

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

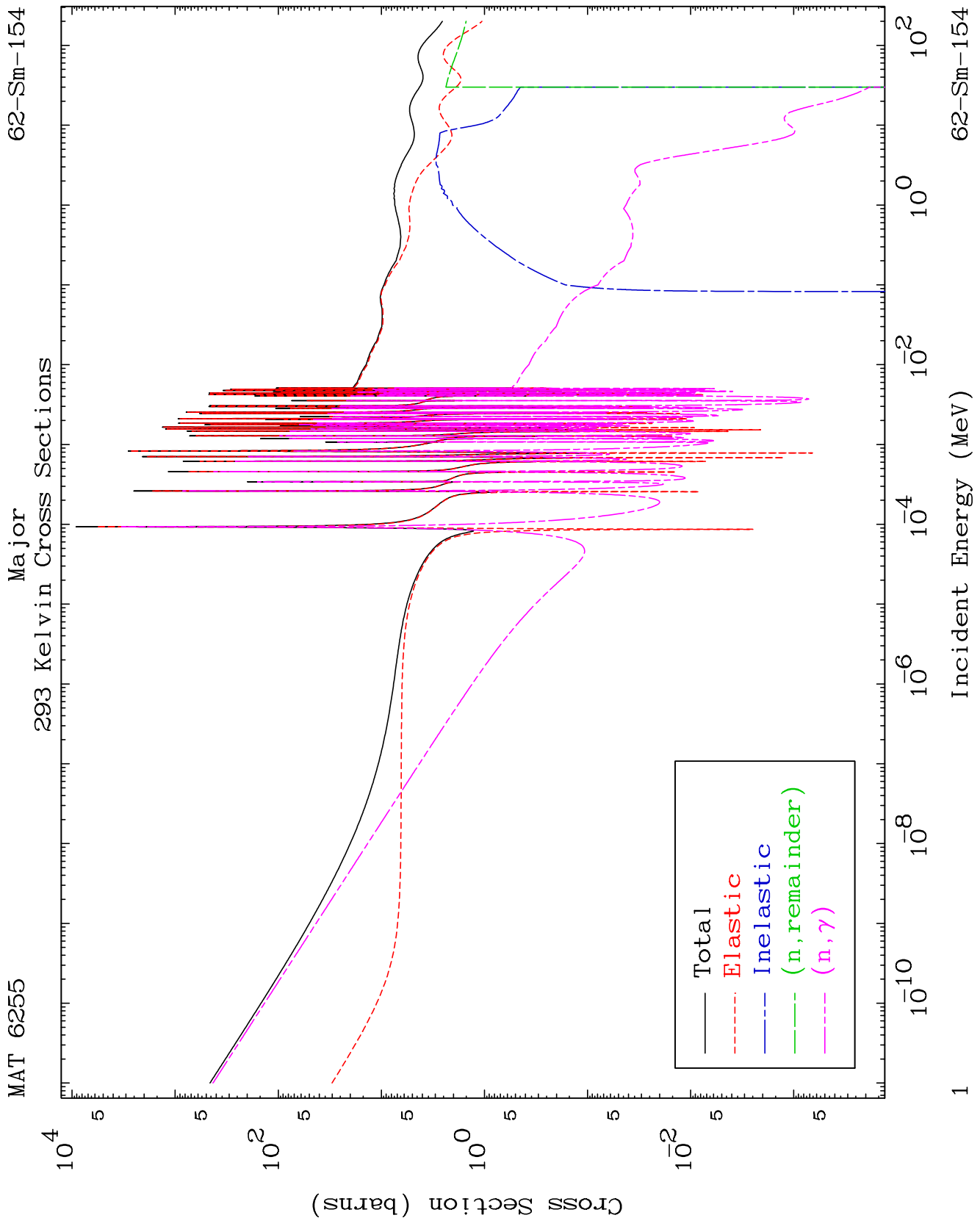
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Livermore, CA 94550
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Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

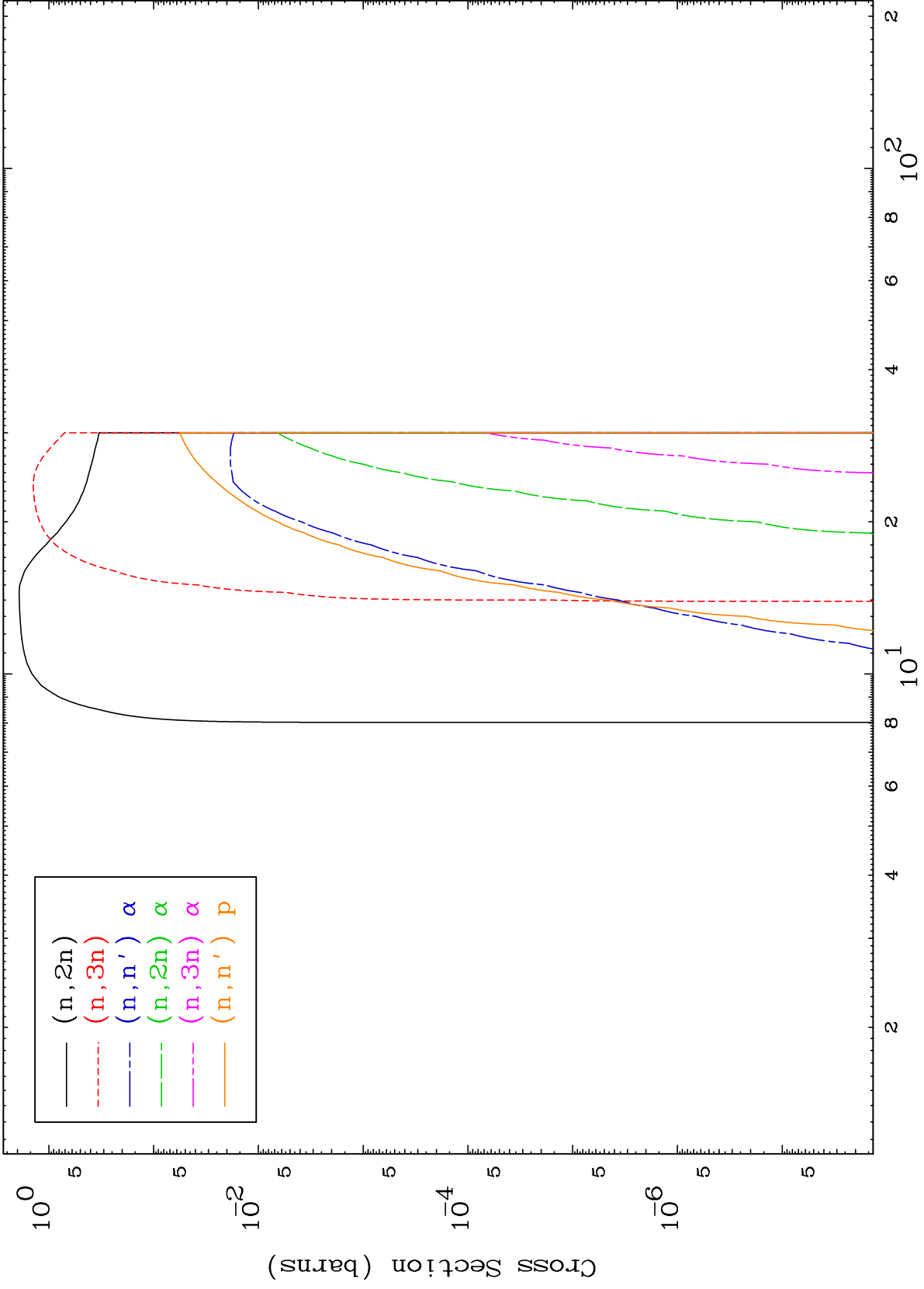
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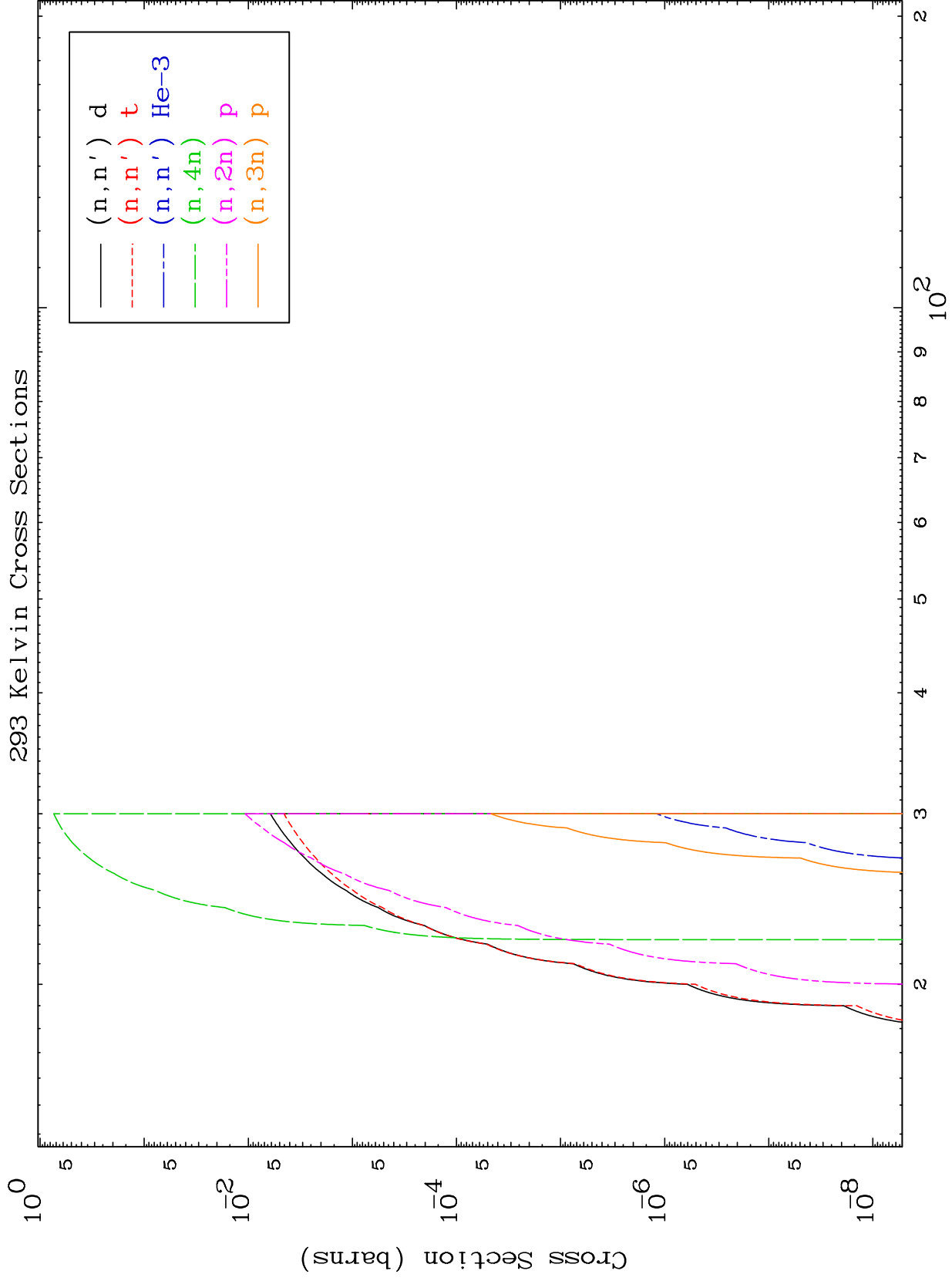


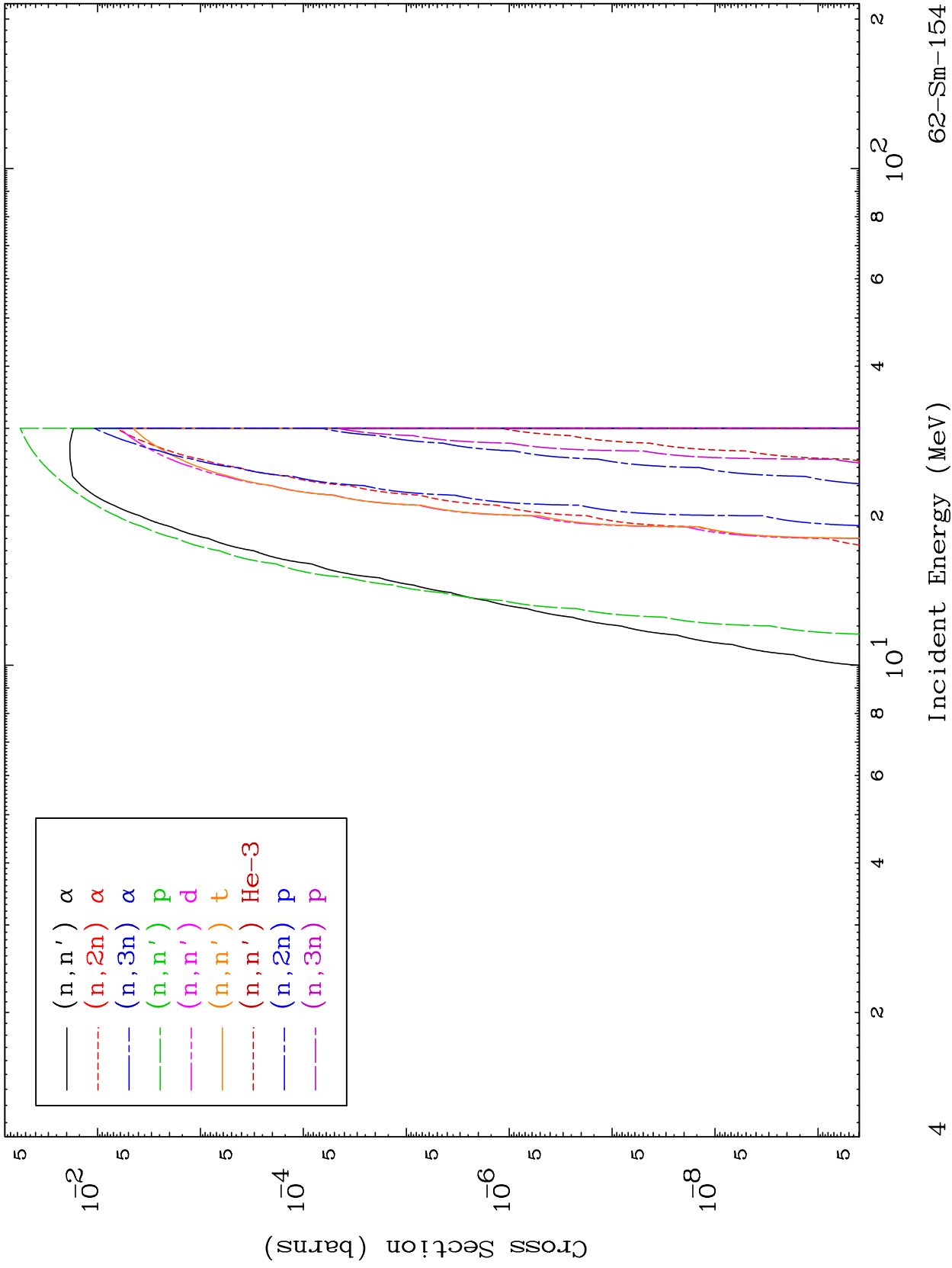
MAT 6255

Neutron Production
293 Kelvin Cross Sections

62-Sm-154



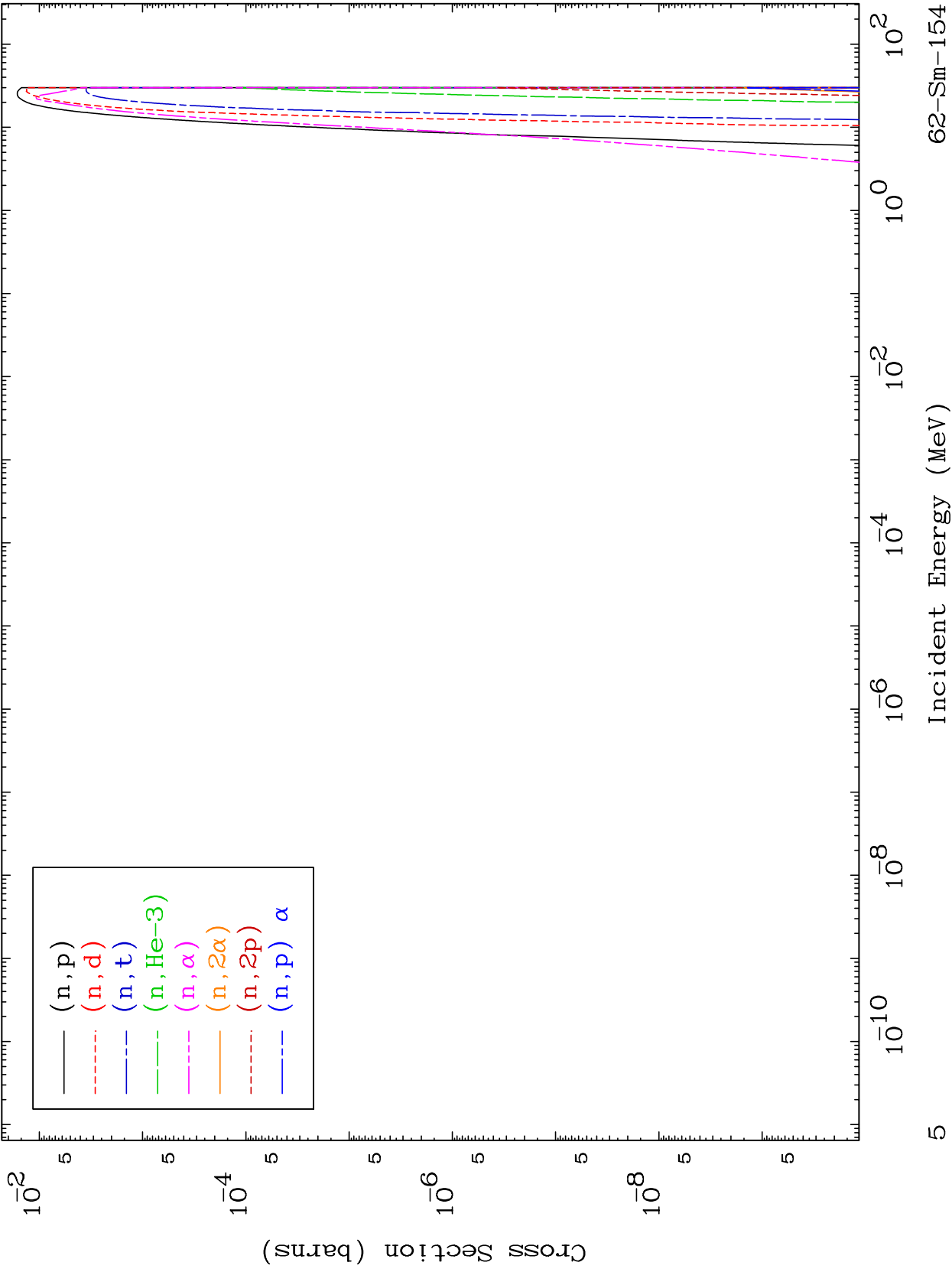




MAT 6255

Charged Particle
293 Kelvin Cross Sections

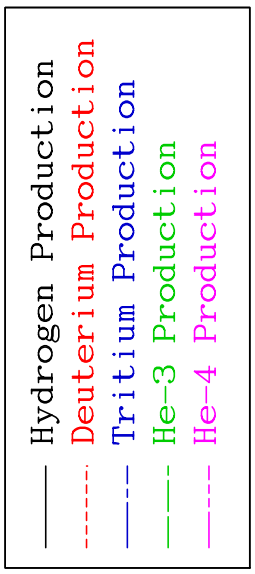
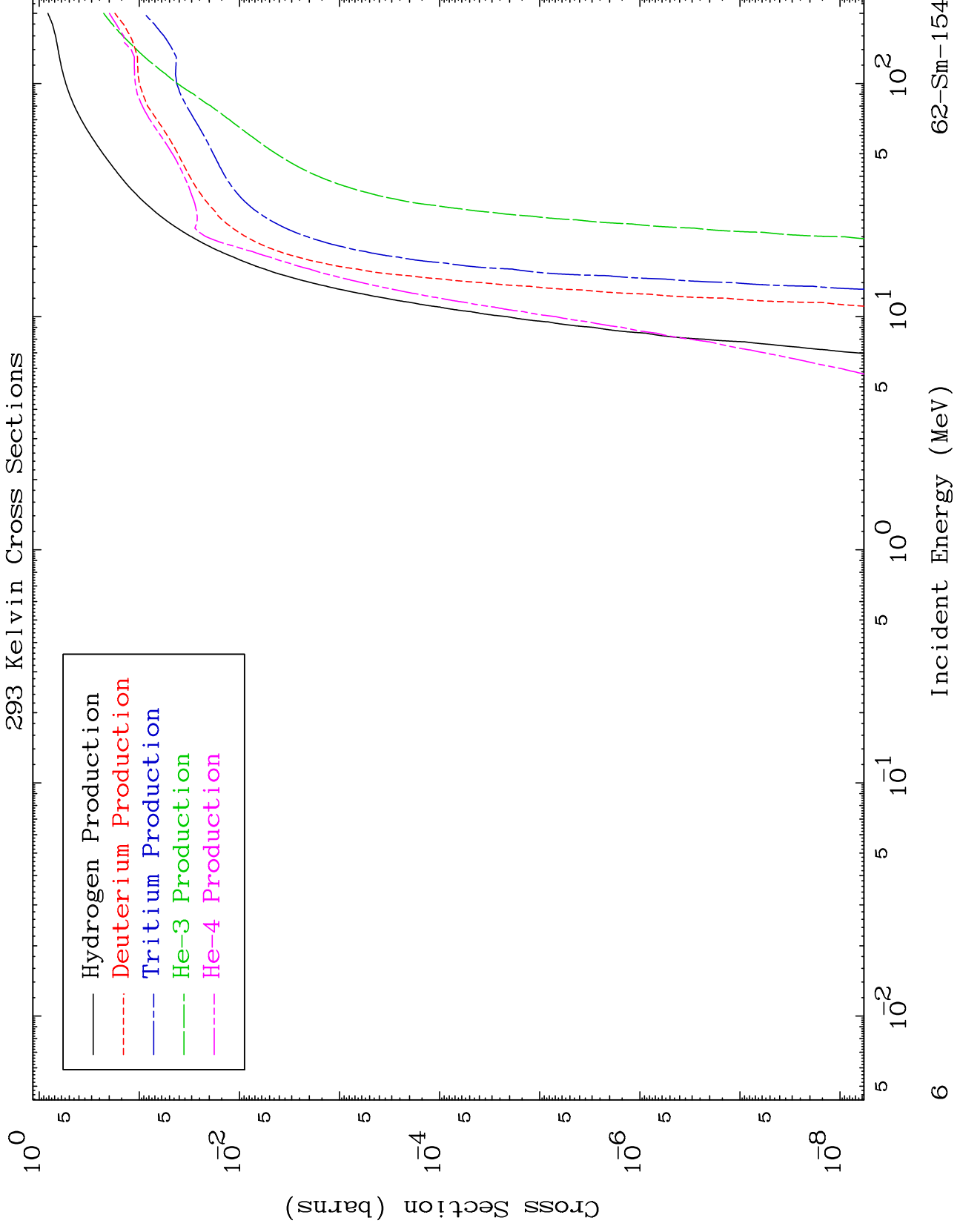
62-Sm-154



MAT 6255

Particle Production
293 Kelvin Cross Sections

62-Sm-154



62-Sm-154

Incident Energy (MeV)

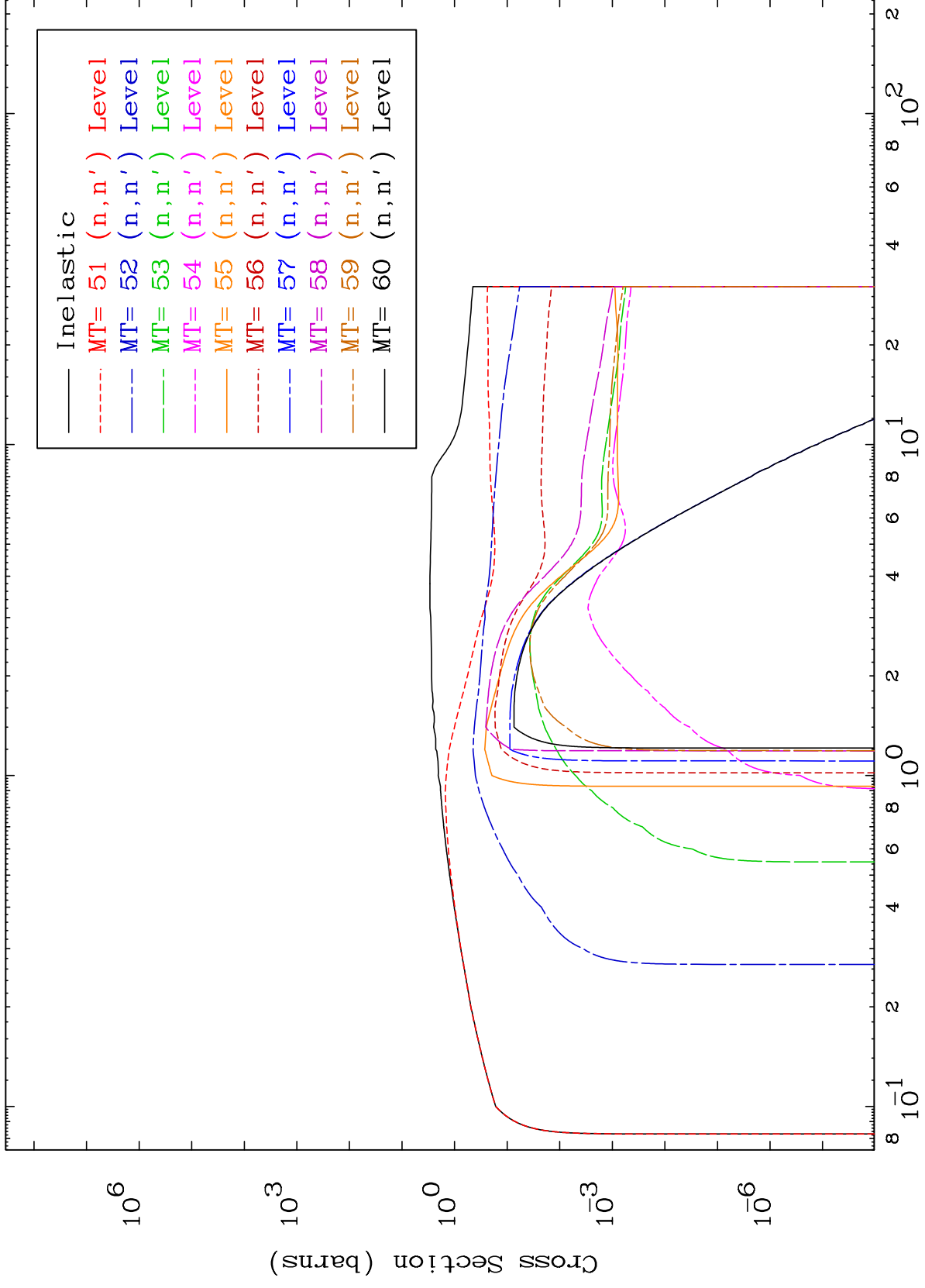
6

MAT 6255

(n,n') Level

62-Sm-154

293 Kelvin Cross Sections



Incident Energy (MeV)

62-Sm-154

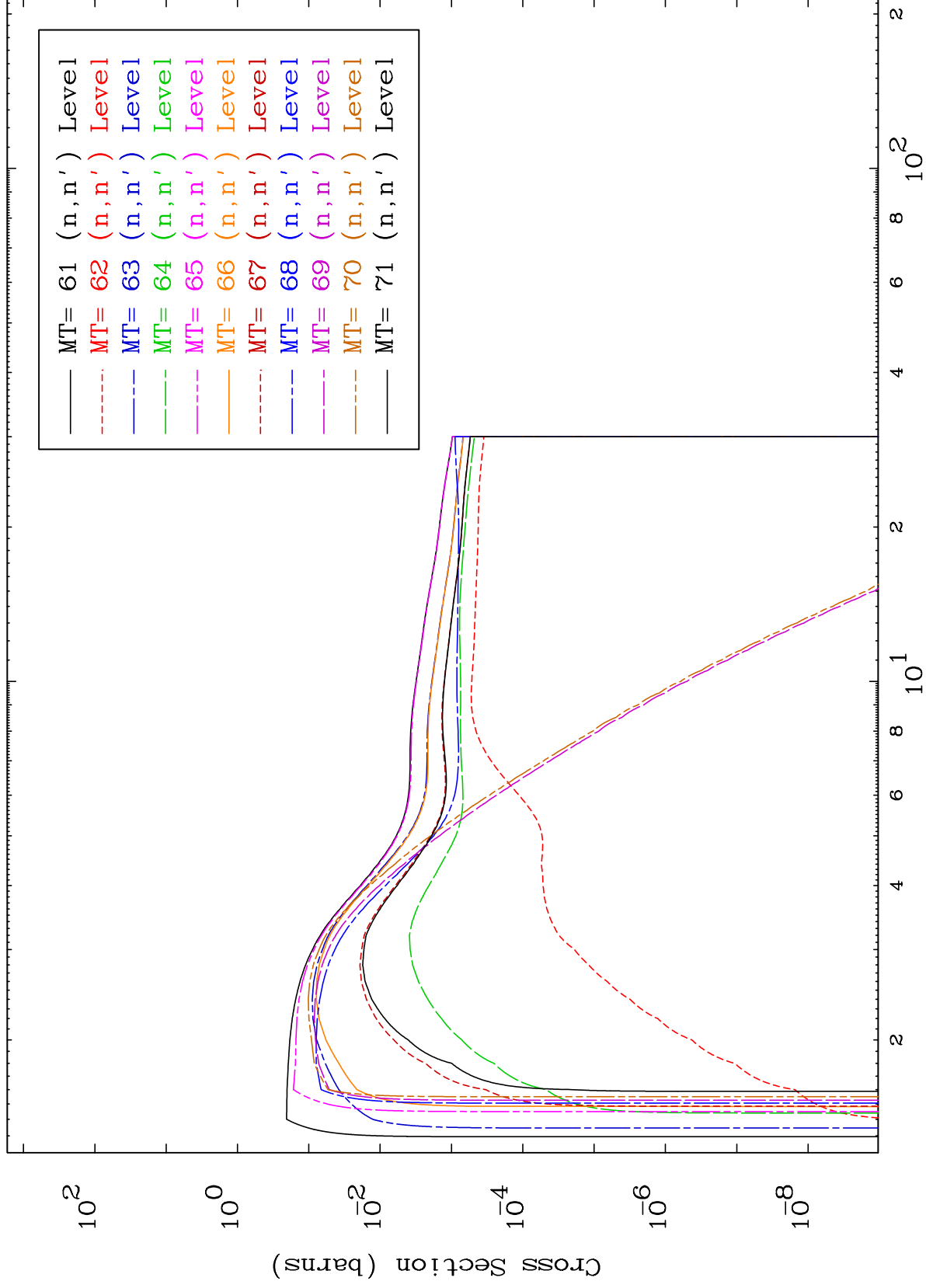
7

MAT 6255

(n,n') Level

293 Kelvin Cross Sections

62-Sm-154



8

Incident Energy (MeV)

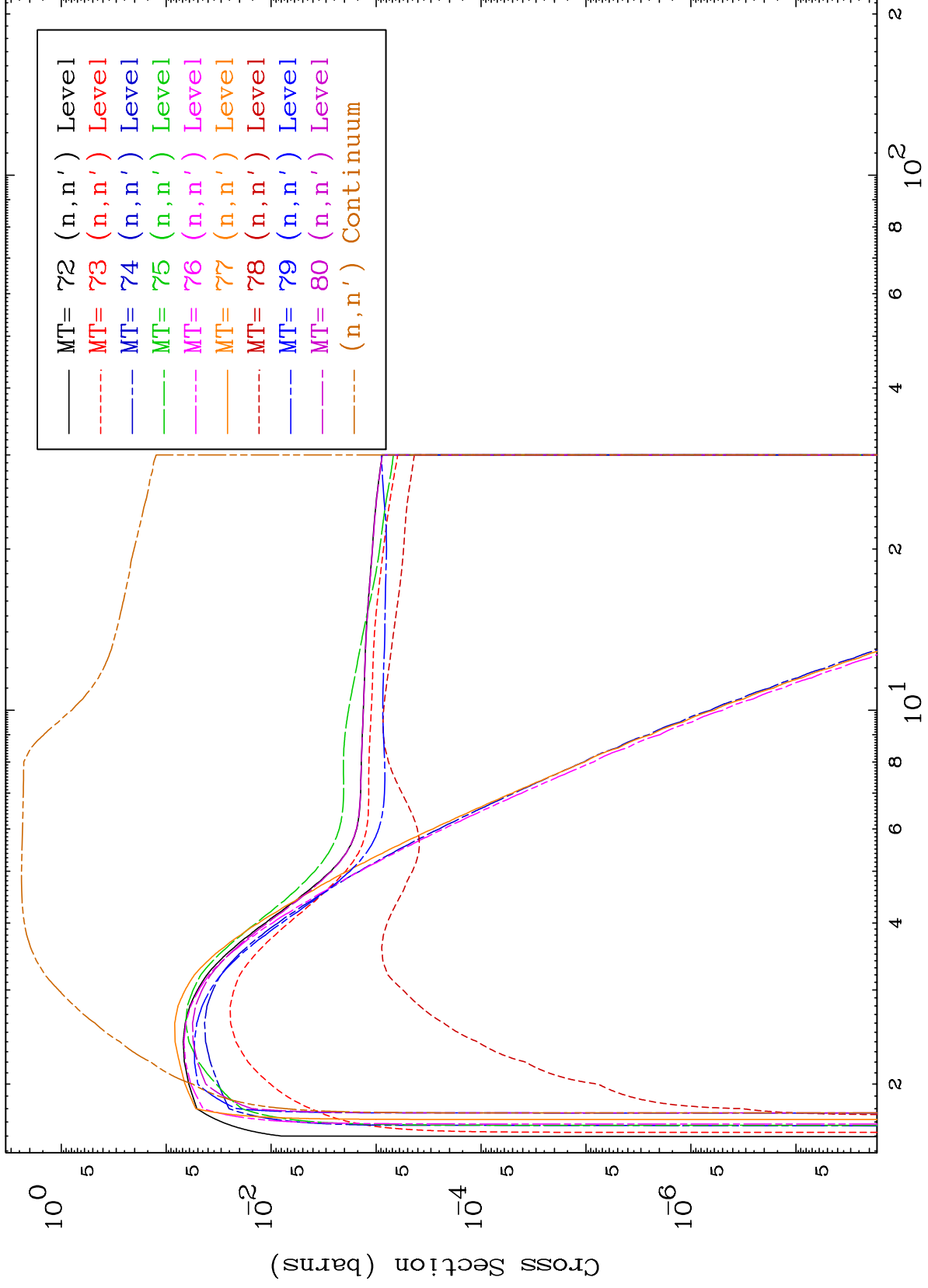
62-Sm-154

MAT 6255

(n,n') Level

62-Sm-154

293 Kelvin Cross Sections



9

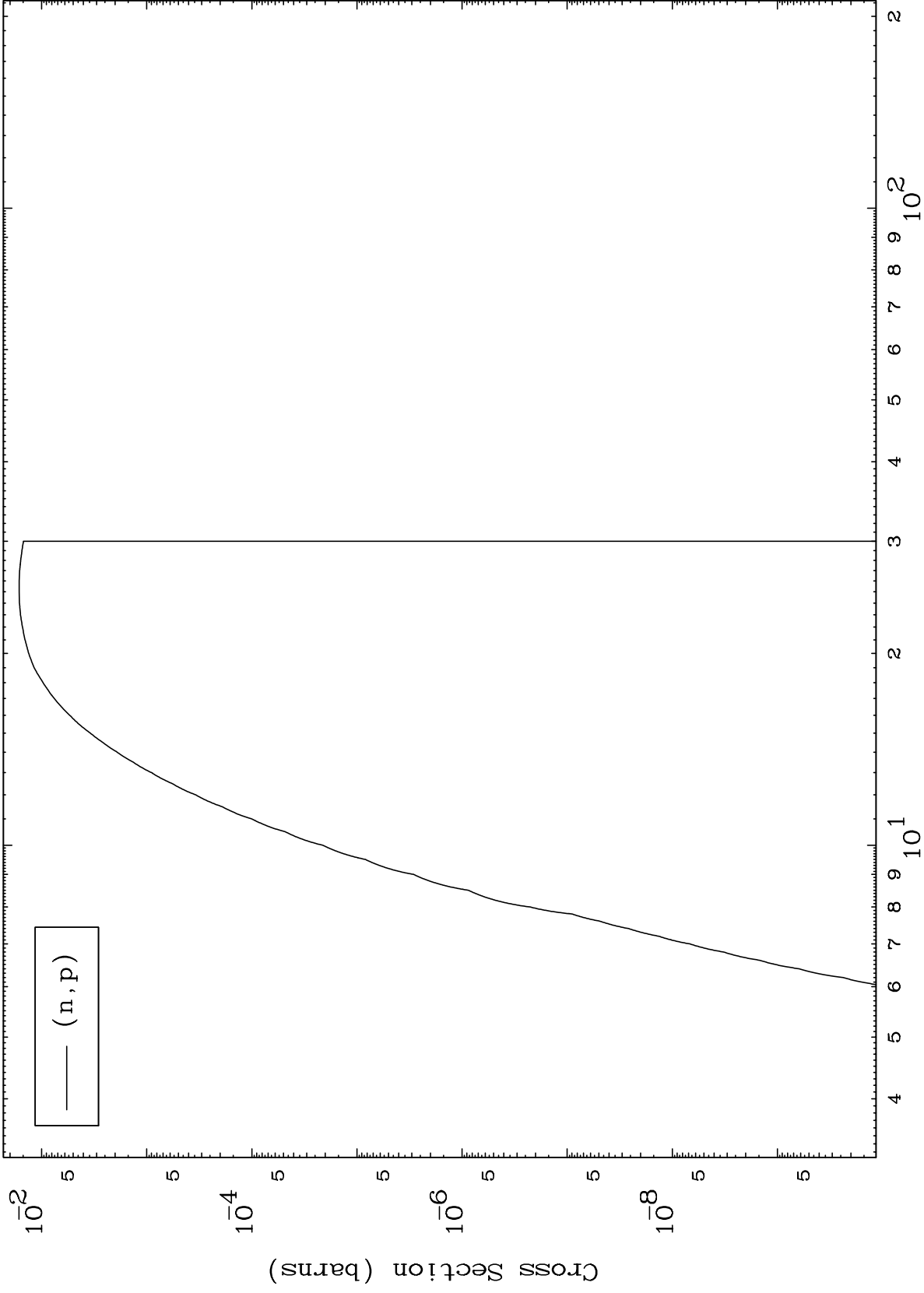
Incident Energy (MeV)

62-Sm-154

MAT 6255

(n,p) Levels
293 Kelvin Cross Sections

62-Sm-154



10

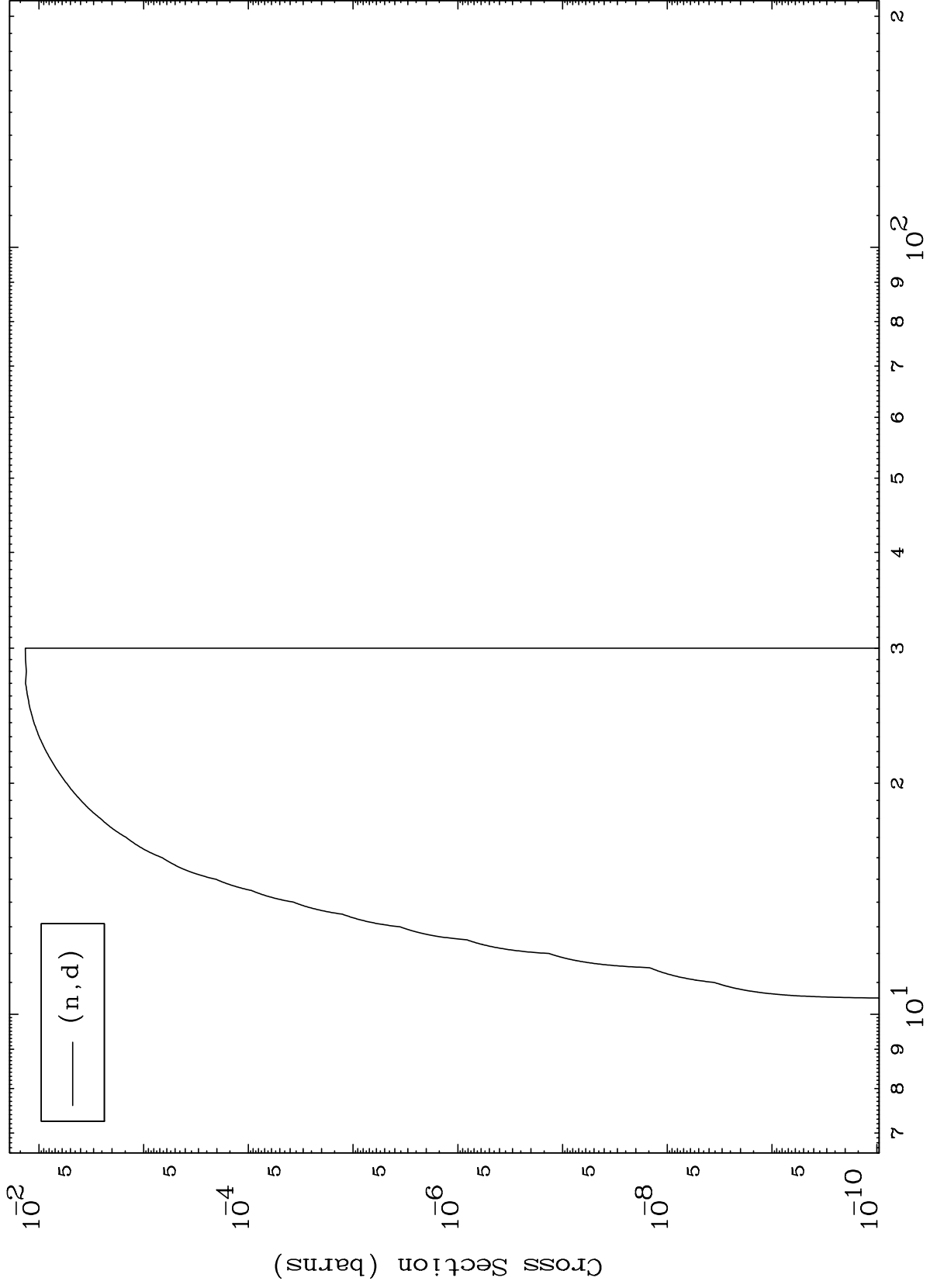
Incident Energy (MeV)

62-Sm-154

MAT 6255

(n,d) Levels
293 Kelvin Cross Sections

62-Sm-154



11

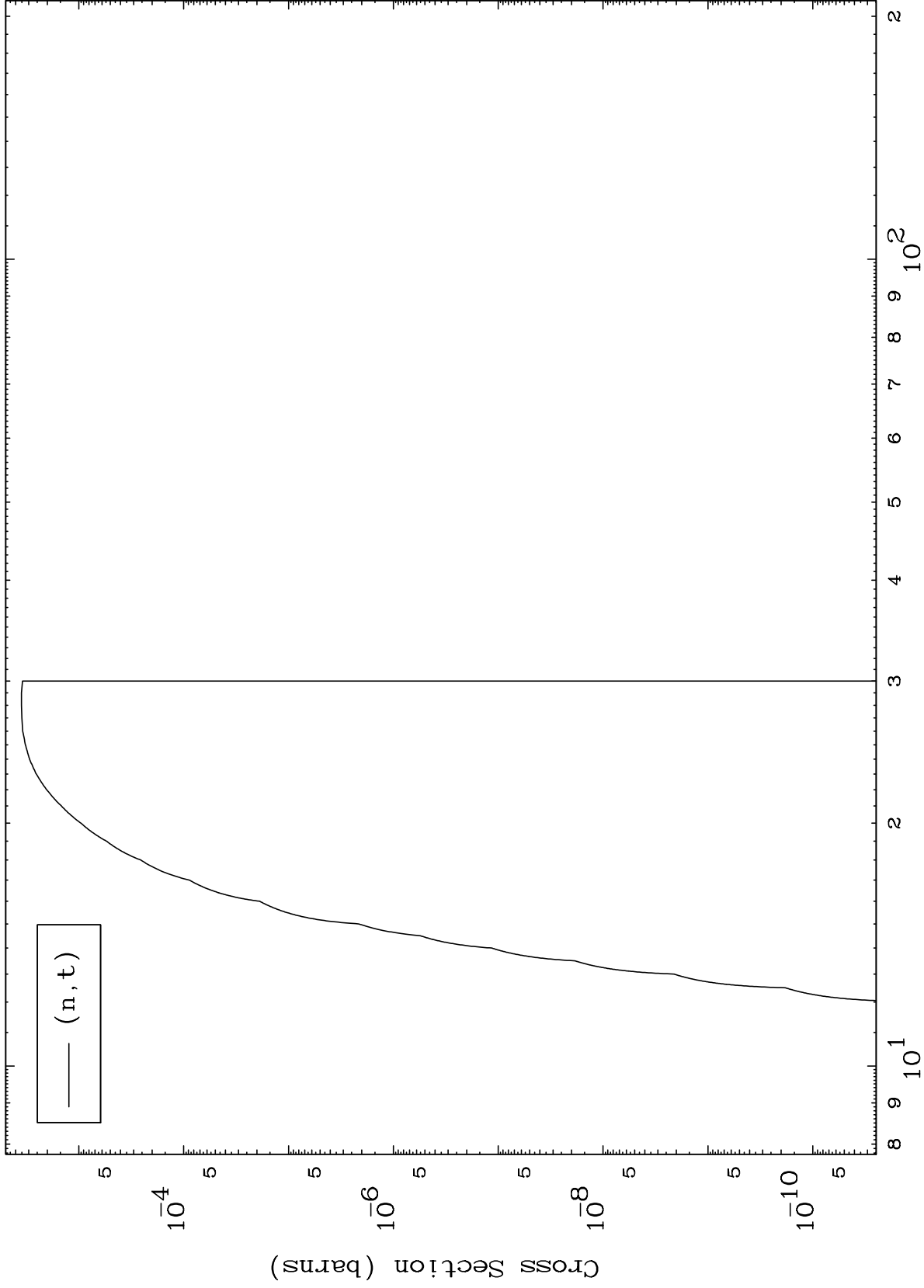
Incident Energy (MeV)

62-Sm-154

MAT 6255

(n,t) Levels
293 Kelvin Cross Sections

62-Sm-154



12

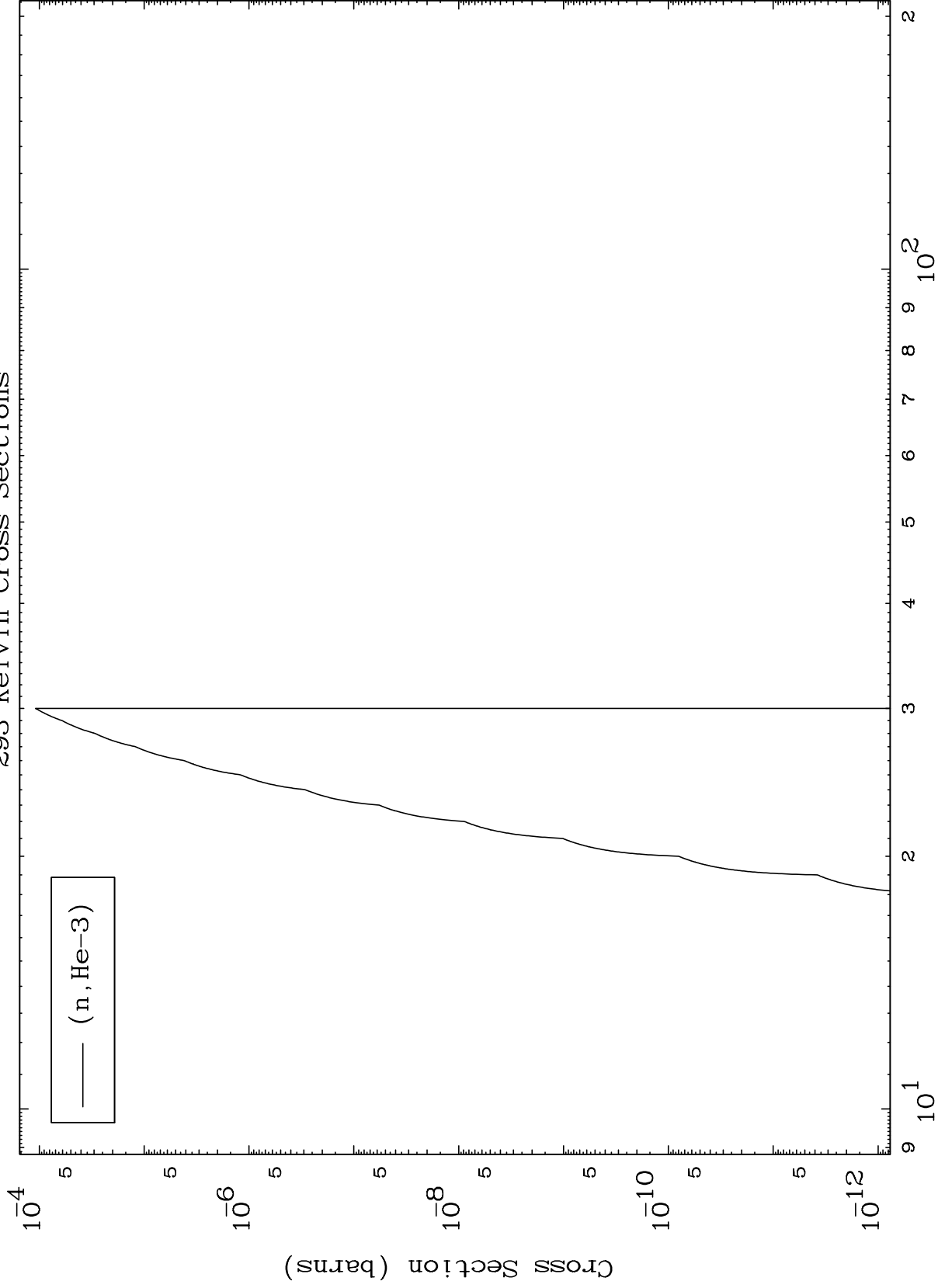
Incident Energy (MeV)

62-Sm-154

MAT 6255

(n,He3) Levels
293 Kelvin Cross Sections

62-Sm-154



13

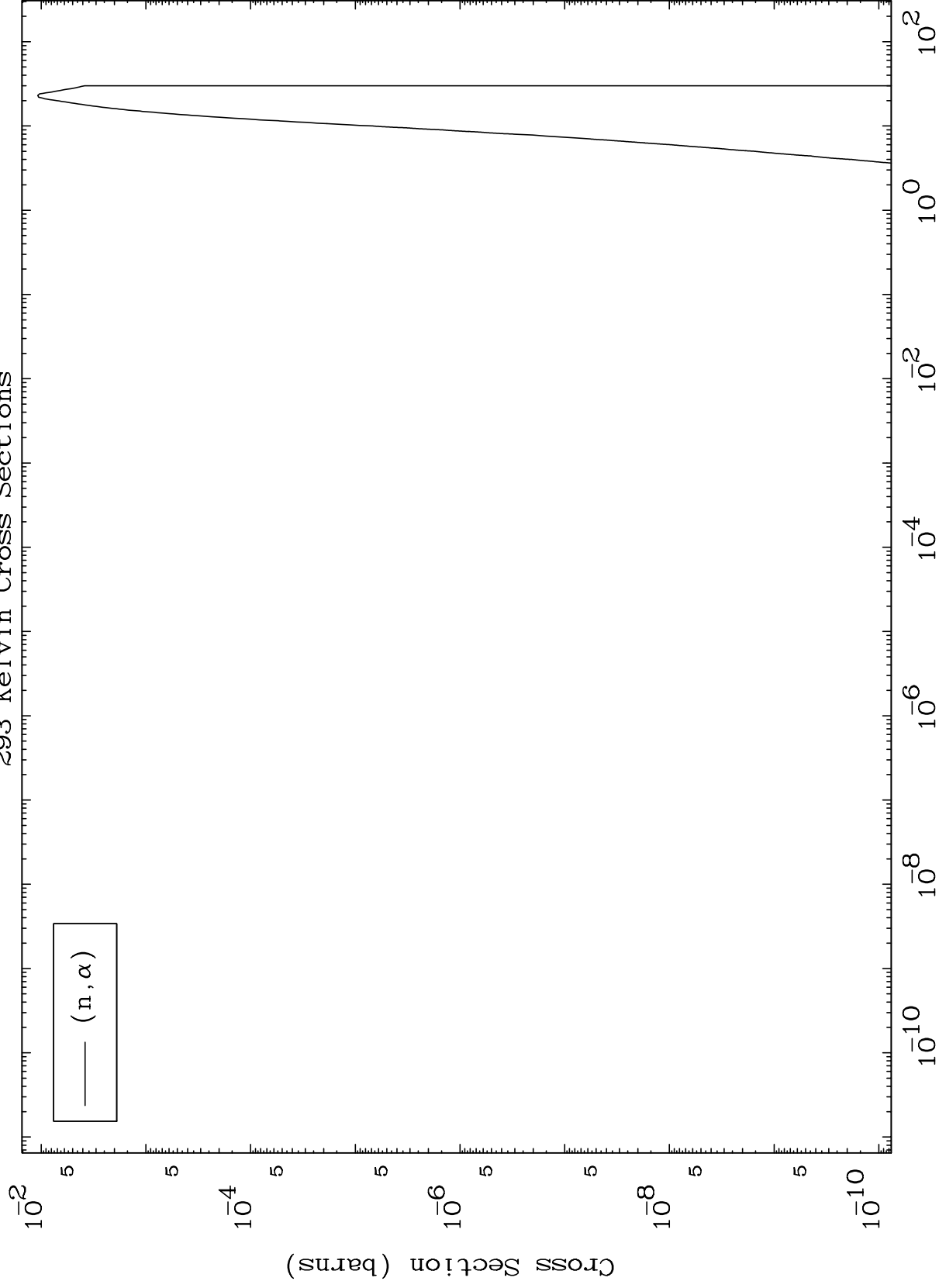
Incident Energy (MeV)

