

Program EVALPLOT  
(Version 2018-1)

by

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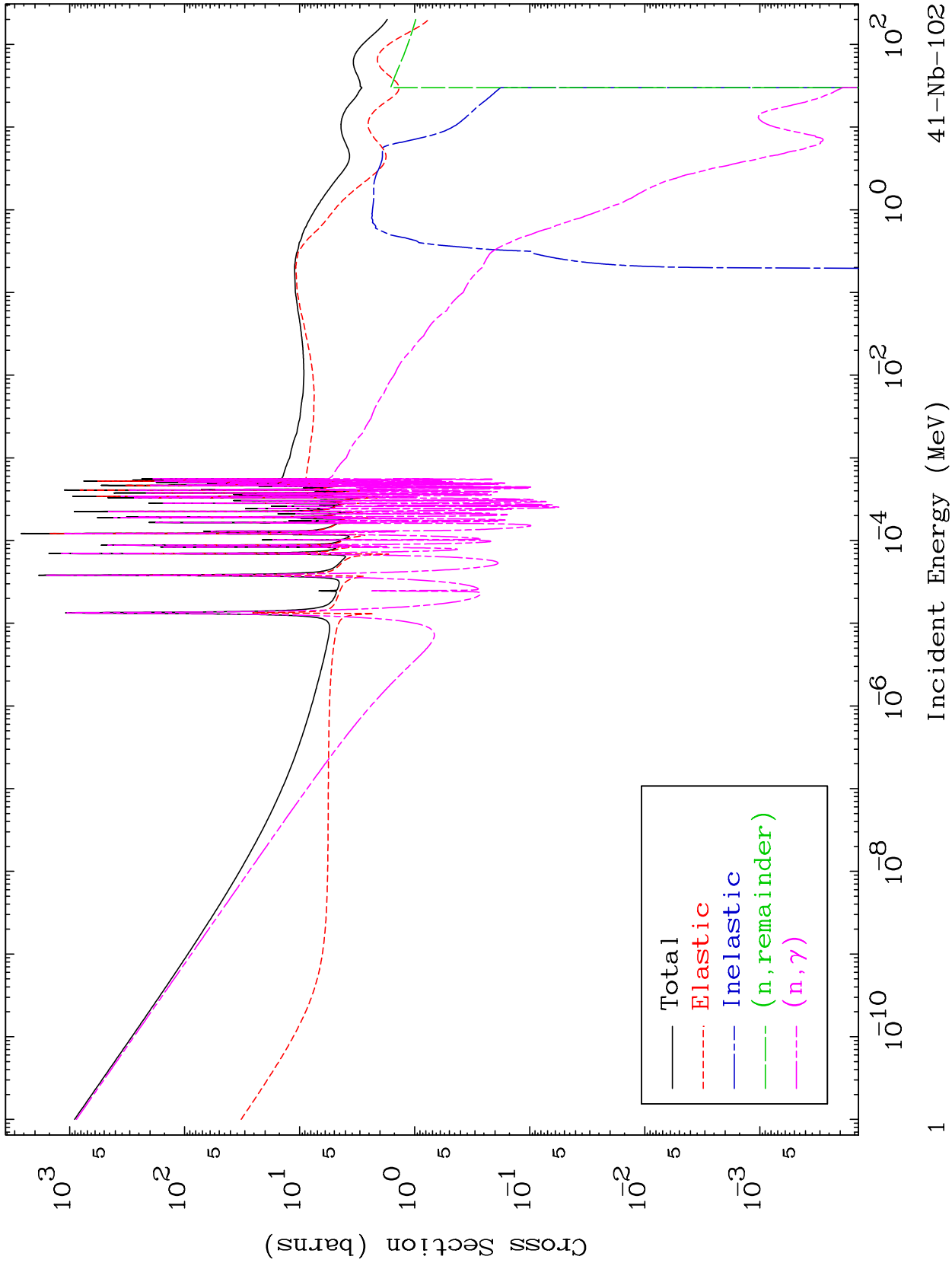
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4152

Major  
293 Kelvin Cross Sections

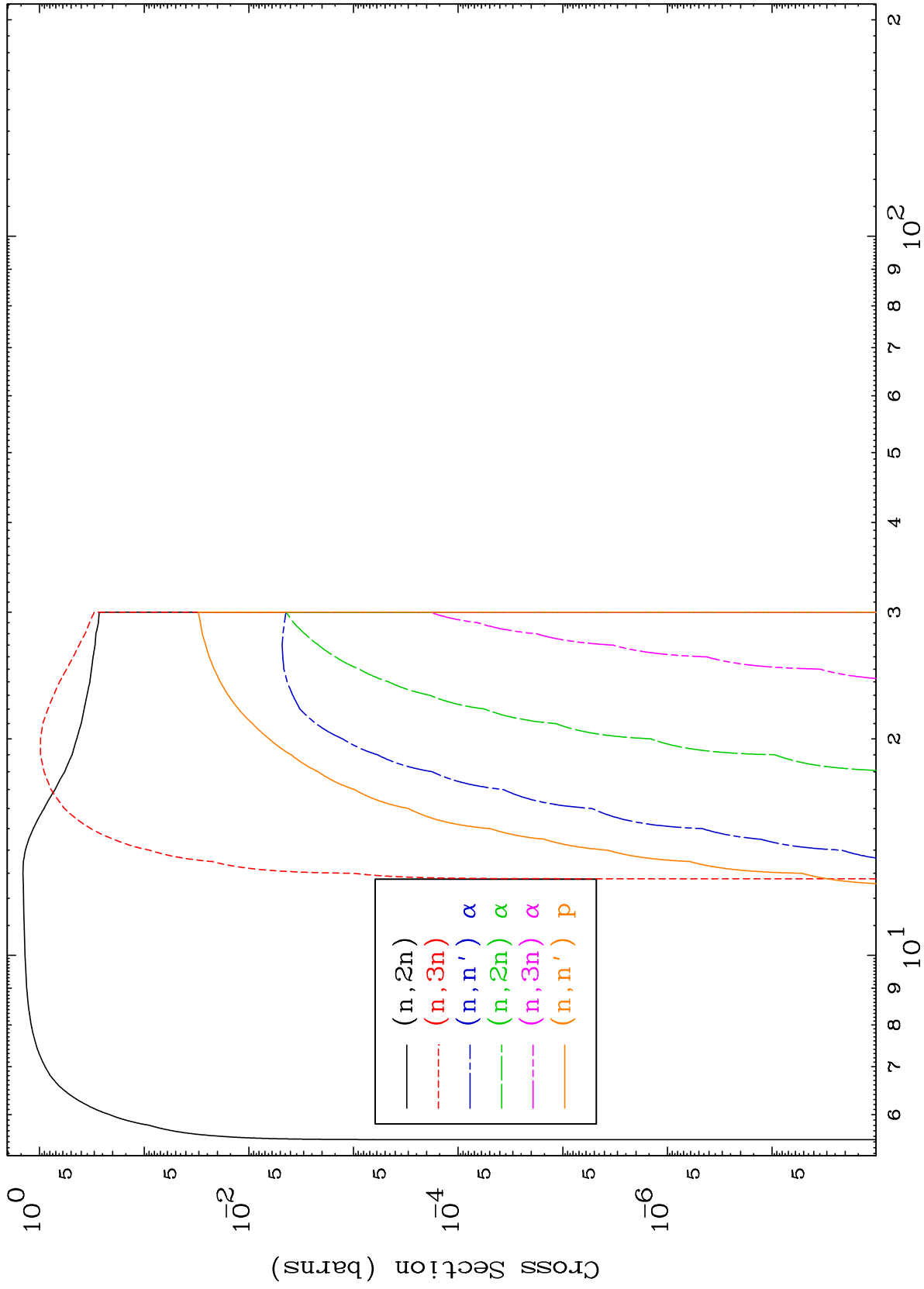
41-Nb-102



MAT 4152

Neutron Production  
293 Kelvin Cross Sections

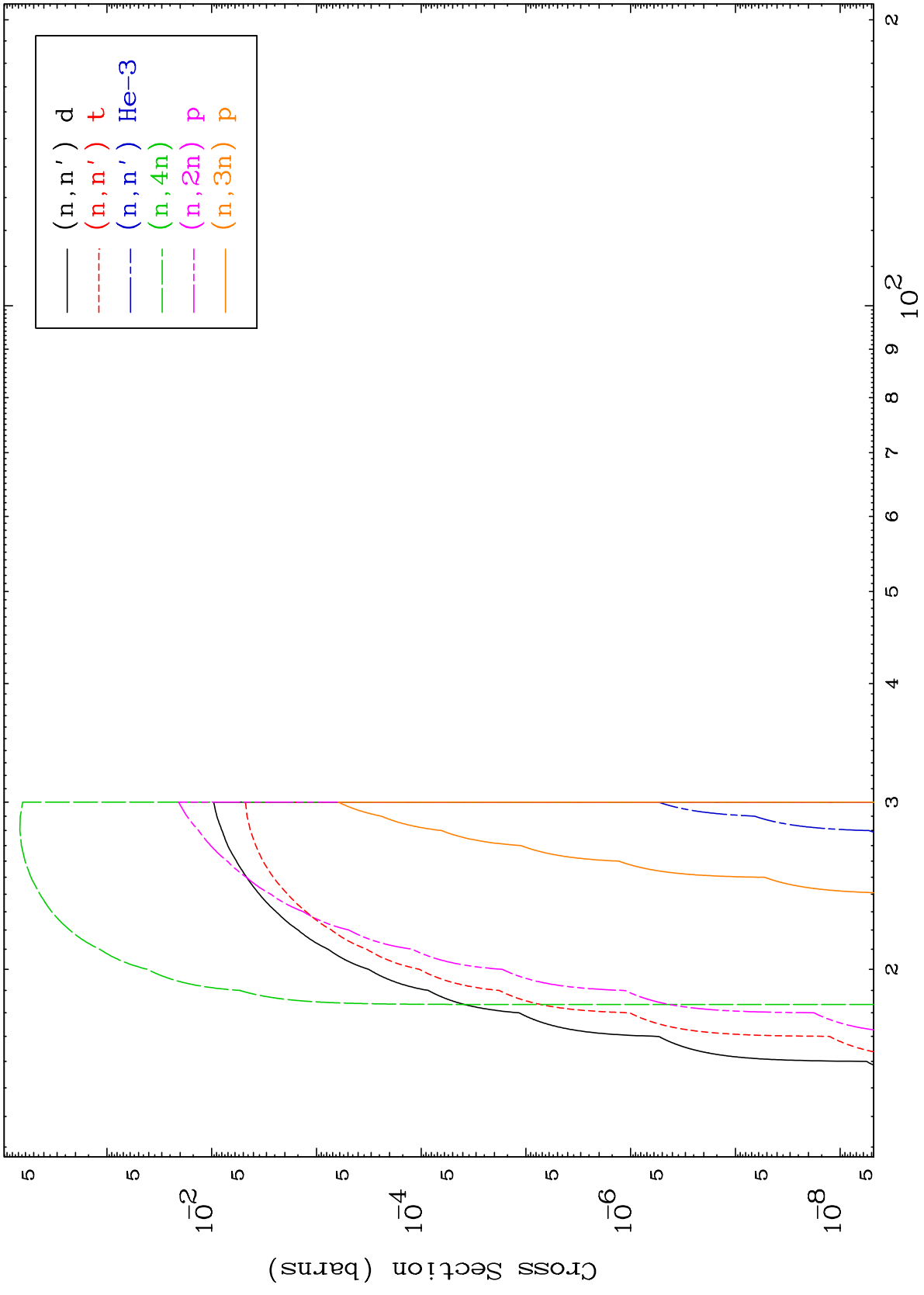
41-Nb-102

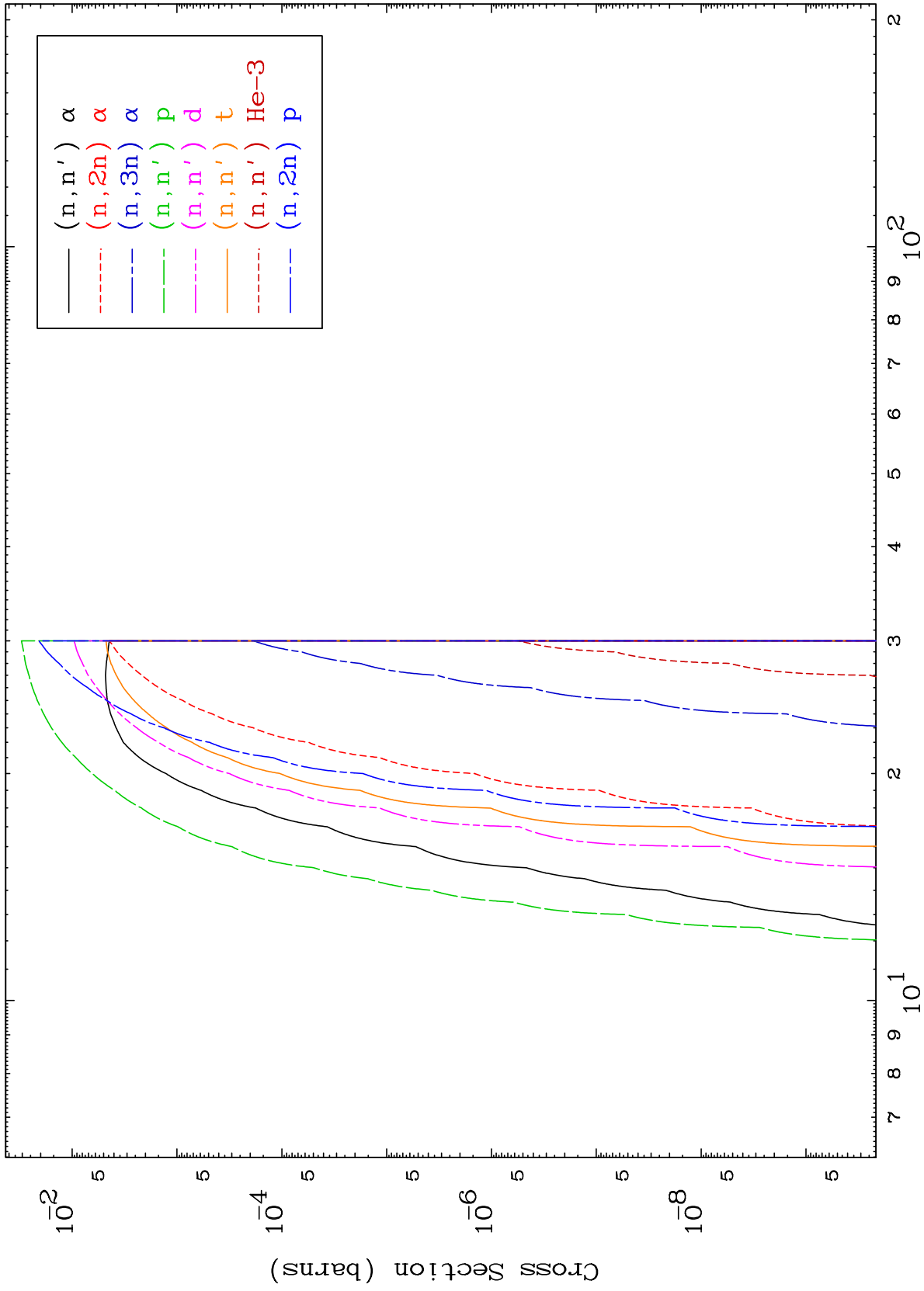


2

Incident Energy (MeV)

41-Nb-102

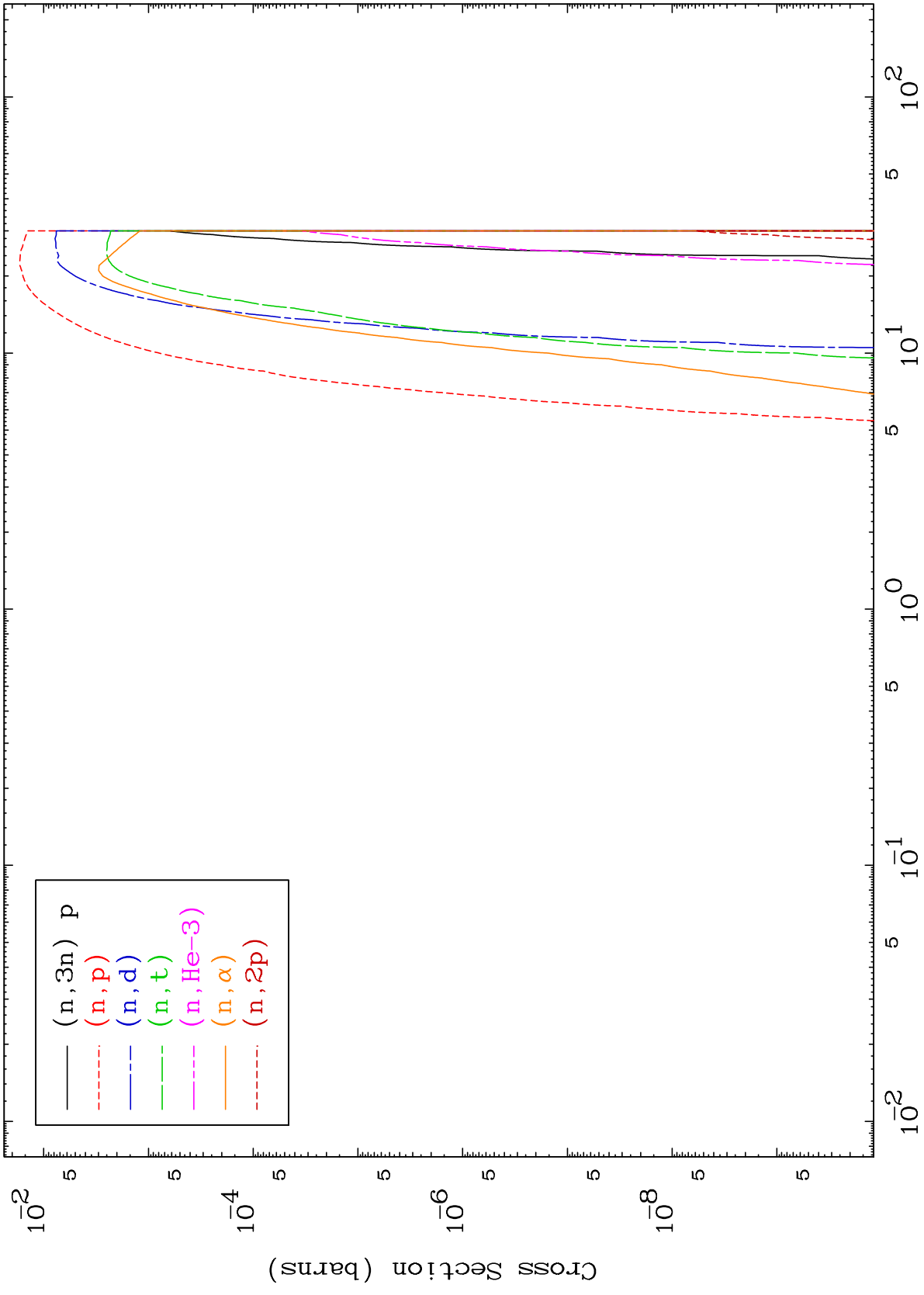




MAT 4152

Charged Particle  
293 Kelvin Cross Sections

41-Nb-102



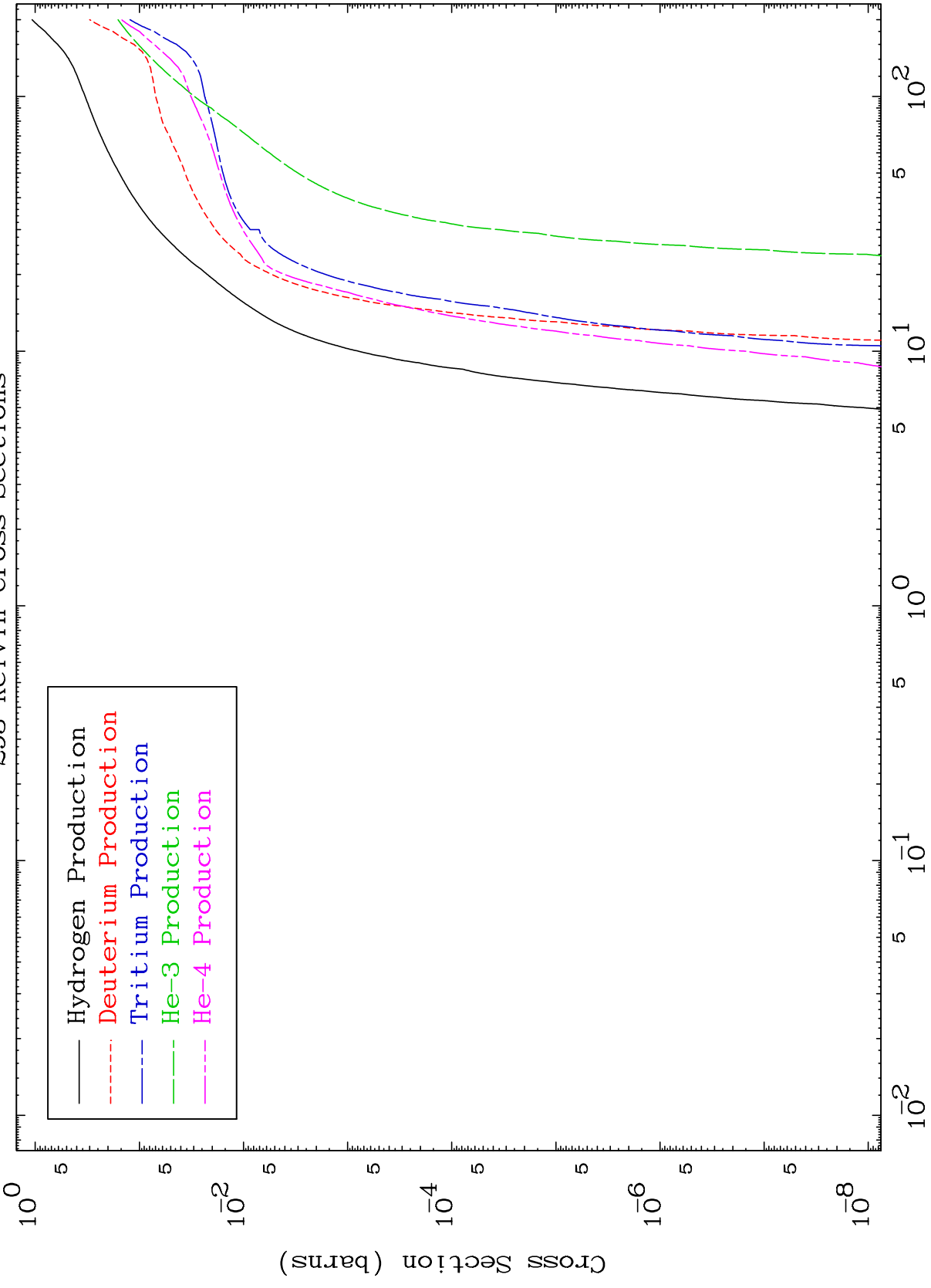
41-Nb-102

Incident Energy (MeV)

MAT 4152

Particle Production  
293 Kelvin Cross Sections

41-Nb-102



41-Nb-102

Incident Energy (MeV)

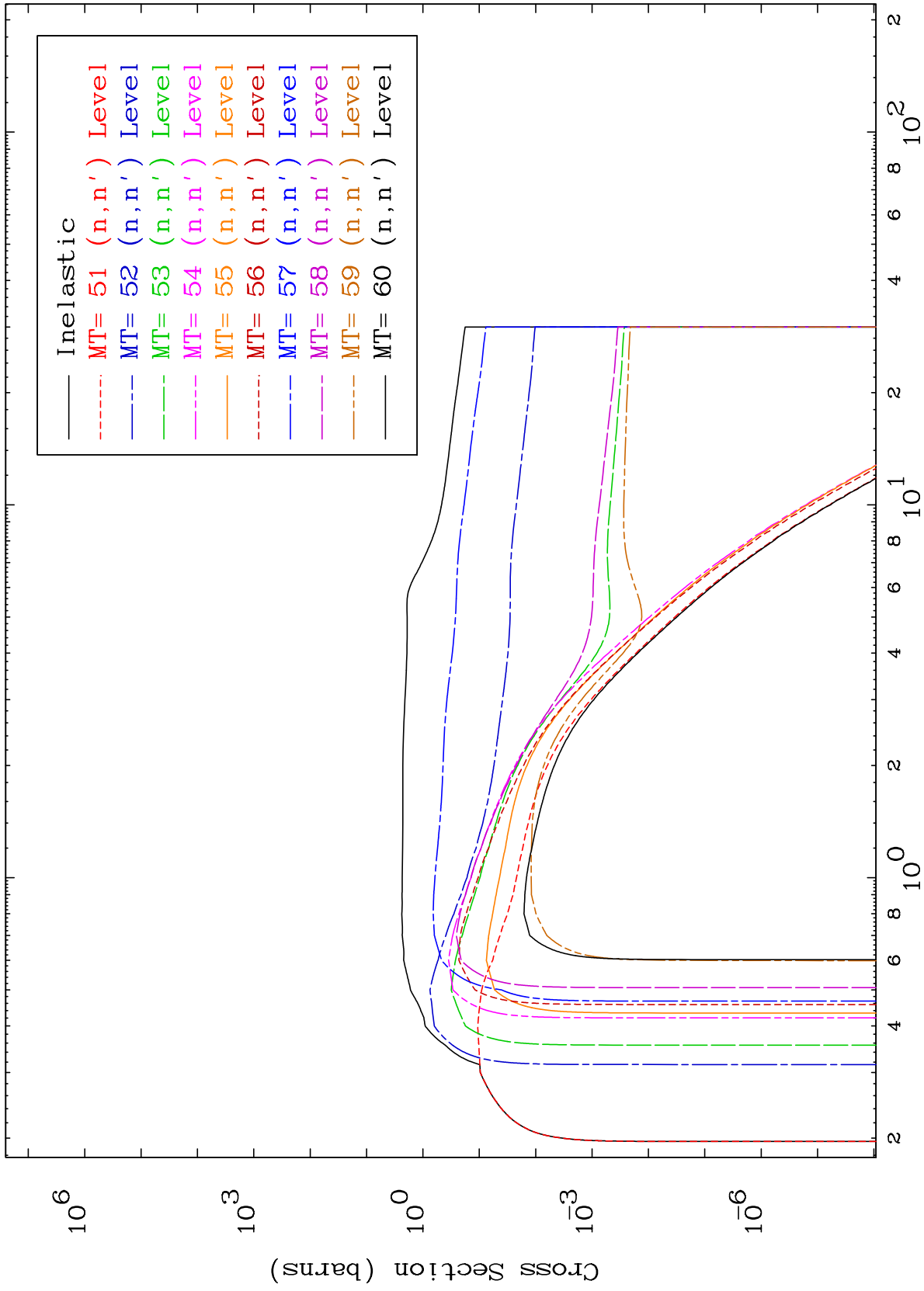
6

MAT 4152

(n,n') Level

41-Nb-102

293 Kelvin Cross Sections



7

Incident Energy (MeV)

41-Nb-102

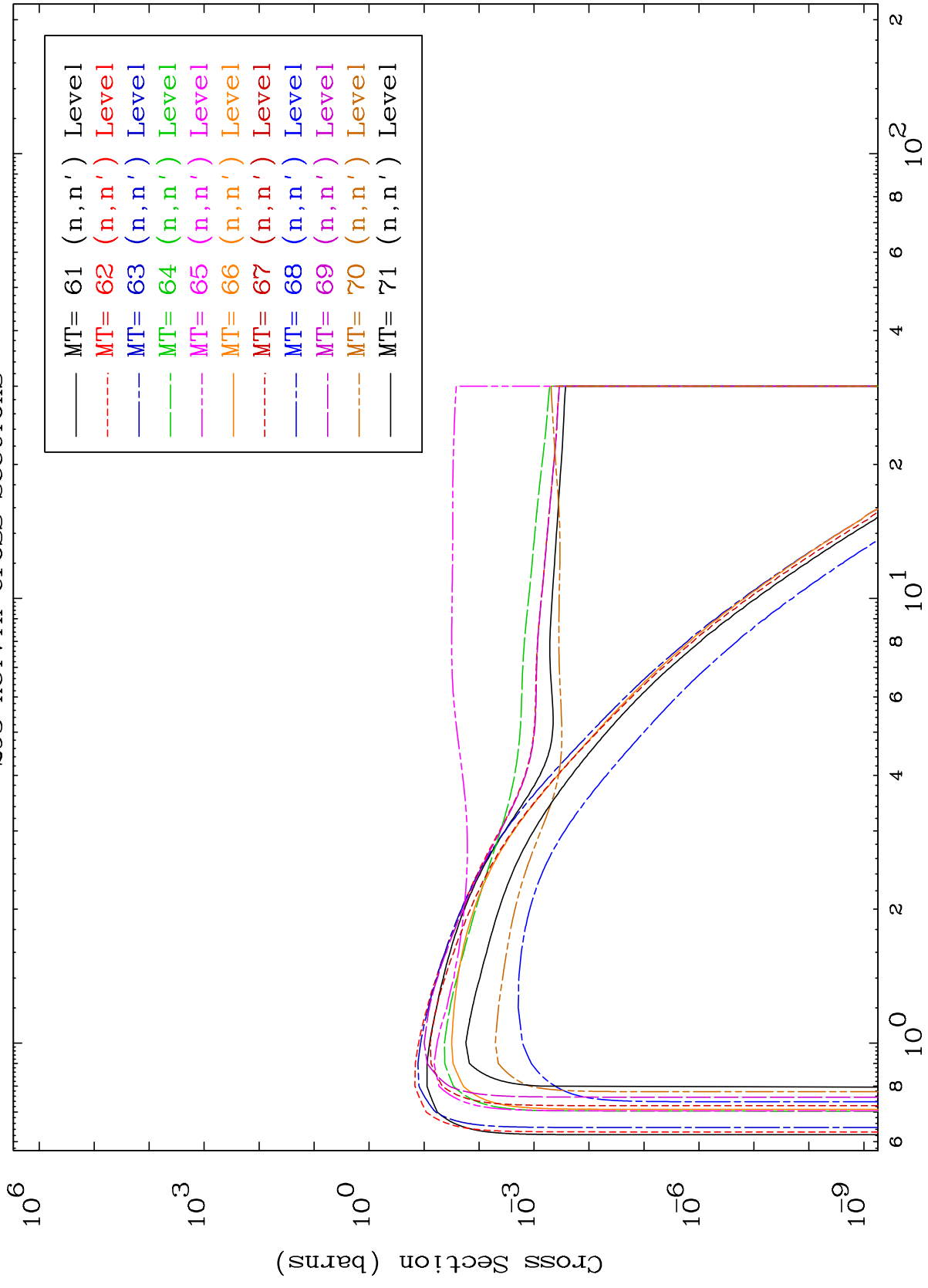


MAT 4152

(n,n') Level

41-Nb-102

293 Kelvin Cross Sections



8

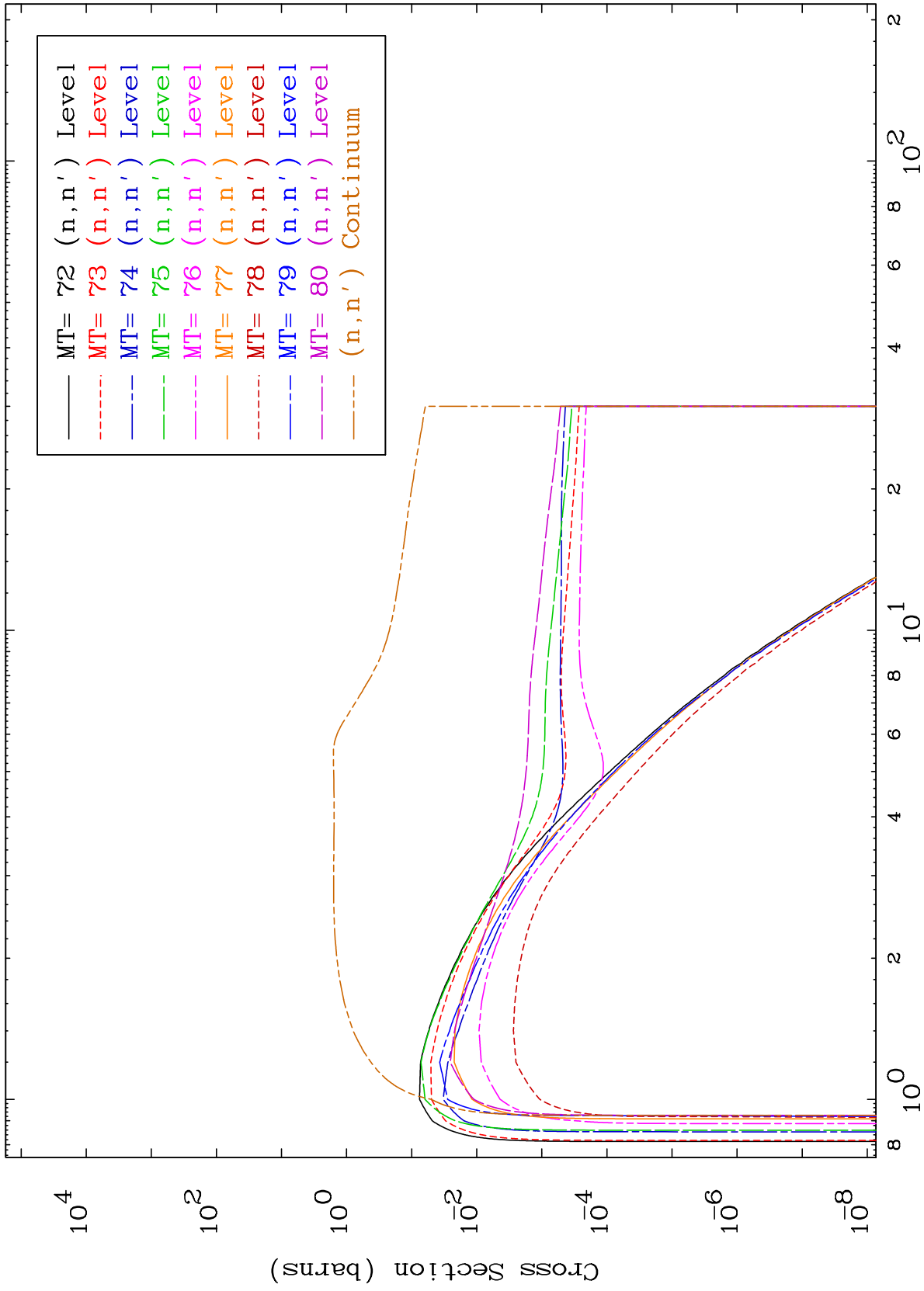
Incident Energy (MeV)

41-Nb-102

MAT 4152

(n,n') Level  
293 Kelvin Cross Sections

41-Nb-102



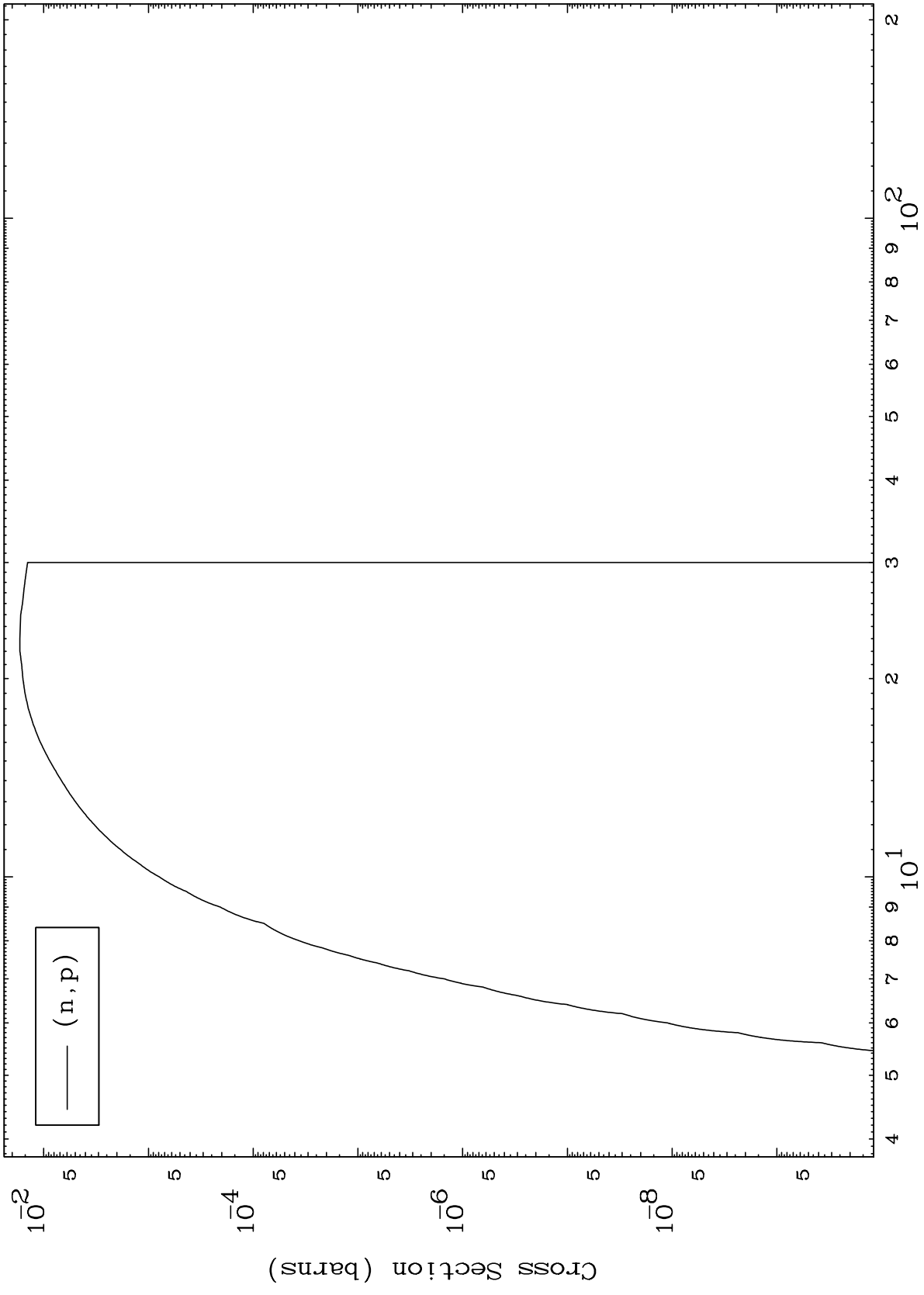
Incident Energy (MeV)

41-Nb-102

MAT 4152

(n,p) Levels  
293 Kelvin Cross Sections

41-Nb-102



10

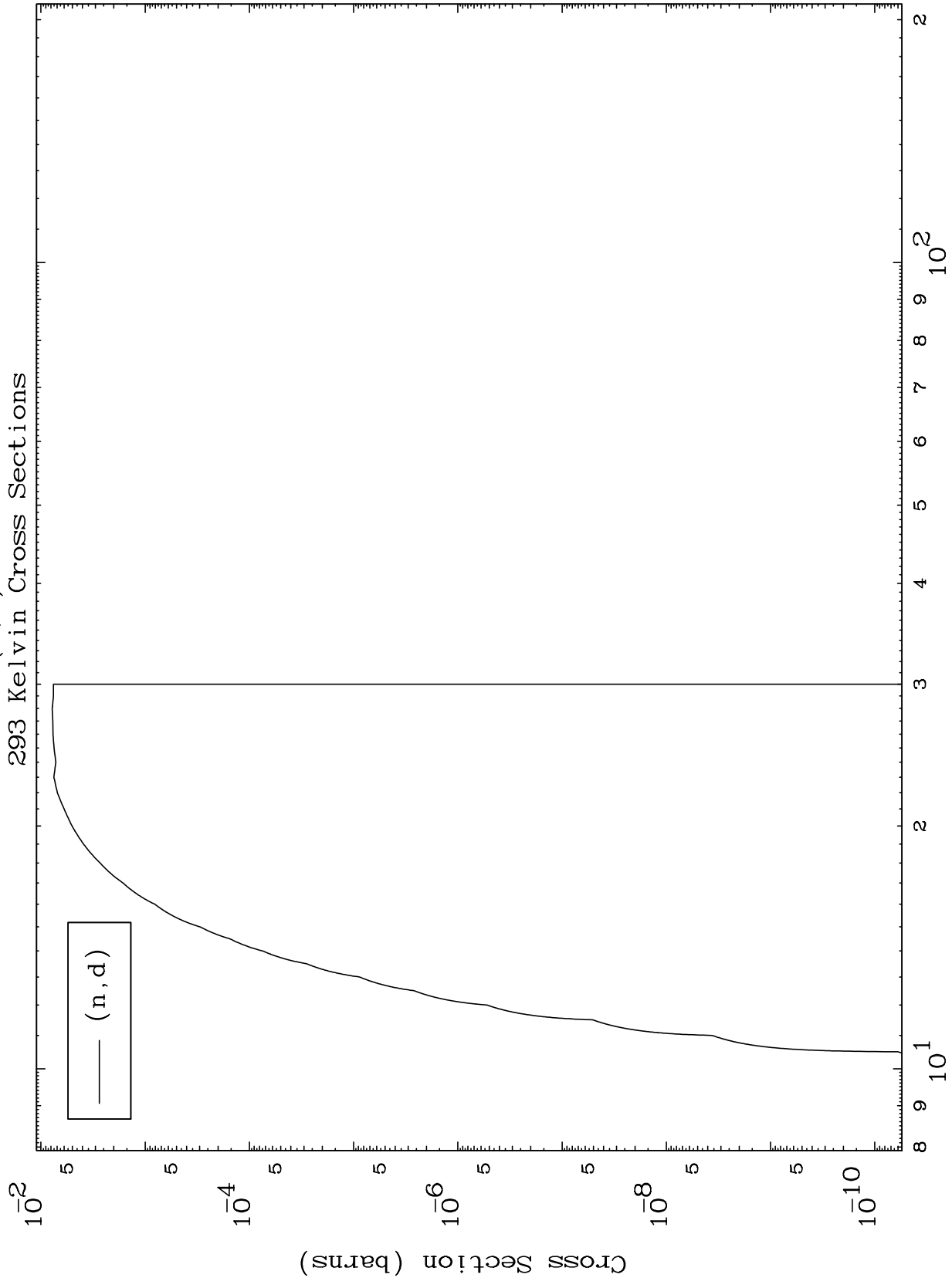
Incident Energy (MeV)

41-Nb-102

MAT 4152

(n,d) Levels  
293 Kelvin Cross Sections

41-Nb-102



11

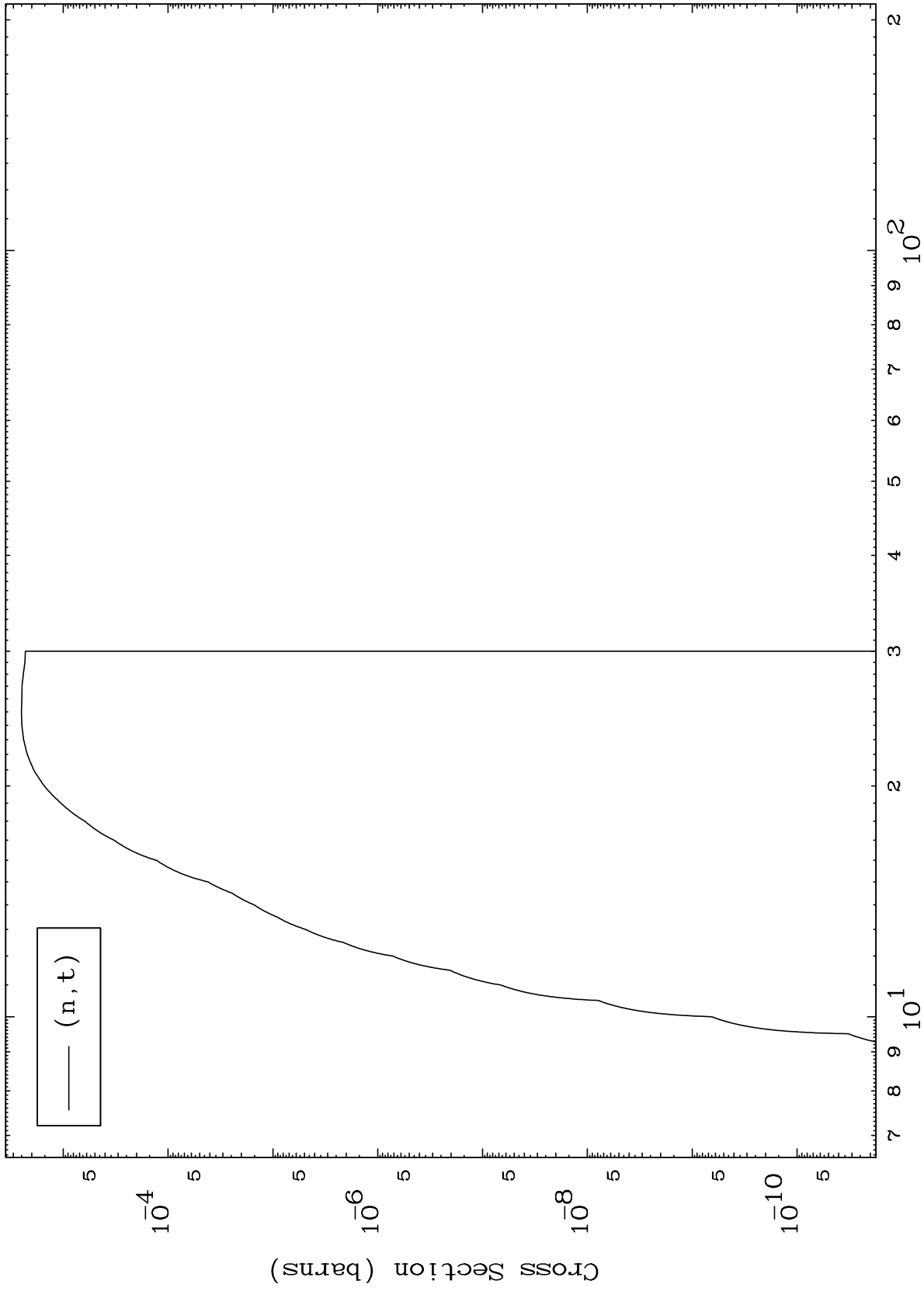
Incident Energy (MeV)

41-Nb-102

MAT 4152

(n,t) Levels  
293 Kelvin Cross Sections

41-Nb-102



12

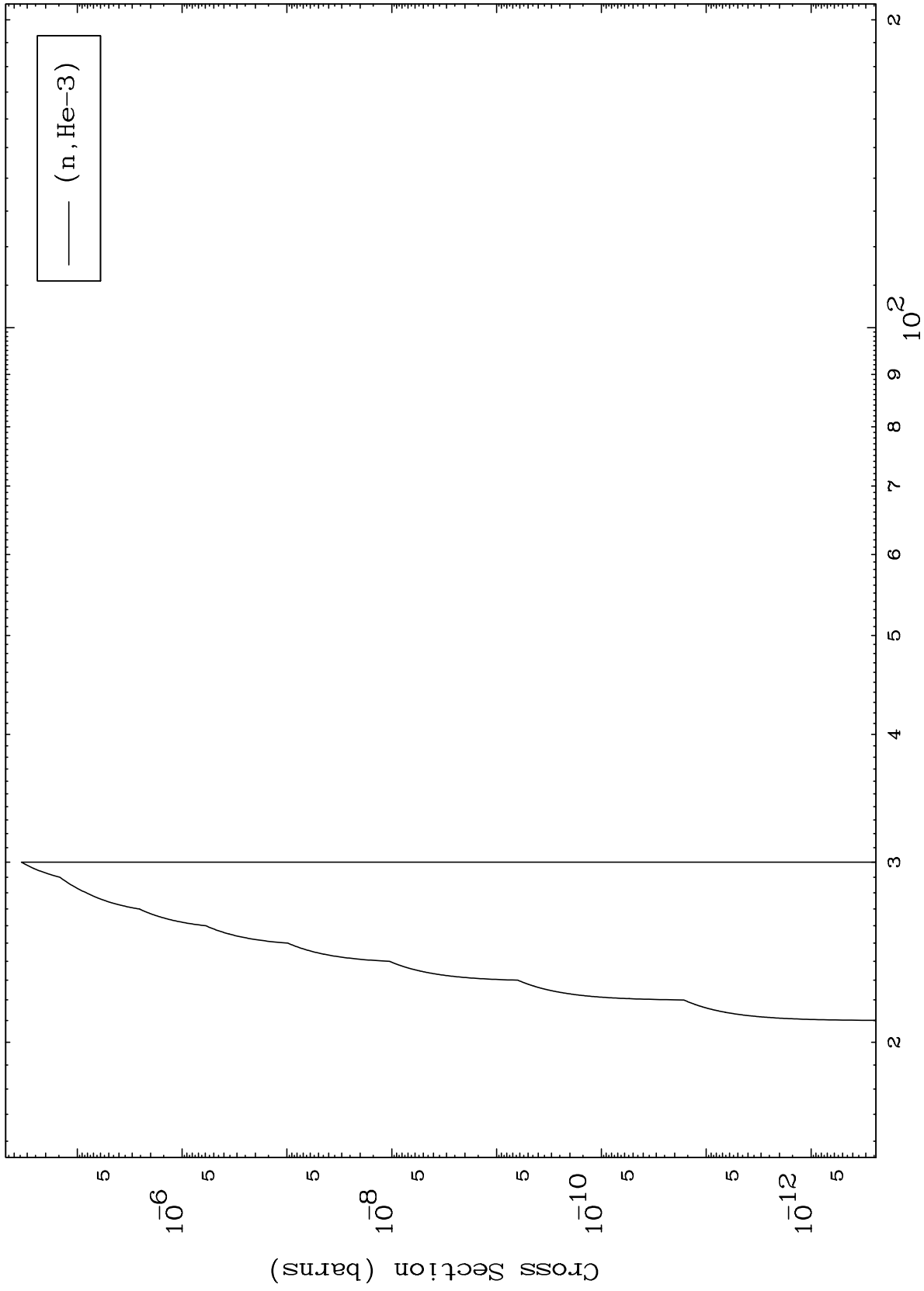
Incident Energy (MeV)

41-Nb-102

MAT 4152

(n,He3) Levels  
293 Kelvin Cross Sections

41-Nb-102



13

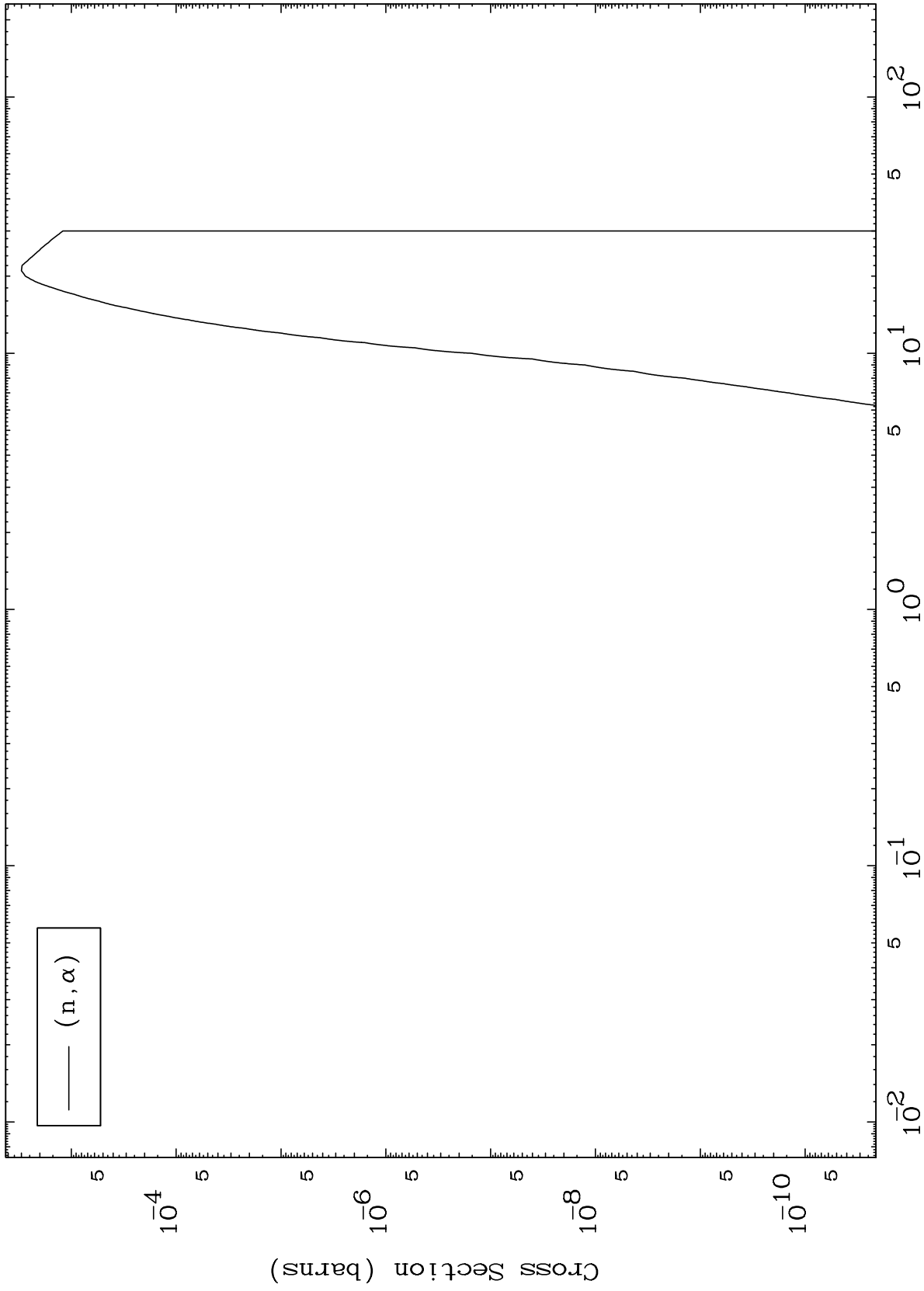
Incident Energy (MeV)

41-Nb-102

MAT 4152

(n,α) Levels  
293 Kelvin Cross Sections

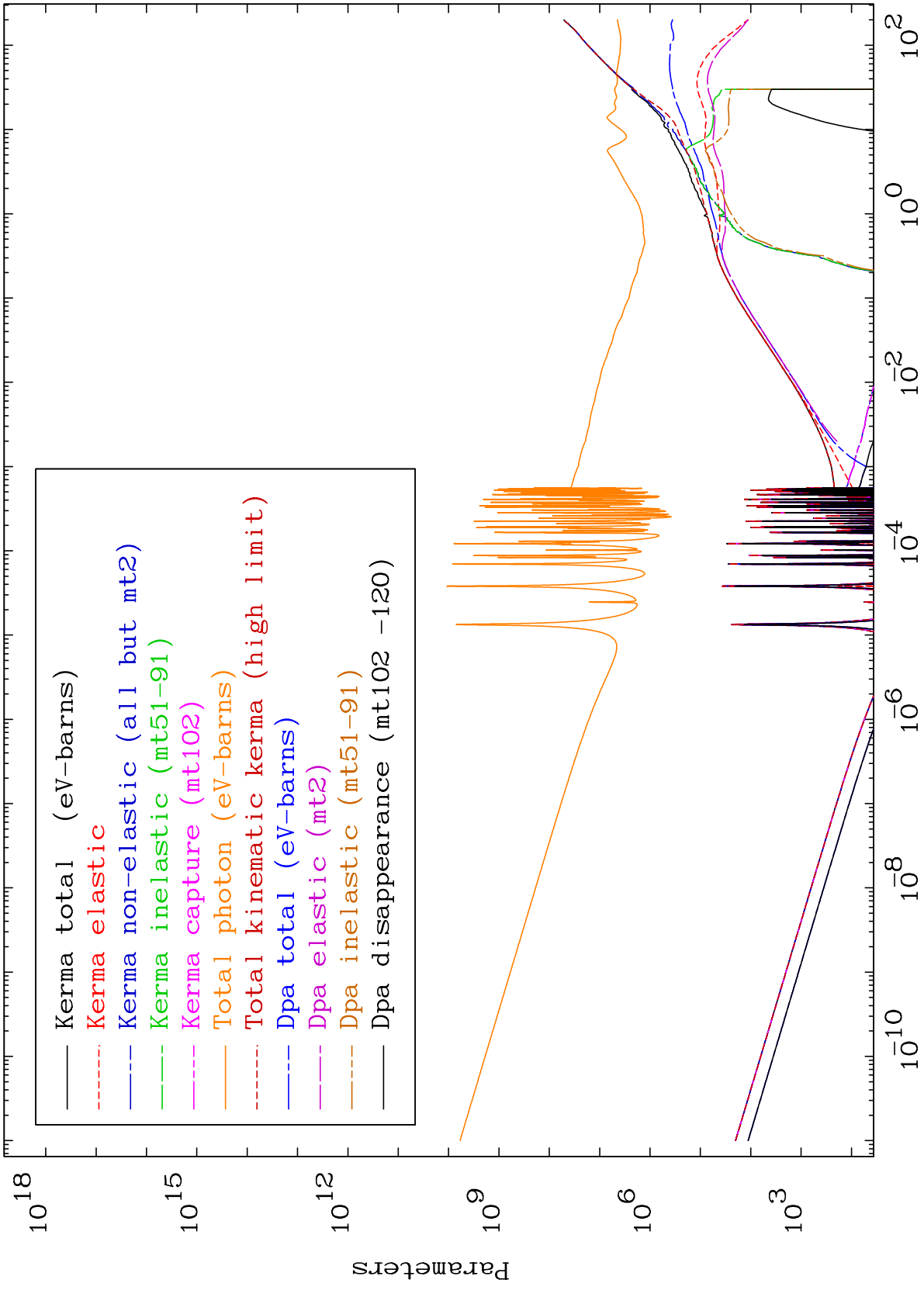
41-Nb-102



14

Incident Energy (MeV)

