

Program EVALPLOT
(Version 2018-1)

by

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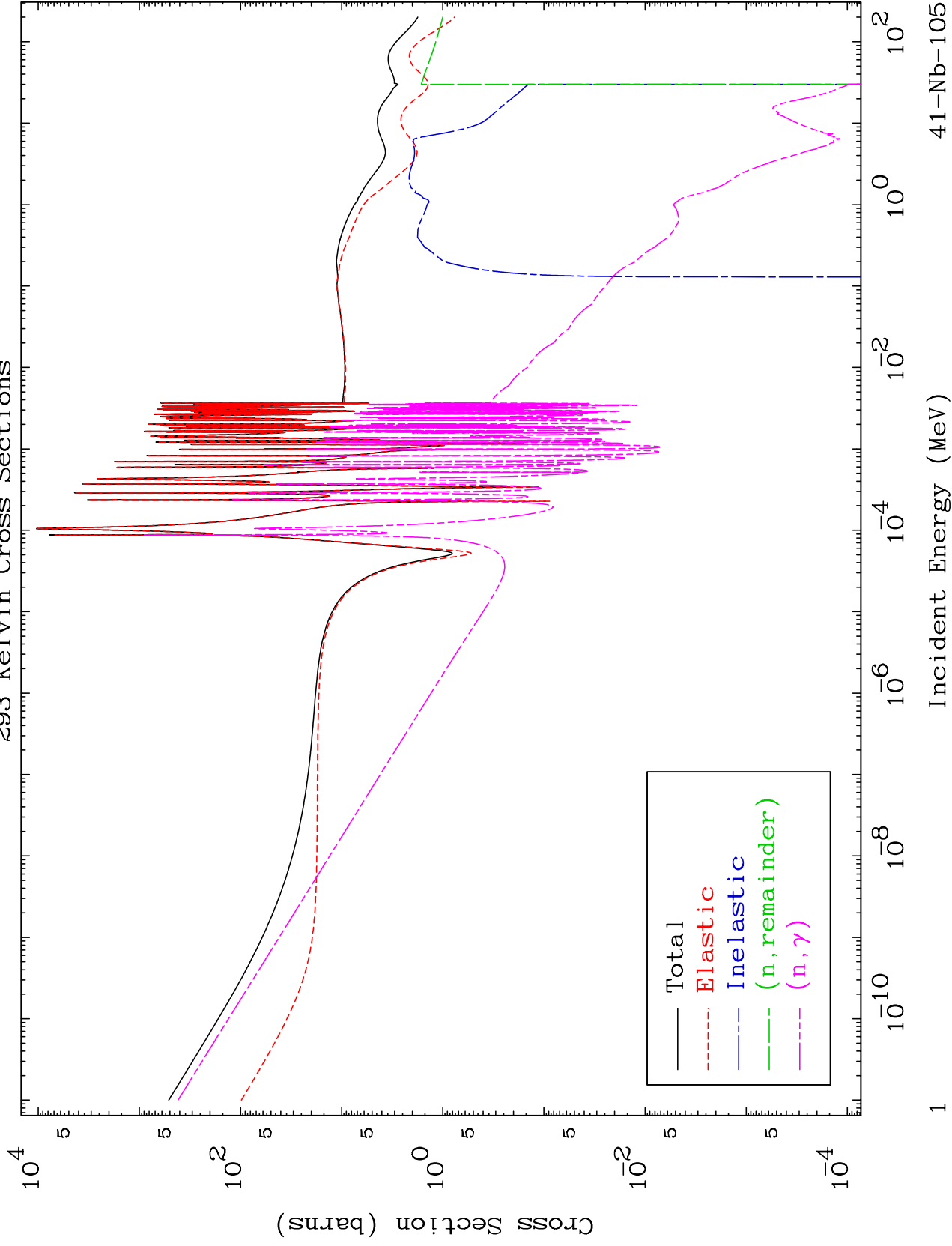
Press Mouse Button to Start

MAT 4161

Major

293 Kelvin Cross Sections

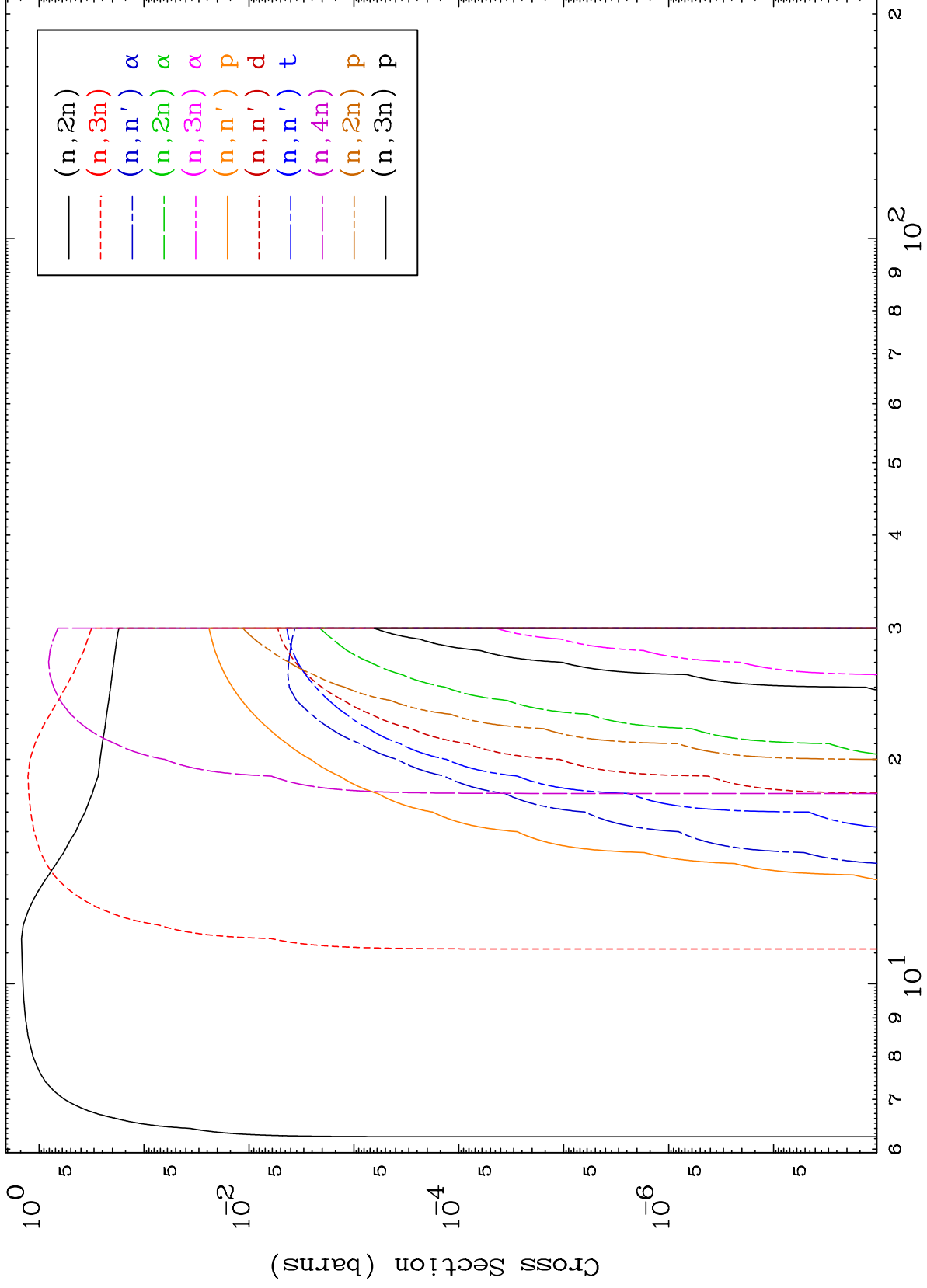
41-Nb-105



MAT 4161

Neutron Production
293 Kelvin Cross Sections

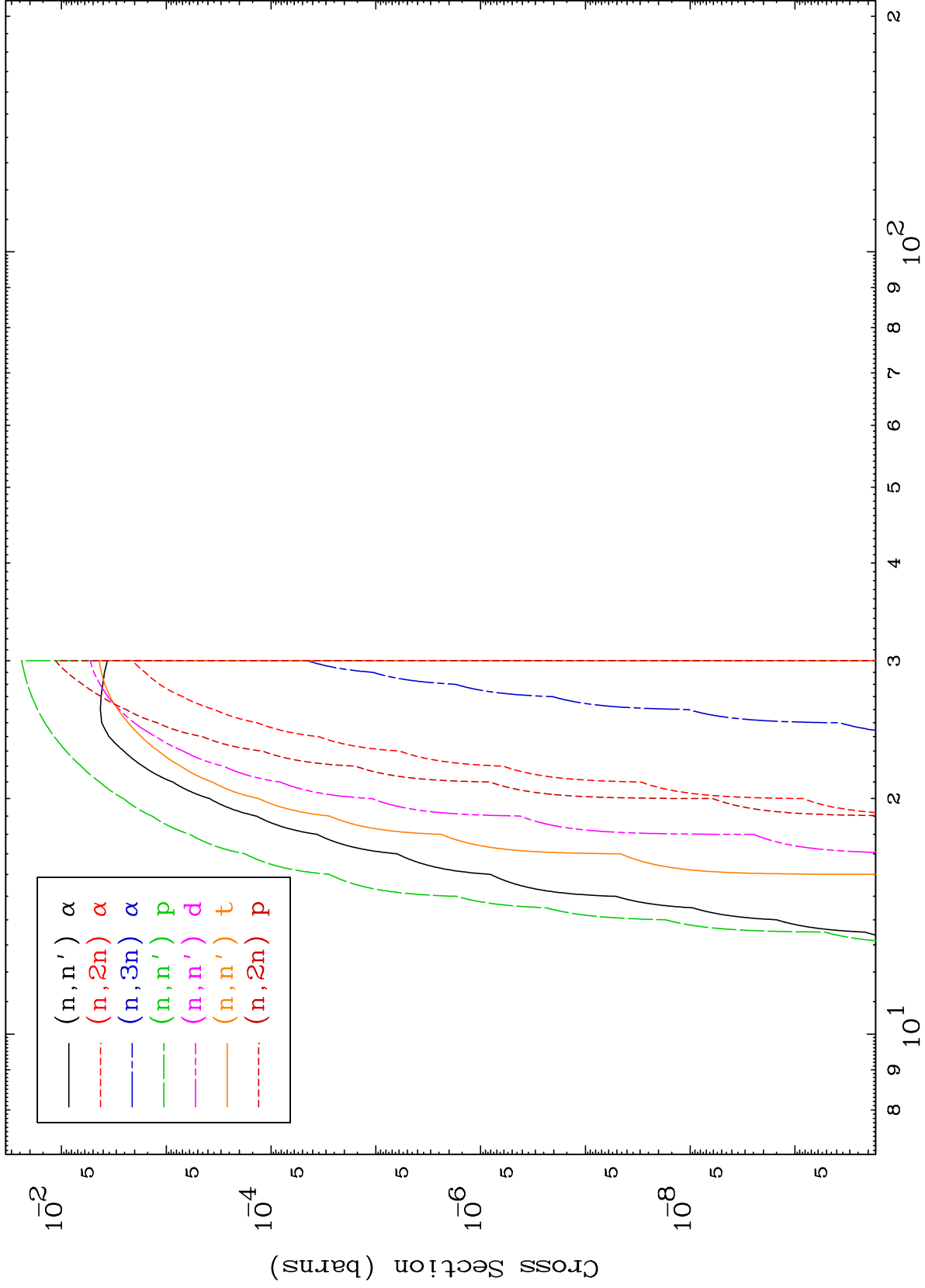
41-Nb-105

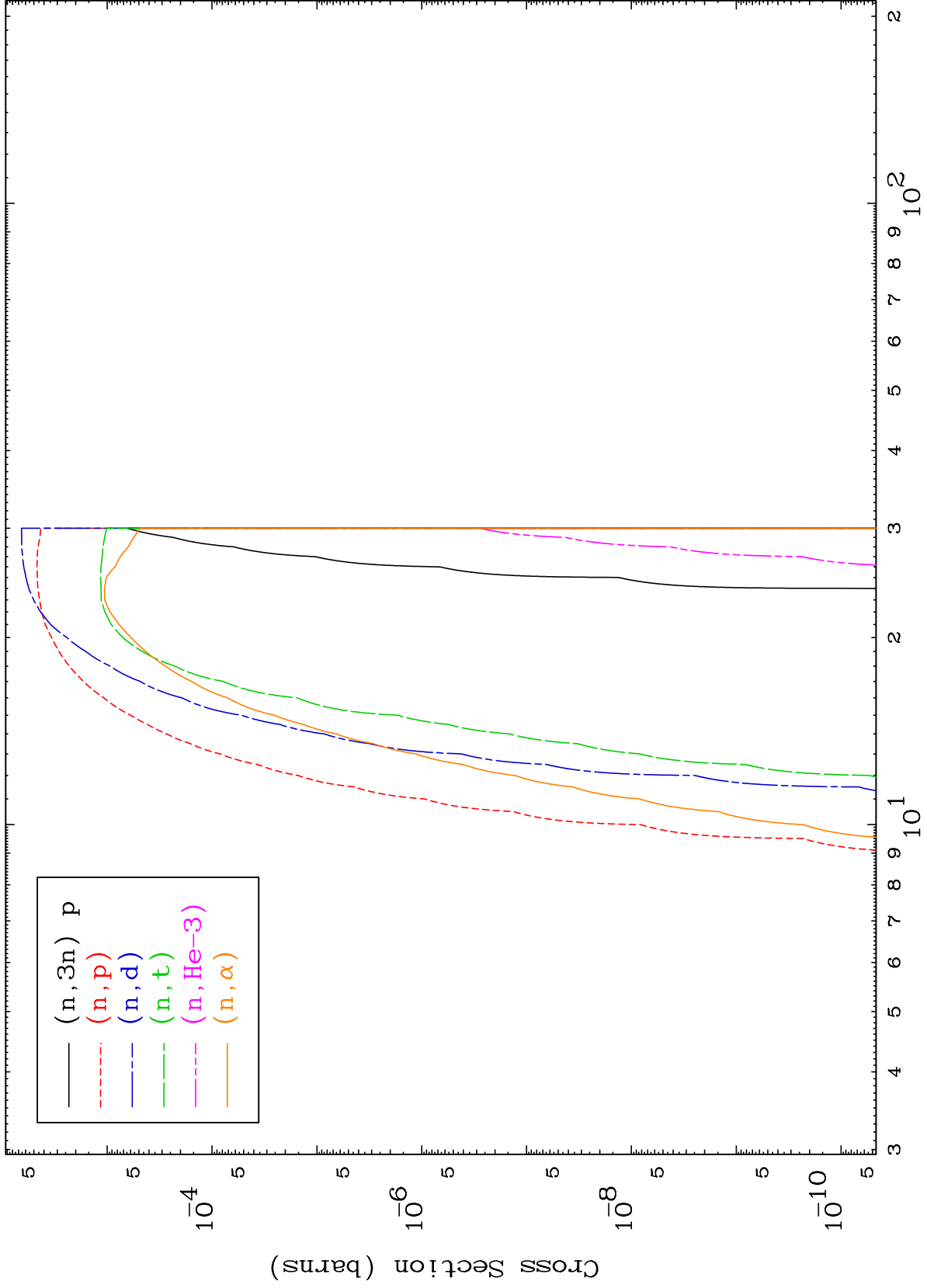


2

Incident Energy (MeV)

41-Nb-105

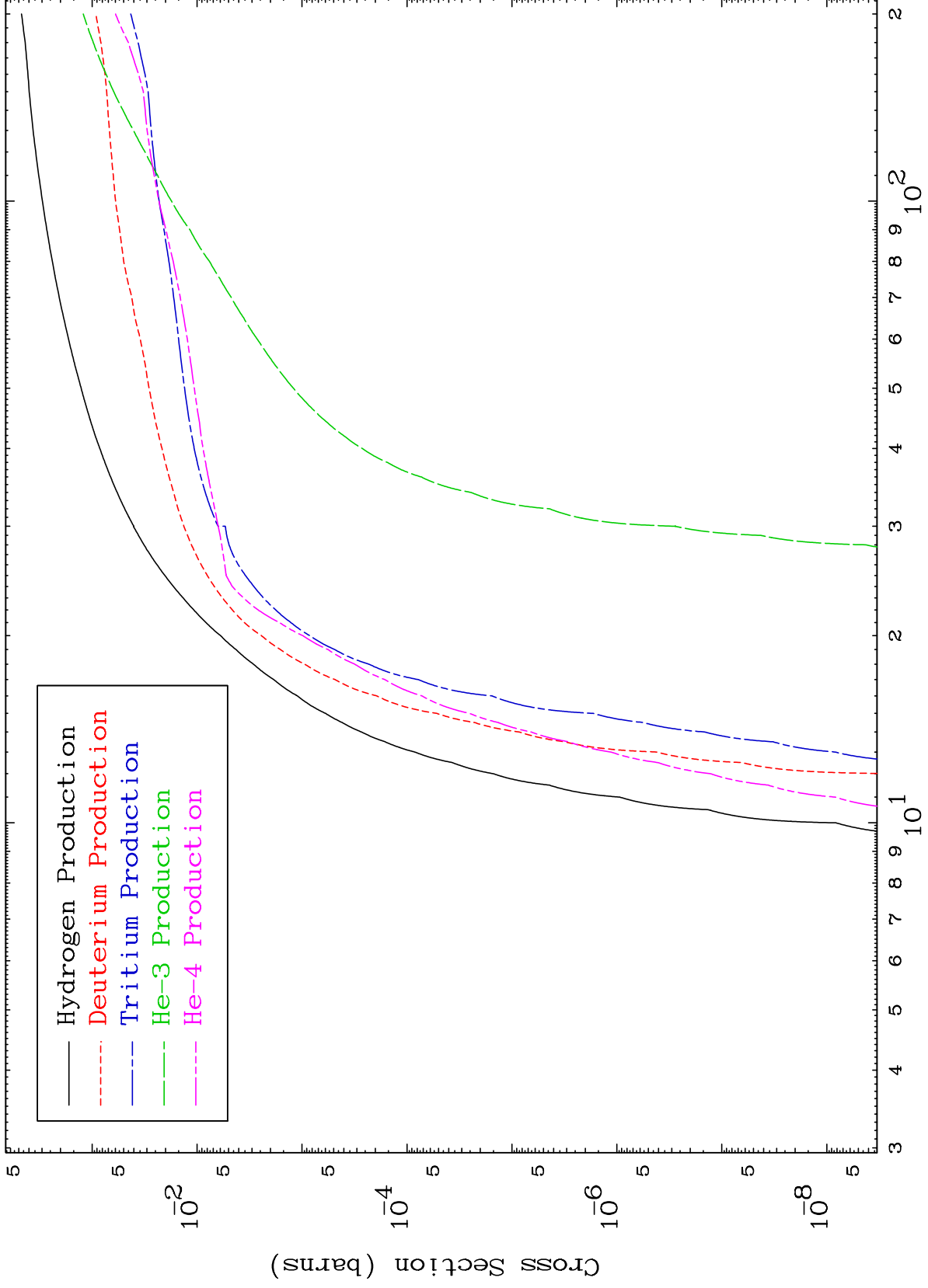




MAT 4161

Particle Production
293 Kelvin Cross Sections

41-Nb-105



5

Incident Energy (MeV)

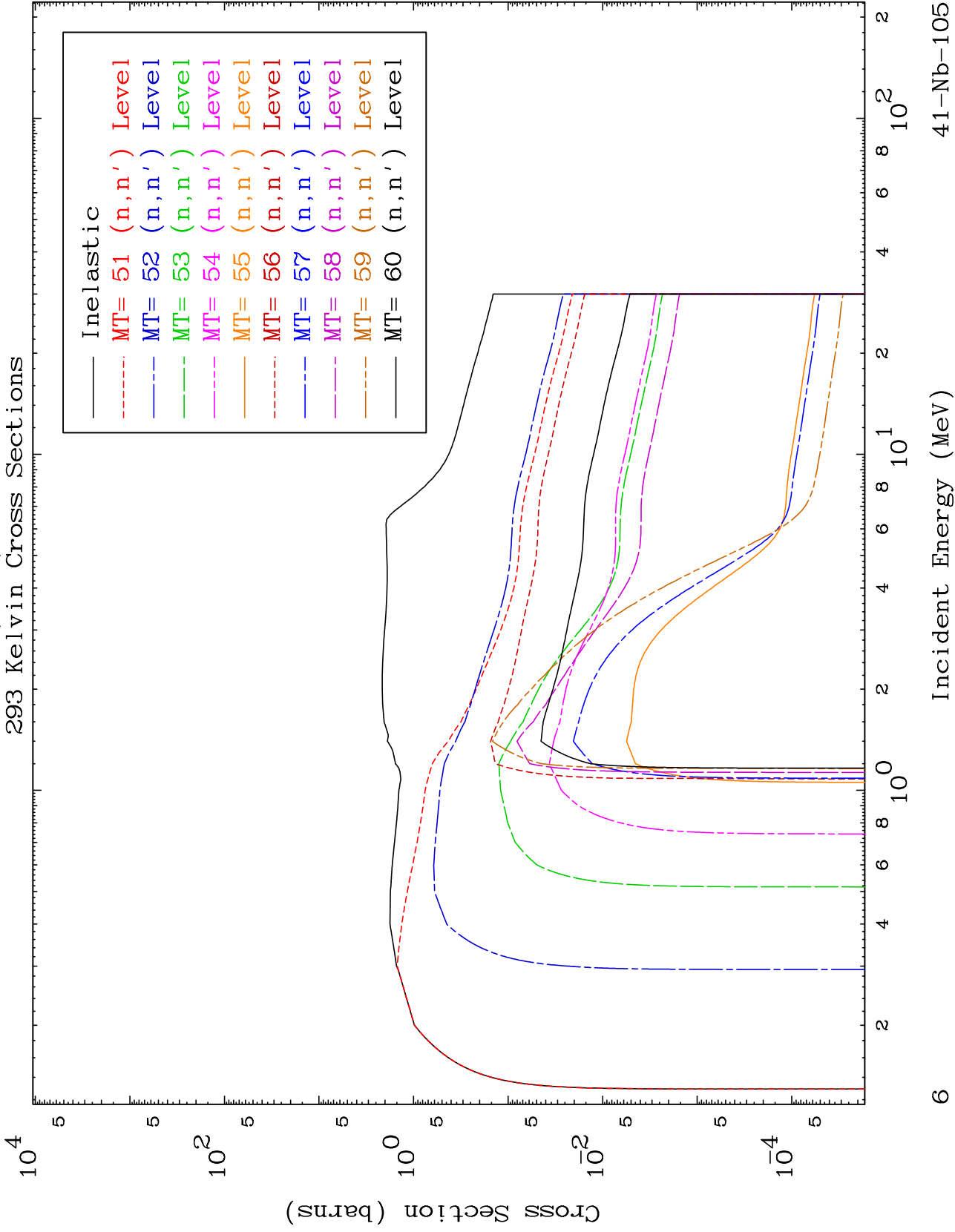
41-Nb-105

MAT 4161

(n,n') Level

41-Nb-105

293 Kelvin Cross Sections



6

Incident Energy (MeV)

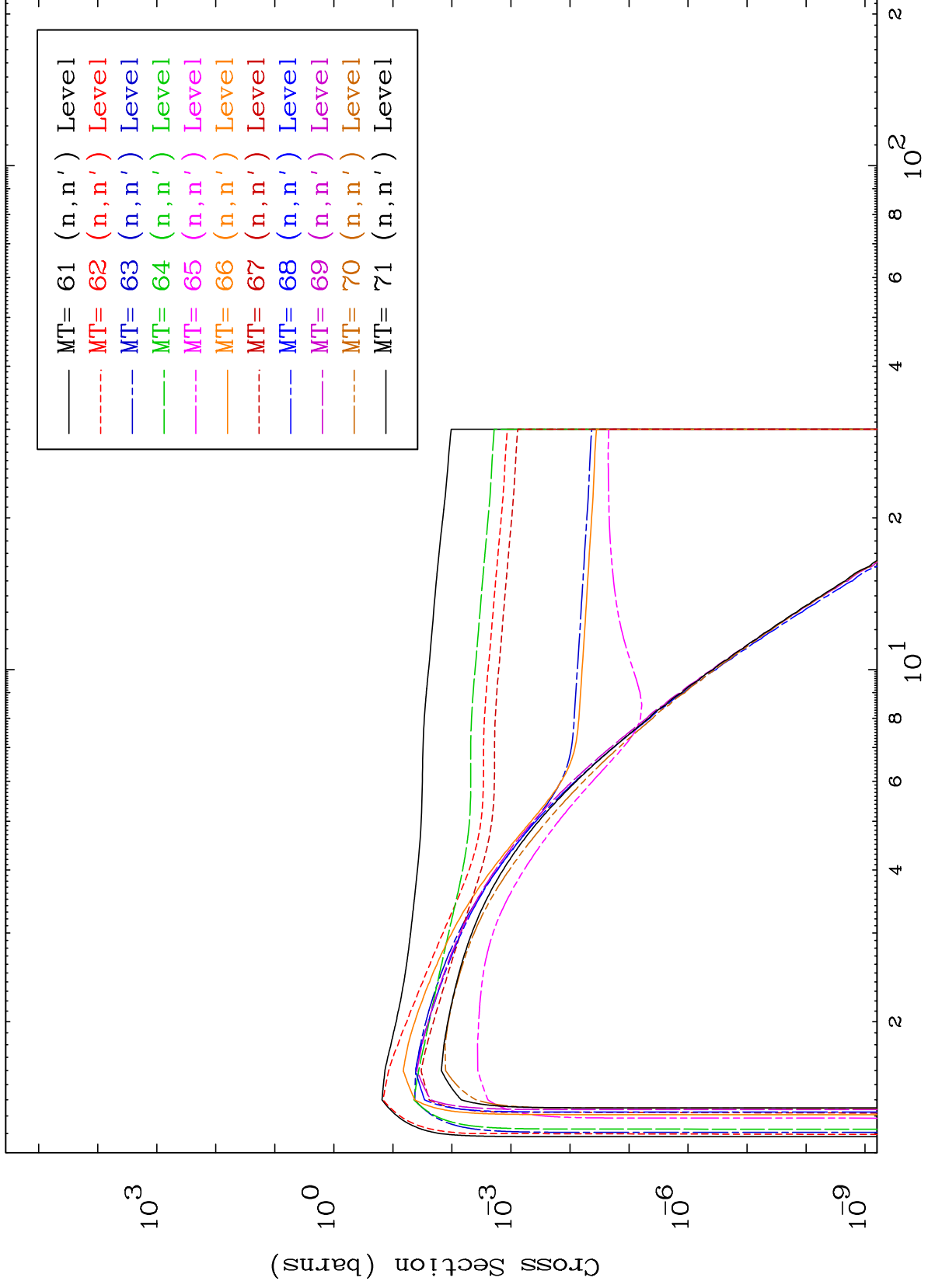
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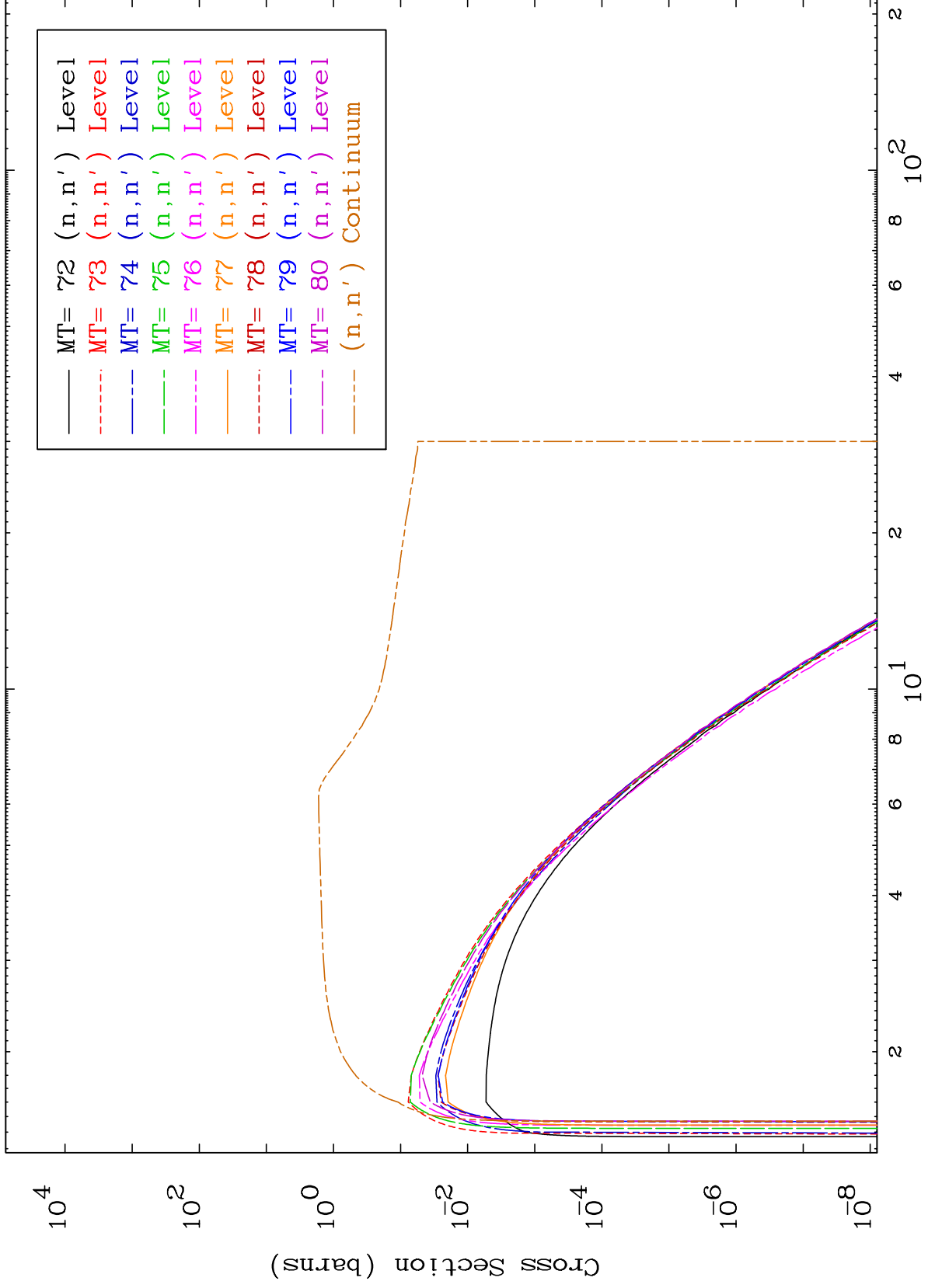
MAT 4161

(n,n') Level

41-Nb-105

293 Kelvin Cross Sections

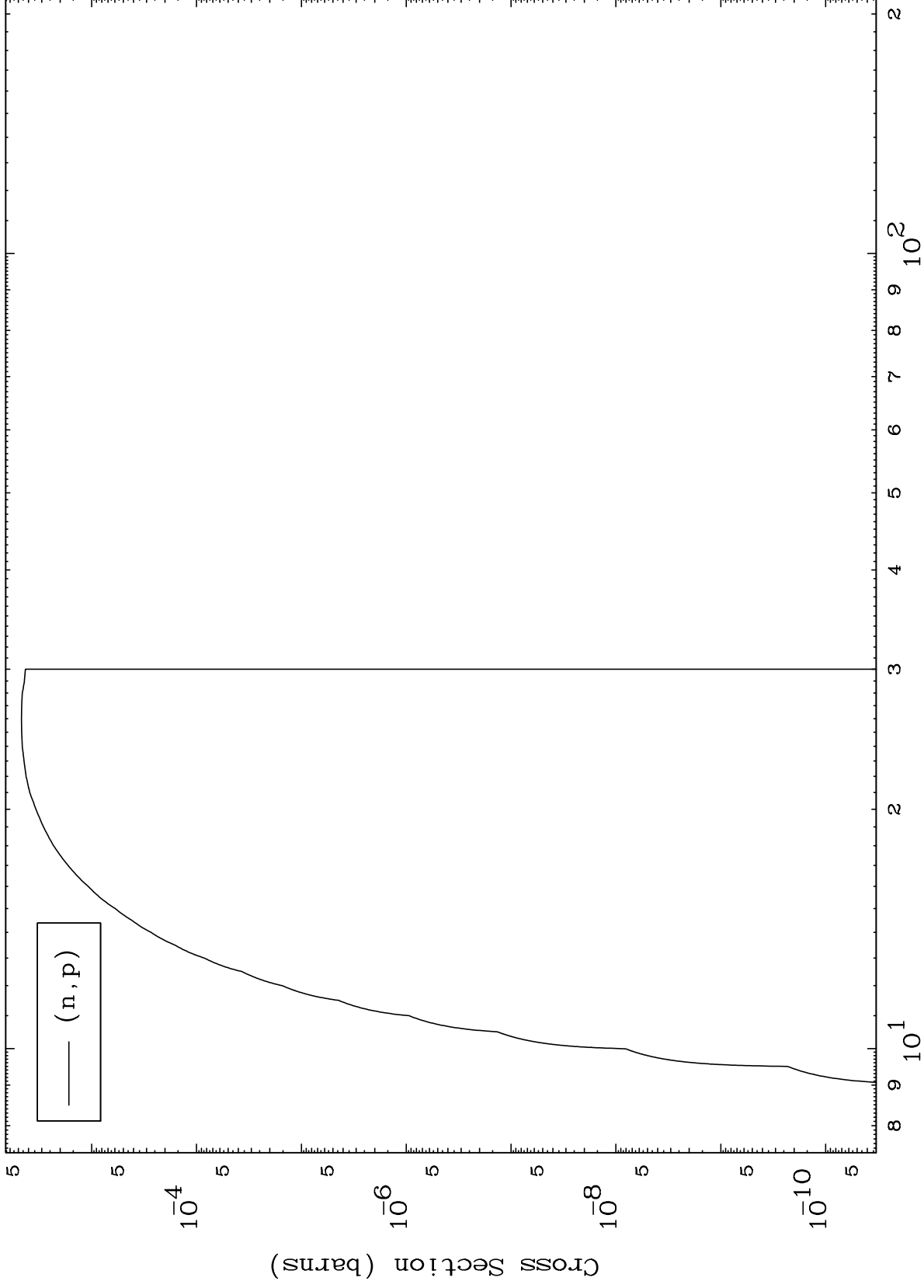




MAT 4161

(n,p) Levels
293 Kelvin Cross Sections

41-Nb-105



9

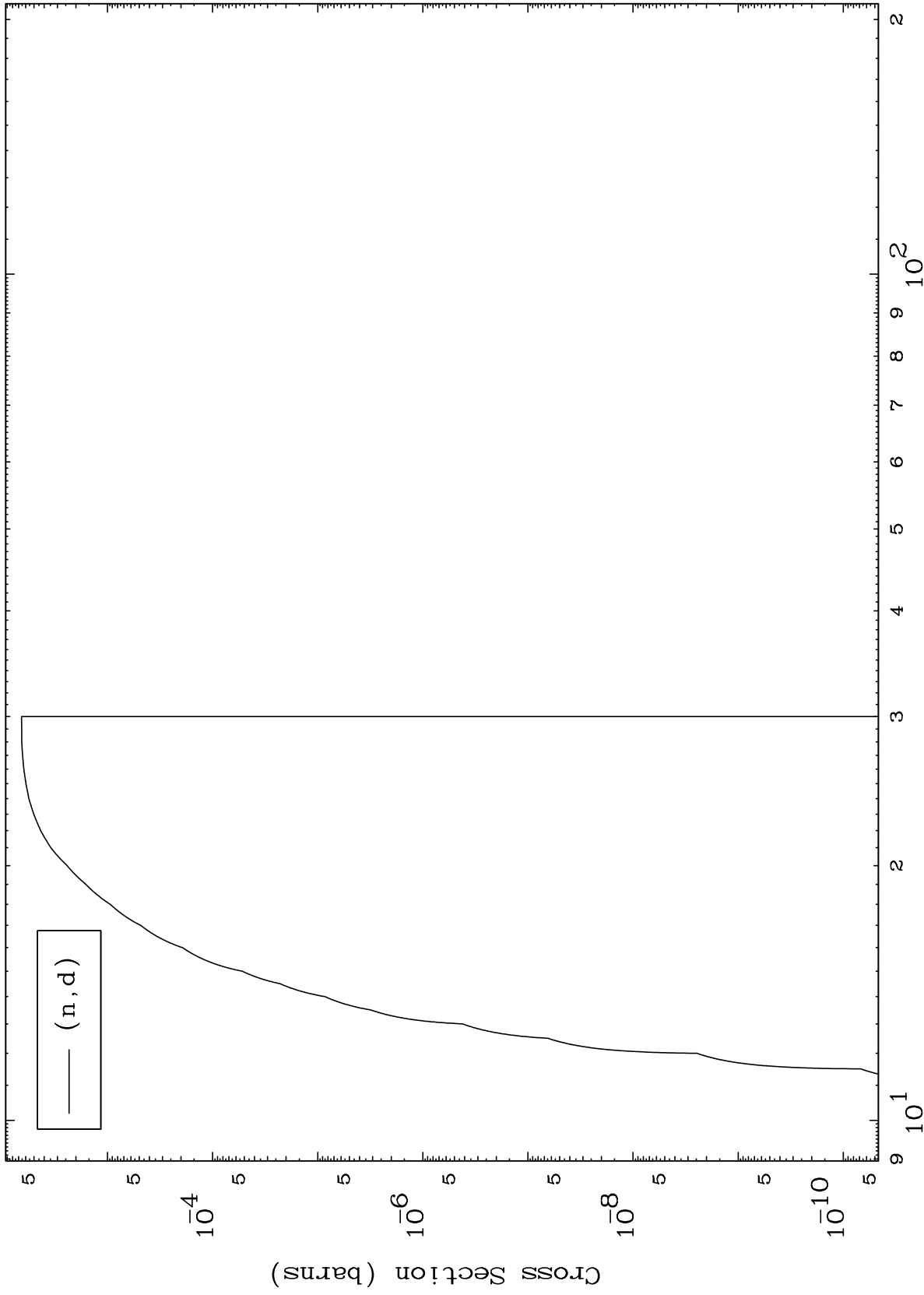
Incident Energy (MeV)

41-Nb-105

MAT 4161

(n,d) Levels
293 Kelvin Cross Sections

41-Nb-105



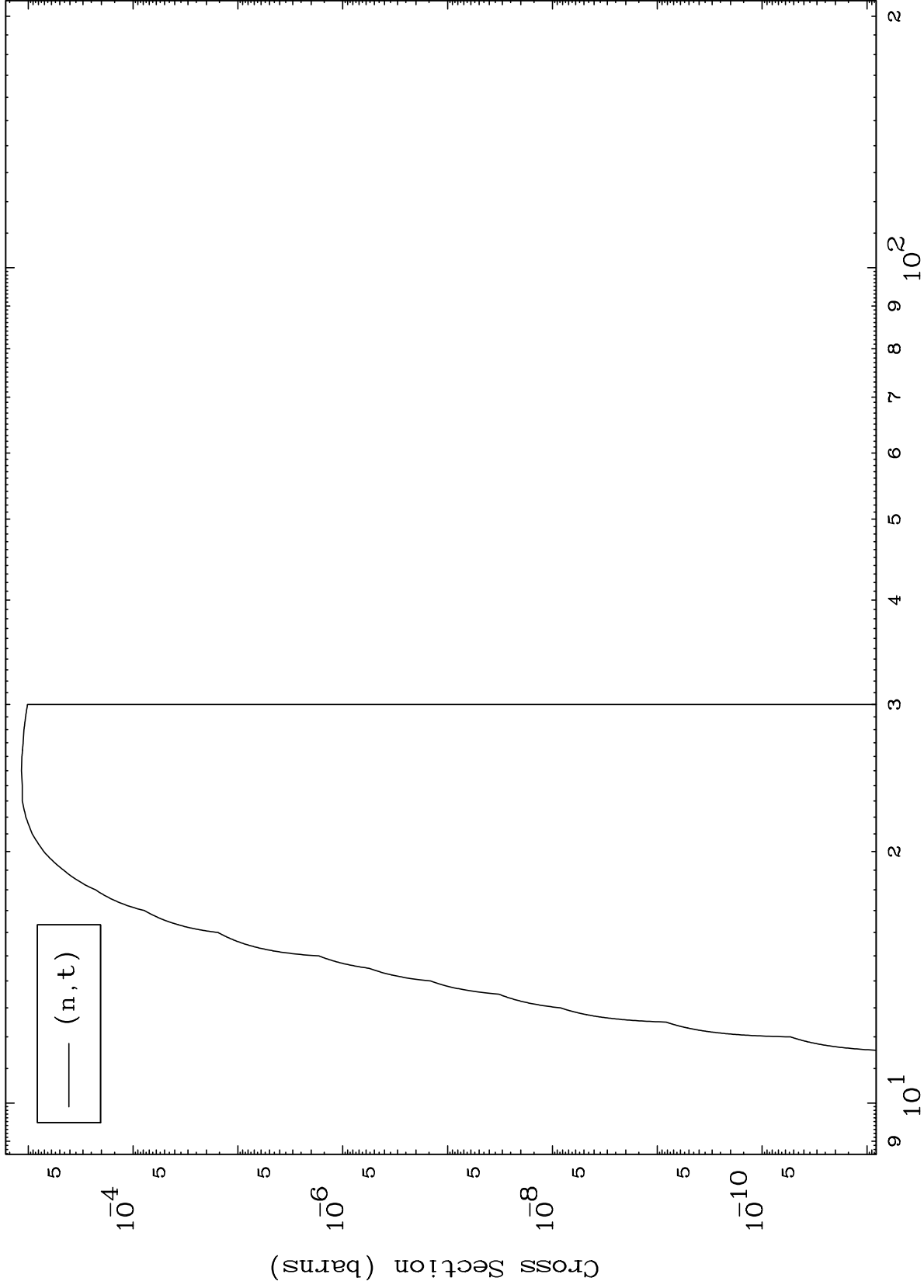
Incident Energy (MeV)

41-Nb-105

MAT 4161

(n,t) Levels
293 Kelvin Cross Sections

41-Nb-105



11

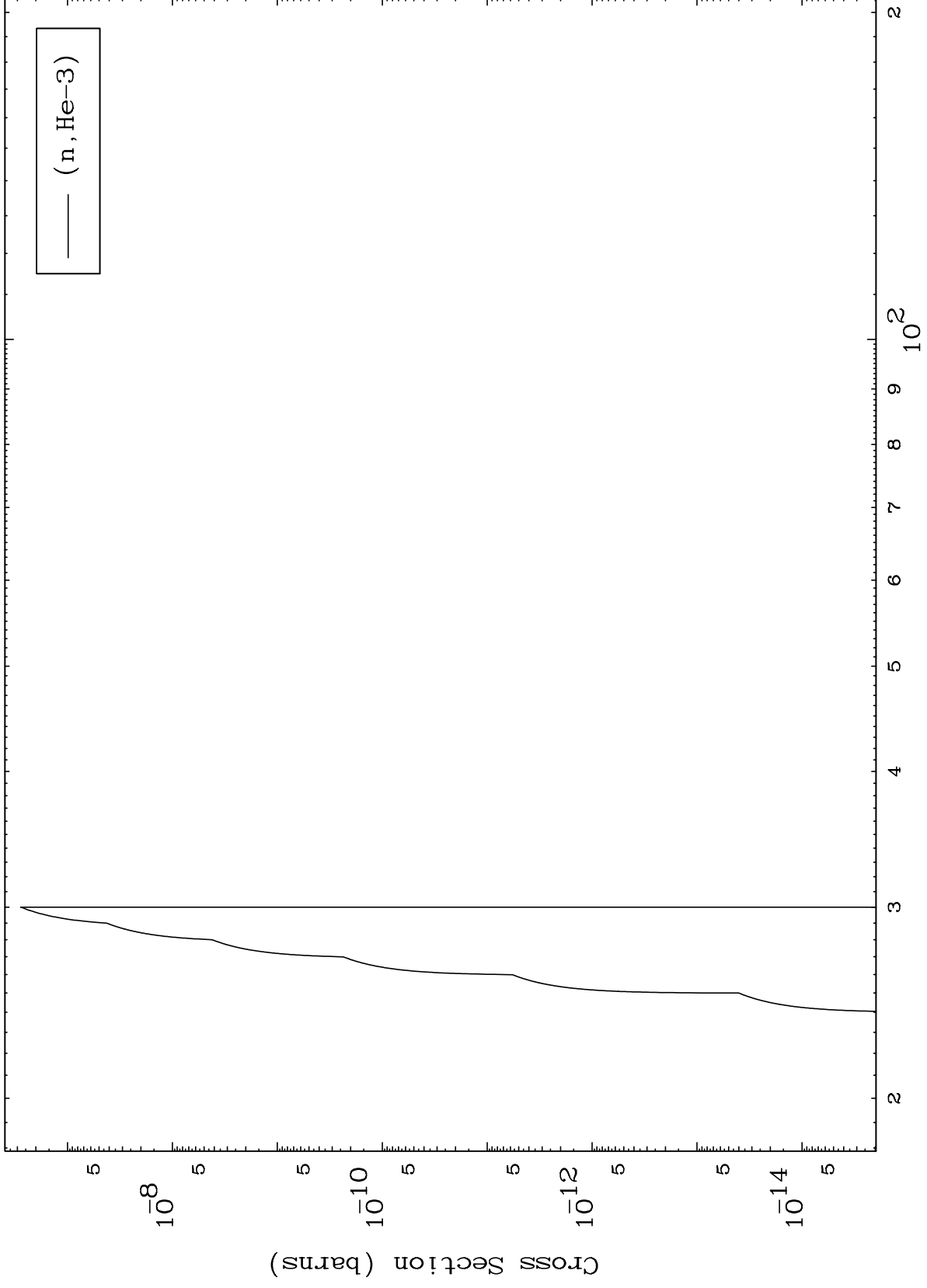
Incident Energy (MeV)

41-Nb-105

MAT 4161

(n,He3) Levels
293 Kelvin Cross Sections

41-Nb-105



12

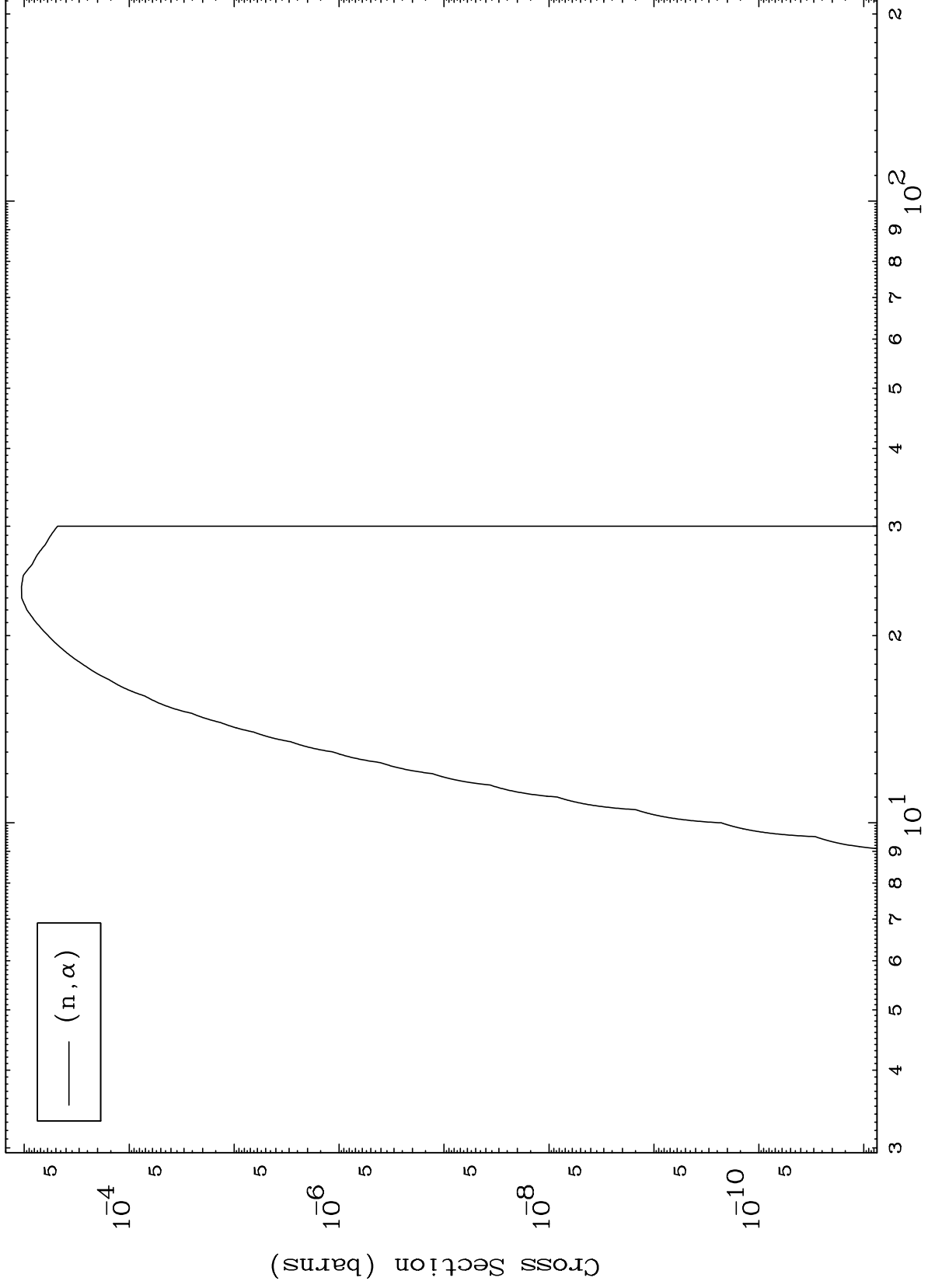
Incident Energy (MeV)

41-Nb-105

MAT 4161

(n, α) Levels
293 Kelvin Cross Sections

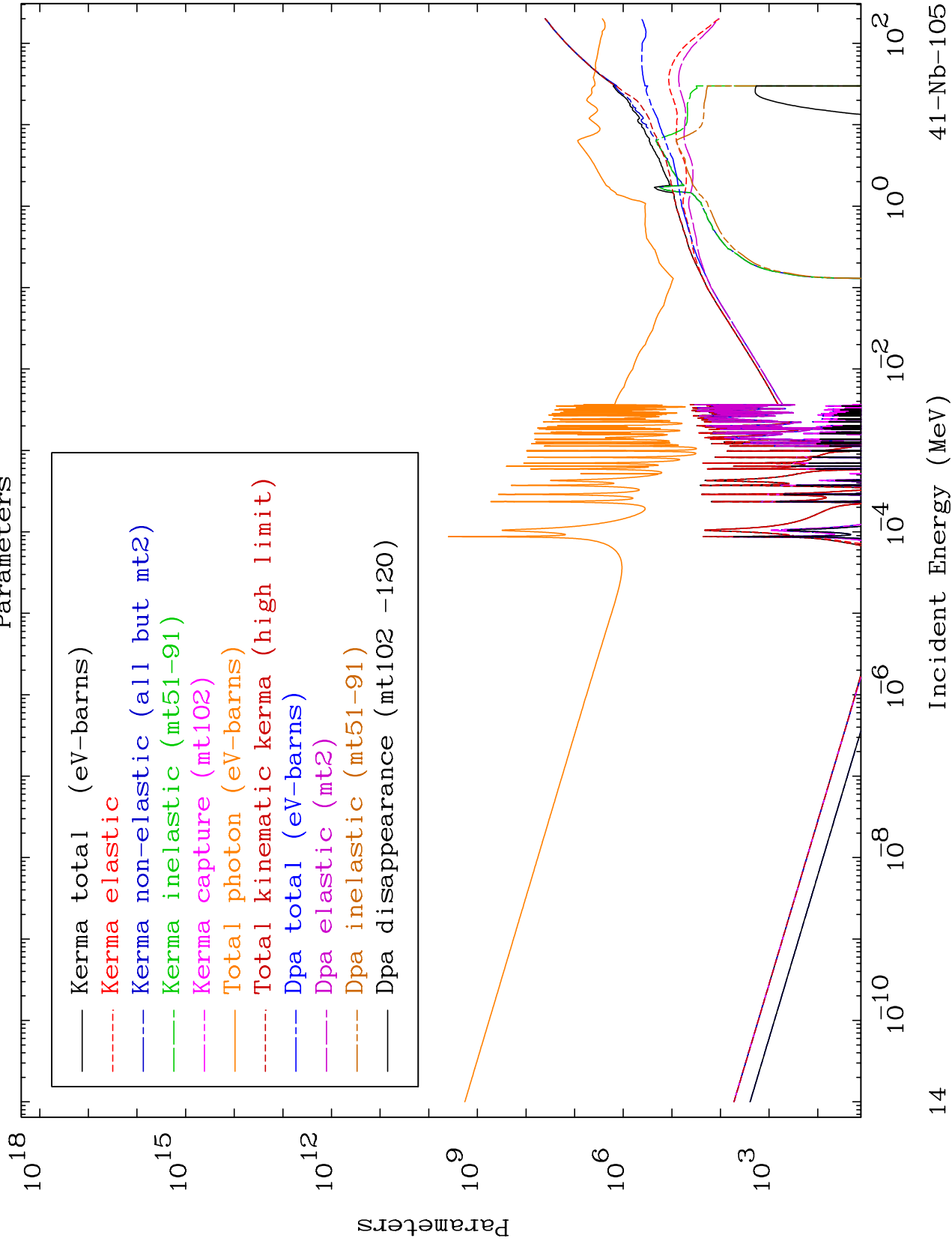
41-Nb-105



13

Incident Energy (MeV)

