

Program EVALPLOT
(Version 2018-1)

by

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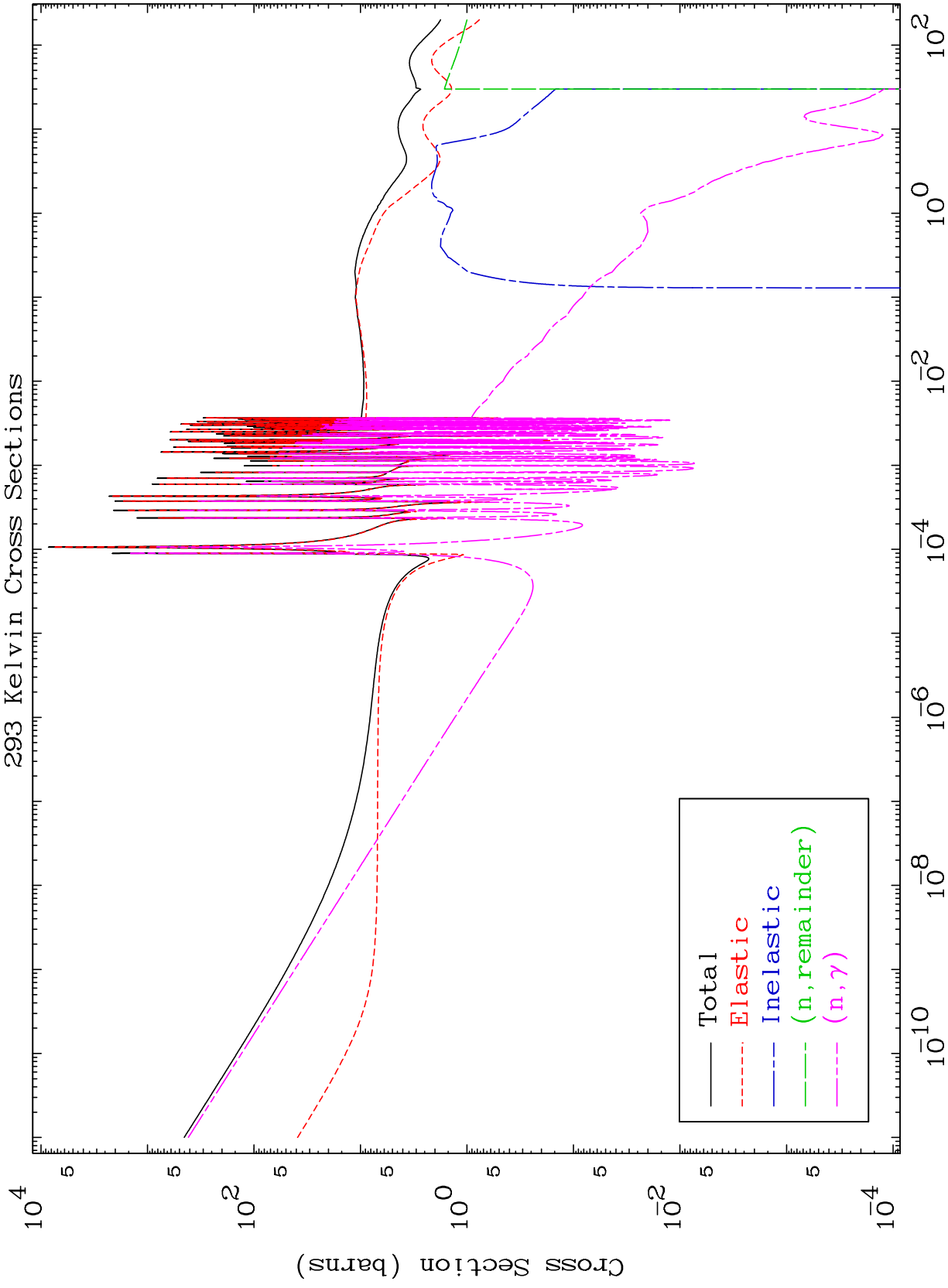
Press Mouse Button to Start

MAT 4161

Major

293 Kelvin Cross Sections

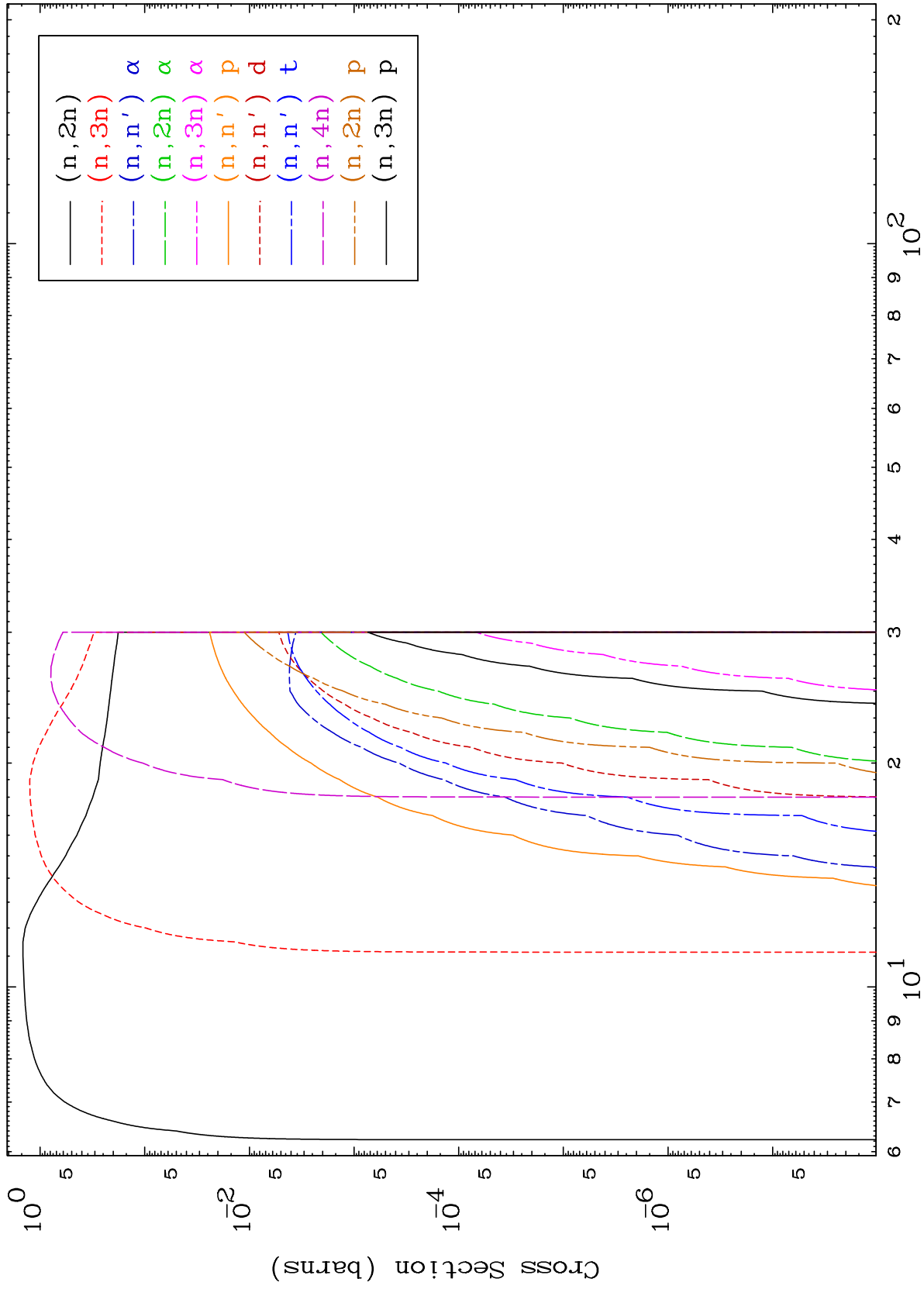
41-Nb-105



MAT 4161

Neutron Production
293 Kelvin Cross Sections

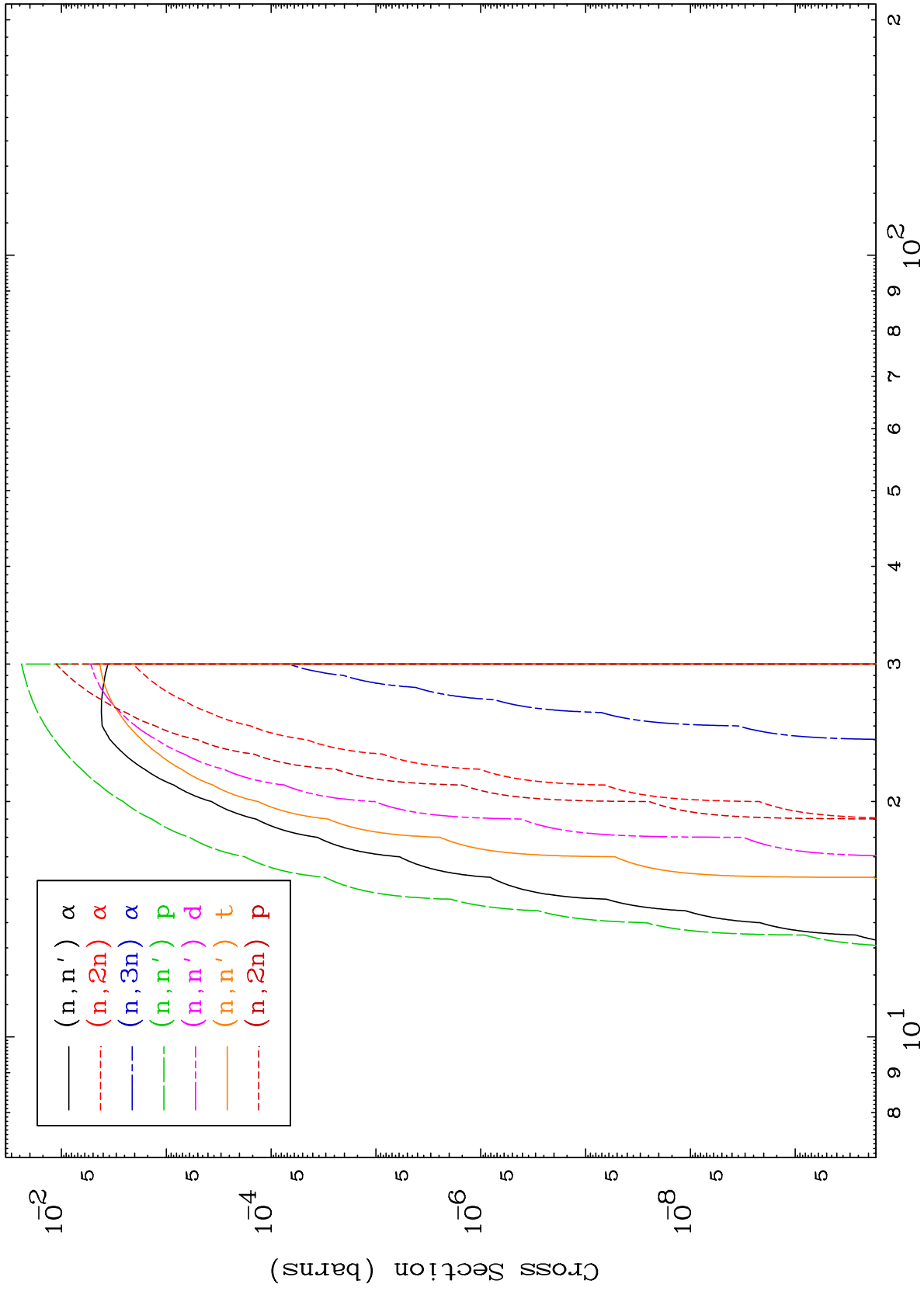
41-Nb-105



2

Incident Energy (MeV)

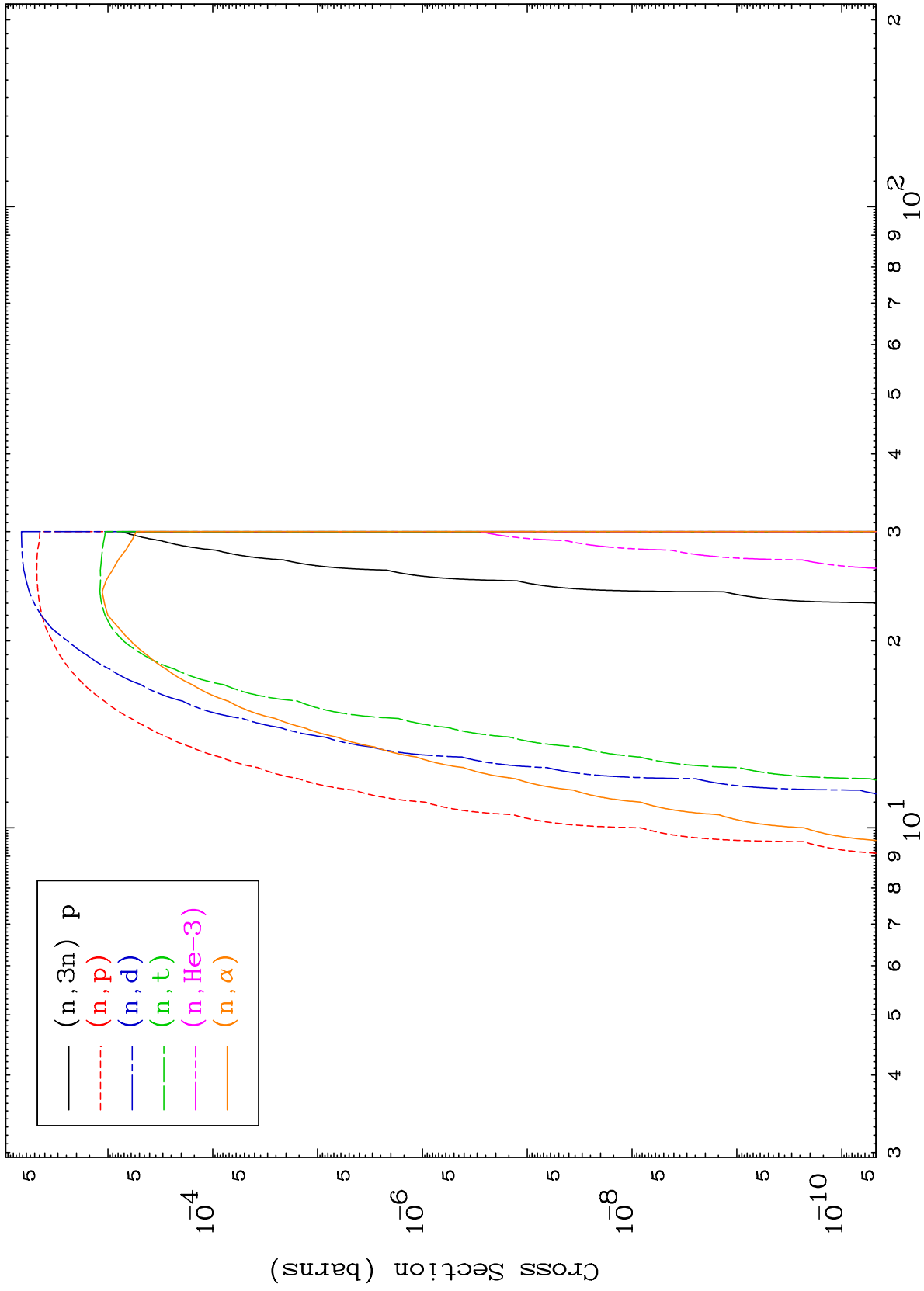
41-Nb-105



MAT 4161

Charged Particle
293 Kelvin Cross Sections

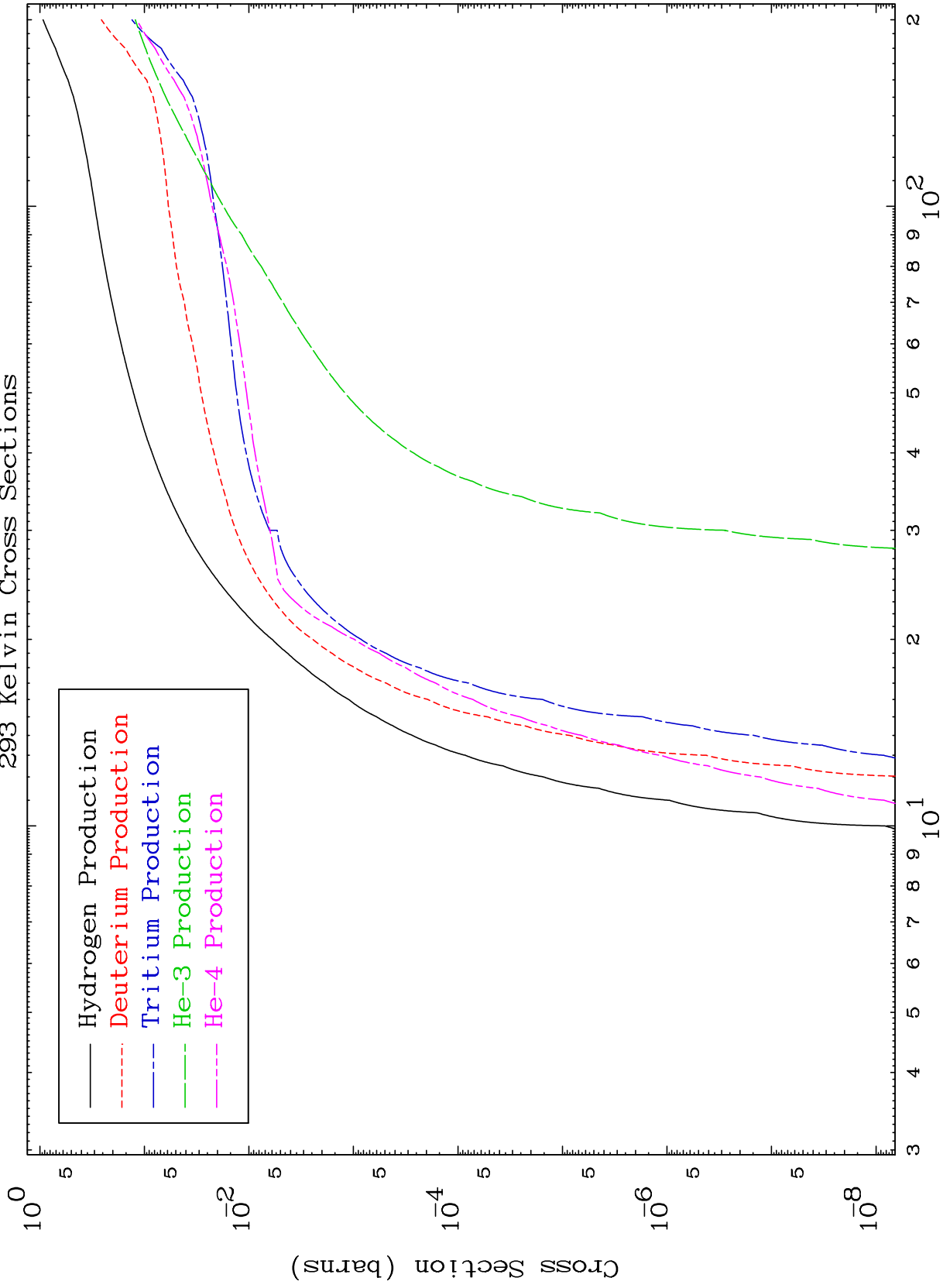
41-Nb-105



MAT 4161

Particle Production
293 Kelvin Cross Sections

41-Nb-105



5

Incident Energy (MeV)

41-Nb-105

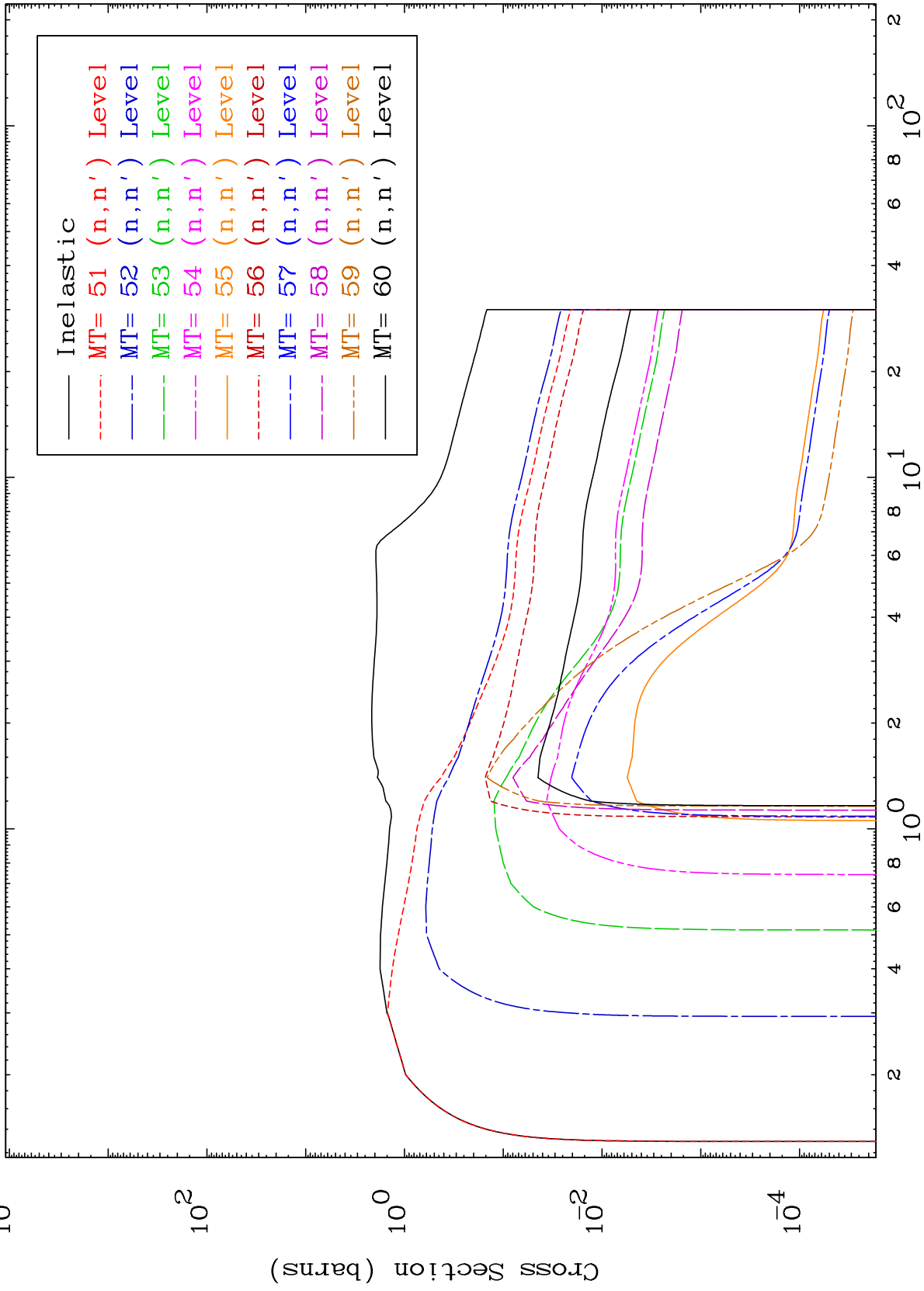
MAT 4161

(n,n') Level

41-Nb-105

293 Kelvin Cross Sections

41-Nb-105

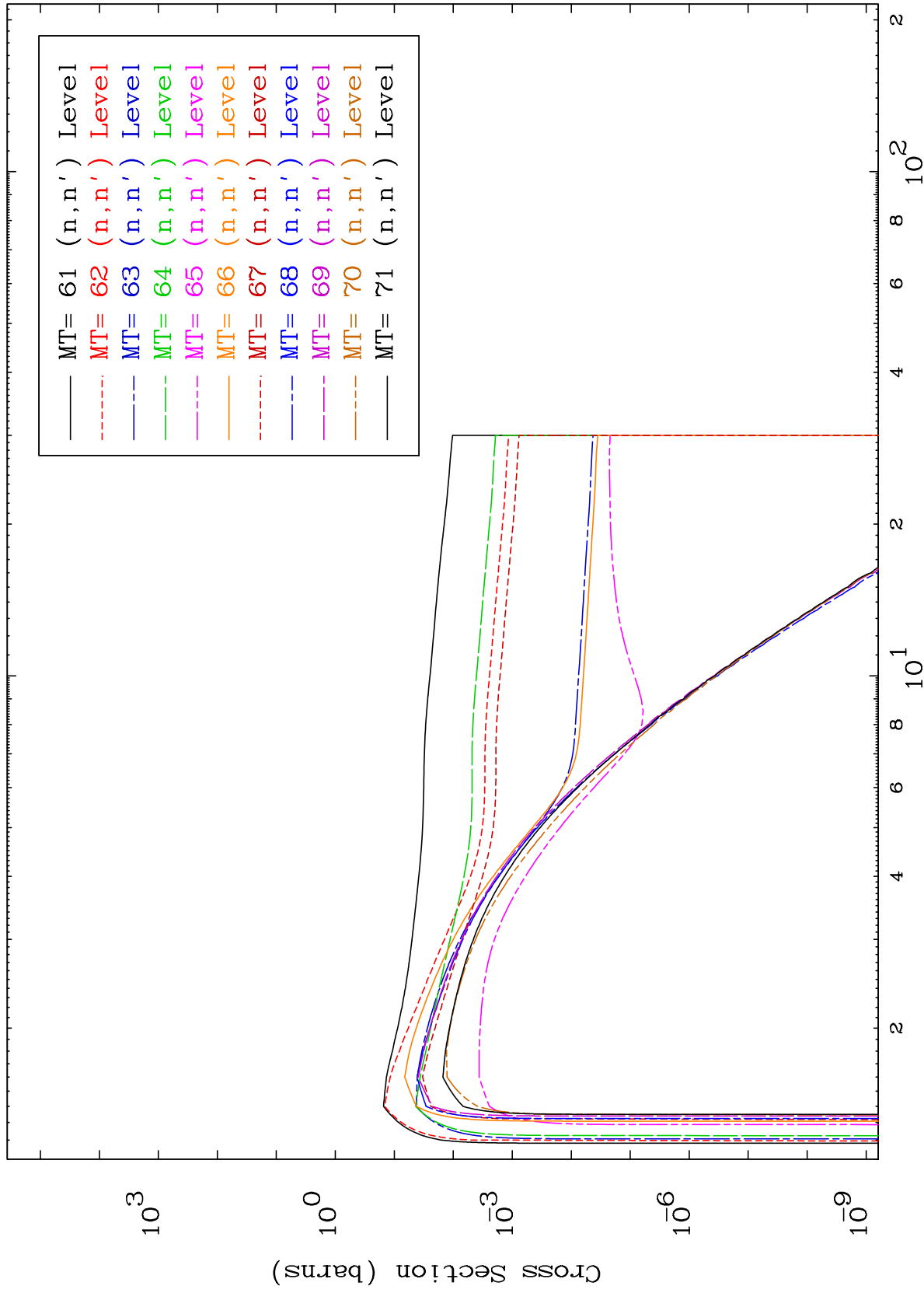


MAT 4161

(n,n') Level

41-Nb-105

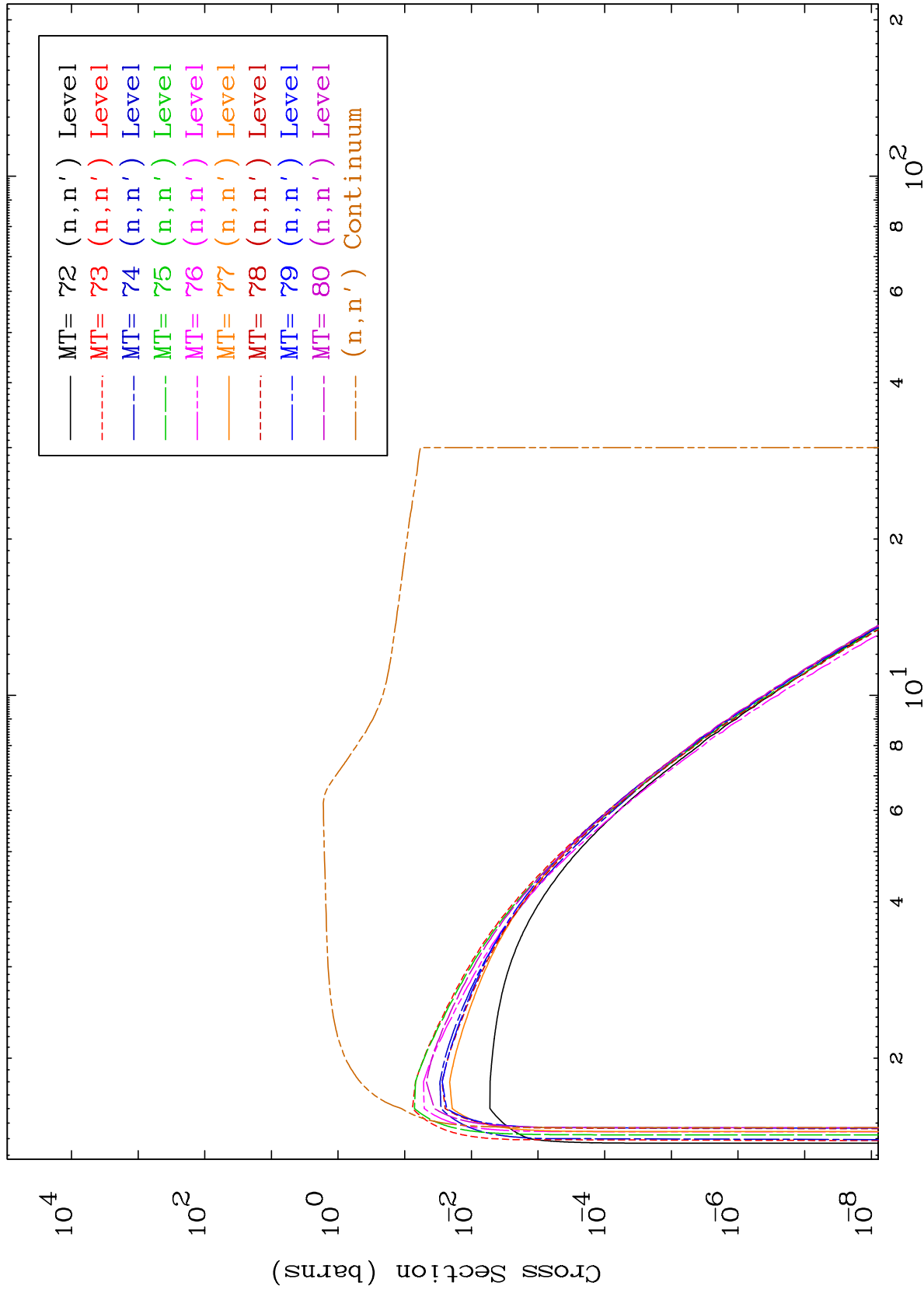
293 Kelvin Cross Sections



7

Incident Energy (MeV)

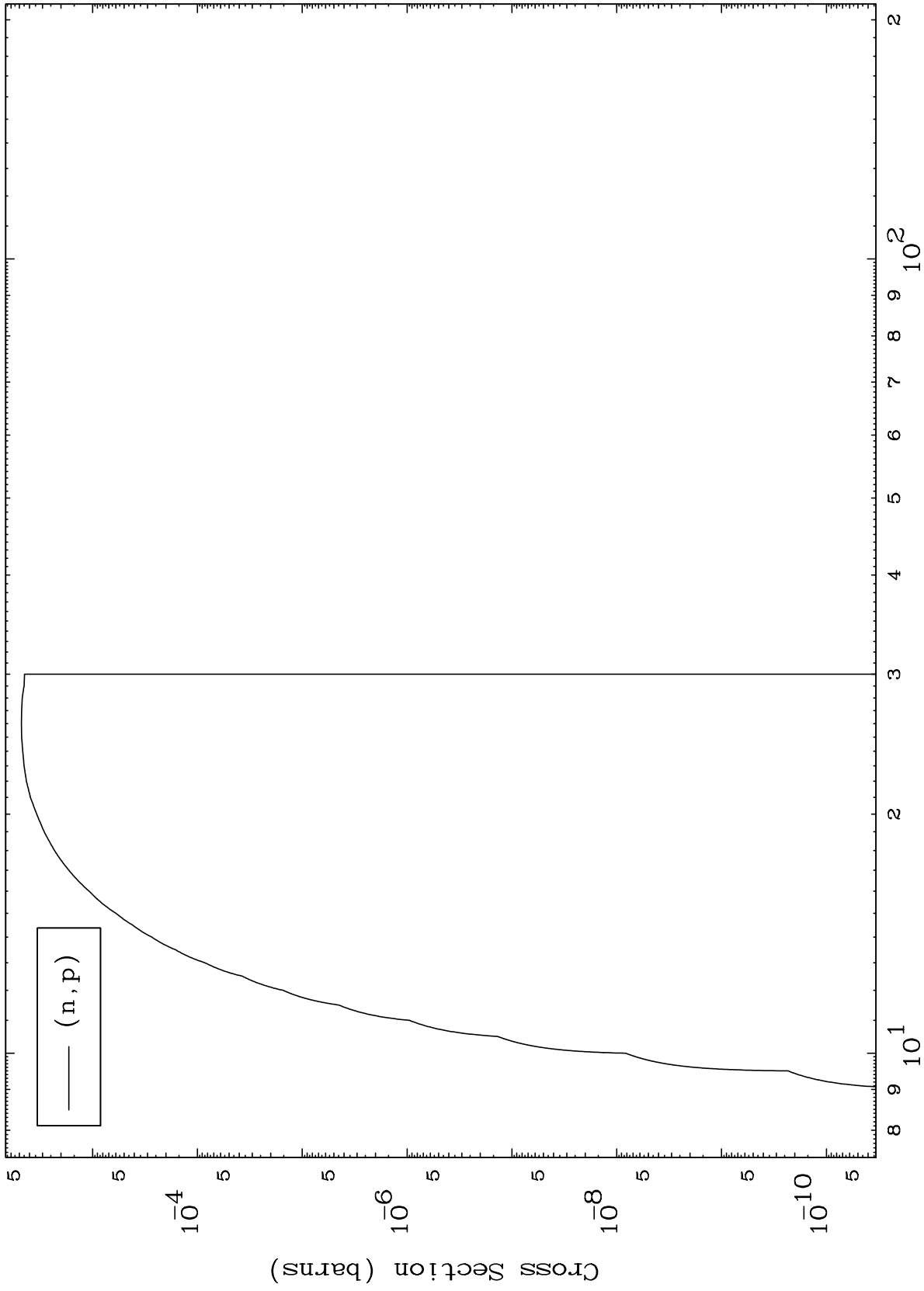
41-Nb-105



MAT 4161

(n,p) Levels
293 Kelvin Cross Sections

41-Nb-105



9

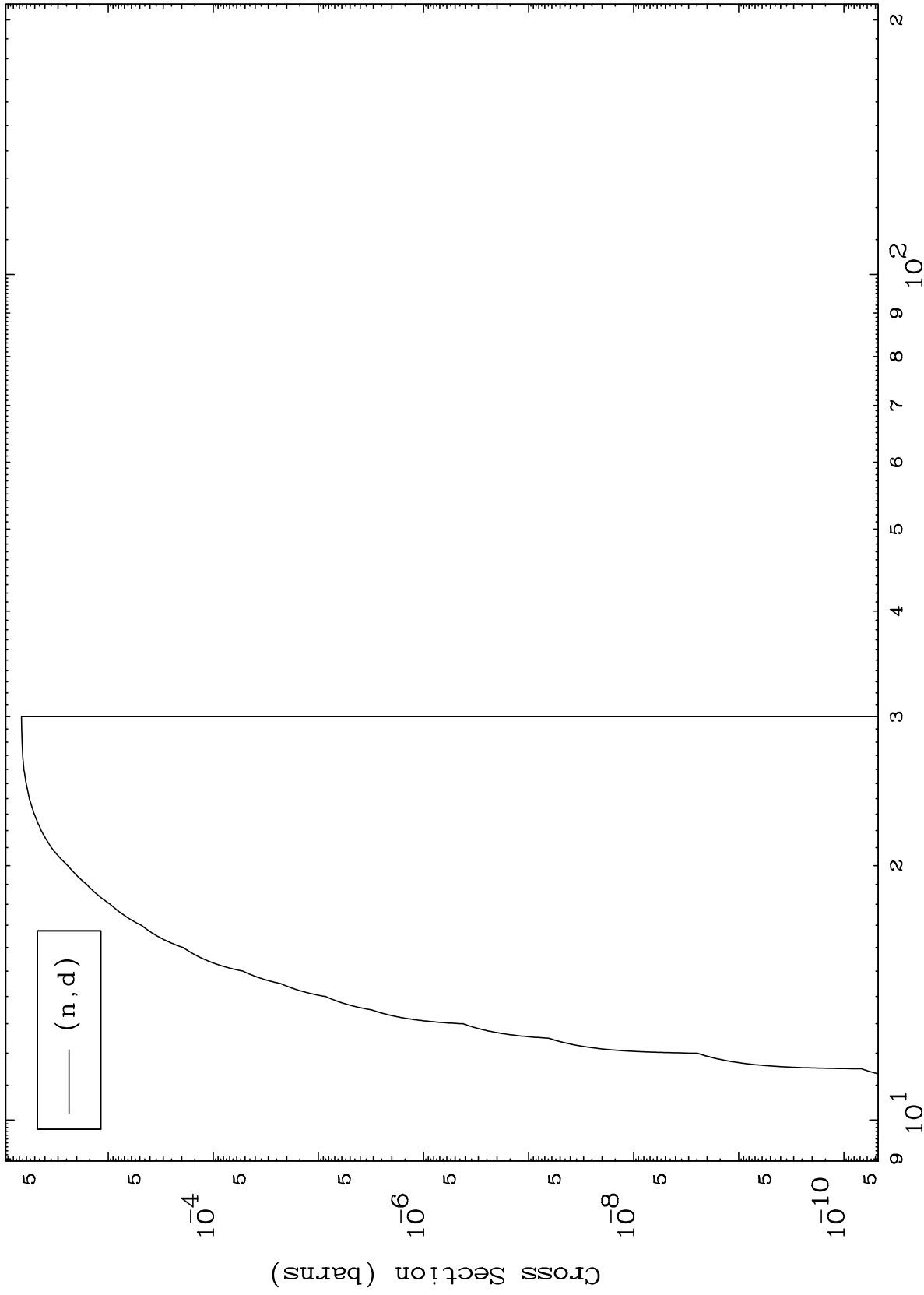
Incident Energy (MeV)

41-Nb-105

MAT 4161

(n,d) Levels
293 Kelvin Cross Sections

41-Nb-105



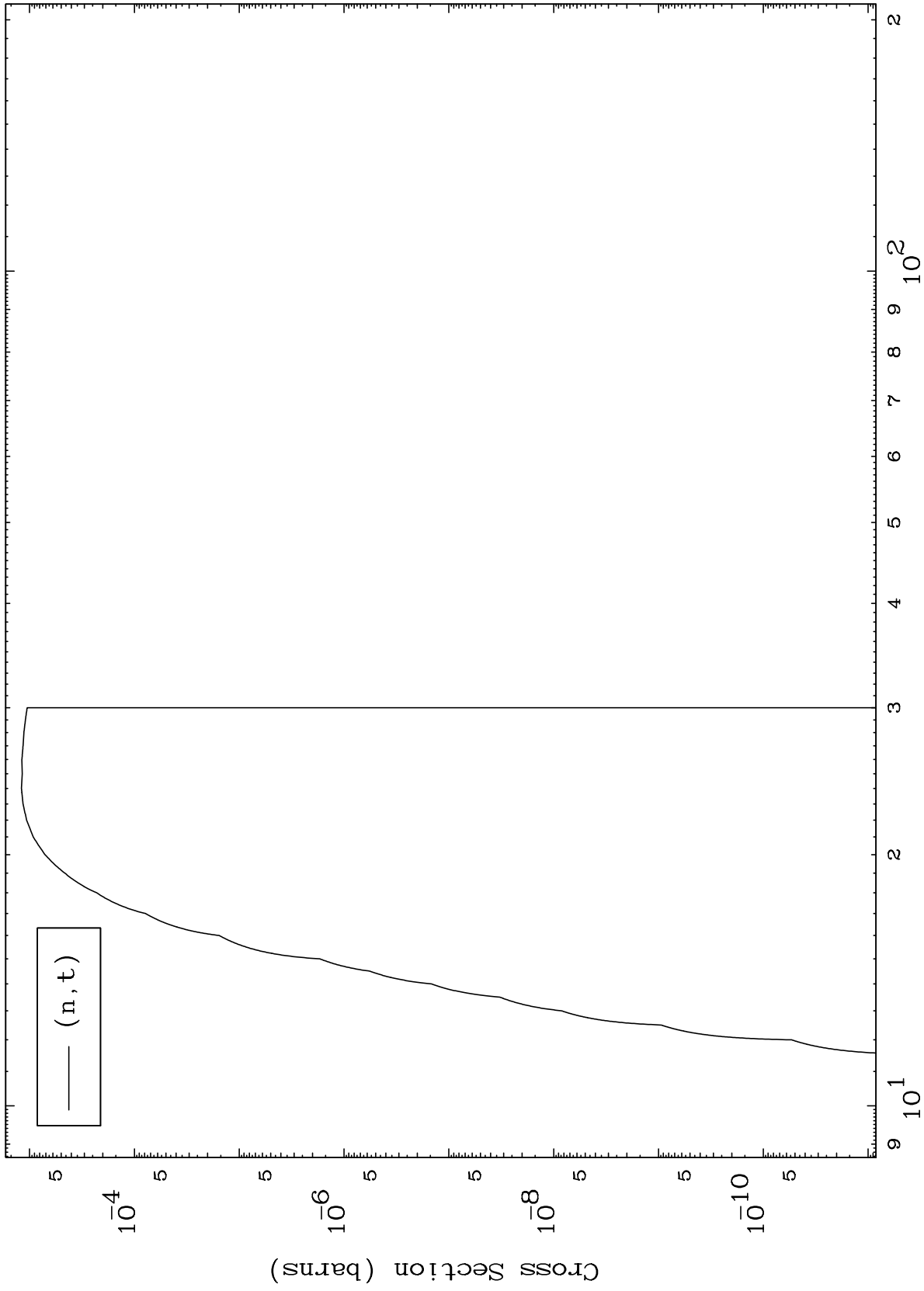
Incident Energy (MeV)

41-Nb-105

MAT 4161

(n,t) Levels
293 Kelvin Cross Sections

41-Nb-105



11

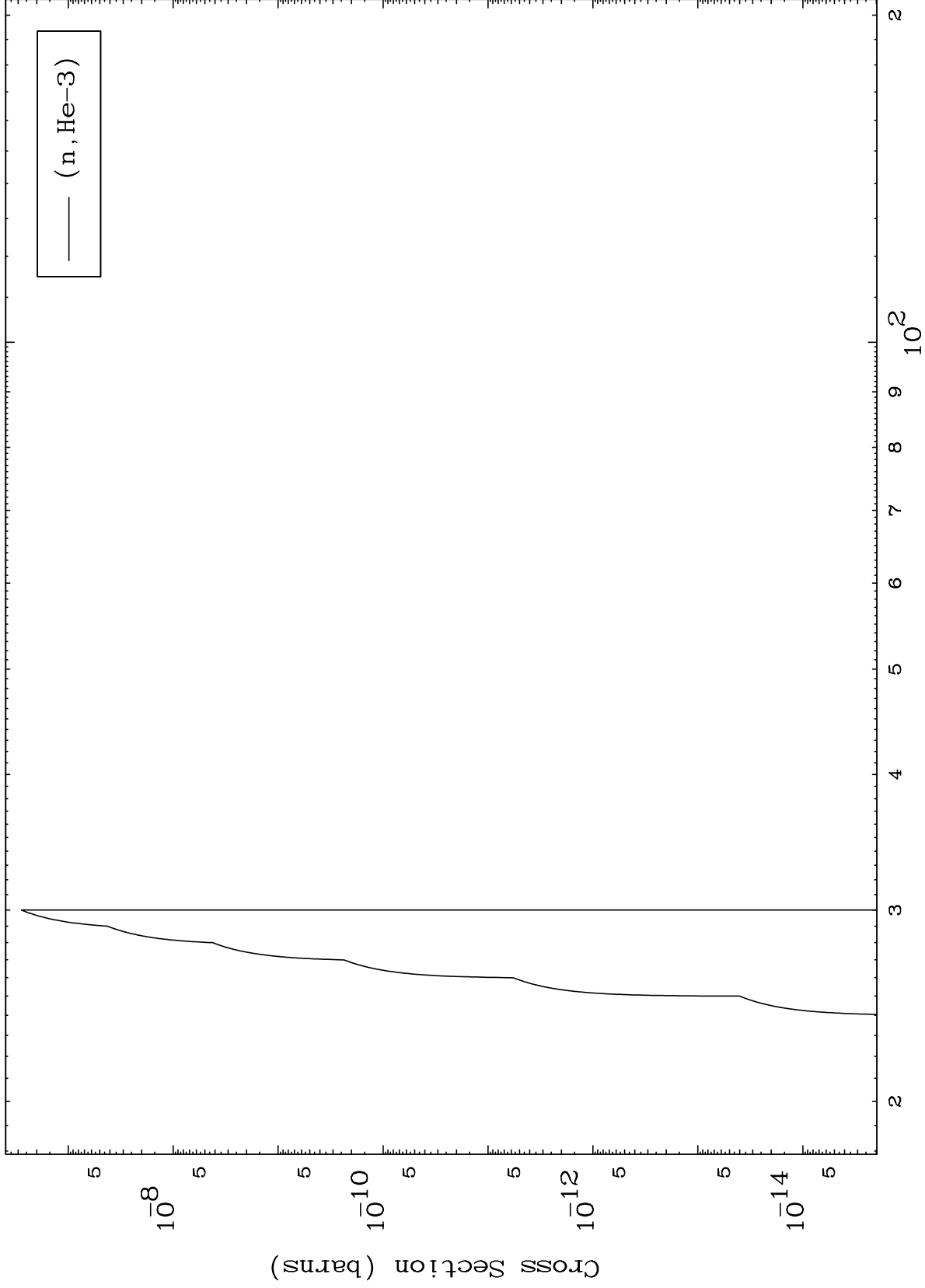
Incident Energy (MeV)

41-Nb-105

MAT 4161

(n,He3) Levels
293 Kelvin Cross Sections

41-Nb-105



12

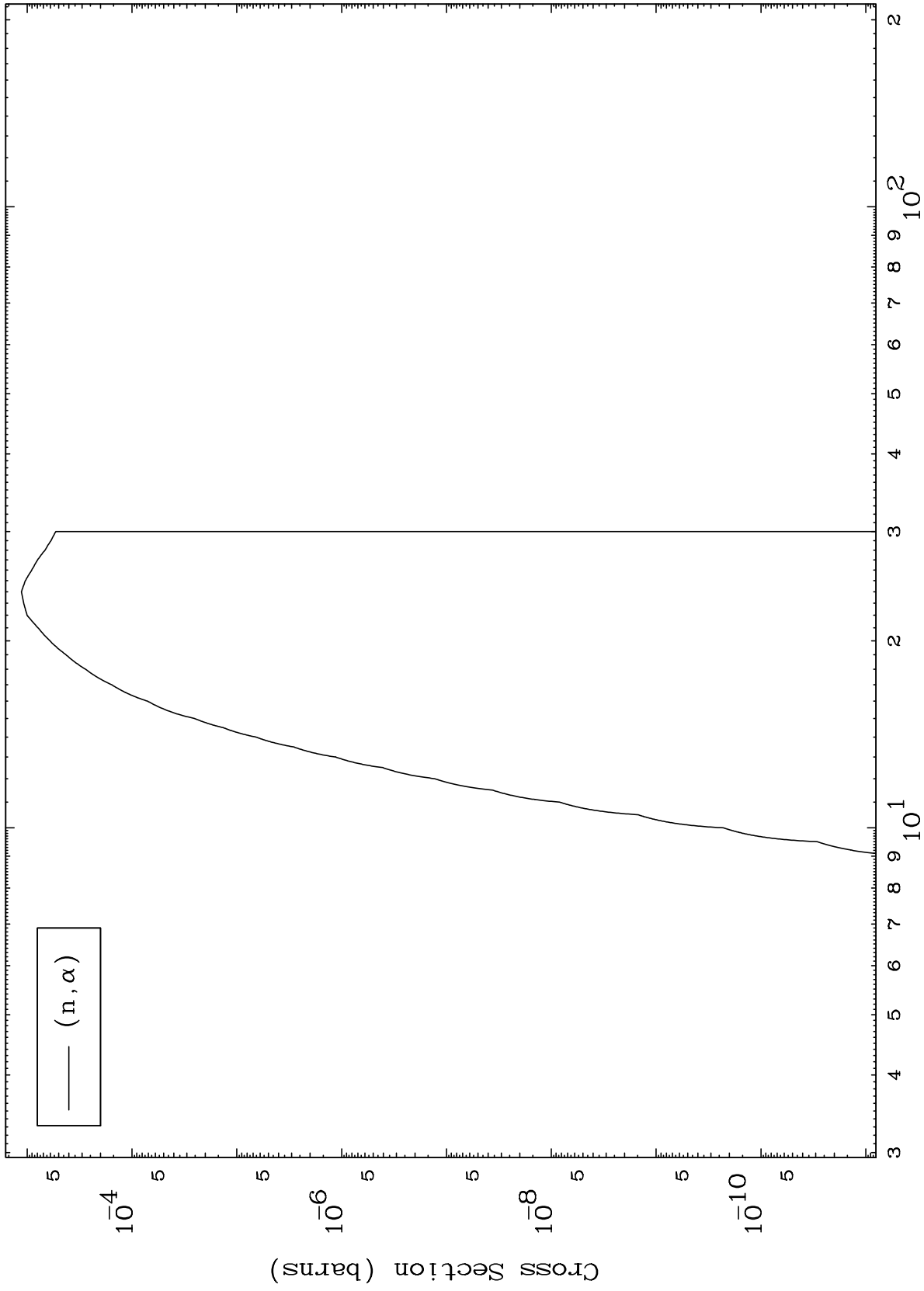
Incident Energy (MeV)

41-Nb-105

MAT 4161

(n,α) Levels
293 Kelvin Cross Sections

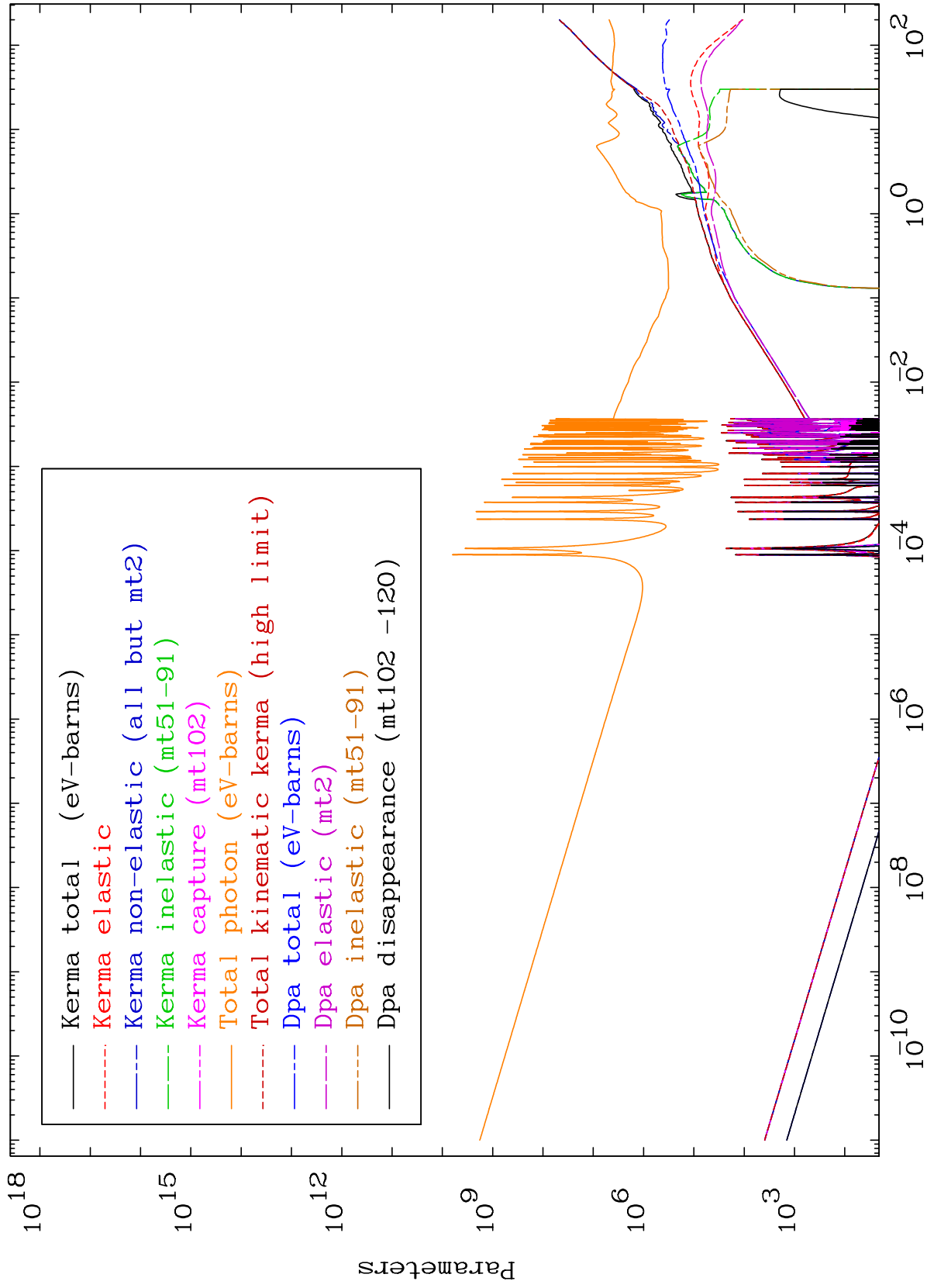
41-Nb-105



13

Incident Energy (MeV)

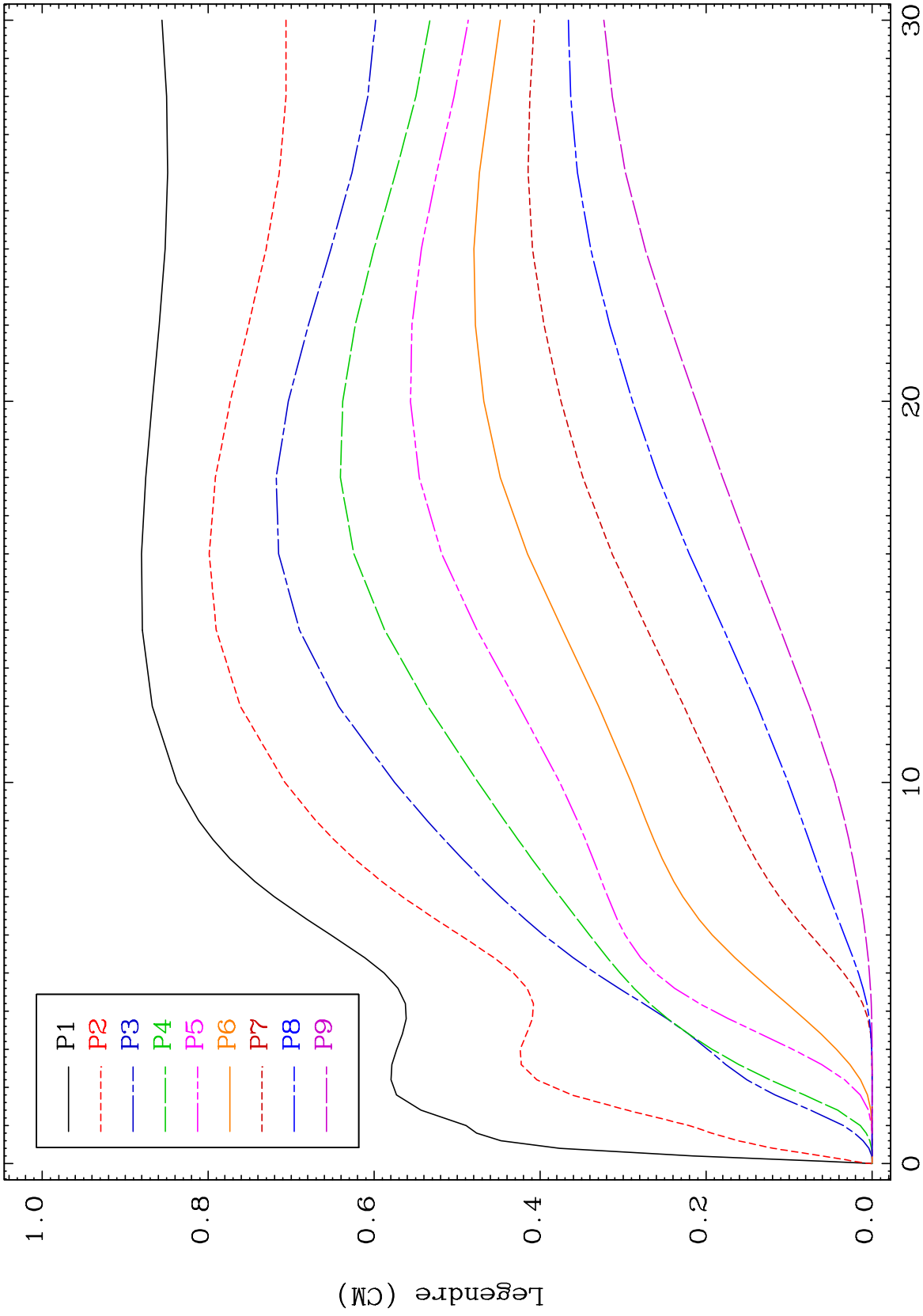
41-Nb-105



MAT 4161

Elastic Legendre Coefficients

41-Nb-105



15

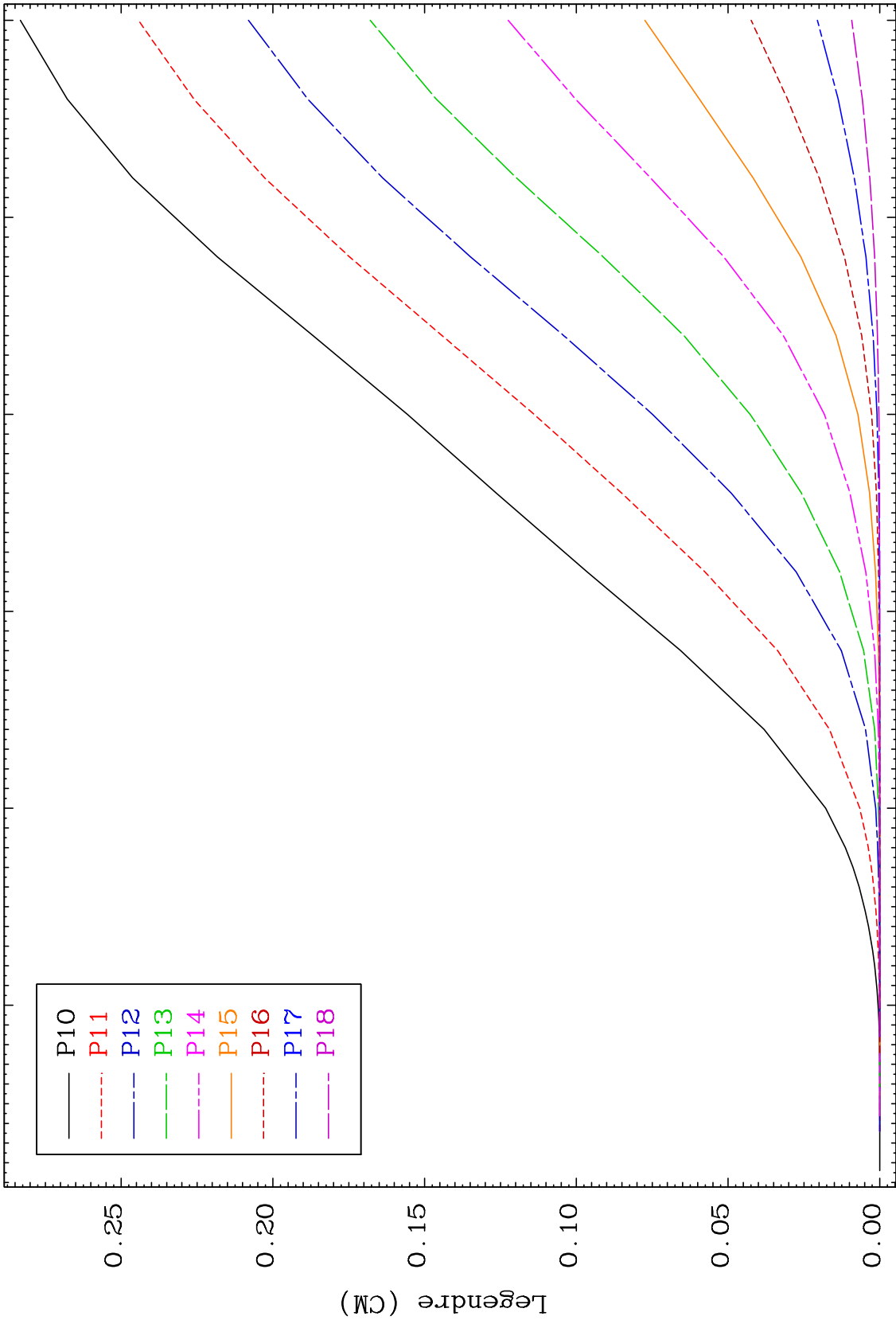
Incident Energy (MeV)