41-Nb-102

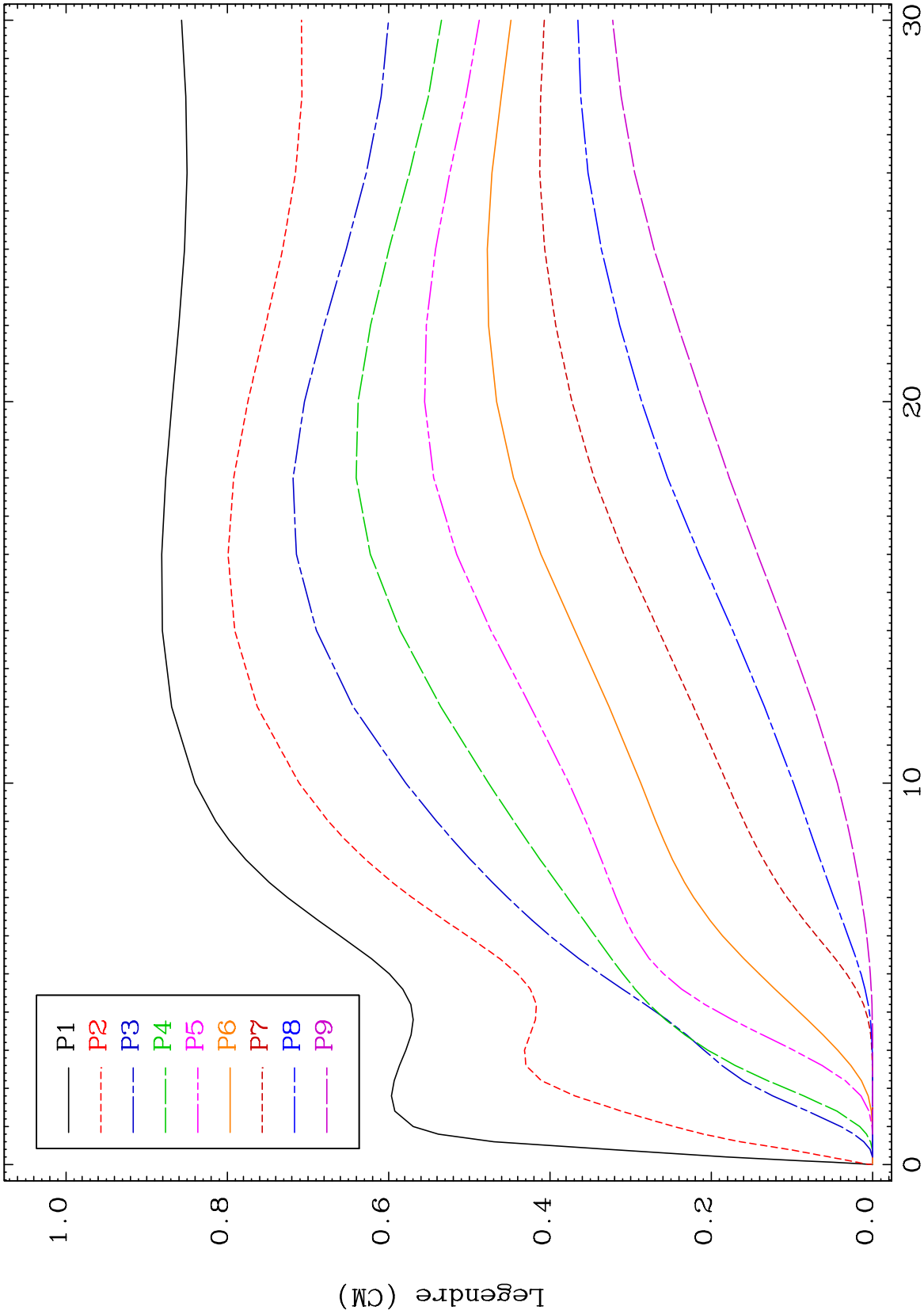




MAT 4152

Elastic Legendre Coefficients

41-Nb-102



16

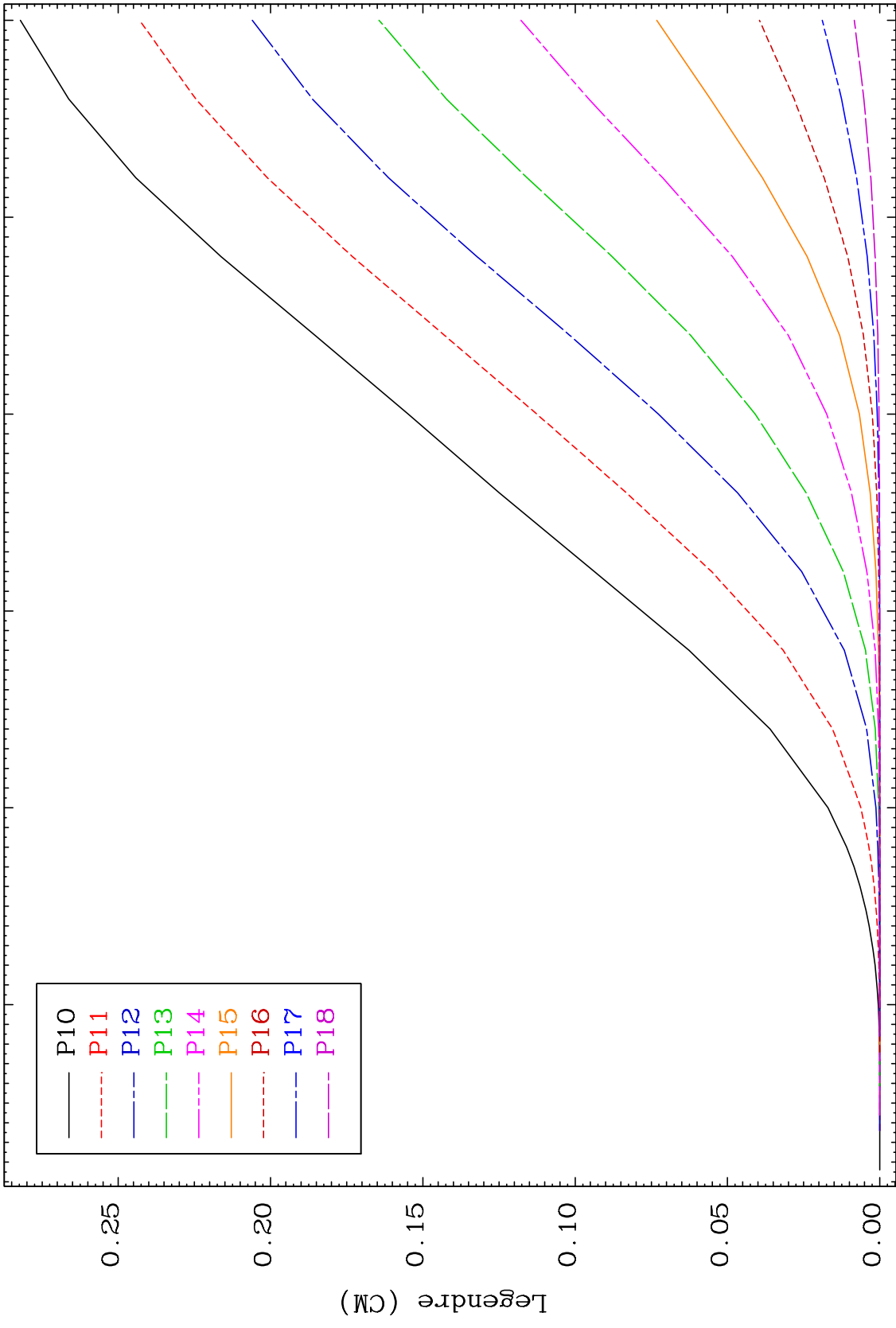
Incident Energy (MeV)

41-Nb-102

MAT 4152

Elastic Legendre Coefficients

41-Nb-102



17

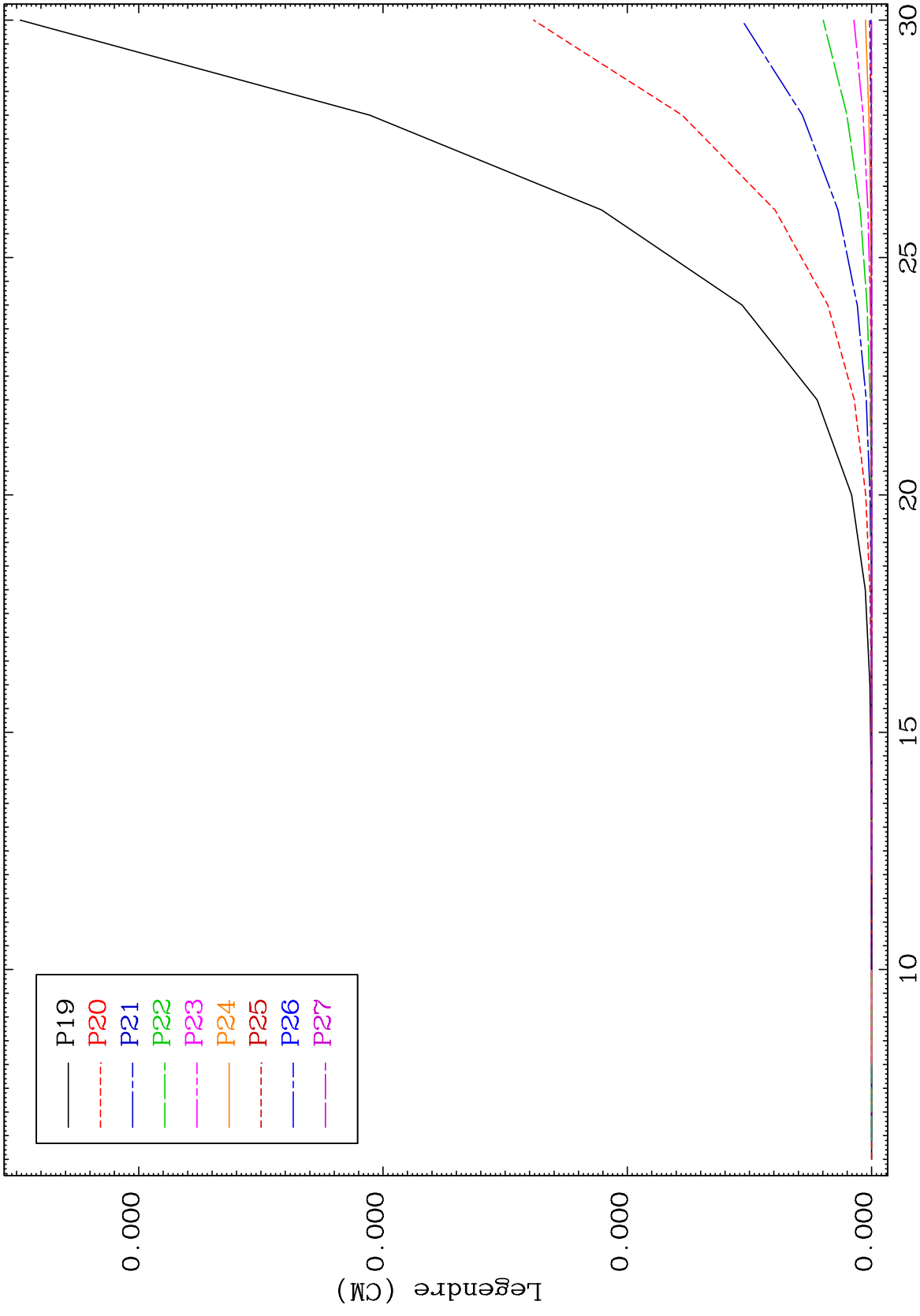
Incident Energy (MeV)

41-Nb-102

MAT 4152

### Elastic Legendre Coefficients

41-Nb-102



18

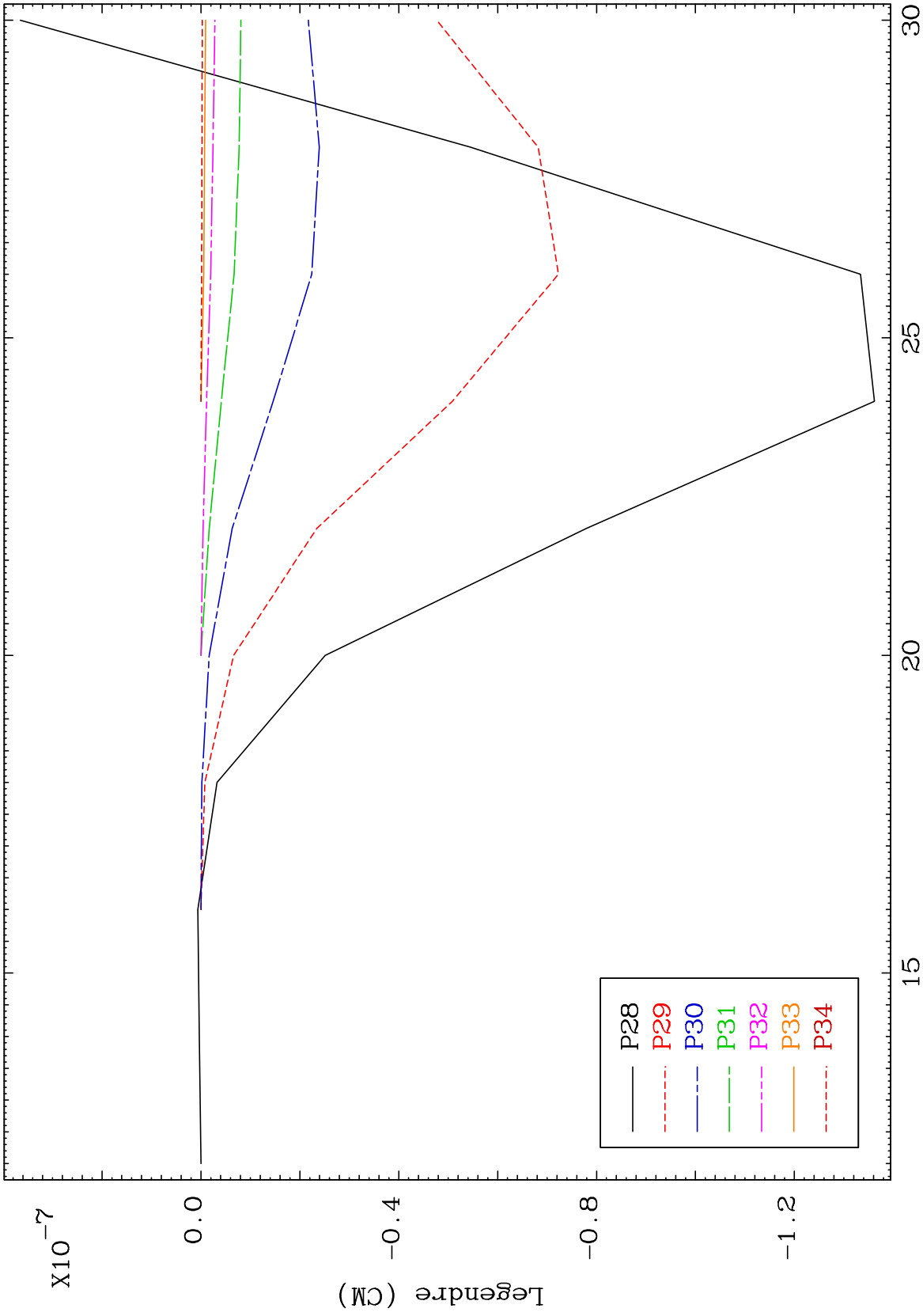
Incident Energy (MeV)

41-Nb-102

MAT 4152

Elastic Legendre Coefficients

41-Nb-102



19

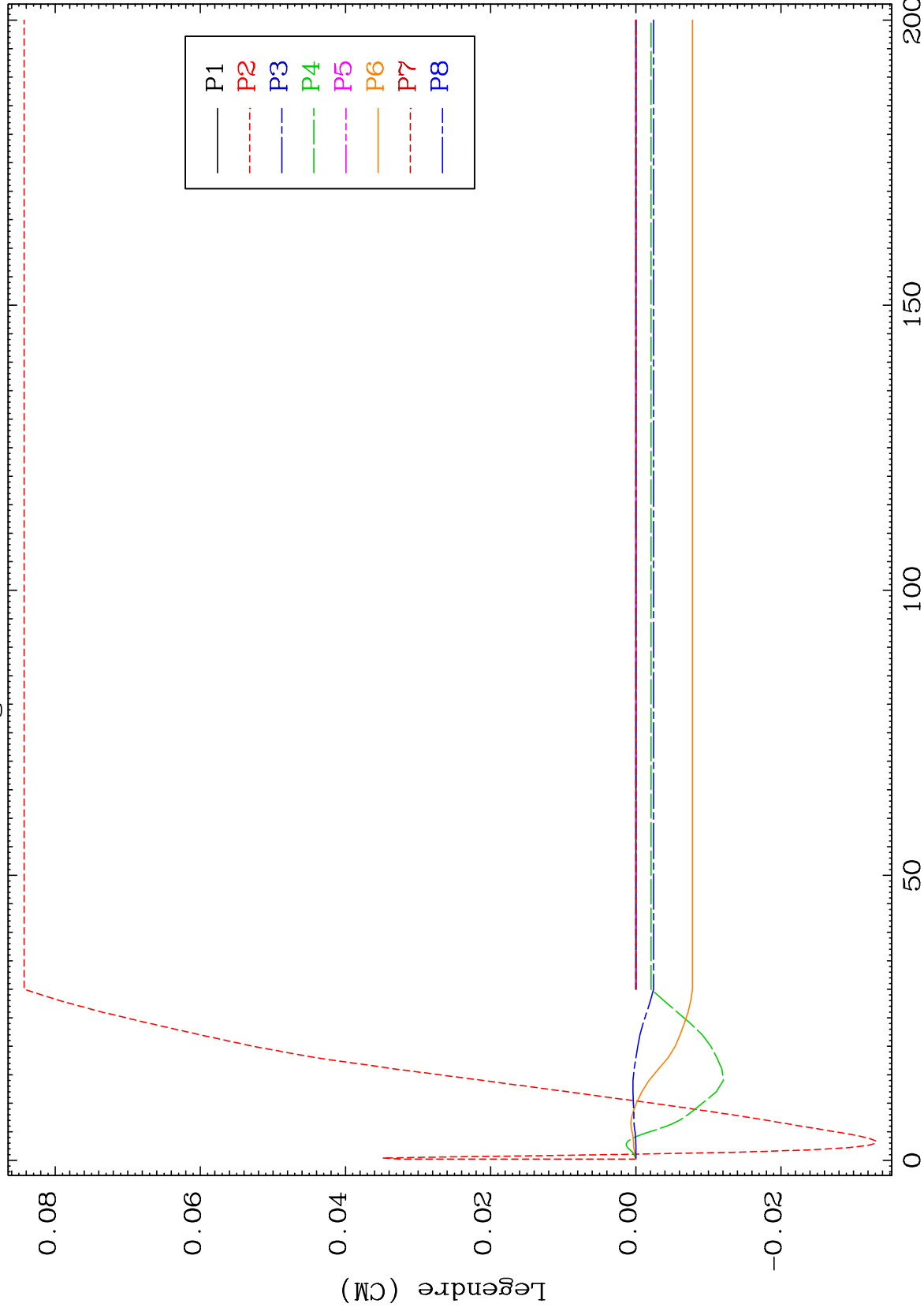
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



41-Nb-102

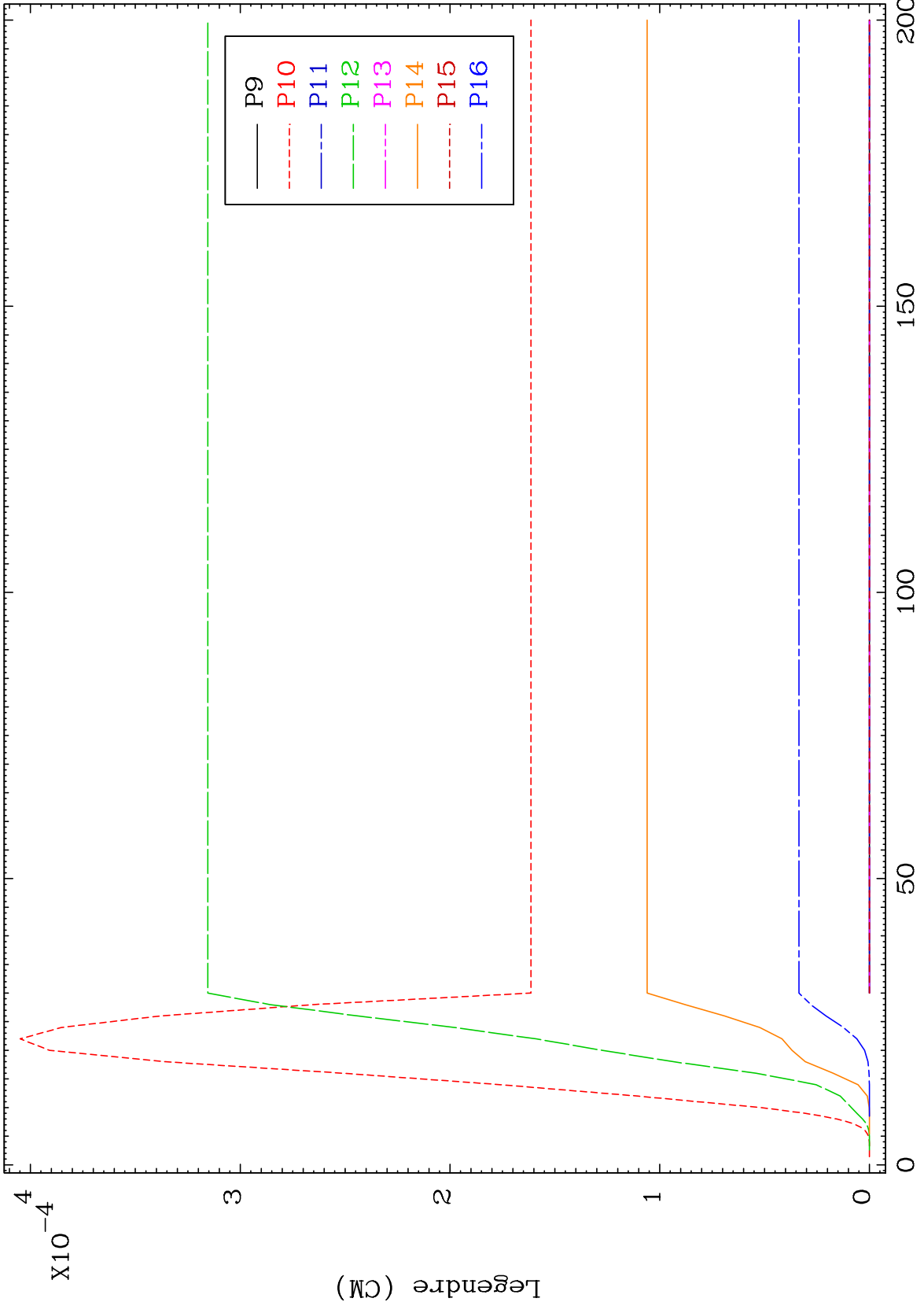
Incident Energy (MeV)

20

MAT 4152

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

41-Nb-102



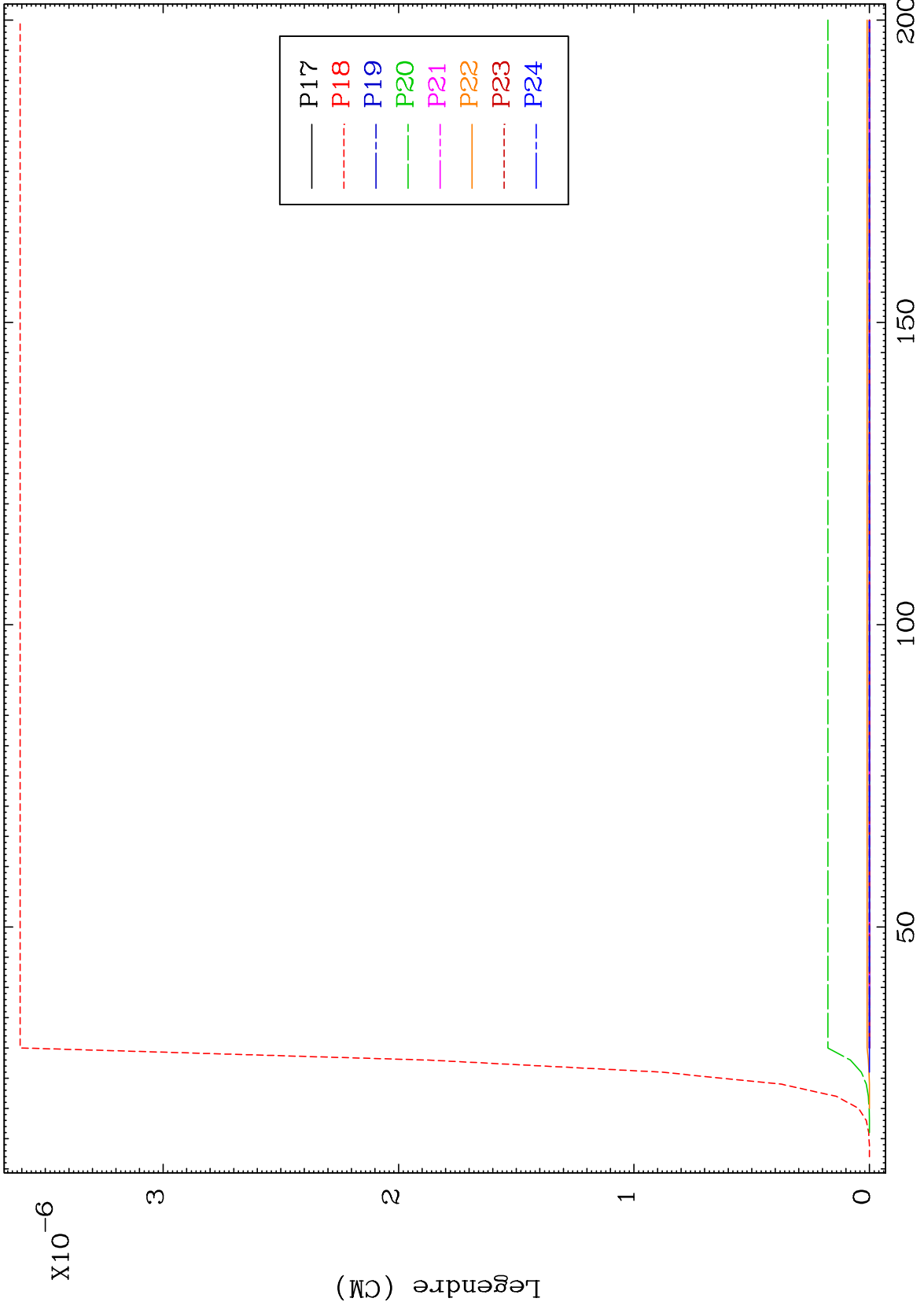
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41-Nb-102

MAT 4152

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

41-Nb-102



22

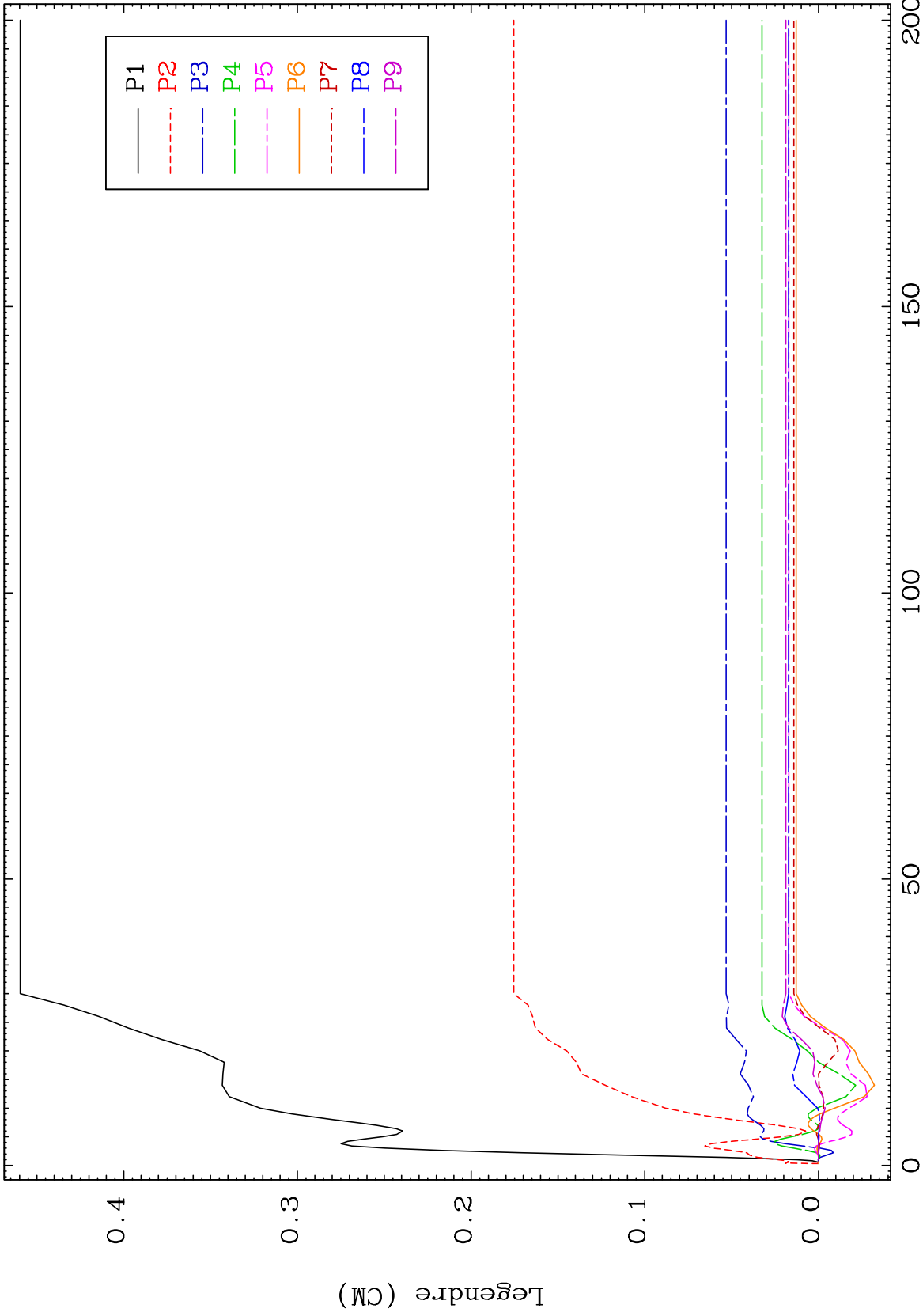
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



23

Incident Energy (MeV)

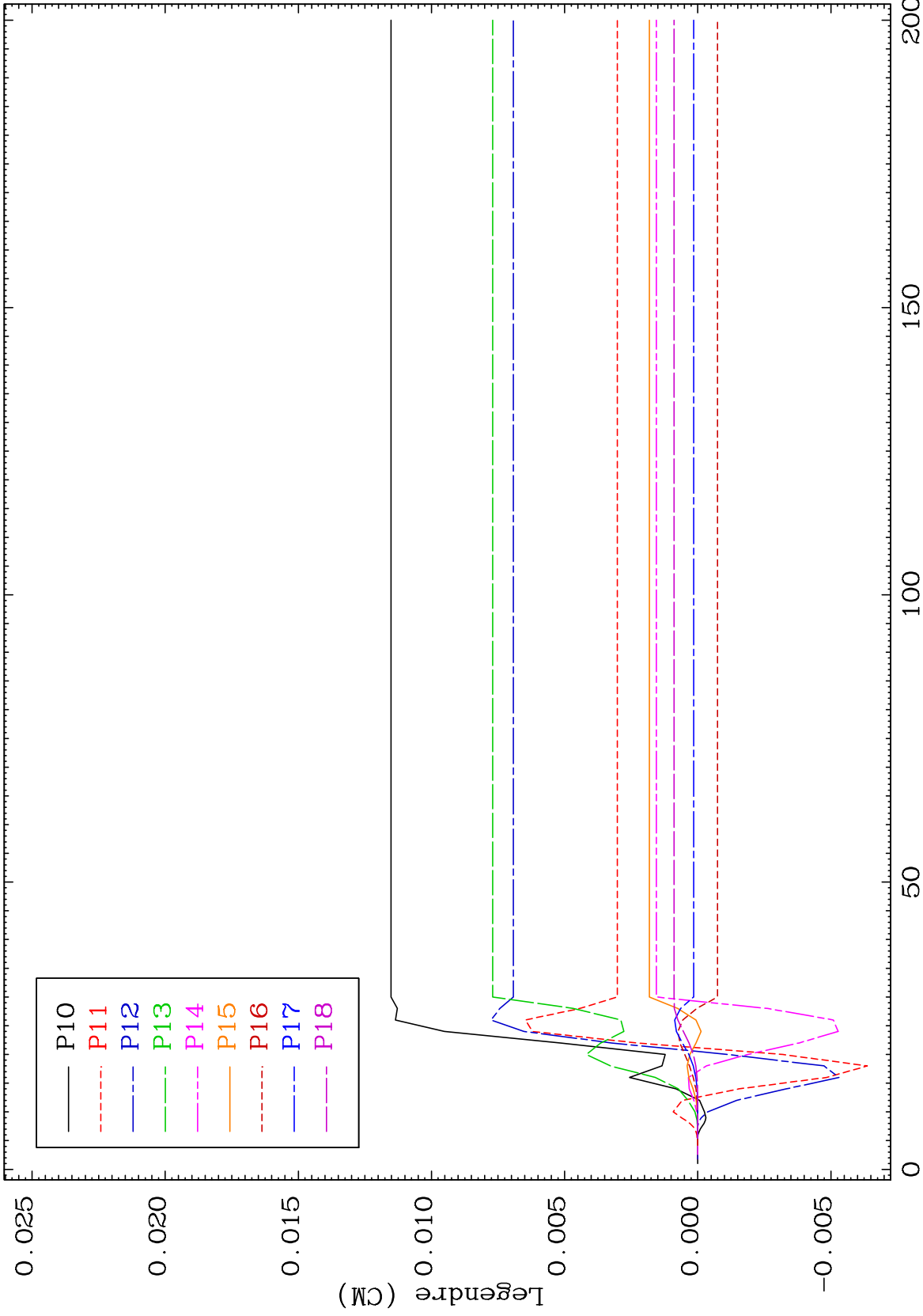
41-Nb-102



MAT 4152

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

41-Nb-102



24

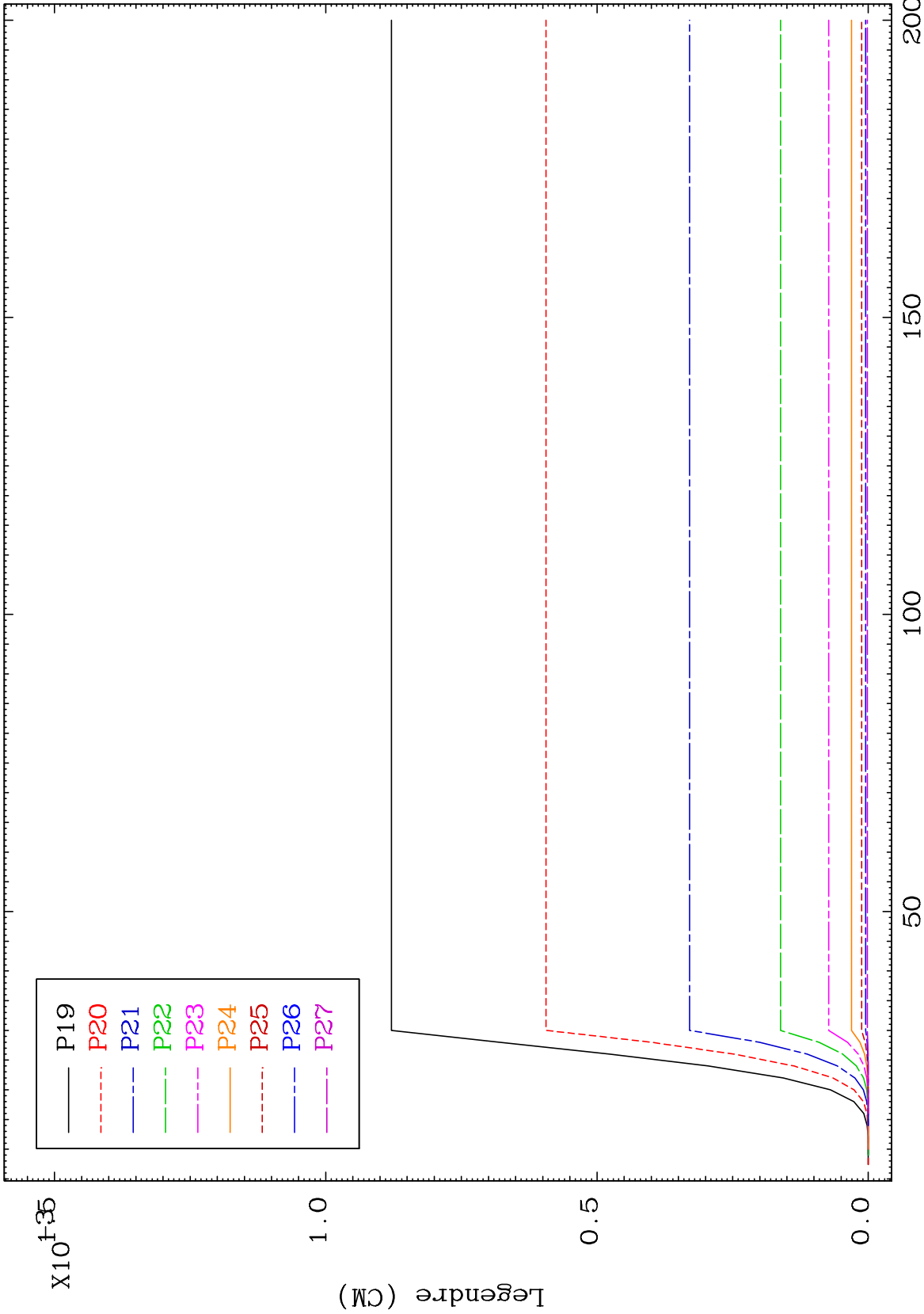
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



25

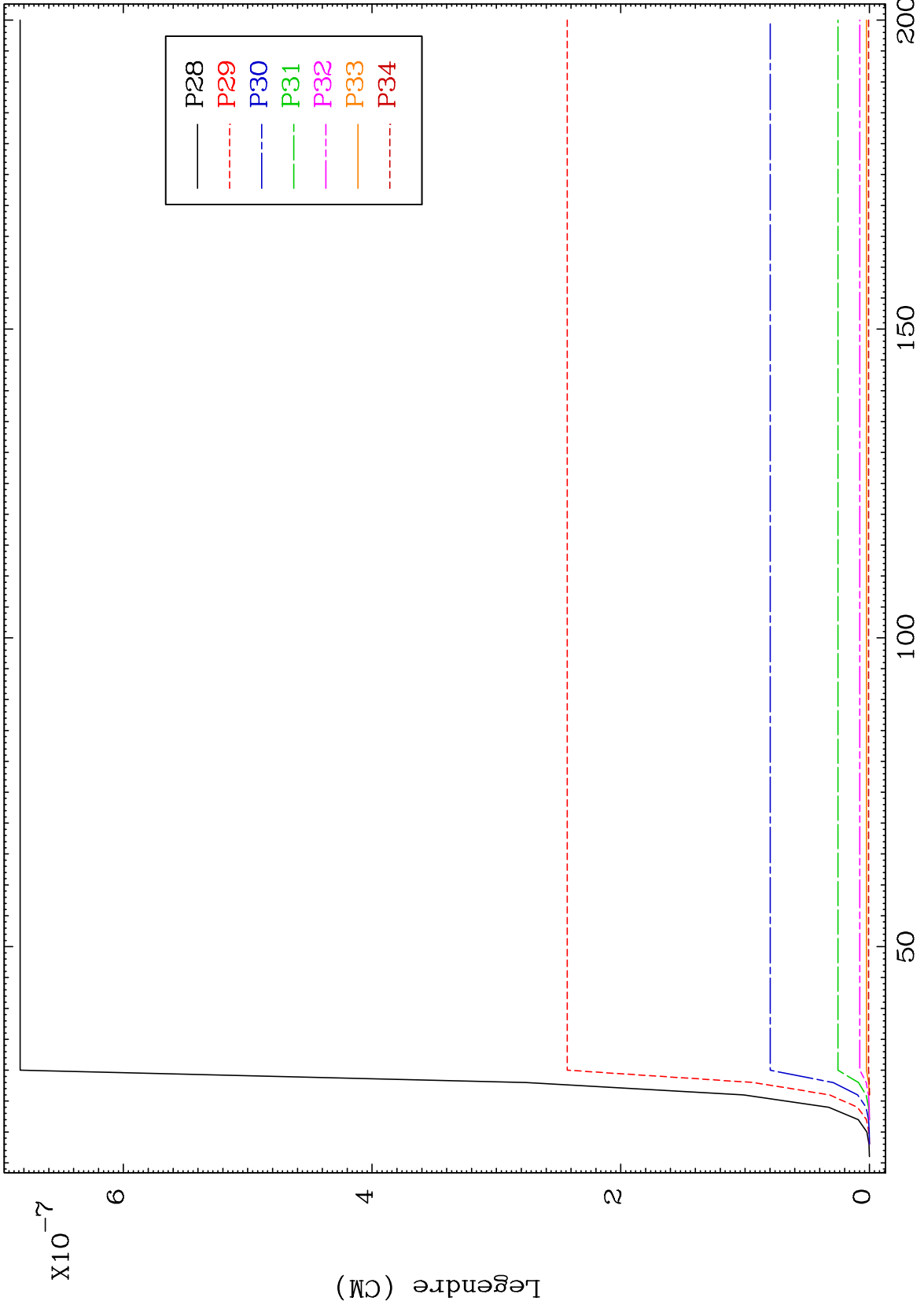
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



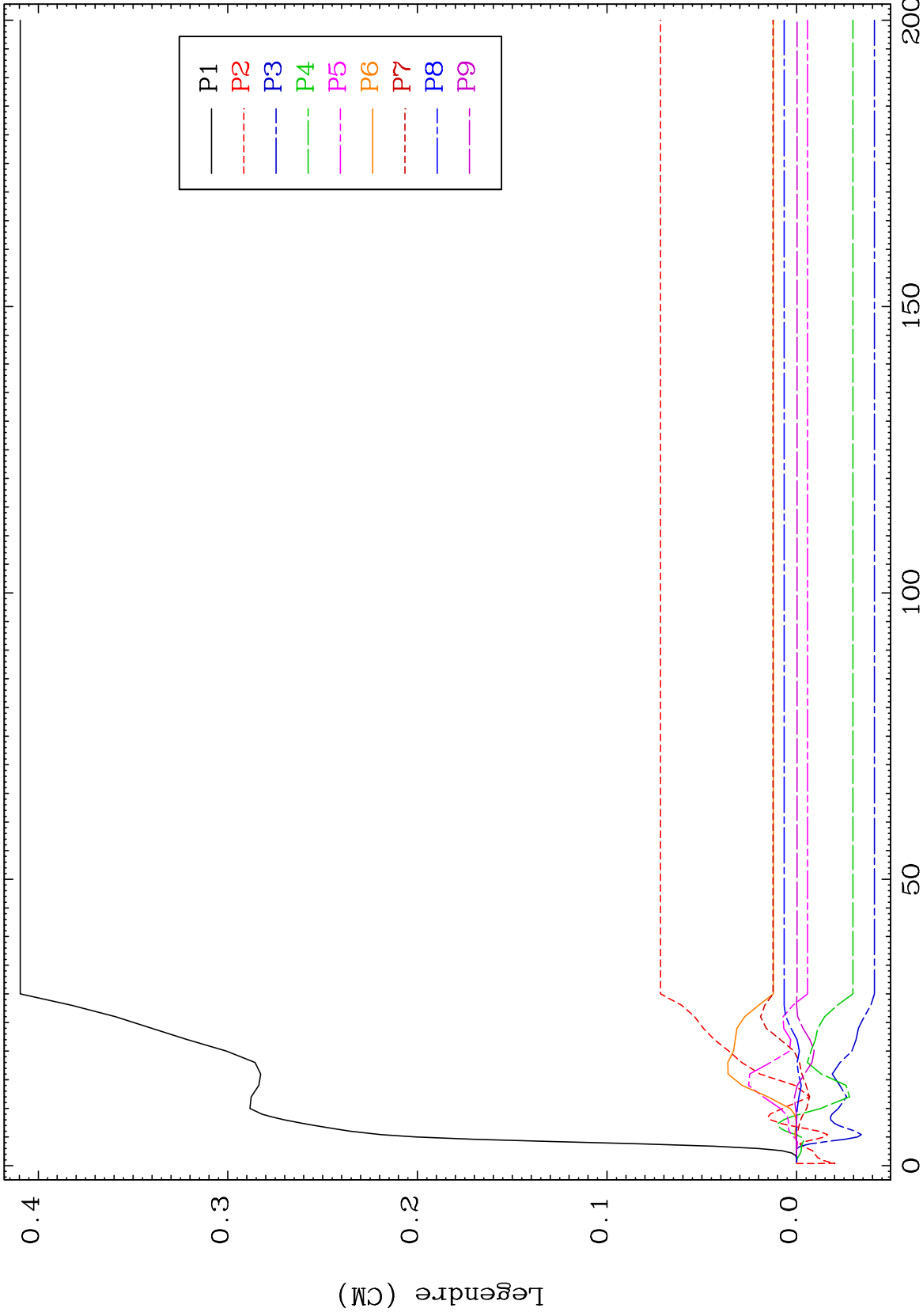
26

41-Nb-102

MAT 4152

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

41-Nb-102



27

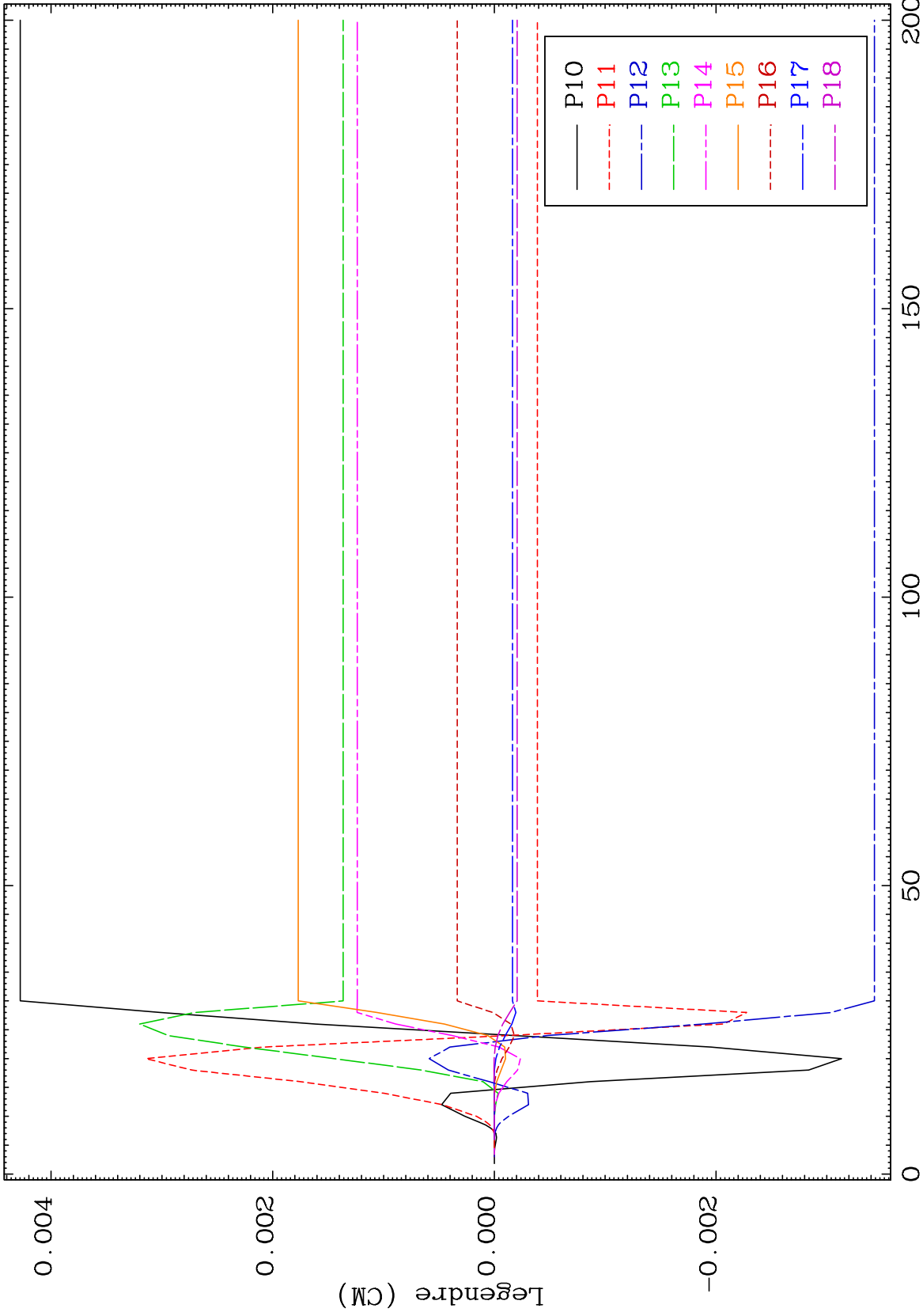
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



28

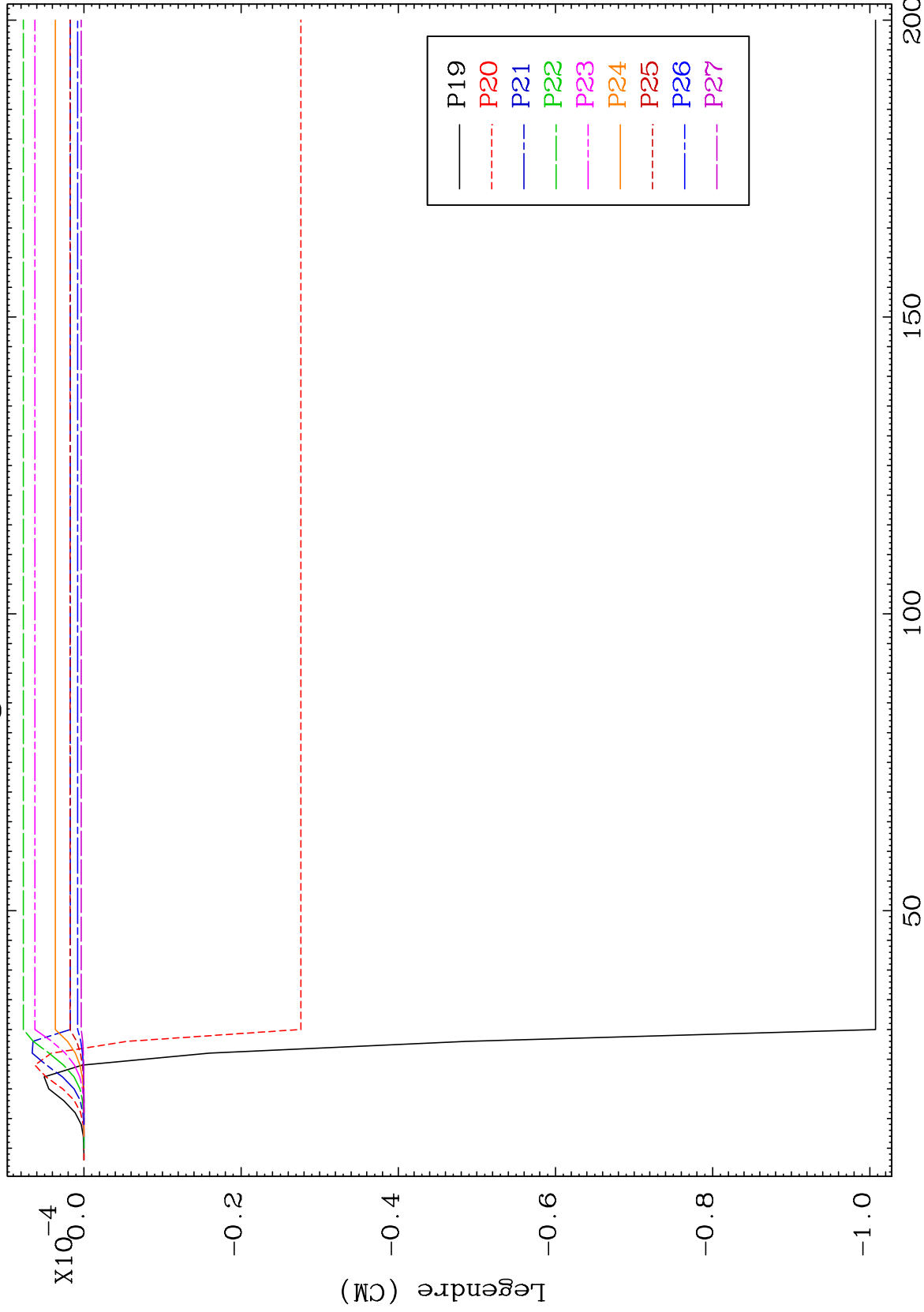
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



29

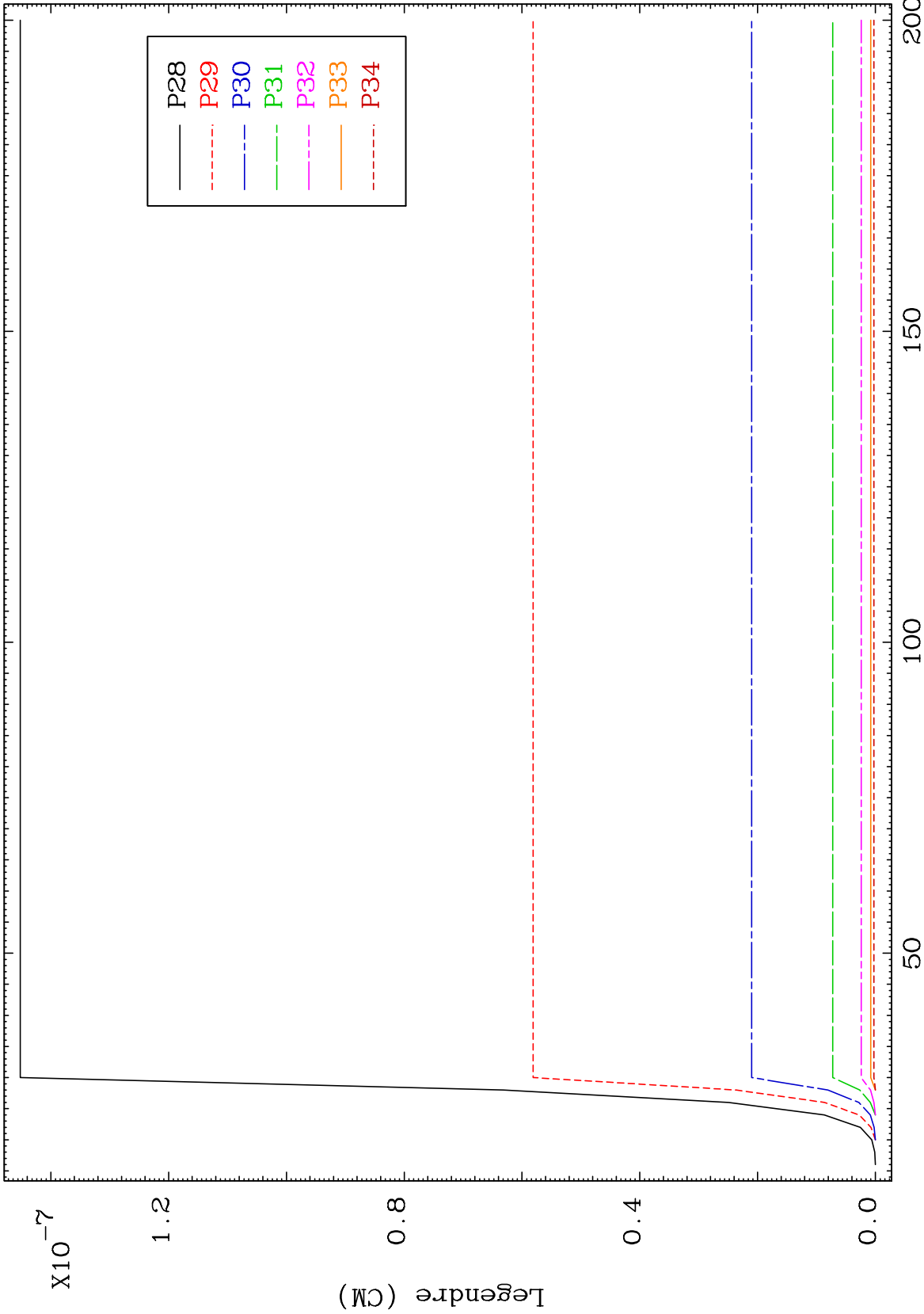
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



30

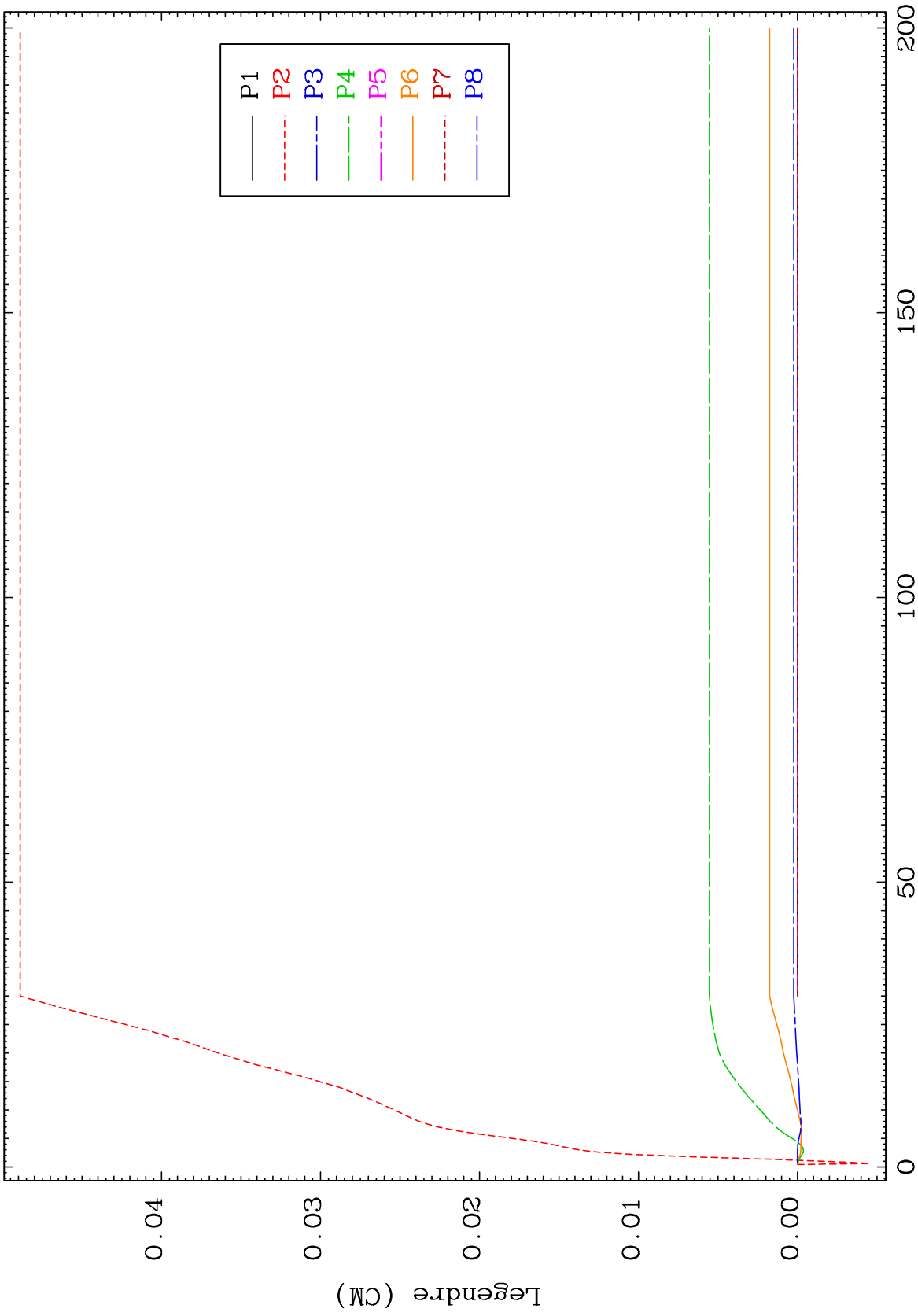
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