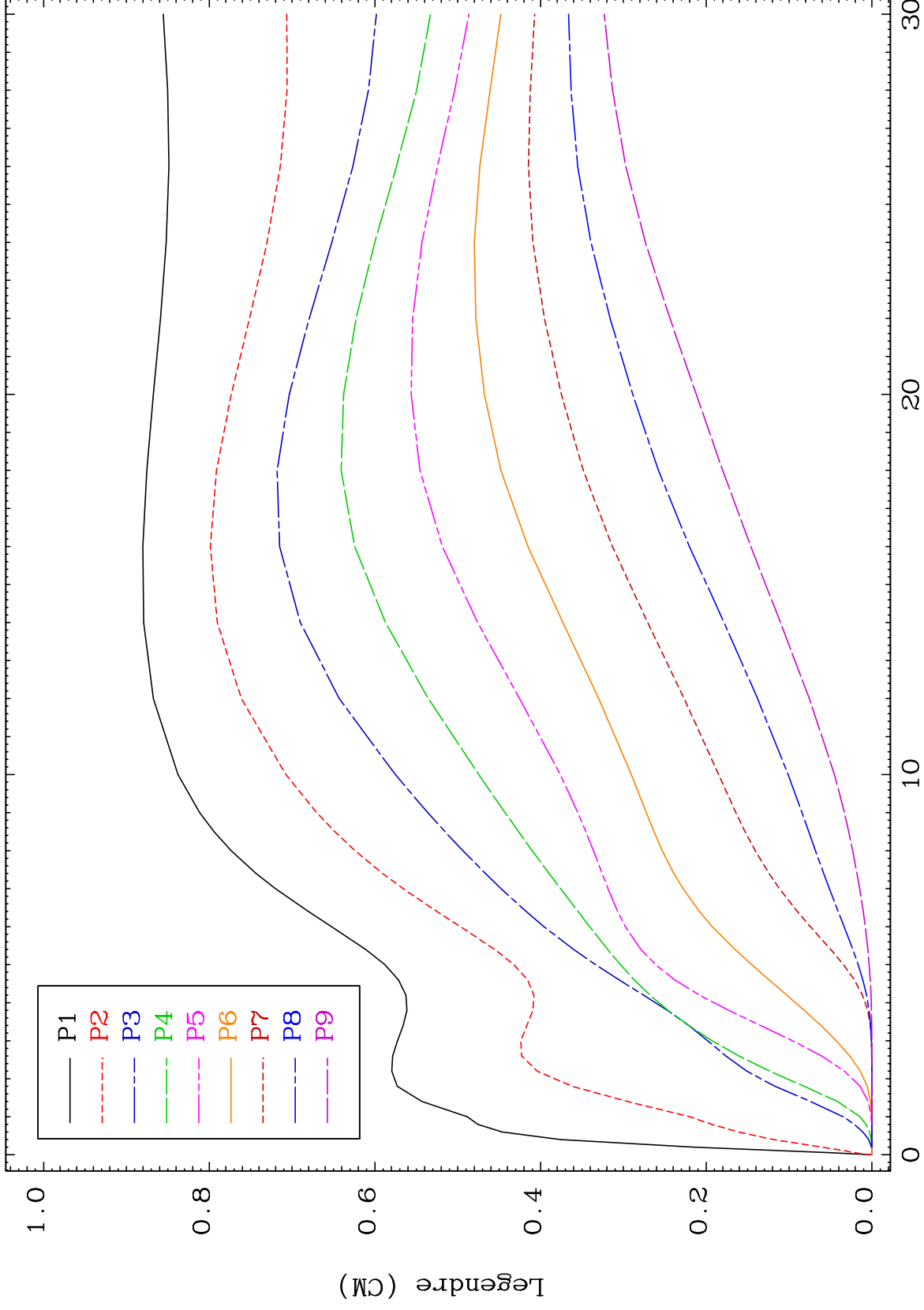
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MAT 4161

Elastic Legendre Coefficients

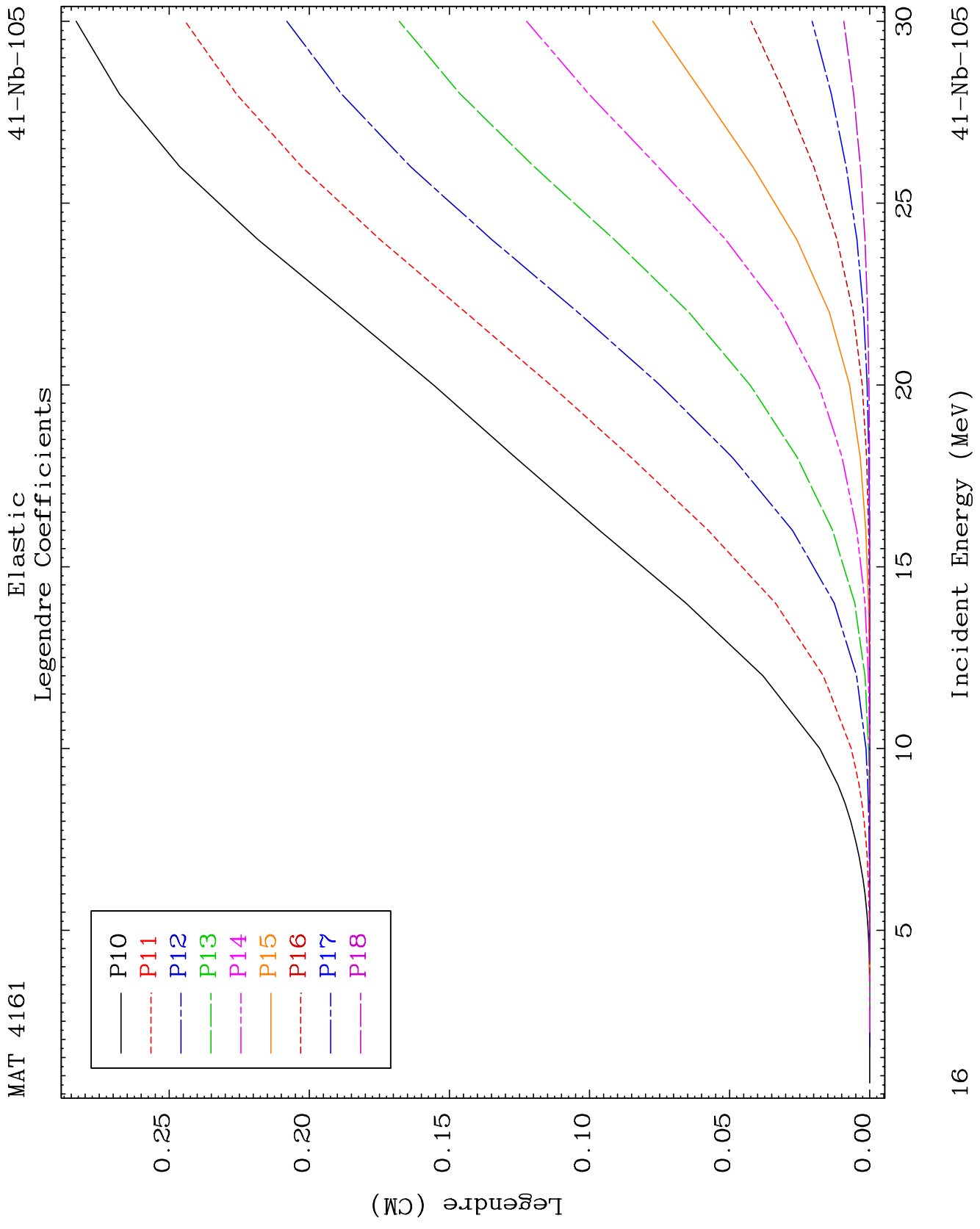
41-Nb-105



15

Incident Energy (MeV)

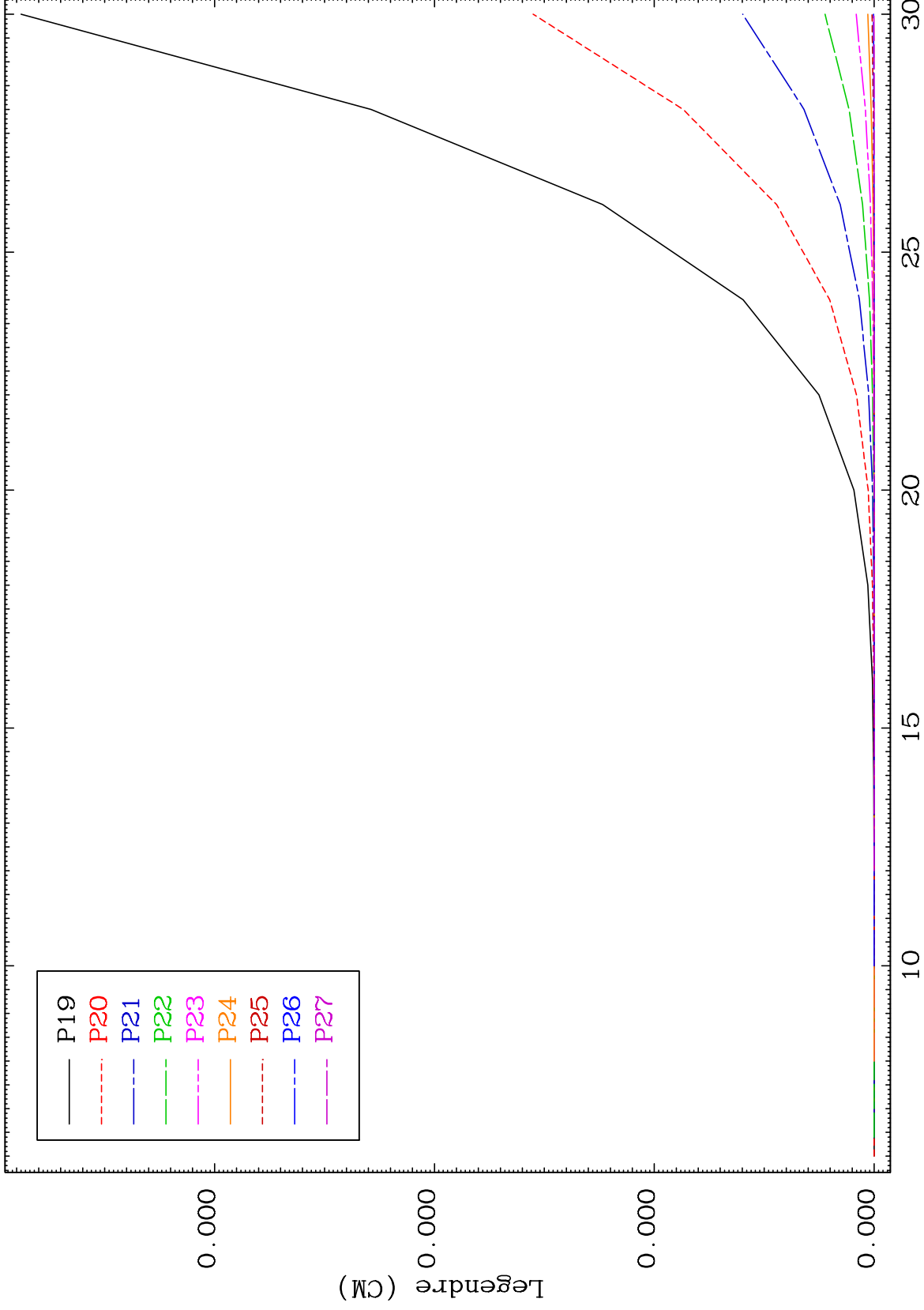
41-Nb-105



MAT 4161

Elastic
Legendre Coefficients

41-Nb-105



17

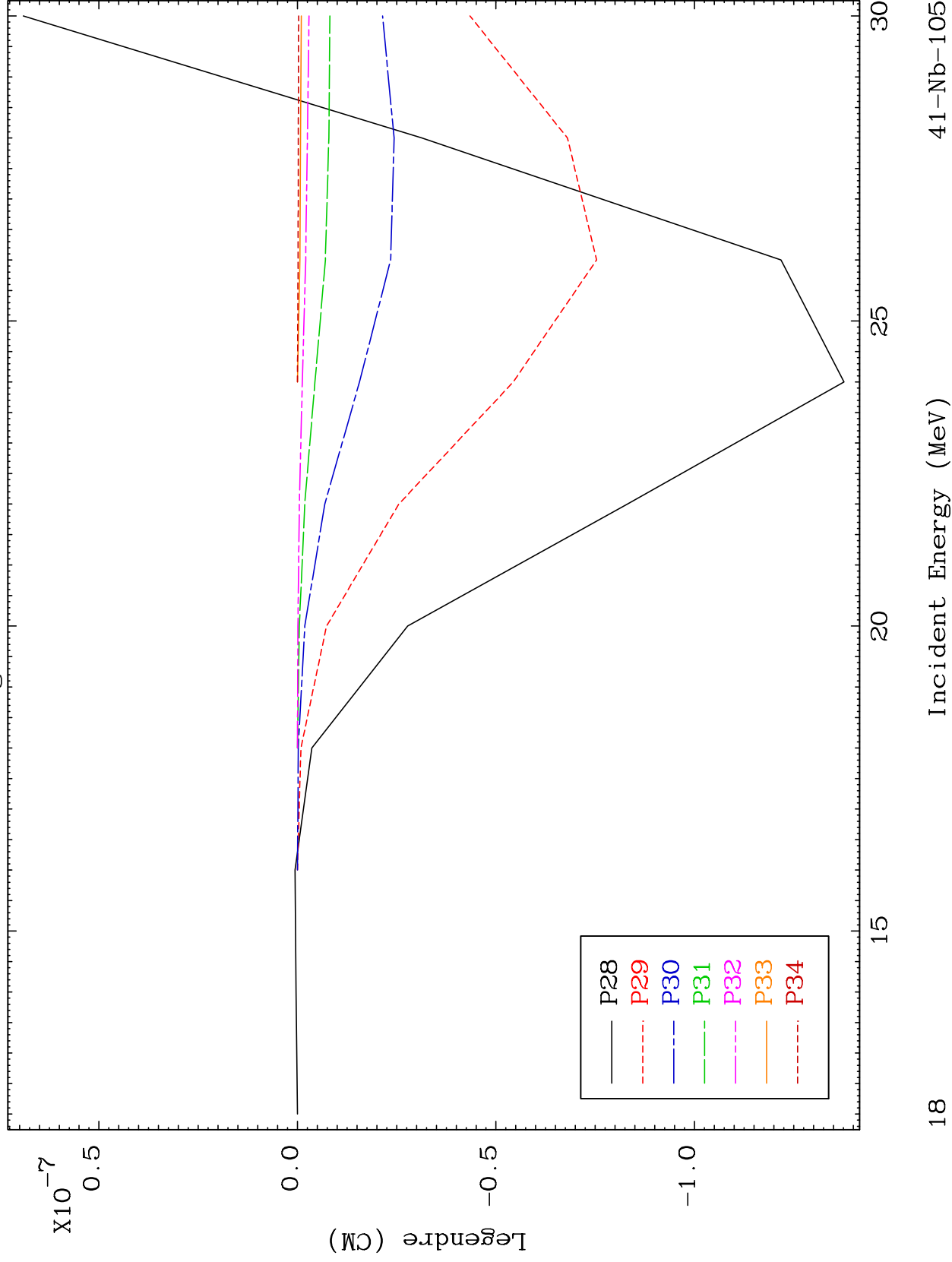
Incident Energy (MeV)

41-Nb-105

MAT 4161

Elastic
Legendre Coefficients

41-Nb-105



18

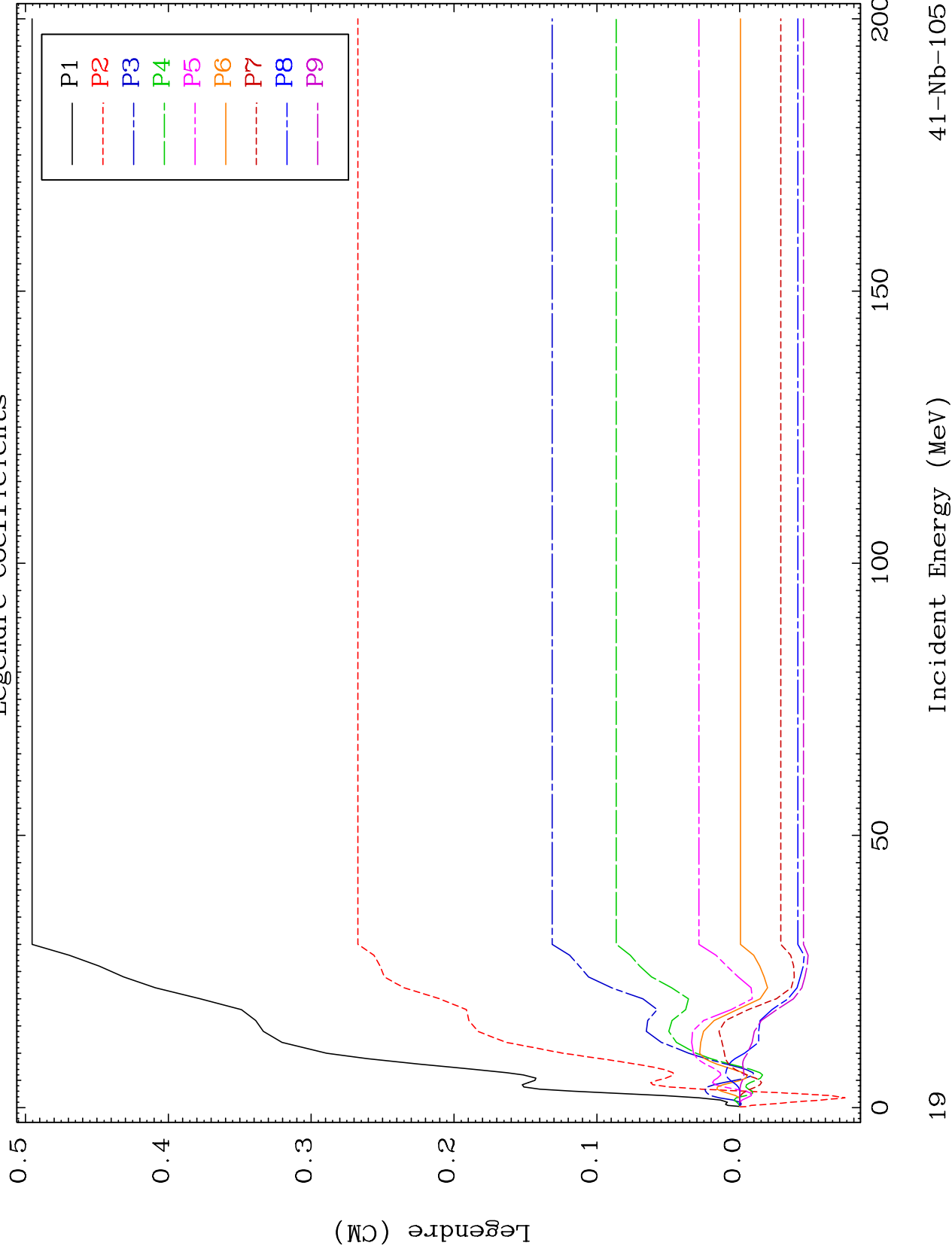
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

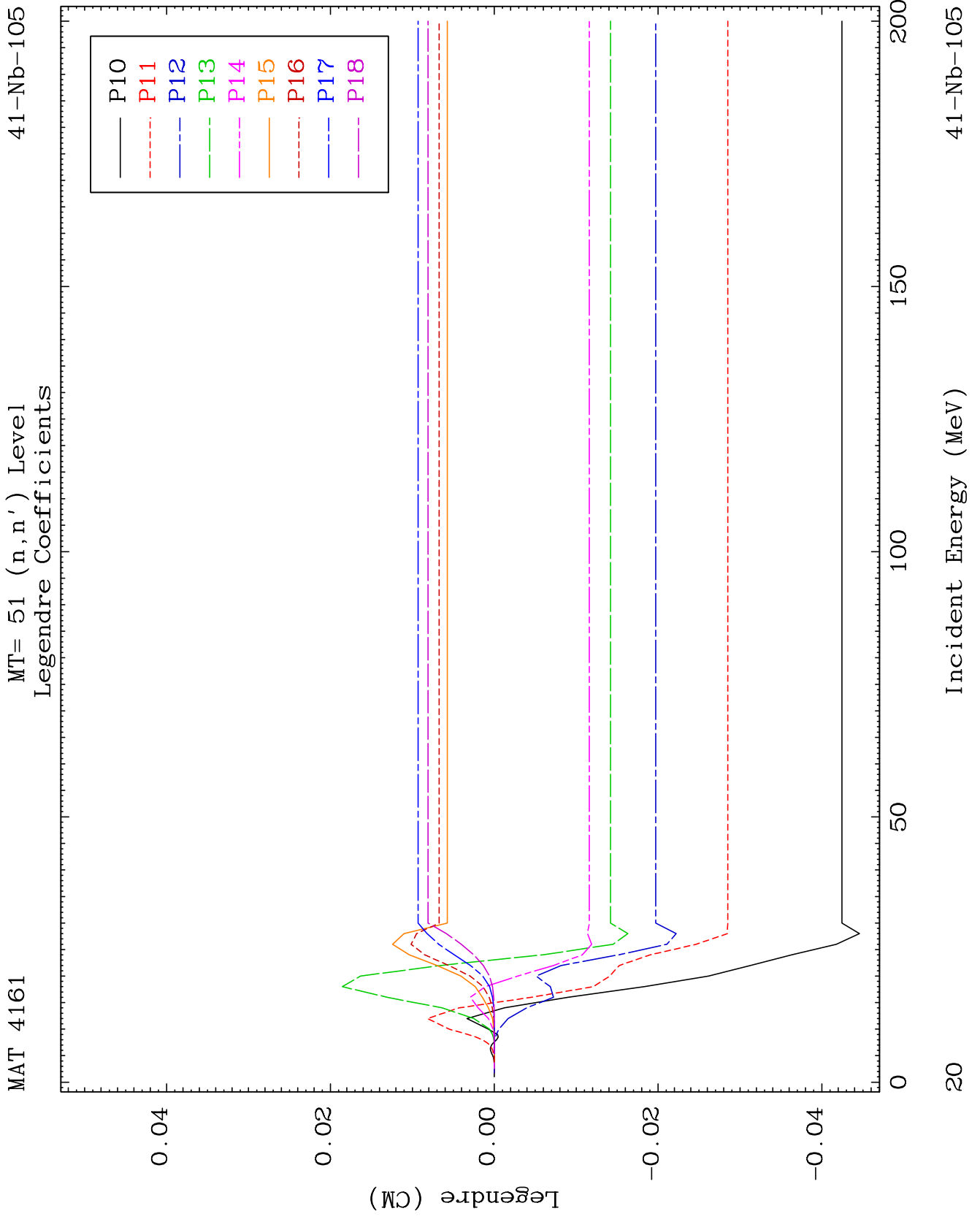
41-Nb-105



19

Incident Energy (MeV)

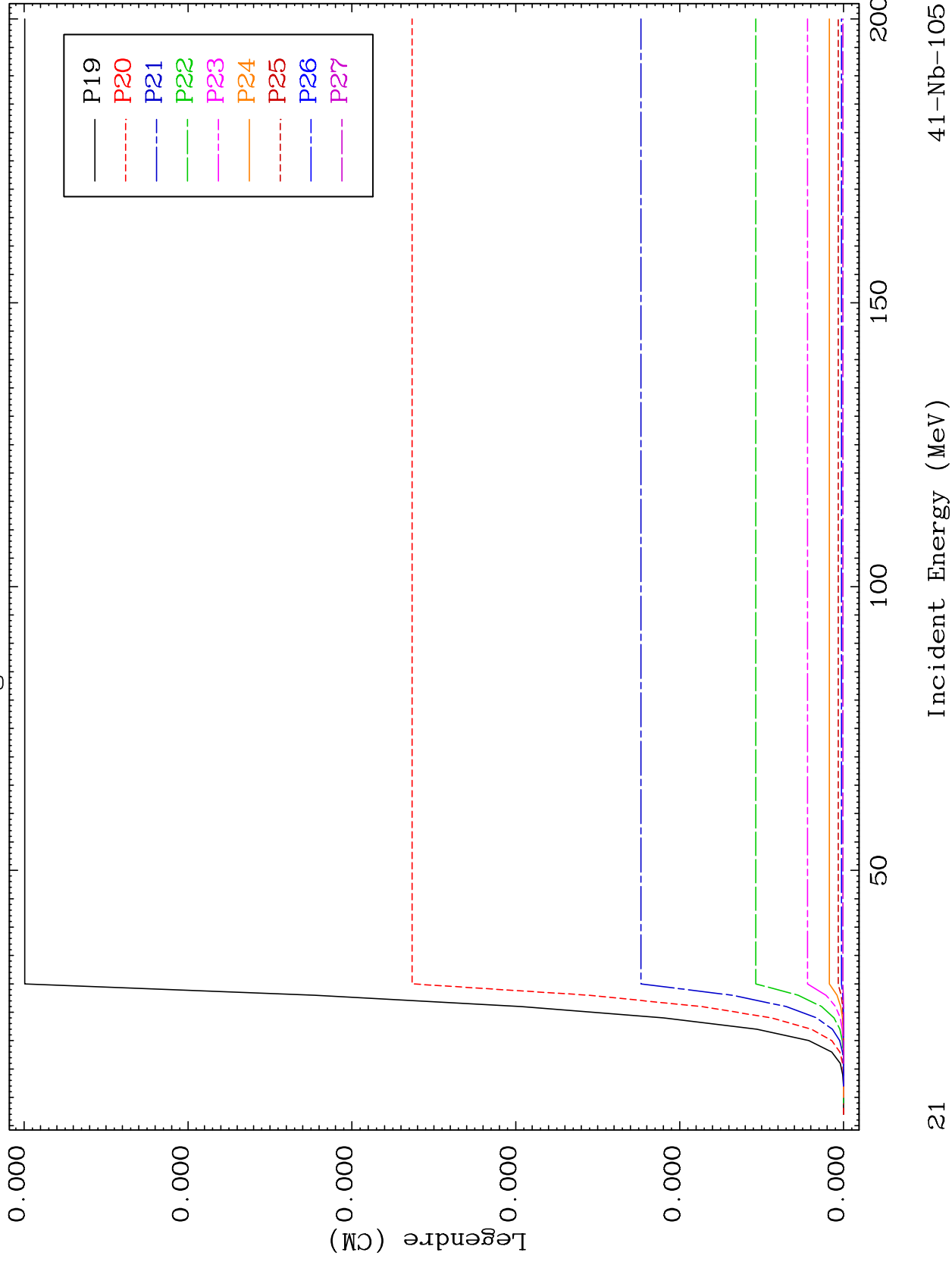
41-Nb-105



MAT 4161

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

41-Nb-105



21

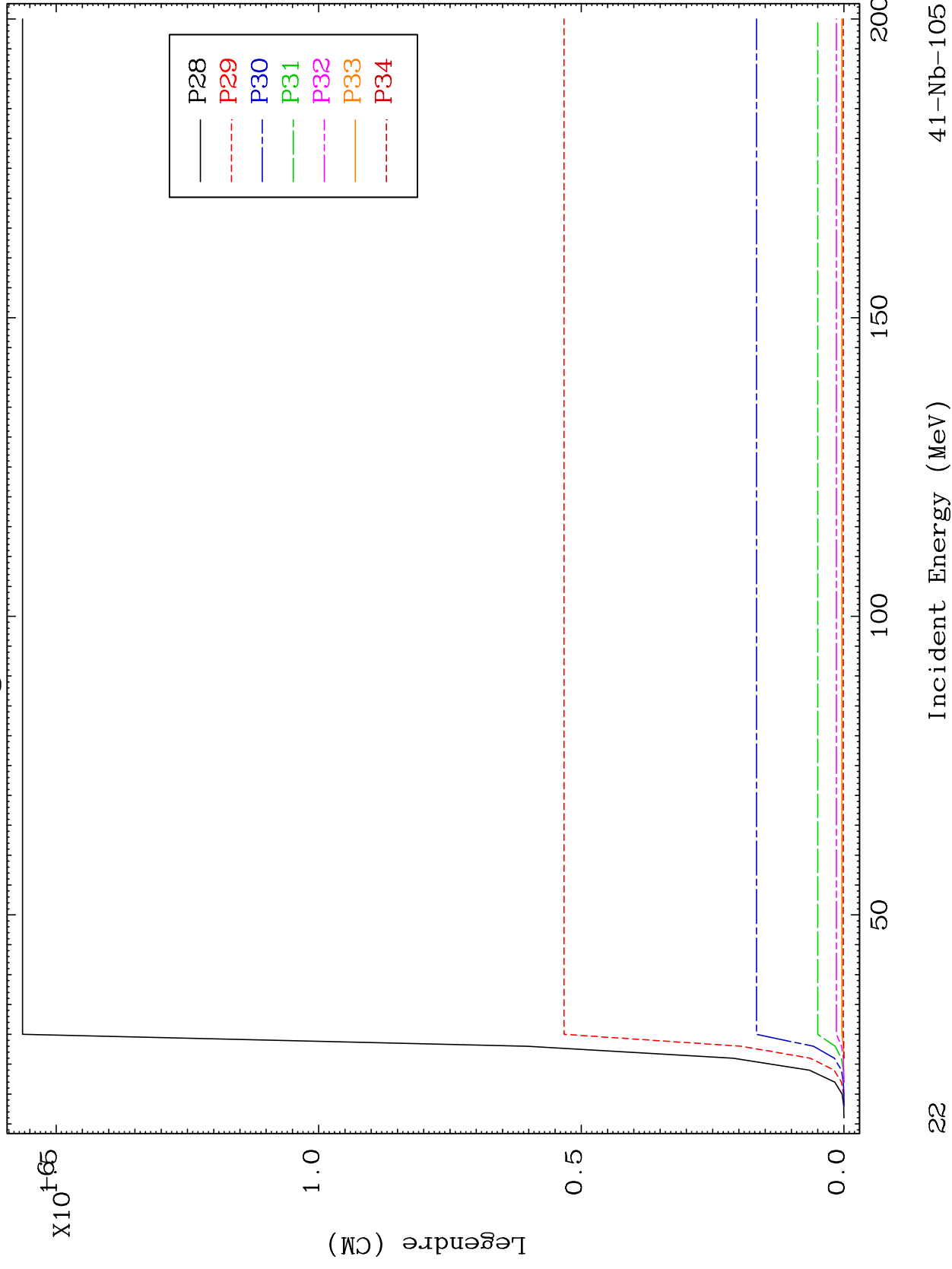
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105

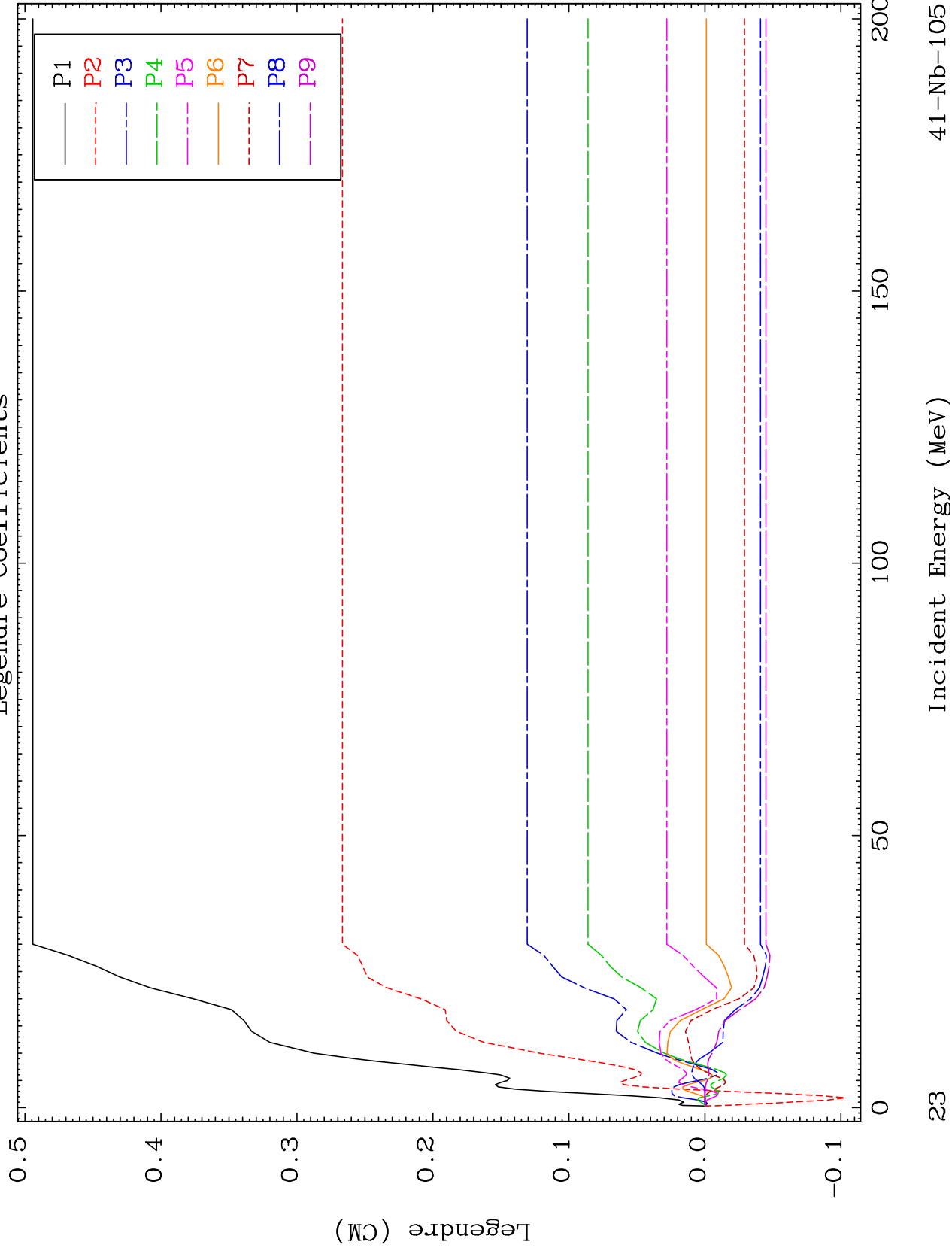


22

MAT 4161

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

41-Nb-105



41-Nb-105

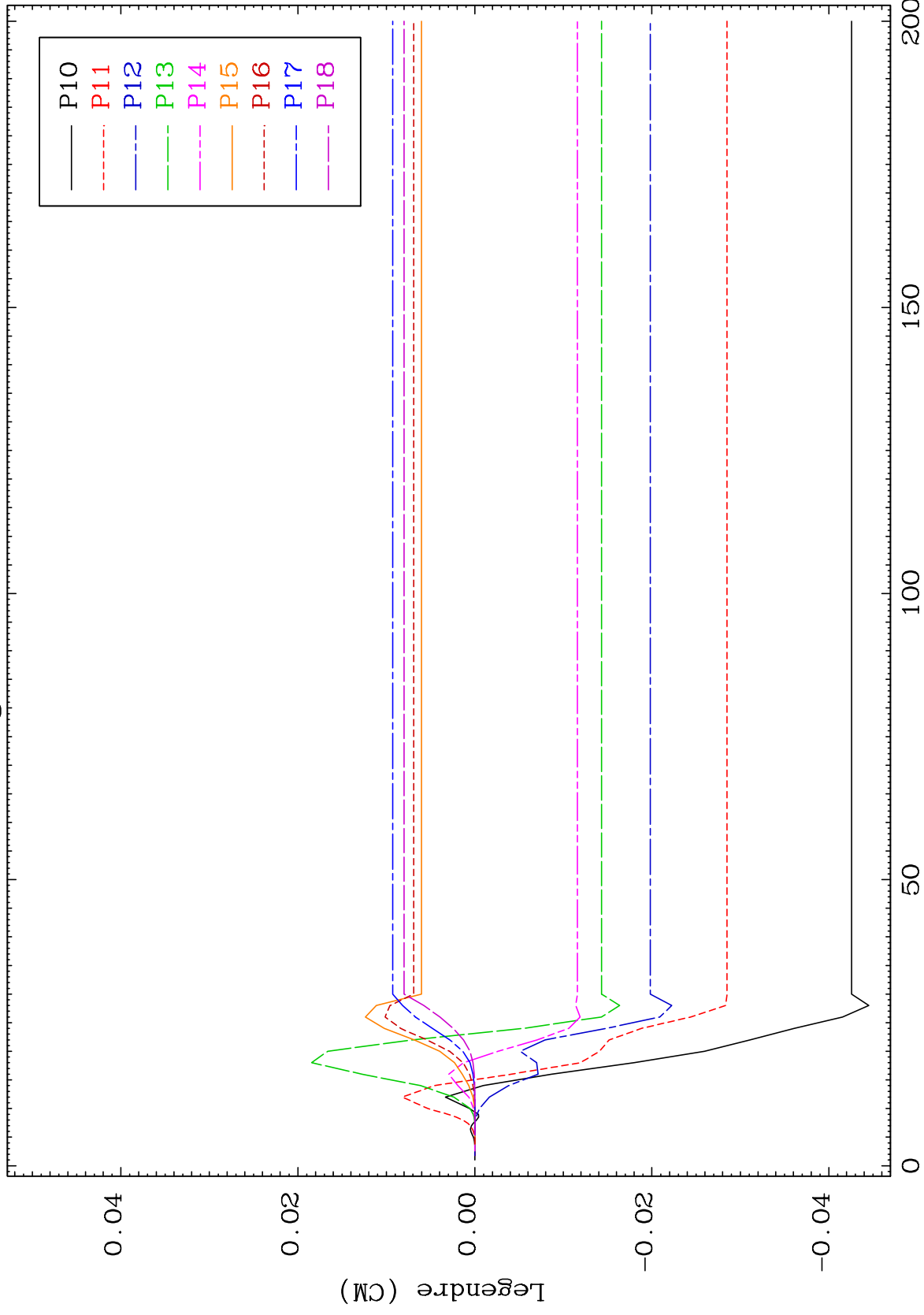
Incident Energy (MeV)

23

MAT 4161

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

41-Nb-105



24

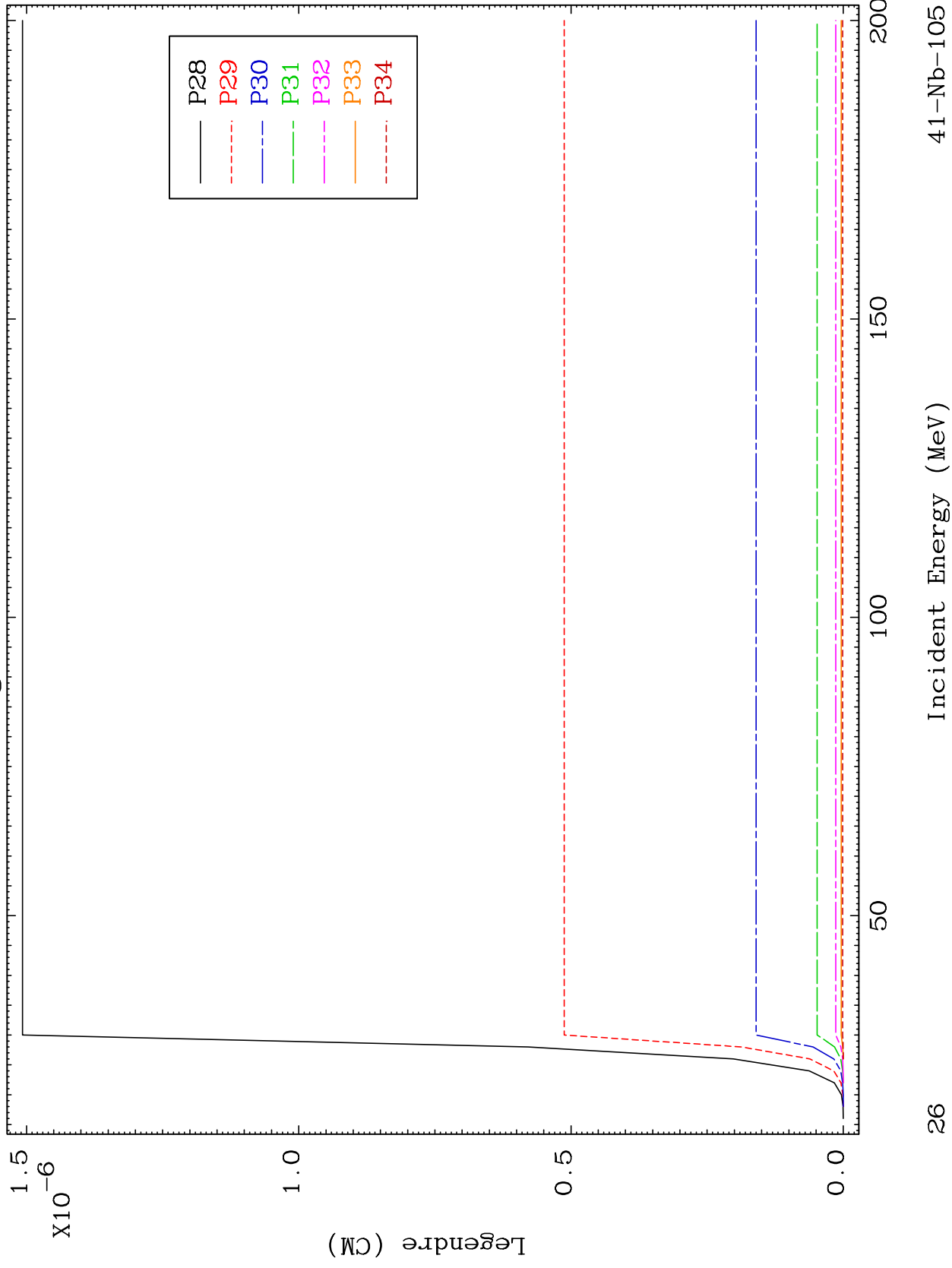
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



26

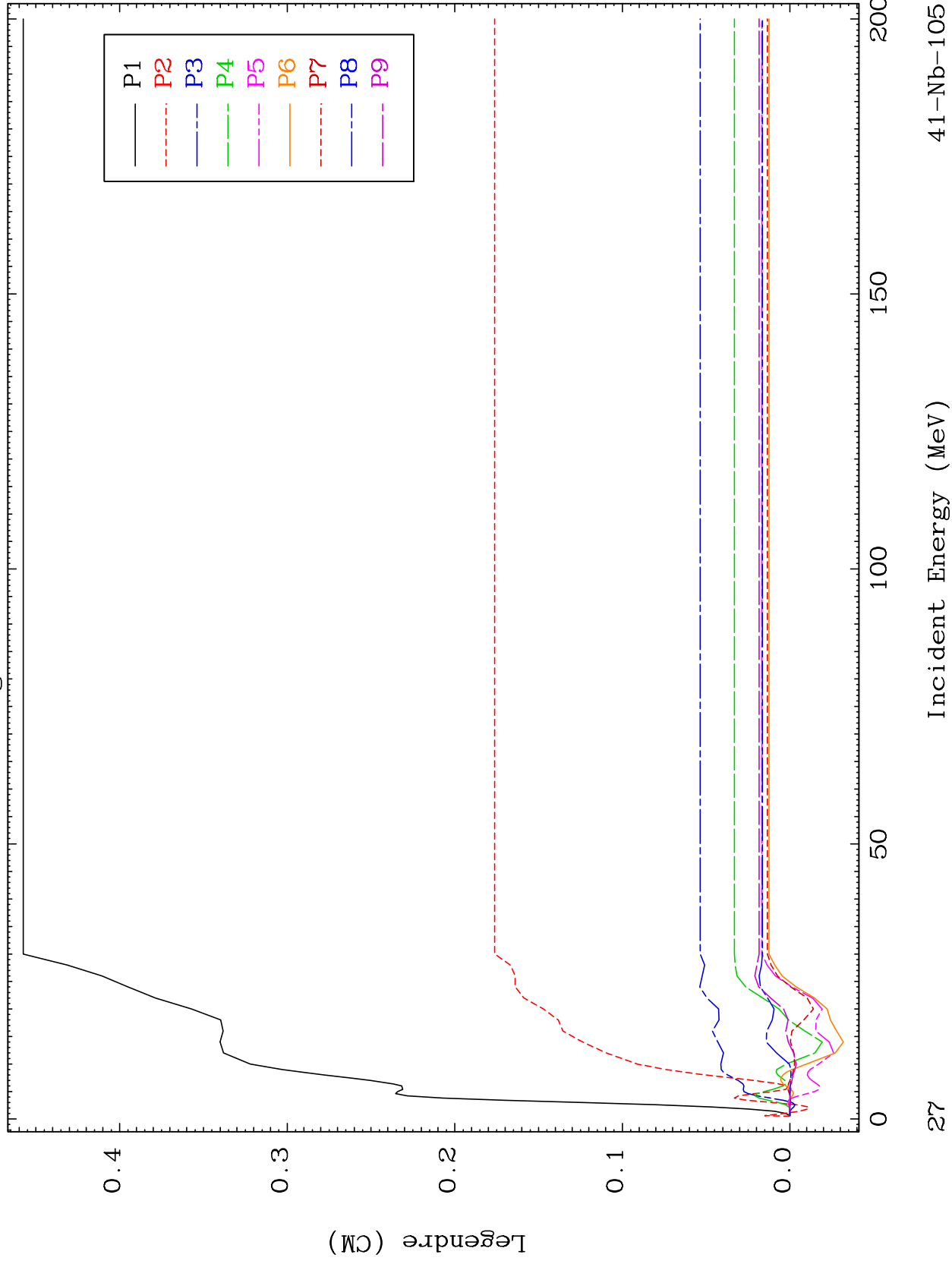
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



27

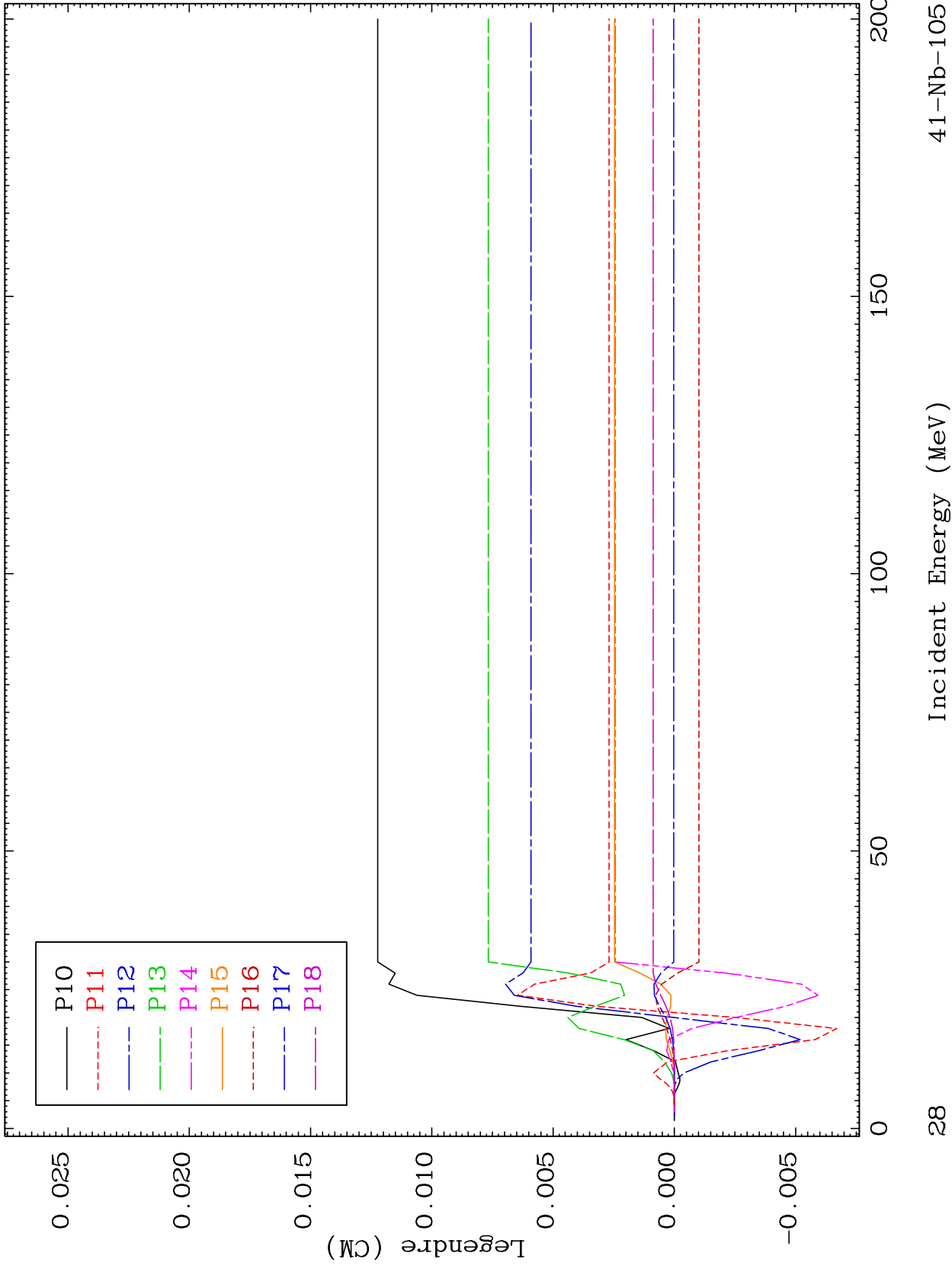
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

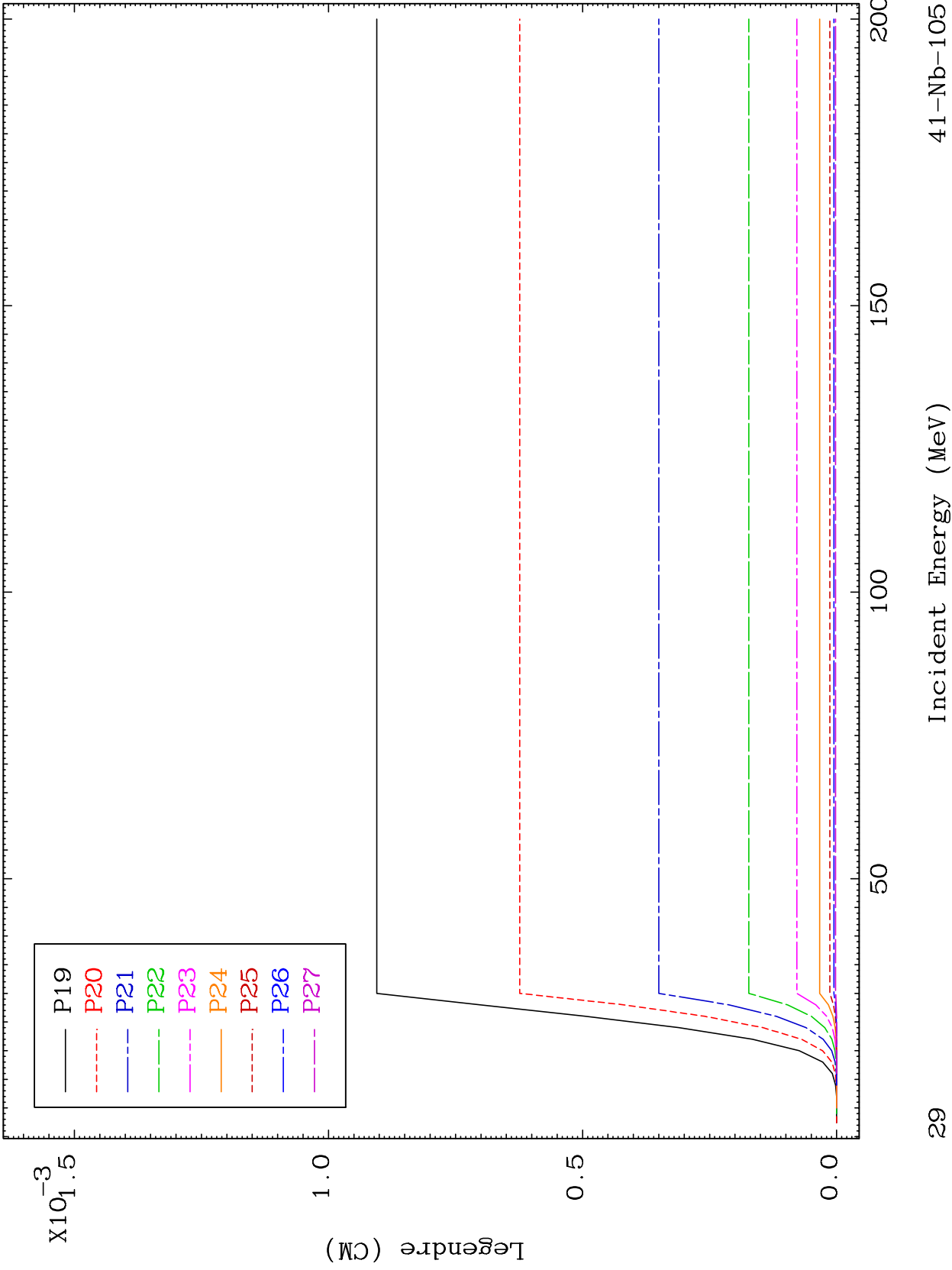
41-Nb-105



28

Incident Energy (MeV)

