

Program EVALPLOT  
(Version 2018-1)

by

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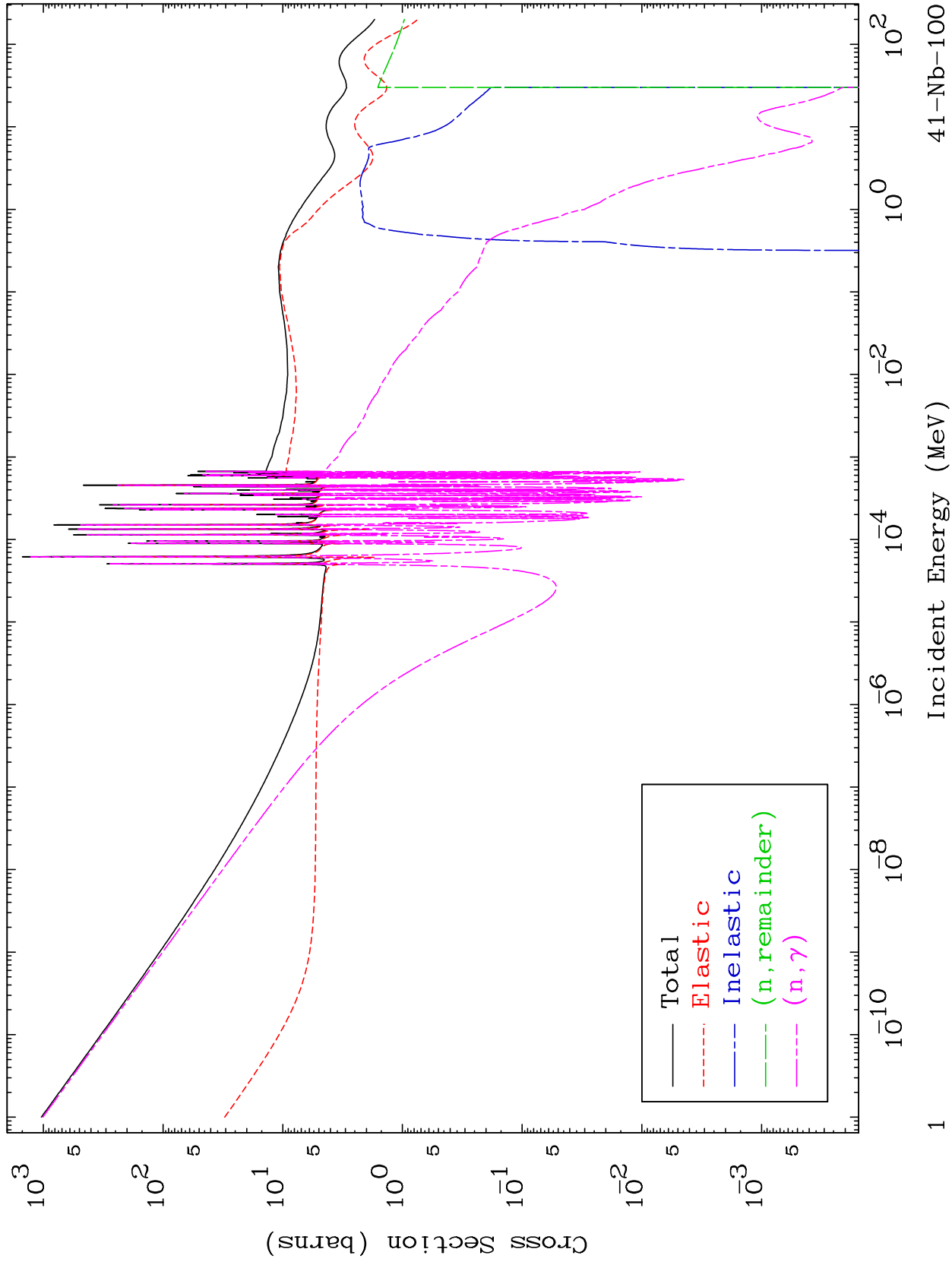
Press Mouse Button to Start

MAT 4146

Major

293 Kelvin Cross Sections

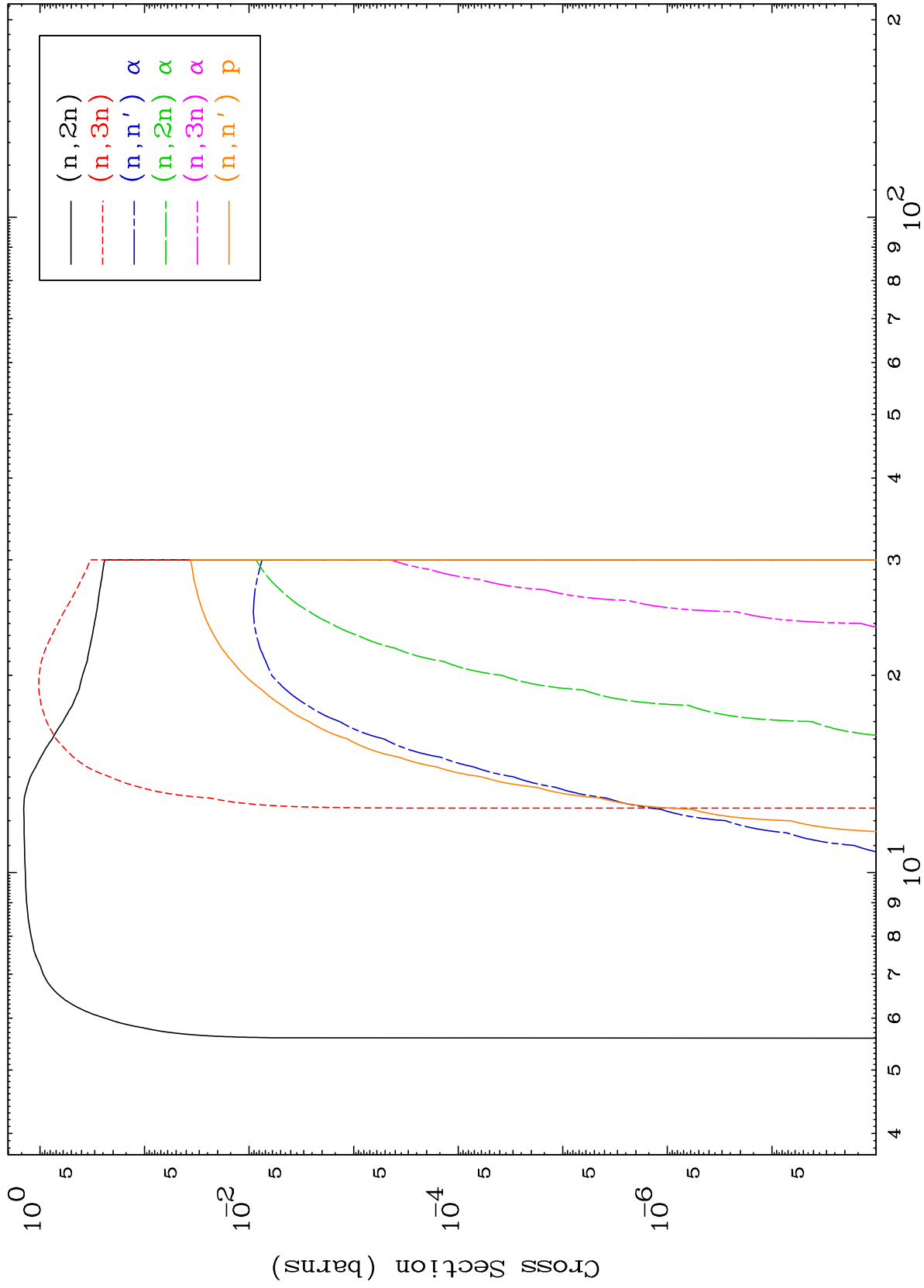
41-Nb-100



MAT 4146

Neutron Production  
293 Kelvin Cross Sections

41-Nb-100



2

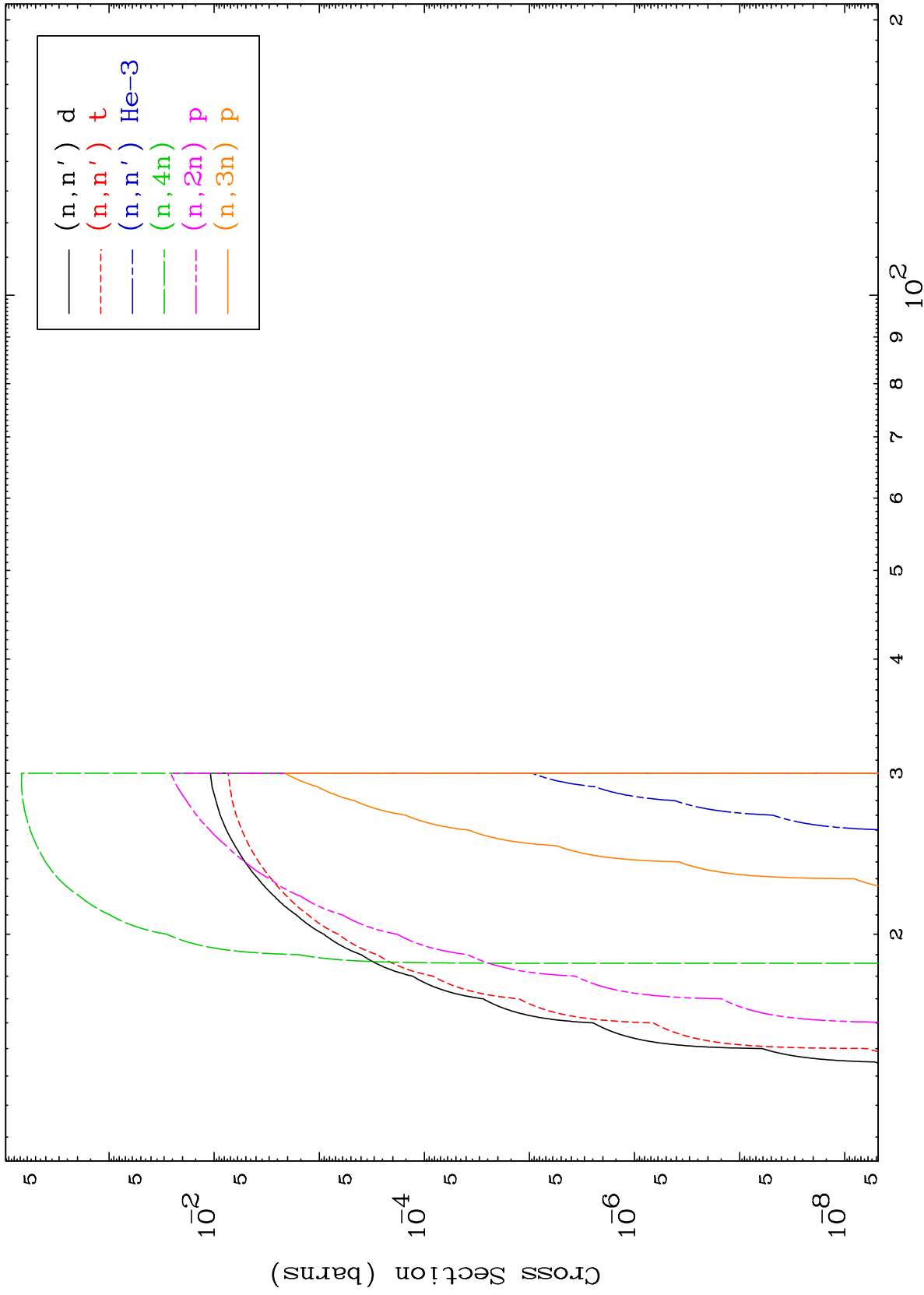
Incident Energy (MeV)

41-Nb-100

MAT 4146

Neutron Production  
293 Kelvin Cross Sections

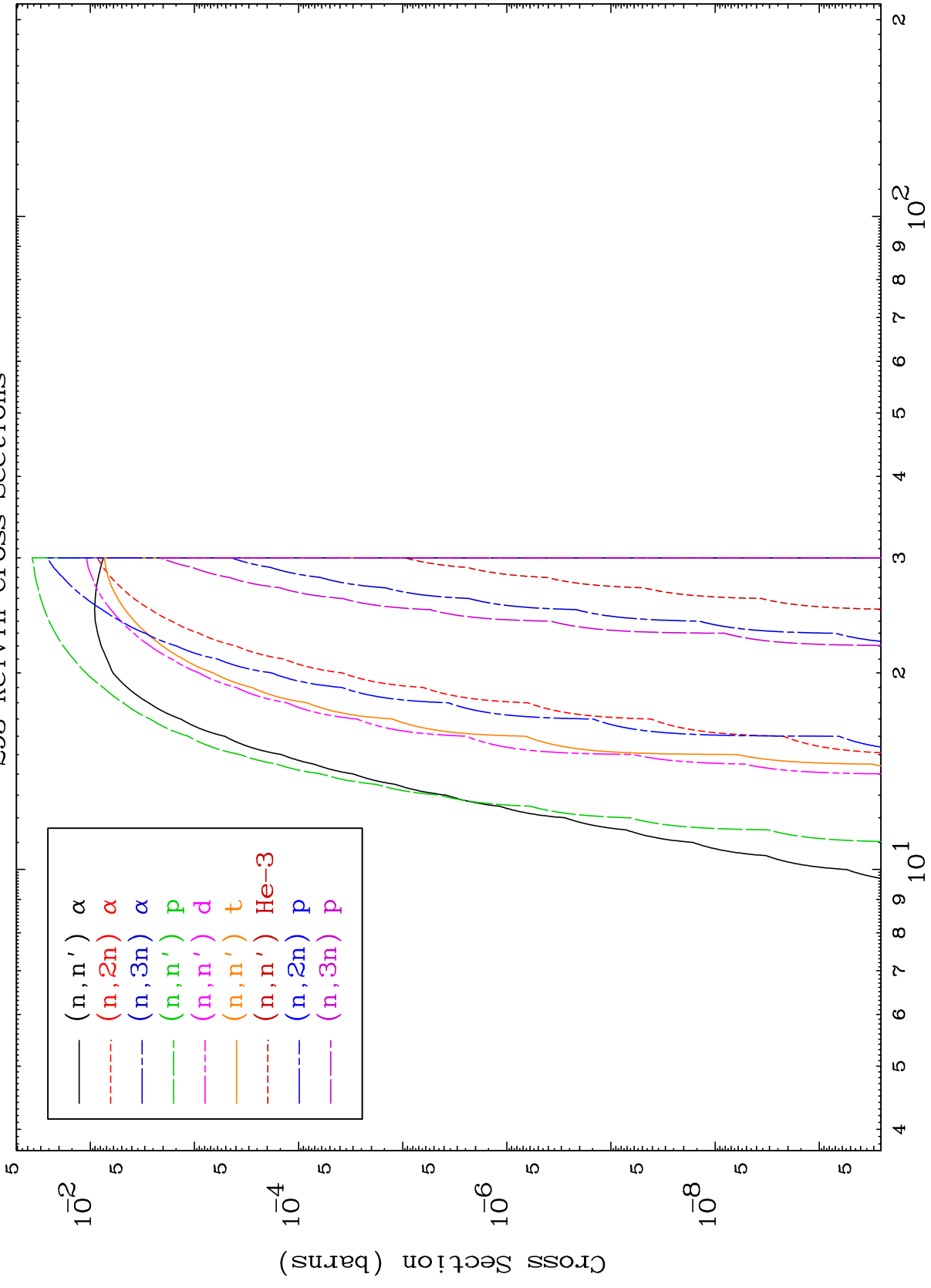
41-Nb-100



3

Incident Energy (MeV)

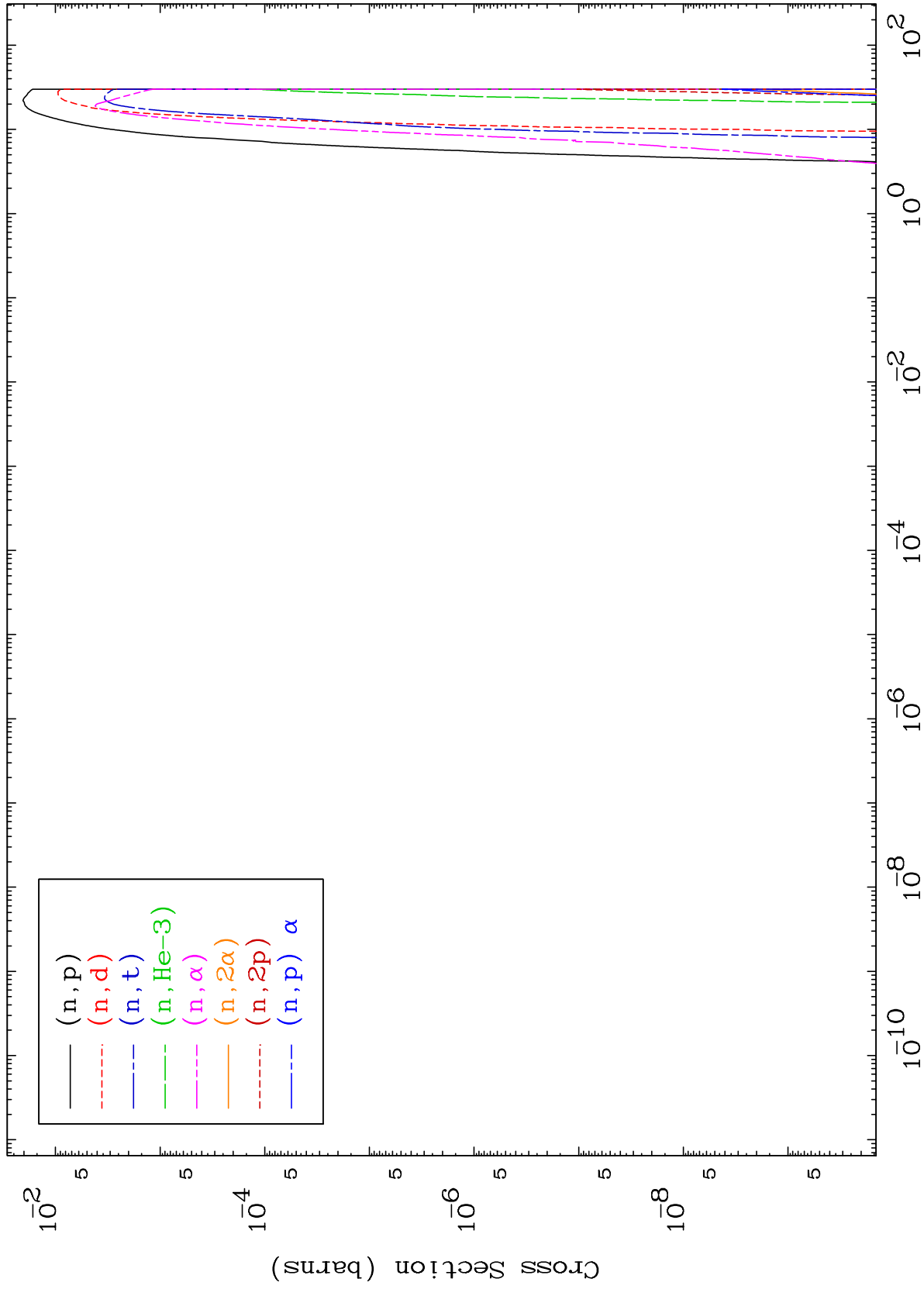
41-Nb-100



MAT 4146

Charged Particle  
293 Kelvin Cross Sections

41-Nb-100

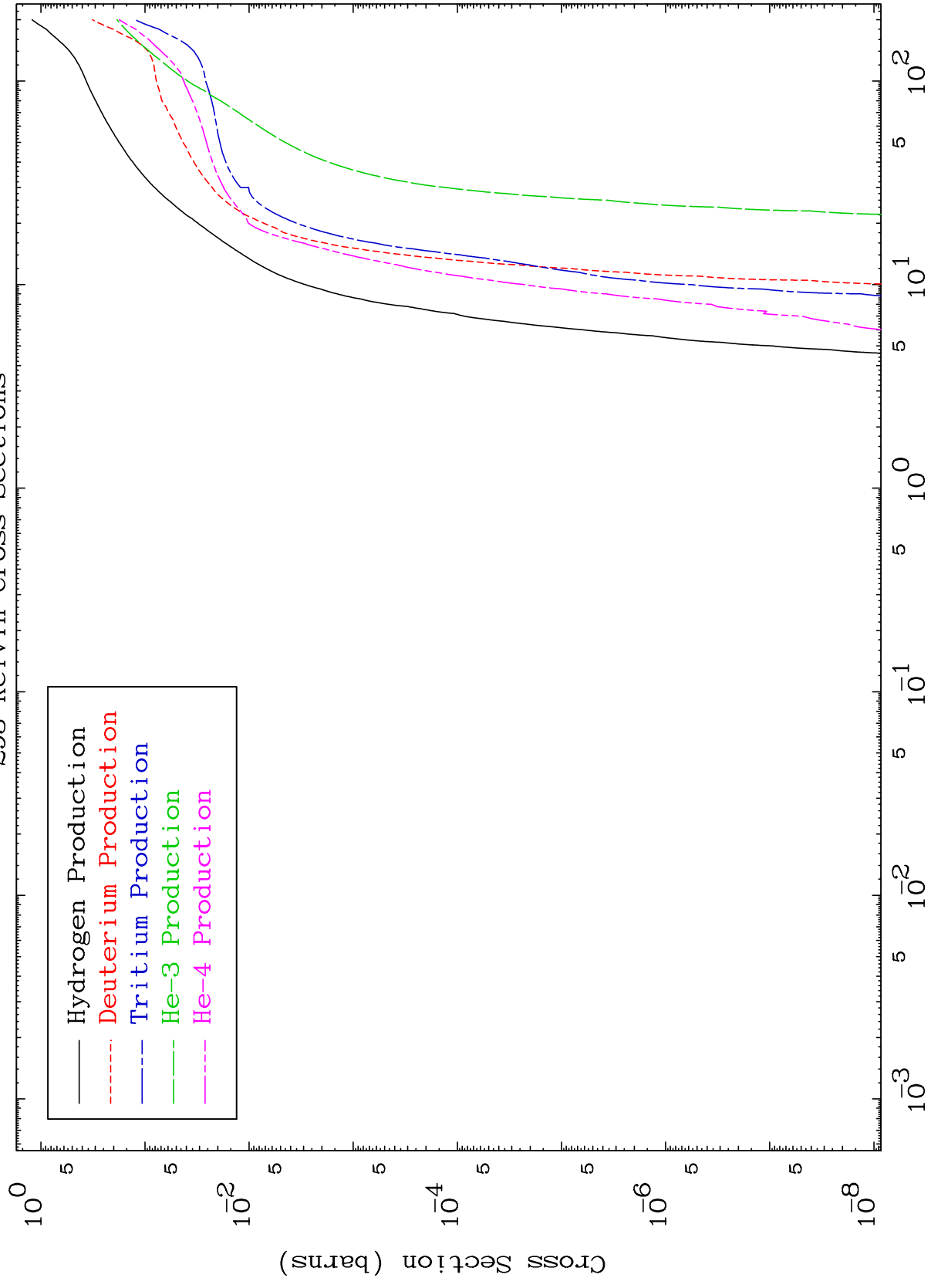


5

MAT 4146

Particle Production  
293 Kelvin Cross Sections

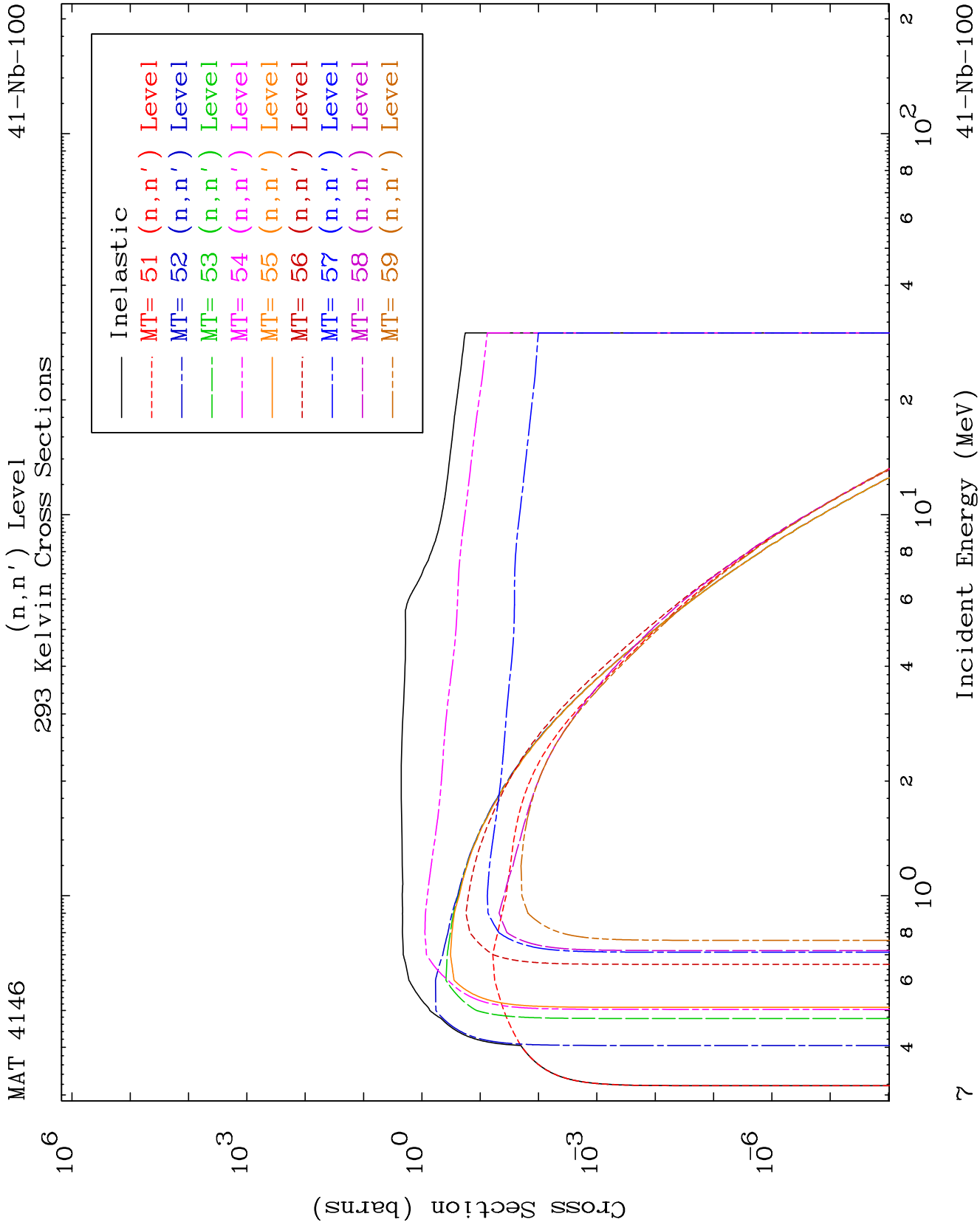
41-Nb-100



6

Incident Energy (MeV)

41-Nb-100

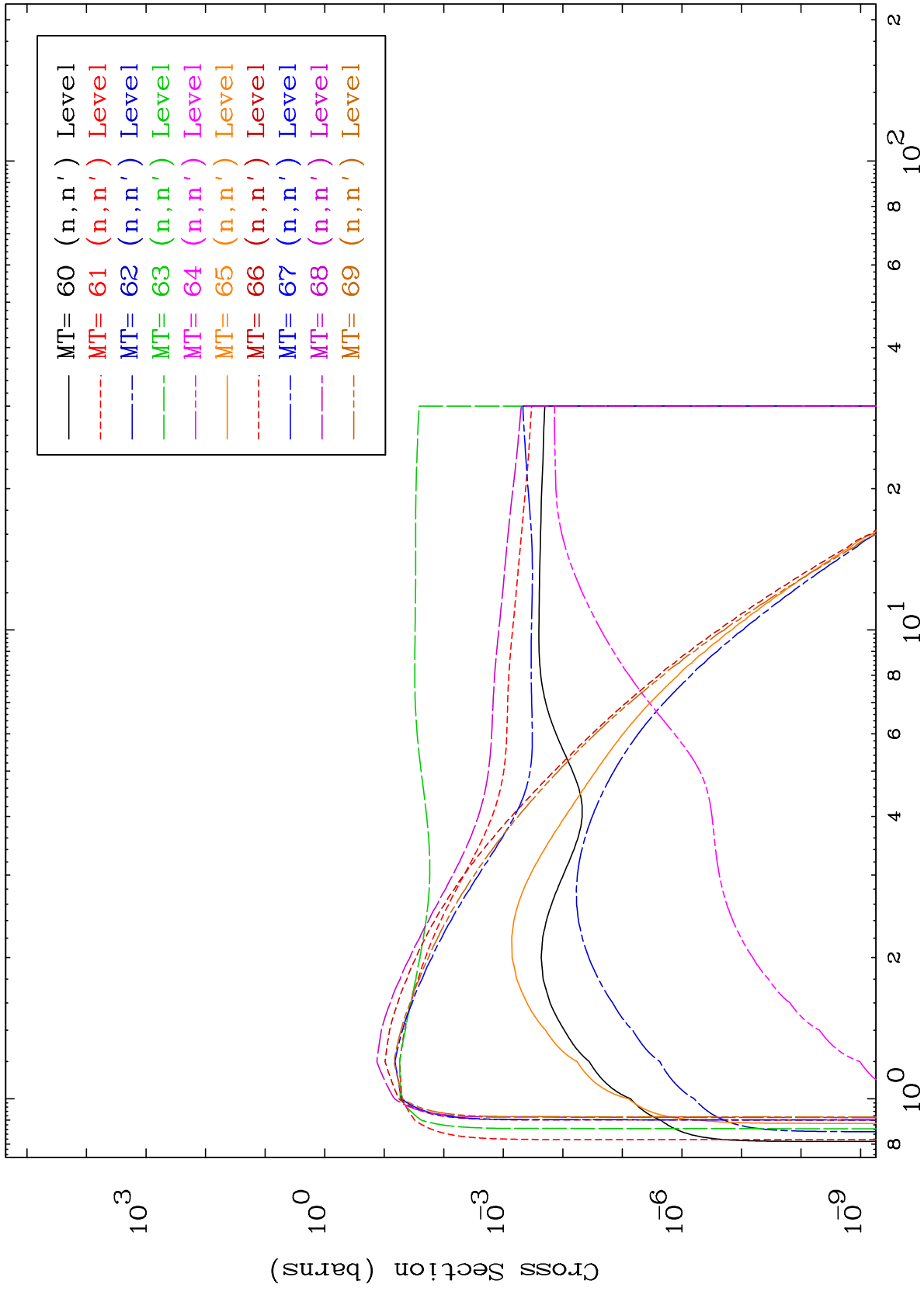




MAT 4146

(n,n') Level  
293 Kelvin Cross Sections

41-Nb-100



Incident Energy (MeV)

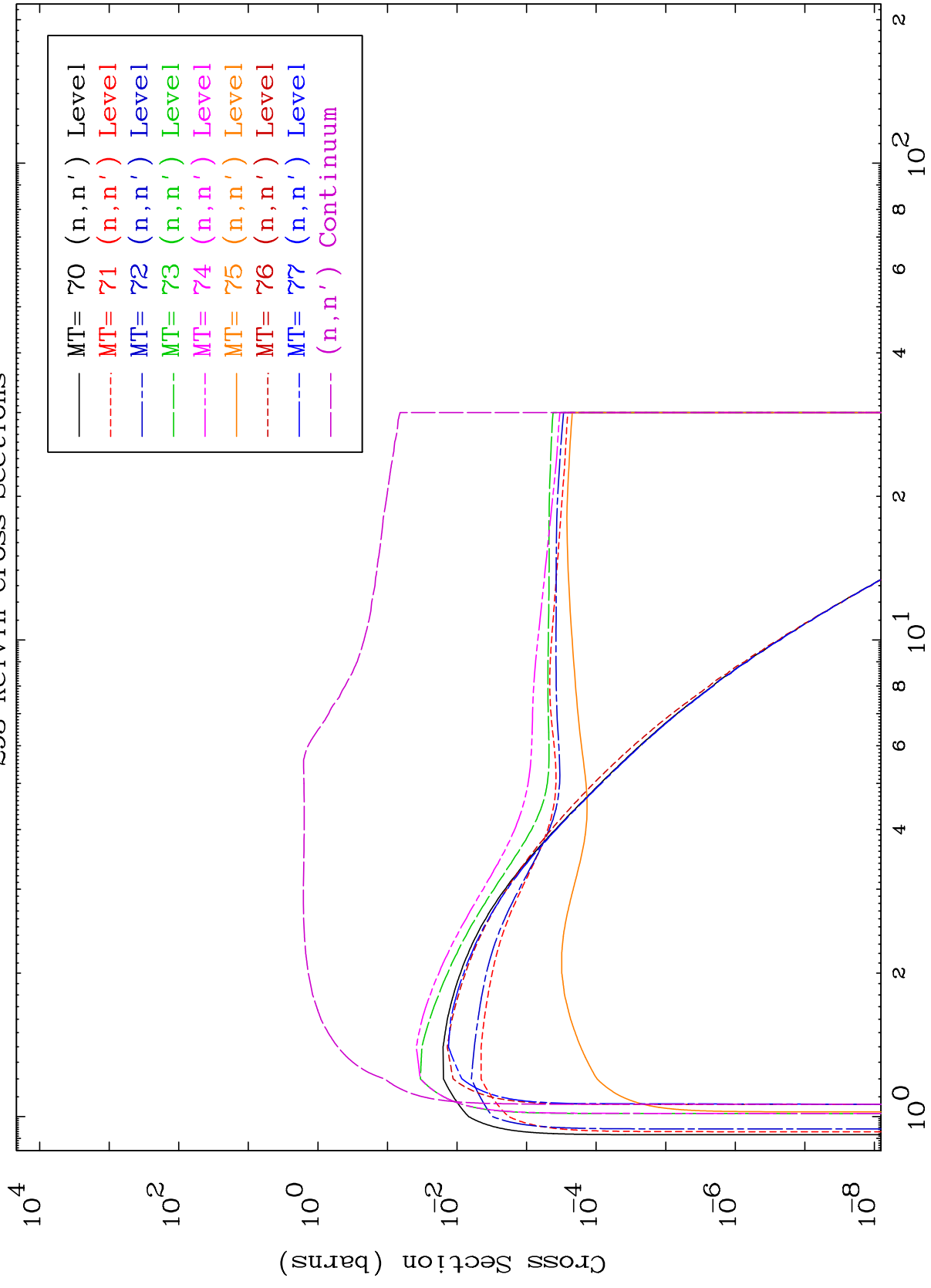
41-Nb-100

MAT 4146

(n,n') Level

41-Nb-100

293 Kelvin Cross Sections



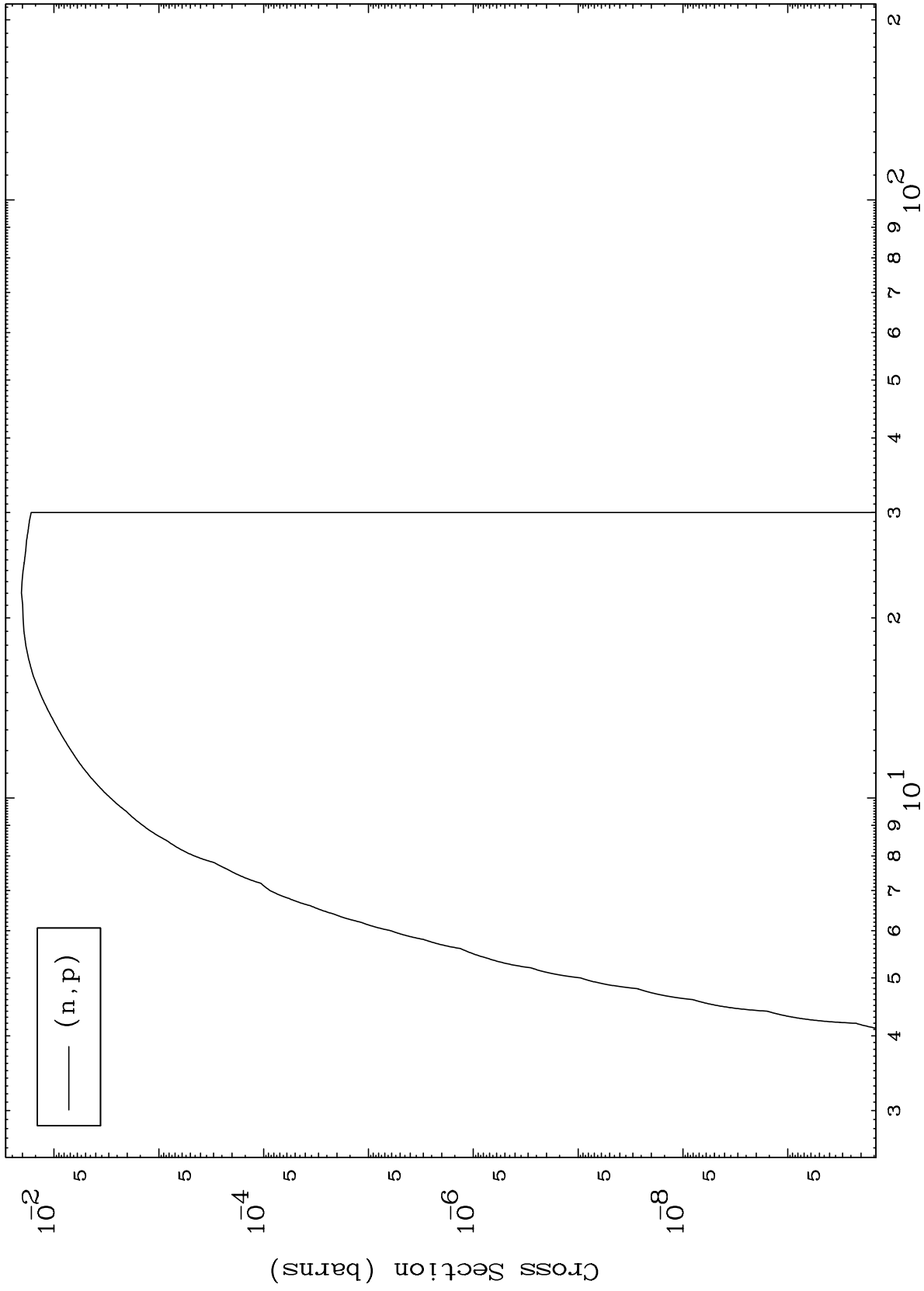
Incident Energy (MeV)

41-Nb-100

MAT 4146

(n,p) Levels  
293 Kelvin Cross Sections

41-Nb-100



10

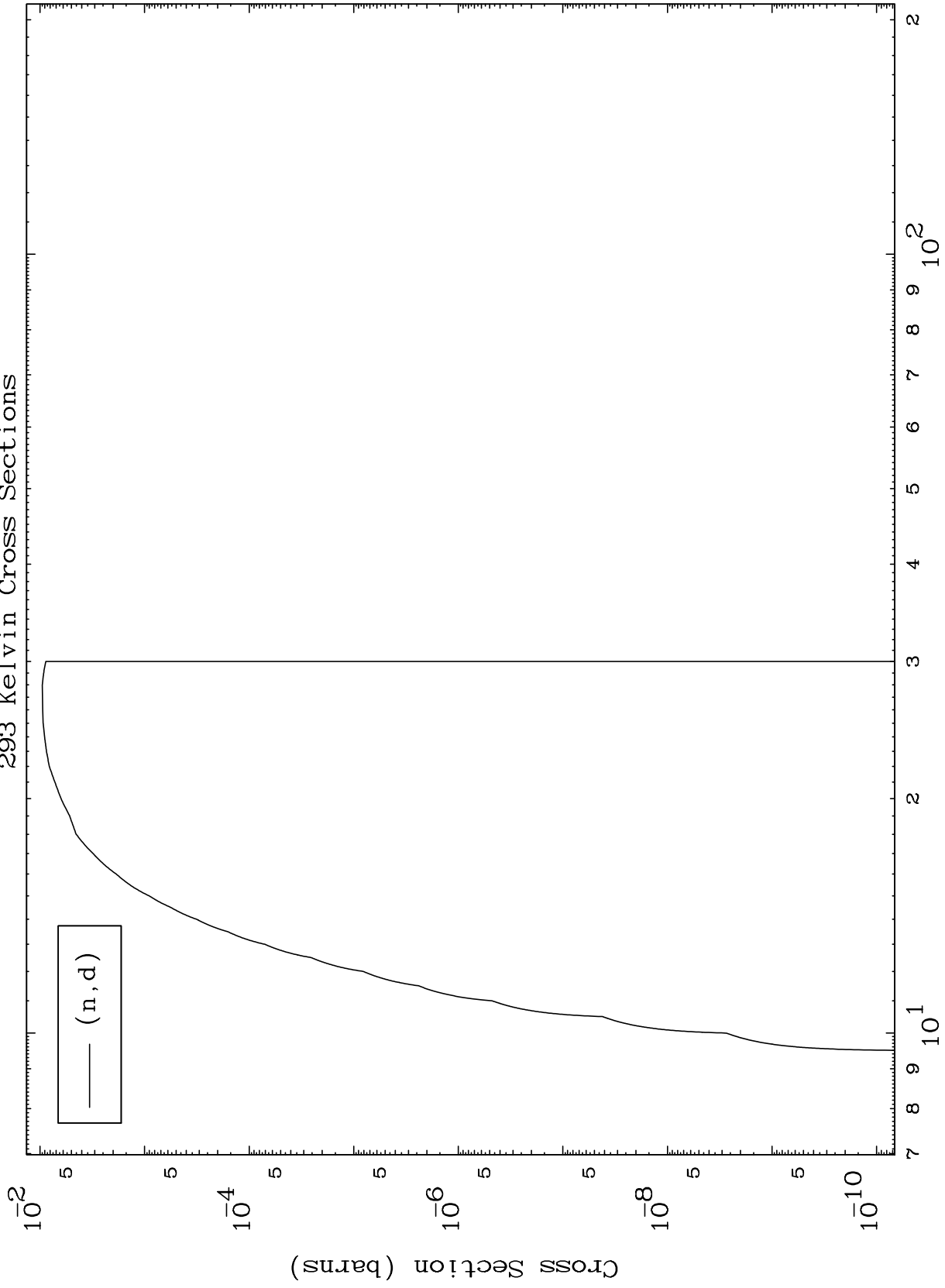
Incident Energy (MeV)

41-Nb-100

MAT 4146

(n,d) Levels  
293 Kelvin Cross Sections

41-Nb-100



11

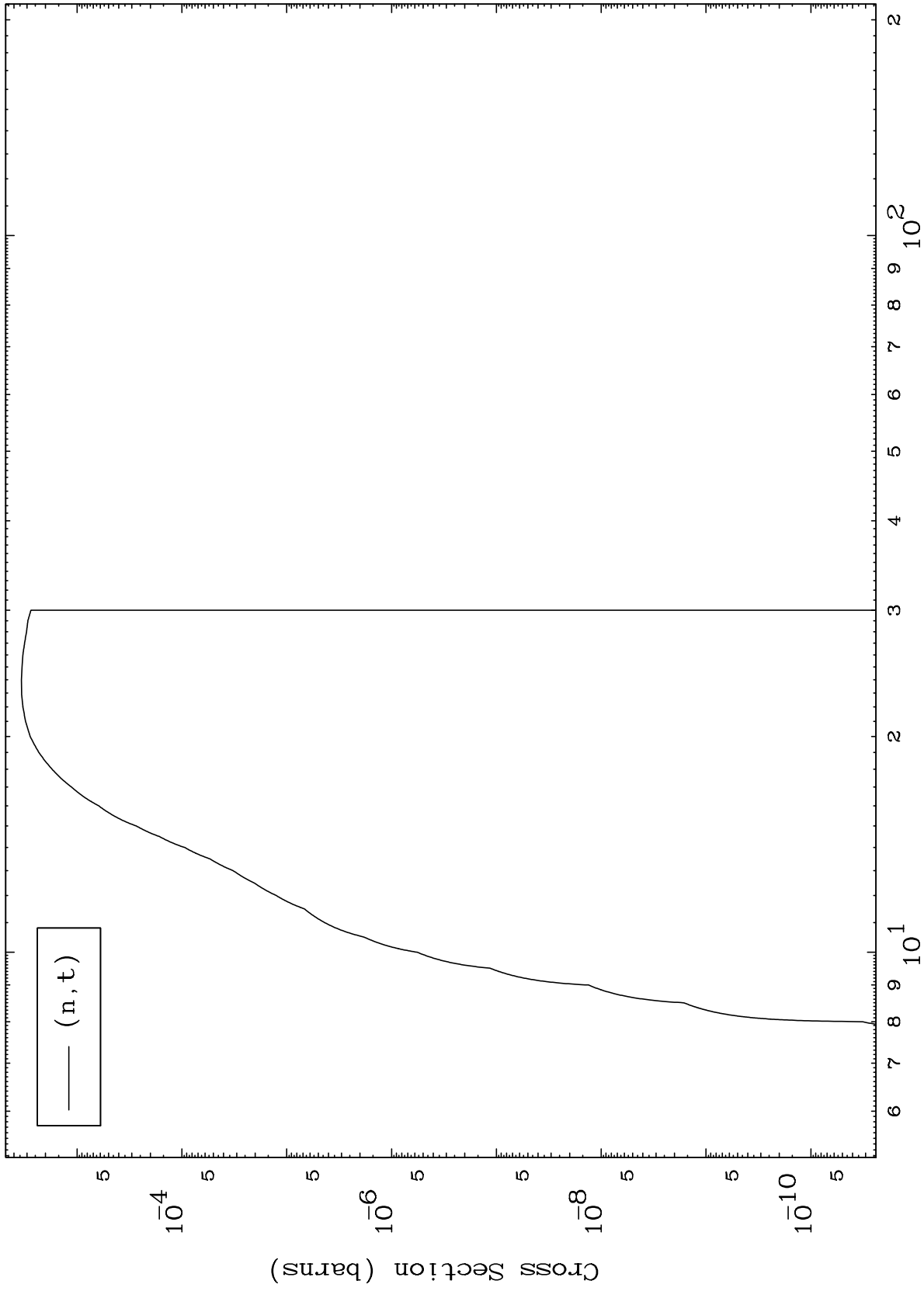
Incident Energy (MeV)

41-Nb-100

MAT 4146

(n,t) Levels  
293 Kelvin Cross Sections

41-Nb-100



12

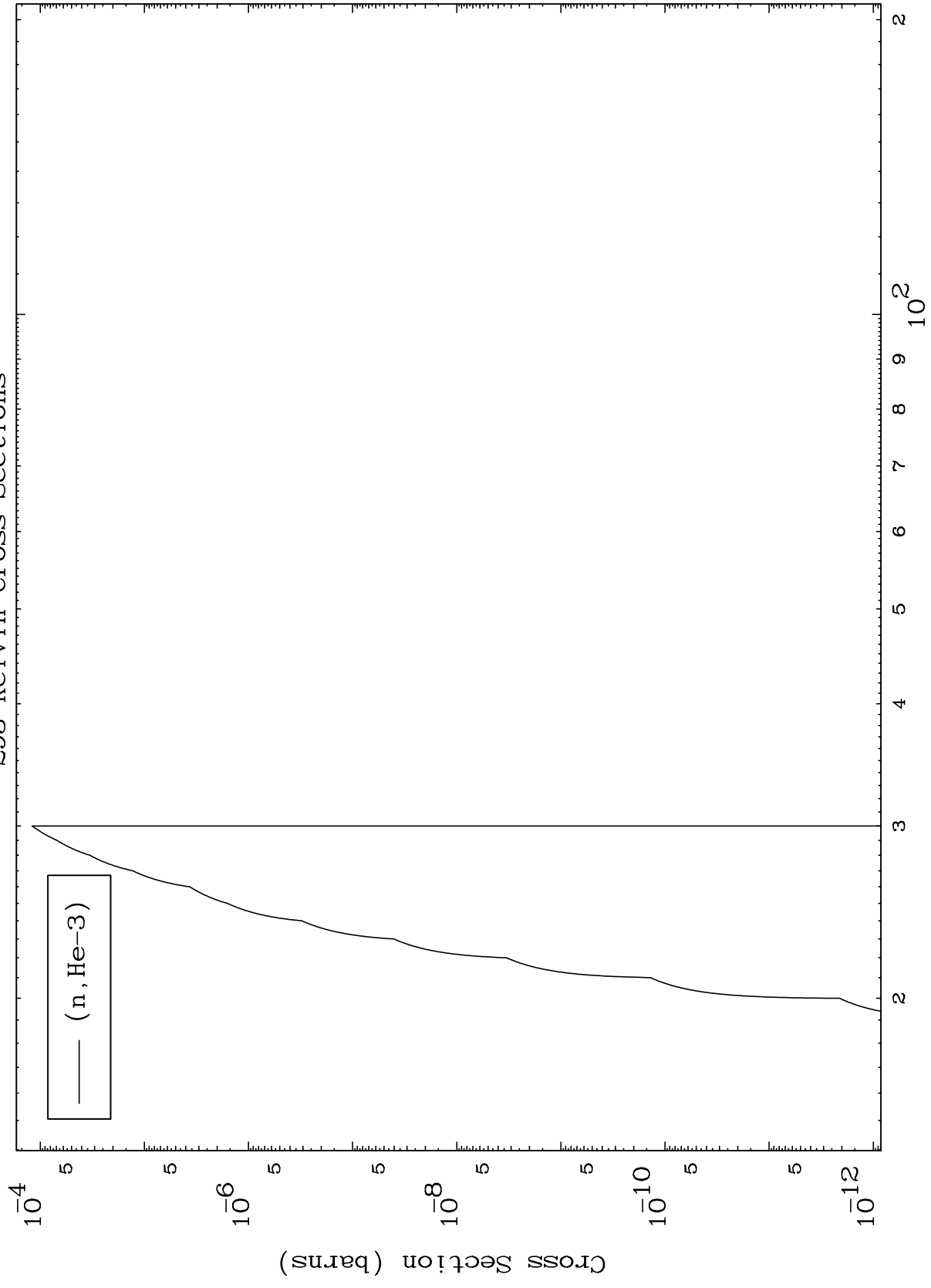
Incident Energy (MeV)

41-Nb-100

MAT 4146

(n,He3) Levels  
293 Kelvin Cross Sections

41-Nb-100



13

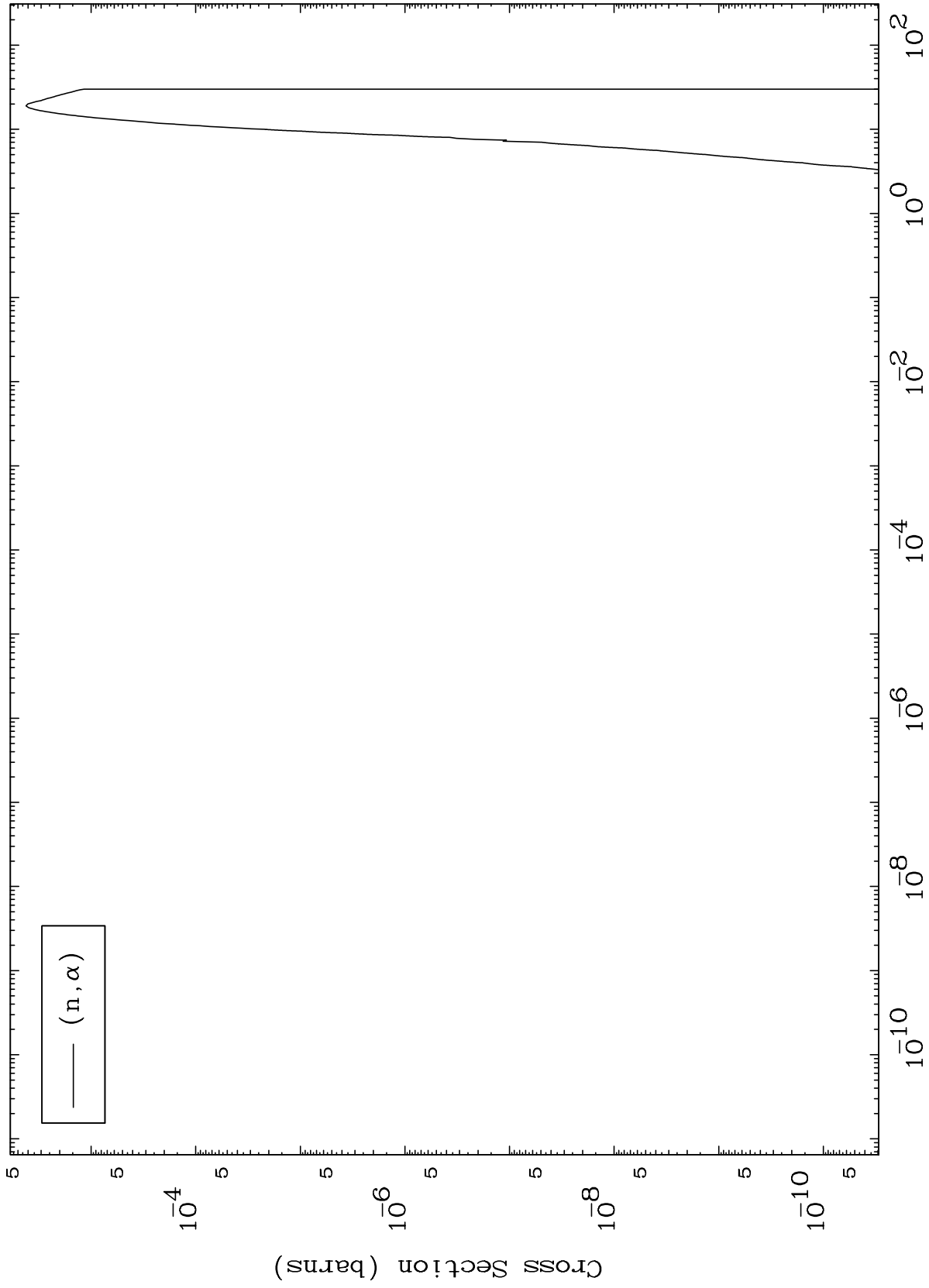
Incident Energy (MeV)