31

Incident Energy (MeV)

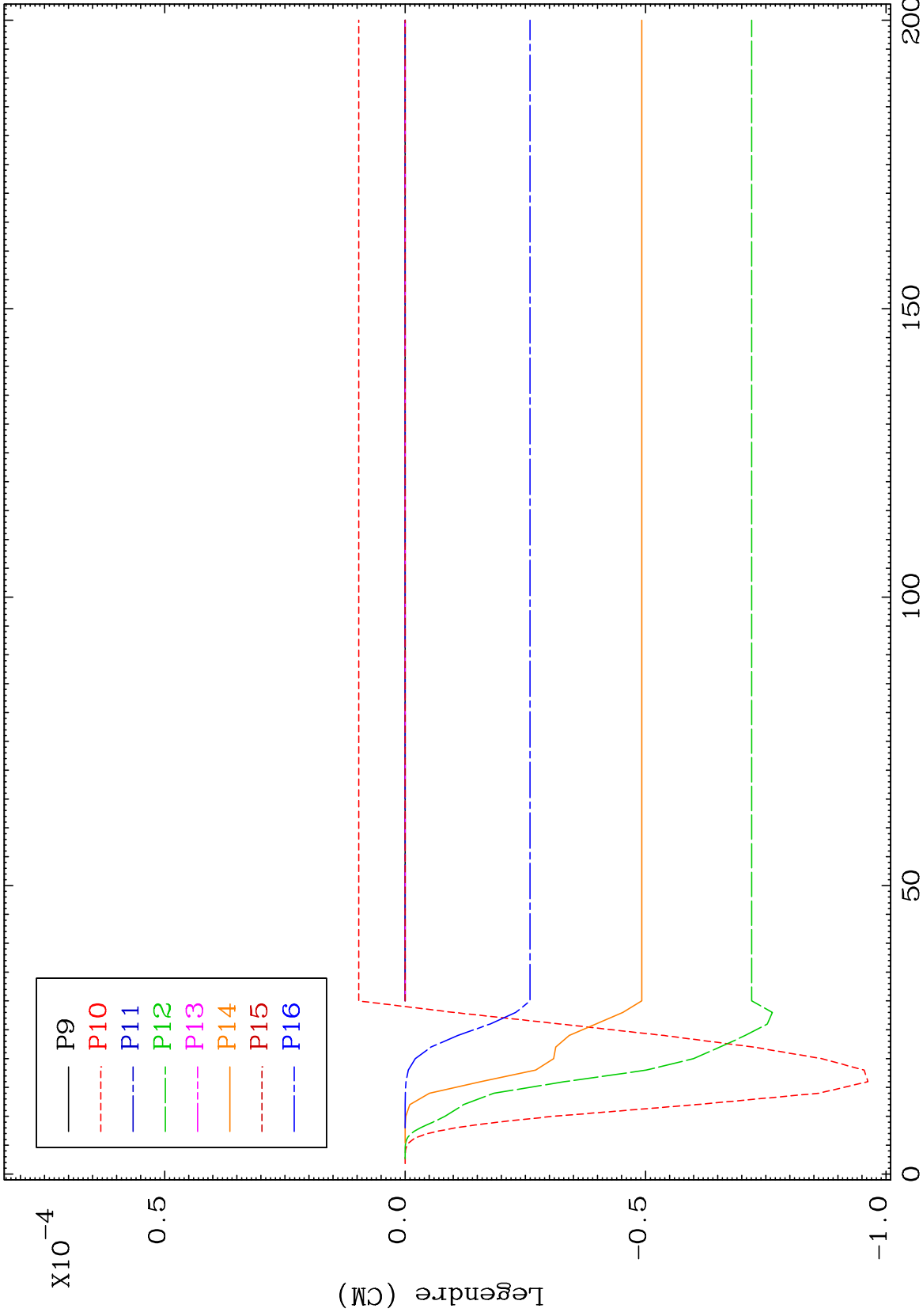
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MAT 4152

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

41-Nb-102



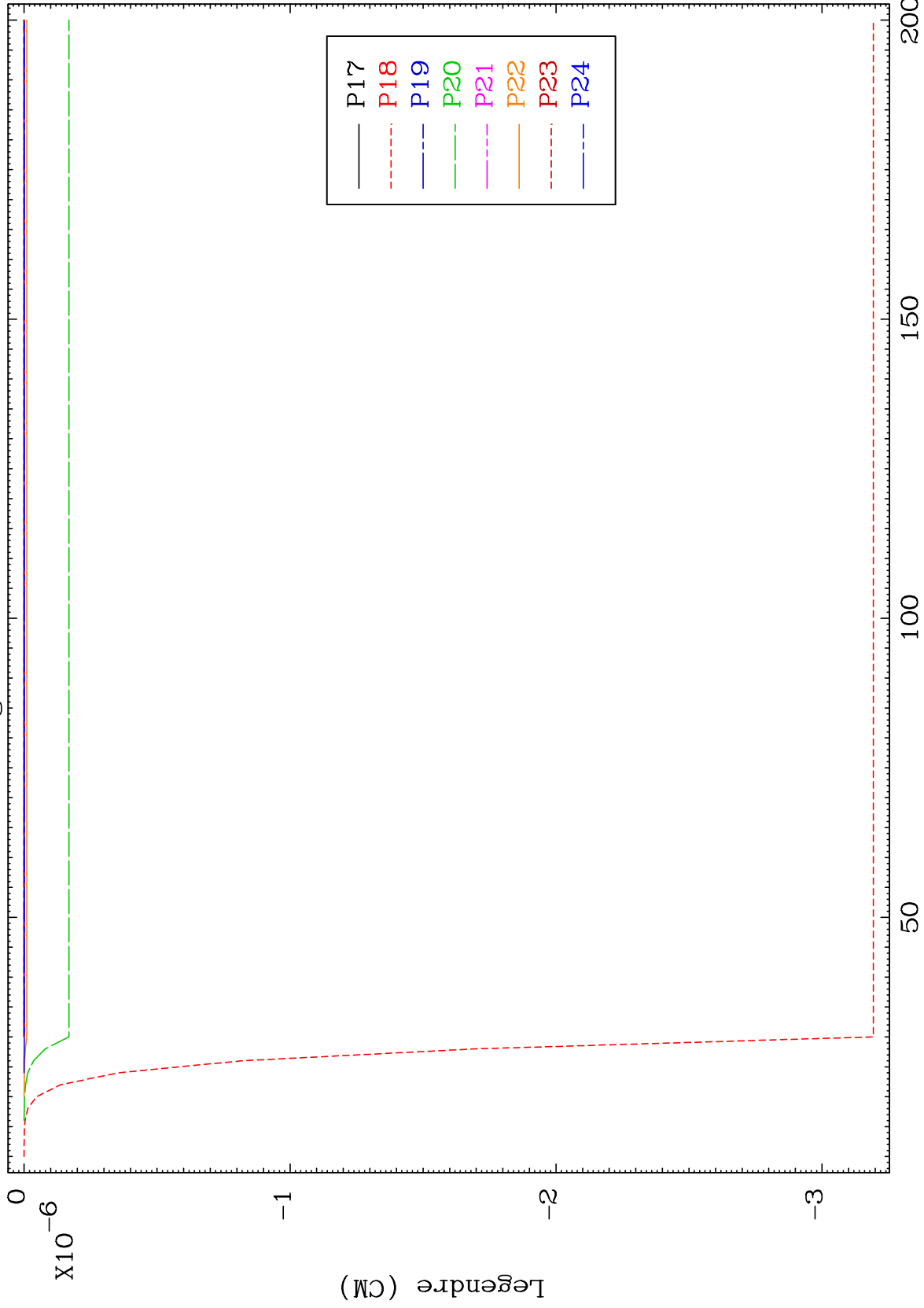
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41-Nb-102

MAT 4152

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

41-Nb-102

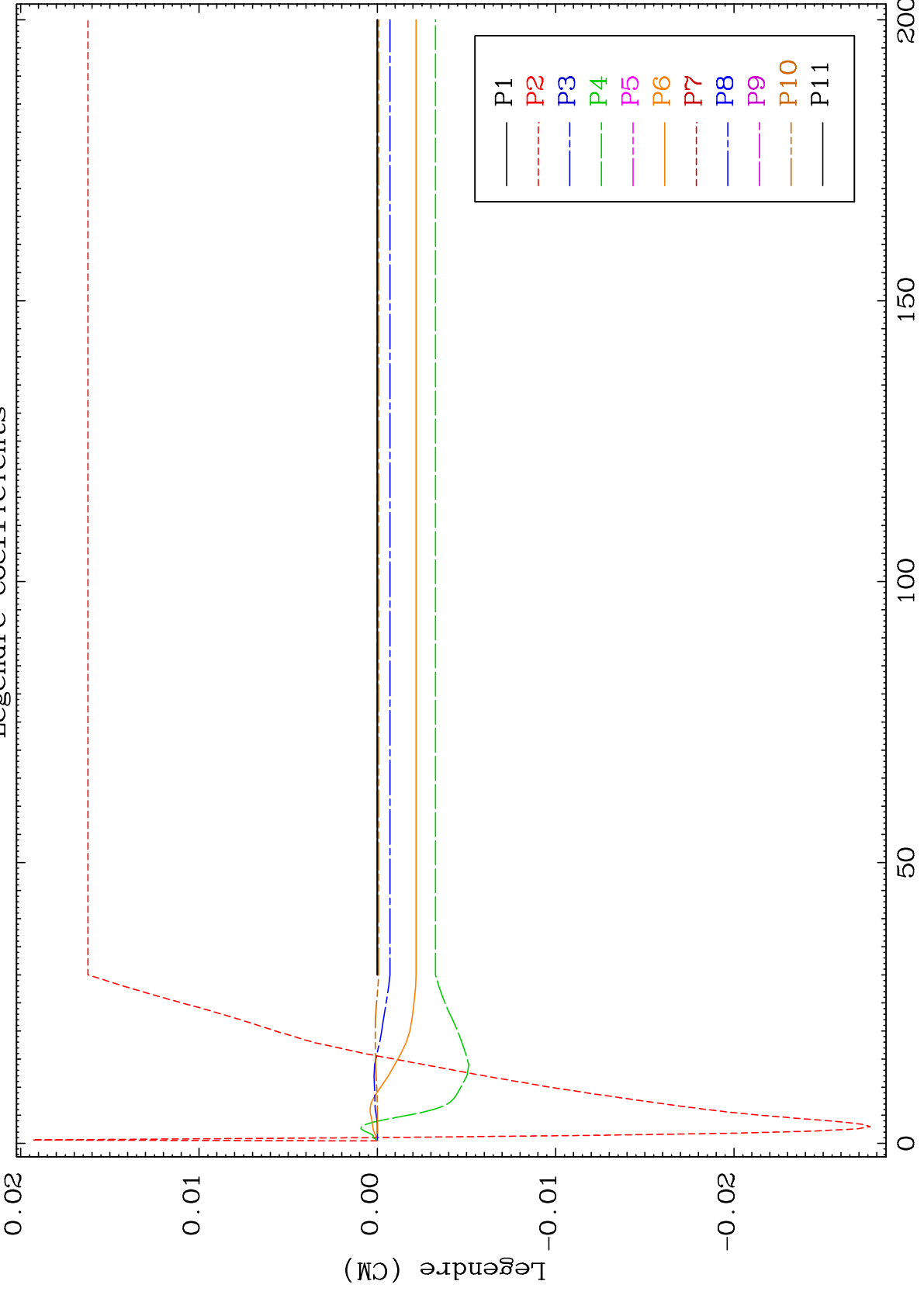


33

Incident Energy (MeV)

41-Nb-102

MAT 4152 MT= 55 (n,n') Level Legendre Coefficients 41-Nb-102

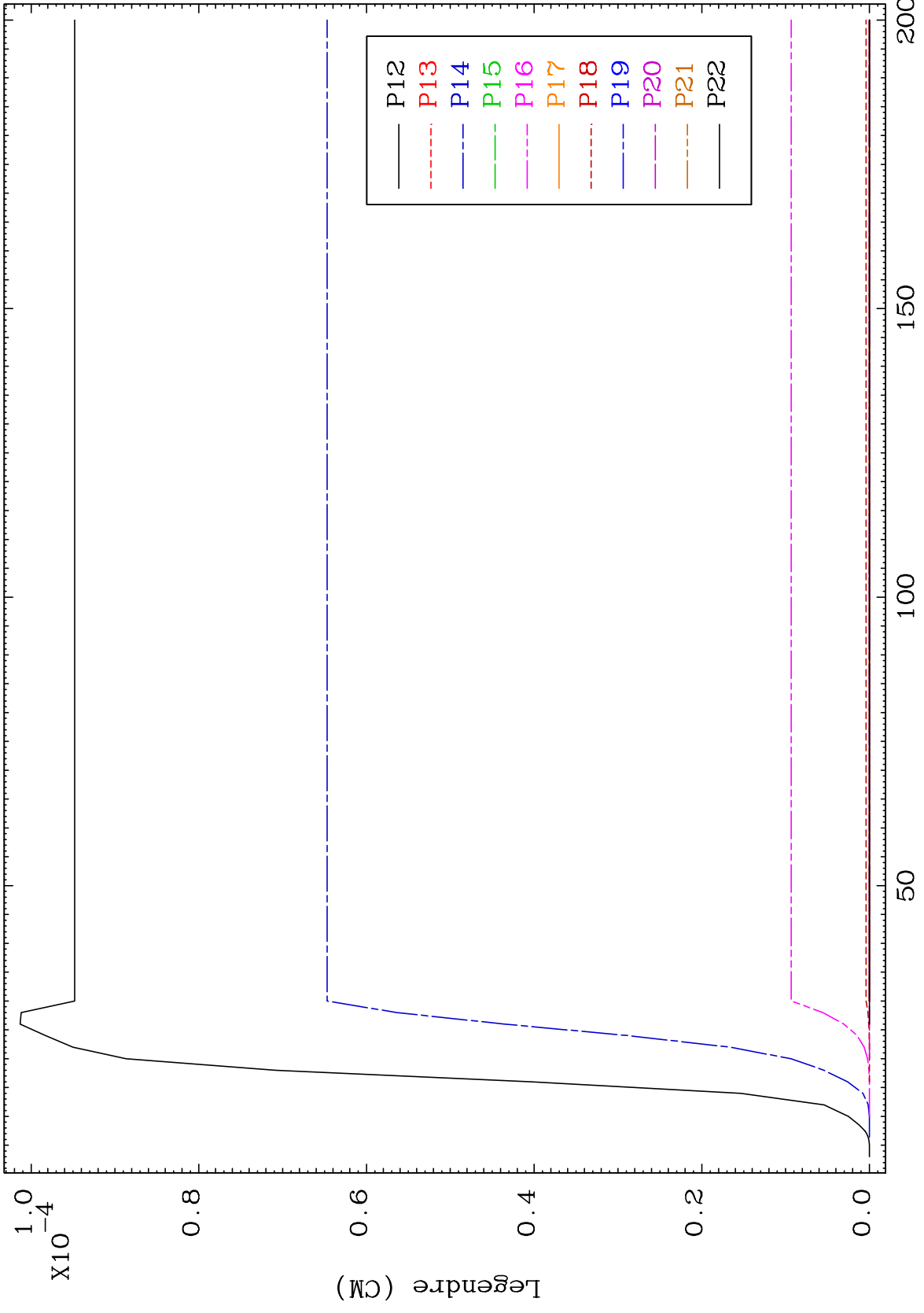


34 41-Nb-102

MAT 4152

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

41-Nb-102



35

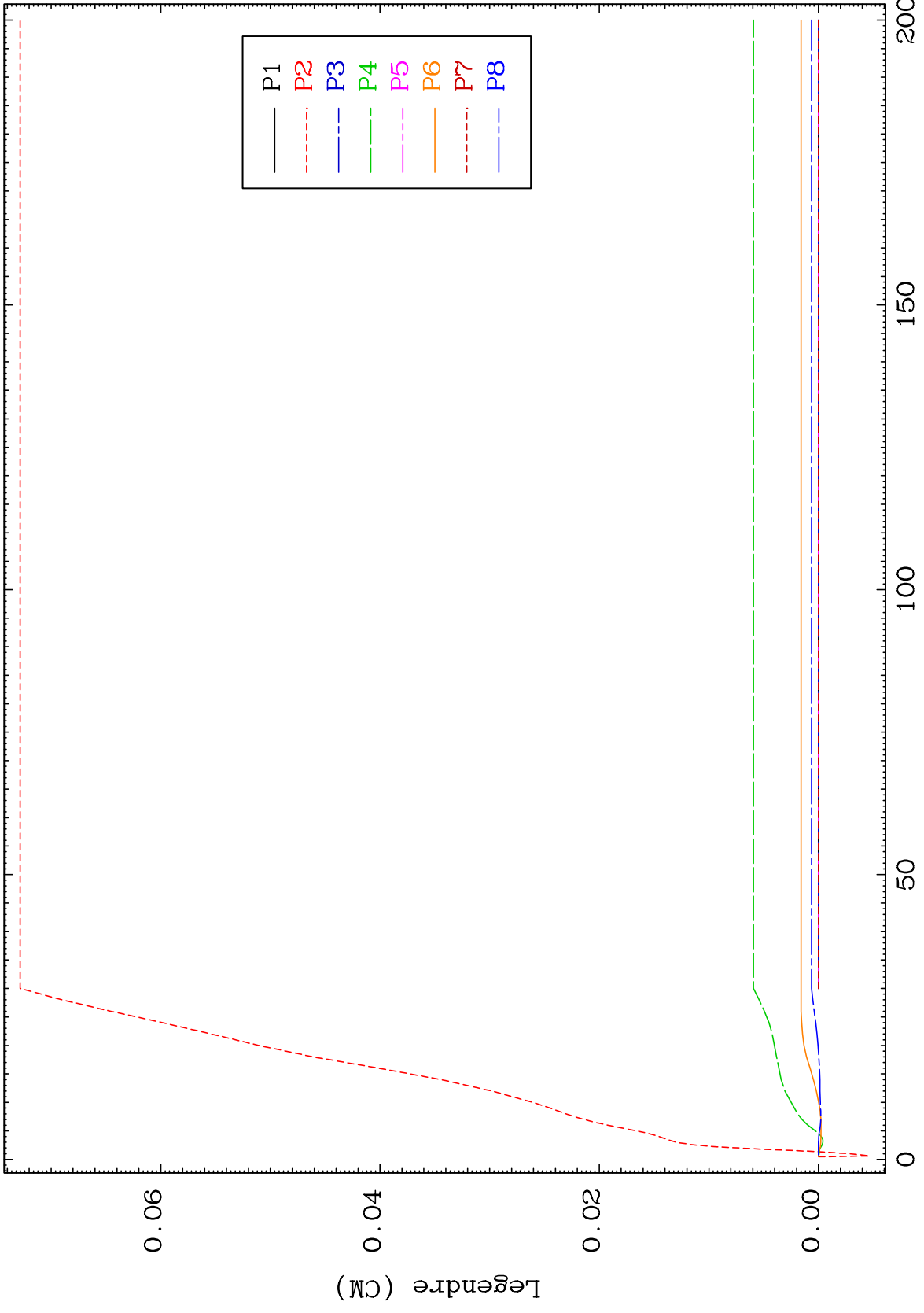
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



36

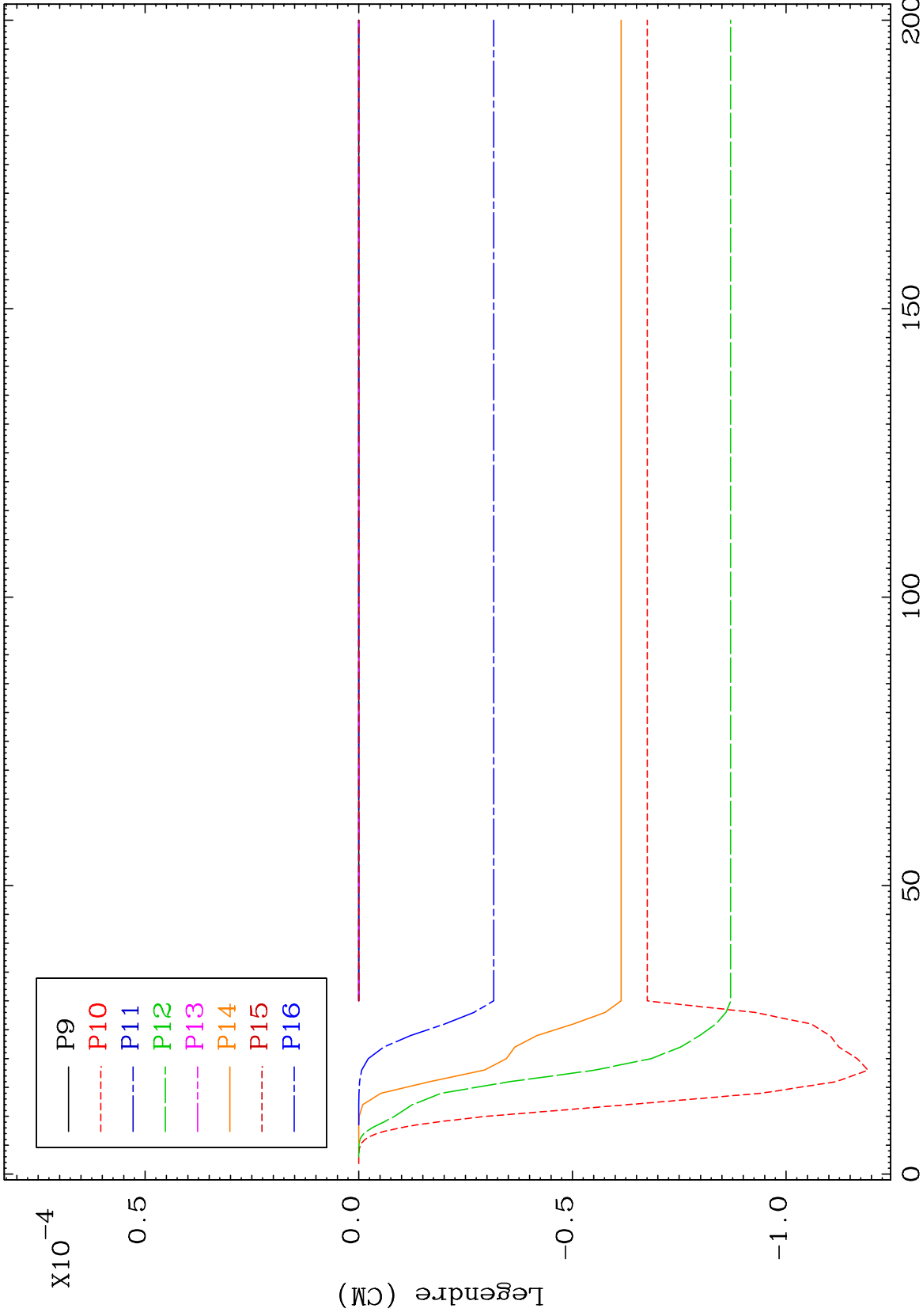
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



37

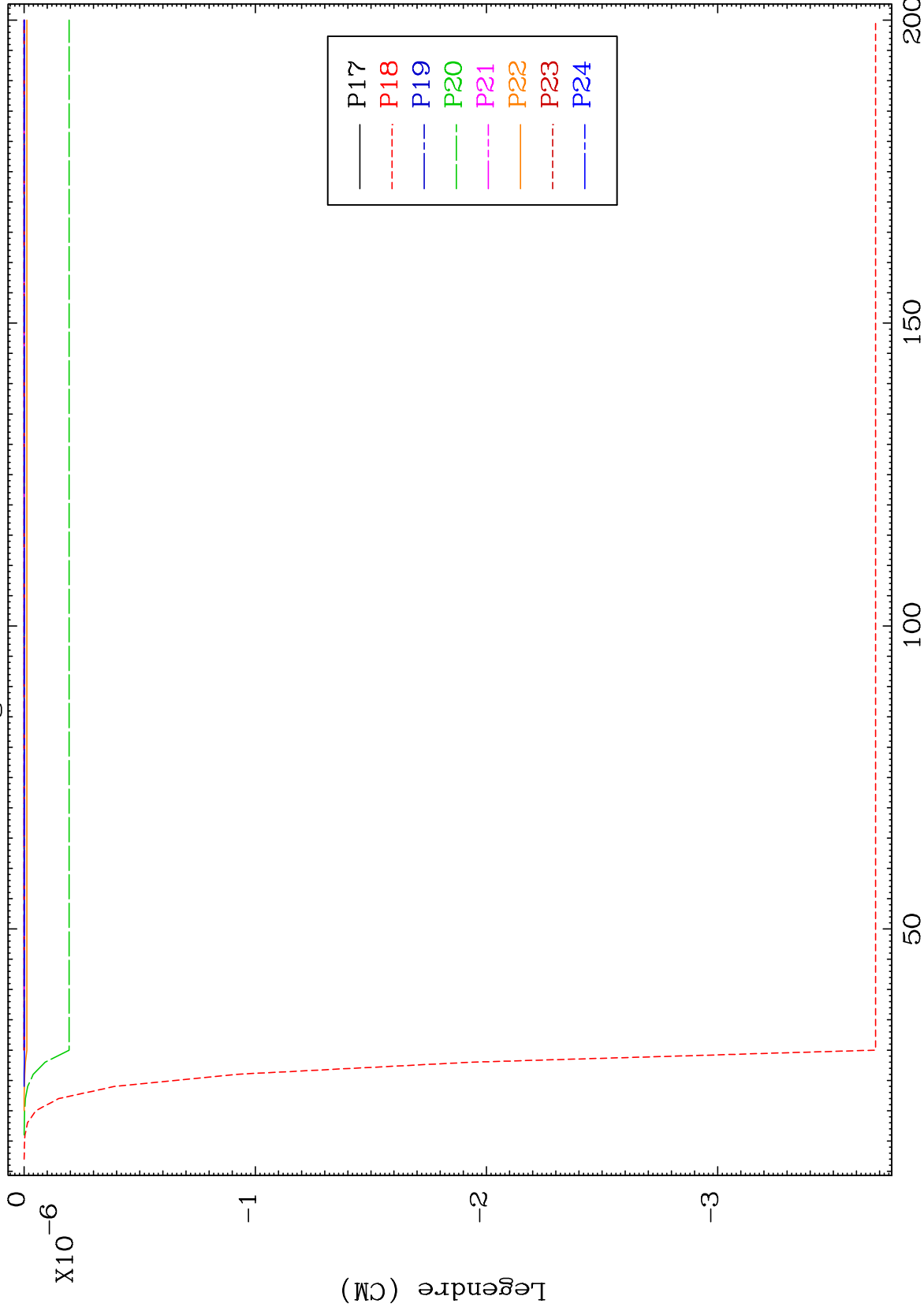
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



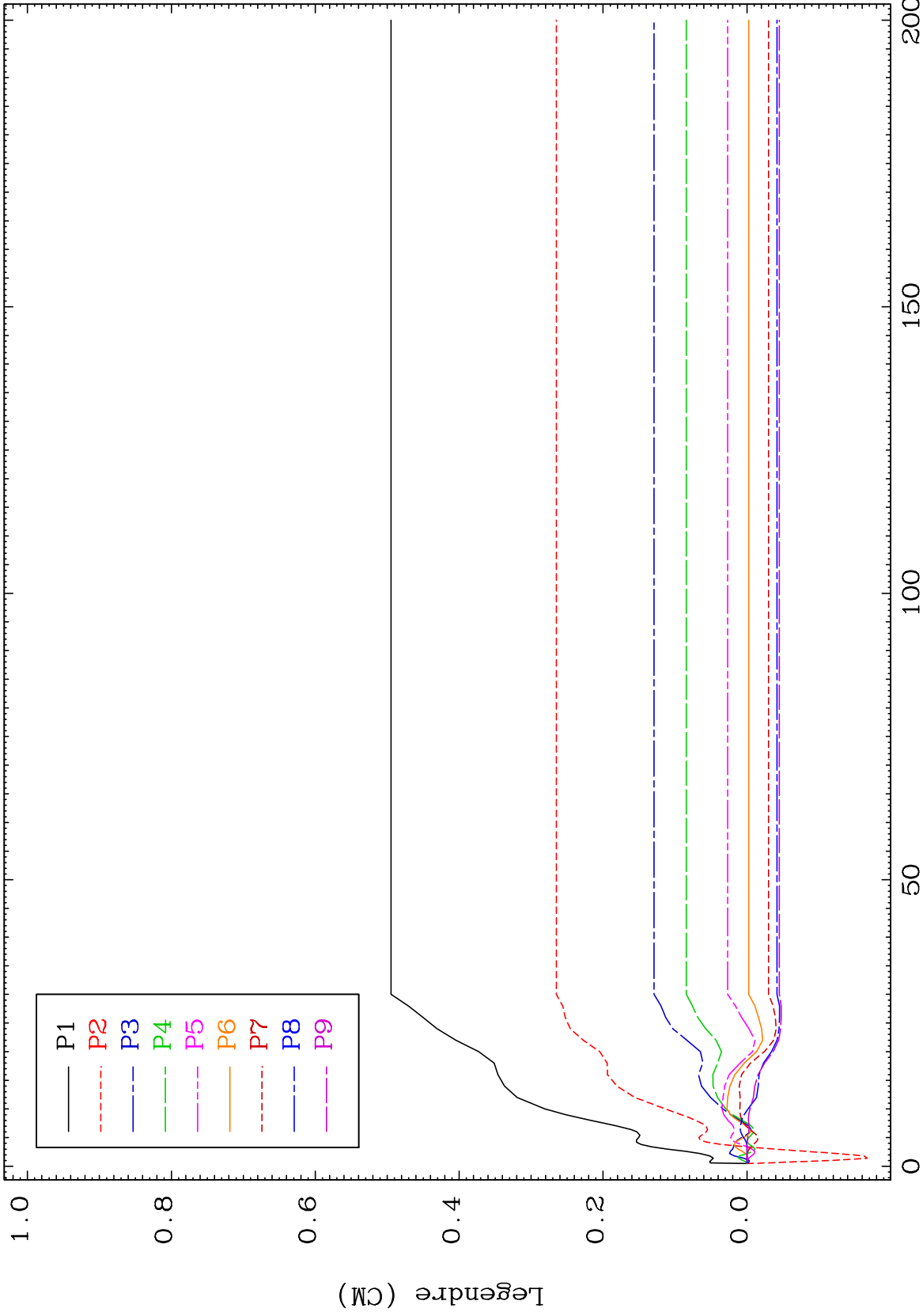
38

41-Nb-102

MAT 4152

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

41-Nb-102



39

Incident Energy (MeV)

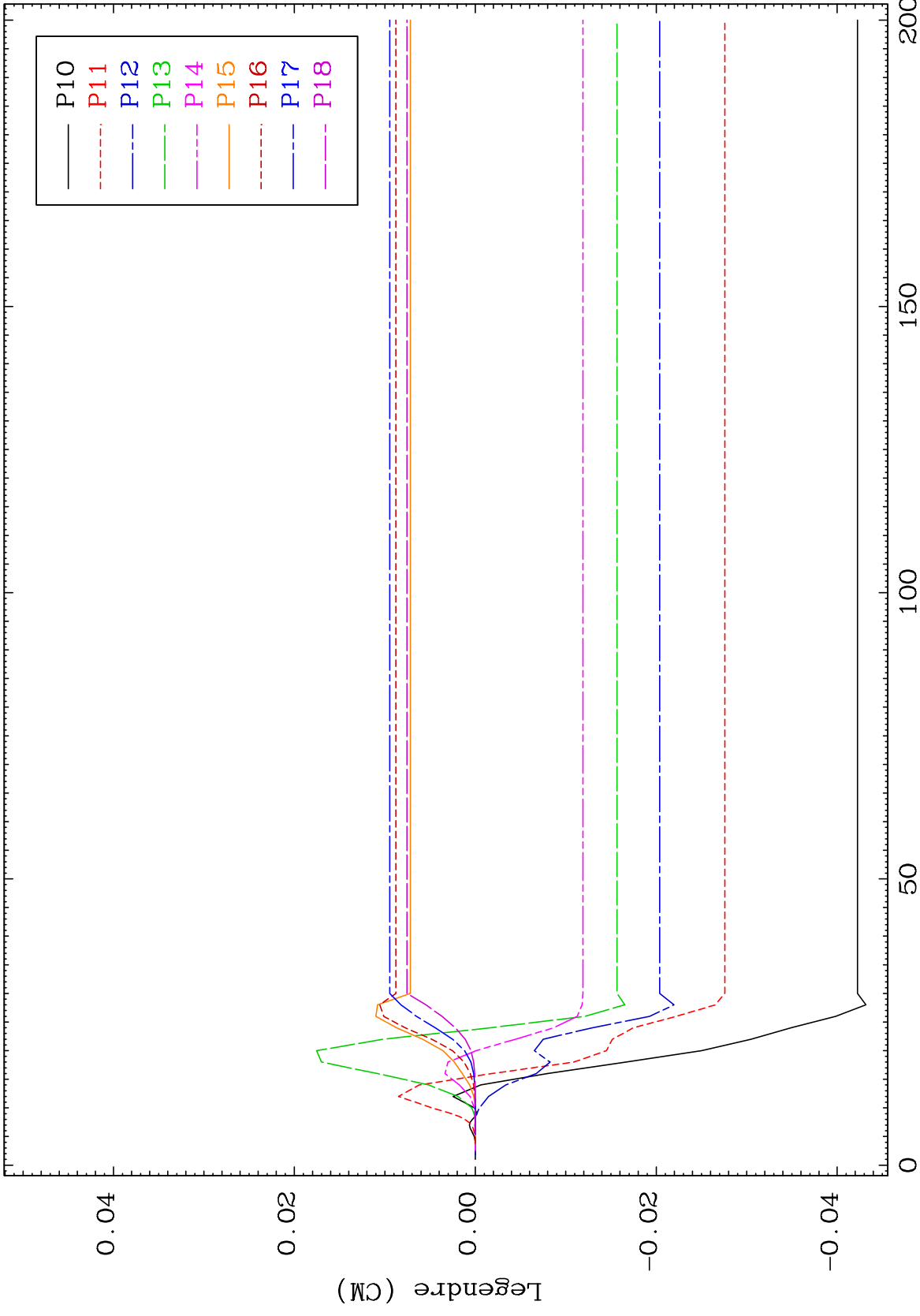
41-Nb-102



MAT 4152

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

41-Nb-102



40

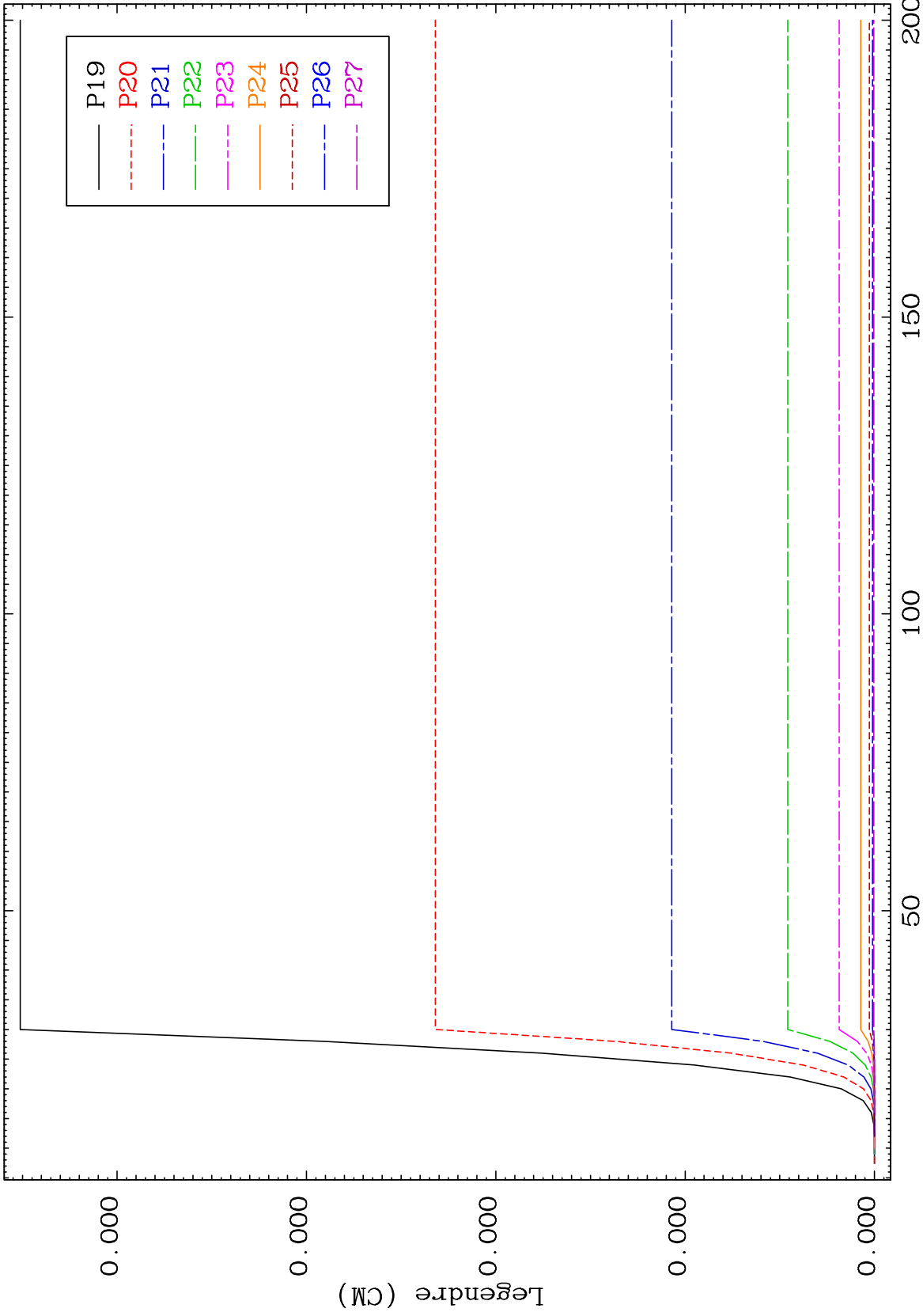
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



41

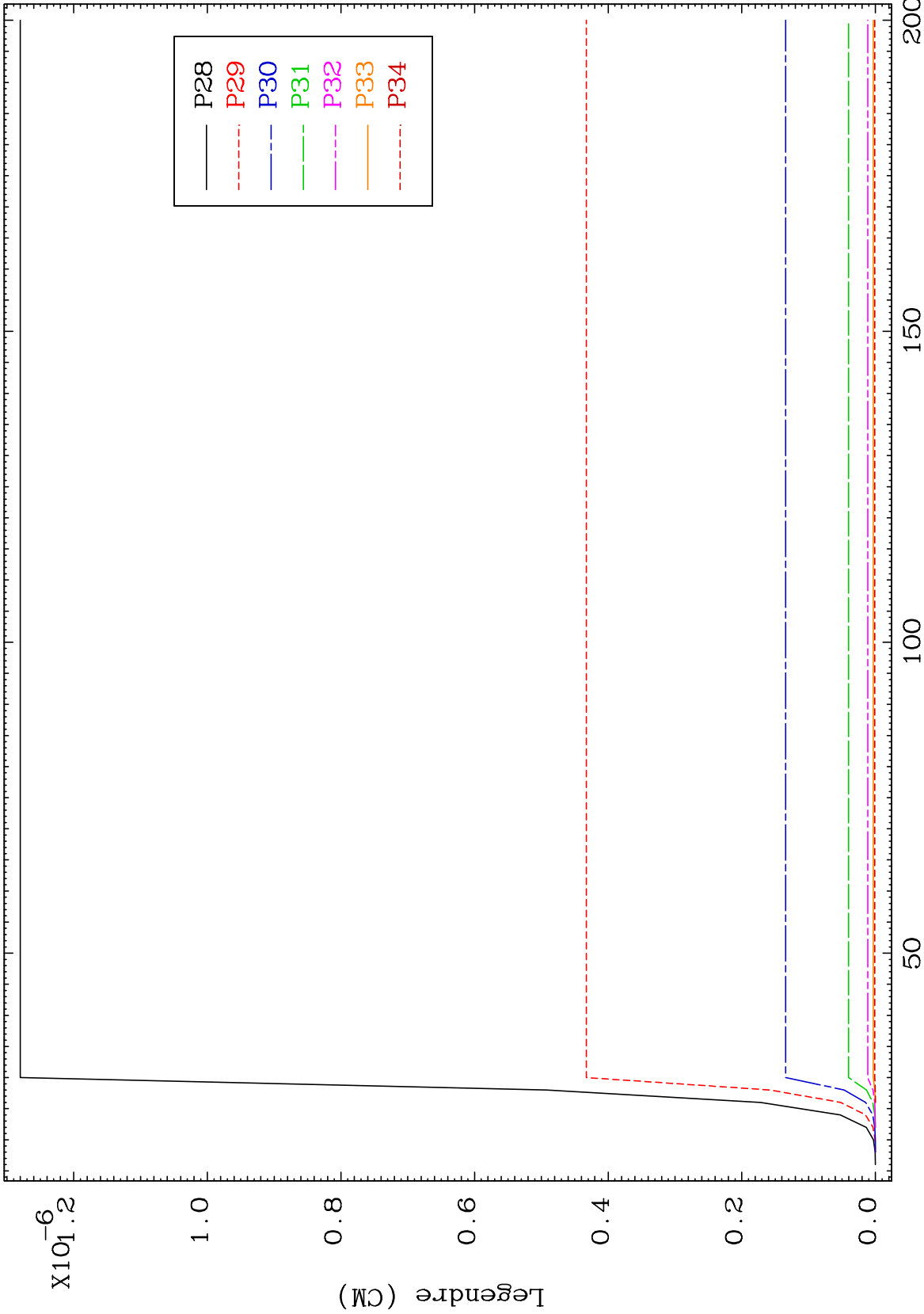
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



42

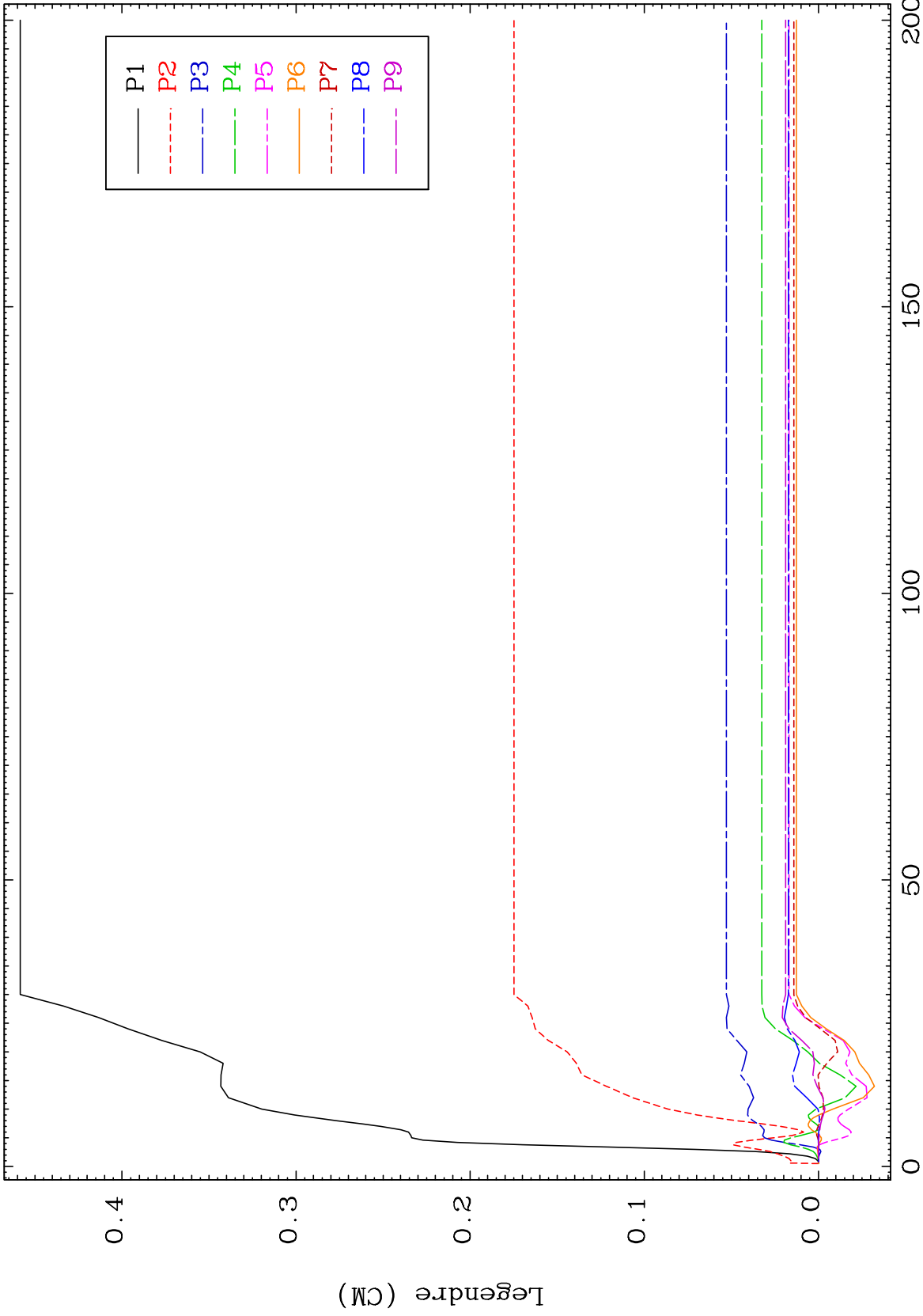
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



43

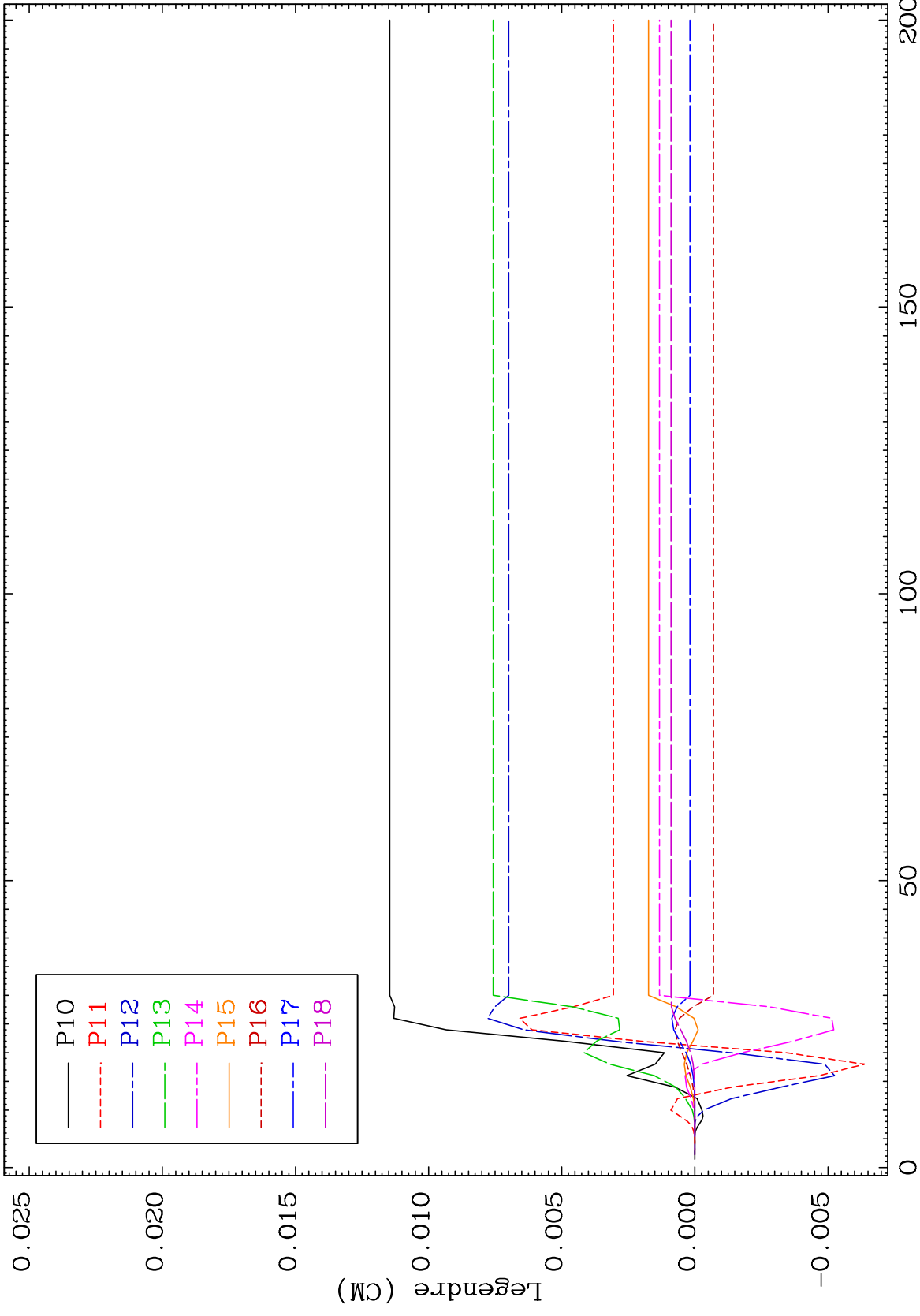
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



44

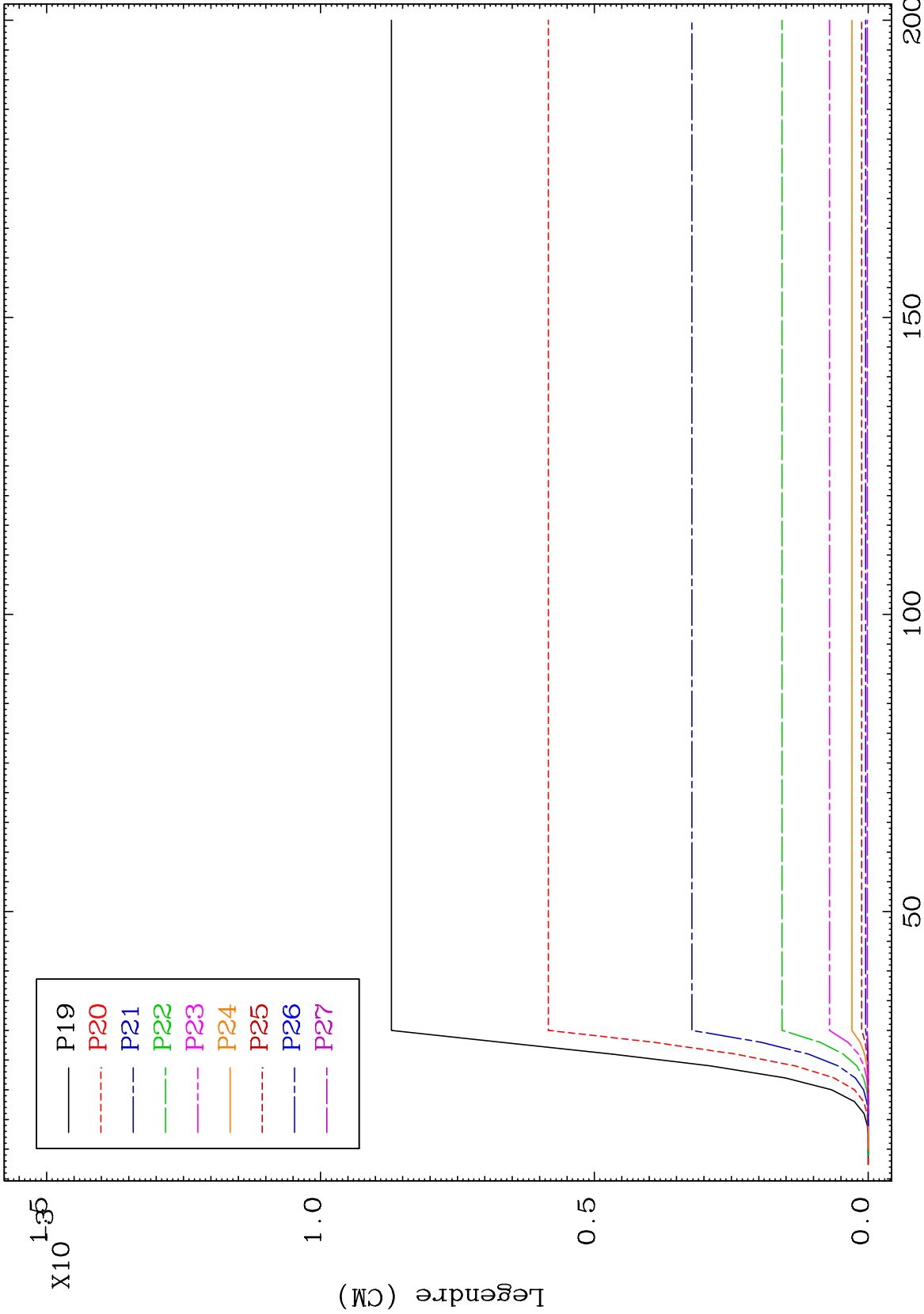
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



45

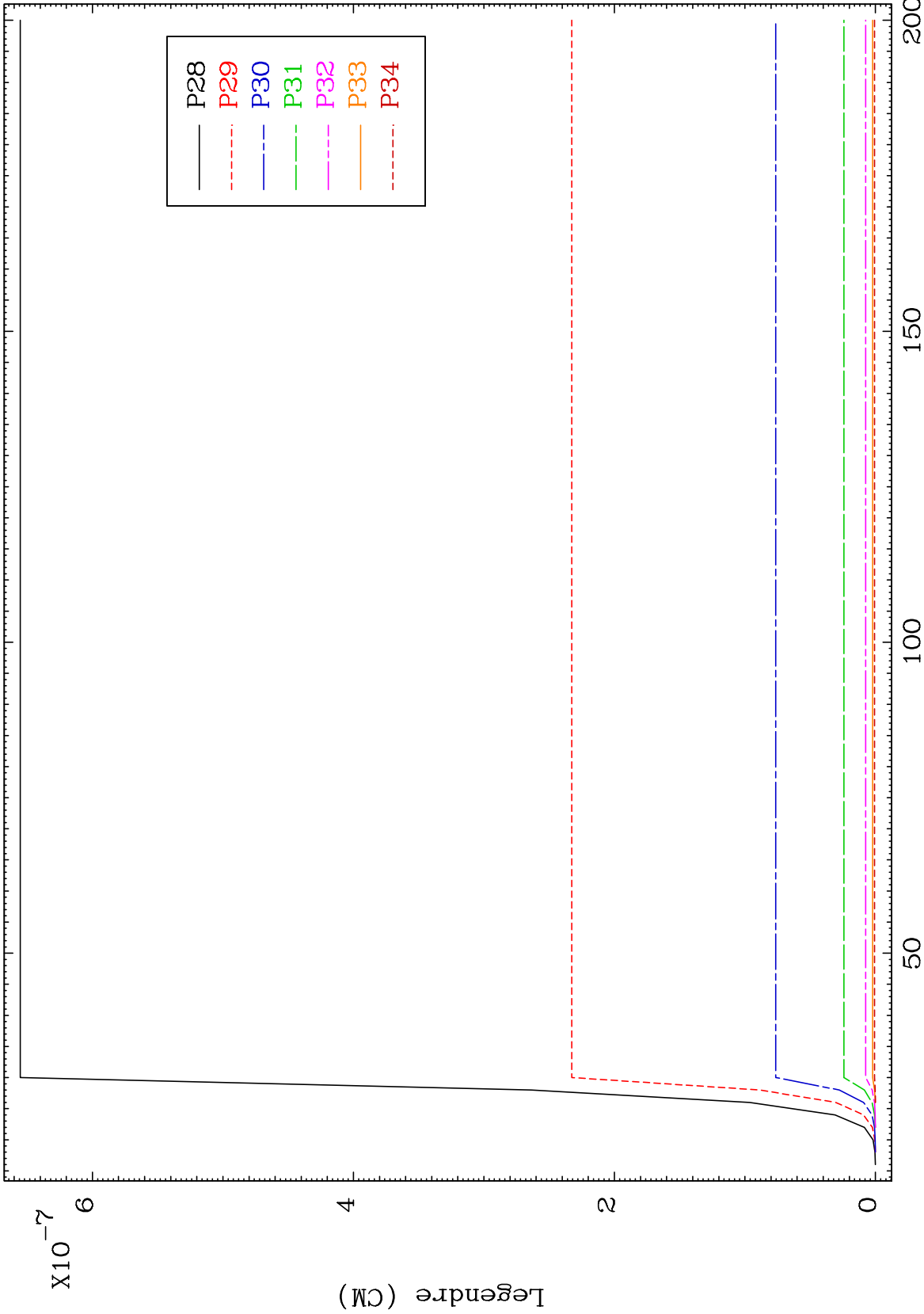
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



