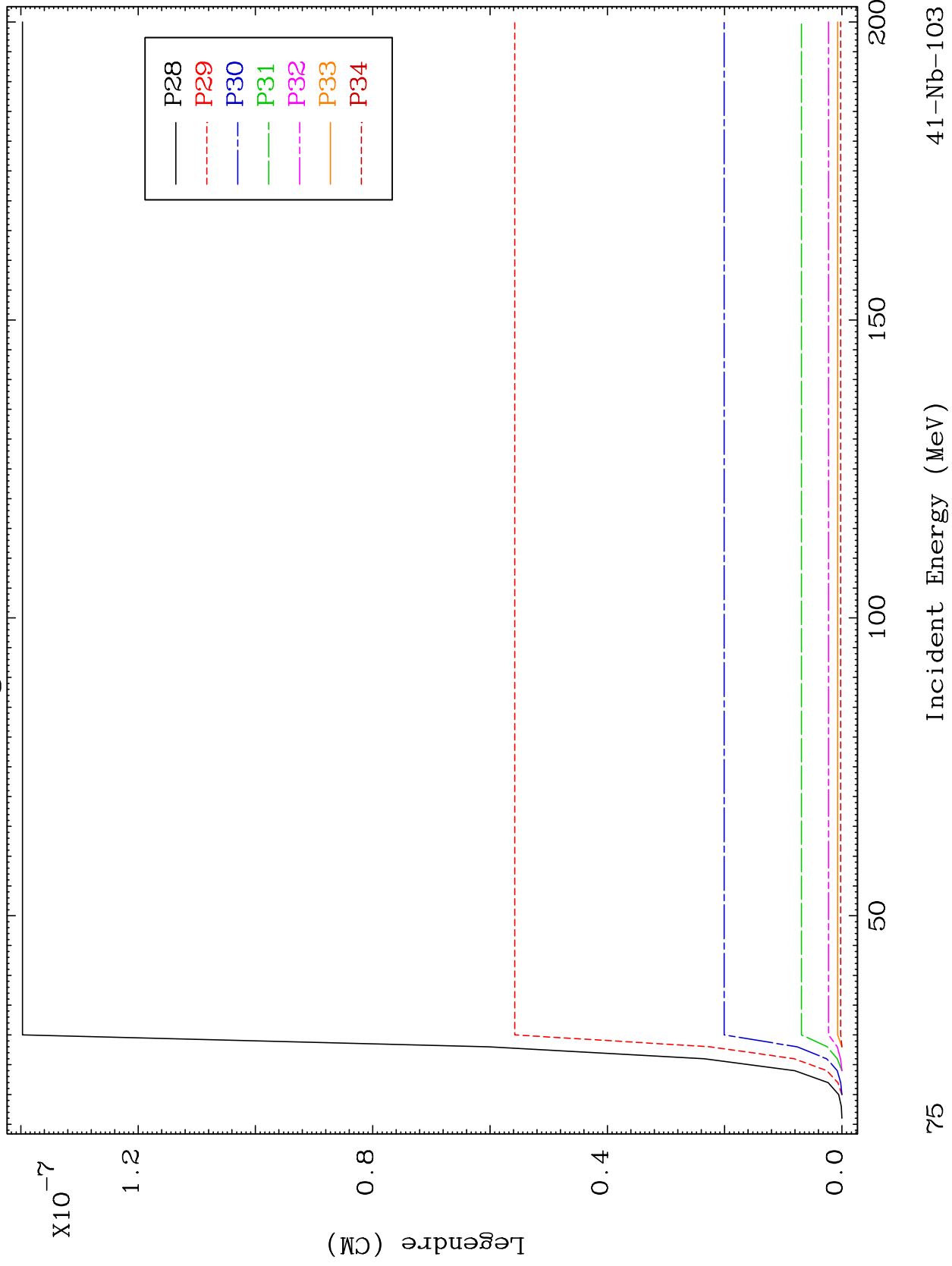
Incident Energy (MeV)

41-Nb-103

MAT 4155

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

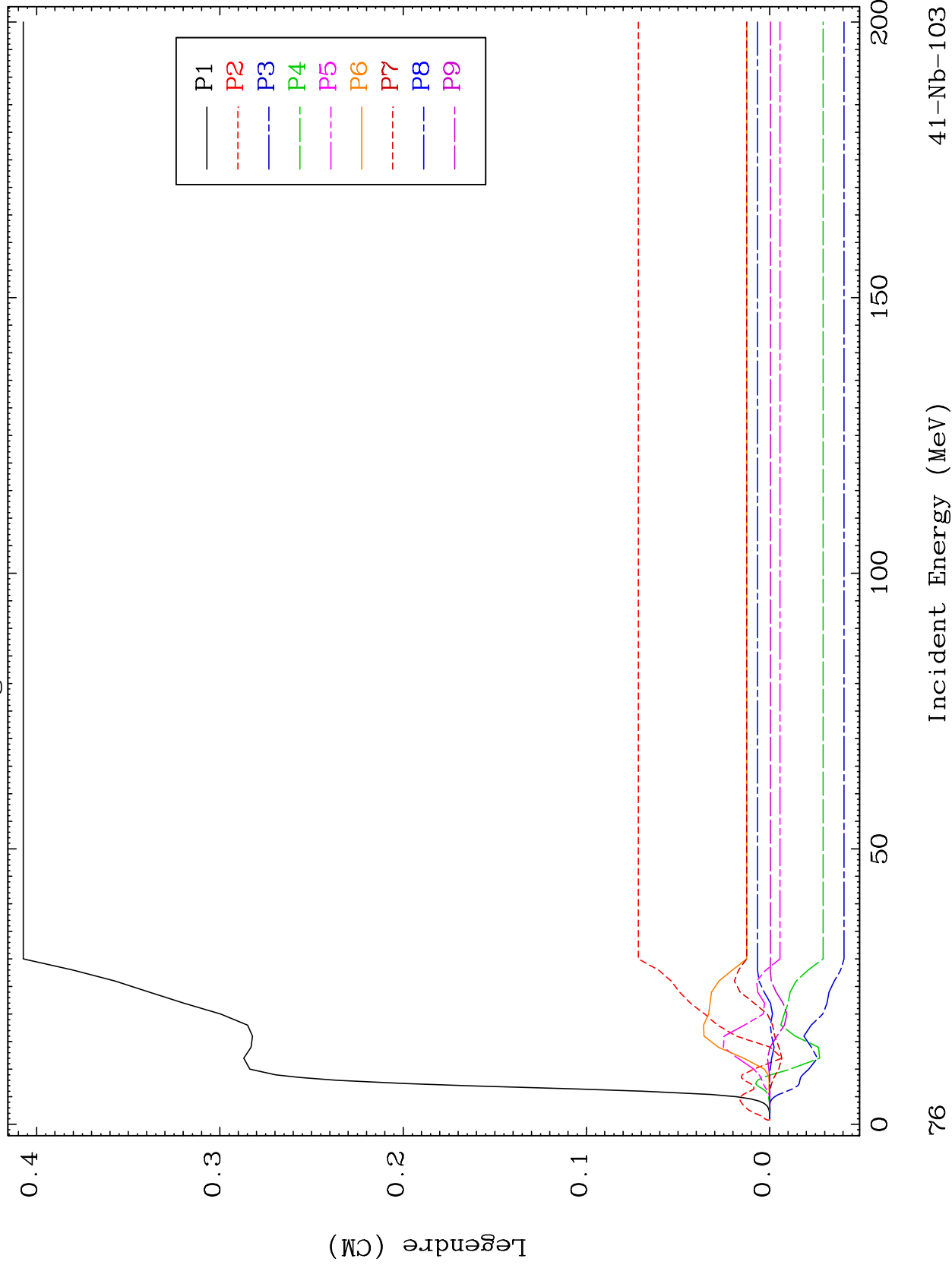
41-Nb-103



MAT 4155

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

41-Nb-103



41-Nb-103

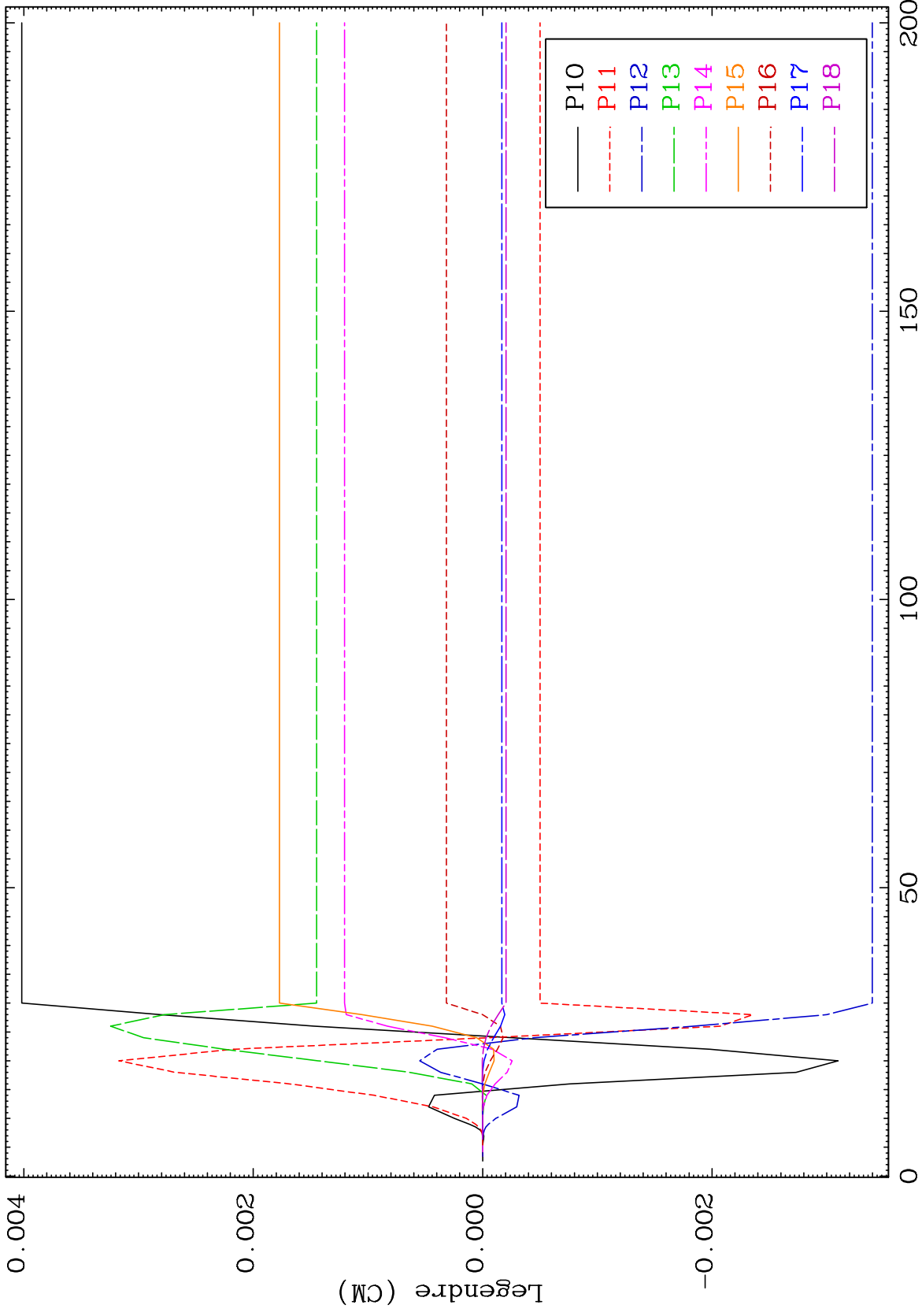
Incident Energy (MeV)

76

MAT 4155

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

41-Nb-103



77

Incident Energy (MeV)

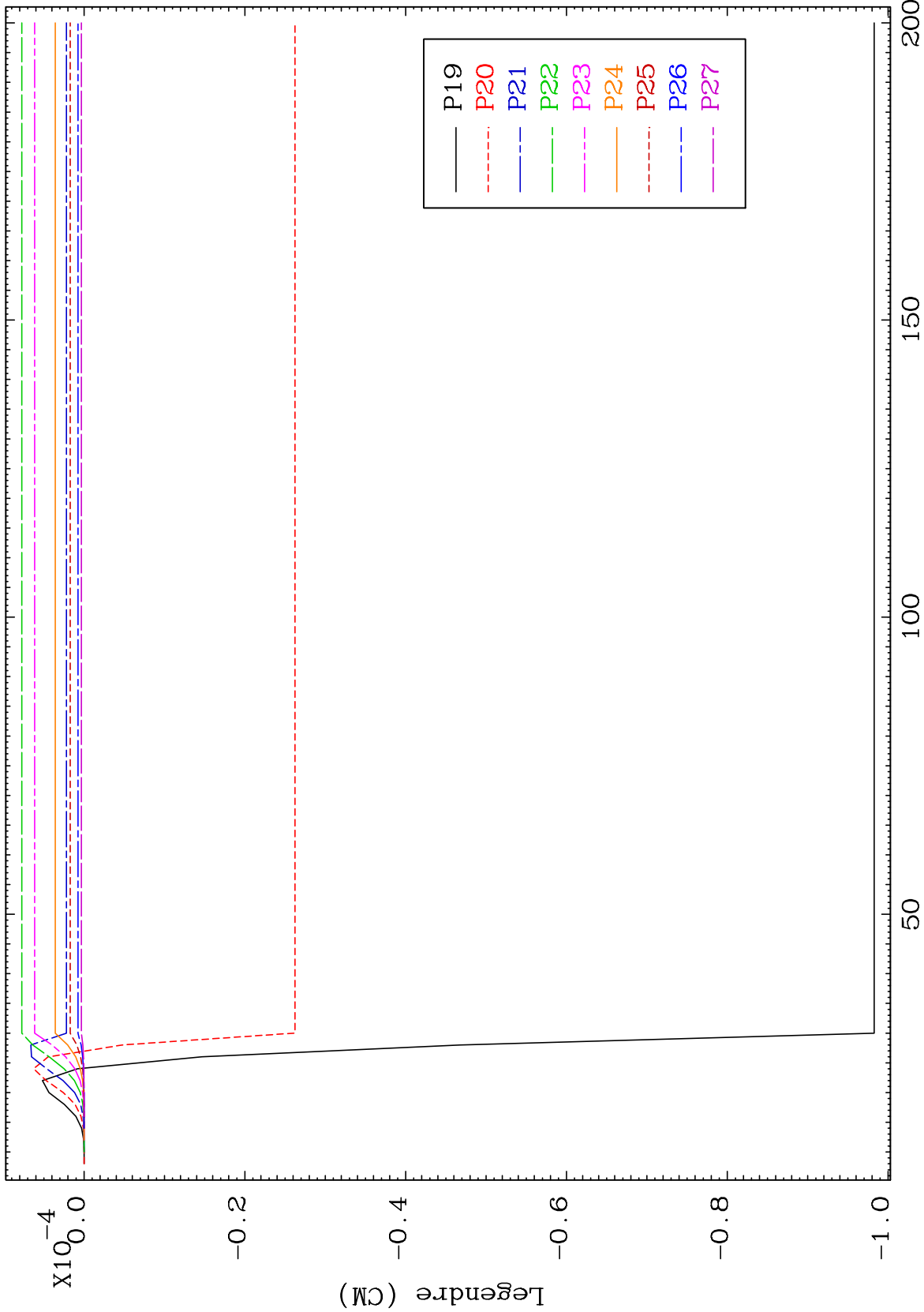
41-Nb-103

MAT 4155

MT= 65 (n,n') Level

41-Nb-103

Legendre Coefficients



78

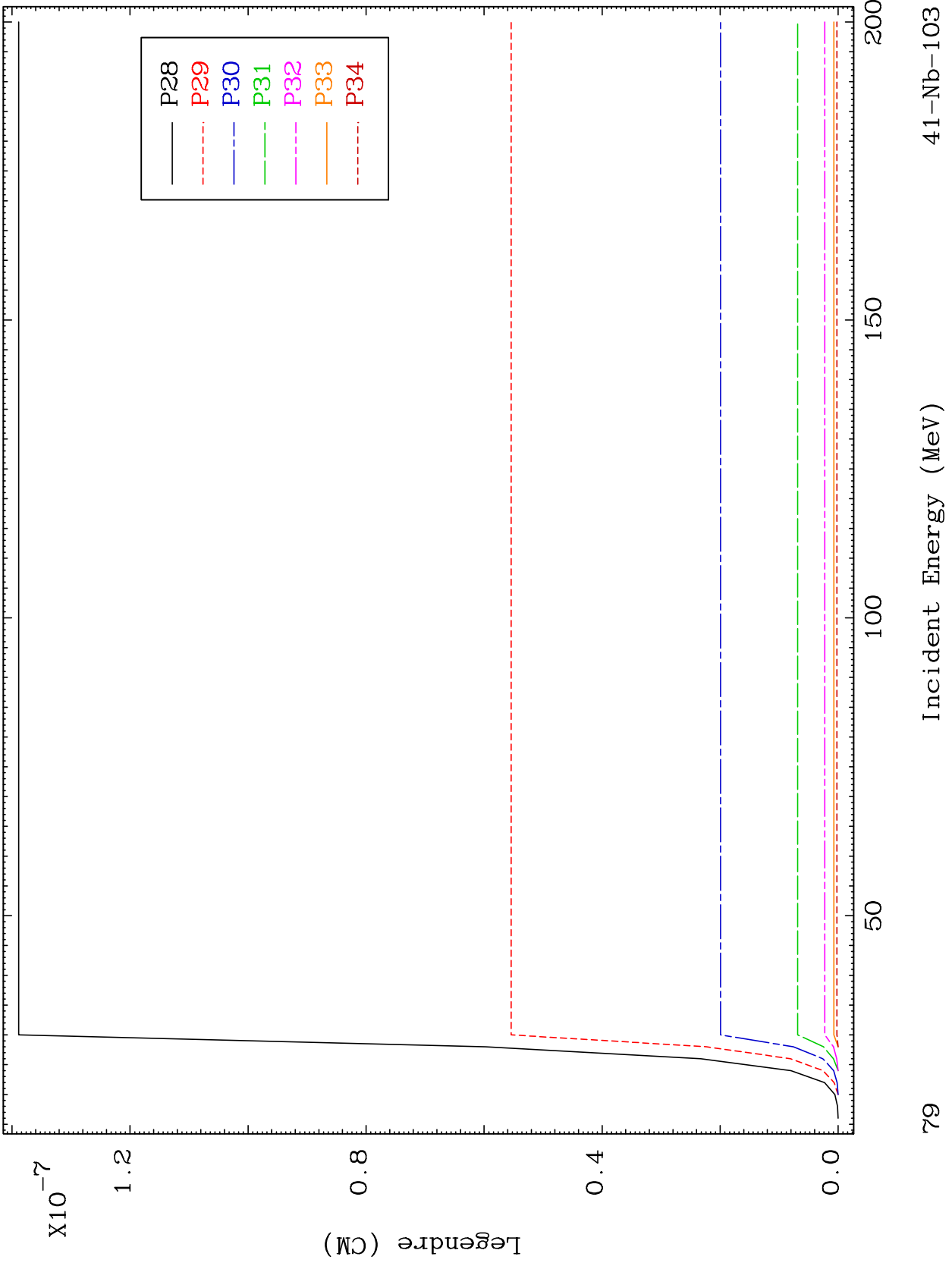
Incident Energy (MeV)

41-Nb-103

MAT 4155

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

41-Nb-103

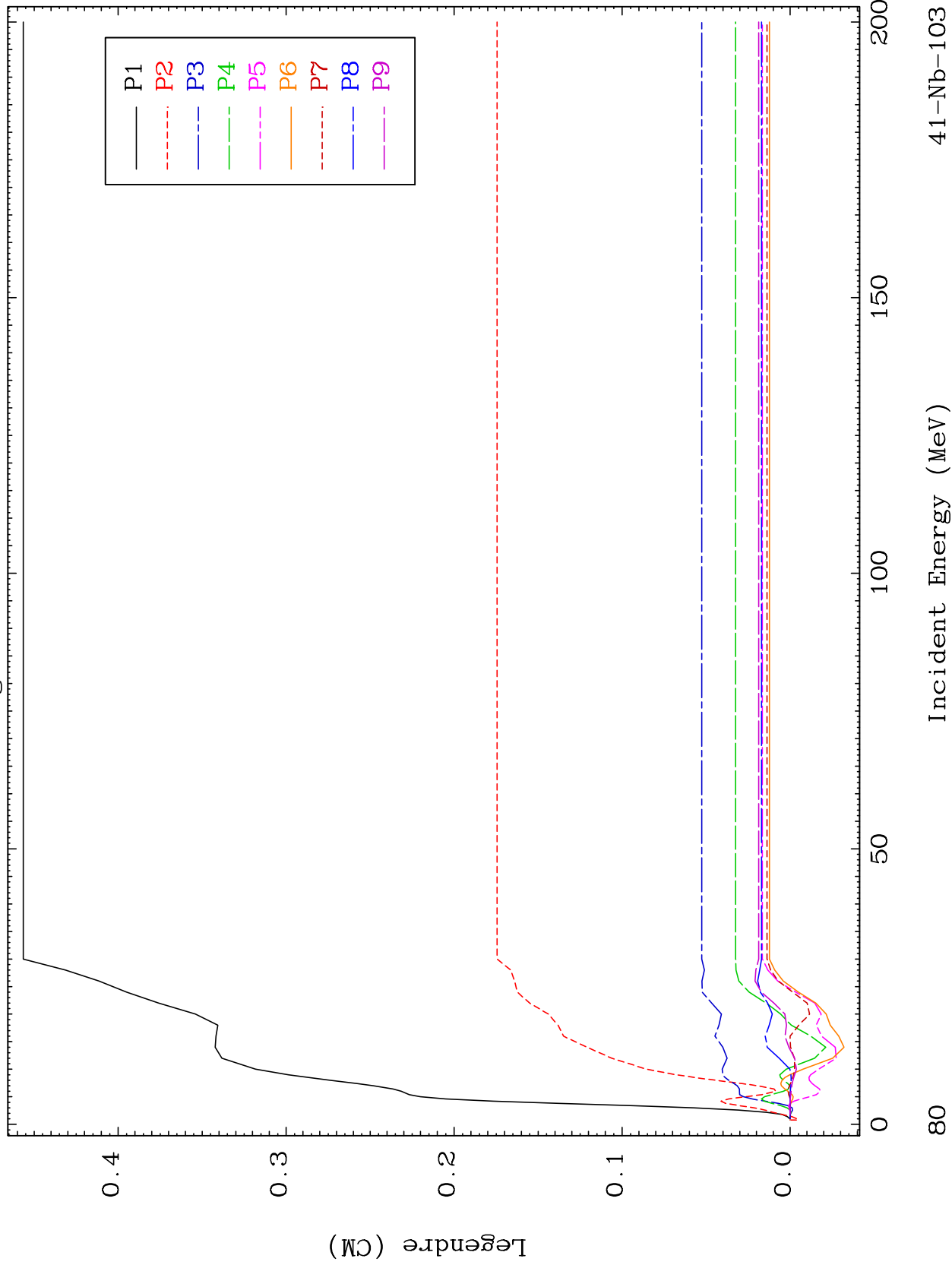




MAT 4155

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

41-Nb-103



41-Nb-103

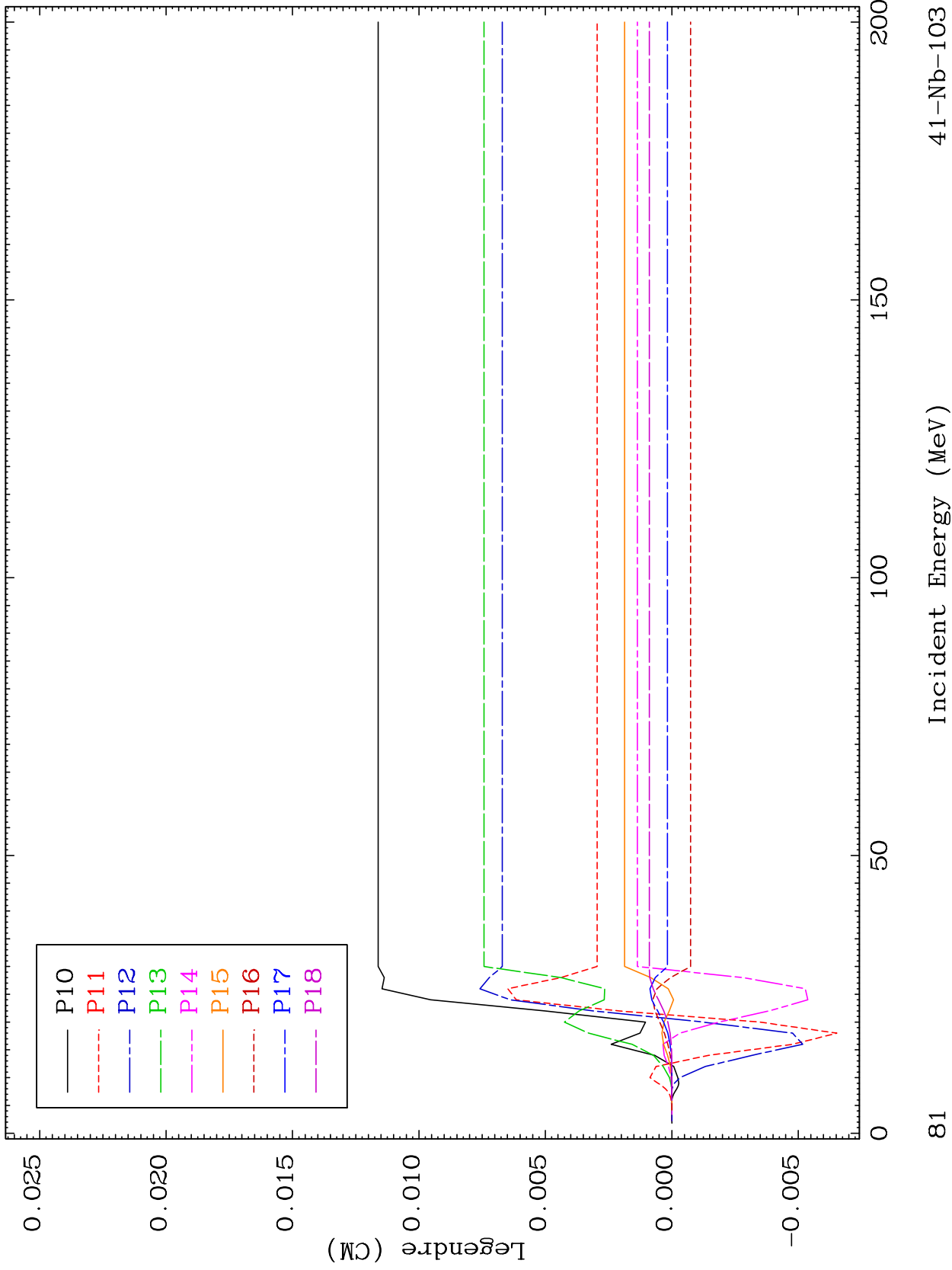
Incident Energy (MeV)

80

MAT 4155

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

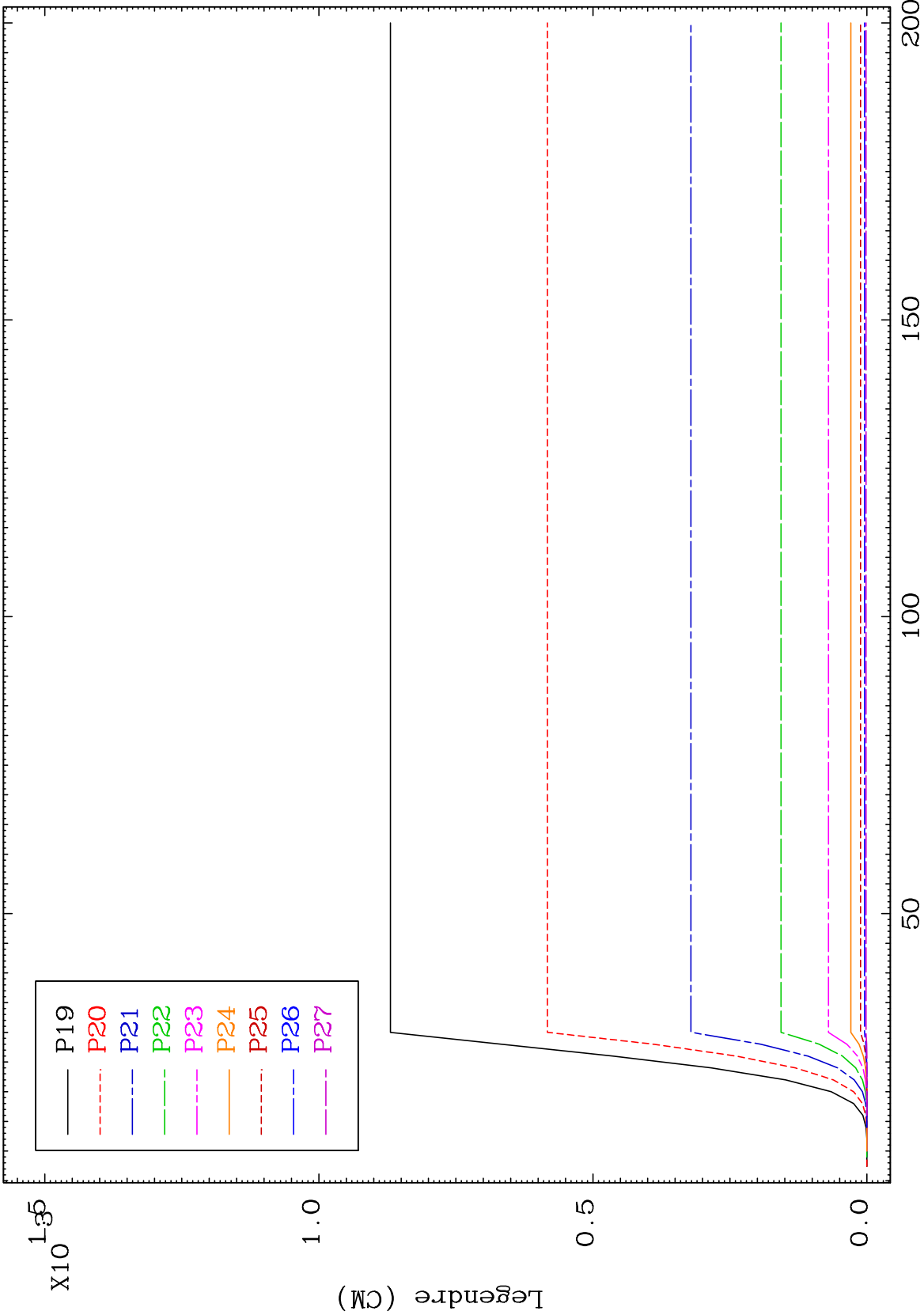
41-Nb-103



81

Incident Energy (MeV)

