

Program EVALPLOT
(Version 2017-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

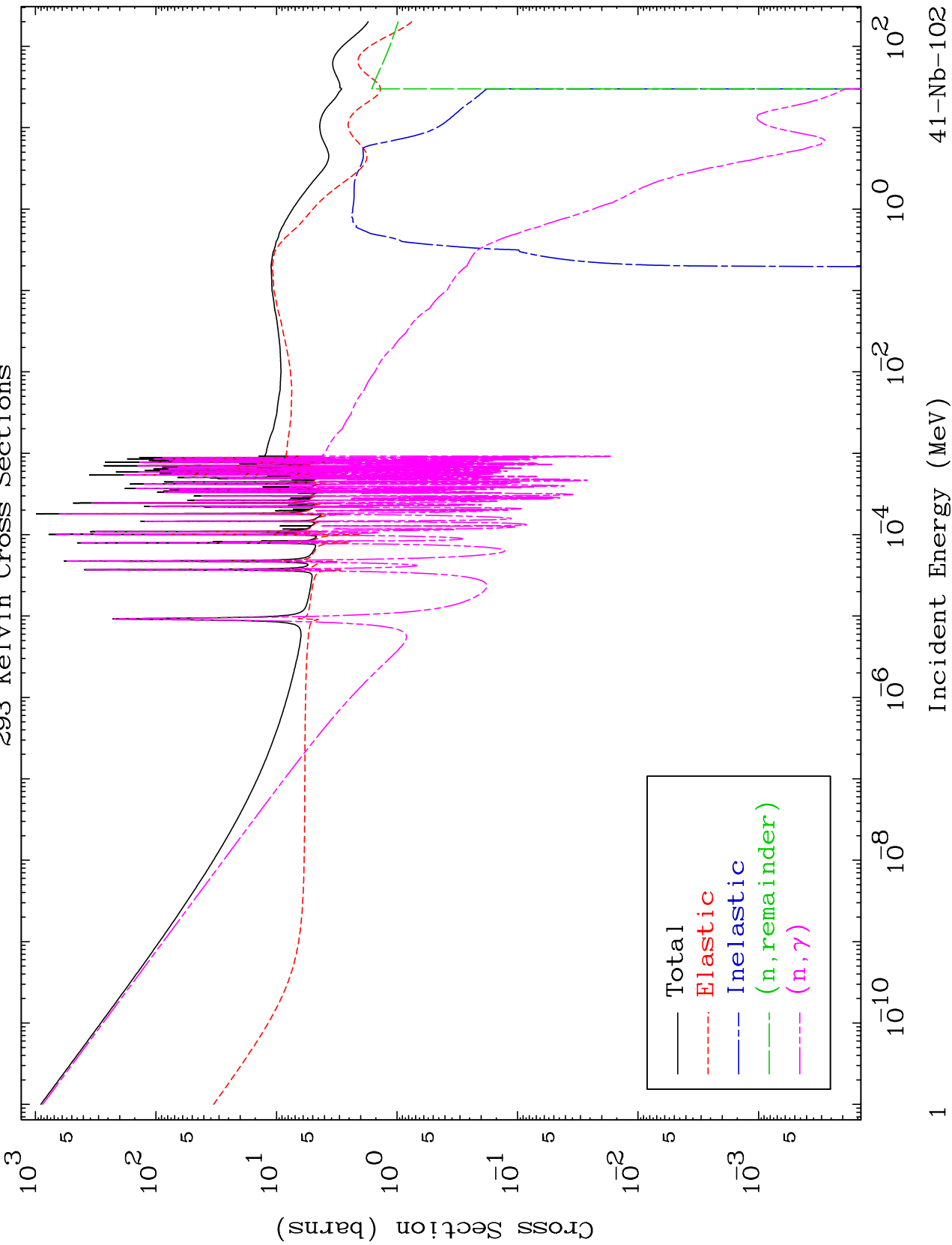
Press Mouse Button to Start

MAT 4152

Major

293 Kelvin Cross Sections

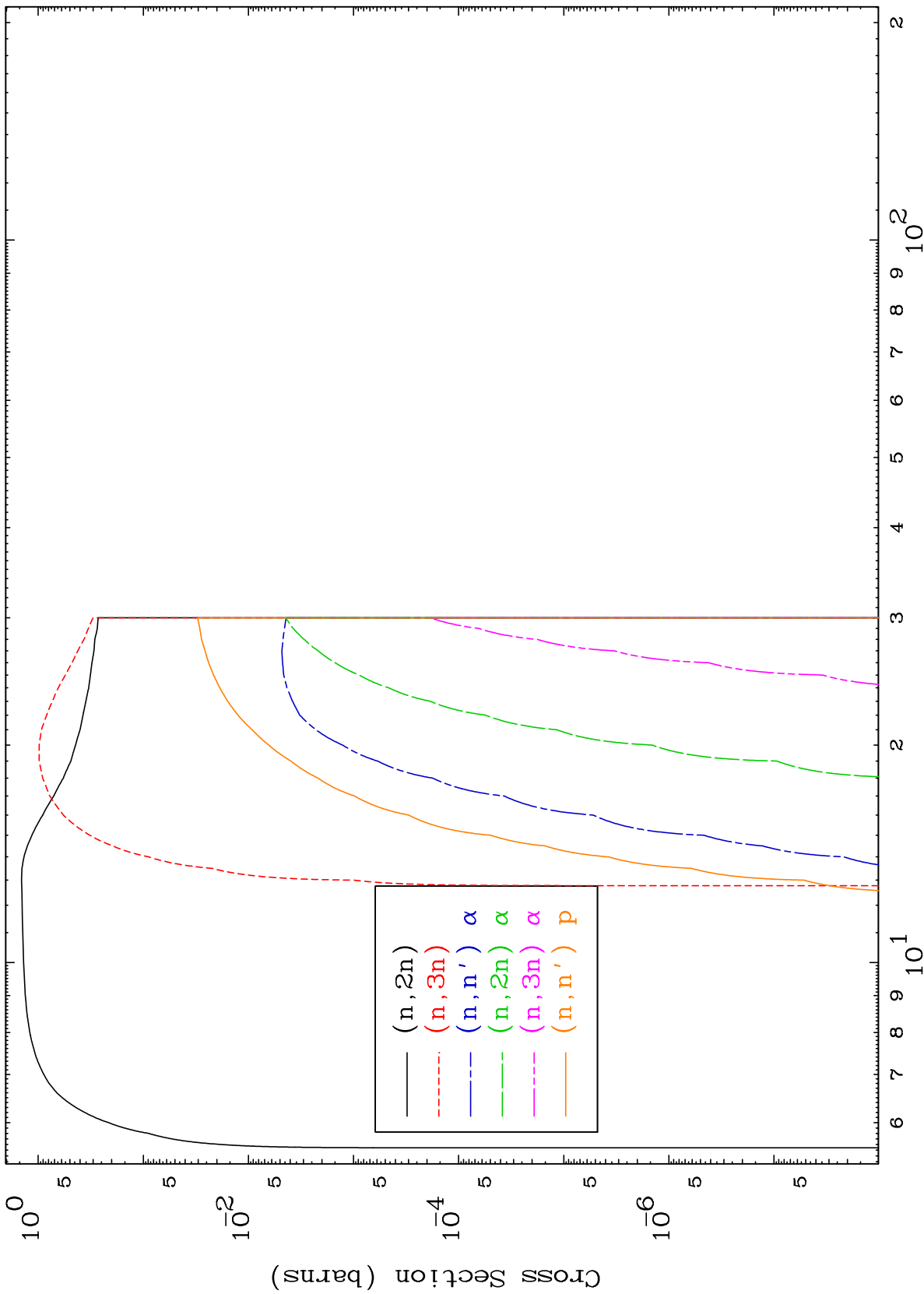
41-Nb-102



MAT 4152

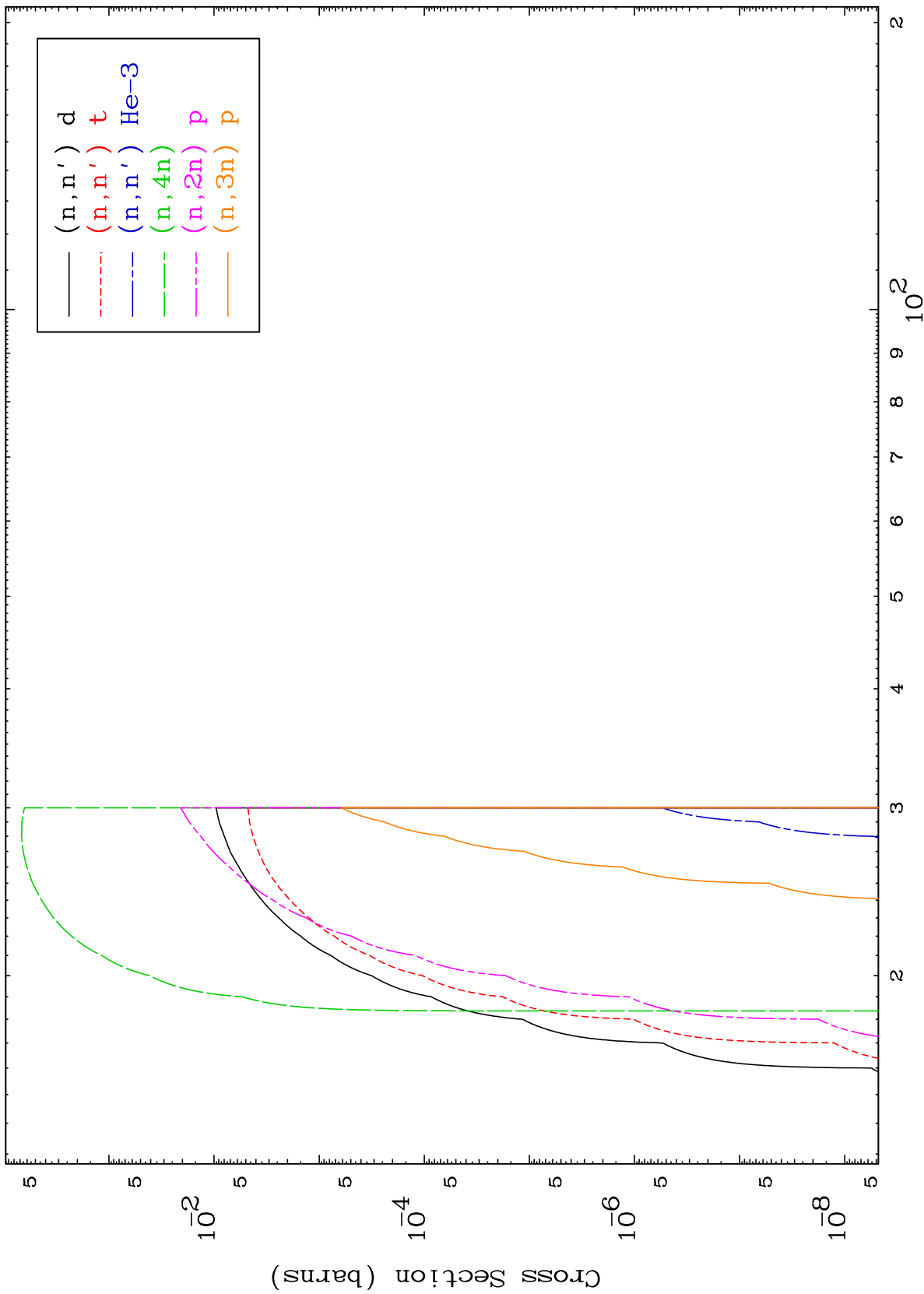
Neutron Production
293 Kelvin Cross Sections

41-Nb-102



Incident Energy (MeV)

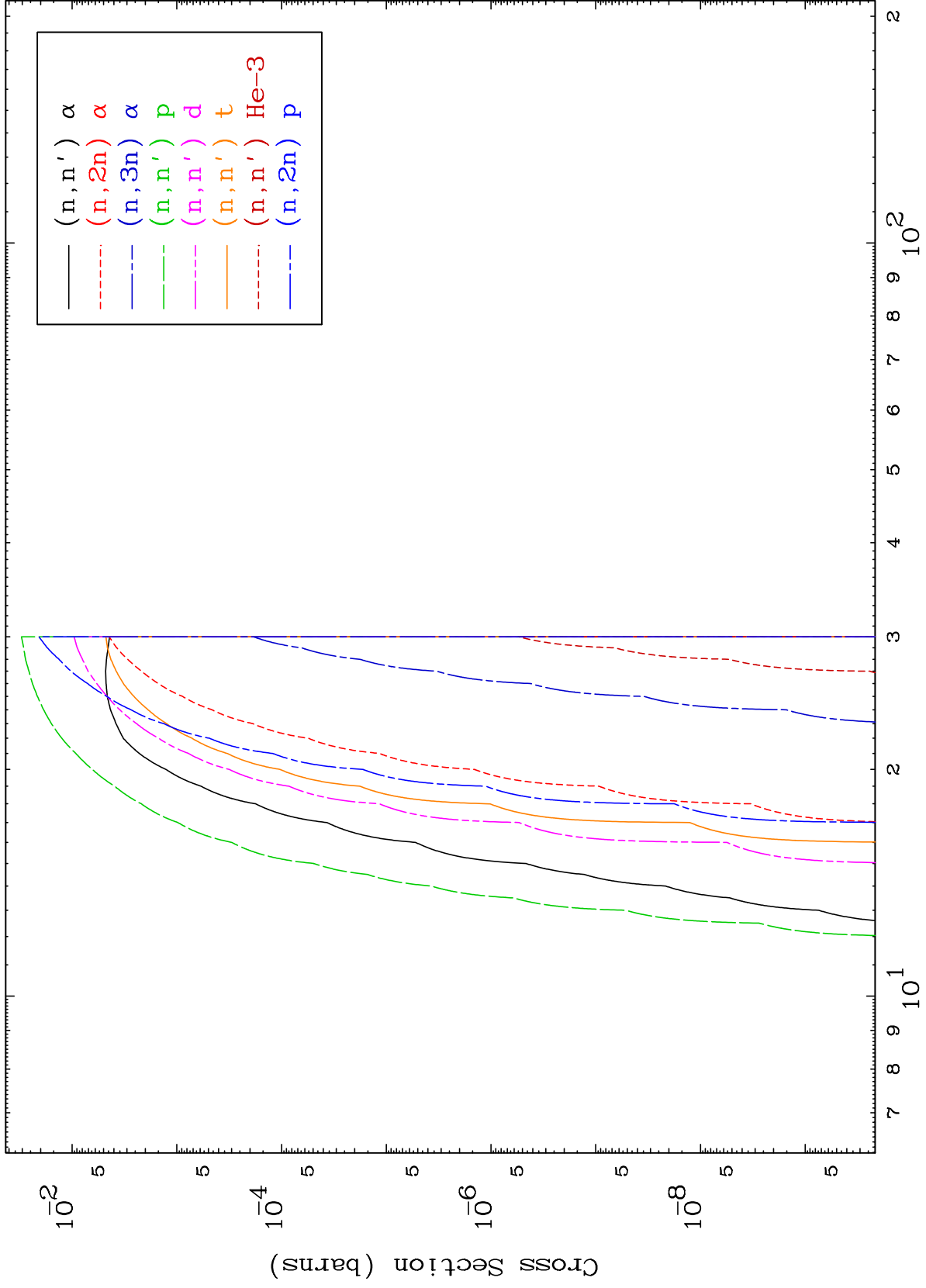
41-Nb-102



MAT 4152

Charged Particle
293 Kelvin Cross Sections

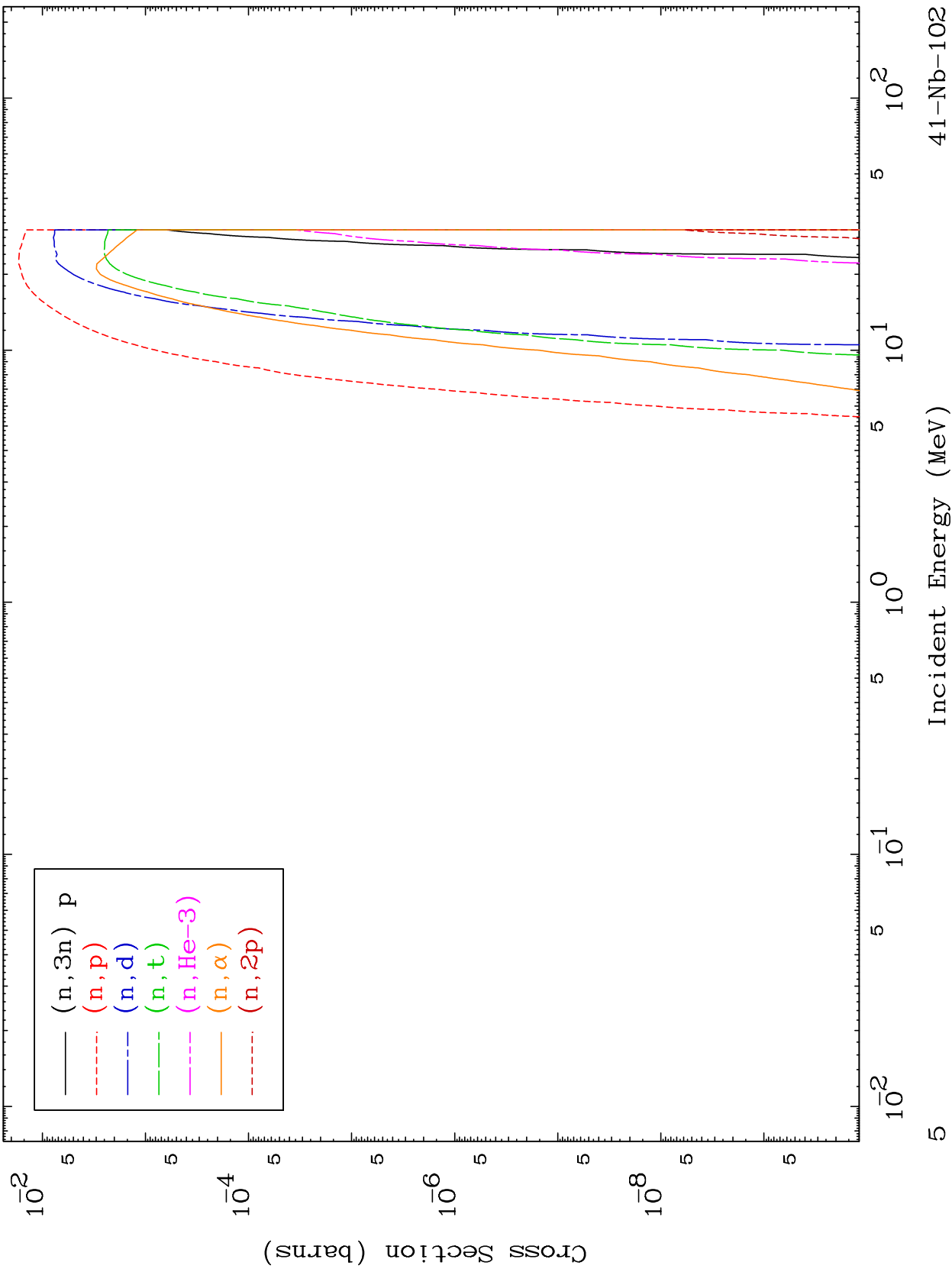
41-Nb-102



MAT 4152

Charged Particle
293 Kelvin Cross Sections

41-Nb-102

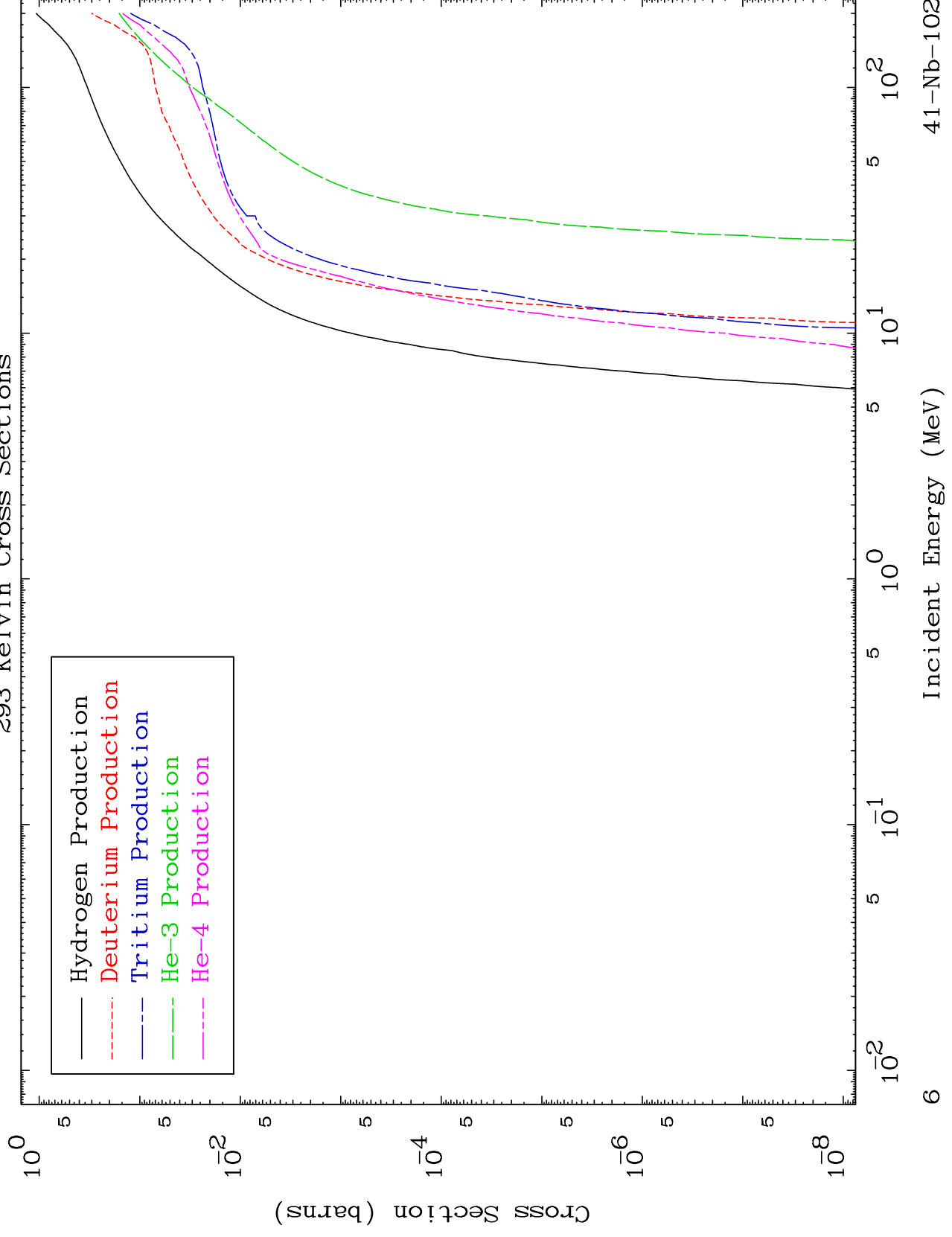


41-Nb-102

MAT 4152

Particle Production
293 Kelvin Cross Sections

41-Nb-102

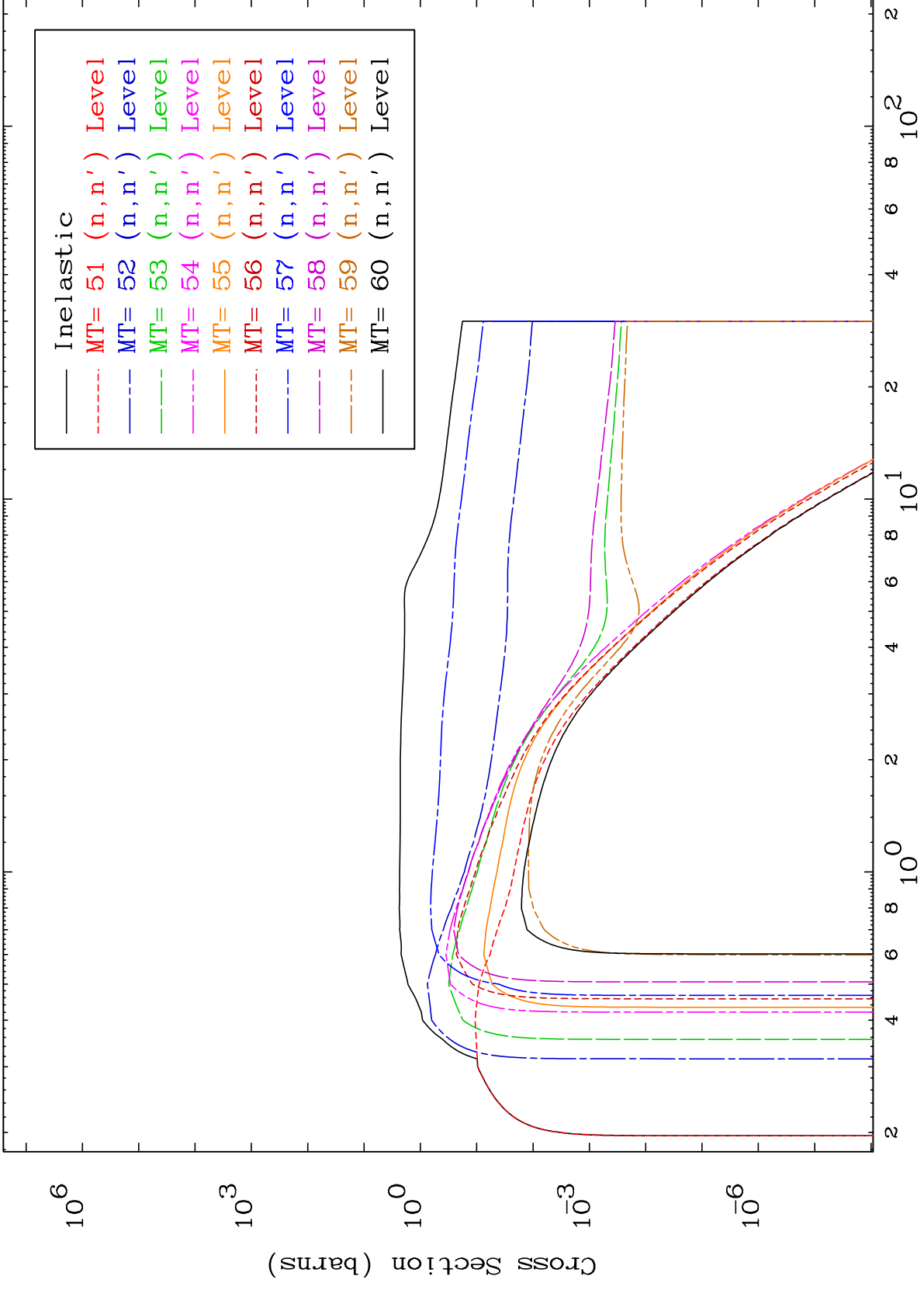


41-Nb-102

Incident Energy (MeV)

6

293 Kelvin Cross Sections

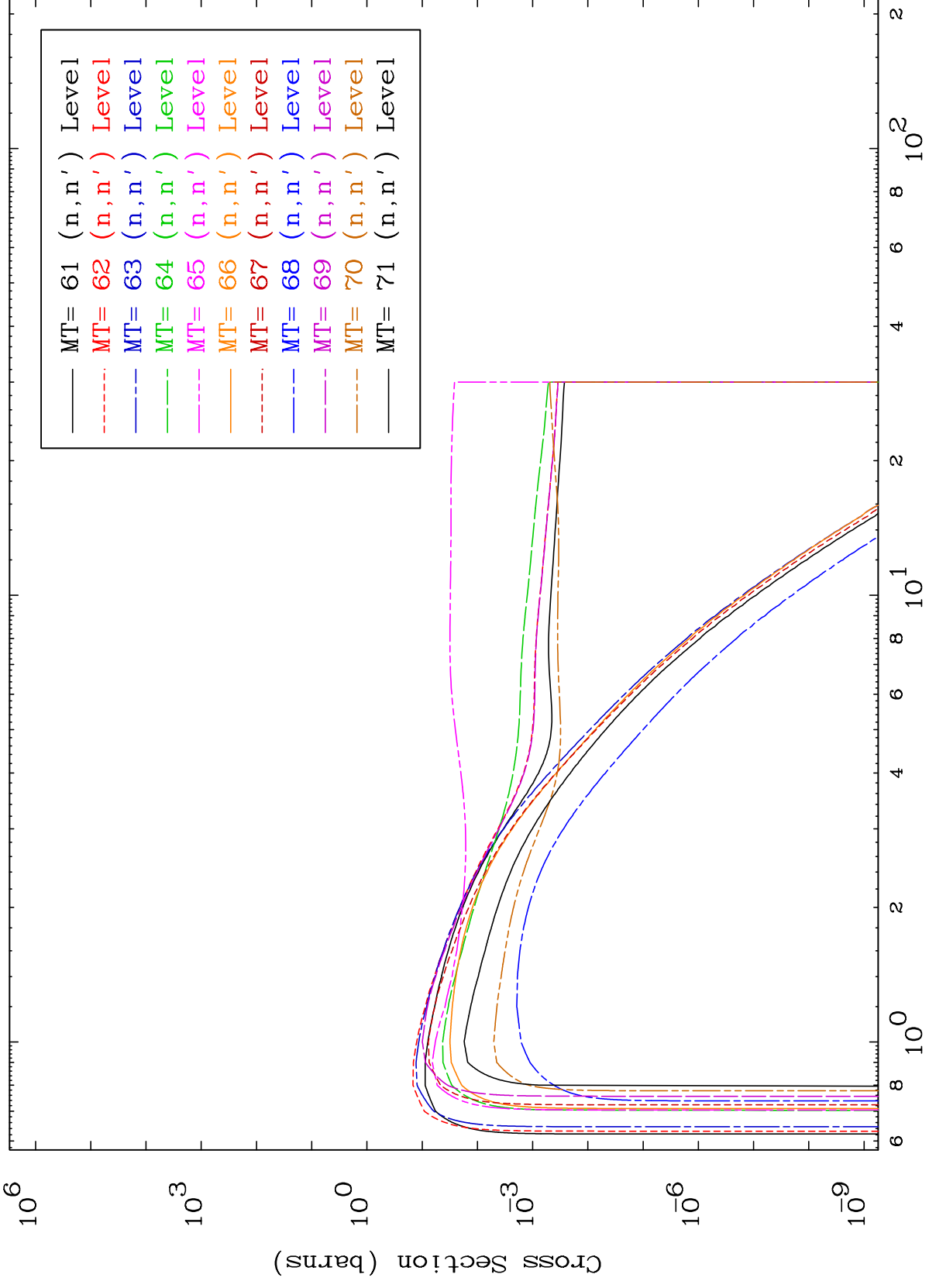


MAT 4152

(n,n') Level

41-Nb-102

293 Kelvin Cross Sections

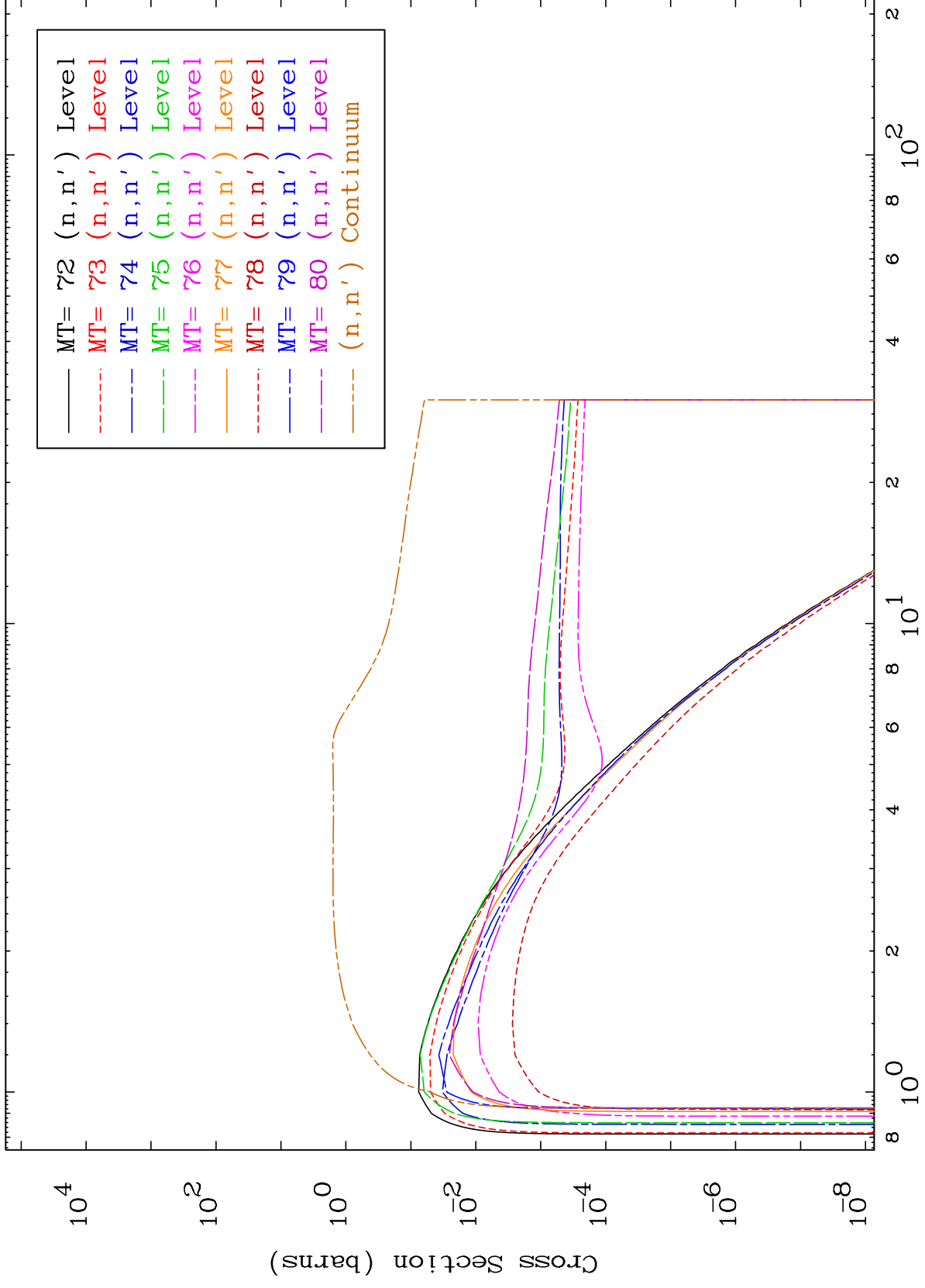


Incident Energy (MeV)

41-Nb-102

8

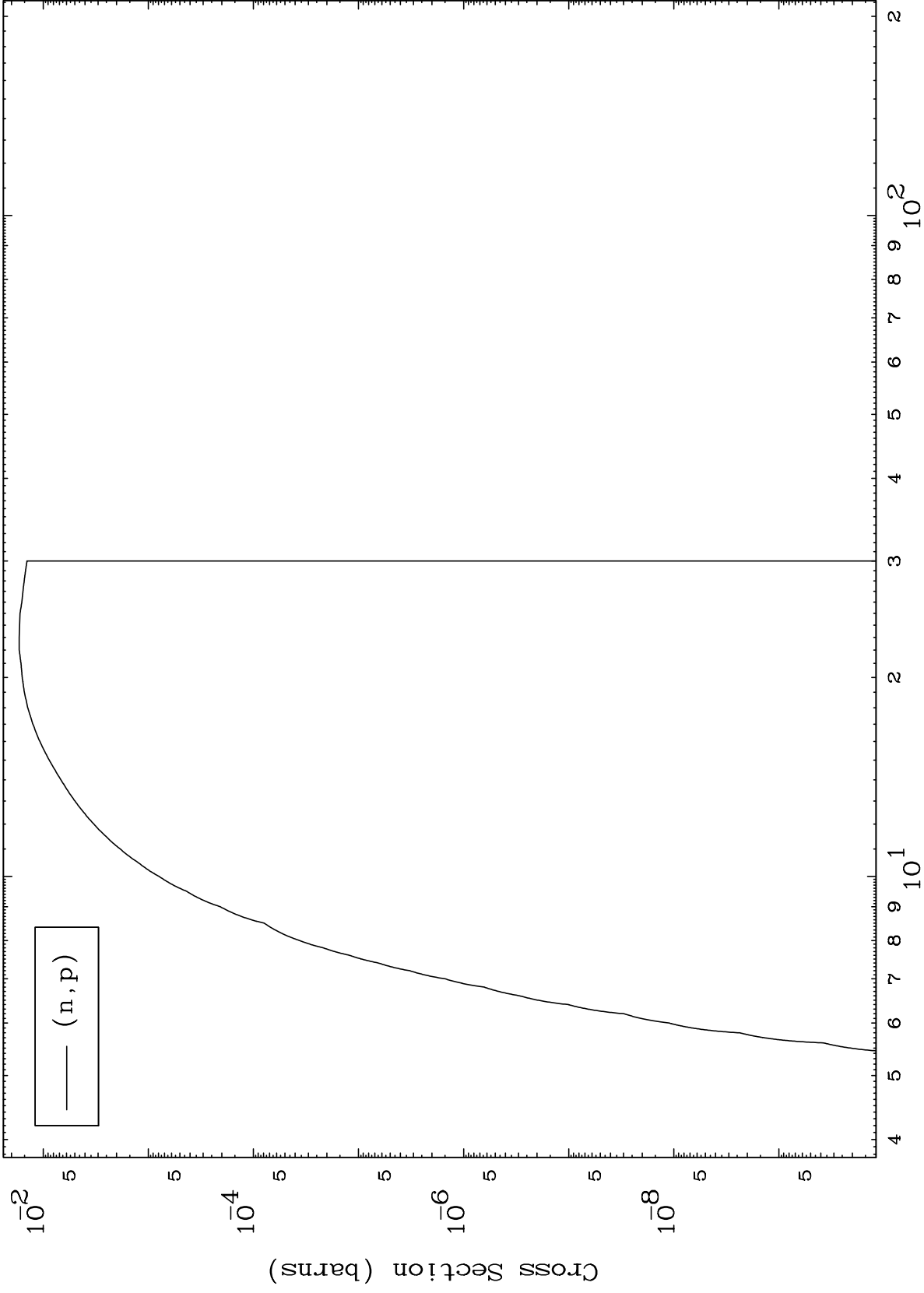
293 Kelvin Cross Sections



MAT 4152

(n,p) Levels
293 Kelvin Cross Sections

41-Nb-102



Incident Energy (MeV)

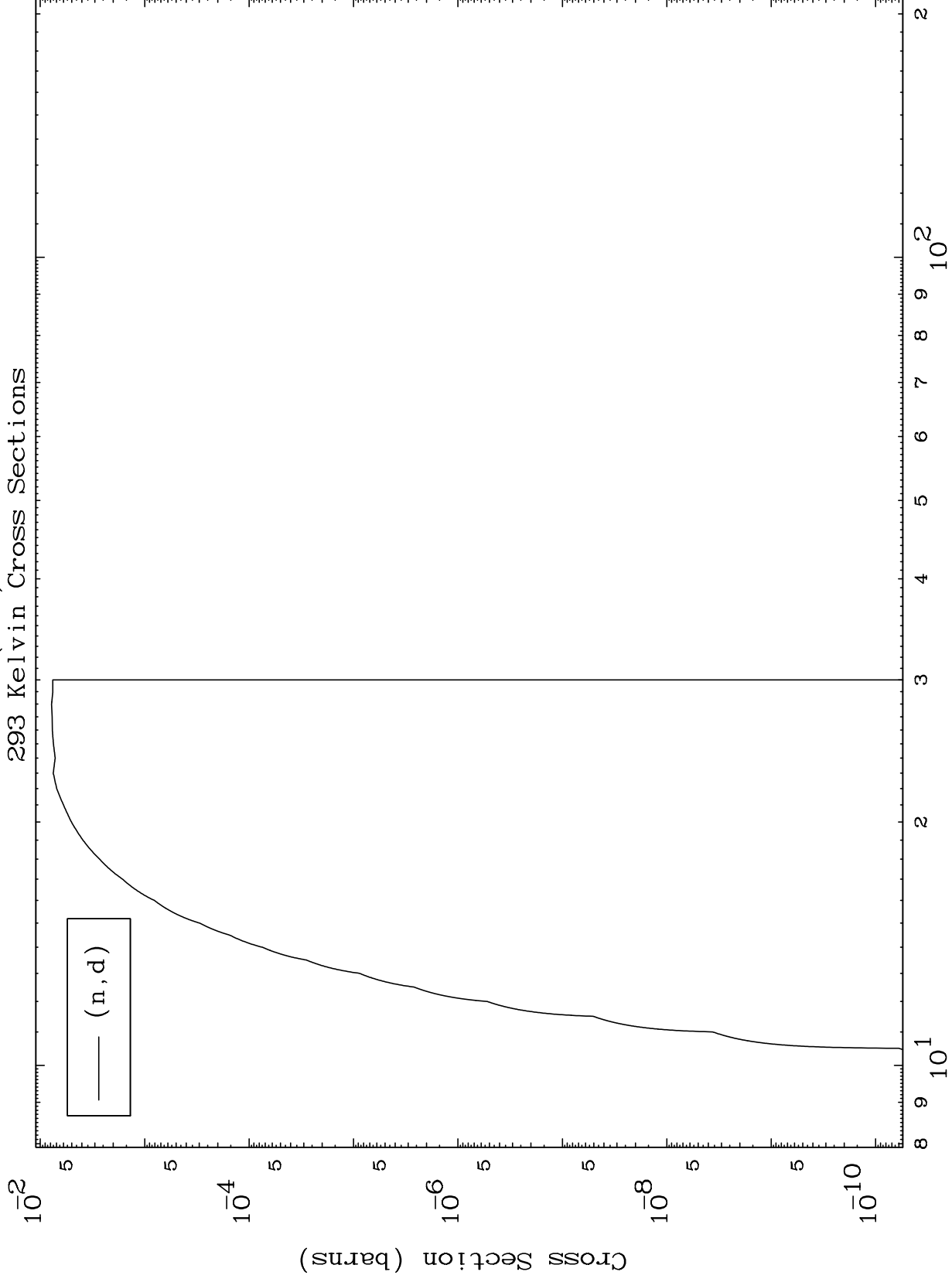
41-Nb-102

10

MAT 4152

(n,d) Levels
293 Kelvin Cross Sections

41-Nb-102



11

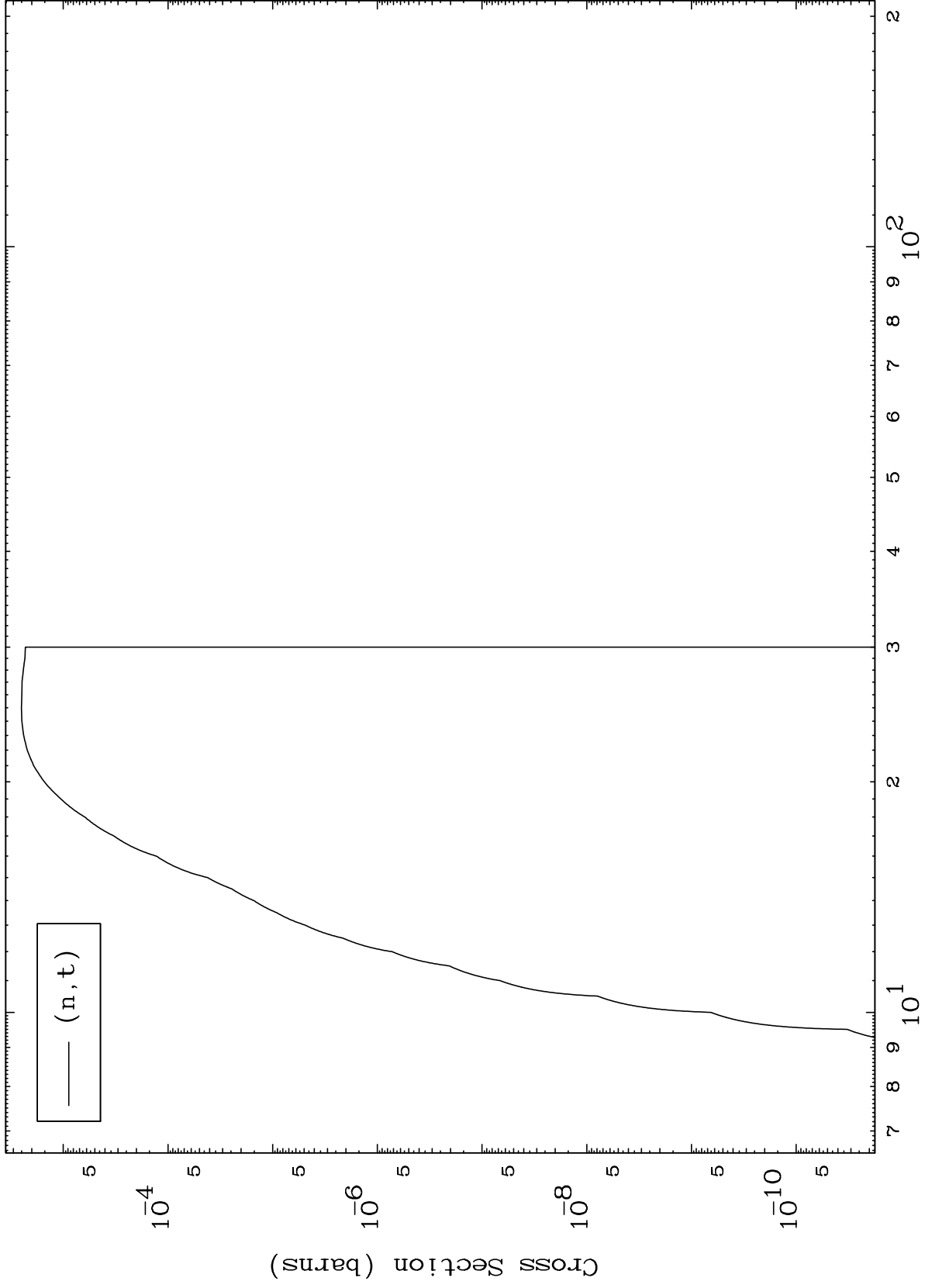
Incident Energy (MeV)

41-Nb-102

MAT 4152

(n,t) Levels
293 Kelvin Cross Sections

41-Nb-102



12

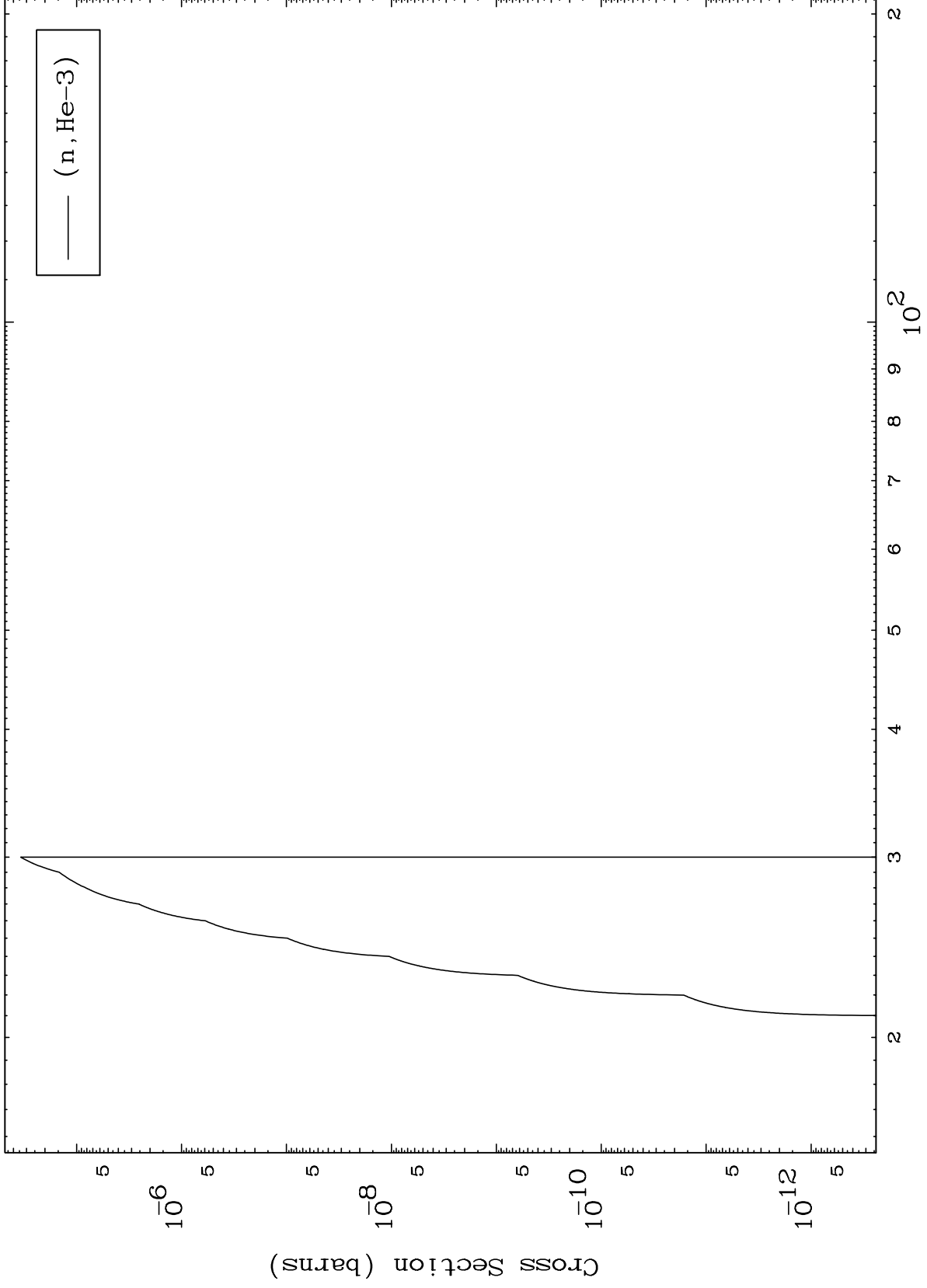
Incident Energy (MeV)

41-Nb-102

MAT 4152

(n,He3) Levels
293 Kelvin Cross Sections

41-Nb-102



13

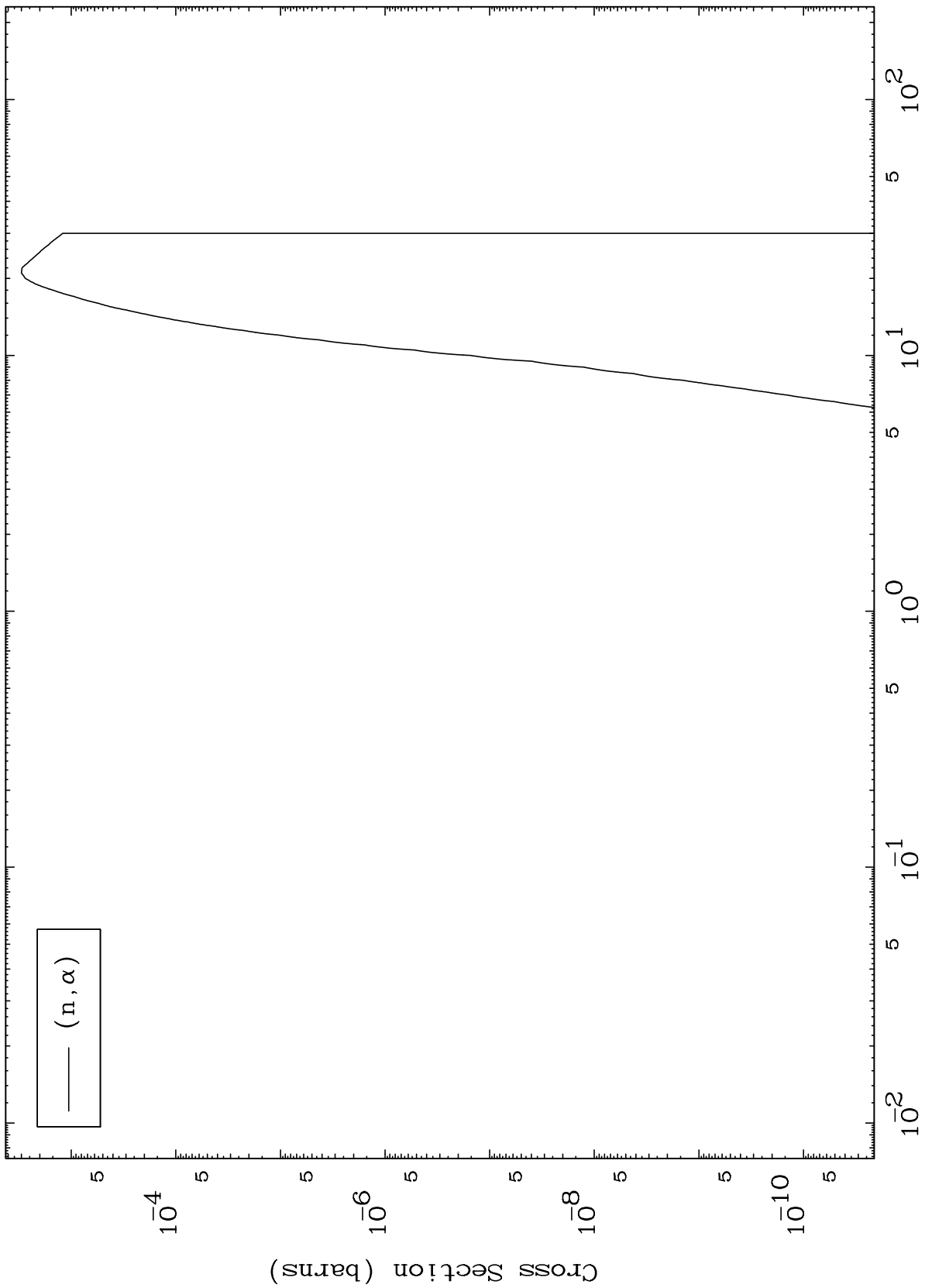
Incident Energy (MeV)

41-Nb-102

MAT 4152

(n, α) Levels
293 Kelvin Cross Sections

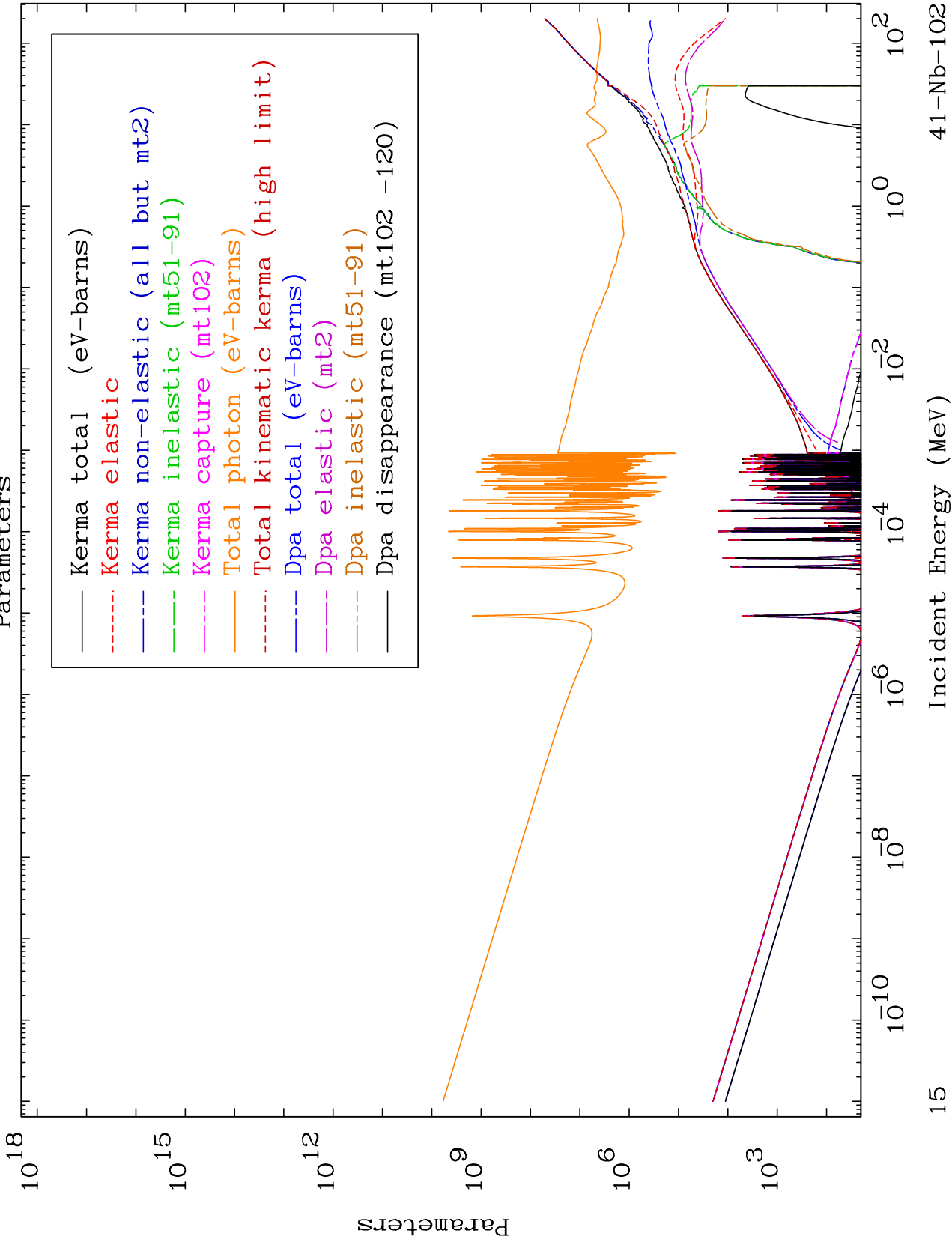
41-Nb-102



14

Incident Energy (MeV)