46

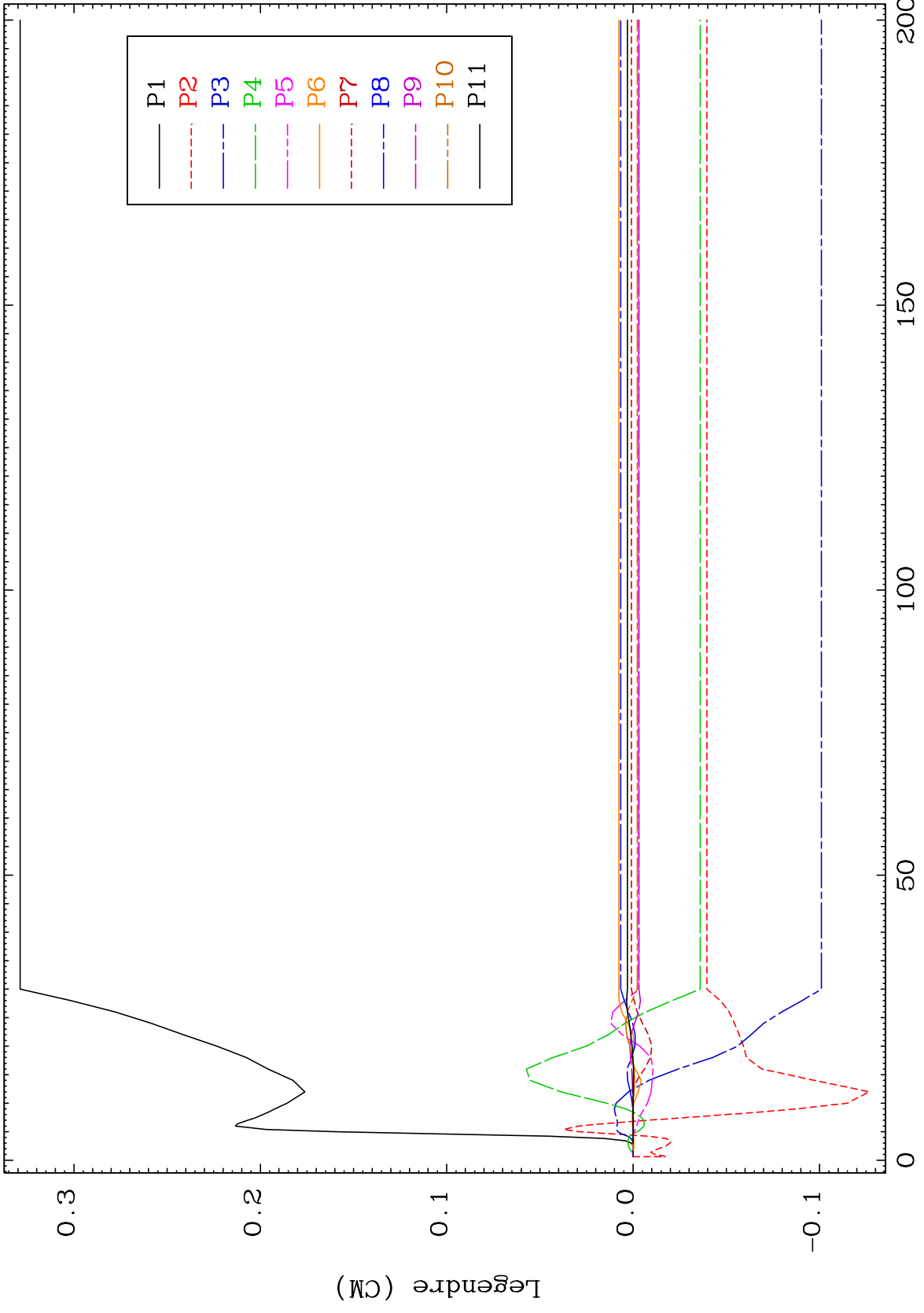
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



47

Incident Energy (MeV)

41-Nb-102

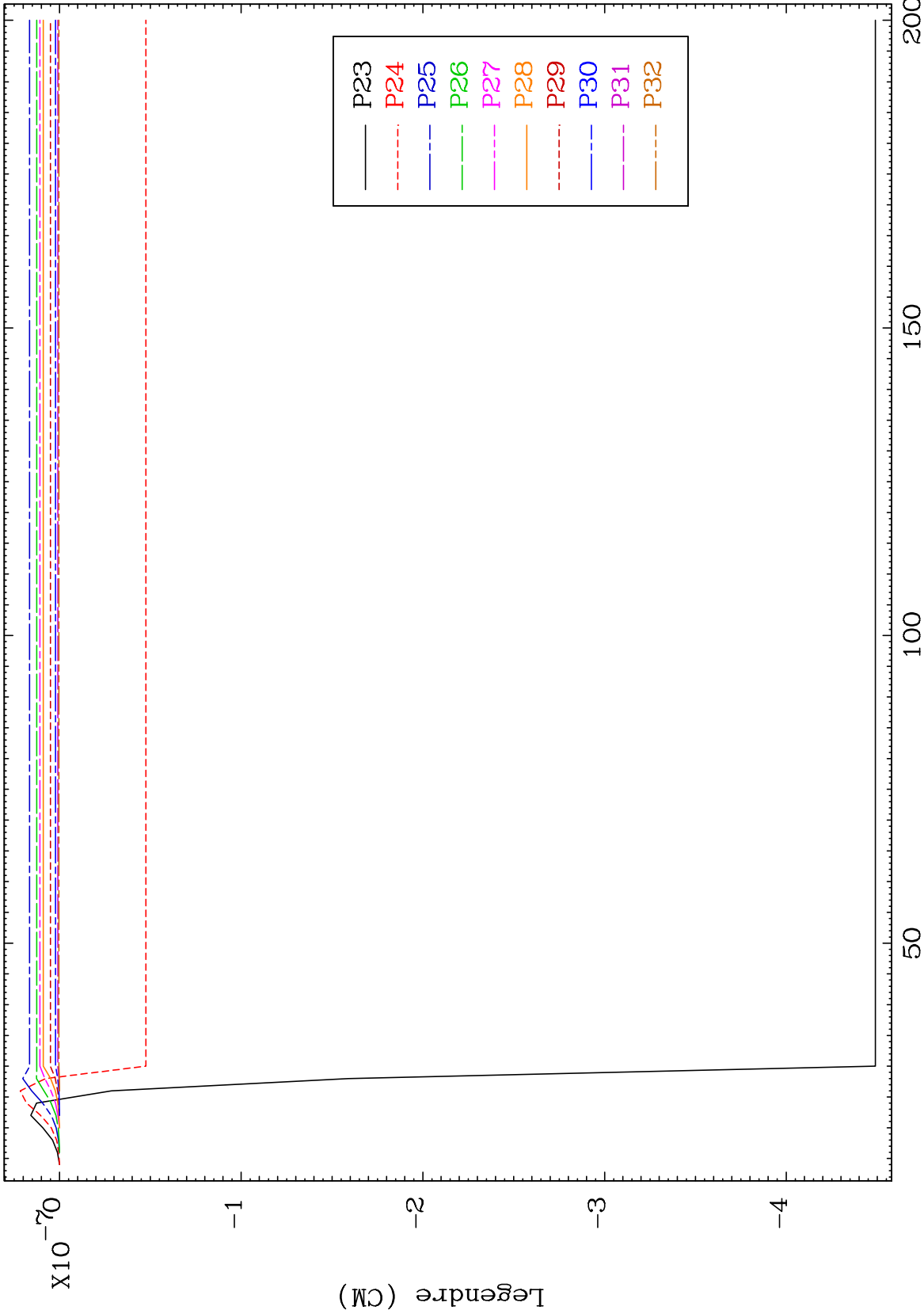




MAT 4152

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

41-Nb-102



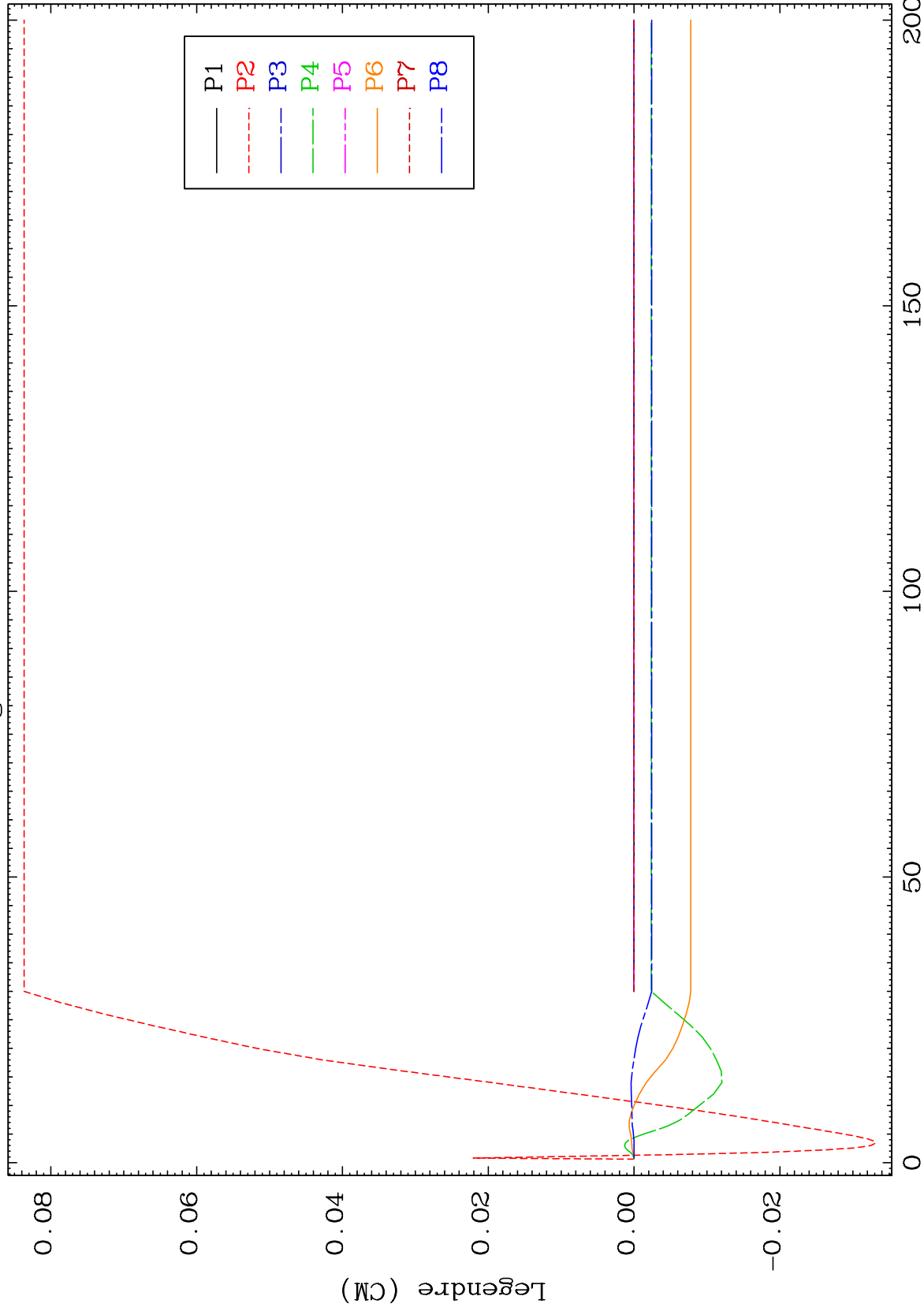
49

41-Nb-102

MAT 4152

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

41-Nb-102



41-Nb-102

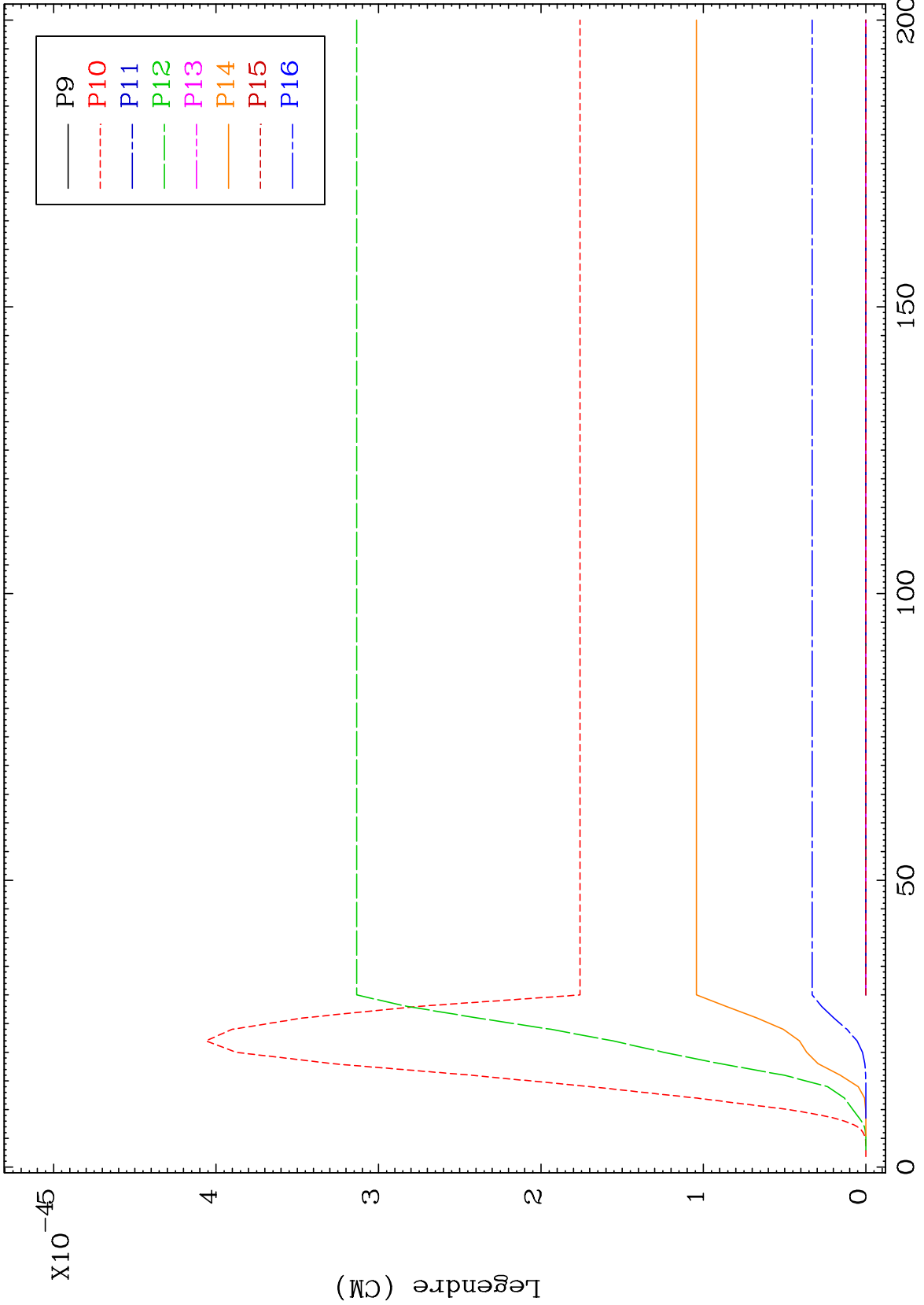
Incident Energy (MeV)

50

MAT 4152

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

41-Nb-102



51

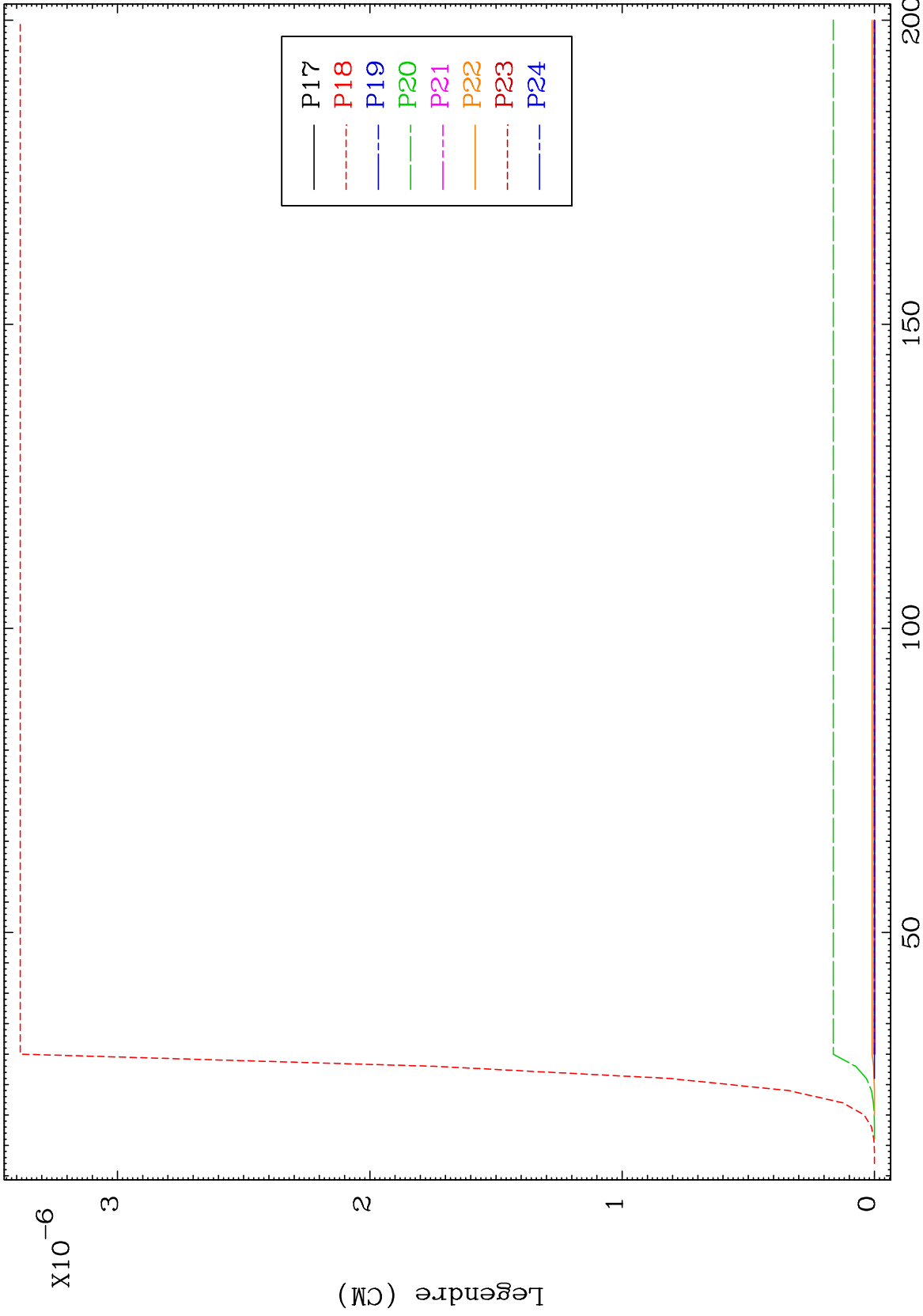
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



52

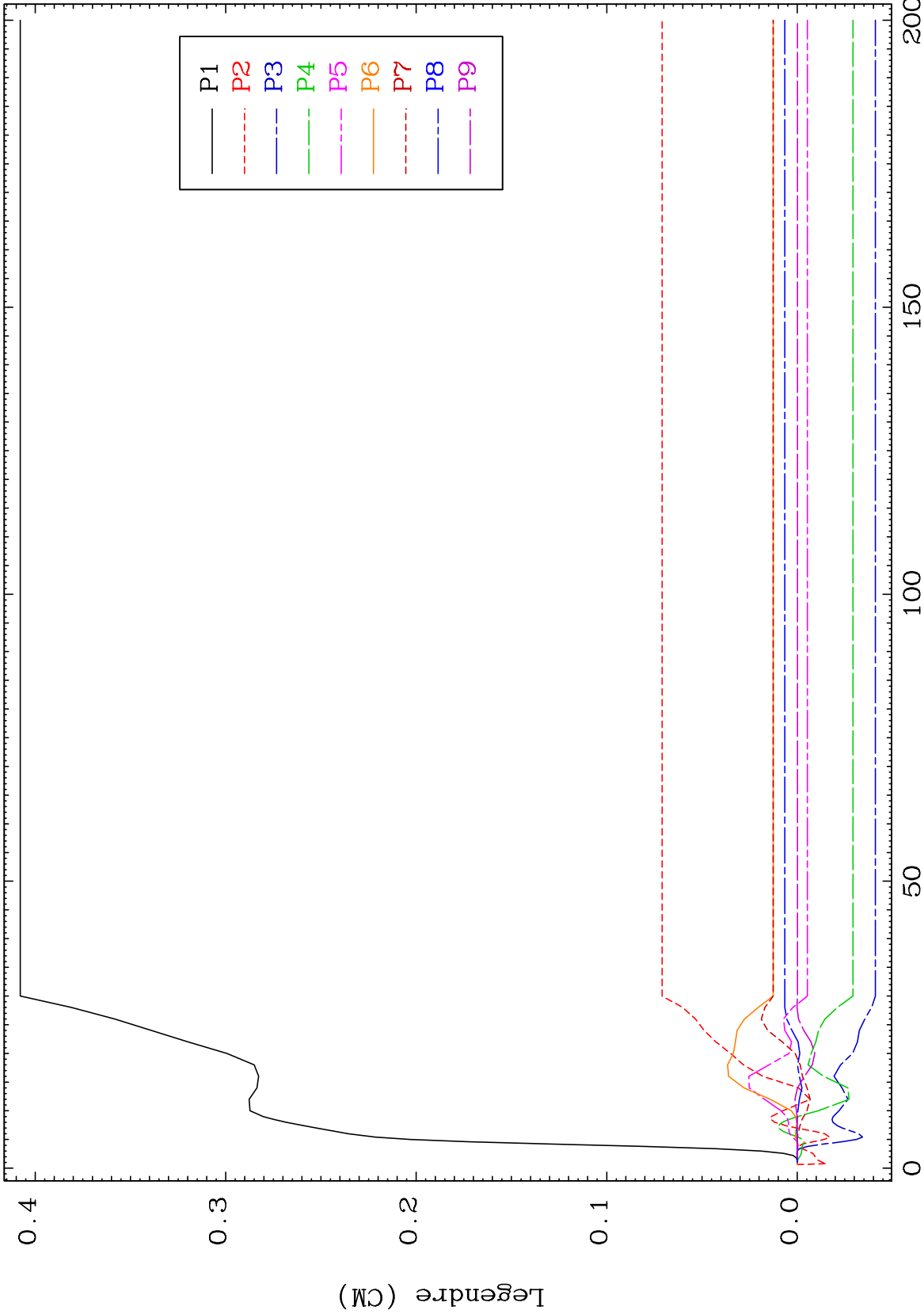
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



53

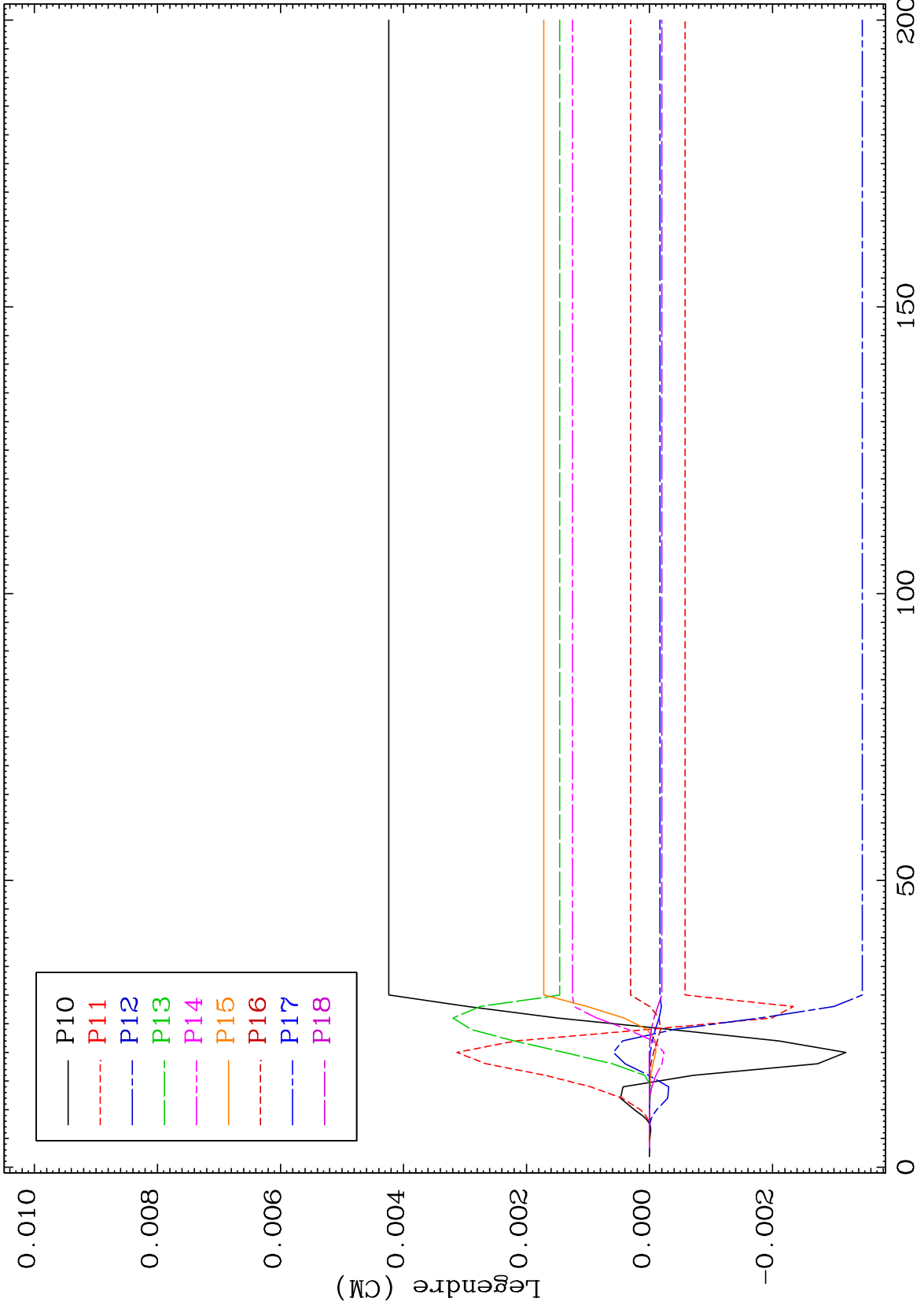
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

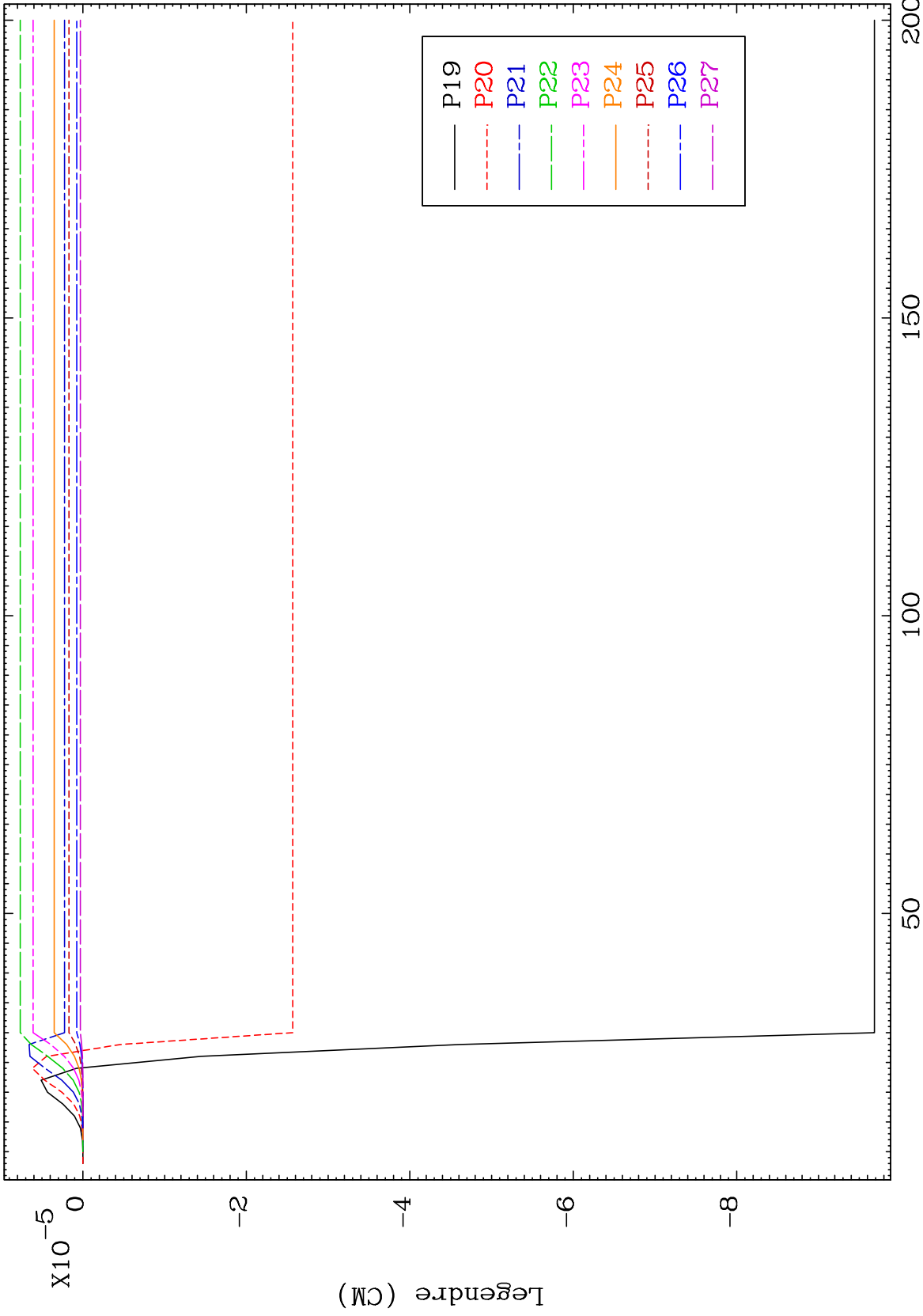
41-Nb-102



MAT 4152

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

41-Nb-102



55

Incident Energy (MeV)

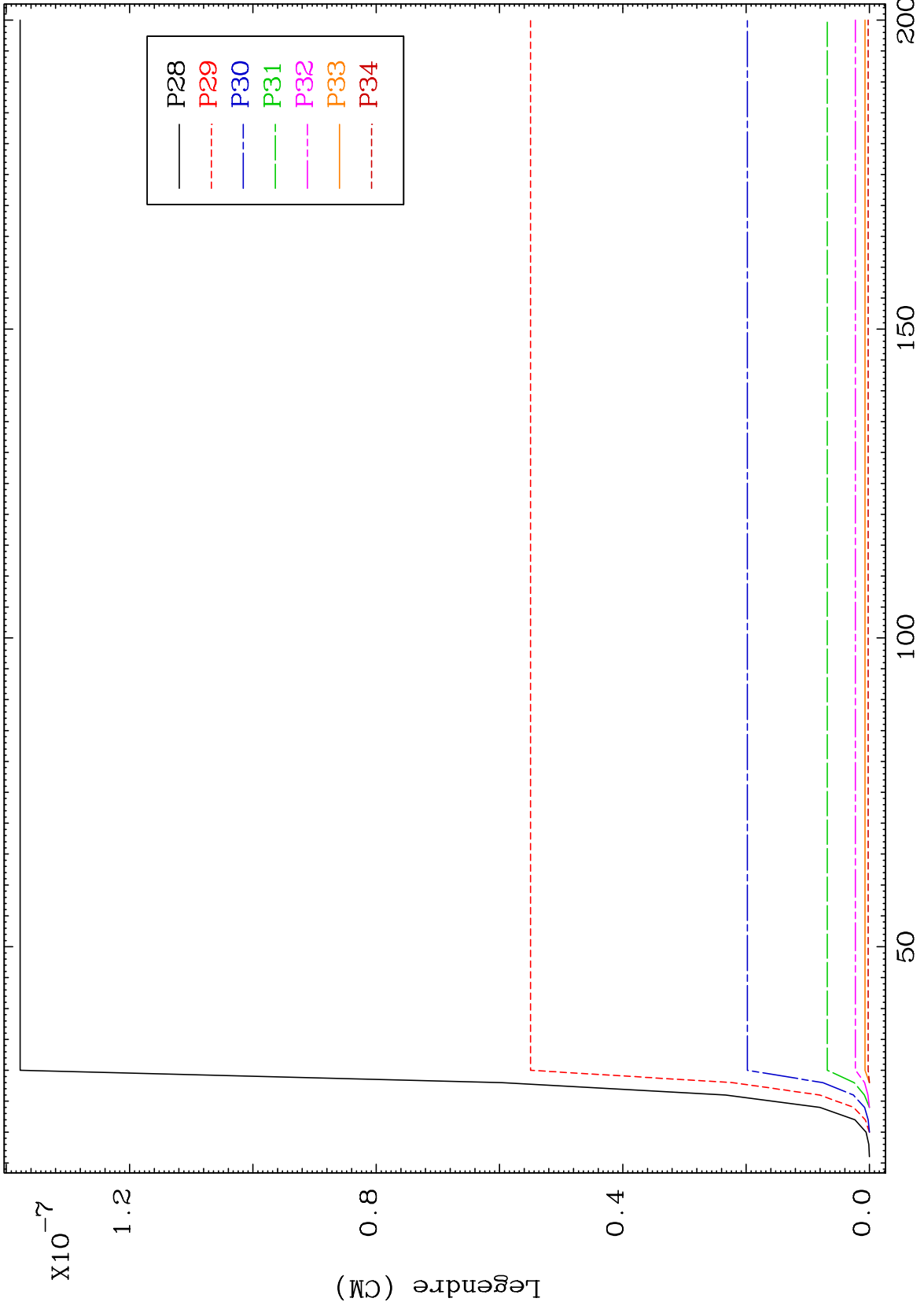
41-Nb-102



MAT 4152

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

41-Nb-102



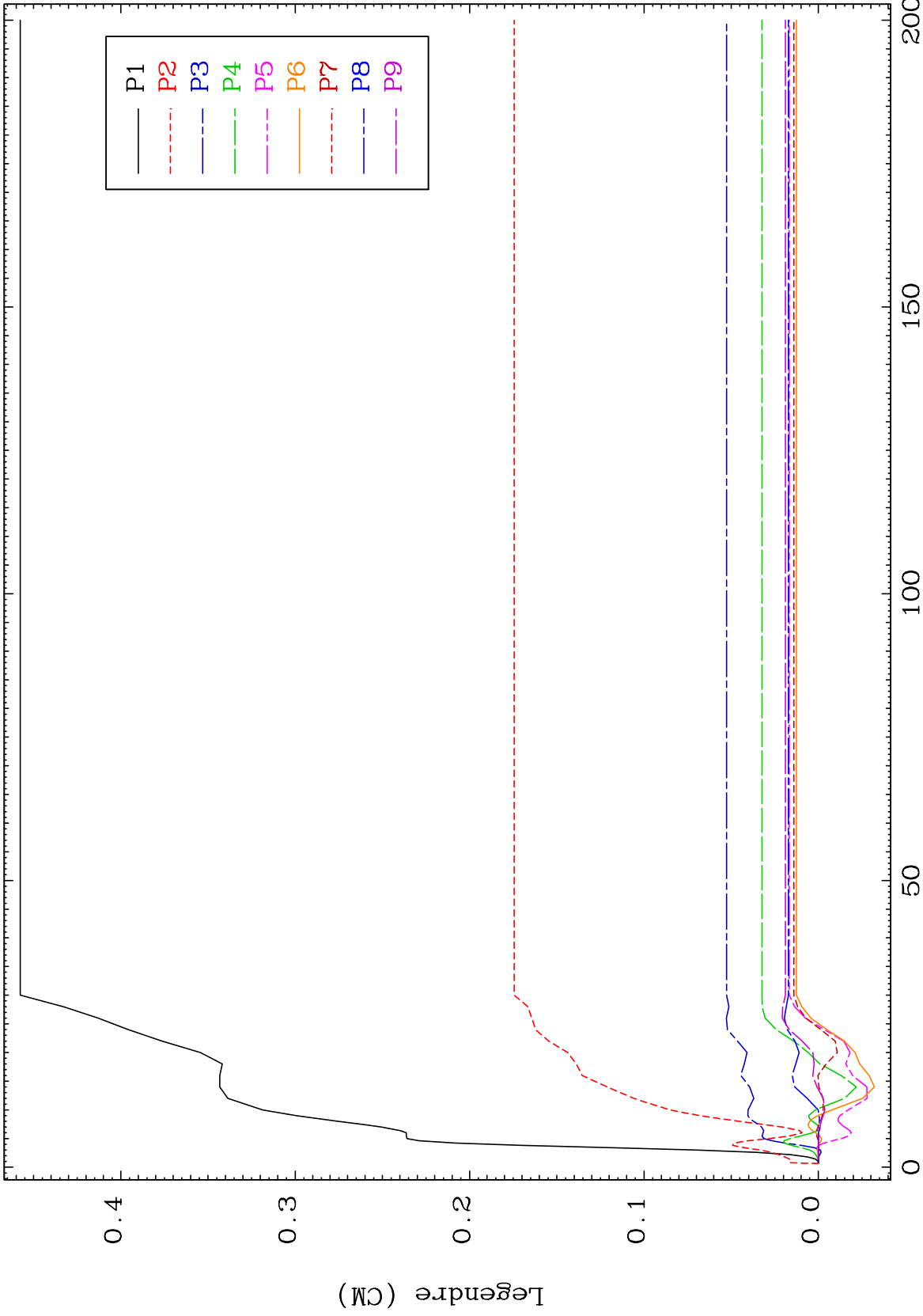
56

41-Nb-102

MAT 4152

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

41-Nb-102



57

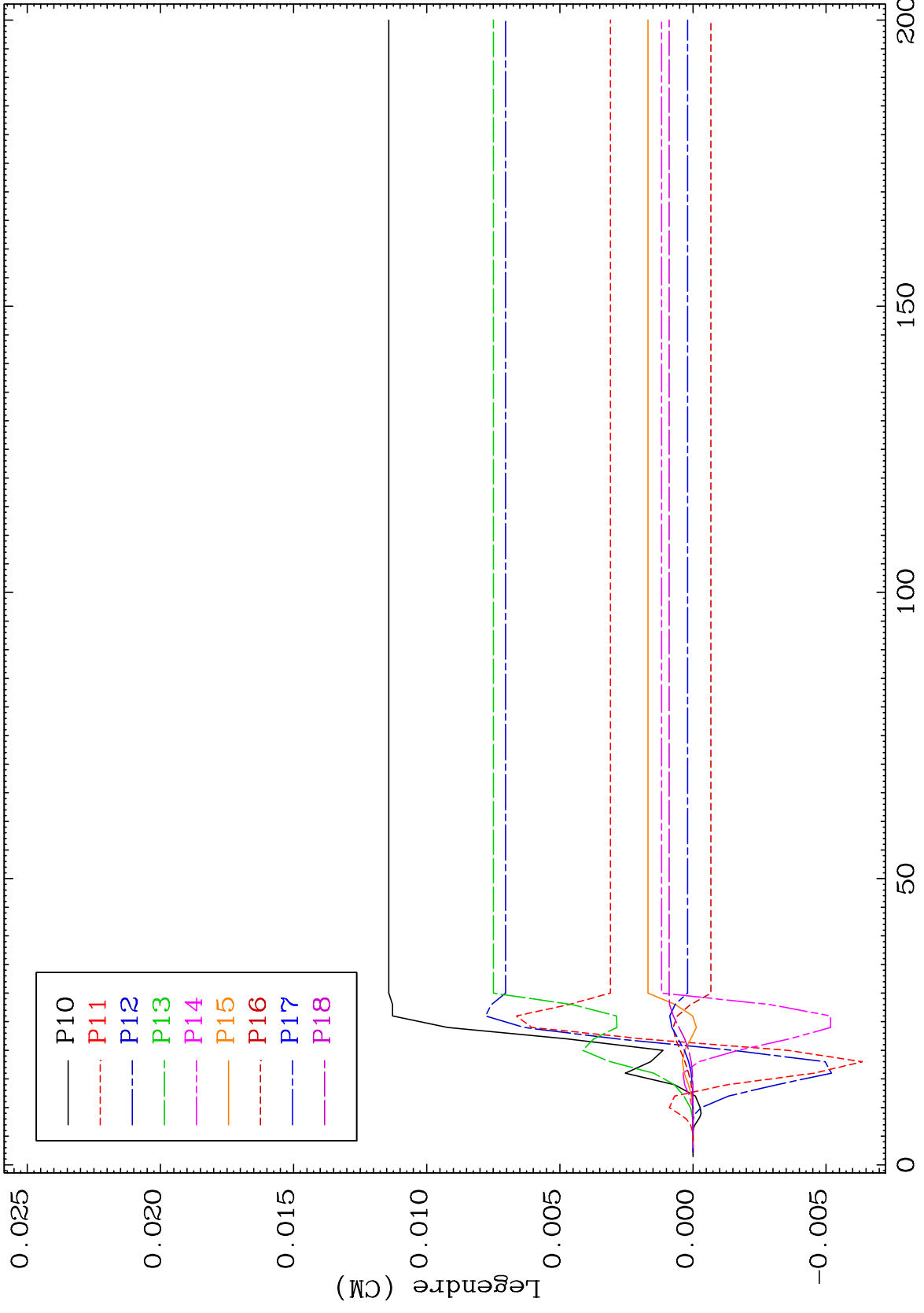
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



58

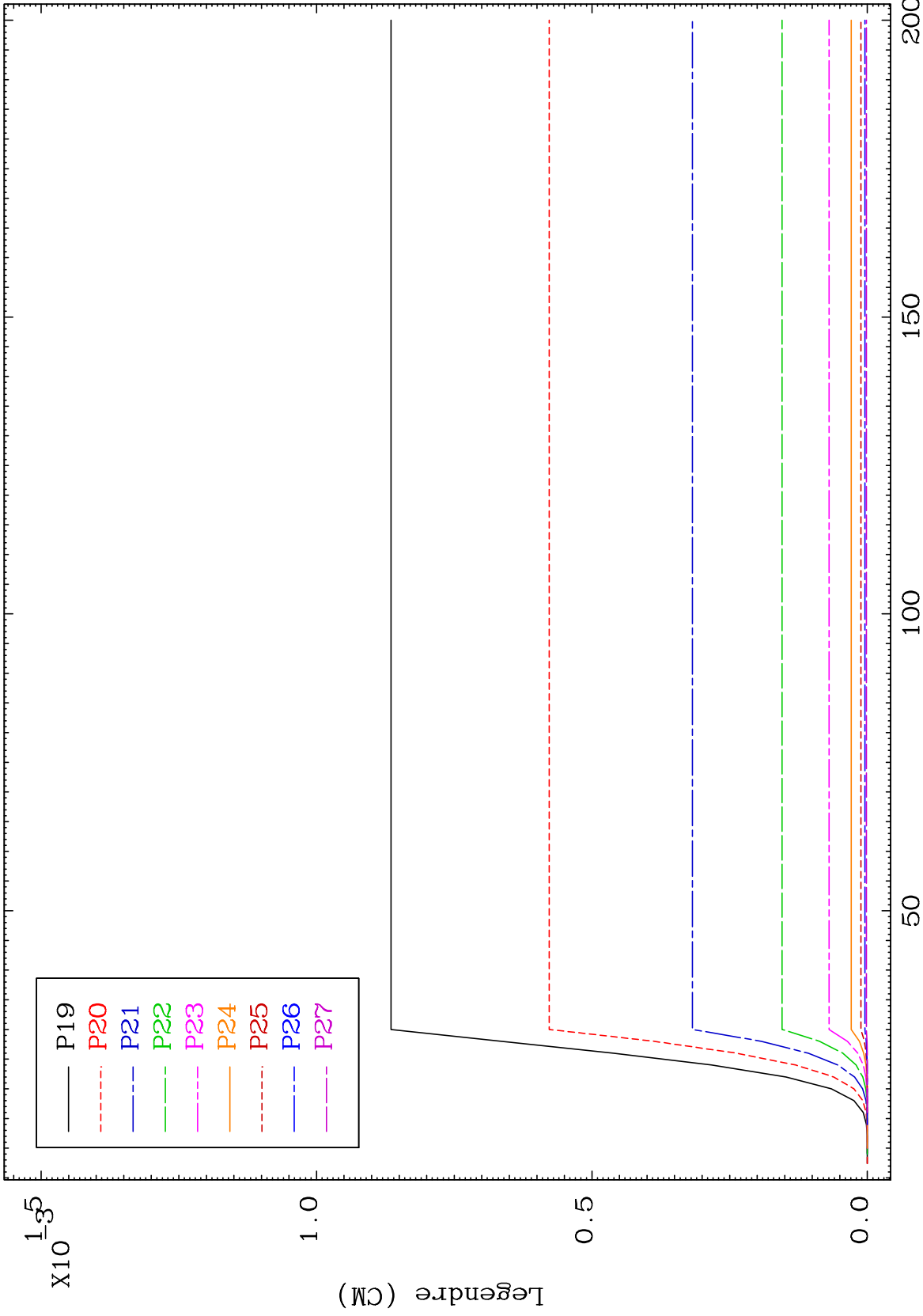
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



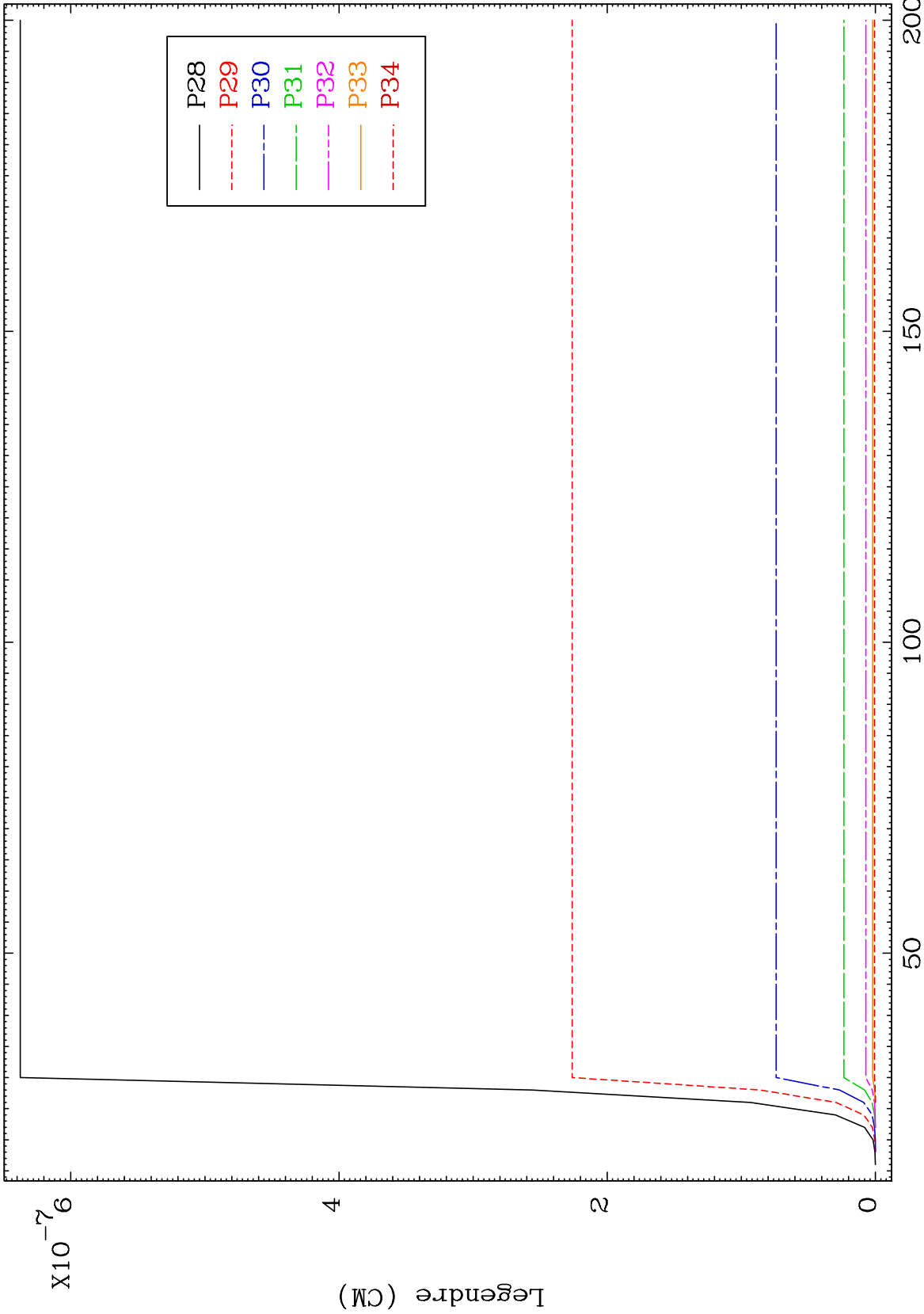
59

41-Nb-102

MAT 4152

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

41-Nb-102



60

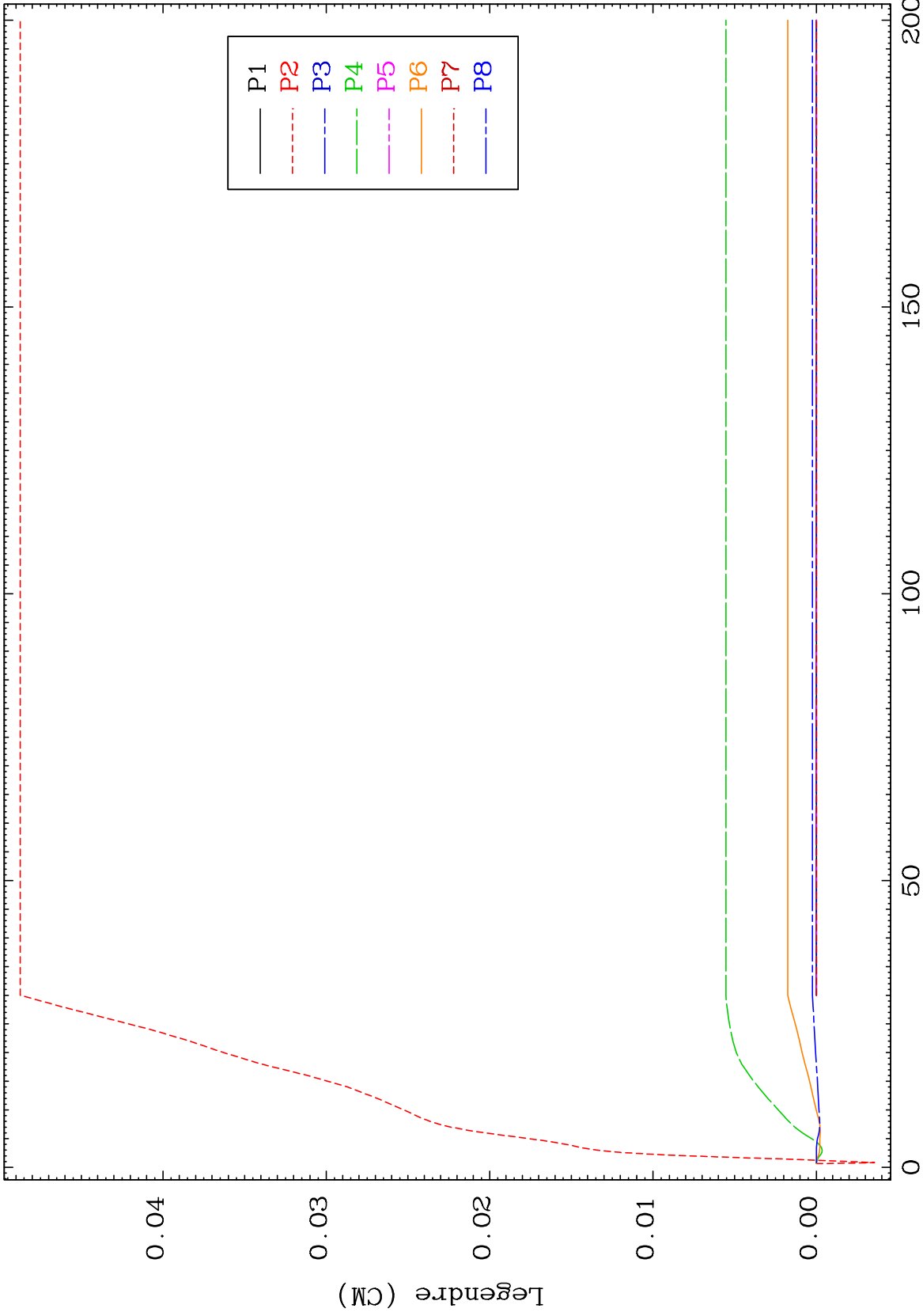
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



61

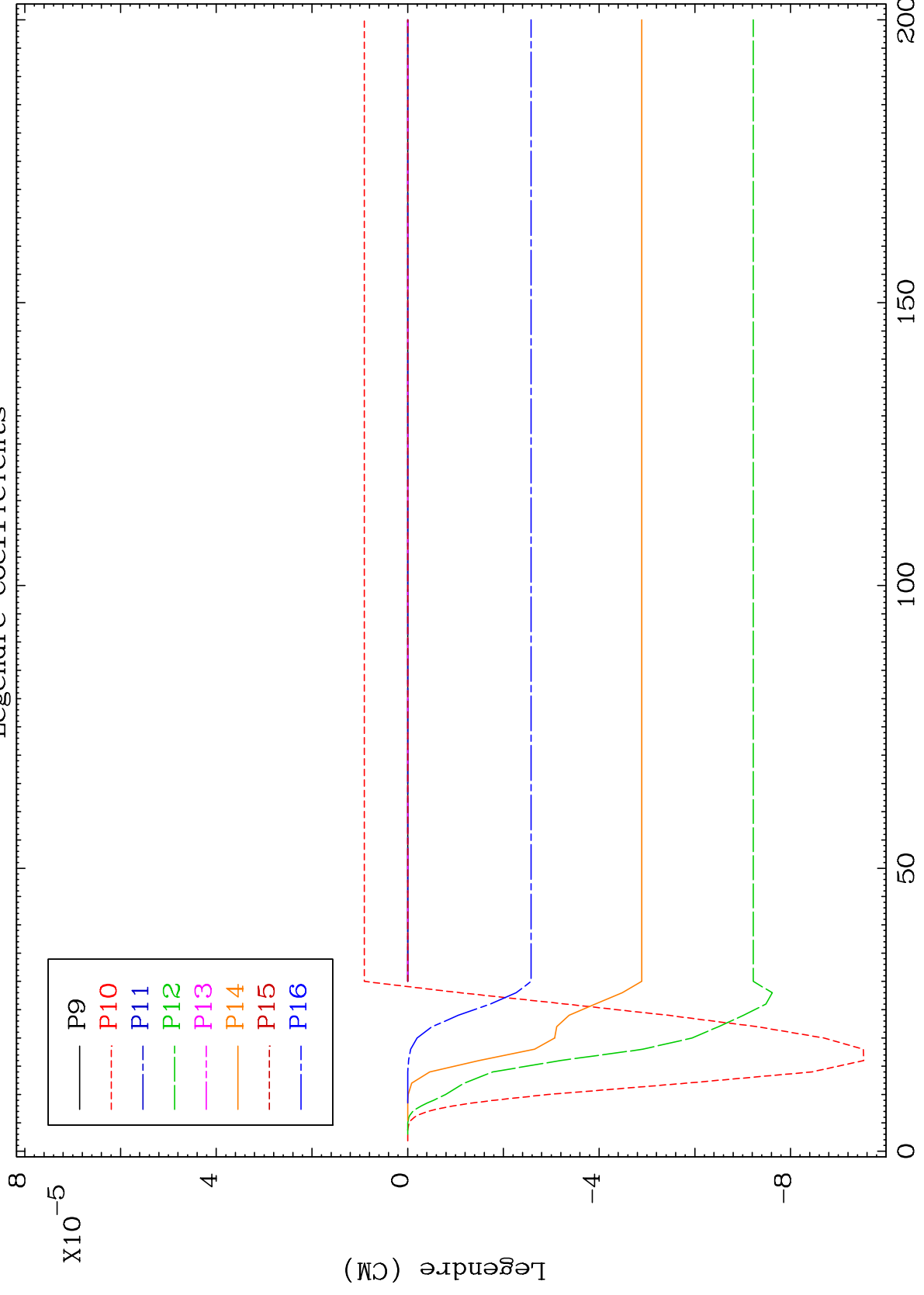
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102

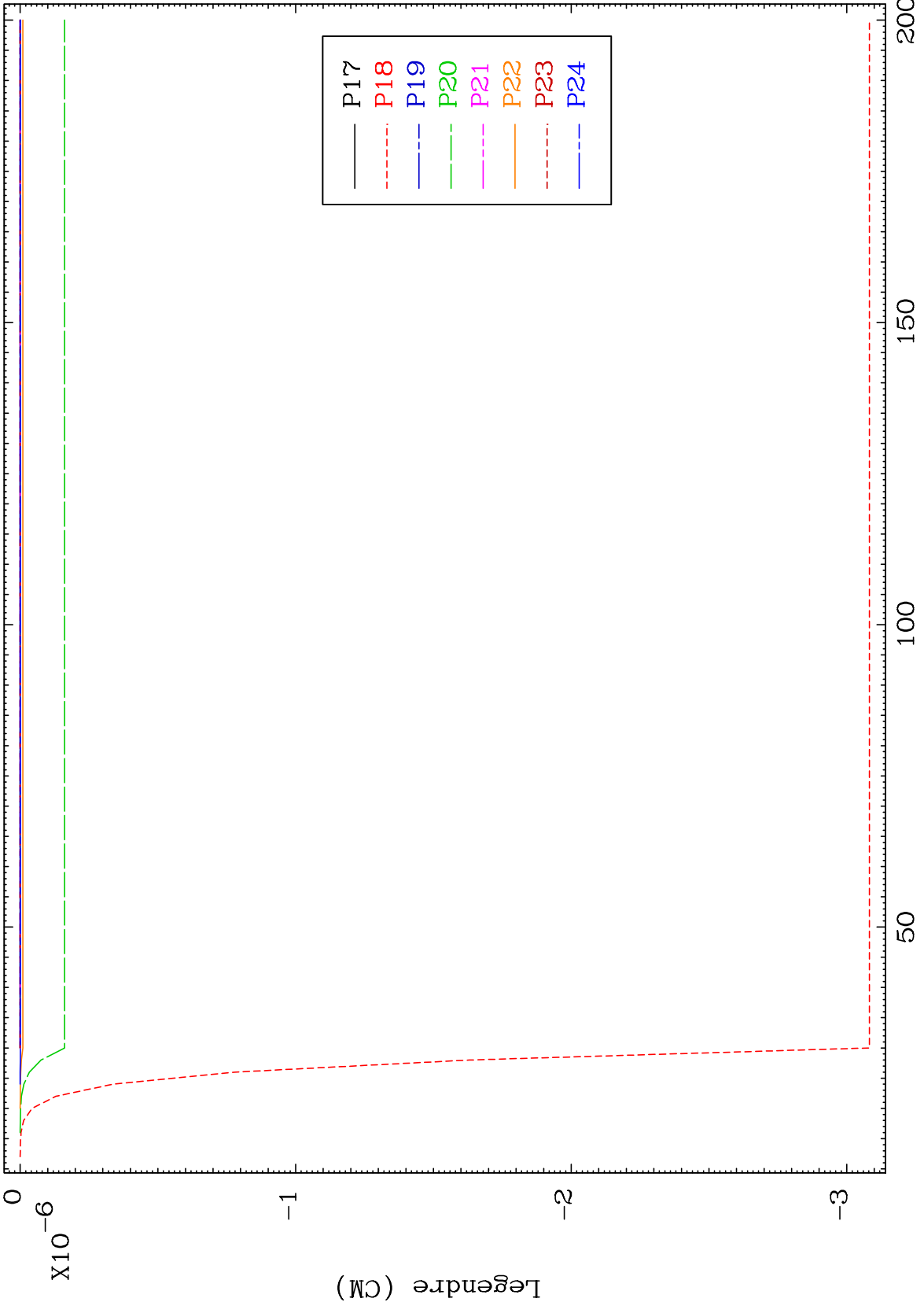


62

Incident Energy (MeV)

