

Program EVALPLOT  
(Version 2021-1)

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](mailto:redcullen1@comcast.net)

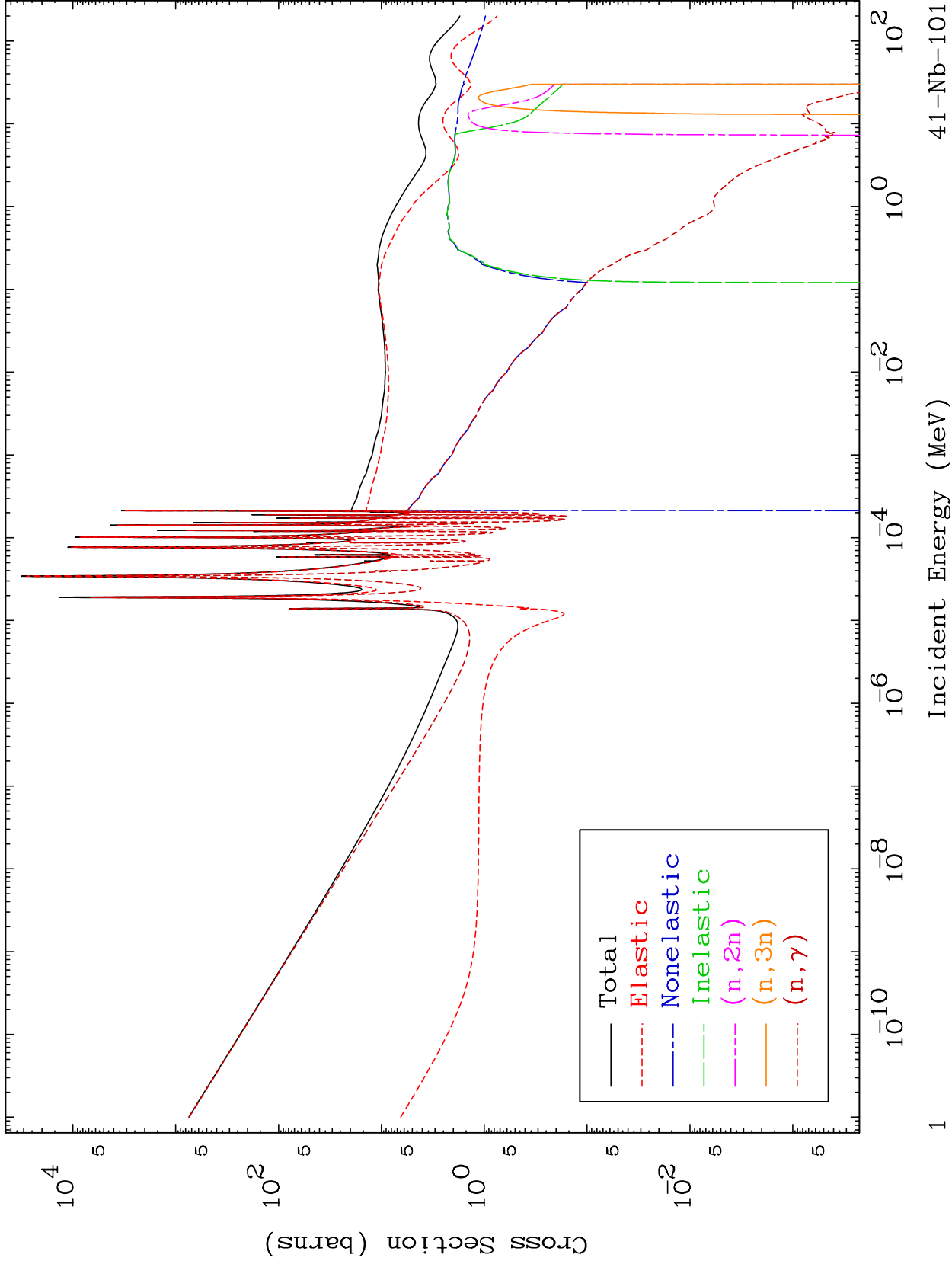
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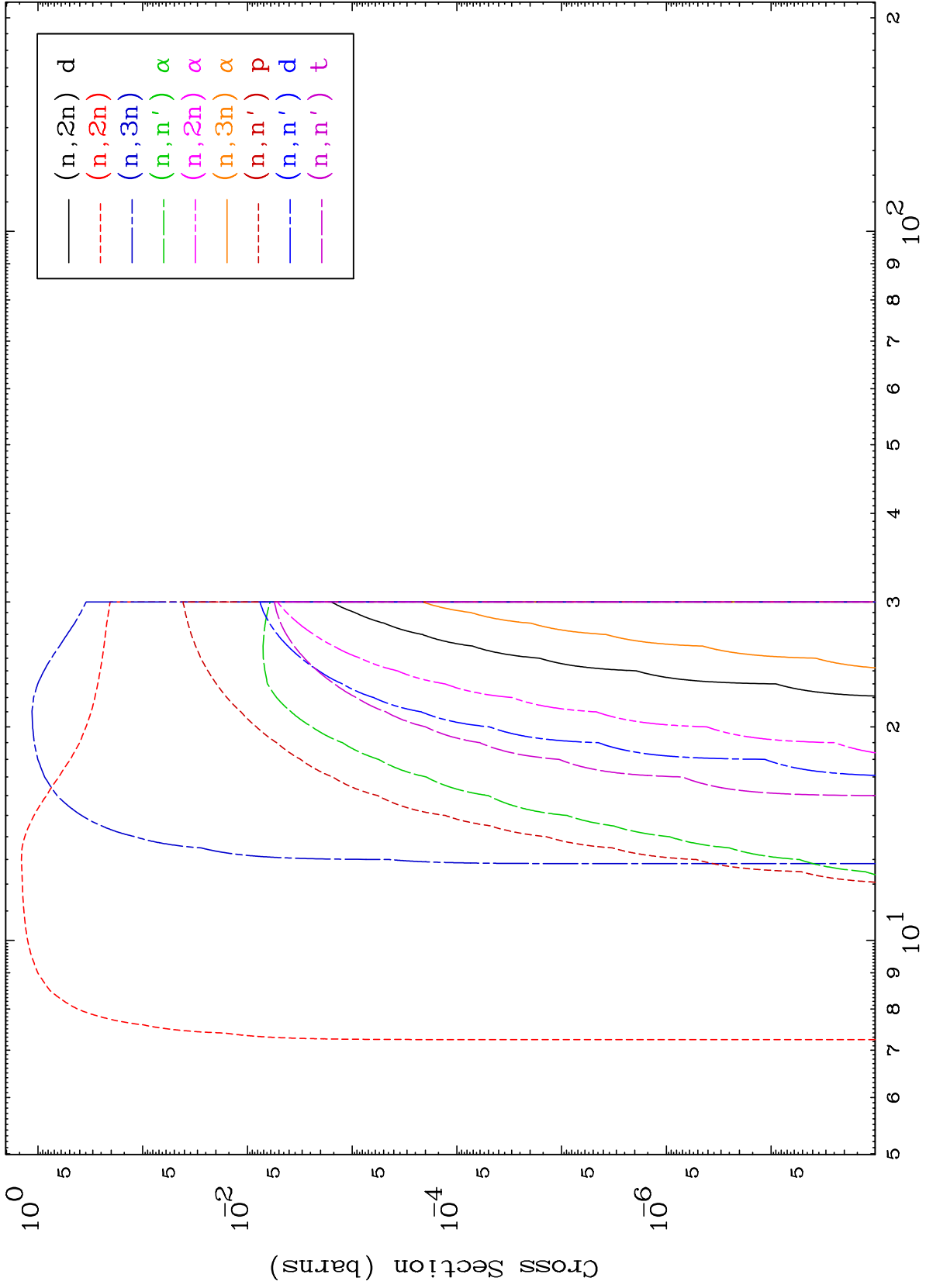
Press Mouse Button to Start

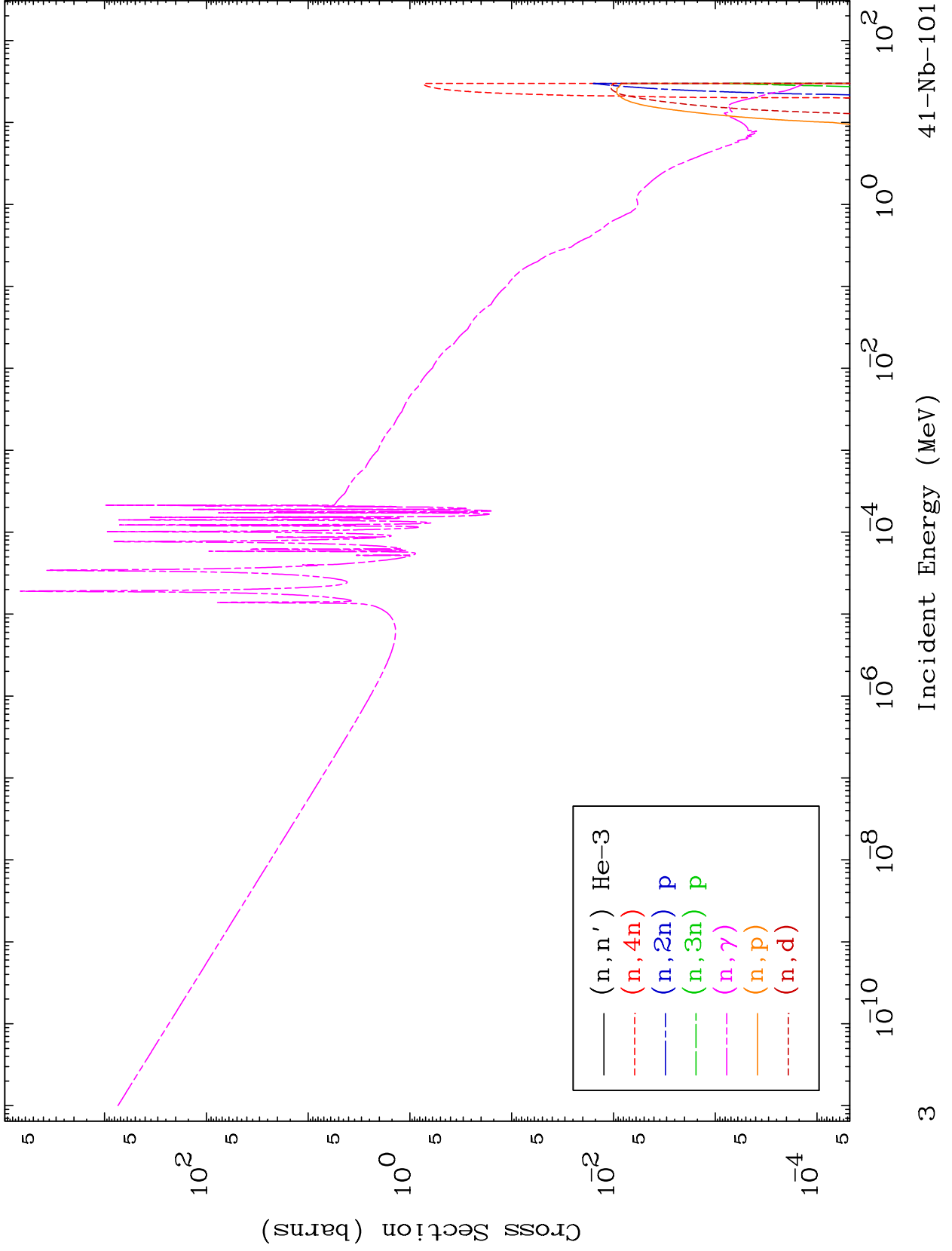
MAT 4149

Neutron Major  
293 Kelvin Cross Sections

41-Nb-101



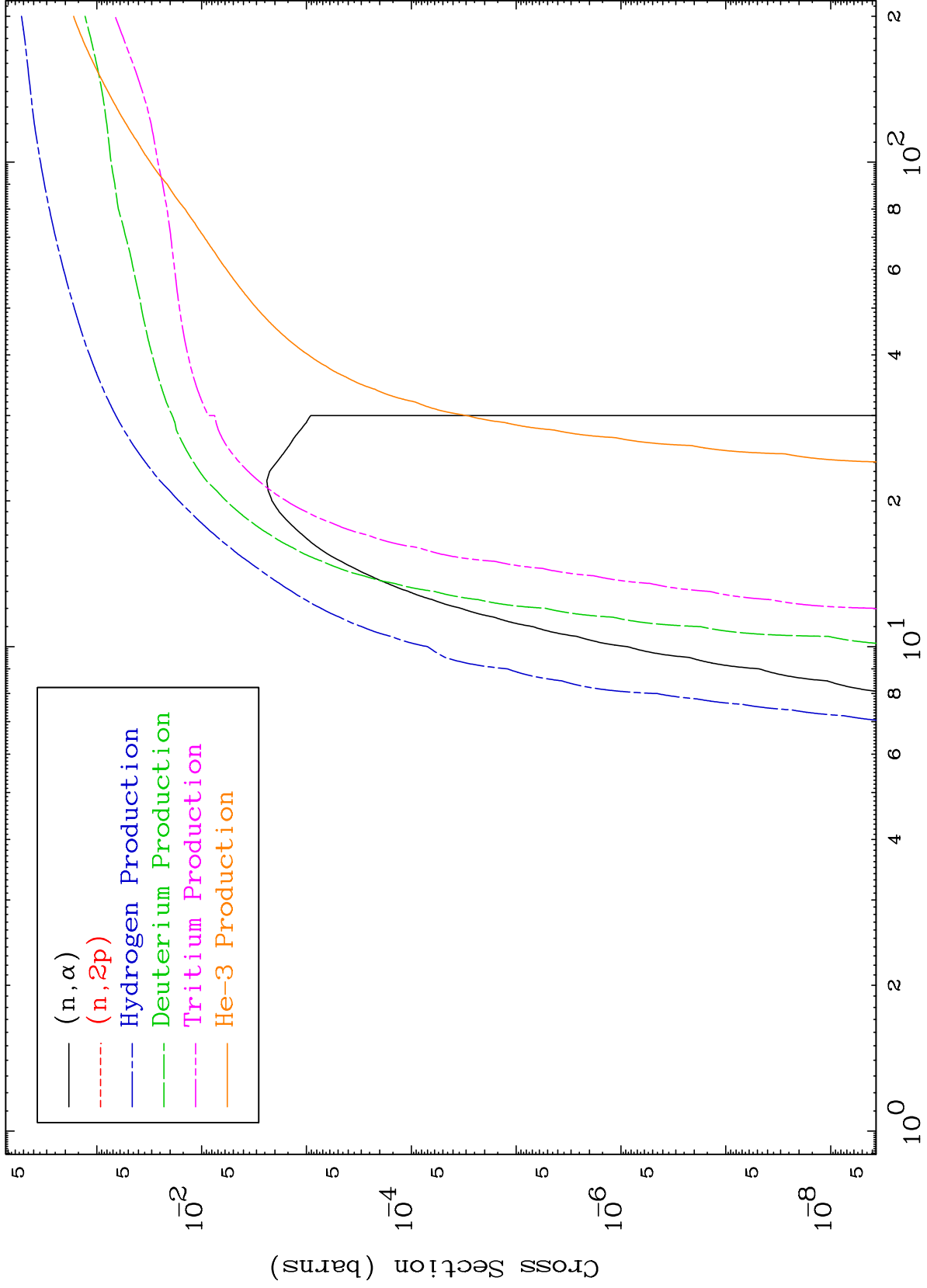




MAT 4149

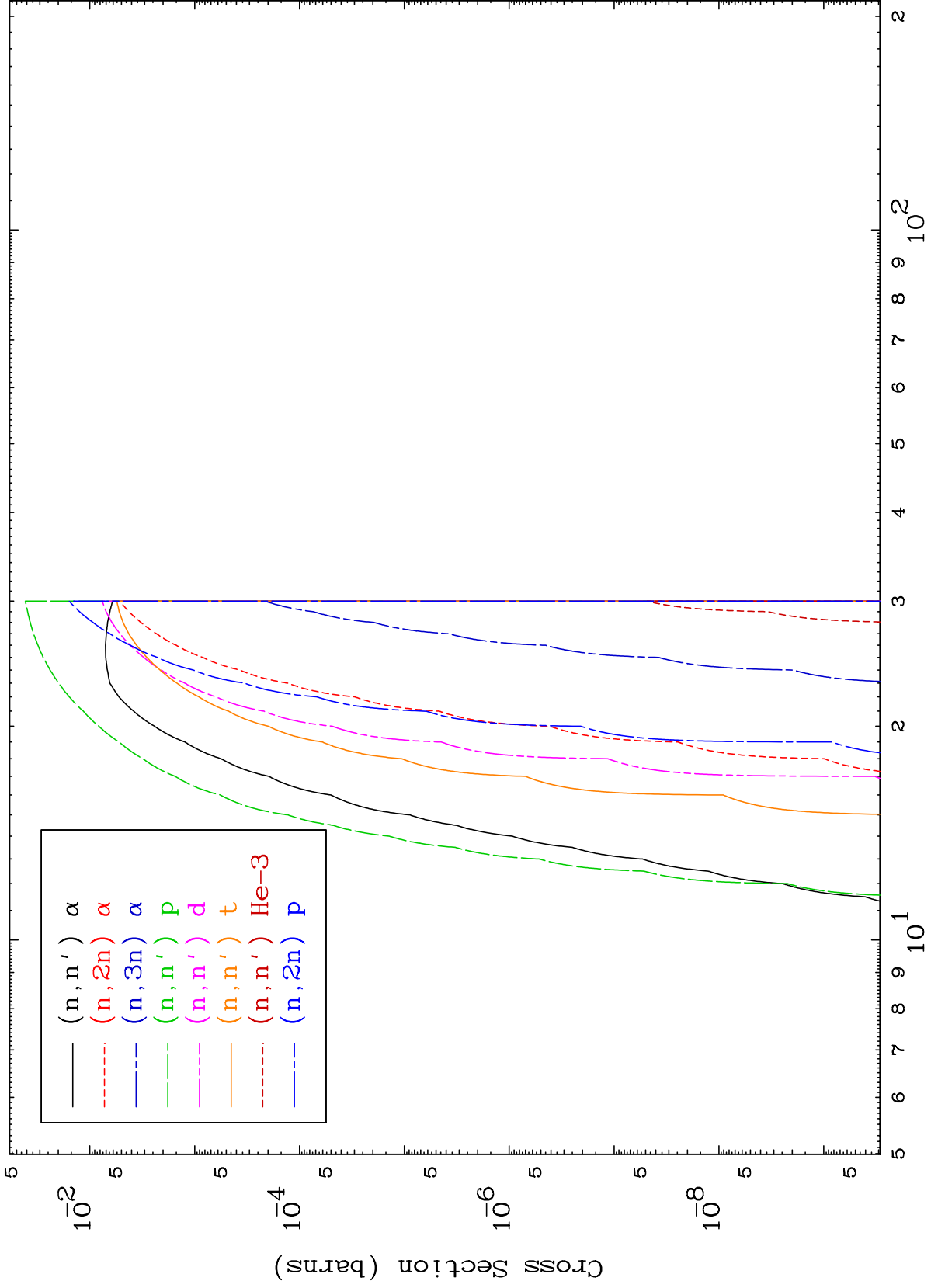
Neutron Absorption  
293 Kelvin Cross Sections

41-Nb-101



Incident Energy (MeV)

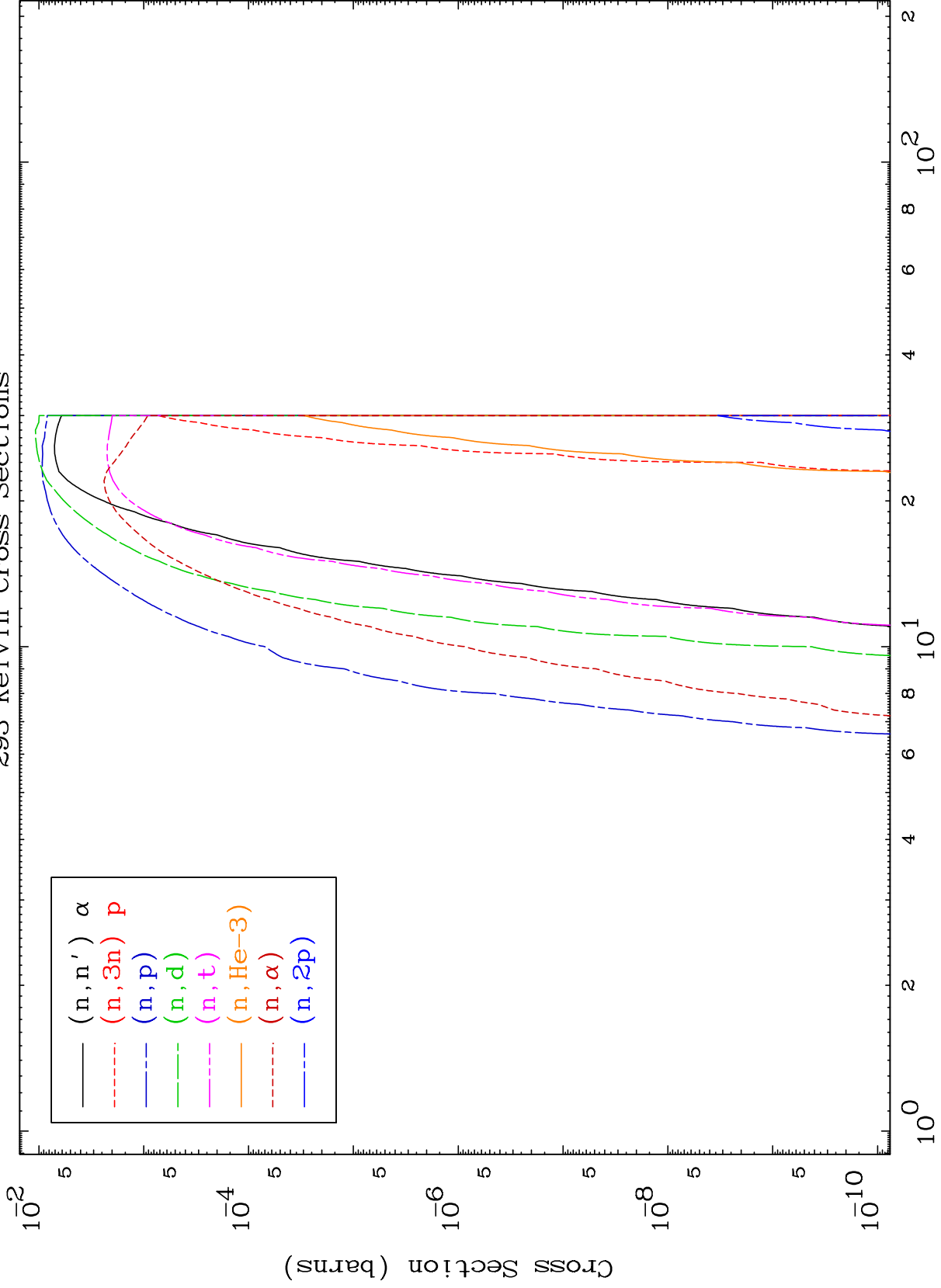
41-Nb-101



MAT 4149

Charged Particle  
293 Kelvin Cross Sections

41-Nb-101



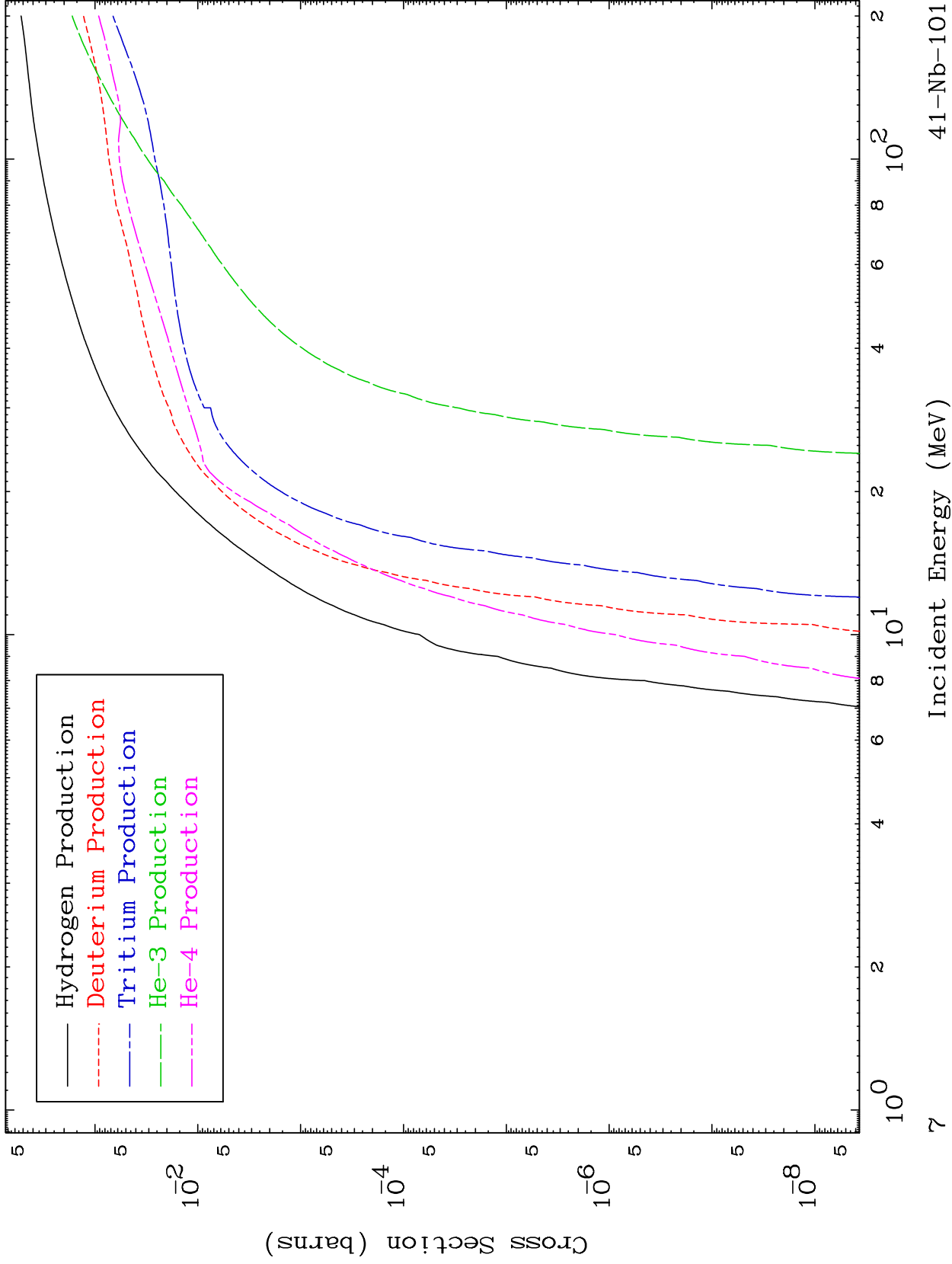
Incident Energy (MeV)

41-Nb-101

MAT 4149

Particle Production  
293 Kelvin Cross Sections

41-Nb-101

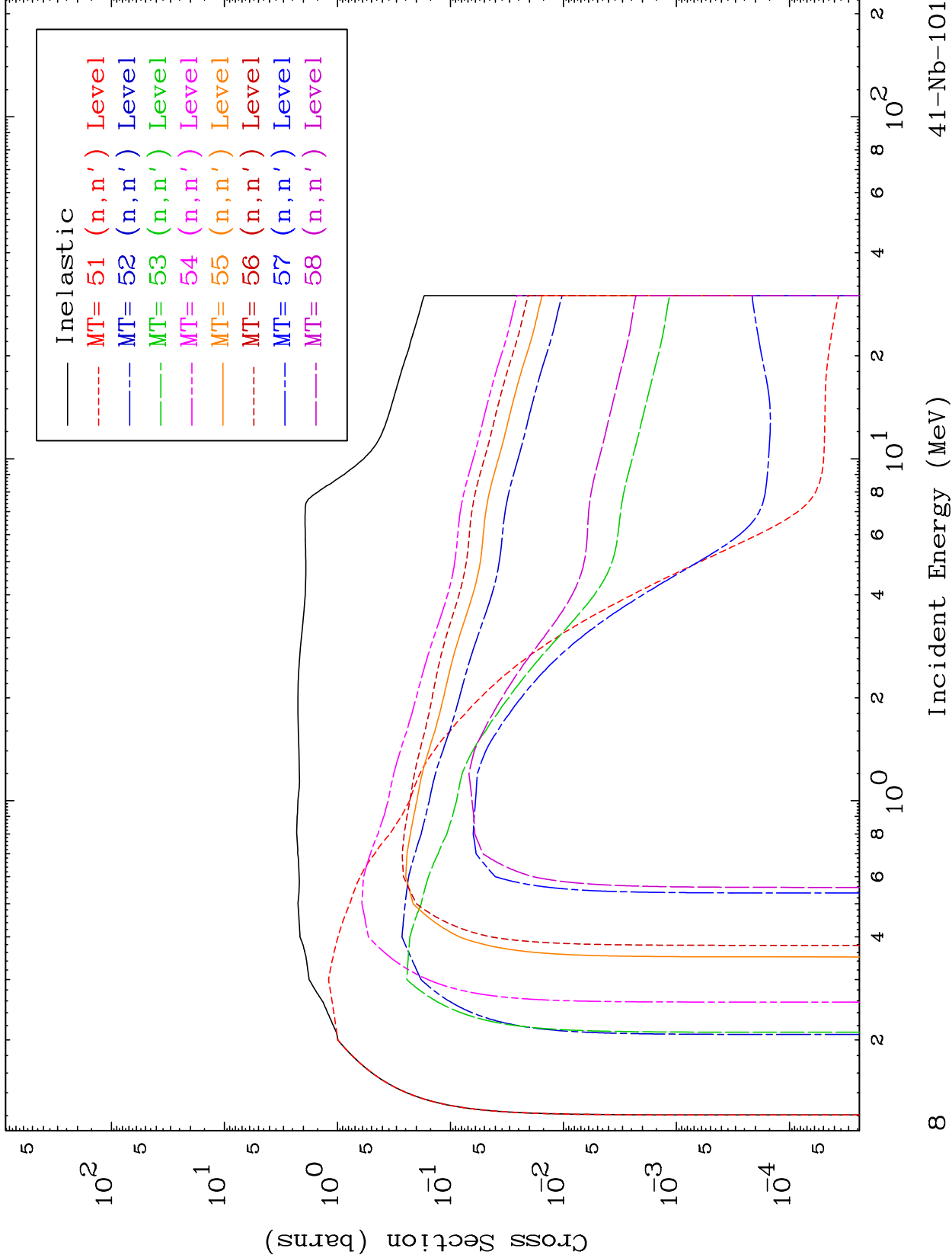


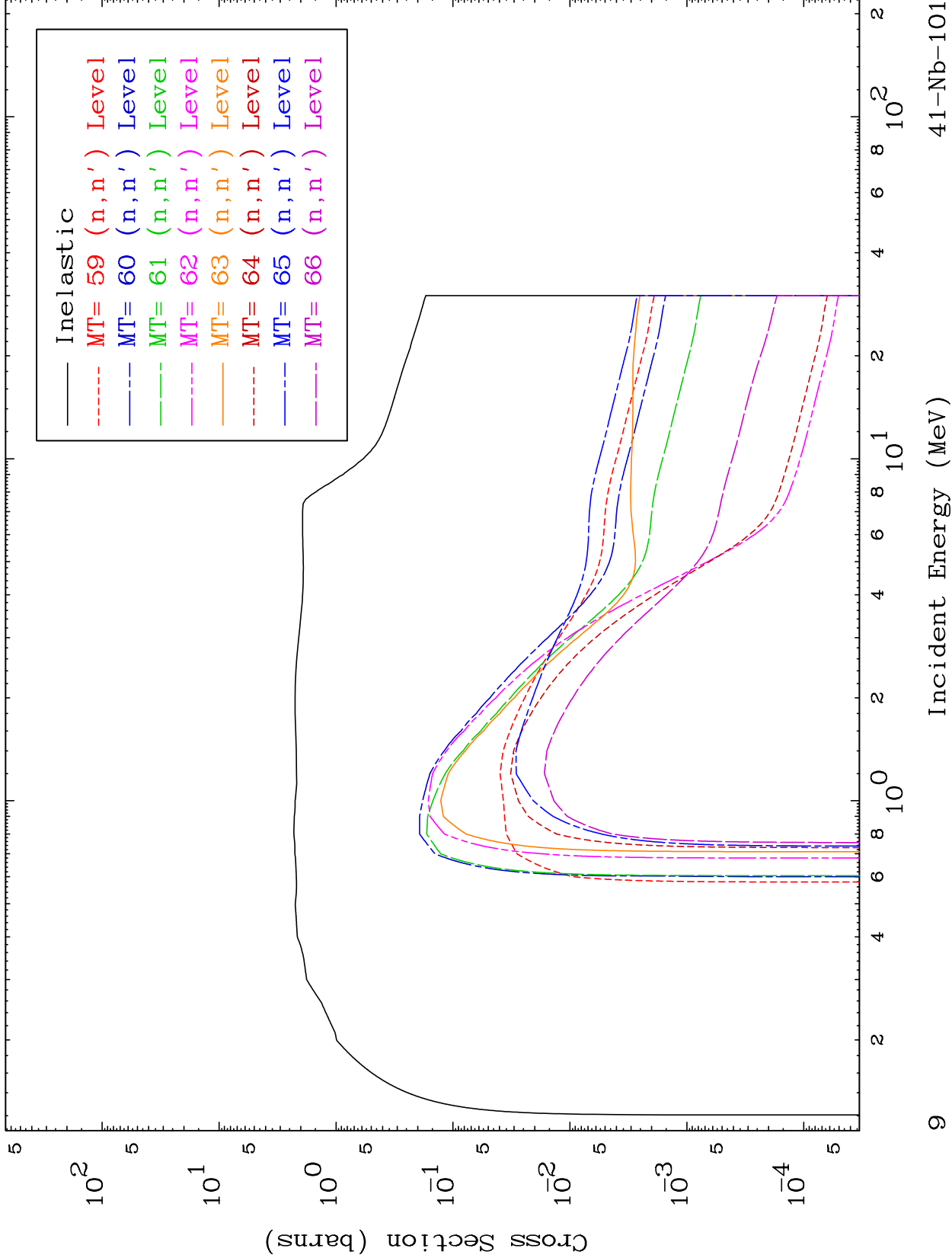
41-Nb-101

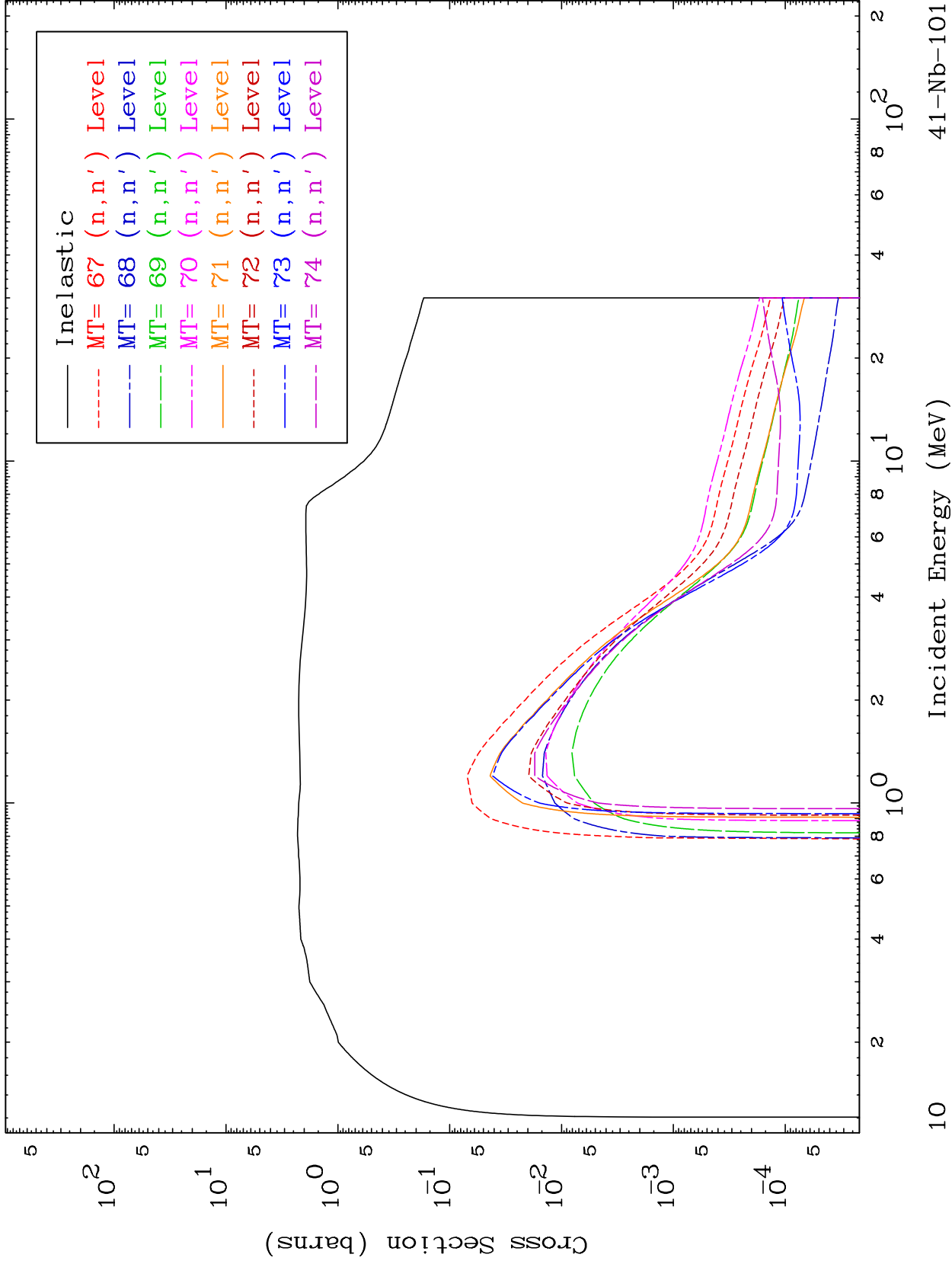
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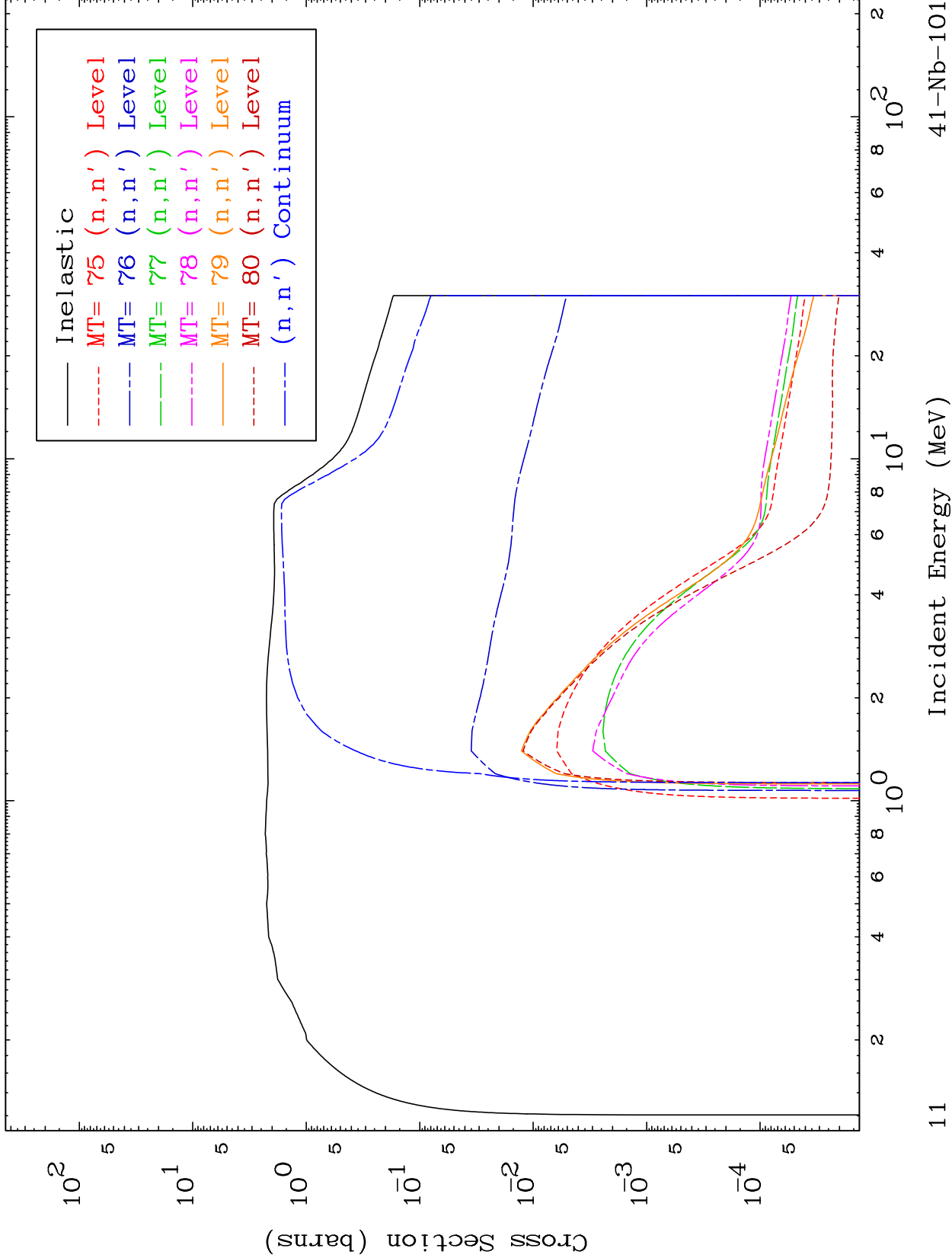
7







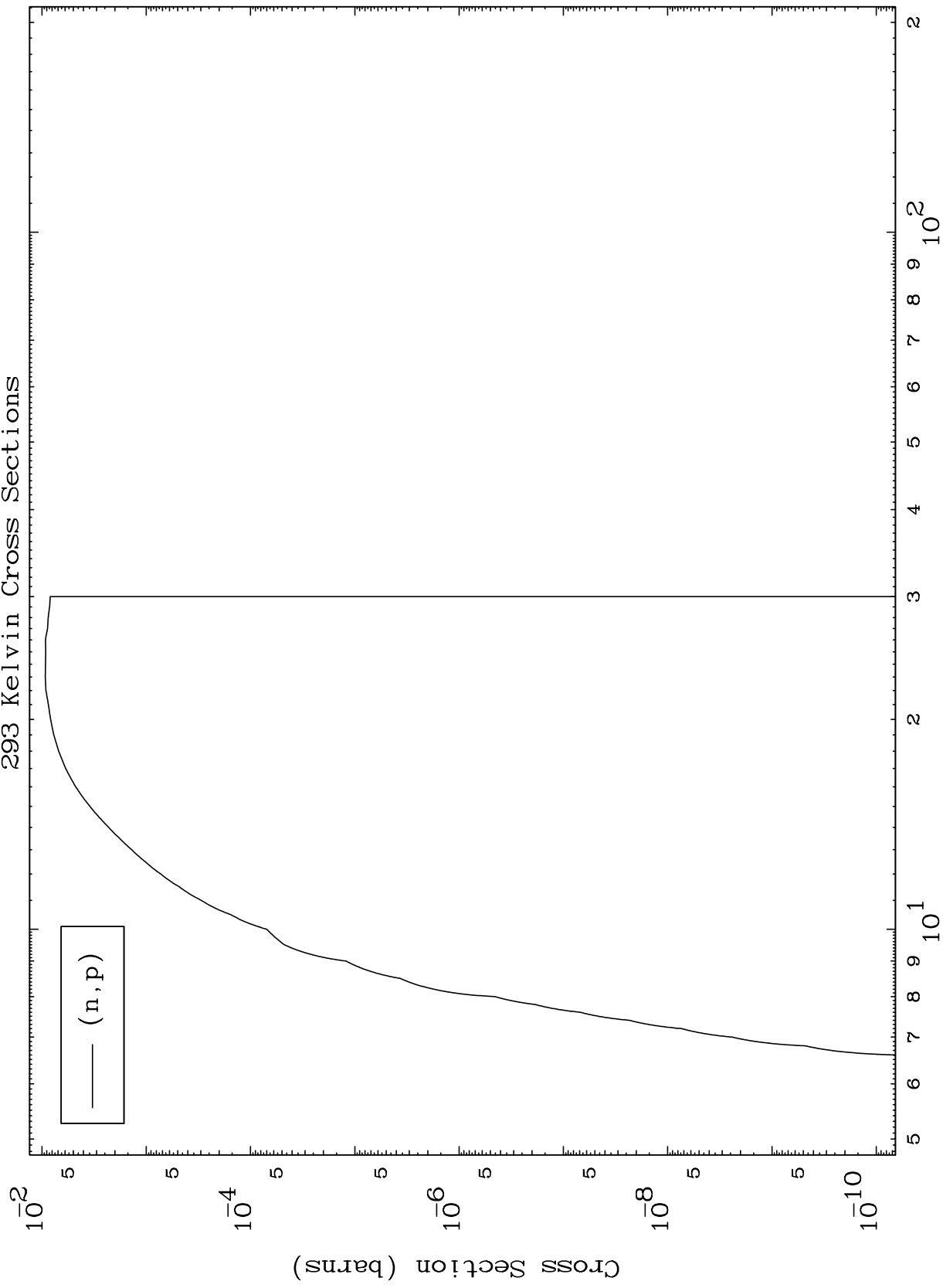




MAT 4149

41-Nb-101

(n,p) Levels  
293 Kelvin Cross Sections



12

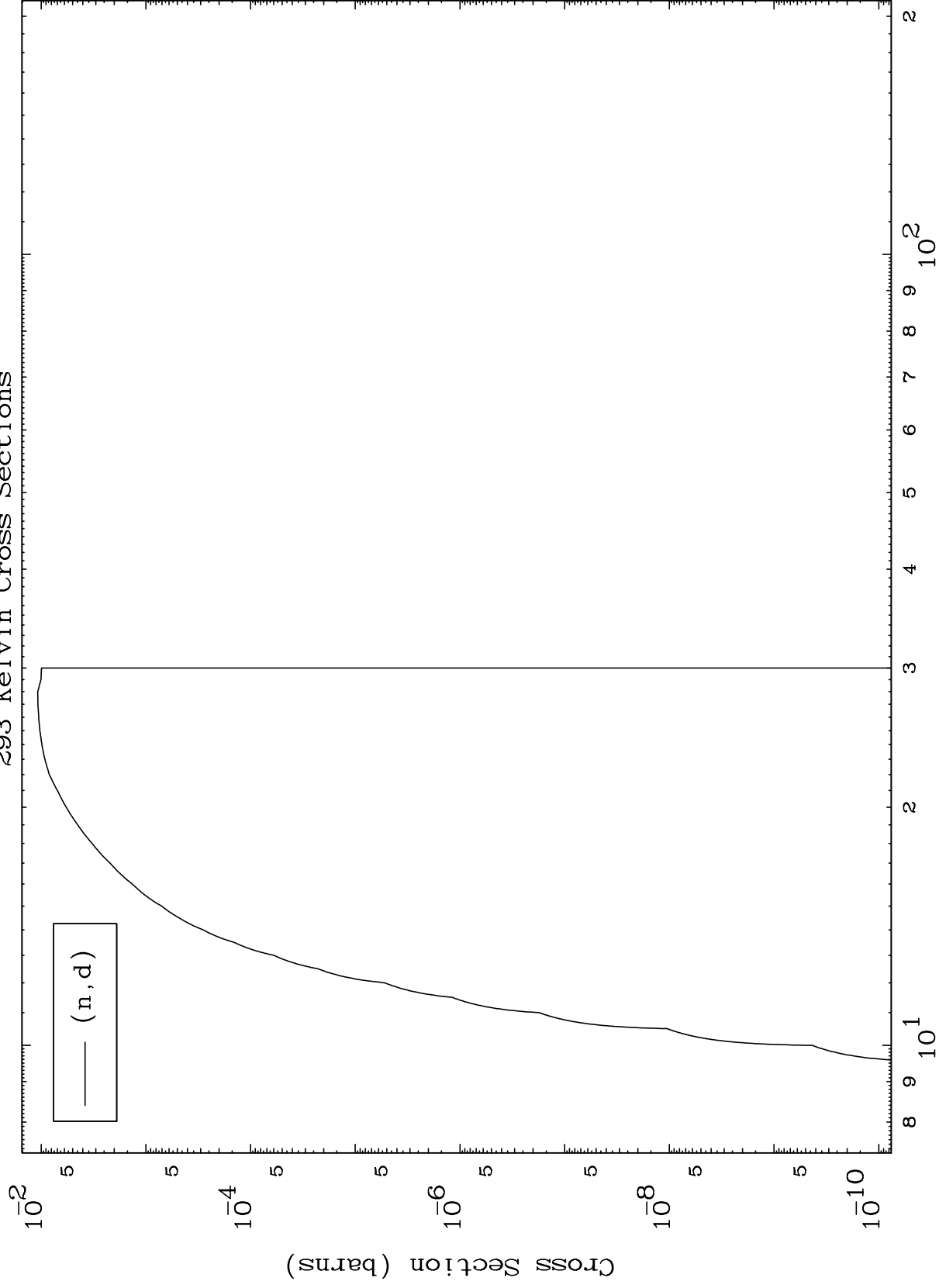
41-Nb-101

Incident Energy (MeV)

MAT 4149

(n,d) Levels  
293 Kelvin Cross Sections

41-Nb-101



13

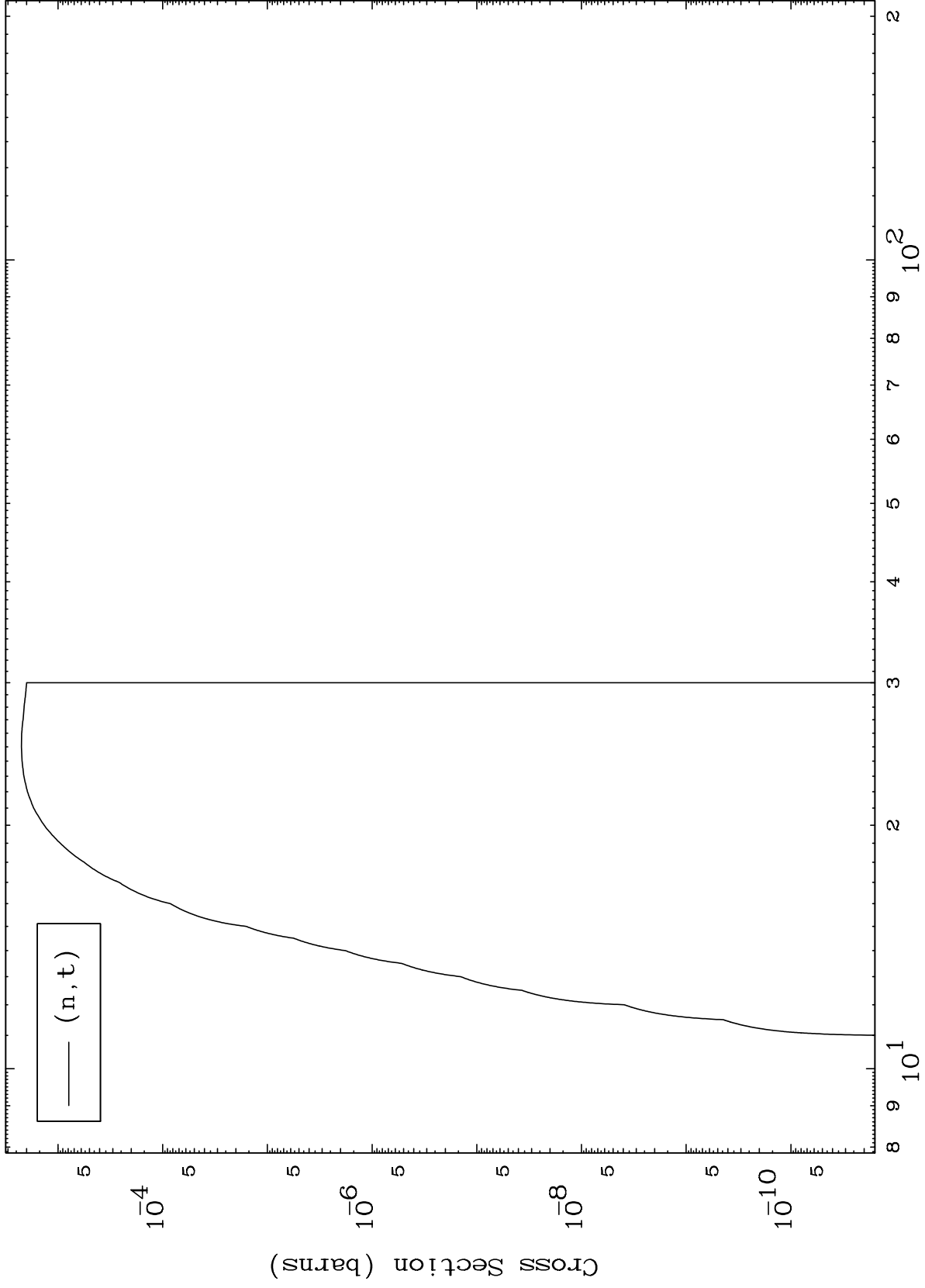
Incident Energy (MeV)

41-Nb-101

MAT 4149

(n,t) Levels  
293 Kelvin Cross Sections

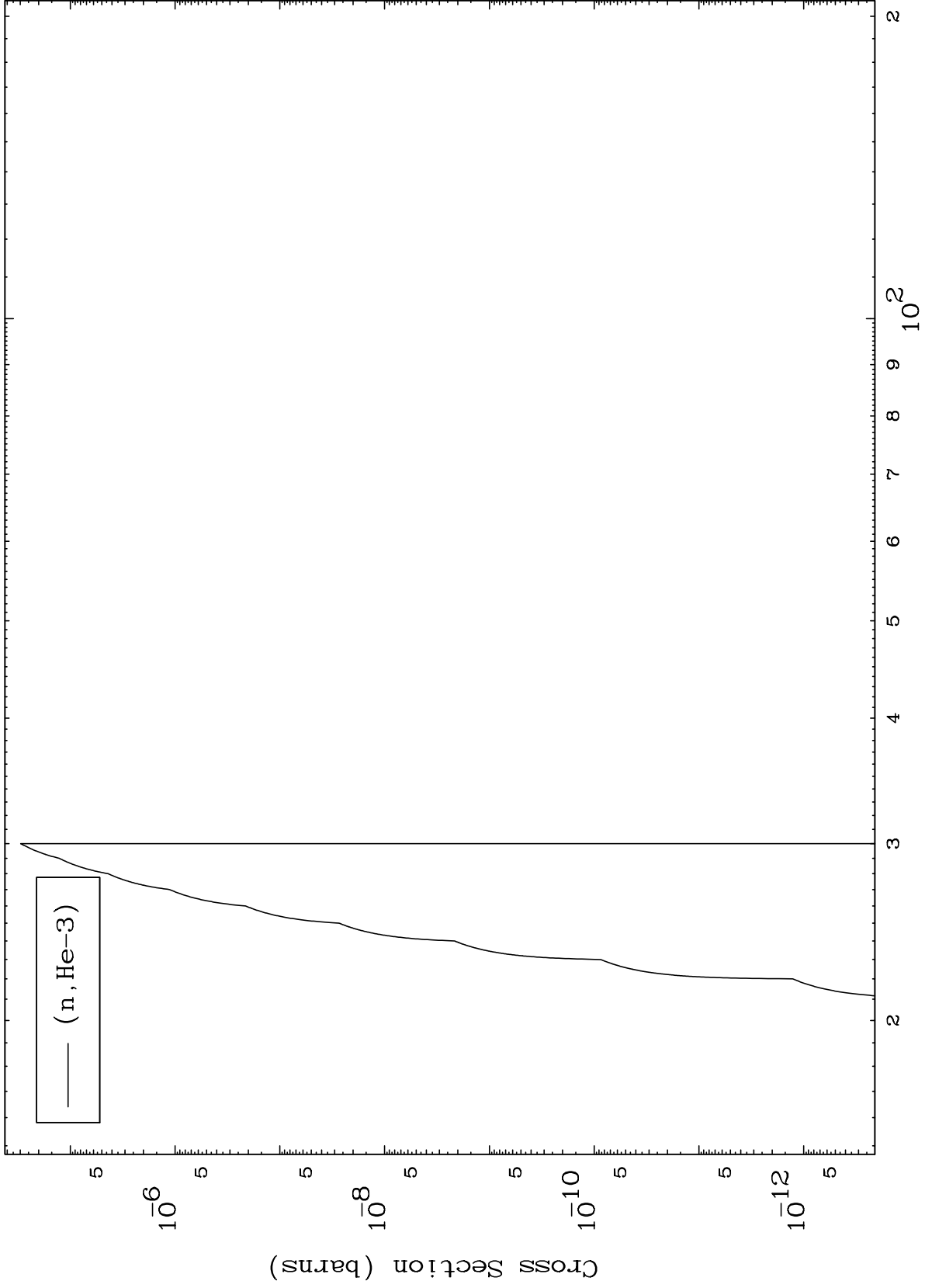
41-Nb-101



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Incident Energy (MeV)

41-Nb-101

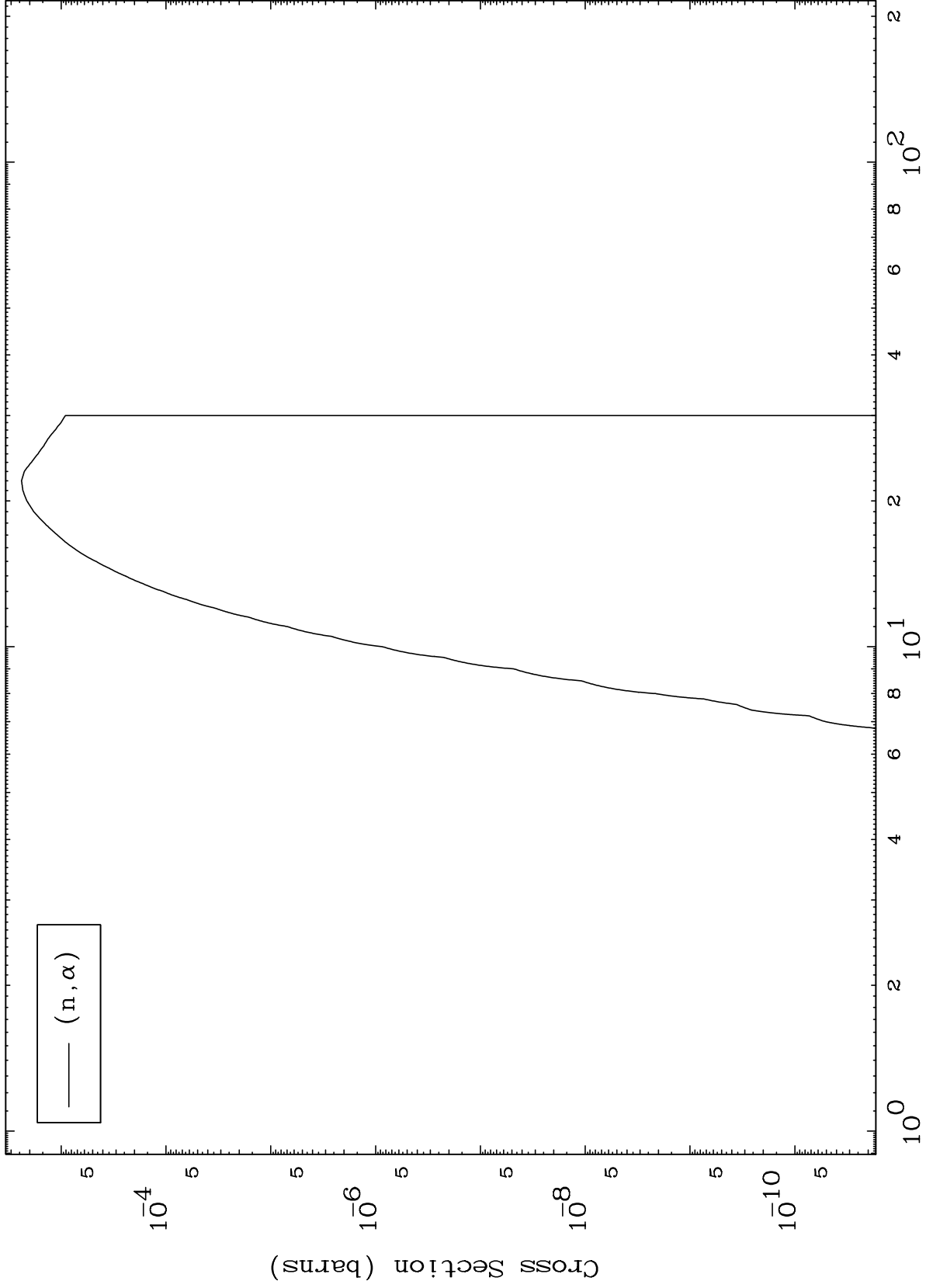




MAT 4149

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

41-Nb-101



16

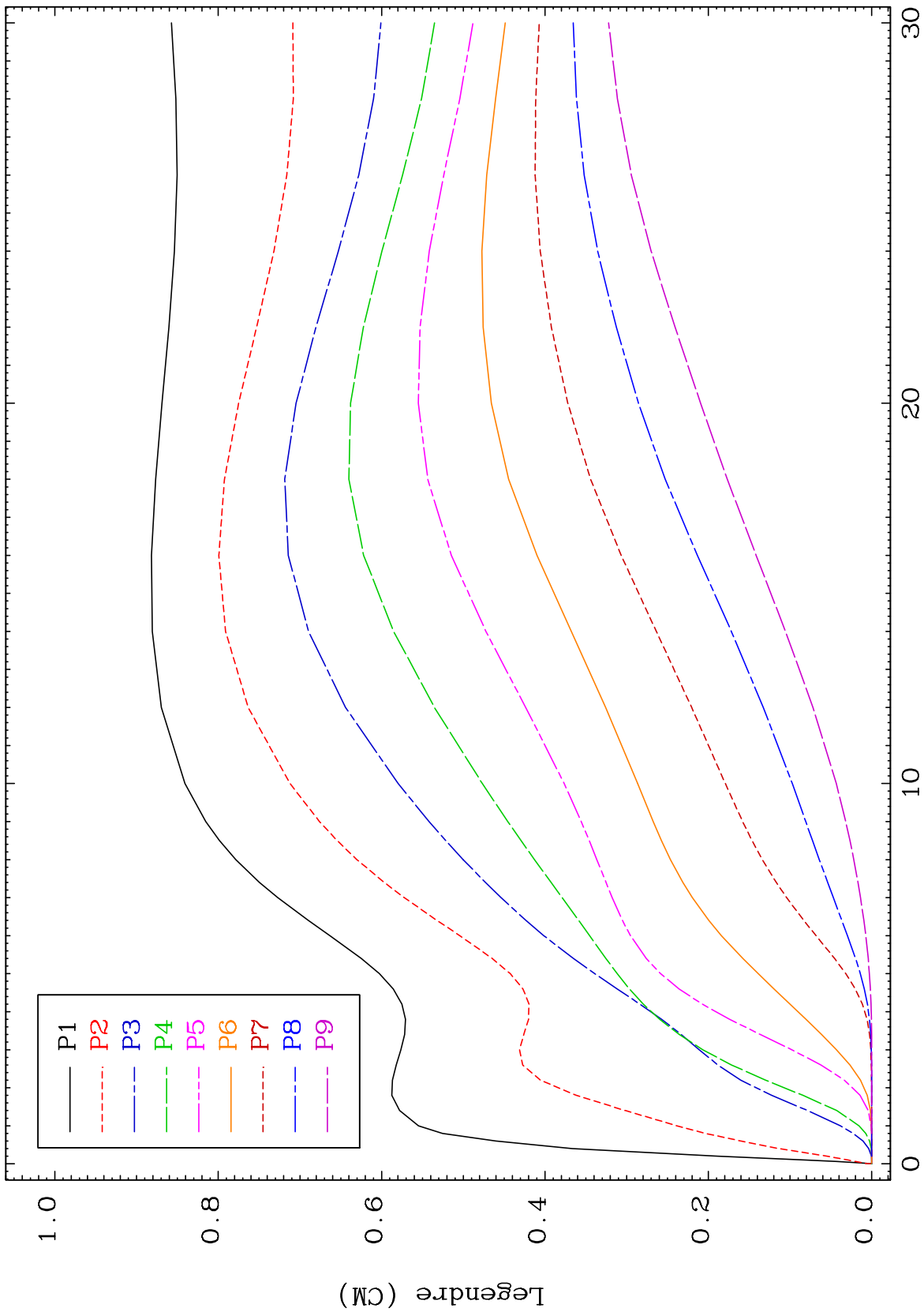
Incident Energy (MeV)

41-Nb-101

MAT 4149

Elastic Legendre Coefficients

41-Nb-101



17

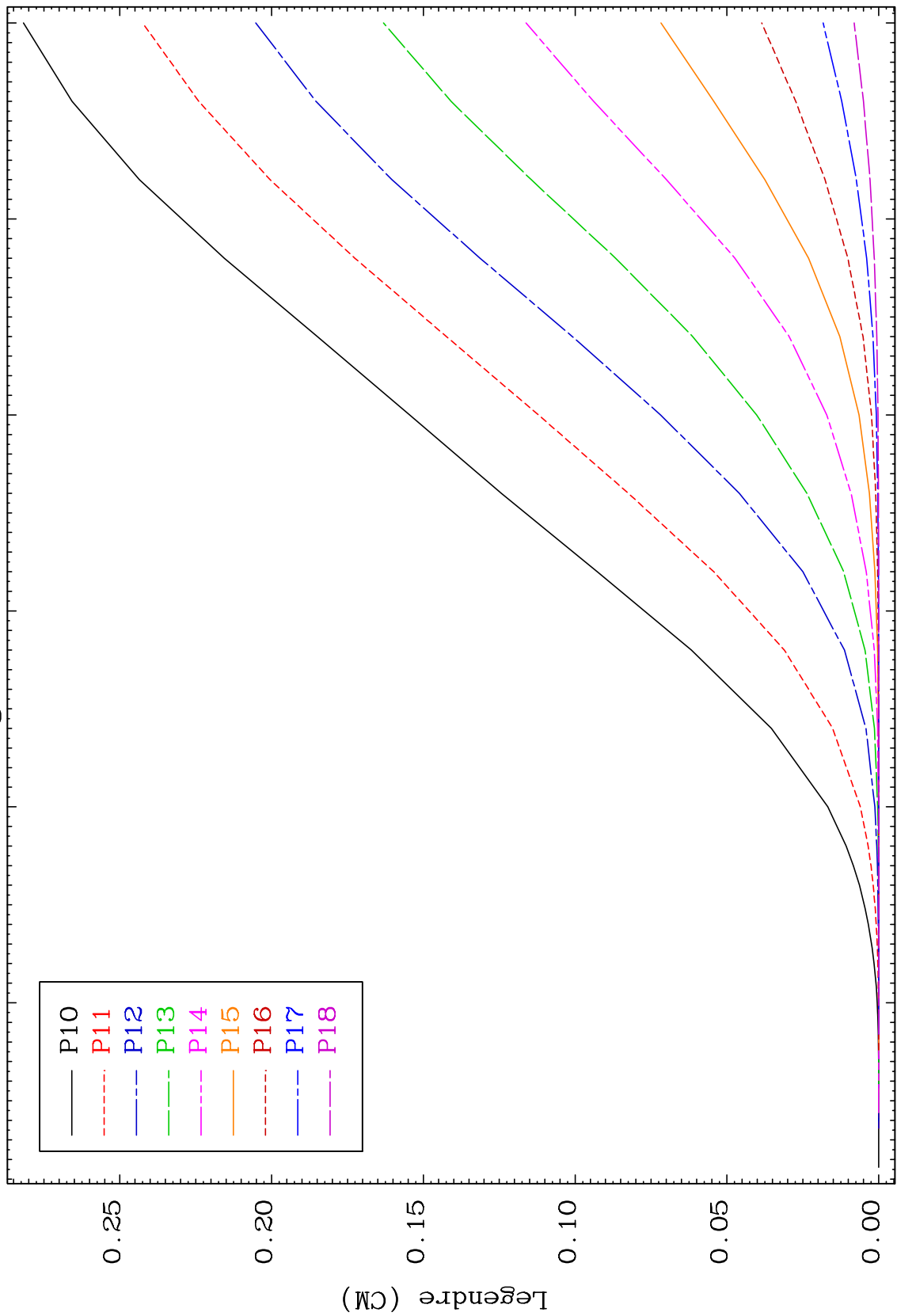
Incident Energy (MeV)