41-Nb-100

MAT 4146

(n,α) Levels  
293 Kelvin Cross Sections

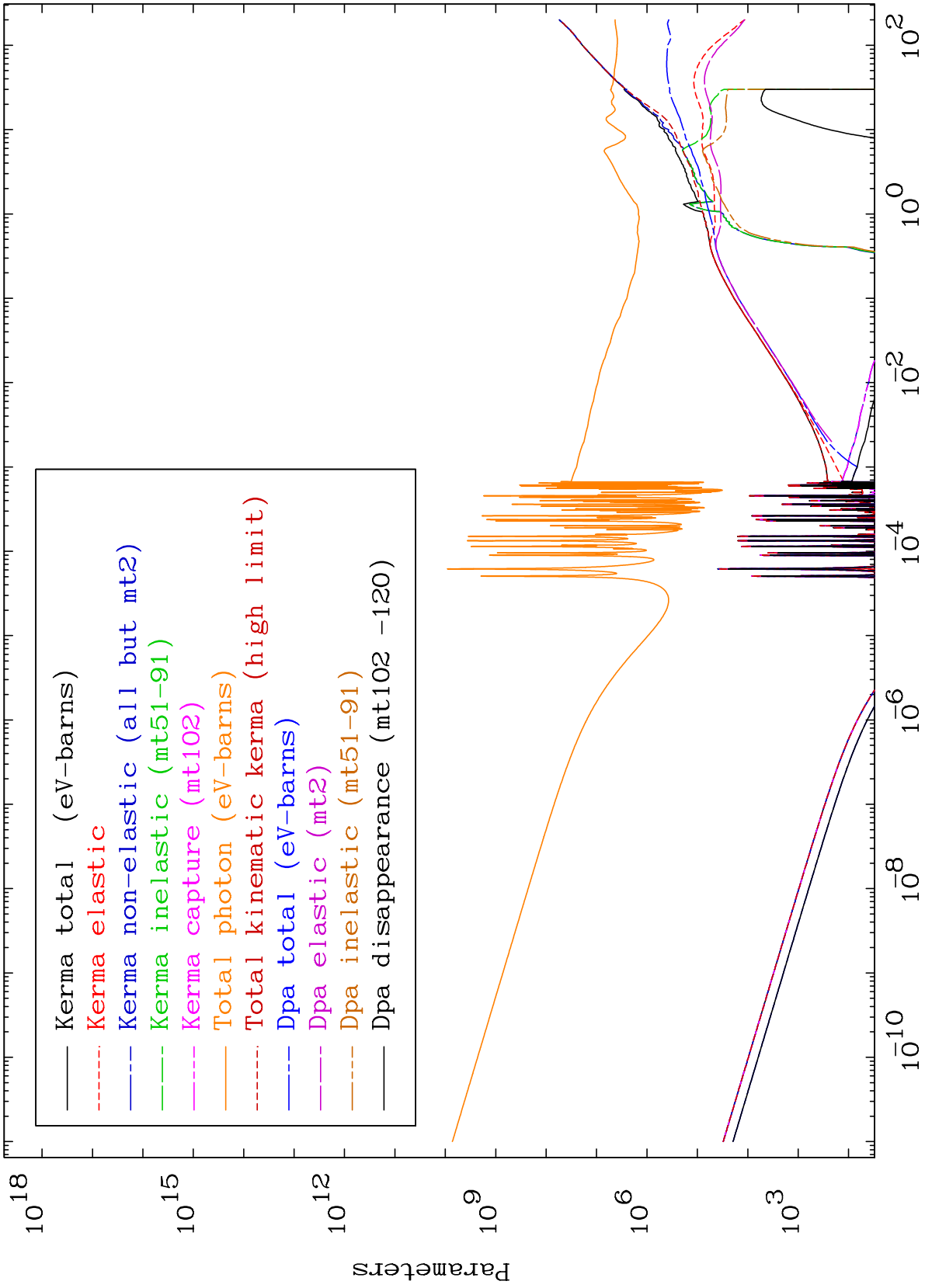
41-Nb-100



14

Incident Energy (MeV)

41-Nb-100

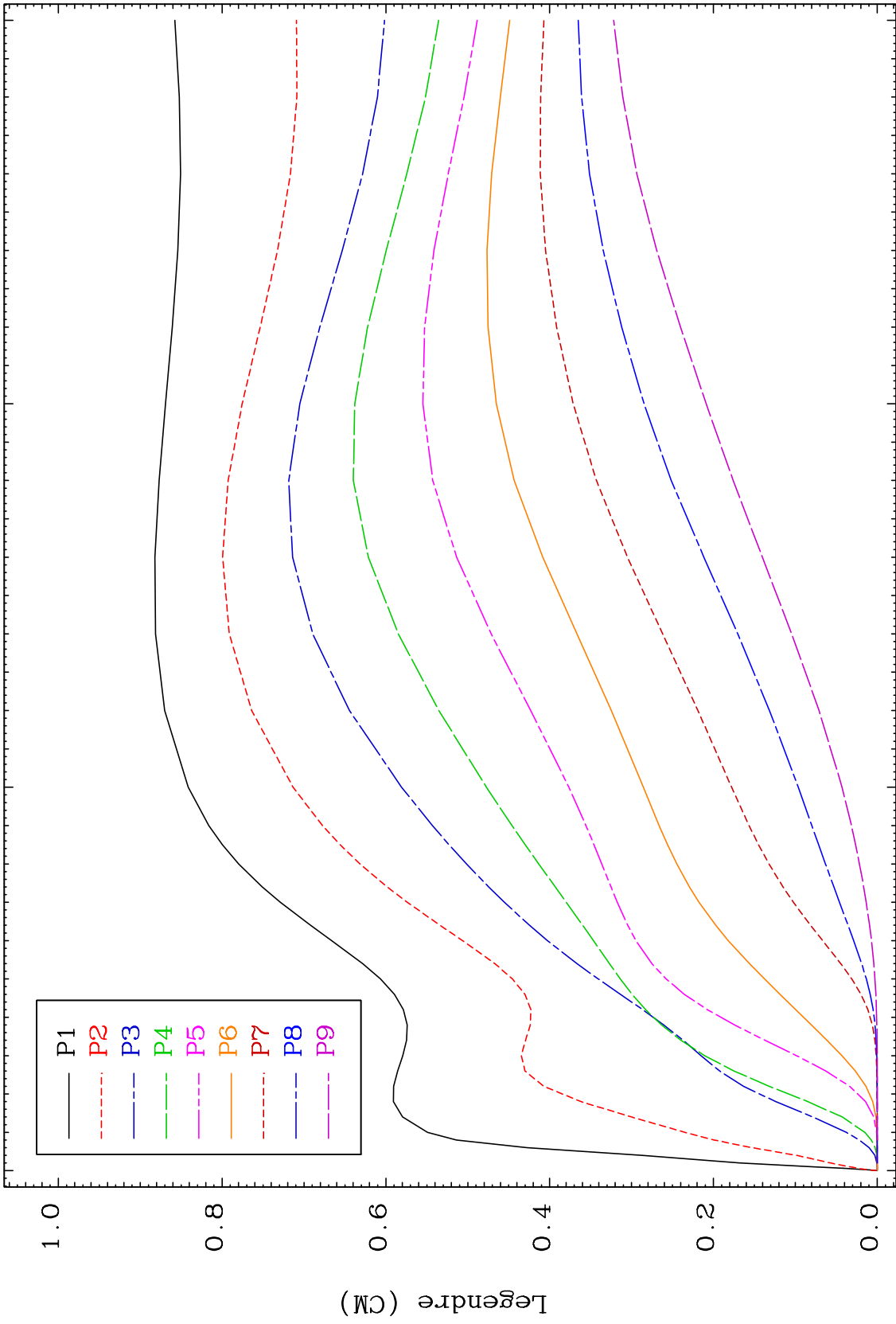




MAT 4146

Elastic Legendre Coefficients

41-Nb-100



16

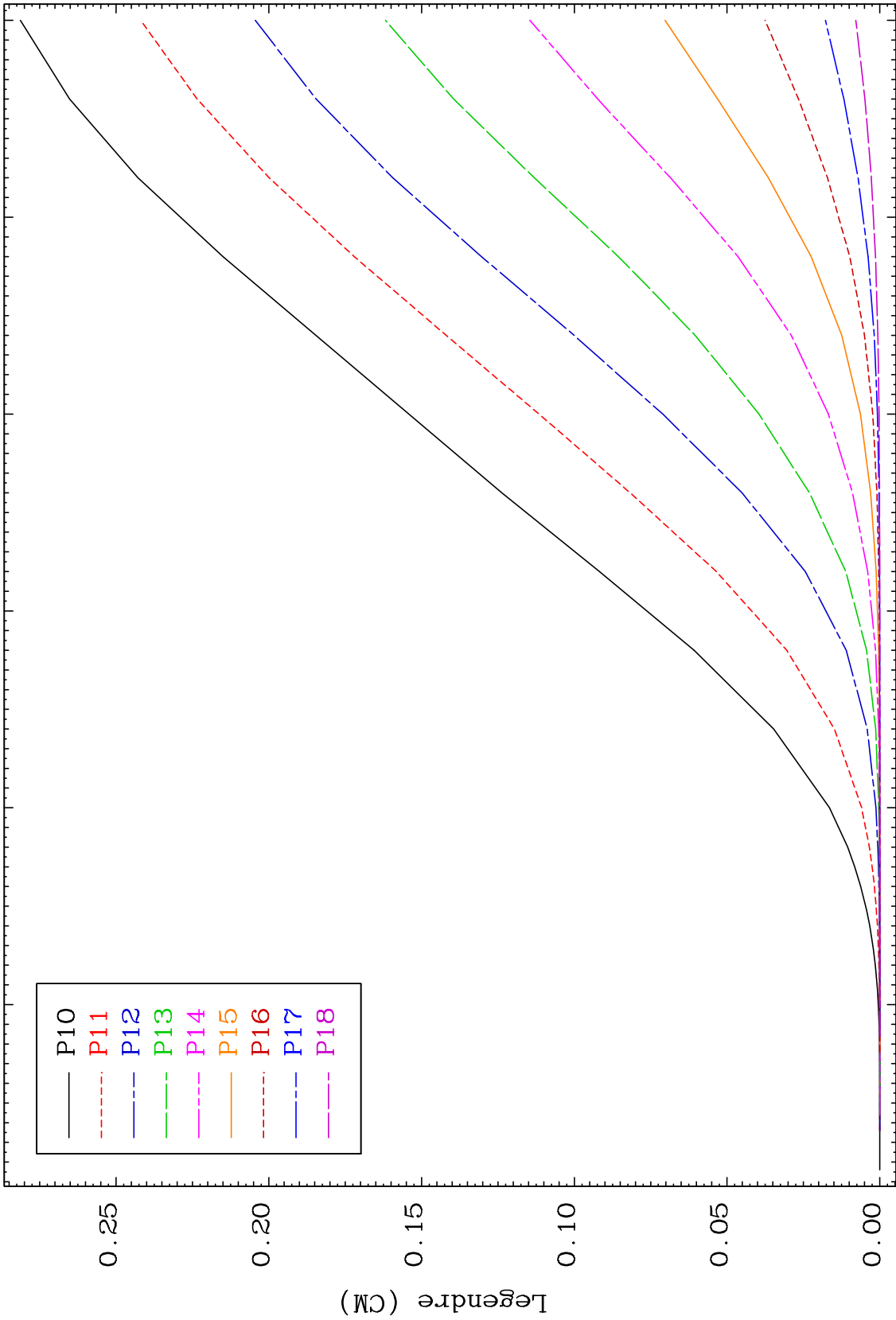
Incident Energy (MeV)

41-Nb-100

MAT 4146

Elastic Legendre Coefficients

41-Nb-100



17

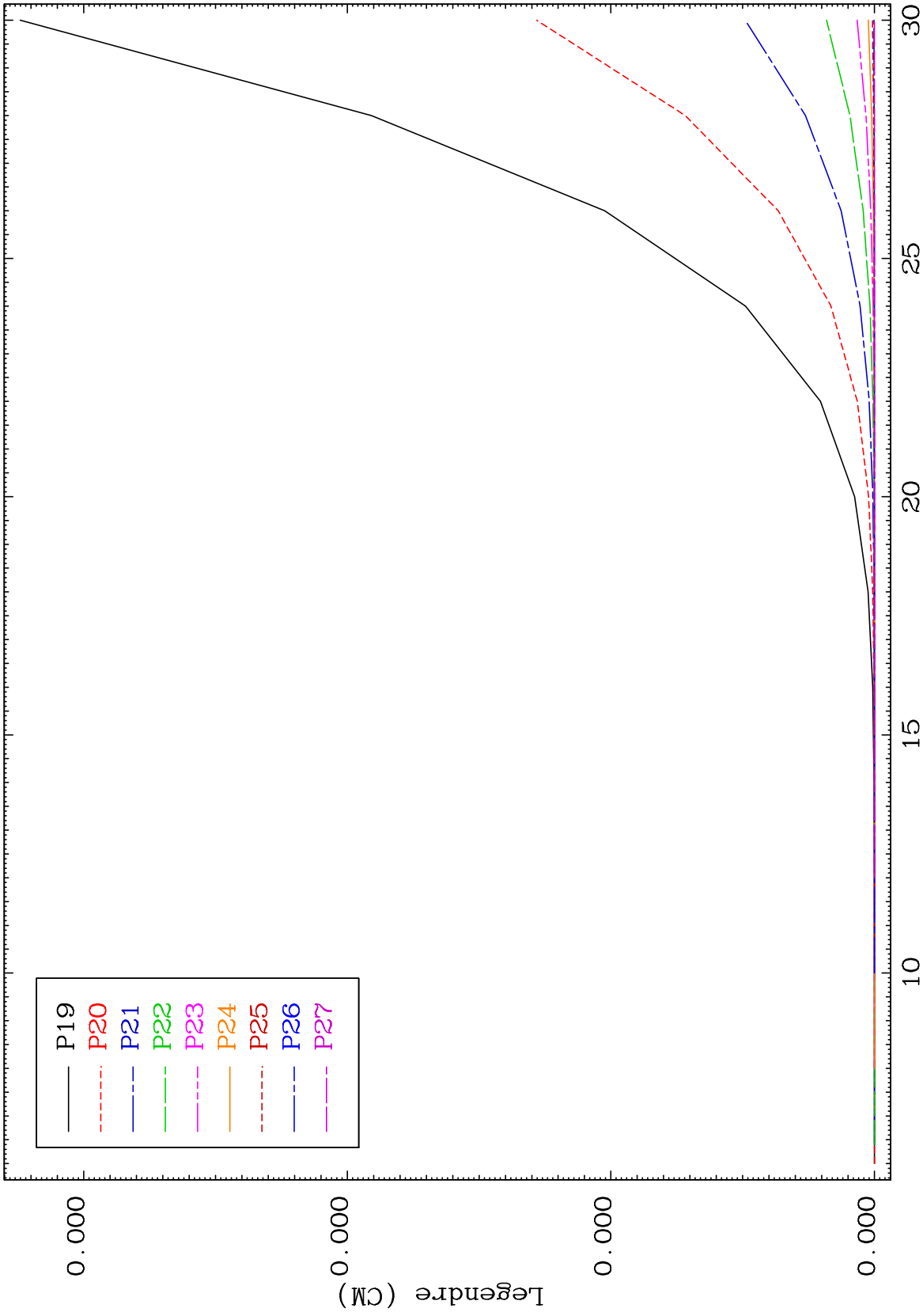
Incident Energy (MeV)

41-Nb-100

MAT 4146

### Elastic Legendre Coefficients

41-Nb-100



18

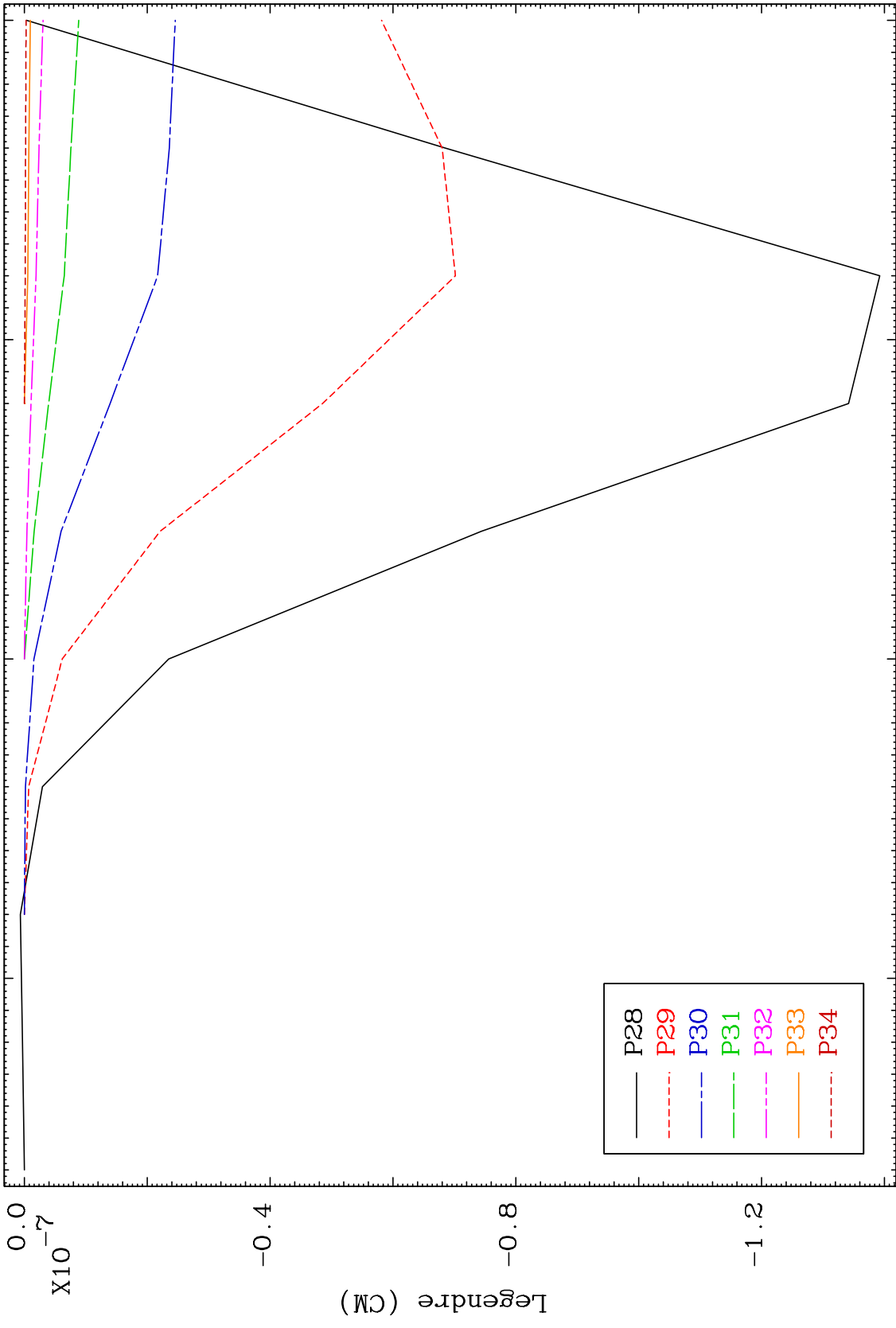
Incident Energy (MeV)

41-Nb-100

MAT 4146

41-Nb-100

Elastic  
Legendre Coefficients

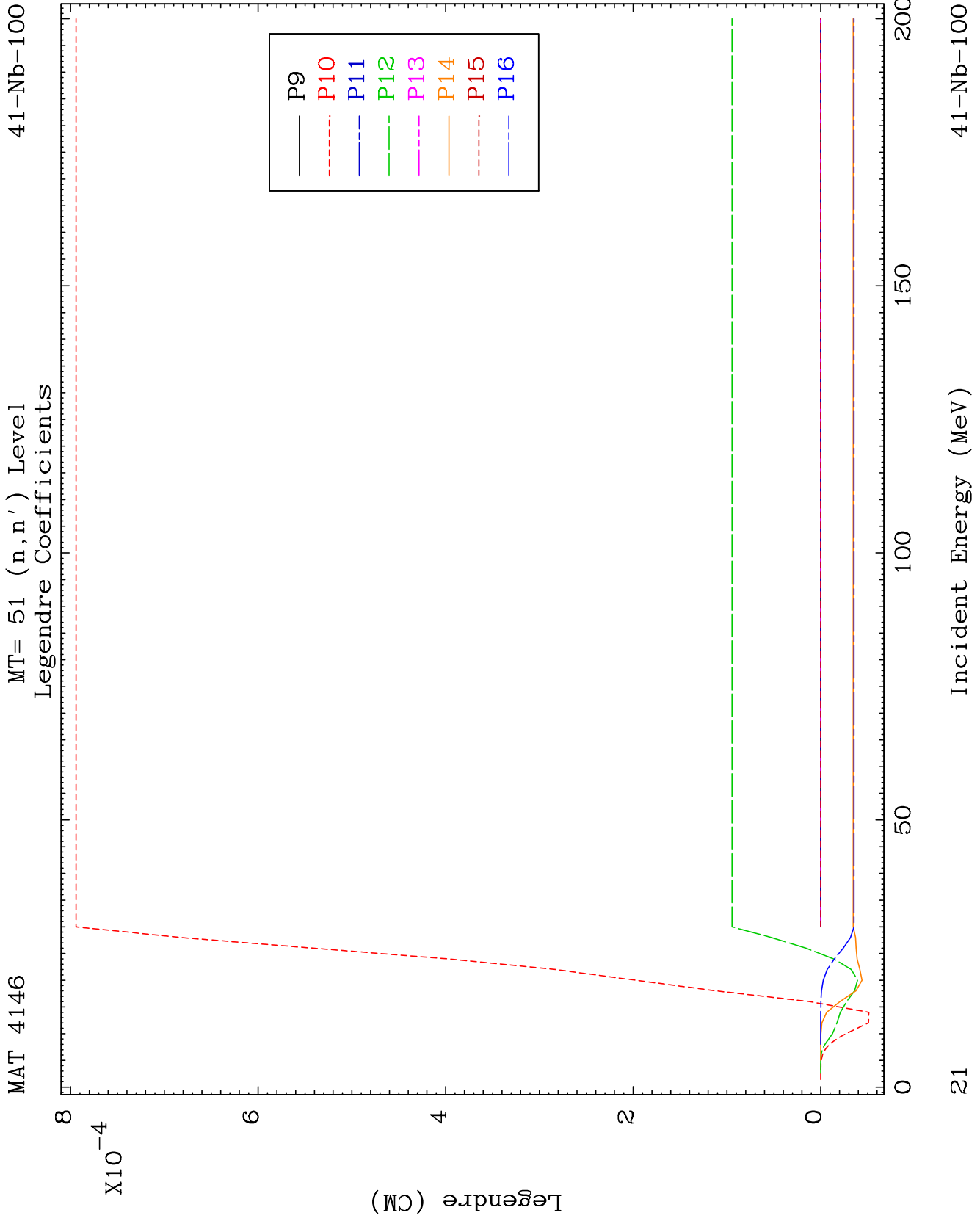


19

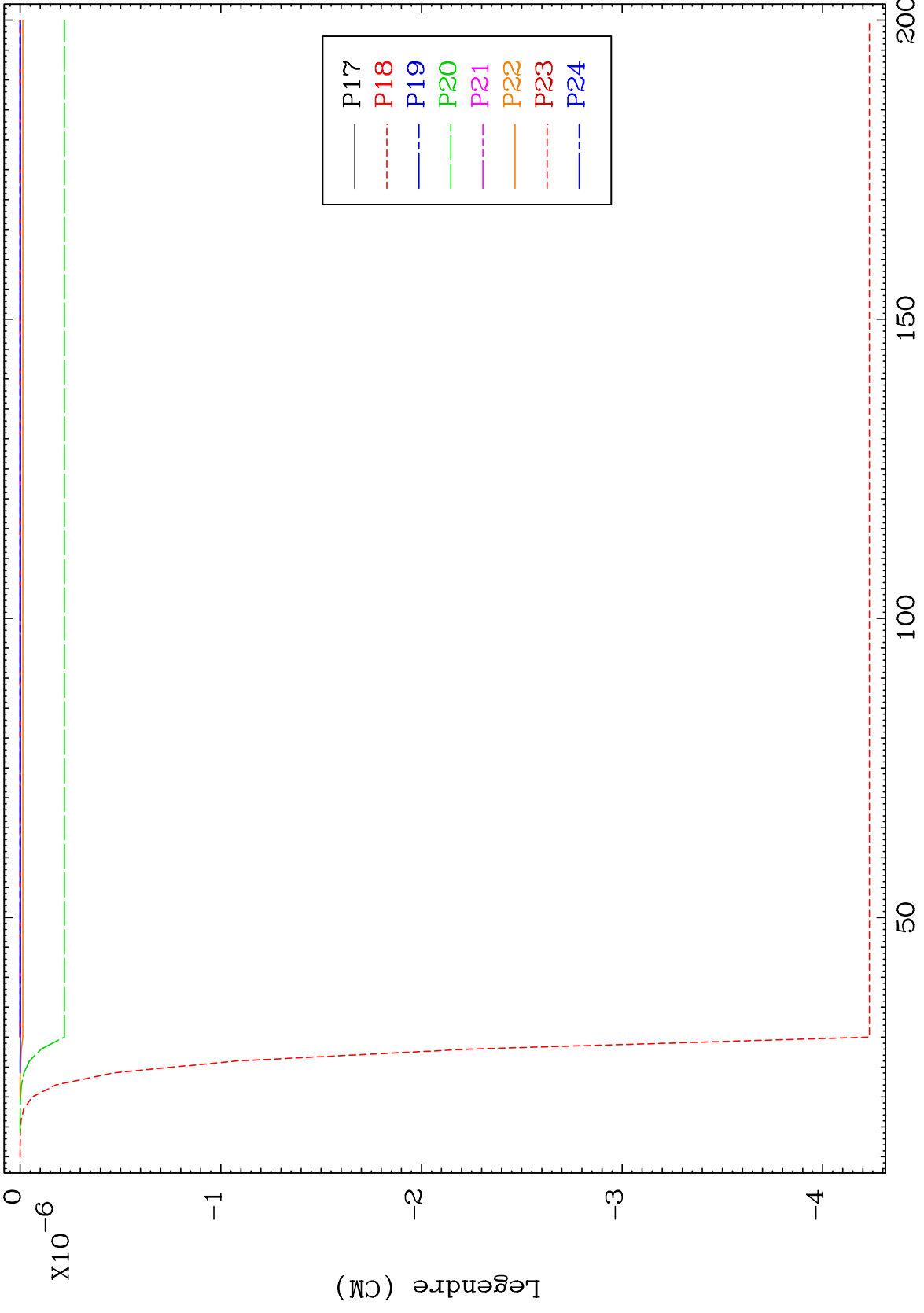
Incident Energy (MeV)

41-Nb-100



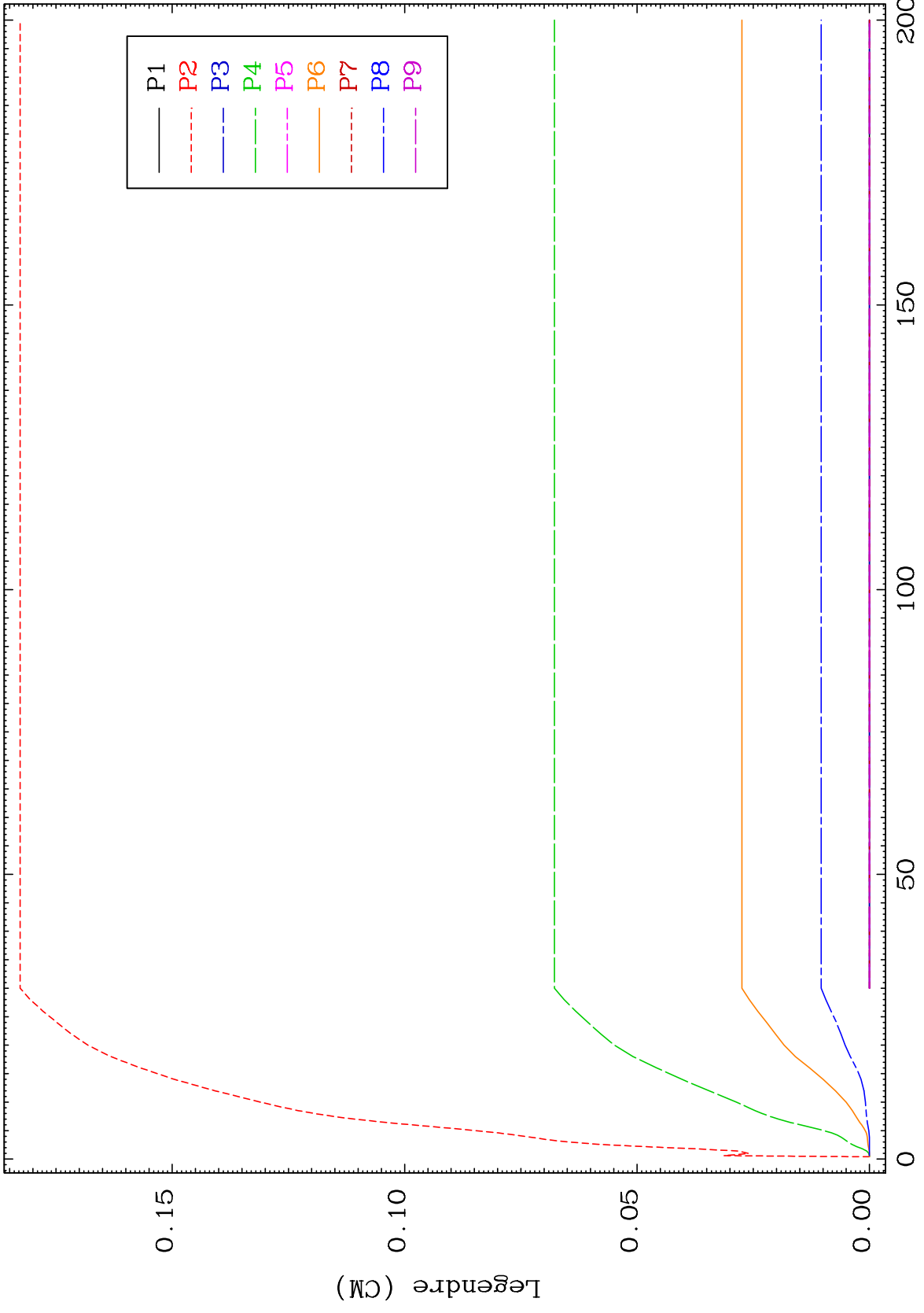


MAT 4146 MT= 51 (n,n') Level Legendre Coefficients 41-Nb-100



22 41-Nb-100

MAT 4146 MT= 52 (n,n') Level Legendre Coefficients 41-Nb-100



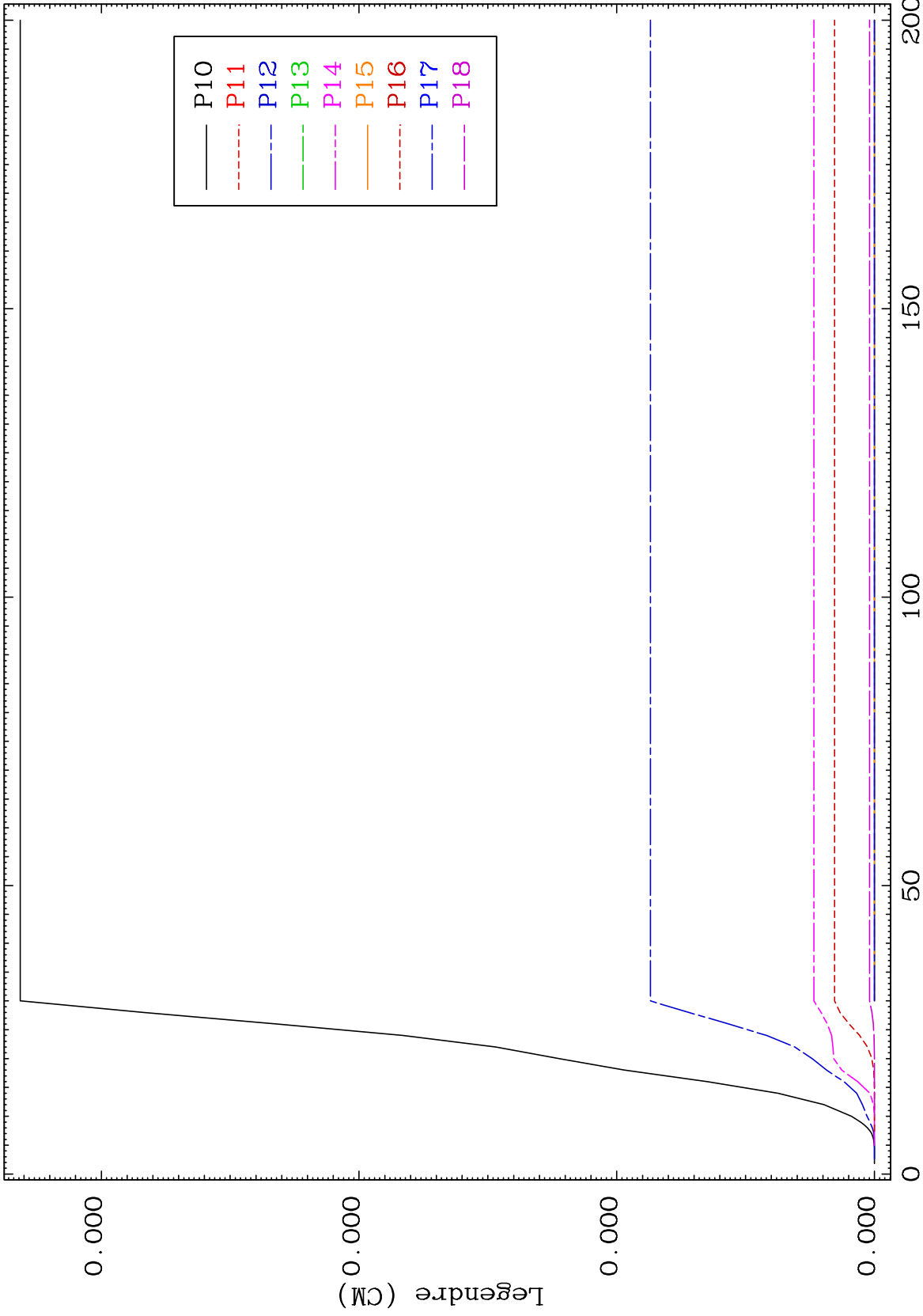
23 41-Nb-100



MAT 4146

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

41-Nb-100

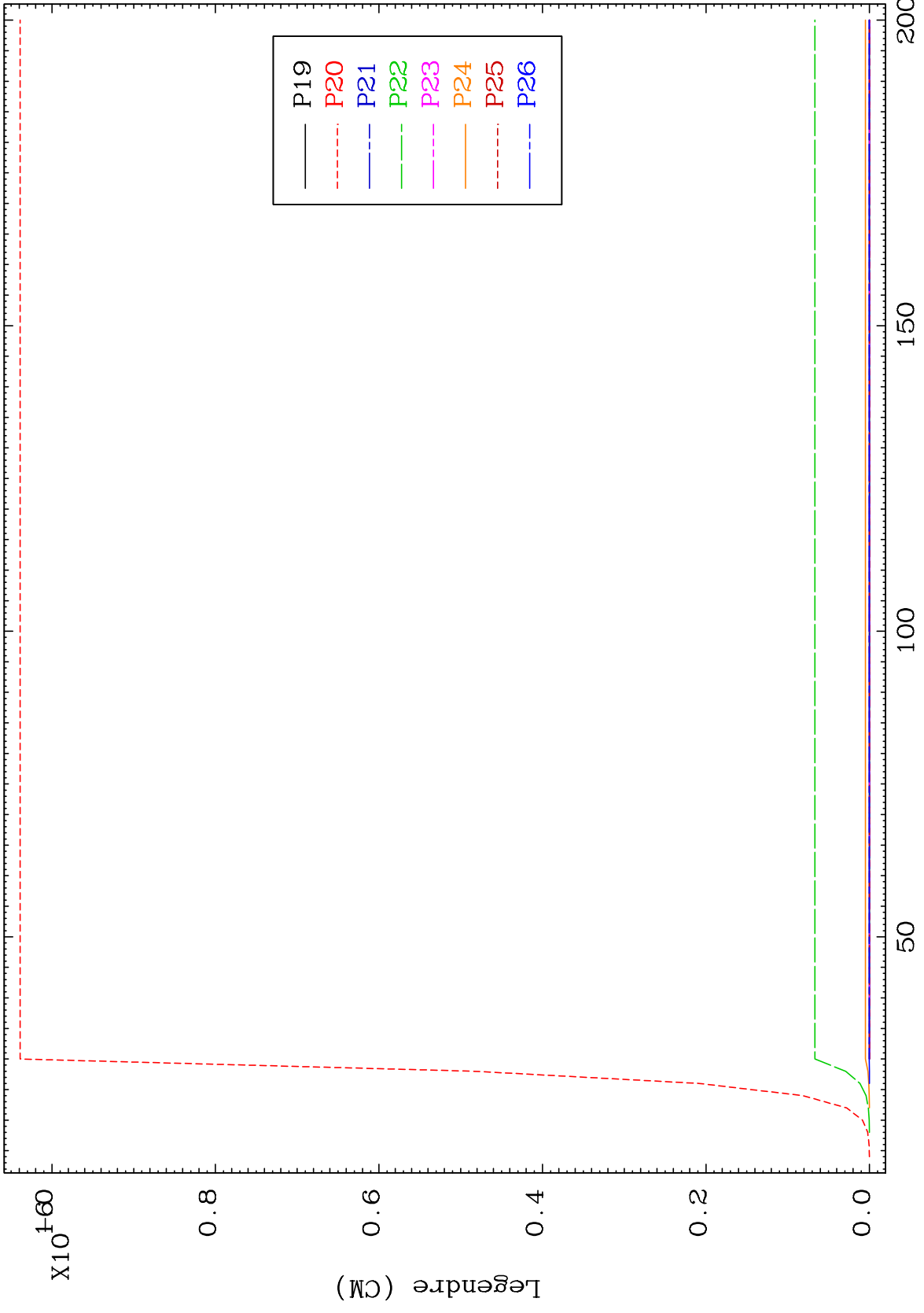


24

Incident Energy (MeV)

41-Nb-100

MAT 4146 MT= 52 (n,n') Level Legendre Coefficients 41-Nb-100

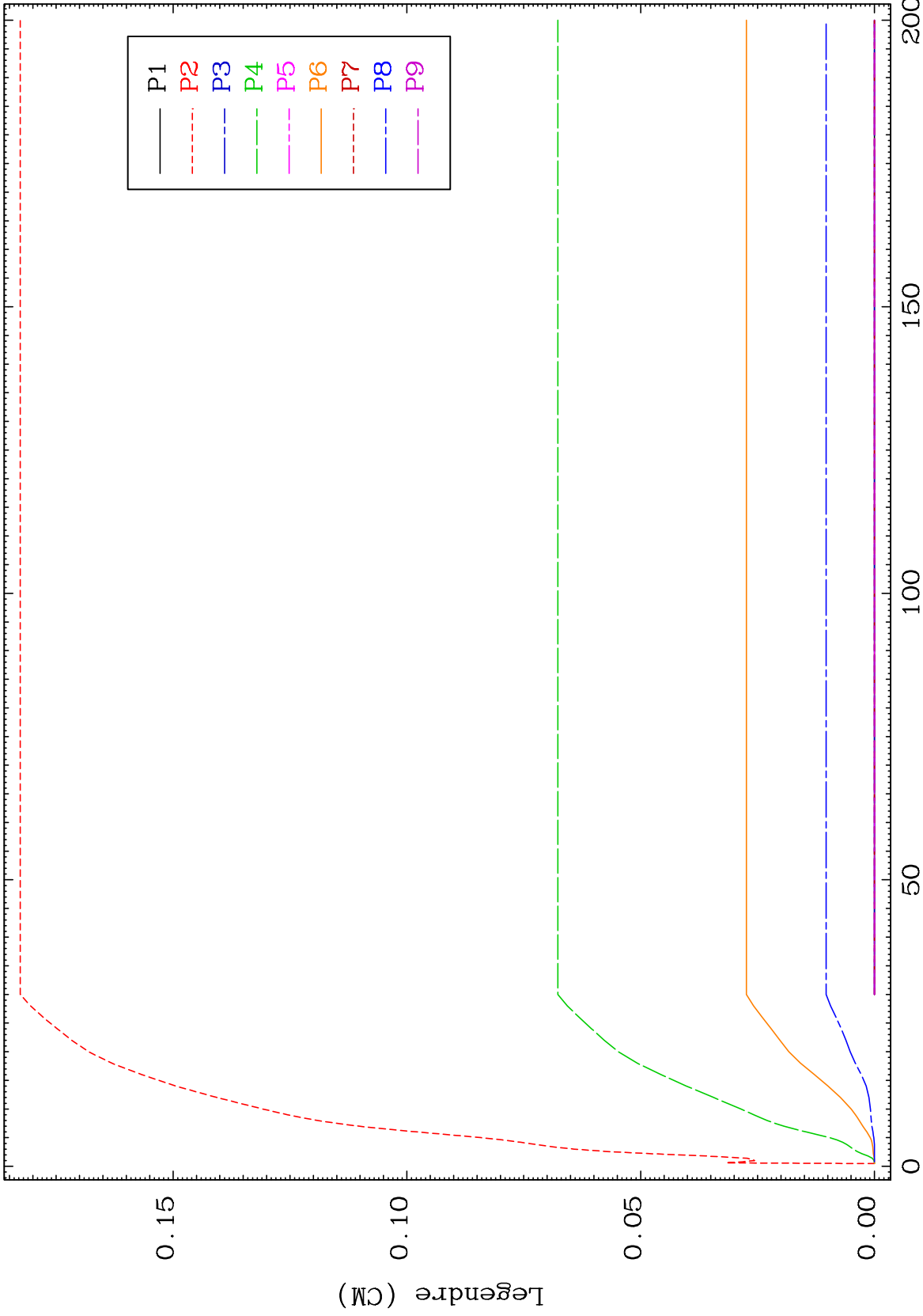


25 50 100 150 200 41-Nb-100

MAT 4146

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

41-Nb-100



26

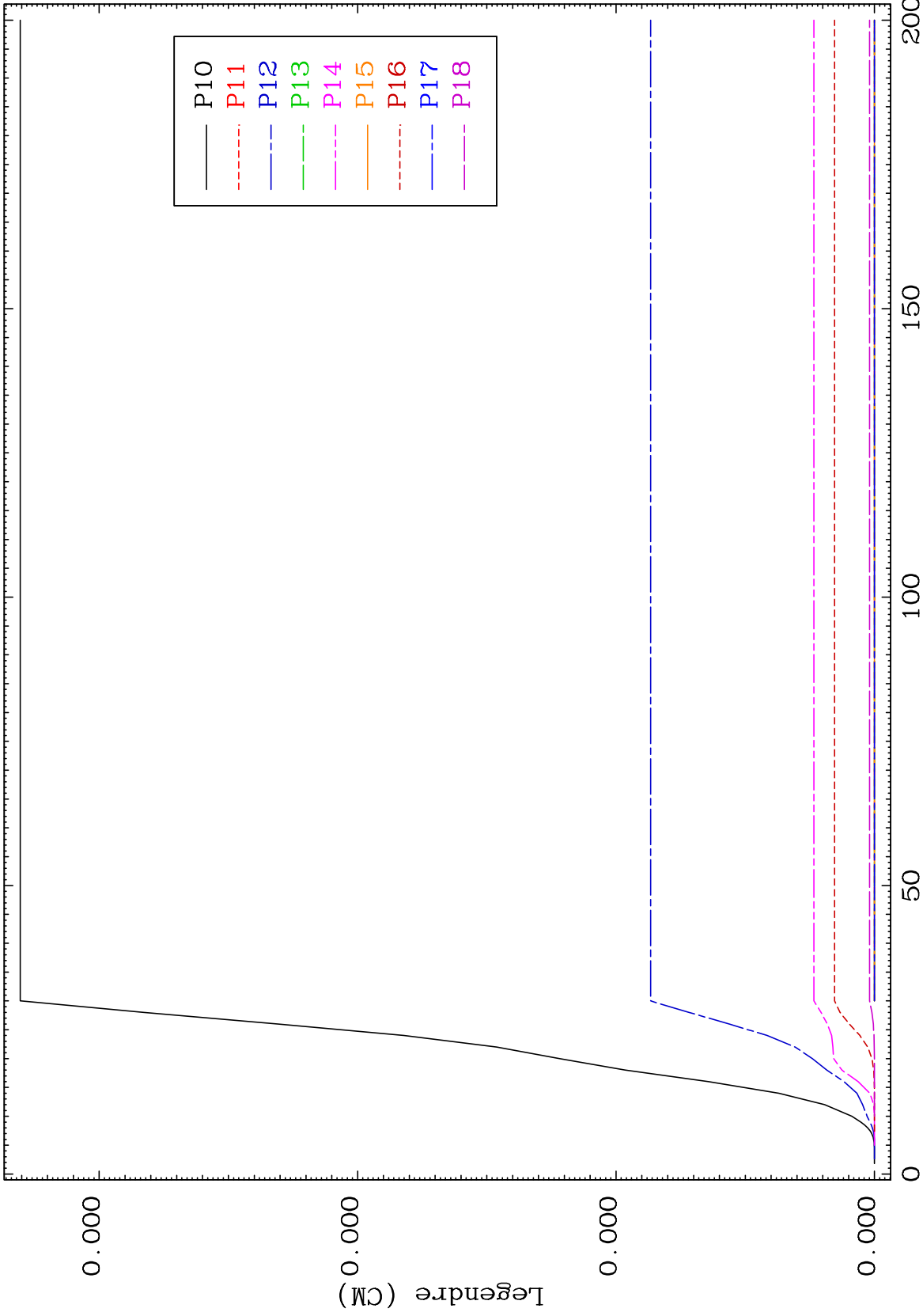
Incident Energy (MeV)

41-Nb-100

MAT 4146

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

41-Nb-100



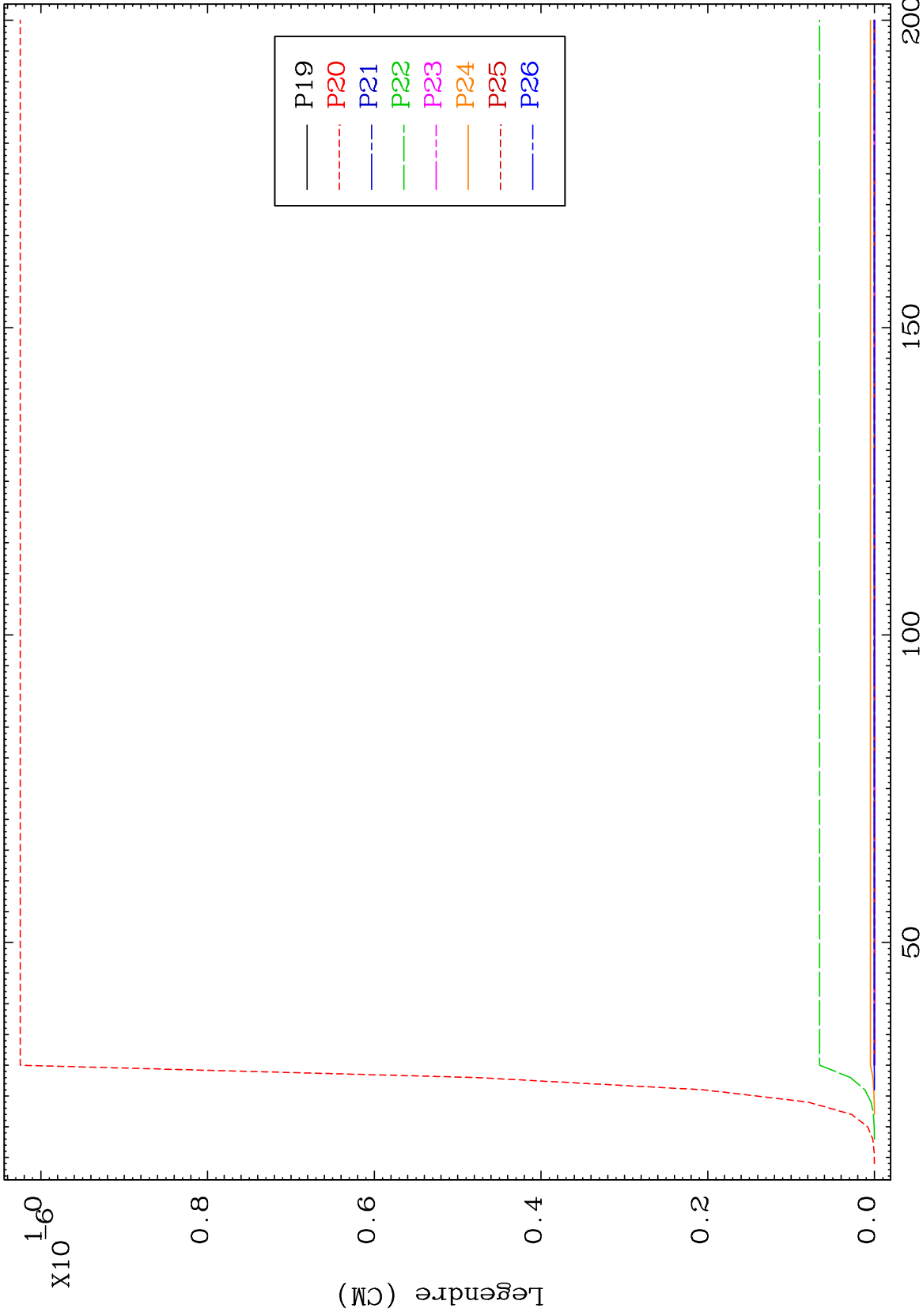
27

41-Nb-100

MAT 4146

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

41-Nb-100



28

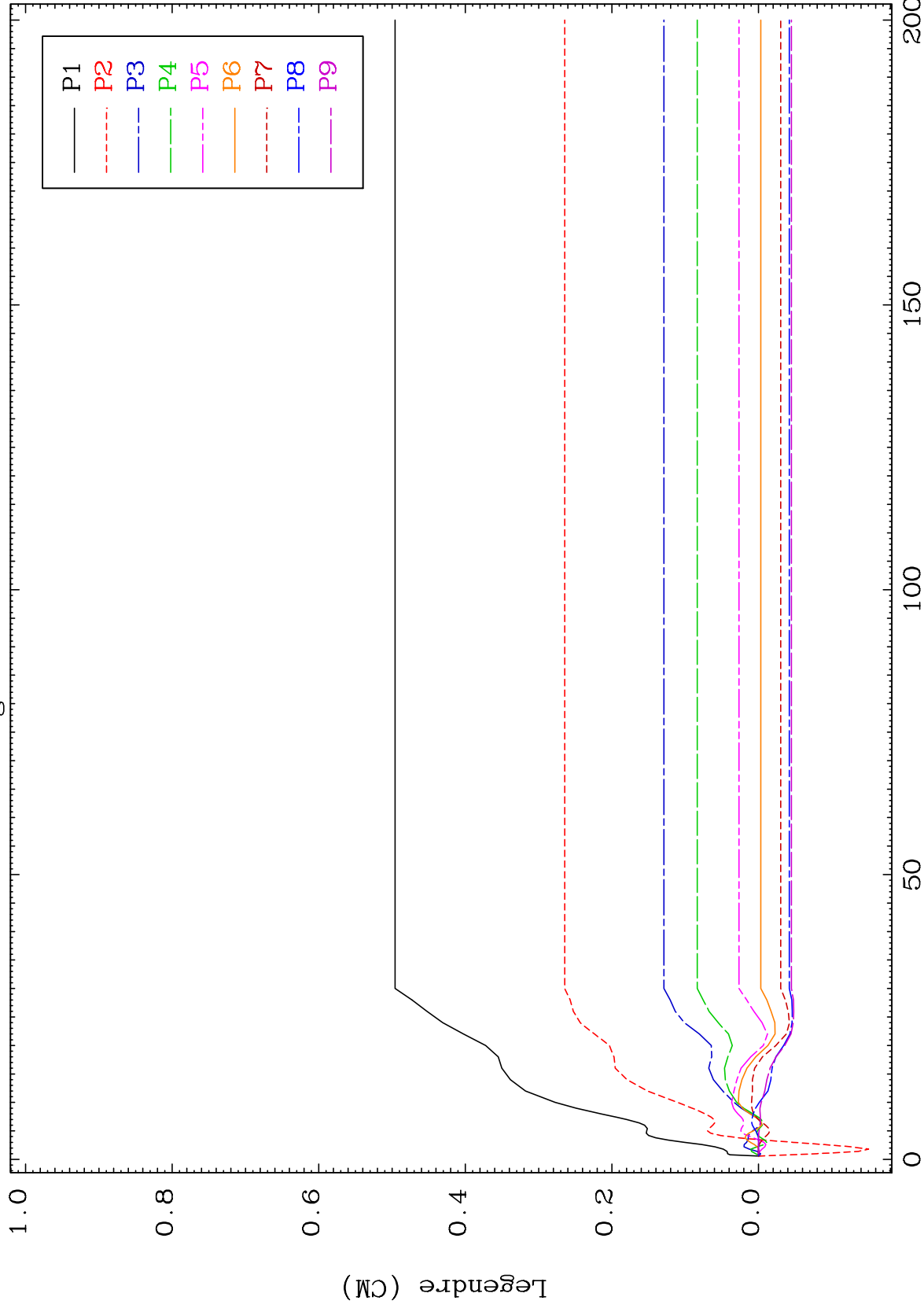
Incident Energy (MeV)