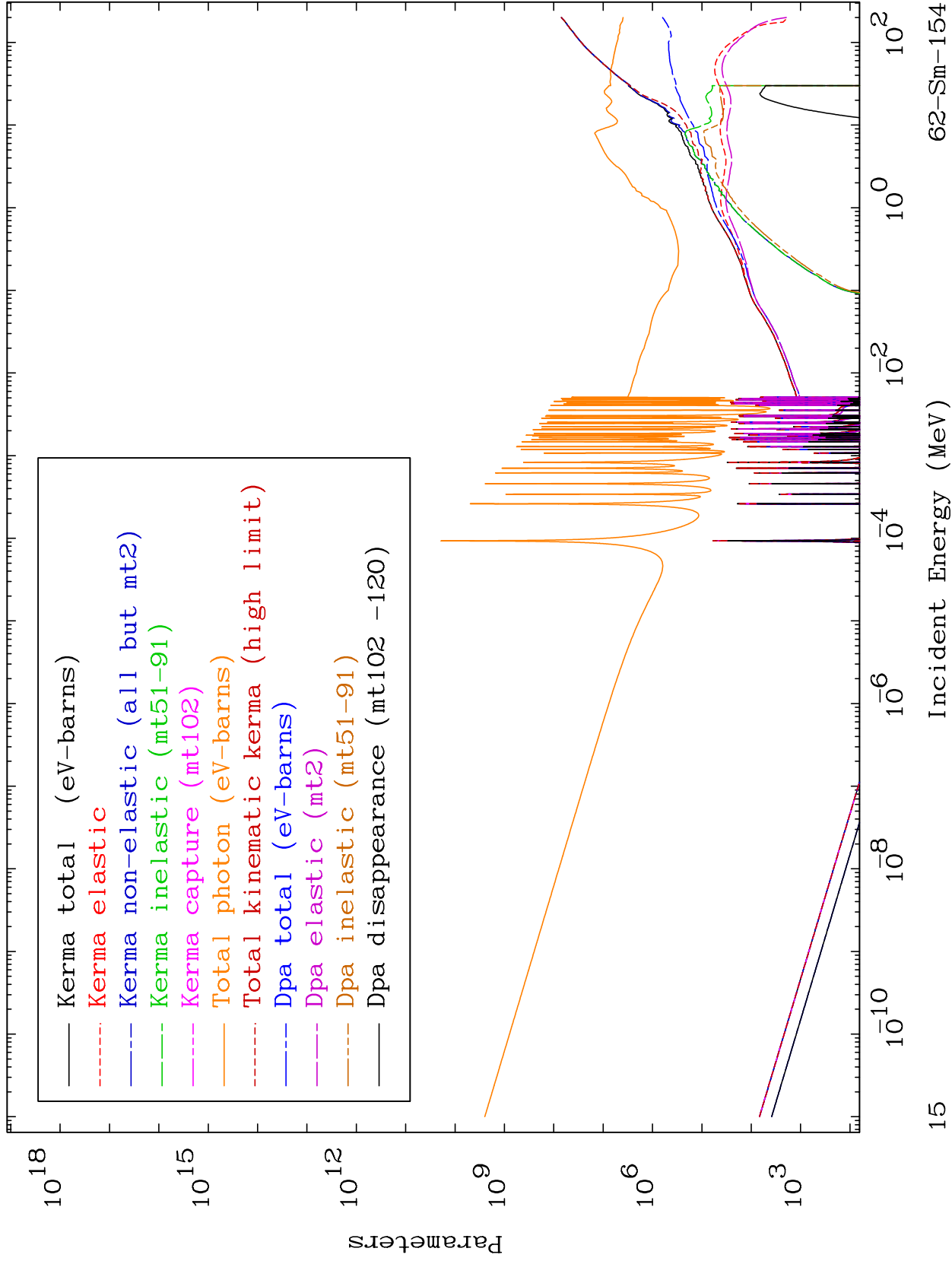
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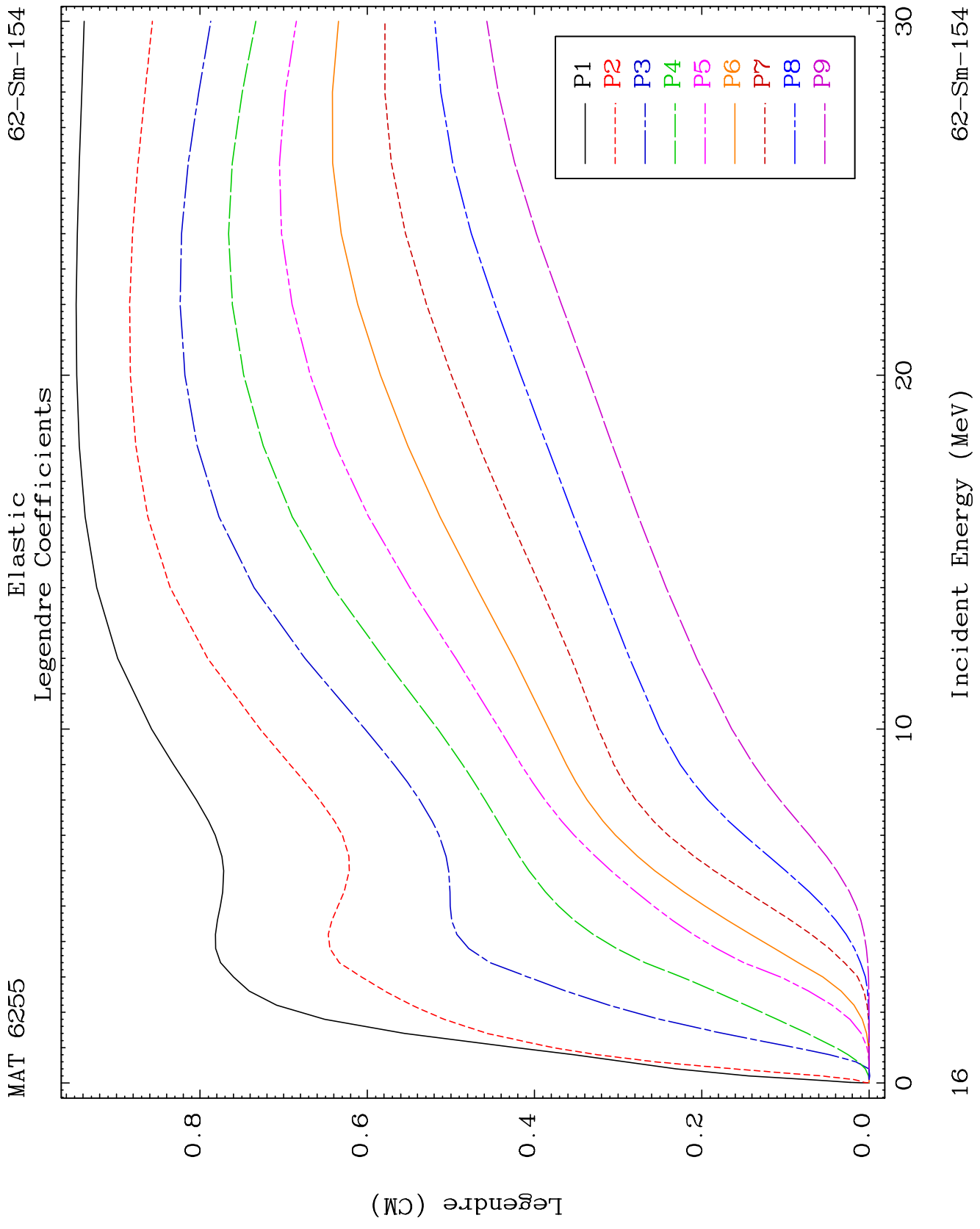
MAT 6255

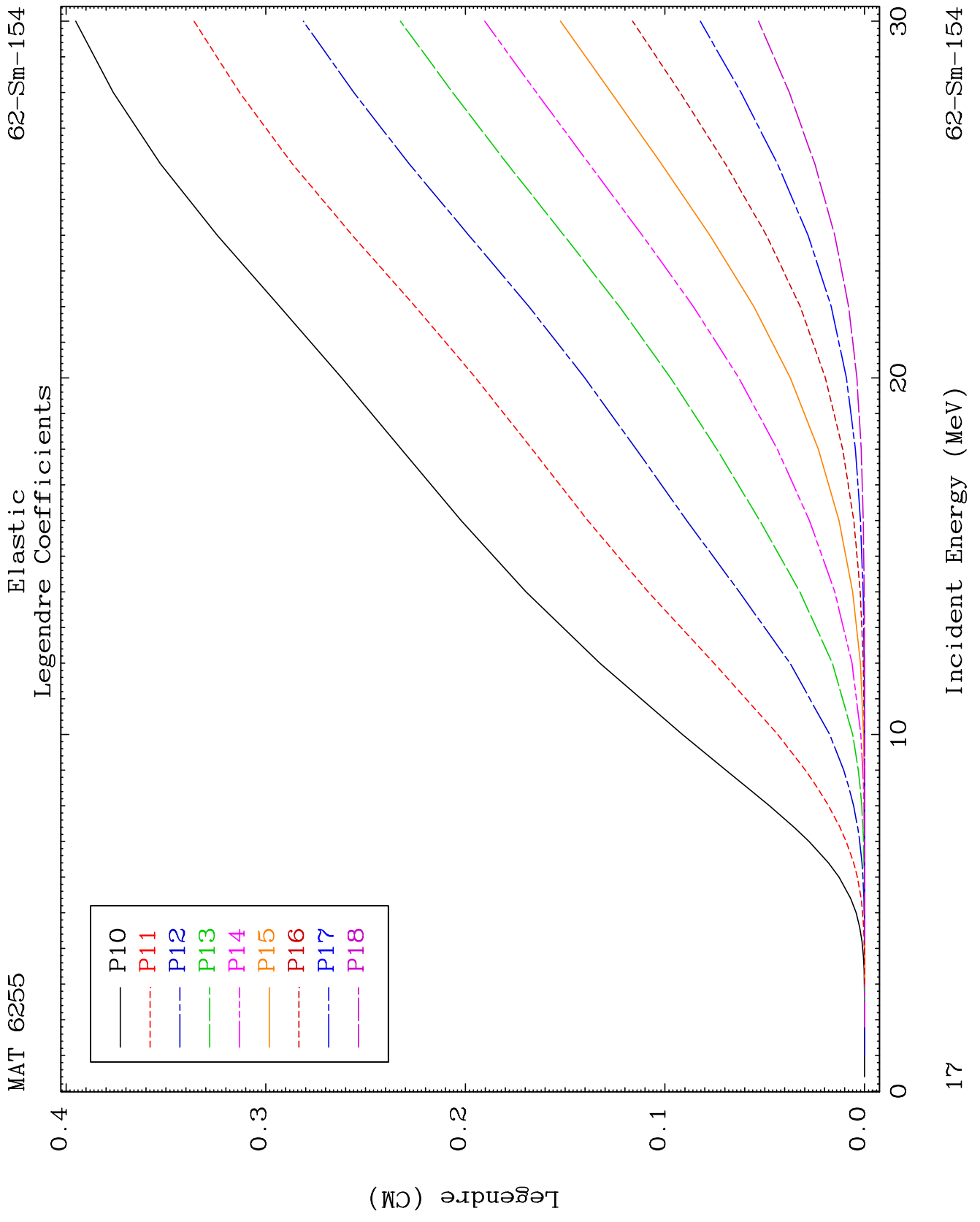
(n, α) Levels
293 Kelvin Cross Sections

62-Sm-154





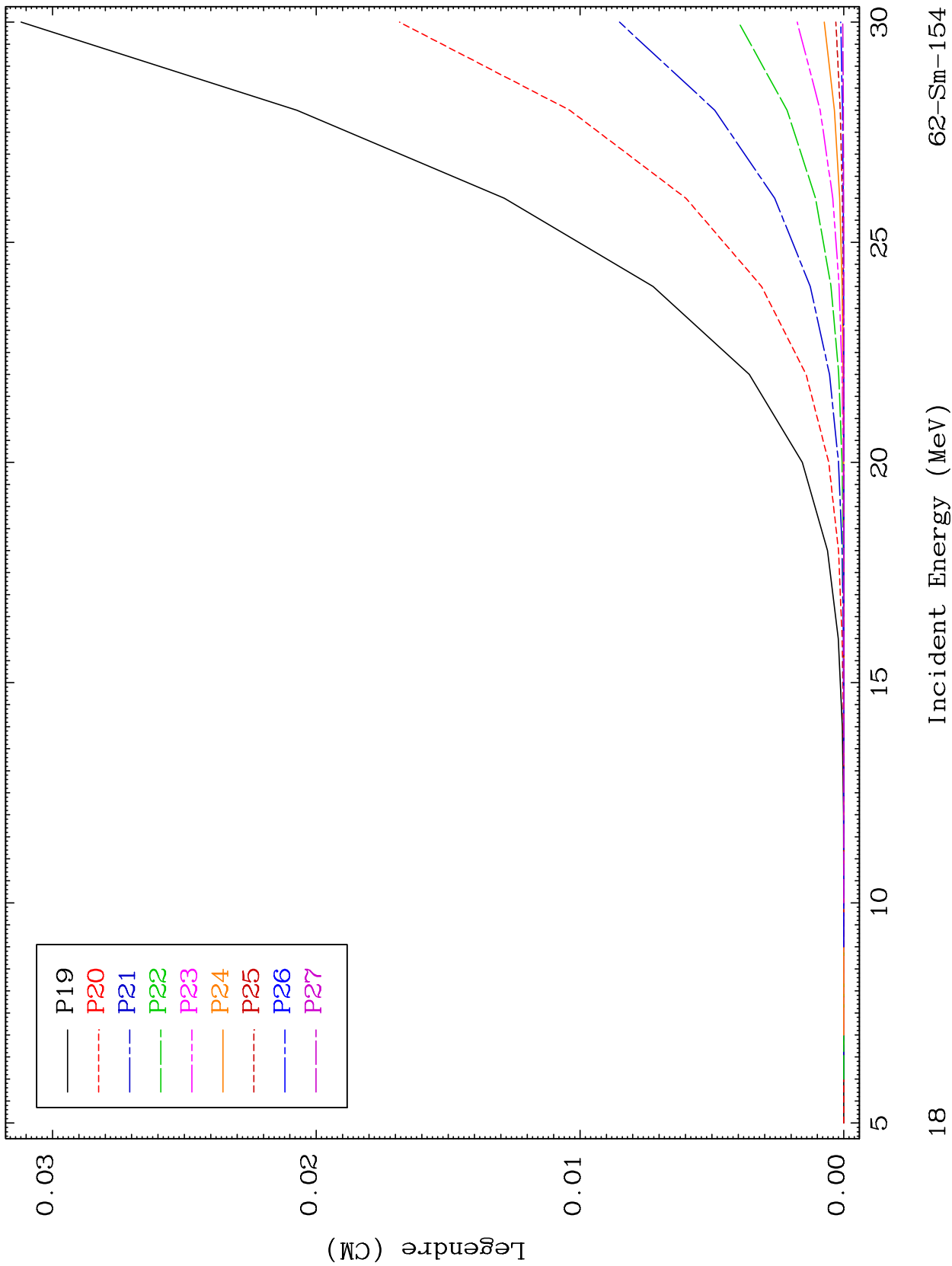




MAT 6255

Elastic Legendre Coefficients

62-Sm-154



18

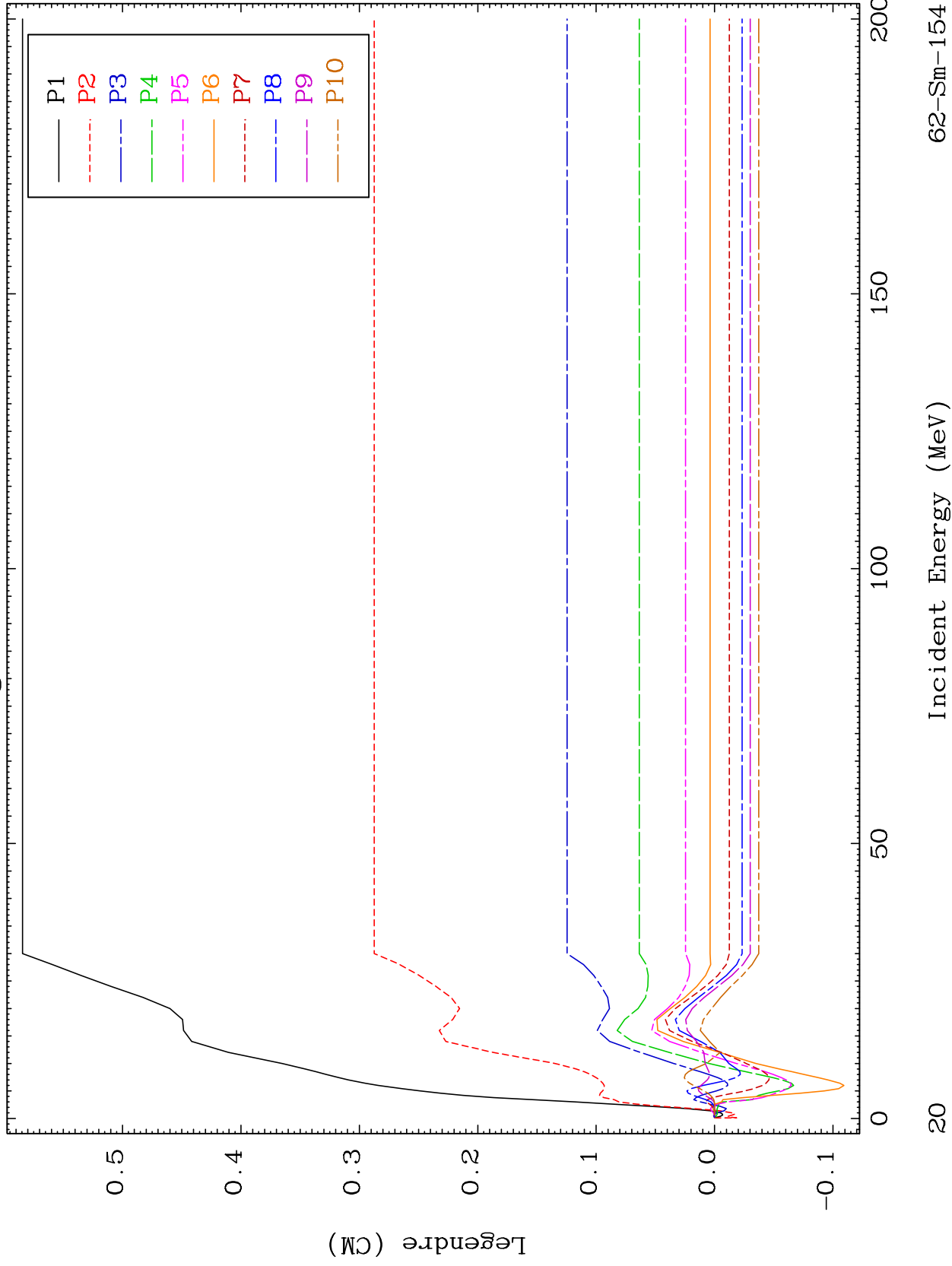
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



62-Sm-154

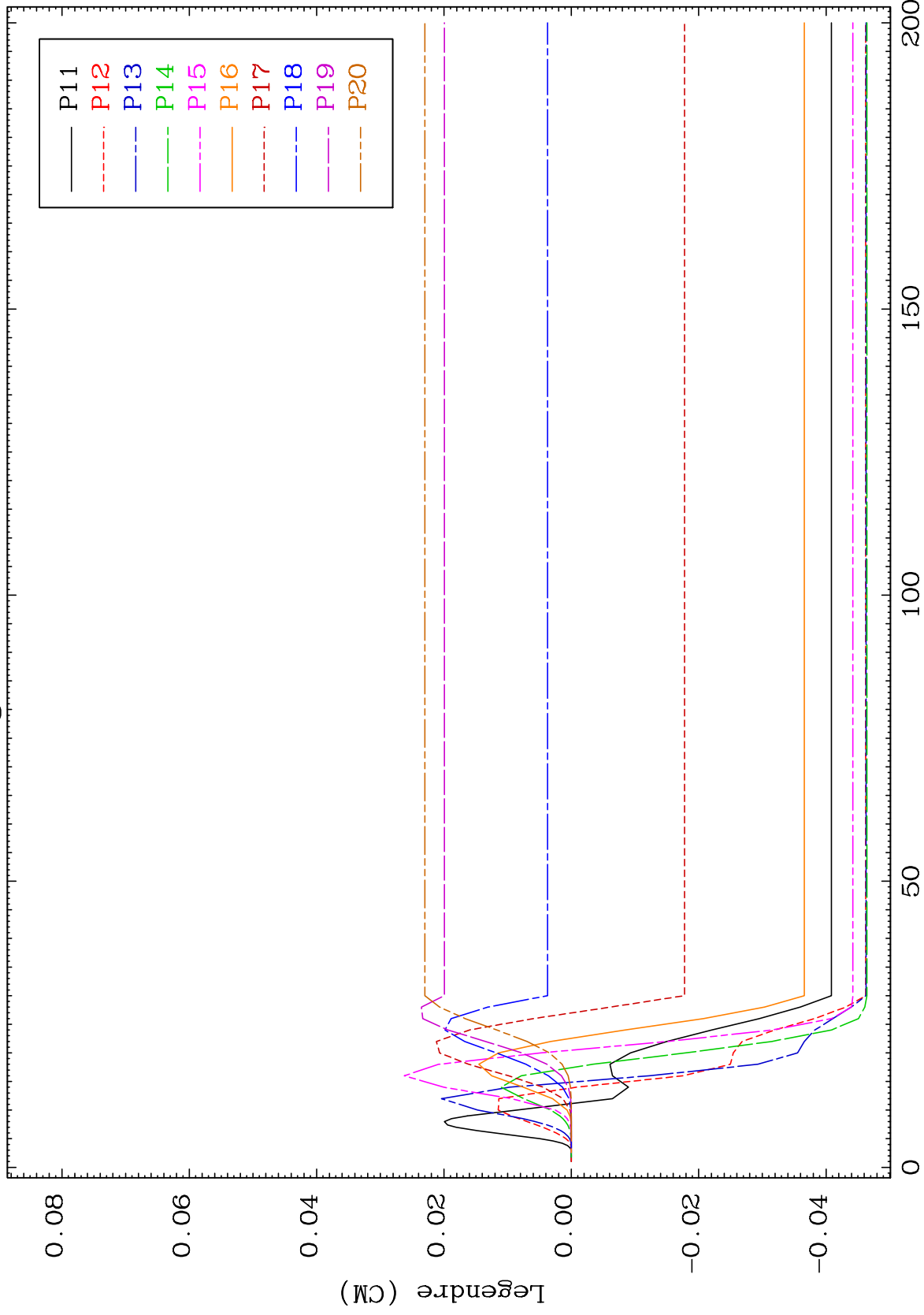
Incident Energy (MeV)

20

MAT 6255

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

62-Sm-154



21

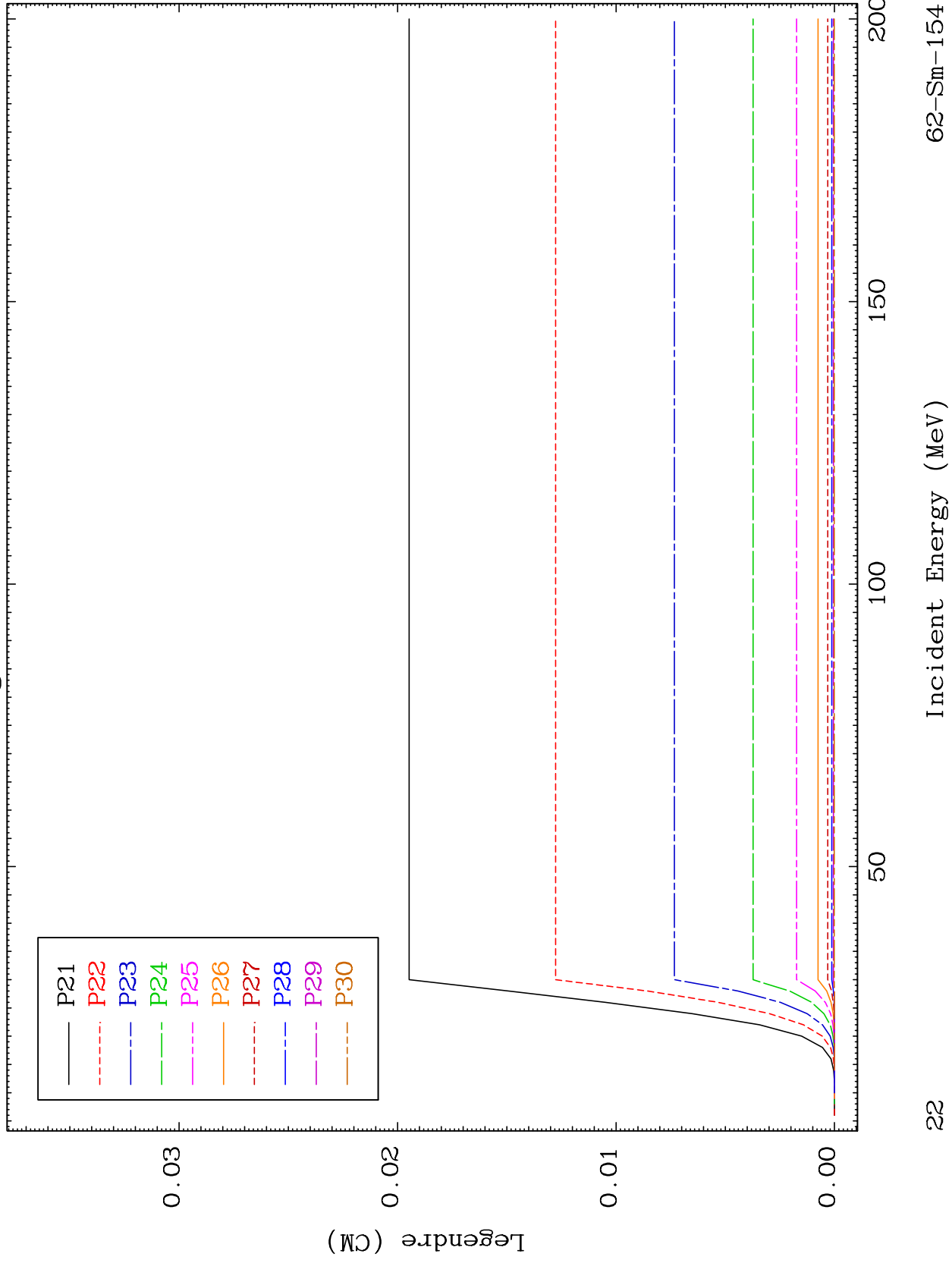
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



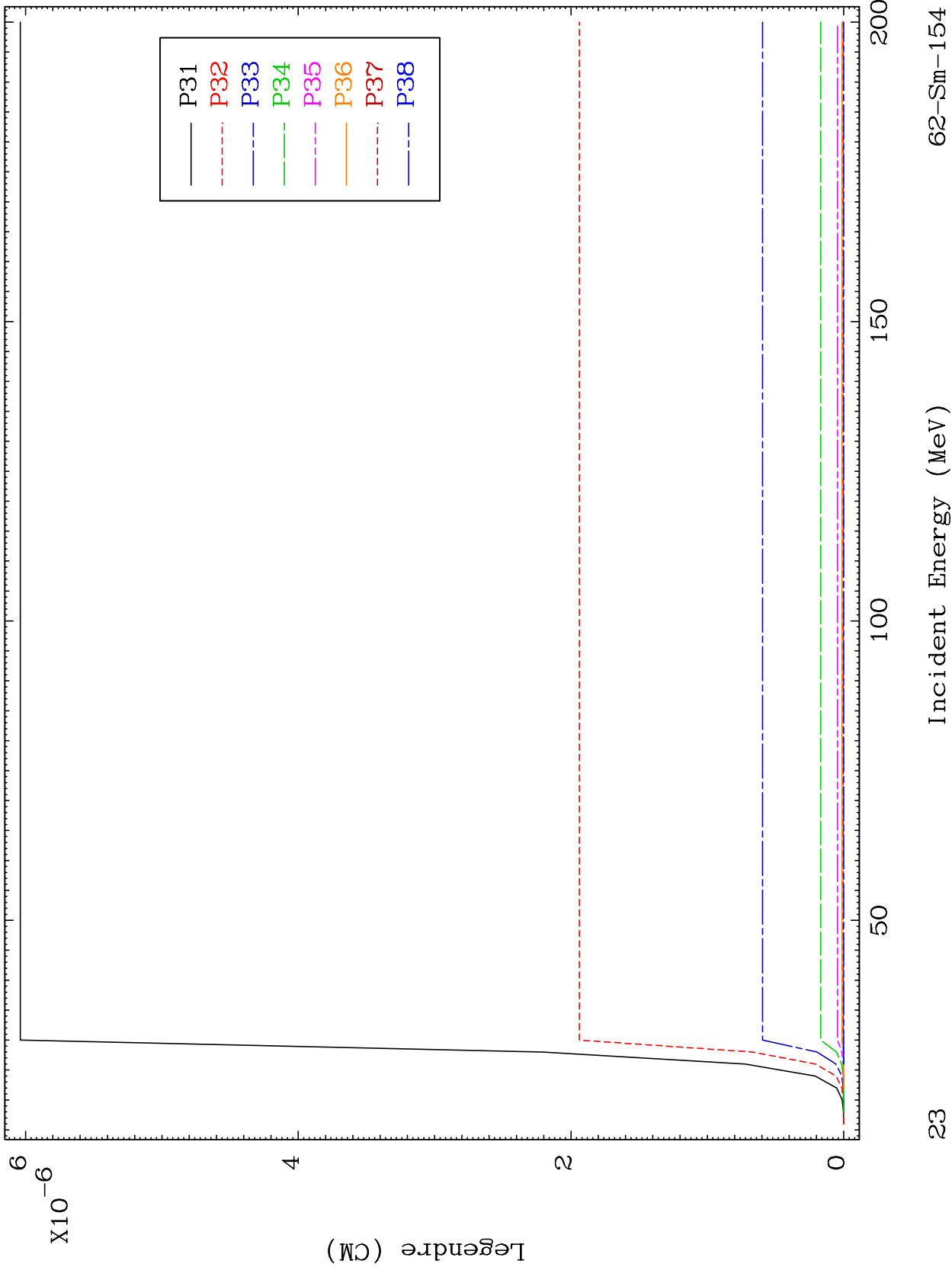
22

62-Sm-154

MAT 6255

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

62-Sm-154



23

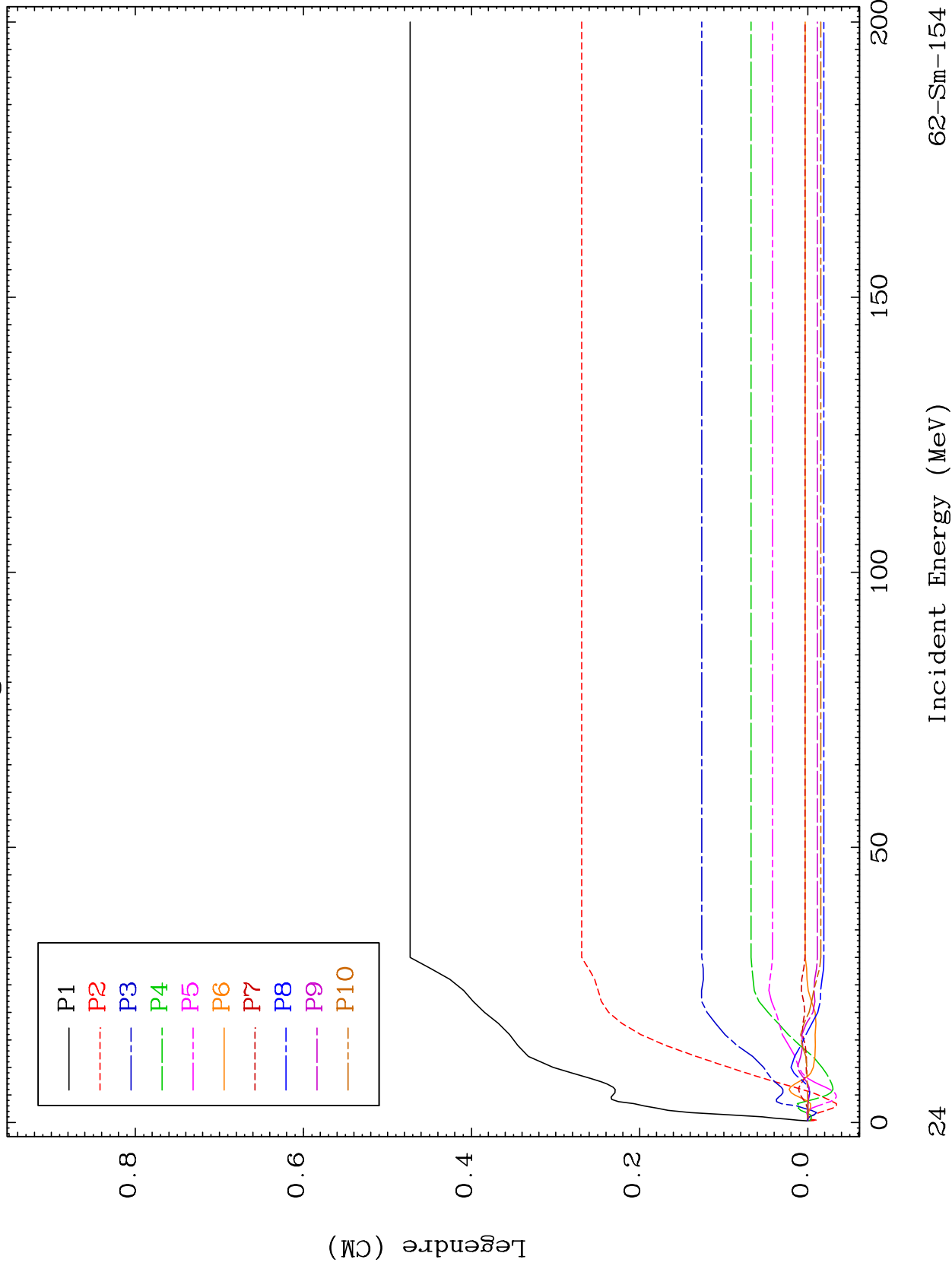
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



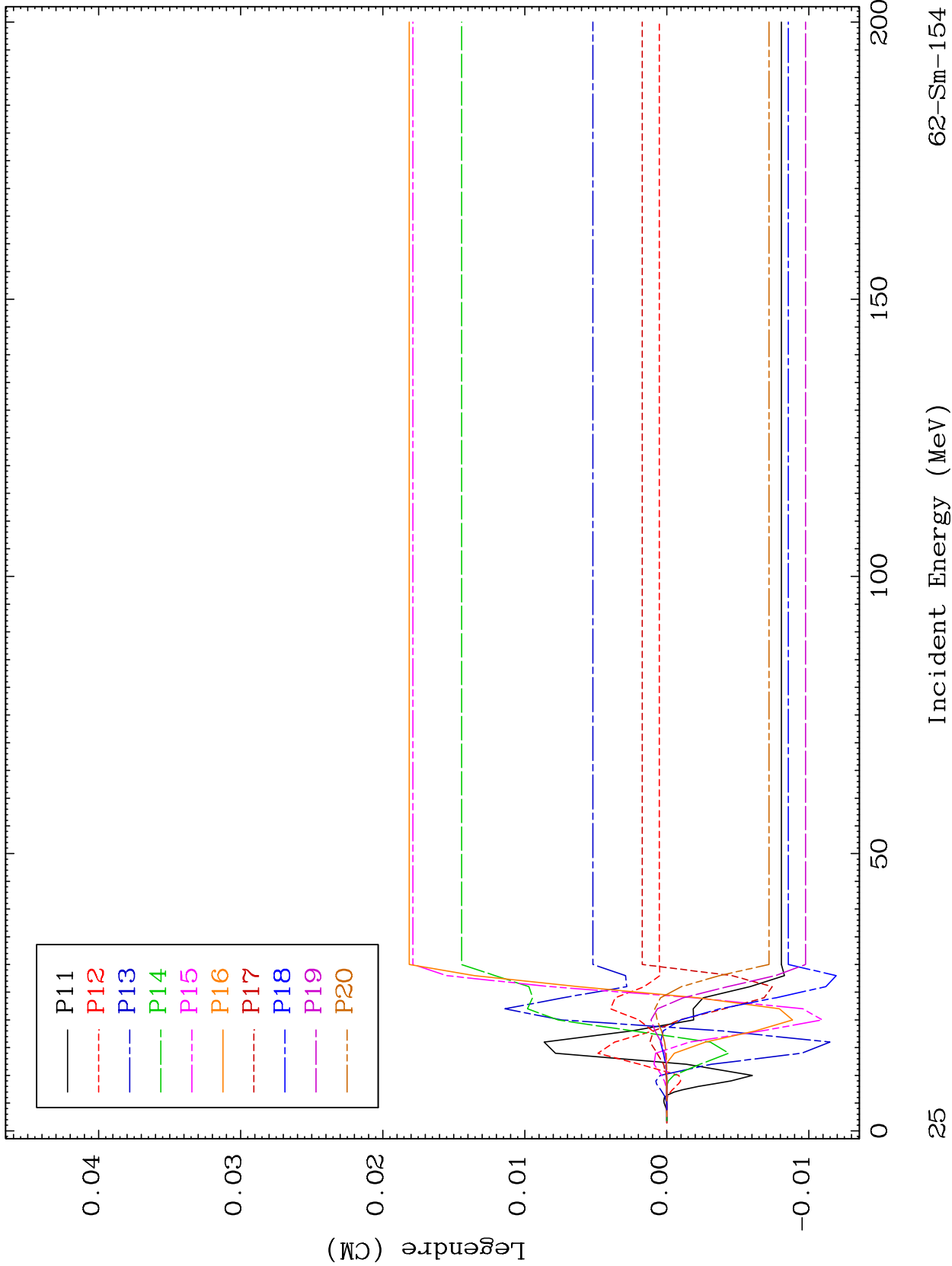
24

62-Sm-154

MAT 6255

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

62-Sm-154



62-Sm-154

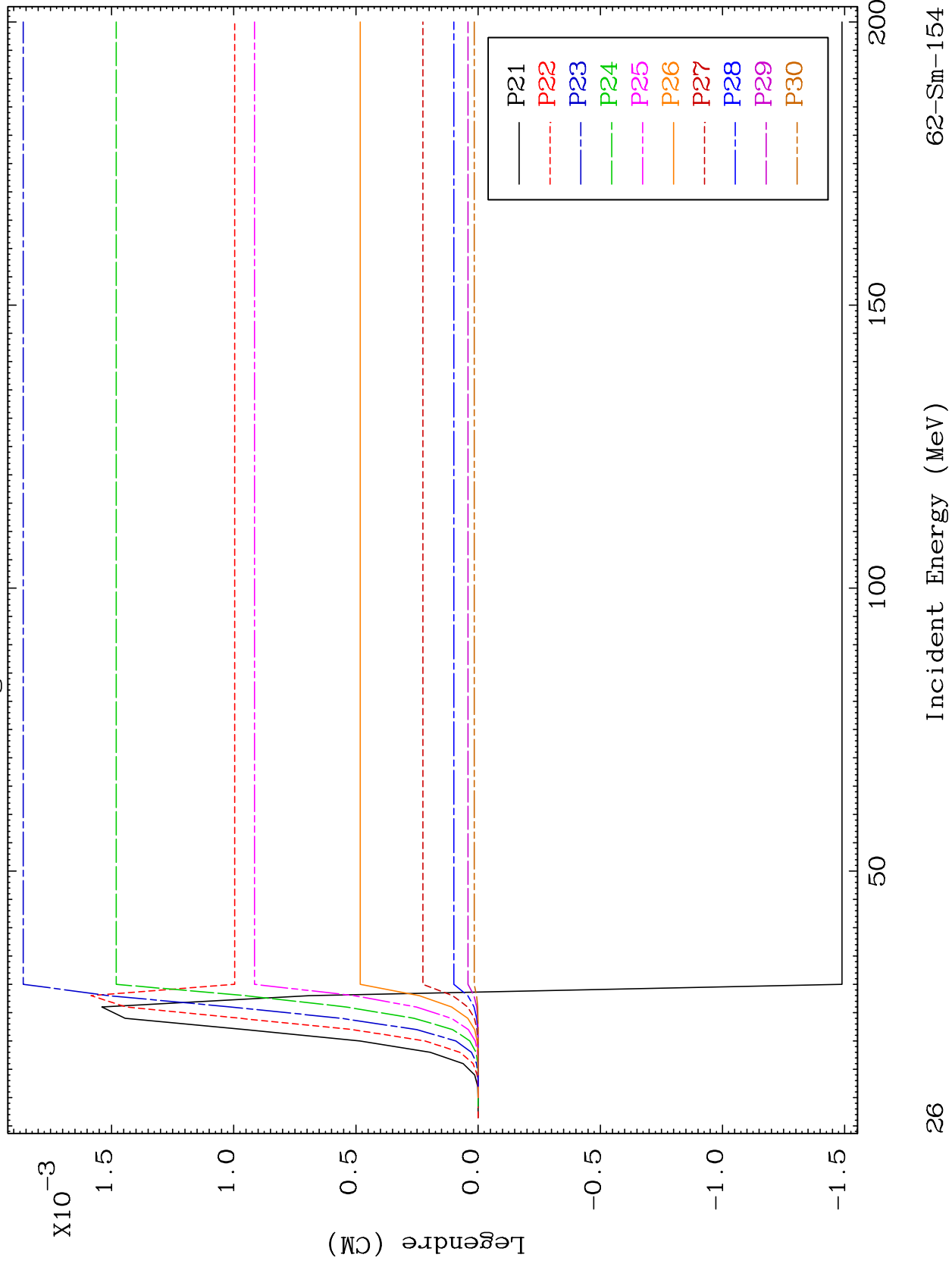
Incident Energy (MeV)

25

MAT 6255

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

62-Sm-154



26

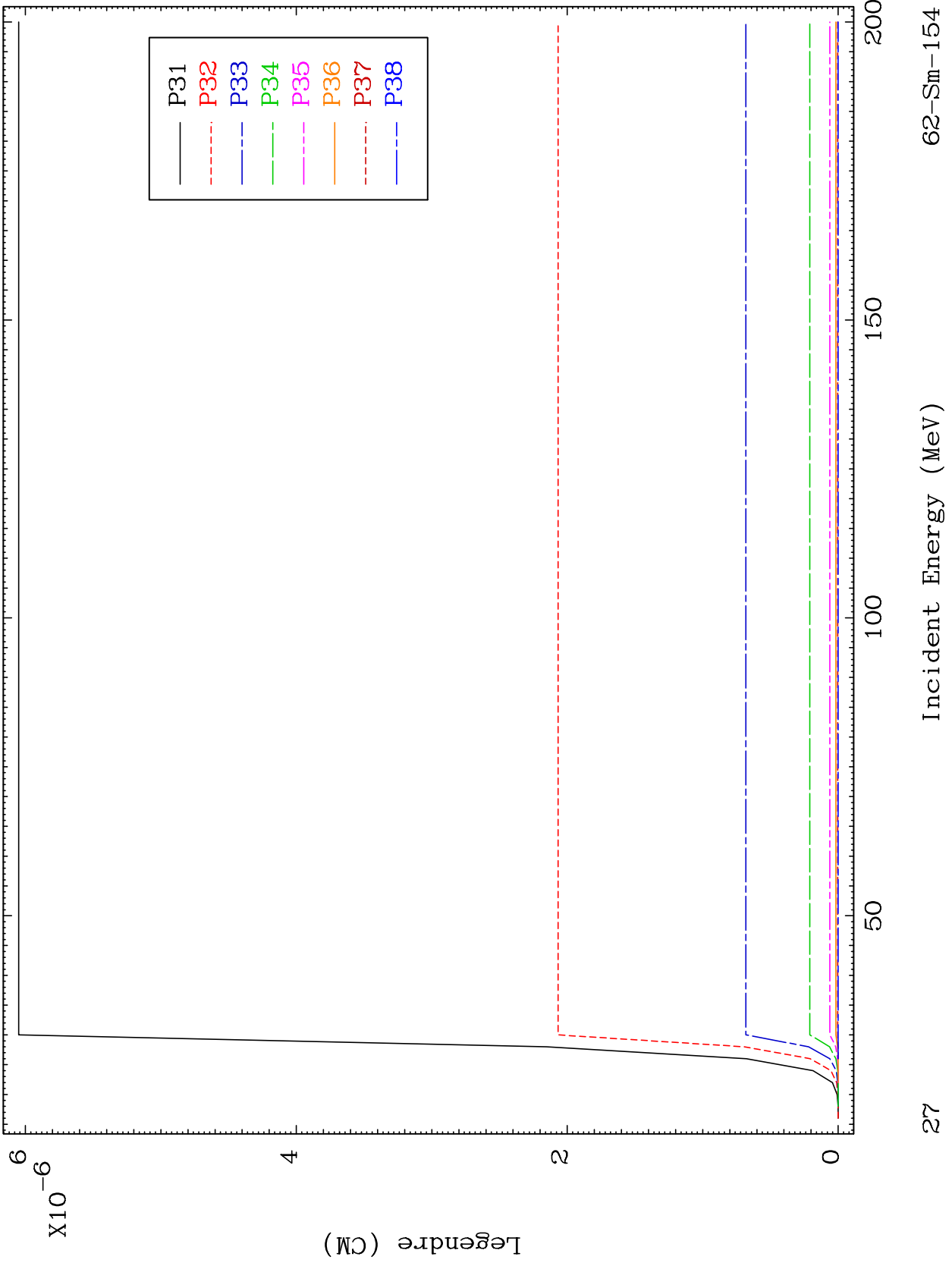
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

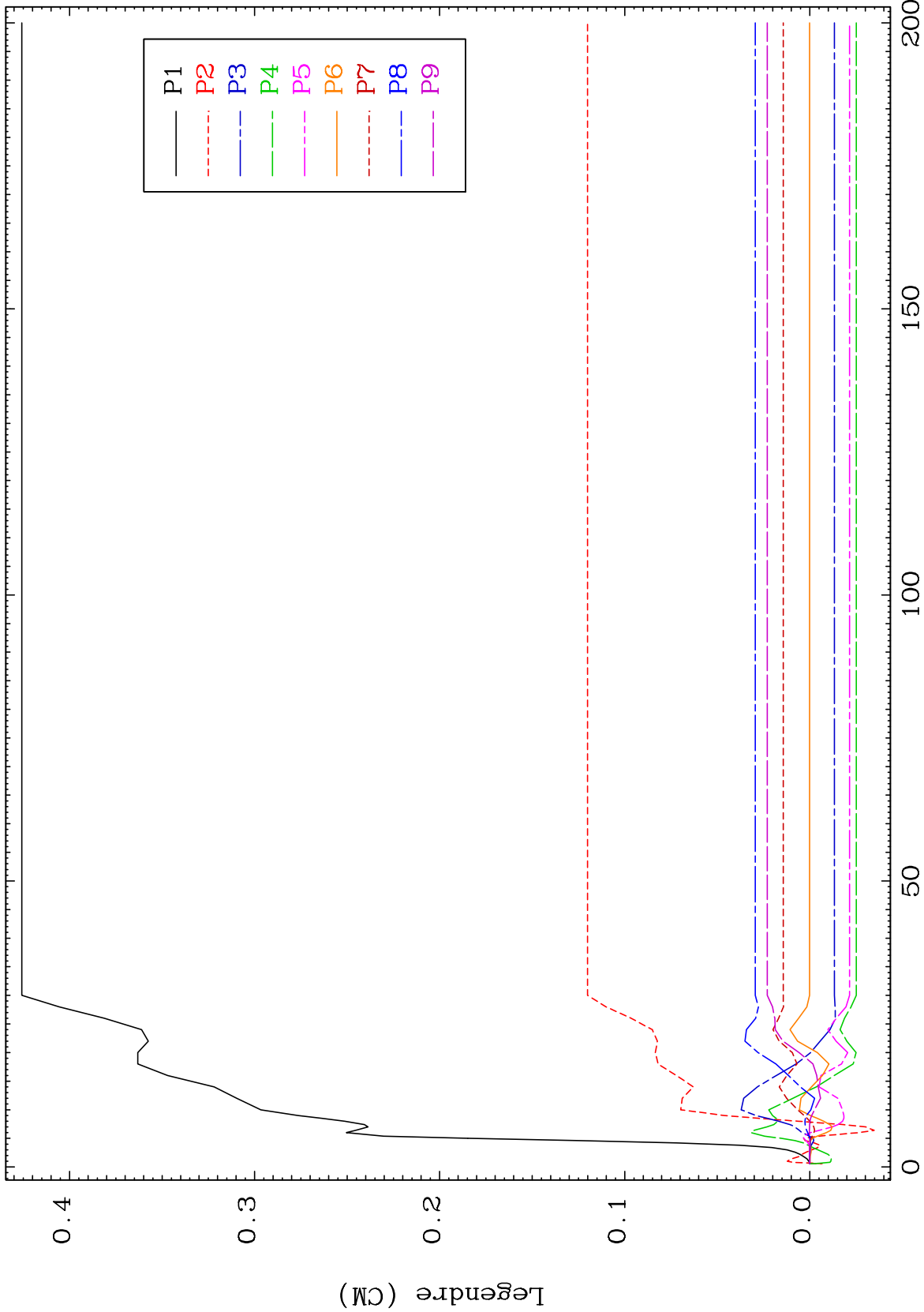
62-Sm-154



MAT 6255

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

62-Sm-154



28

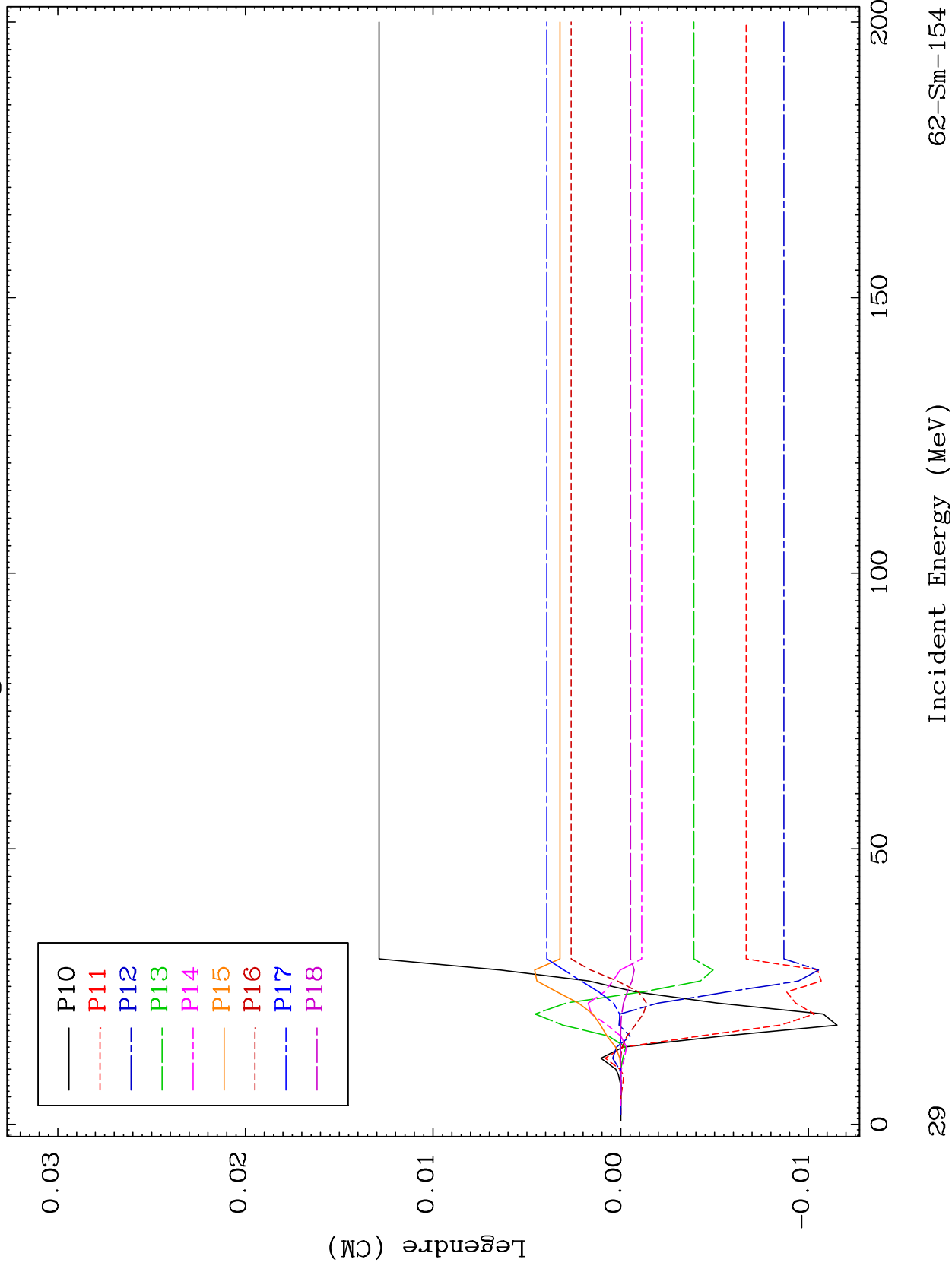
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