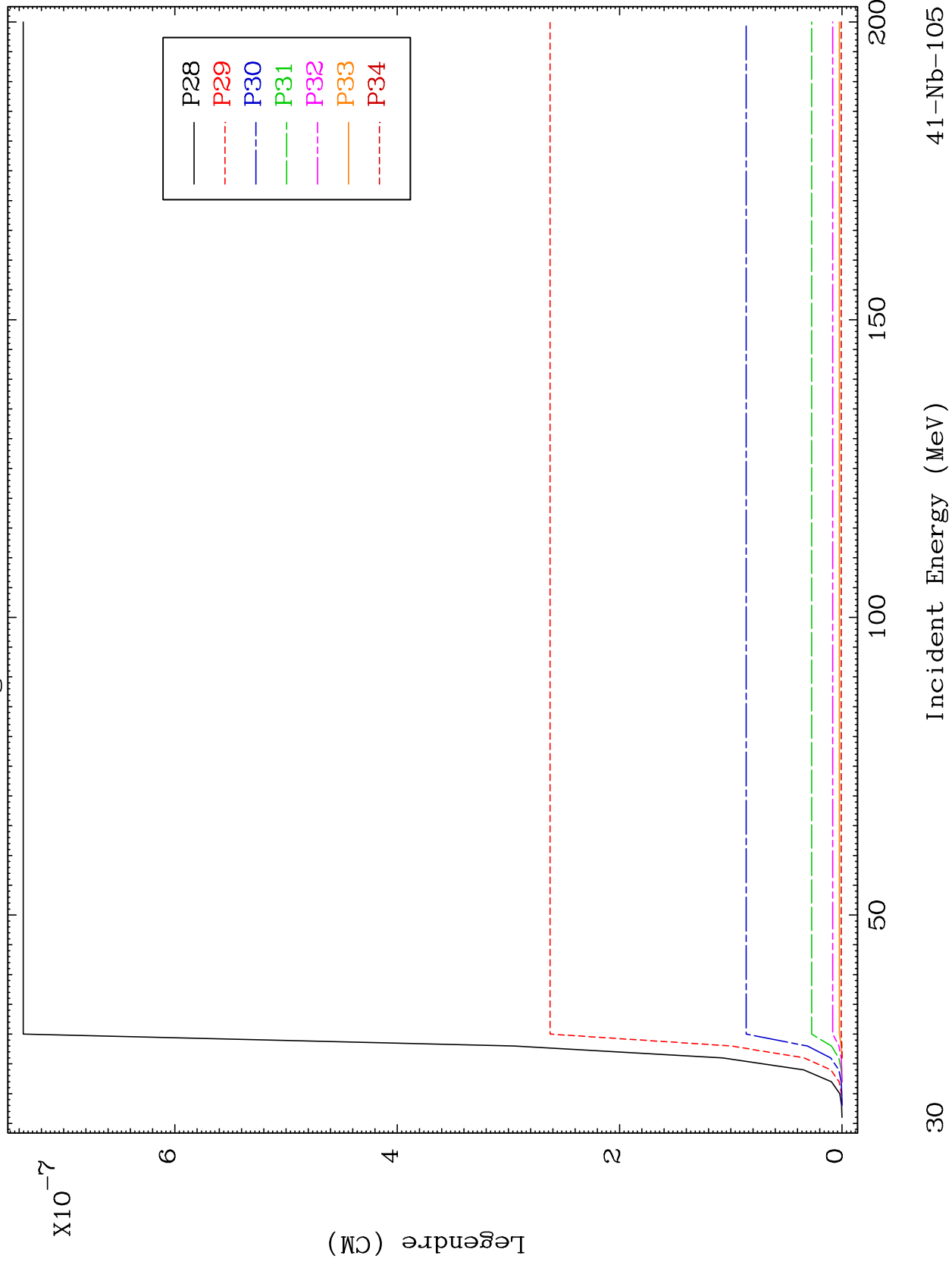
41-Nb-105



MAT 4161

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

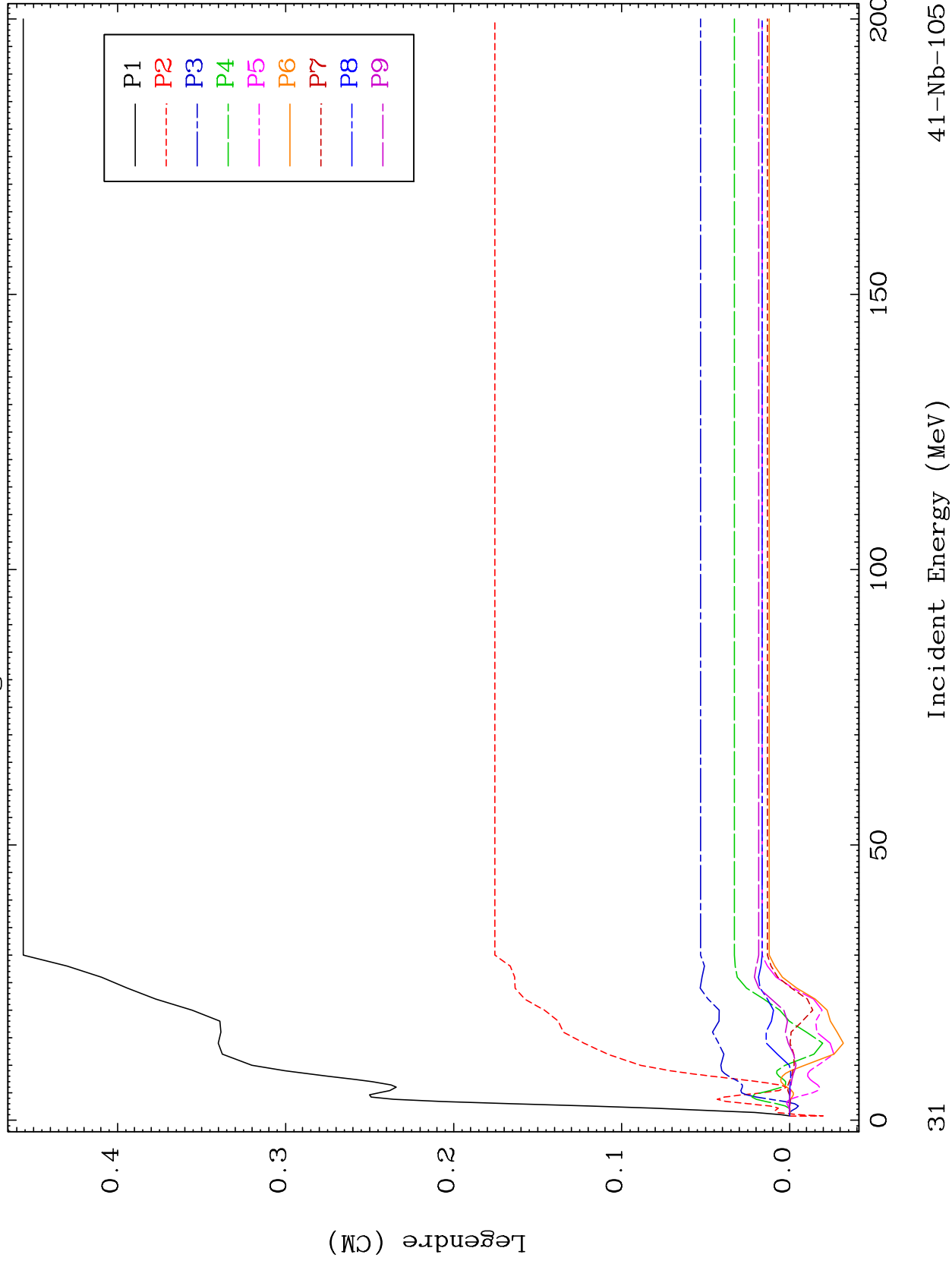
41-Nb-105



MAT 4161

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

41-Nb-105



31

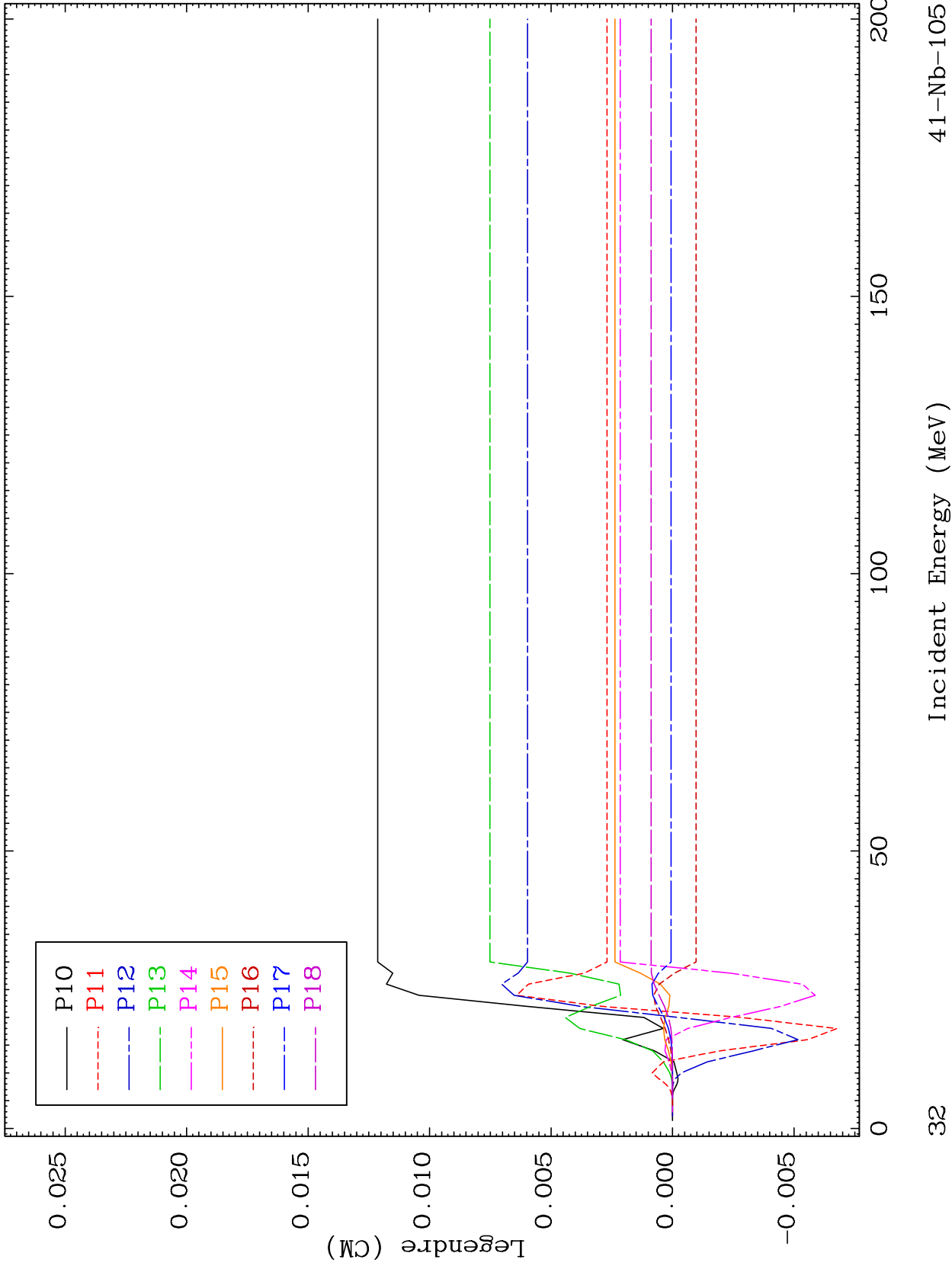
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



32

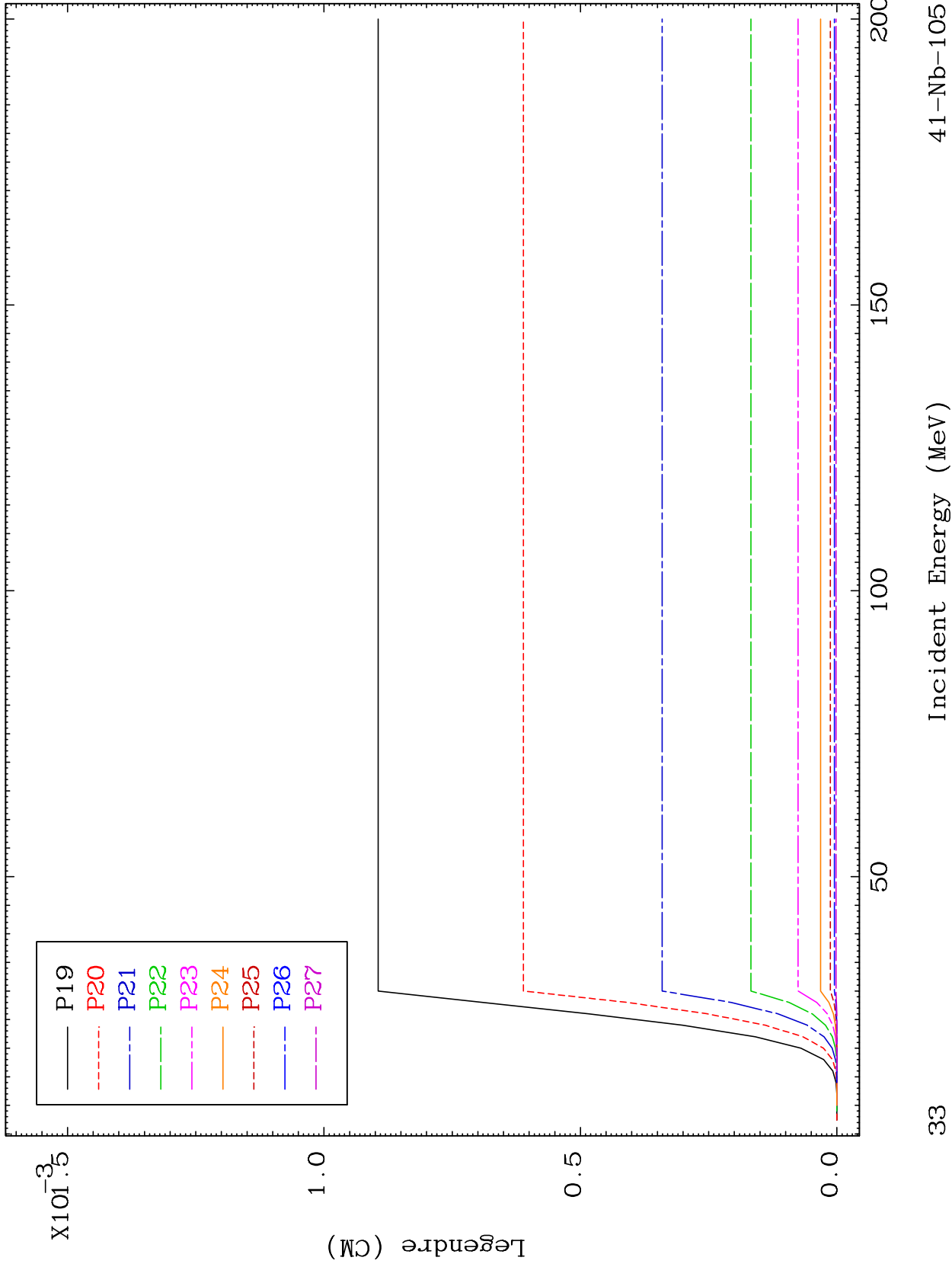
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

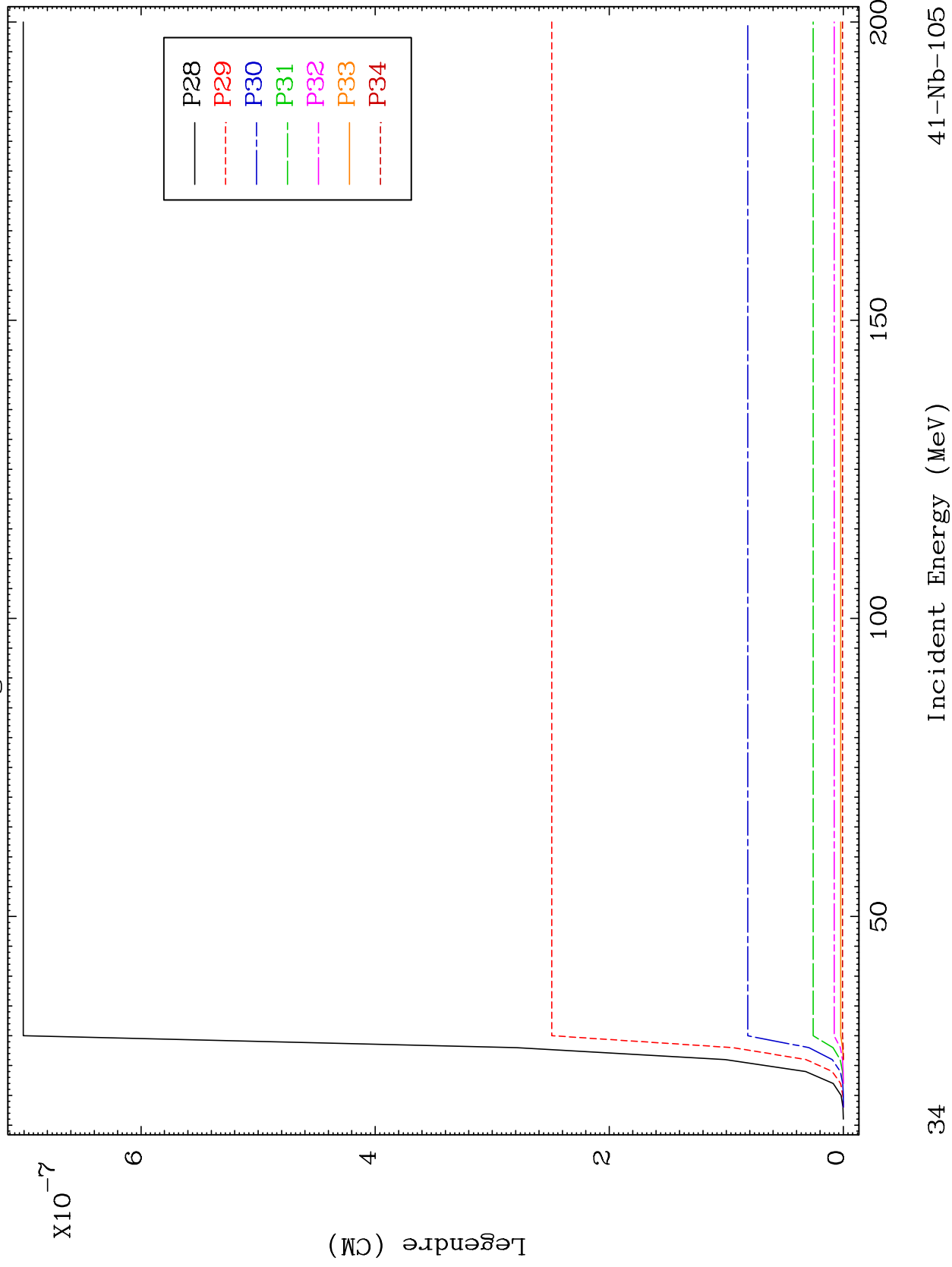
41-Nb-105



MAT 4161

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

41-Nb-105



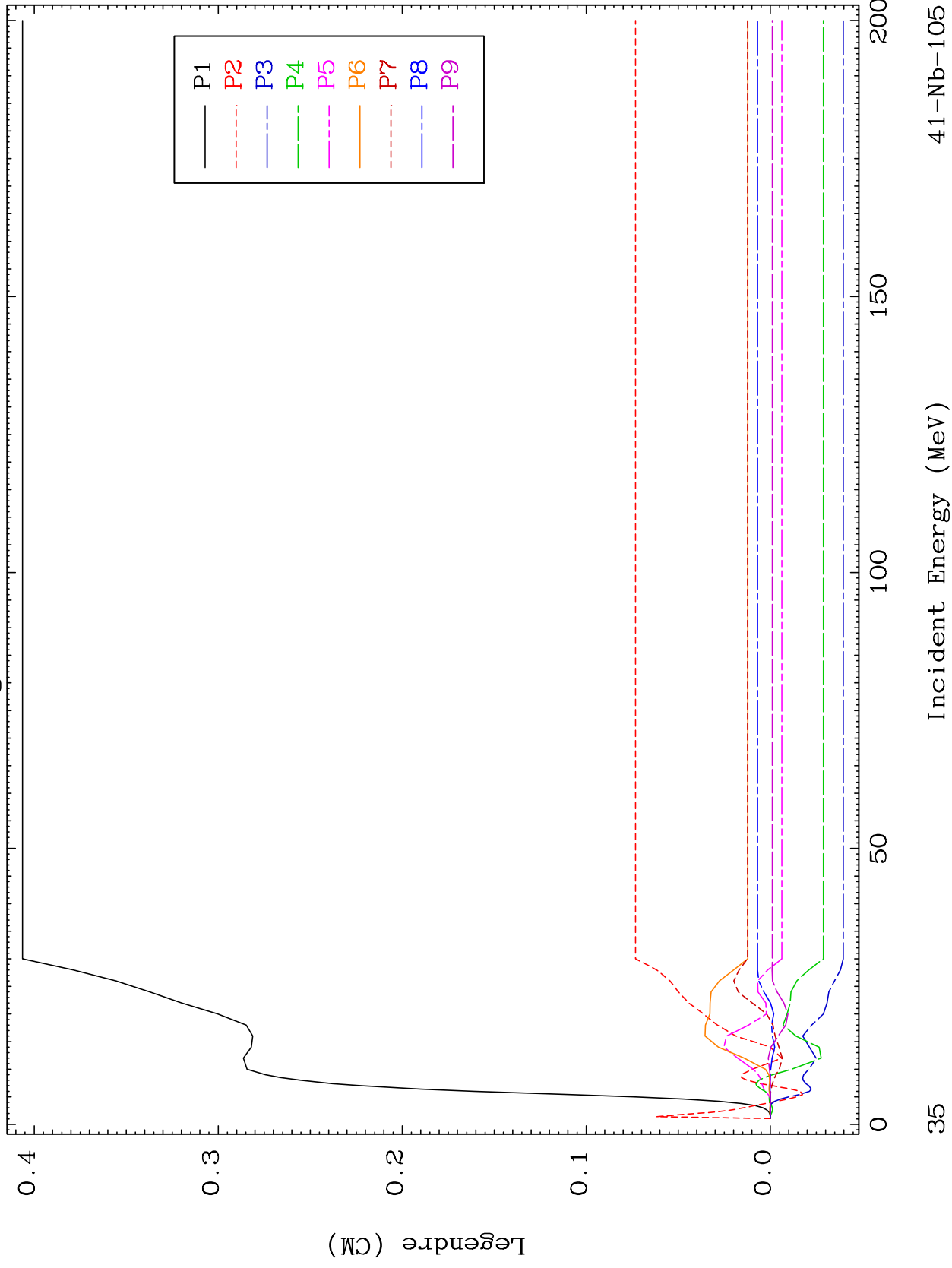
34

41-Nb-105

MAT 4161

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

41-Nb-105



41-Nb-105

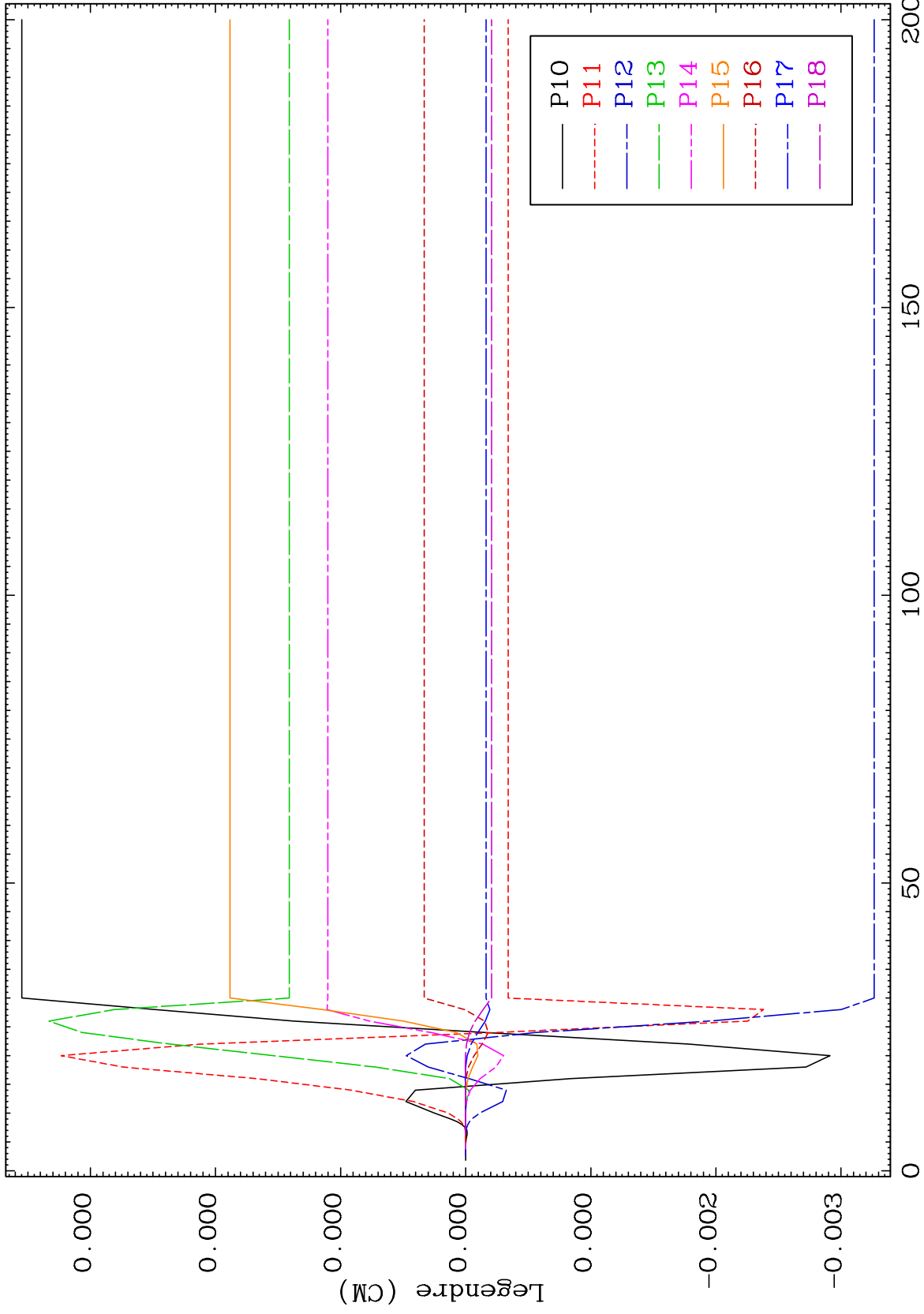
Incident Energy (MeV)

35

MAT 4161

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

41-Nb-105



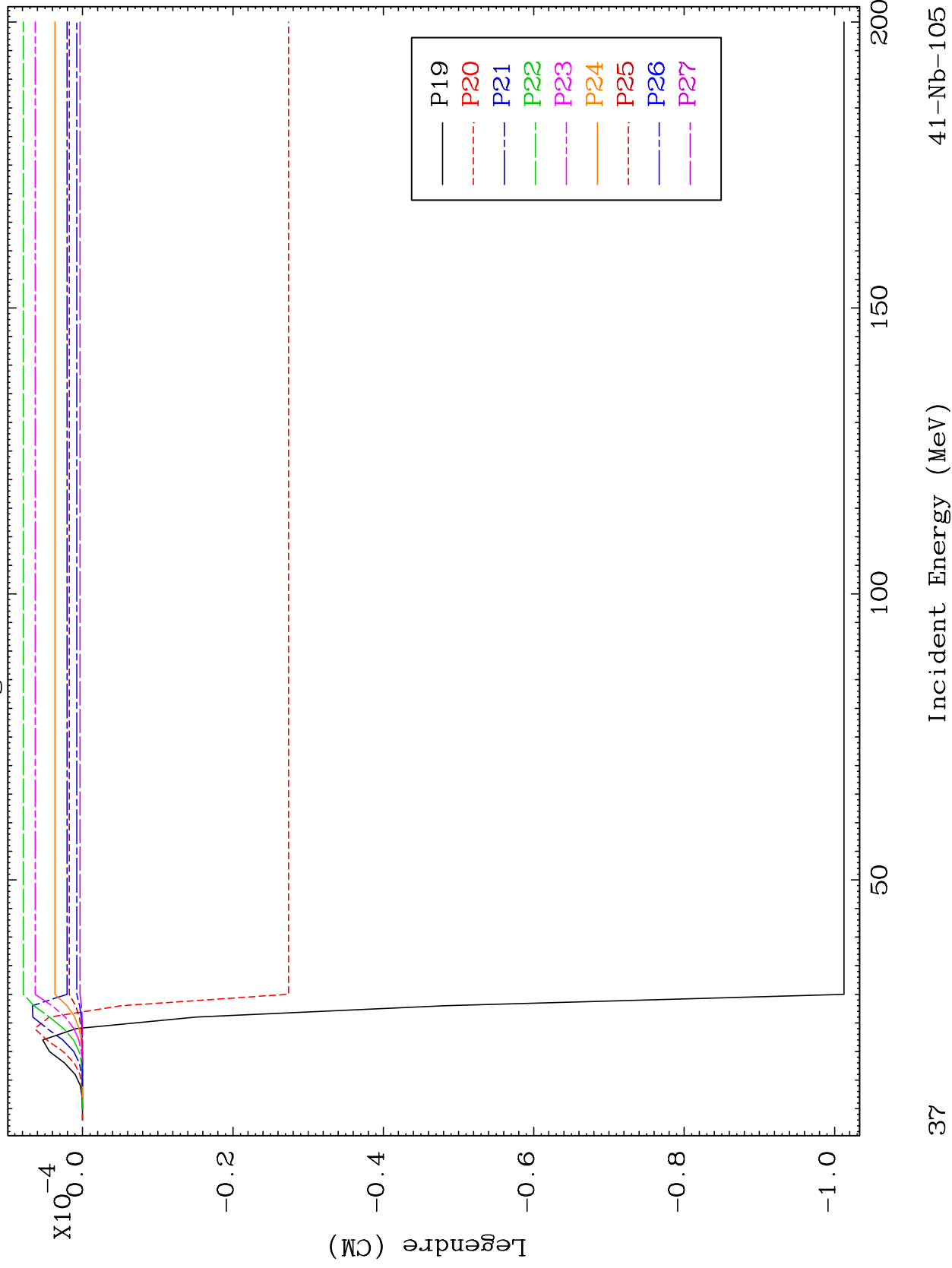
36

41-Nb-105

MAT 4161

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

41-Nb-105



37

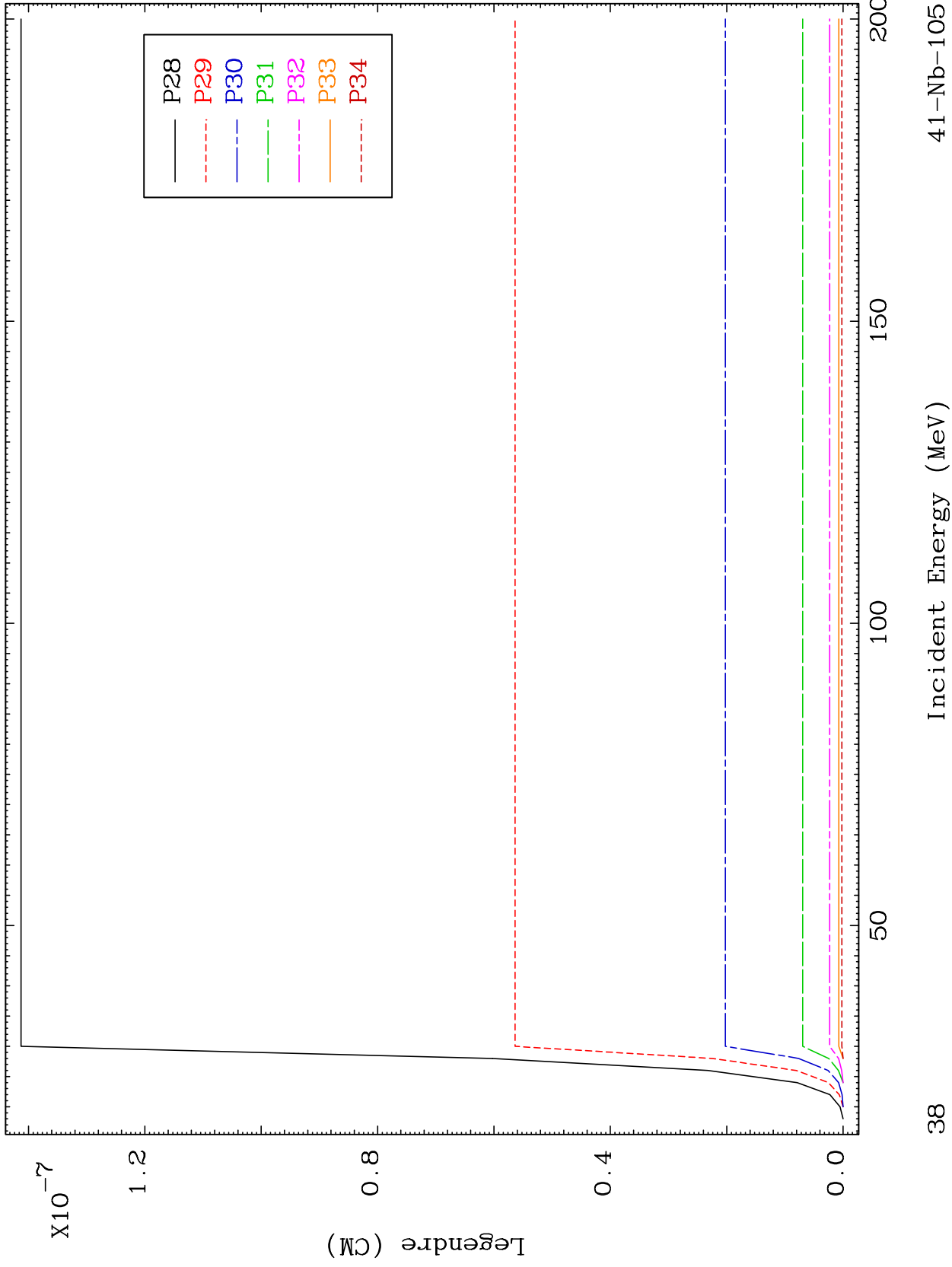
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



38

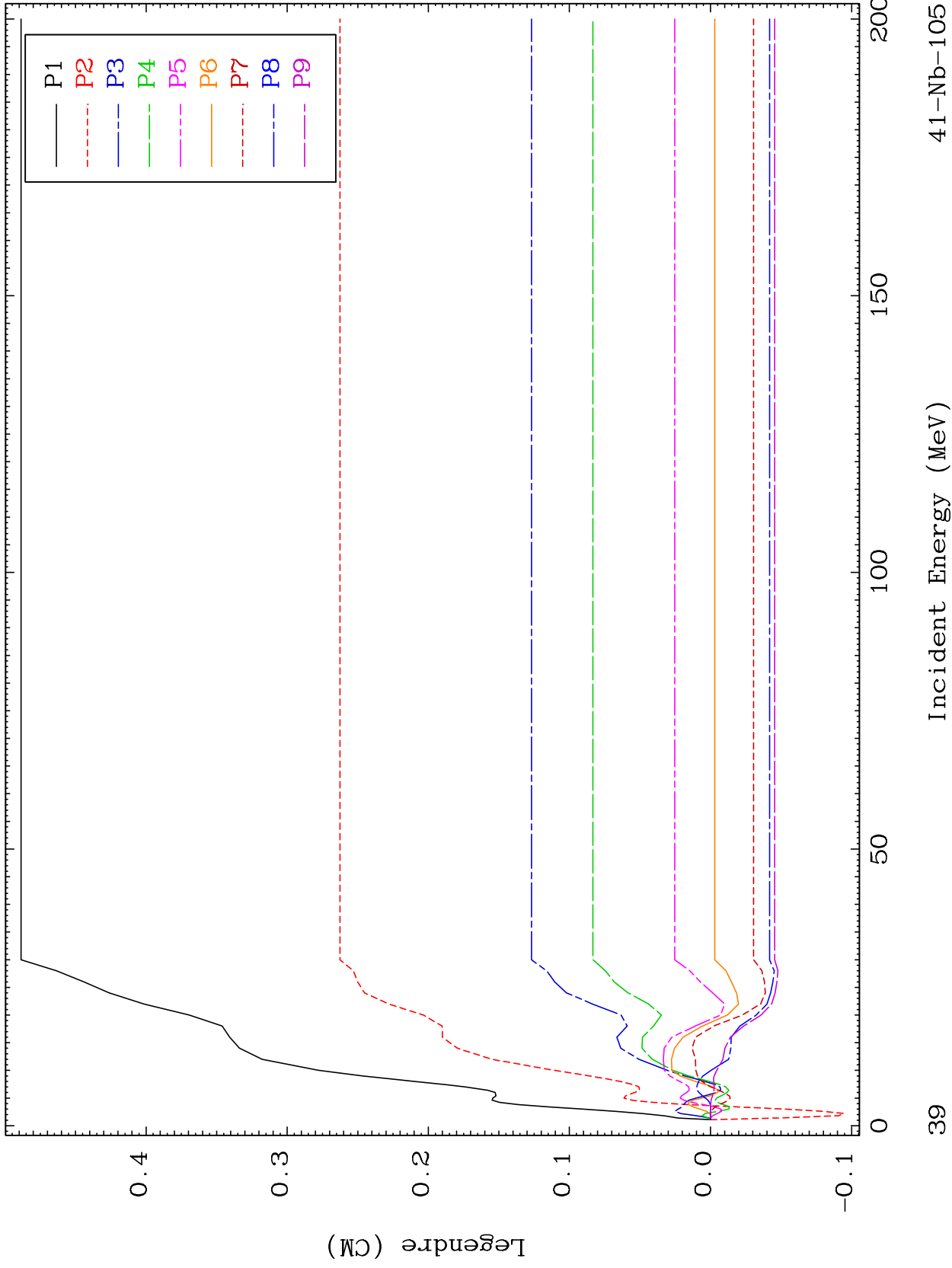
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



39

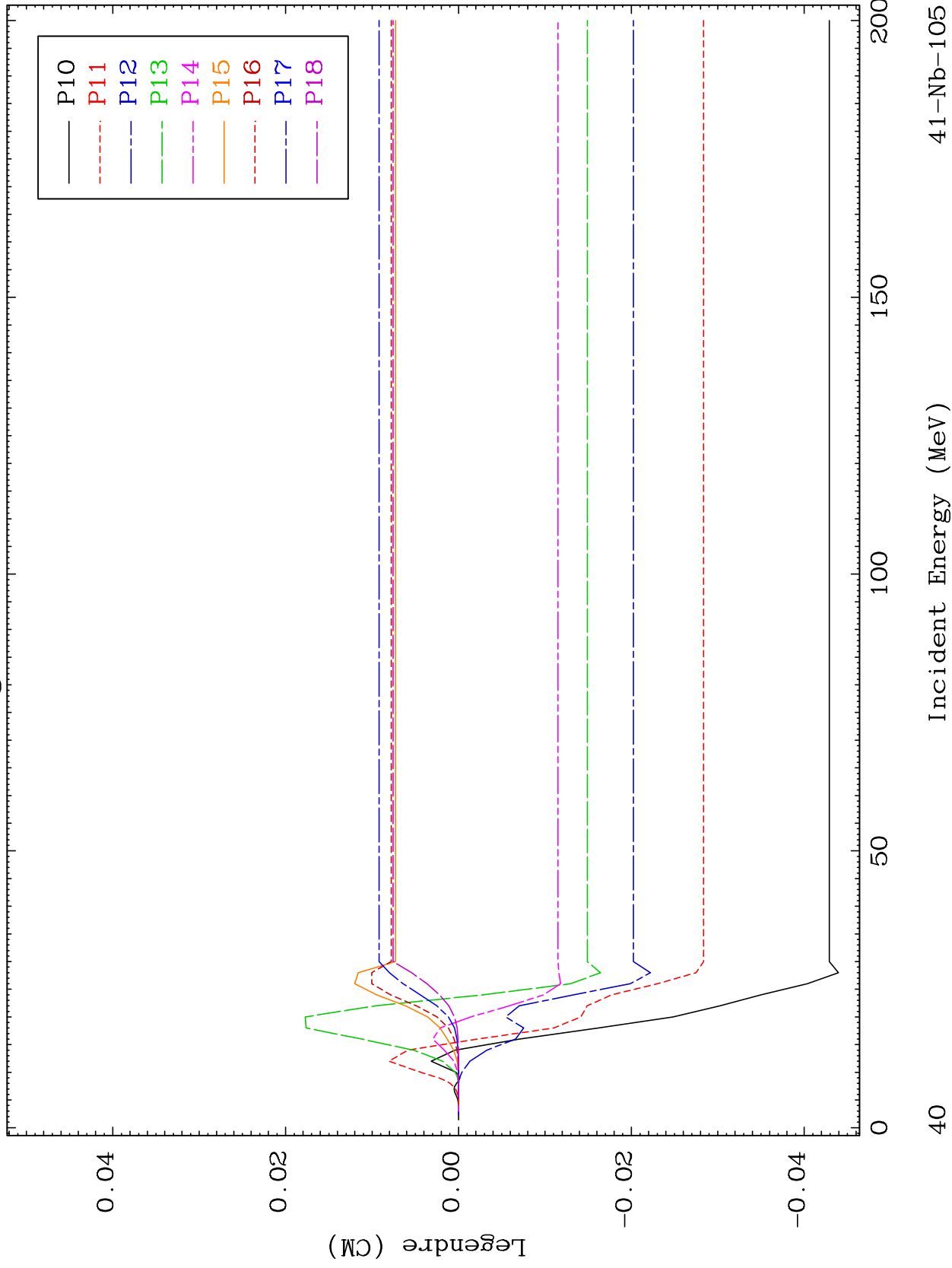
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

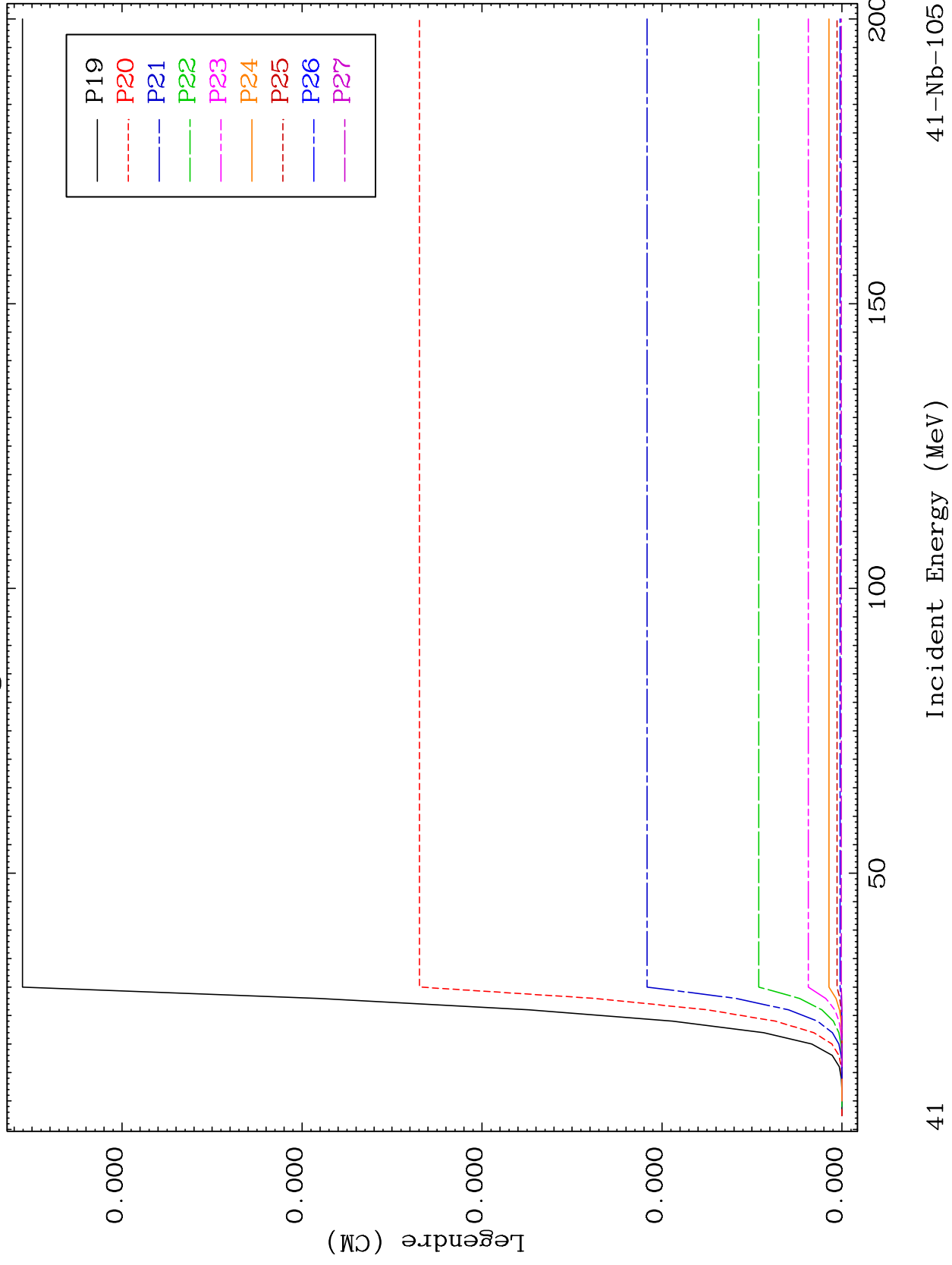
41-Nb-105



MAT 4161

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

41-Nb-105



41

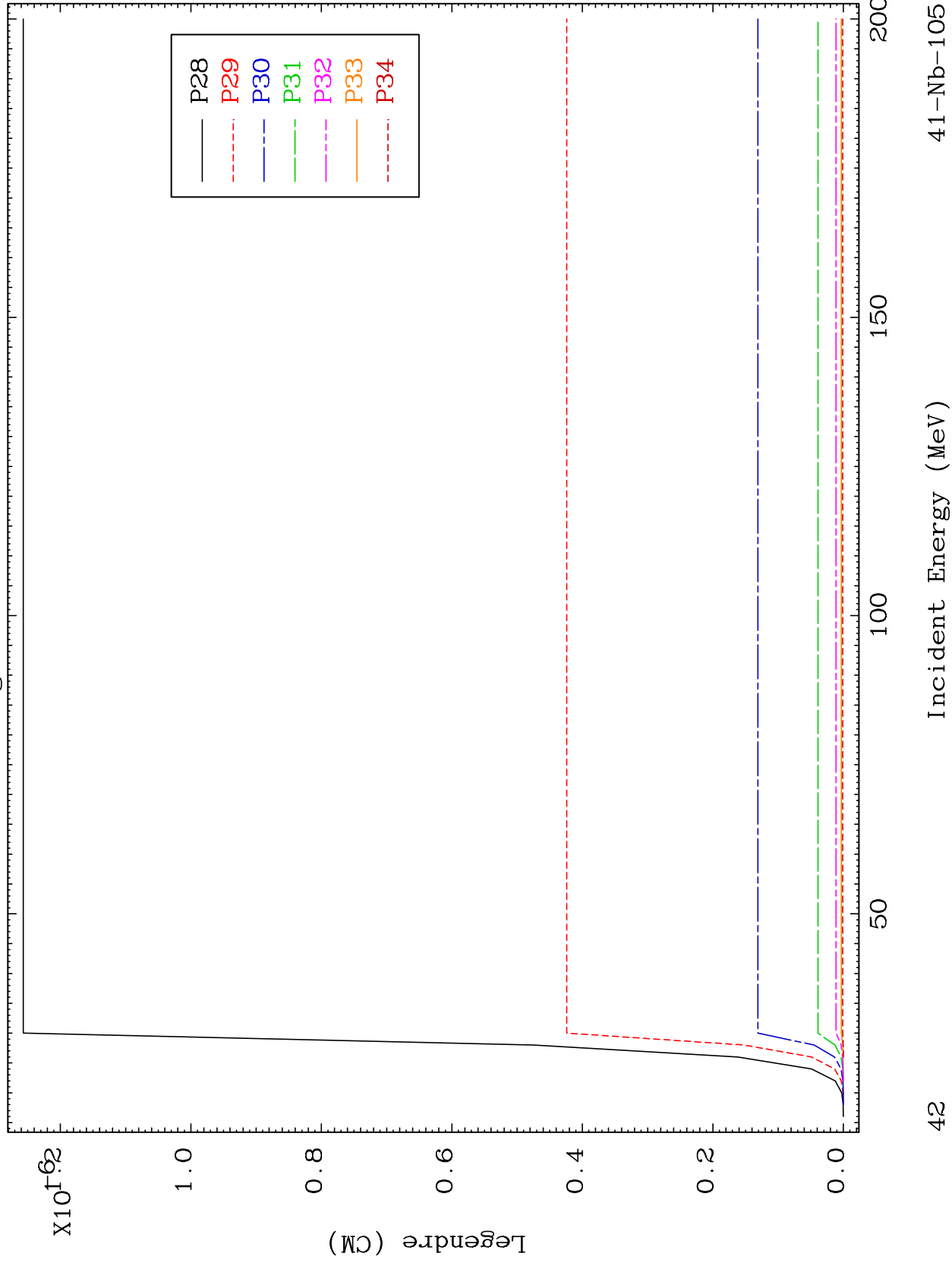
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105

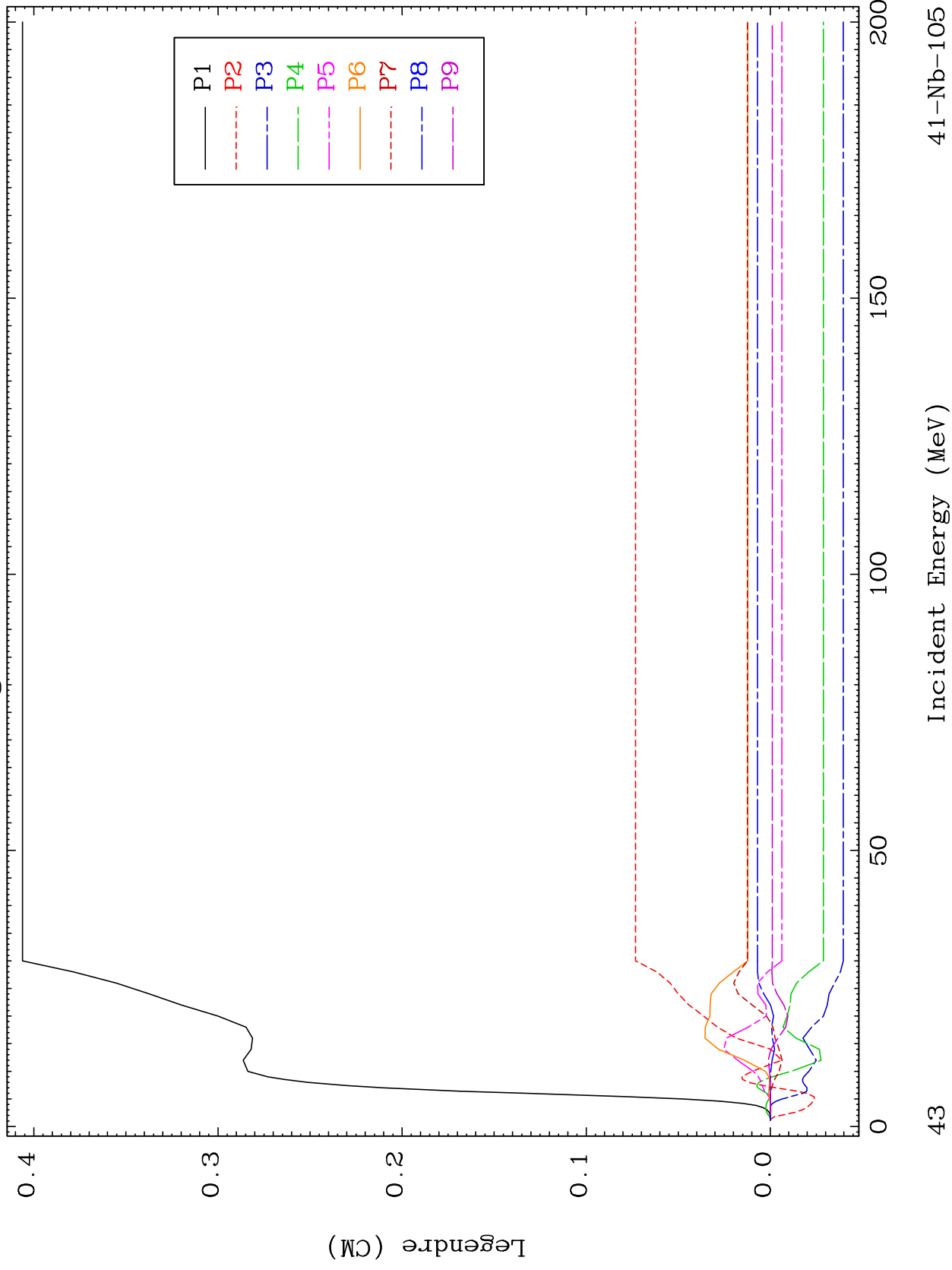


42

MAT 4161

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

41-Nb-105



41-Nb-105

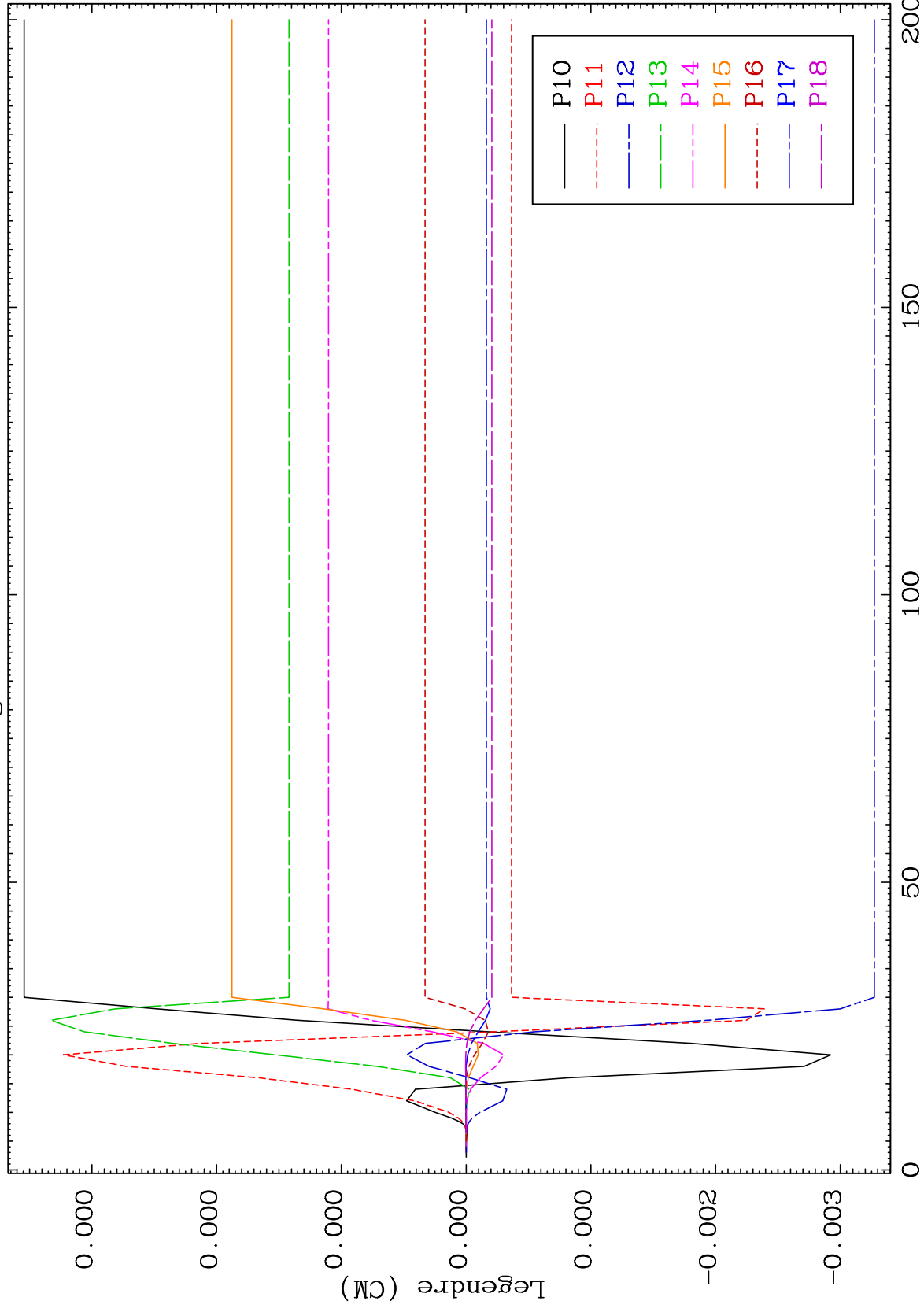
Incident Energy (MeV)