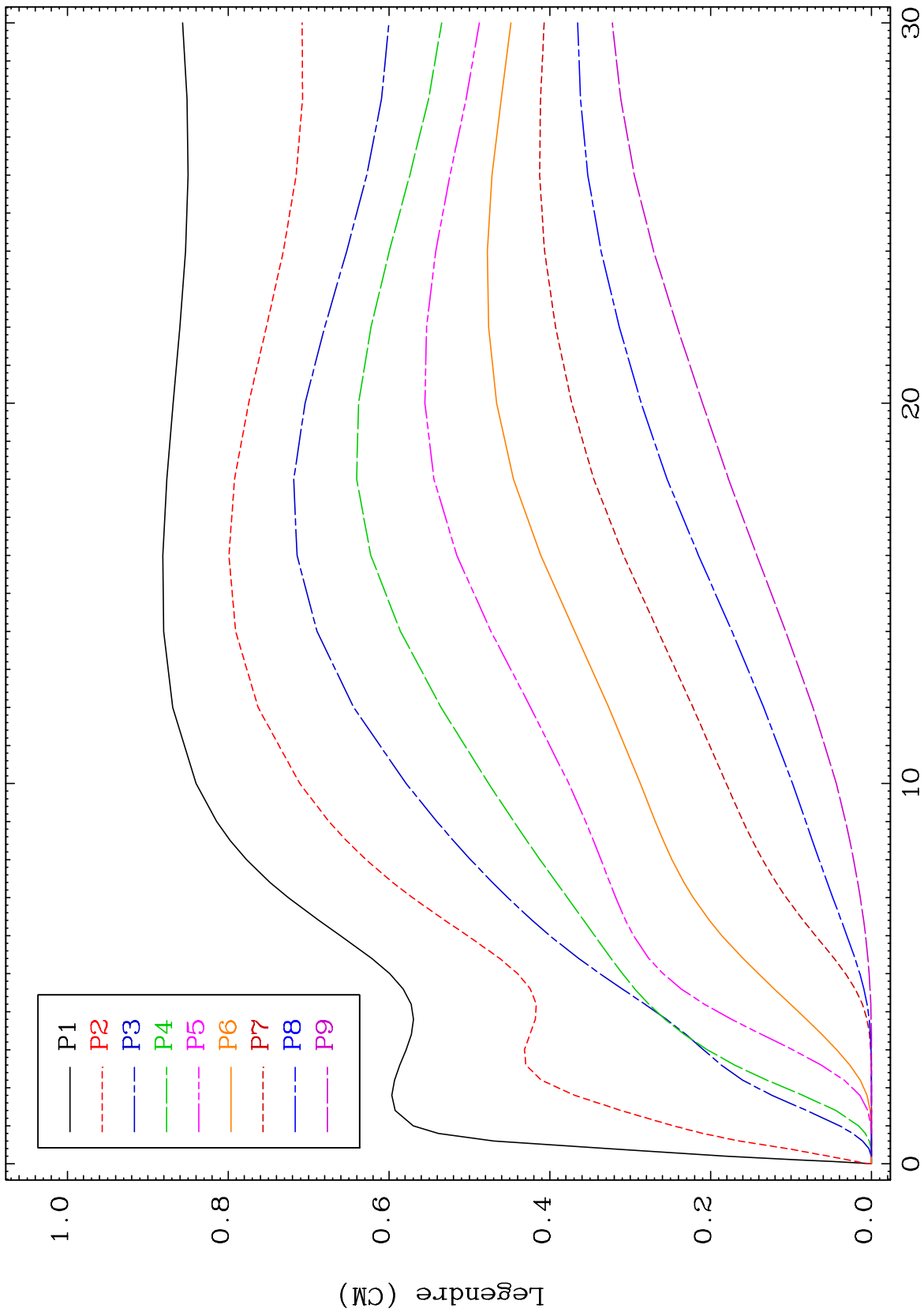
41-Nb-102



MAT 4152

Elastic Legendre Coefficients

41-Nb-102



16

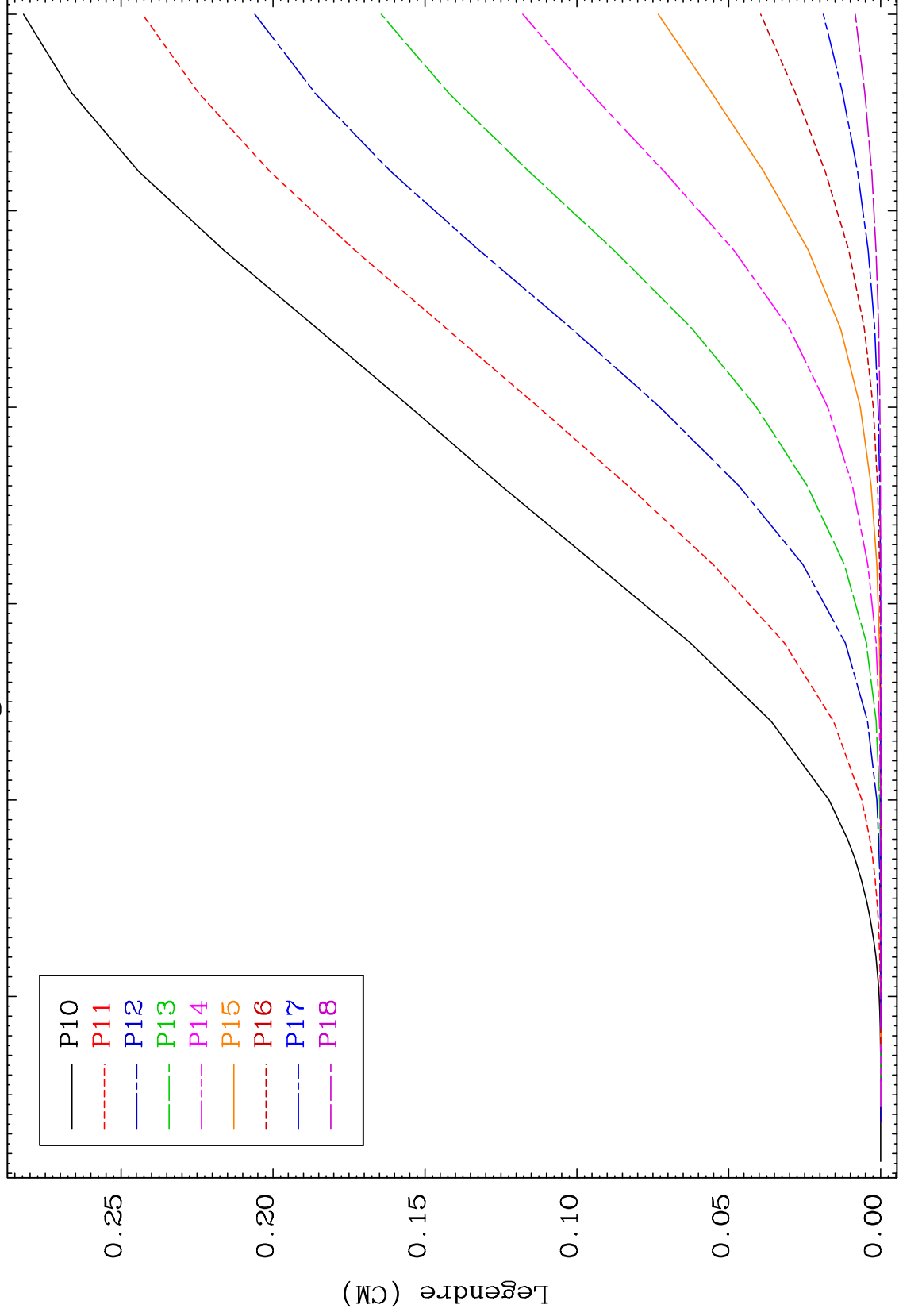
Incident Energy (MeV)

41-Nb-102

MAT 4152

Elastic
Legendre Coefficients

41-Nb-102



17

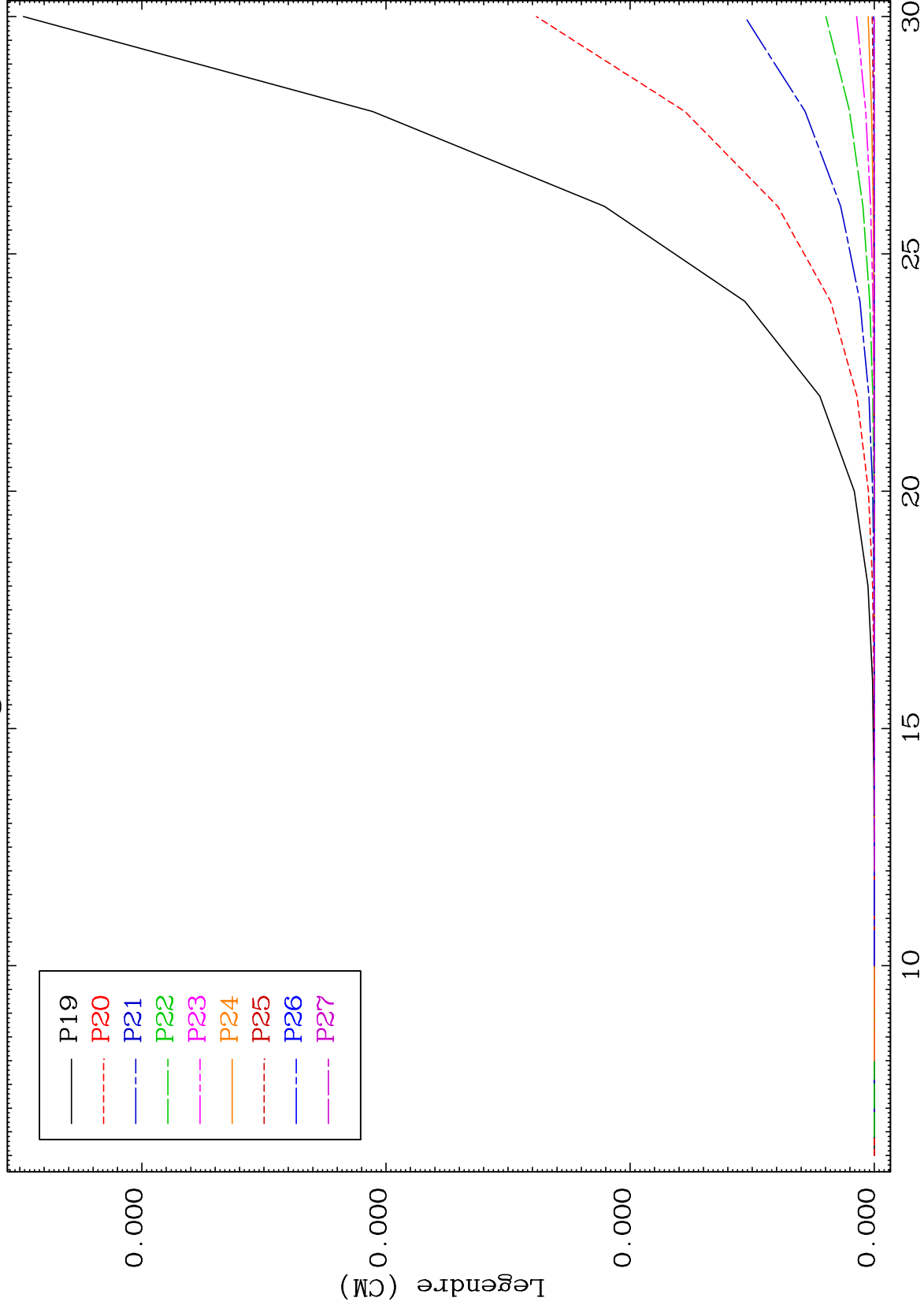
Incident Energy (MeV)

41-Nb-102

MAT 4152

Elastic Legendre Coefficients

41-Nb-102



18

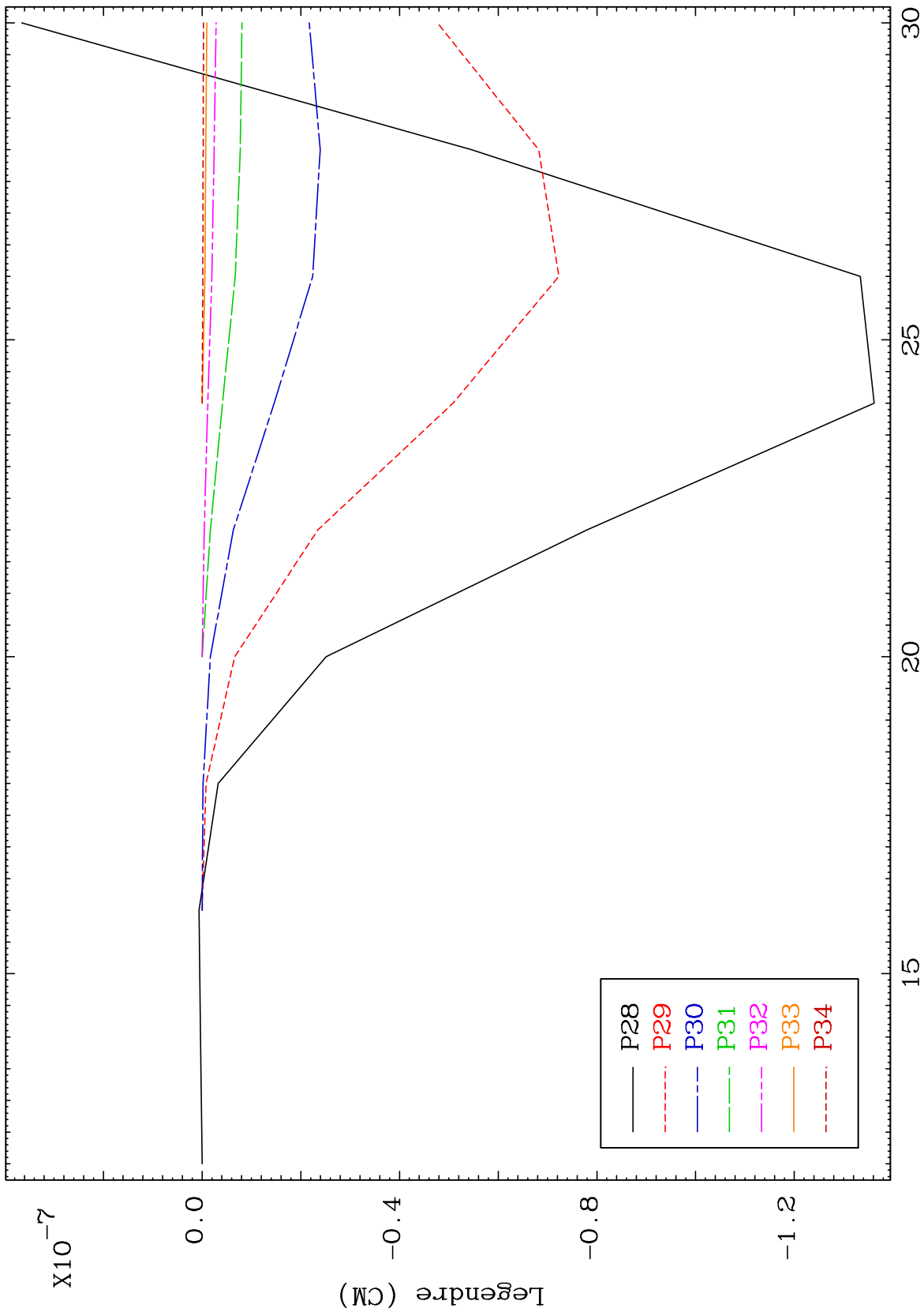
Incident Energy (MeV)

41-Nb-102

MAT 4152

41-Nb-102

Elastic Legendre Coefficients



19

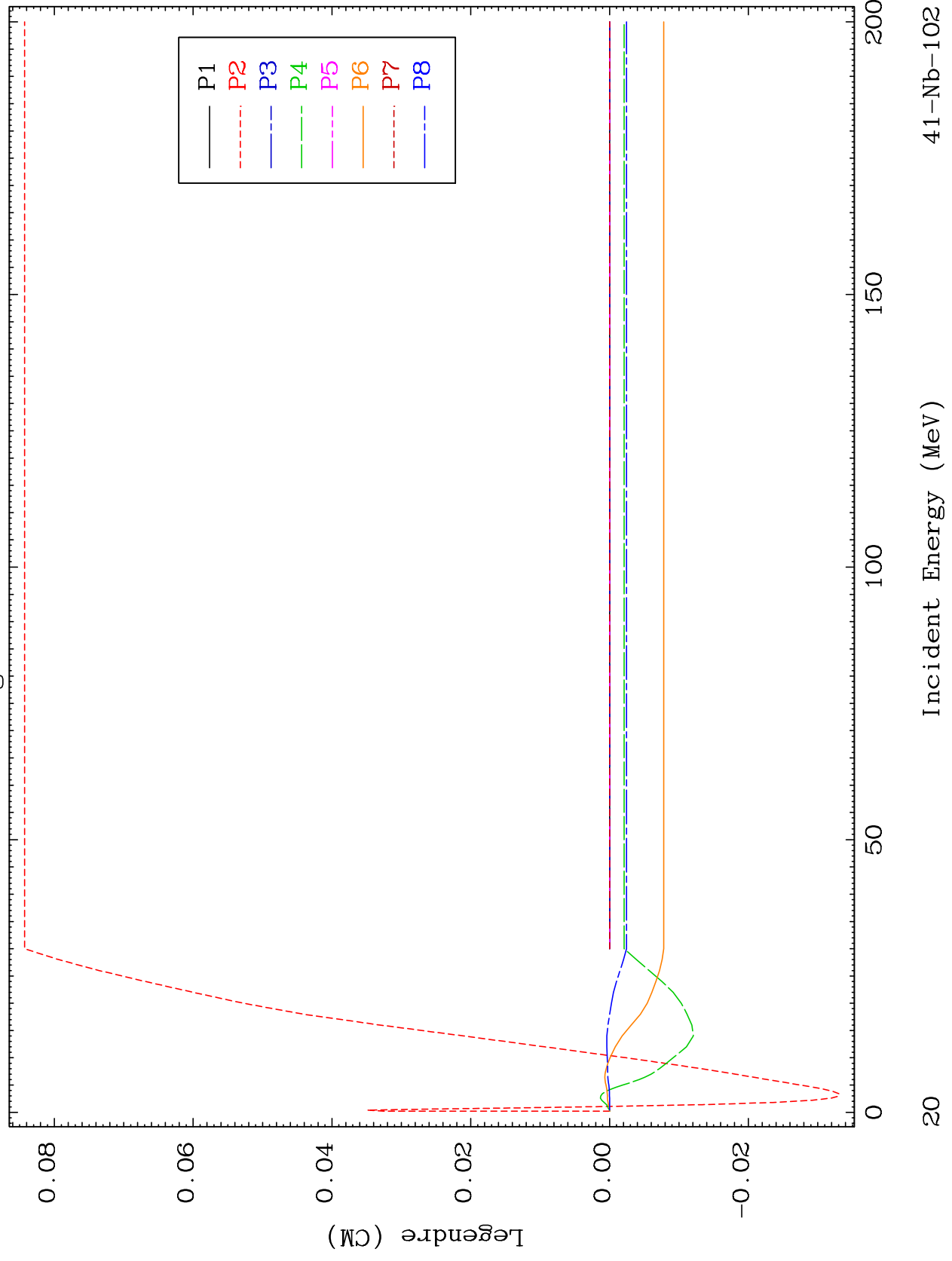
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



41-Nb-102

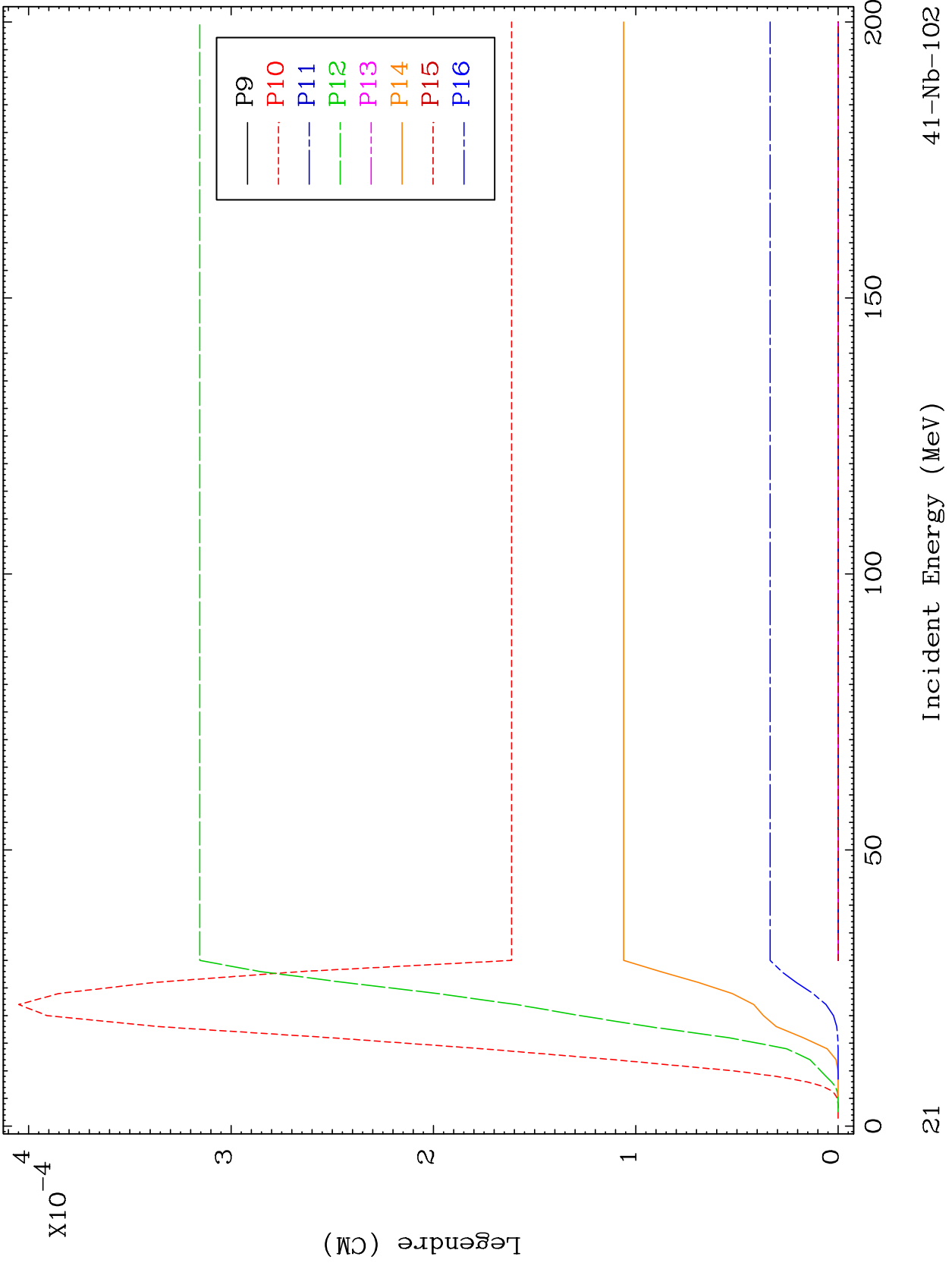
Incident Energy (MeV)

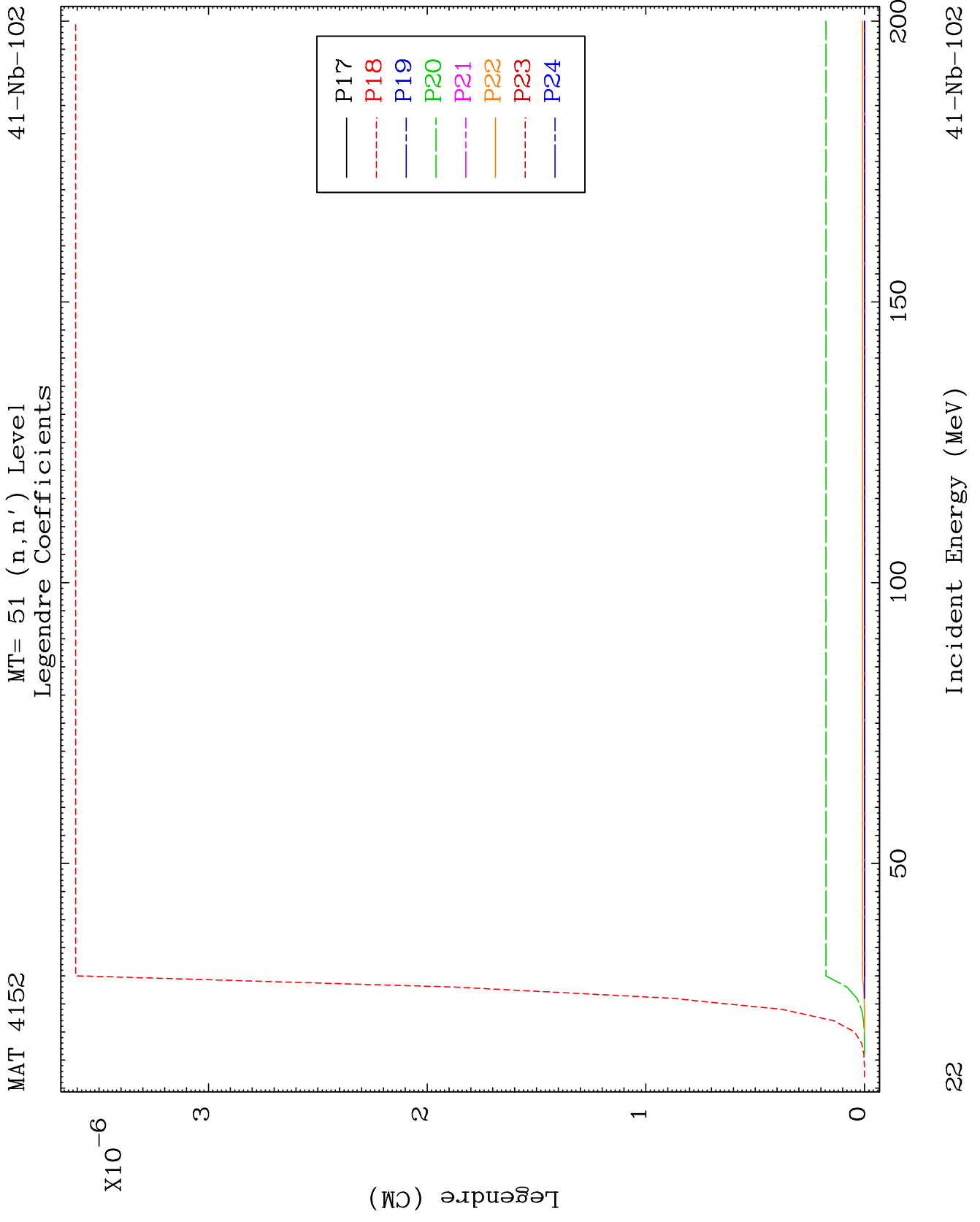
0

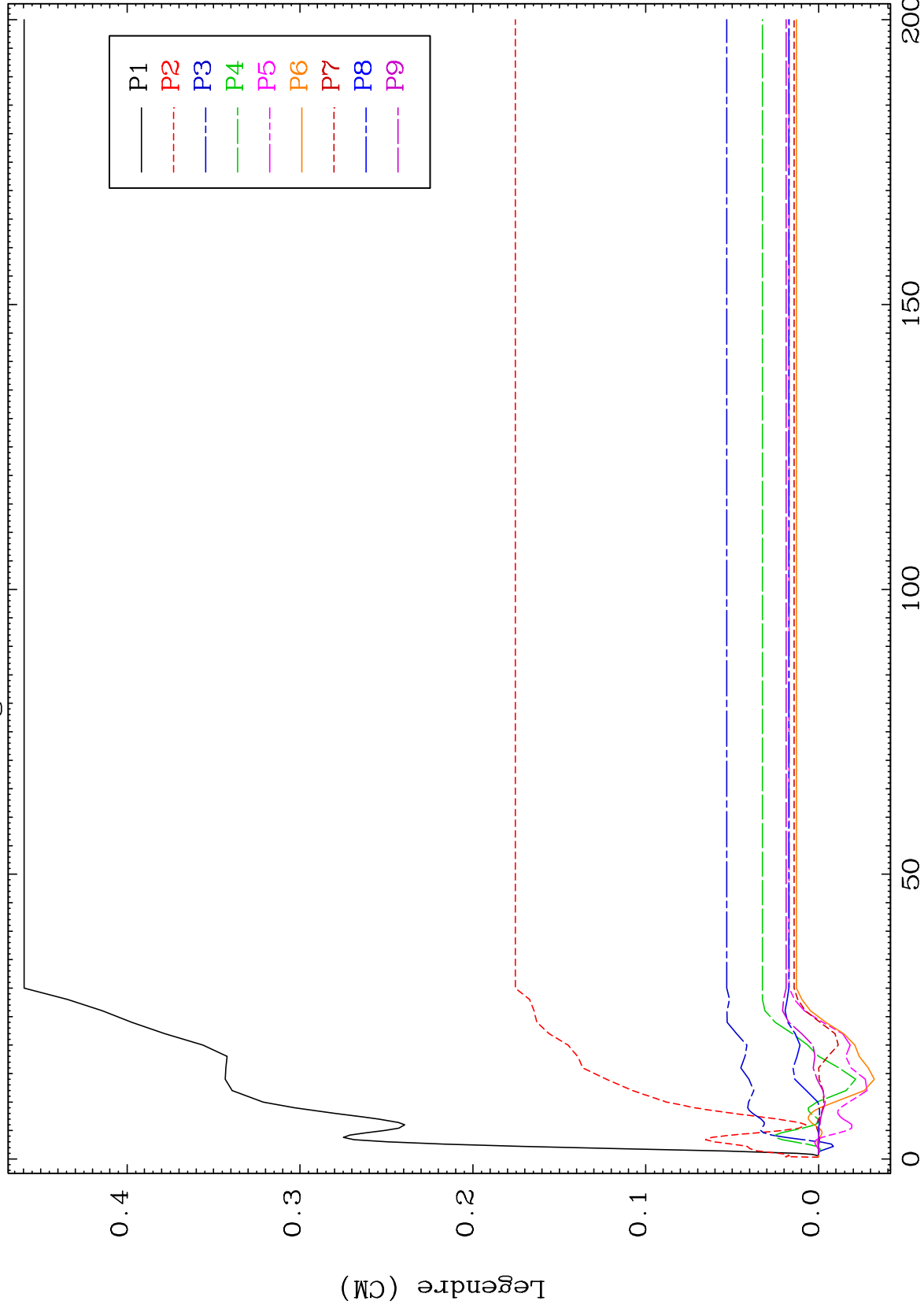
MAT 4152

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

41-Nb-102



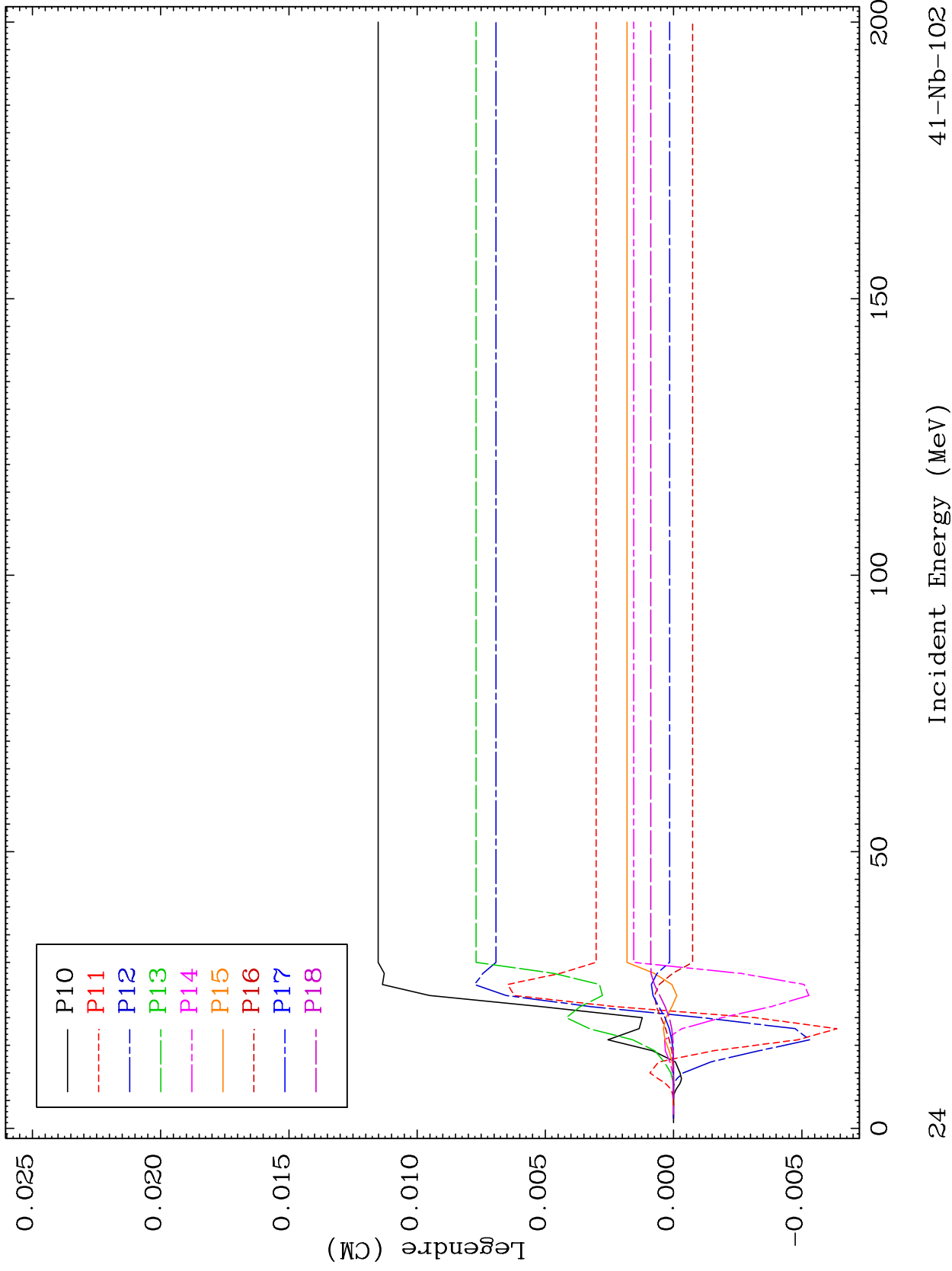




MAT 4152

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

41-Nb-102



24

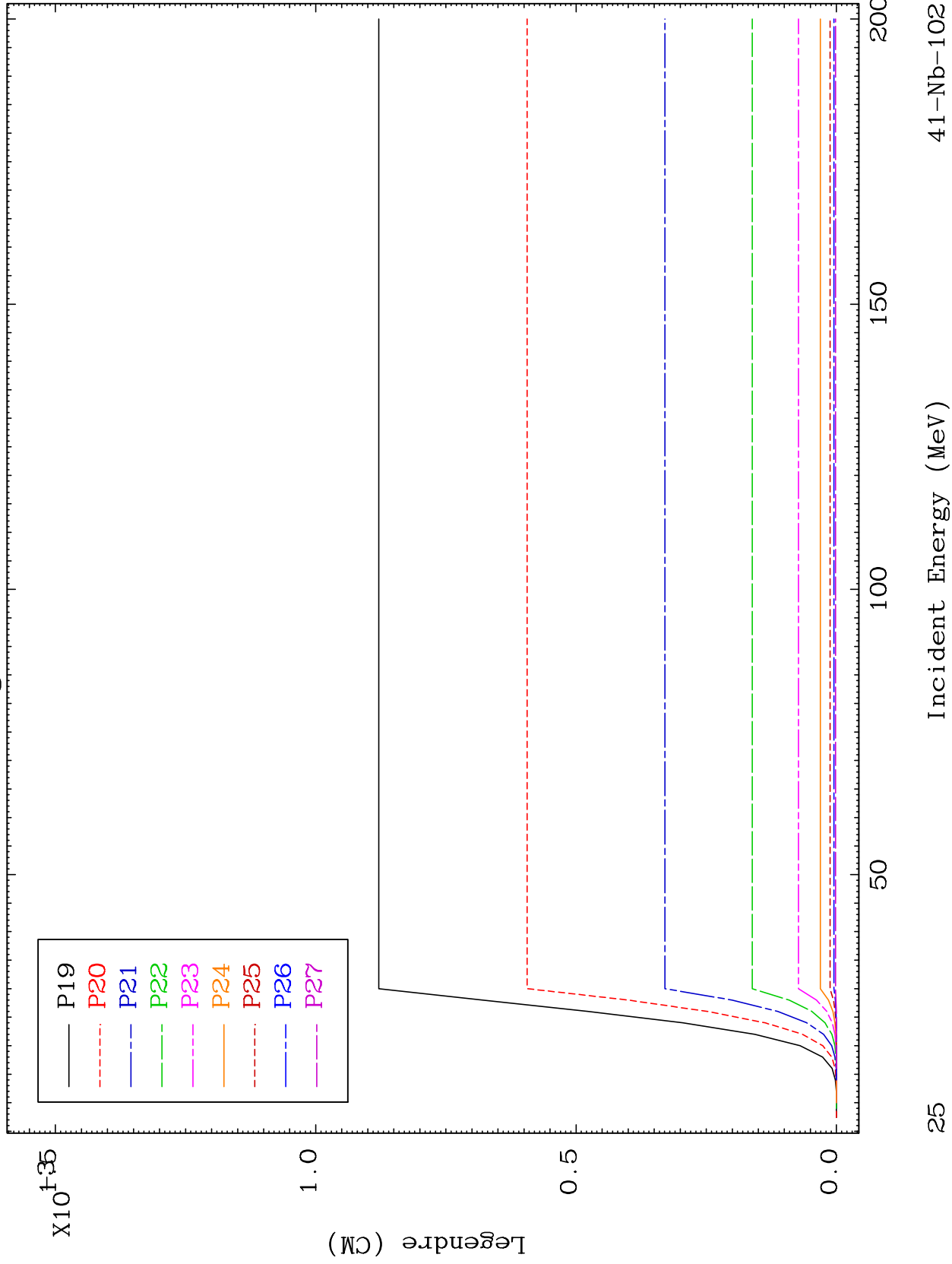
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



25

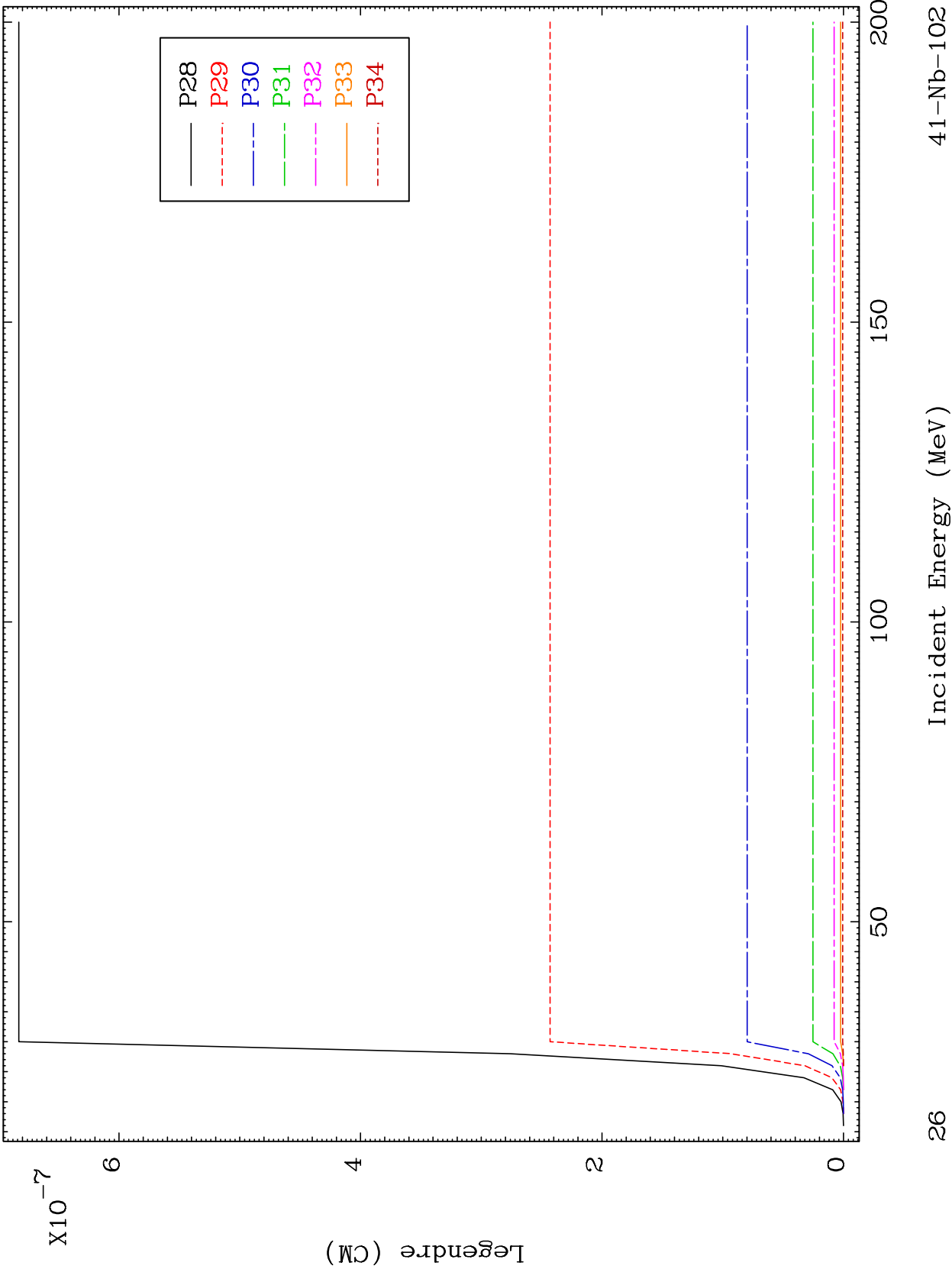
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



26

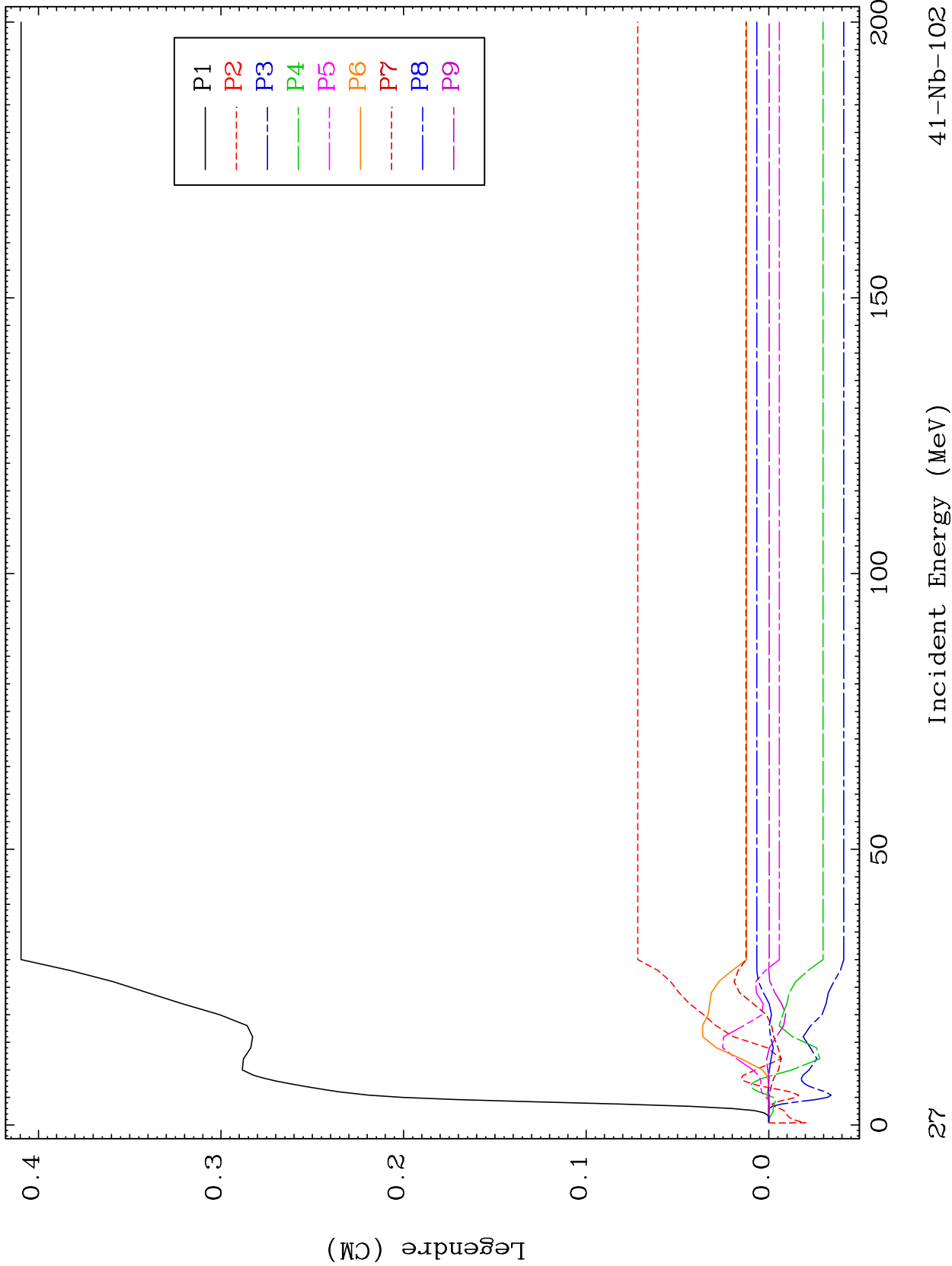
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



27

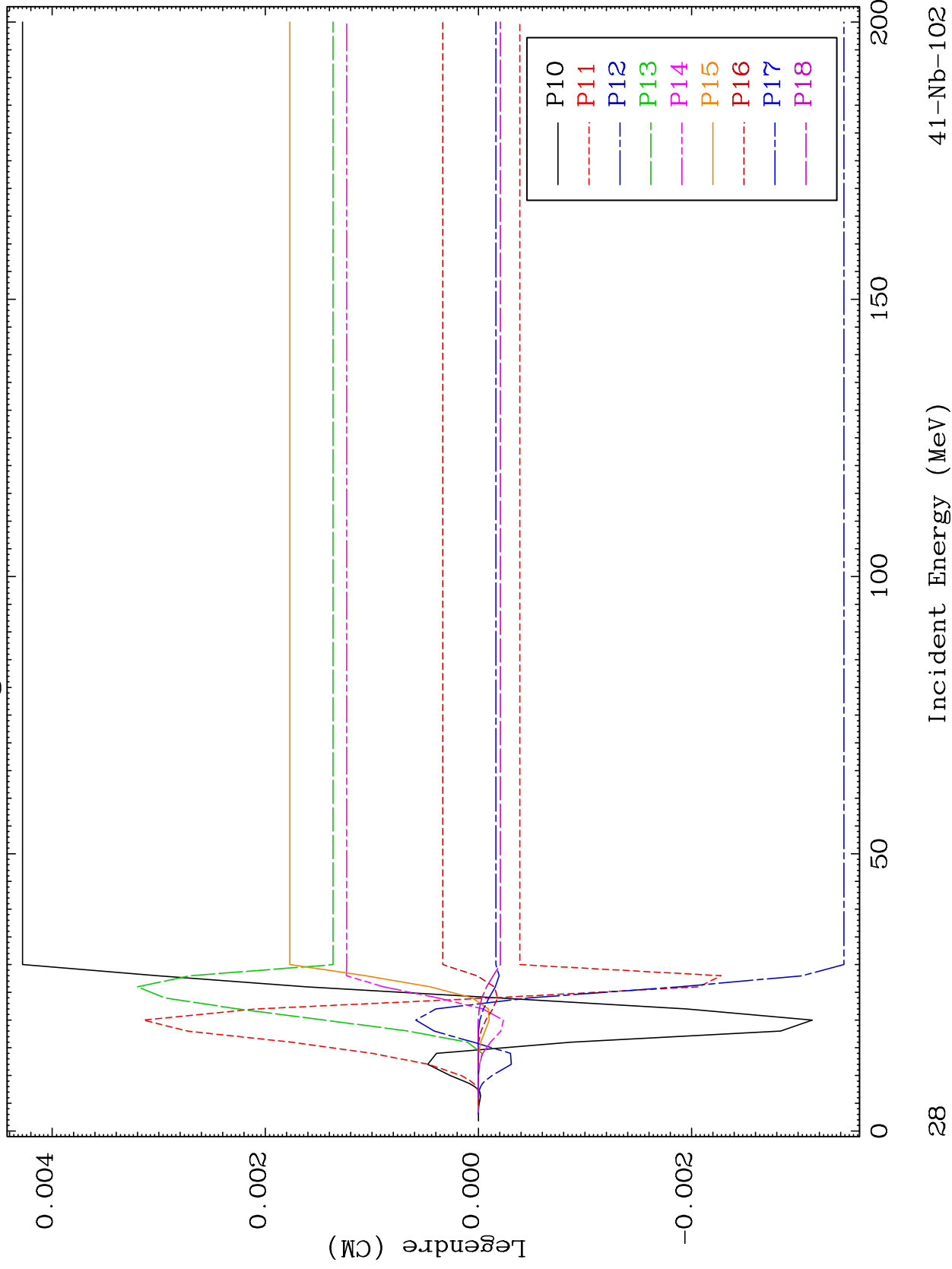
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



41-Nb-102

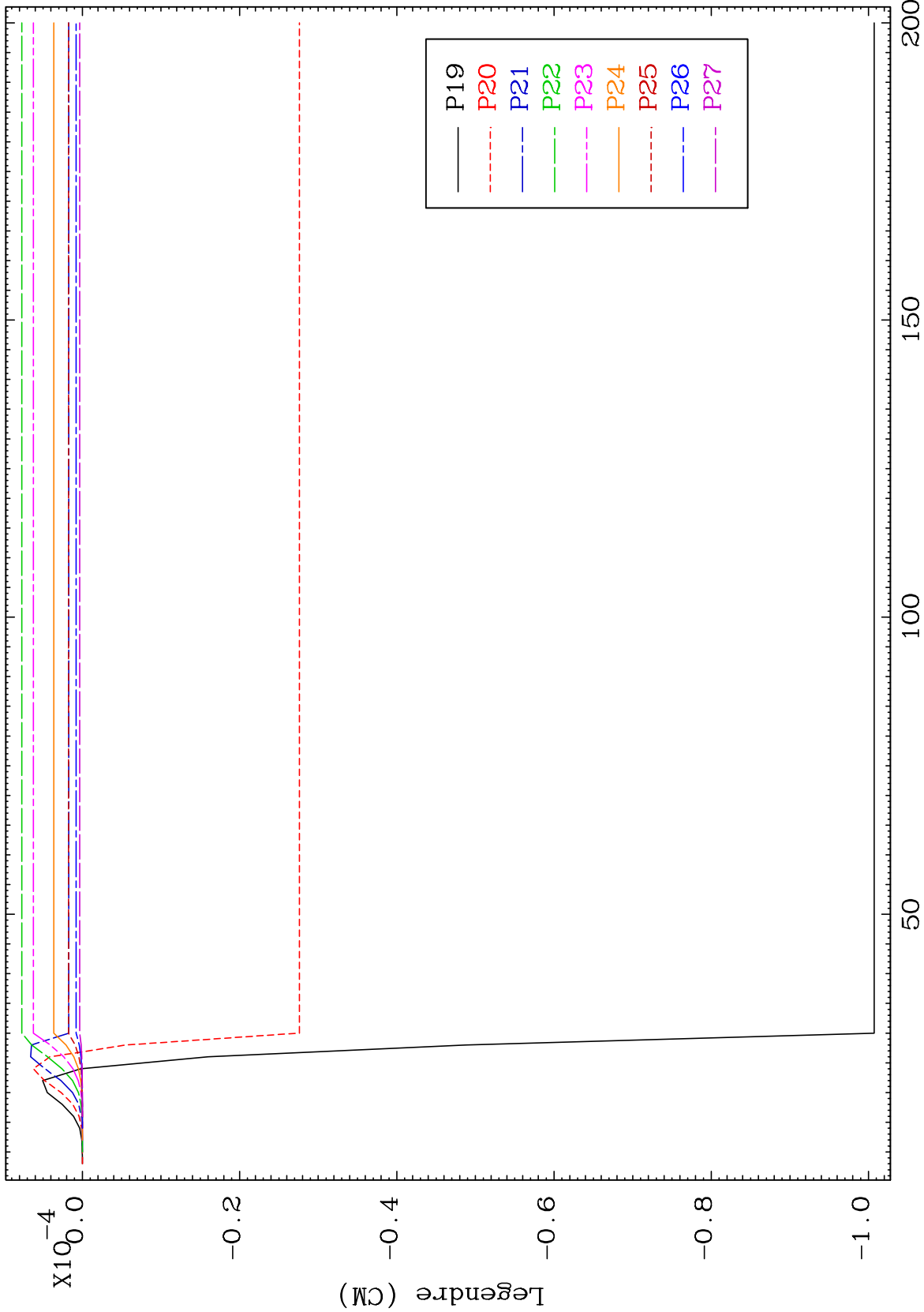
Incident Energy (MeV)