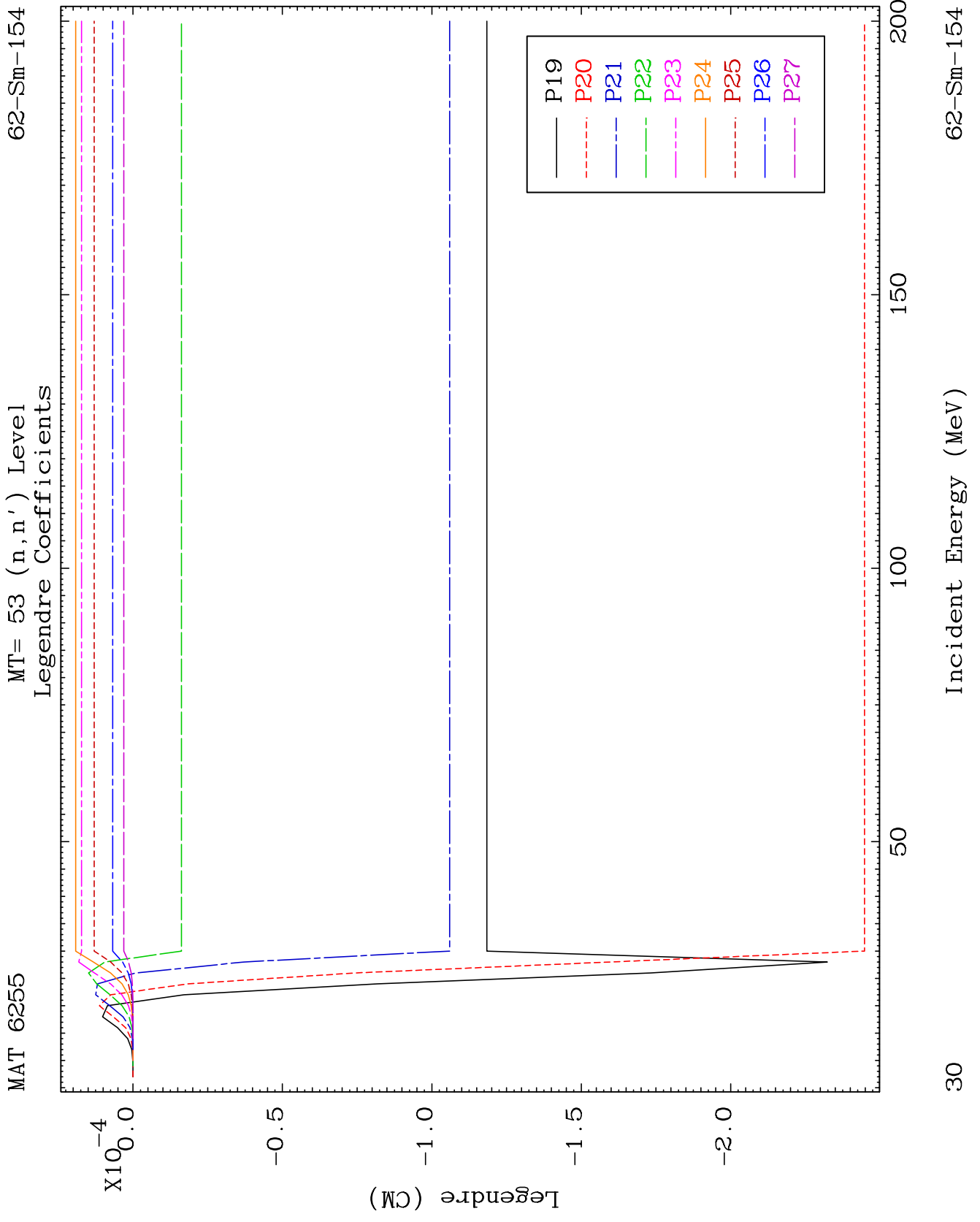
62-Sm-154



29

Incident Energy (MeV)

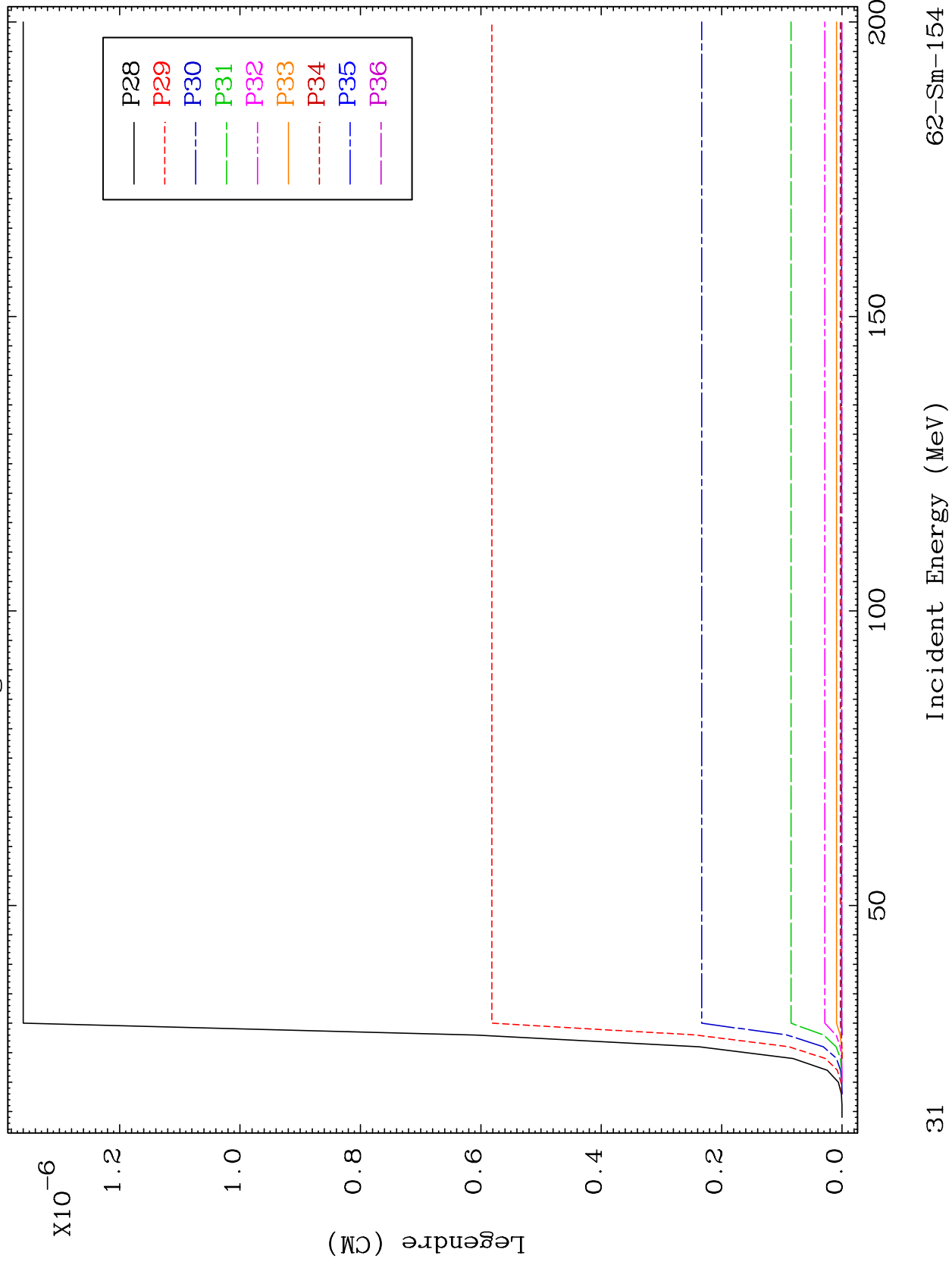
62-Sm-154



MAT 6255

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

62-Sm-154

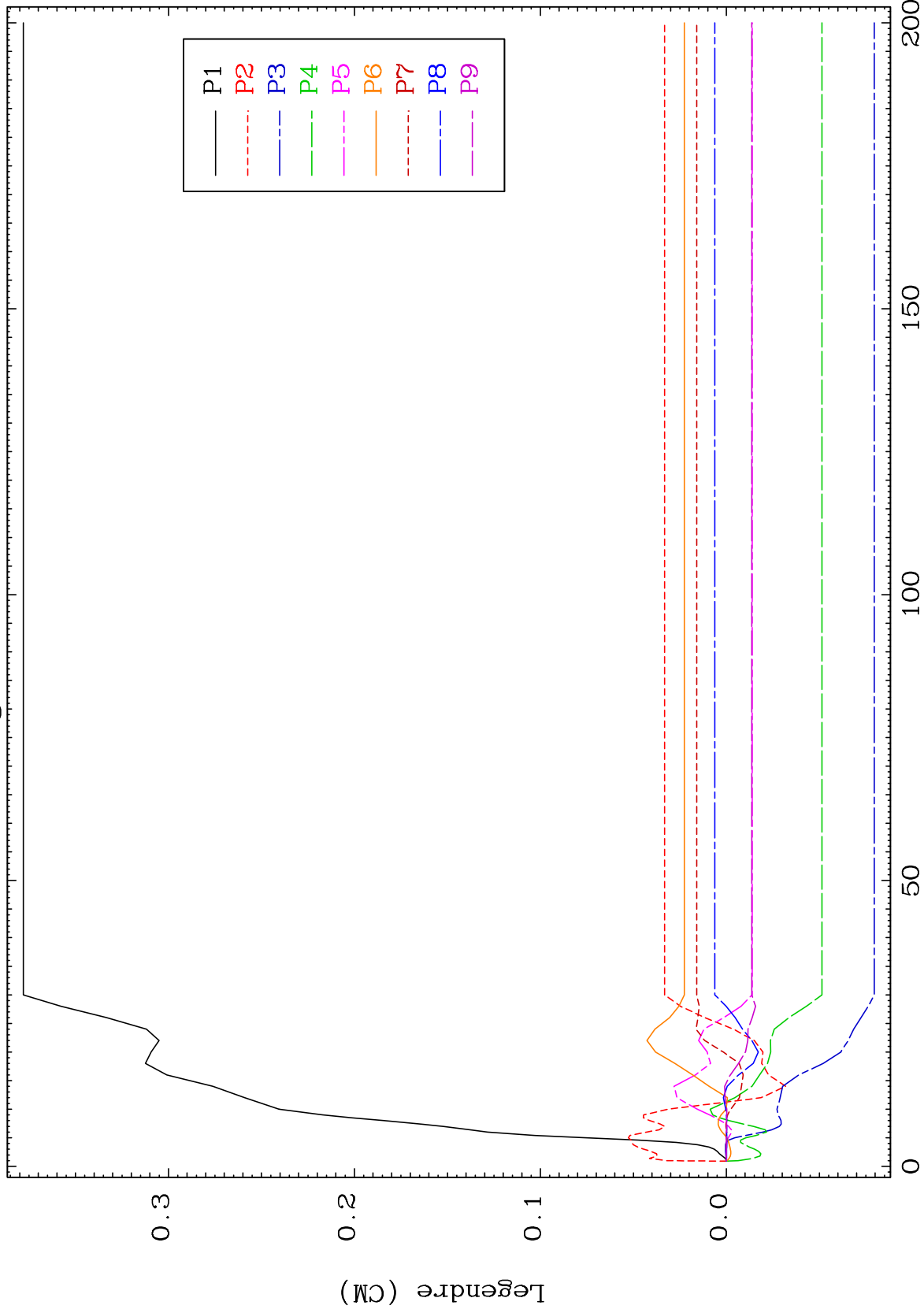


31

MAT 6255

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

62-Sm-154

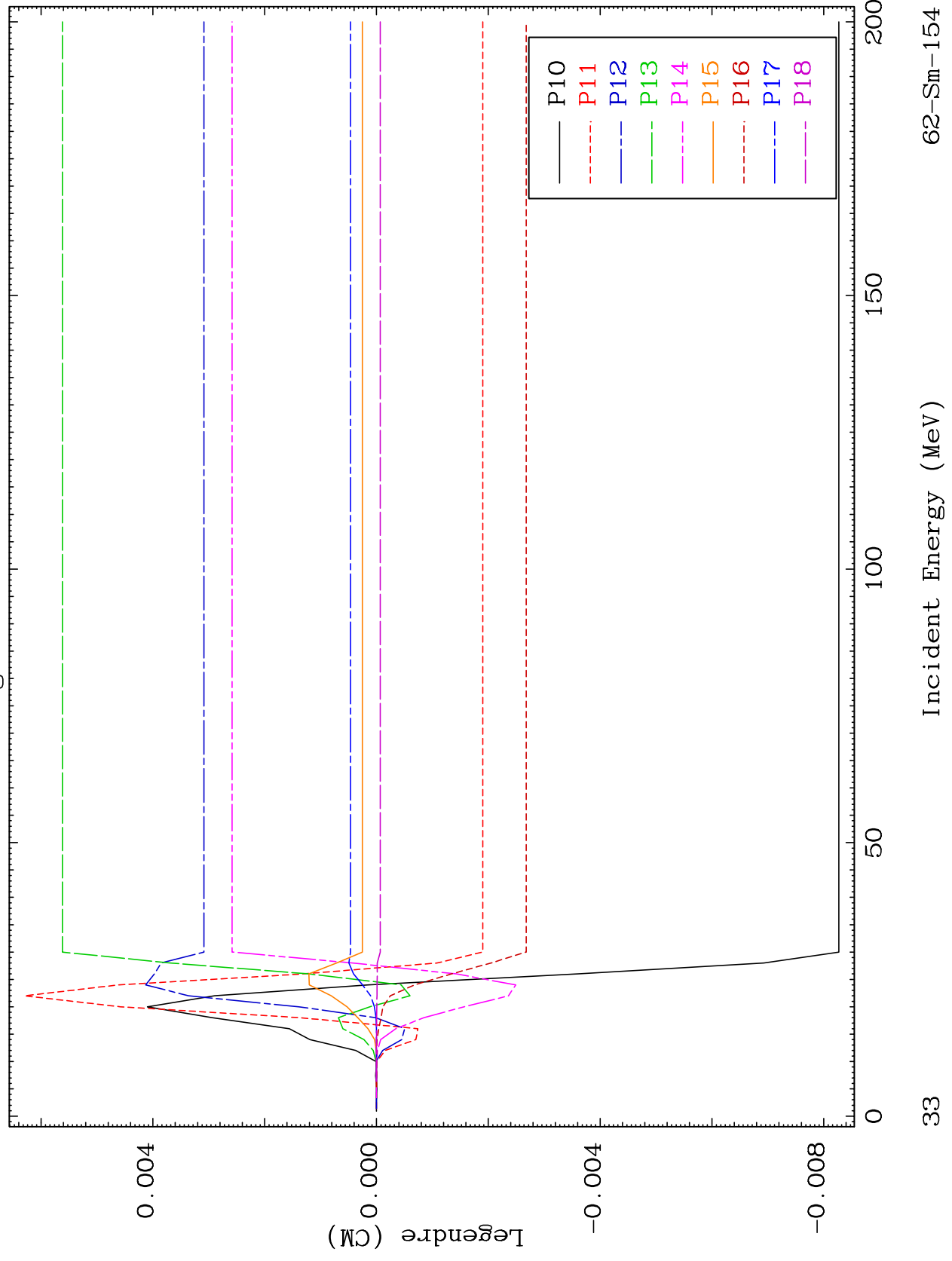


32

Incident Energy (MeV)

62-Sm-154

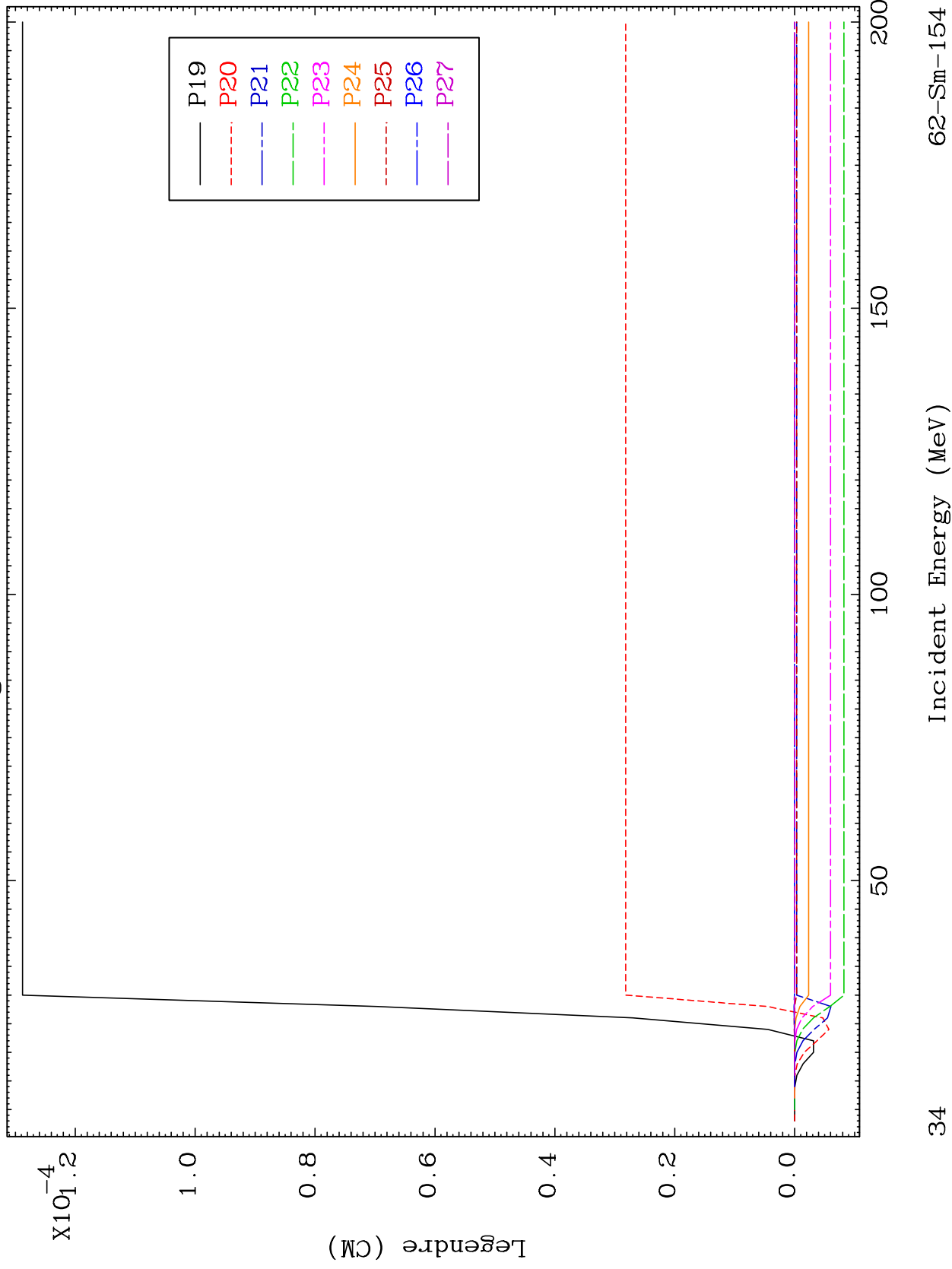
MAT 6255 MT= 54 (n,n') Level Legendre Coefficients 62-Sm-154



MAT 6255

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

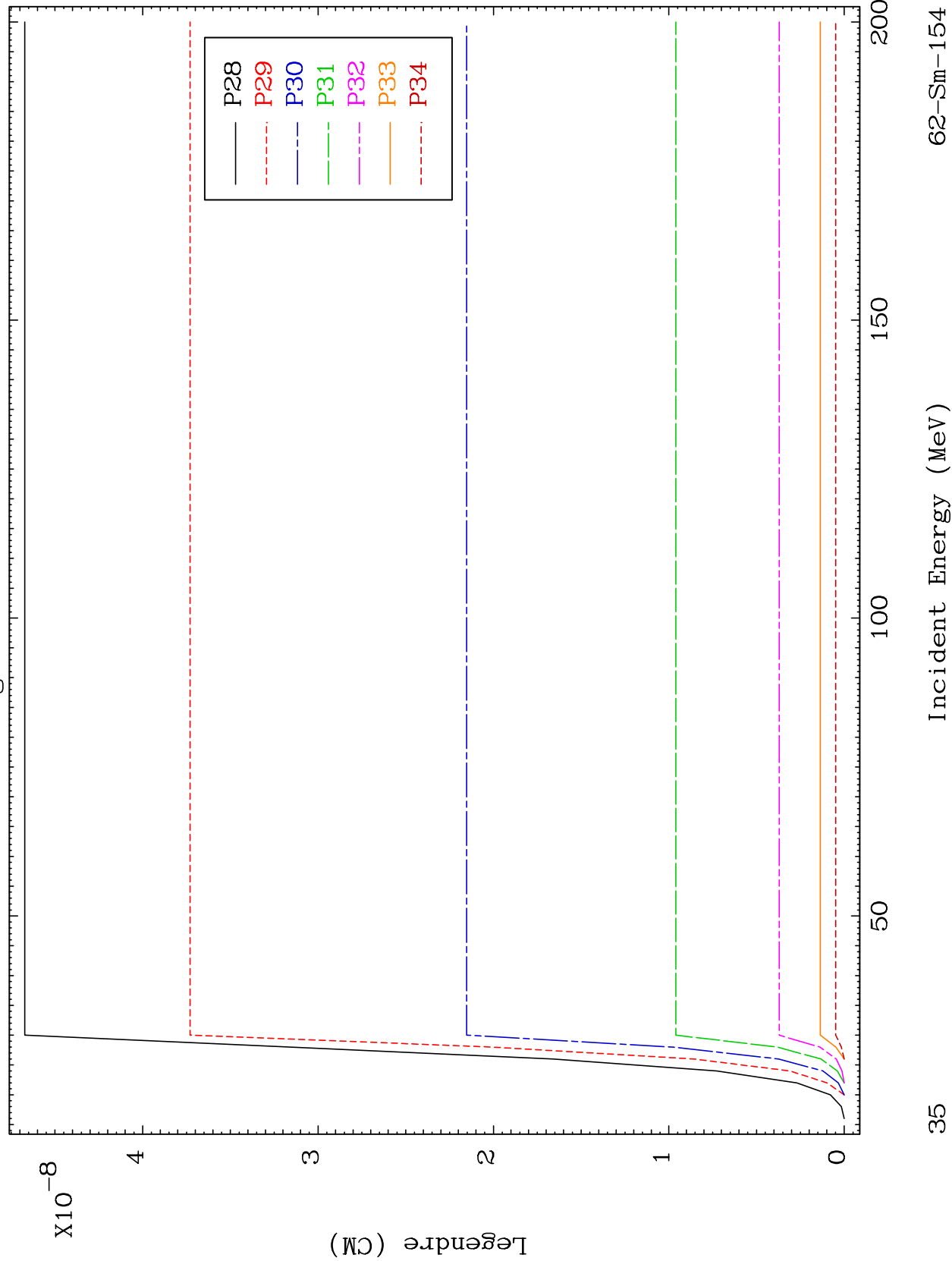
62-Sm-154



MAT 6255

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

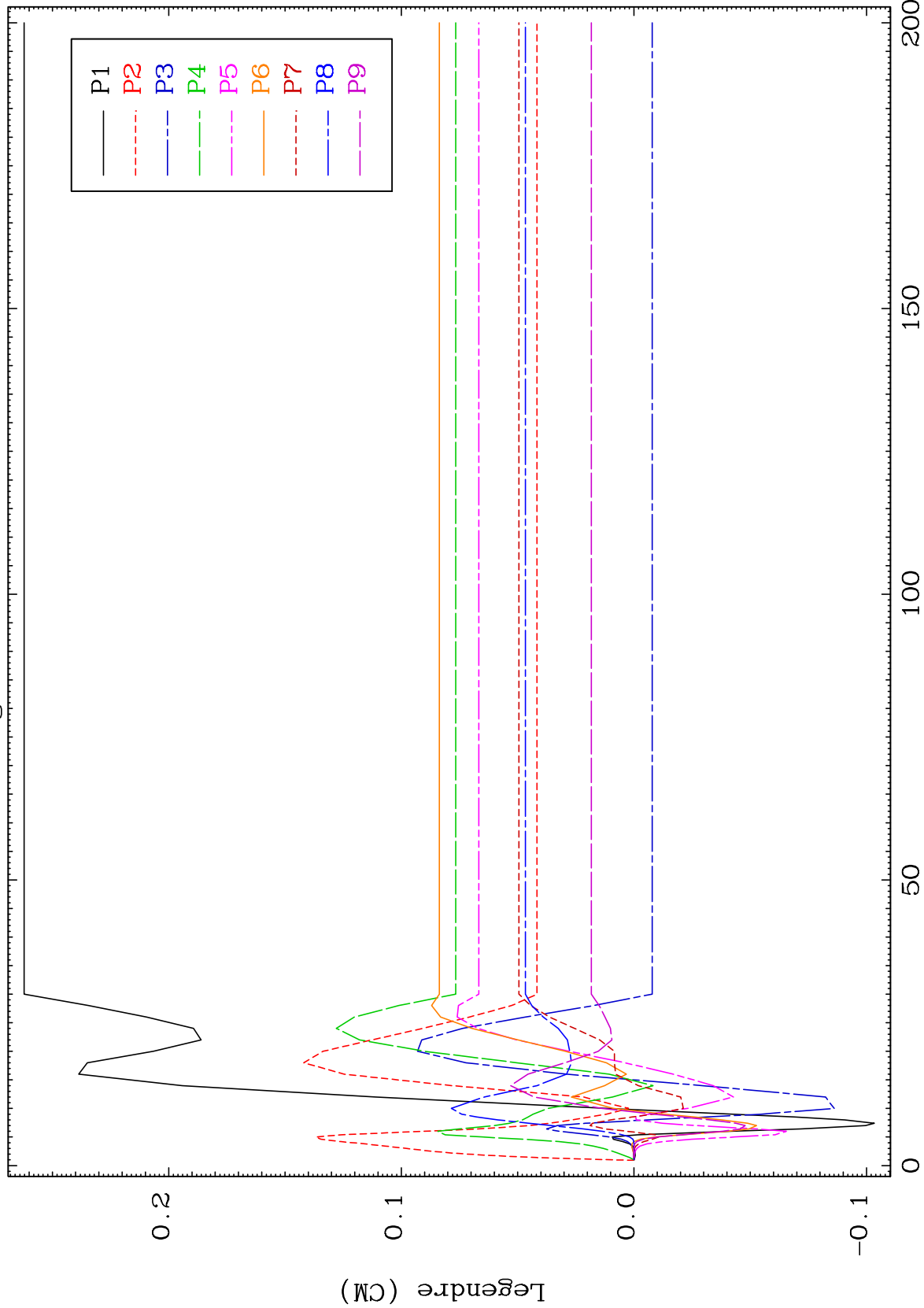
62-Sm-154



MAT 6255

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

62-Sm-154



36

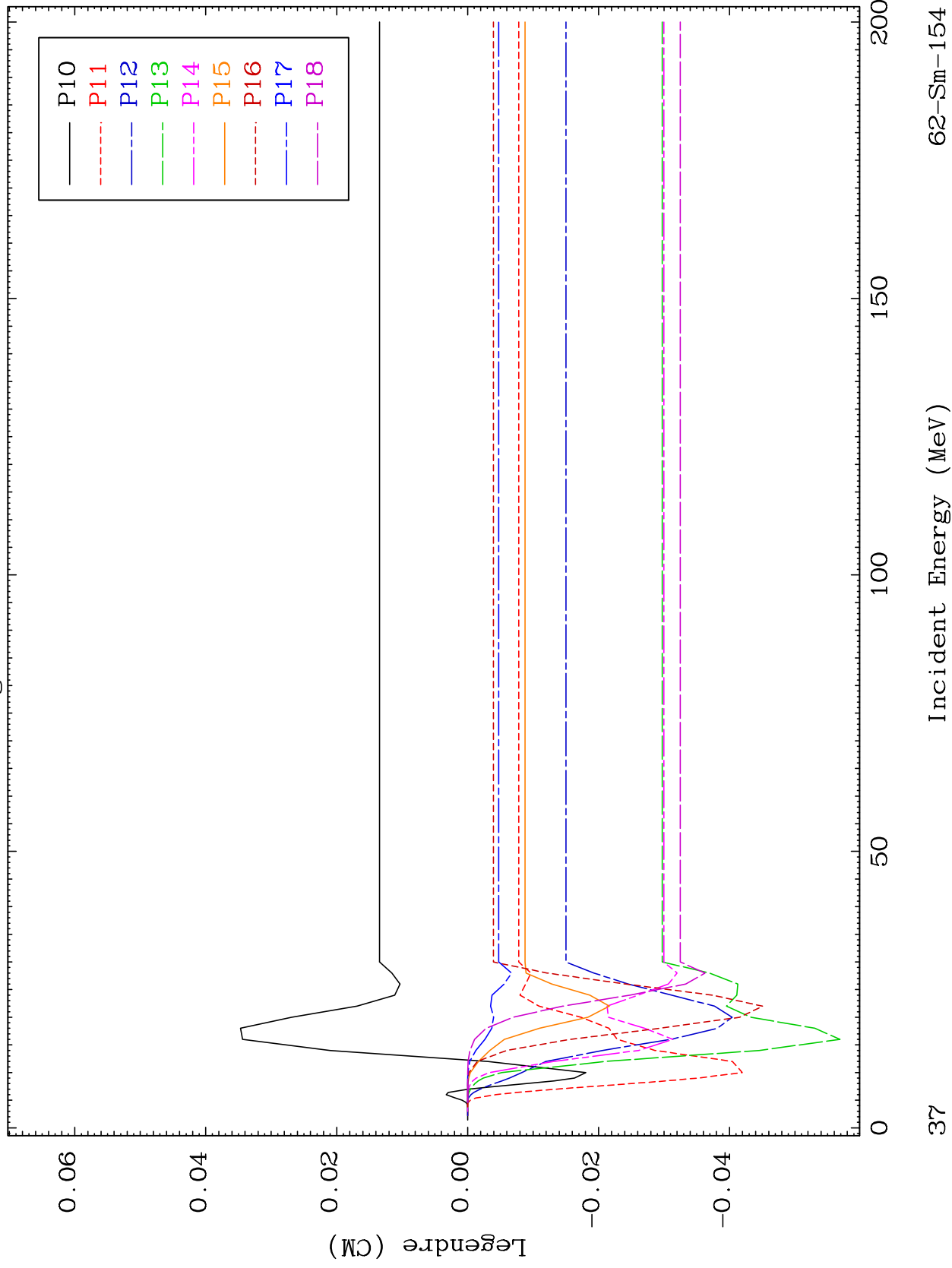
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



37

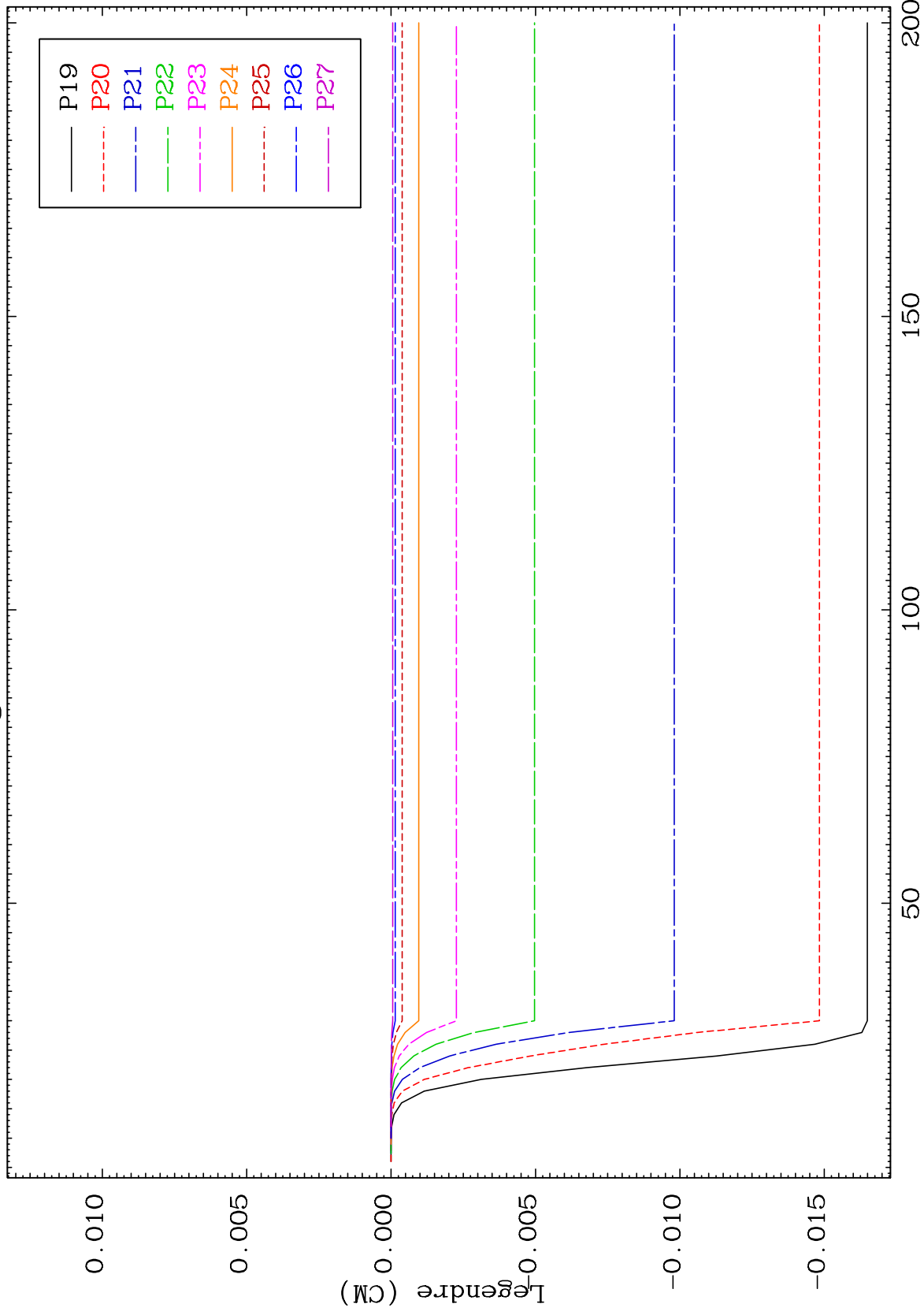
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

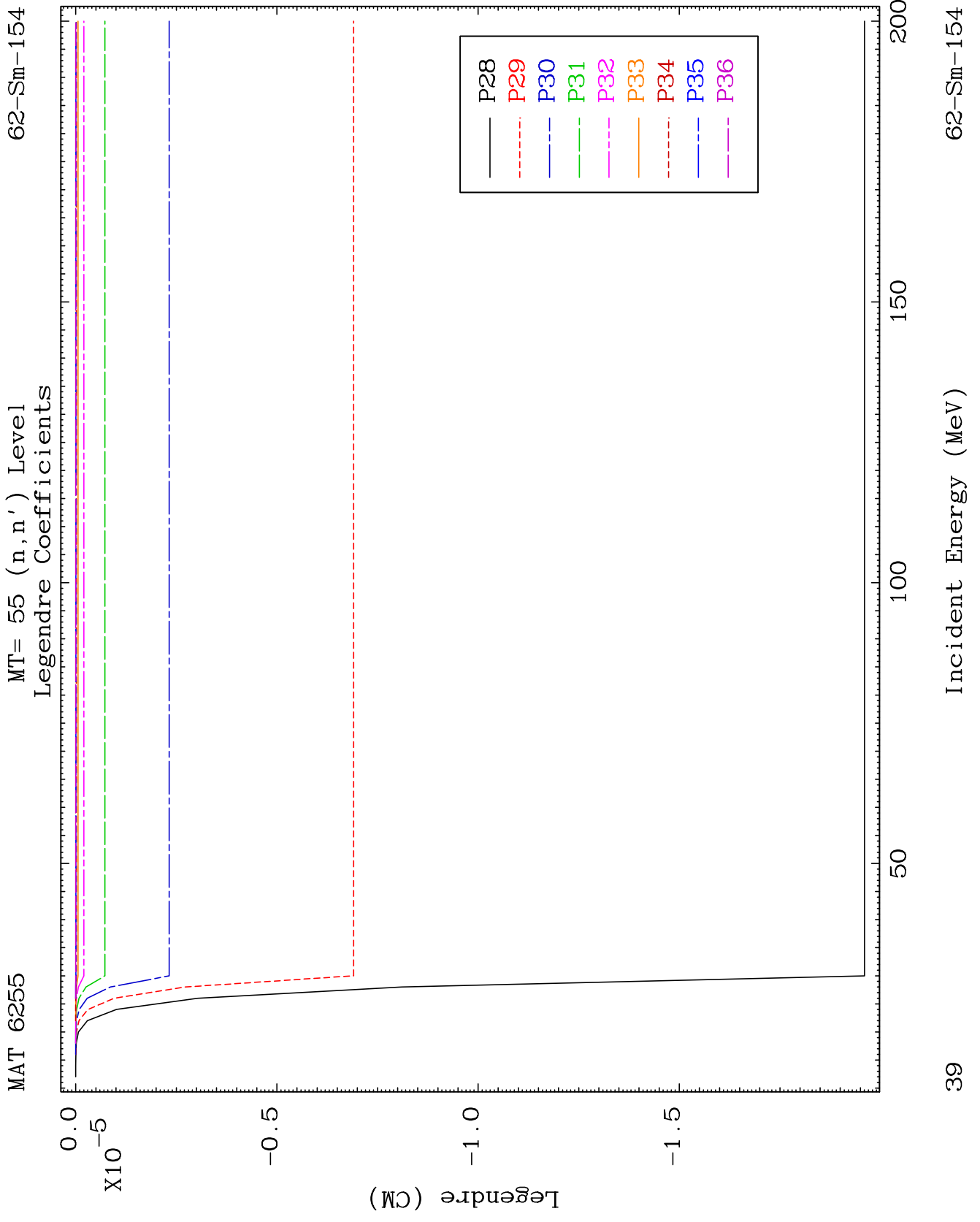
62-Sm-154



38

Incident Energy (MeV)

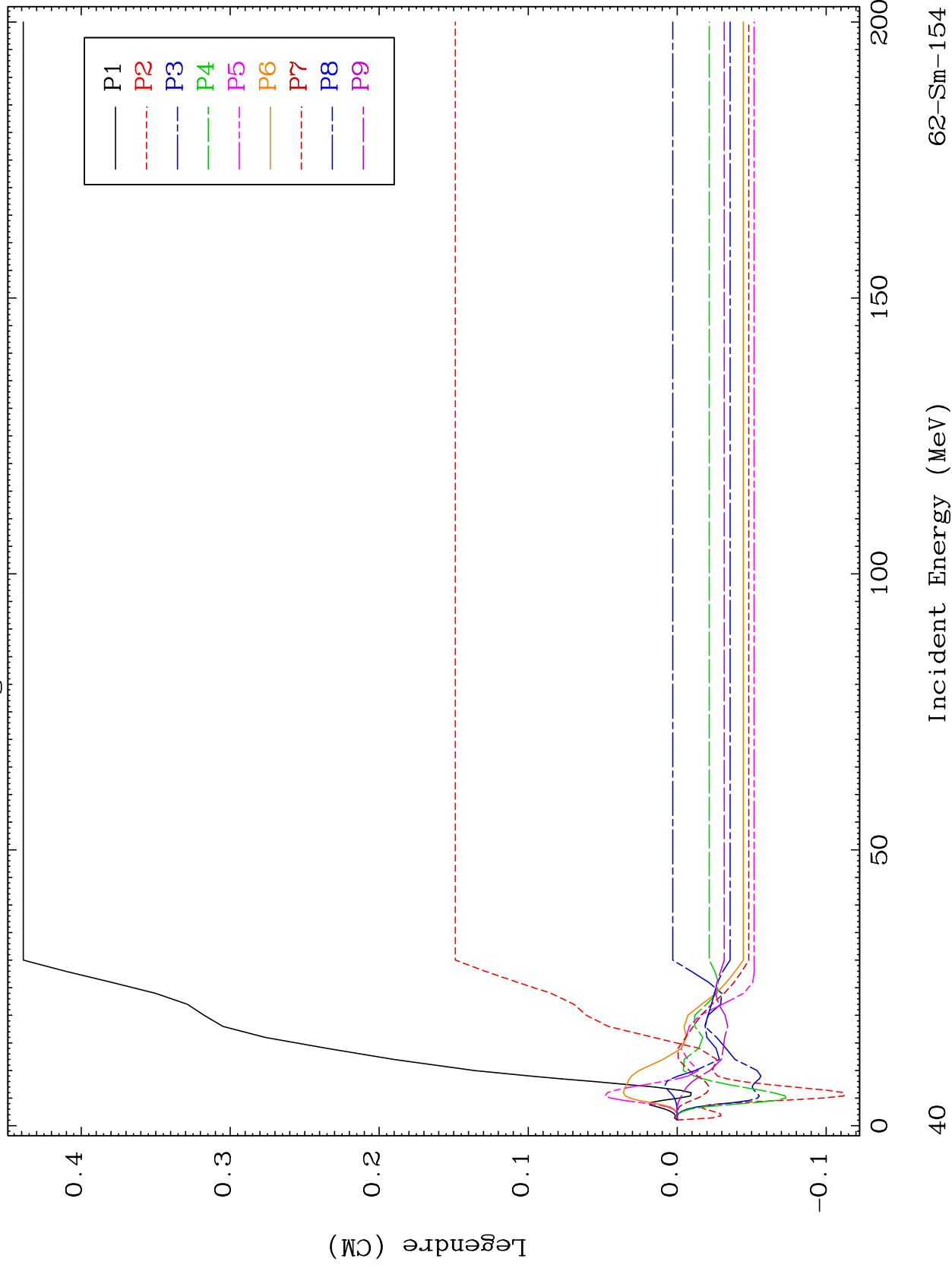
62-Sm-154



MAT 6255

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

62-Sm-154



62-Sm-154

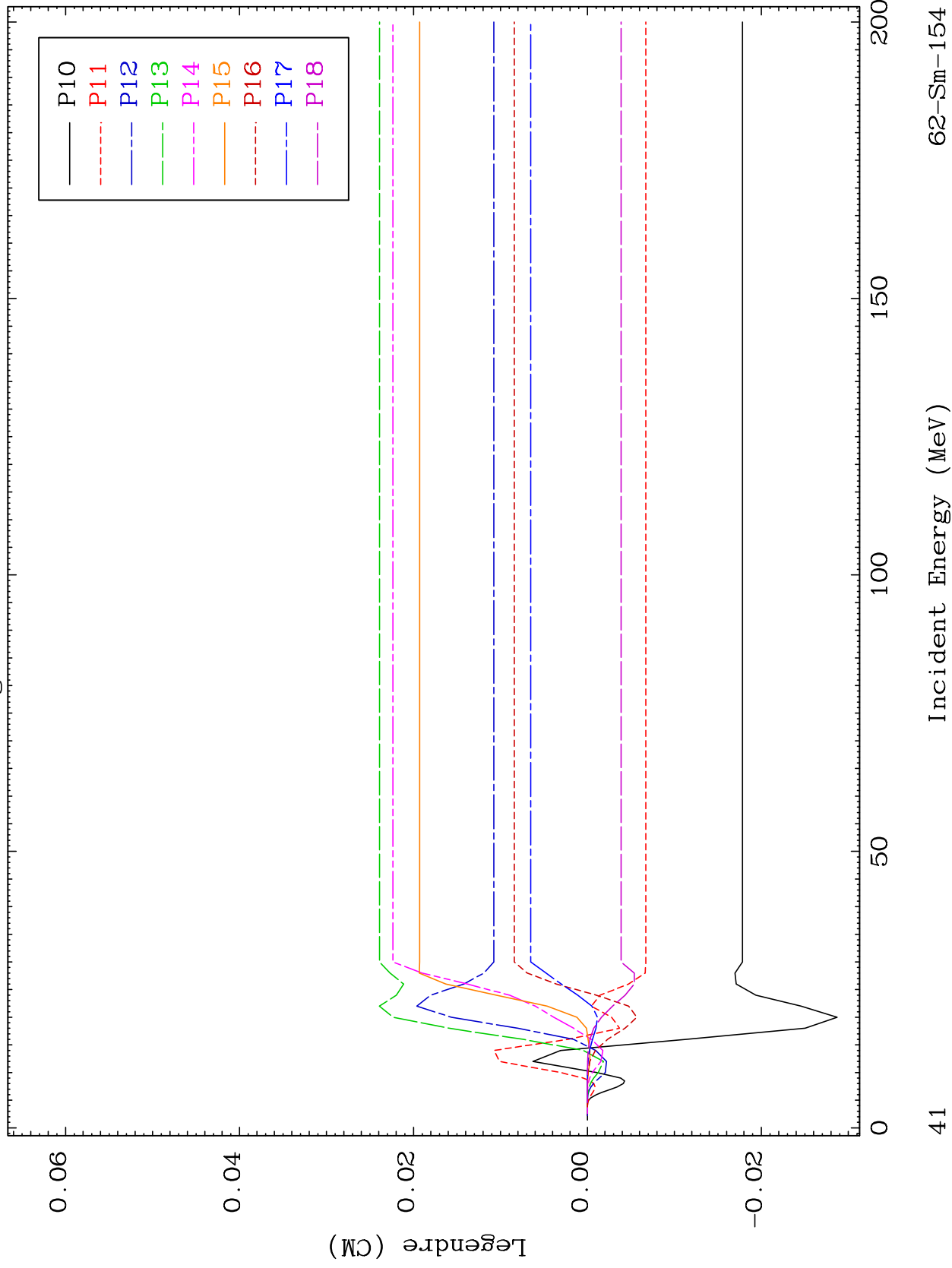
Incident Energy (MeV)

40

MAT 6255

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

62-Sm-154



41

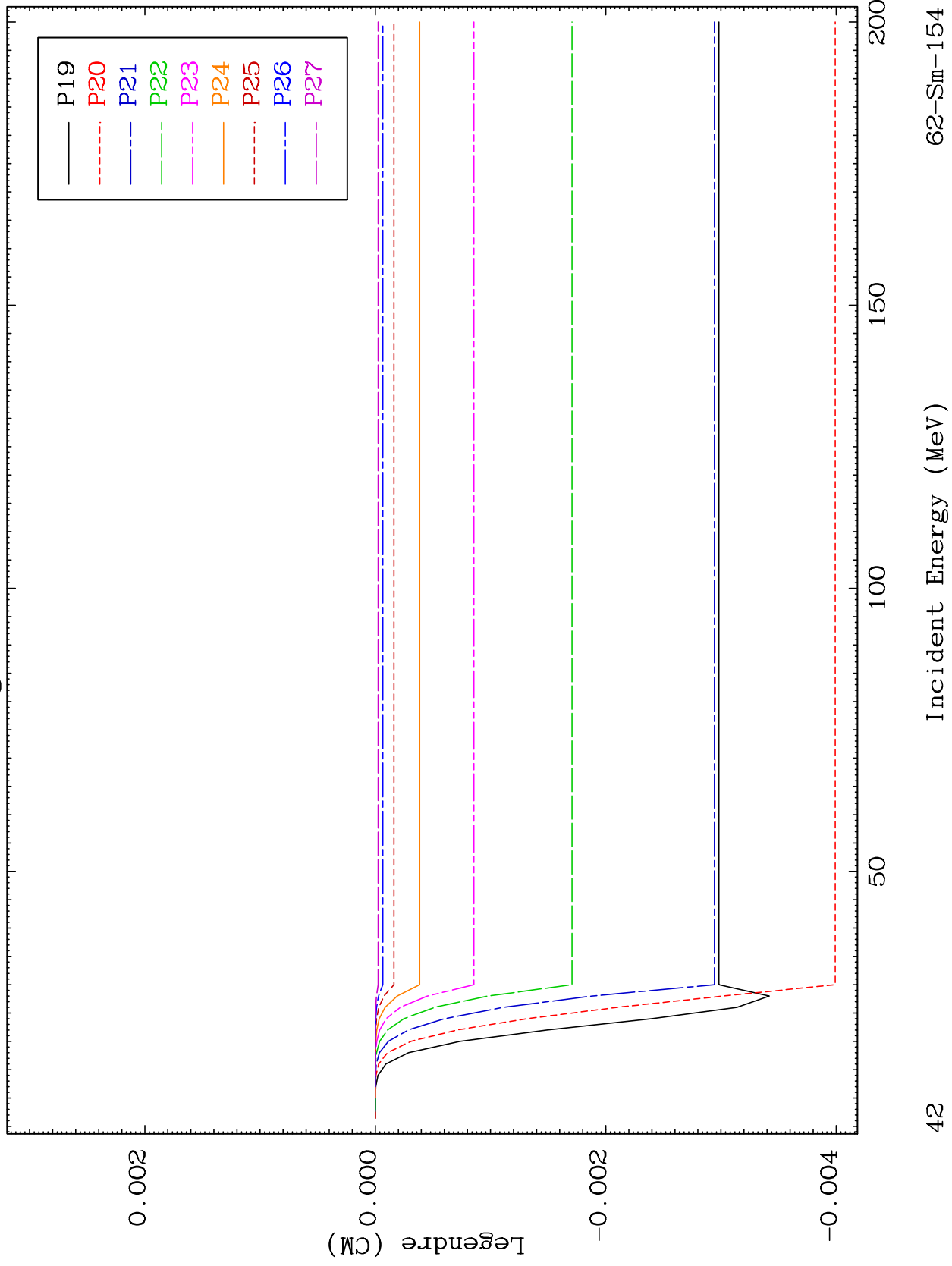
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