41-Nb-100

MAT 4146

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

41-Nb-100



29

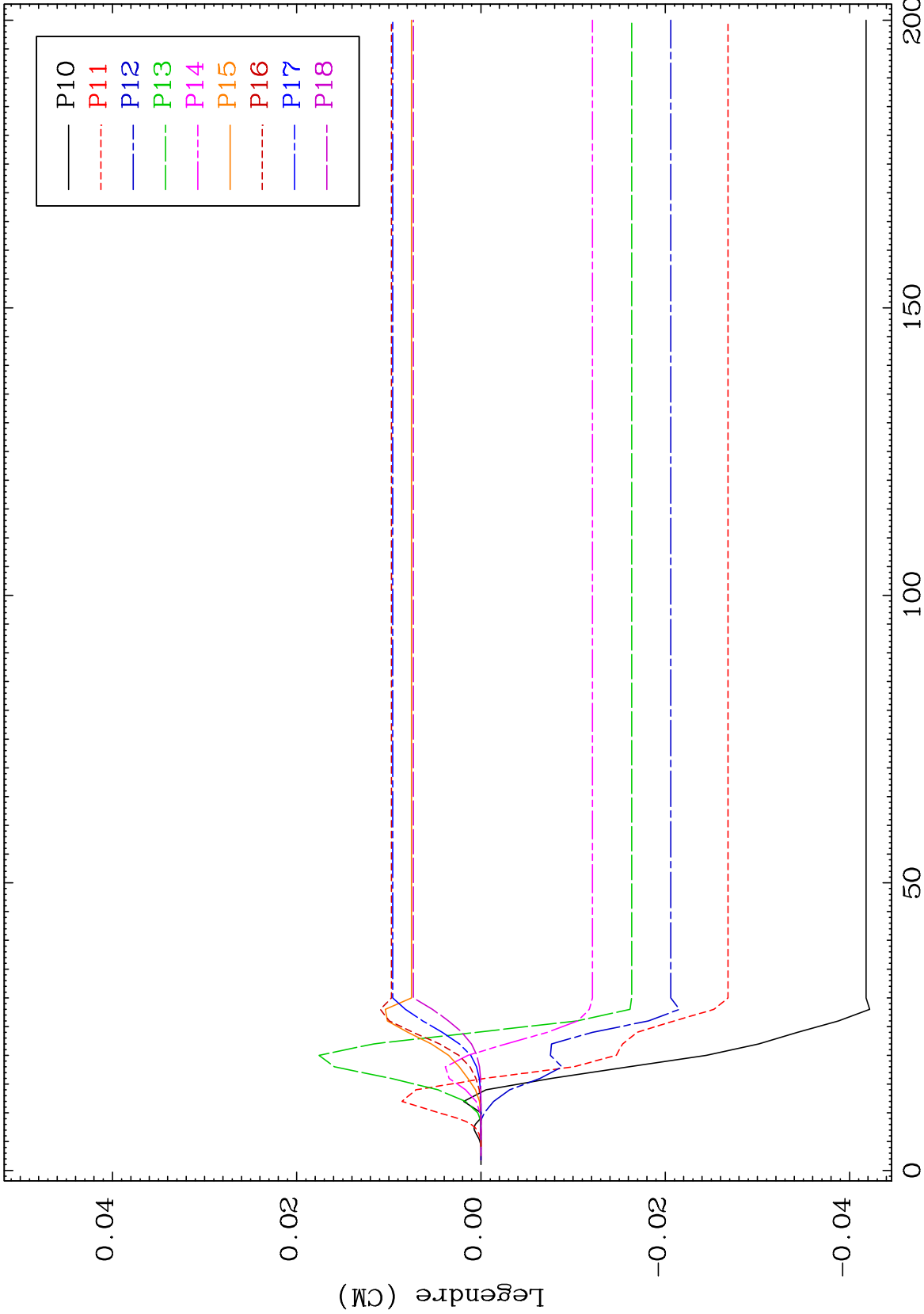
Incident Energy (MeV)

41-Nb-100

MAT 4146

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

41-Nb-100



41-Nb-100

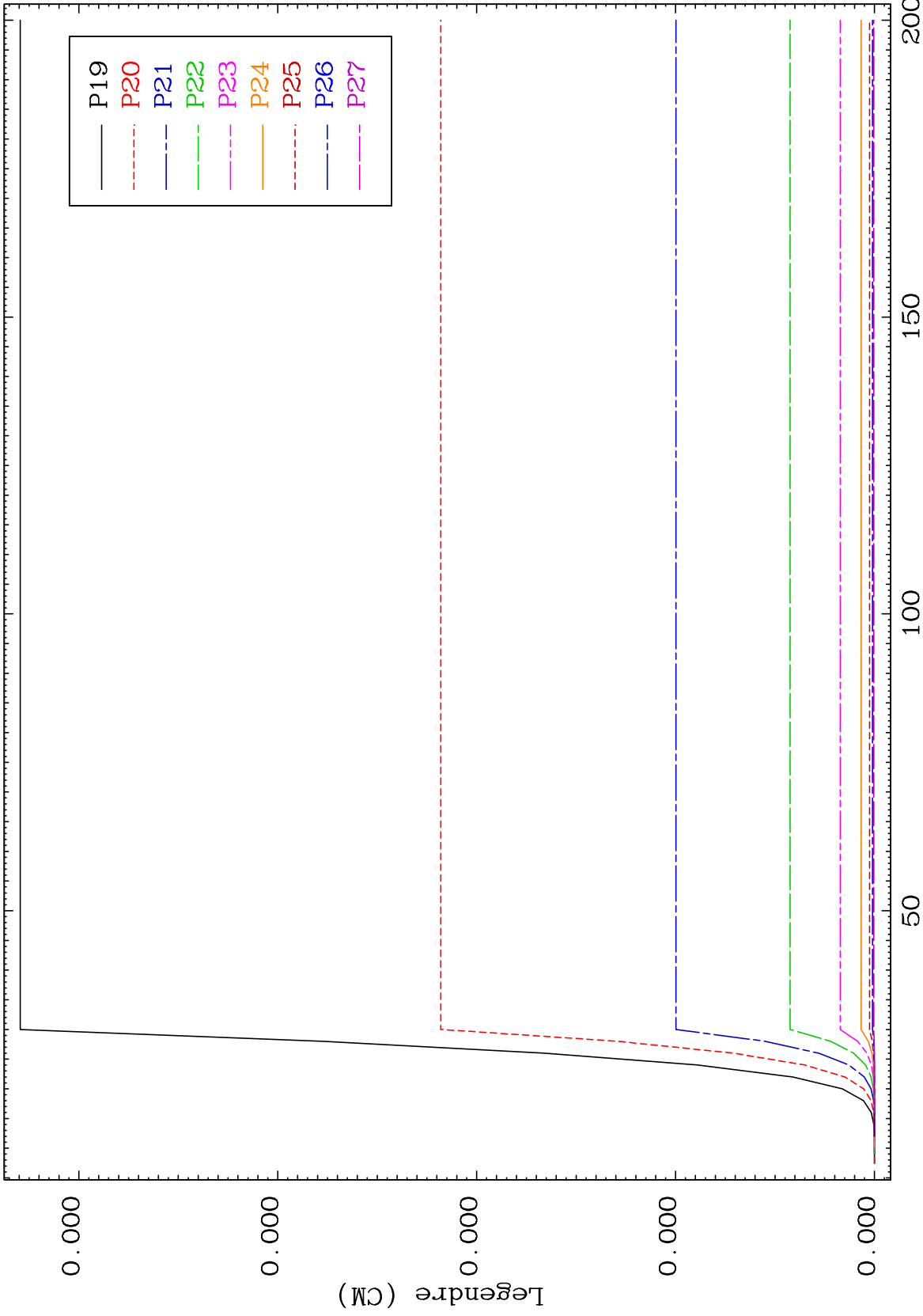
Incident Energy (MeV)

30

MAT 4146

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

41-Nb-100



31

Incident Energy (MeV)

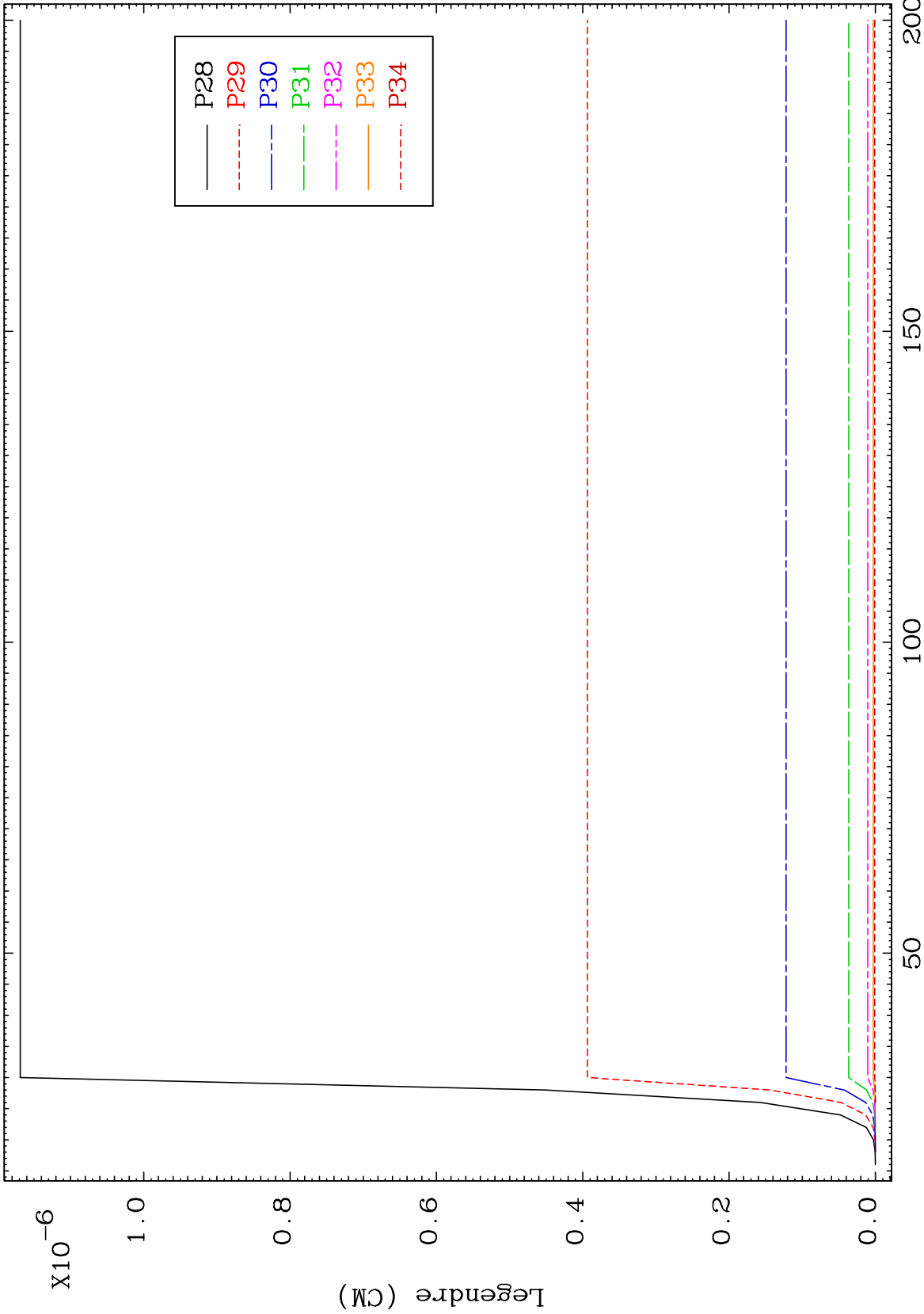
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MAT 4146

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

41-Nb-100



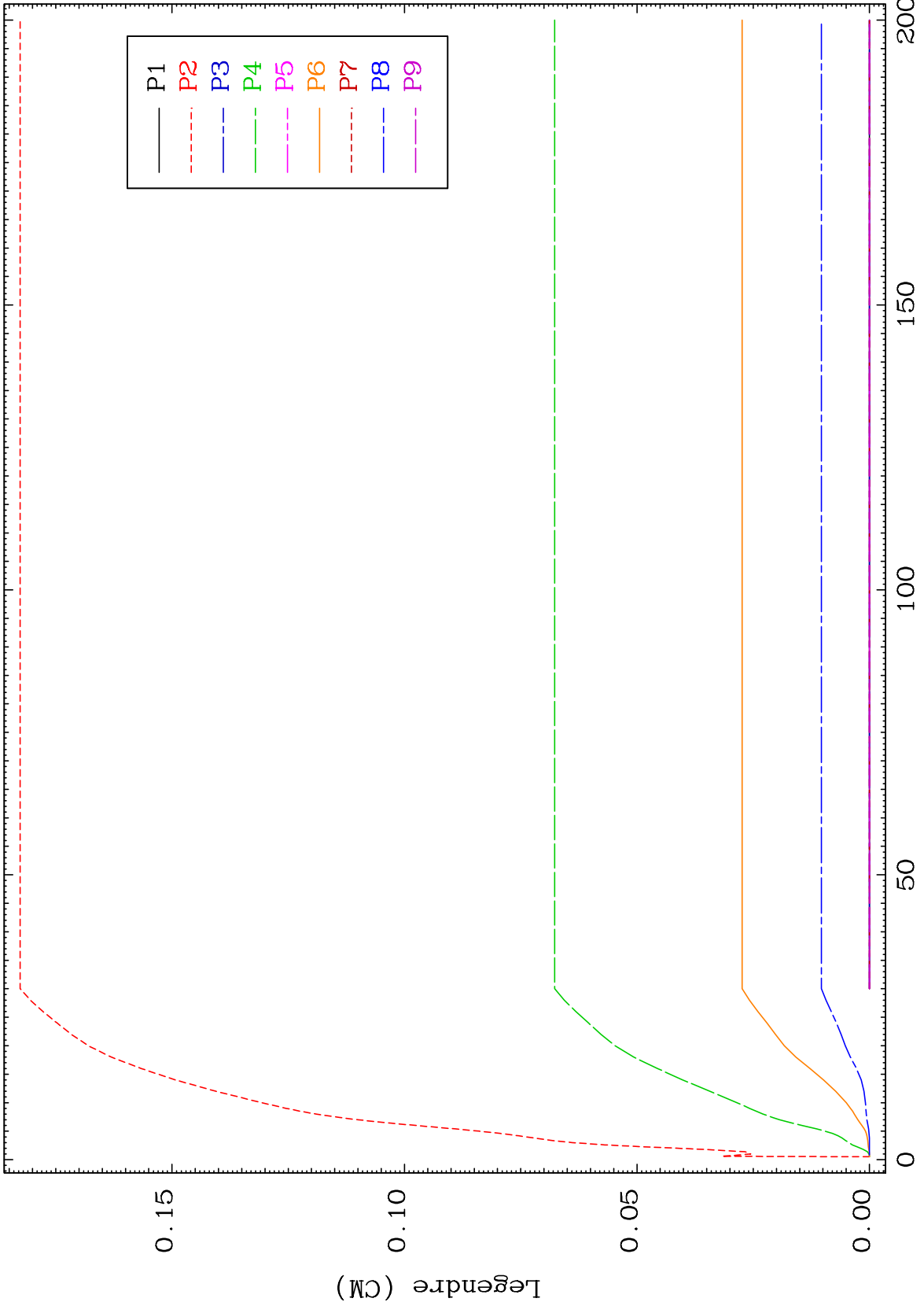
32

41-Nb-100

MAT 4146

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

41-Nb-100



33

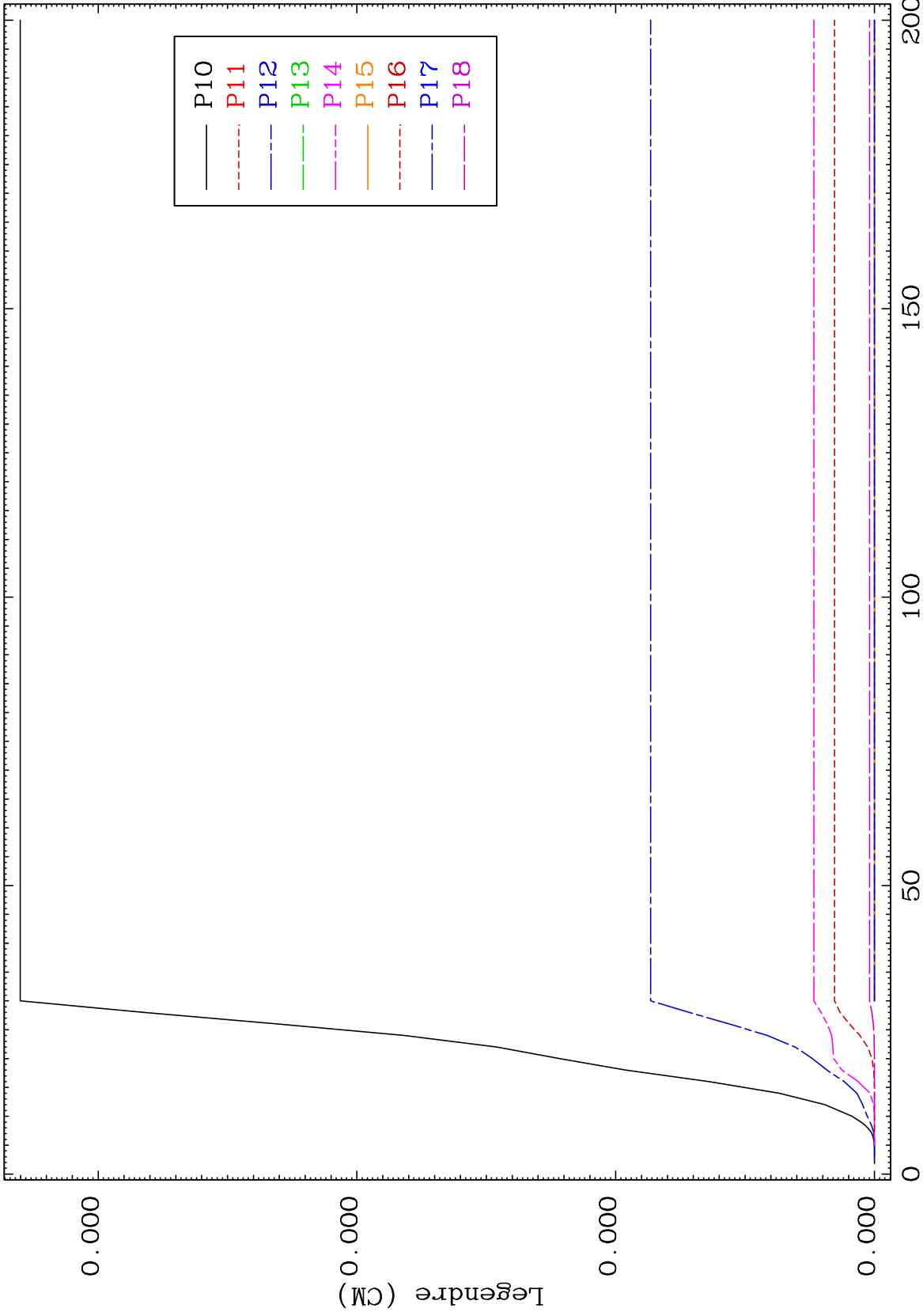
Incident Energy (MeV)

41-Nb-100

MAT 4146

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

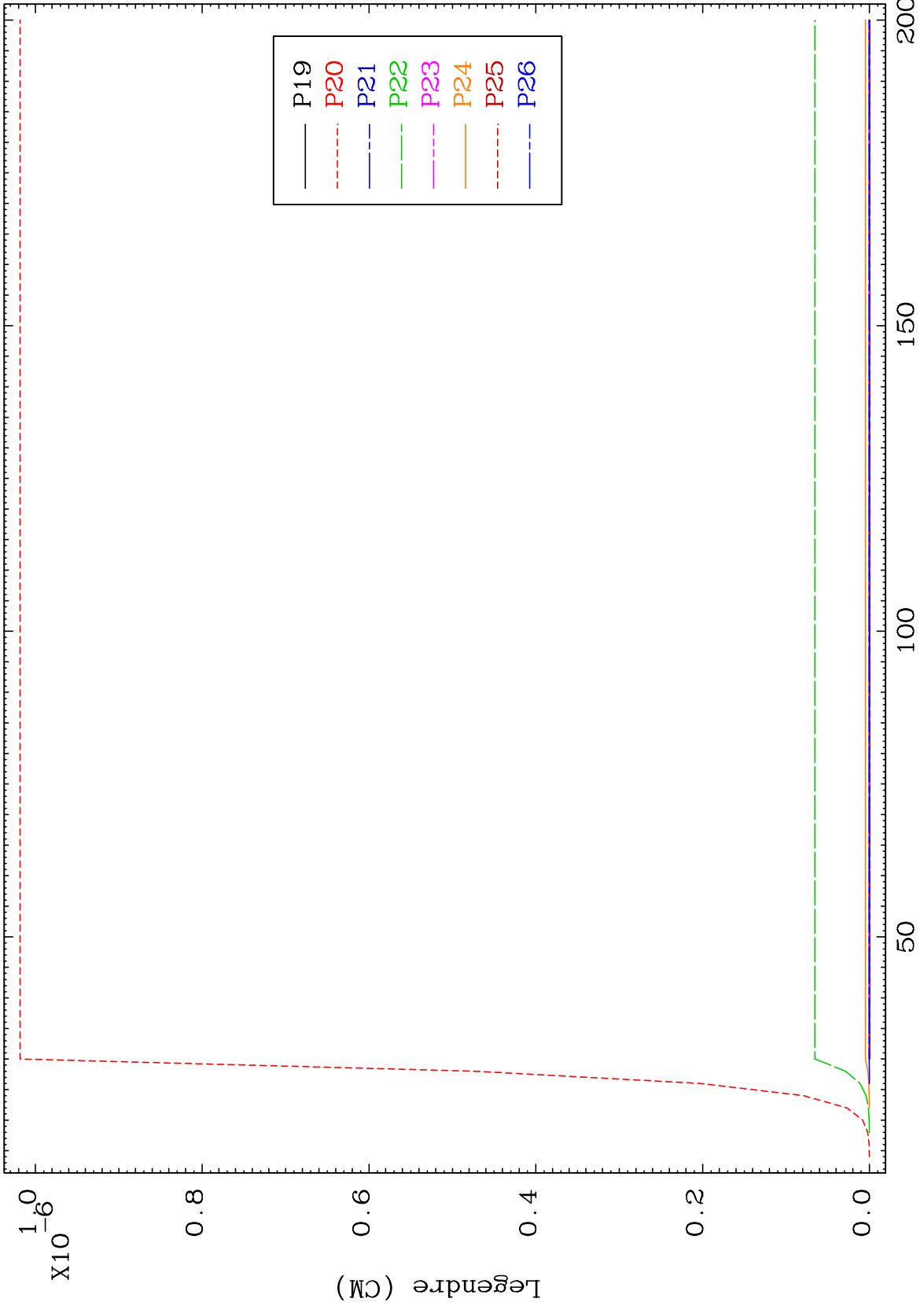
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34

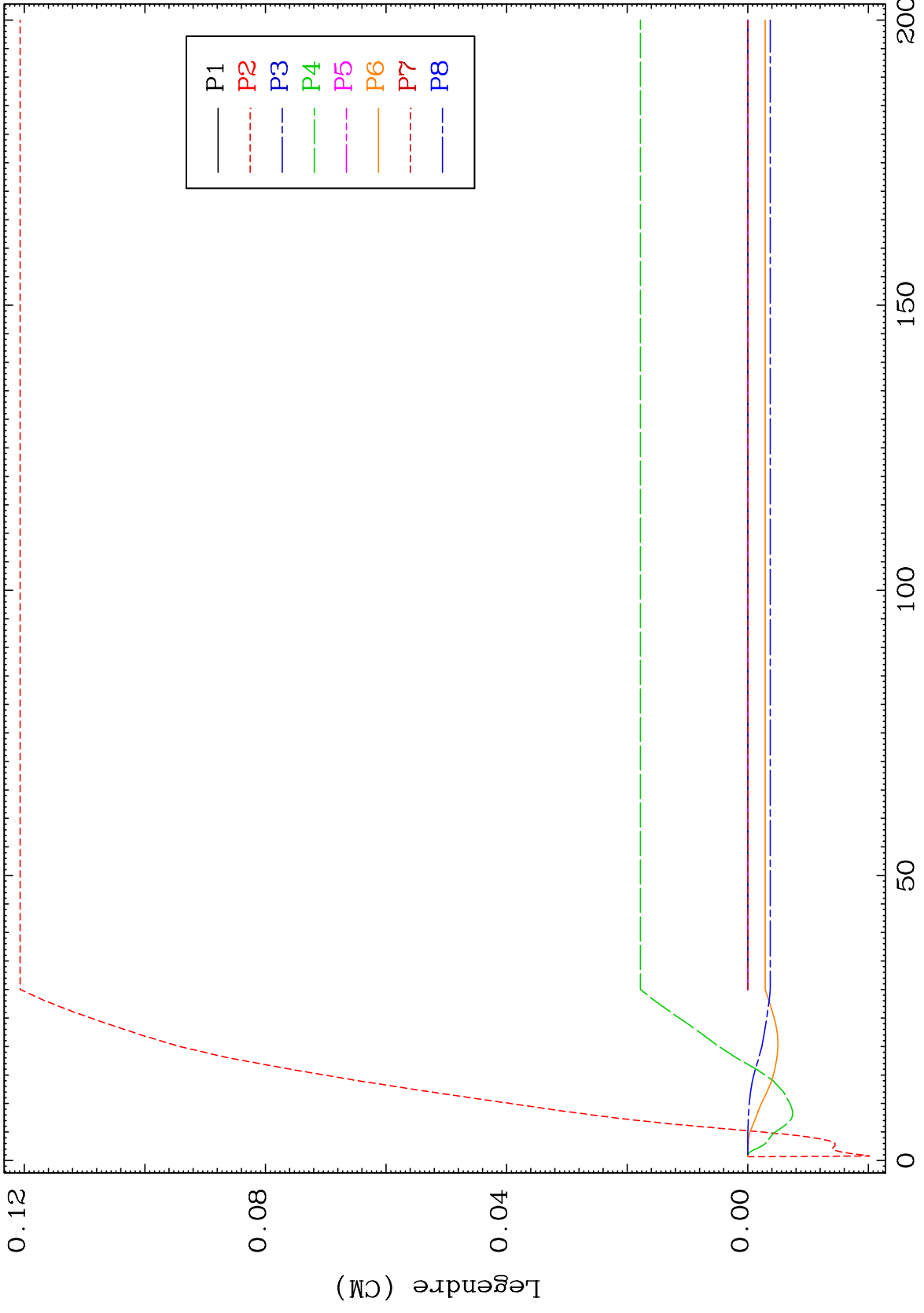
41-Nb-100

MAT 4146 MT= 55 (n,n') Level Legendre Coefficients 41-Nb-100



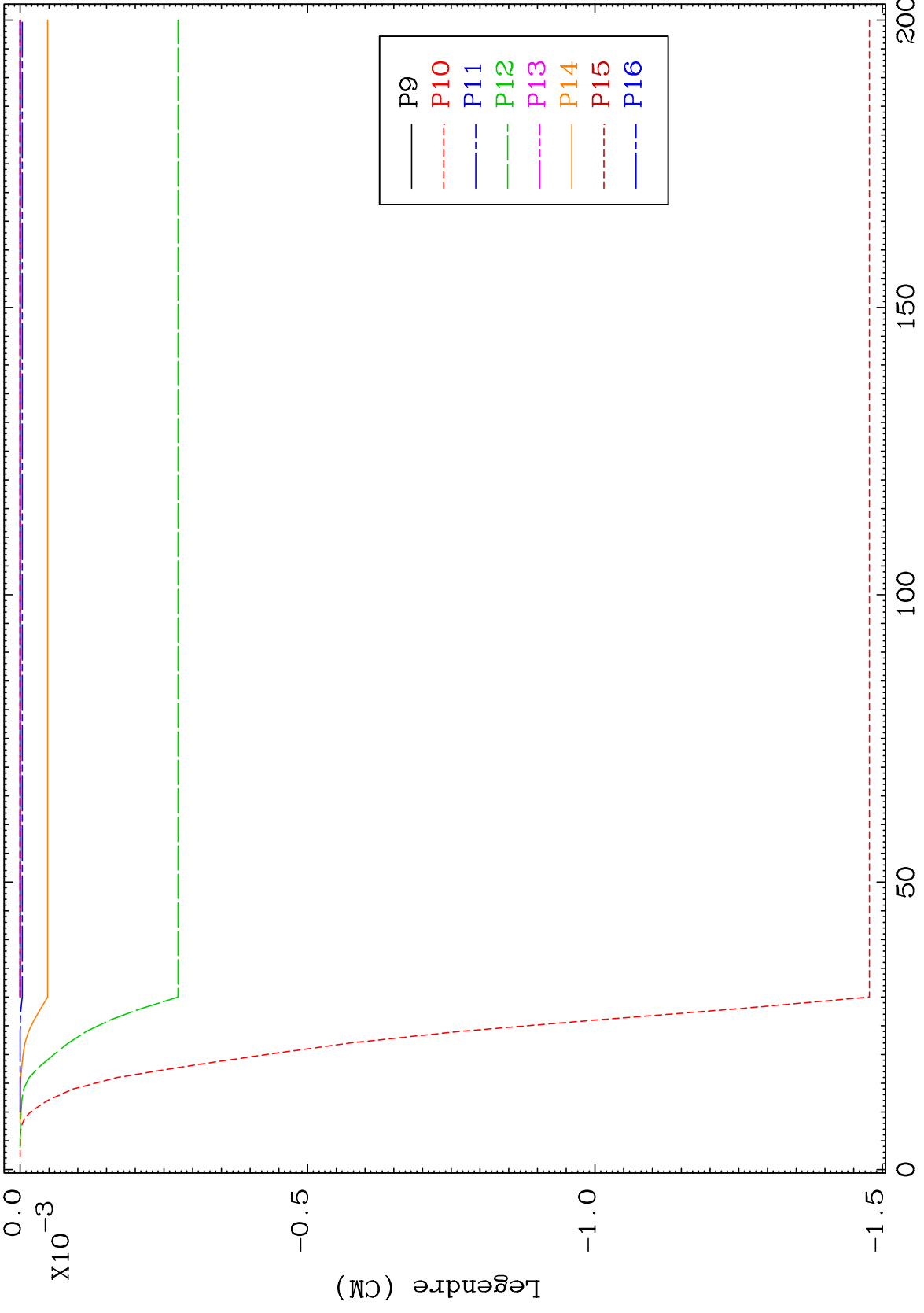
35 50 100 150 200 41-Nb-100

MAT 4146 MT= 56 (n,n') Level Legendre Coefficients 41-Nb-100



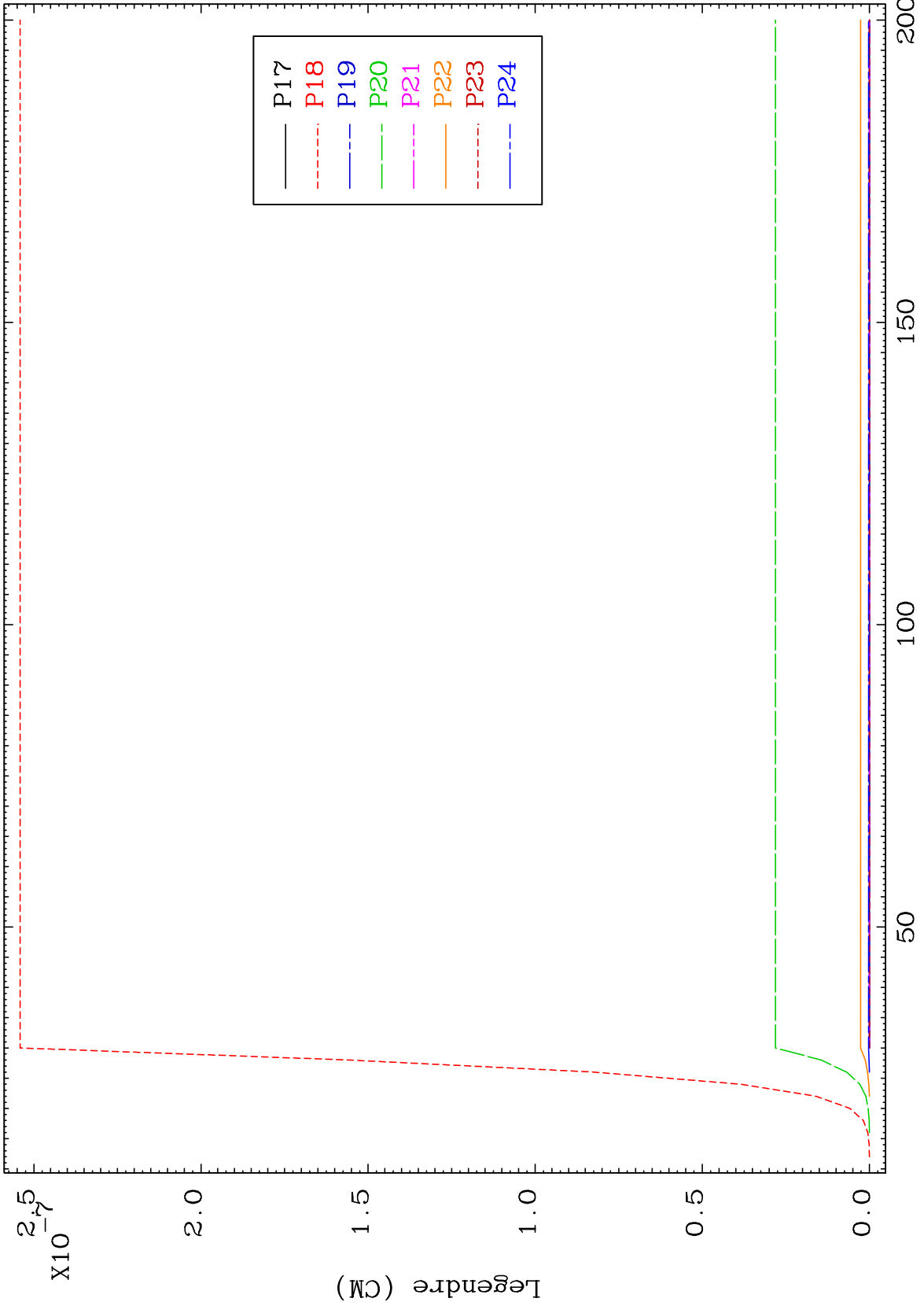
36 41-Nb-100

MAT 4146 MT= 56 (n,n') Level Legendre Coefficients 41-Nb-100



MAT 4146 MT= 56 (n,n') Level Legendre Coefficients

41-Nb-100



41-Nb-100

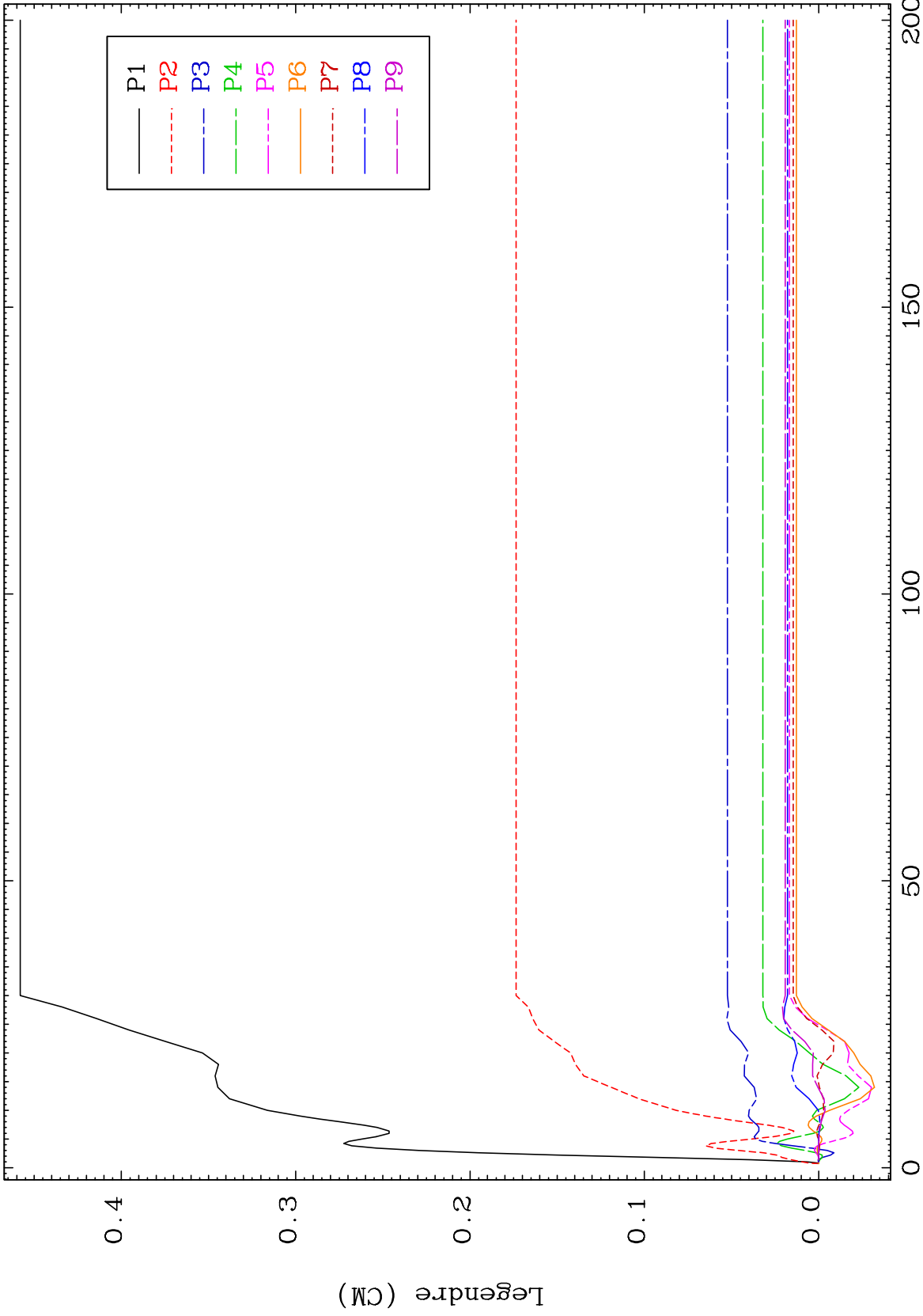
Incident Energy (MeV)

38

MAT 4146

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

41-Nb-100



39

Incident Energy (MeV)

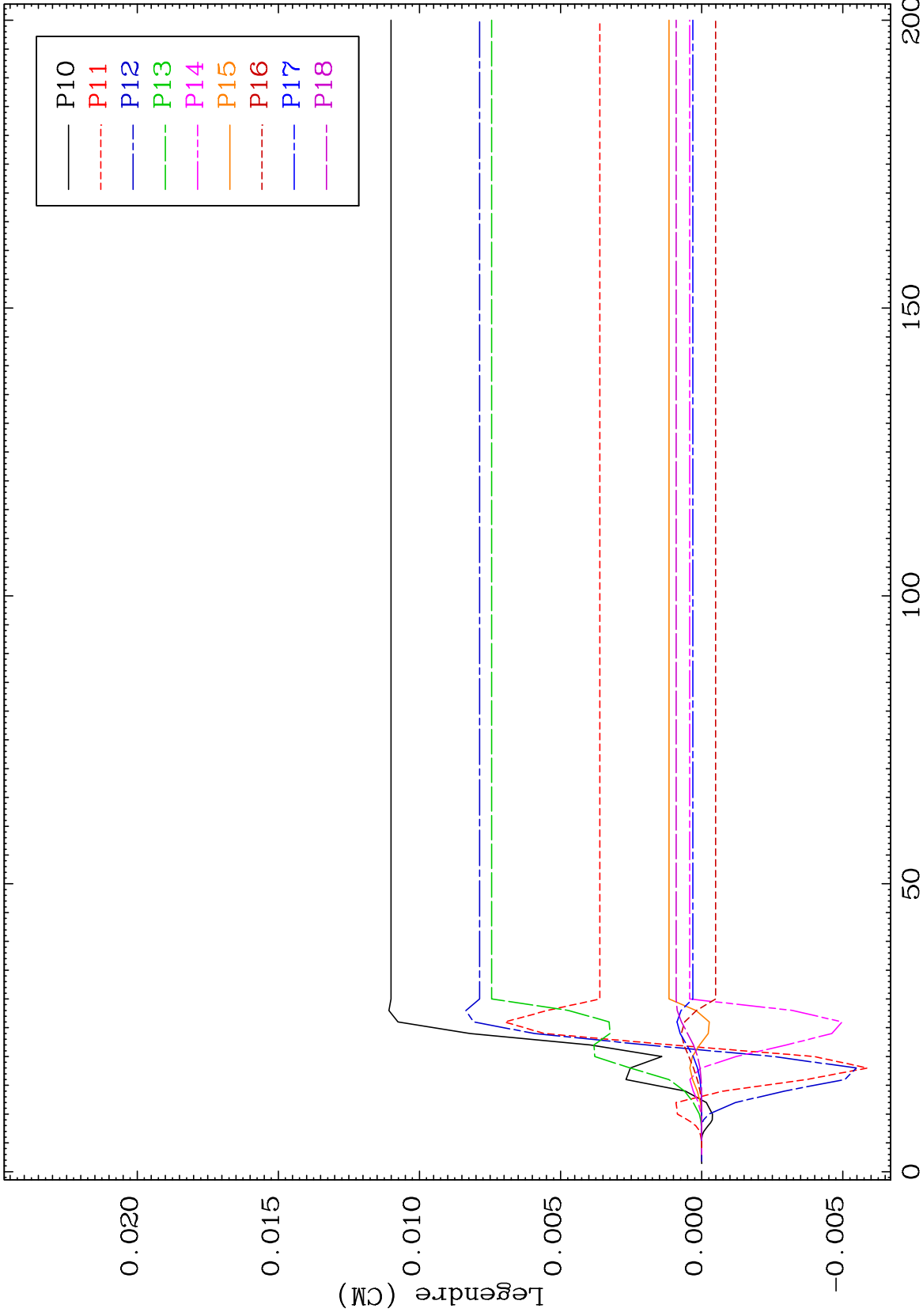
41-Nb-100



MAT 4146

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

41-Nb-100



41-Nb-100

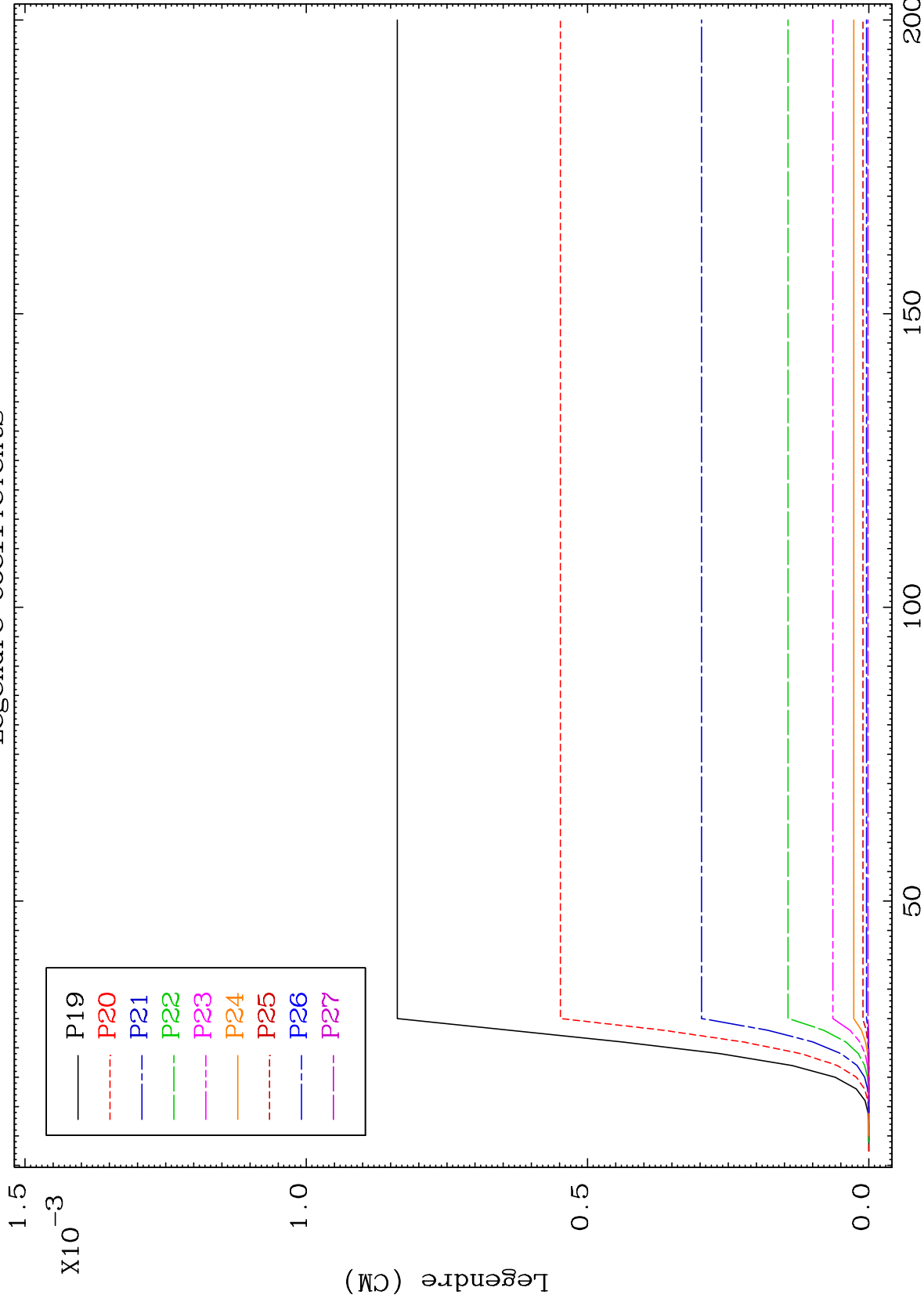
Incident Energy (MeV)

40

MAT 4146

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

41-Nb-100



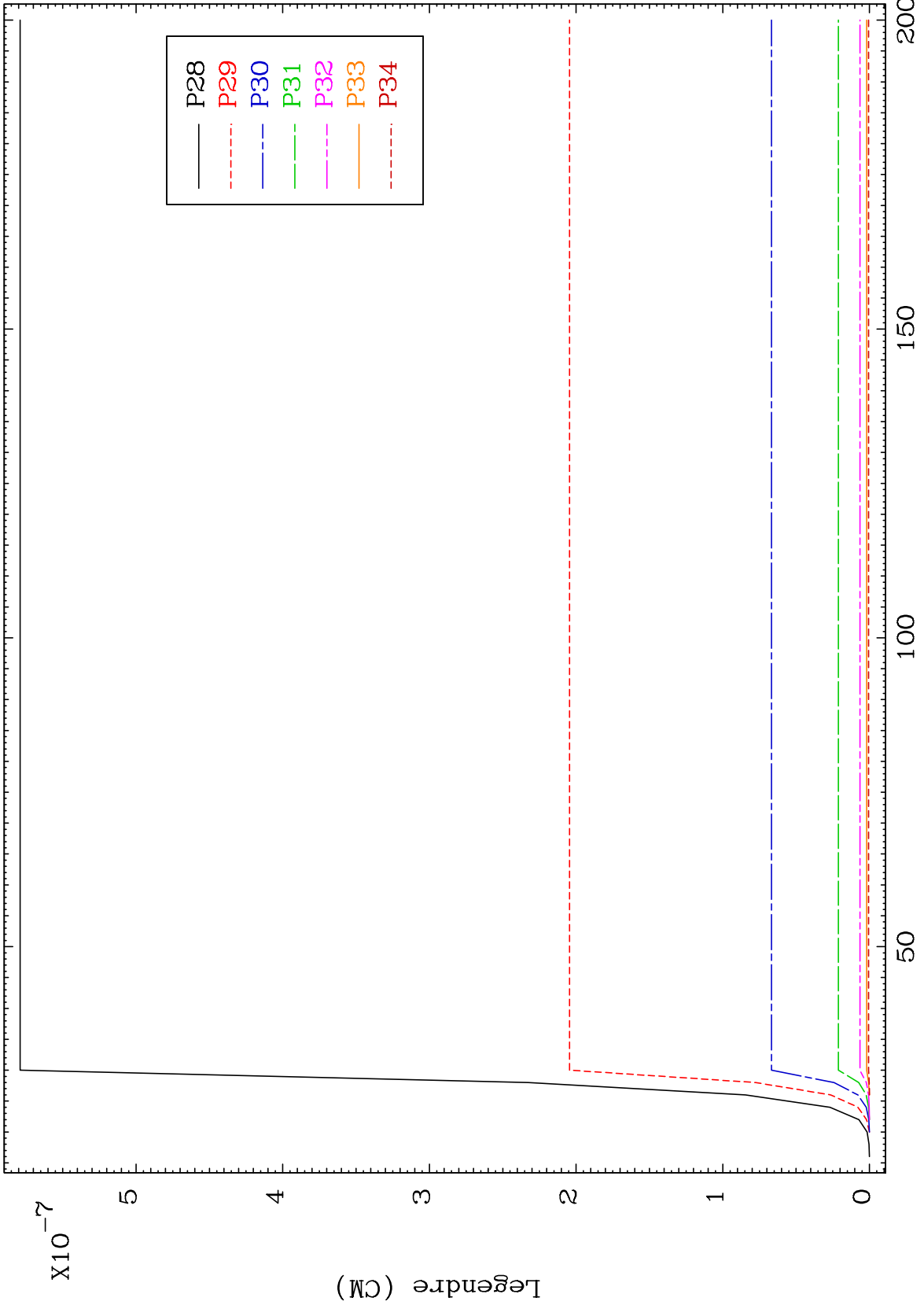
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41-Nb-100