28

MAT 4152

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

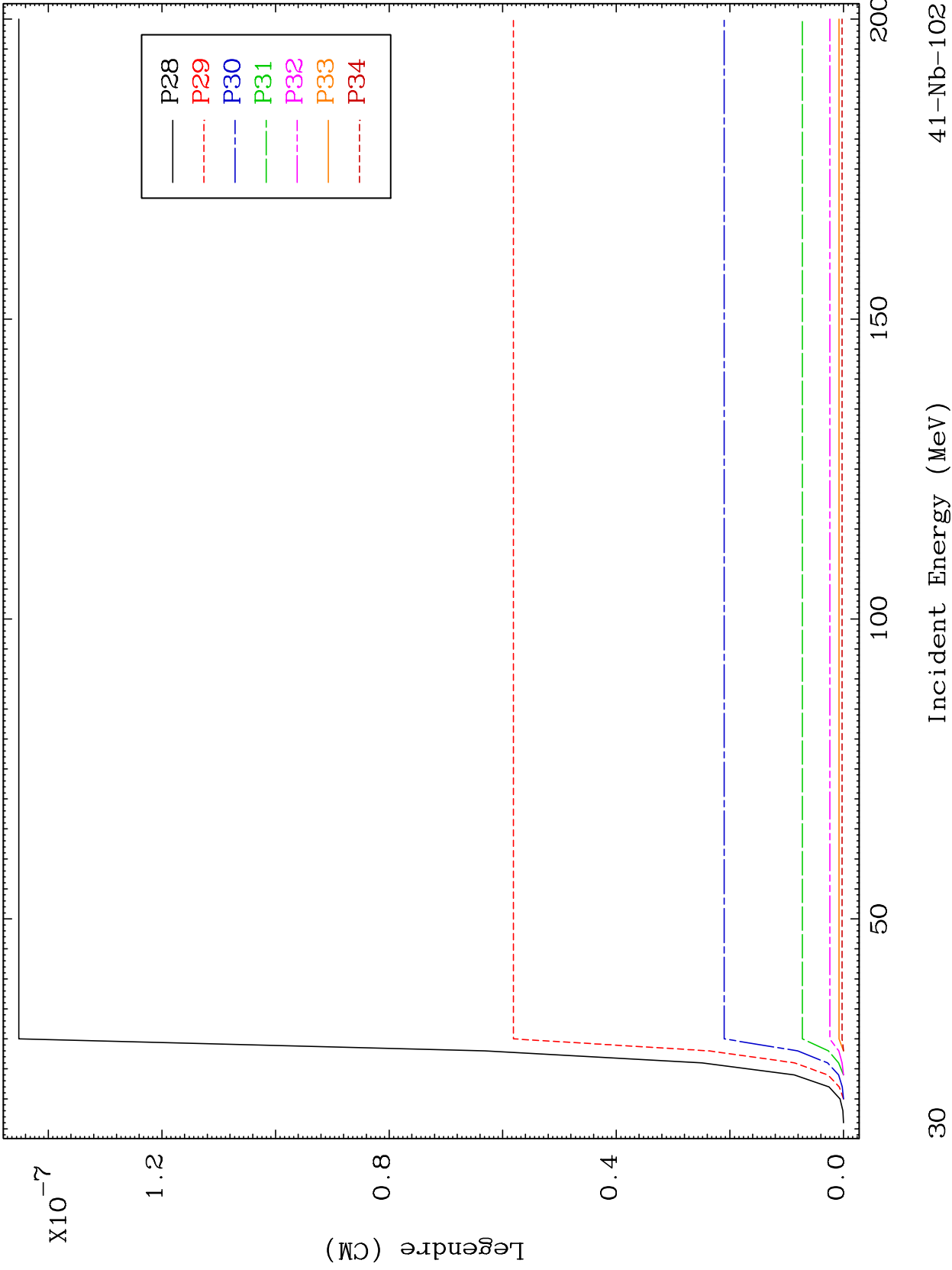
41-Nb-102



MAT 4152

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

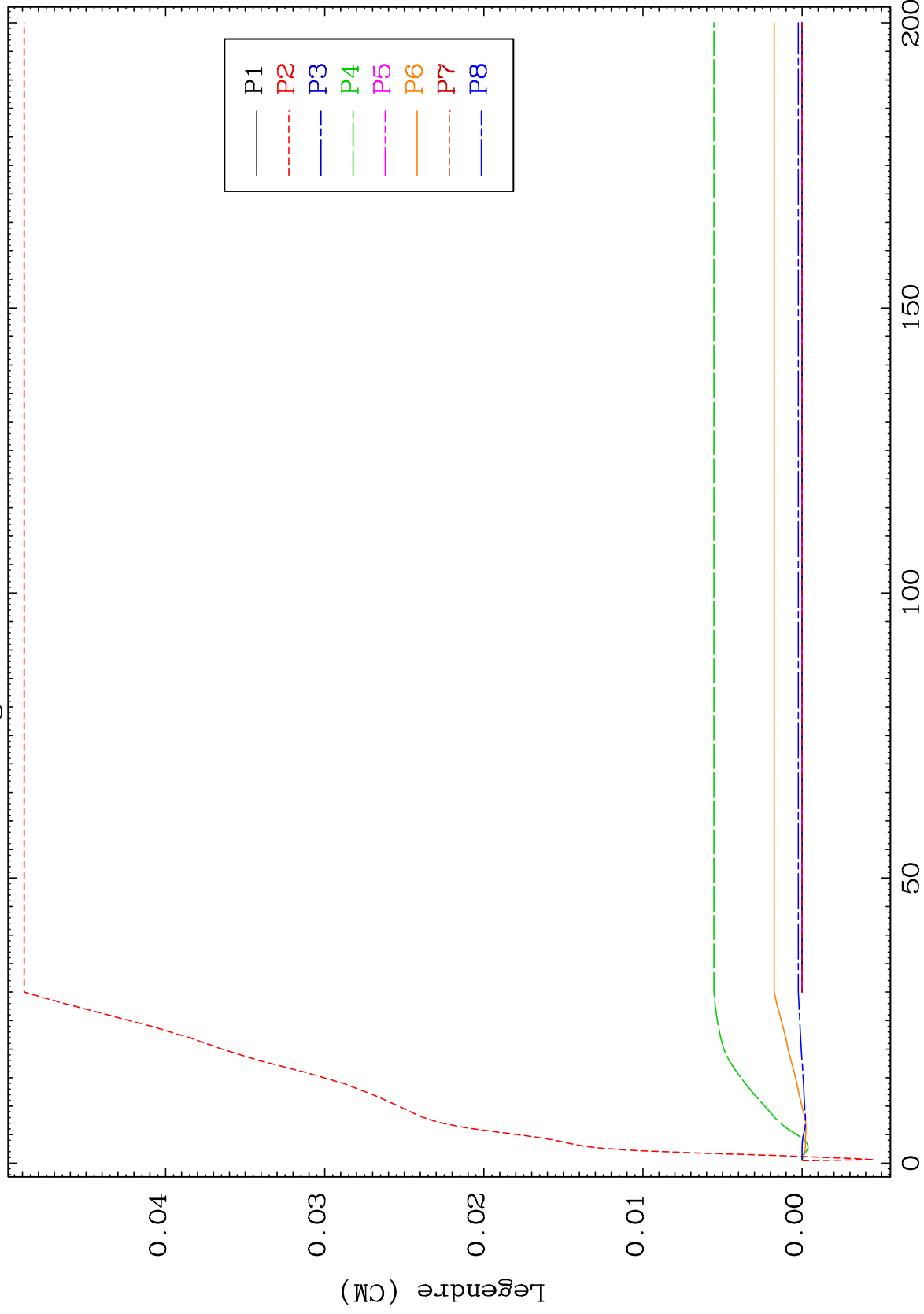
41-Nb-102



MAT 4152

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

41-Nb-102



31

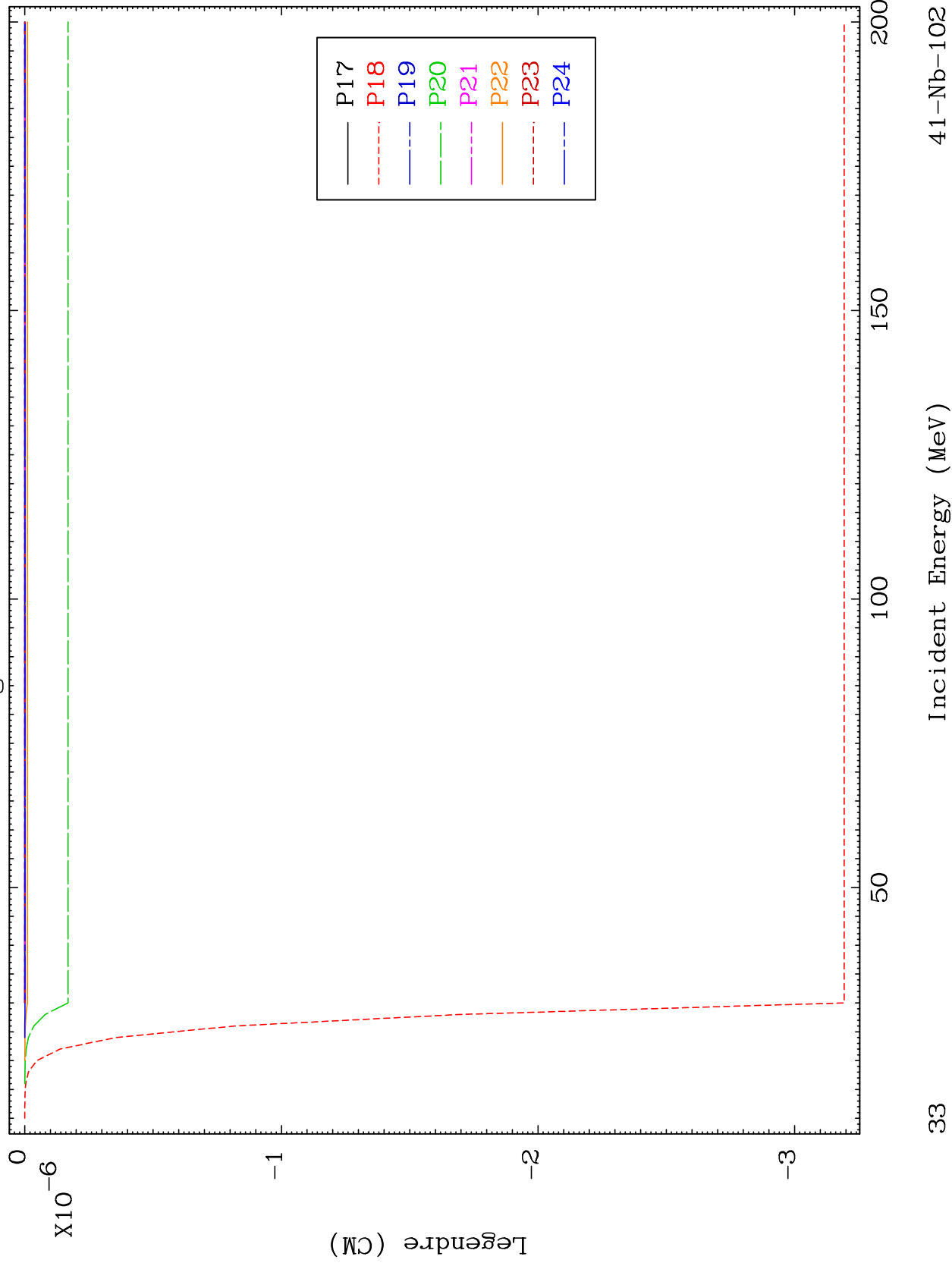
Incident Energy (MeV)

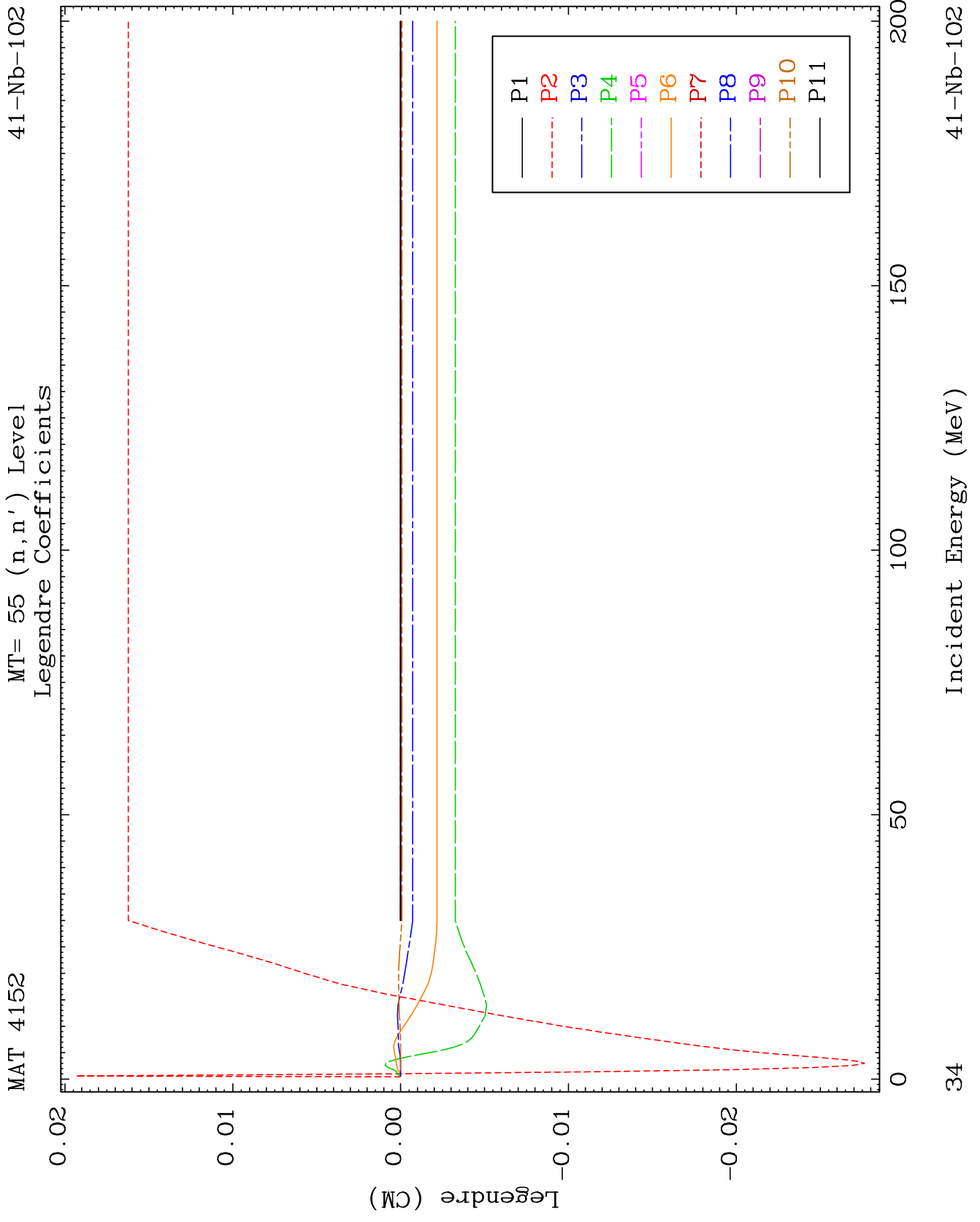
41-Nb-102

MAT 4152

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

41-Nb-102

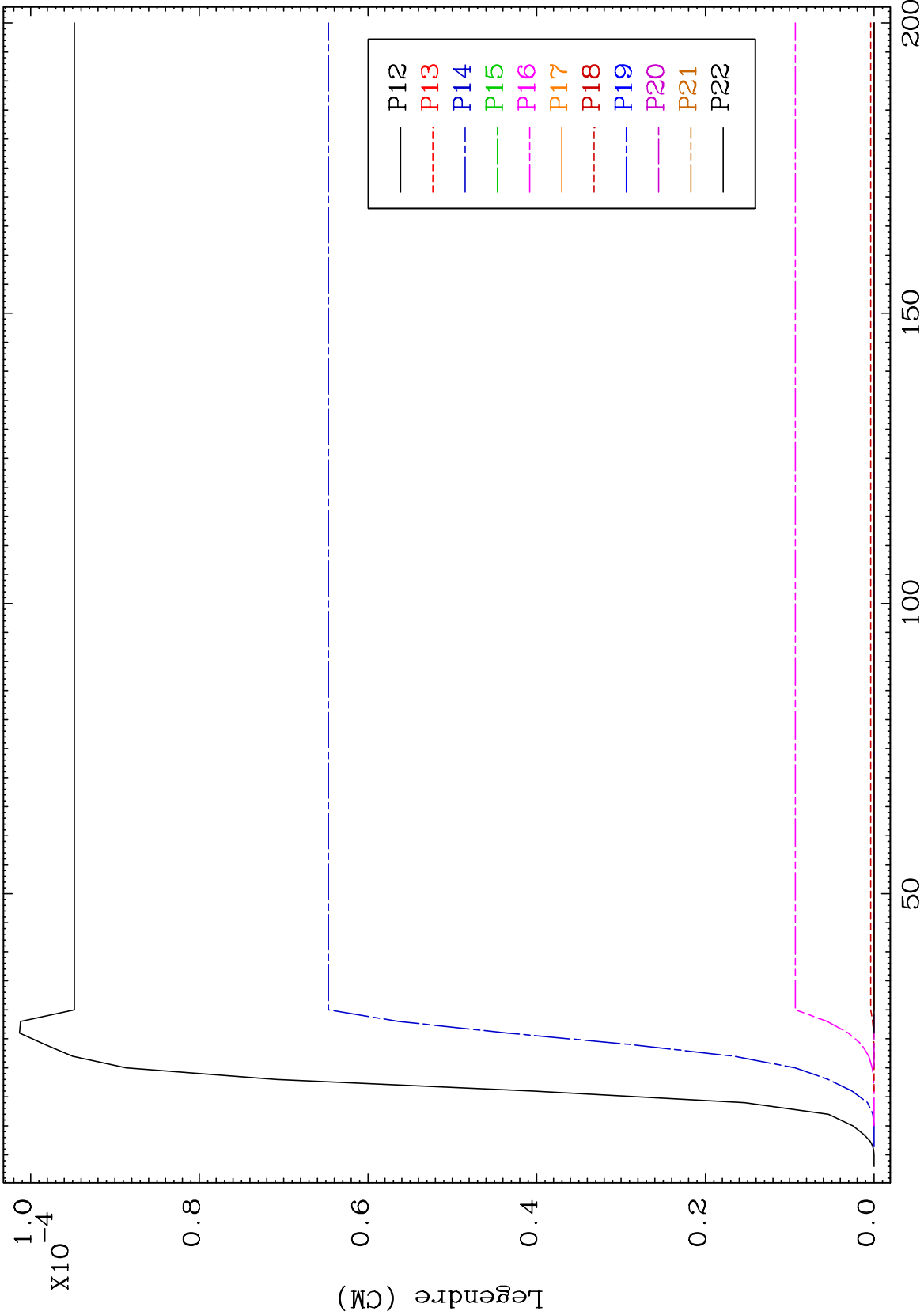




MAT 4152

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

41-Nb-102



35

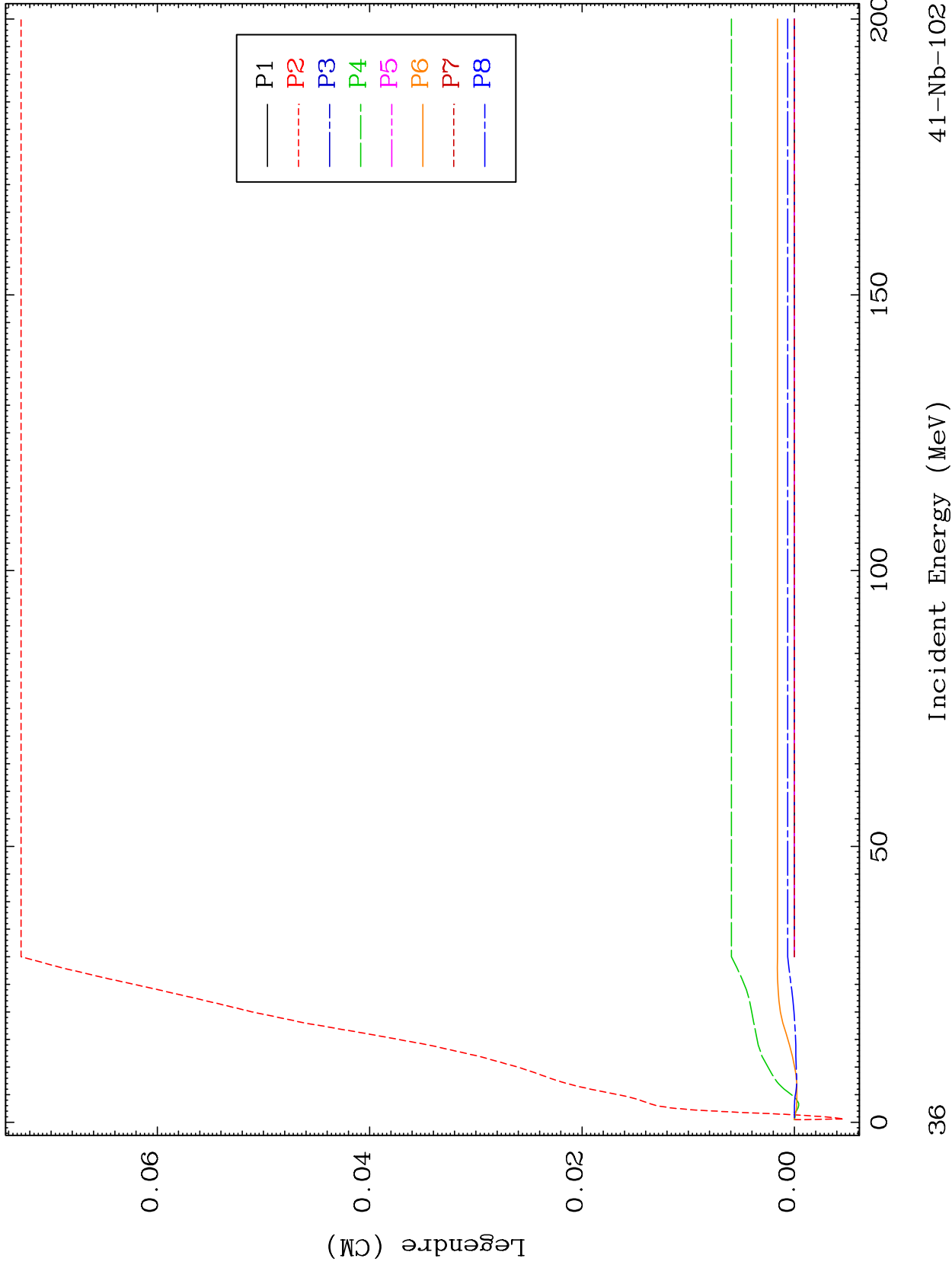
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



36

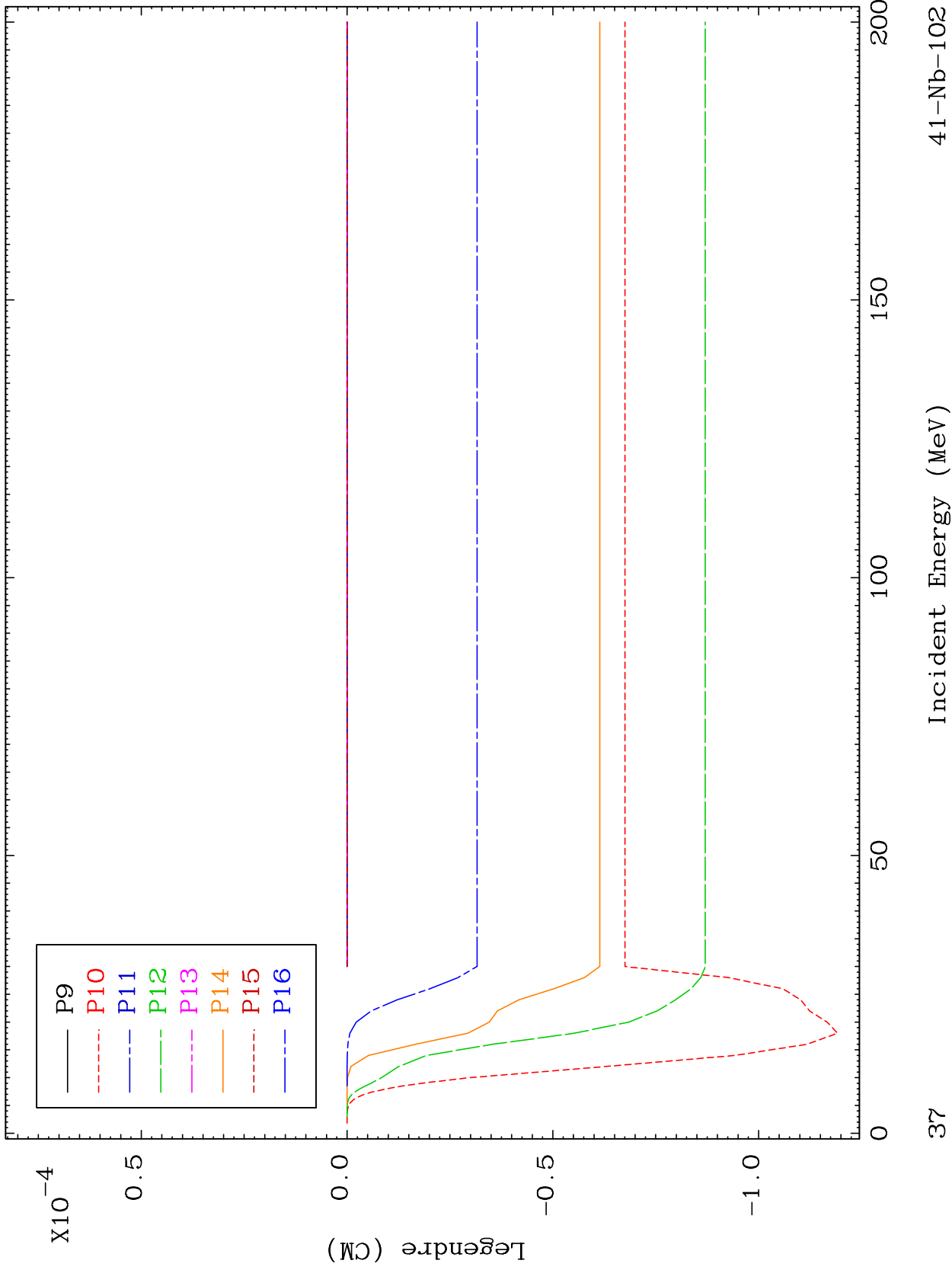
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

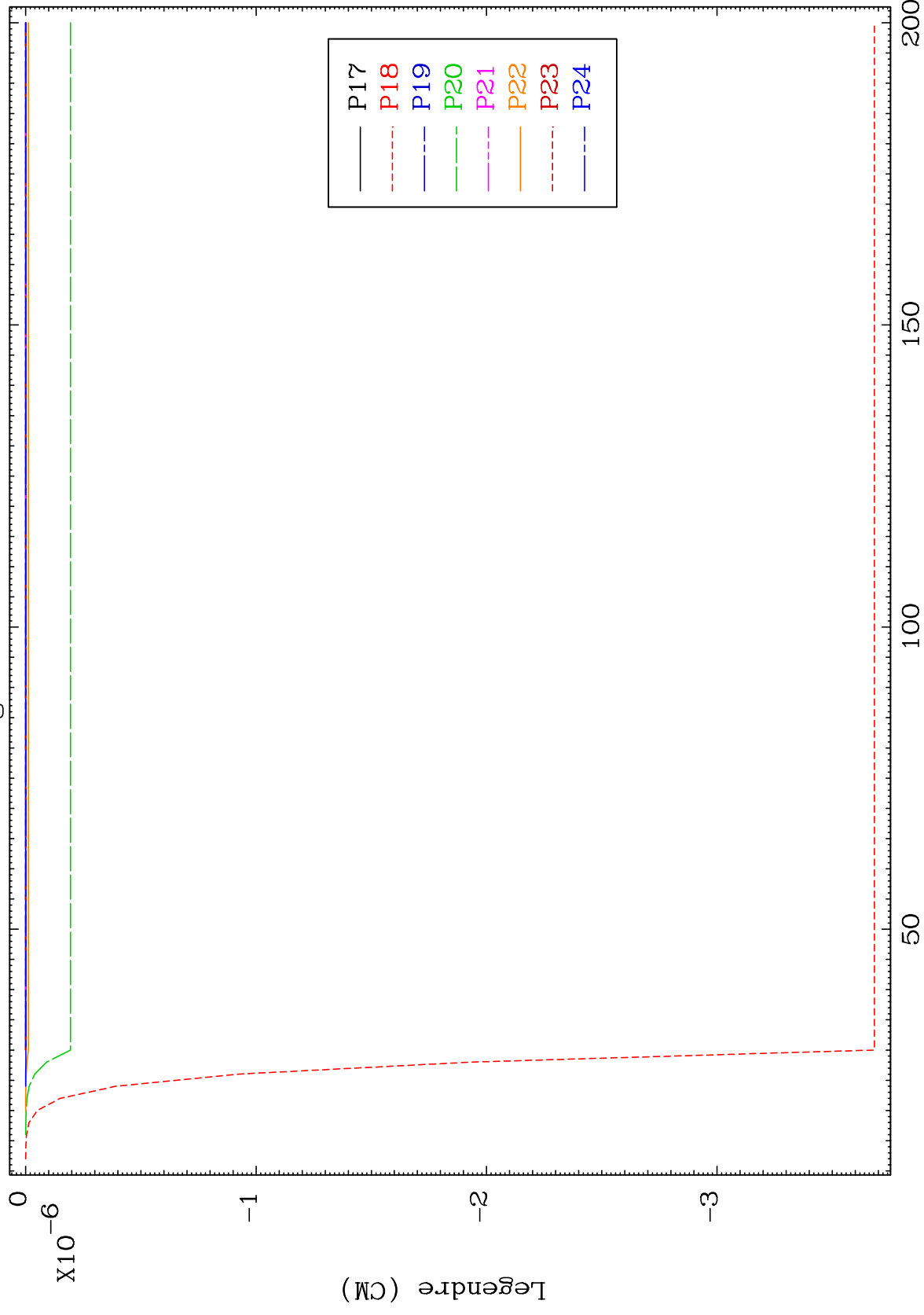
41-Nb-102



MAT 4152

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

41-Nb-102



38

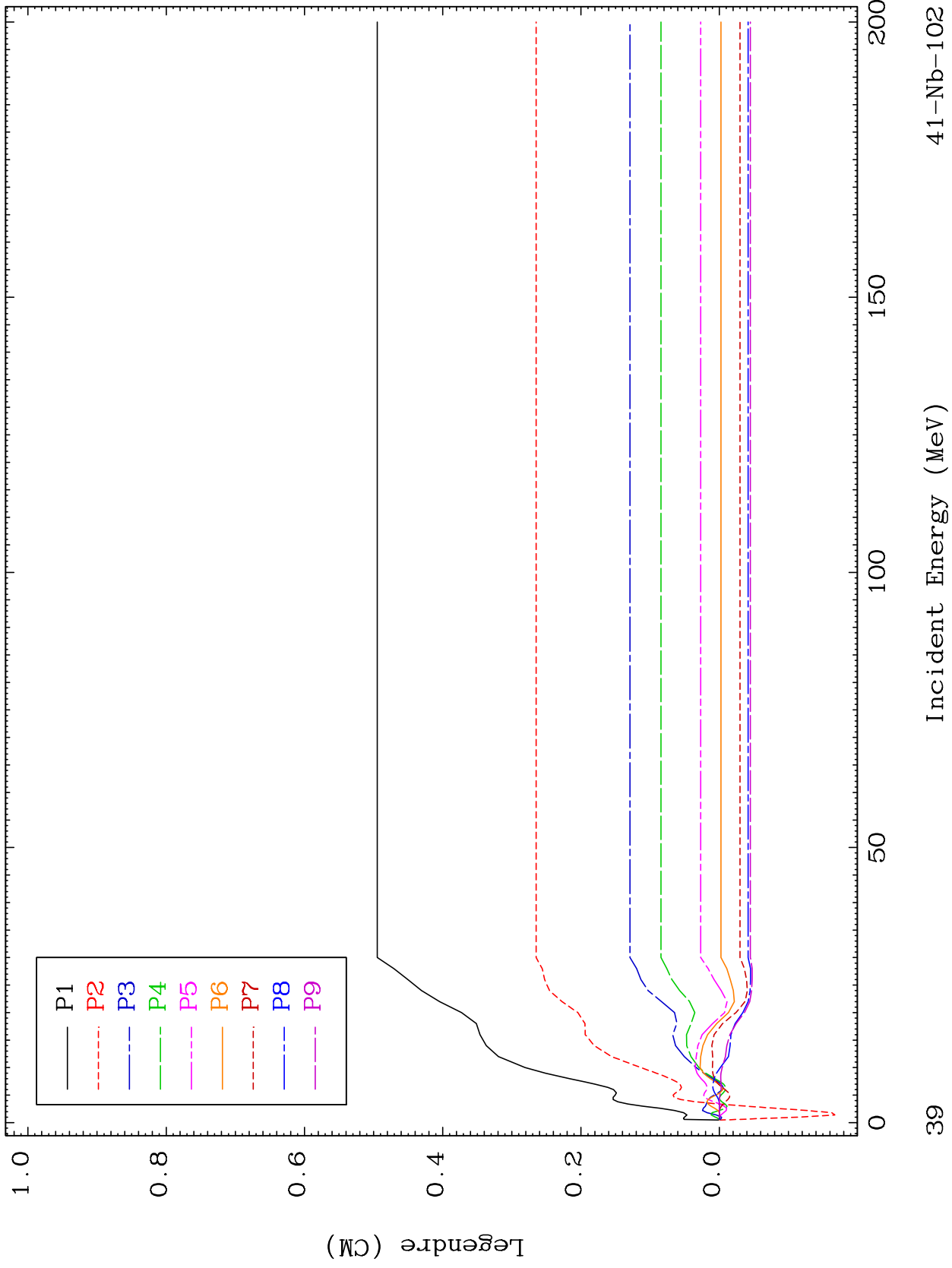
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

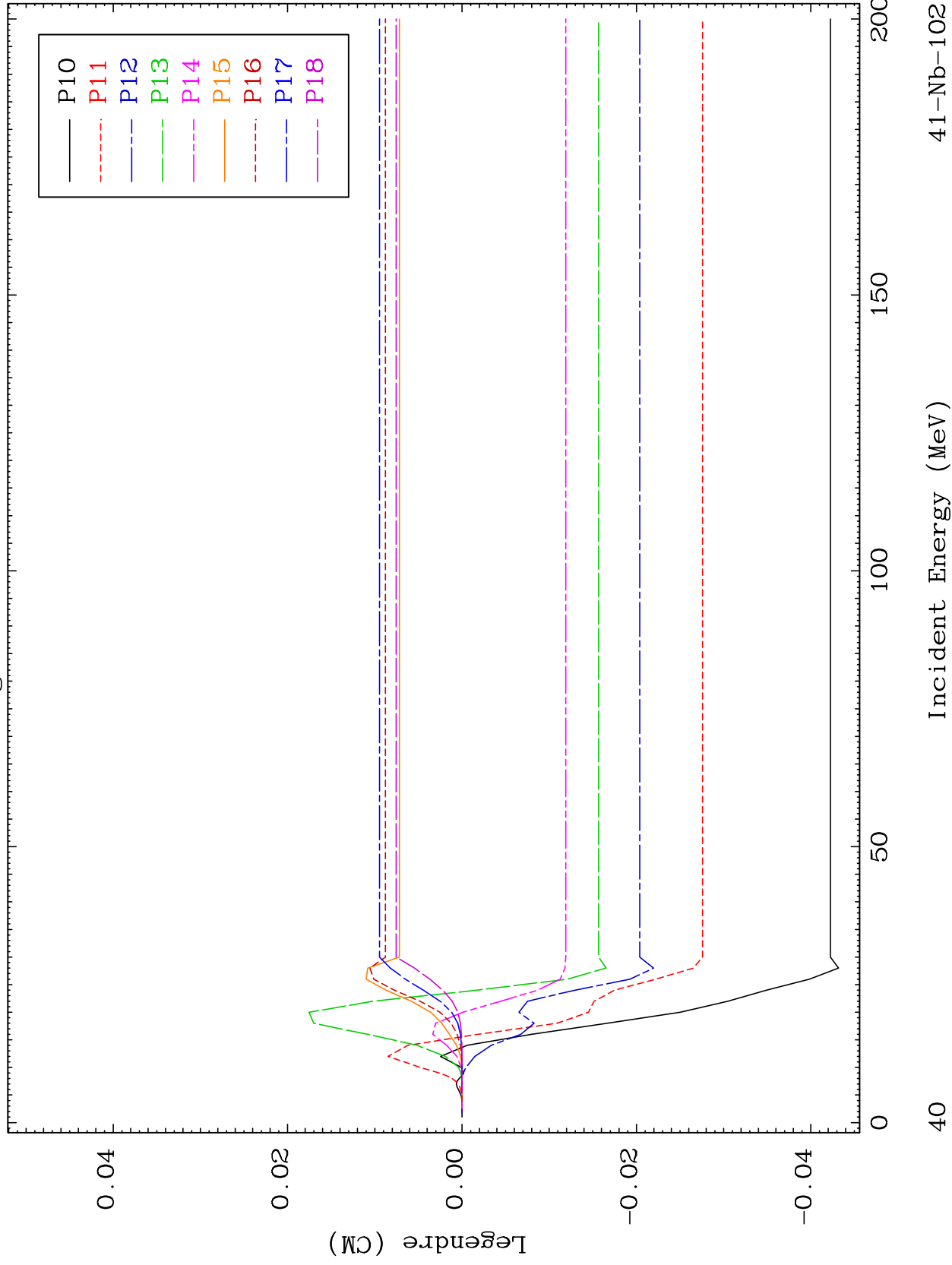
41-Nb-102



MAT 4152

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

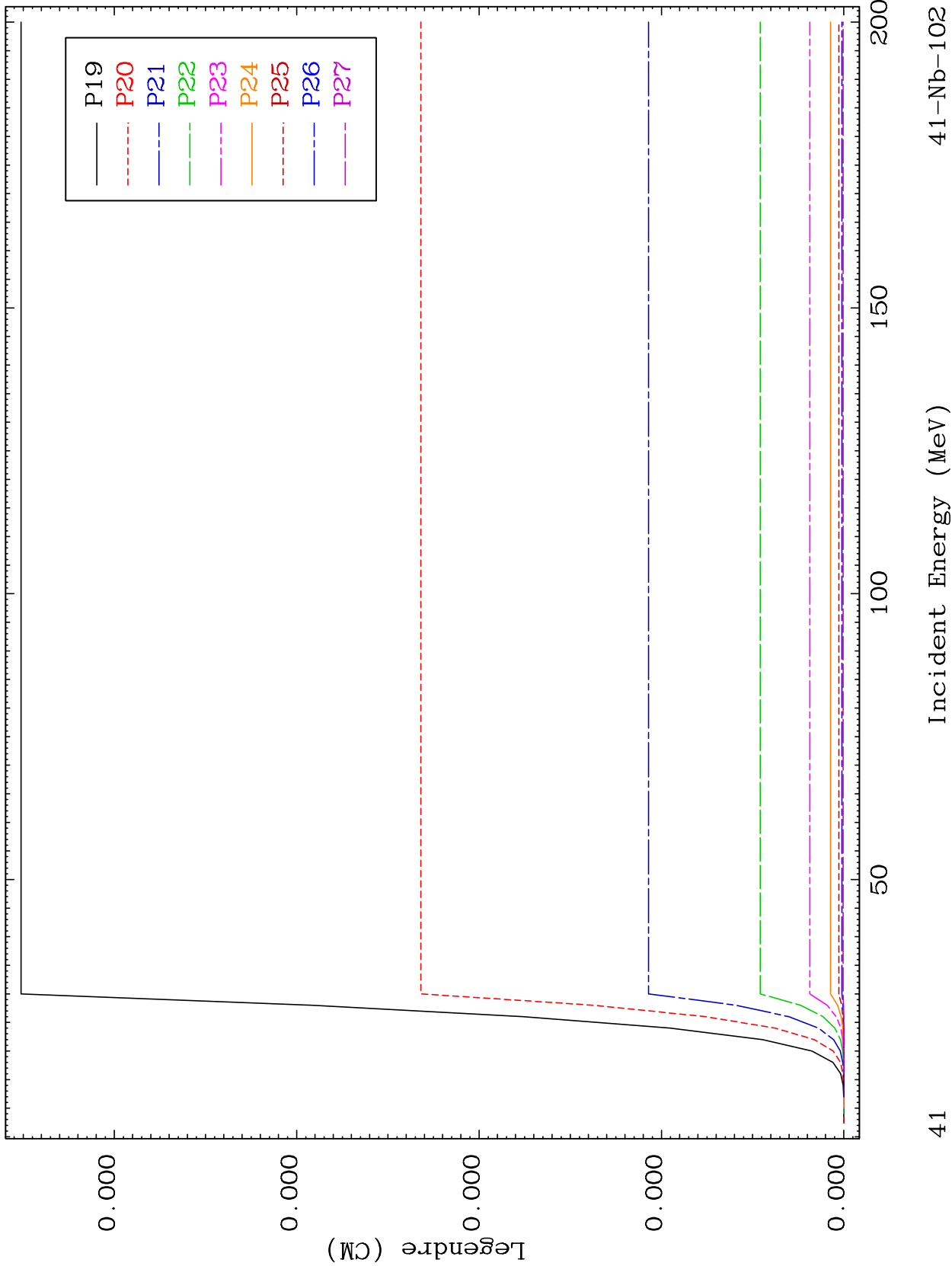
41-Nb-102



MAT 4152

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

41-Nb-102



41

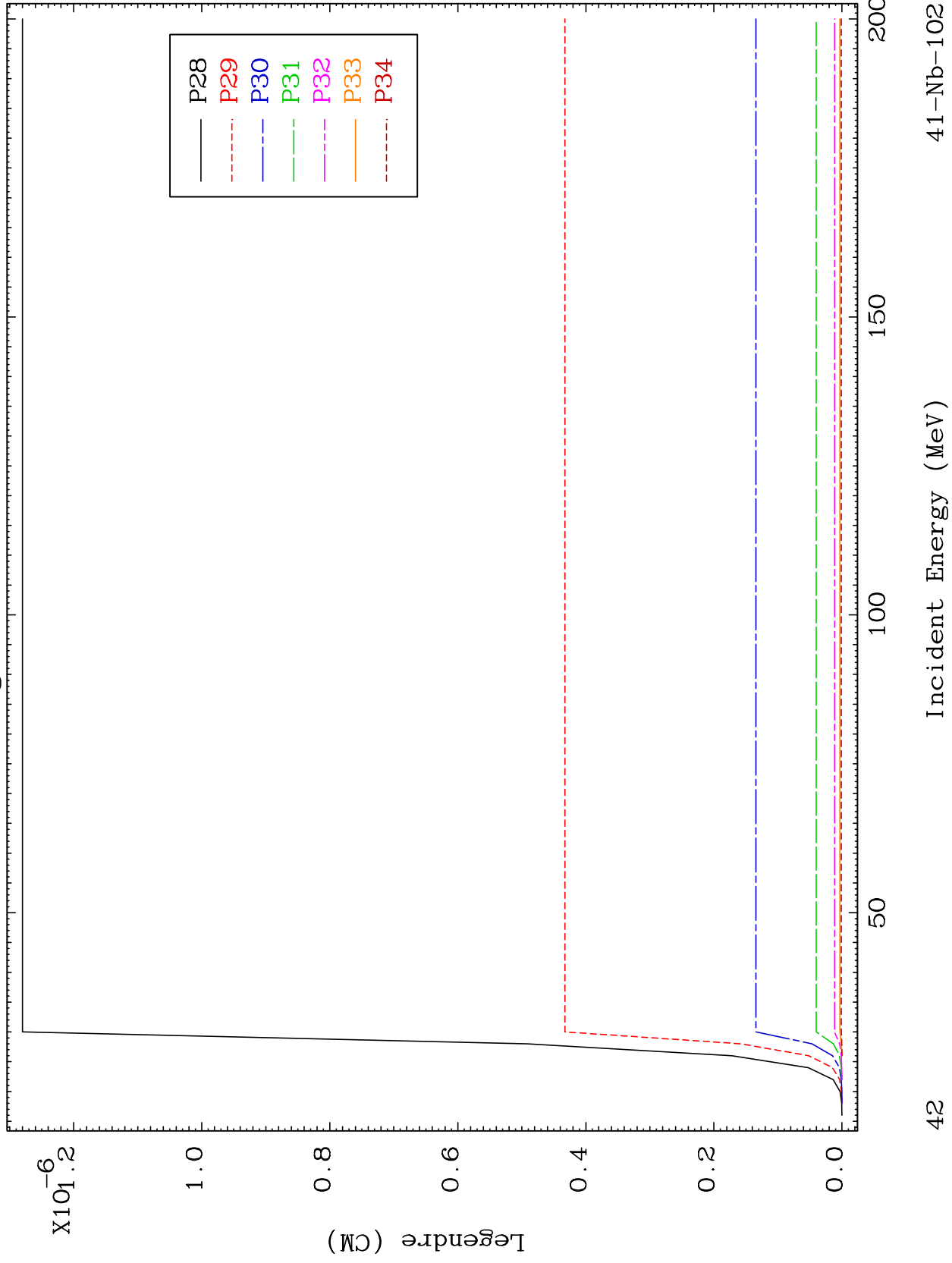
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102

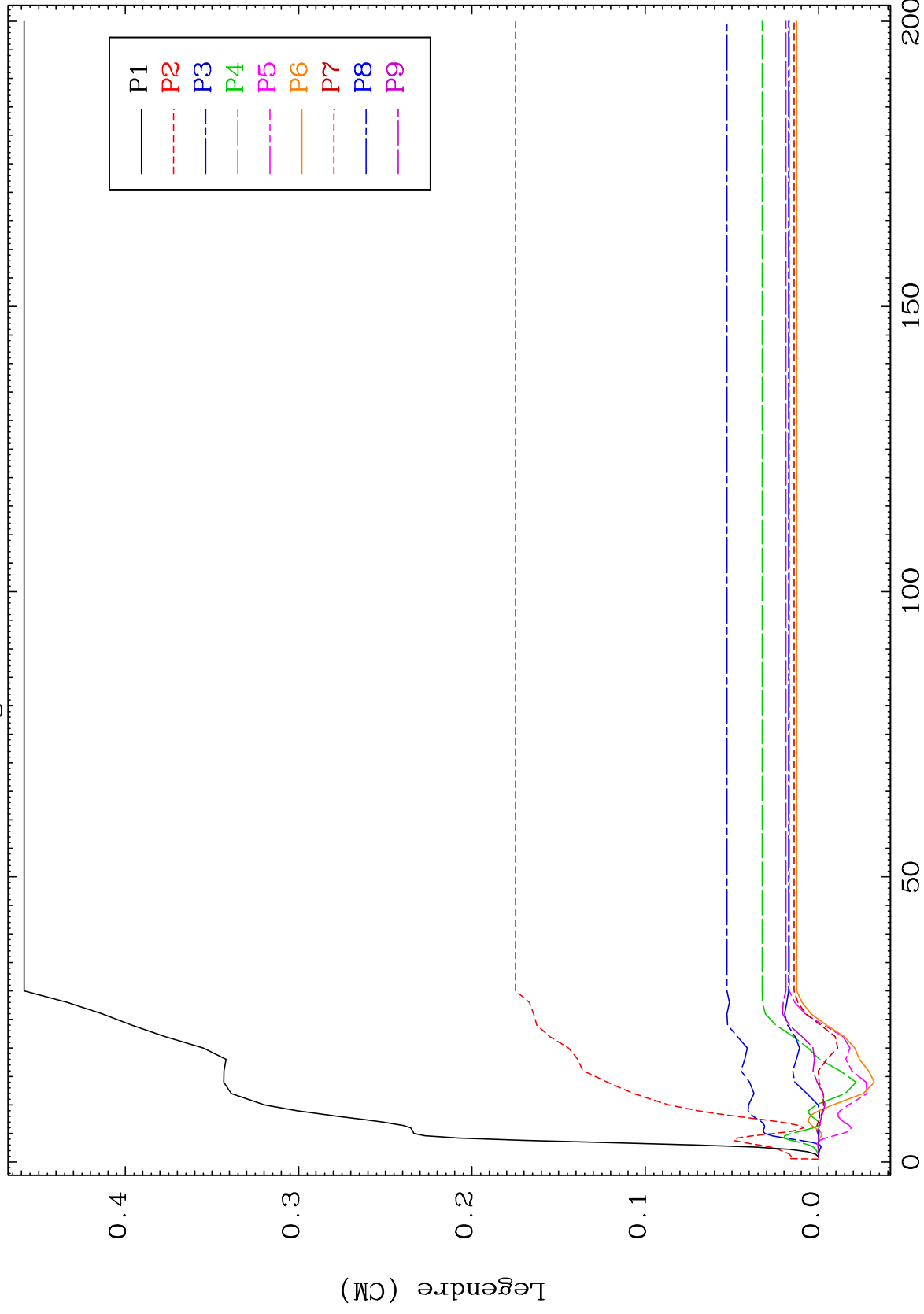


42

MAT 4152

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

41-Nb-102



43

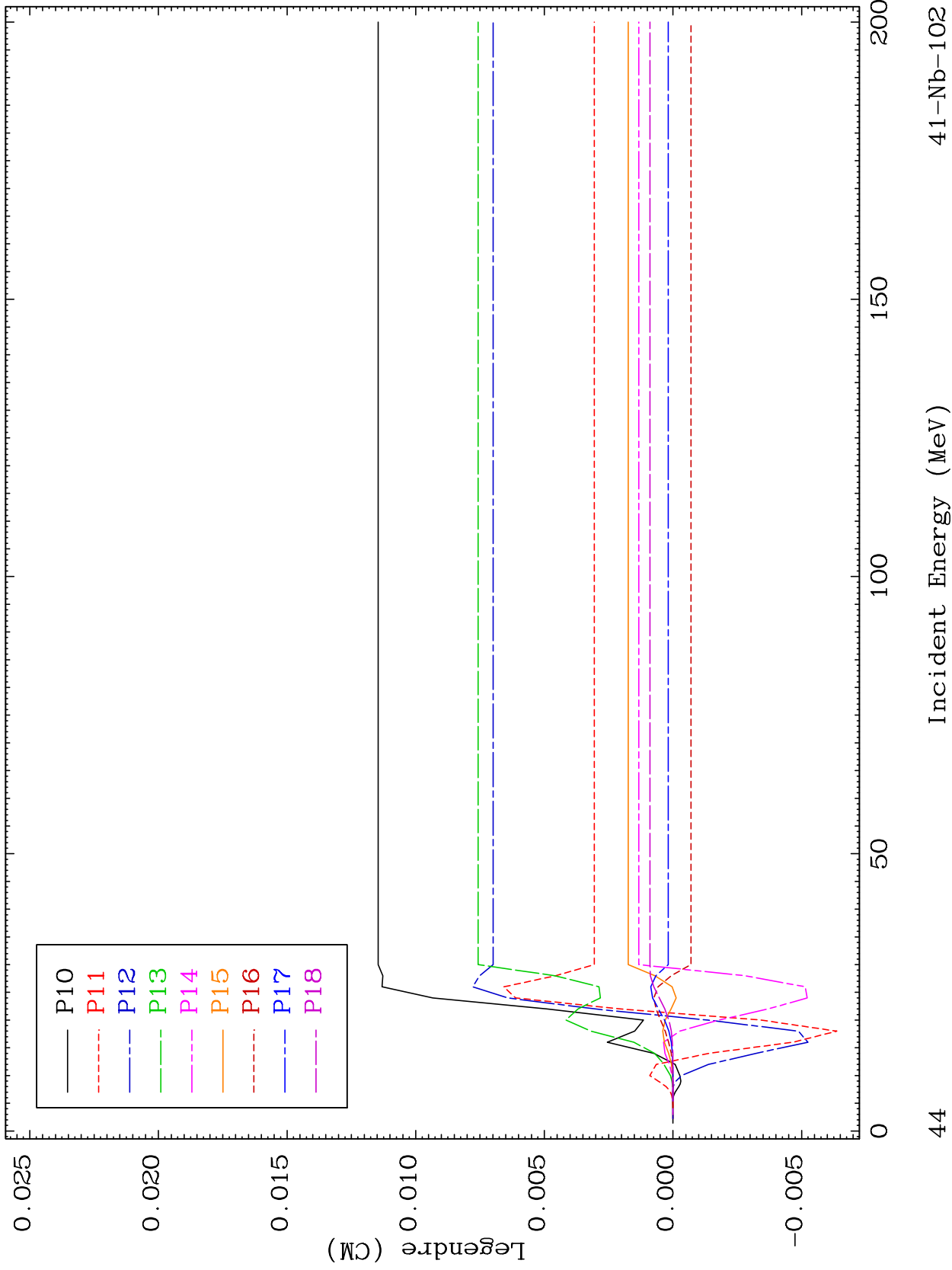
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



44

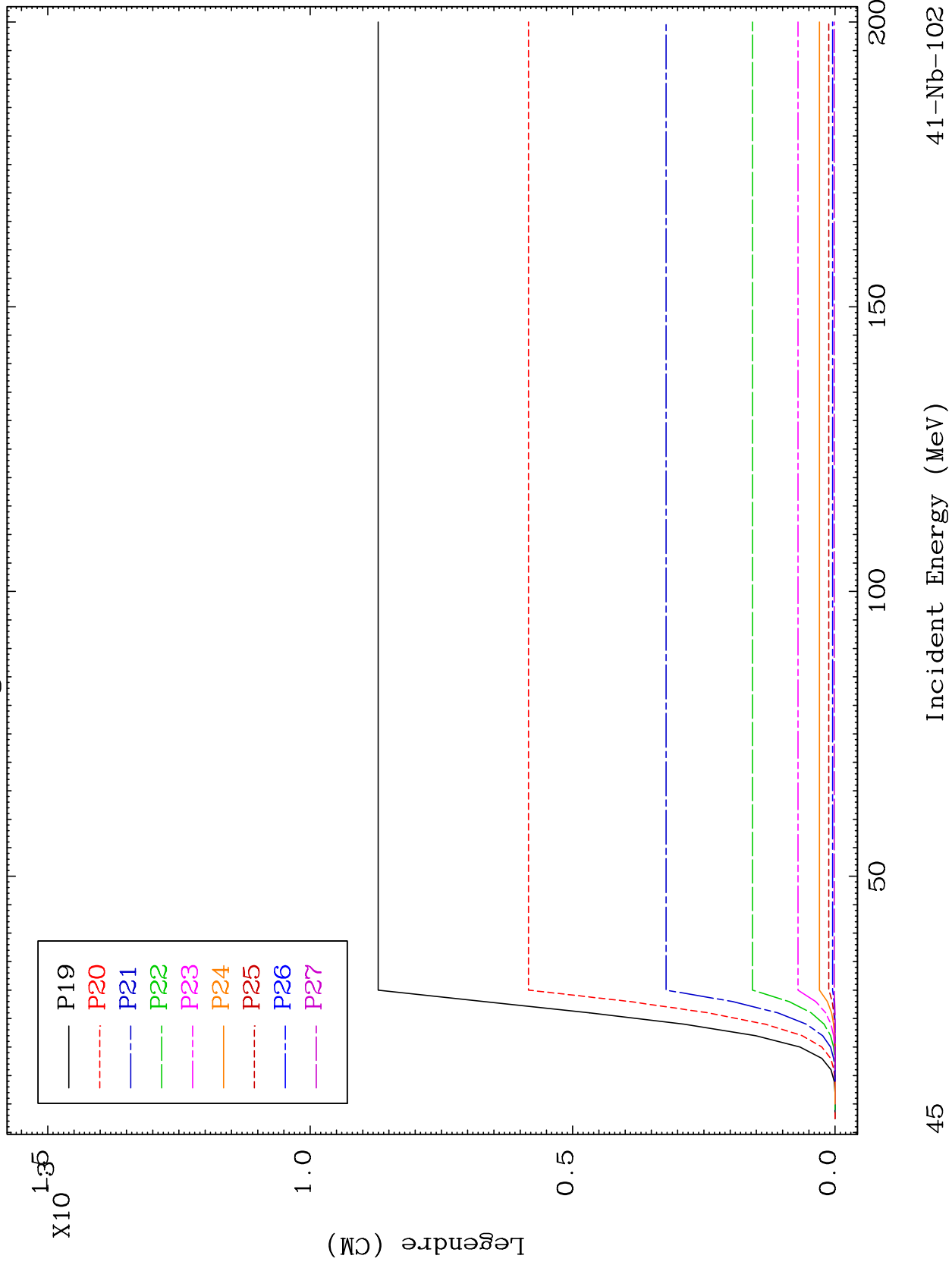
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



45

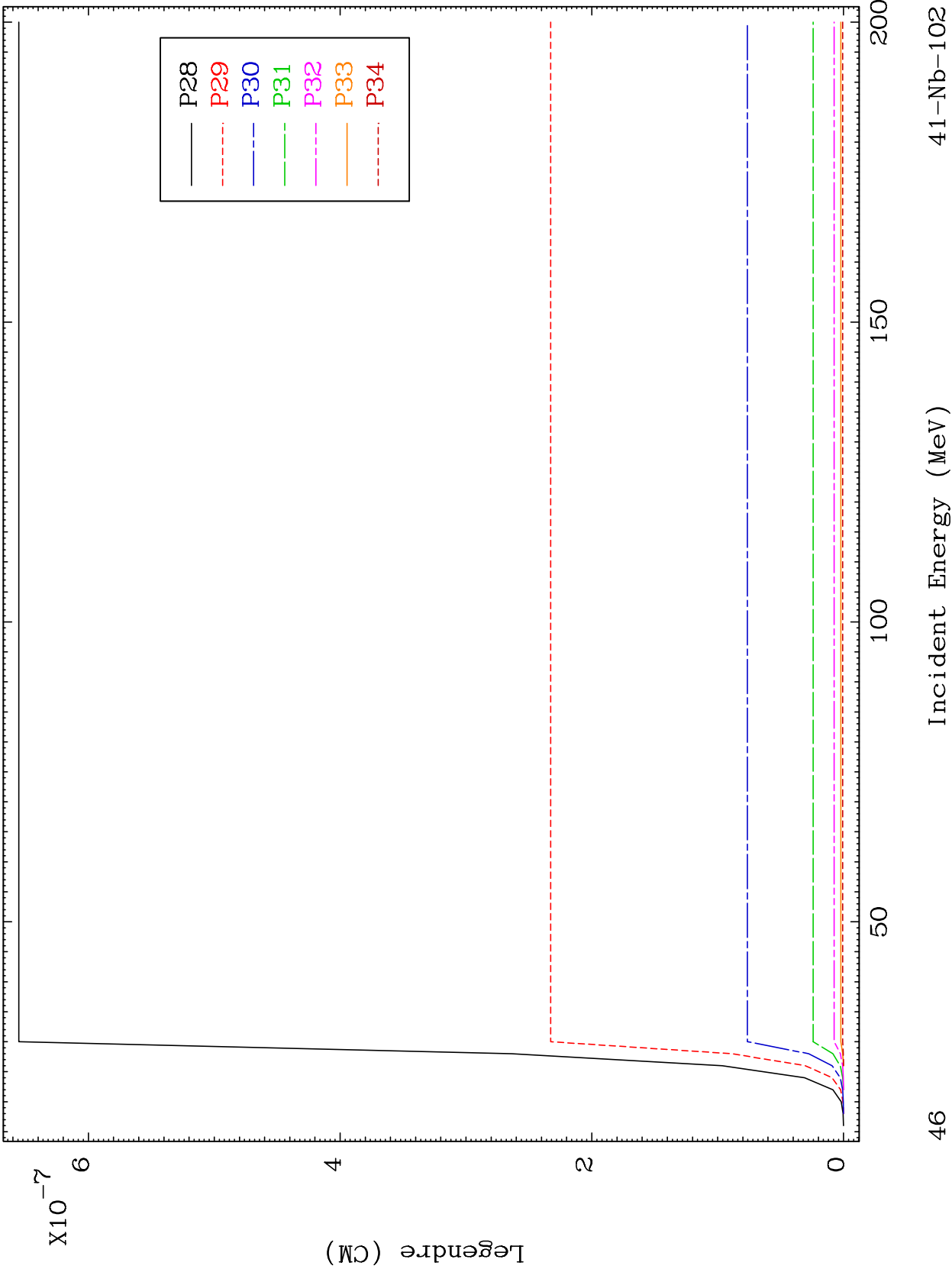
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



46

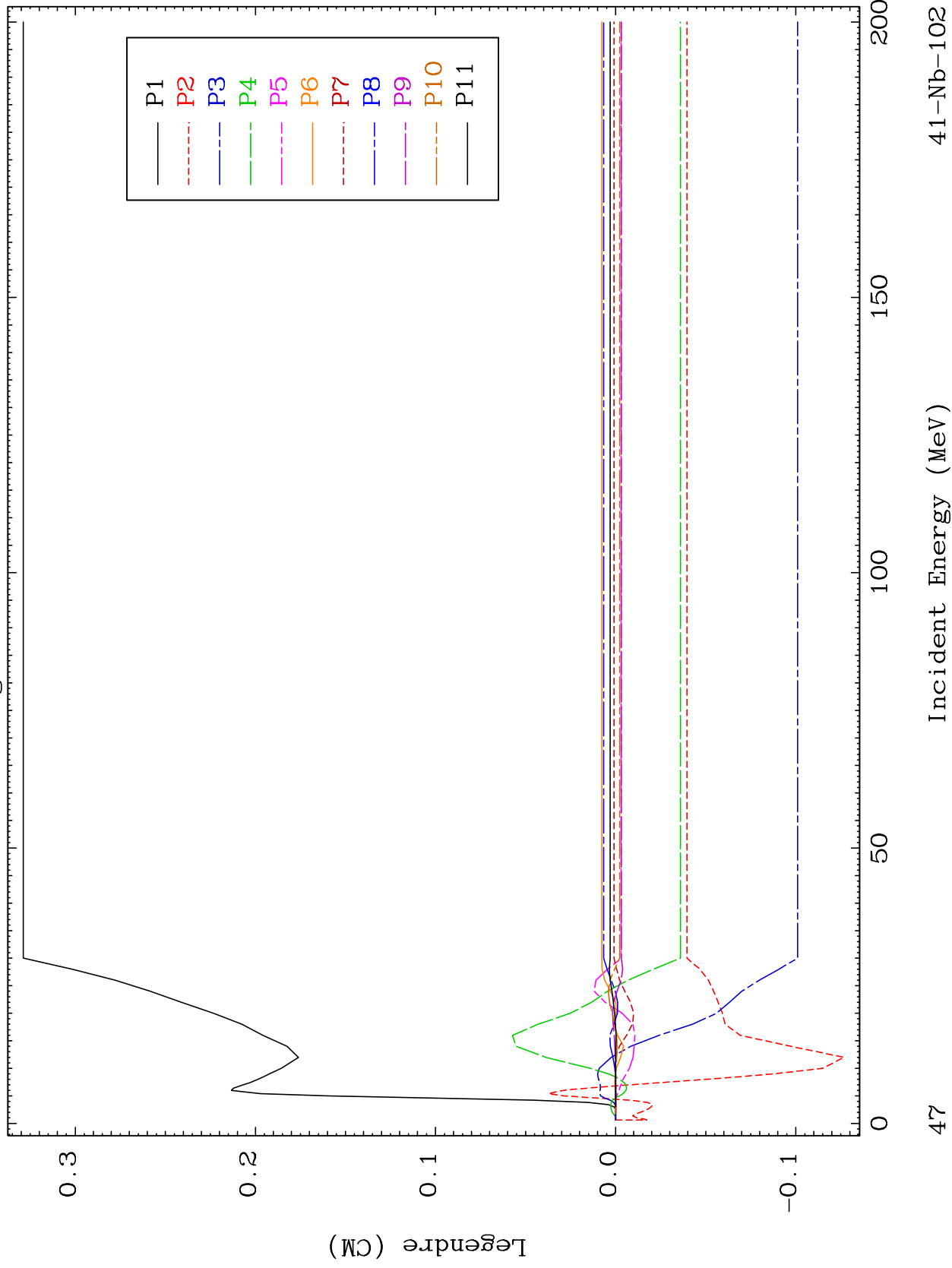
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