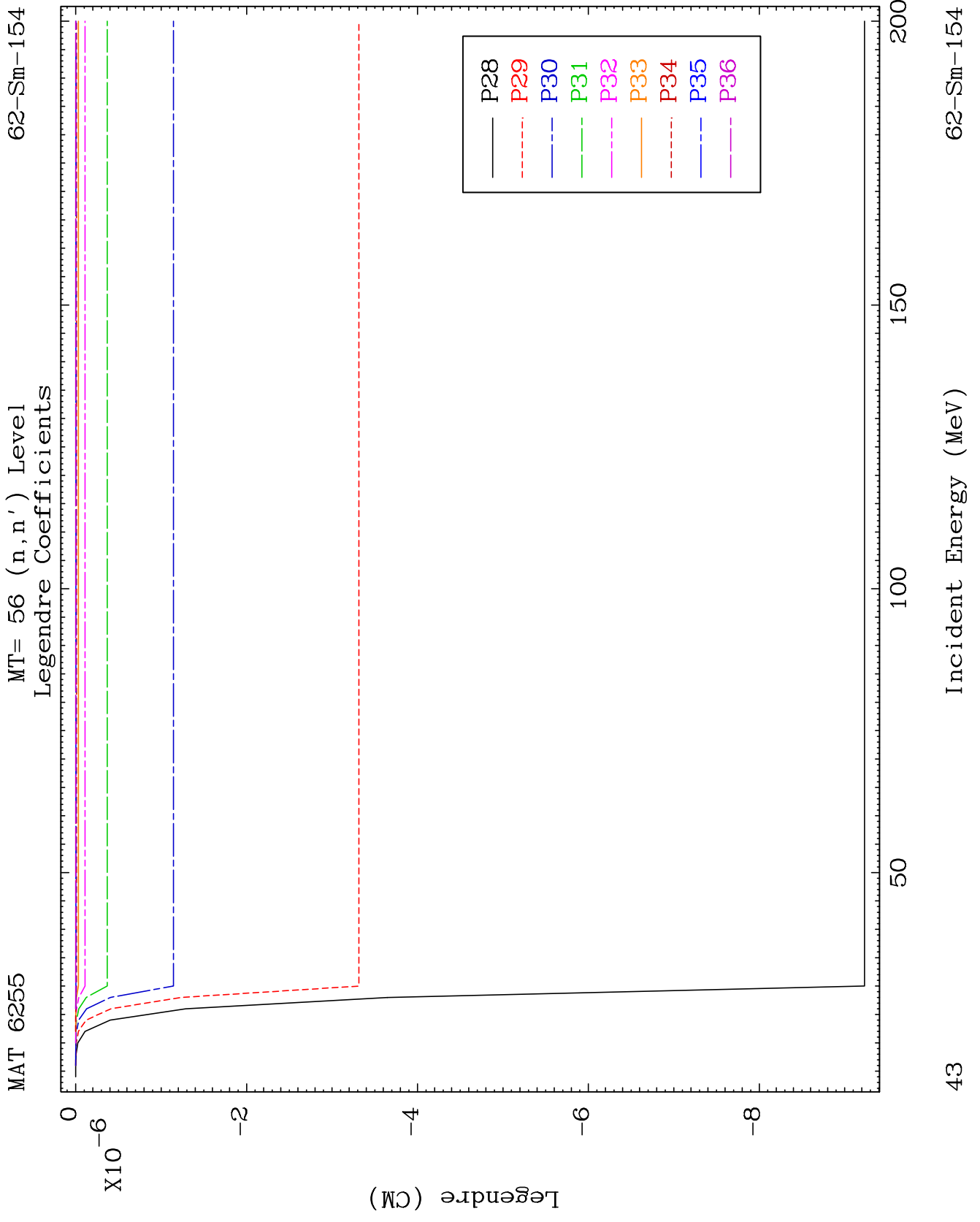
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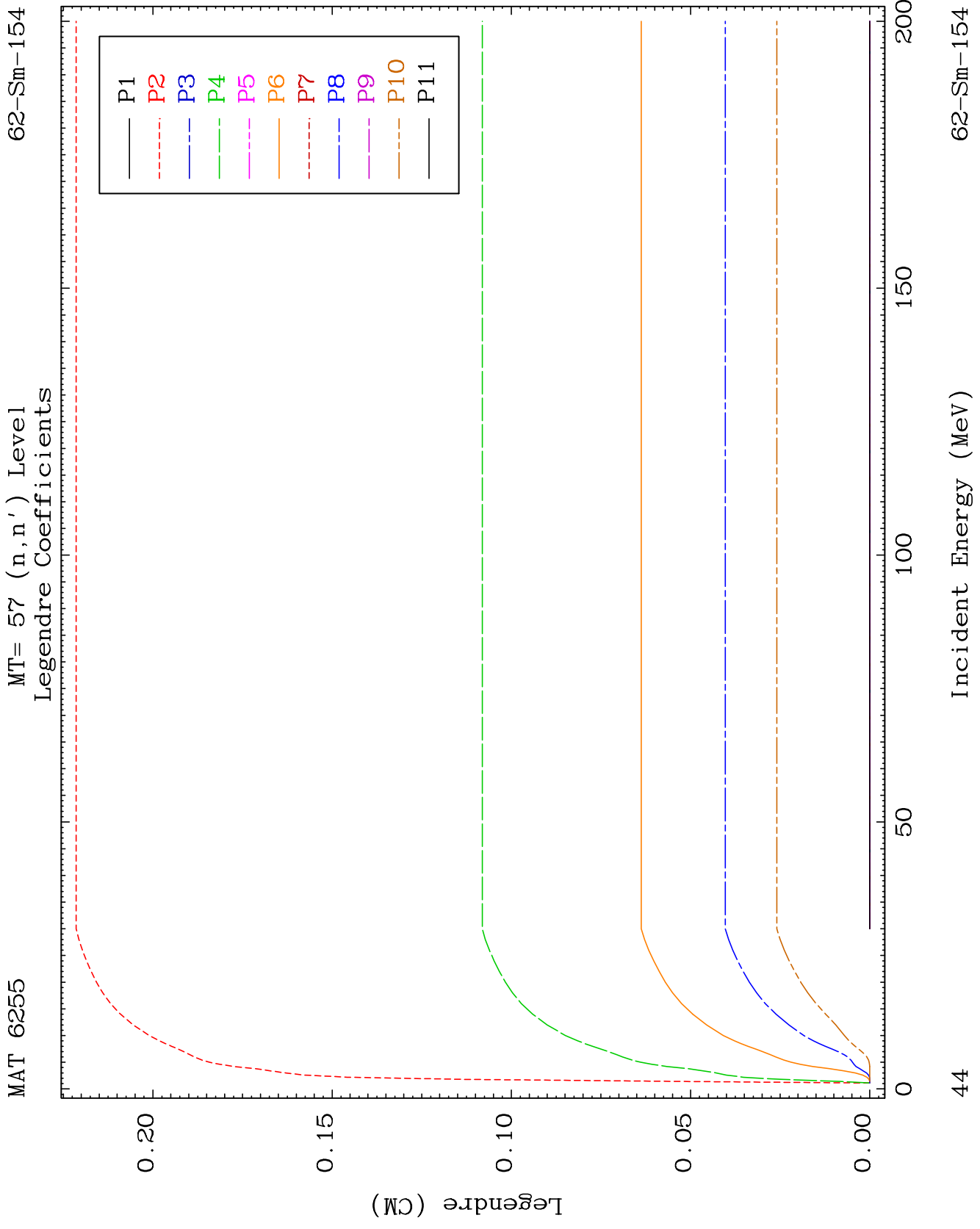


42

Incident Energy (MeV)

62-Sm-154

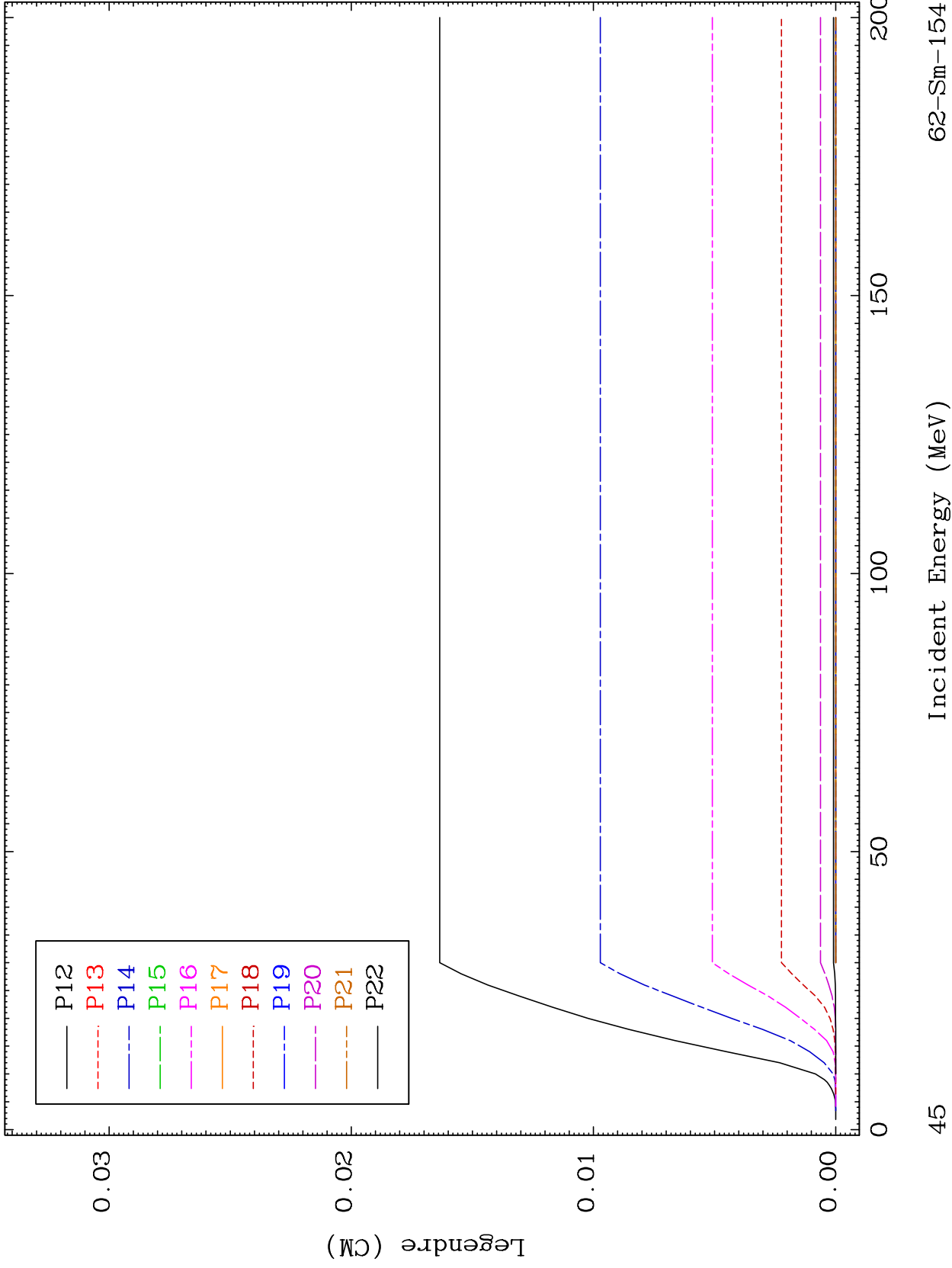




MAT 62555

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

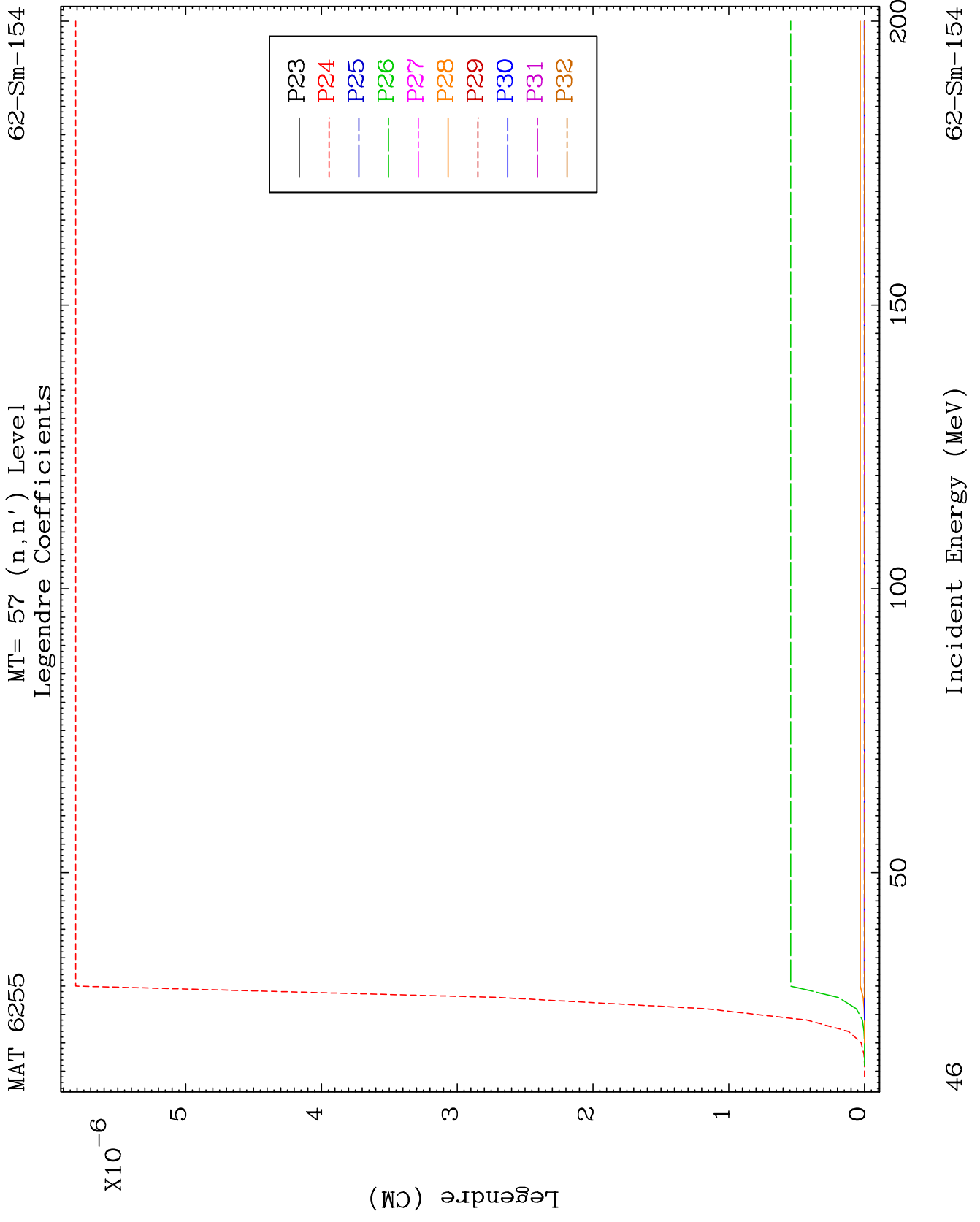
62-Sm-154



62-Sm-154

Incident Energy (MeV)

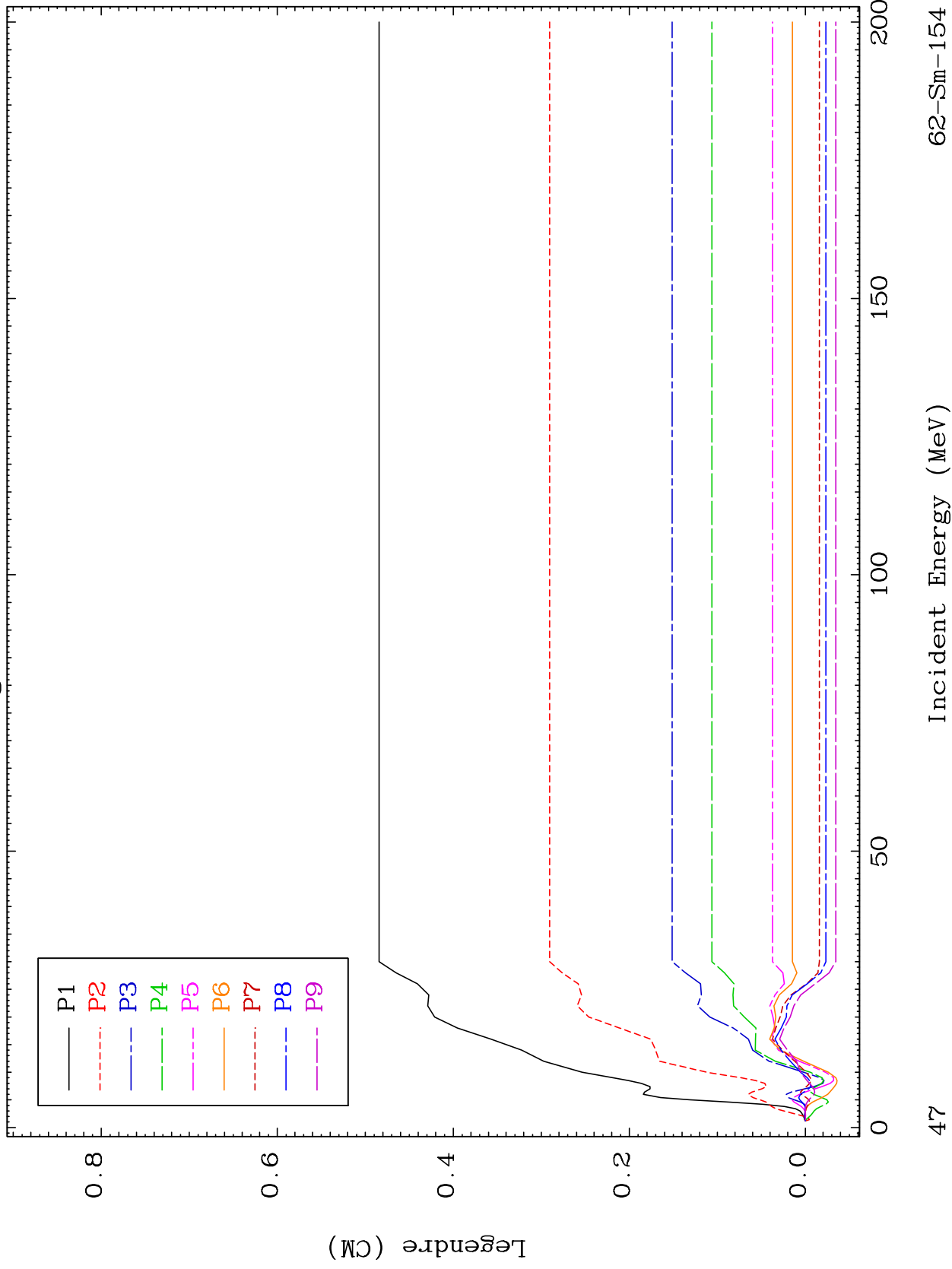
45



MAT 6255

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

62-Sm-154



47

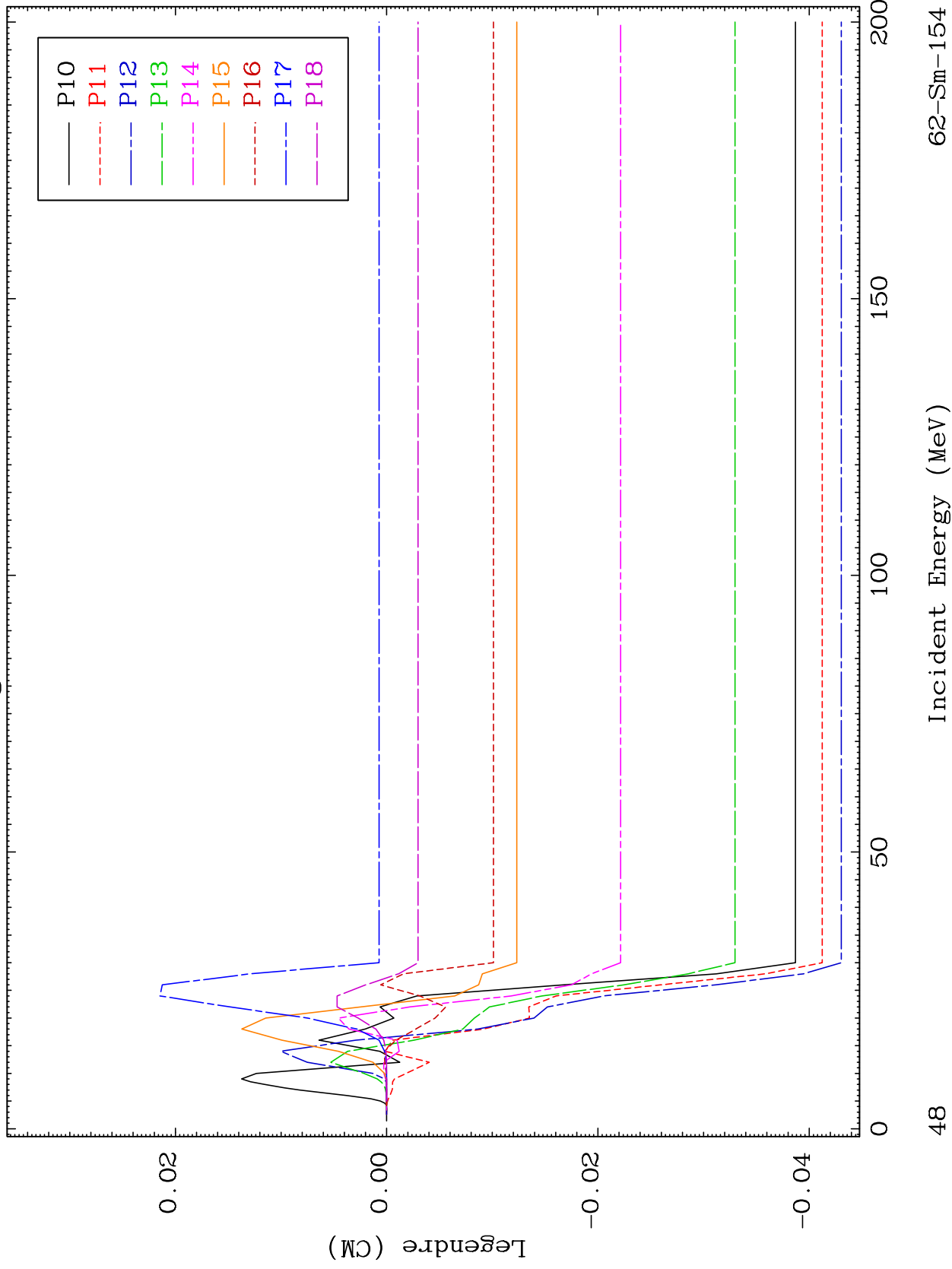
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



62-Sm-154

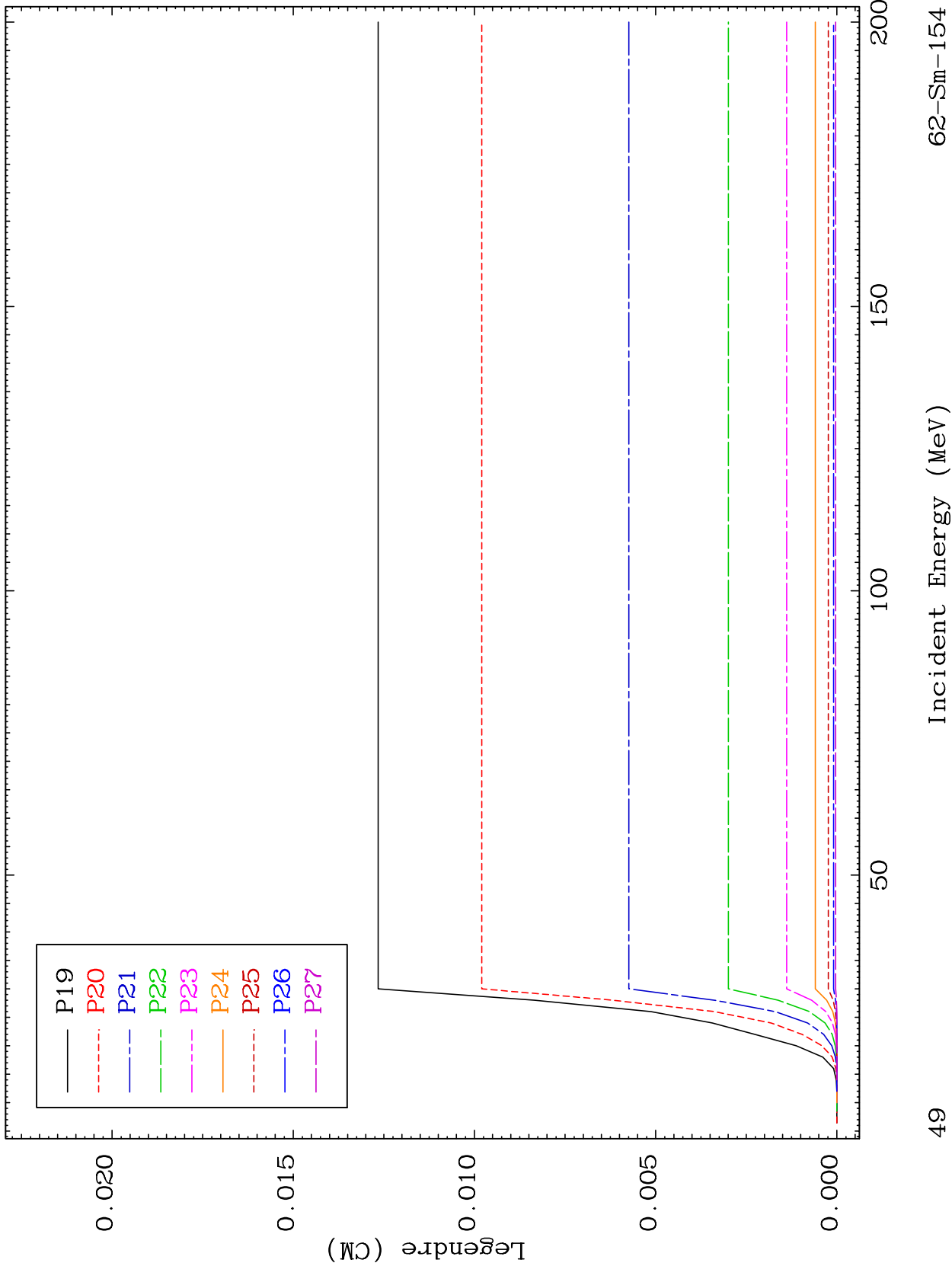
Incident Energy (MeV)

48

MAT 6255

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

62-Sm-154



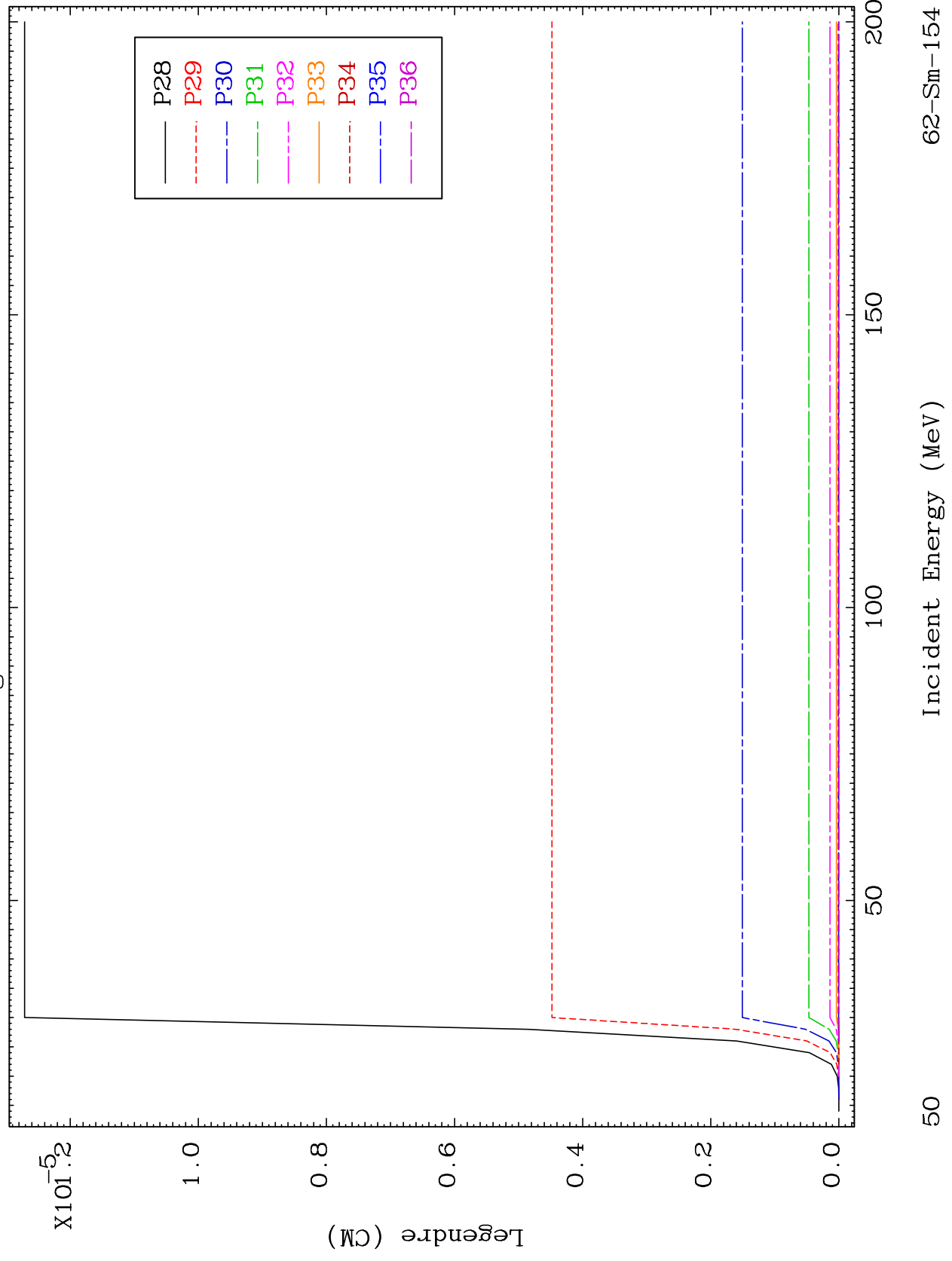
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62-Sm-154

MAT 6255

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

62-Sm-154



62-Sm-154

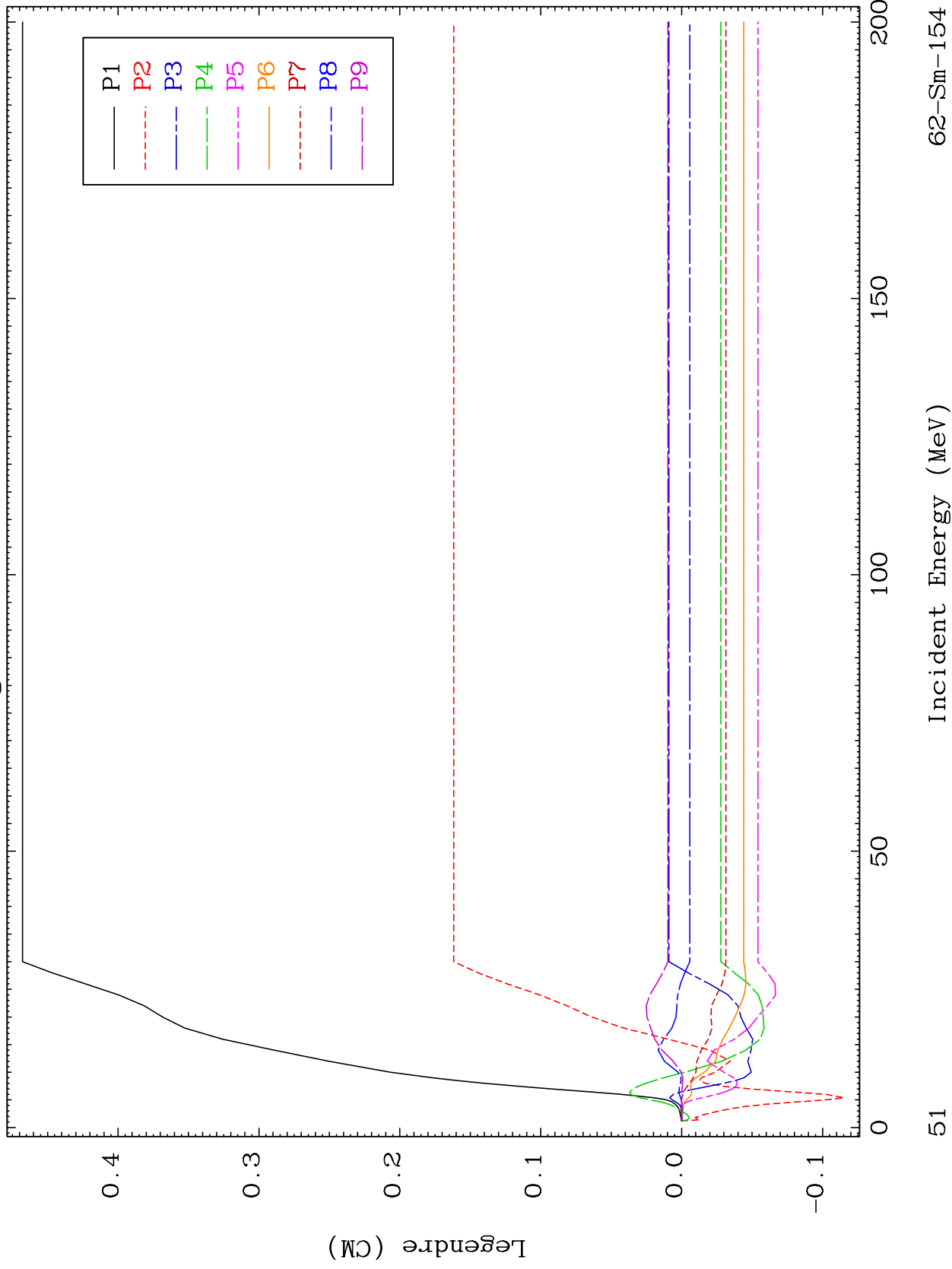
Incident Energy (MeV)

50

MAT 6255

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

62-Sm-154



62-Sm-154

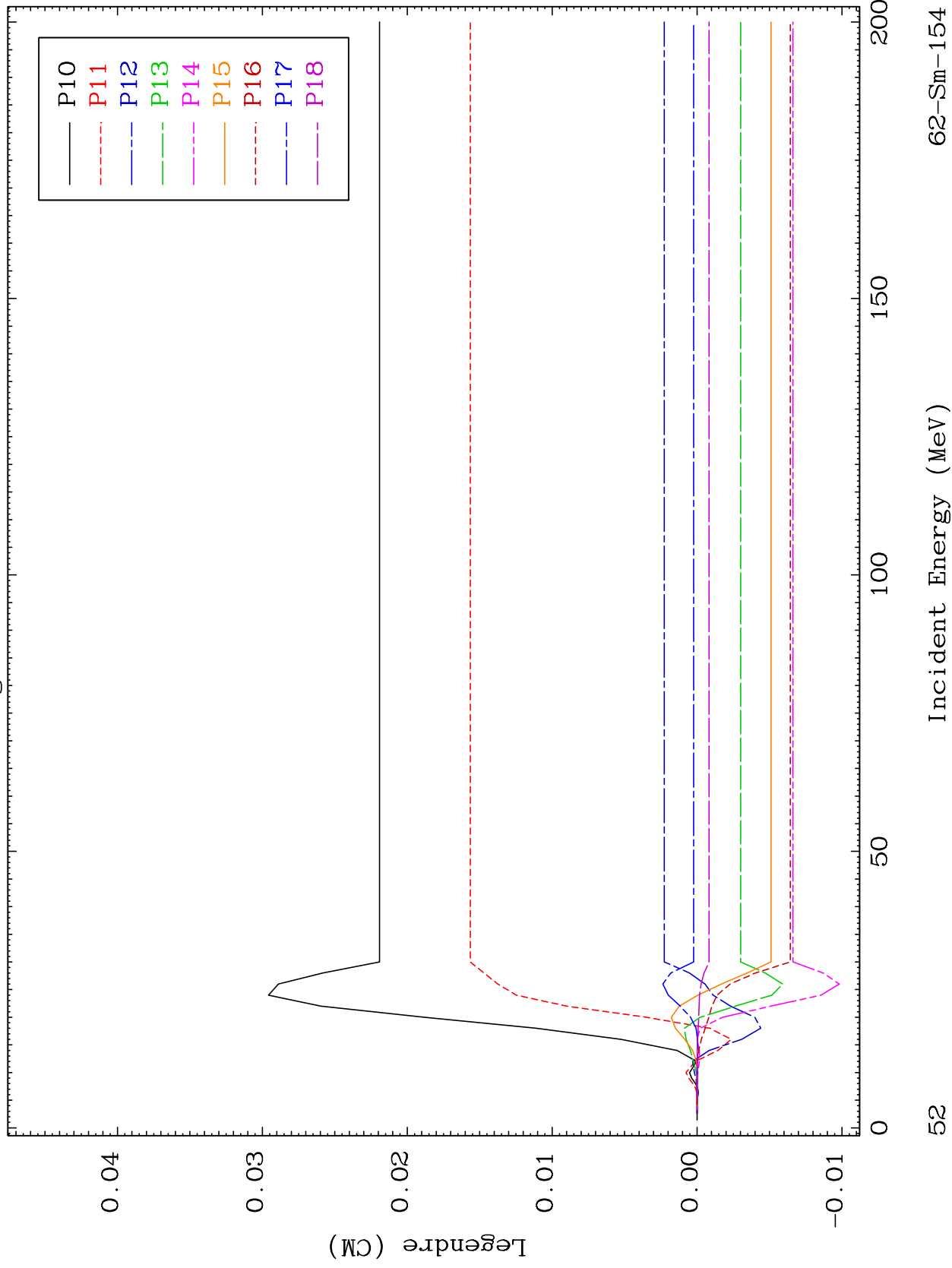
Incident Energy (MeV)

51

MAT 6255

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

62-Sm-154



52

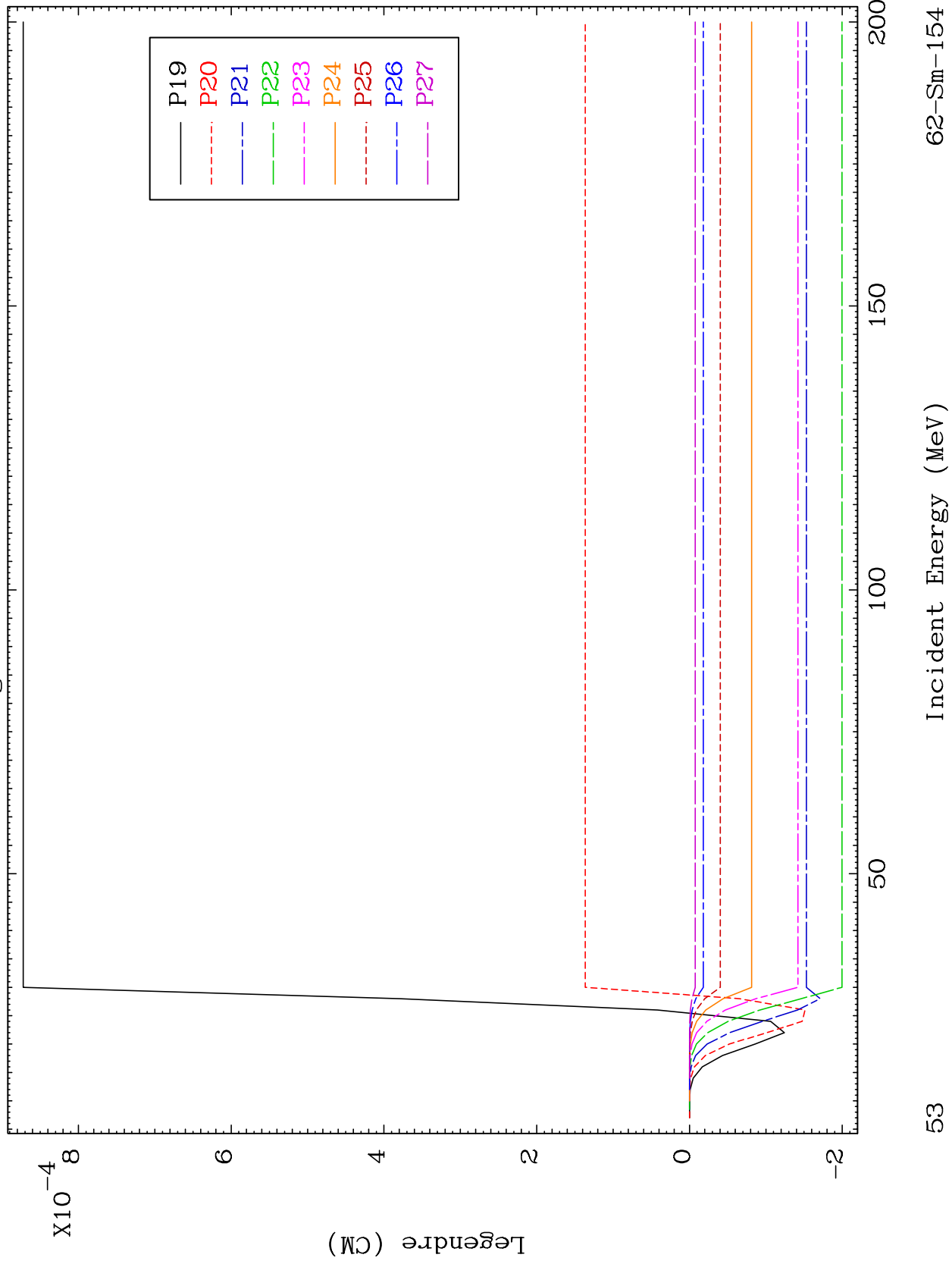
Incident Energy (MeV)

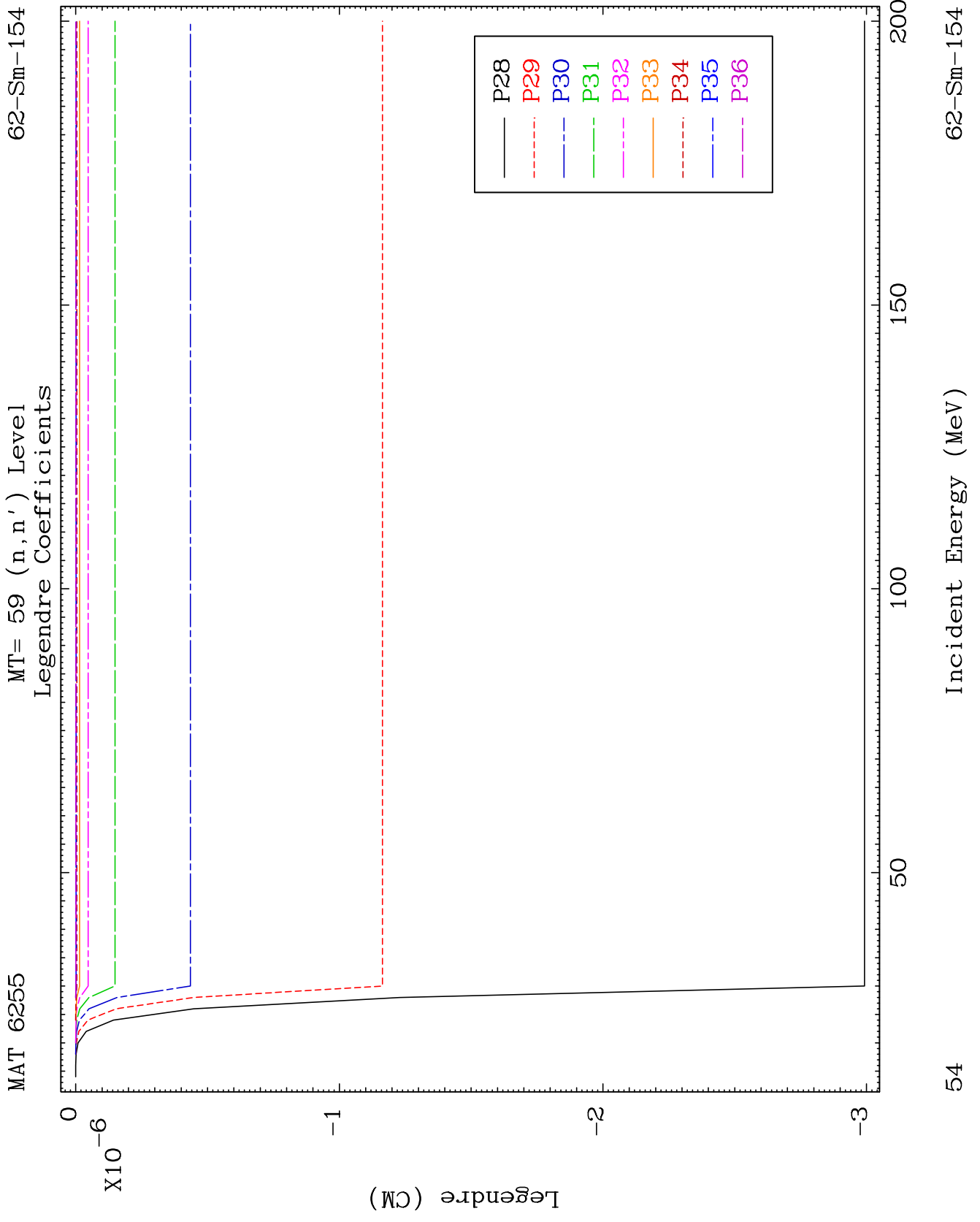
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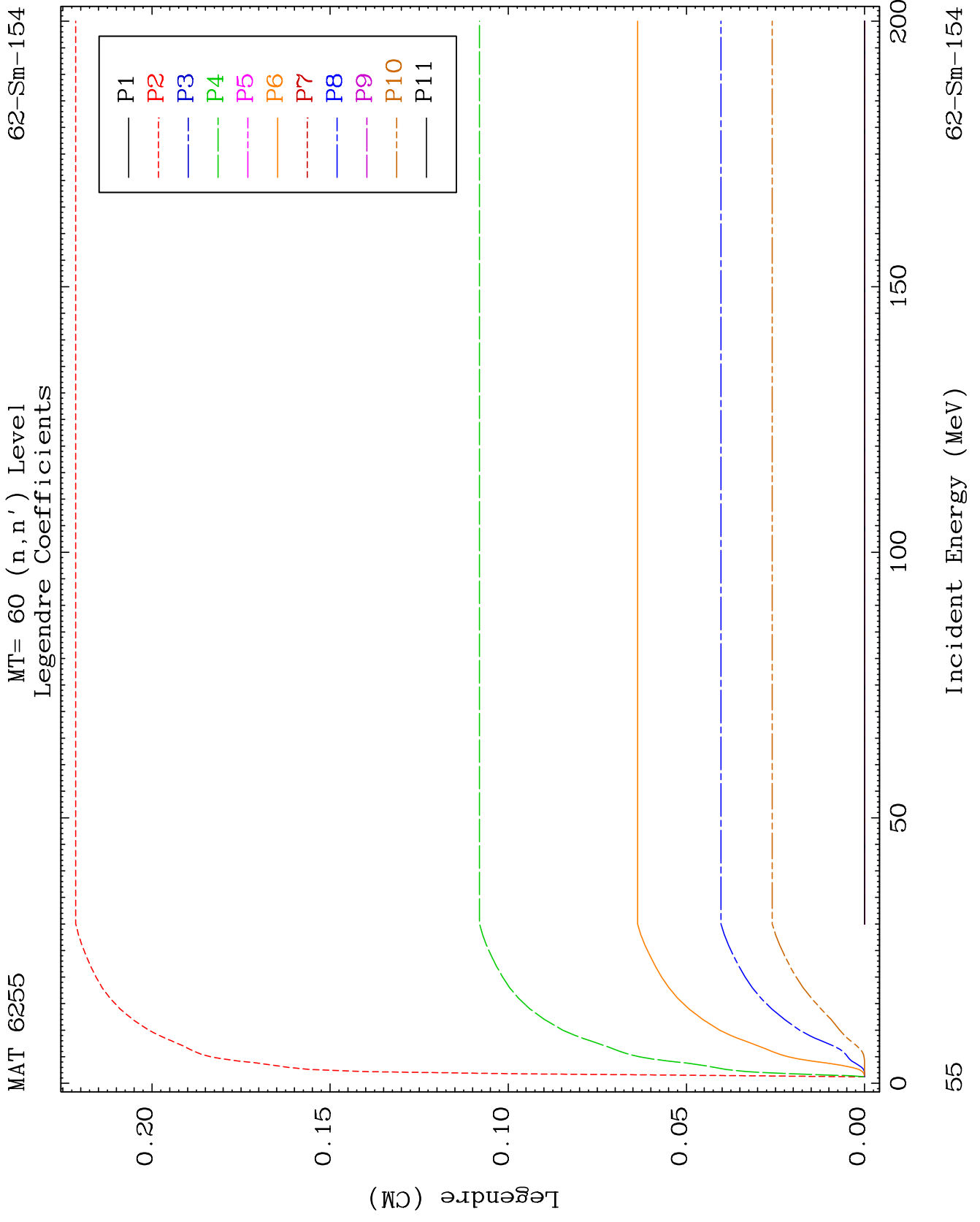
MAT 6255