MAT 4146

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

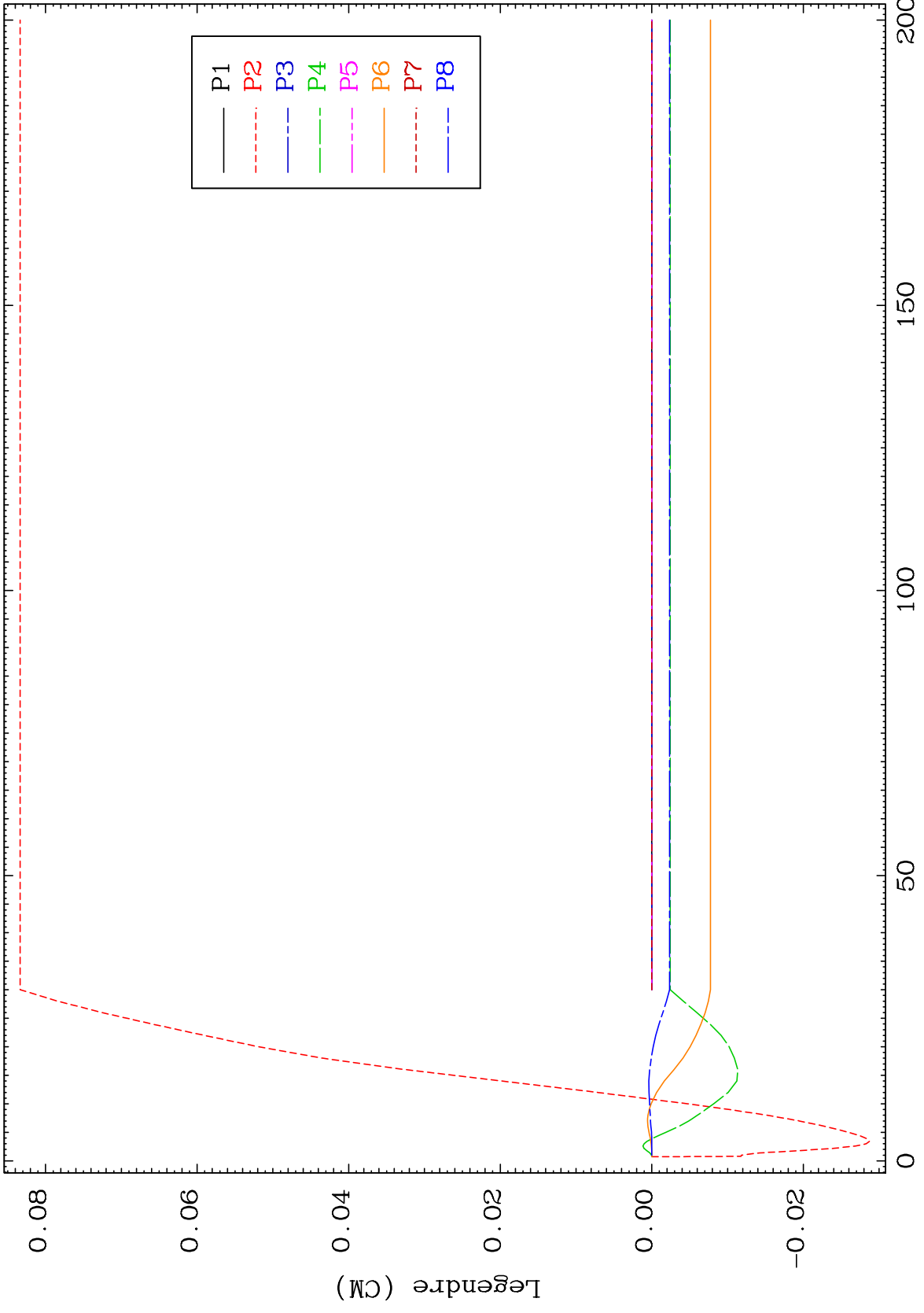
41-Nb-100



42

41-Nb-100

MAT 4146 MT= 58 (n,n') Level Legendre Coefficients 41-Nb-100

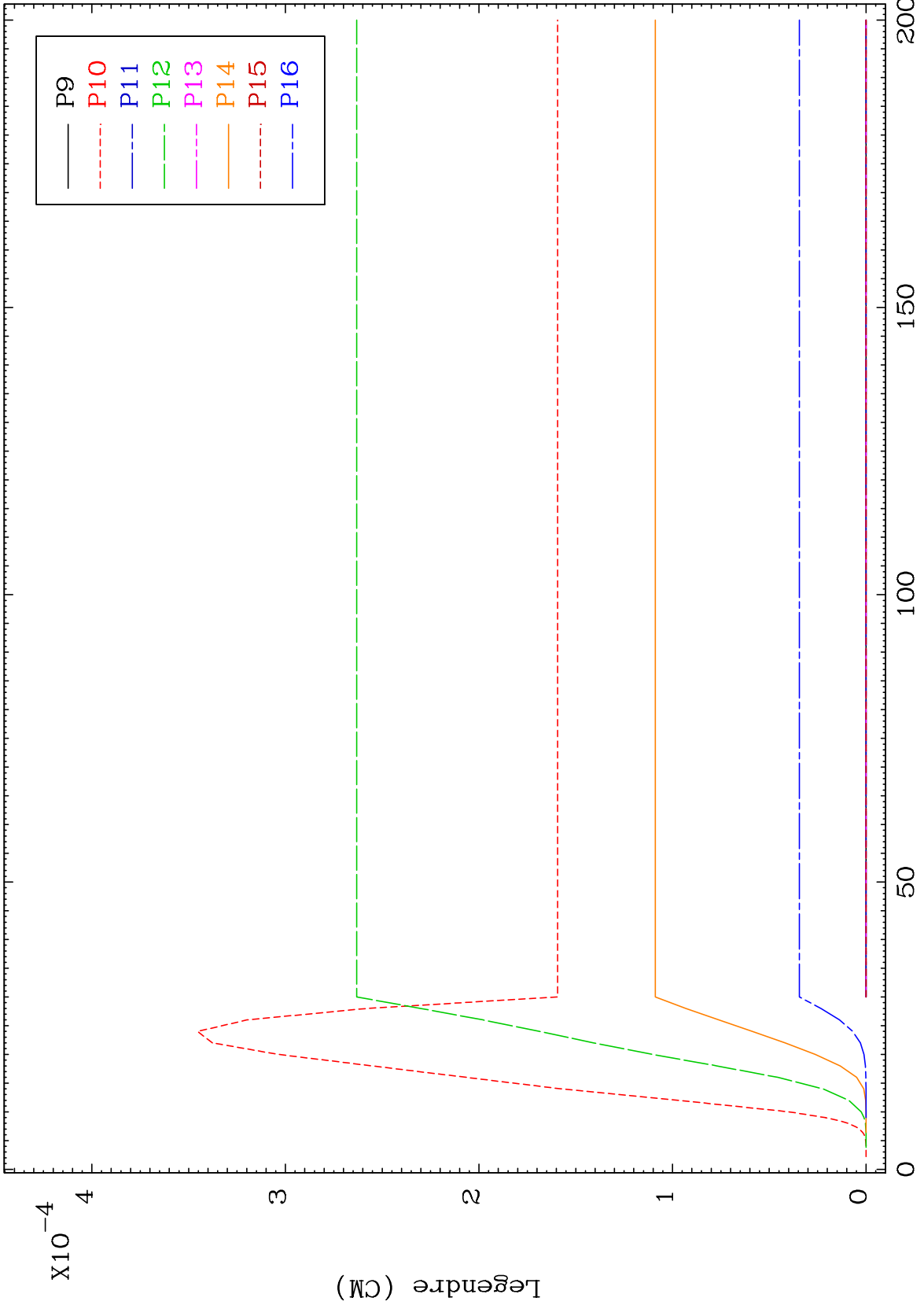


43 41-Nb-100

MAT 4146

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

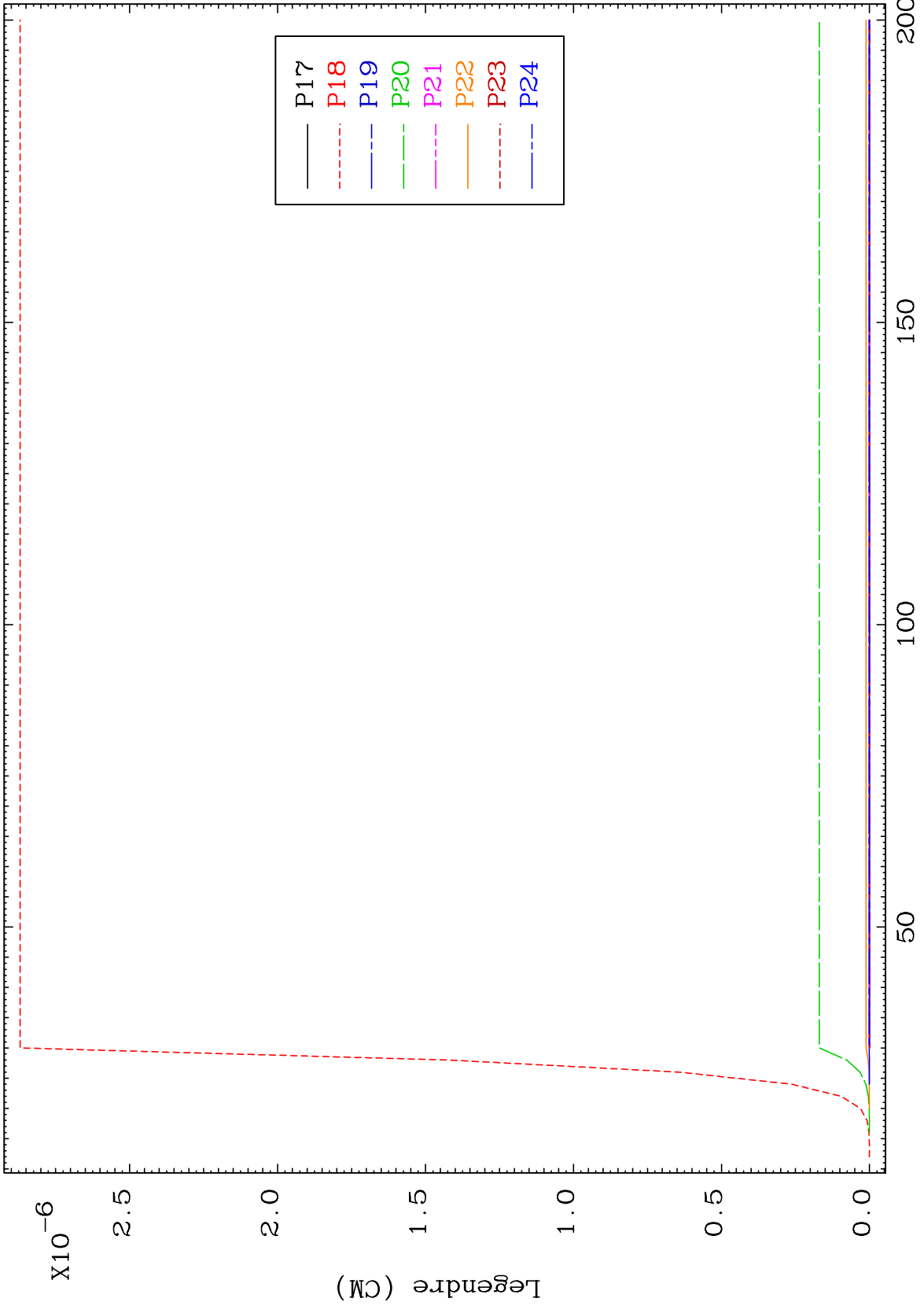
41-Nb-100



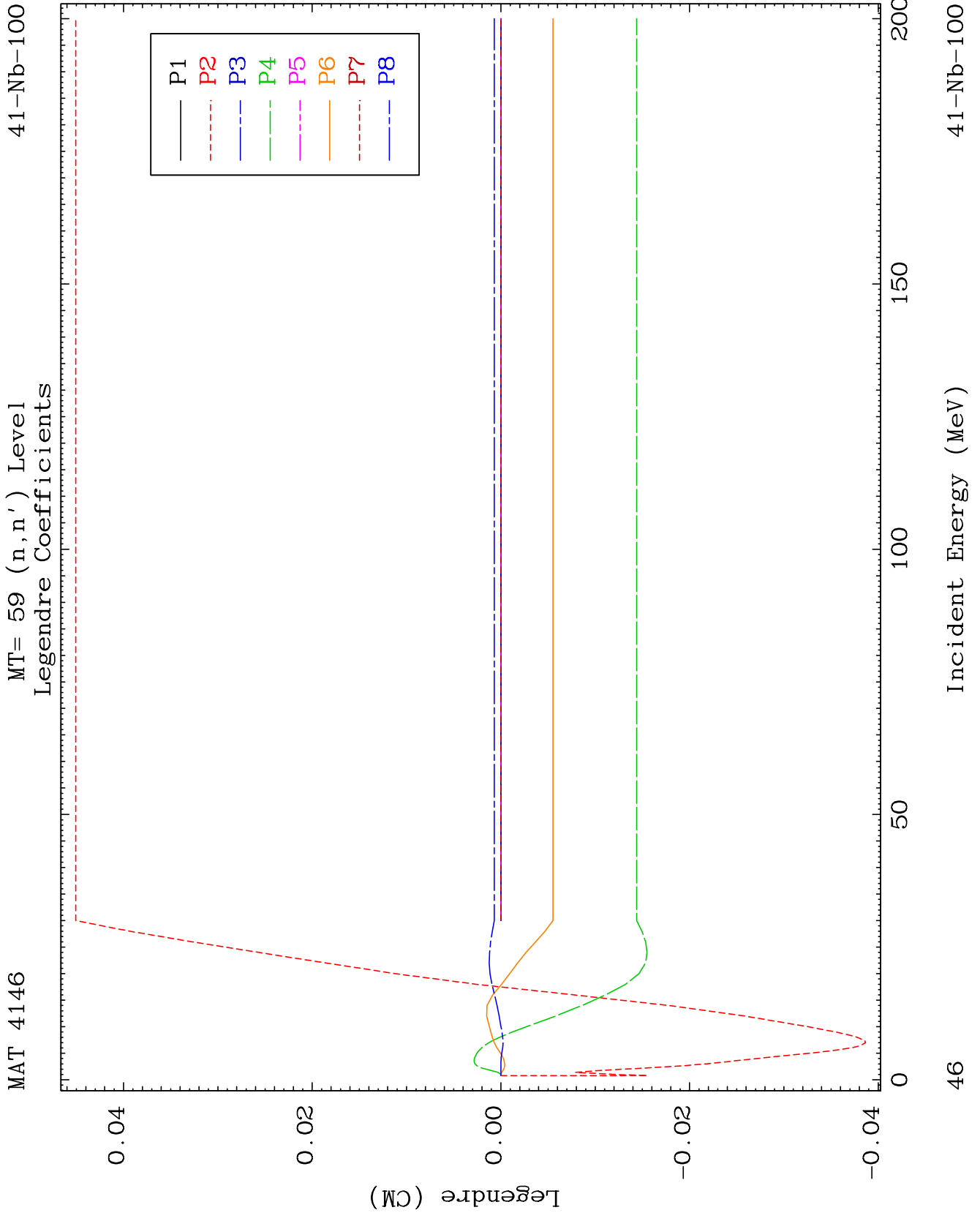
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41-Nb-100

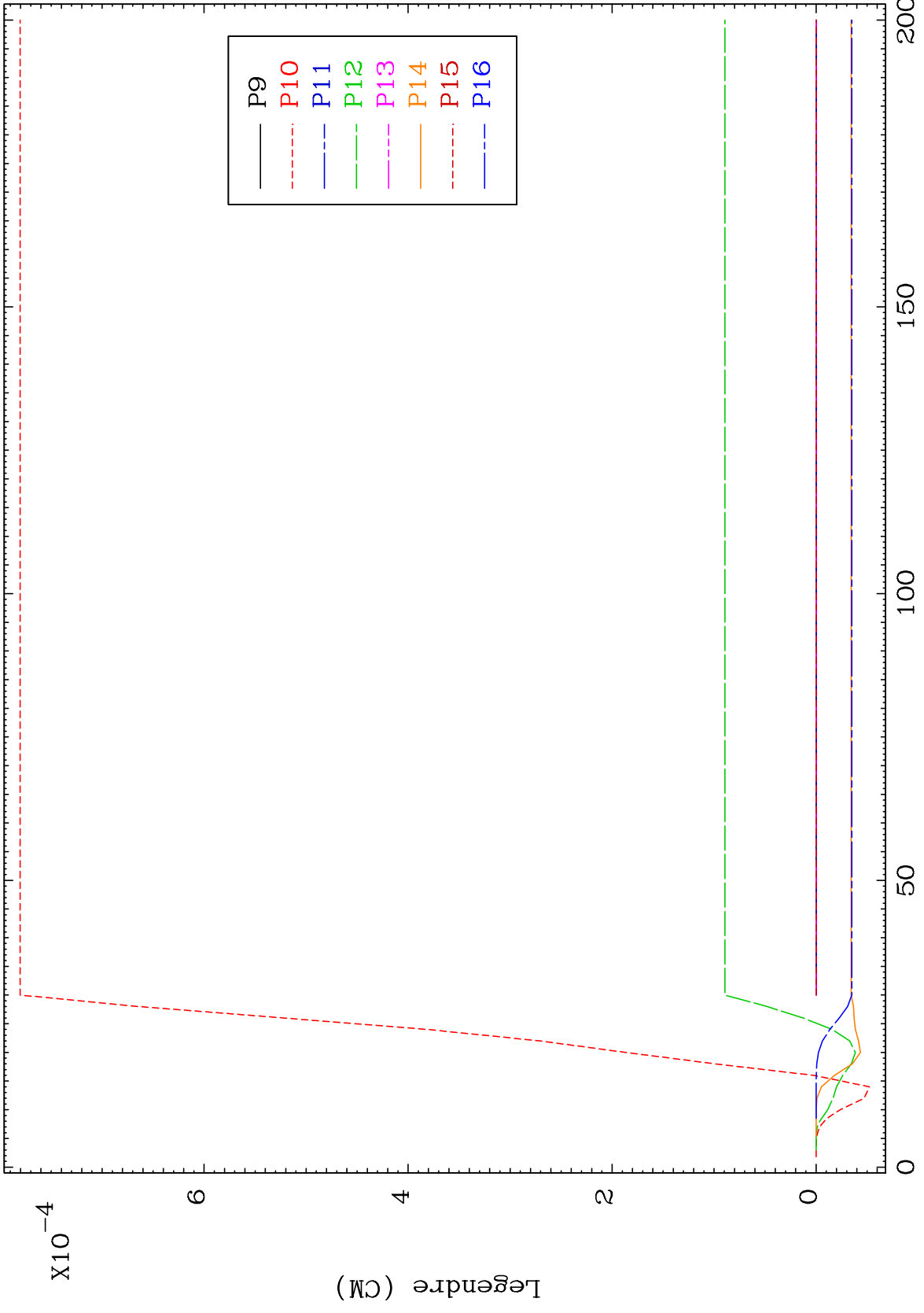
MAT 4146 MT= 58 (n,n') Level Legendre Coefficients 41-Nb-100



41-Nb-100 Incident Energy (MeV) 45 50 100 150 200



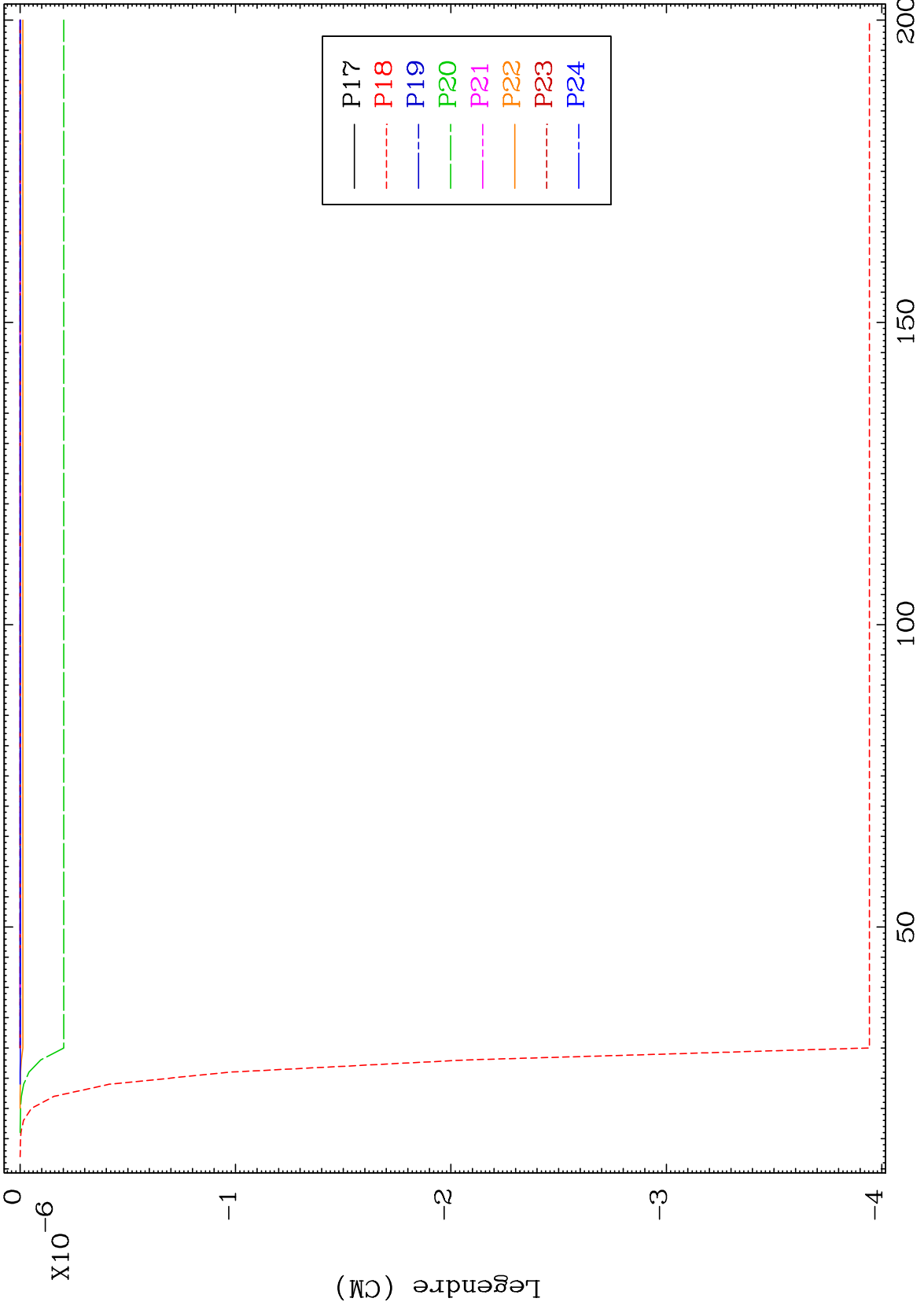
MAT 4146 MT= 59 (n,n') Level Legendre Coefficients 41-Nb-100



47 41-Nb-100



MAT 4146 MT= 59 (n,n') Level Legendre Coefficients 41-Nb-100

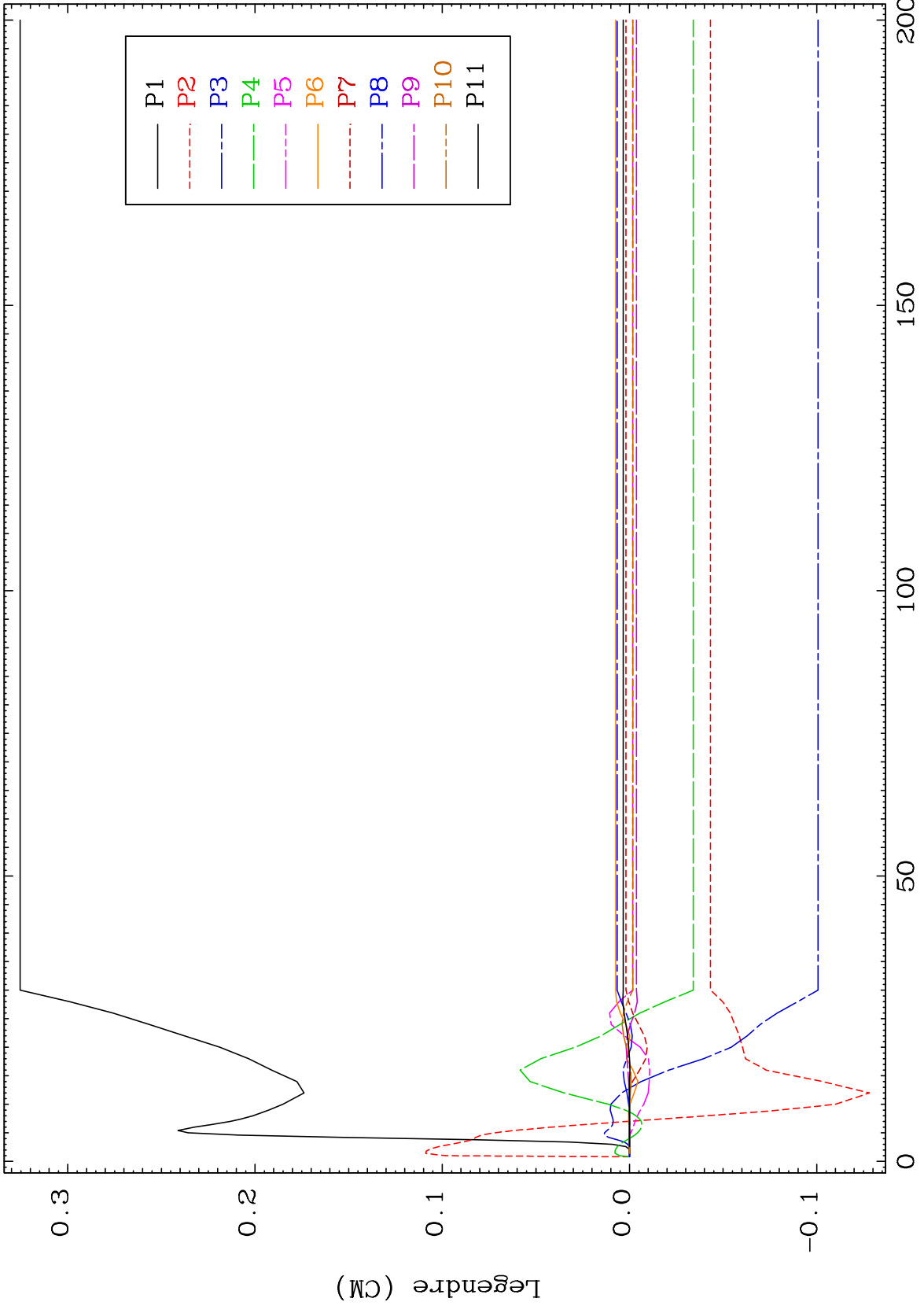


48 Incident Energy (MeV) 200 41-Nb-100

MAT 4146

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

41-Nb-100



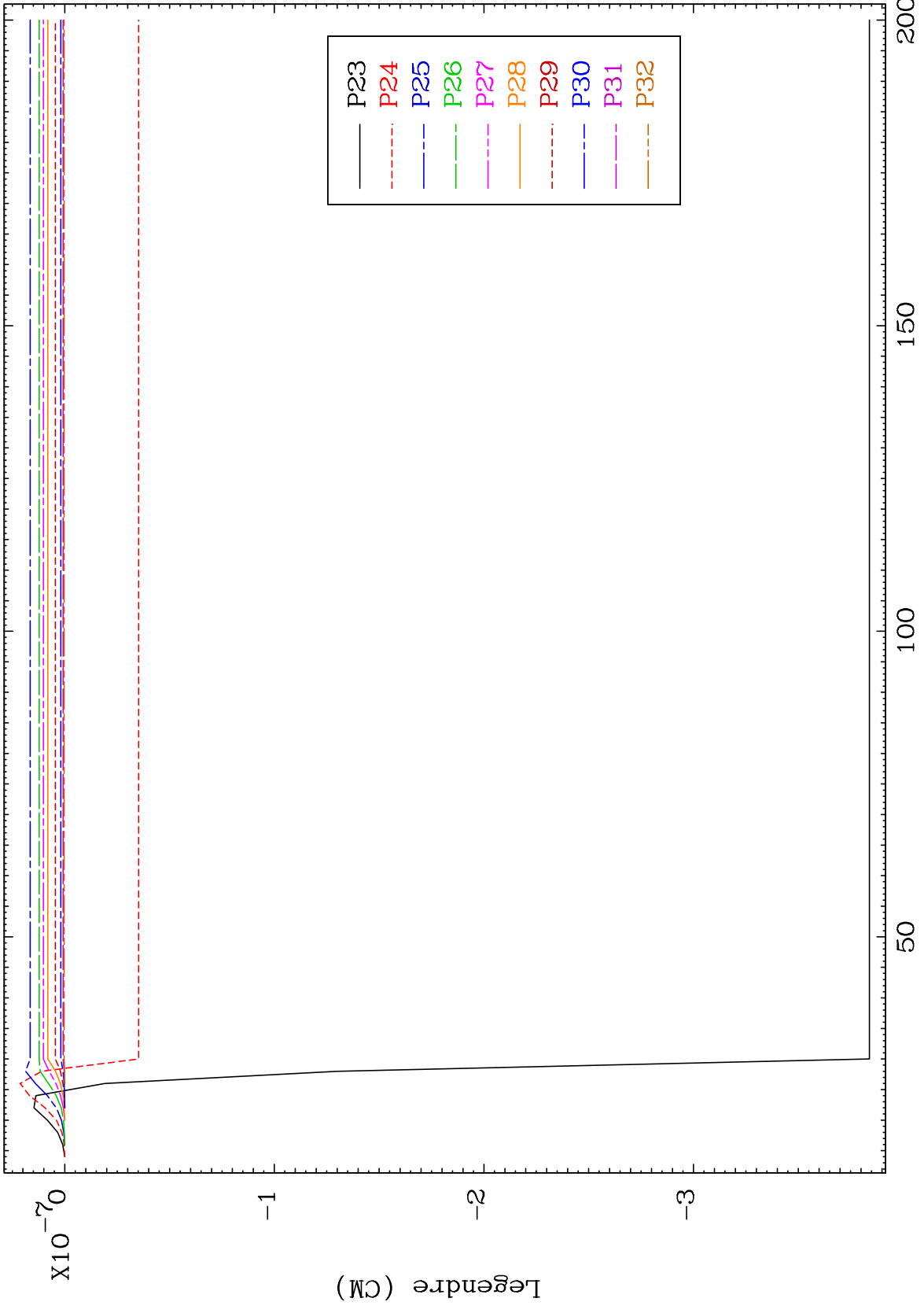
49

Incident Energy (MeV)

41-Nb-100



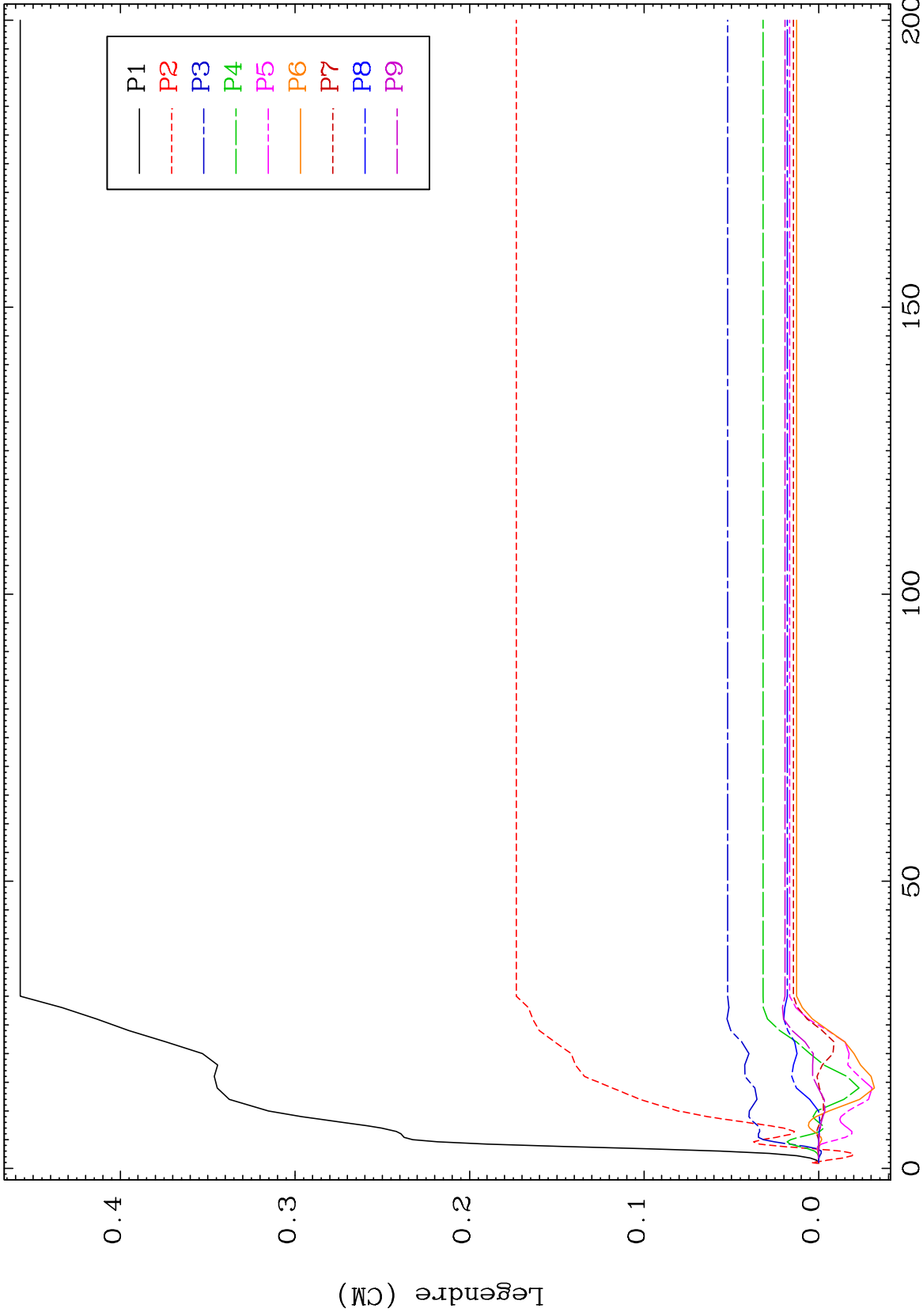
MAT 4146 MT= 60 (n,n') Level Legendre Coefficients 41-Nb-100



MAT 4146

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

41-Nb-100



52

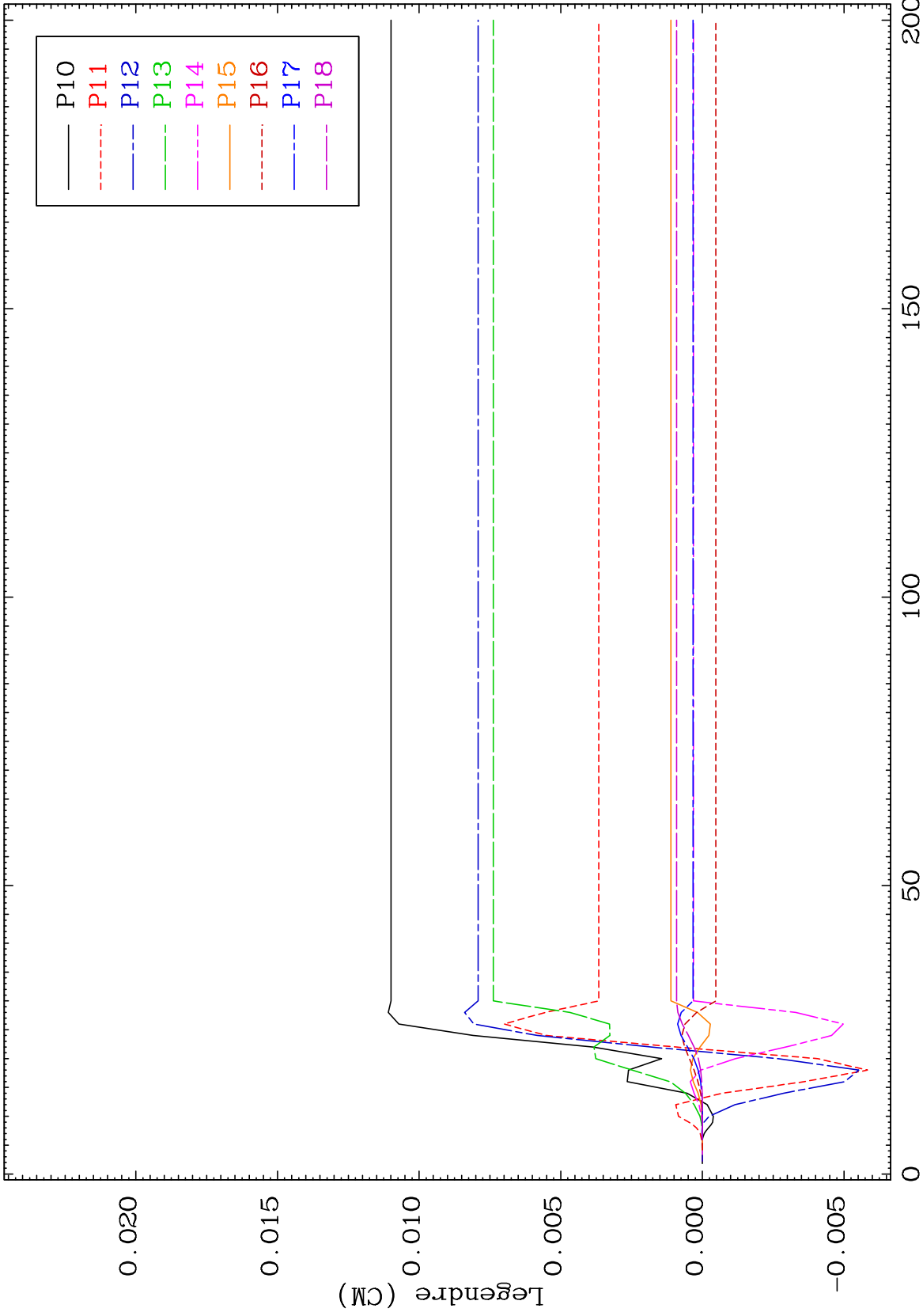
Incident Energy (MeV)

41-Nb-100

MAT 4146

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

41-Nb-100



53

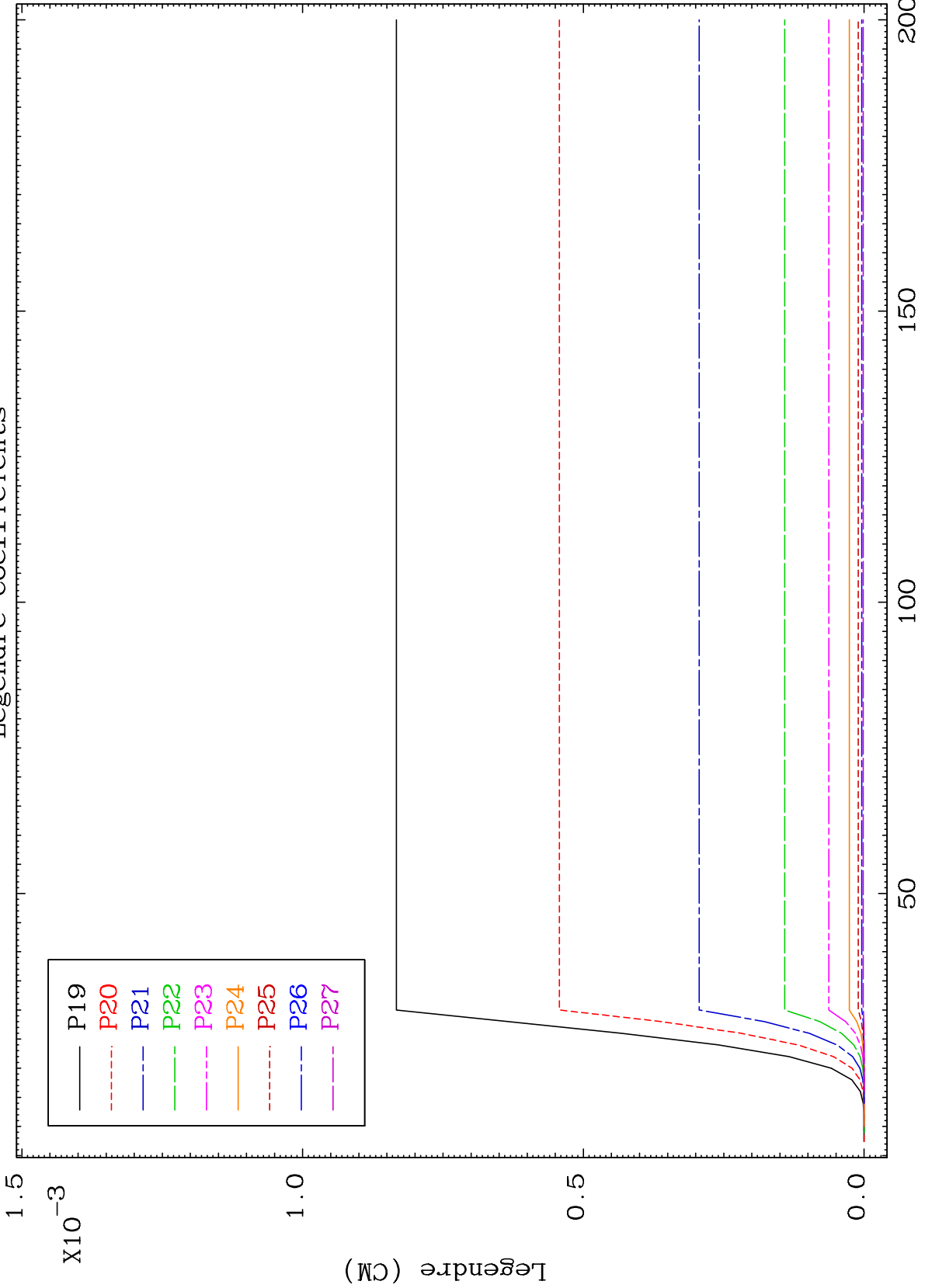
Incident Energy (MeV)

41-Nb-100

MAT 4146

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

41-Nb-100



54

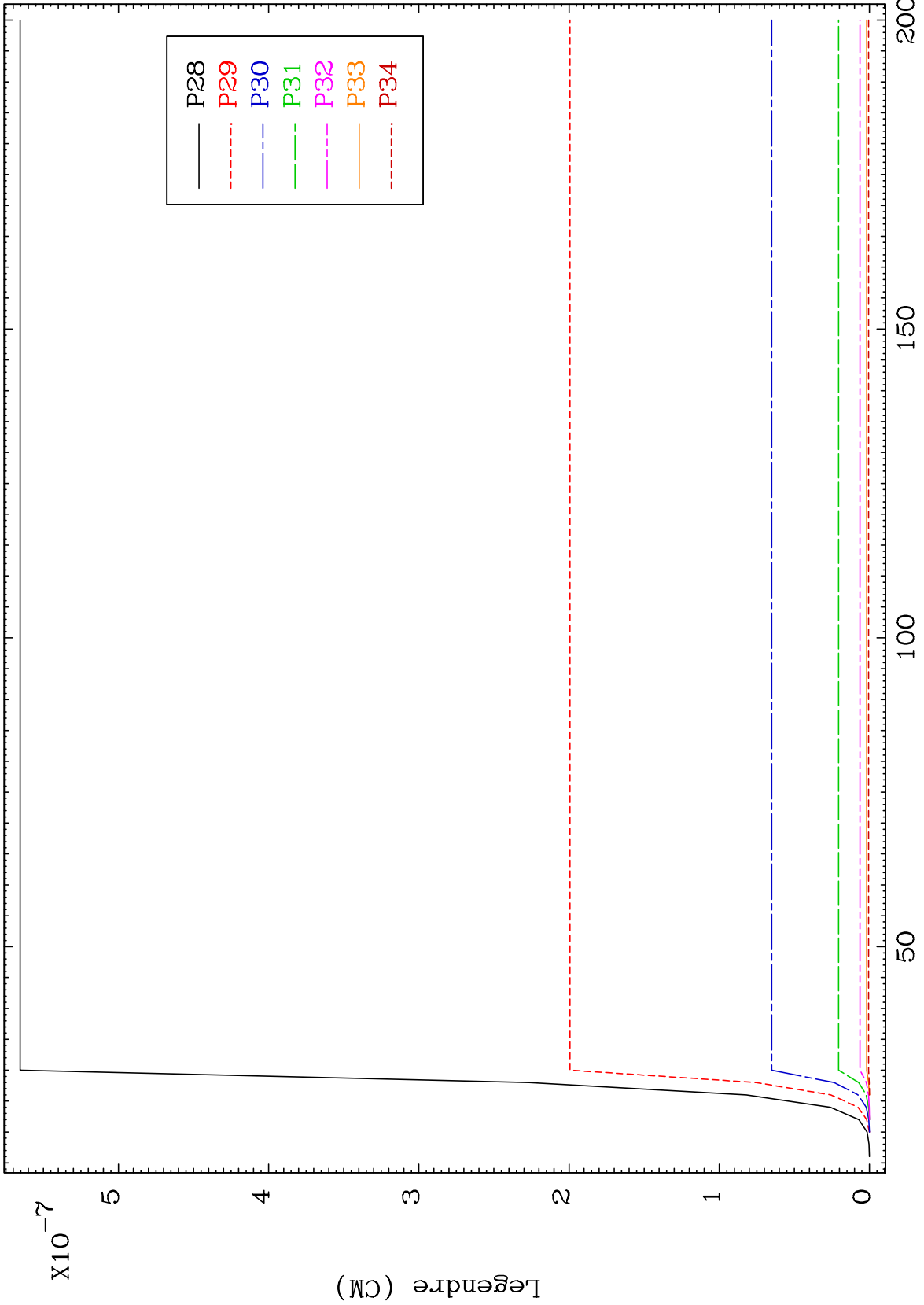
Incident Energy (MeV)

41-Nb-100

MAT 4146

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

41-Nb-100

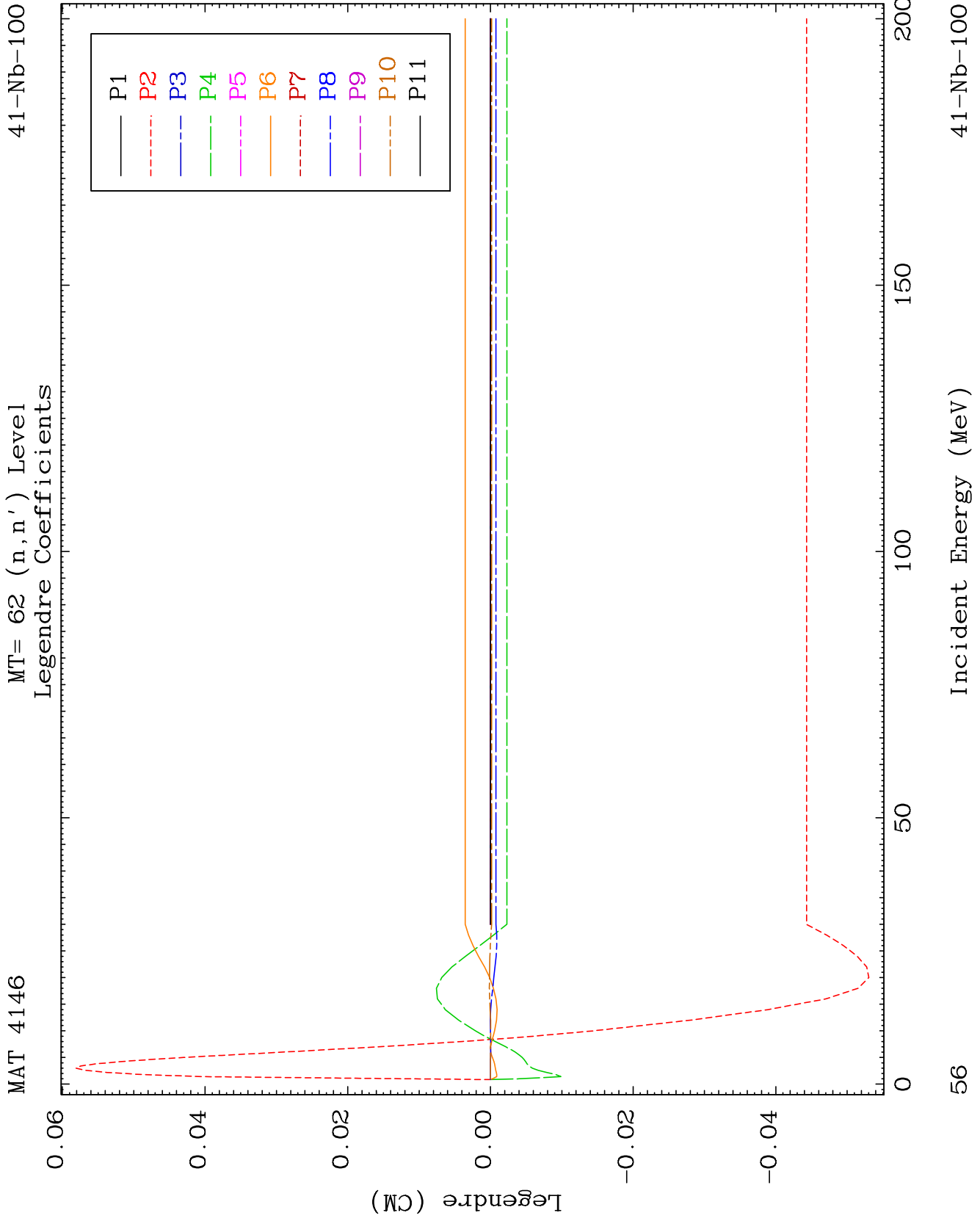


55

Incident Energy (MeV)

41-Nb-100

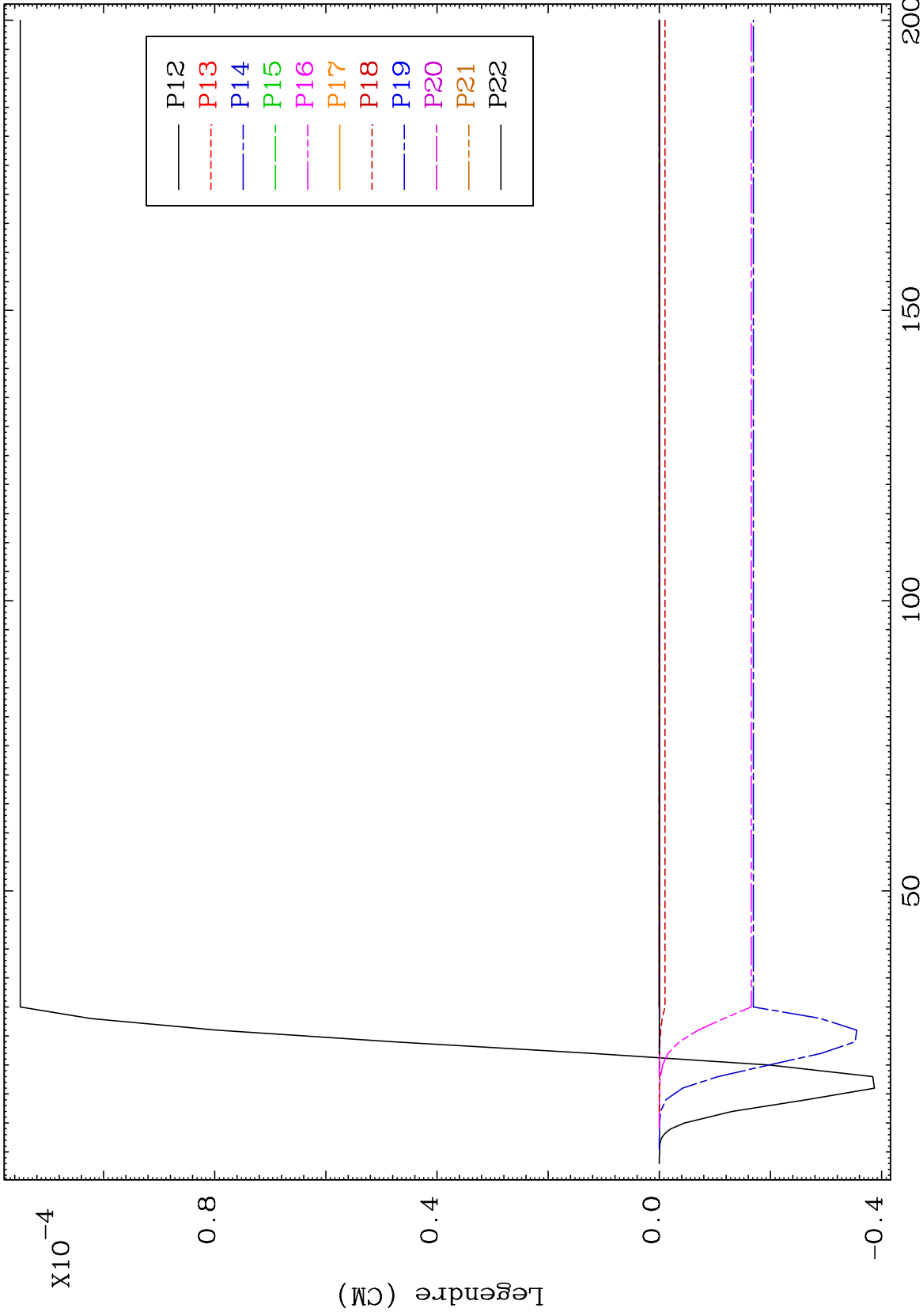




MAT 4146

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

41-Nb-100



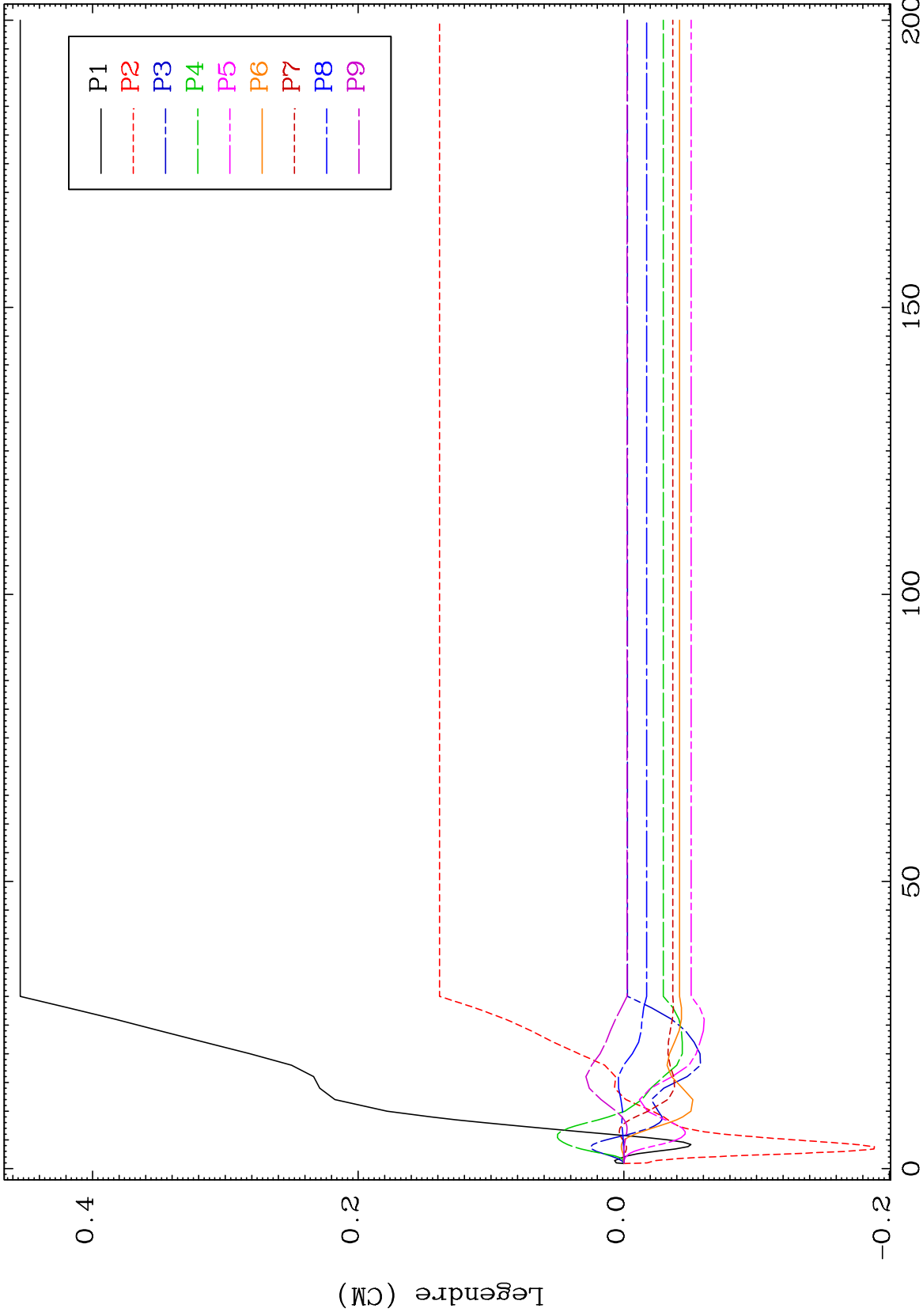
57

41-Nb-100

MAT 4146

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

41-Nb-100



58

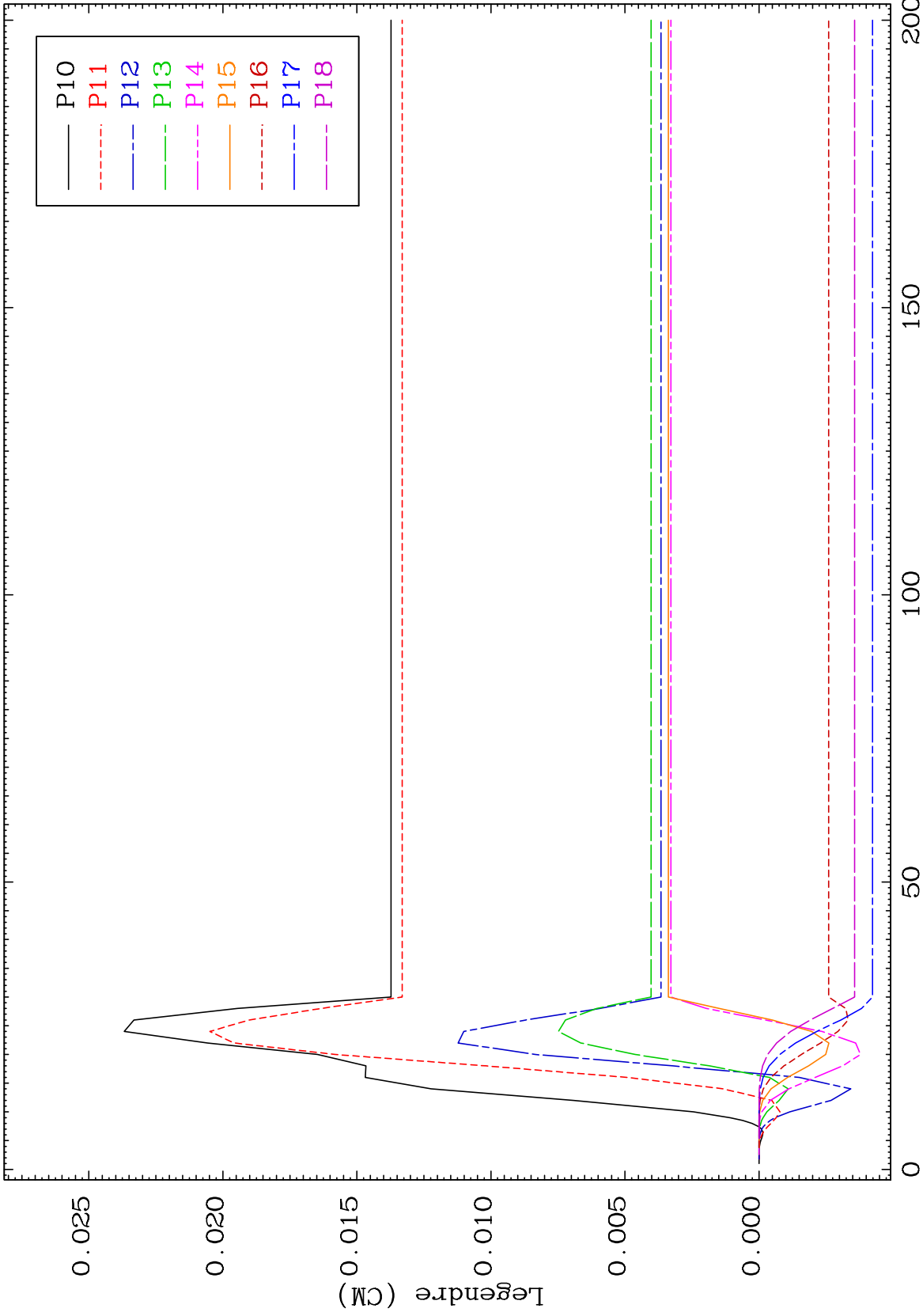
Incident Energy (MeV)