41-Nb-105

MAT 4161

Elastic
Legendre Coefficients

41-Nb-105



16

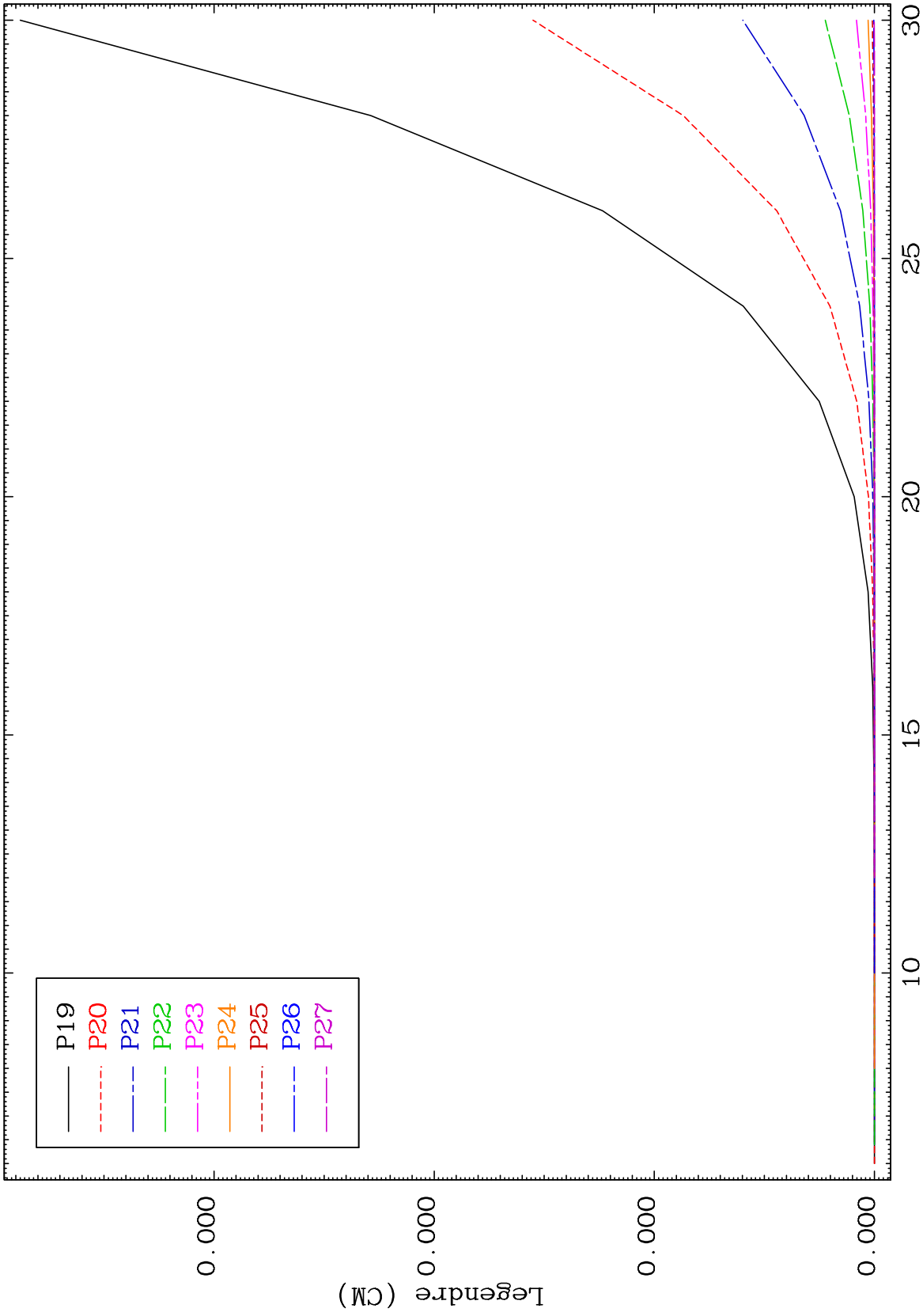
Incident Energy (MeV)

41-Nb-105

MAT 4161

Elastic Legendre Coefficients

41-Nb-105



17

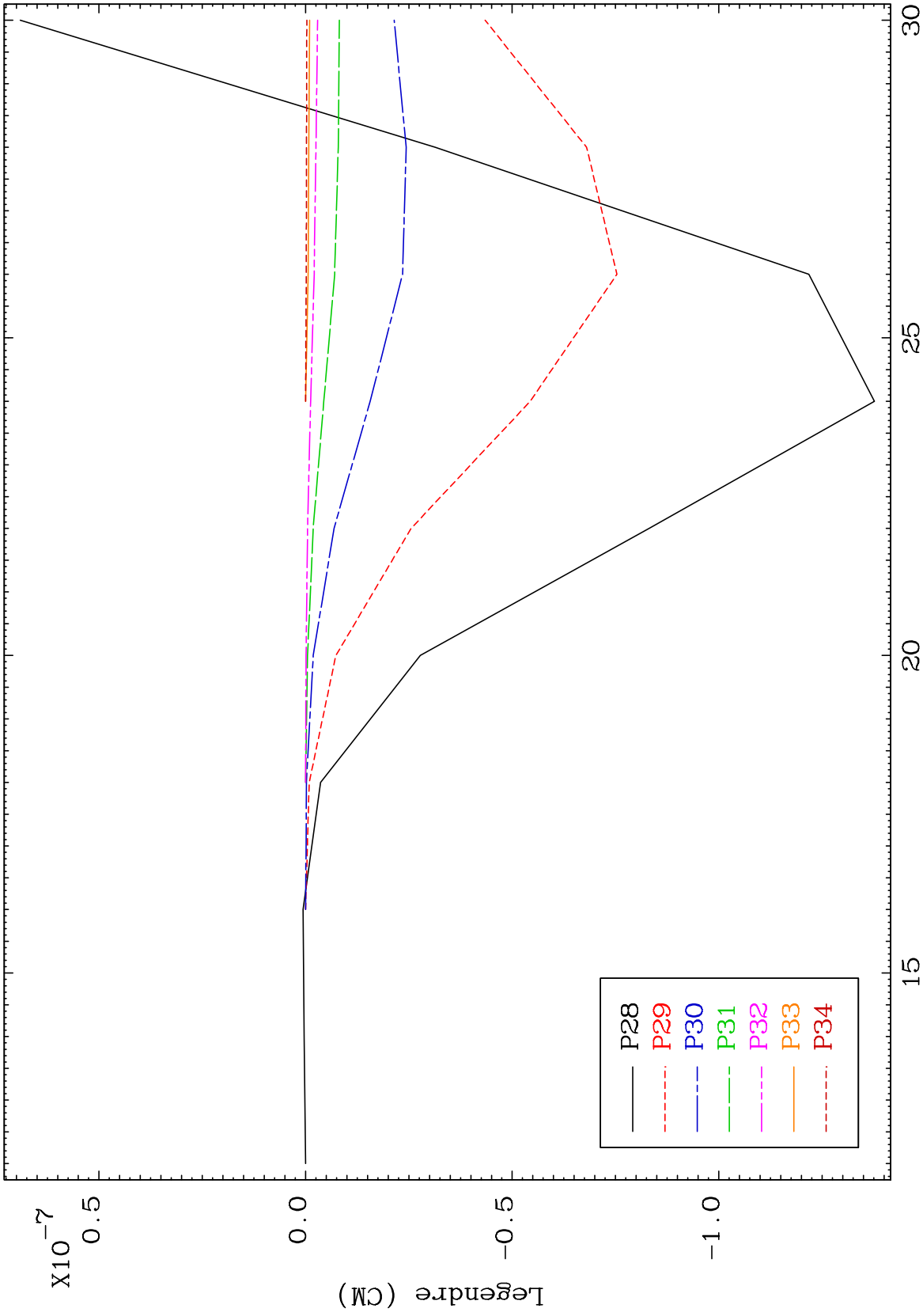
Incident Energy (MeV)

41-Nb-105

MAT 4161

Elastic Legendre Coefficients

41-Nb-105



18

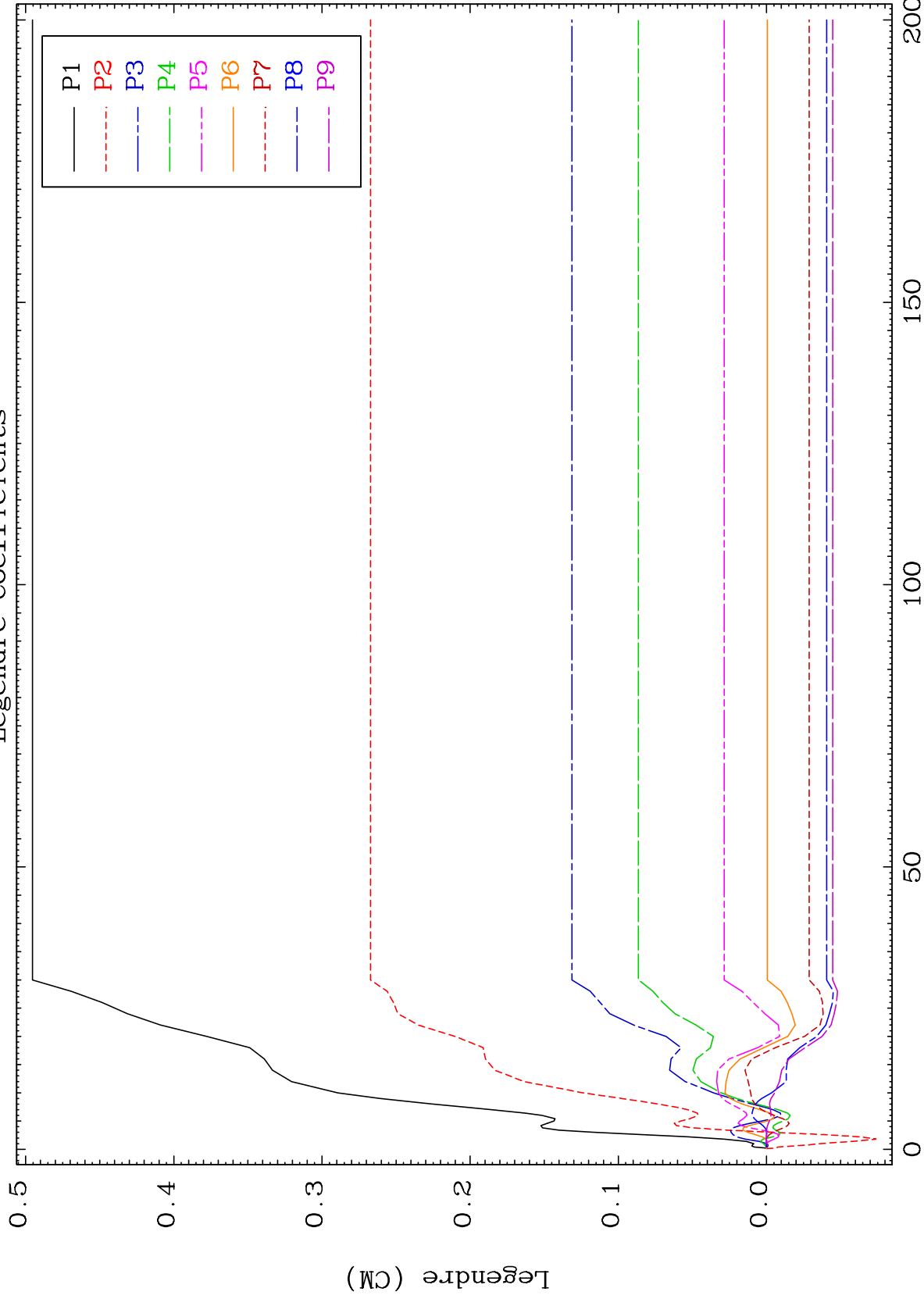
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



19

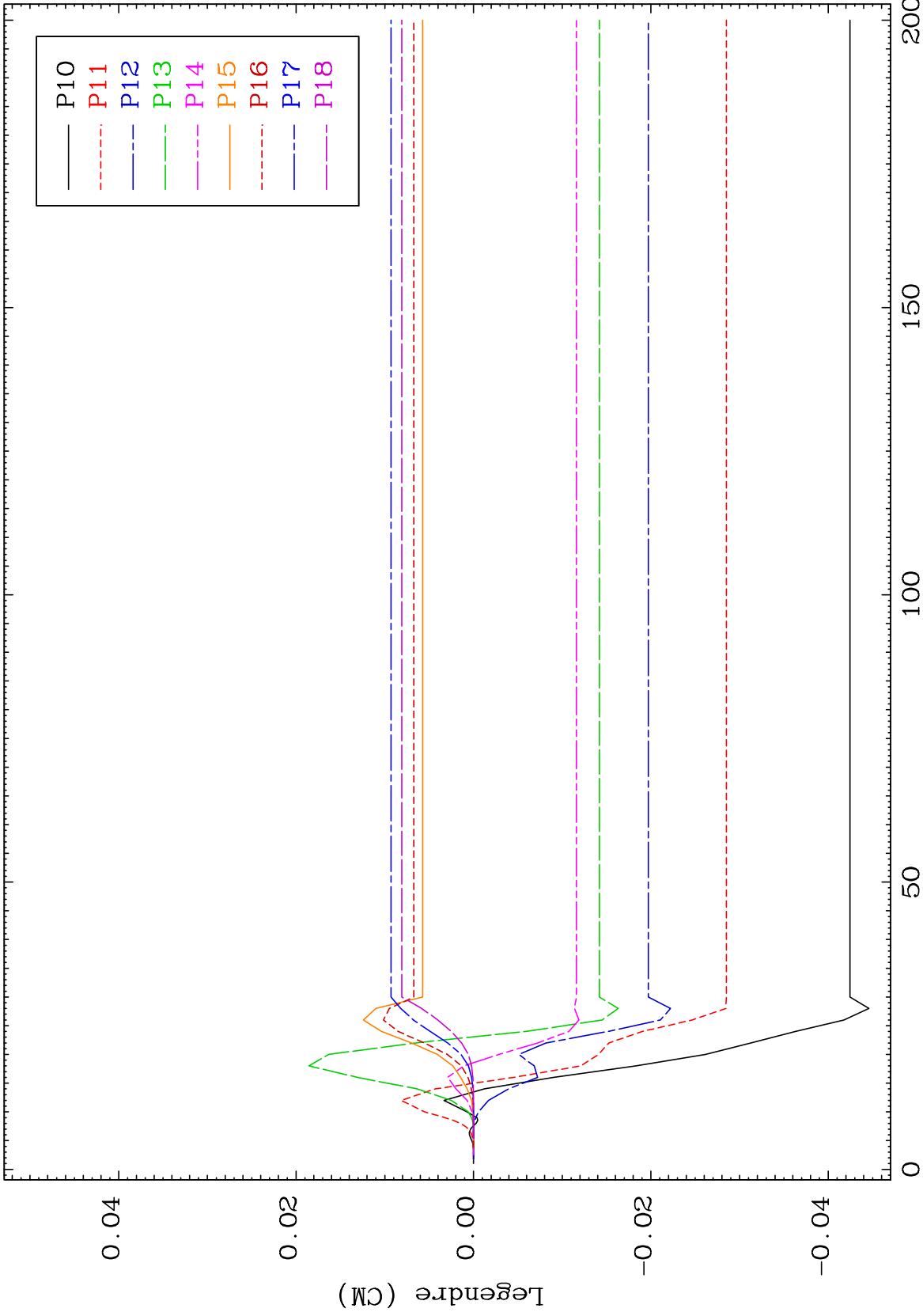
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



0

50

100

150

200

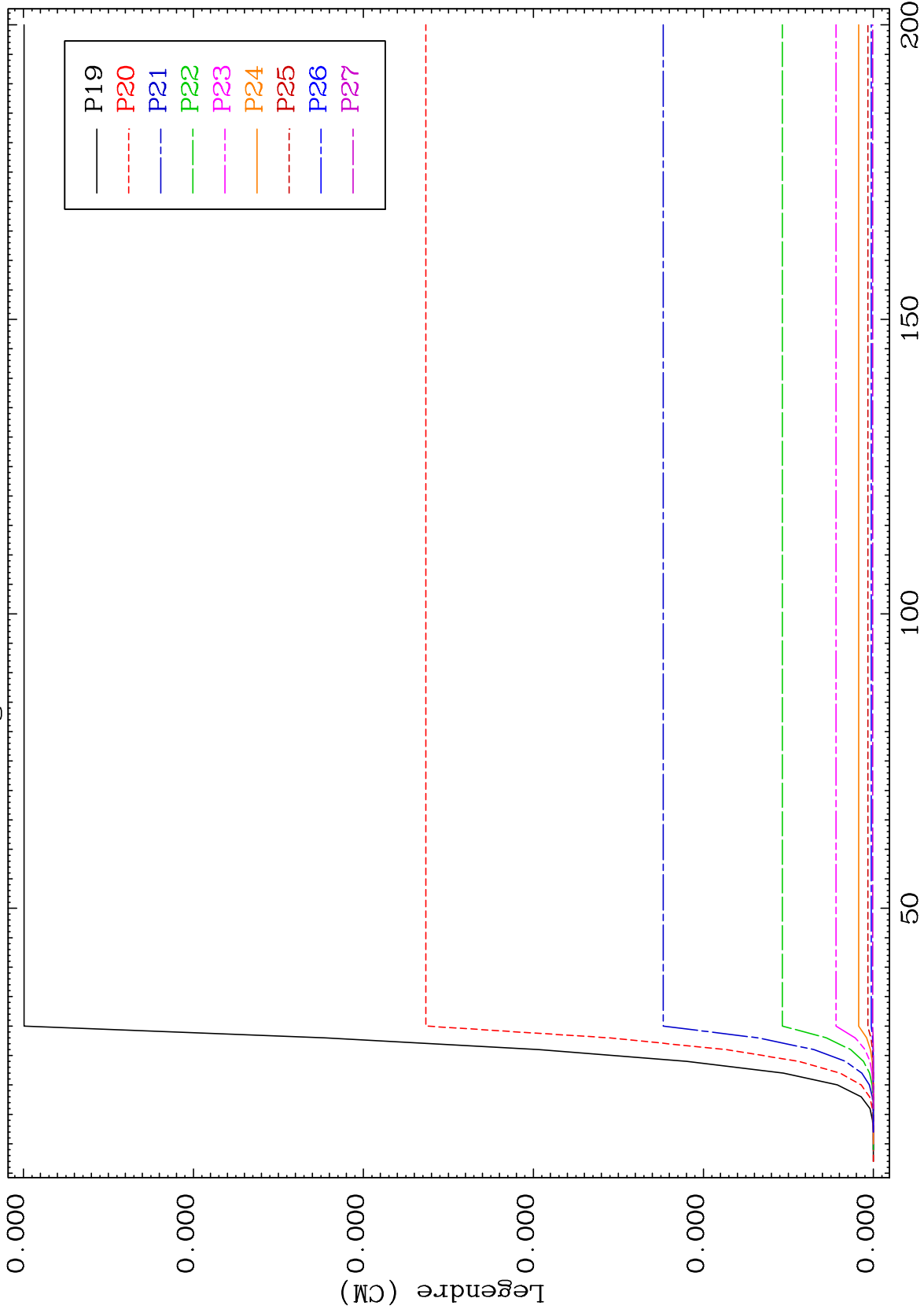
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



21

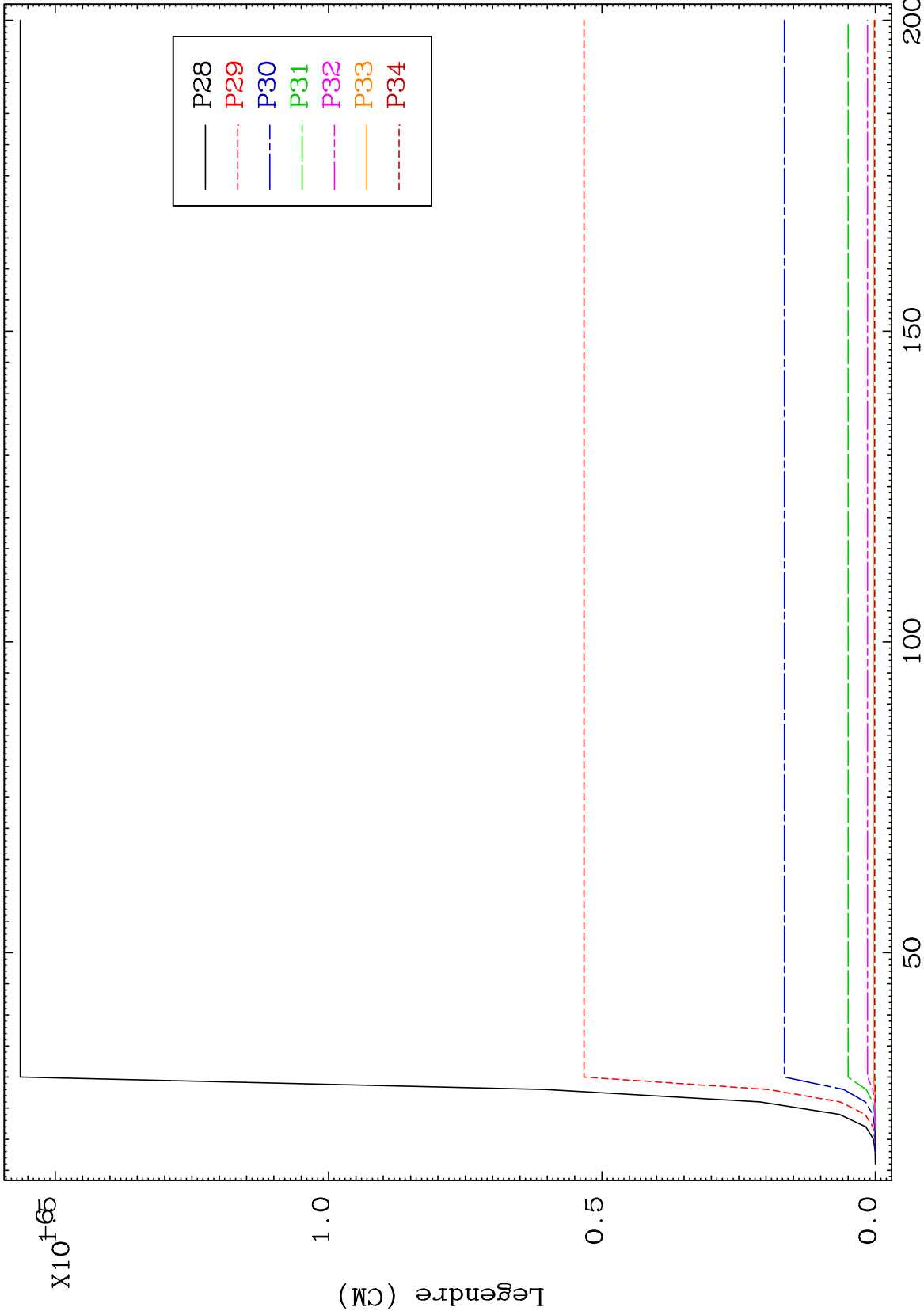
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



22

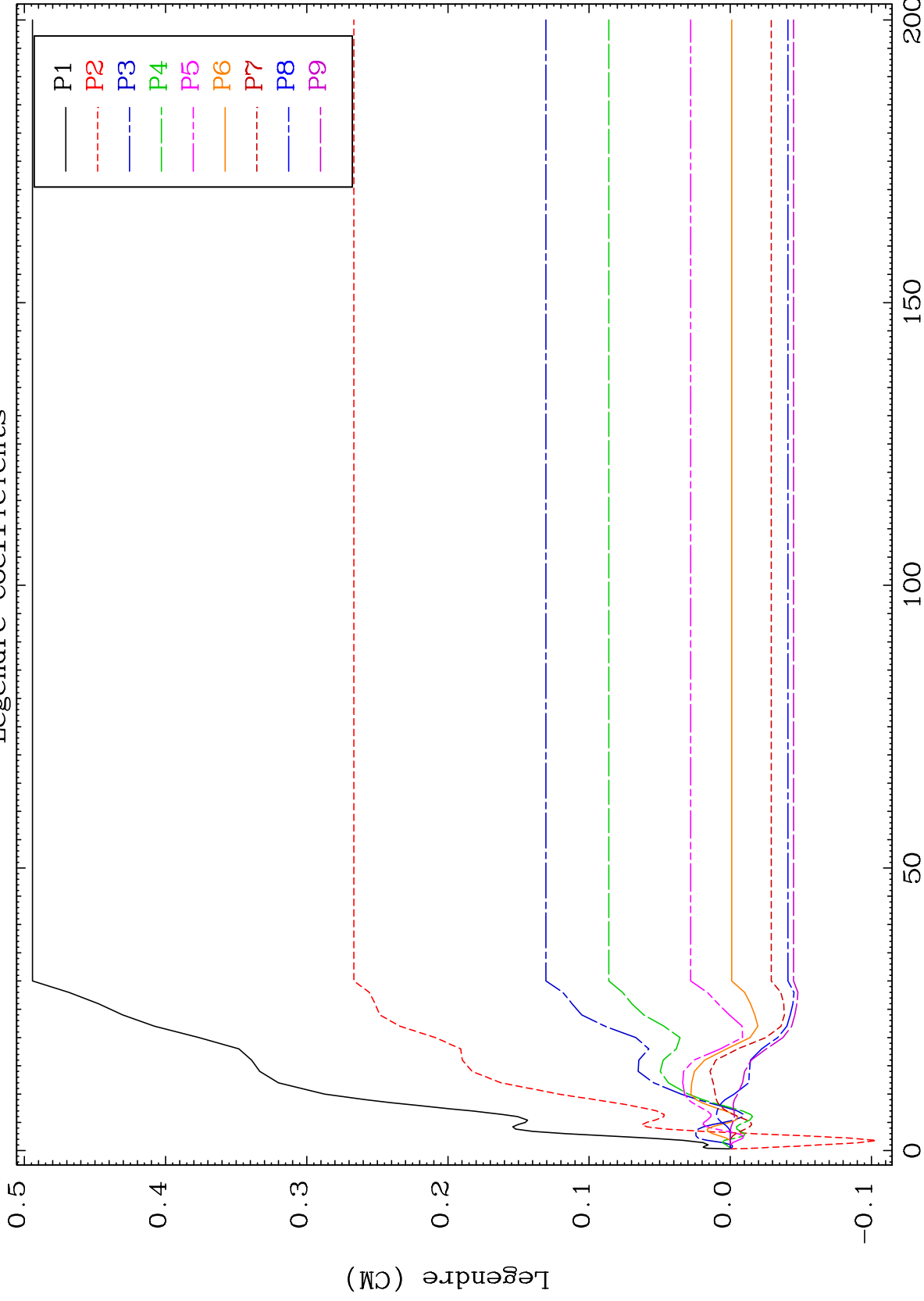
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



23

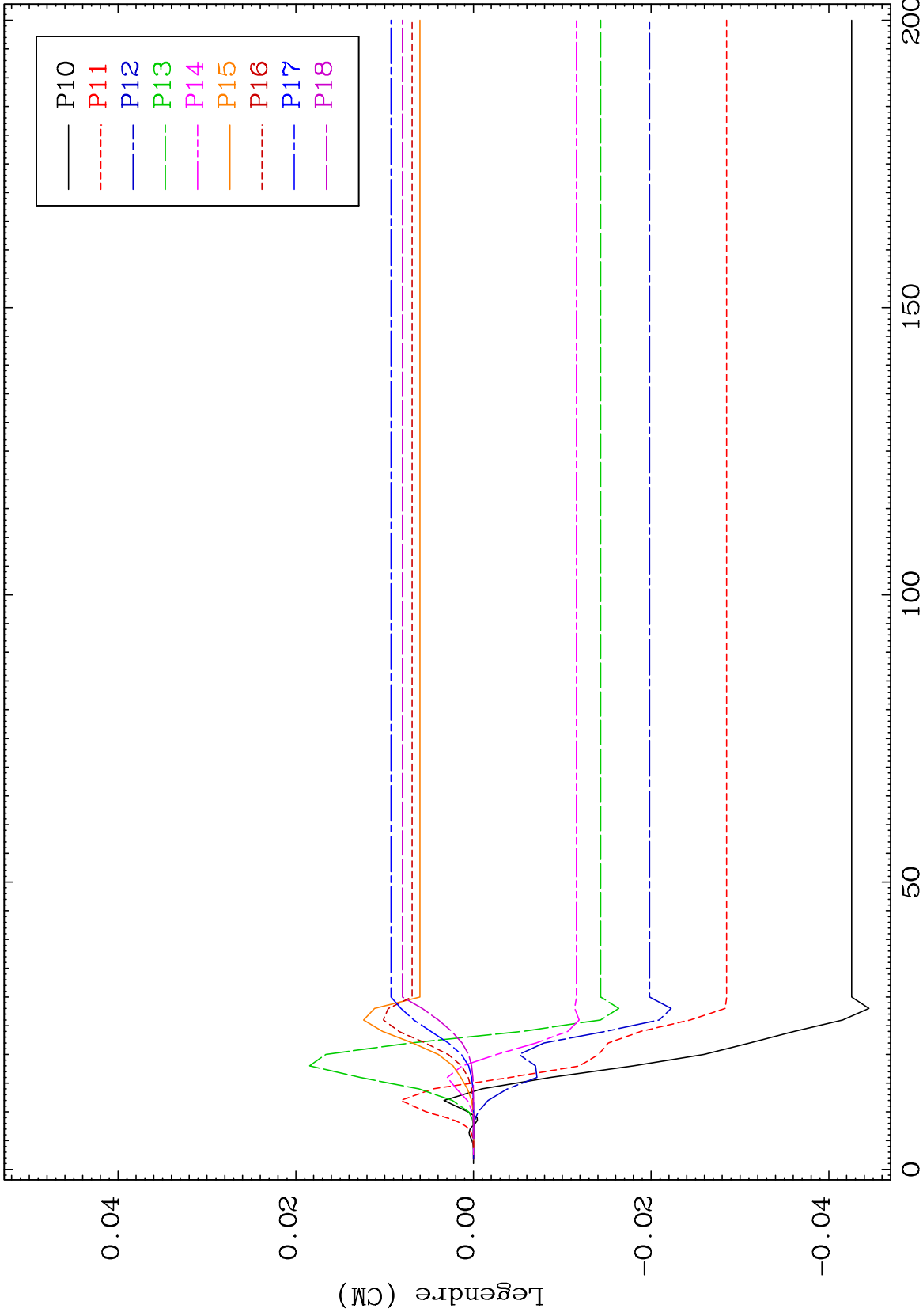
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105

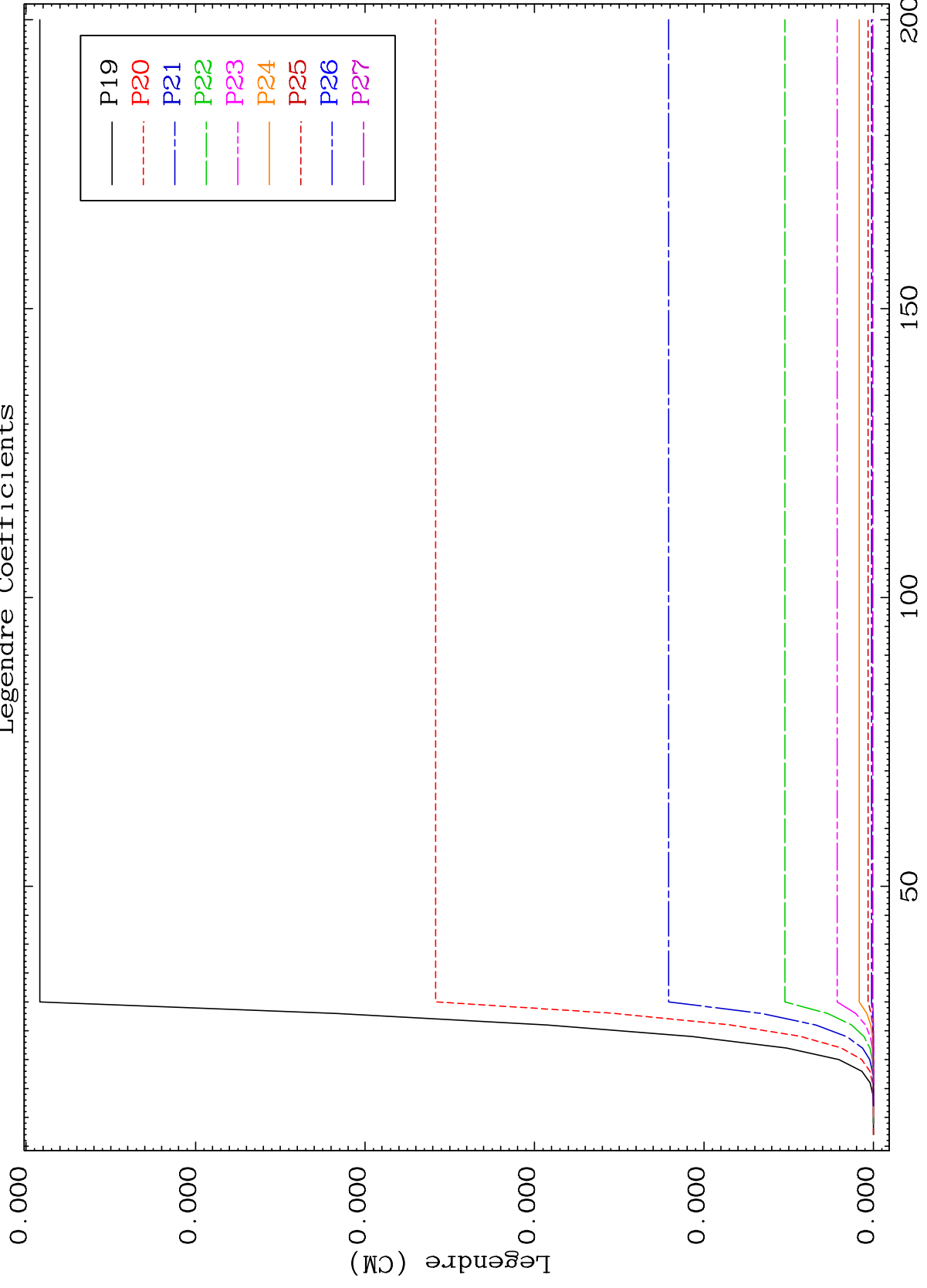


24

Incident Energy (MeV)

41-Nb-105

MAT 4161 MT= 52 (n,n') Level Legendre Coefficients 41-Nb-105

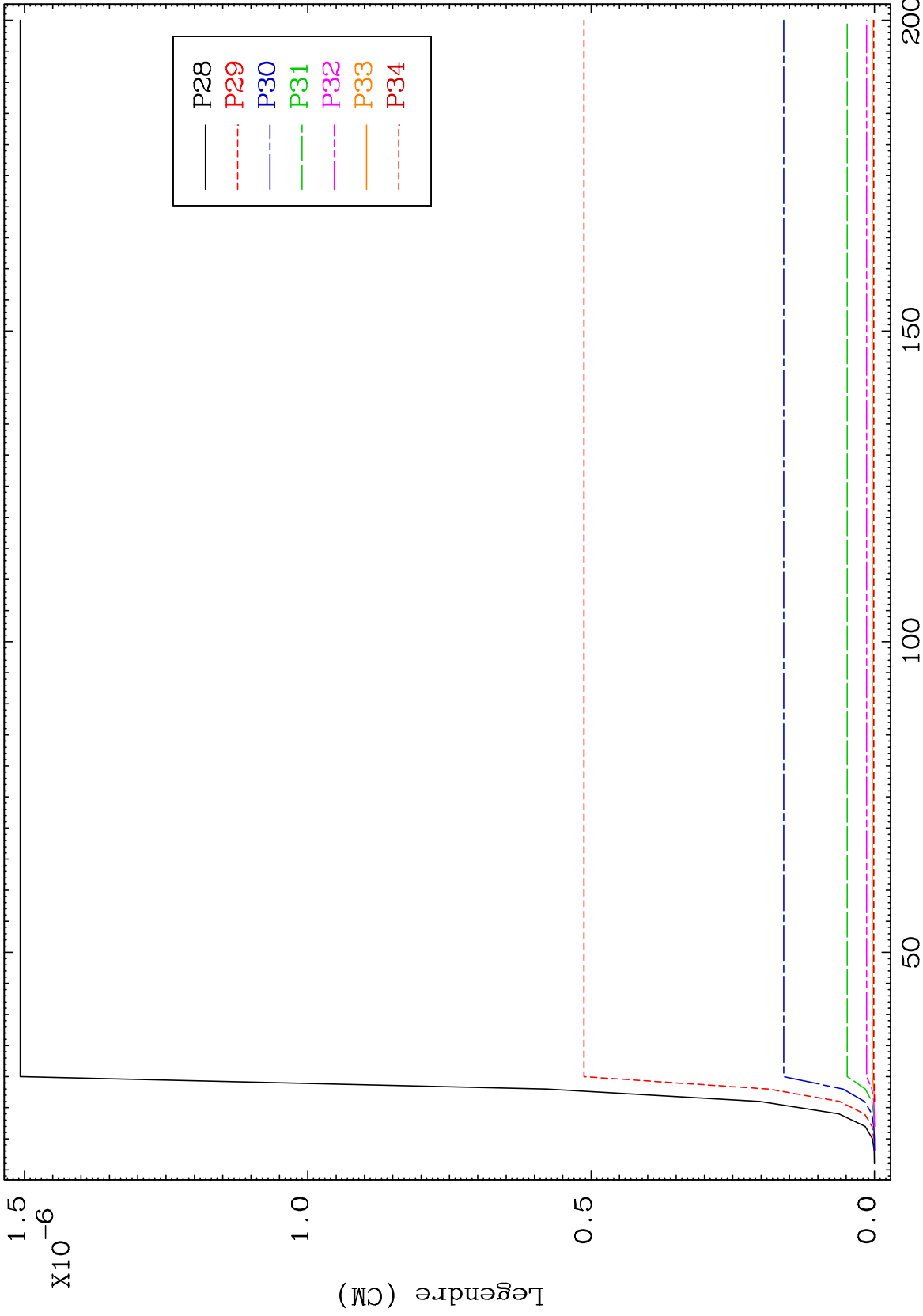


25 Incident Energy (MeV) 41-Nb-105

MAT 4161

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

41-Nb-105



26

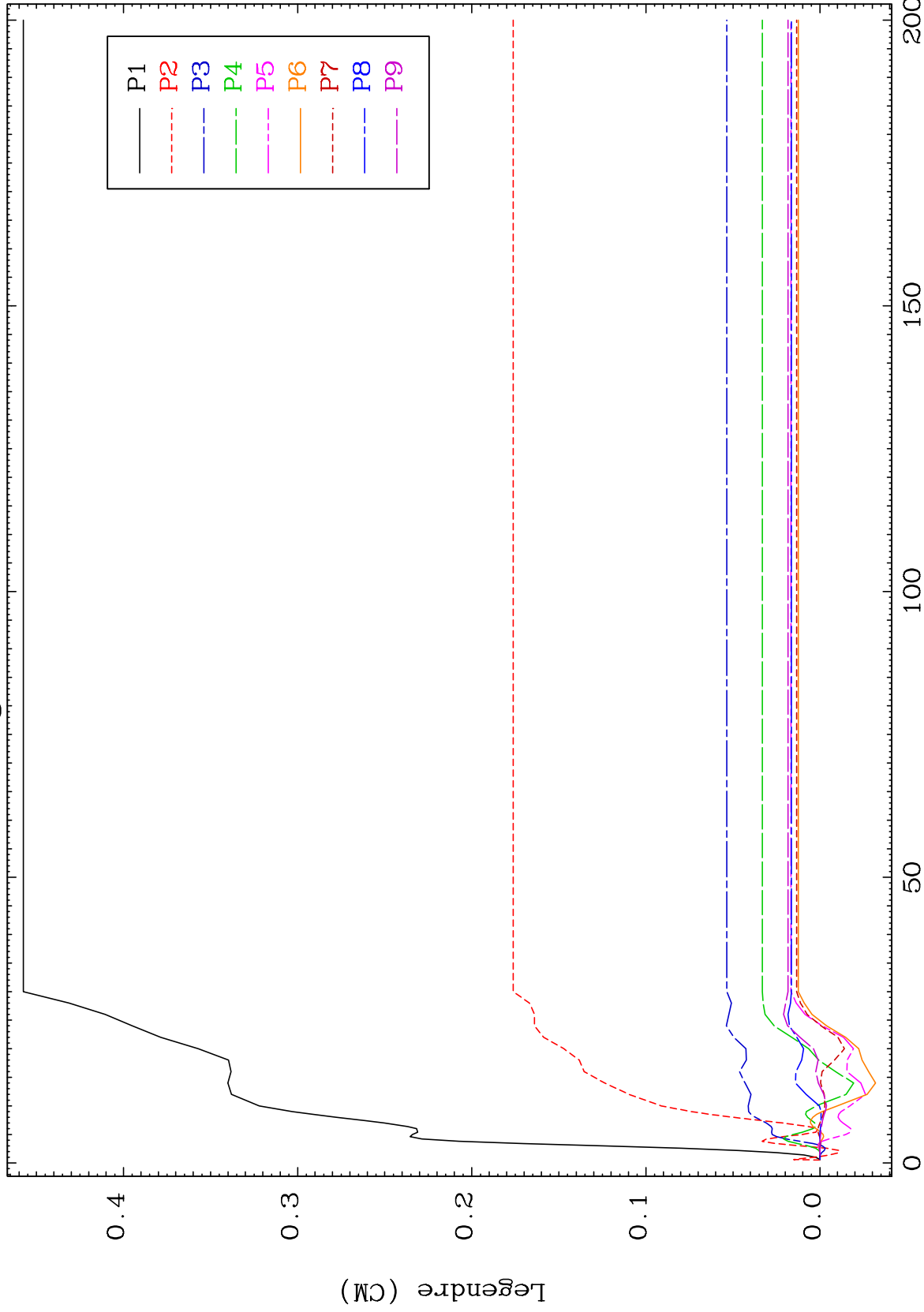
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



27

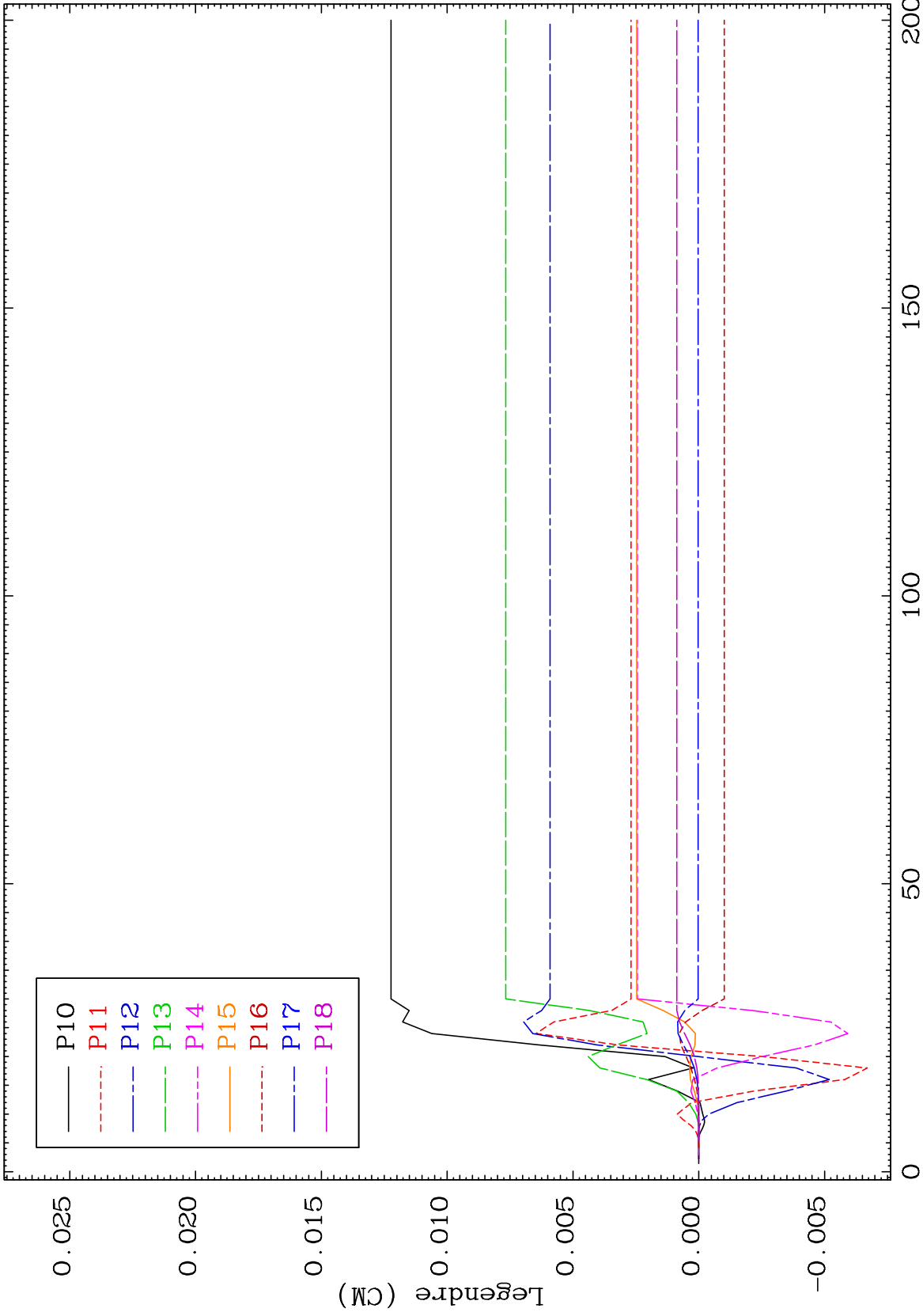
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



28

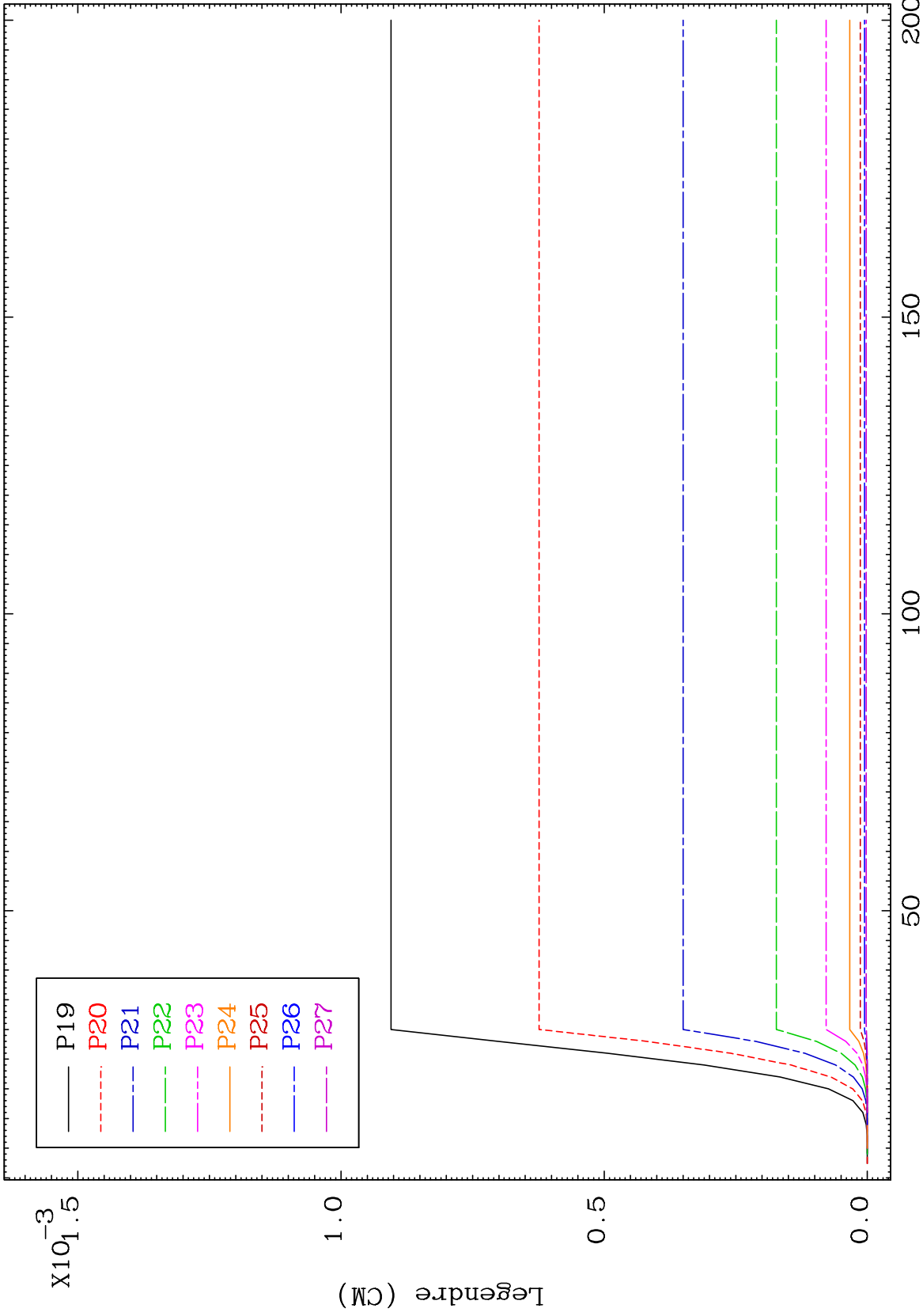
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



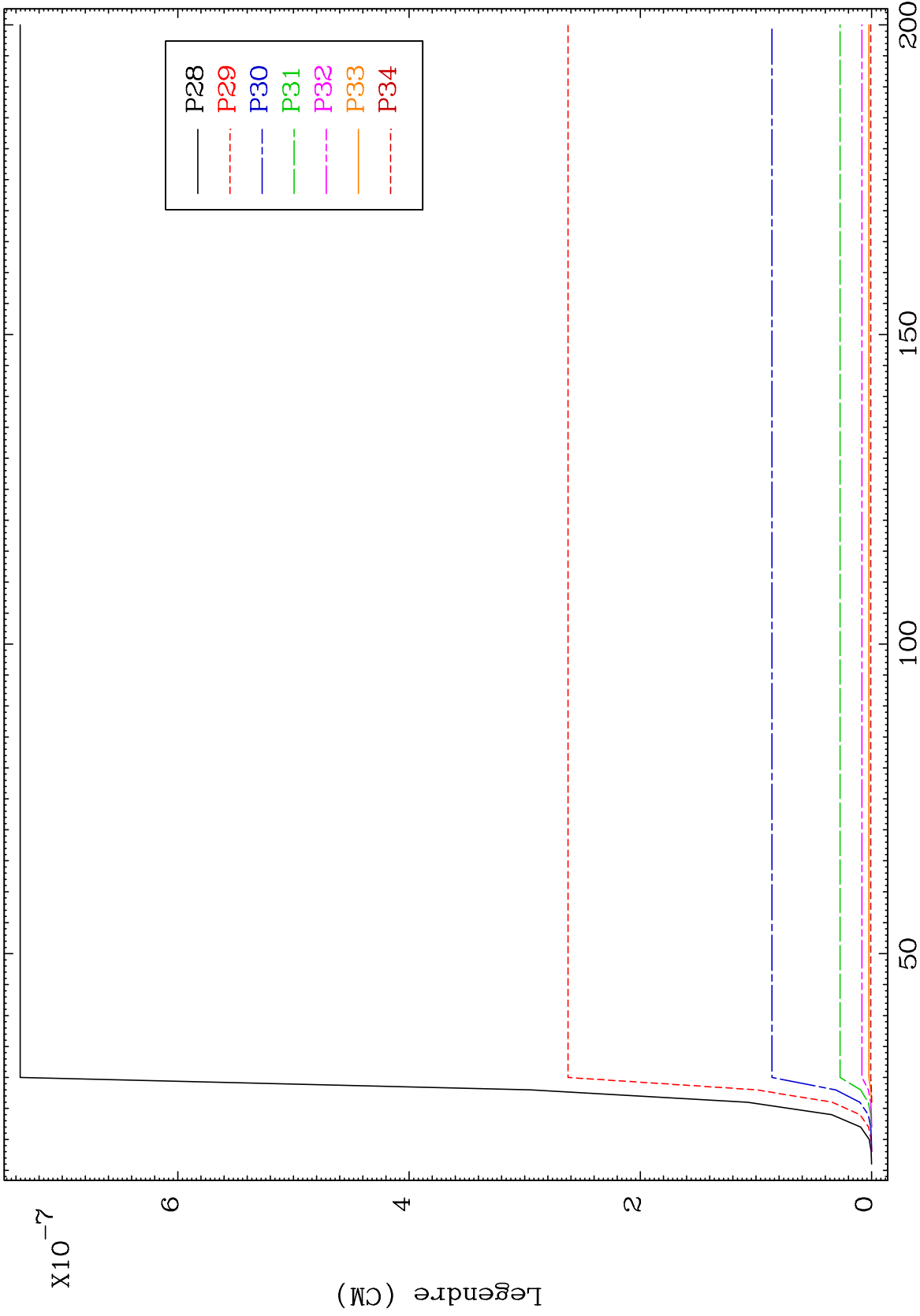
29

41-Nb-105

MAT 4161

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

41-Nb-105



30

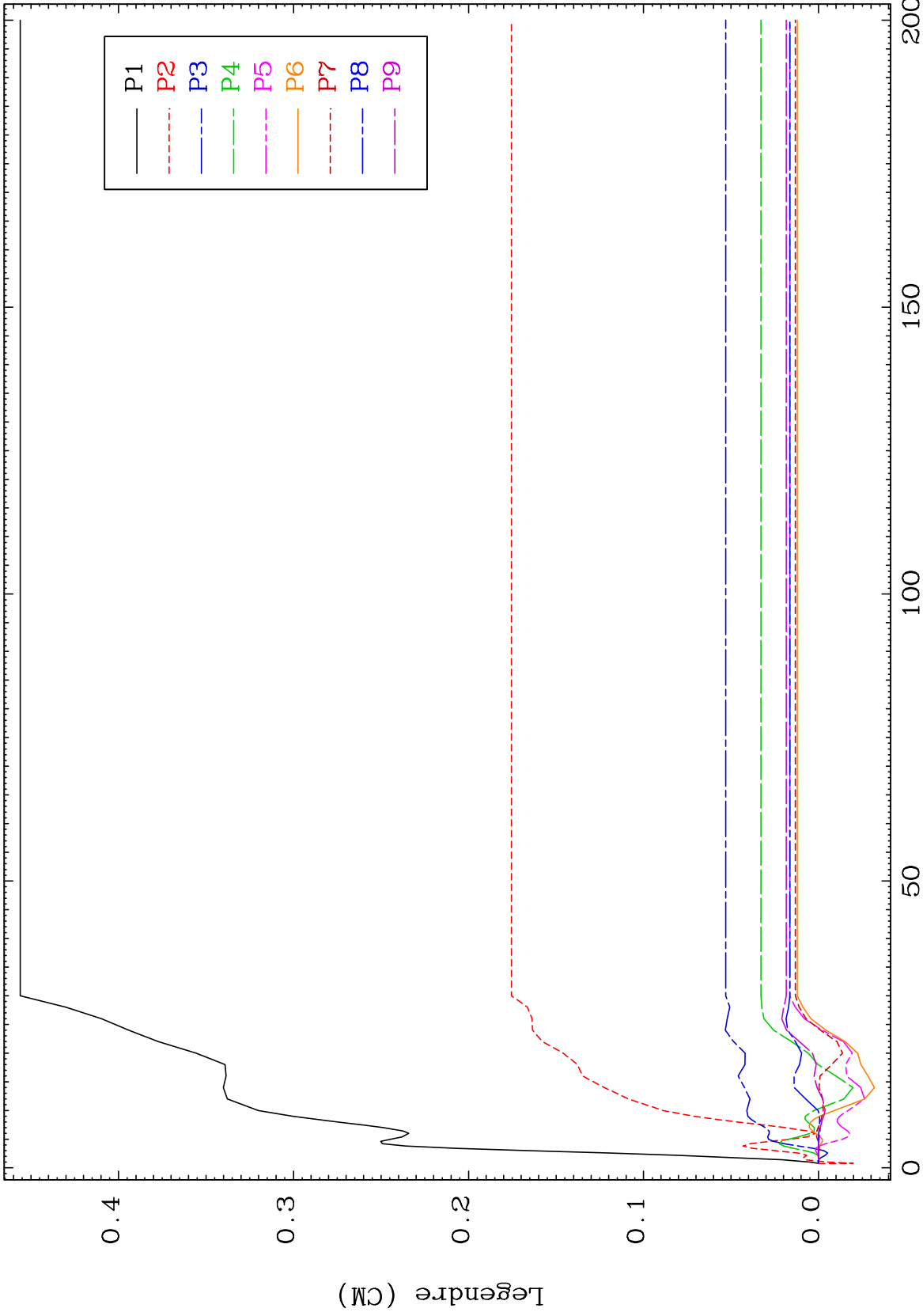
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