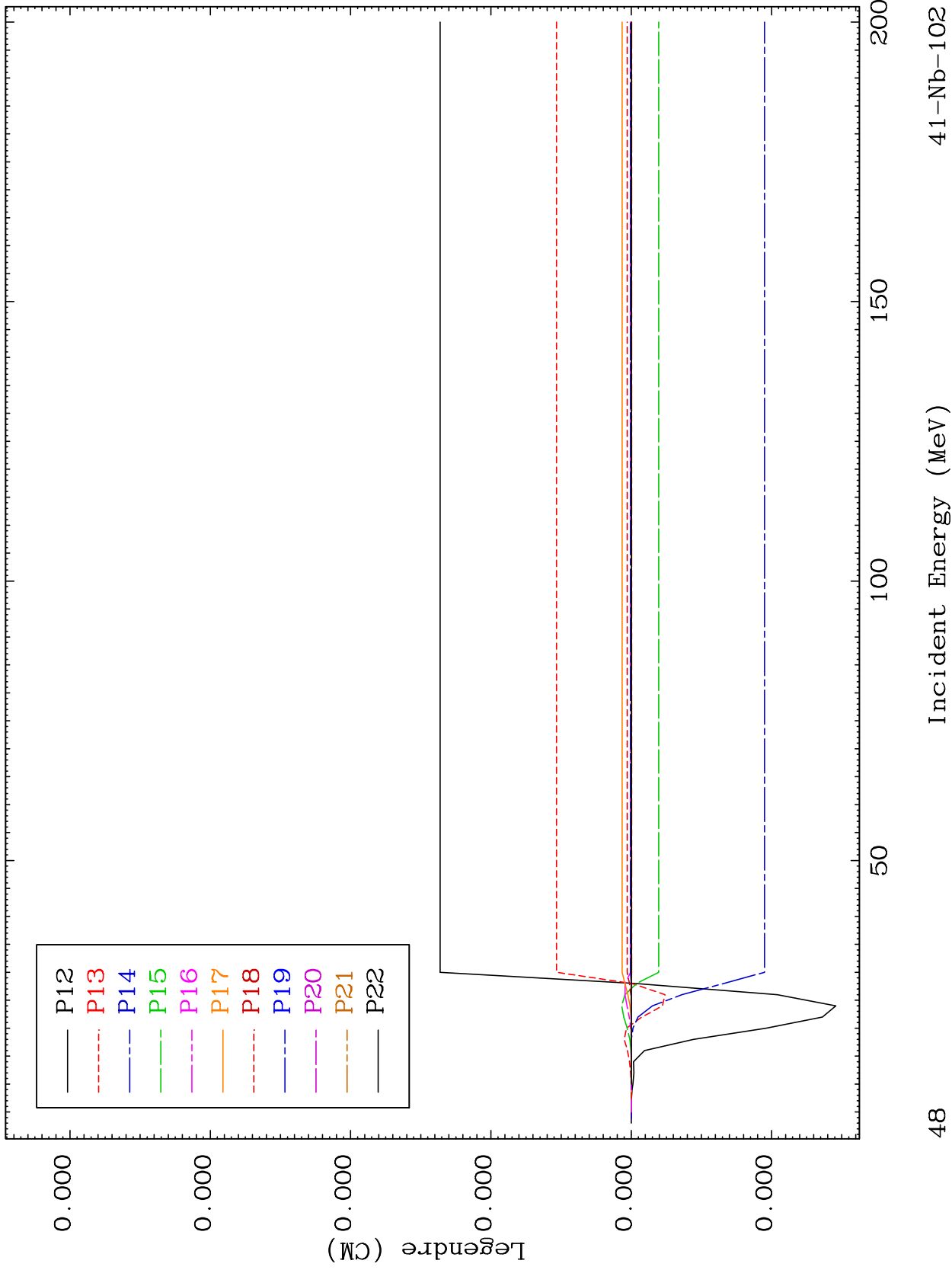
41-Nb-102

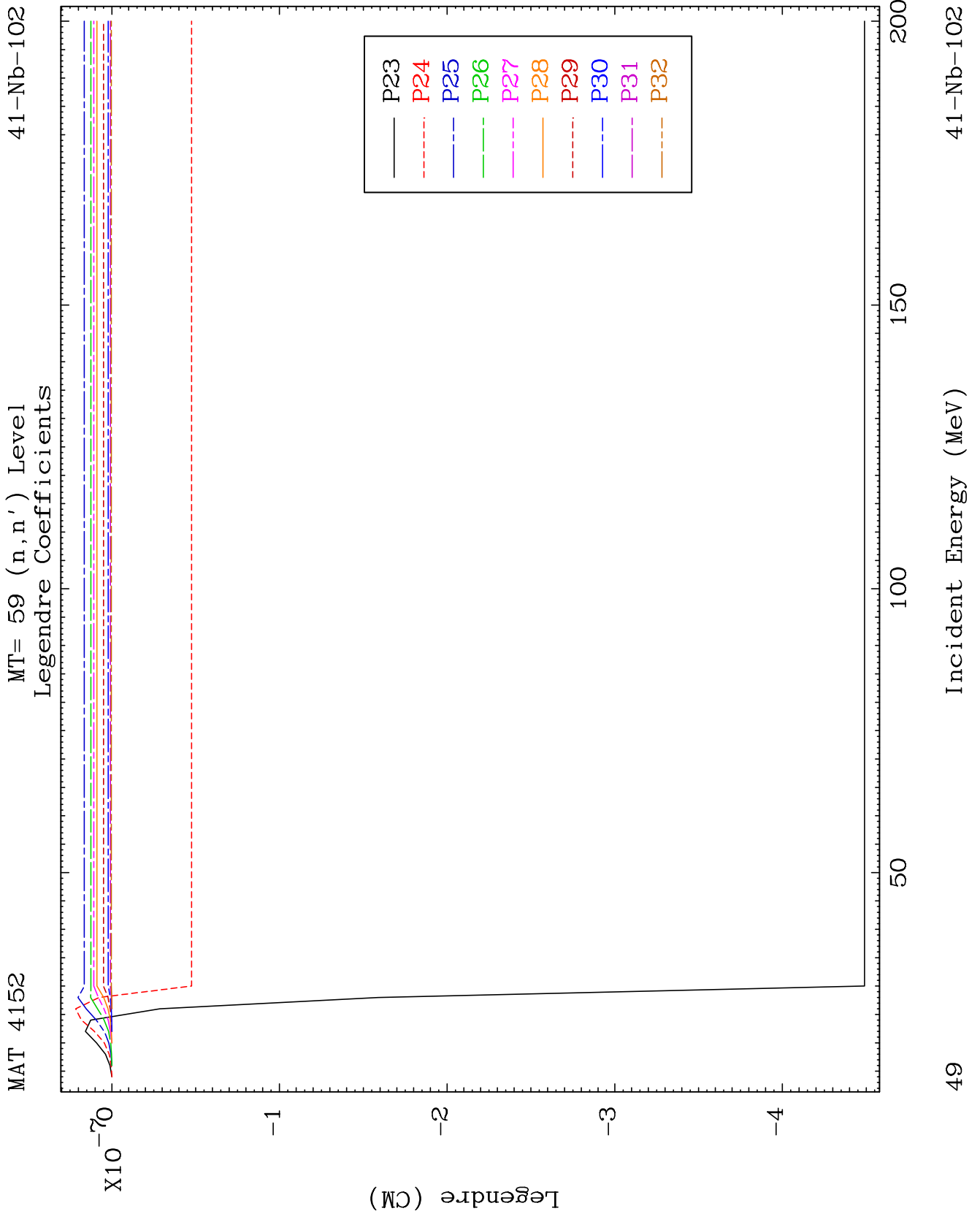


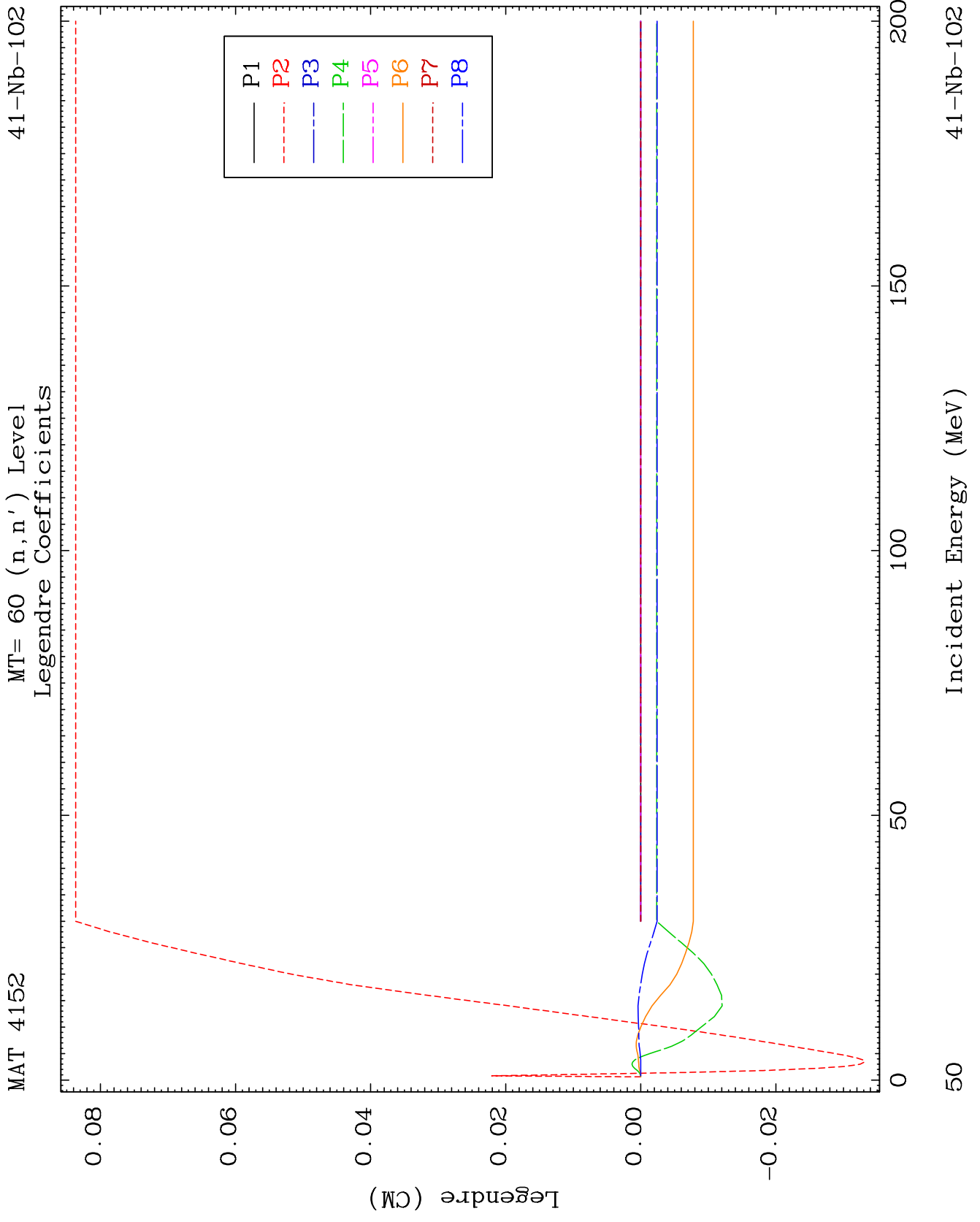
41-Nb-102

Incident Energy (MeV)

47



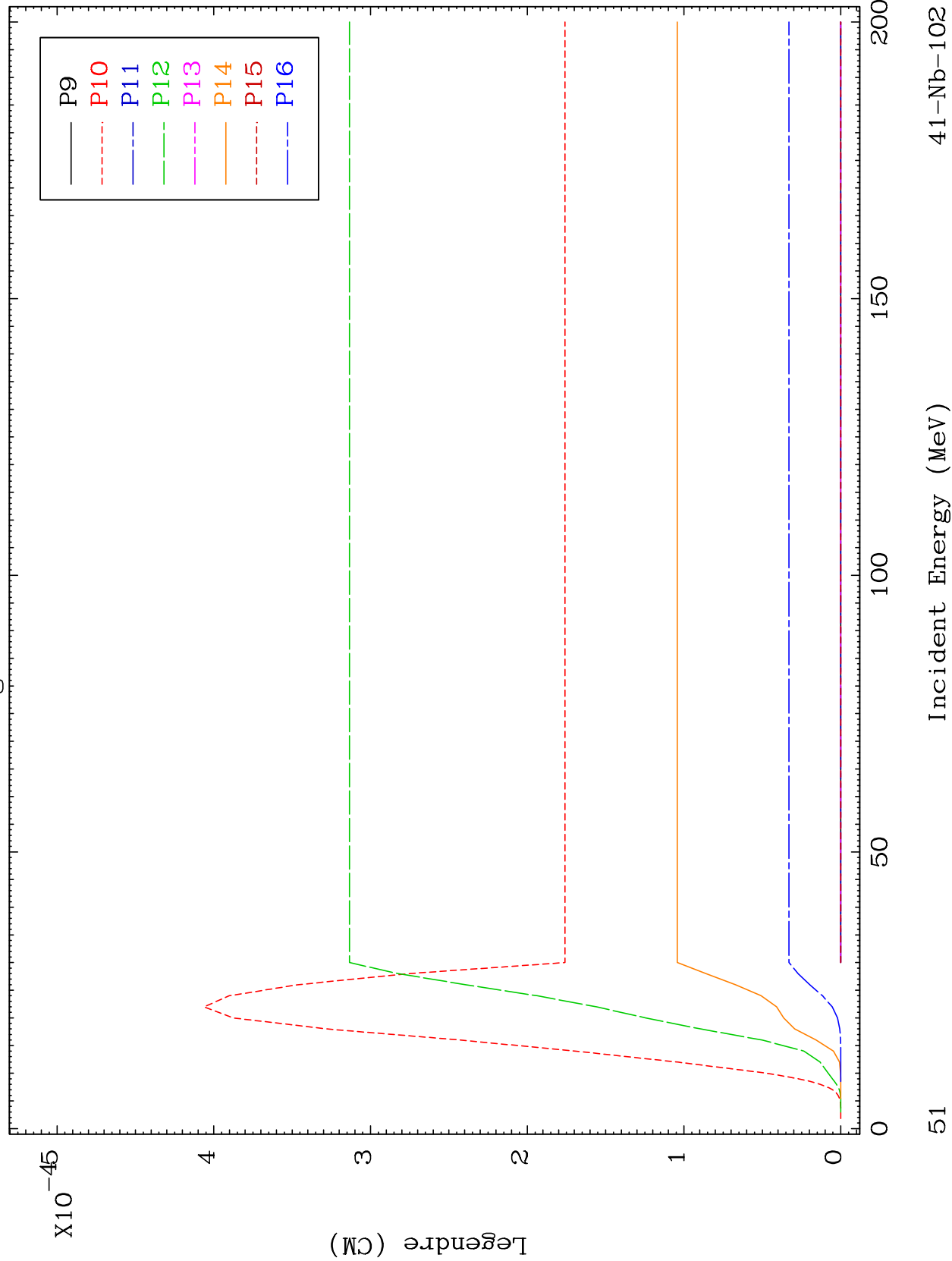




MAT 4152

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

41-Nb-102

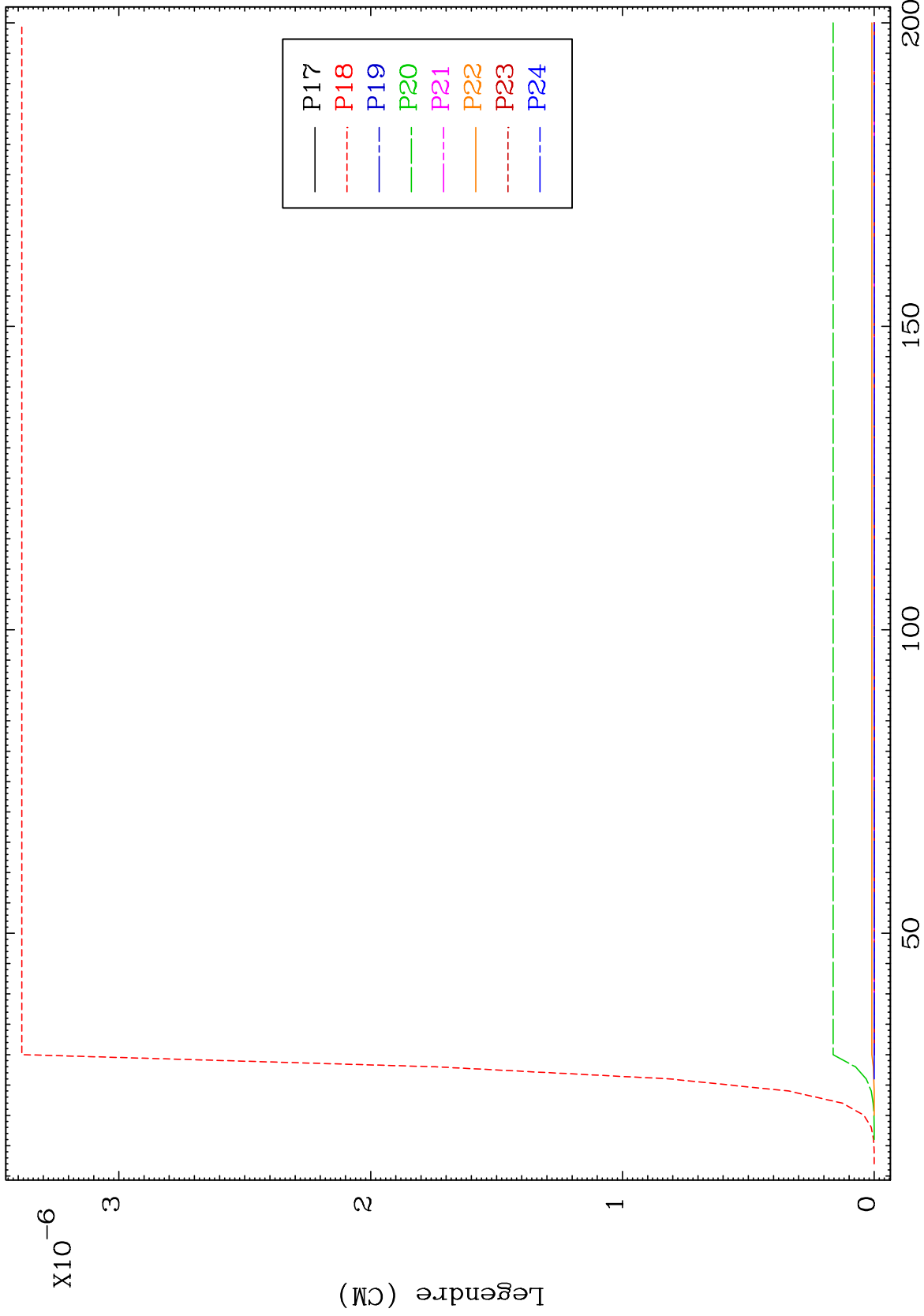


51

MAT 4152

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

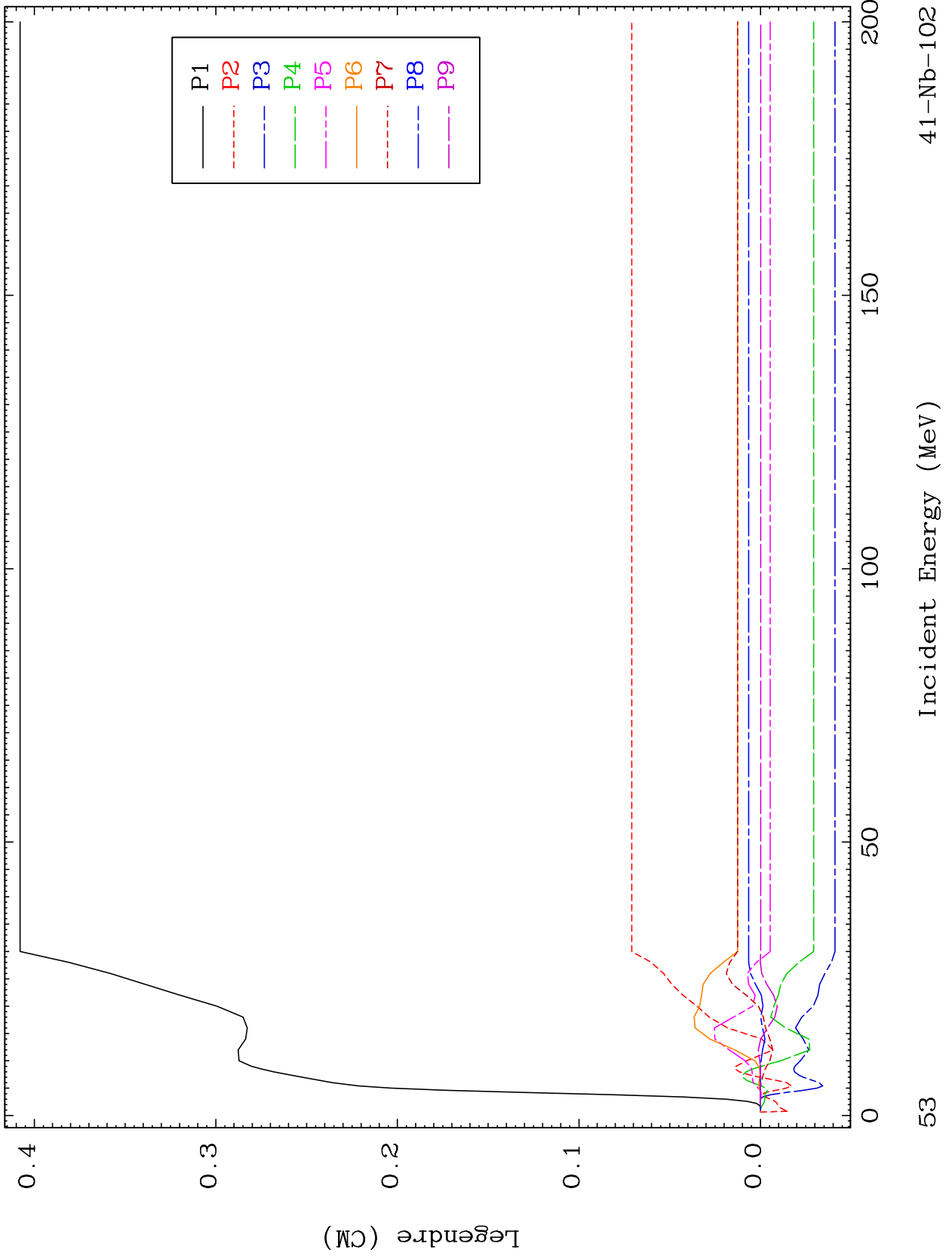
41-Nb-102



52

Incident Energy (MeV)

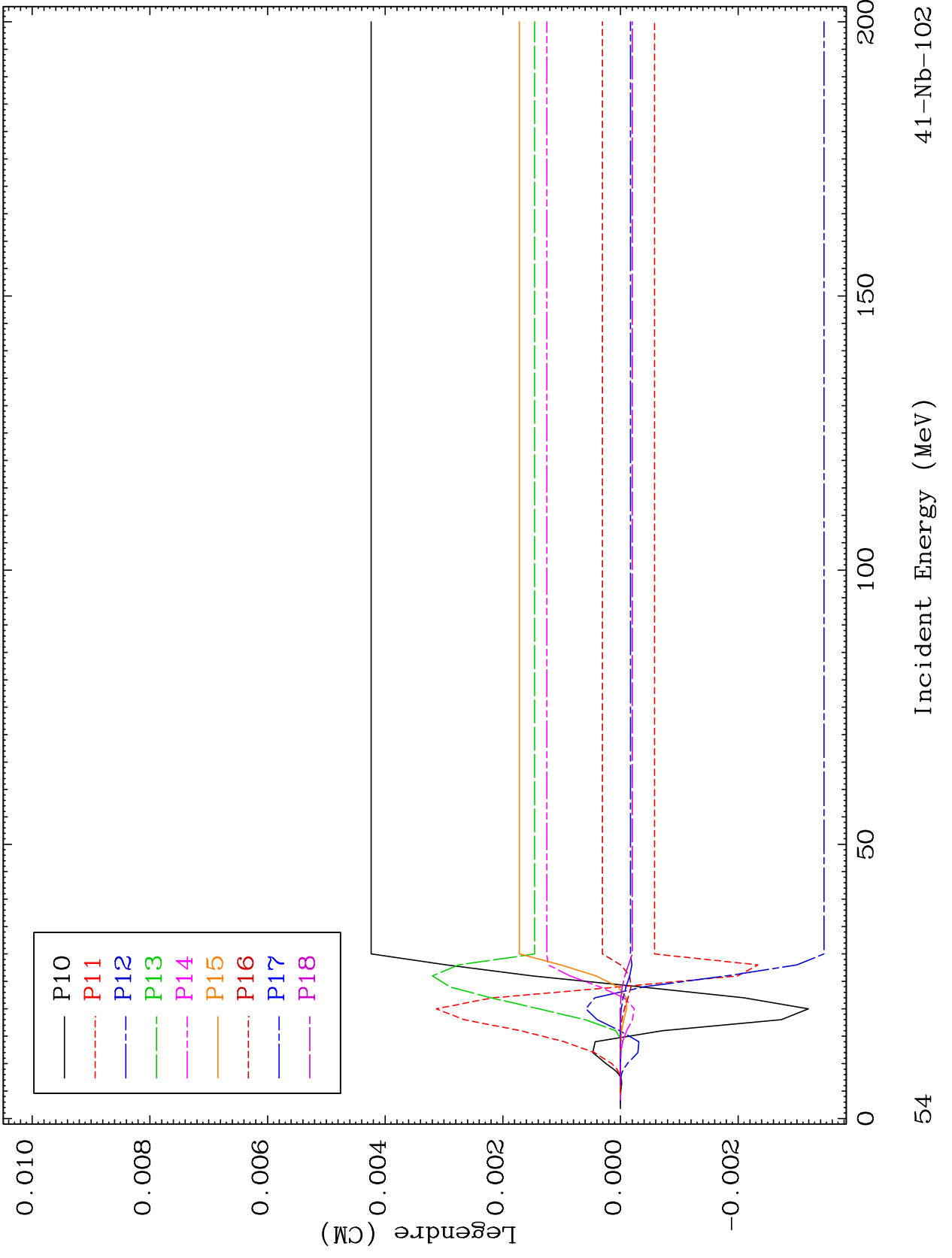
41-Nb-102



MAT 4152

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

41-Nb-102



54

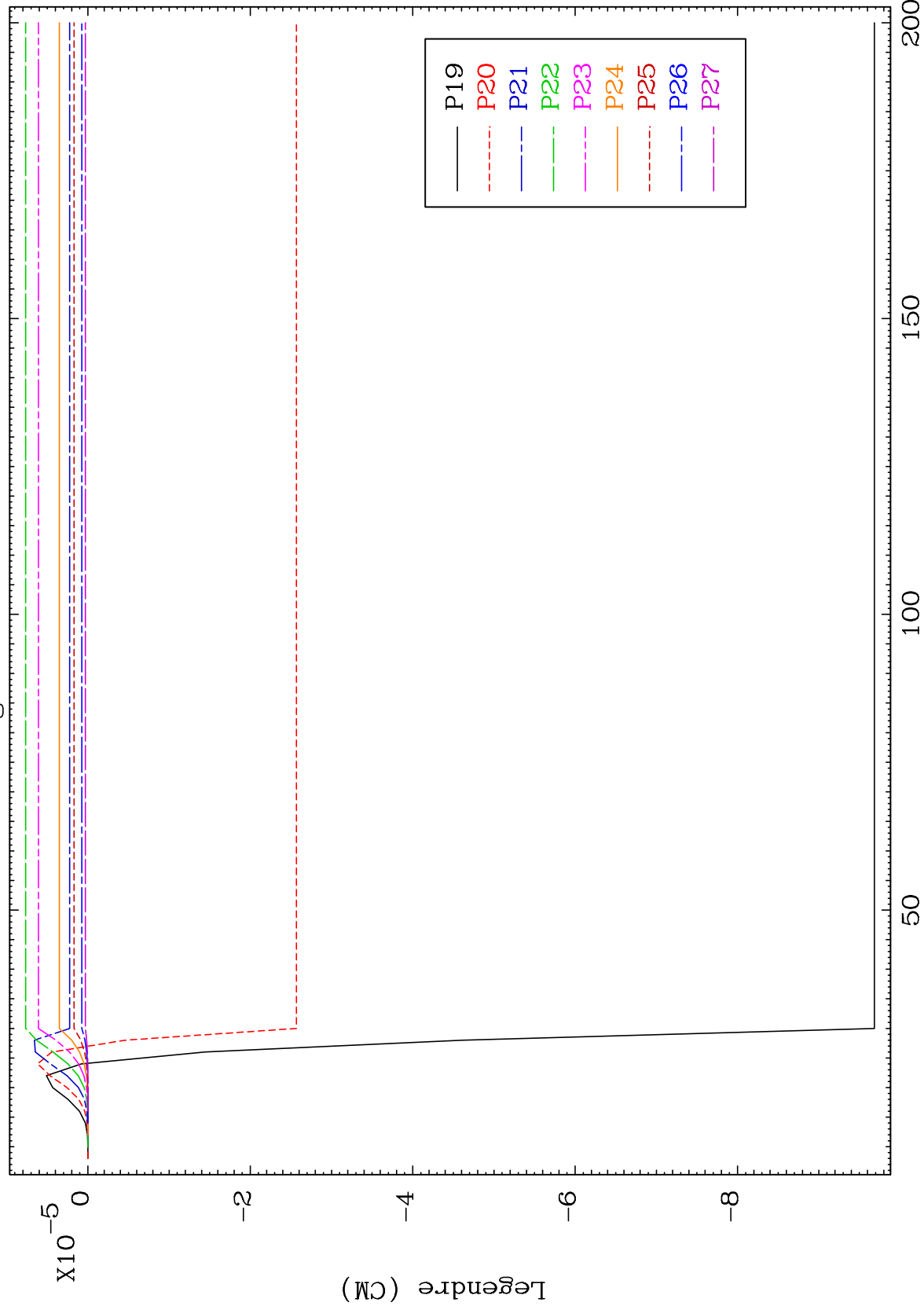
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



55

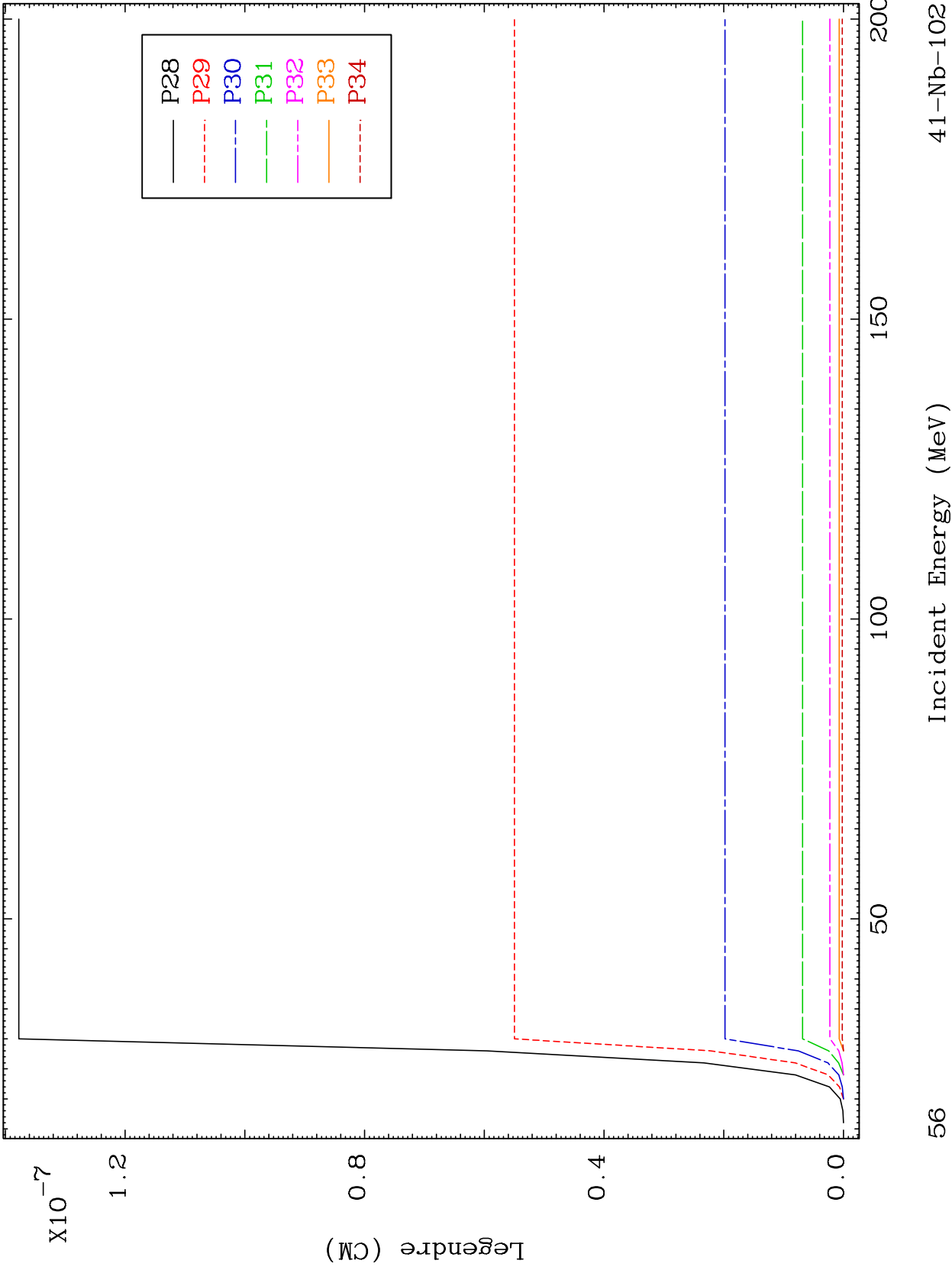
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



56

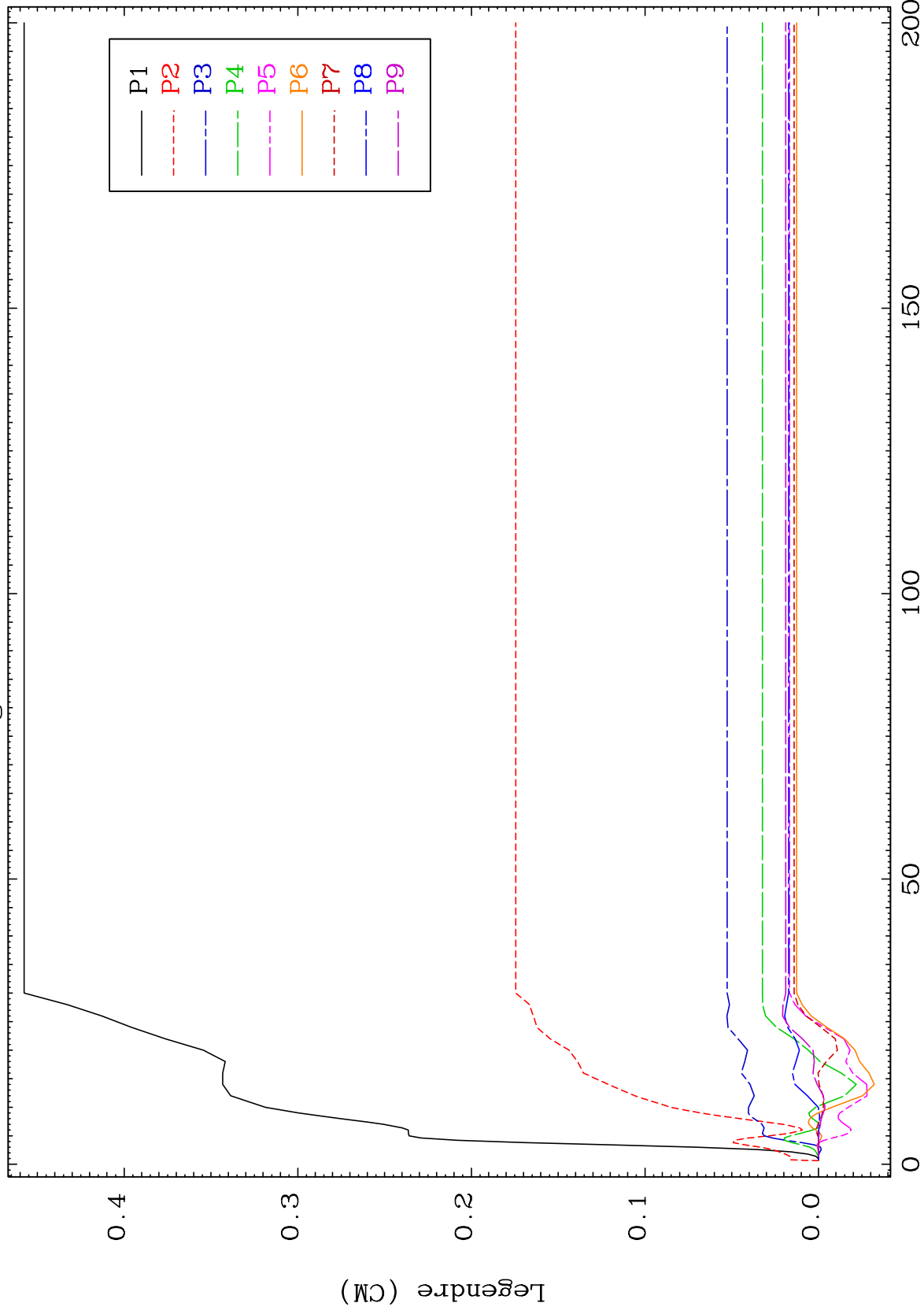
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



57

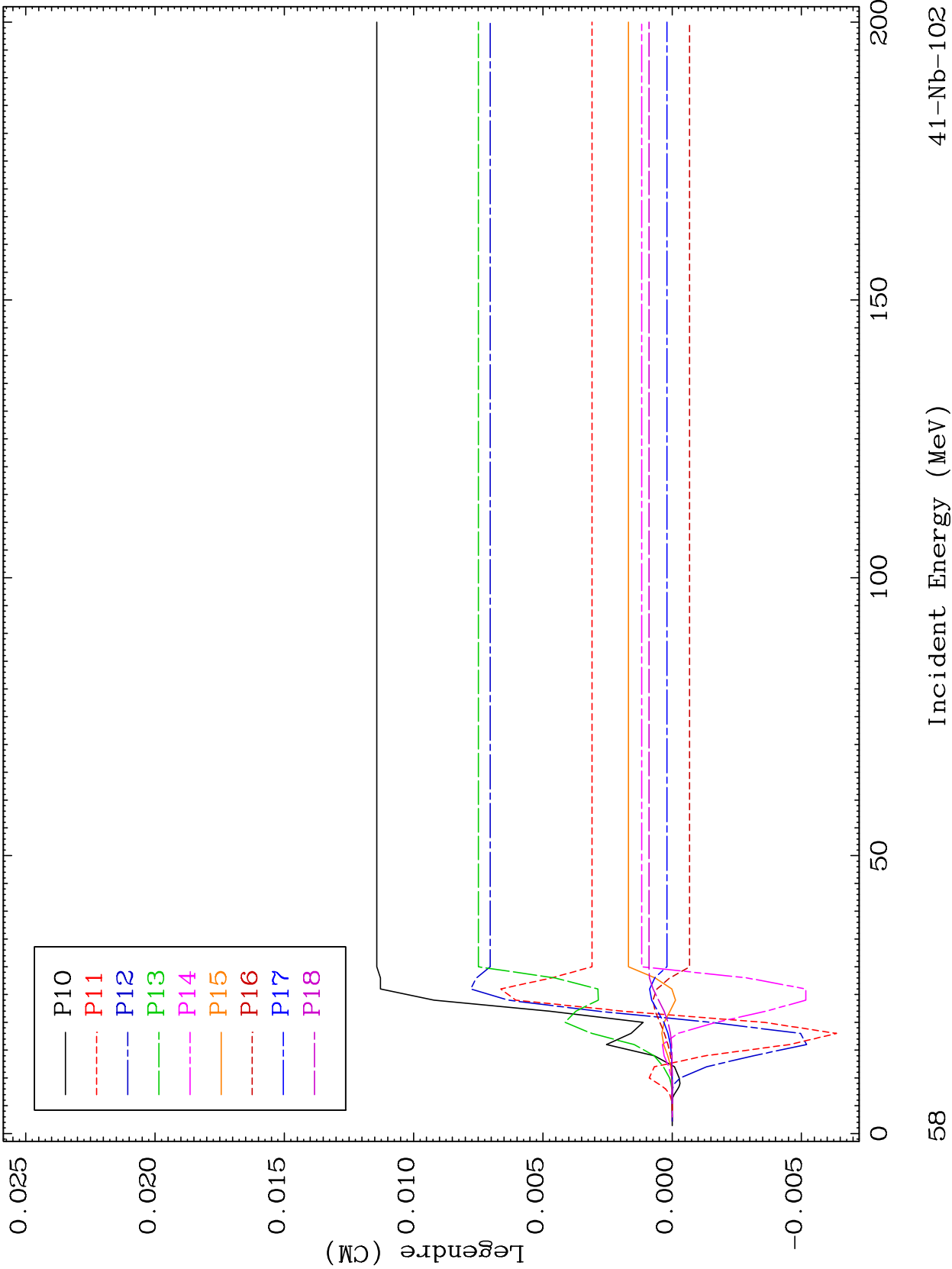
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

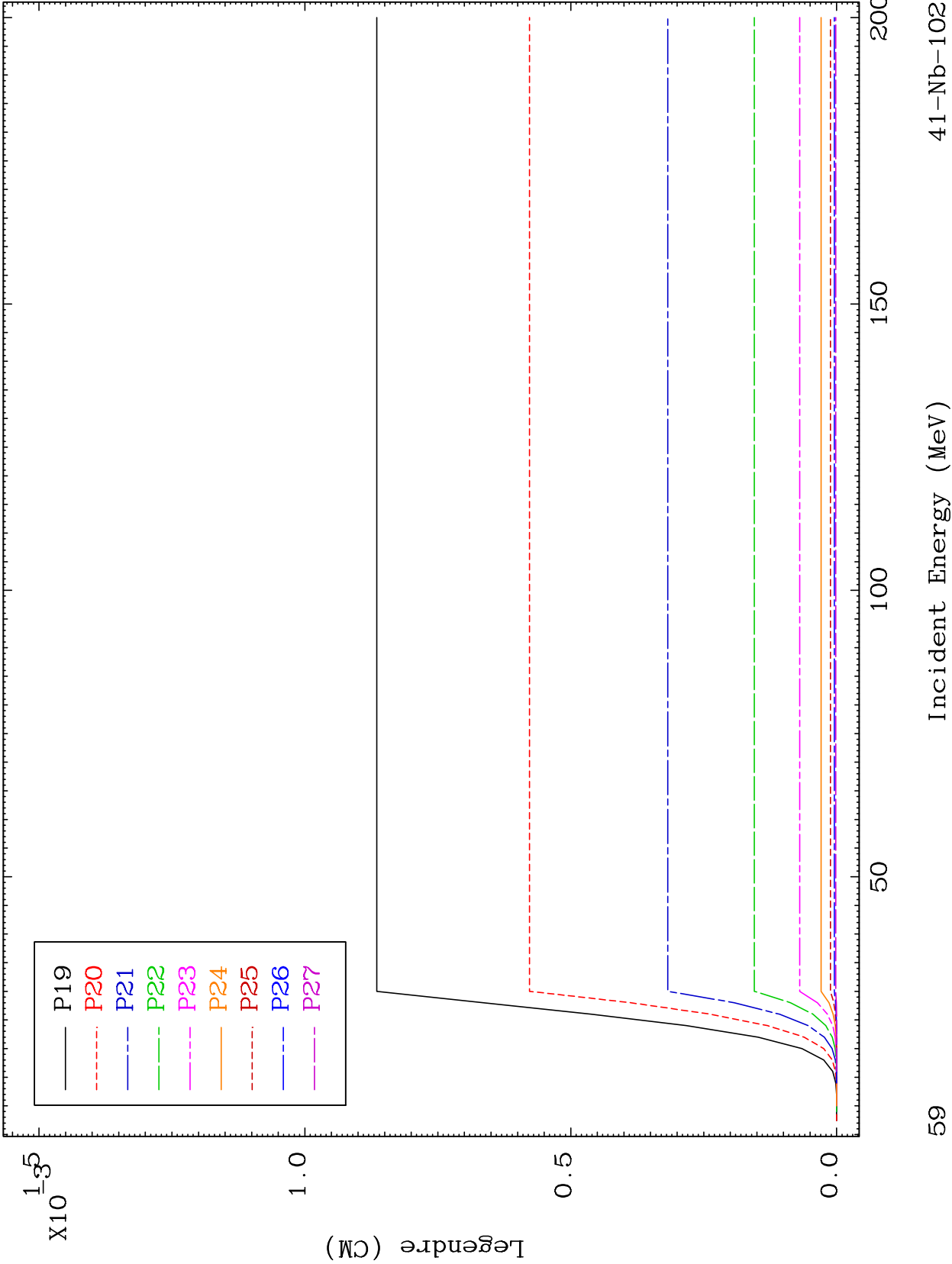
41-Nb-102



58

Incident Energy (MeV)

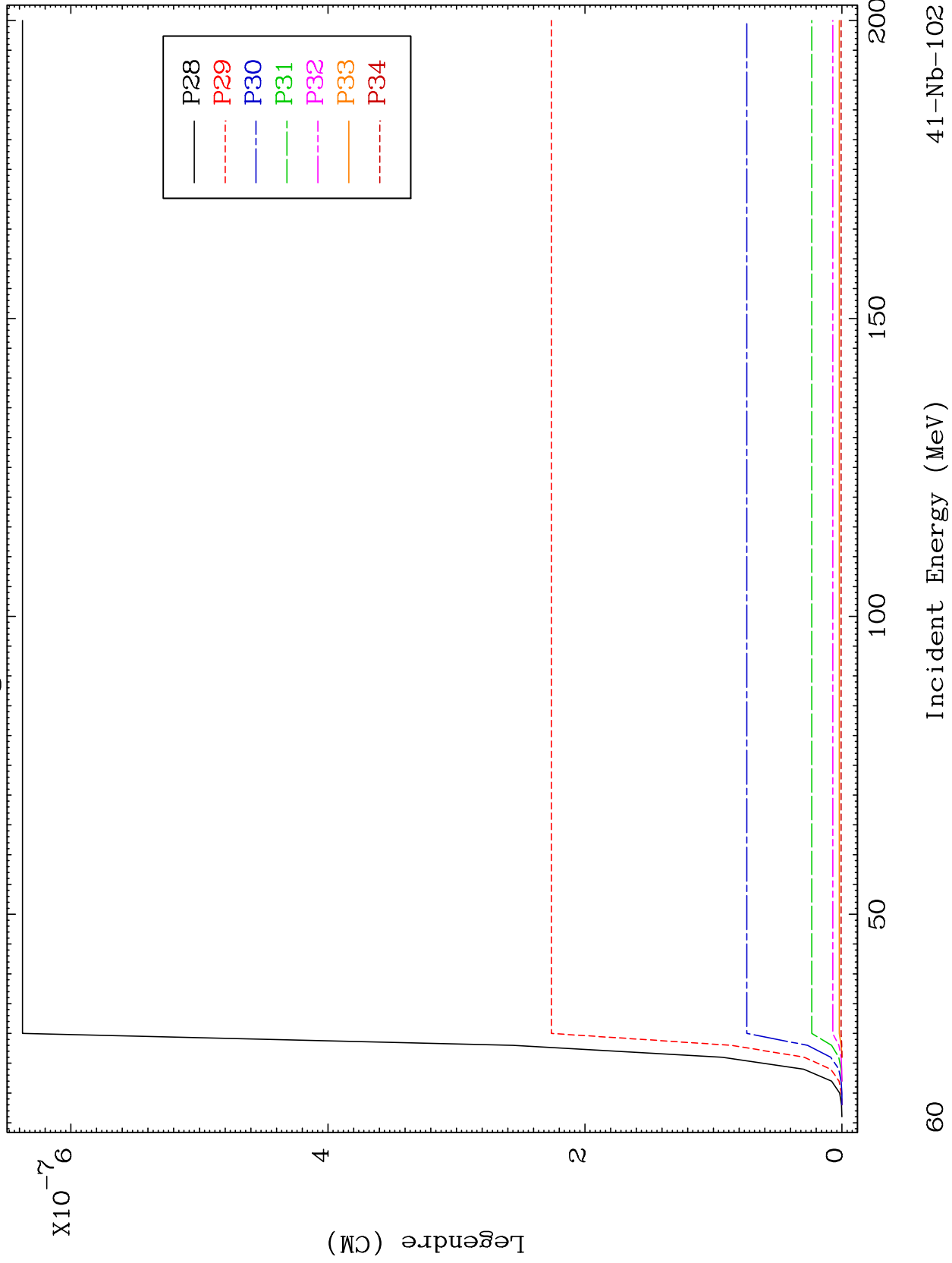
41-Nb-102

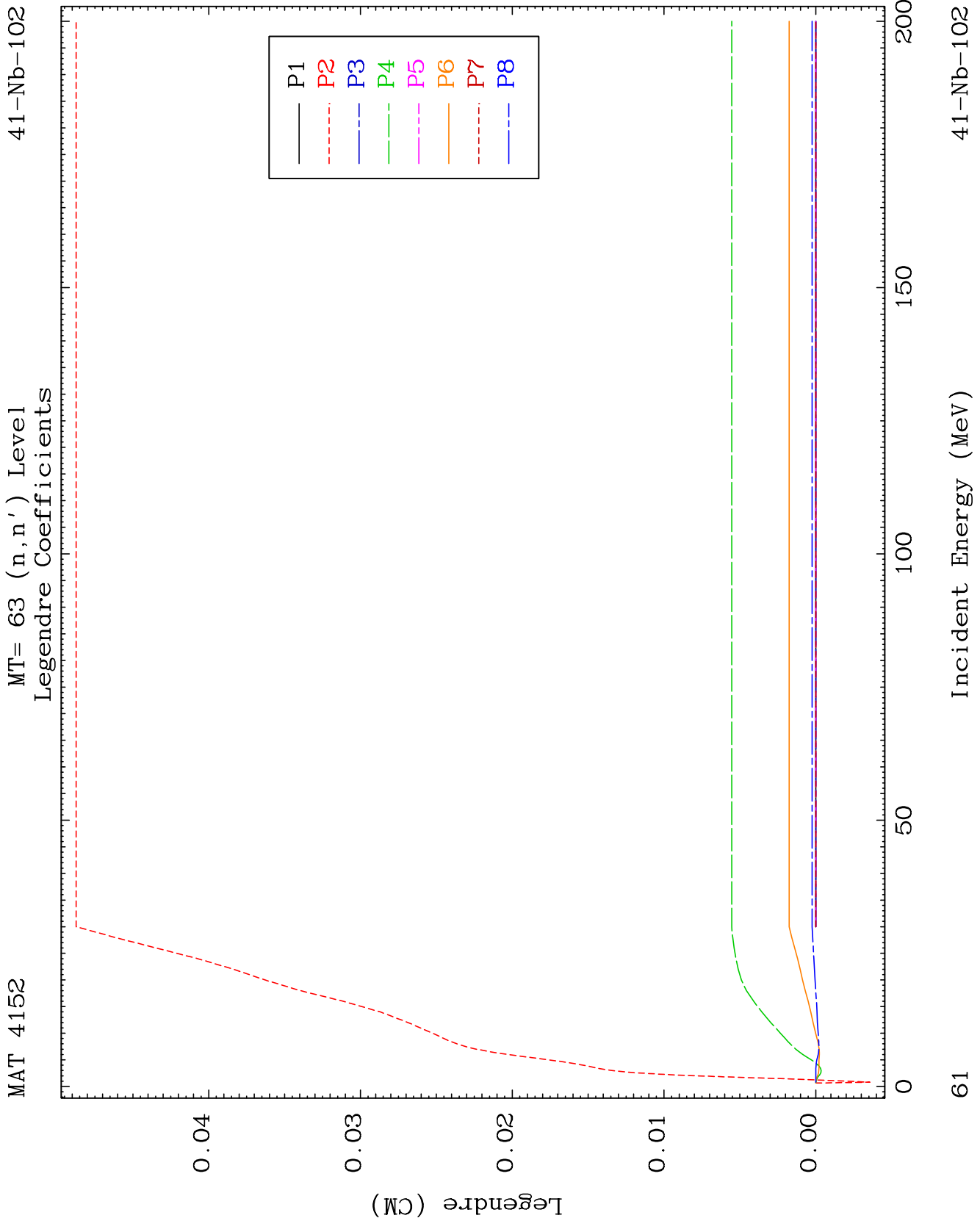


MAT 4152

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

41-Nb-102

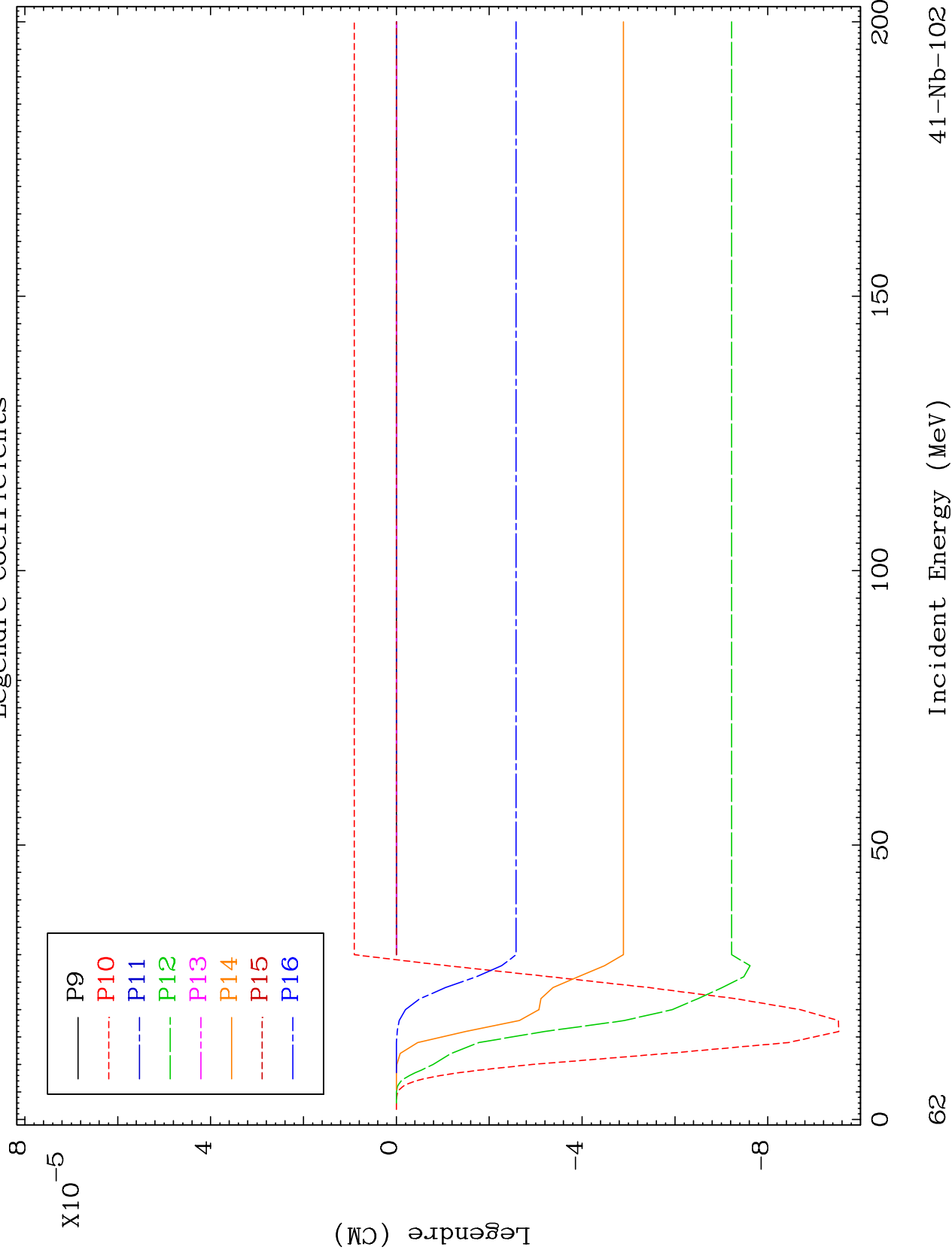




MAT 4152

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

41-Nb-102



41-Nb-102

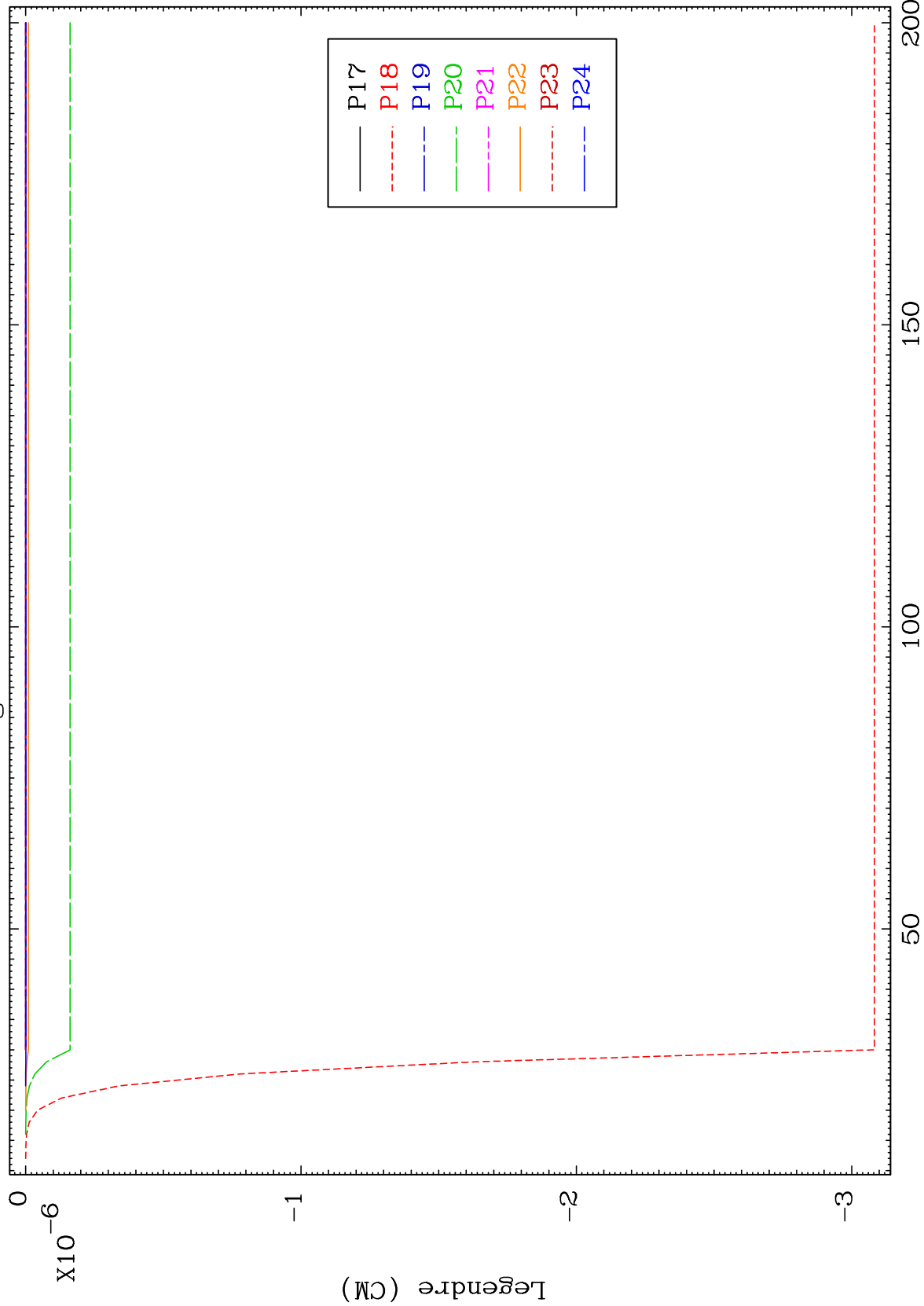
Incident Energy (MeV)