41-Nb-102

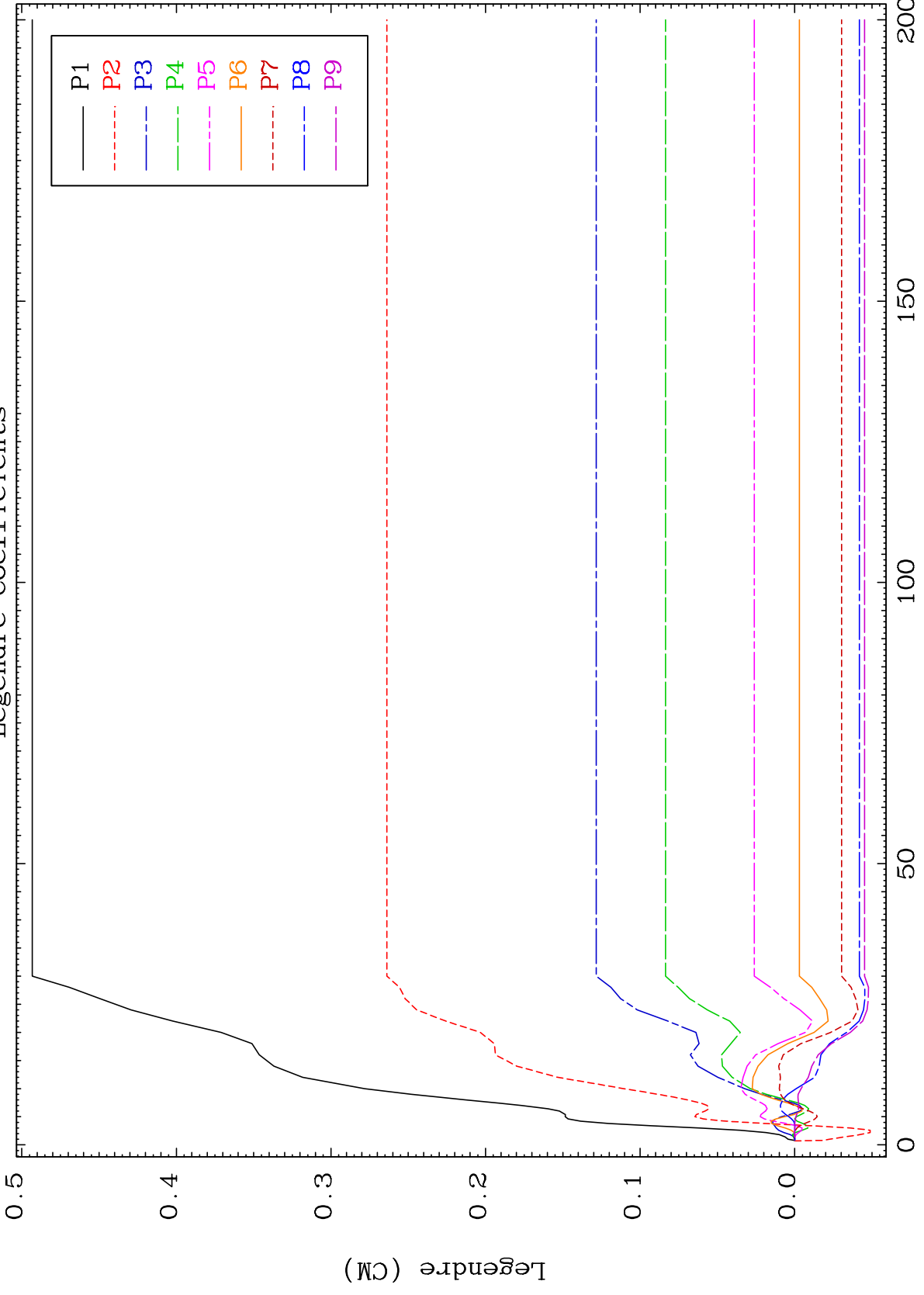
MAT 4152 MT= 63 (n,n') Level Legendre Coefficients 41-Nb-102



63 41-Nb-102



MAT 4152 MT= 64 (n,n') Level Legendre Coefficients 41-Nb-102

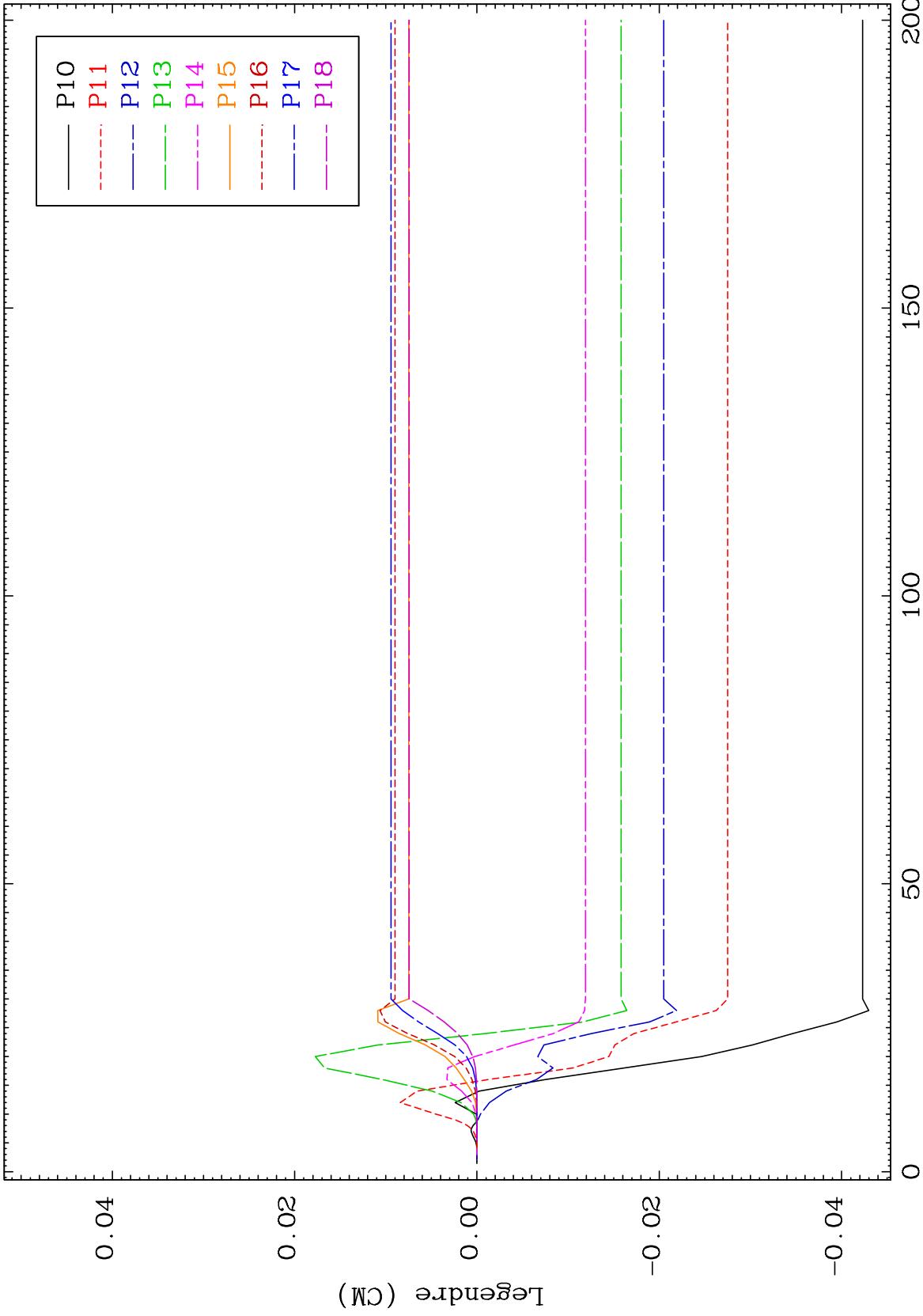


64 41-Nb-102

MAT 4152

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

41-Nb-102



65

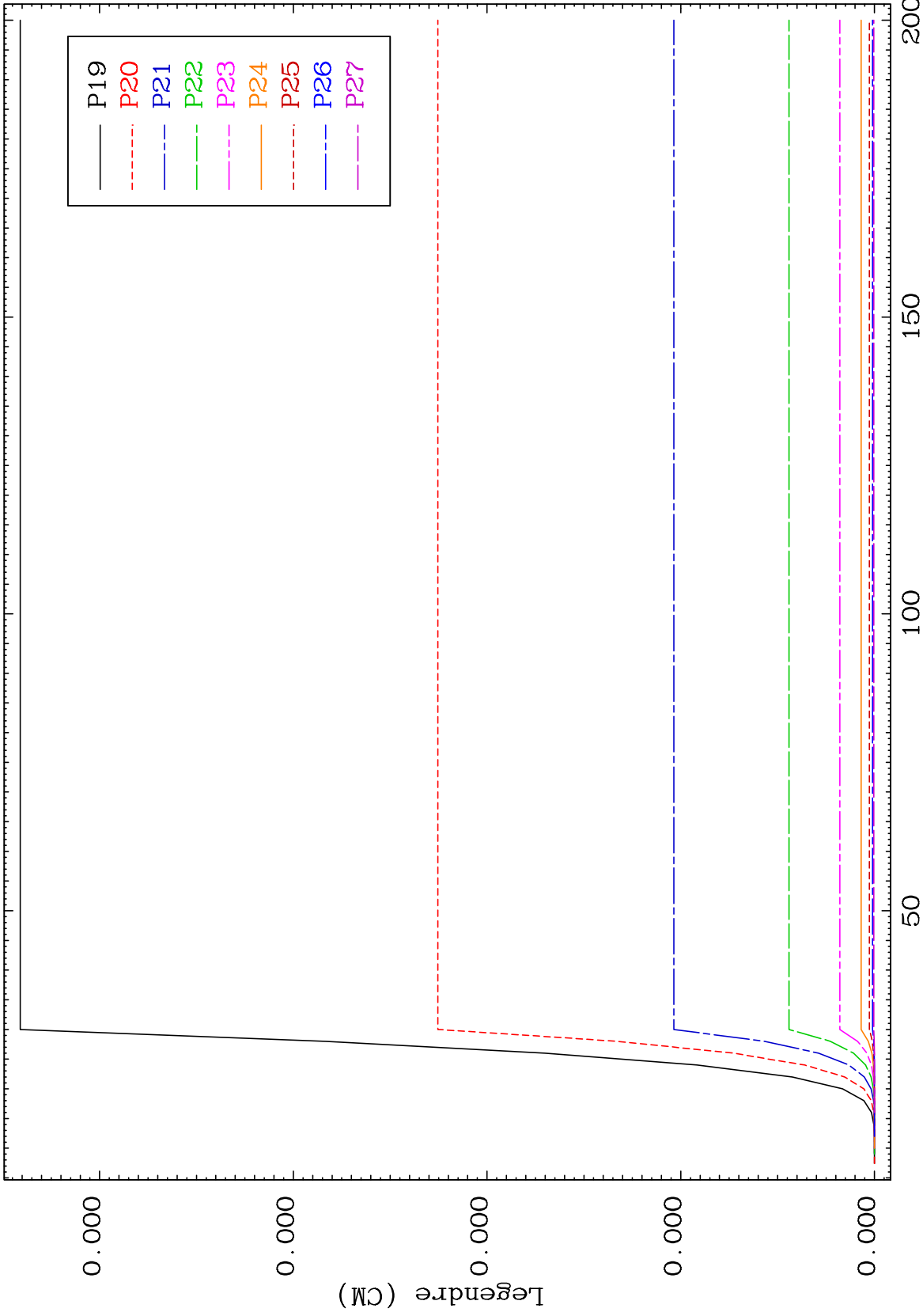
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



66

Incident Energy (MeV)

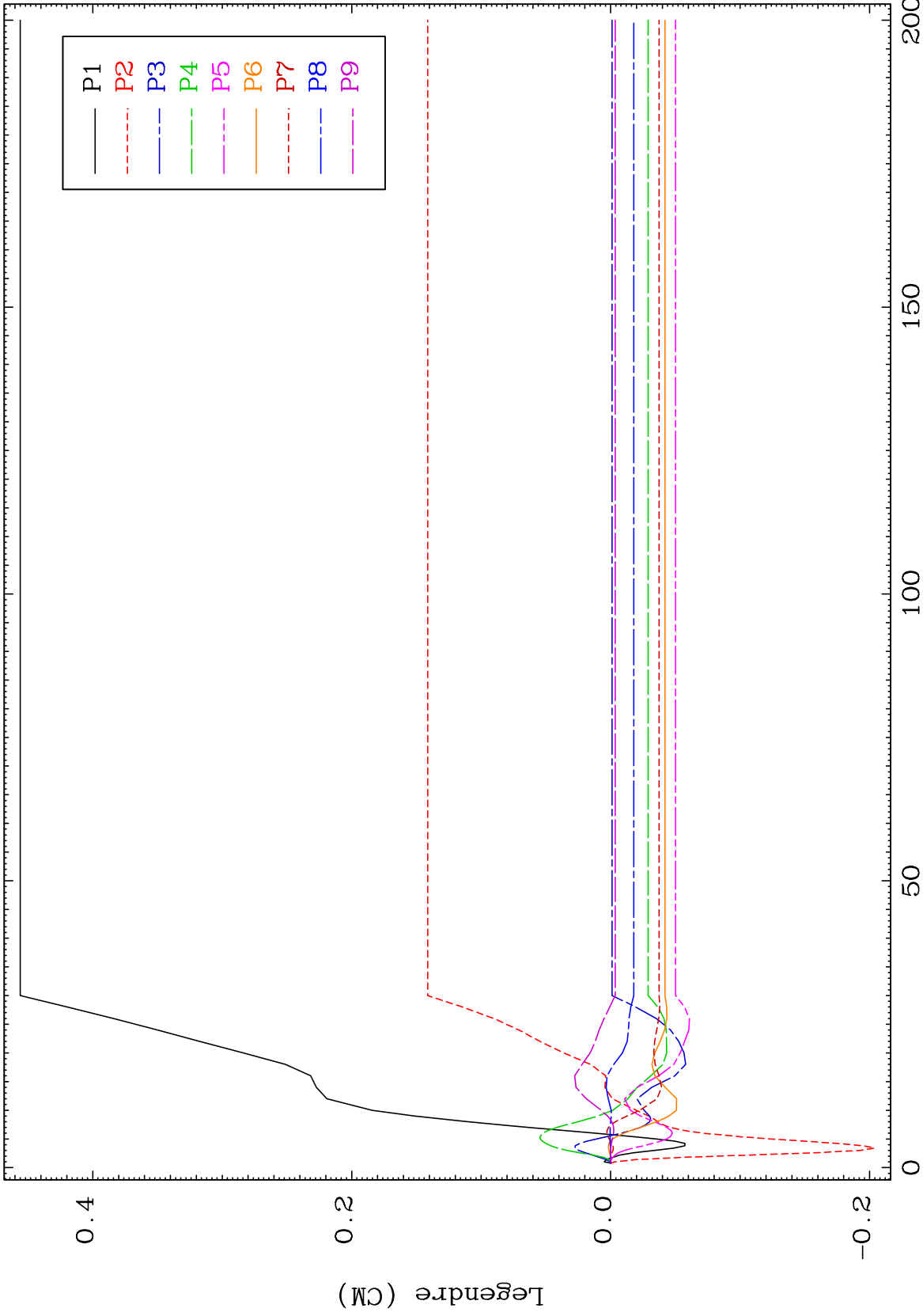
41-Nb-102



MAT 4152

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

41-Nb-102



68

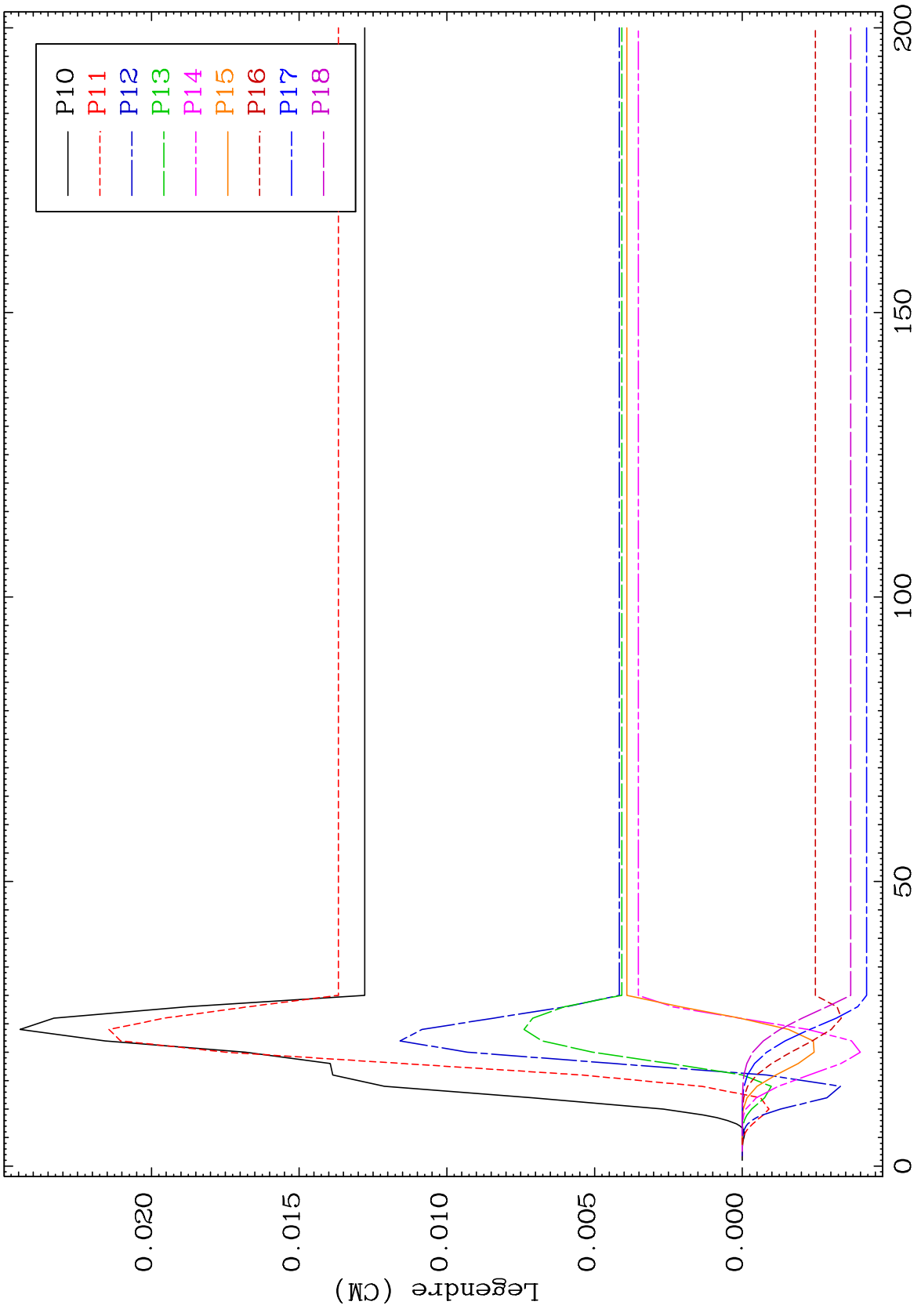
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



69

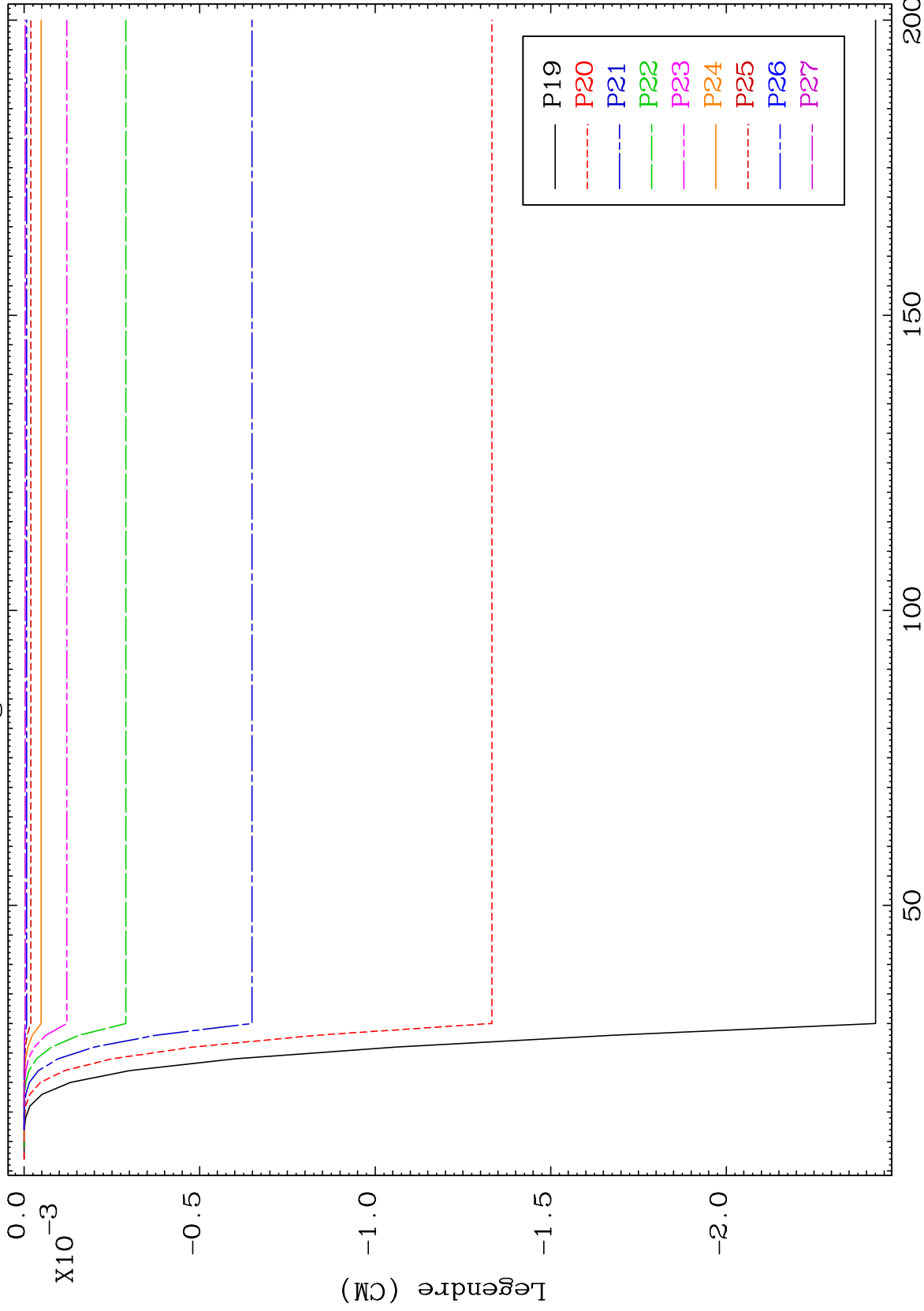
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



41-Nb-102

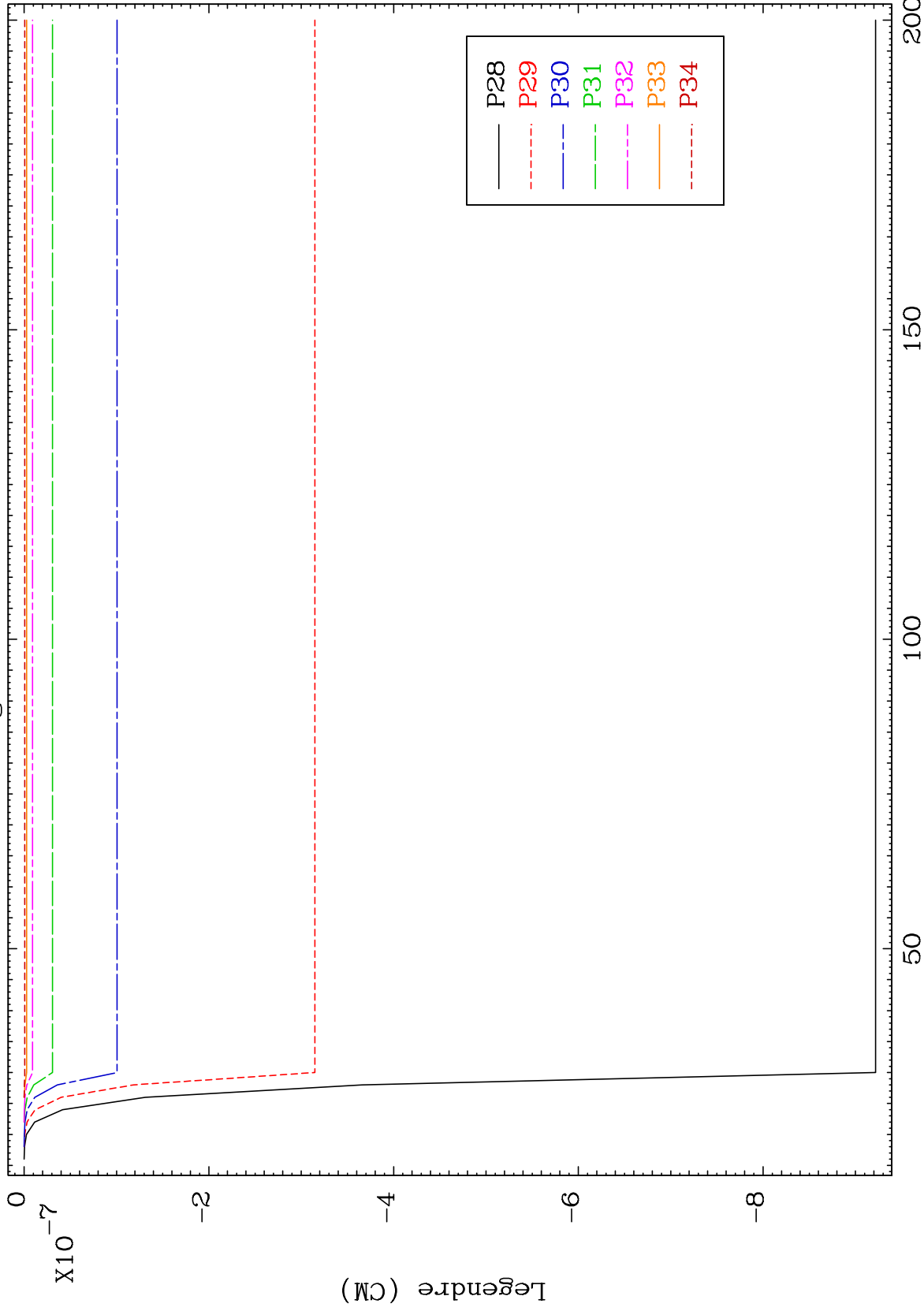
Incident Energy (MeV)

70

MAT 4152

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

41-Nb-102



71

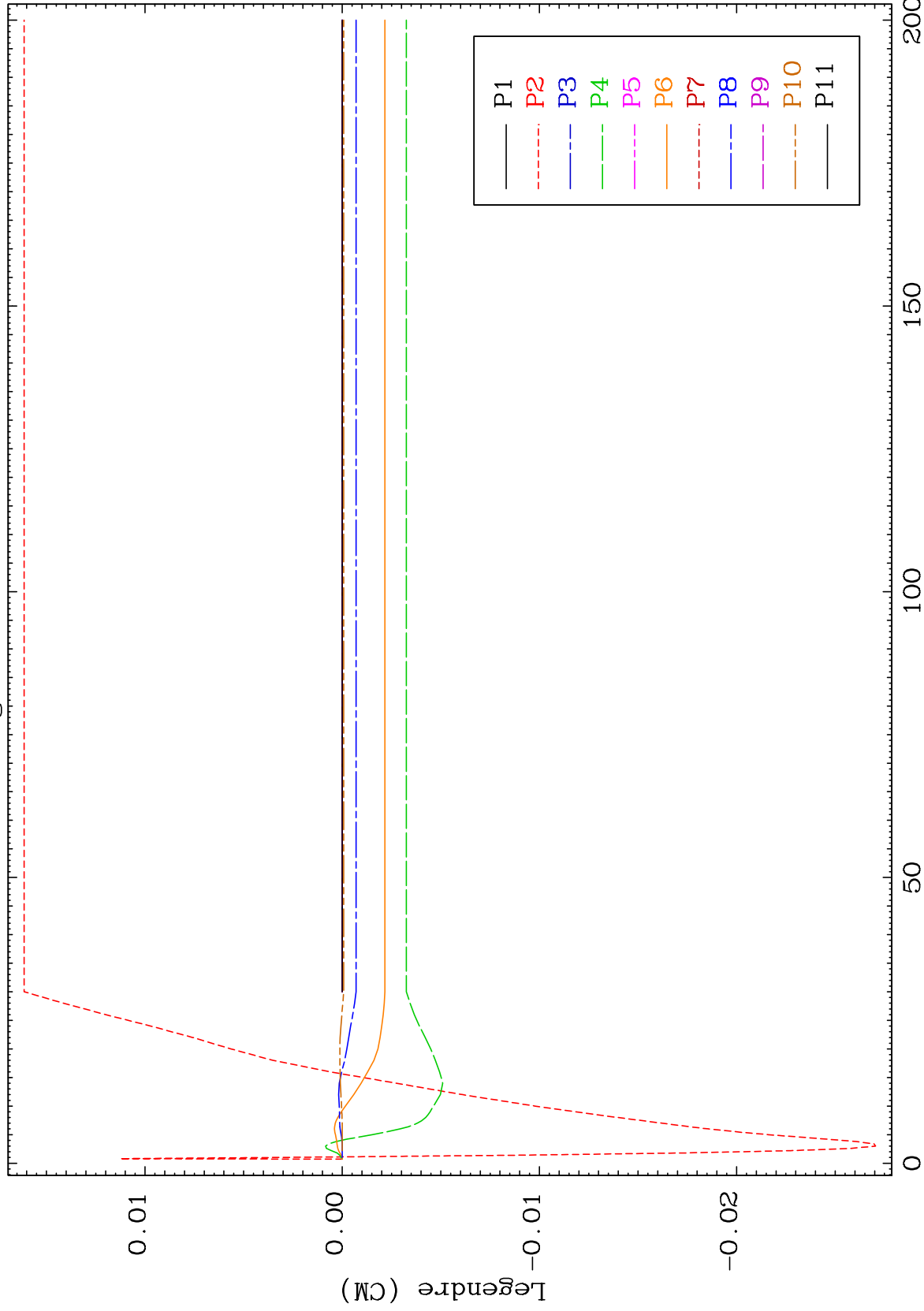
41-Nb-102



MAT 4152

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

41-Nb-102



72

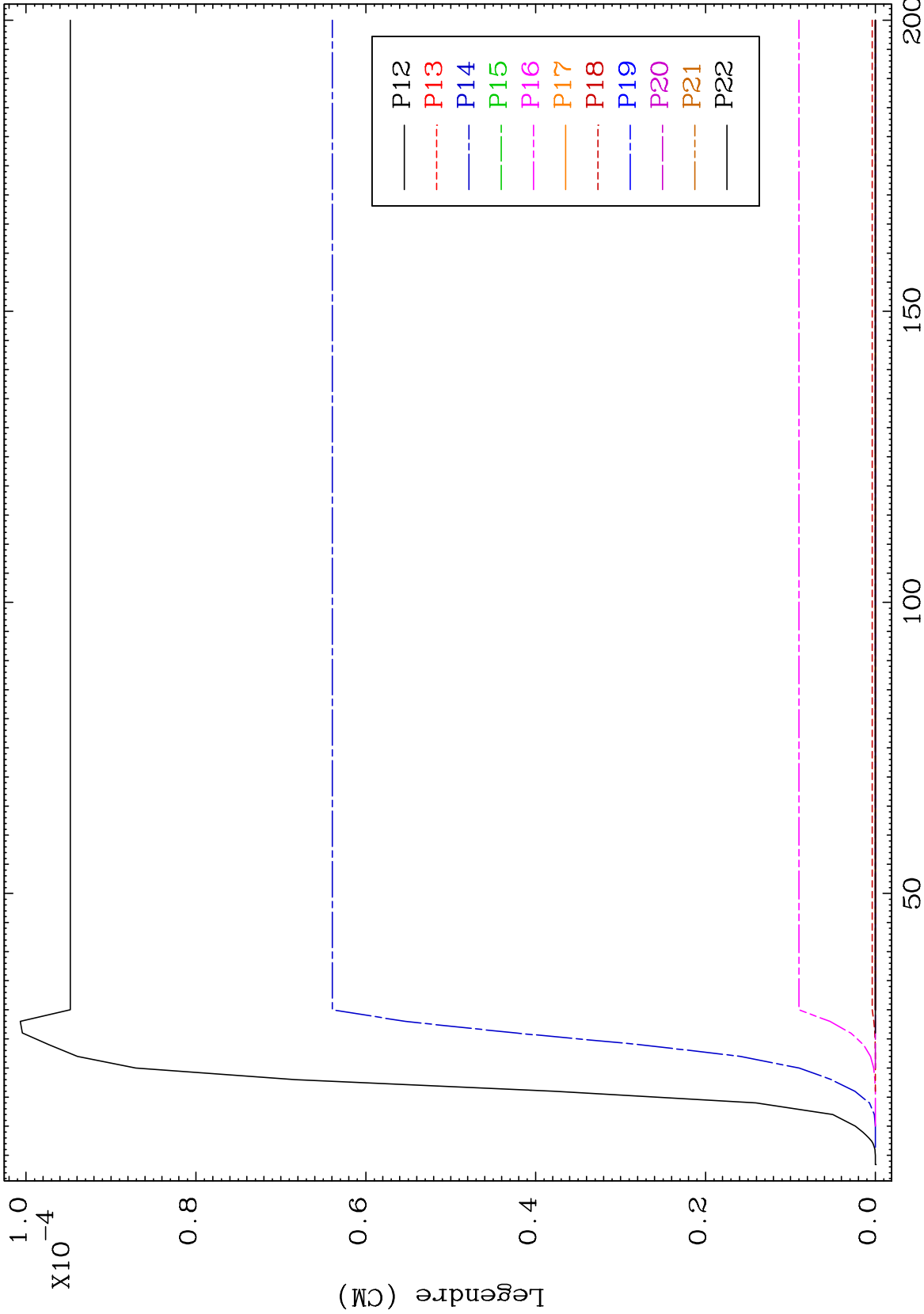
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



73

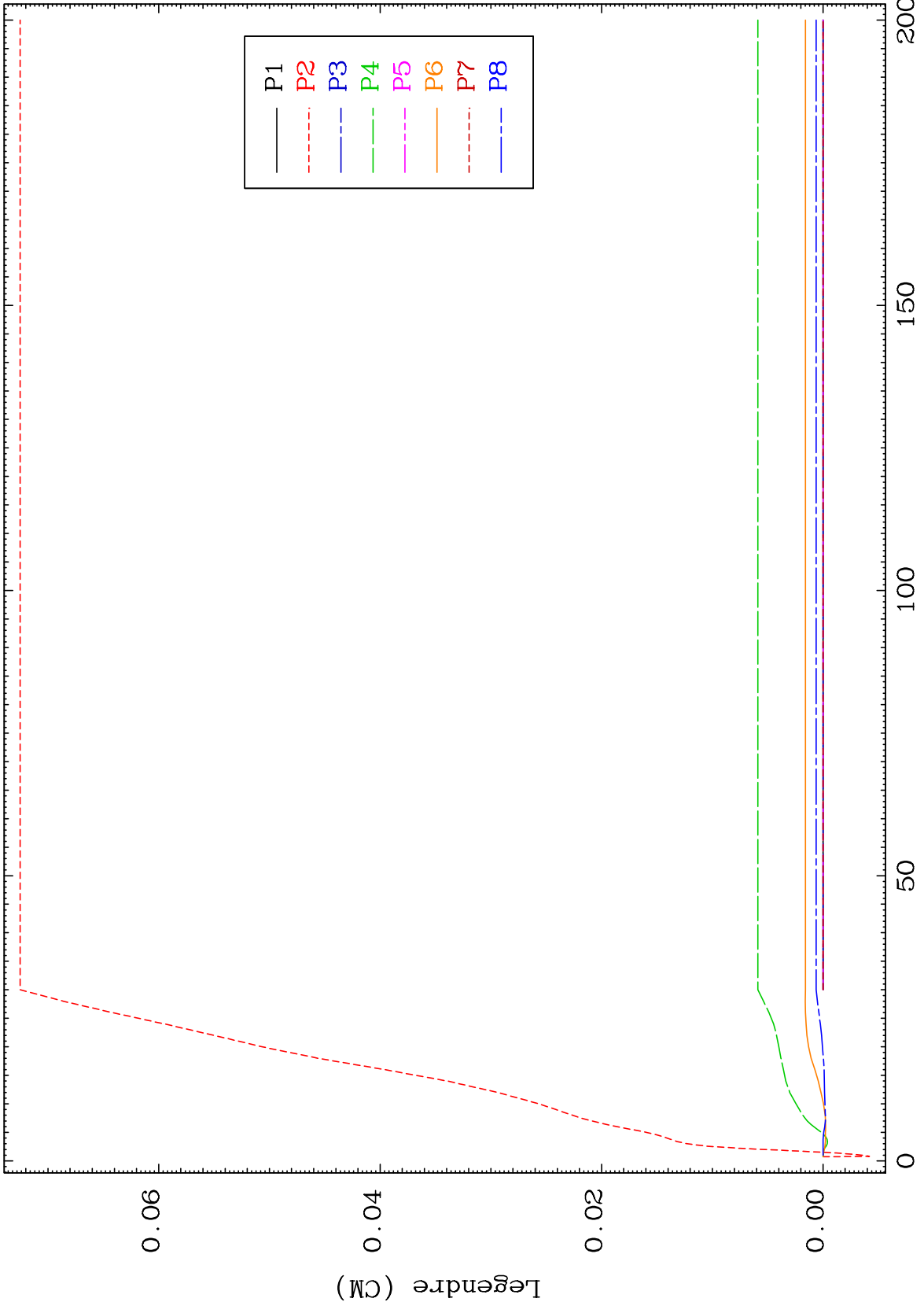
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



74

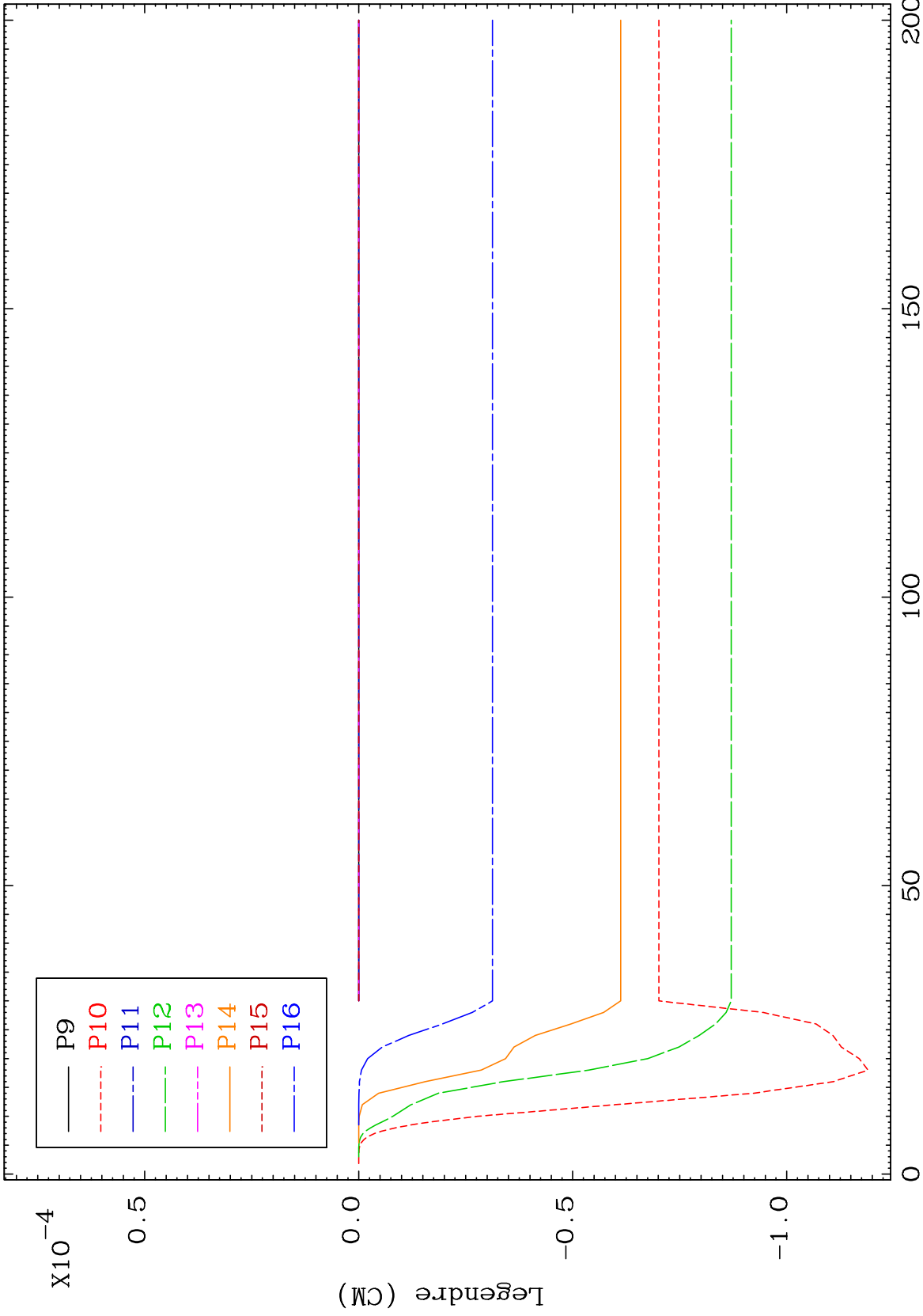
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



75

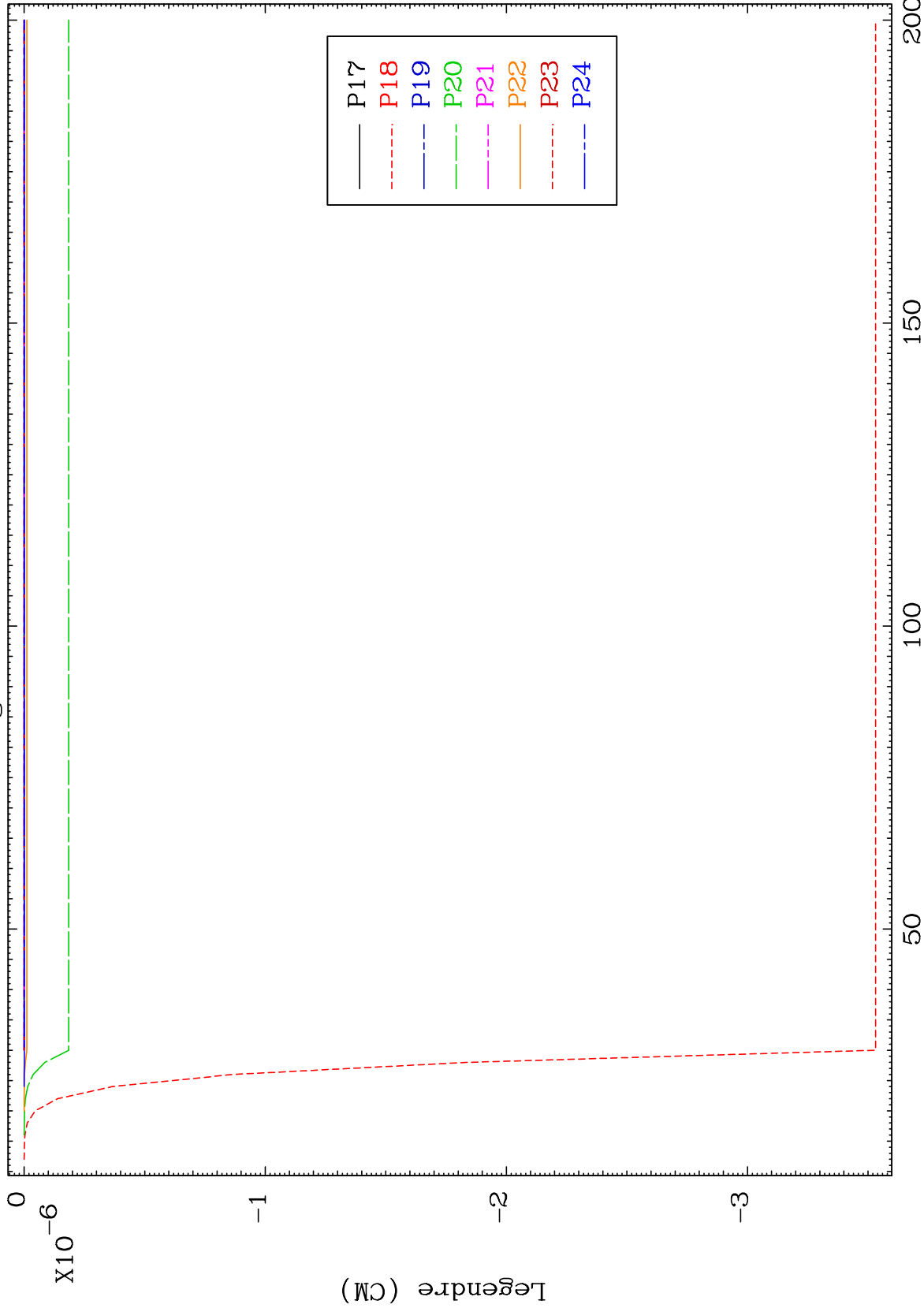
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



76

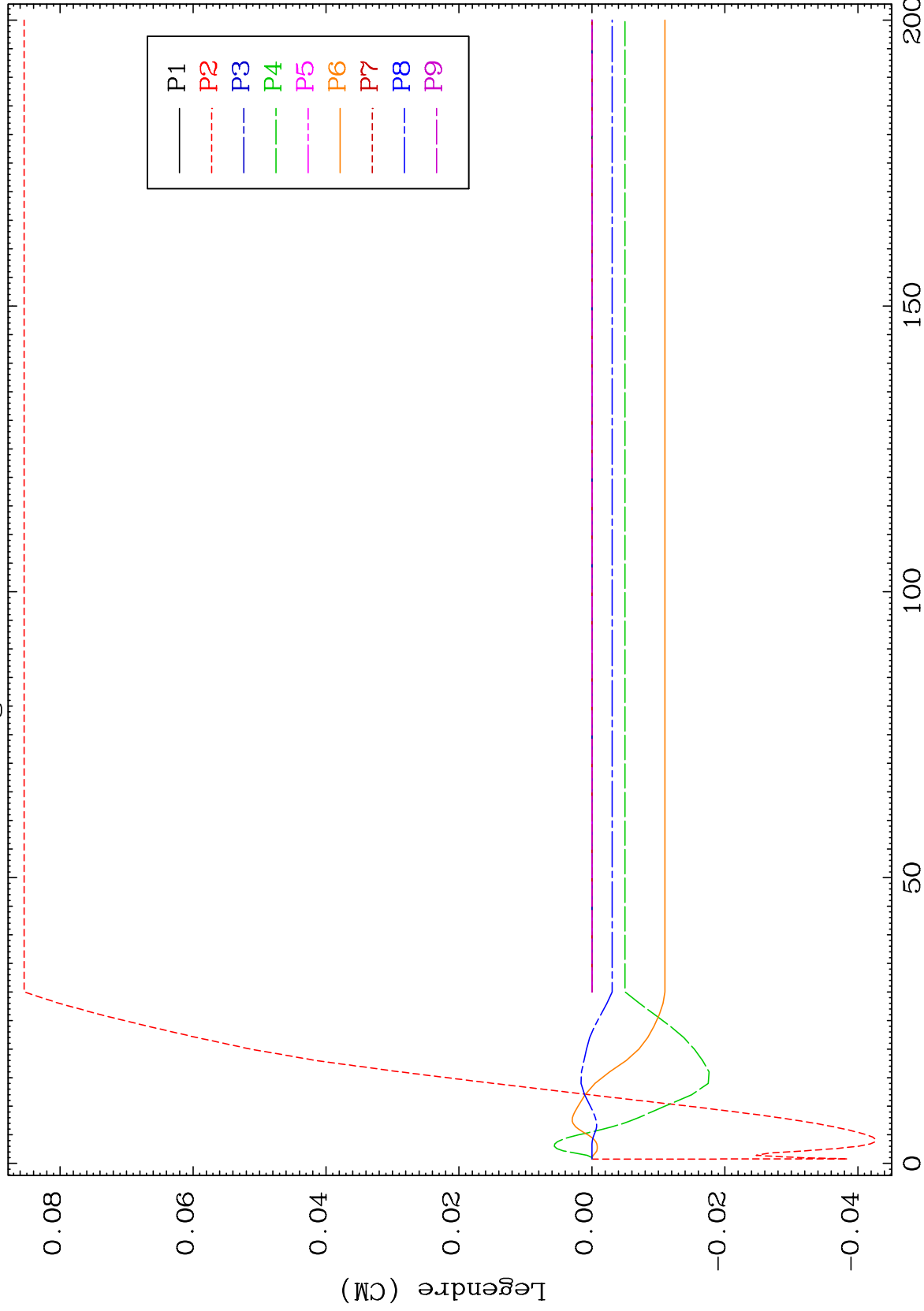
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



77

Incident Energy (MeV)

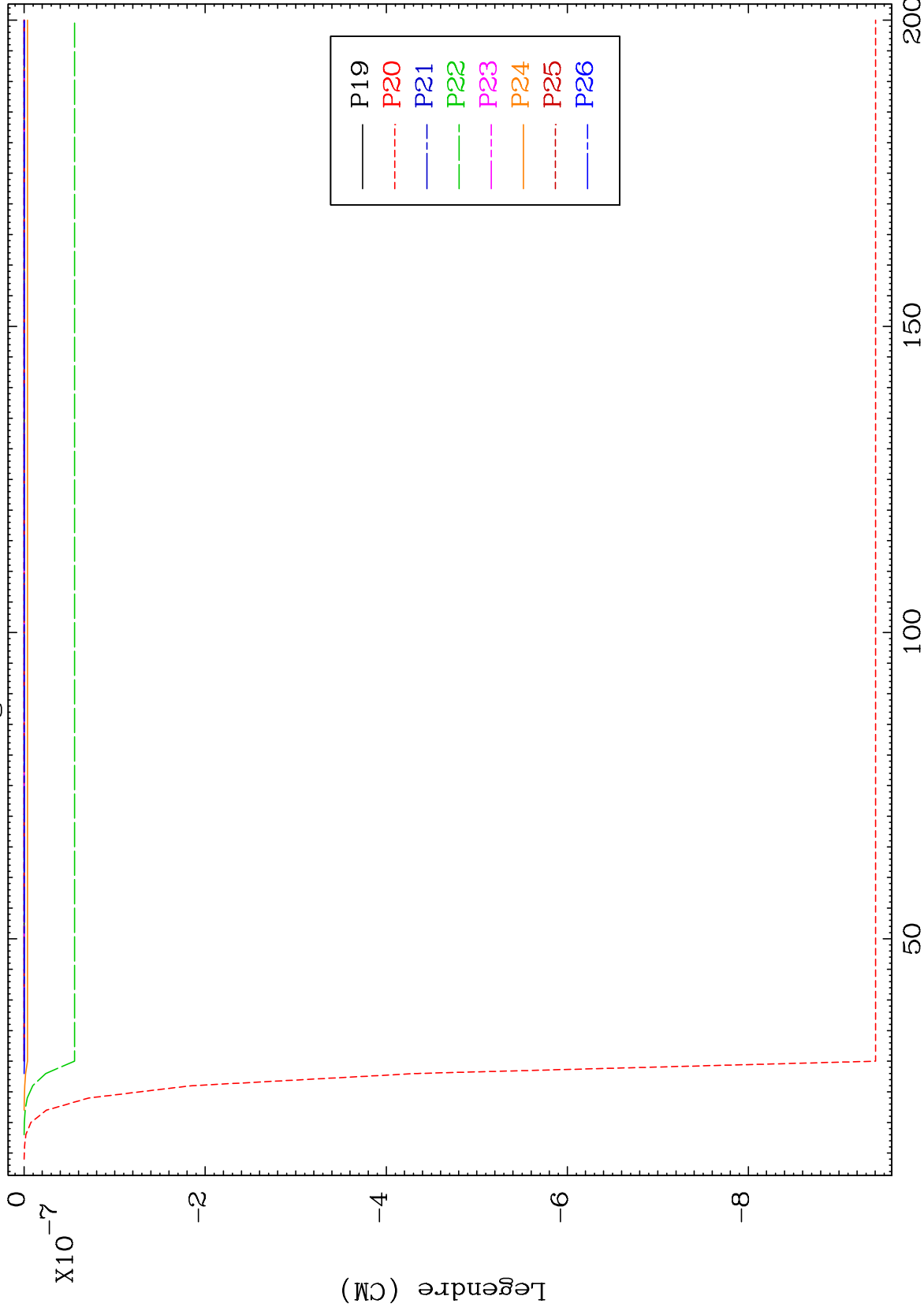
41-Nb-102



MAT 4152

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

41-Nb-102



79

Incident Energy (MeV)