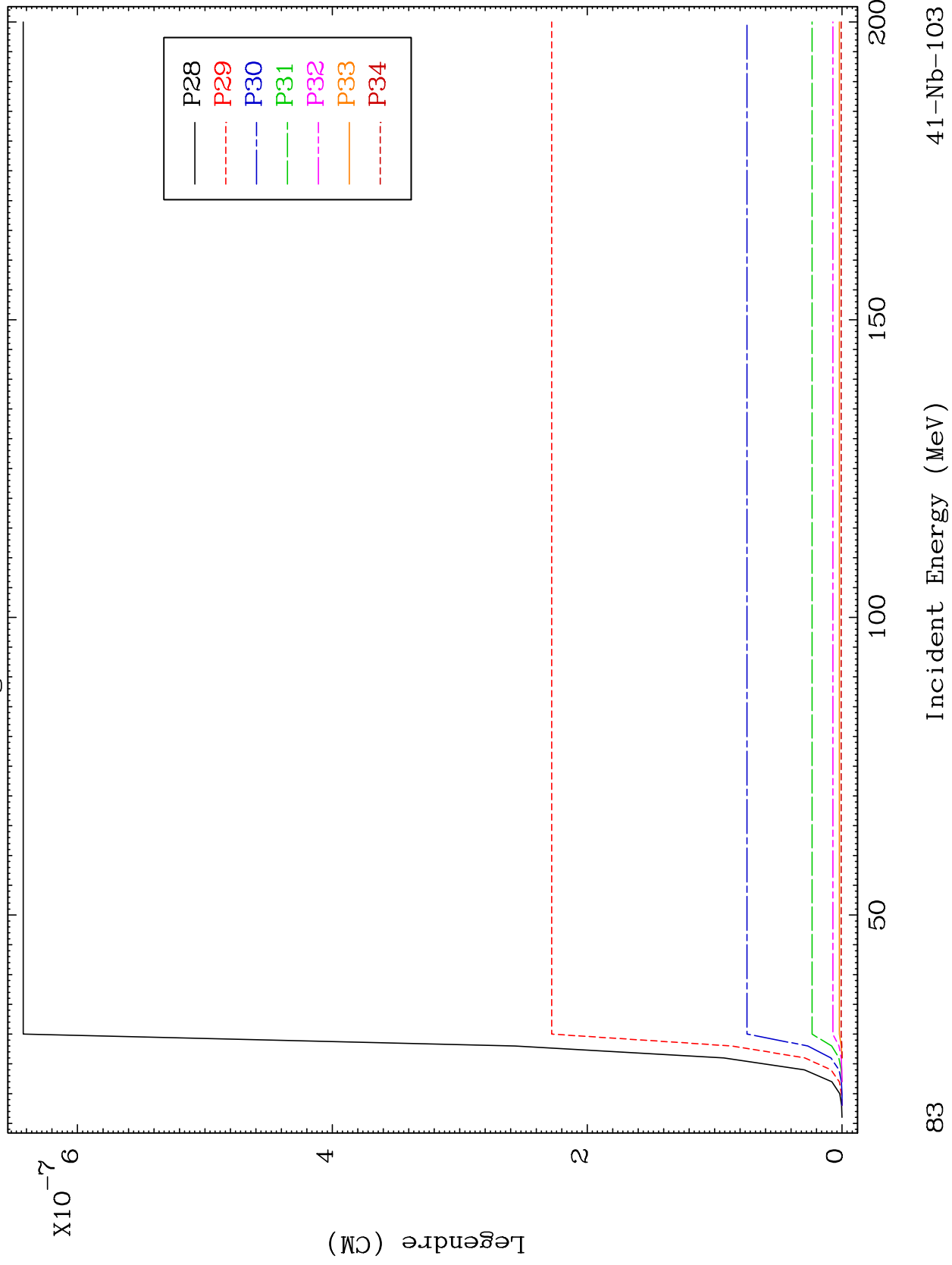
41-Nb-103



MAT 4155

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

41-Nb-103

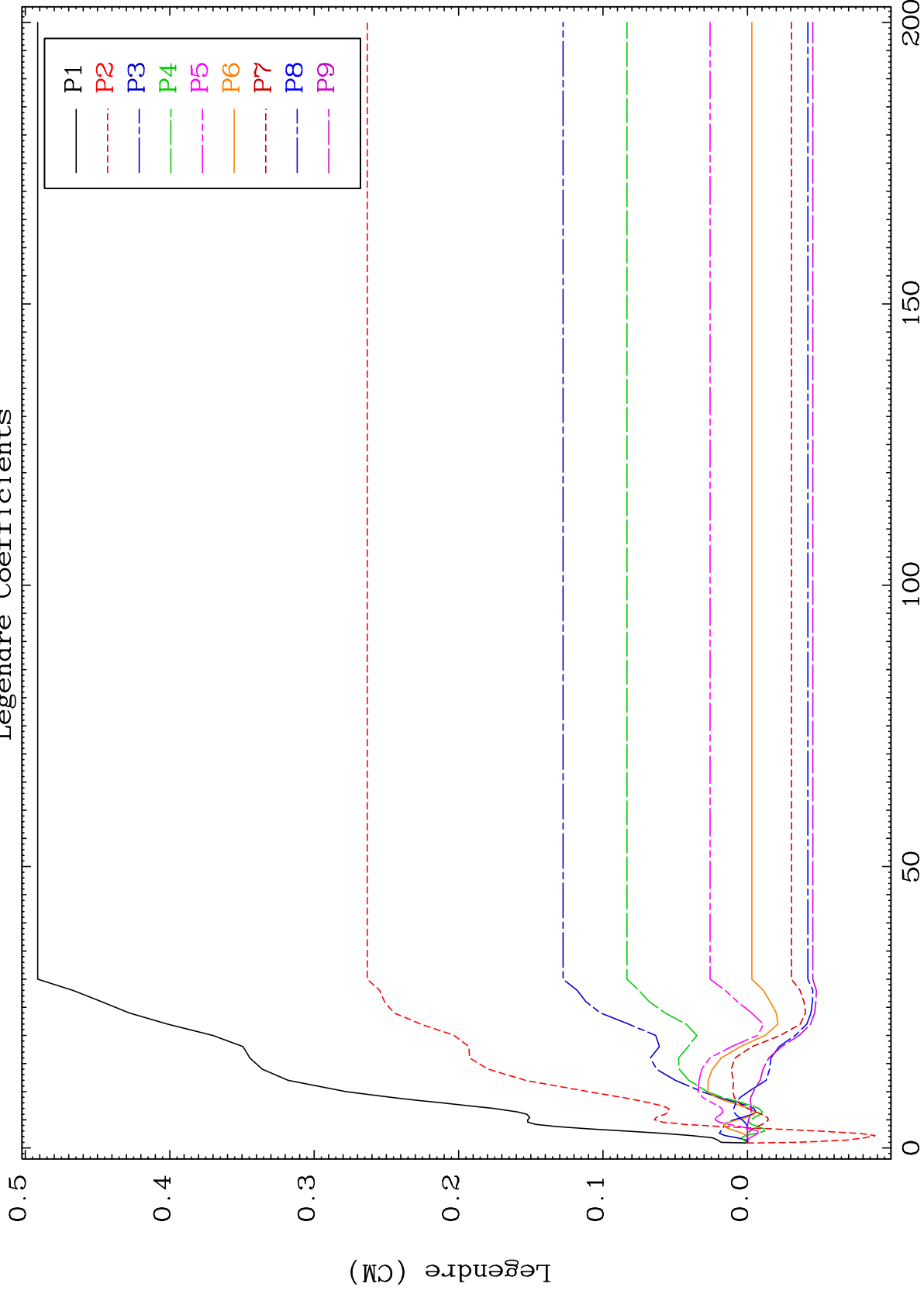


MAT 4155

MT= 67 (n,n') Level

41-Nb-103

Legendre Coefficients



84

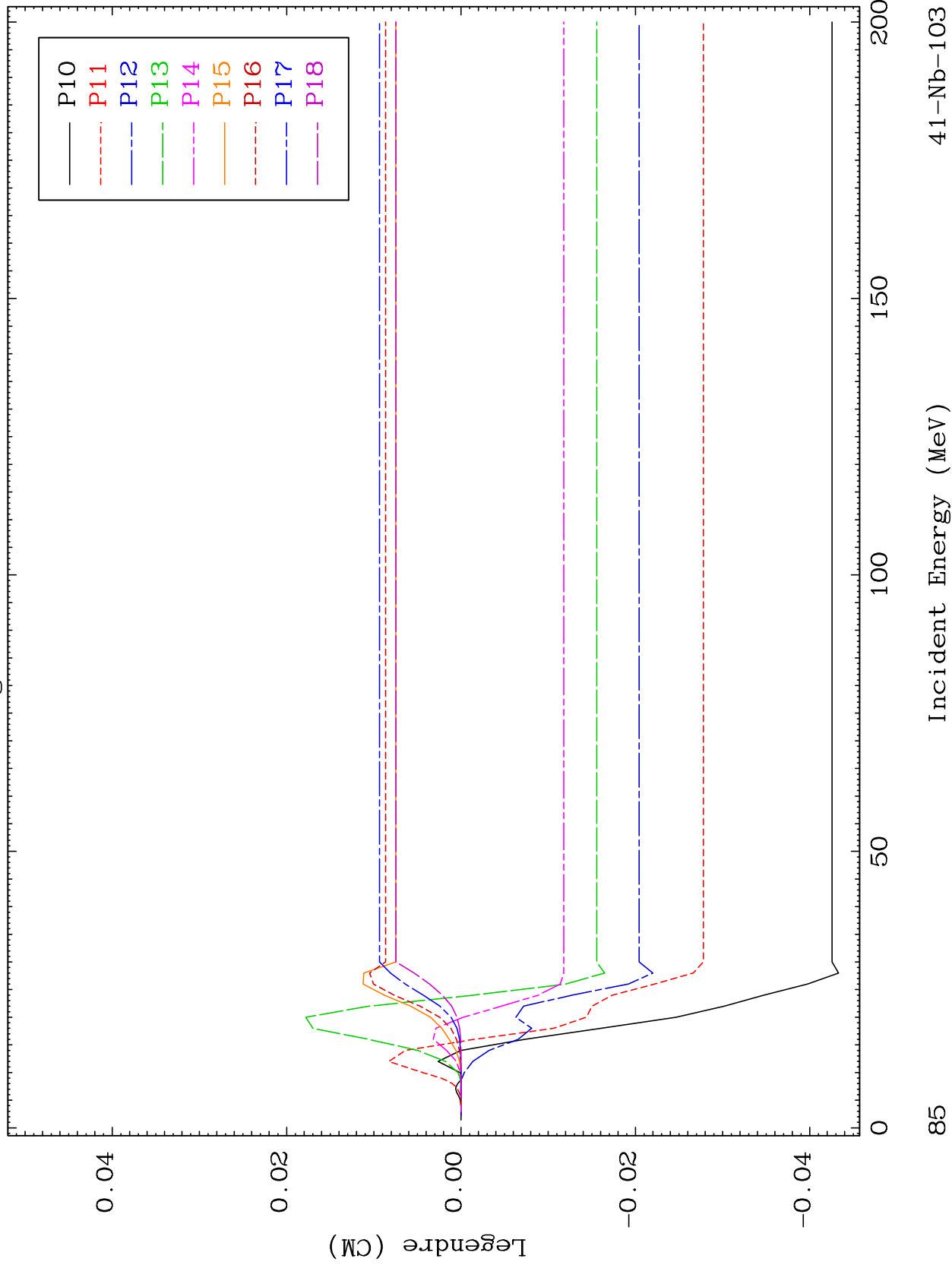
Incident Energy (MeV)

41-Nb-103

MAT 4155

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

41-Nb-103



41-Nb-103

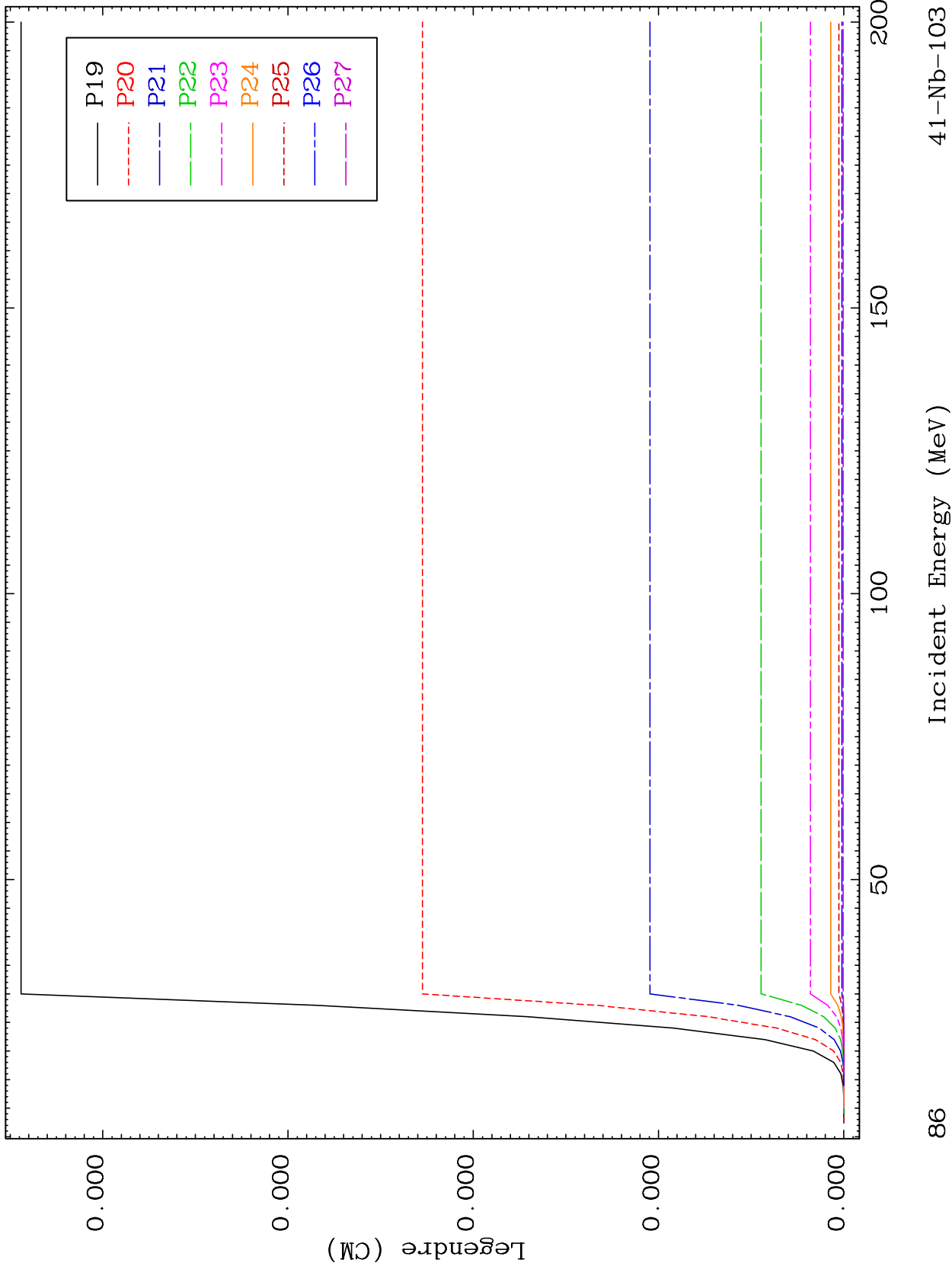
Incident Energy (MeV)

85

MAT 4155

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

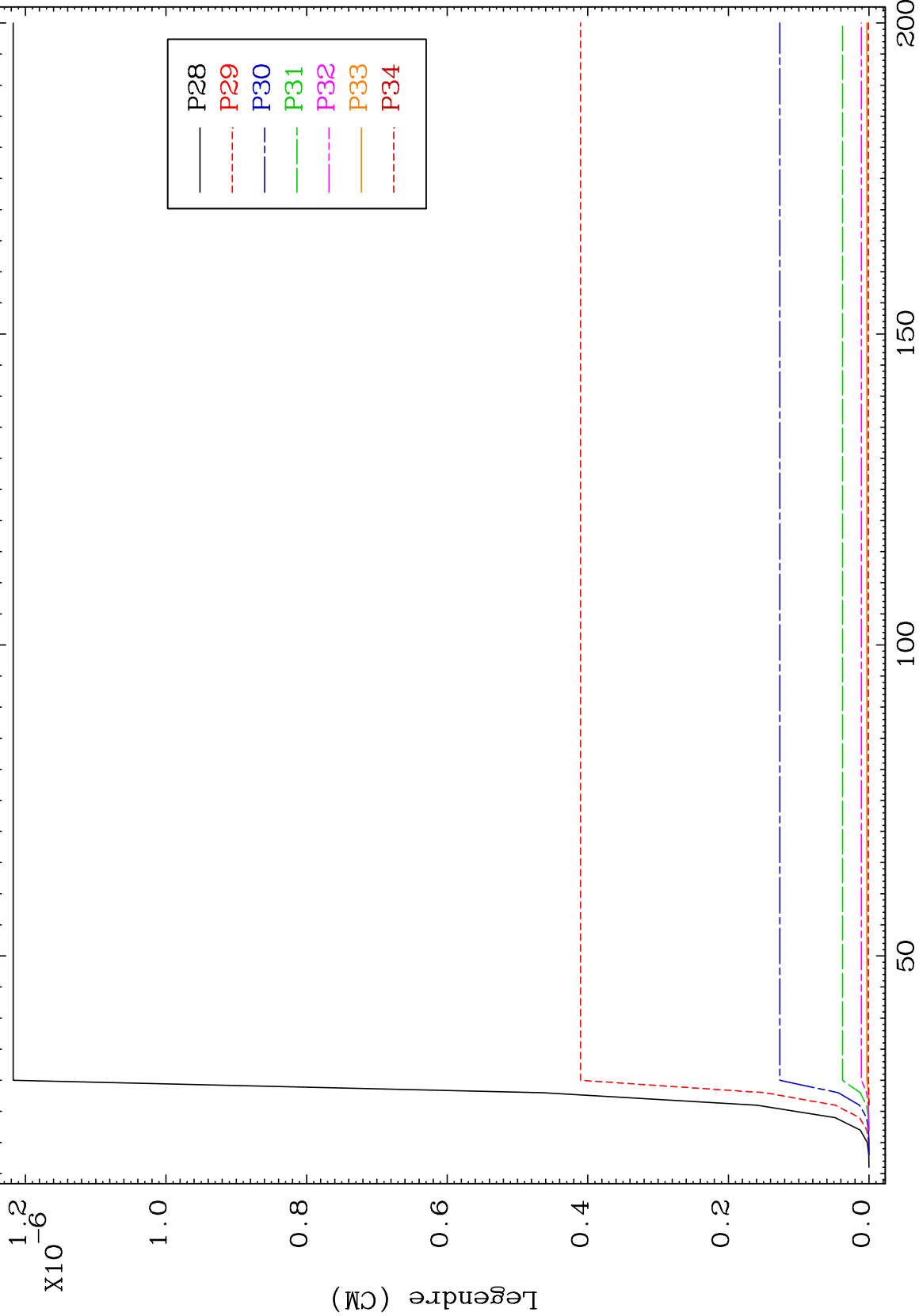
41-Nb-103



MAT 4155

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

41-Nb-103



87

Incident Energy (MeV)

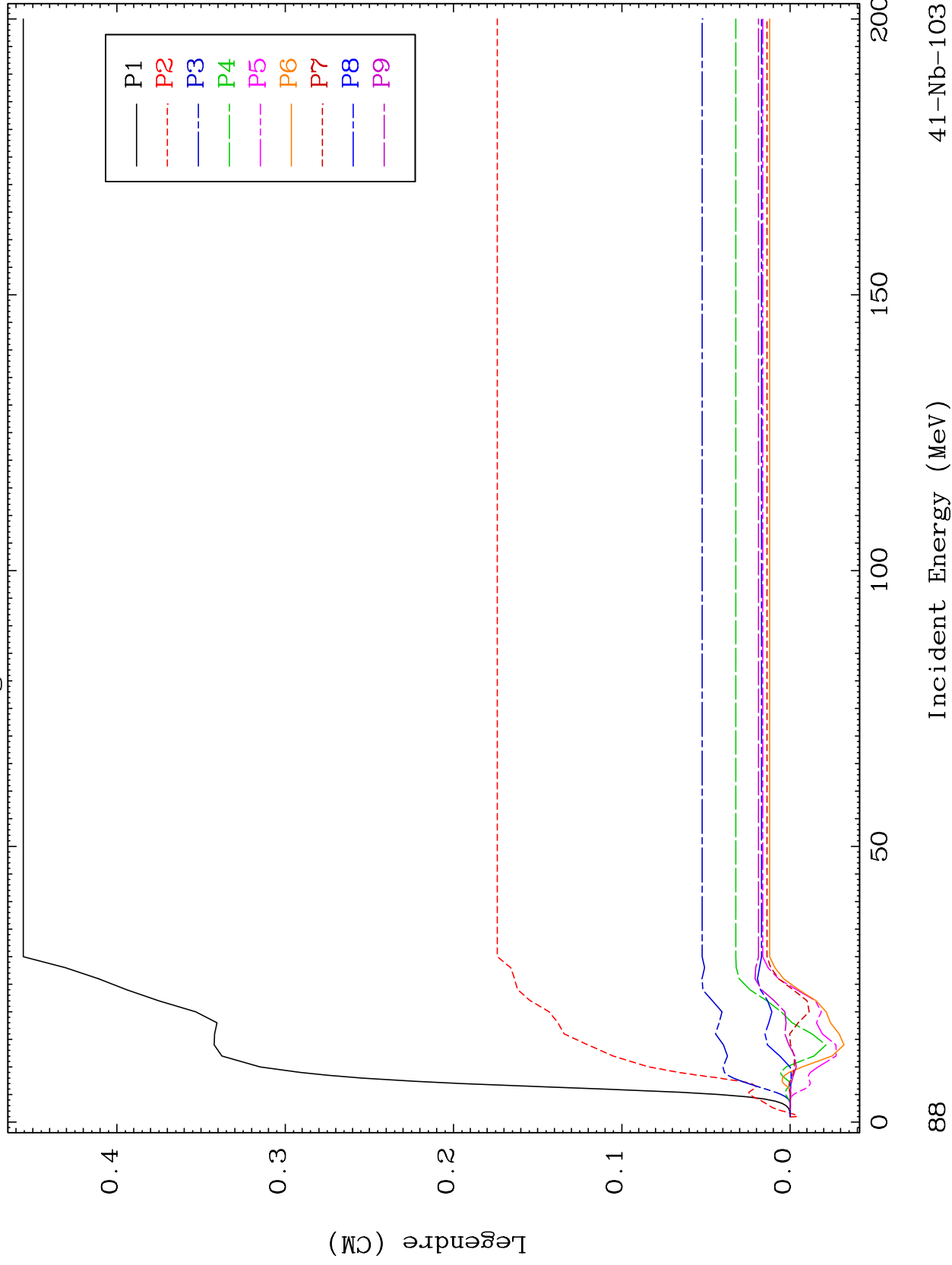
41-Nb-103



MAT 4155

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

41-Nb-103



88

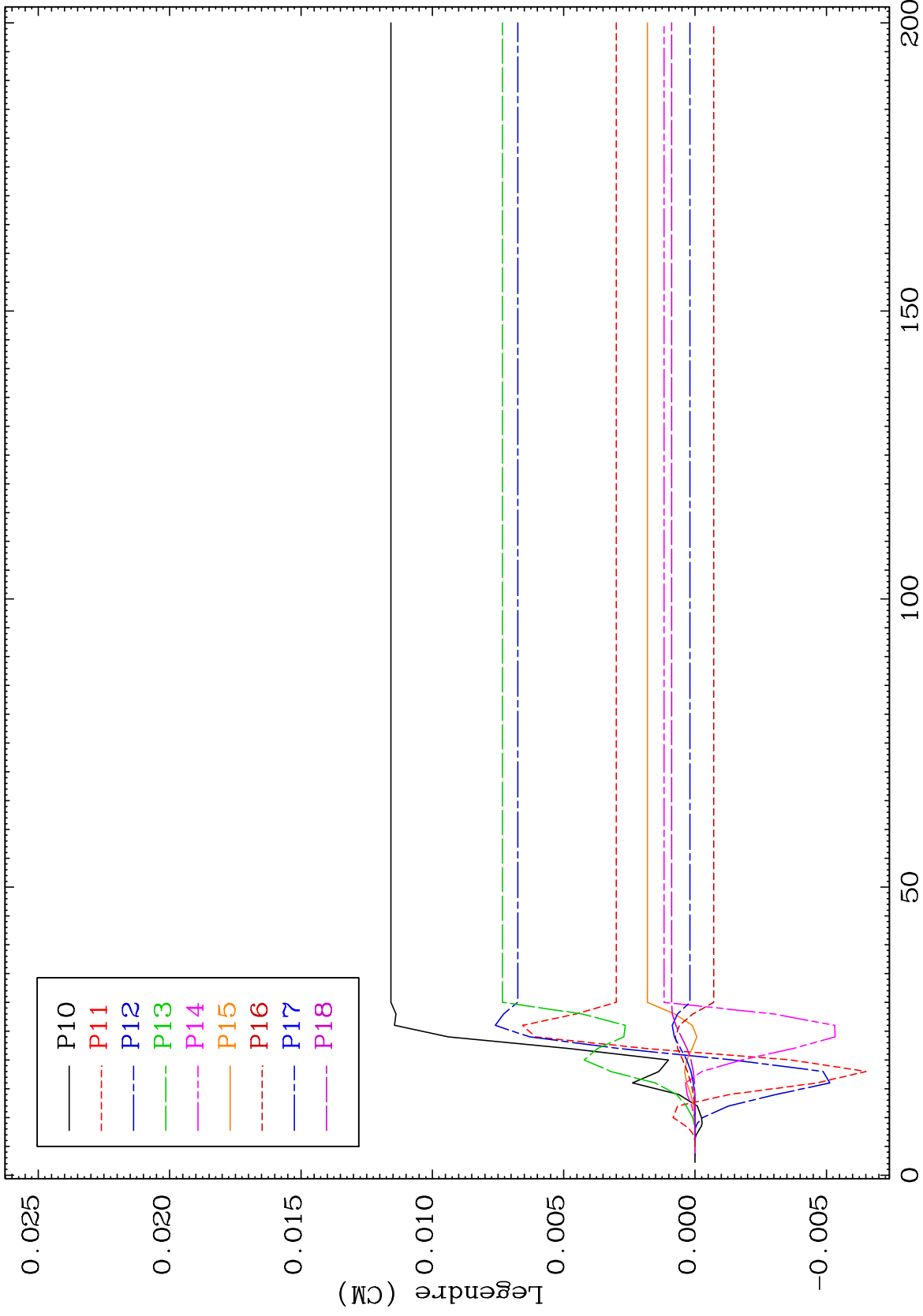
Incident Energy (MeV)

41-Nb-103

MAT 4155

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

41-Nb-103



89

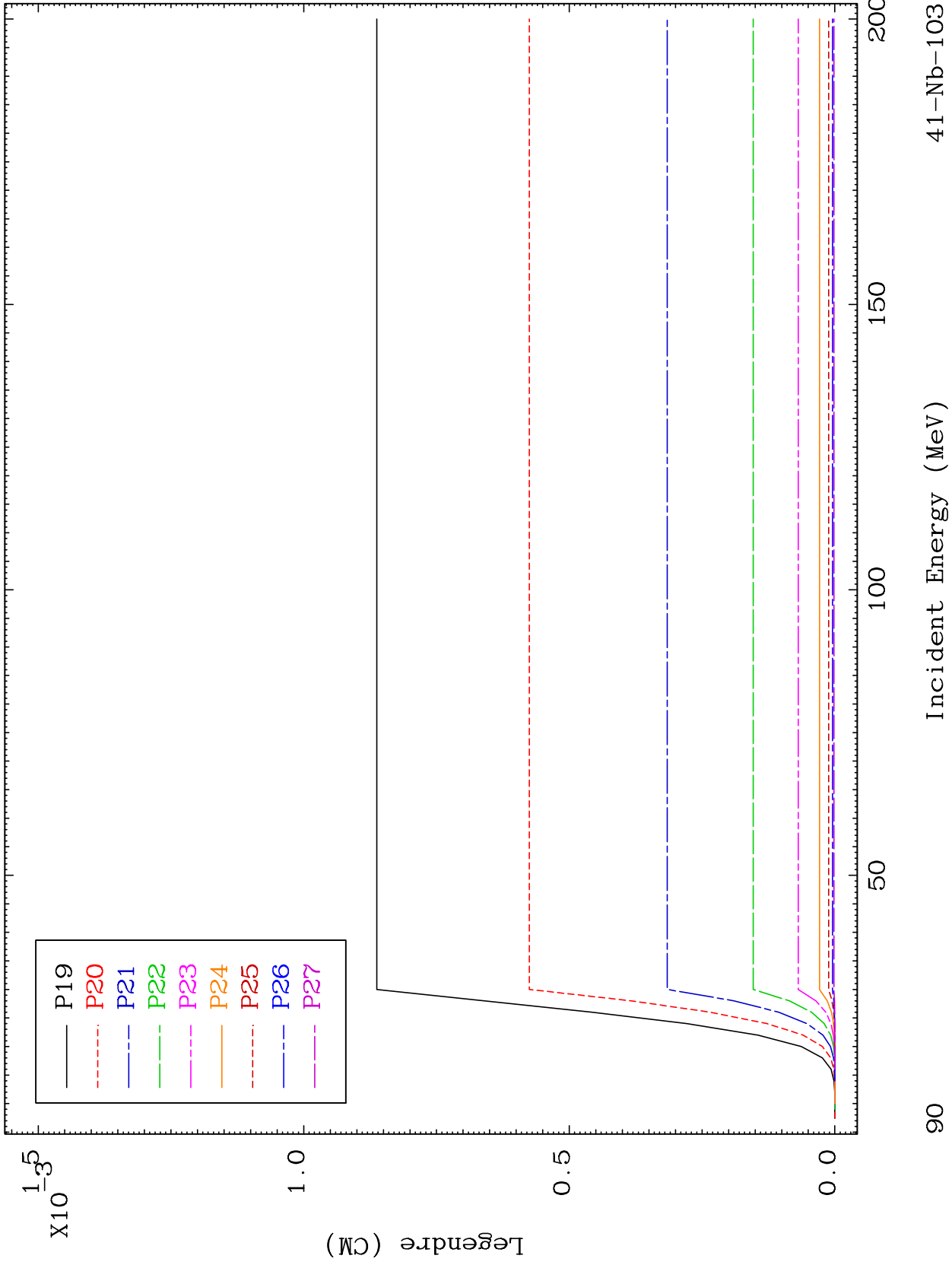
Incident Energy (MeV)

41-Nb-103

MAT 4155

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

41-Nb-103



90

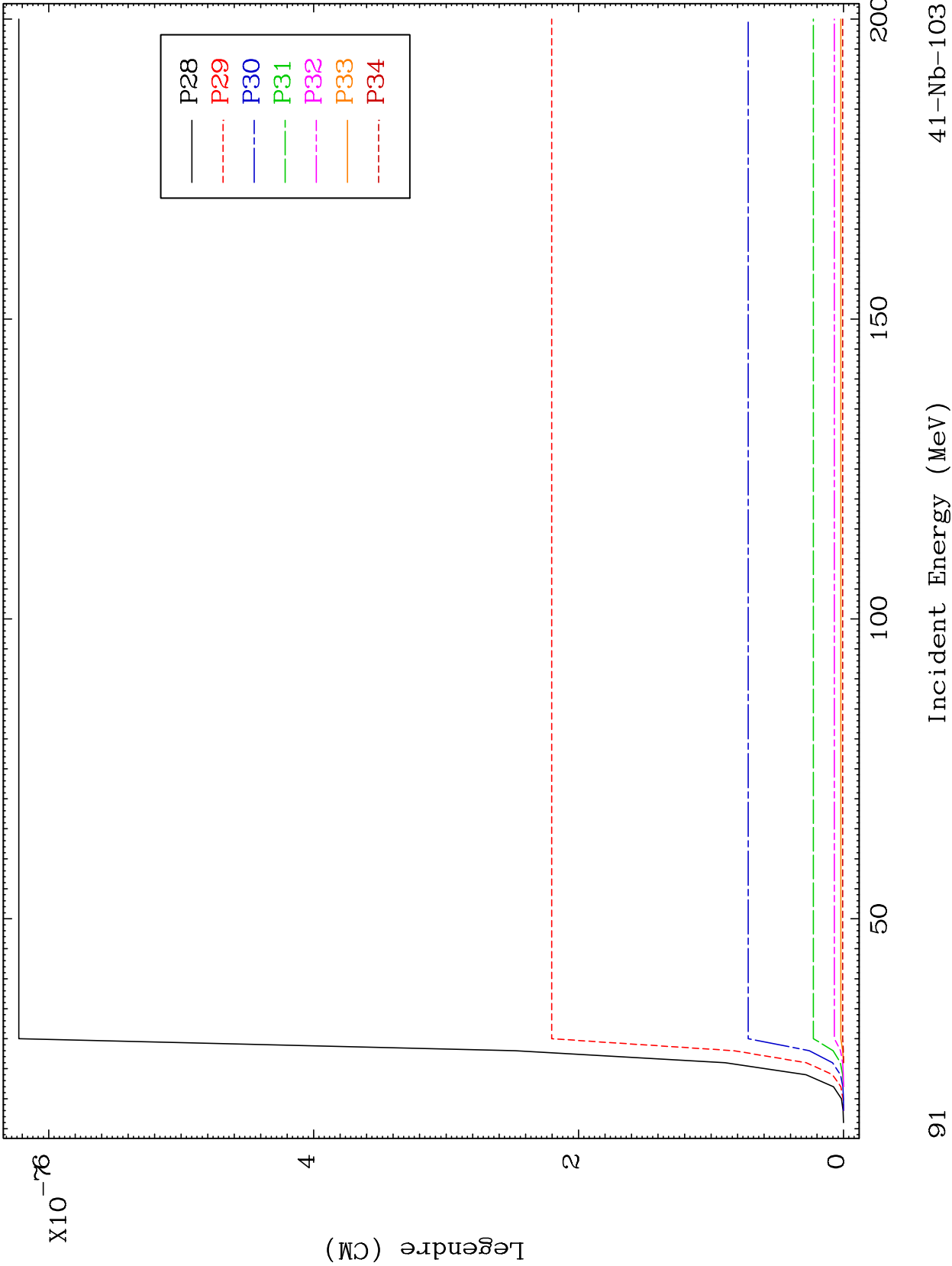
Incident Energy (MeV)