62

MAT 4152

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

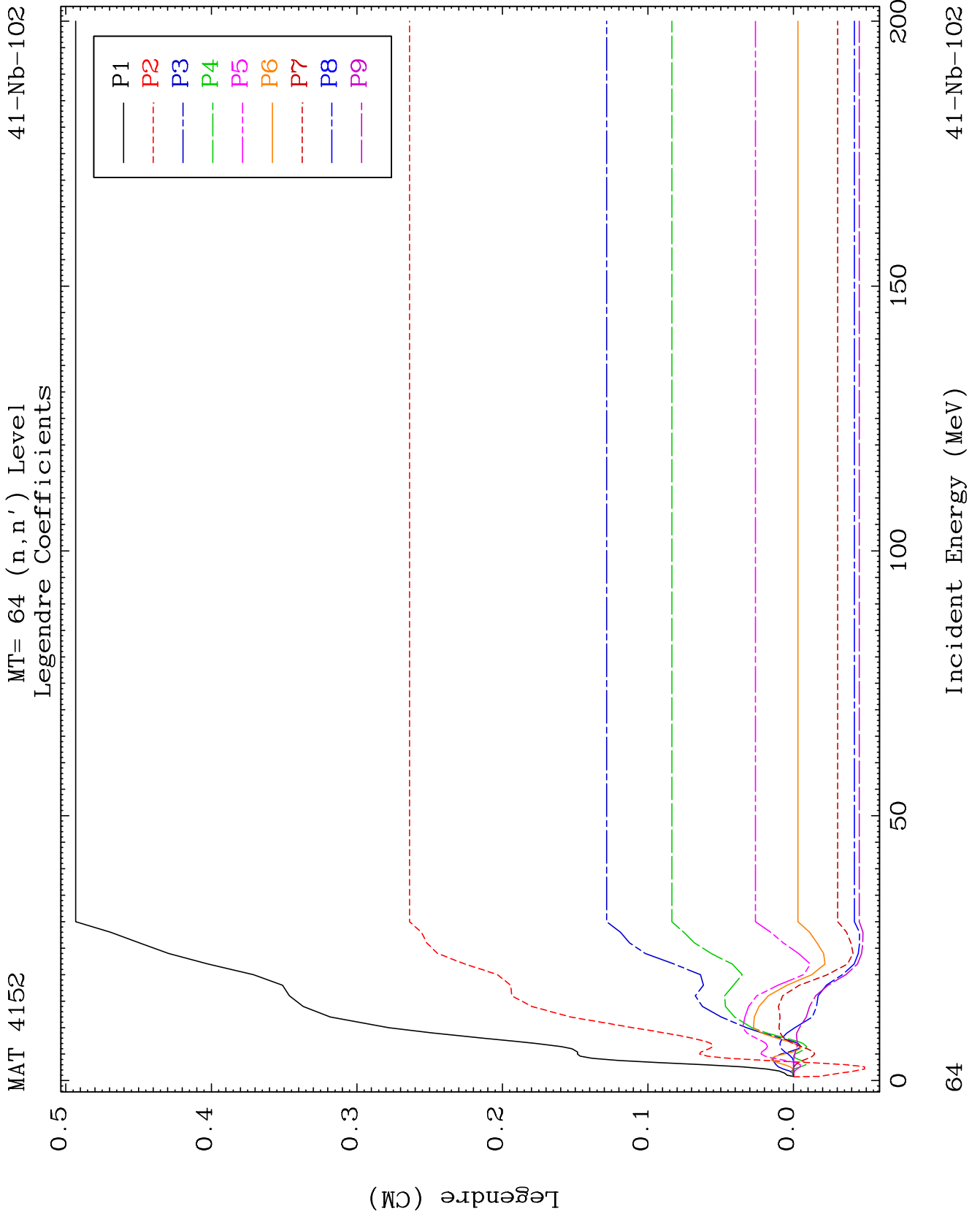
41-Nb-102



63

Incident Energy (MeV)

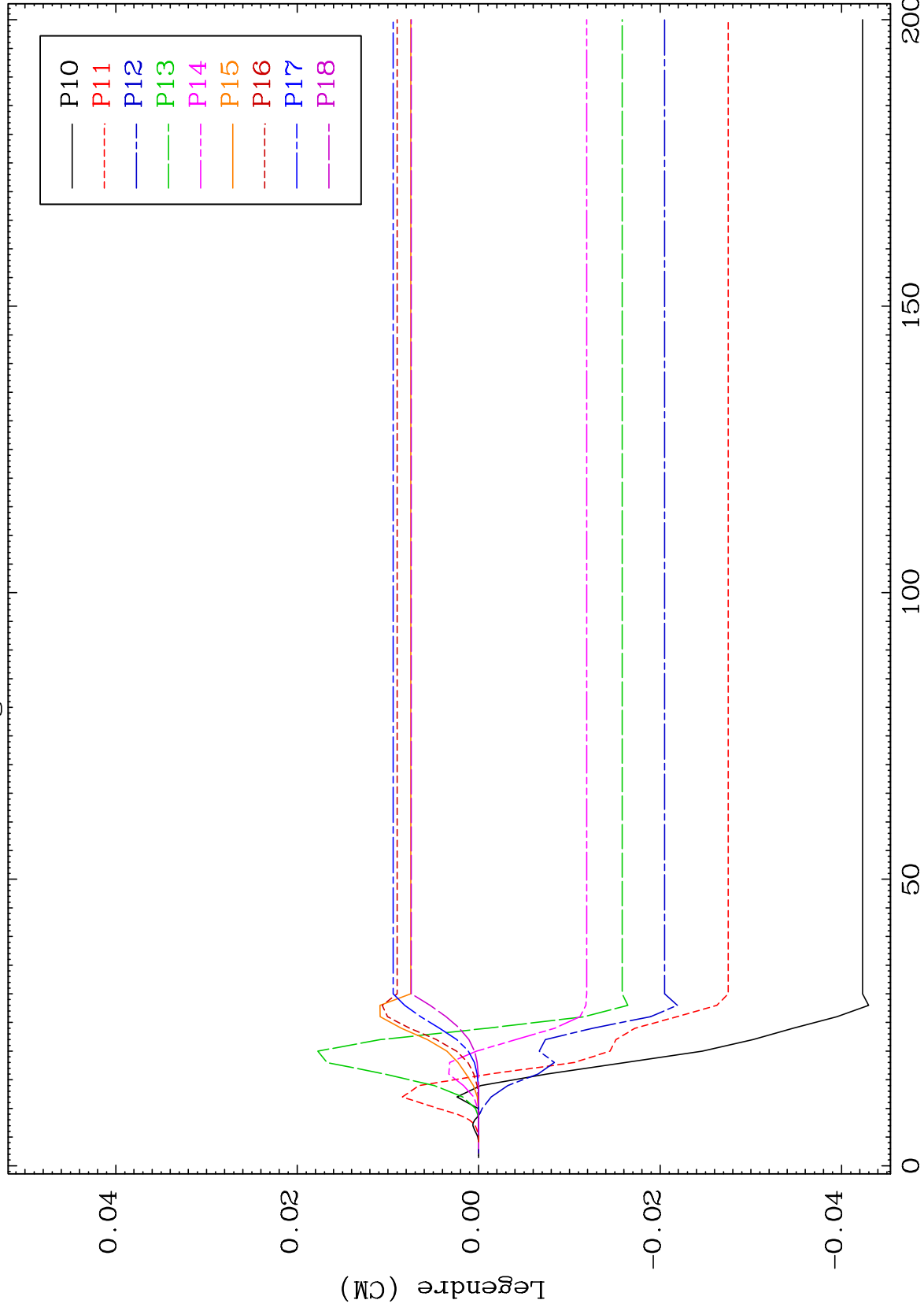
41-Nb-102



MAT 4152

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

41-Nb-102



65

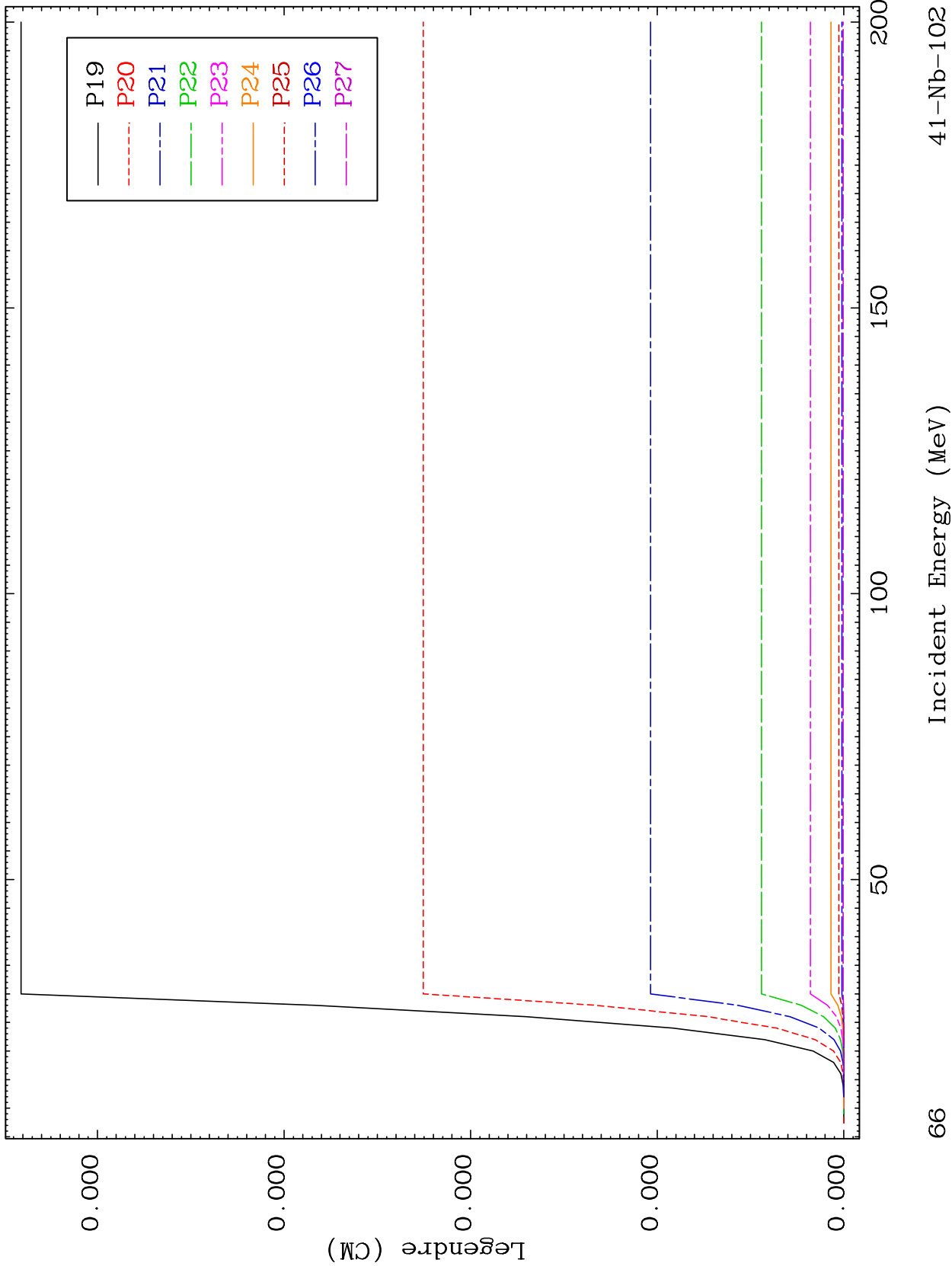
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

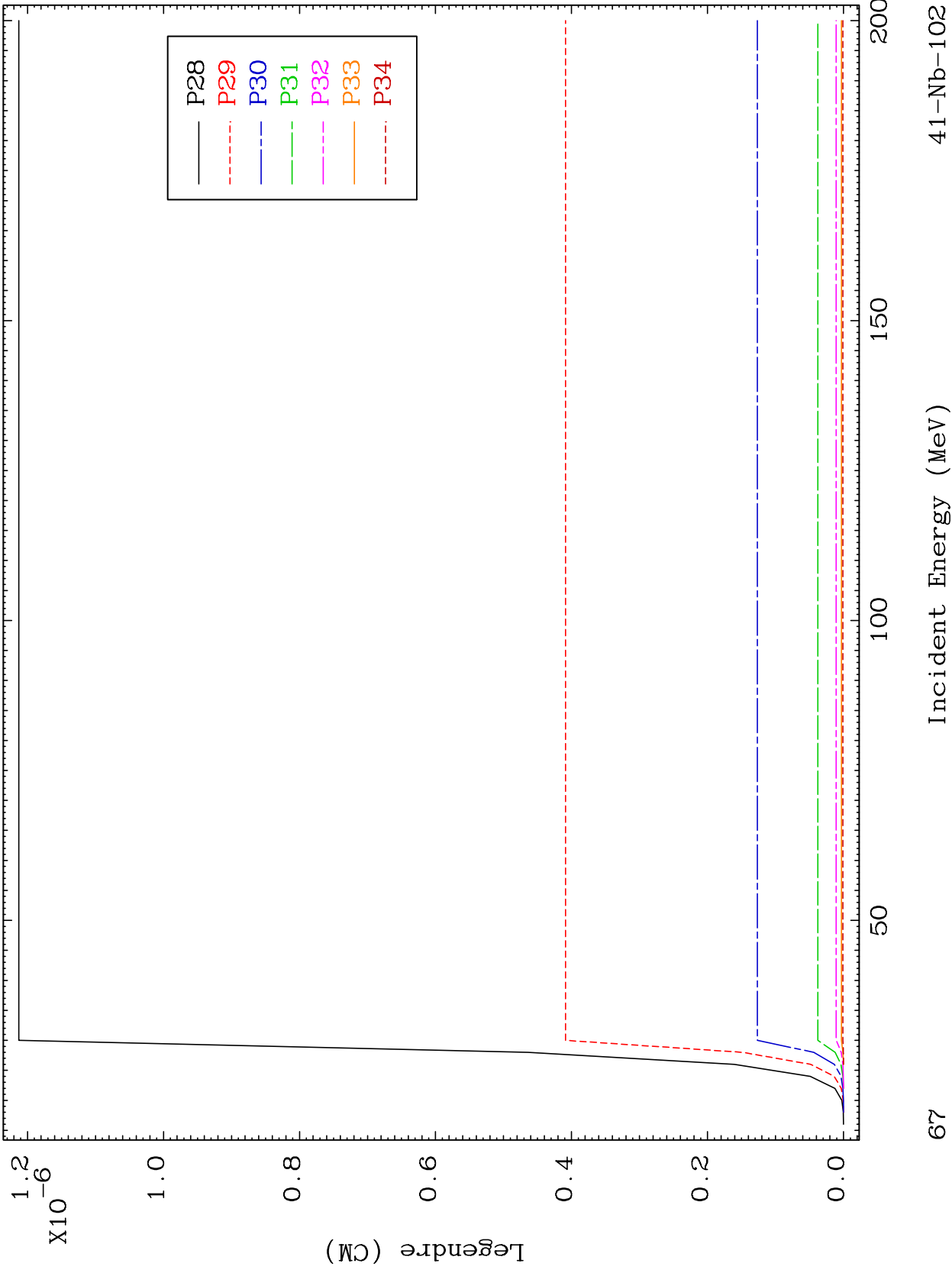
41-Nb-102



MAT 4152

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

41-Nb-102

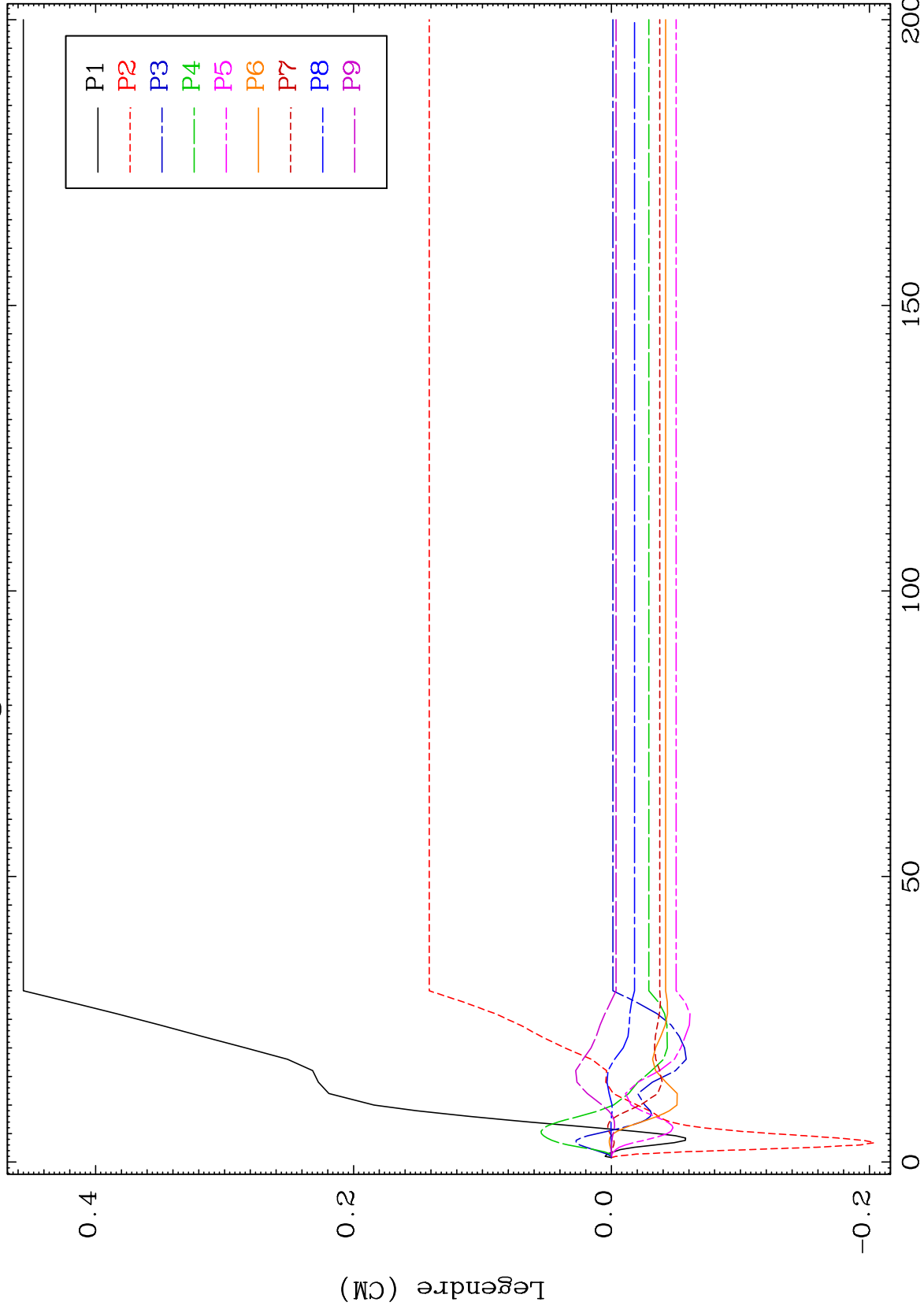


67

MAT 4152

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

41-Nb-102



68

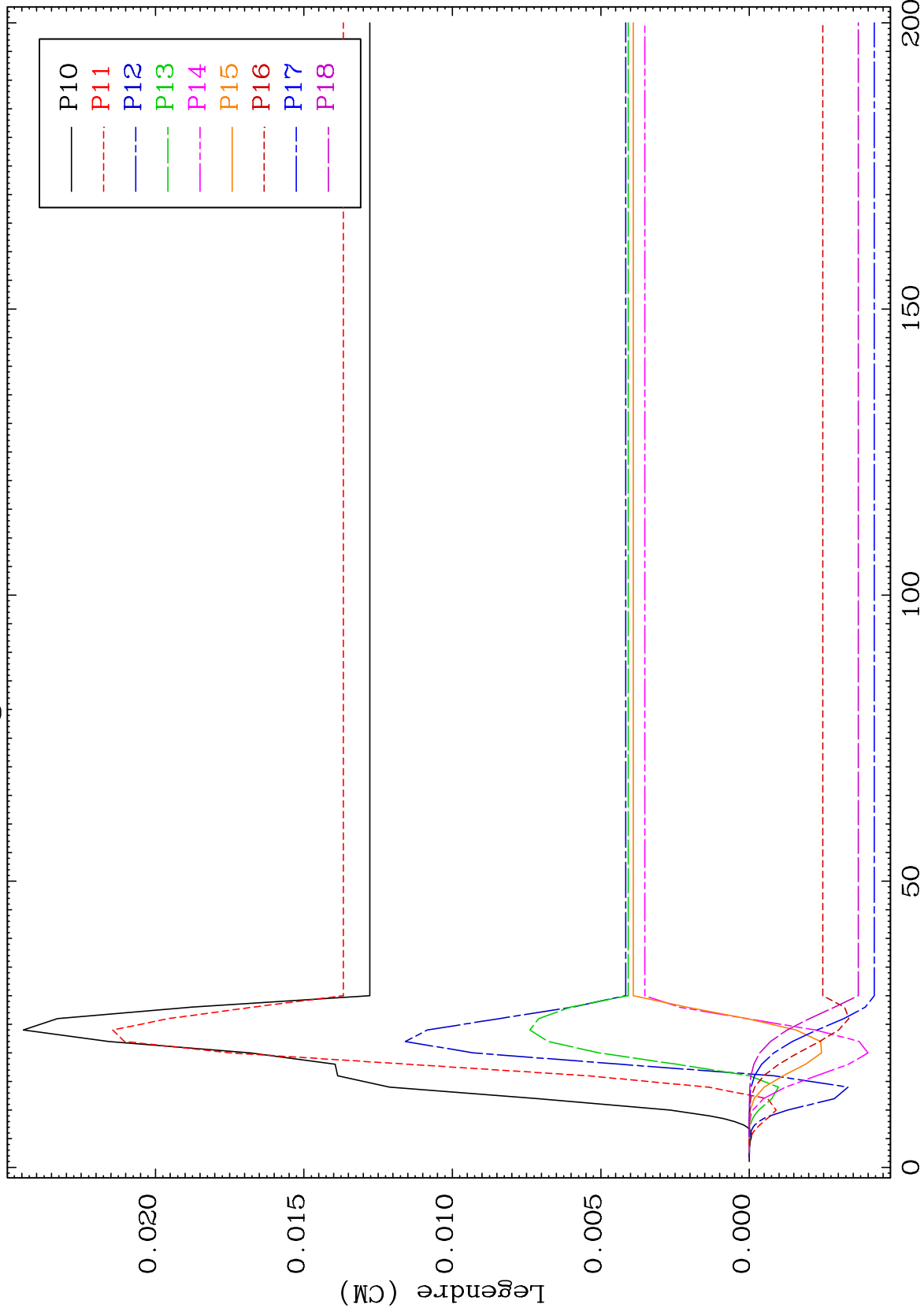
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

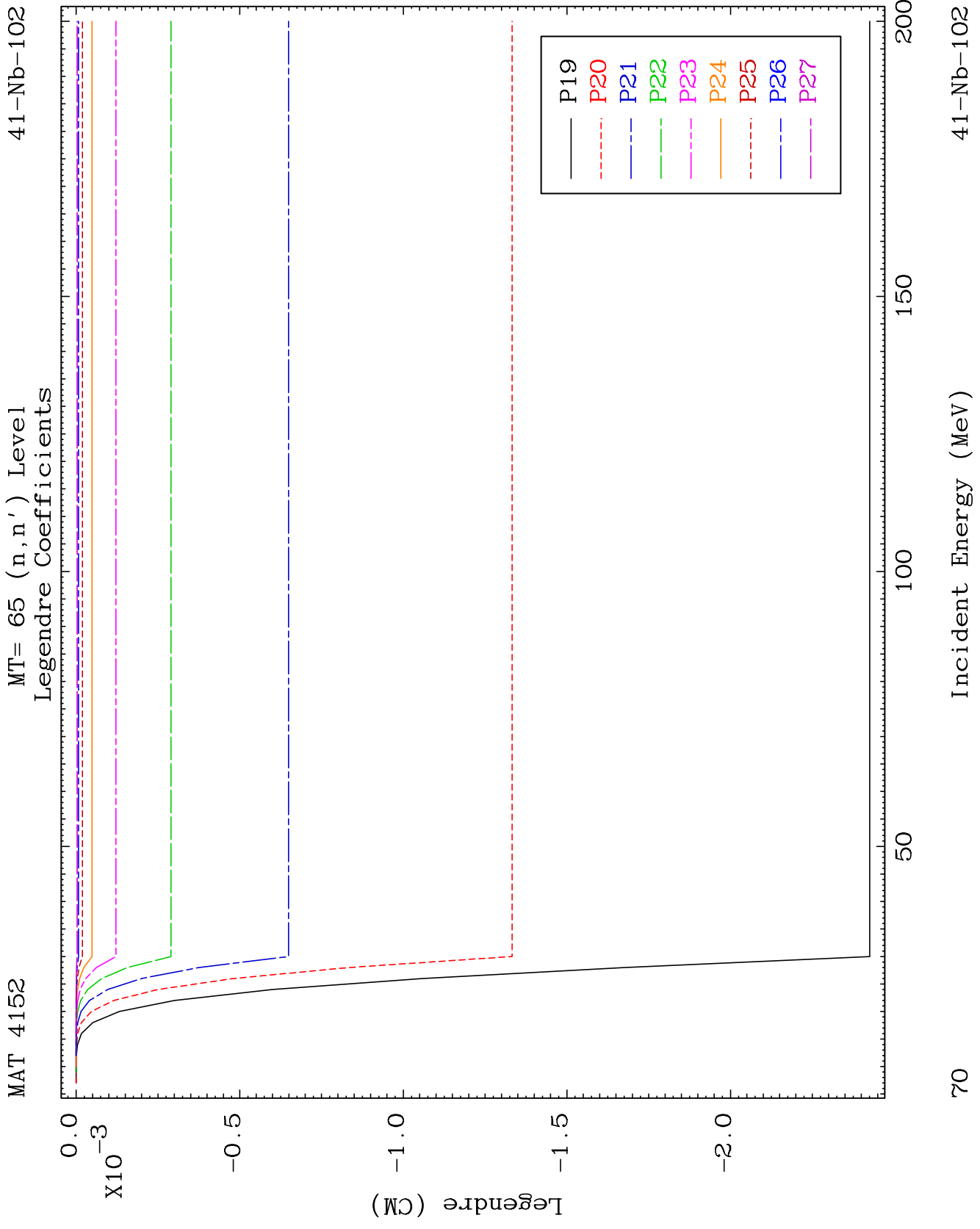
41-Nb-102



69

Incident Energy (MeV)

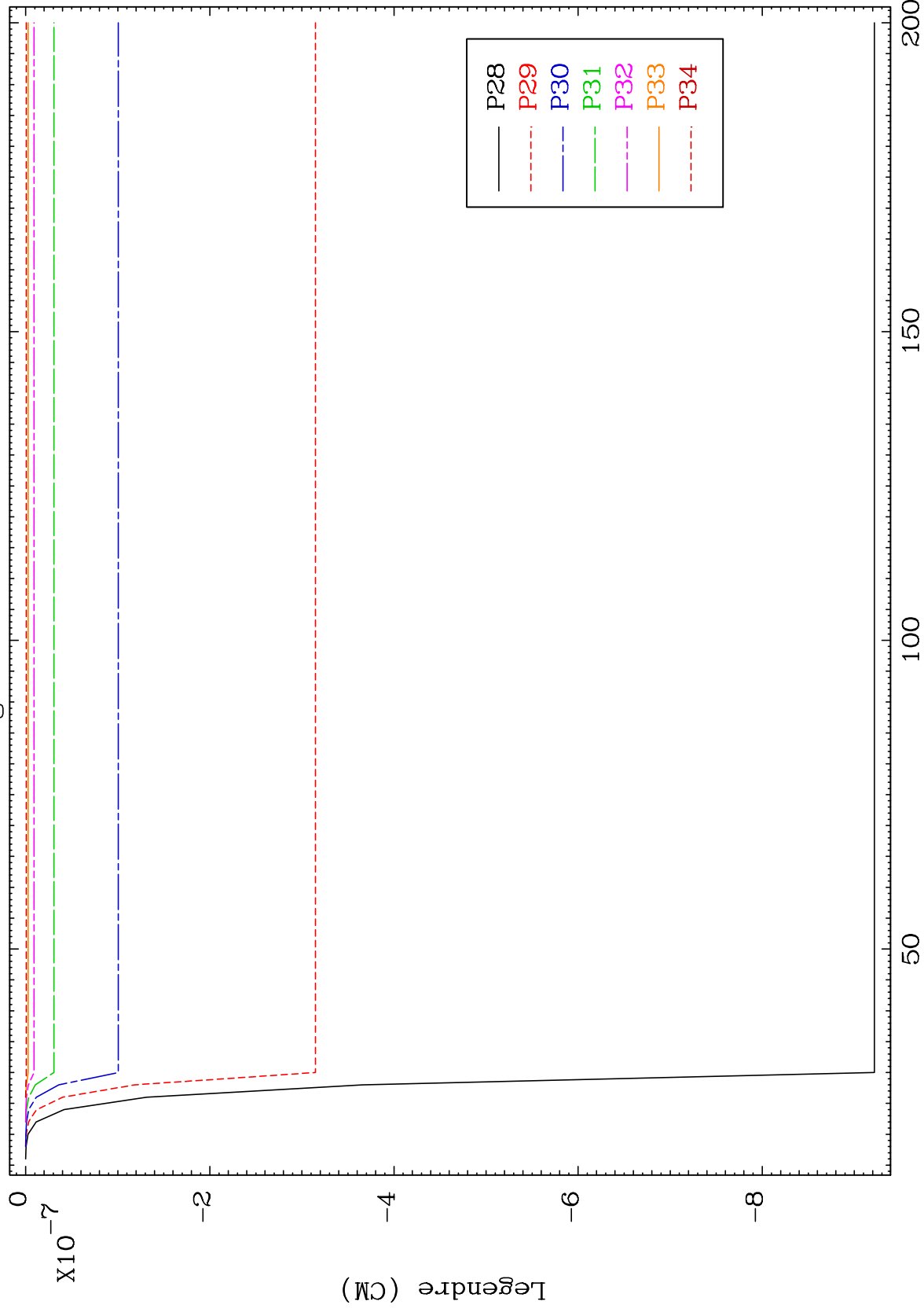
41-Nb-102



MAT 4152

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

41-Nb-102



71

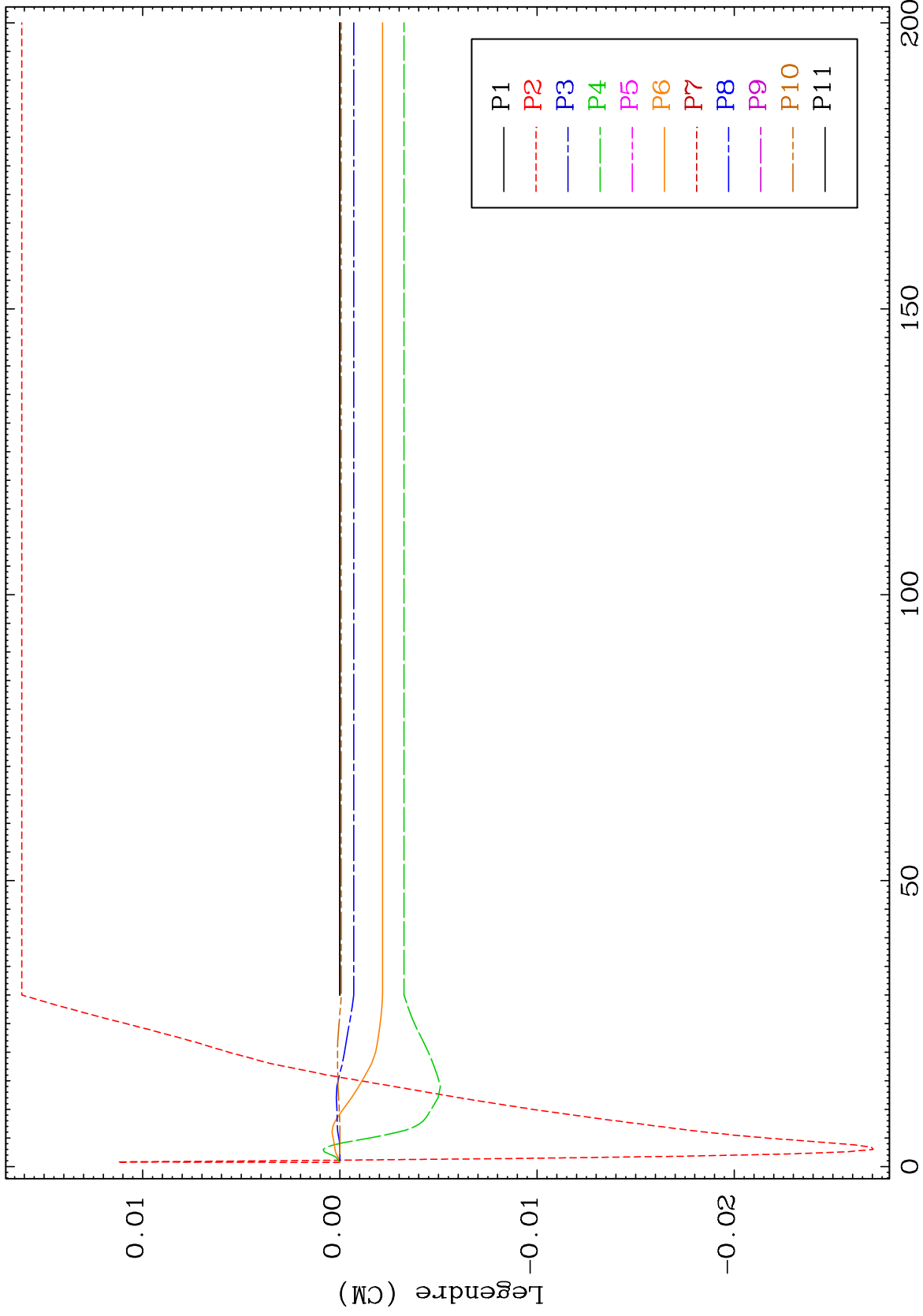
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

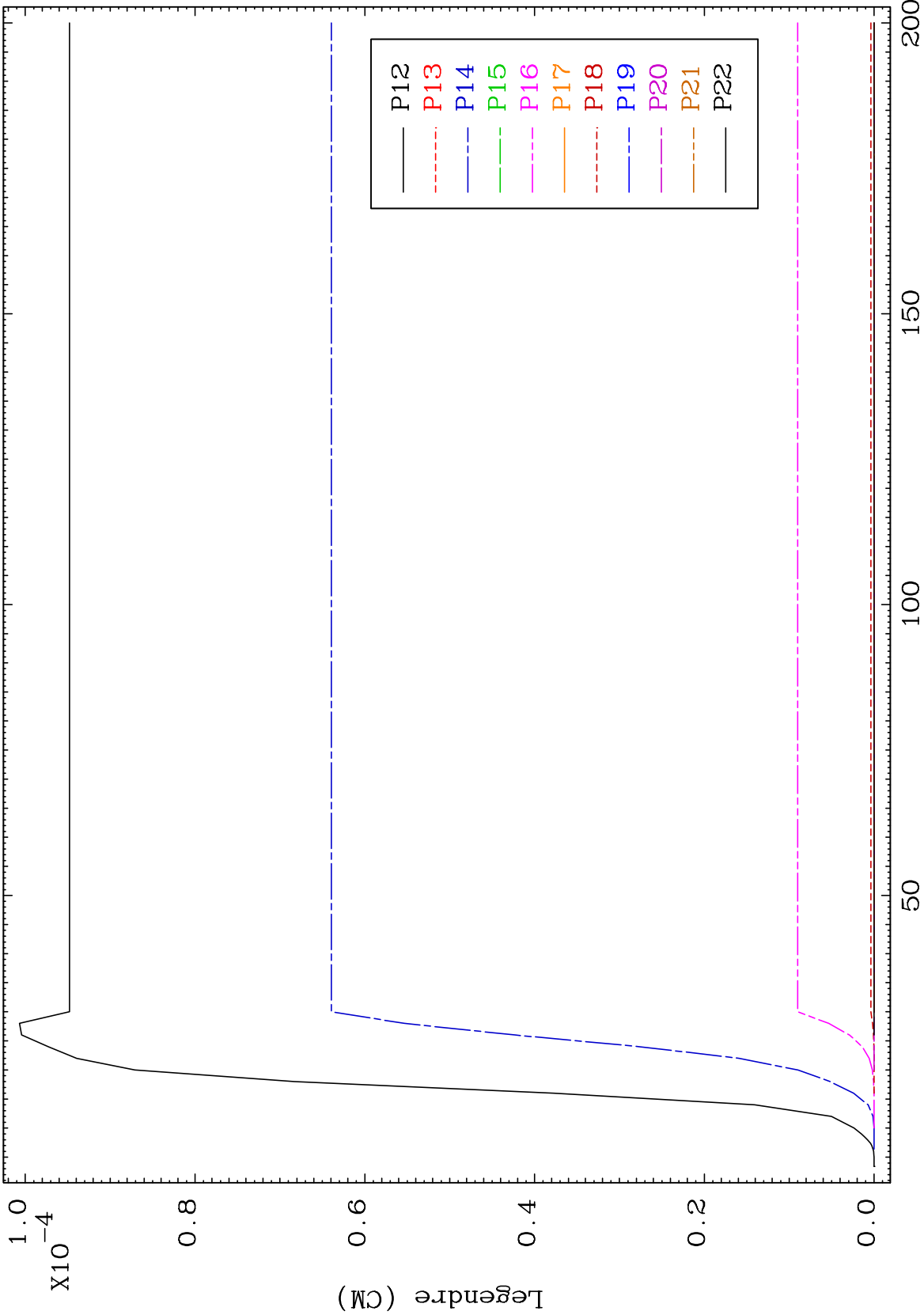
41-Nb-102



72

Incident Energy (MeV)

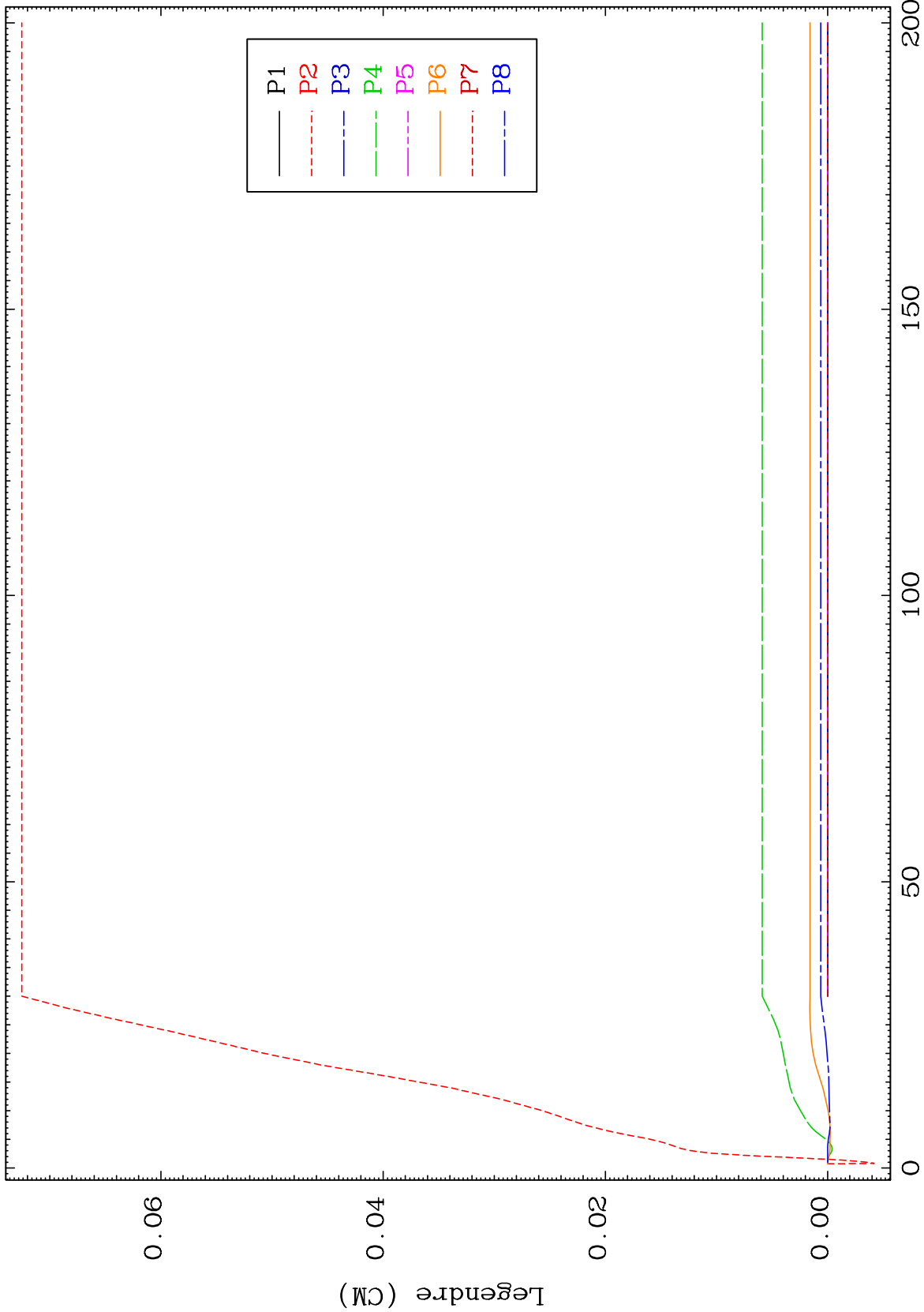
41-Nb-102



MAT 4152

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

41-Nb-102



74

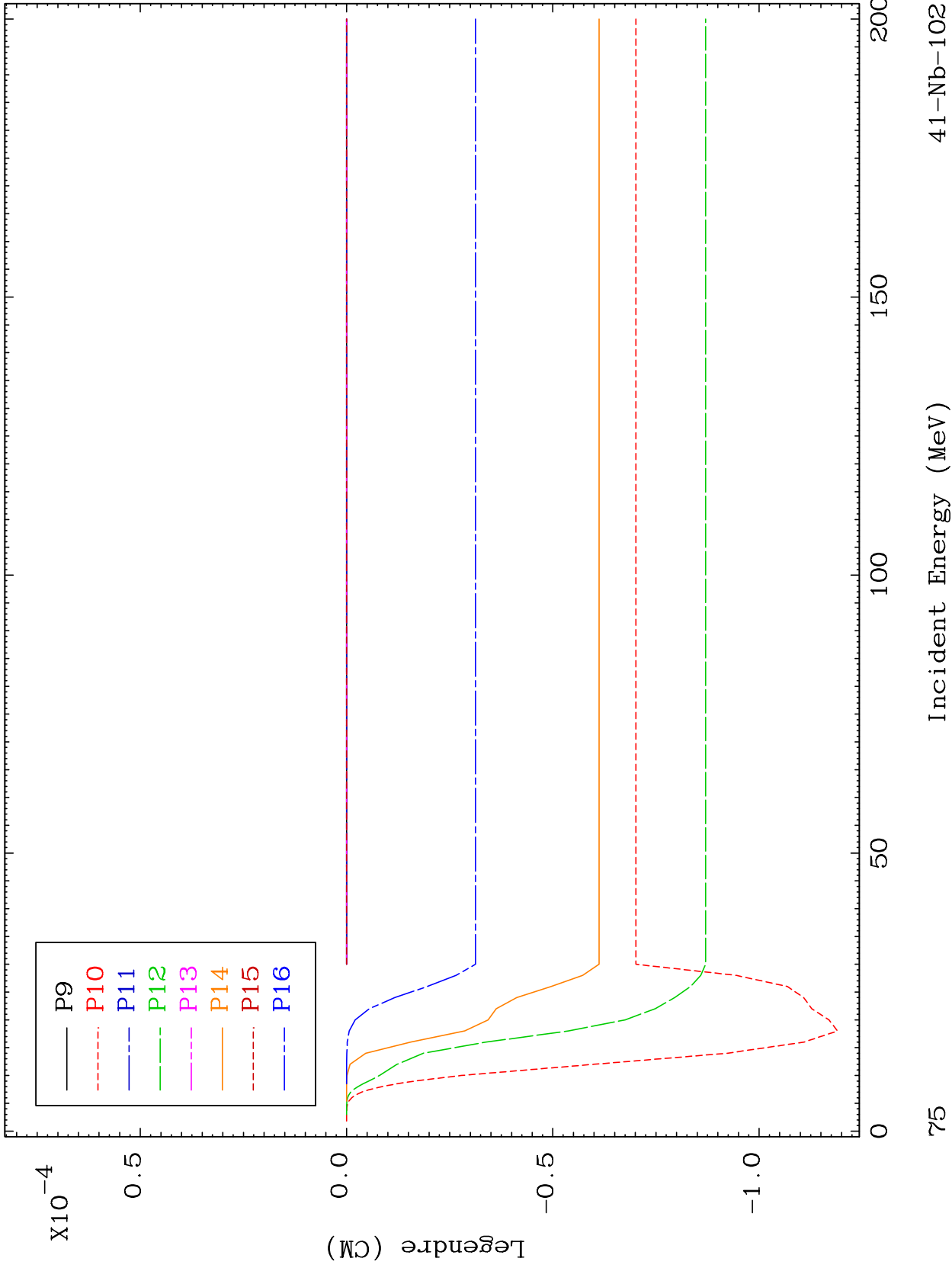
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



41-Nb-102

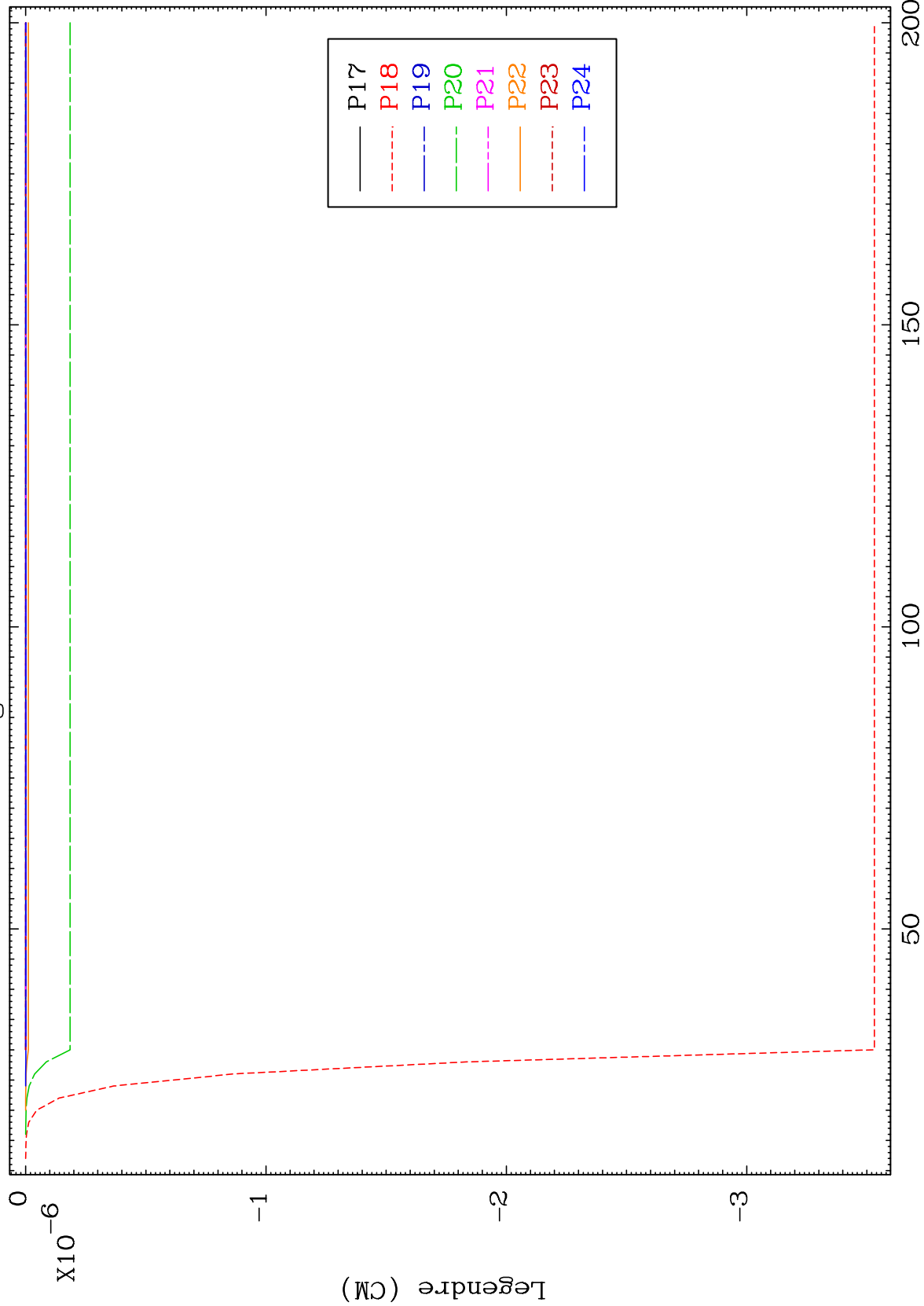
Incident Energy (MeV)

75

MAT 4152

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

41-Nb-102



41-Nb-102

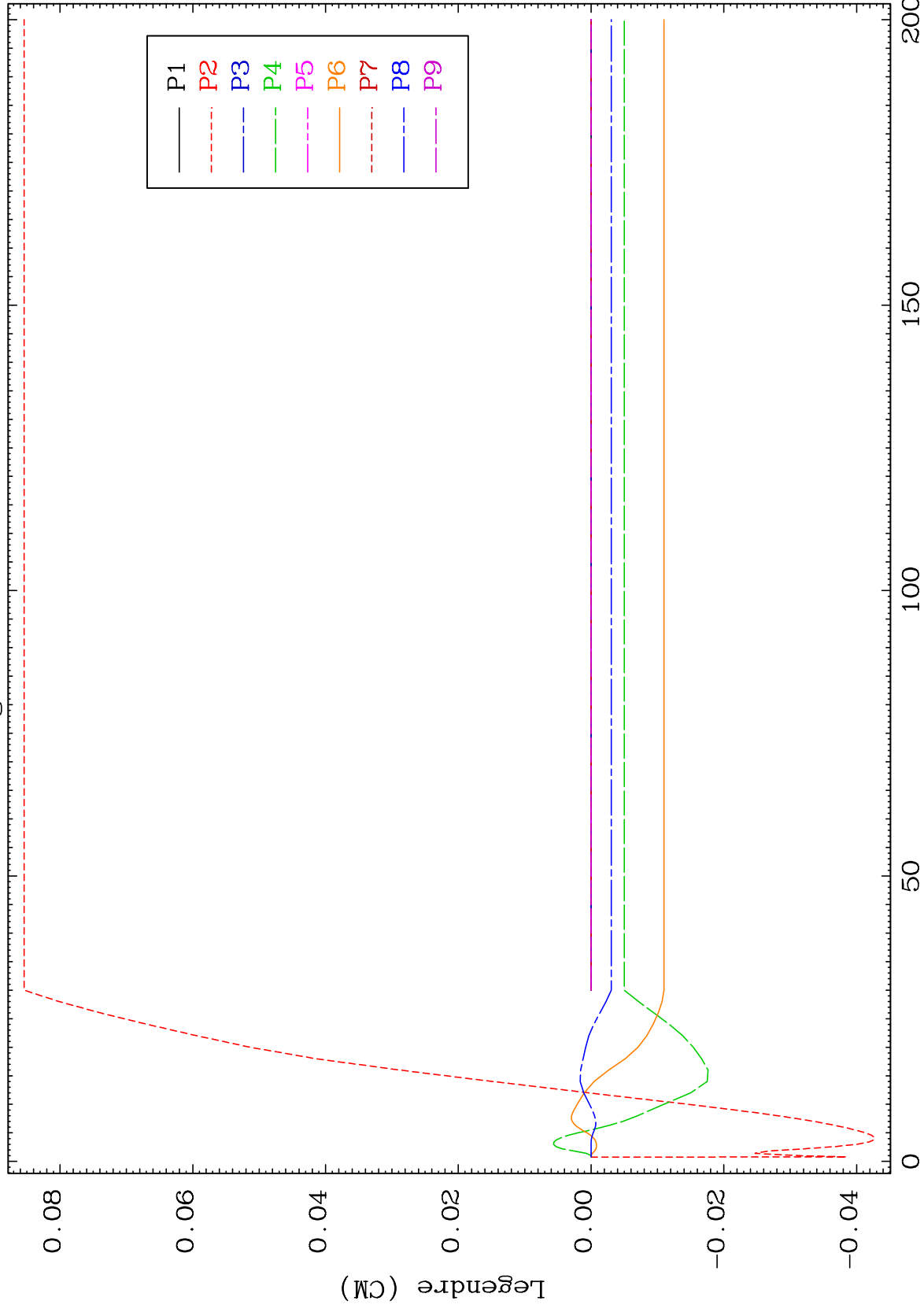
Incident Energy (MeV)