41-Nb-101

MAT 4149

Elastic Legendre Coefficients

41-Nb-101



18

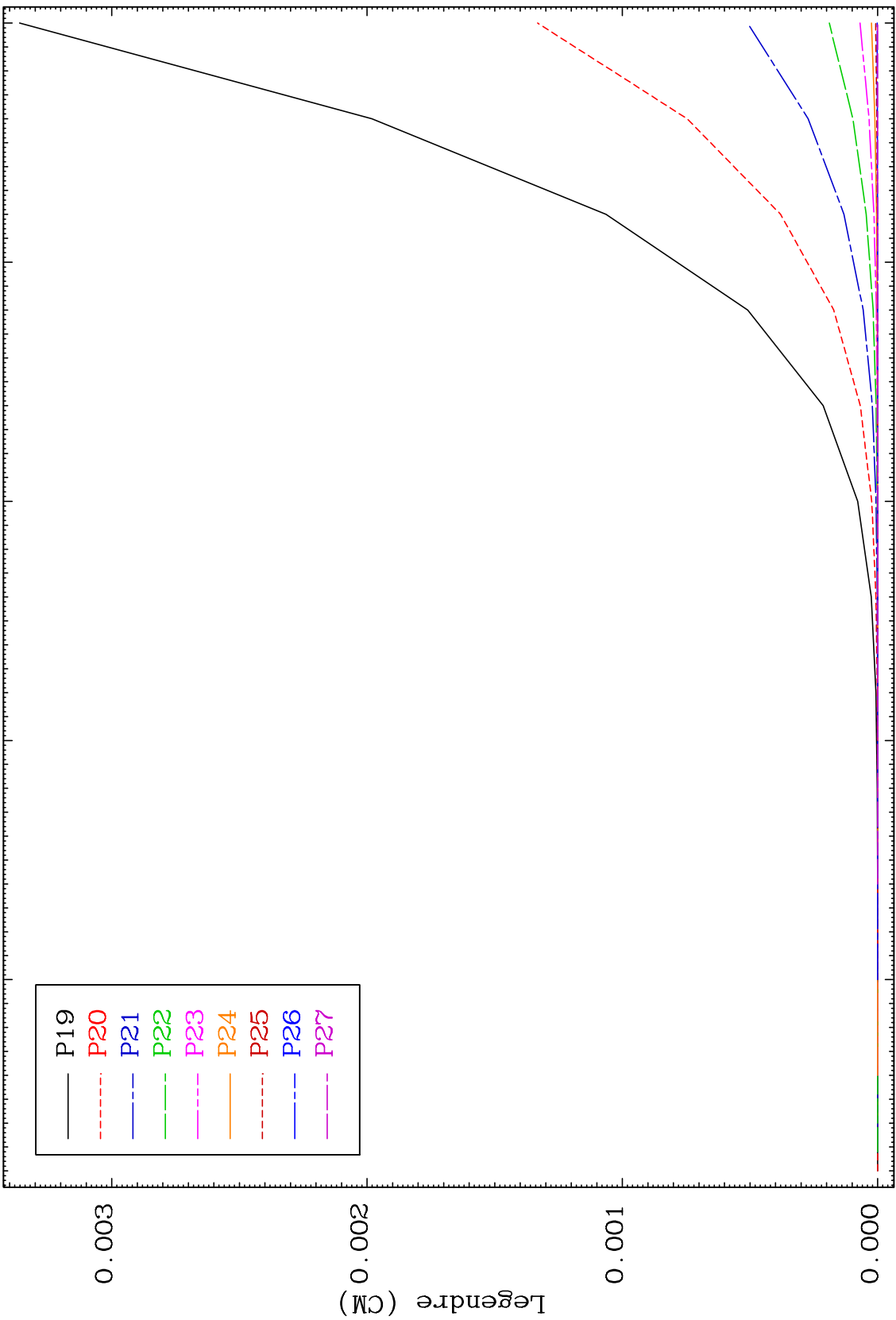
41-Nb-101

Incident Energy (MeV)

MAT 4149

### Elastic Legendre Coefficients

41-Nb-101



19

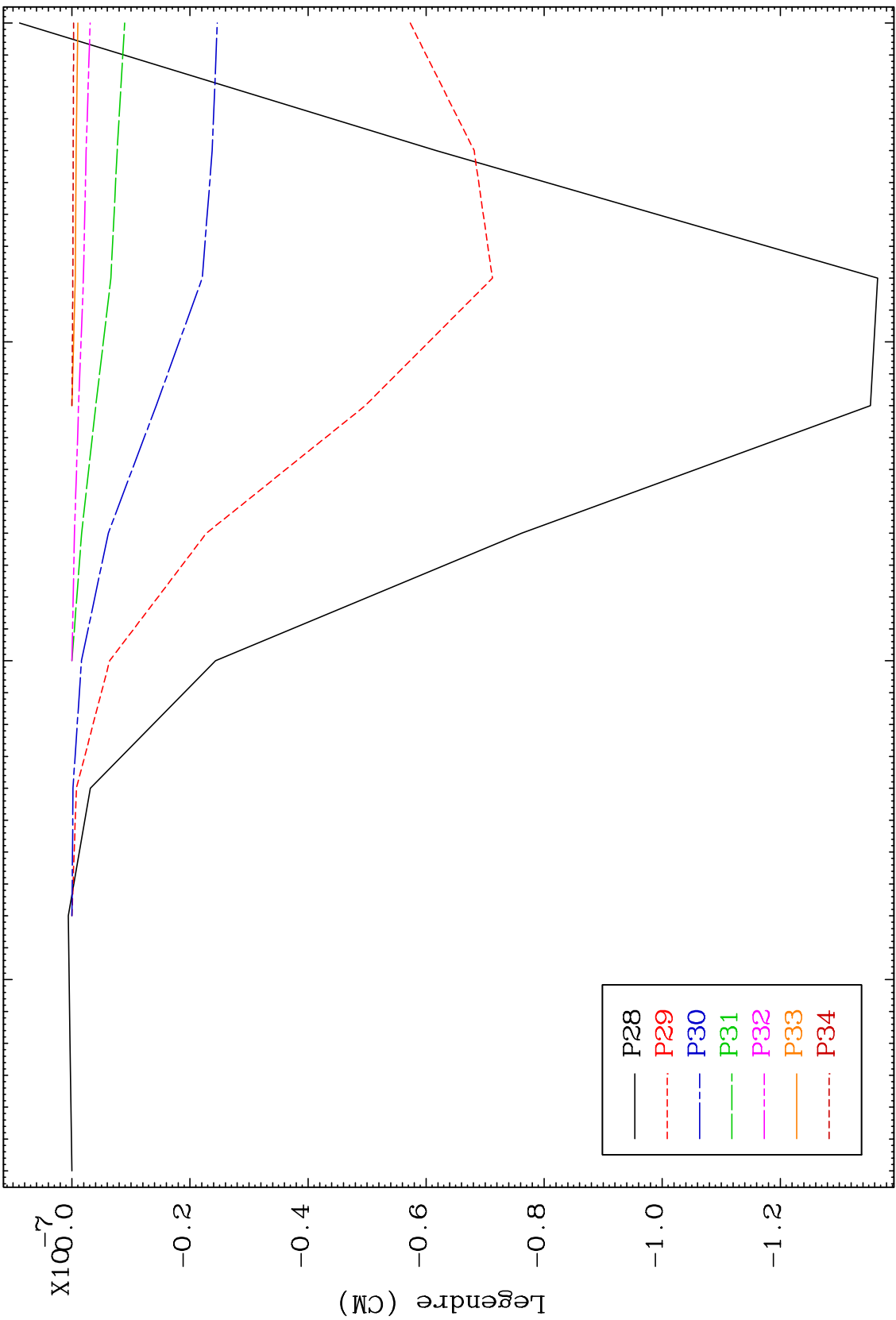
41-Nb-101

Incident Energy (MeV)

MAT 4149

41-Nb-101

Elastic Legendre Coefficients



30

25

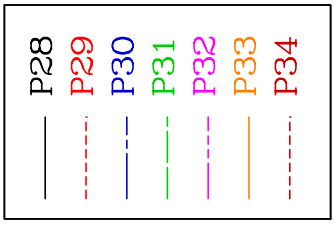
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15

41-Nb-101

Incident Energy (MeV)

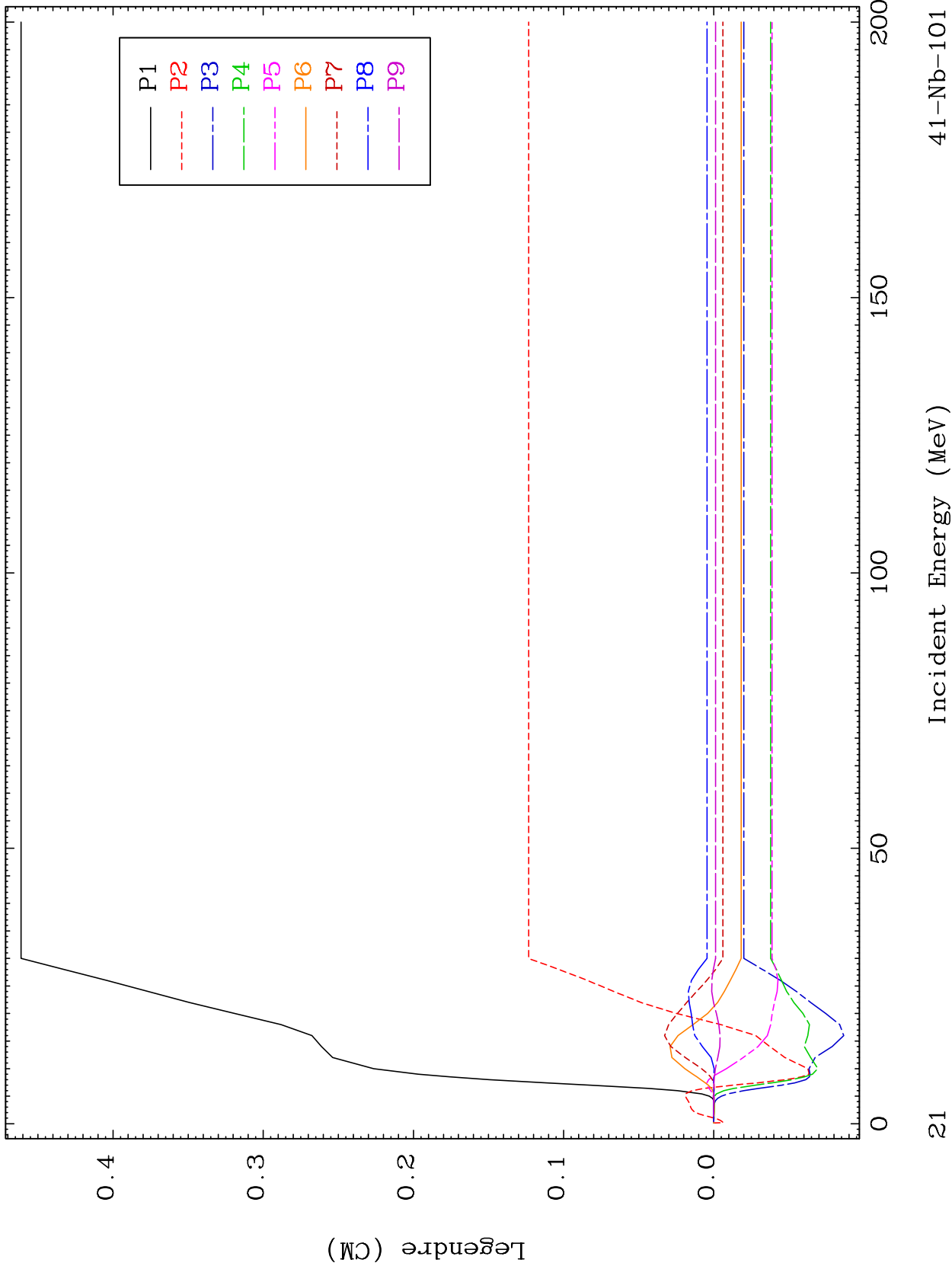
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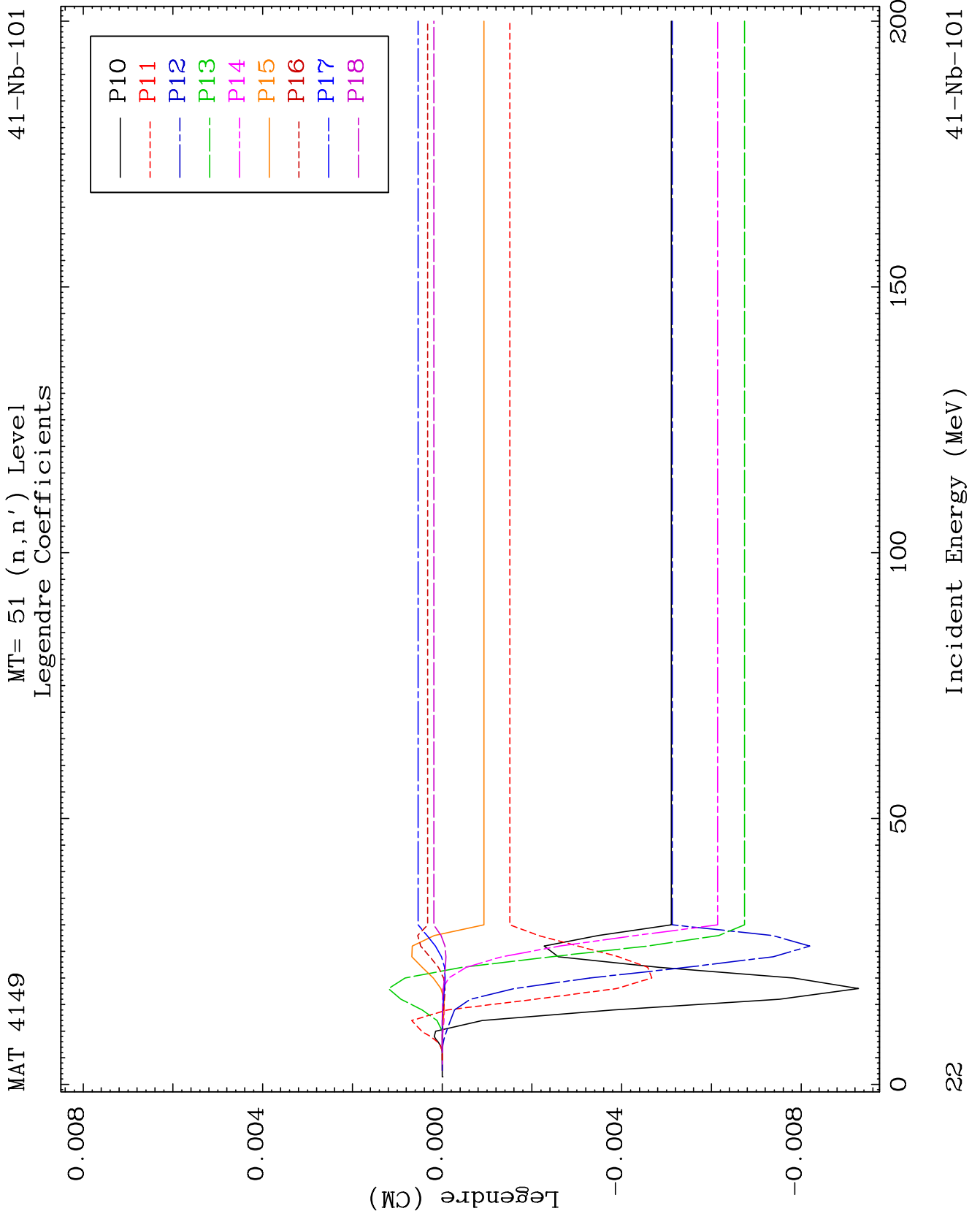


MAT 4149

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

41-Nb-101

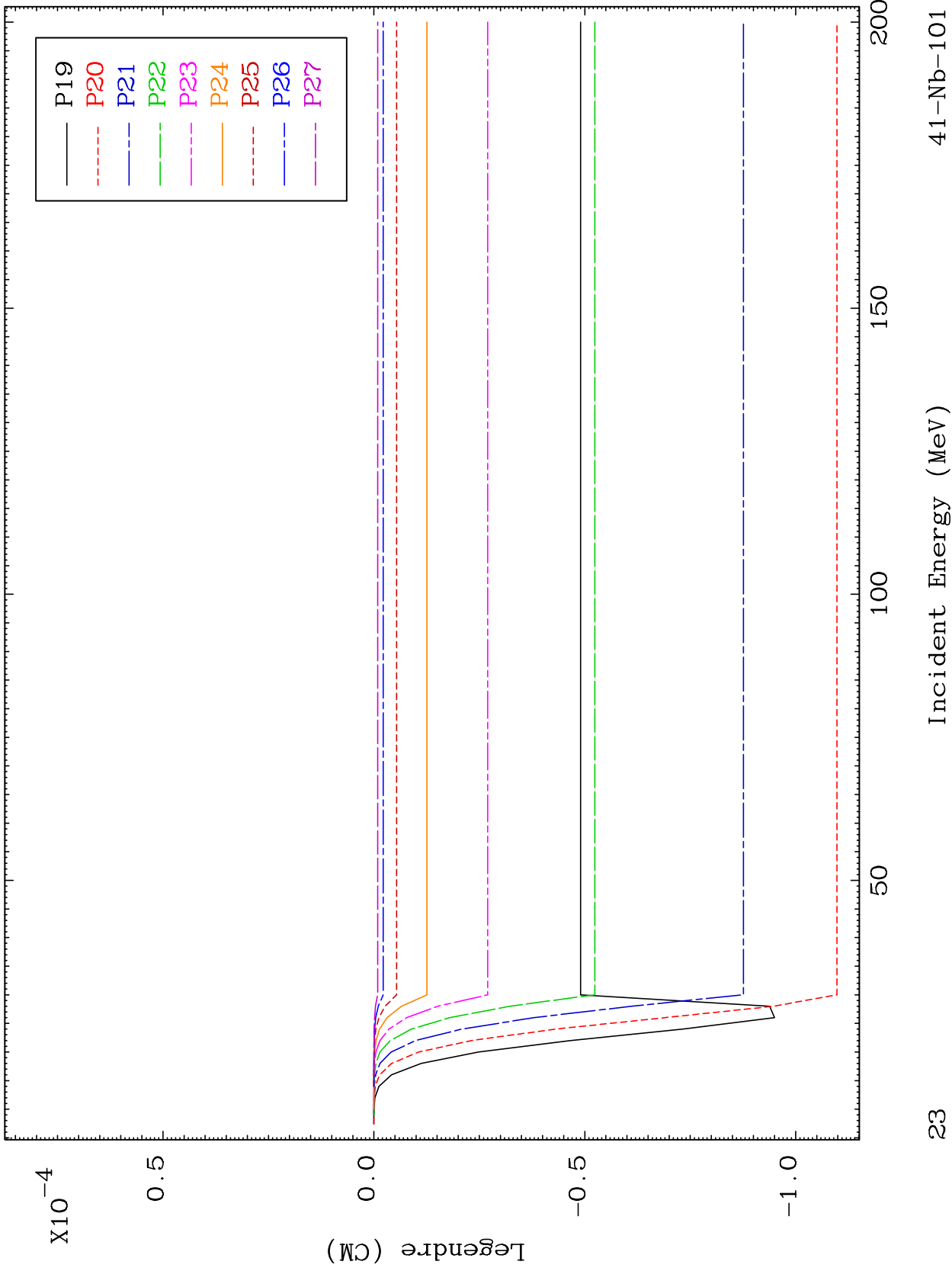




MAT 4149

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

41-Nb-101



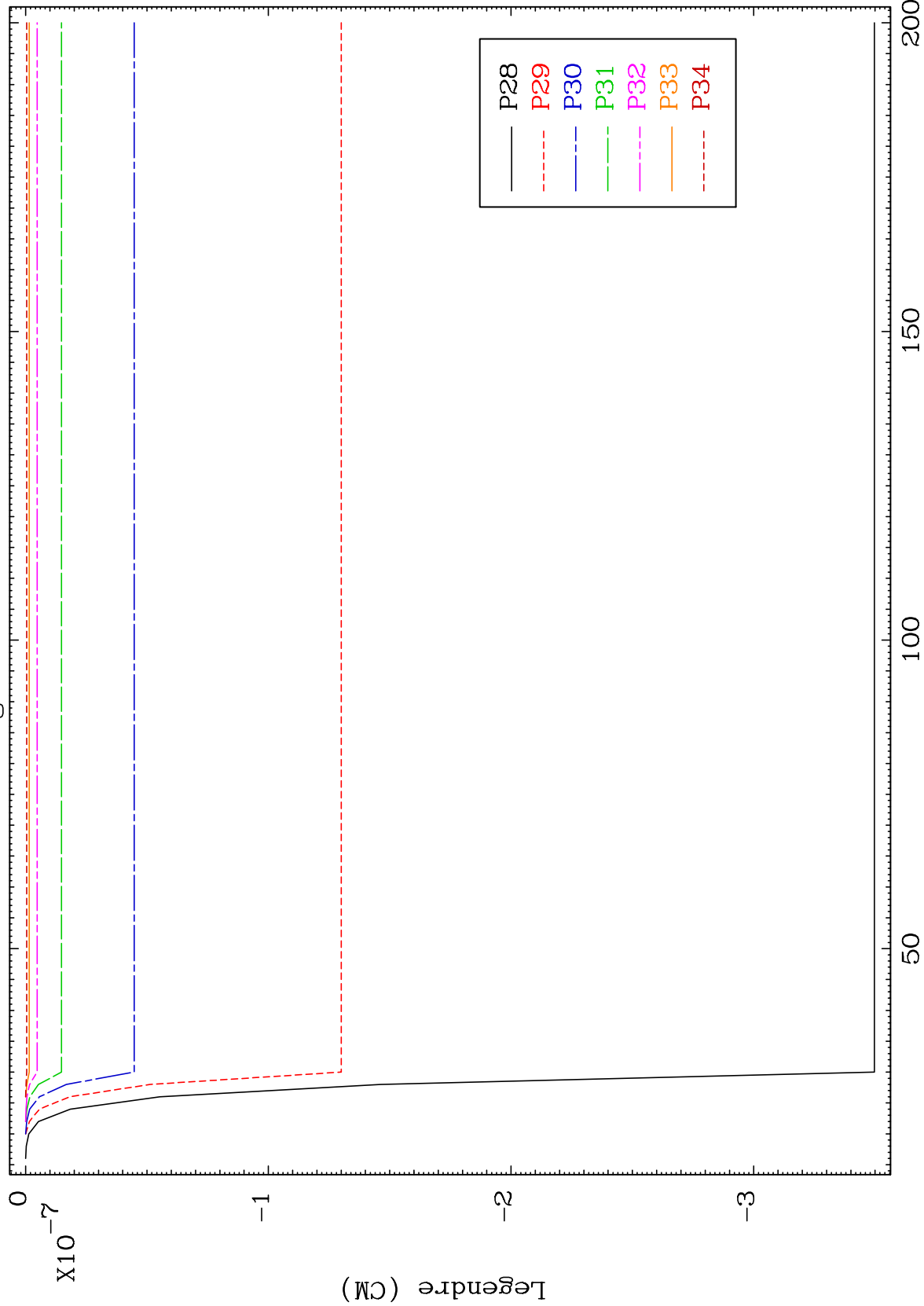


MAT 4149

MT= 51 (n,n') Level

41-Nb-101

Legendre Coefficients



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Incident Energy (MeV)

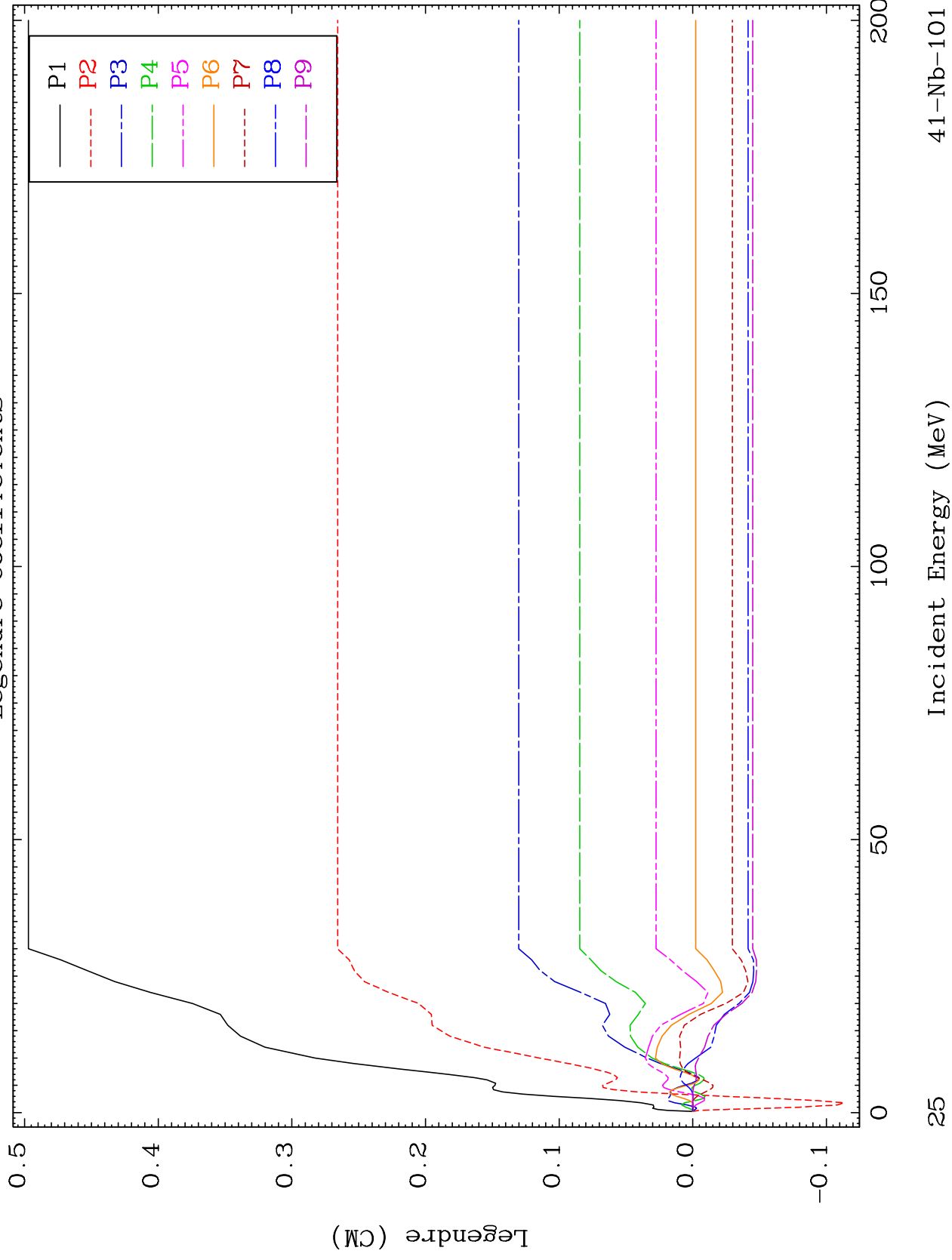
41-Nb-101

MAT 4149

MT= 52 (n,n') Level

41-Nb-101

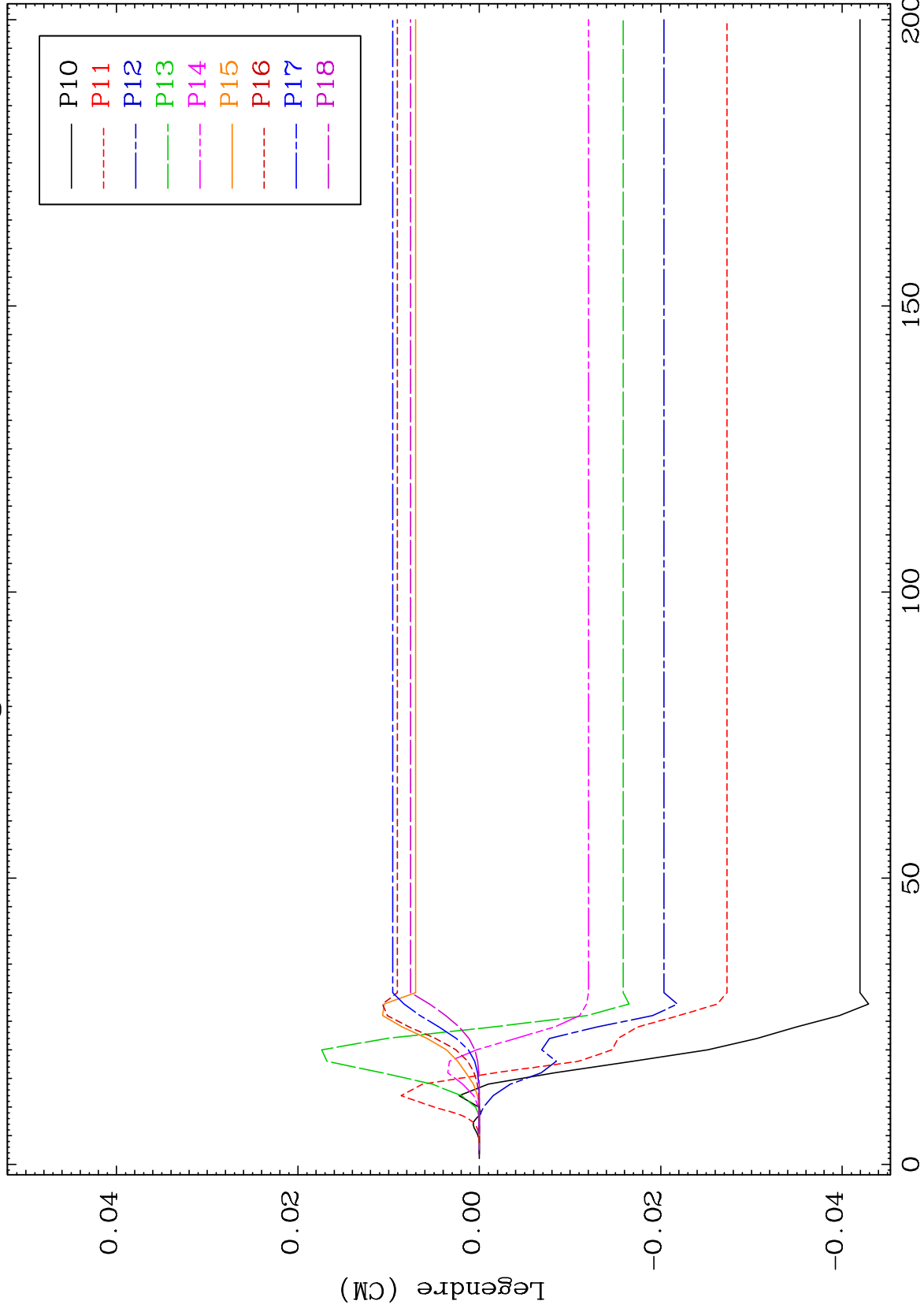
Legendre Coefficients



MAT 4149

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

41-Nb-101



26

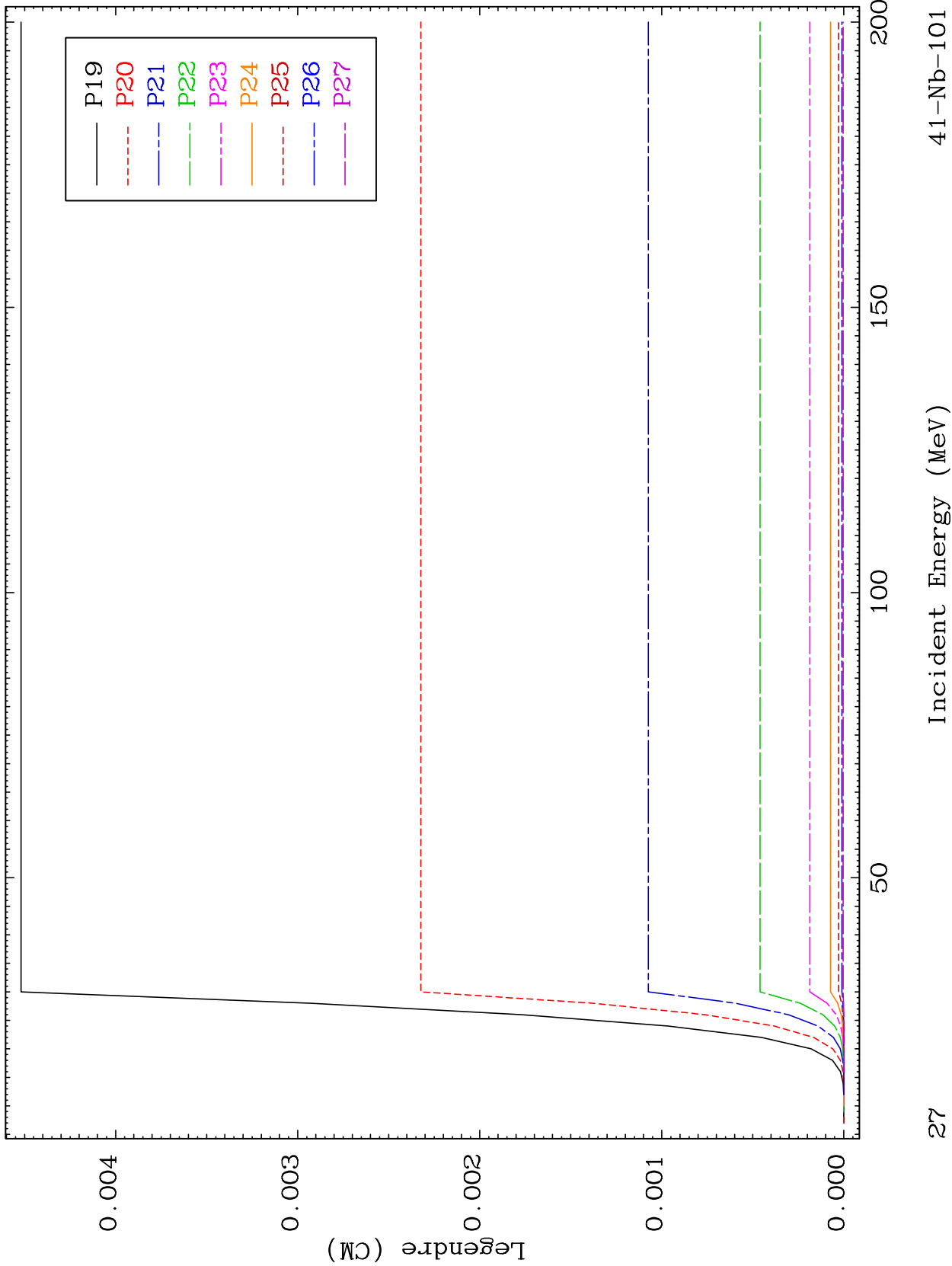
Incident Energy (MeV)

41-Nb-101

MAT 4149

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

41-Nb-101



27

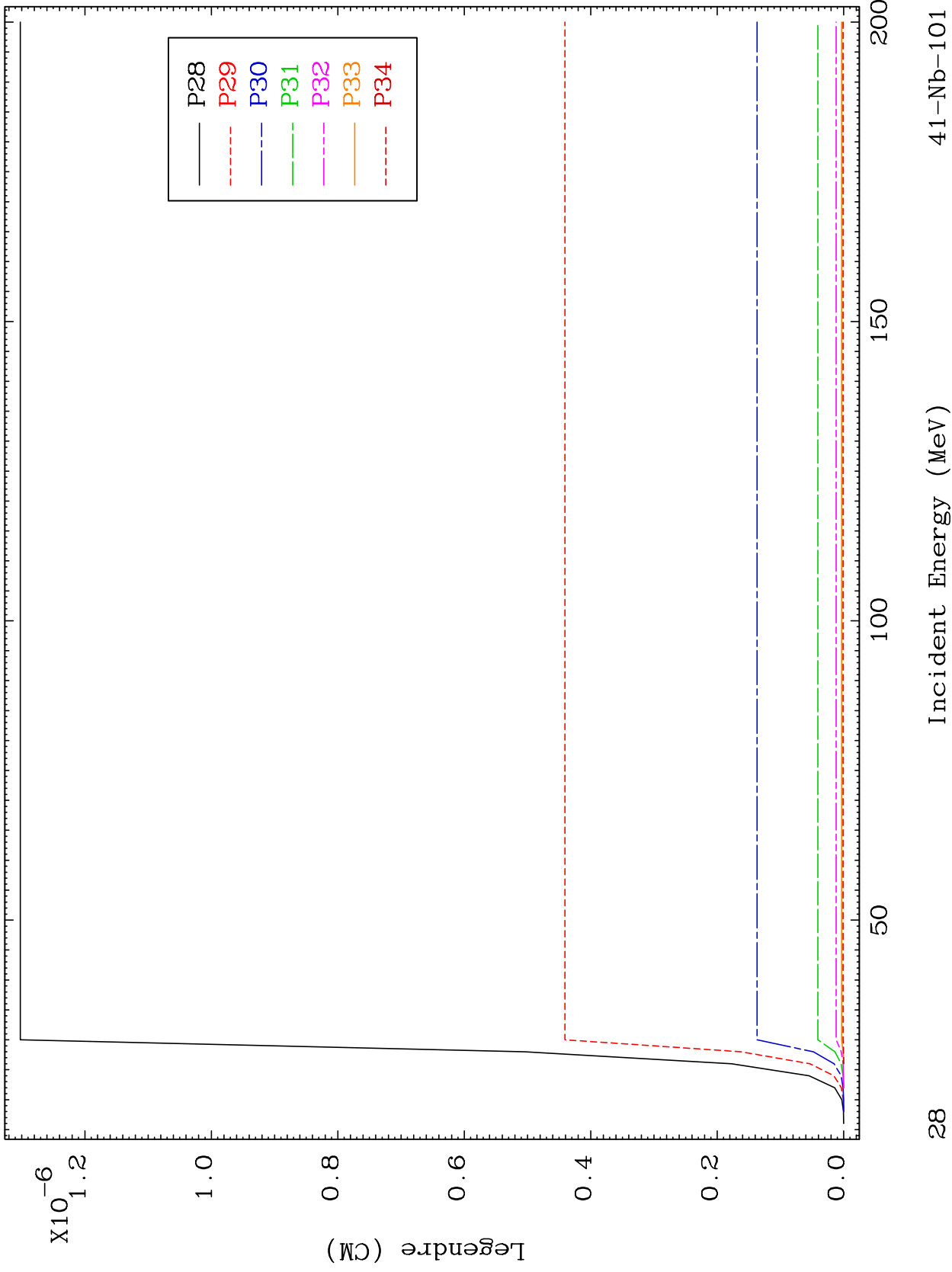
Incident Energy (MeV)

41-Nb-101

MAT 4149

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

41-Nb-101

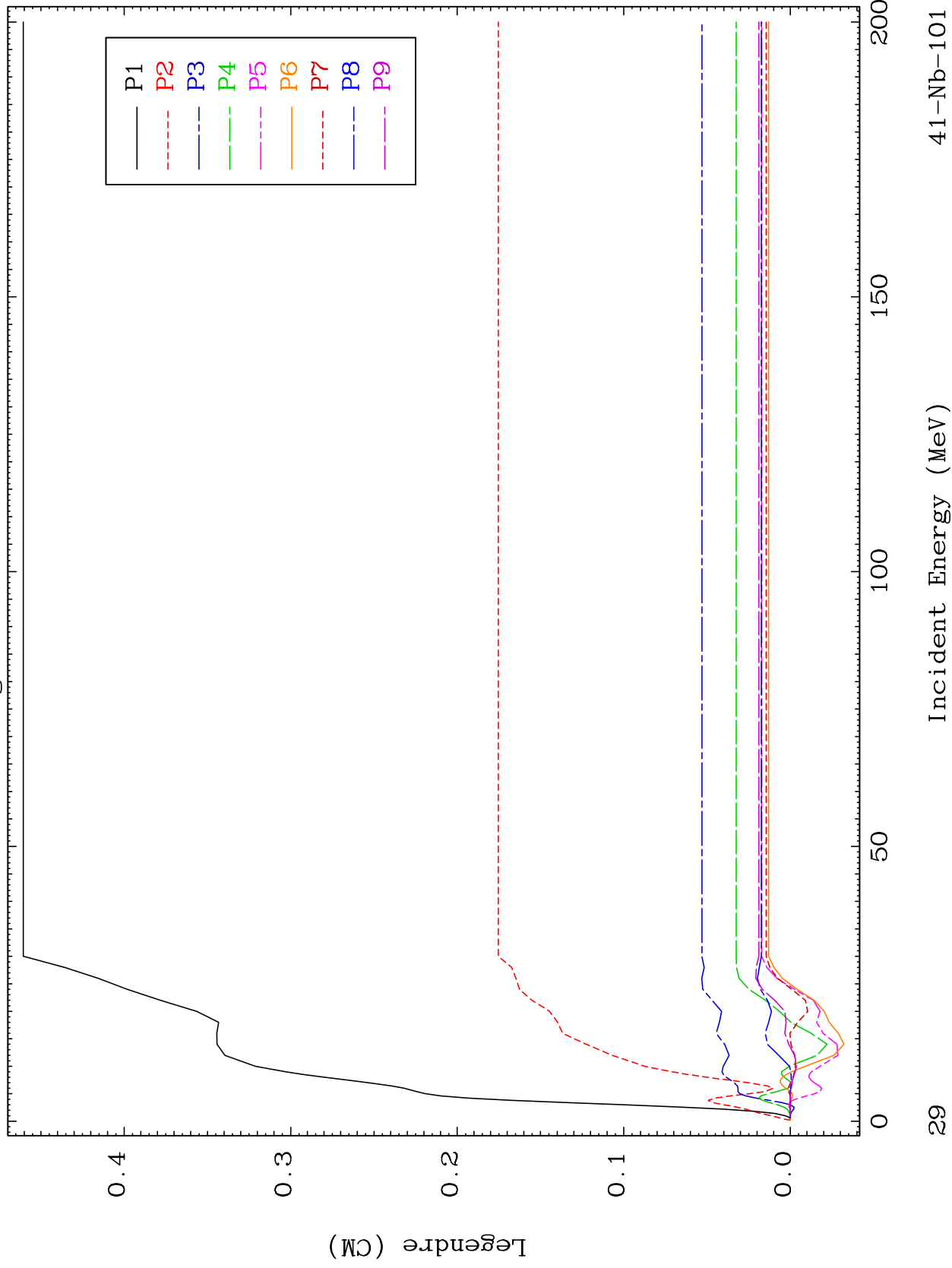


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MAT 4149

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

41-Nb-101



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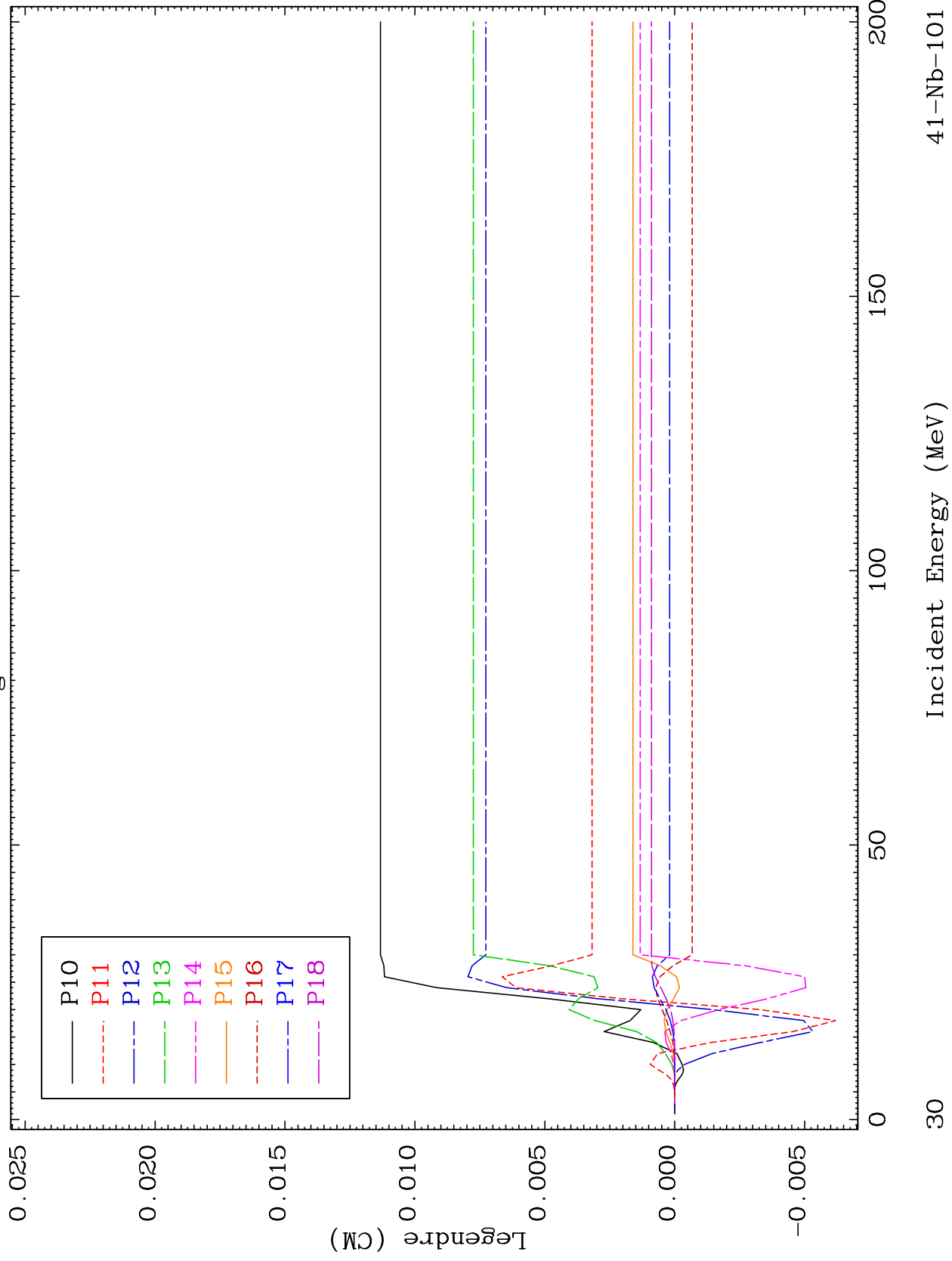
Incident Energy (MeV)

41-Nb-101

MAT 4149

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

41-Nb-101



41-Nb-101

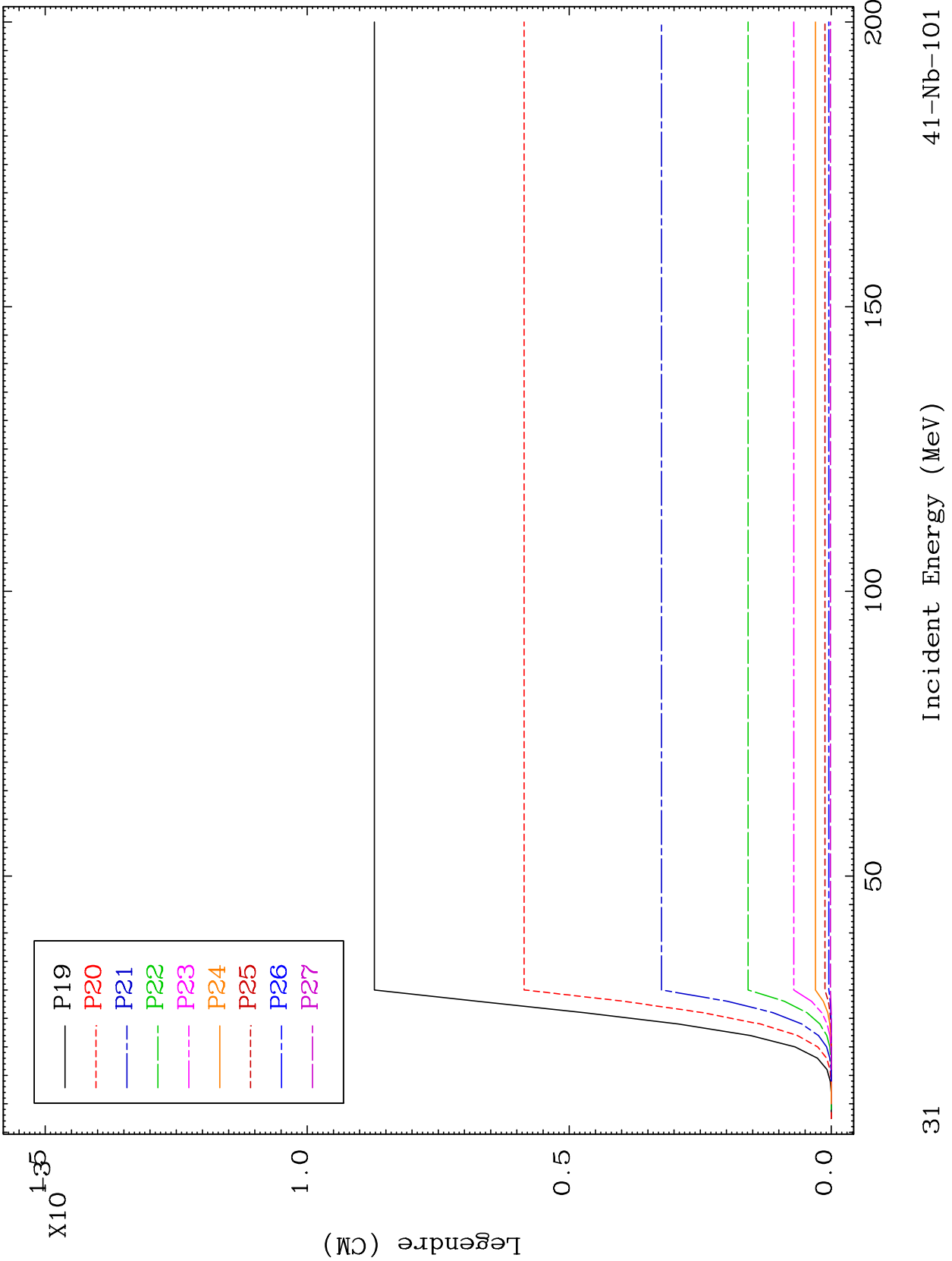
Incident Energy (MeV)

30

MAT 4149

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

41-Nb-101

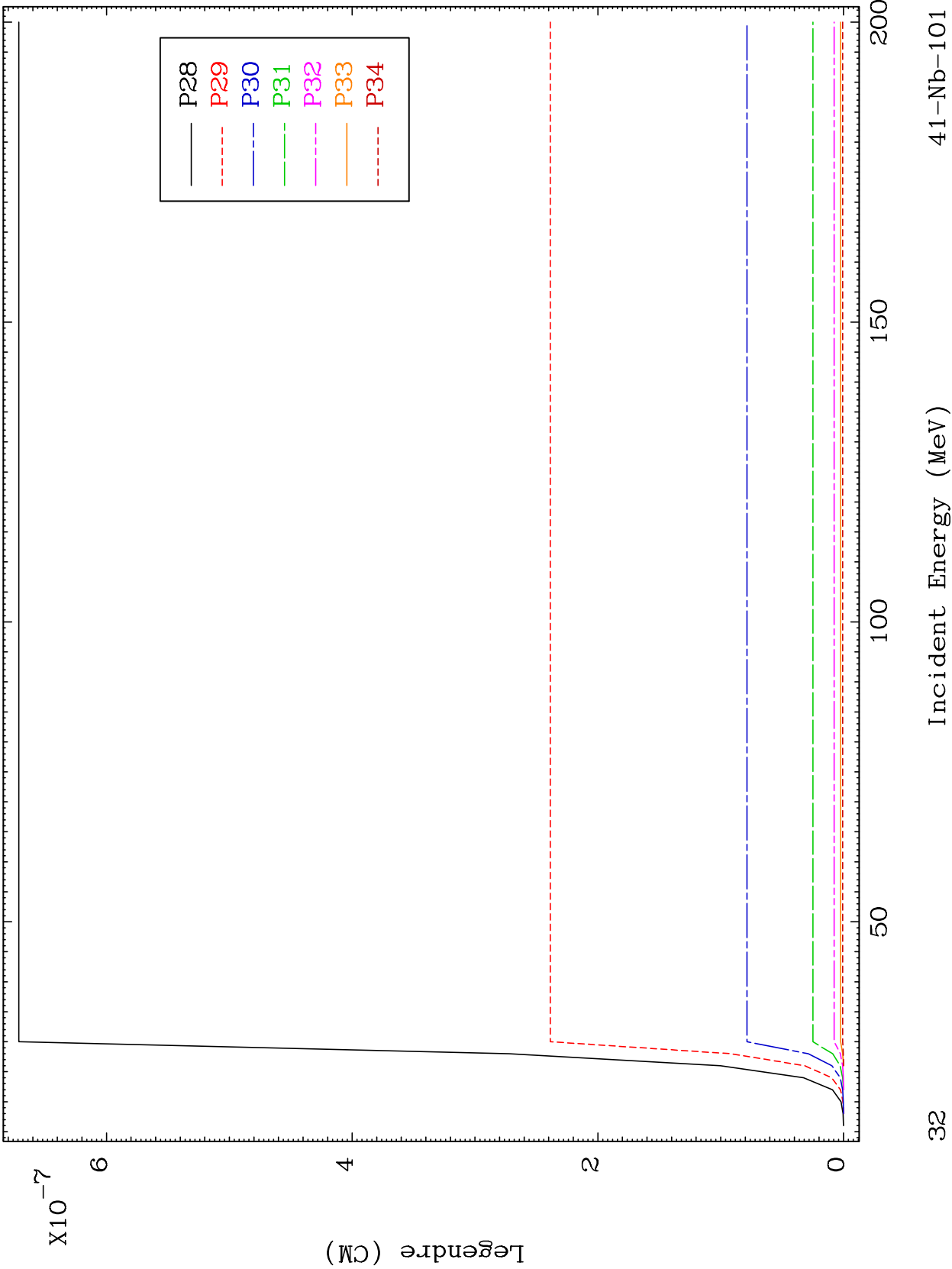




MAT 4149

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

41-Nb-101



32

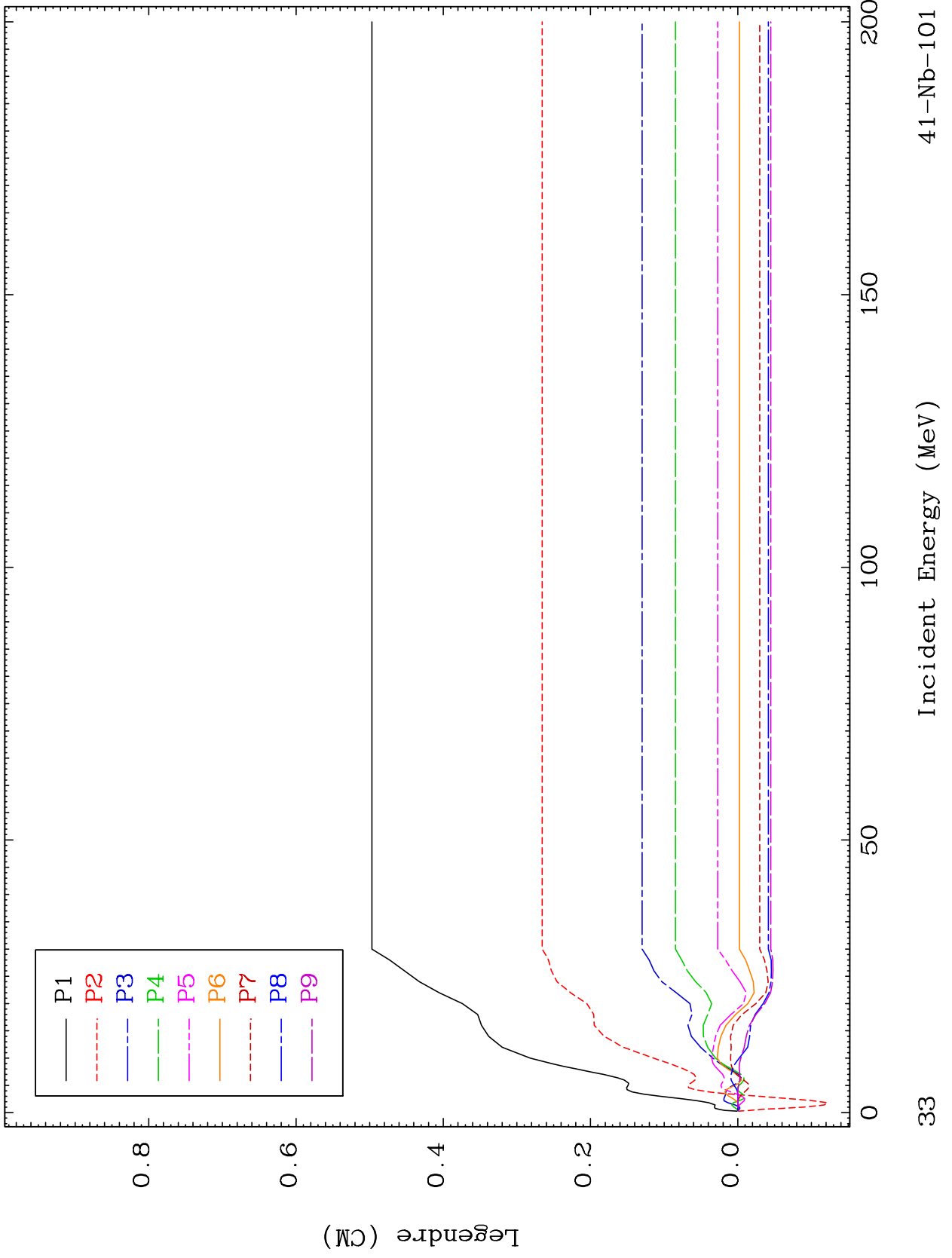
Incident Energy (MeV)

41-Nb-101

MAT 4149

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

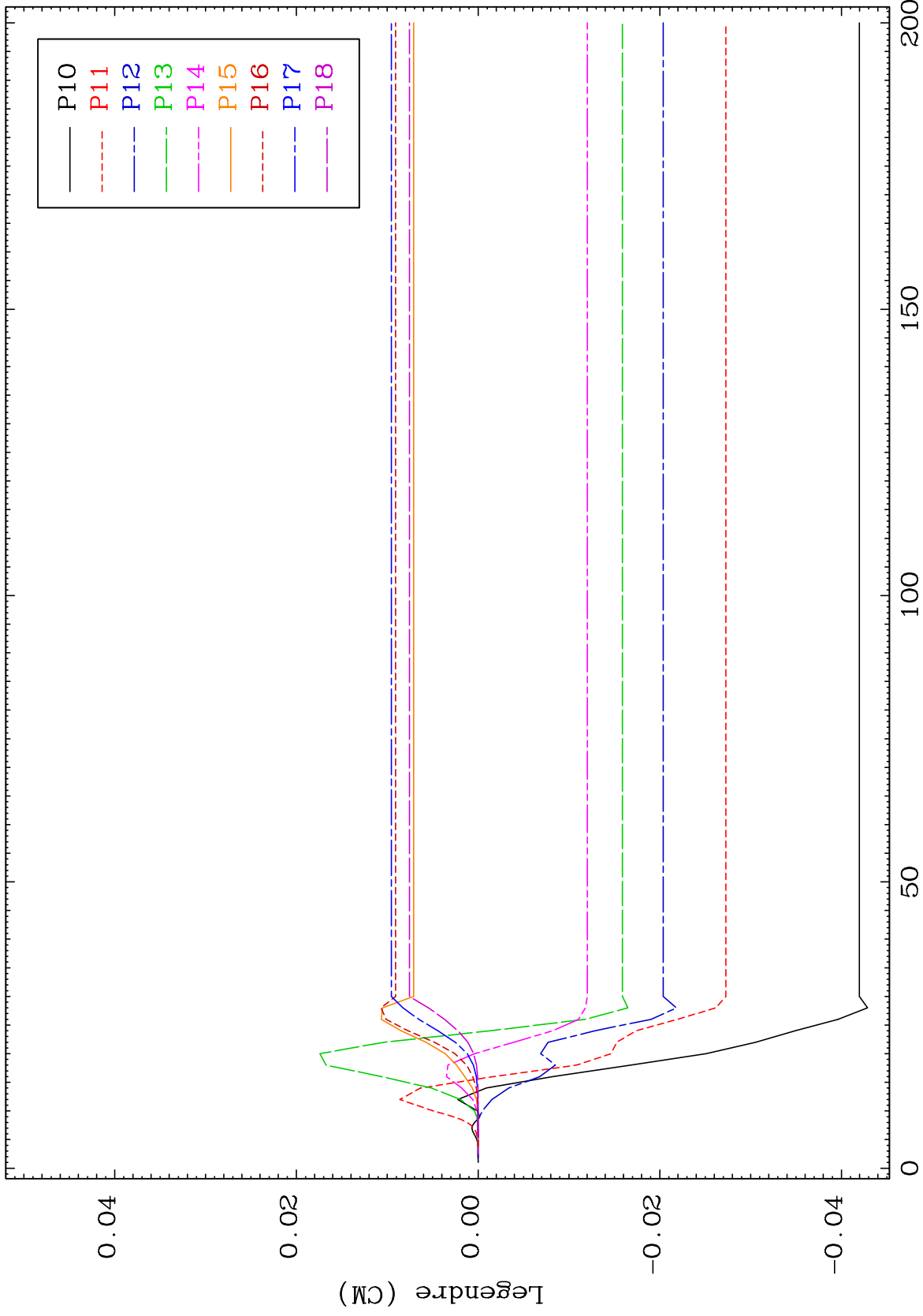
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MAT 4149

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

41-Nb-101



34

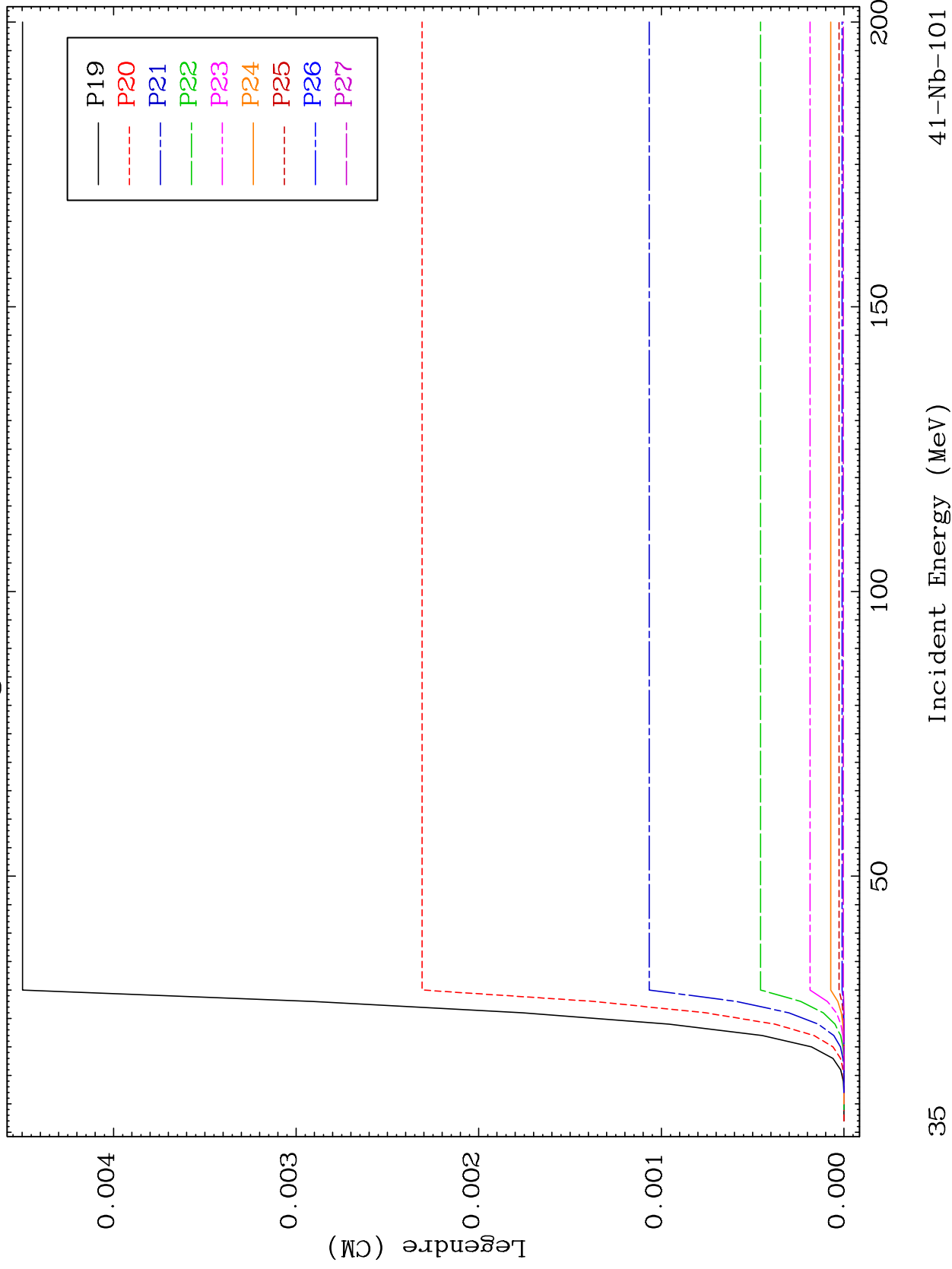
Incident Energy (MeV)

41-Nb-101

MAT 4149

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

41-Nb-101



35

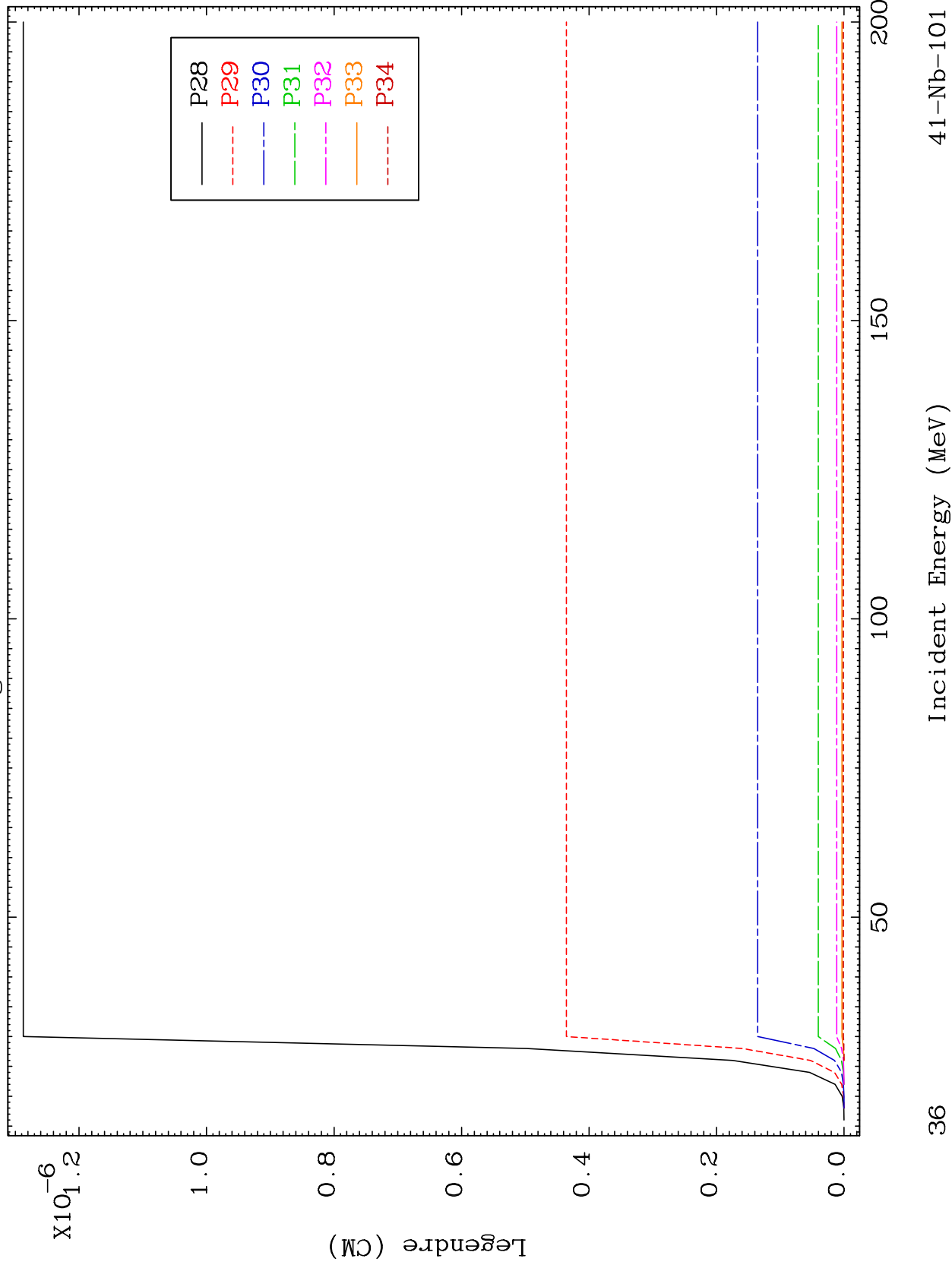
Incident Energy (MeV)