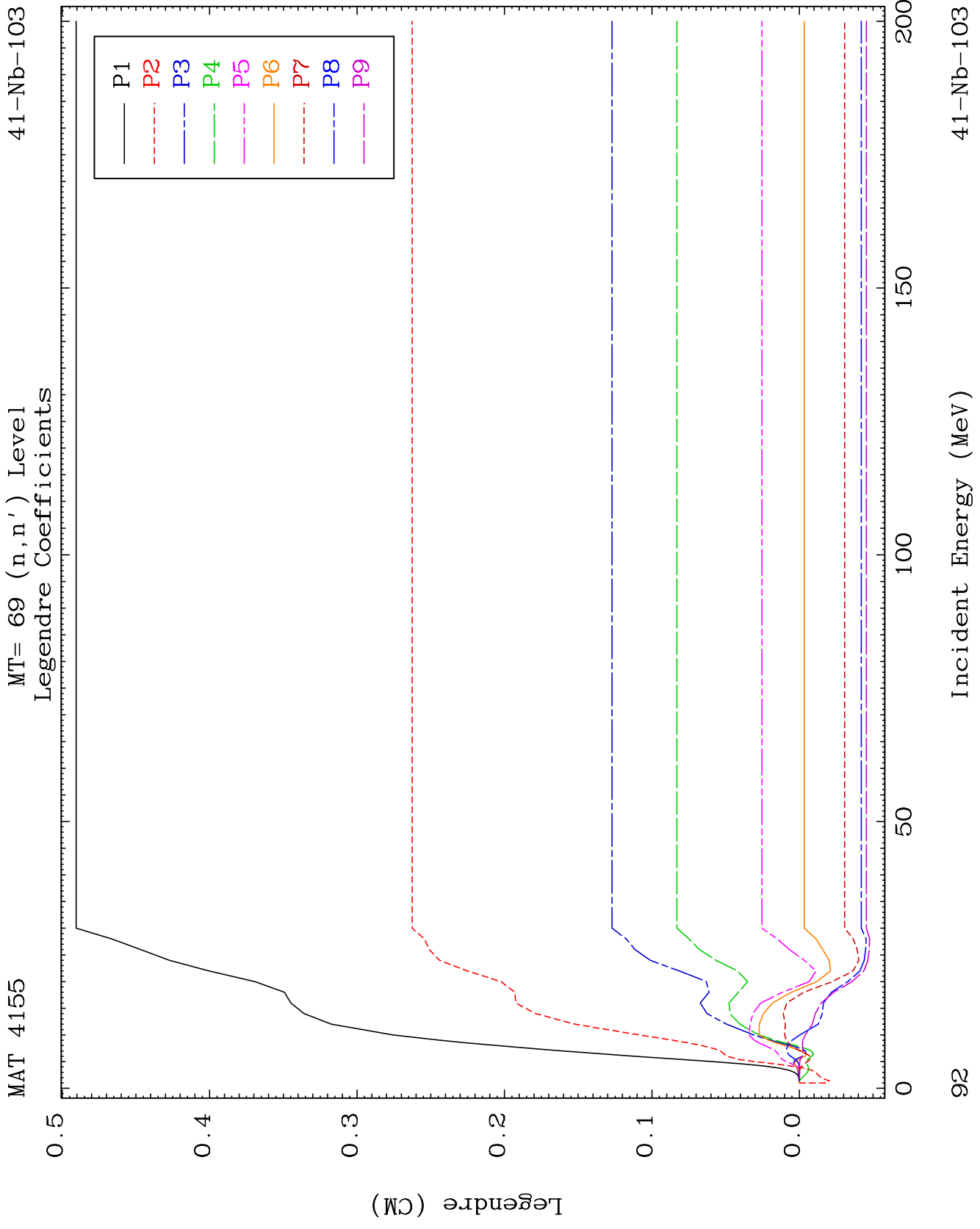
41-Nb-103

MAT 4155

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

41-Nb-103

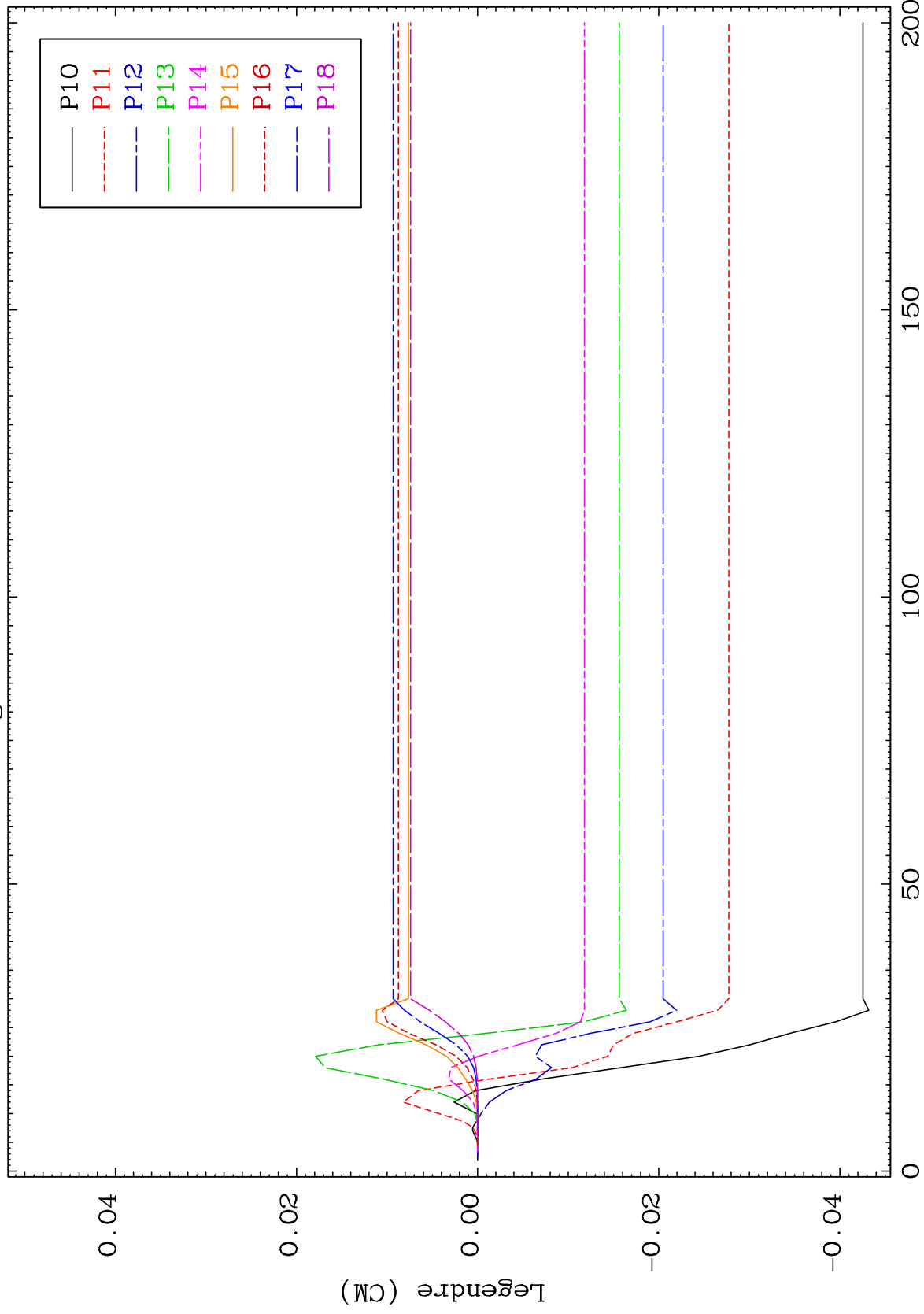




MAT 4155

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

41-Nb-103



93

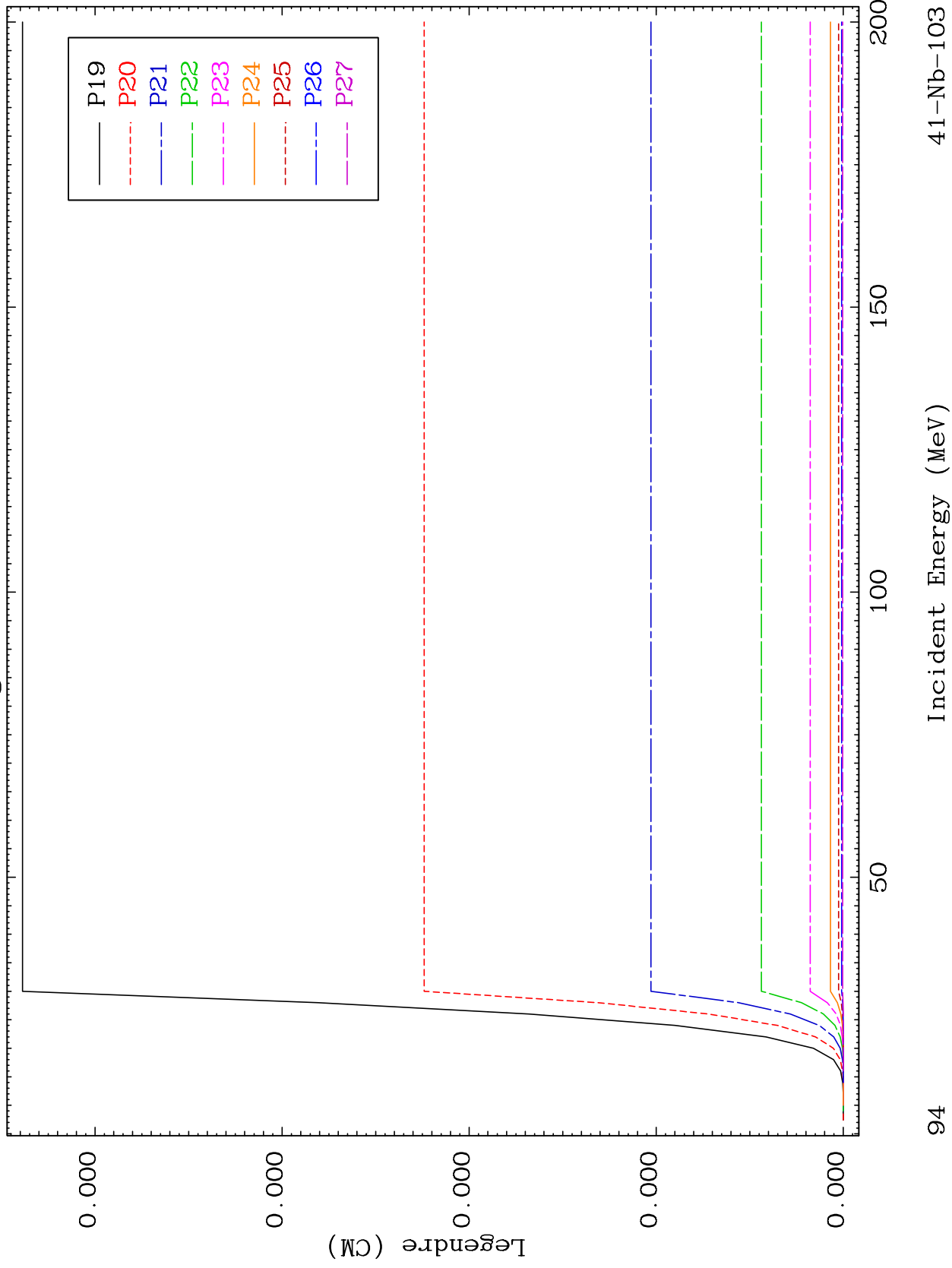
Incident Energy (MeV)

41-Nb-103

MAT 4155

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

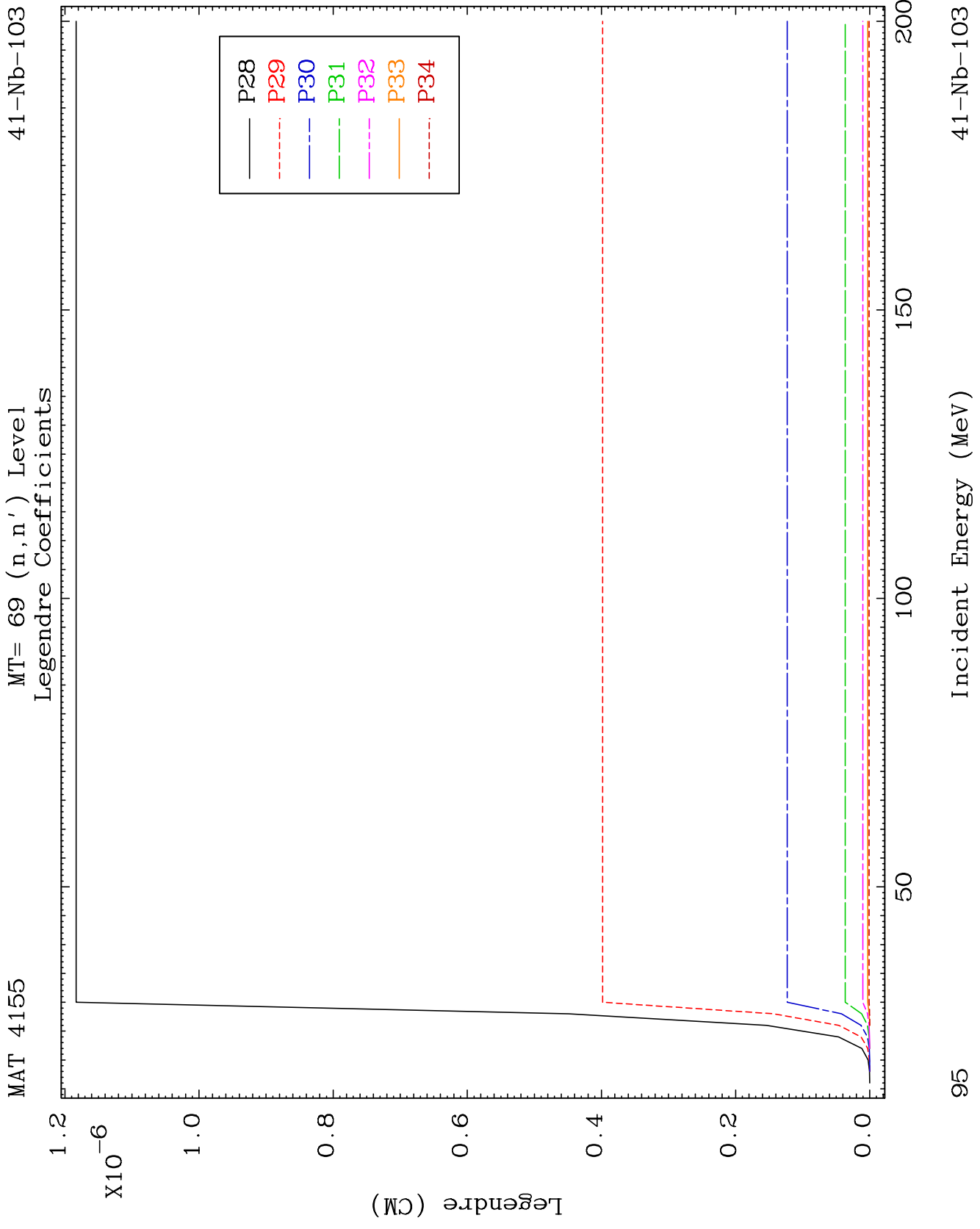
41-Nb-103



94

Incident Energy (MeV)

41-Nb-103

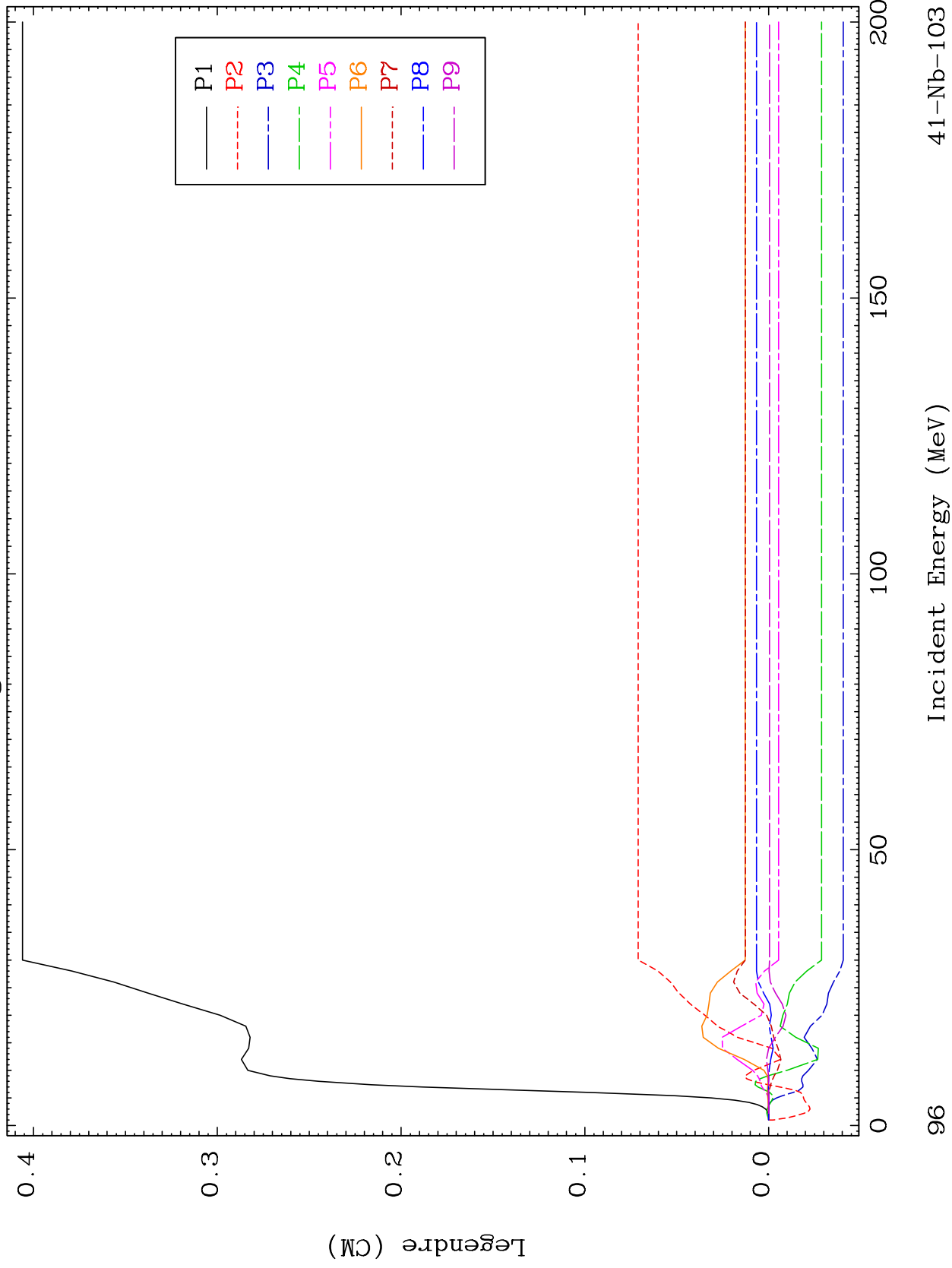




MAT 4155

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

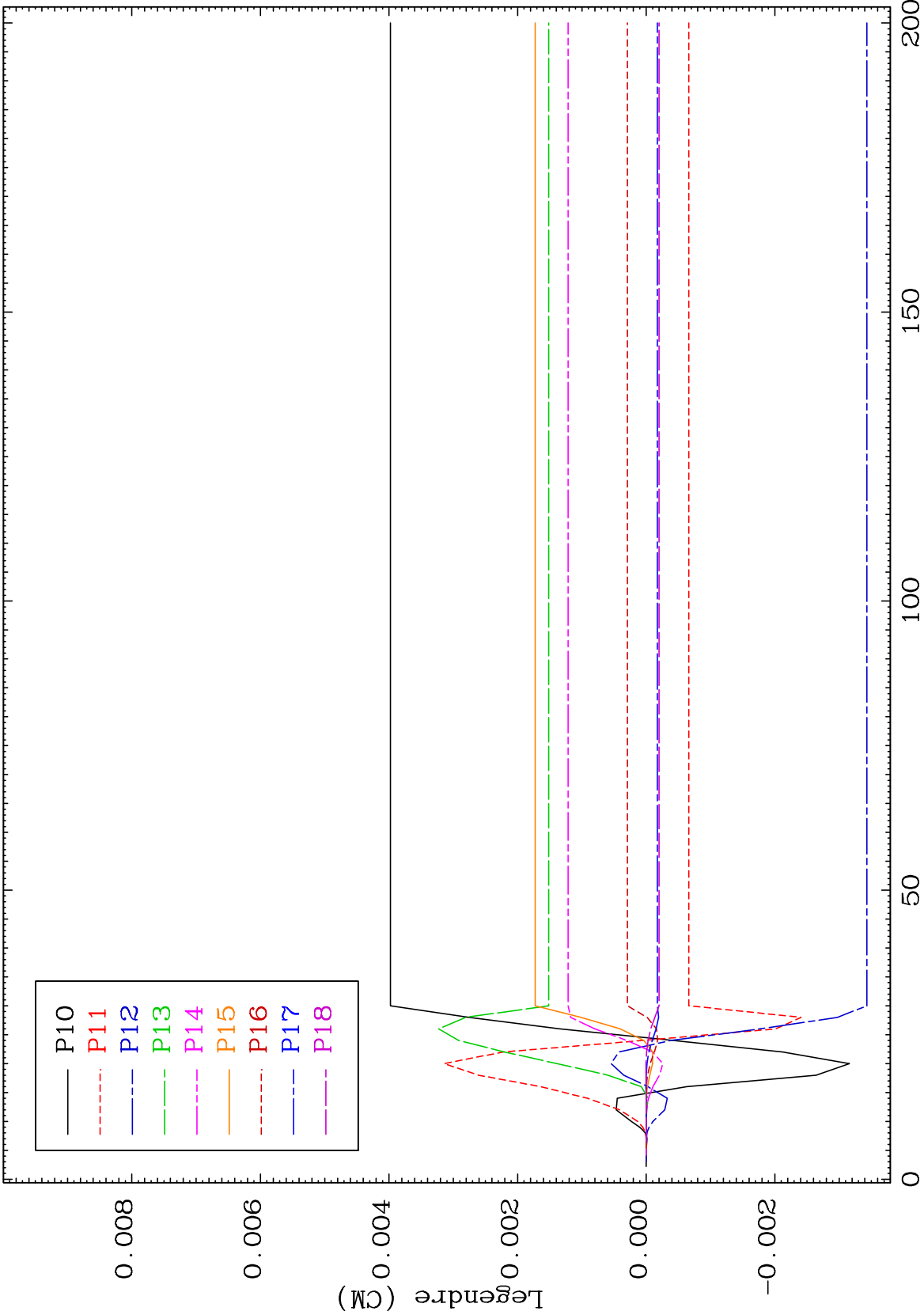
41-Nb-103



96

Incident Energy (MeV)

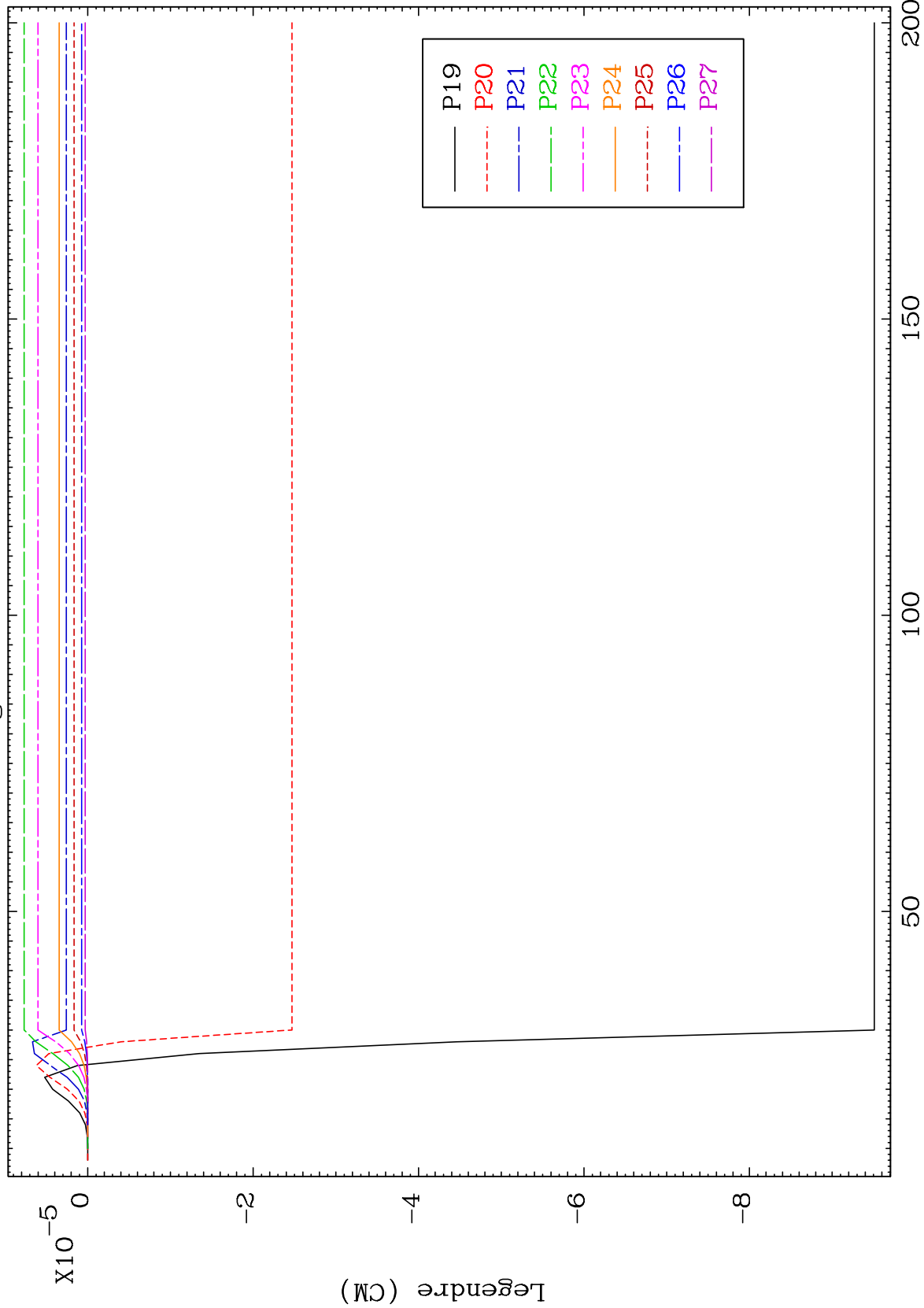
41-Nb-103



MAT 4155

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

41-Nb-103



98

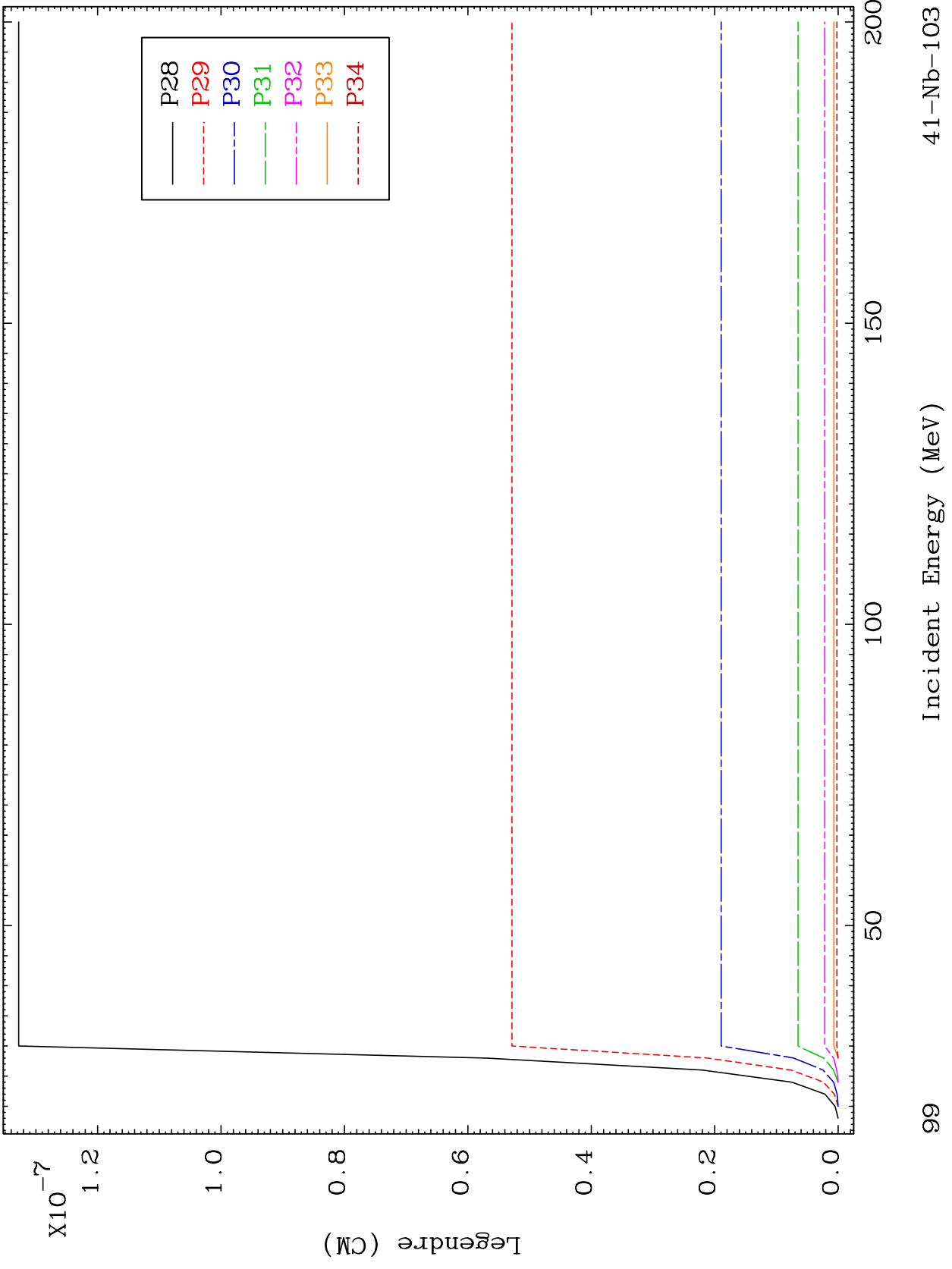
Incident Energy (MeV)