76

MAT 4152

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

41-Nb-102



77

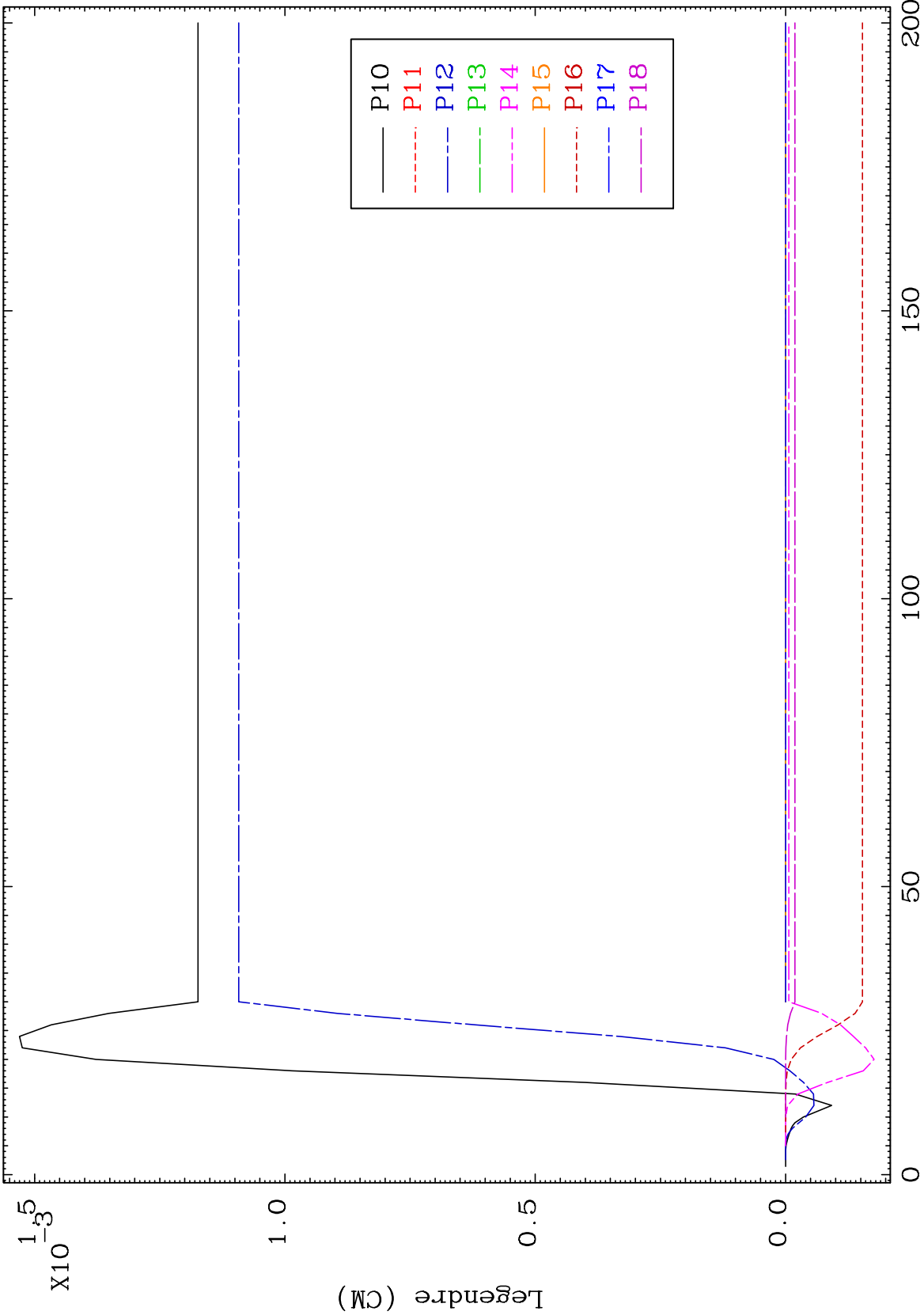
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

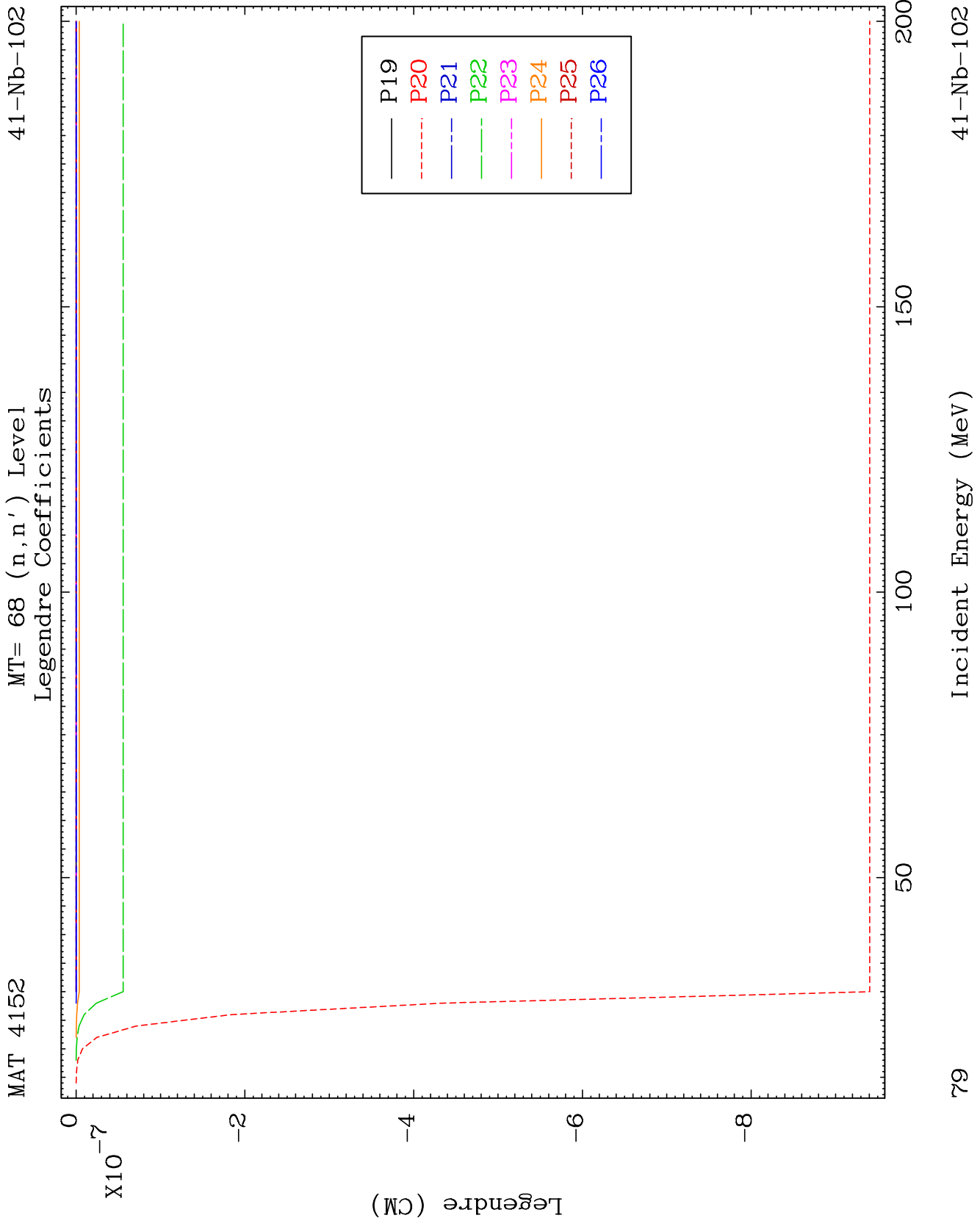
41-Nb-102



78

Incident Energy (MeV)

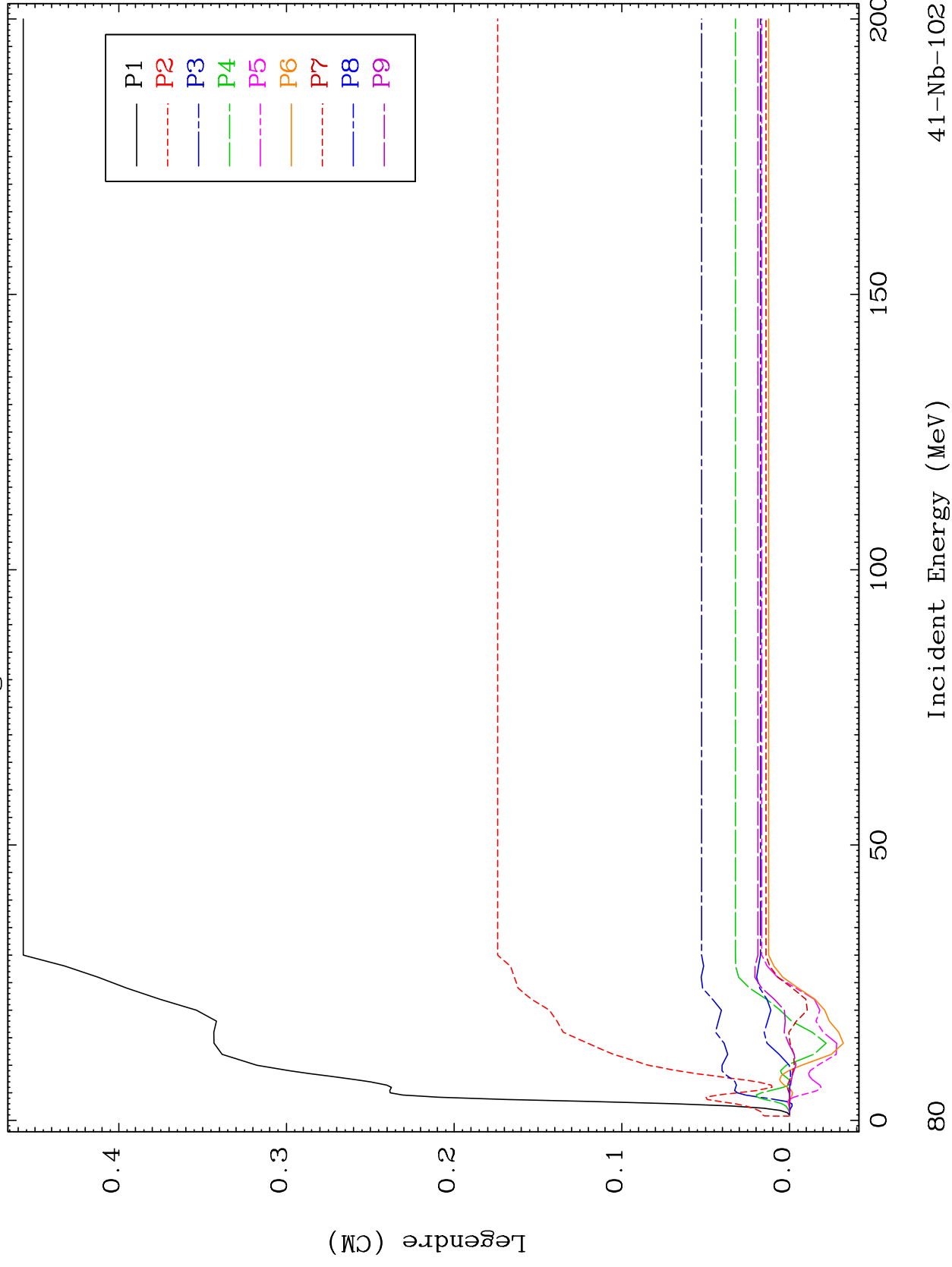
41-Nb-102



MAT 4152

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

41-Nb-102



41-Nb-102

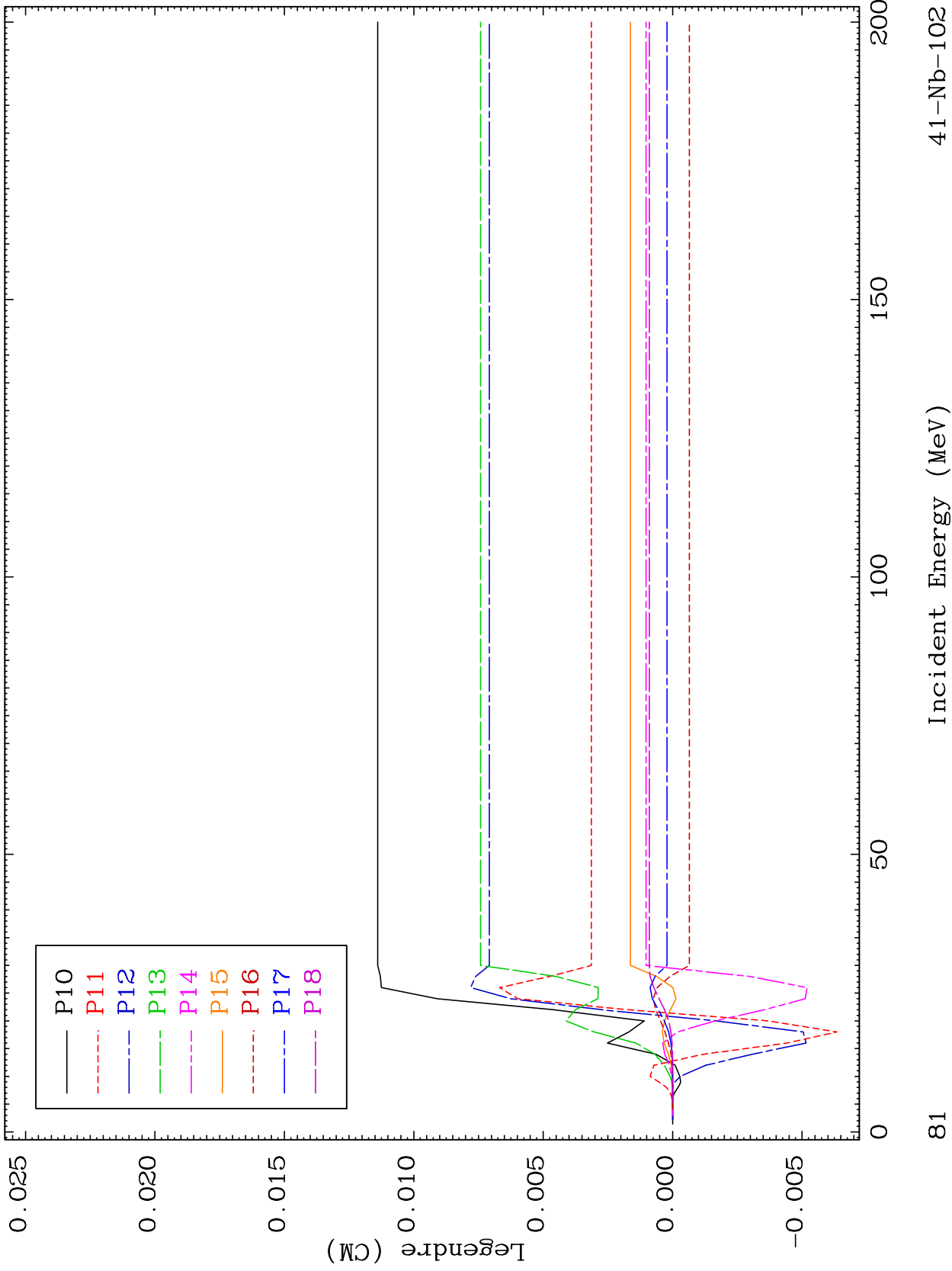
Incident Energy (MeV)

80

MAT 4152

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

41-Nb-102



81

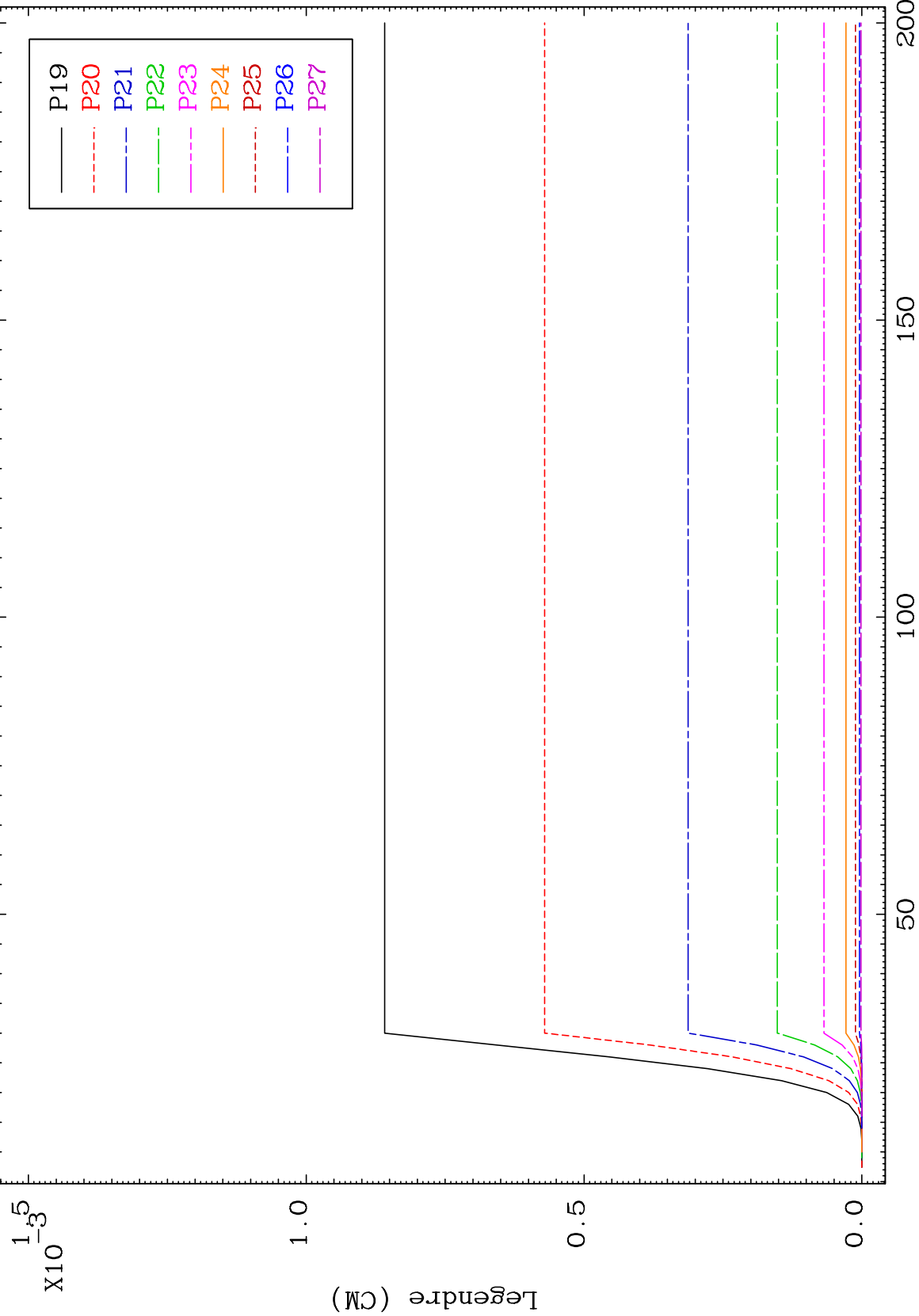
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



82

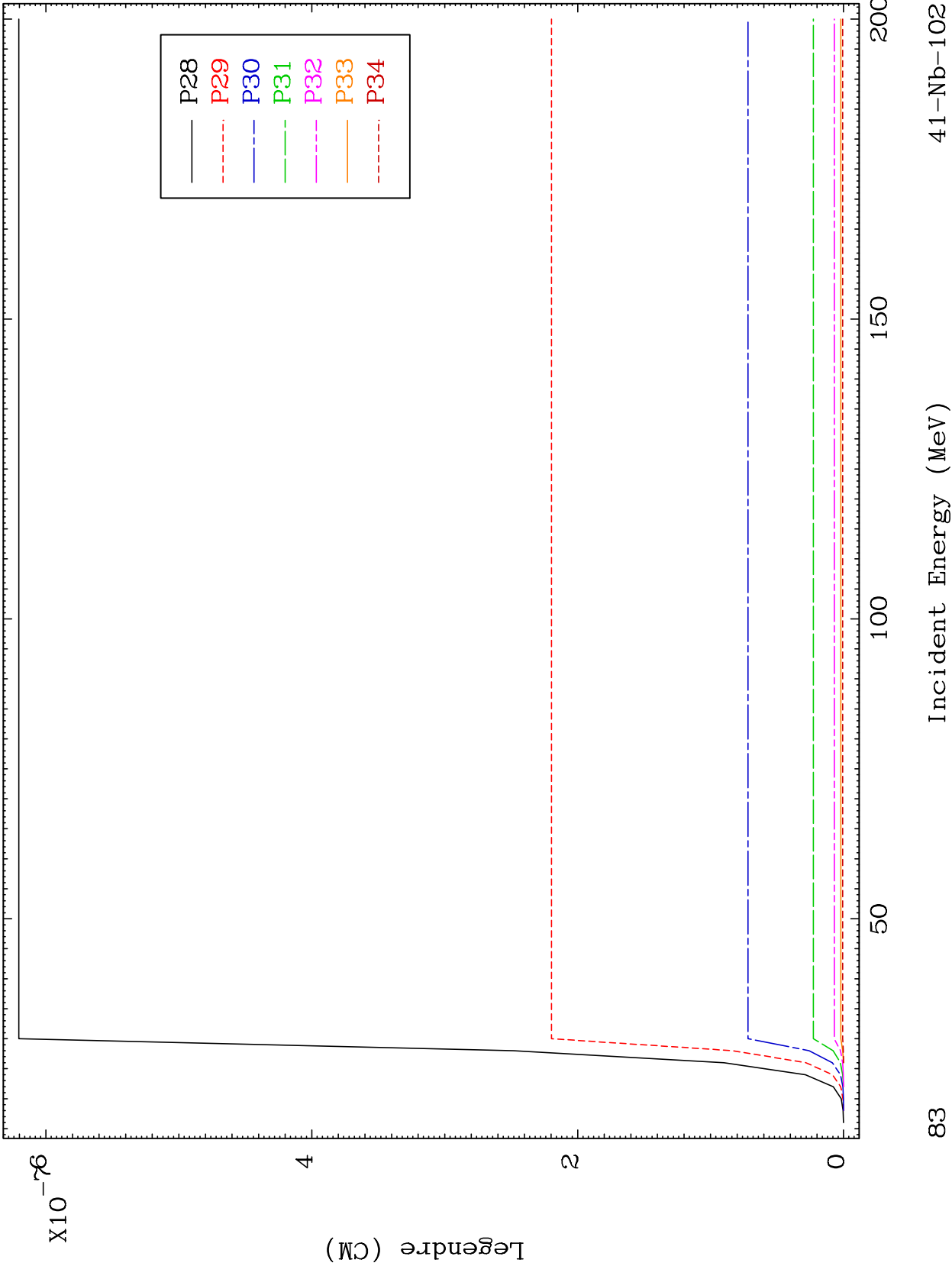
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102

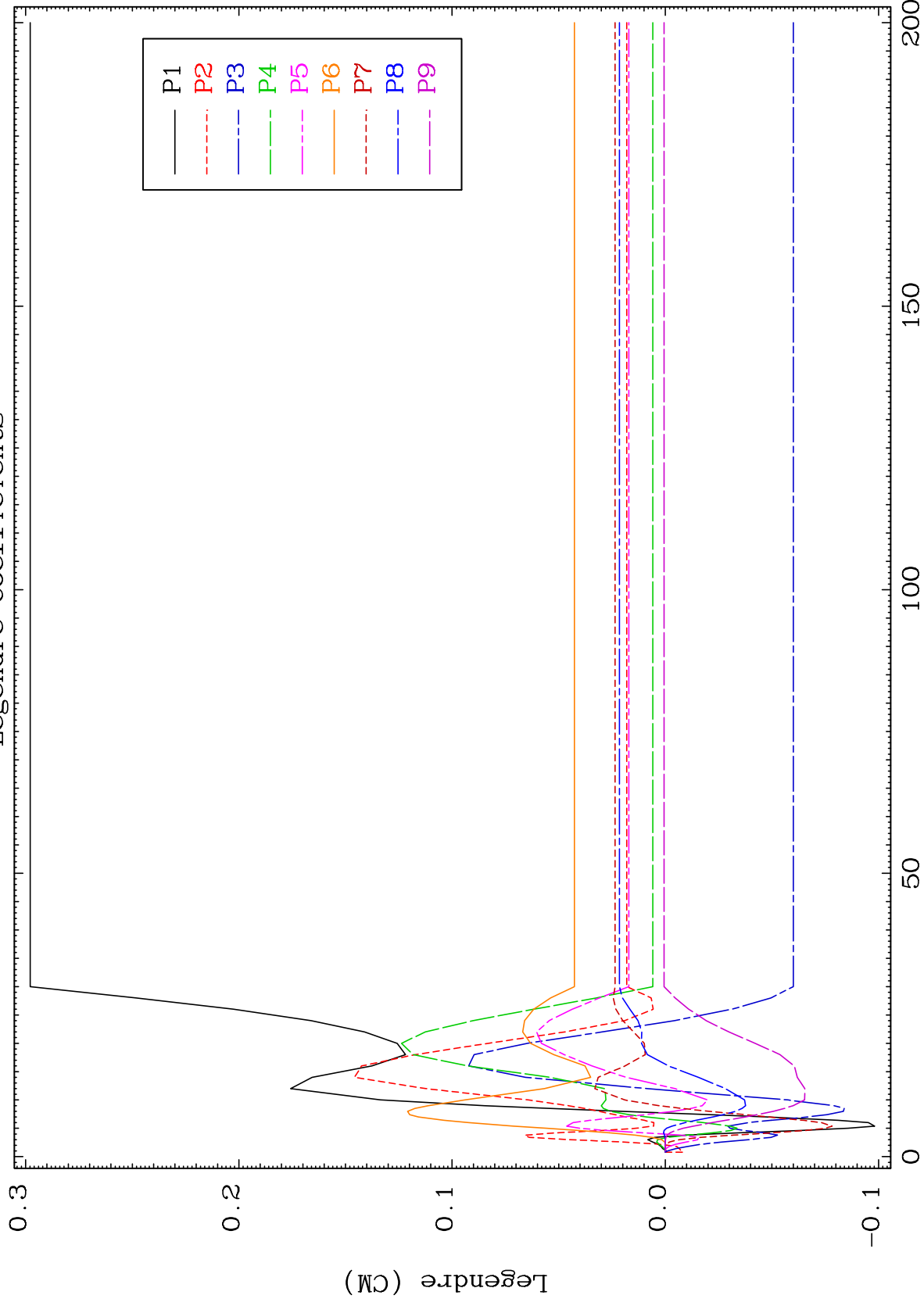


83

MAT 4152

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

41-Nb-102



84

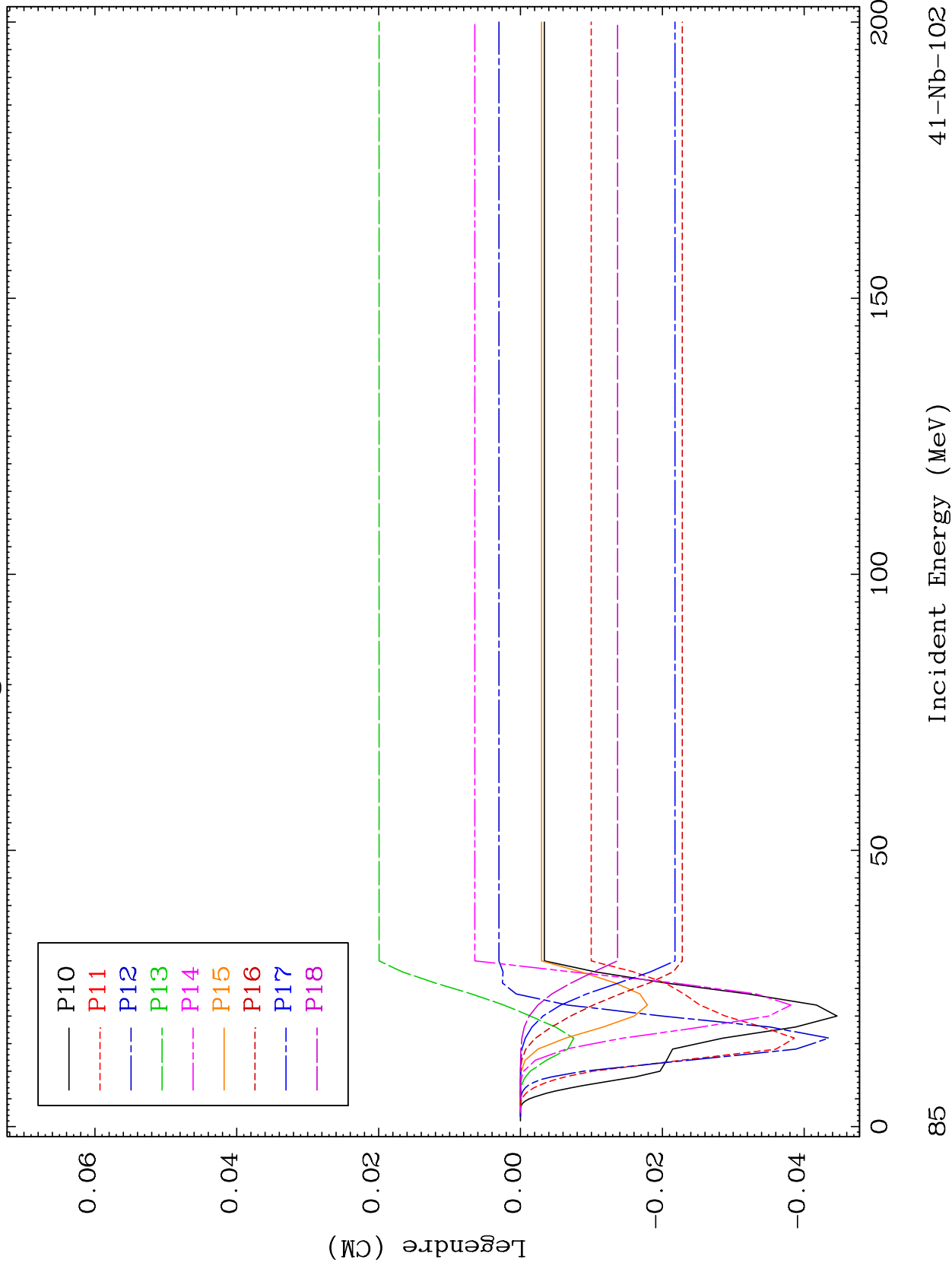
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

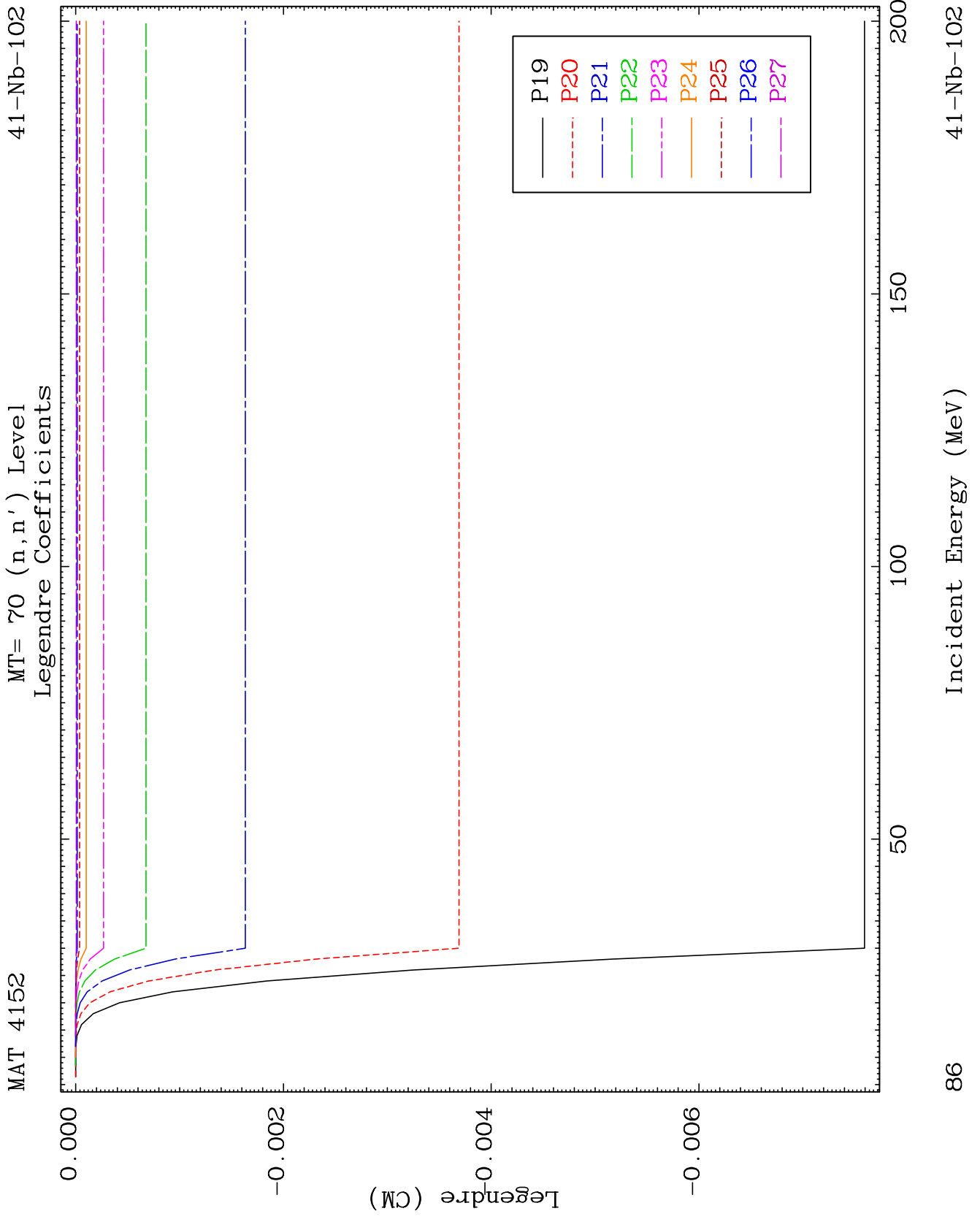
41-Nb-102

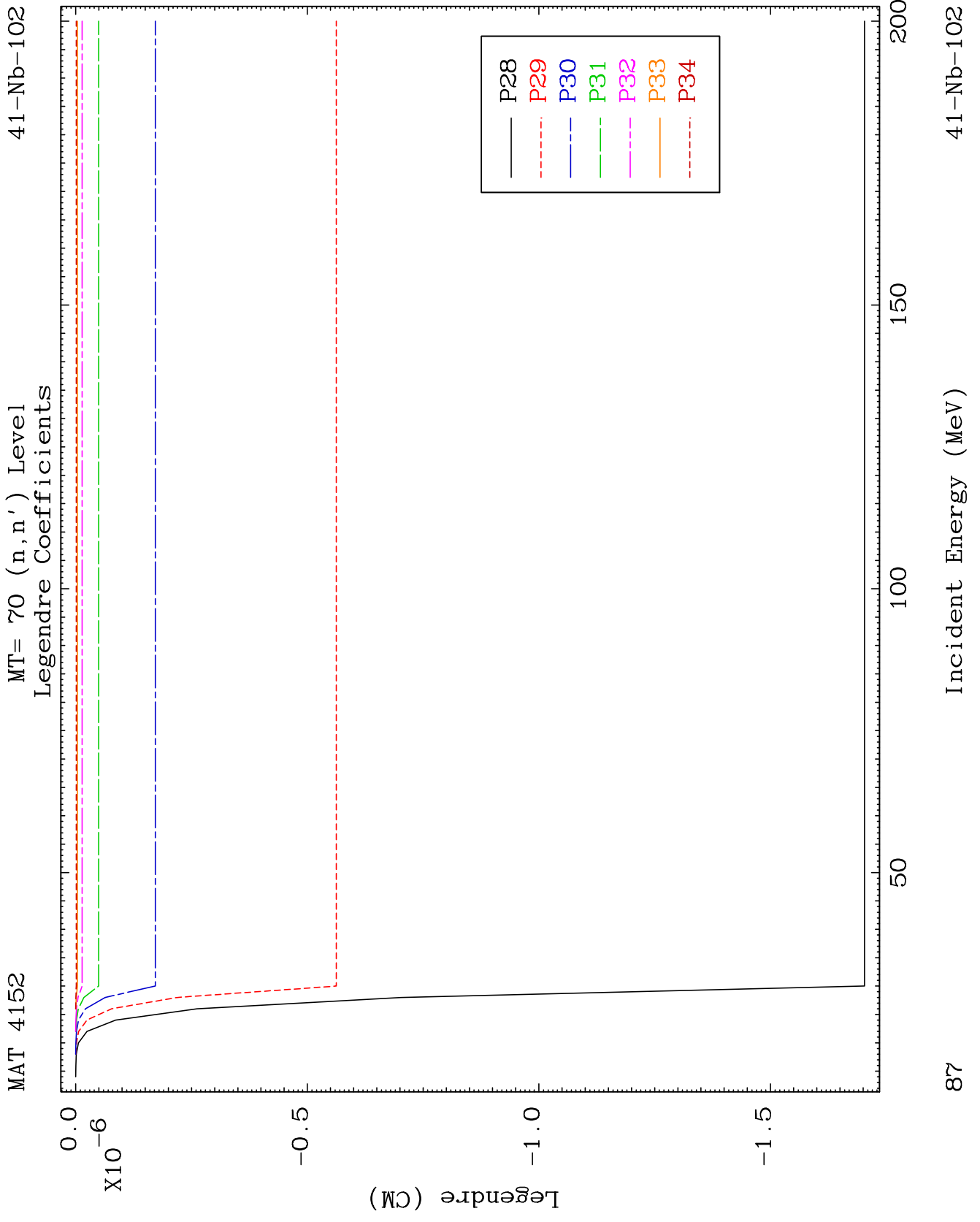


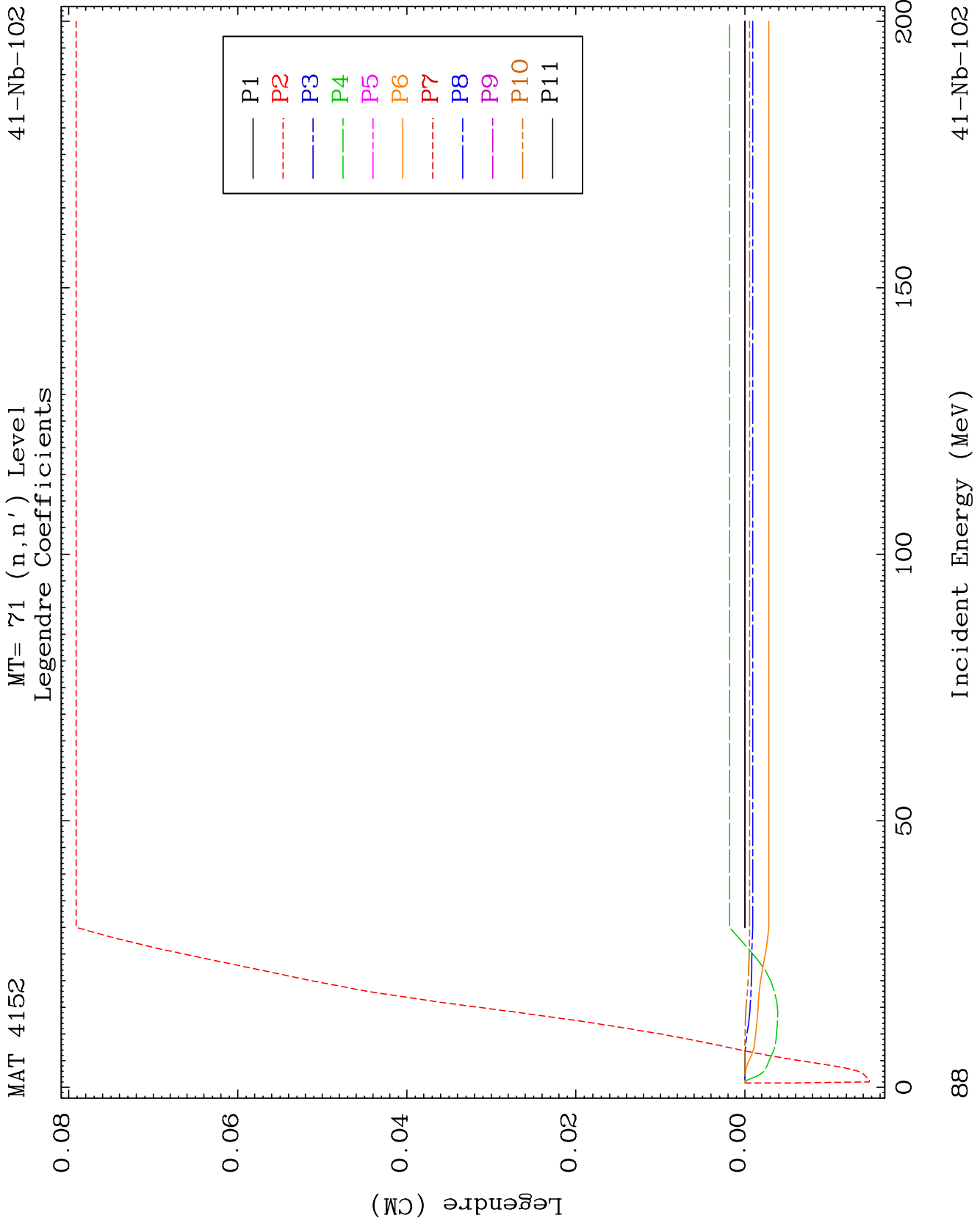
41-Nb-102

Incident Energy (MeV)

85



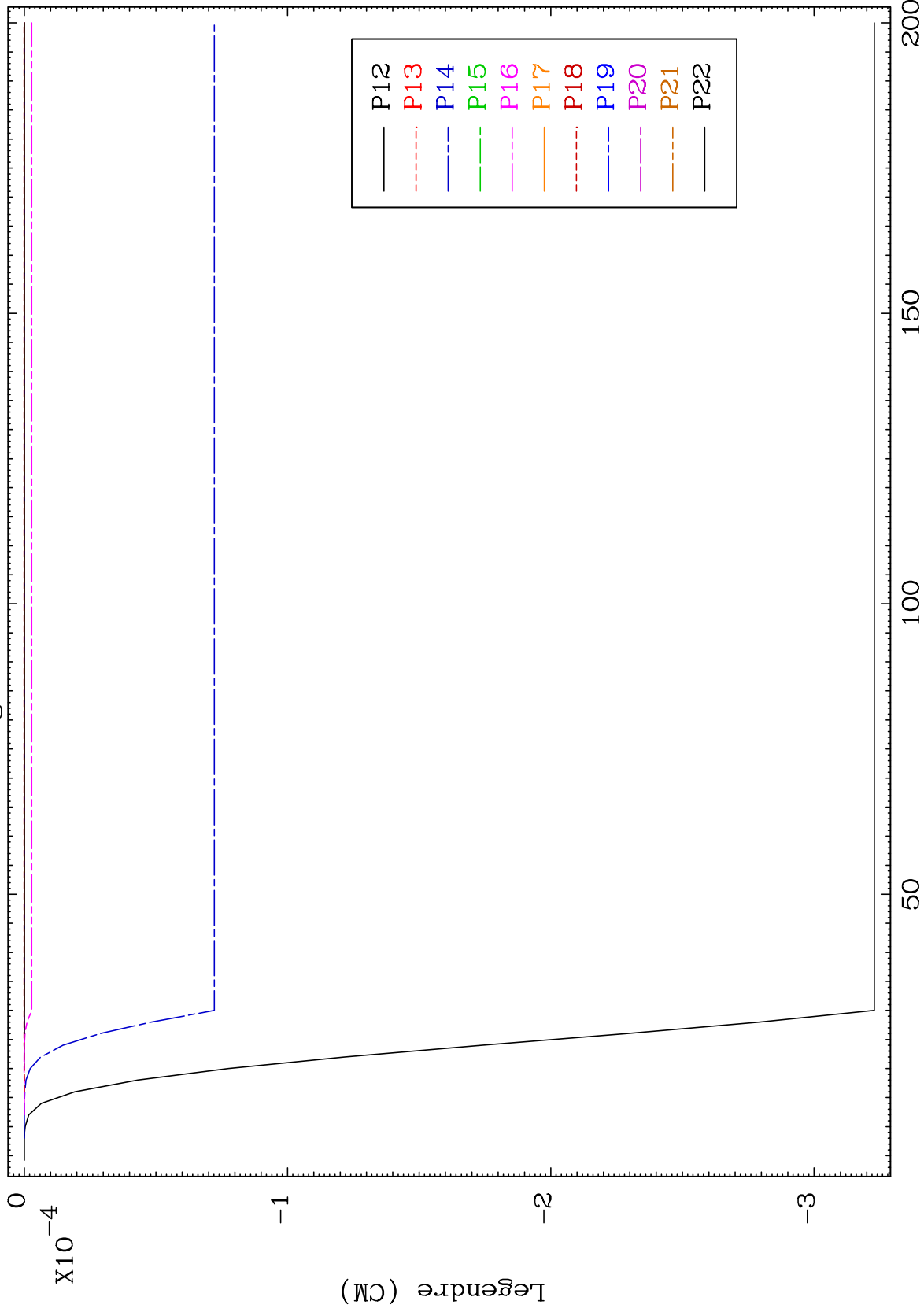




MAT 4152

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

41-Nb-102



89

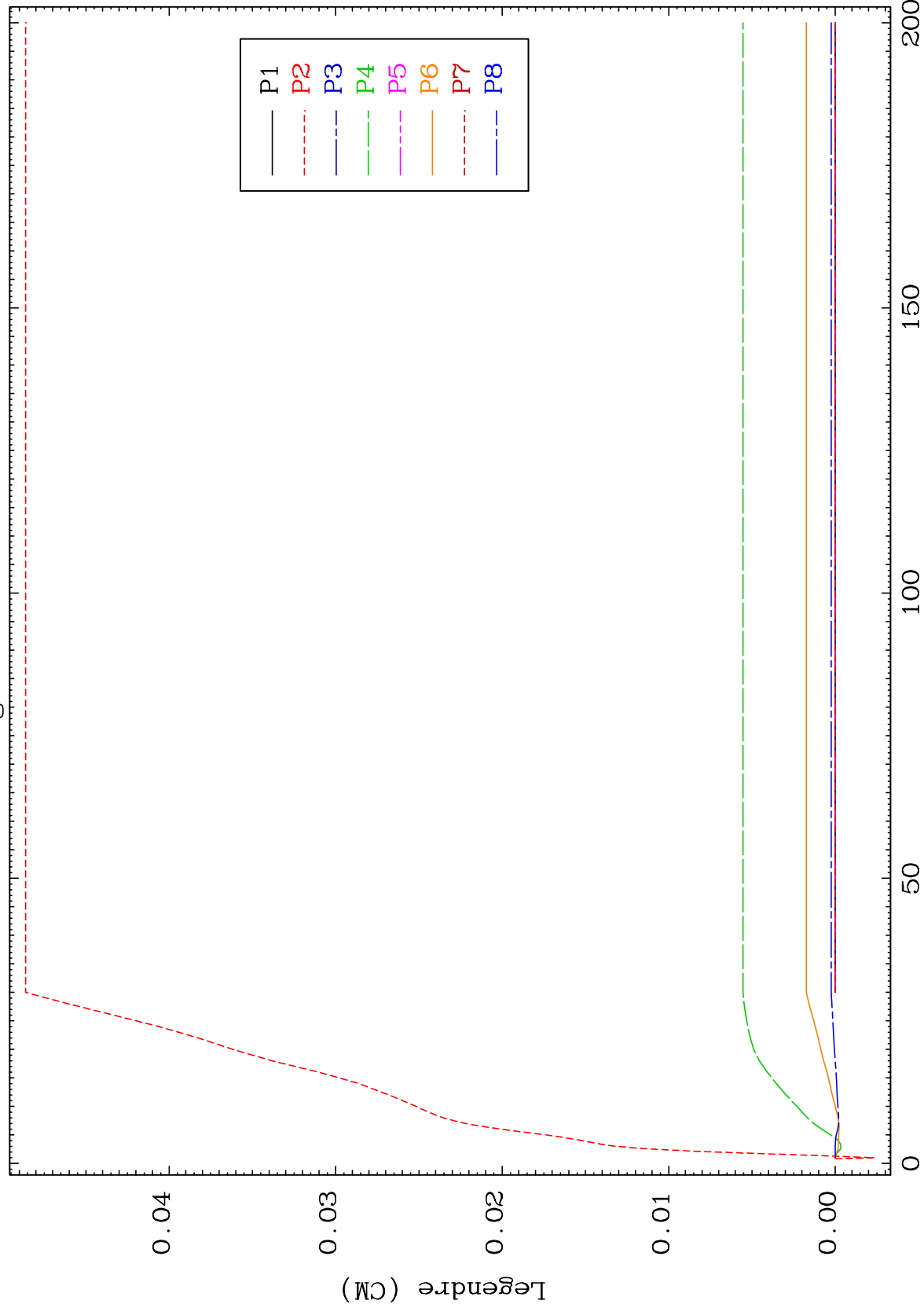
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



41-Nb-102

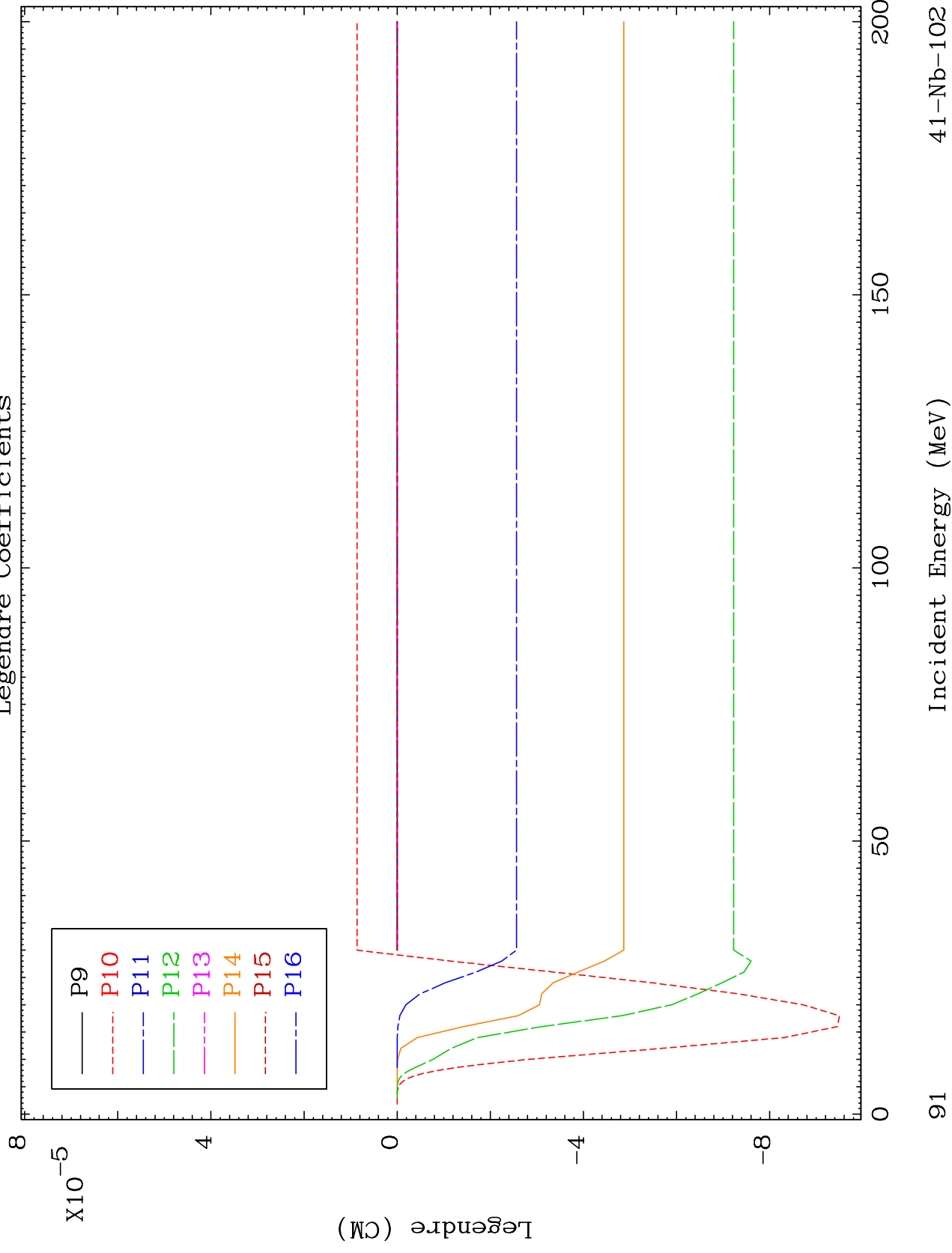
Incident Energy (MeV)

90

MAT 4152

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

41-Nb-102



91

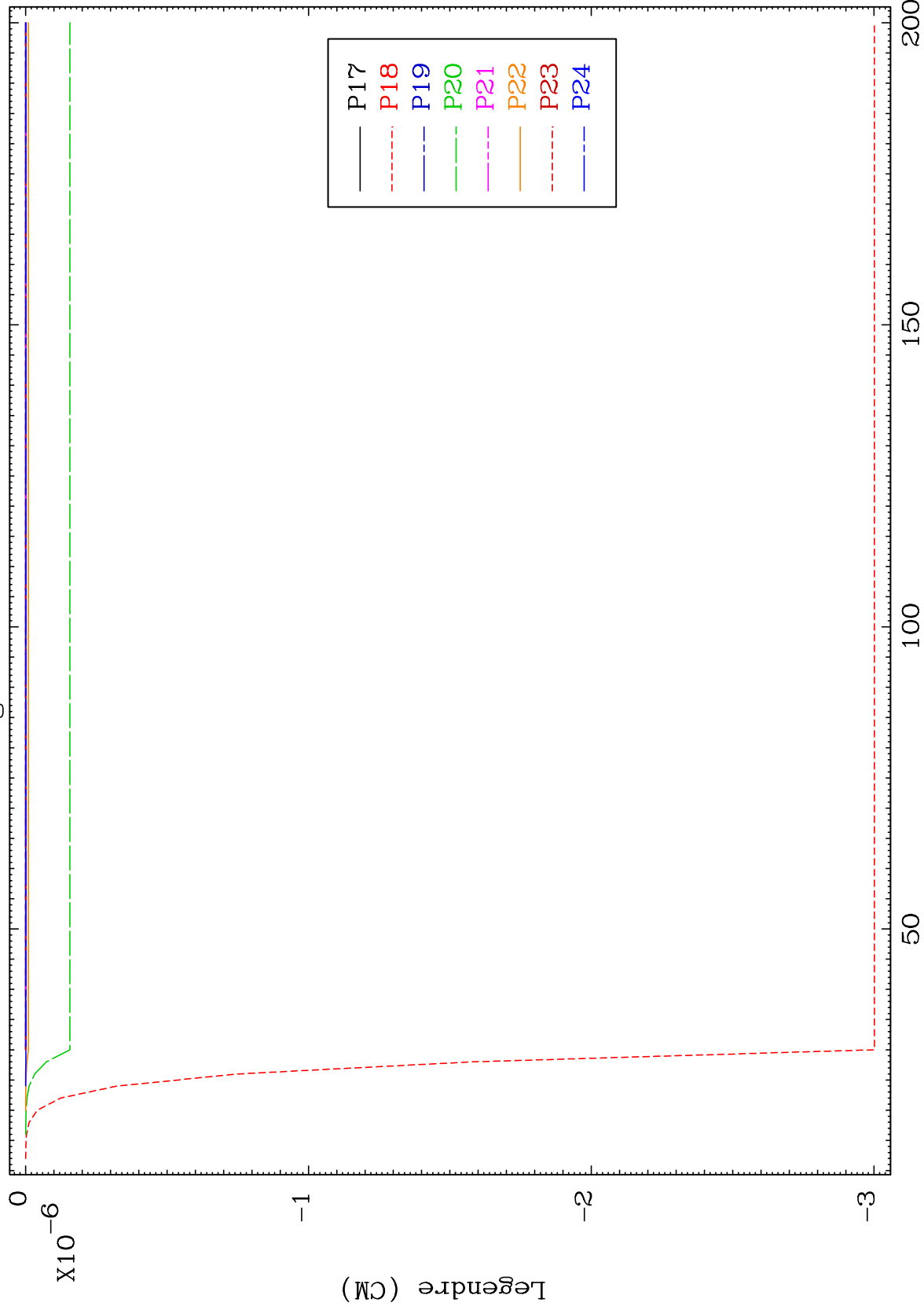
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



92

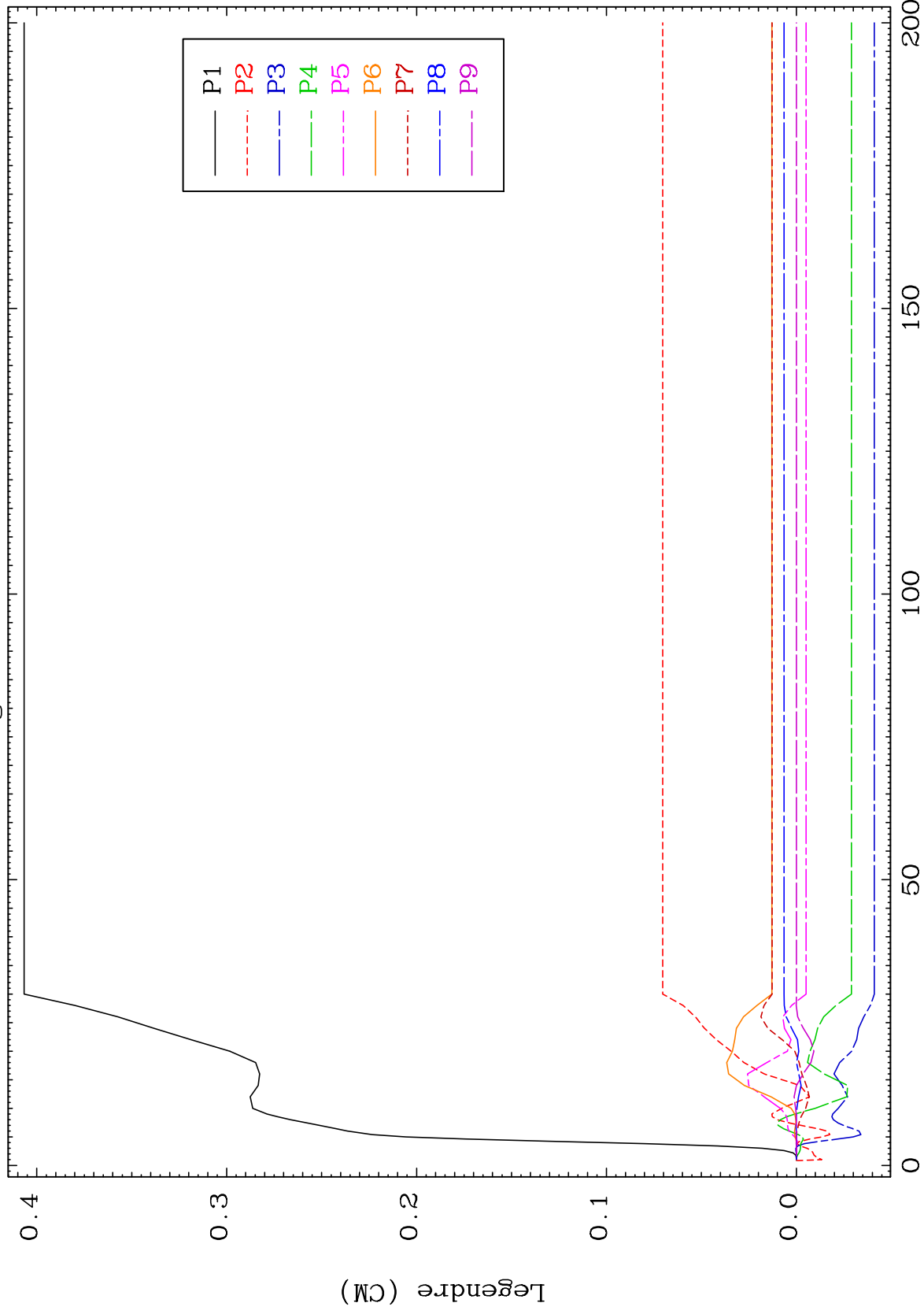
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