43

MAT 4161

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

41-Nb-105



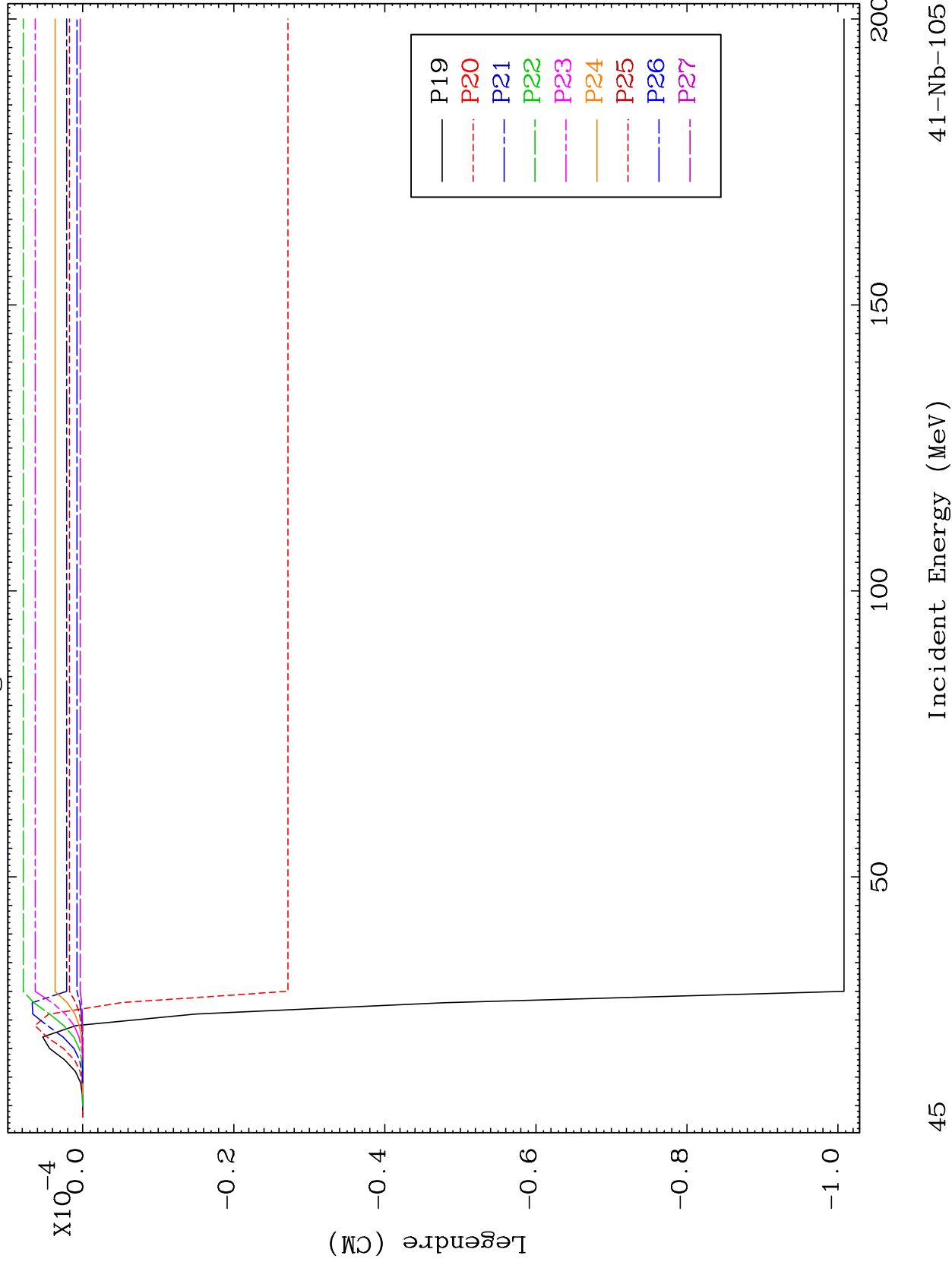
44

41-Nb-105

MAT 4161

41-Nb-105

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



45

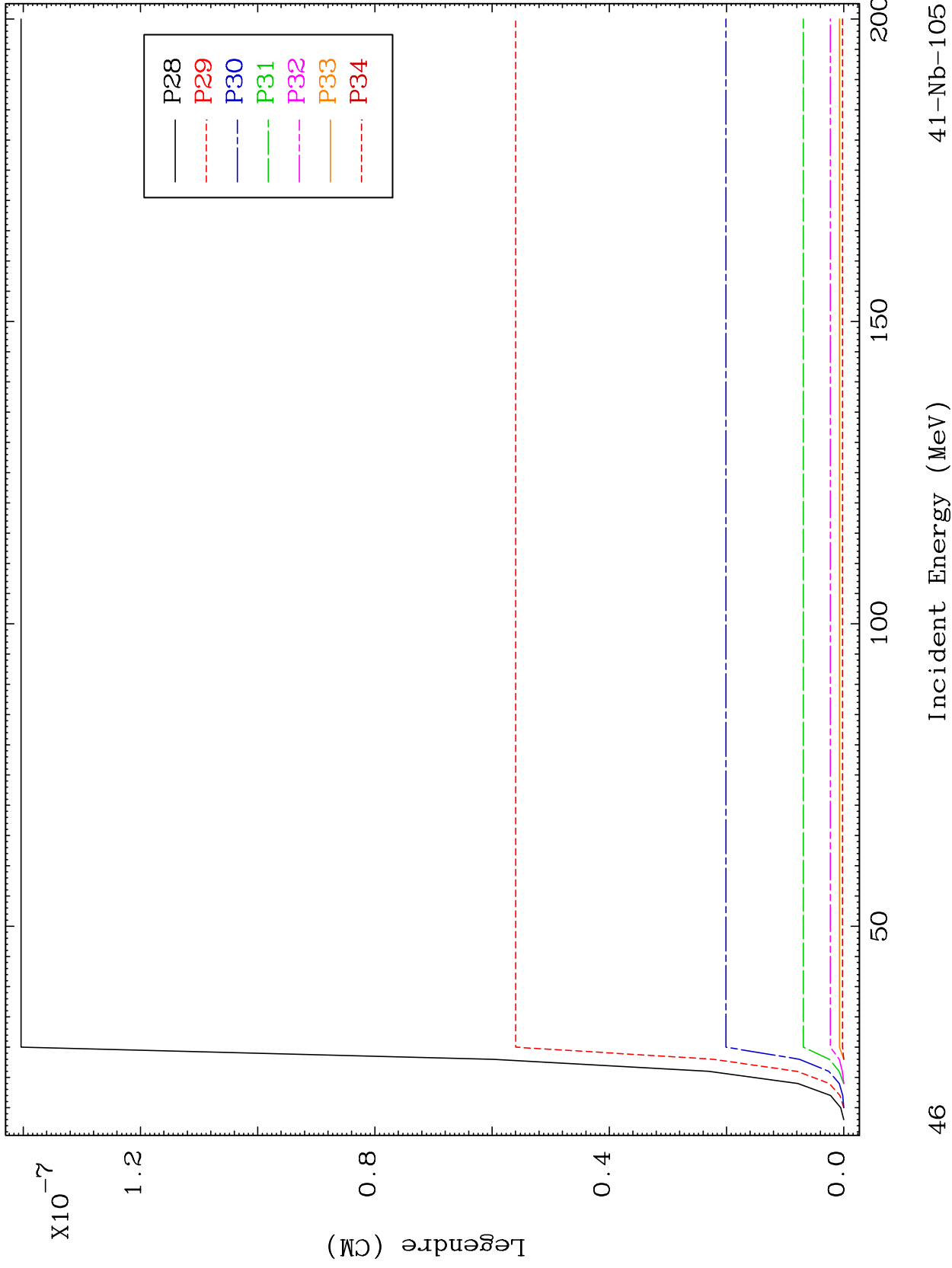
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



46

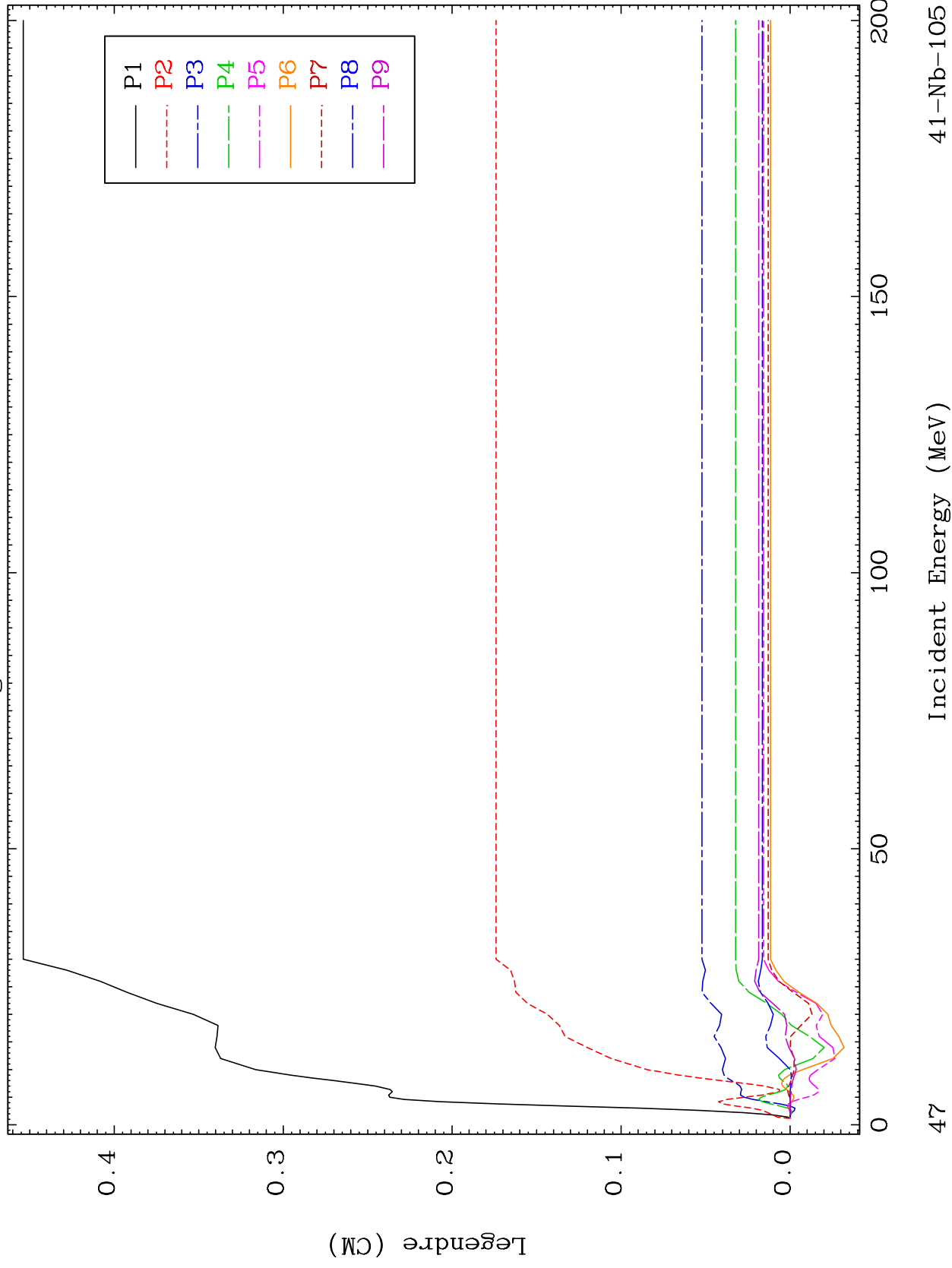
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



47

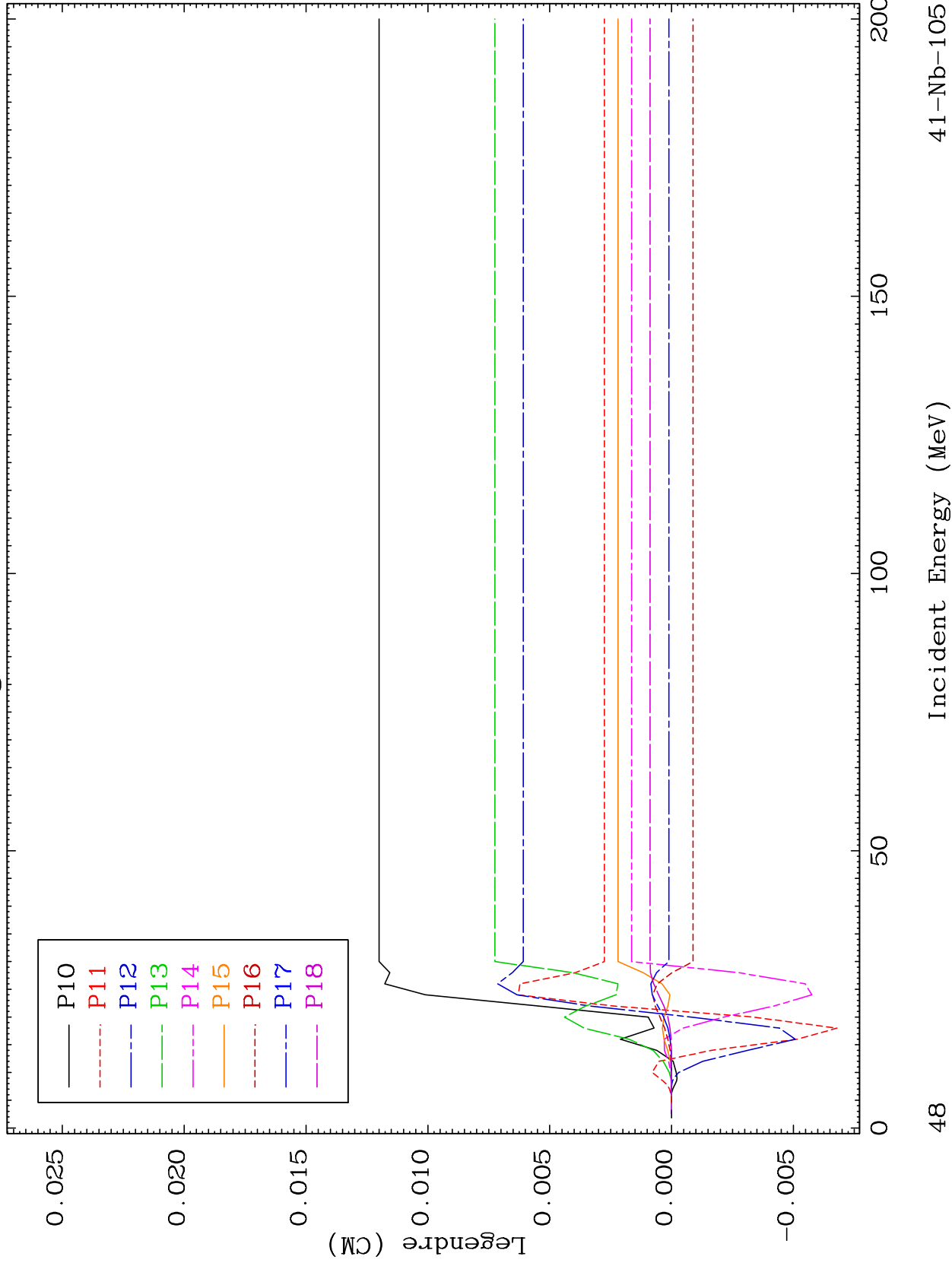
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



48

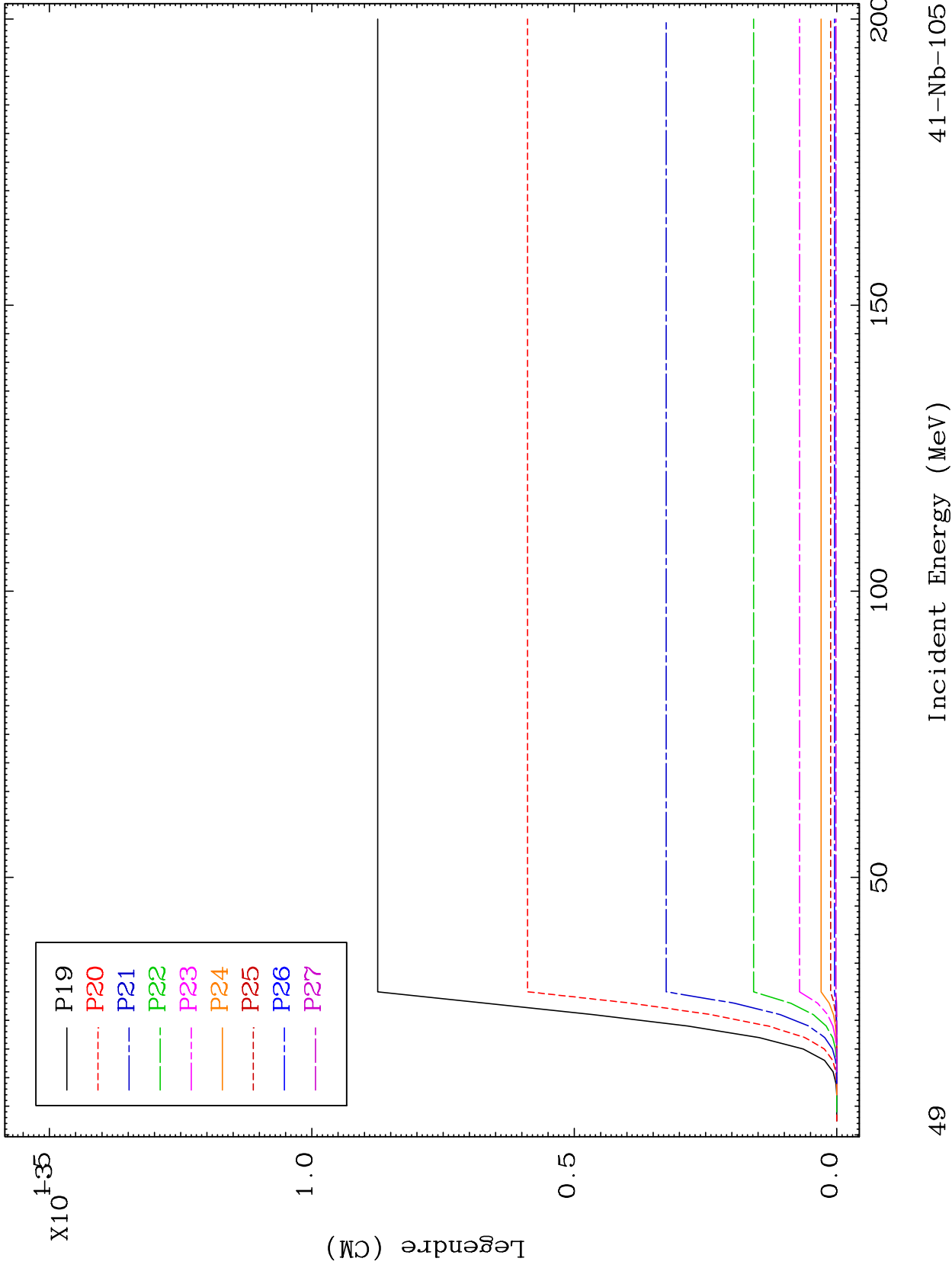
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



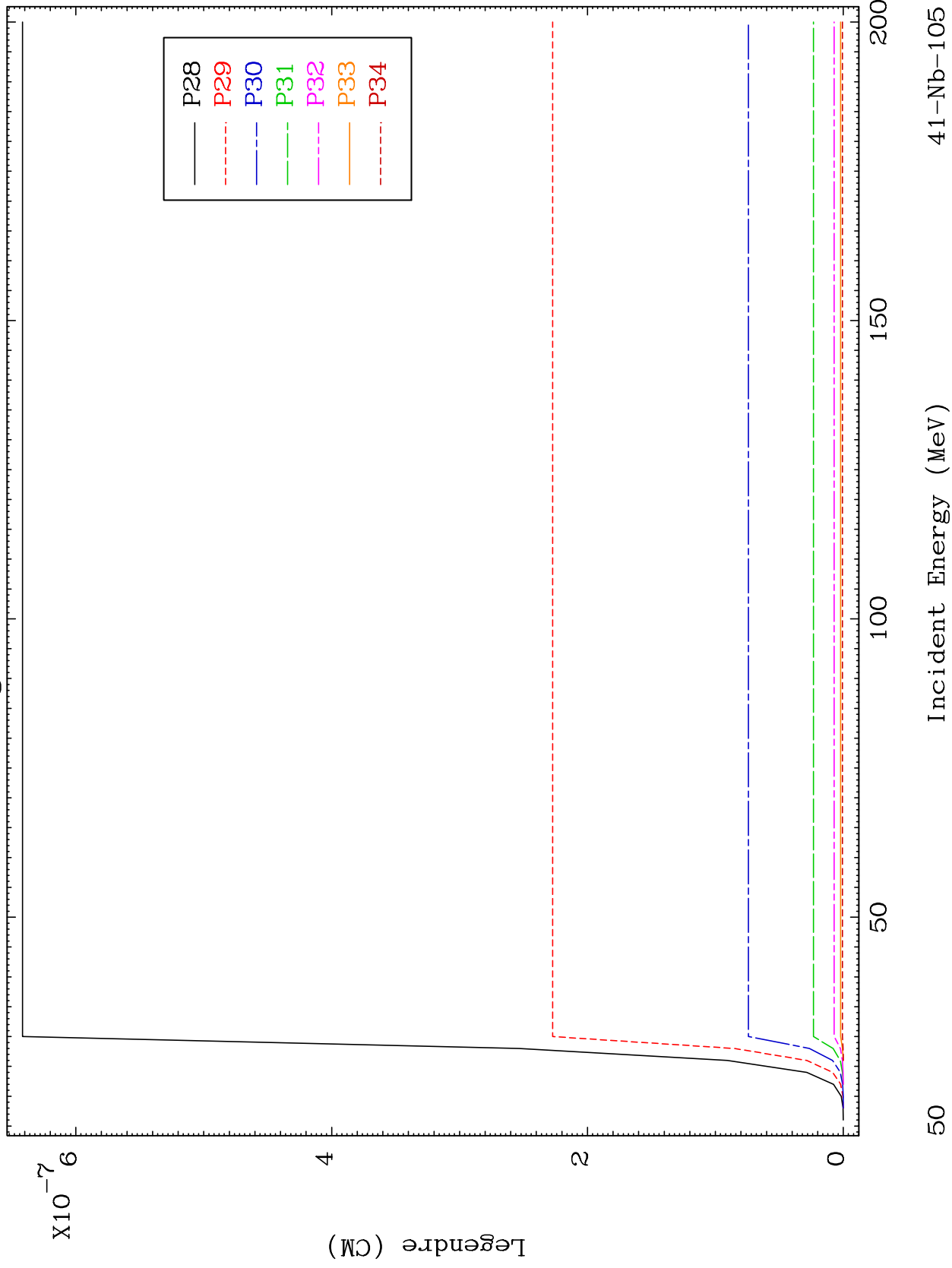
49

200

MAT 4161

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

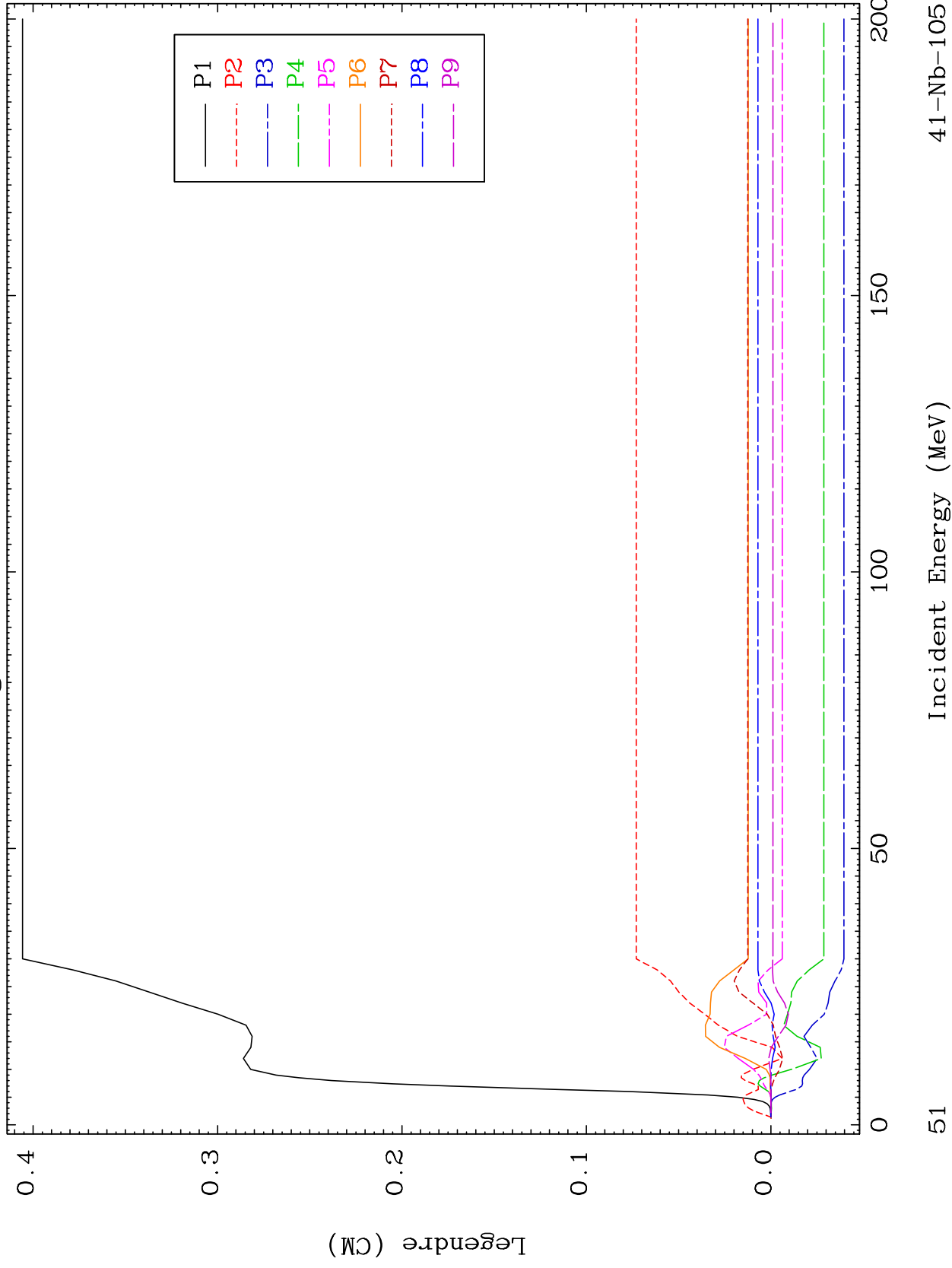
41-Nb-105



MAT 4161

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

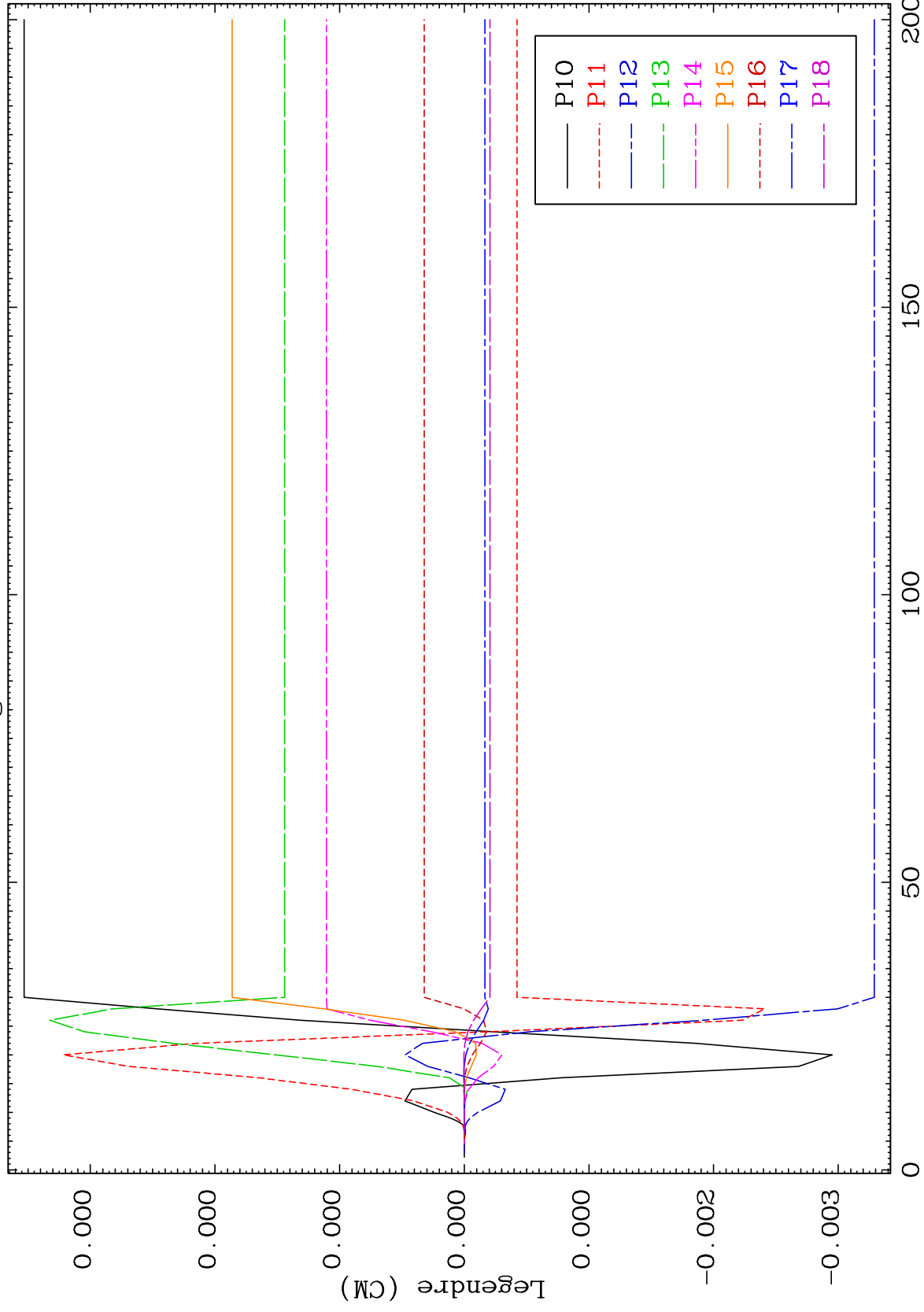
41-Nb-105



MAT 4161

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

41-Nb-105



52

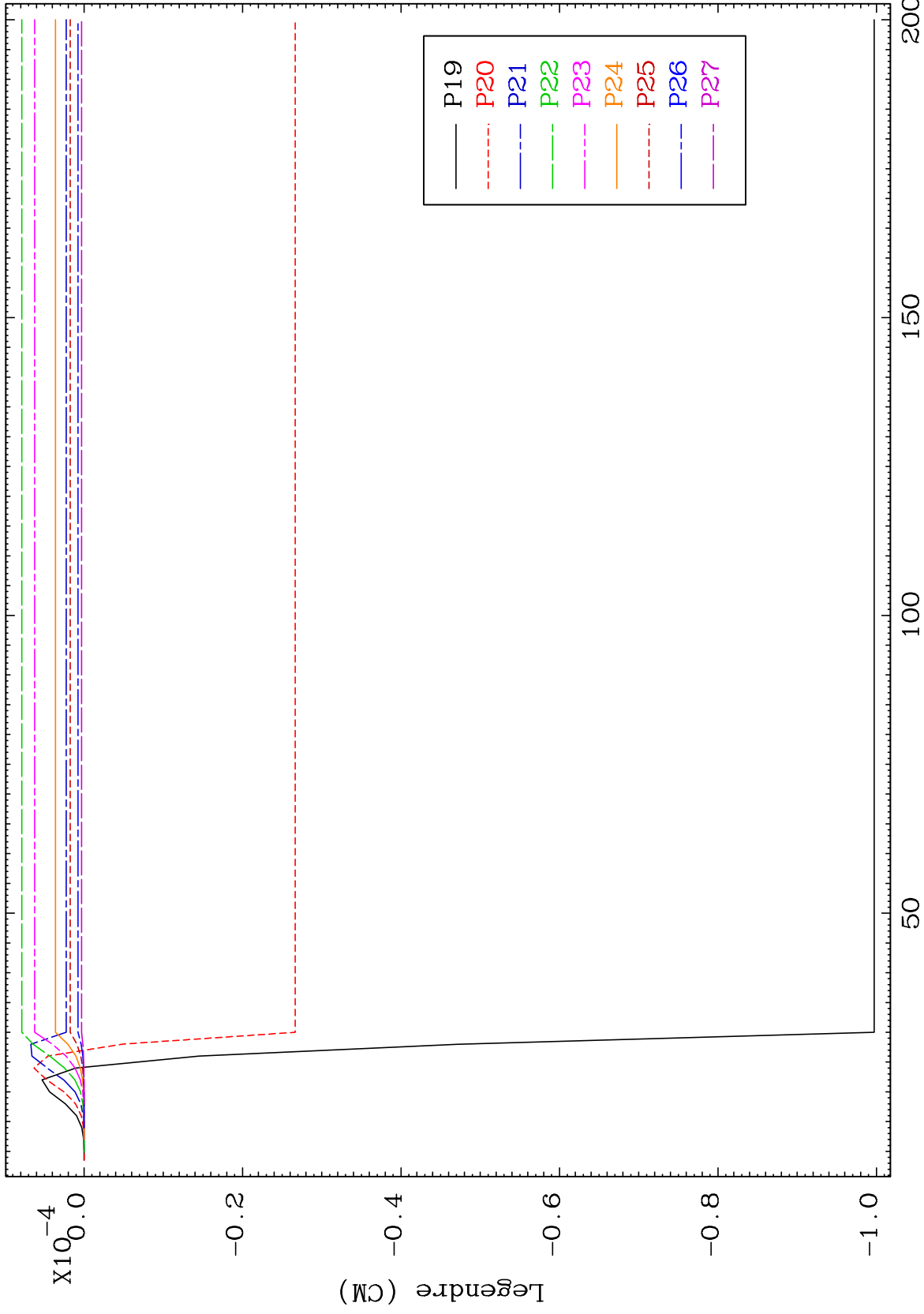
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



53

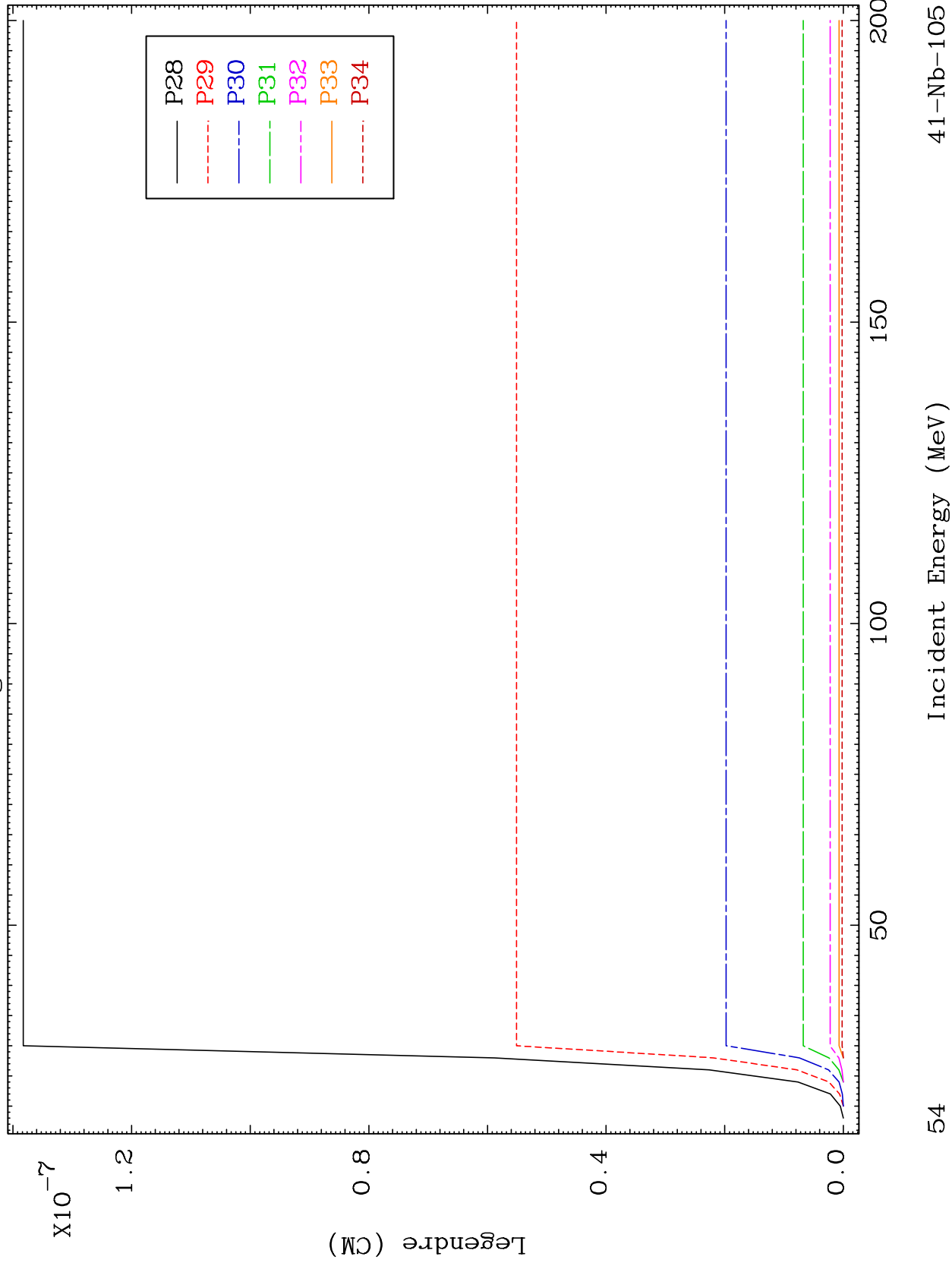
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



54

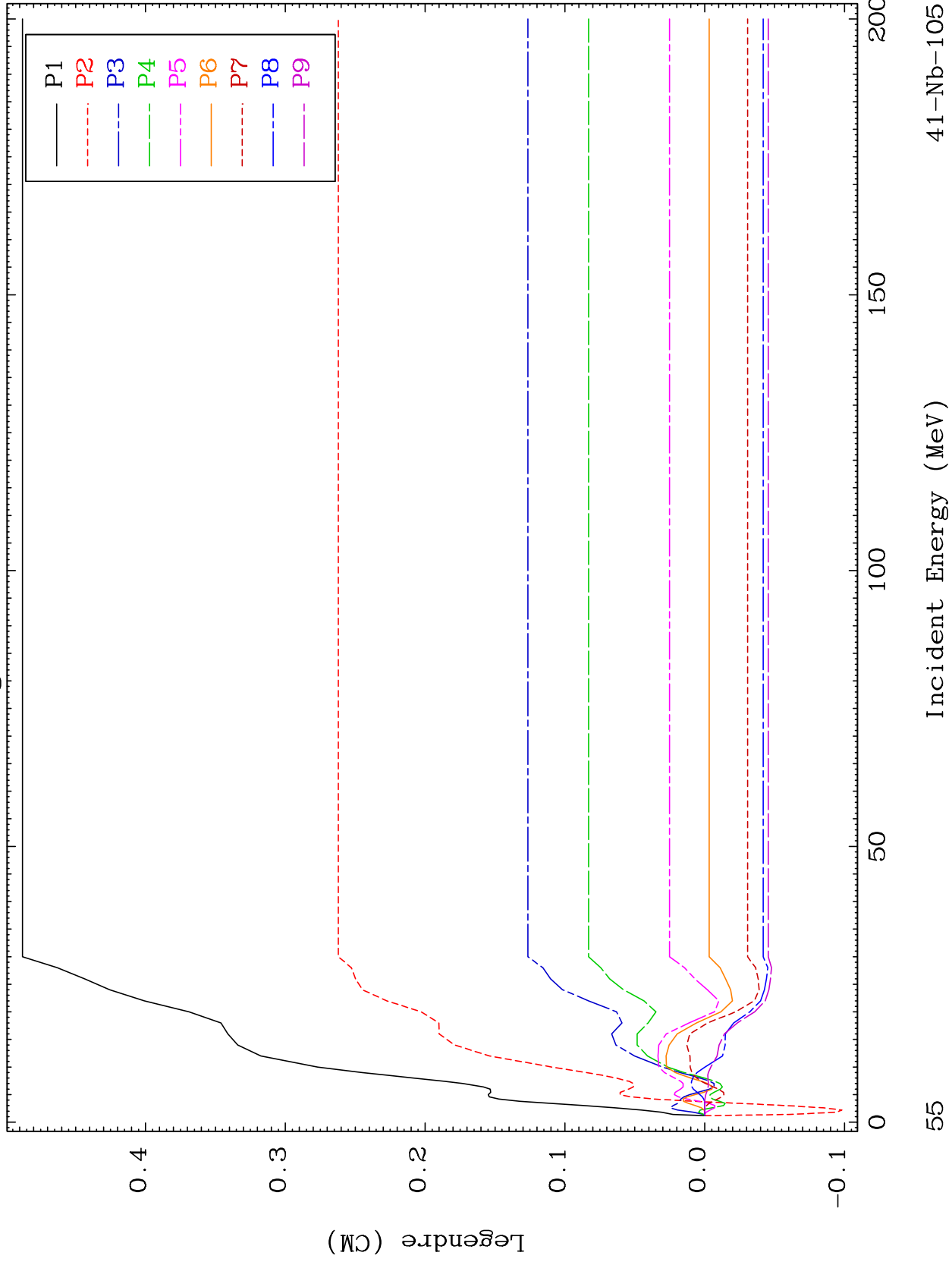
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



41-Nb-105

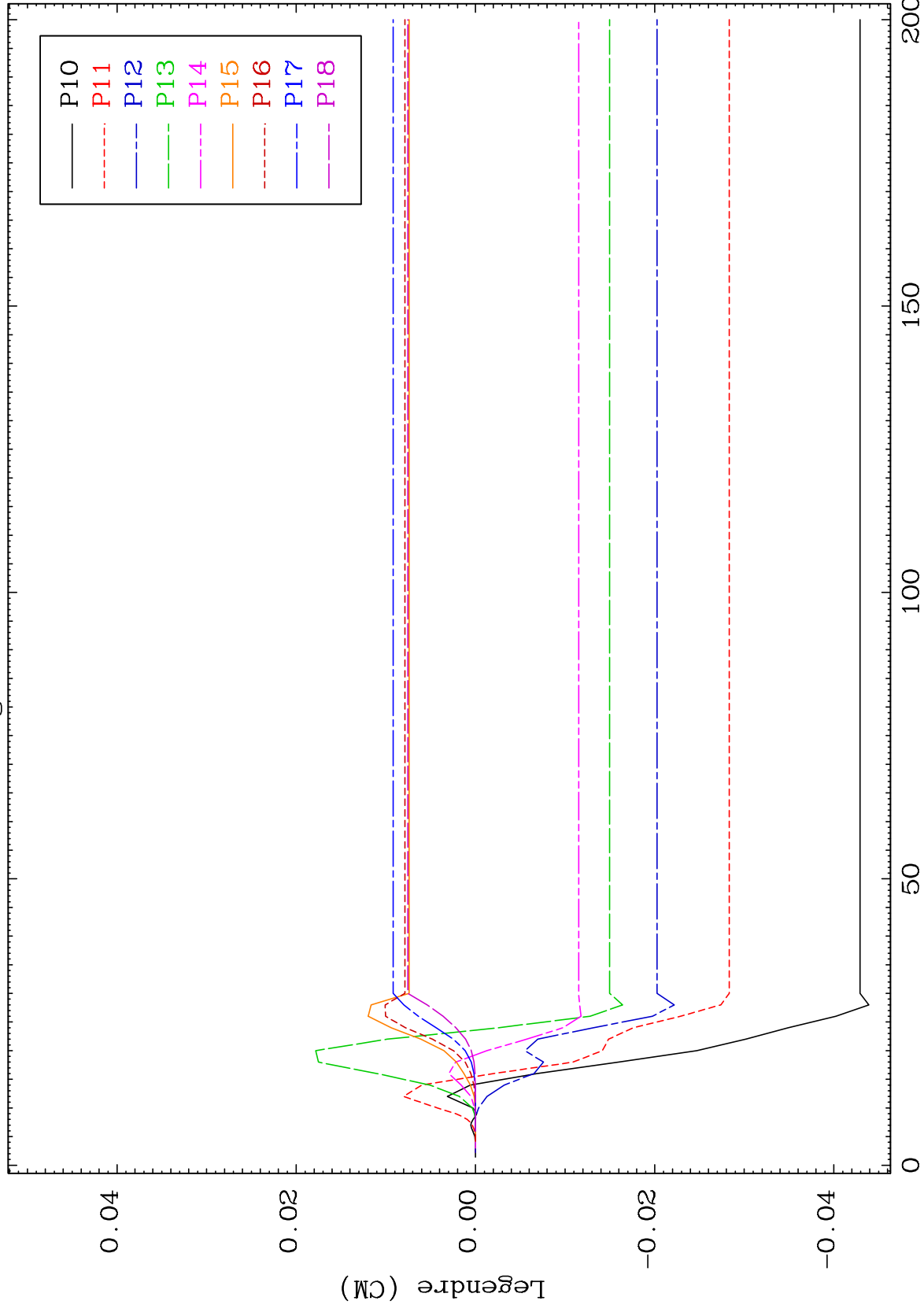
Incident Energy (MeV)

55

MAT 4161

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

41-Nb-105



56

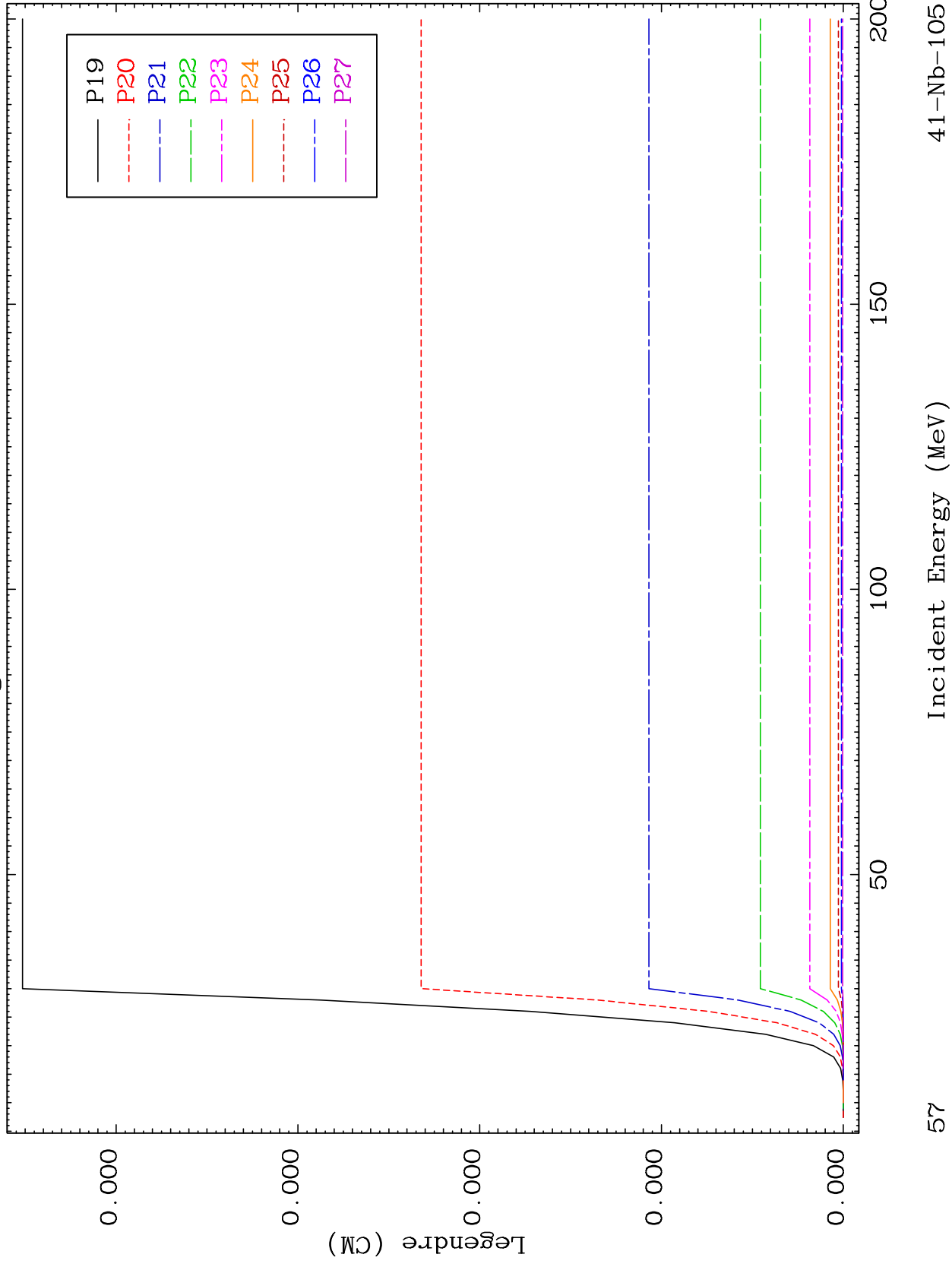
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



57

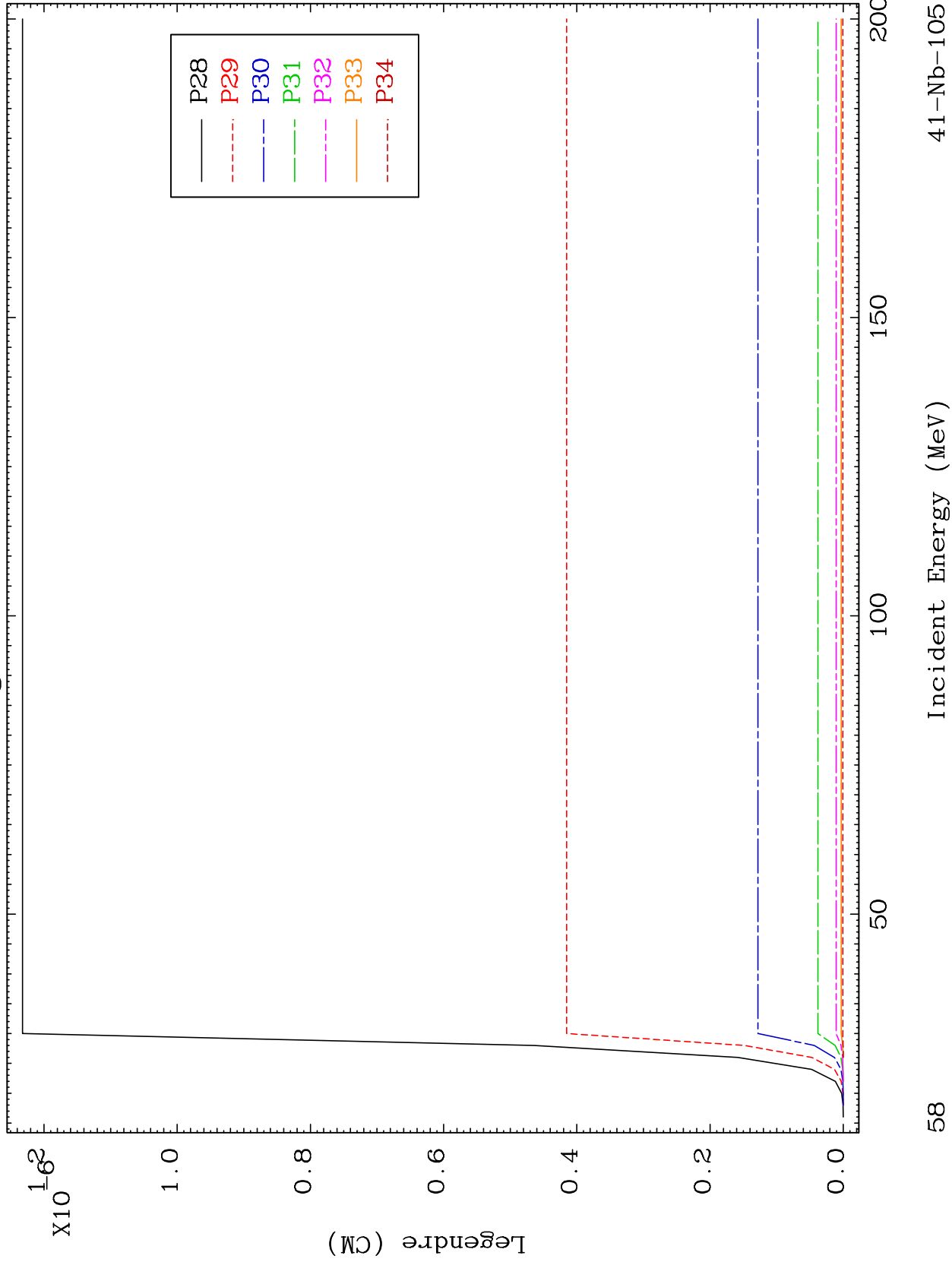
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