31

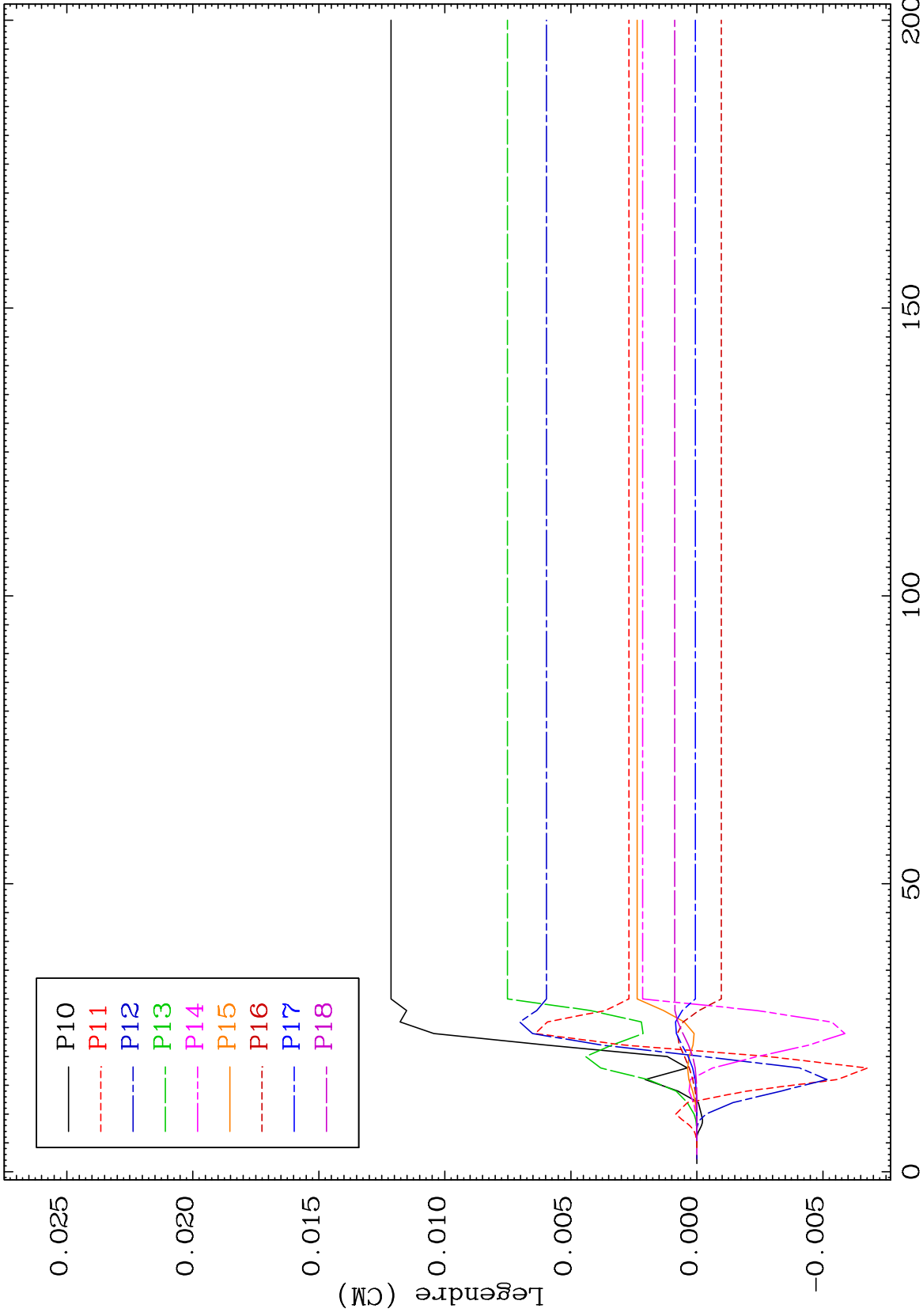
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



32

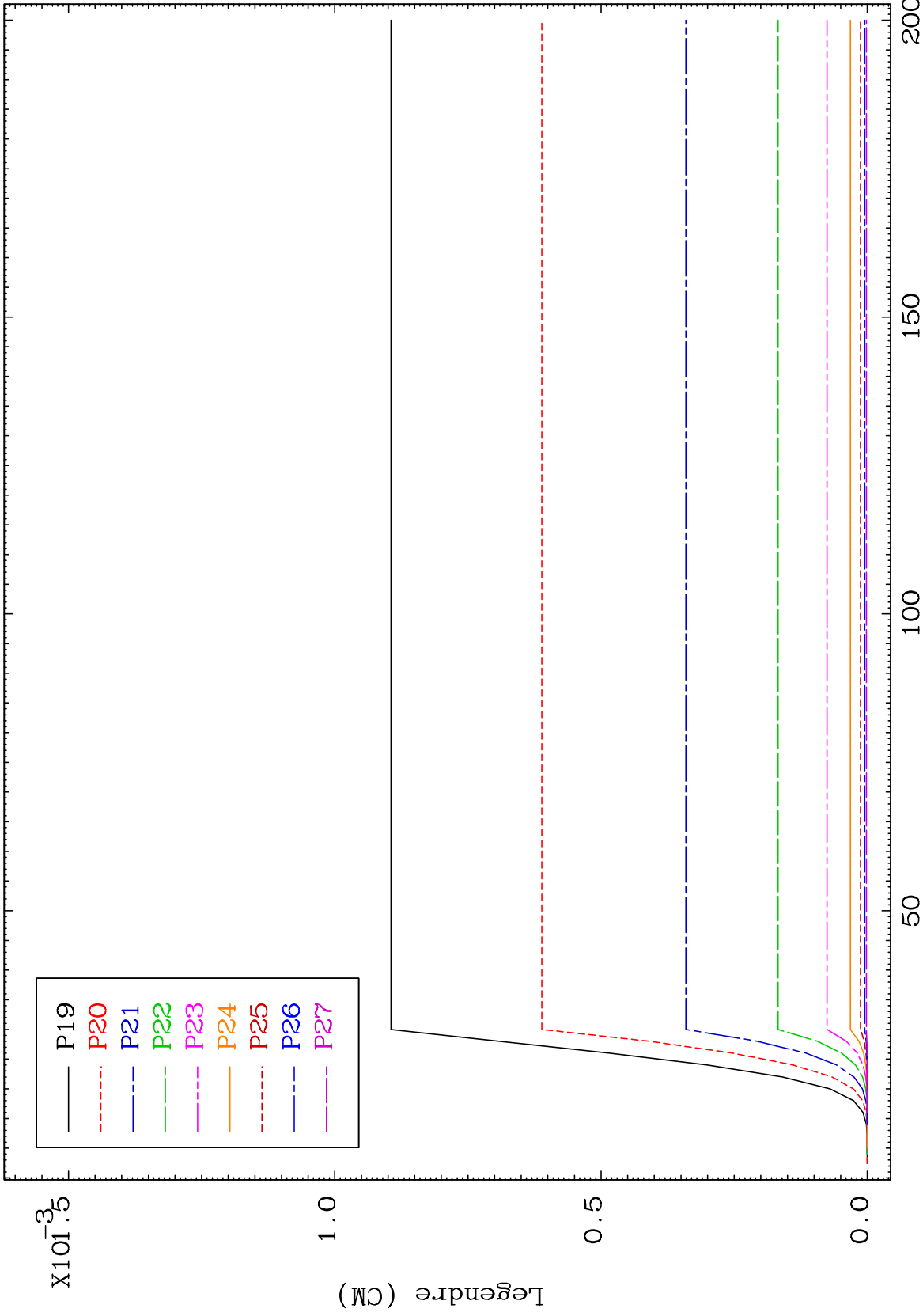
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



33

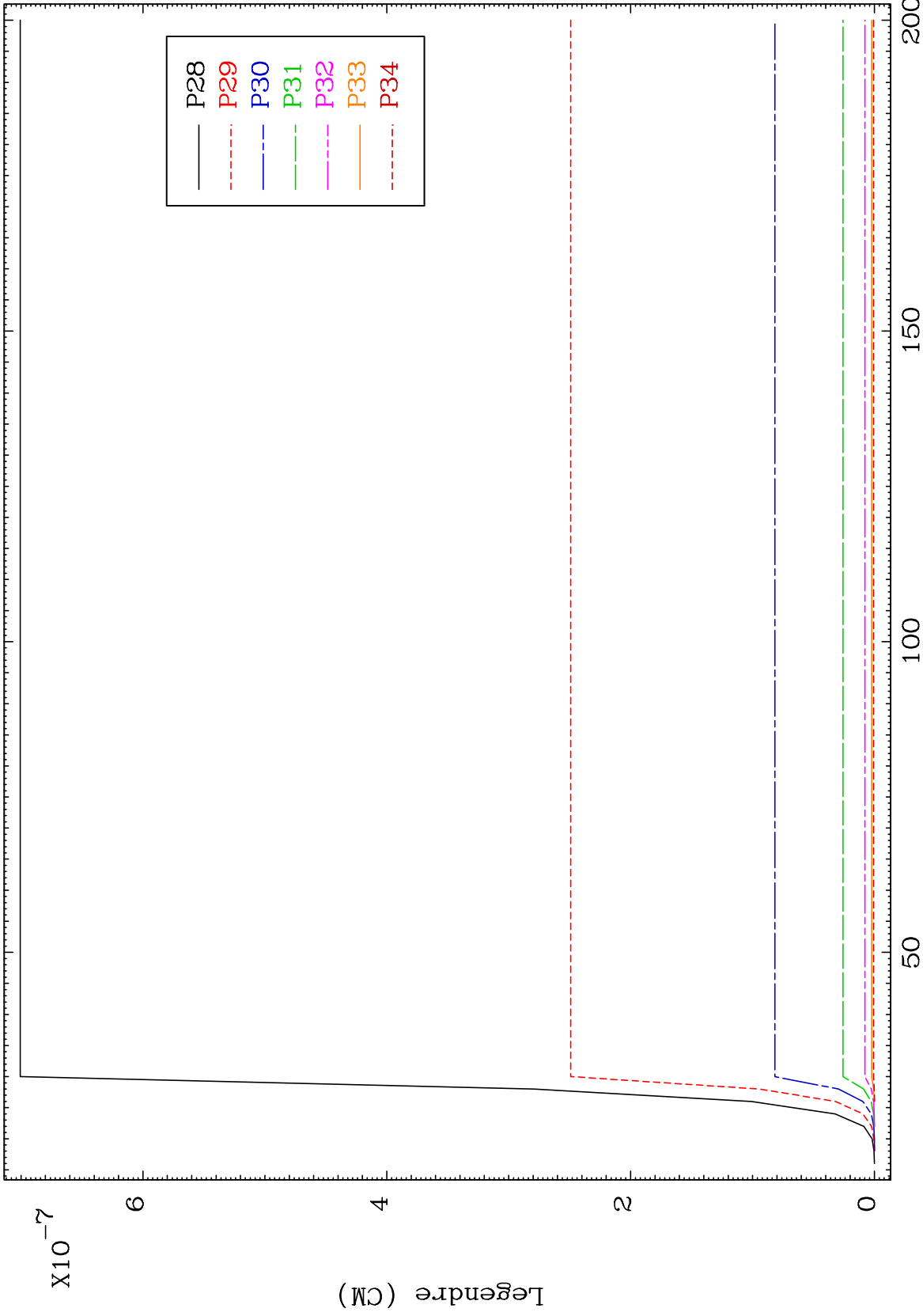
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



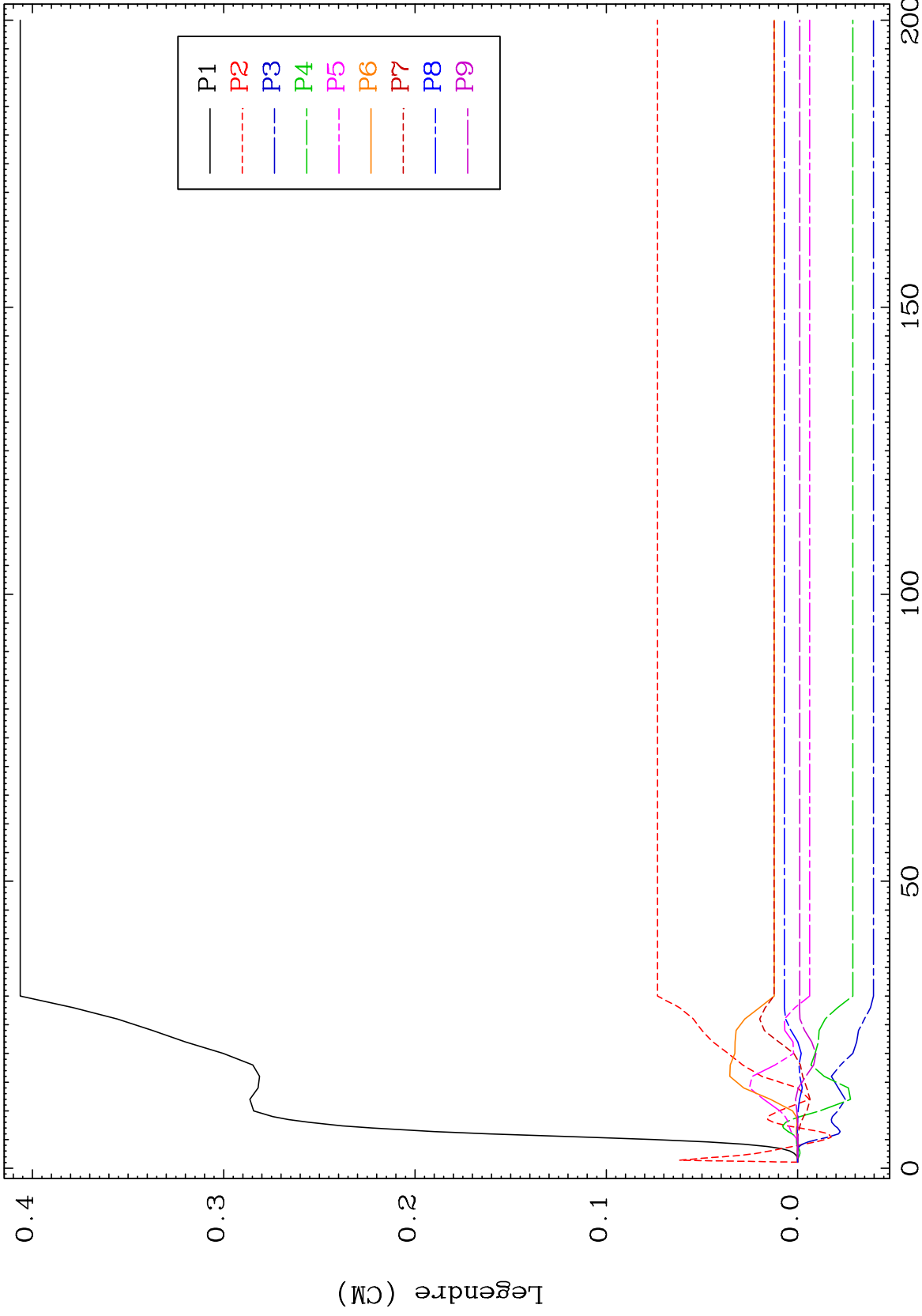
34

41-Nb-105

MAT 4161

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

41-Nb-105



35

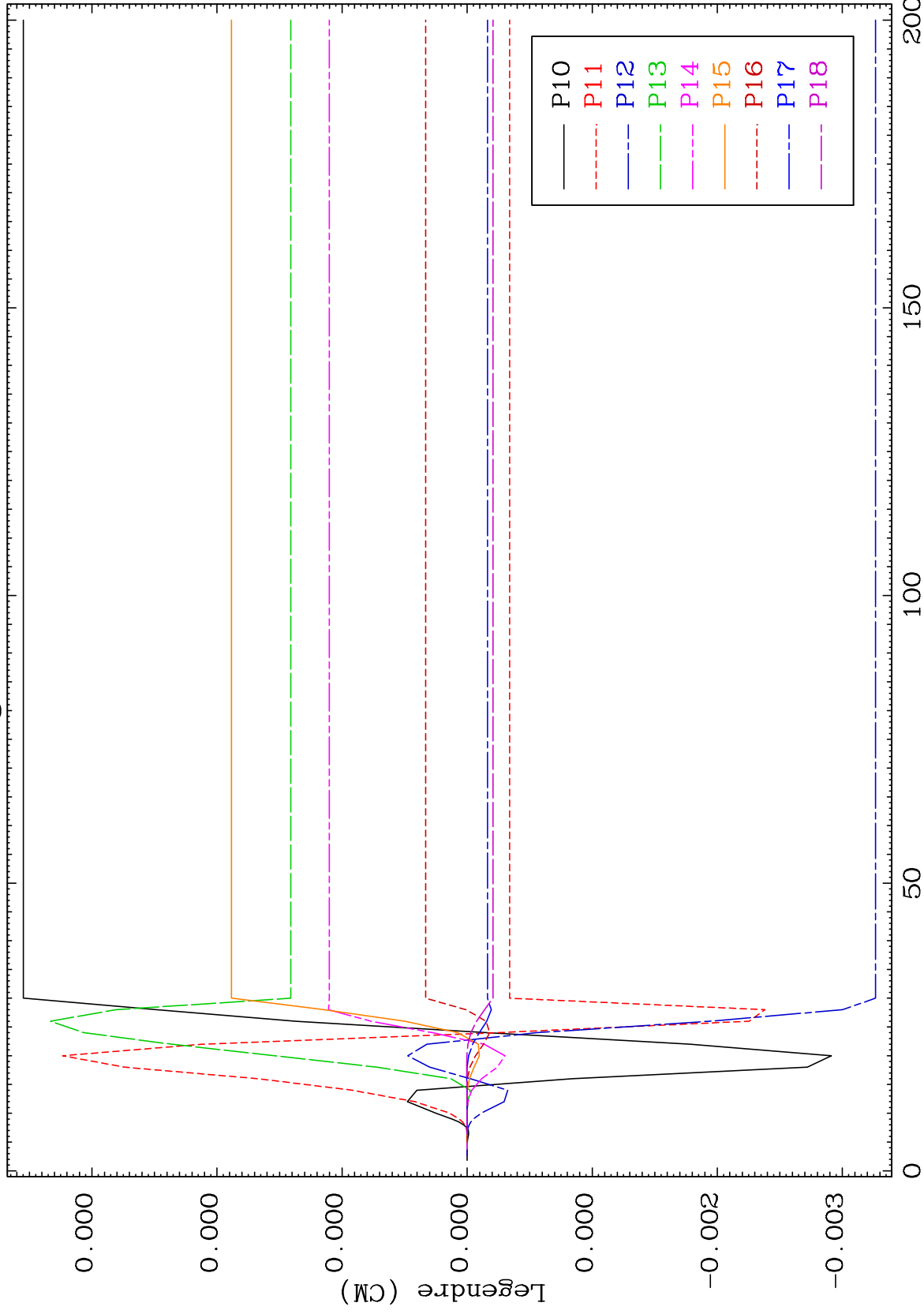
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



36

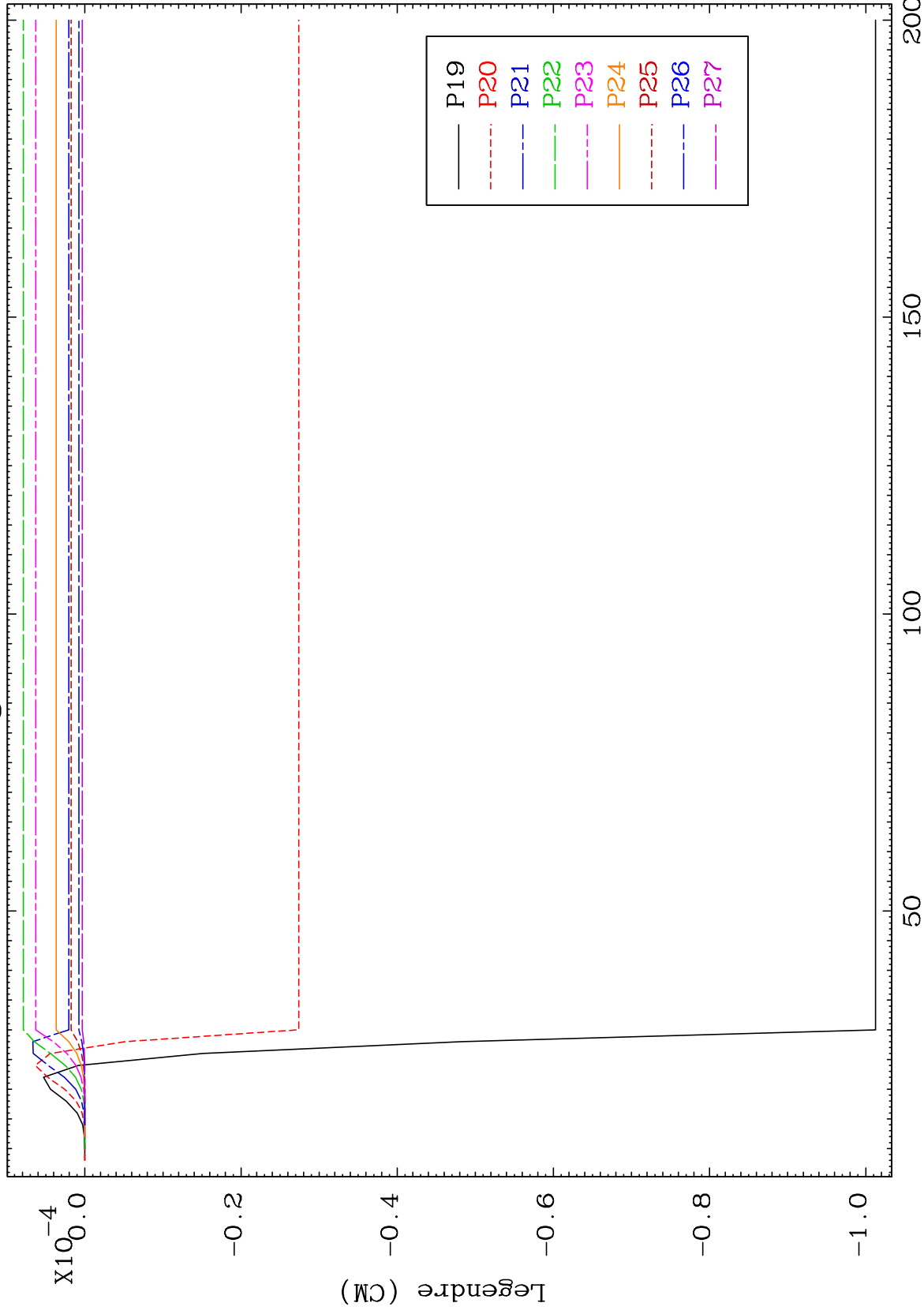
41-Nb-105

41-Nb-105

MAT 4161

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

41-Nb-105



37

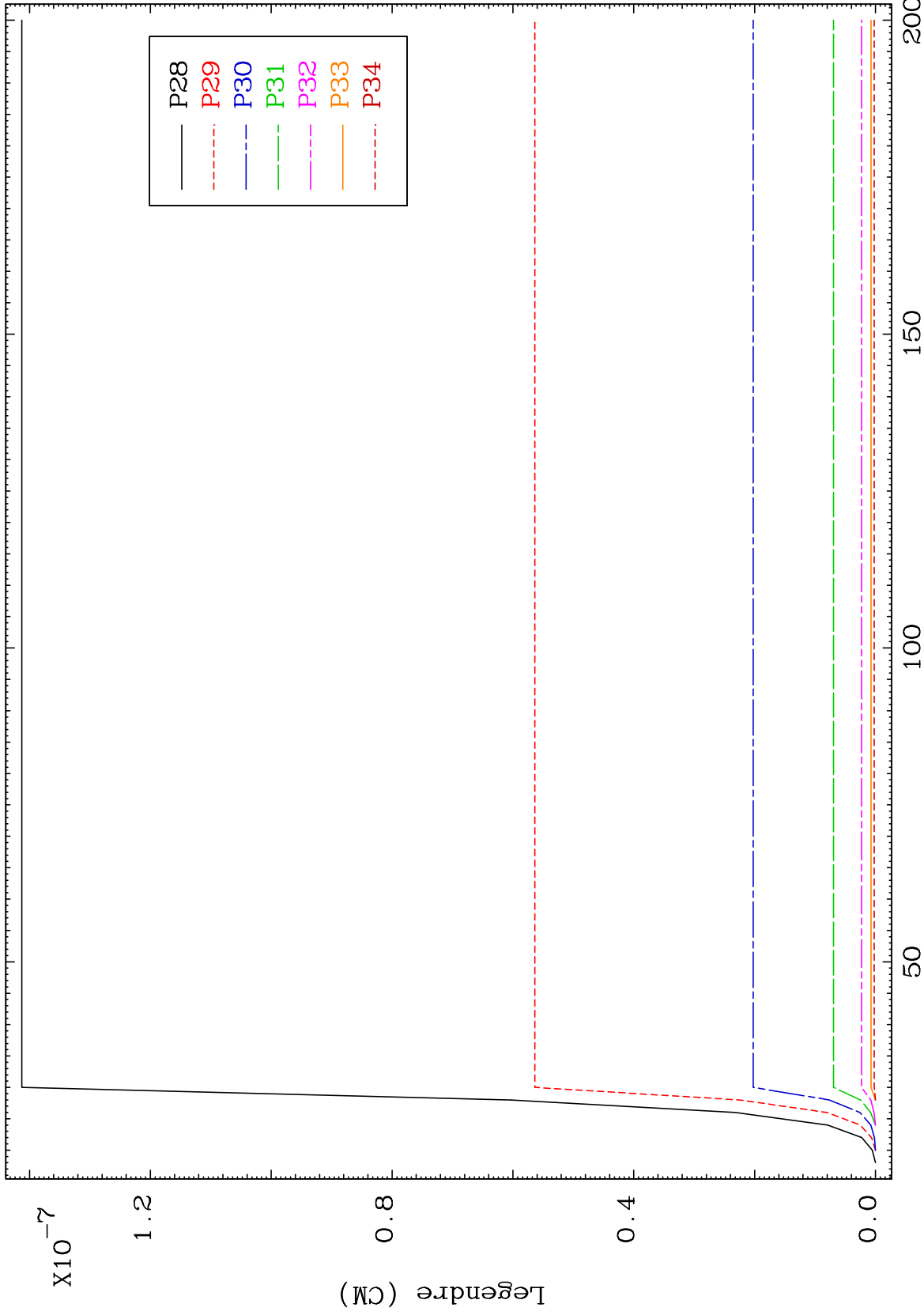
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



38

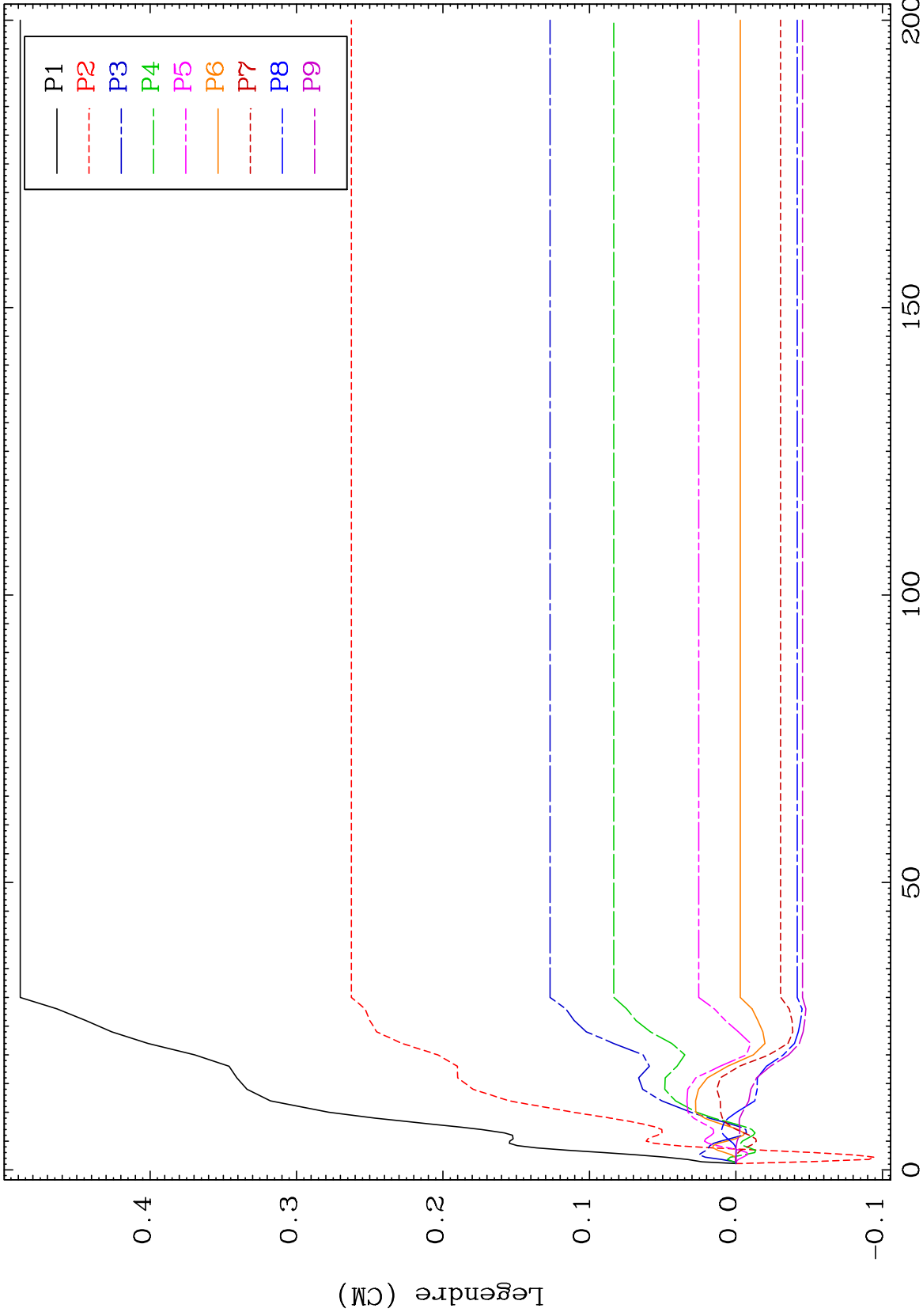
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



39

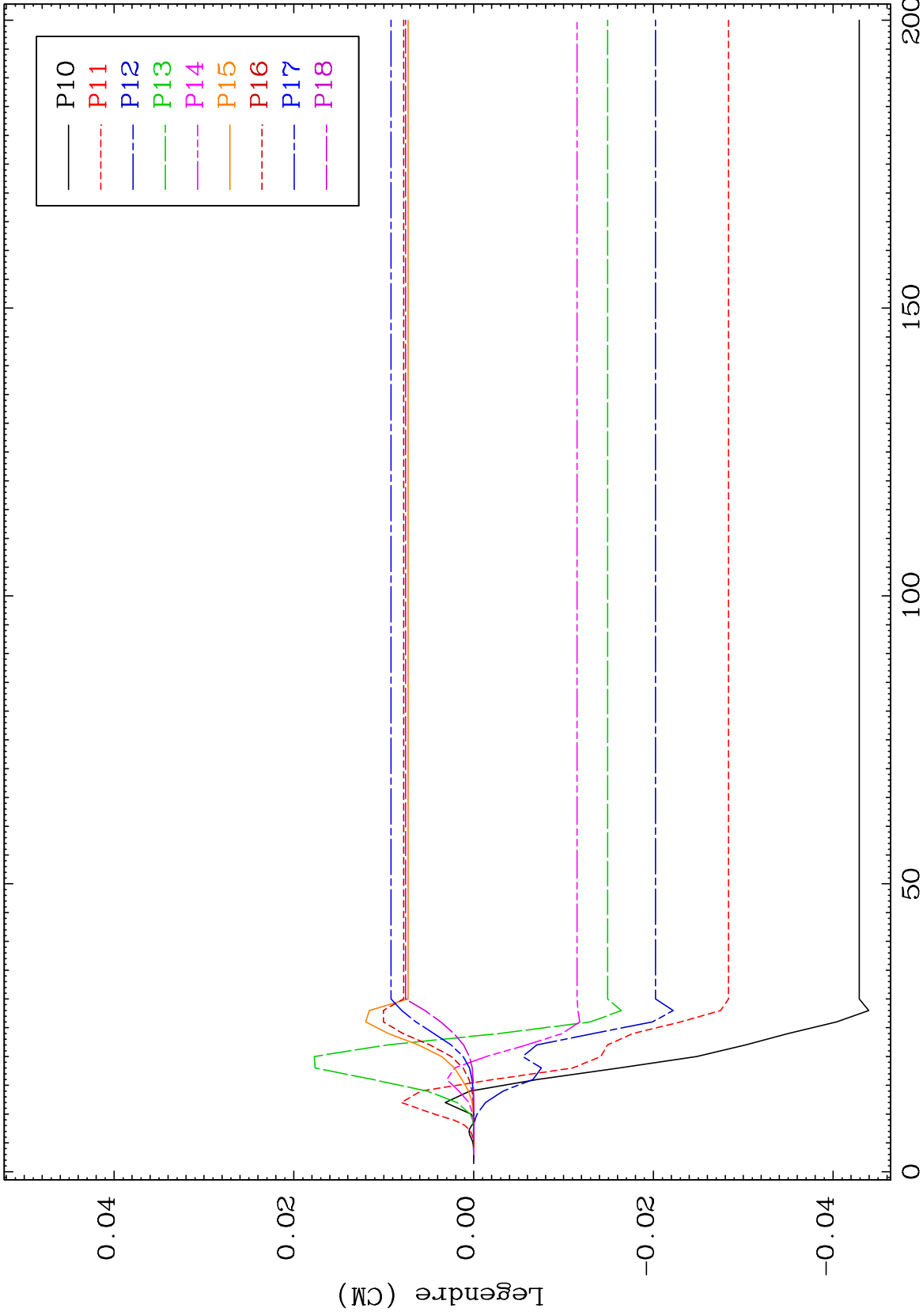
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



40

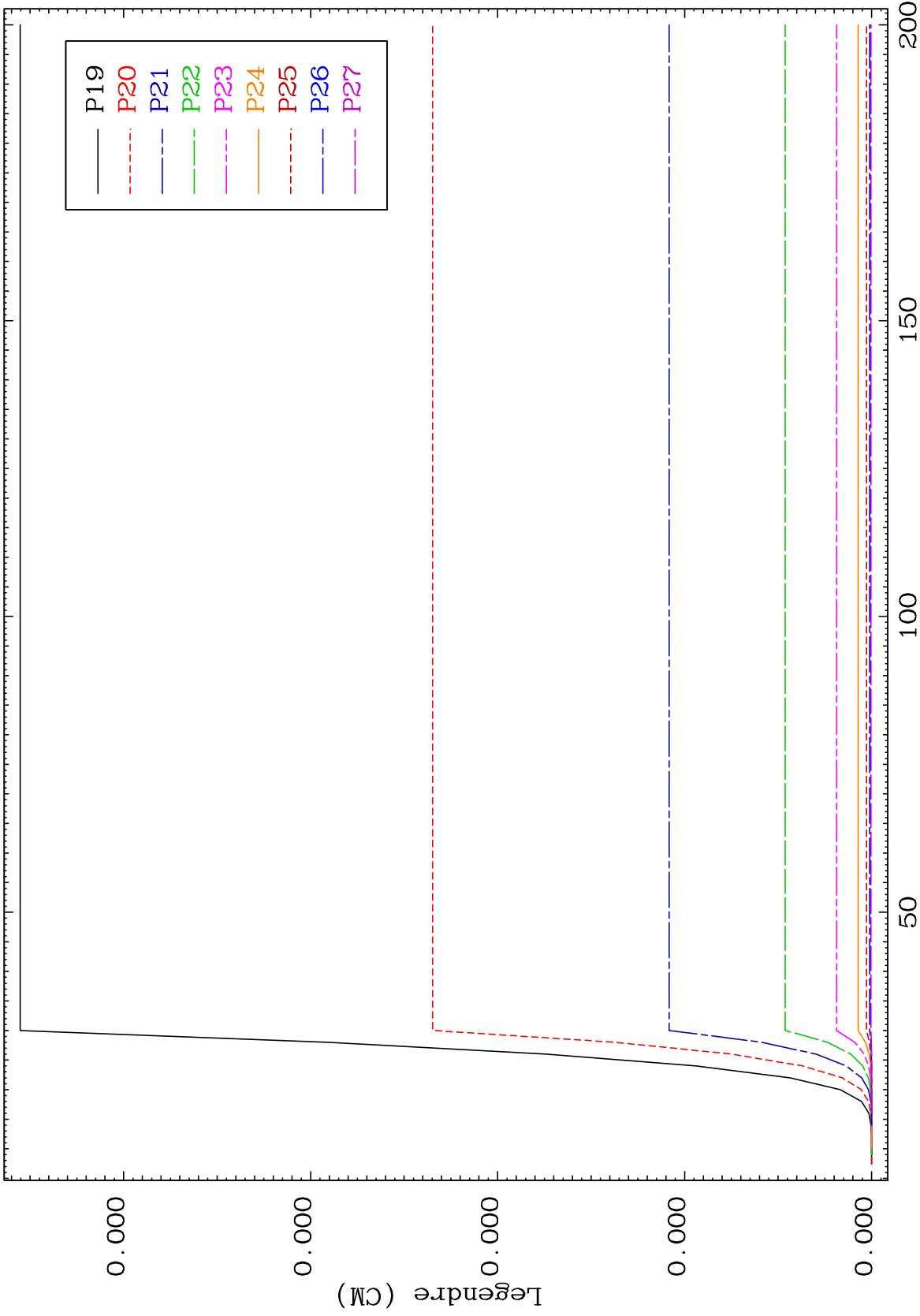
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



41

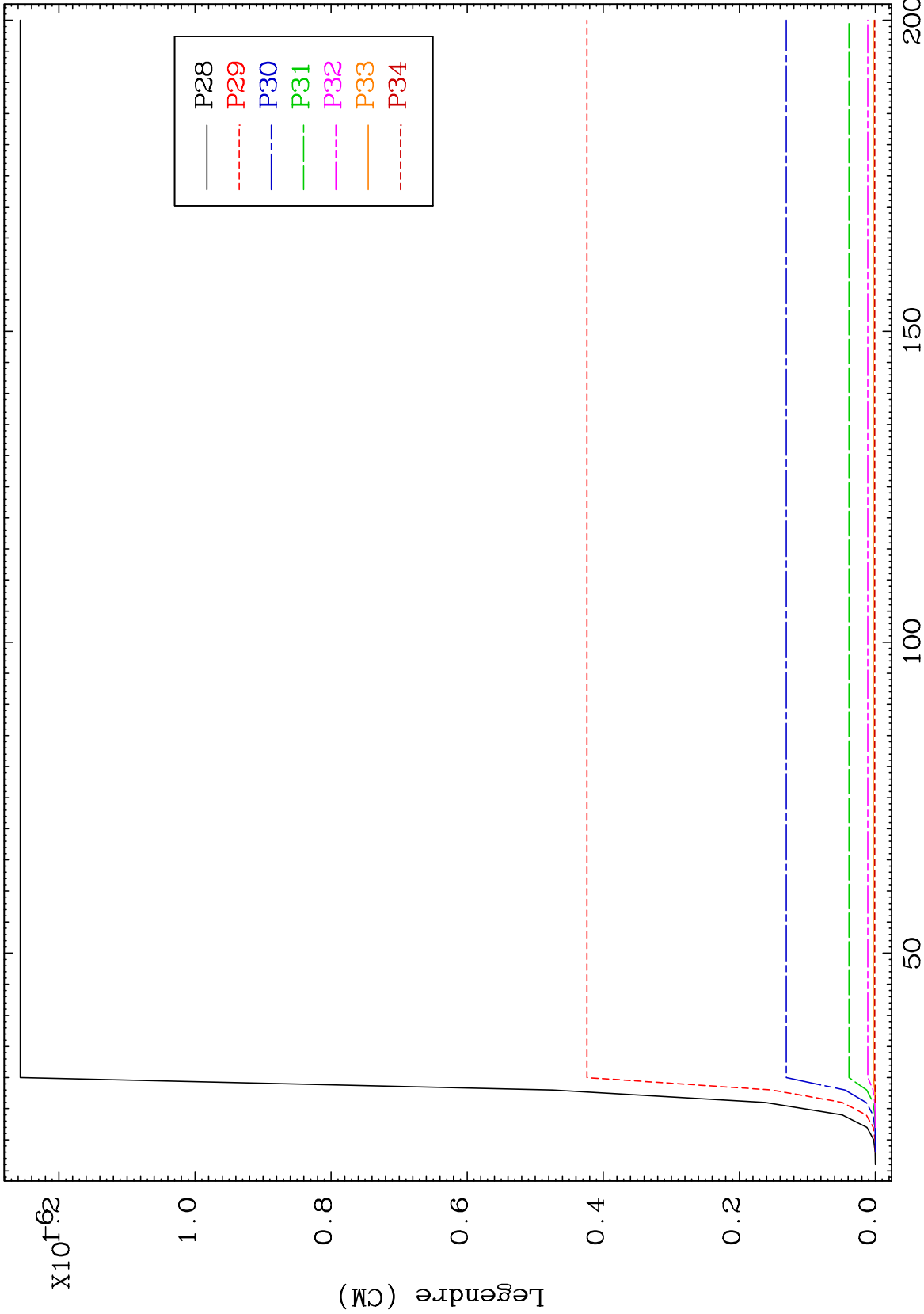
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



42

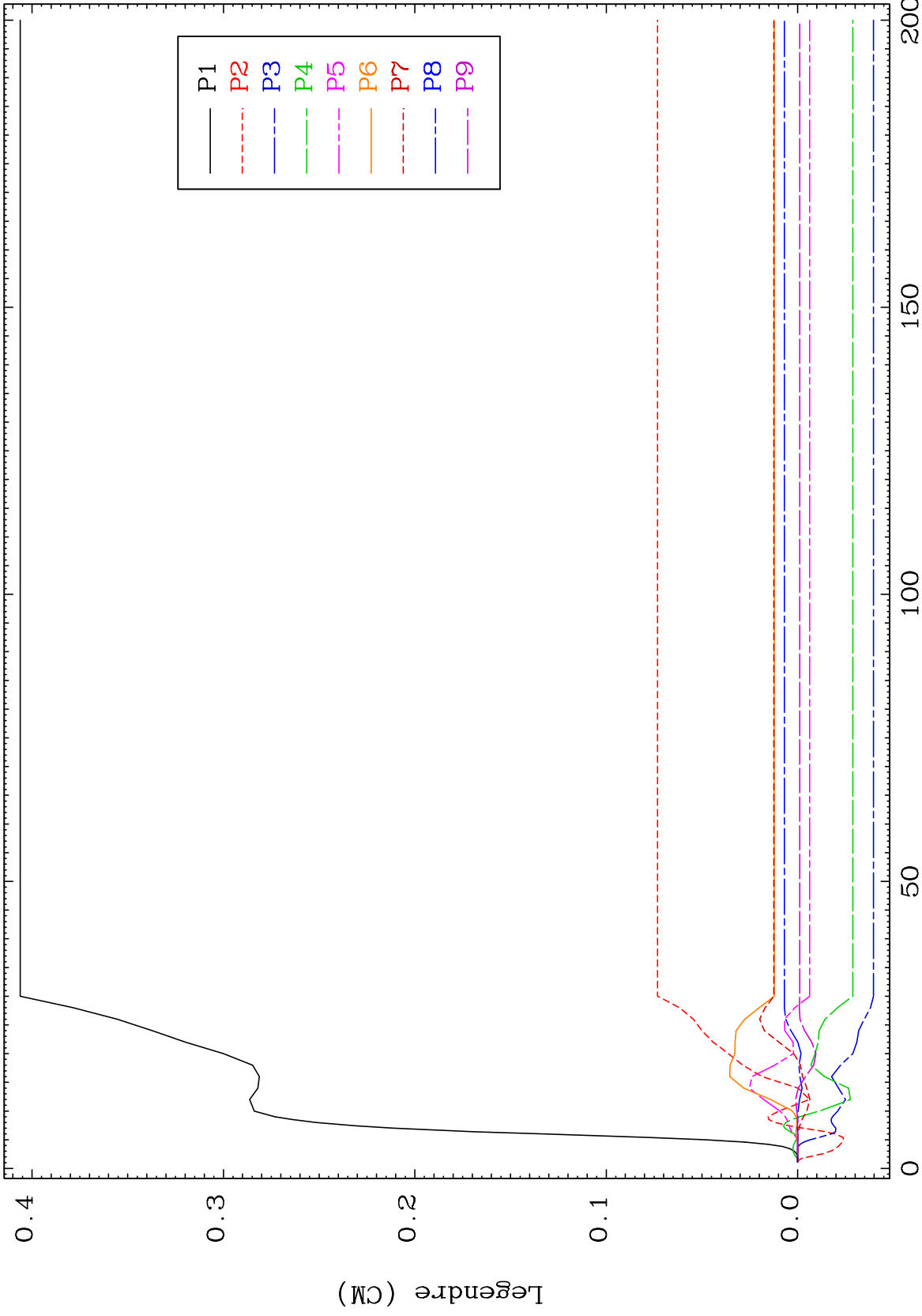
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



43

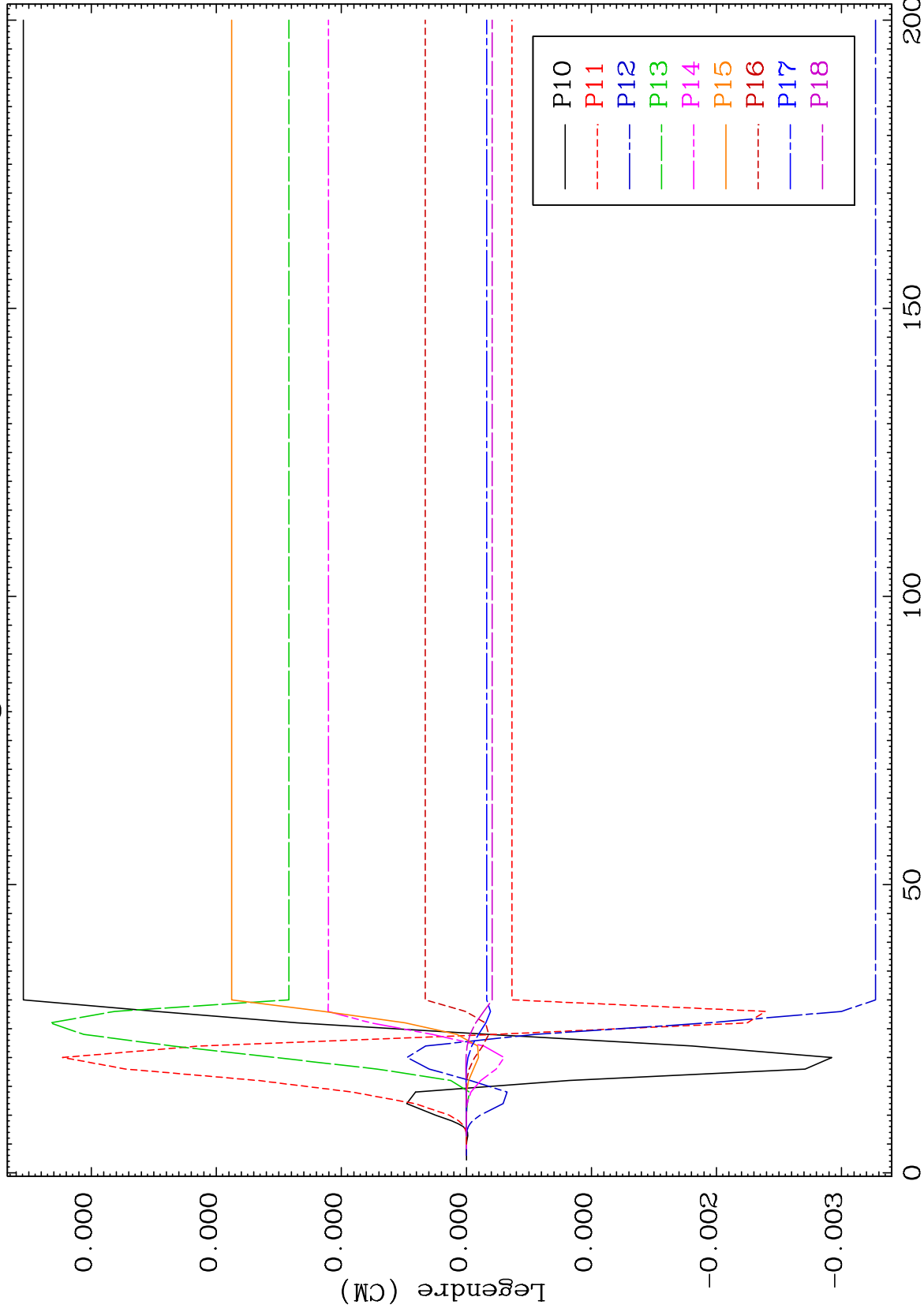
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



44

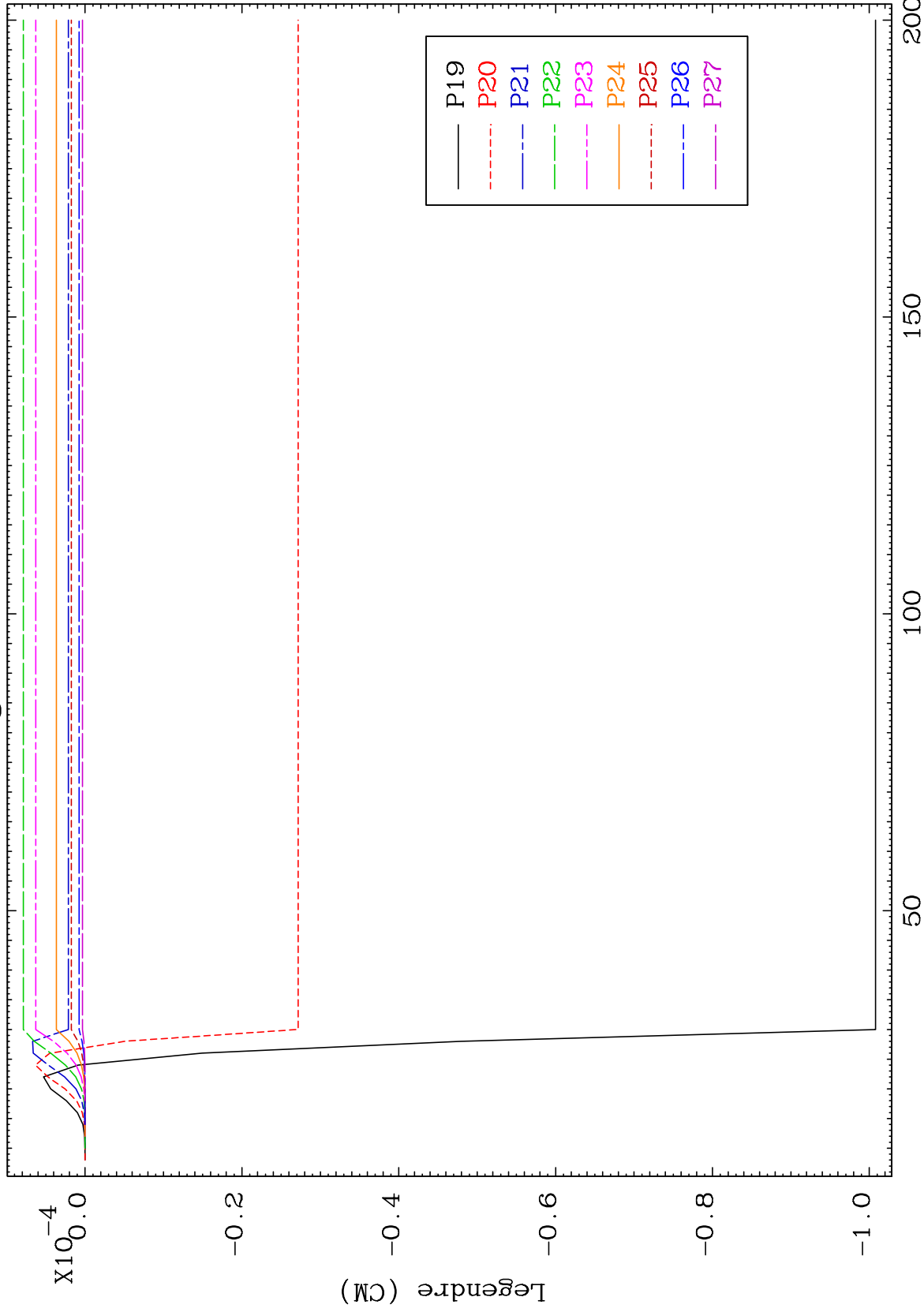
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



45

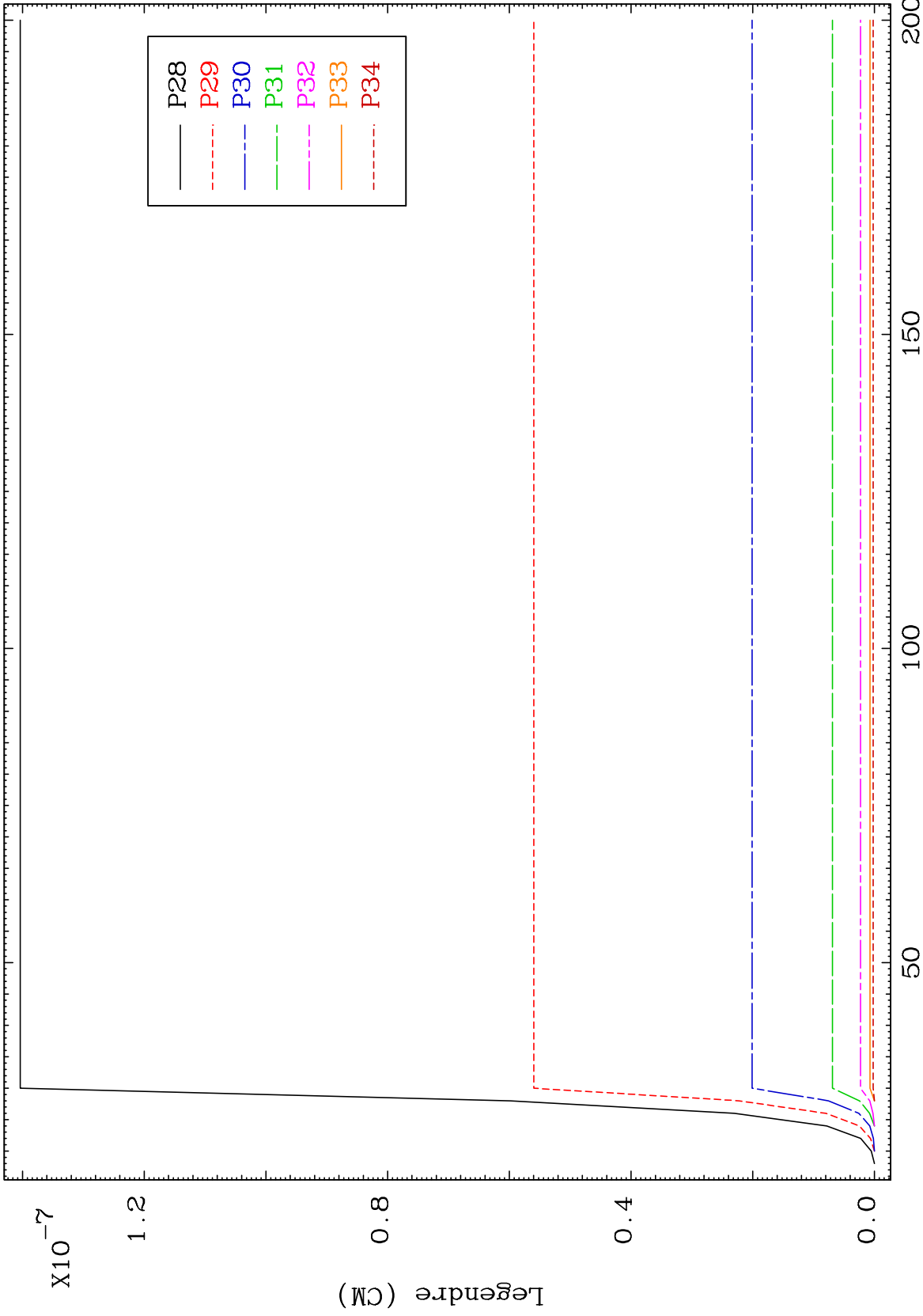
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



46

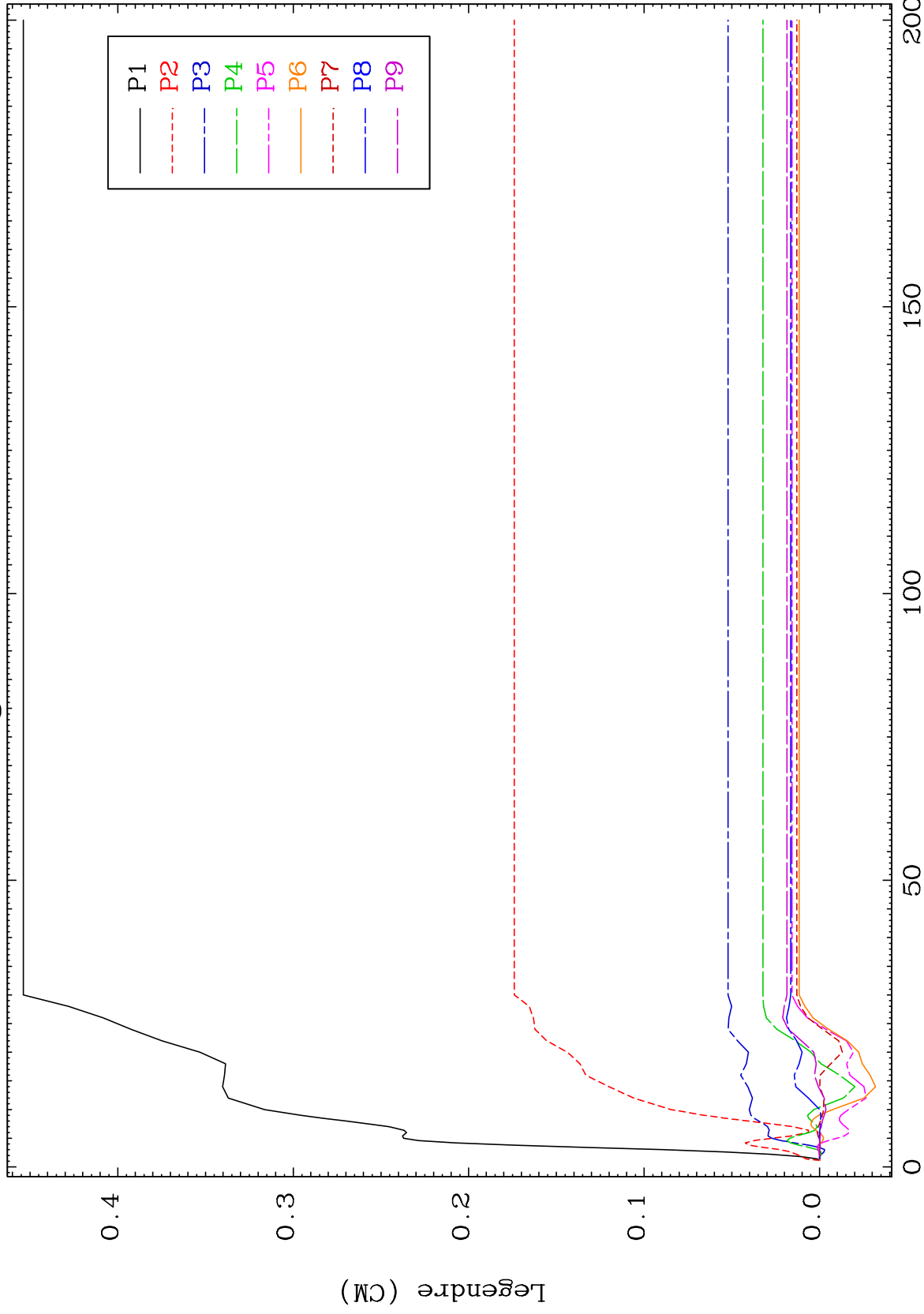
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