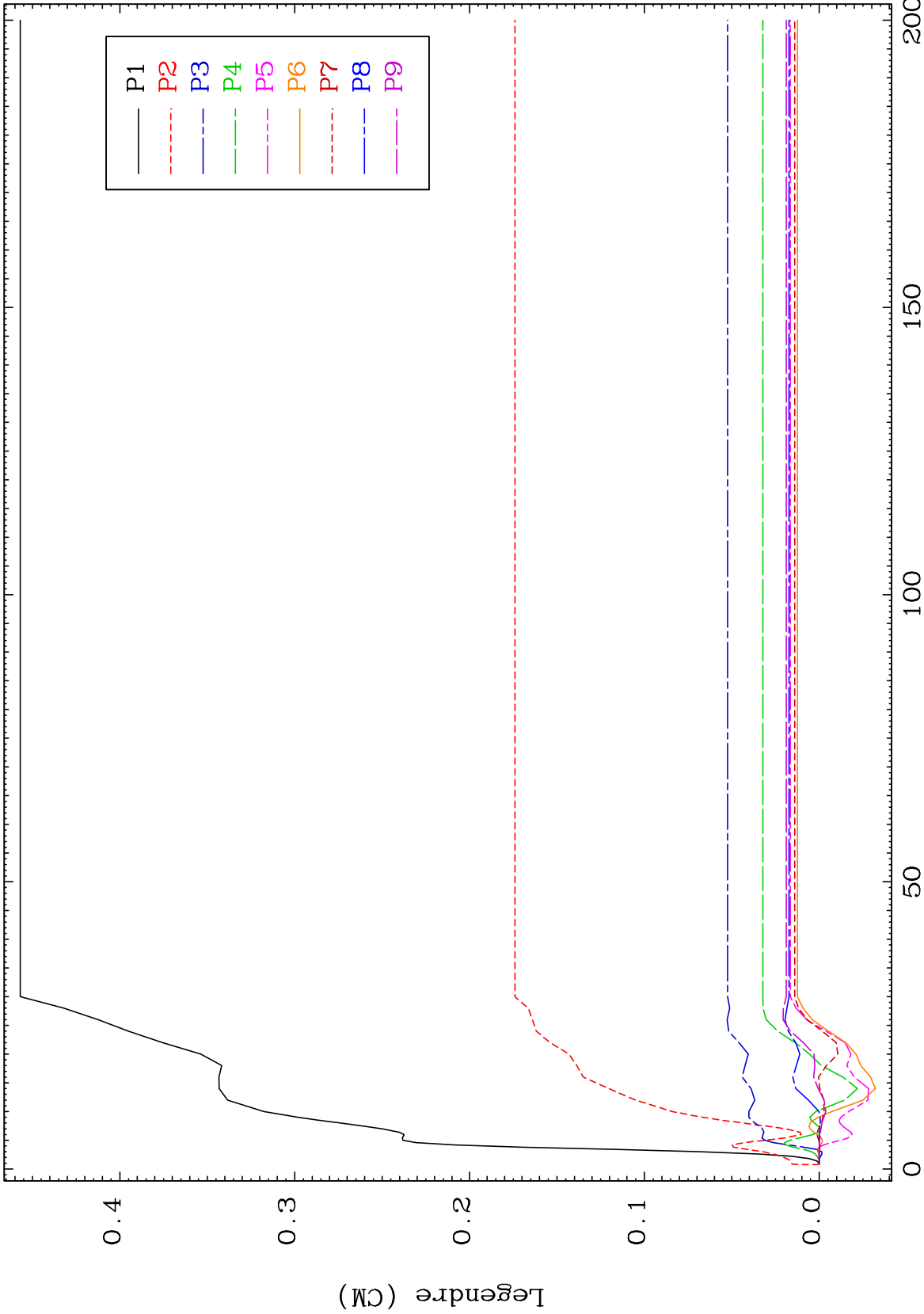
41-Nb-102



MAT 4152

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

41-Nb-102



80

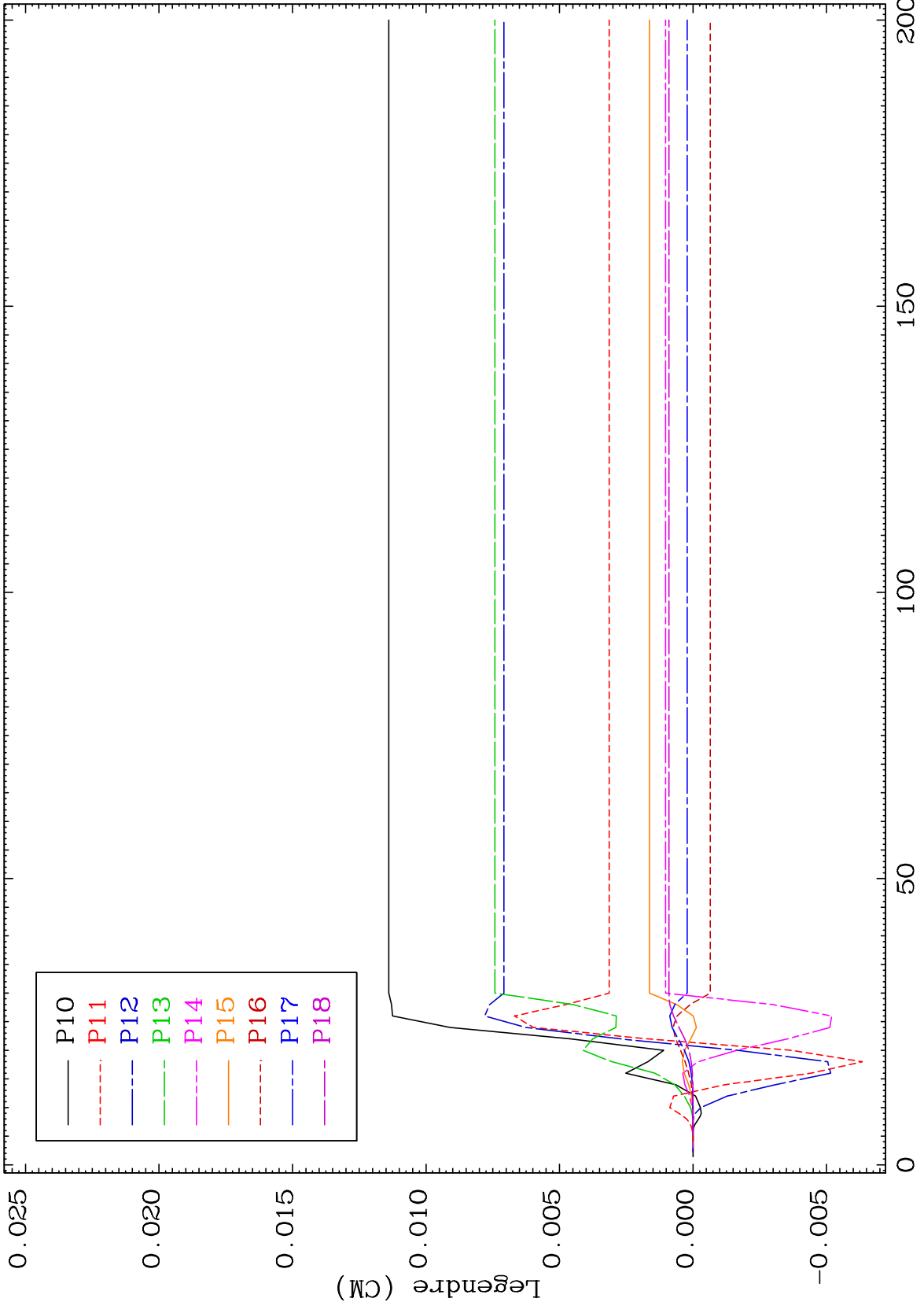
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



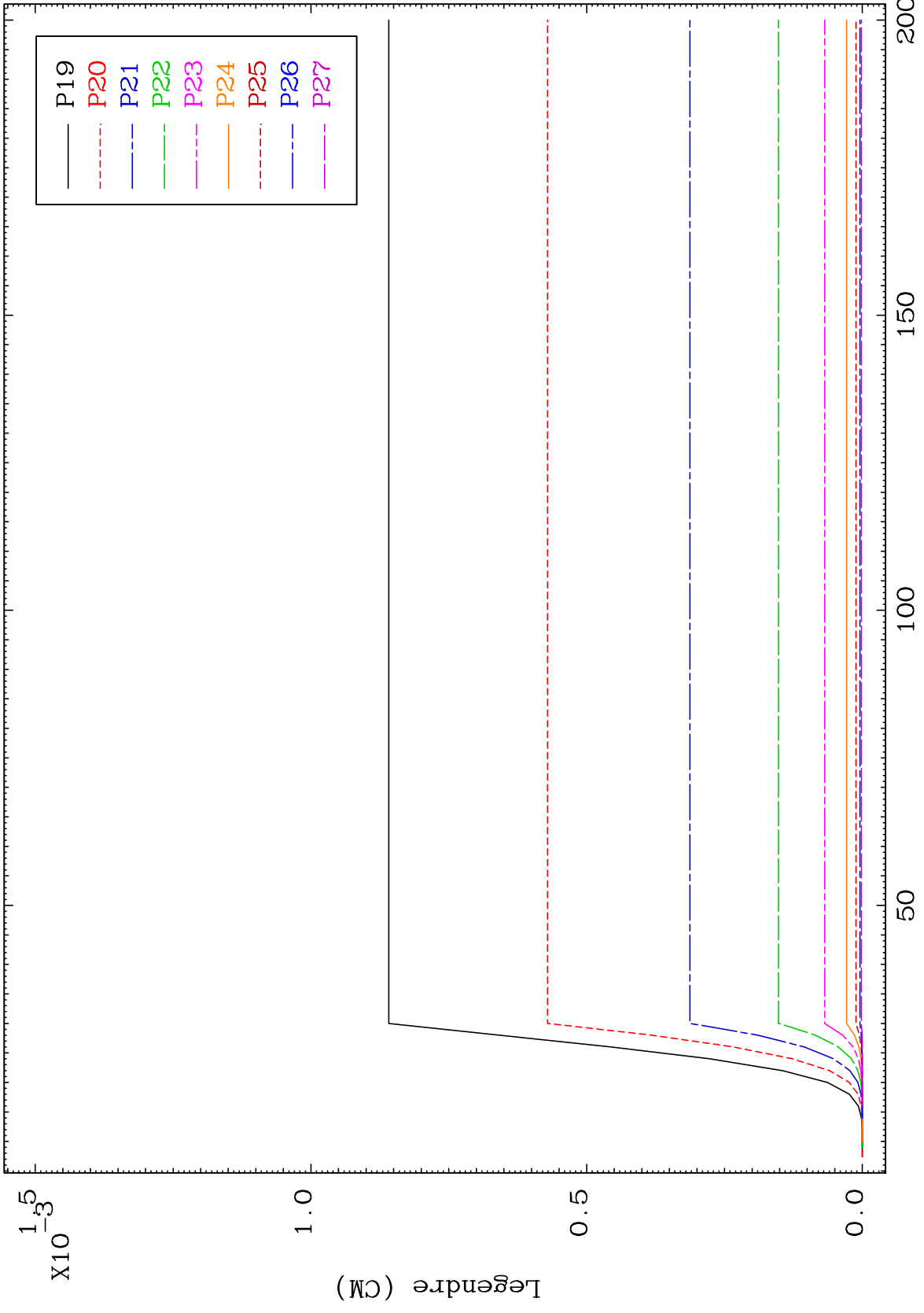
81

41-Nb-102

MAT 4152

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

41-Nb-102



82

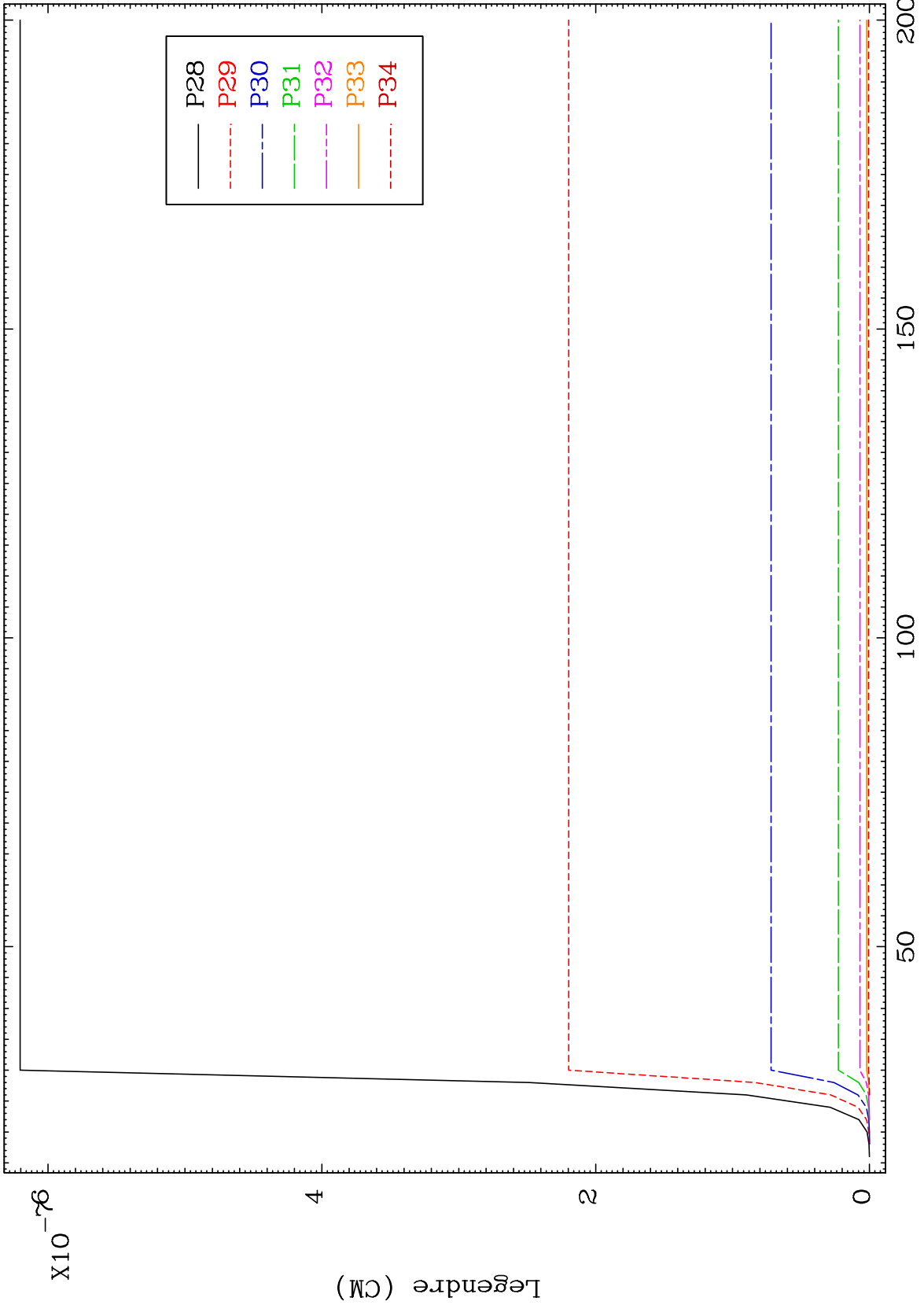
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



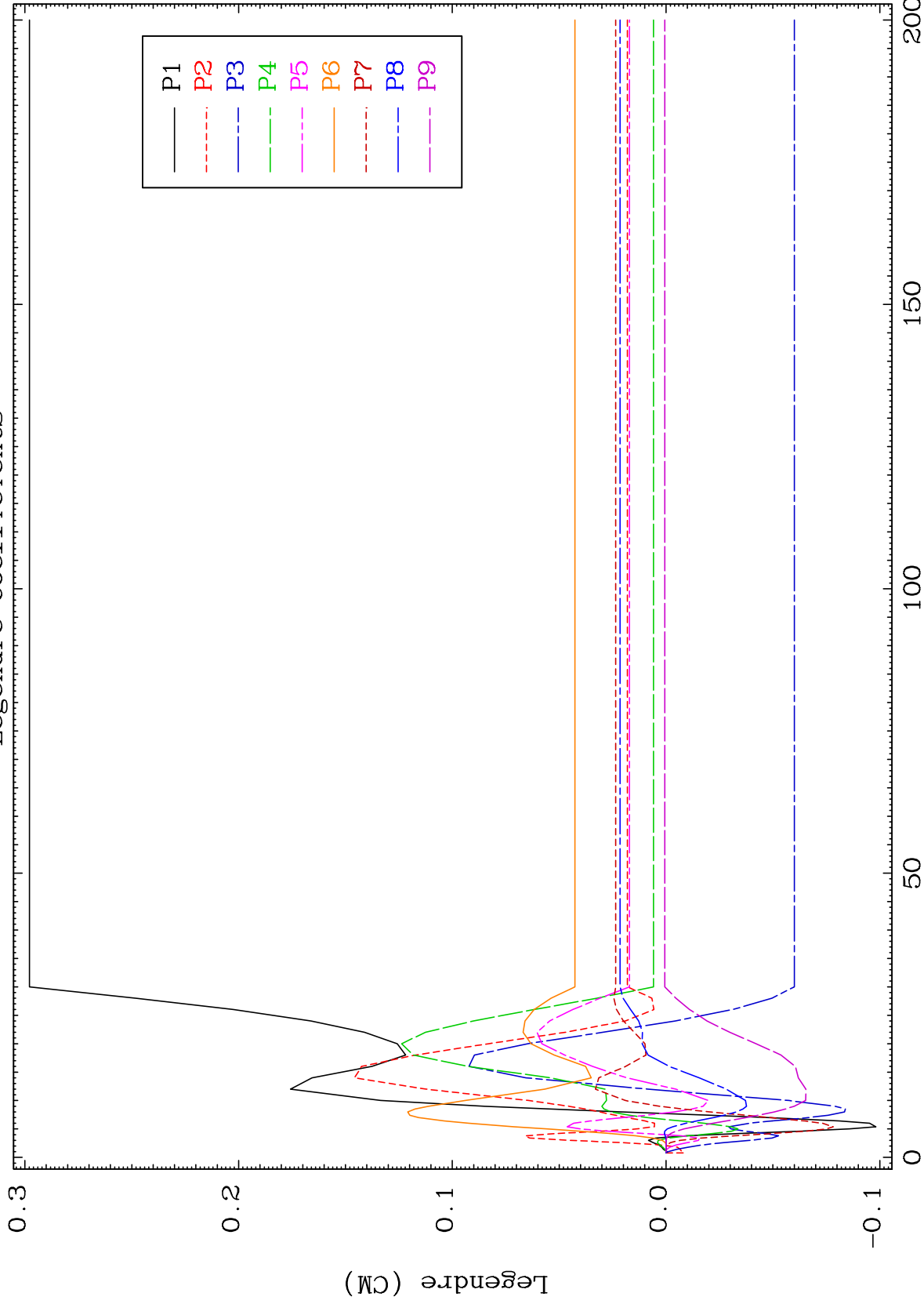
83

41-Nb-102

MAT 4152

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

41-Nb-102



84

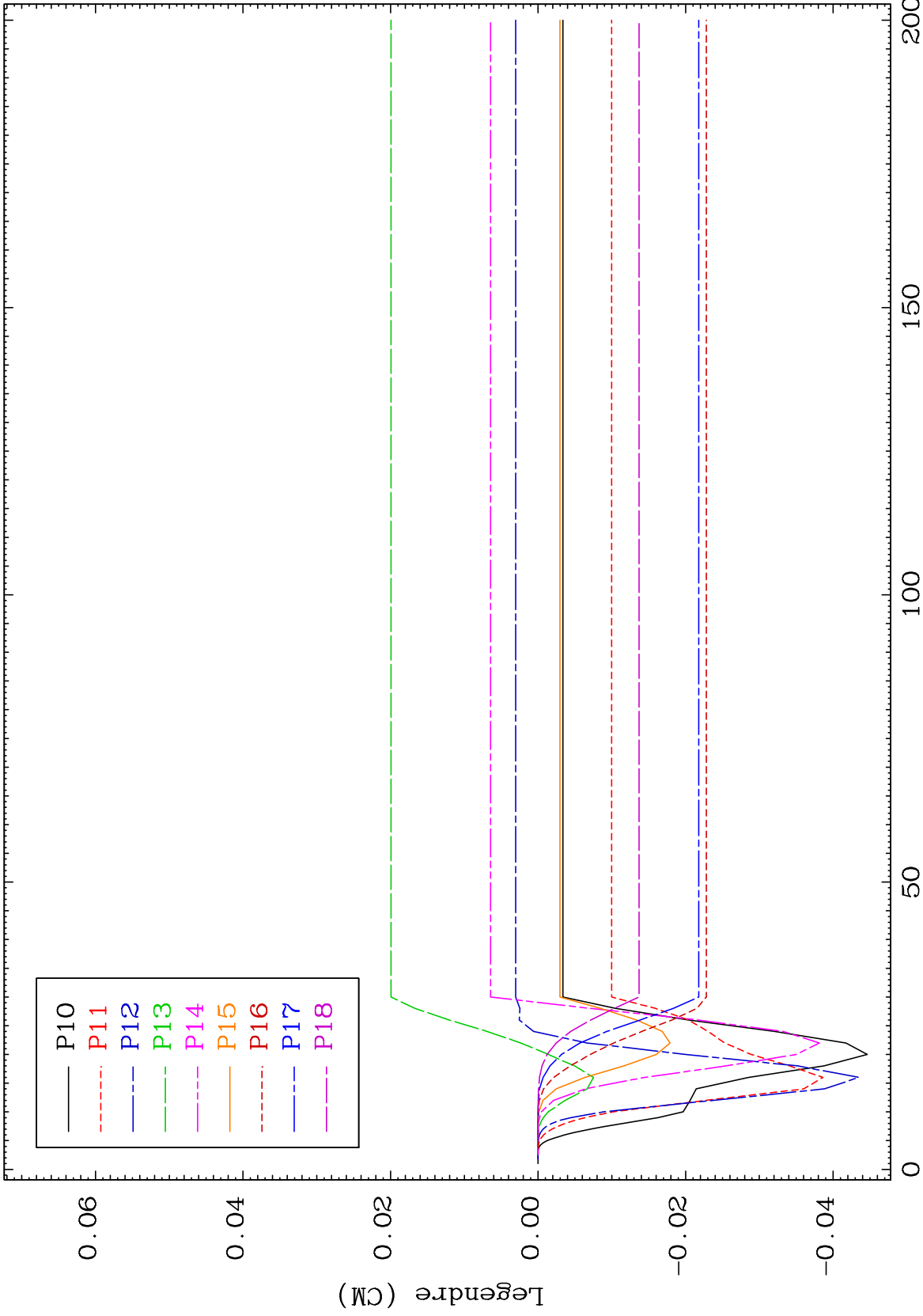
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

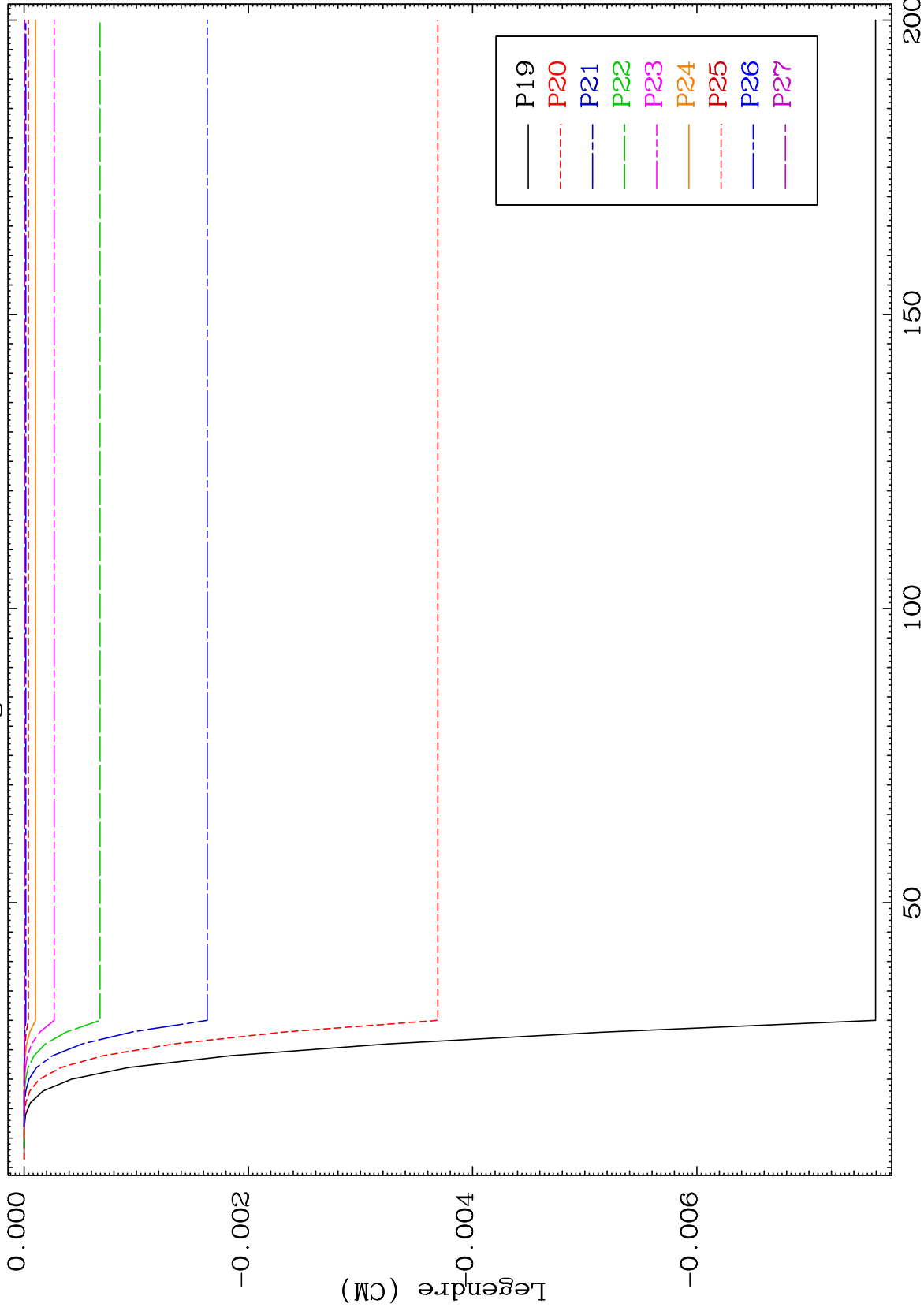
41-Nb-102



85

Incident Energy (MeV)

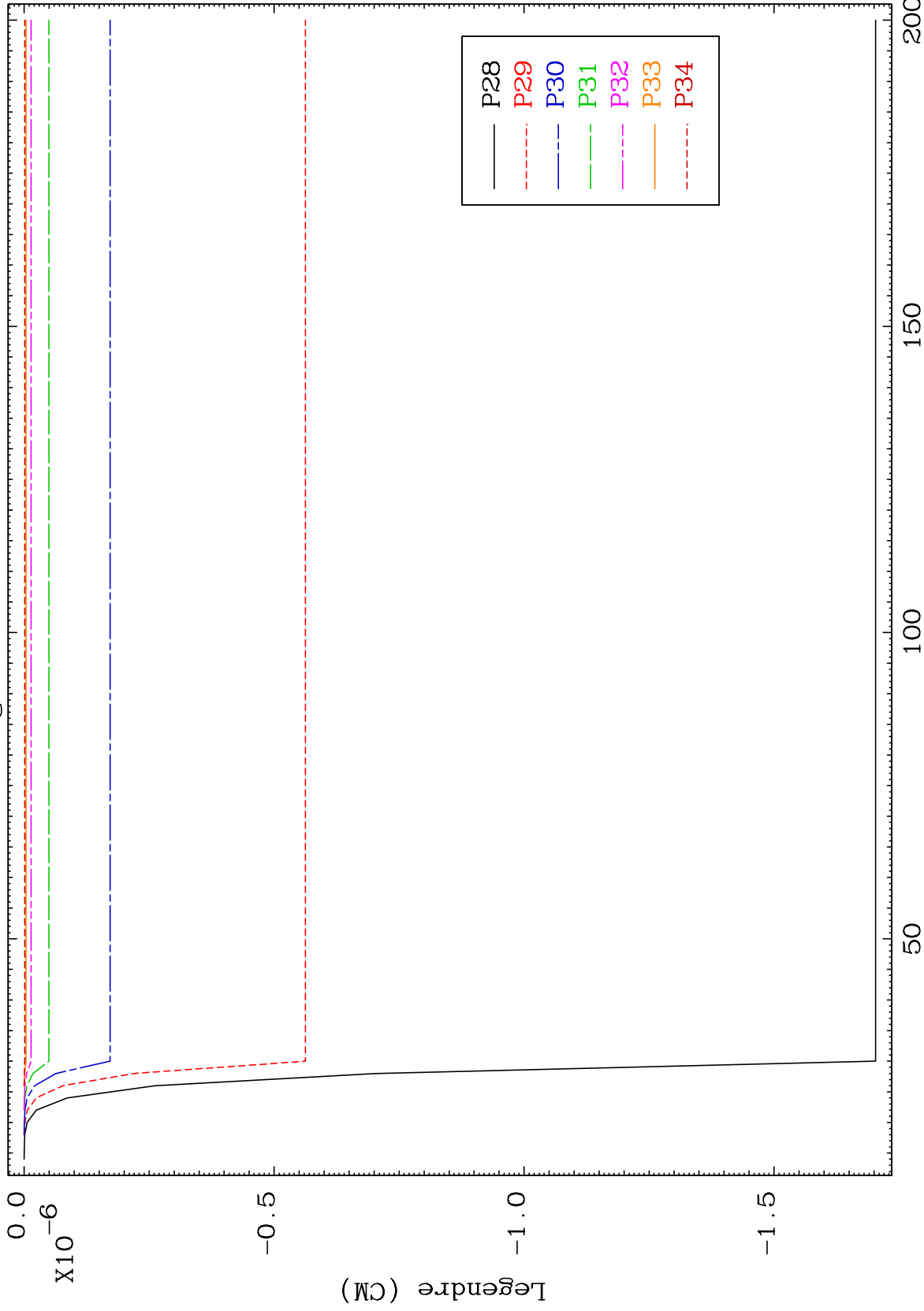
41-Nb-102



MAT 4152

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

41-Nb-102



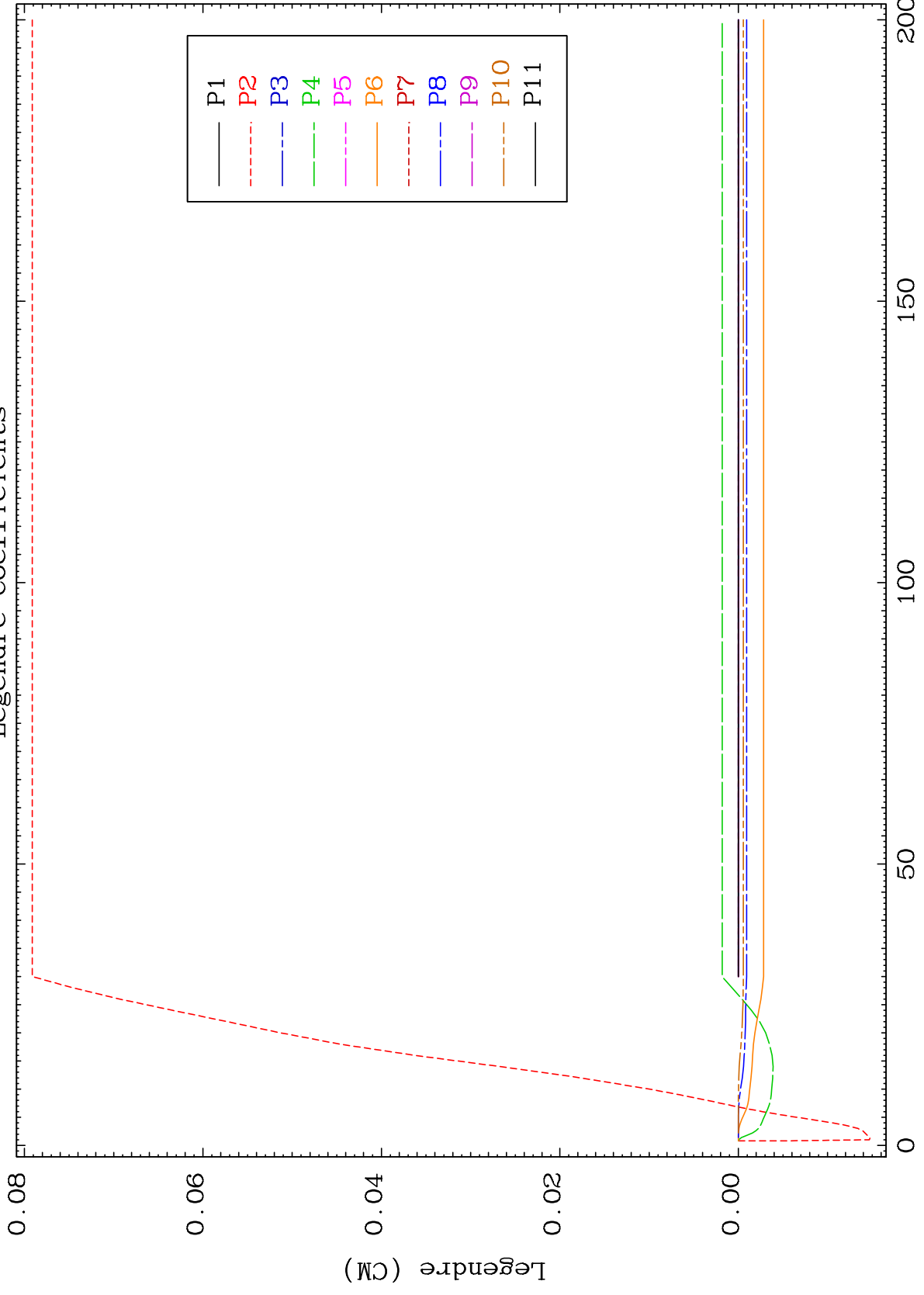
41-Nb-102

Incident Energy (MeV)

87



MAT 4152 MT= 71 (n,n') Level Legendre Coefficients 41-Nb-102

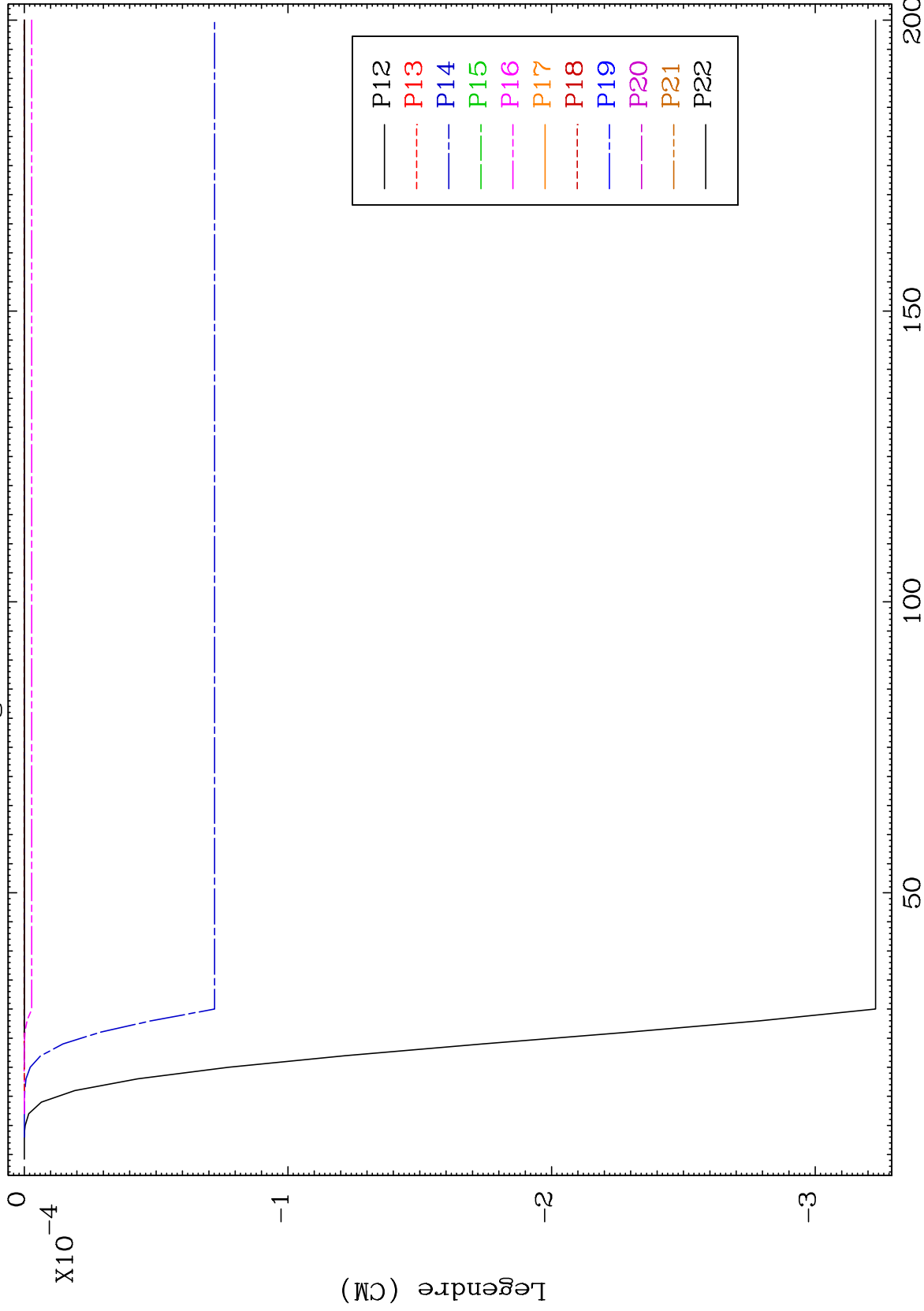


88 41-Nb-102

MAT 4152

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

41-Nb-102



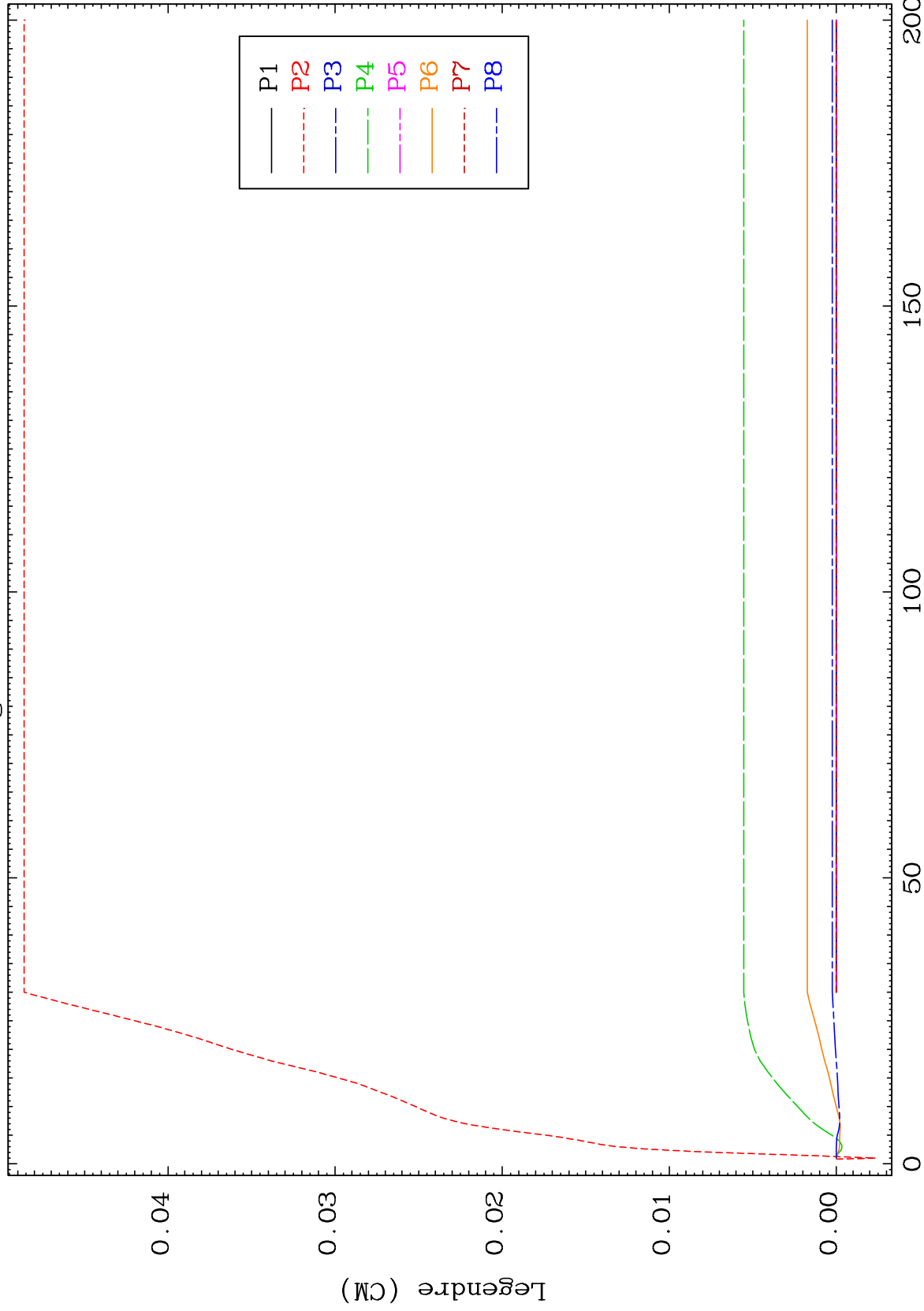
89

41-Nb-102

MAT 4152

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

41-Nb-102



90

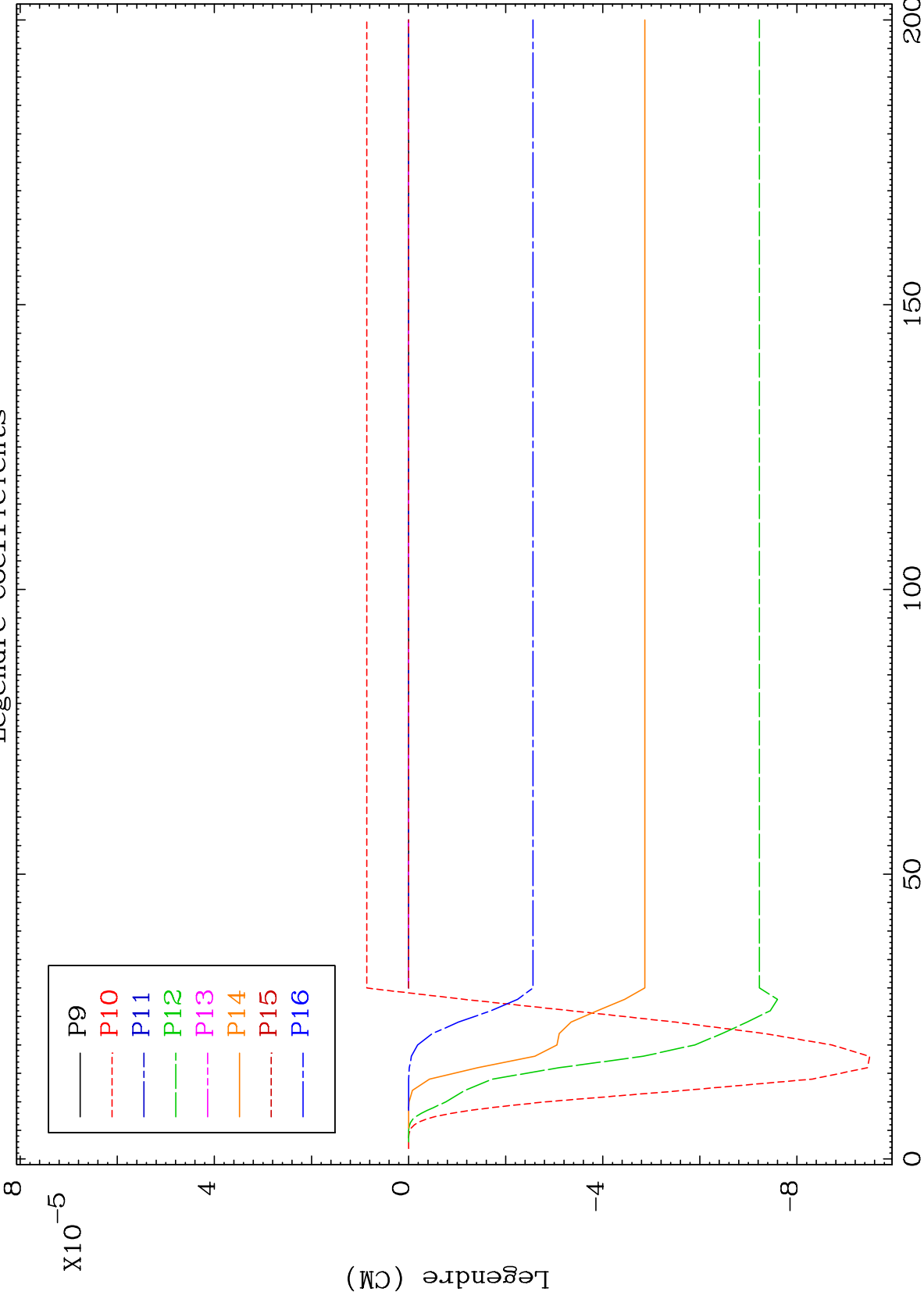
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



91

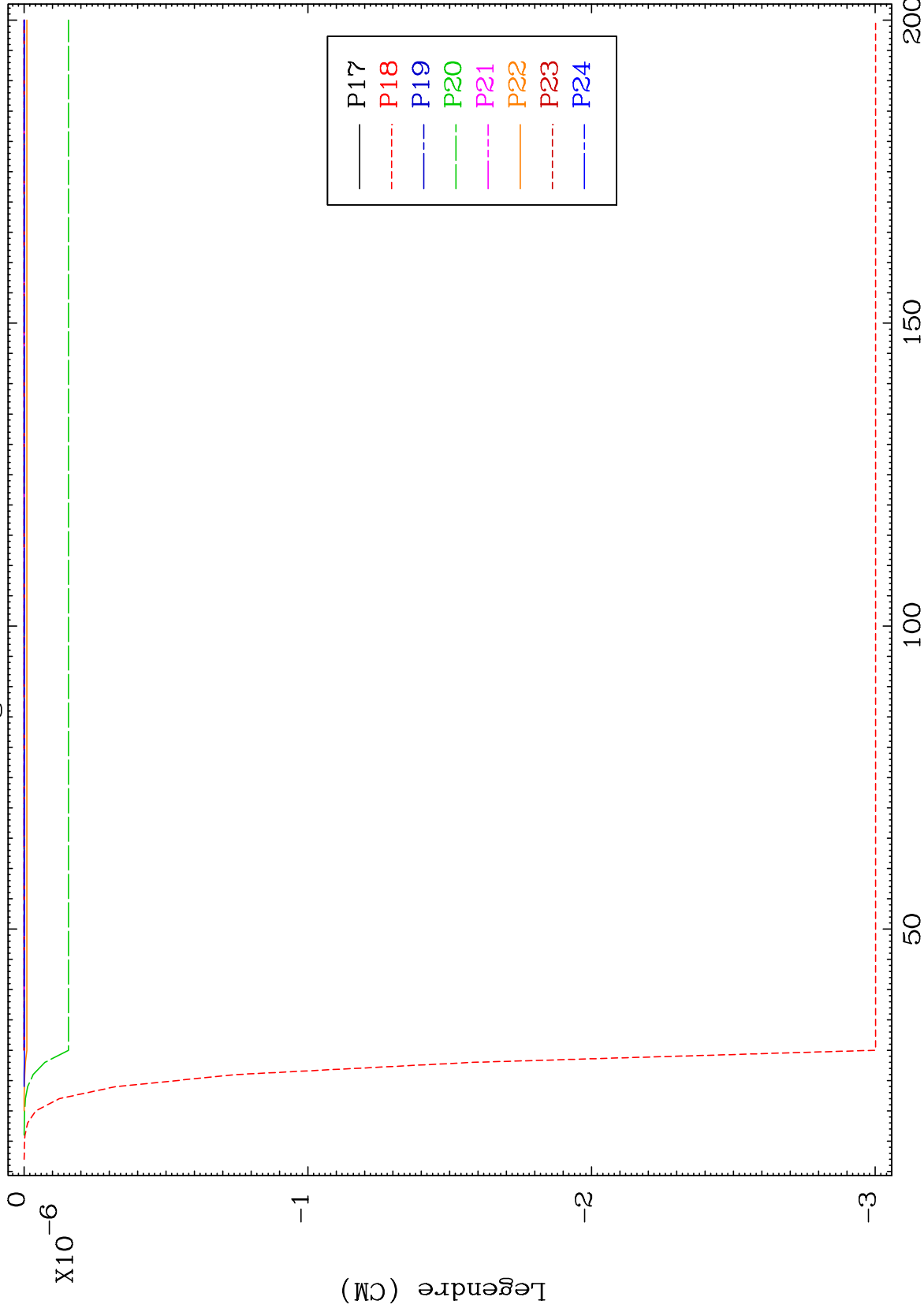
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



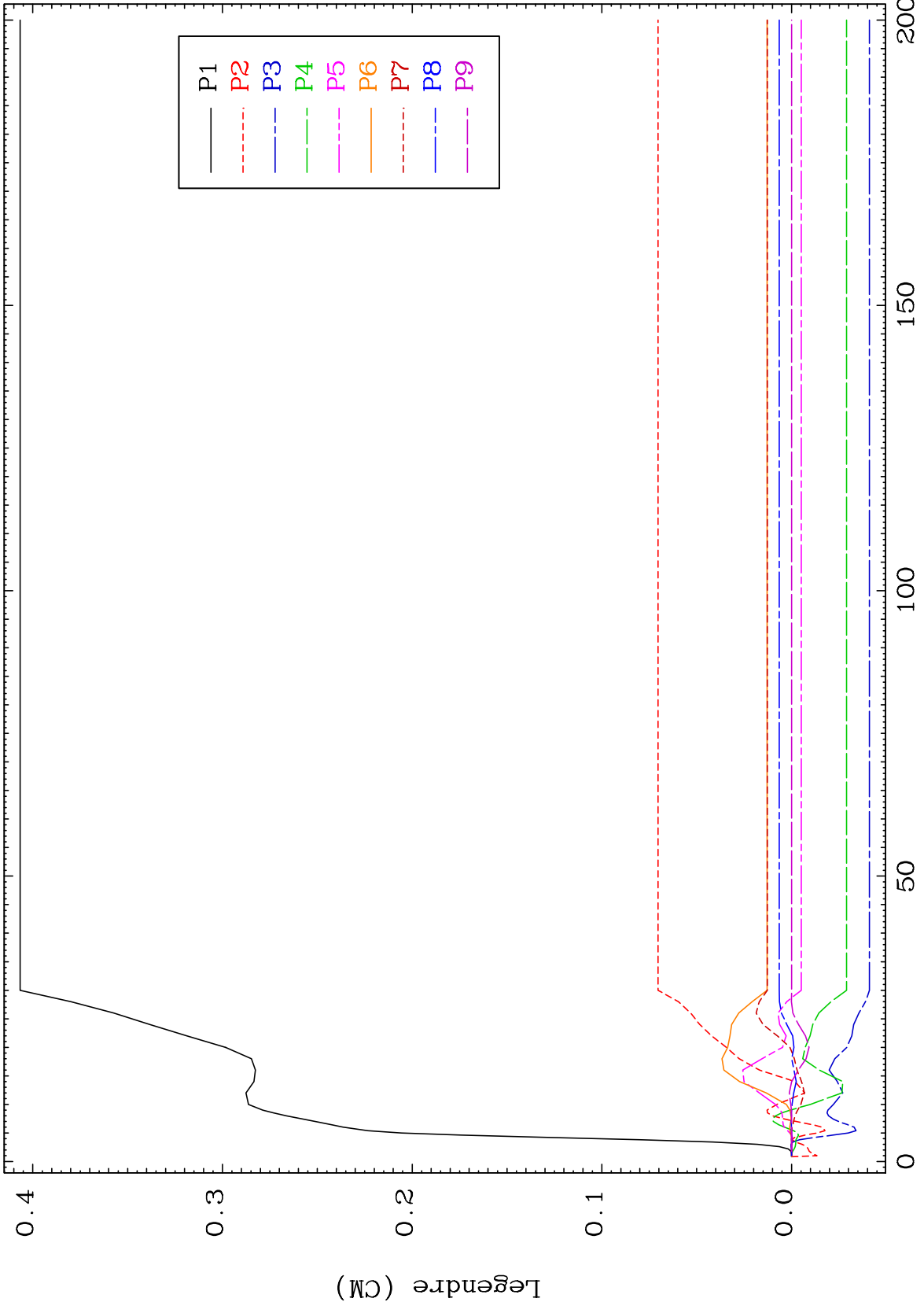
92

41-Nb-102

MAT 4152

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

41-Nb-102



93

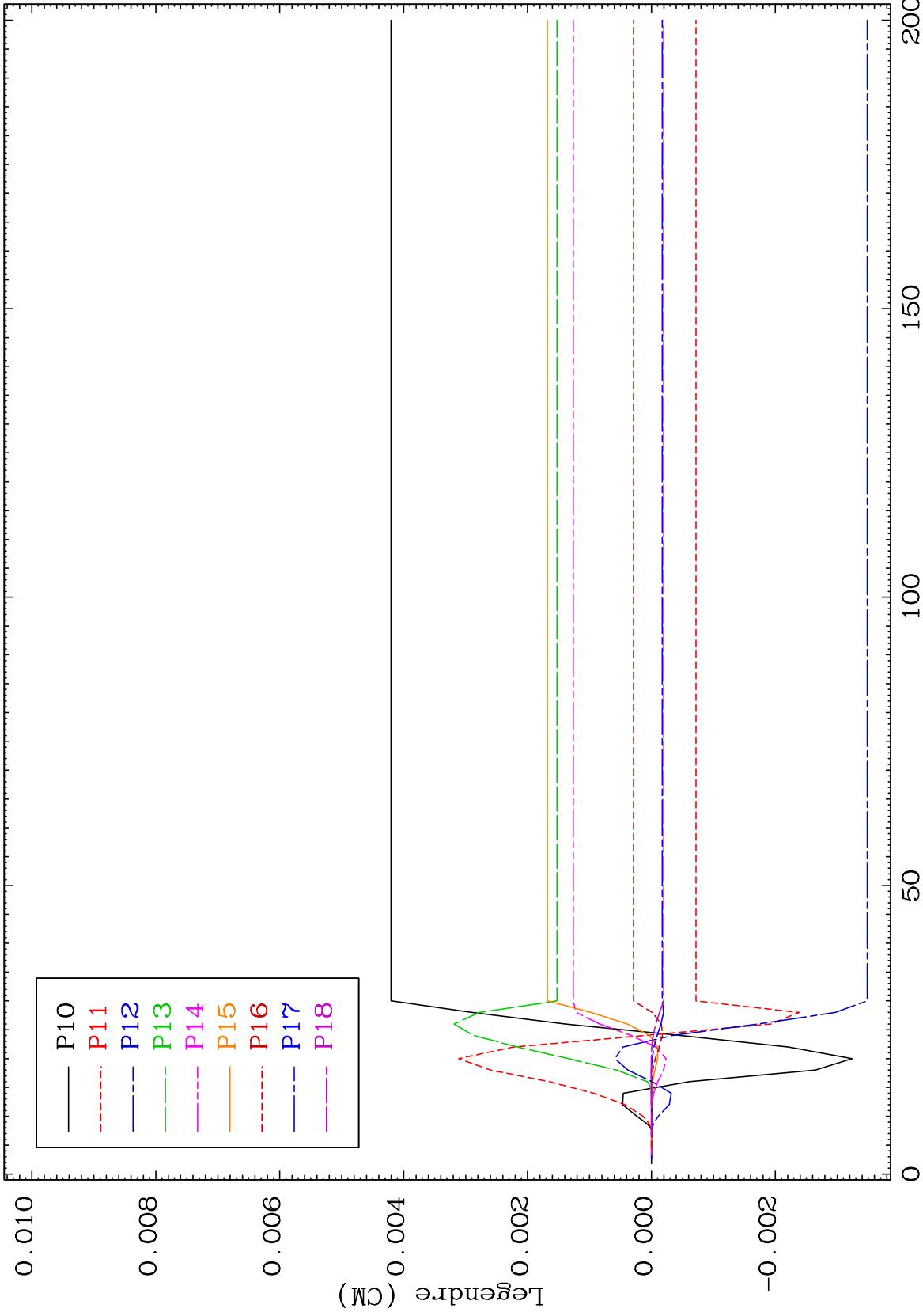
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



94

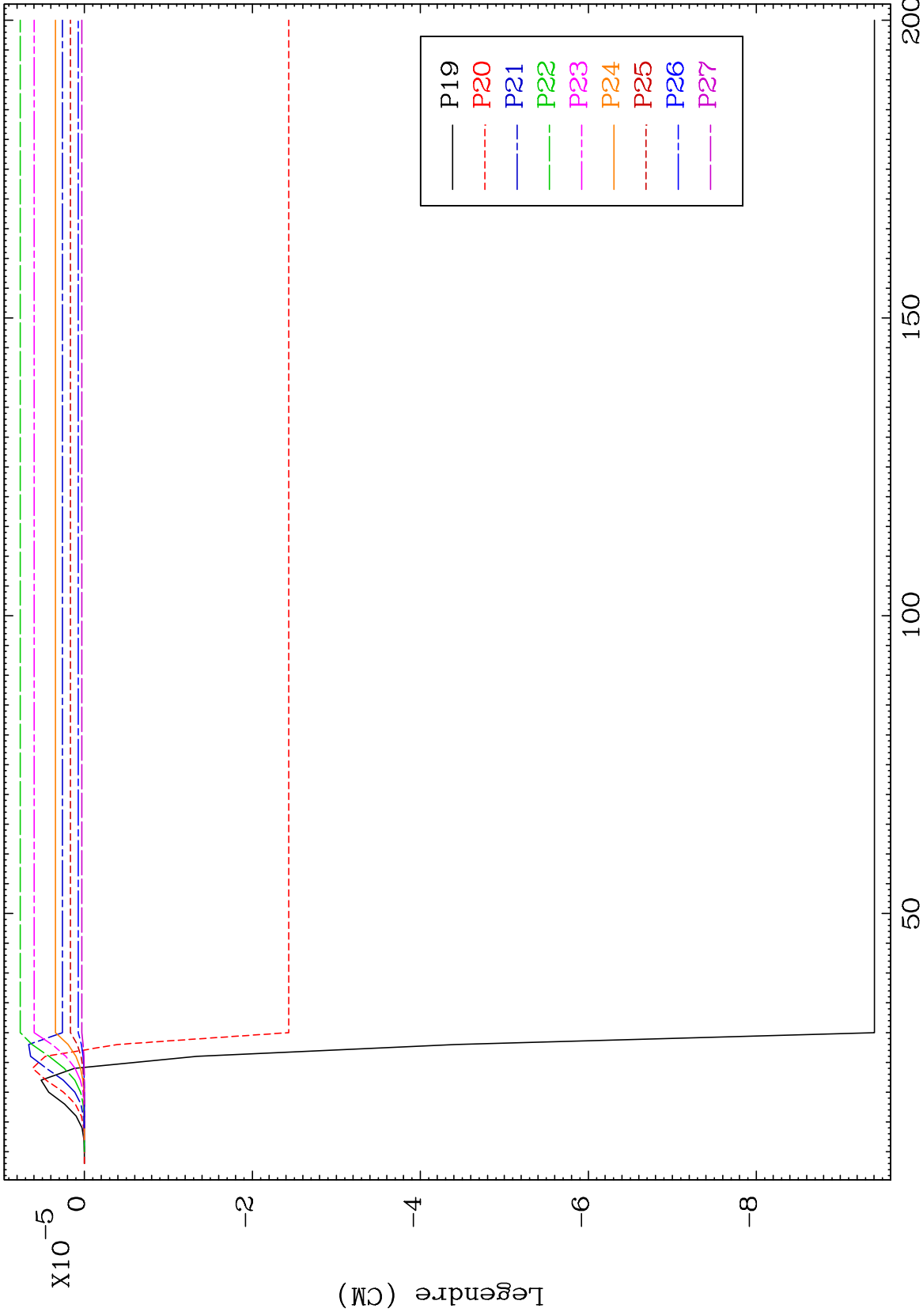
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