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

62-Sm-154



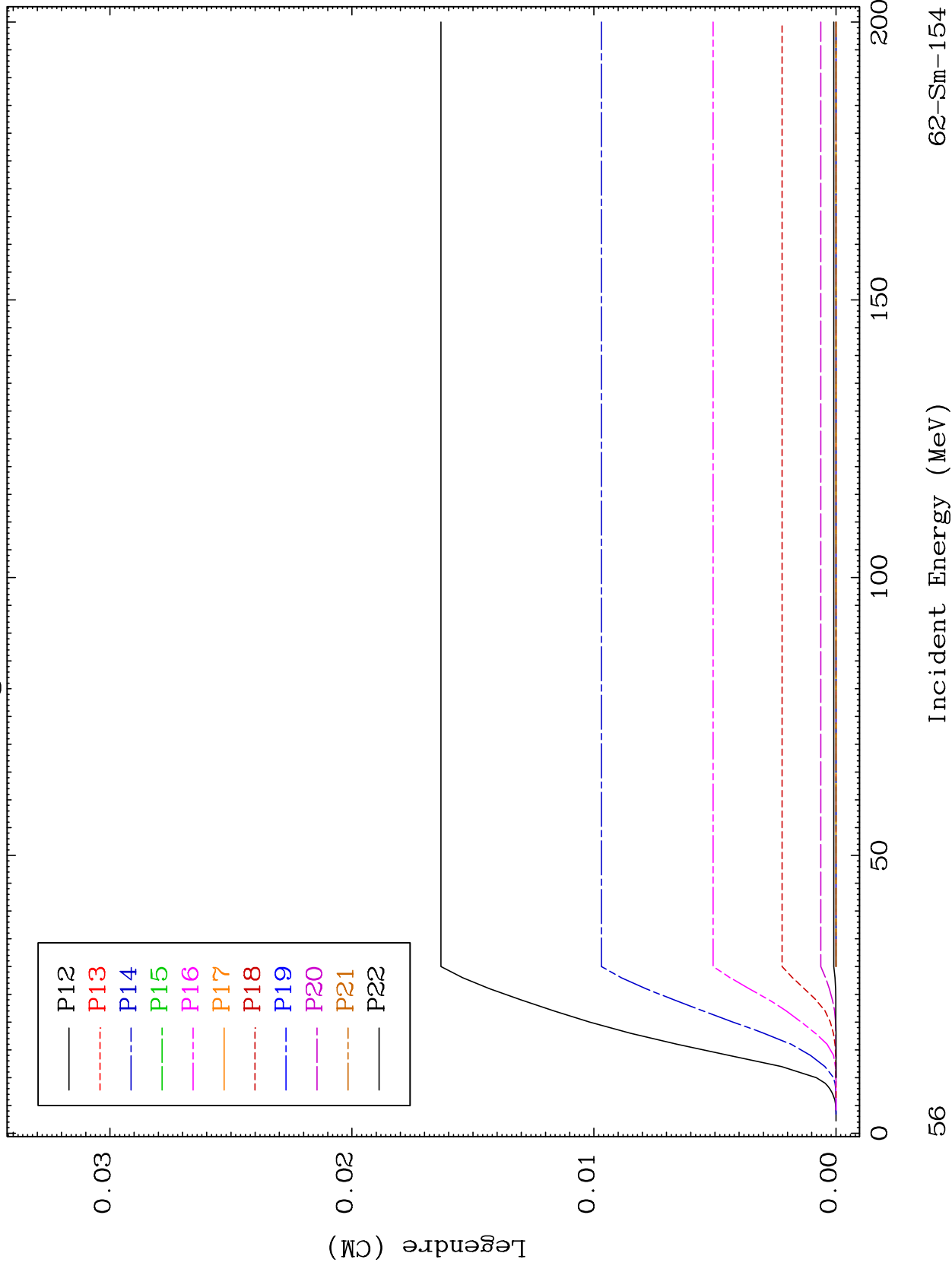


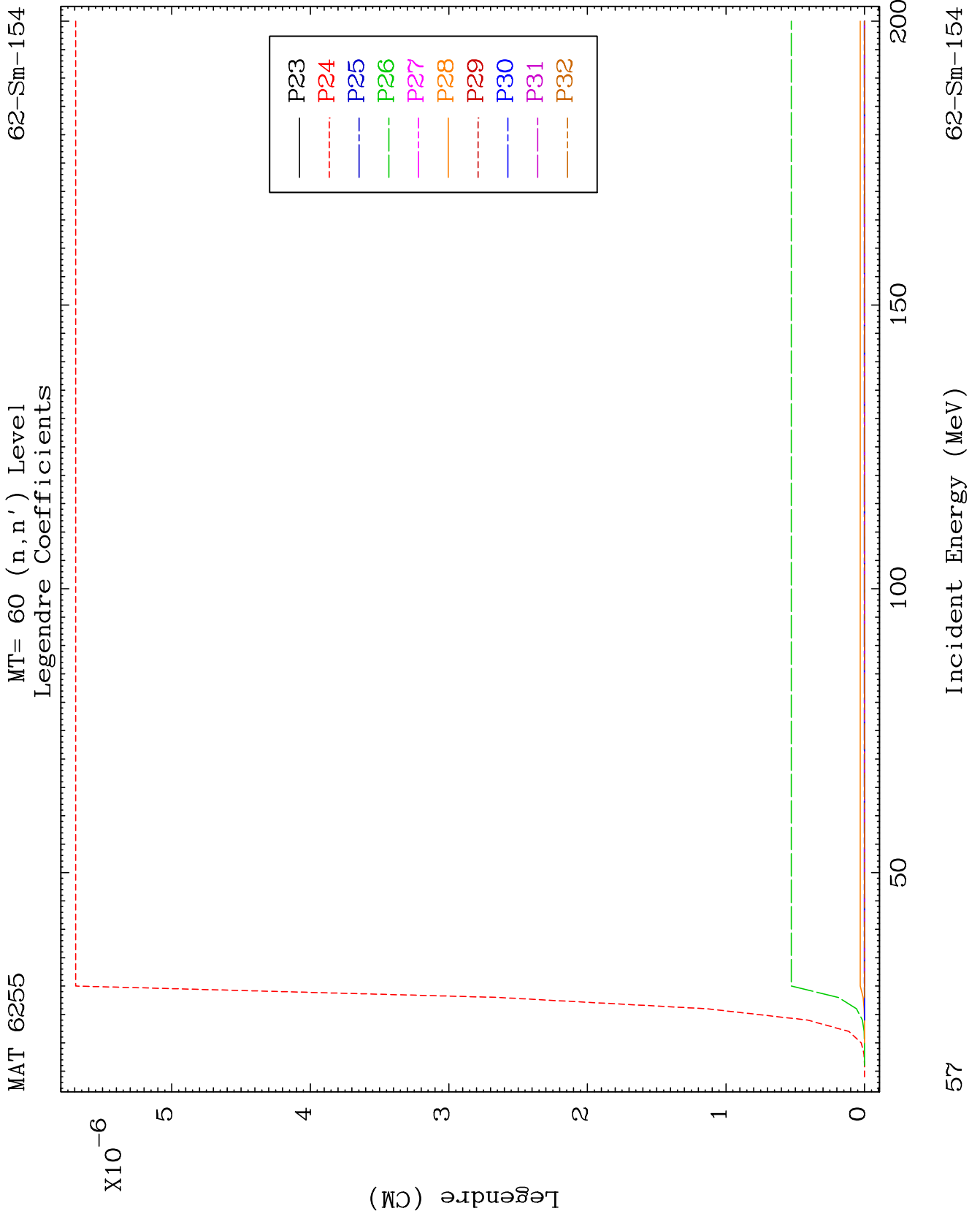


MAT 6255

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

62-Sm-154

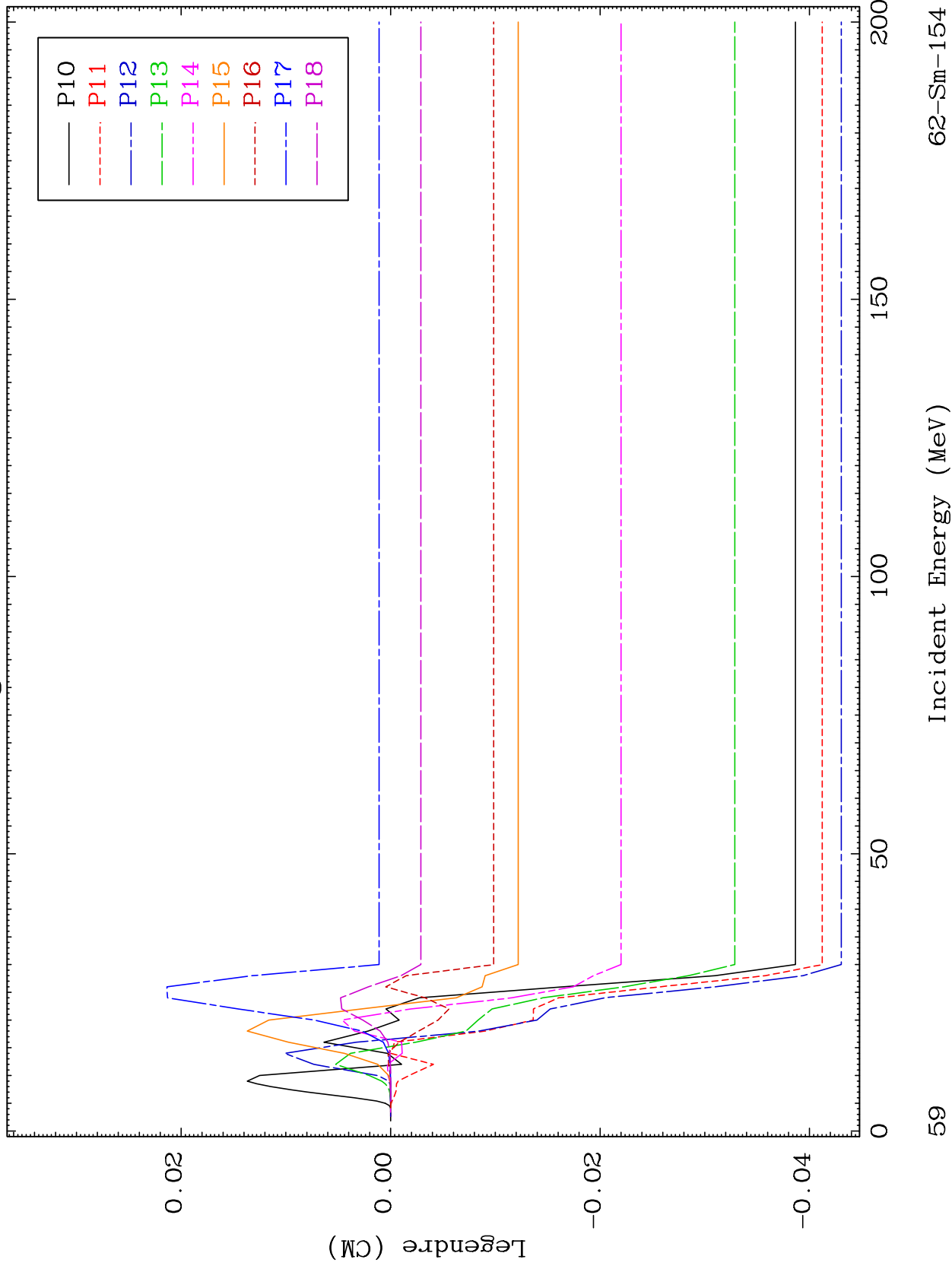




MAT 6255

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

62-Sm-154

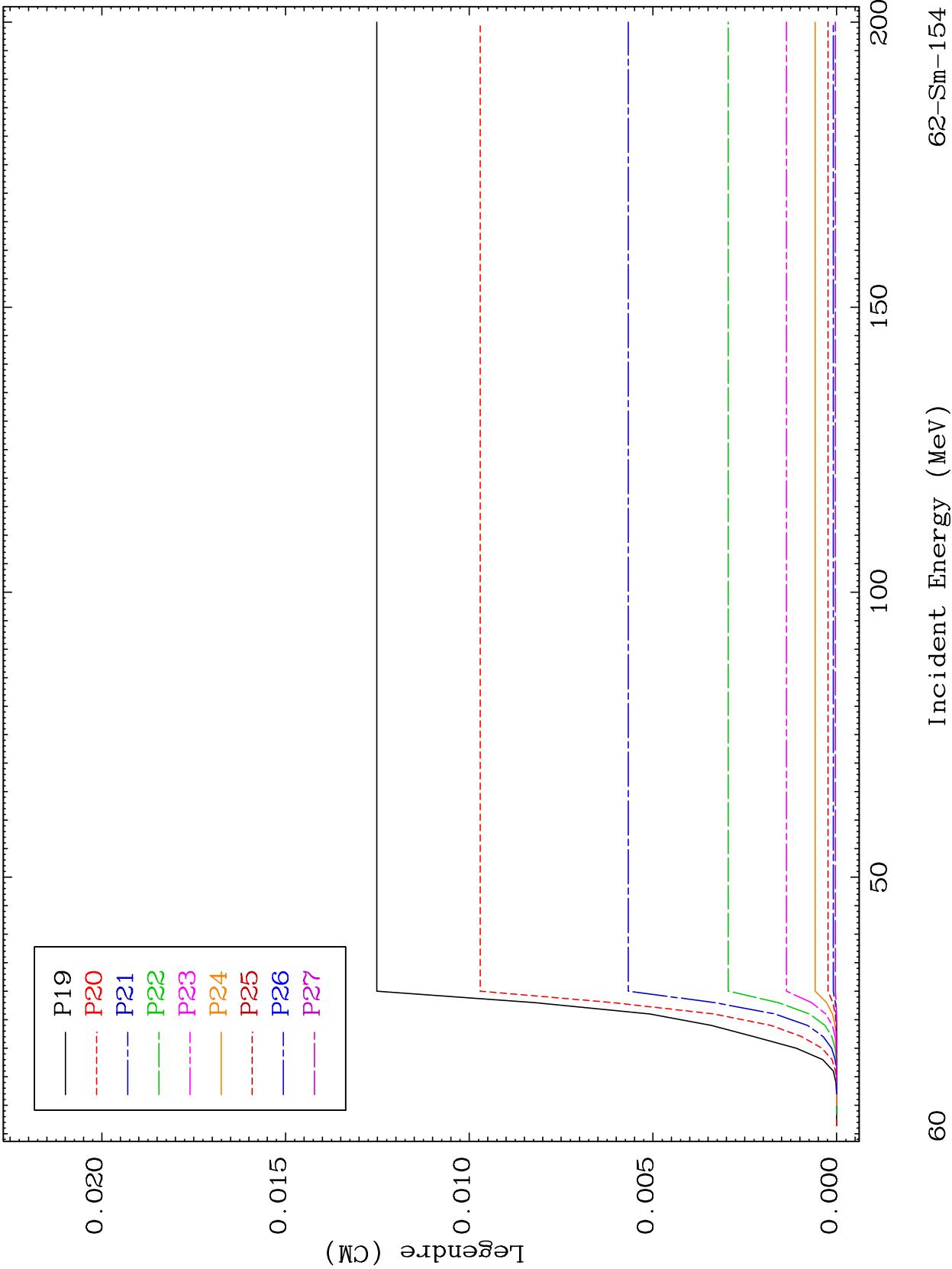


59

MAT 6255

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

62-Sm-154



60

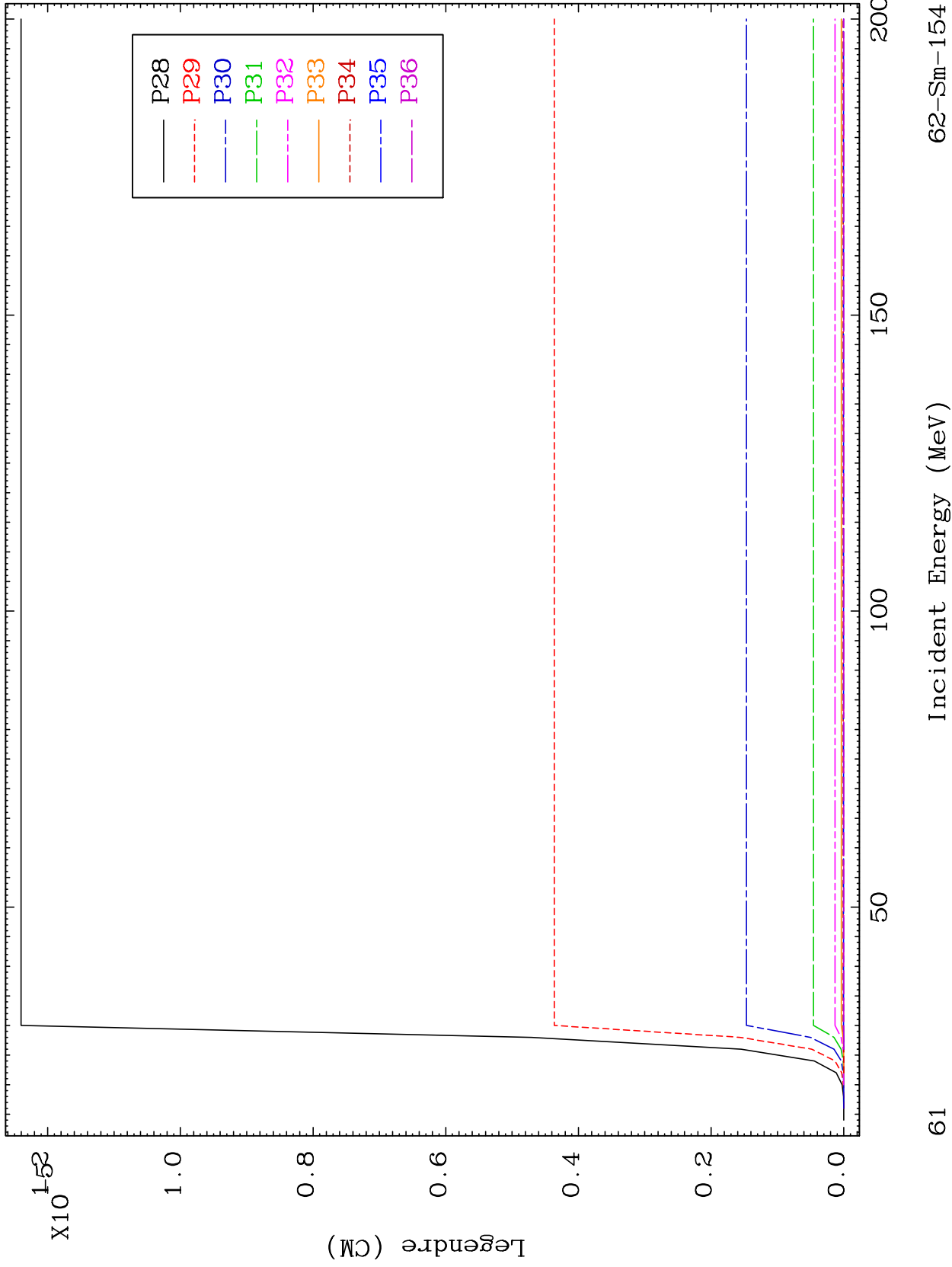
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

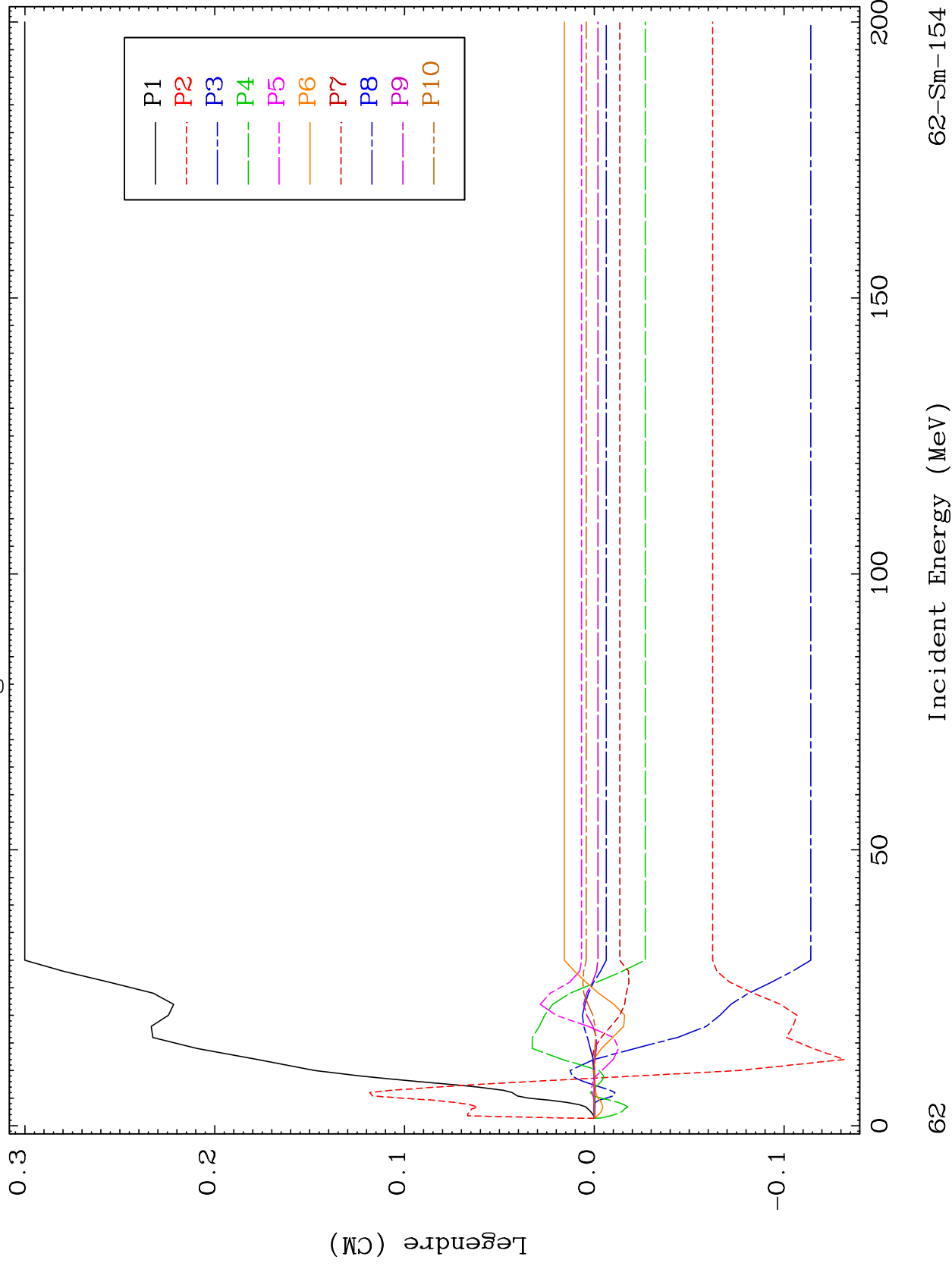
62-Sm-154

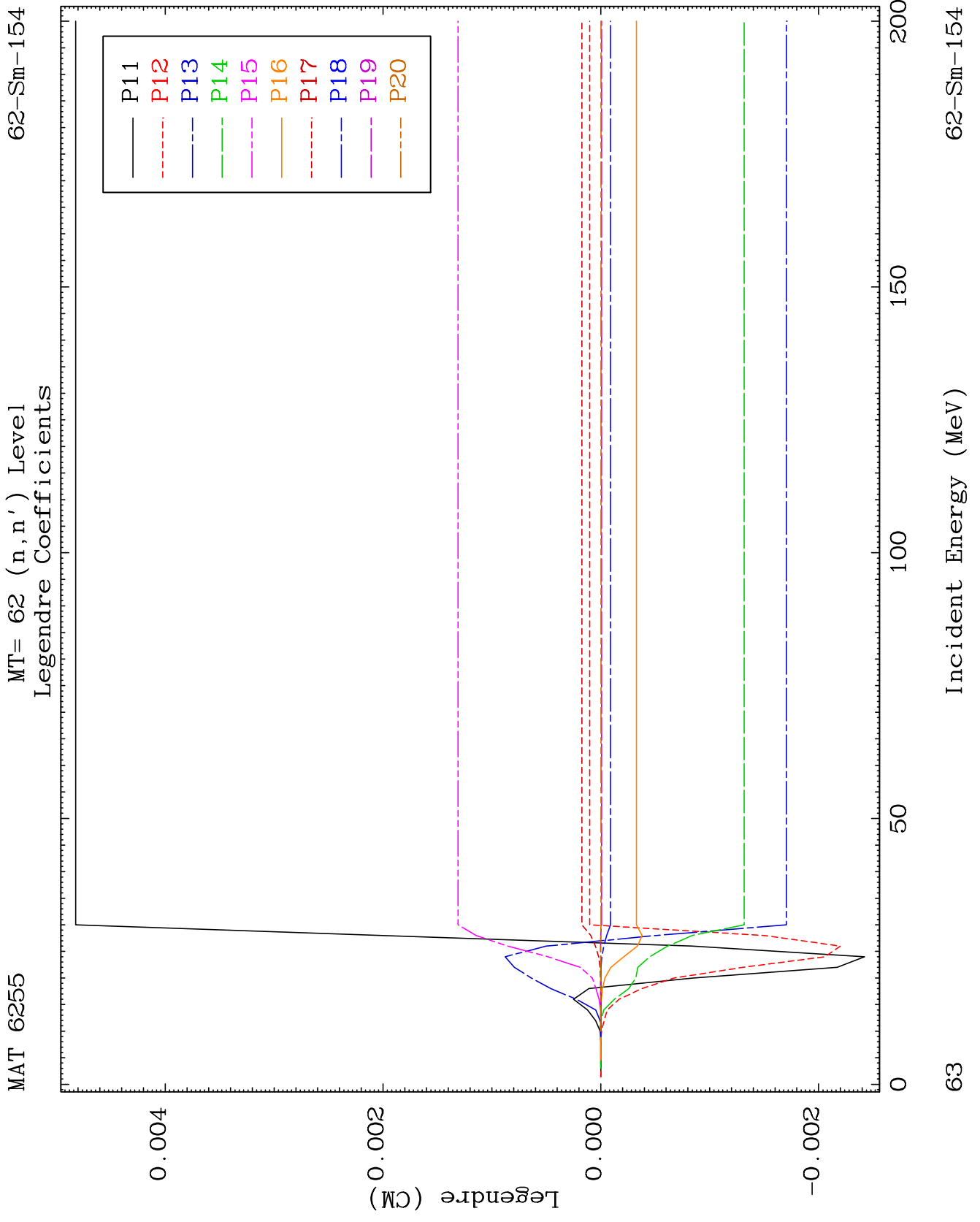


MAT 6255

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

62-Sm-154

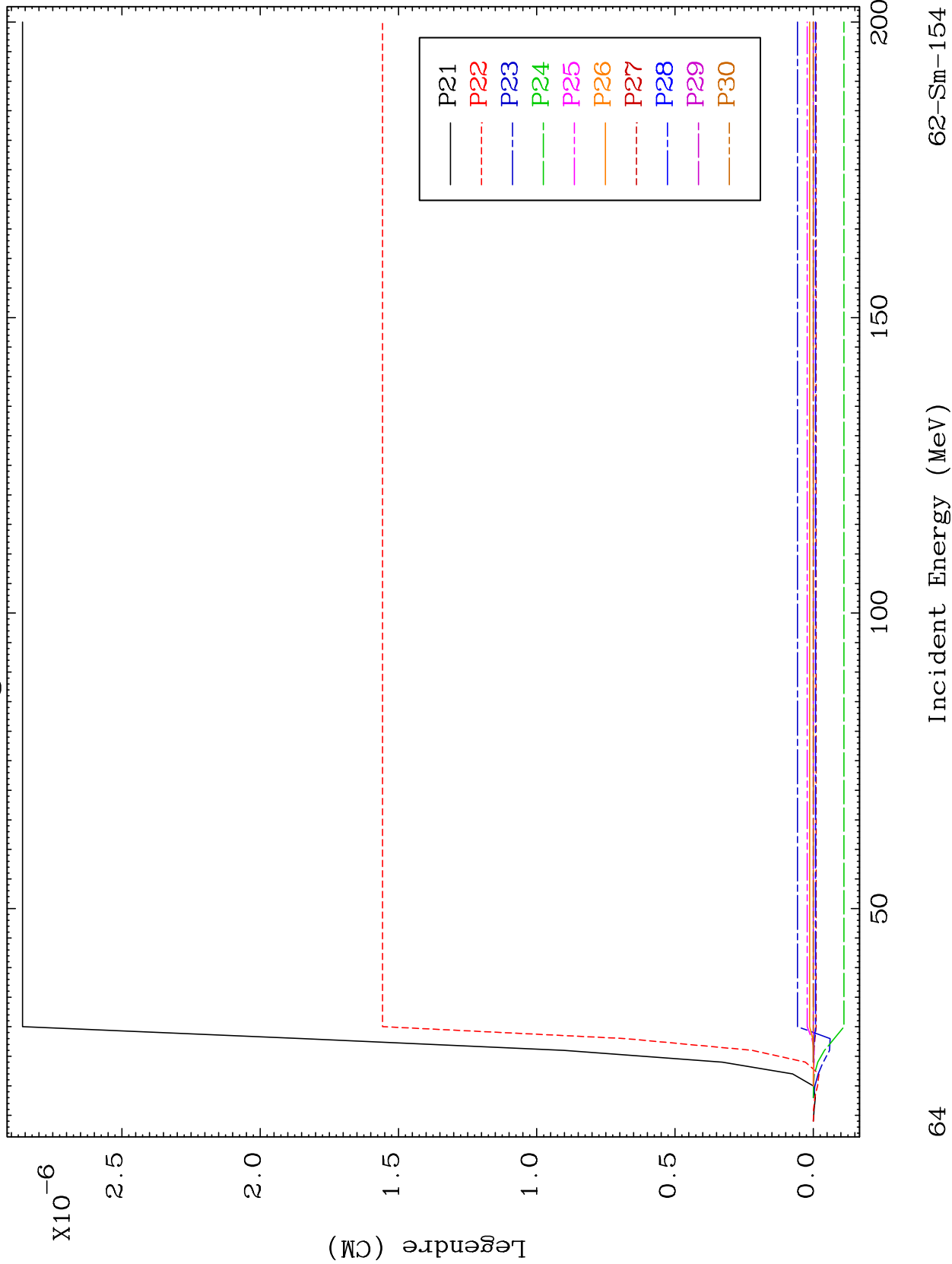




MAT 6255

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

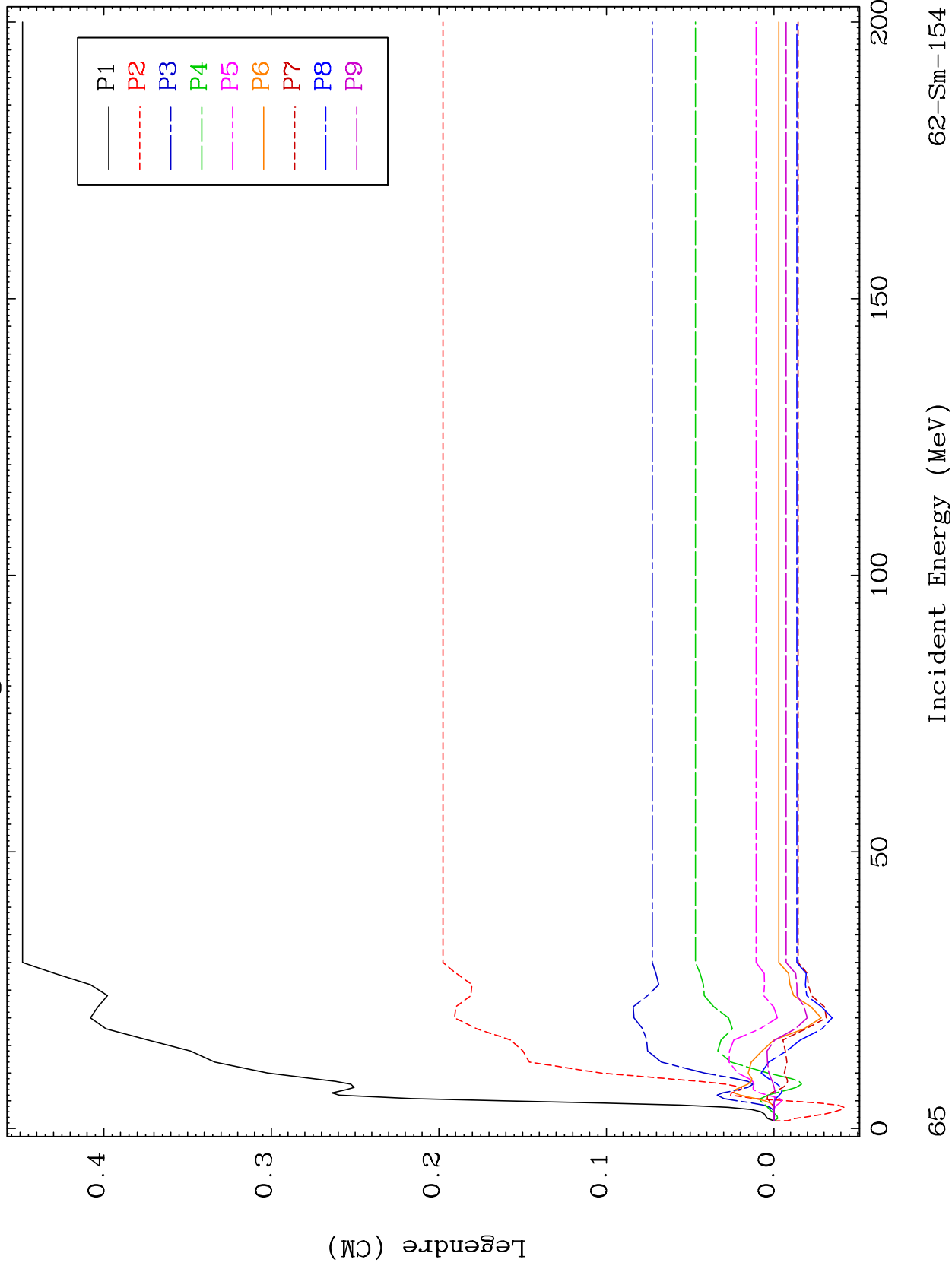
62-Sm-154



MAT 6255

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

62-Sm-154



62-Sm-154

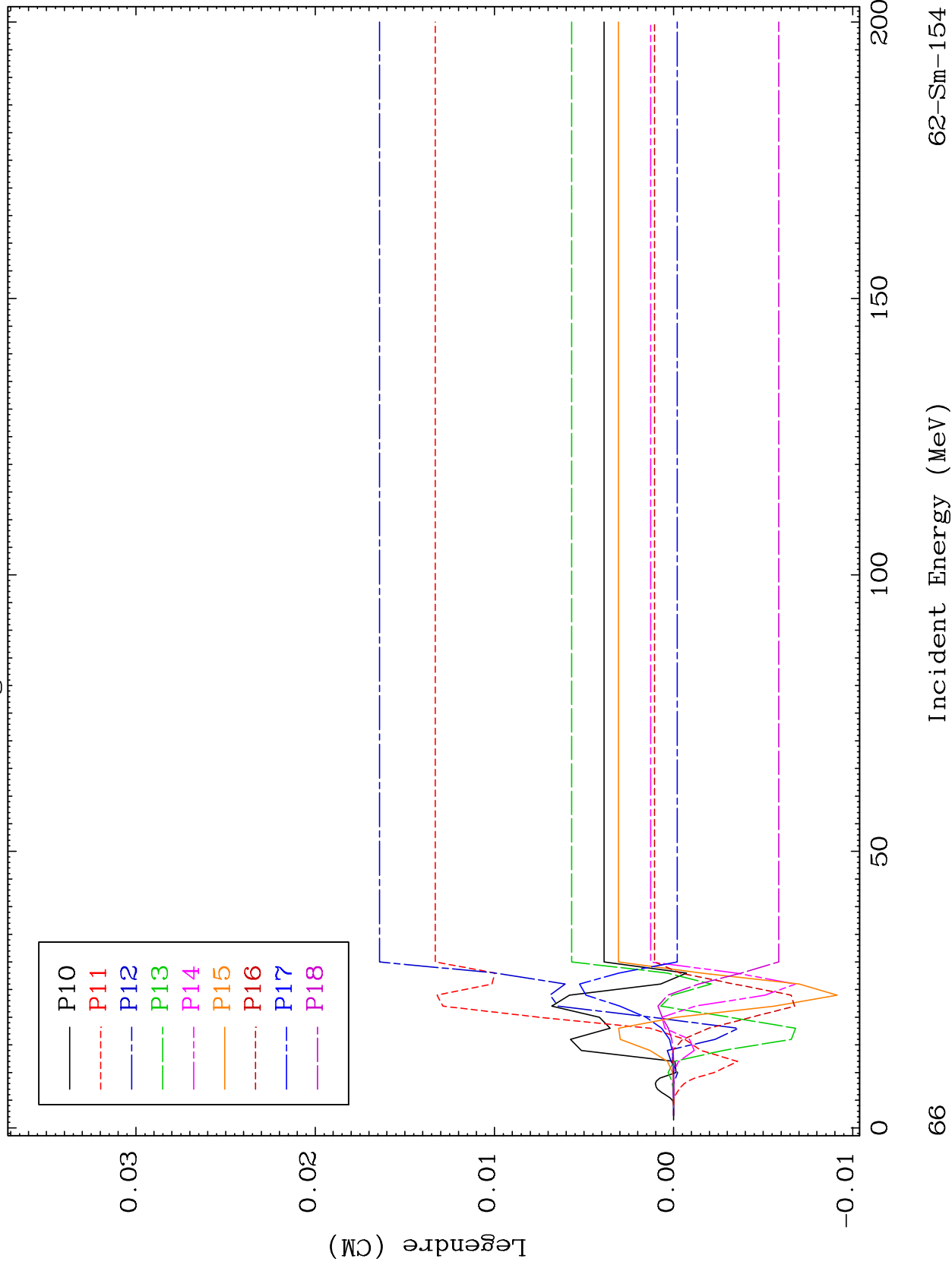
Incident Energy (MeV)

65

MAT 6255

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

62-Sm-154



66

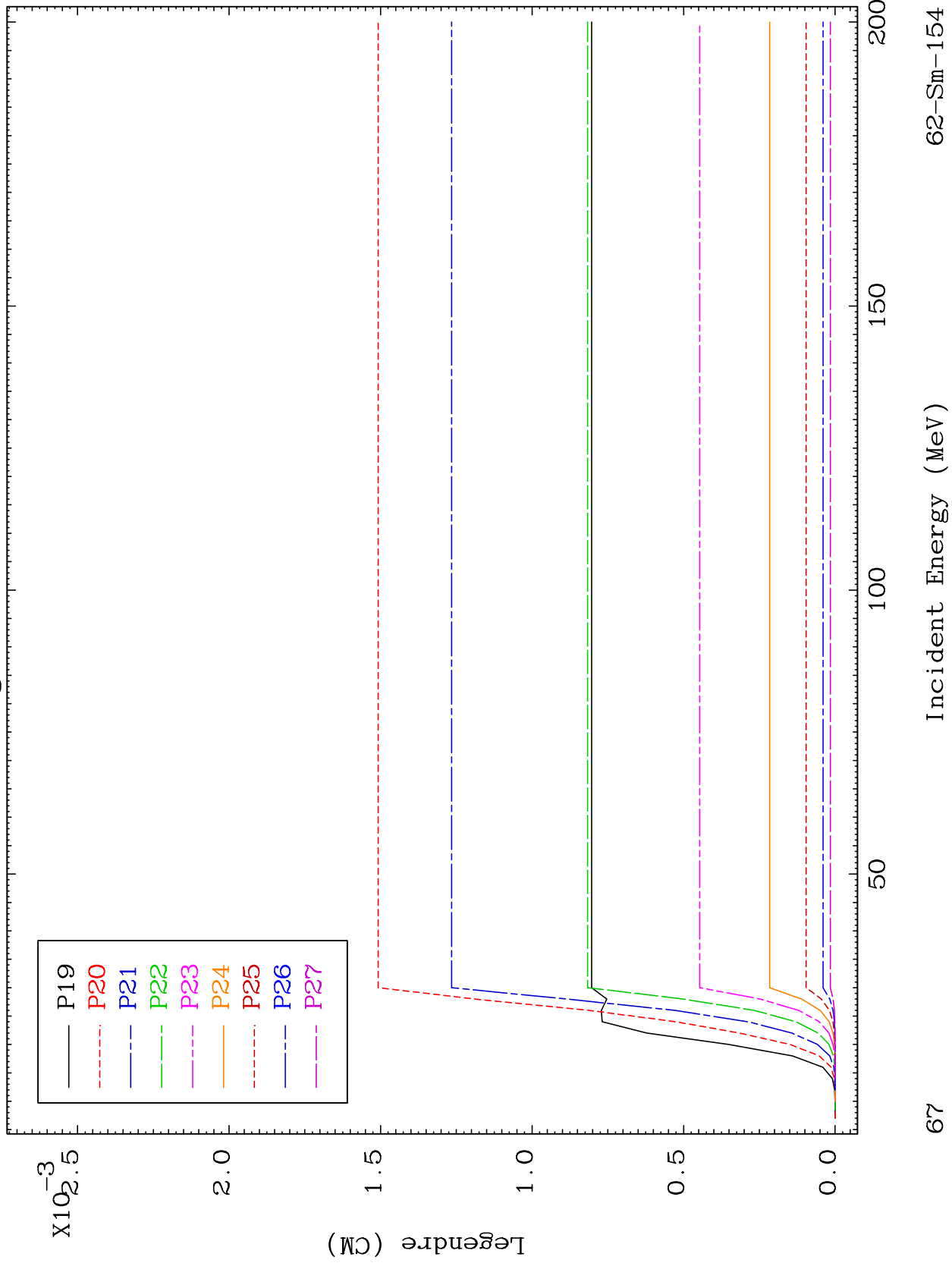
Incident Energy (MeV)

62-Sm-154

MAT 6255

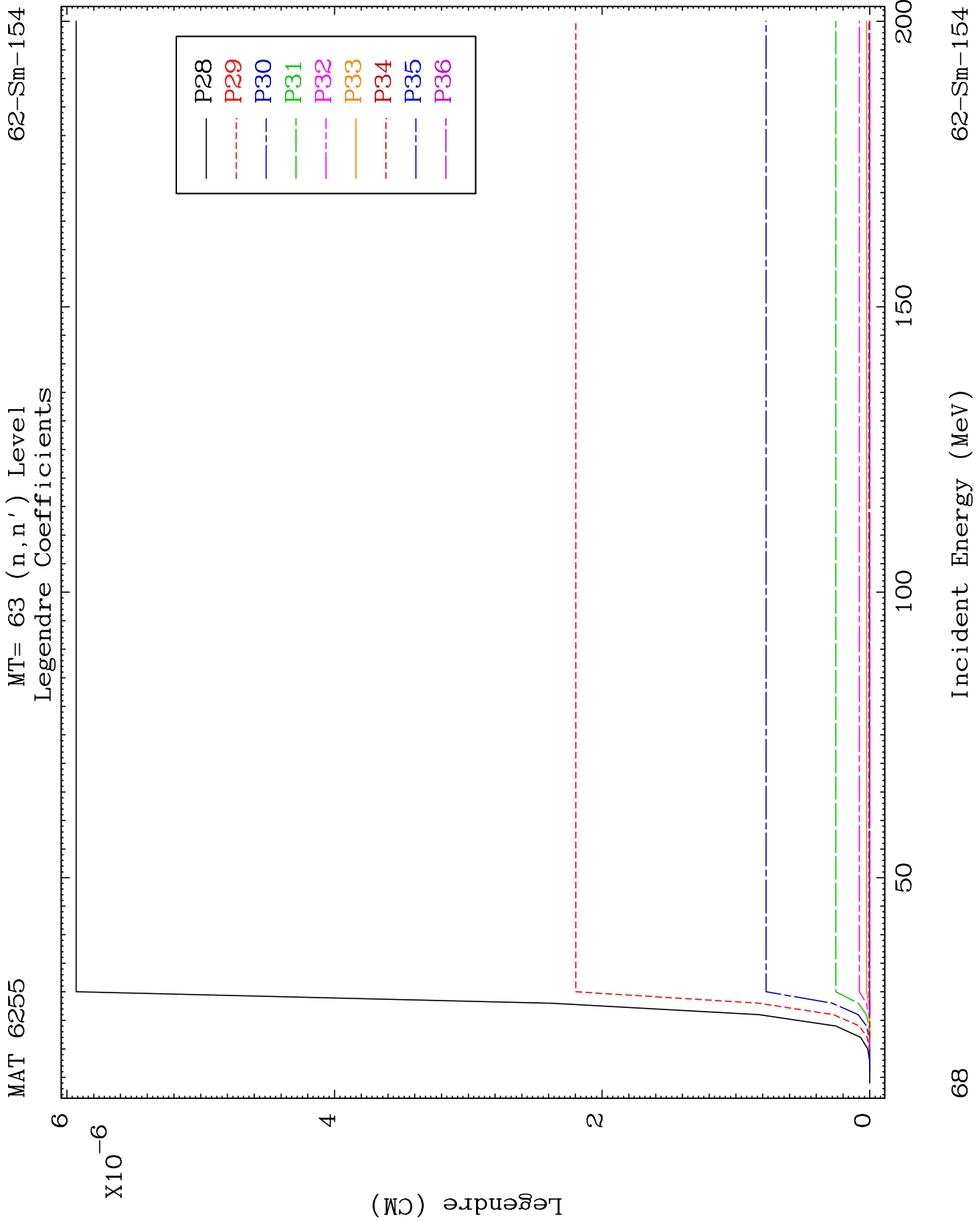
MT= 63 (n,n') Level
Legendre Coefficients

62-Sm-154



67

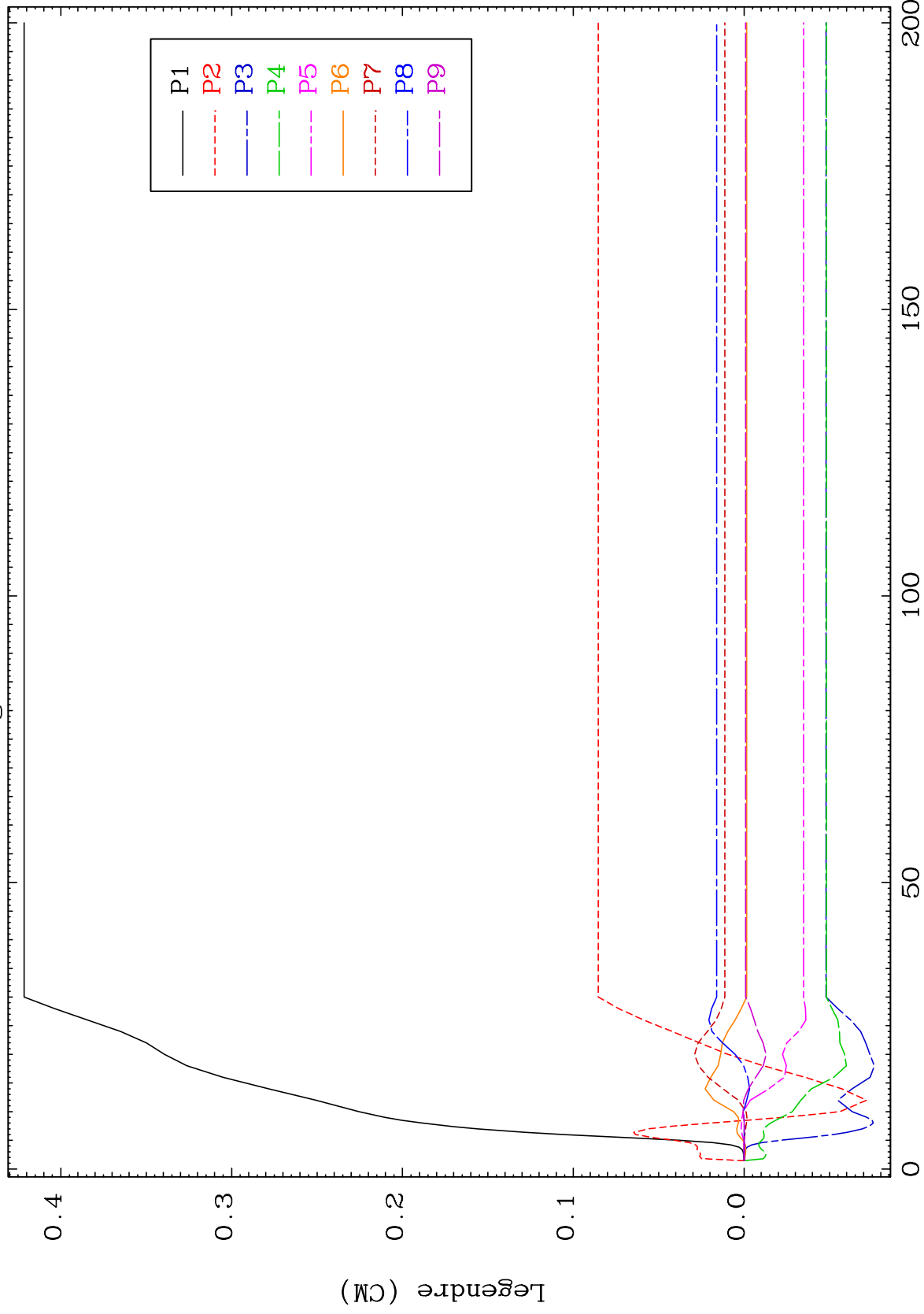
62-Sm-154



MAT 6255

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

62-Sm-154



69

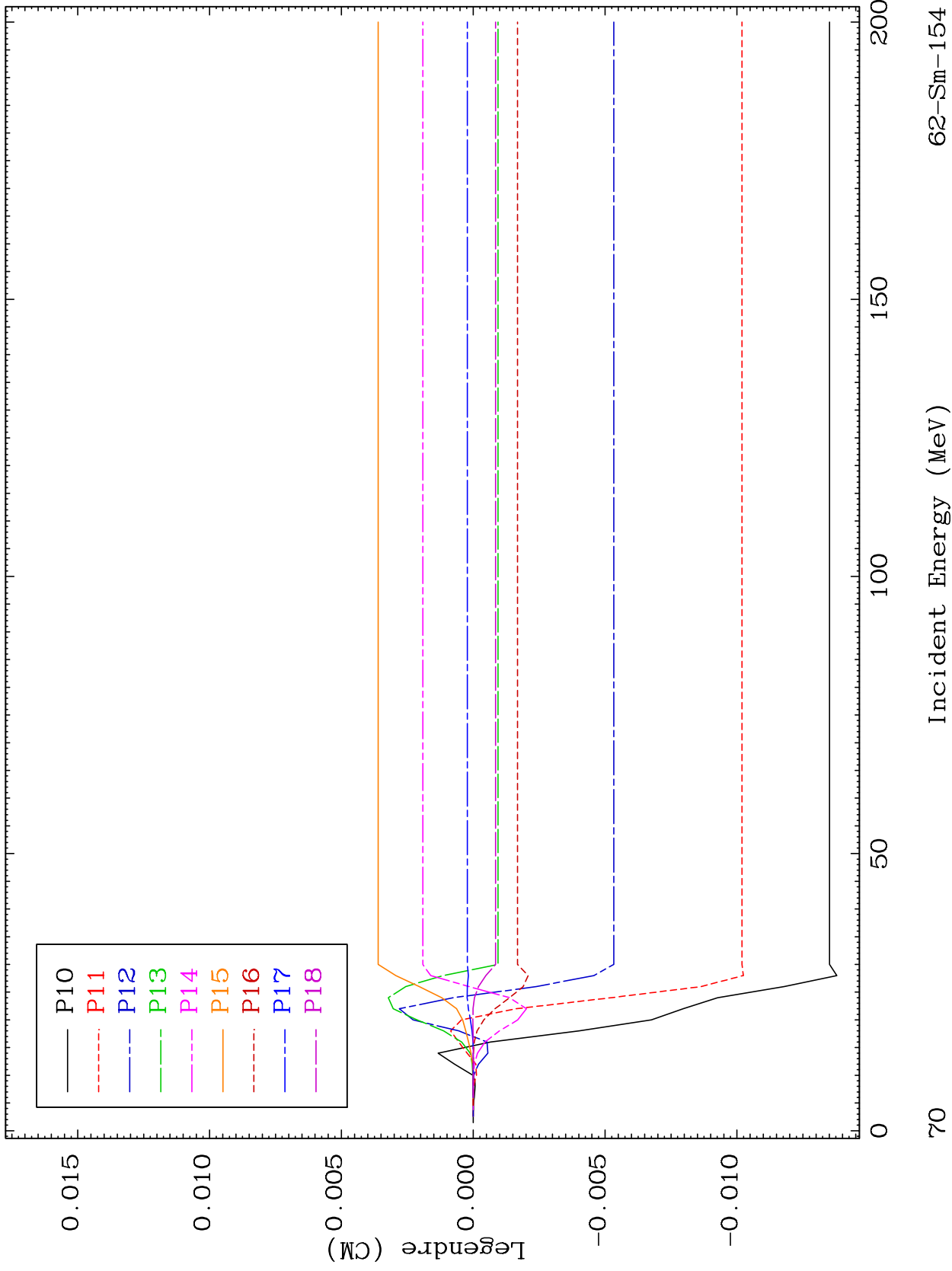
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



62-Sm-154

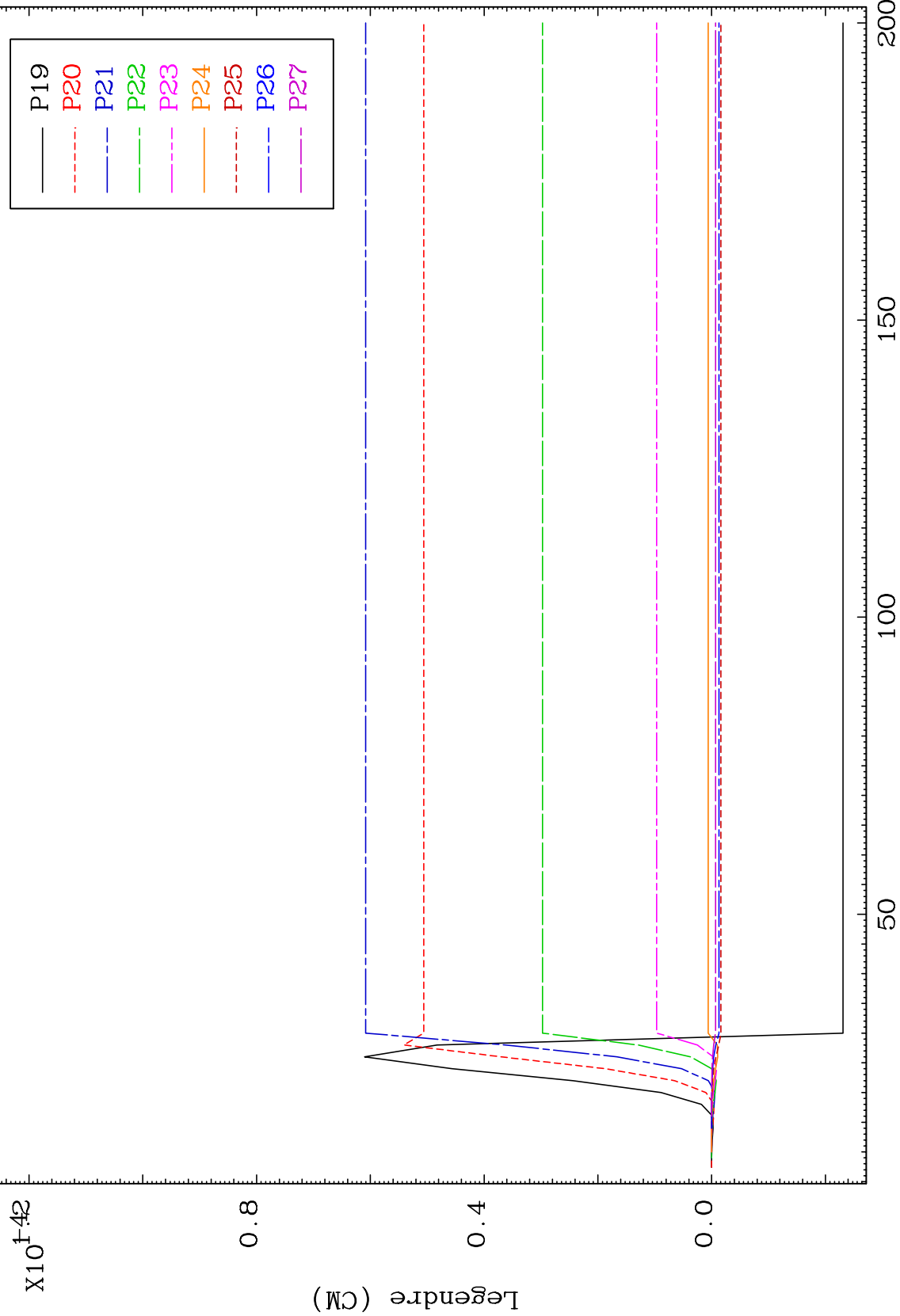
Incident Energy (MeV)

70

MAT 6255

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

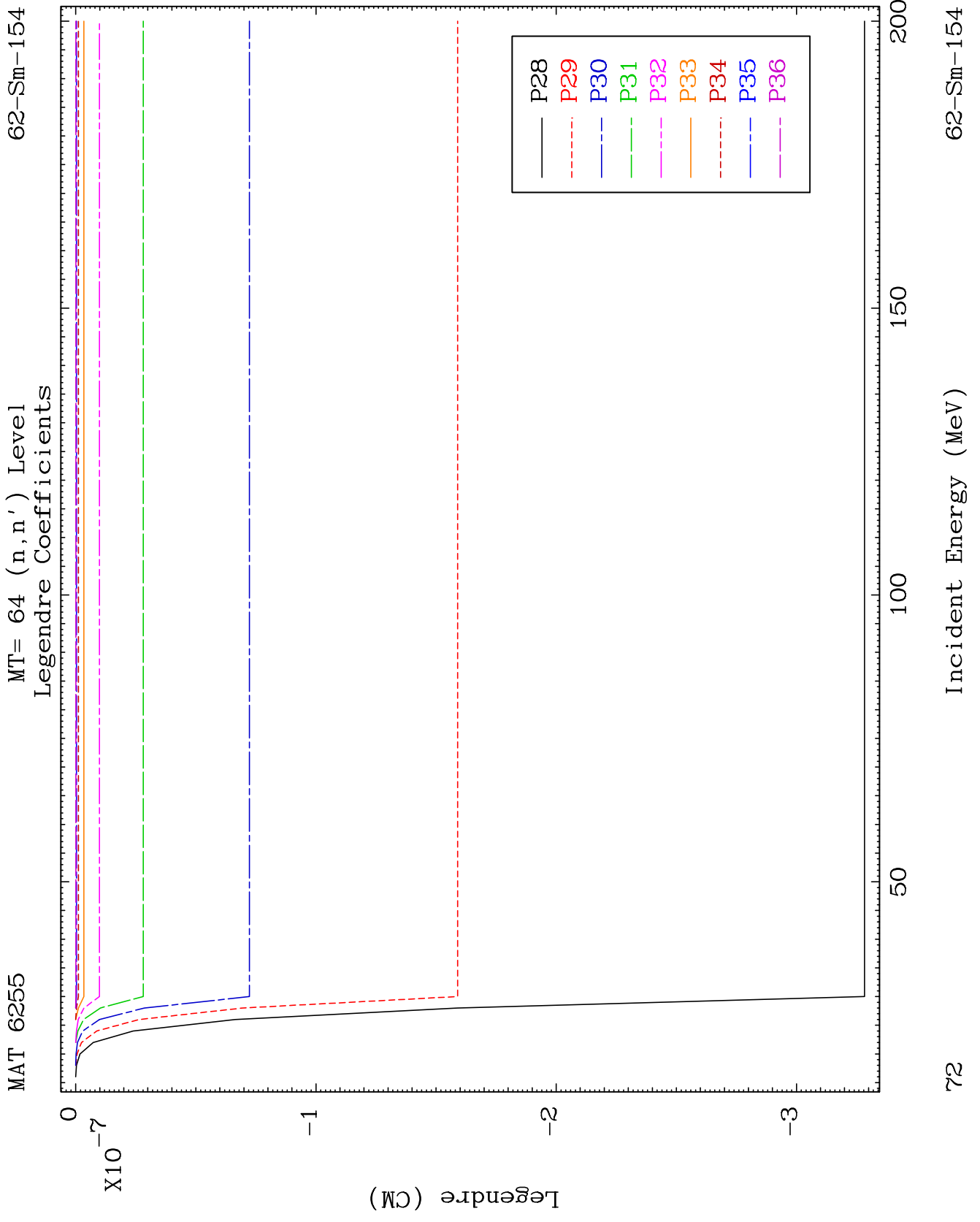
62-Sm-154



71

Incident Energy (MeV)