41-Nb-101

MAT 4149

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

41-Nb-101



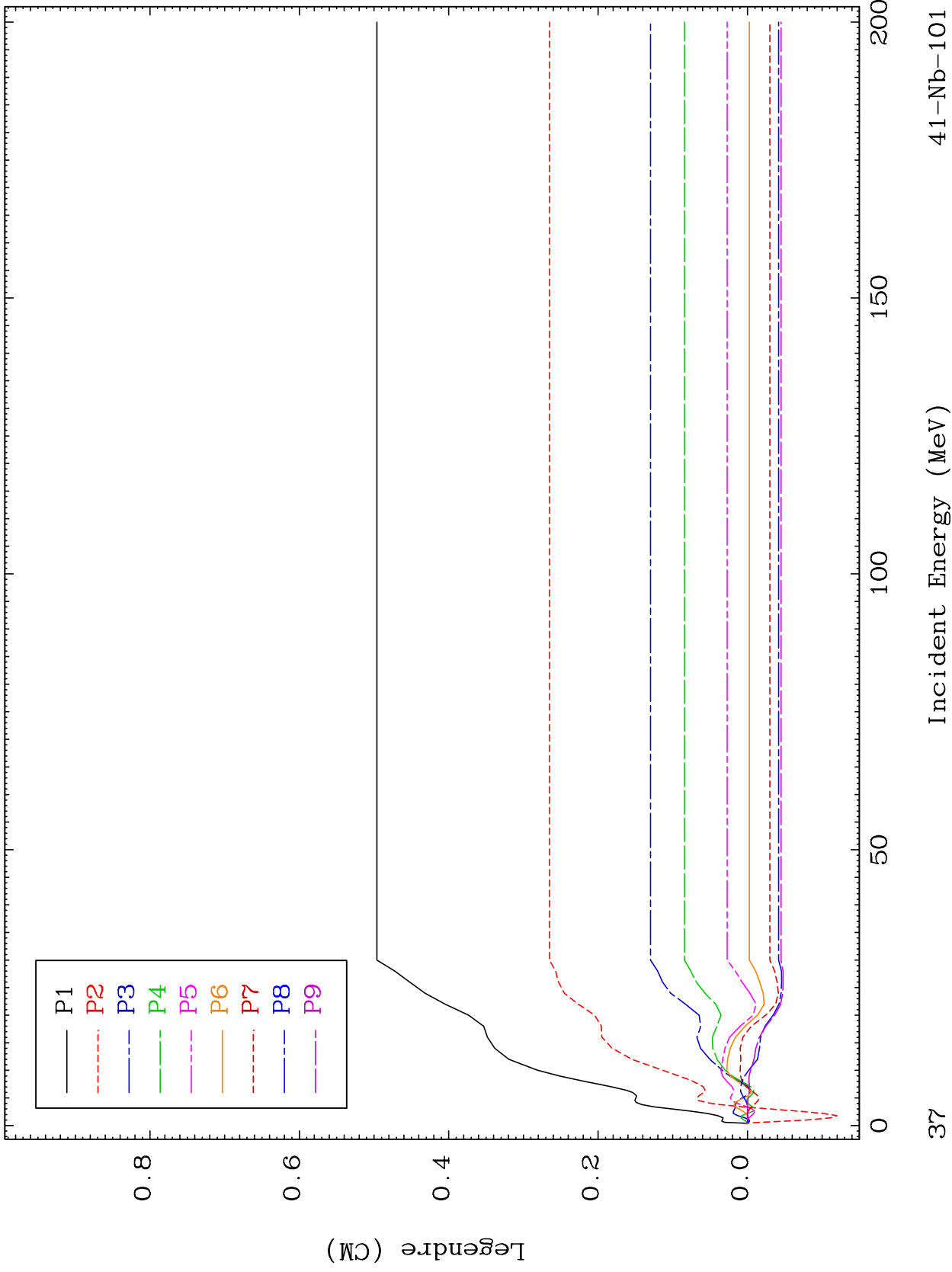
36

41-Nb-101

MAT 4149

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

41-Nb-101



37

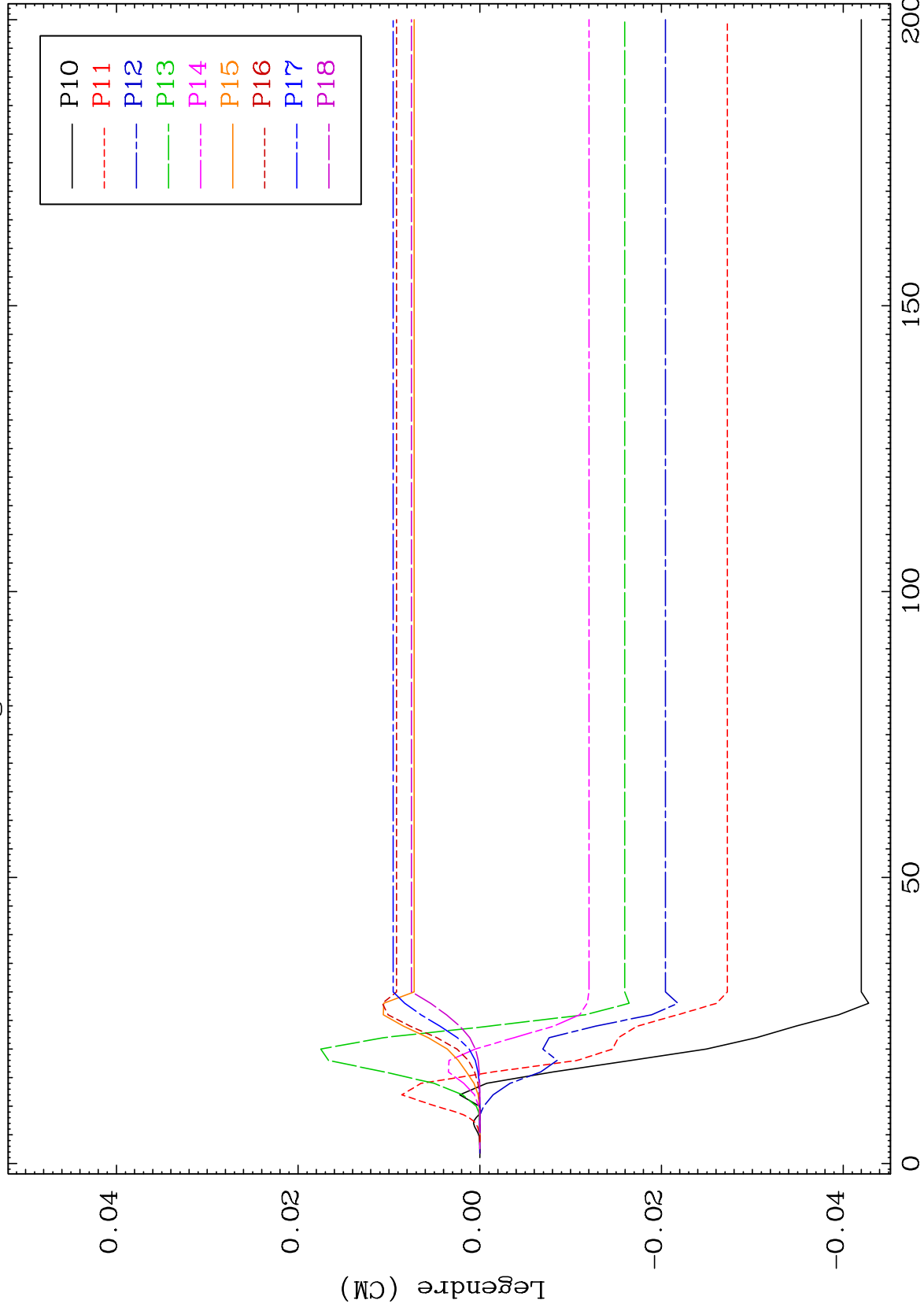
Incident Energy (MeV)

41-Nb-101

MAT 4149

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

41-Nb-101



38

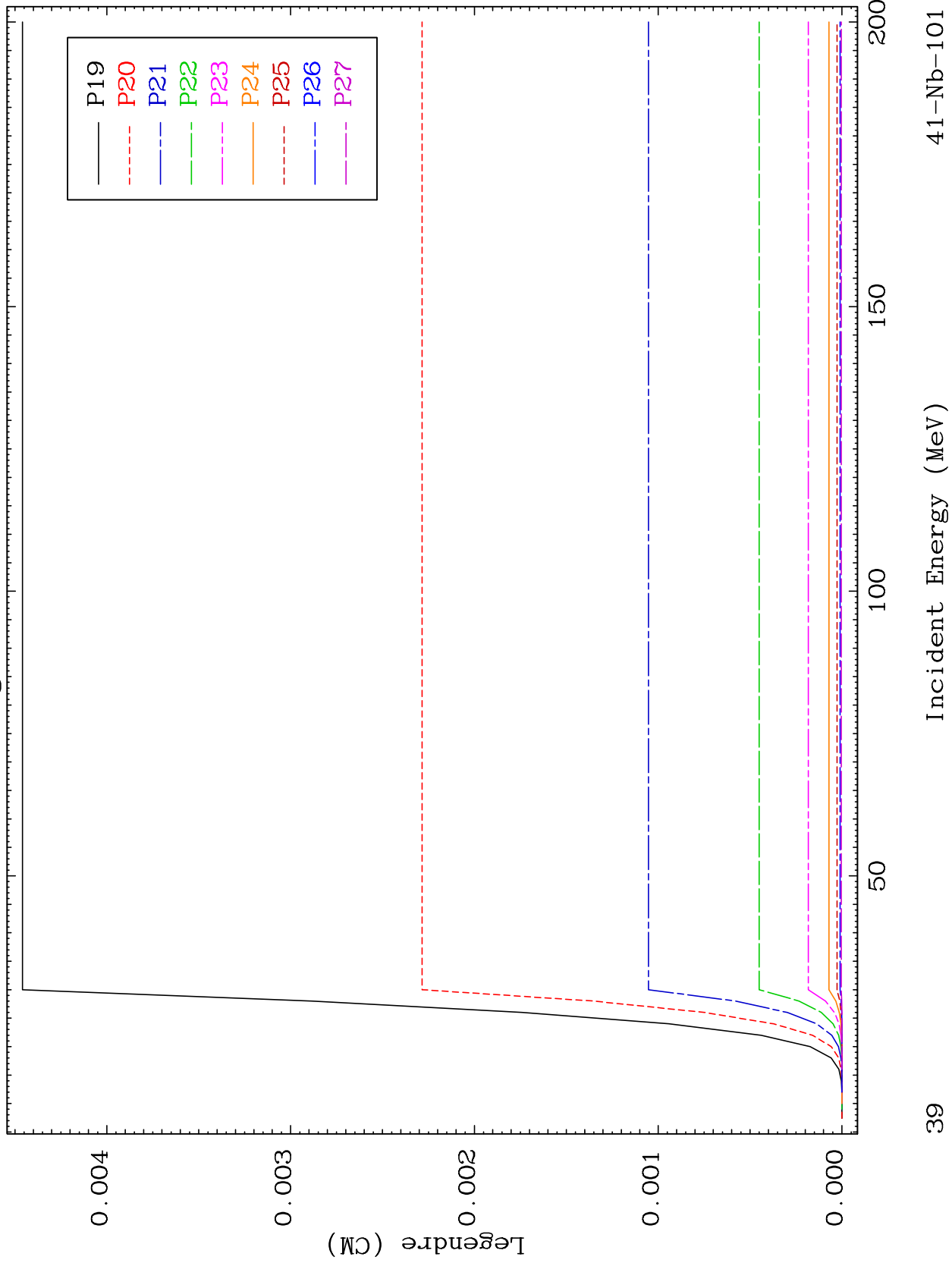
Incident Energy (MeV)

41-Nb-101

MAT 4149

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

41-Nb-101



39

Incident Energy (MeV)

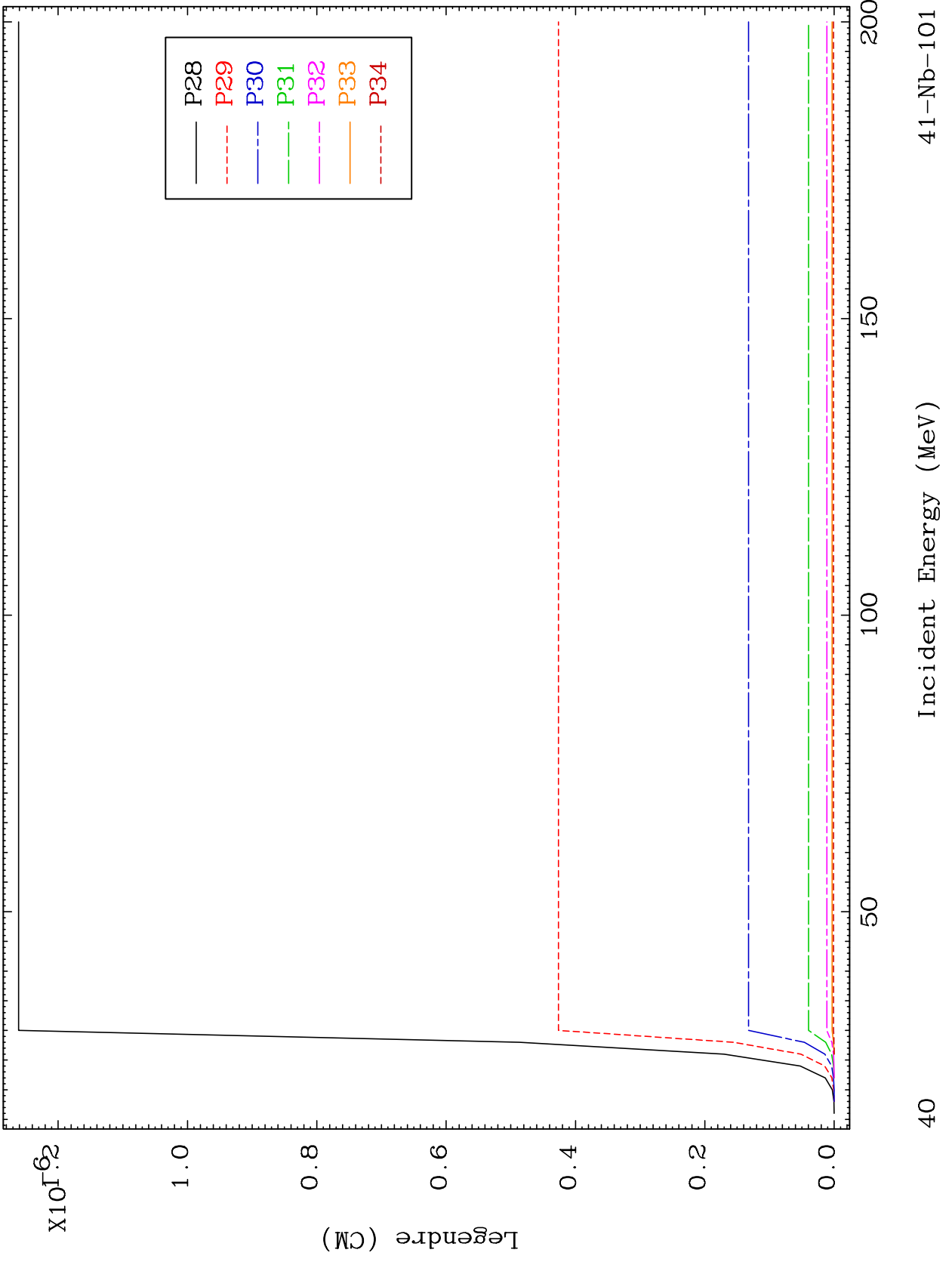
41-Nb-101



MAT 4149

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

41-Nb-101



41-Nb-101

Incident Energy (MeV)

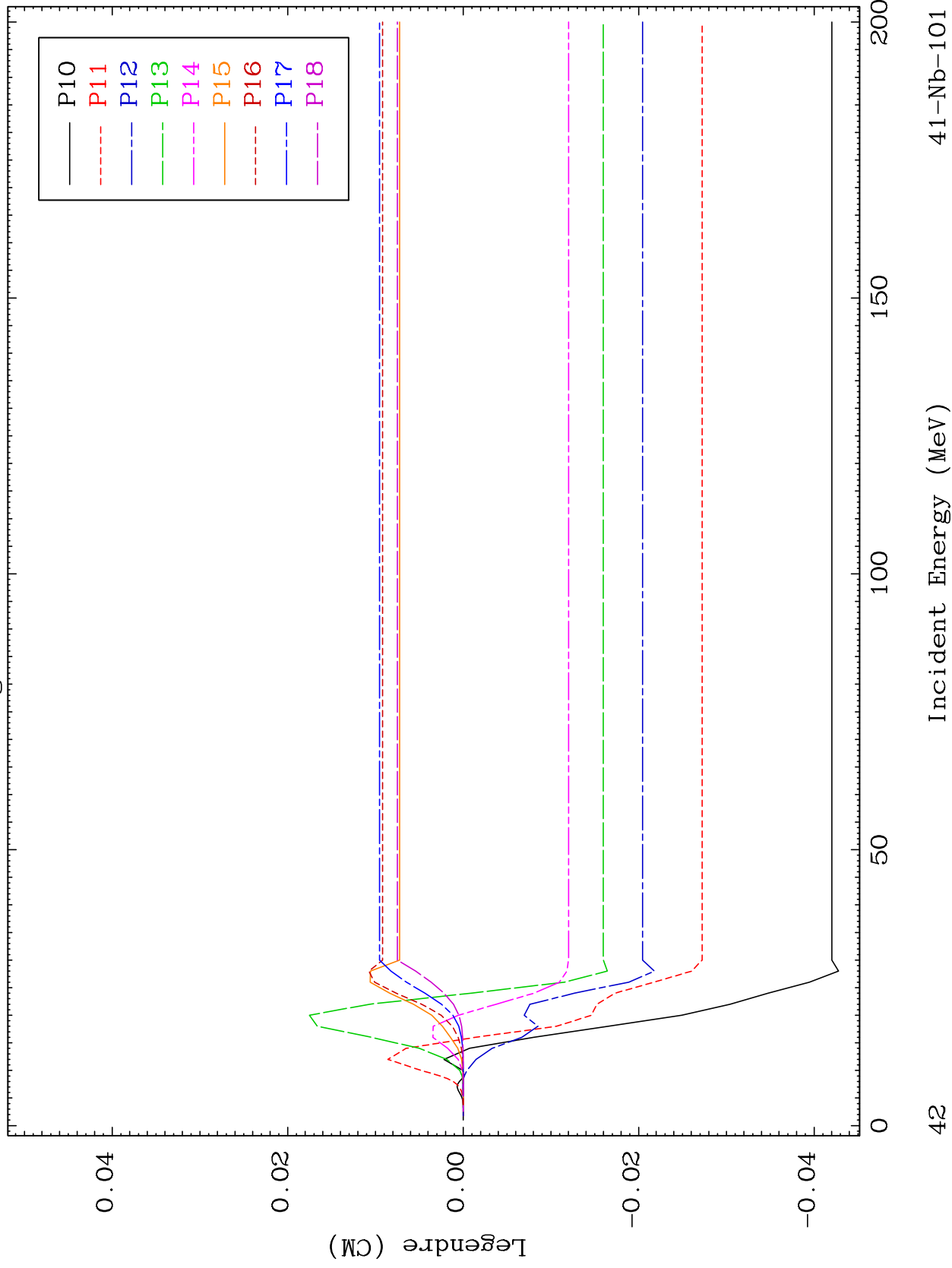
40



MAT 4149

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

41-Nb-101



42

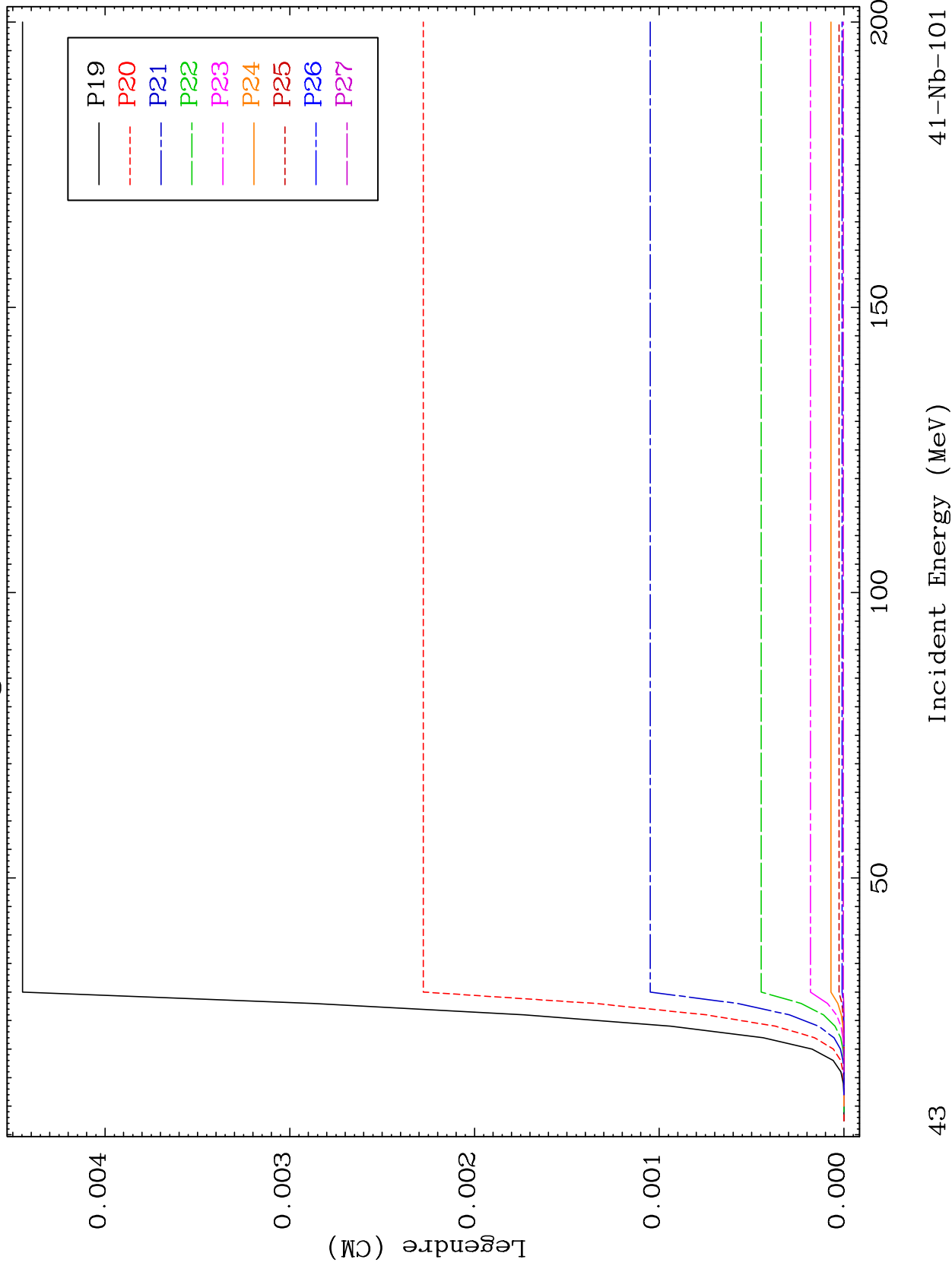
Incident Energy (MeV)

41-Nb-101

MAT 4149

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

41-Nb-101



43

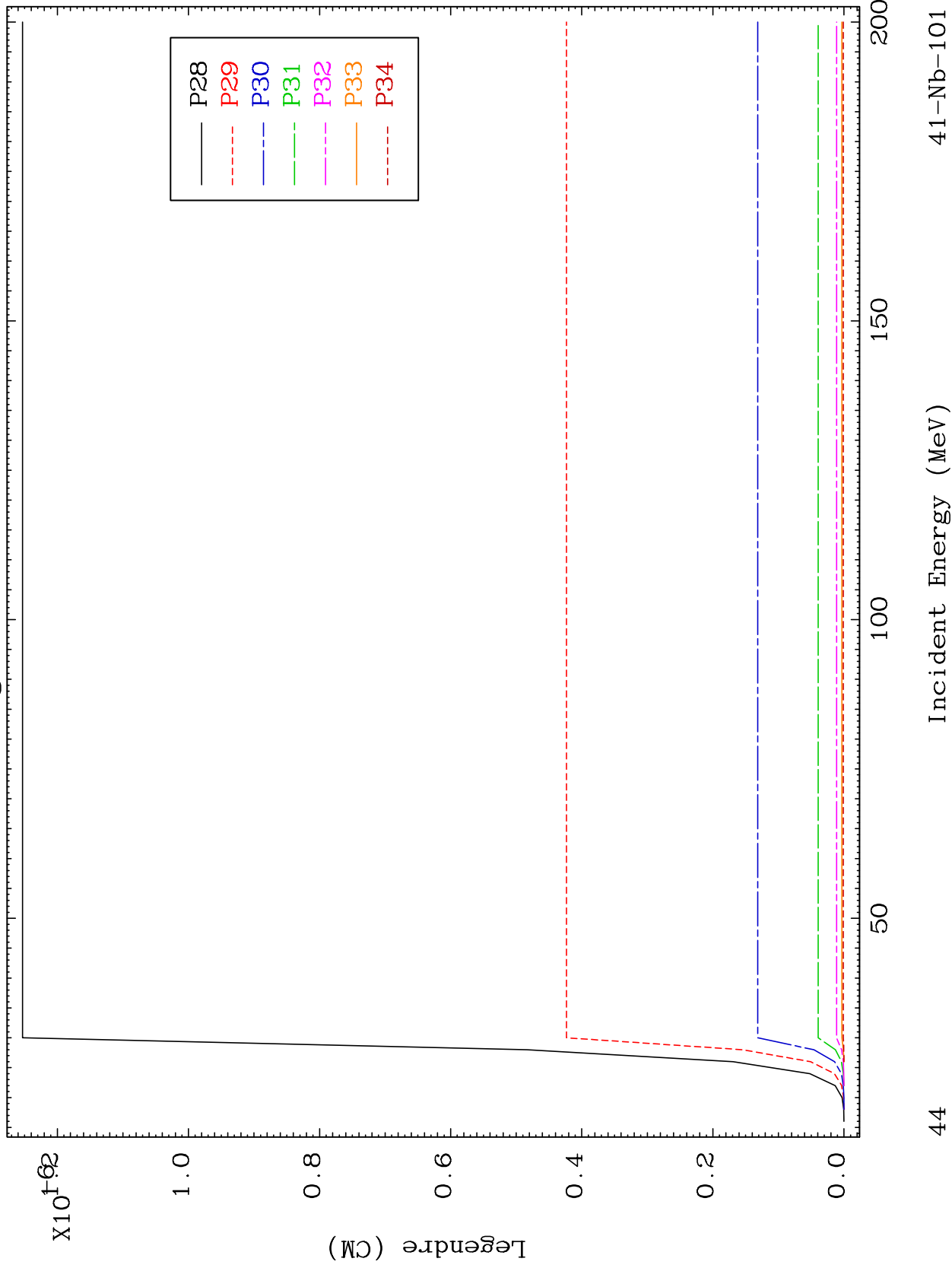
Incident Energy (MeV)

41-Nb-101

MAT 4149

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

41-Nb-101



44

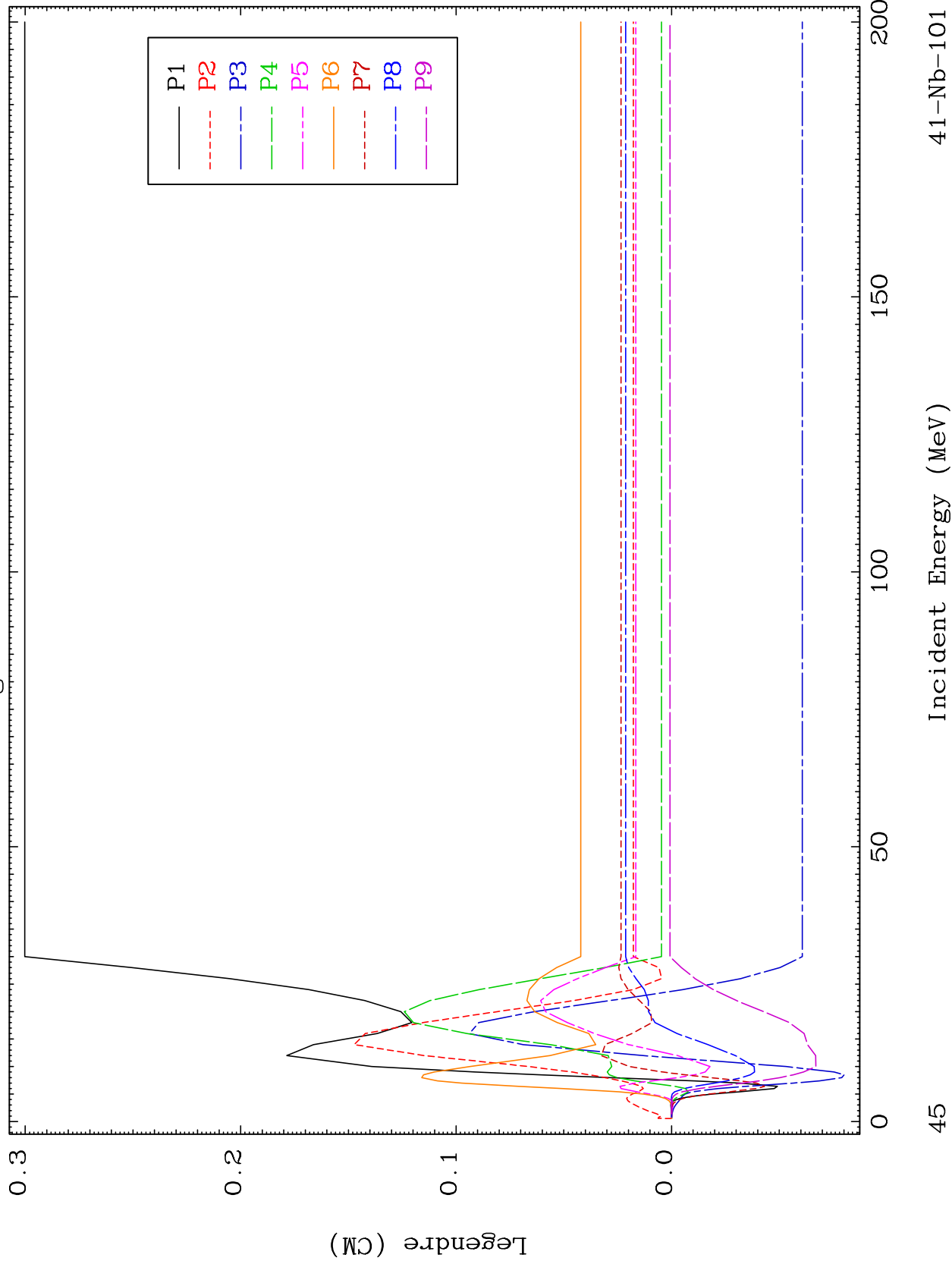
Incident Energy (MeV)

41-Nb-101

MAT 4149

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

41-Nb-101



41-Nb-101

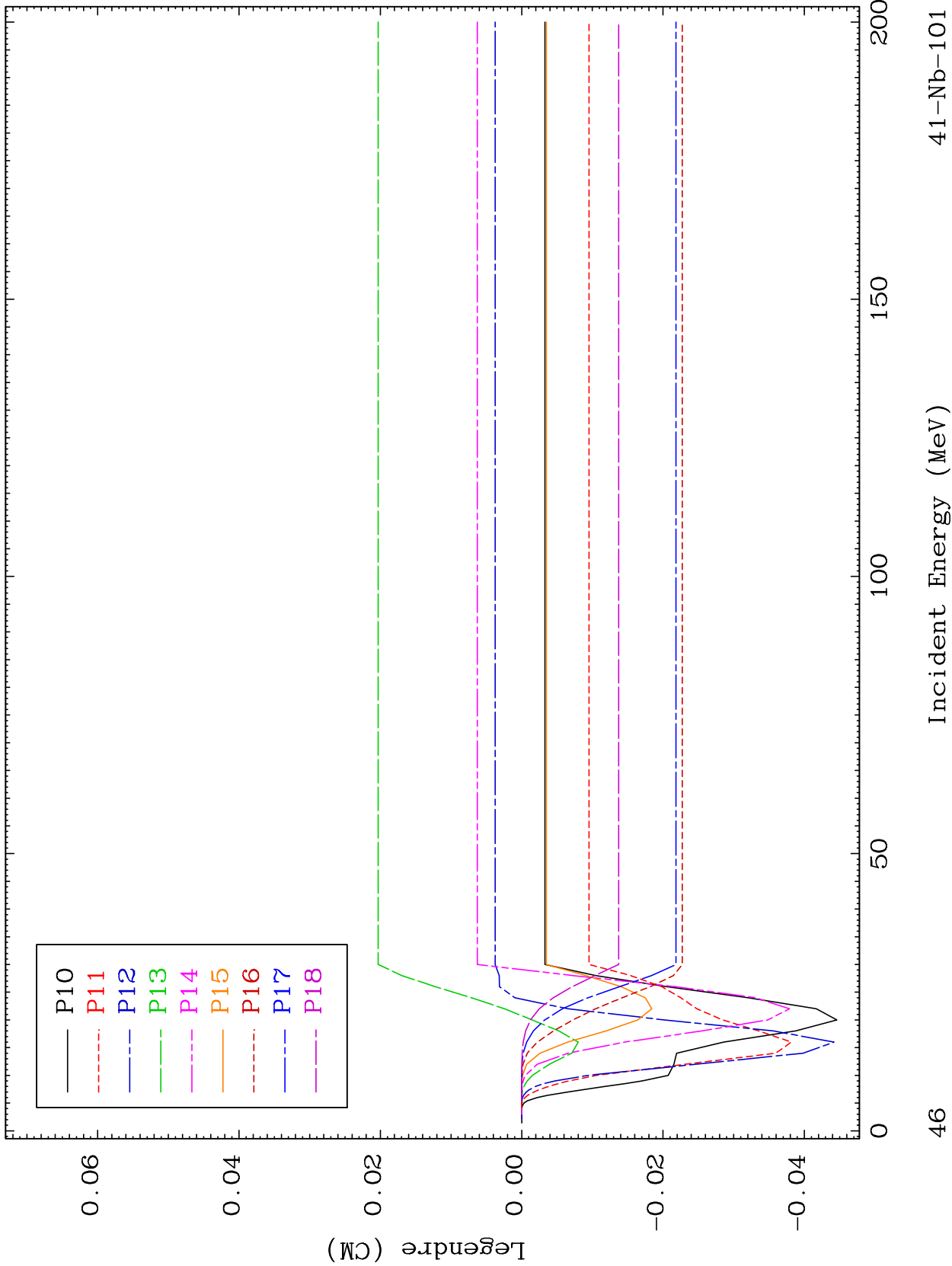
Incident Energy (MeV)

45

MAT 4149

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

41-Nb-101



46

Incident Energy (MeV)

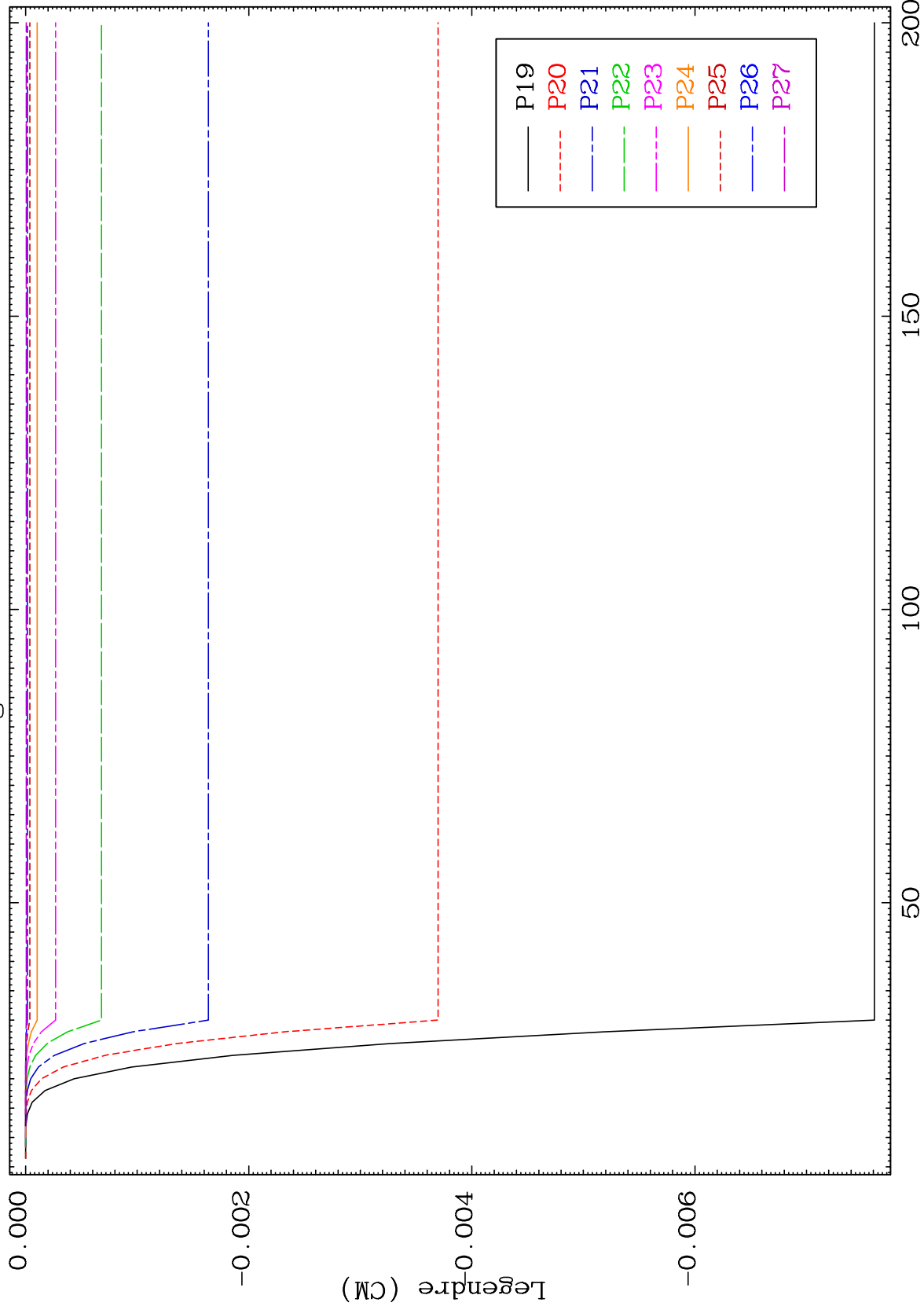
41-Nb-101

MAT 4149

MT= 57 (n,n') Level

41-Nb-101

Legendre Coefficients

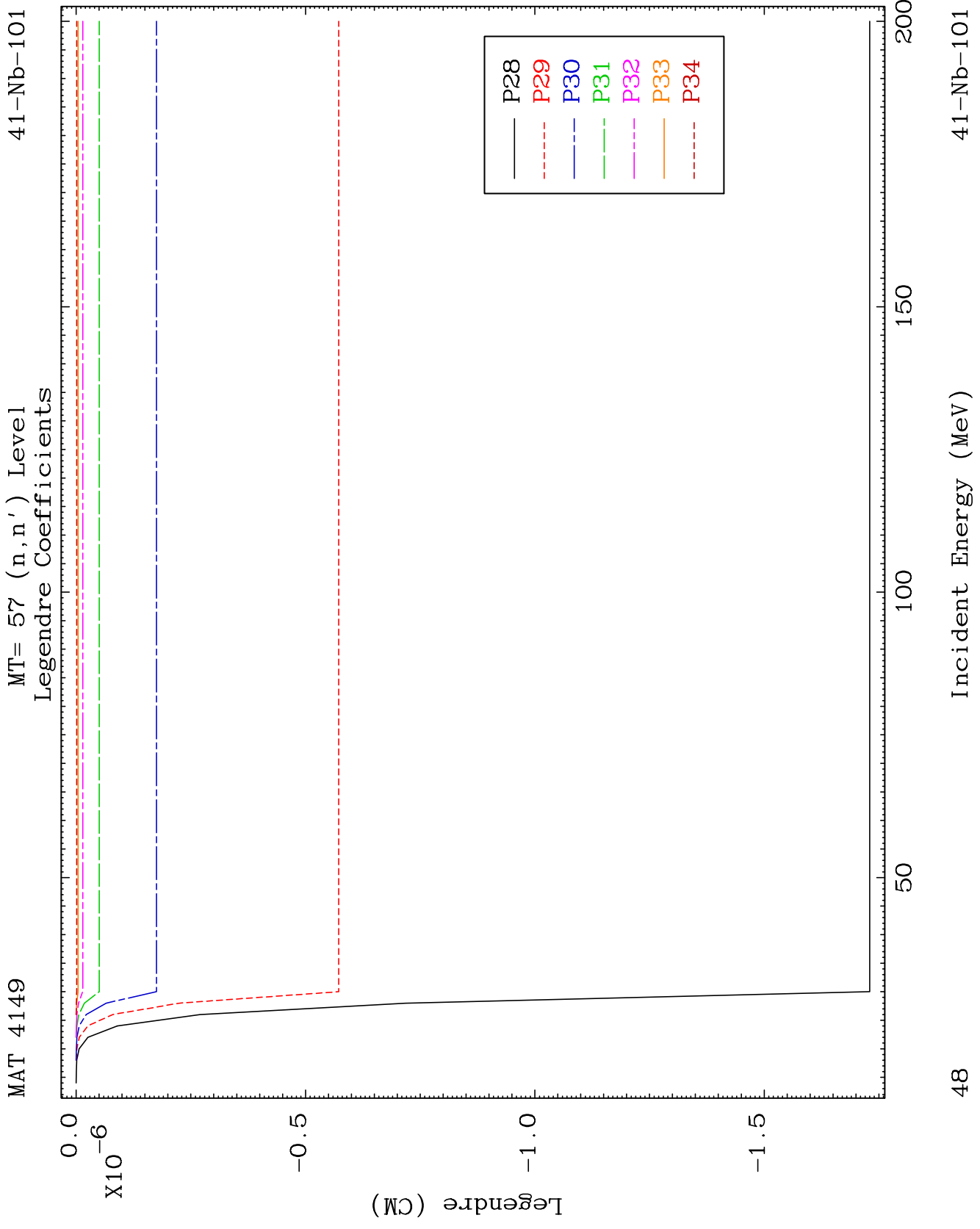


47

Incident Energy (MeV)

41-Nb-101

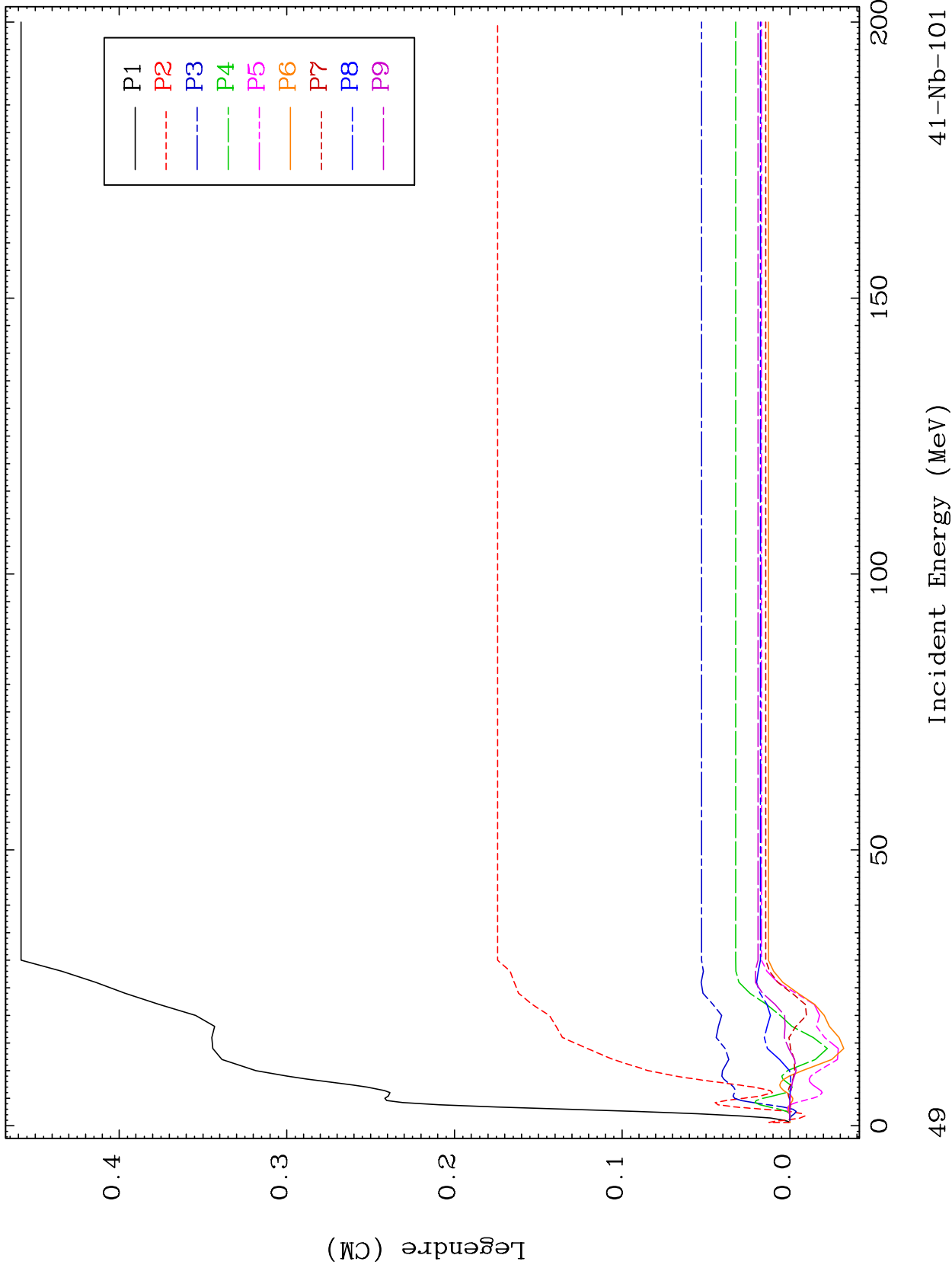




MAT 4149

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

41-Nb-101



49

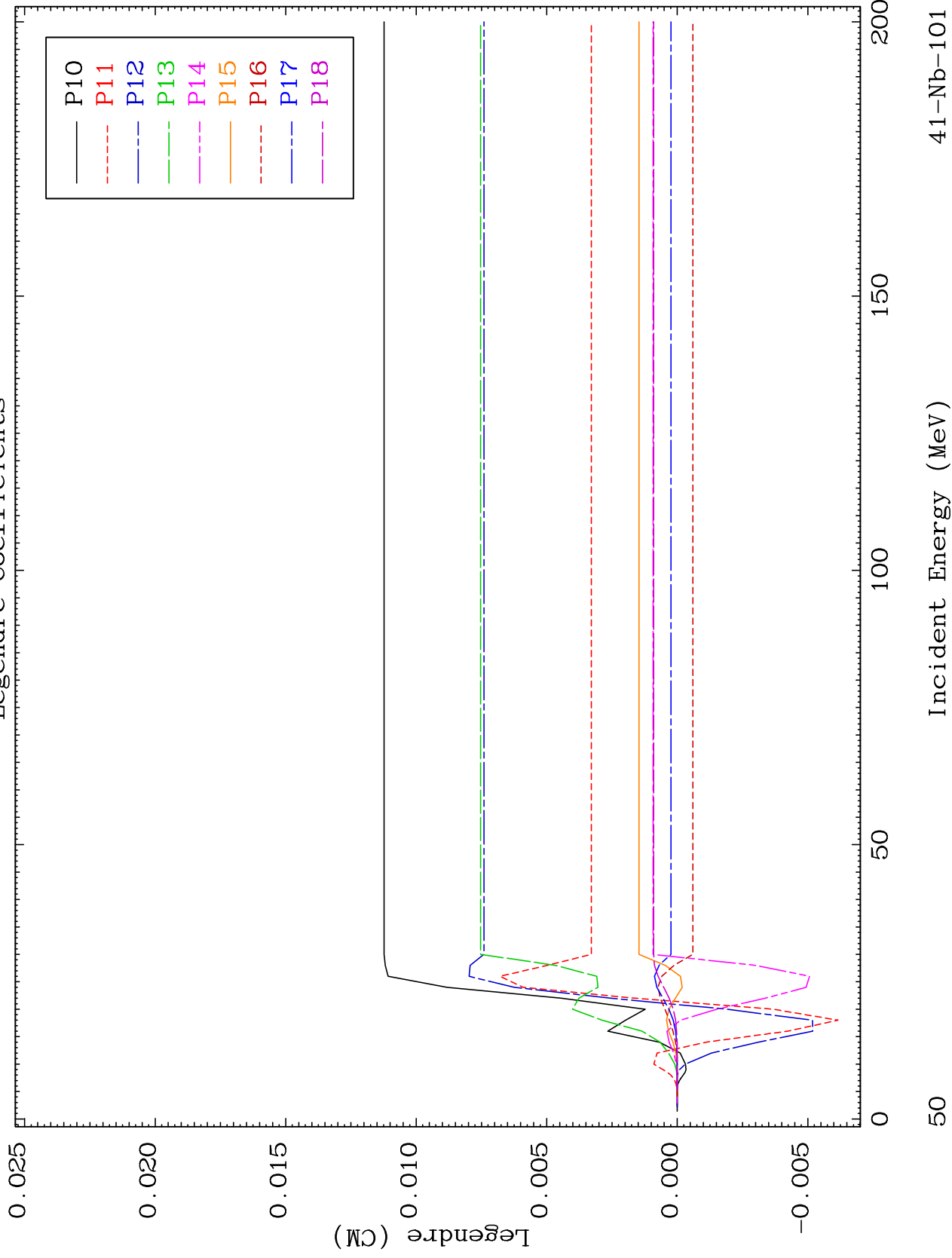
Incident Energy (MeV)

41-Nb-101

MAT 4149

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

41-Nb-101



41-Nb-101

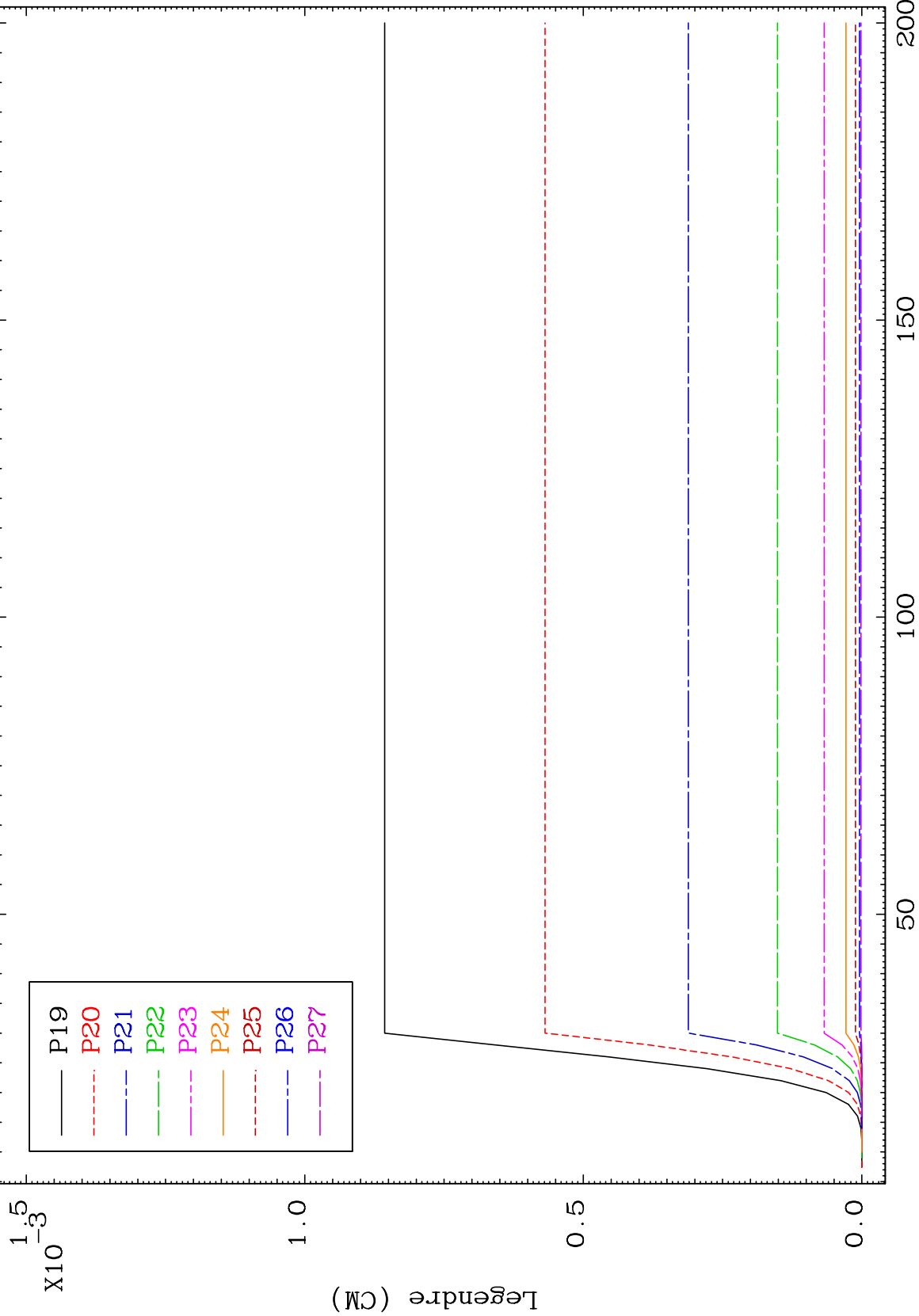
Incident Energy (MeV)

50

MAT 4149

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

41-Nb-101



51

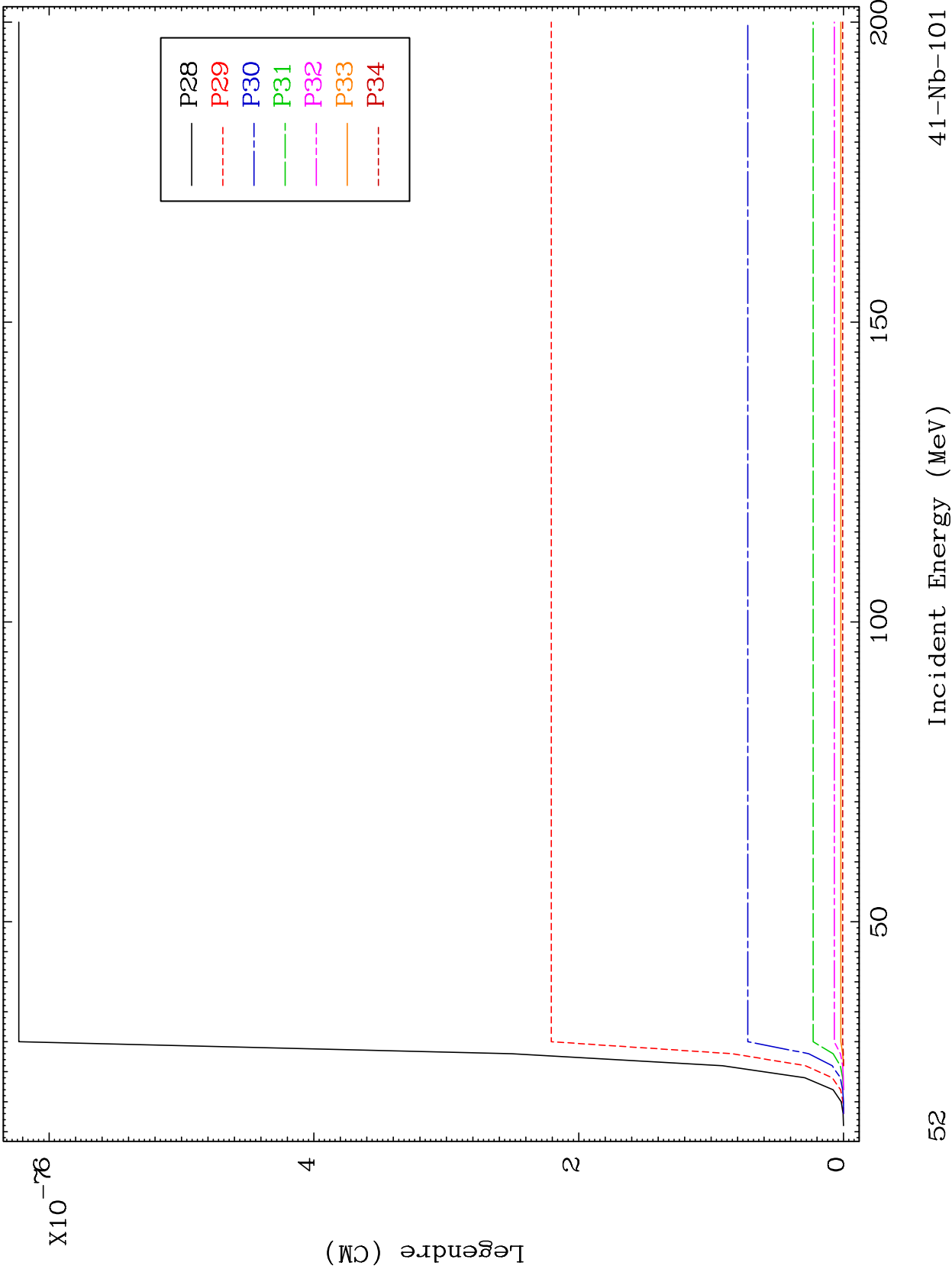
Incident Energy (MeV)

41-Nb-101

MAT 4149

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

41-Nb-101



52

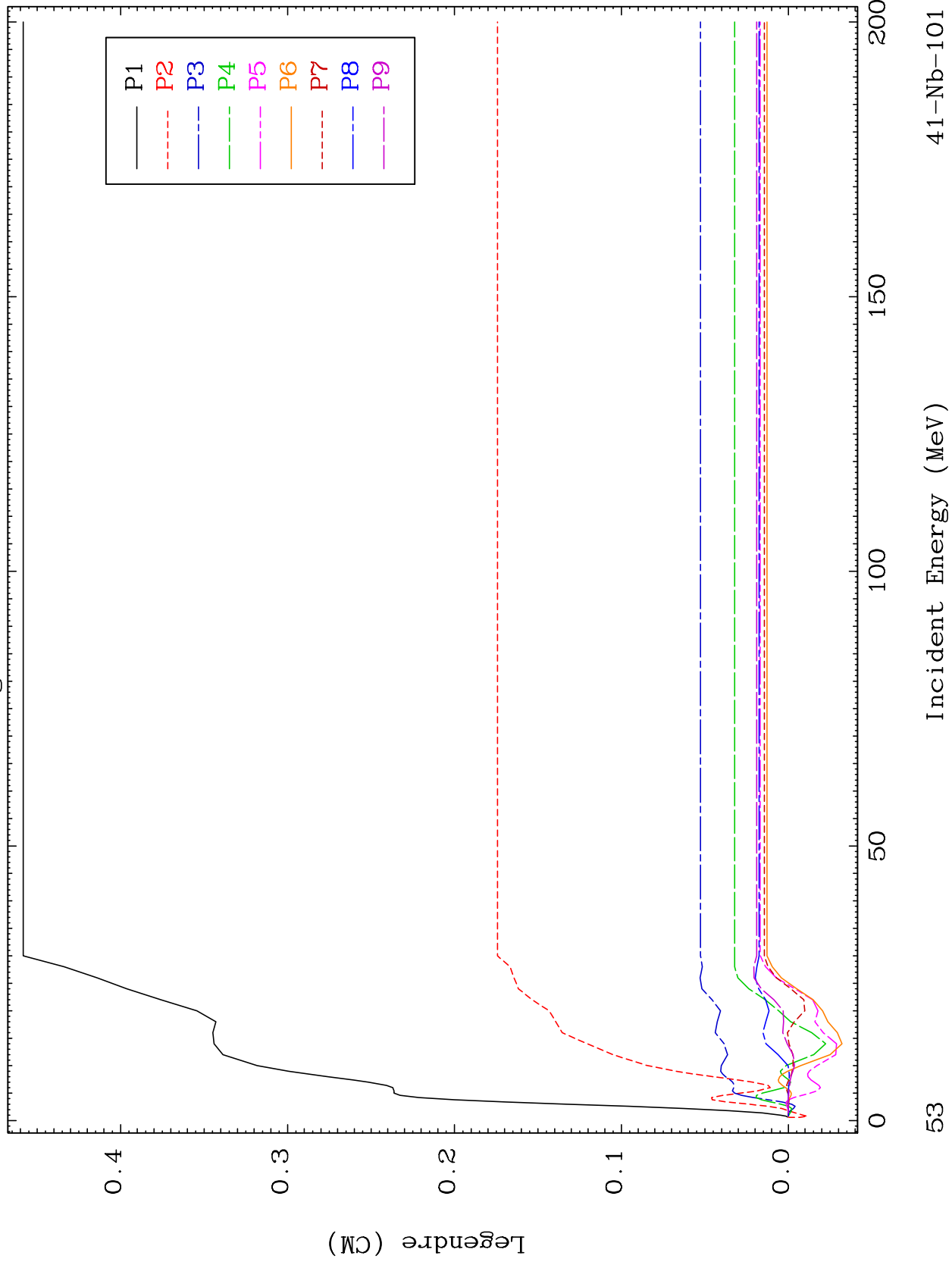
Incident Energy (MeV)

41-Nb-101

MAT 4149

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

41-Nb-101



41-Nb-101

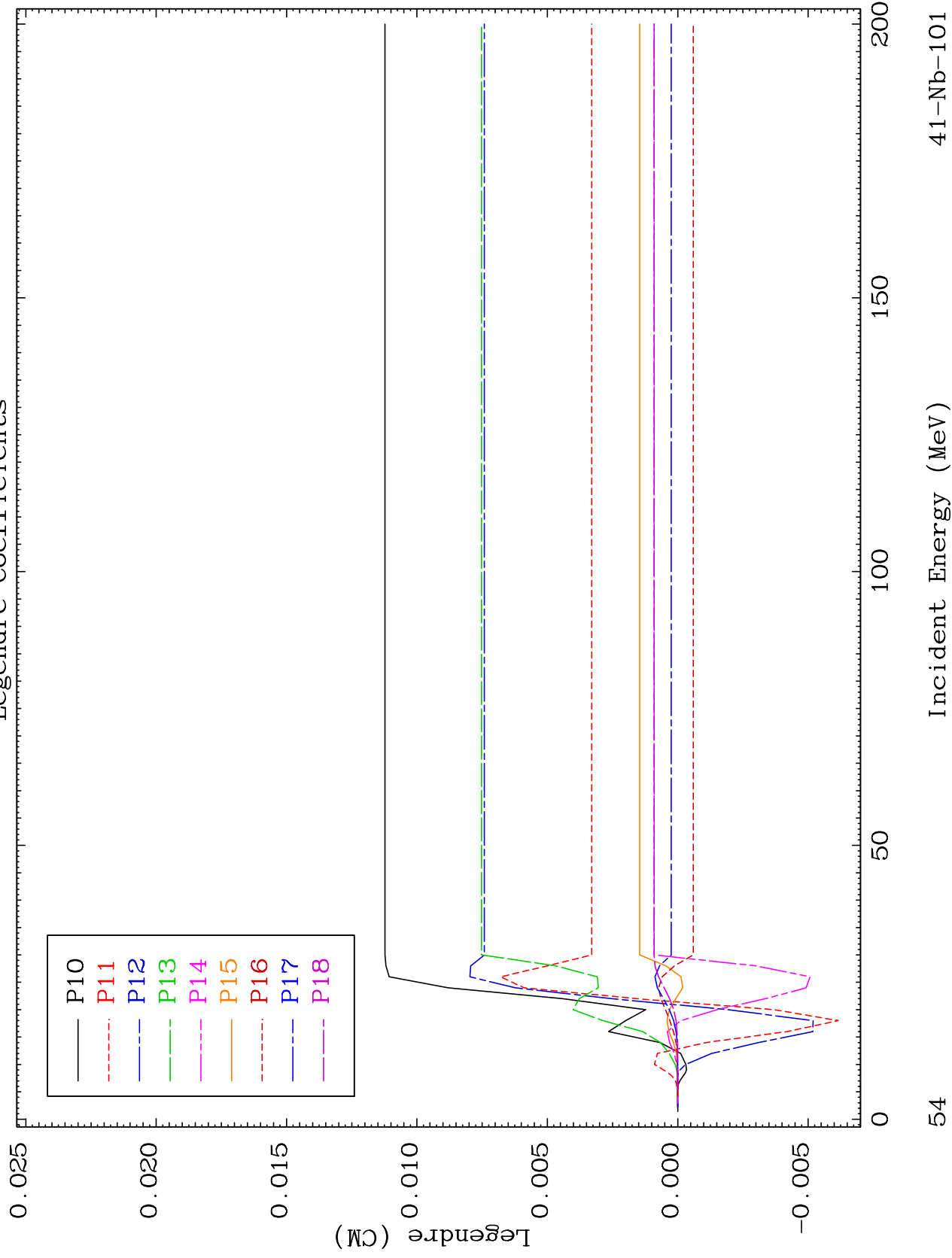
Incident Energy (MeV)

53

MAT 4149

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

41-Nb-101



54

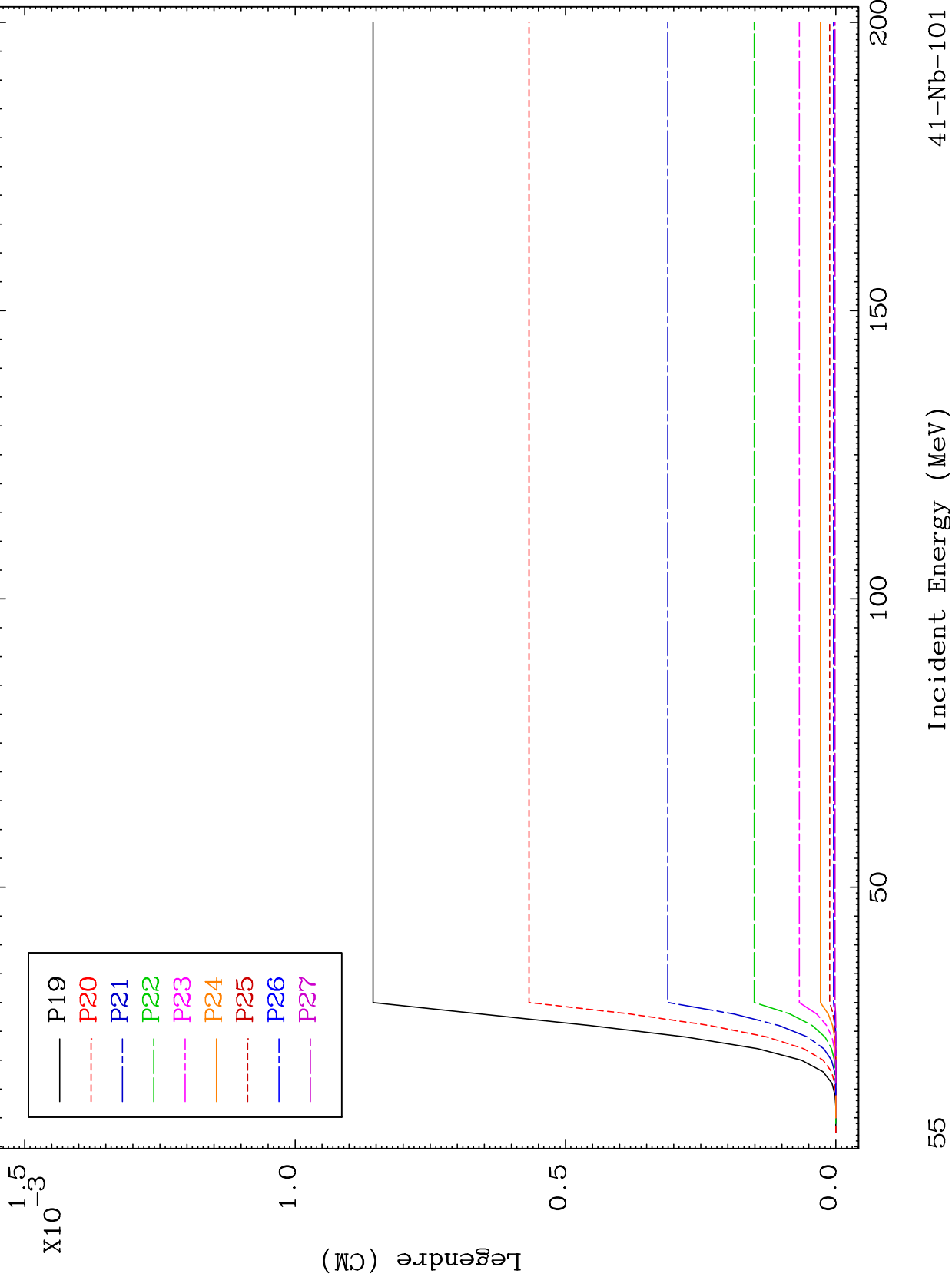
Incident Energy (MeV)

41-Nb-101

MAT 4149

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

41-Nb-101



55

Incident Energy (MeV)

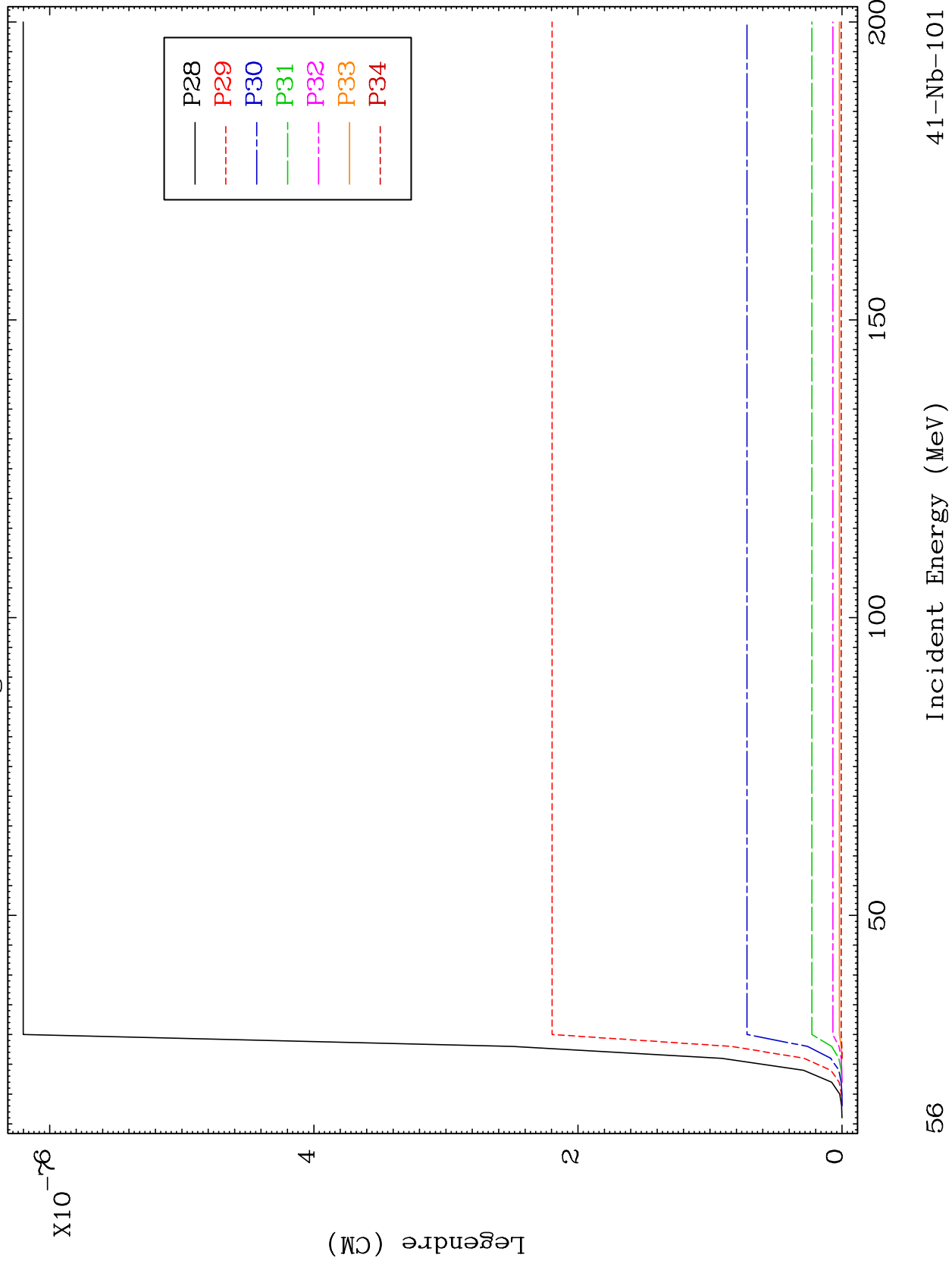
41-Nb-101



MAT 4149

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

41-Nb-101



56

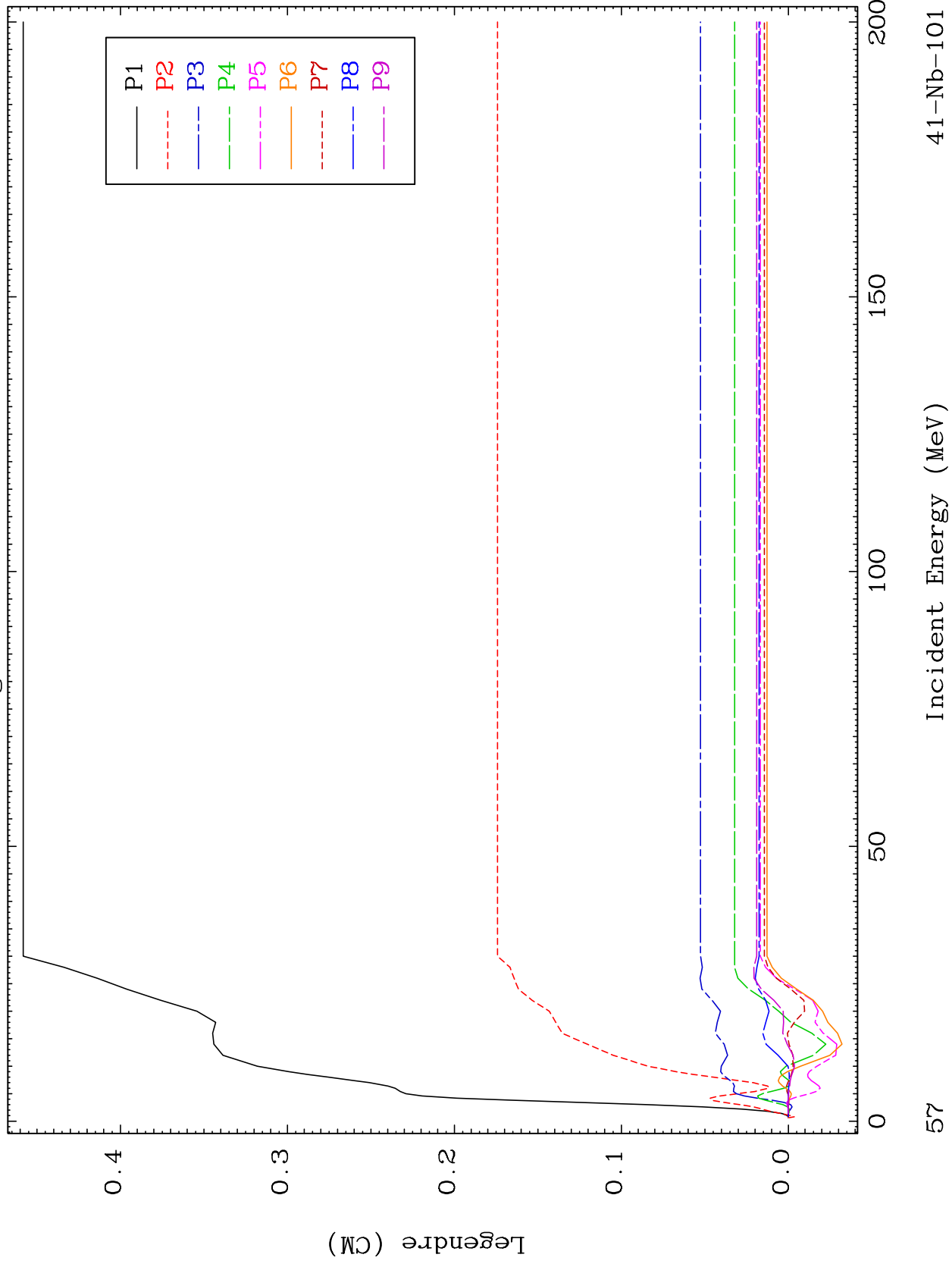
Incident Energy (MeV)