41-Nb-103

MAT 4155

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

41-Nb-103



99

Incident Energy (MeV)

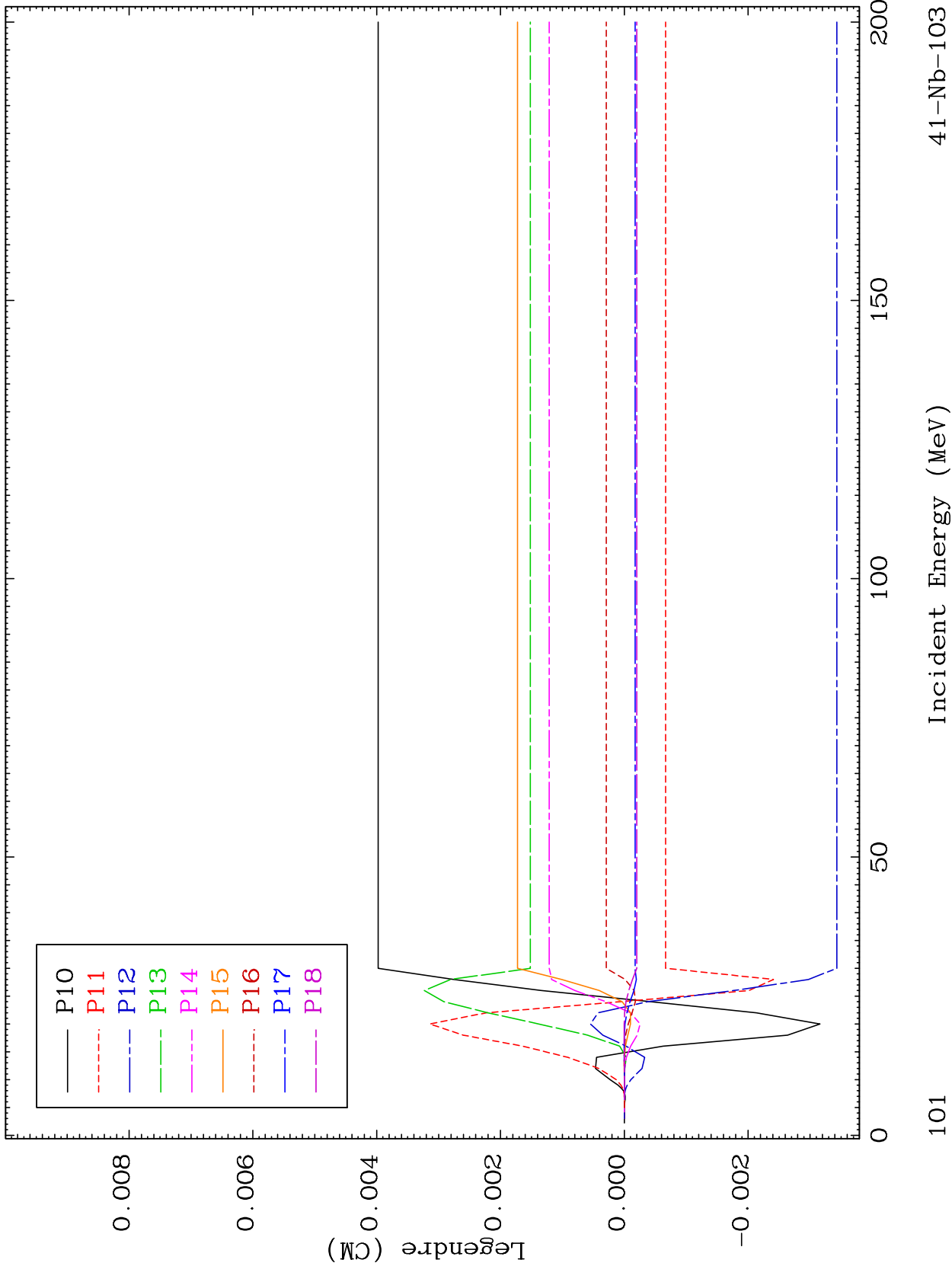
41-Nb-103



MAT 4155

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

41-Nb-103



101

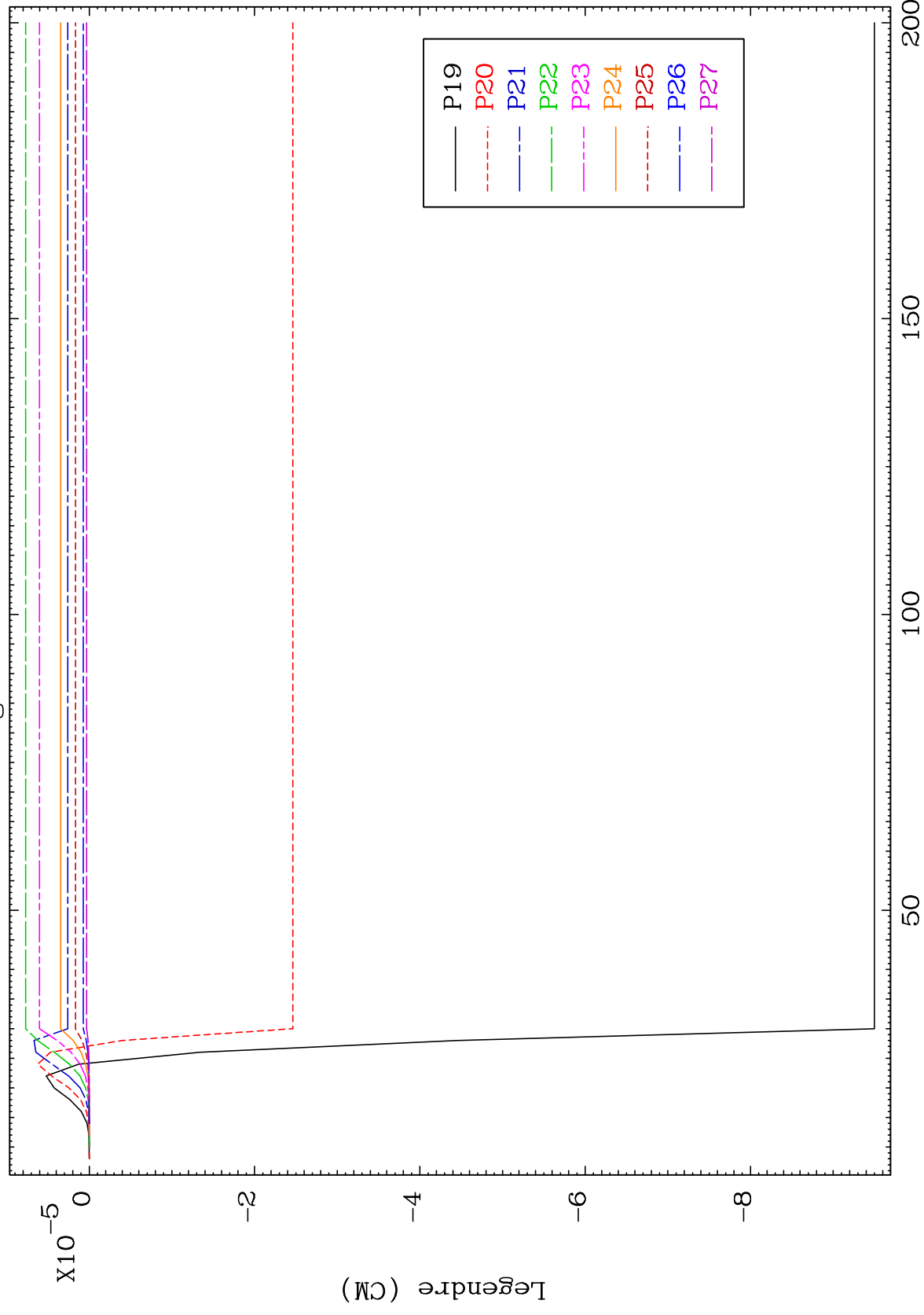
Incident Energy (MeV)

41-Nb-103

MAT 4155

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

41-Nb-103



102

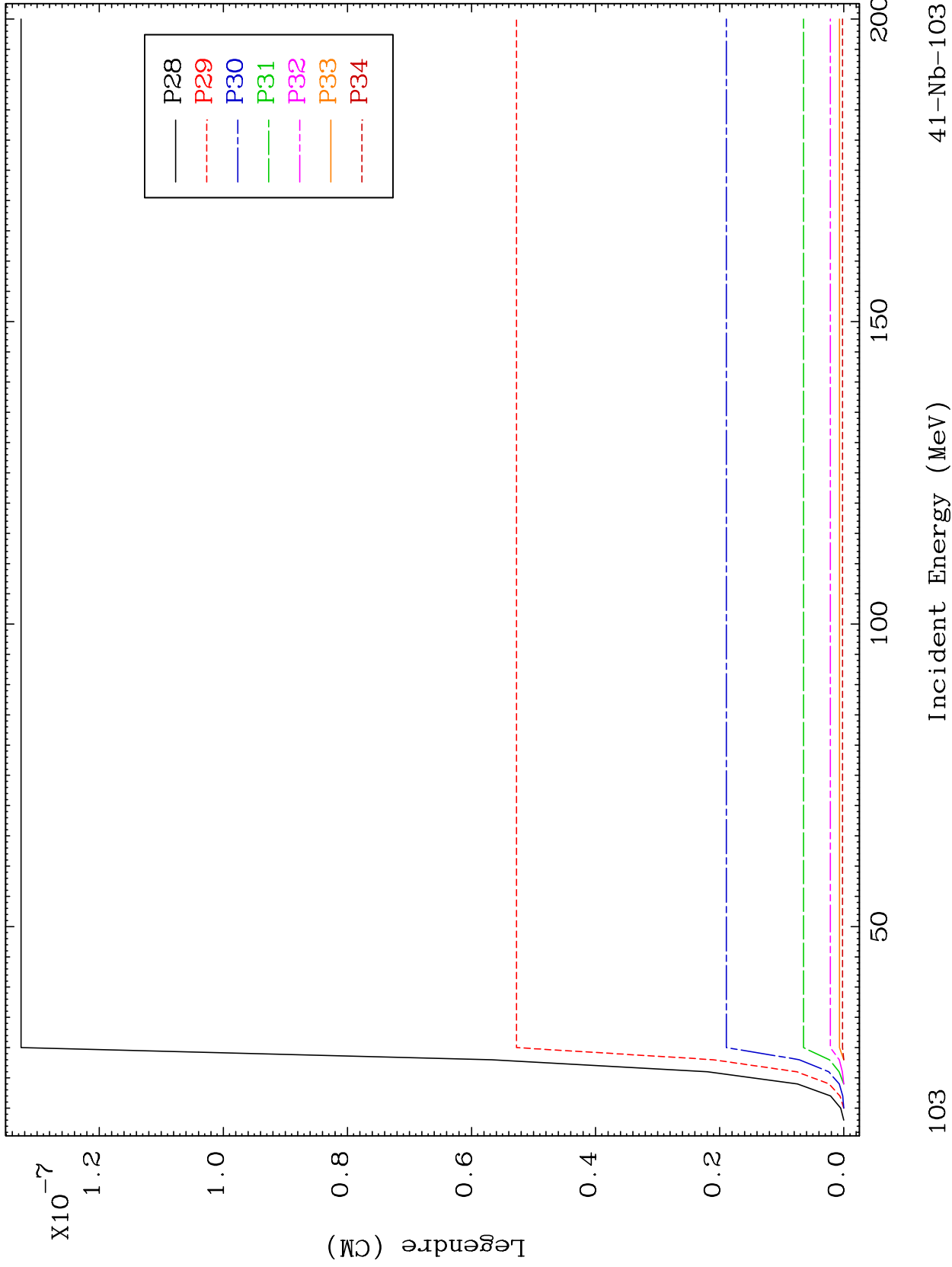
Incident Energy (MeV)

41-Nb-103

MAT 4155

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

41-Nb-103

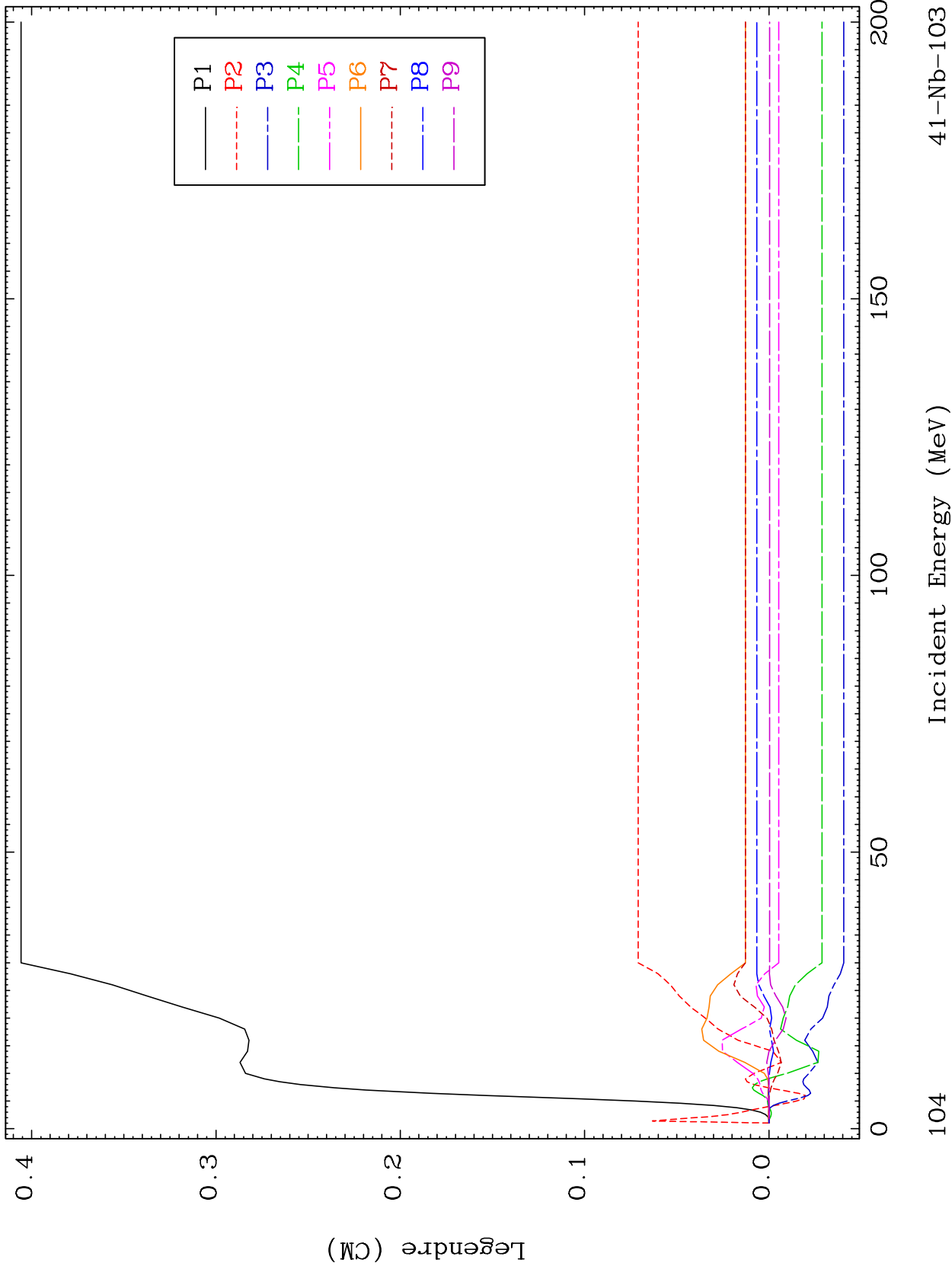




MAT 4155

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

41-Nb-103



104

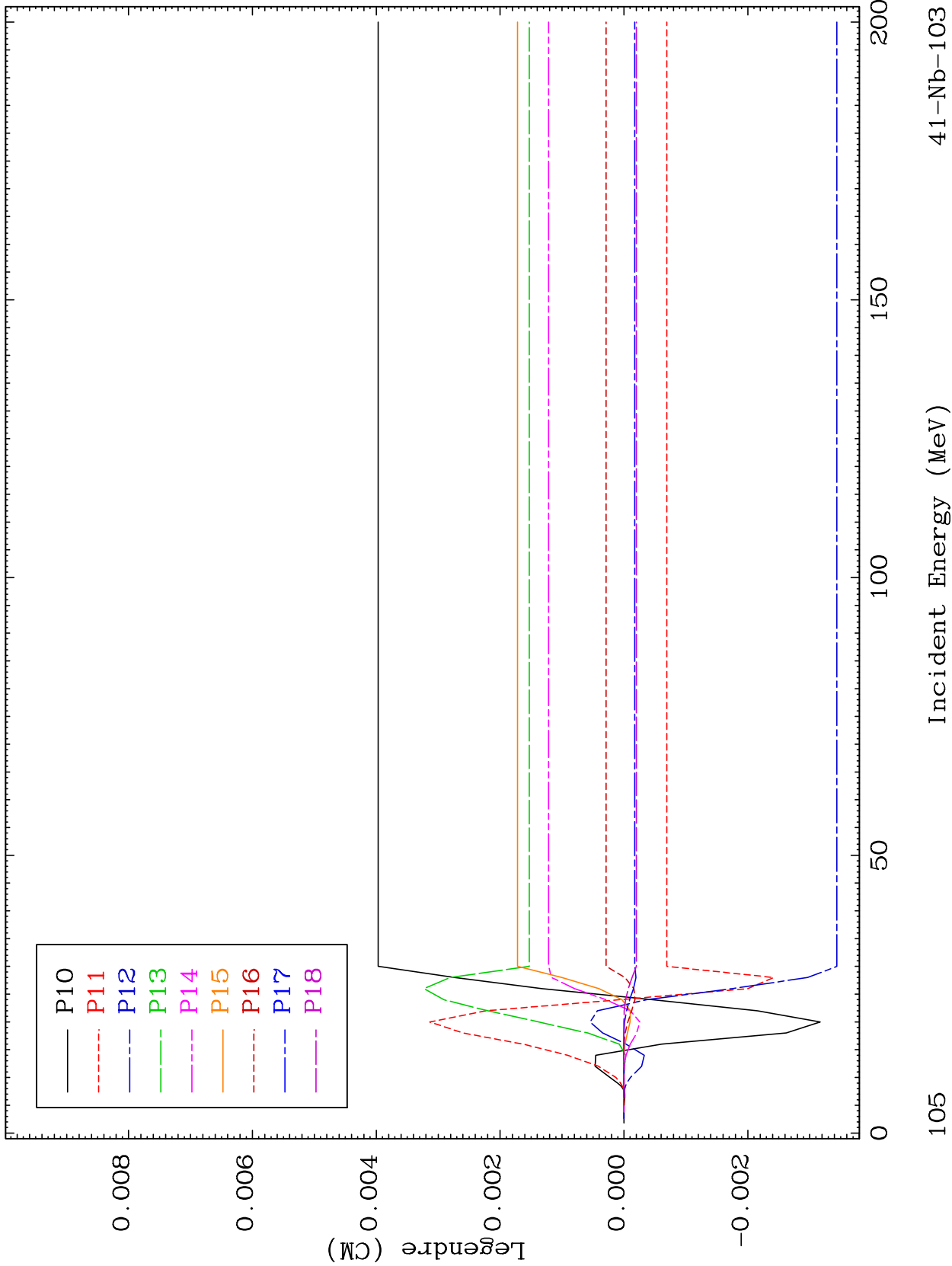
Incident Energy (MeV)

41-Nb-103

MAT 4155

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

41-Nb-103



41-Nb-103

Incident Energy (MeV)

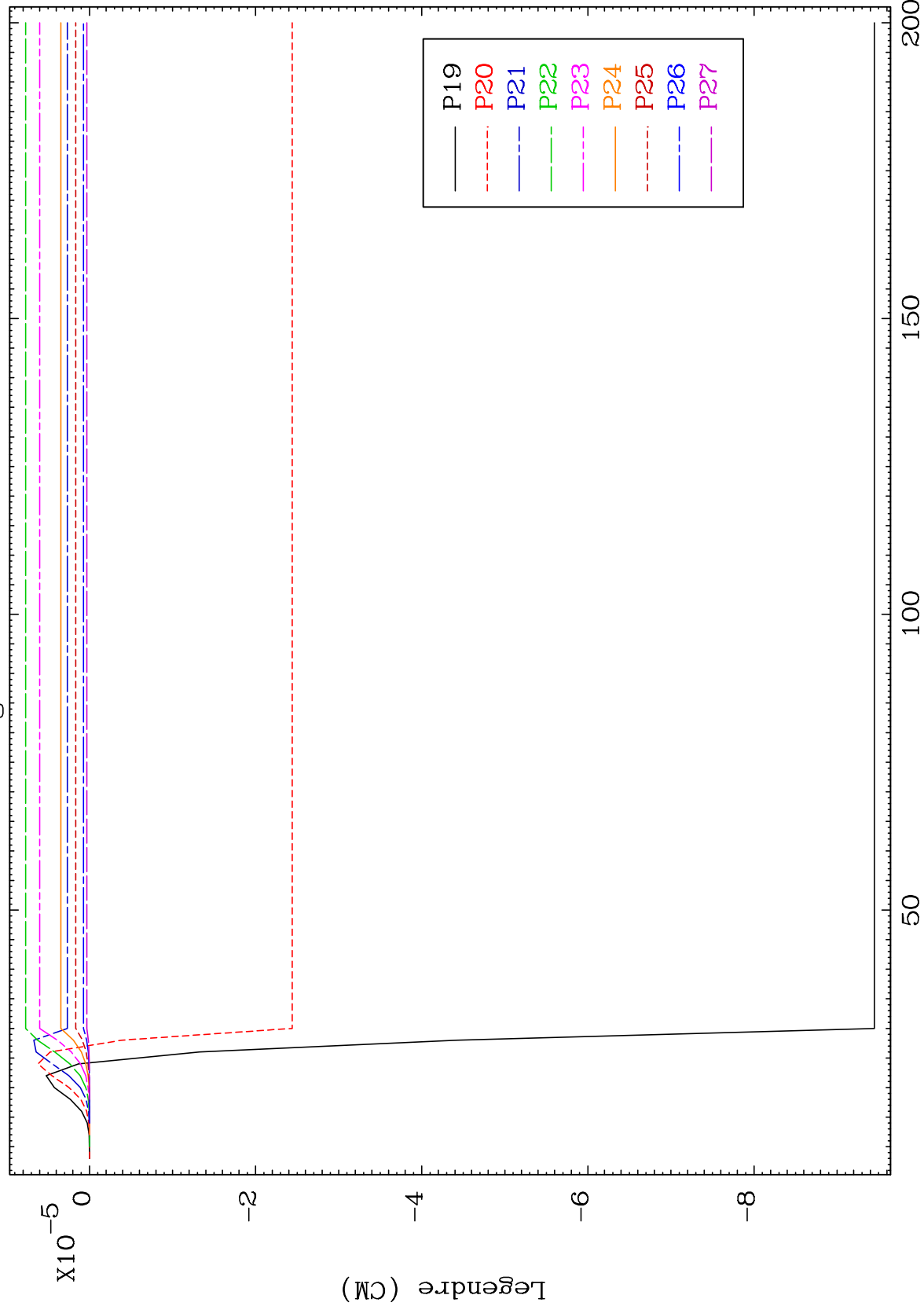
105

MAT 4155

MT= 72 (n,n') Level

41-Nb-103

Legendre Coefficients



106

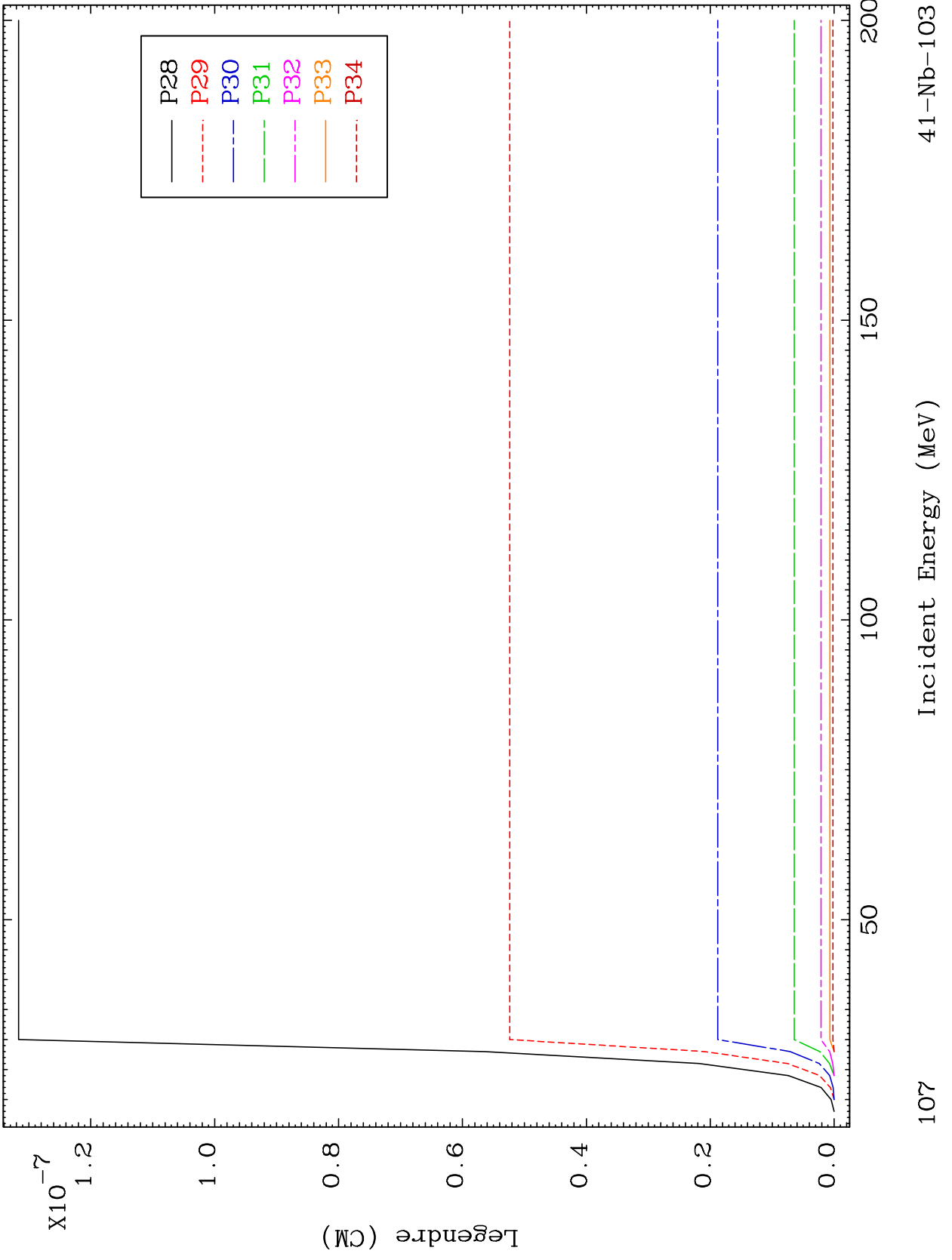
Incident Energy (MeV)

41-Nb-103

MAT 4155

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

41-Nb-103

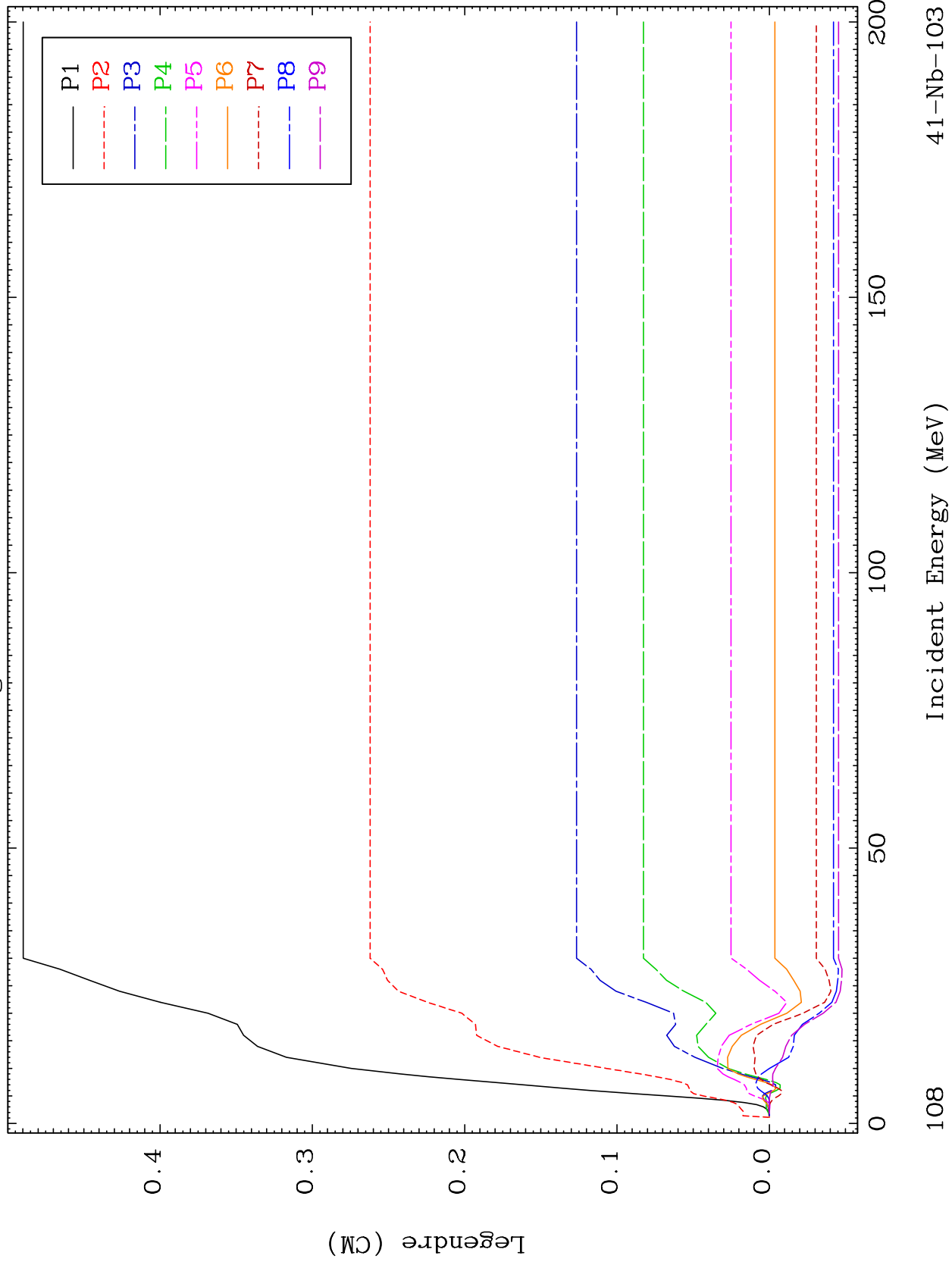


107

MAT 4155

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

41-Nb-103



41-Nb-103

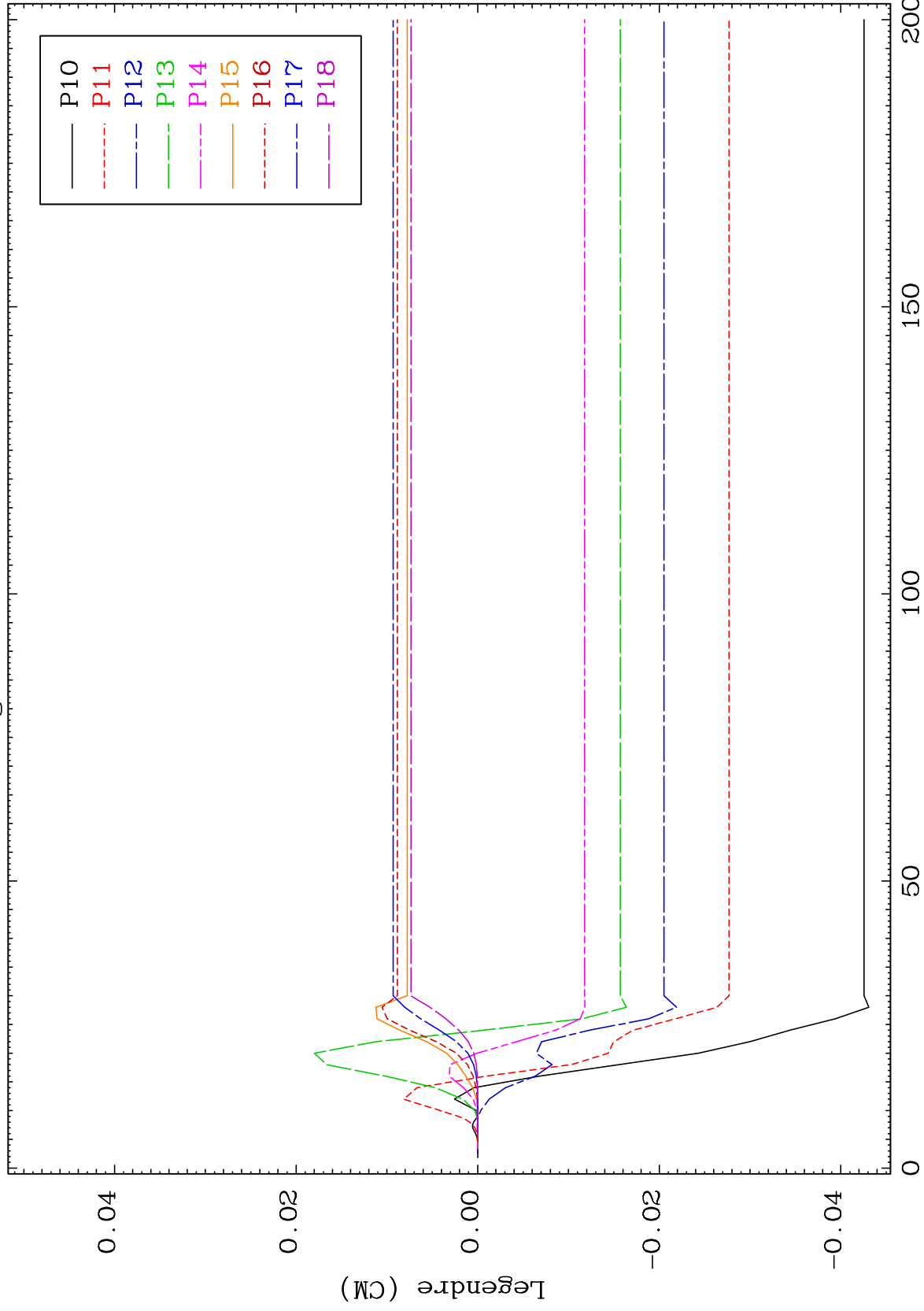
Incident Energy (MeV)