47

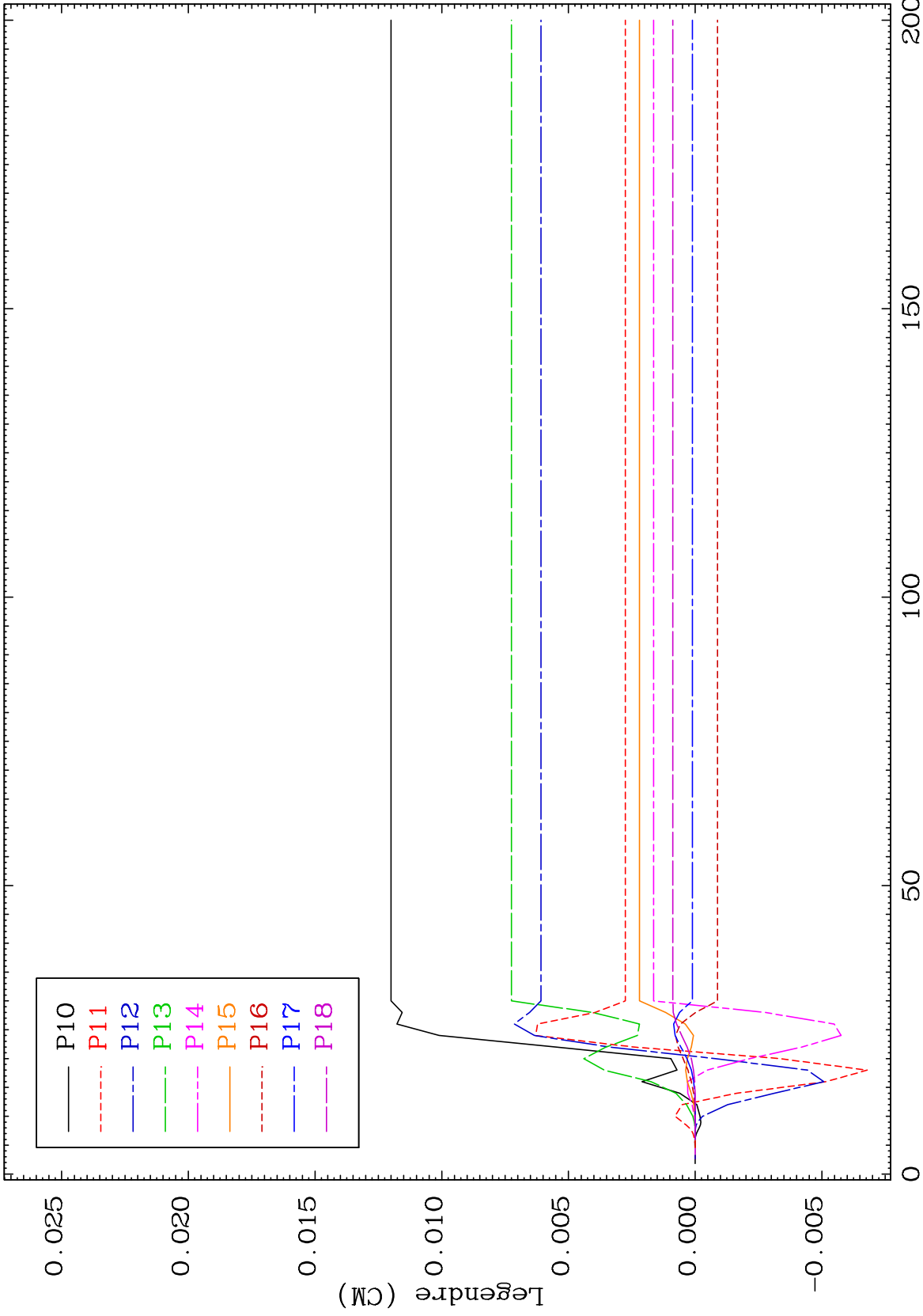
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



48

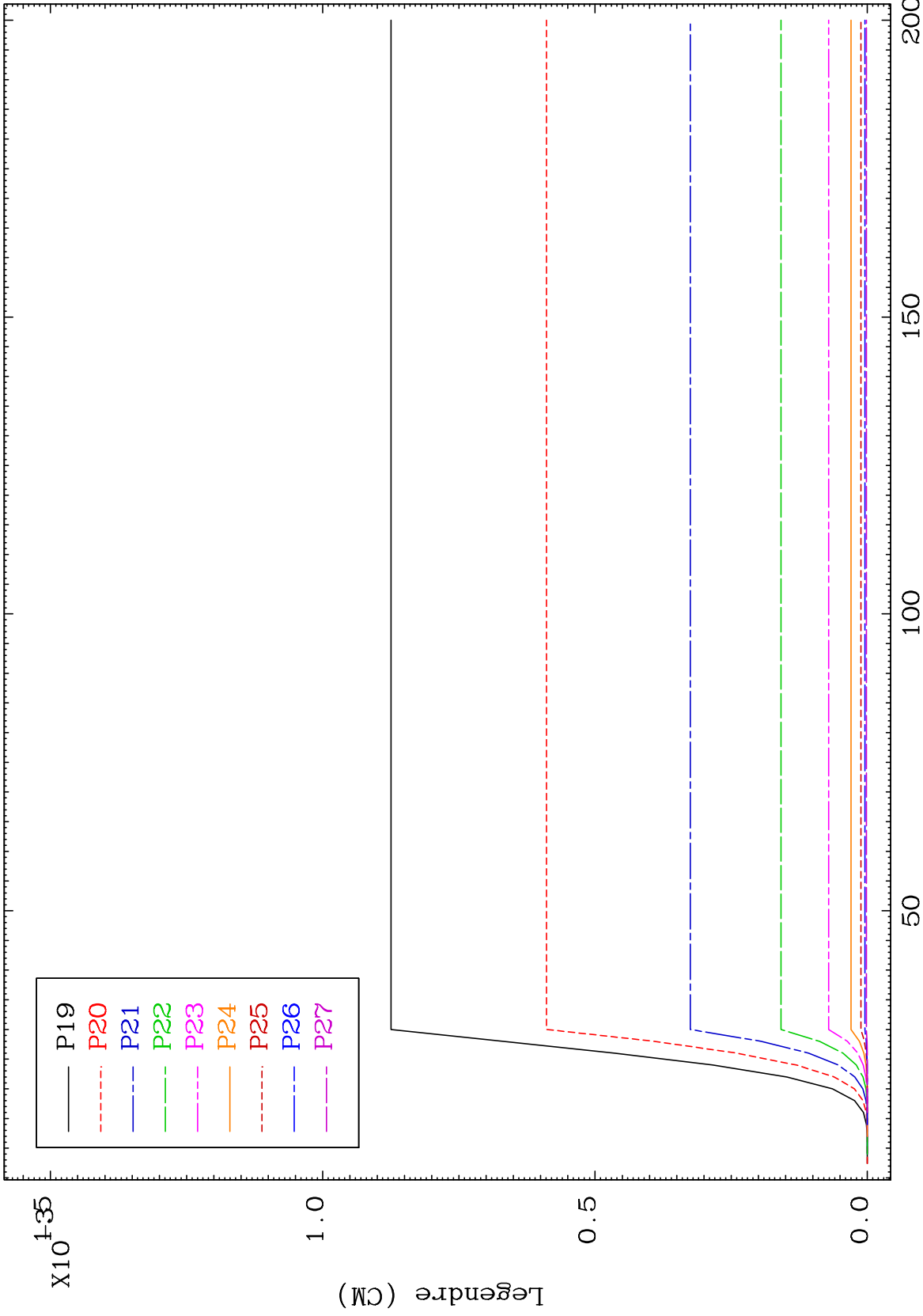
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



49

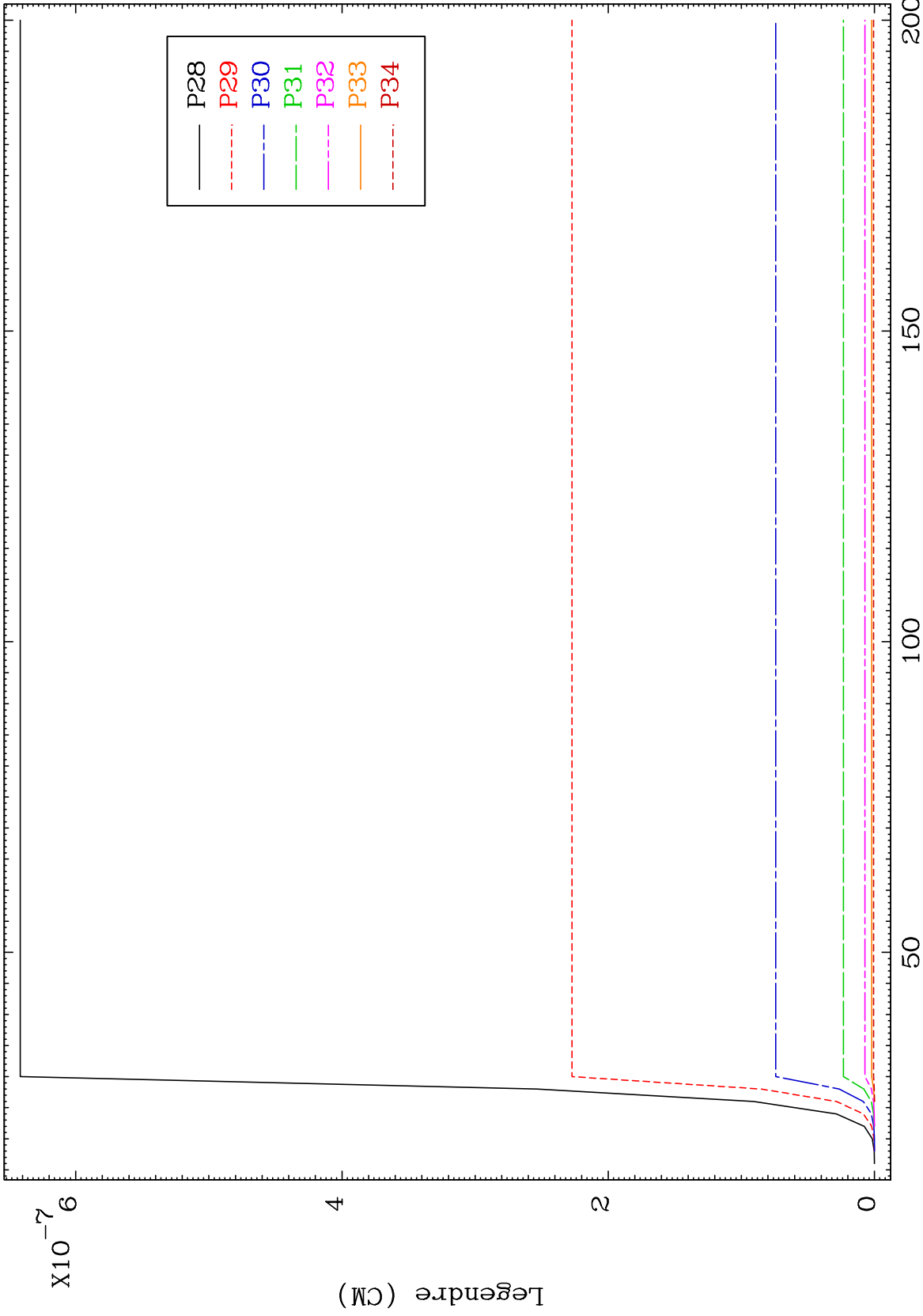
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



50

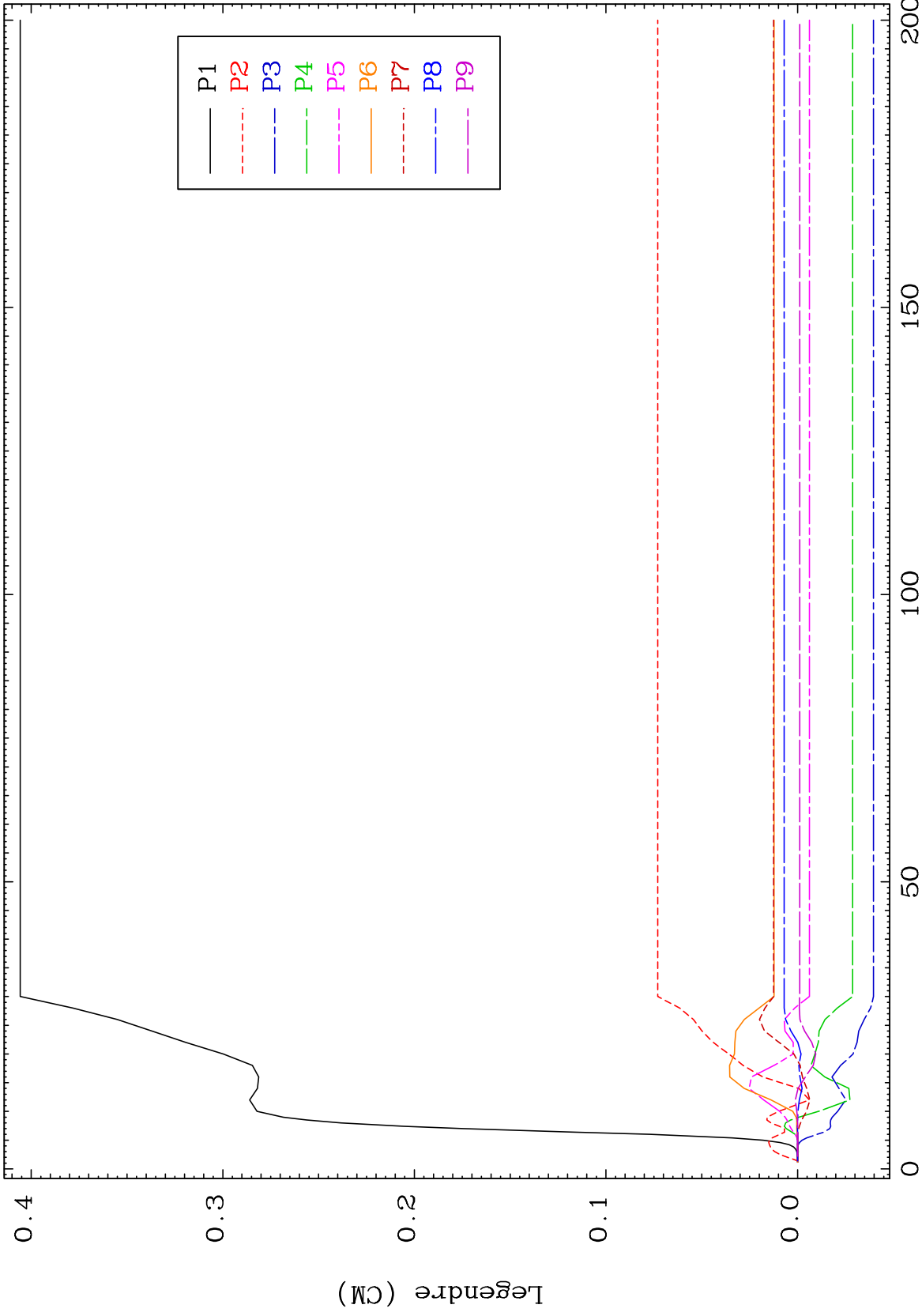
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



51

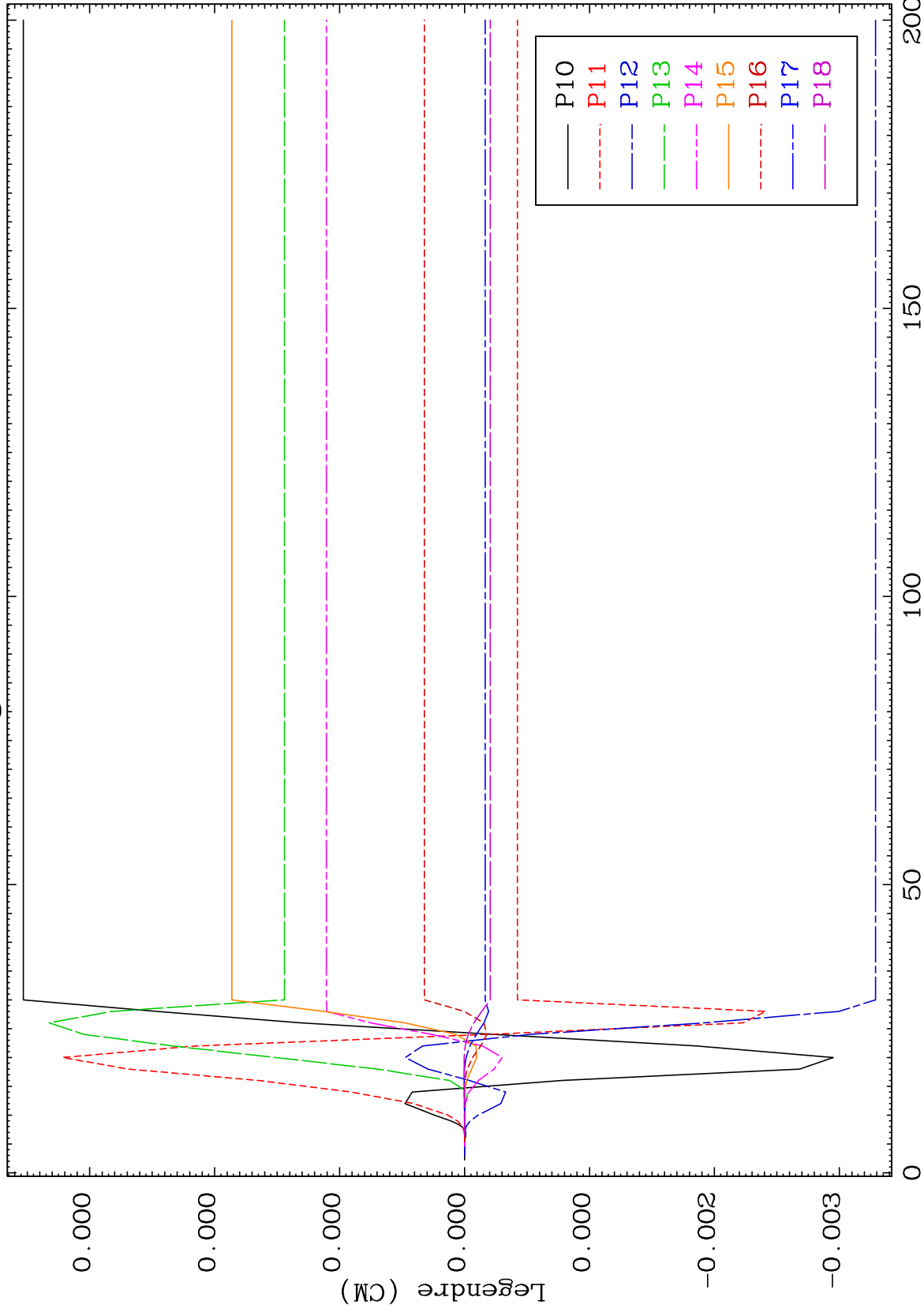
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



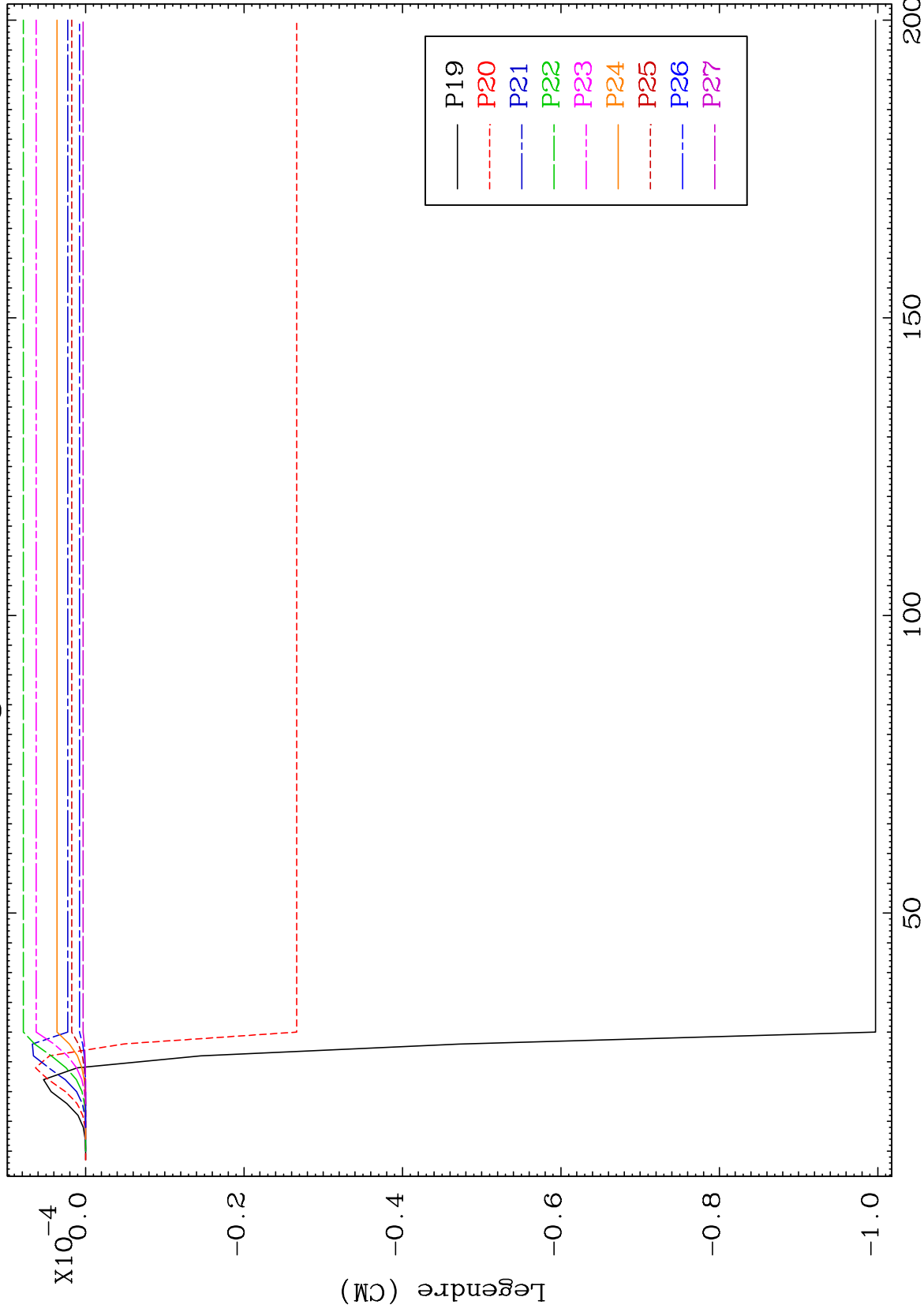
52

41-Nb-105

MAT 4161

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

41-Nb-105



53

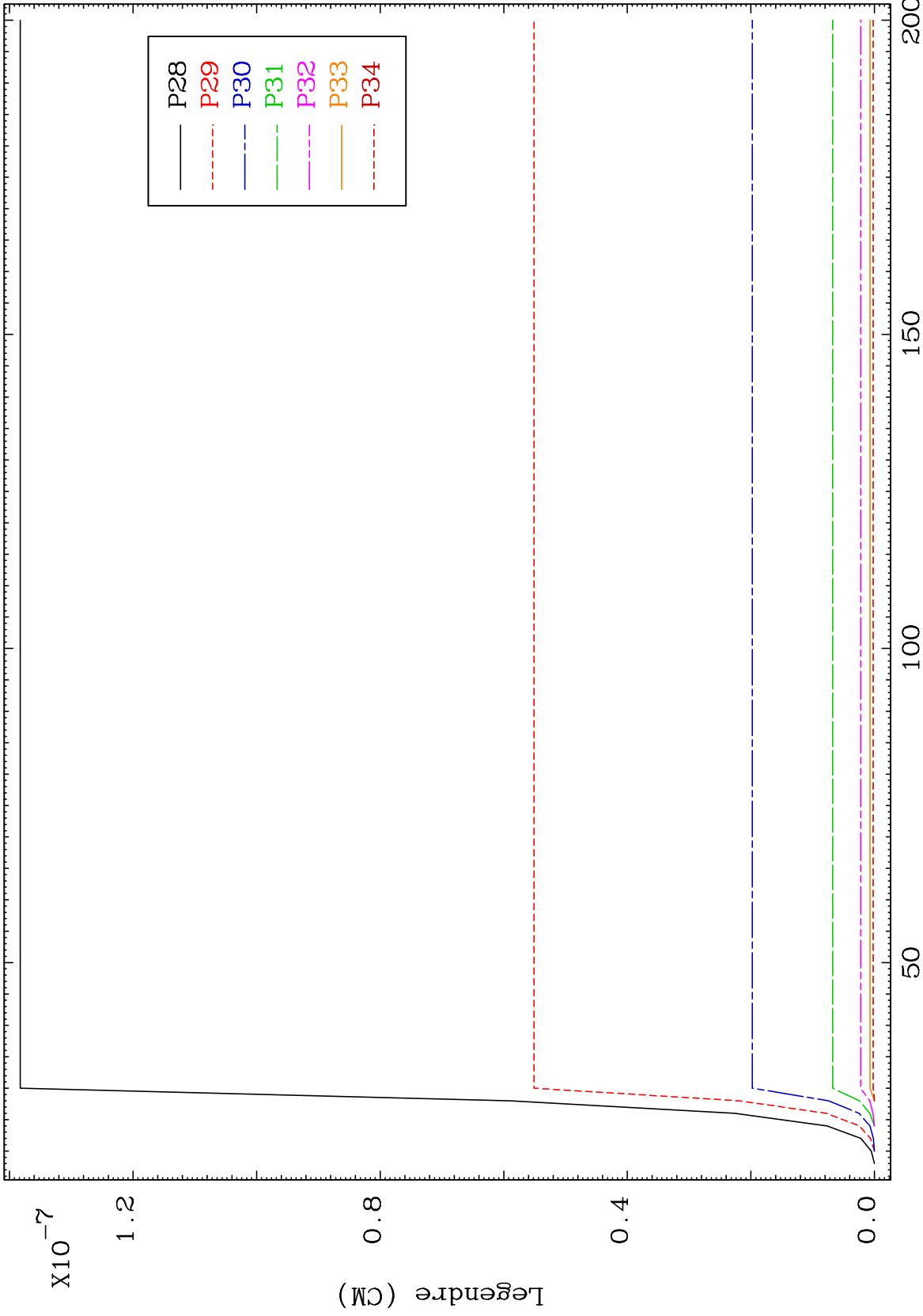
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



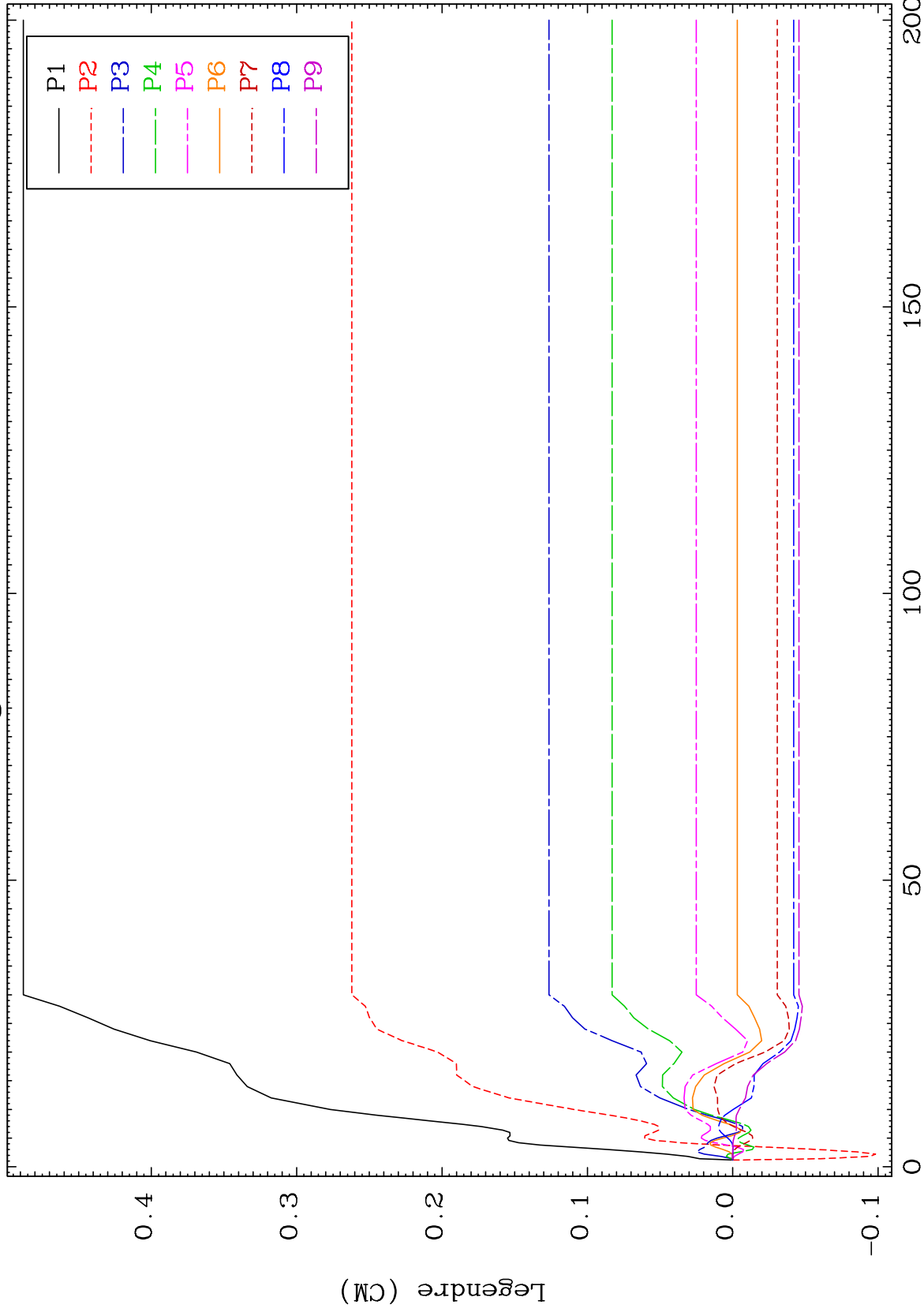
54

41-Nb-105

MAT 4161

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

41-Nb-105



55

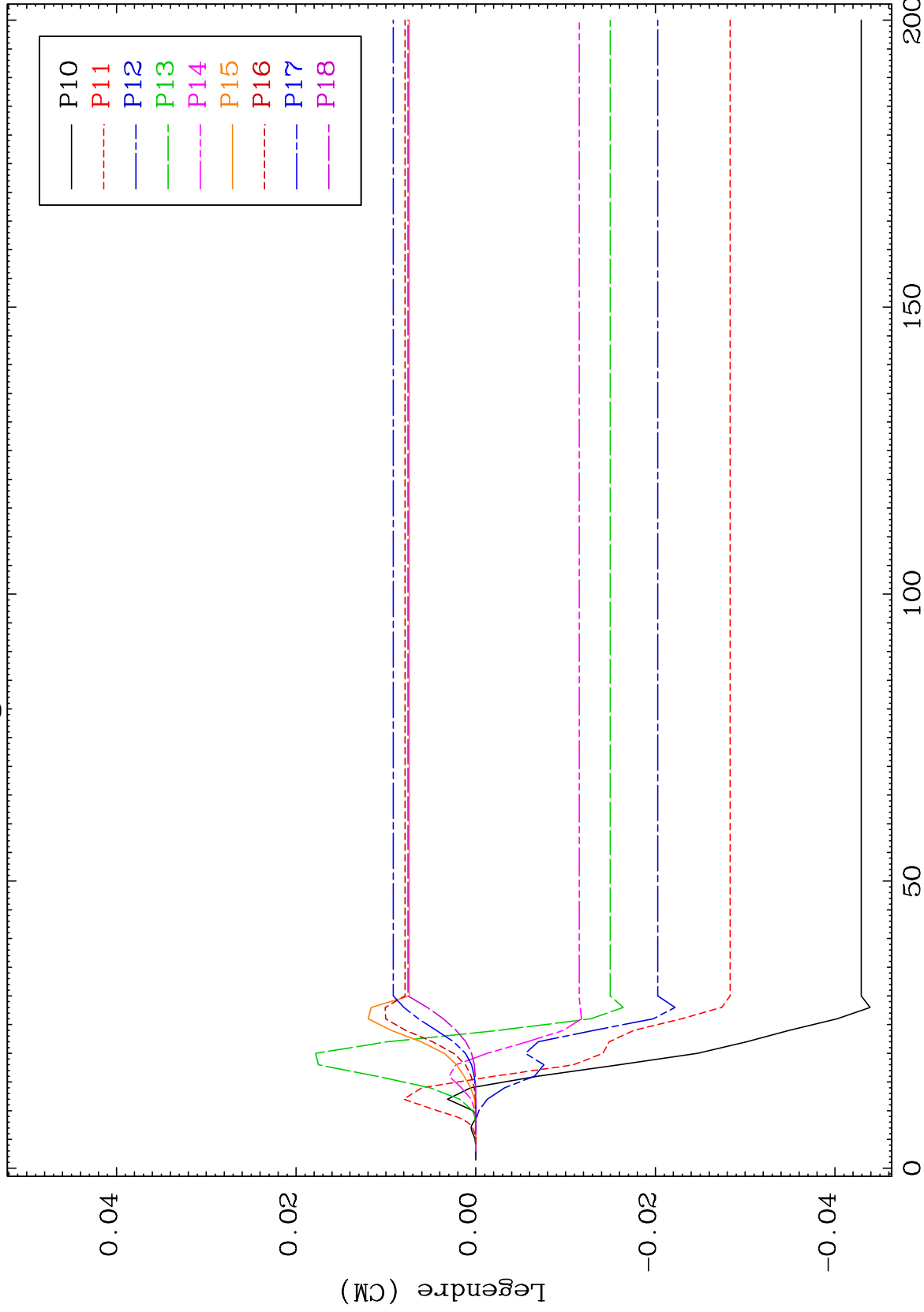
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



56

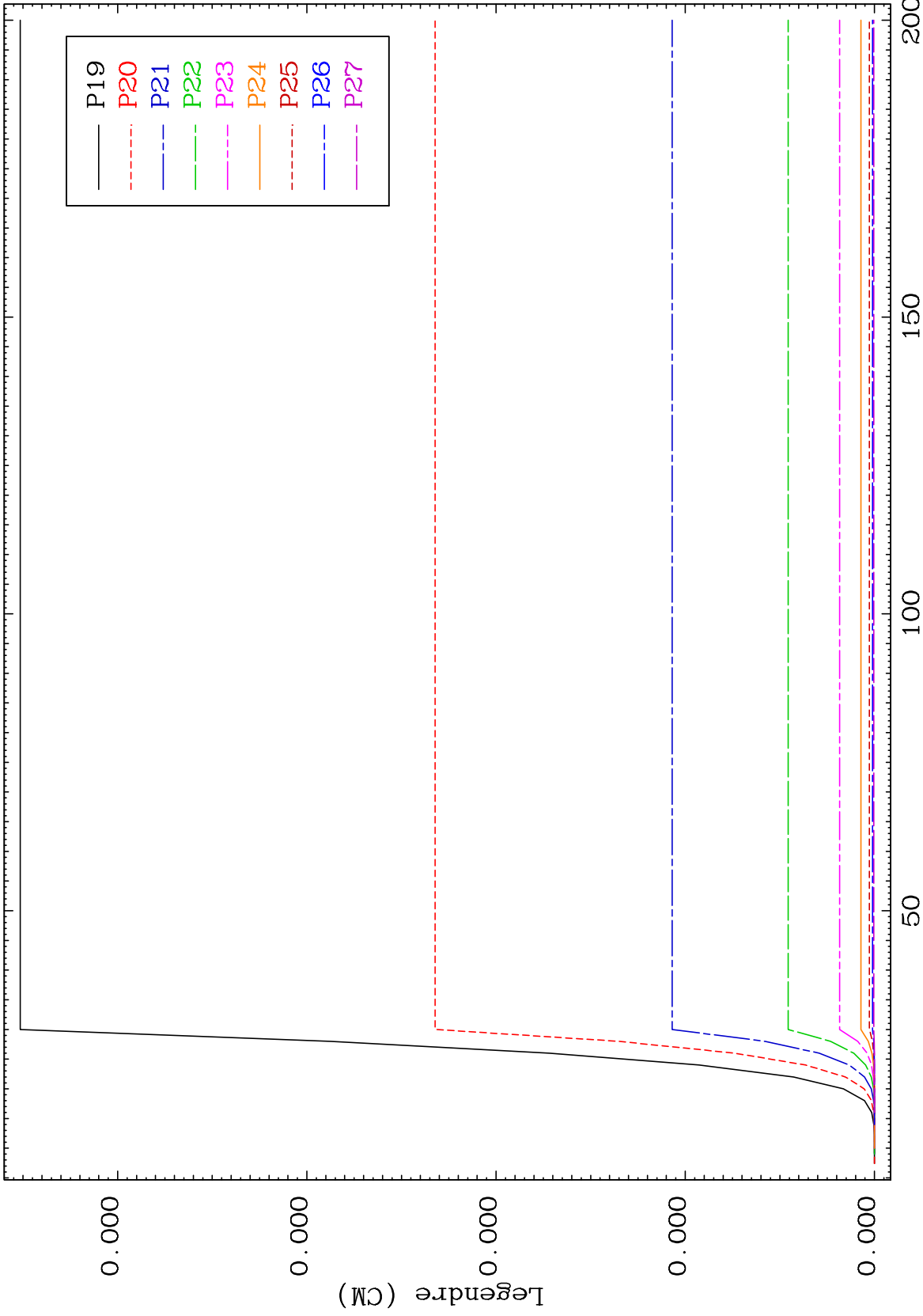
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



57

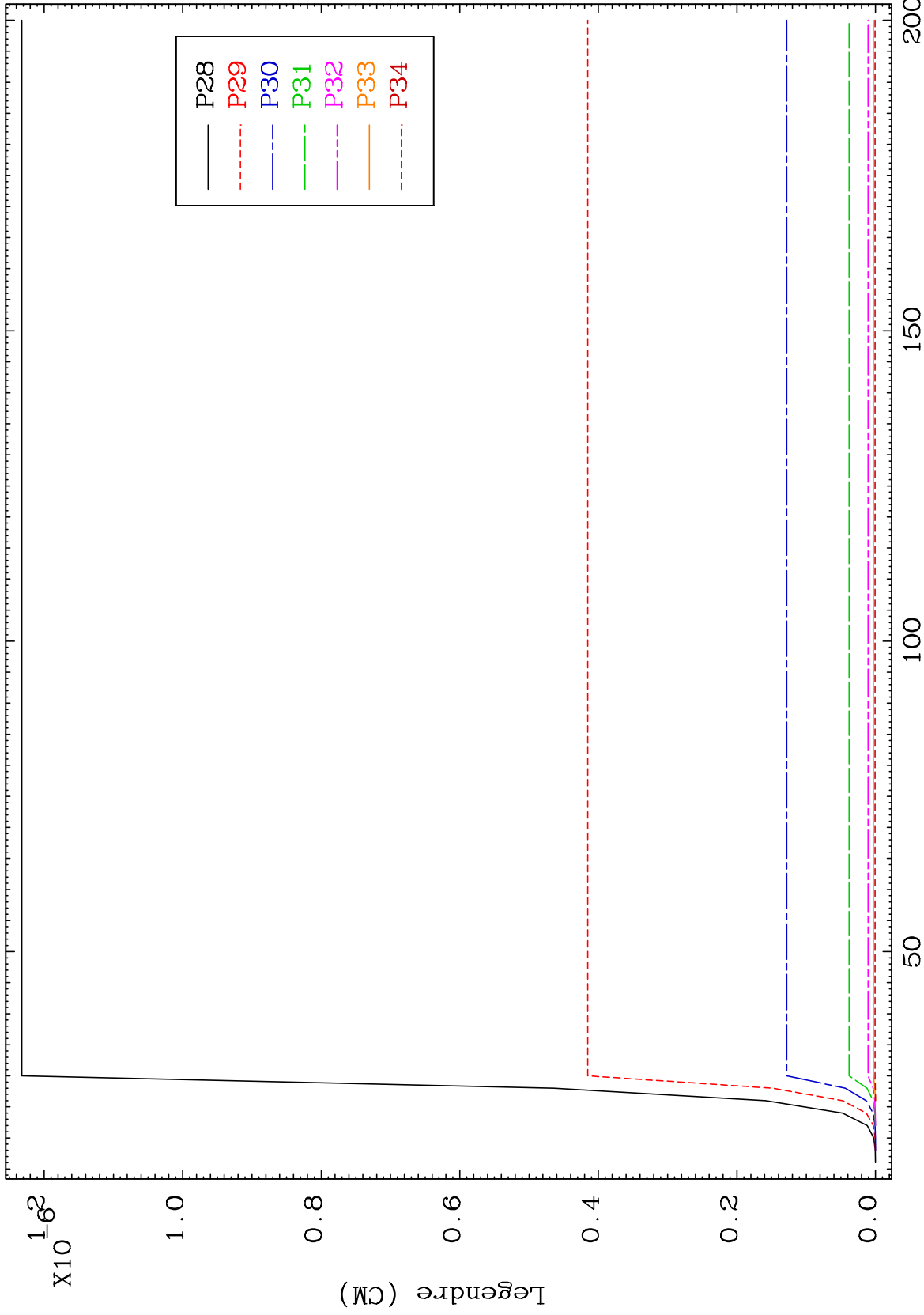
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



58

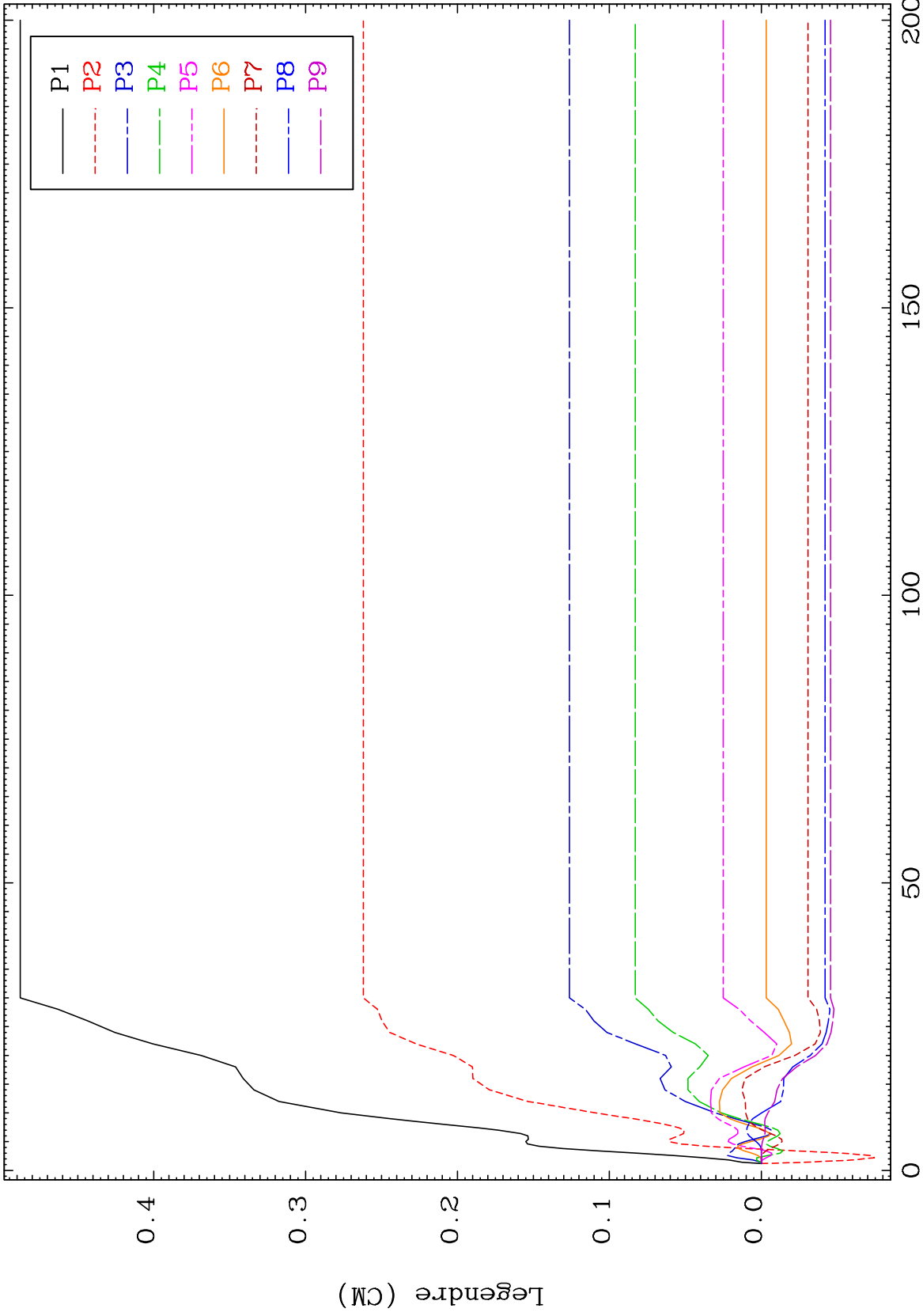
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



59

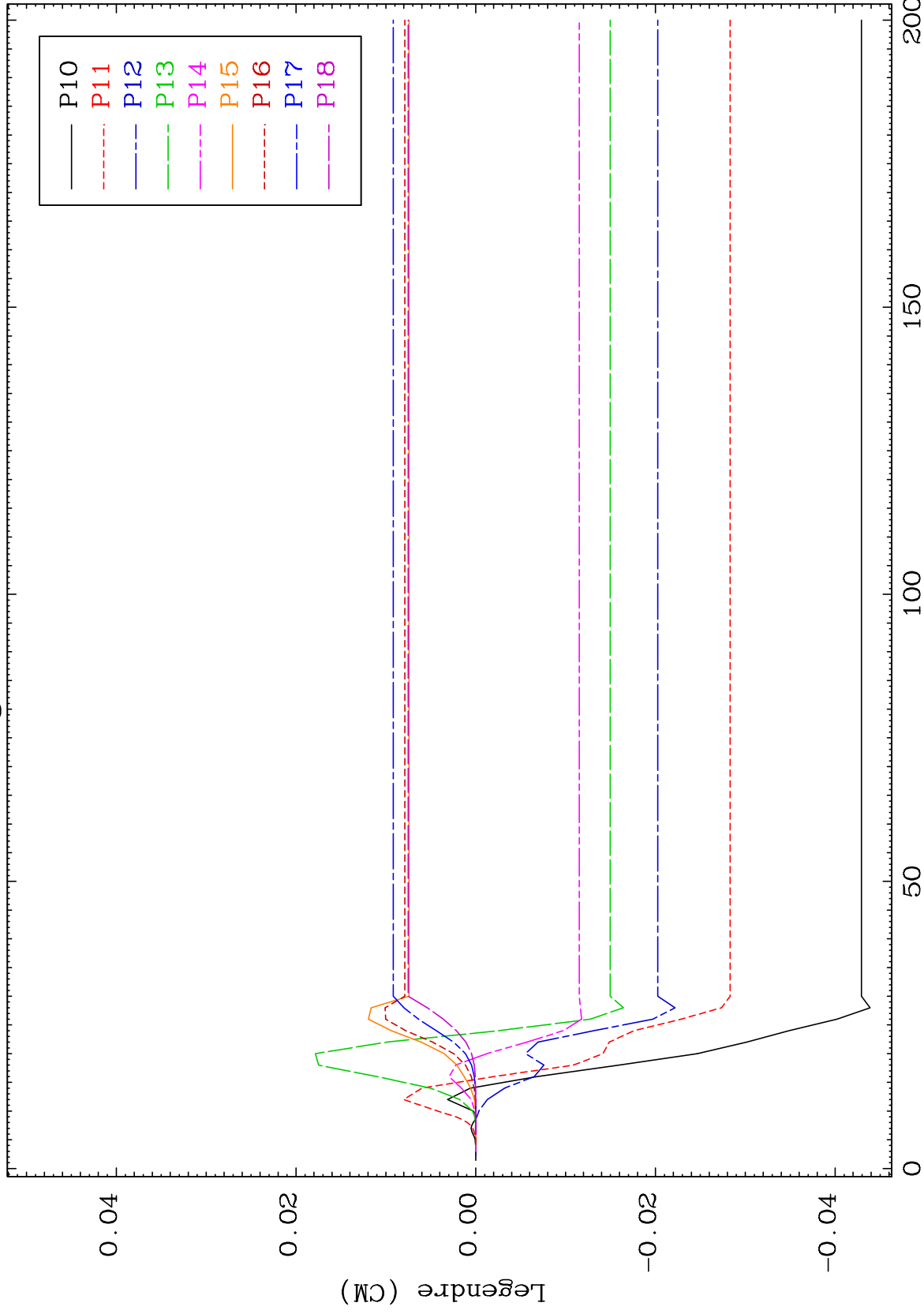
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



0

50

100

150

200

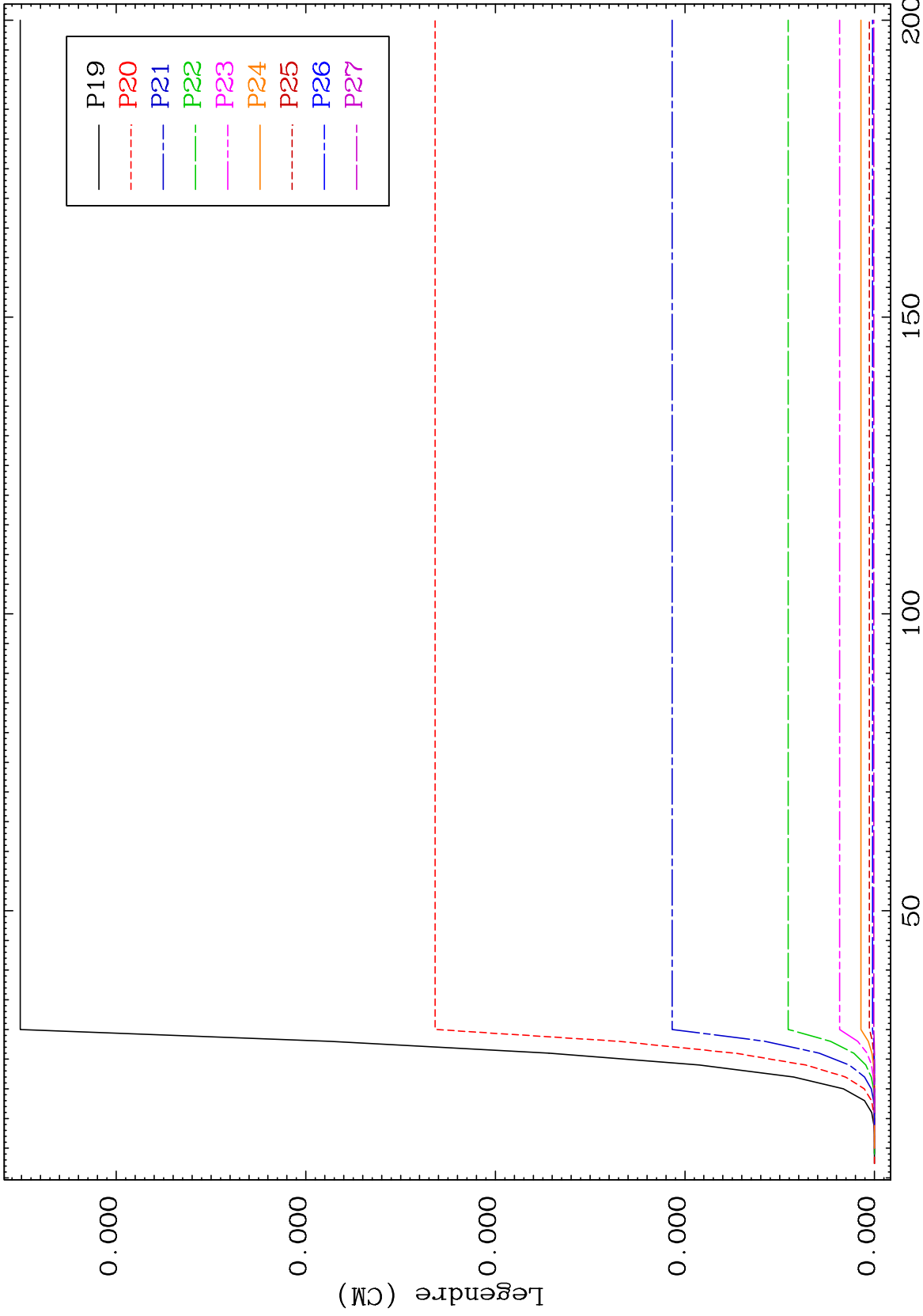
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



61

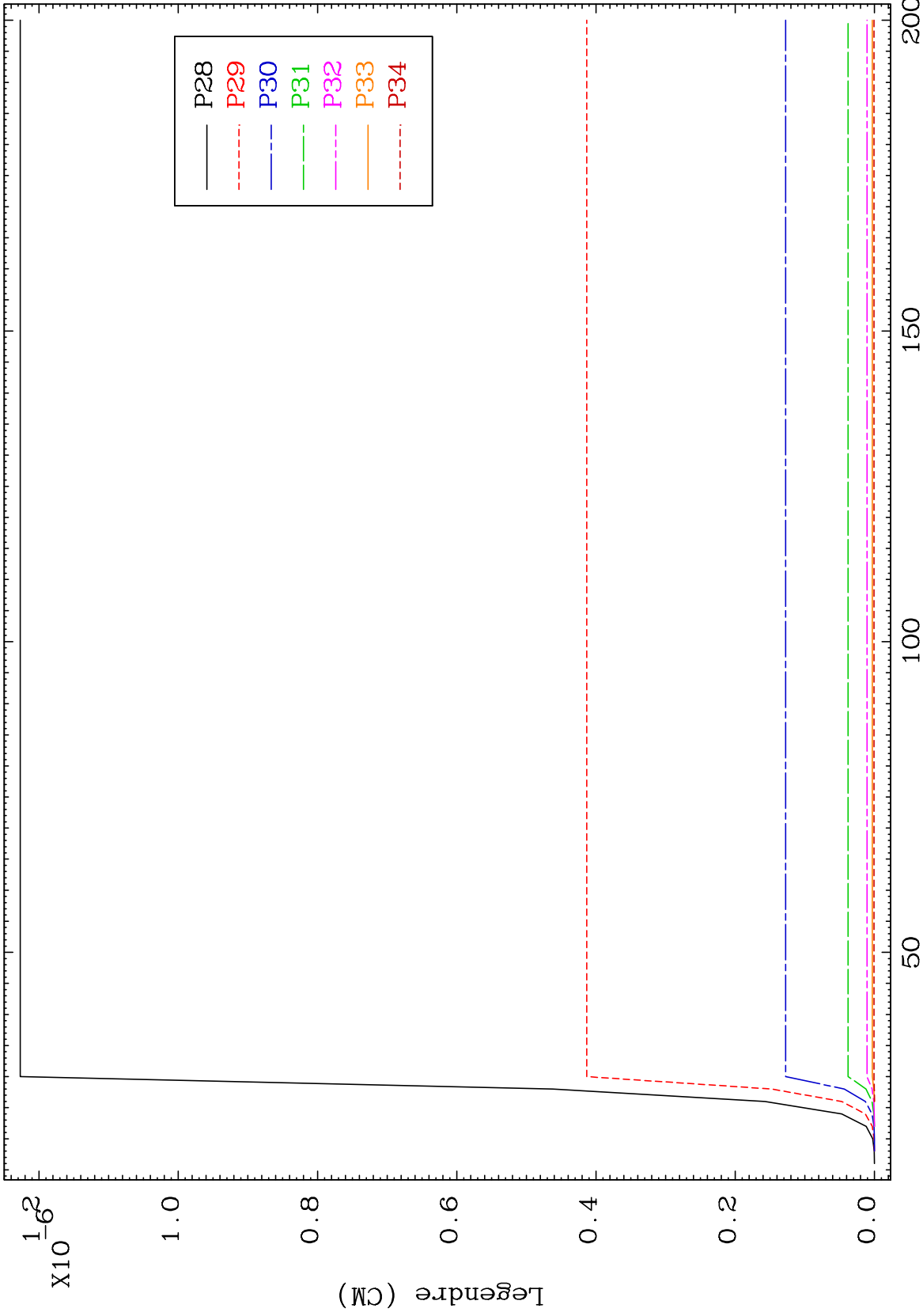
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