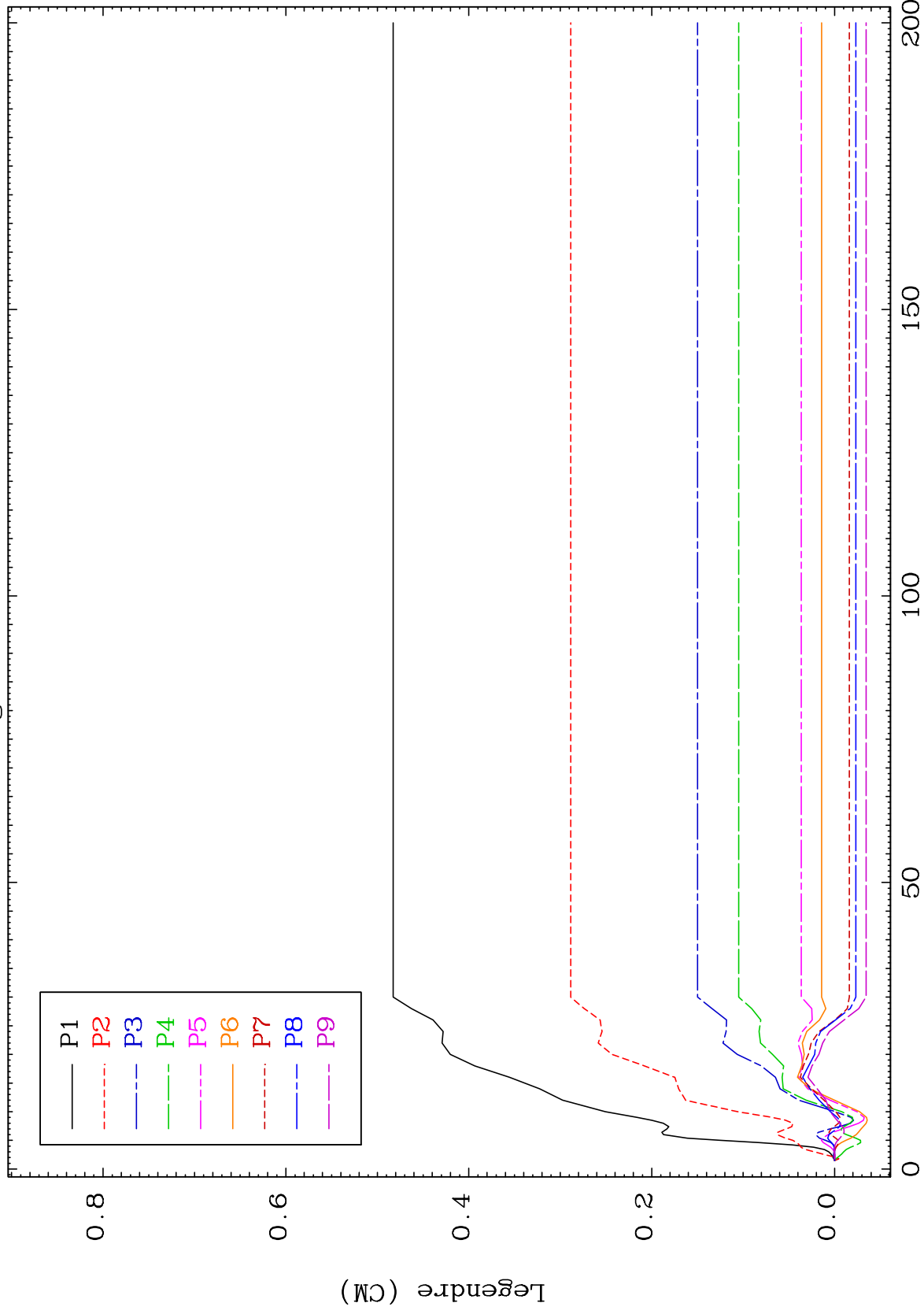
62-Sm-154



MAT 6255

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

62-Sm-154



73

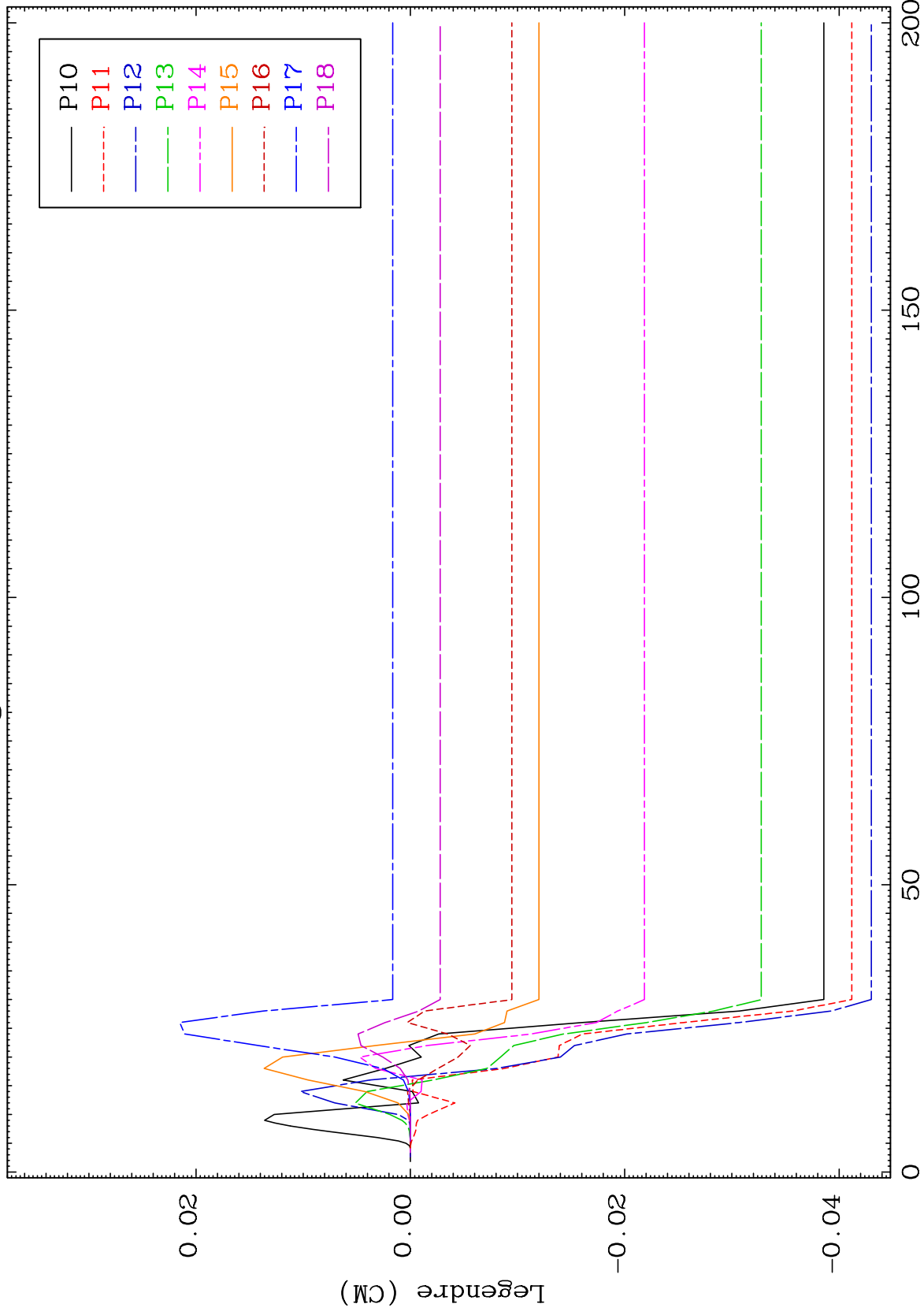
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



74

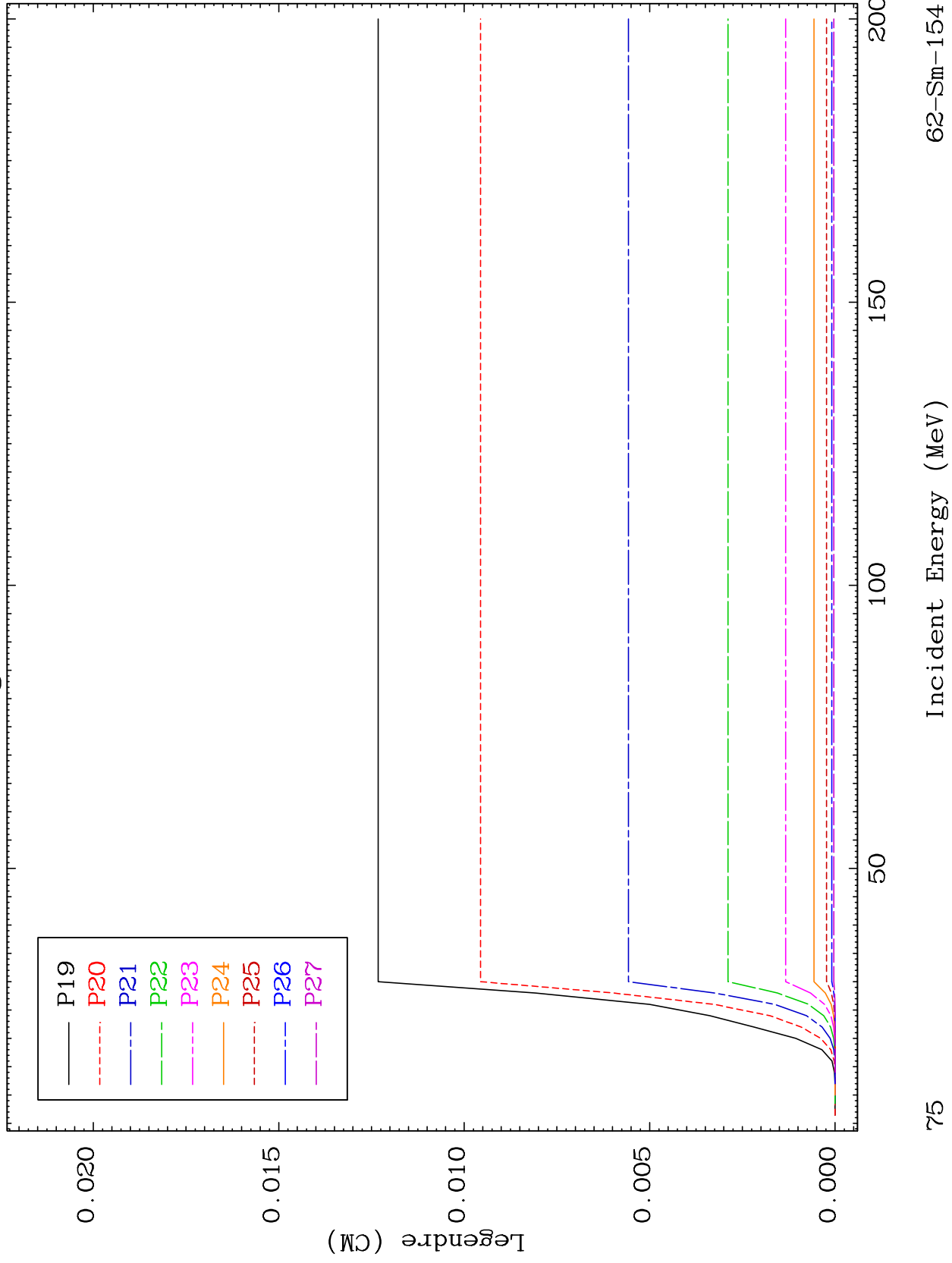
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



75

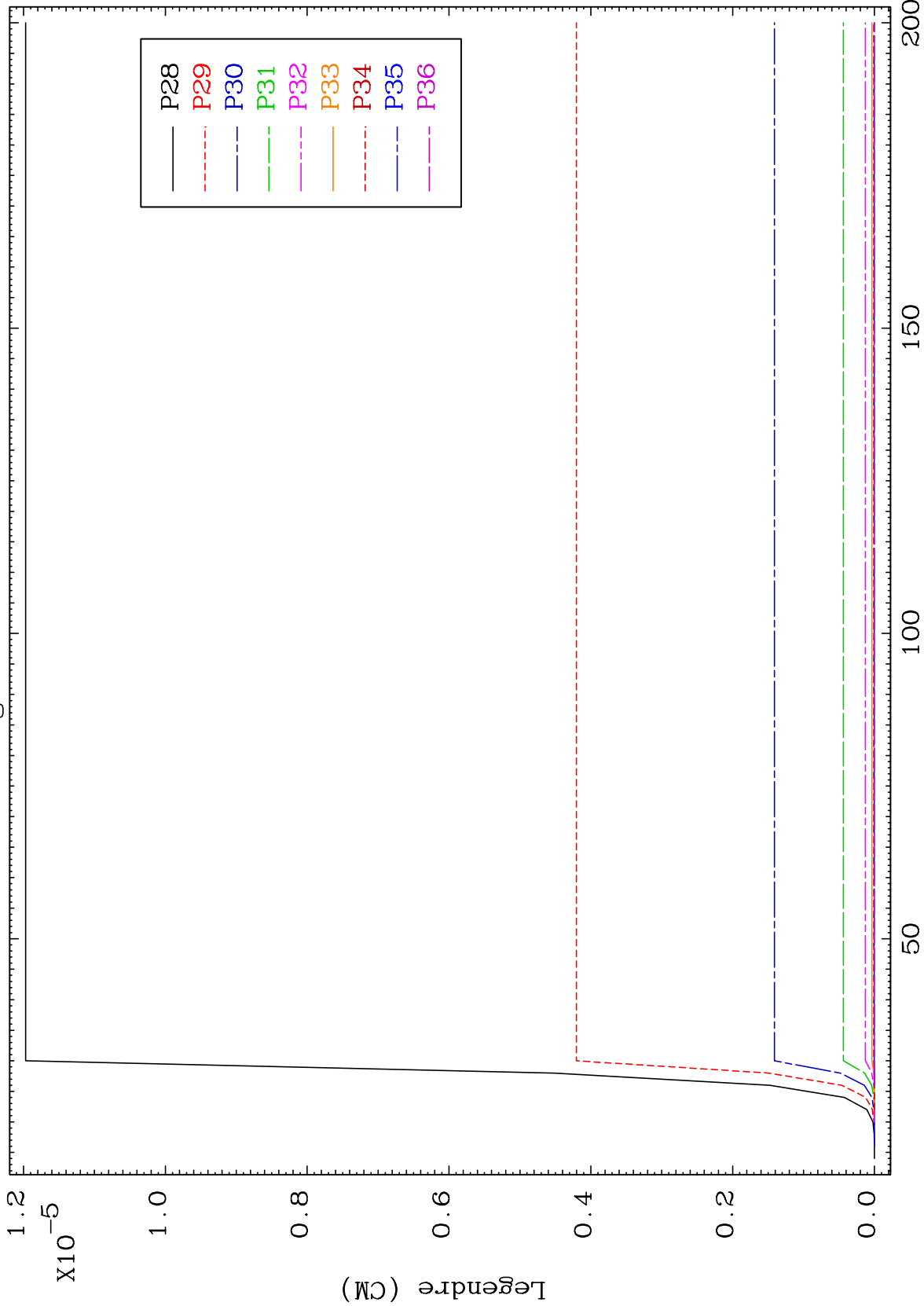
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



62-Sm-154

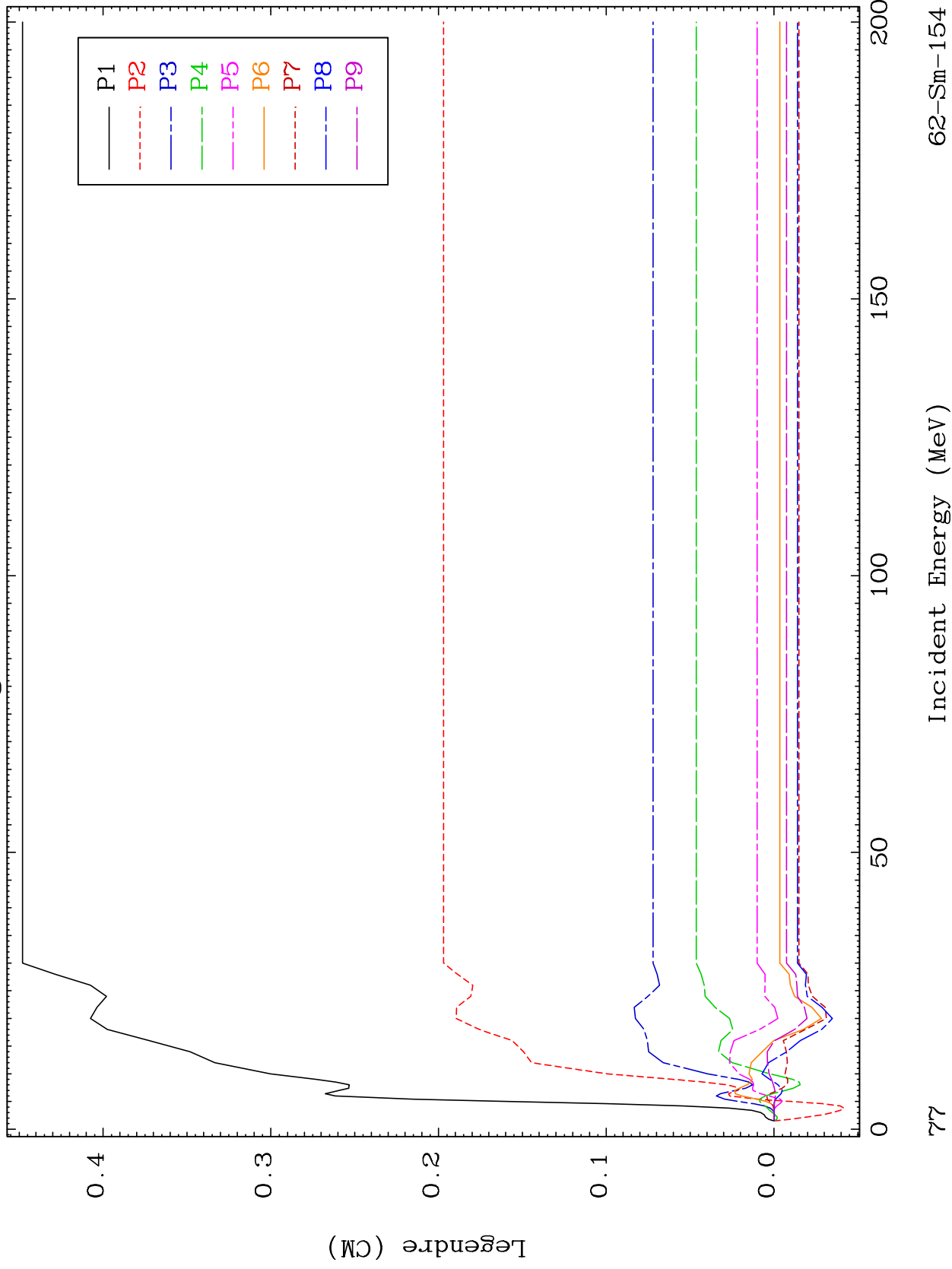
Incident Energy (MeV)

76

MAT 6255

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

62-Sm-154



62-Sm-154

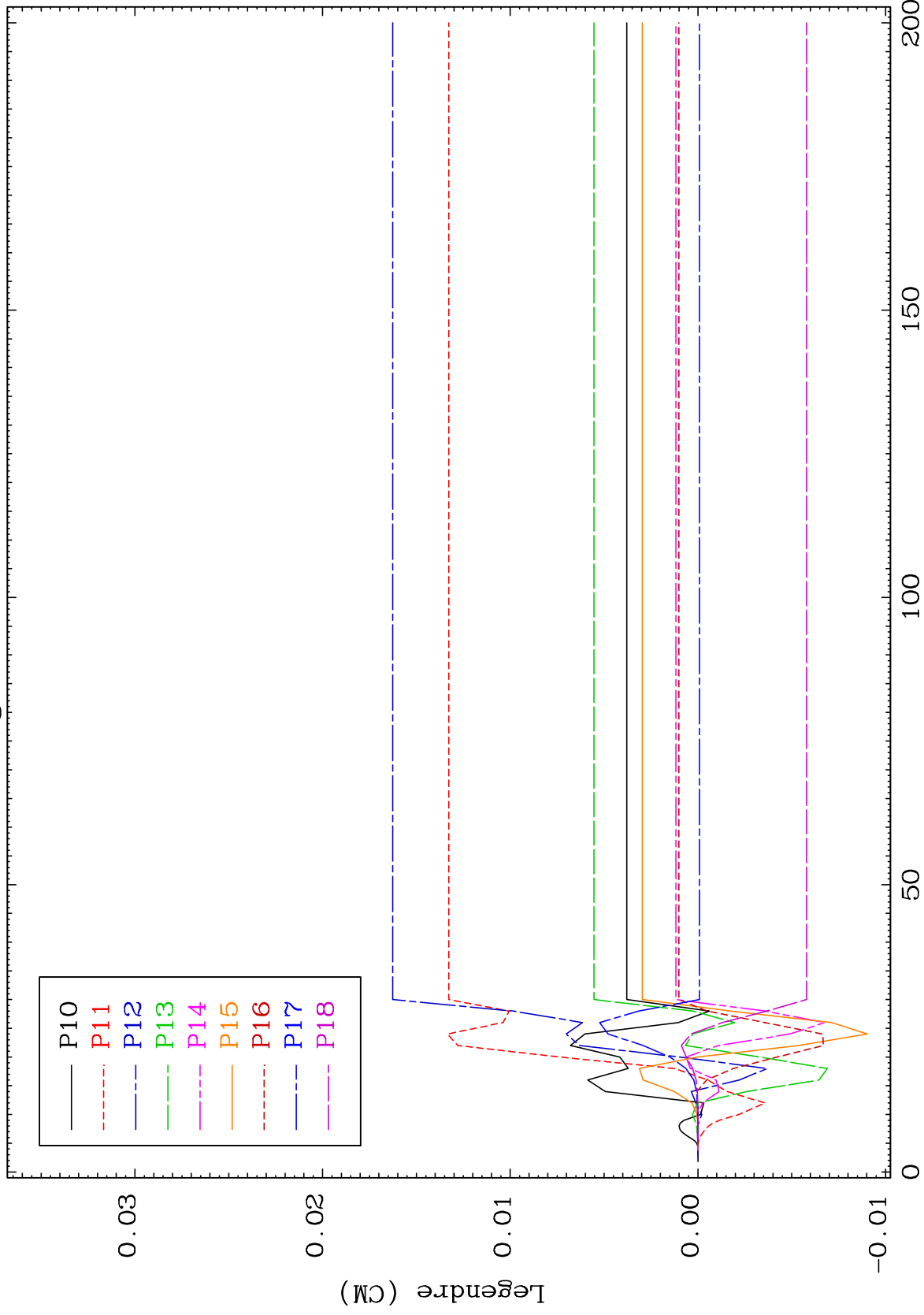
Incident Energy (MeV)

77

MAT 6255

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

62-Sm-154



78

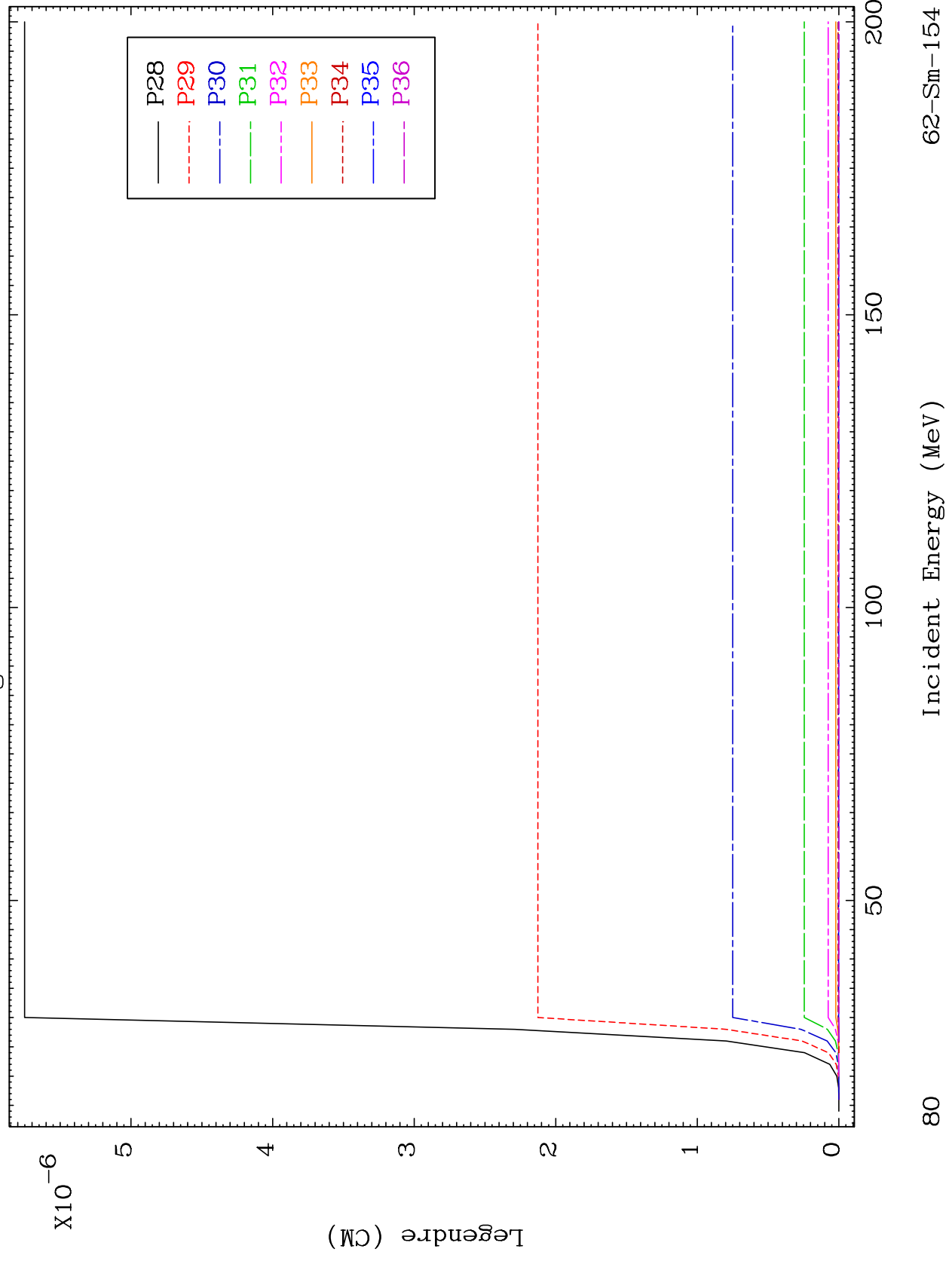
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



62-Sm-154

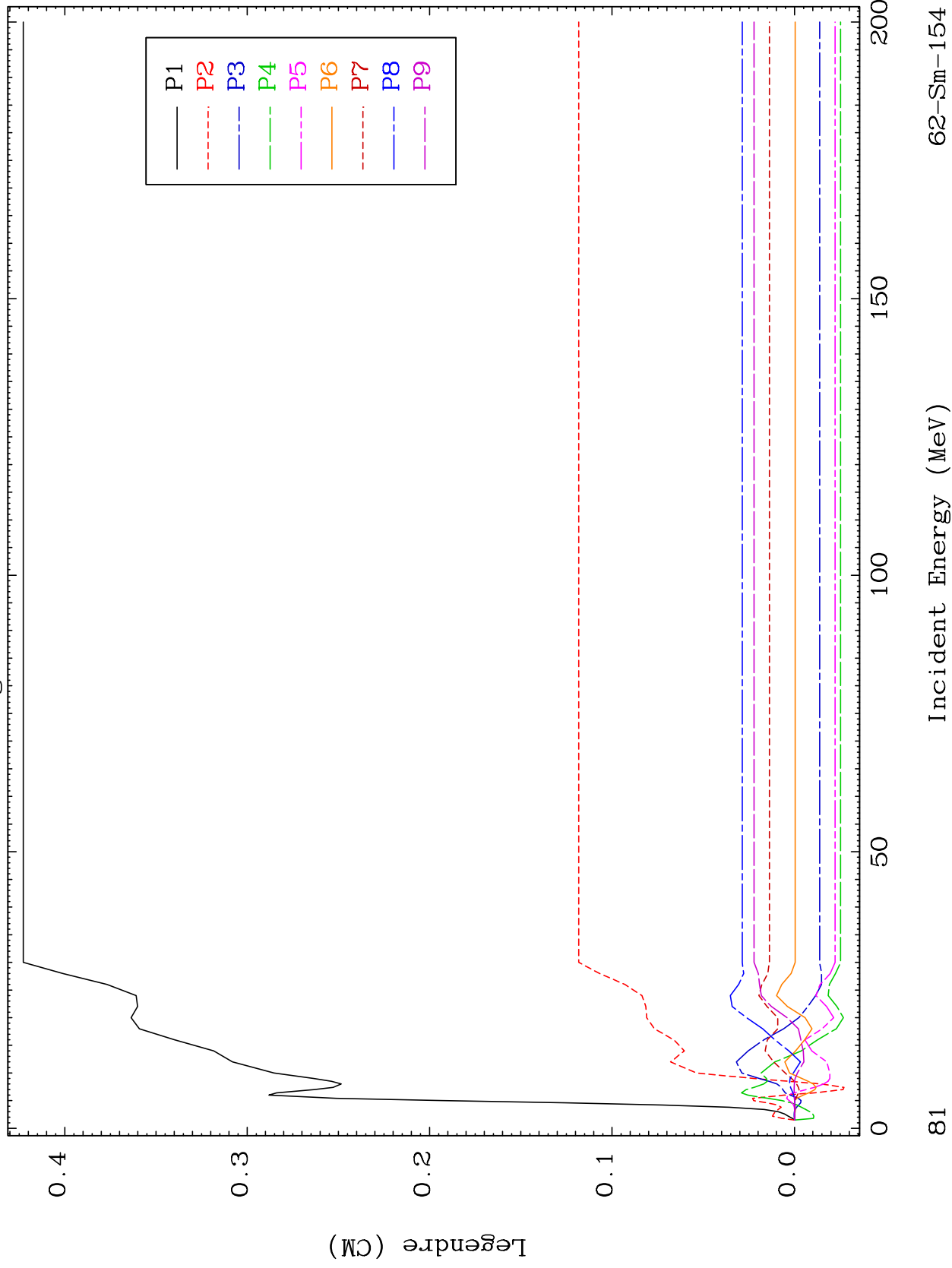
Incident Energy (MeV)

80

MAT 6255

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

62-Sm-154



81

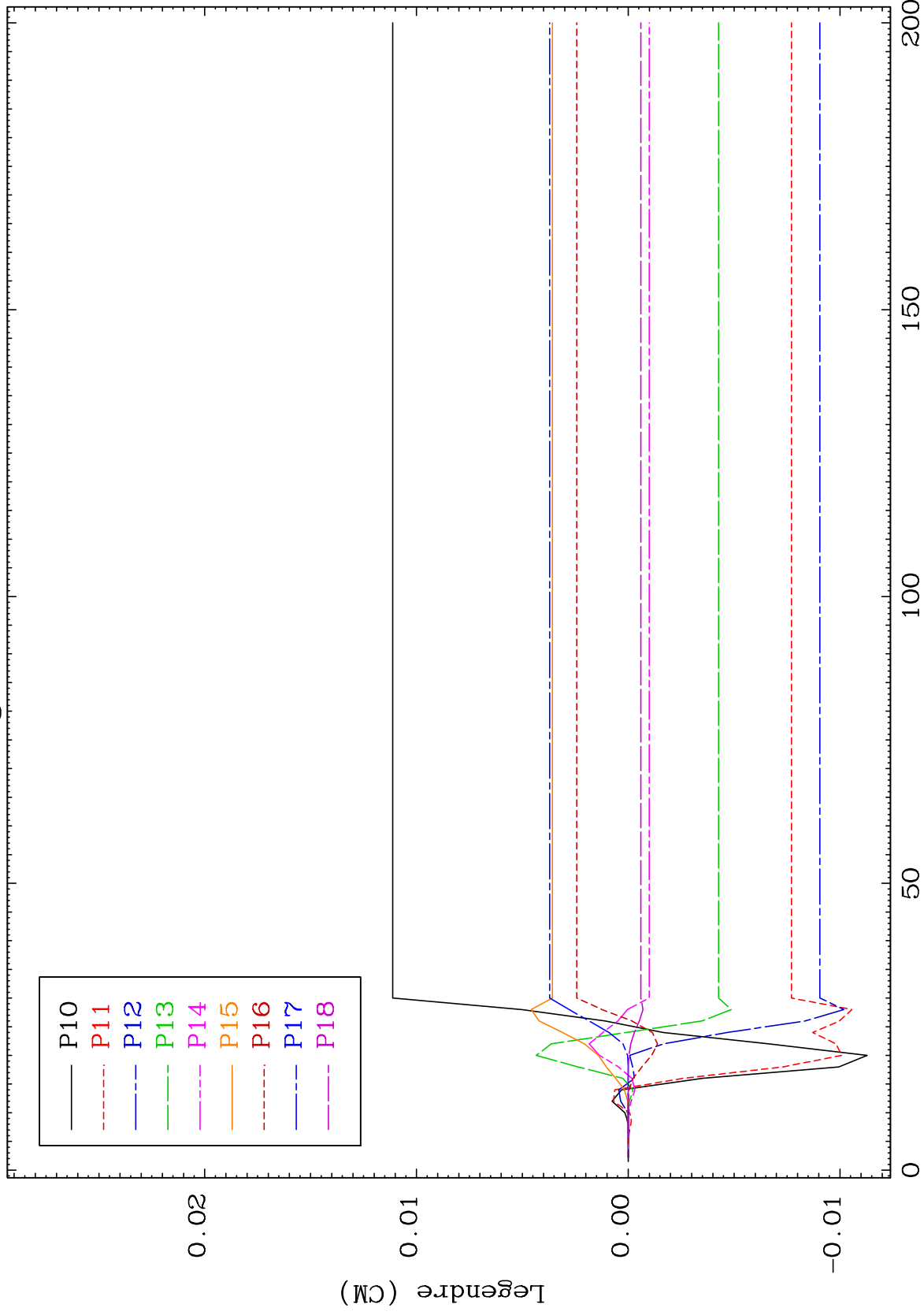
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

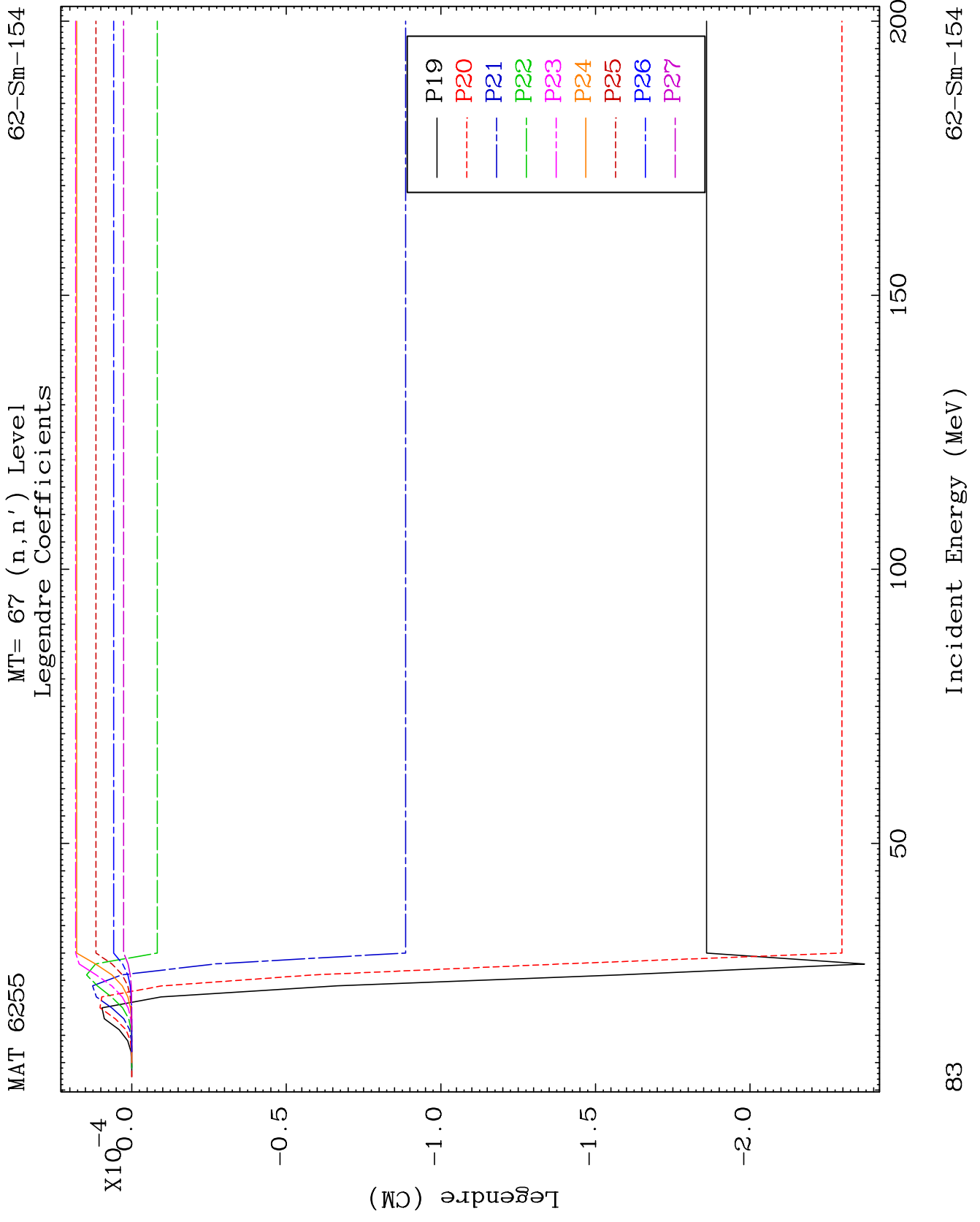
62-Sm-154



82

Incident Energy (MeV)

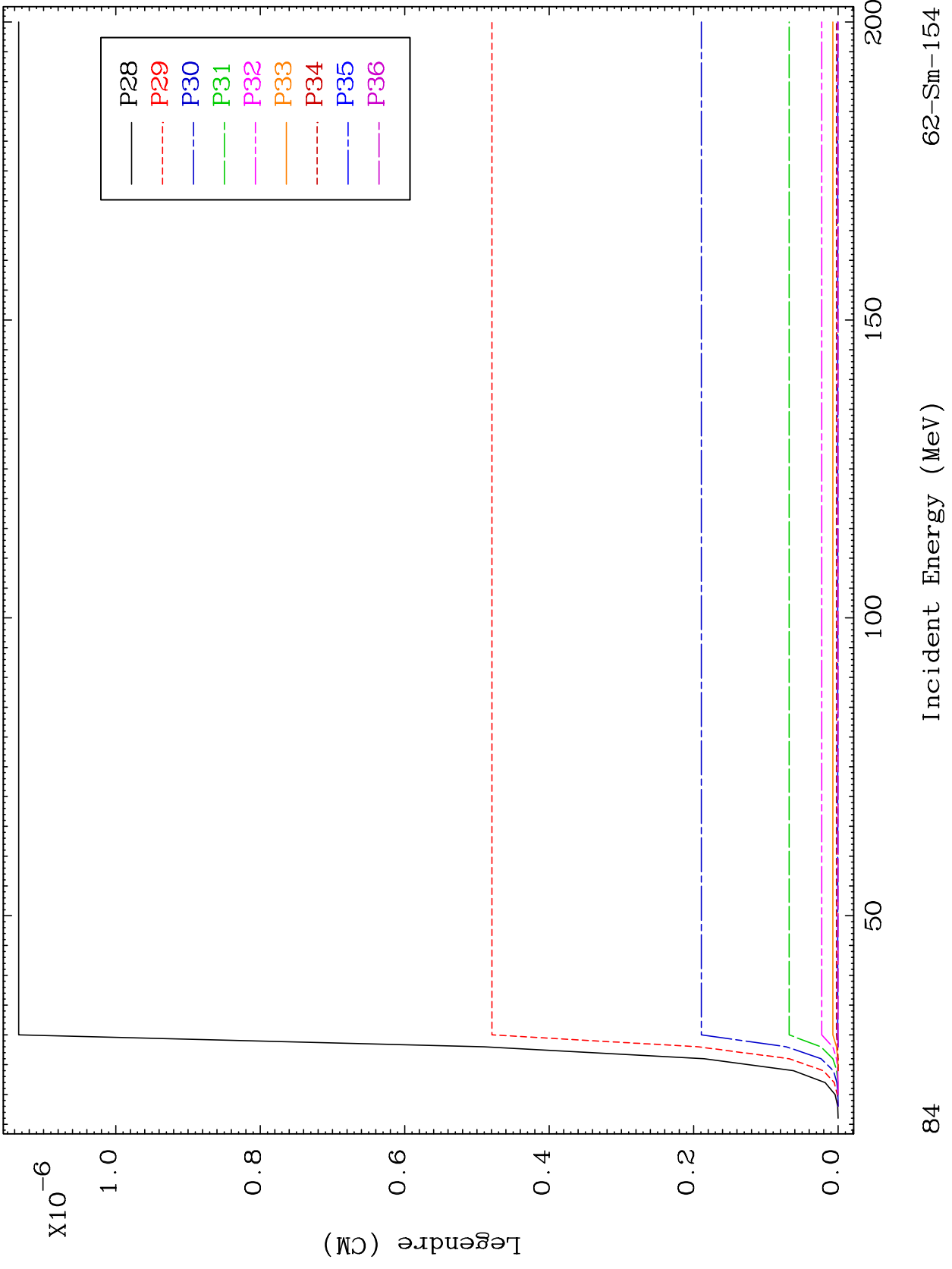
62-Sm-154



MAT 6255

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

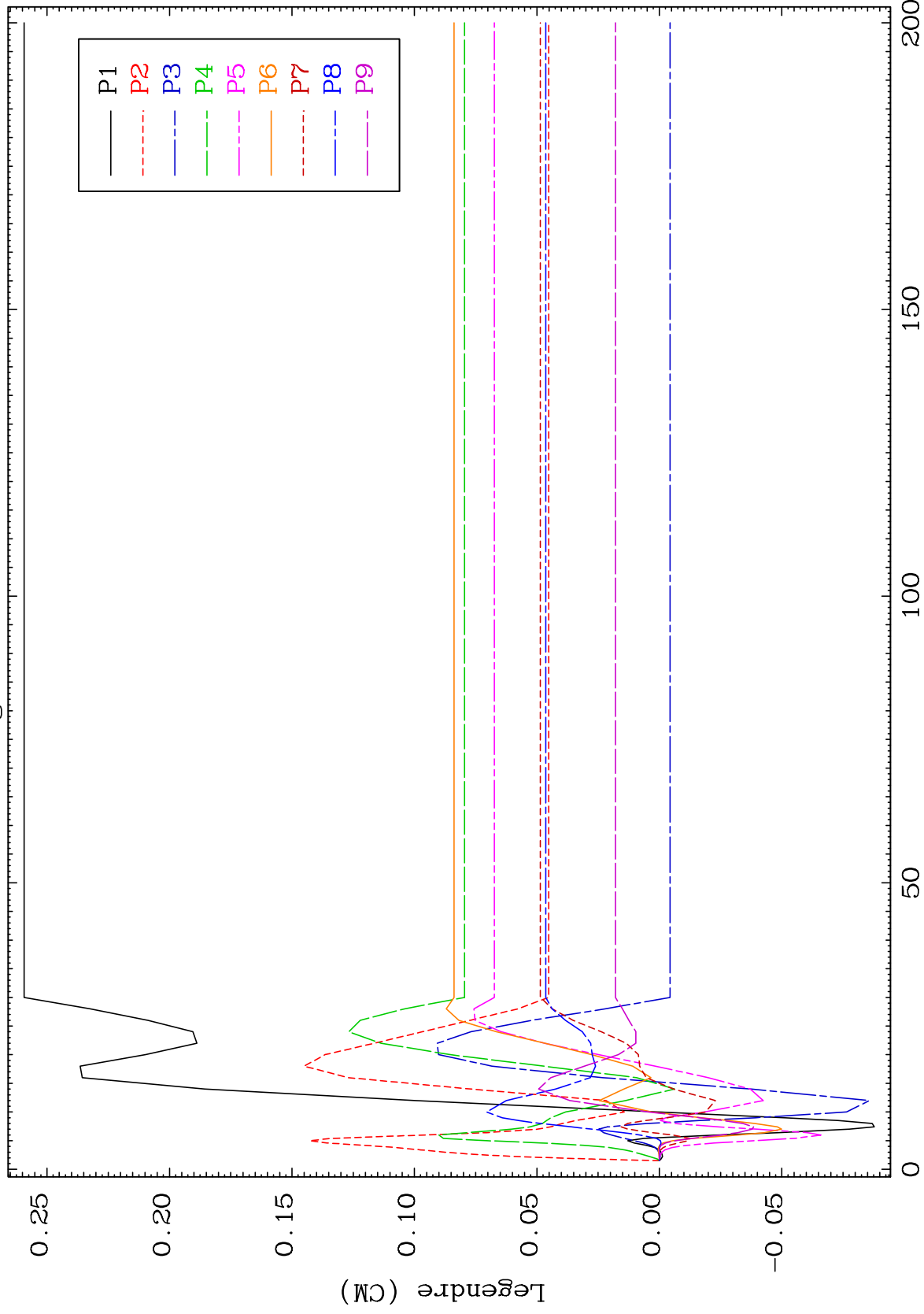
62-Sm-154



MAT 6255

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

62-Sm-154



85

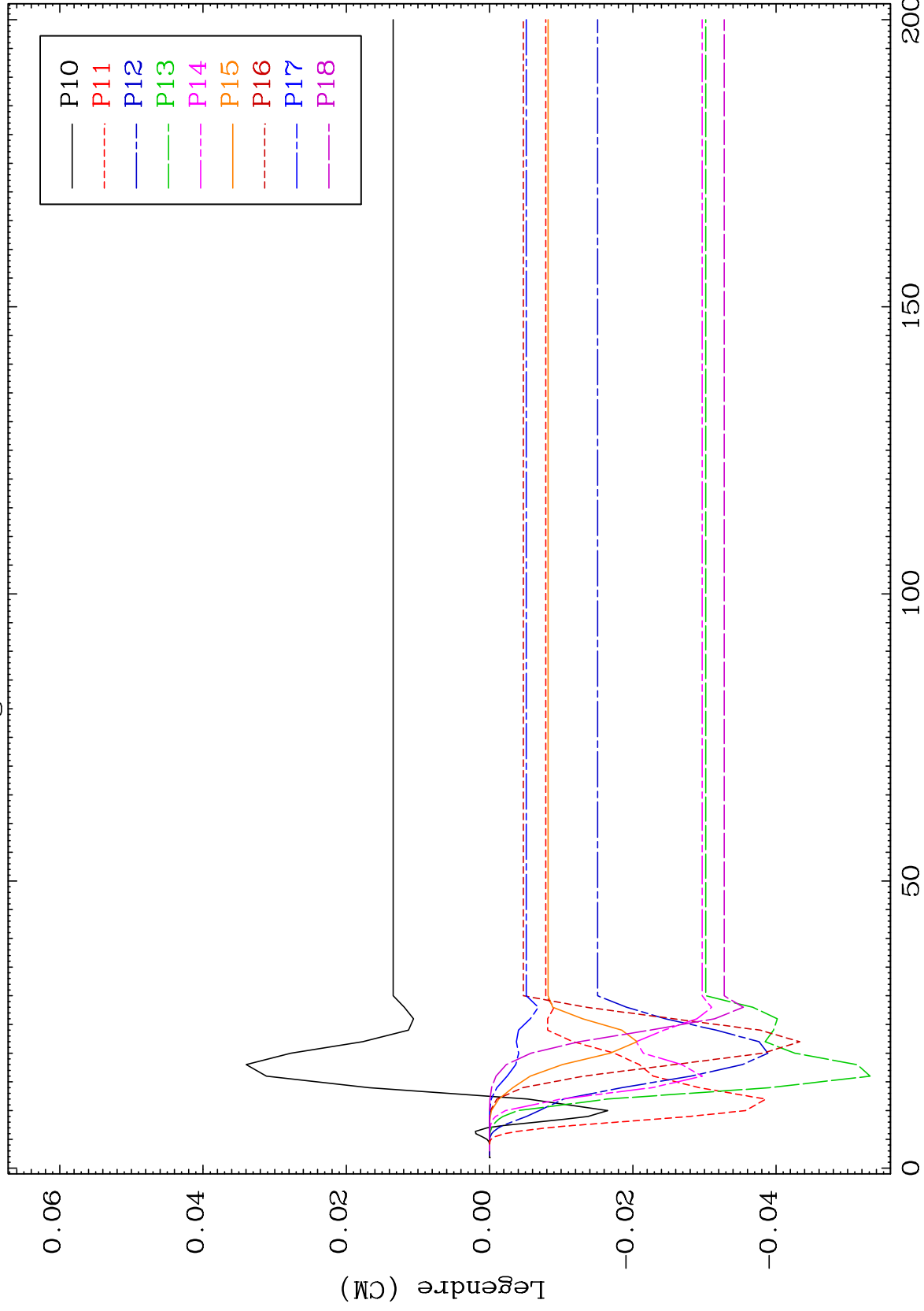
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154



86

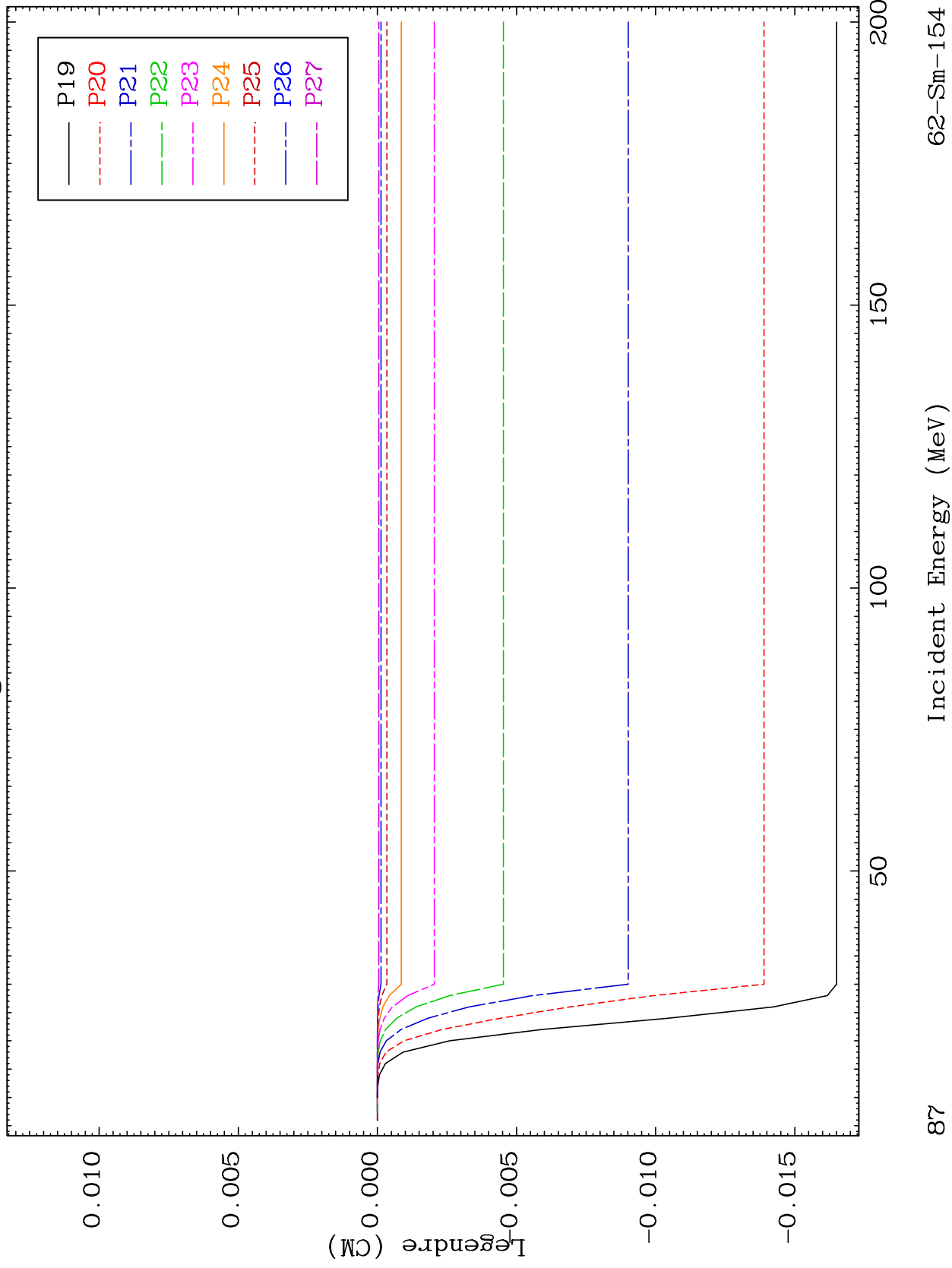
Incident Energy (MeV)