58

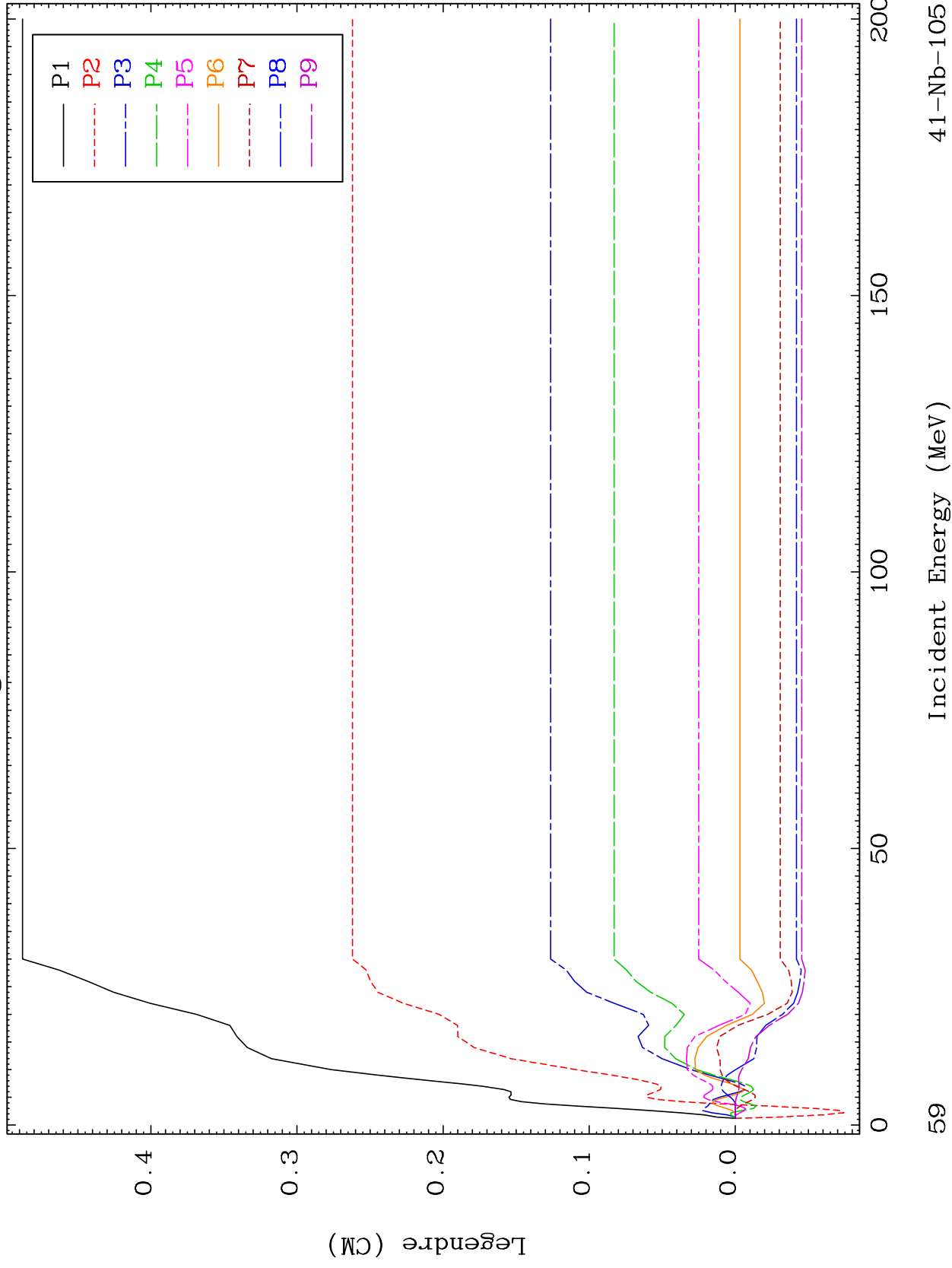
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



41-Nb-105

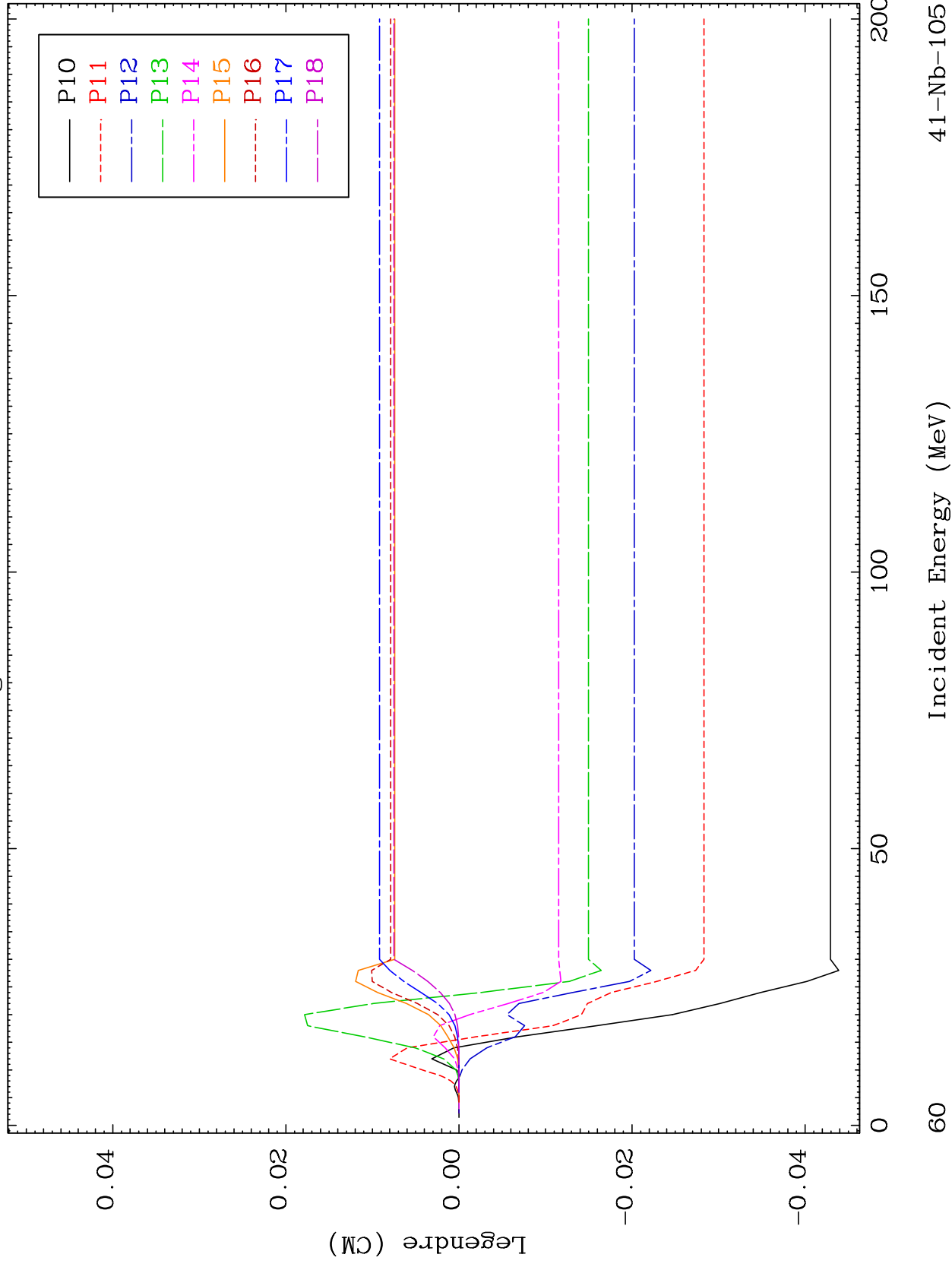
Incident Energy (MeV)

59

MAT 4161

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

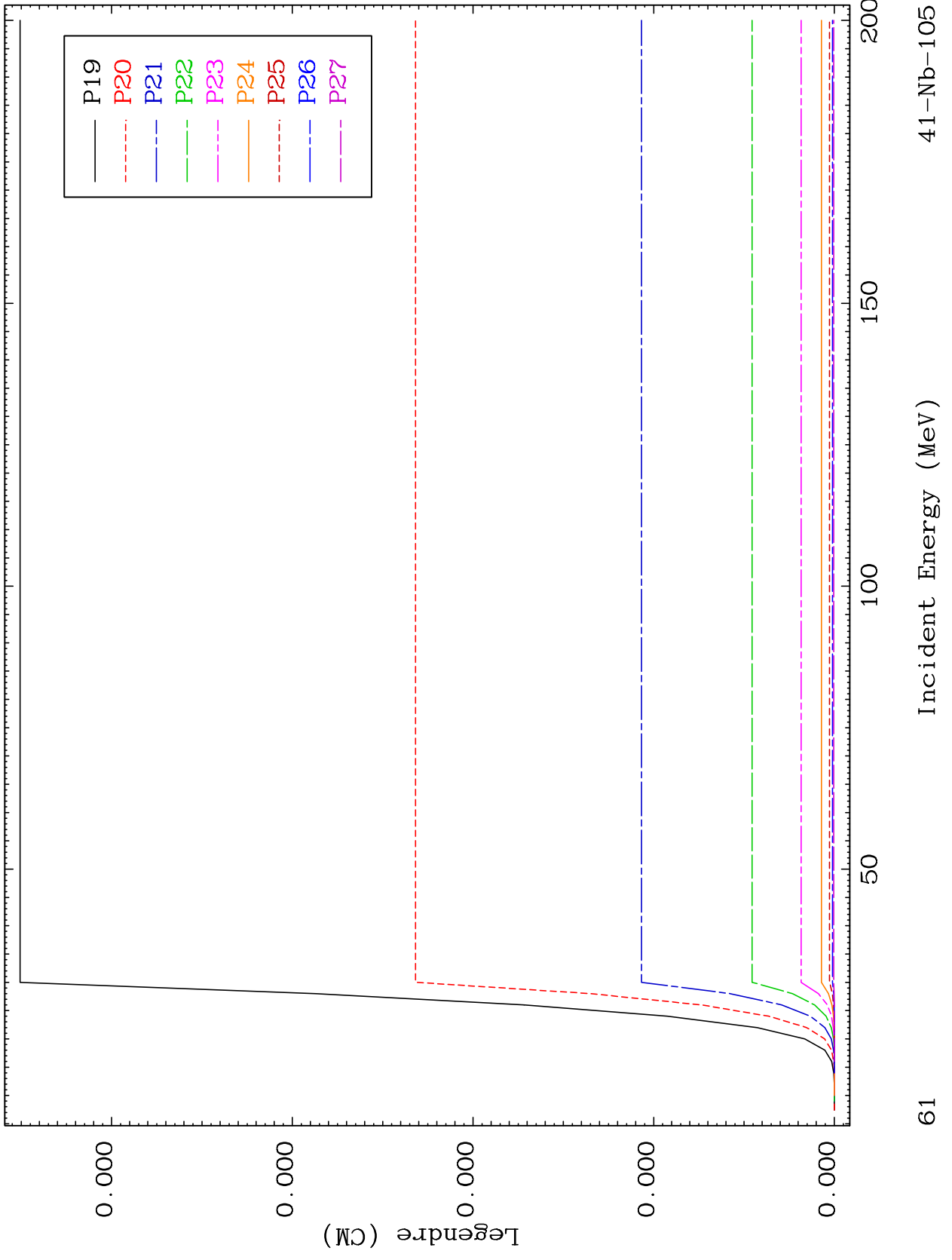
41-Nb-105



MAT 4161

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

41-Nb-105



61

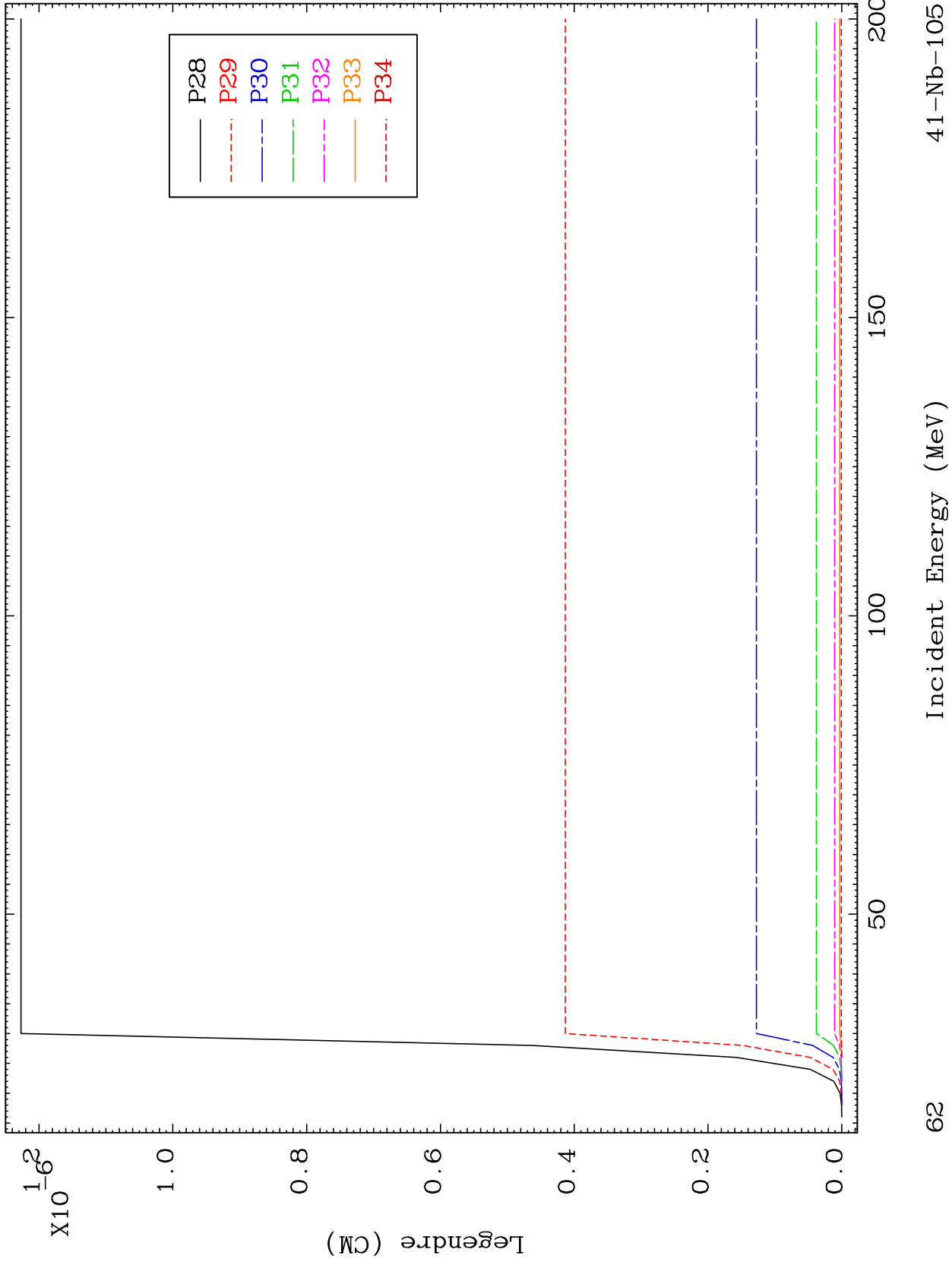
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



62

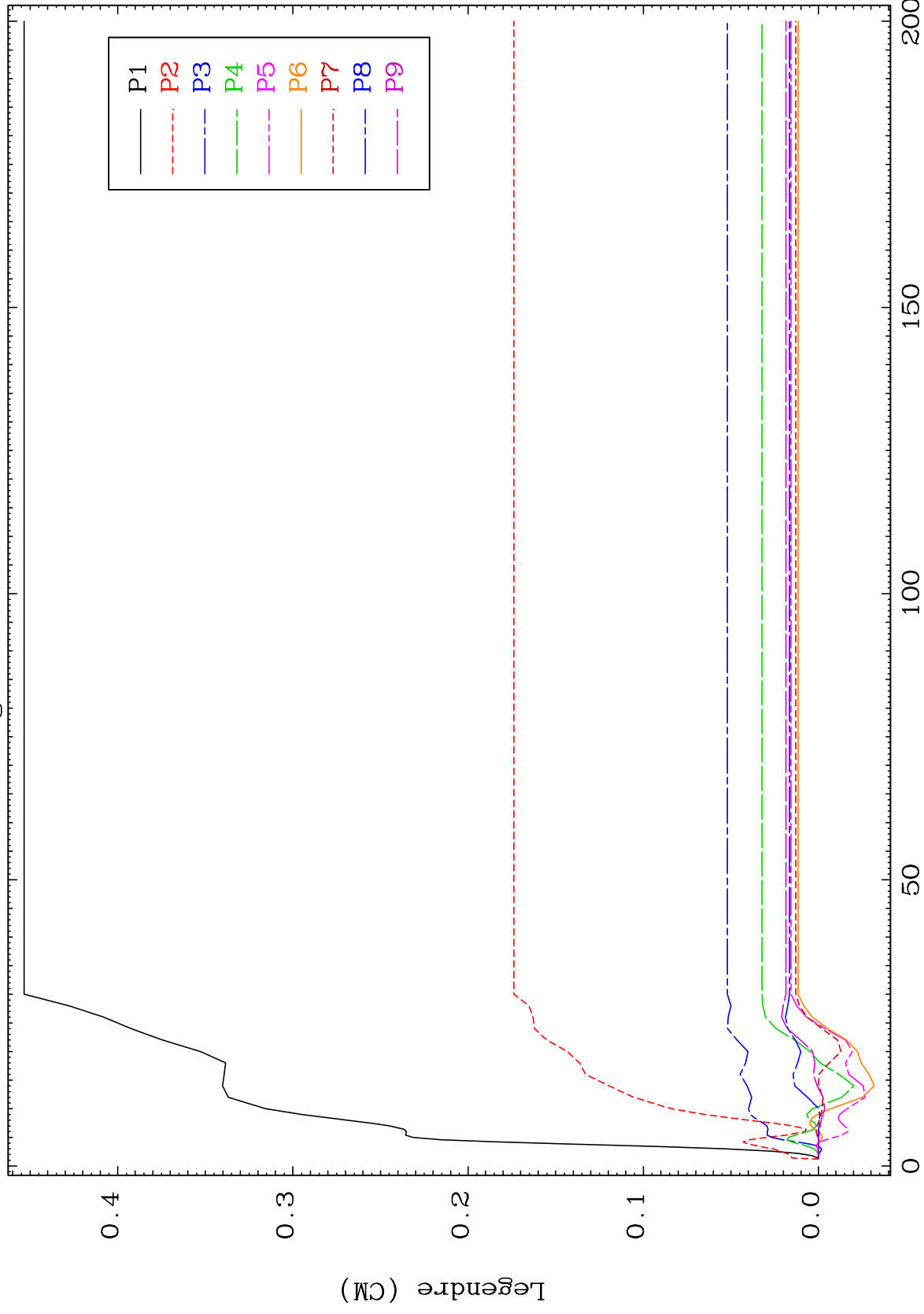
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



63

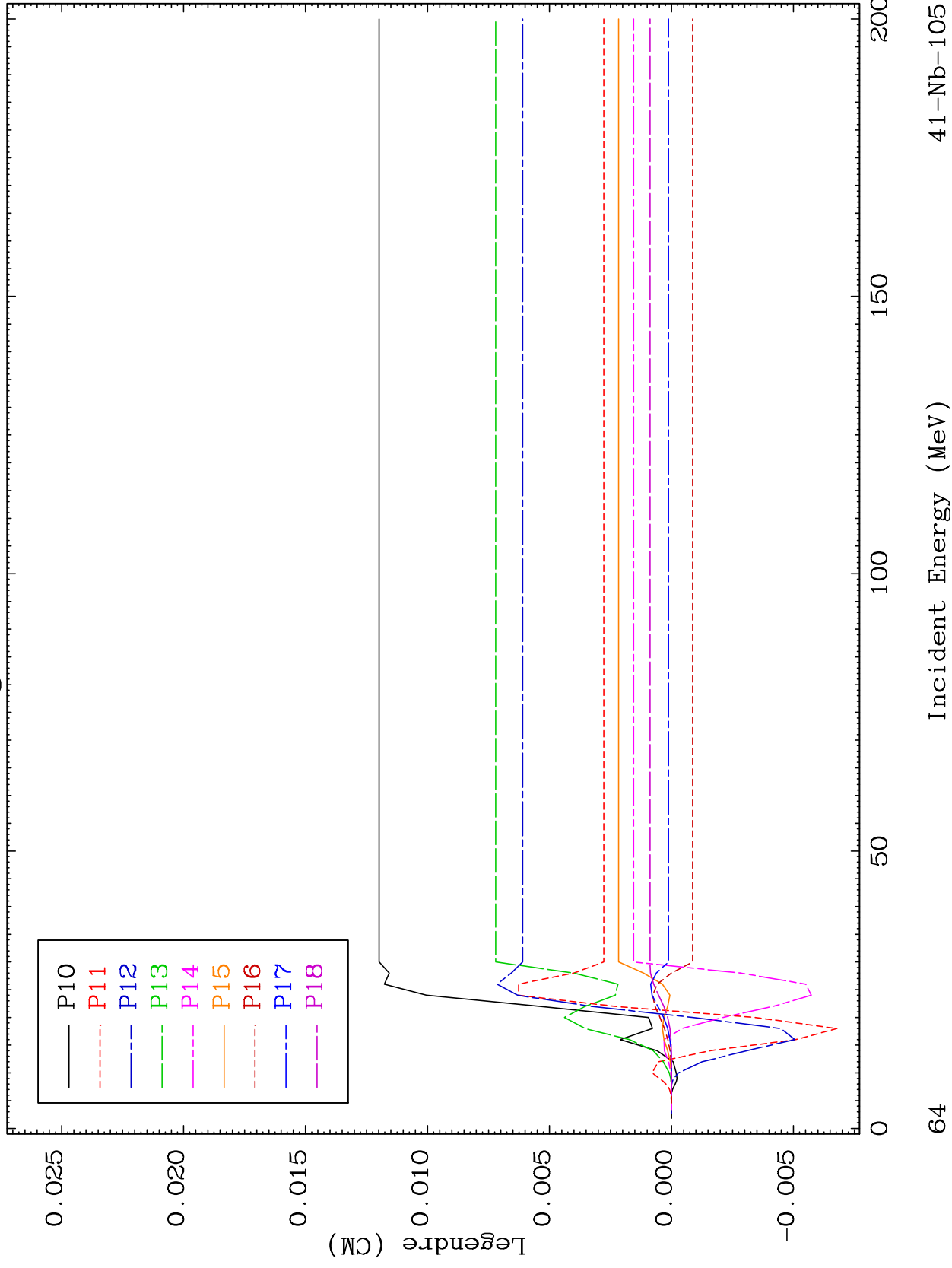
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



41-Nb-105

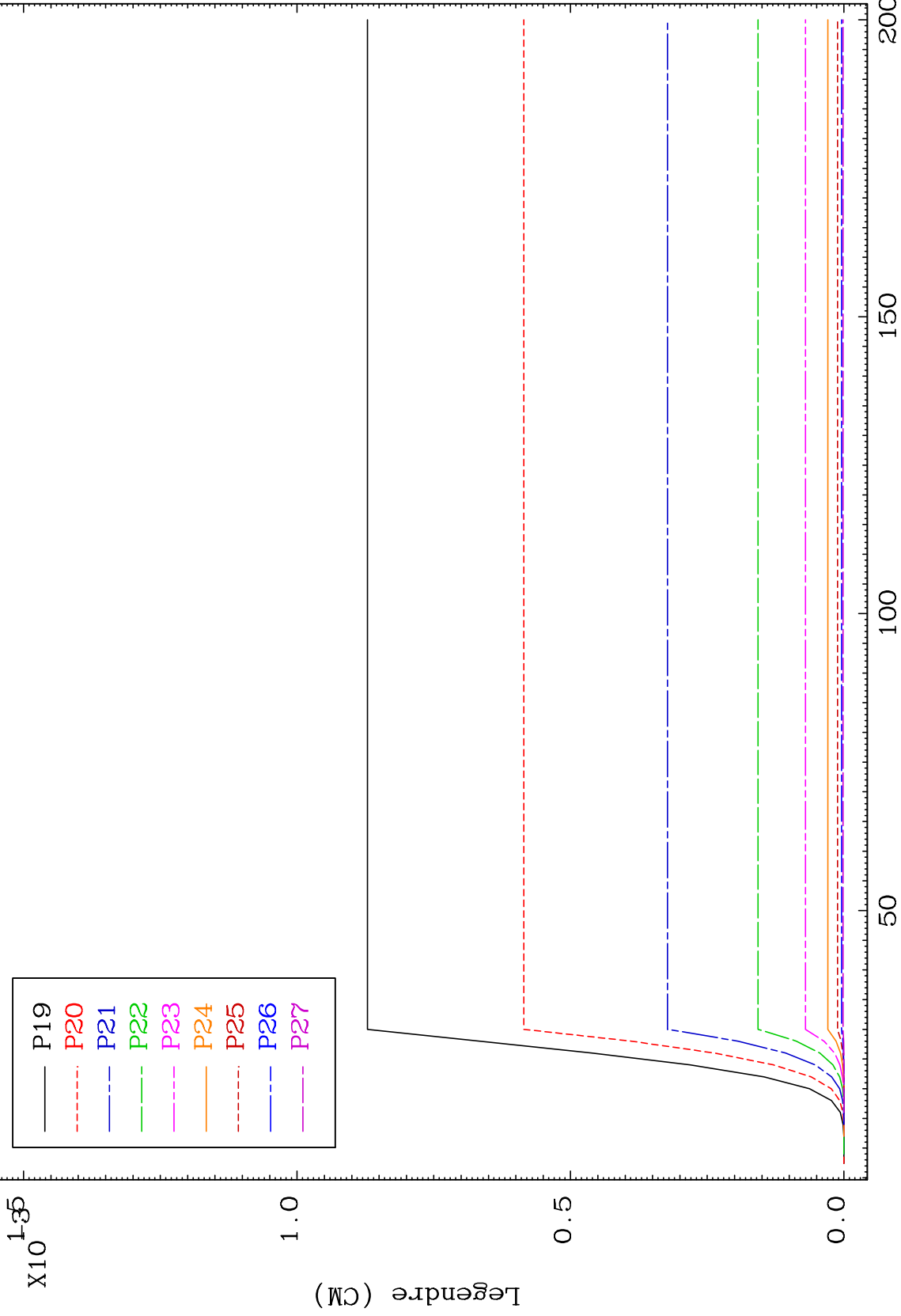
Incident Energy (MeV)

64

MAT 4161

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

41-Nb-105



65

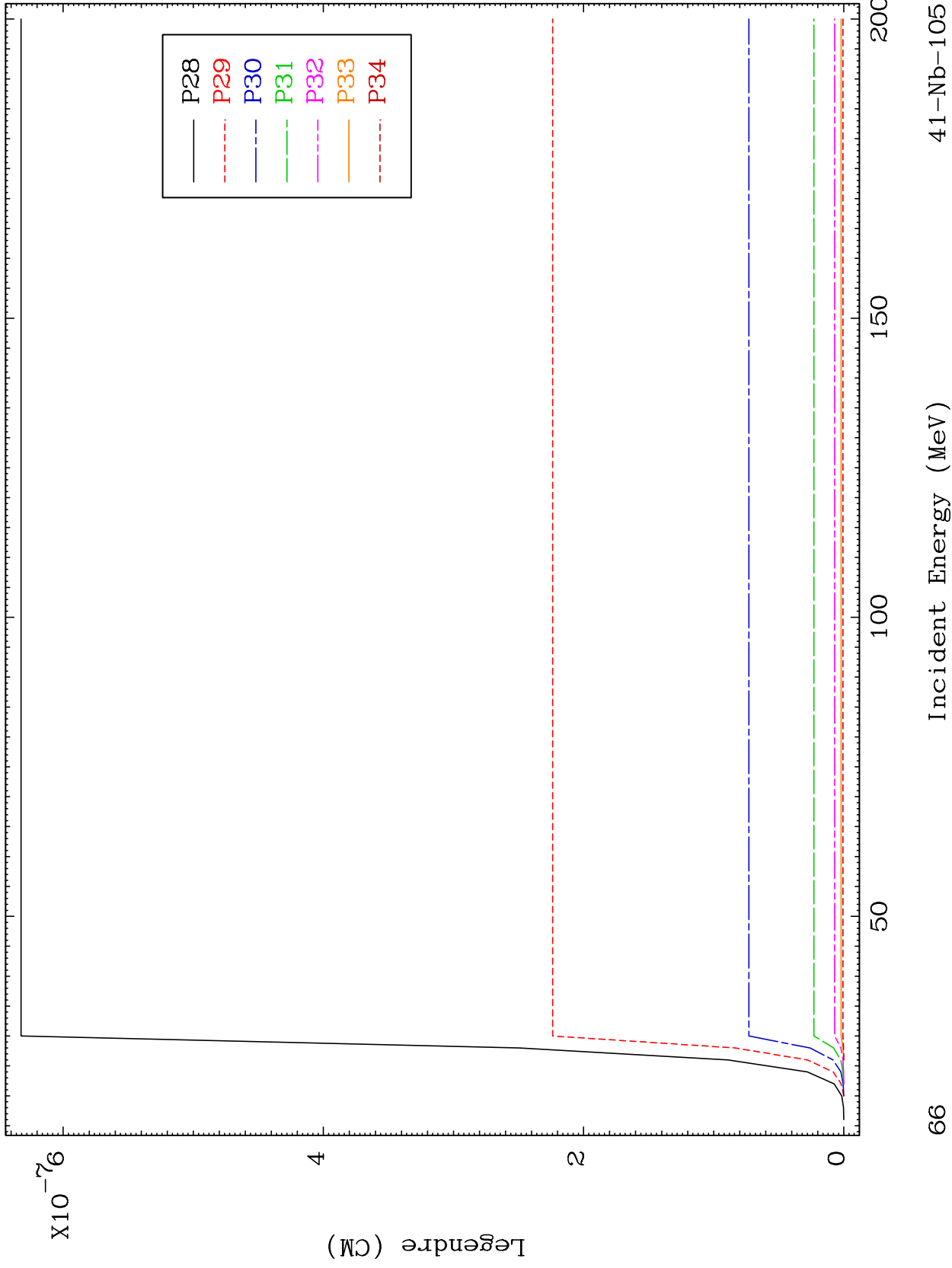
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105

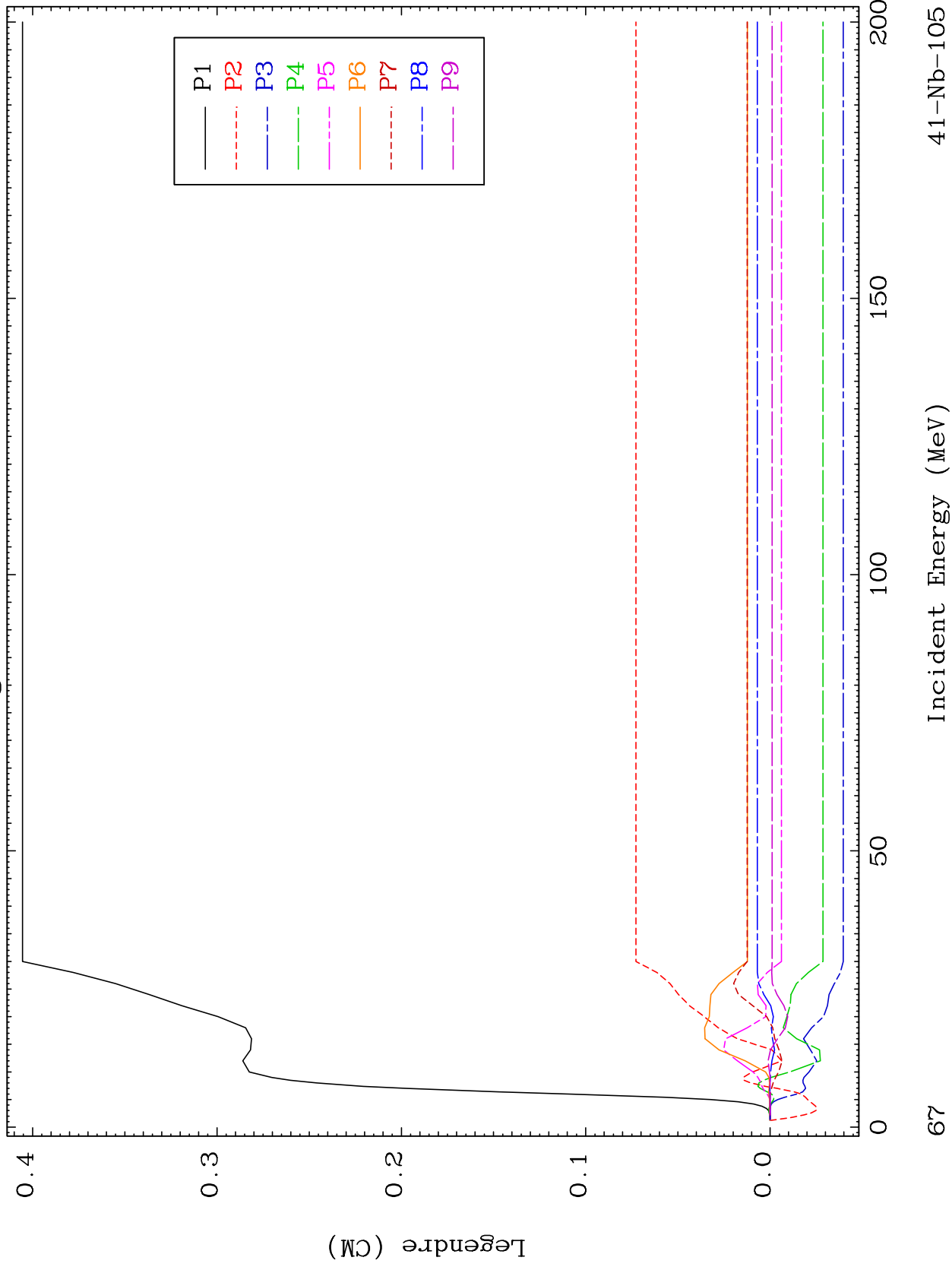


66

MAT 4161

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

41-Nb-105



67

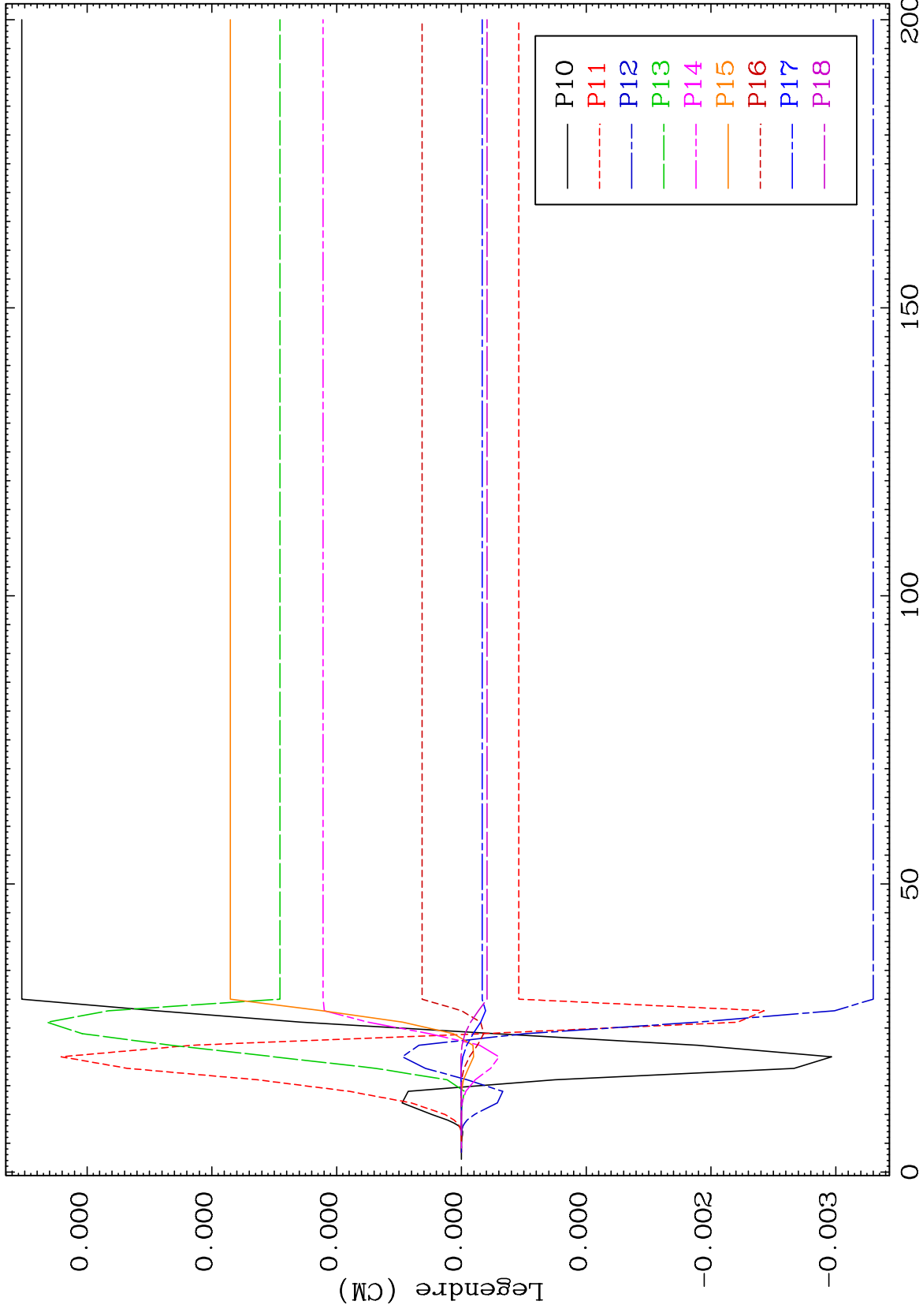
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



68

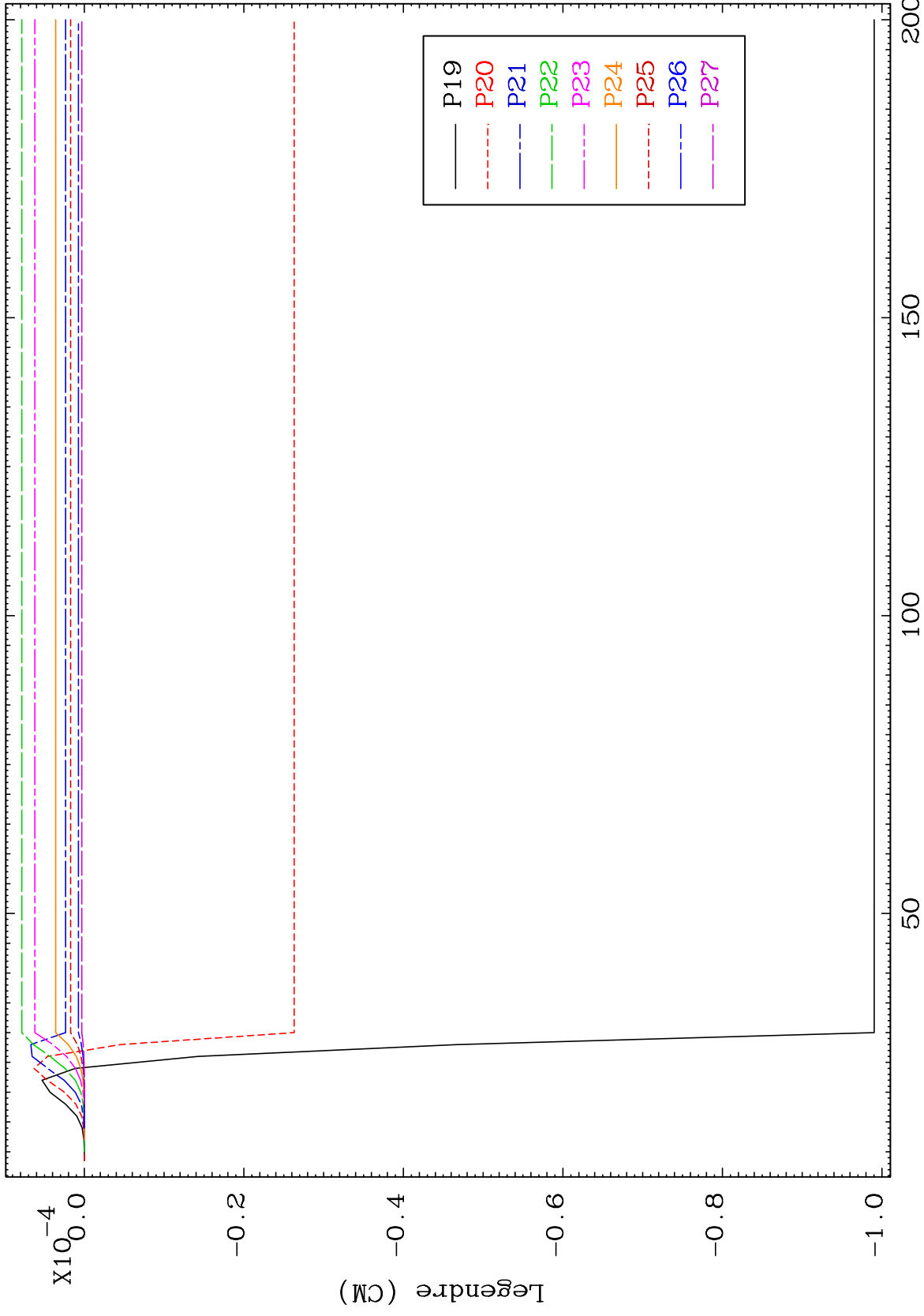
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



69

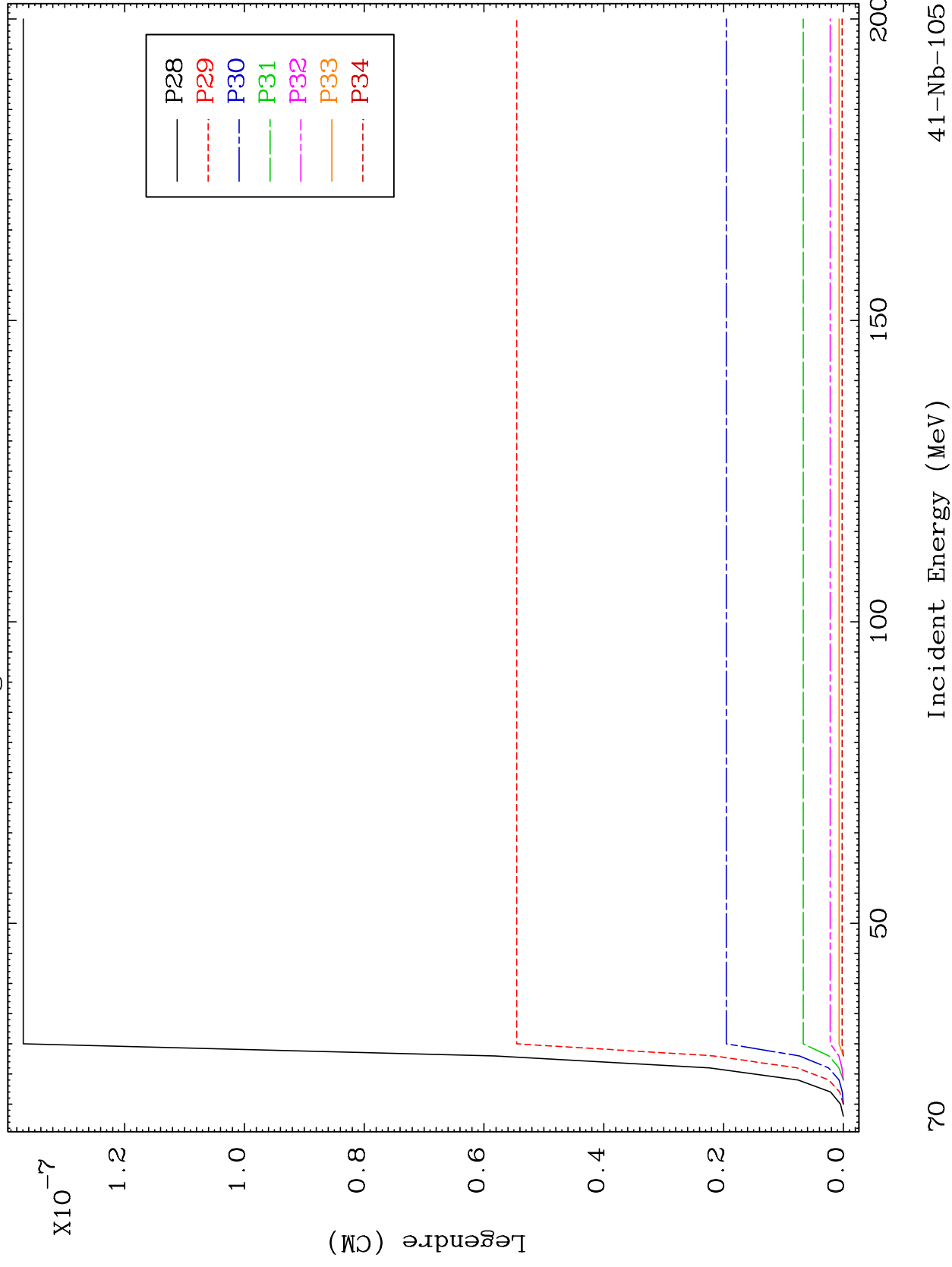
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



70

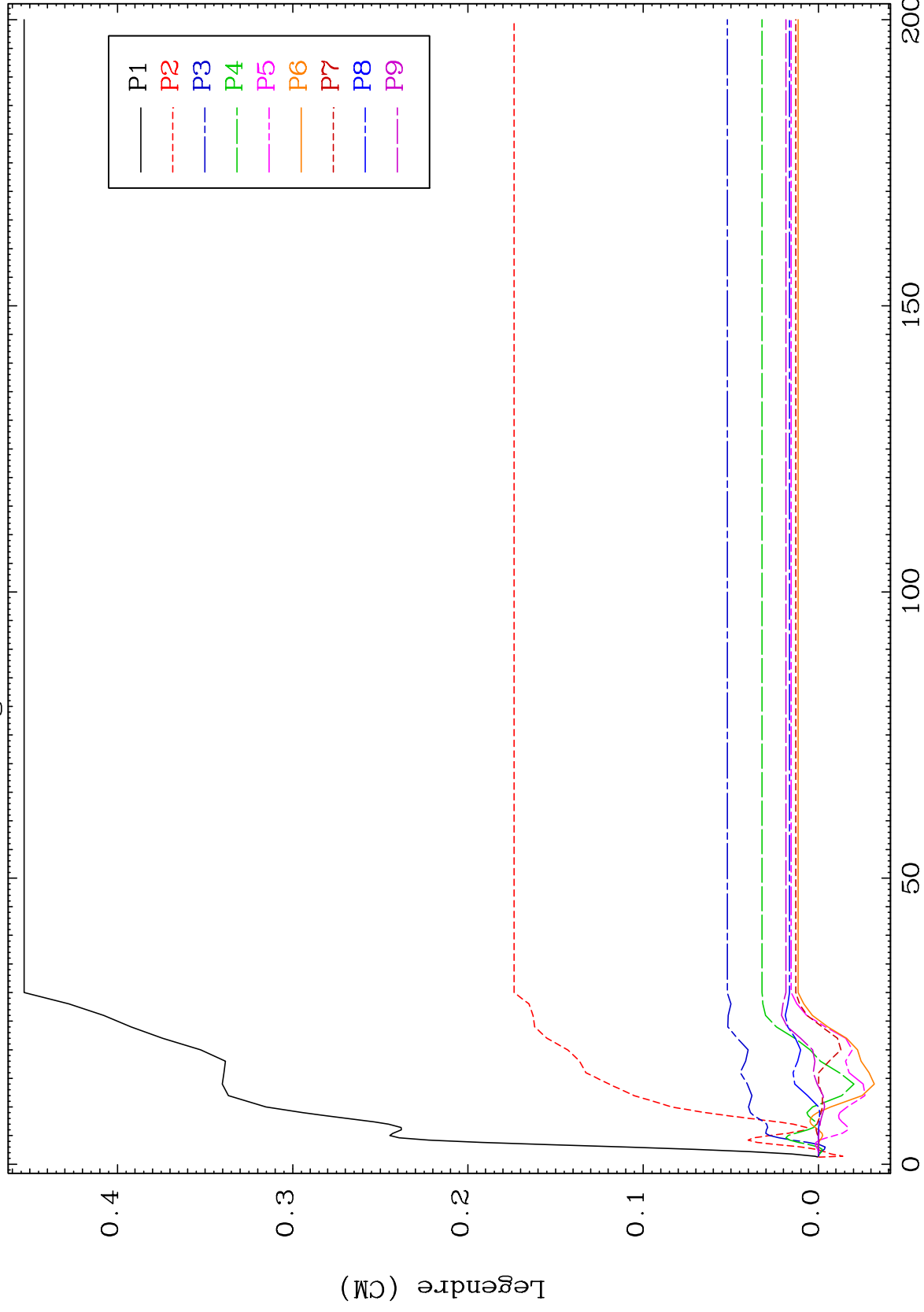
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



71

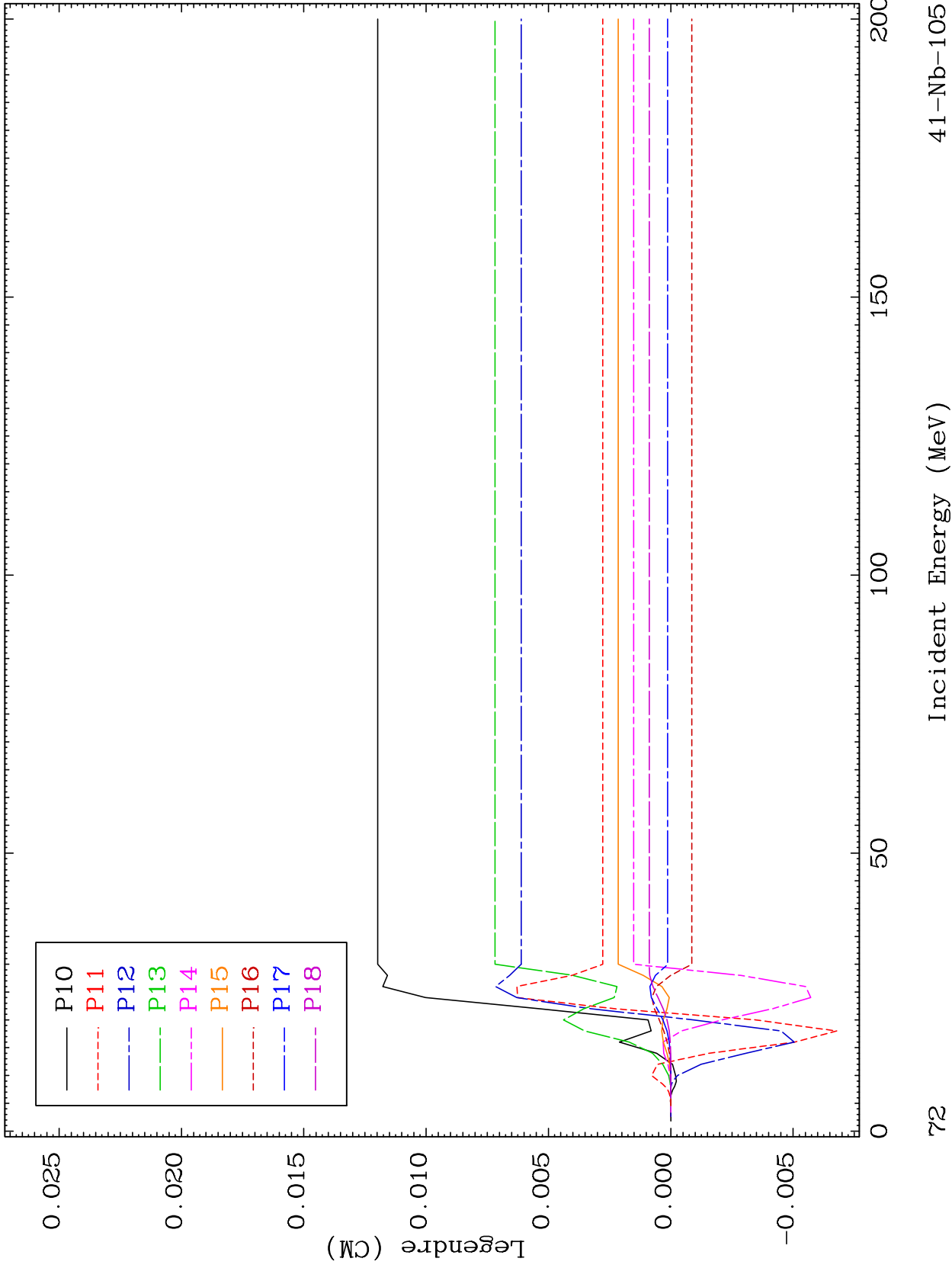
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