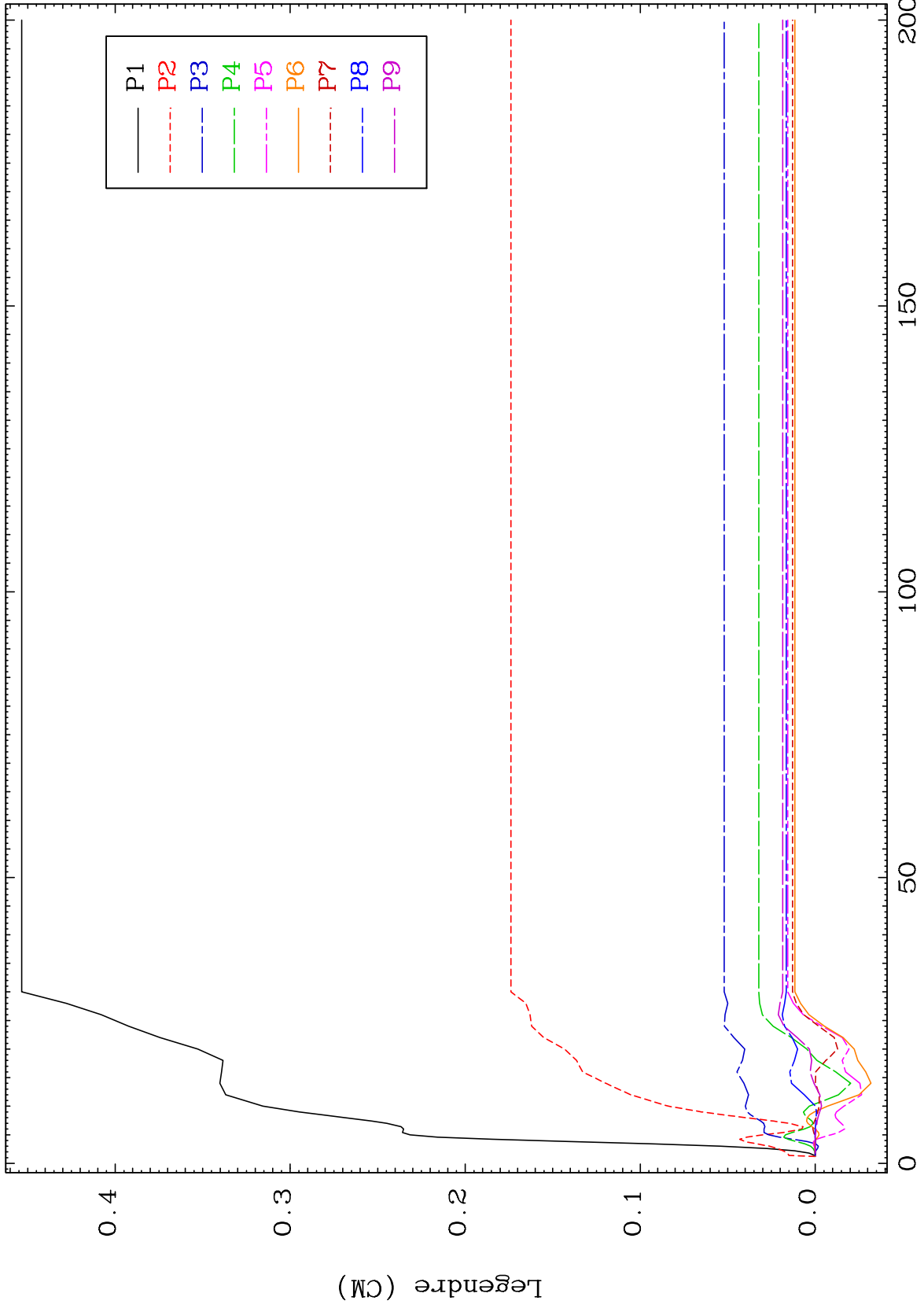
62

41-Nb-105

MAT 4161

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

41-Nb-105



63

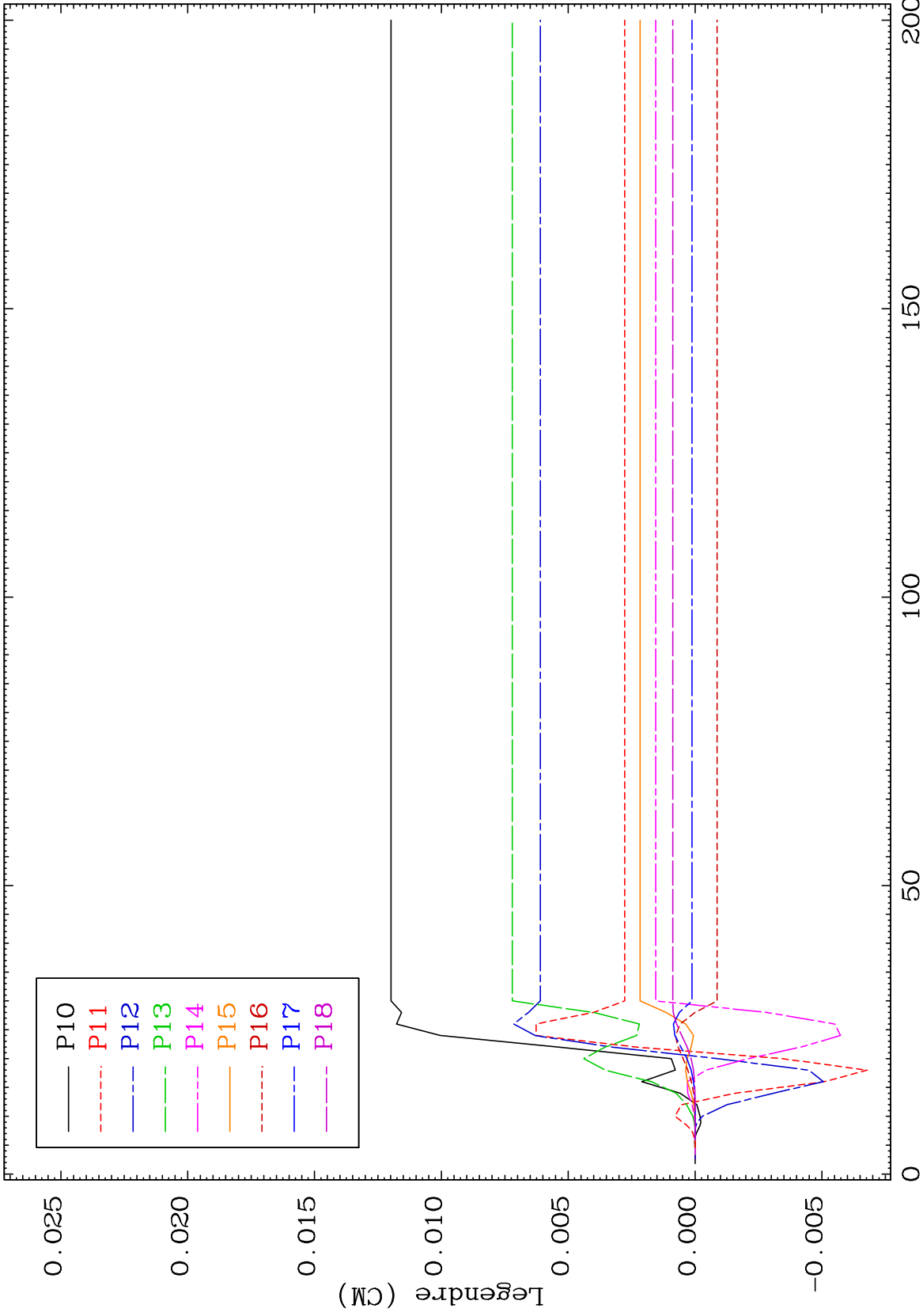
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



64

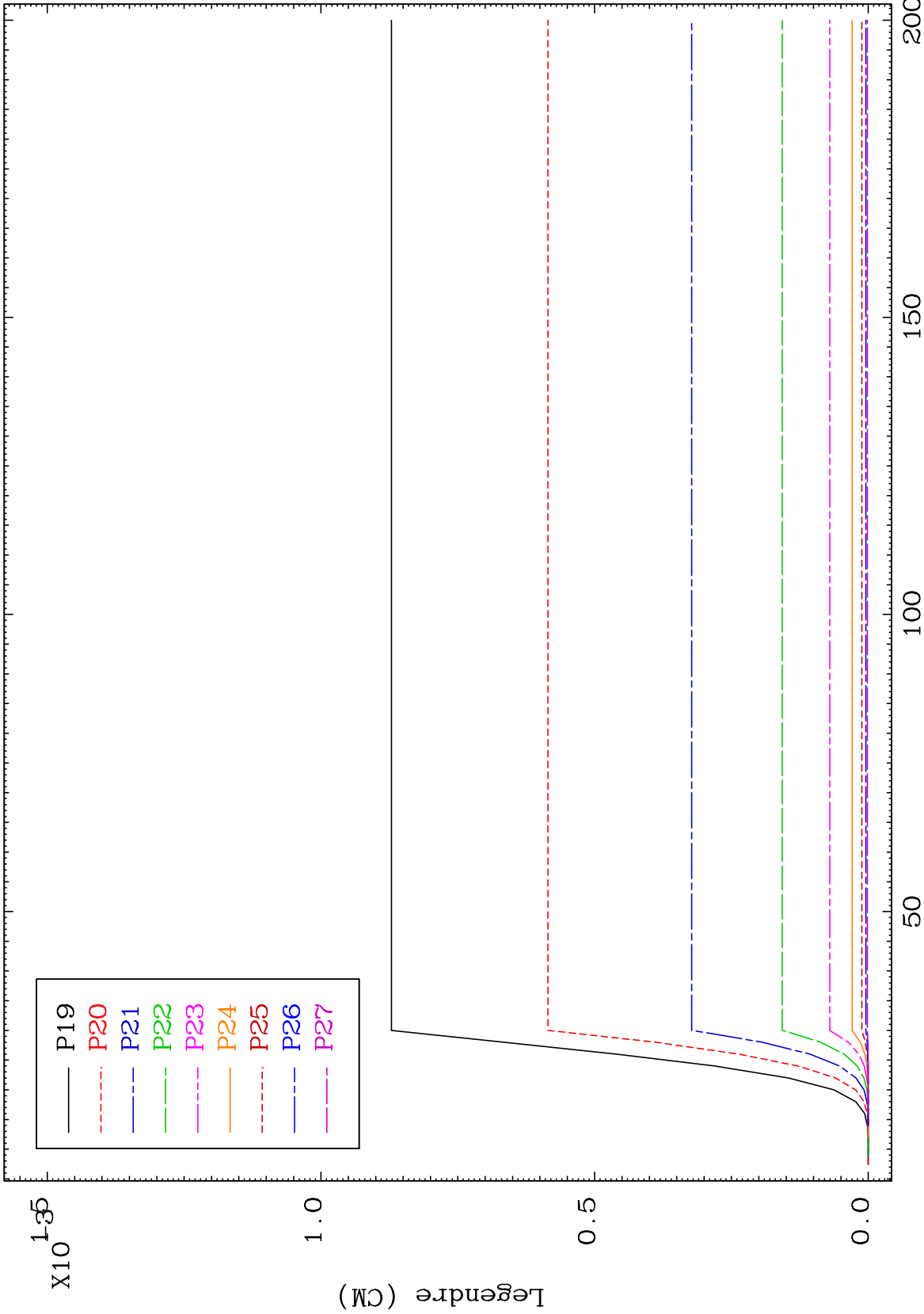
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



65

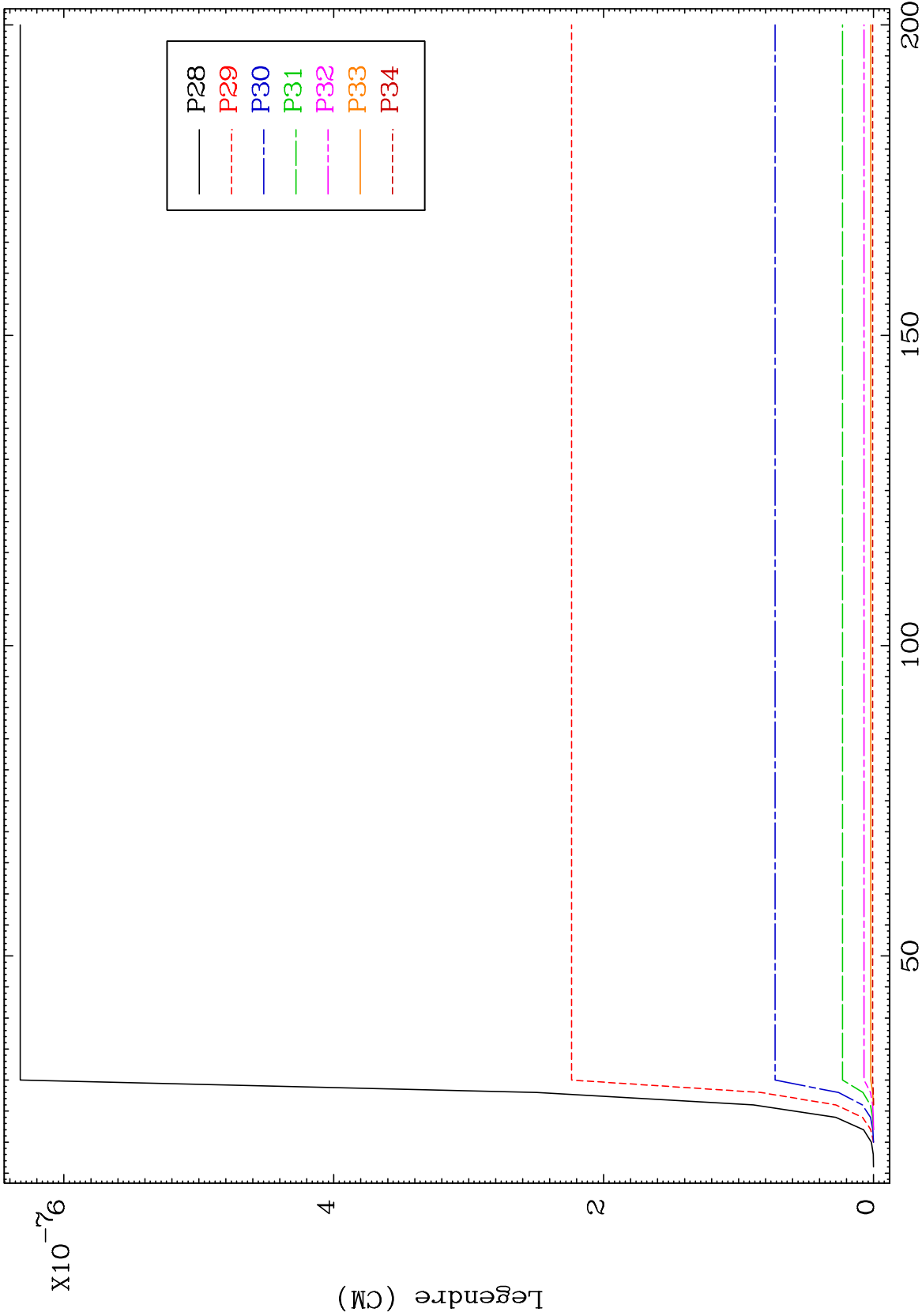
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



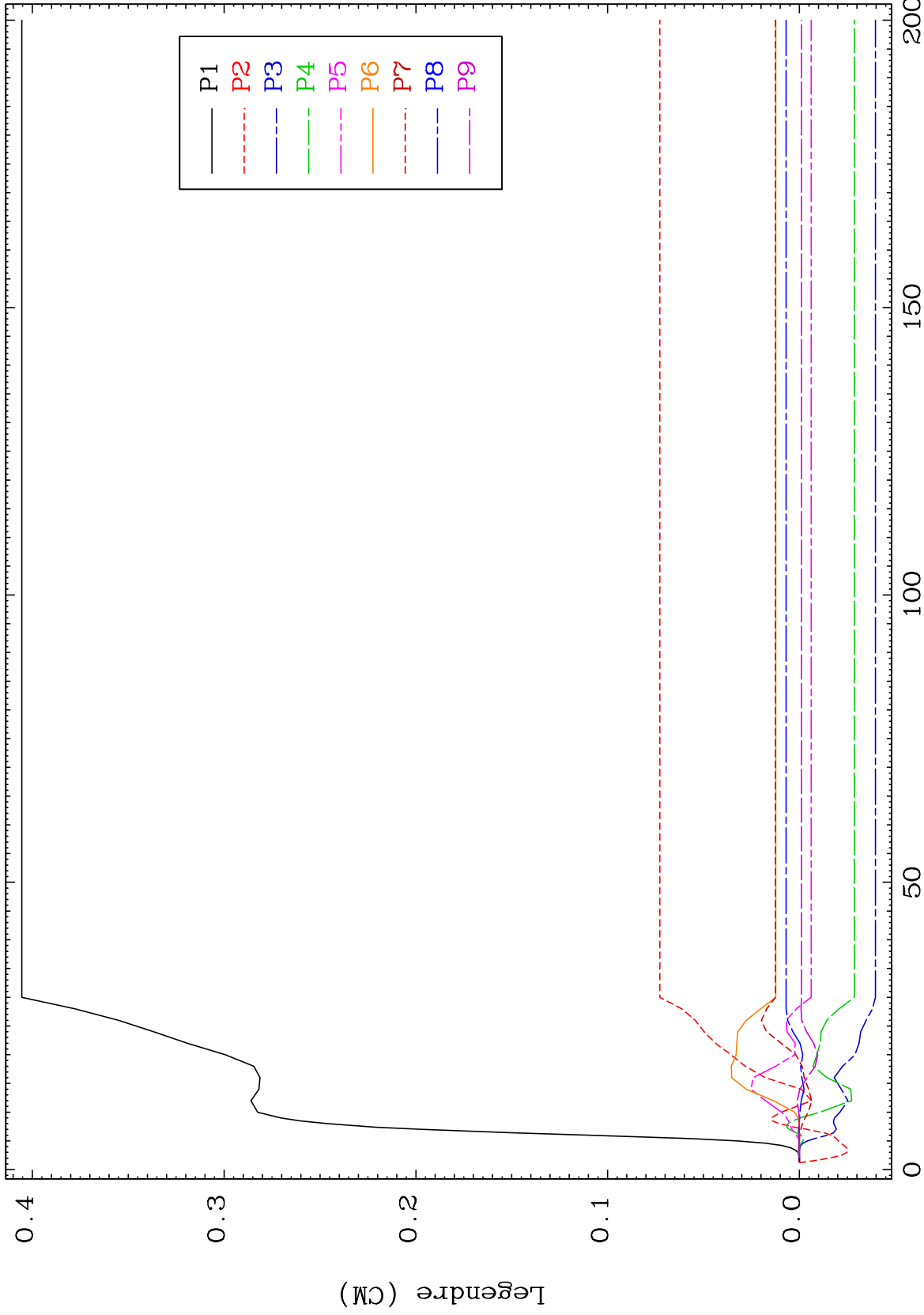
66

41-Nb-105

MAT 4161

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

41-Nb-105



67

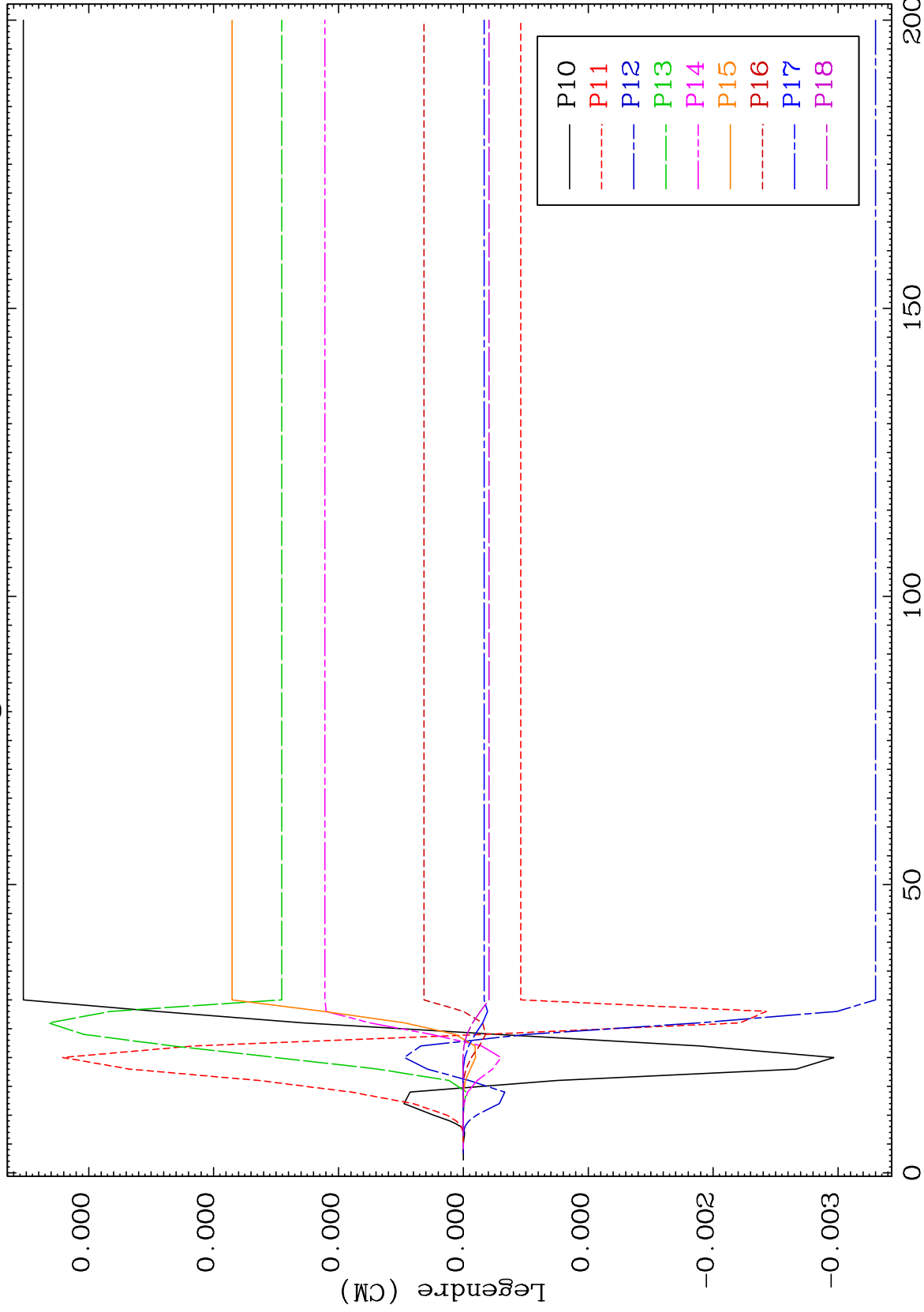
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



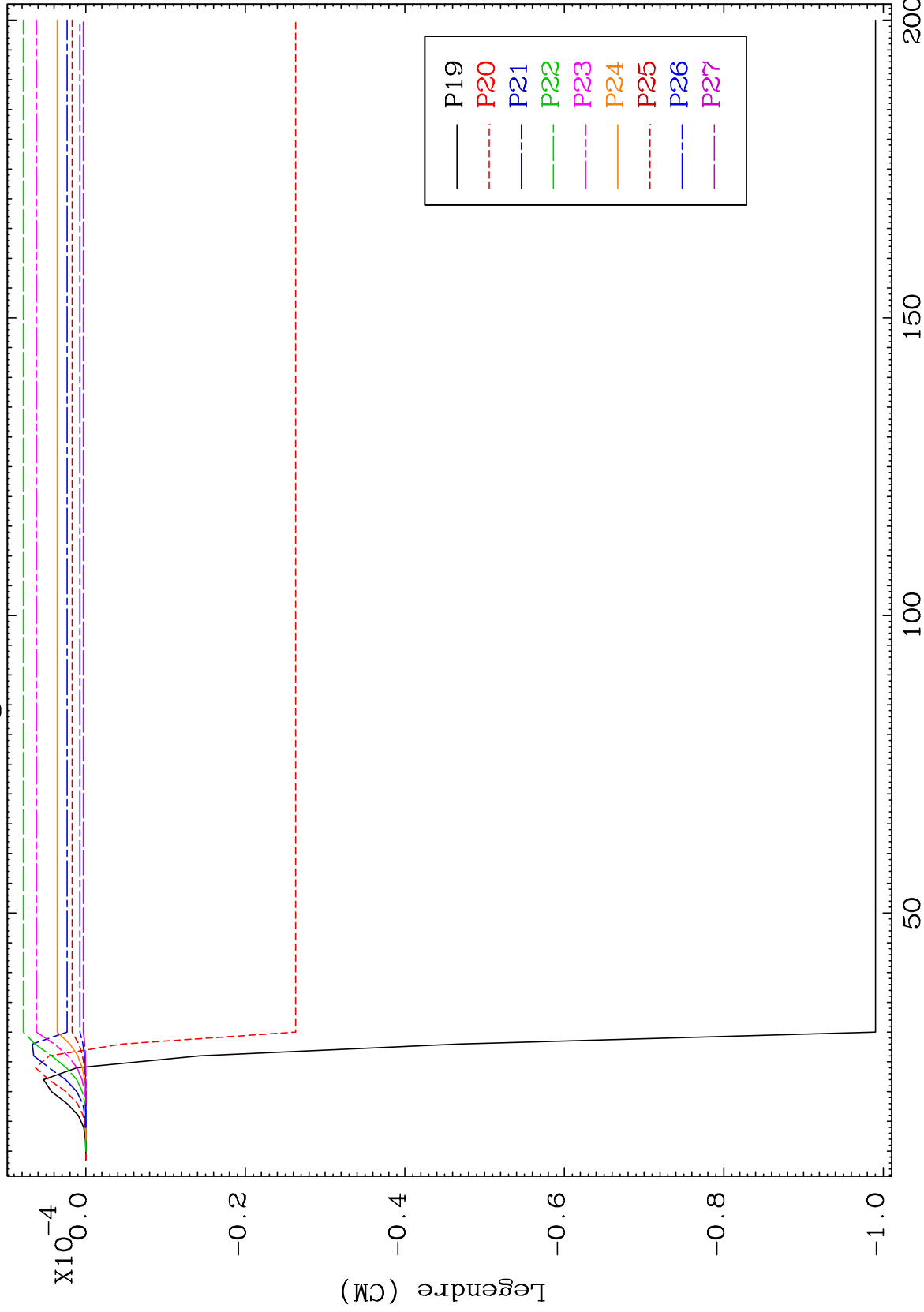
68

41-Nb-105

MAT 4161

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

41-Nb-105



69

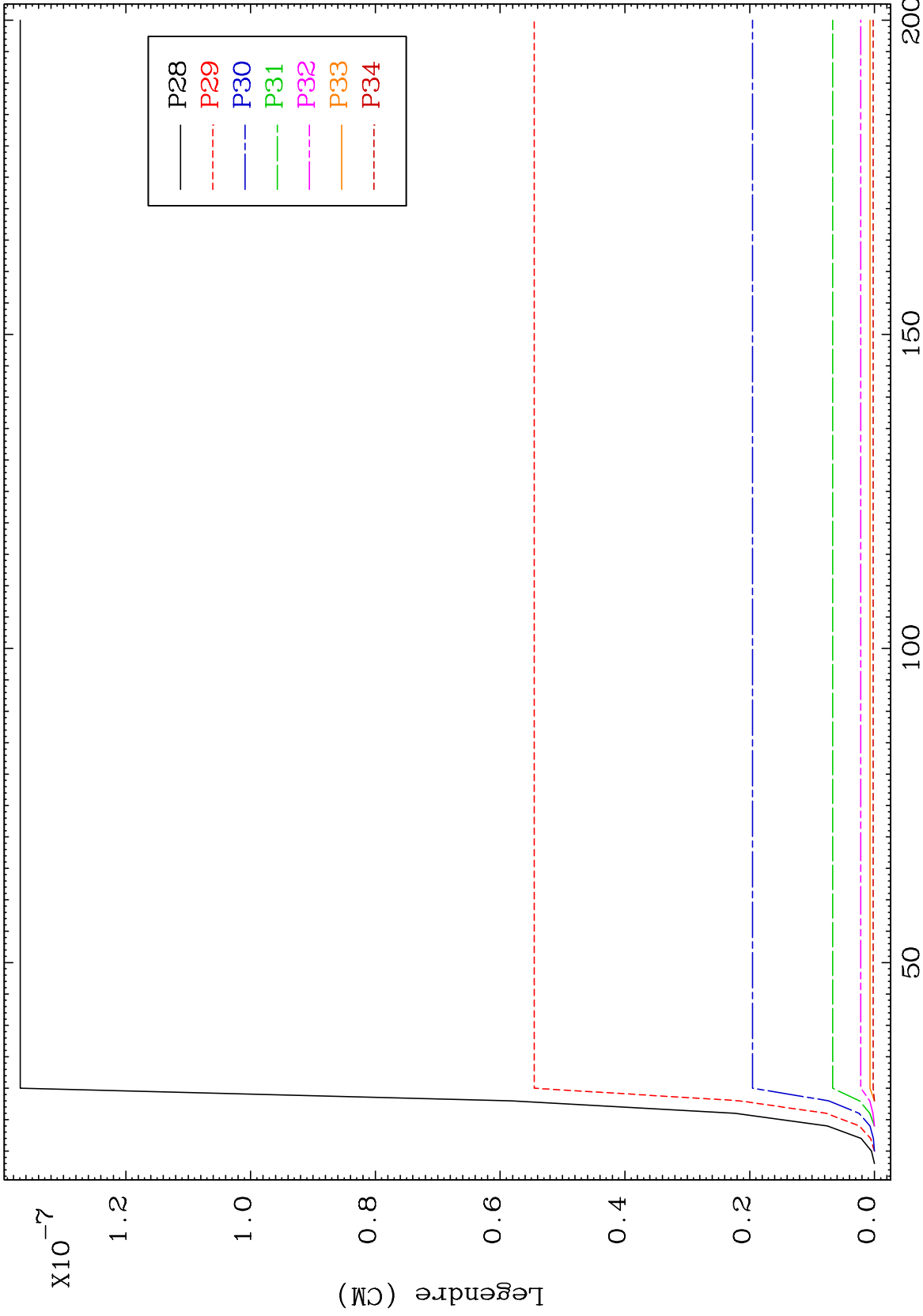
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



70

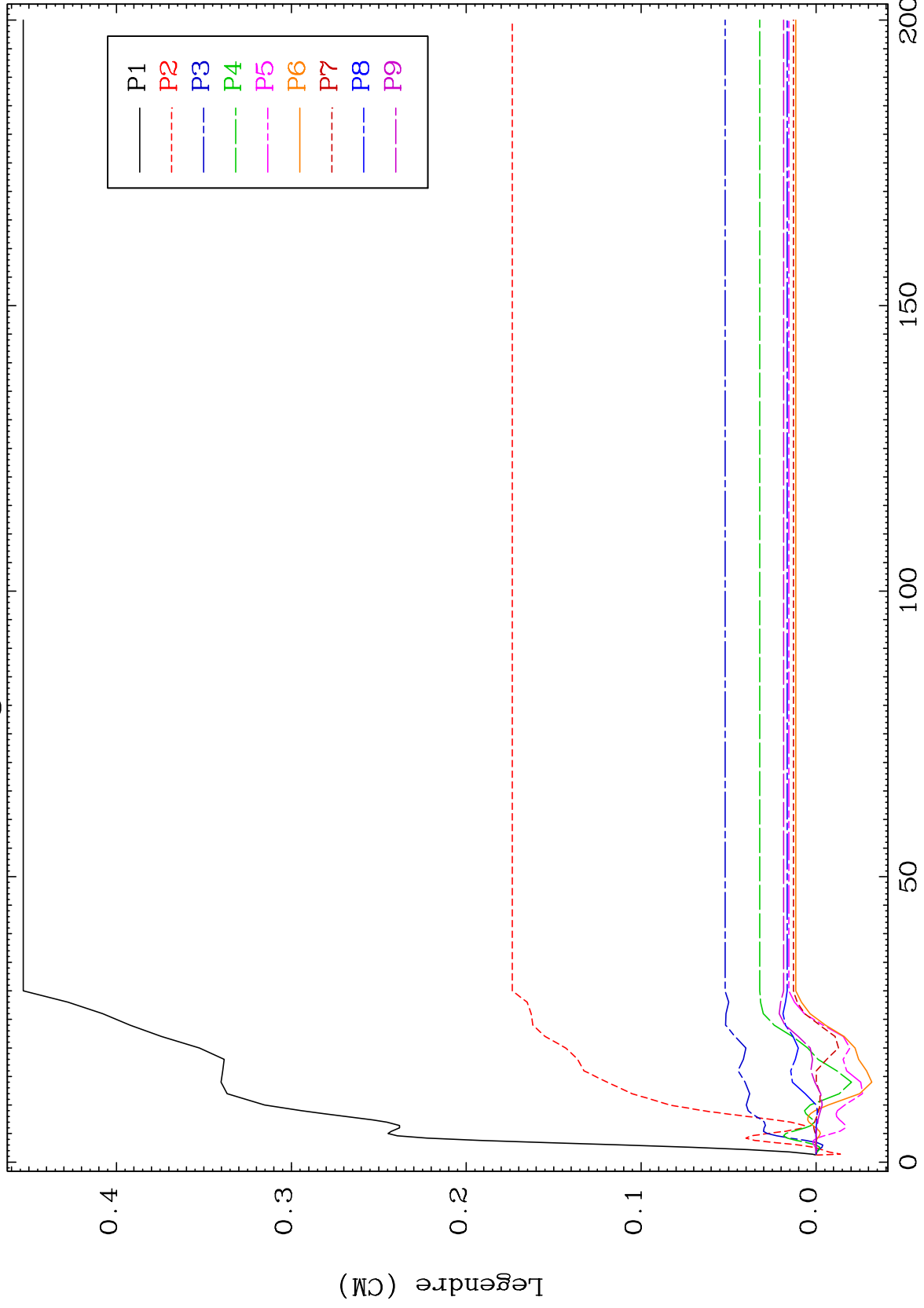
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



71

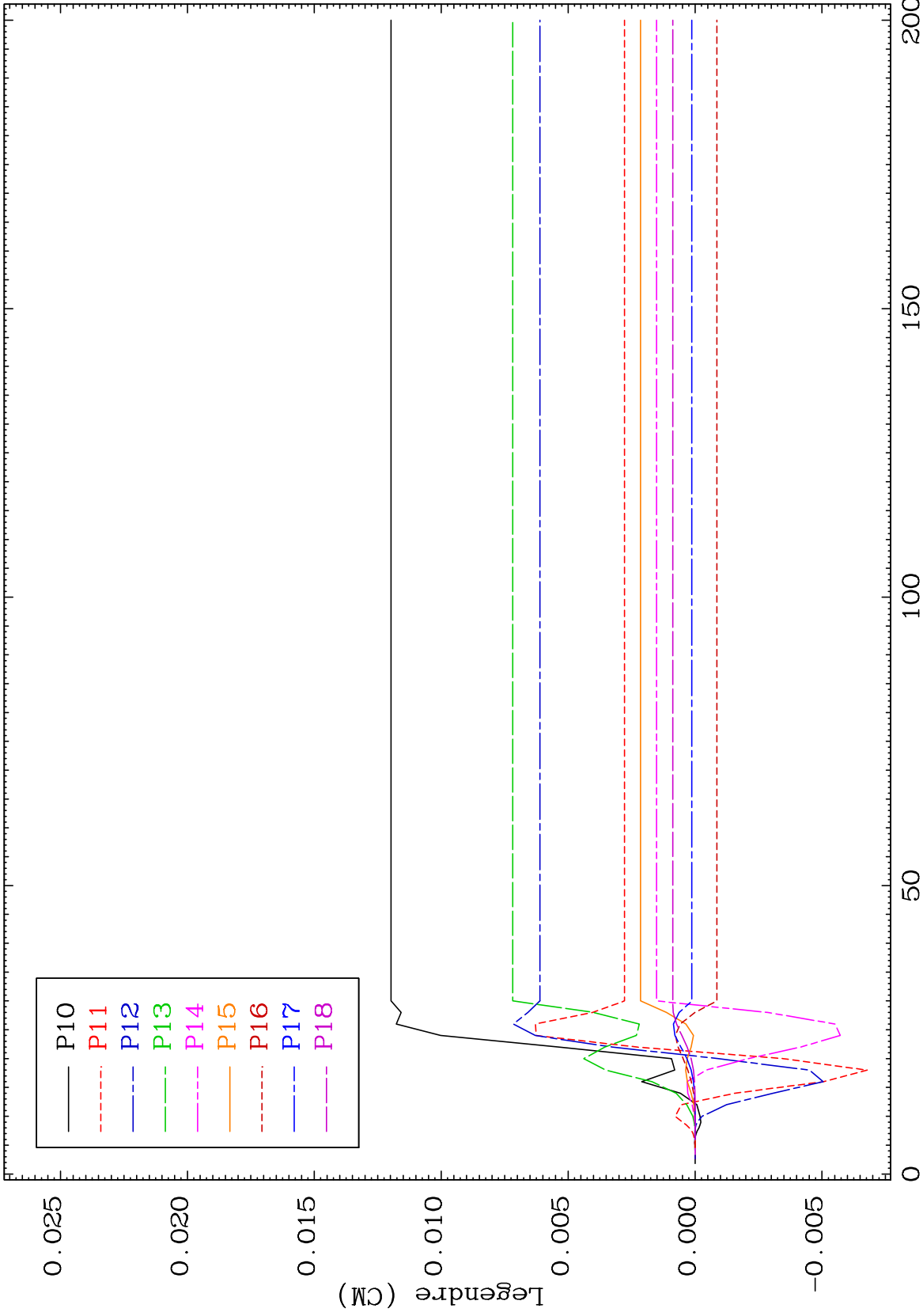
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



72

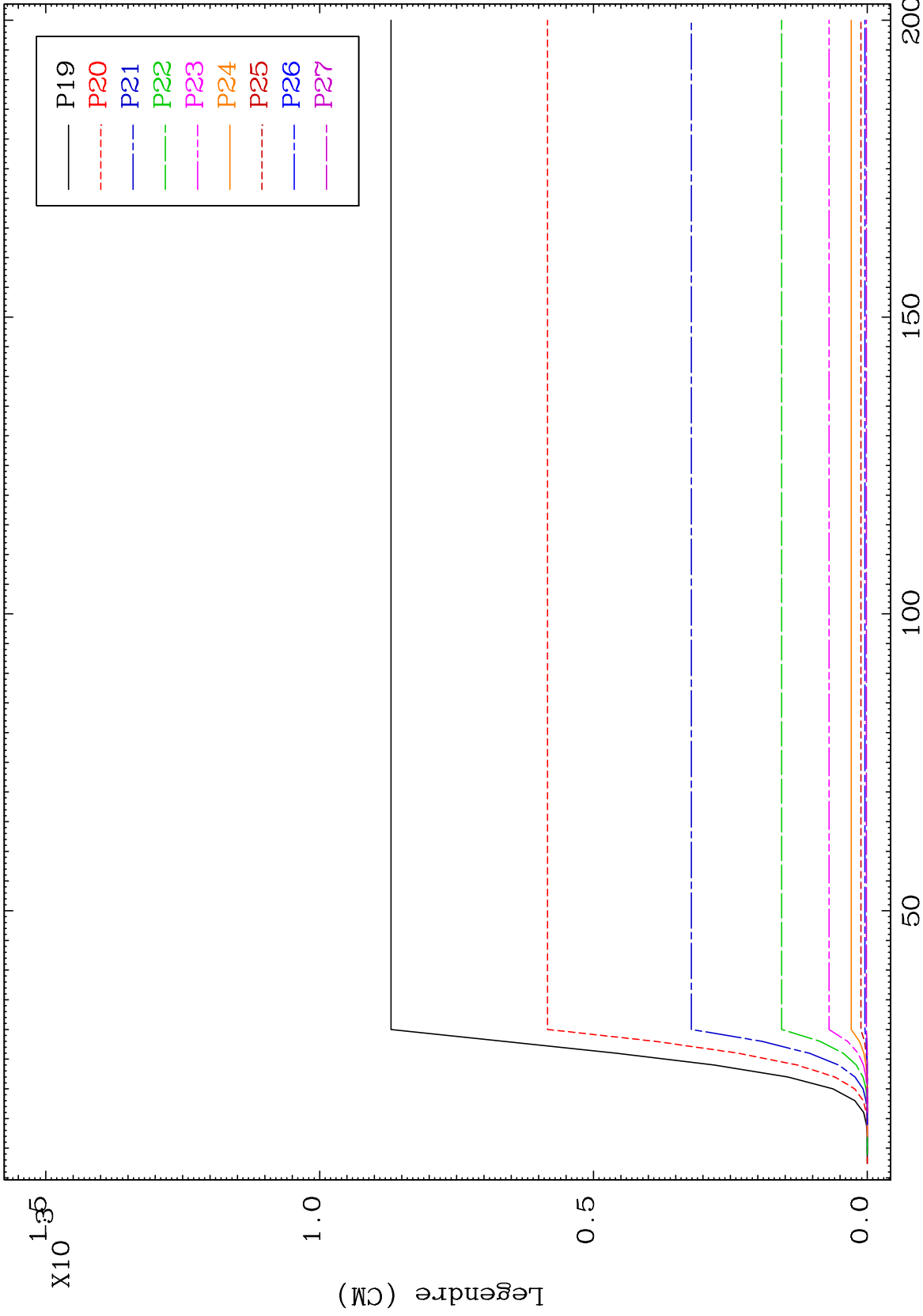
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



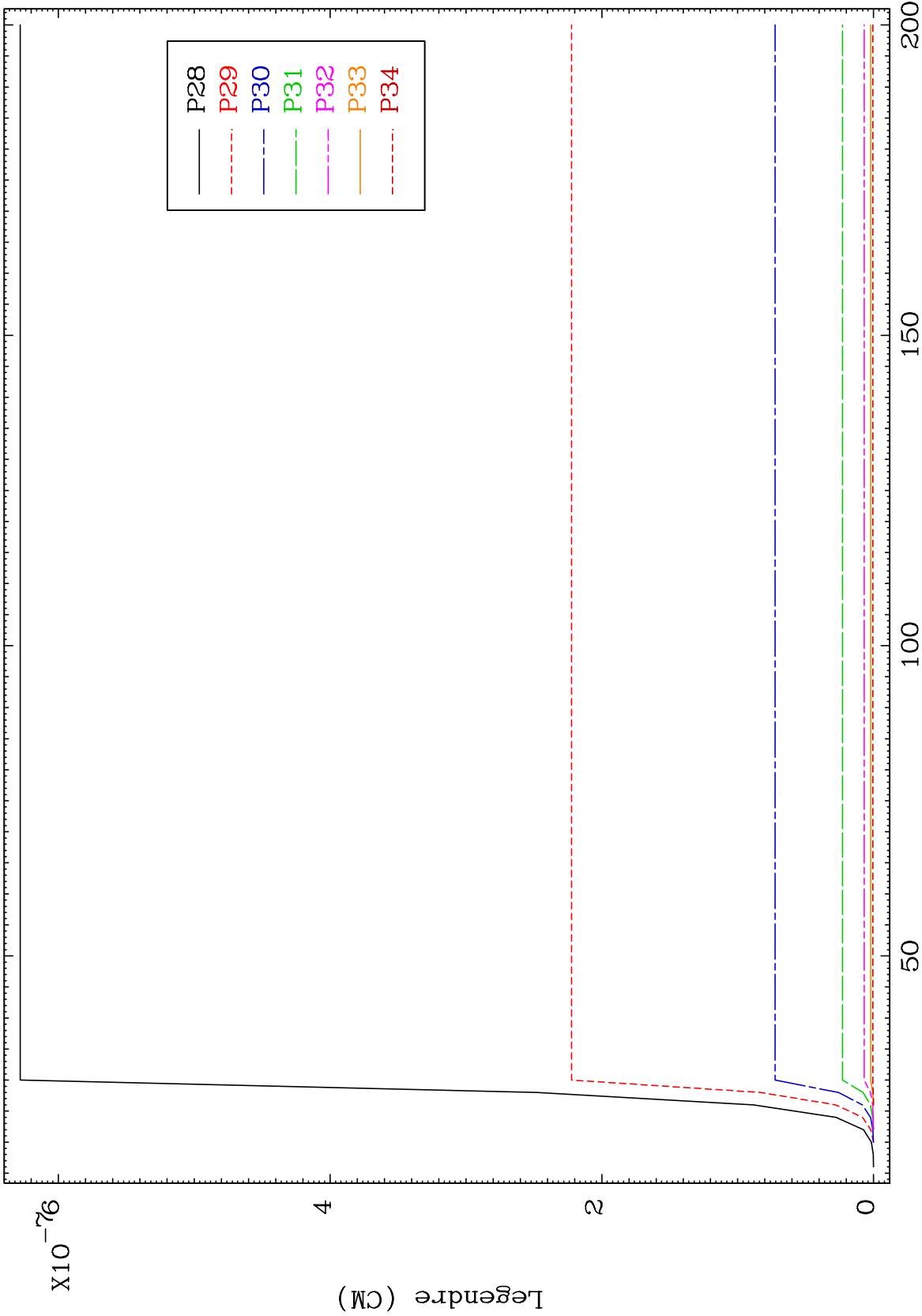
73

41-Nb-105

MAT 4161

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

41-Nb-105



74

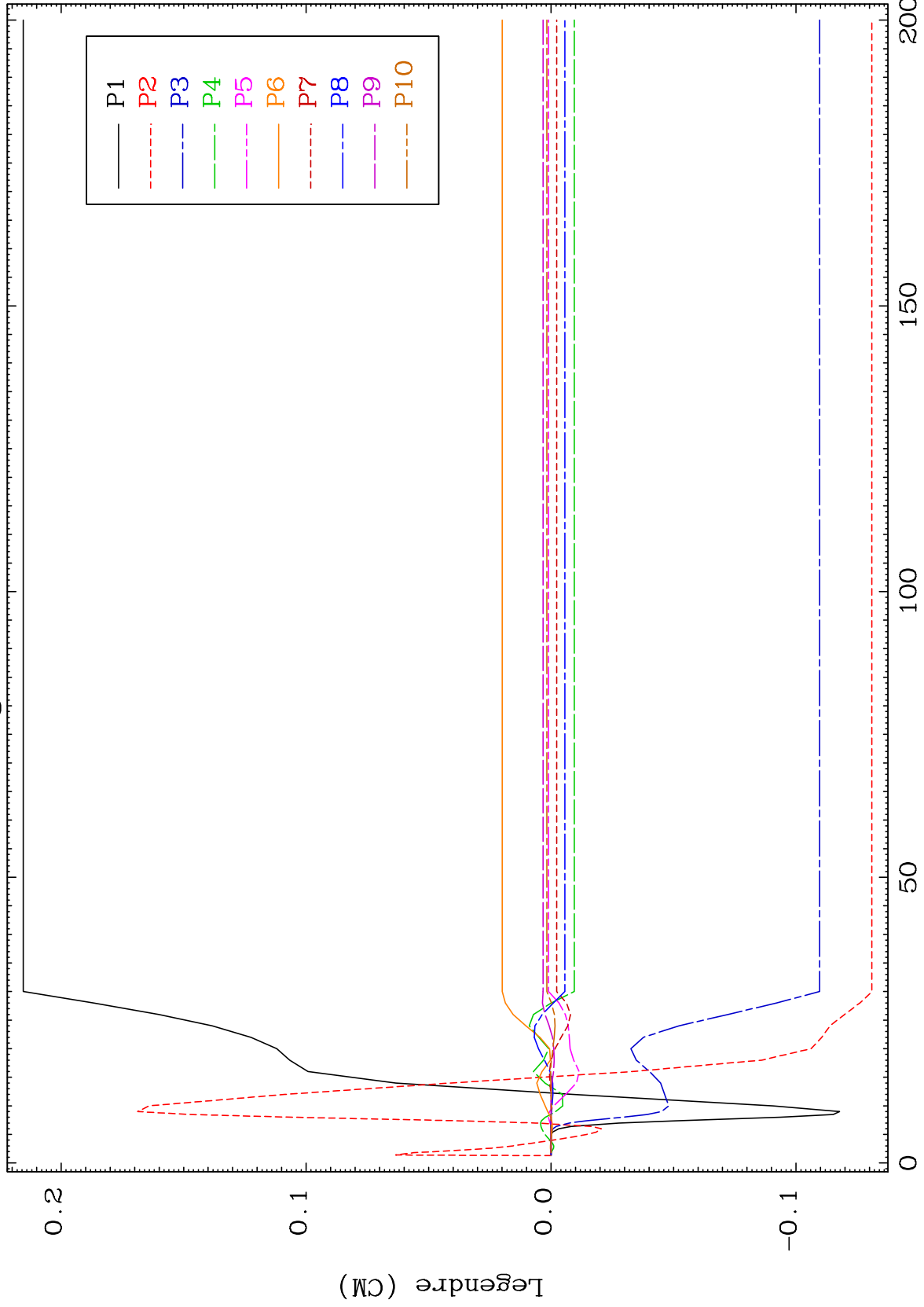
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



75

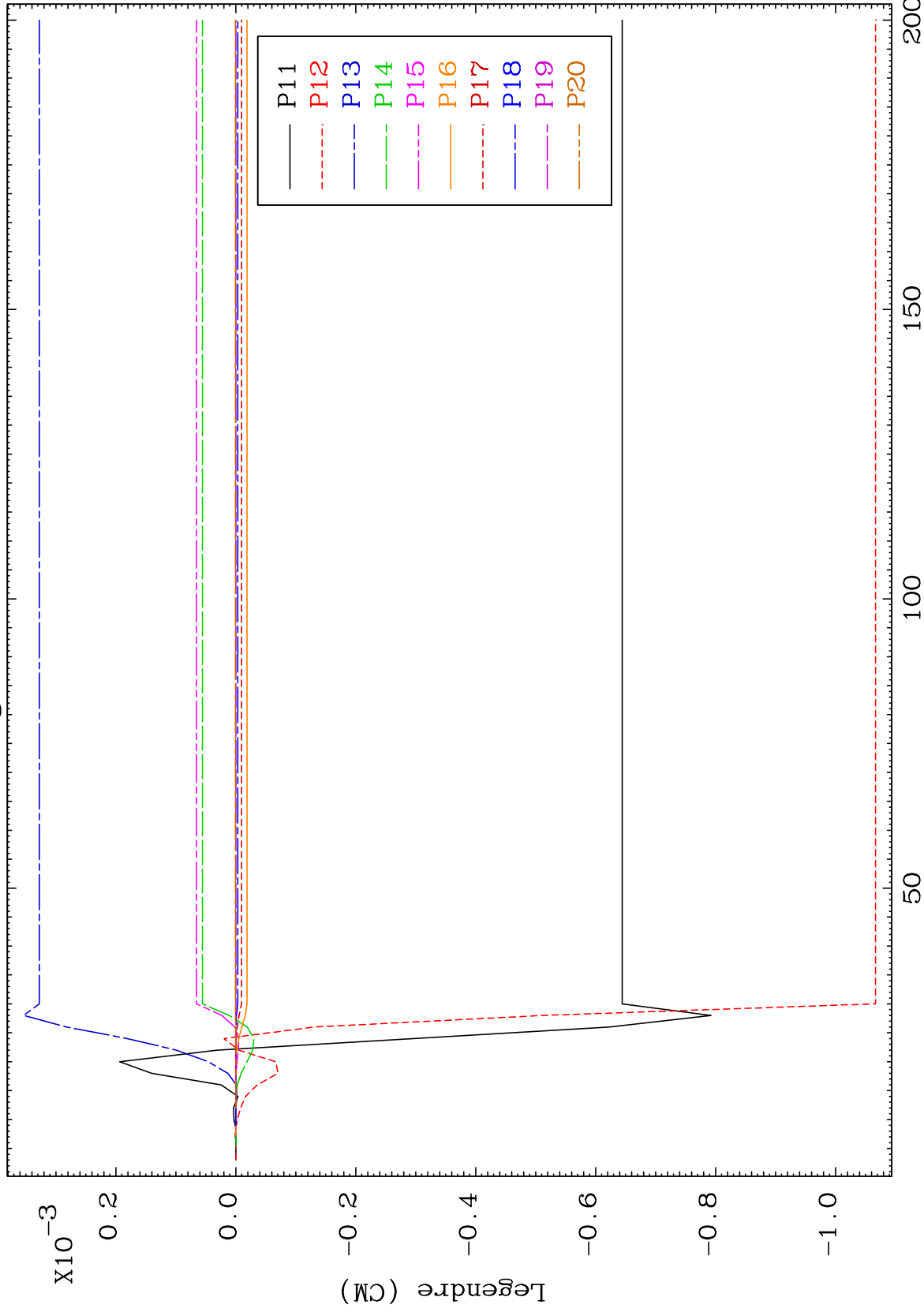
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



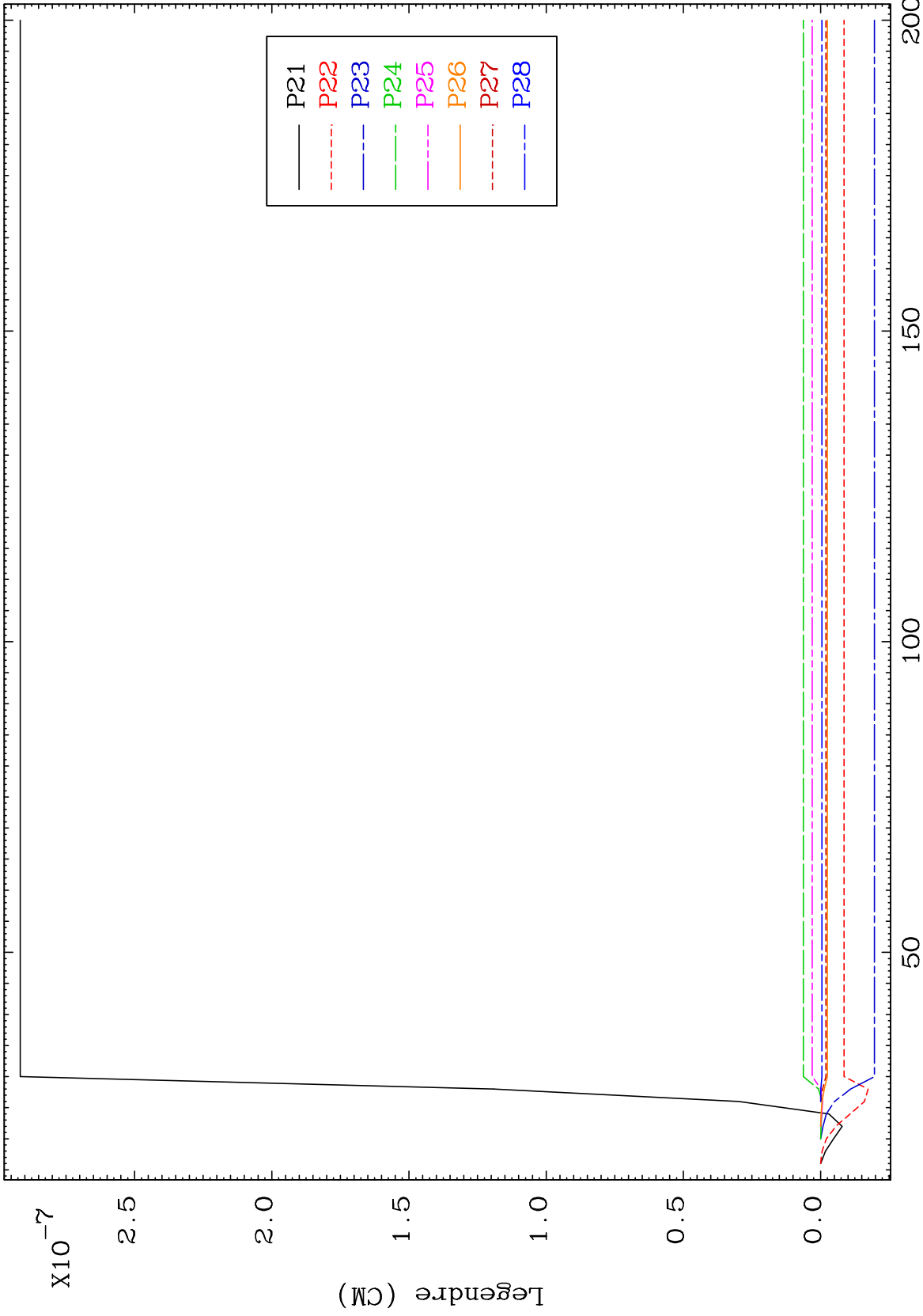
76

41-Nb-105

MAT 4161

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

41-Nb-105



77

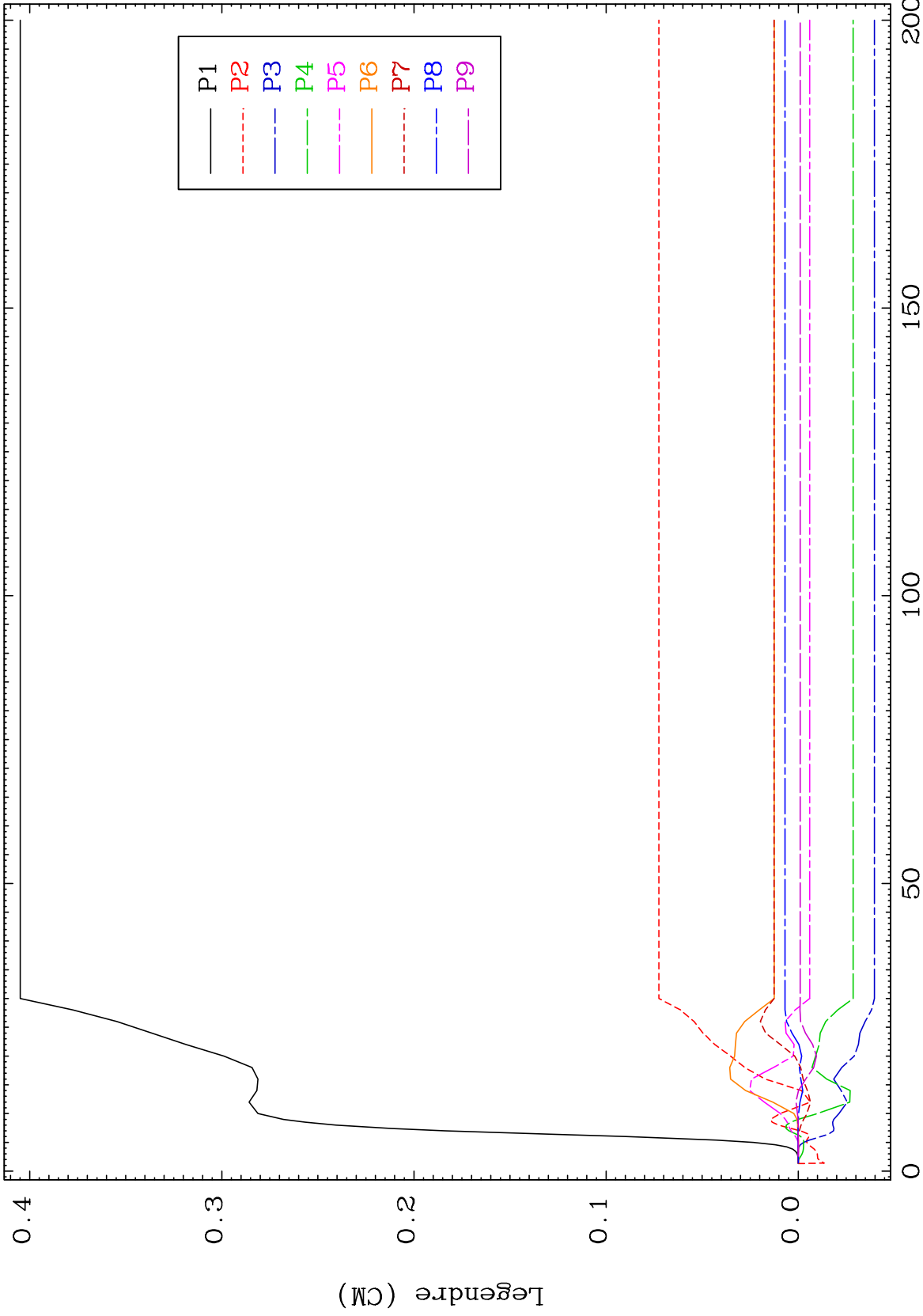
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