41-Nb-101

MAT 4149

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

41-Nb-101



41-Nb-101

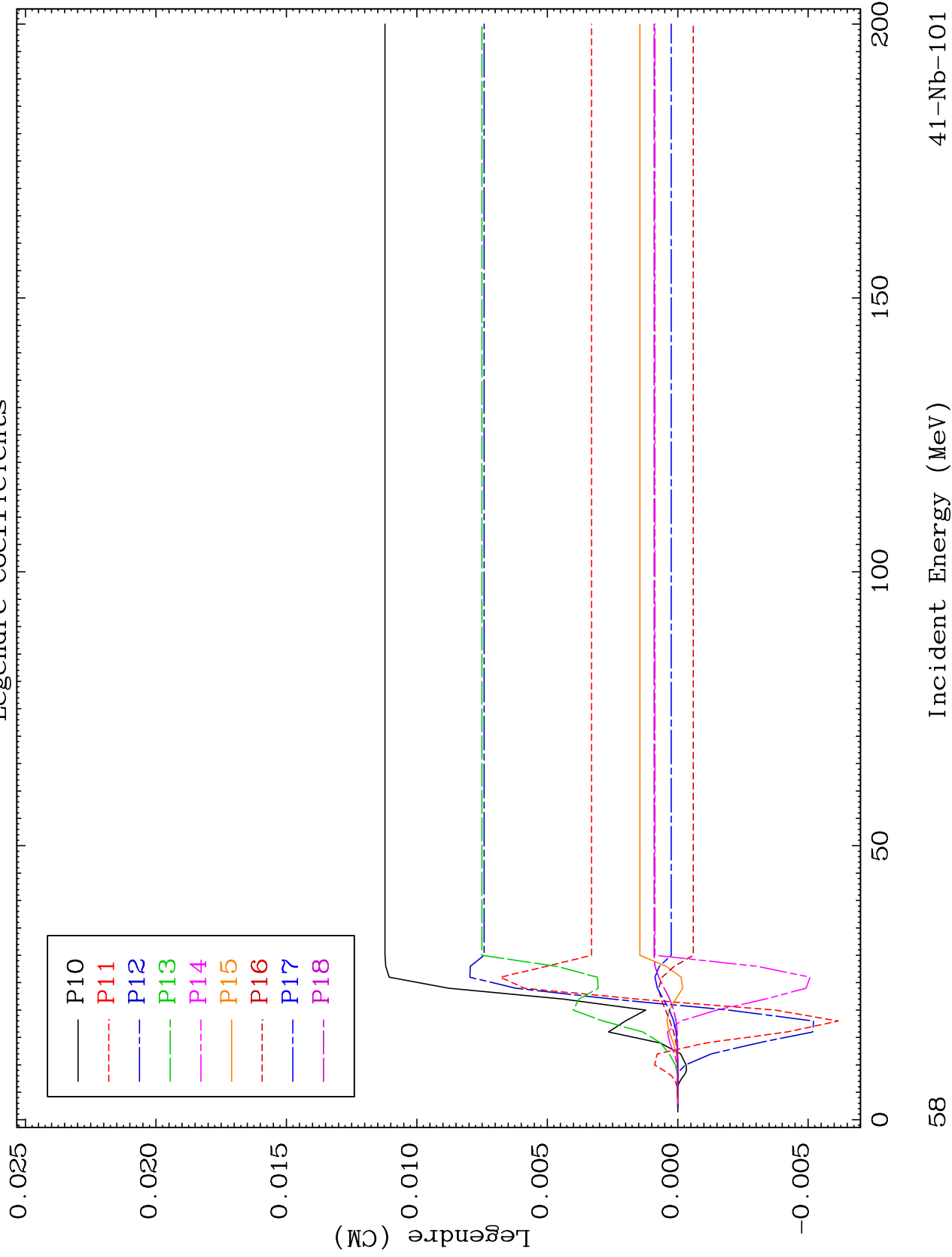
Incident Energy (MeV)

57

MAT 4149

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

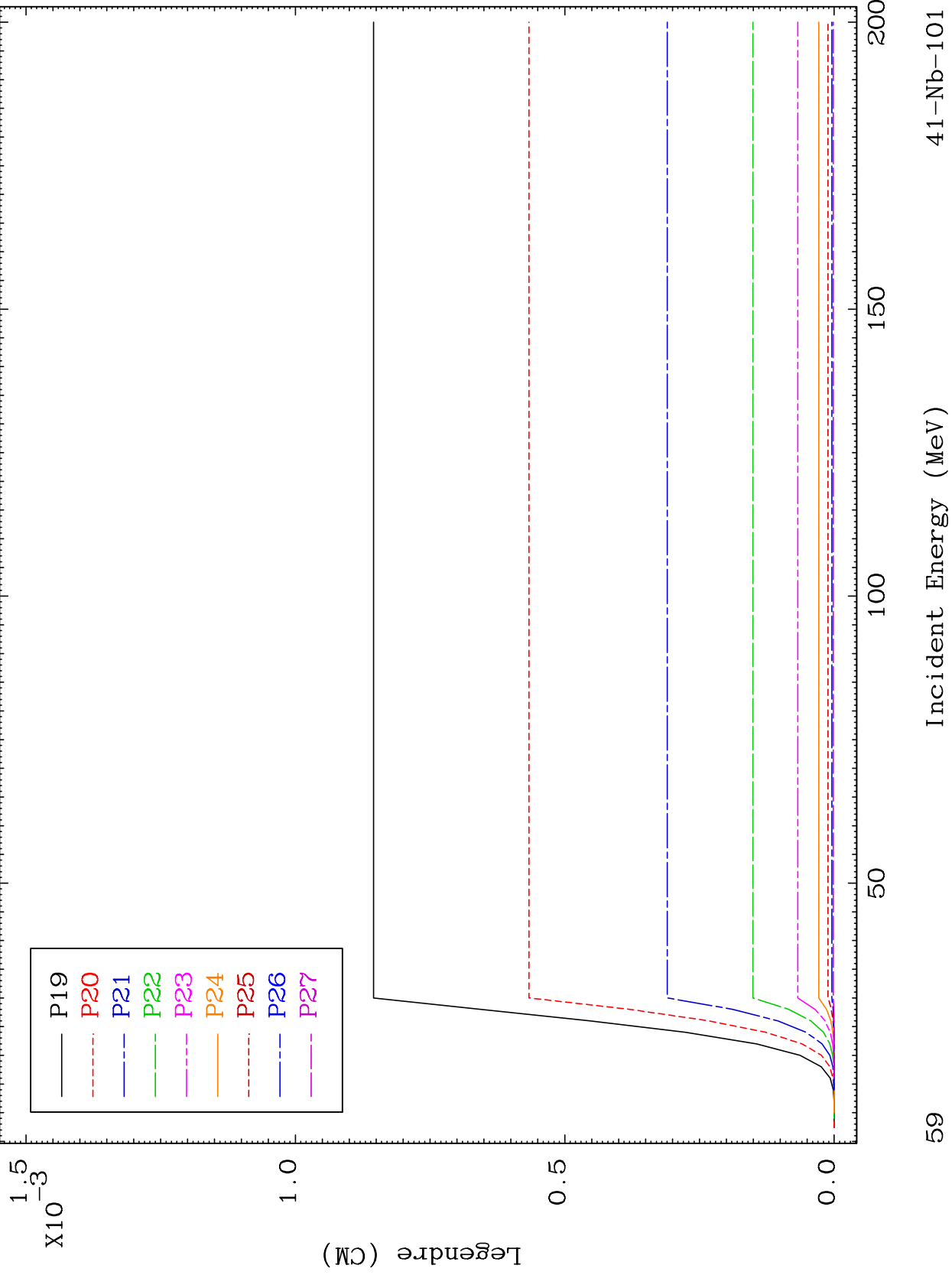
41-Nb-101



MAT 4149

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

41-Nb-101

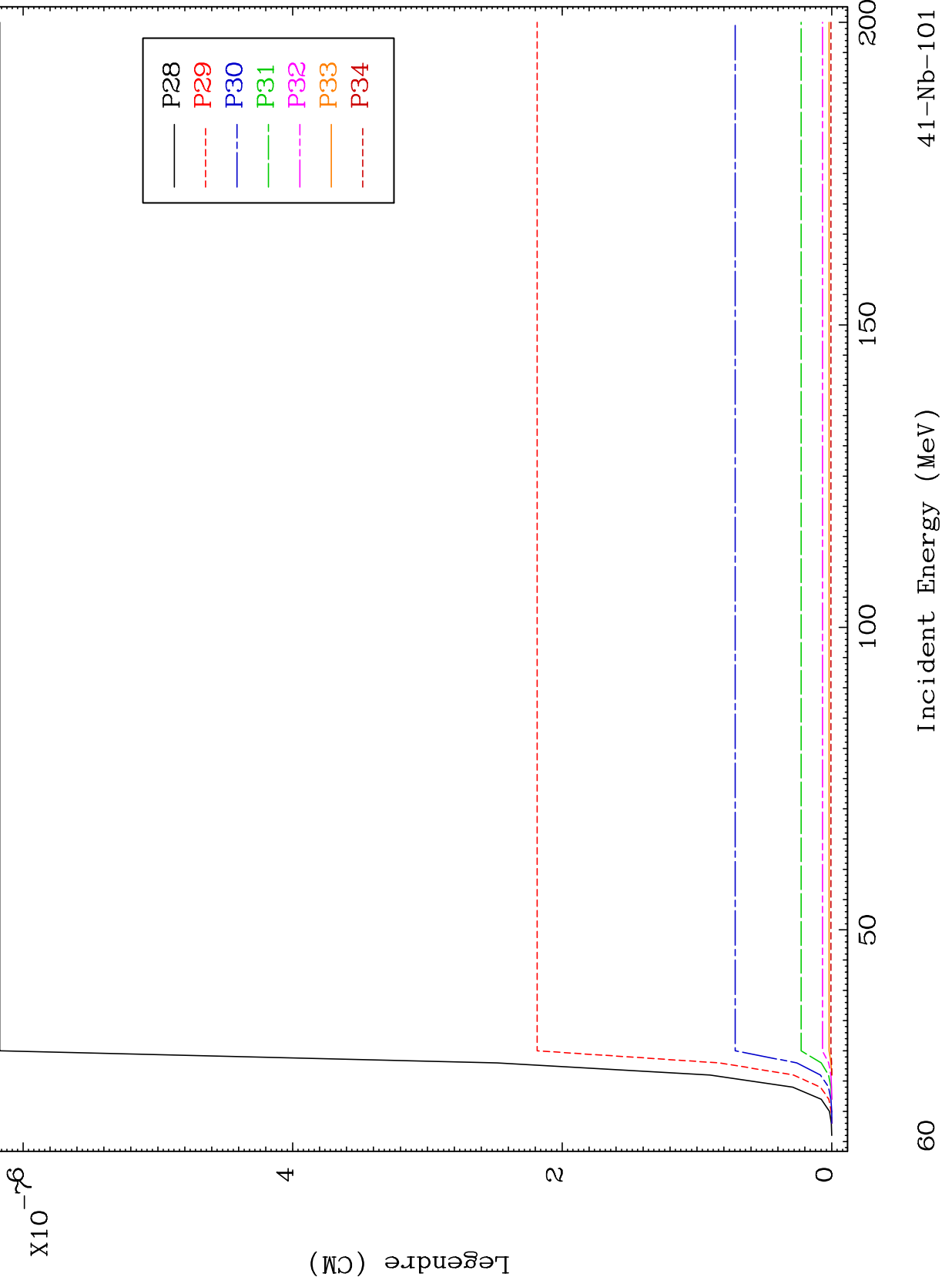


59

MAT 4149

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

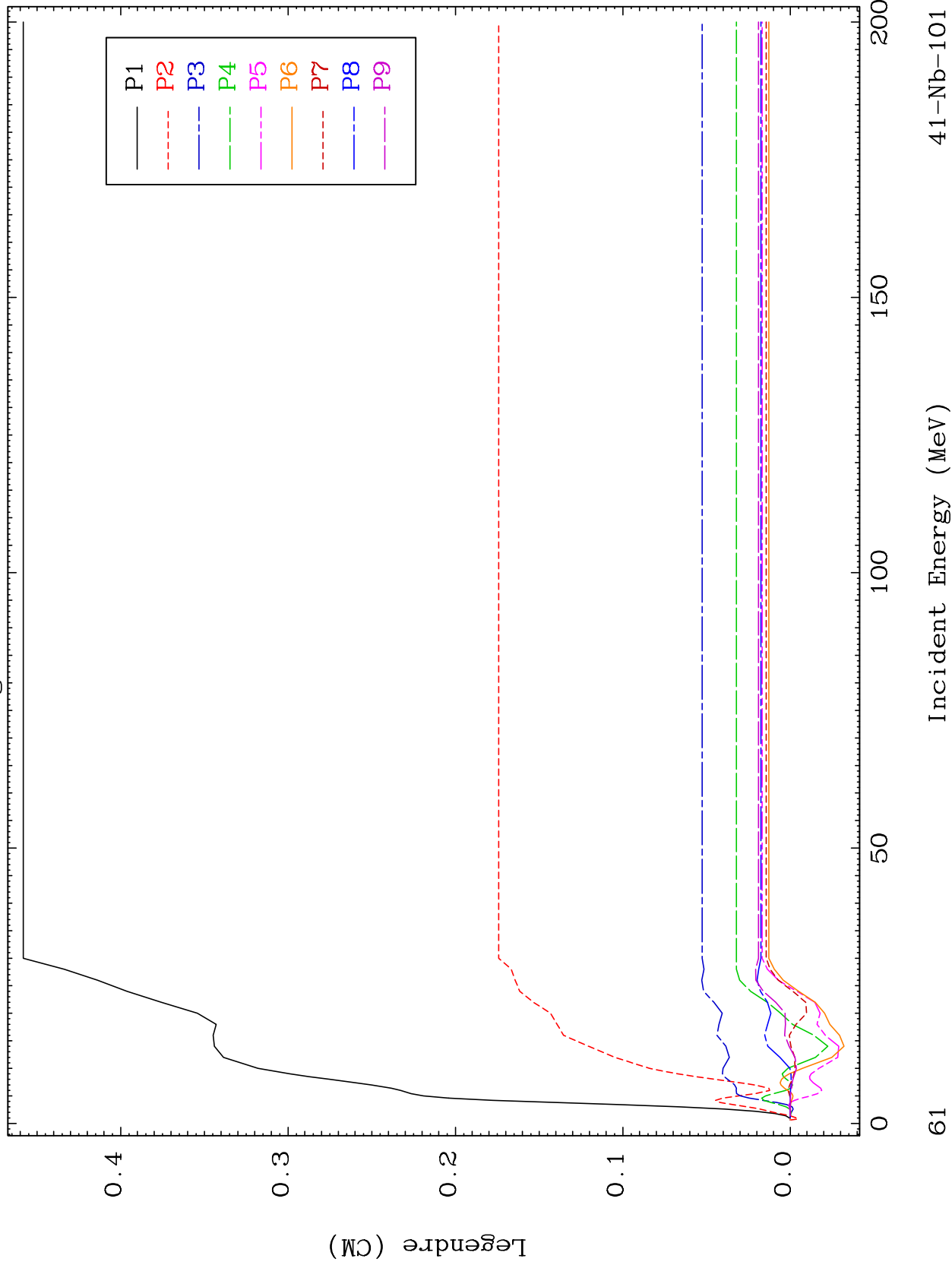
41-Nb-101



MAT 4149

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

41-Nb-101



41-Nb-101

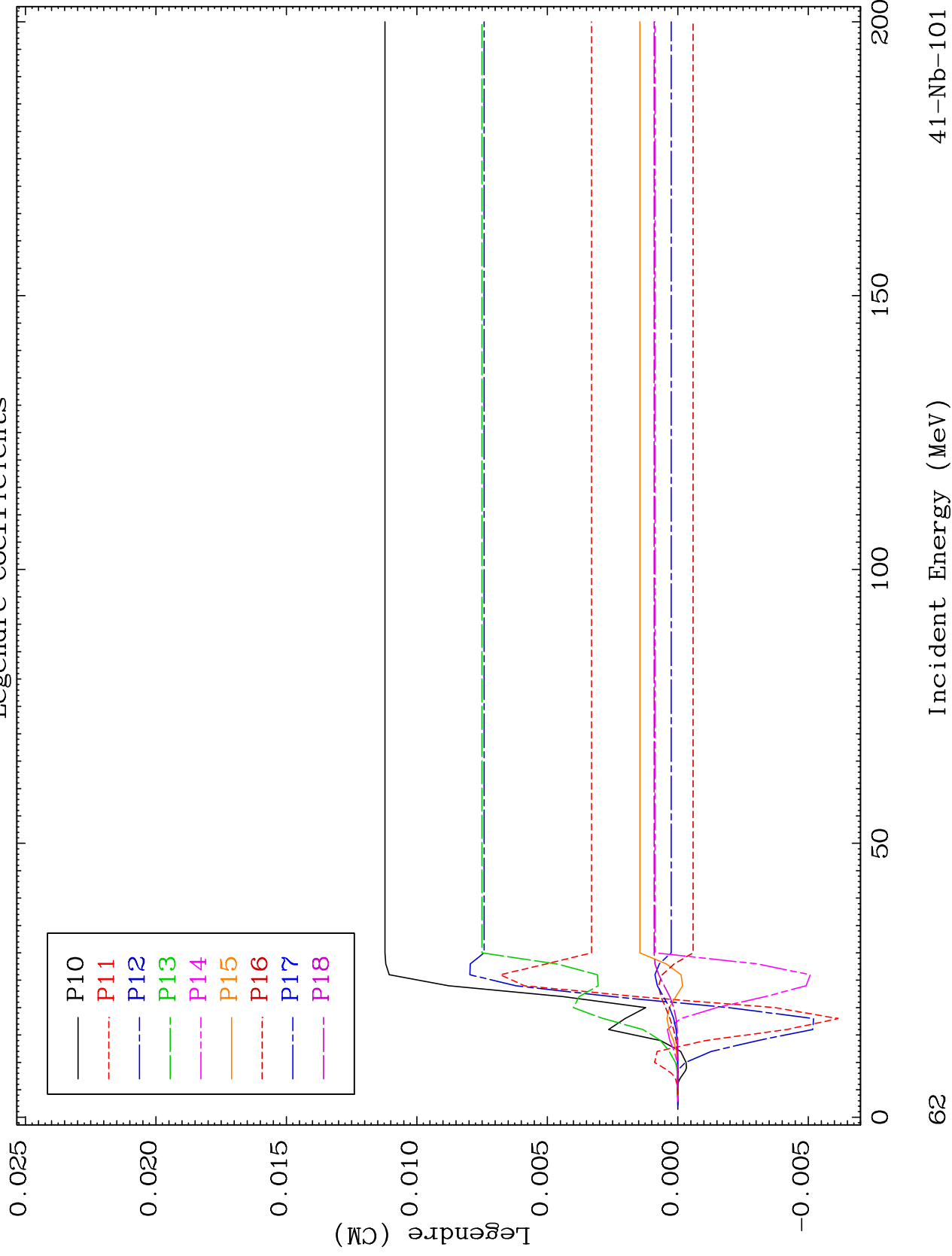
Incident Energy (MeV)

61

MAT 4149

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

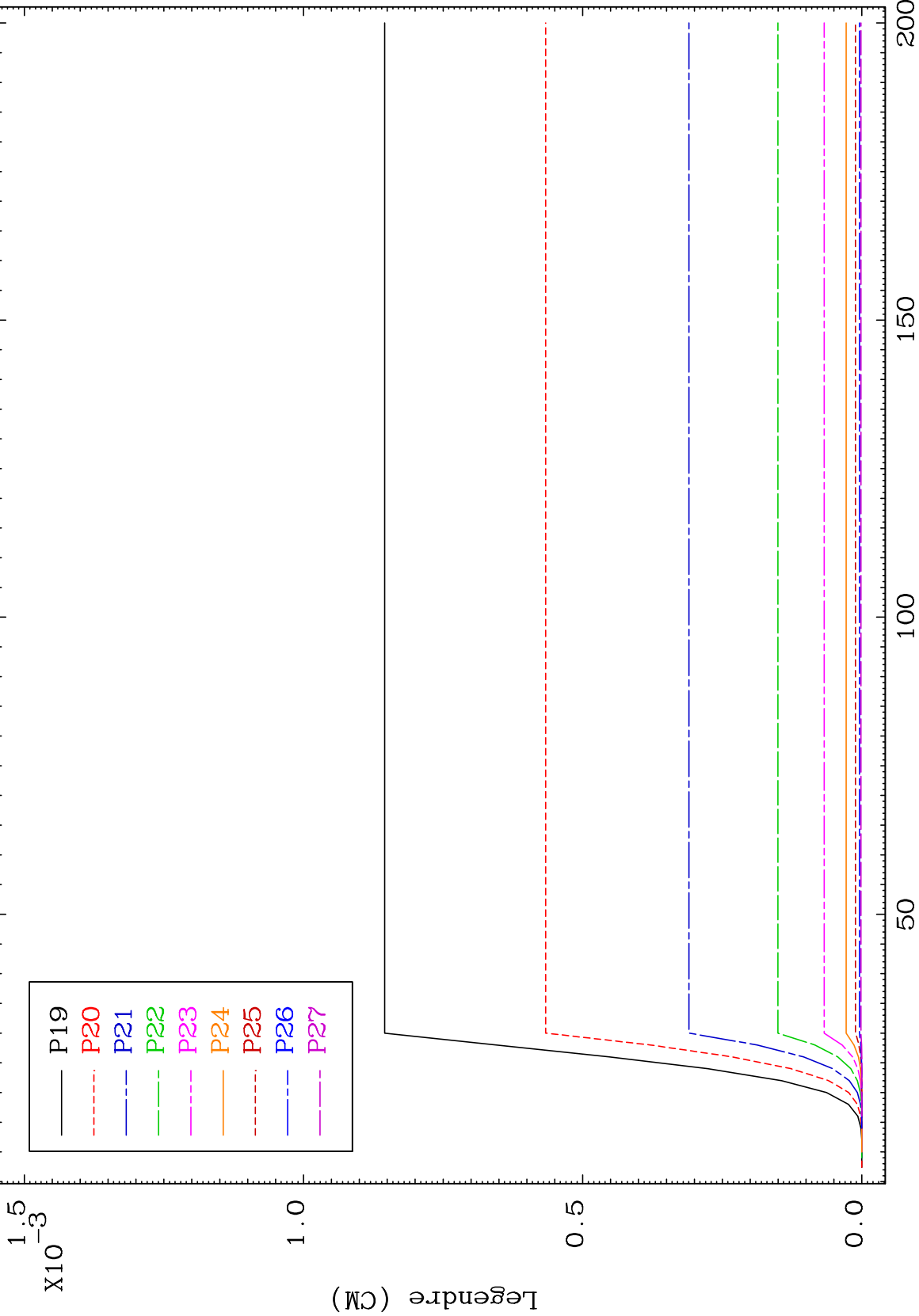
41-Nb-101



41-Nb-101

Incident Energy (MeV)

62

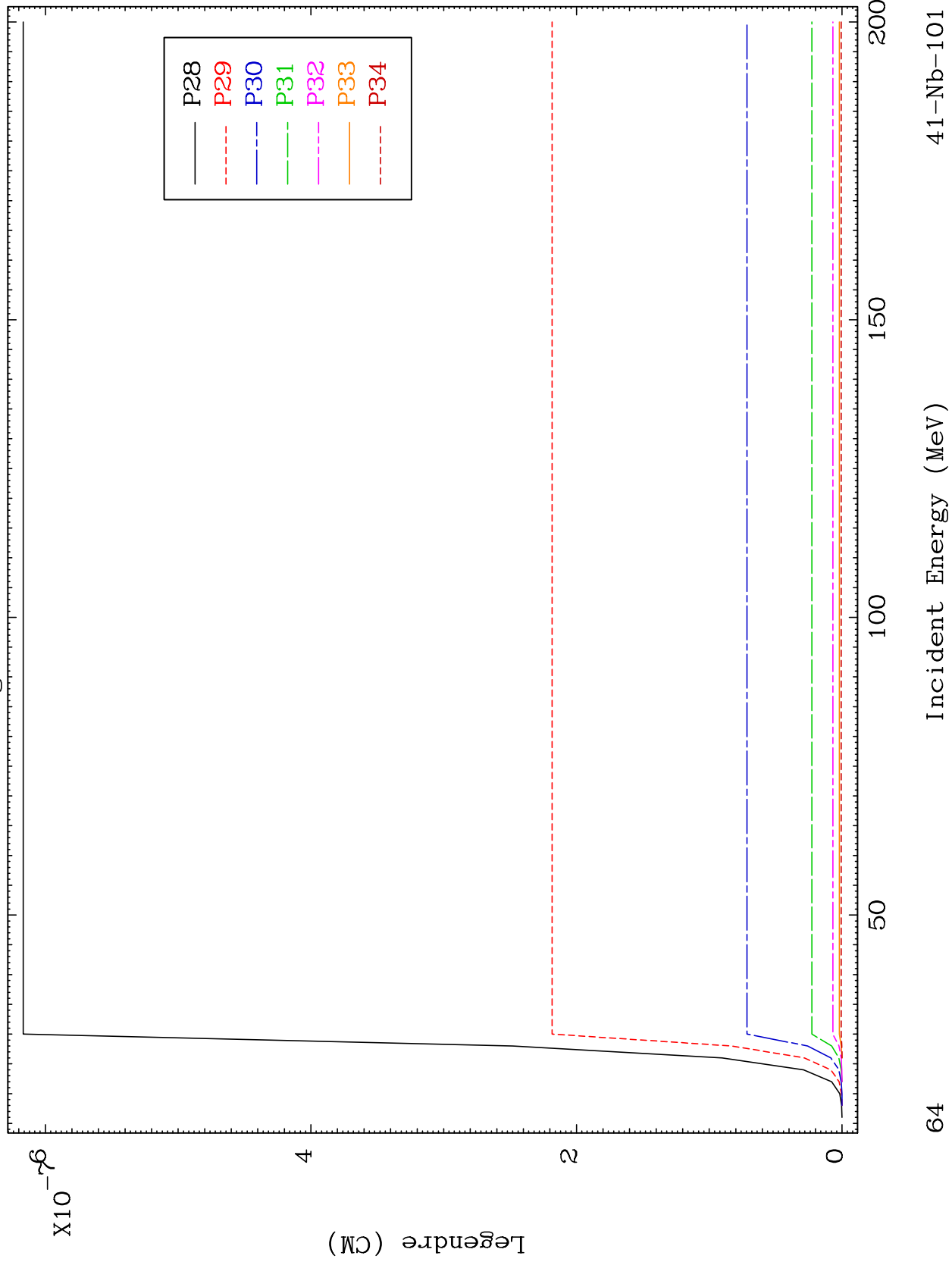




MAT 4149

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

41-Nb-101



64

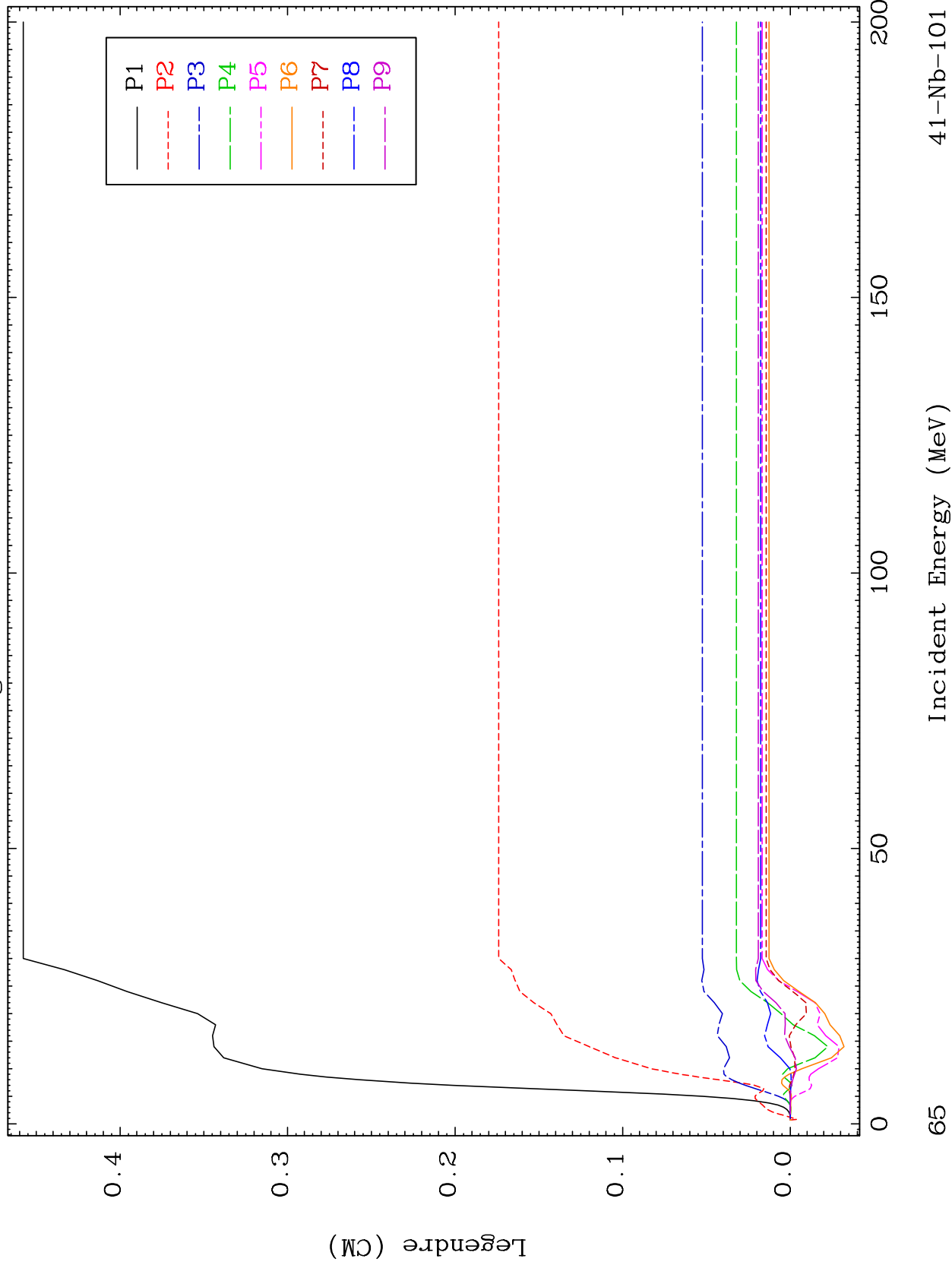
Incident Energy (MeV)

41-Nb-101

MAT 4149

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

41-Nb-101



41-Nb-101

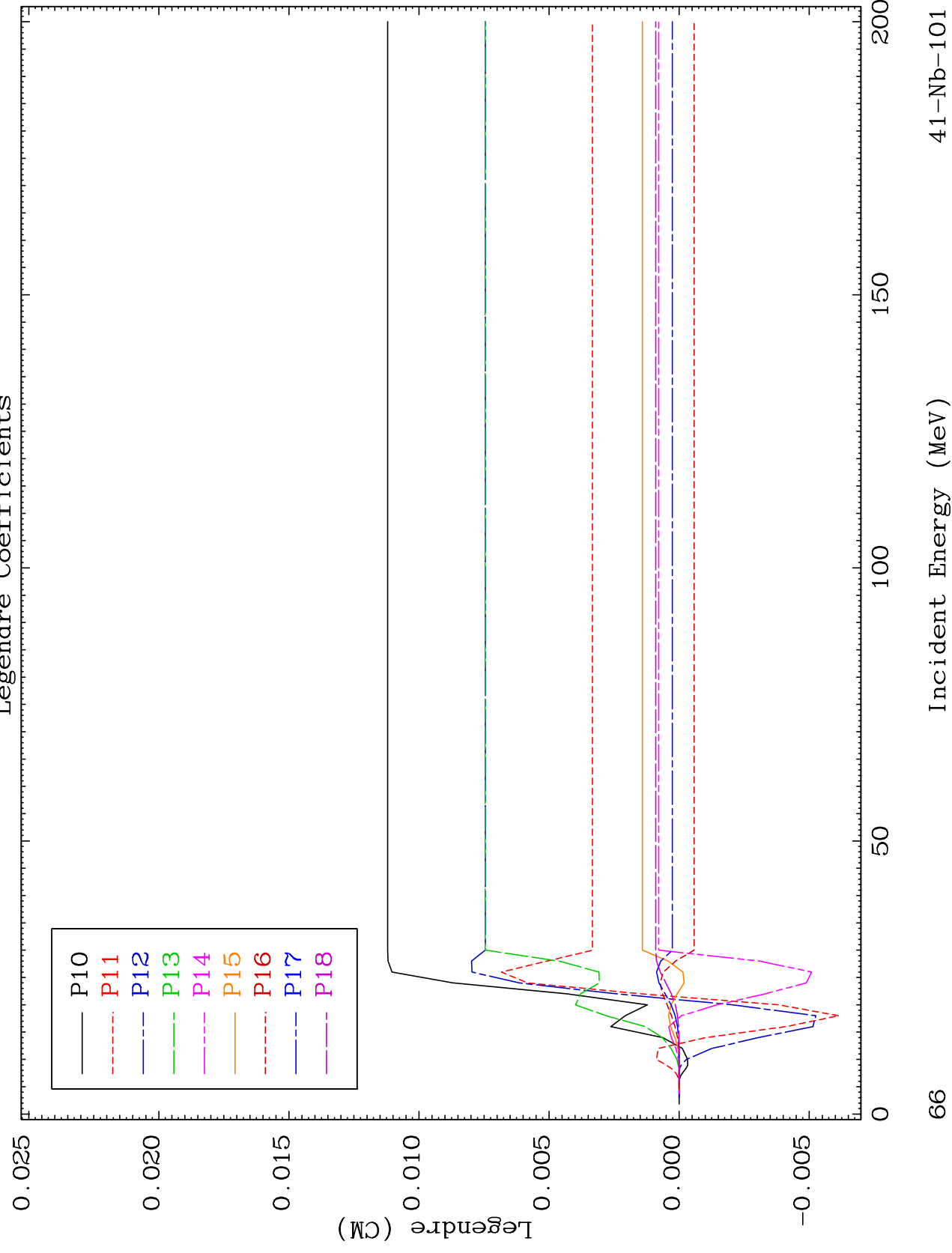
Incident Energy (MeV)

65

MAT 4149

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

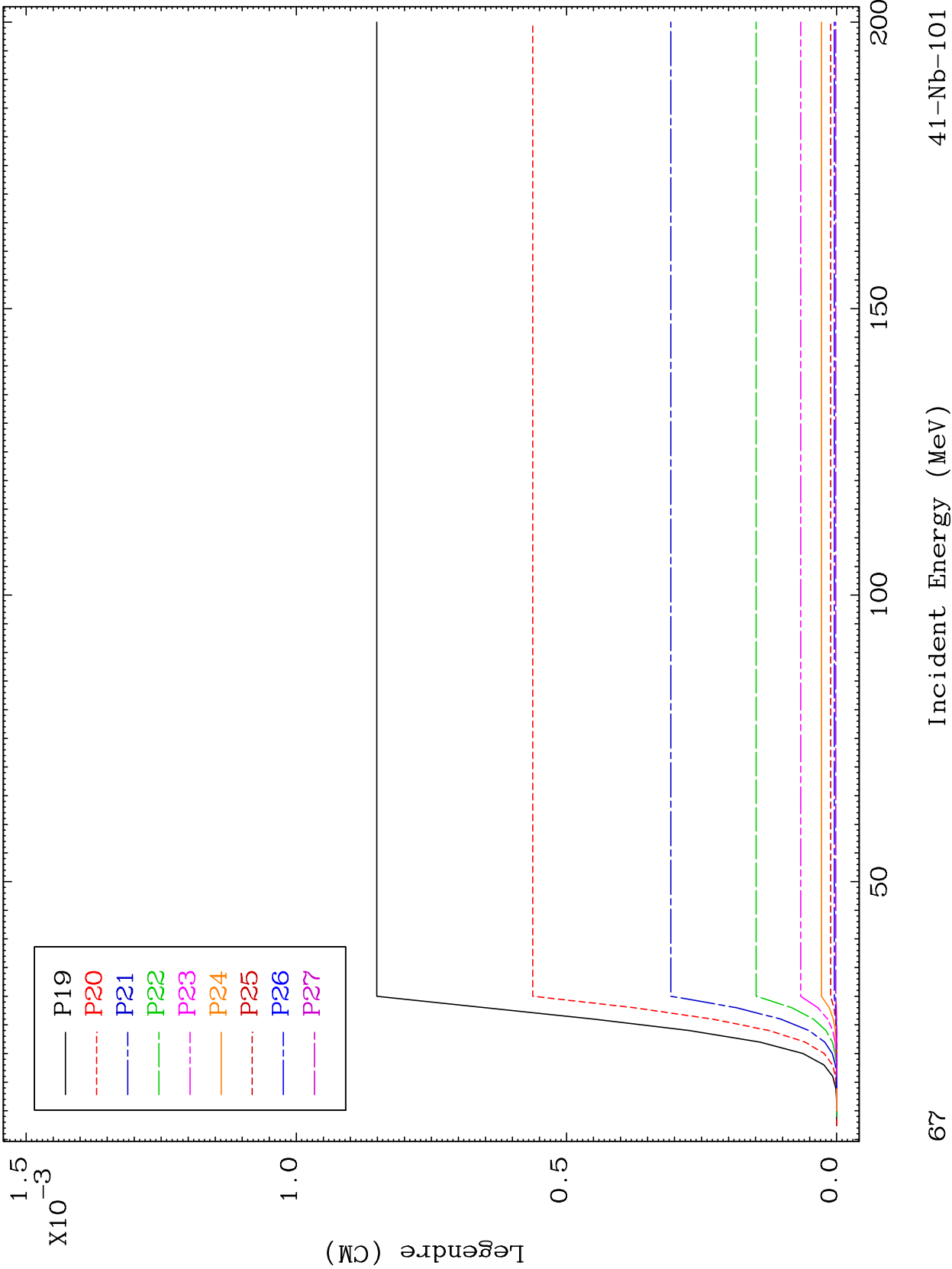
41-Nb-101



MAT 4149

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

41-Nb-101

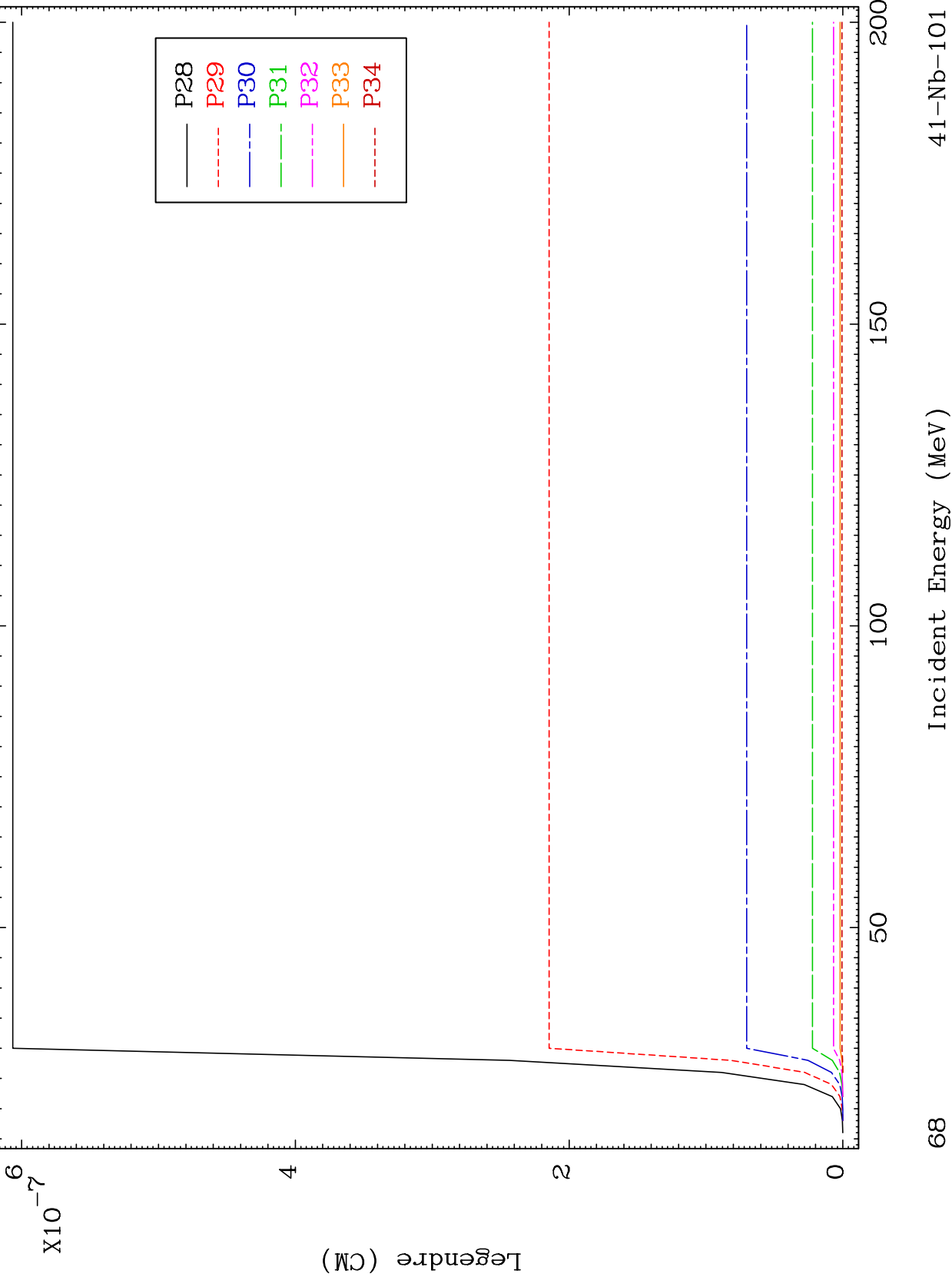


67

MAT 4149

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

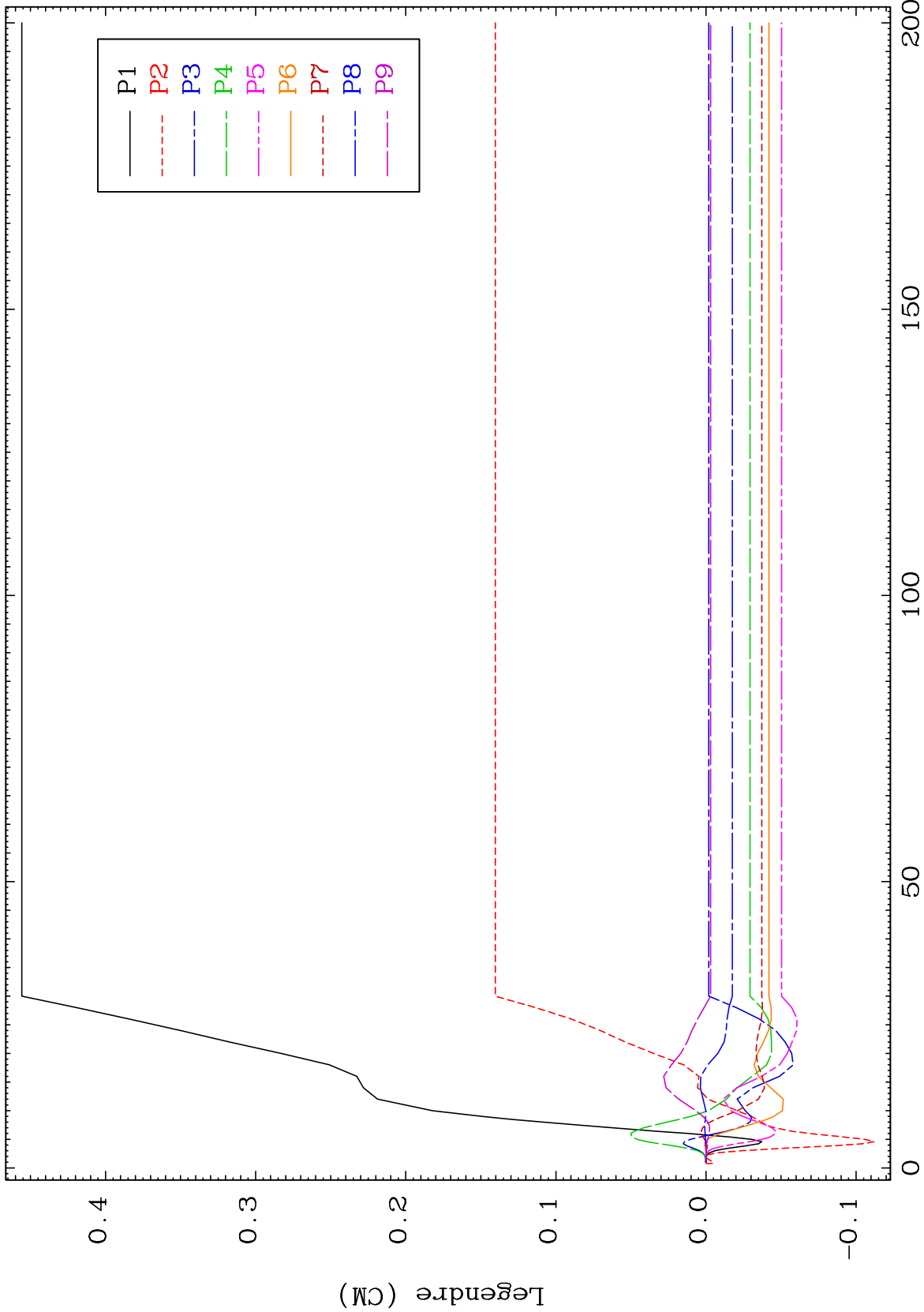
41-Nb-101



MAT 4149

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

41-Nb-101



69

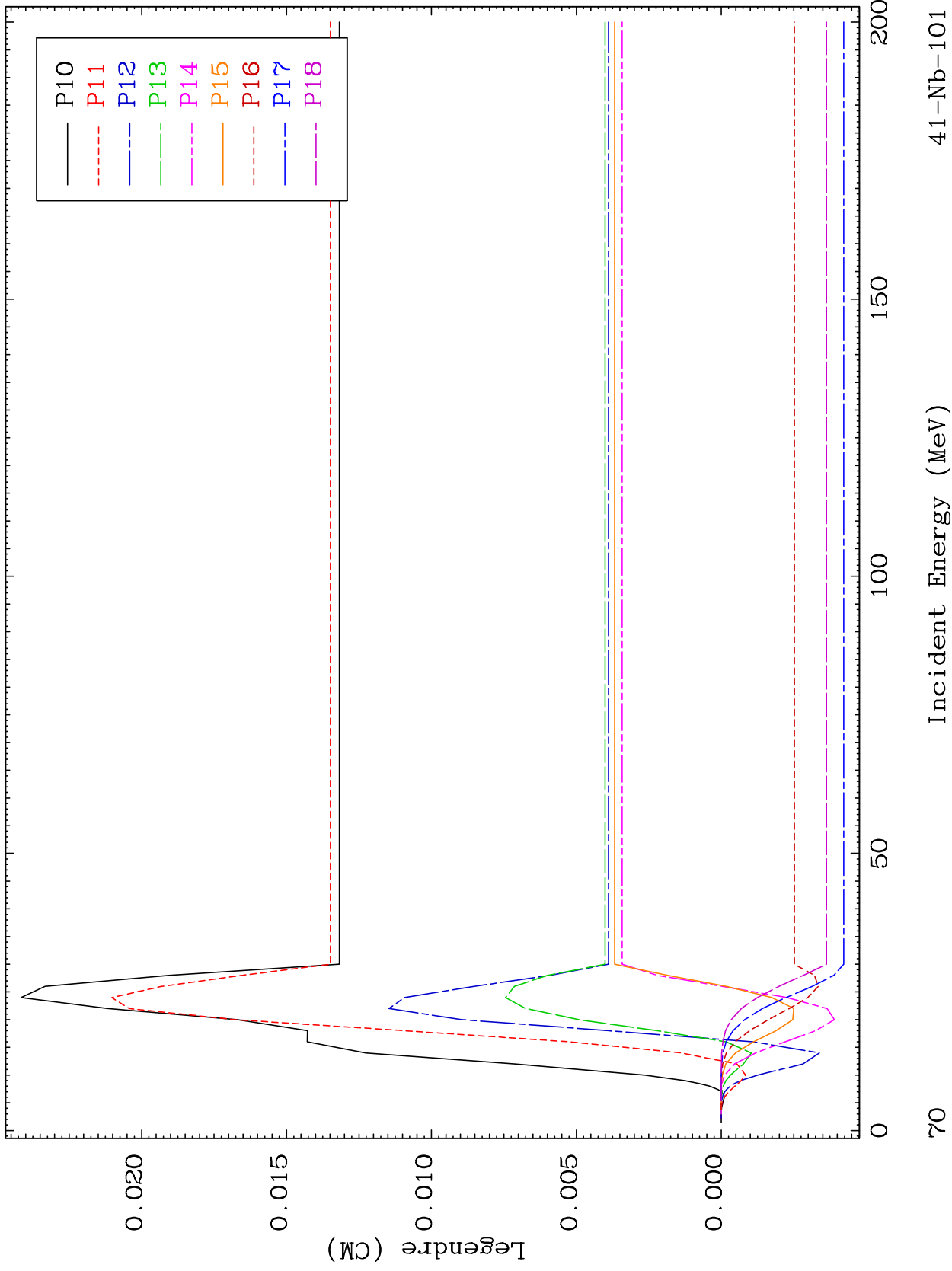
Incident Energy (MeV)

41-Nb-101

MAT 4149

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

41-Nb-101



41-Nb-101

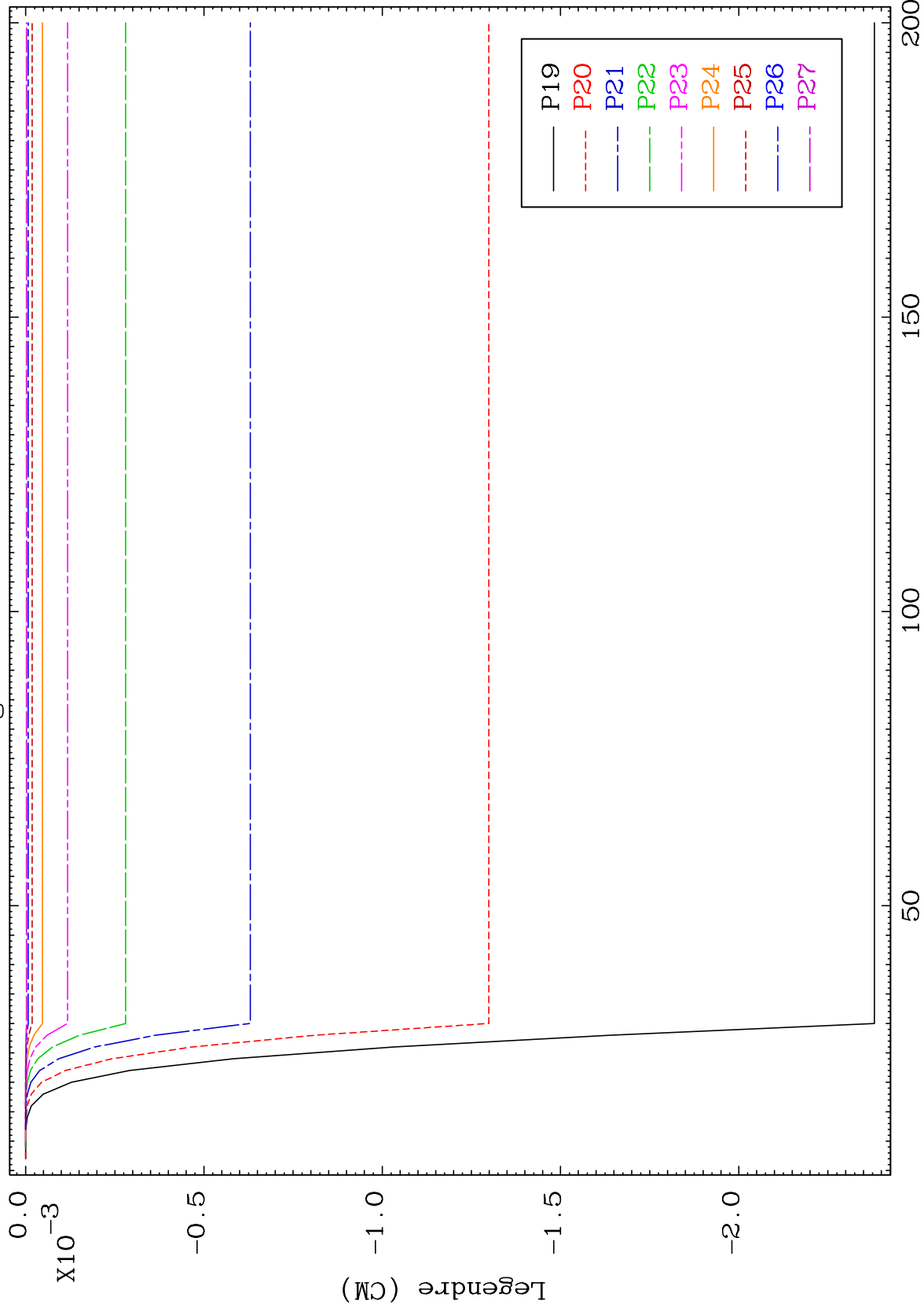
Incident Energy (MeV)

70

MAT 4149

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

41-Nb-101



71

Incident Energy (MeV)

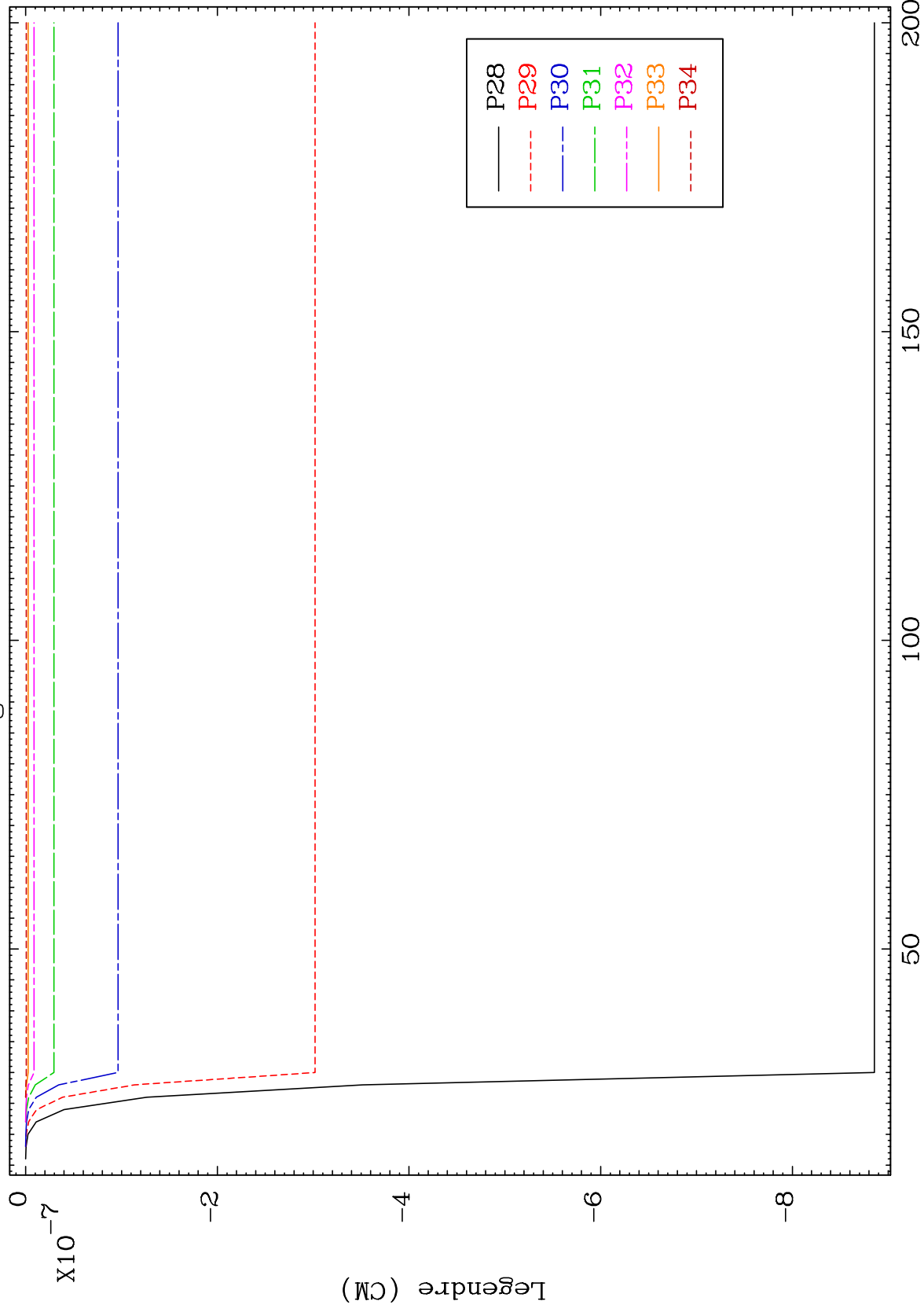
41-Nb-101



MAT 4149

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

41-Nb-101



72

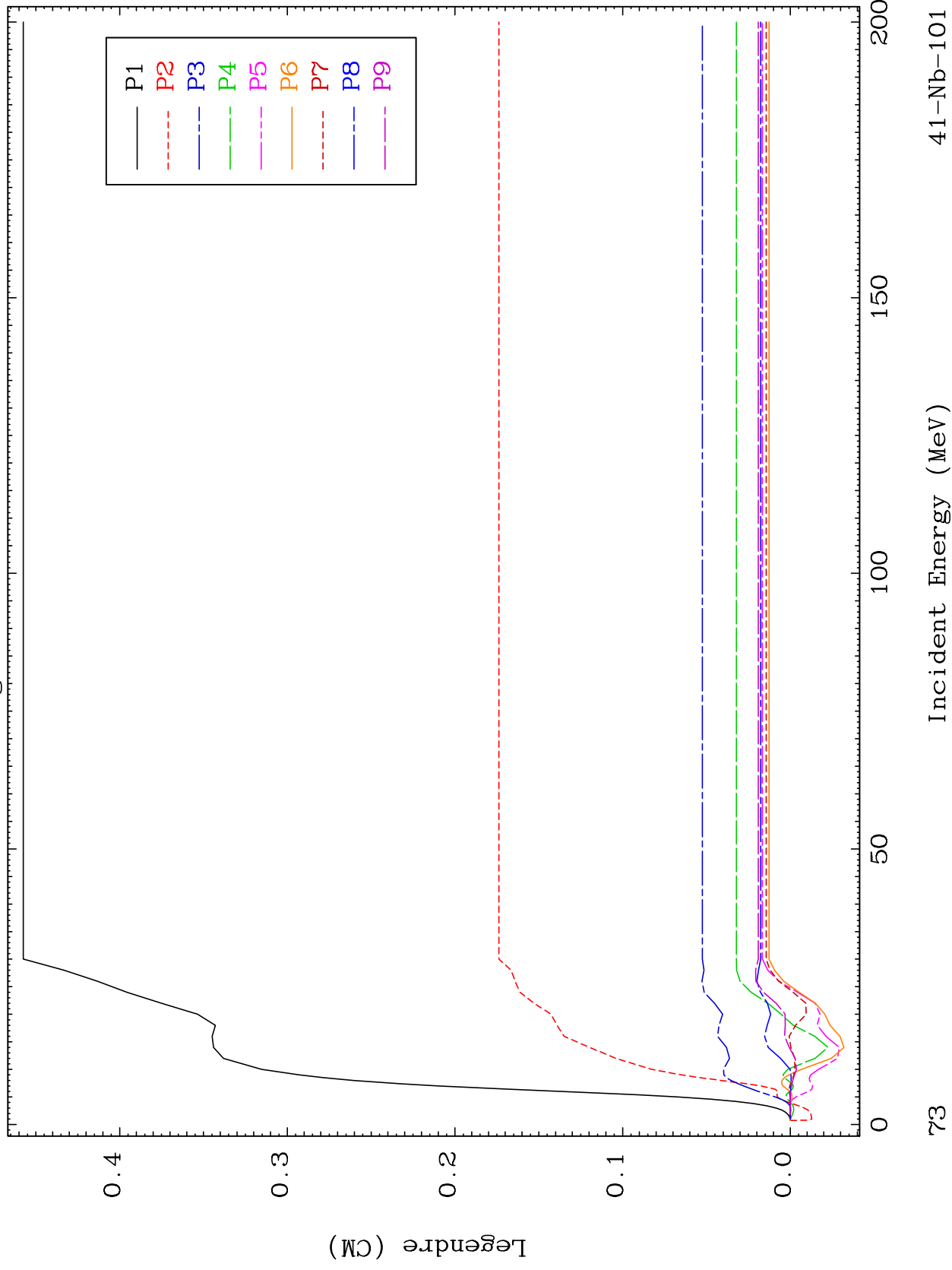
Incident Energy (MeV)

41-Nb-101

MAT 4149

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

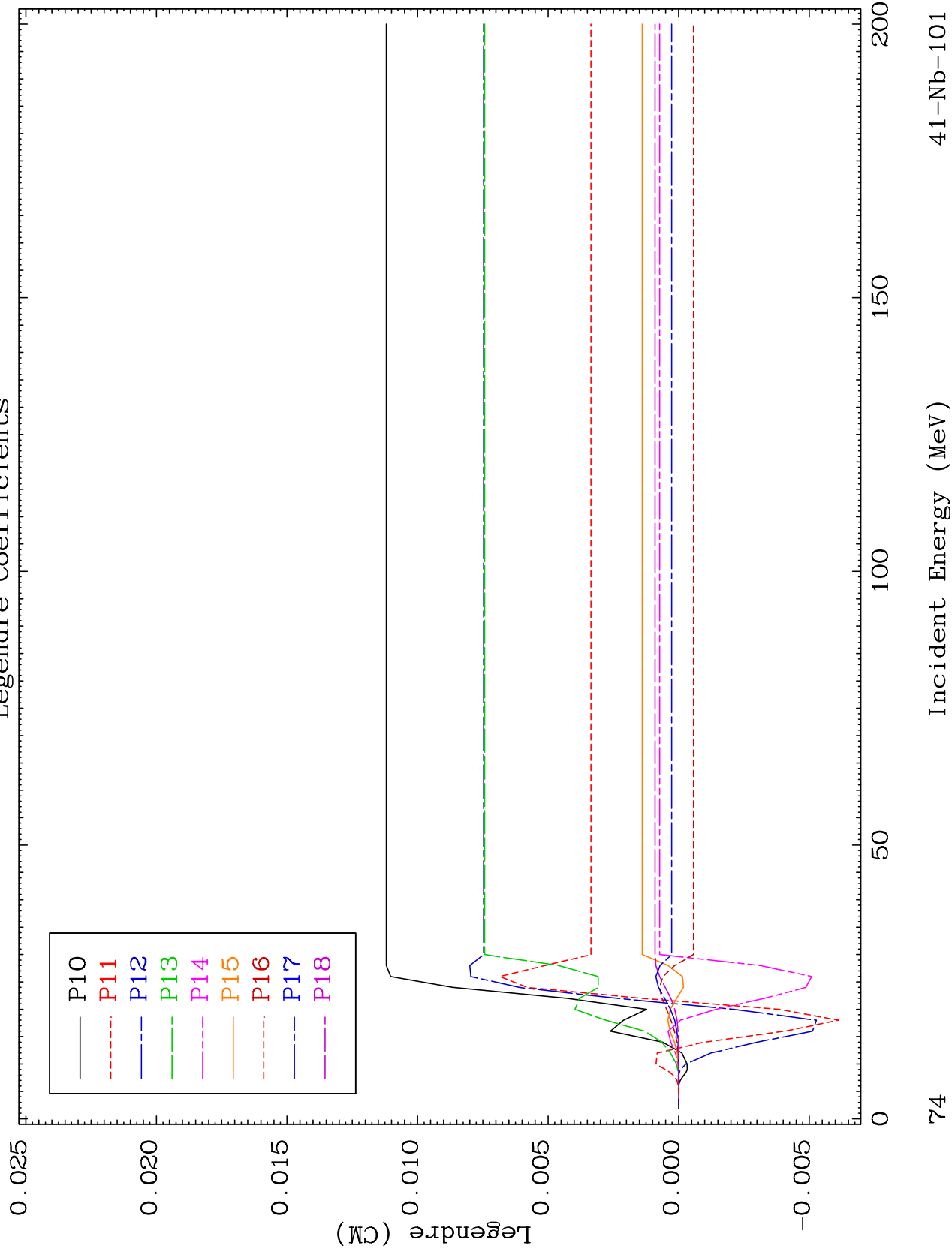
41-Nb-101



MAT 4149

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

41-Nb-101



74

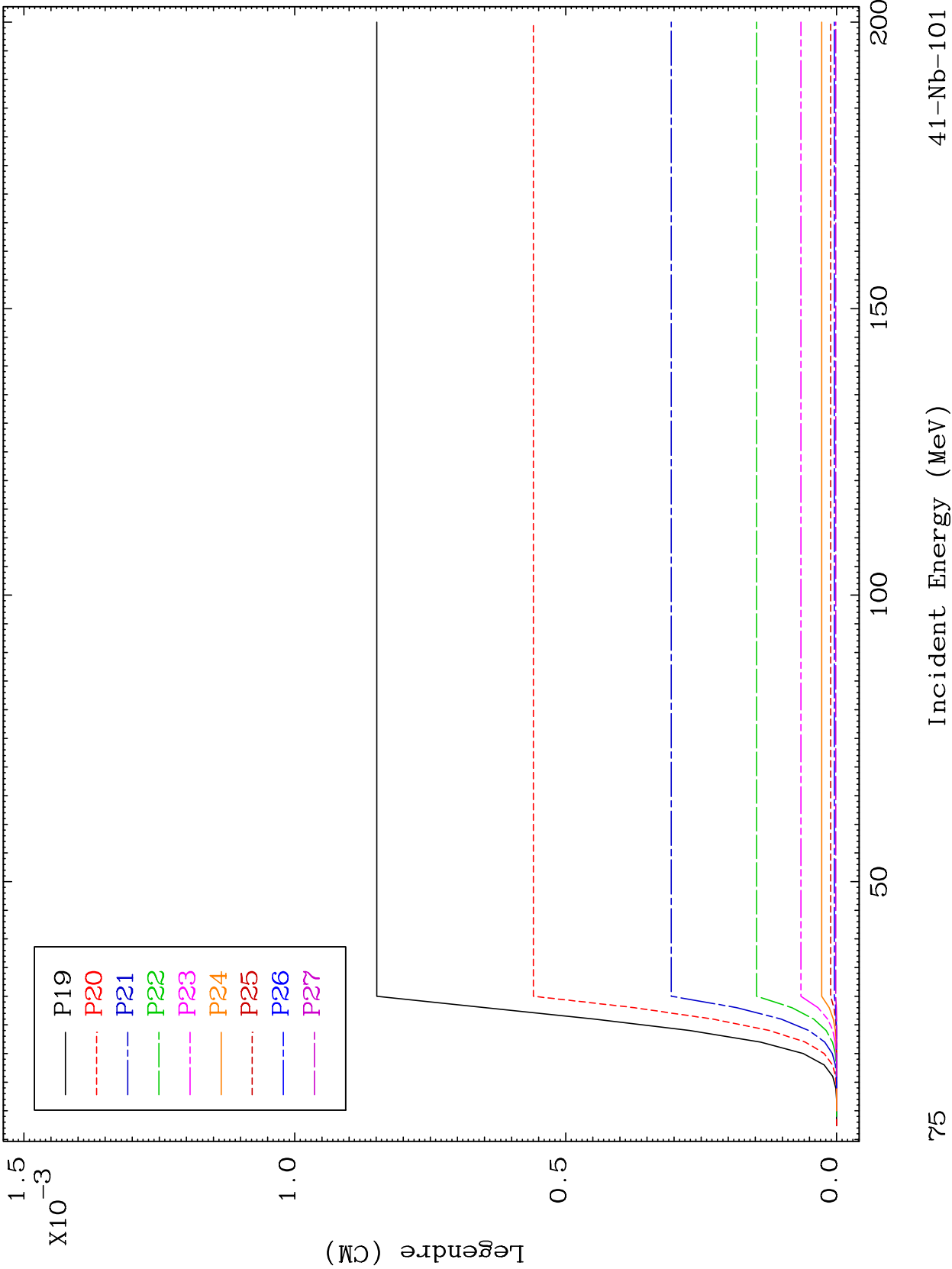
Incident Energy (MeV)