72

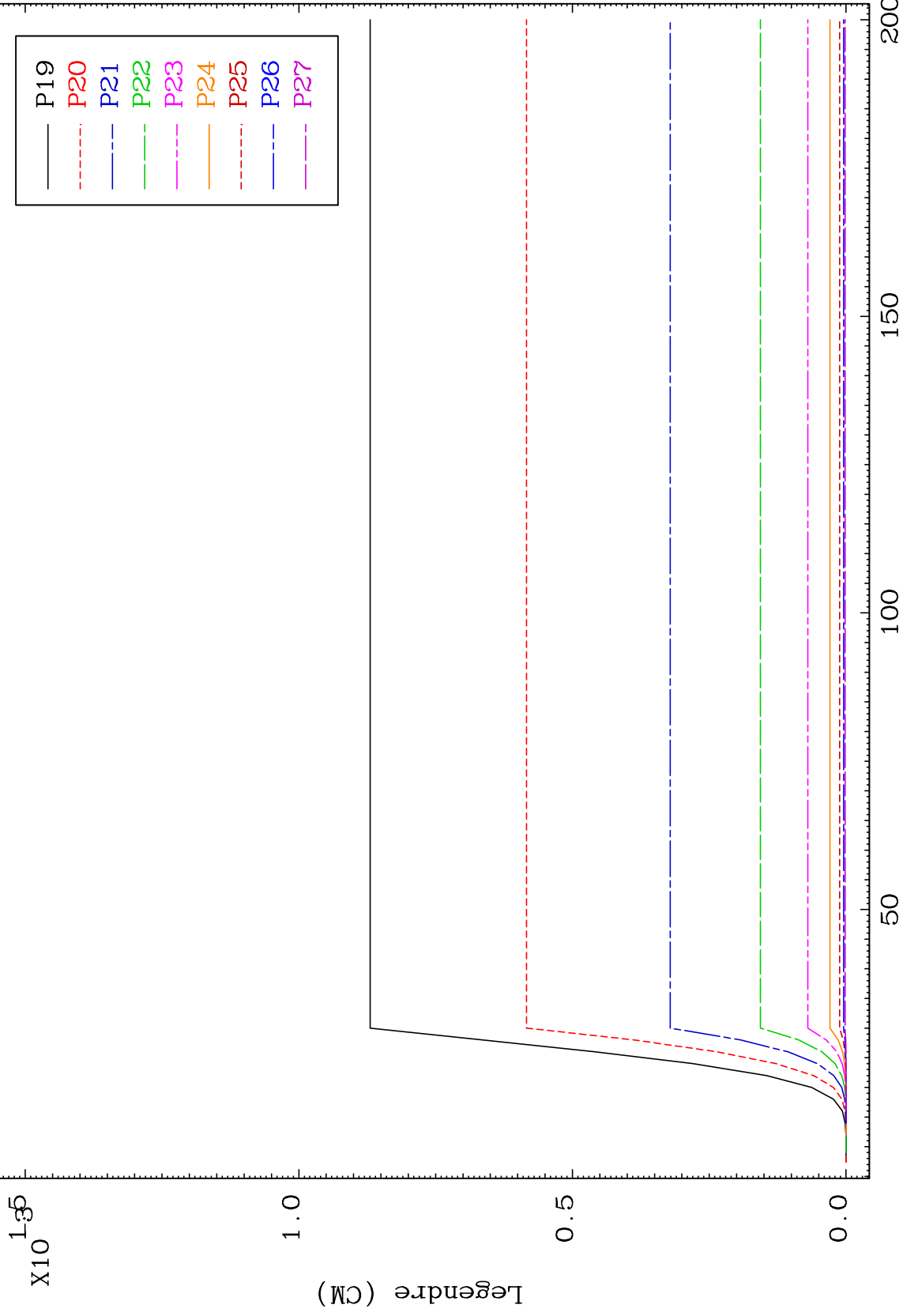
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



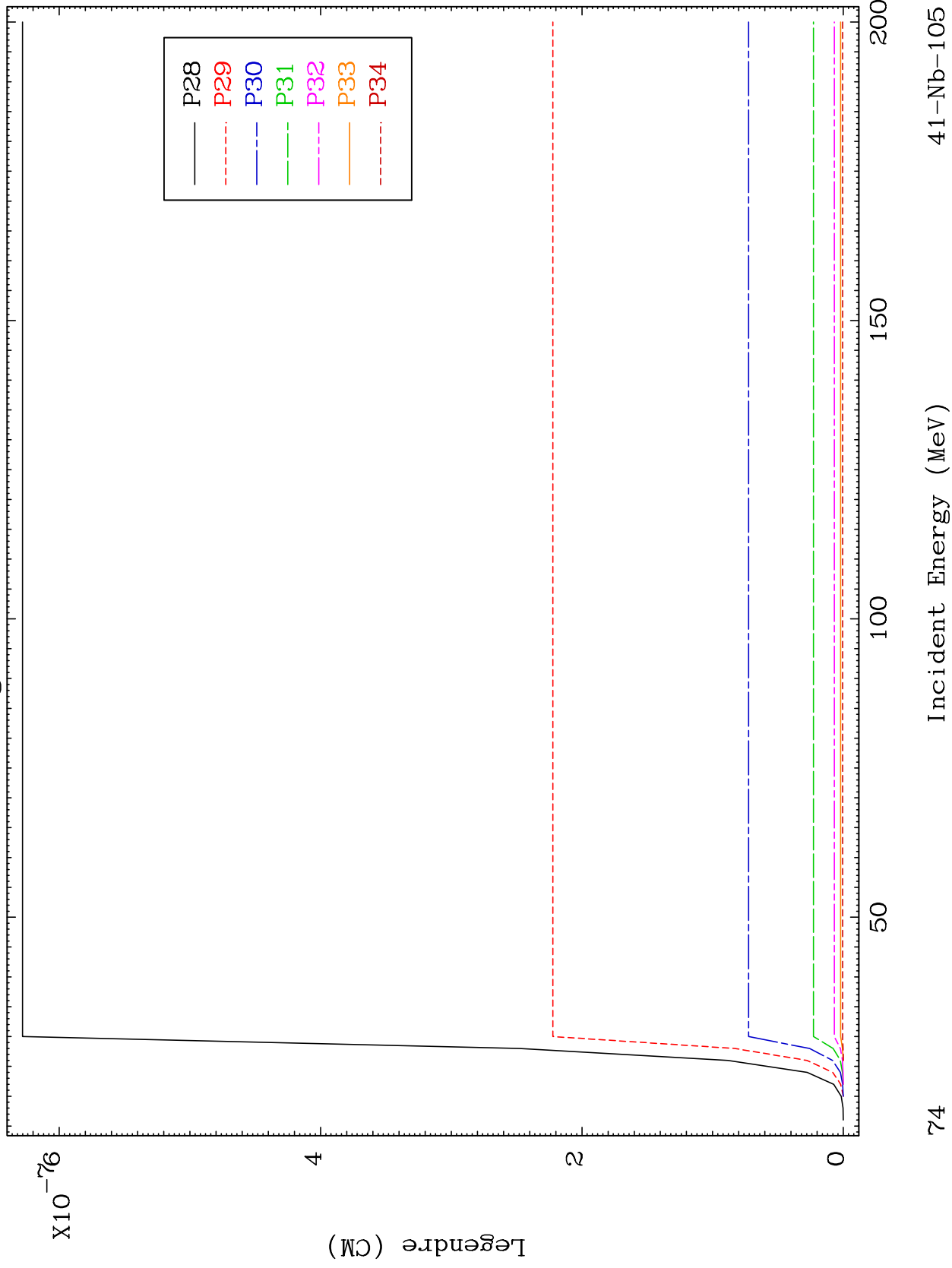
73

41-Nb-105

MAT 4161

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

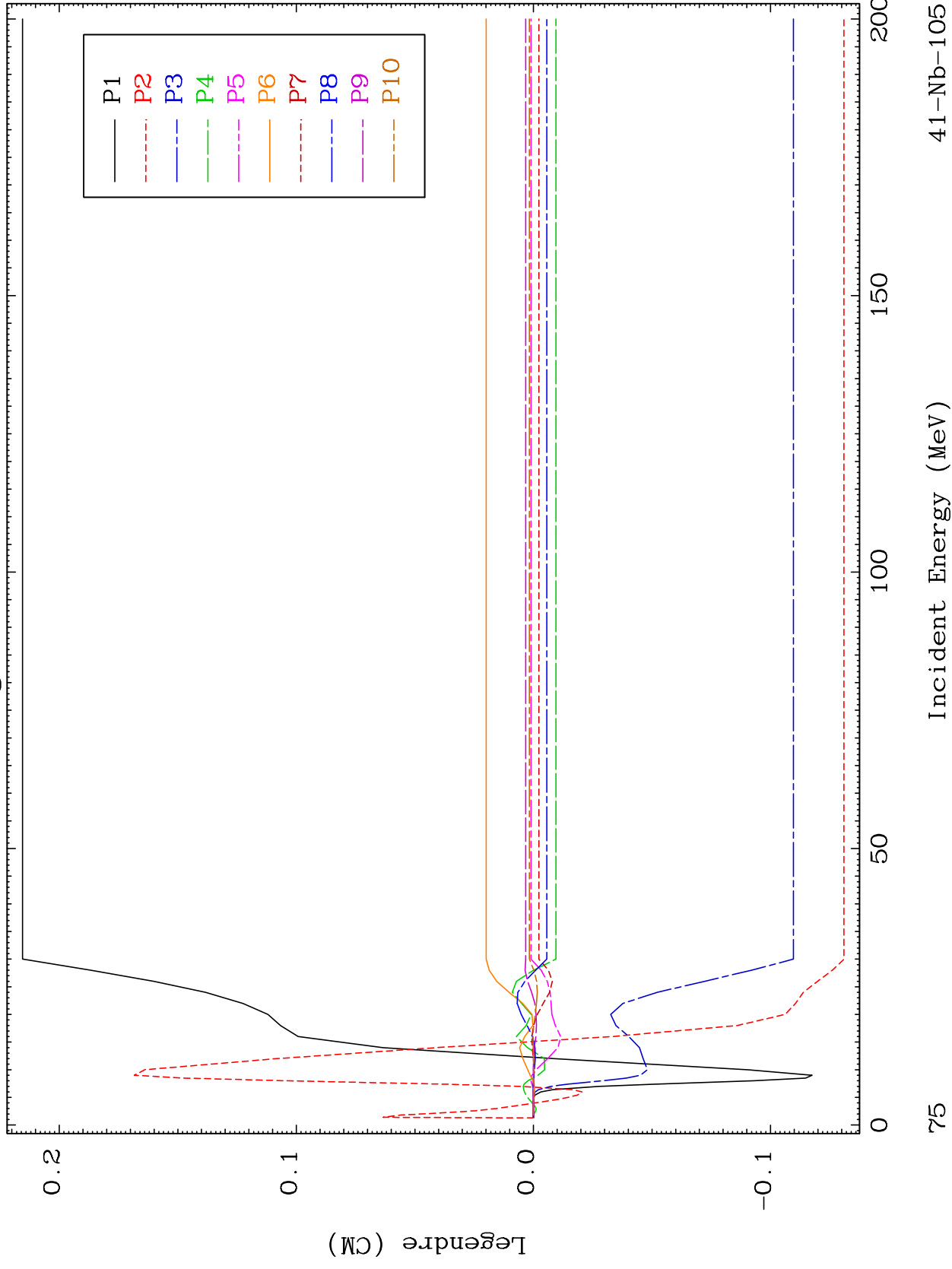
41-Nb-105



MAT 4161

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

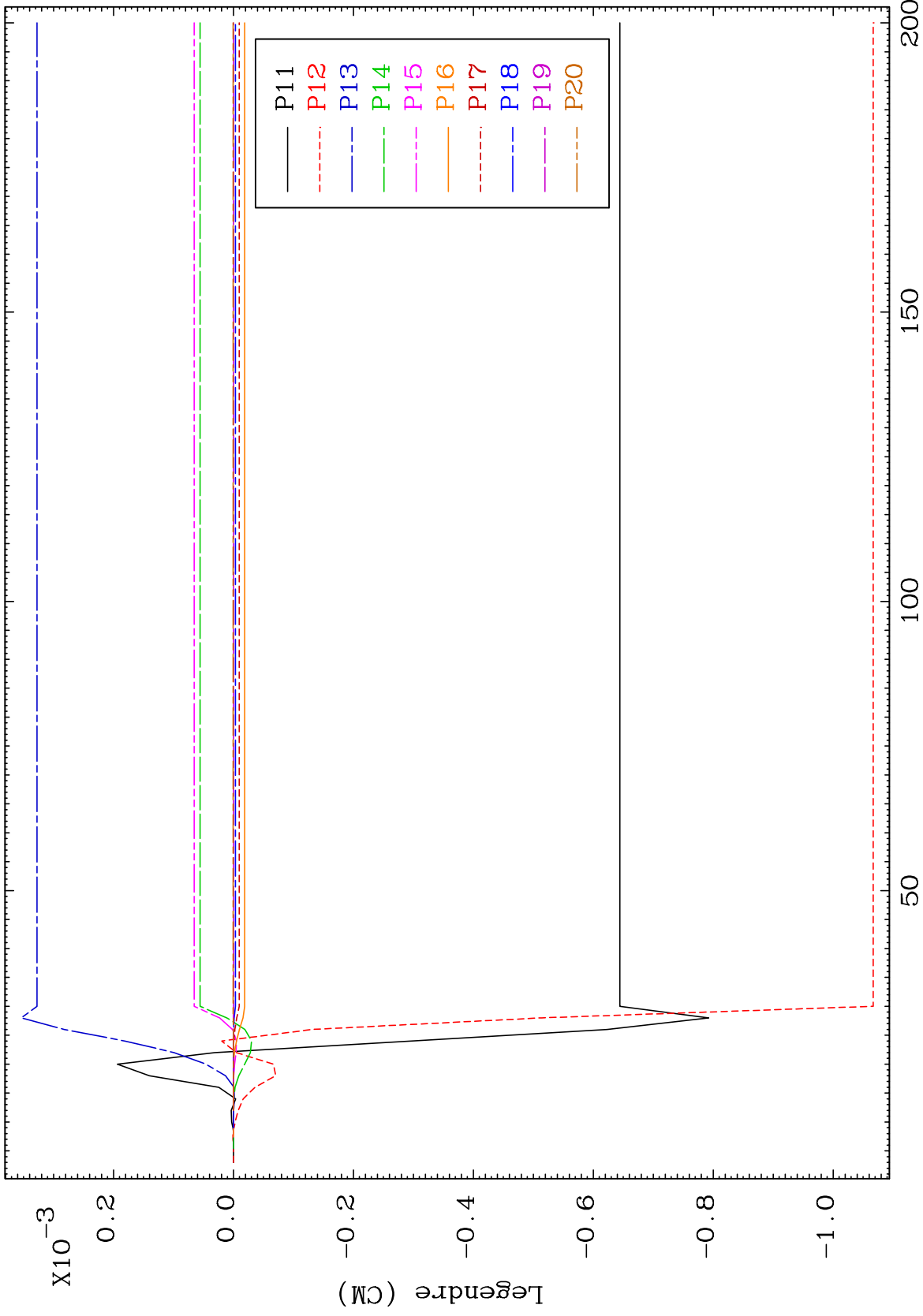
41-Nb-105



MAT 4161

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

41-Nb-105



76

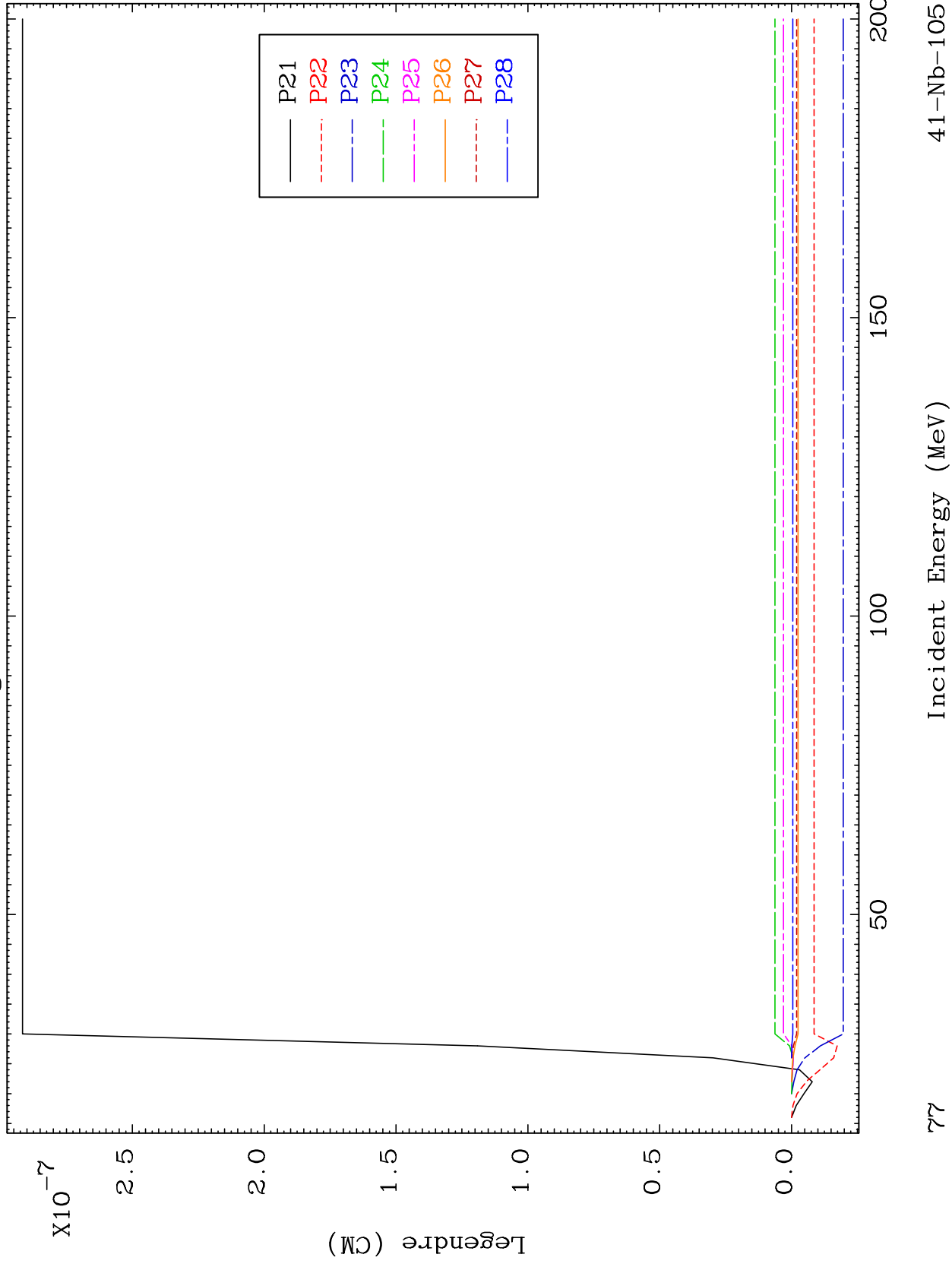
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



77

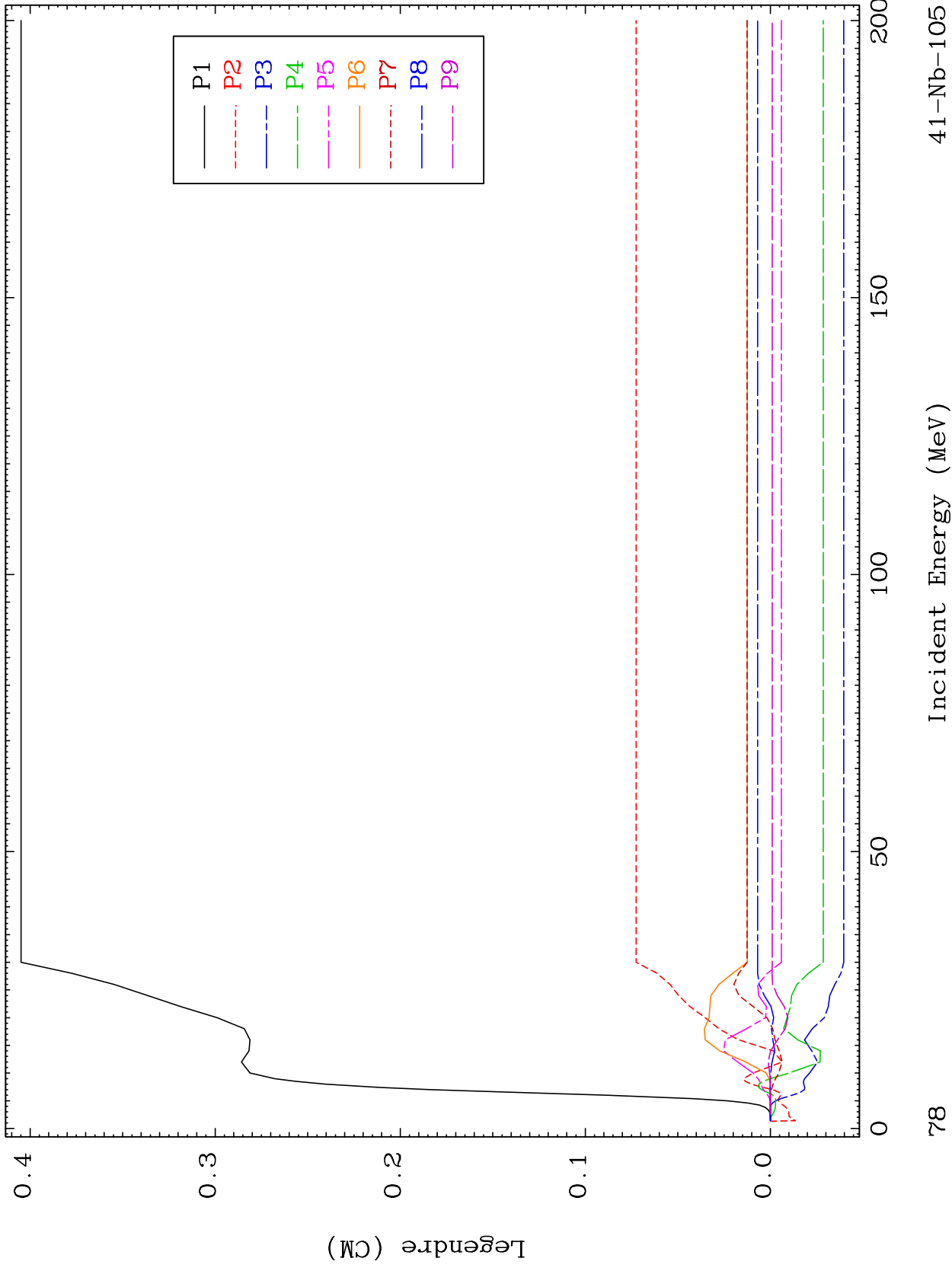
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



78

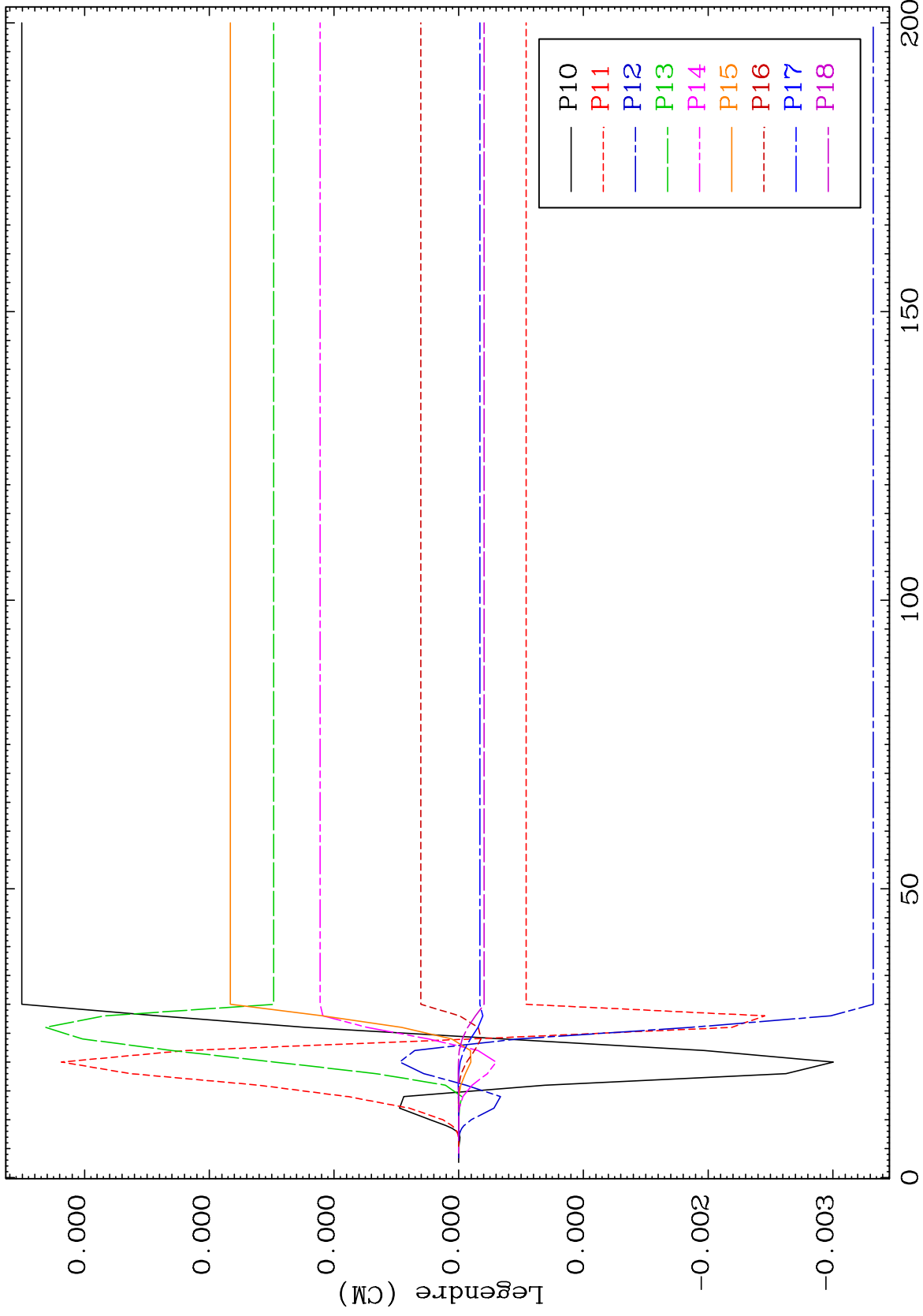
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



79

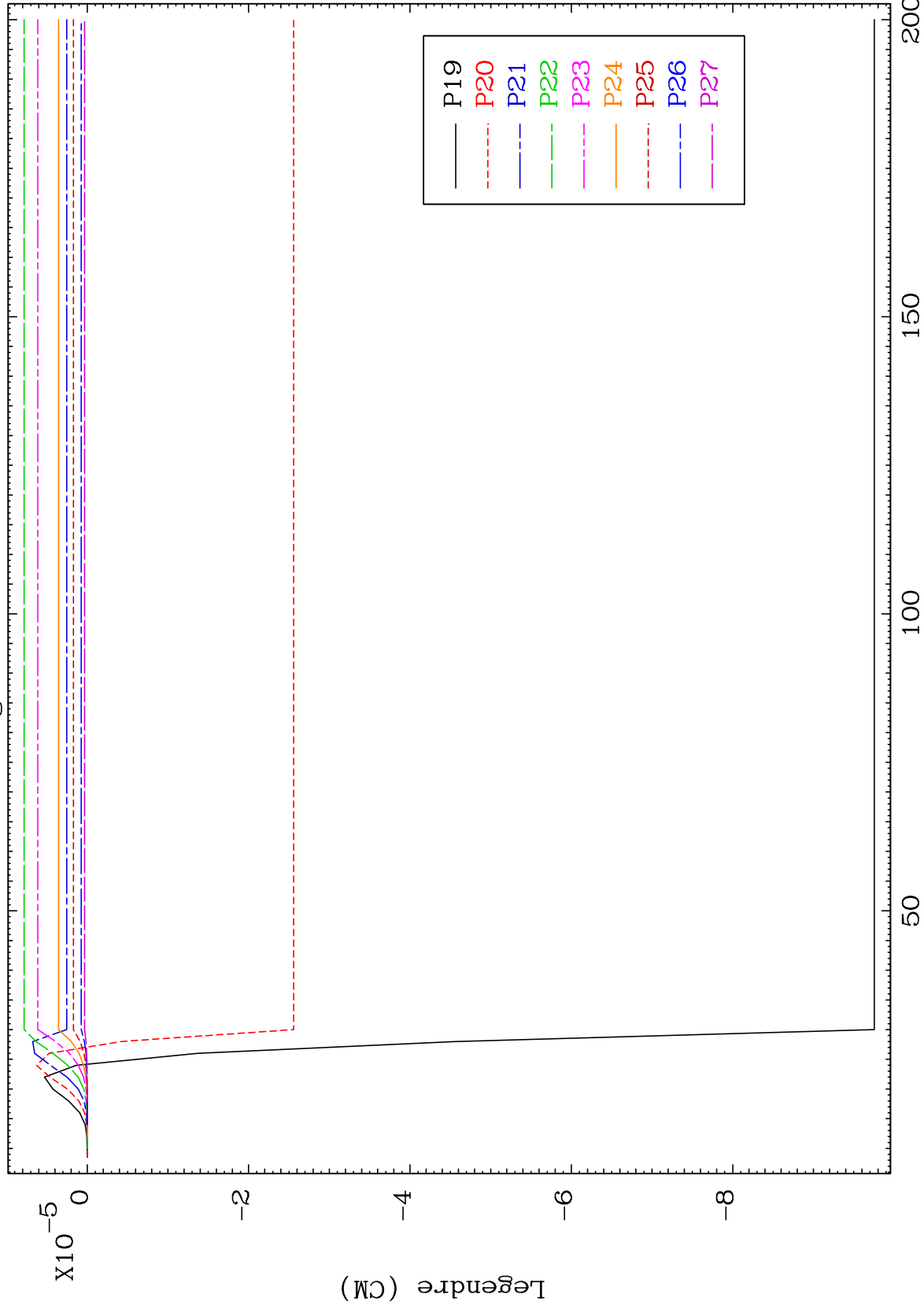
Incident Energy (MeV)

41-Nb-105

MAT 4161

41-Nb-105

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



80

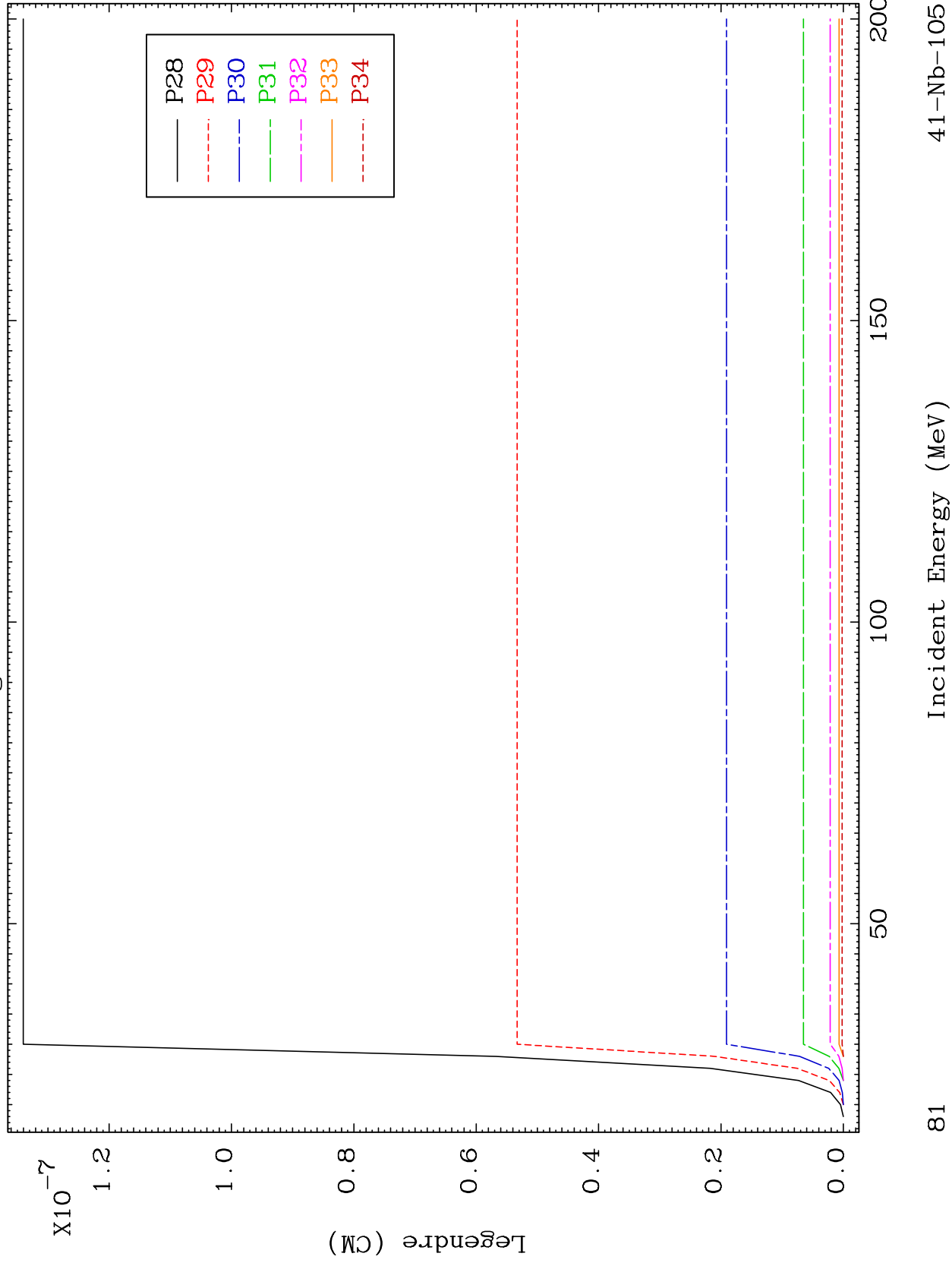
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



81

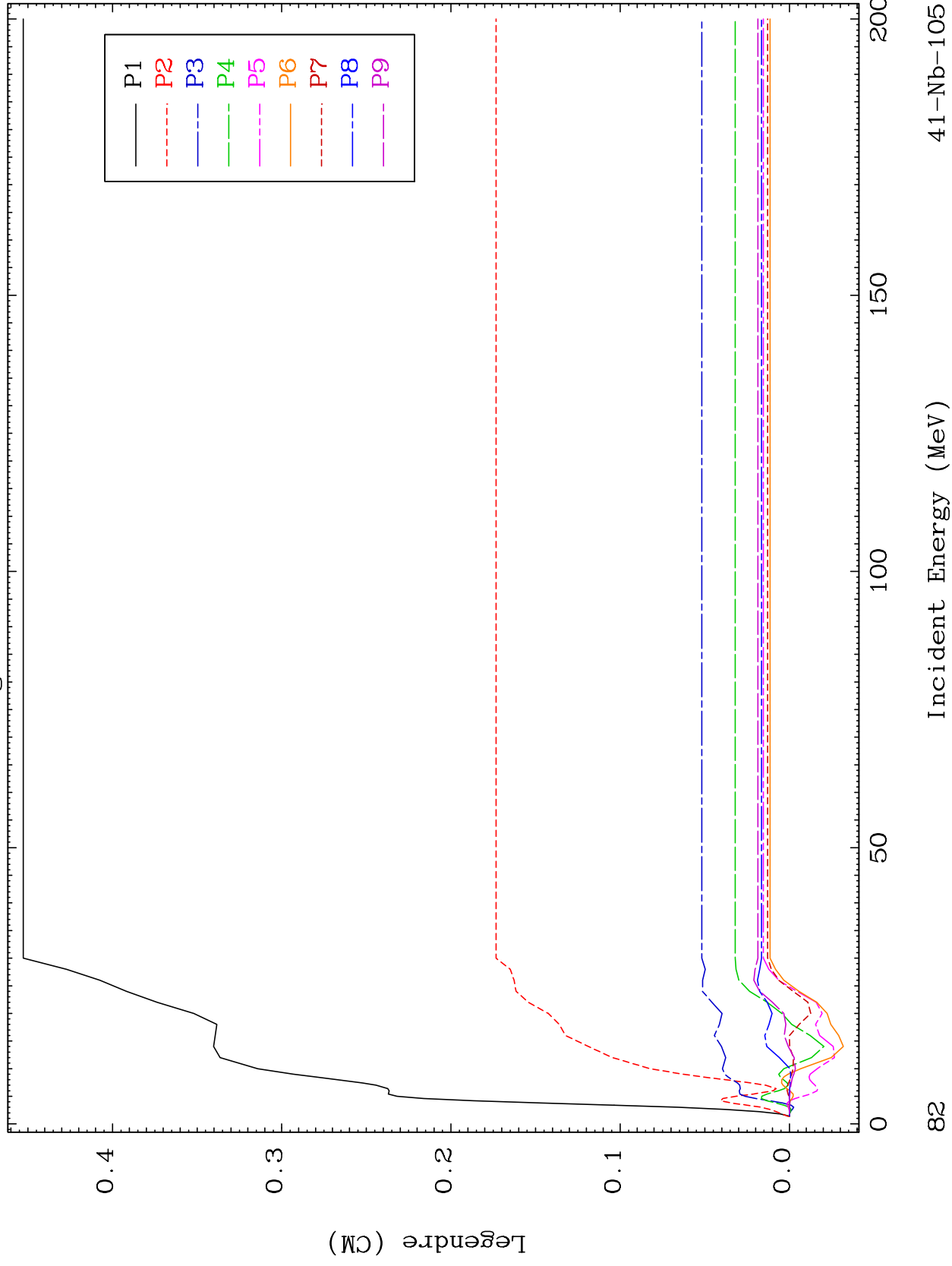
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



41-Nb-105

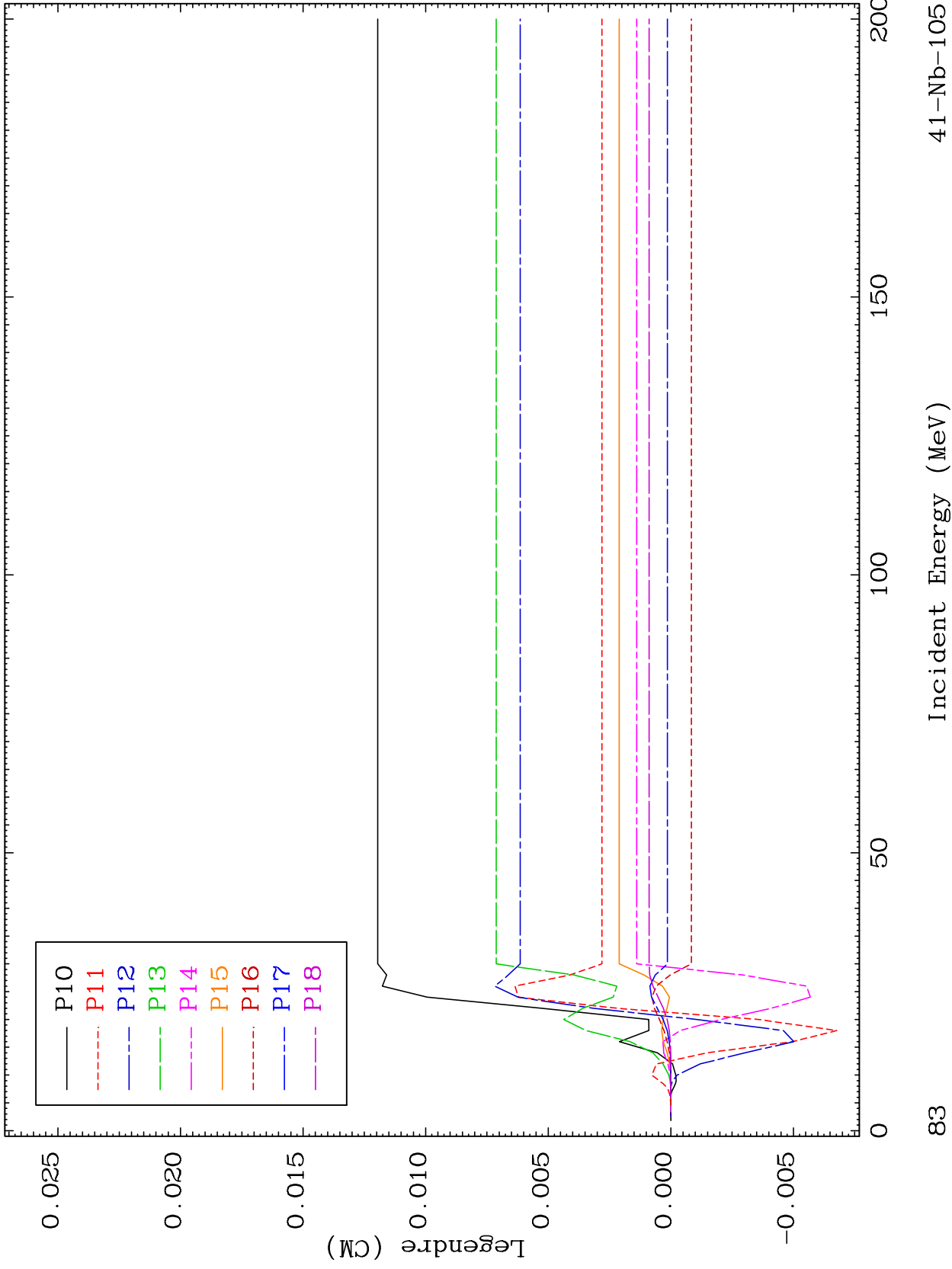
Incident Energy (MeV)

82

MAT 4161

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

41-Nb-105



83

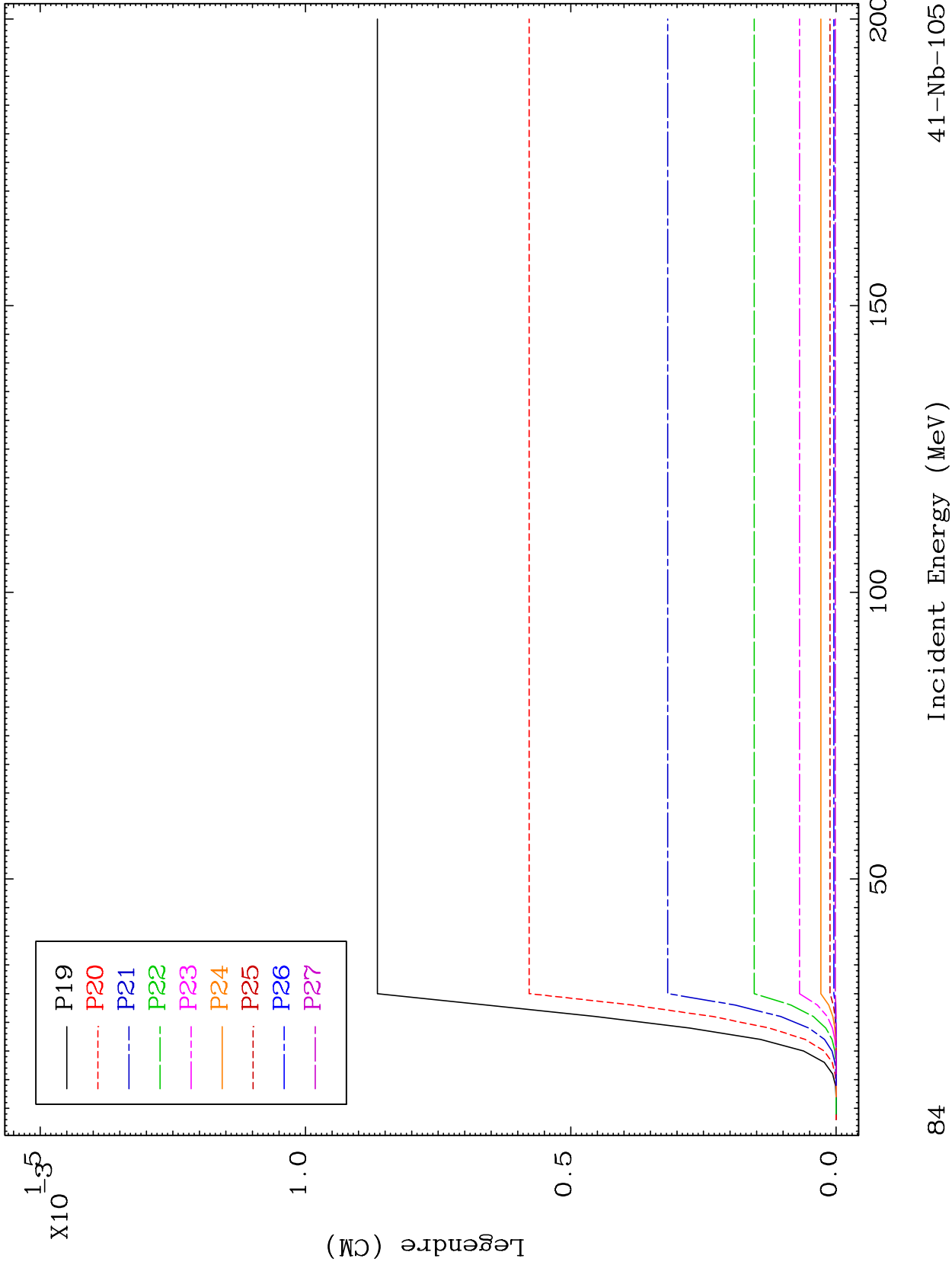
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

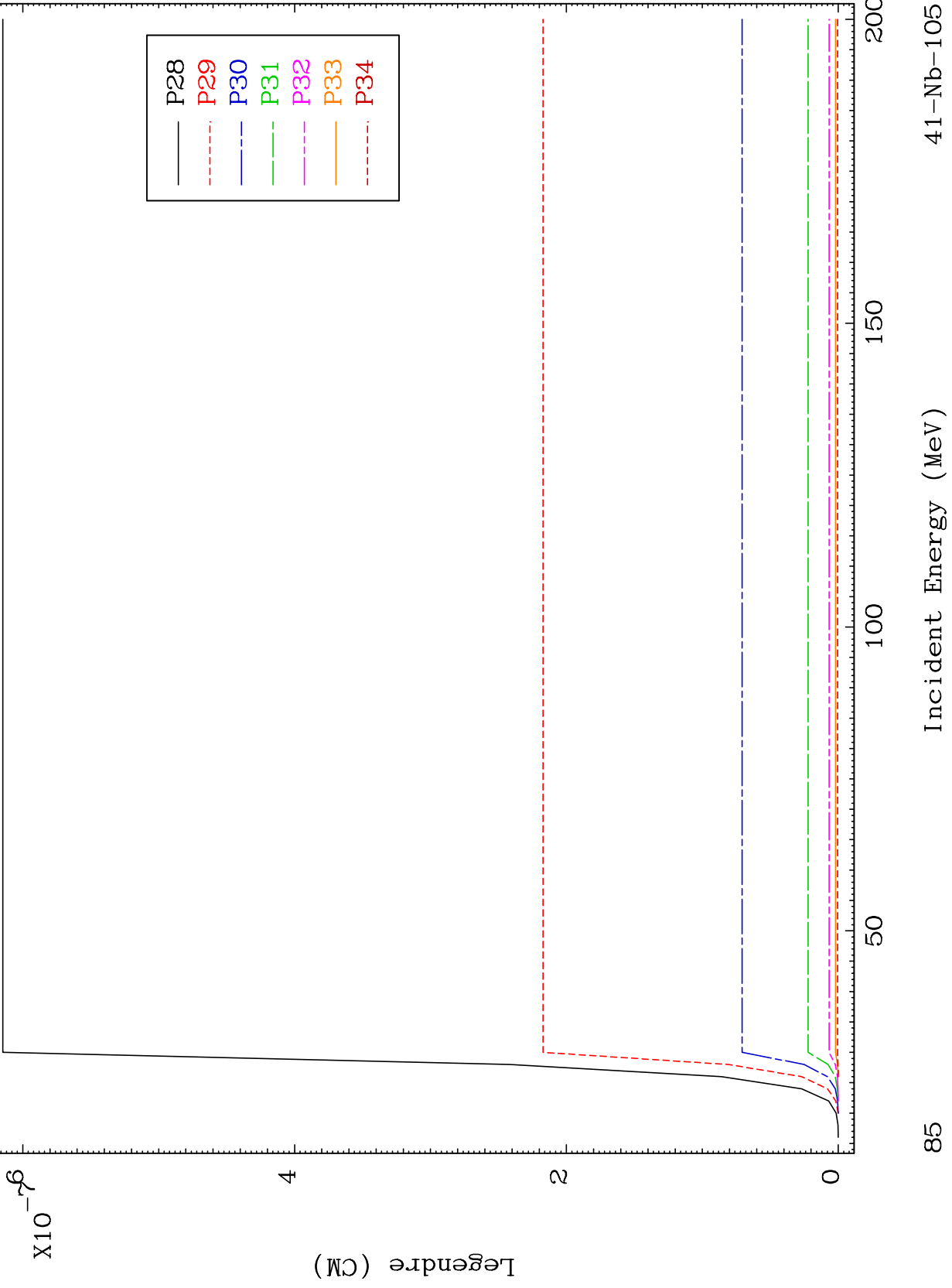
41-Nb-105



MAT 4161

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

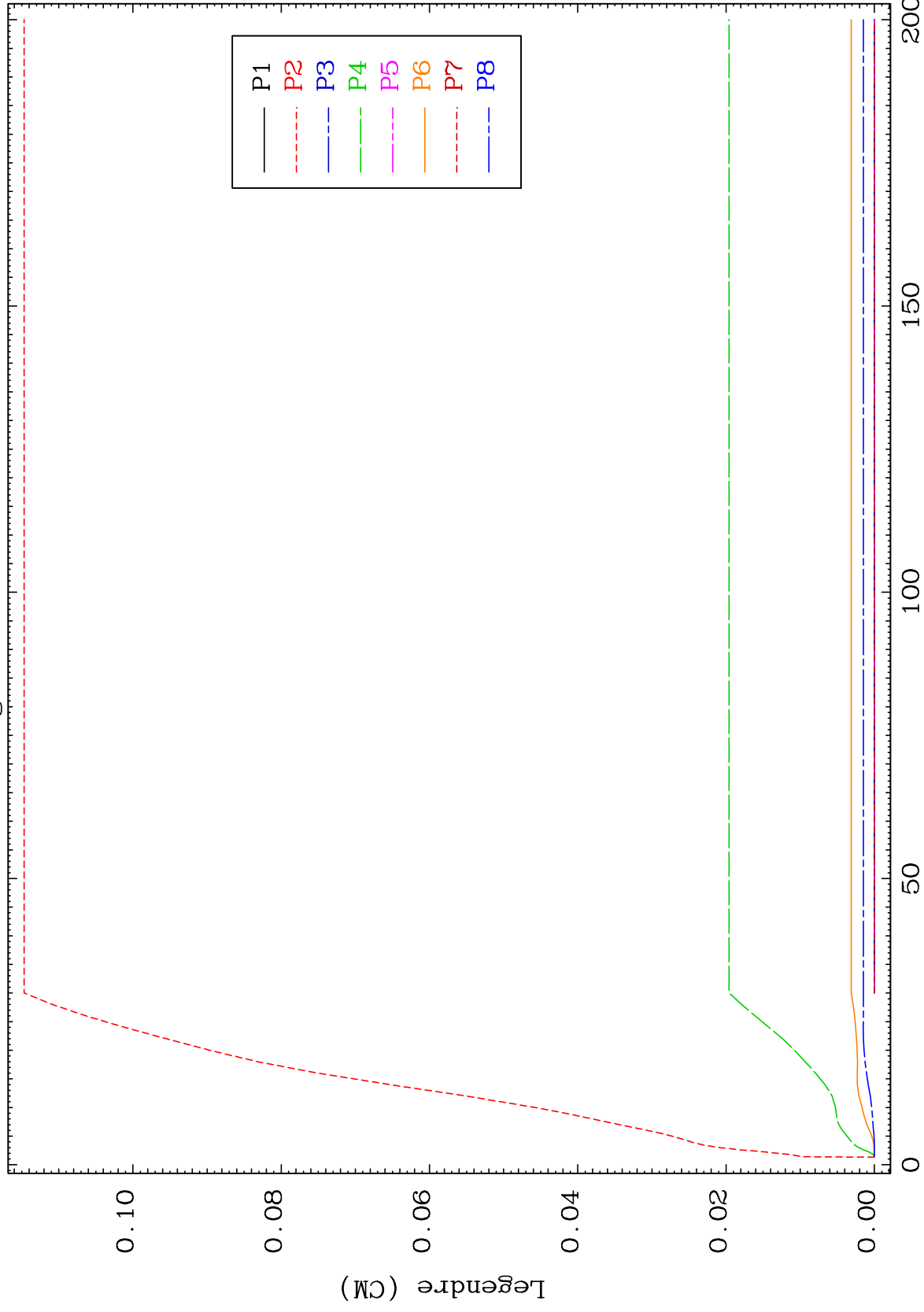
41-Nb-105



MAT 4161

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

41-Nb-105



86

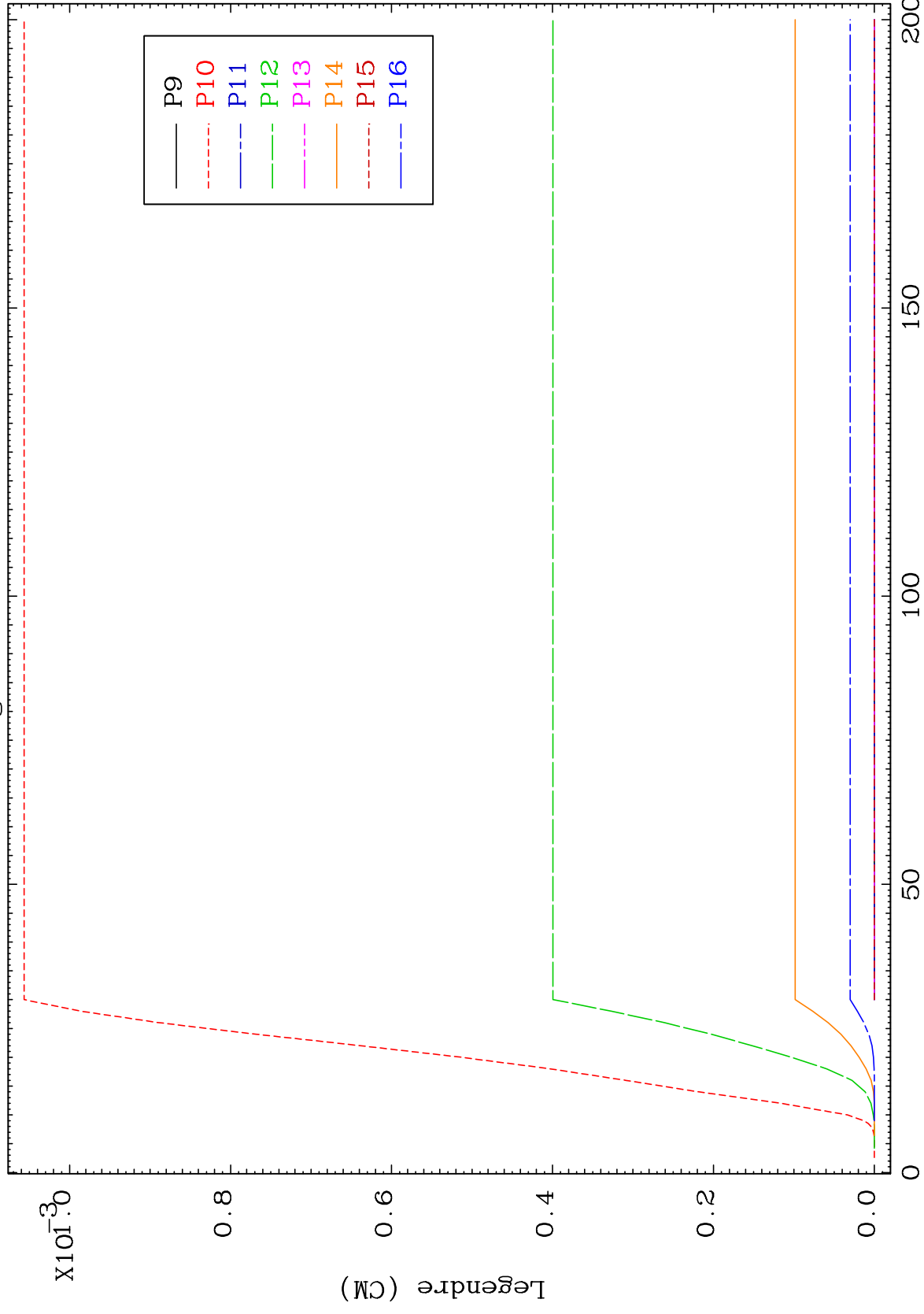
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