78

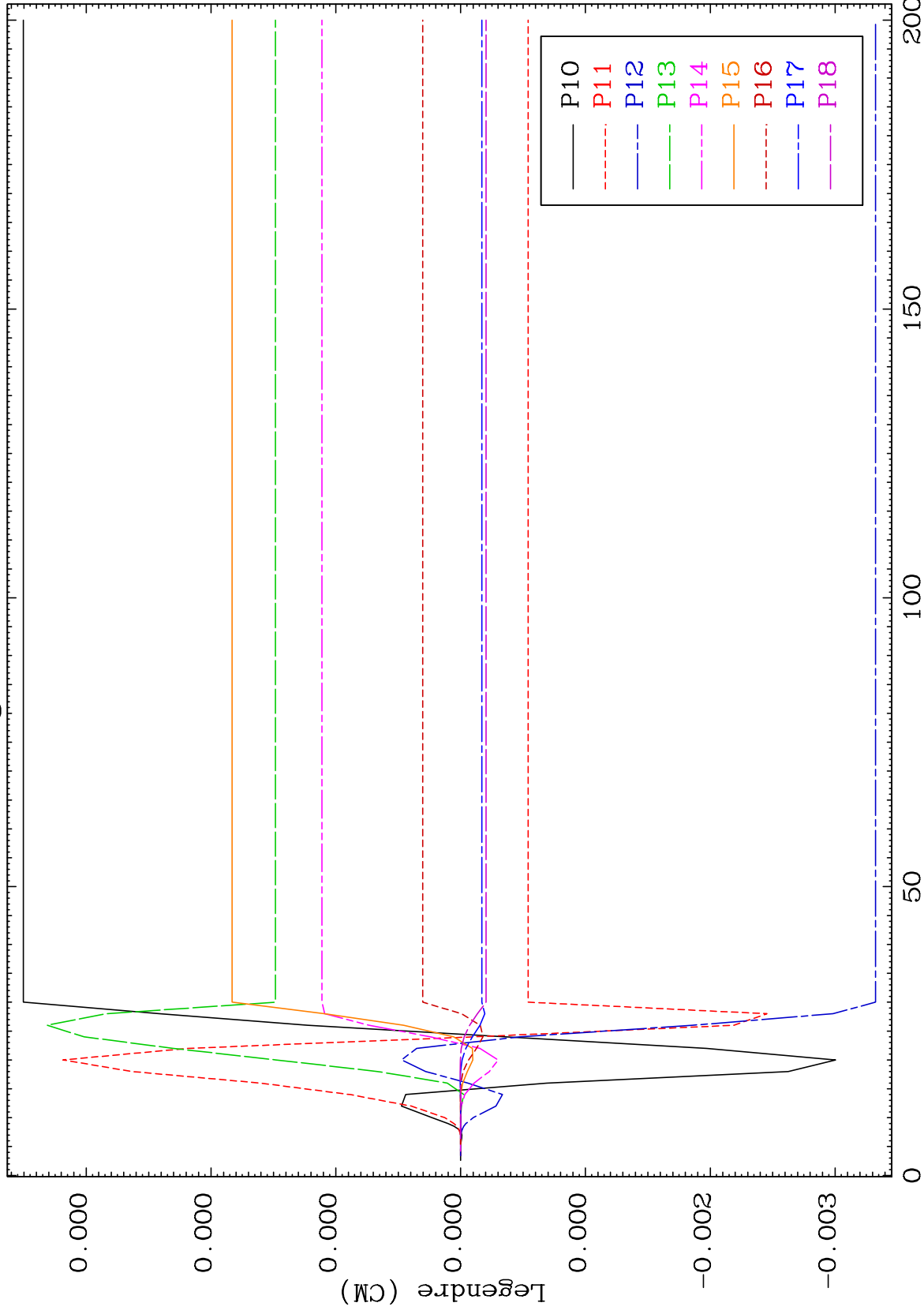
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



79

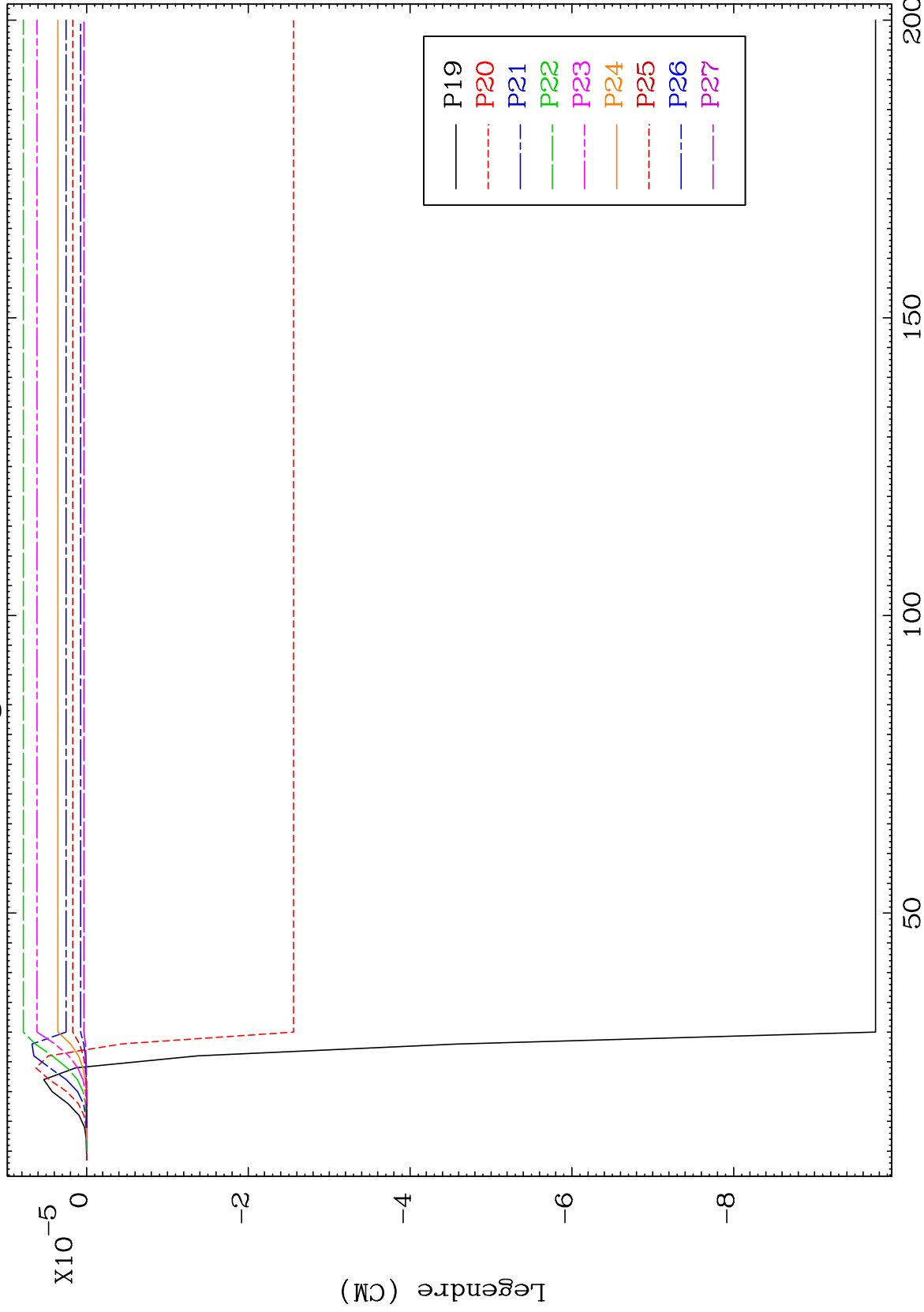
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



41-Nb-105

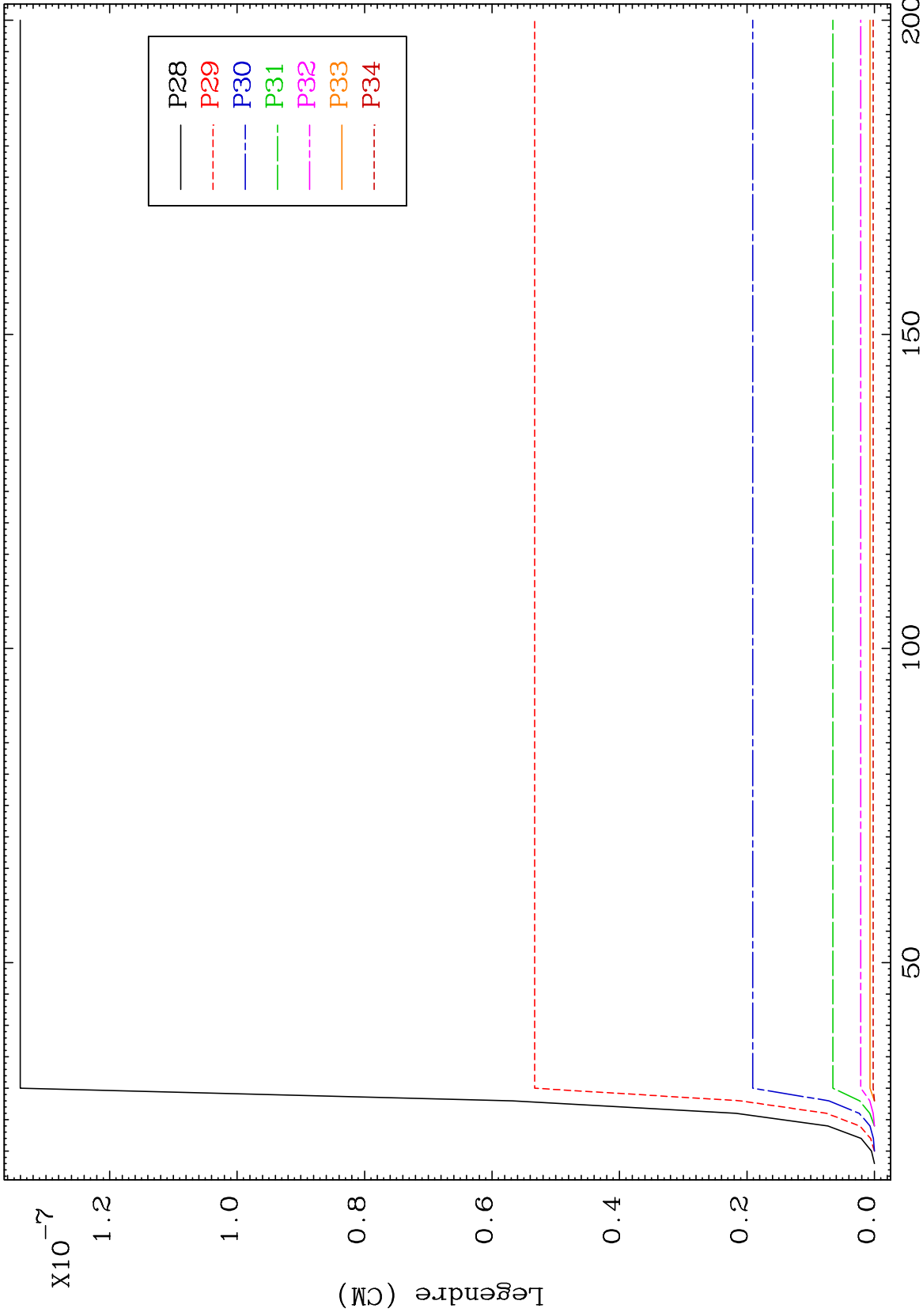
Incident Energy (MeV)

80

MAT 4161

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

41-Nb-105



81

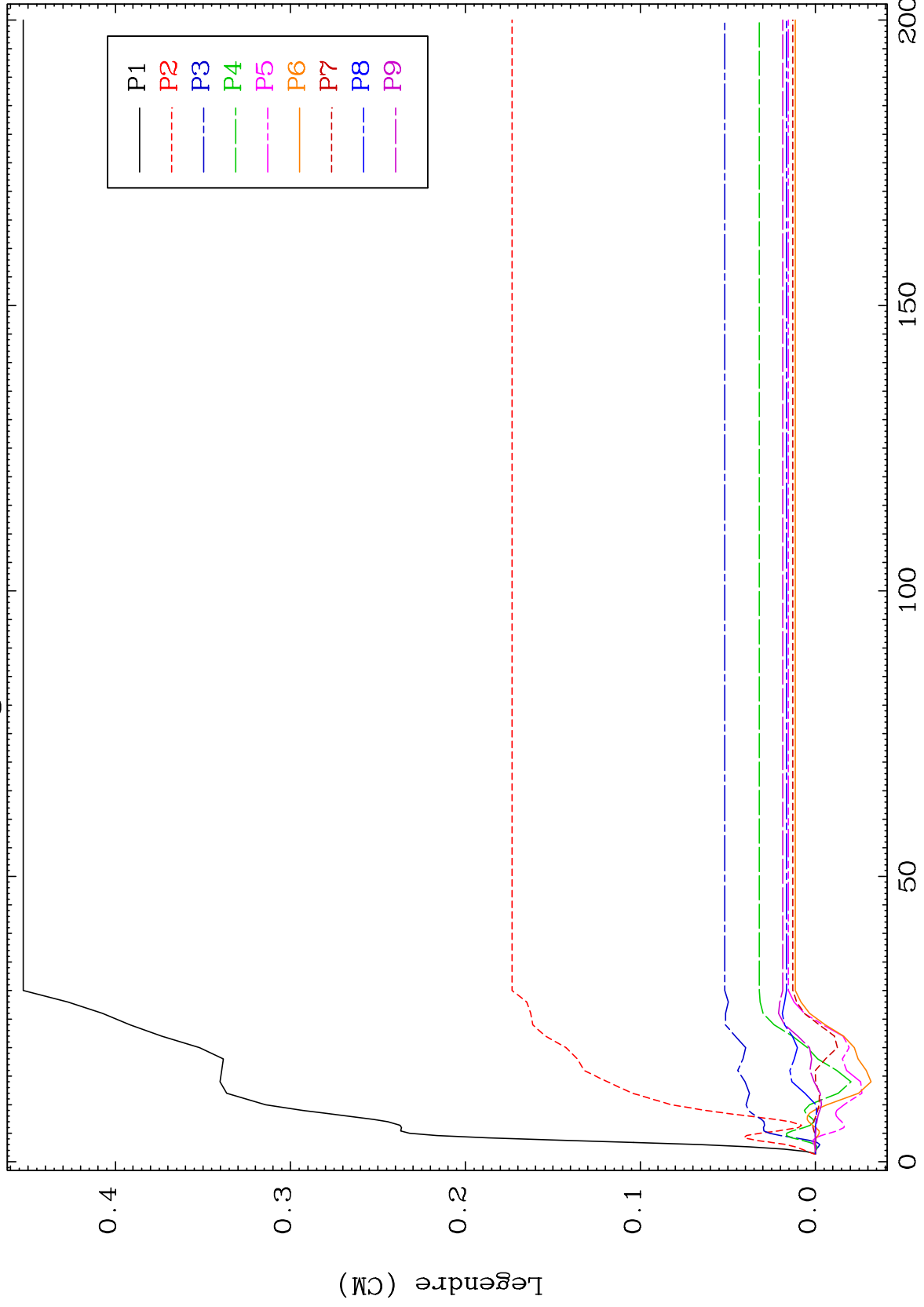
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



82

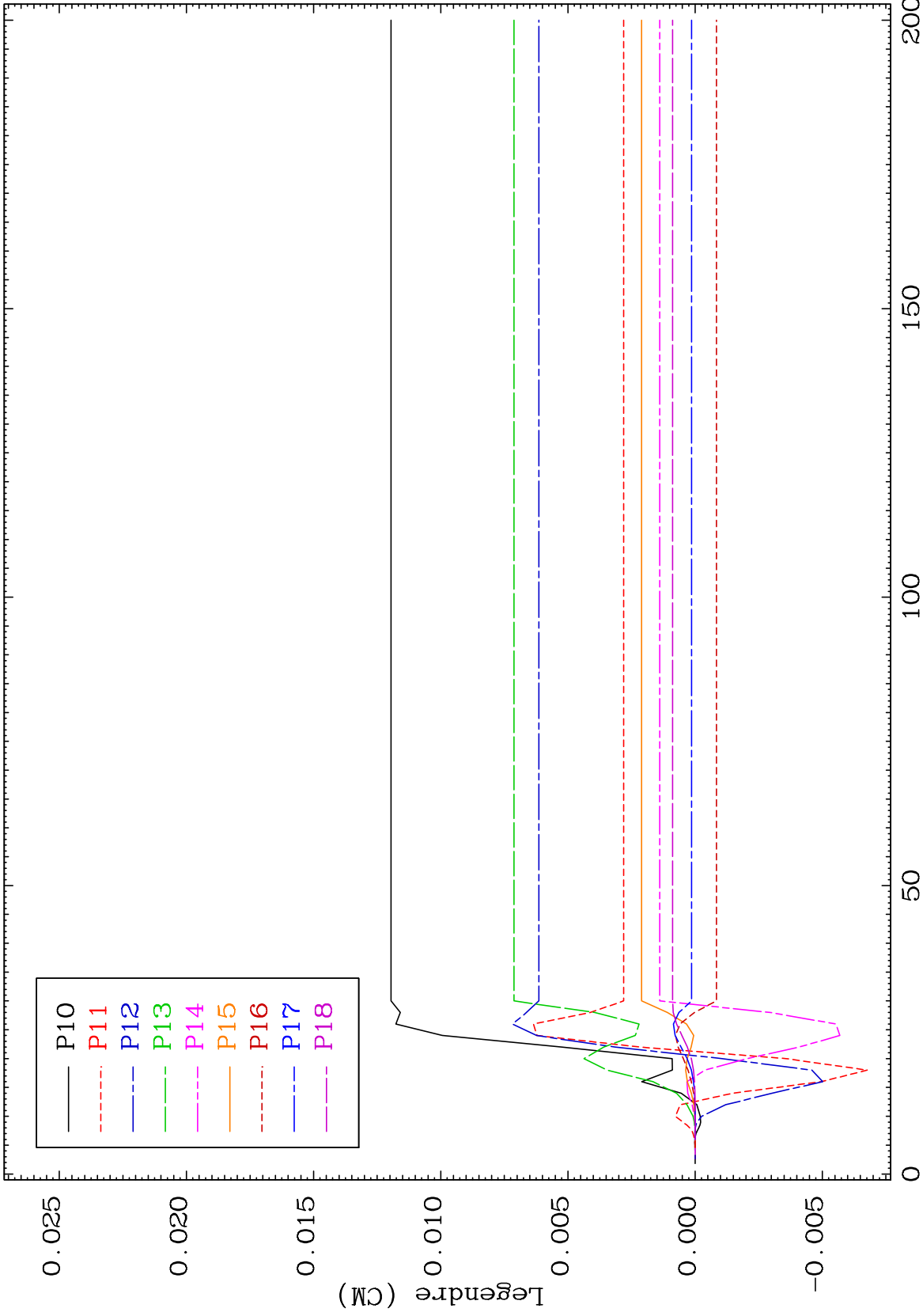
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



83

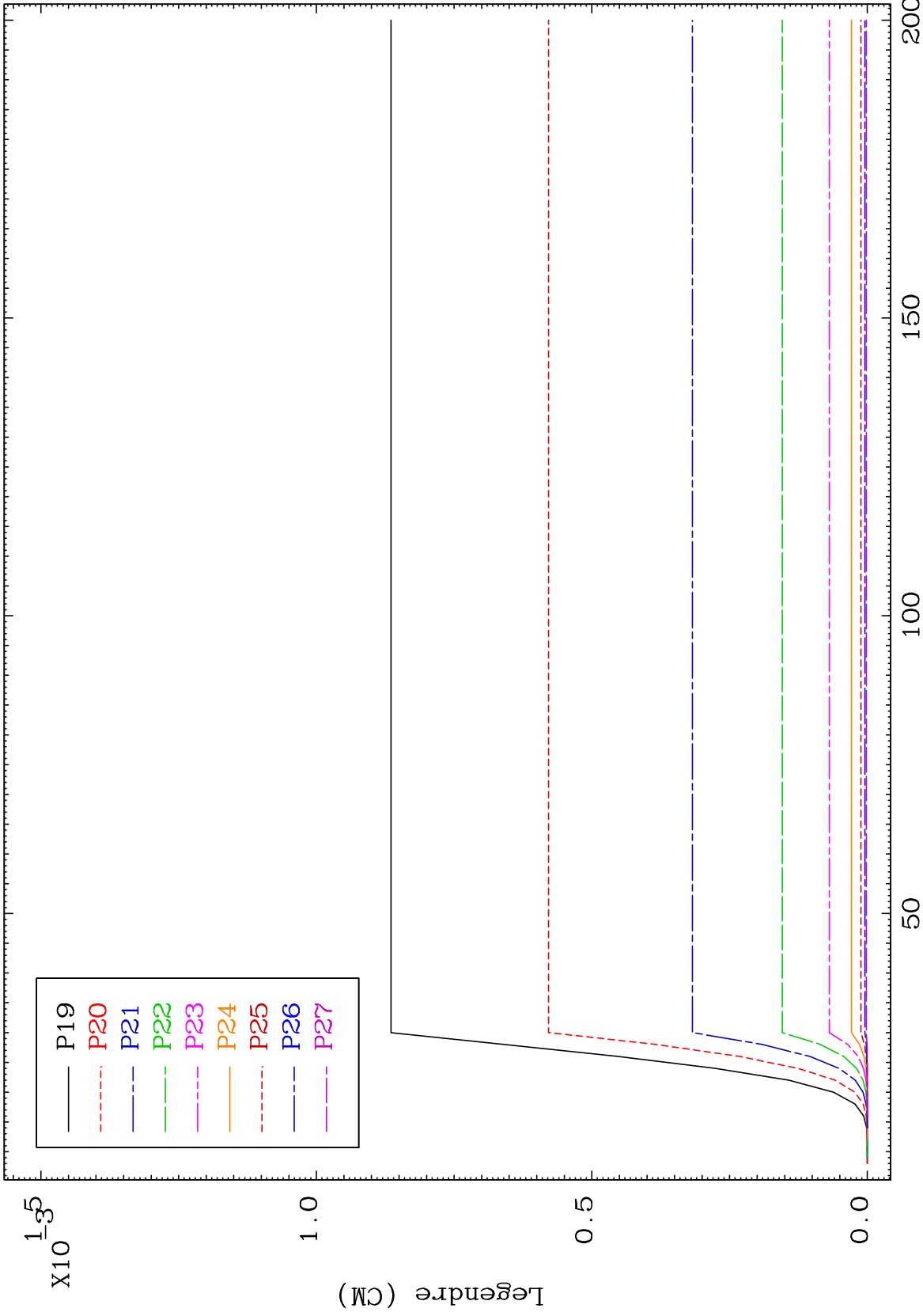
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



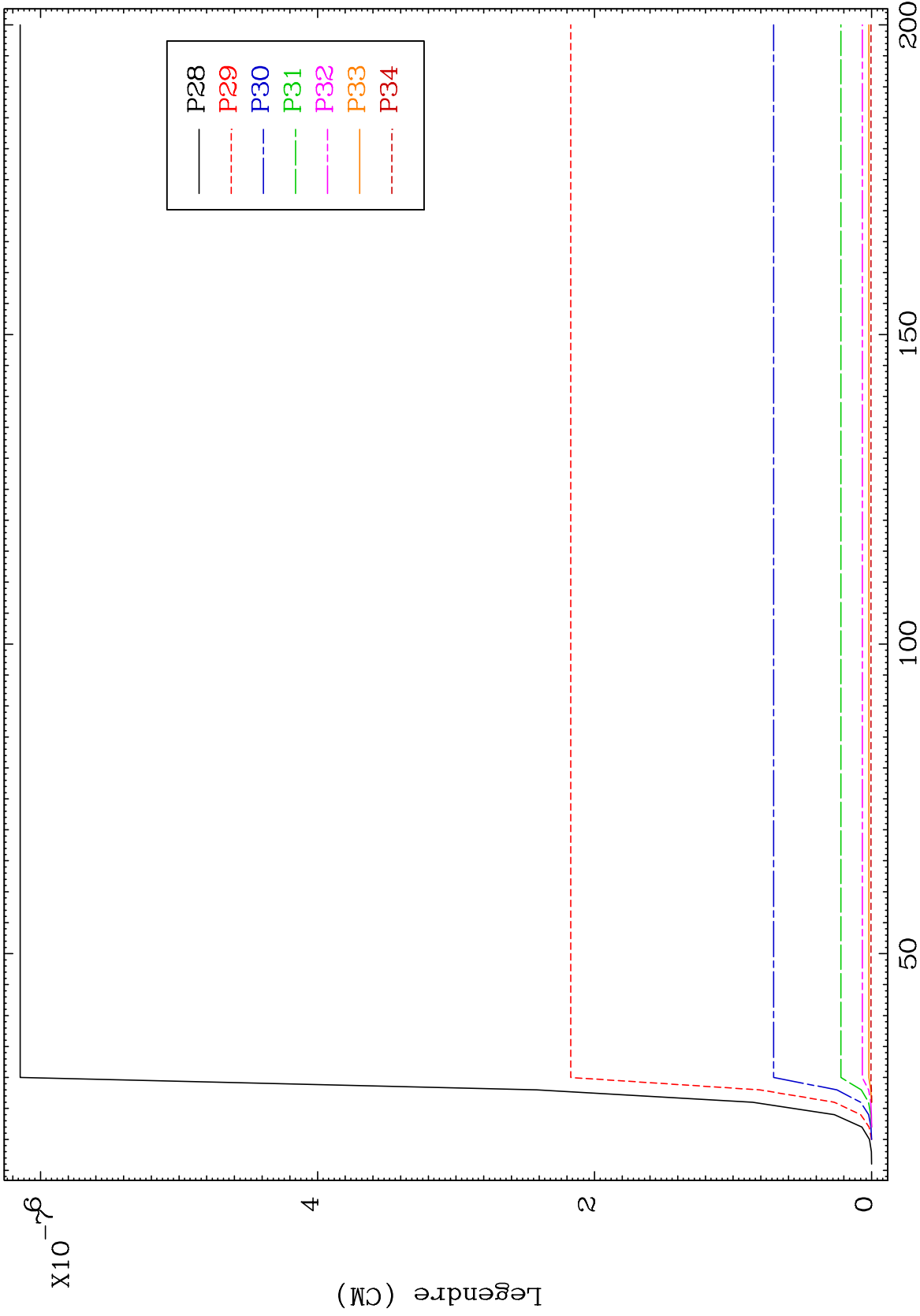
84

41-Nb-105

MAT 4161

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

41-Nb-105



85

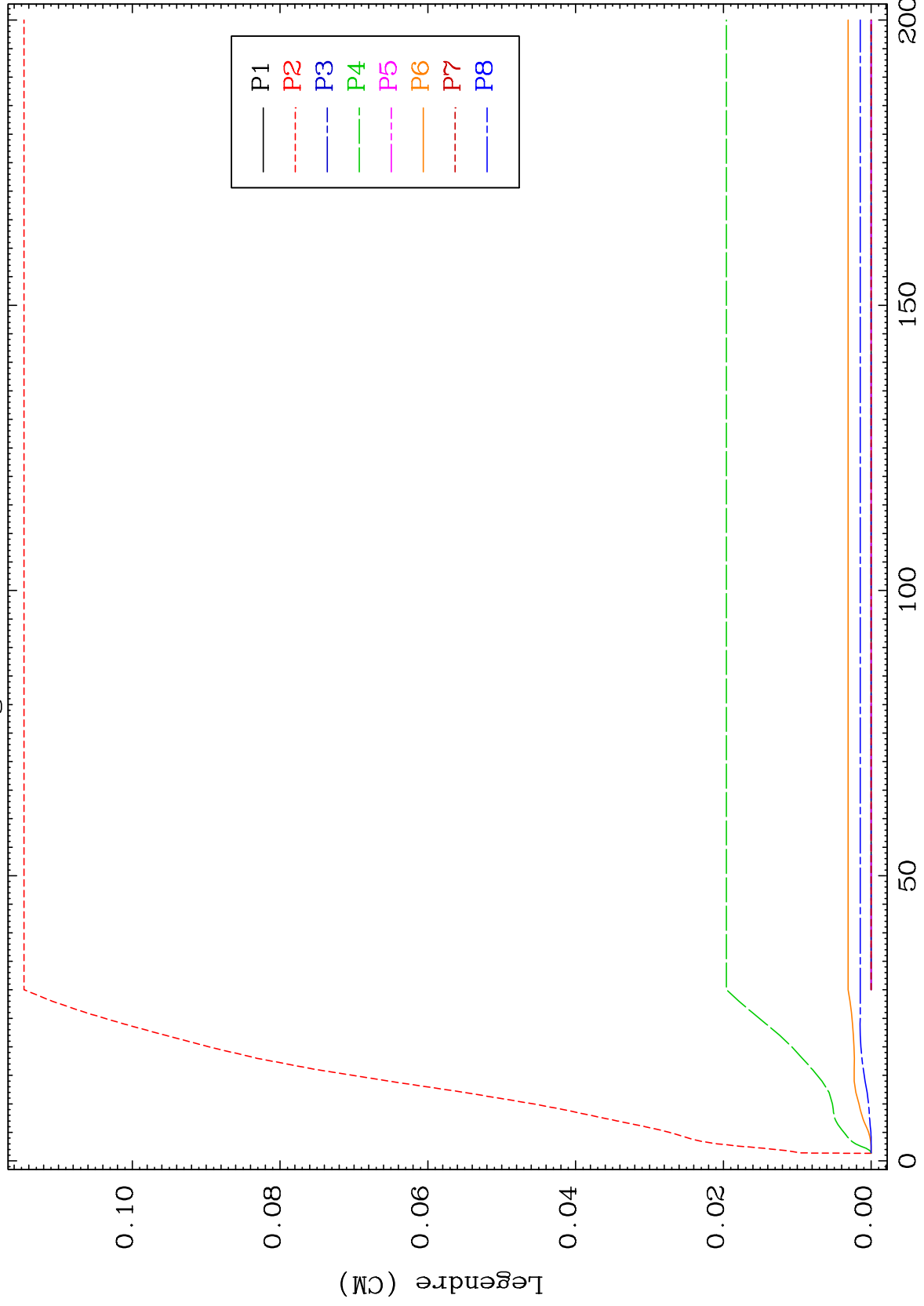
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



86

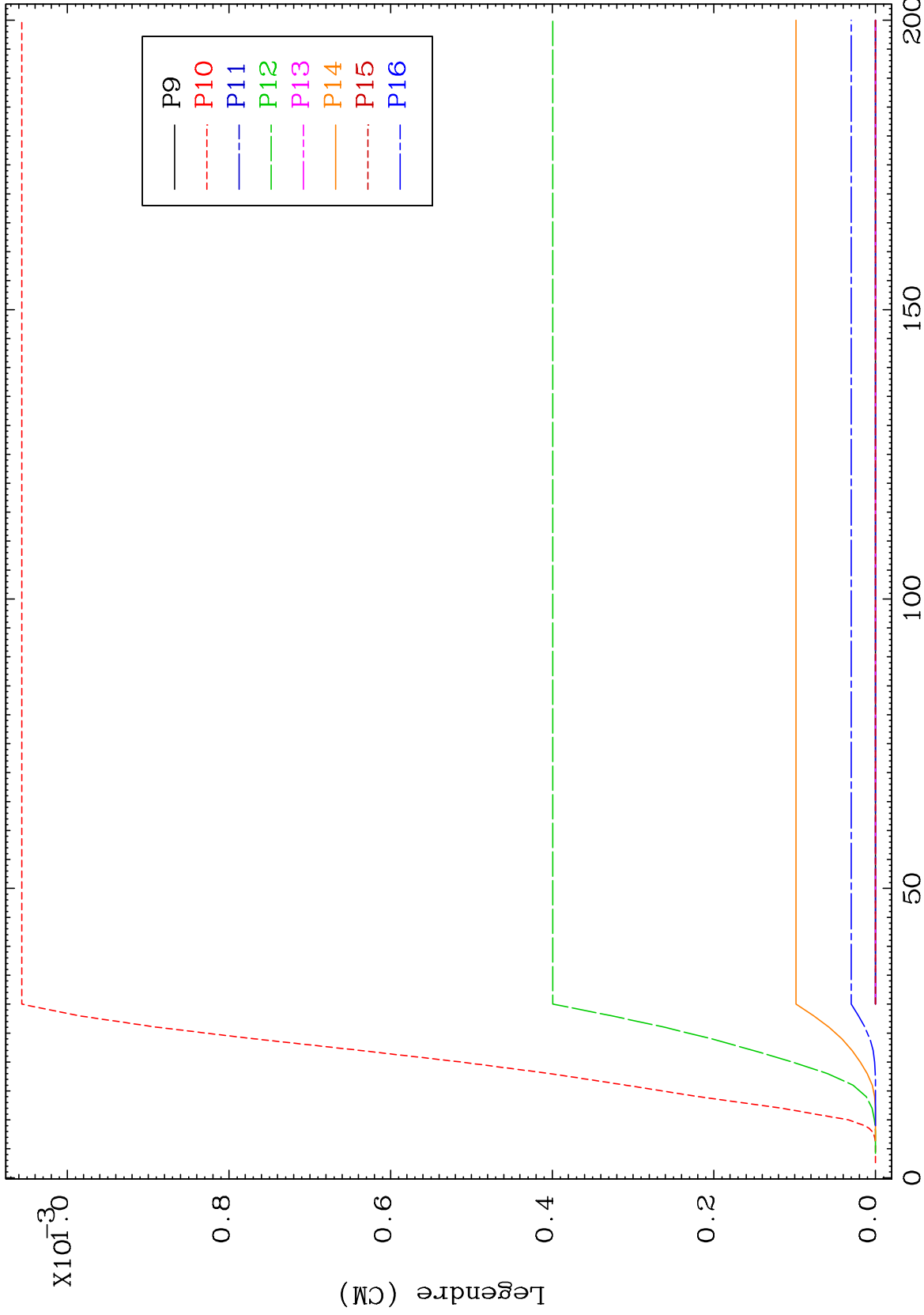
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

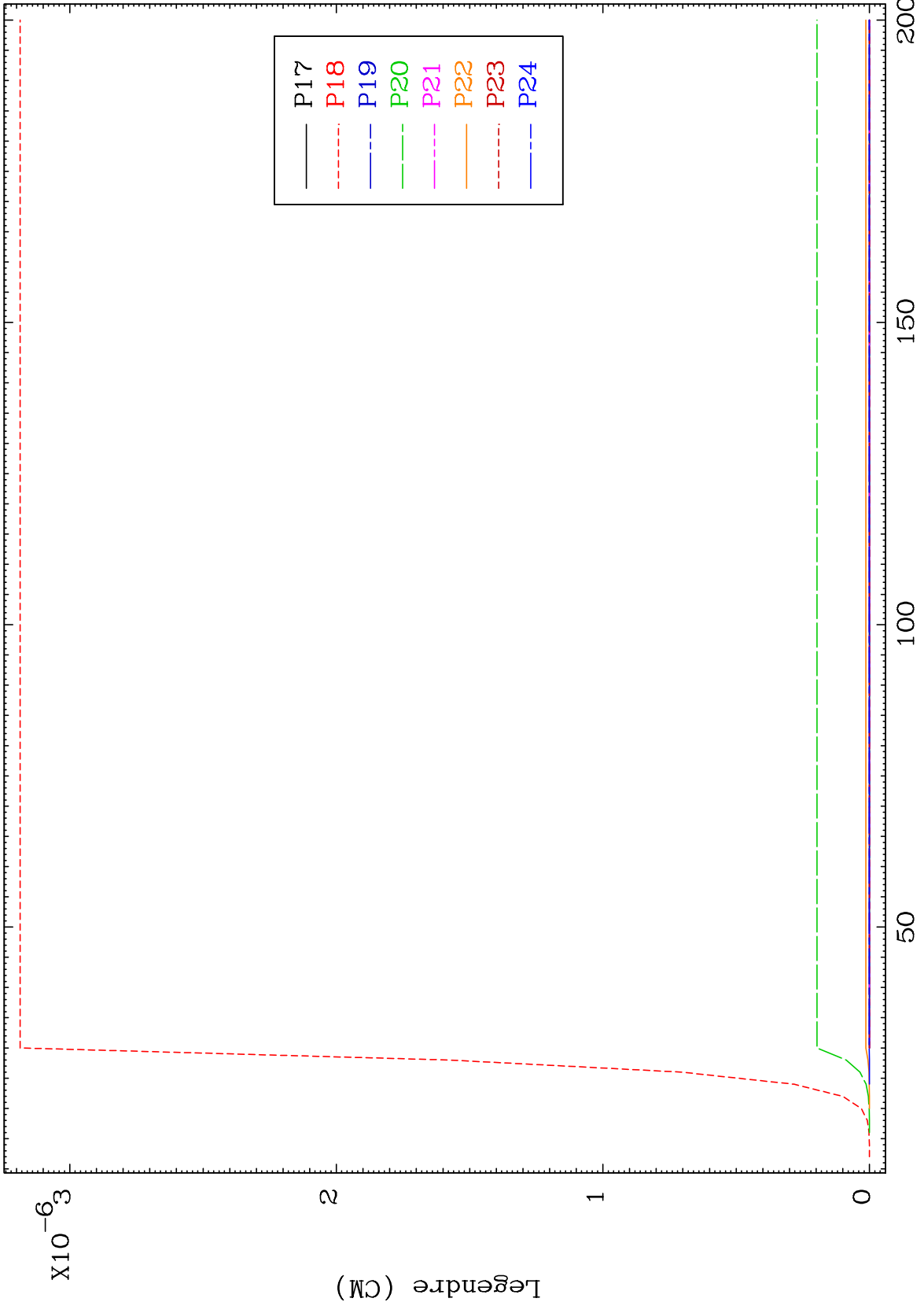
41-Nb-105



87

41-Nb-105

MAT 4161 MT= 68 (n,n') Level Legendre Coefficients 41-Nb-105

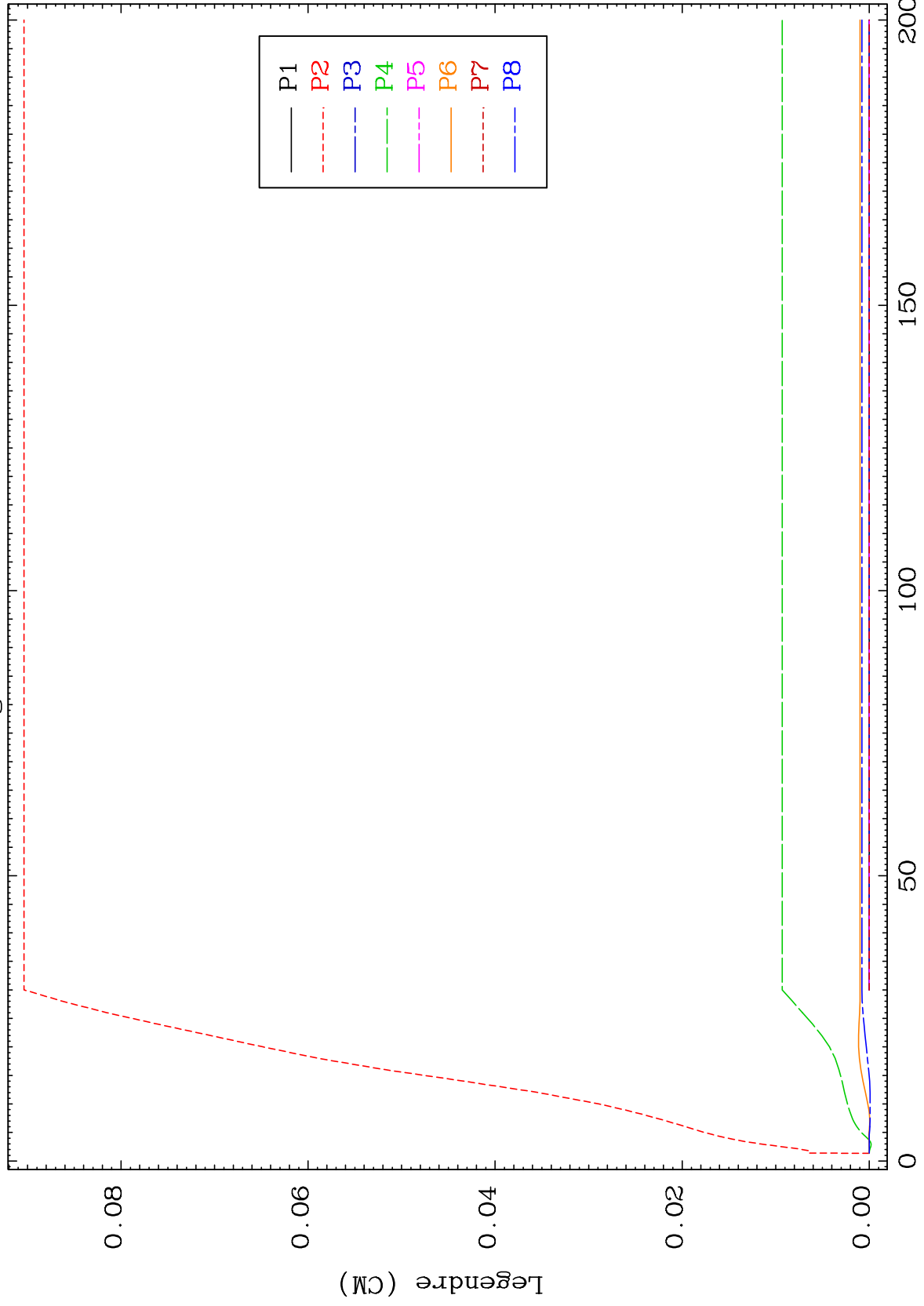


88 41-Nb-105

MAT 4161

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

41-Nb-105



89

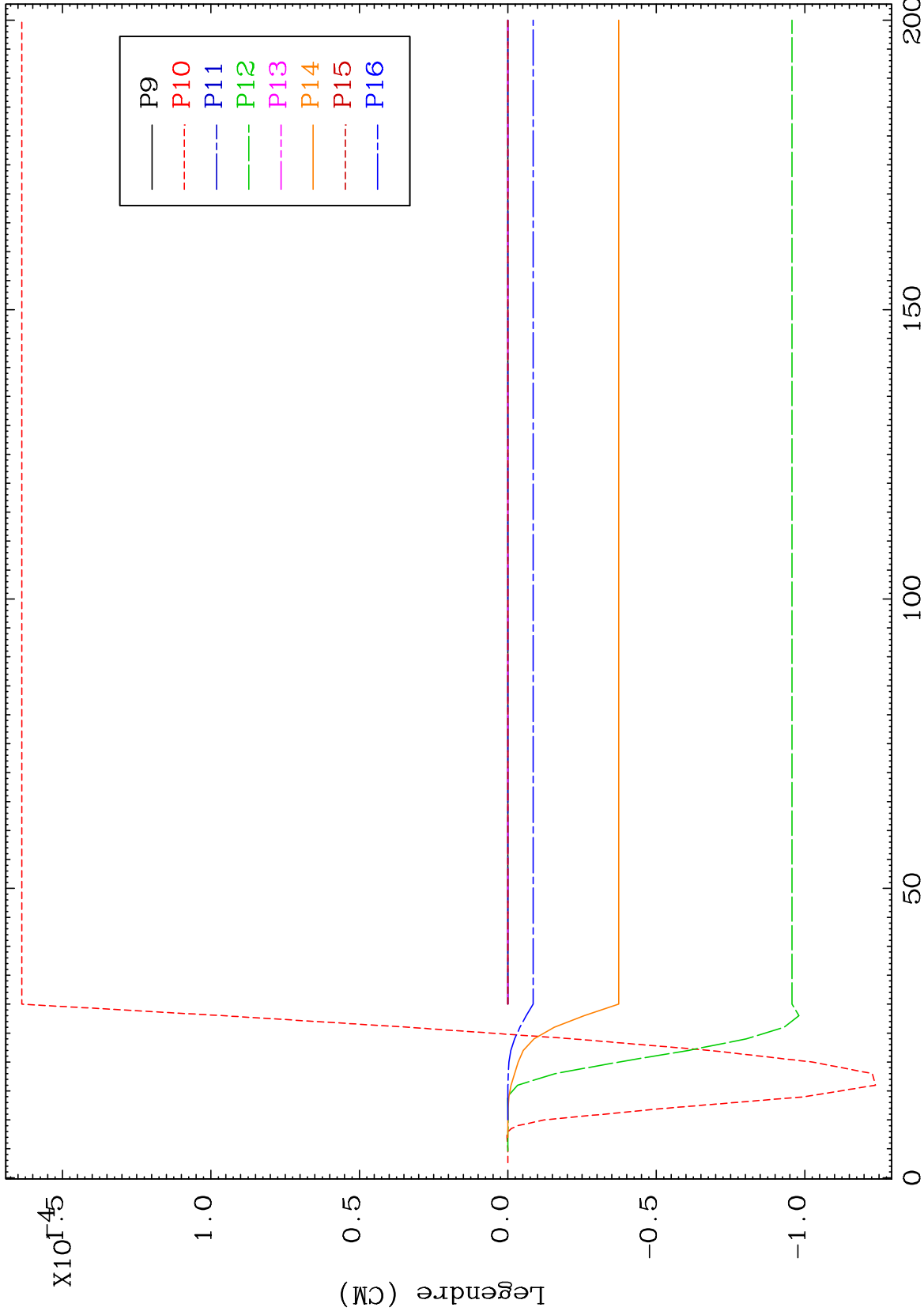
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



90

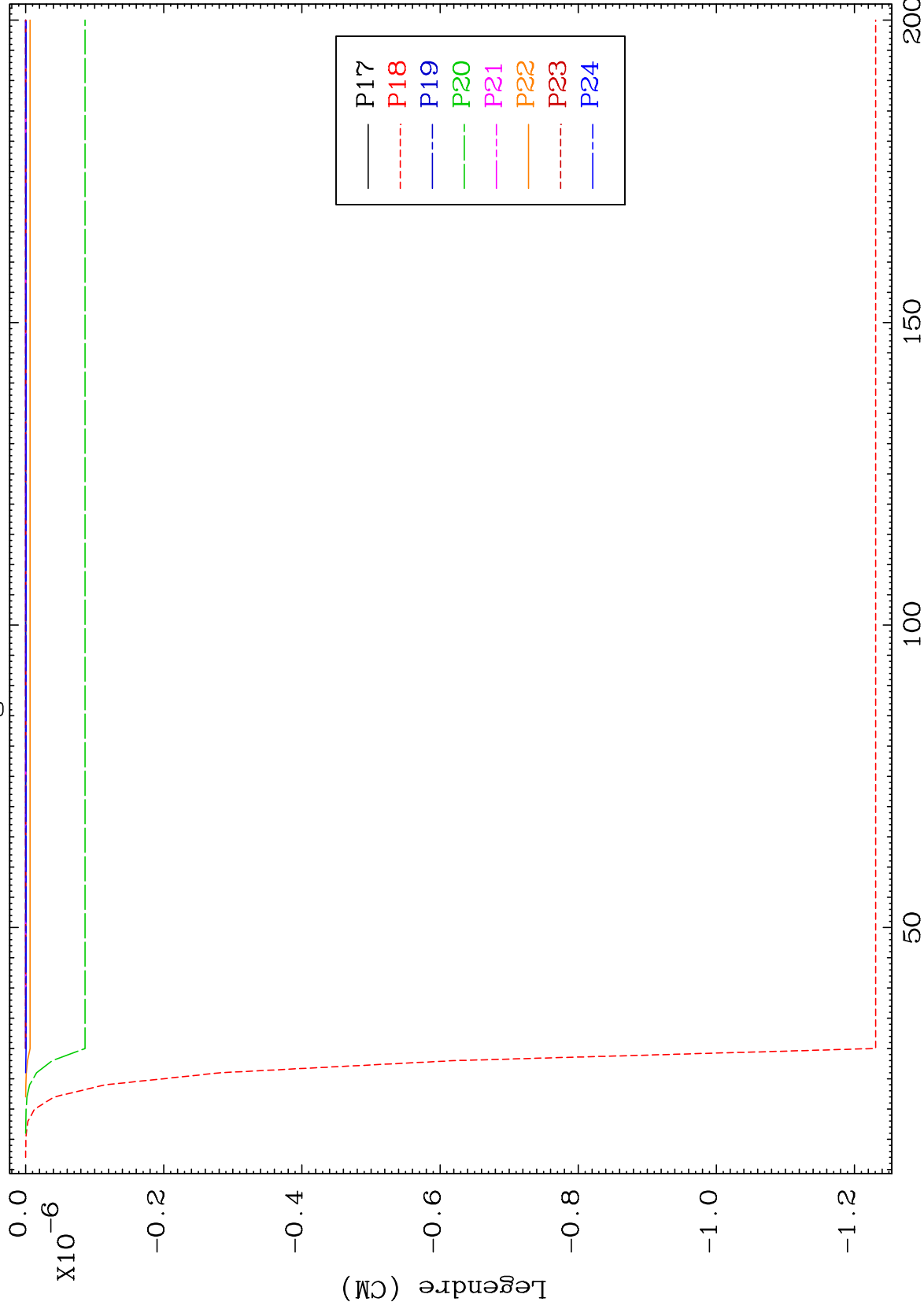
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



91

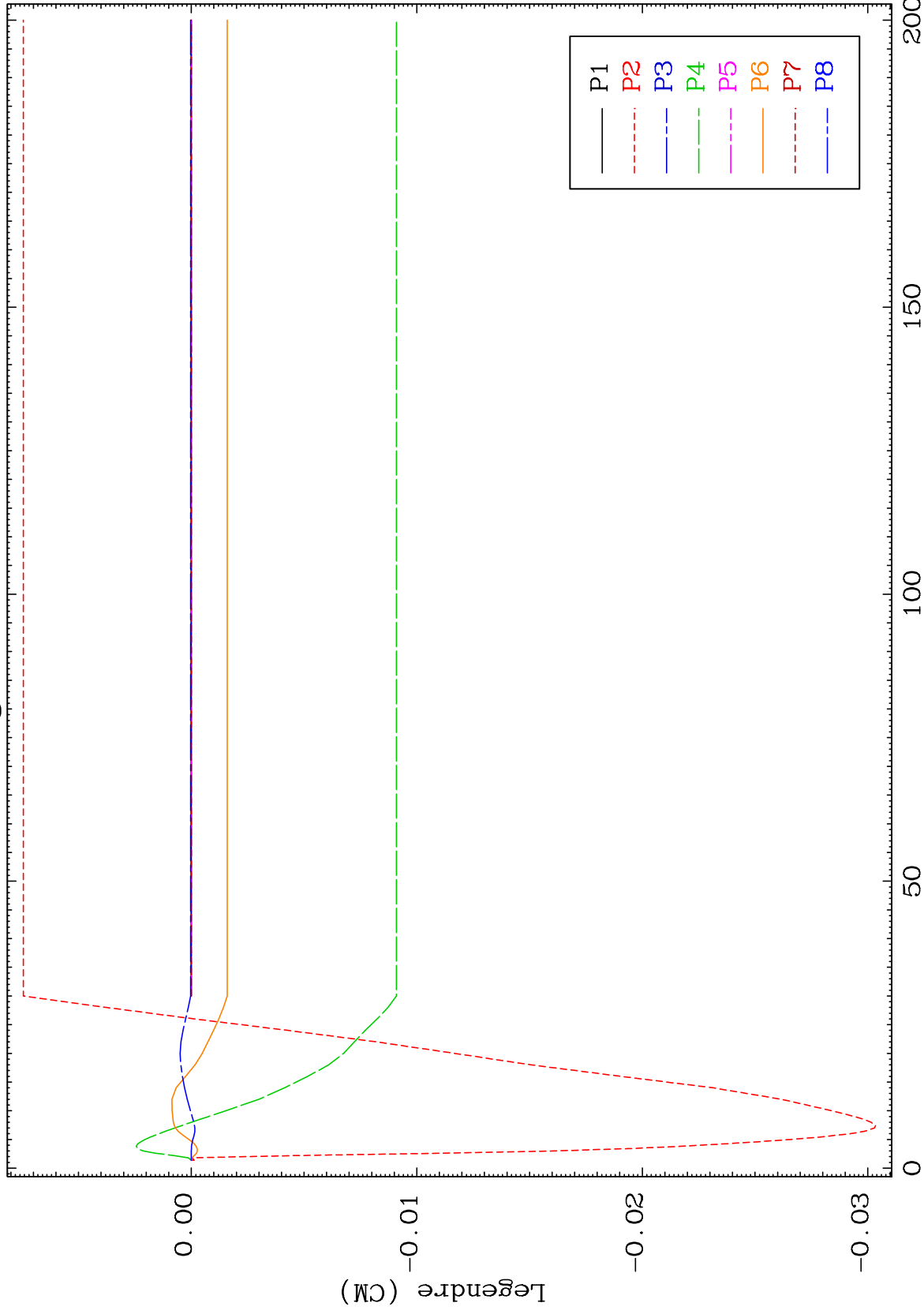
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



92

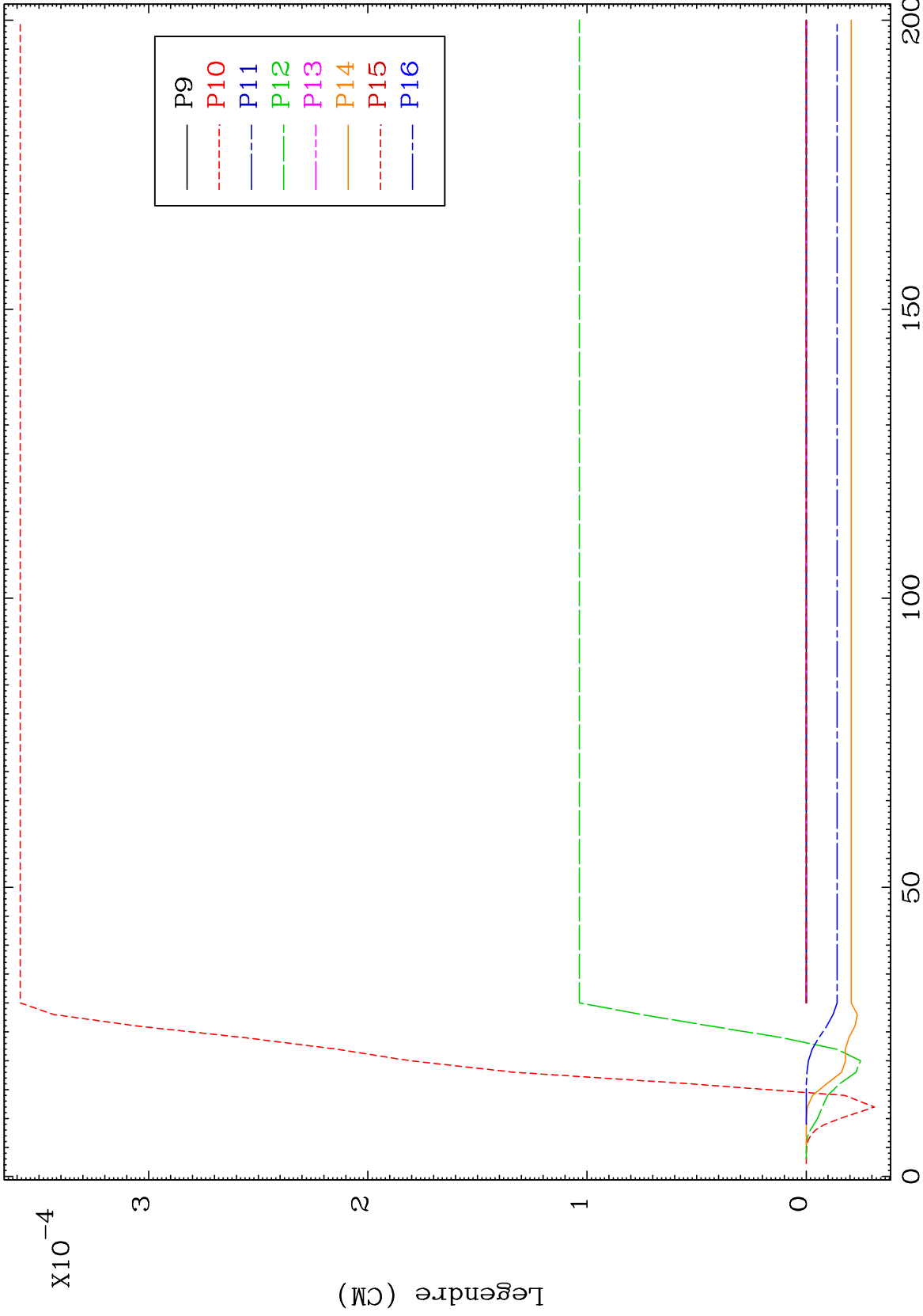
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105

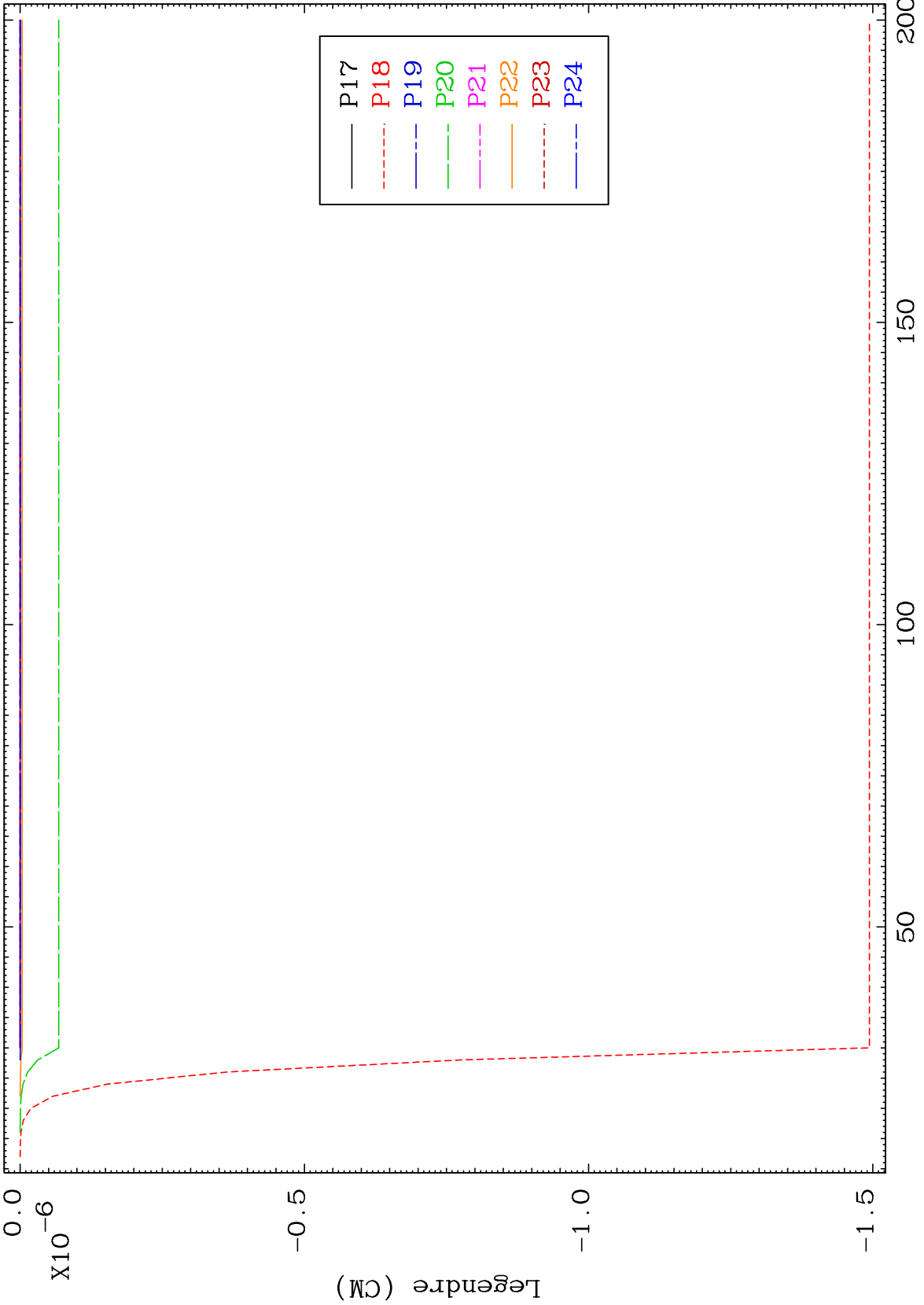


93

Incident Energy (MeV)