41-Nb-101

MAT 4149

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

41-Nb-101



75

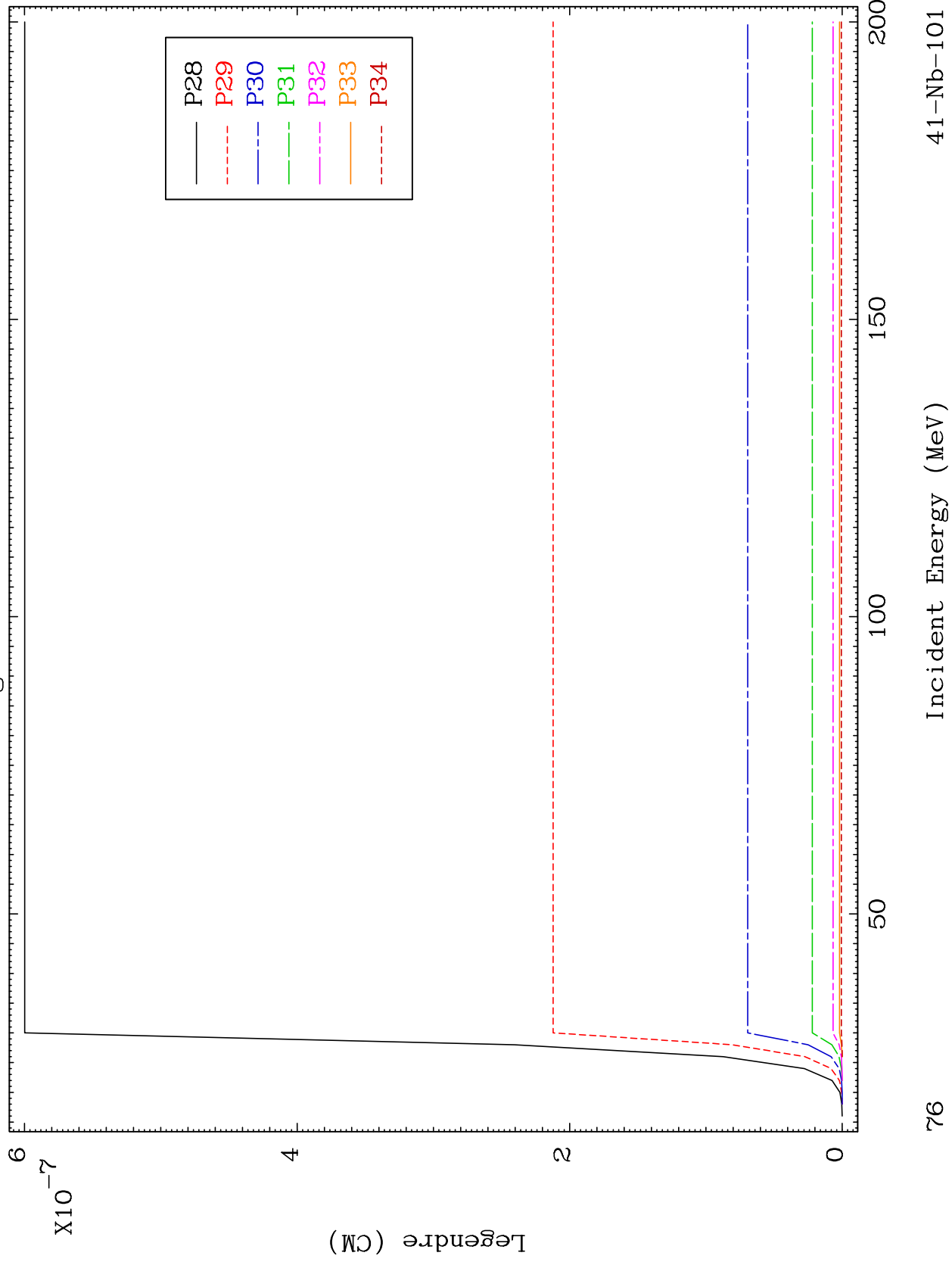
Incident Energy (MeV)

41-Nb-101

MAT 4149

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

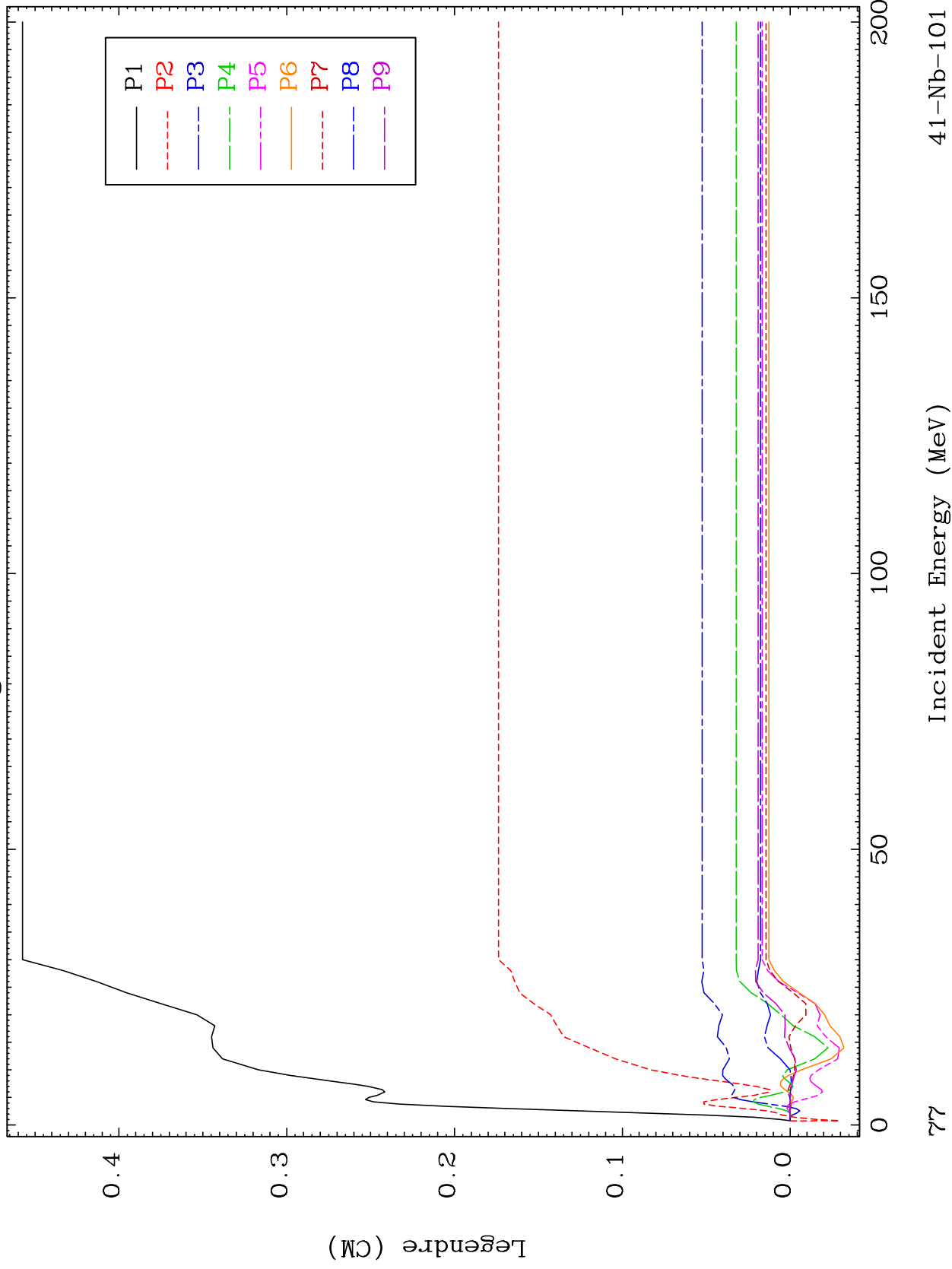
41-Nb-101



MAT 4149

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

41-Nb-101



41-Nb-101

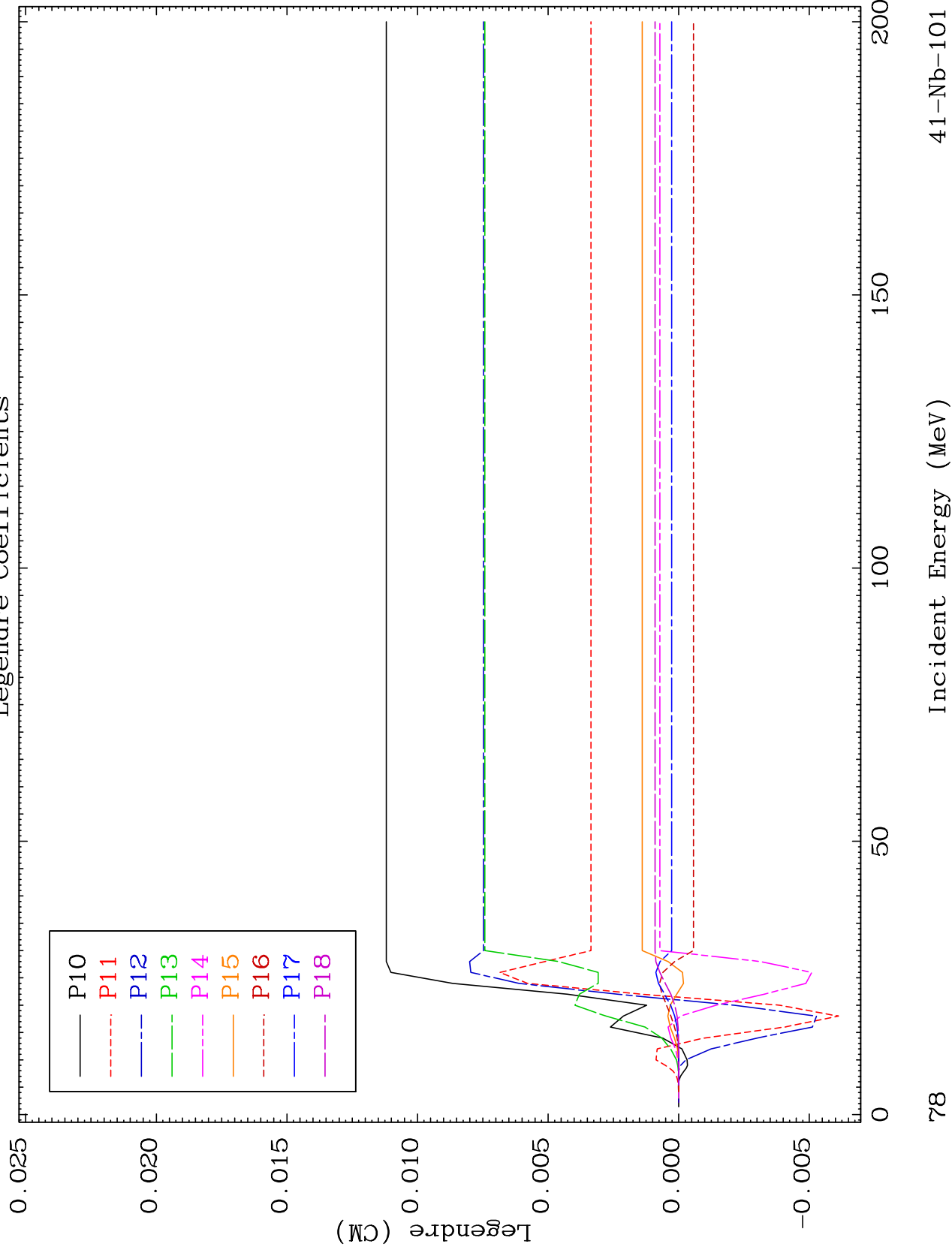
Incident Energy (MeV)

77

MAT 4149

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

41-Nb-101

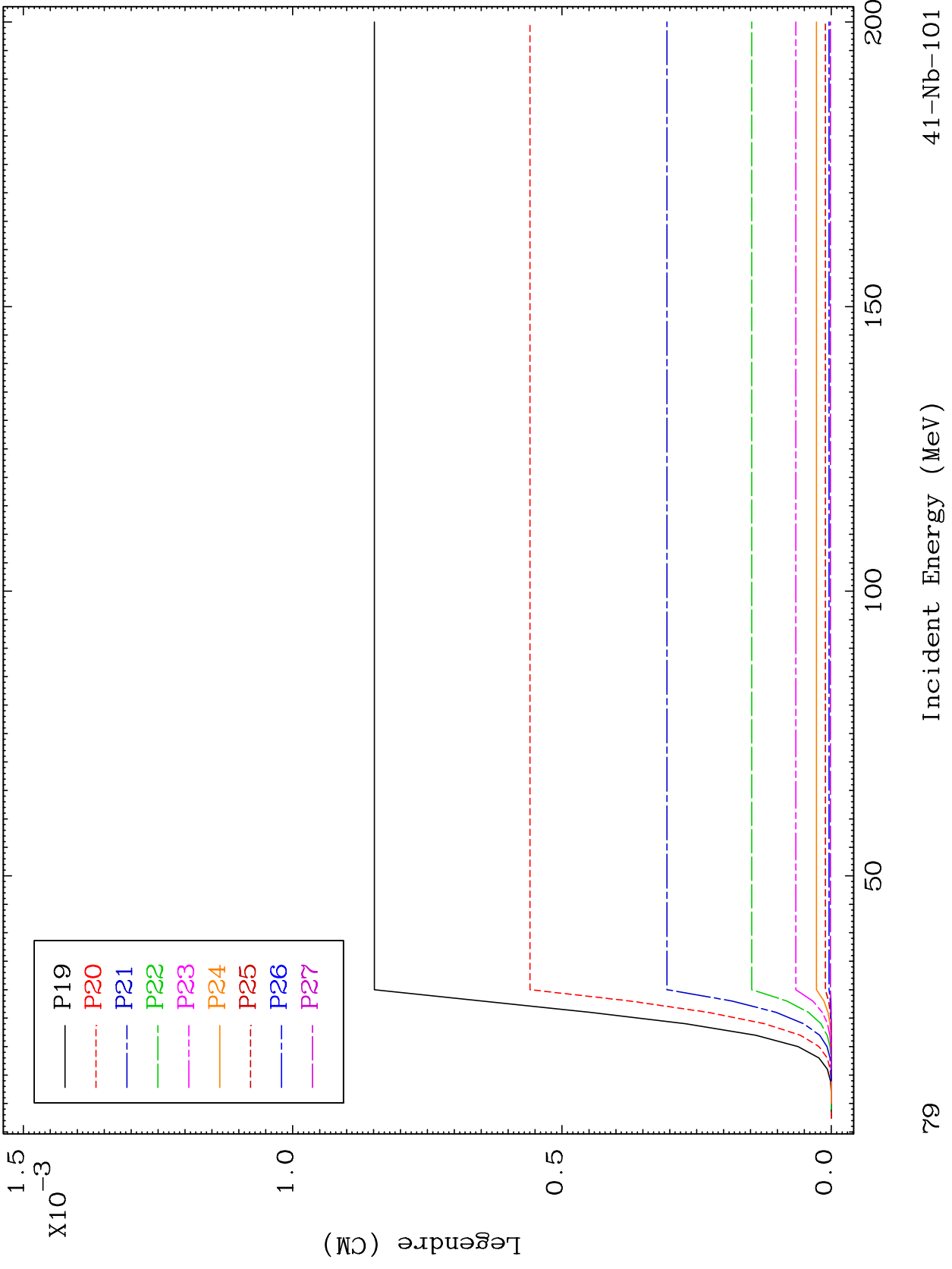


78

MAT 4149

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

41-Nb-101



79

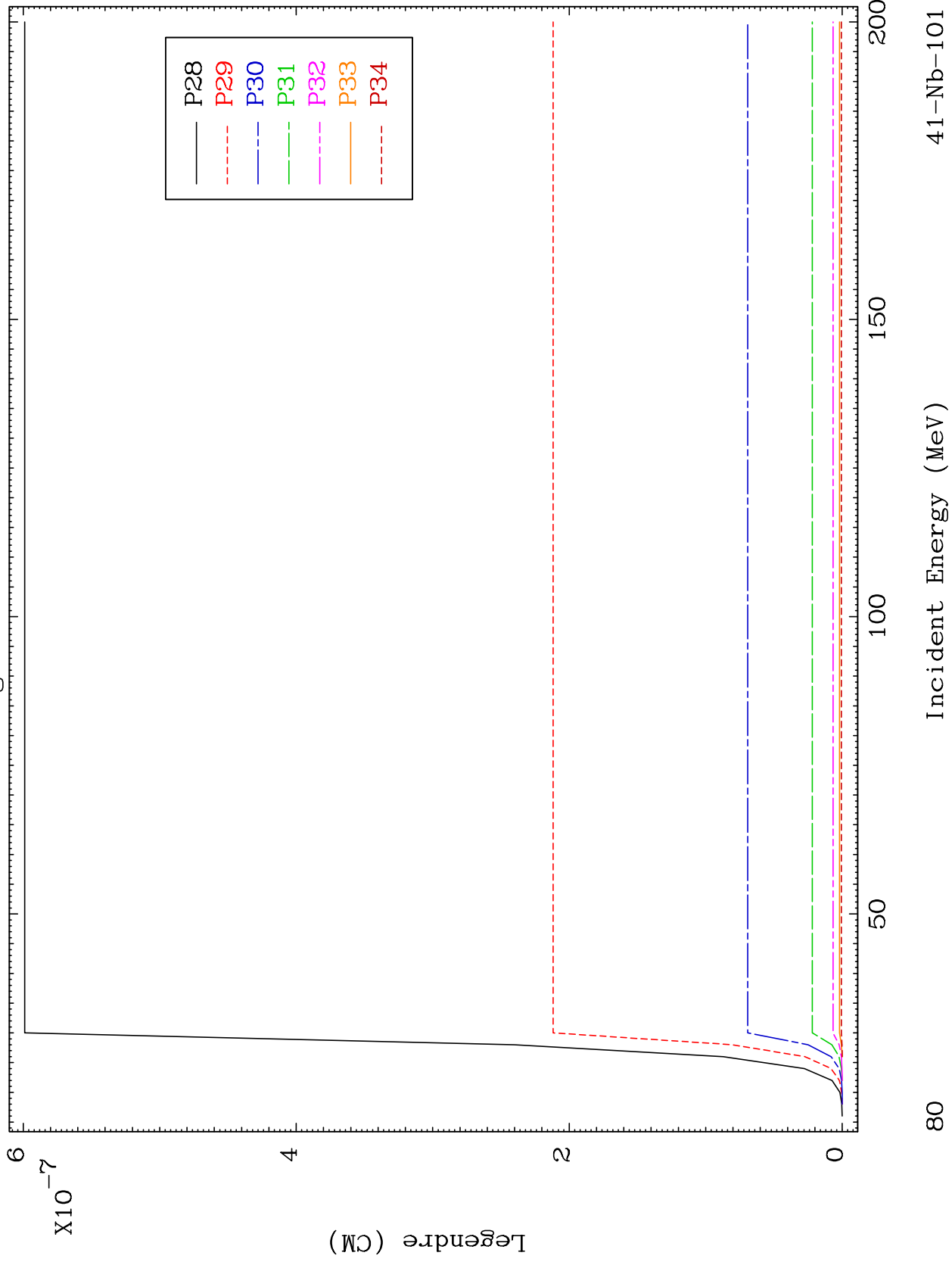
41-Nb-101



MAT 4149

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

41-Nb-101

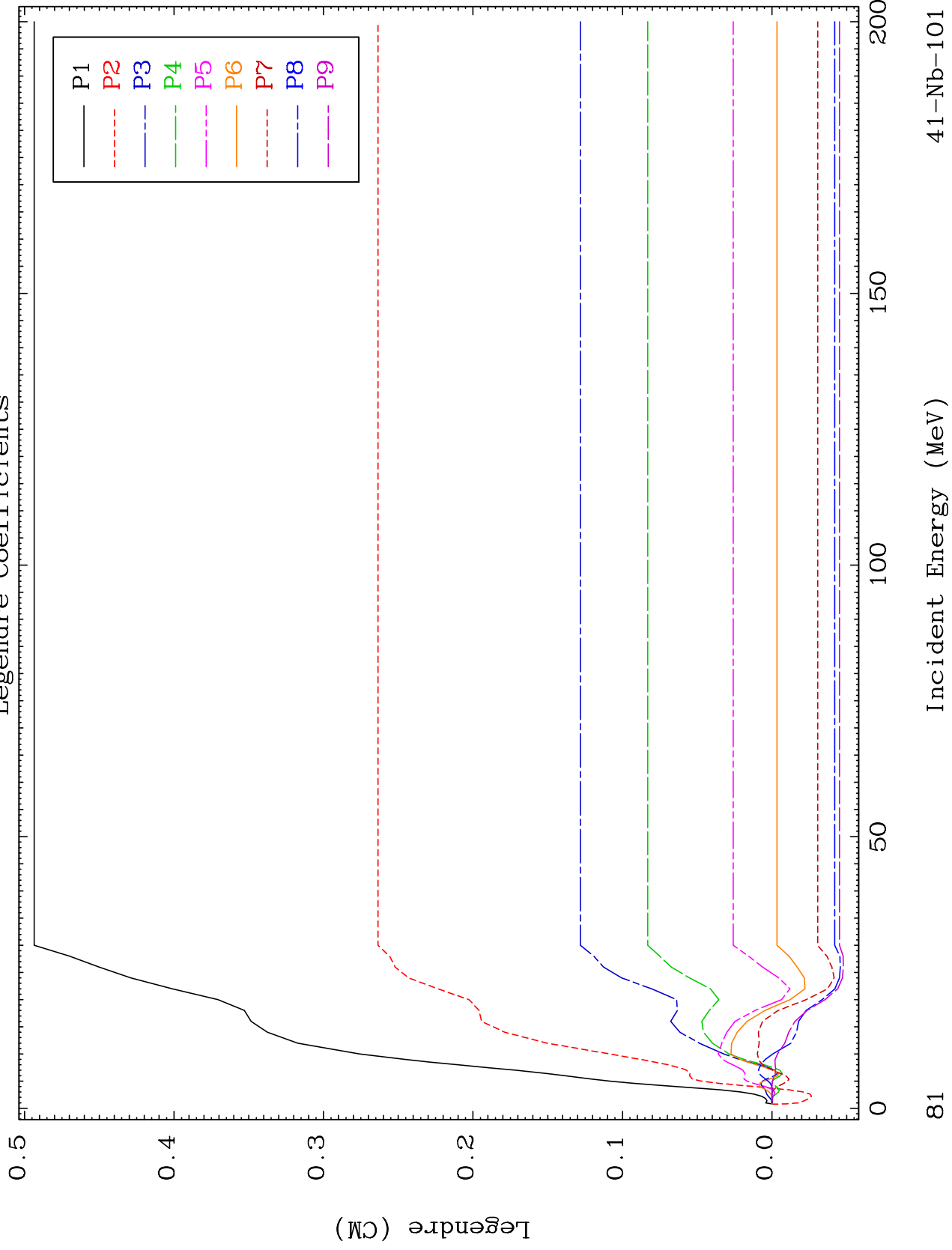


MAT 4149

MT= 66 (n,n') Level

41-Nb-101

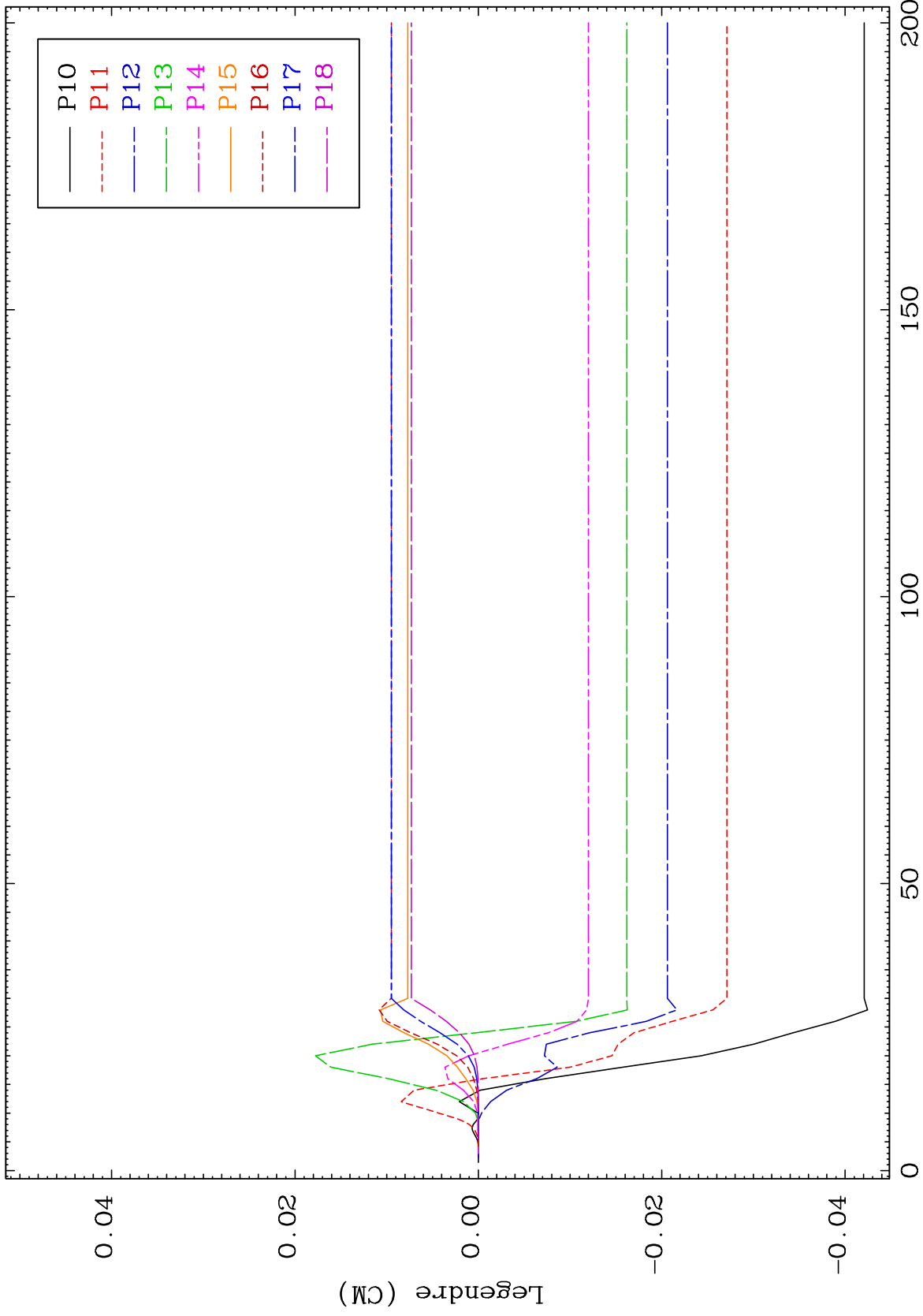
Legendre Coefficients



MAT 4149

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

41-Nb-101



82

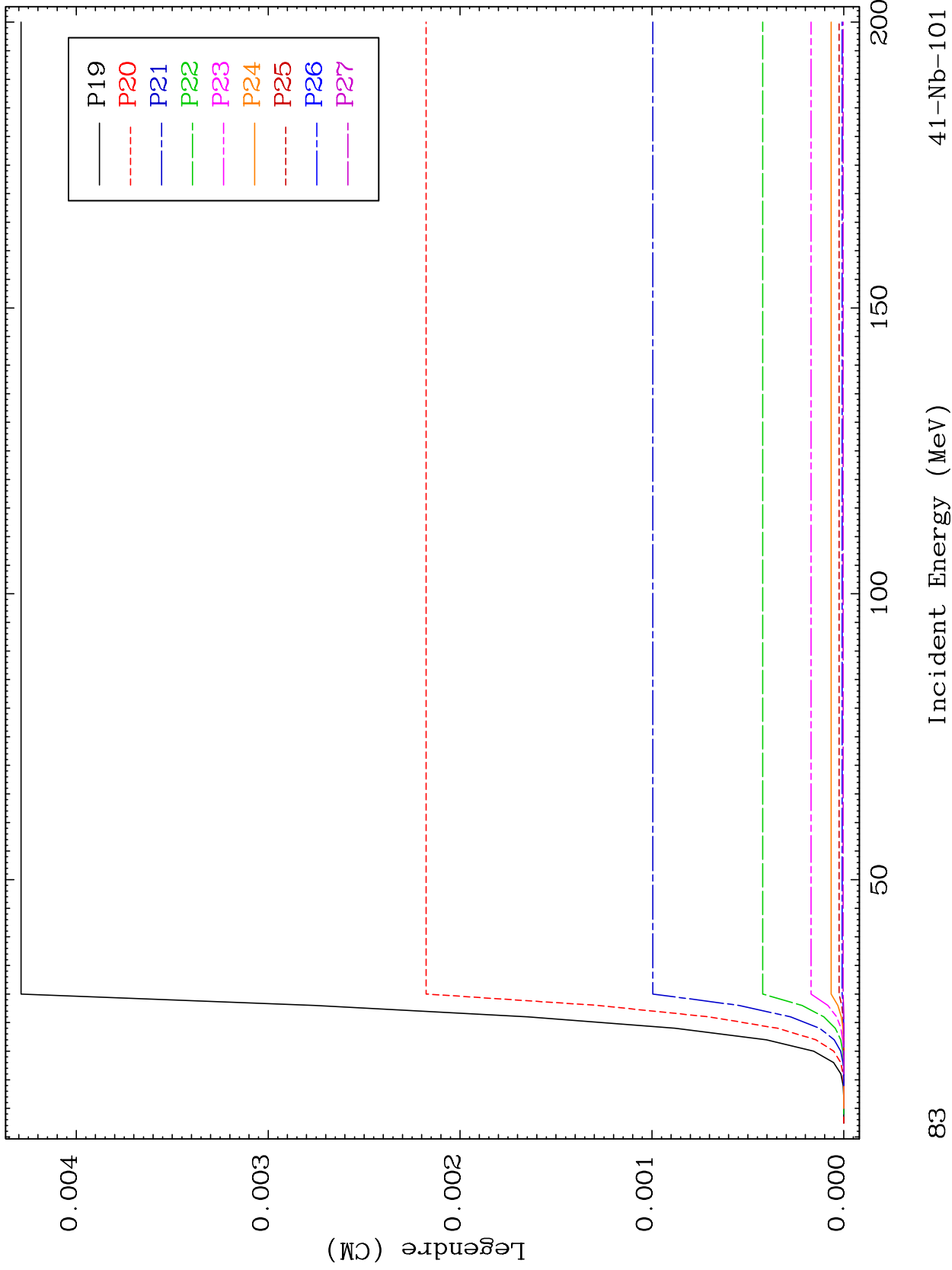
Incident Energy (MeV)

41-Nb-101

MAT 4149

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

41-Nb-101



83

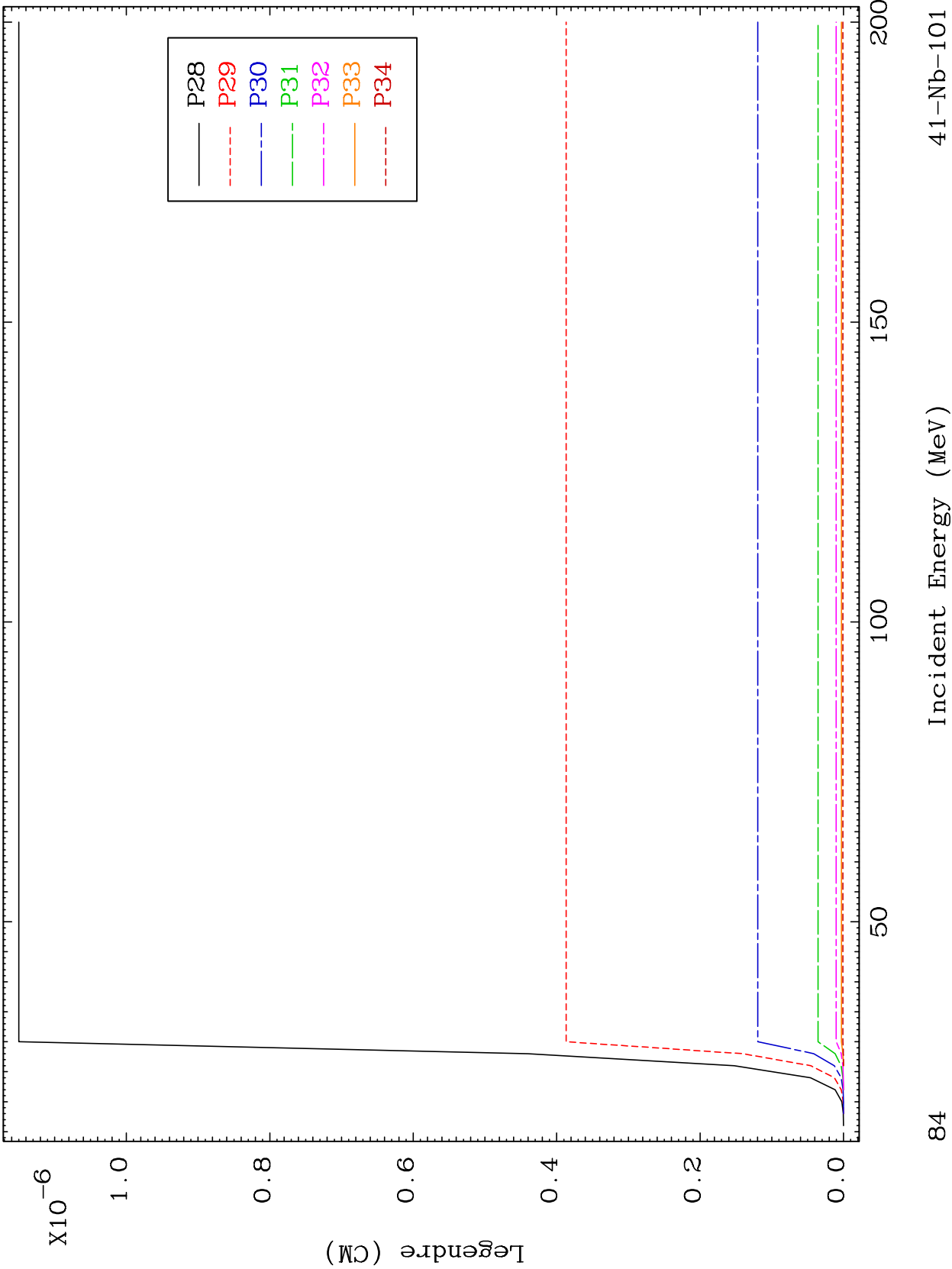
Incident Energy (MeV)

41-Nb-101

MAT 4149

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

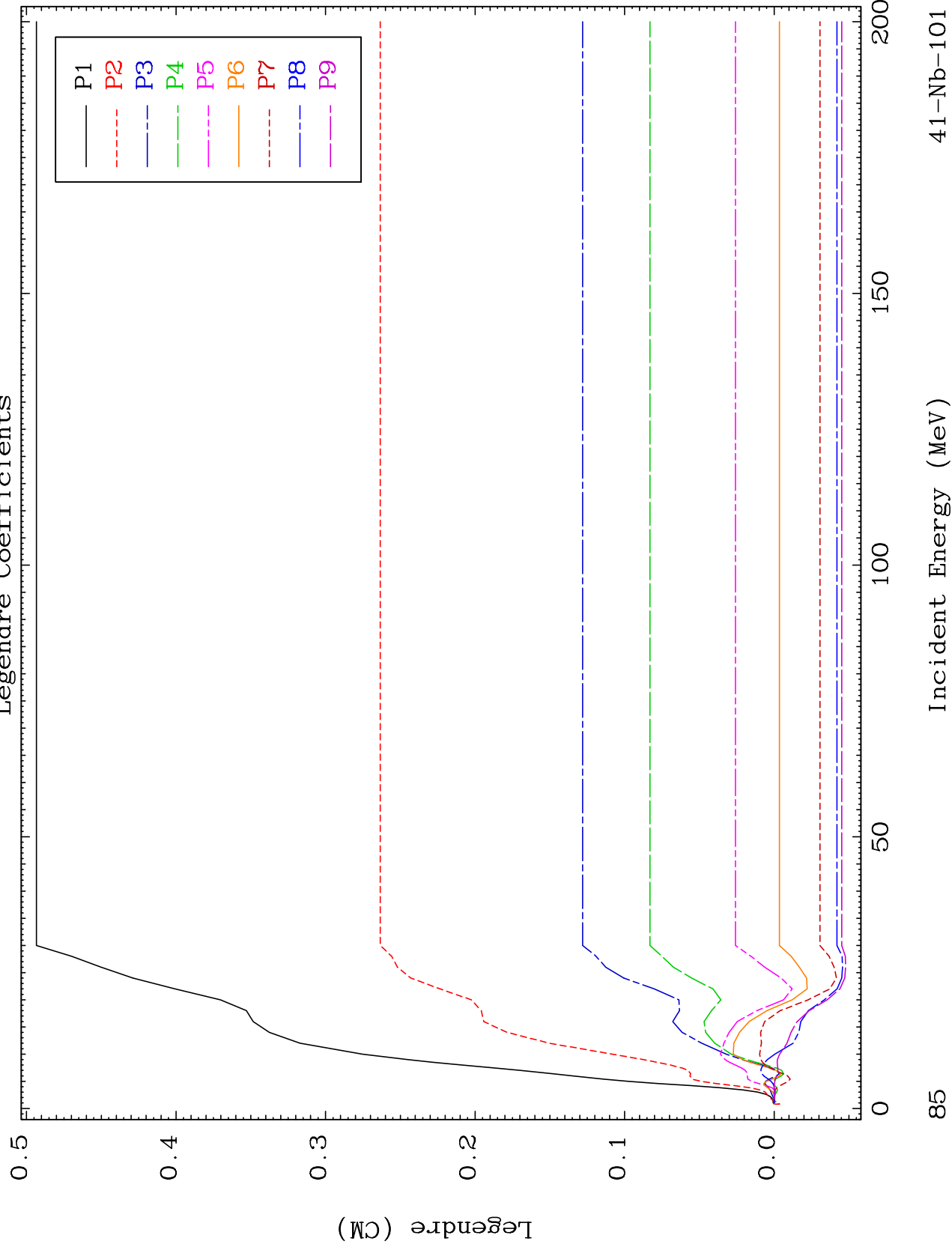
41-Nb-101



MAT 4149

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

41-Nb-101



41-Nb-101

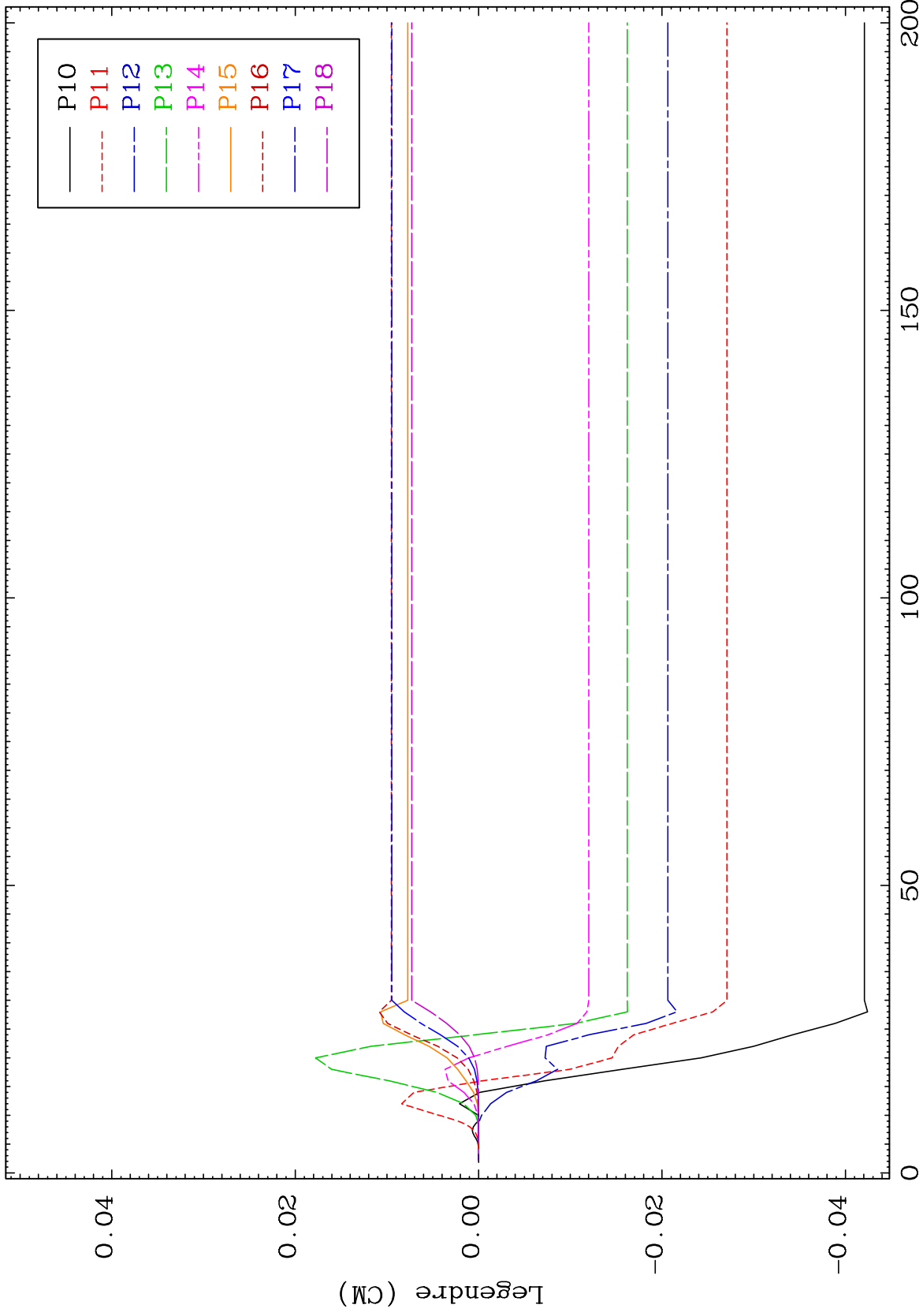
Incident Energy (MeV)

85

MAT 4149

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

41-Nb-101



86

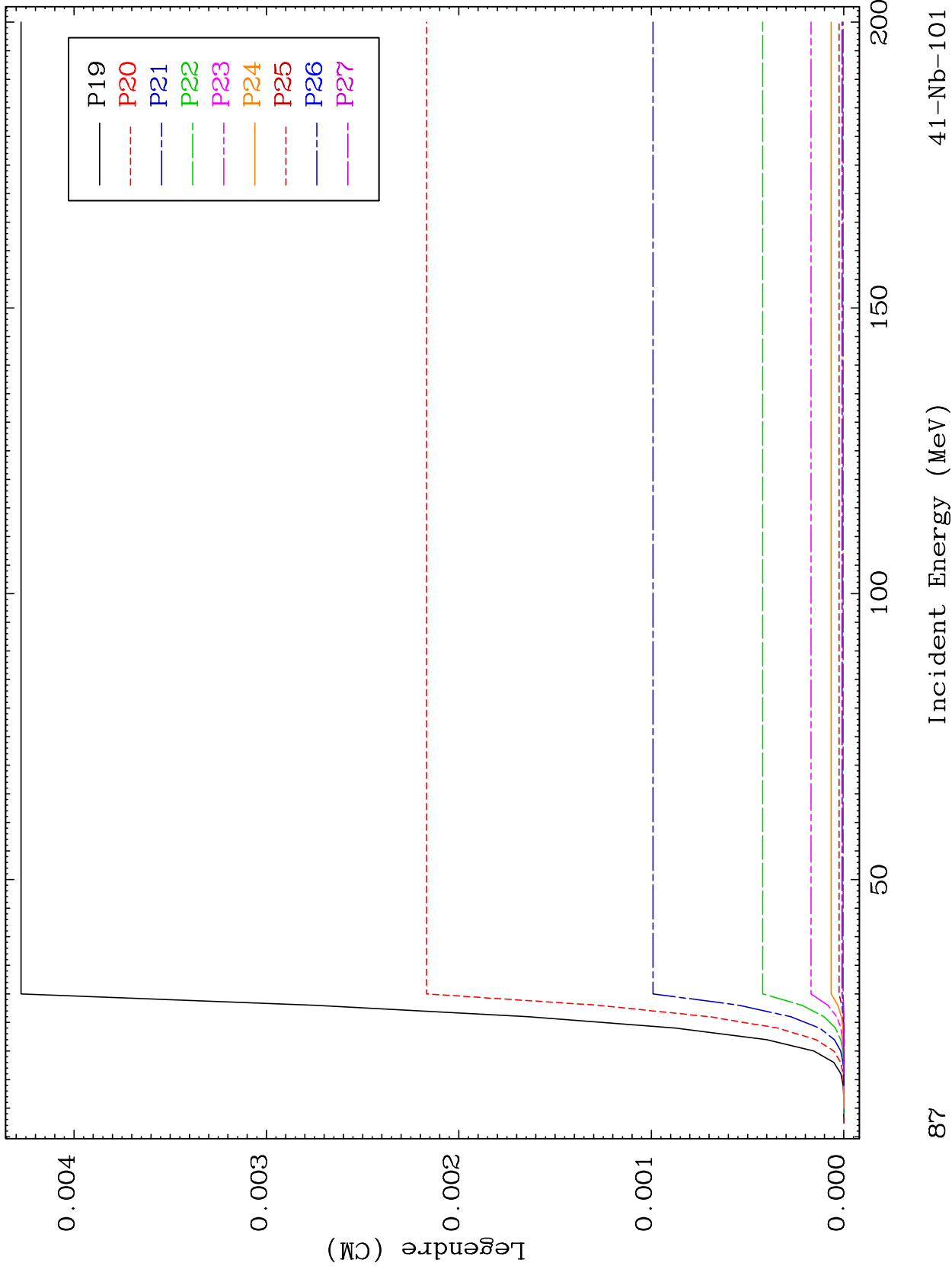
Incident Energy (MeV)

41-Nb-101

MAT 4149

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

41-Nb-101



87

Incident Energy (MeV)

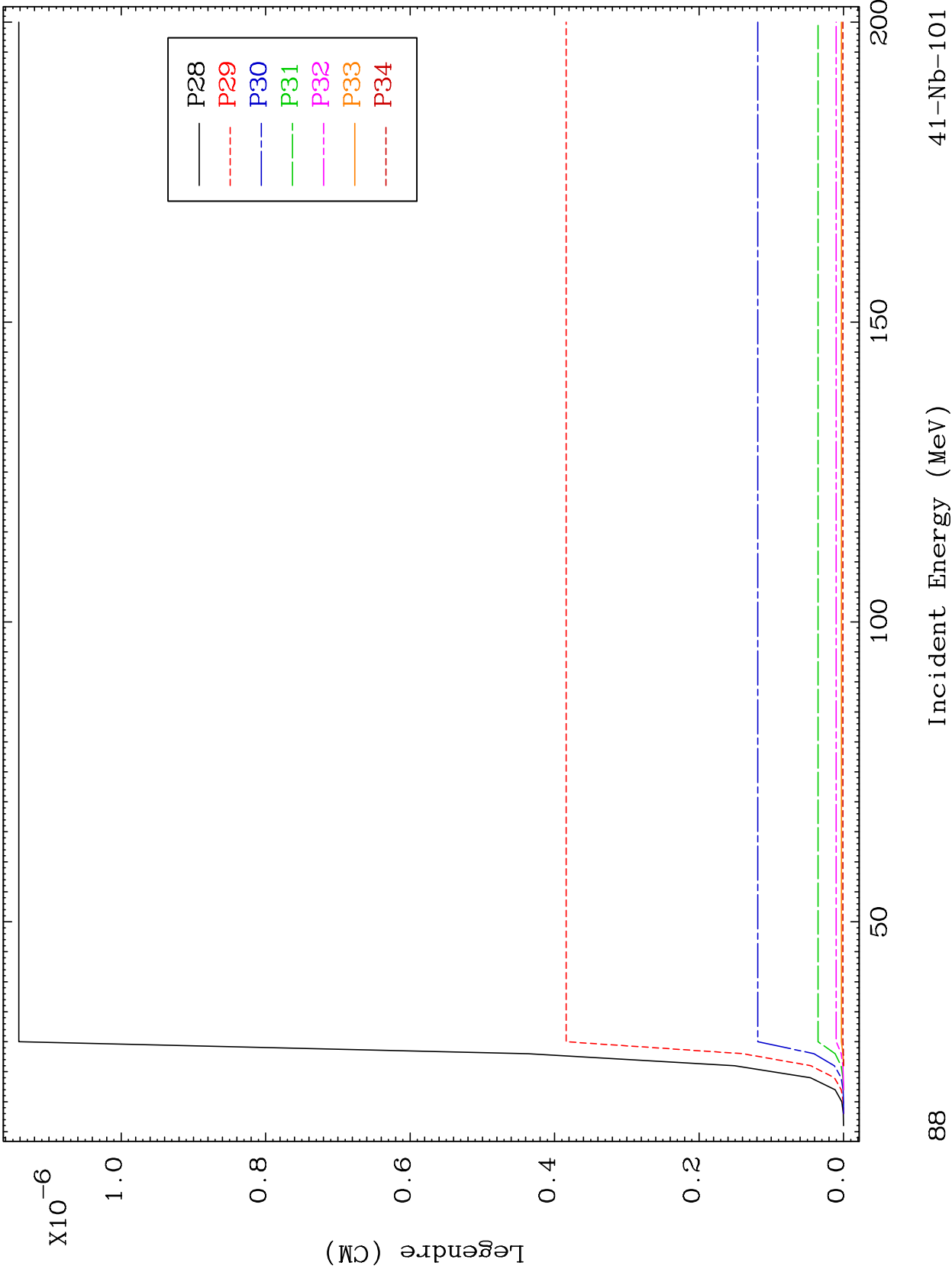
41-Nb-101



MAT 4149

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

41-Nb-101



88

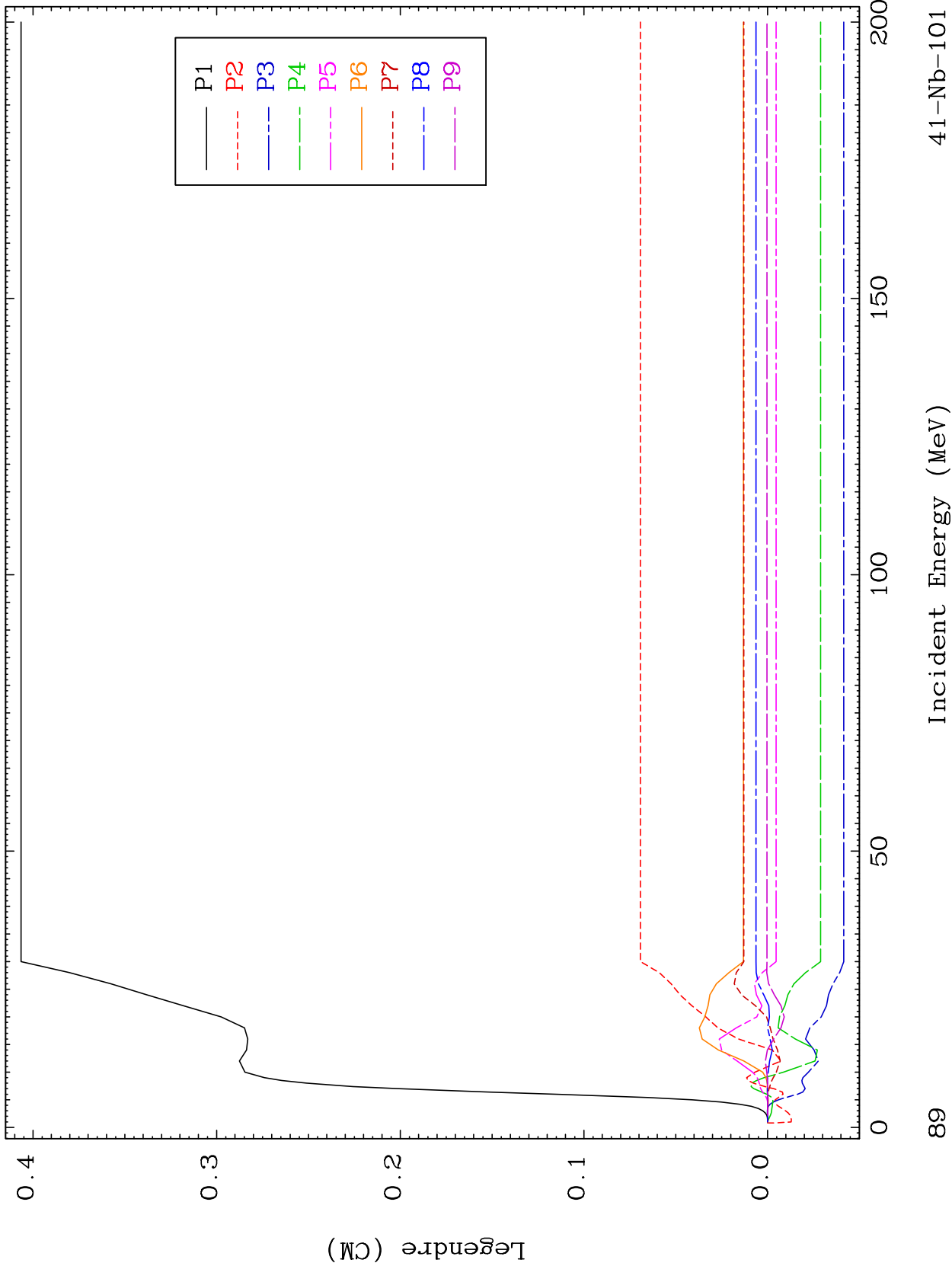
Incident Energy (MeV)

41-Nb-101

MAT 4149

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

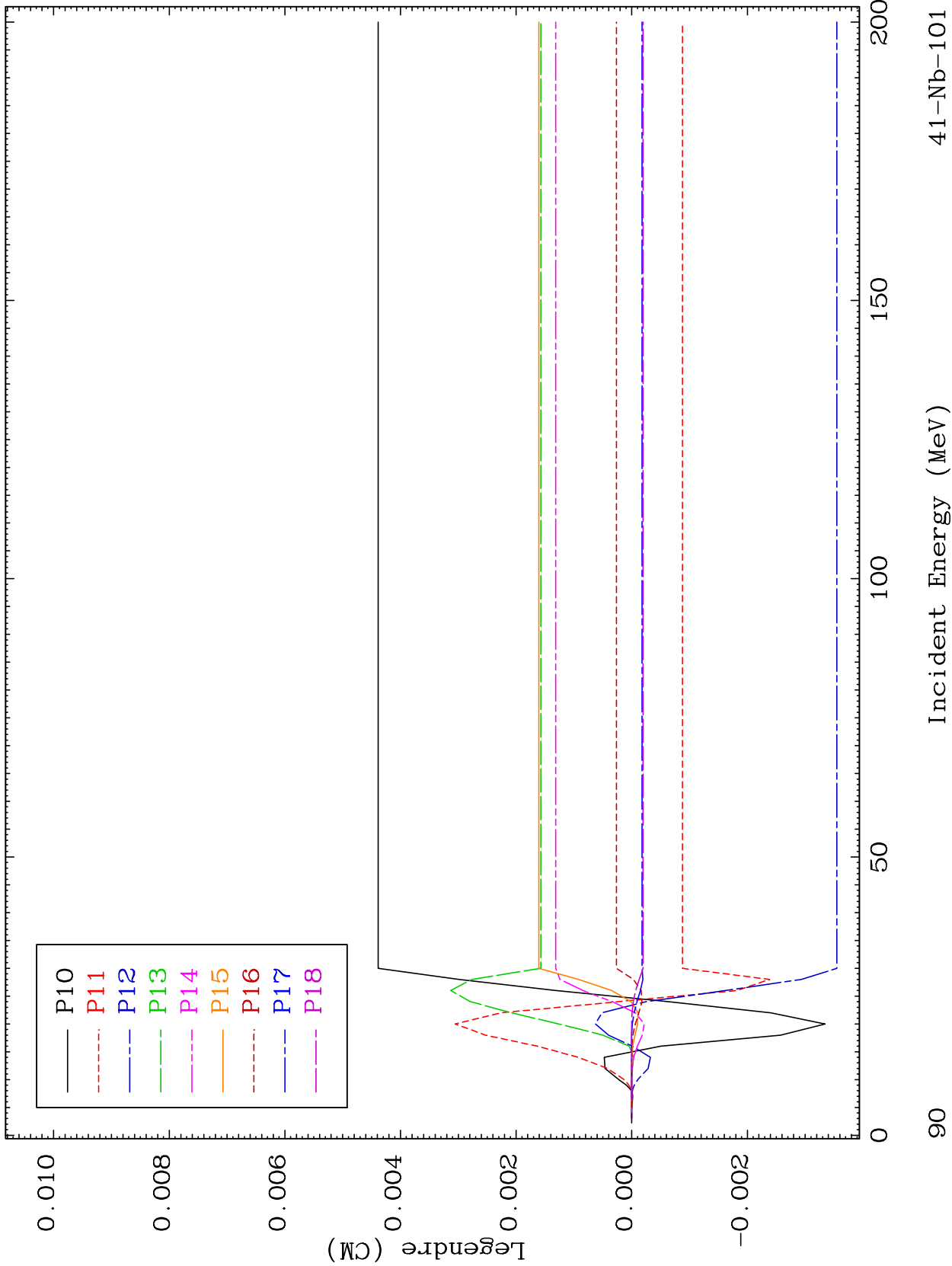
41-Nb-101



MAT 4149

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

41-Nb-101



90

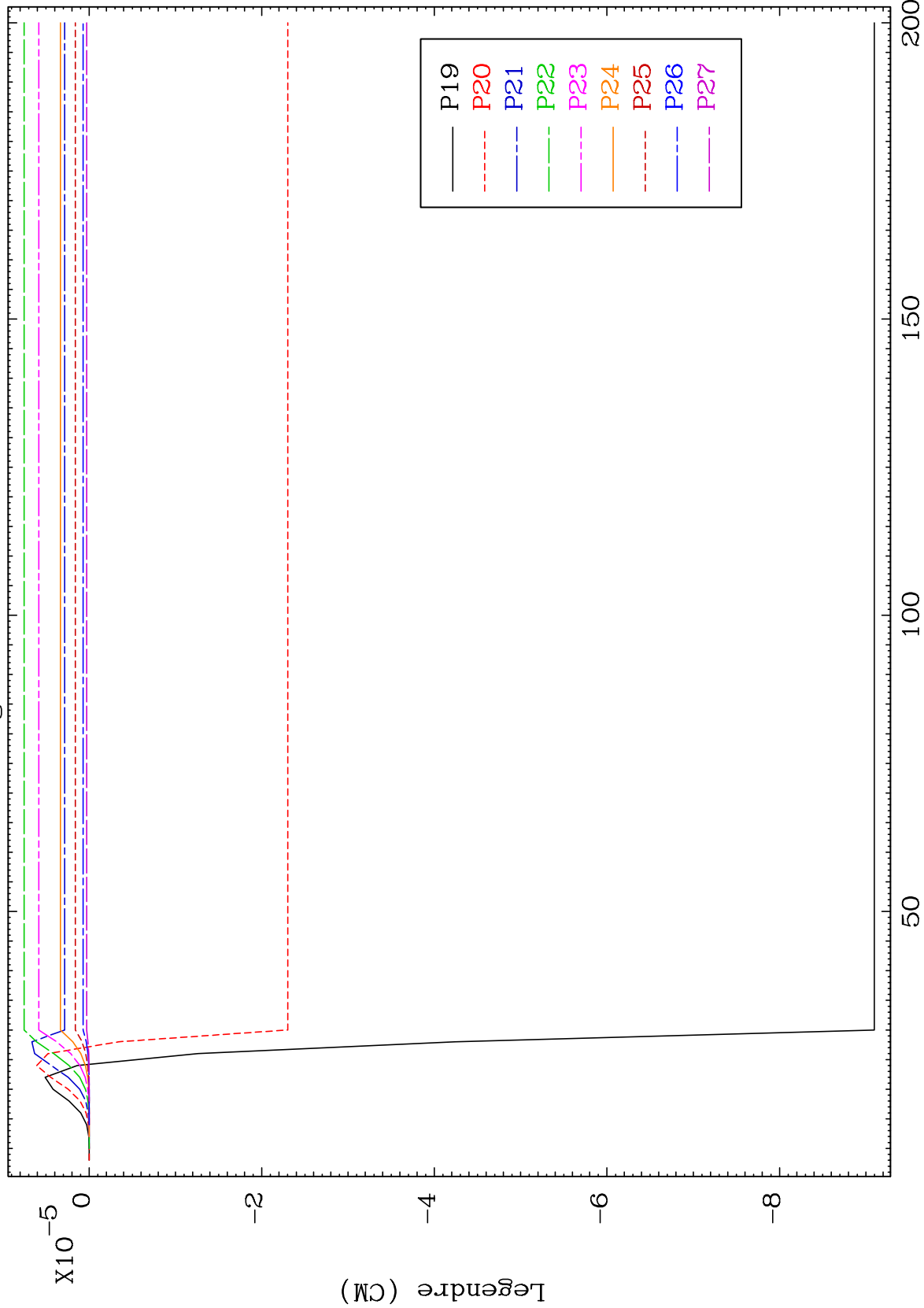
Incident Energy (MeV)

41-Nb-101

MAT 4149

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

41-Nb-101



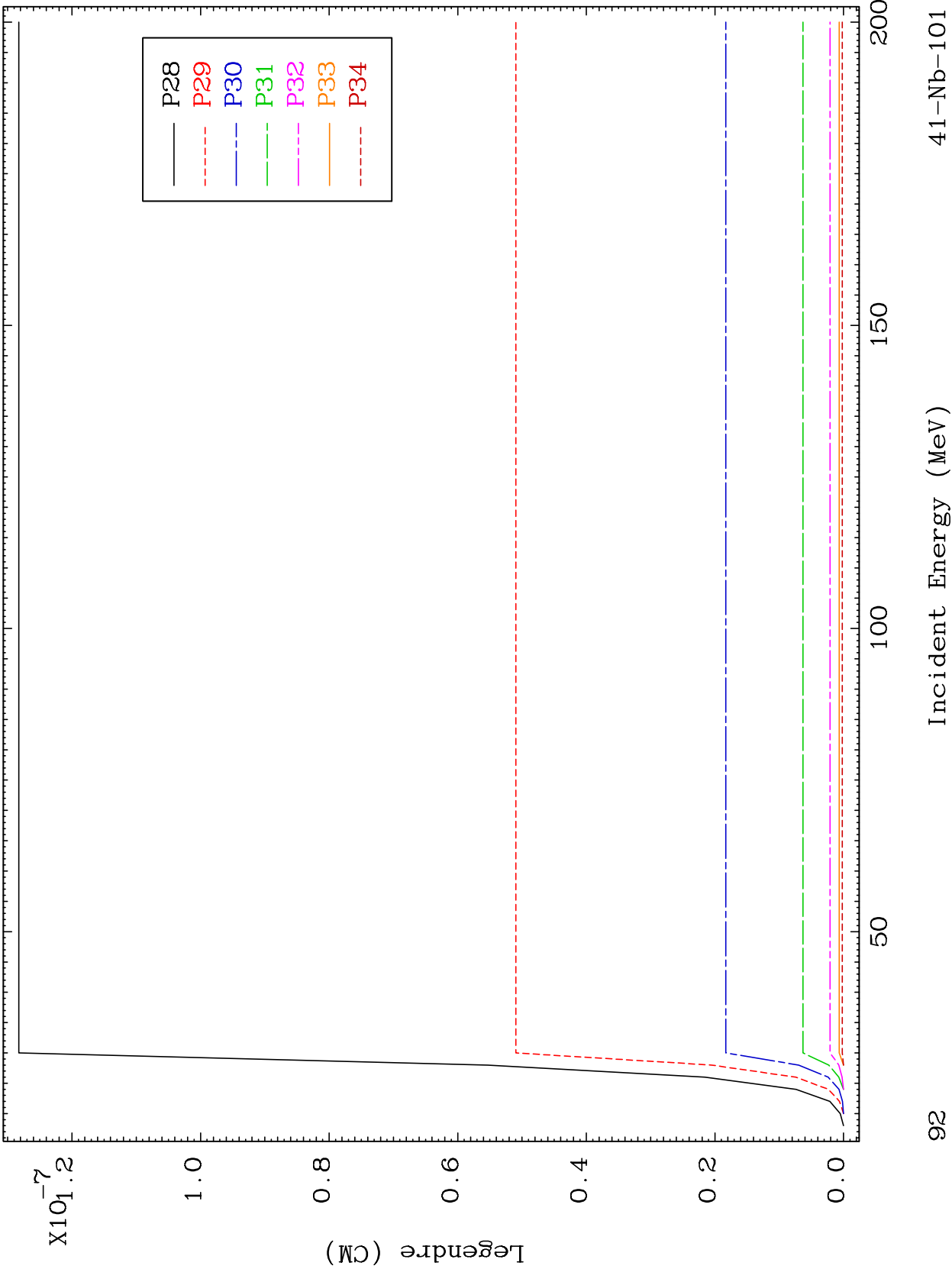
91

41-Nb-101

MAT 4149

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

41-Nb-101

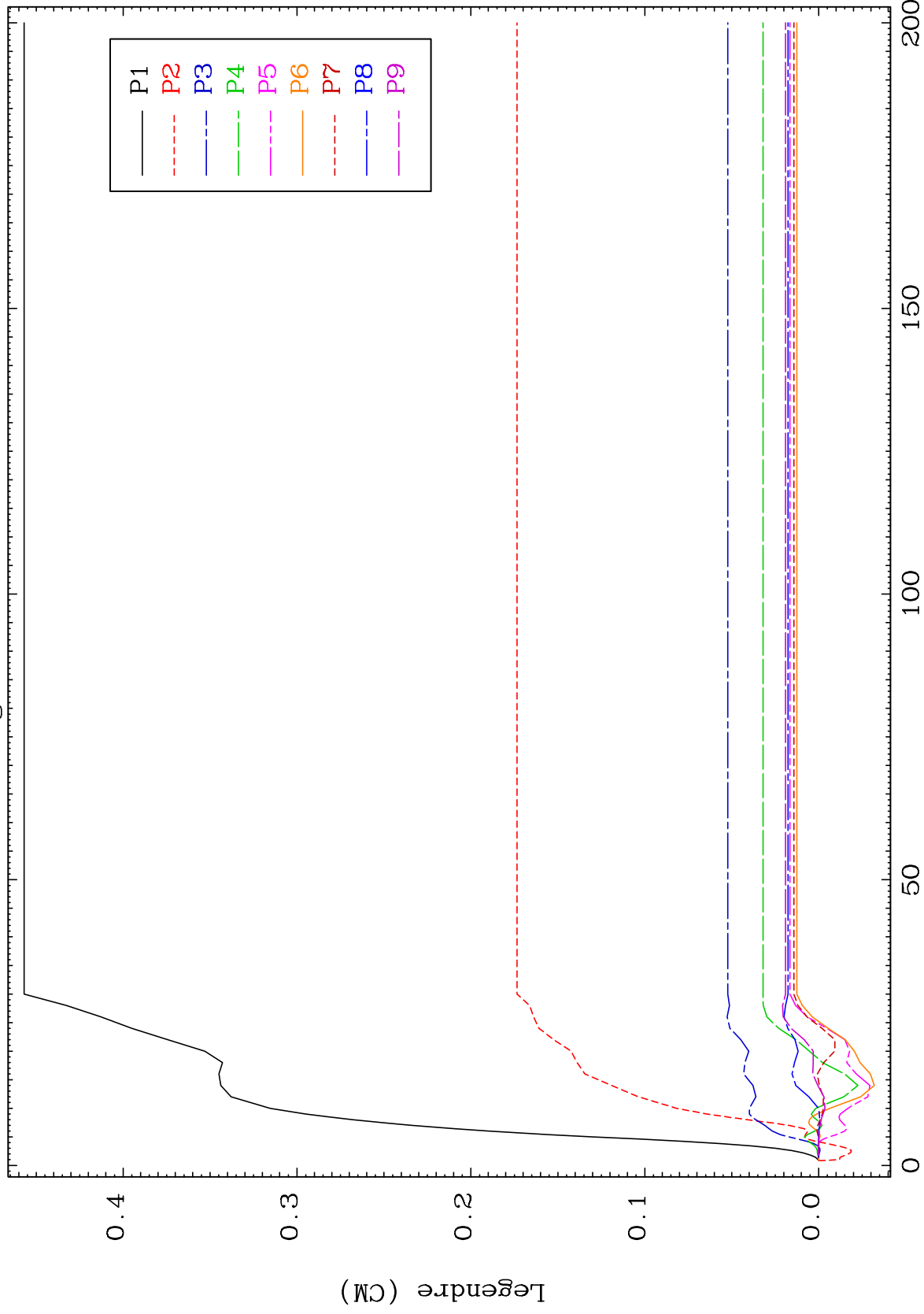


92

MAT 4149

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

41-Nb-101



93

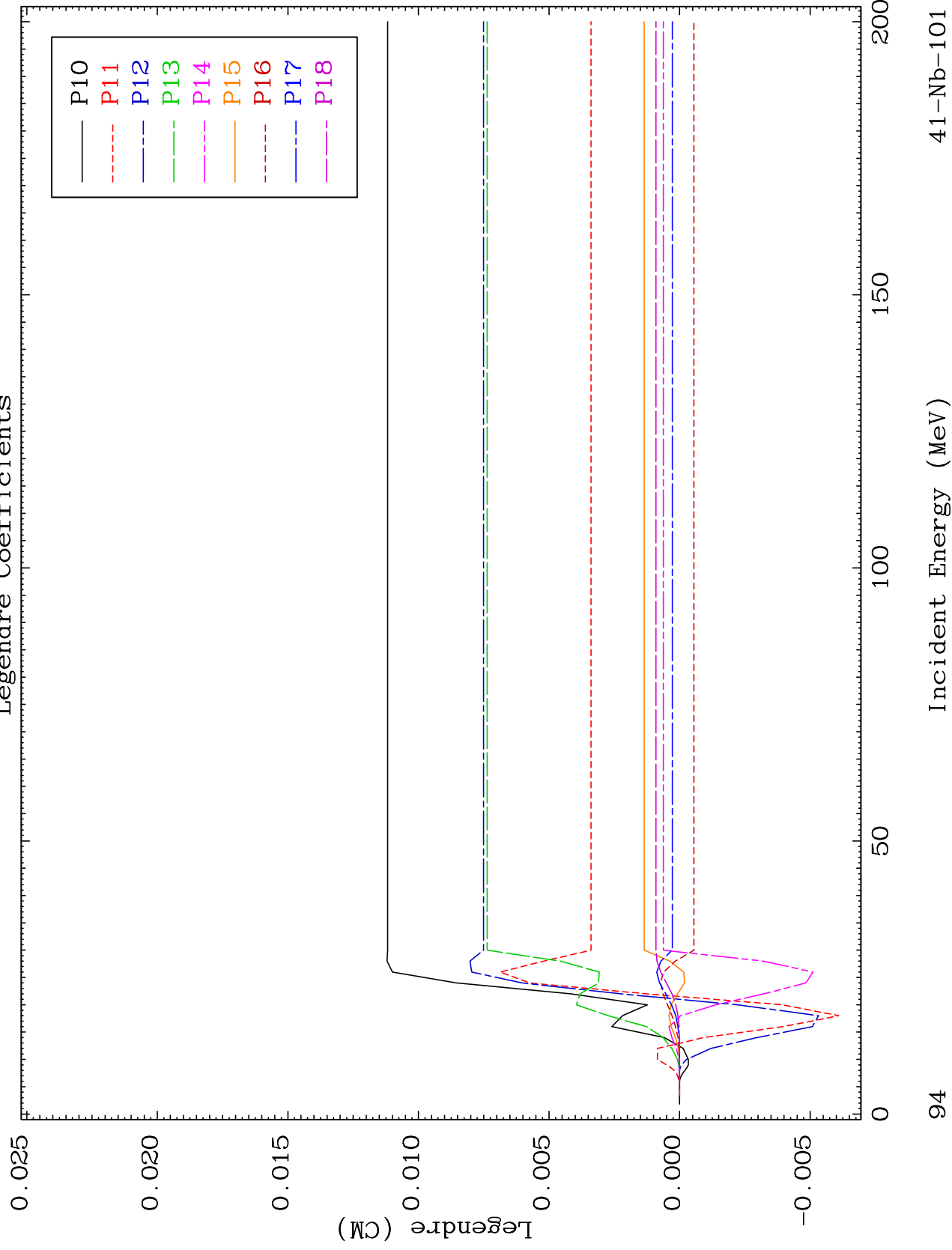
Incident Energy (MeV)