93

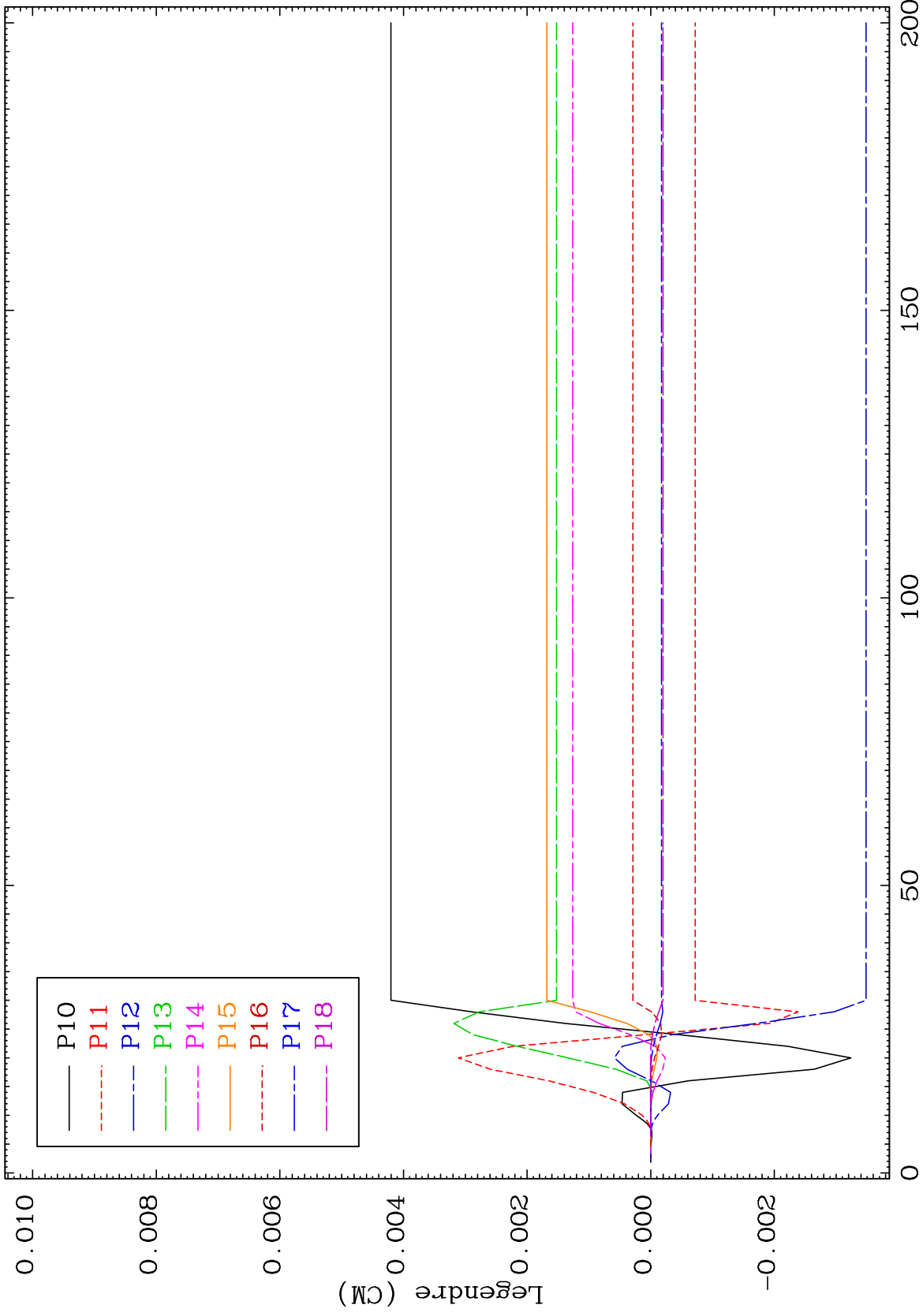
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

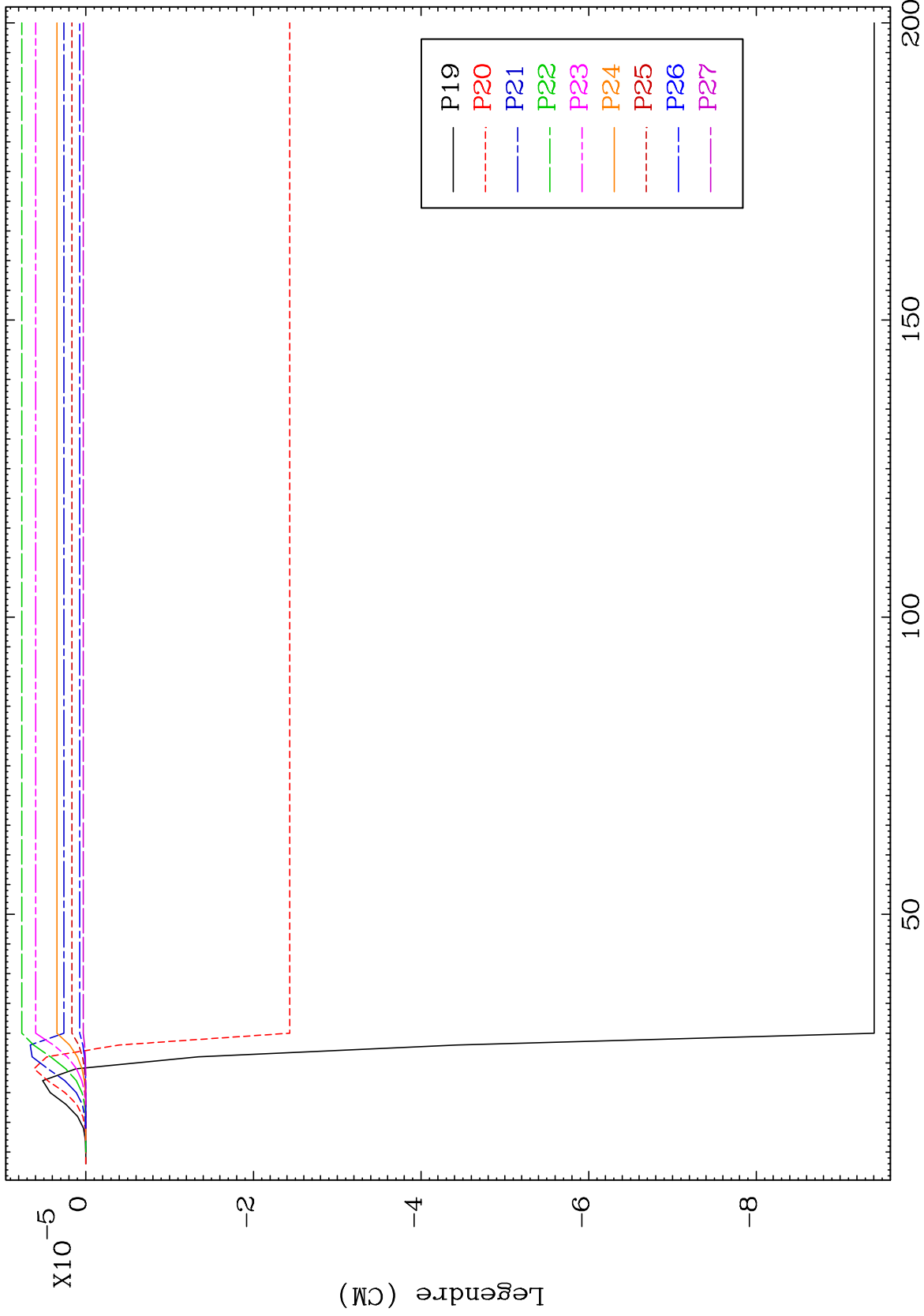
41-Nb-102

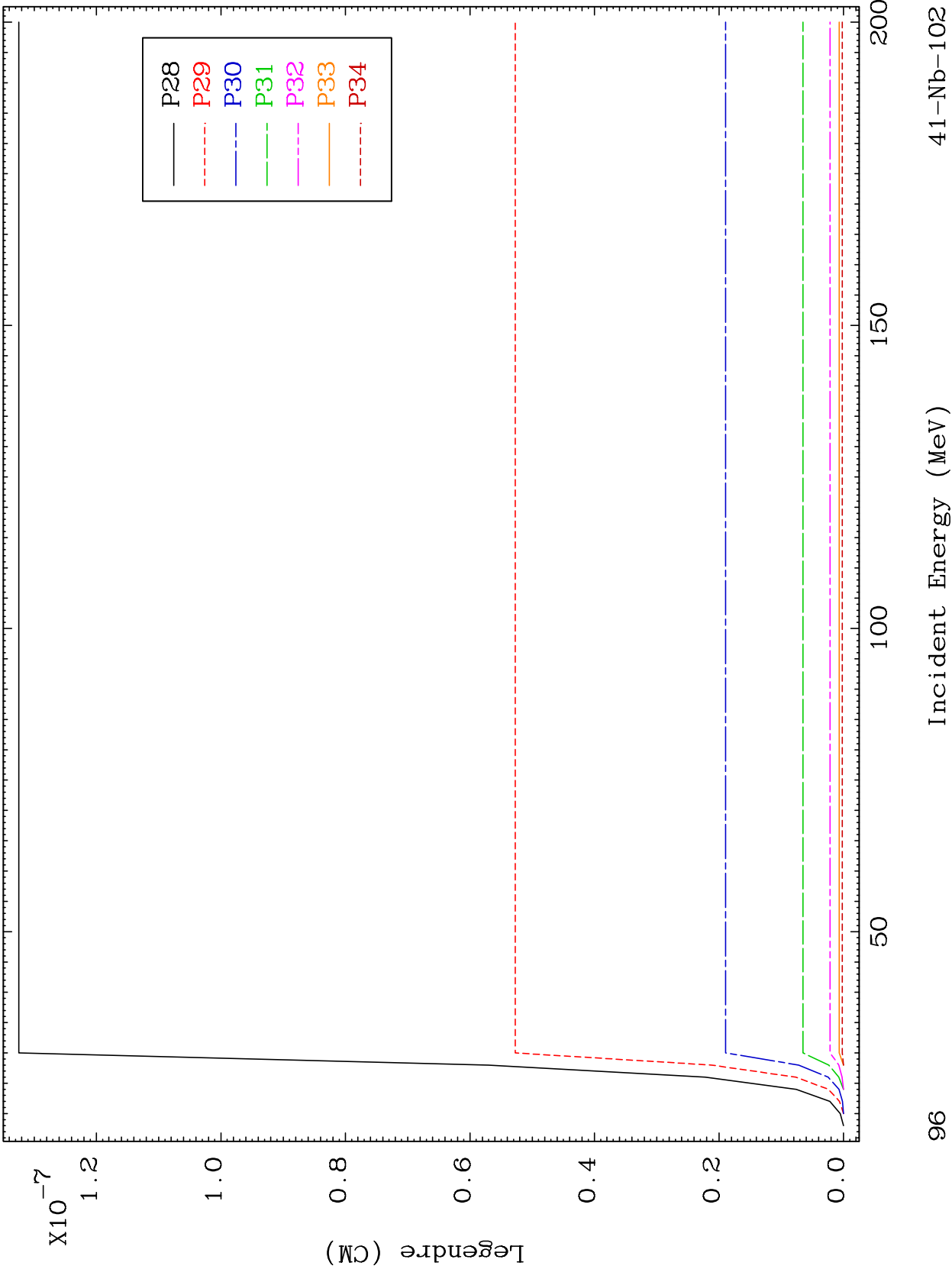


94

Incident Energy (MeV)

41-Nb-102

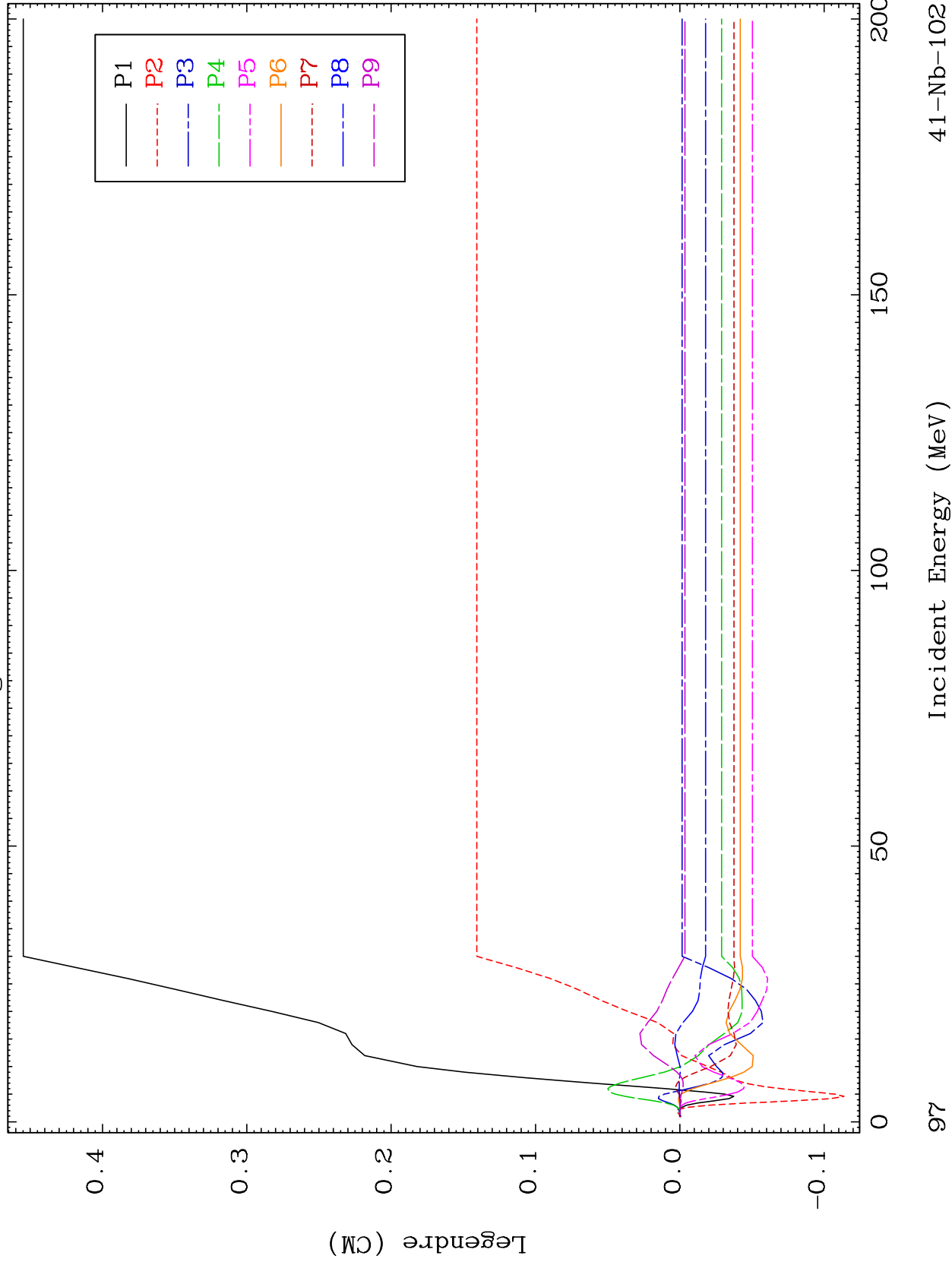




MAT 4152

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

41-Nb-102



97

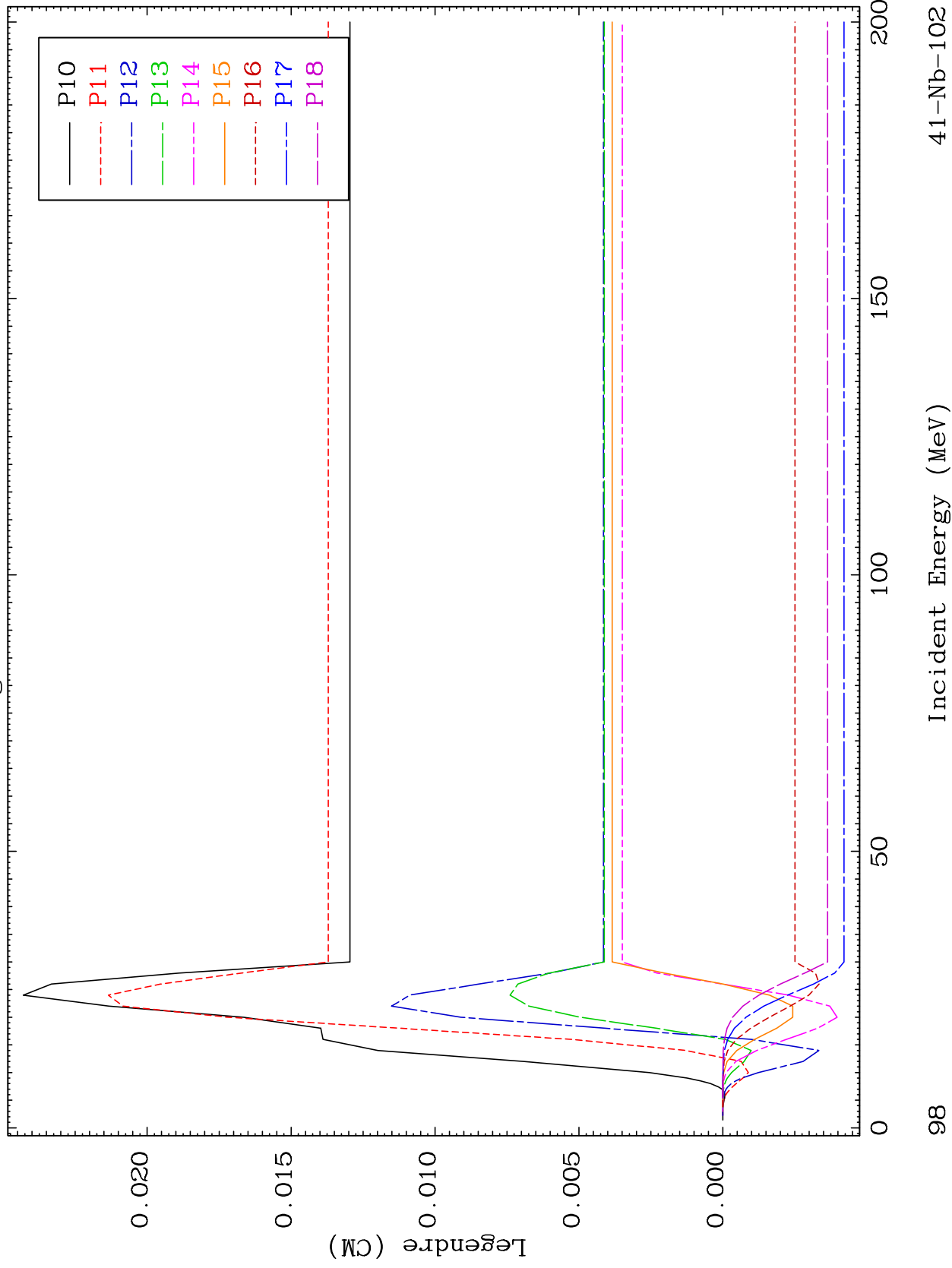
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102

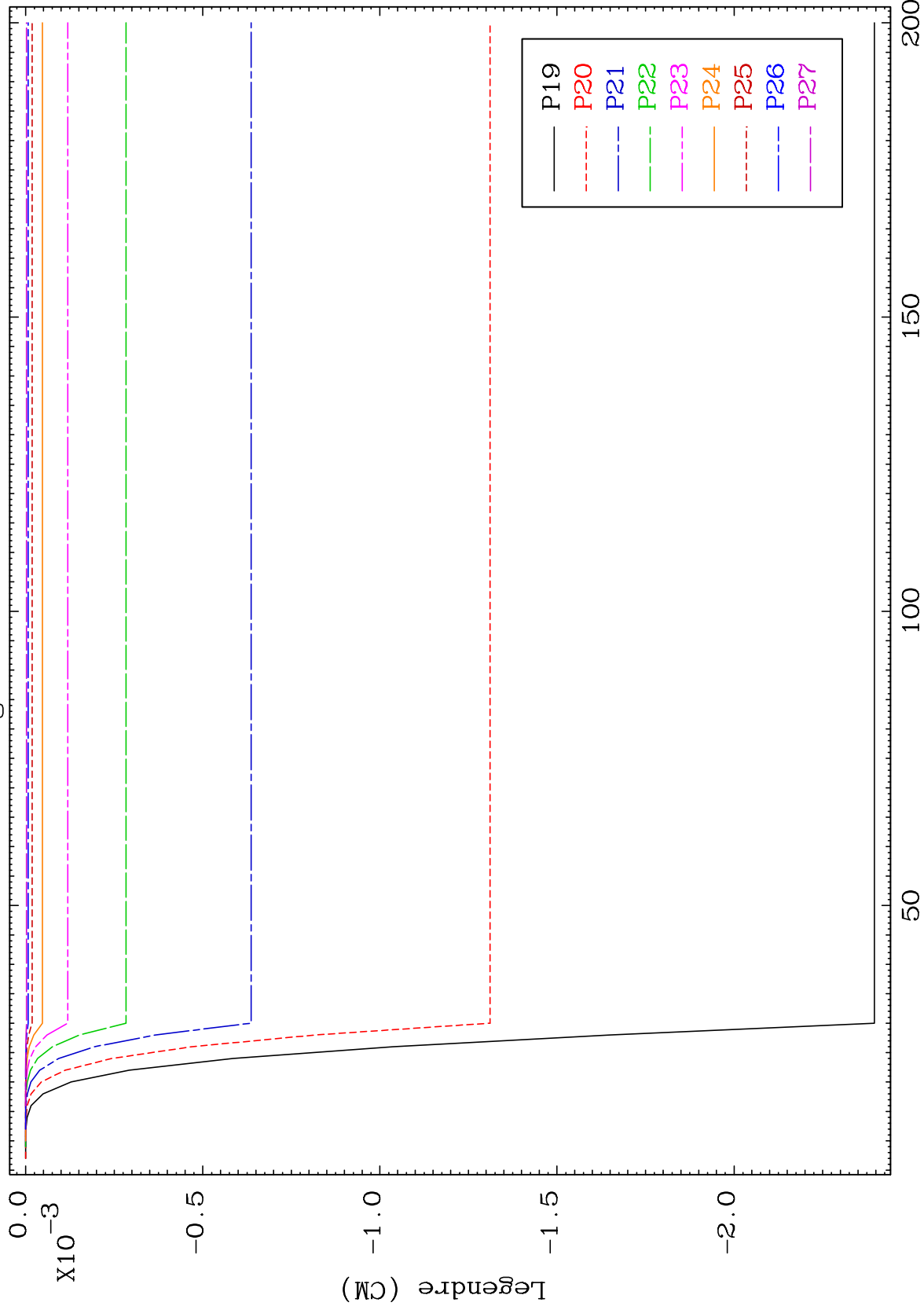


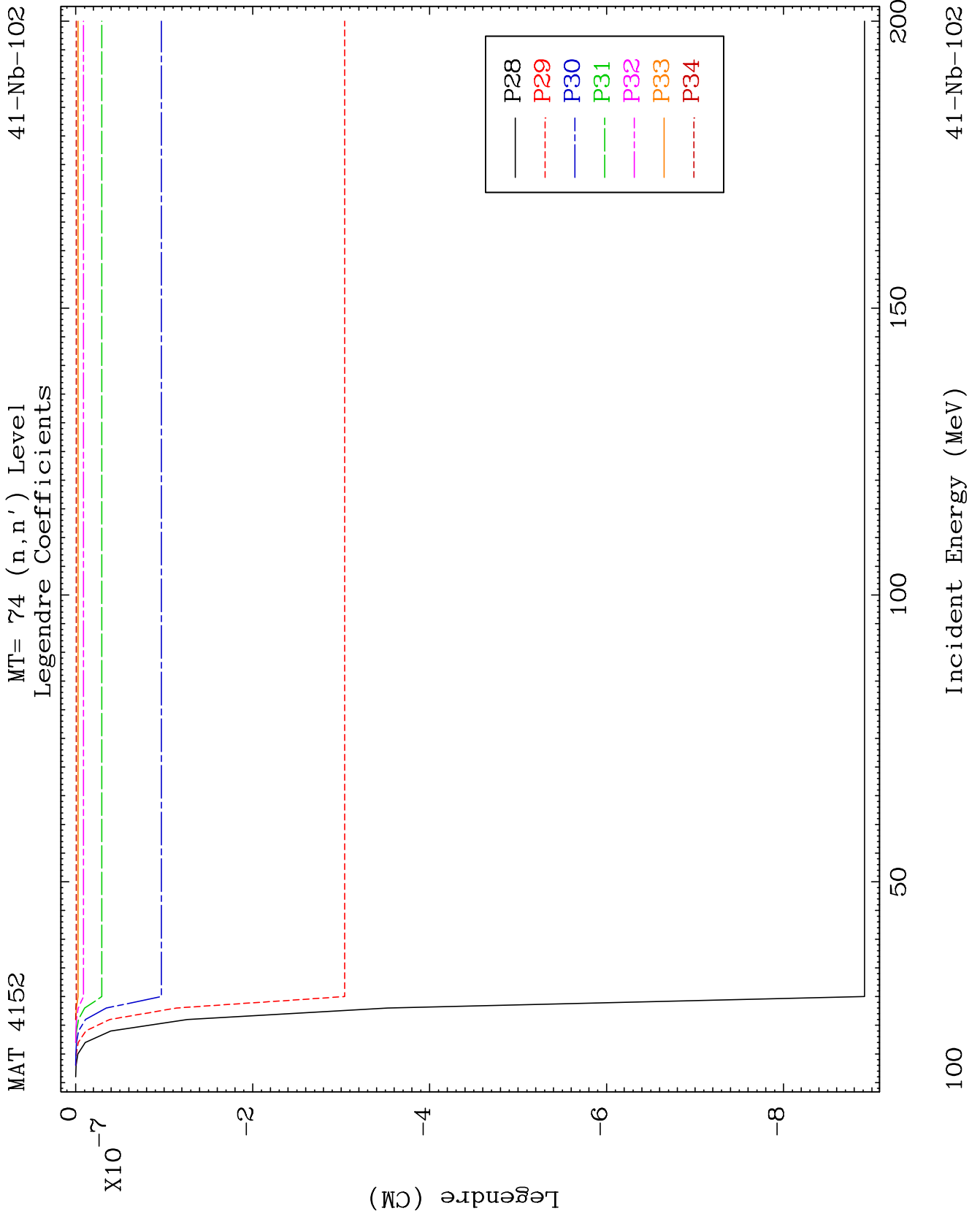
MAT 4152

MT= 74 (n,n') Level

41-Nb-102

Legendre Coefficients

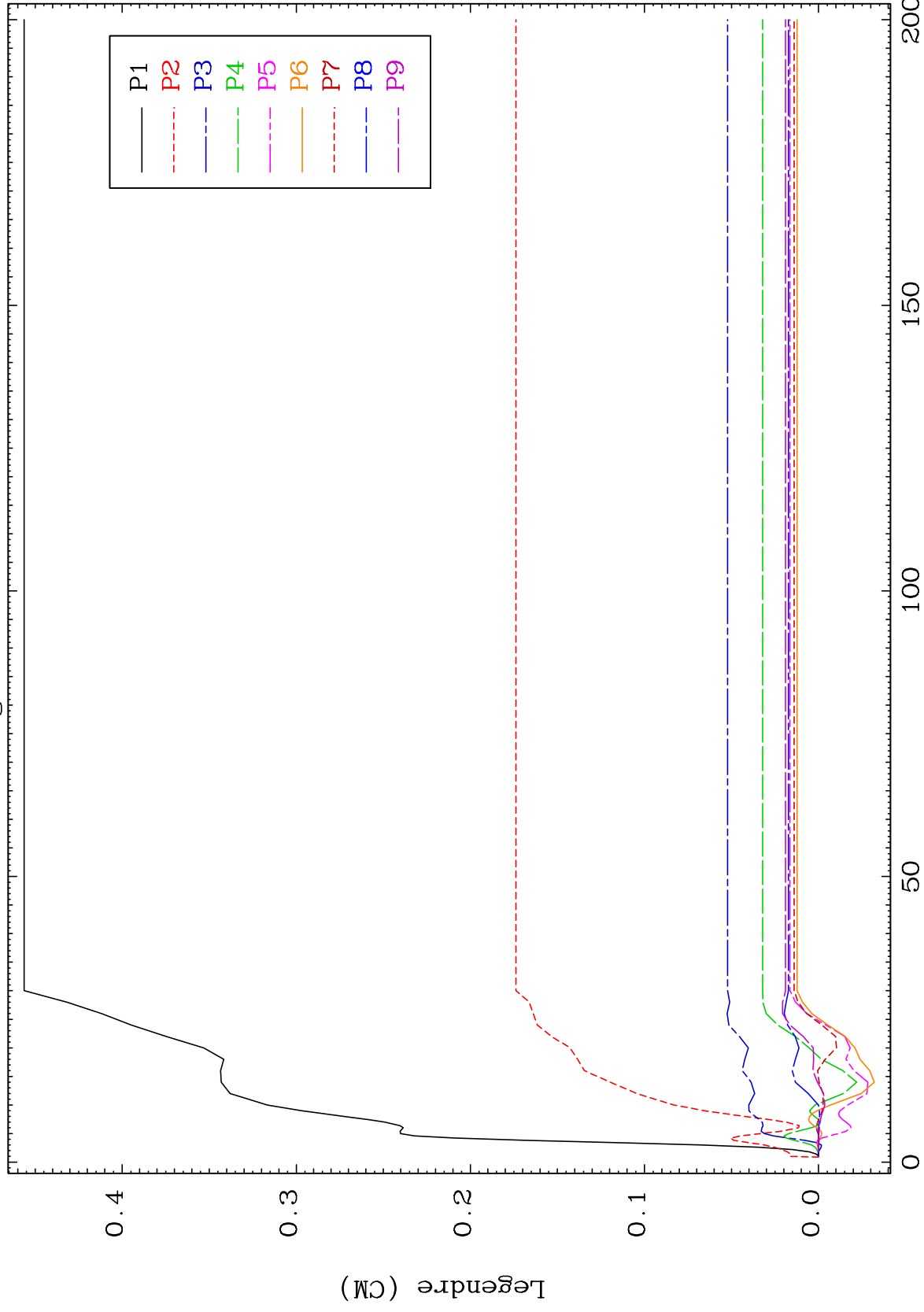




MAT 4152

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

41-Nb-102



101

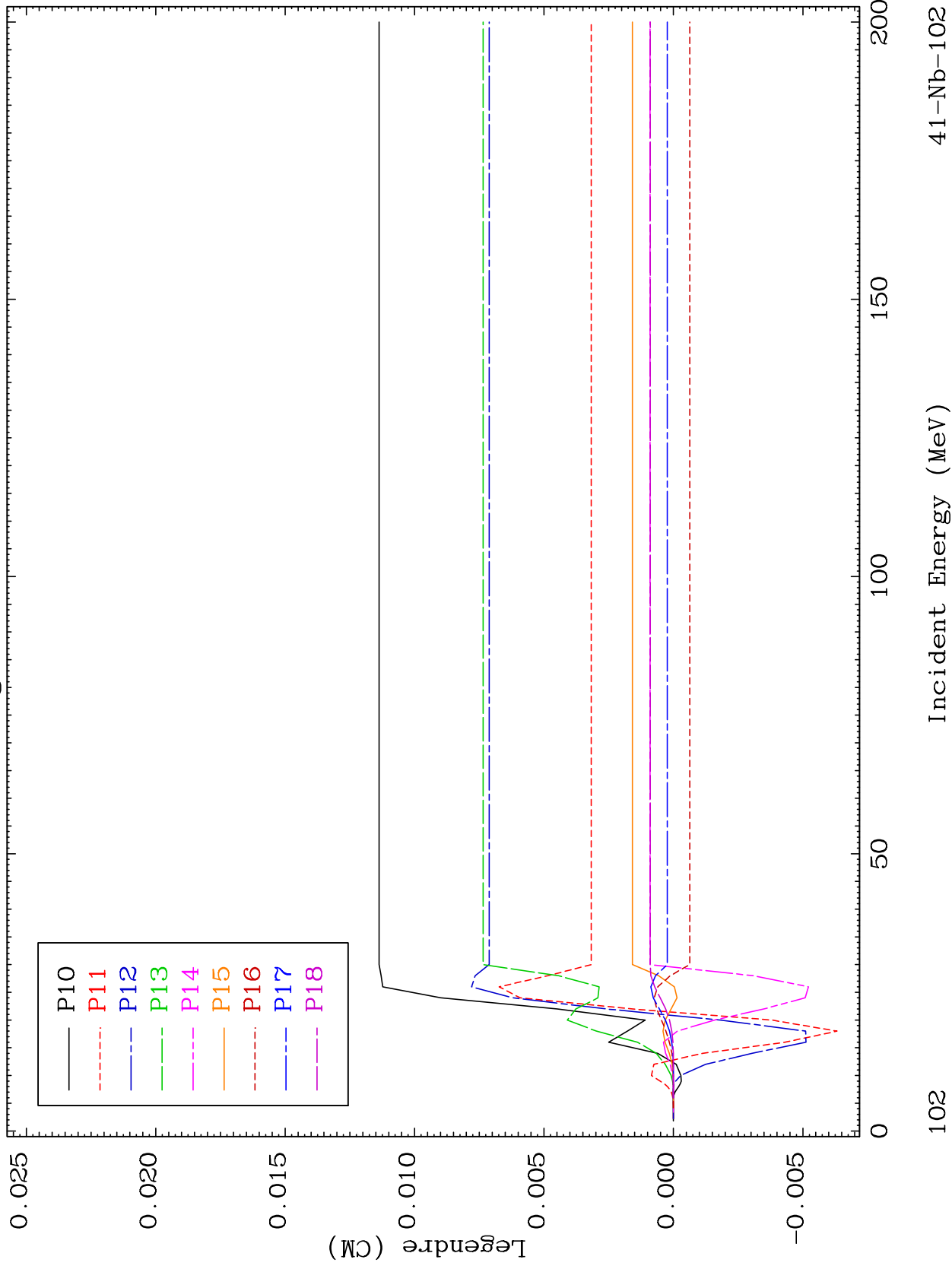
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



41-Nb-102

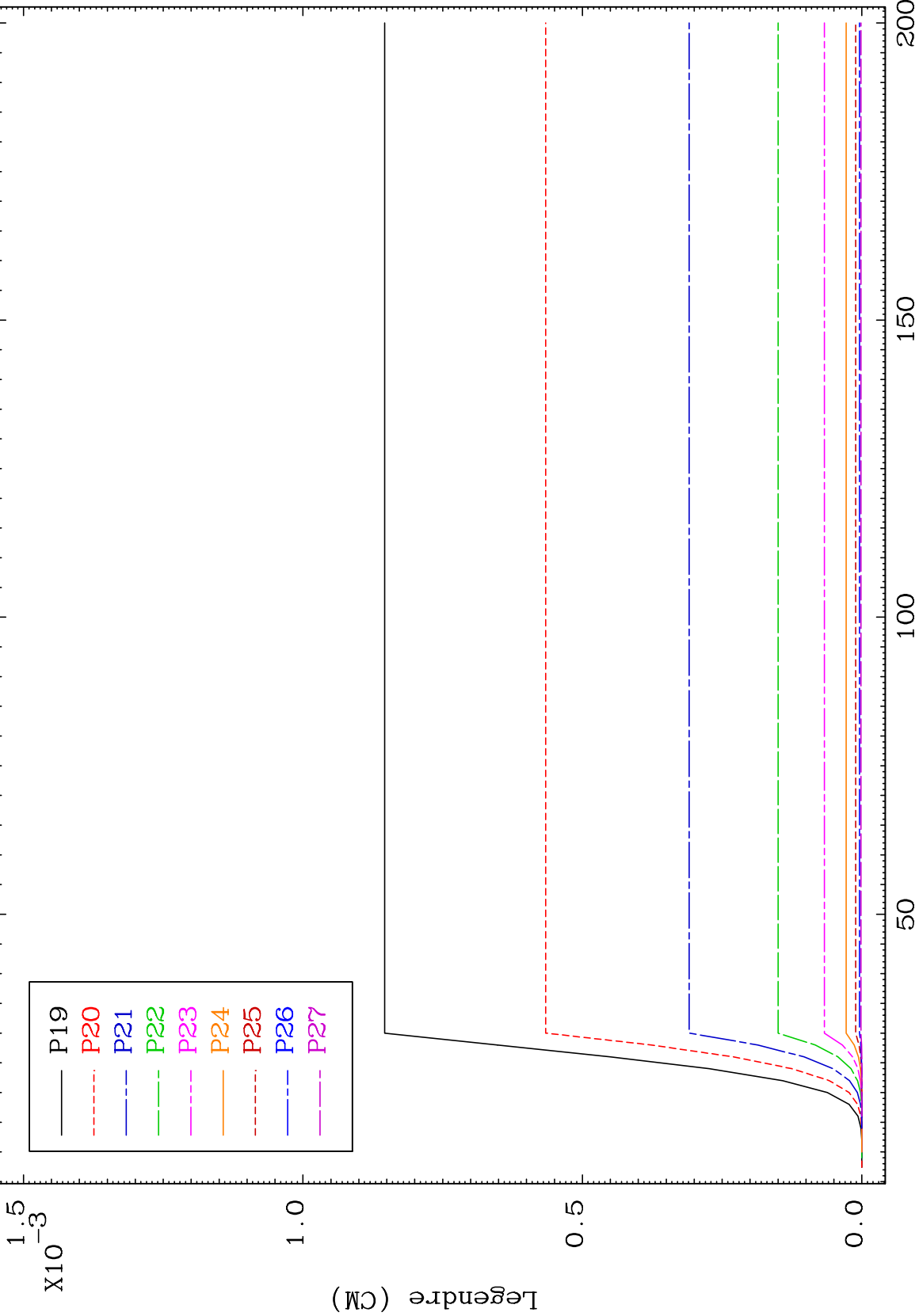
Incident Energy (MeV)

102

MAT 4152

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

41-Nb-102



103

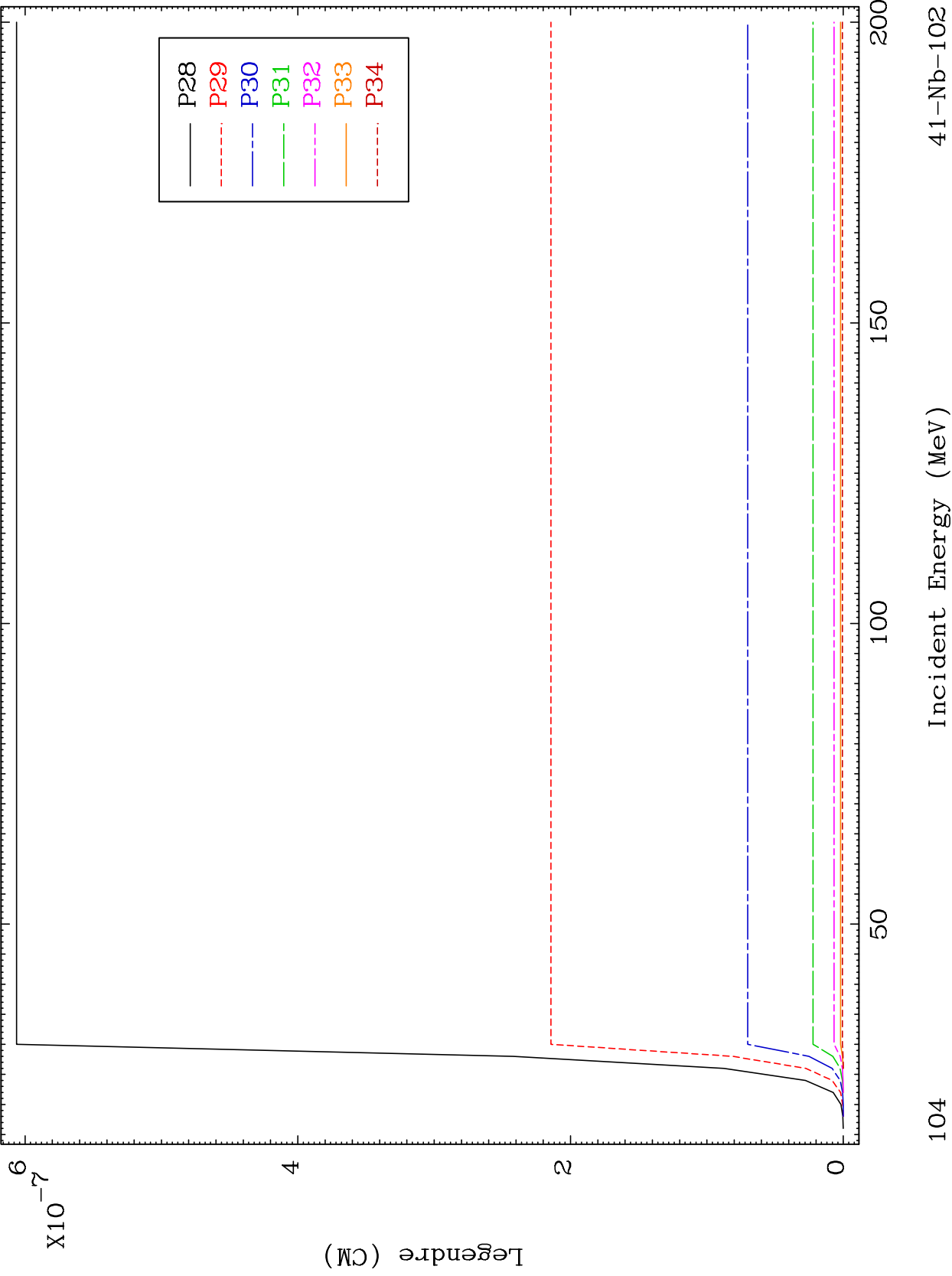
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



104

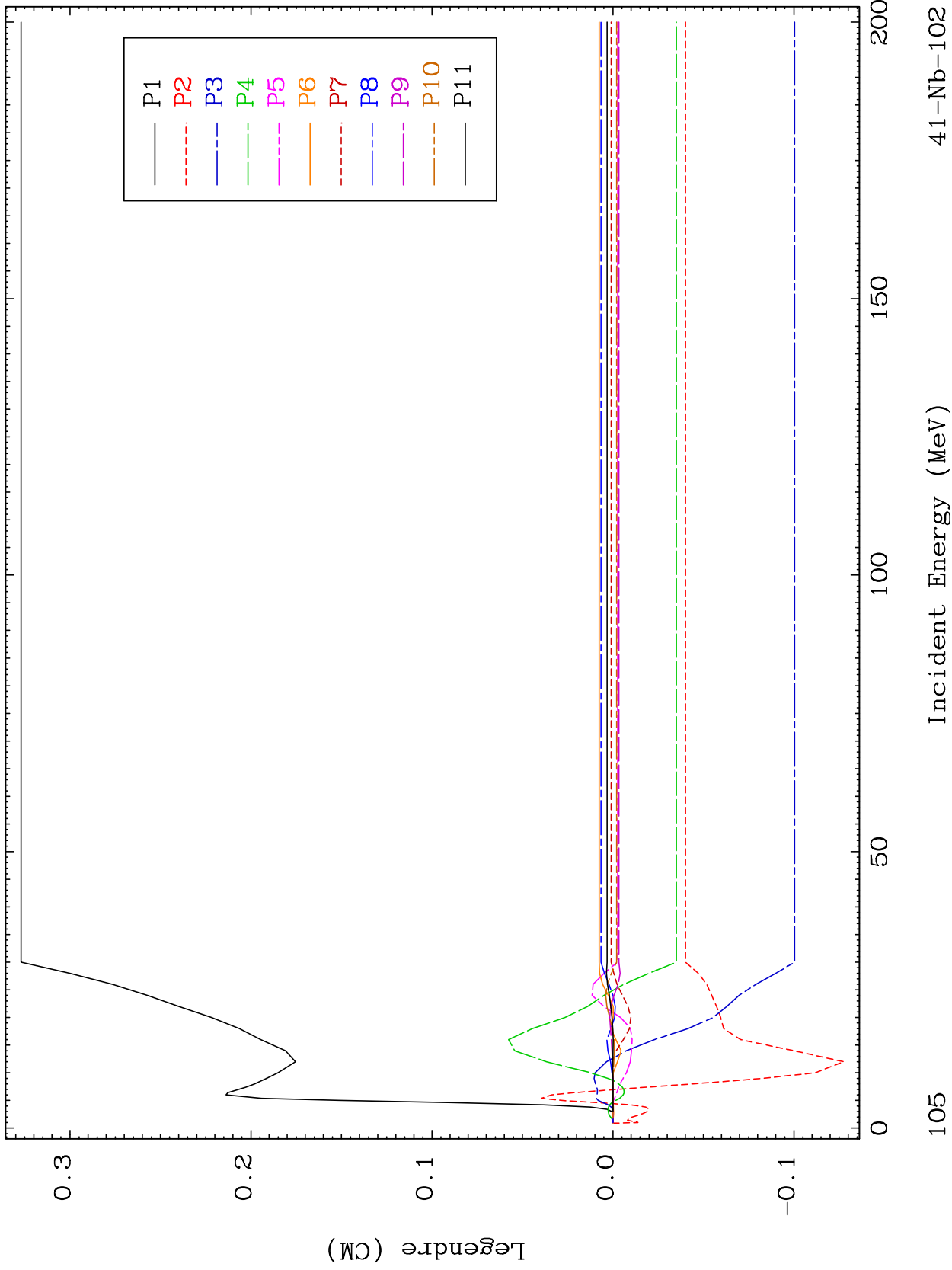
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102



41-Nb-102

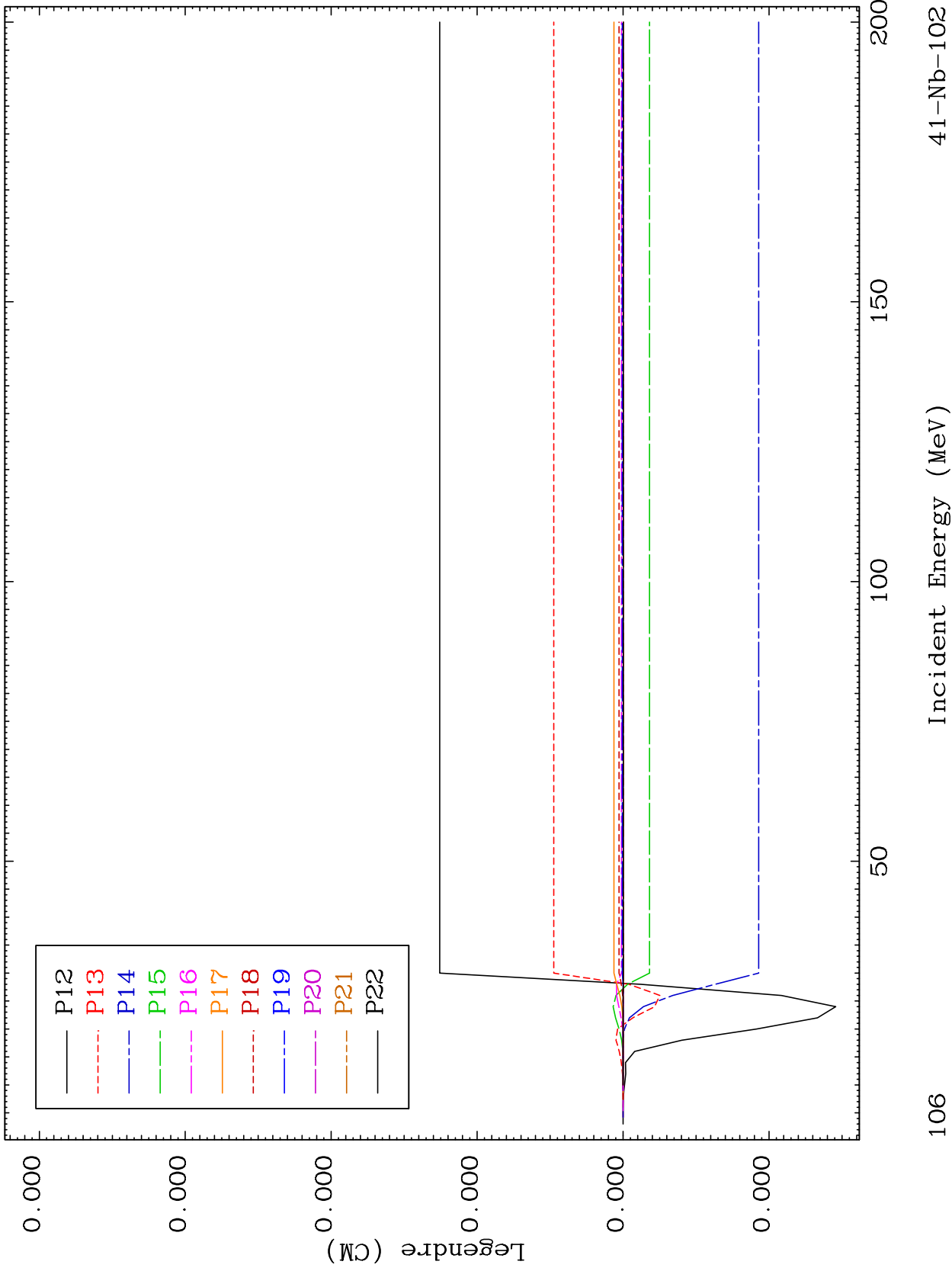
Incident Energy (MeV)