108

MAT 4155

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

41-Nb-103



109

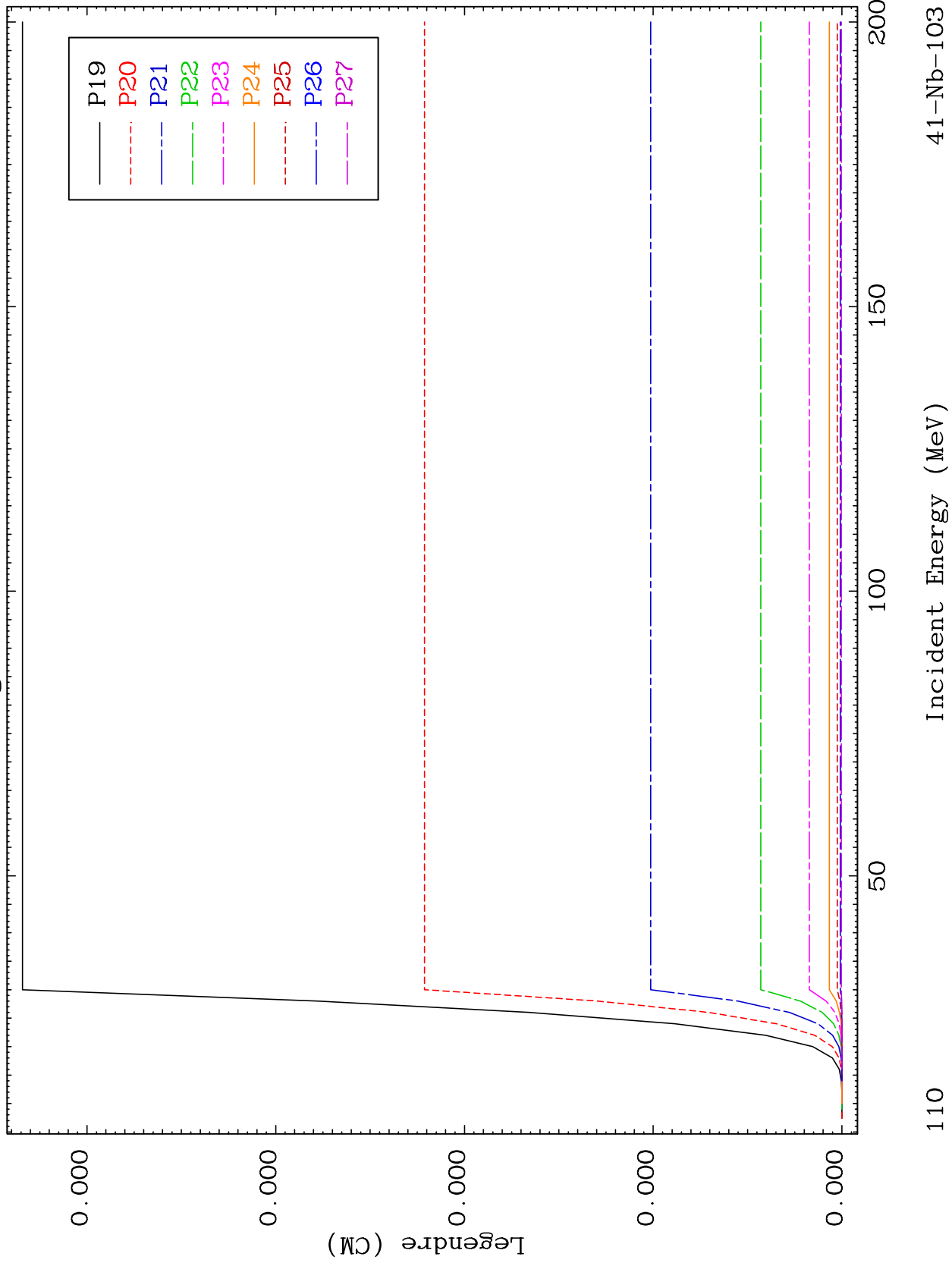
Incident Energy (MeV)

41-Nb-103

MAT 4155

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

41-Nb-103



110

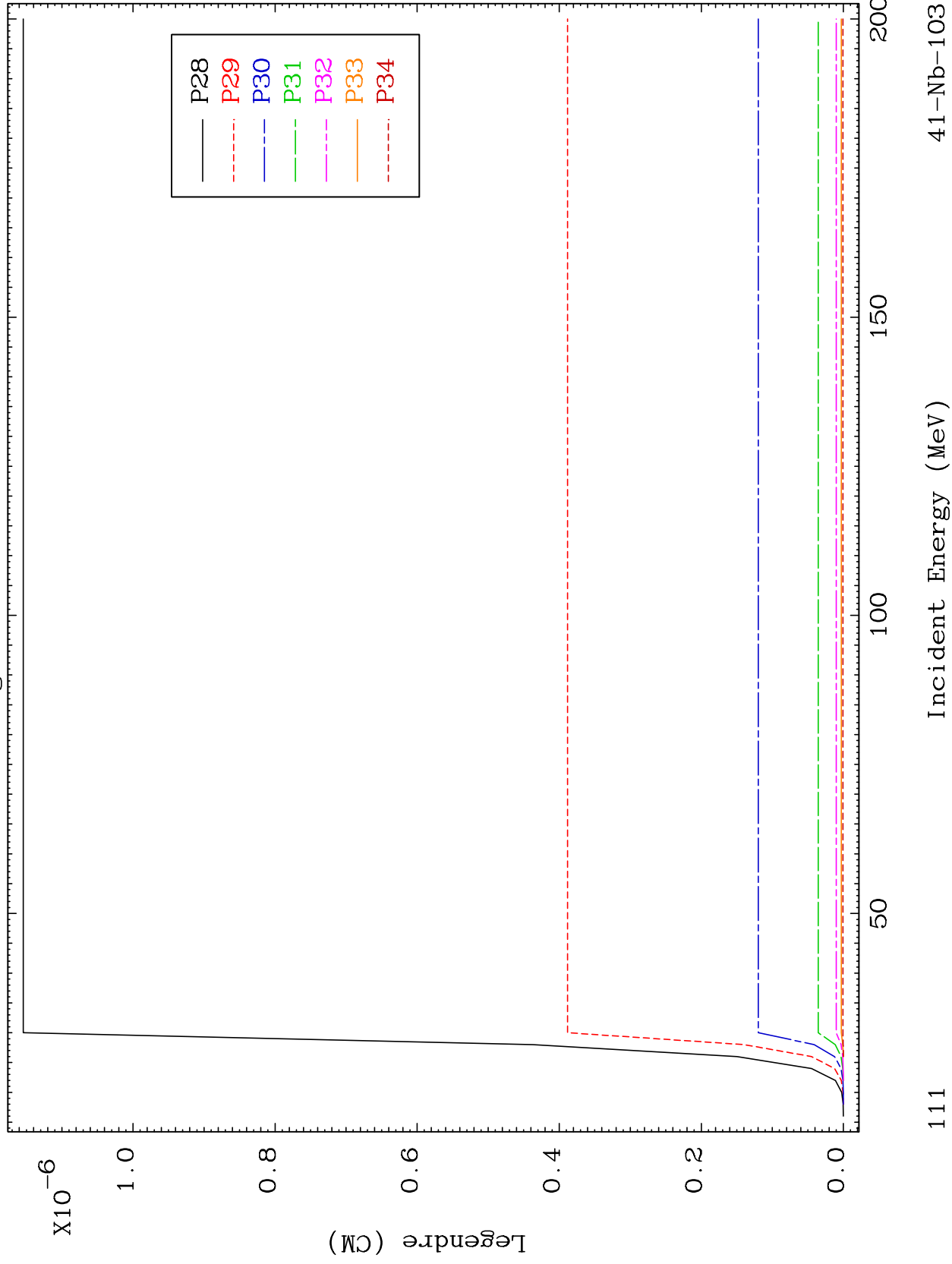
Incident Energy (MeV)

41-Nb-103

MAT 4155

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

41-Nb-103

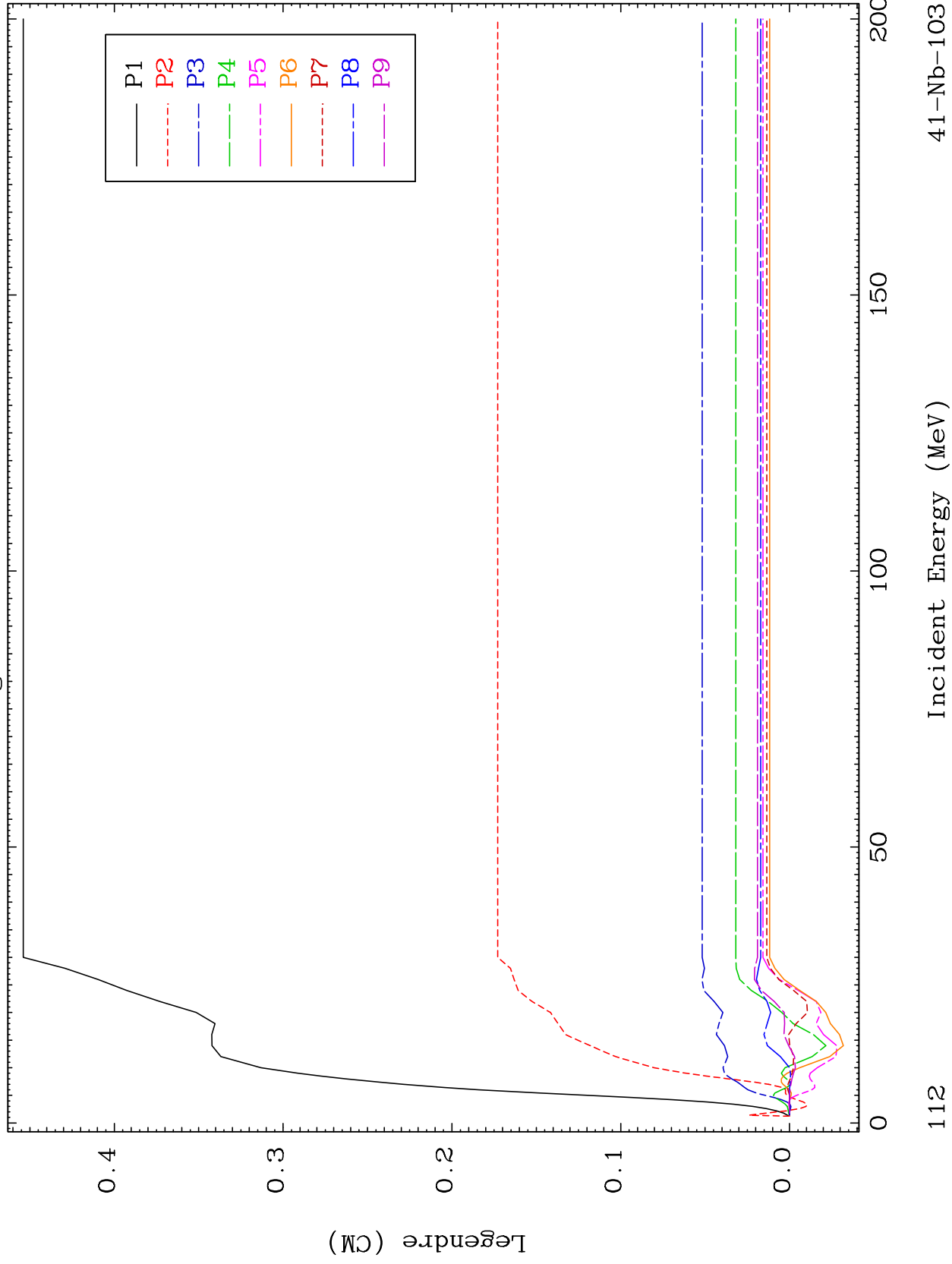




MAT 4155

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

41-Nb-103



41-Nb-103

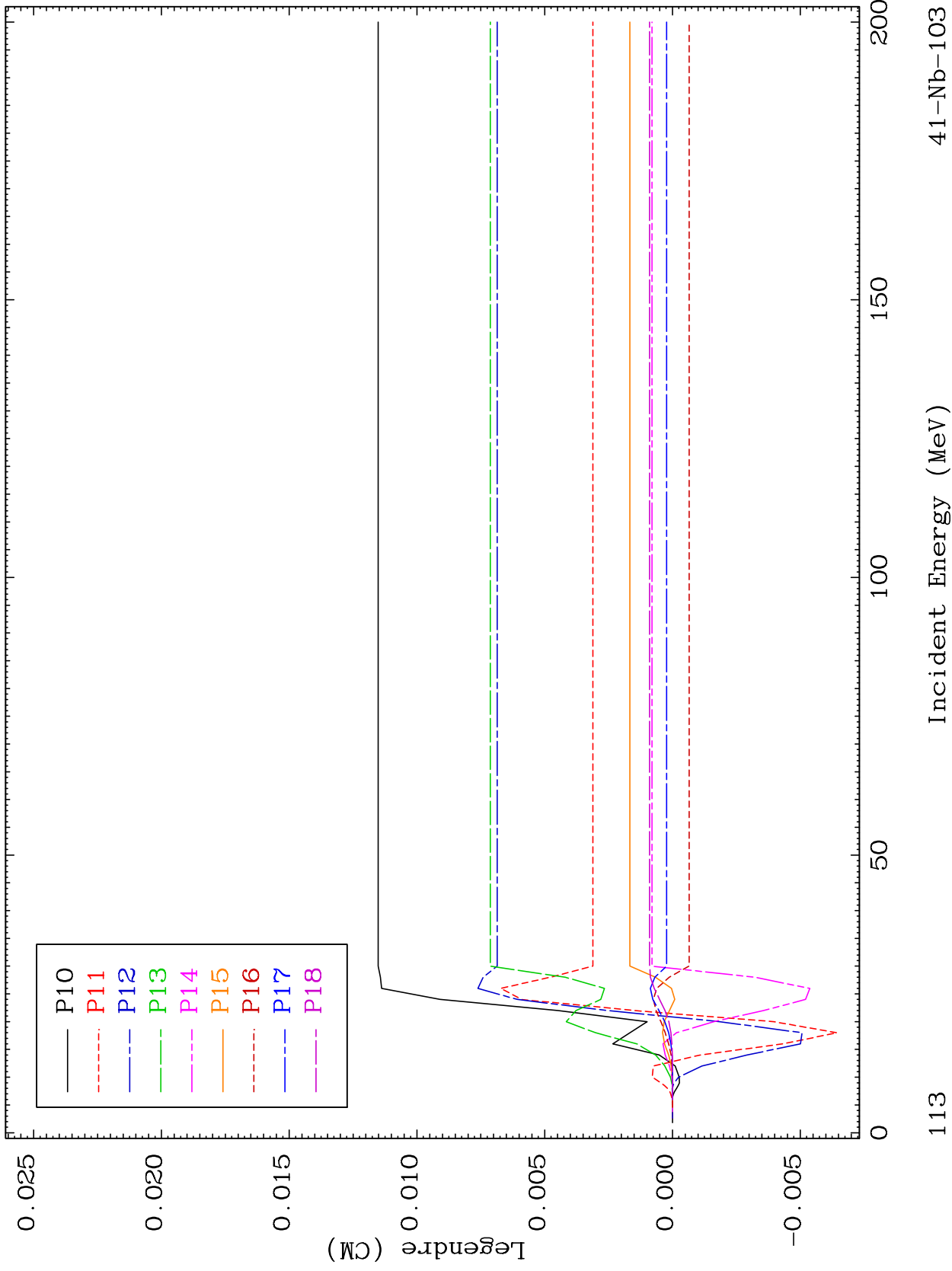
Incident Energy (MeV)

112

MAT 4155

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

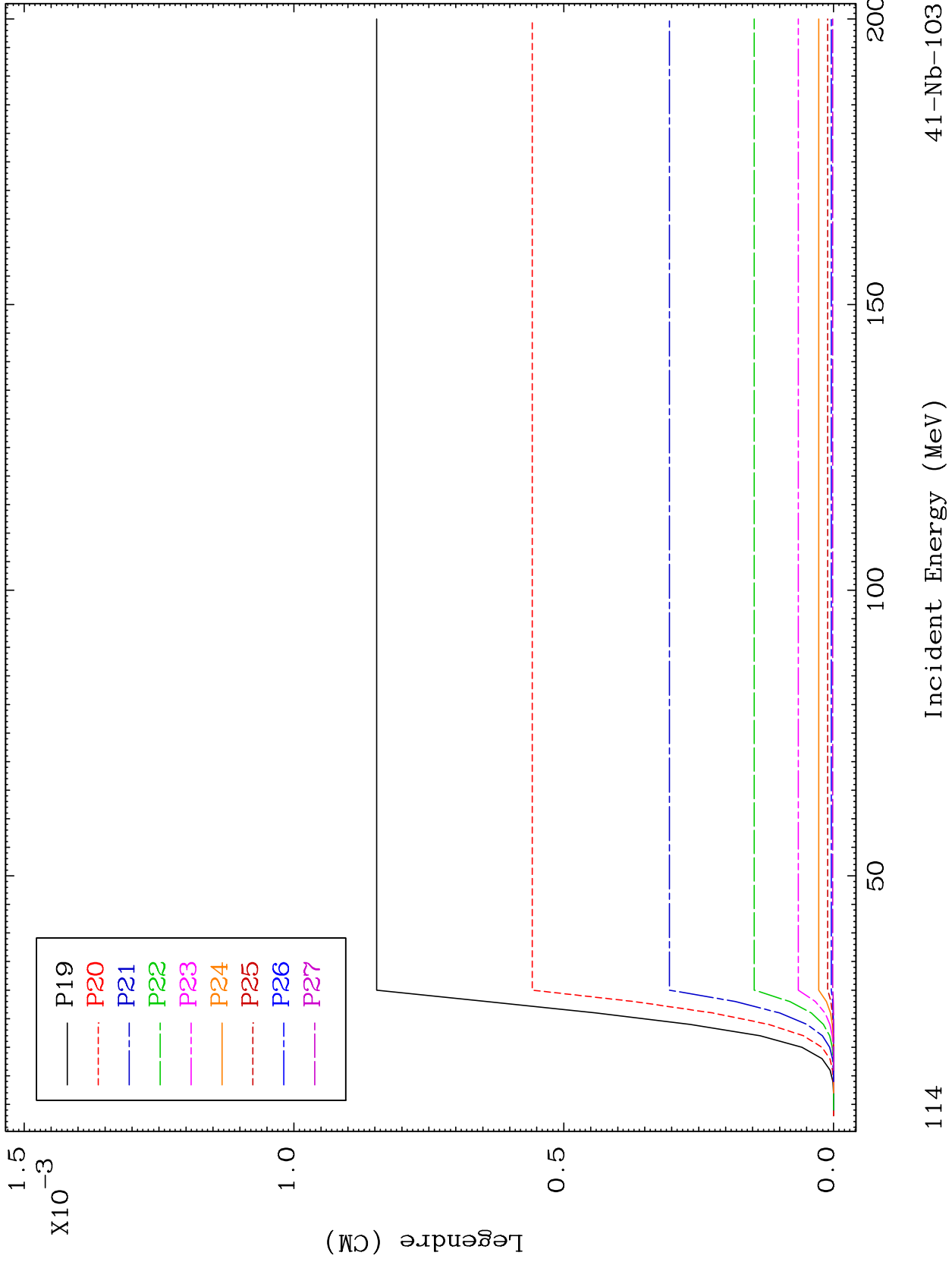
41-Nb-103



MAT 4155

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

41-Nb-103

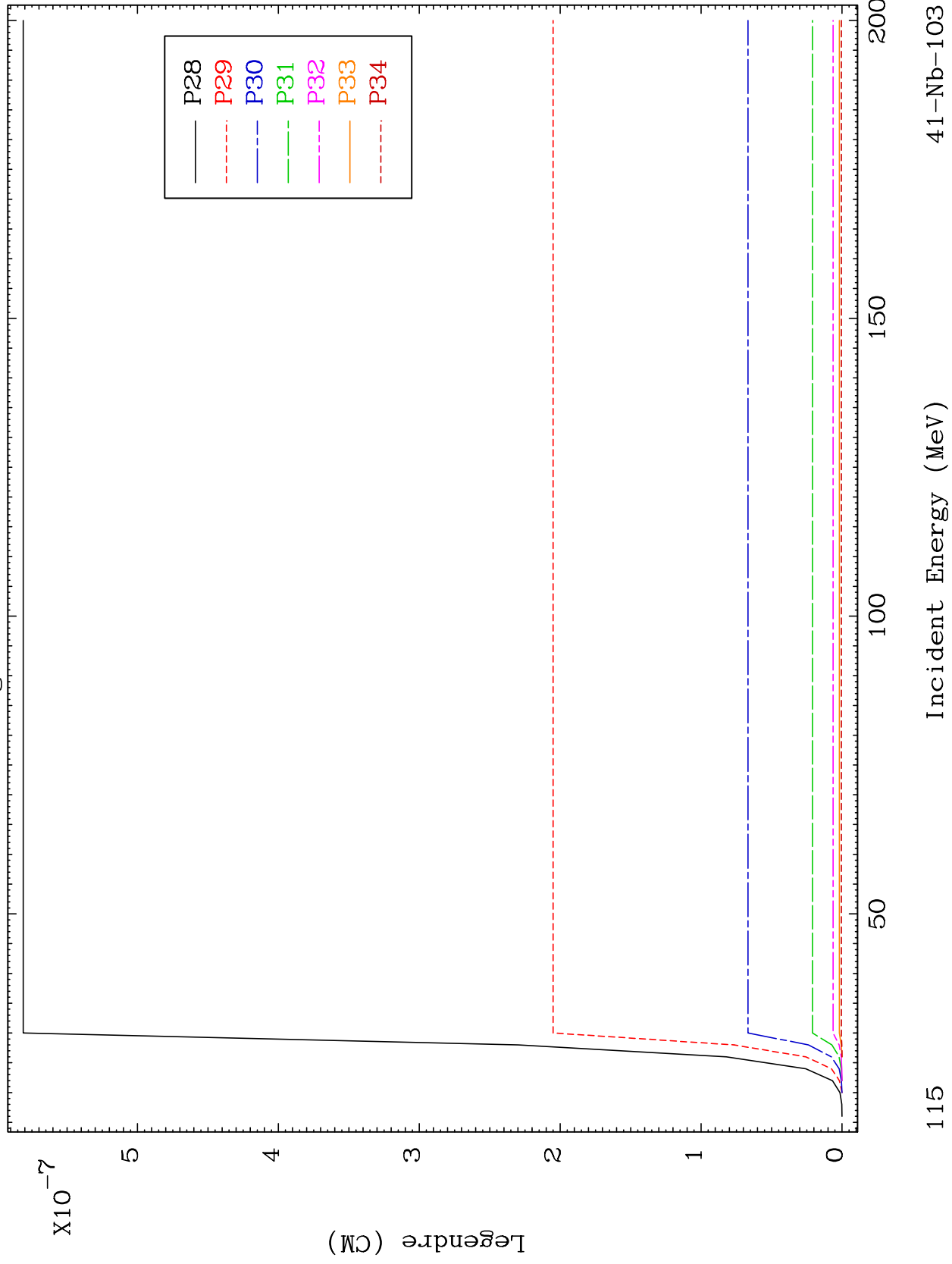


114

MAT 4155

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

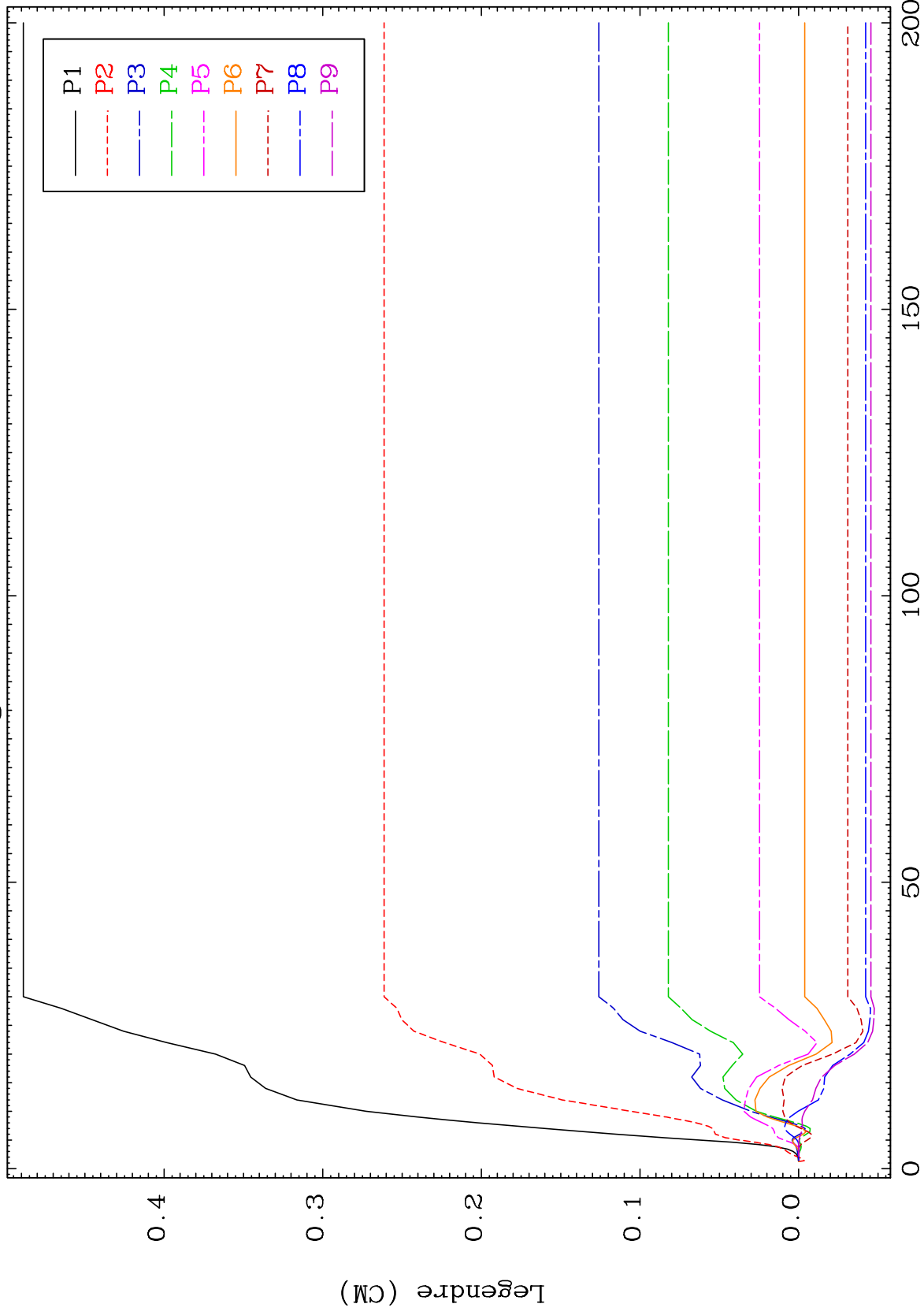
41-Nb-103



MAT 4155

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

41-Nb-103



116

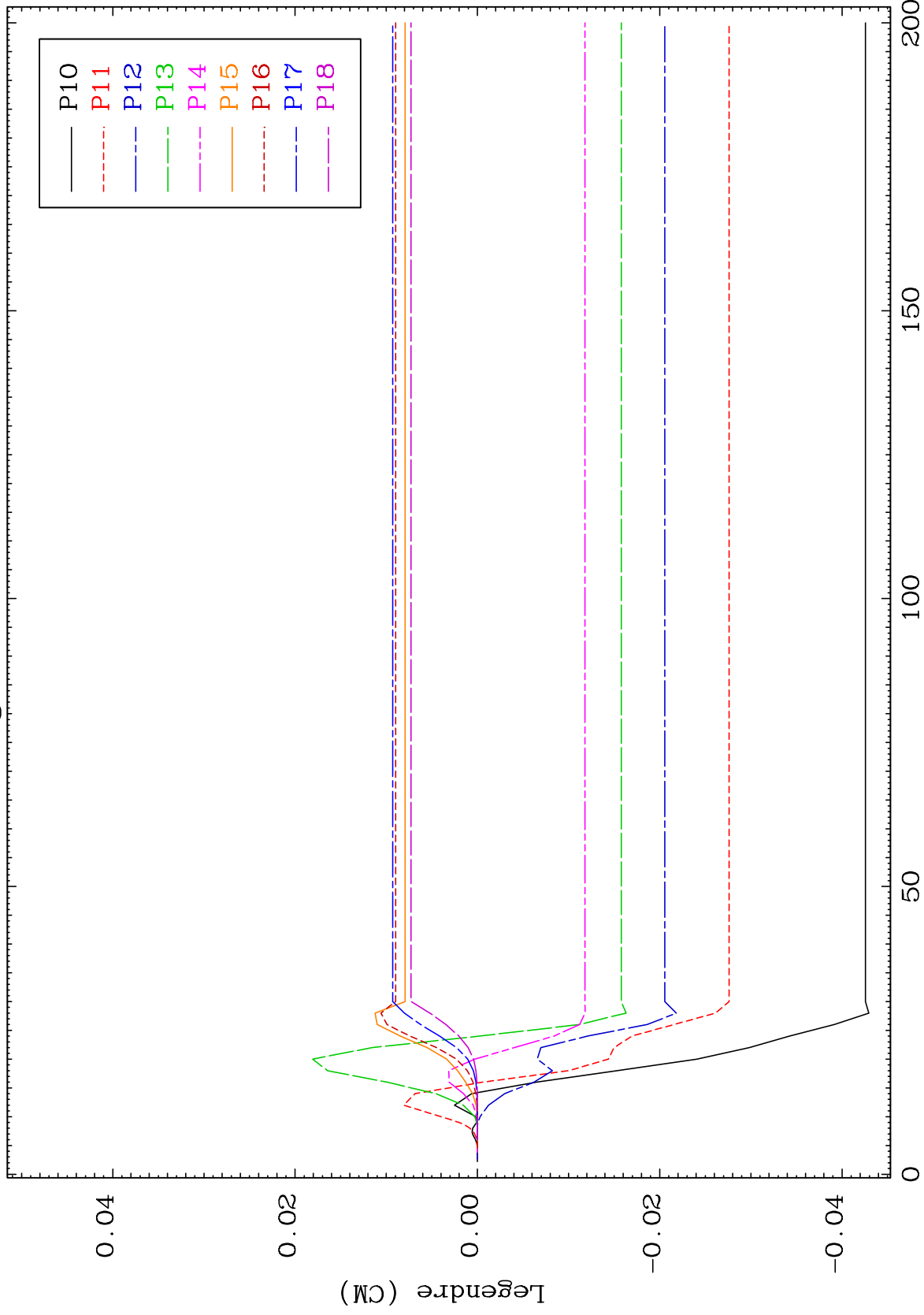
Incident Energy (MeV)