41-Nb-101

MAT 4149

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

41-Nb-101



94

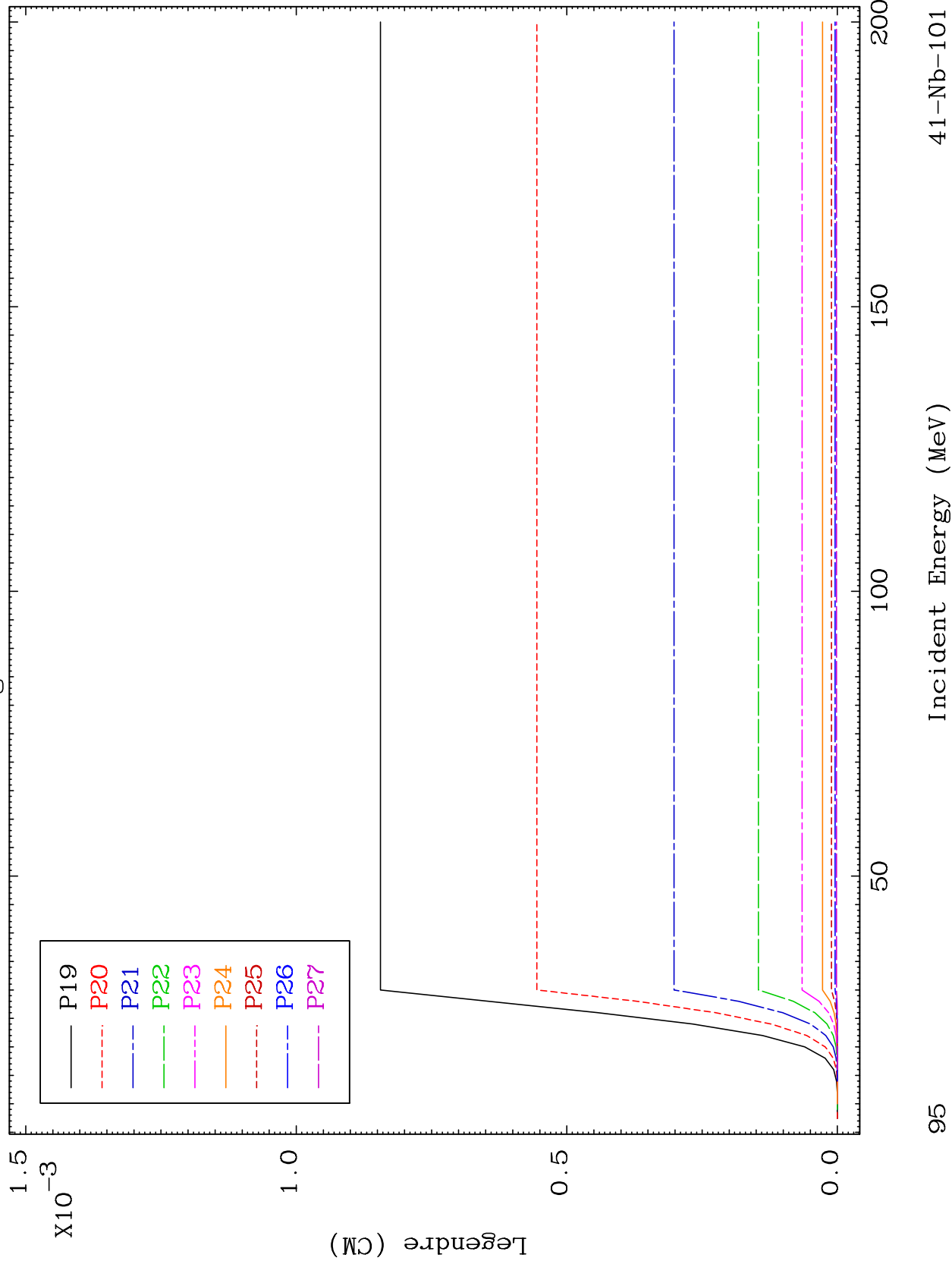
Incident Energy (MeV)

41-Nb-101

MAT 4149

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

41-Nb-101



95

Incident Energy (MeV)

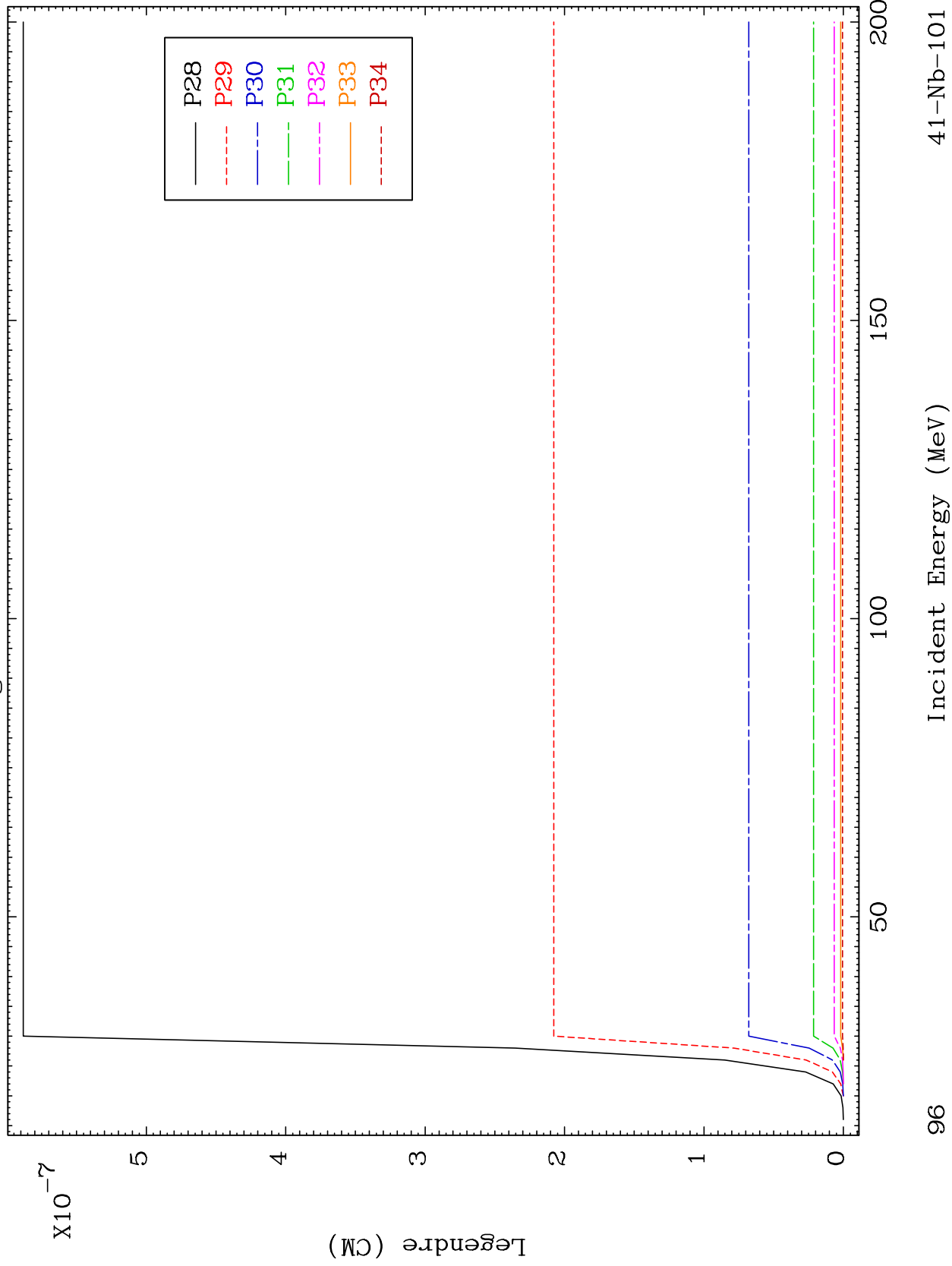
41-Nb-101



MAT 4149

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

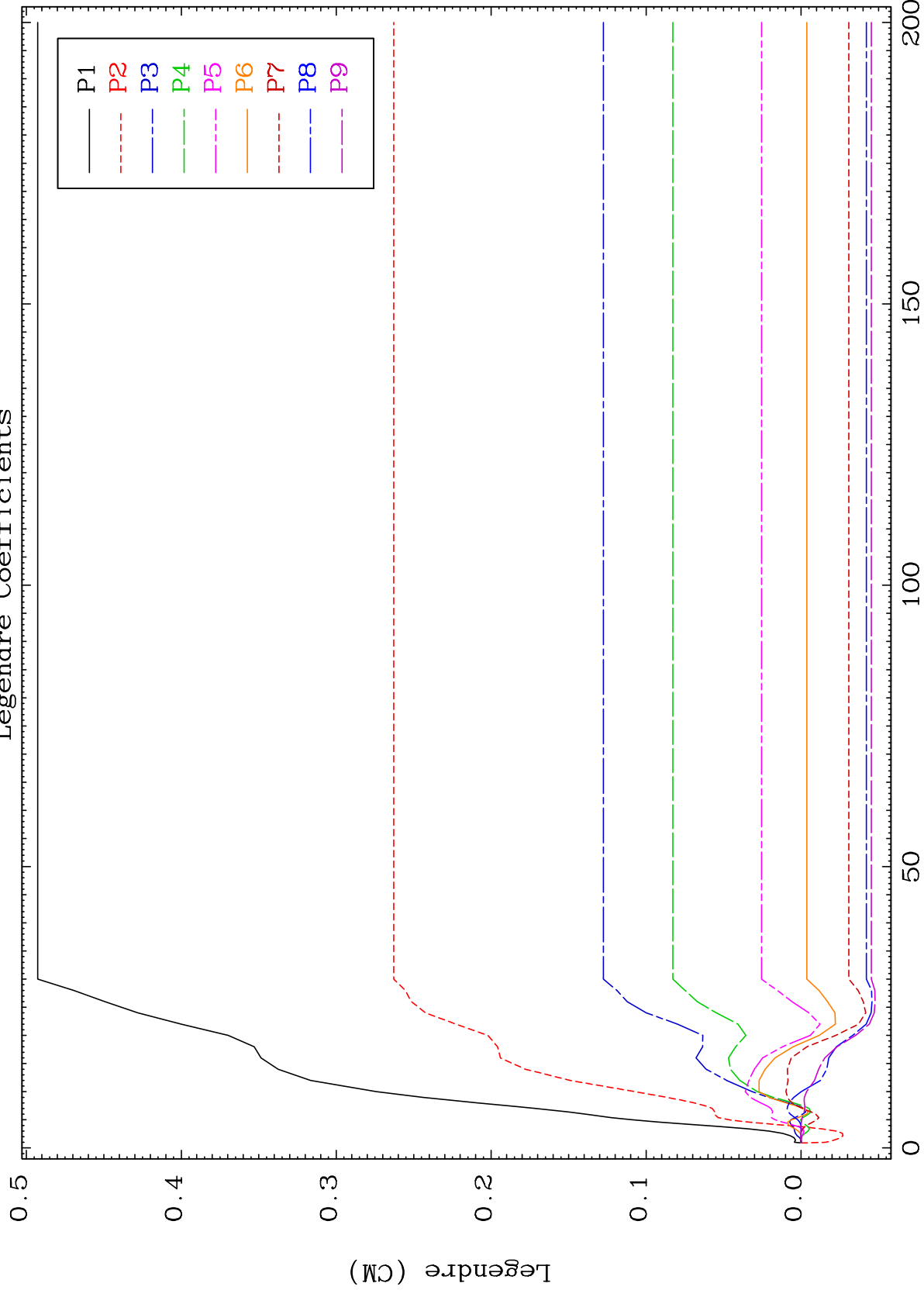
41-Nb-101



MAT 4149

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

41-Nb-101



97

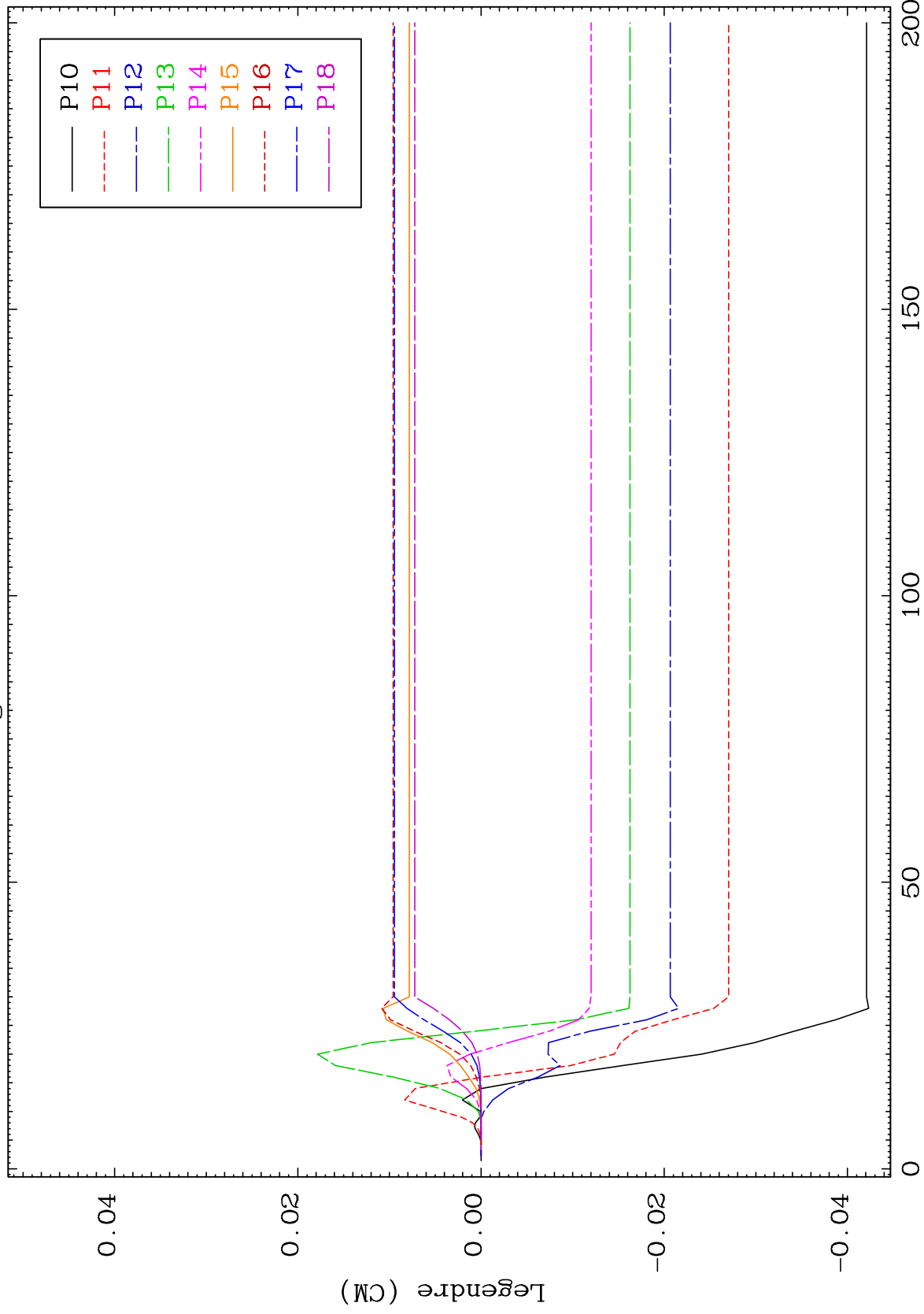
Incident Energy (MeV)

41-Nb-101

MAT 4149

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

41-Nb-101



98

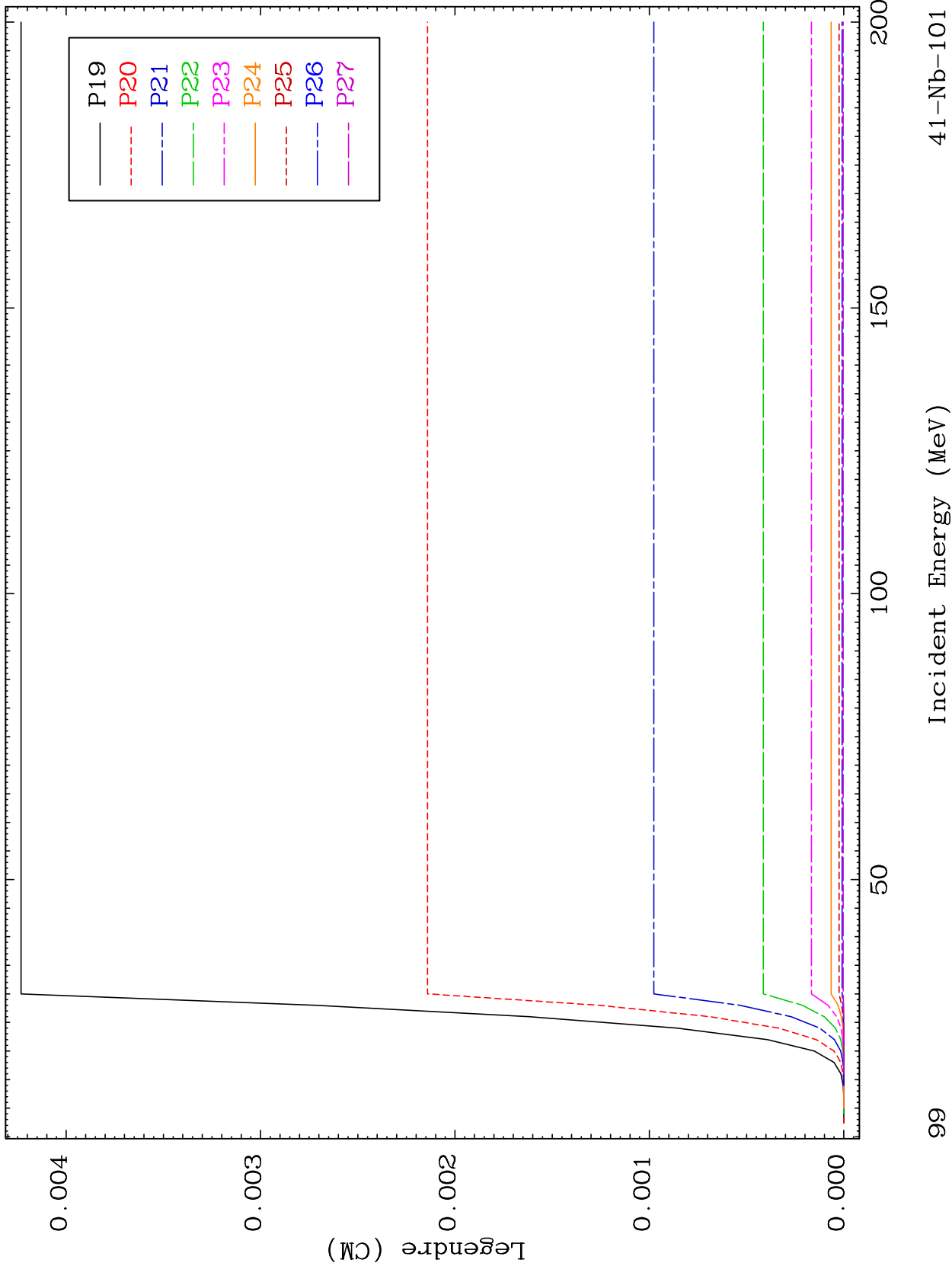
Incident Energy (MeV)

41-Nb-101

MAT 4149

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

41-Nb-101



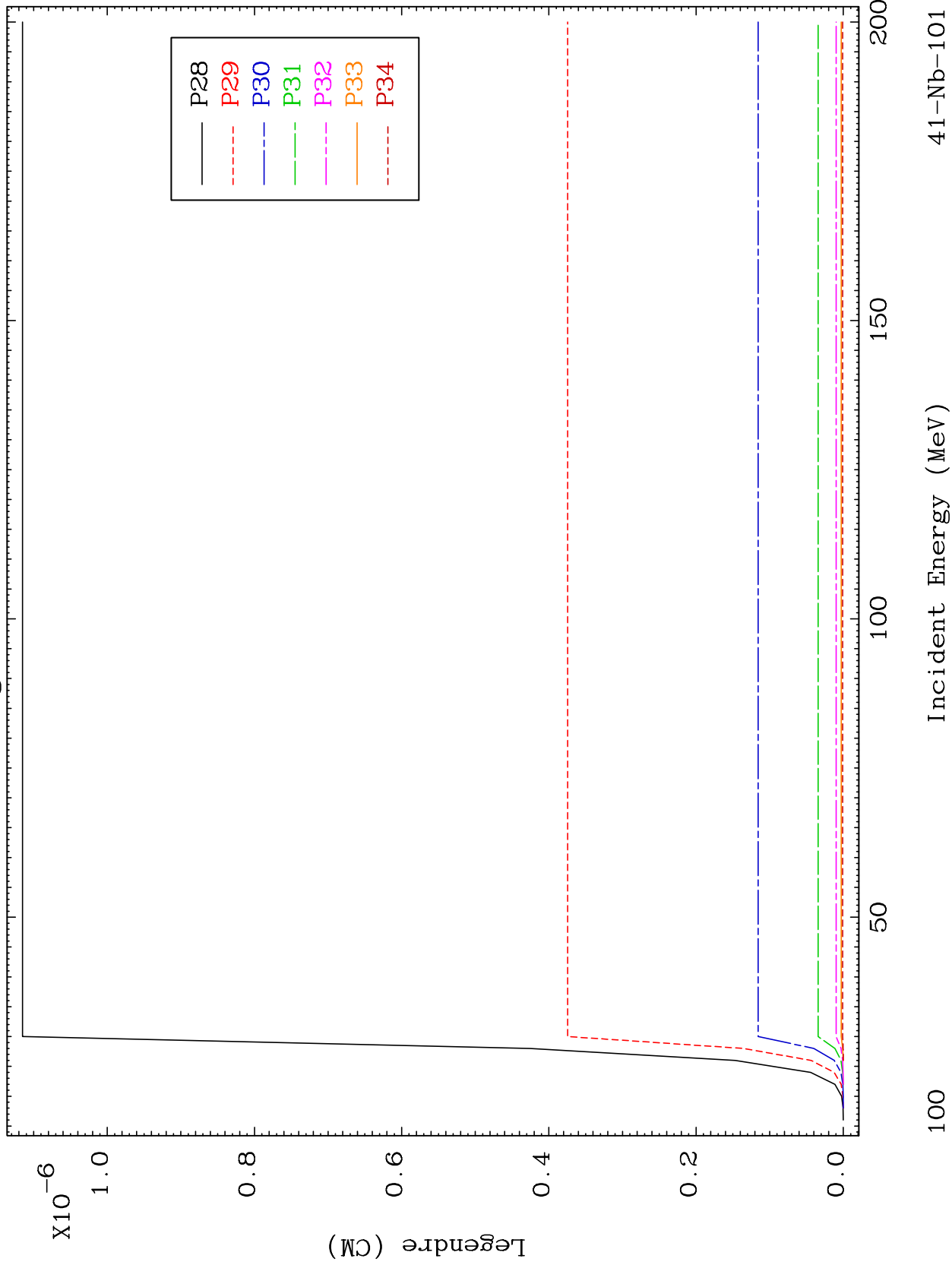
99

41-Nb-101

MAT 4149

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

41-Nb-101

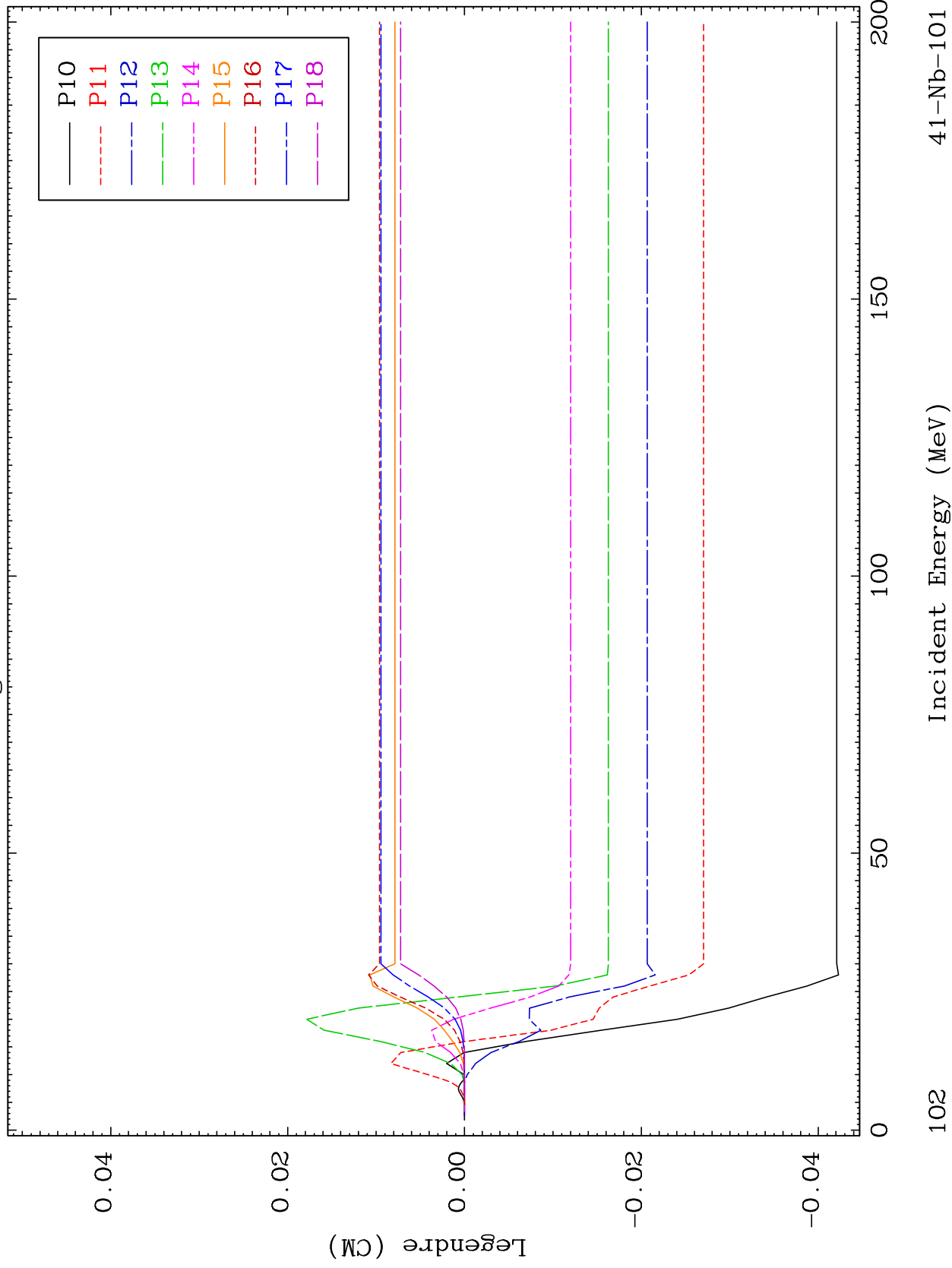




MAT 4149

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

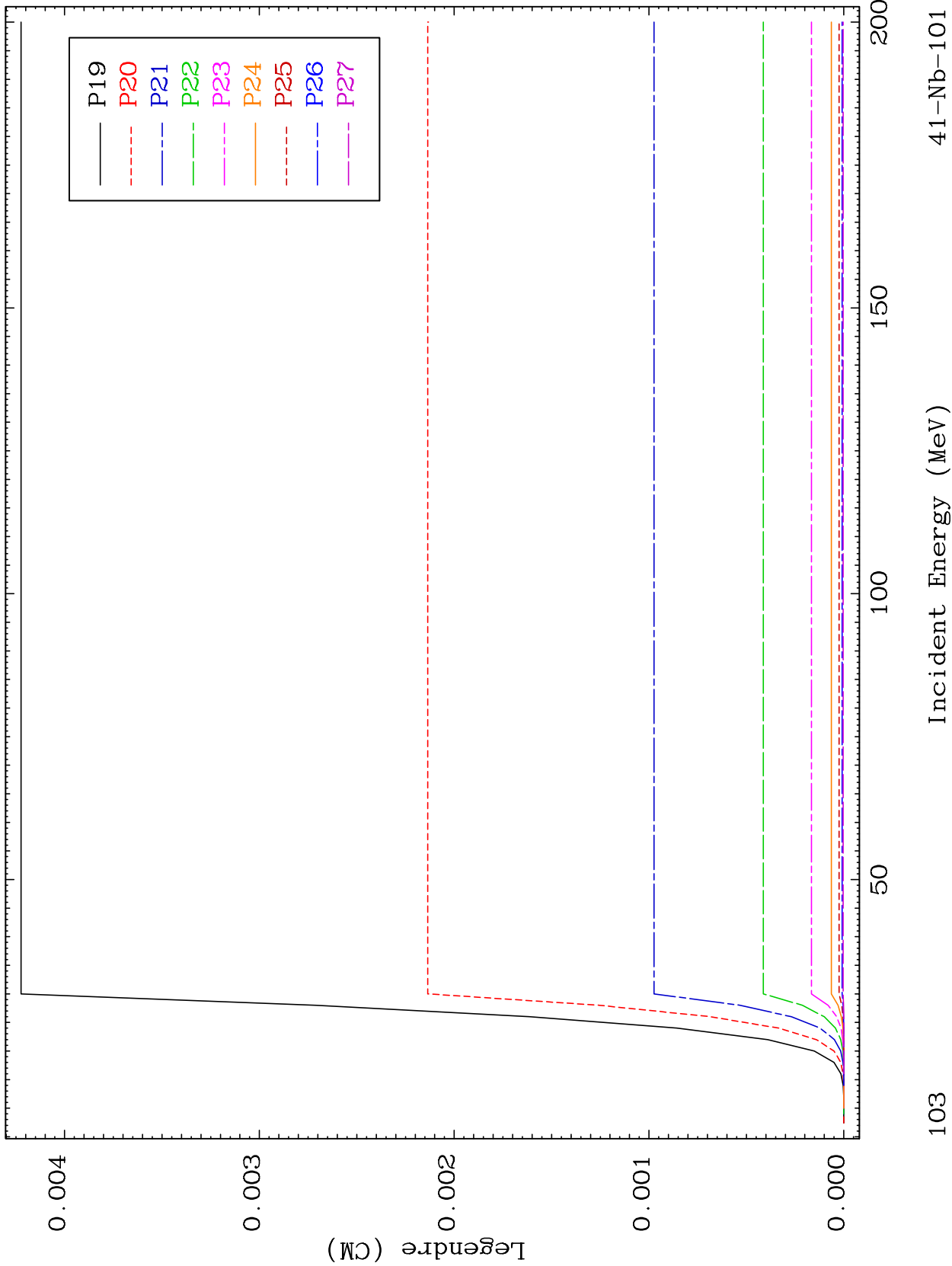
41-Nb-101



MAT 4149

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

41-Nb-101



103

Incident Energy (MeV)

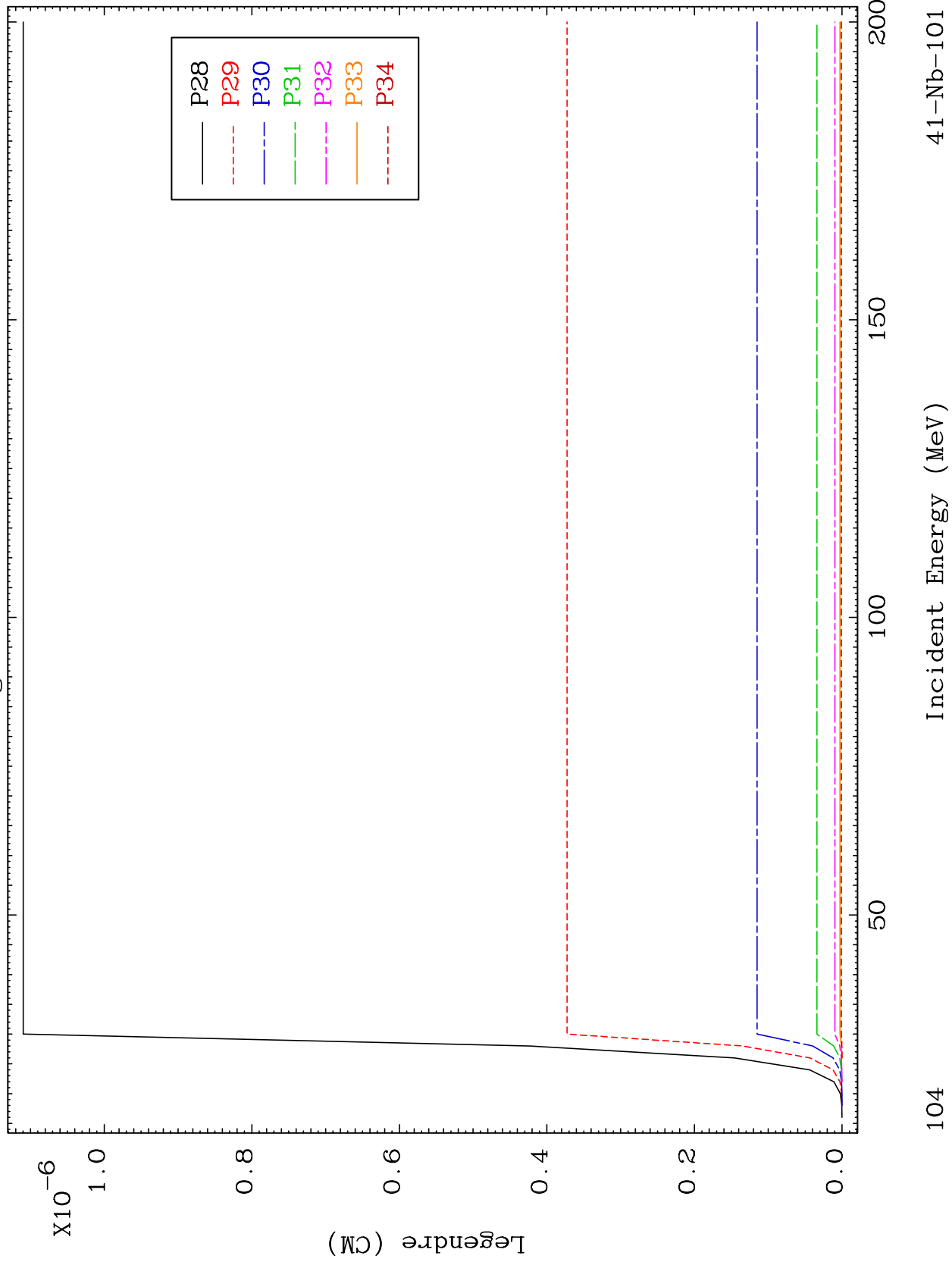
41-Nb-101



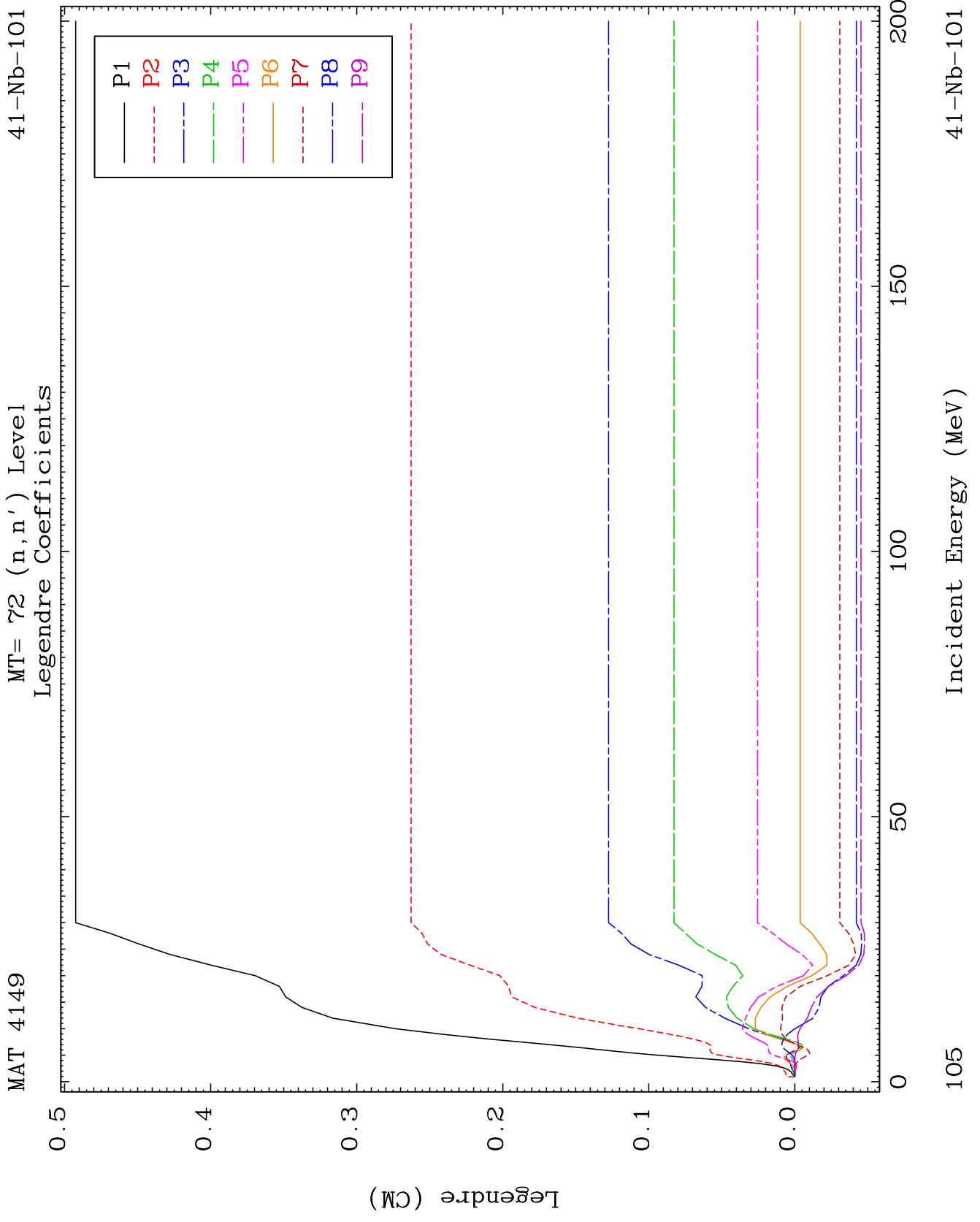
MAT 4149

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

41-Nb-101



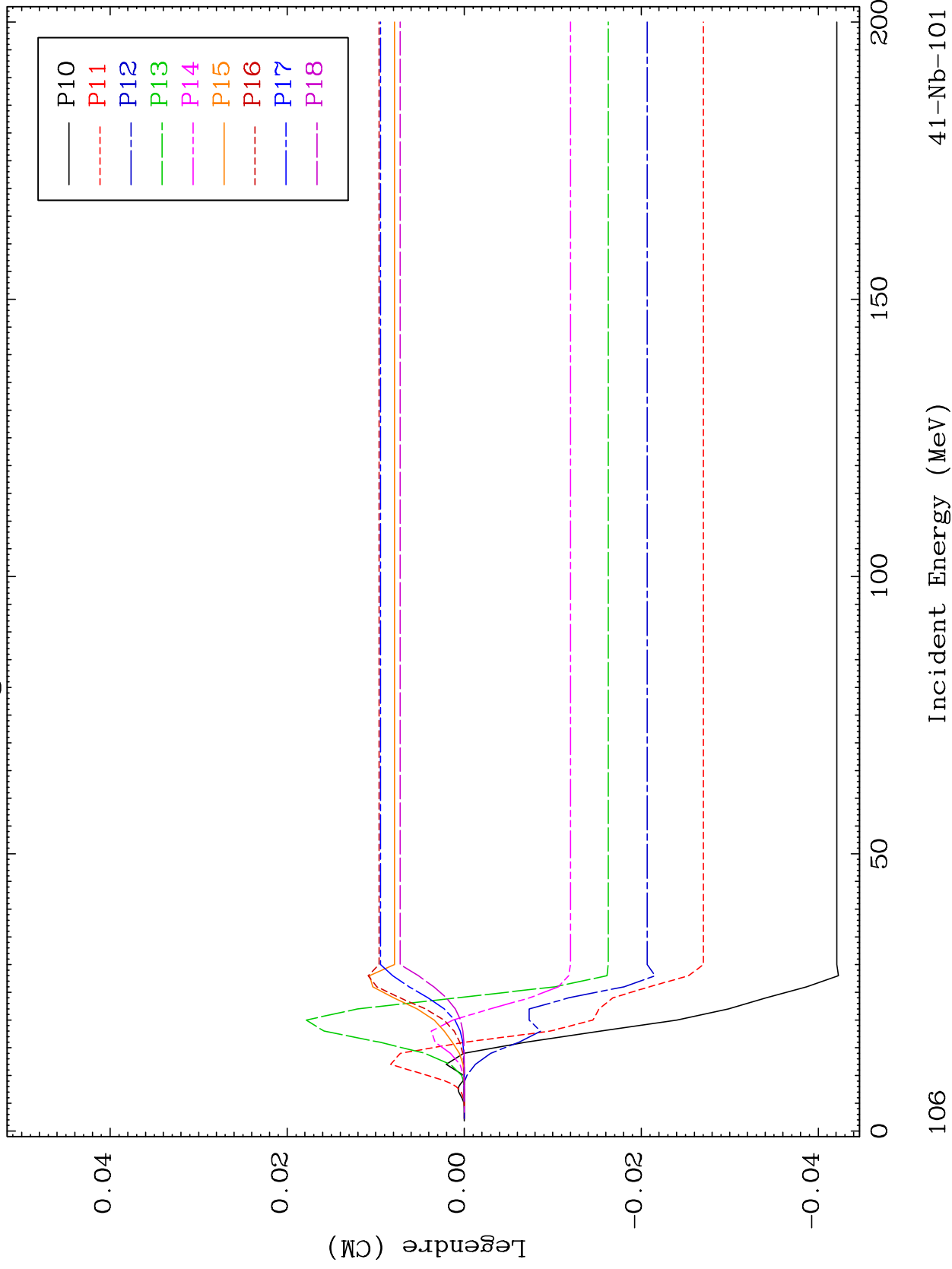
104



MAT 4149

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

41-Nb-101



41-Nb-101

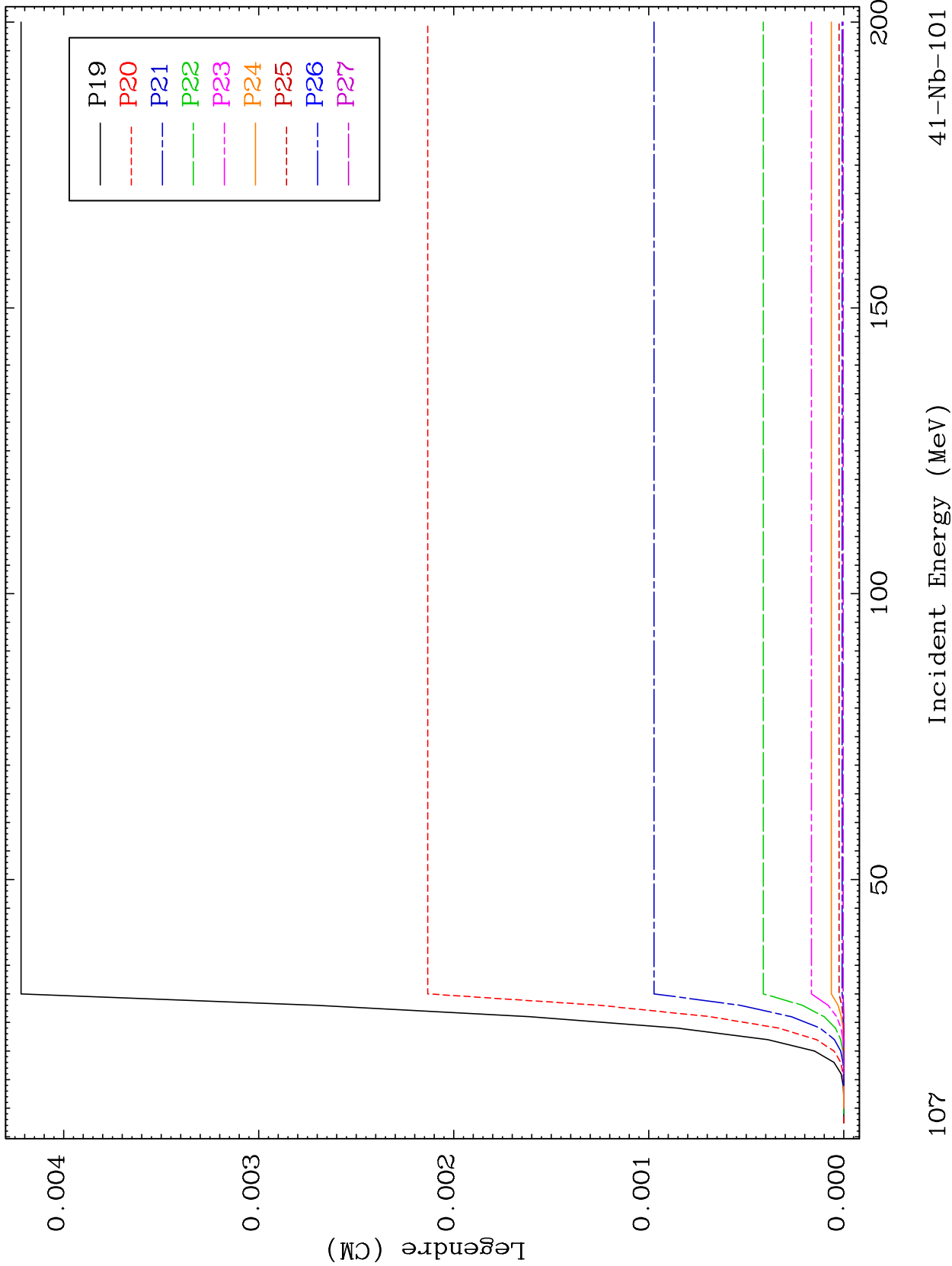
Incident Energy (MeV)

106

MAT 4149

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

41-Nb-101



107

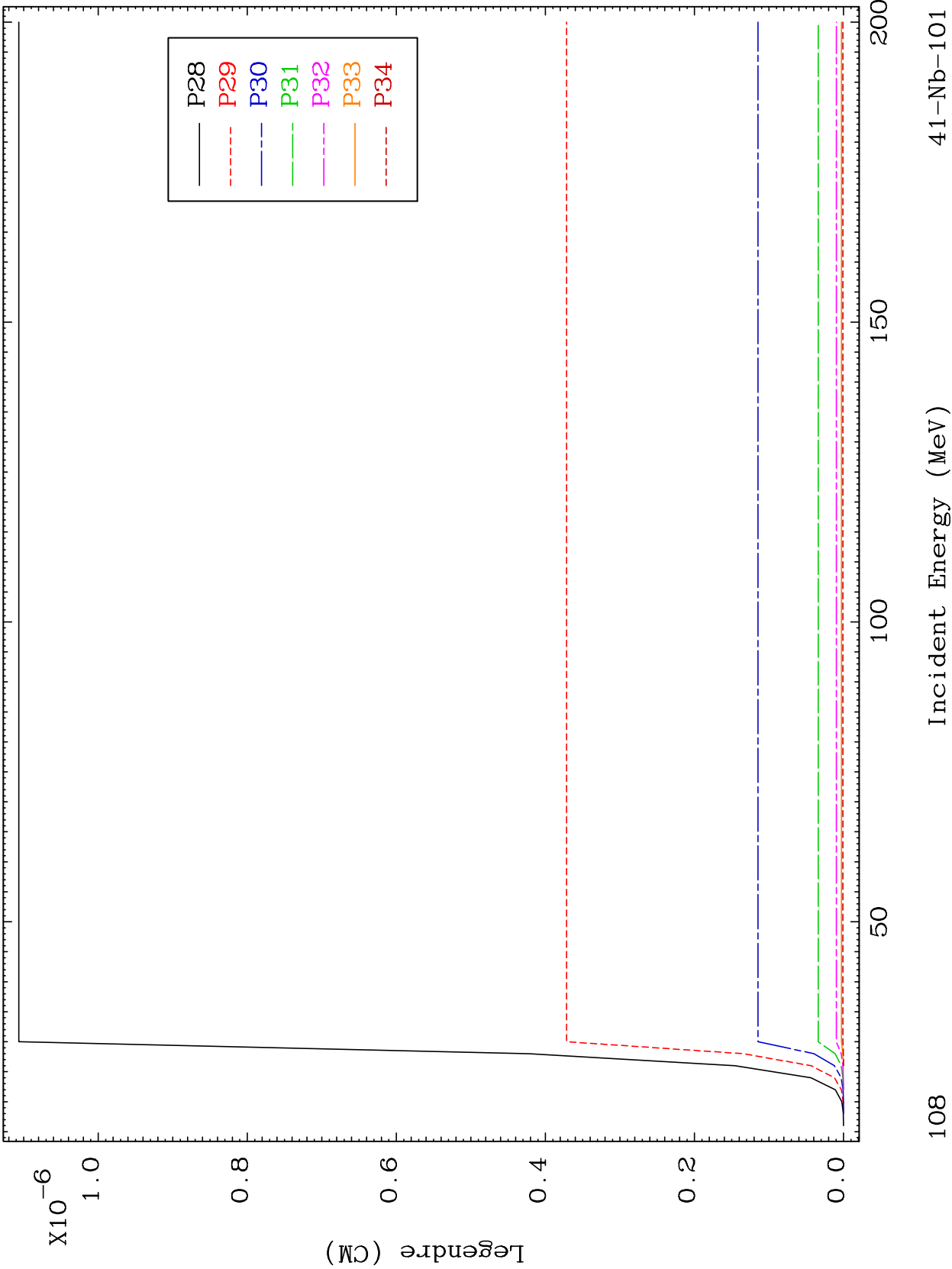
Incident Energy (MeV)

41-Nb-101

MAT 4149

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

41-Nb-101



108

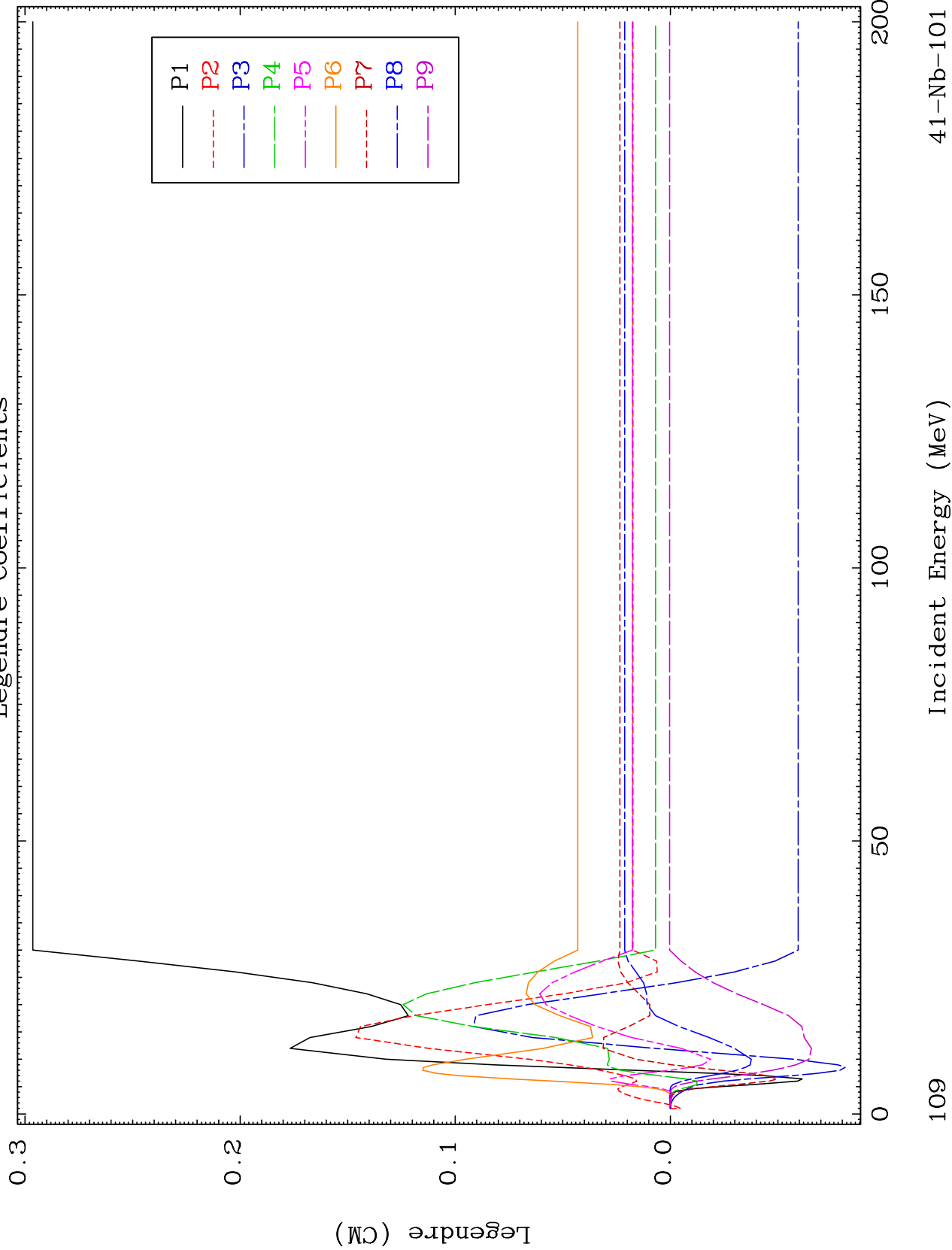
Incident Energy (MeV)

41-Nb-101

MAT 4149

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

41-Nb-101



41-Nb-101

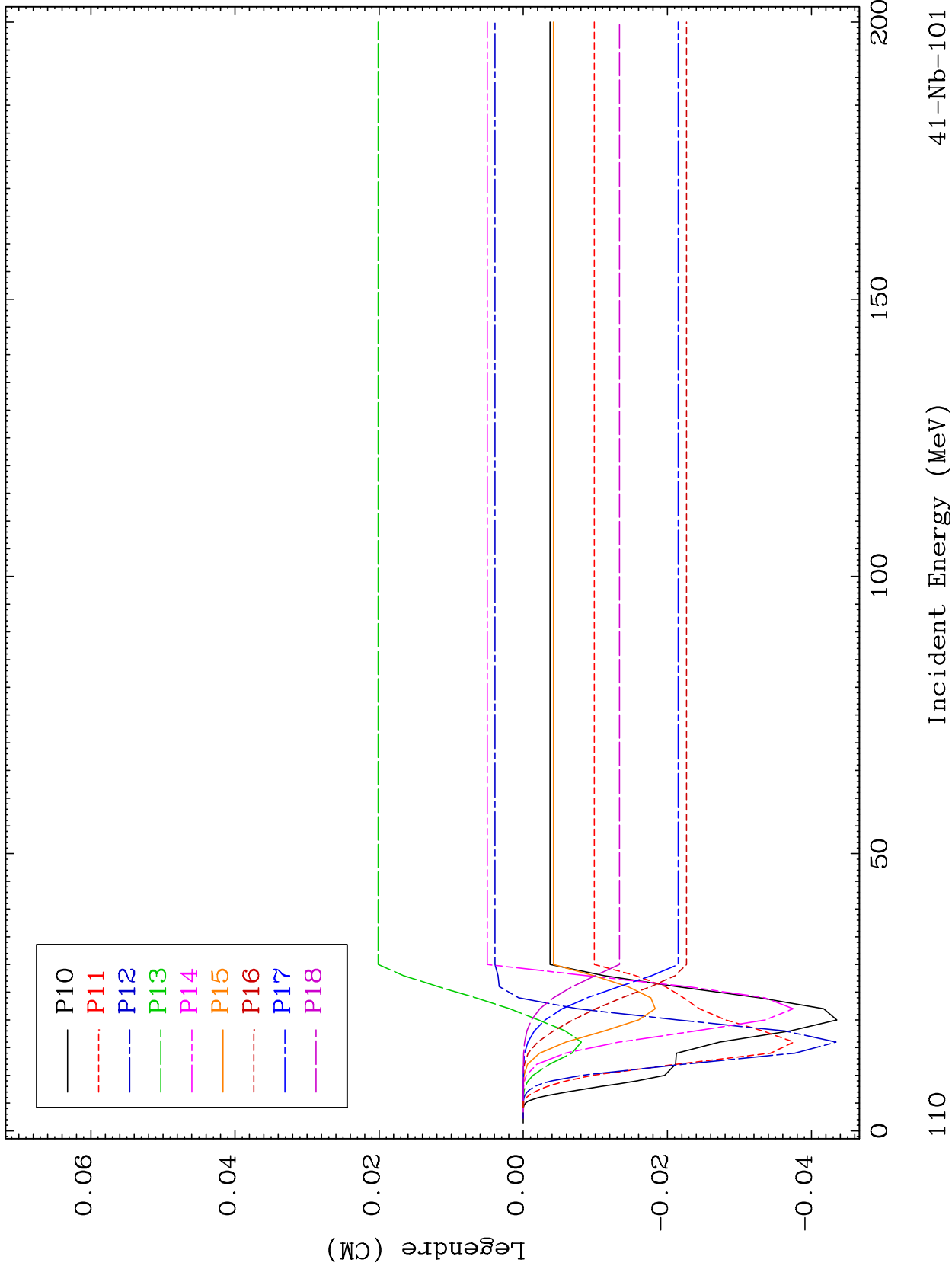
Incident Energy (MeV)

109

MAT 4149

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

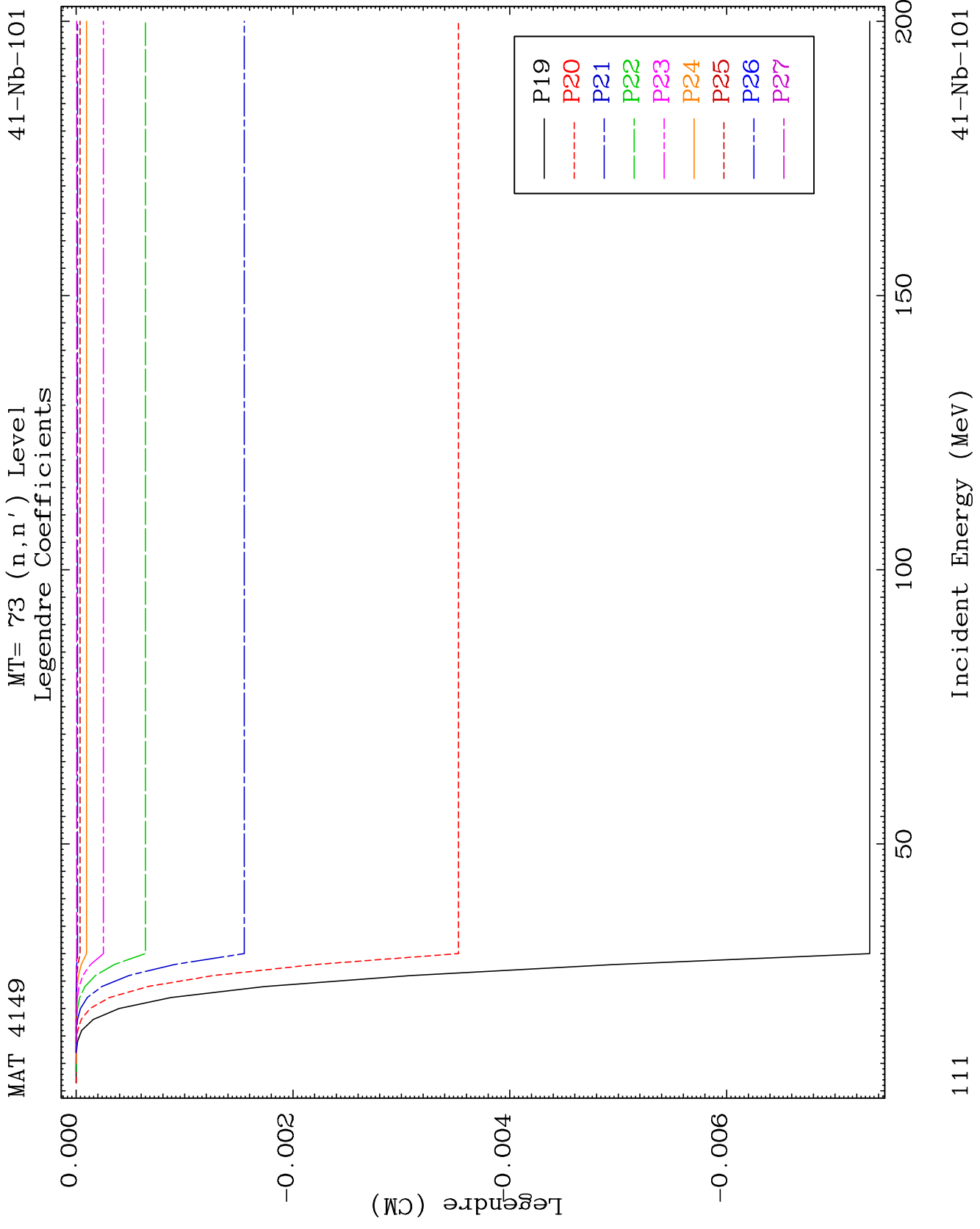
41-Nb-101



41-Nb-101

Incident Energy (MeV)

110

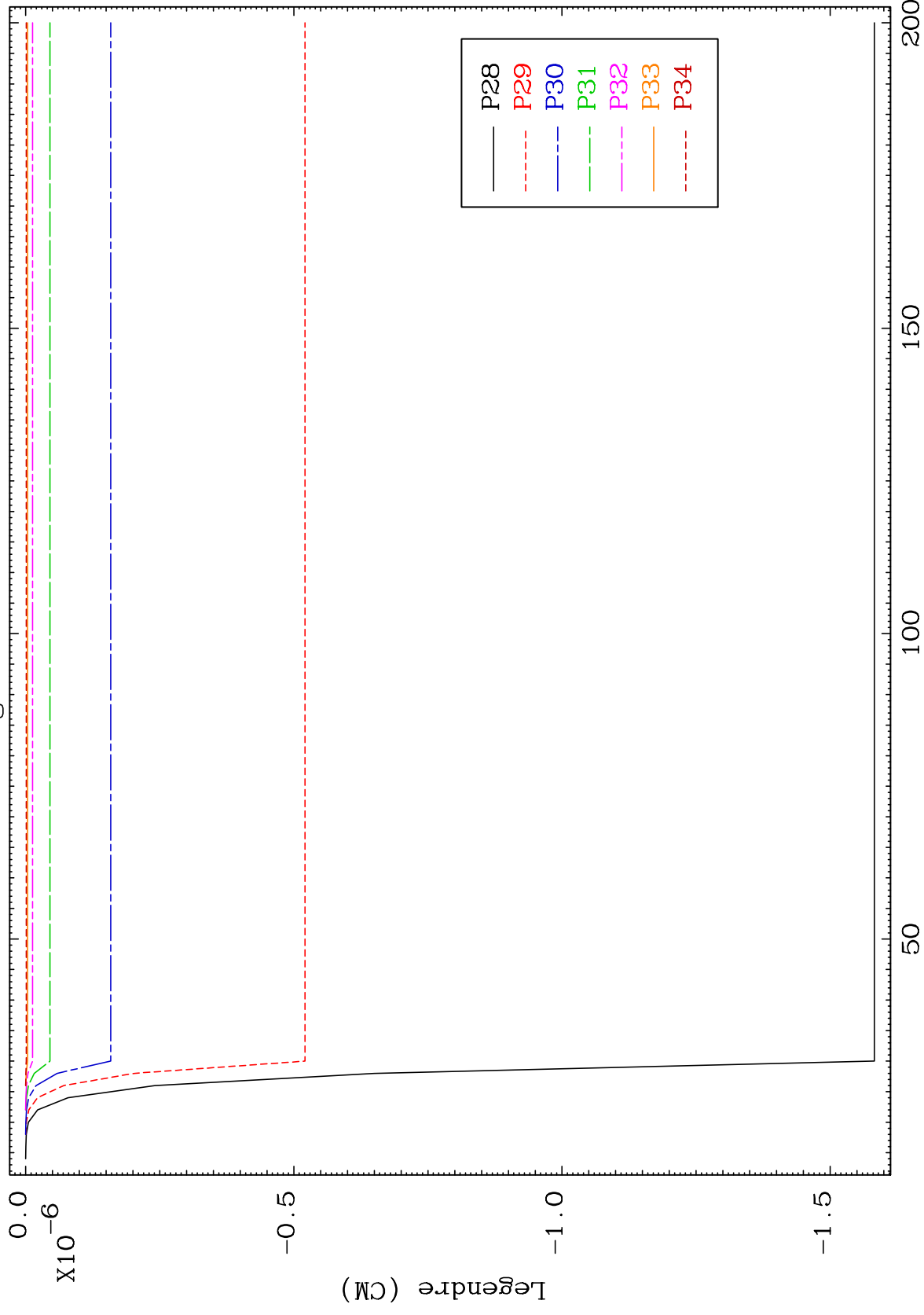




MAT 4149

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

41-Nb-101



112

Incident Energy (MeV)