41-Nb-100

MAT 4146

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

41-Nb-100

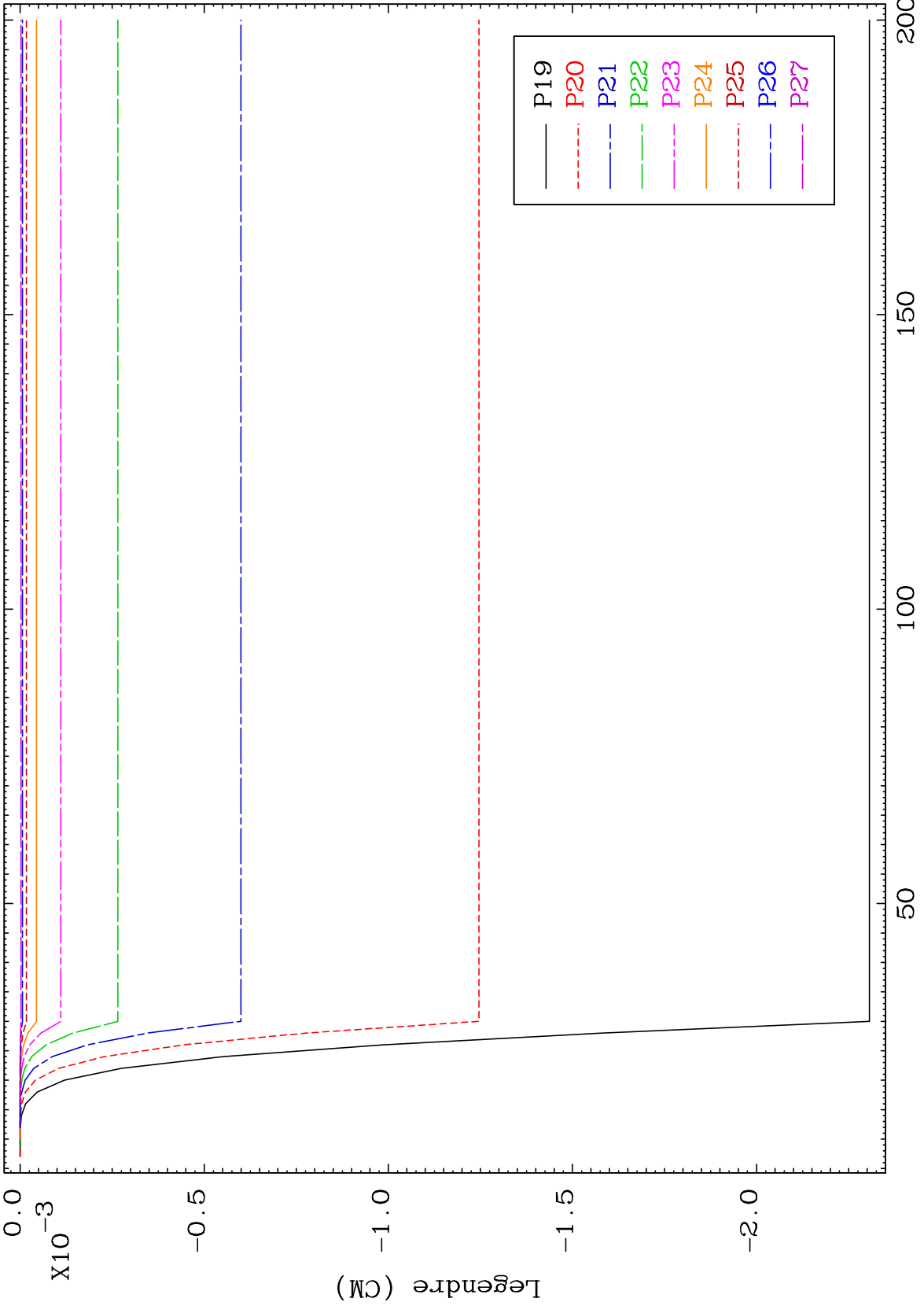


59

Incident Energy (MeV)

41-Nb-100

MAT 4146 MT= 63 (n,n') Level Legendre Coefficients 41-Nb-100

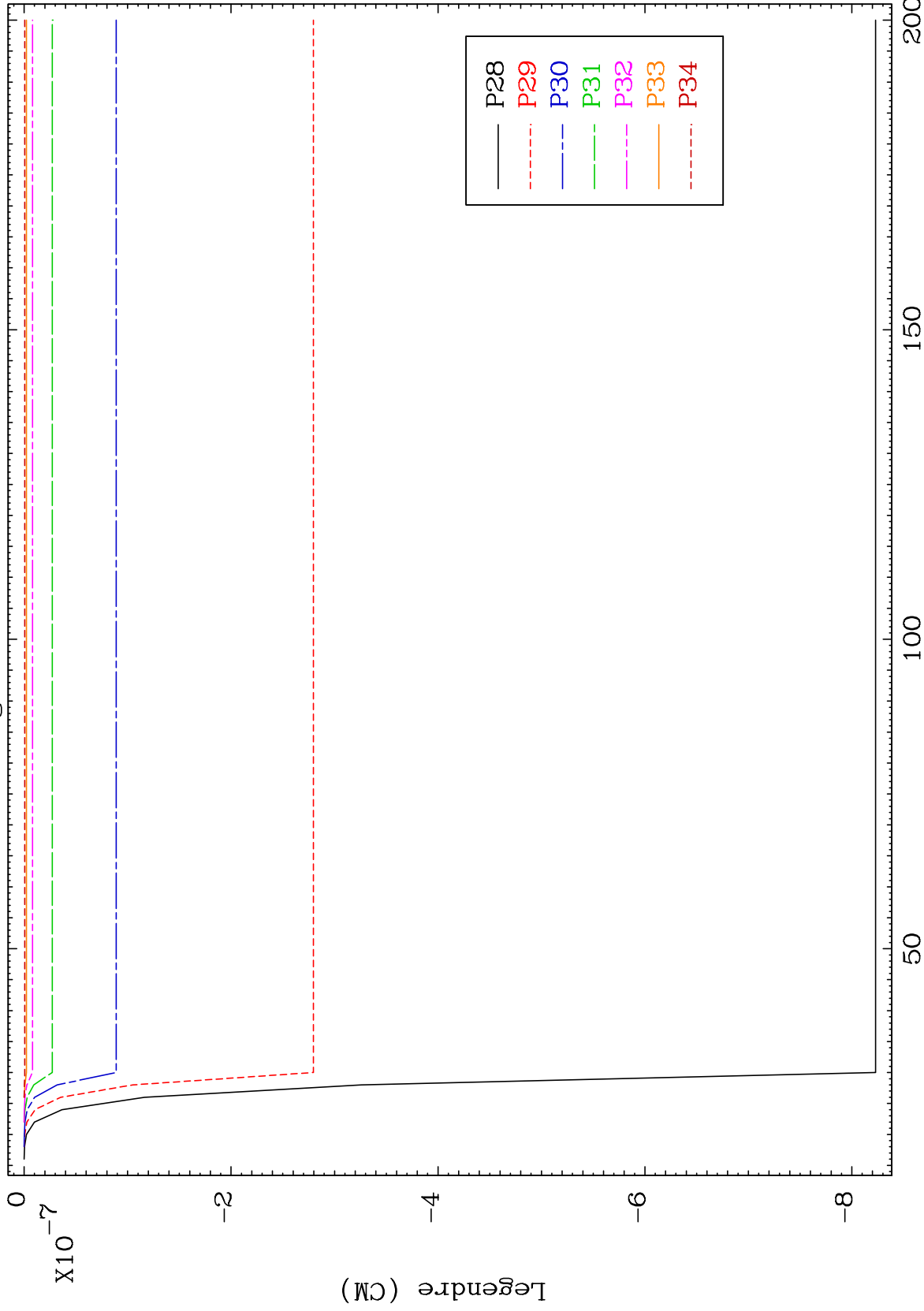


60 Incident Energy (MeV) 41-Nb-100

MAT 4146

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

41-Nb-100



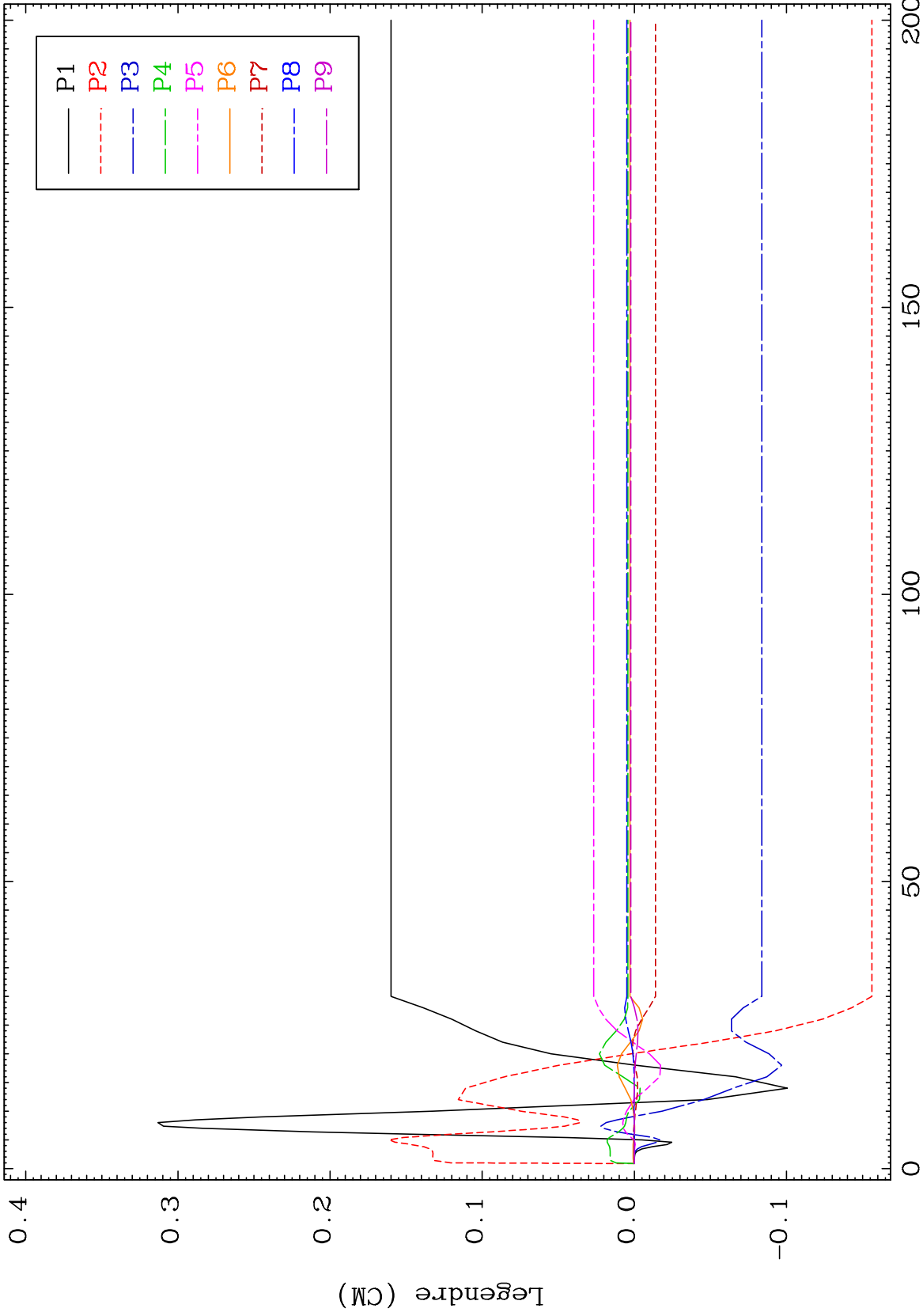
61

41-Nb-100

MAT 4146

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

41-Nb-100



62

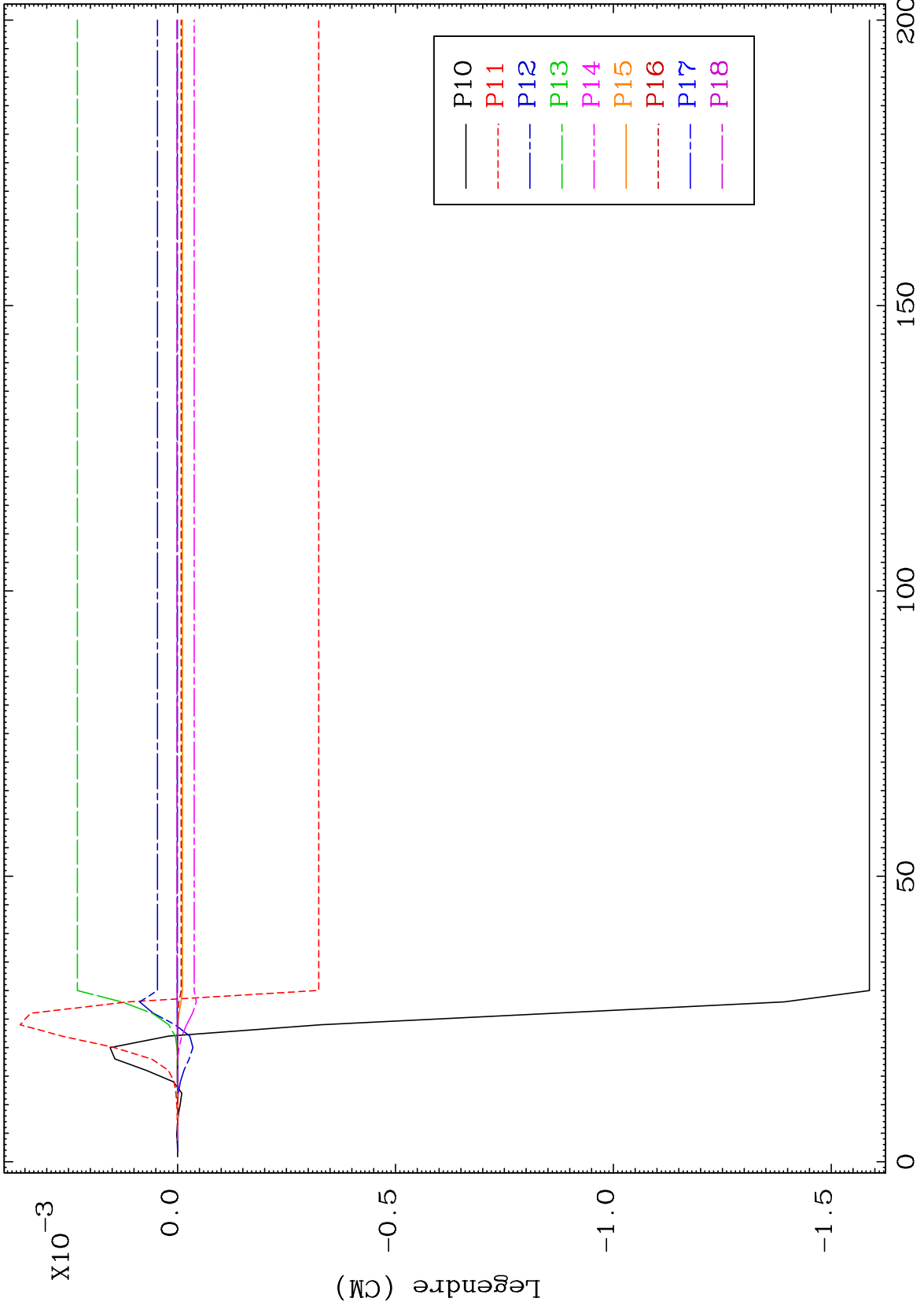
Incident Energy (MeV)

41-Nb-100

MAT 4146

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

41-Nb-100



63

Incident Energy (MeV)

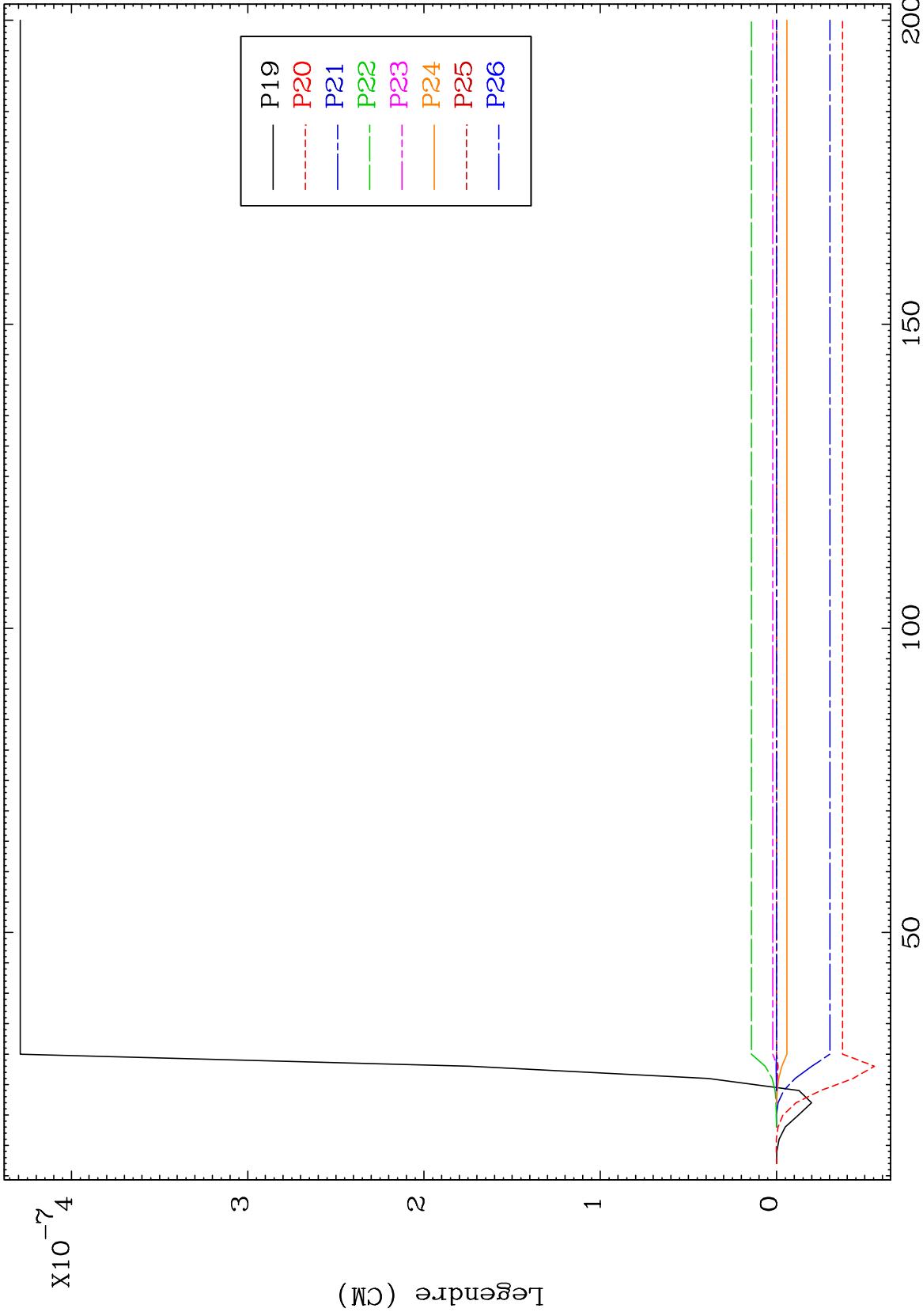
41-Nb-100



MAT 4146

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

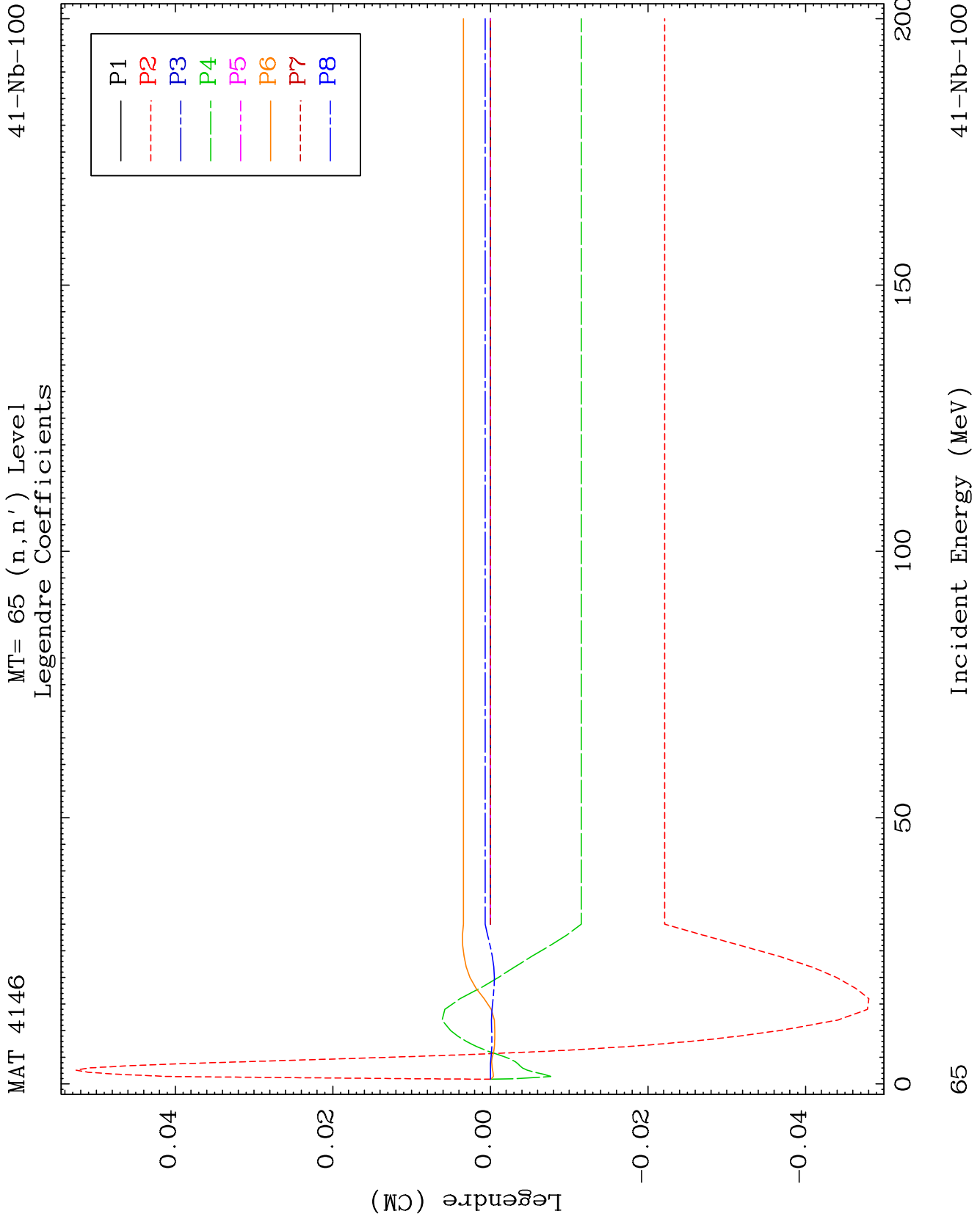
41-Nb-100



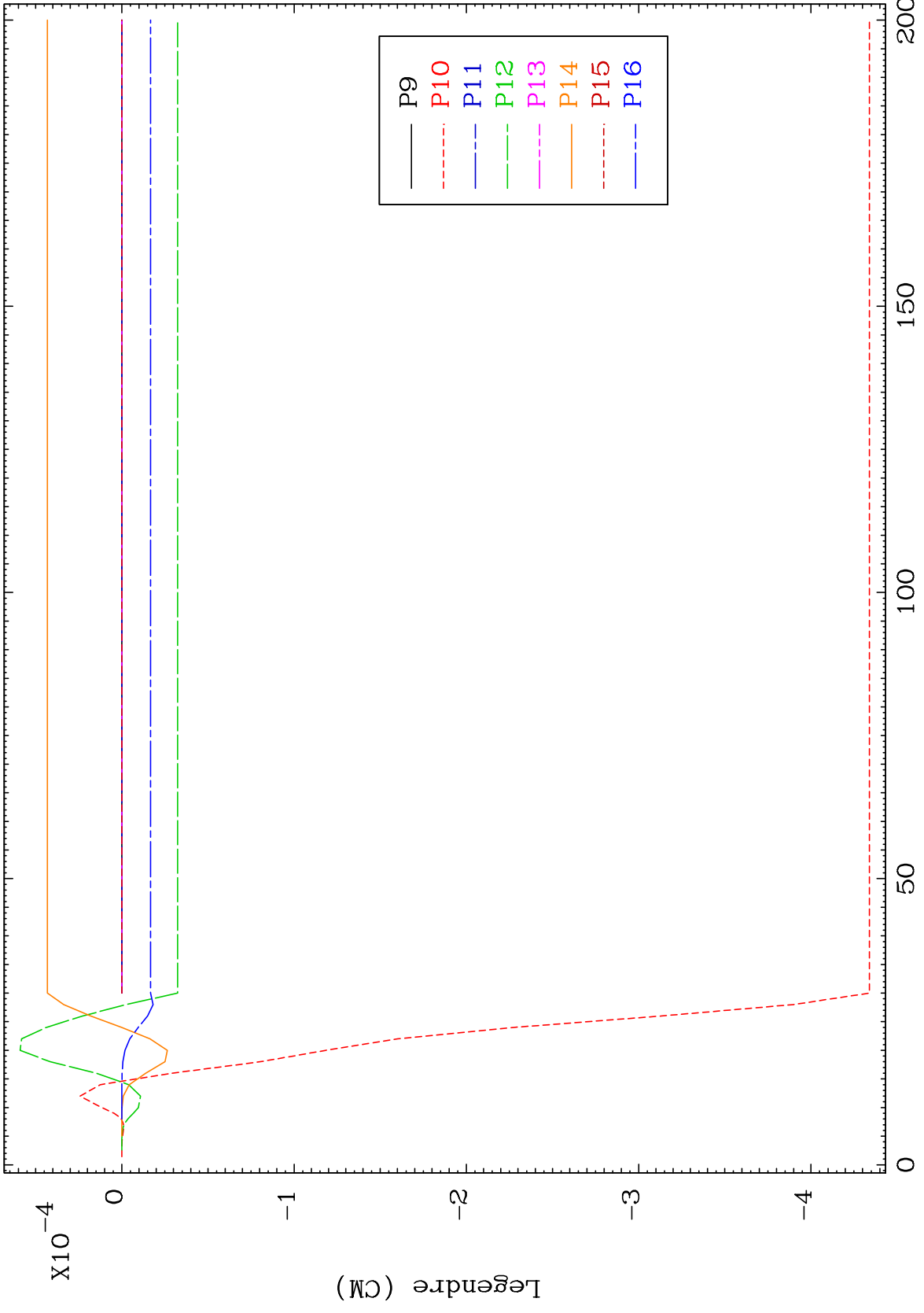
64

Incident Energy (MeV)

41-Nb-100

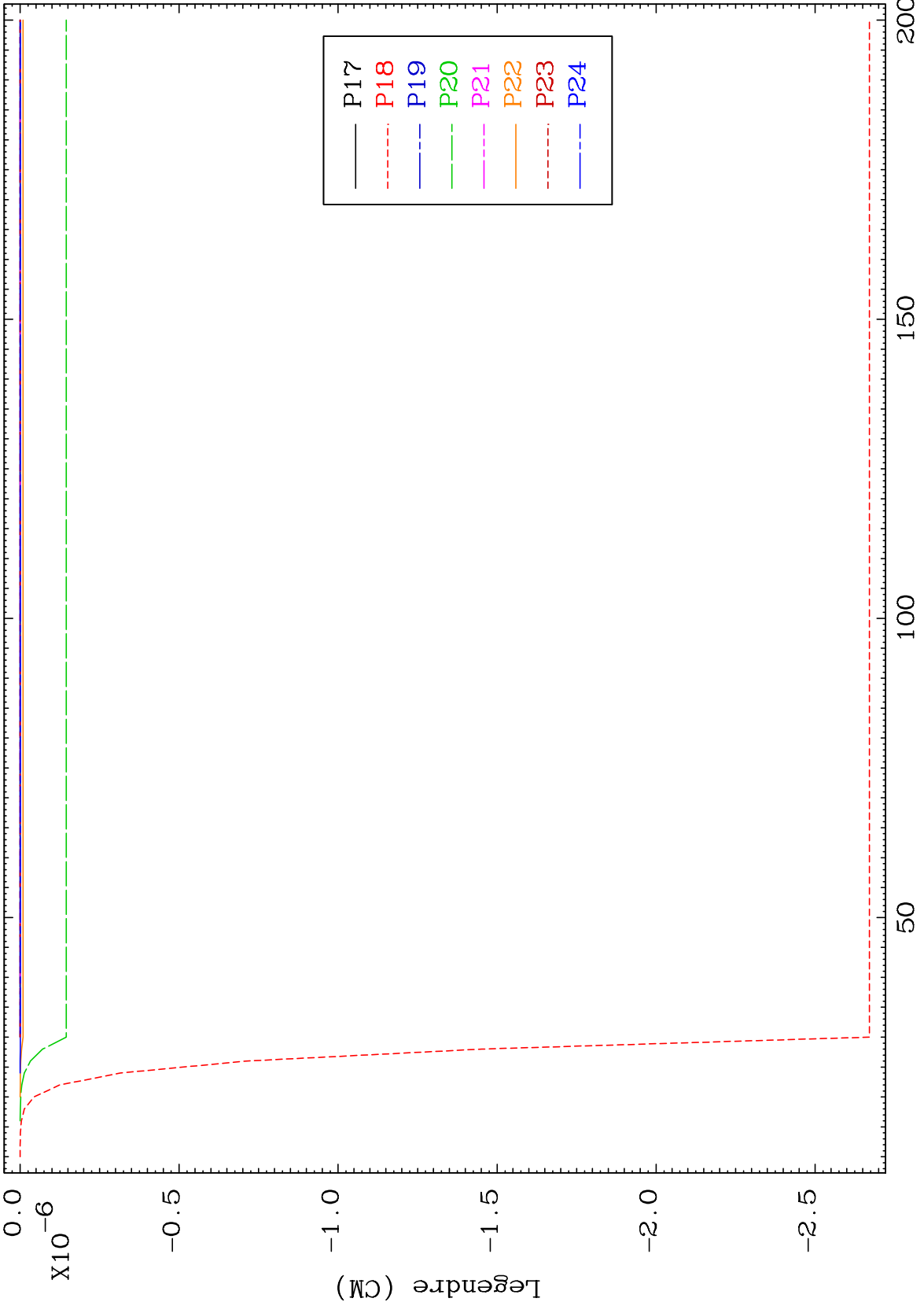


MAT 4146 MT= 65 (n,n') Level Legendre Coefficients 41-Nb-100



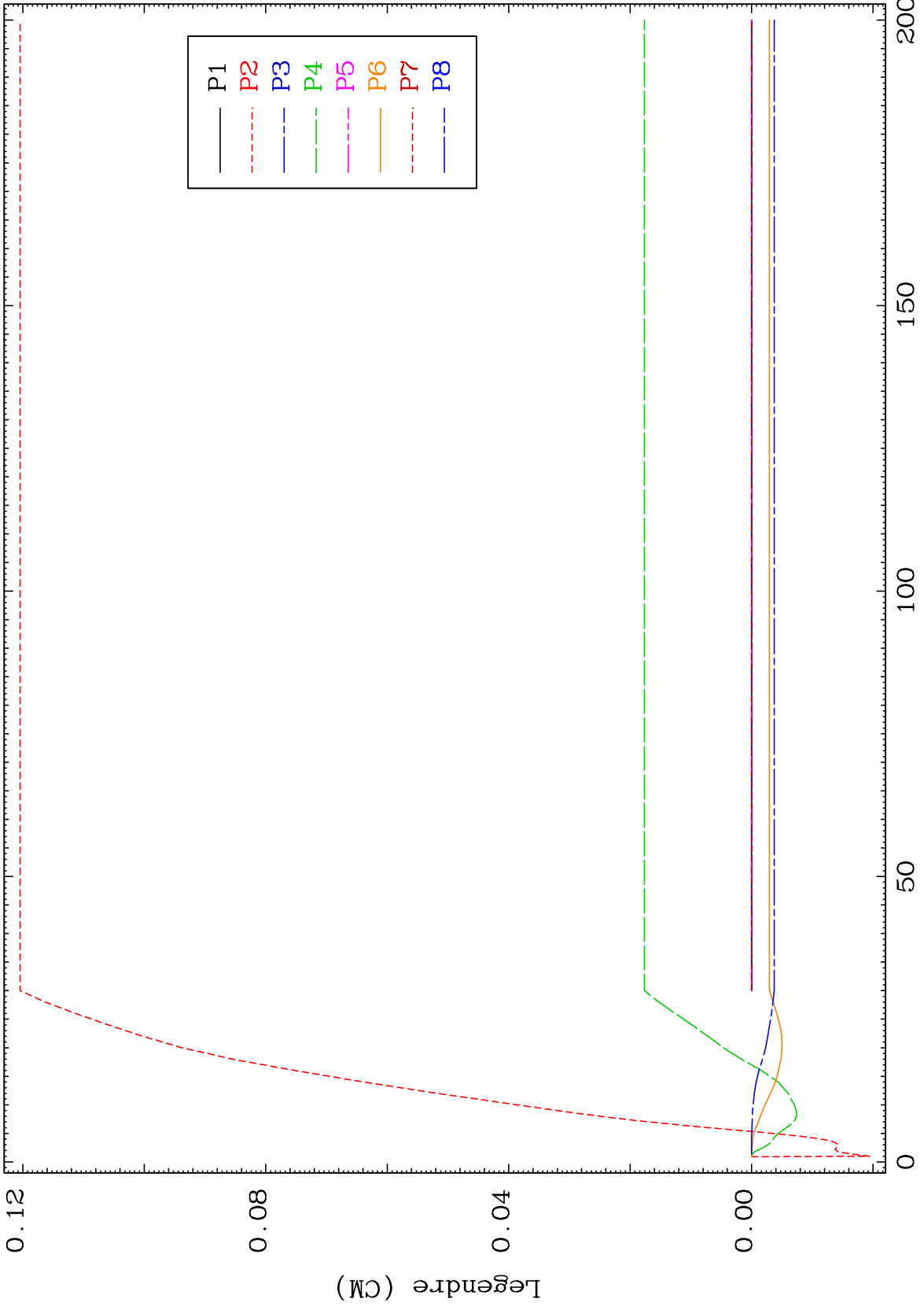
66 41-Nb-100

MAT 4146 MT= 65 (n,n') Level Legendre Coefficients 41-Nb-100



67 41-Nb-100

MAT 4146 MT= 66 (n,n') Level Legendre Coefficients 41-Nb-100

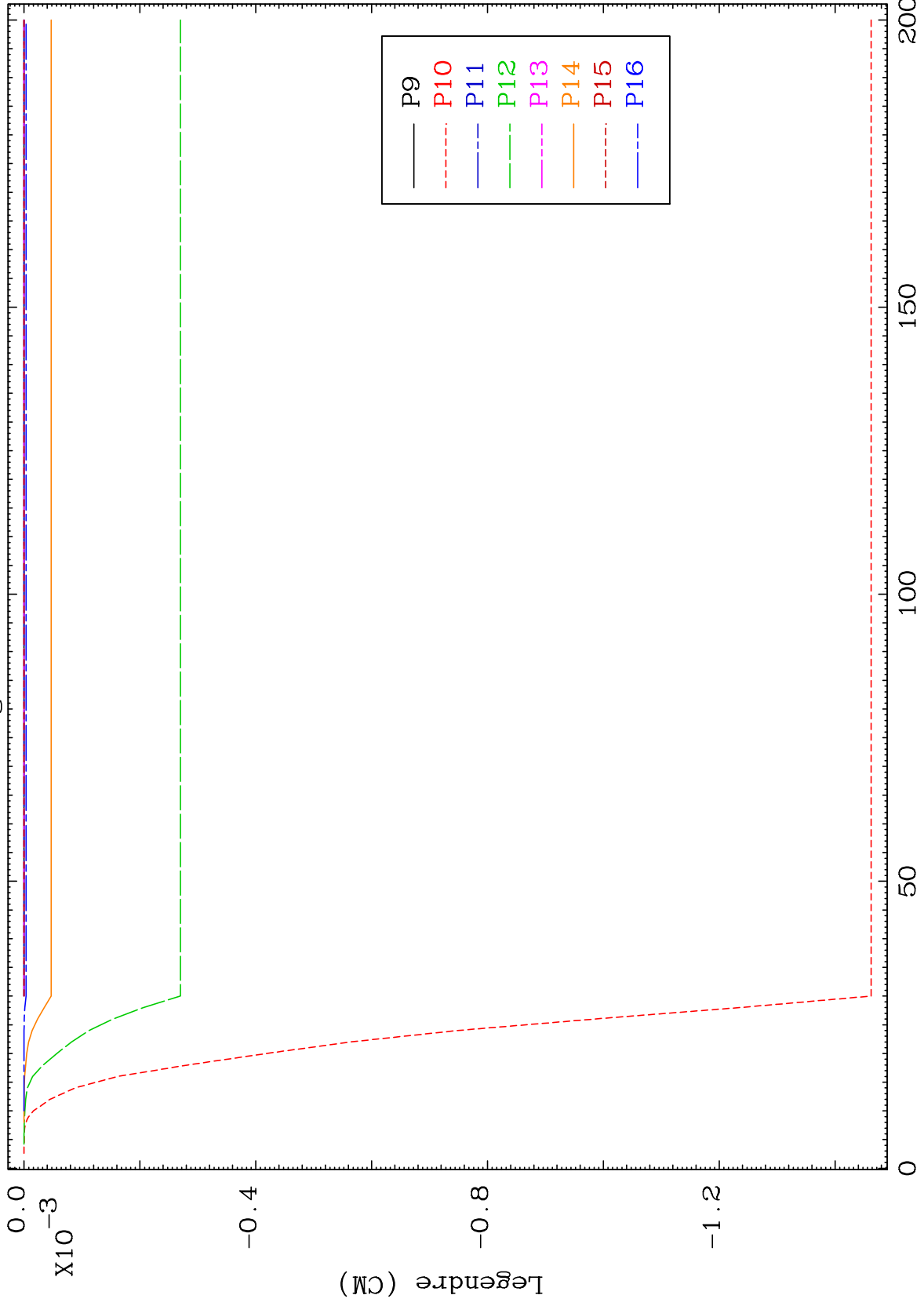


68 41-Nb-100

MAT 4146

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

41-Nb-100



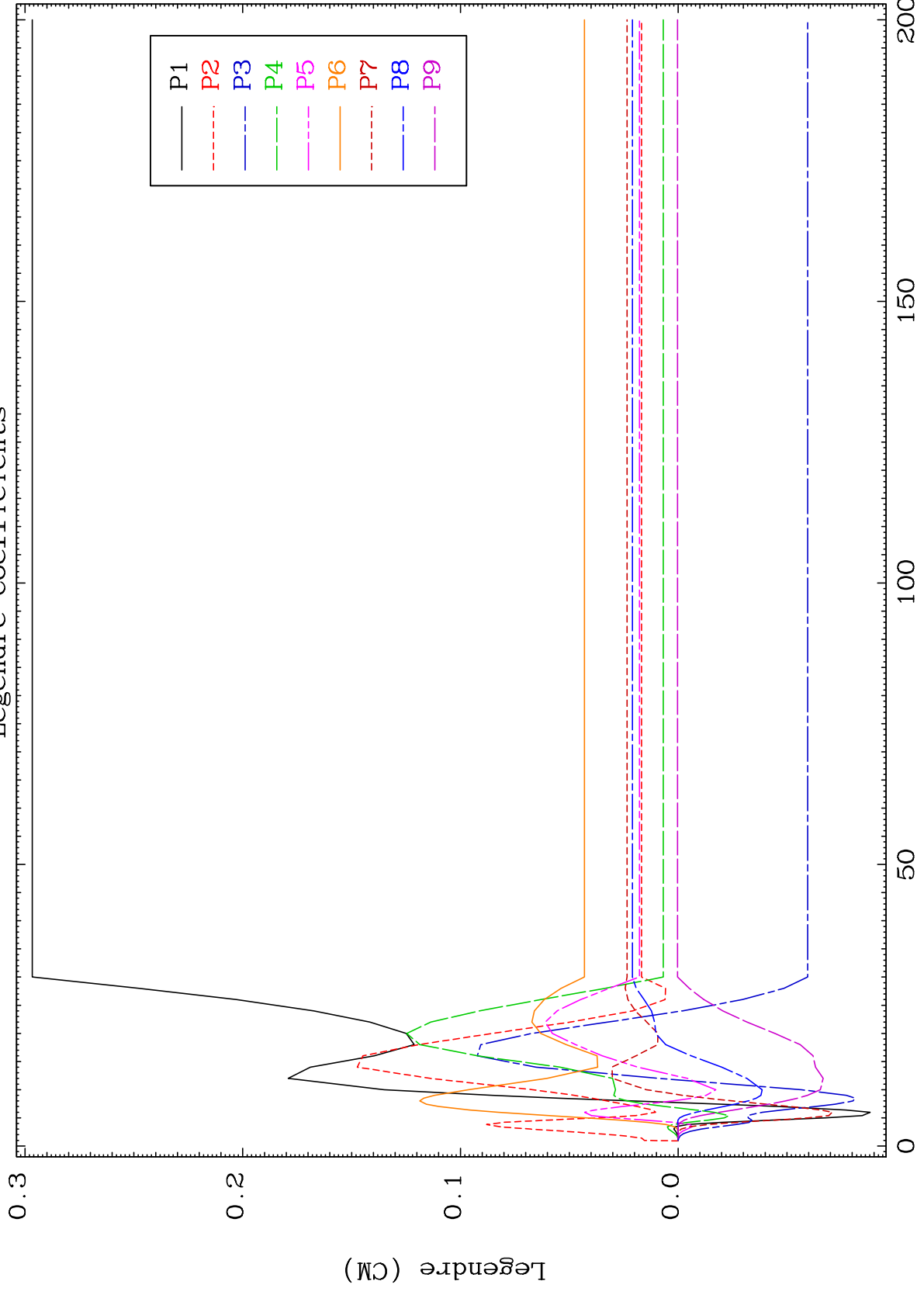
41-Nb-100

Incident Energy (MeV)

69



MAT 4146 MT= 67 (n,n') Level Legendre Coefficients 41-Nb-100



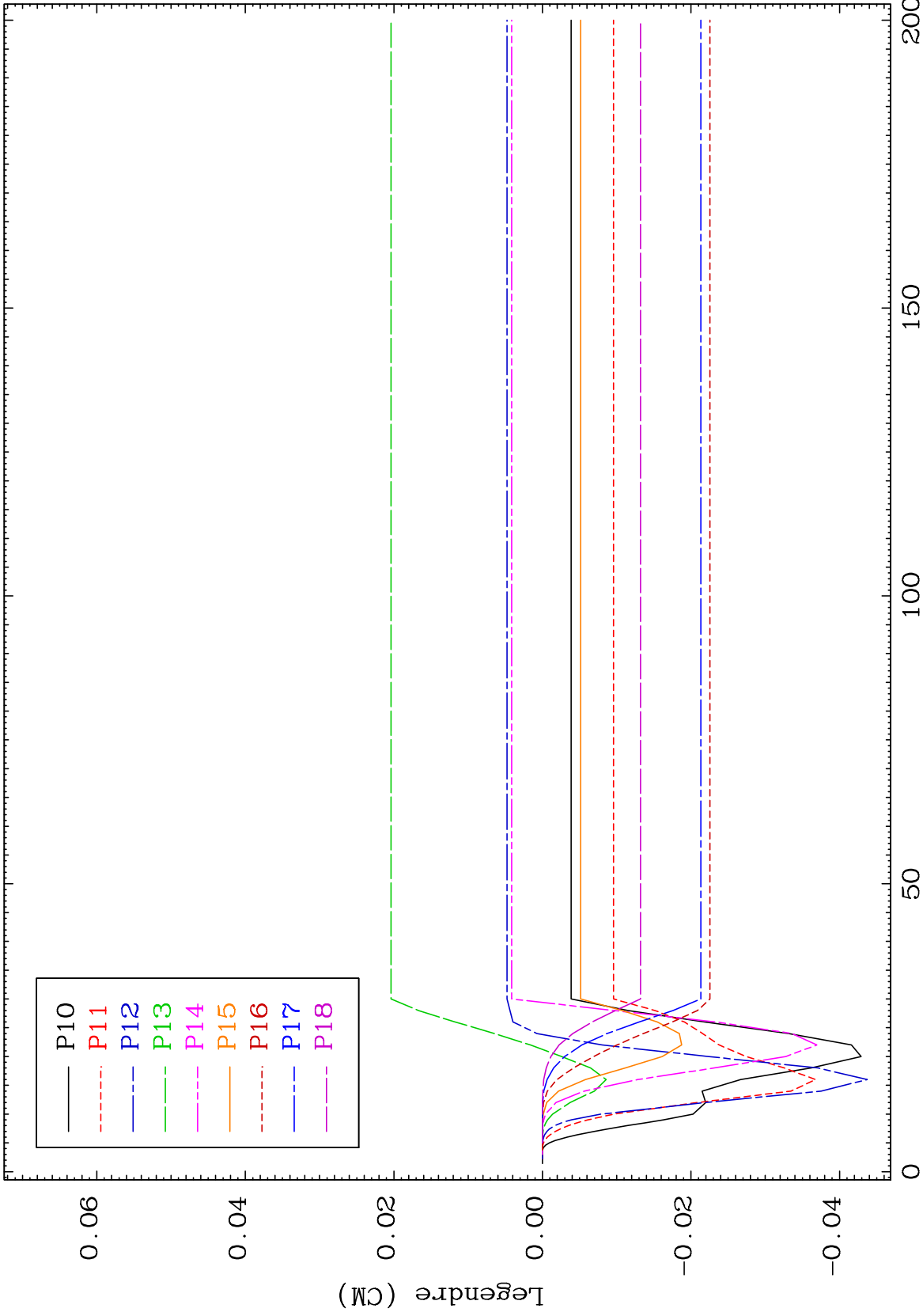
71 41-Nb-100



MAT 4146

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

41-Nb-100

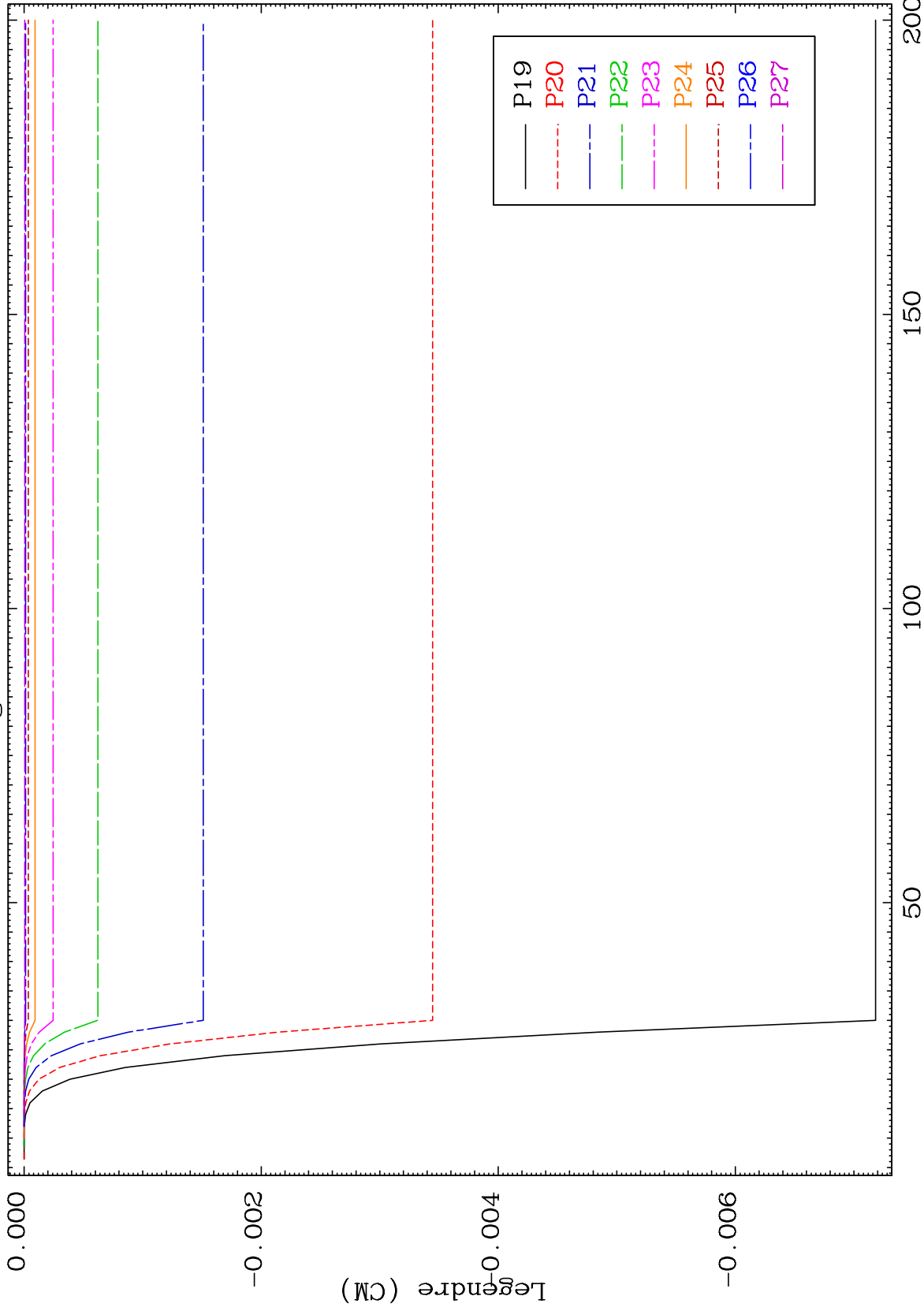


72

Incident Energy (MeV)