41-Nb-103

MAT 4155

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

41-Nb-103



117

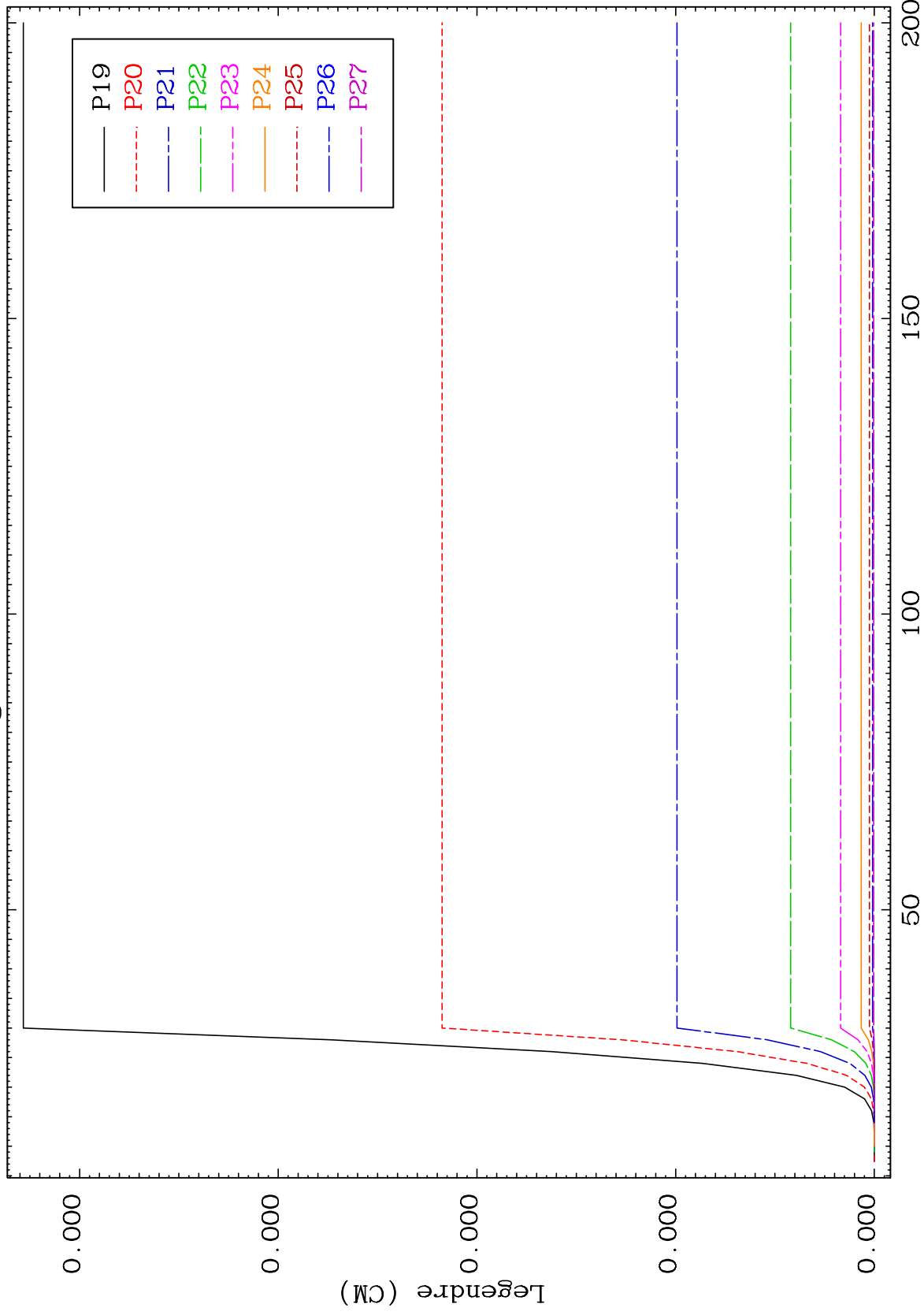
Incident Energy (MeV)

41-Nb-103

MAT 4155

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

41-Nb-103



118

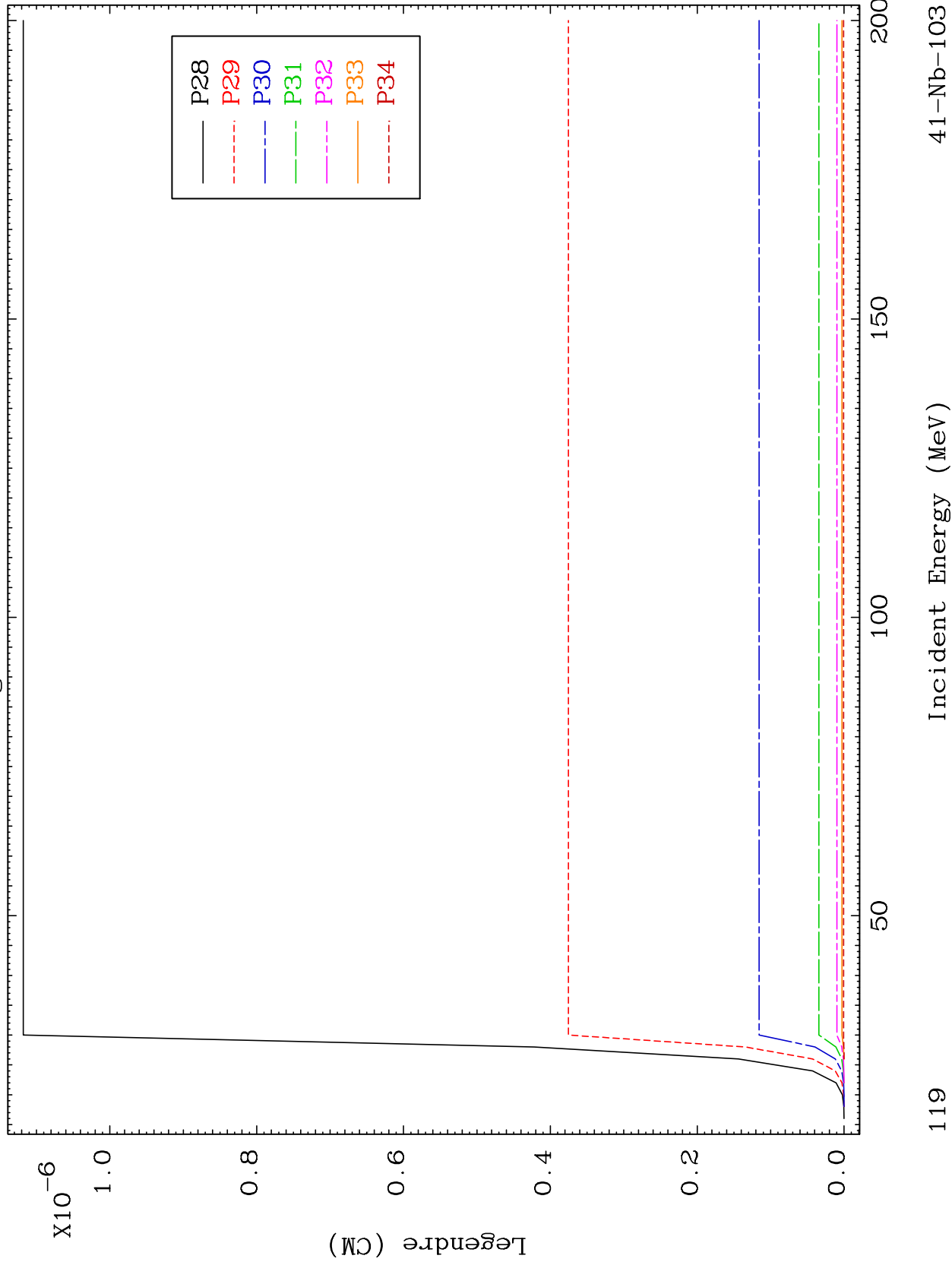
Incident Energy (MeV)

41-Nb-103

MAT 4155

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

41-Nb-103



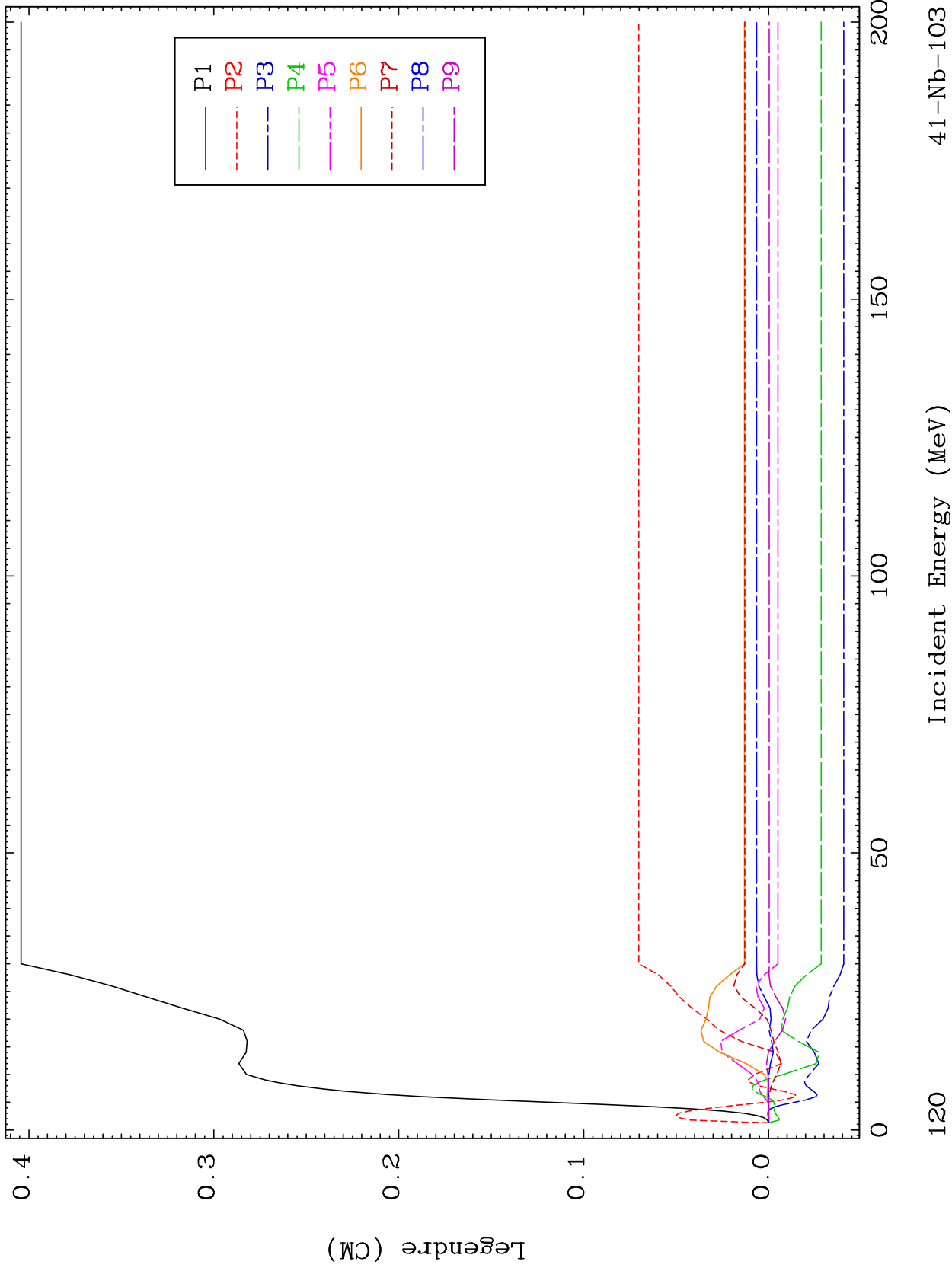
119



MAT 4155

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

41-Nb-103



41-Nb-103

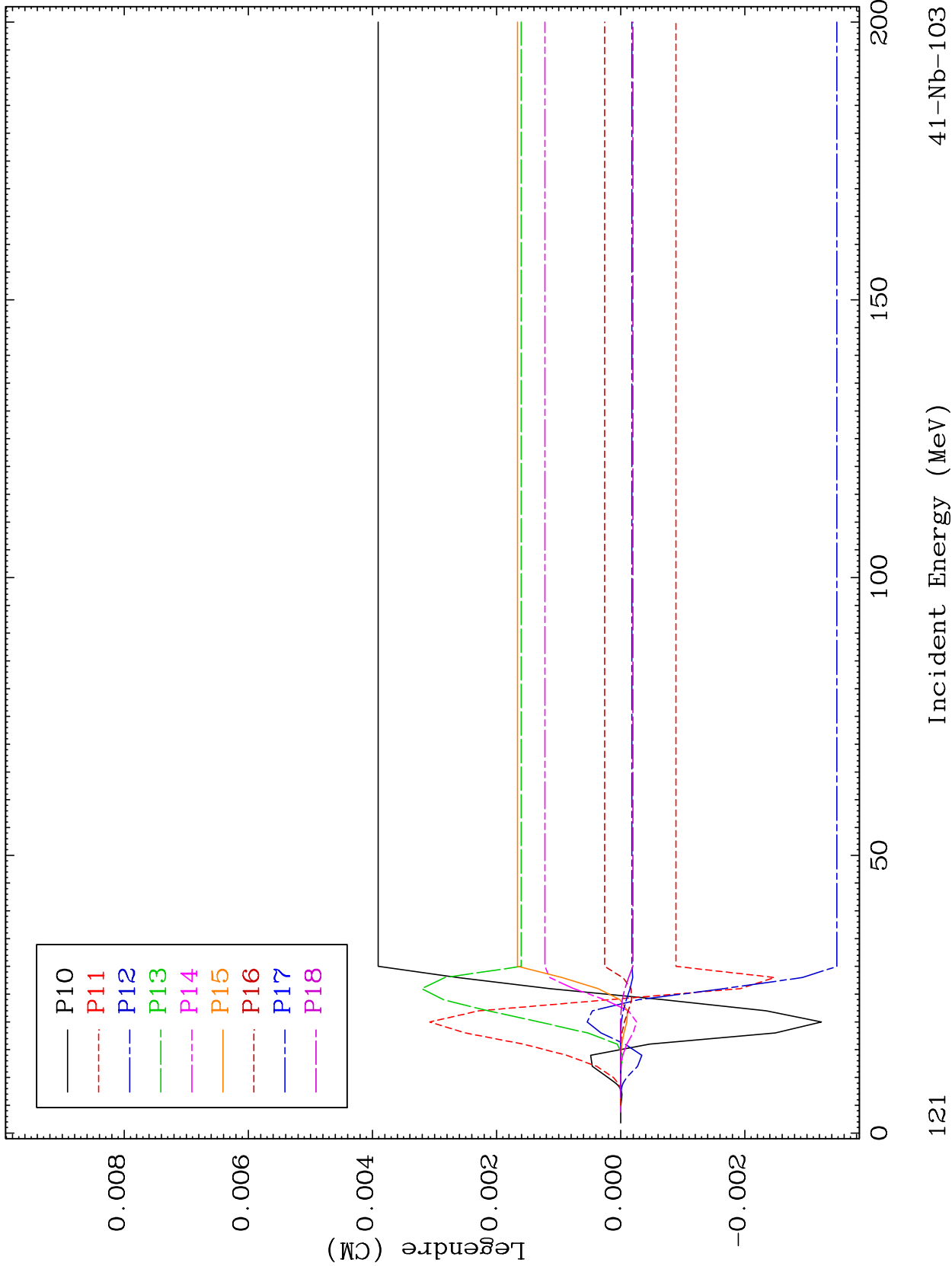
Incident Energy (MeV)

120

MAT 4155

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

41-Nb-103



121

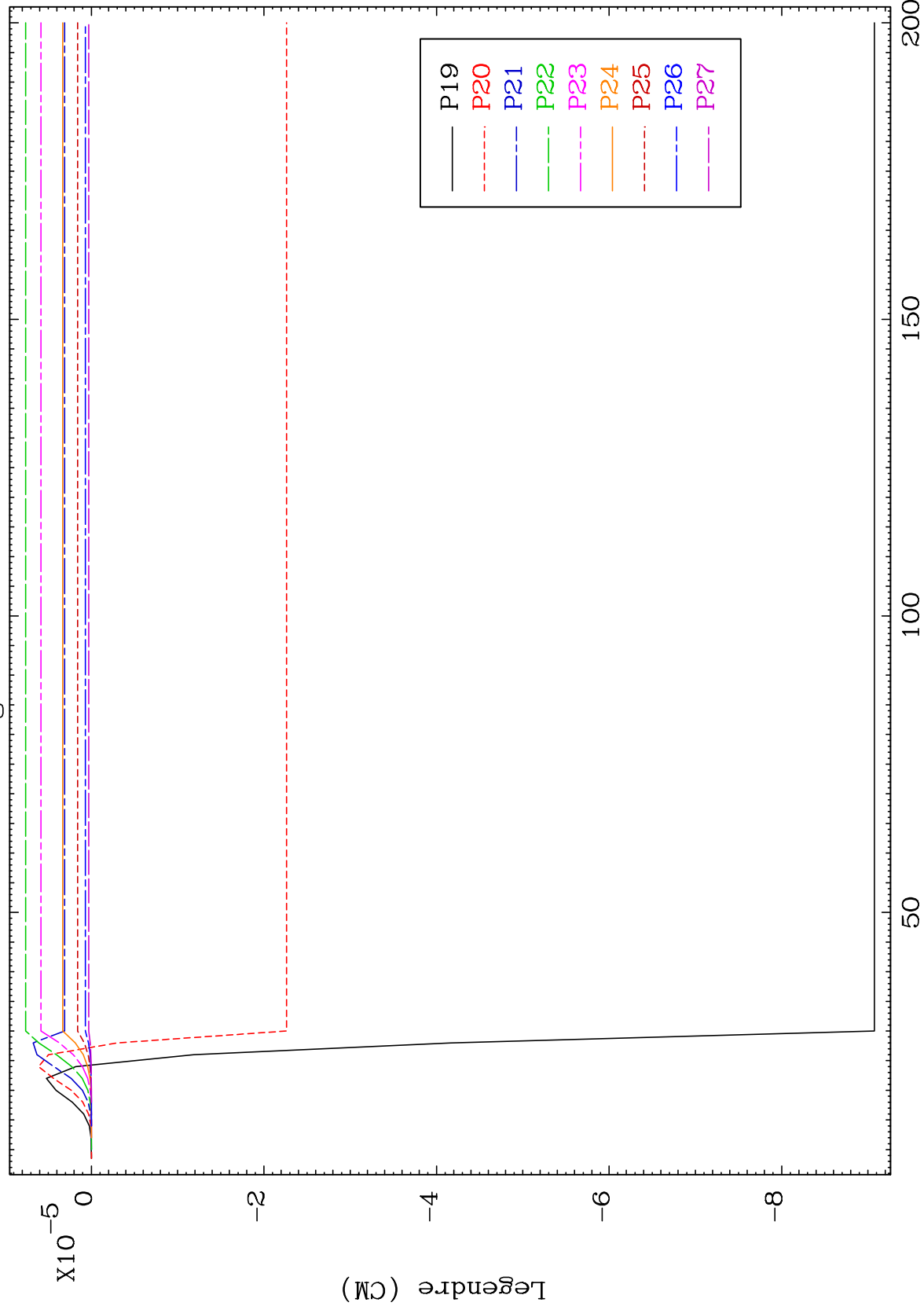
41-Nb-103

MAT 4155

MT= 76 (n,n') Level

41-Nb-103

Legendre Coefficients



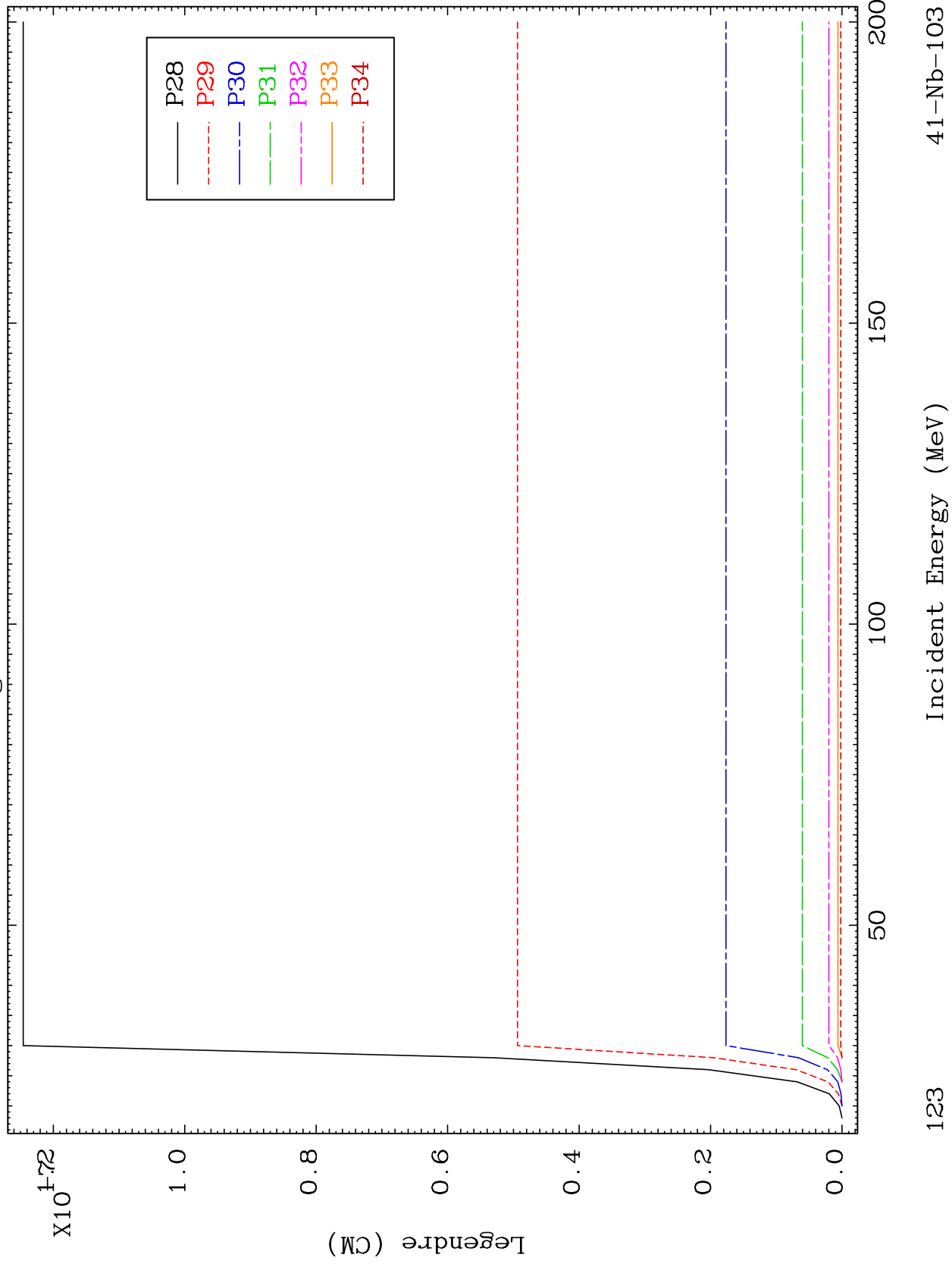
122

41-Nb-103

MAT 4155

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

41-Nb-103

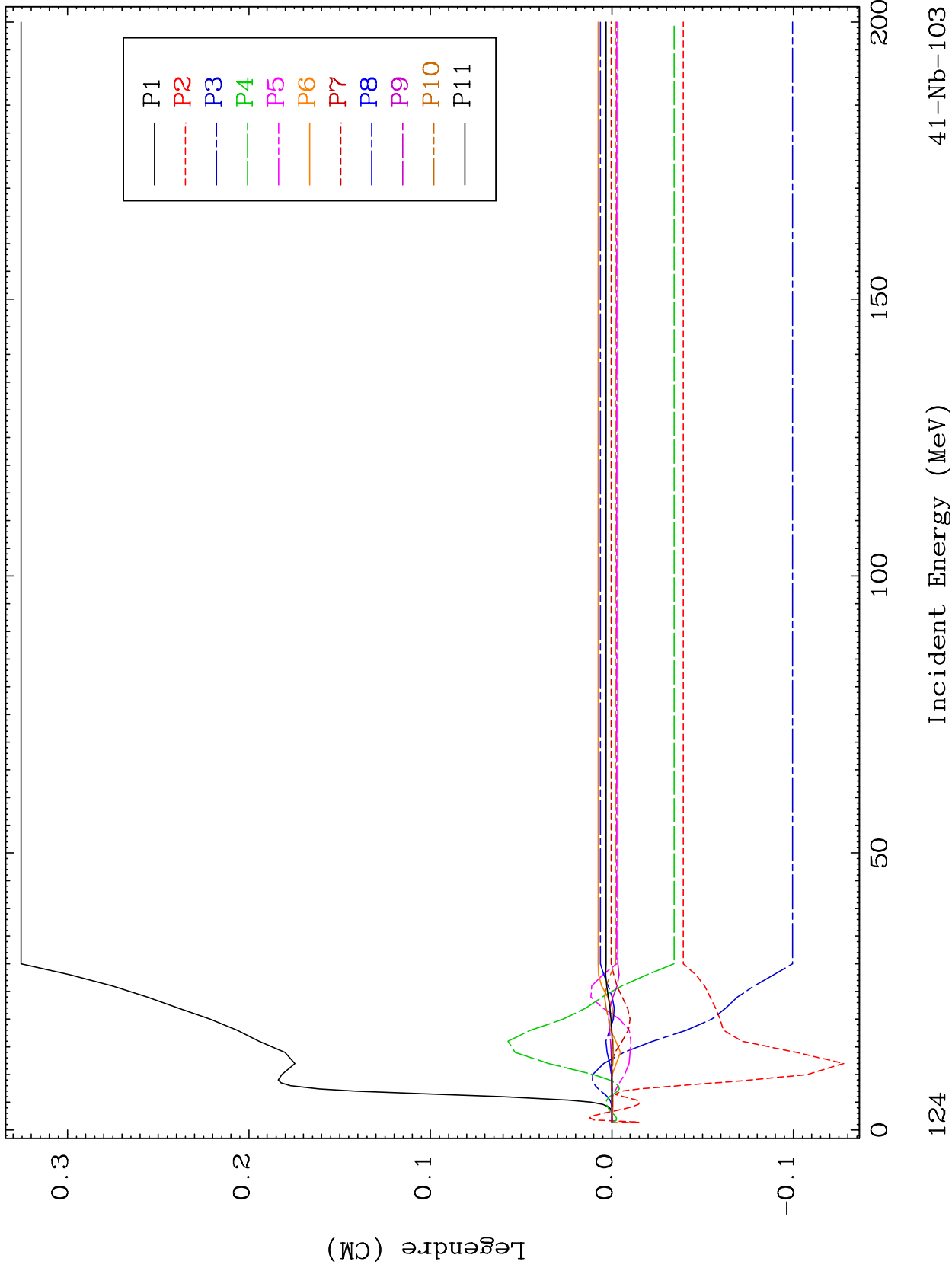


123

MAT 4155

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

41-Nb-103



41-Nb-103

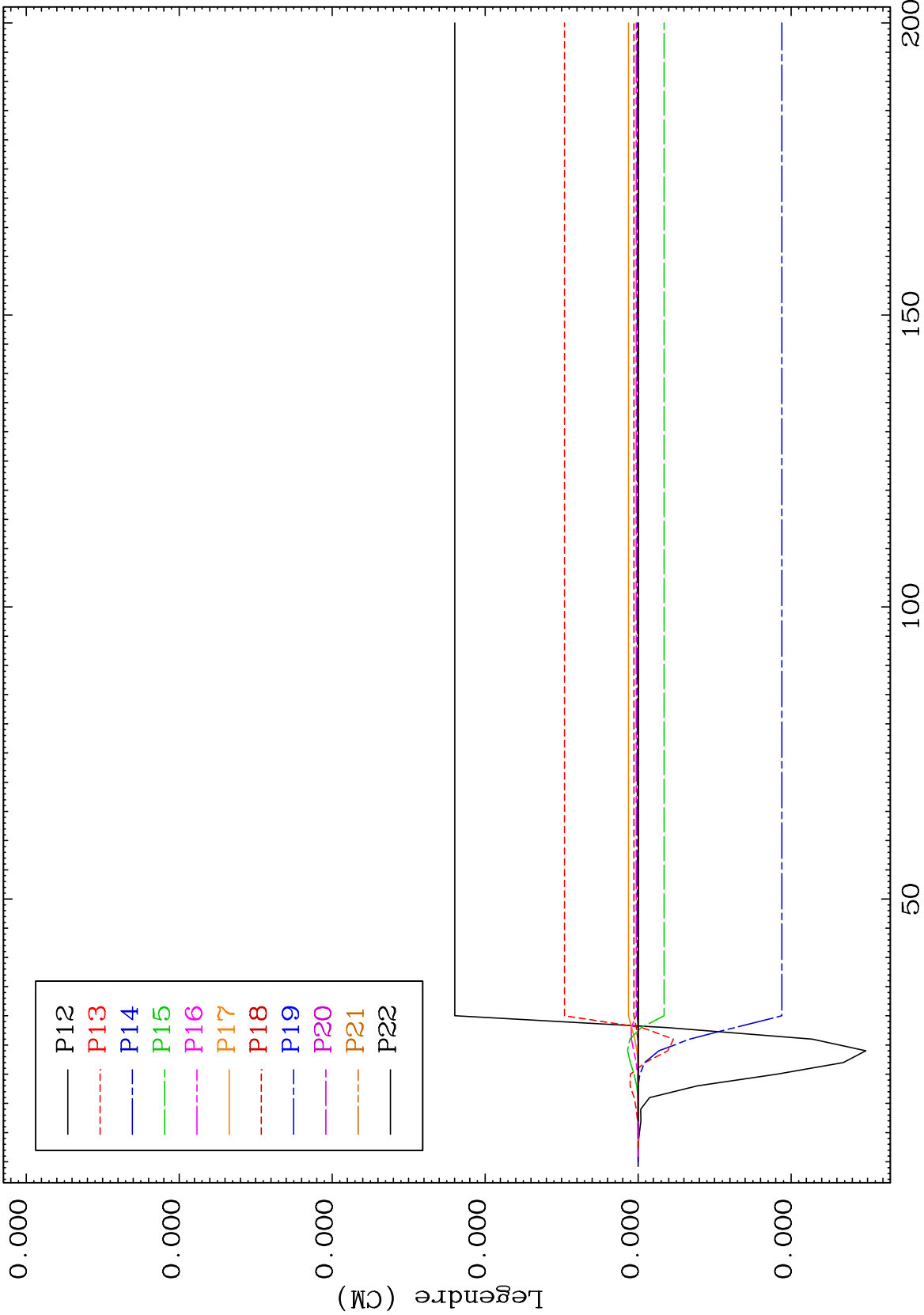
Incident Energy (MeV)