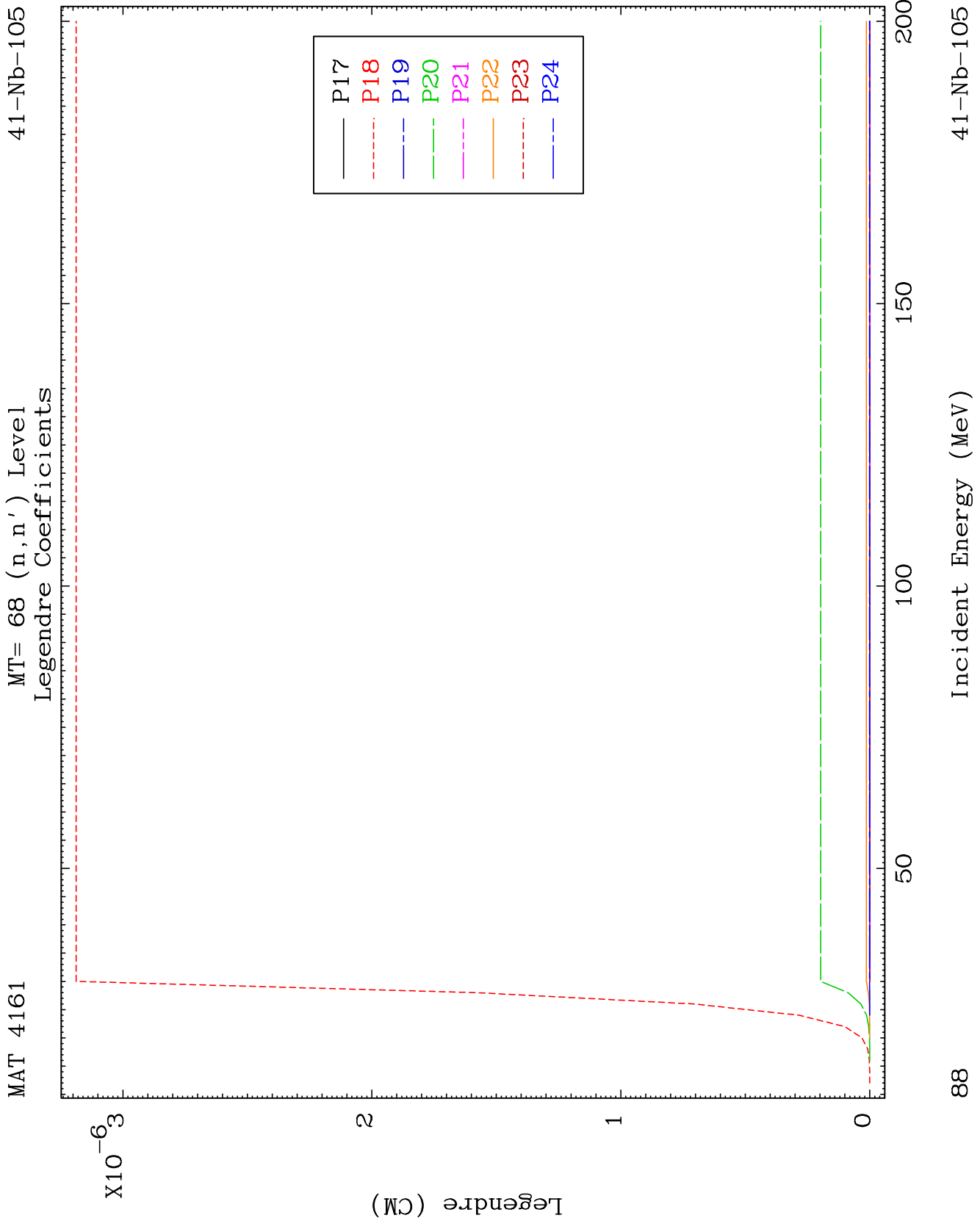
41-Nb-105



87

Incident Energy (MeV)

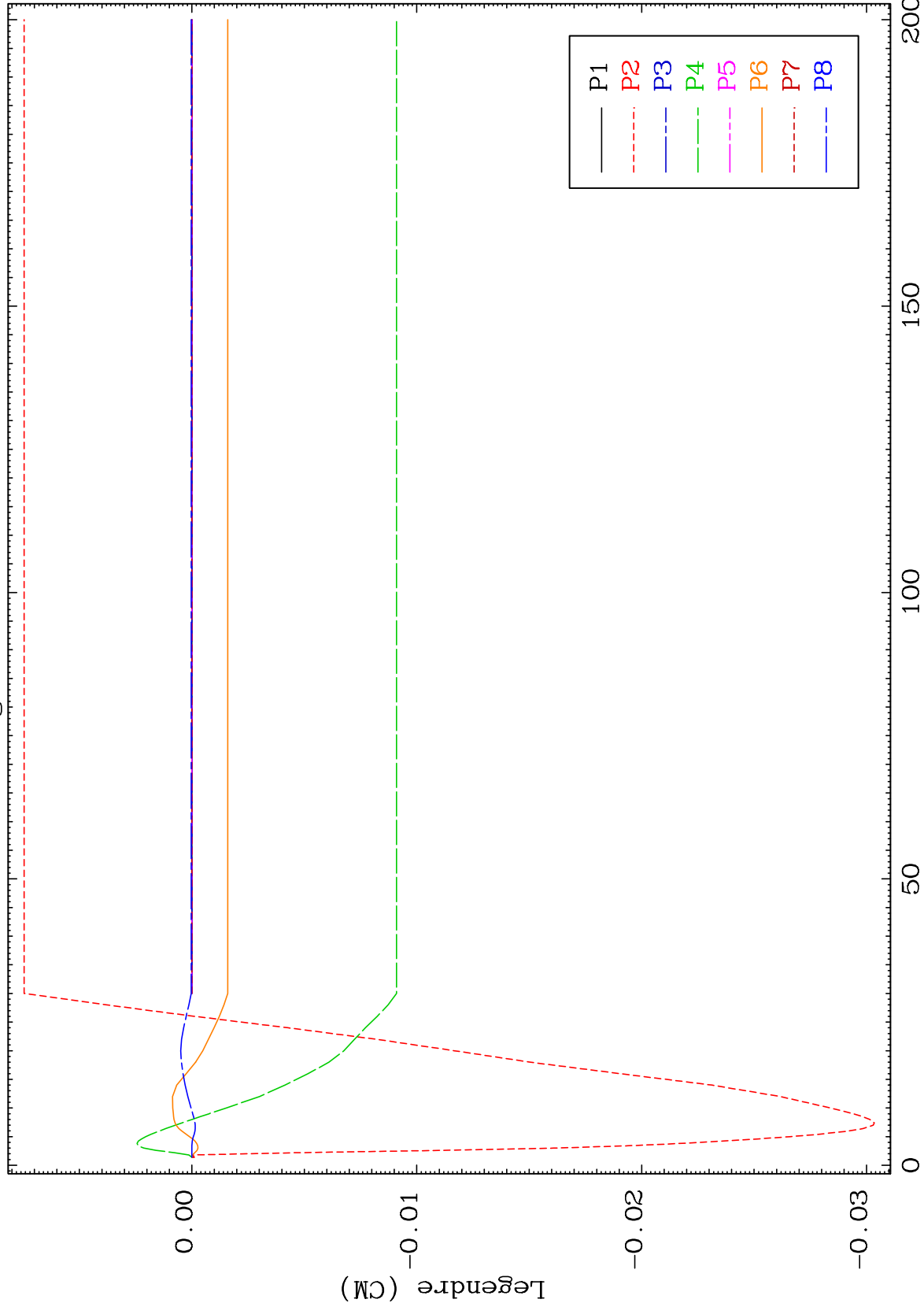
41-Nb-105



MAT 4161

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

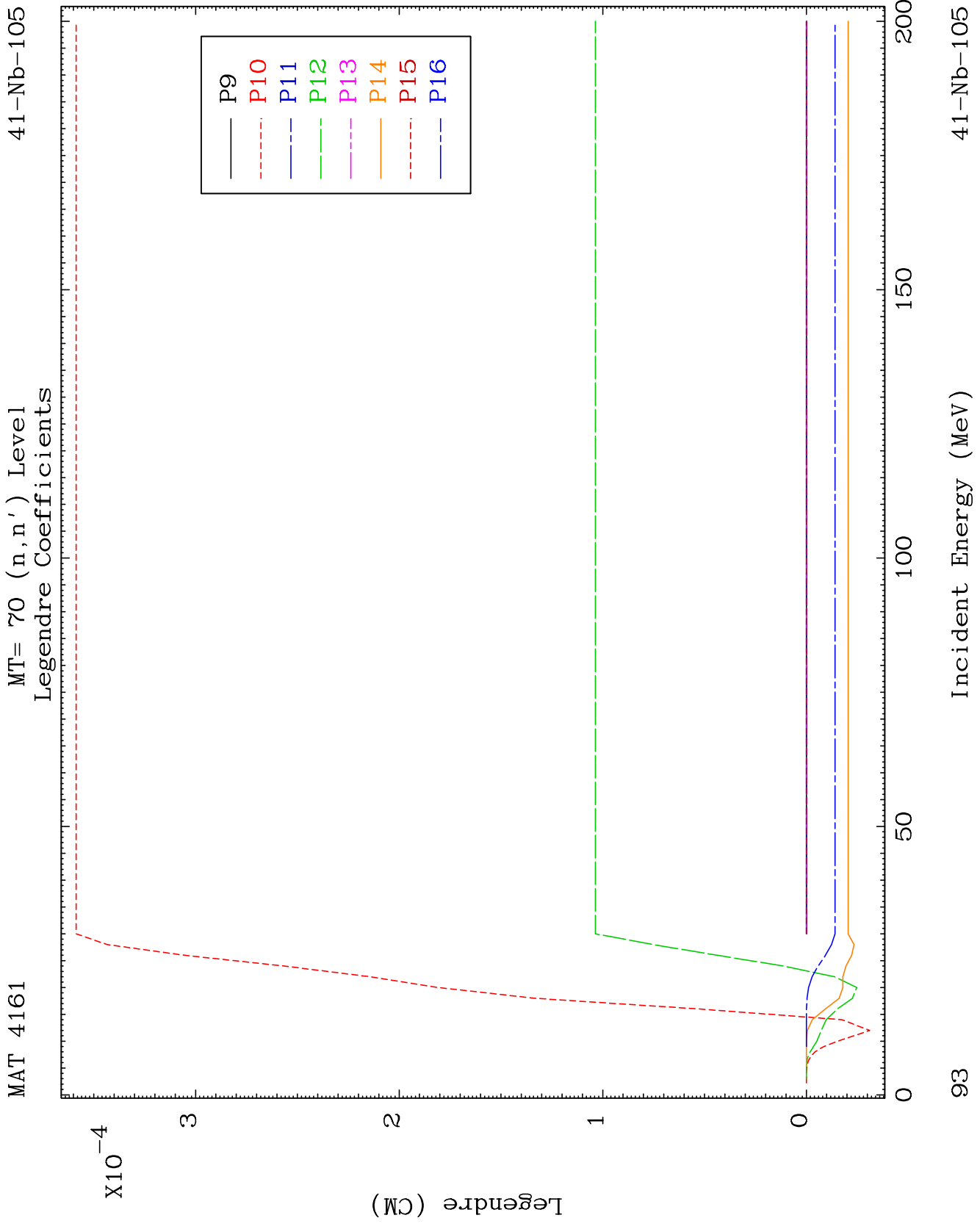
41-Nb-105

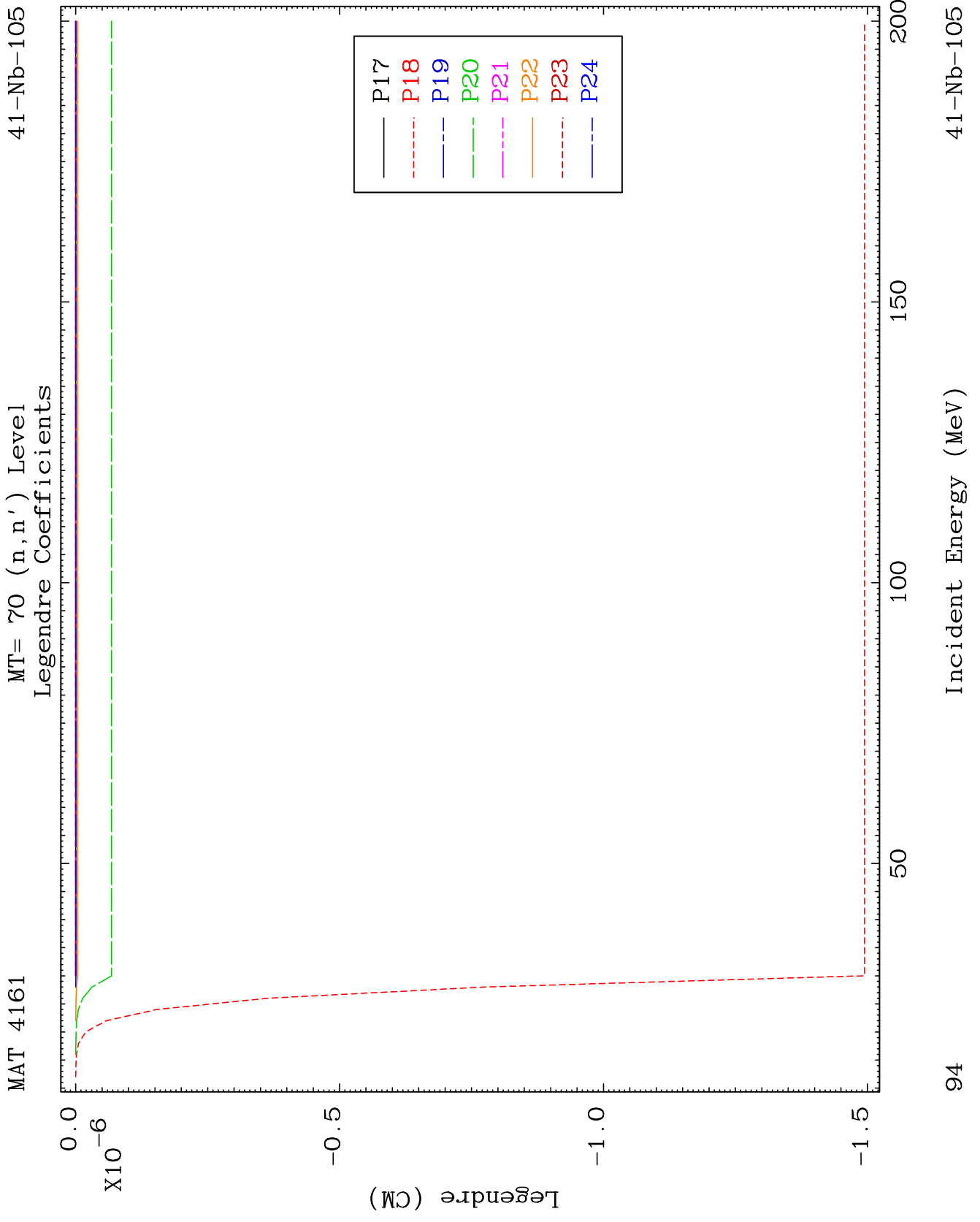


92

Incident Energy (MeV)

41-Nb-105

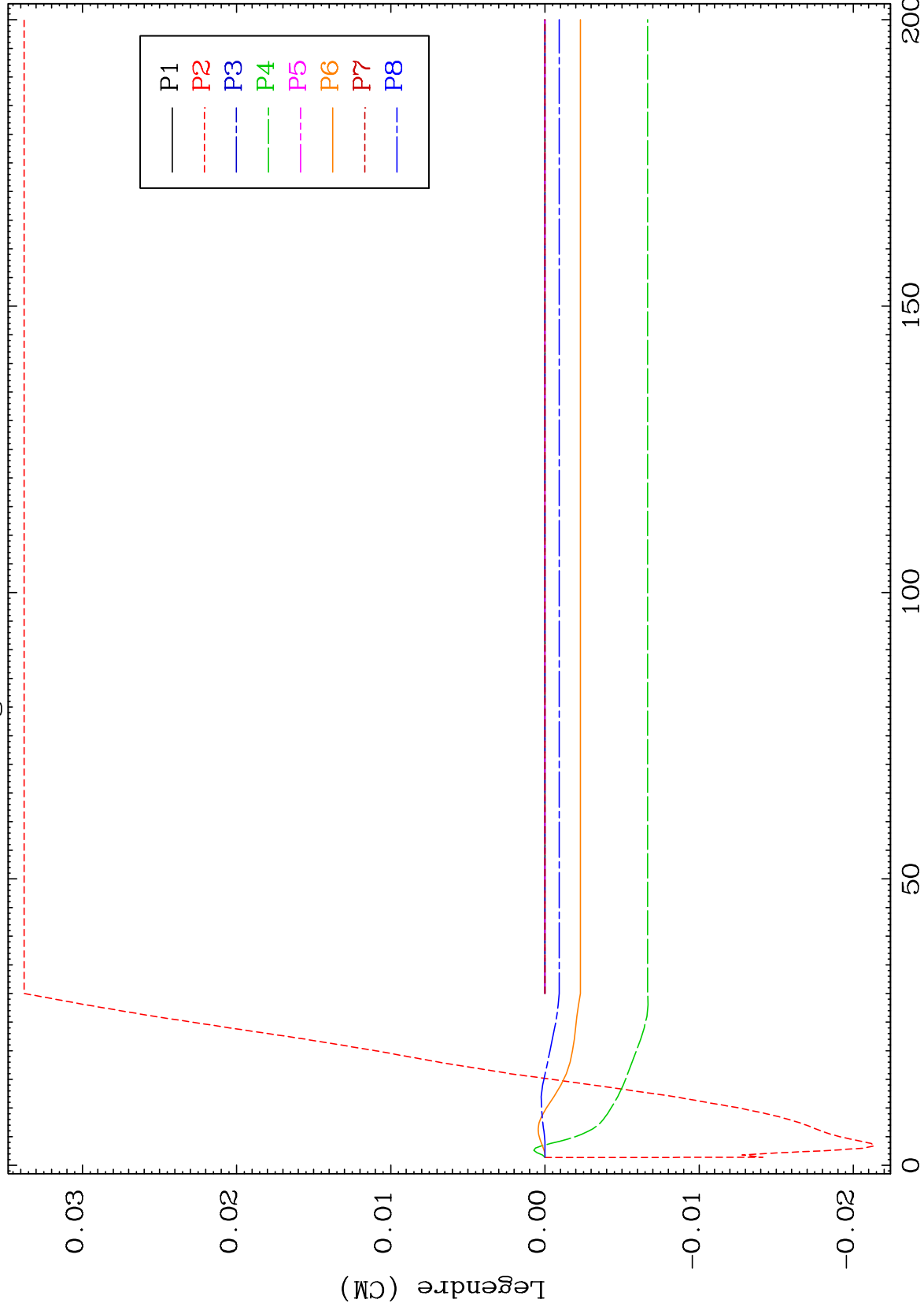




MAT 4161

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

41-Nb-105



95

Incident Energy (MeV)

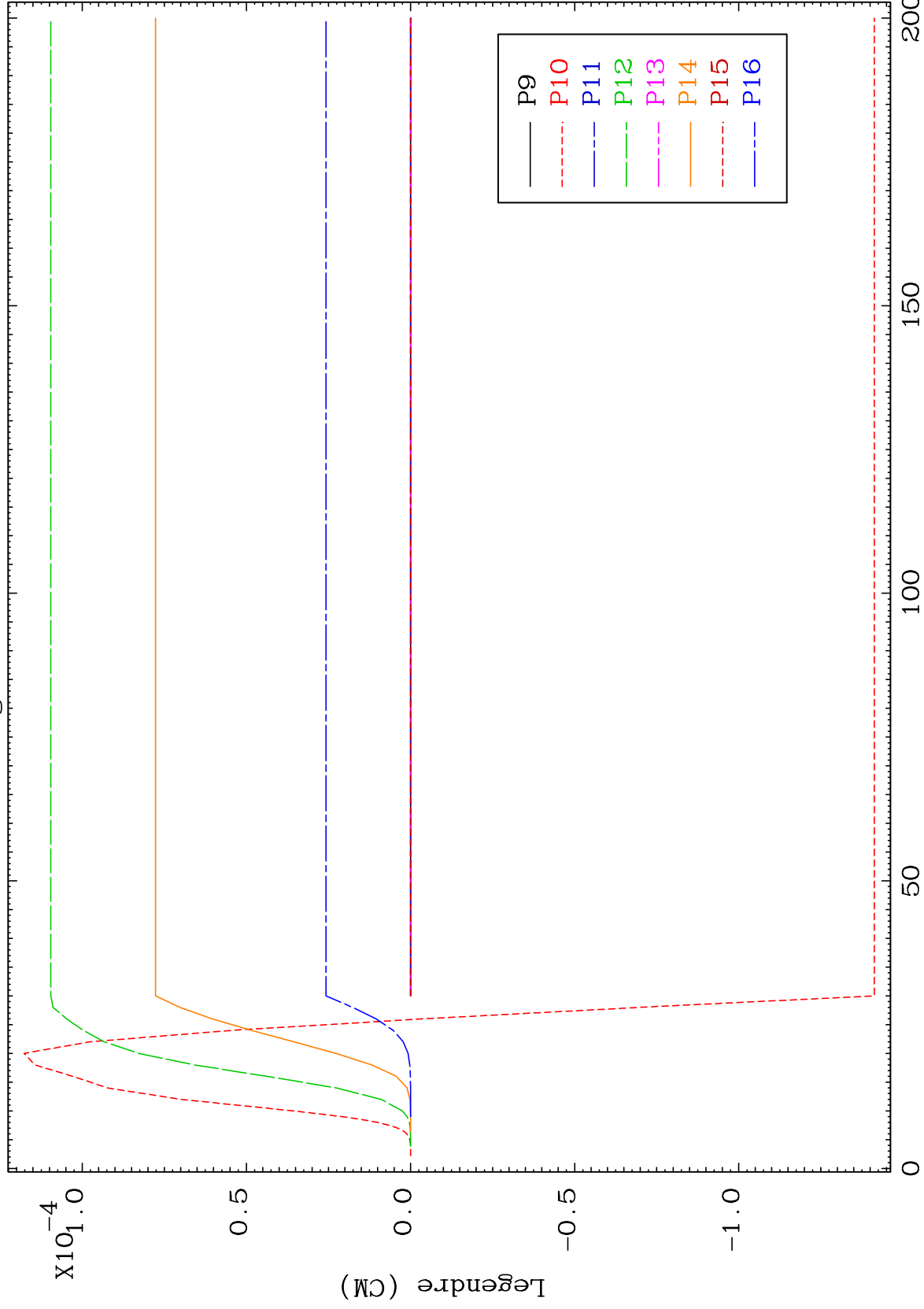
41-Nb-105

MAT 4161

MT= 71 (n,n') Level

41-Nb-105

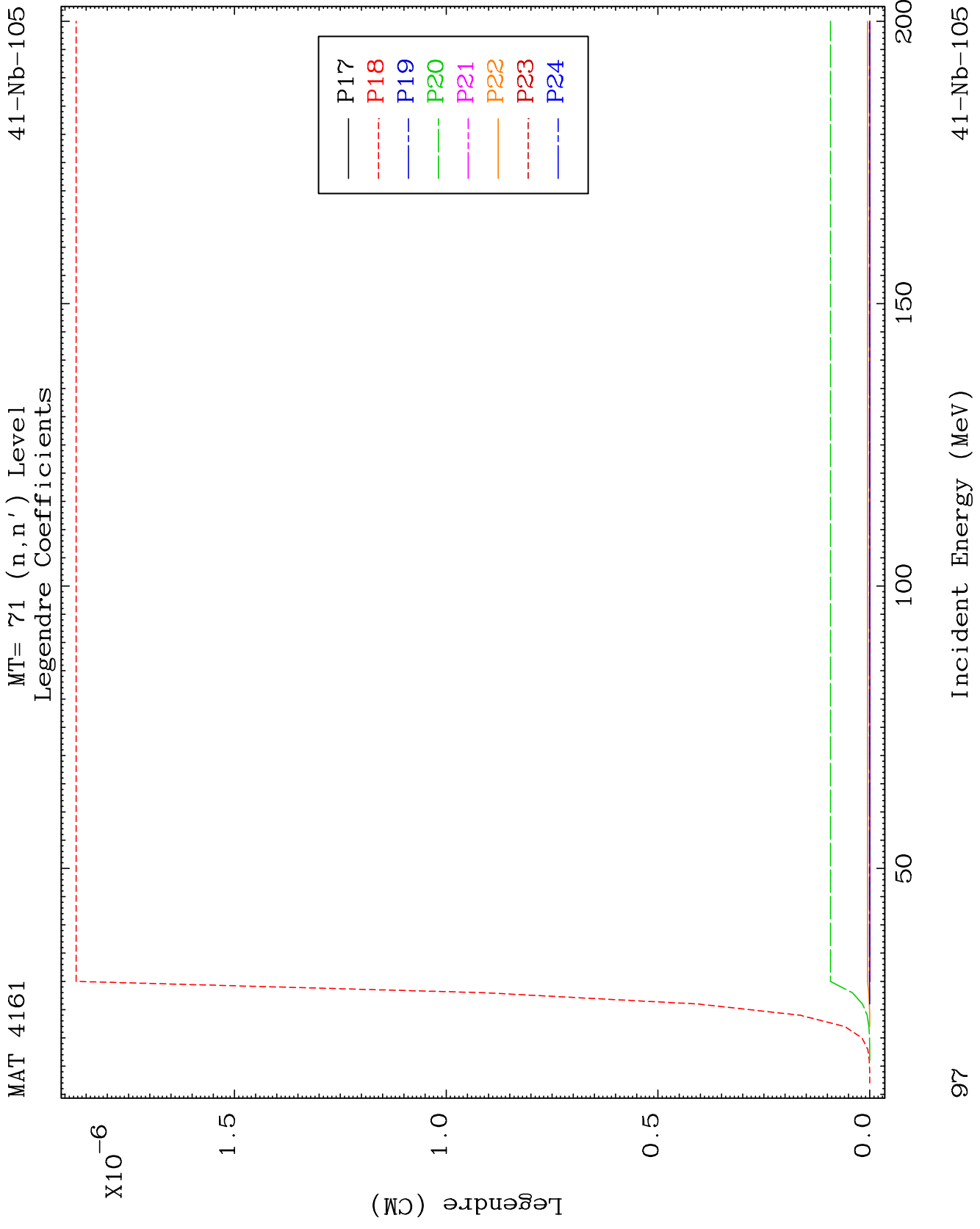
Legendre Coefficients



96

Incident Energy (MeV)

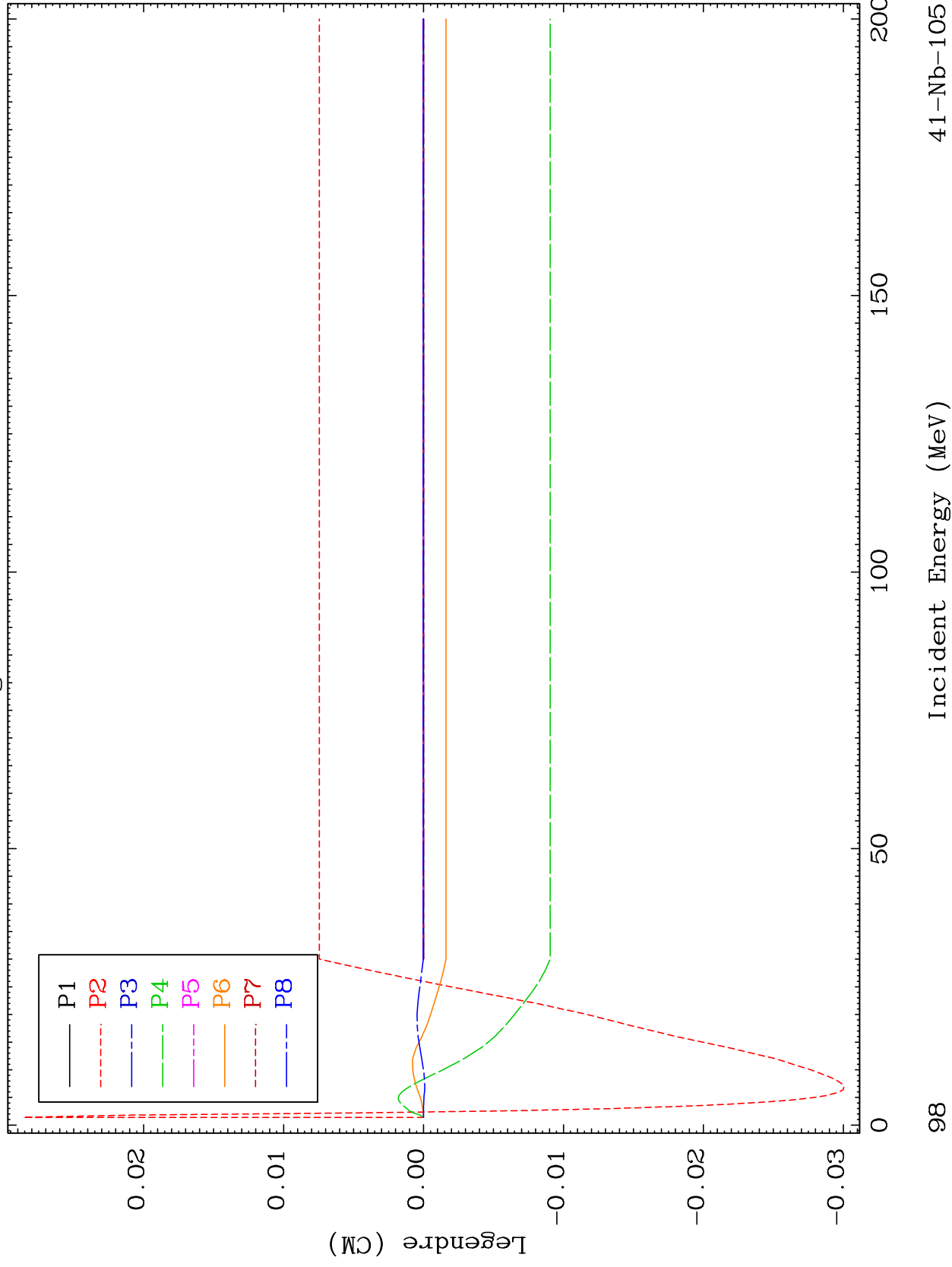
41-Nb-105



MAT 4161

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

41-Nb-105



98

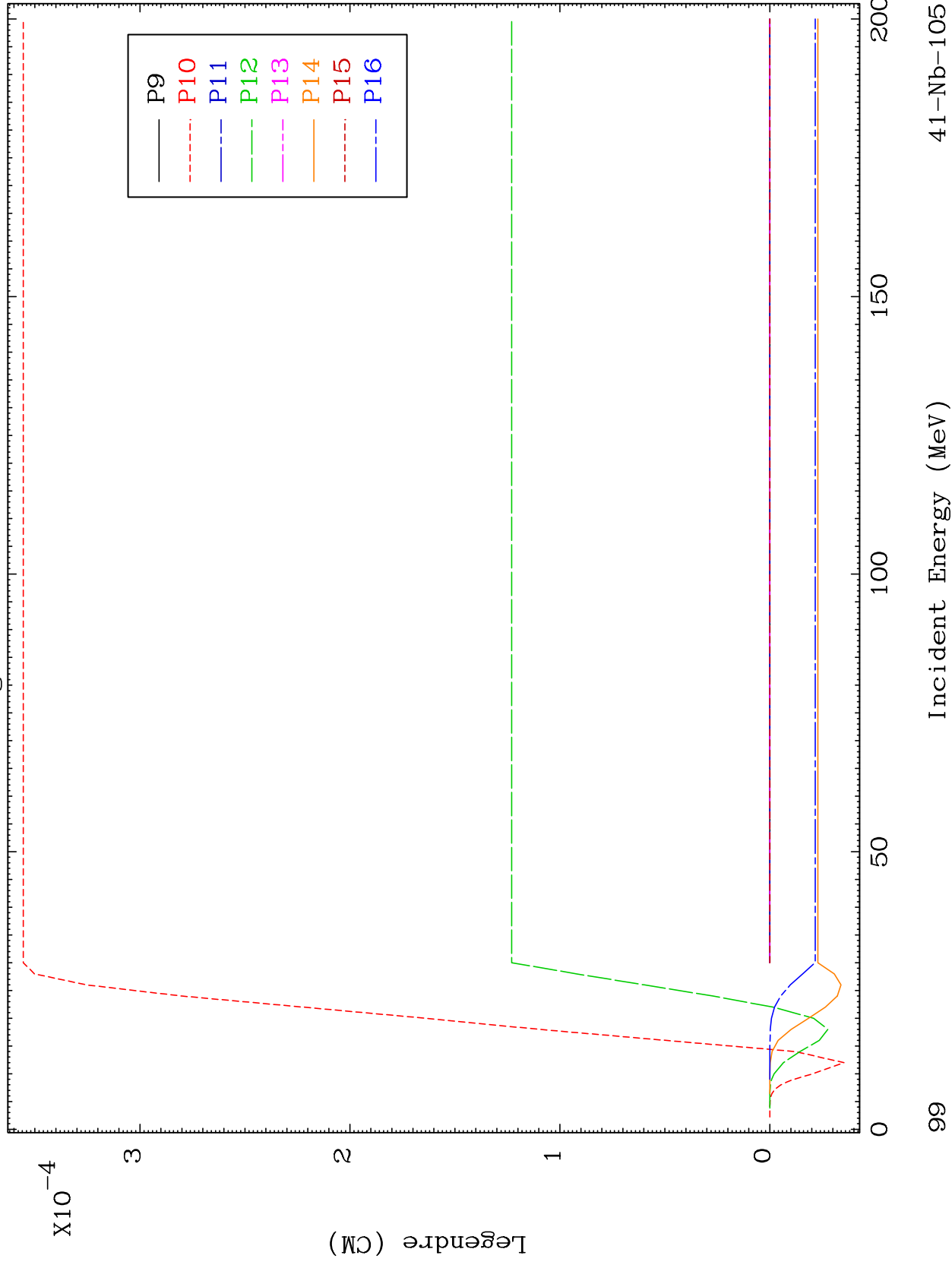
Incident Energy (MeV)

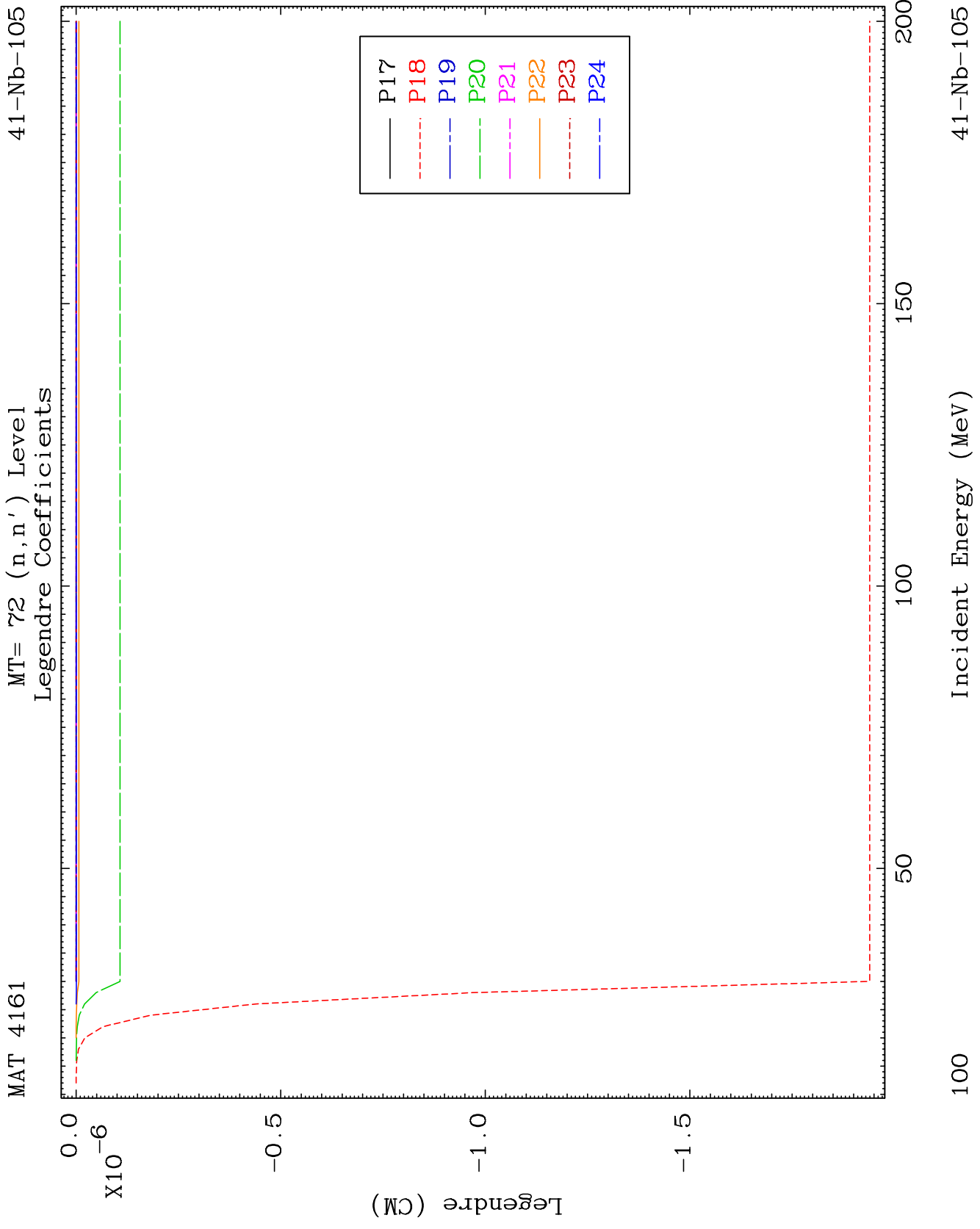
41-Nb-105

MAT 4161

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

41-Nb-105

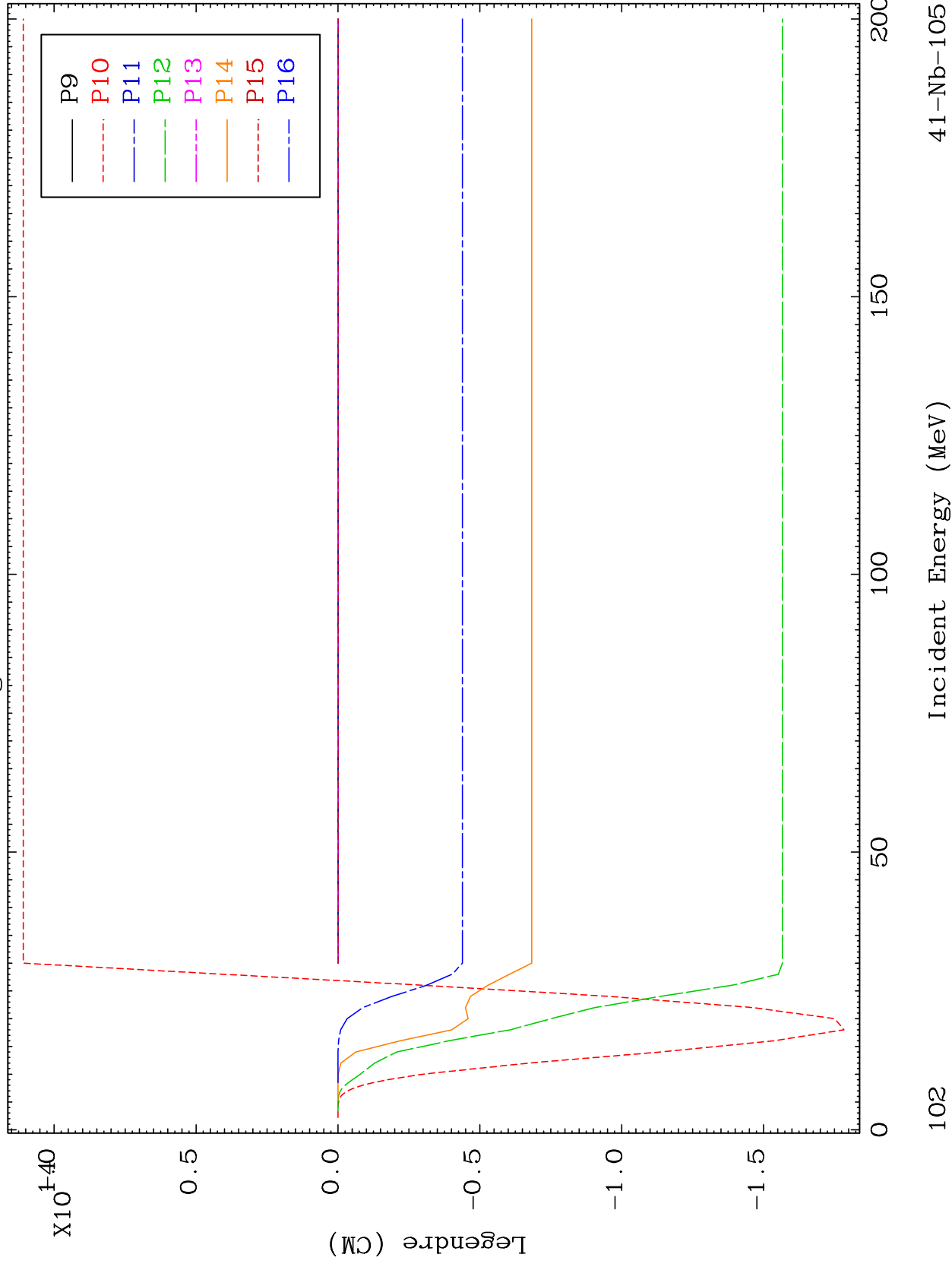




MAT 4161

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

41-Nb-105



102

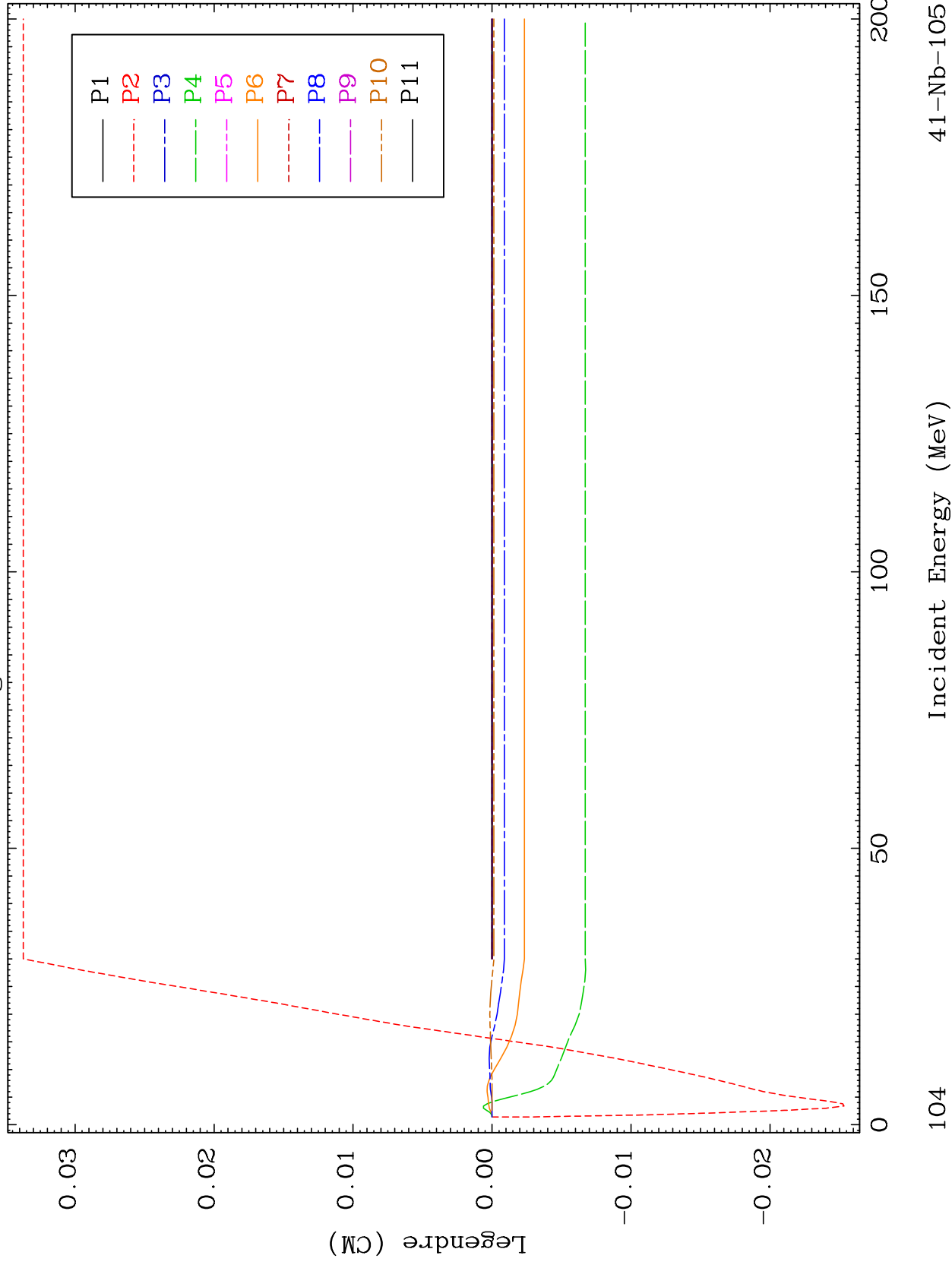
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

41-Nb-105



41-Nb-105

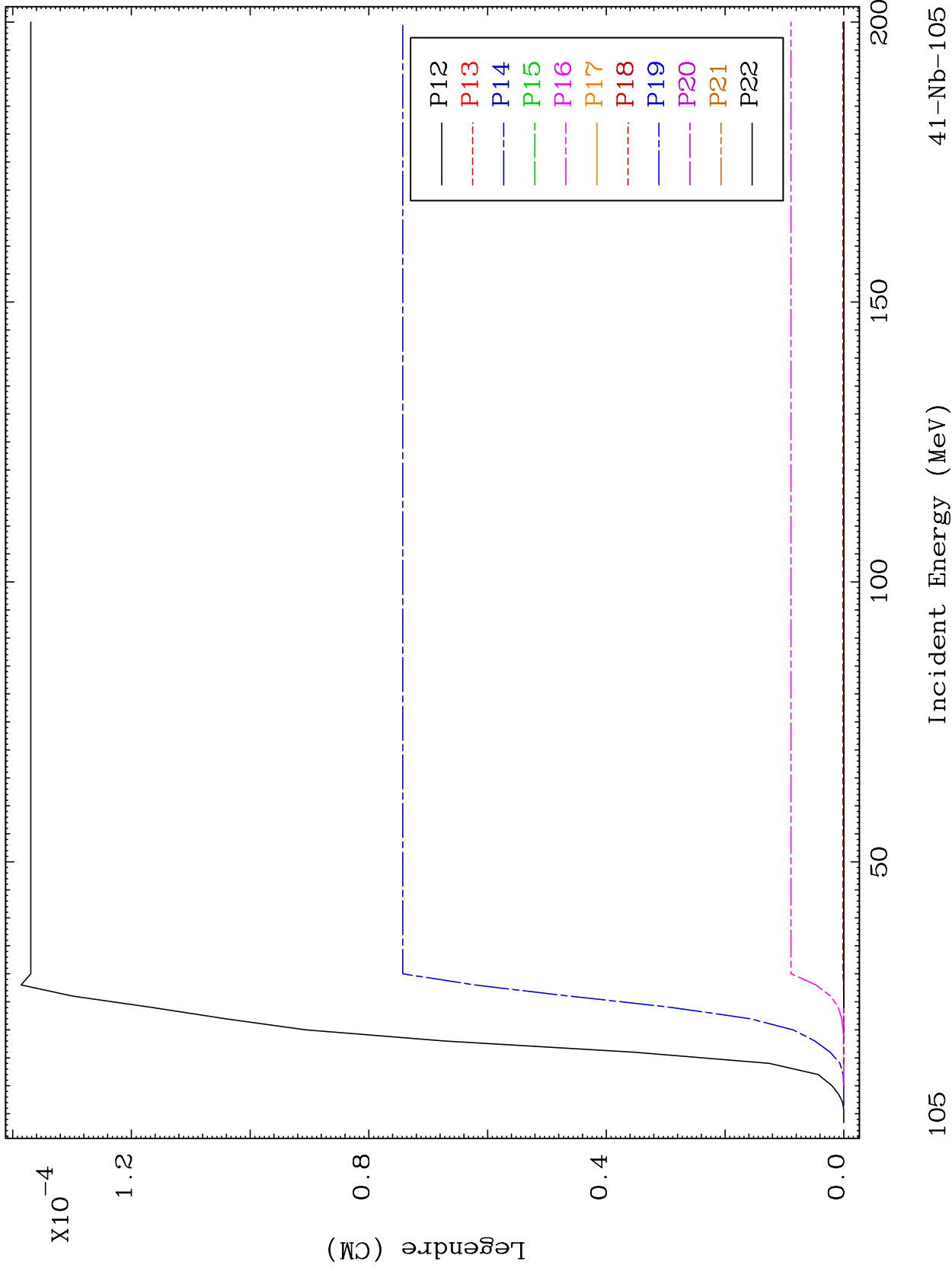
Incident Energy (MeV)