95

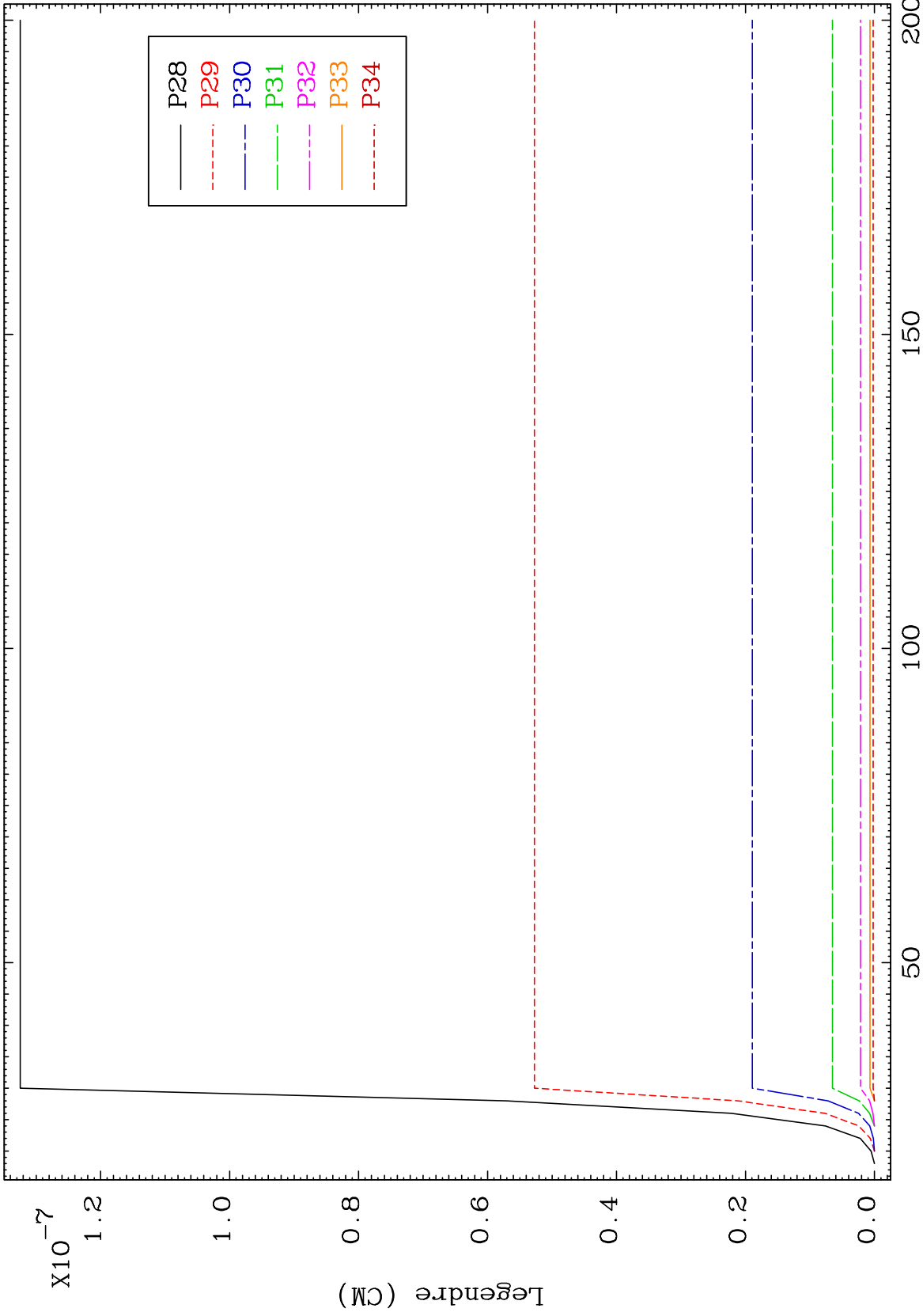
41-Nb-102



MAT 4152

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

41-Nb-102



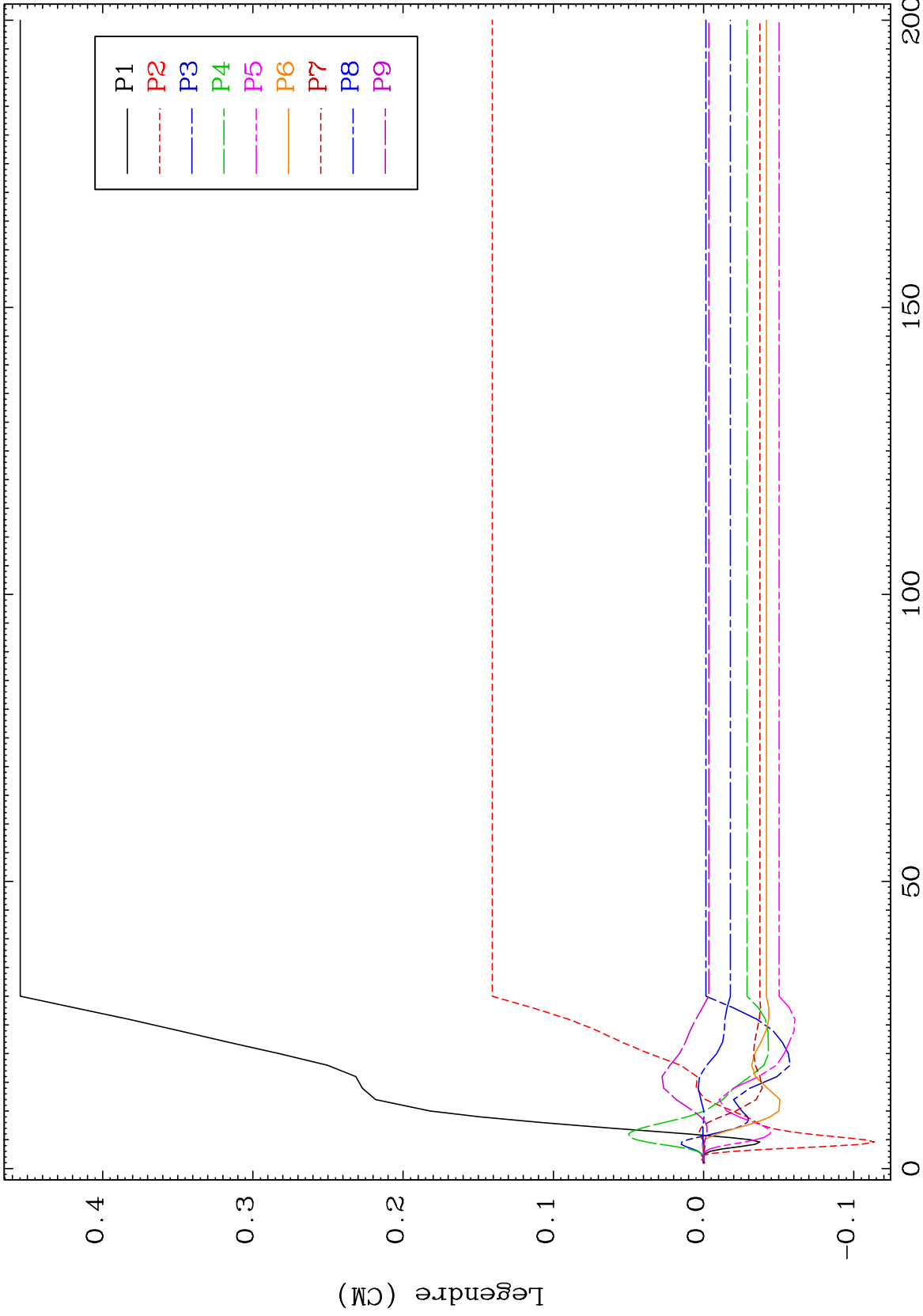
96

41-Nb-102

MAT 4152

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

41-Nb-102



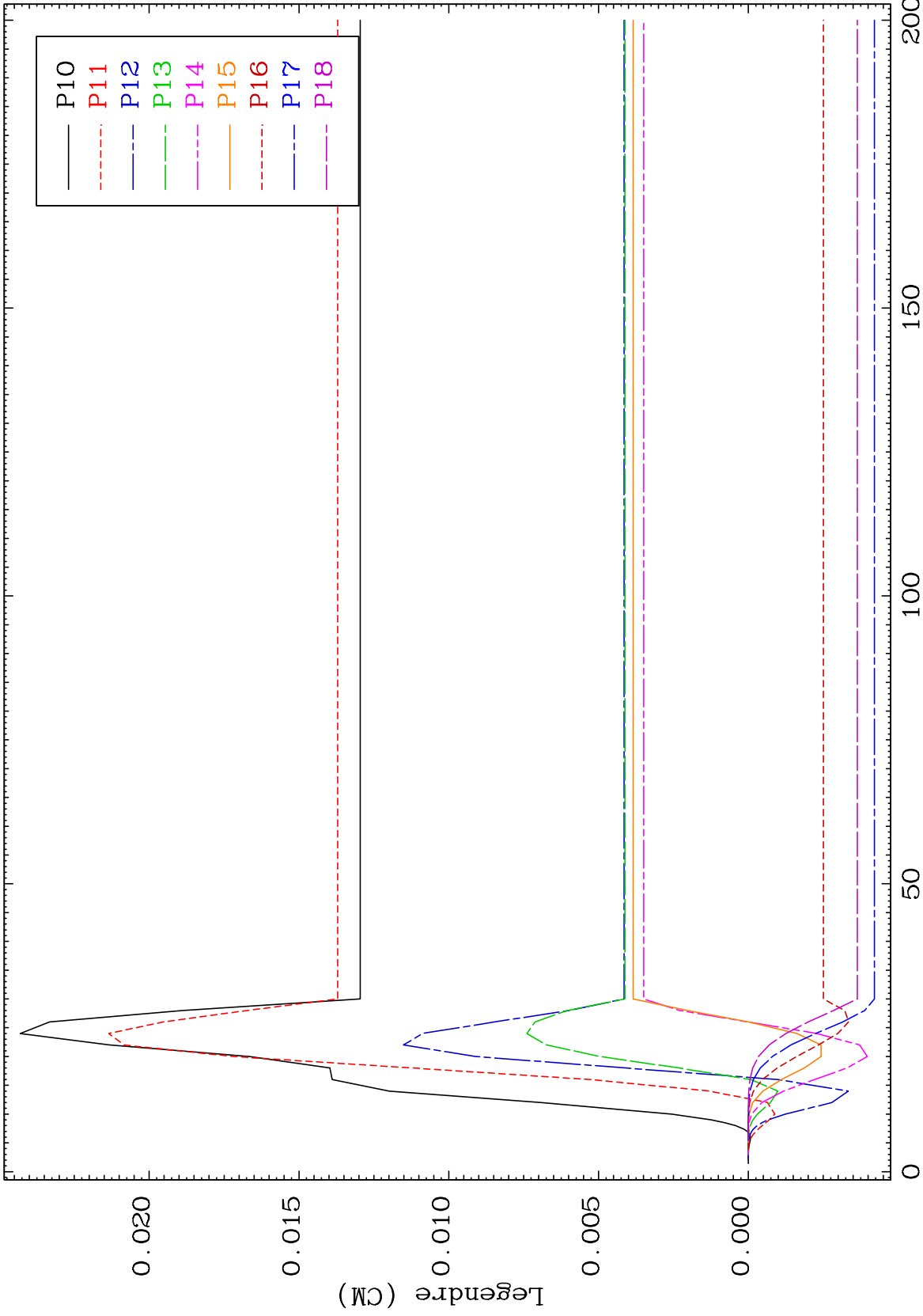
97

41-Nb-102

MAT 4152

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

41-Nb-102



98

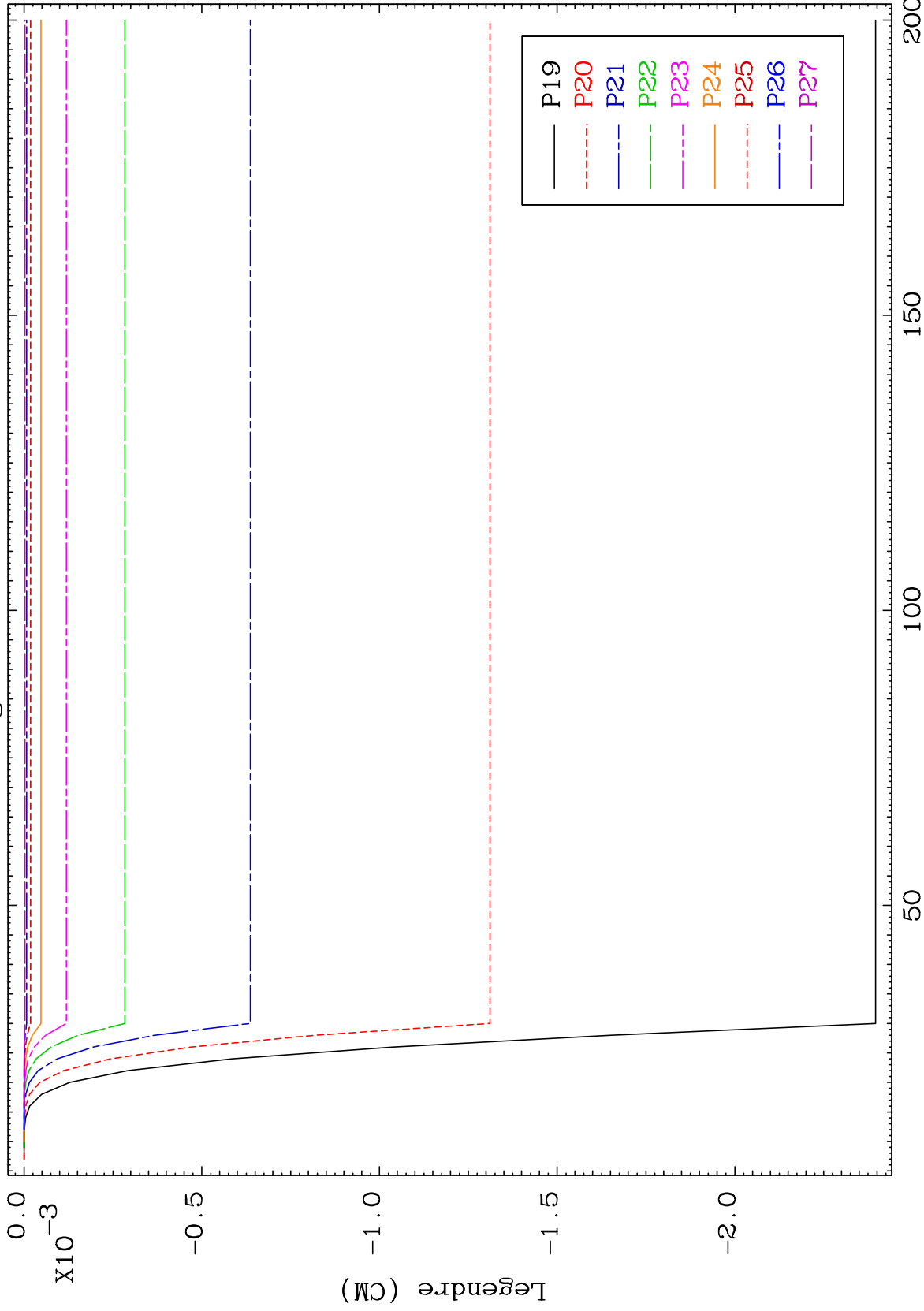
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



99

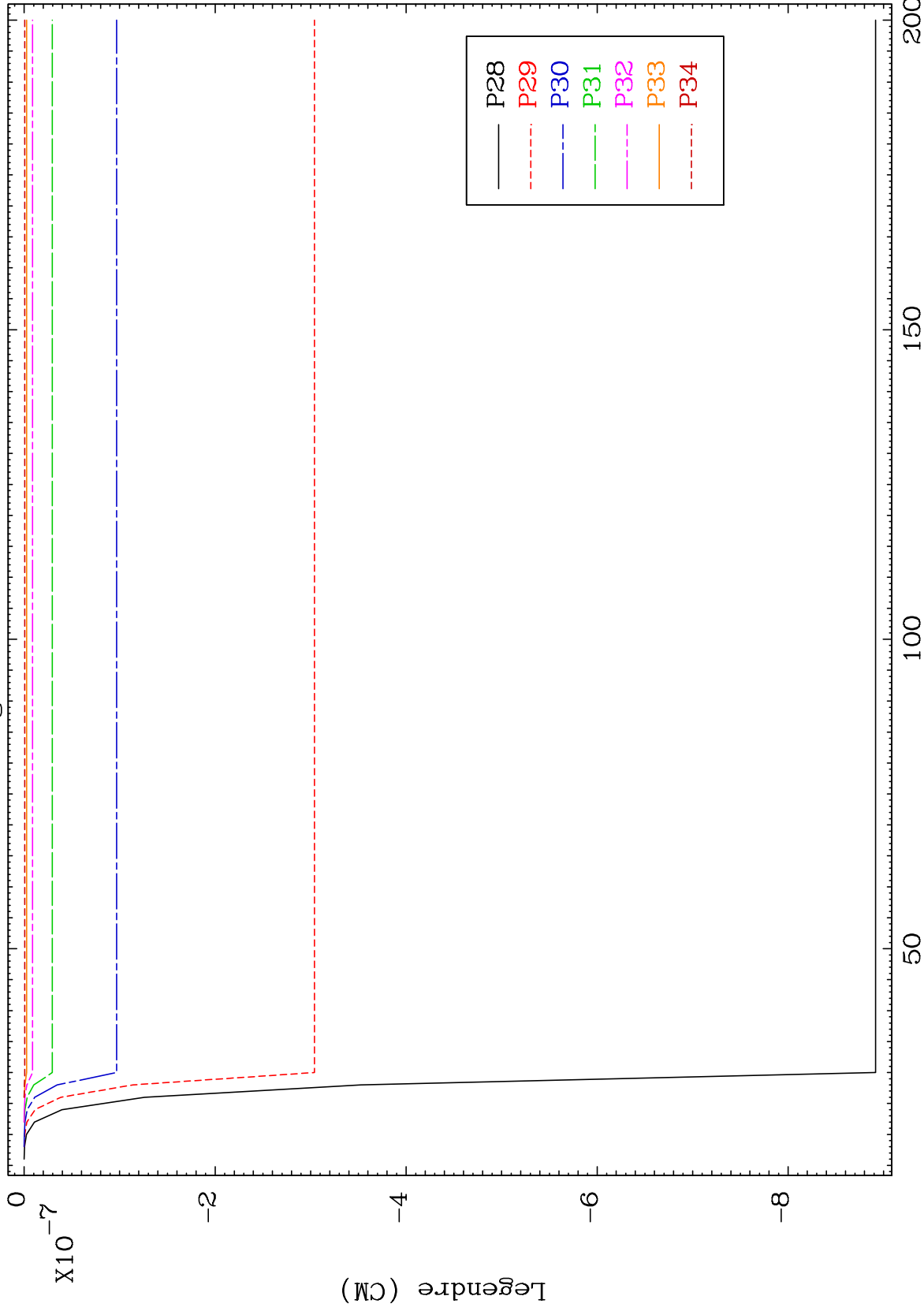
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



41-Nb-102

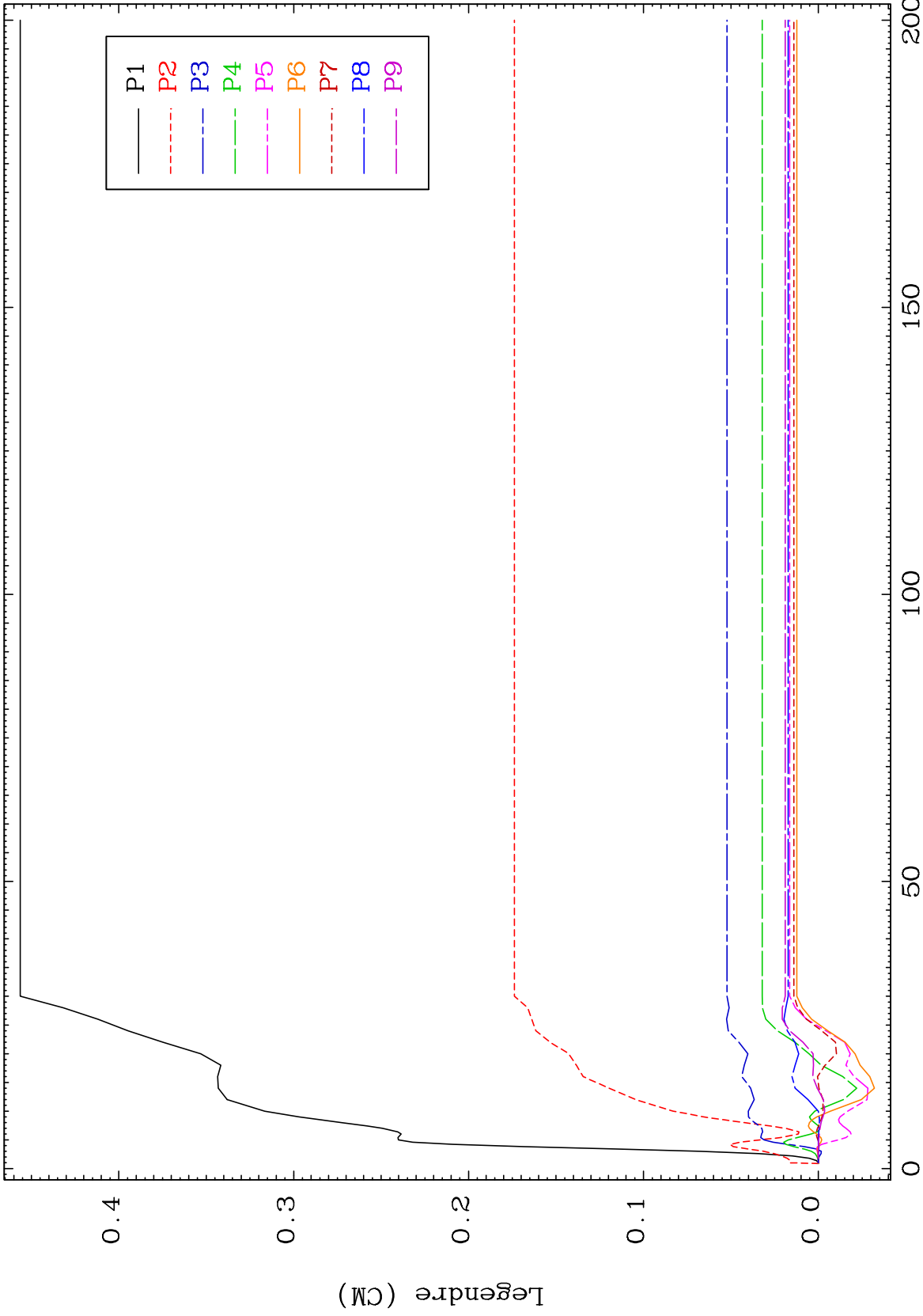
Incident Energy (MeV)

100

MAT 4152

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

41-Nb-102



101

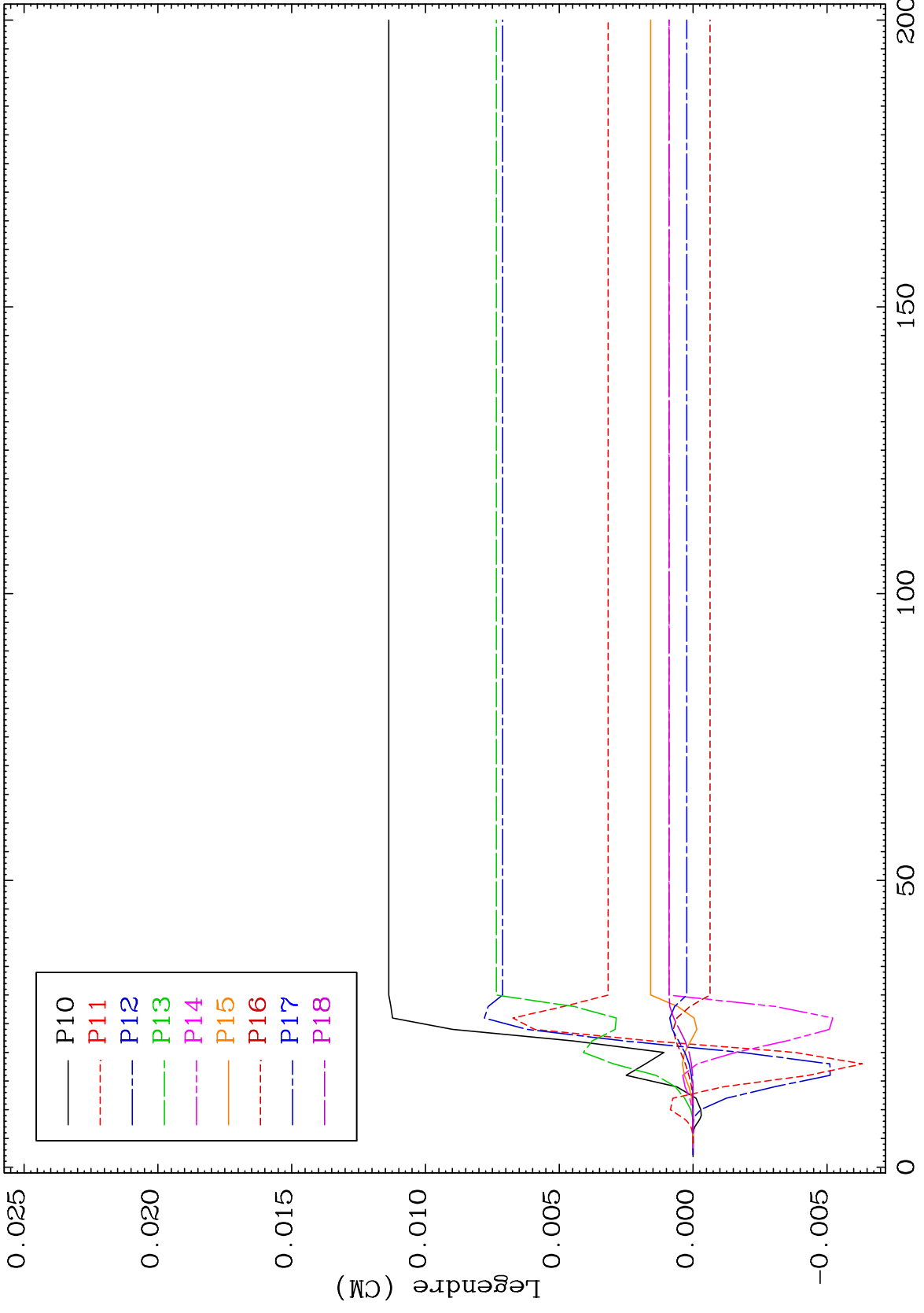
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



102

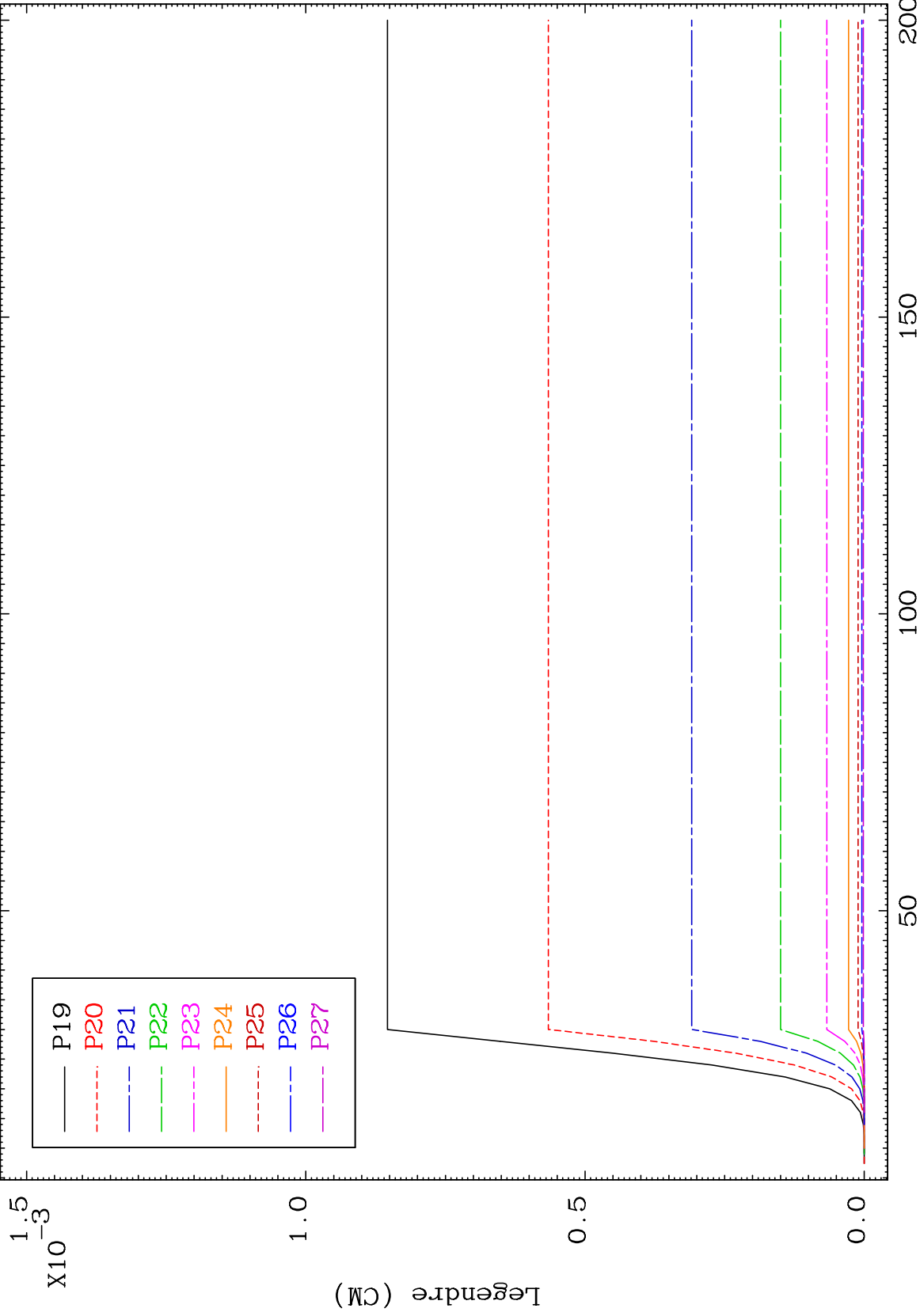
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



103

Incident Energy (MeV)

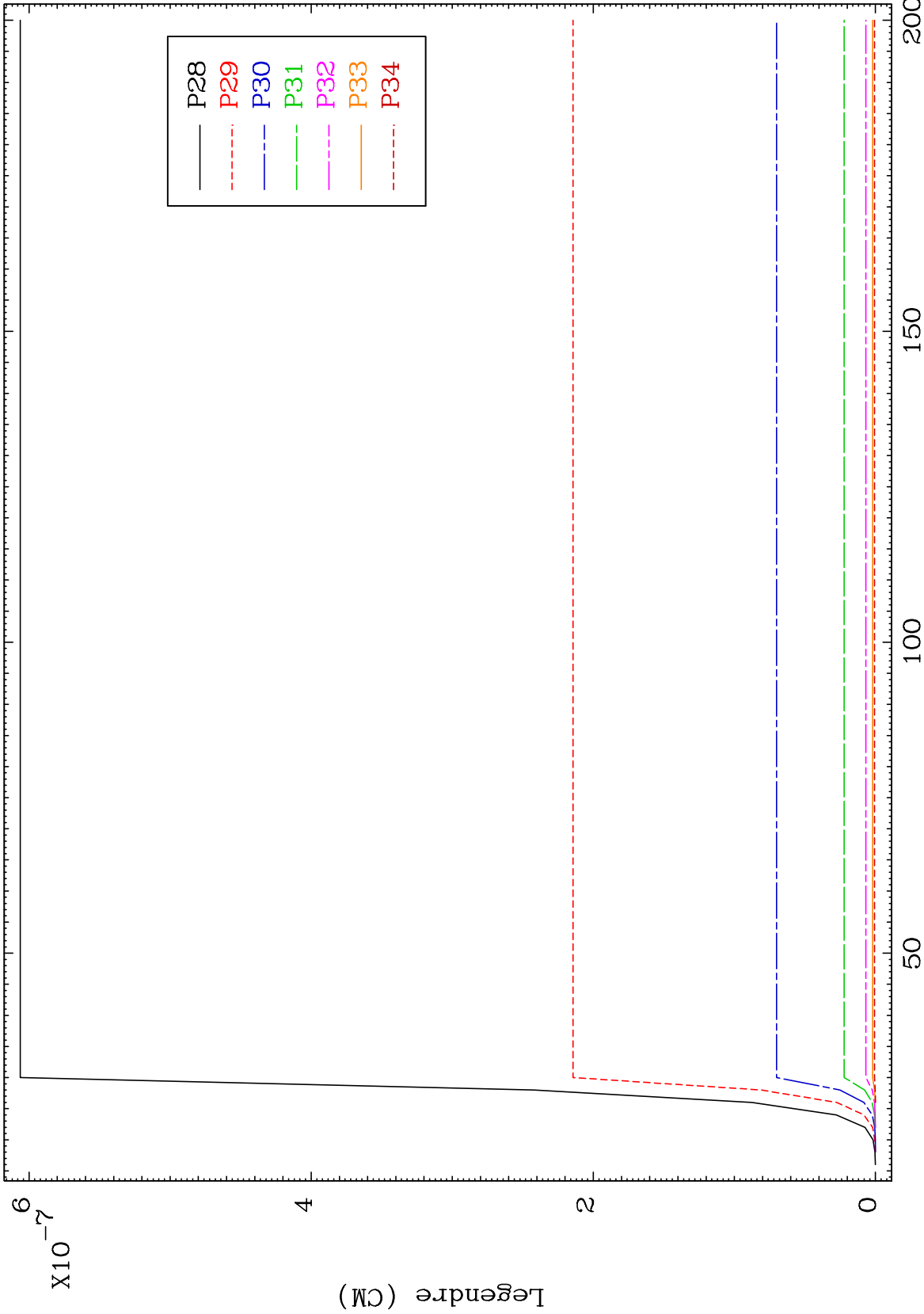
41-Nb-102



MAT 4152

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

41-Nb-102



104

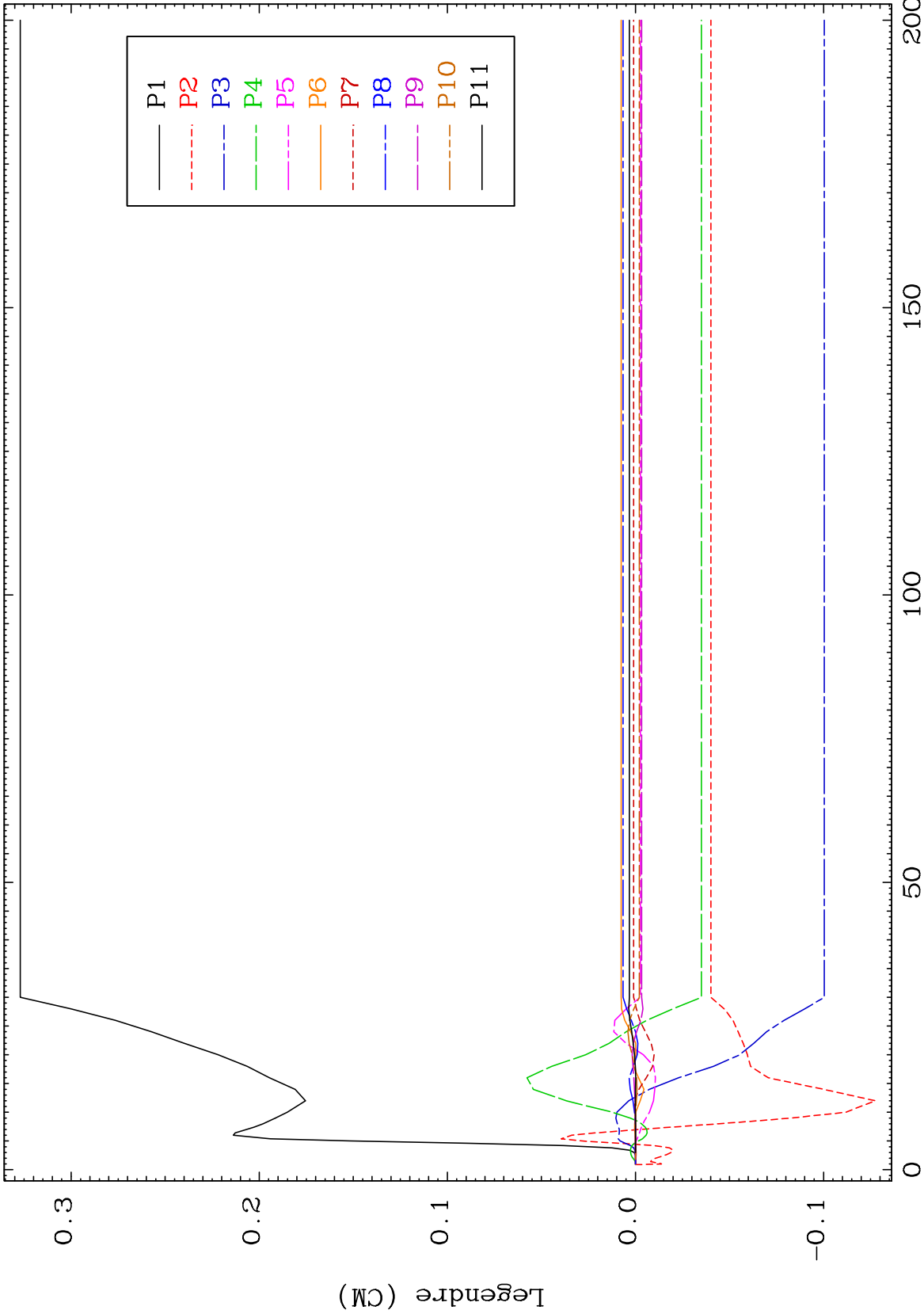
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



41-Nb-102

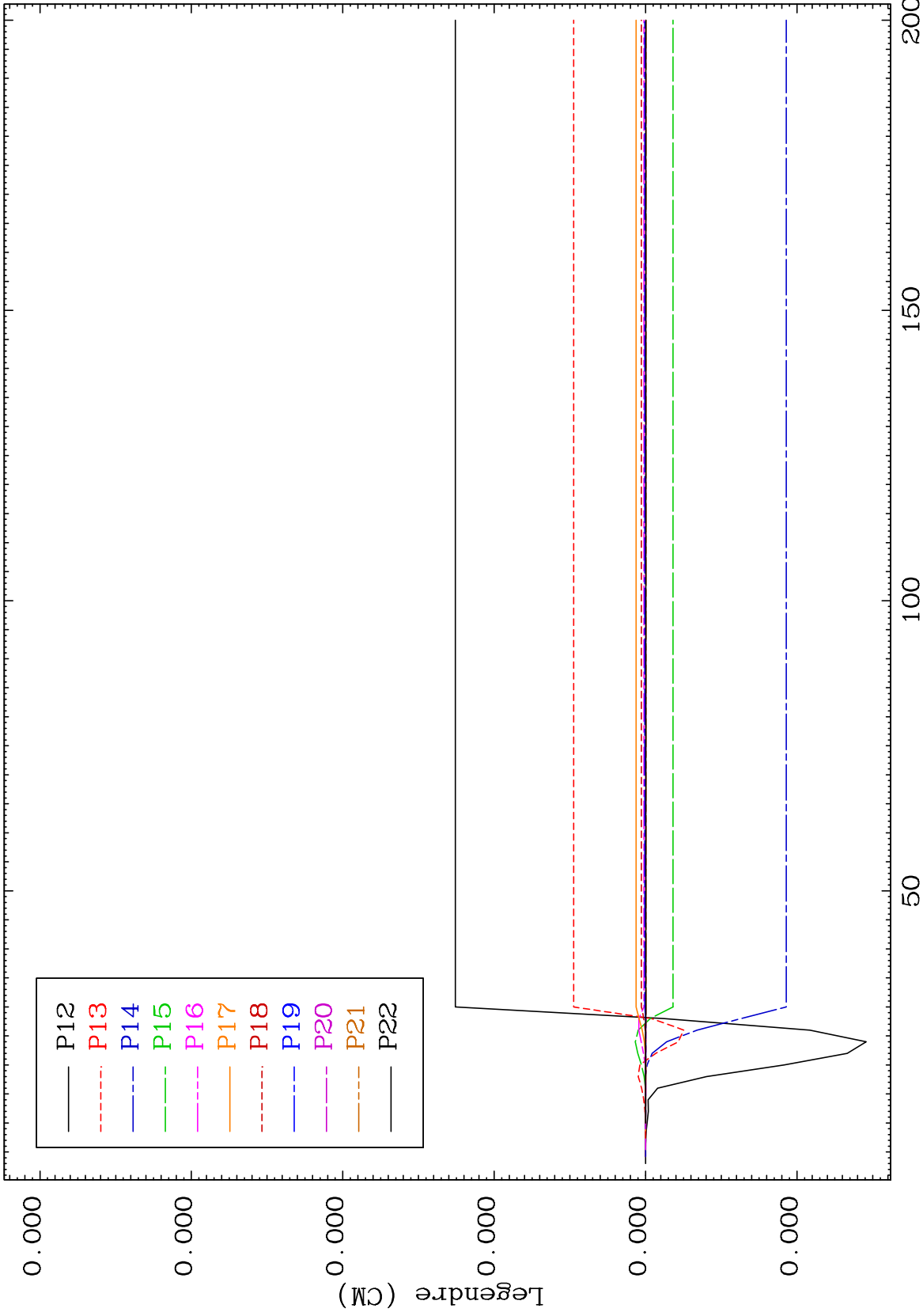
Incident Energy (MeV)

105

MAT 4152

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

41-Nb-102



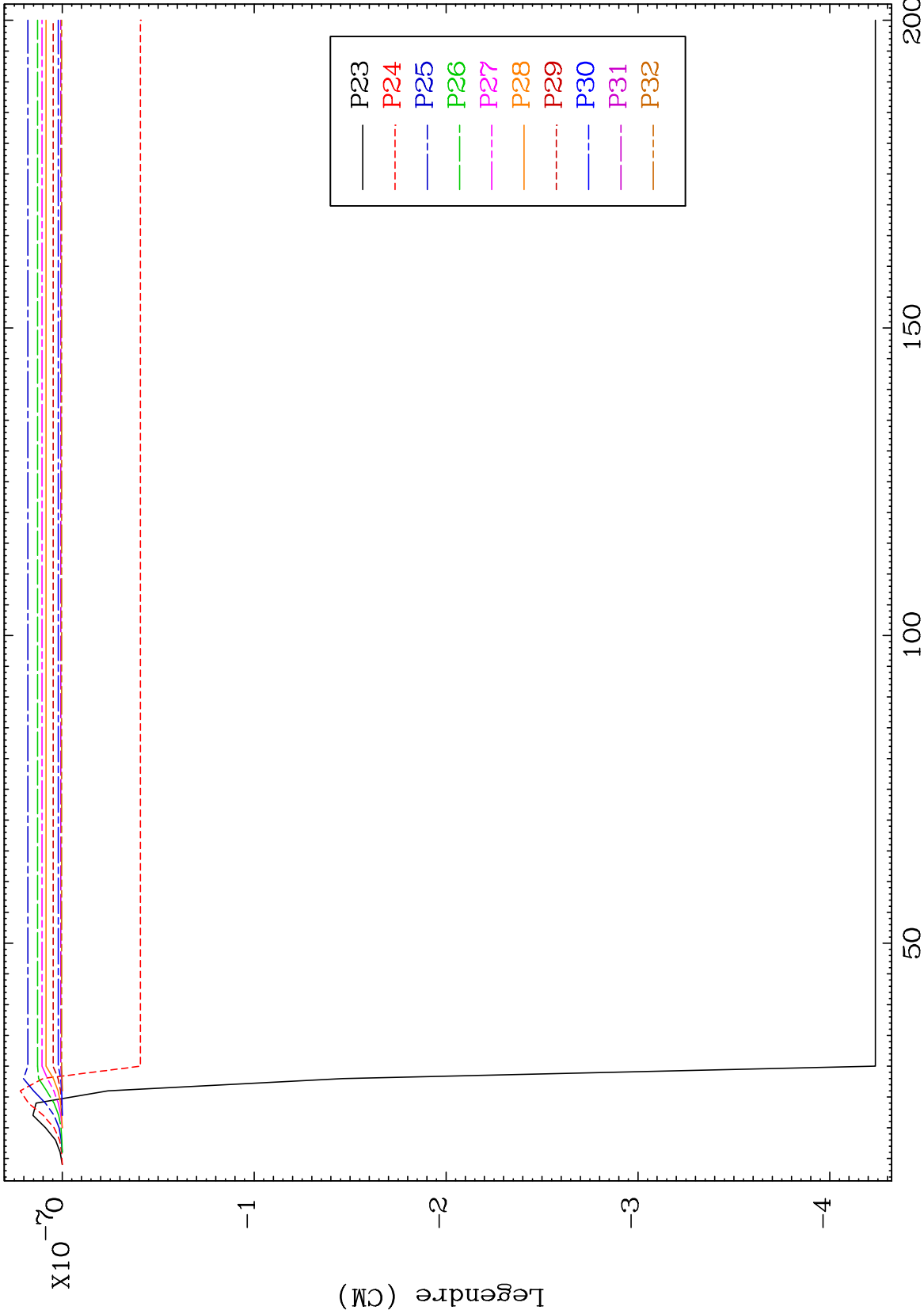
106

41-Nb-102

MAT 4152

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

41-Nb-102



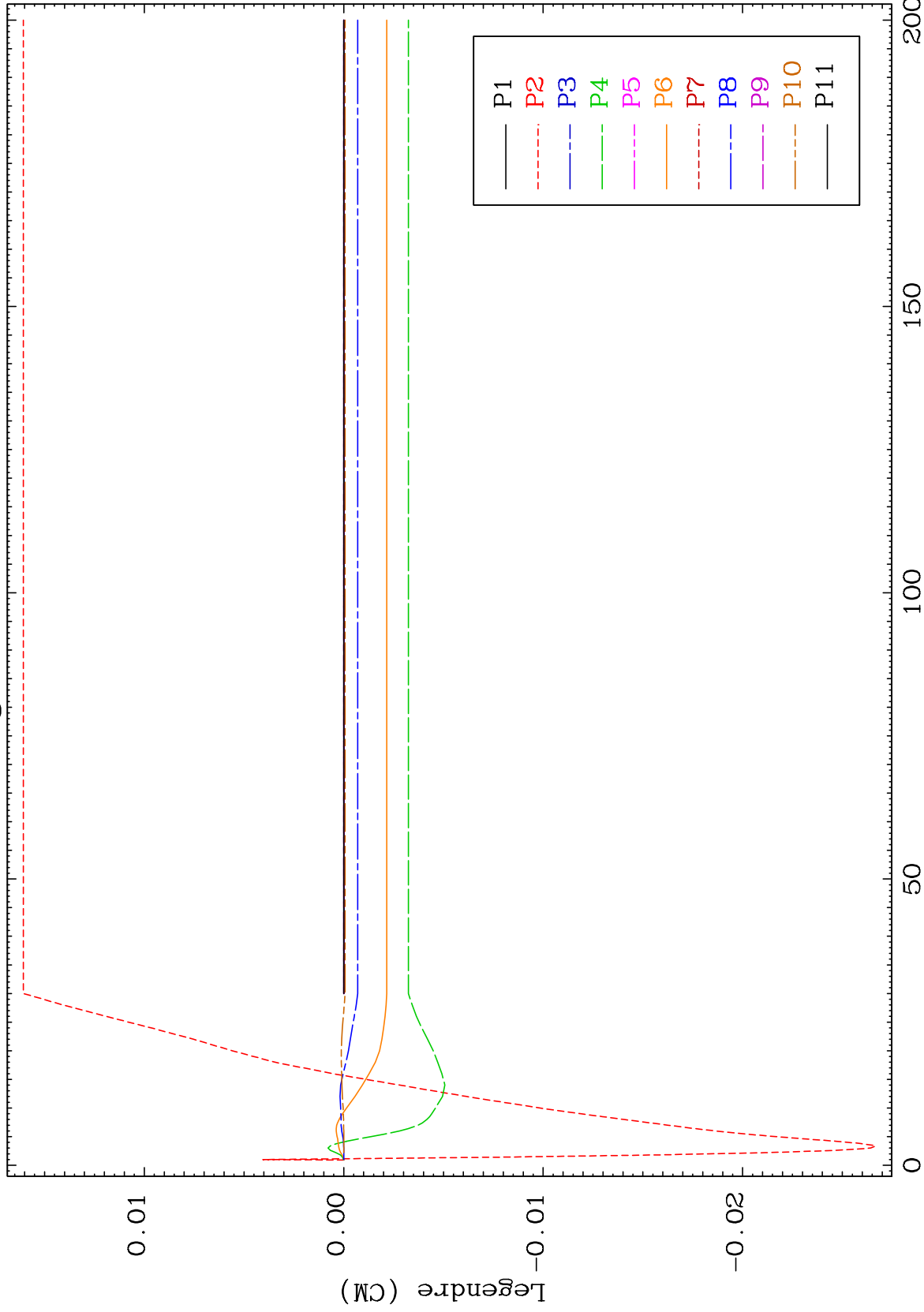
107

41-Nb-102

MAT 4152

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

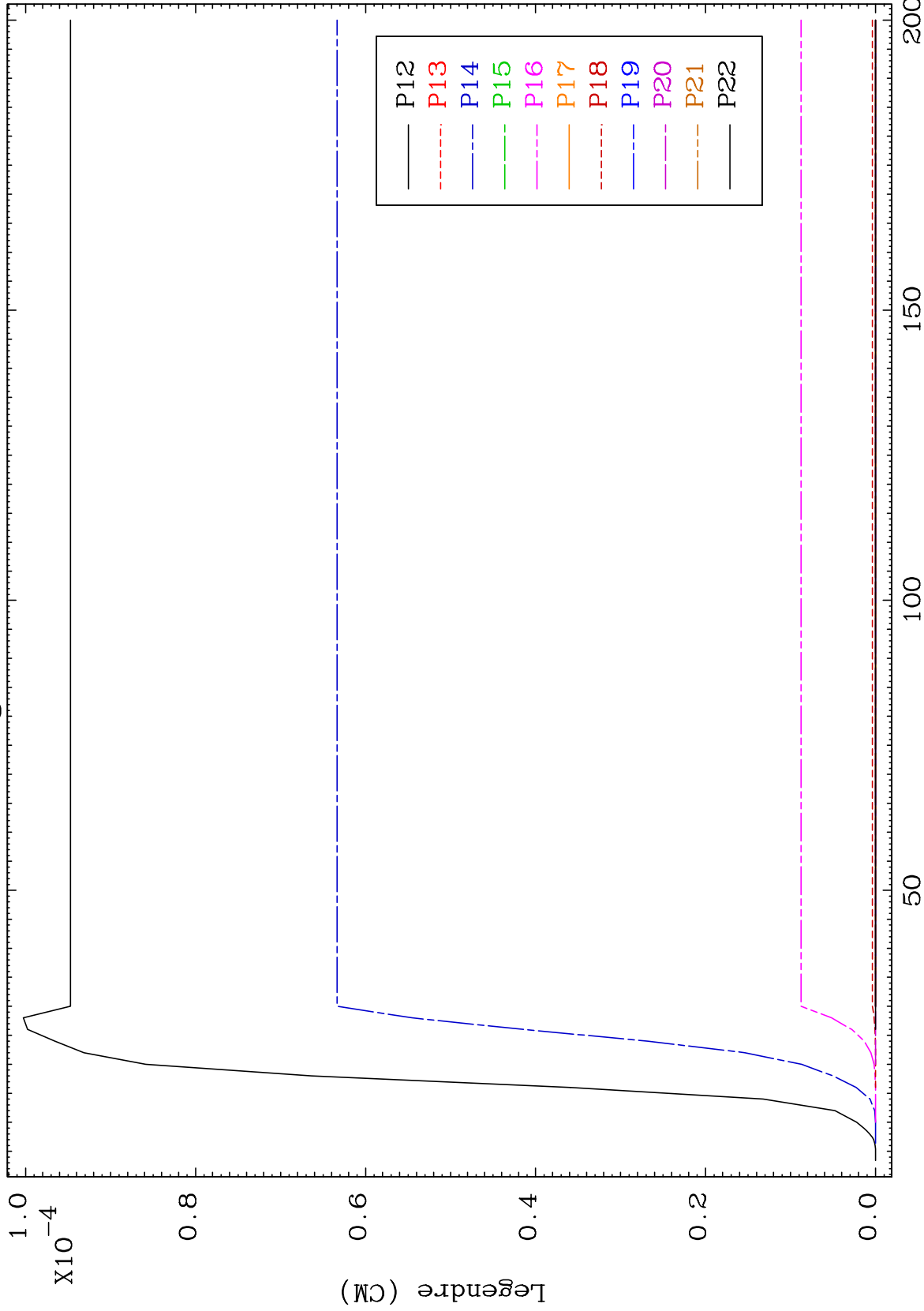
41-Nb-102



108

Incident Energy (MeV)

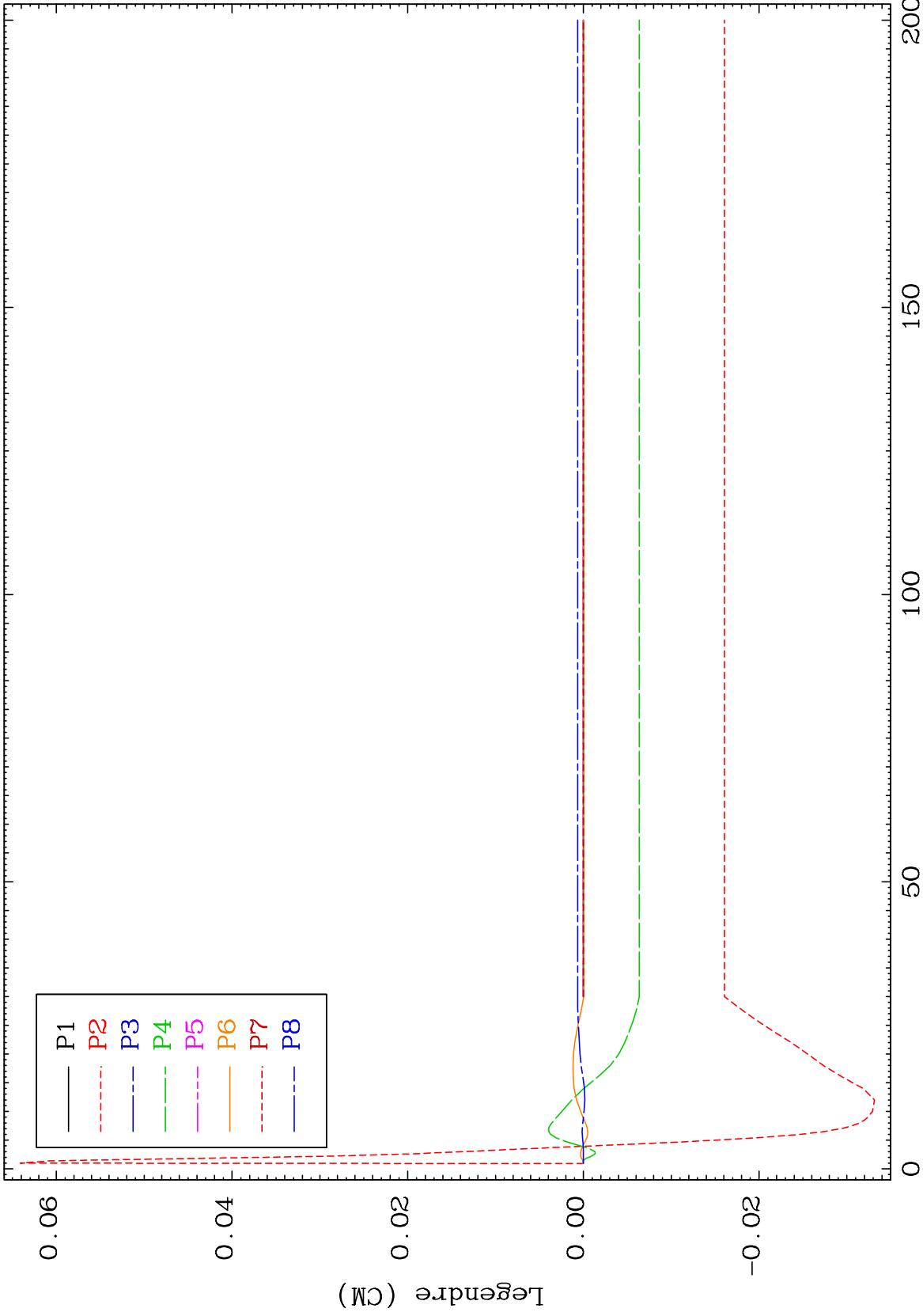
41-Nb-102



MAT 4152

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

41-Nb-102



110

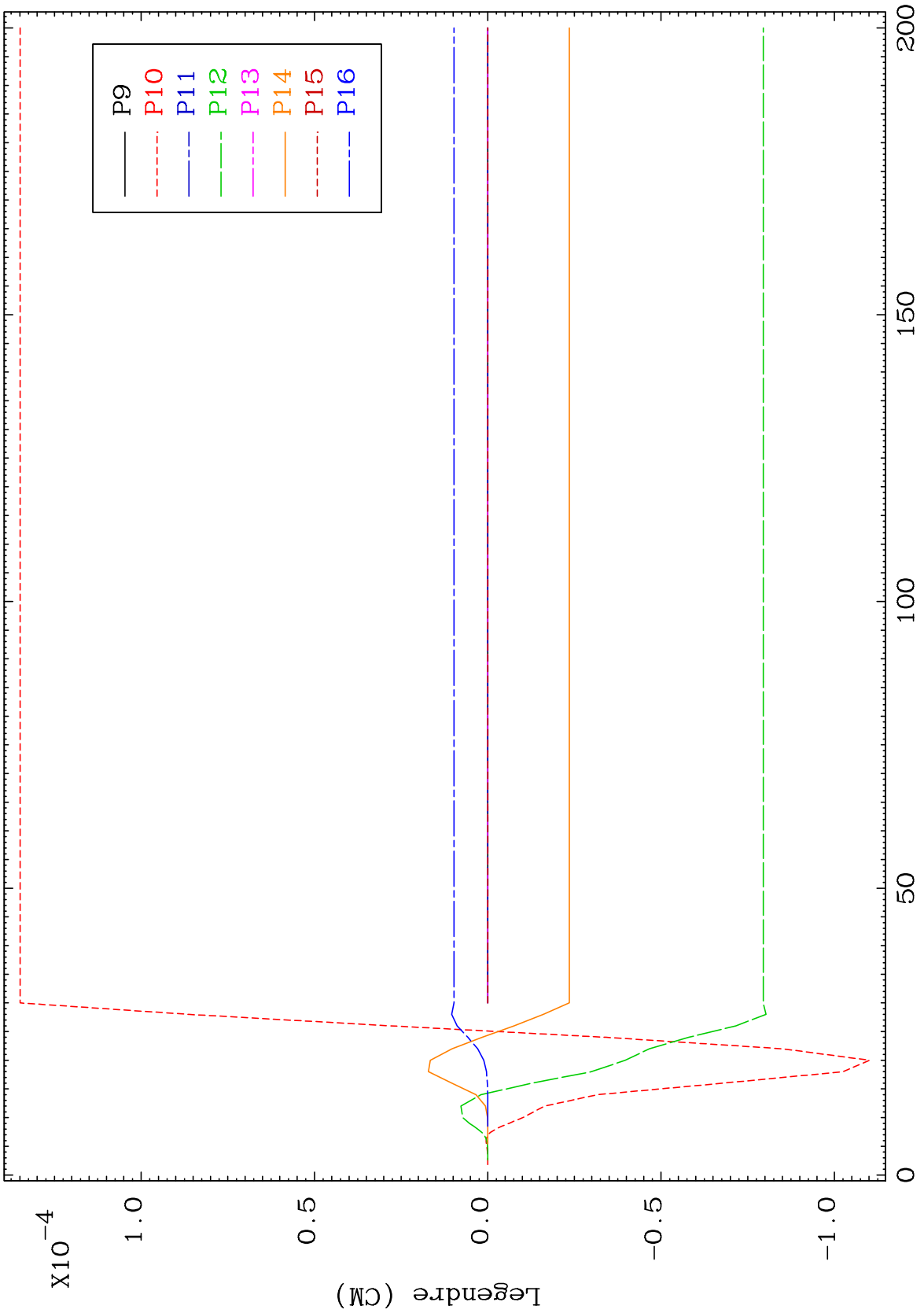
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