124

MAT 4155

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

41-Nb-103



125

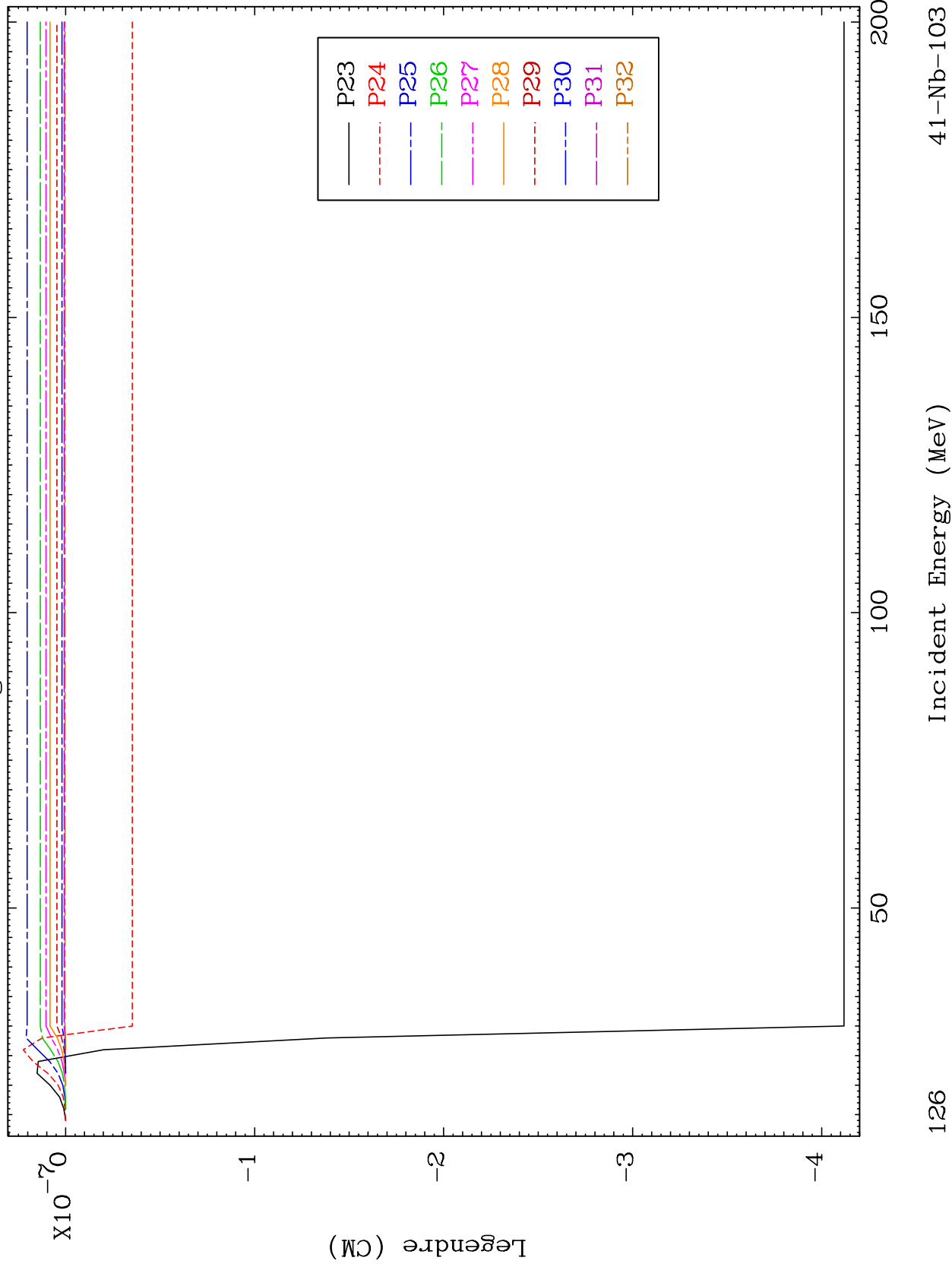
Incident Energy (MeV)

41-Nb-103

MAT 4155

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

41-Nb-103



126

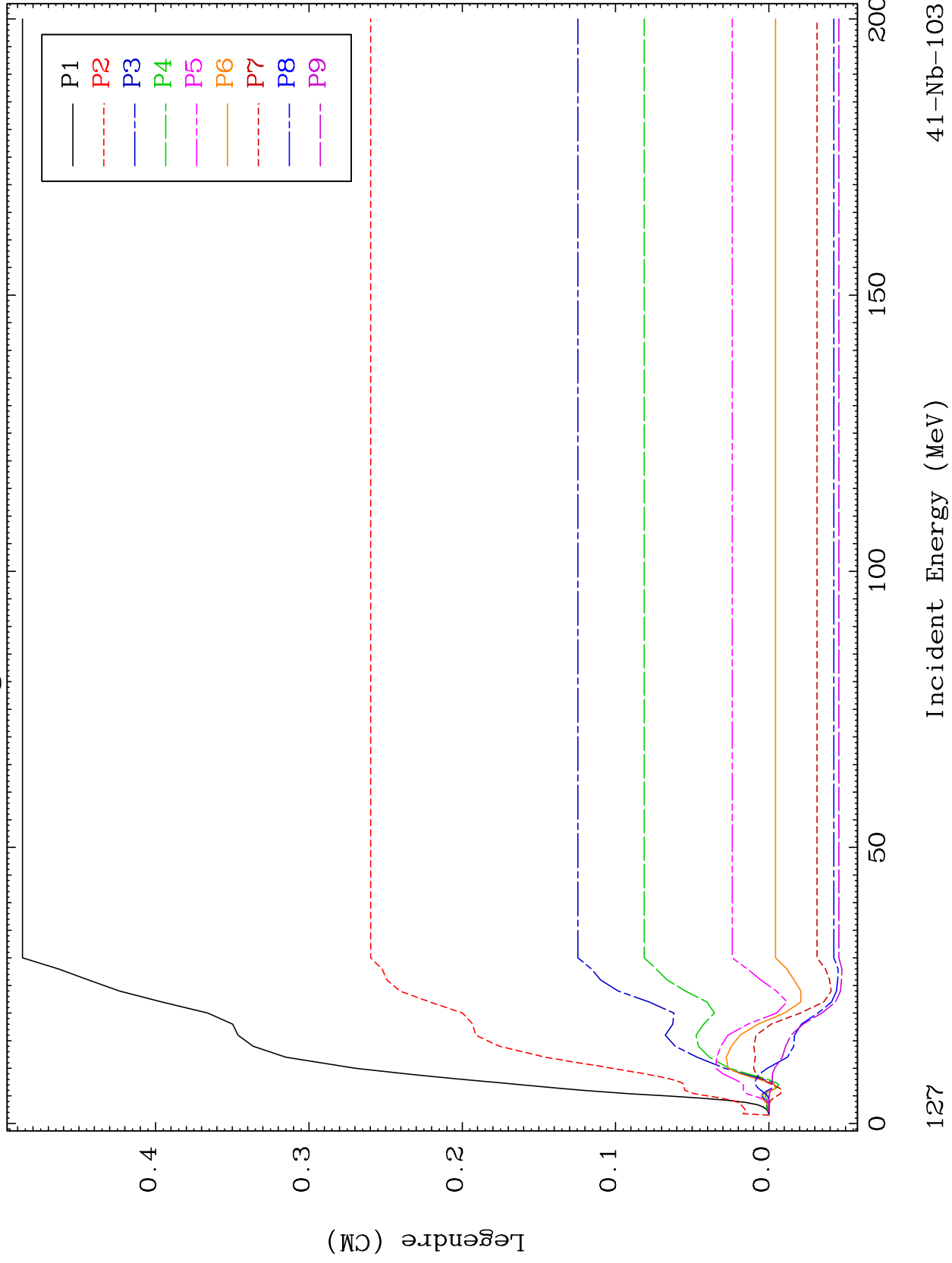
Incident Energy (MeV)

41-Nb-103

MAT 4155

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

41-Nb-103



127

Incident Energy (MeV)

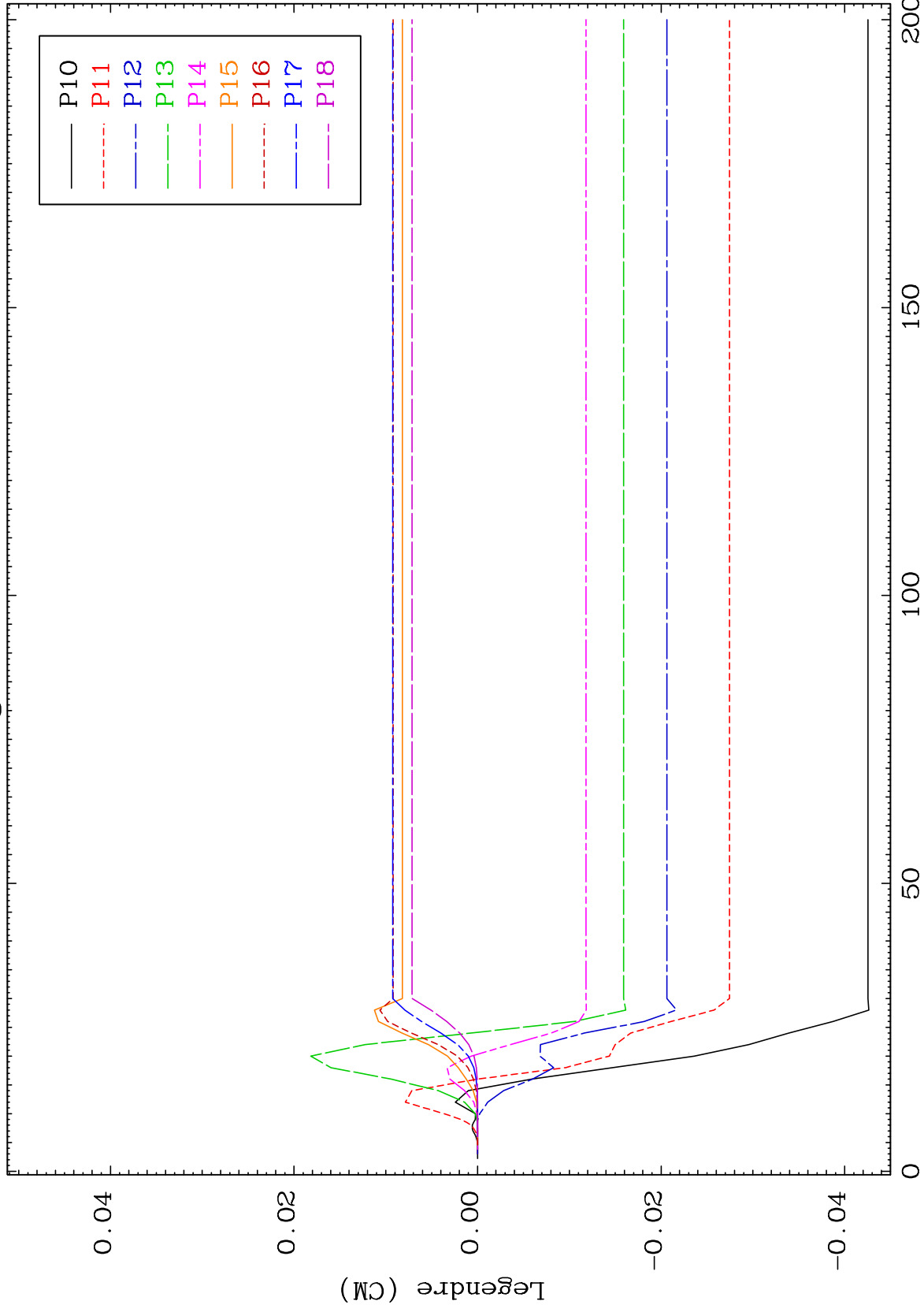
41-Nb-103



MAT 4155

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

41-Nb-103



128

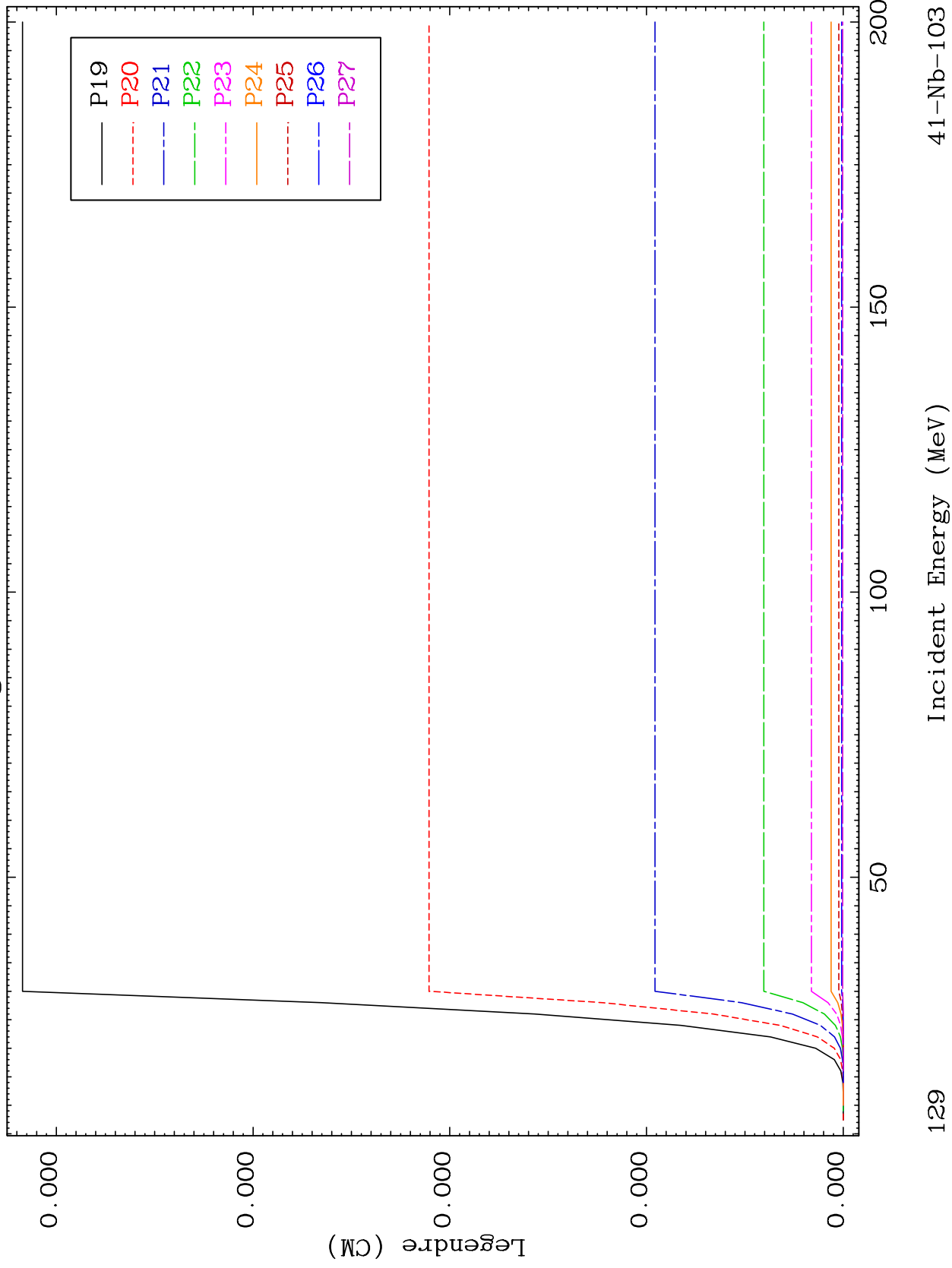
Incident Energy (MeV)

41-Nb-103

MAT 4155

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

41-Nb-103



129

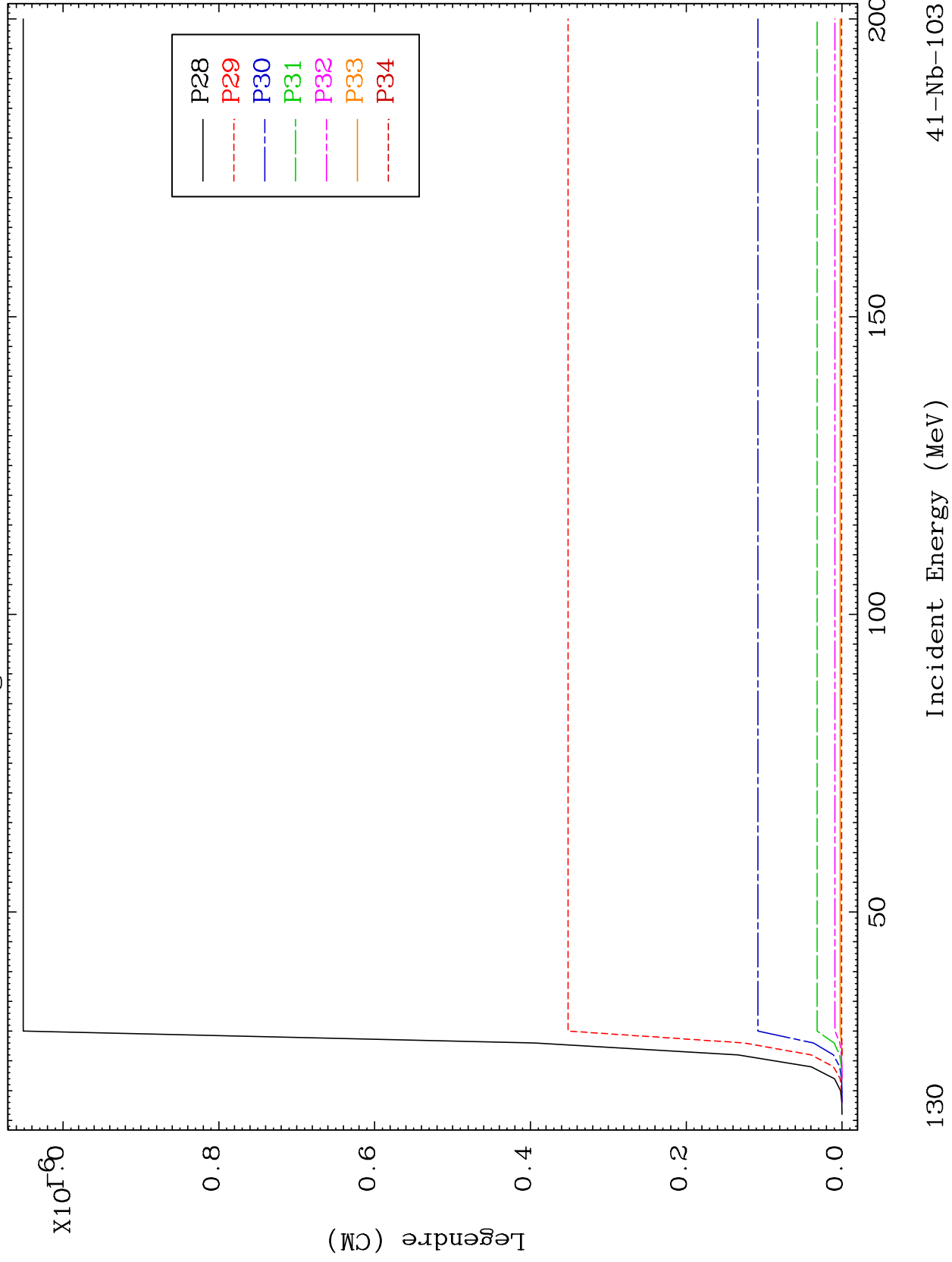
Incident Energy (MeV)

41-Nb-103

MAT 4155

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

41-Nb-103



130

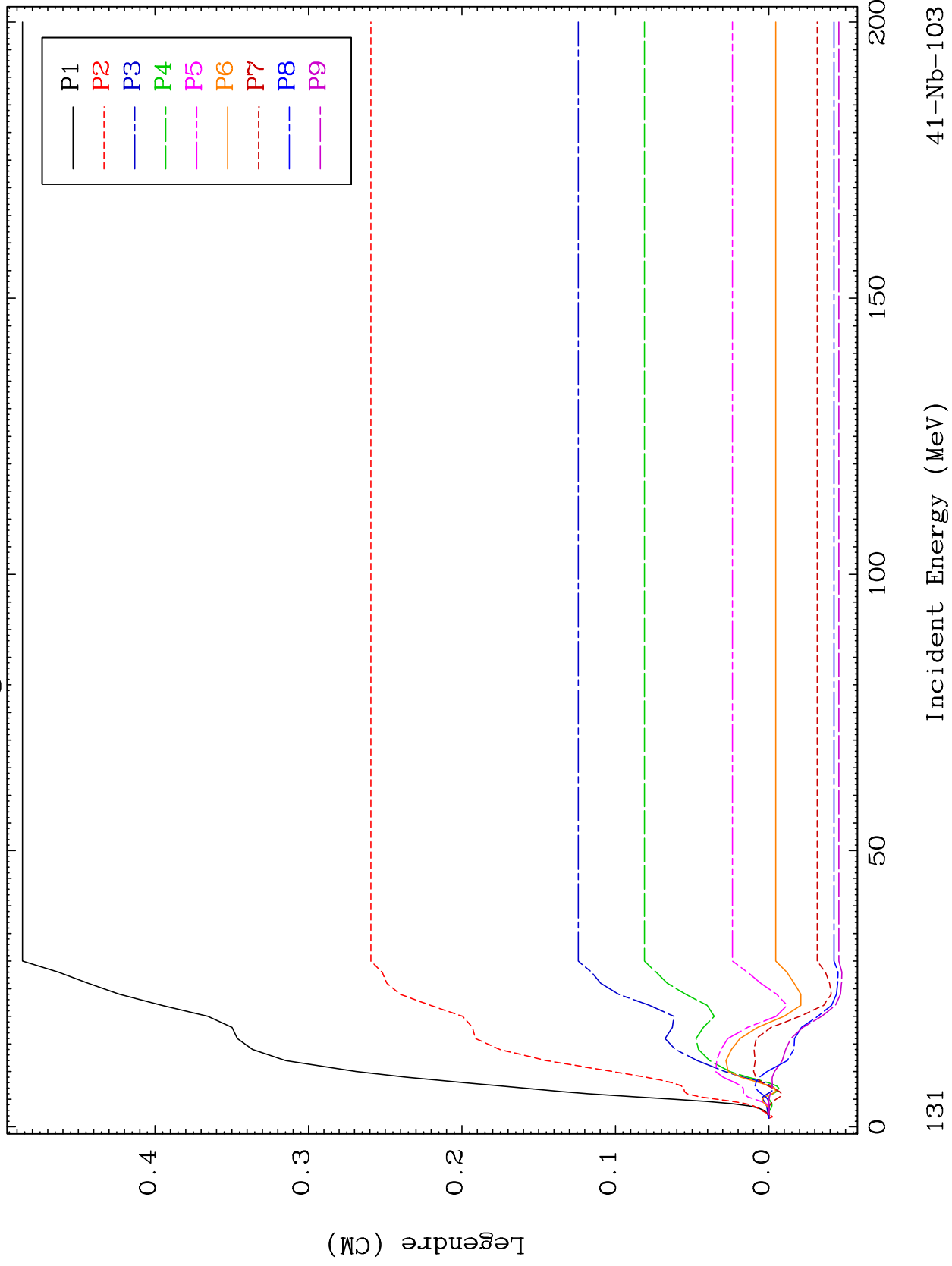
Incident Energy (MeV)

41-Nb-103

MAT 4155

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

41-Nb-103



41-Nb-103

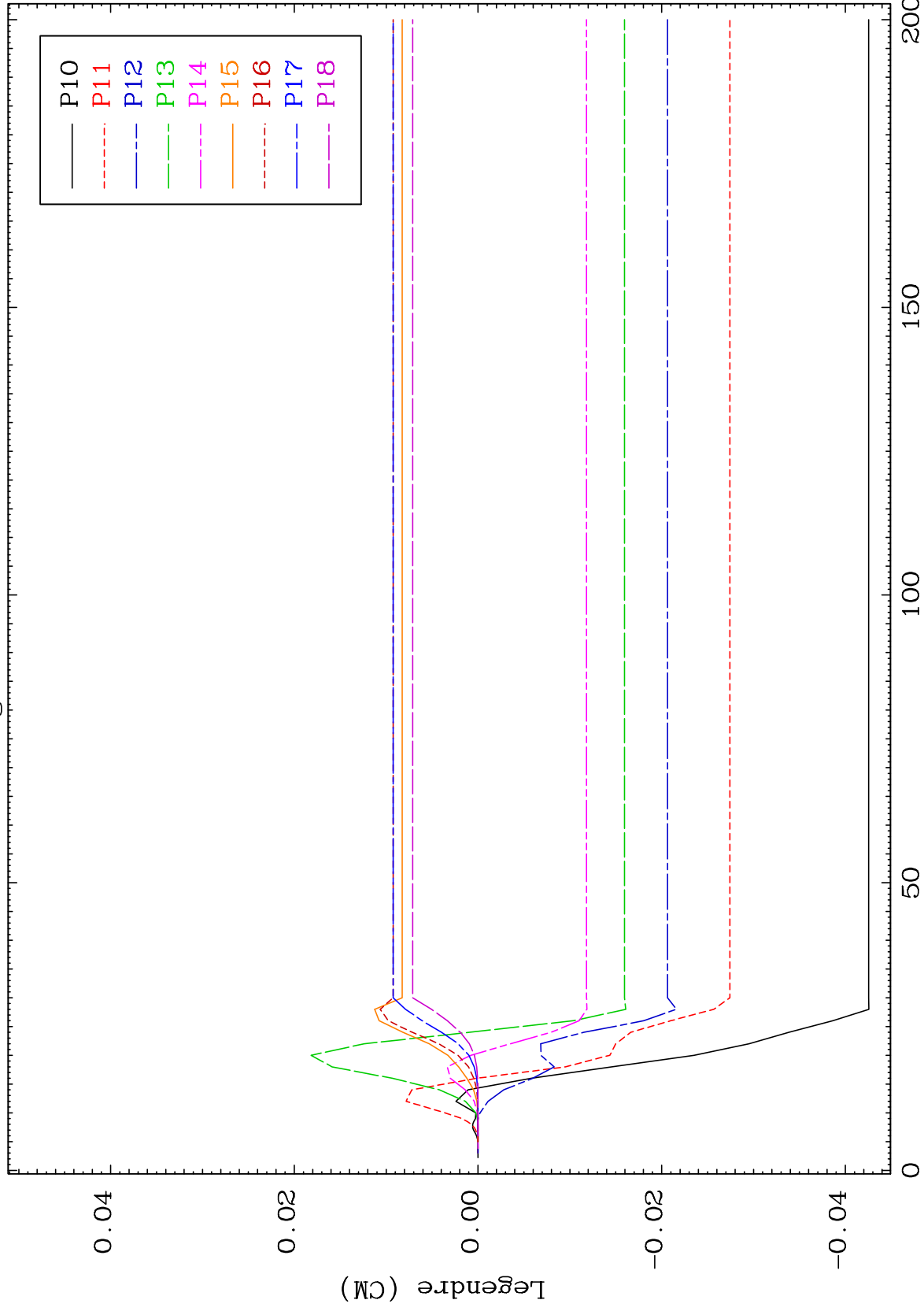
Incident Energy (MeV)

131

MAT 4155

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

41-Nb-103



132

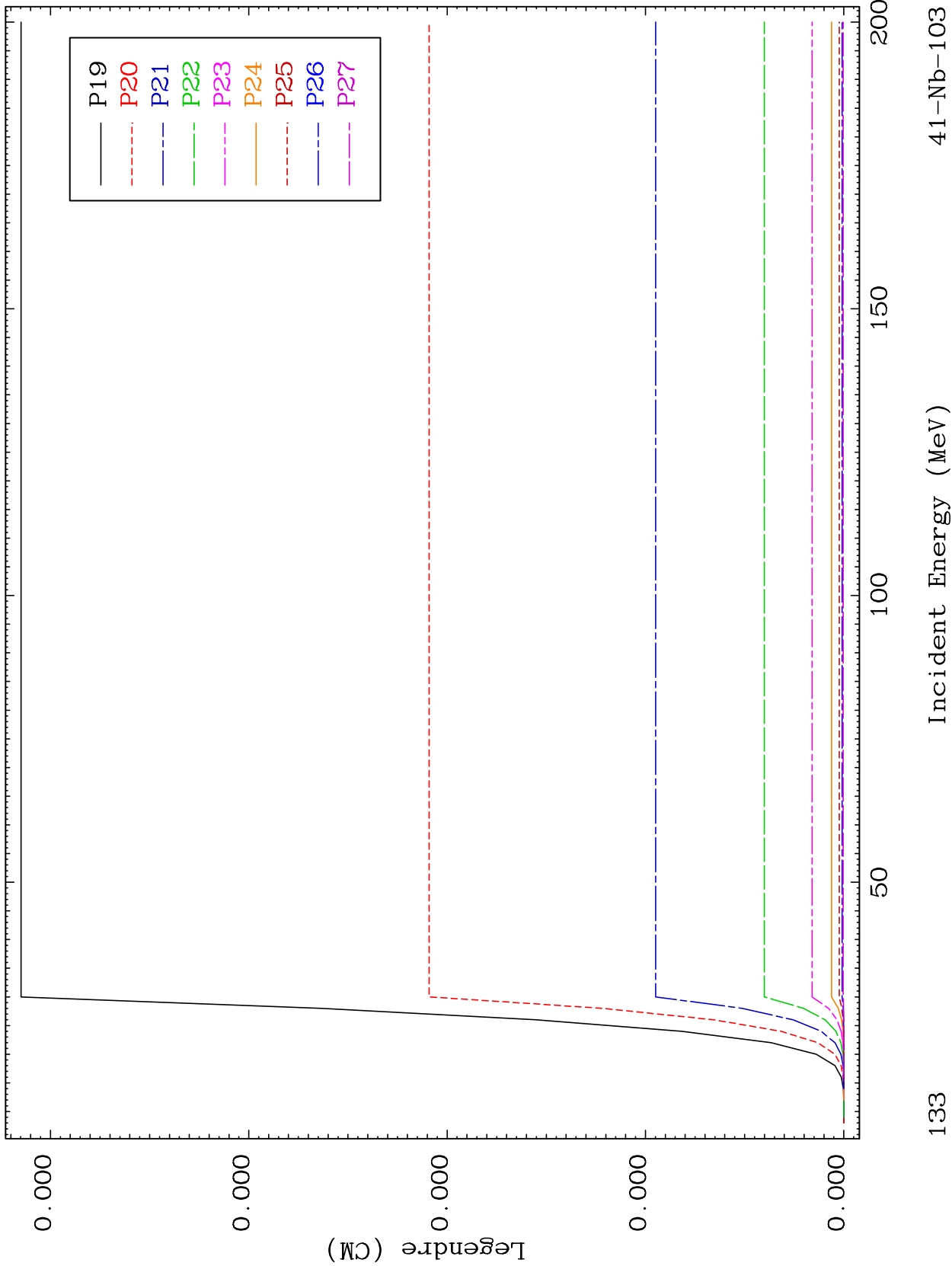
Incident Energy (MeV)