41-Nb-100

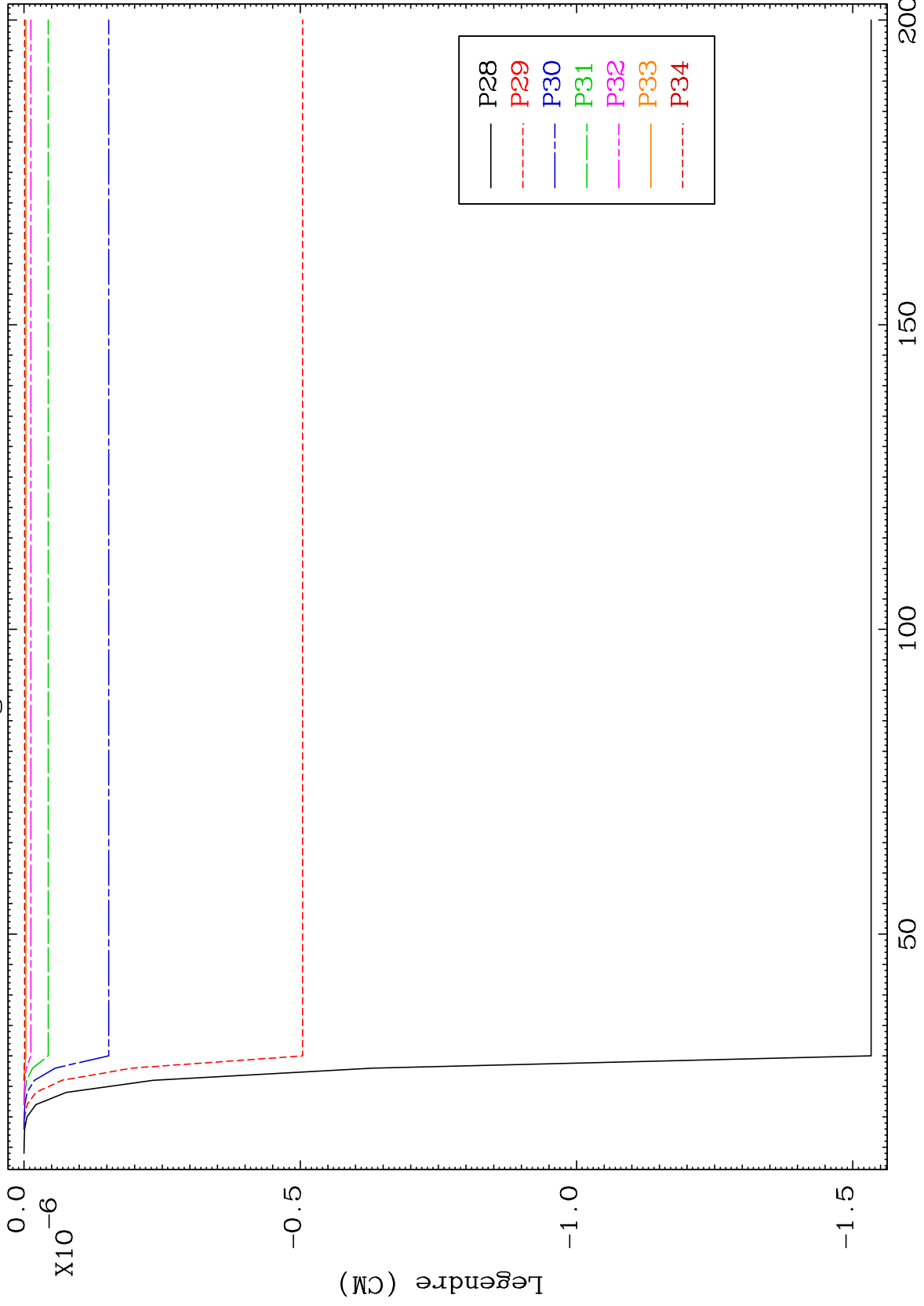
MAT 4146 MT= 67 (n,n') Level Legendre Coefficients 41-Nb-100



MAT 4146

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

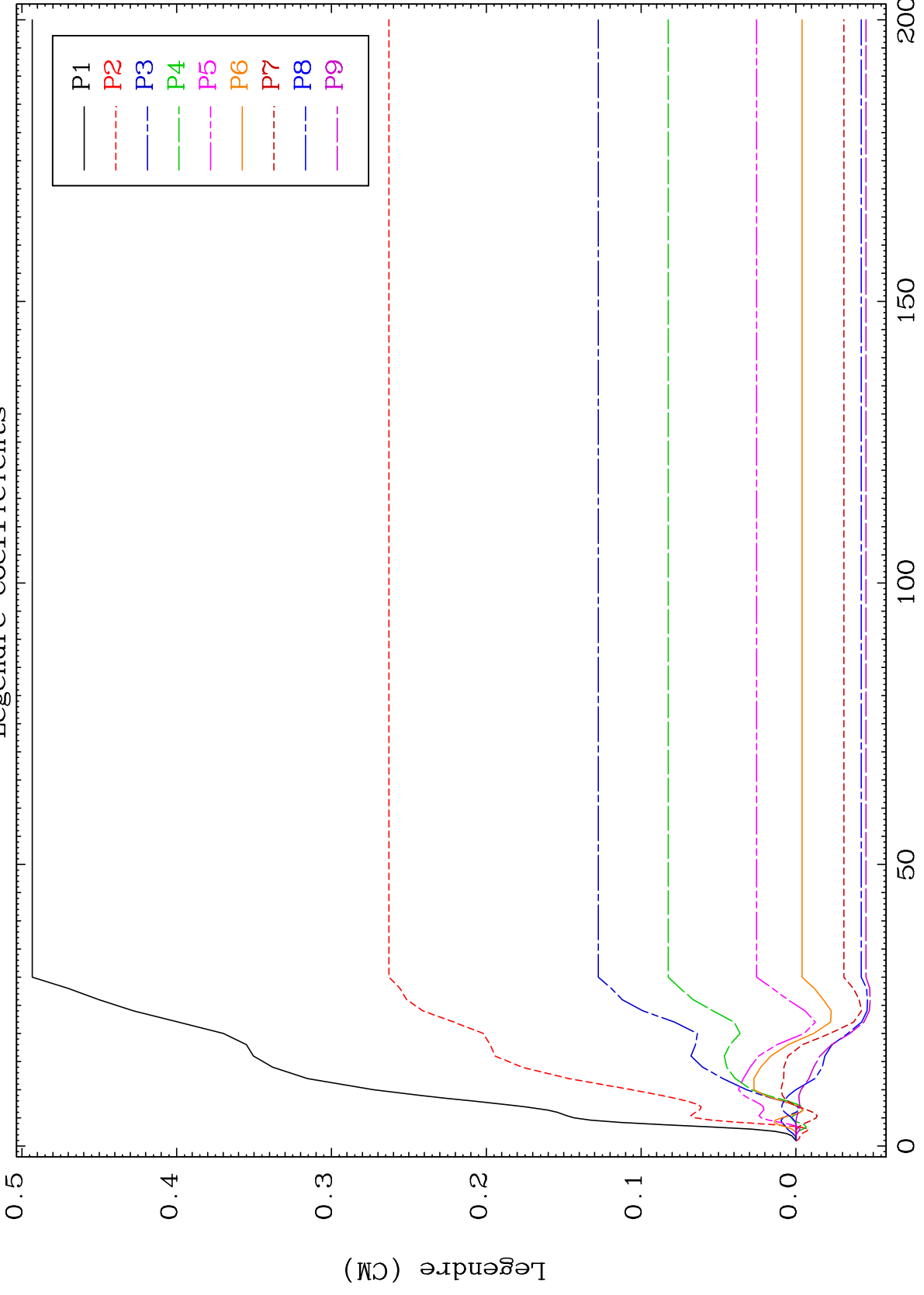
41-Nb-100



74

41-Nb-100

MAT 4146 MT= 68 (n,n') Level Legendre Coefficients 41-Nb-100

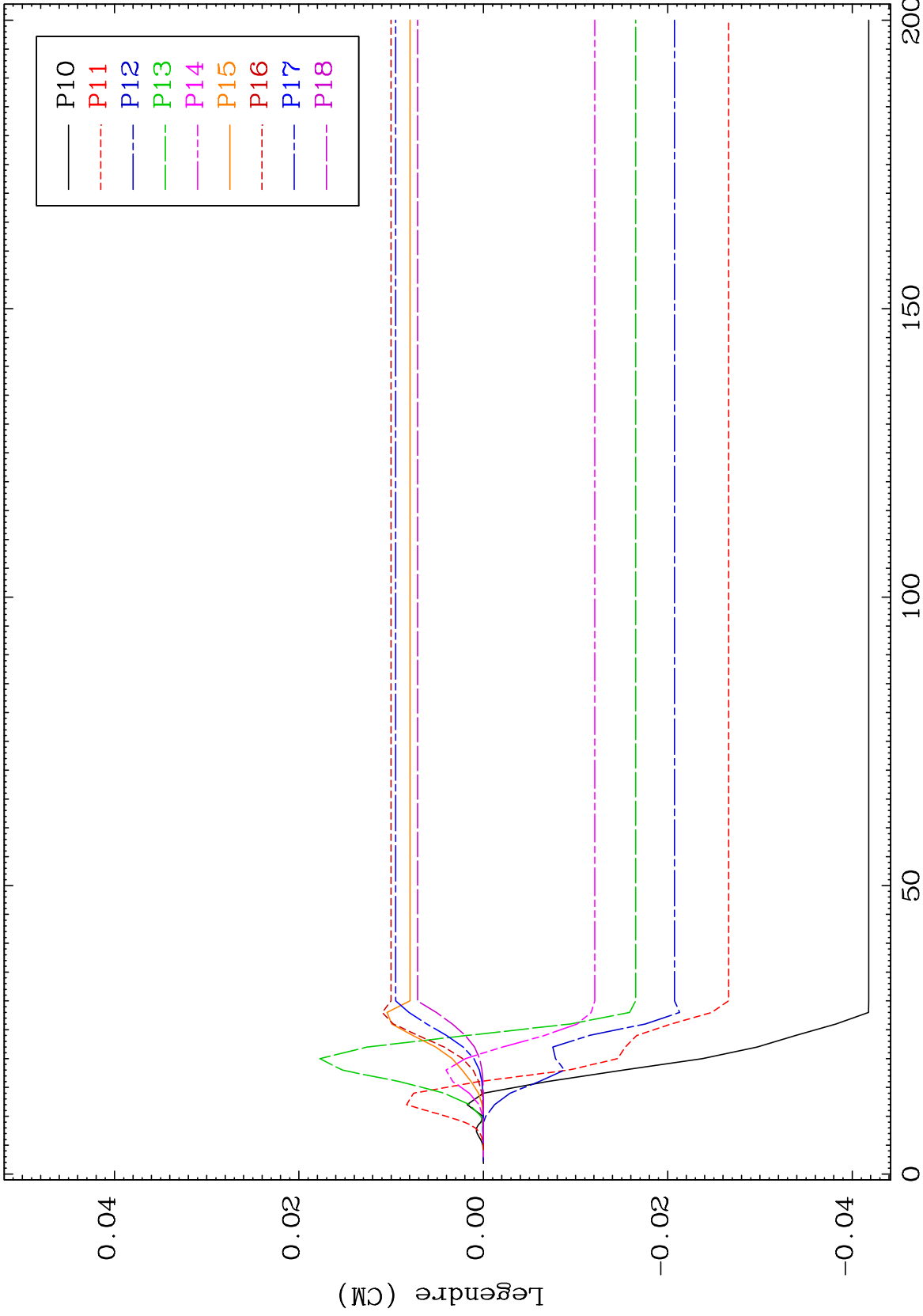


75 Incident Energy (MeV) 41-Nb-100

MAT 4146

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

41-Nb-100



76

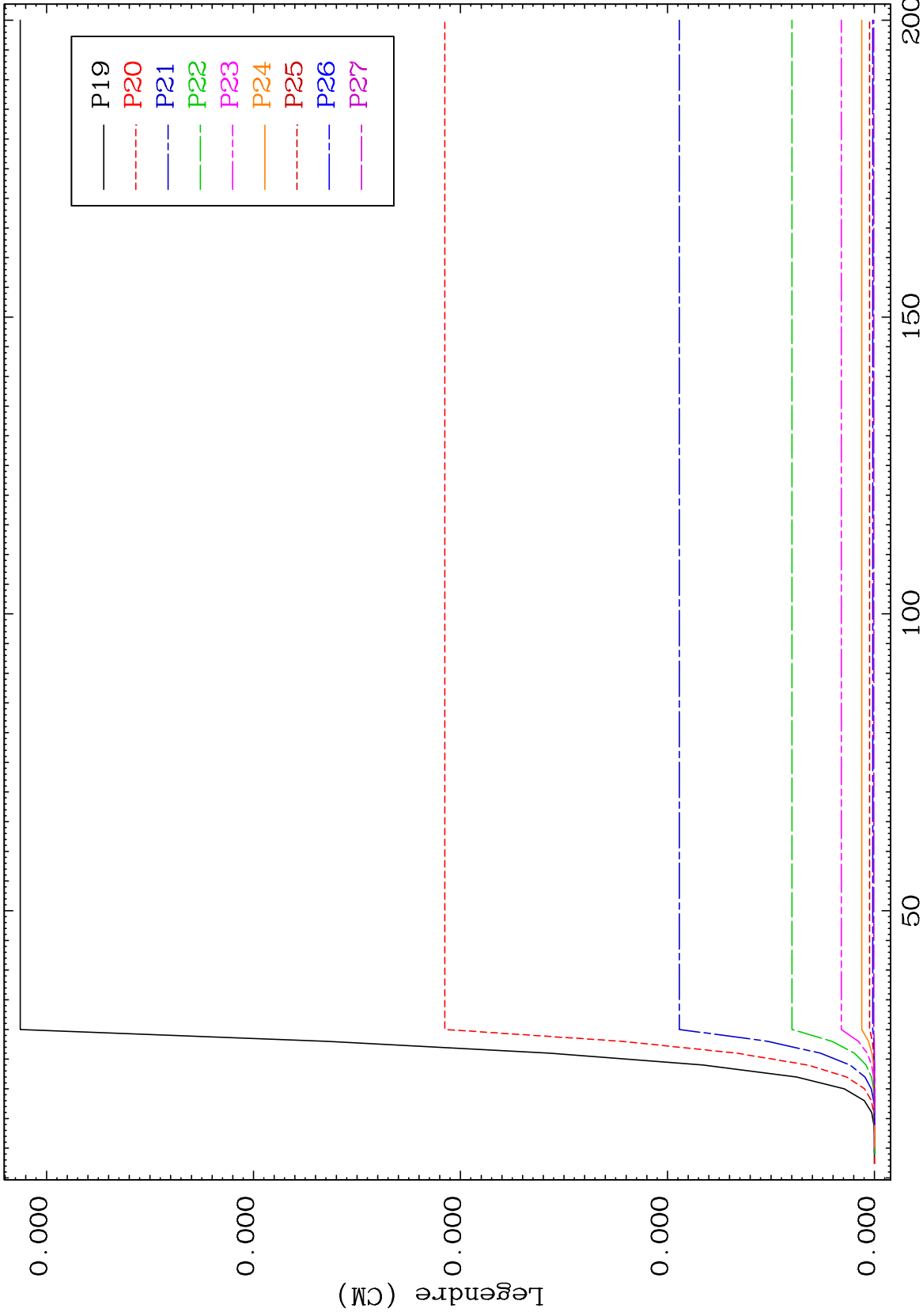
Incident Energy (MeV)

41-Nb-100

MAT 4146

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

41-Nb-100



77

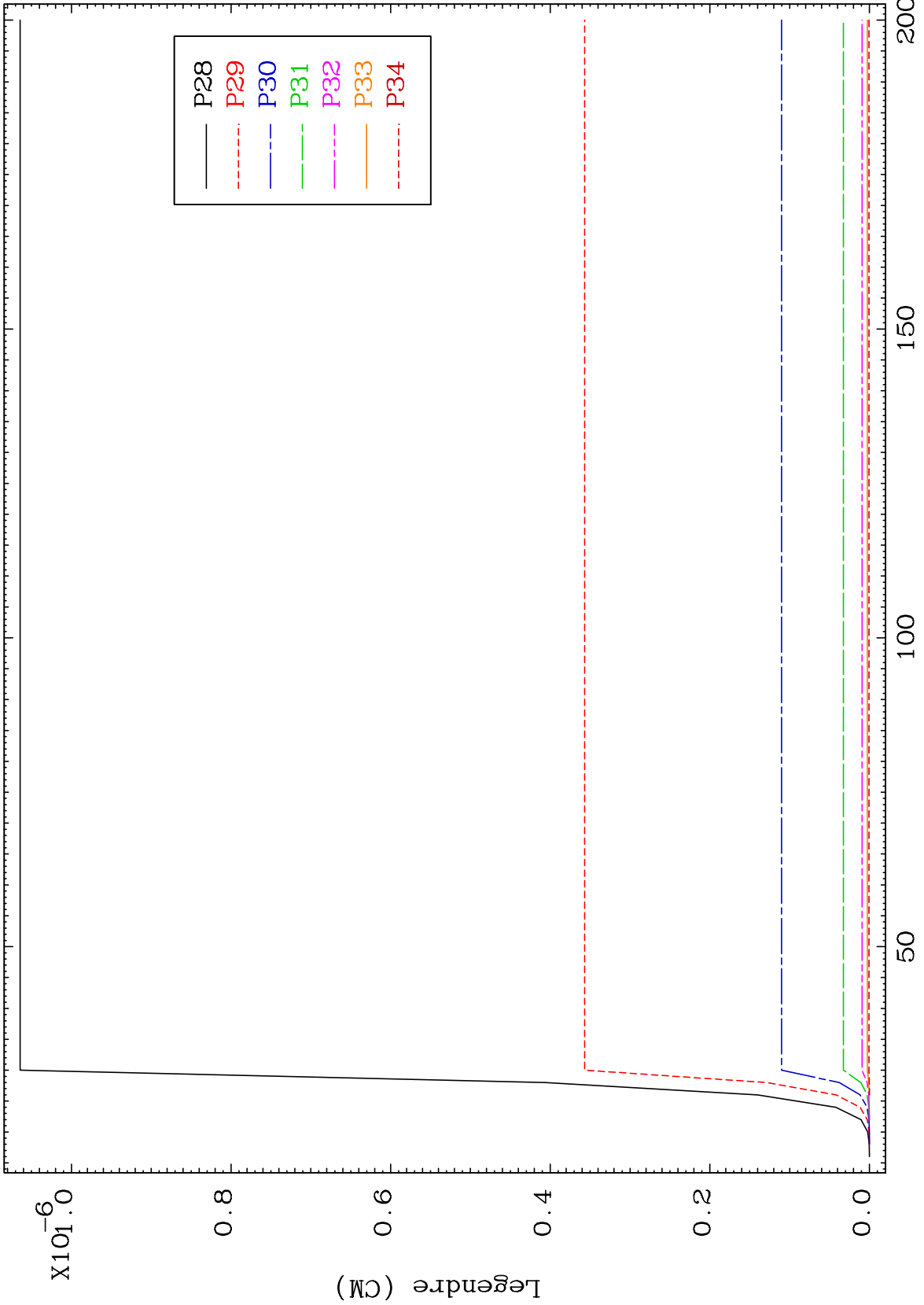
Incident Energy (MeV)

41-Nb-100

MAT 4146

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

41-Nb-100

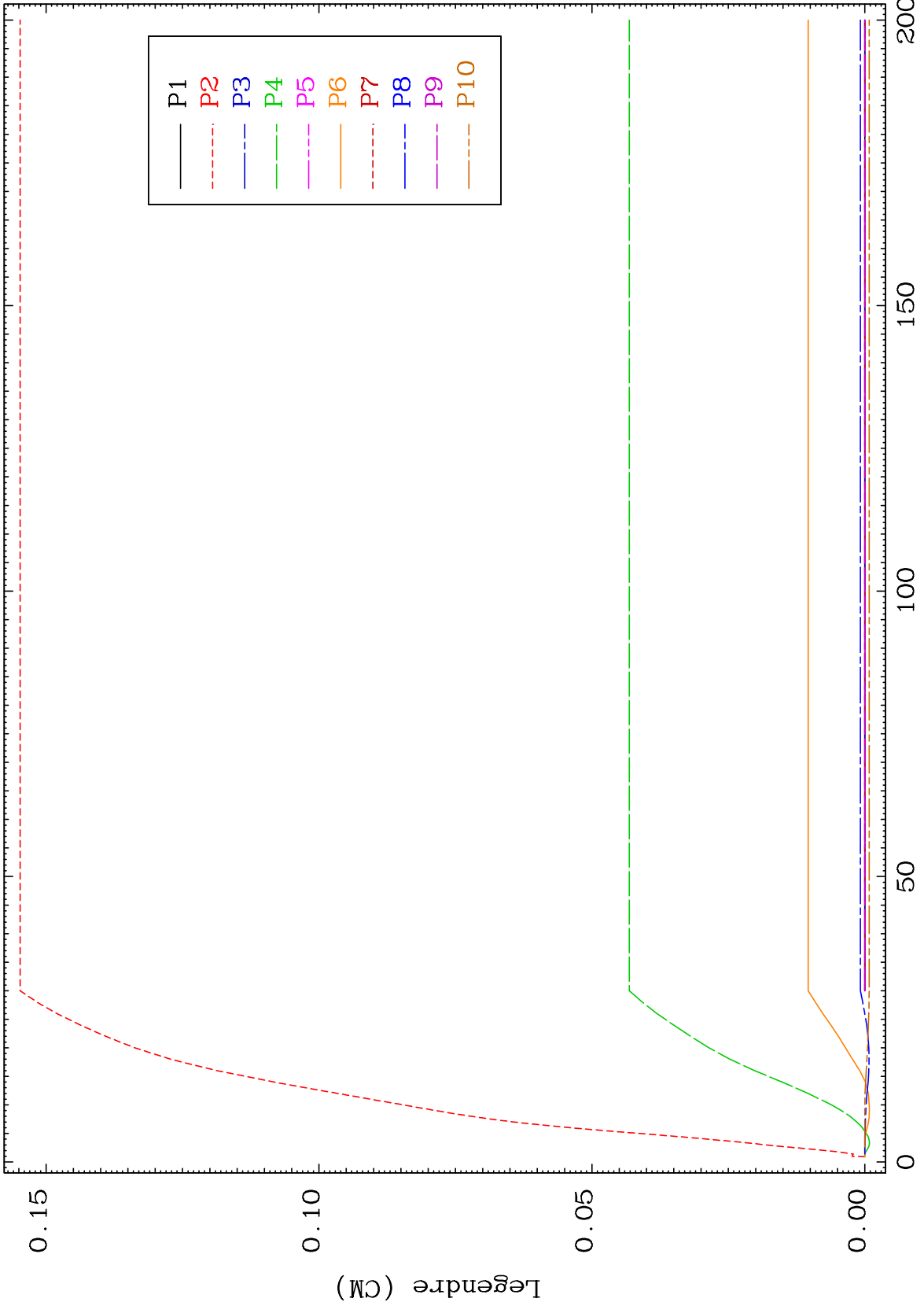


78

Incident Energy (MeV)

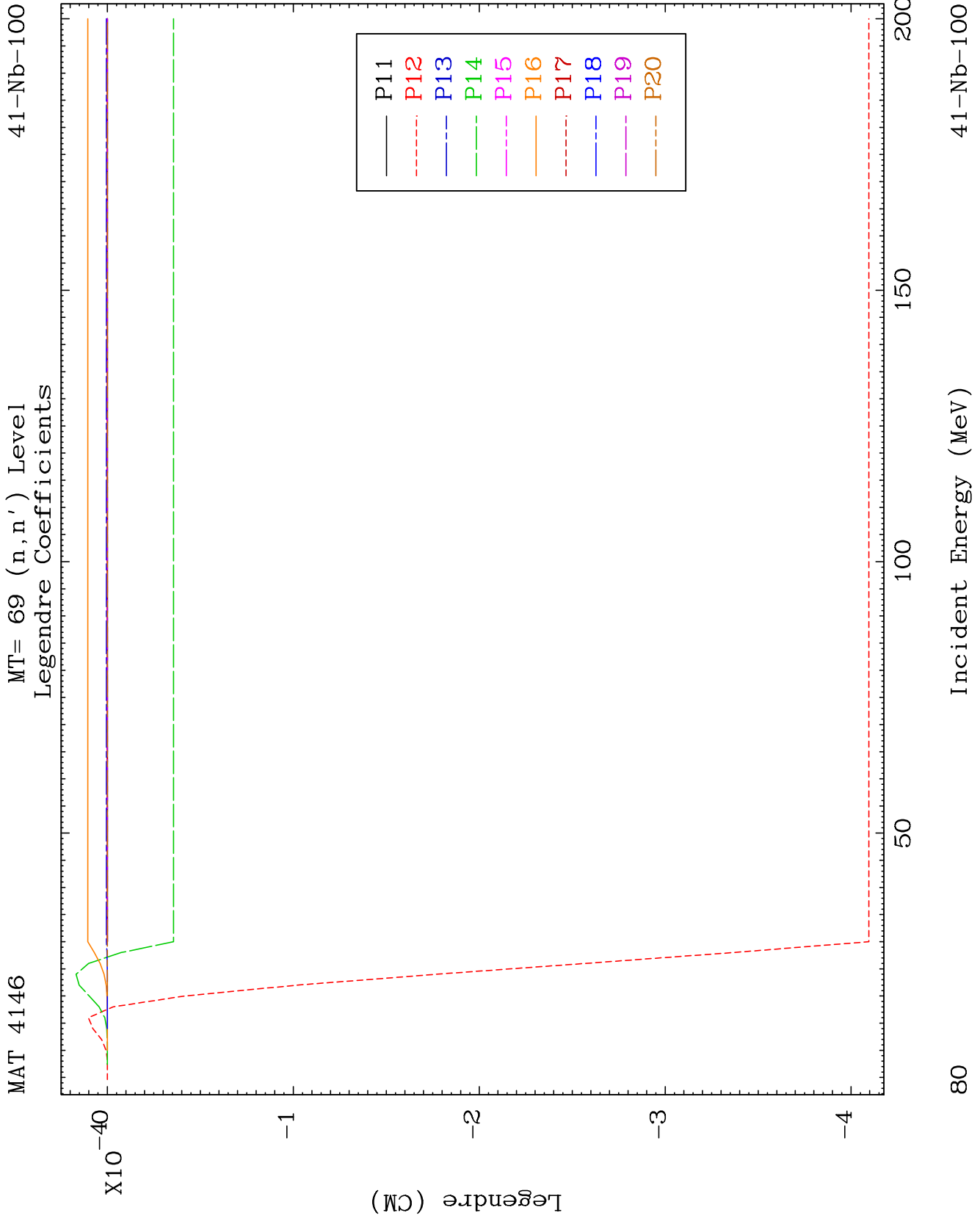
41-Nb-100

MAT 4146 MT= 69 (n,n') Level Legendre Coefficients 41-Nb-100

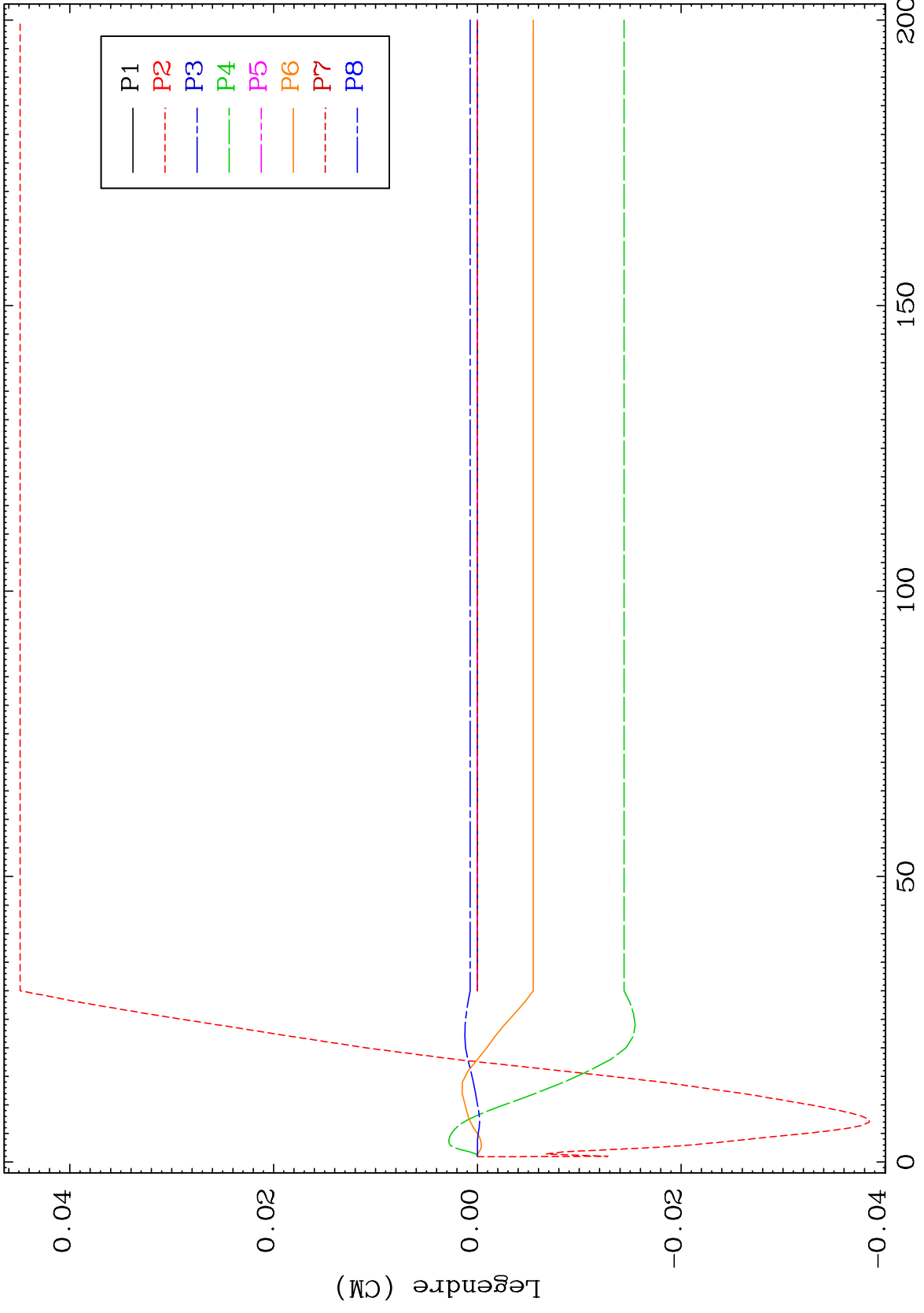


79 Incident Energy (MeV) 41-Nb-100



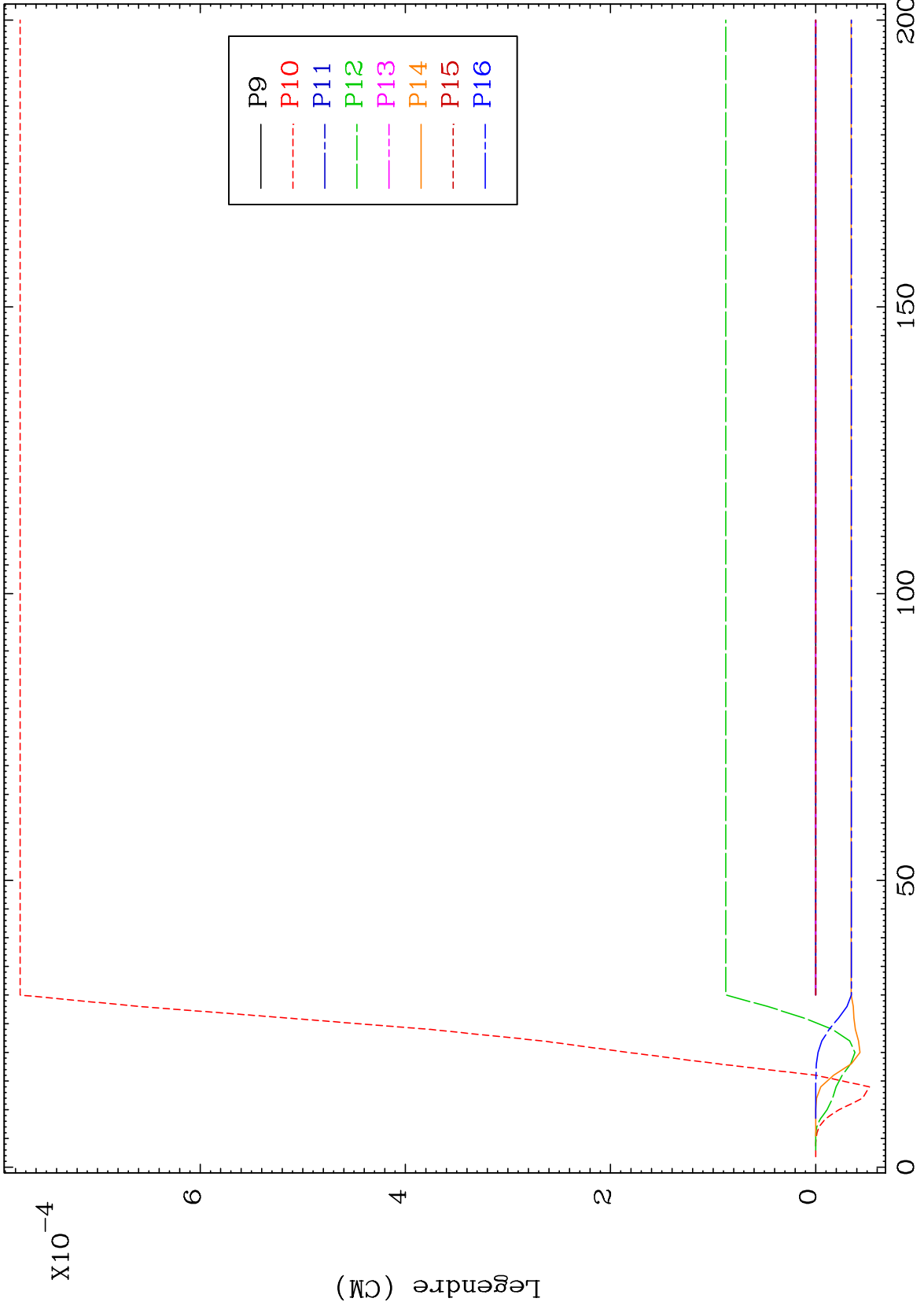


MAT 4146 MT= 70 (n,n') Level Legendre Coefficients 41-Nb-100



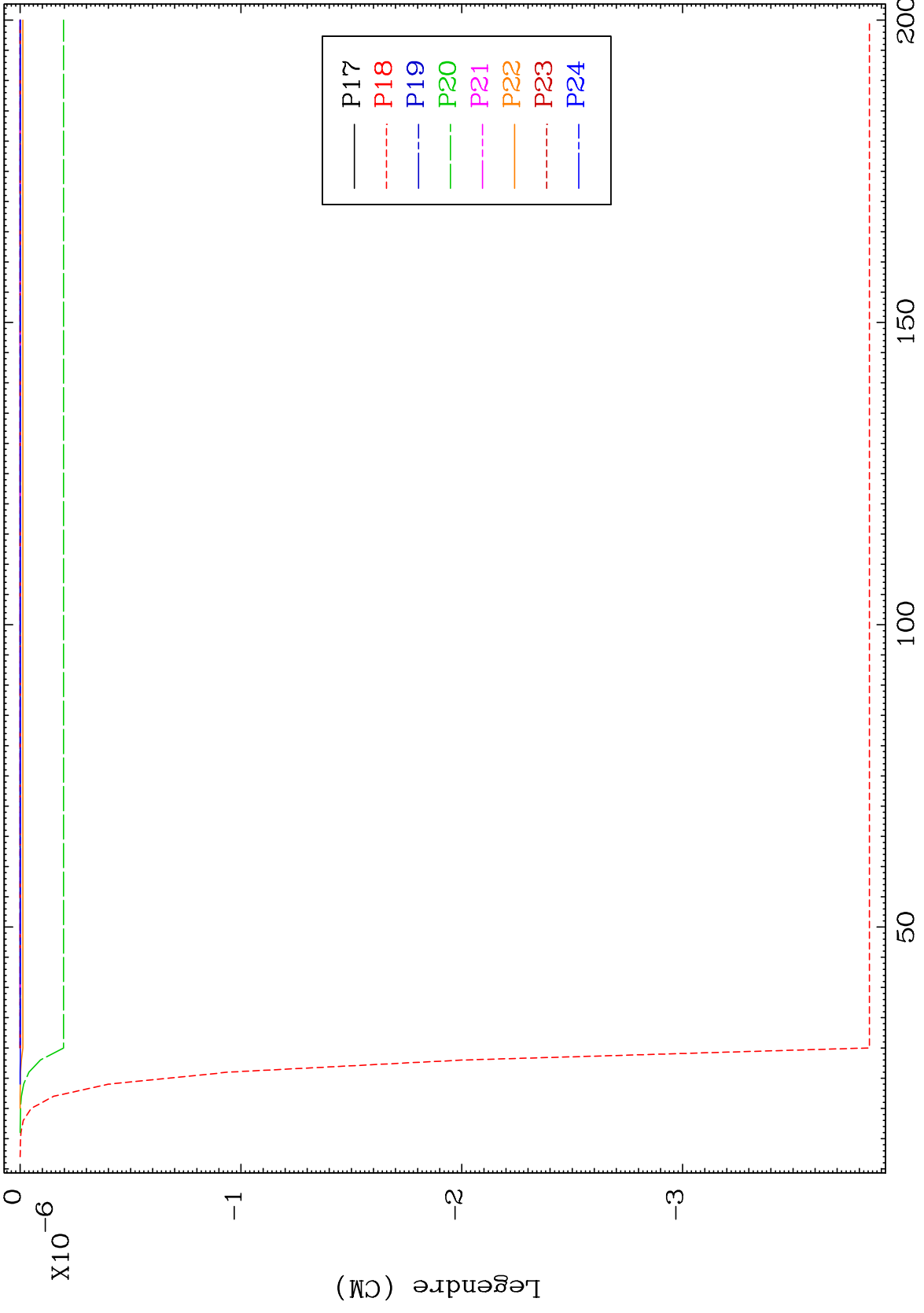
81 41-Nb-100

MAT 4146 MT= 70 (n,n') Level Legendre Coefficients 41-Nb-100



82 41-Nb-100

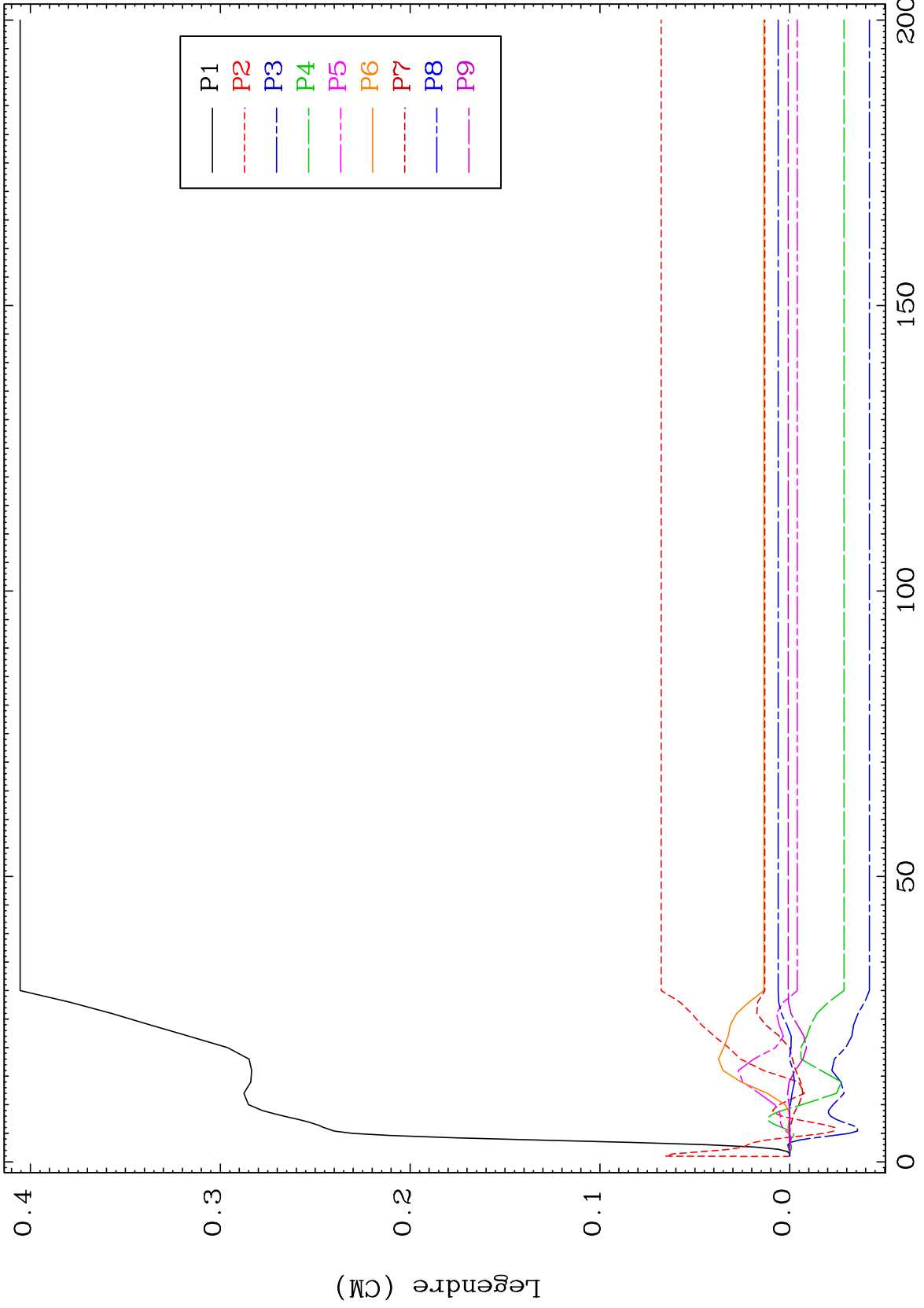
MAT 4146 MT= 70 (n,n') Level Legendre Coefficients 41-Nb-100



MAT 4146

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

41-Nb-100



84

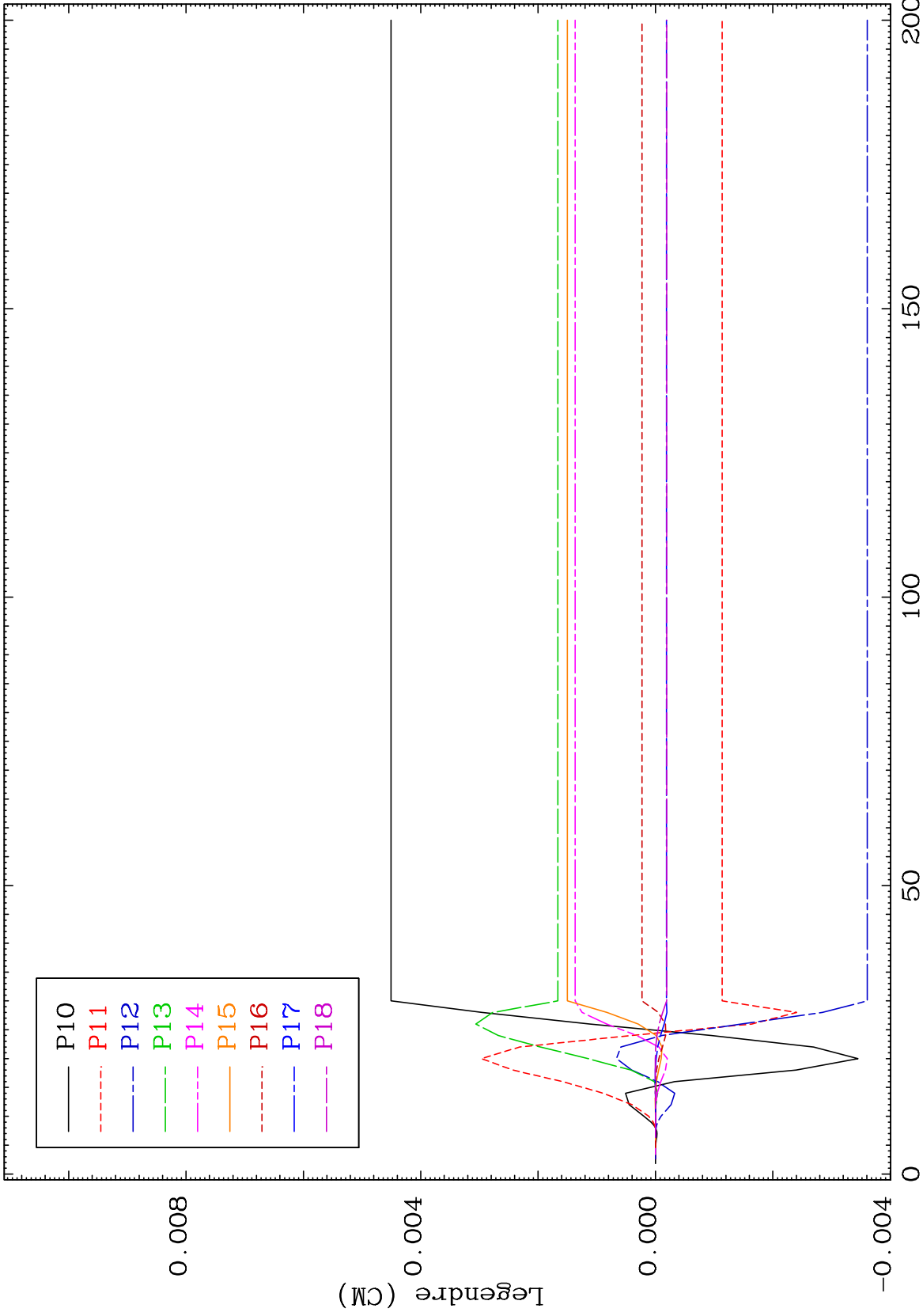
Incident Energy (MeV)

41-Nb-100

MAT 4146

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

41-Nb-100

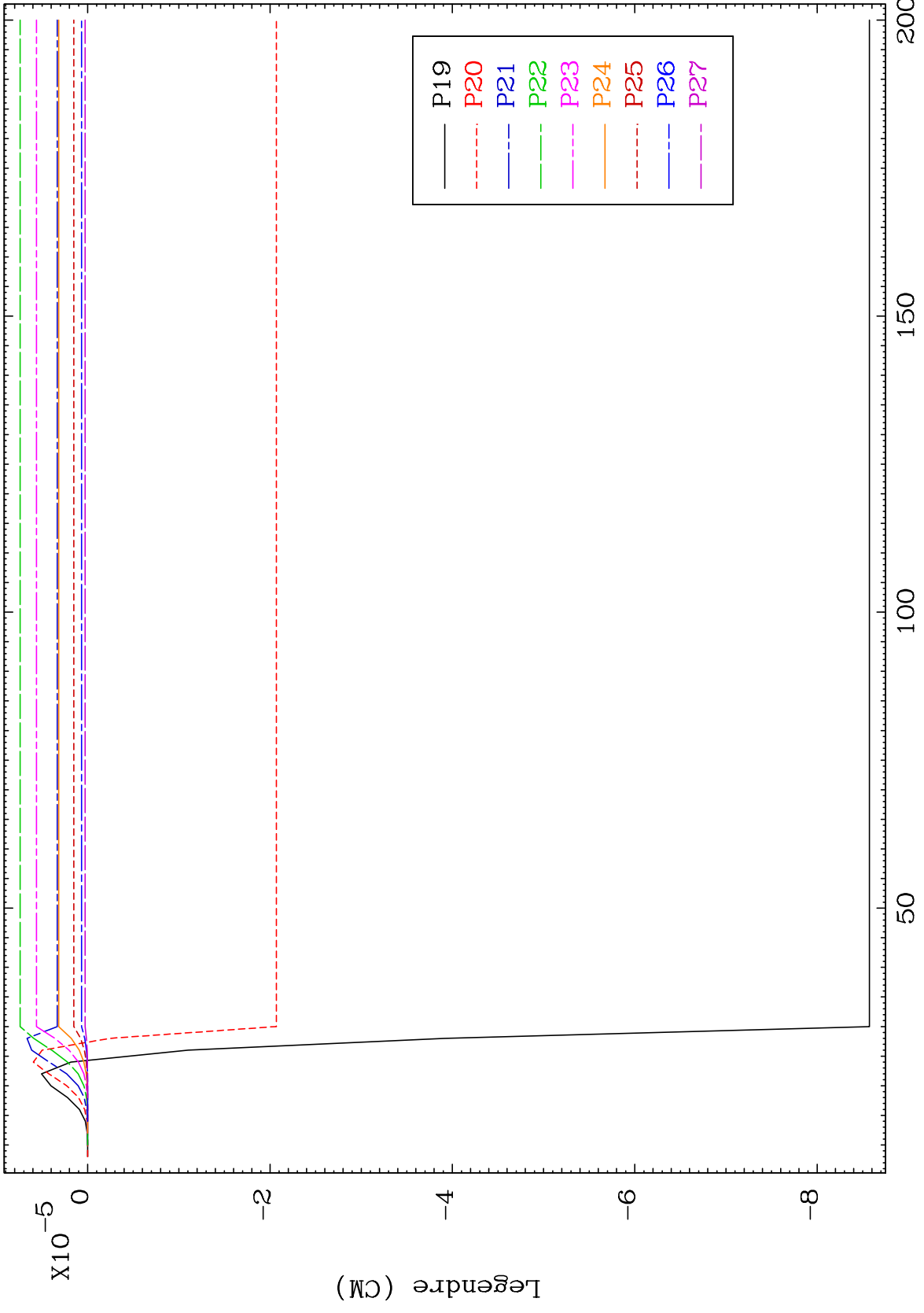


85

Incident Energy (MeV)