41-Nb-105

MAT 4161 MT= 70 (n,n') Level Legendre Coefficients 41-Nb-105

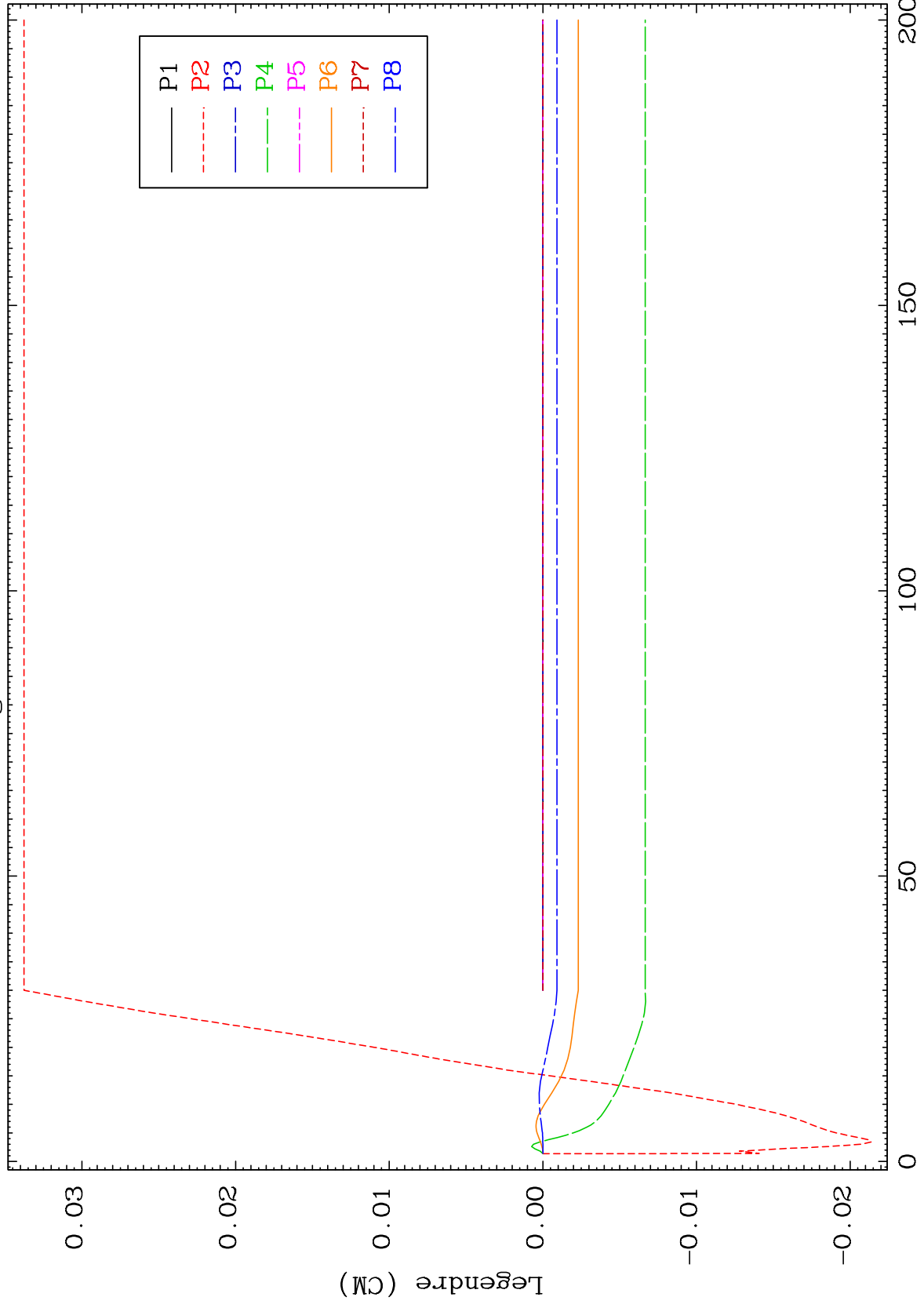


94 41-Nb-105

MAT 4161

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

41-Nb-105



95

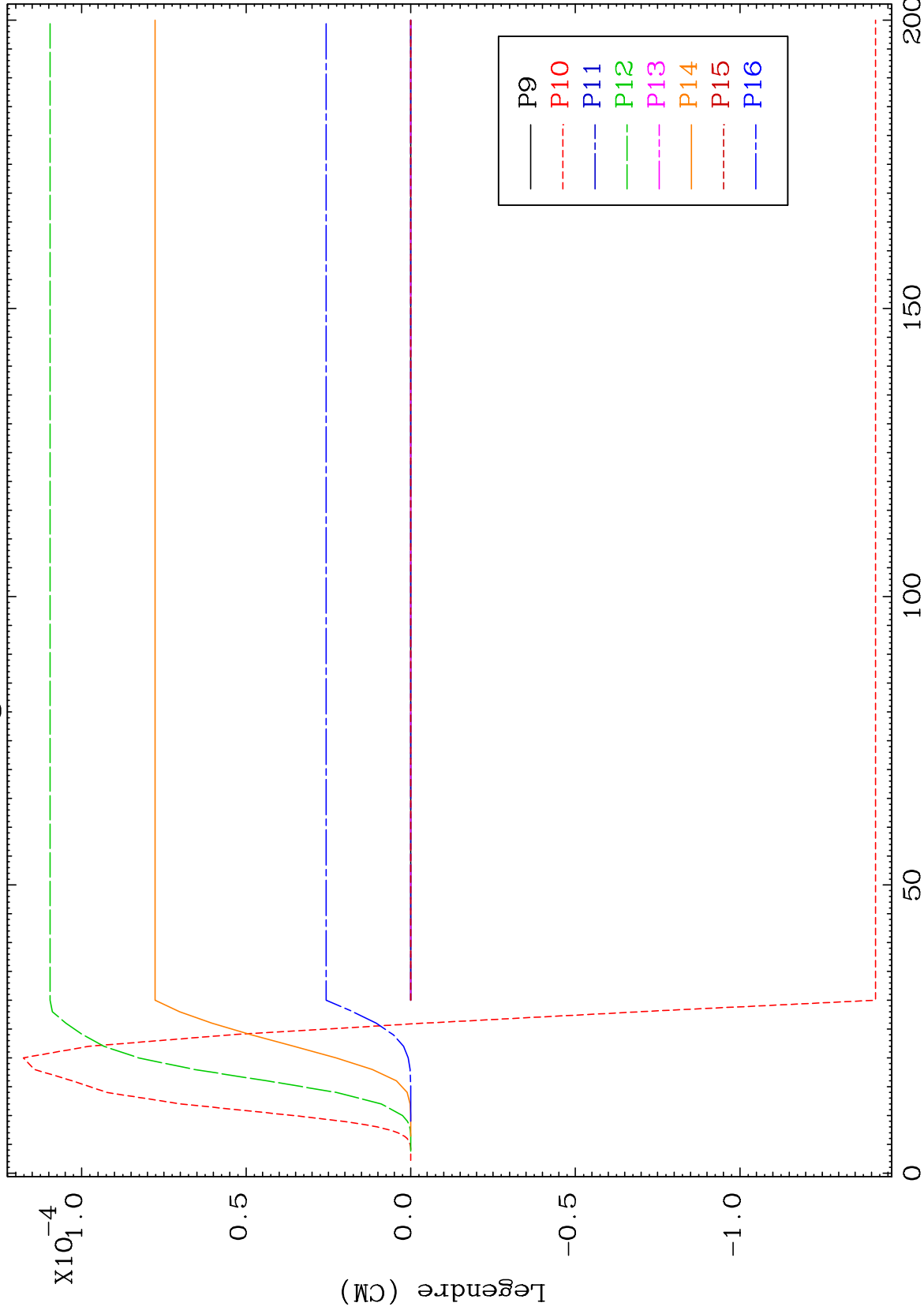
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105

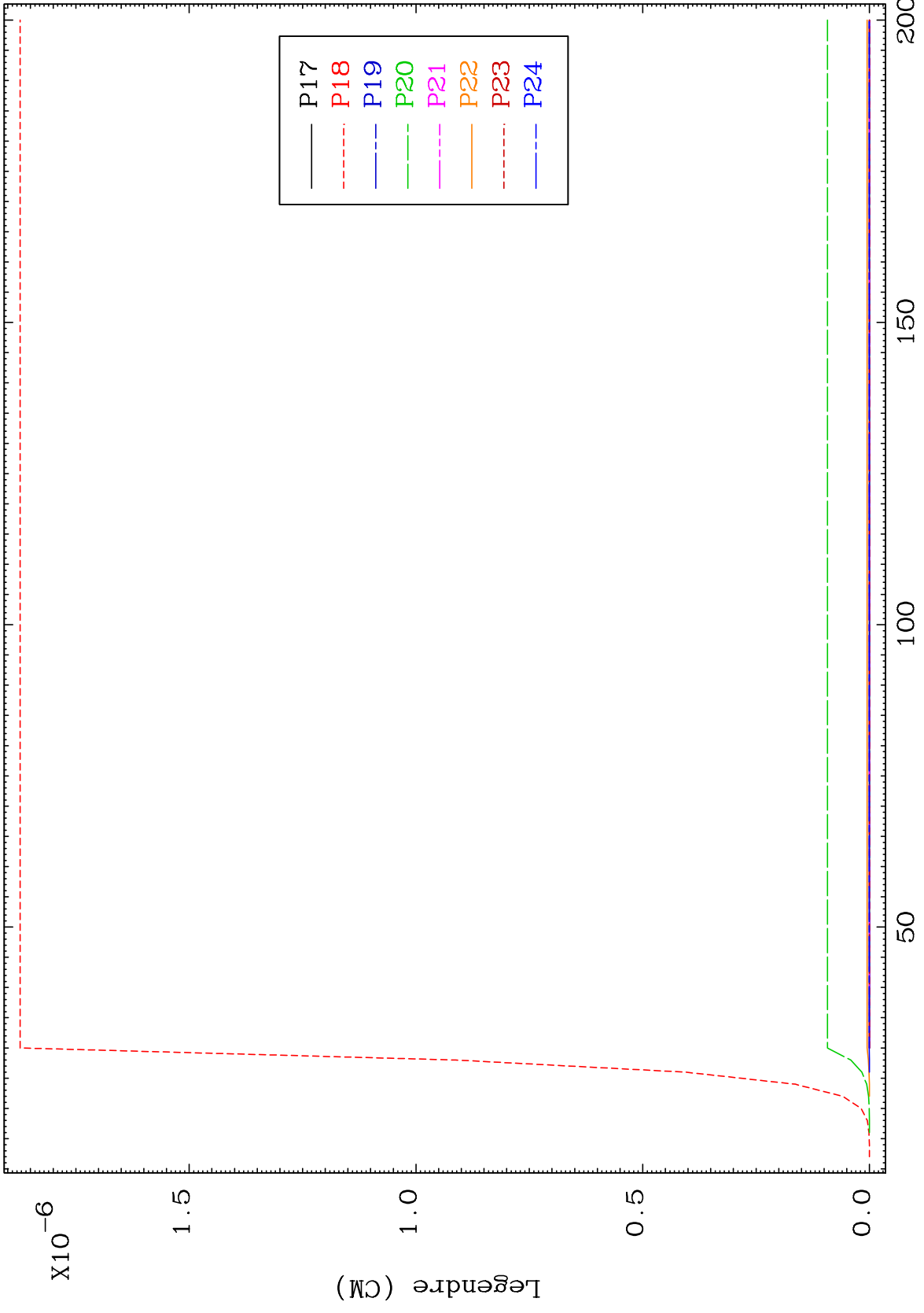


96

Incident Energy (MeV)

41-Nb-105

MAT 4161 MT= 71 (n,n') Level Legendre Coefficients 41-Nb-105

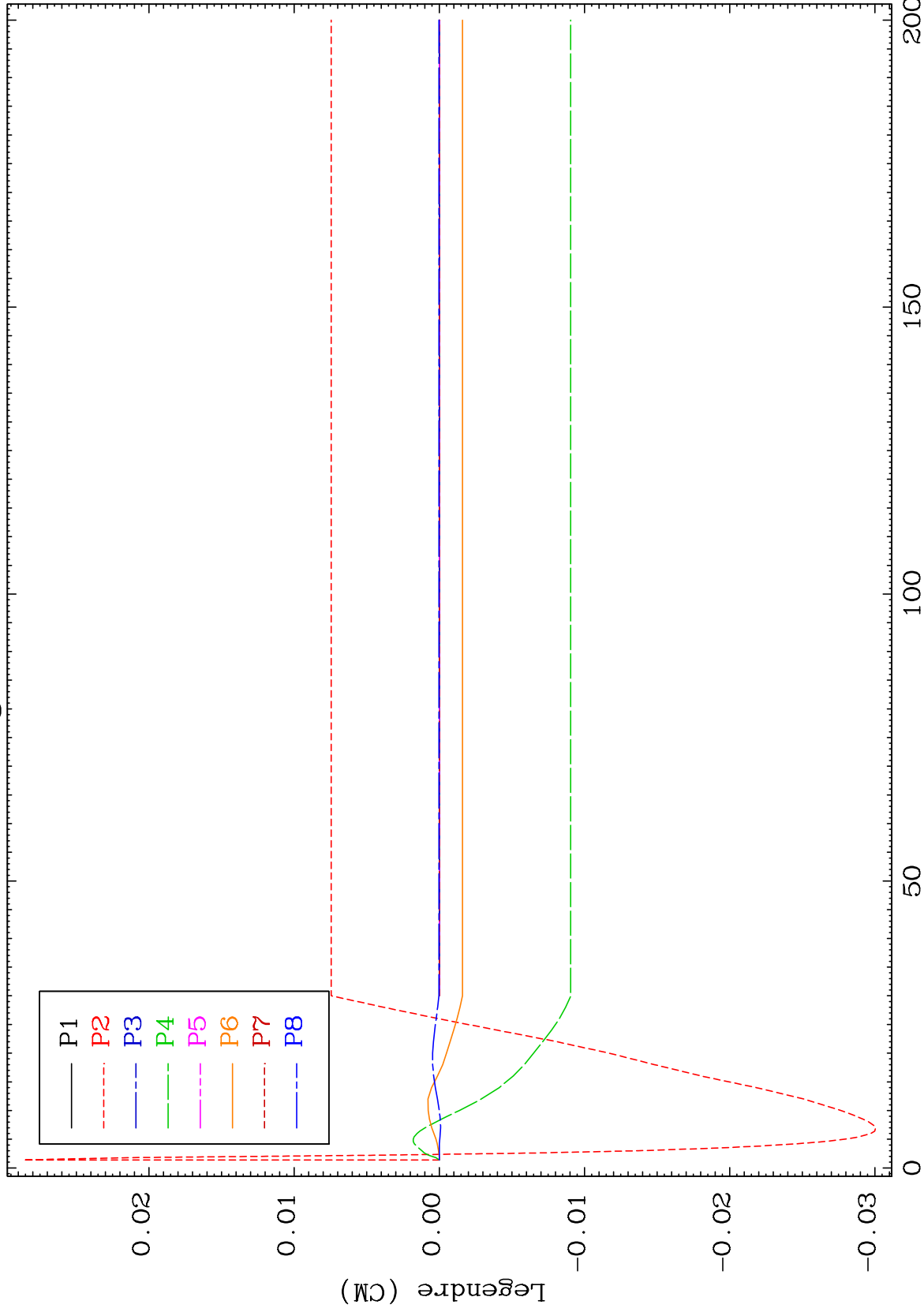


97 41-Nb-105

MAT 4161

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

41-Nb-105



98

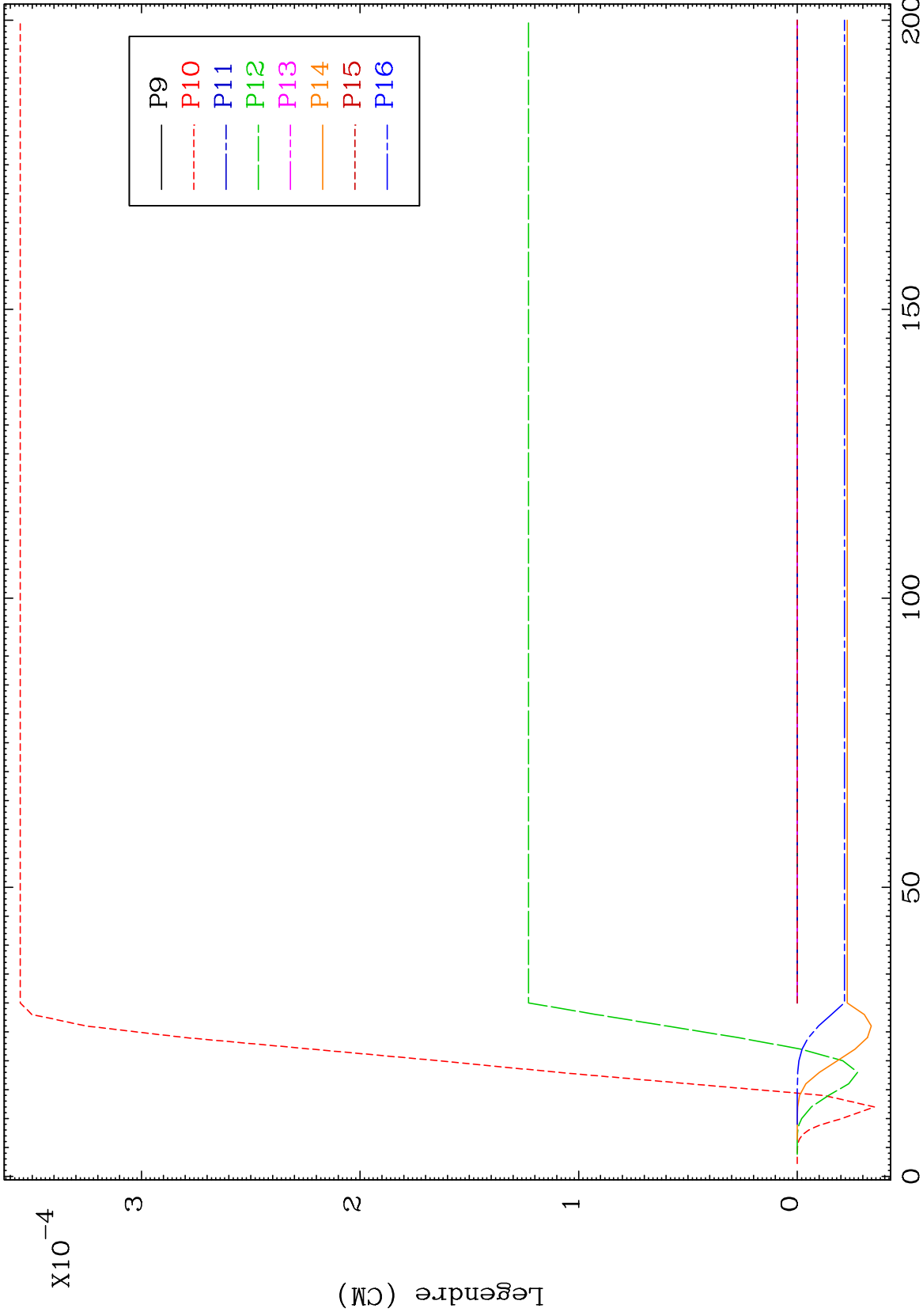
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



99

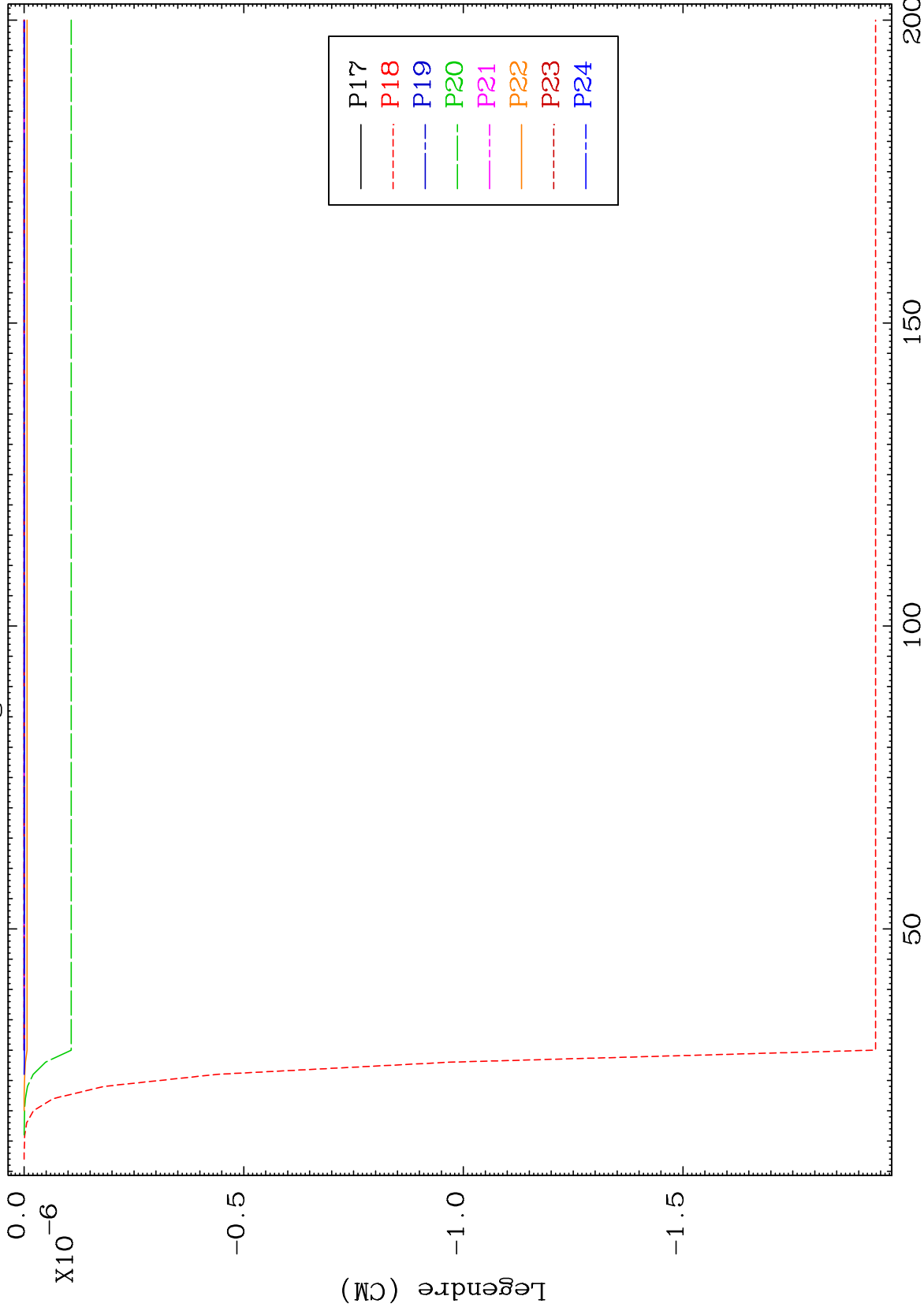
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



41-Nb-105

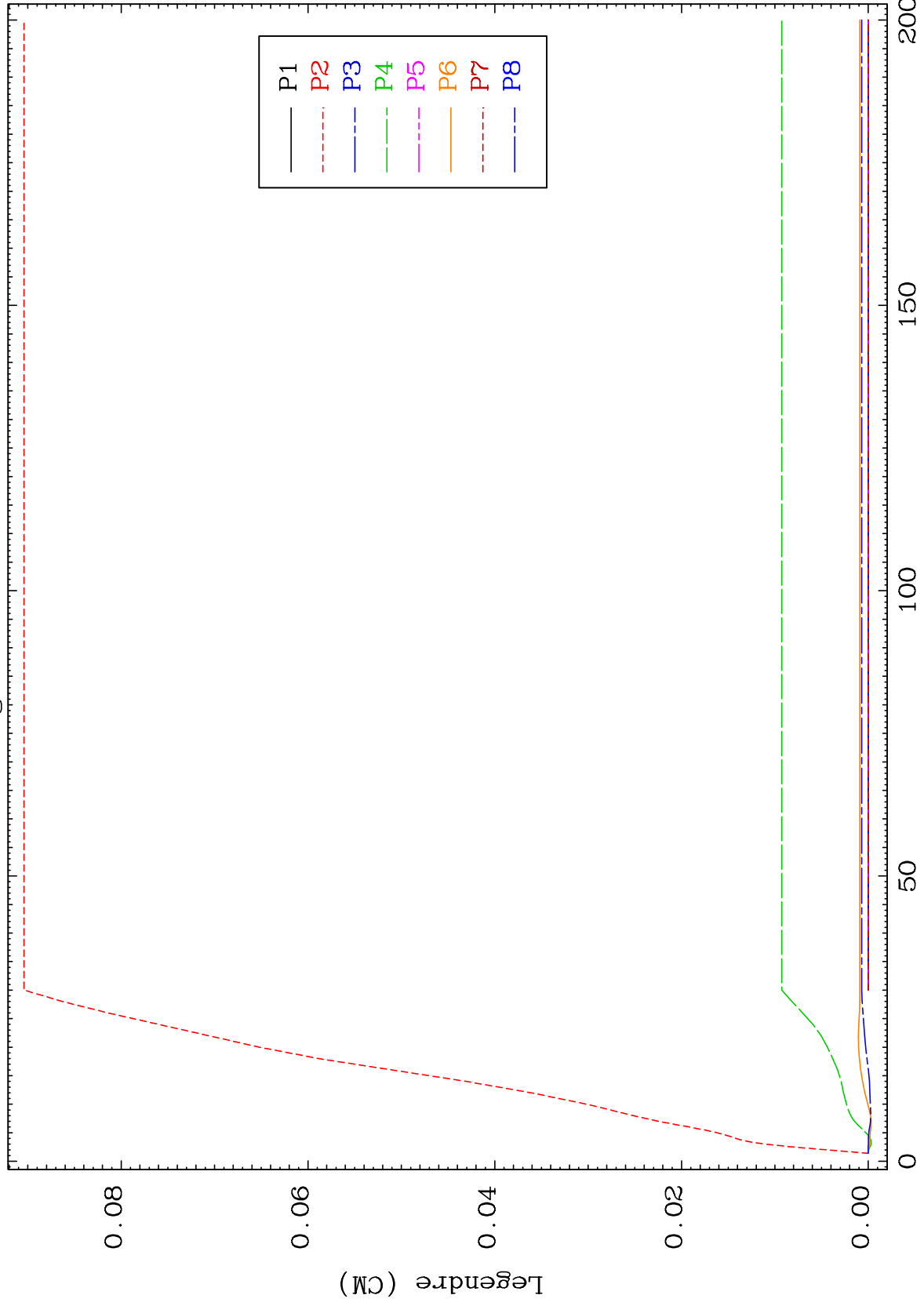
Incident Energy (MeV)

100

MAT 4161

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

41-Nb-105



41-Nb-105

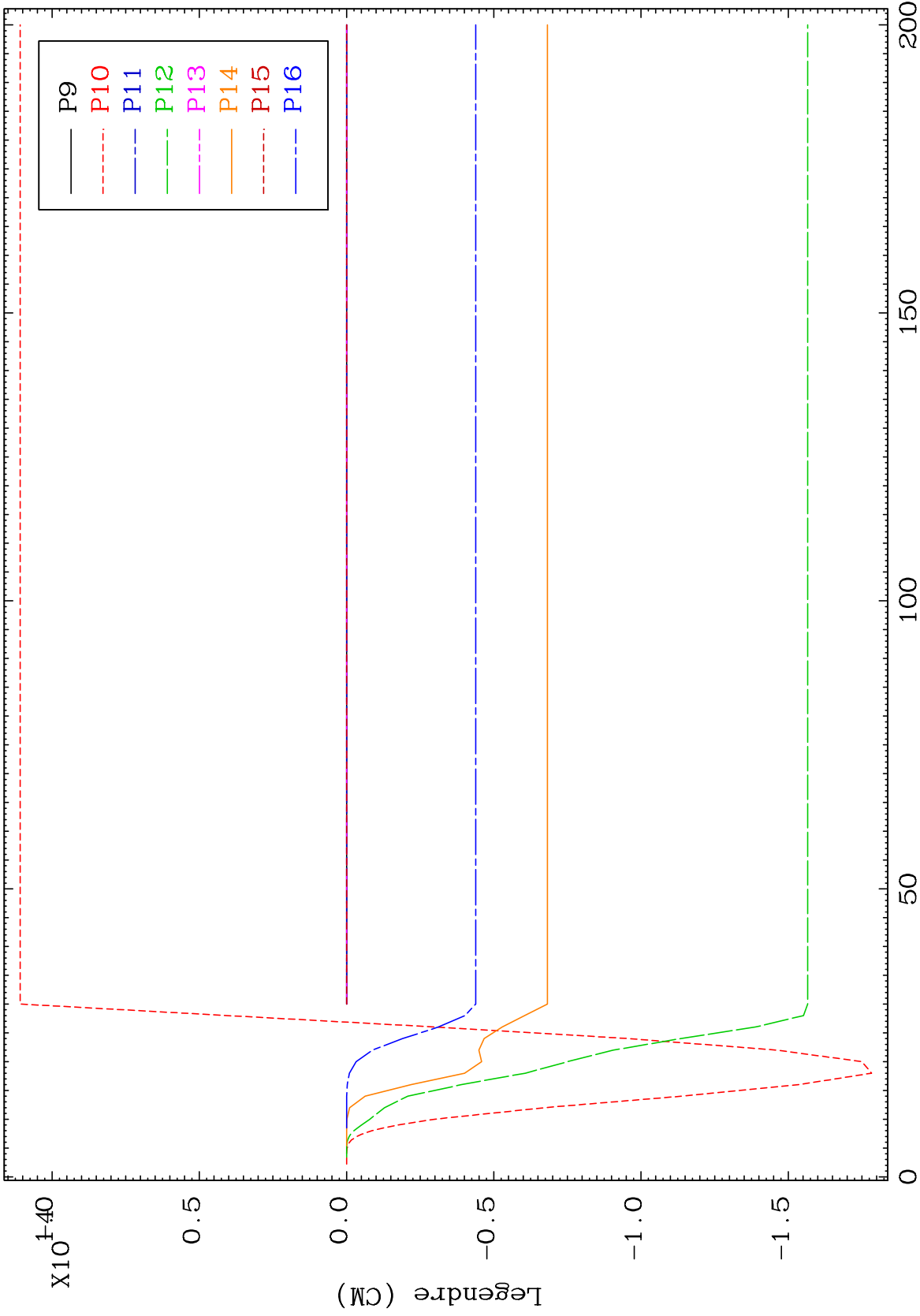
Incident Energy (MeV)

101

MAT 4161

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

41-Nb-105



102

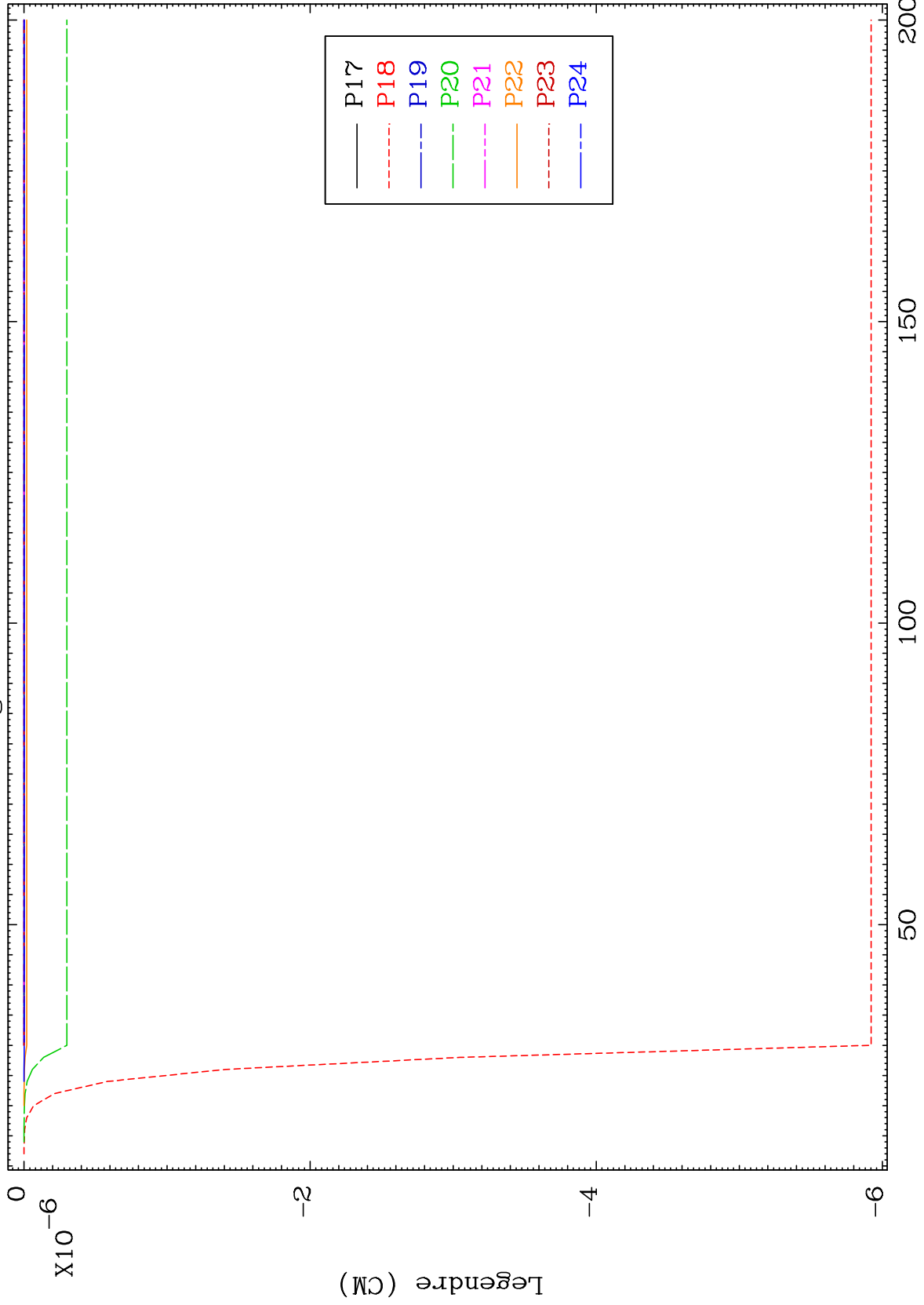
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



41-Nb-105

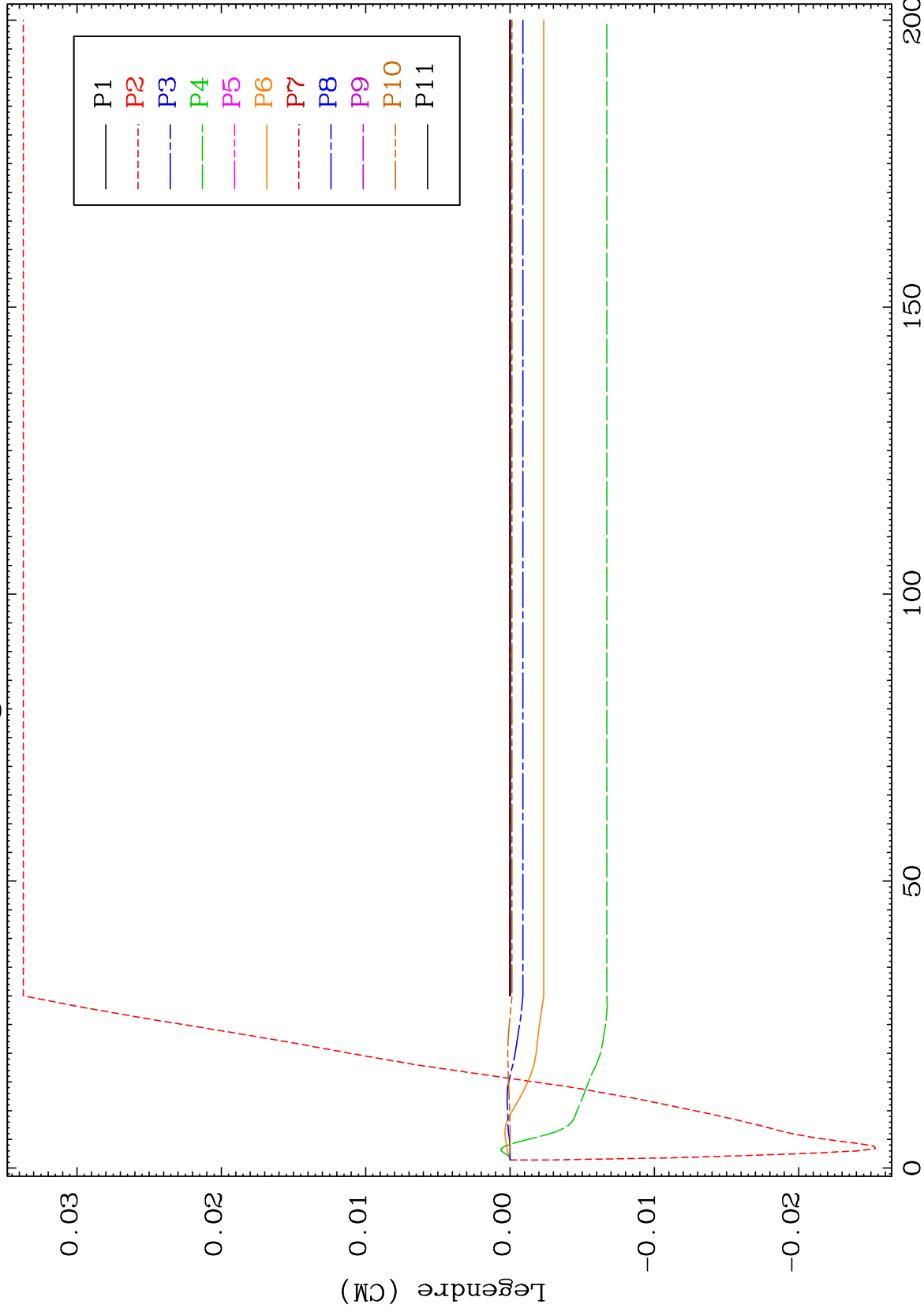
Incident Energy (MeV)

103

MAT 4161

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

41-Nb-105



104

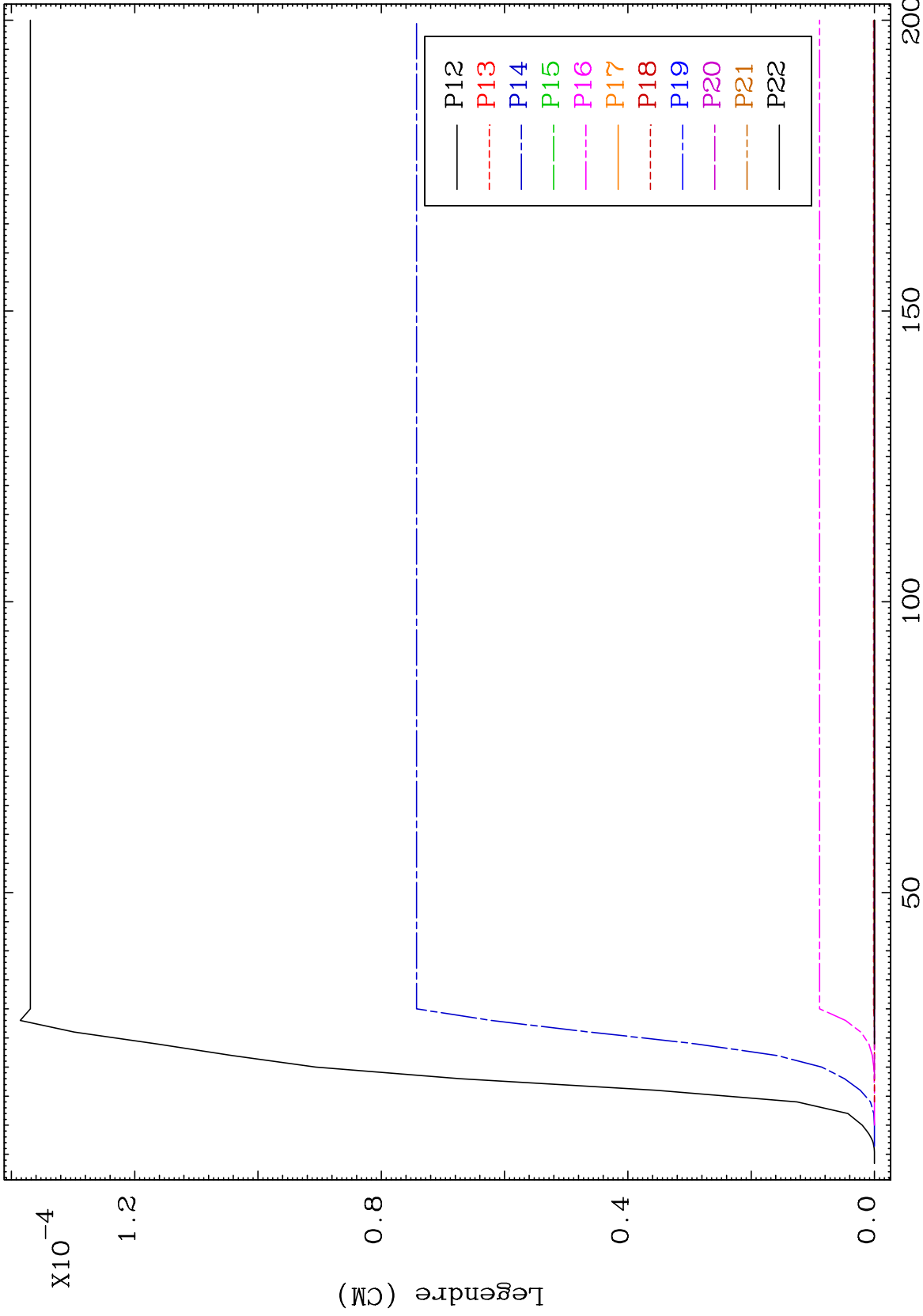
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



105

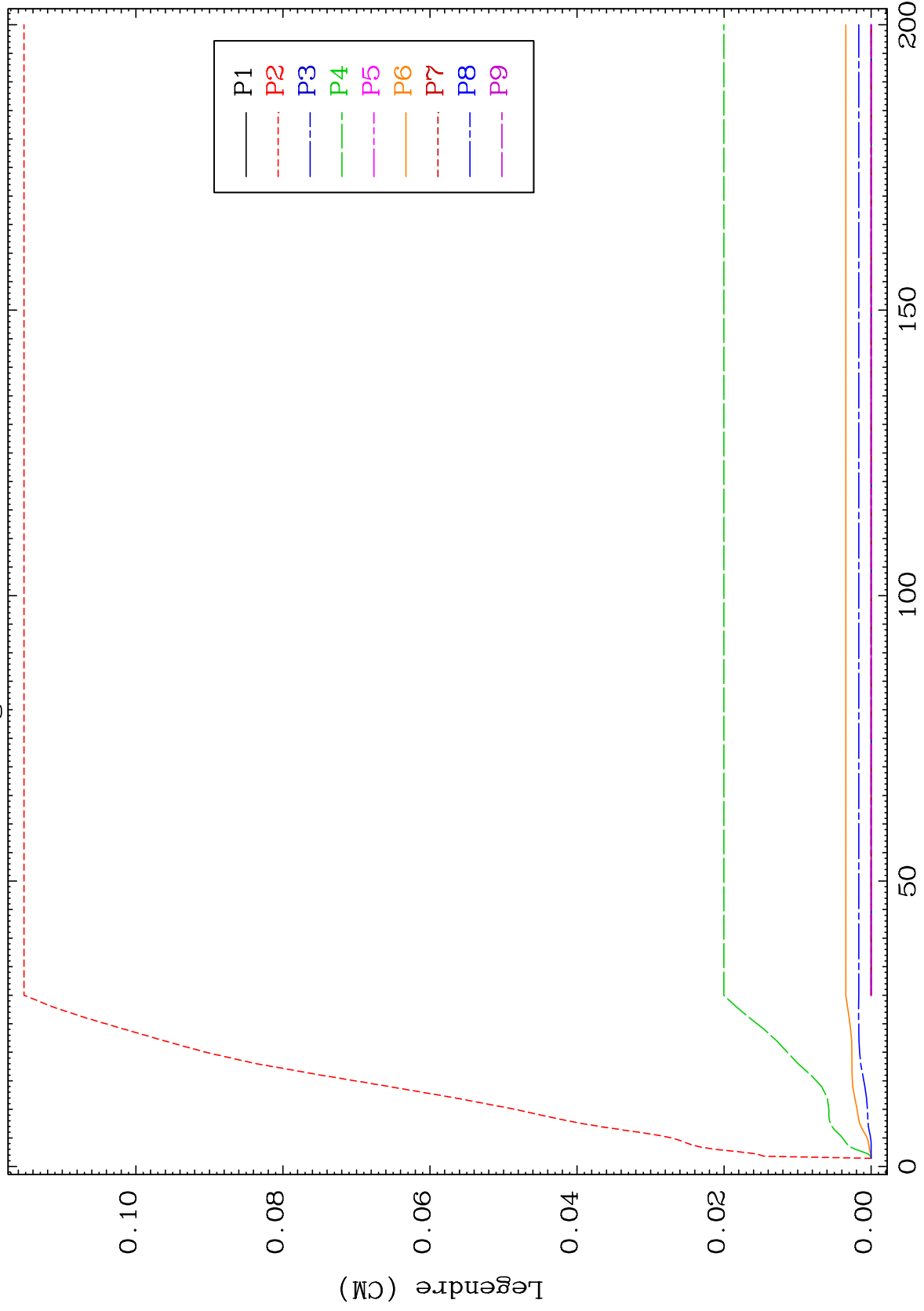
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



106

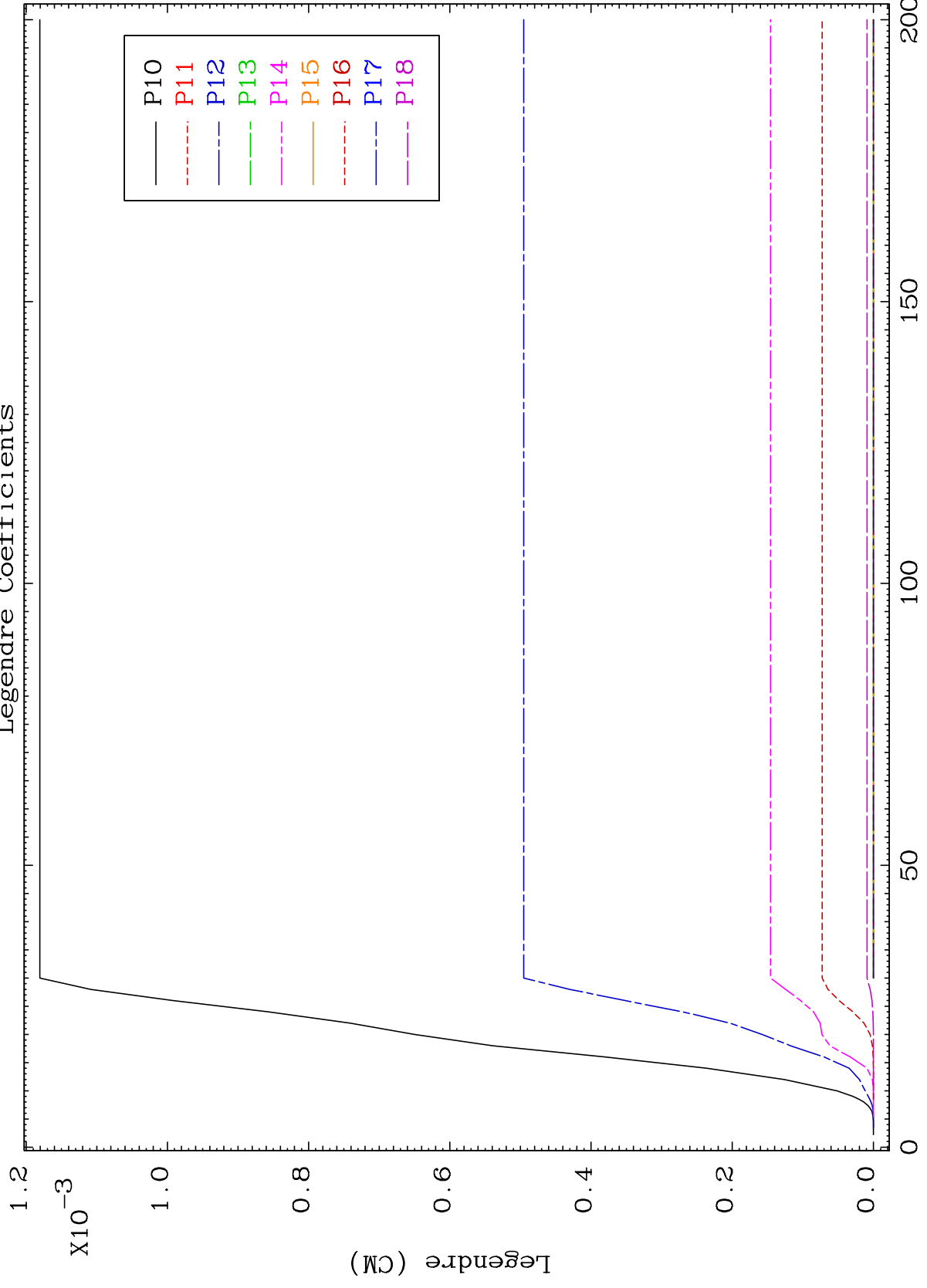
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105

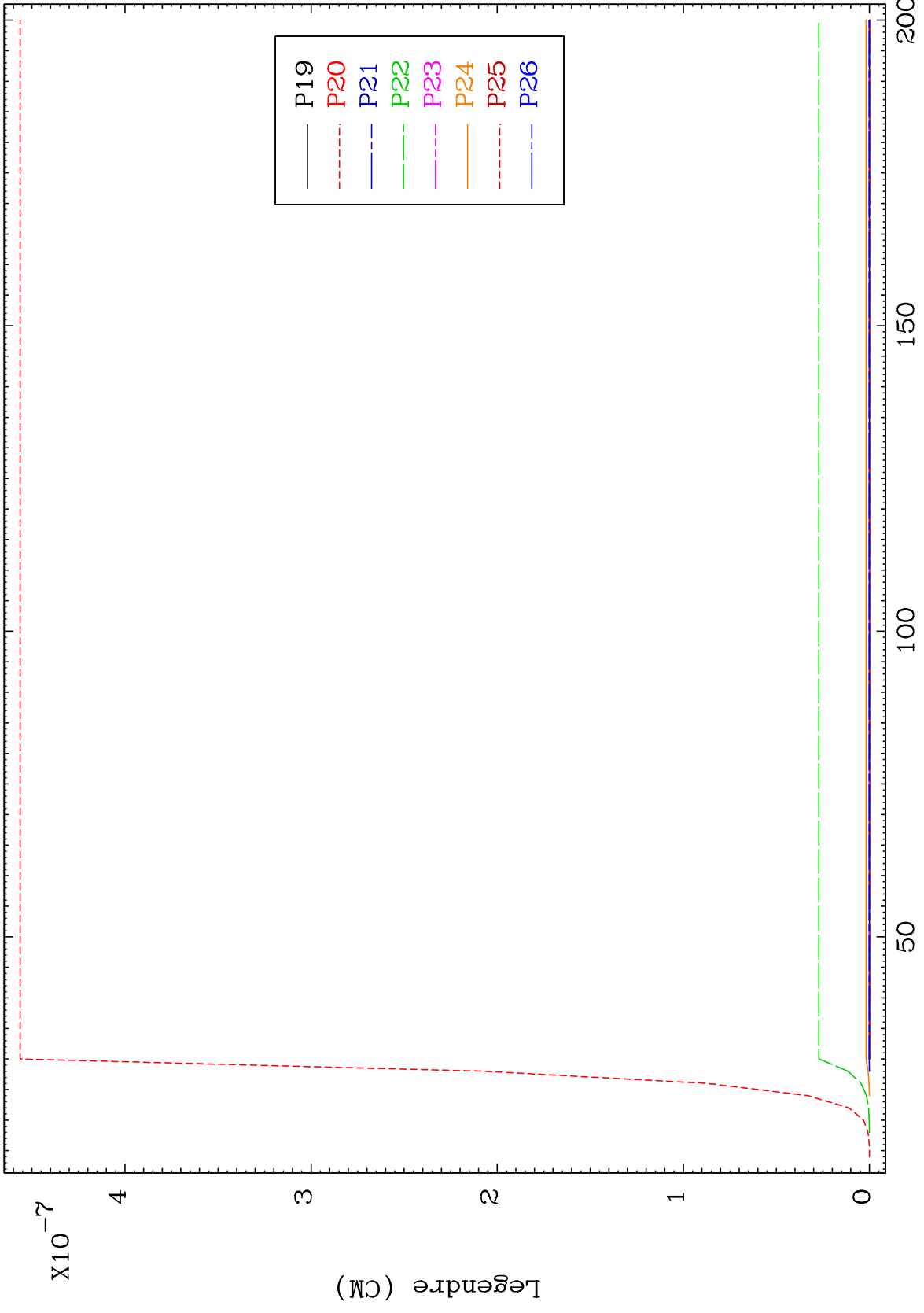


107

Incident Energy (MeV)

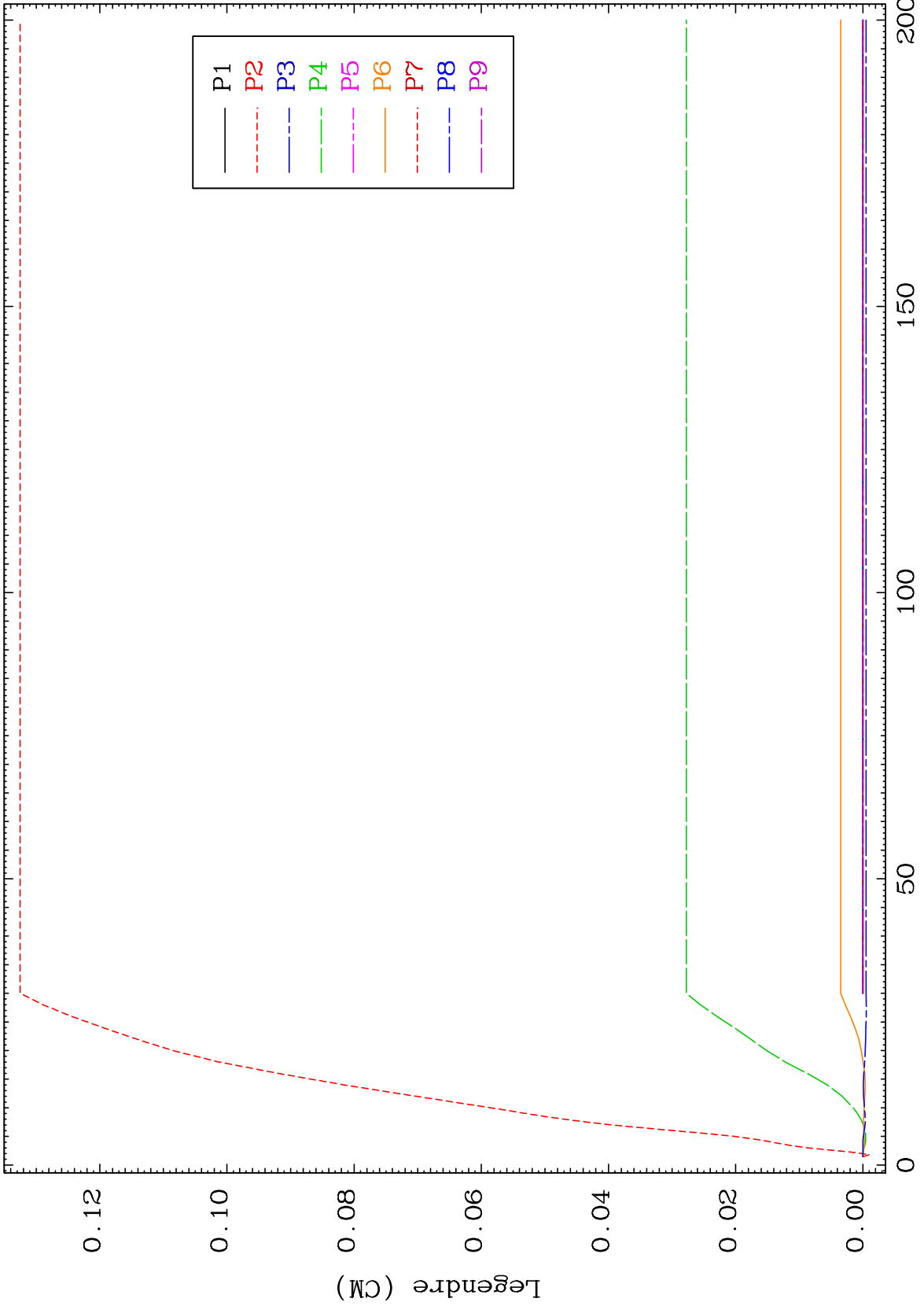
41-Nb-105

MAT 4161 MT= 75 (n,n') Level Legendre Coefficients 41-Nb-105



108 50 100 150 200 Incident Energy (MeV) 41-Nb-105

MAT 4161 MT= 76 (n,n') Level Legendre Coefficients 41-Nb-105

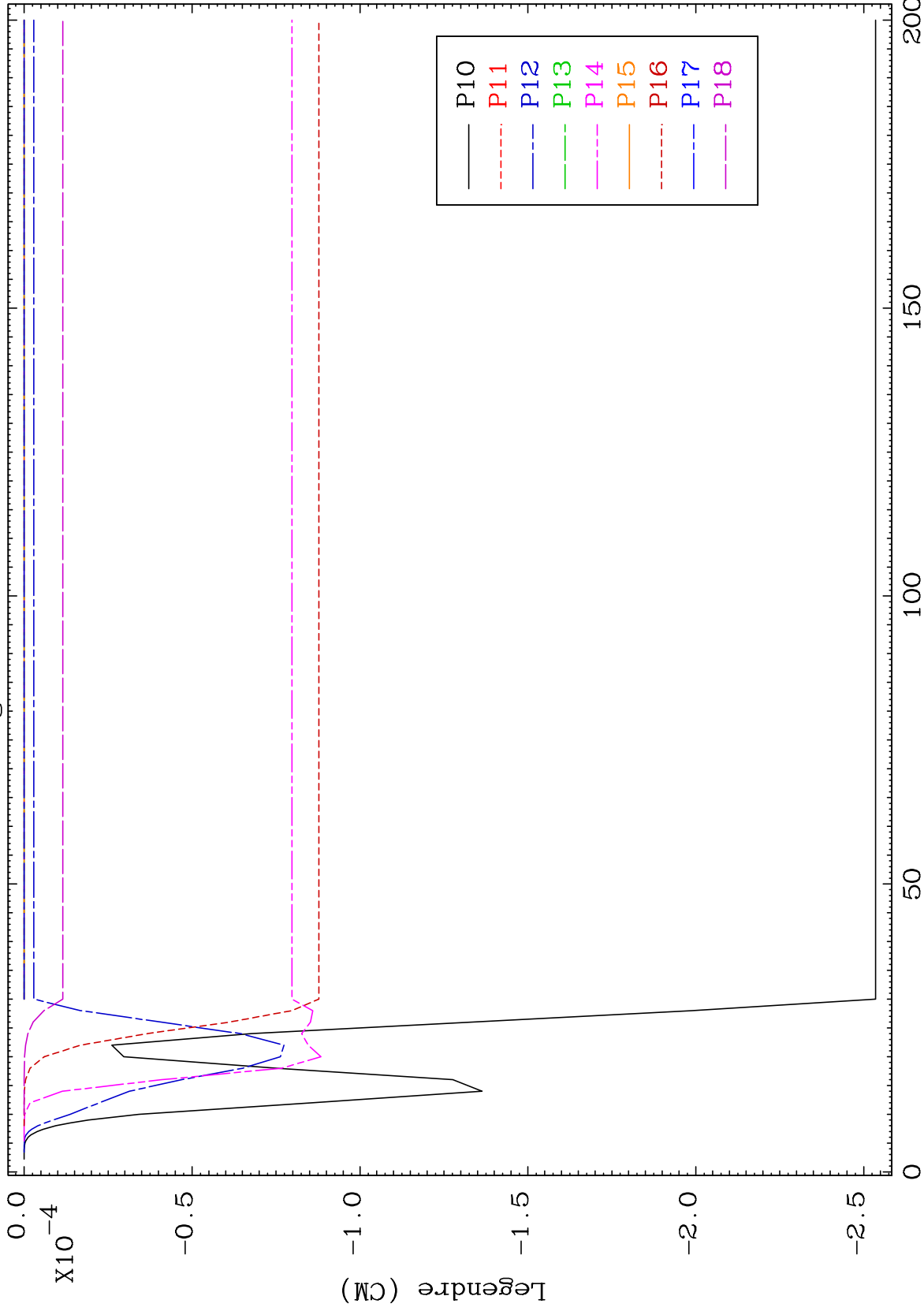


Legendre (CM) Incident Energy (MeV) 41-Nb-105

MAT 4161

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

41-Nb-105

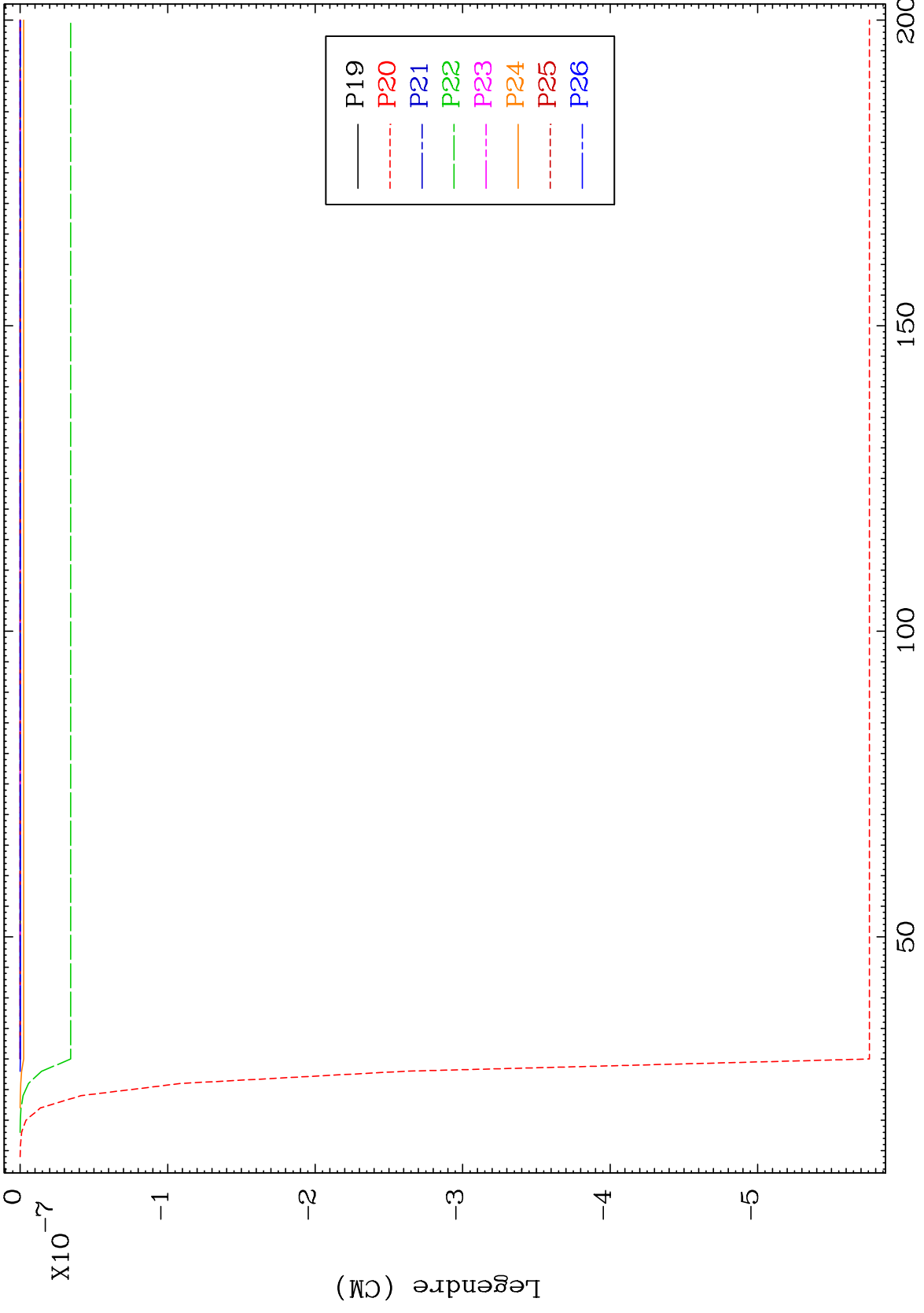


110

Incident Energy (MeV)