41-Nb-103

MAT 4155

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

41-Nb-103



133

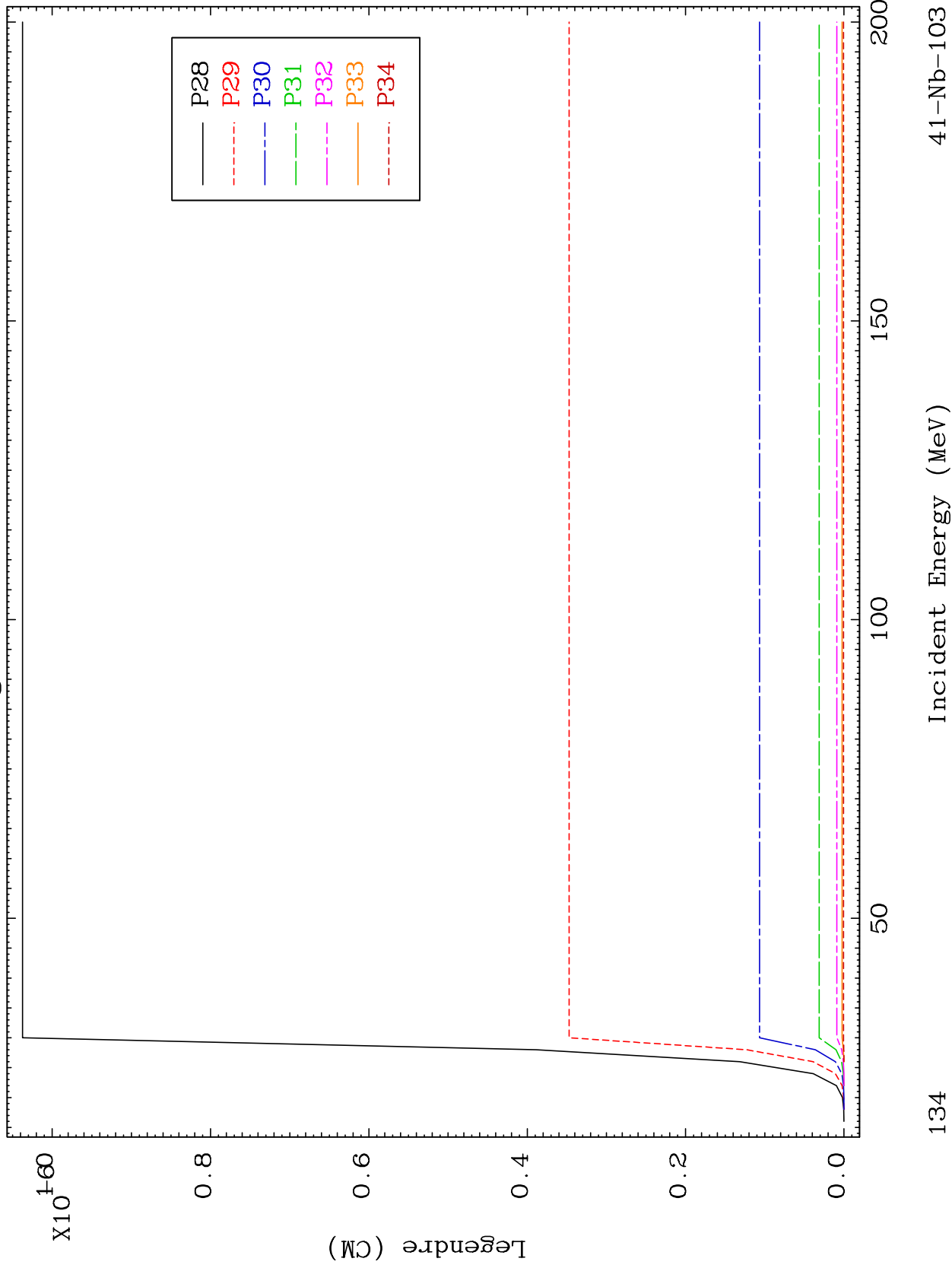
Incident Energy (MeV)

41-Nb-103

MAT 4155

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

41-Nb-103

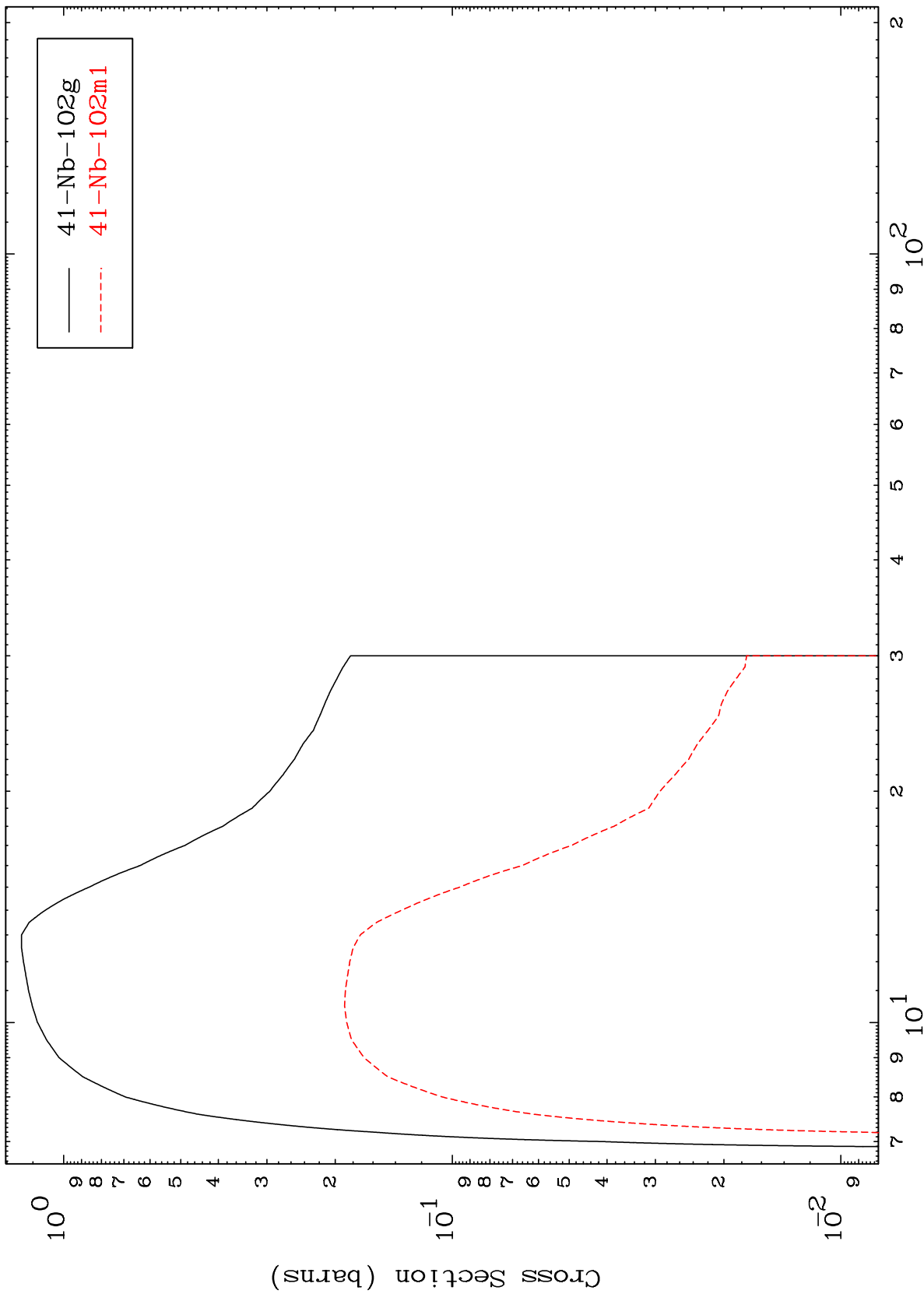


134

MAT 4155

41-Nb-103

(n,2n)  
Radionuclide Production Cross Section



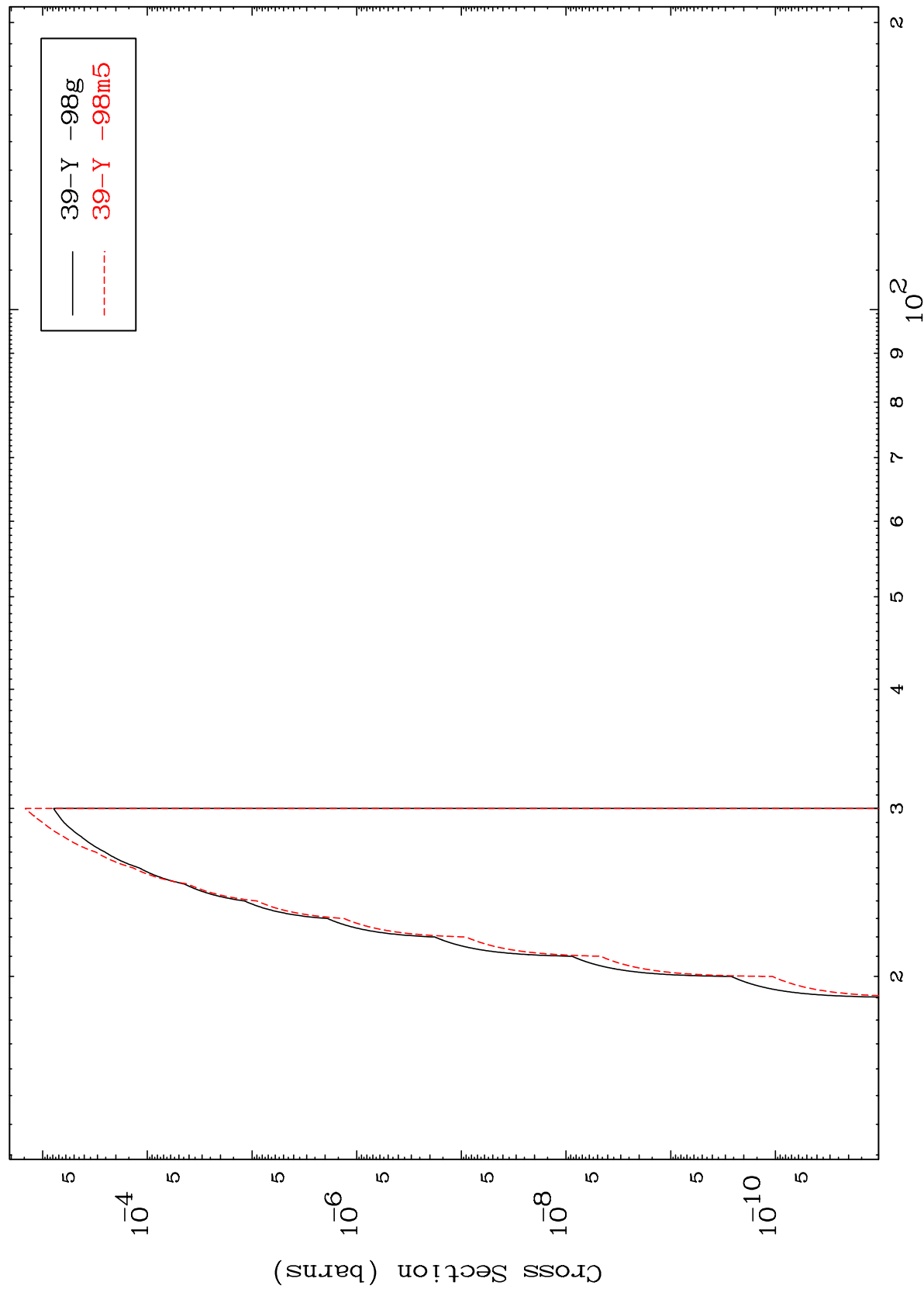
135

Incident Energy (MeV)

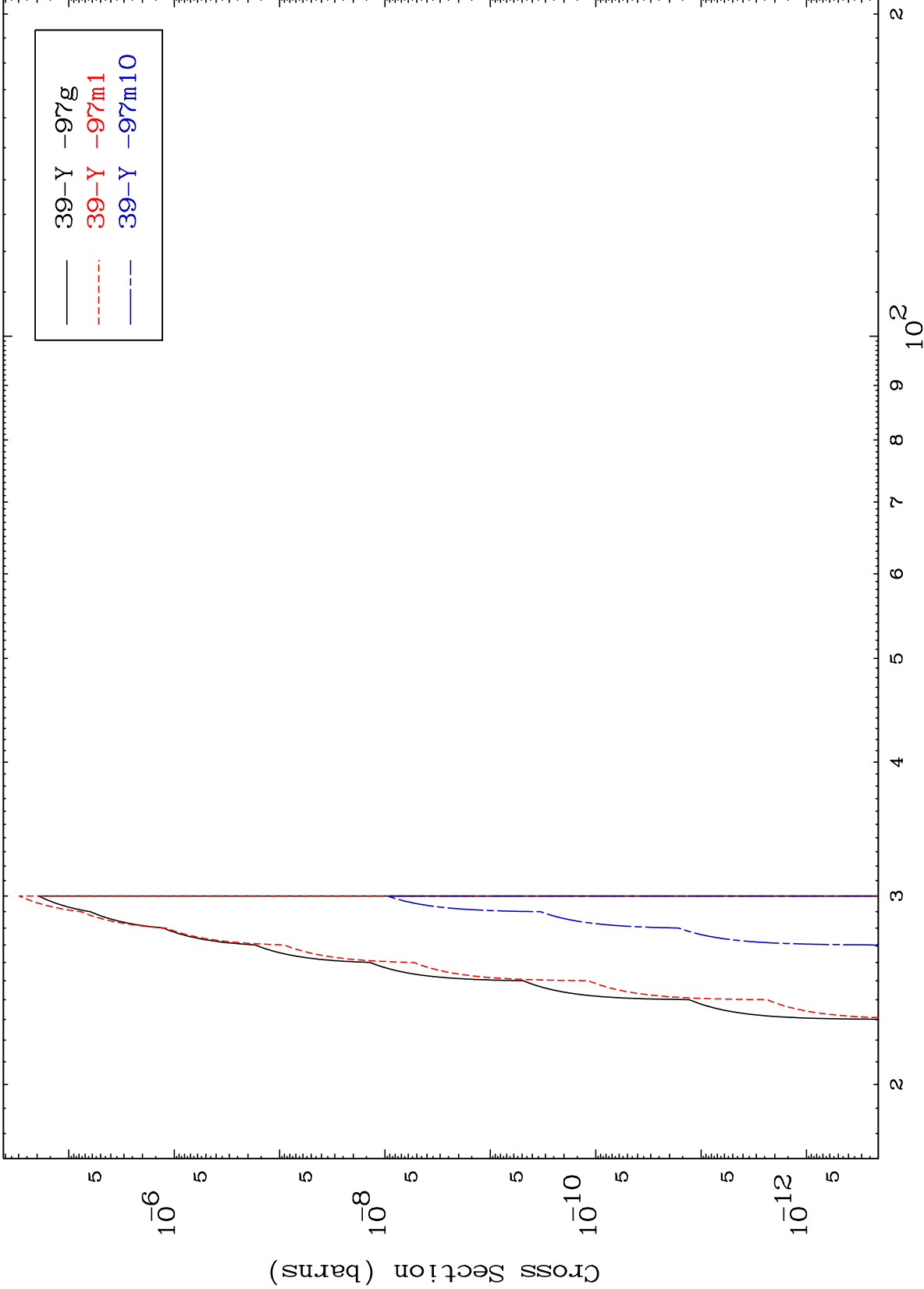
41-Nb-103



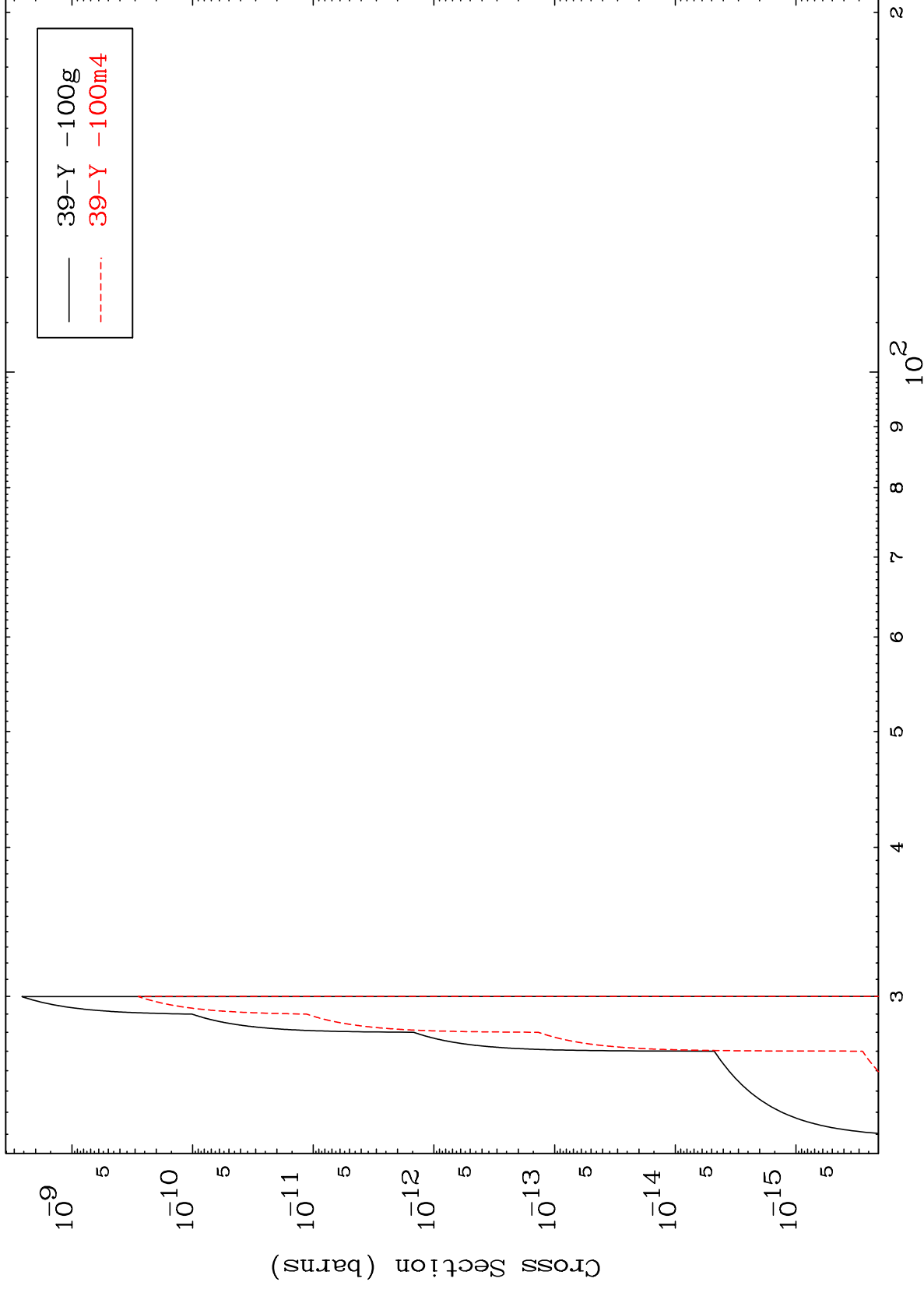
Radionuclide Production Cross Section



Radionuclide Production Cross Section



Radionuclide Production Cross Section

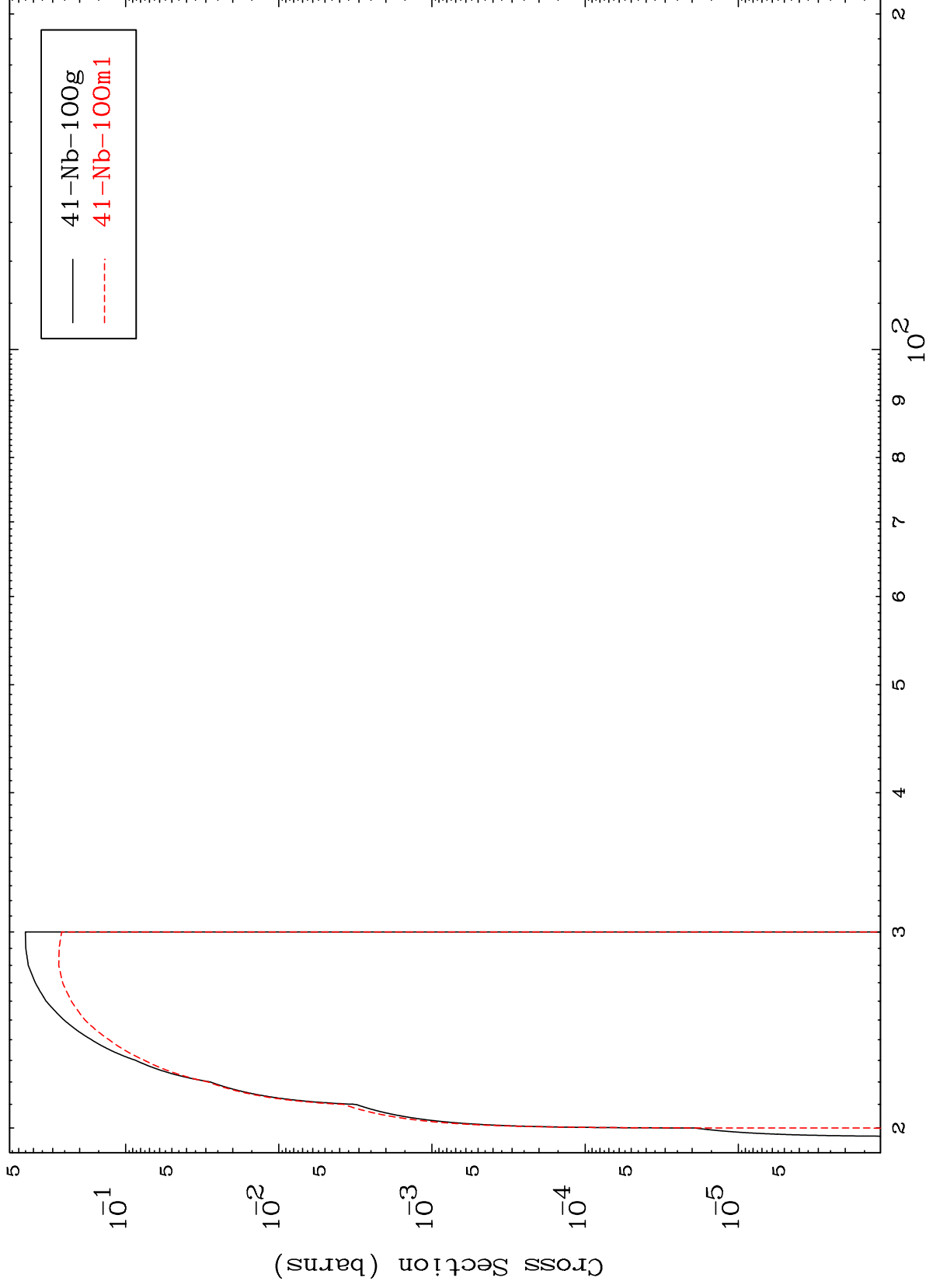


MAT 4155

(n,4n)

41-Nb-103

Radionuclide Production Cross Section



139

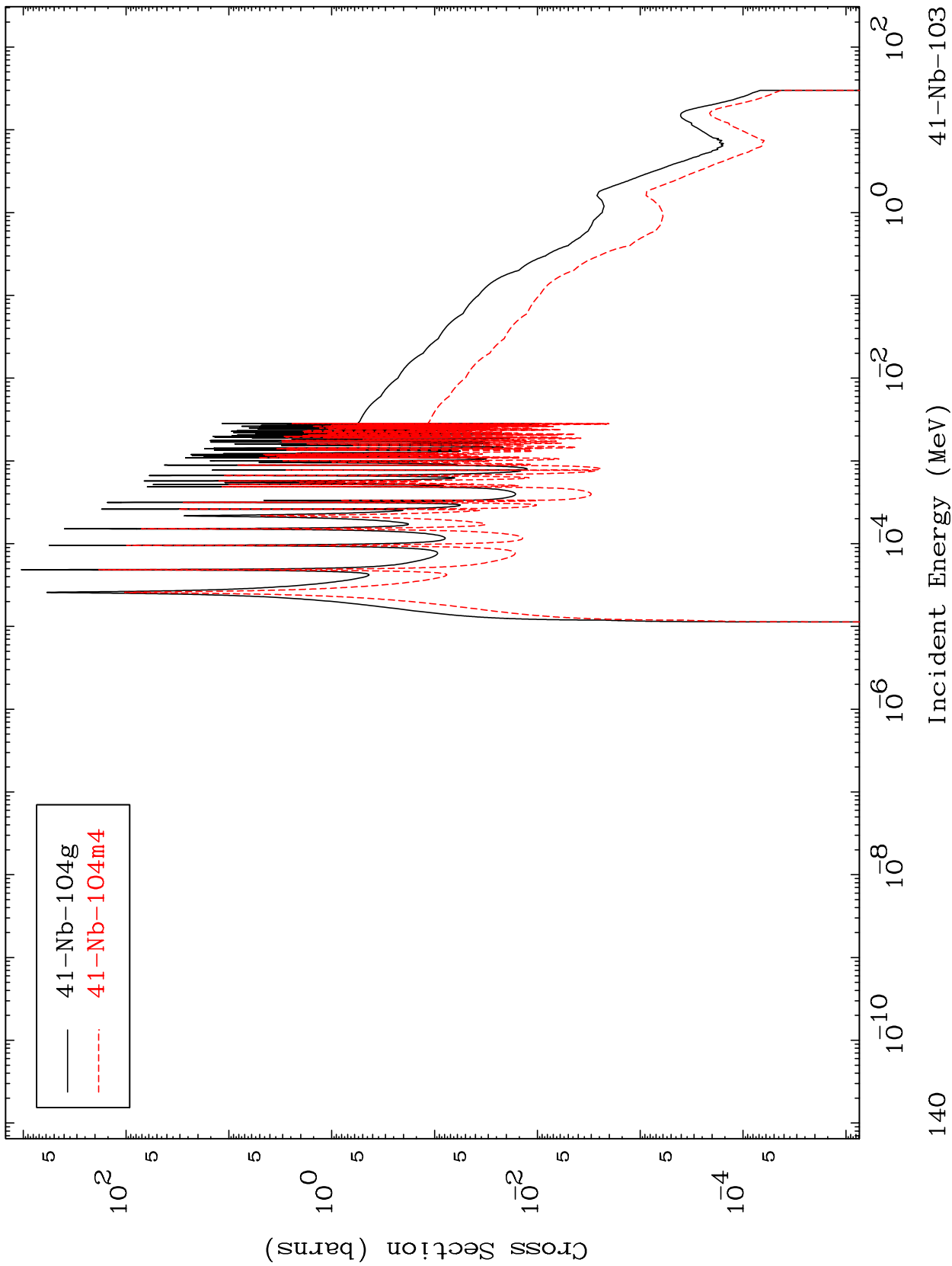
Incident Energy (MeV)

41-Nb-103

MAT 4155

41-Nb-103

(n,  $\gamma$ )  
Radionuclide Production Cross Section

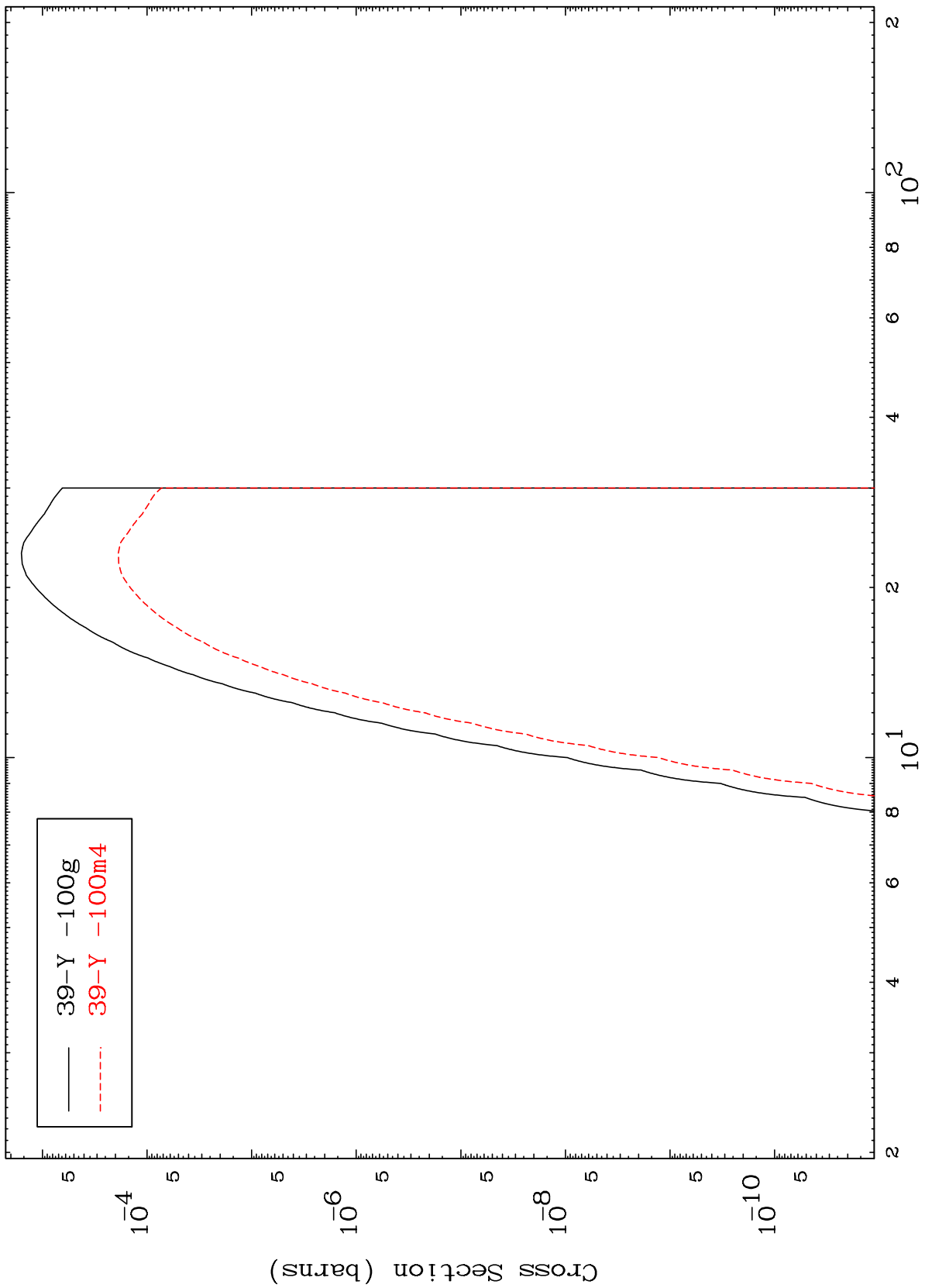


140

MAT 4155

41-Nb-103

(n,α)  
Radionuclide Production Cross Section



— 39-Y - 100g  
- - - 39-Y - 100m4

141

41-Nb-103

Incident Energy (MeV)