62-Sm-154

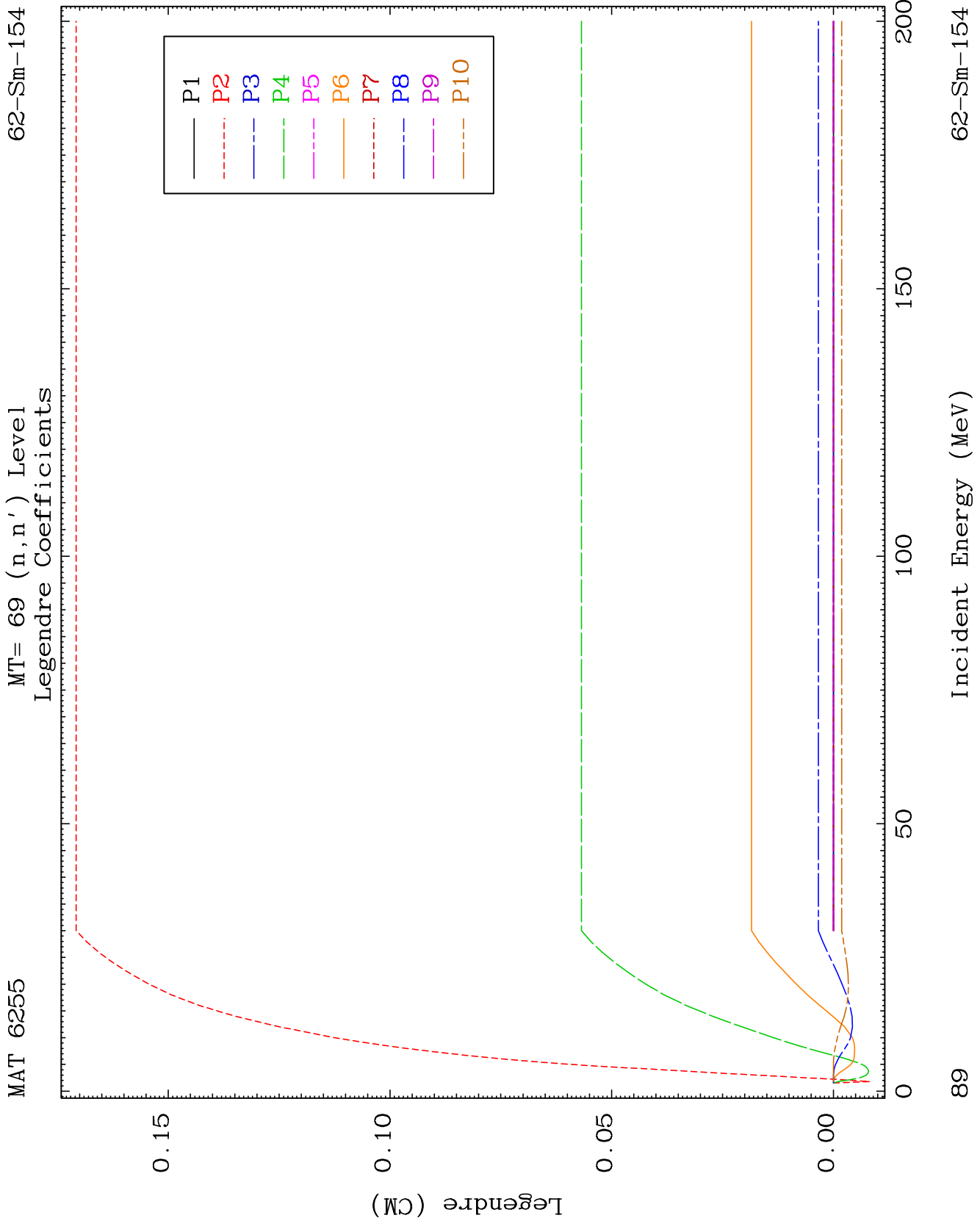
MAT 6255

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

62-Sm-154



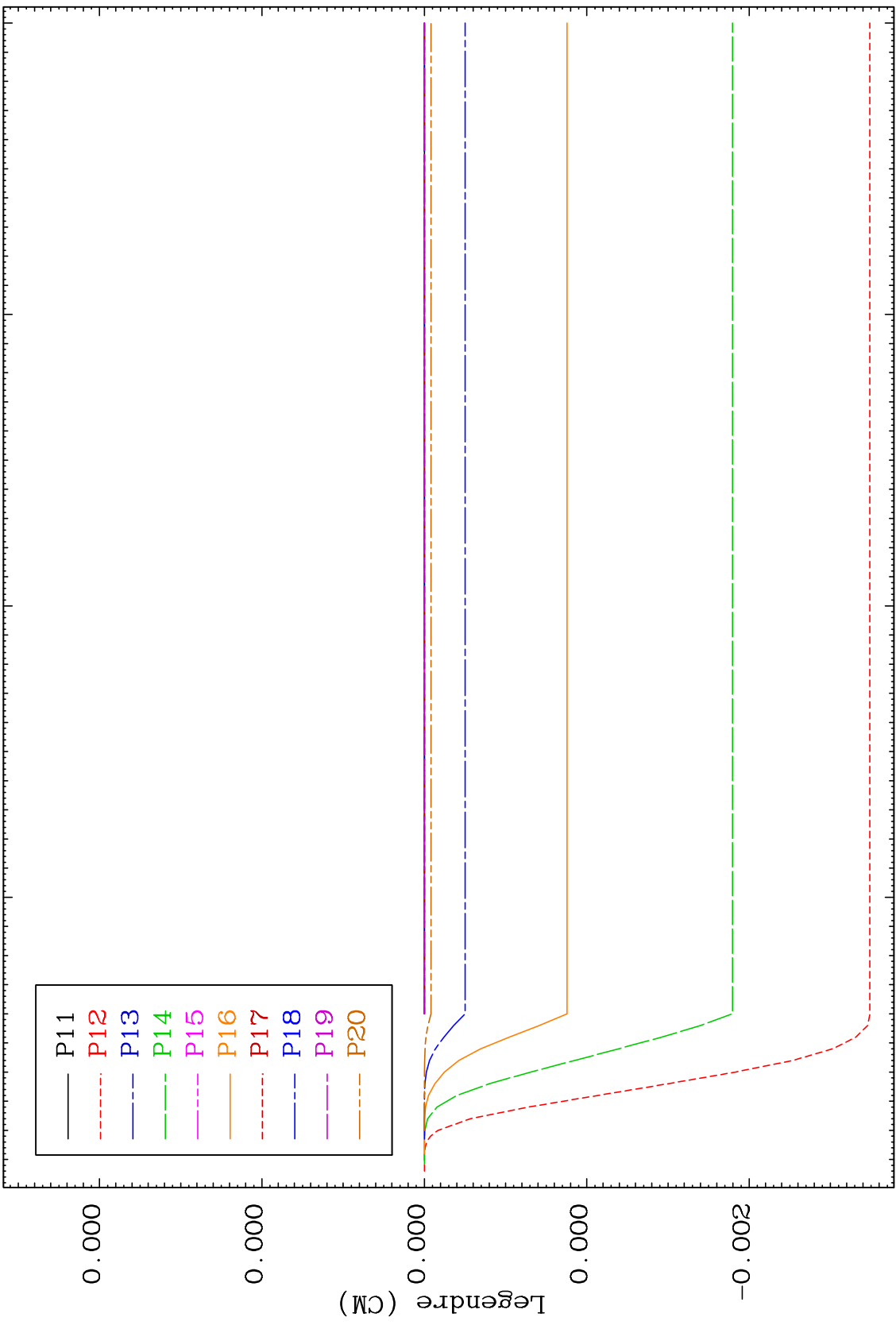
87



MAT 6255

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

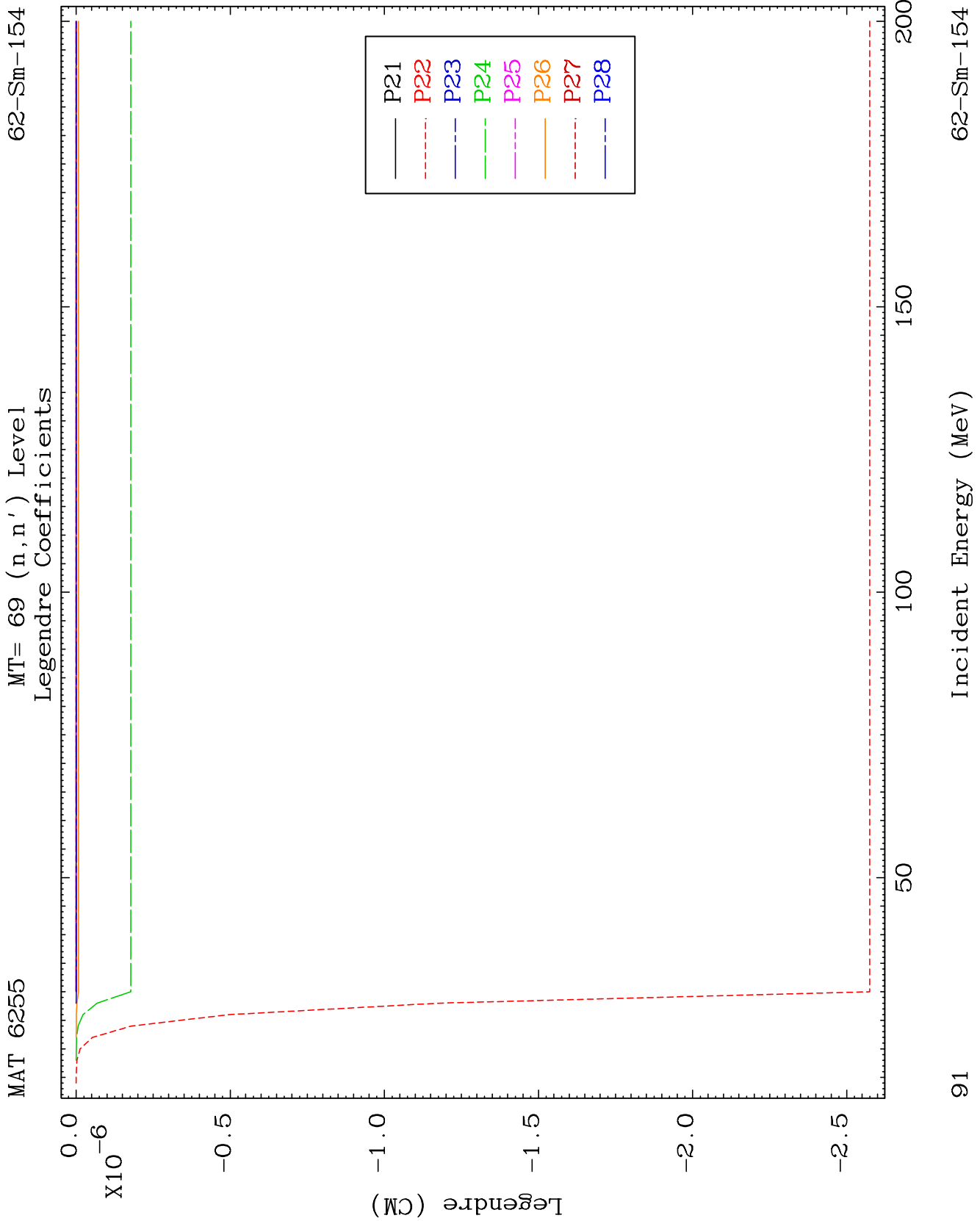
62-Sm-154

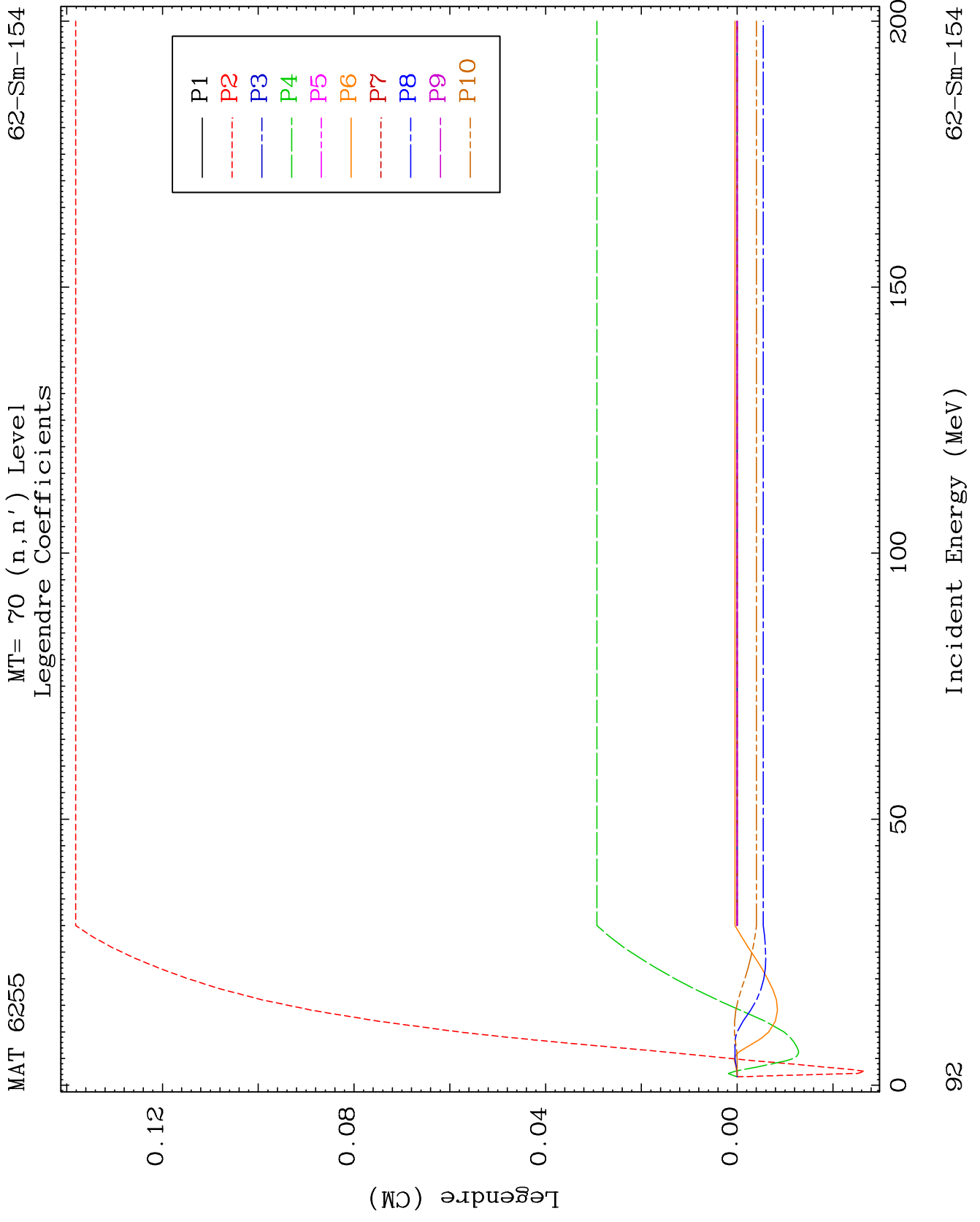


90

Incident Energy (MeV)

62-Sm-154

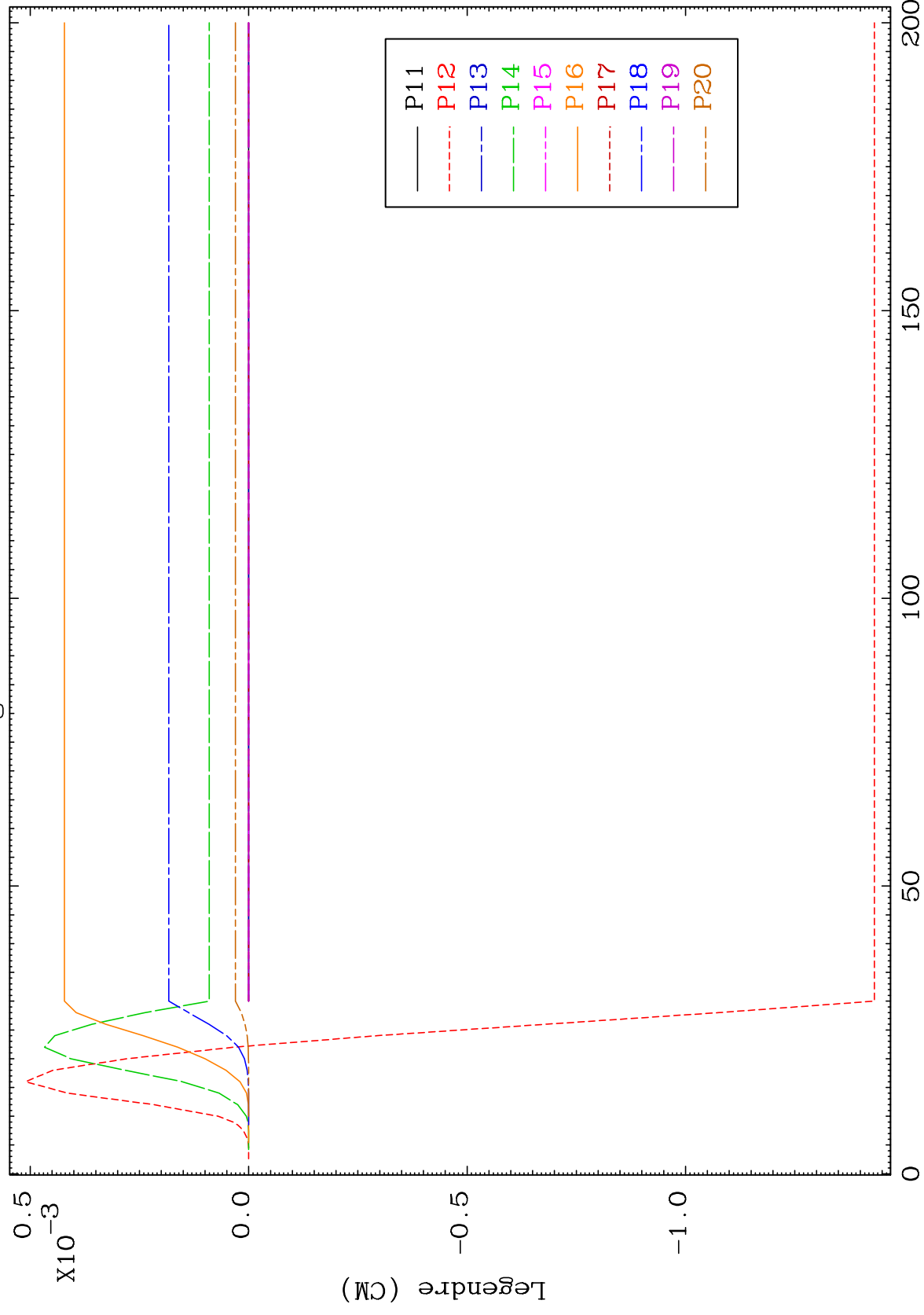




MAT 6255

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

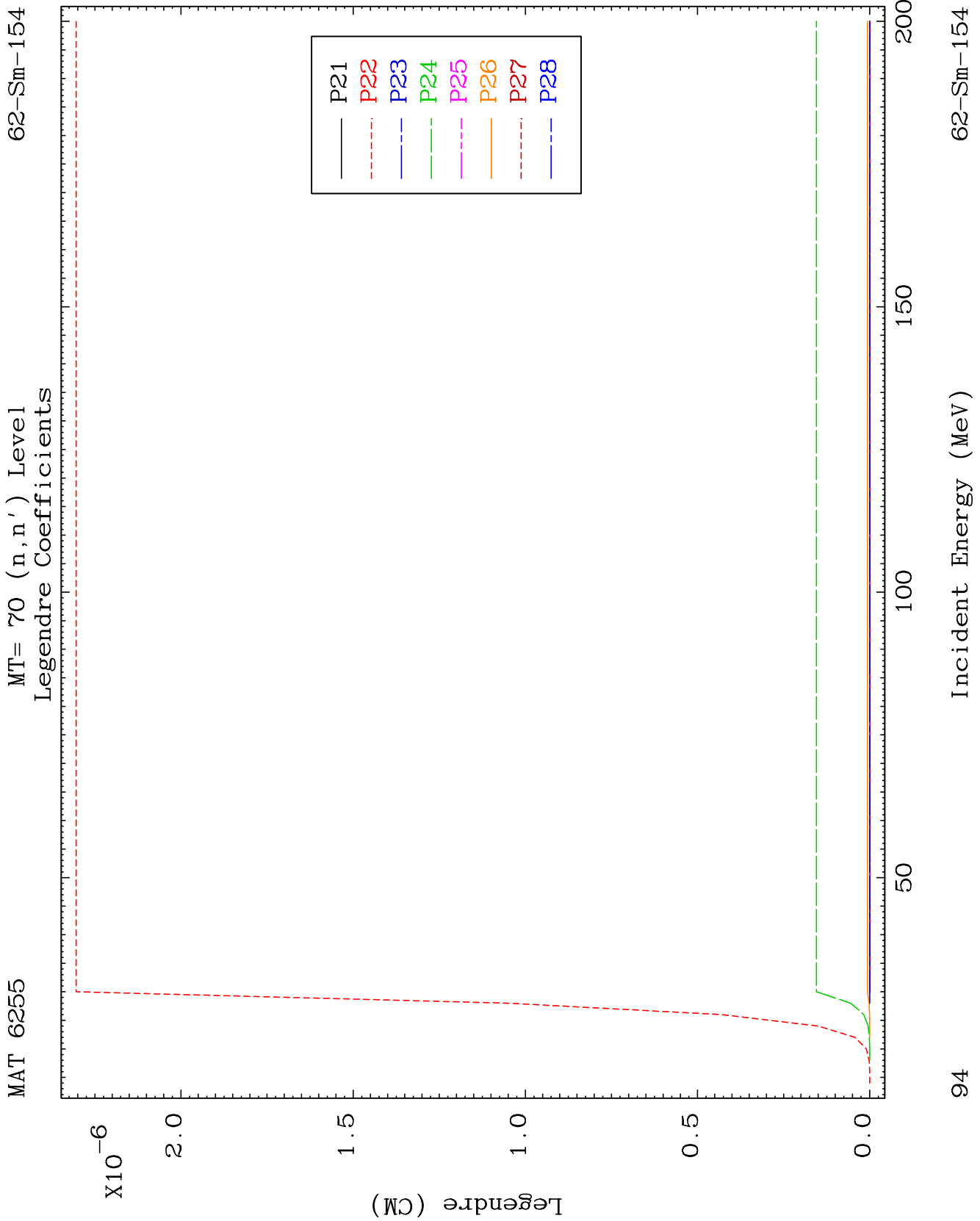
62-Sm-154



93

Incident Energy (MeV)

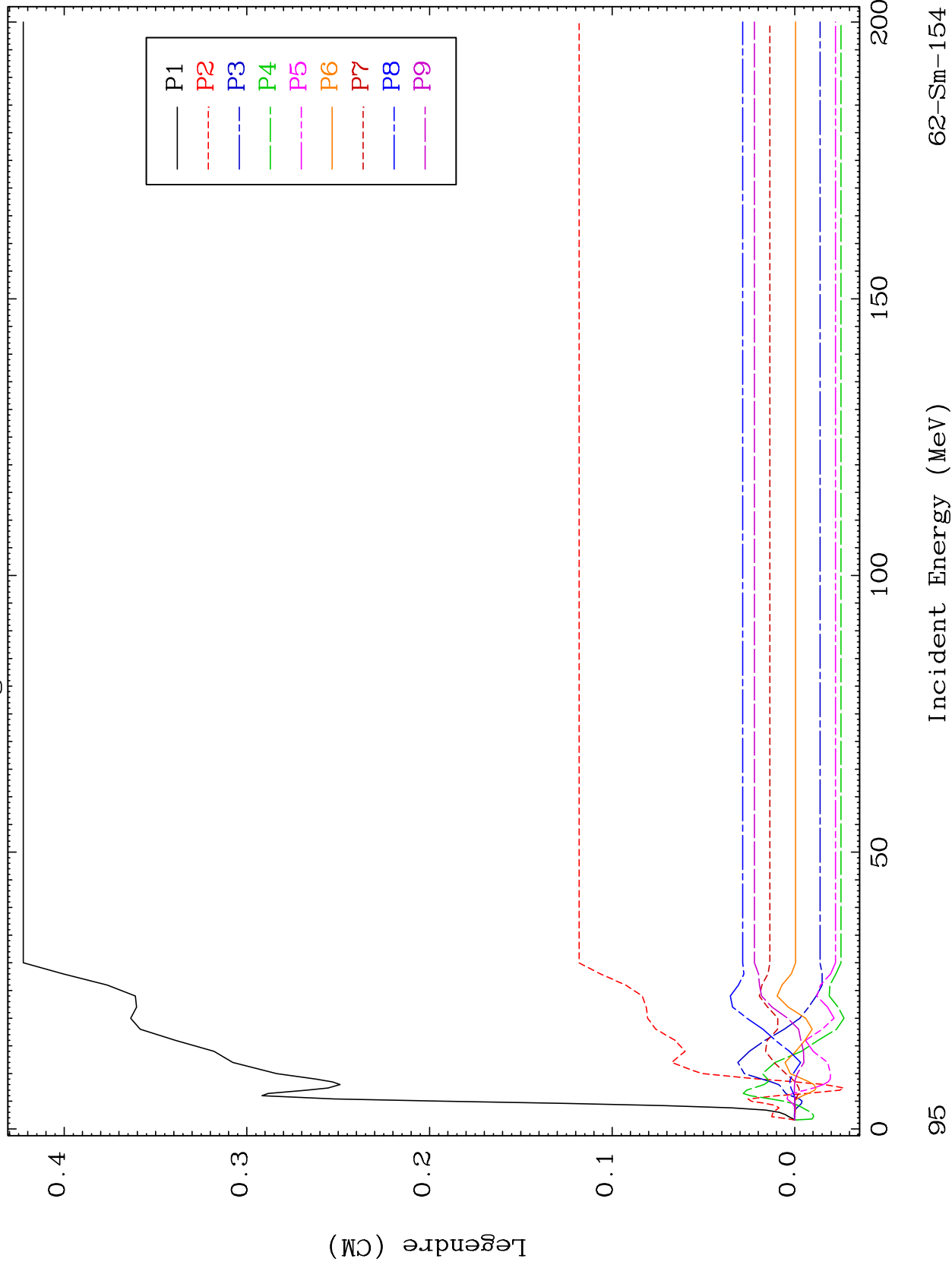
62-Sm-154



MAT 6255

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

62-Sm-154



62-Sm-154

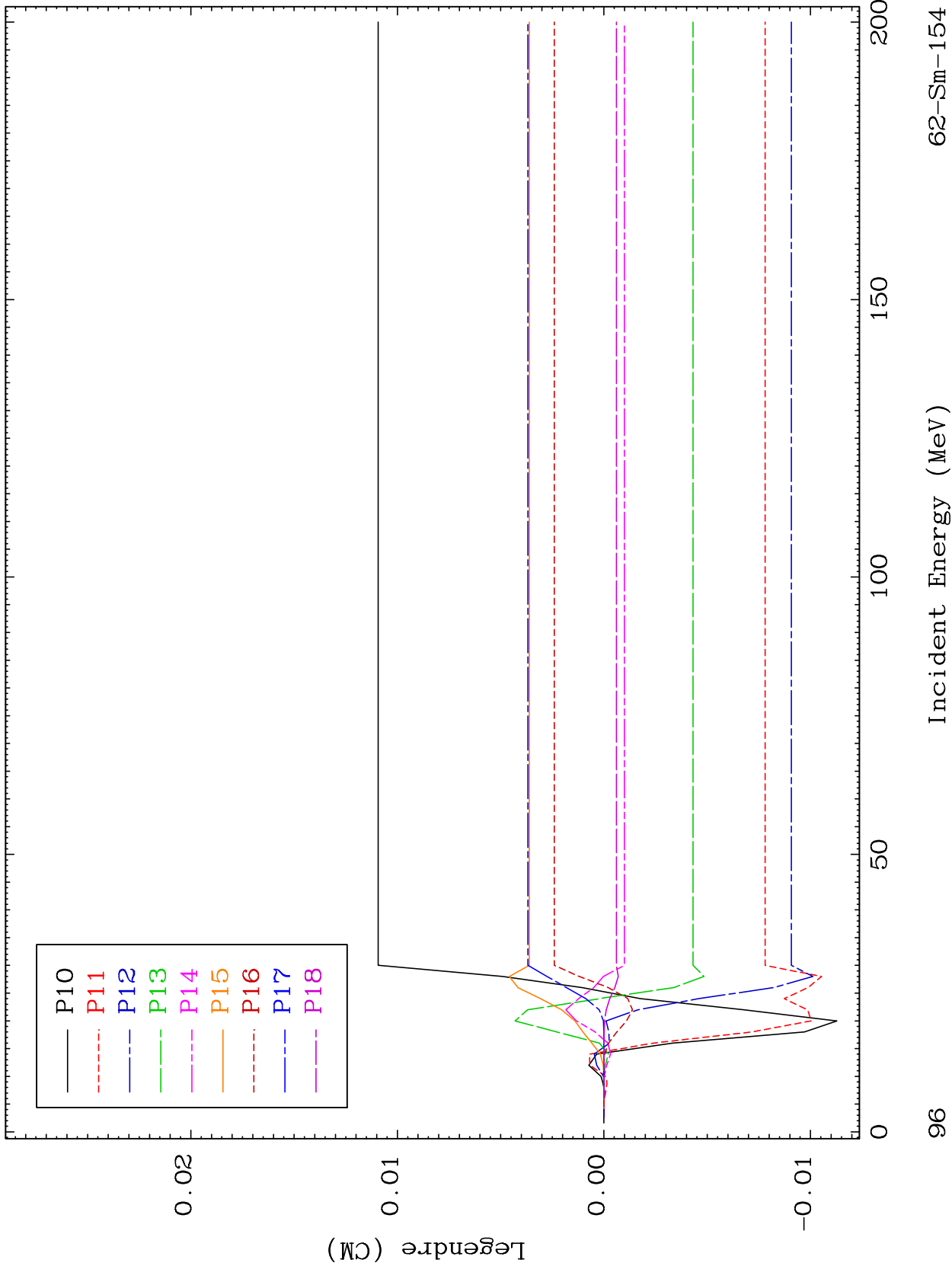
Incident Energy (MeV)

95

MAT 6255

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

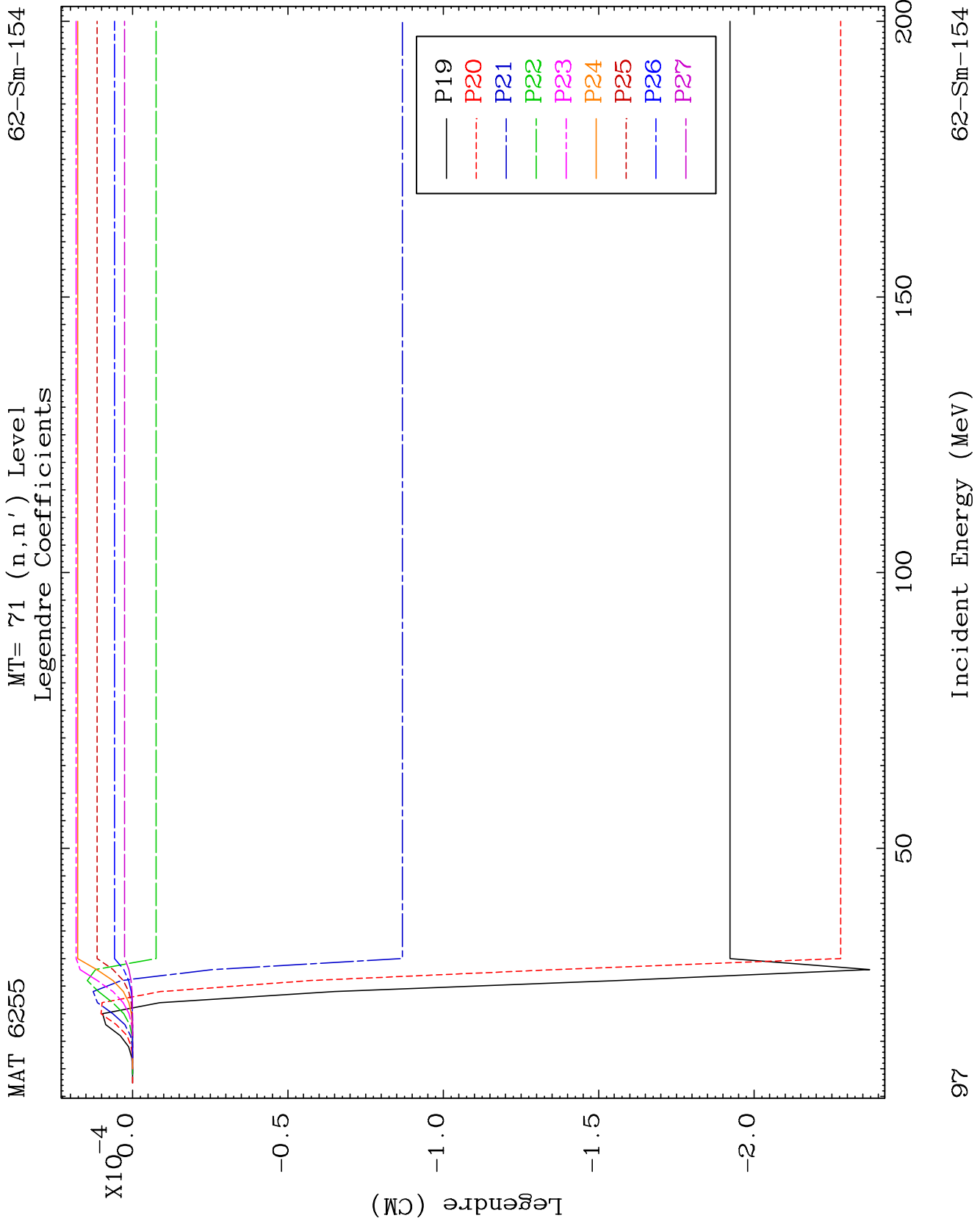
62-Sm-154



96

Incident Energy (MeV)

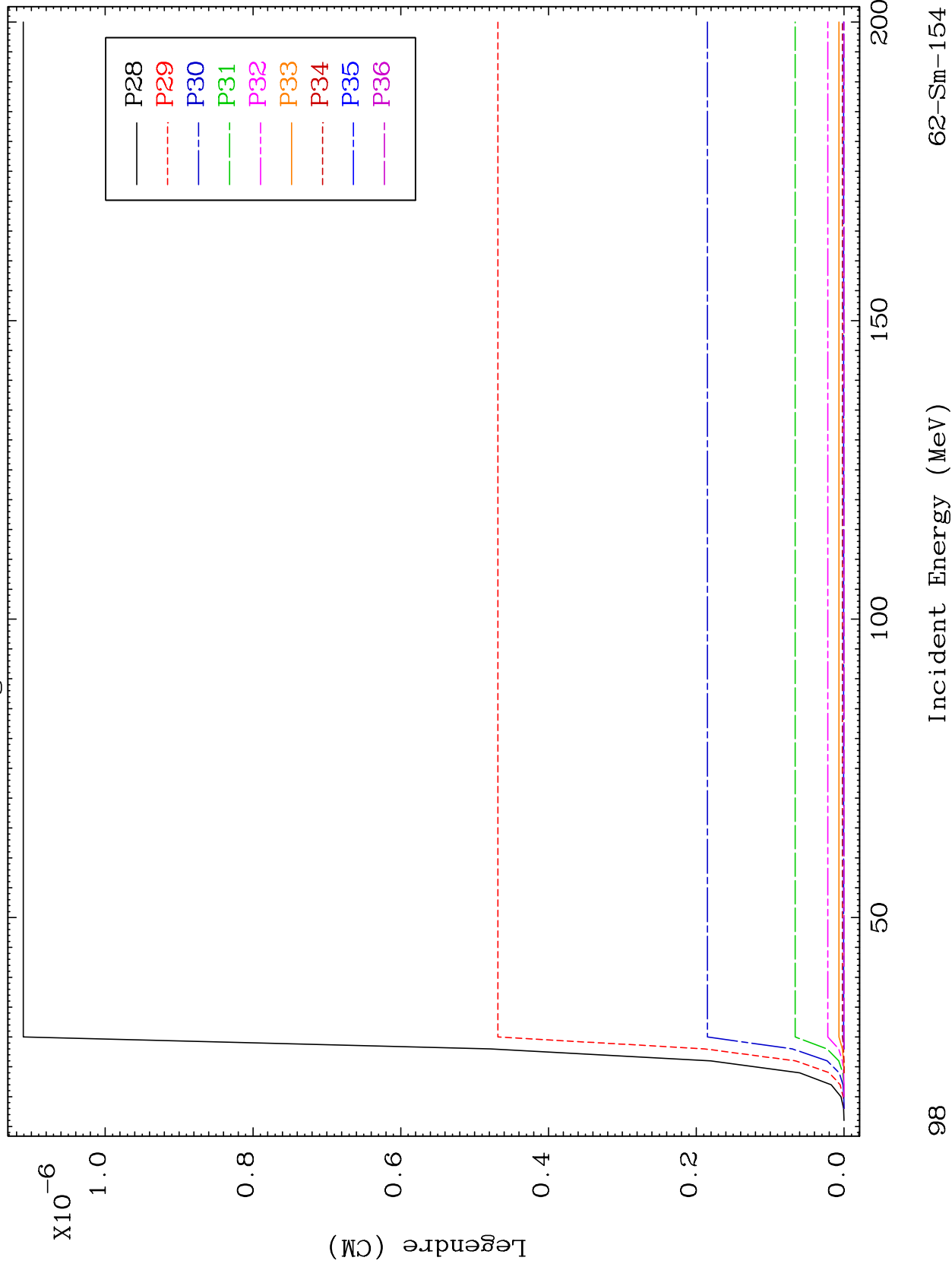
62-Sm-154



MAT 6255

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

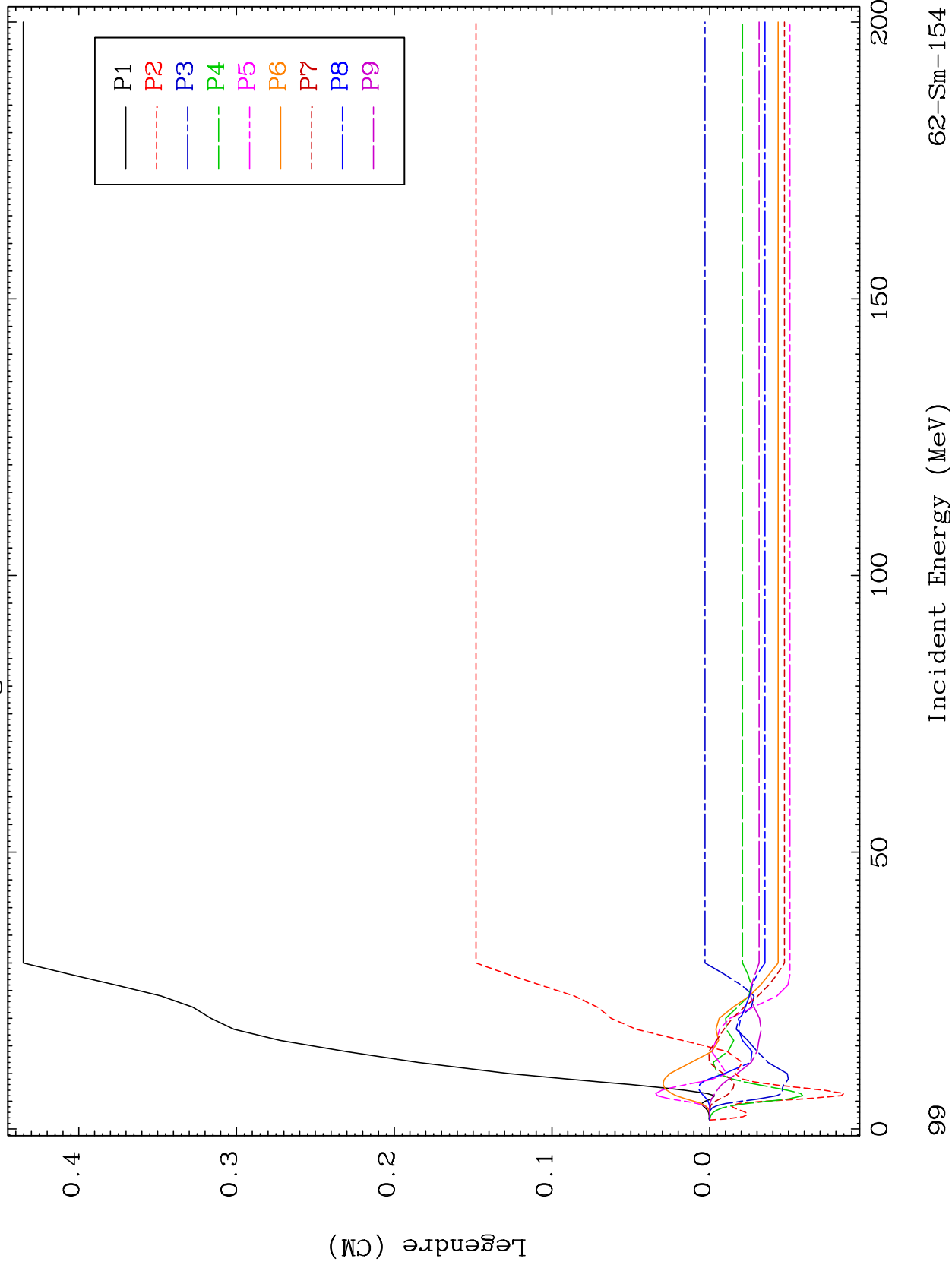
62-Sm-154



MAT 6255

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

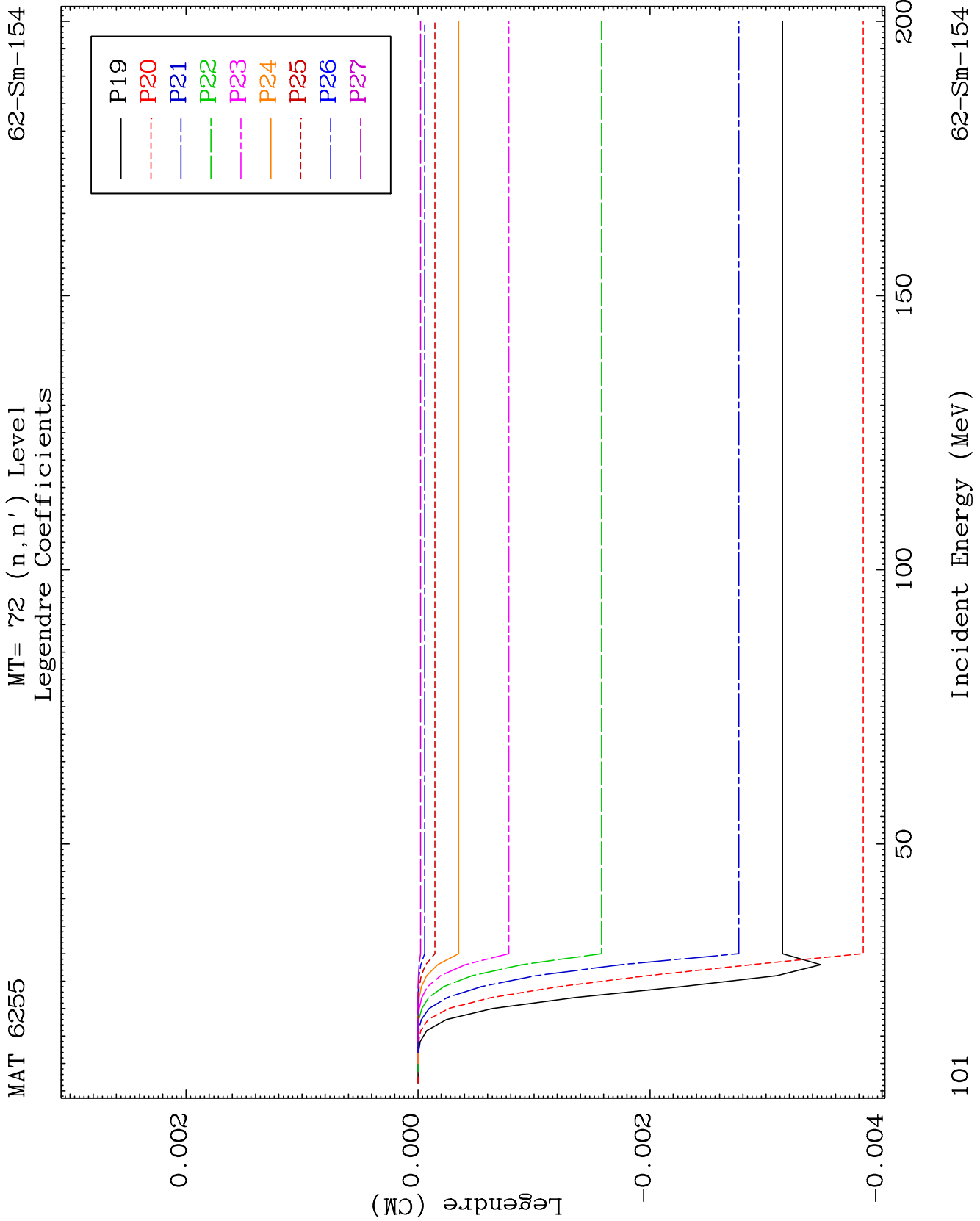
62-Sm-154

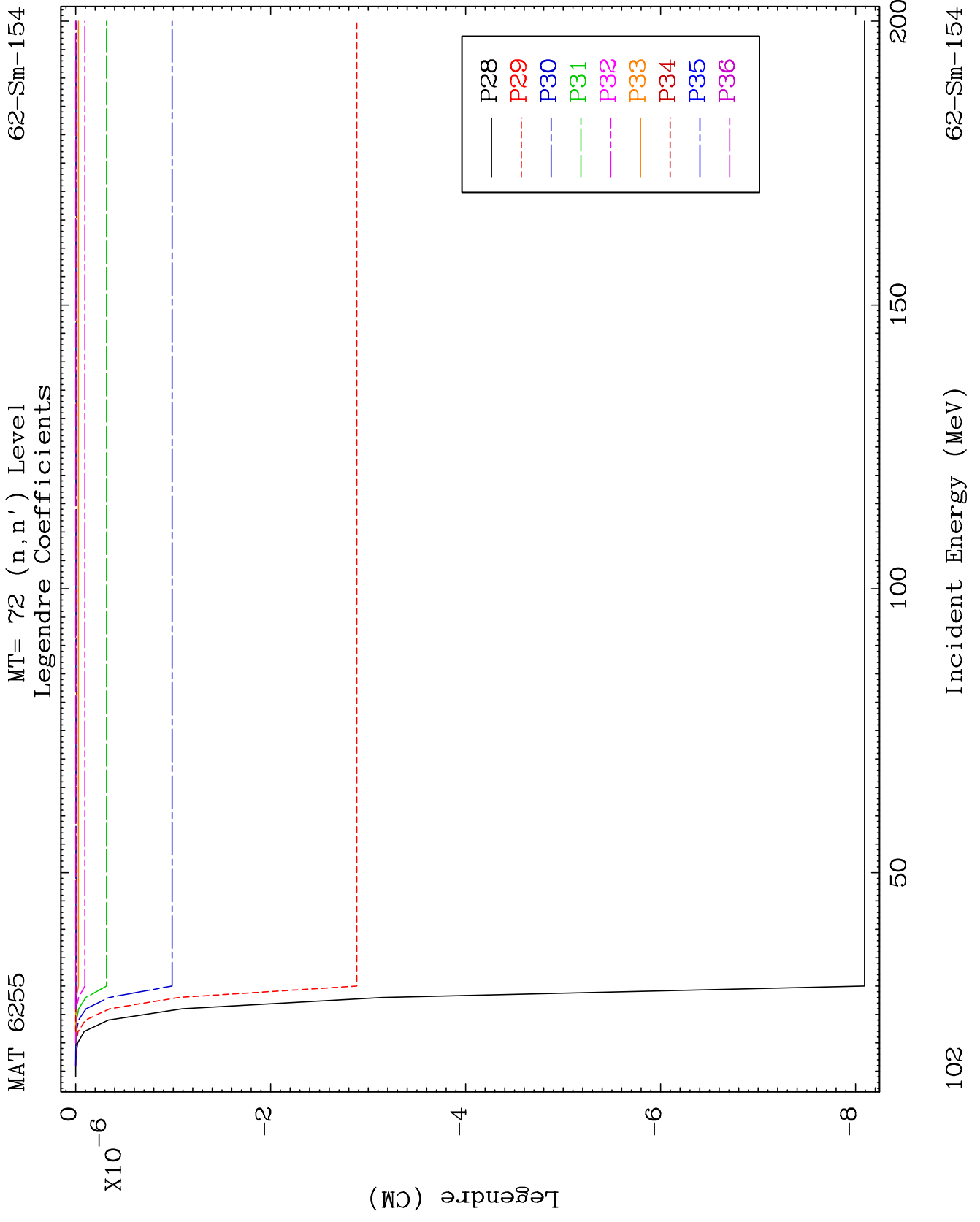


62-Sm-154

Incident Energy (MeV)