105

MAT 4152

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

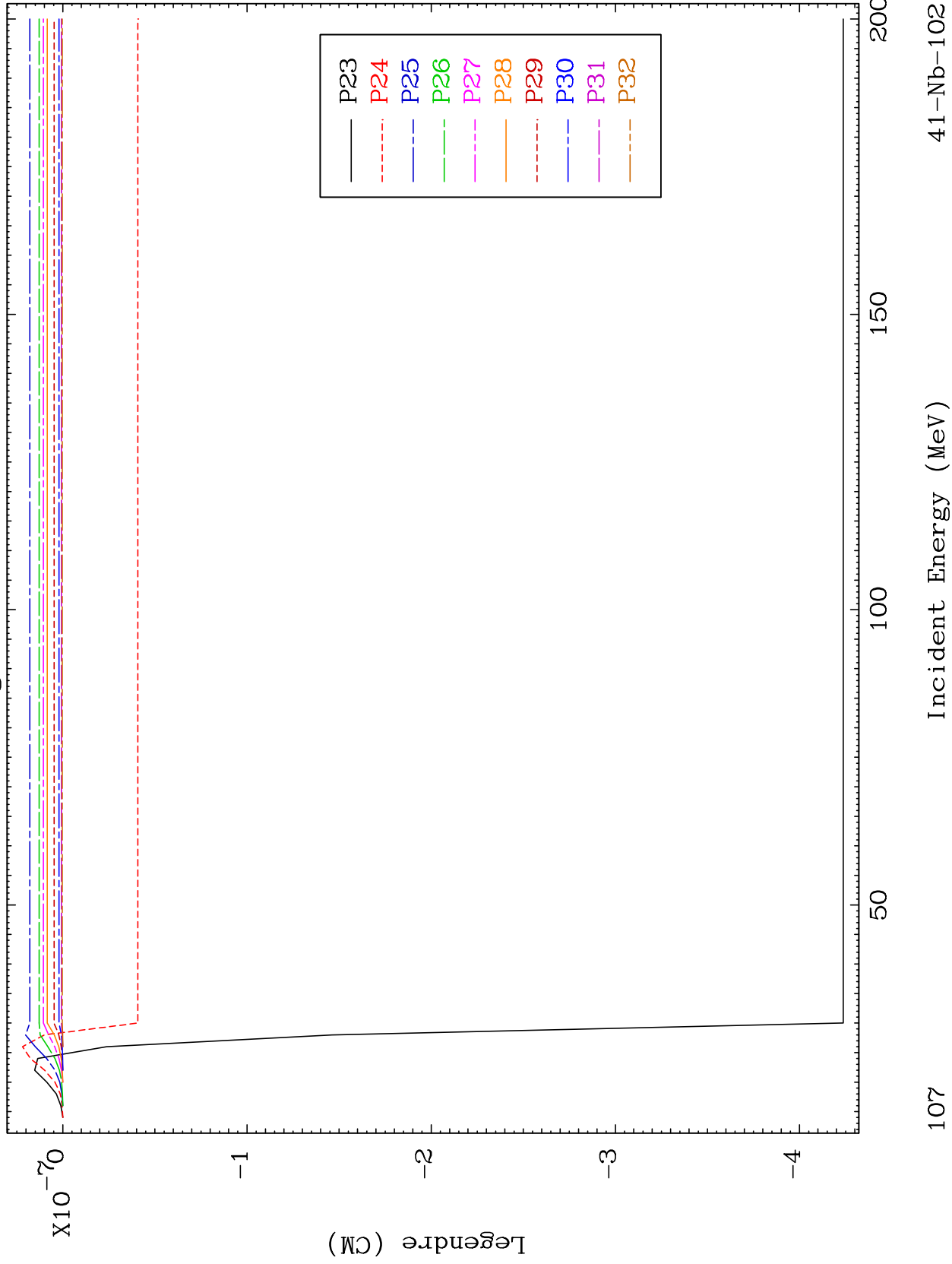
41-Nb-102



MAT 4152

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

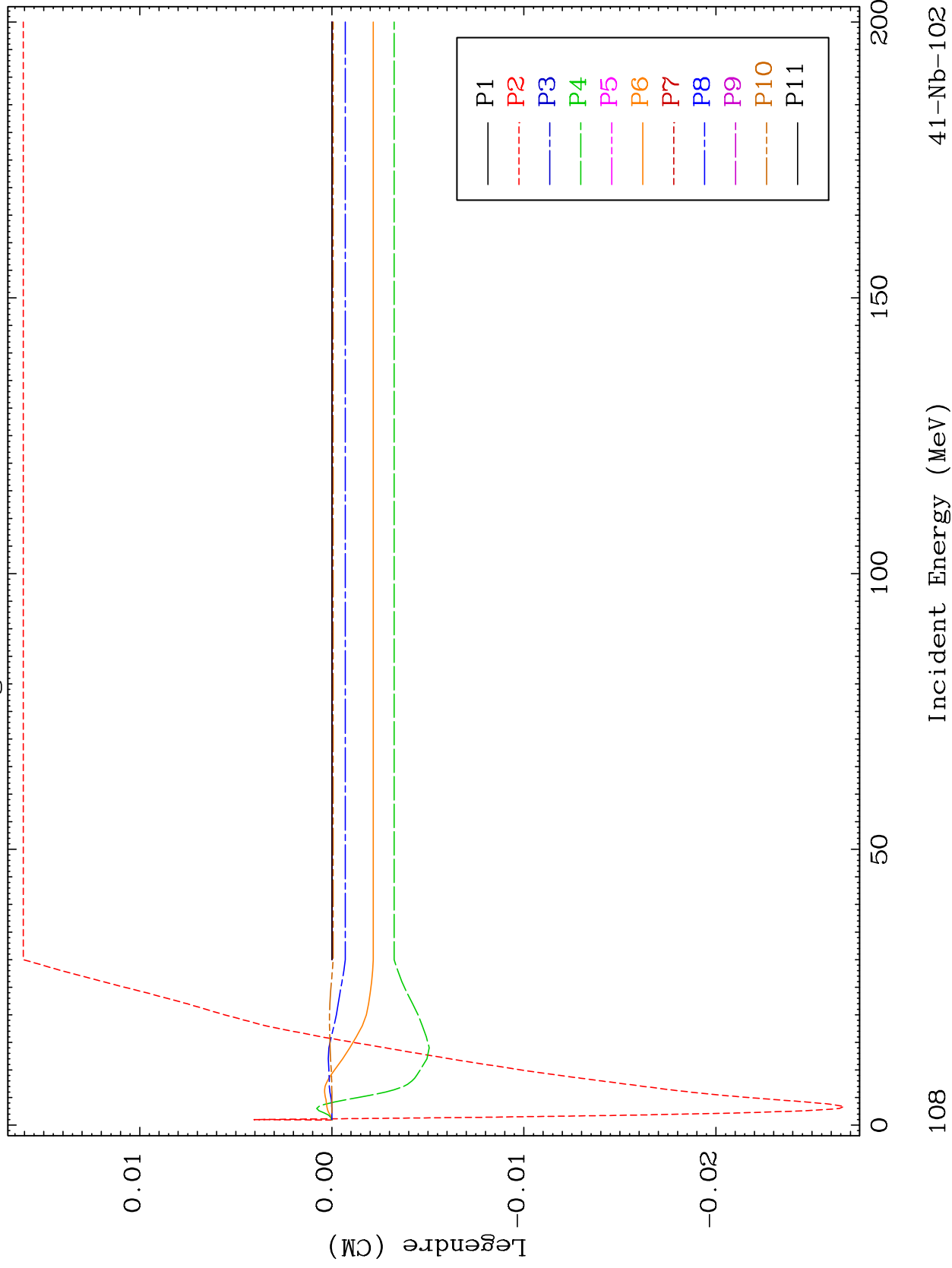
41-Nb-102



MAT 4152

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

41-Nb-102

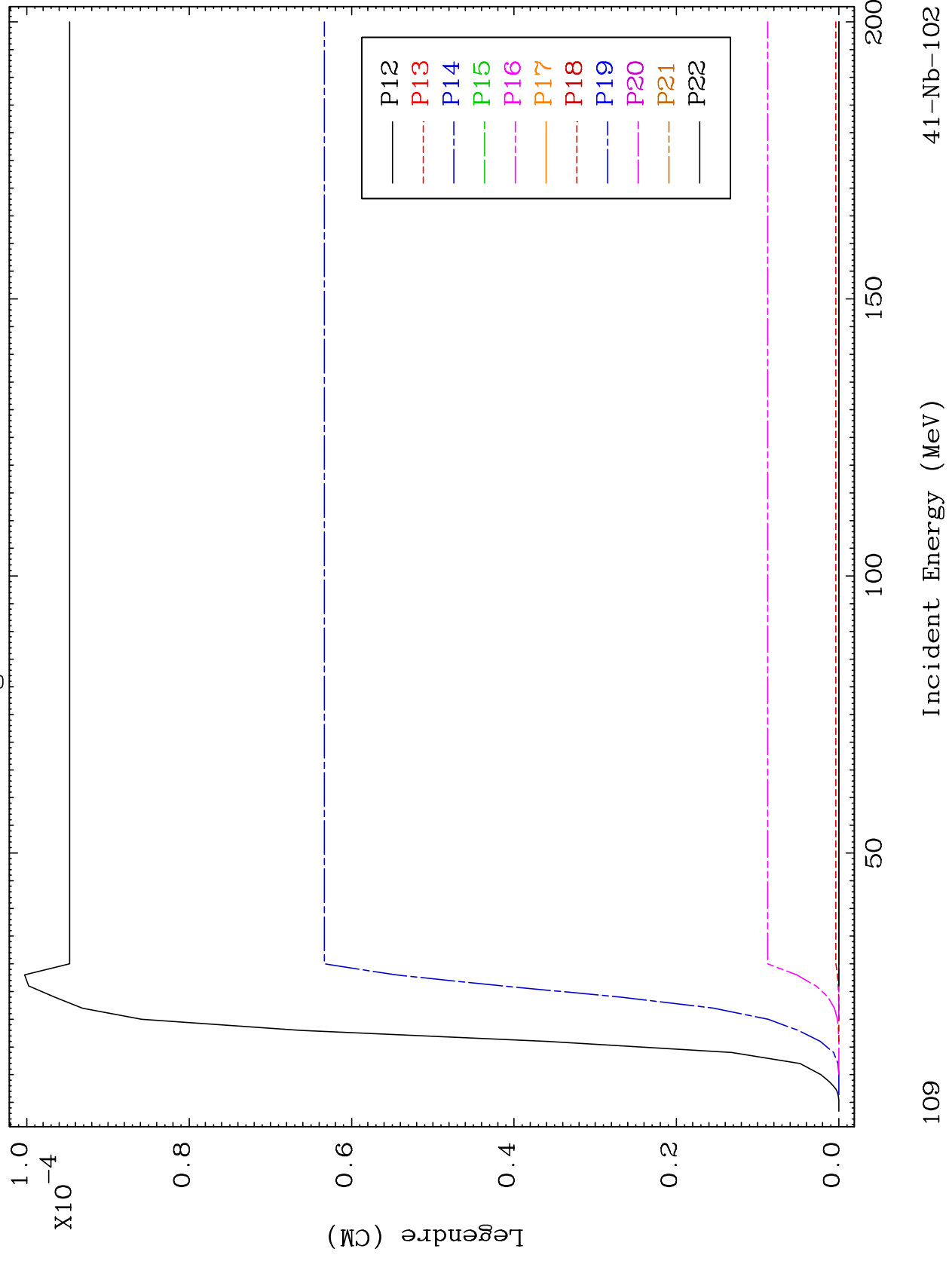


108

MAT 4152

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

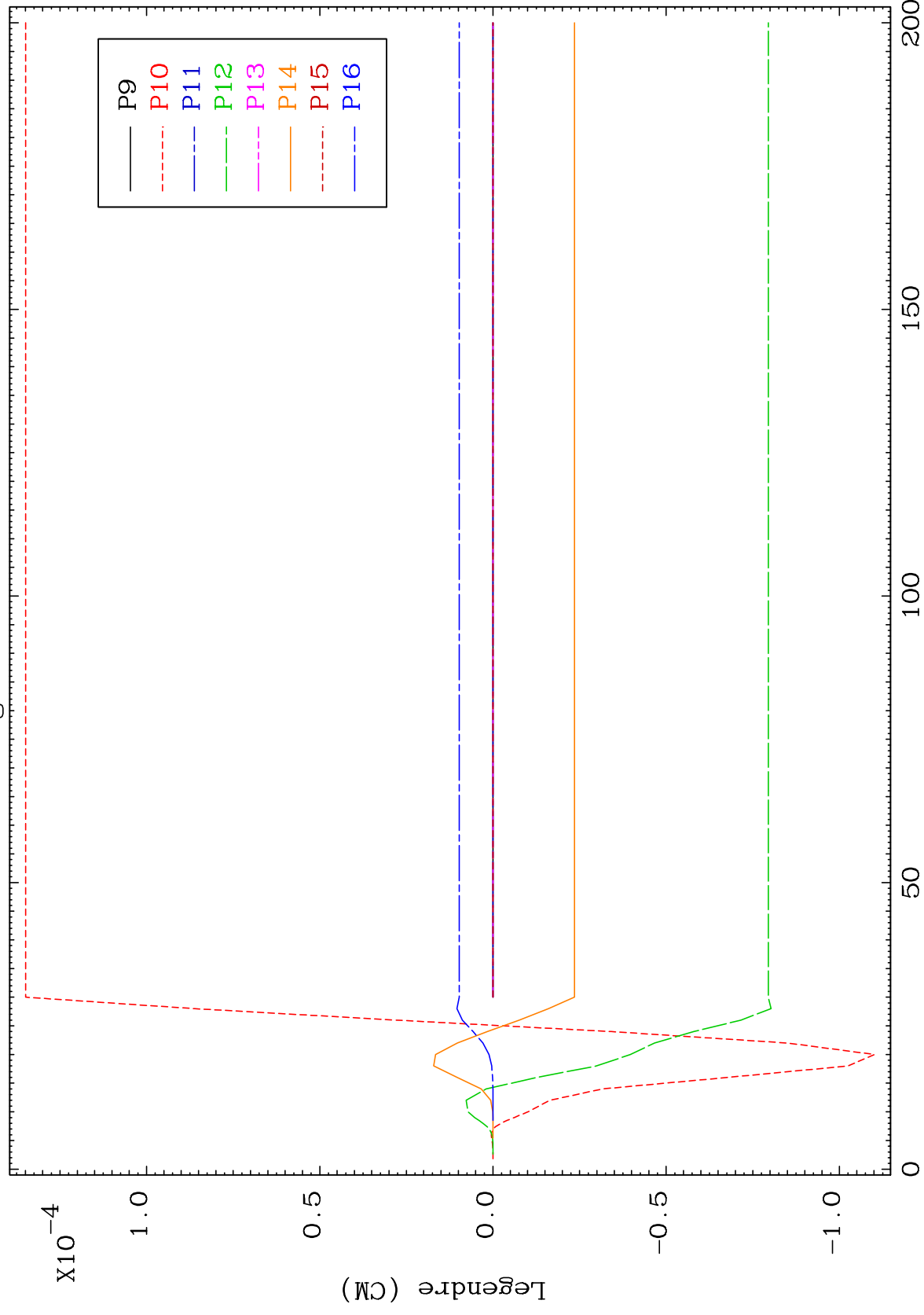
41-Nb-102



MAT 4152

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

41-Nb-102



111

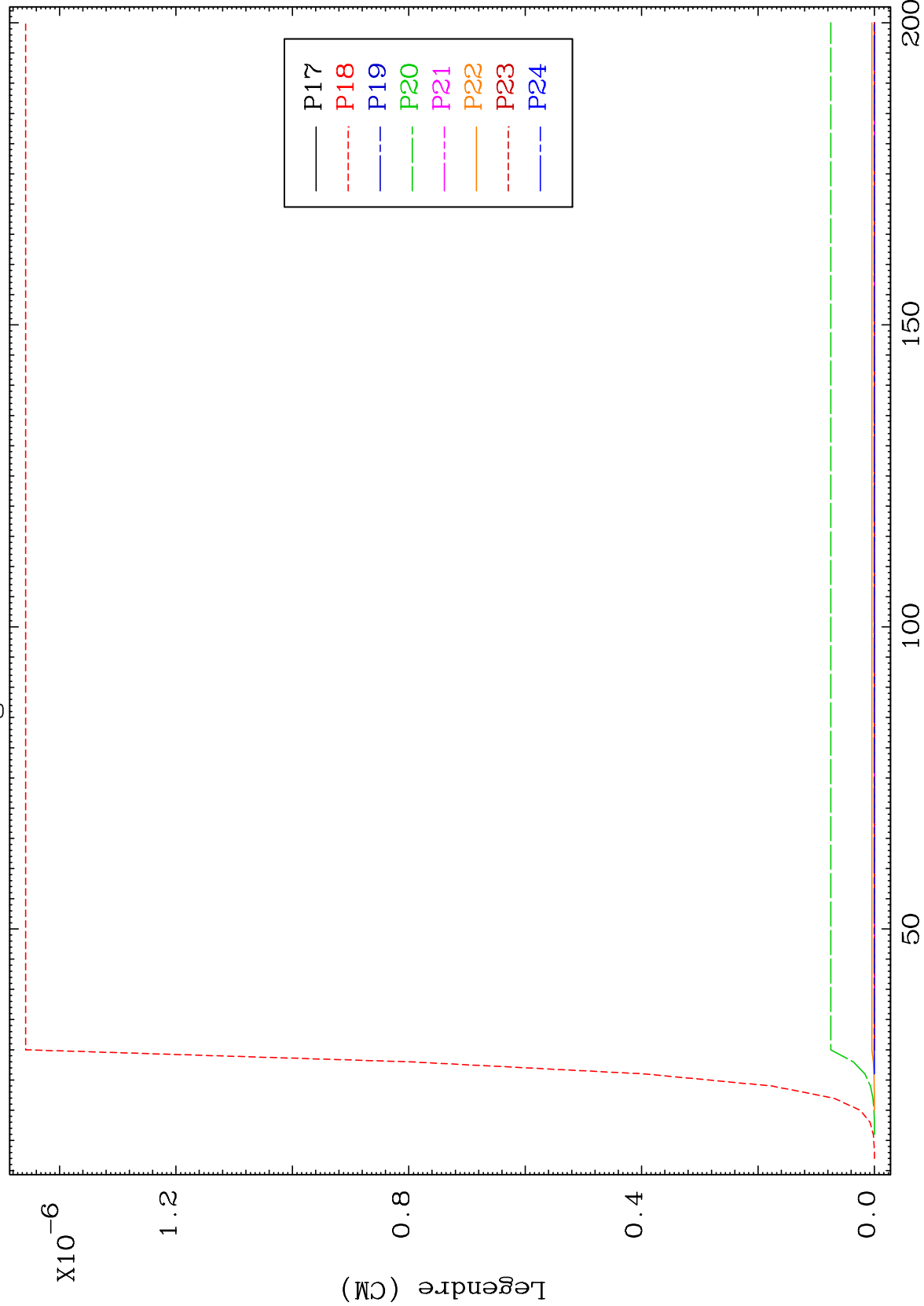
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

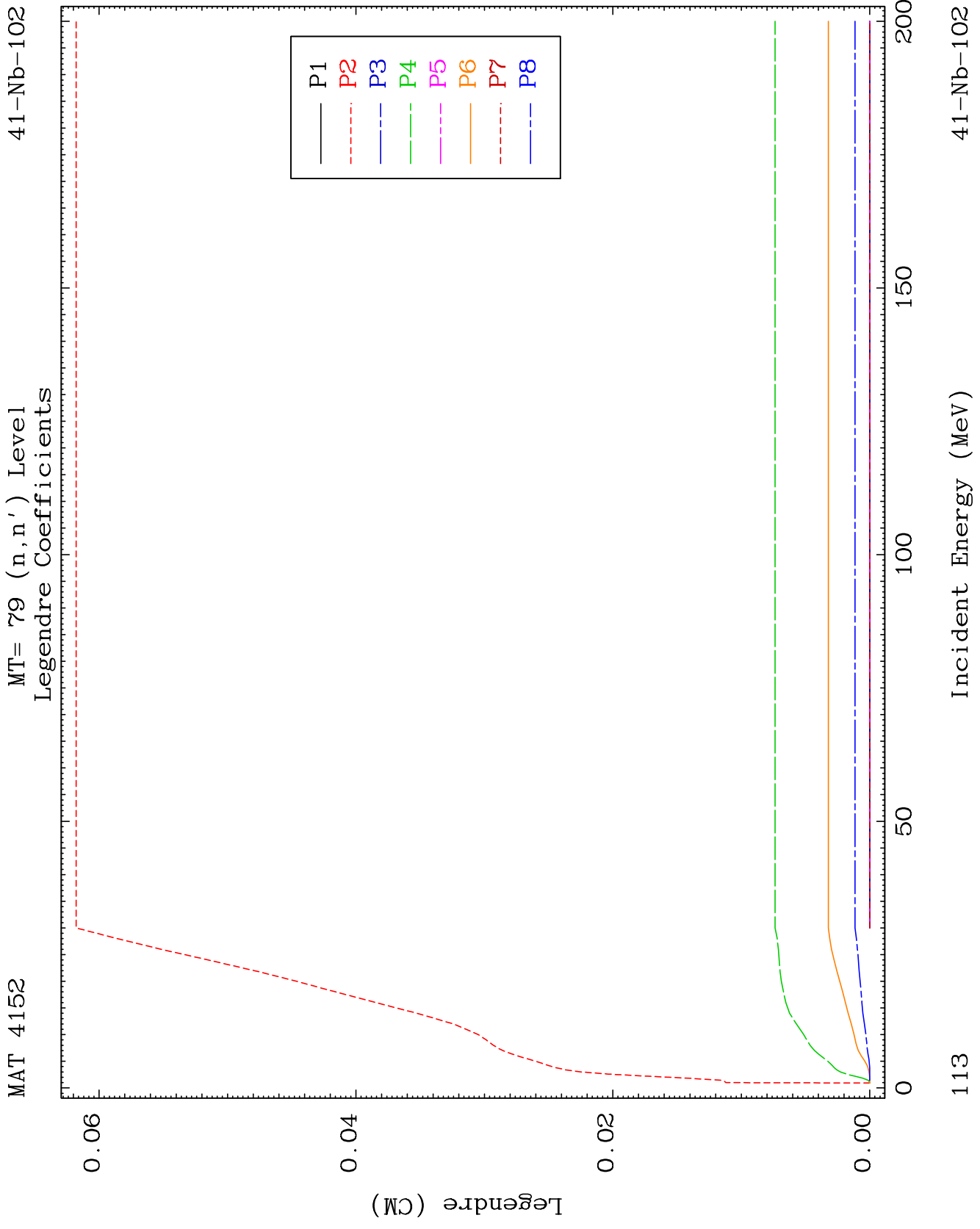
41-Nb-102



112

Incident Energy (MeV)

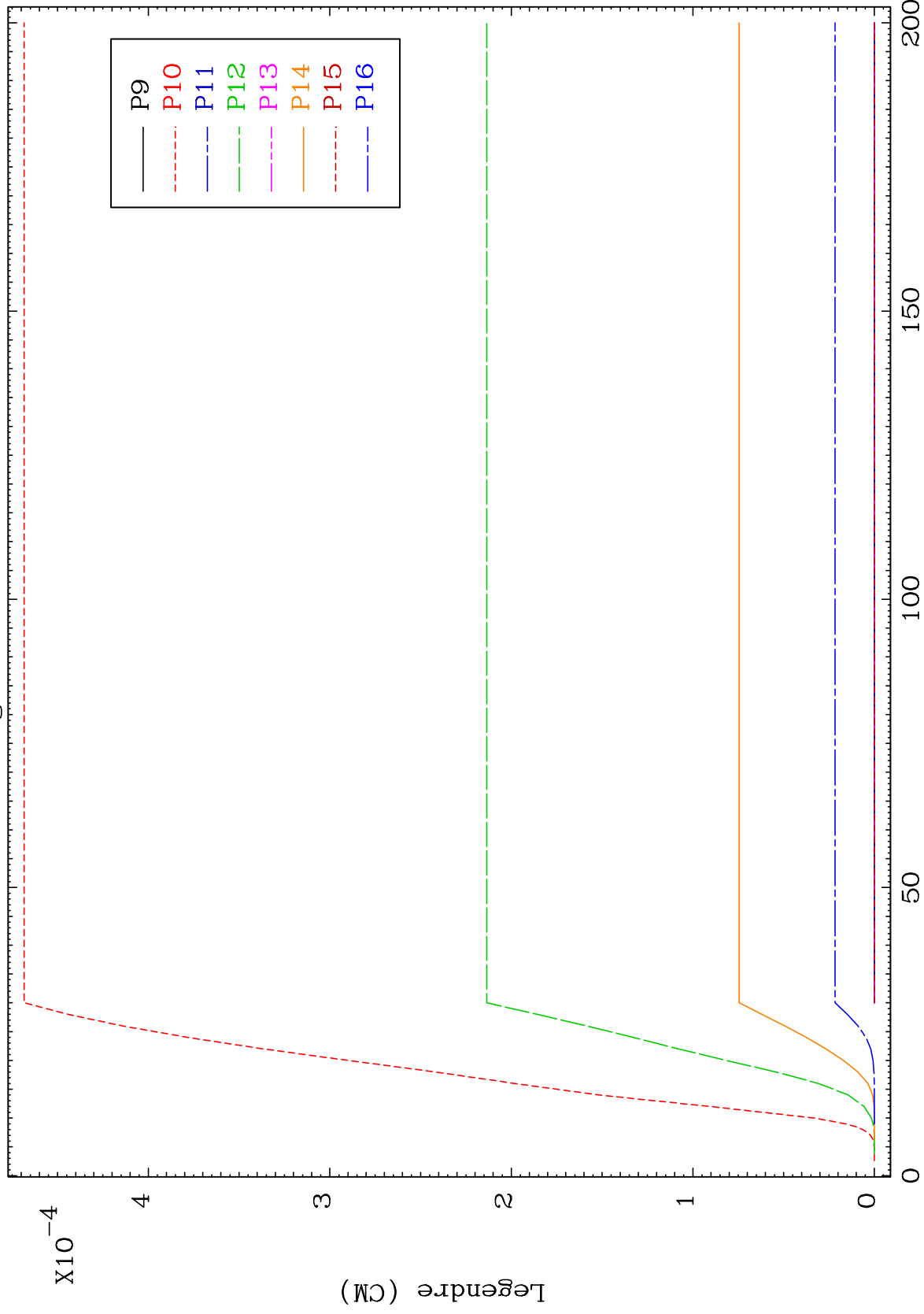
41-Nb-102



MAT 4152

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

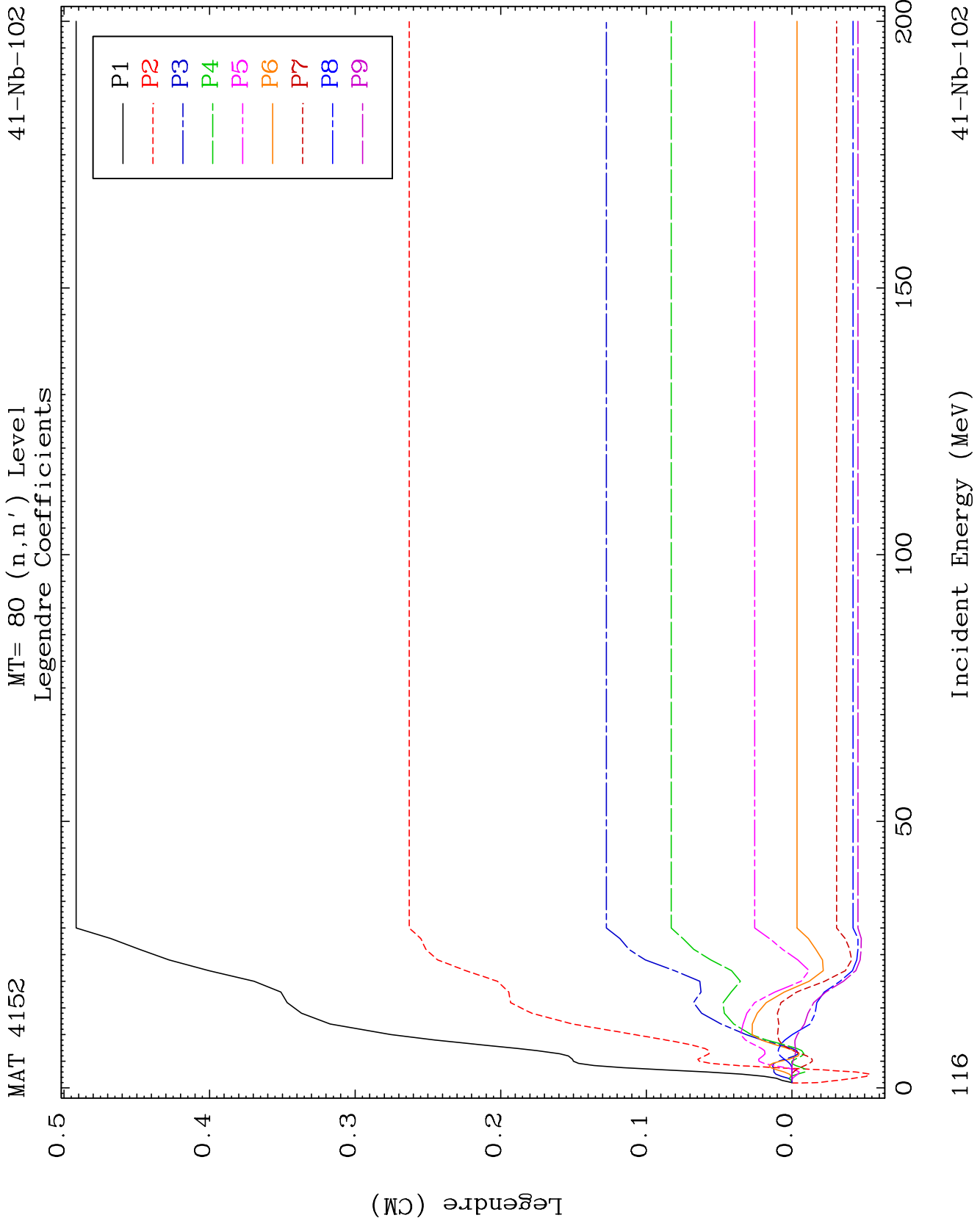
41-Nb-102



114

Incident Energy (MeV)

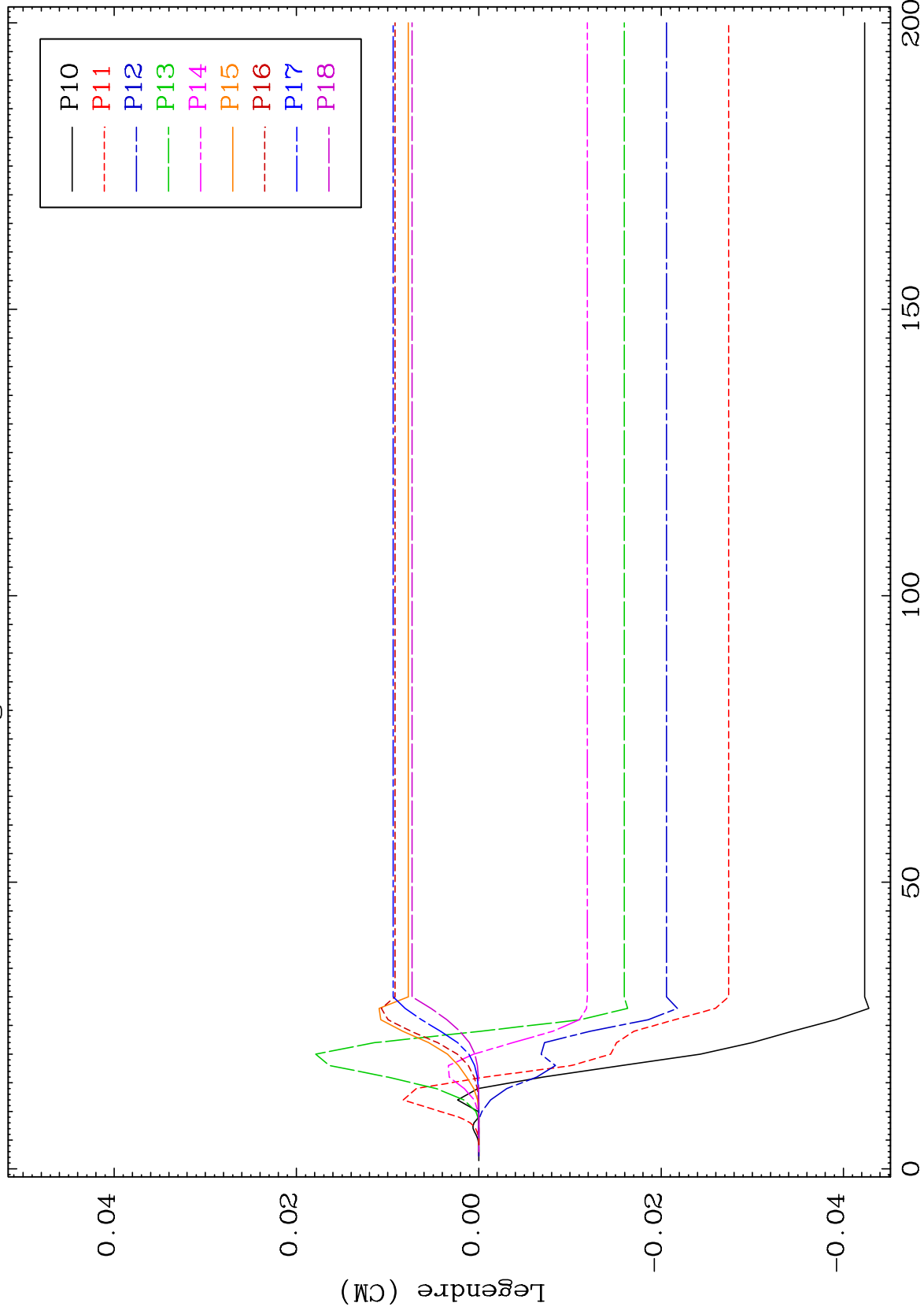
41-Nb-102



MAT 4152

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

41-Nb-102



117

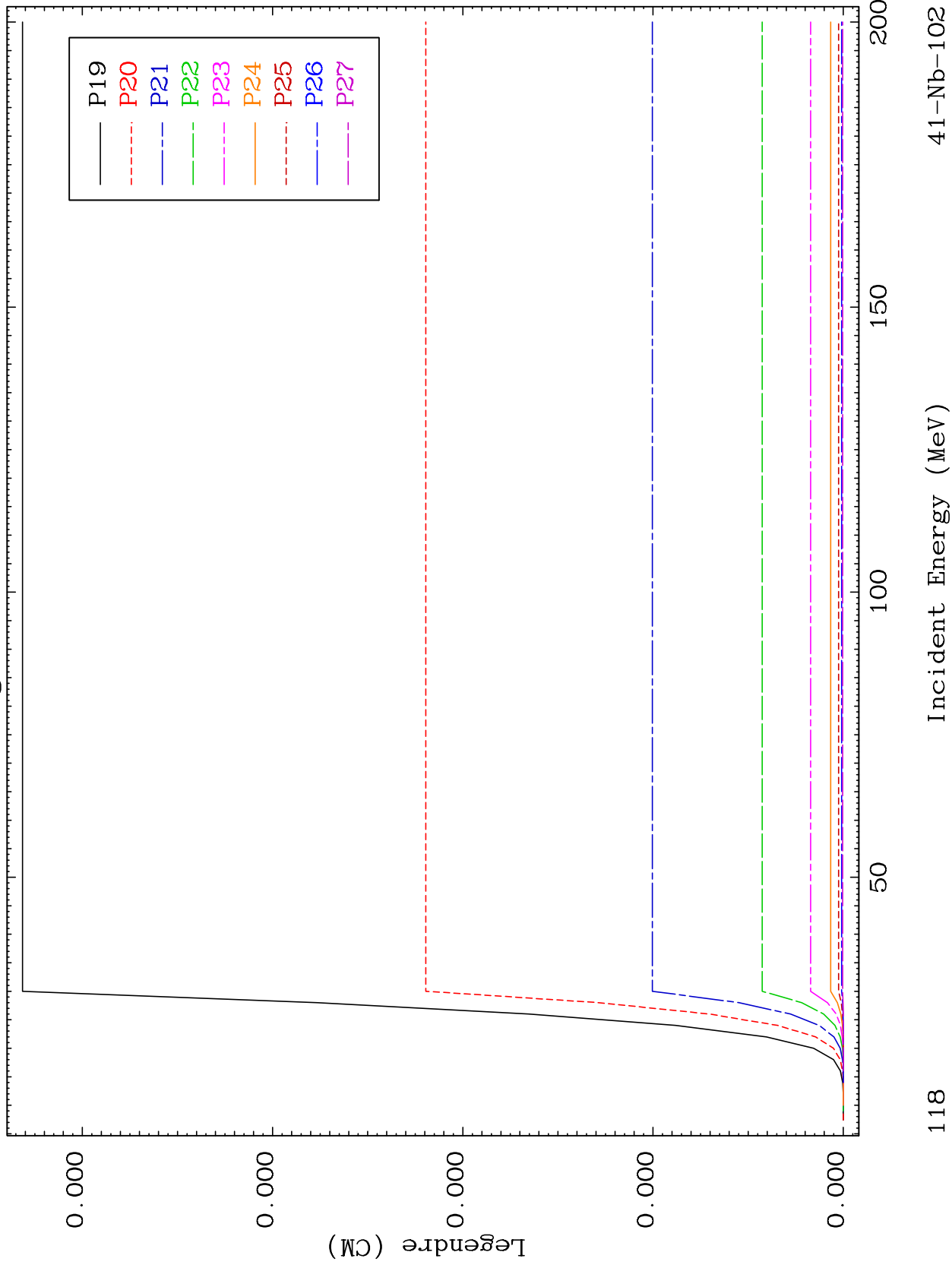
Incident Energy (MeV)

41-Nb-102

MAT 4152

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

41-Nb-102

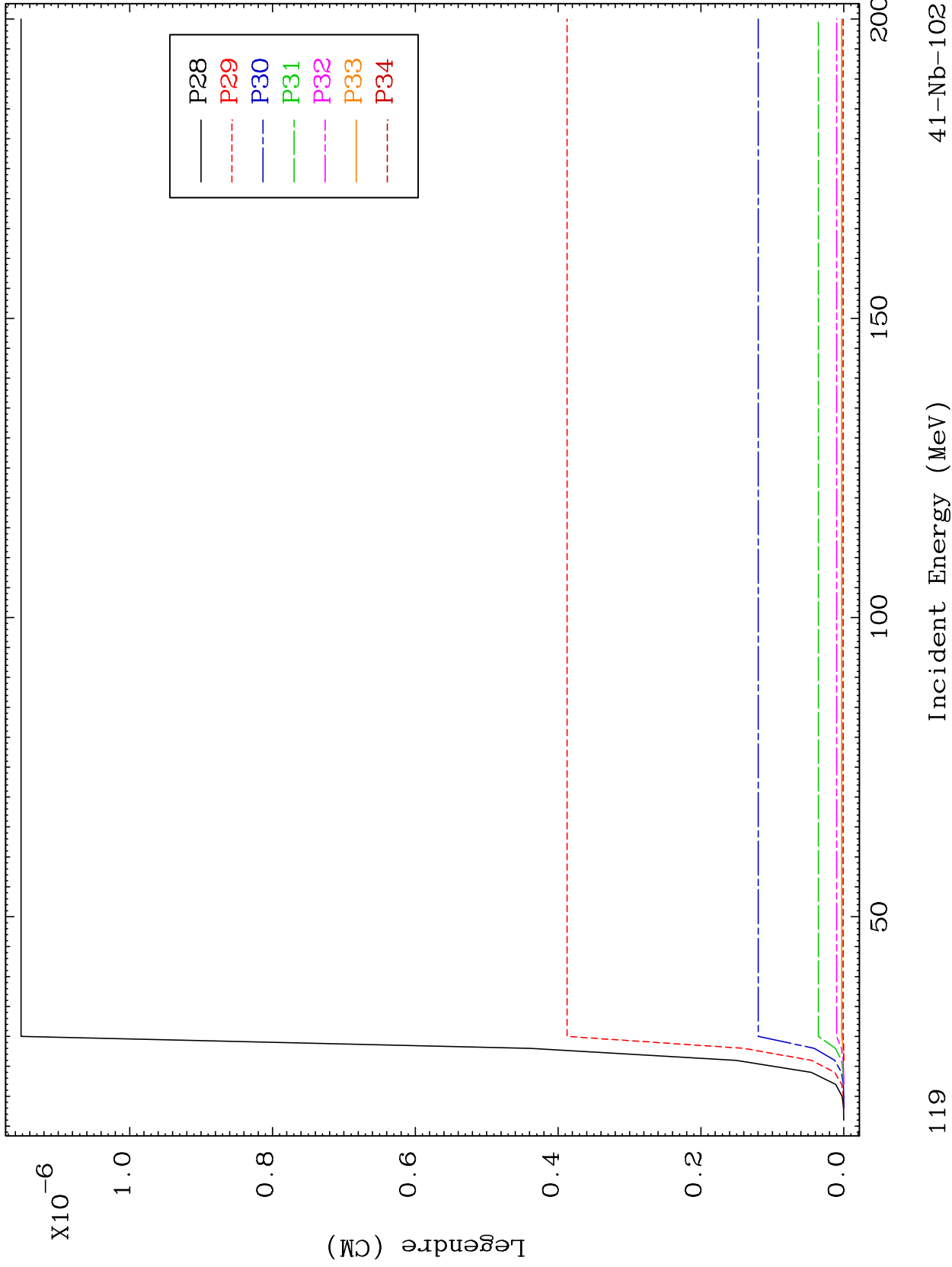


118

MAT 4152

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

41-Nb-102

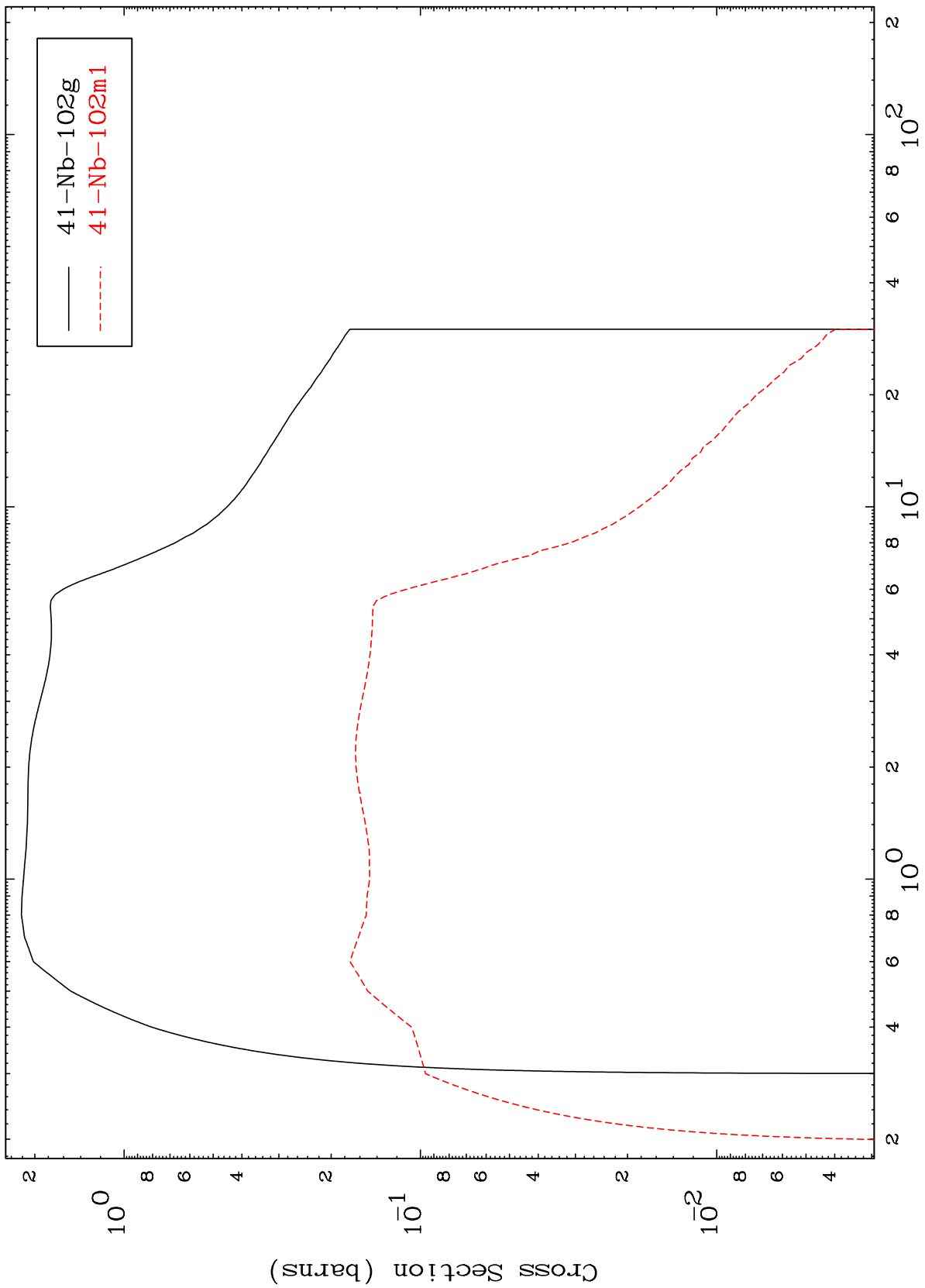


119

MAT 4152

41-Nb-102

Inelastic
Radionuclide Production Cross Section



120

41-Nb-102

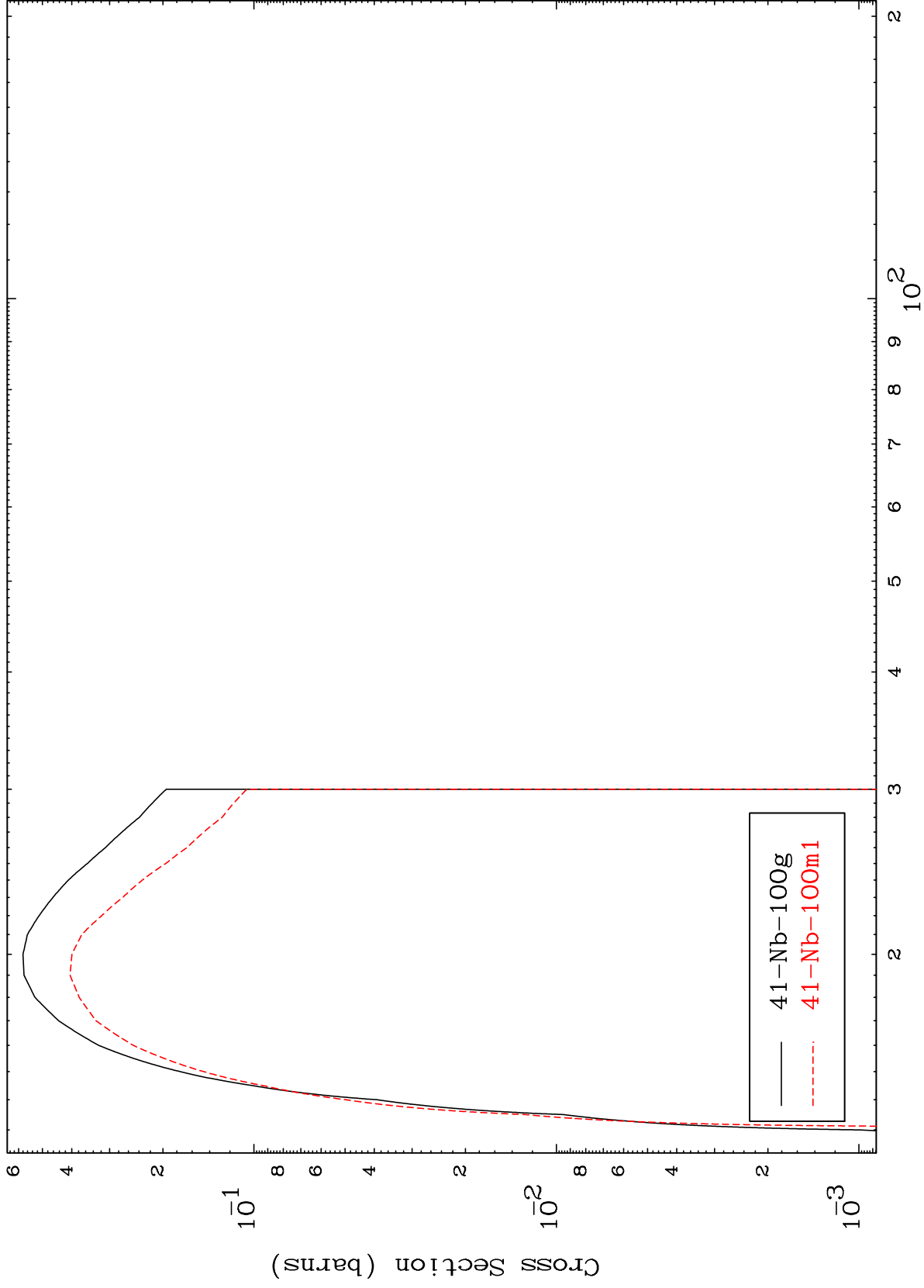
Incident Energy (MeV)

MAT 4152

(n,3n)

41-Nb-102

Radionuclide Production Cross Section



121

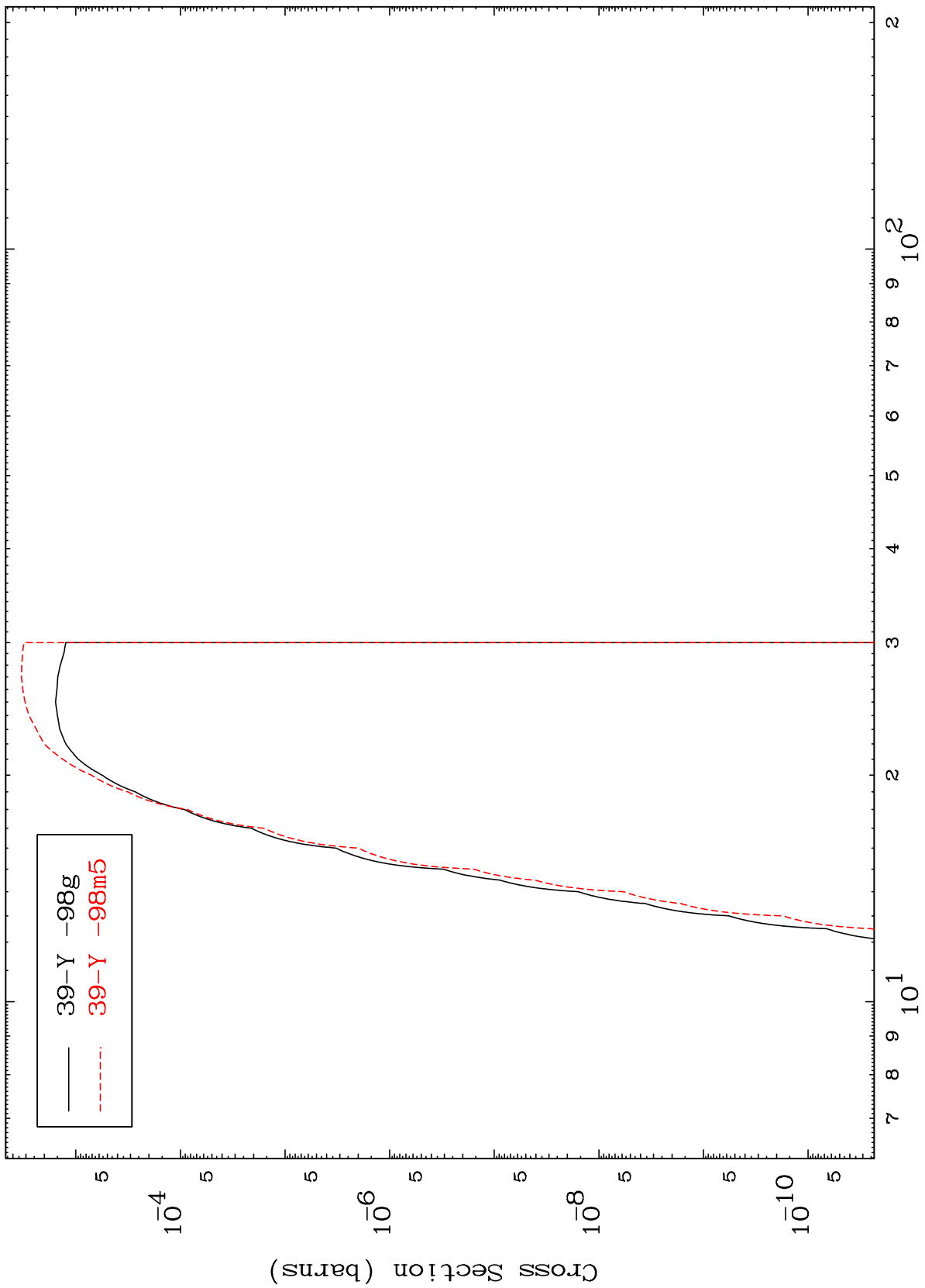
Incident Energy (MeV)

41-Nb-102

MAT 4152

41-Nb-102

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

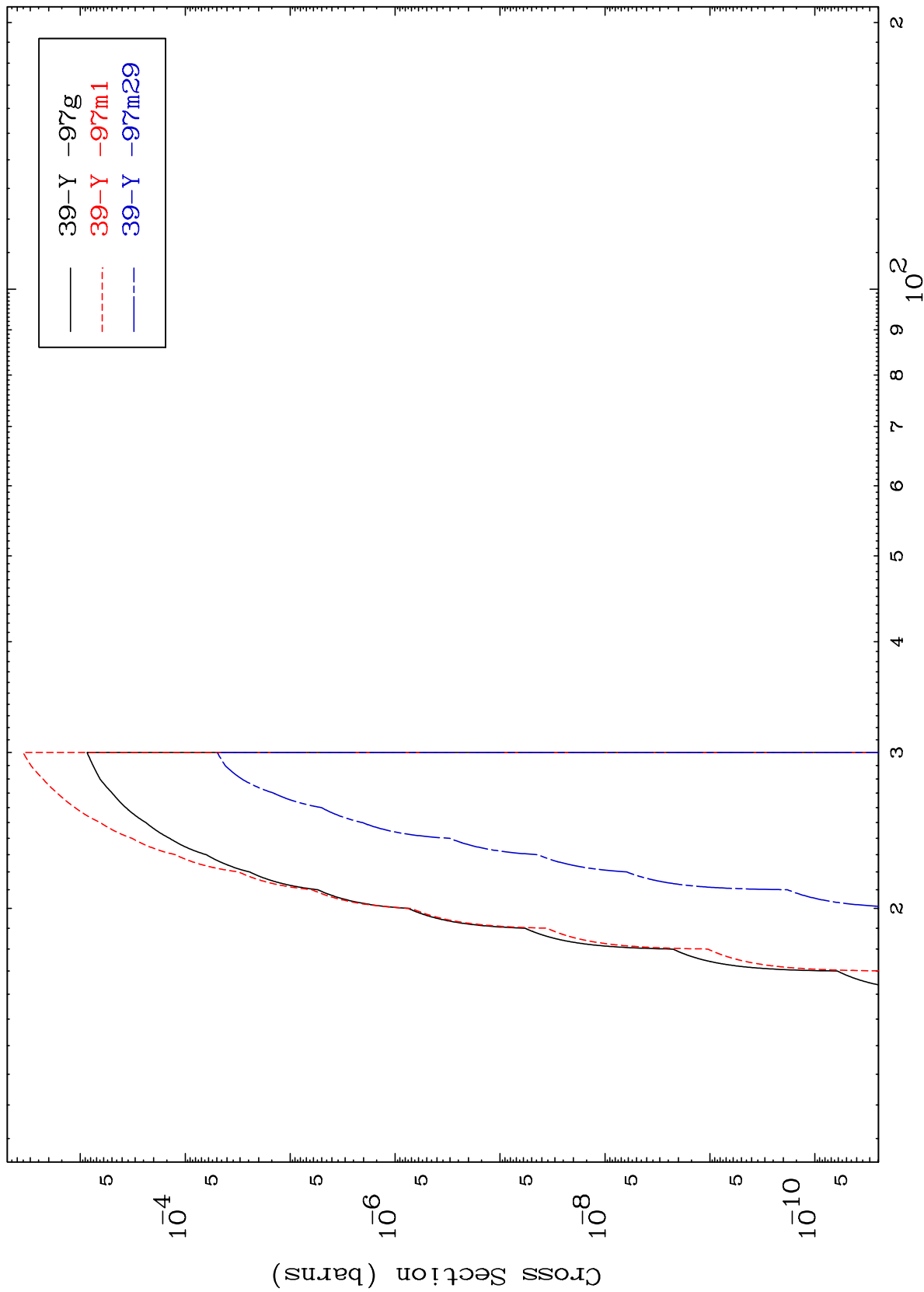


122

Incident Energy (MeV)

41-Nb-102

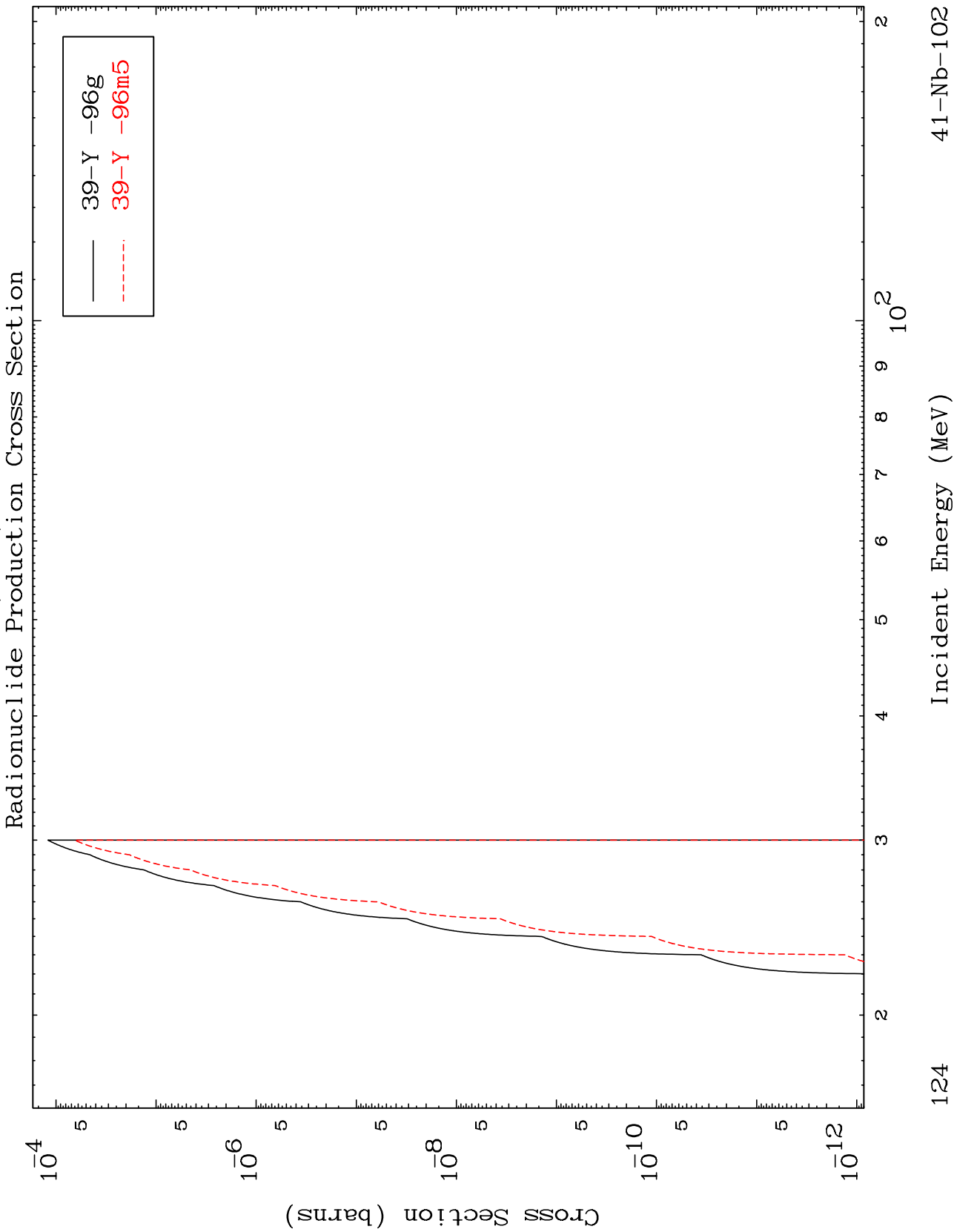
Radionuclide Production Cross Section



MAT 4152

(n,3n) α

41-Nb-102



124

Incident Energy (MeV)

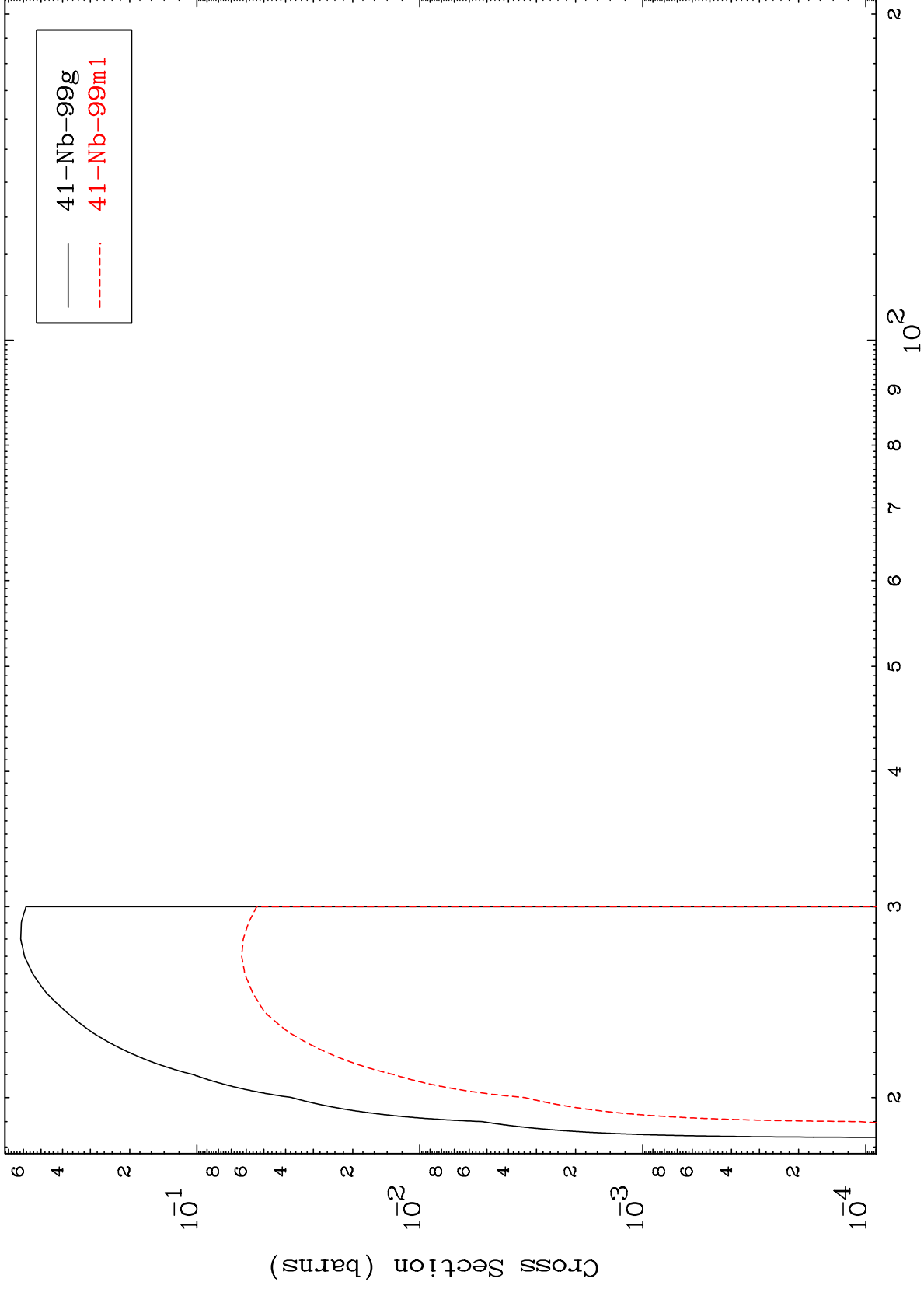
41-Nb-102

MAT 4152

(n,4n)

41-Nb-102

Radionuclide Production Cross Section



125

Incident Energy (MeV)

41-Nb-102

Radionuclide Production Cross Section