104

MAT 4161

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

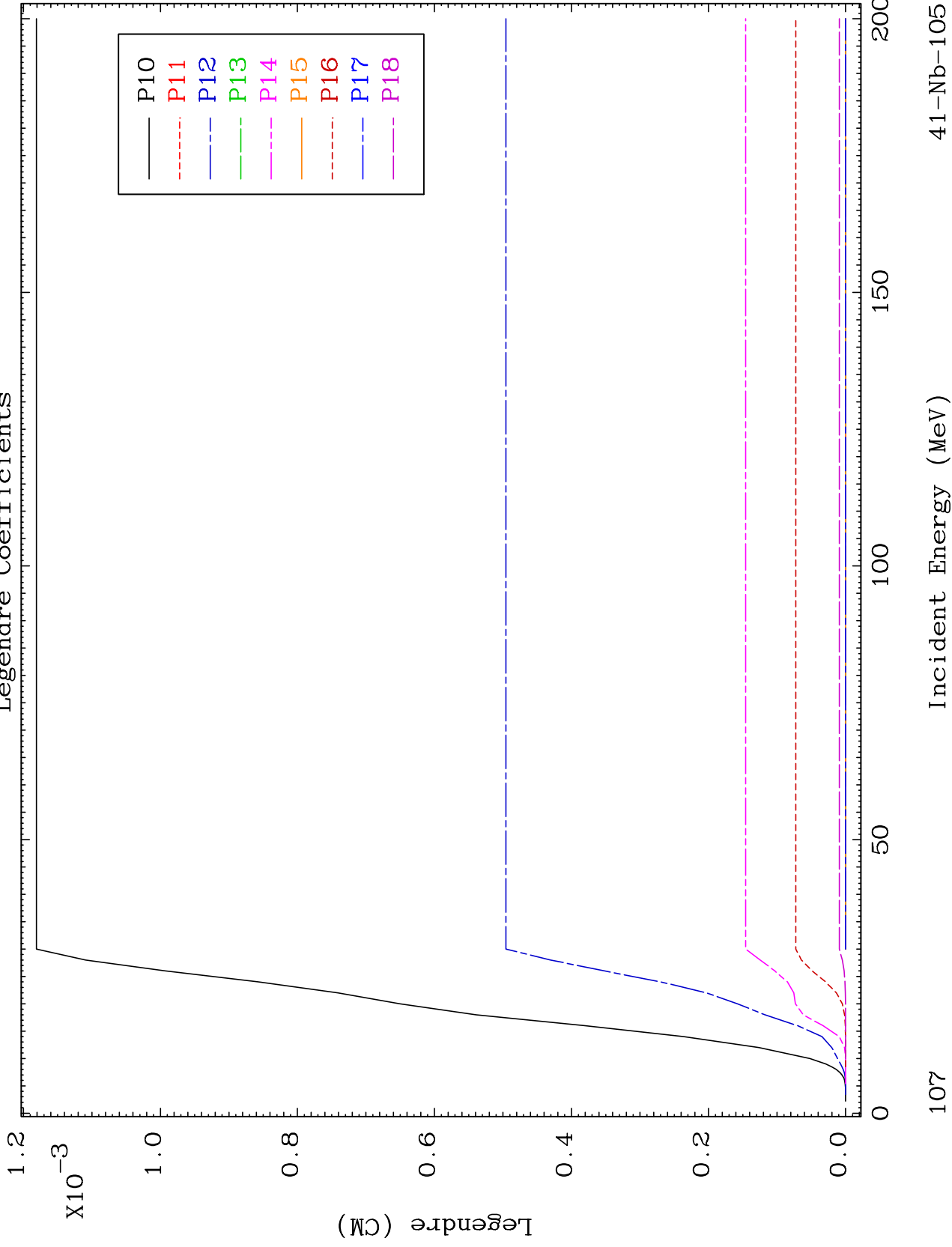
41-Nb-105



MAT 4161

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

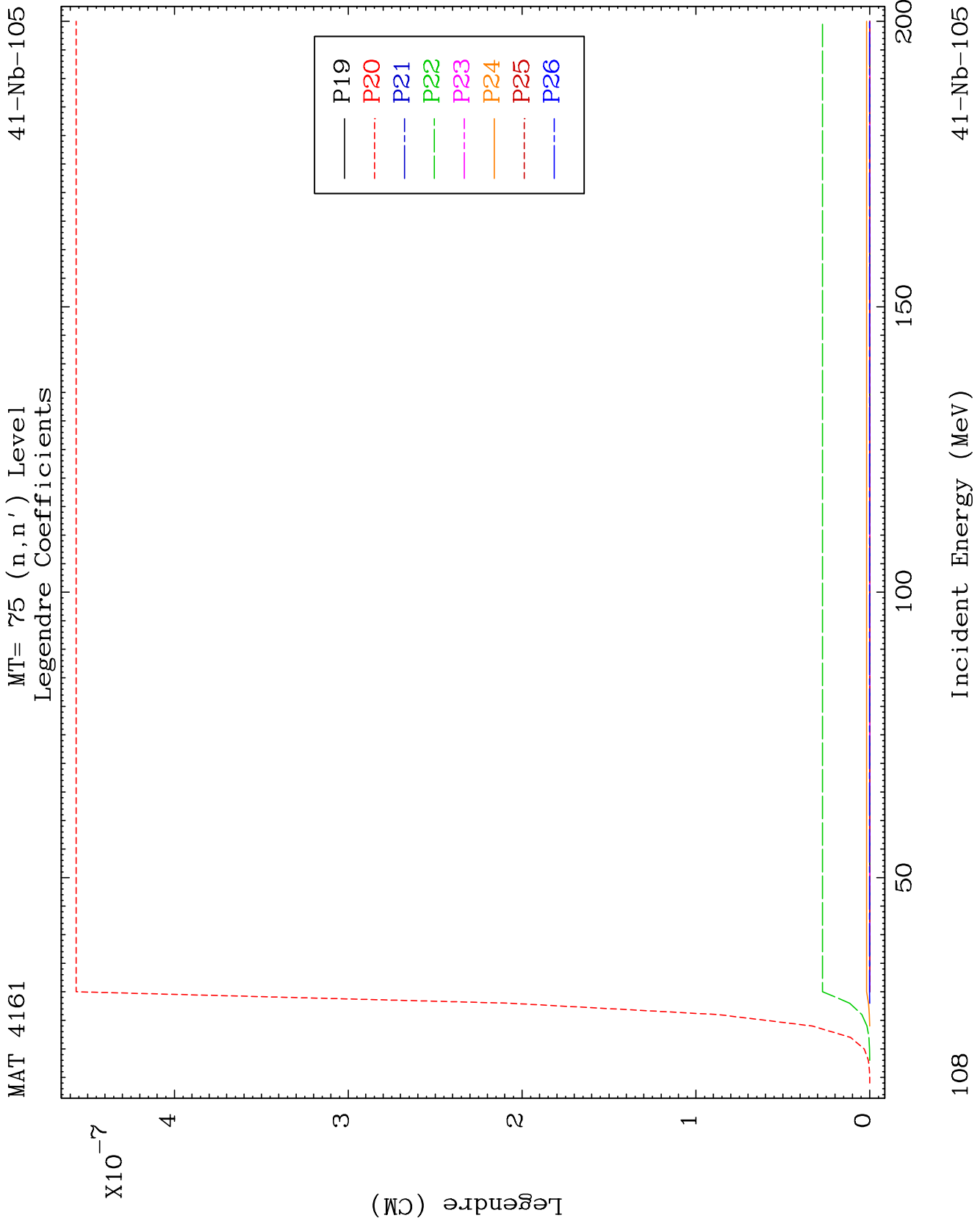
41-Nb-105

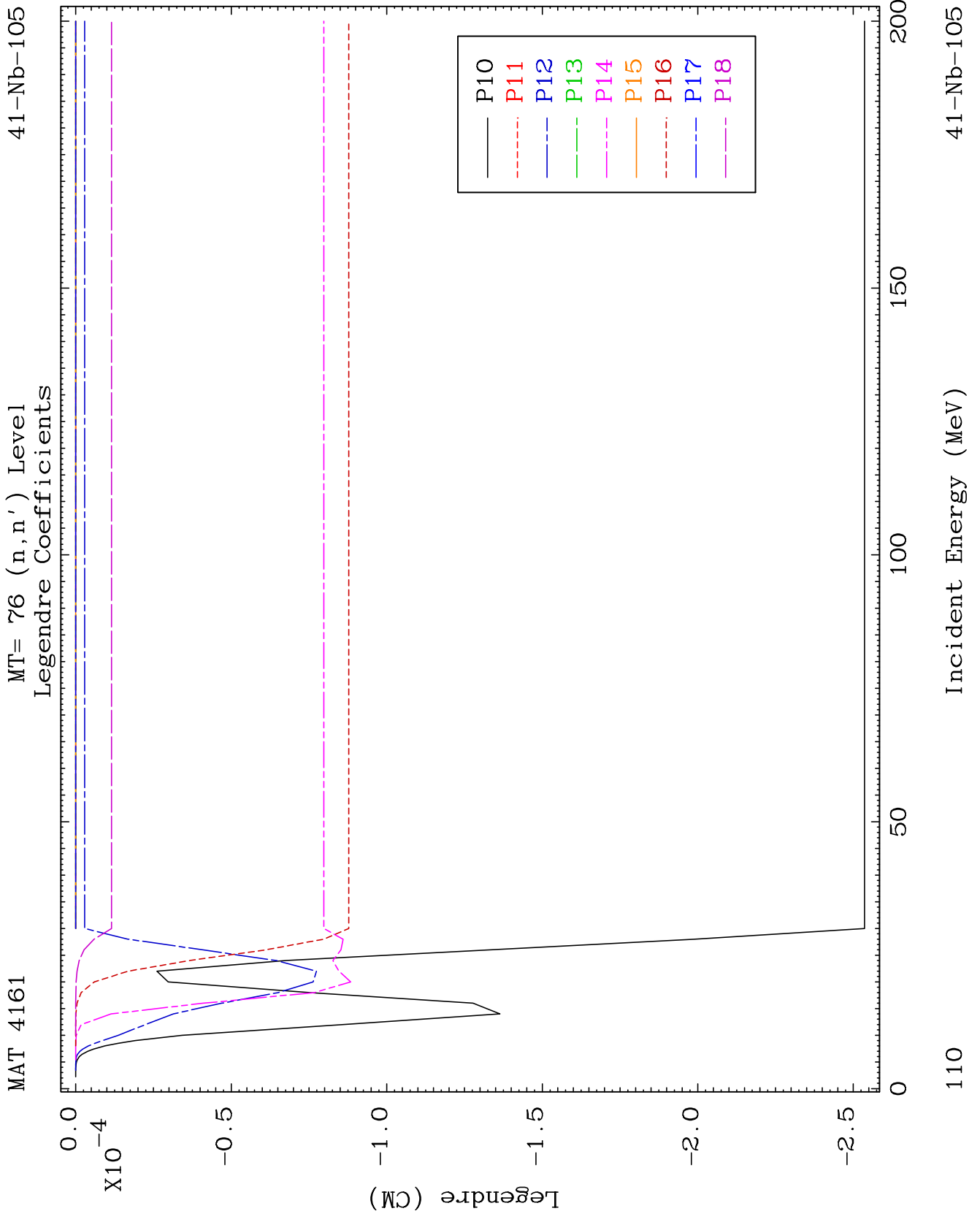


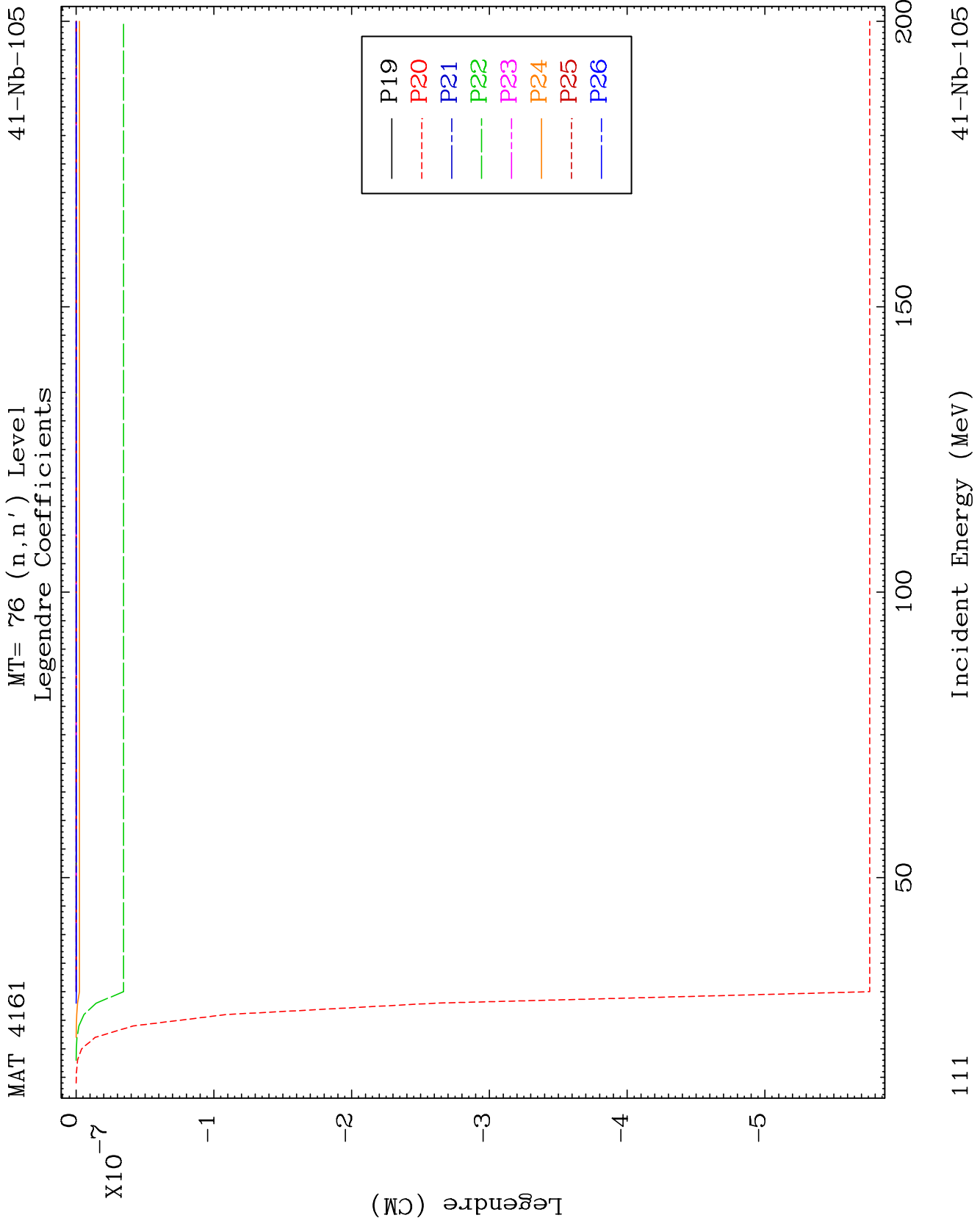
107

Incident Energy (MeV)

41-Nb-105



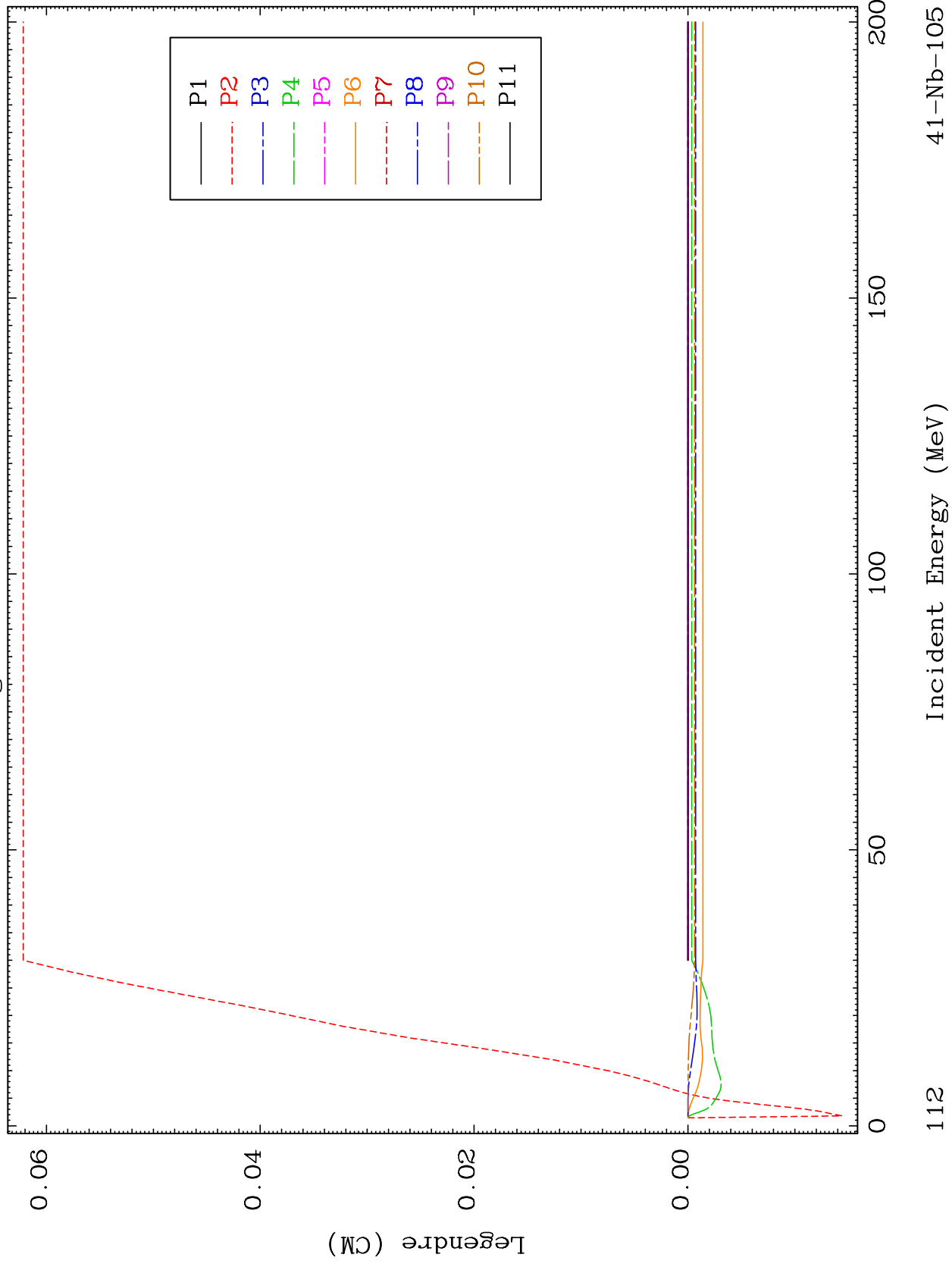




MAT 4161

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

41-Nb-105



41-Nb-105

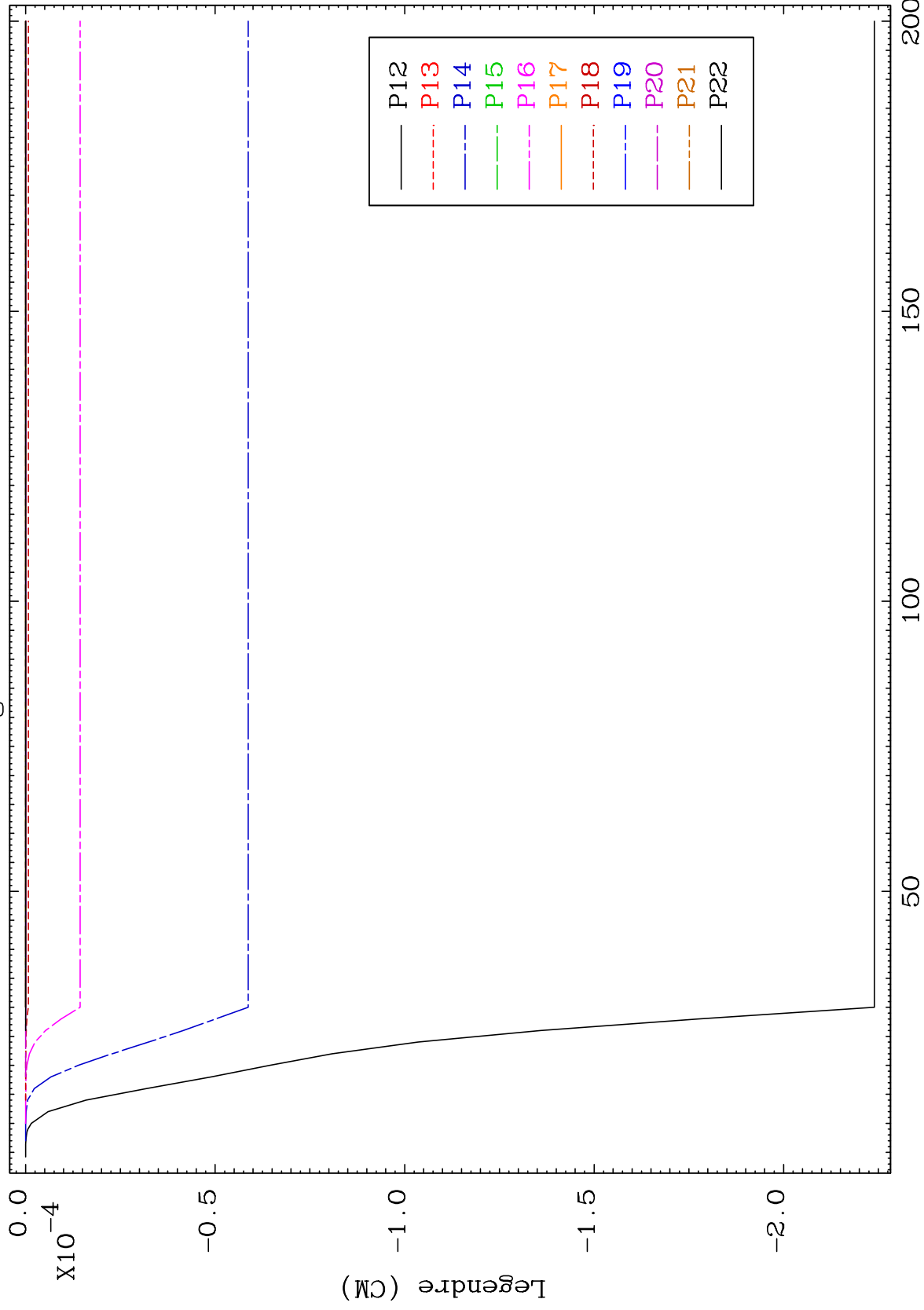
Incident Energy (MeV)

112

MAT 4161

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

41-Nb-105



113

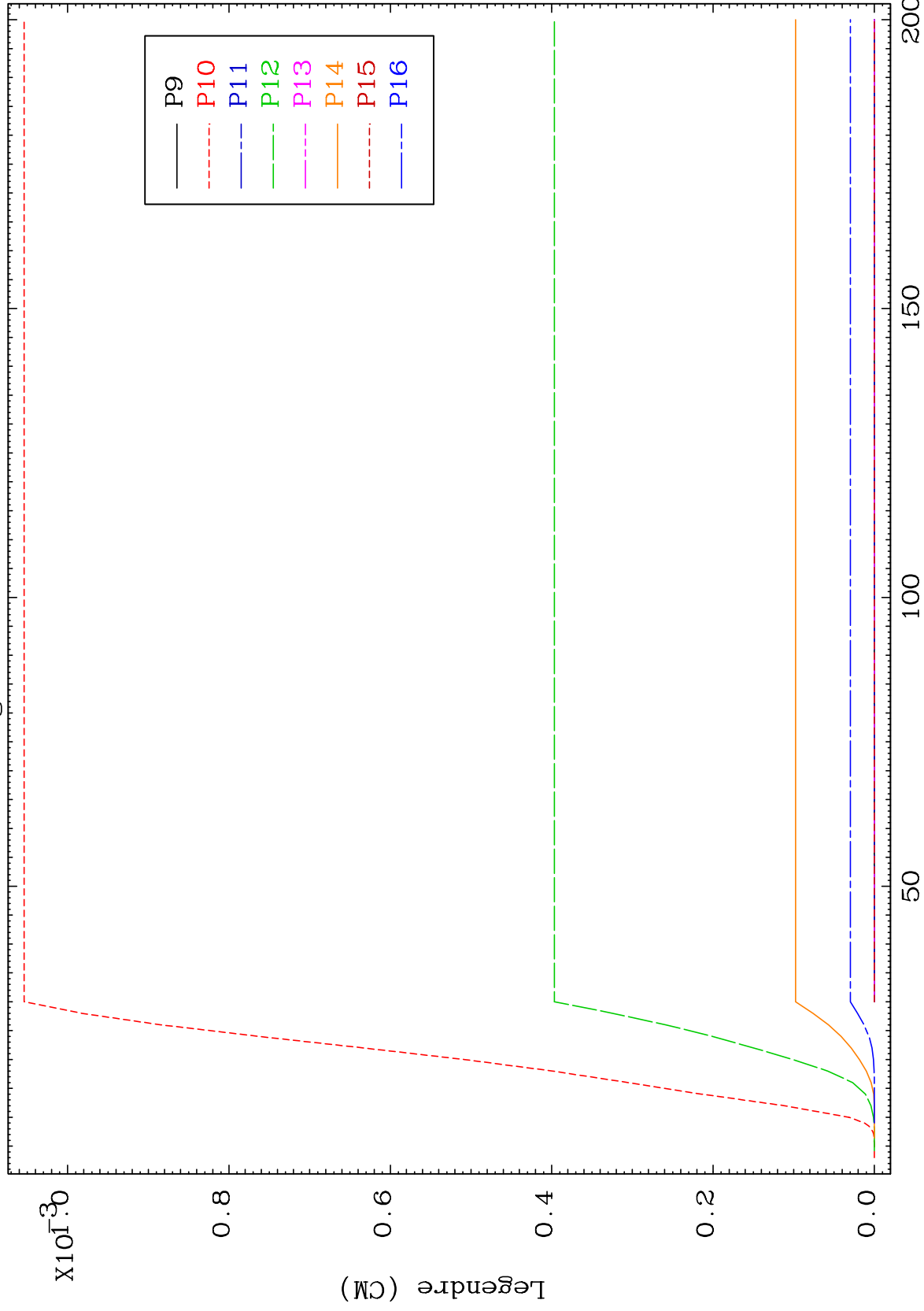
Incident Energy (MeV)

41-Nb-105

MAT 4161

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

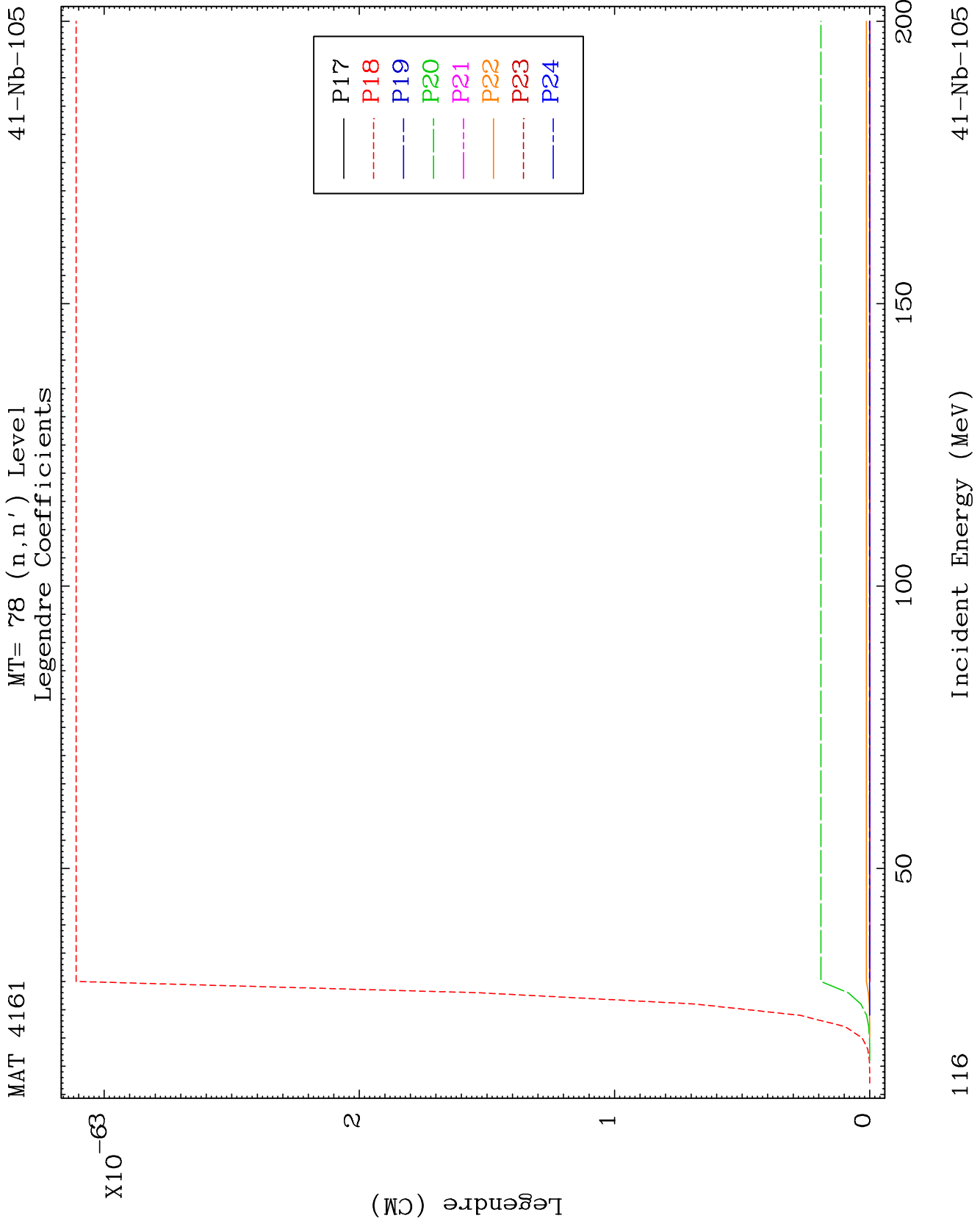
41-Nb-105



115

Incident Energy (MeV)

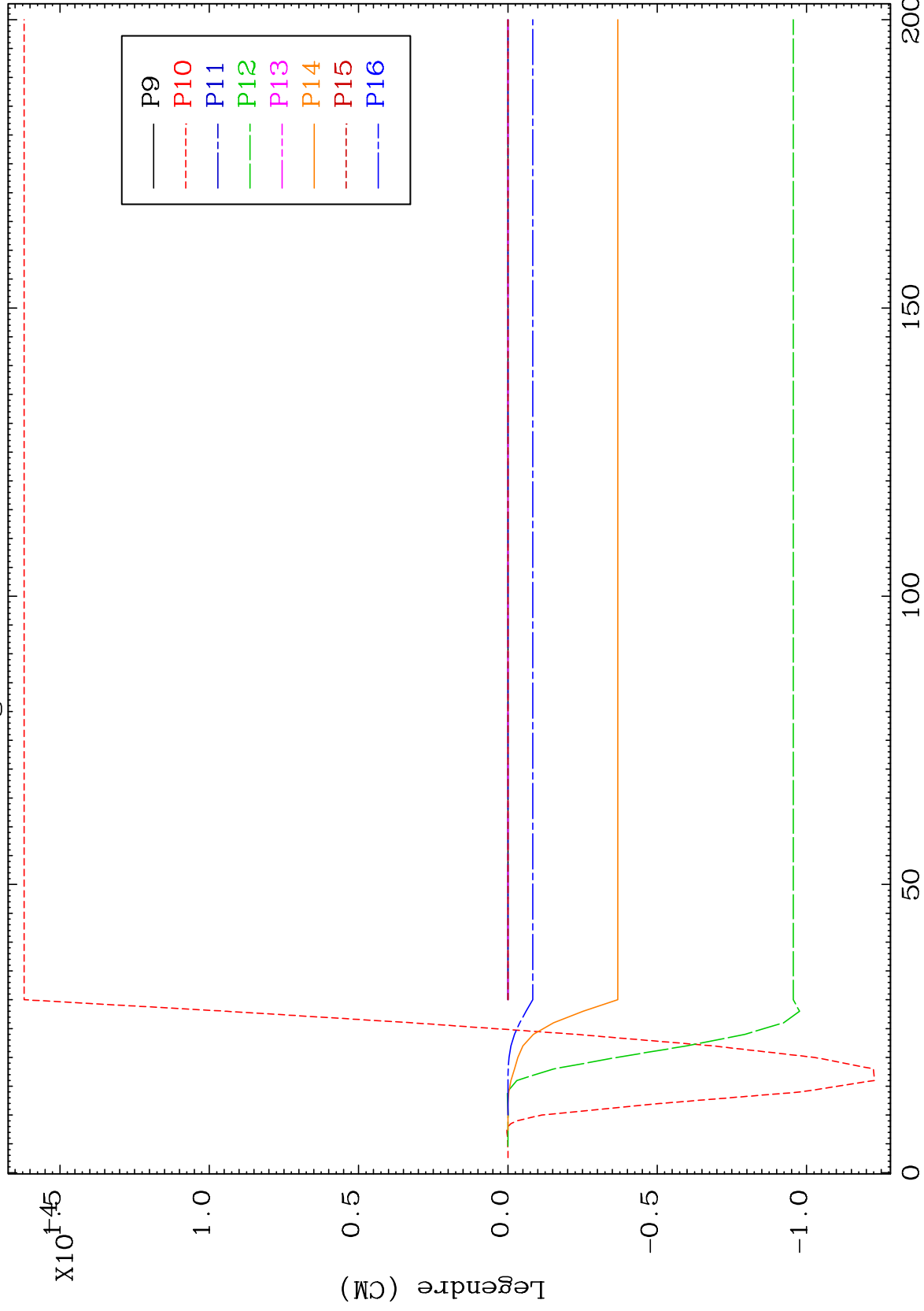
41-Nb-105



MAT 4161

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

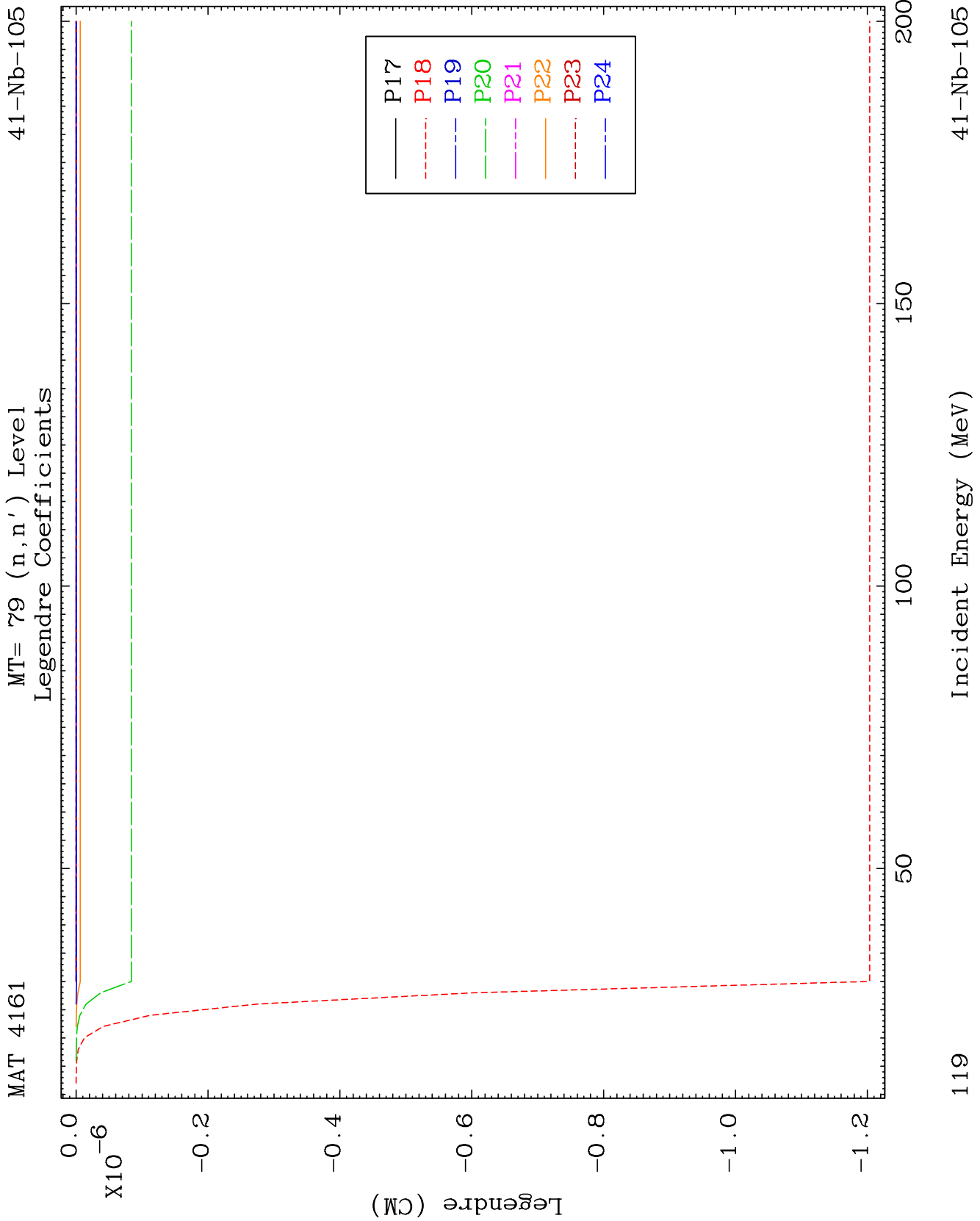
41-Nb-105

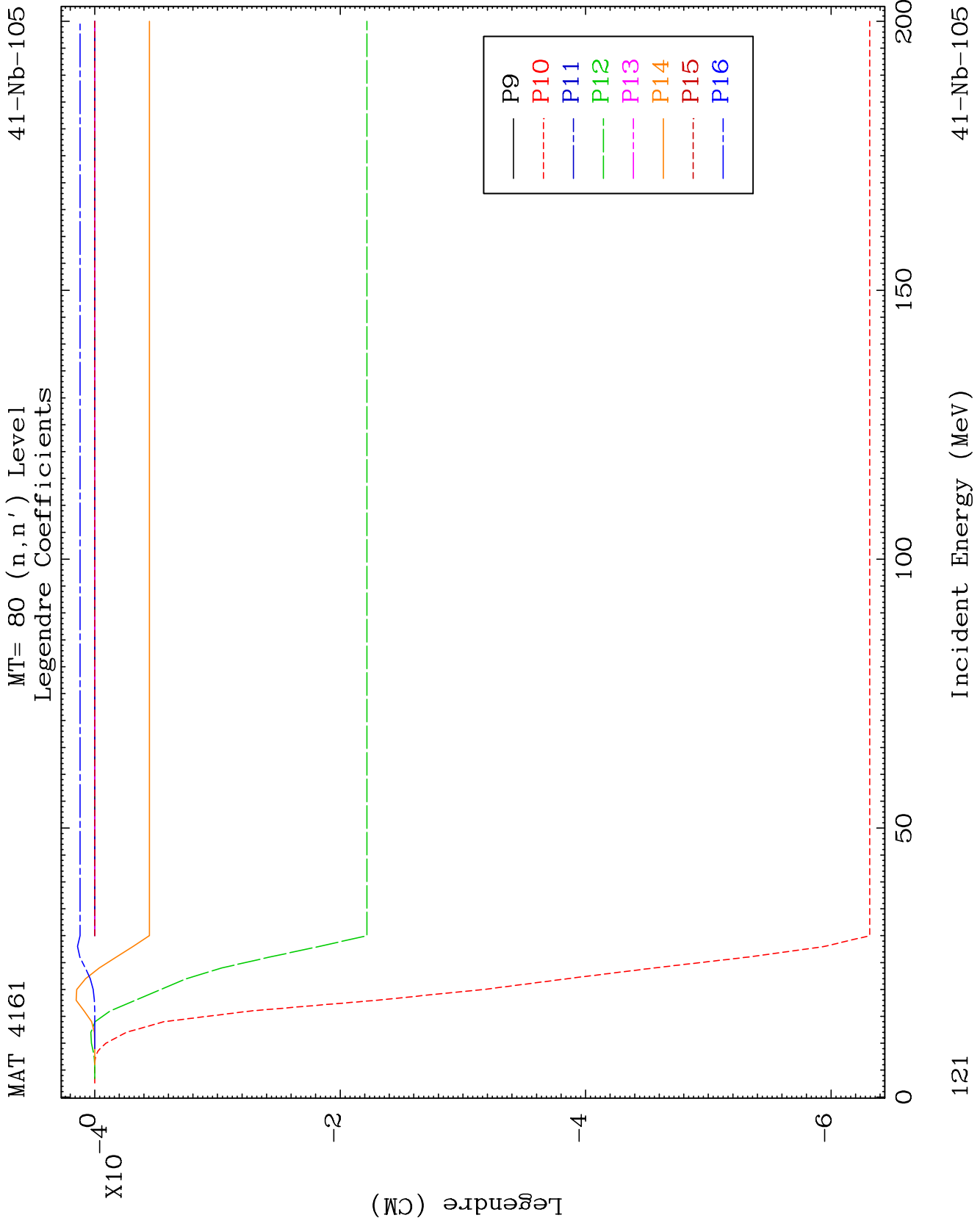


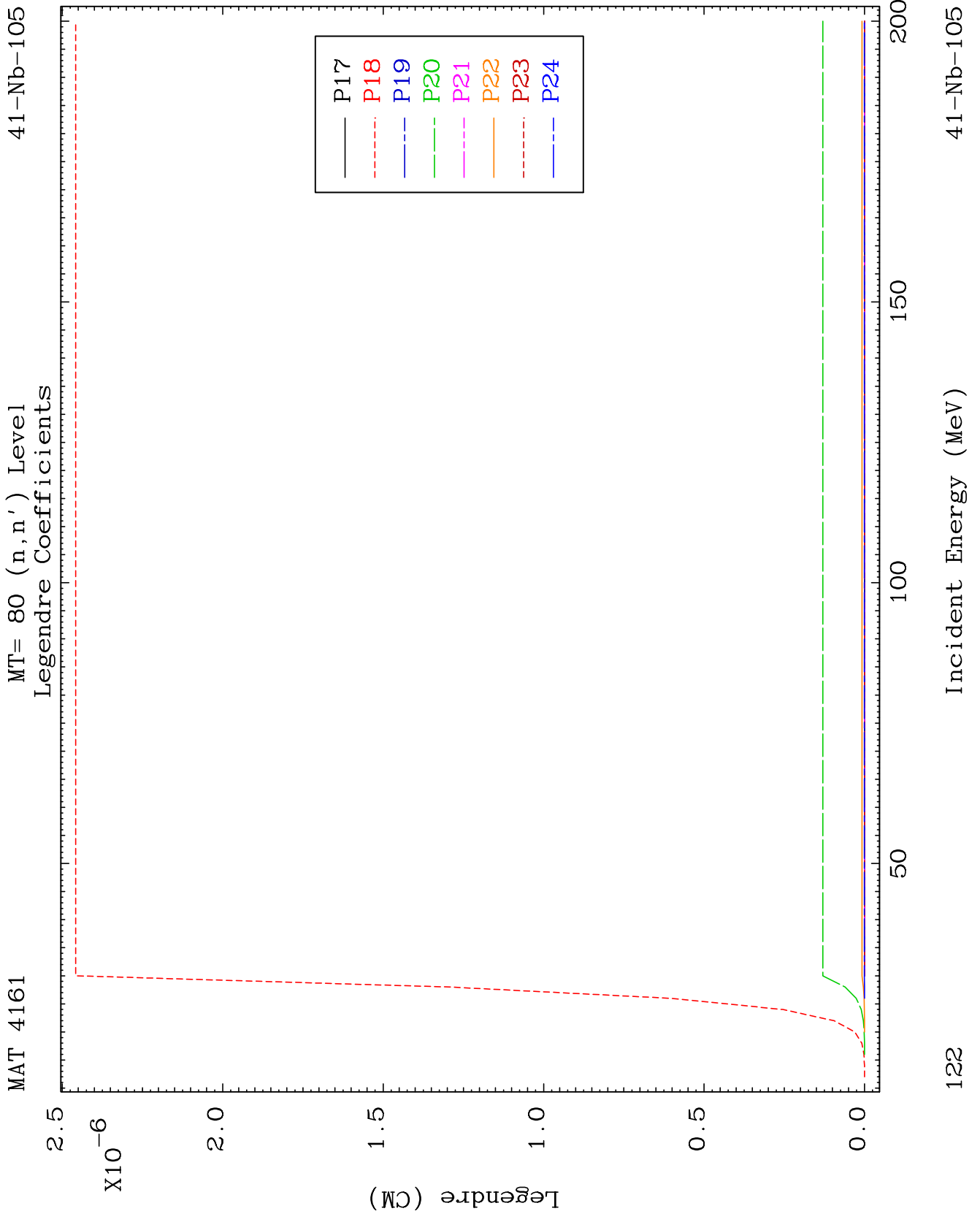
118

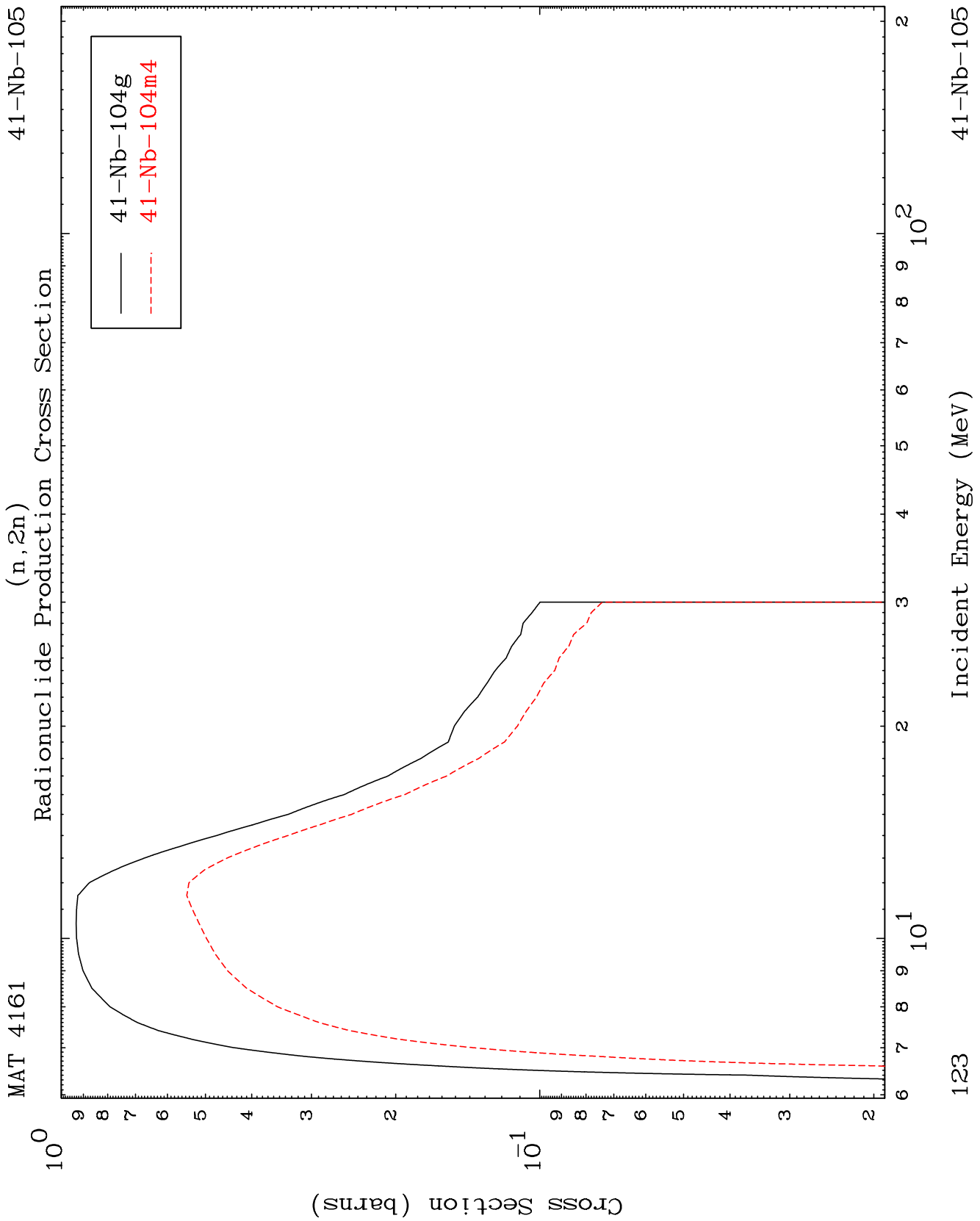
Incident Energy (MeV)

41-Nb-105







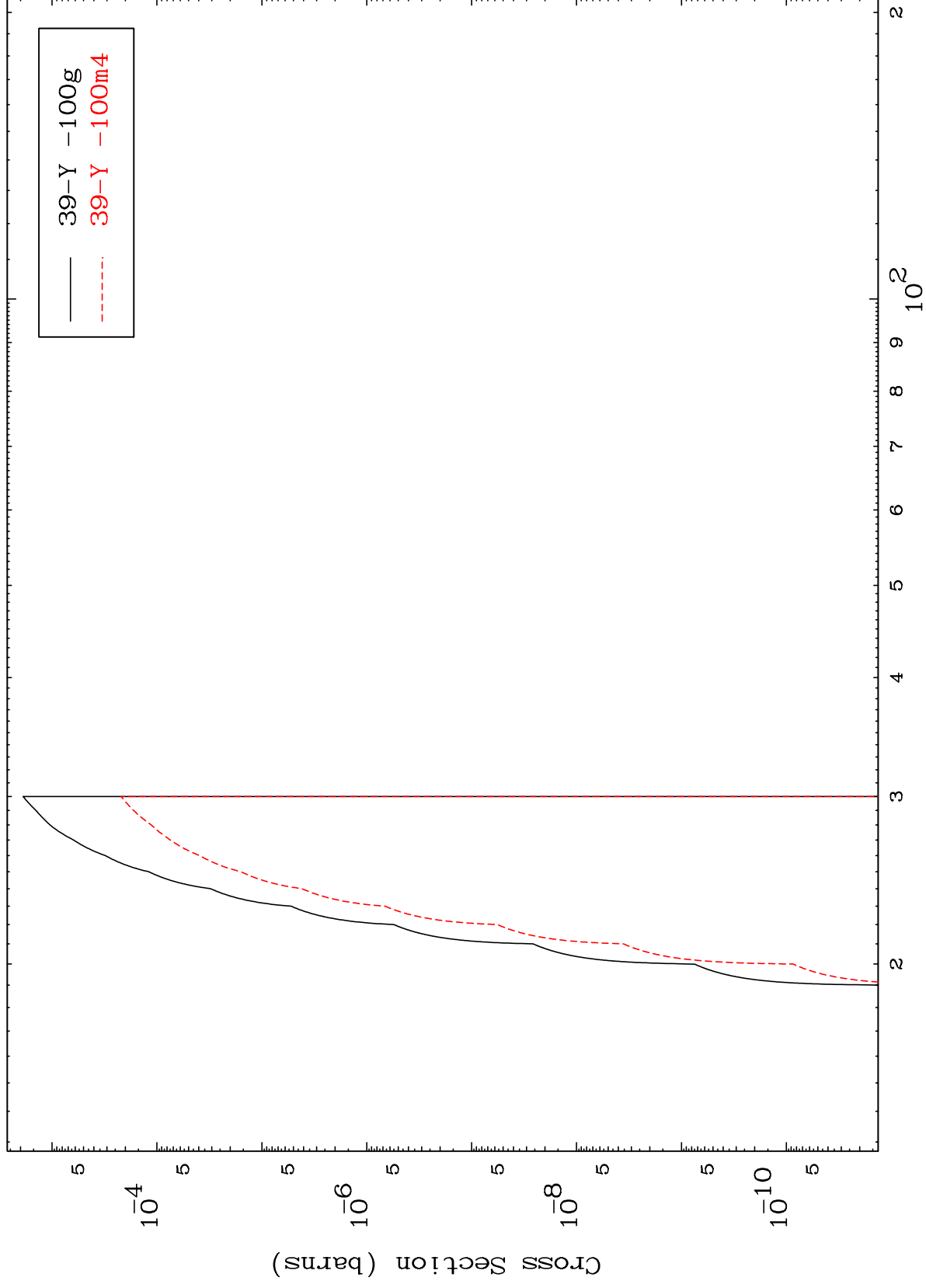


MAT 4161

$(n,2n) \alpha$

41-Nb-105

Radionuclide Production Cross Section



124

Incident Energy (MeV)

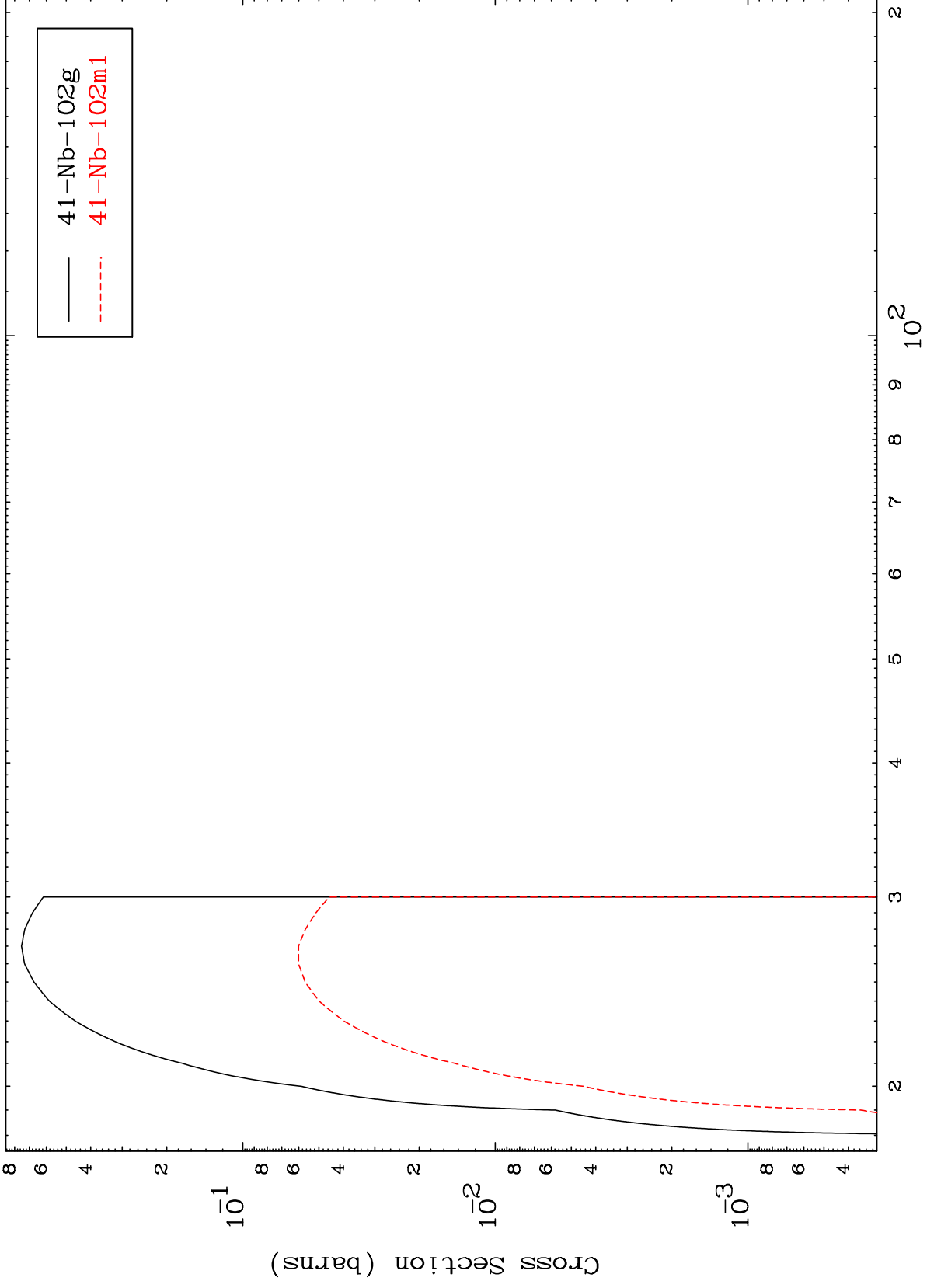
41-Nb-105

MAT 4161

(n,4n)

41-Nb-105

Radionuclide Production Cross Section



125

Incident Energy (MeV)

41-Nb-105