41-Nb-100

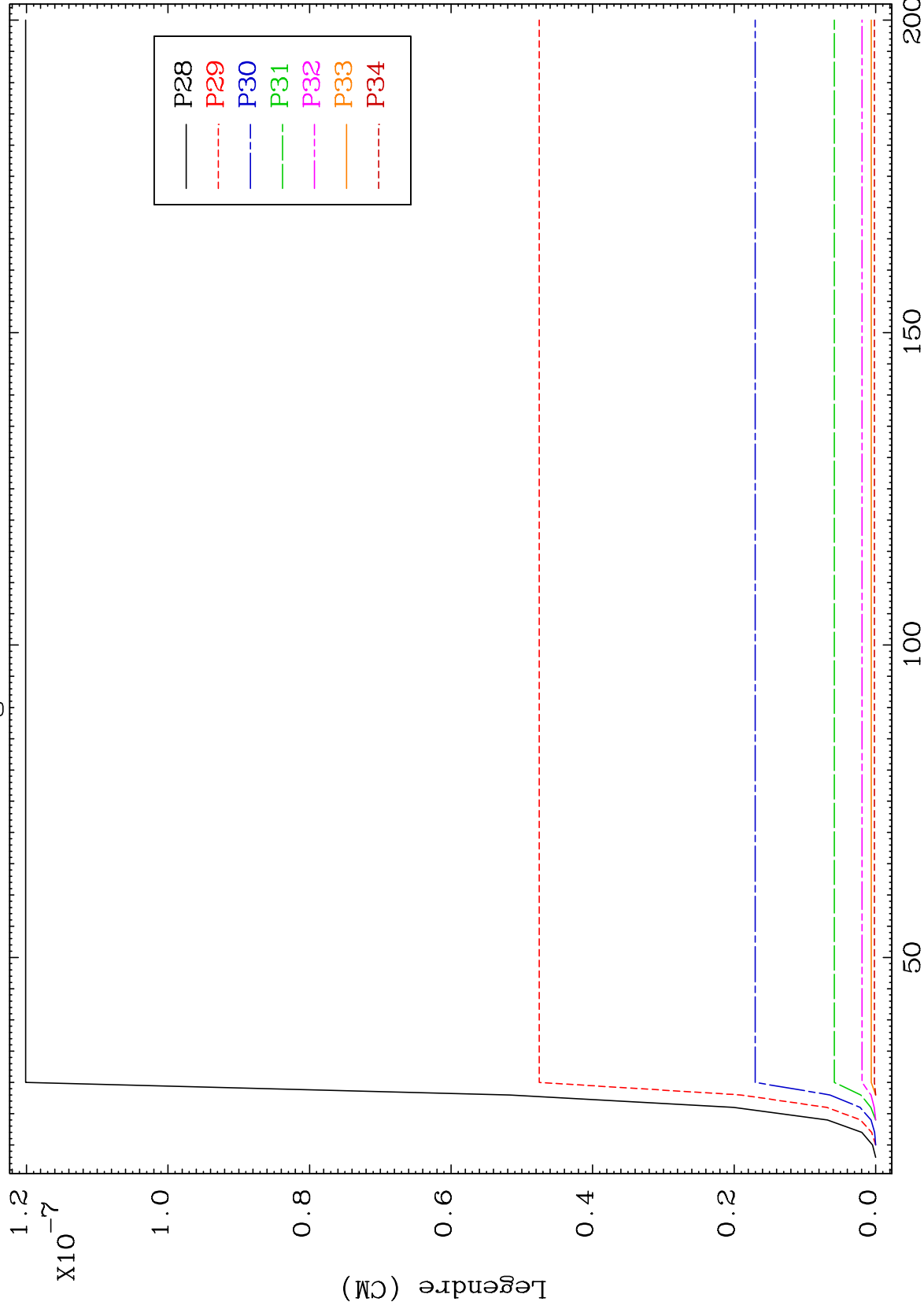
MAT 4146 MT= 71 (n,n') Level Legendre Coefficients 41-Nb-100



MAT 4146

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

41-Nb-100



87

Incident Energy (MeV)

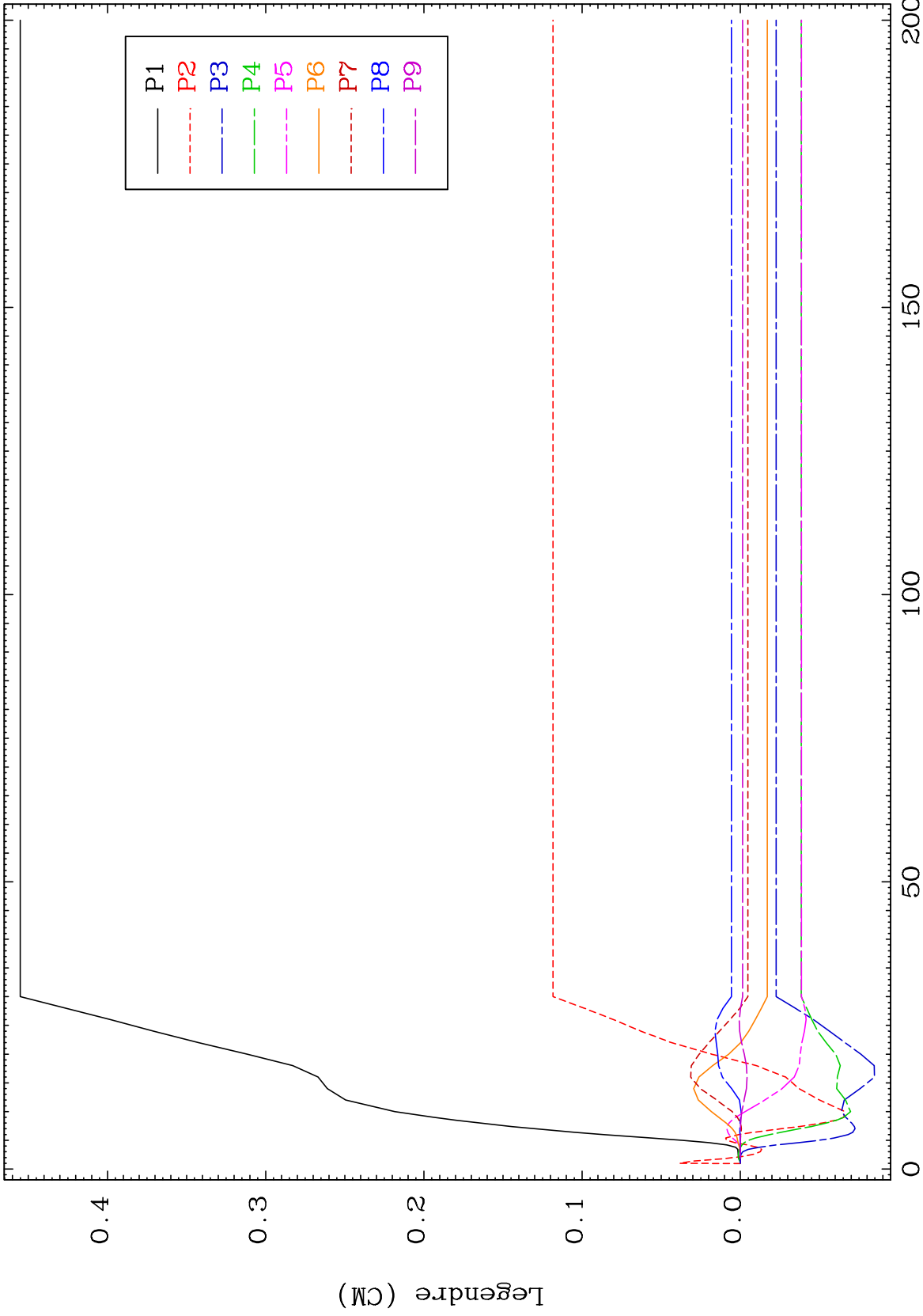
41-Nb-100



MAT 4146

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

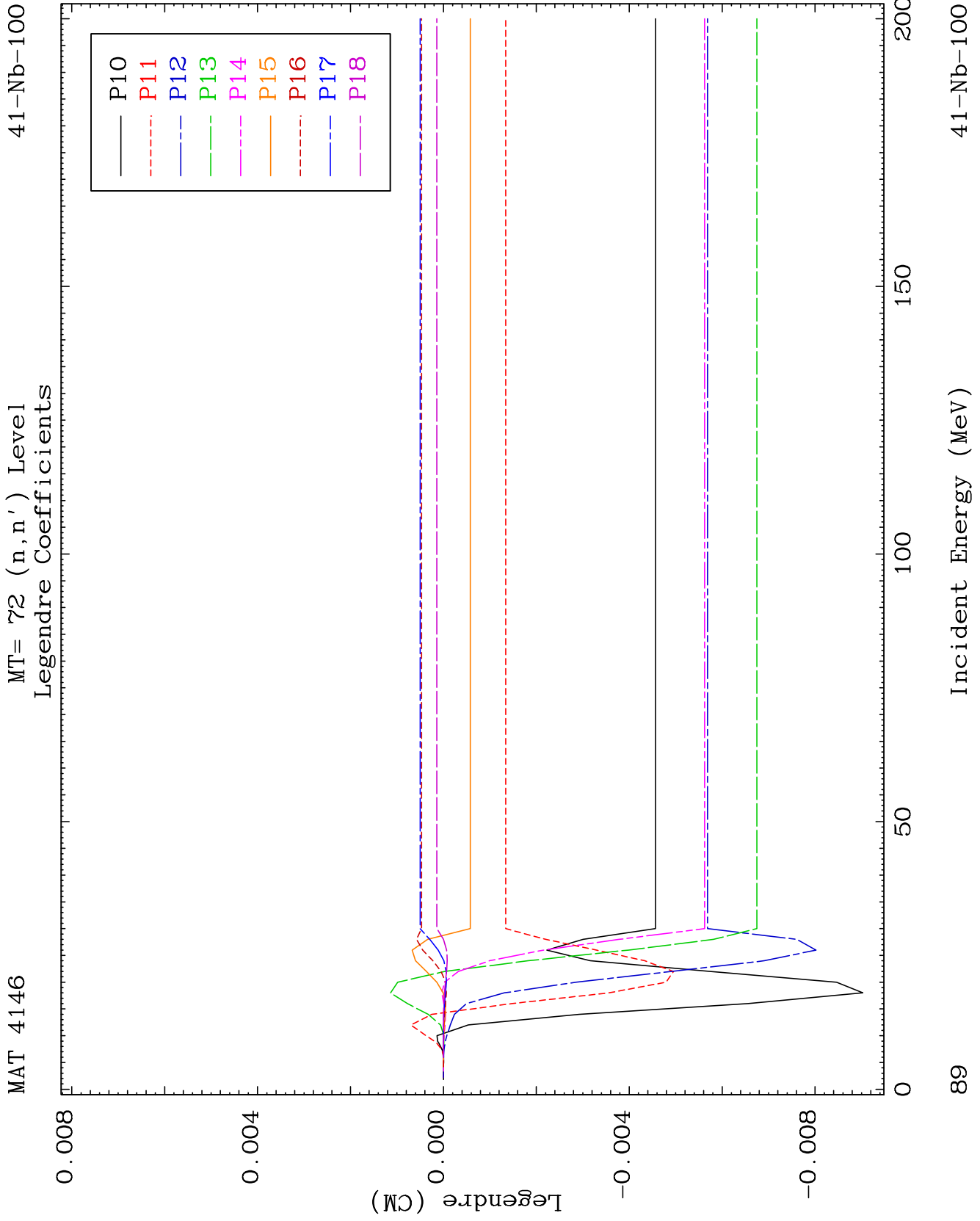
41-Nb-100



88

Incident Energy (MeV)

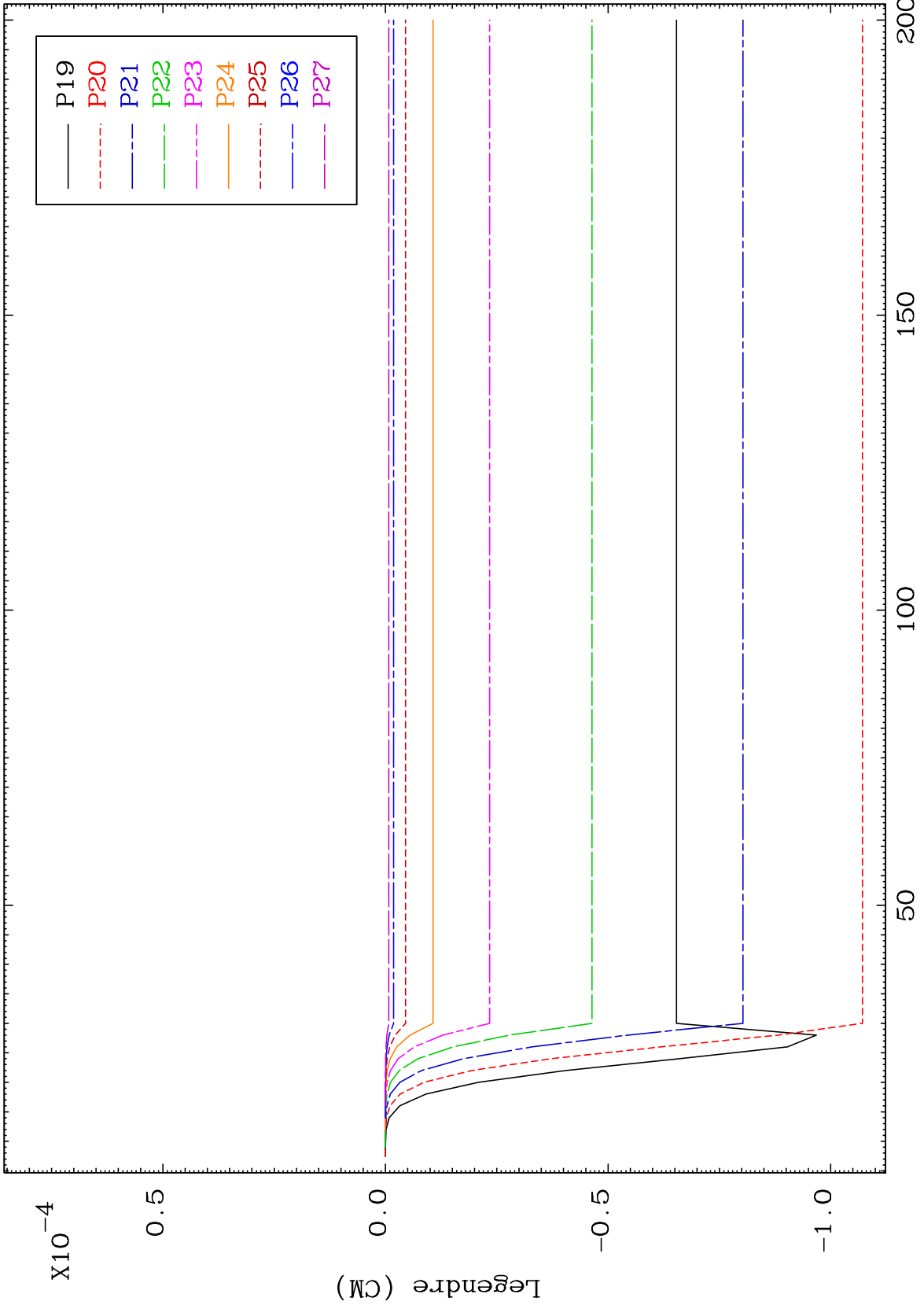
41-Nb-100



MAT 4146

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

41-Nb-100



90

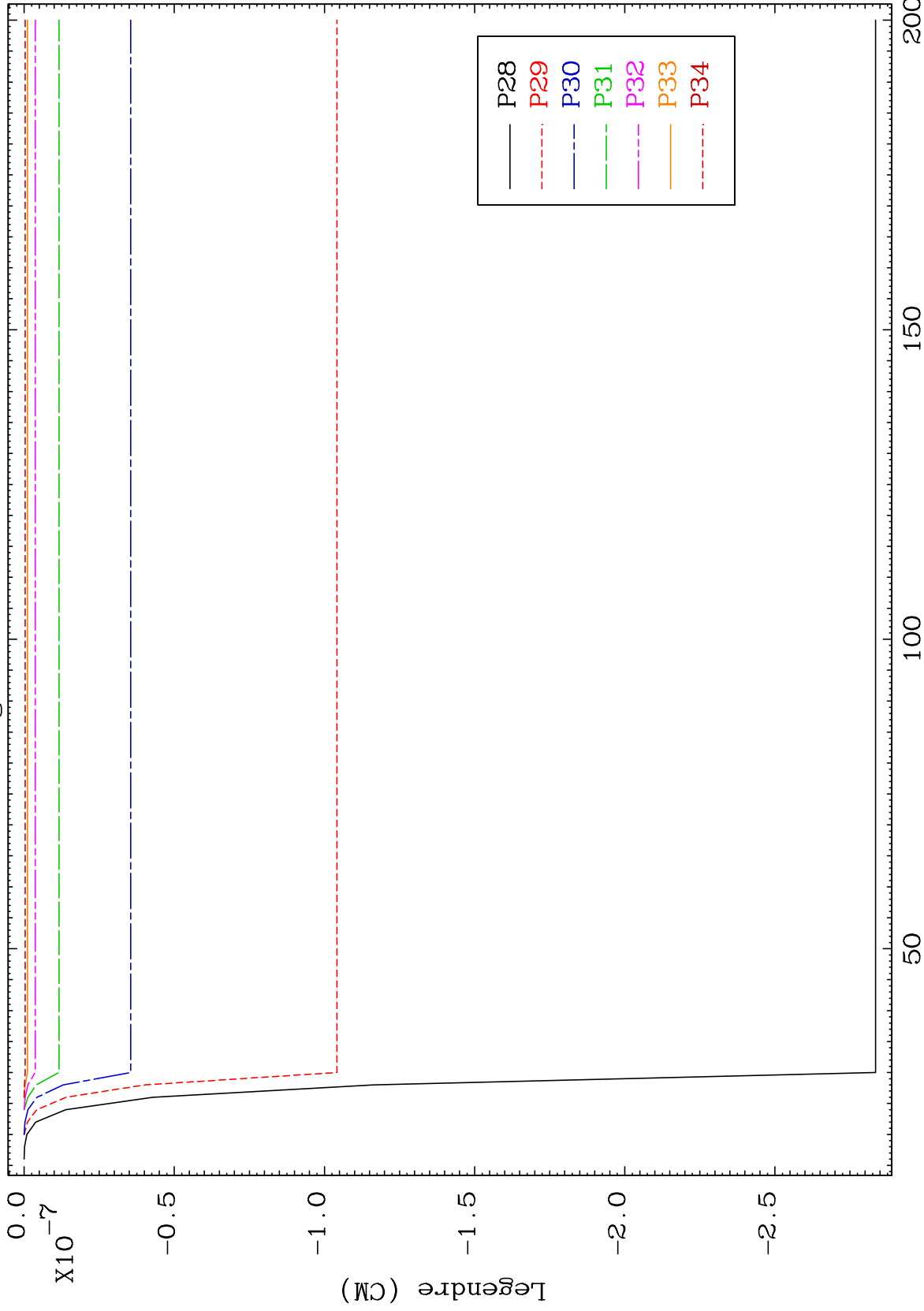
Incident Energy (MeV)

41-Nb-100

MAT 4146

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

41-Nb-100



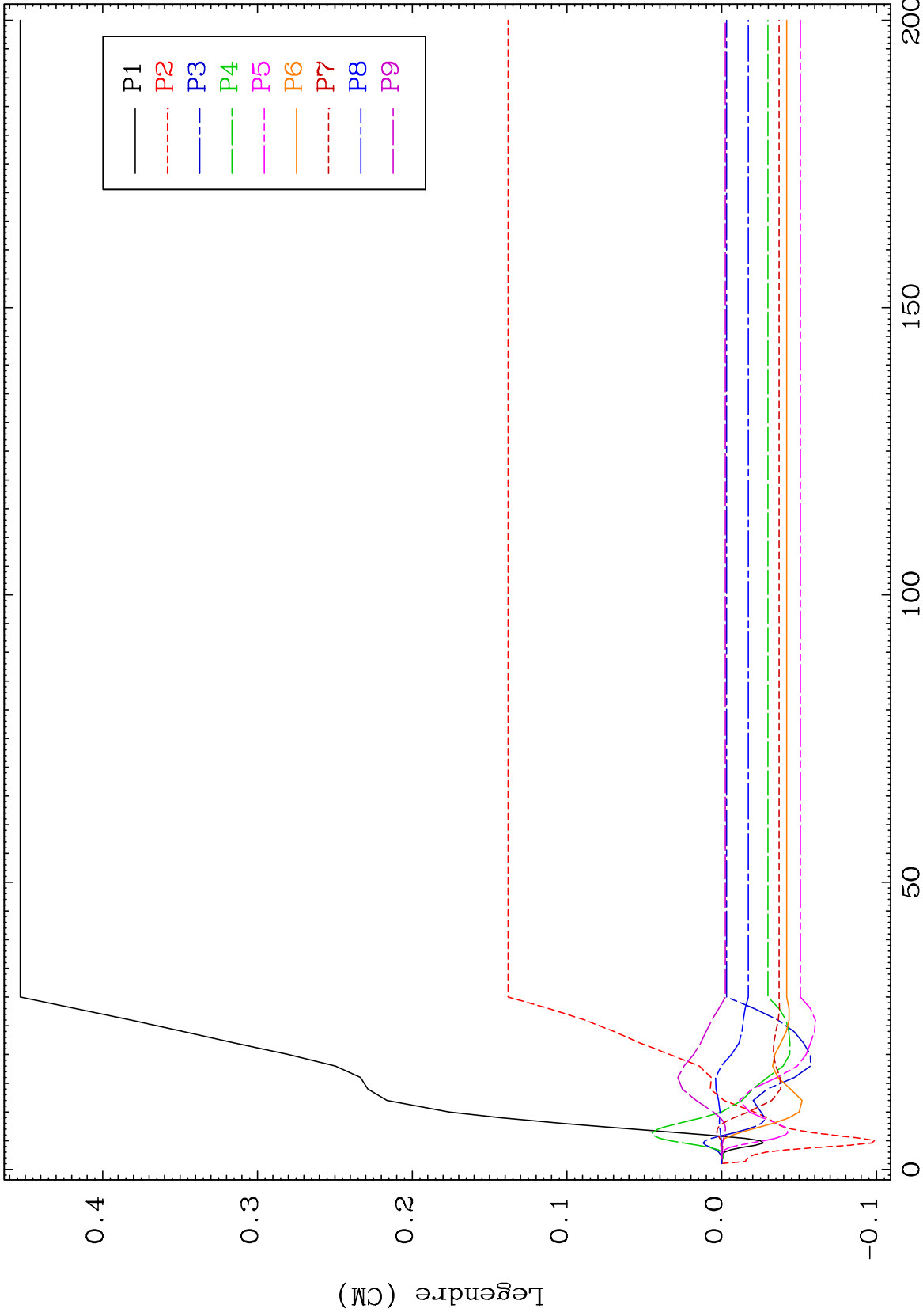
91

41-Nb-100

MAT 4146

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

41-Nb-100



92

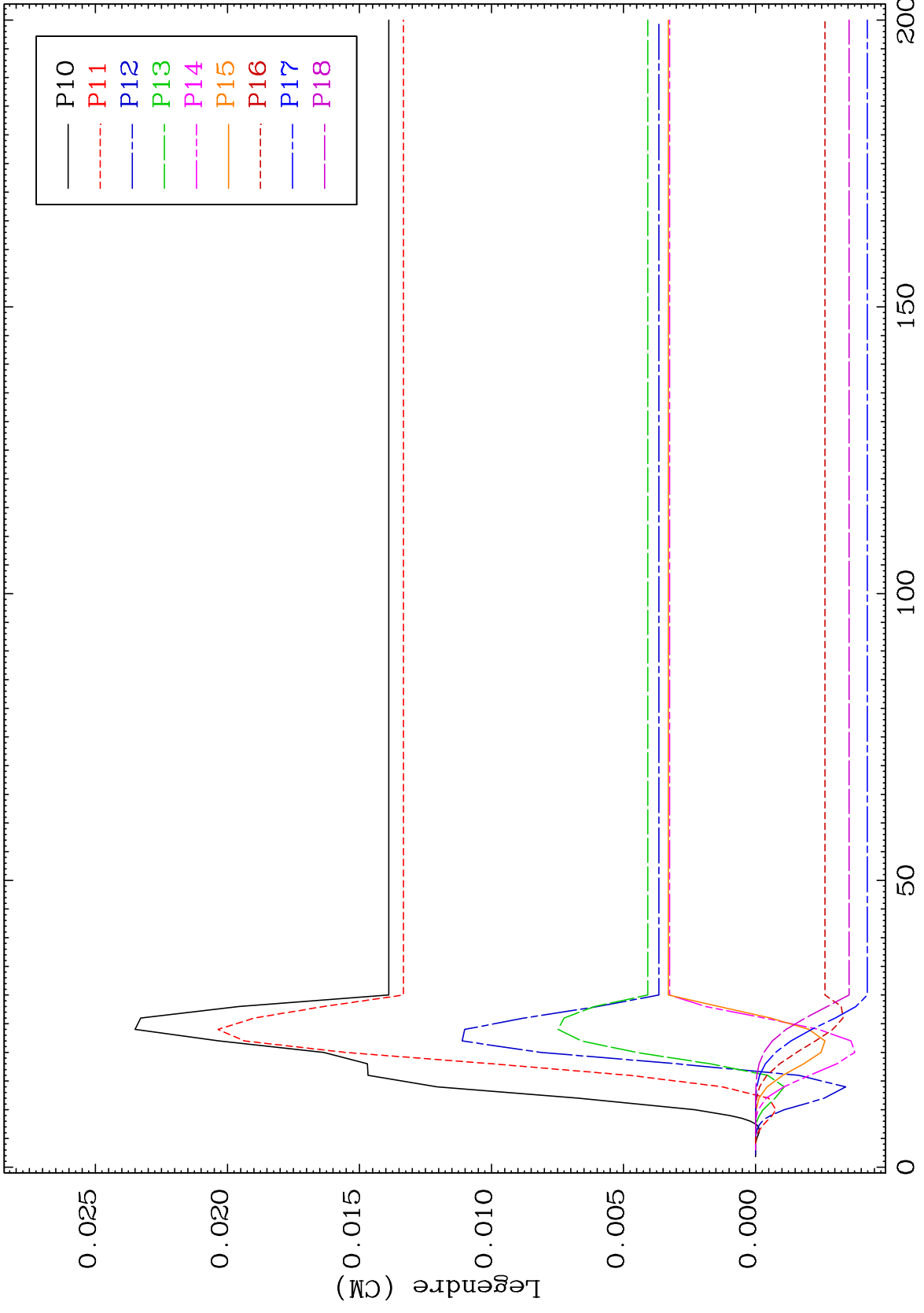
Incident Energy (MeV)

41-Nb-100

MAT 4146

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

41-Nb-100



93

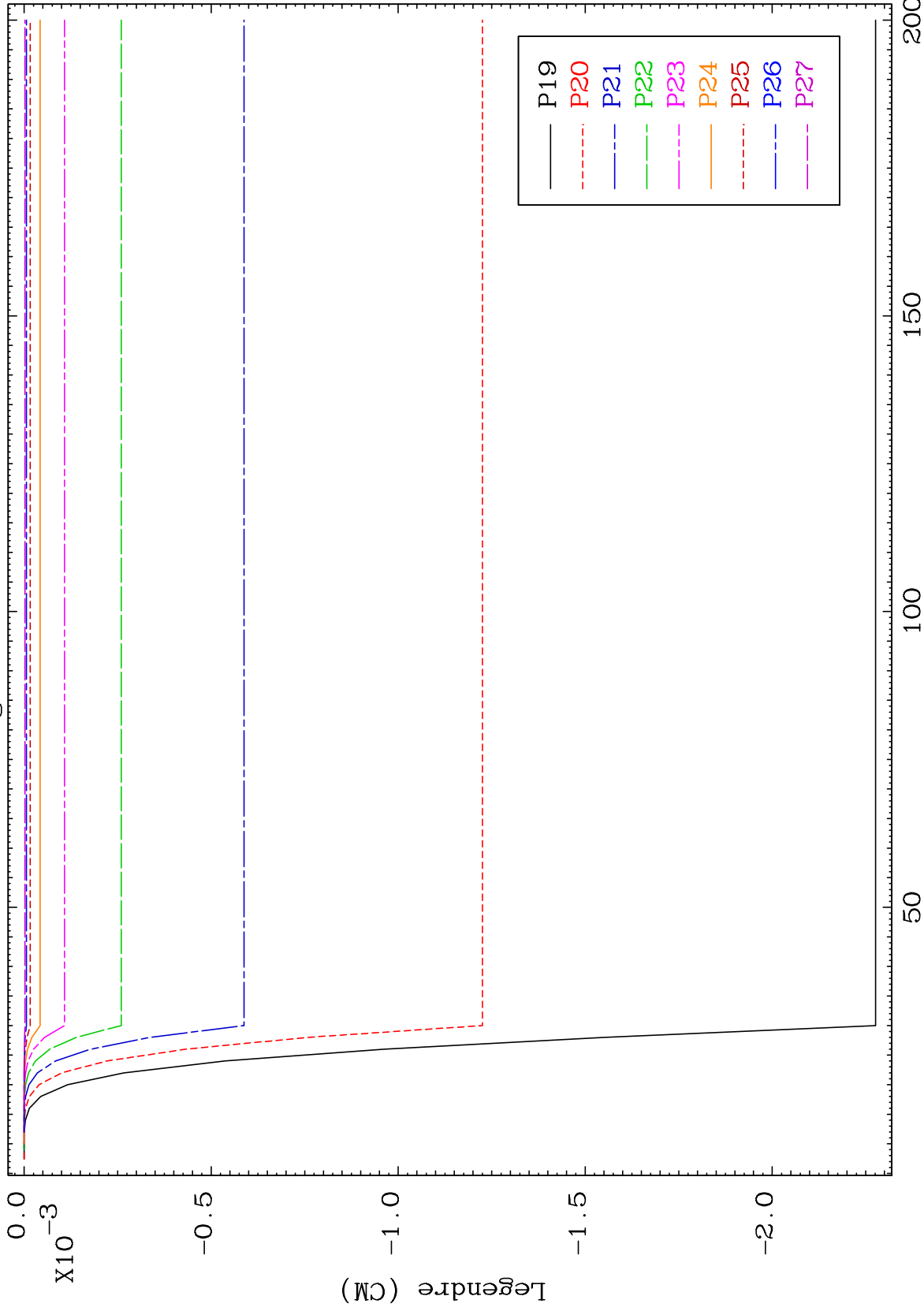
Incident Energy (MeV)

41-Nb-100

MAT 4146

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

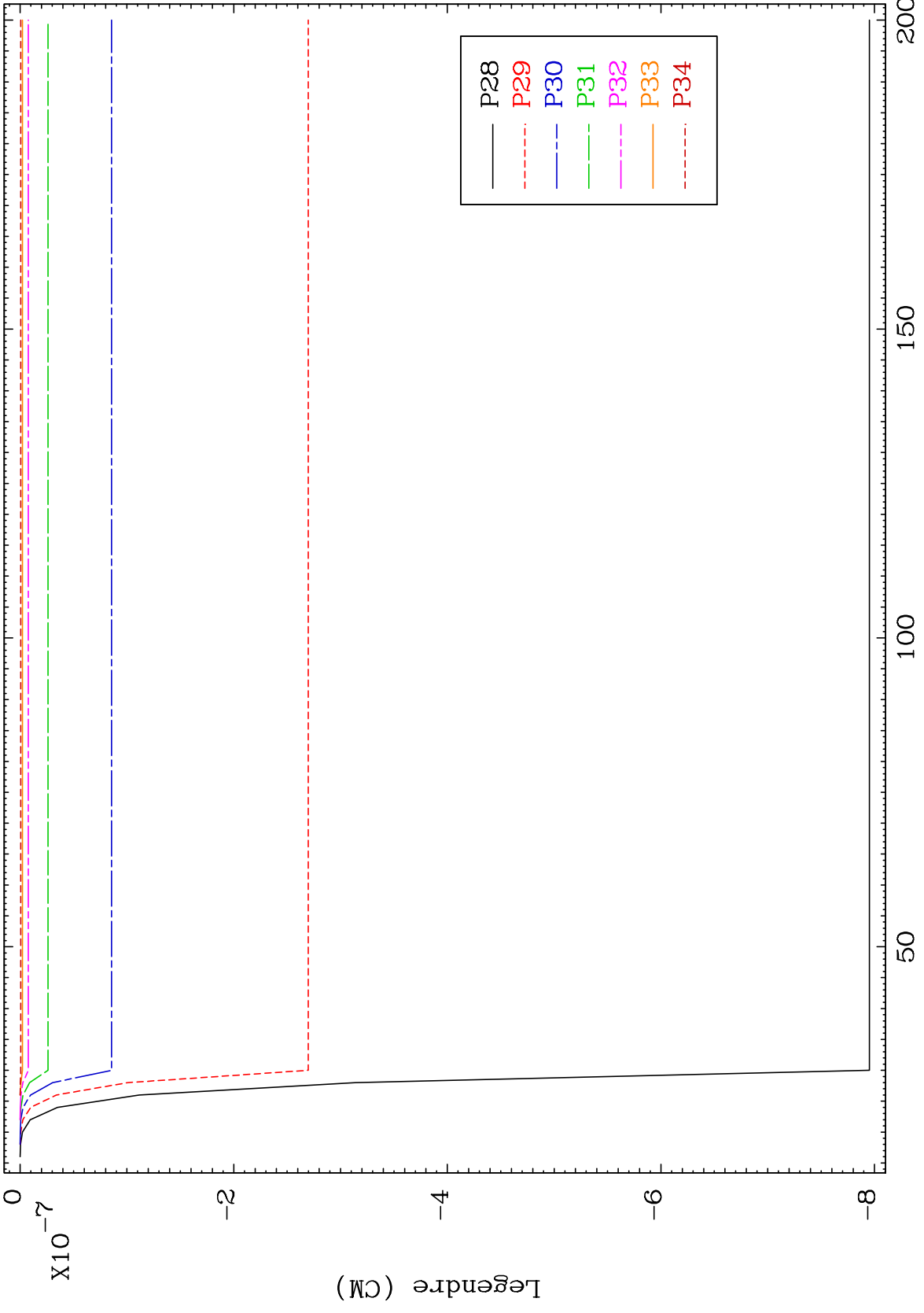
41-Nb-100



94

41-Nb-100

MAT 4146 MT= 73 (n,n') Level Legendre Coefficients 41-Nb-100



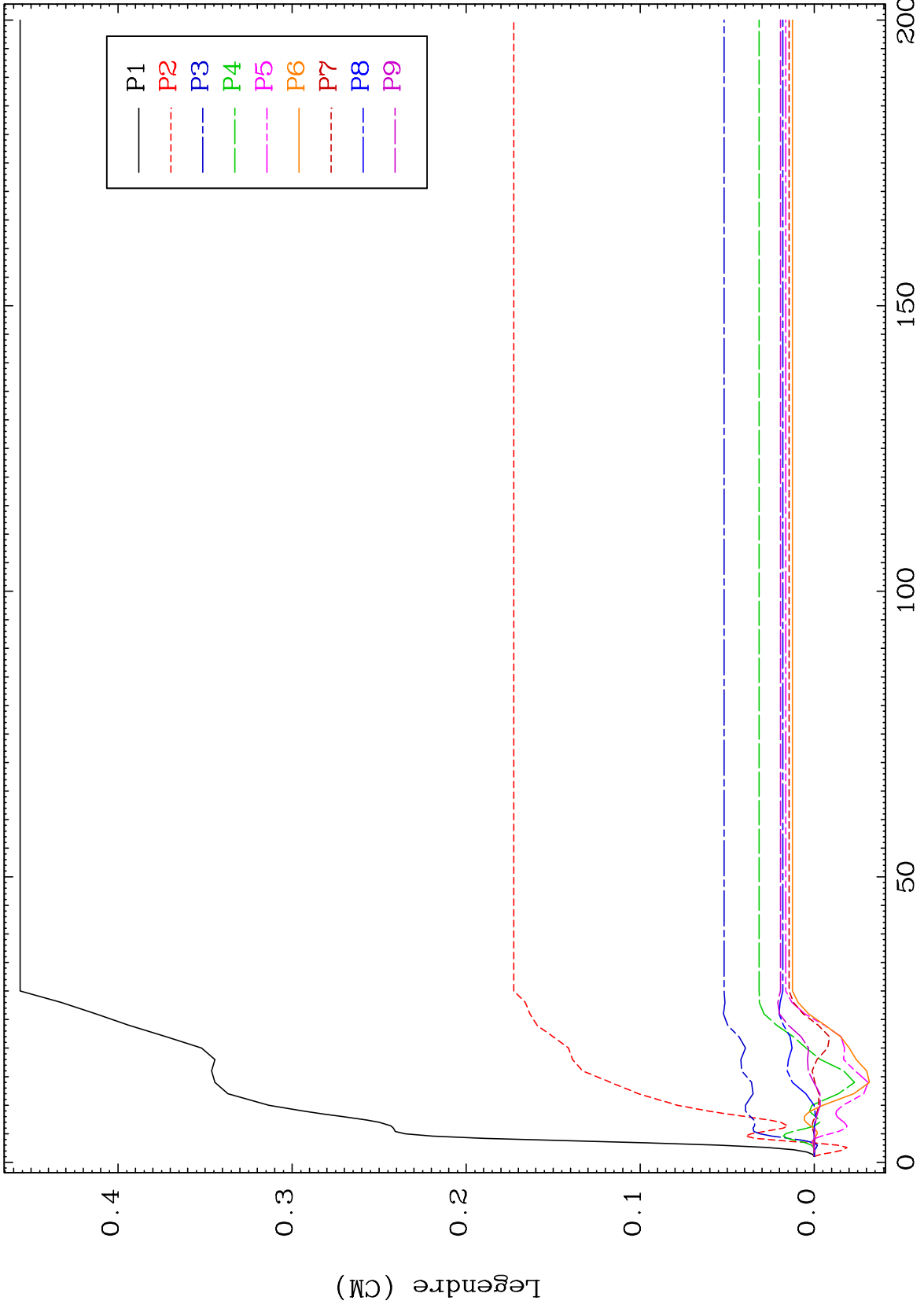
95 Incident Energy (MeV) 41-Nb-100



MAT 4146

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

41-Nb-100



96

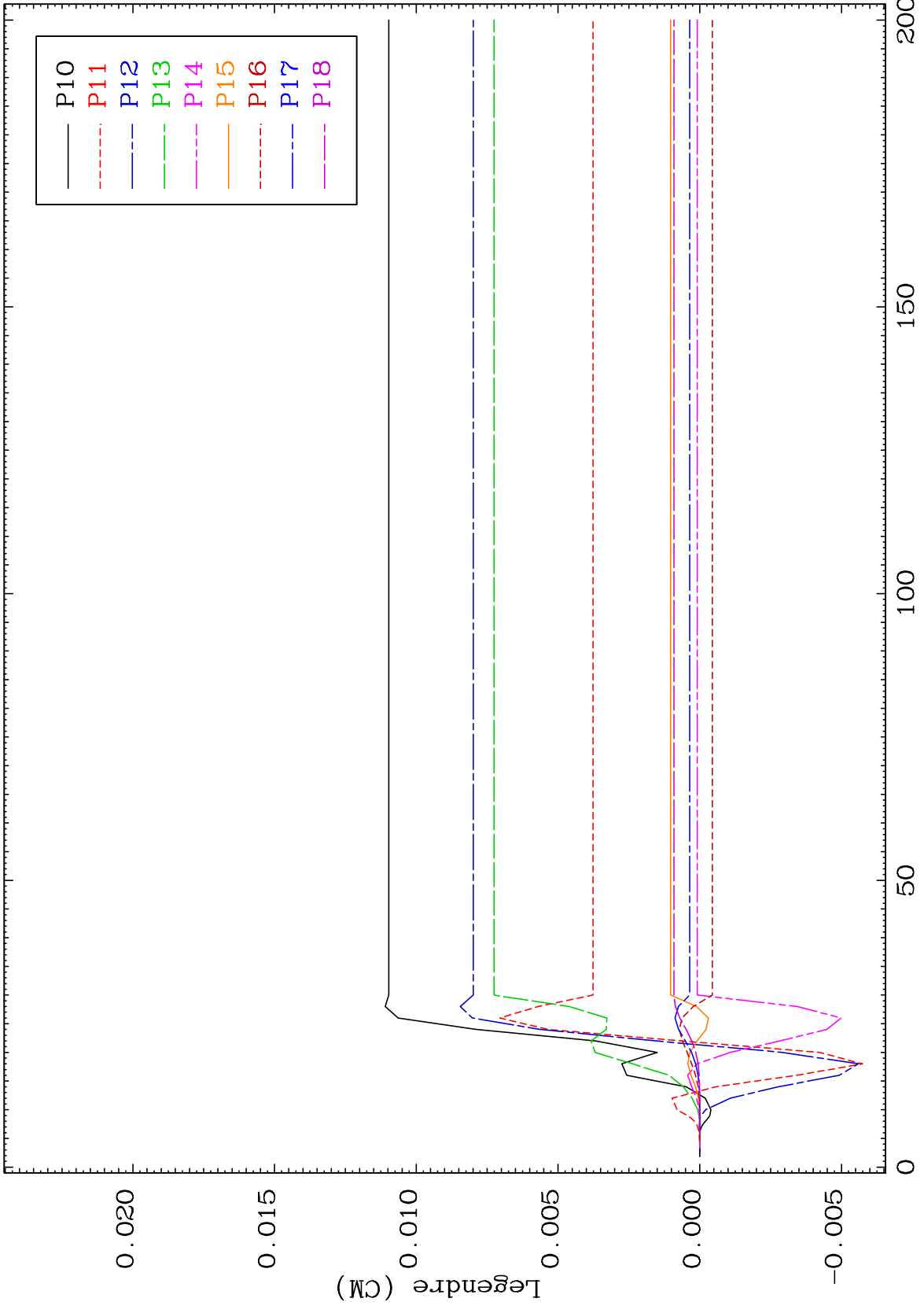
Incident Energy (MeV)

41-Nb-100

MAT 4146

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

41-Nb-100



97

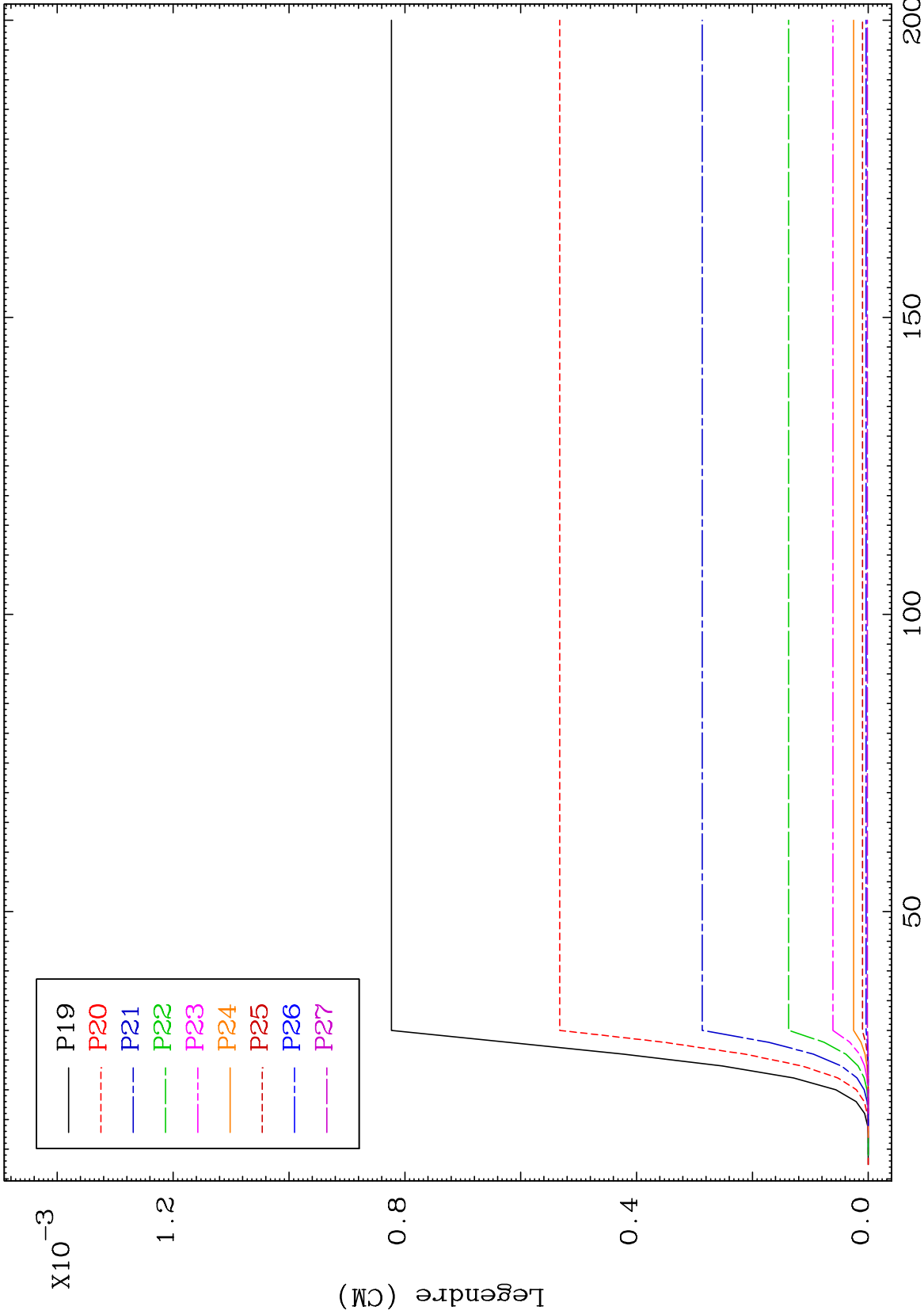
Incident Energy (MeV)

41-Nb-100

MAT 4146

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

41-Nb-100



98

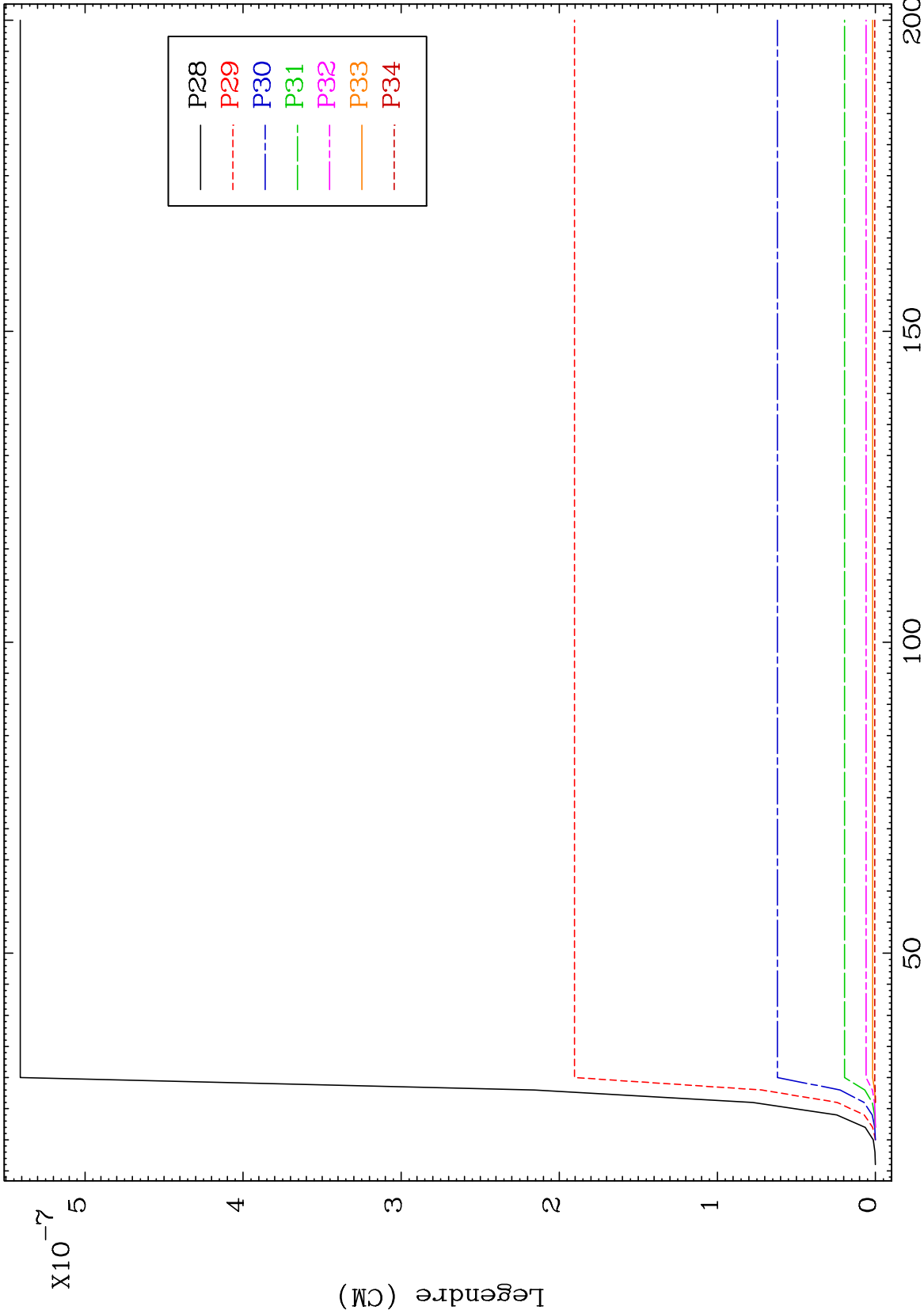
Incident Energy (MeV)

41-Nb-100

MAT 4146

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

41-Nb-100



99

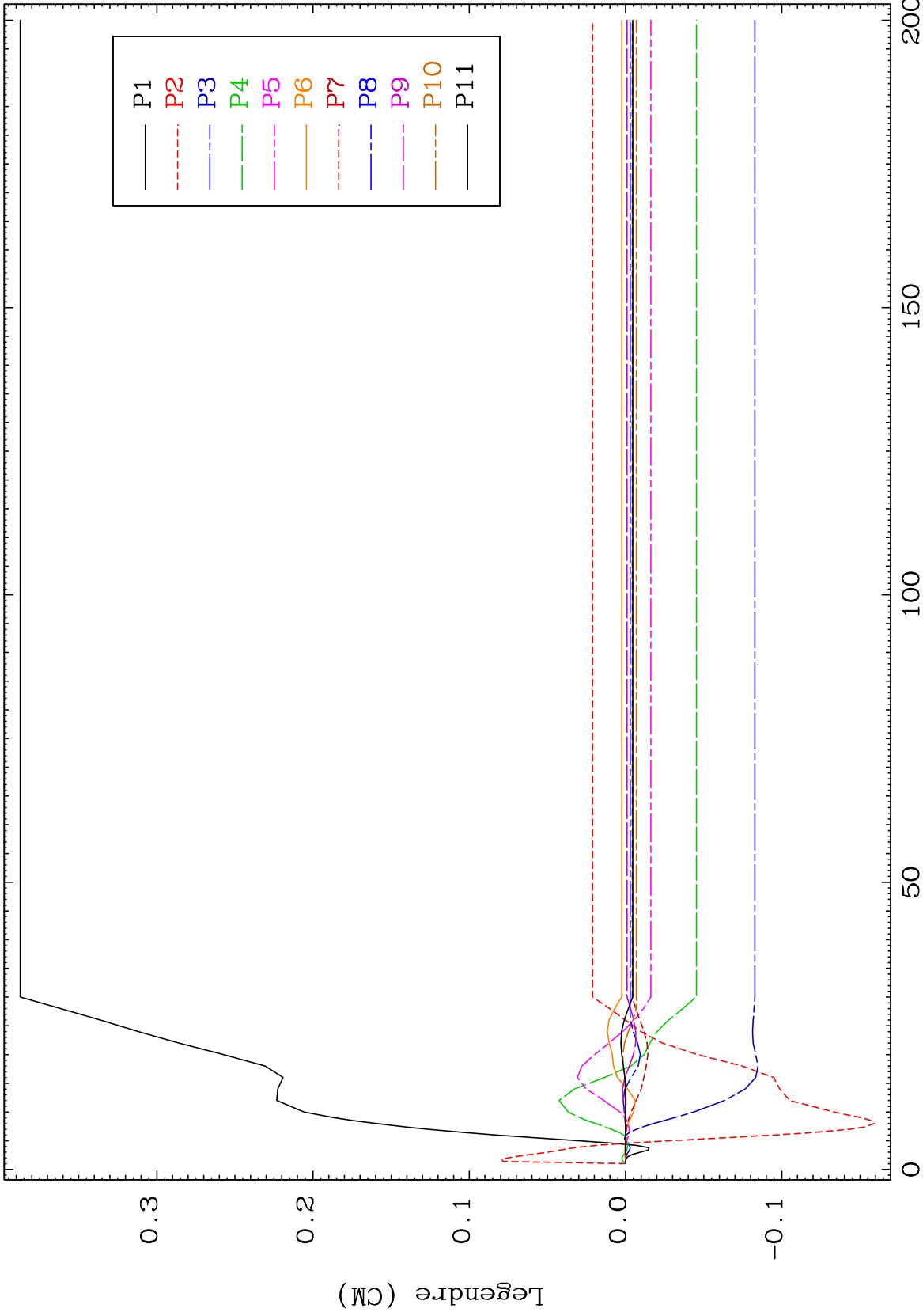
Incident Energy (MeV)