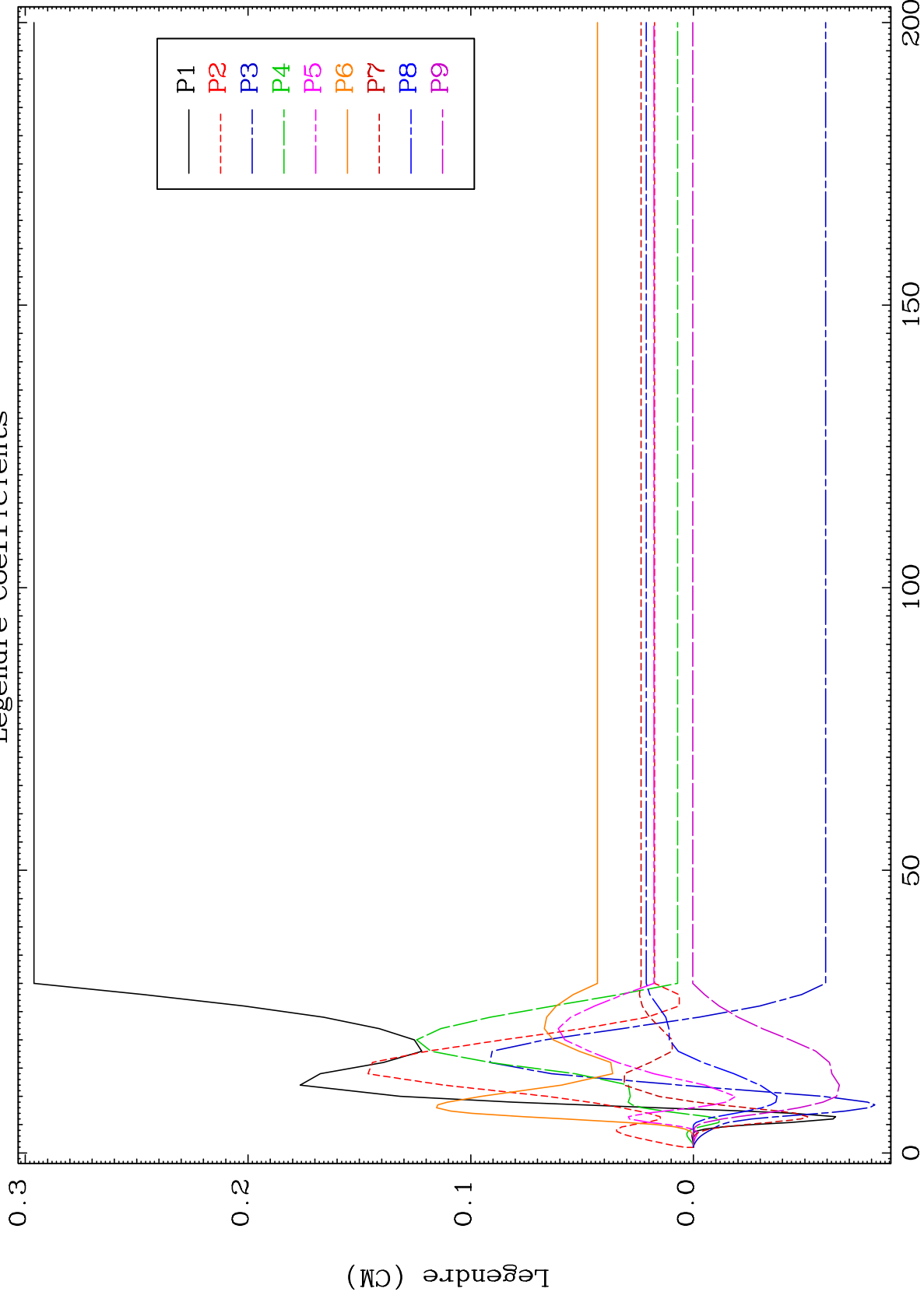
41-Nb-101

MAT 4149

MT= 74 (n,n') Level

41-Nb-101

Legendre Coefficients



113

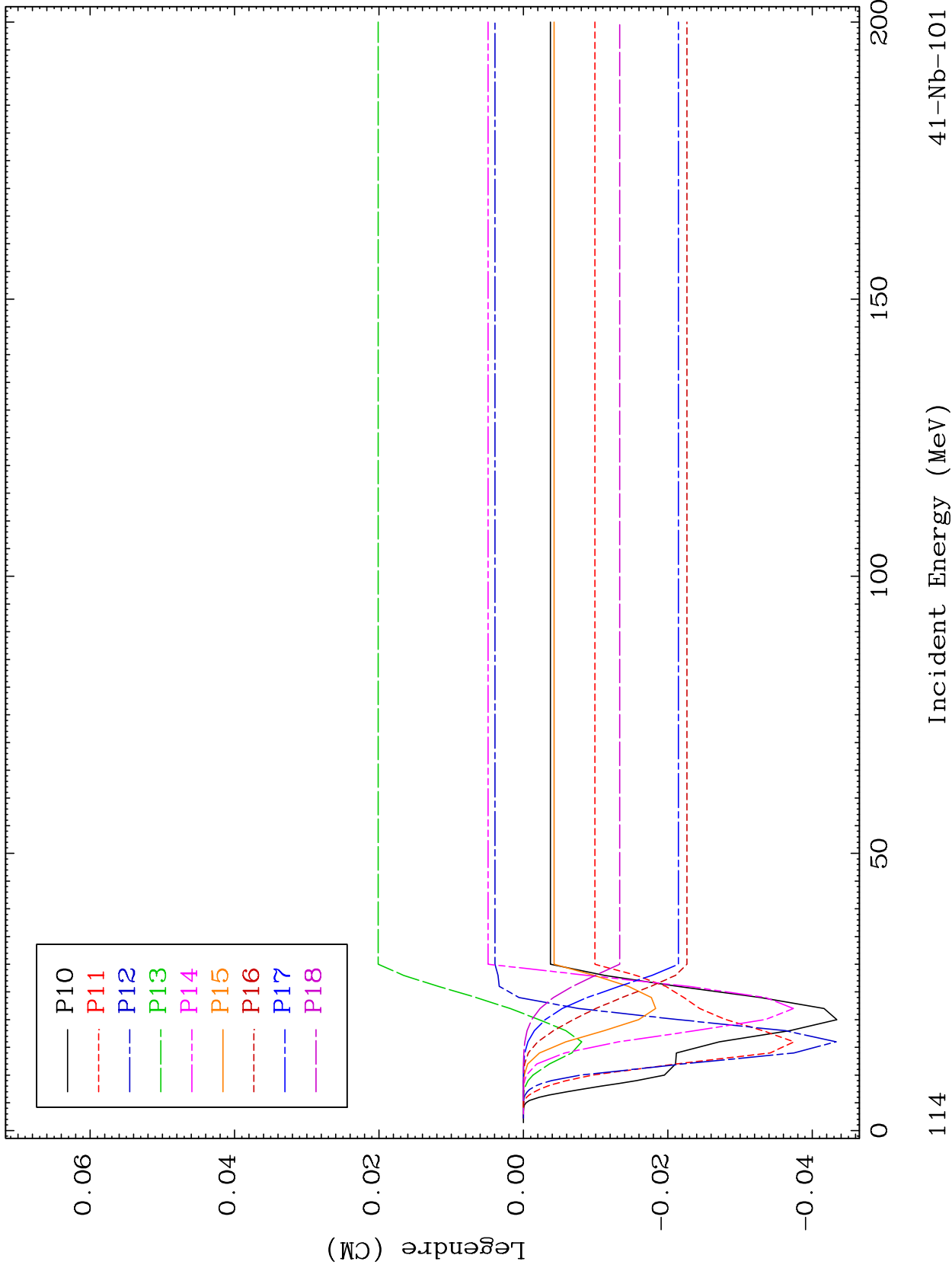
Incident Energy (MeV)

41-Nb-101

MAT 4149

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

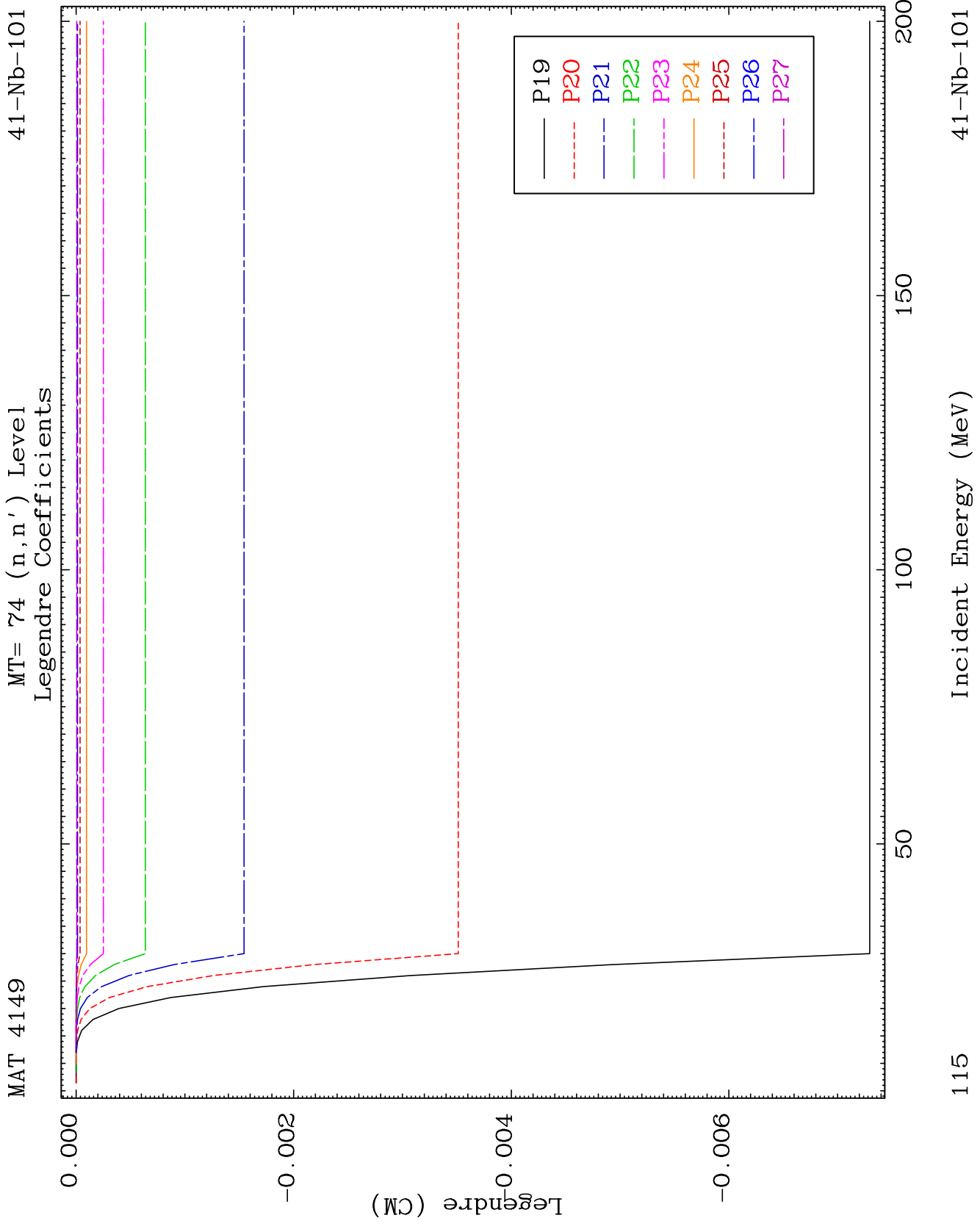
41-Nb-101



114

Incident Energy (MeV)

41-Nb-101

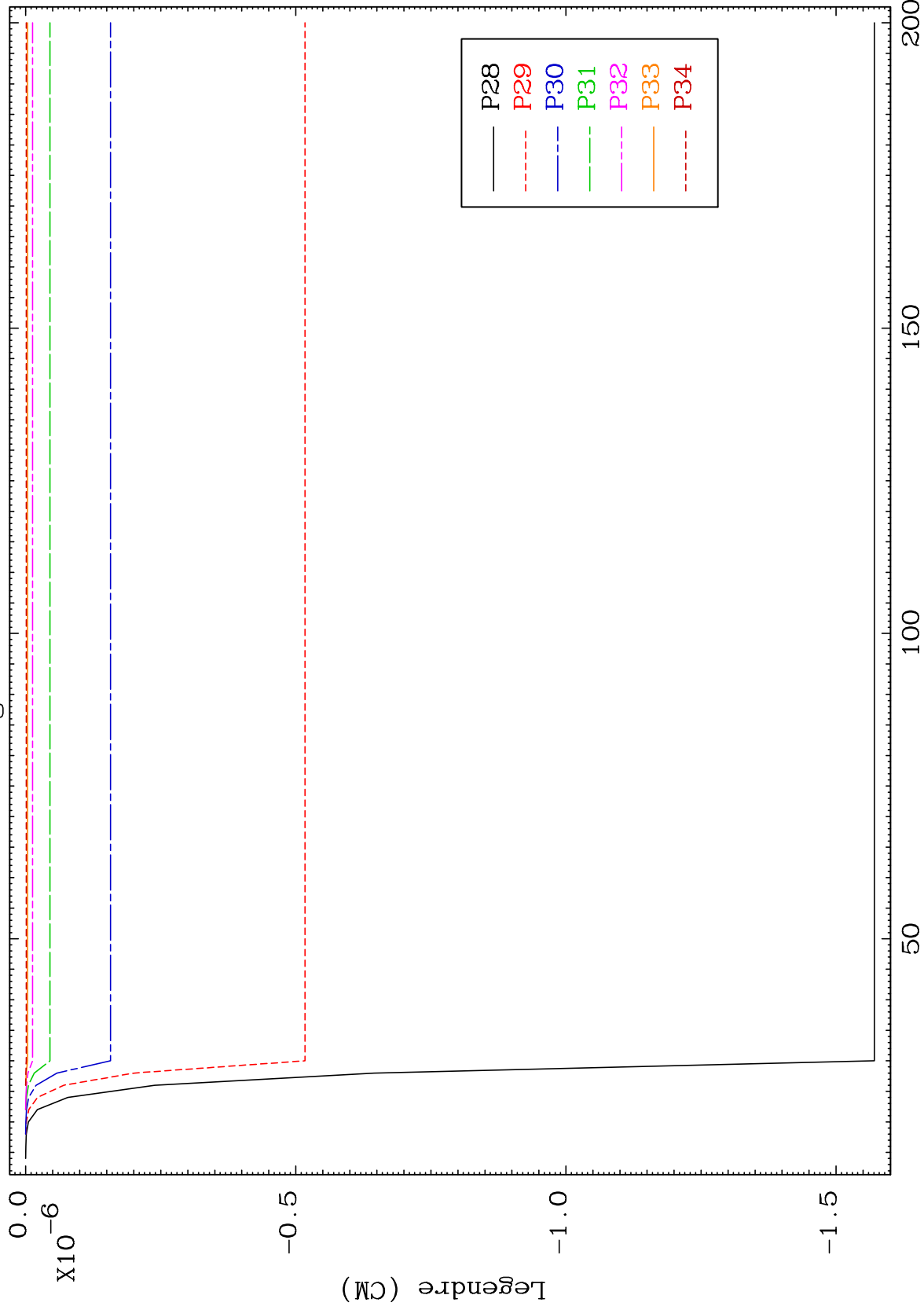


MAT 4149

MT= 74 (n,n') Level

41-Nb-101

Legendre Coefficients



116

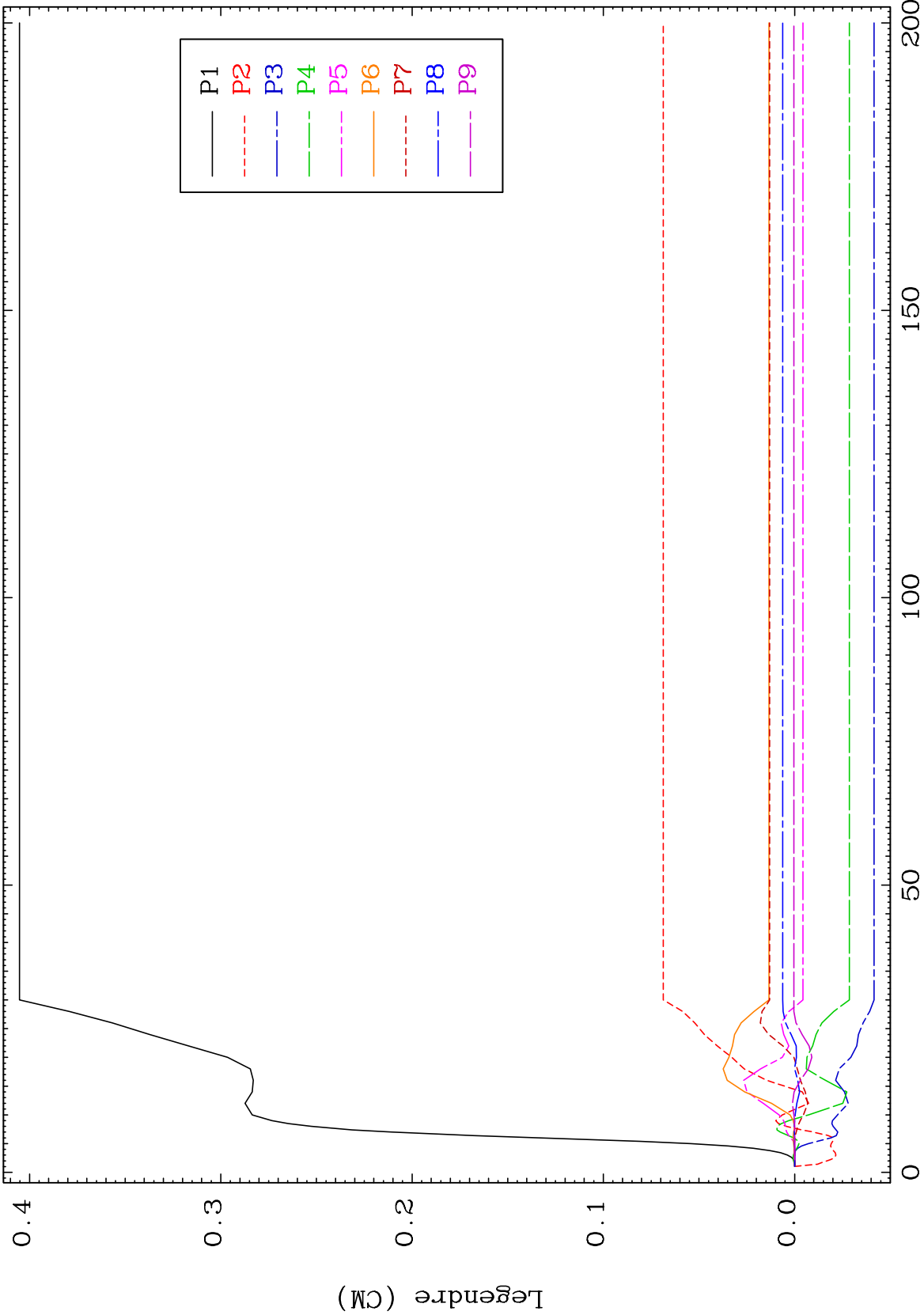
Incident Energy (MeV)

41-Nb-101

MAT 4149

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

41-Nb-101



117

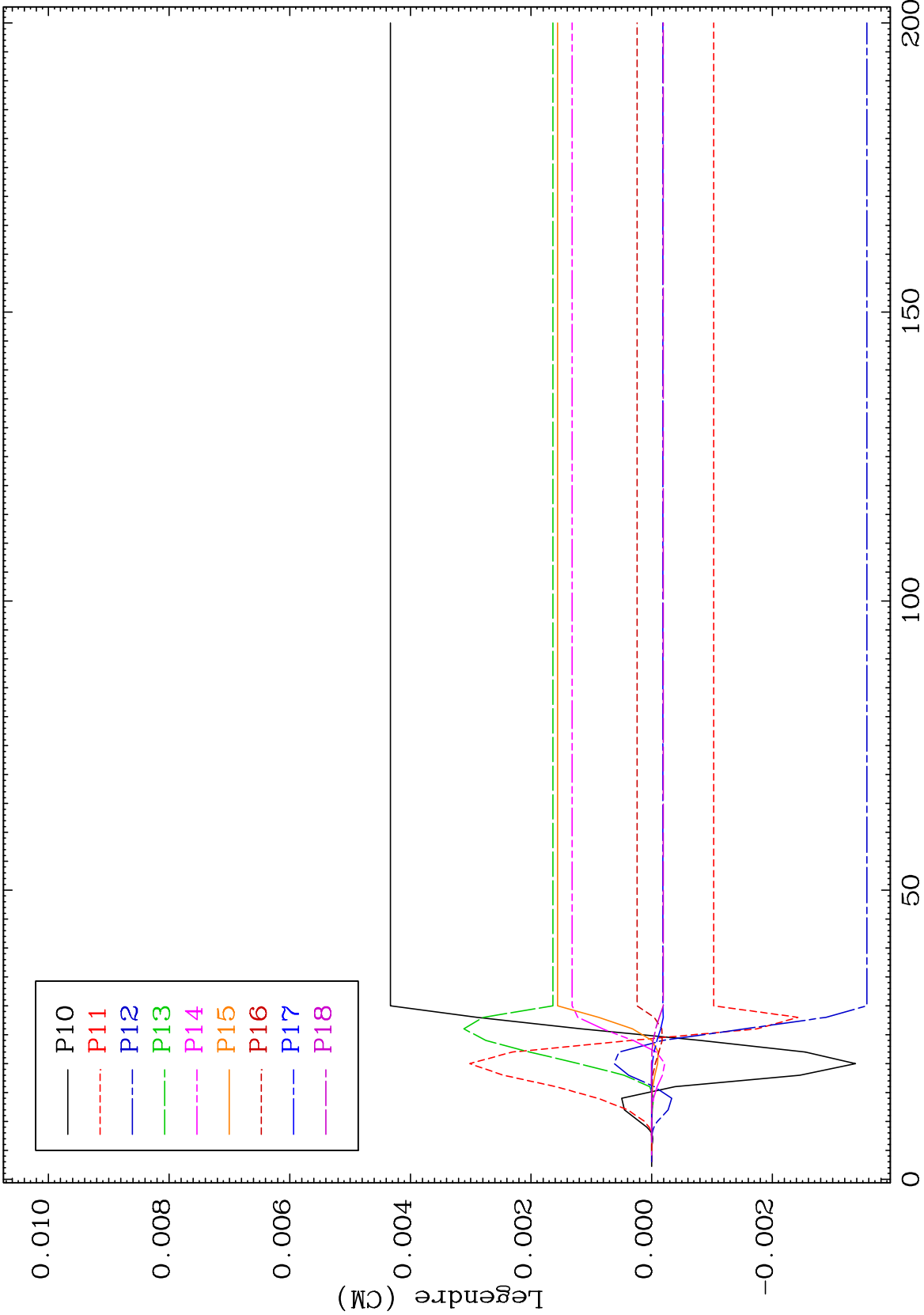
Incident Energy (MeV)

41-Nb-101

MAT 4149

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

41-Nb-101



118

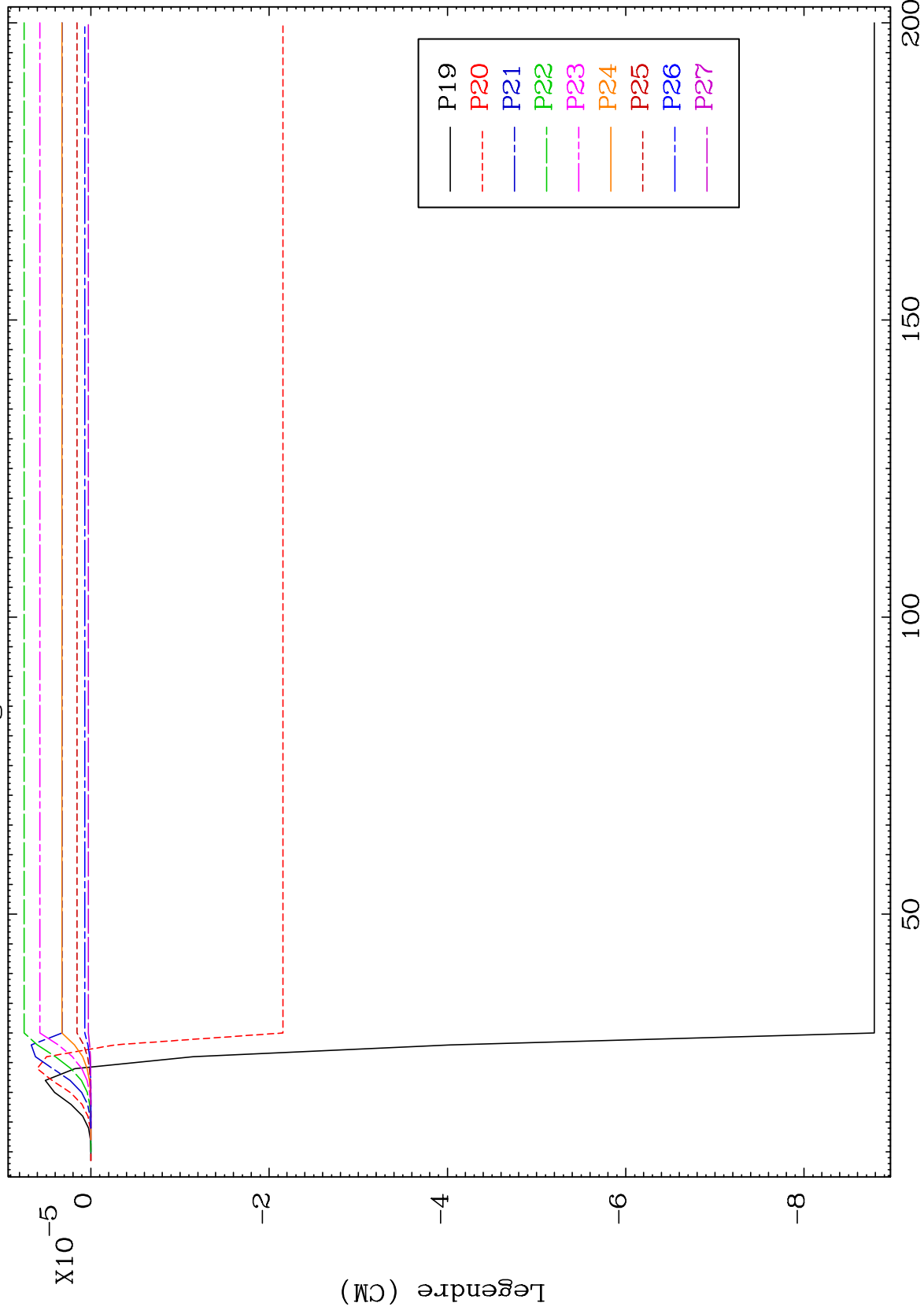
Incident Energy (MeV)

41-Nb-101

MAT 4149

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

41-Nb-101



119

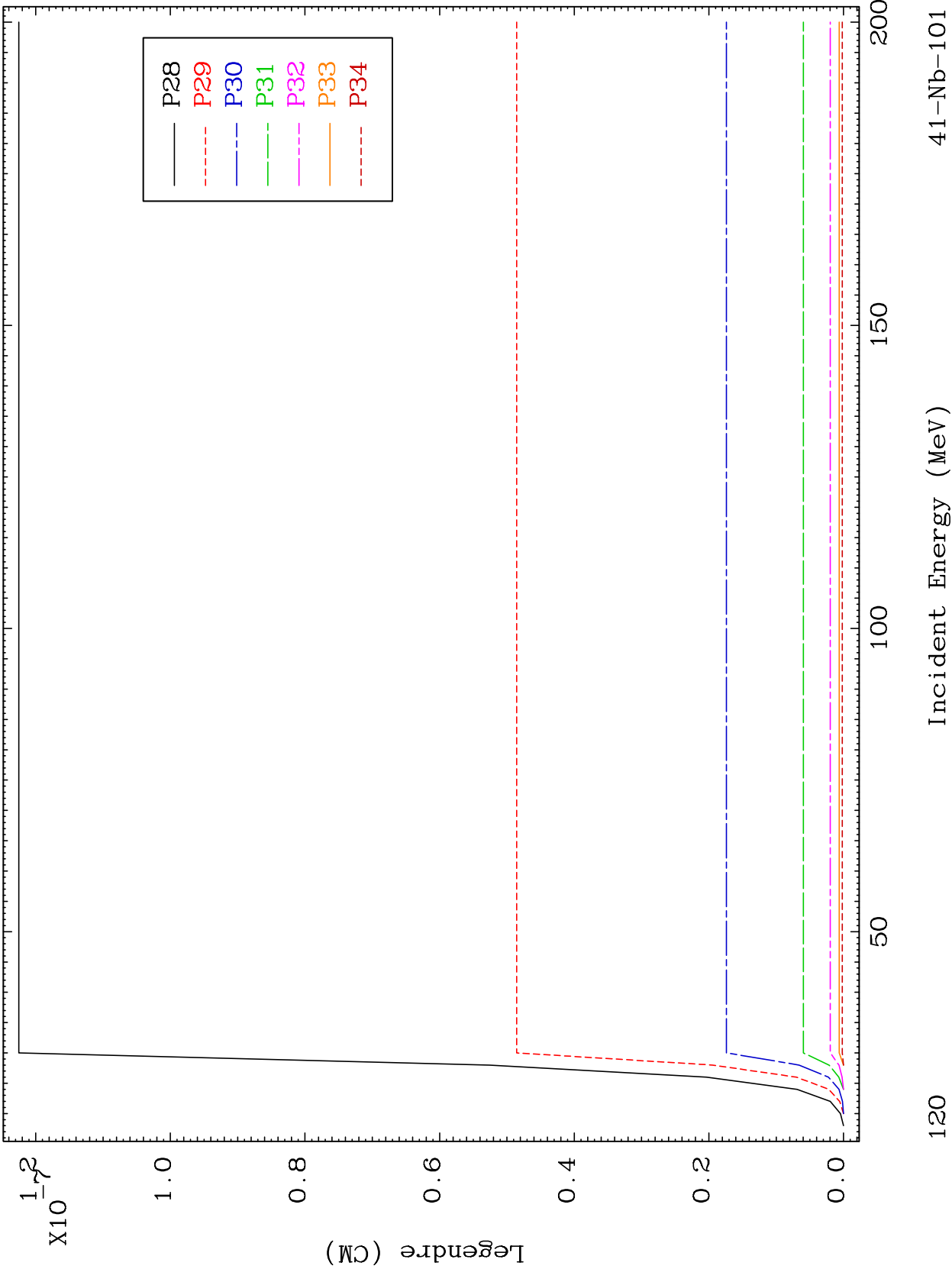
41-Nb-101



MAT 4149

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

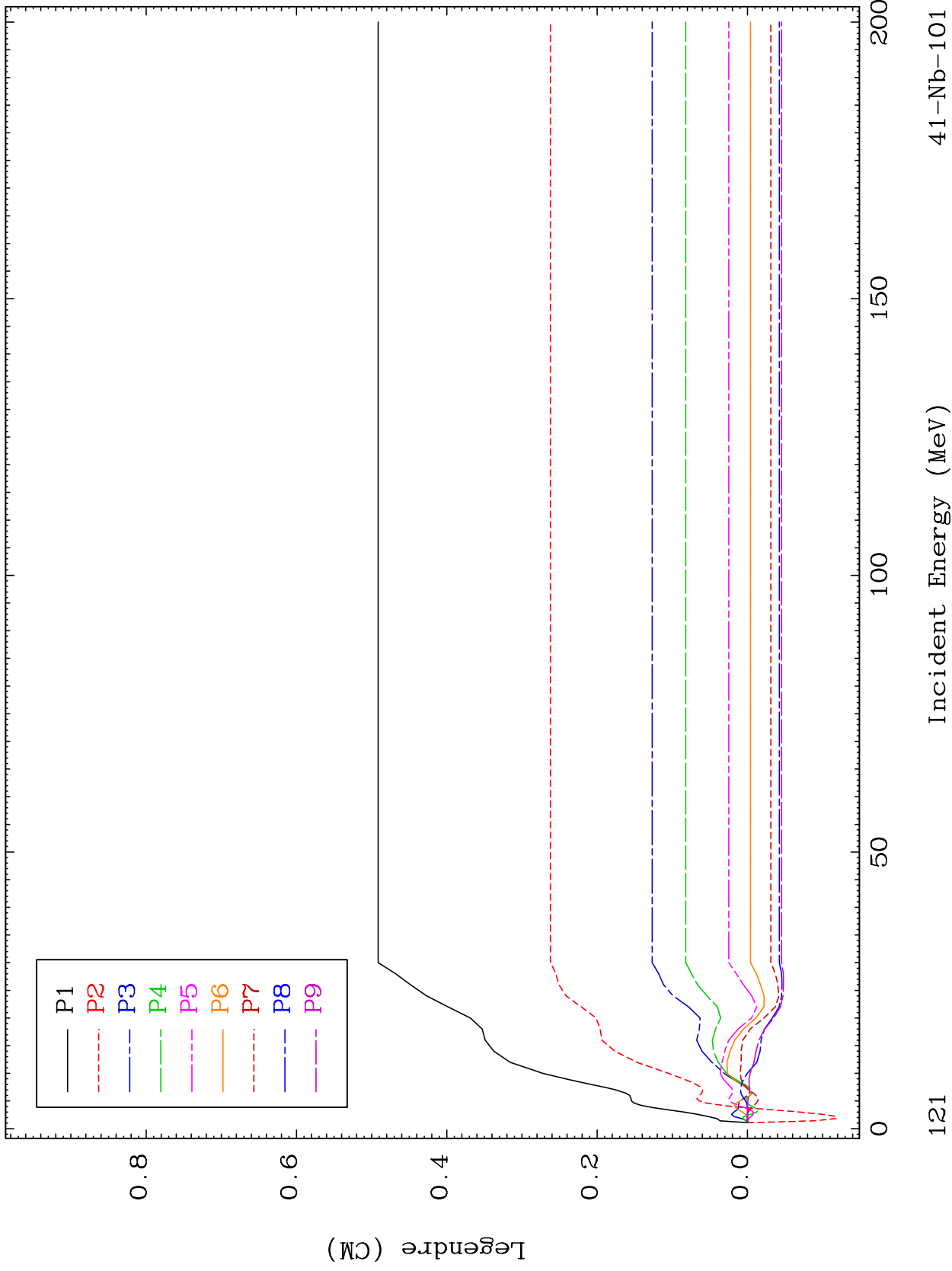
41-Nb-101



MAT 4149

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

41-Nb-101

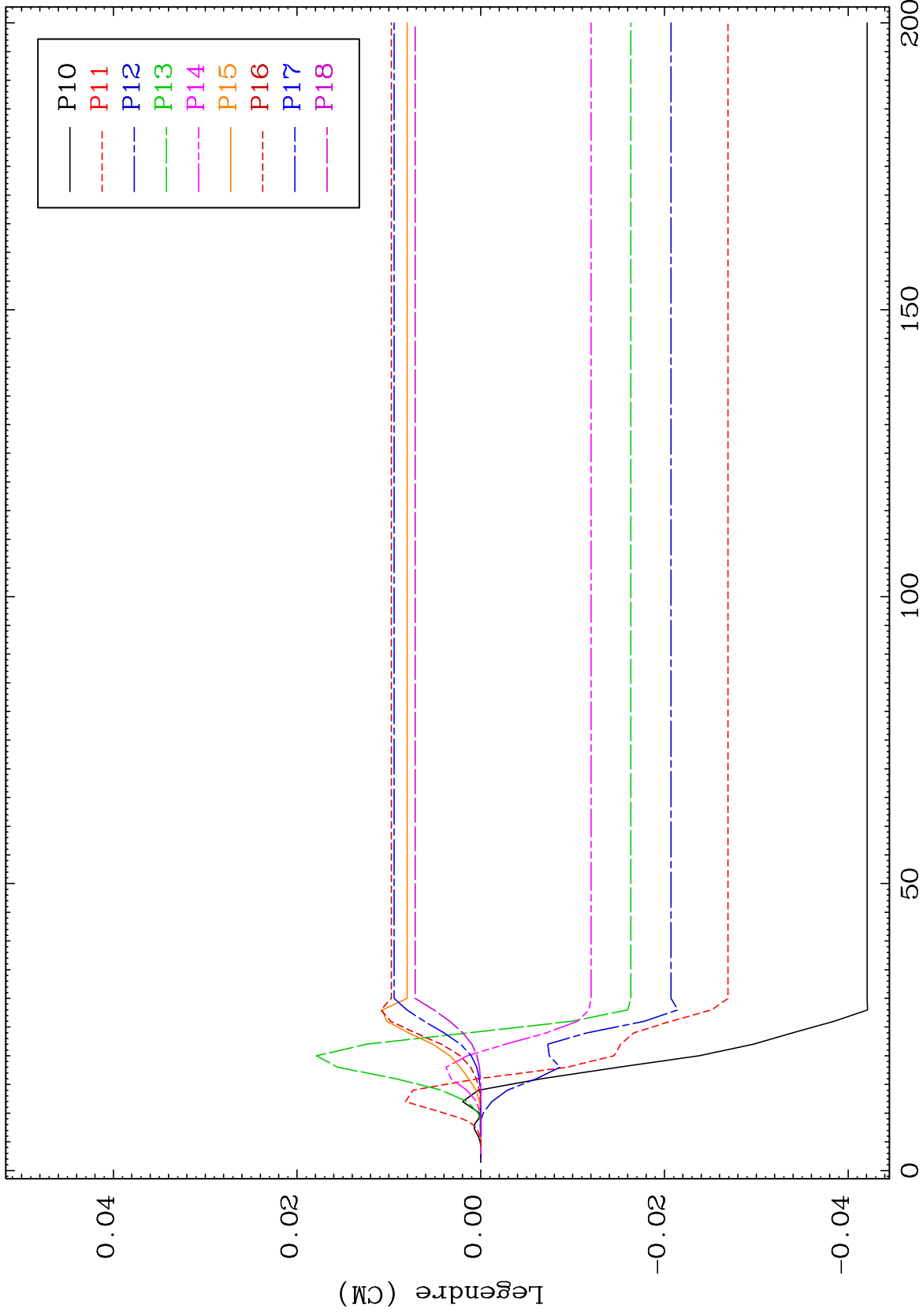


121

MAT 4149

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

41-Nb-101



122

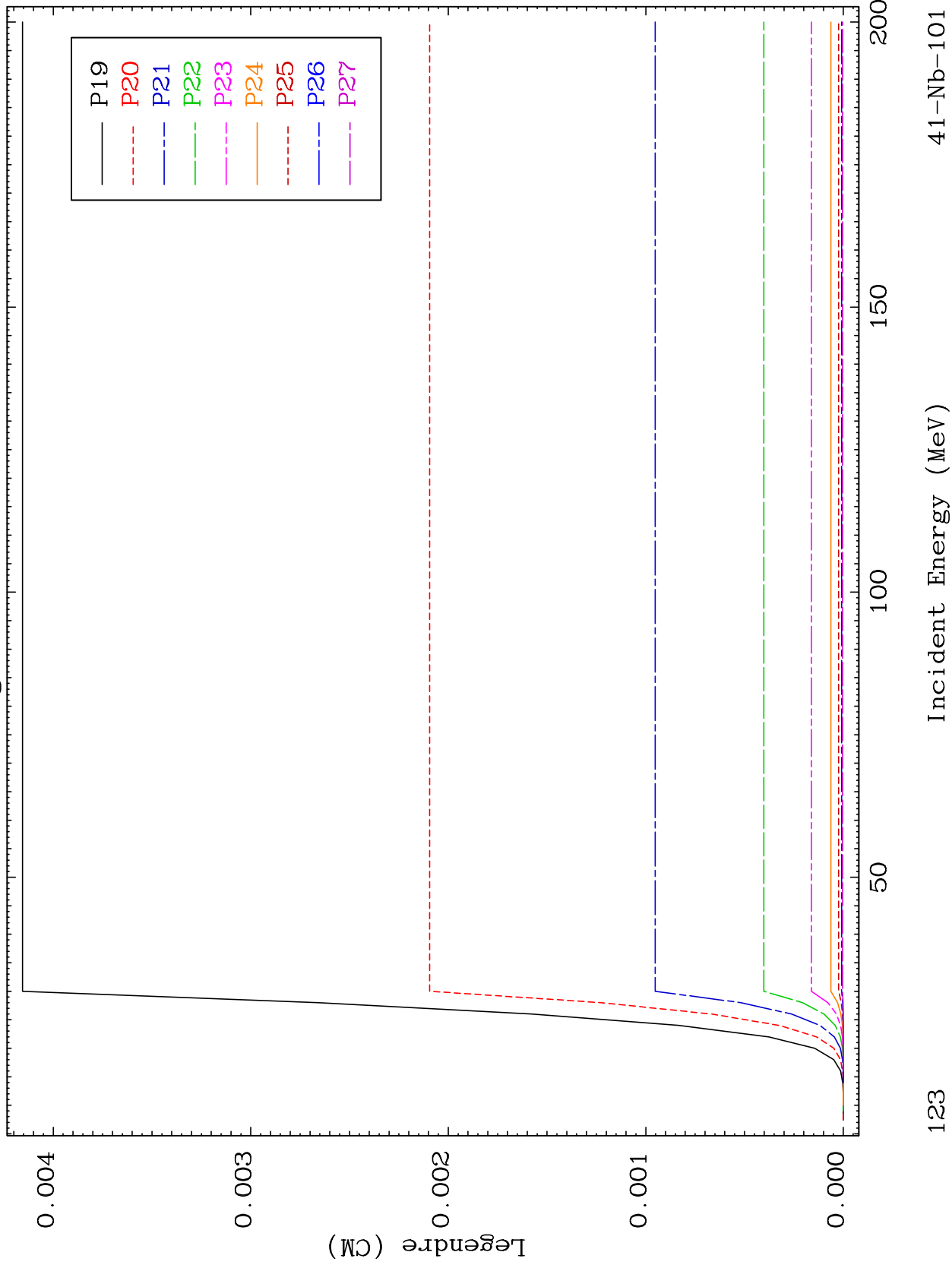
Incident Energy (MeV)

41-Nb-101

MAT 4149

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

41-Nb-101



123

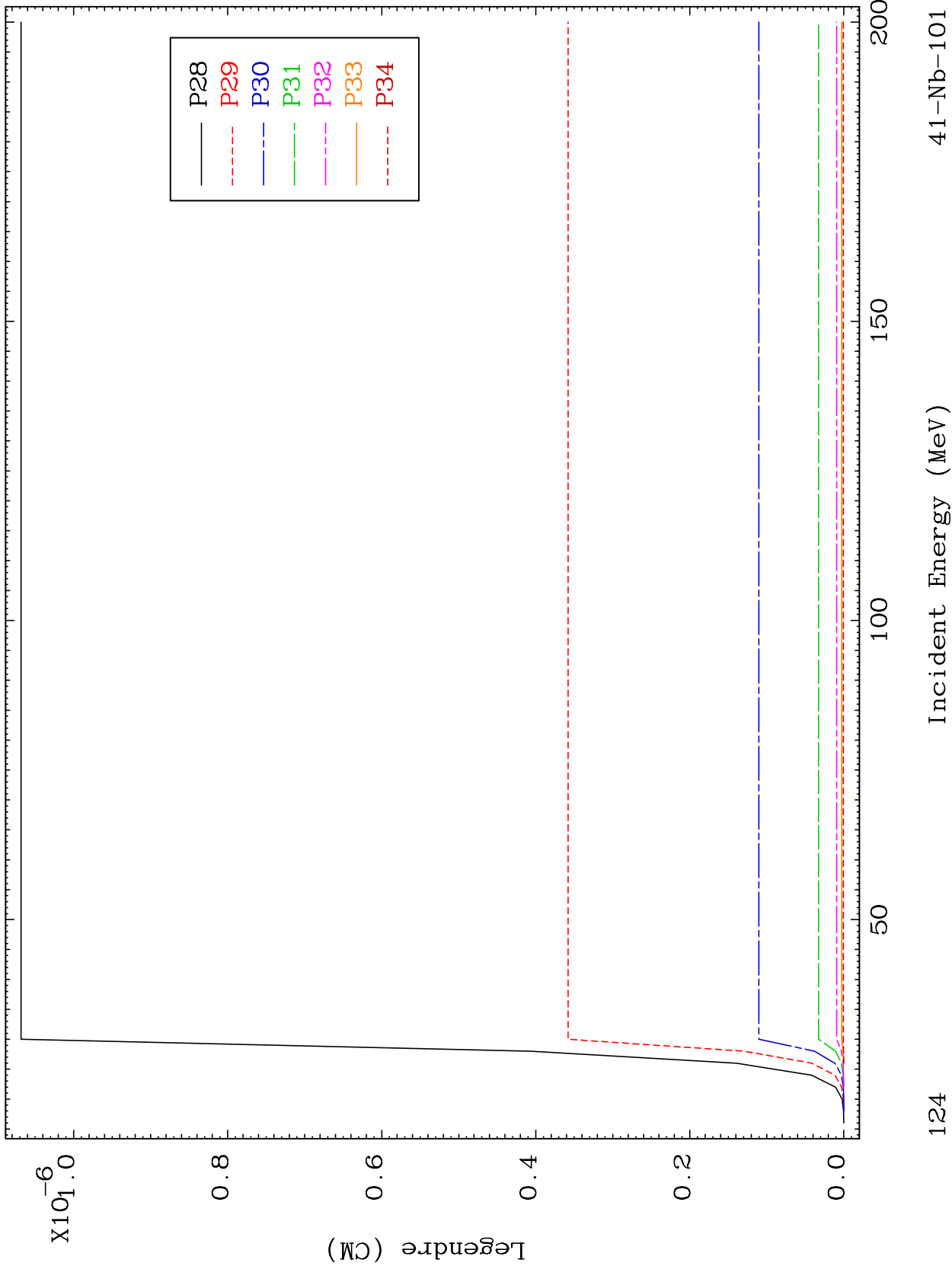
Incident Energy (MeV)

41-Nb-101

MAT 4149

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

41-Nb-101



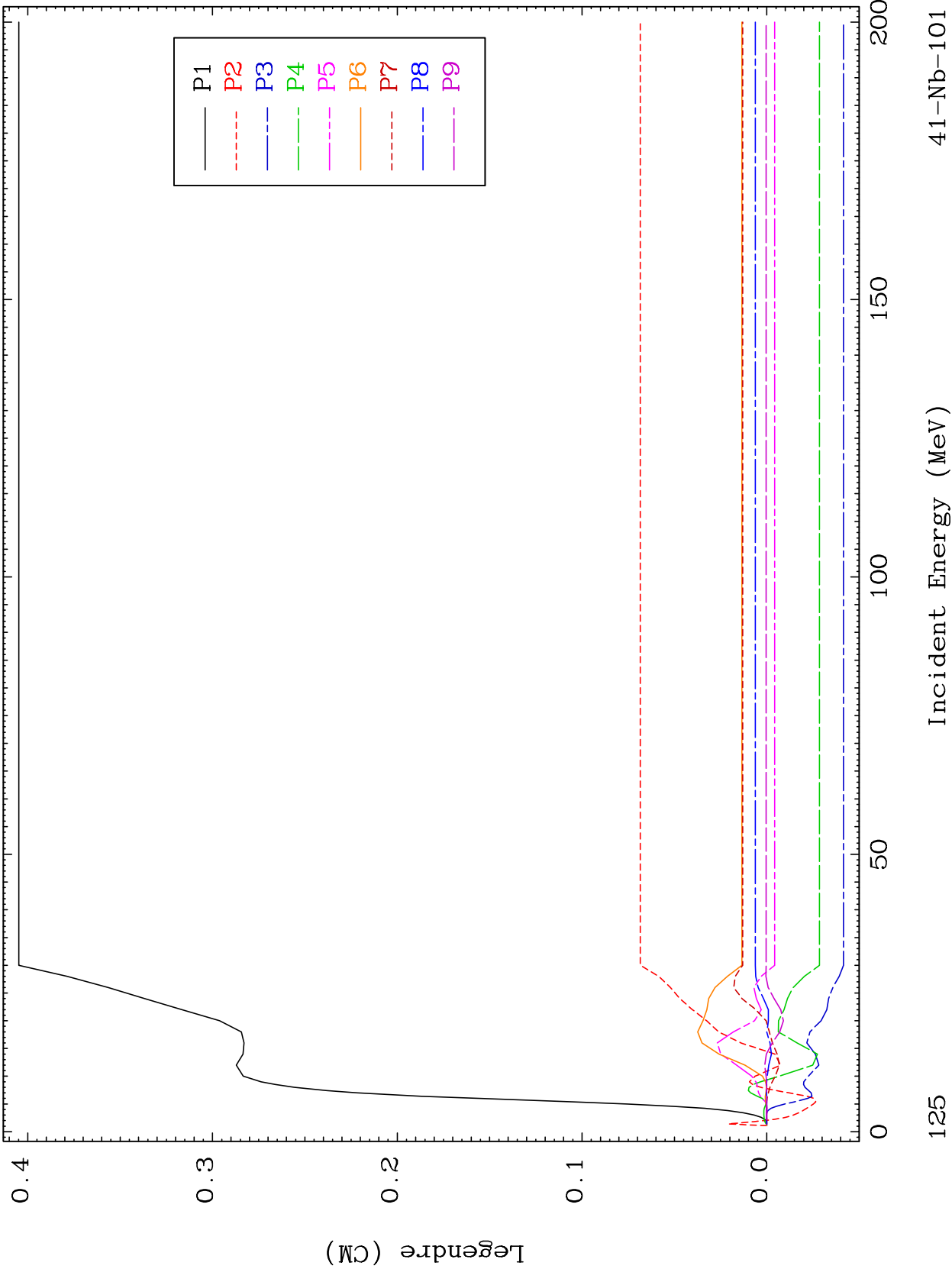
124

41-Nb-101

MAT 4149

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

41-Nb-101



41-Nb-101

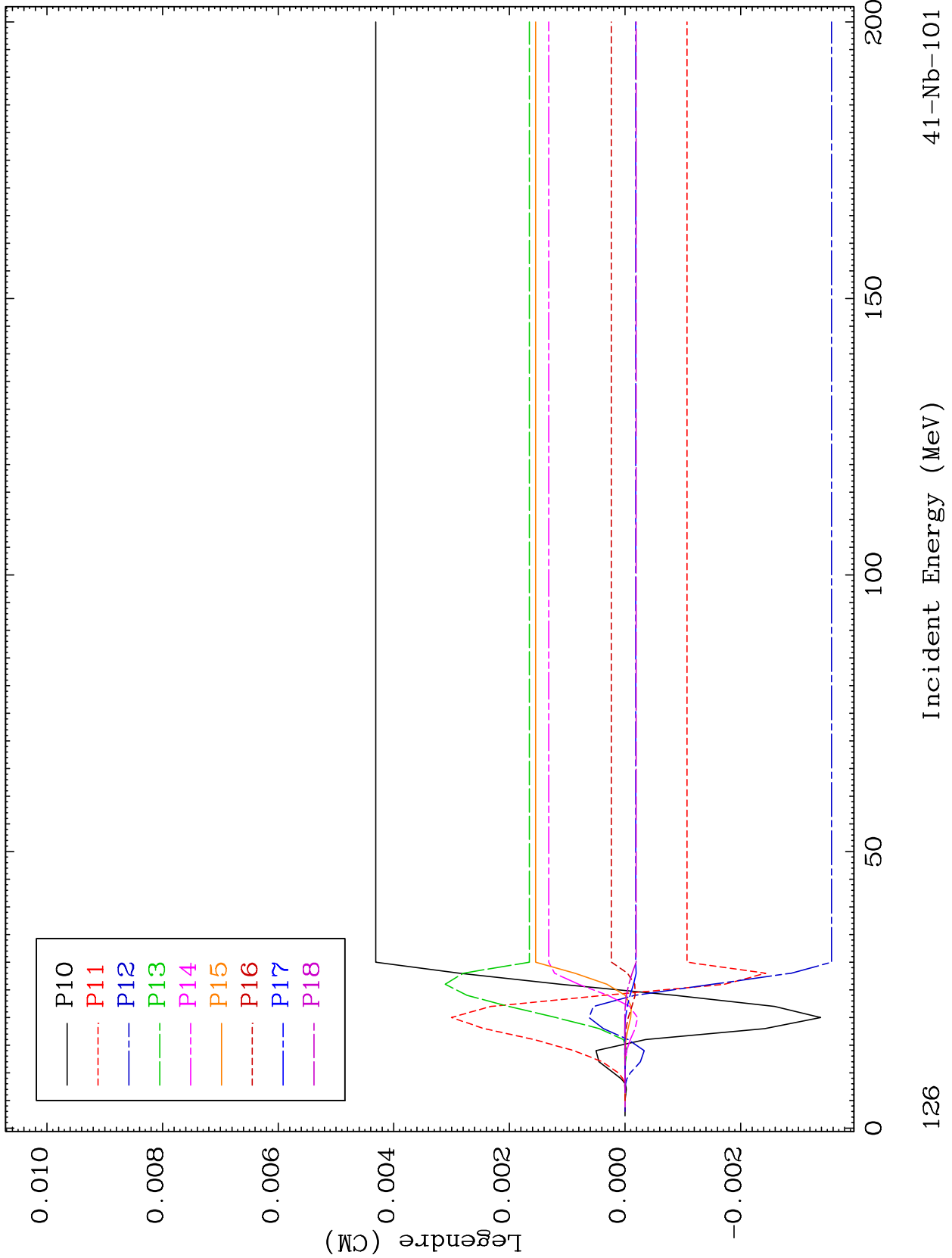
Incident Energy (MeV)

125

MAT 4149

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

41-Nb-101



126

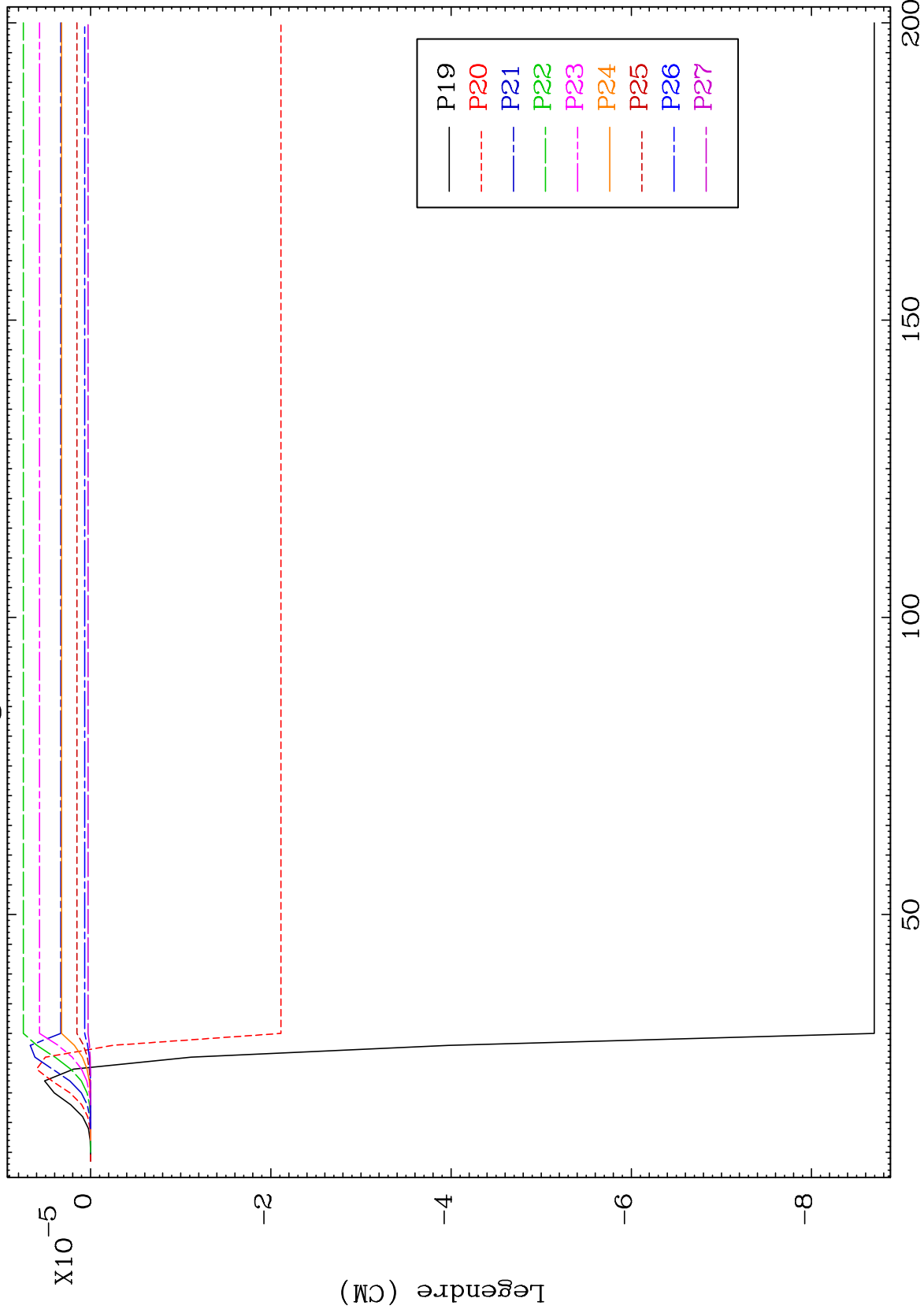
Incident Energy (MeV)

41-Nb-101

MAT 4149

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

41-Nb-101

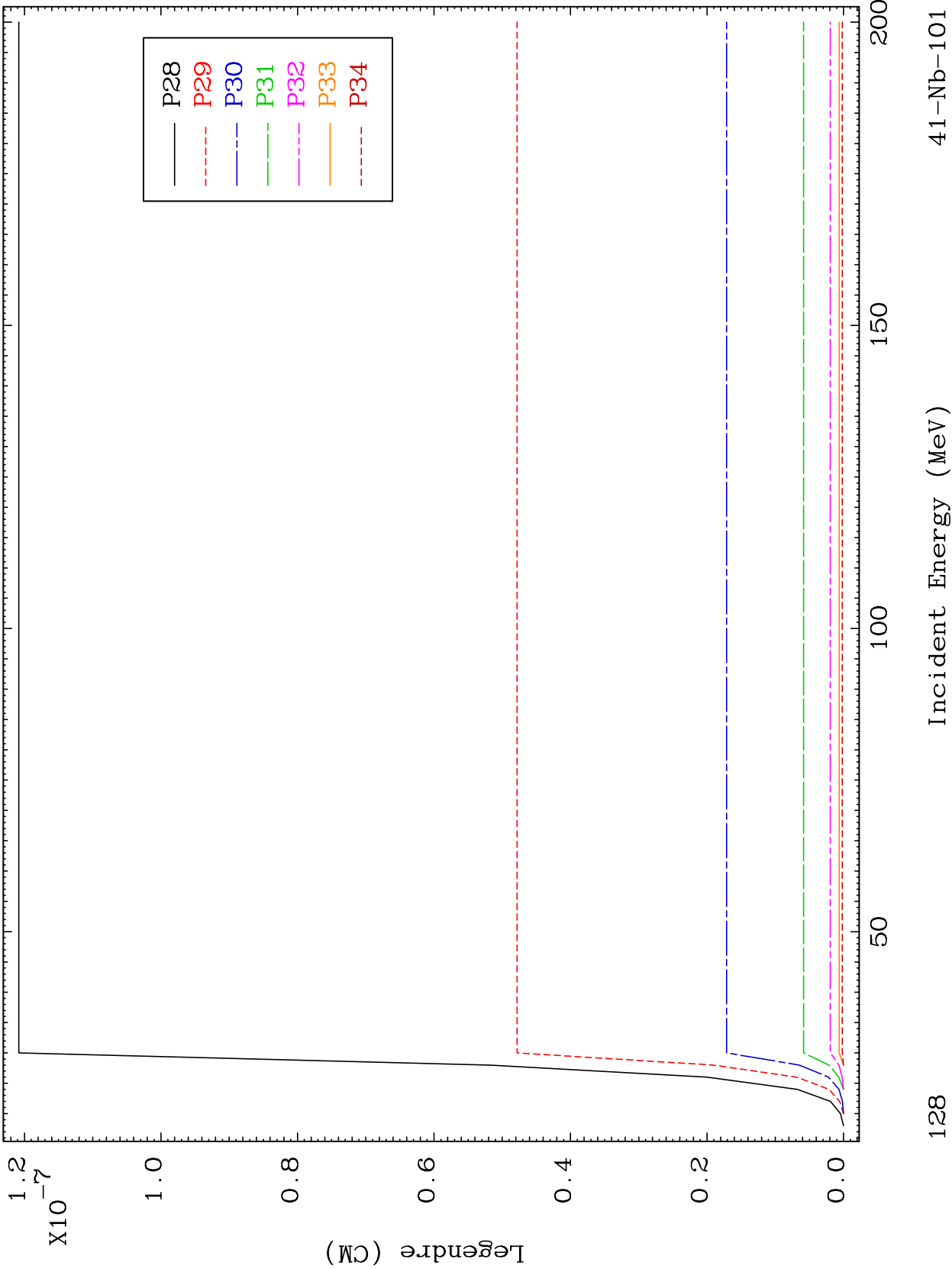


127

Incident Energy (MeV)

41-Nb-101

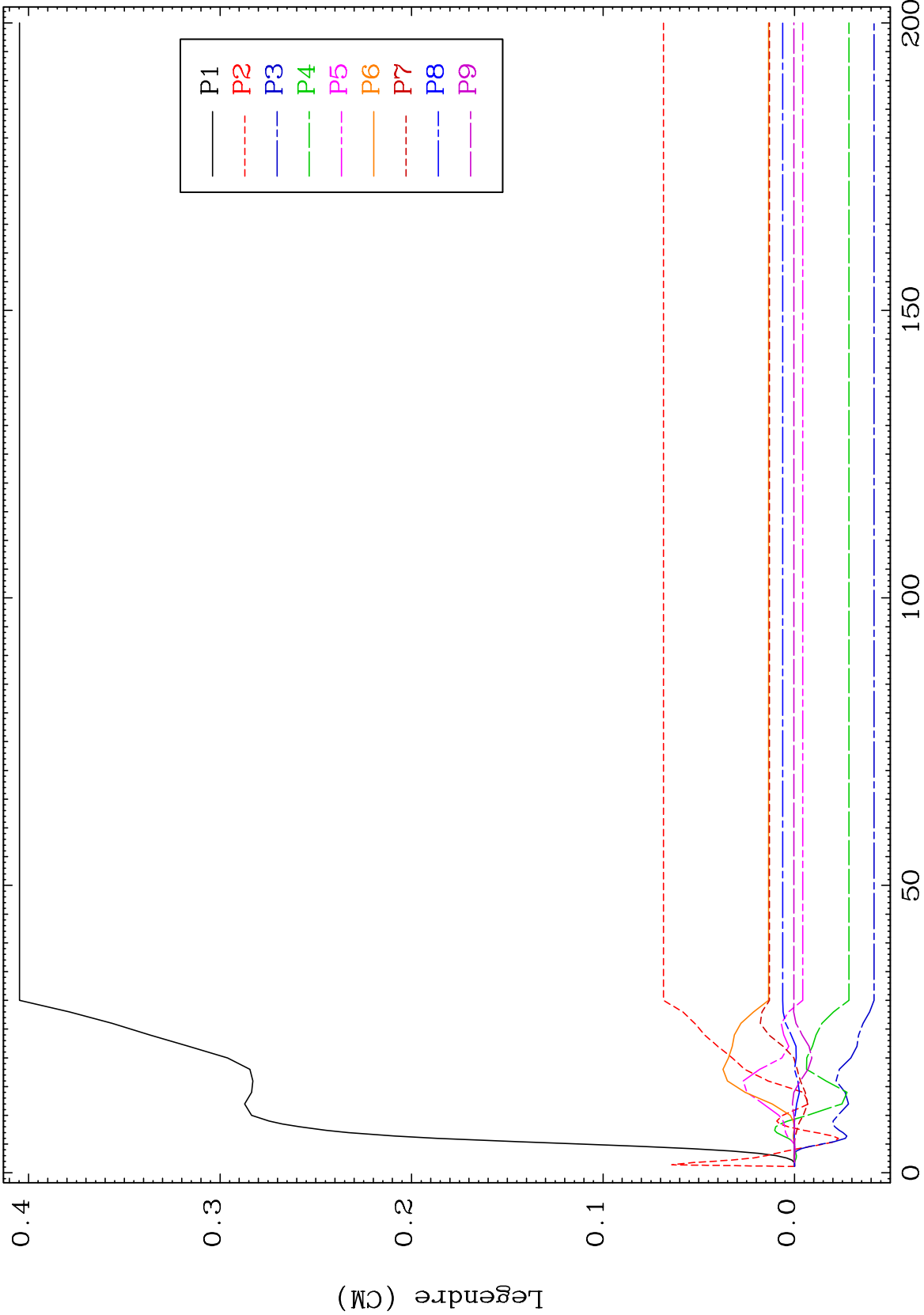




MAT 4149

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

41-Nb-101



129

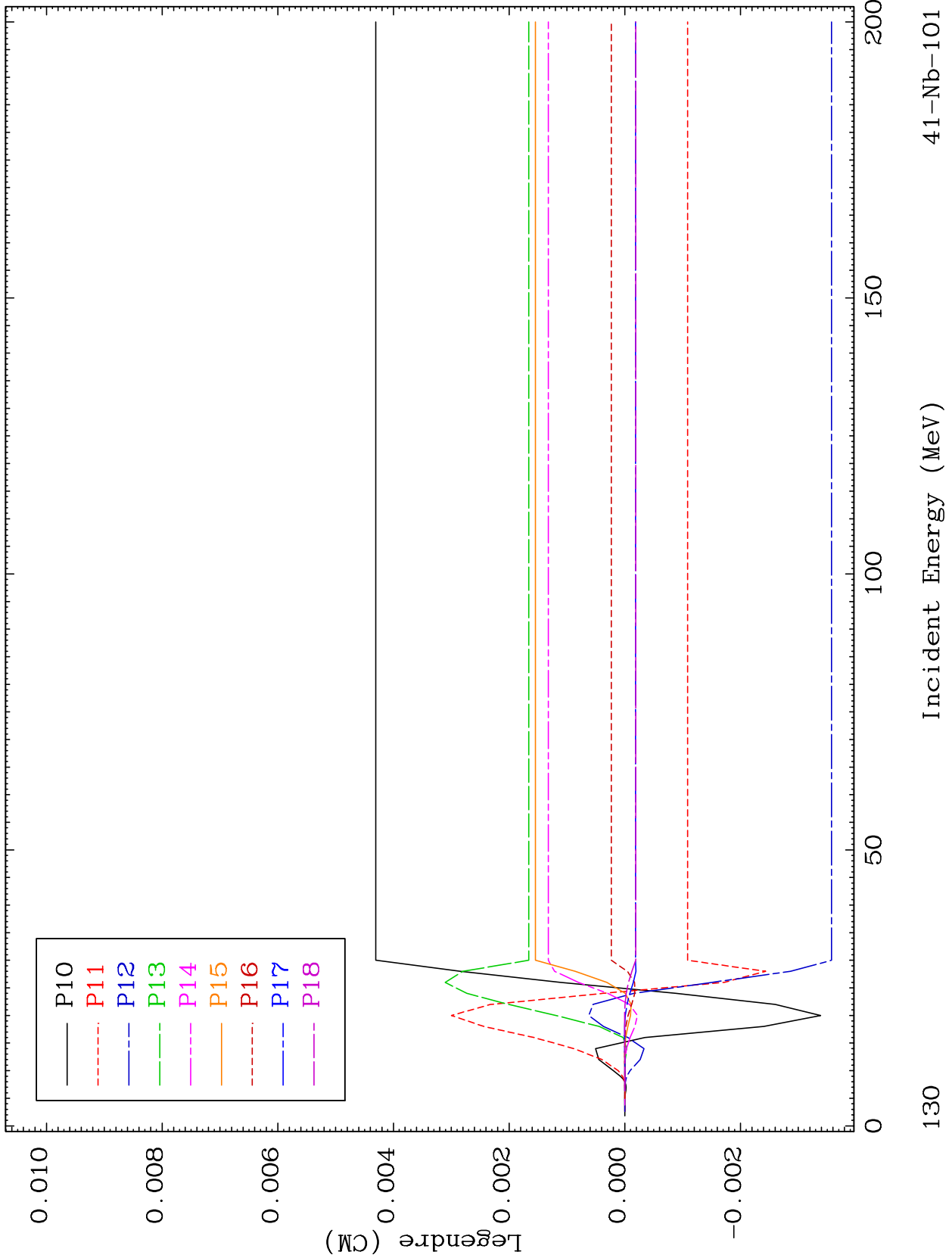
Incident Energy (MeV)

41-Nb-101

MAT 4149

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

41-Nb-101



41-Nb-101

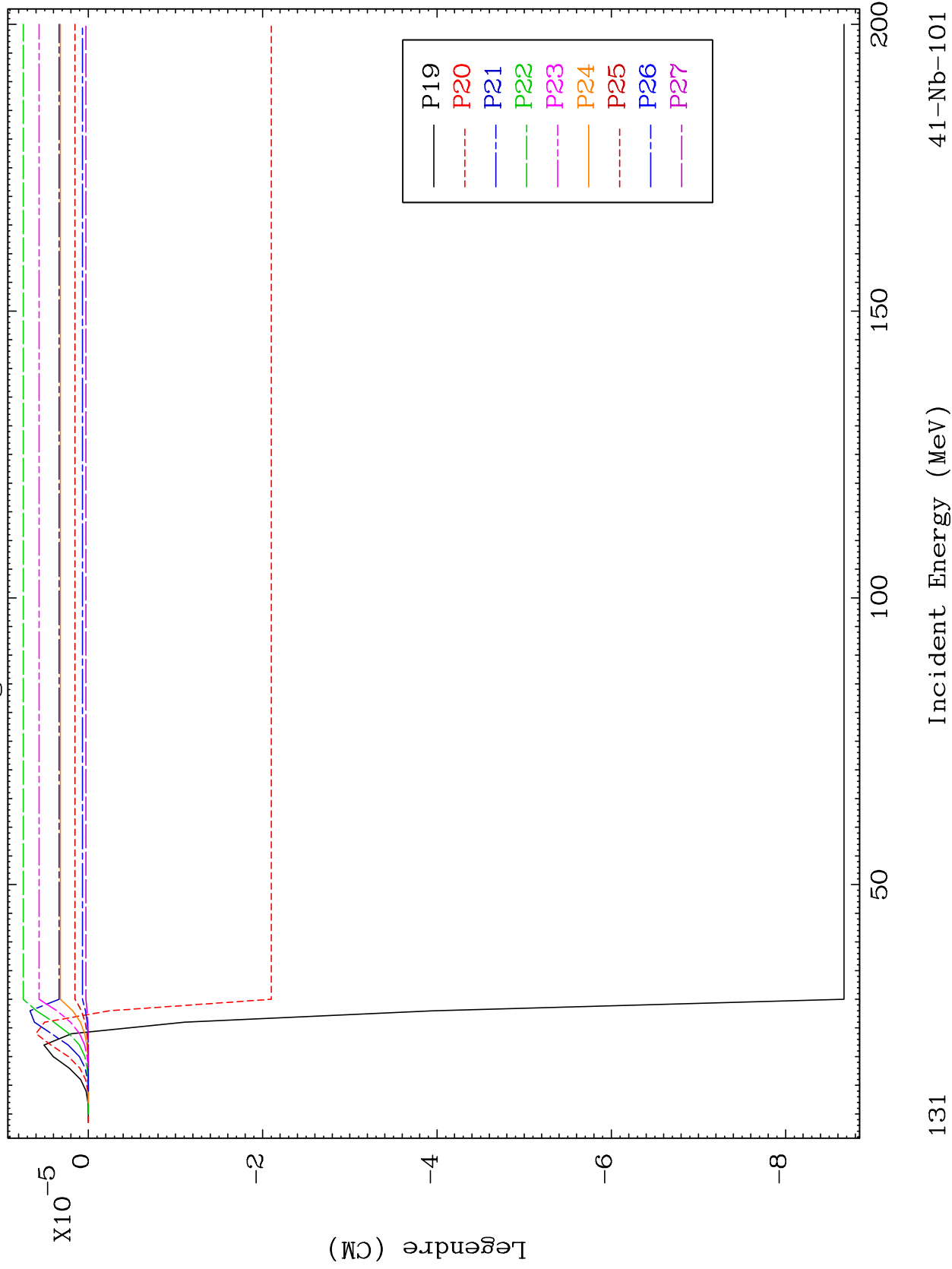
Incident Energy (MeV)