111

Incident Energy (MeV)

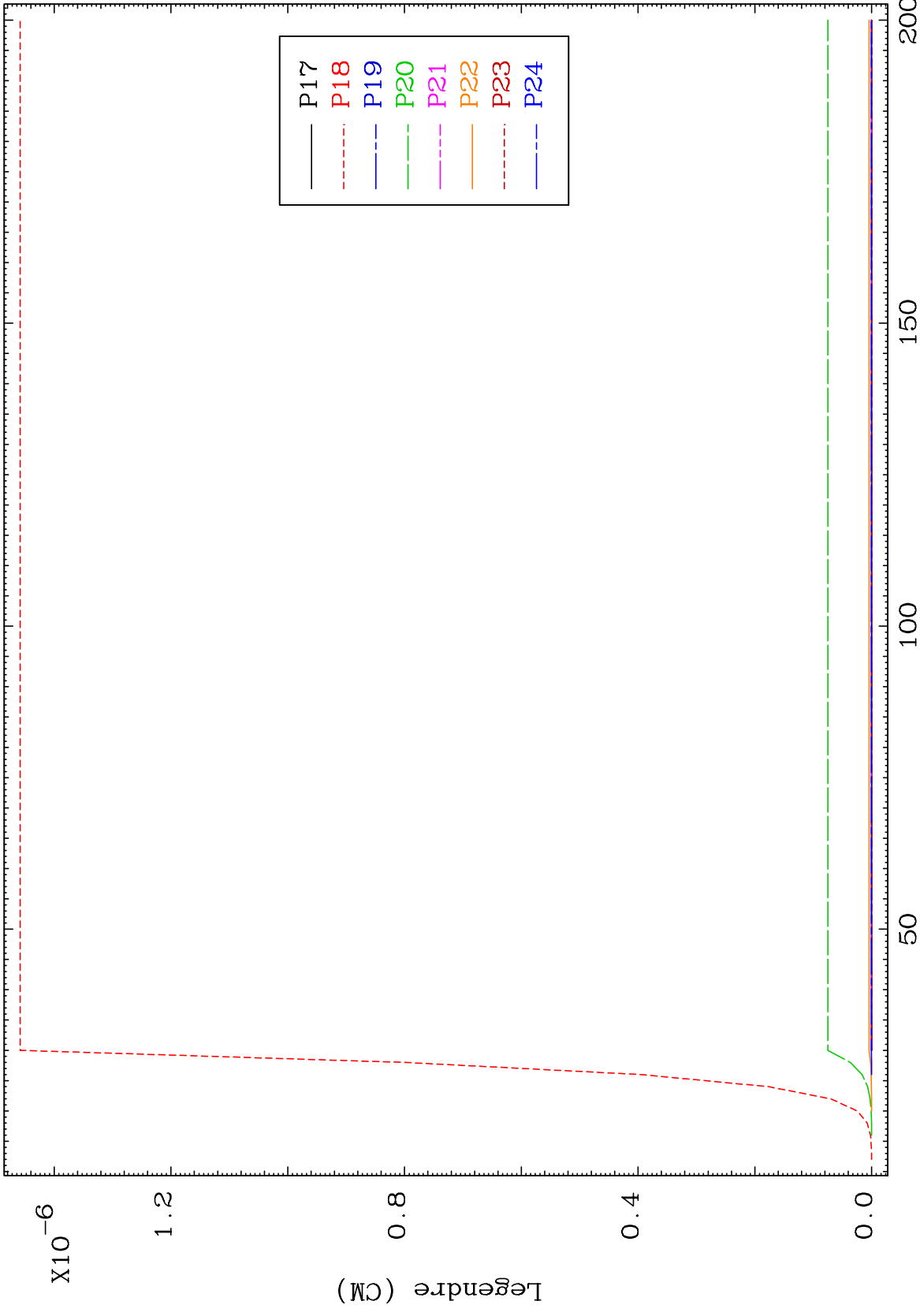
41-Nb-102



MAT 4152

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

41-Nb-102



112

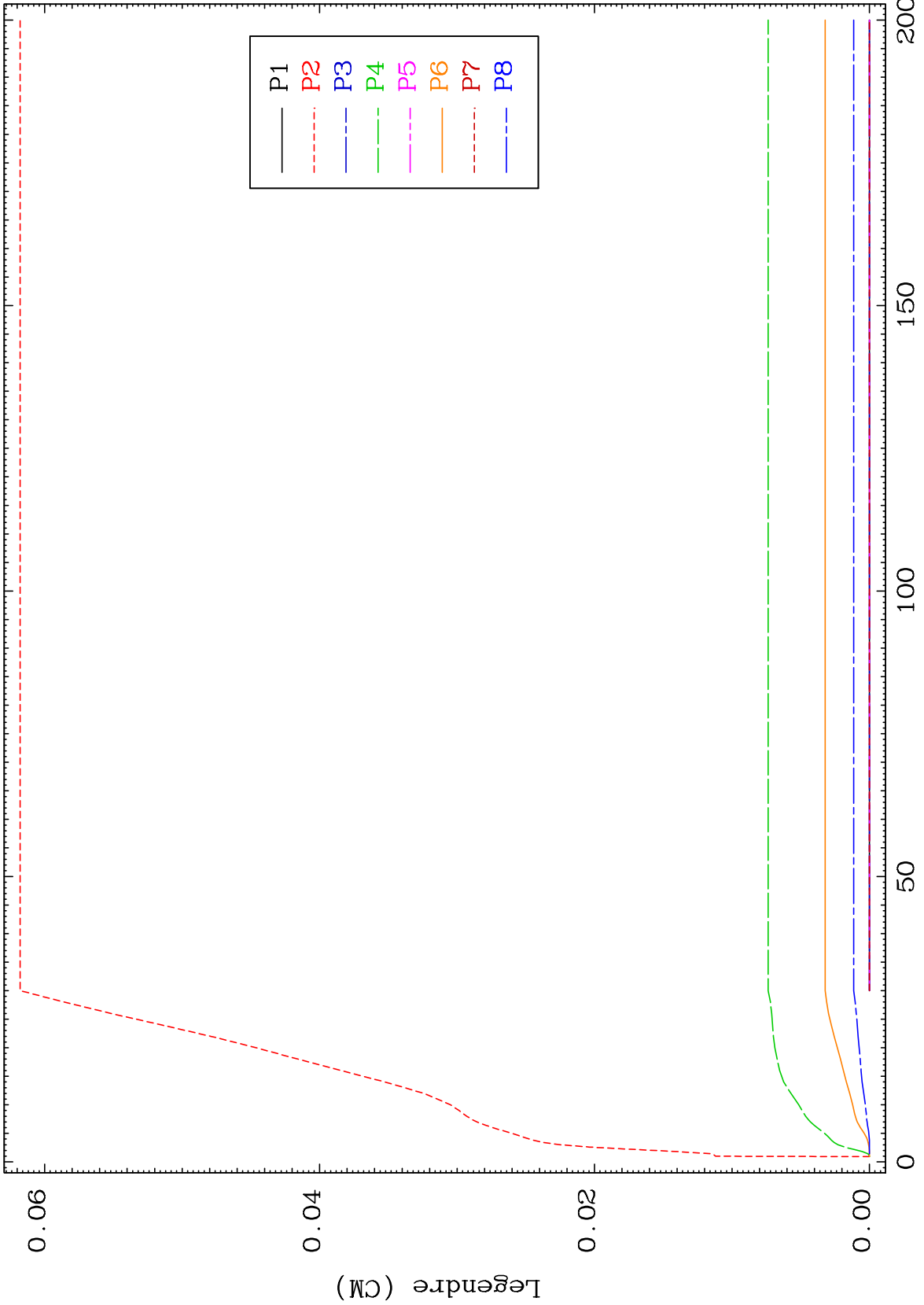
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



113

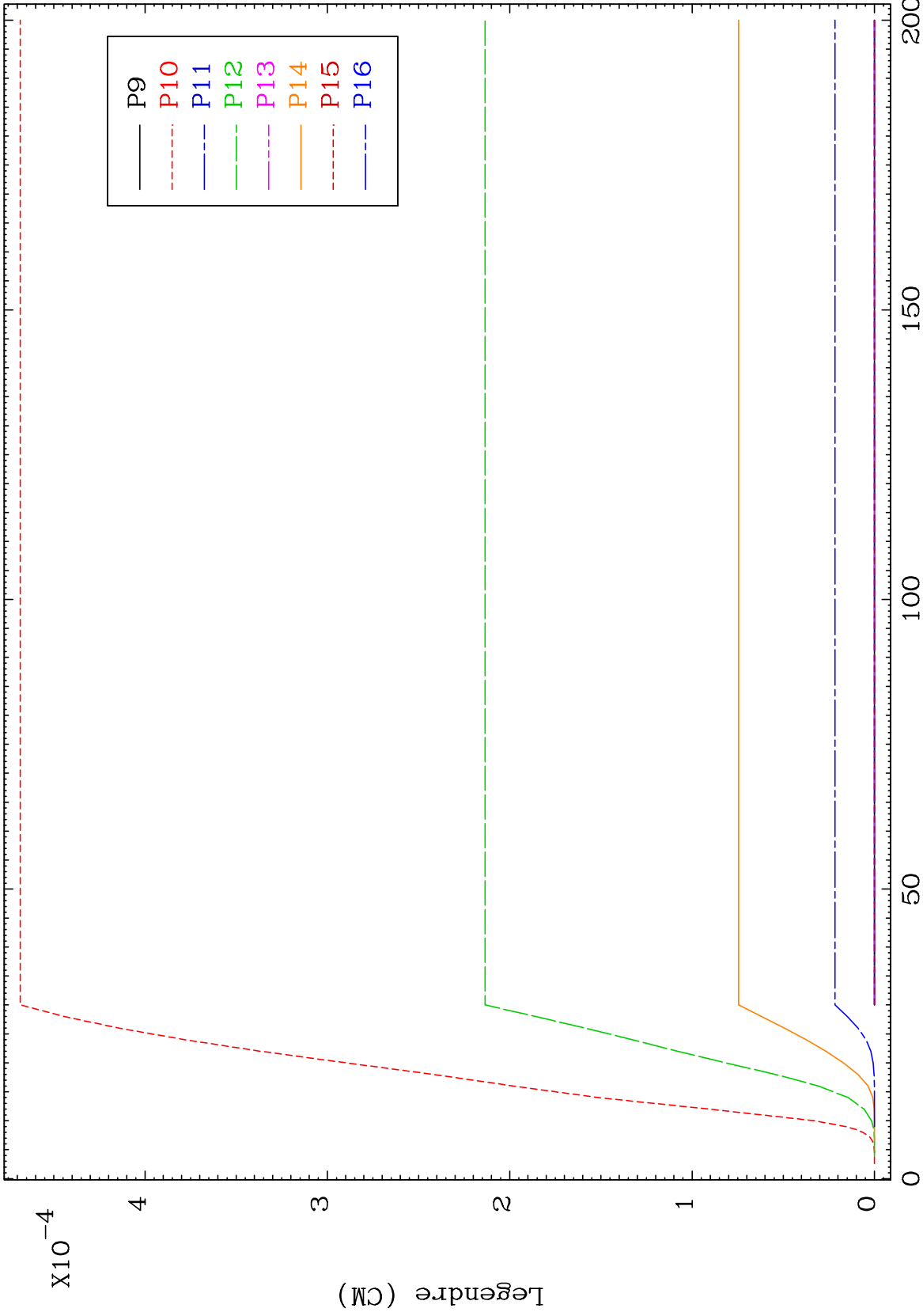
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

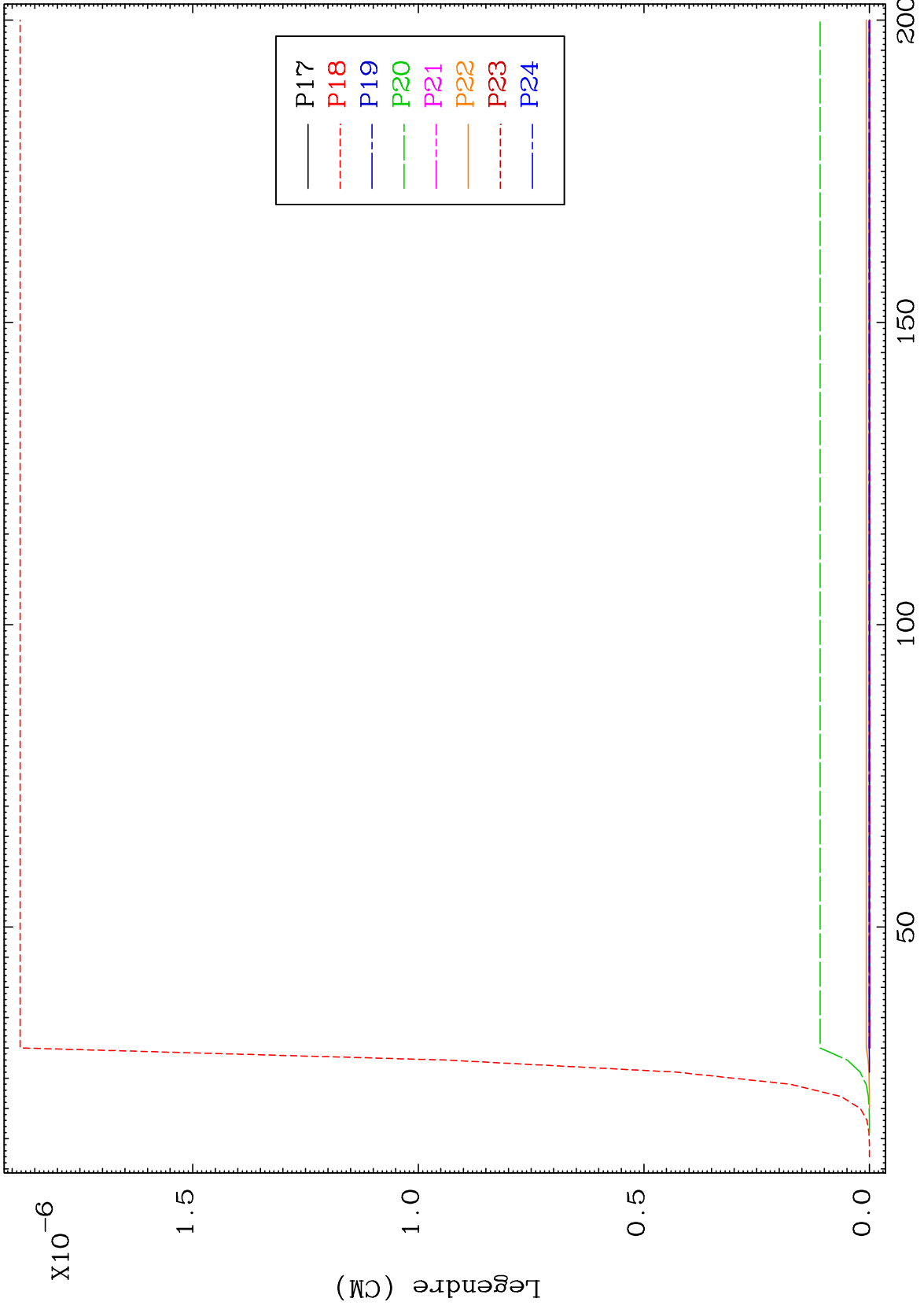
41-Nb-102



114

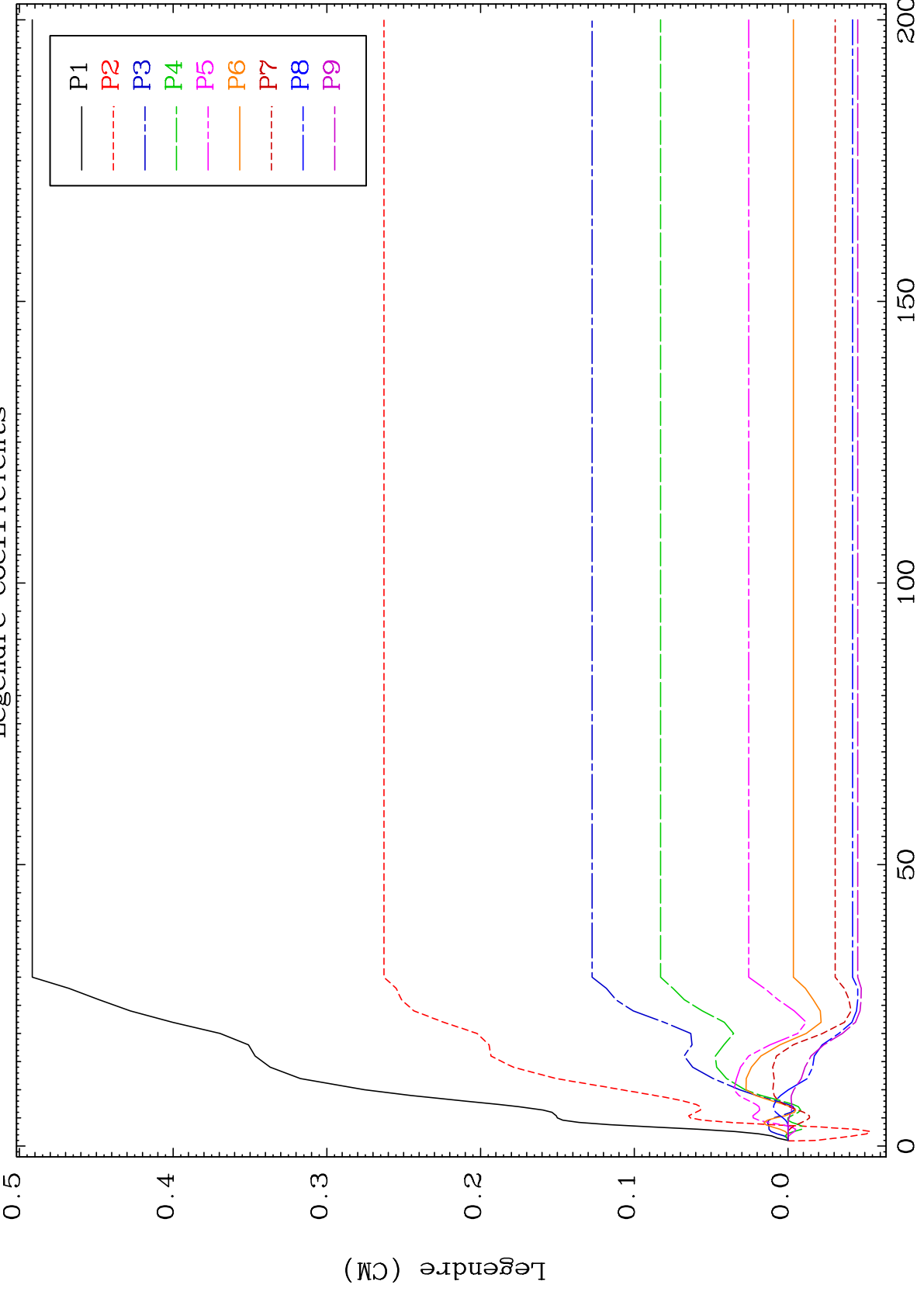
41-Nb-102

MAT 4152 MT= 79 (n,n') Level Legendre Coefficients 41-Nb-102



115 50 100 150 200 Incident Energy (MeV) 41-Nb-102

MAT 4152 MT= 80 (n,n') Level Legendre Coefficients 41-Nb-102

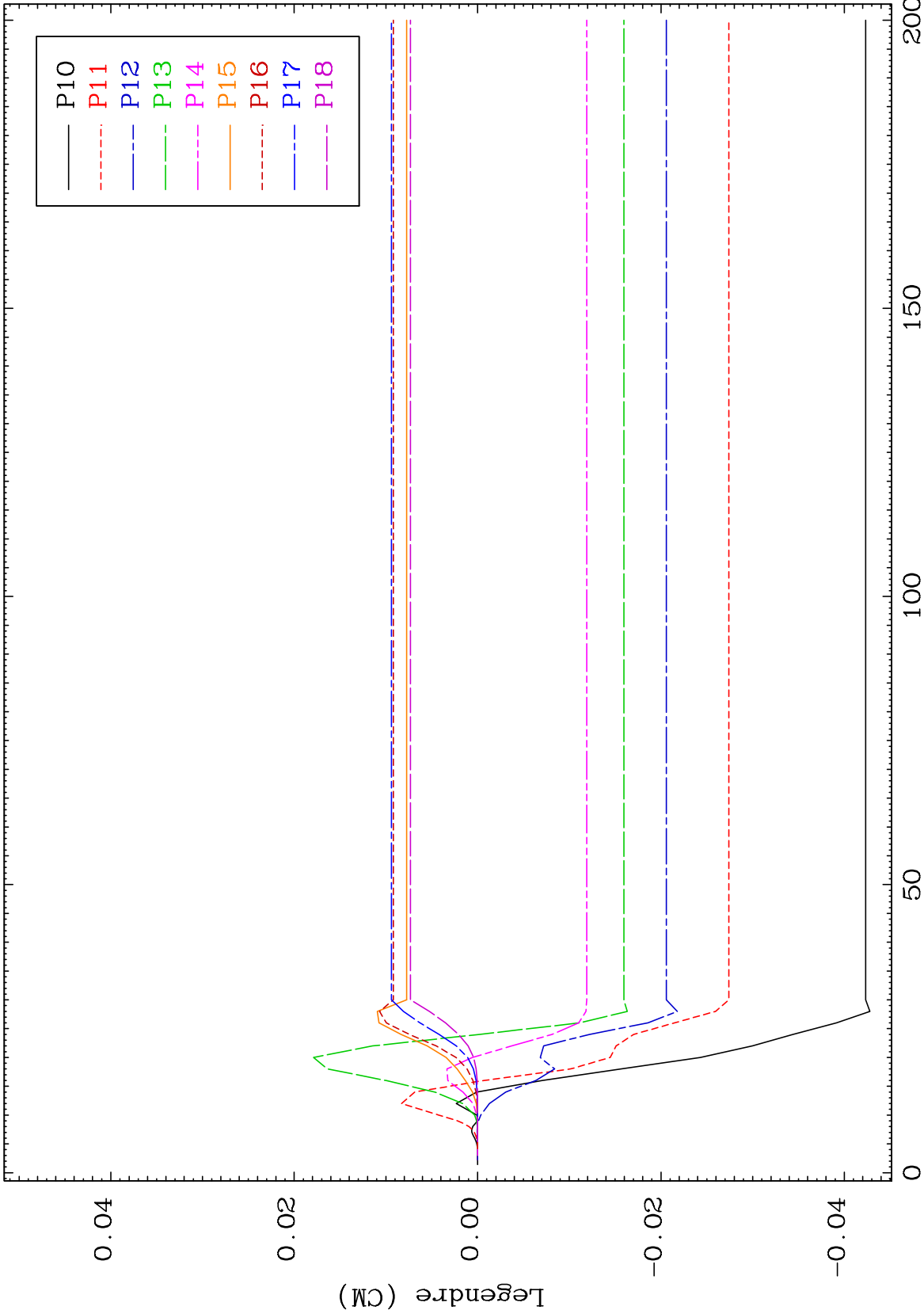


116 41-Nb-102

MAT 4152

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

41-Nb-102



117

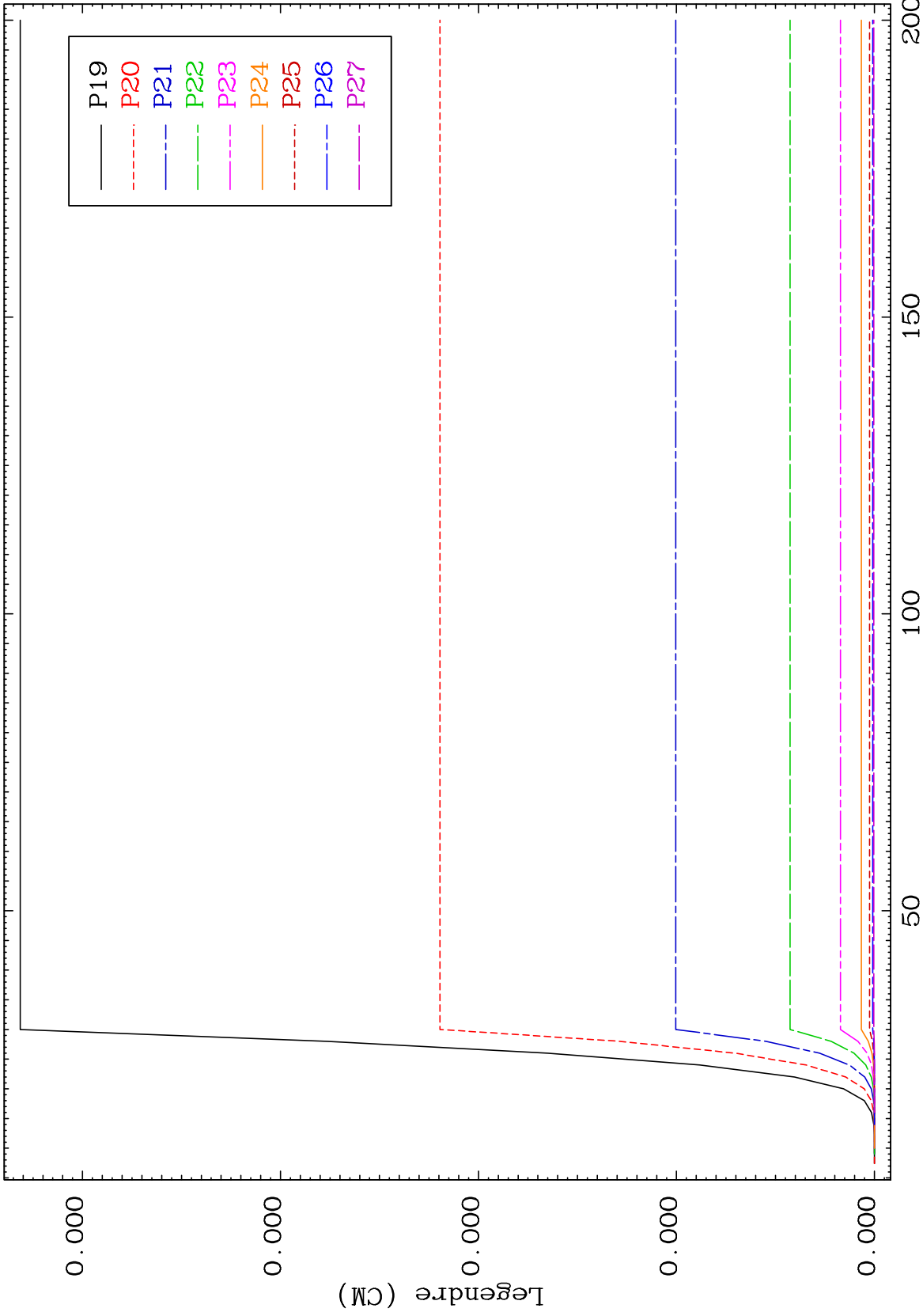
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



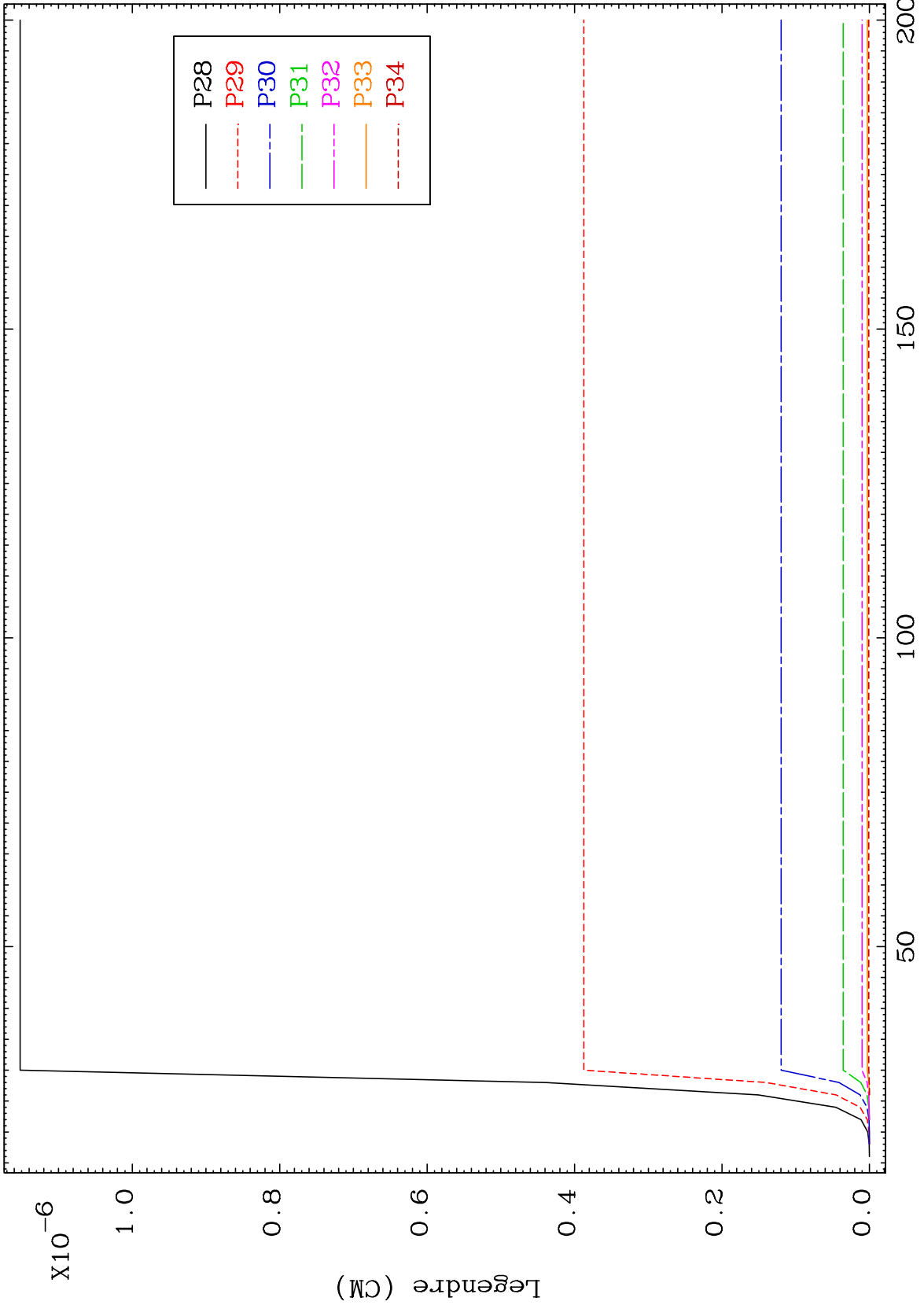
118

41-Nb-102

MAT 4152

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

41-Nb-102



119

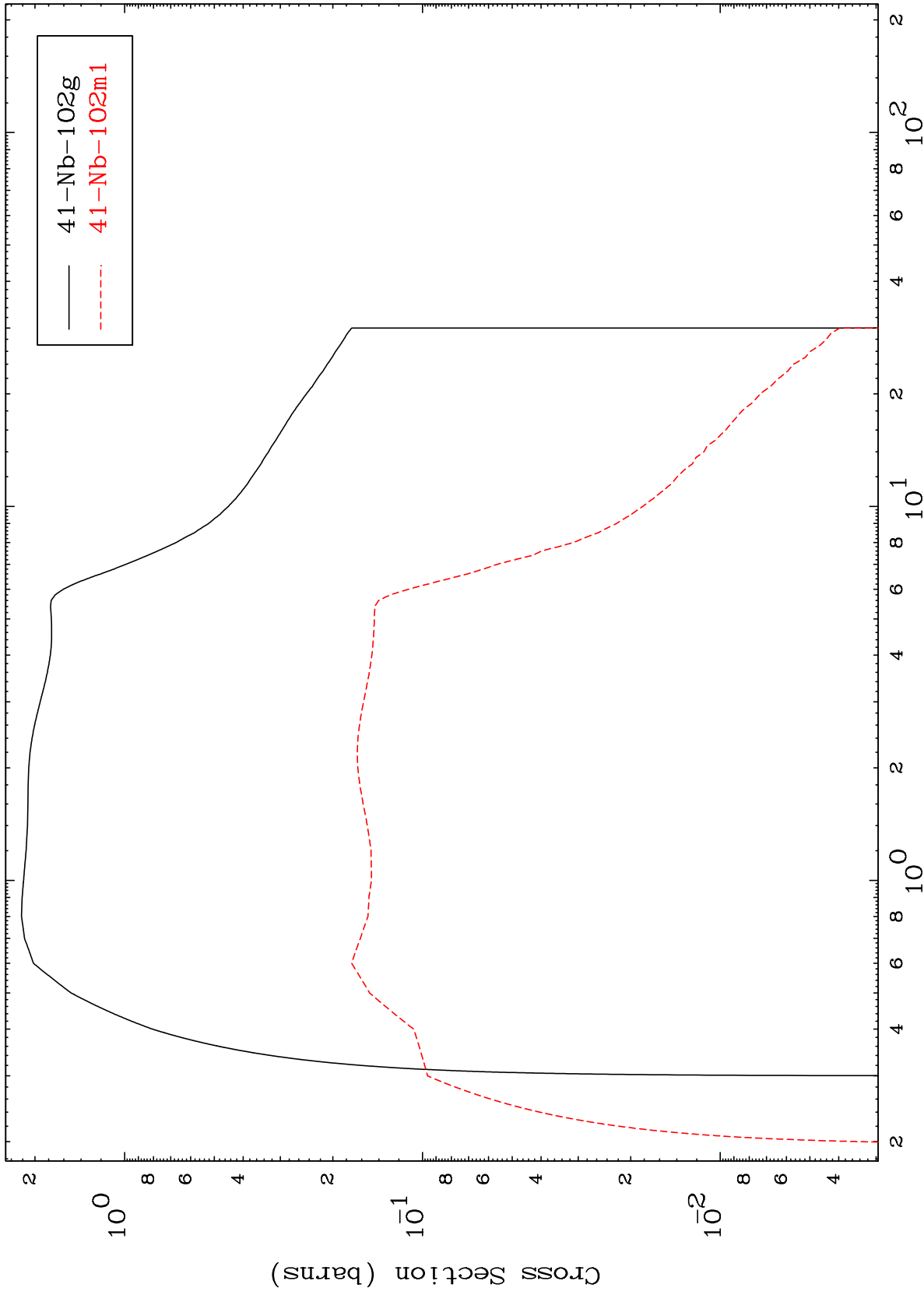
41-Nb-102



MAT 4152

41-Nb-102

### Inelastic Radionuclide Production Cross Section



120

Incident Energy (MeV)

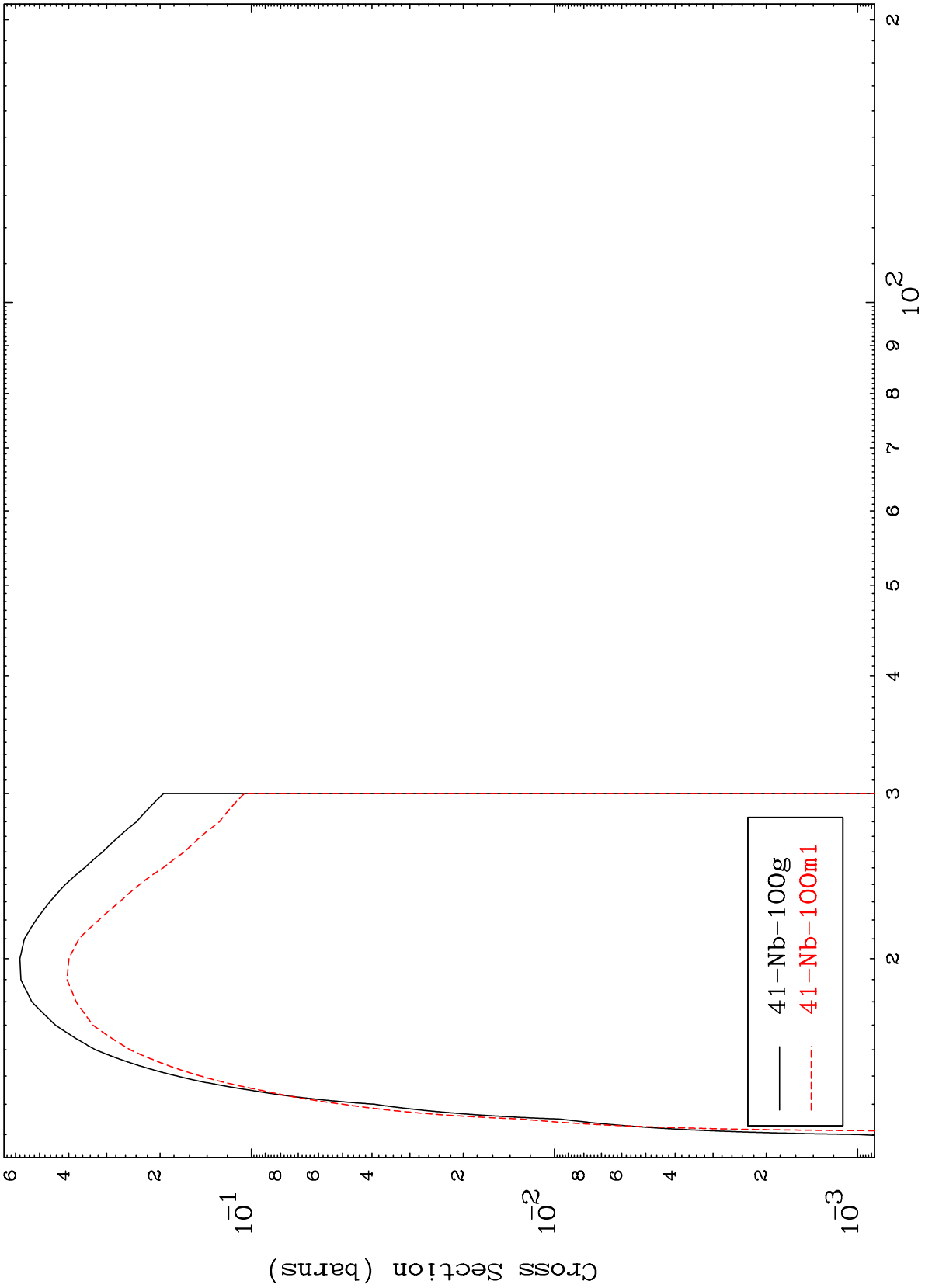
41-Nb-102

MAT 4152

(n,3n)

41-Nb-102

Radionuclide Production Cross Section



121

Incident Energy (MeV)

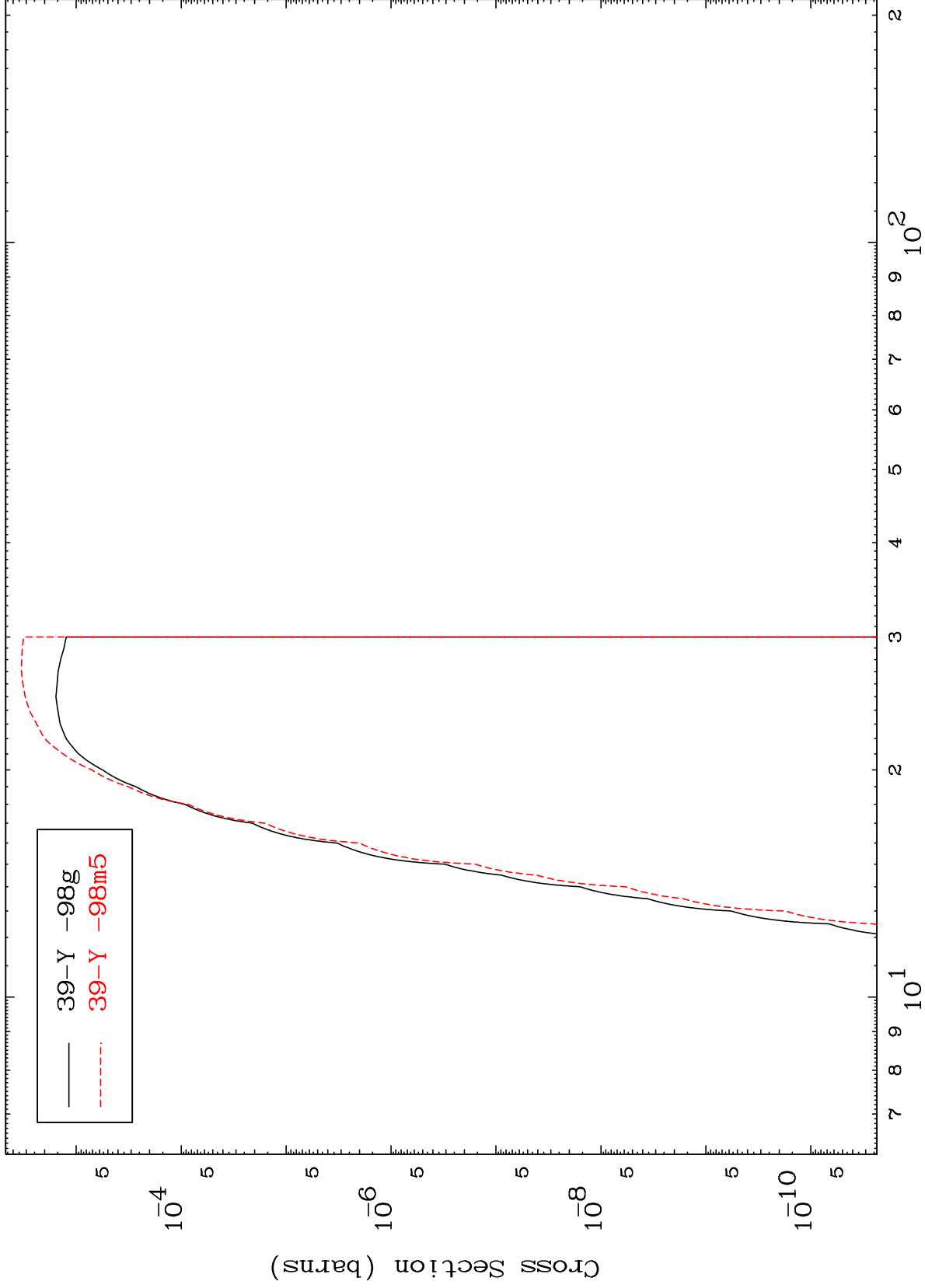
41-Nb-102

MAT 4152

(n,n')  $\alpha$

41-Nb-102

Radionuclide Production Cross Section



122

Incident Energy (MeV)

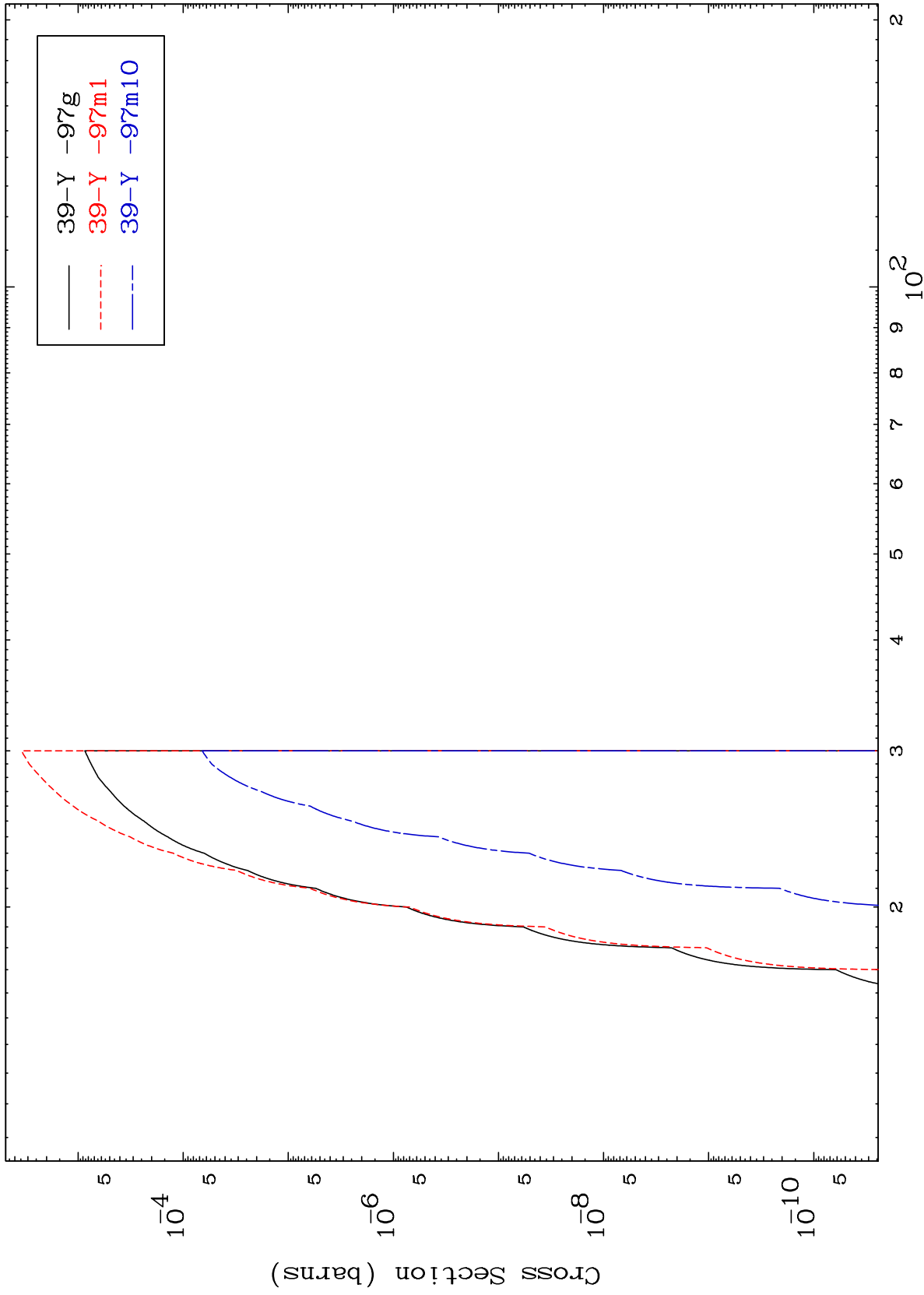
41-Nb-102

MAT 4152

(n,2n)  $\alpha$

41-Nb-102

Radionuclide Production Cross Section



123

Incident Energy (MeV)

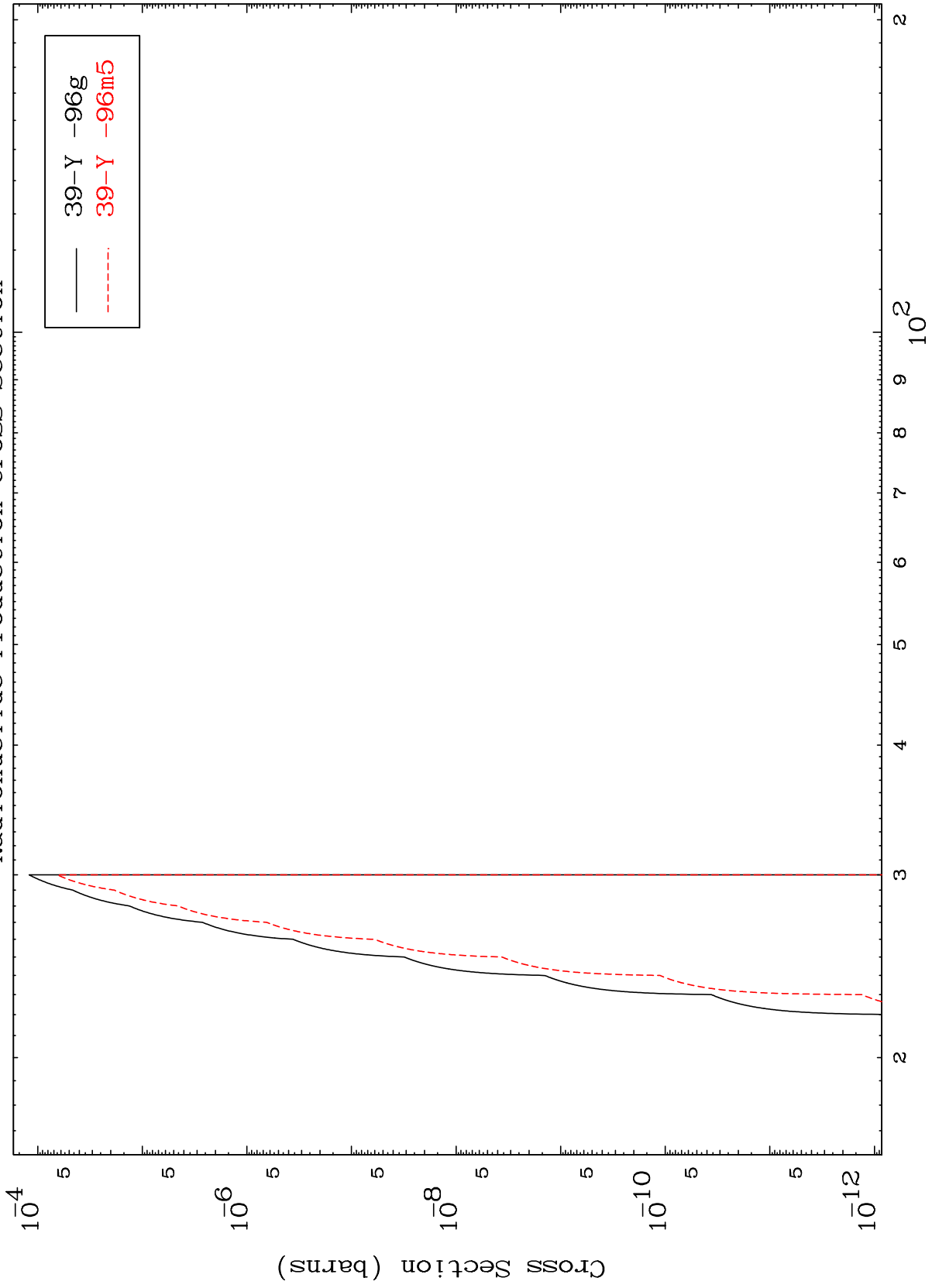
41-Nb-102

MAT 4152

(n,3n)  $\alpha$

41-Nb-102

Radionuclide Production Cross Section



124

Incident Energy (MeV)

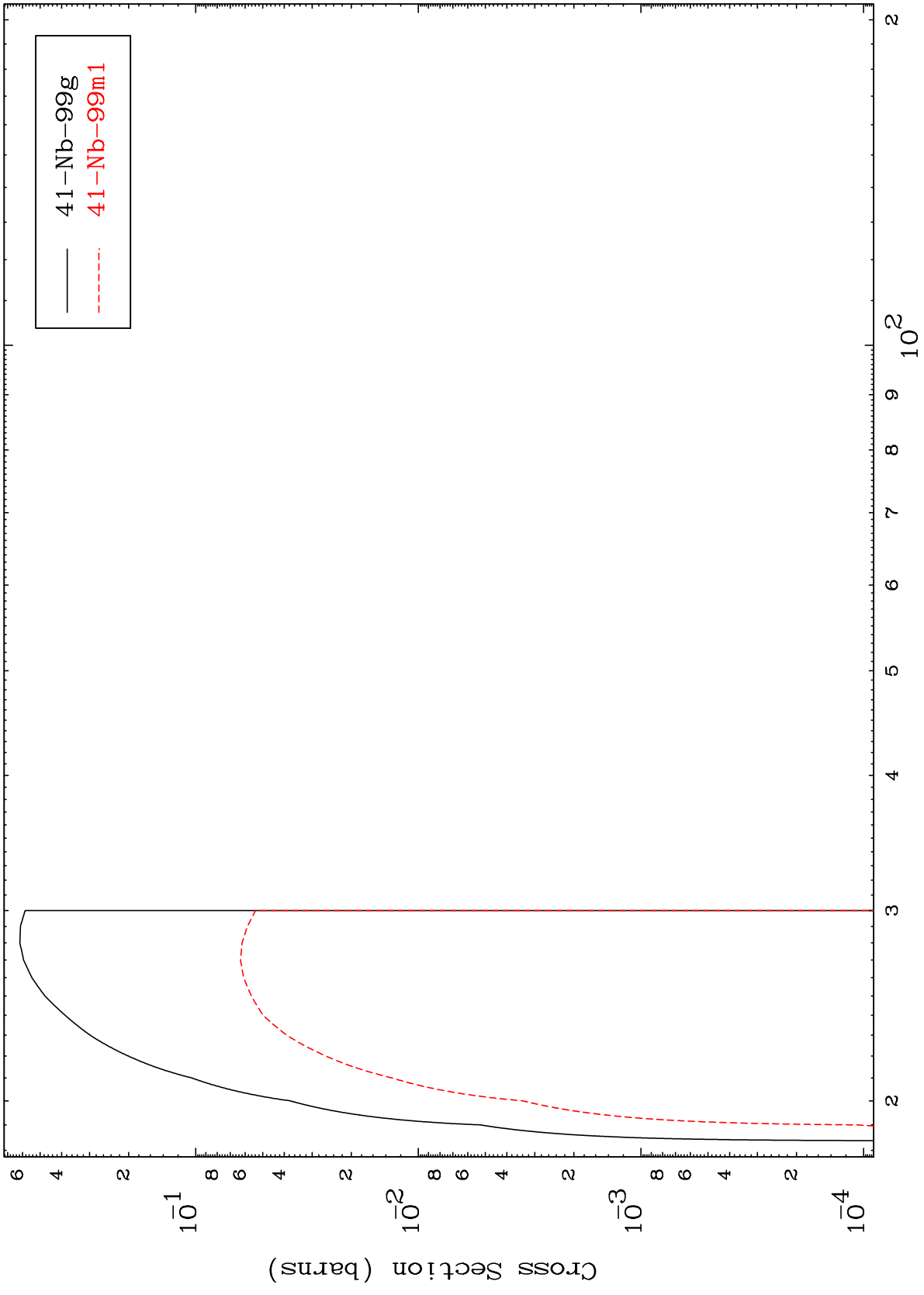
41-Nb-102

MAT 4152

(n,4n)

41-Nb-102

Radionuclide Production Cross Section



125

Incident Energy (MeV)

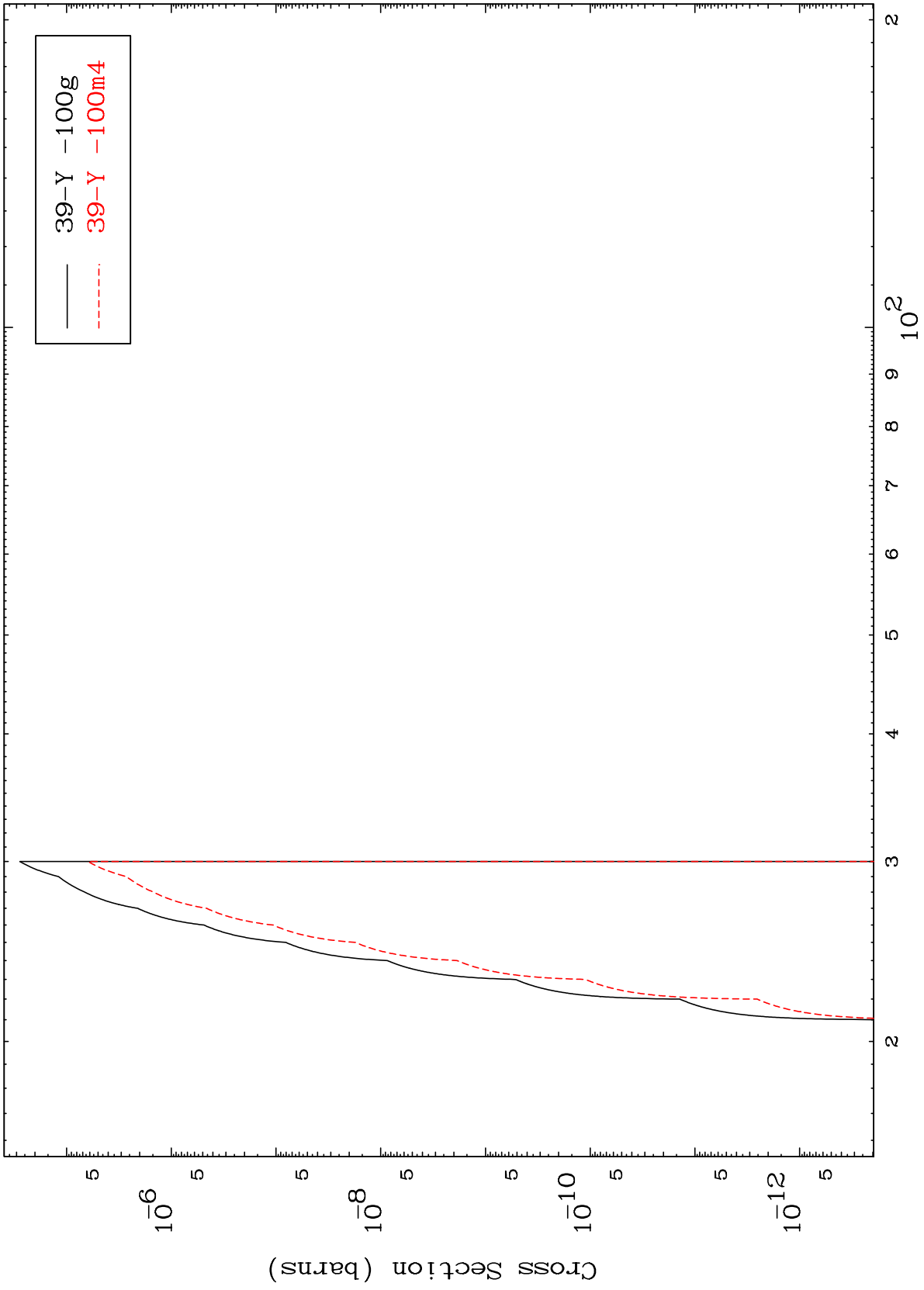
41-Nb-102

MAT 4152

(n, He-3)

41-Nb-102

Radionuclide Production Cross Section



126

Incident Energy (MeV)

41-Nb-102