41-Nb-105

MAT 4161 MT= 76 (n,n') Level Legendre Coefficients 41-Nb-105

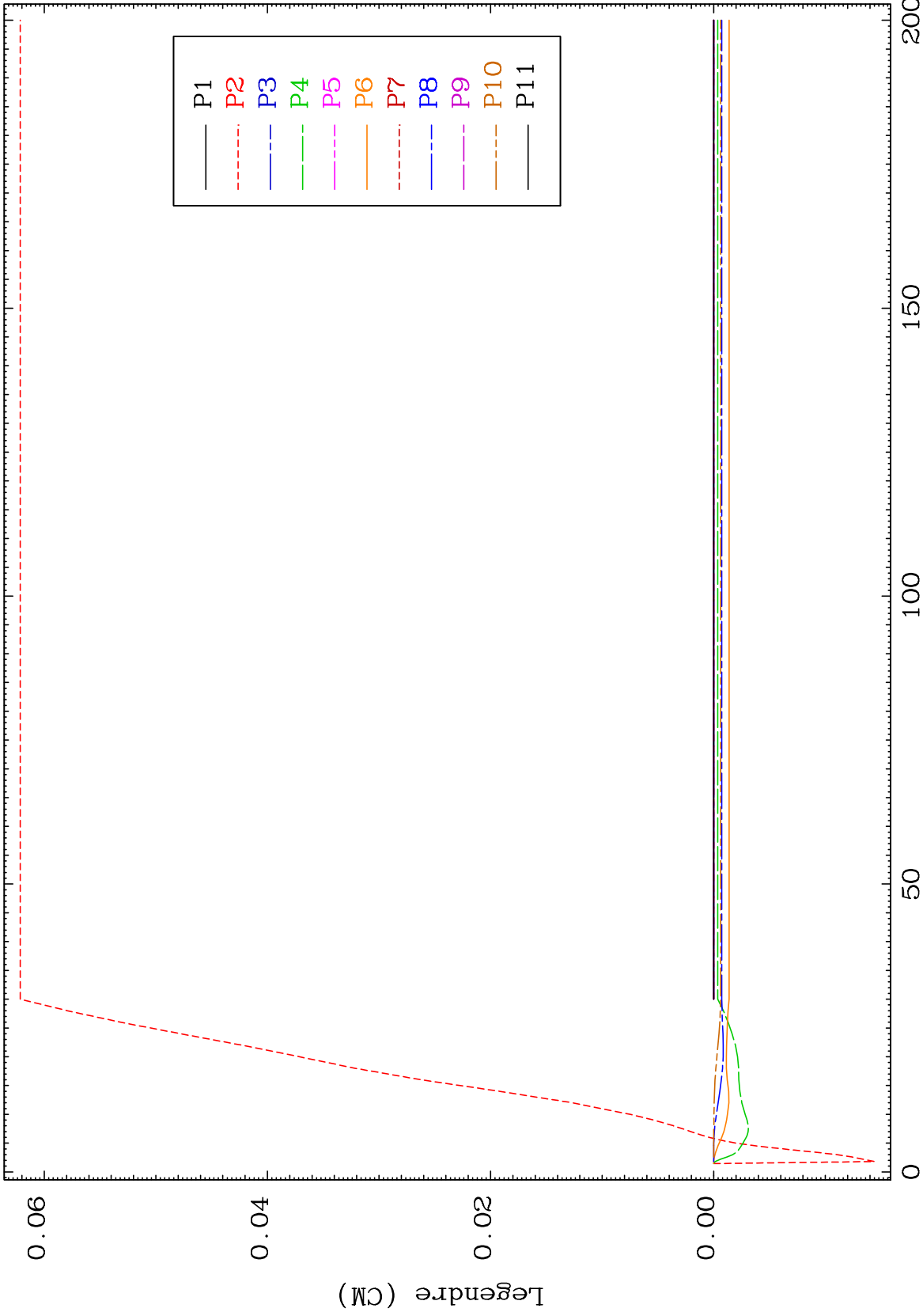


111 41-Nb-105

MAT 4161

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

41-Nb-105



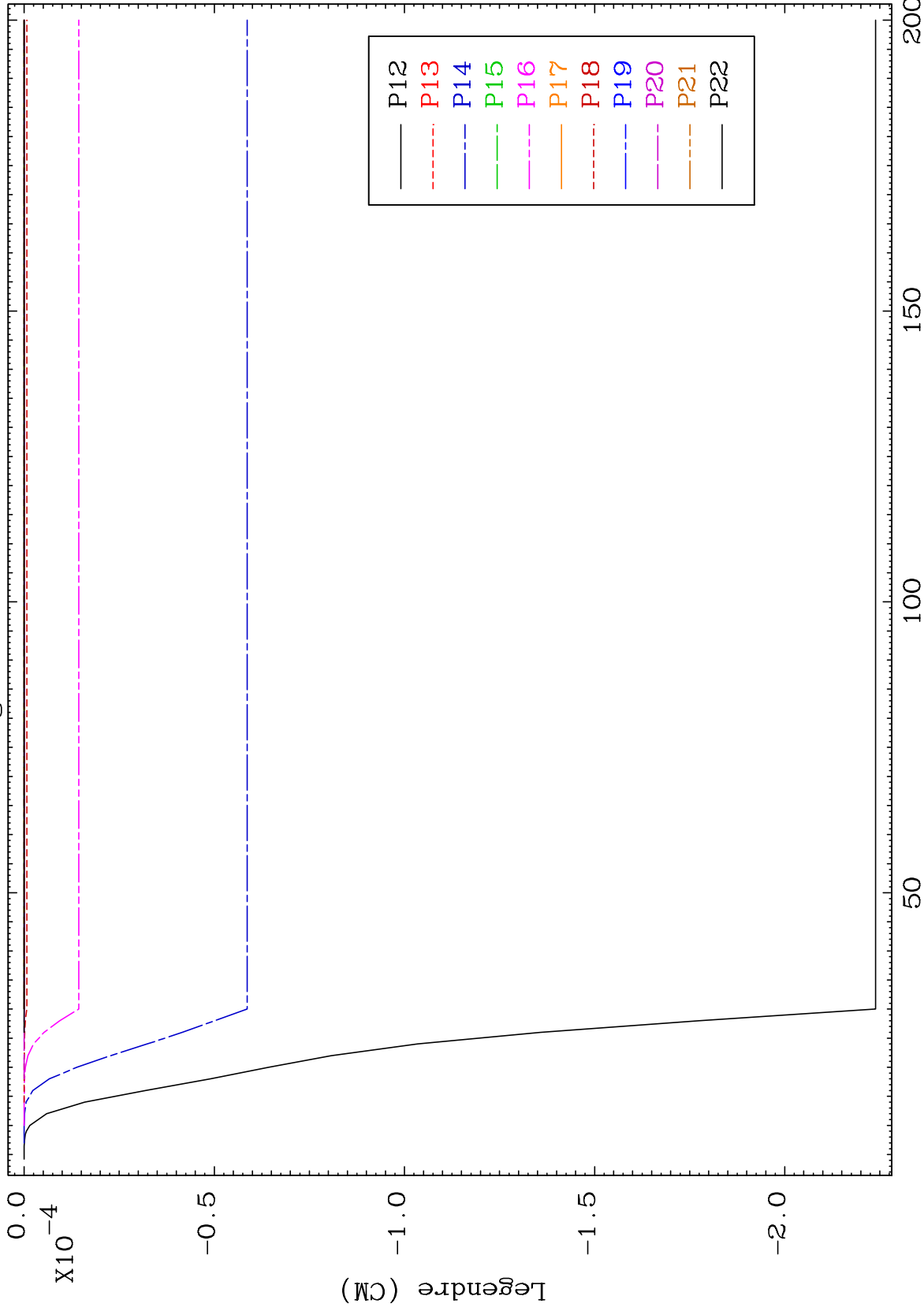
112

41-Nb-105

MAT 4161

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

41-Nb-105



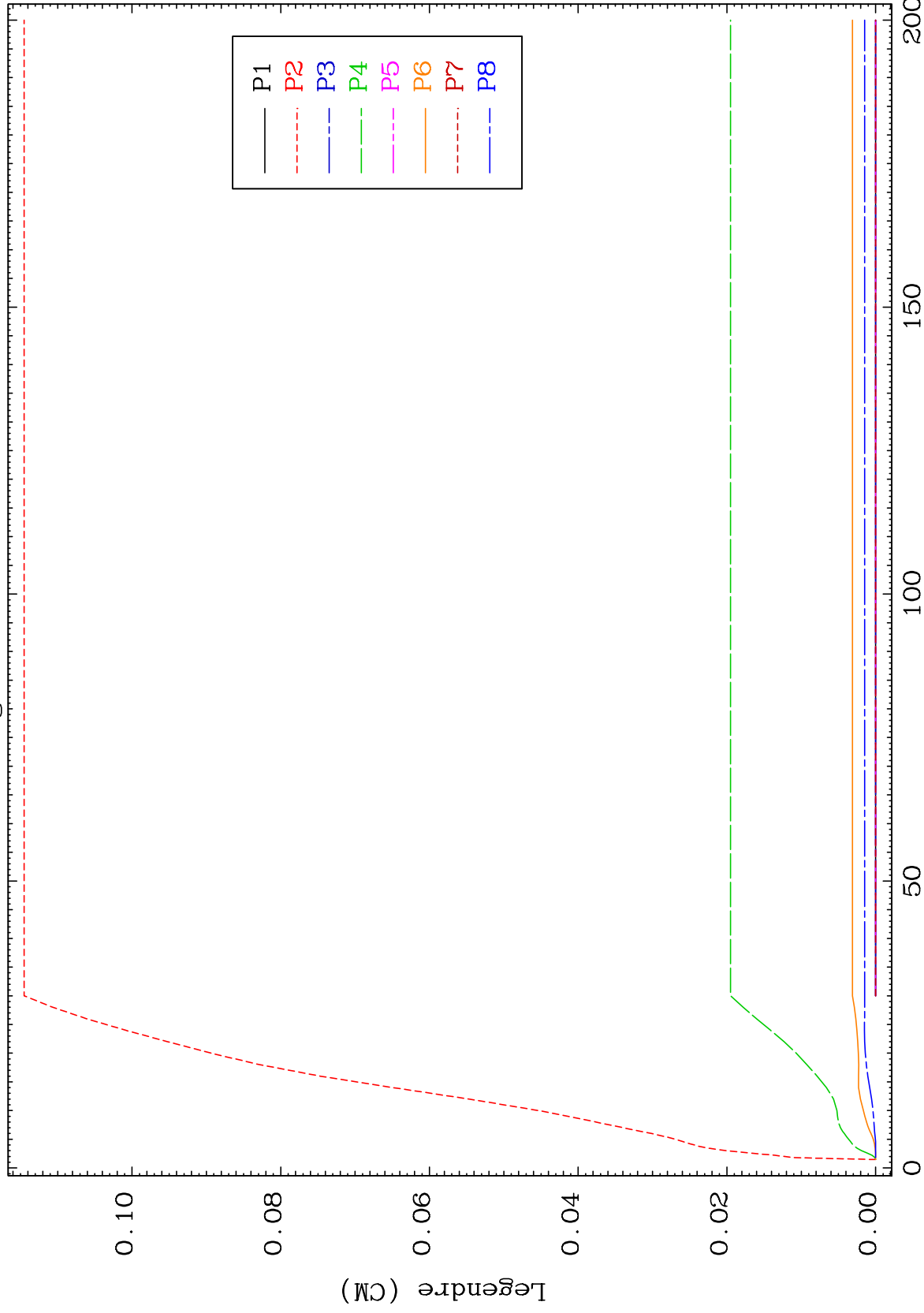
113

41-Nb-105

MAT 4161

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

41-Nb-105



114

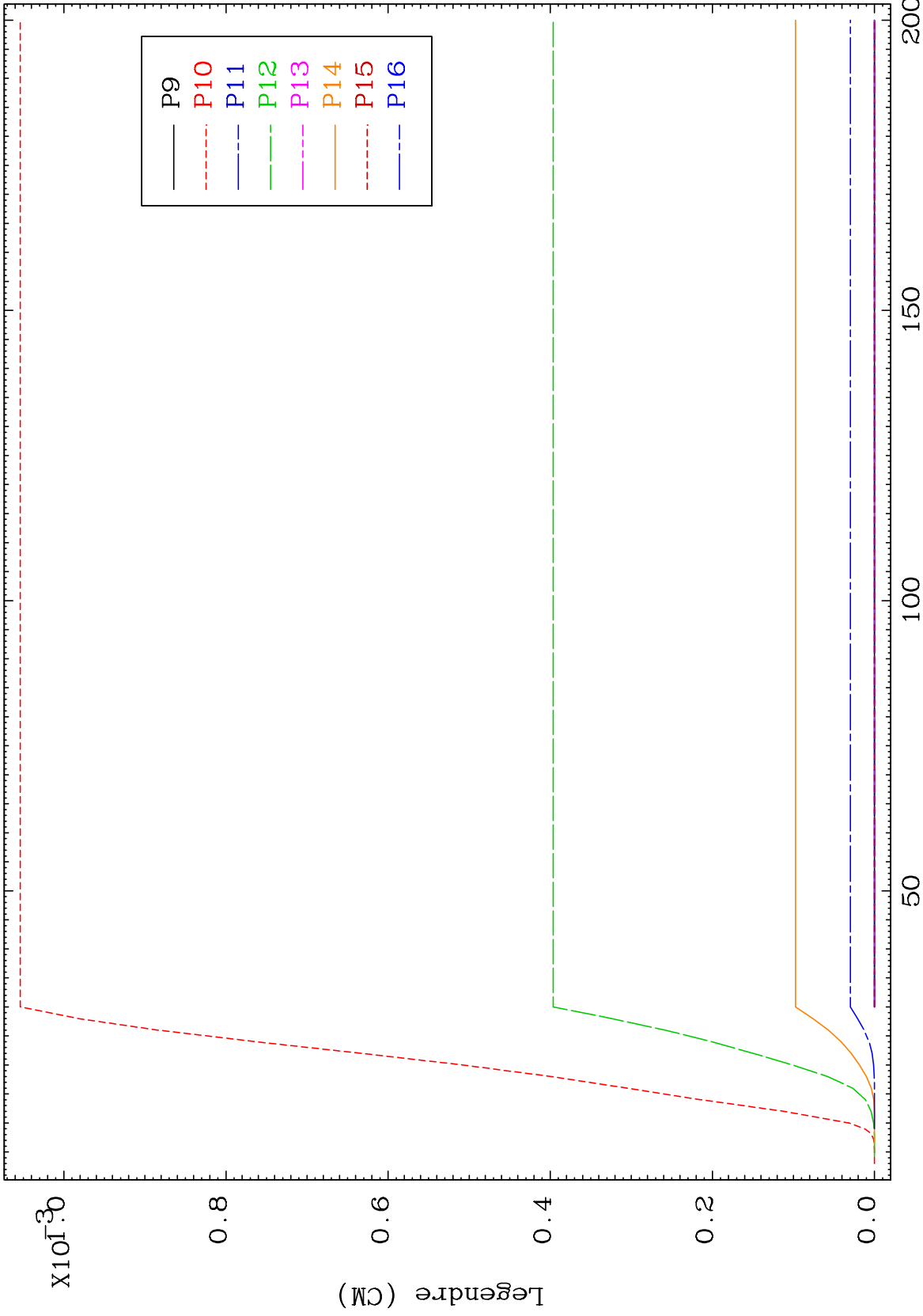
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105

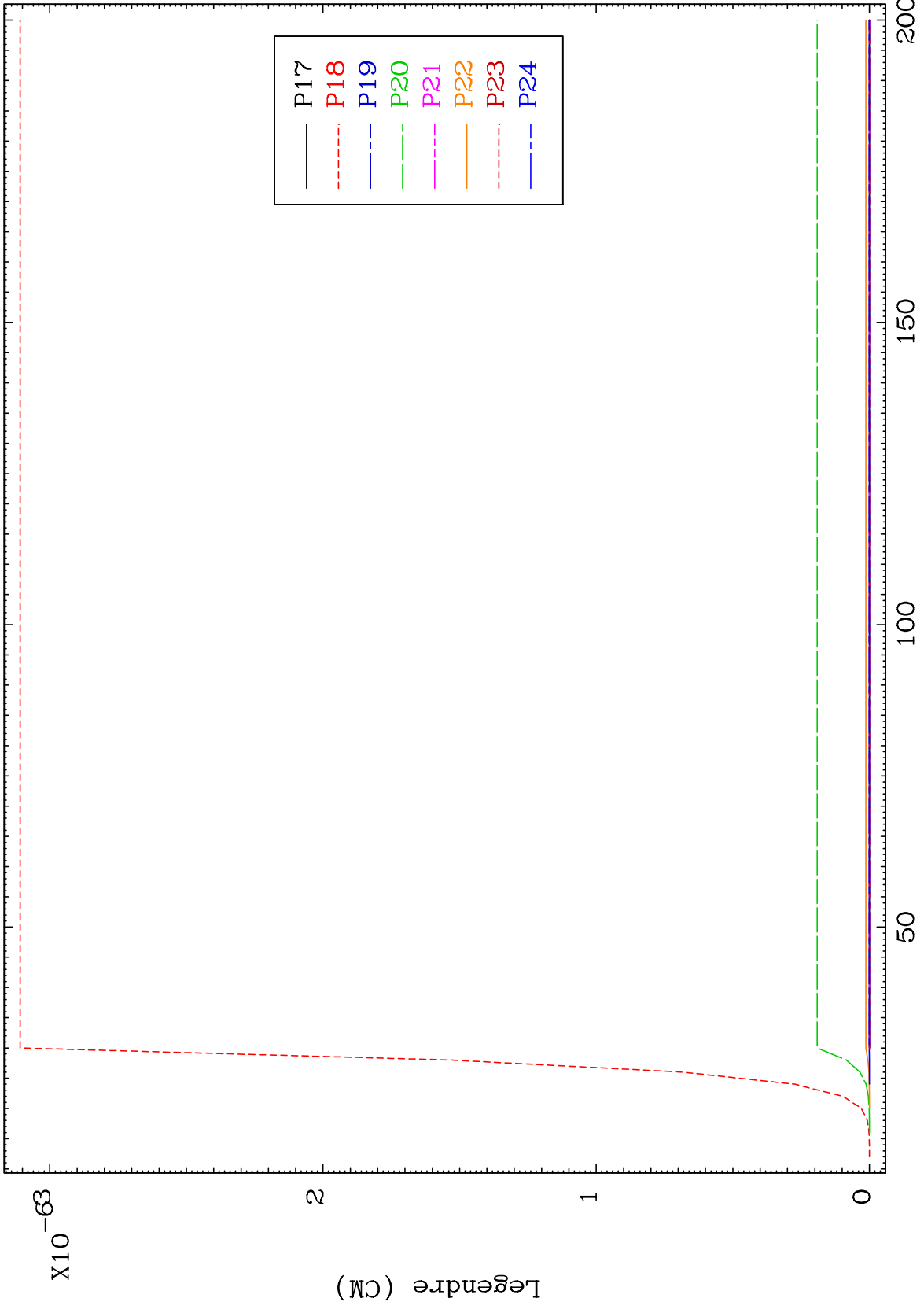


115

Incident Energy (MeV)

41-Nb-105

MAT 4161 MT= 78 (n,n') Level Legendre Coefficients 41-Nb-105

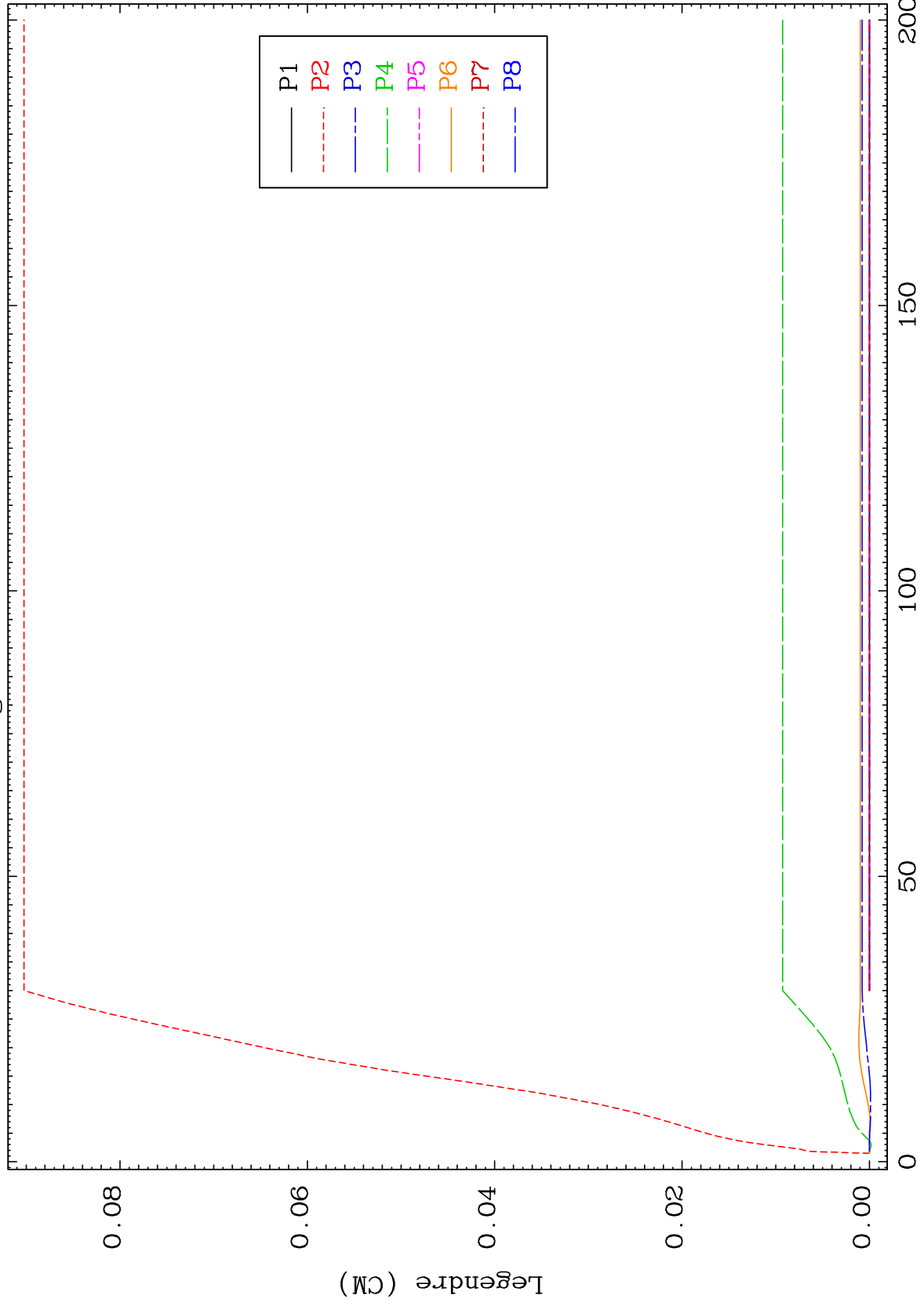


116 Incident Energy (MeV) 41-Nb-105

MAT 4161

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

41-Nb-105



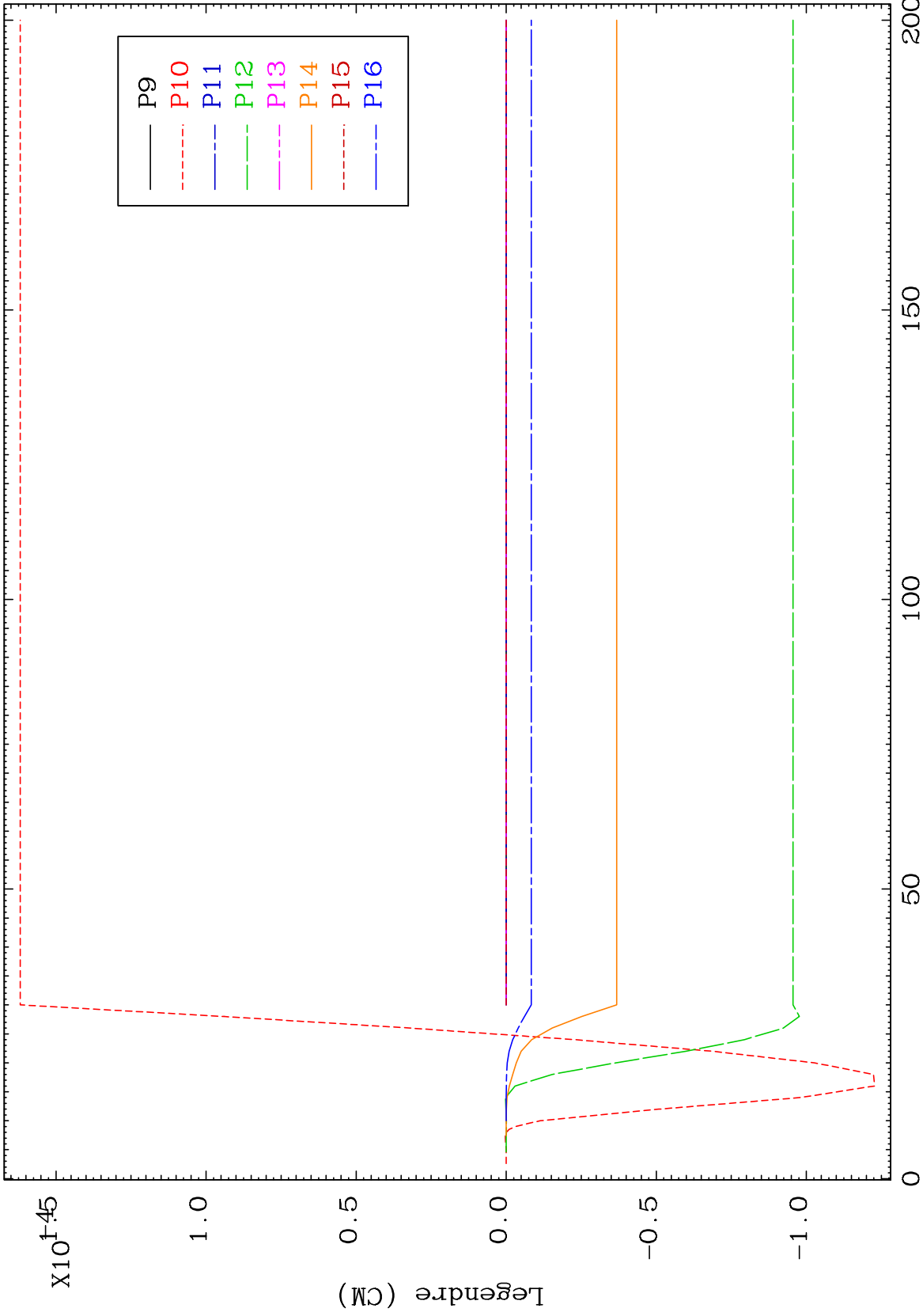
117

41-Nb-105

MAT 4161

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

41-Nb-105



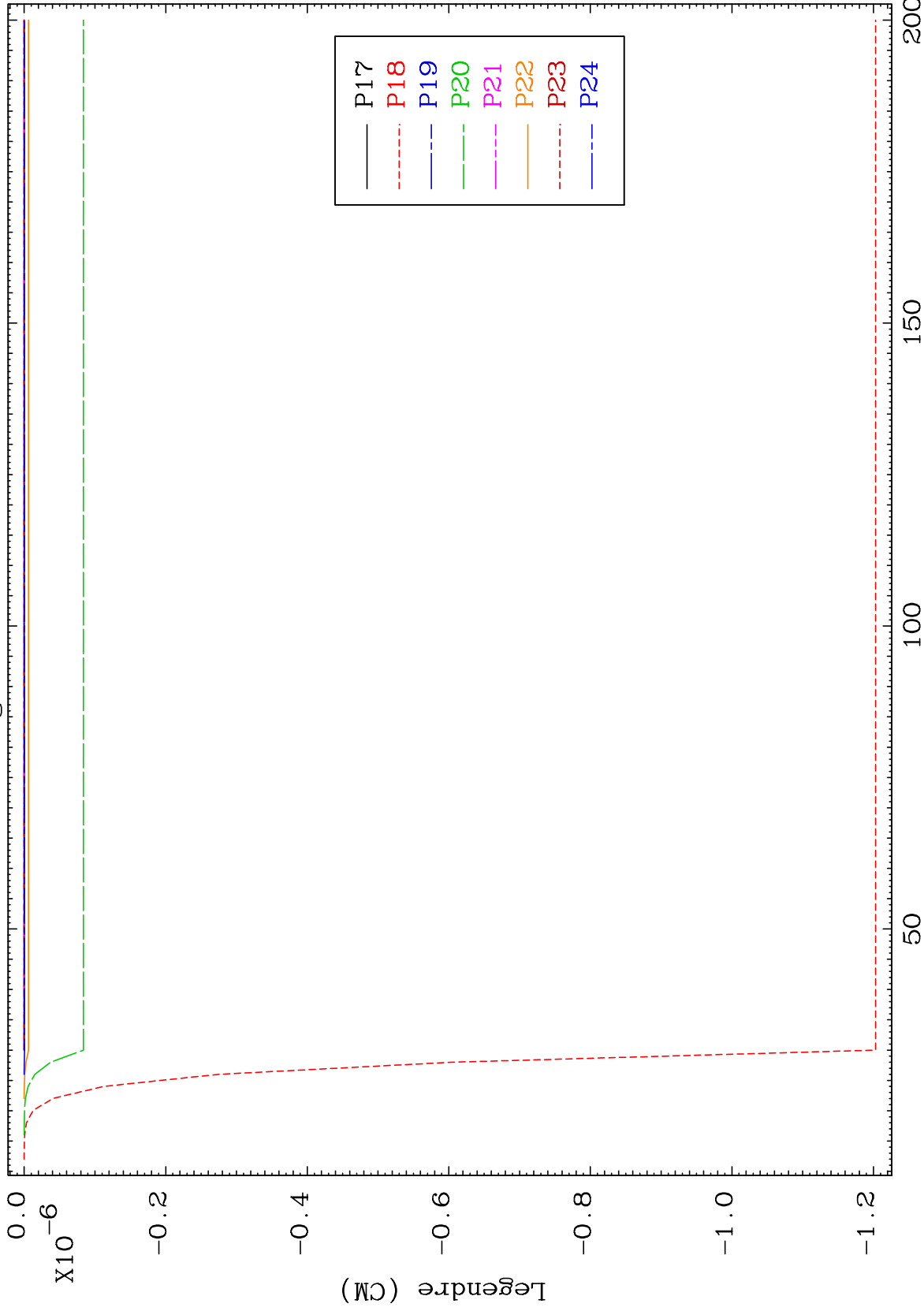
118

41-Nb-105

MAT 4161

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

41-Nb-105

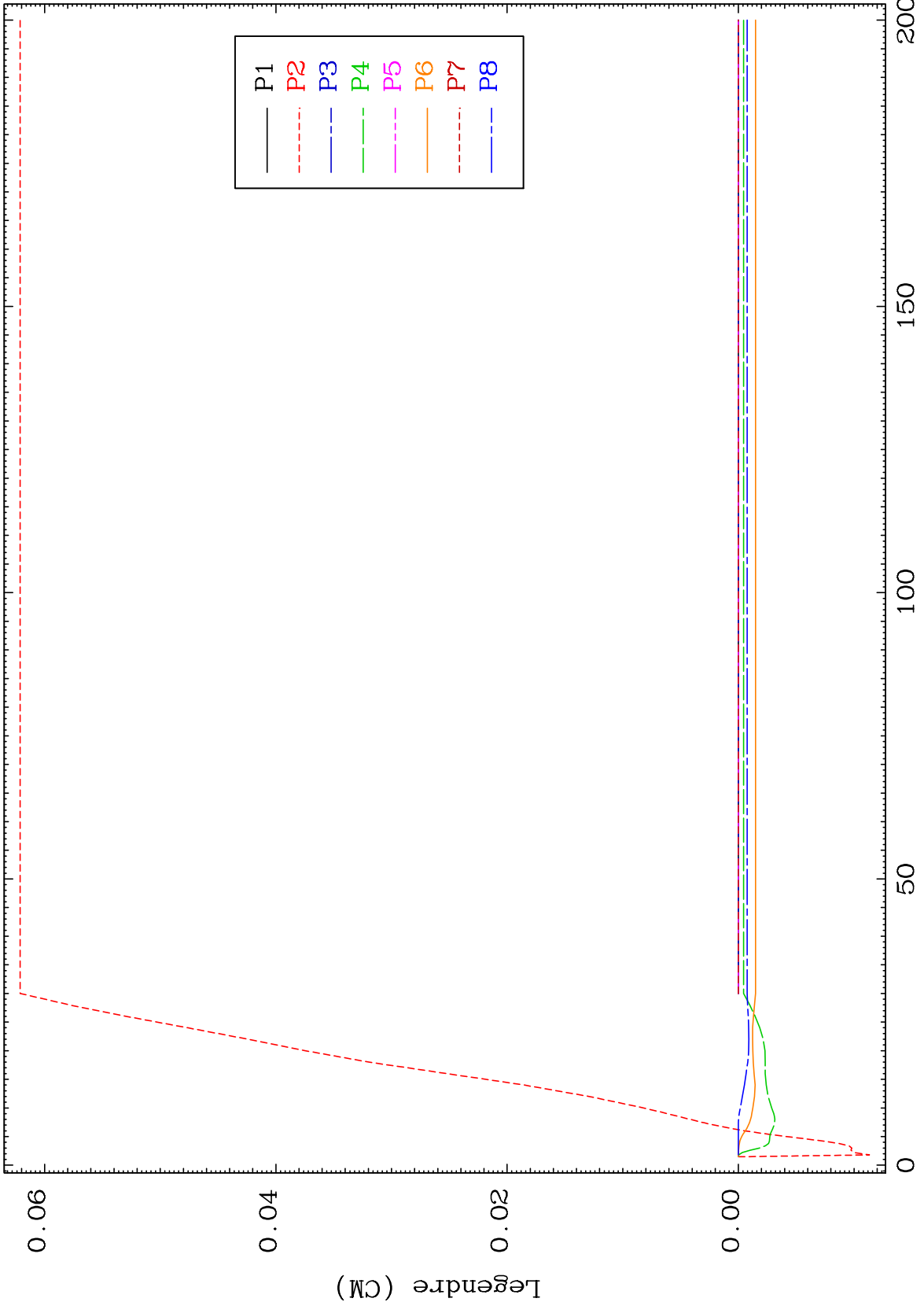


119

Incident Energy (MeV)

41-Nb-105

MAT 4161 MT= 80 (n,n') Level Legendre Coefficients 41-Nb-105

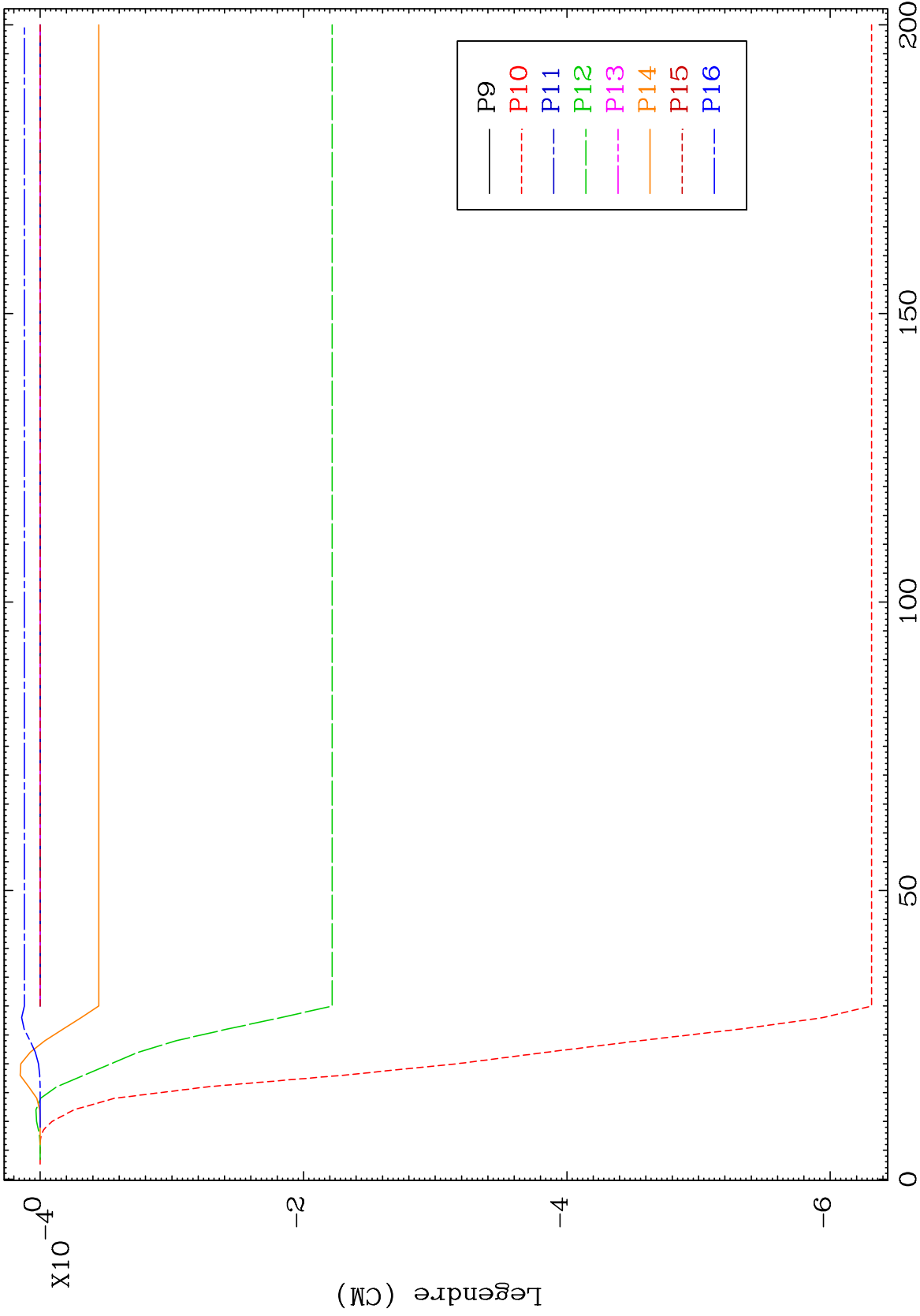


41-Nb-105

MAT 4161

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

41-Nb-105

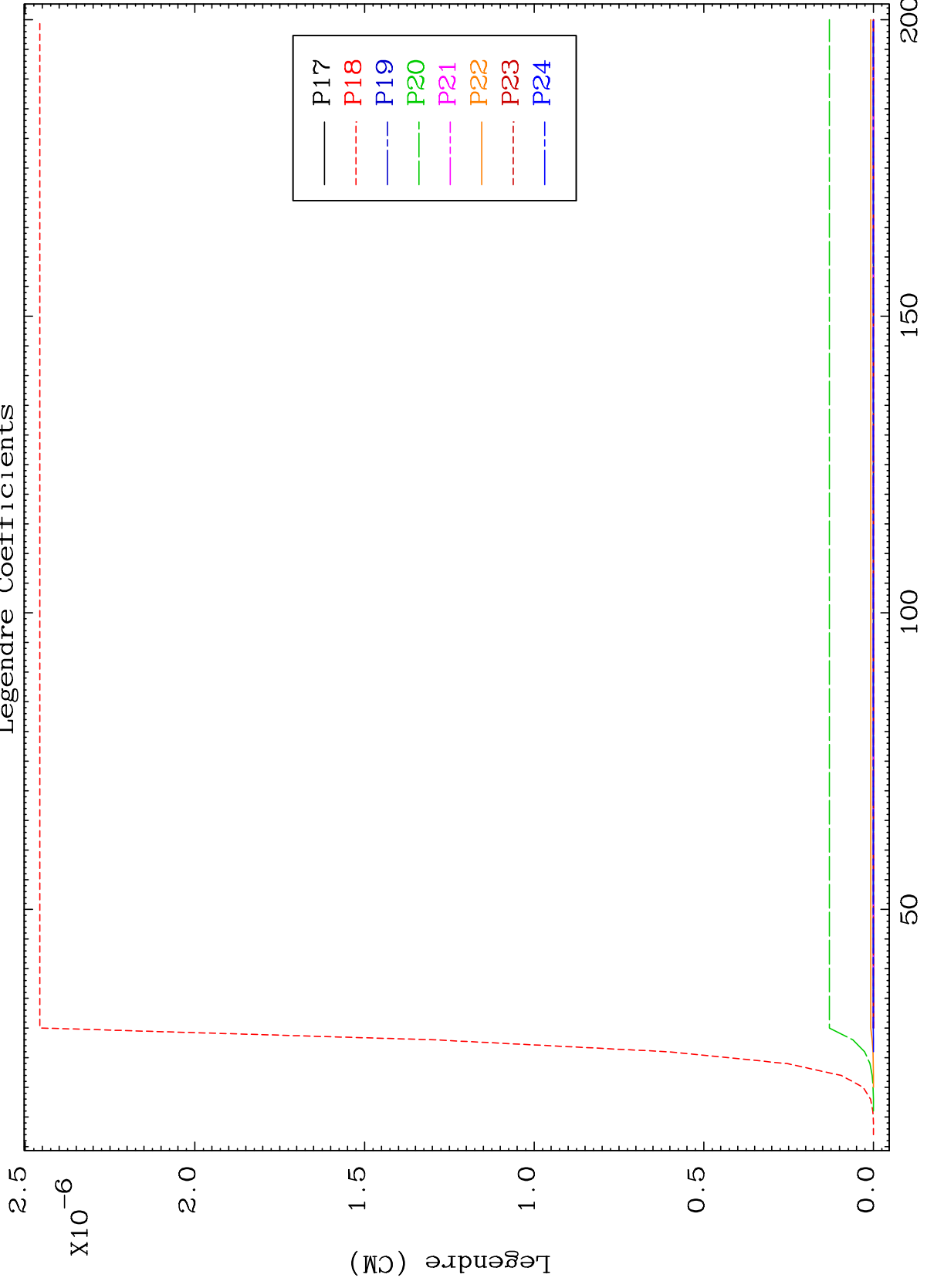


121

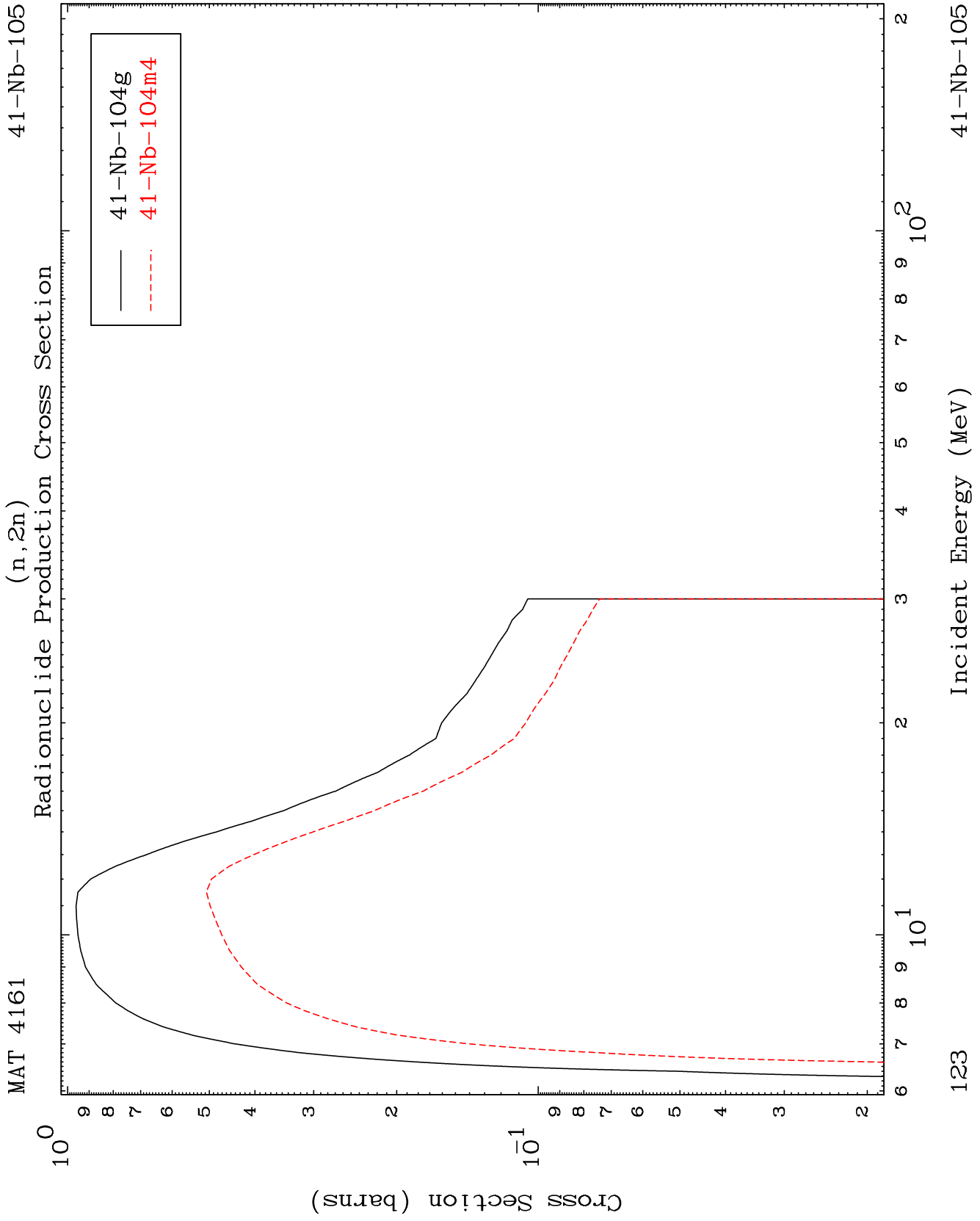
Incident Energy (MeV)

41-Nb-105

MAT 4161 MT= 80 (n,n') Level Legendre Coefficients 41-Nb-105



122 Incident Energy (MeV) 41-Nb-105

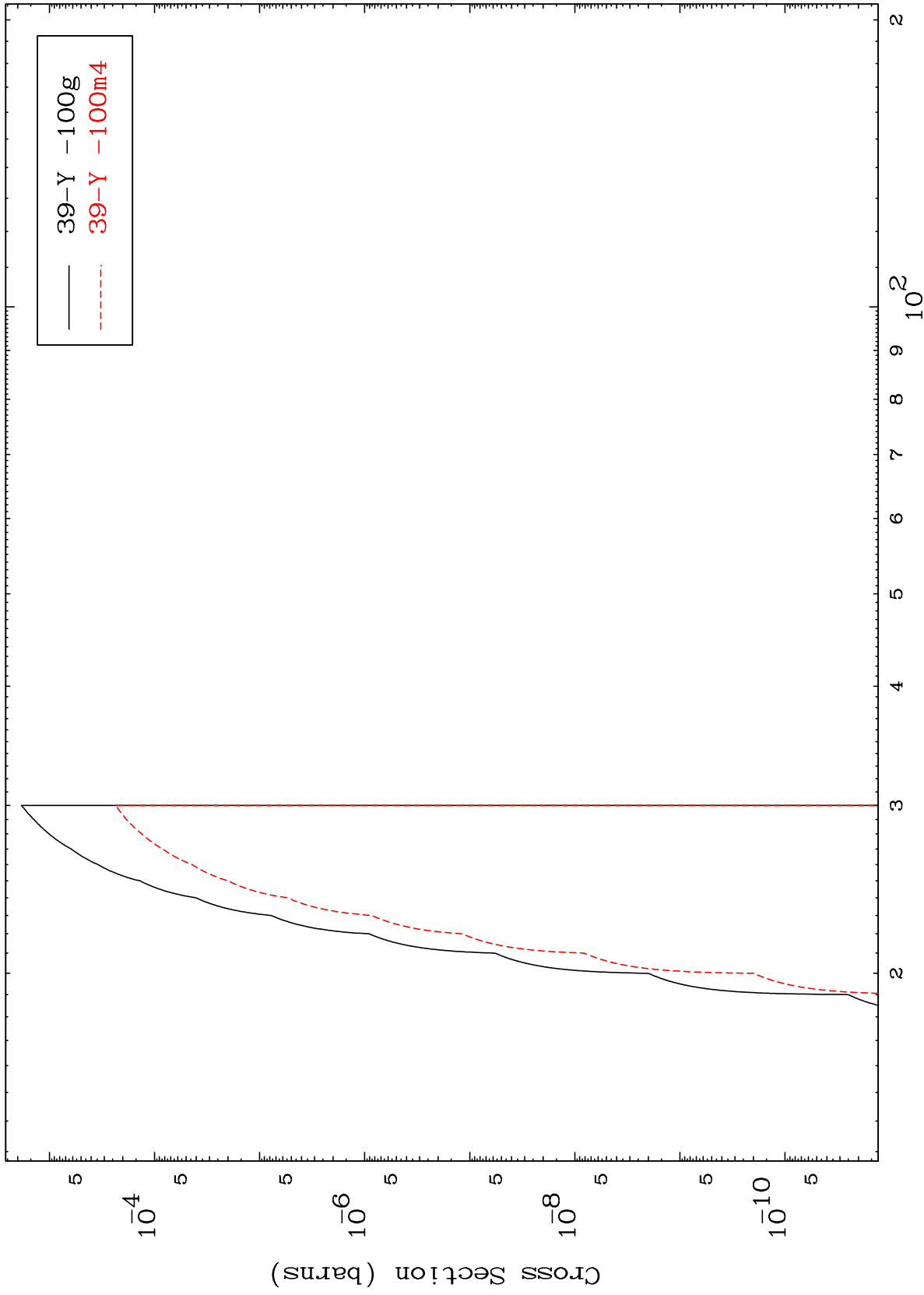


MAT 4161

(n,2n) α

41-Nb-105

Radionuclide Production Cross Section



124

Incident Energy (MeV)

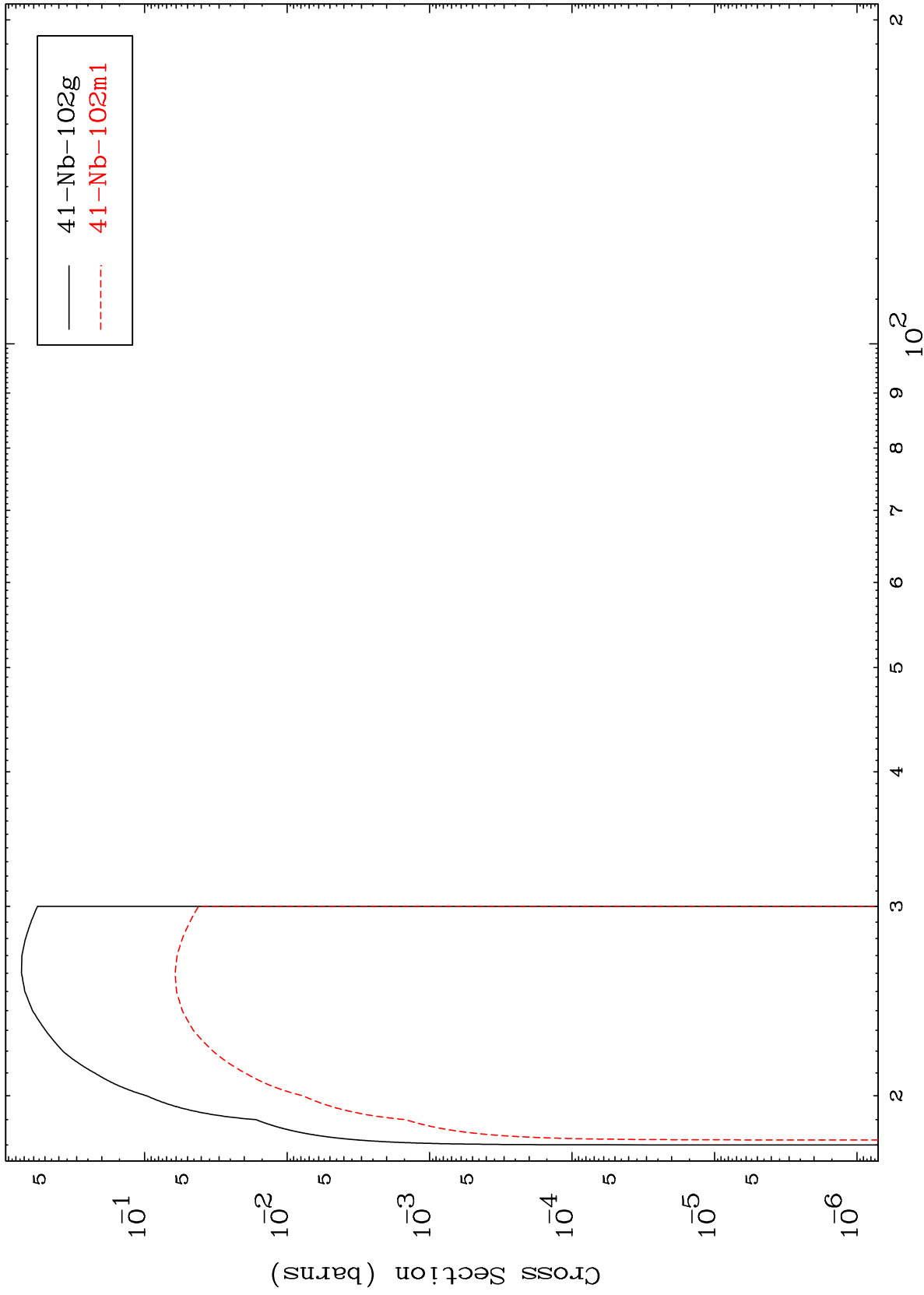
41-Nb-105

MAT 4161

(n,4n)

41-Nb-105

Radionuclide Production Cross Section



125

Incident Energy (MeV)

41-Nb-105