130

MAT 4149

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

41-Nb-101



131

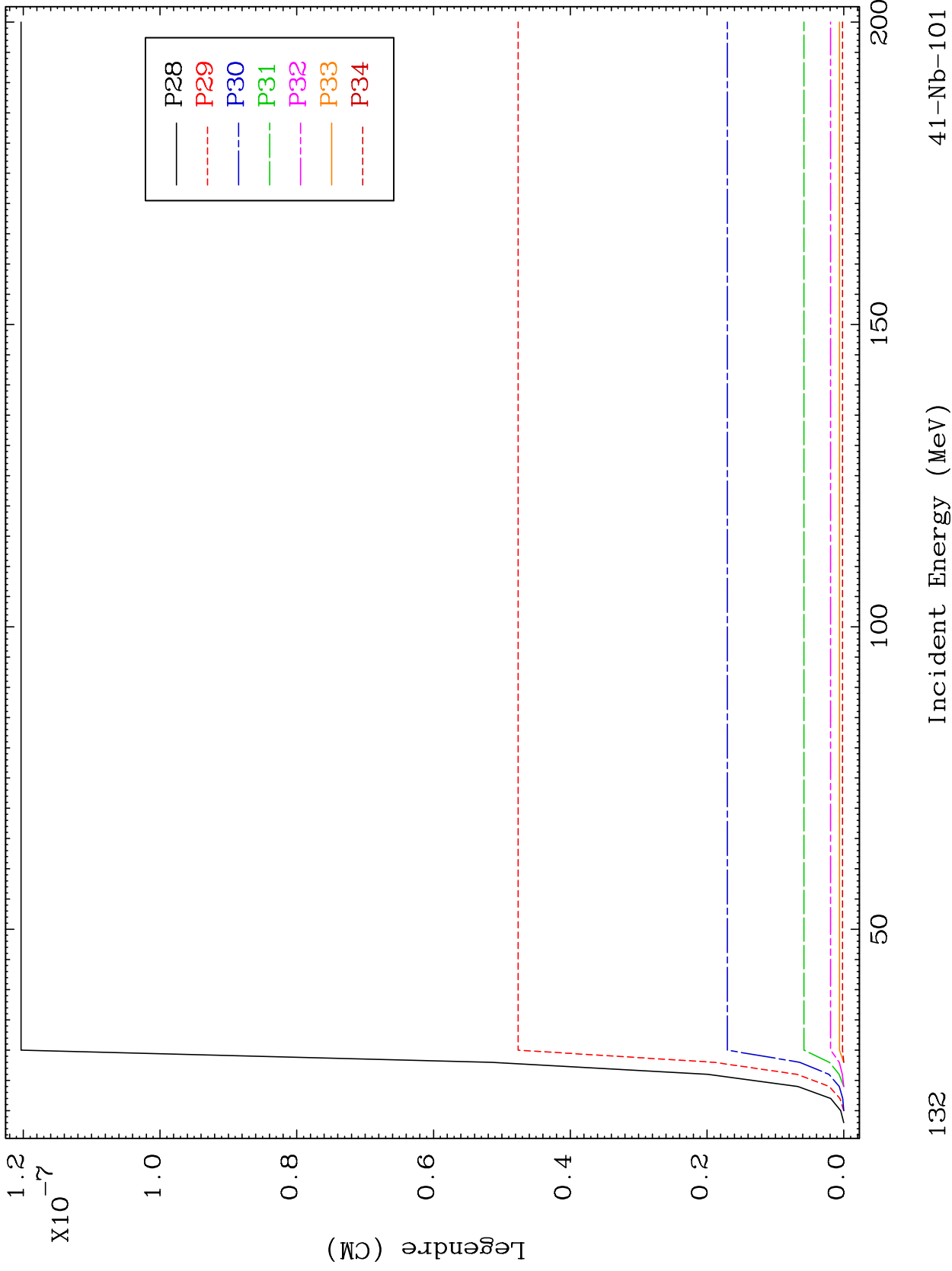
Incident Energy (MeV)

41-Nb-101

MAT 4149

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

41-Nb-101



132

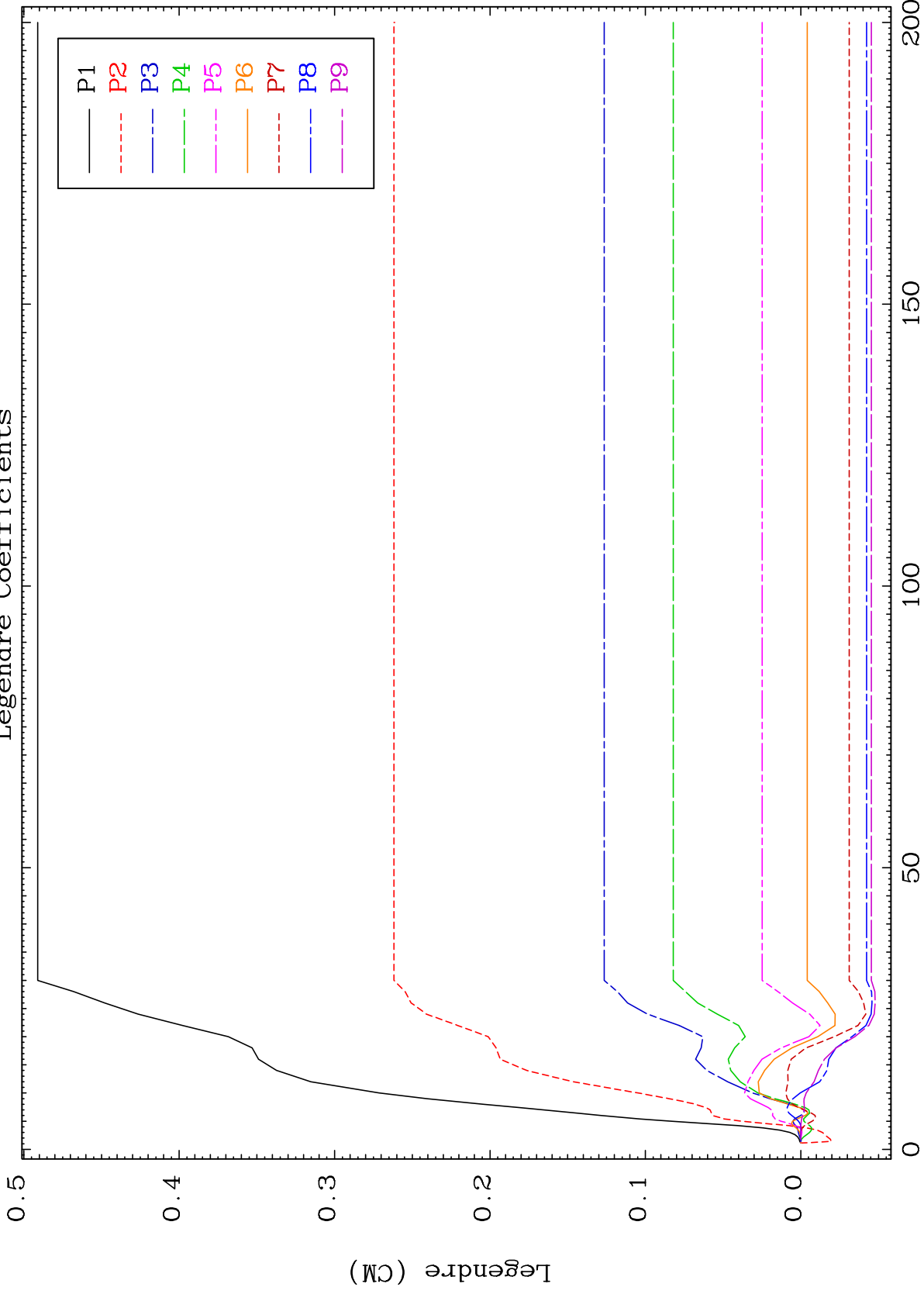
Incident Energy (MeV)

41-Nb-101

MAT 4149

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

41-Nb-101



133

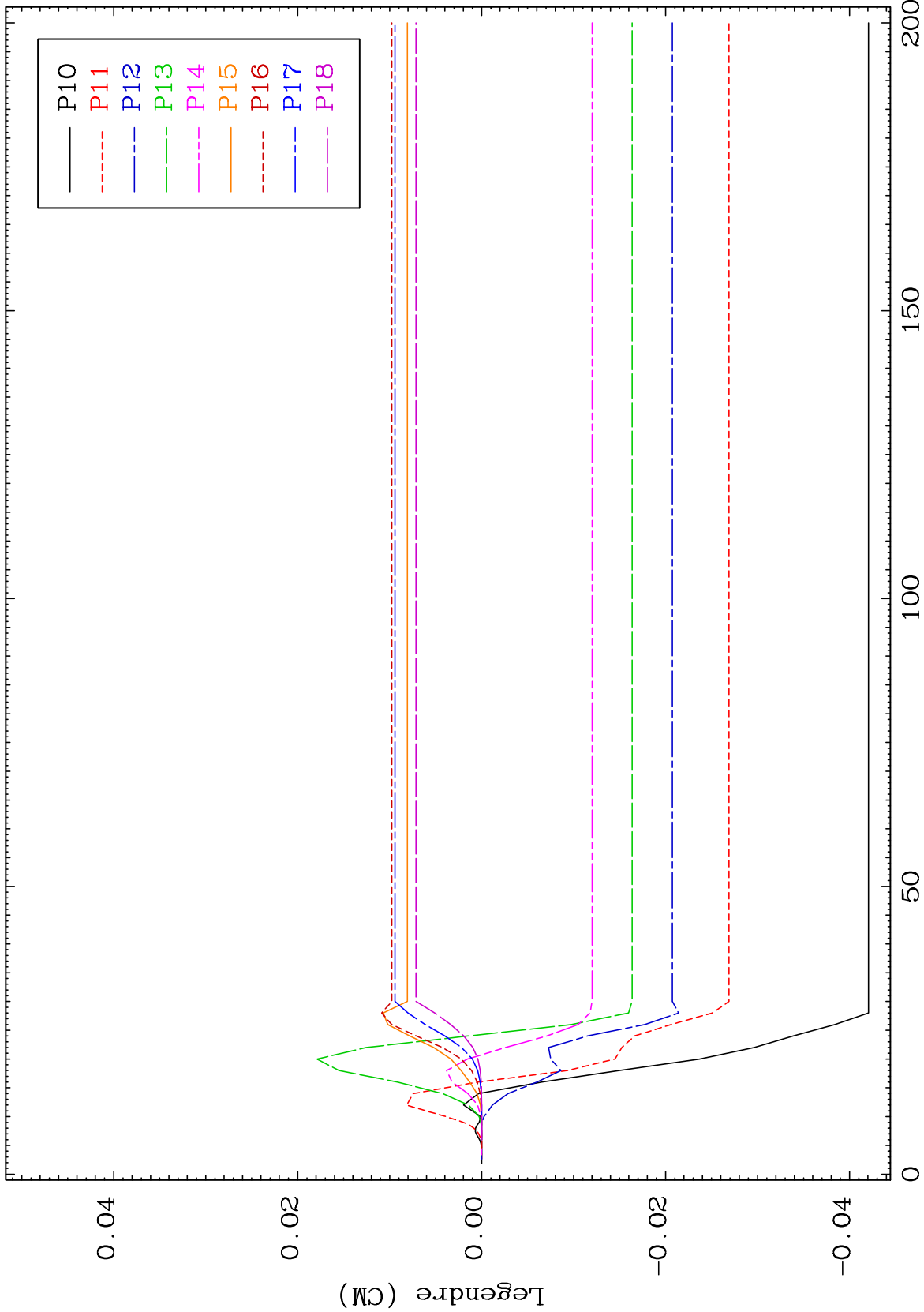
Incident Energy (MeV)

41-Nb-101

MAT 4149

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

41-Nb-101



134

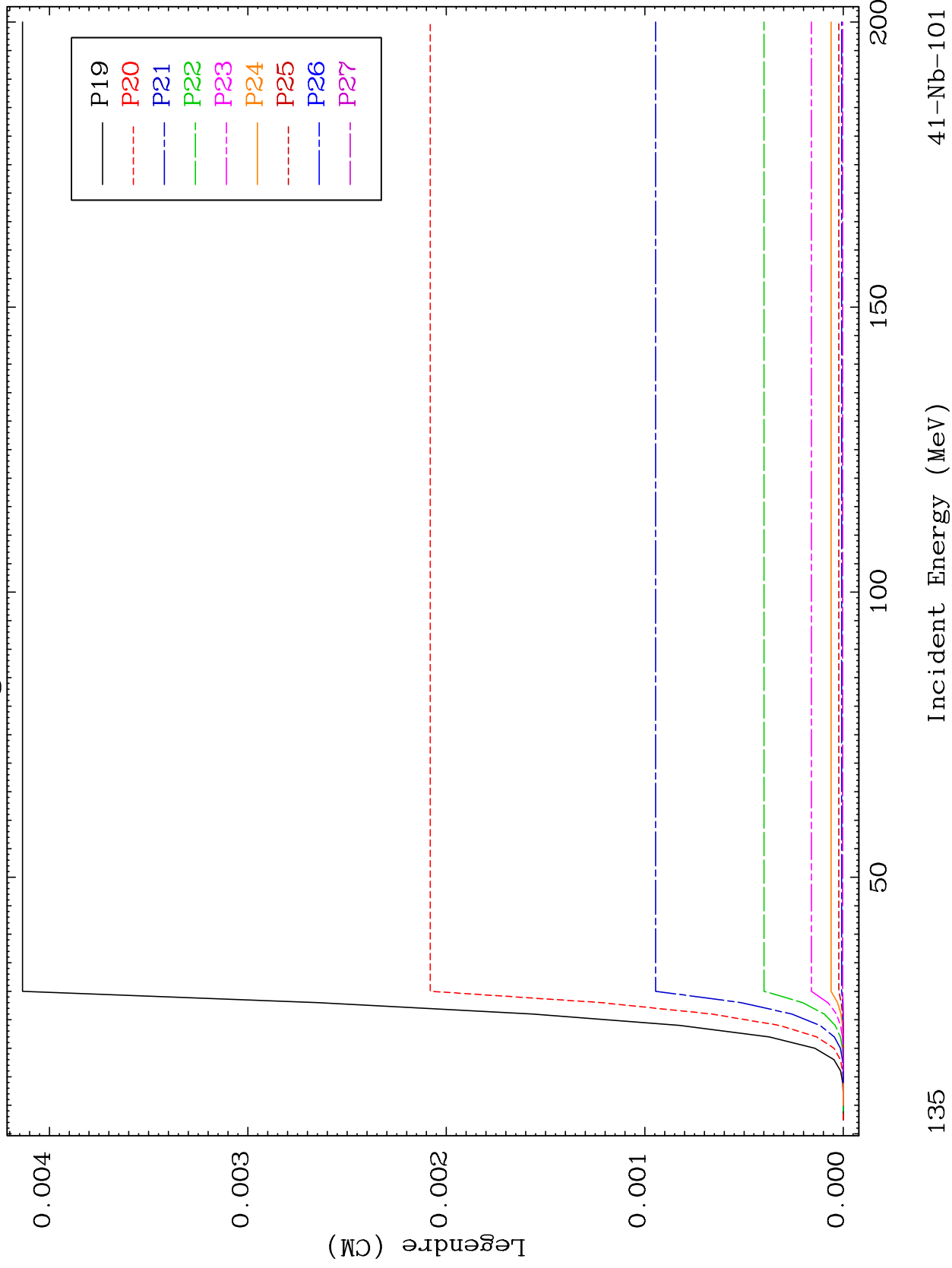
Incident Energy (MeV)

41-Nb-101

MAT 4149

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

41-Nb-101



135

Incident Energy (MeV)

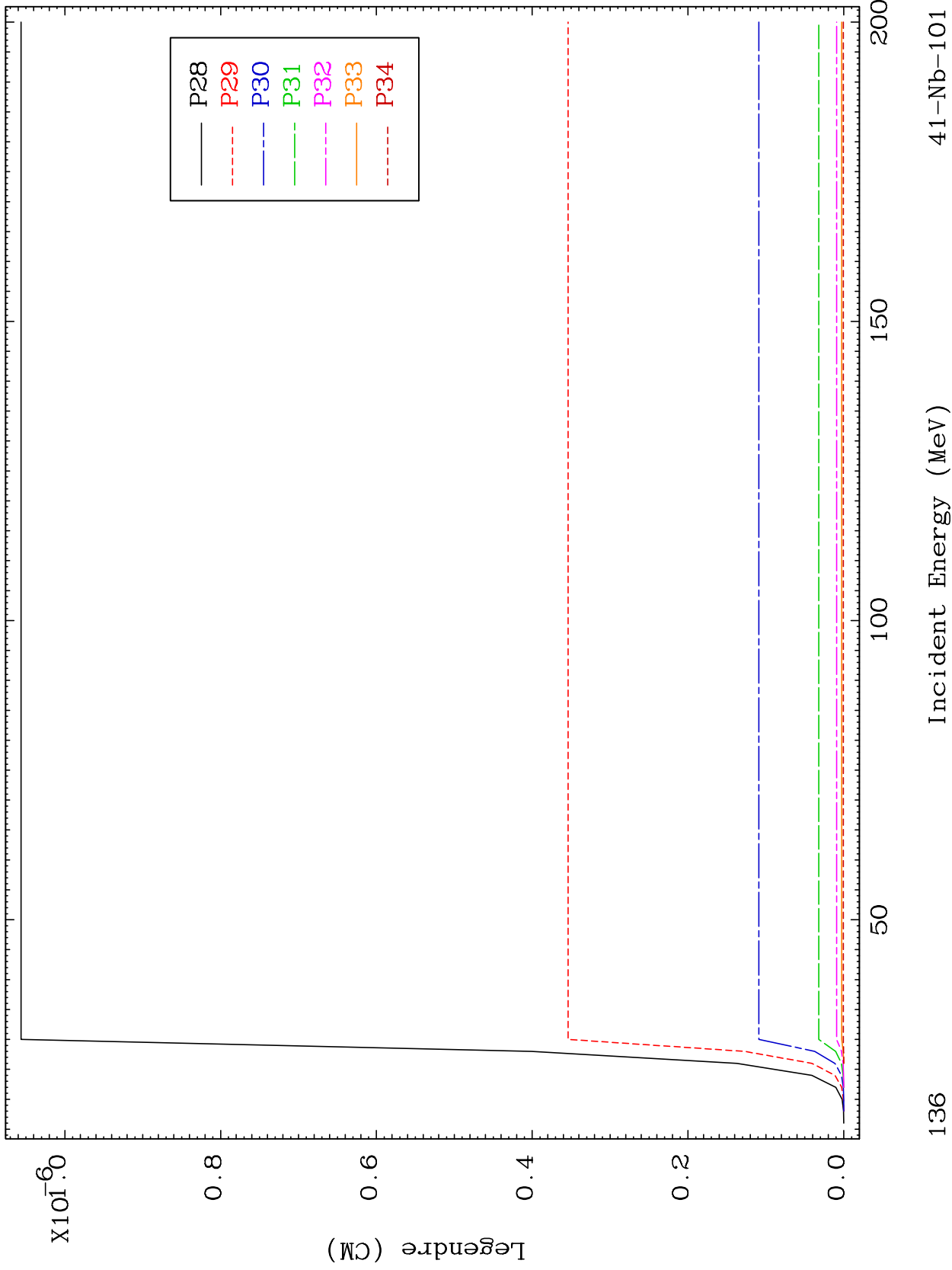
41-Nb-101



MAT 4149

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

41-Nb-101

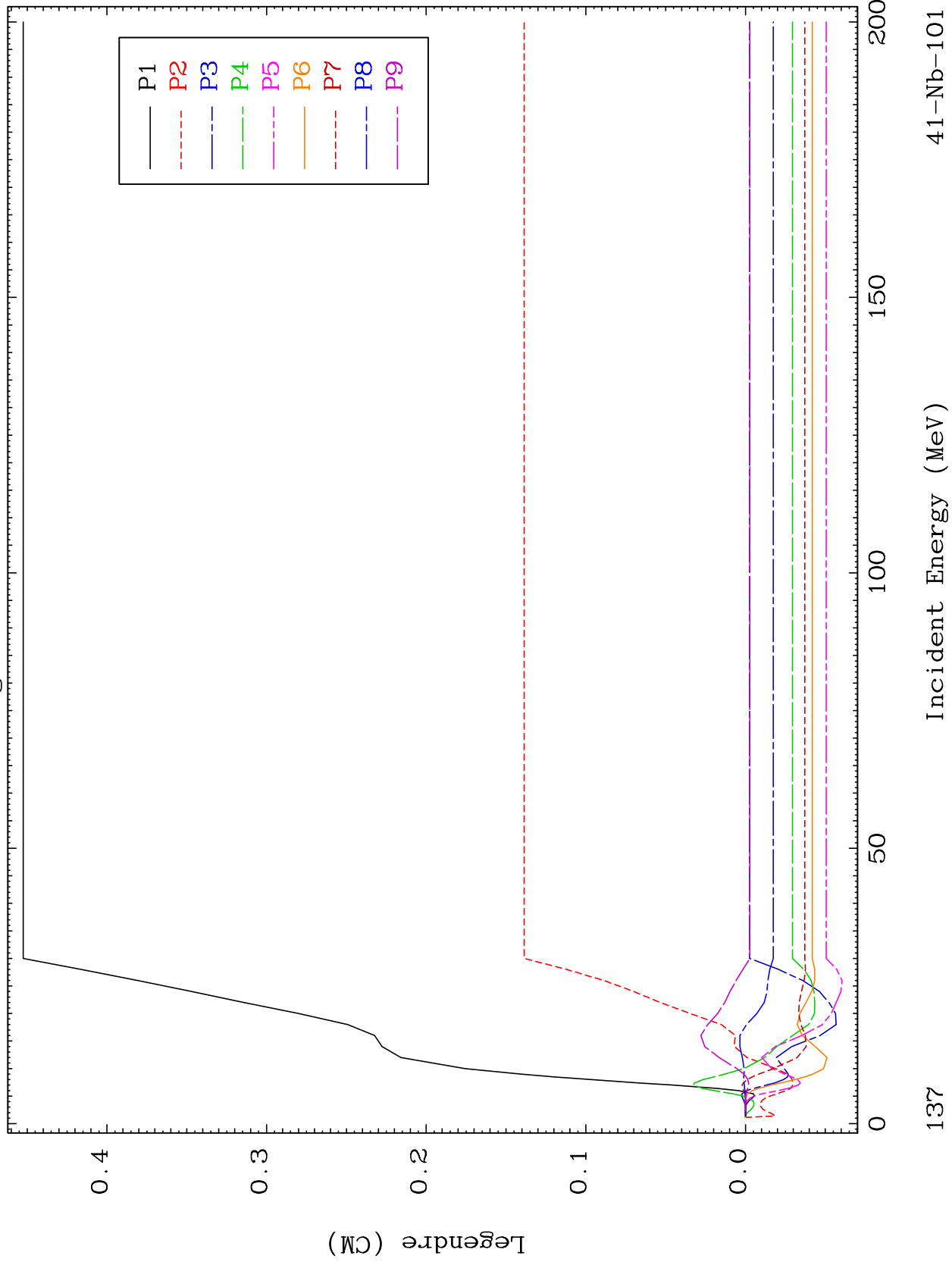


136

MAT 4149

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

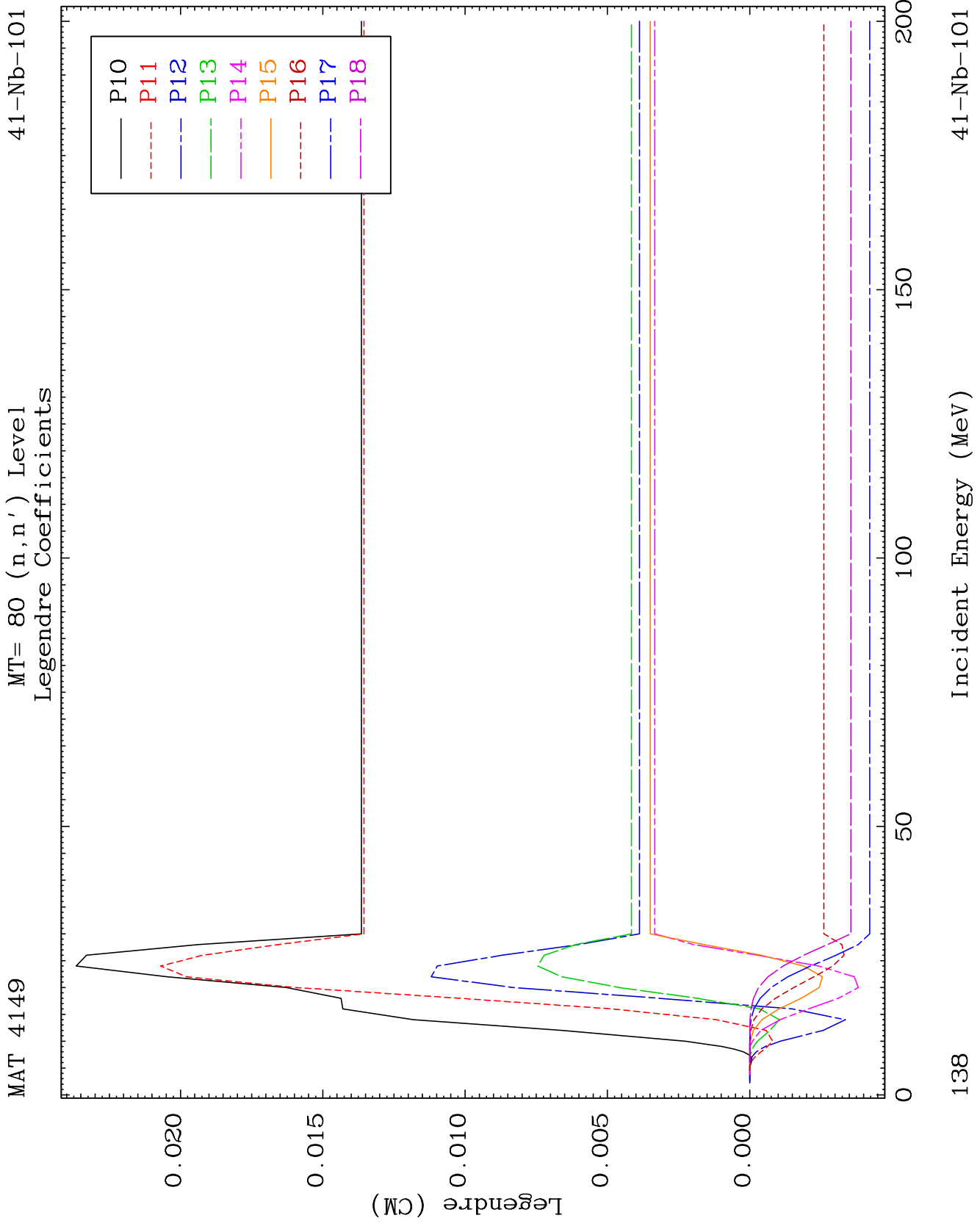
41-Nb-101



41-Nb-101

Incident Energy (MeV)

137

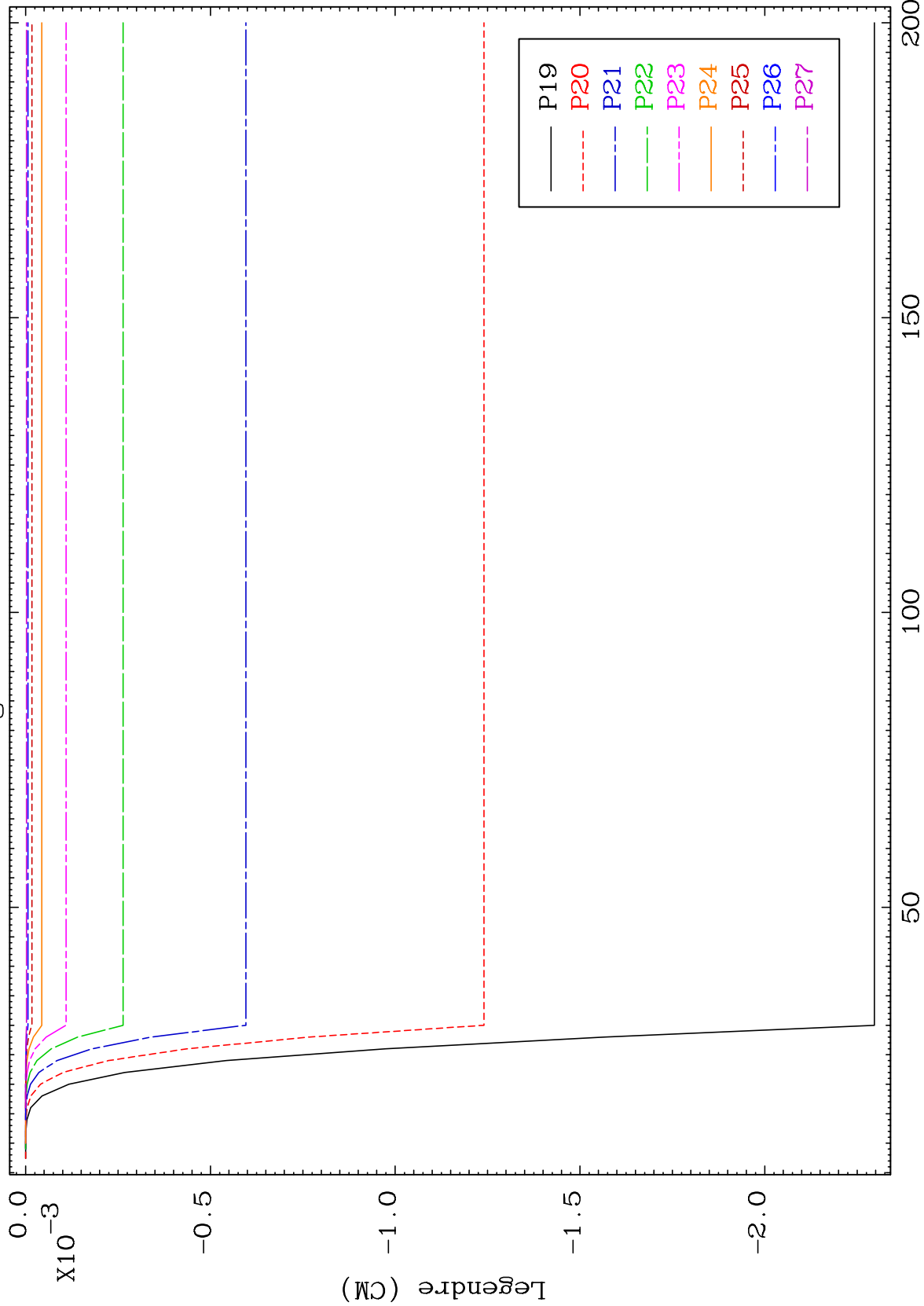


MAT 4149

MT= 80 (n,n') Level

41-Nb-101

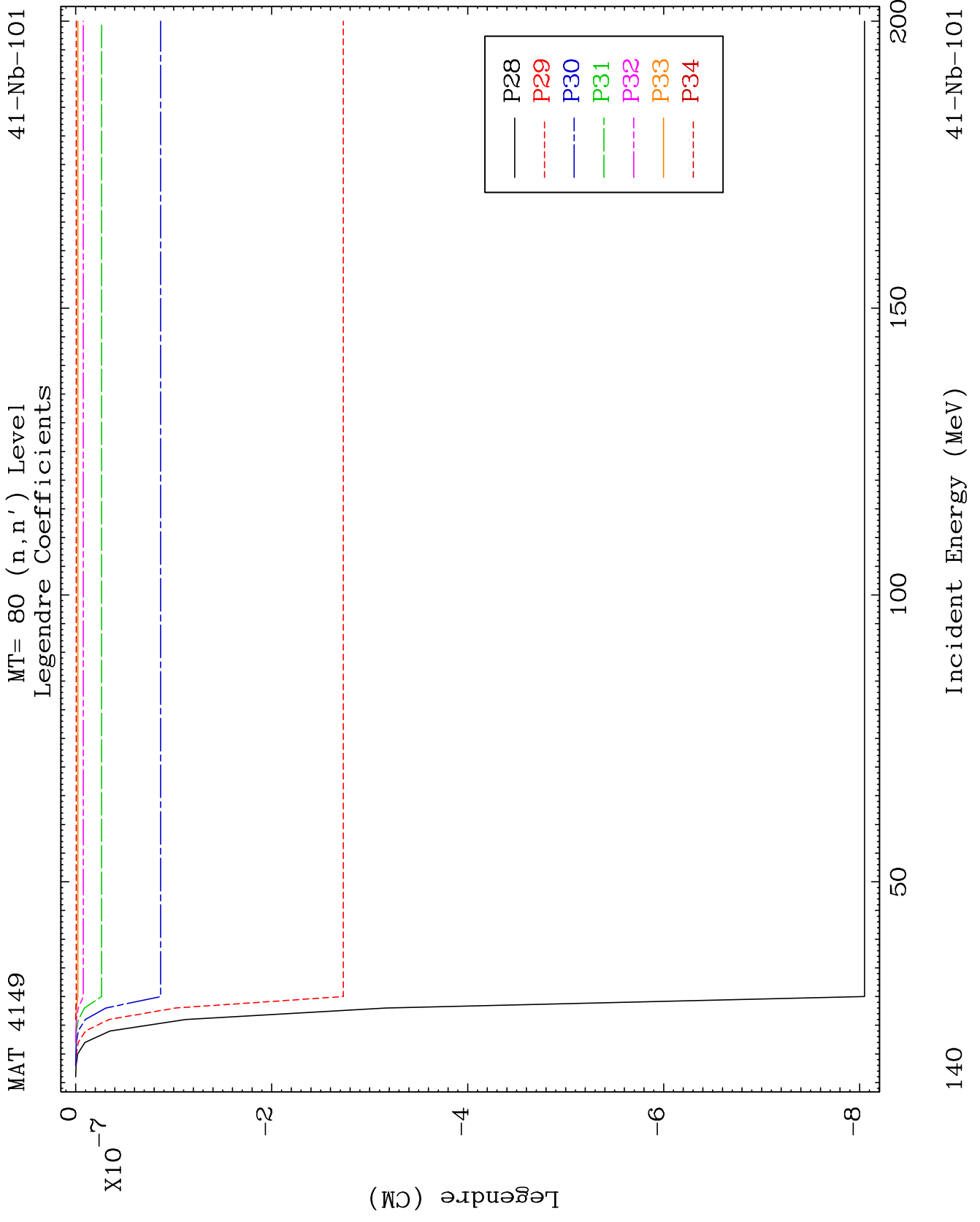
Legendre Coefficients

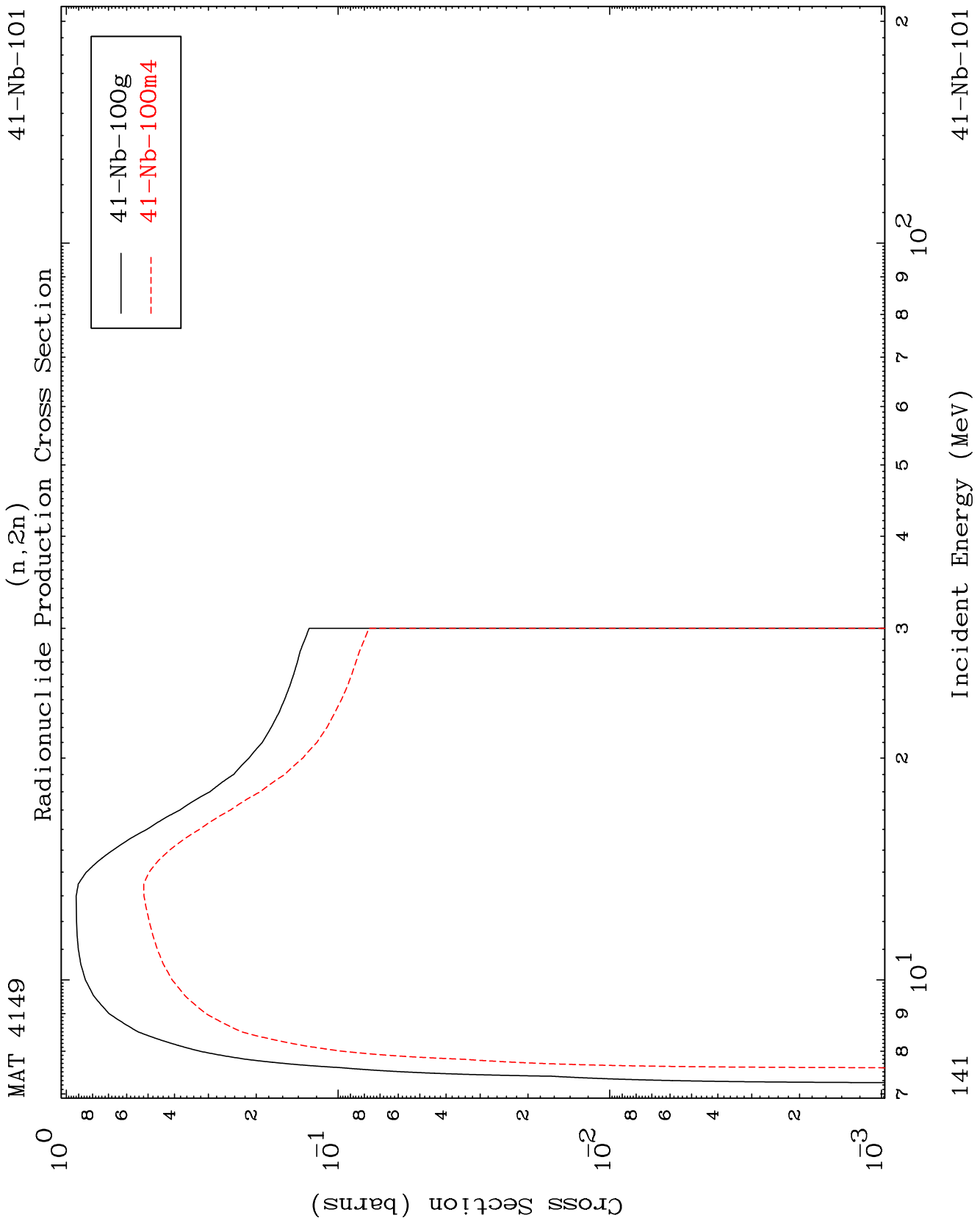


139

Incident Energy (MeV)

41-Nb-101

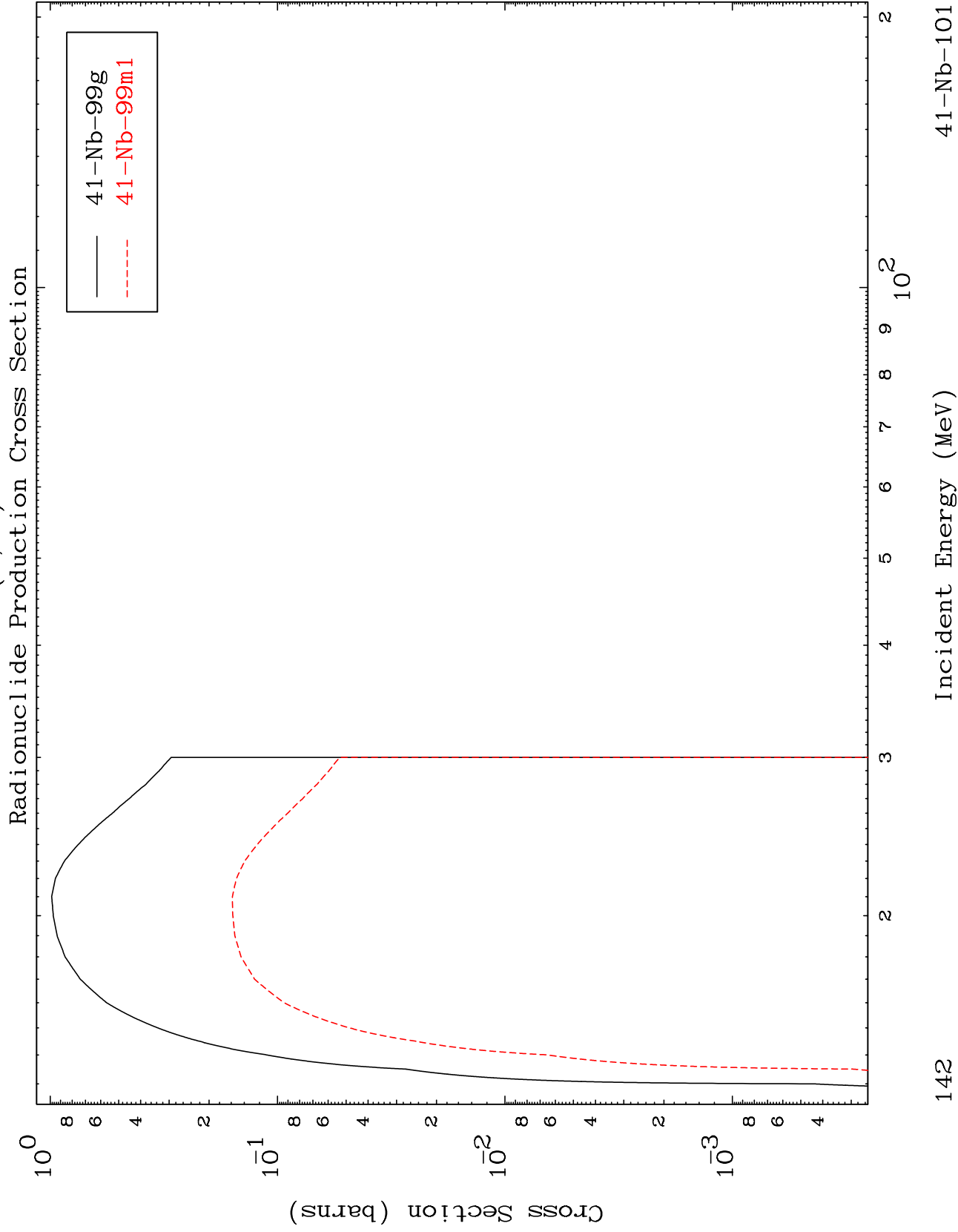




MAT 4149

(n,3n)

41-Nb-101



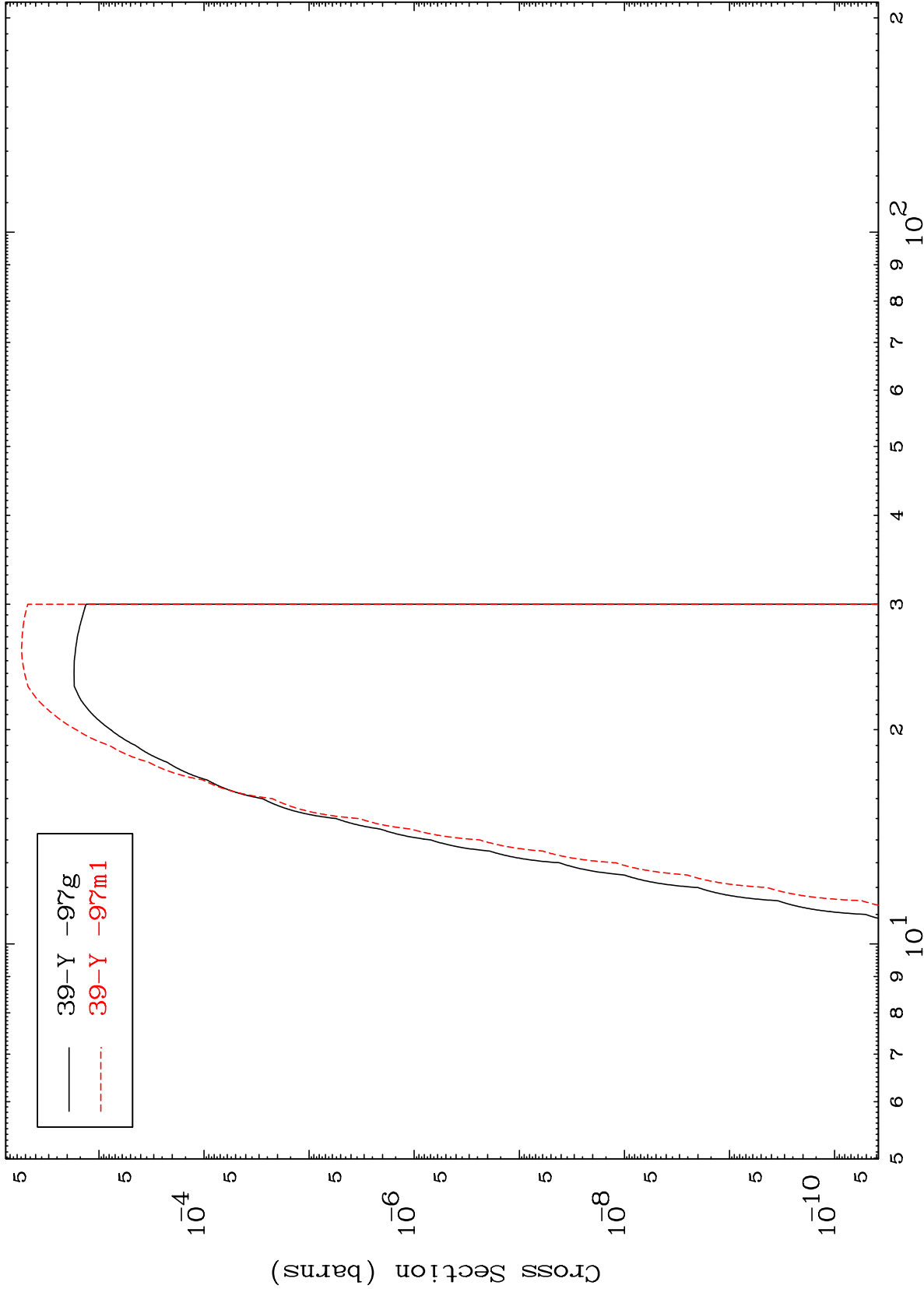
142

MAT 4149

41-Nb-101

(n,n')  $\alpha$

Radionuclide Production Cross Section



143

Incident Energy (MeV)

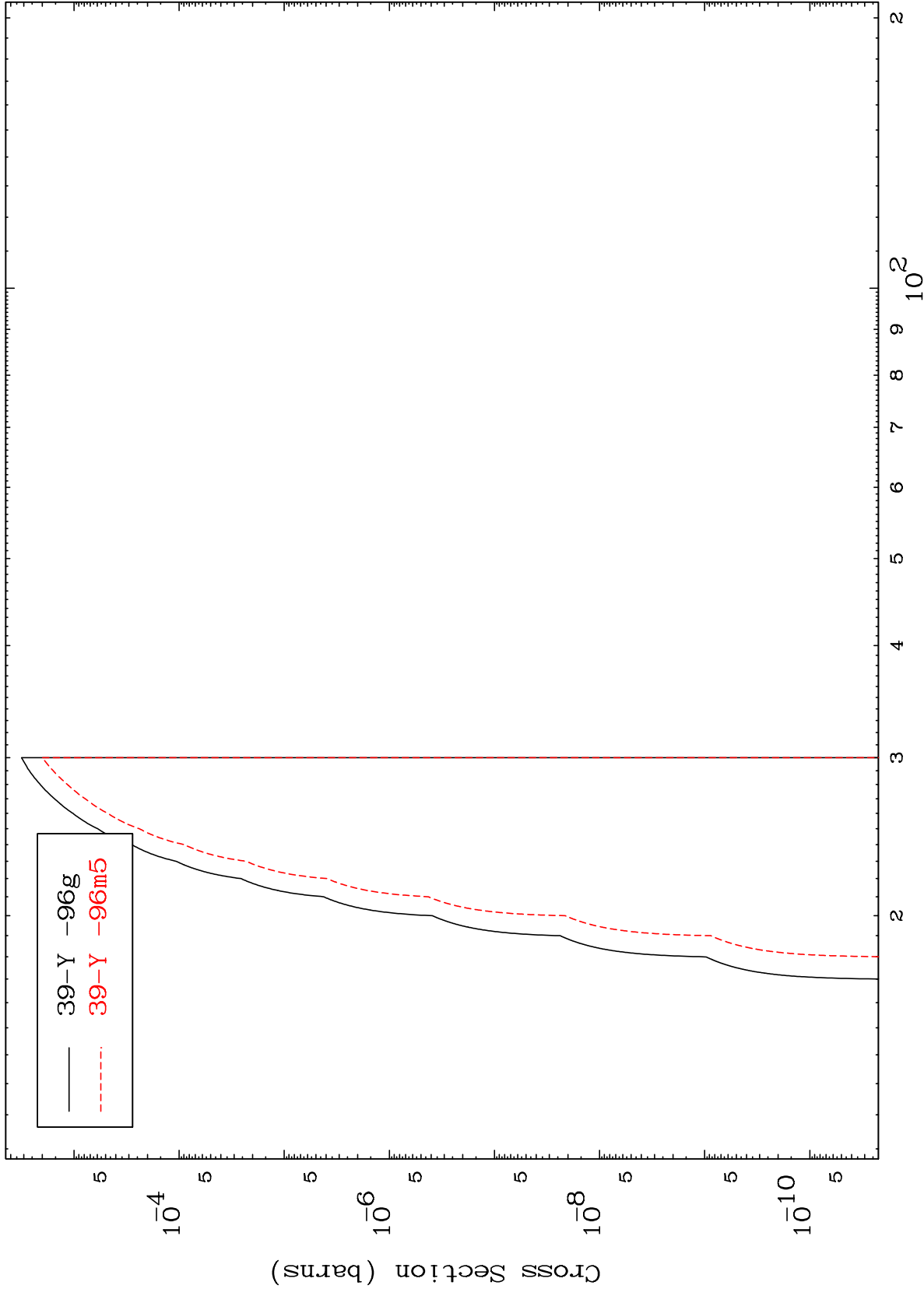
41-Nb-101



MAT 4149

41-Nb-101

(n,2n)  $\alpha$   
Radionuclide Production Cross Section



144

41-Nb-101

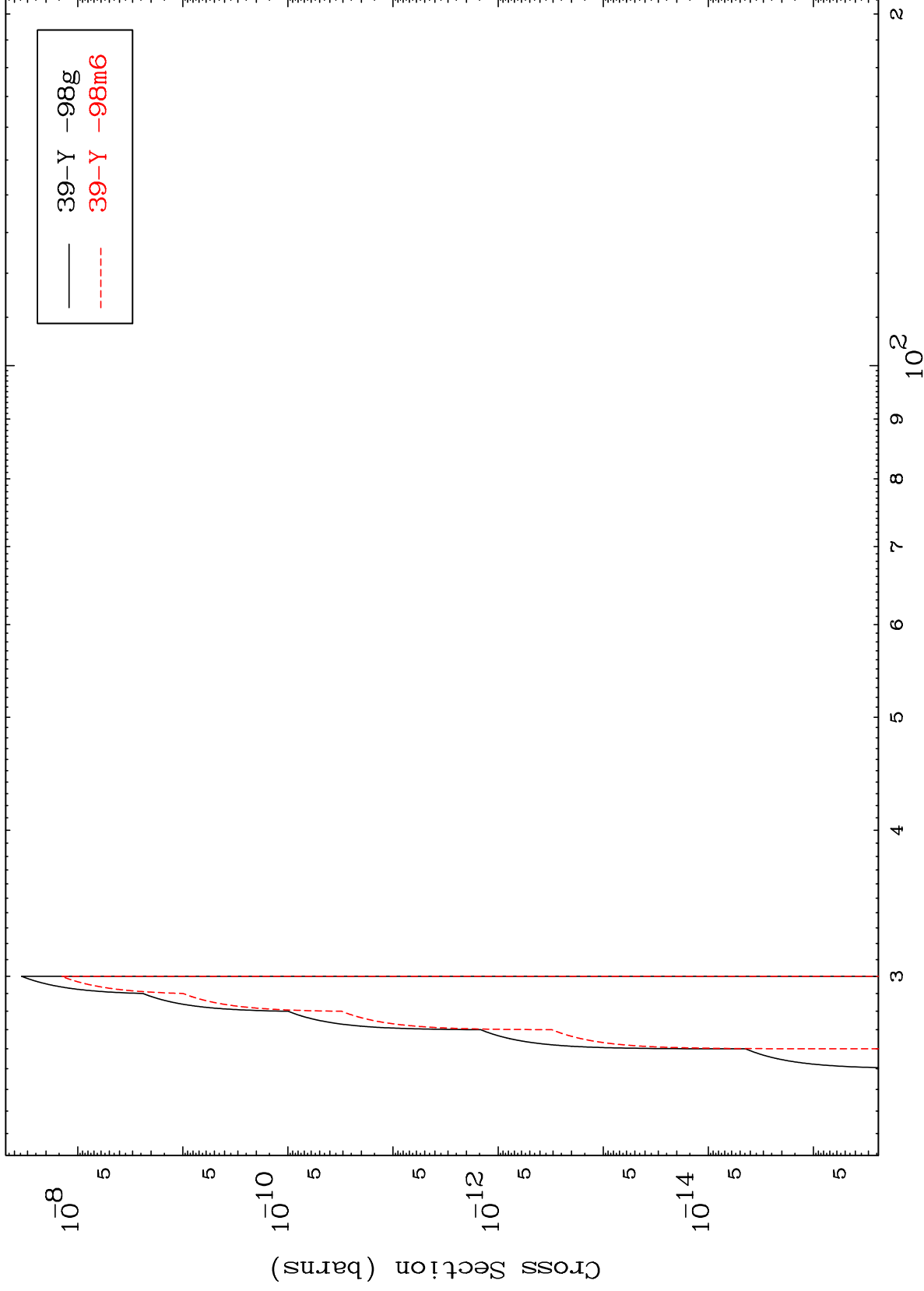
Incident Energy (MeV)

MAT 4149

(n,n') He-3

41-Nb-101

Radionuclide Production Cross Section



145

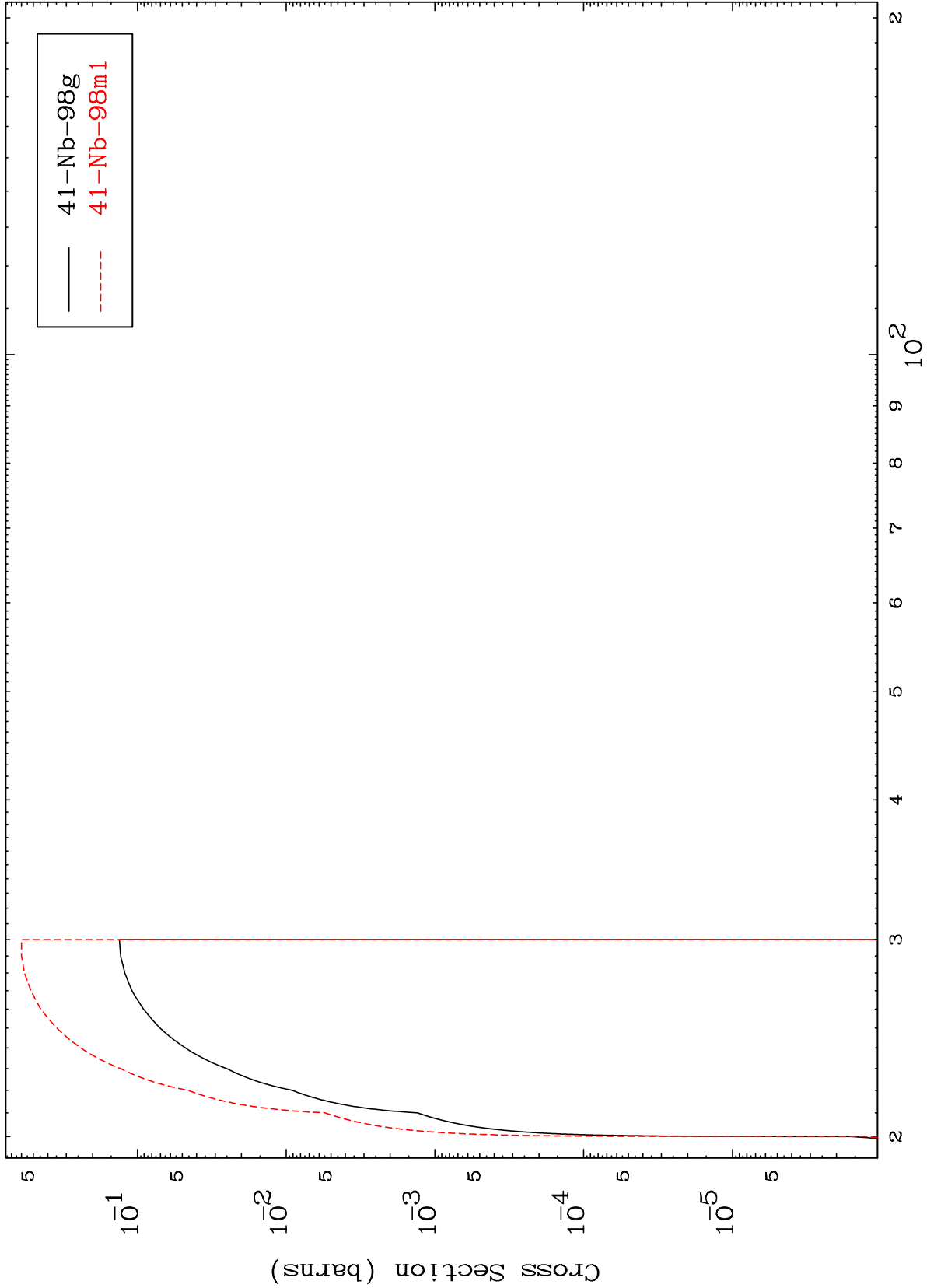
Incident Energy (MeV)

41-Nb-101

MAT 4149

41-Nb-101

(n,4n)  
Radionuclide Production Cross Section



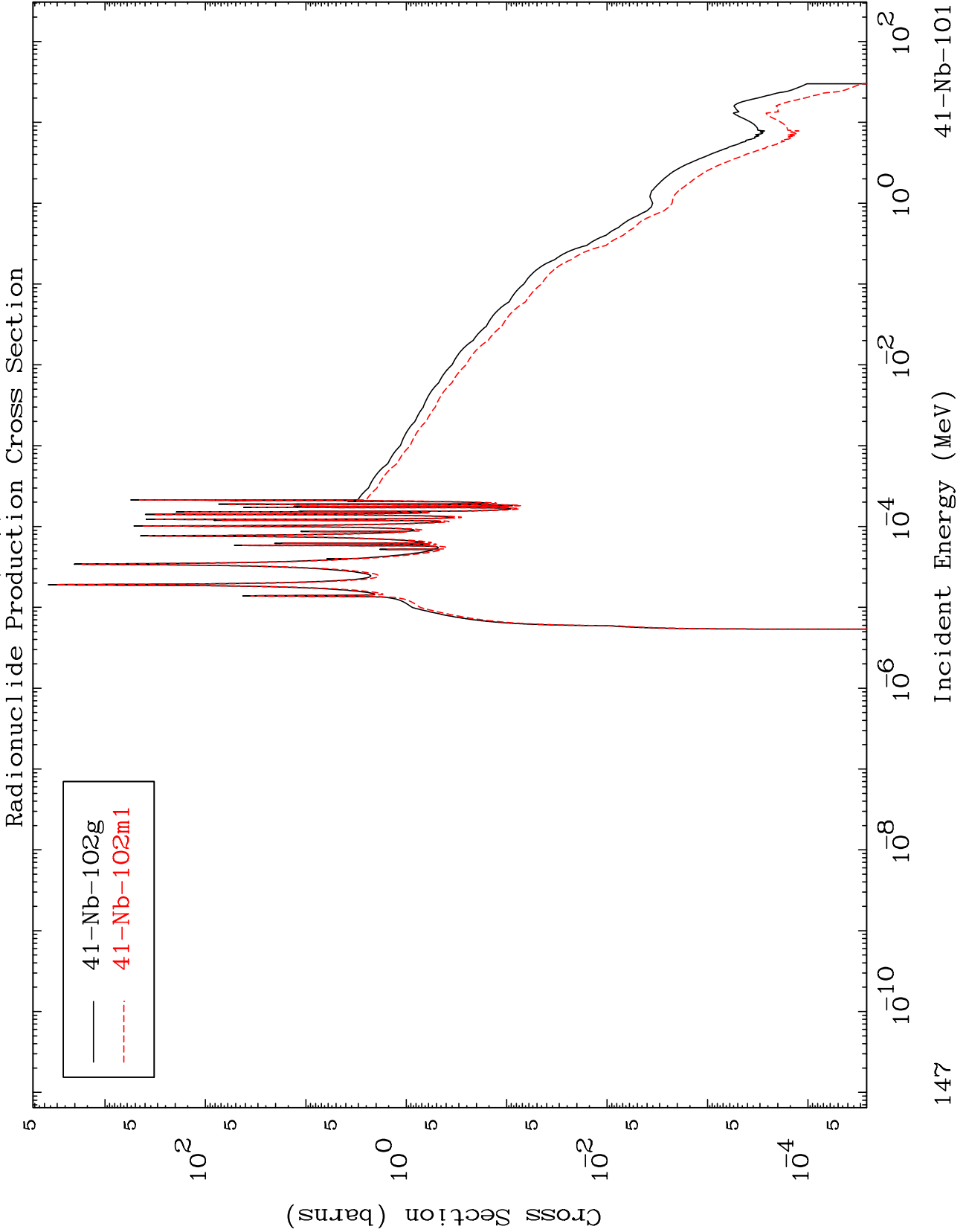
41-Nb-101

Incident Energy (MeV)

146

MAT 4149

41-Nb-101

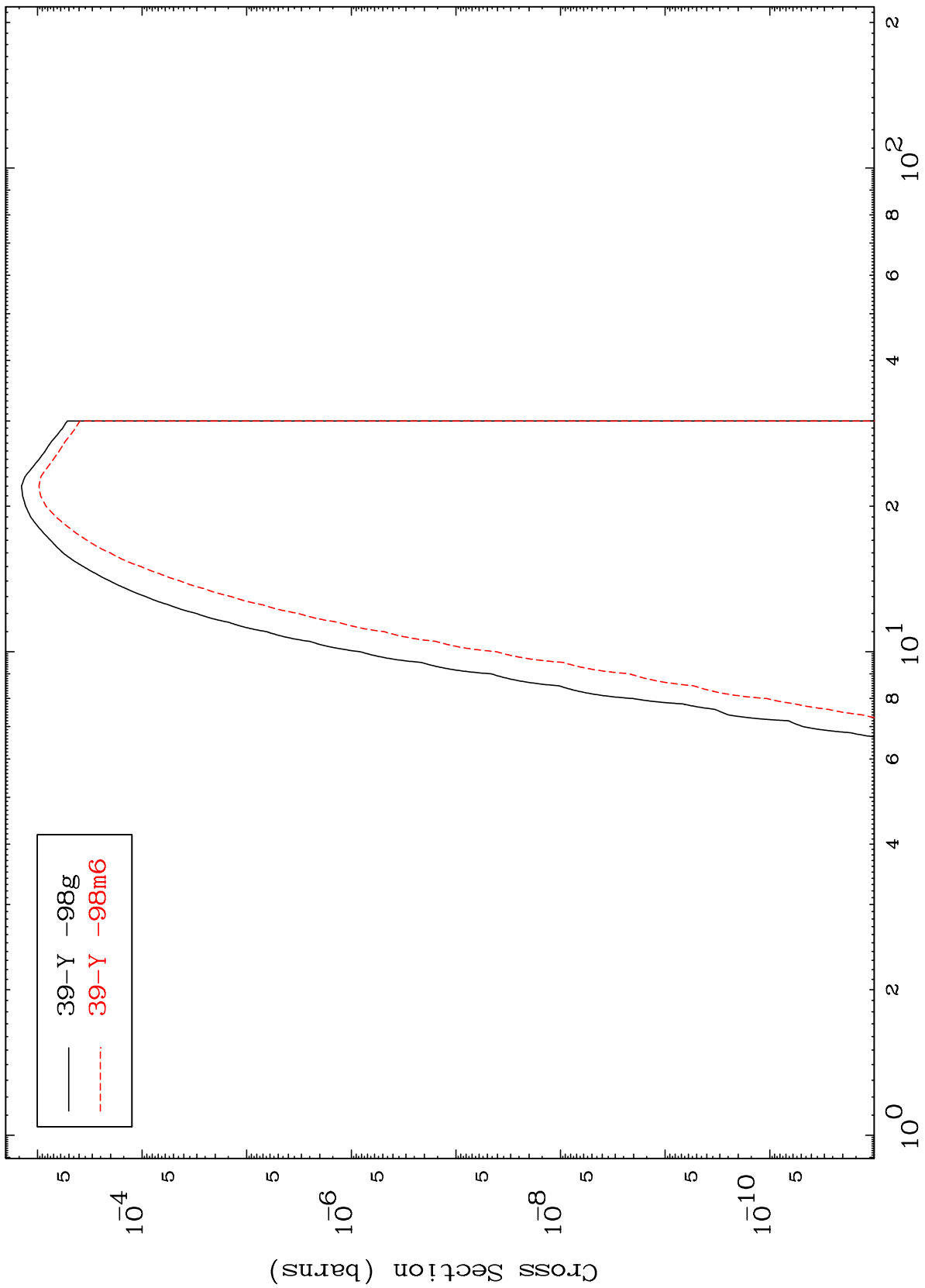


147

MAT 4149

41-Nb-101

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



— 39-Y -98g  
- - - 39-Y -98m6

41-Nb-101

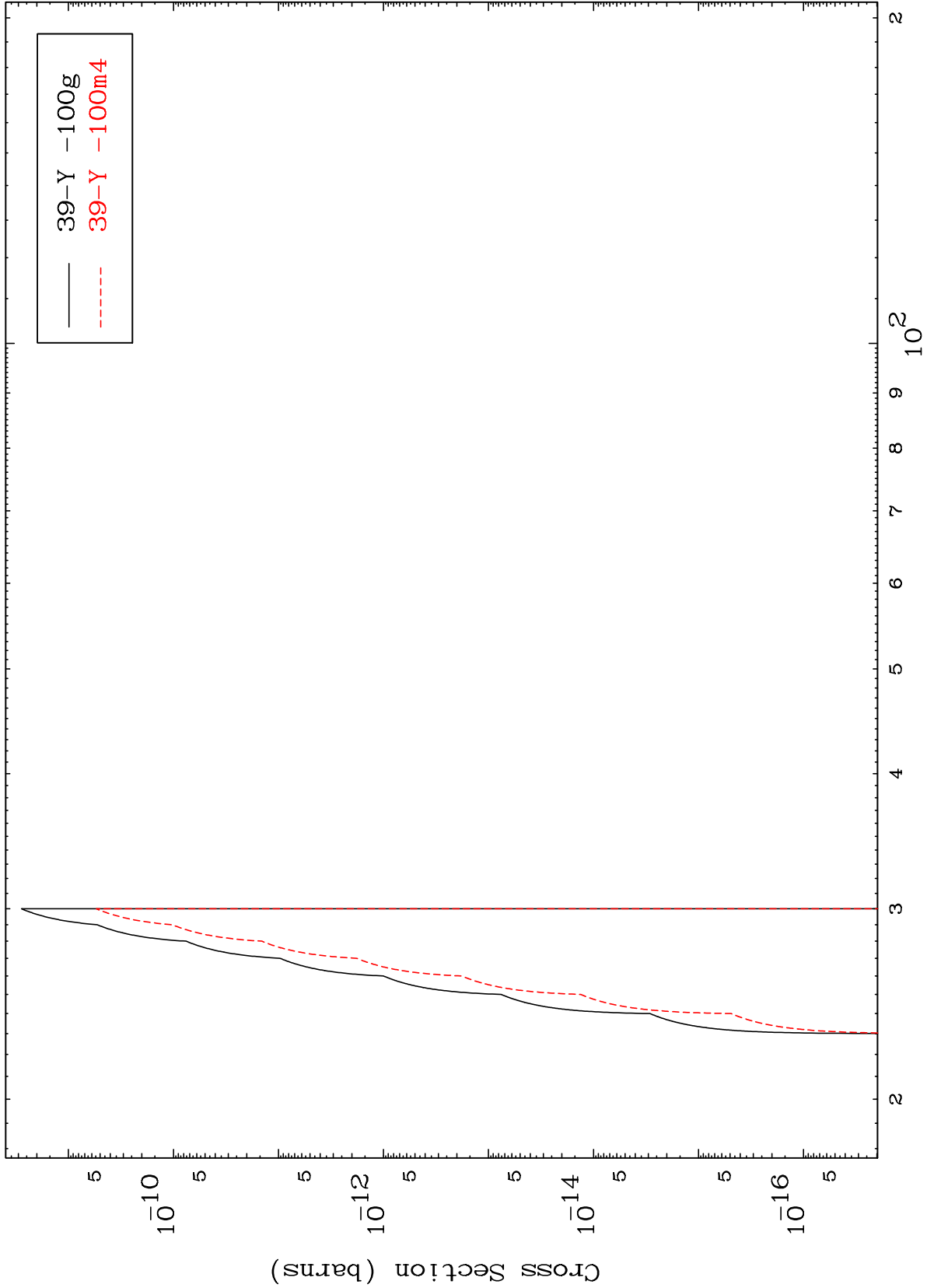
Incident Energy (MeV)

148

MAT 4149

41-Nb-101

(n,2p)  
Radionuclide Production Cross Section



149

Incident Energy (MeV)

41-Nb-101