41-Nb-100

MAT 4146

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

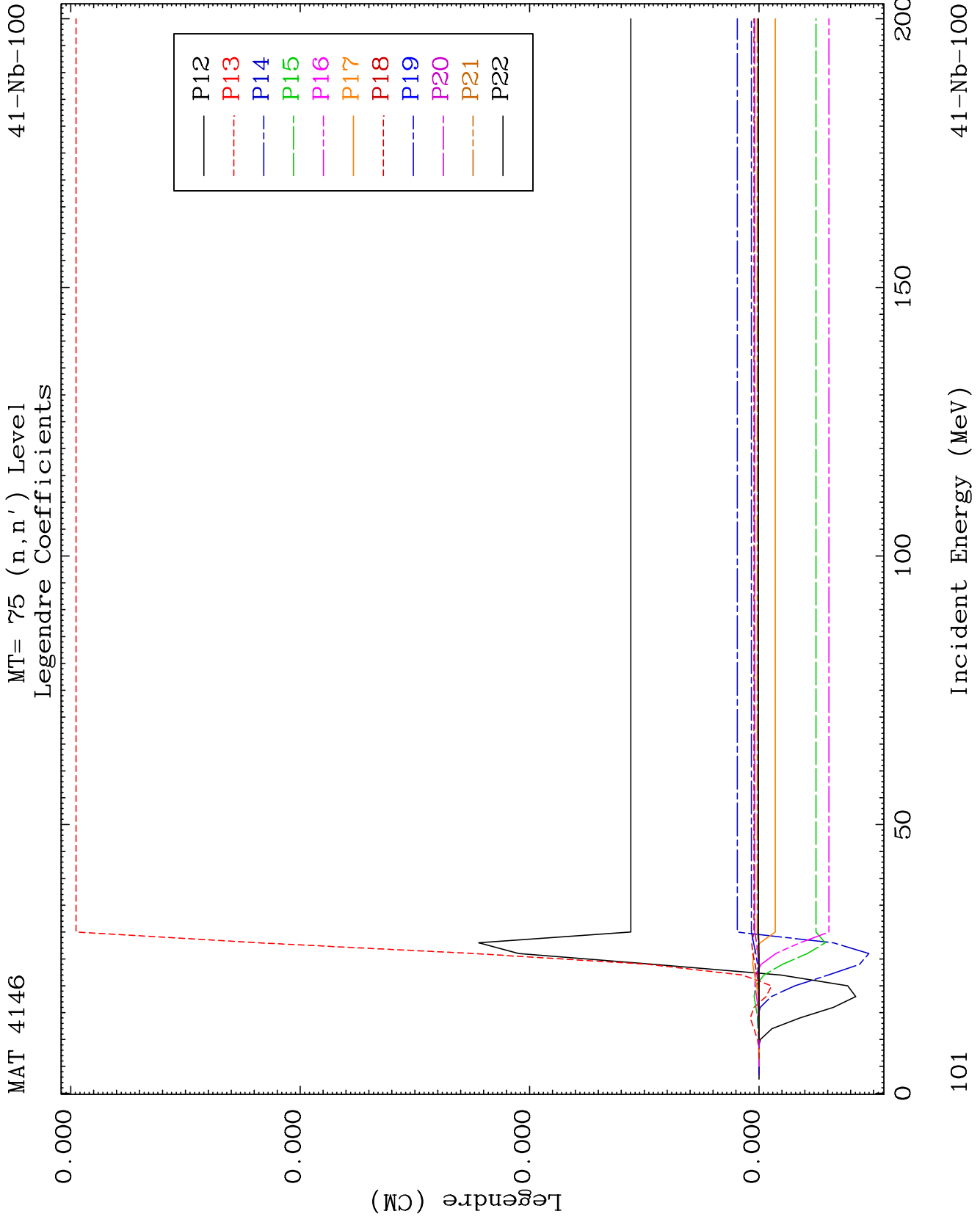
41-Nb-100



41-Nb-100

Incident Energy (MeV)

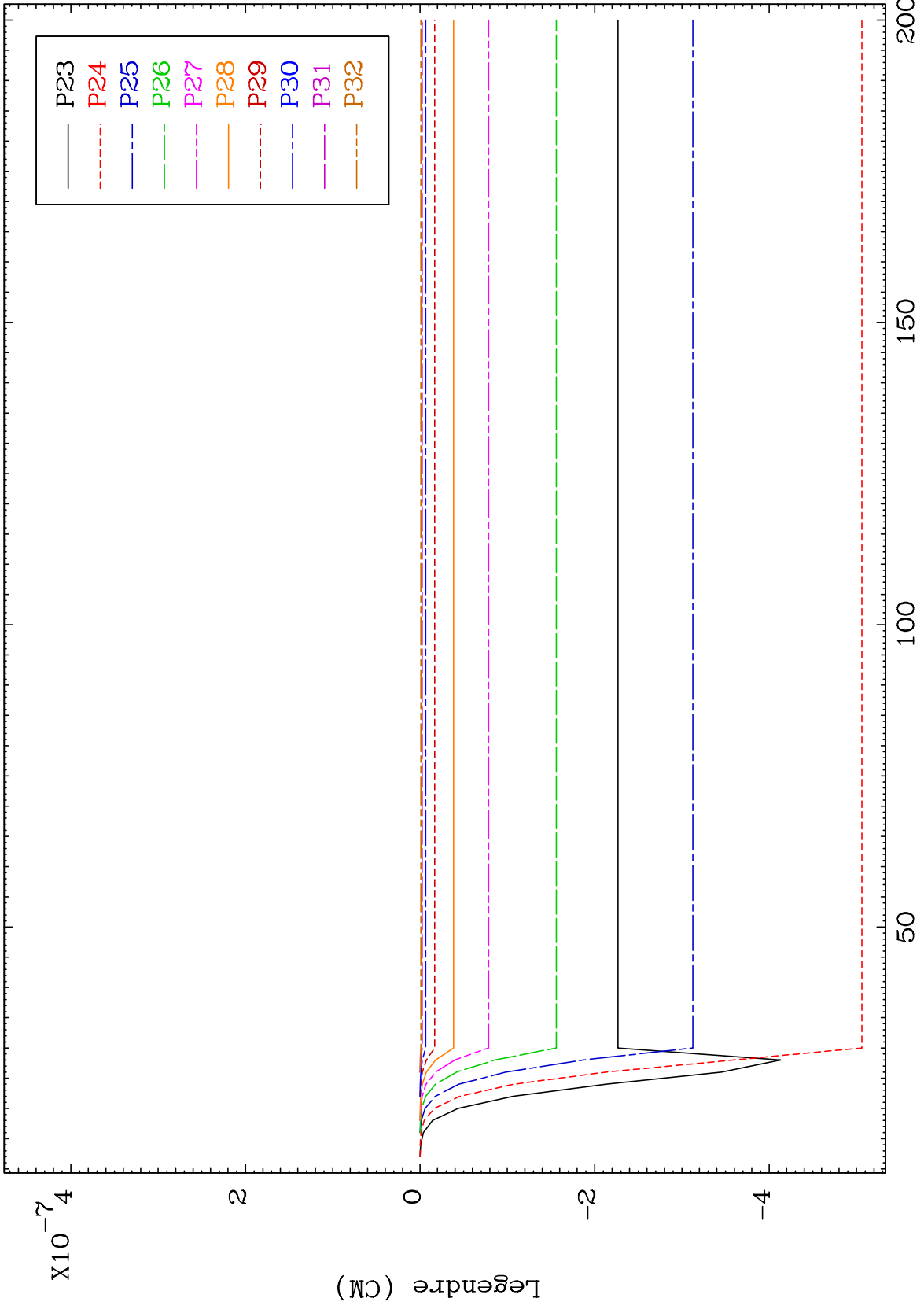
100



MAT 4146

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

41-Nb-100



102

41-Nb-100

41-Nb-100

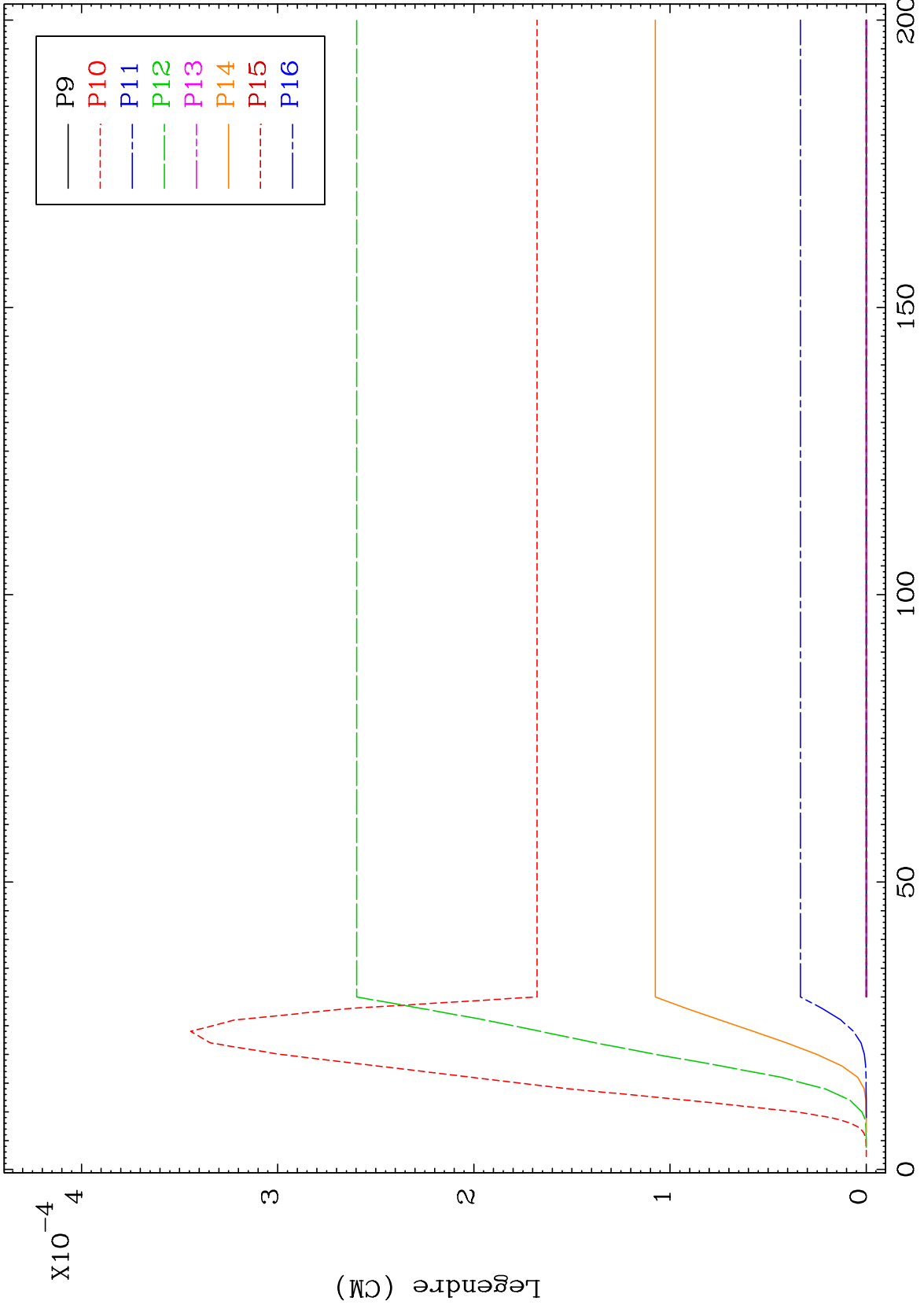




MAT 4146

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

41-Nb-100

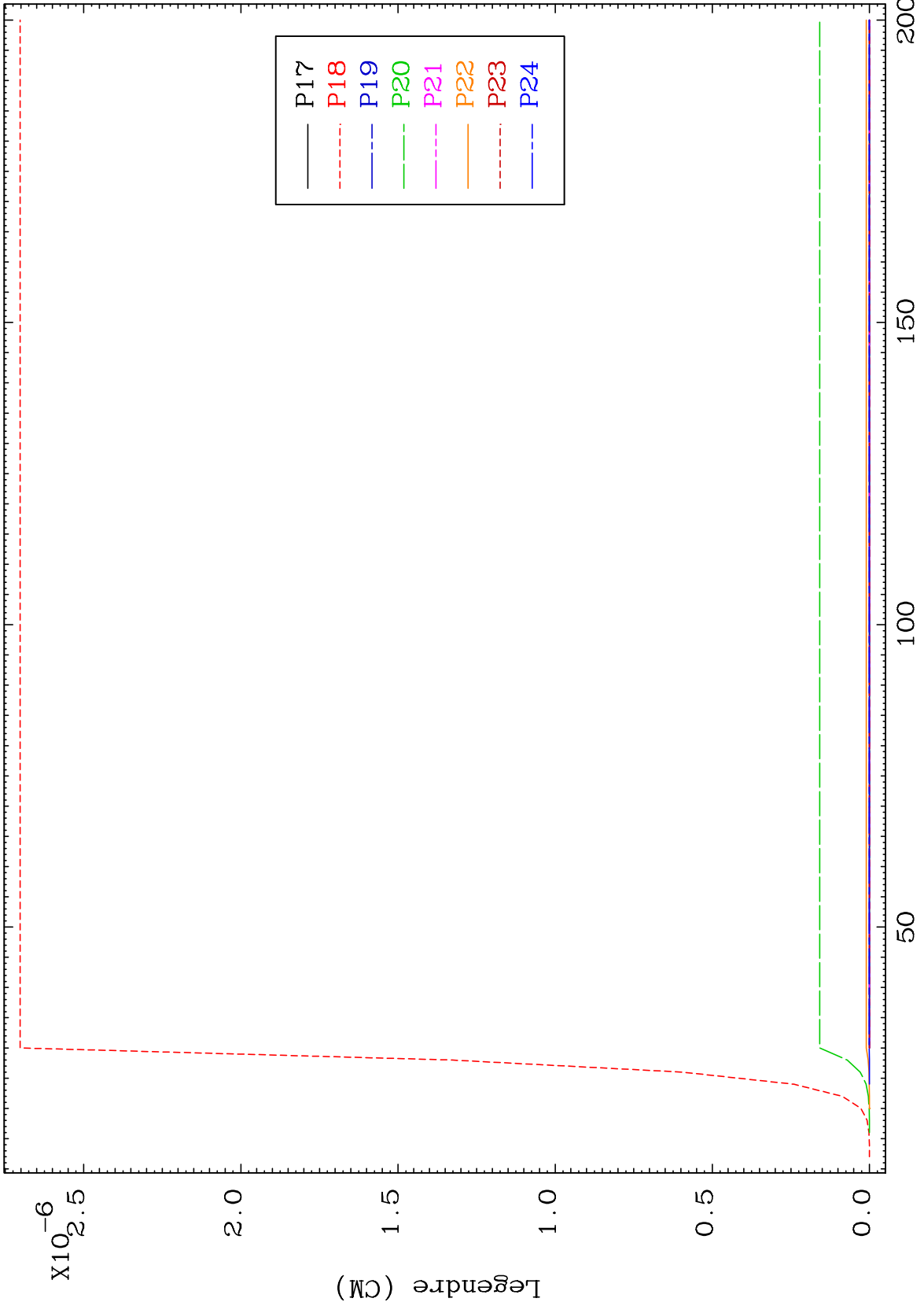


104

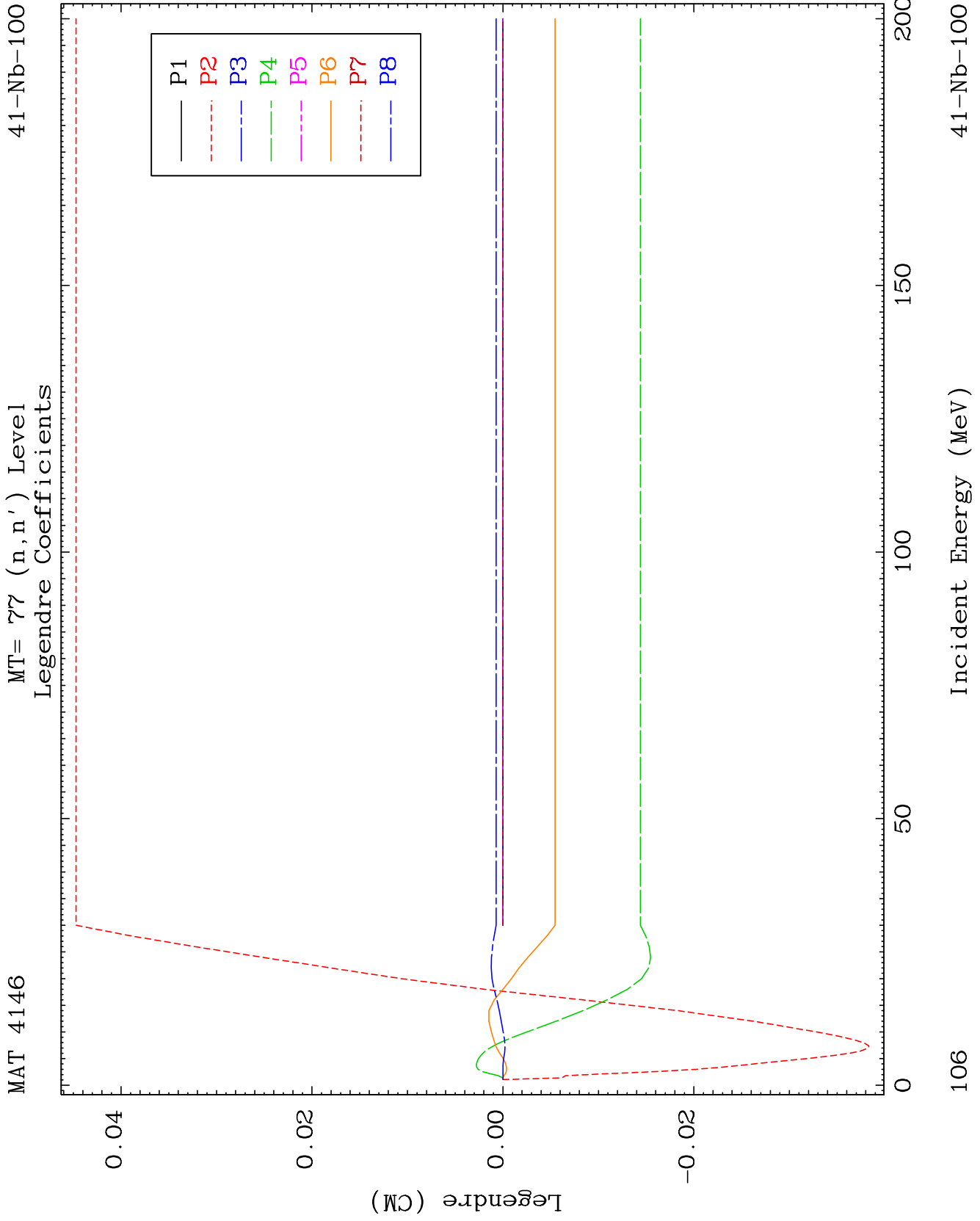
Incident Energy (MeV)

41-Nb-100

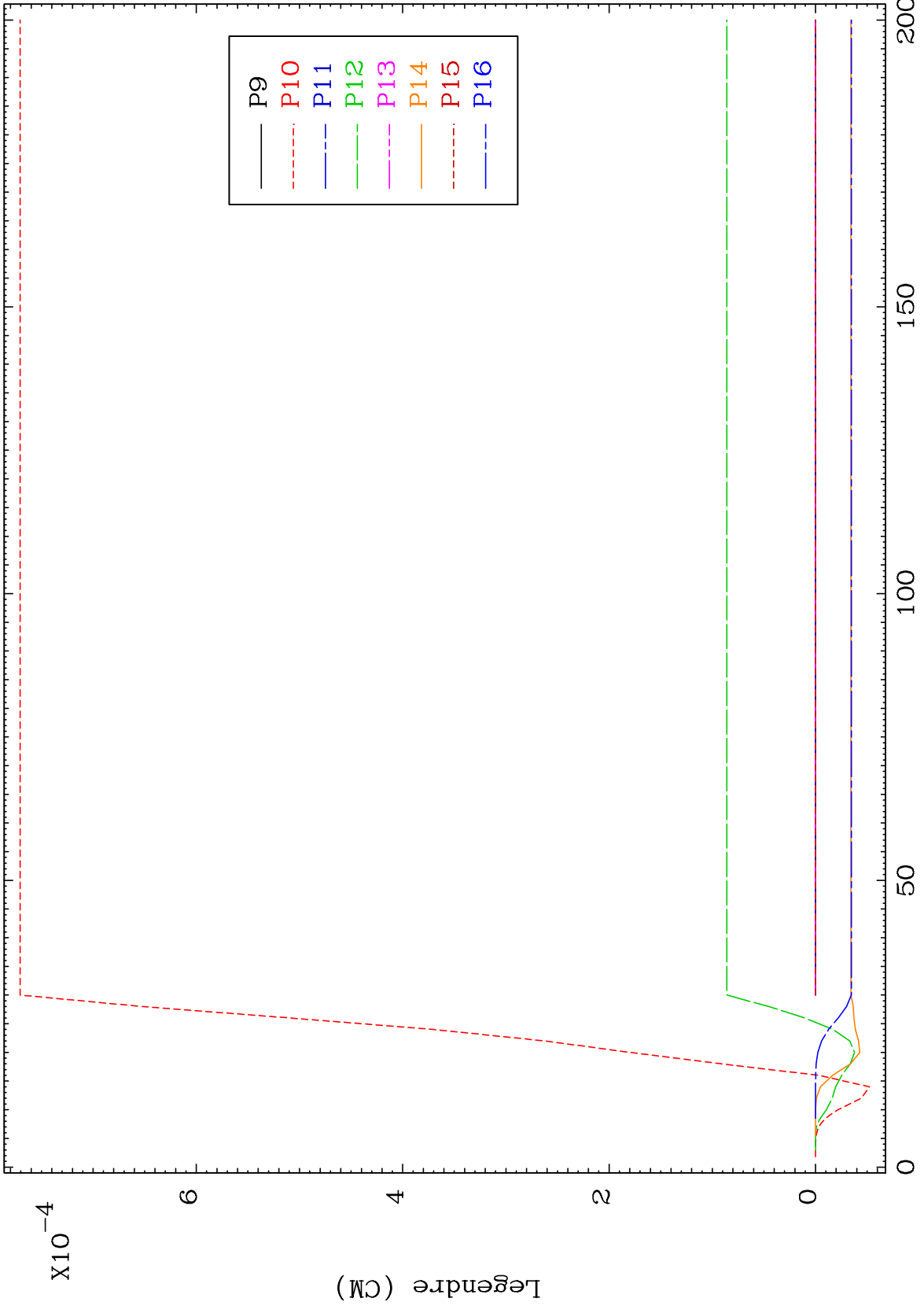
MAT 4146 MT= 76 (n,n') Level Legendre Coefficients 41-Nb-100



41-Nb-100

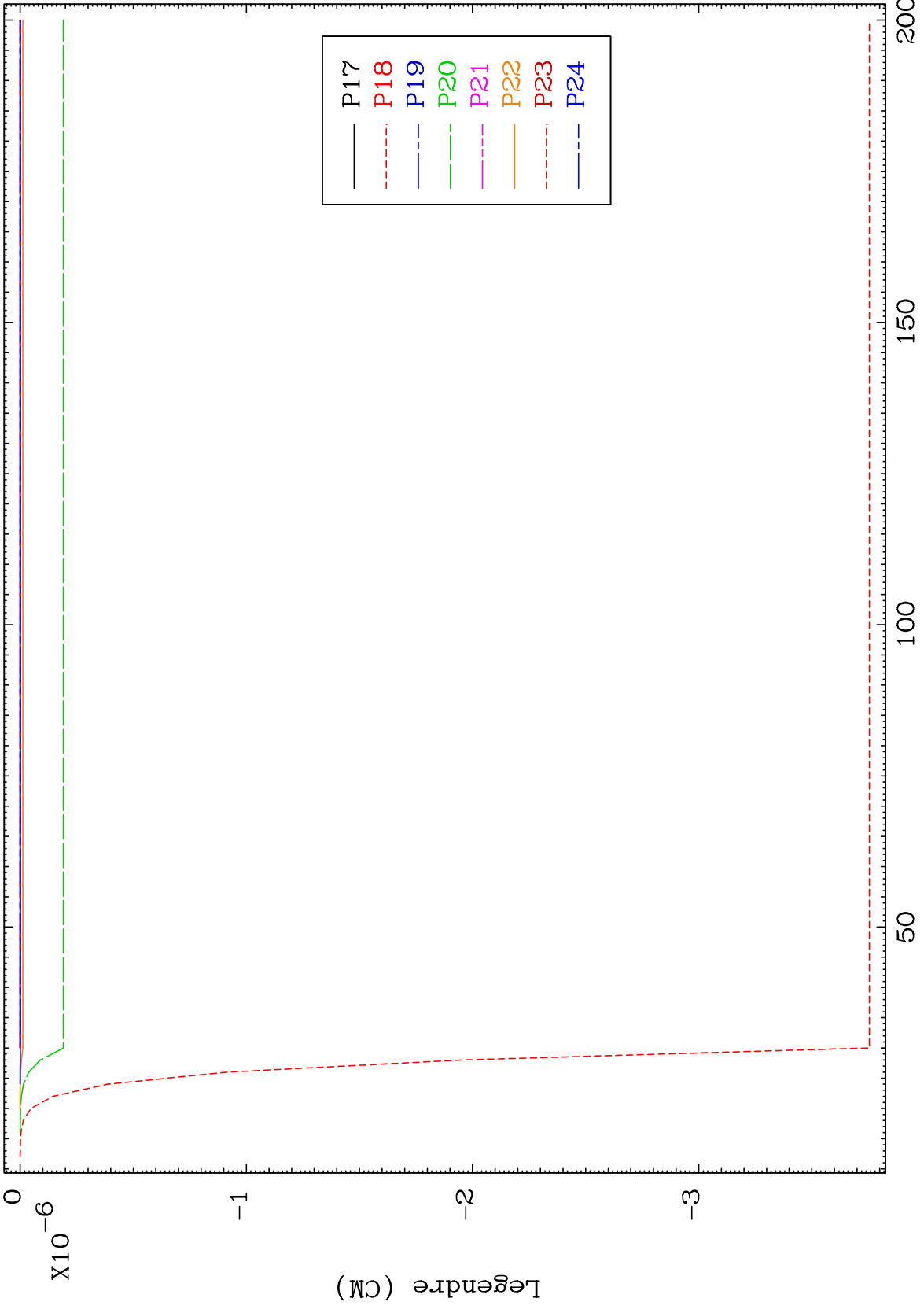


MAT 4146 MT= 77 (n,n') Level Legendre Coefficients 41-Nb-100



107 41-Nb-100

MAT 4146 MT= 77 (n,n') Level Legendre Coefficients 41-Nb-100

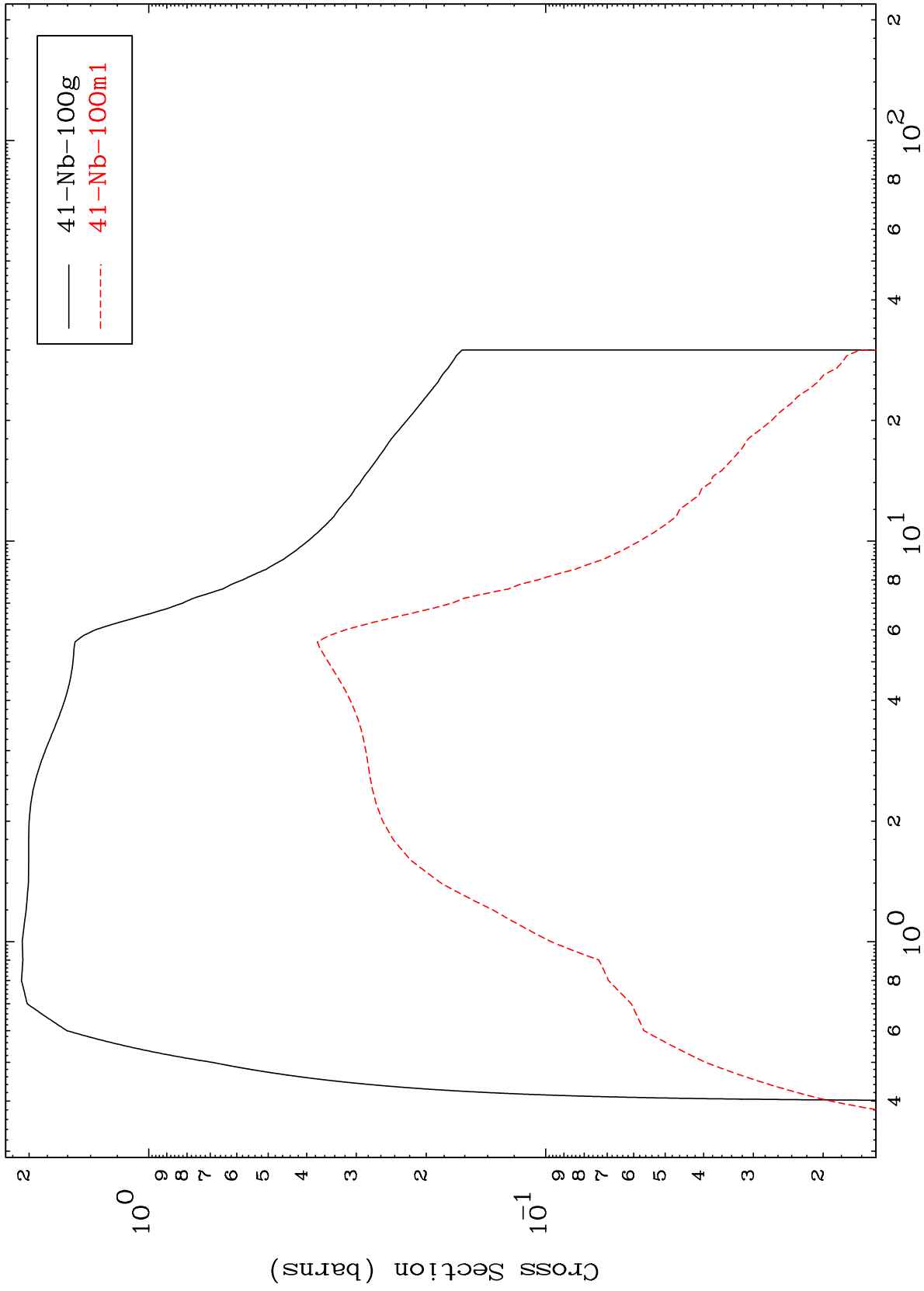


108 41-Nb-100

MAT 4146

41-Nb-100

### Inelastic Radionuclide Production Cross Section



109

Incident Energy (MeV)

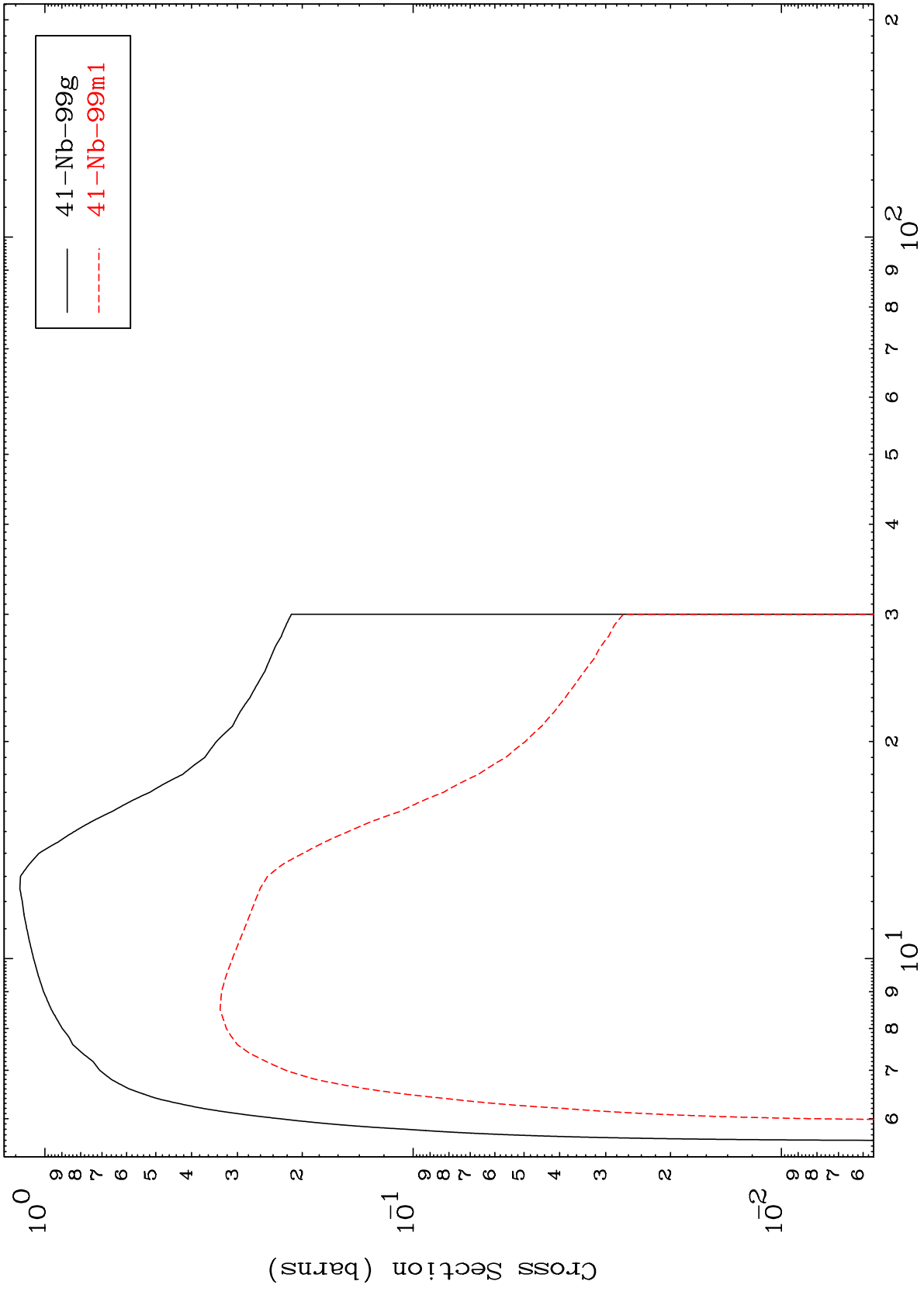
41-Nb-100

MAT 4146

(n,2n)

41-Nb-100

Radionuclide Production Cross Section



41-Nb-99g  
41-Nb-99m1

110

Incident Energy (MeV)

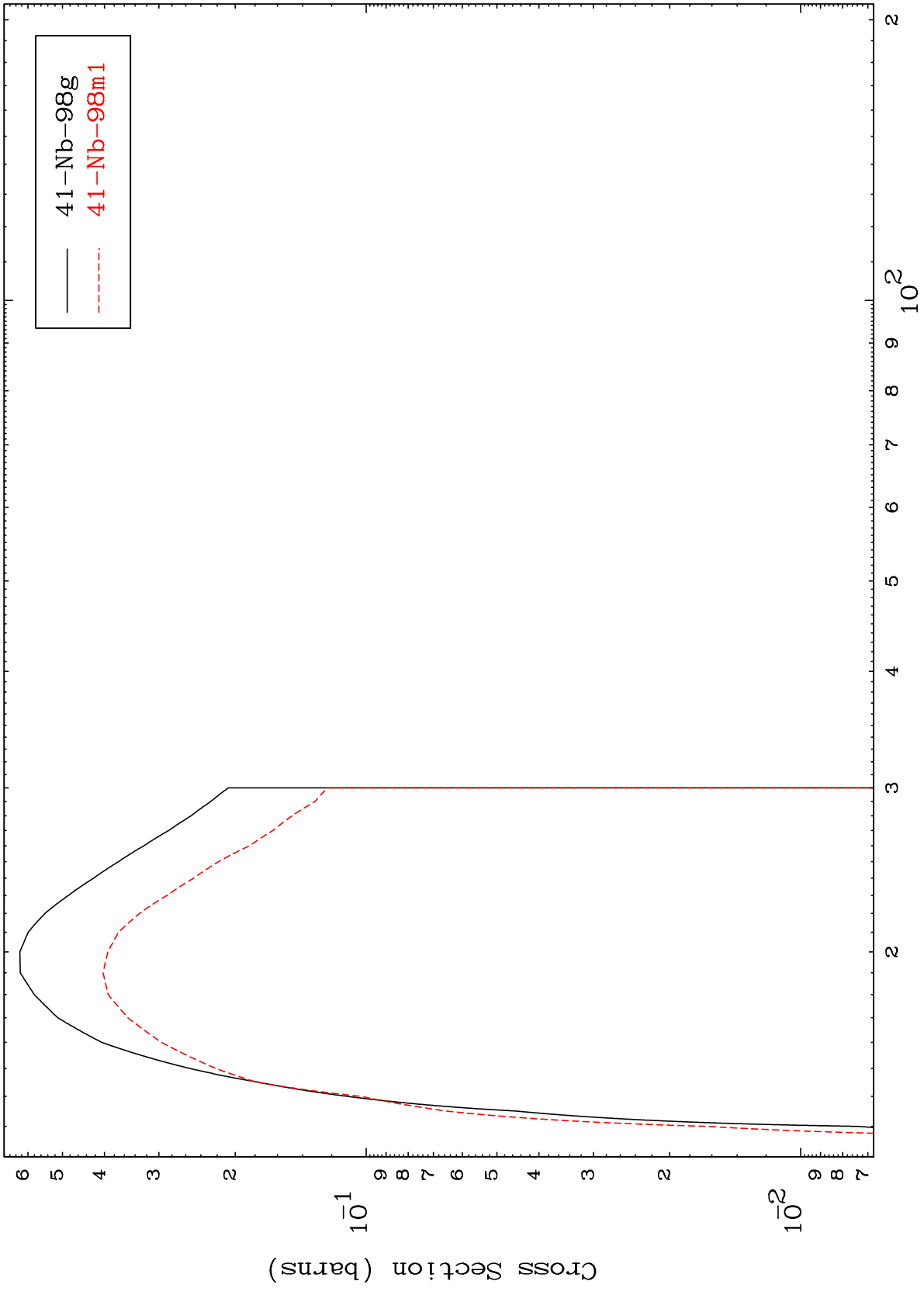
41-Nb-100

MAT 4146

(n,3n)

41-Nb-100

Radionuclide Production Cross Section



111

Incident Energy (MeV)

41-Nb-100

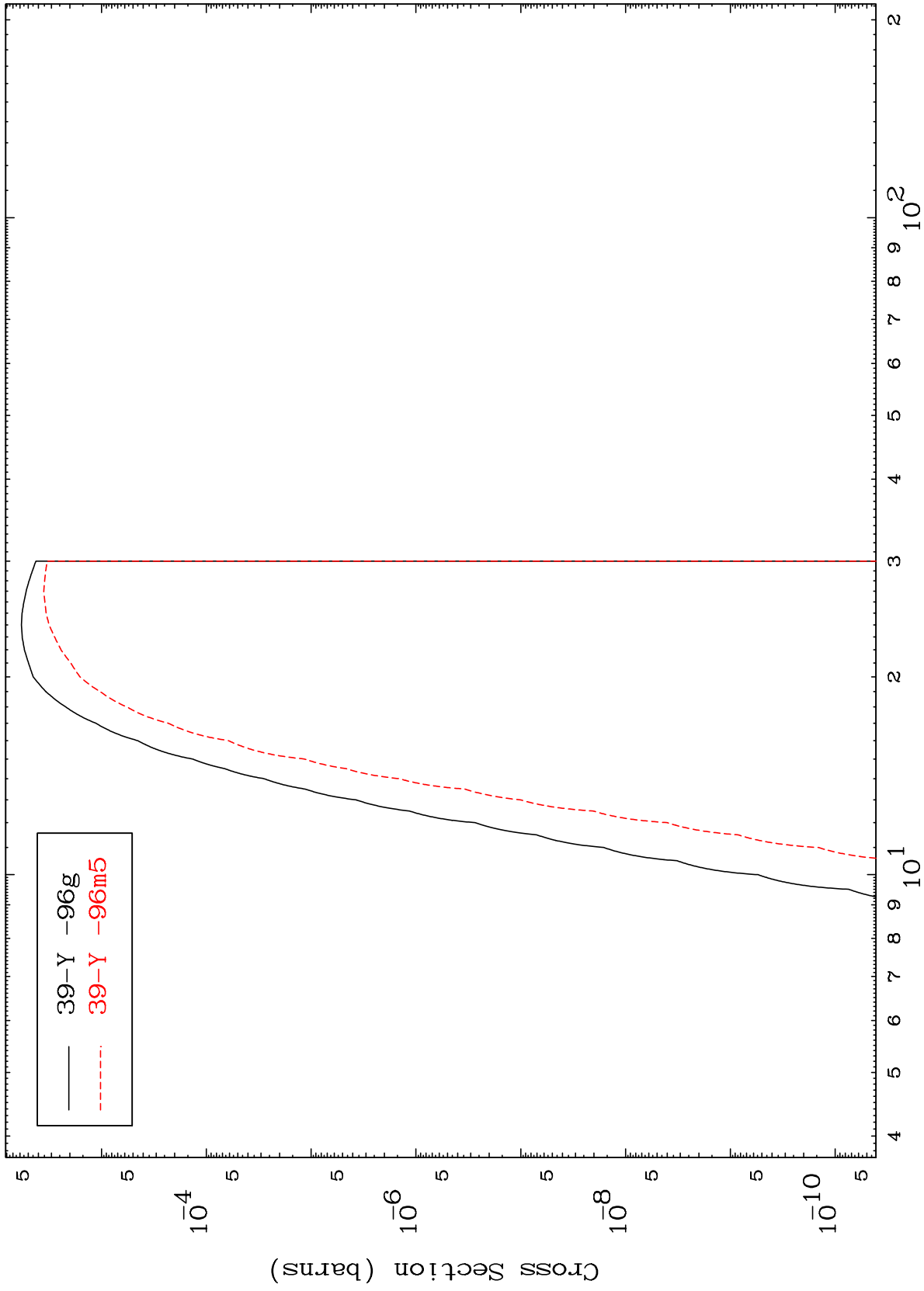


MAT 4146

(n,n')  $\alpha$

41-Nb-100

Radionuclide Production Cross Section



112

Incident Energy (MeV)

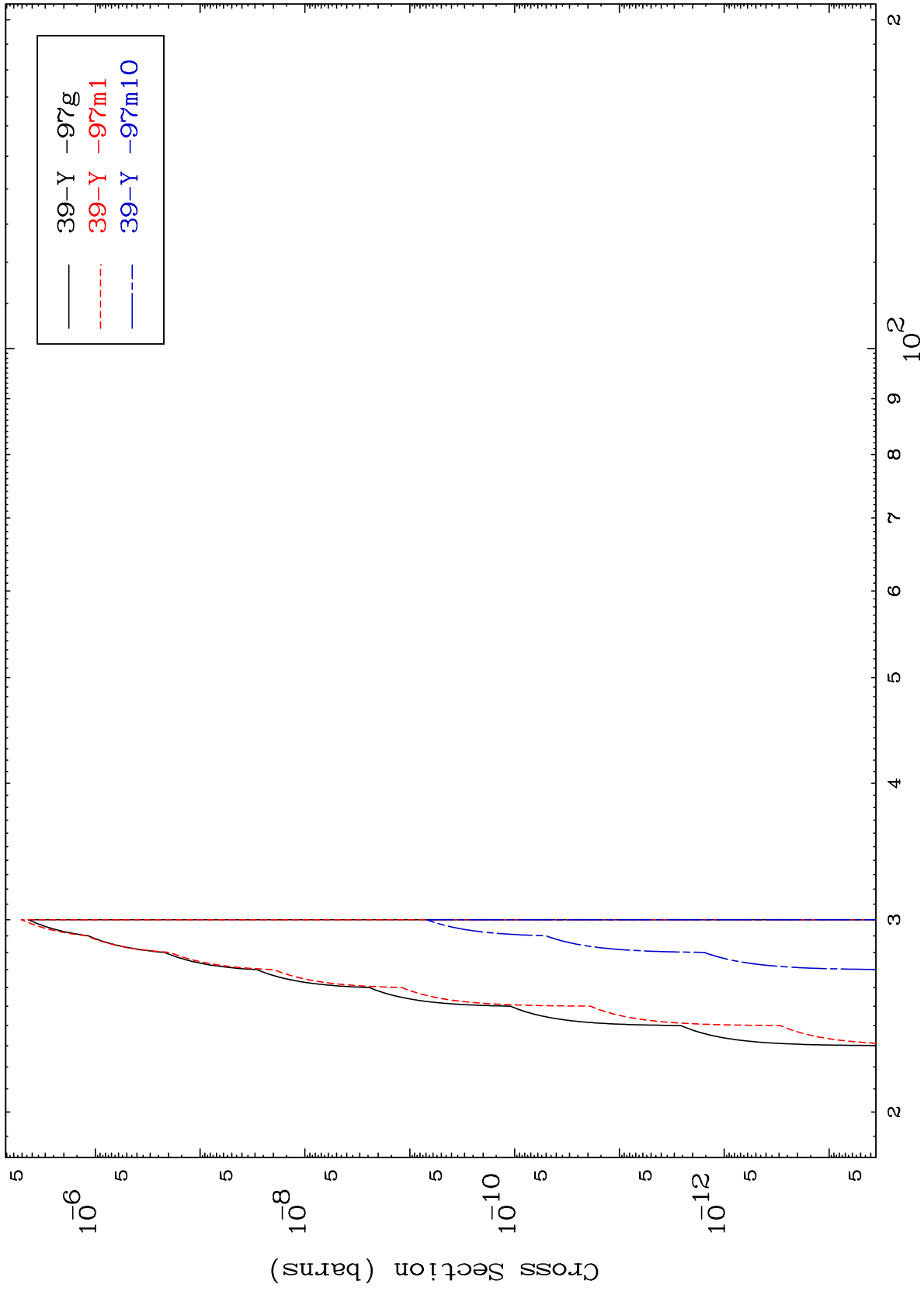
41-Nb-100

MAT 4146

(n, n') He-3

41-Nb-100

Radionuclide Production Cross Section



113

Incident Energy (MeV)

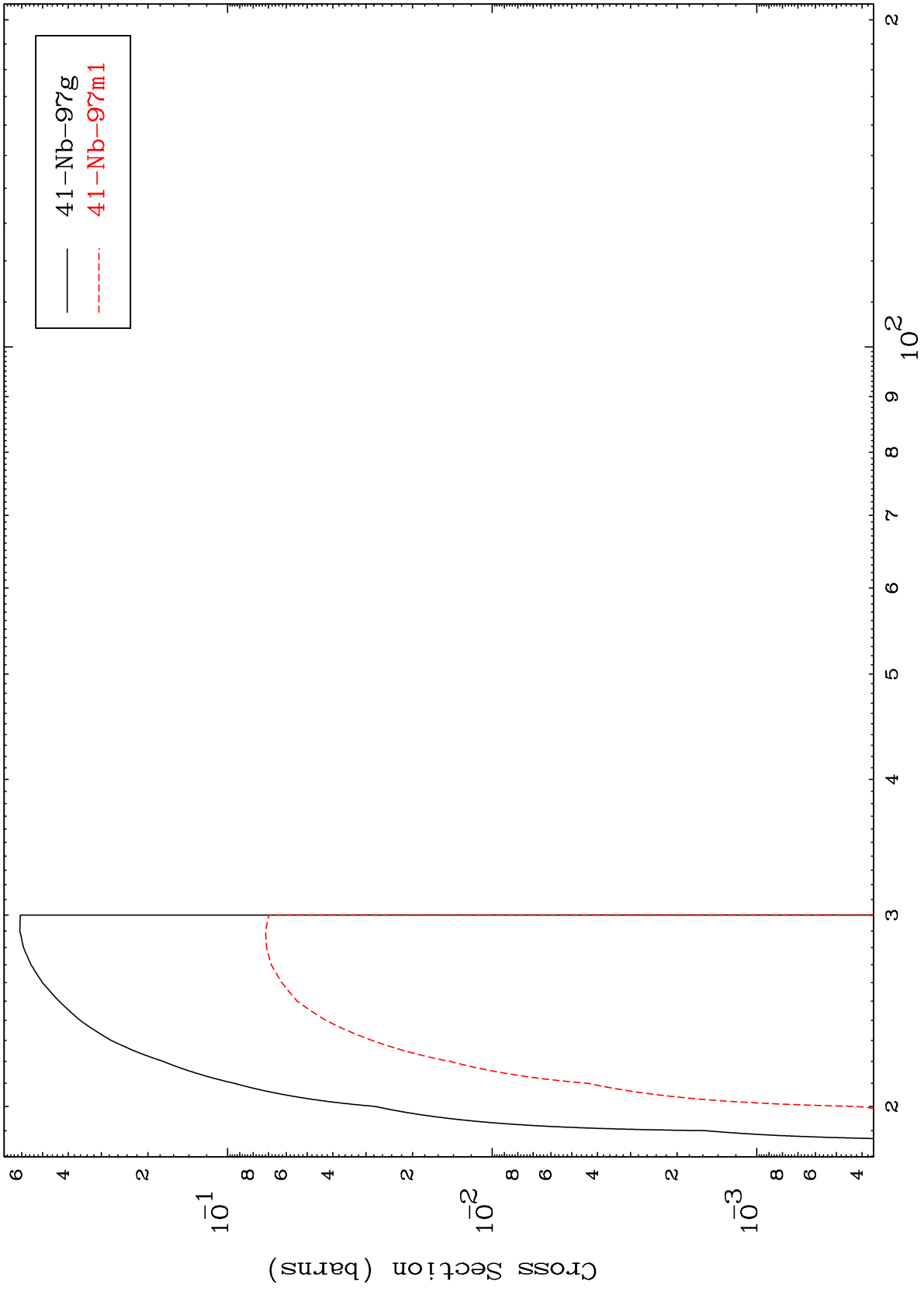
41-Nb-100

MAT 4146

(n,4n)

41-Nb-100

Radionuclide Production Cross Section



114

Incident Energy (MeV)

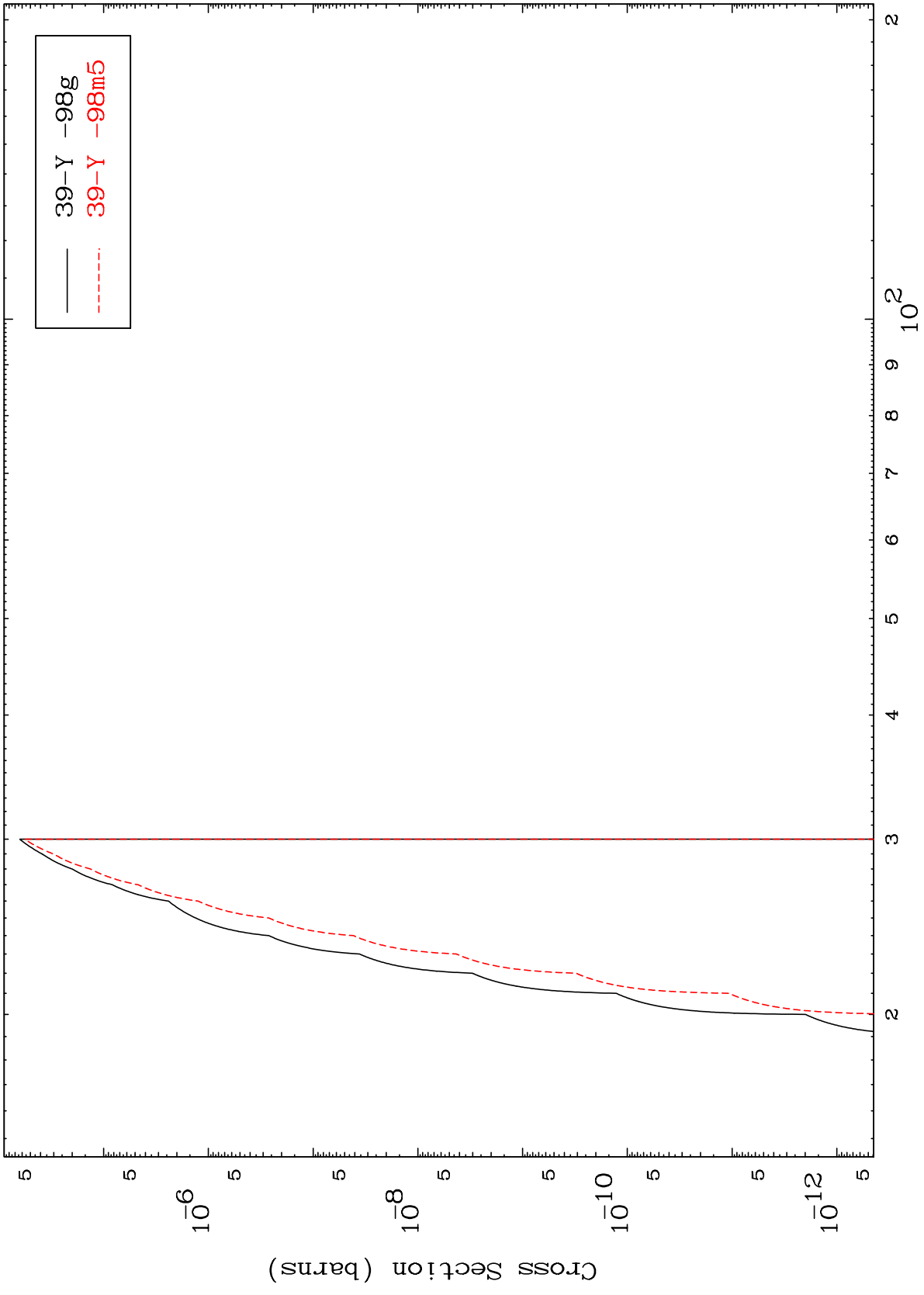
41-Nb-100

MAT 4146

(n, He-3)

41-Nb-100

Radionuclide Production Cross Section



115

Incident Energy (MeV)

41-Nb-100

MAT 4146

(n,  $\alpha$ )

41-Nb-100

Radionuclide Production Cross Section