99

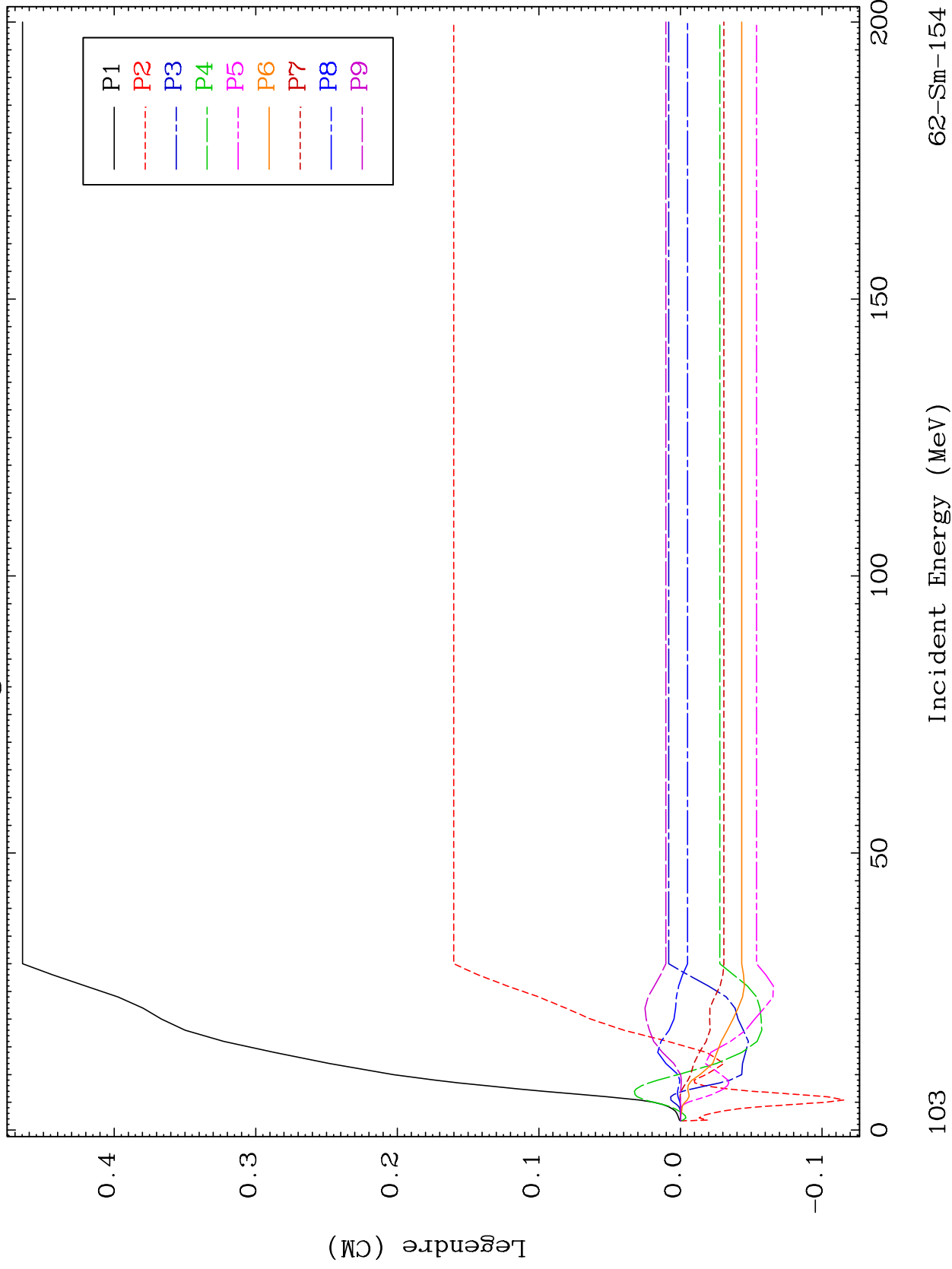




MAT 6255

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

62-Sm-154



62-Sm-154

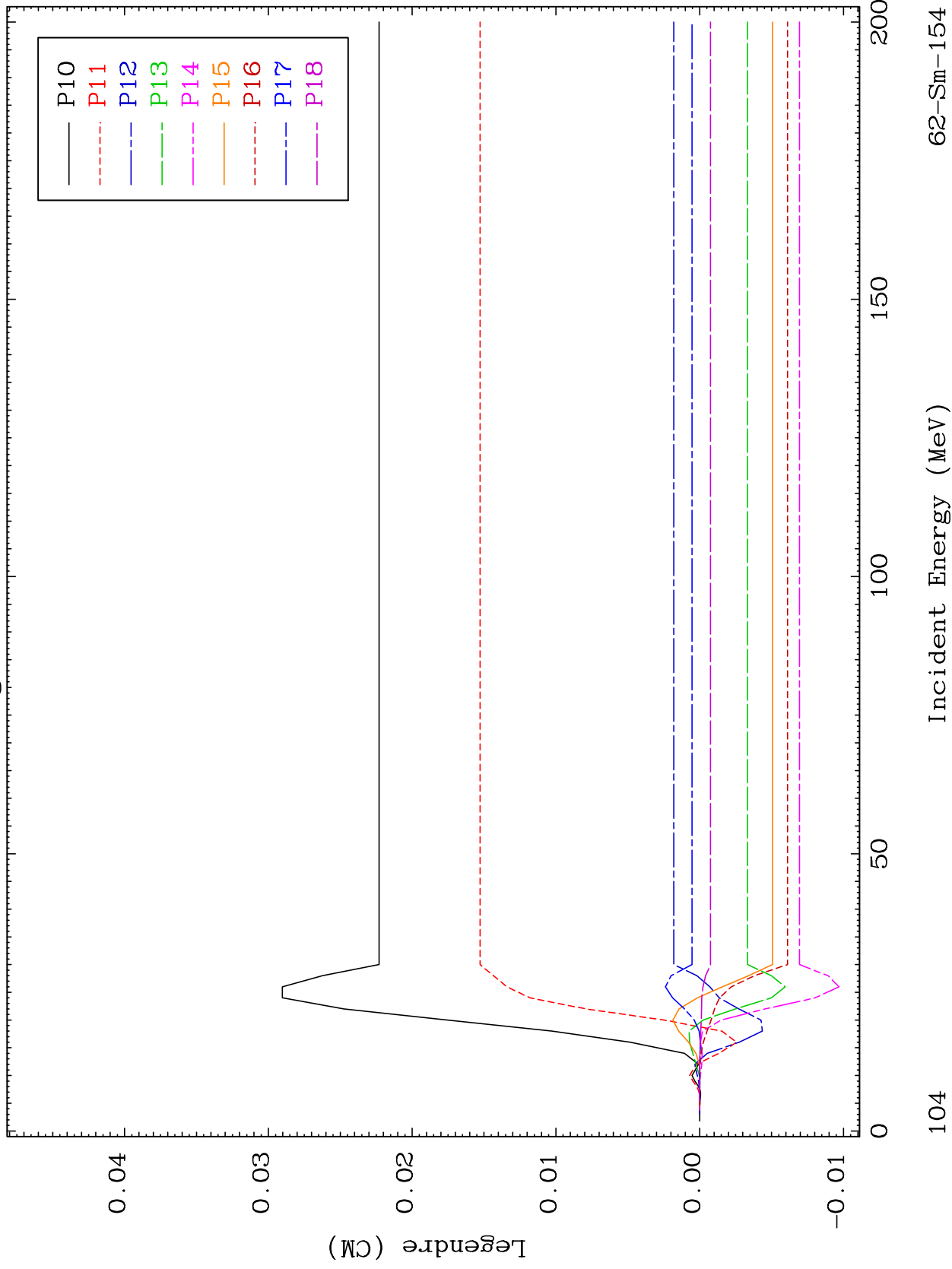
Incident Energy (MeV)

103

MAT 6255

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

62-Sm-154



62-Sm-154

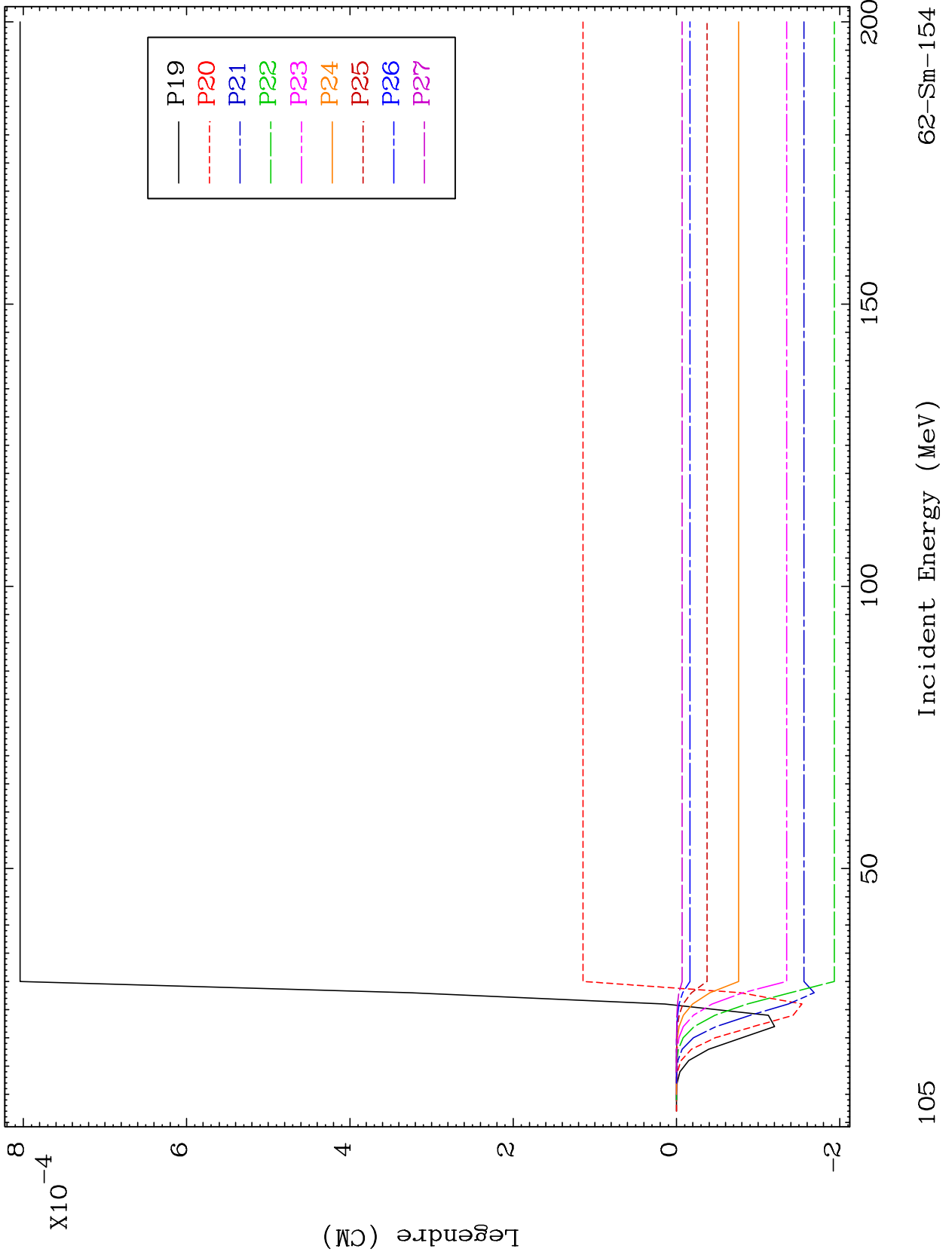
Incident Energy (MeV)

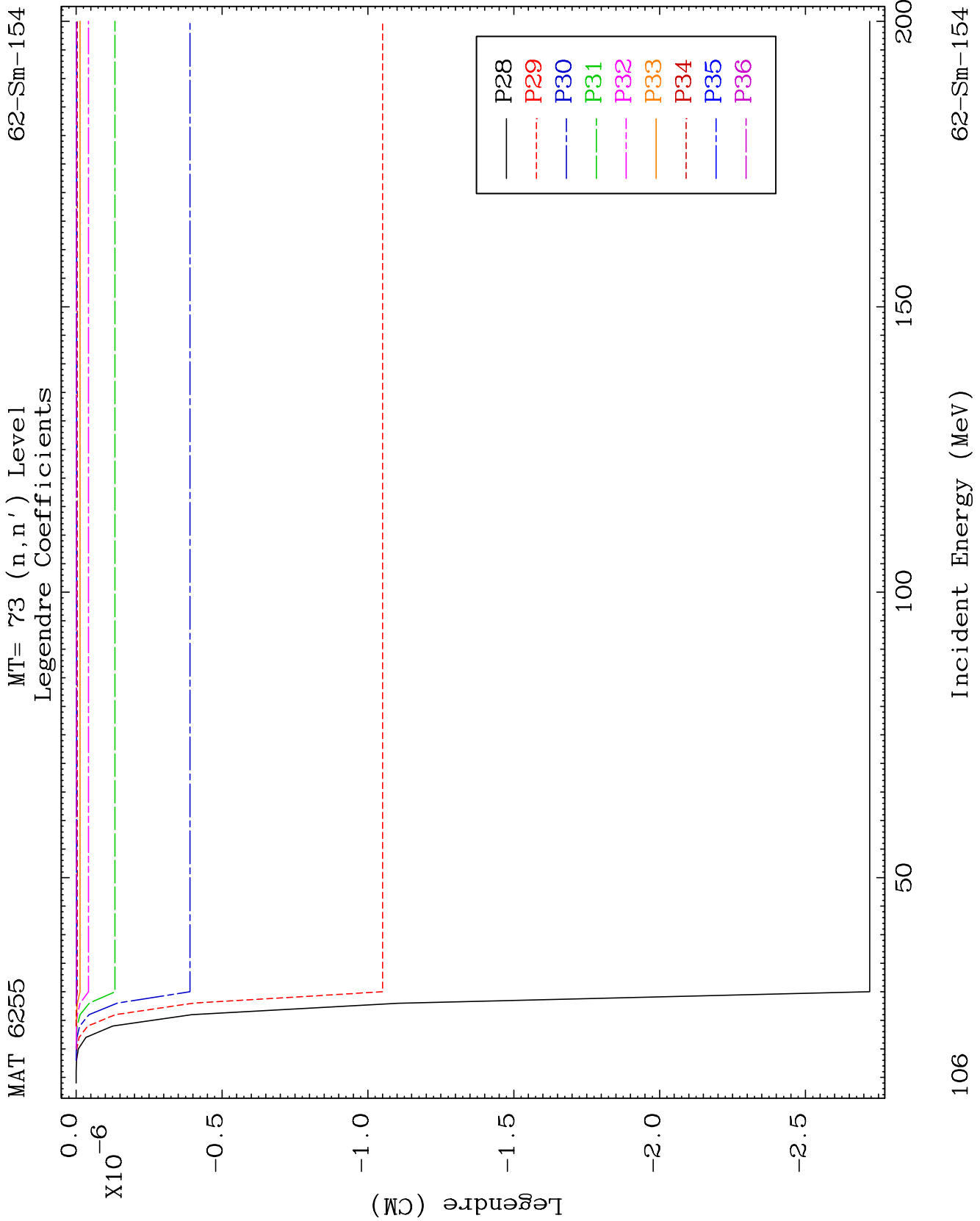
104

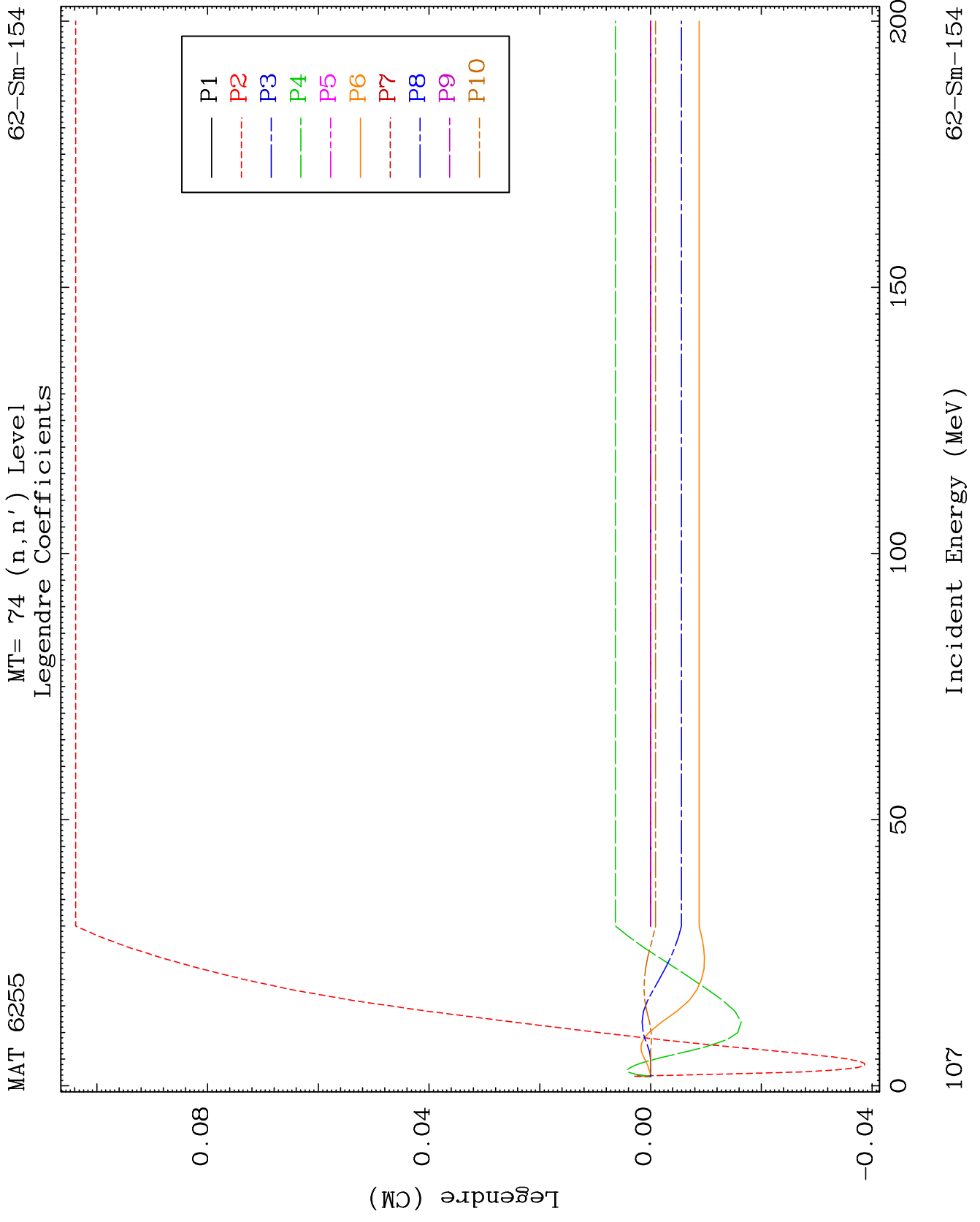
MAT 6255

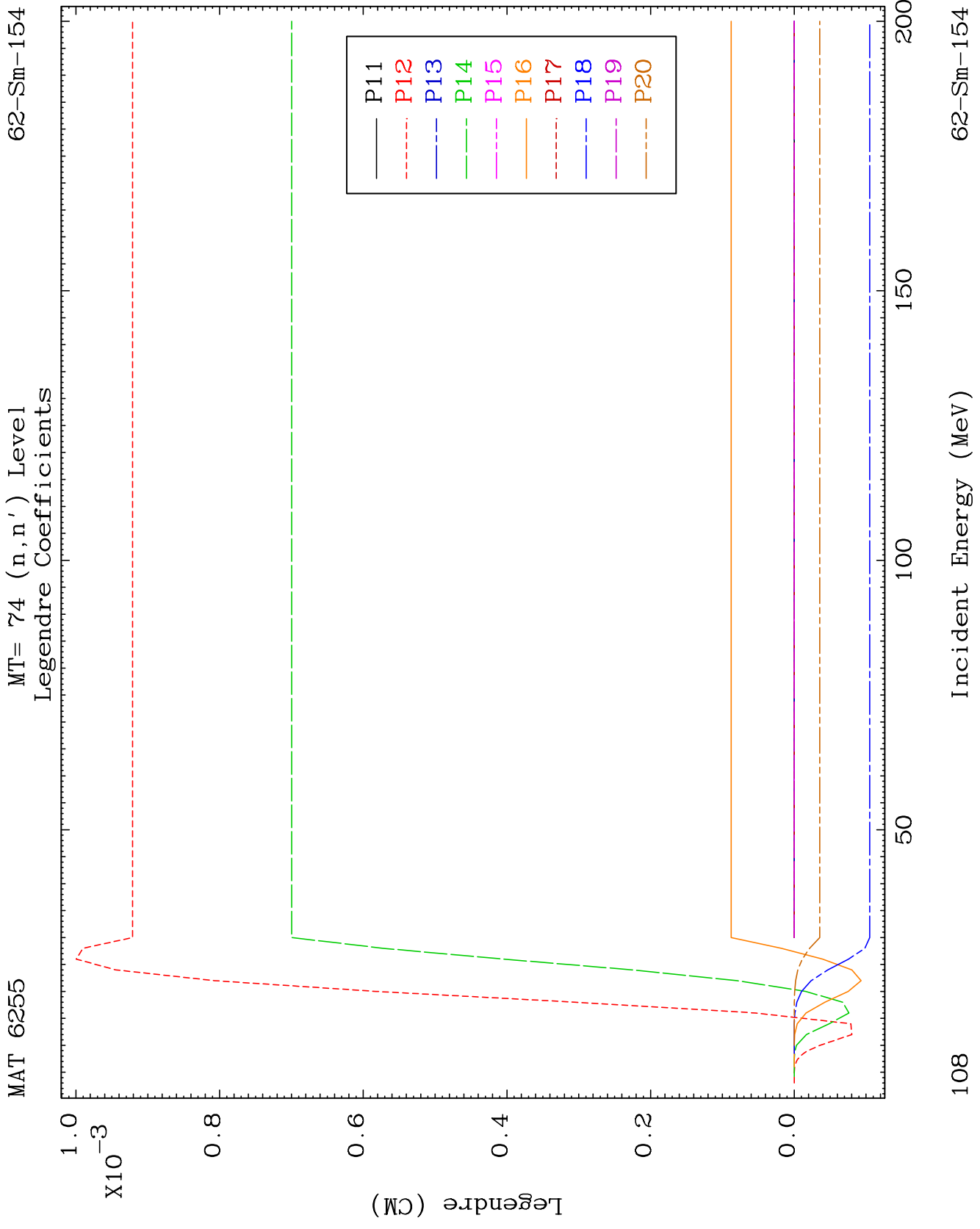
MT= 73 (n,n') Level
Legendre Coefficients

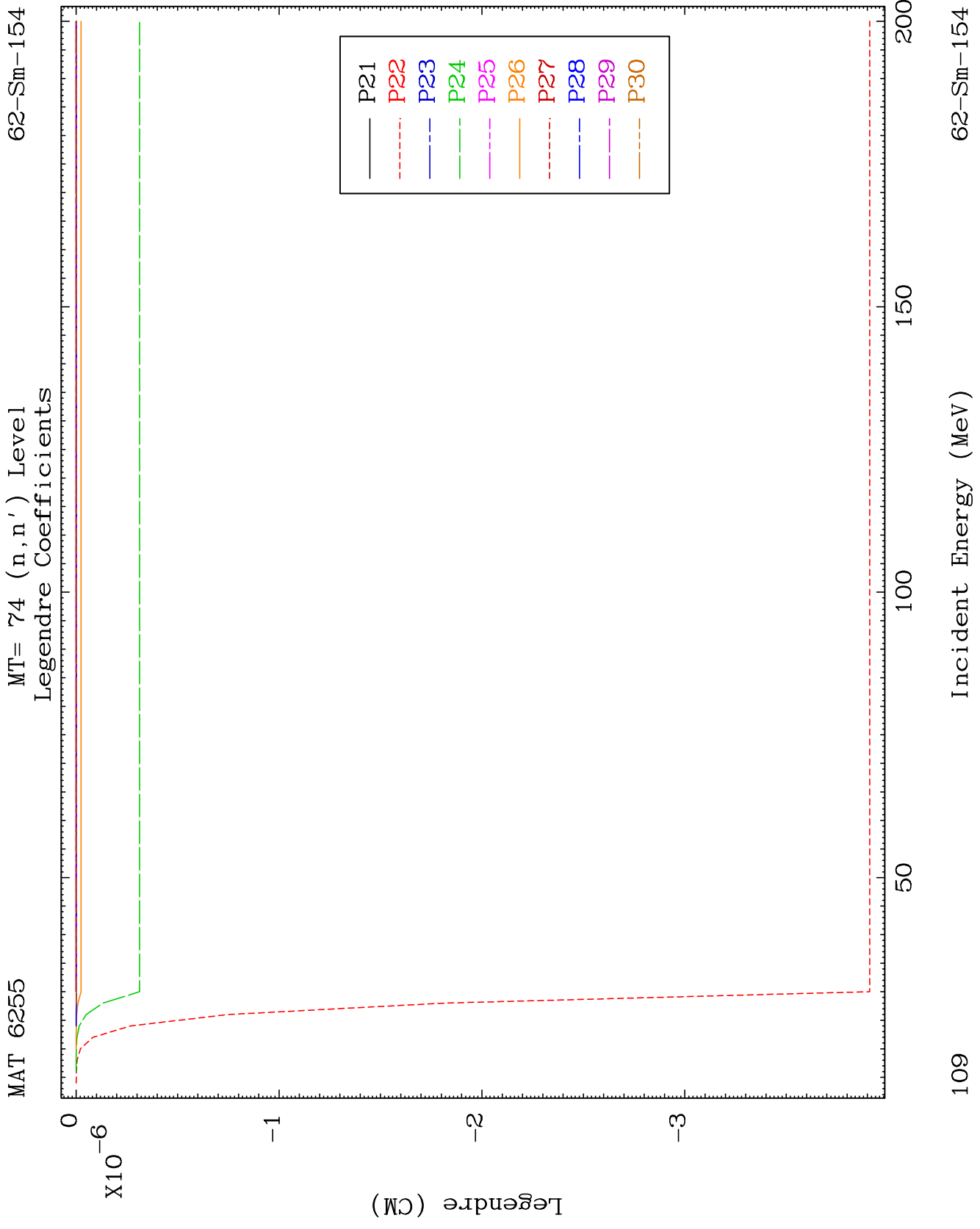
62-Sm-154

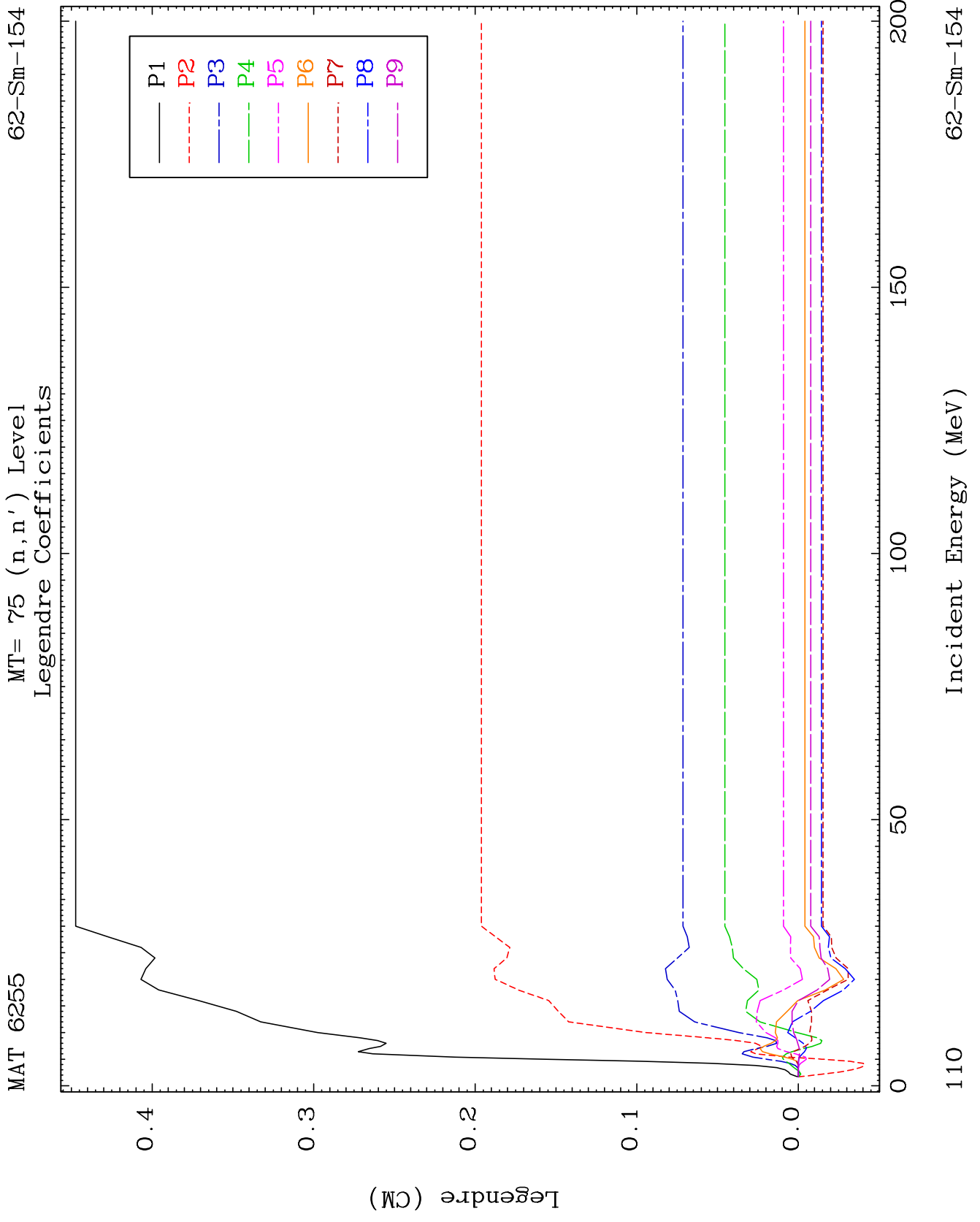








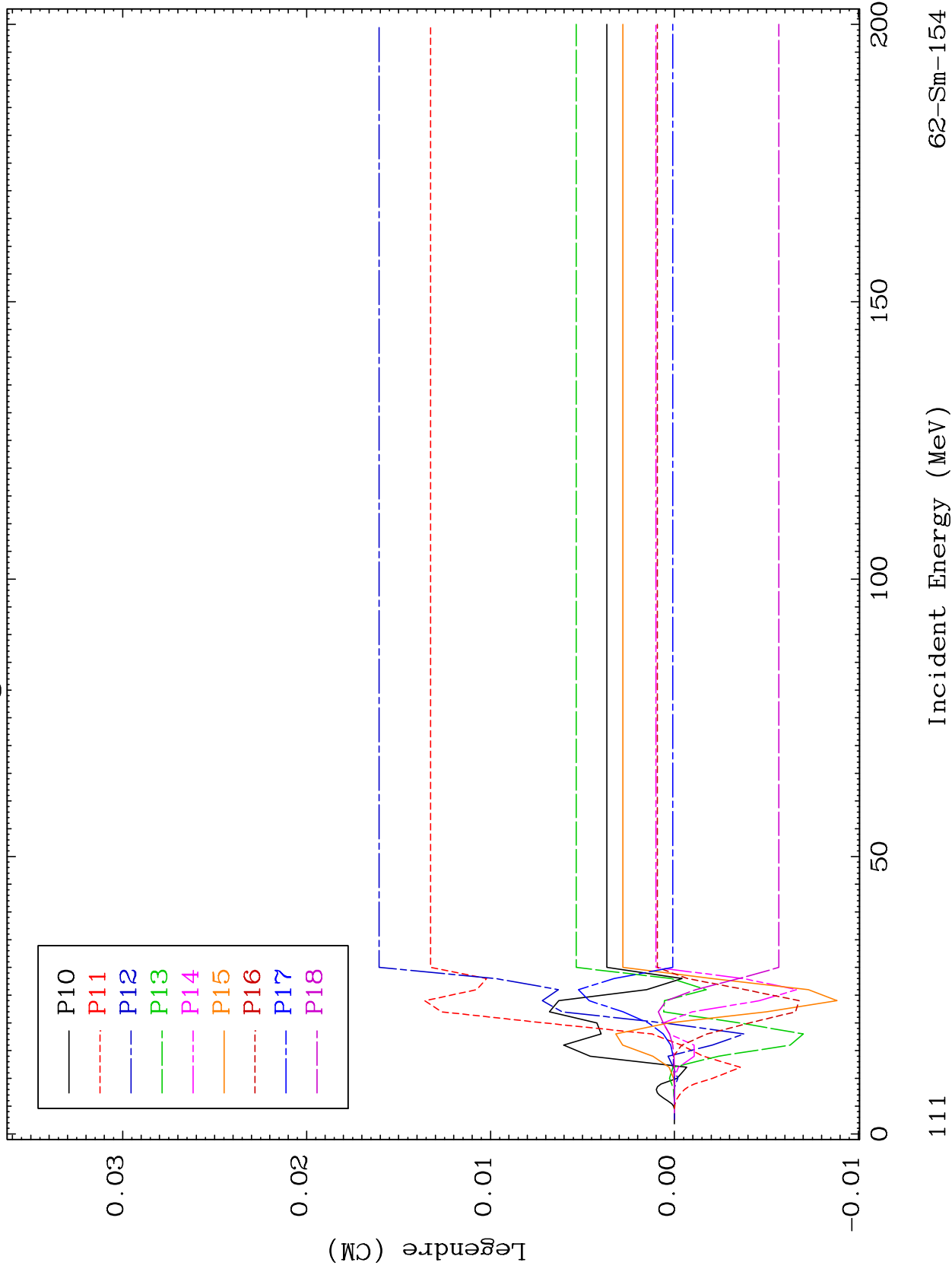




MAT 6255

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

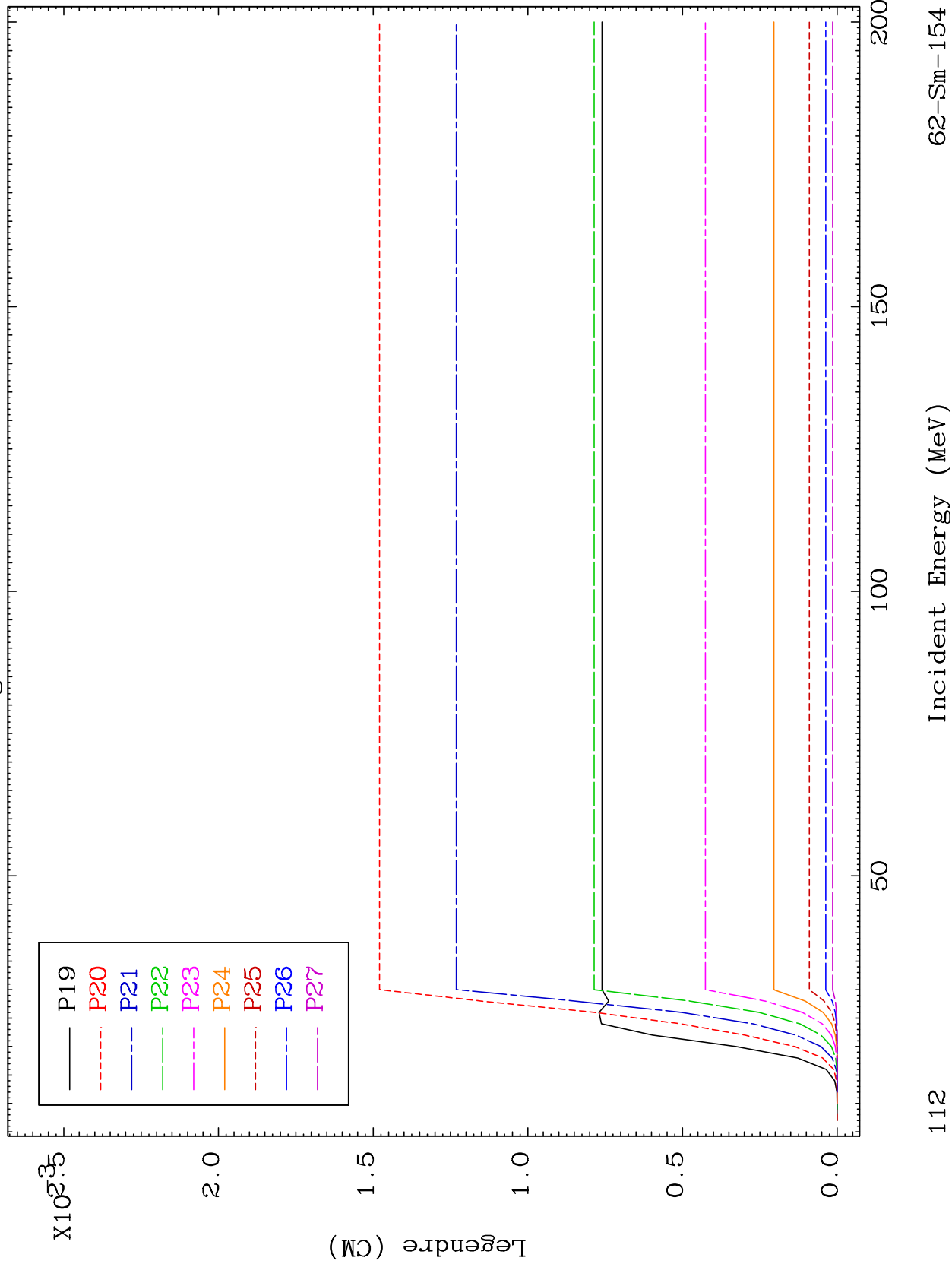
62-Sm-154



MAT 6255

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

62-Sm-154



112

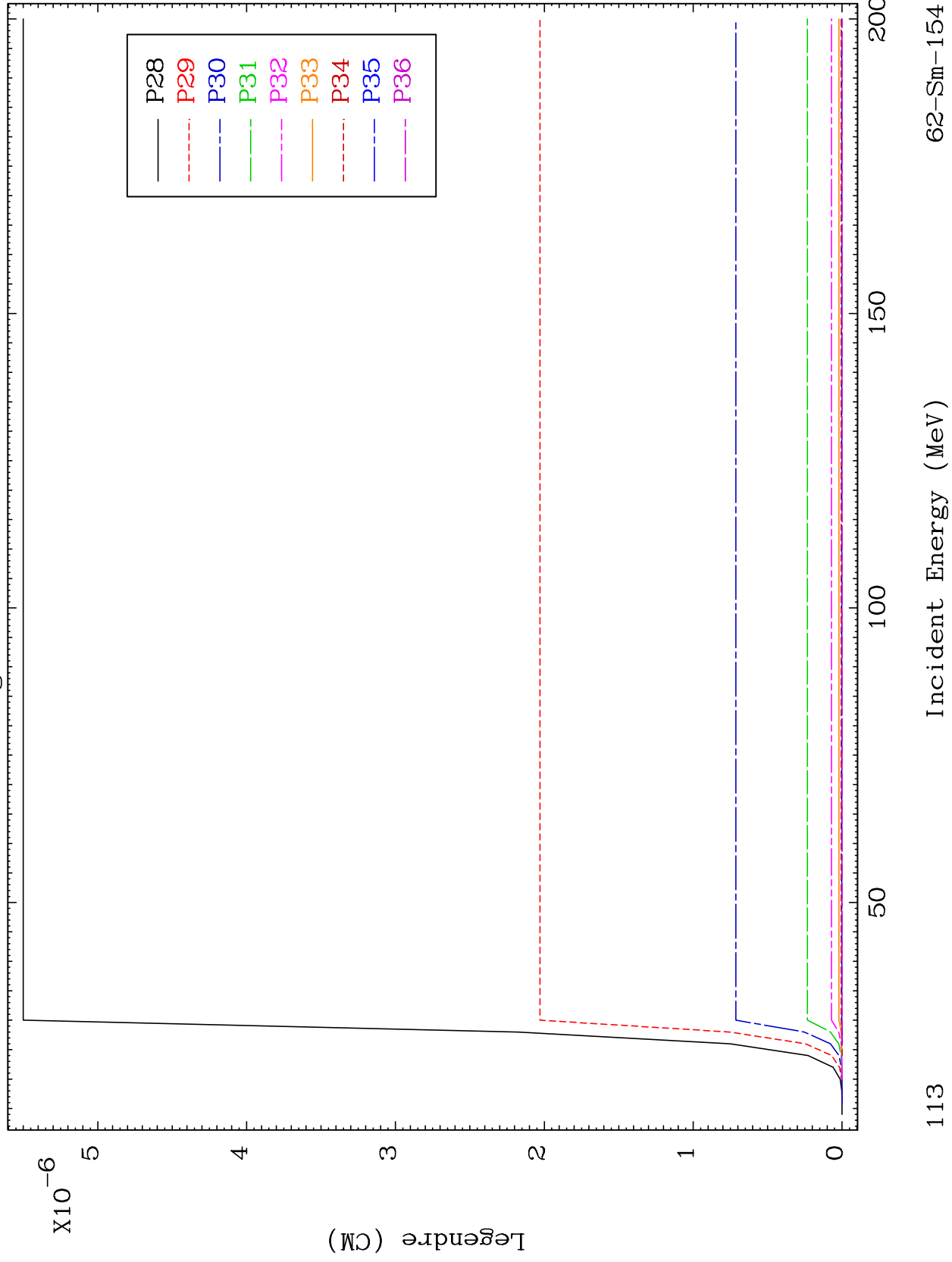
Incident Energy (MeV)

62-Sm-154

MAT 6255

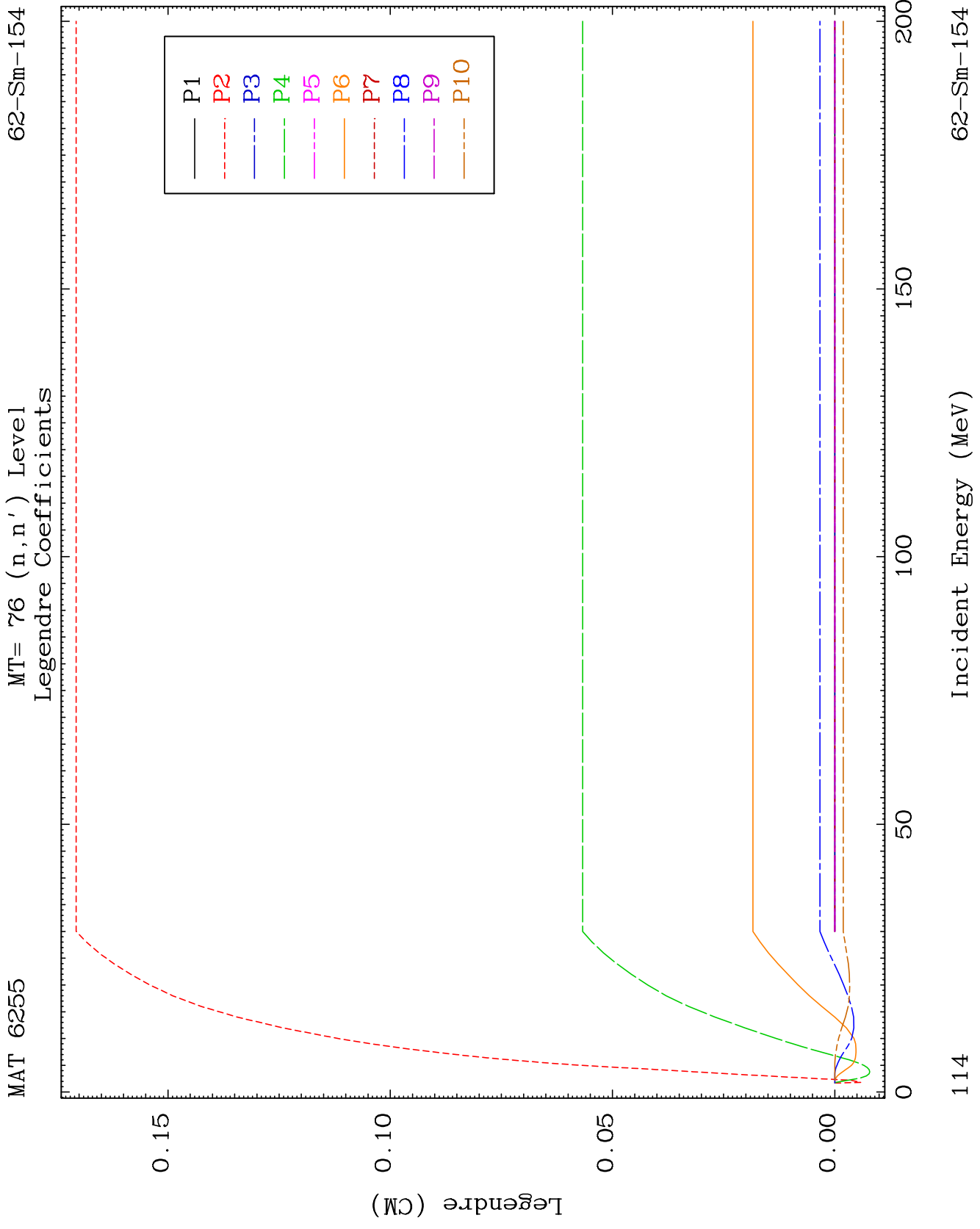
MT= 75 (n,n') Level
Legendre Coefficients

62-Sm-154



113

62-Sm-154



62-Sm-154

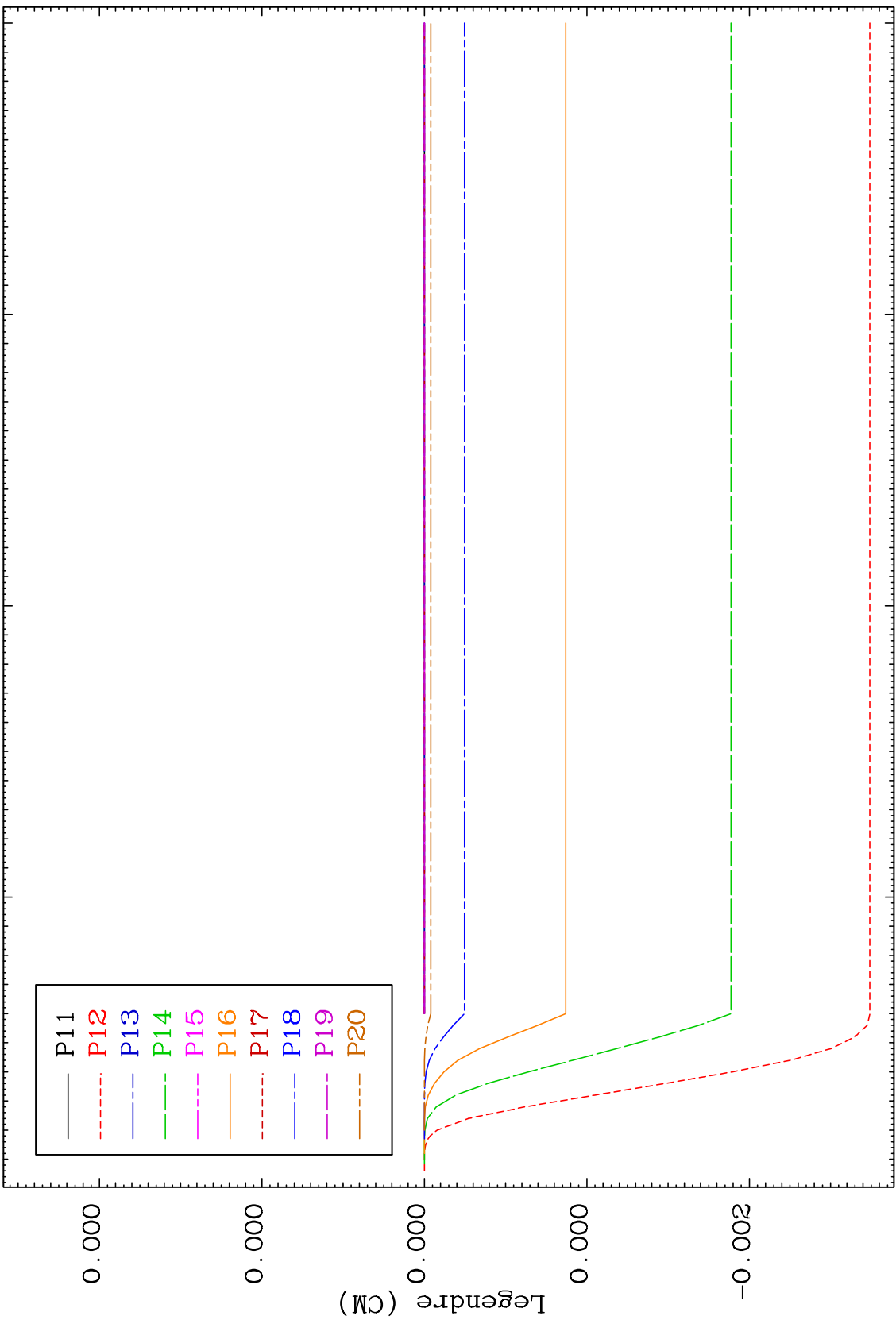
Incident Energy (MeV)

114

MAT 6255

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

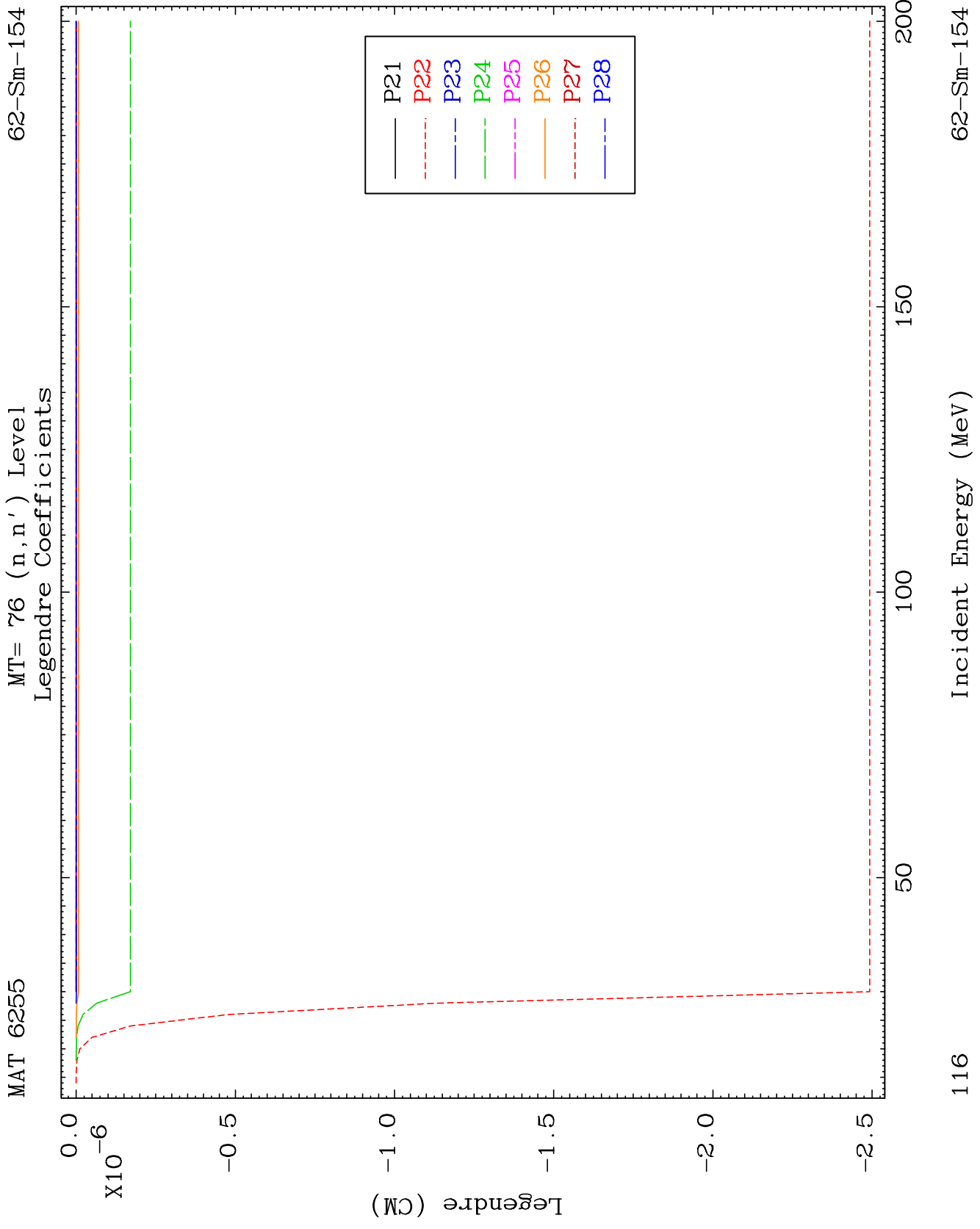
62-Sm-154

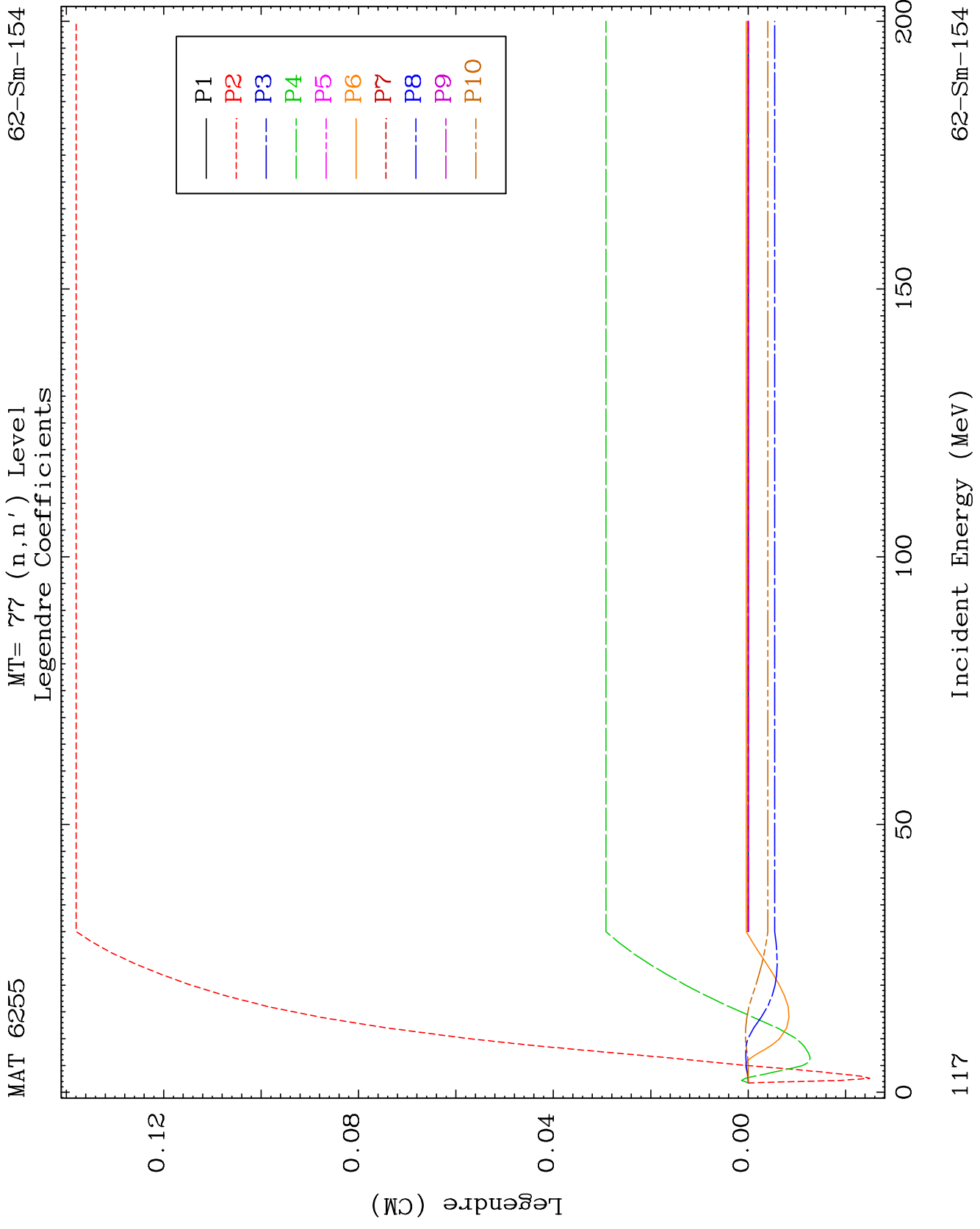


115

Incident Energy (MeV)

62-Sm-154

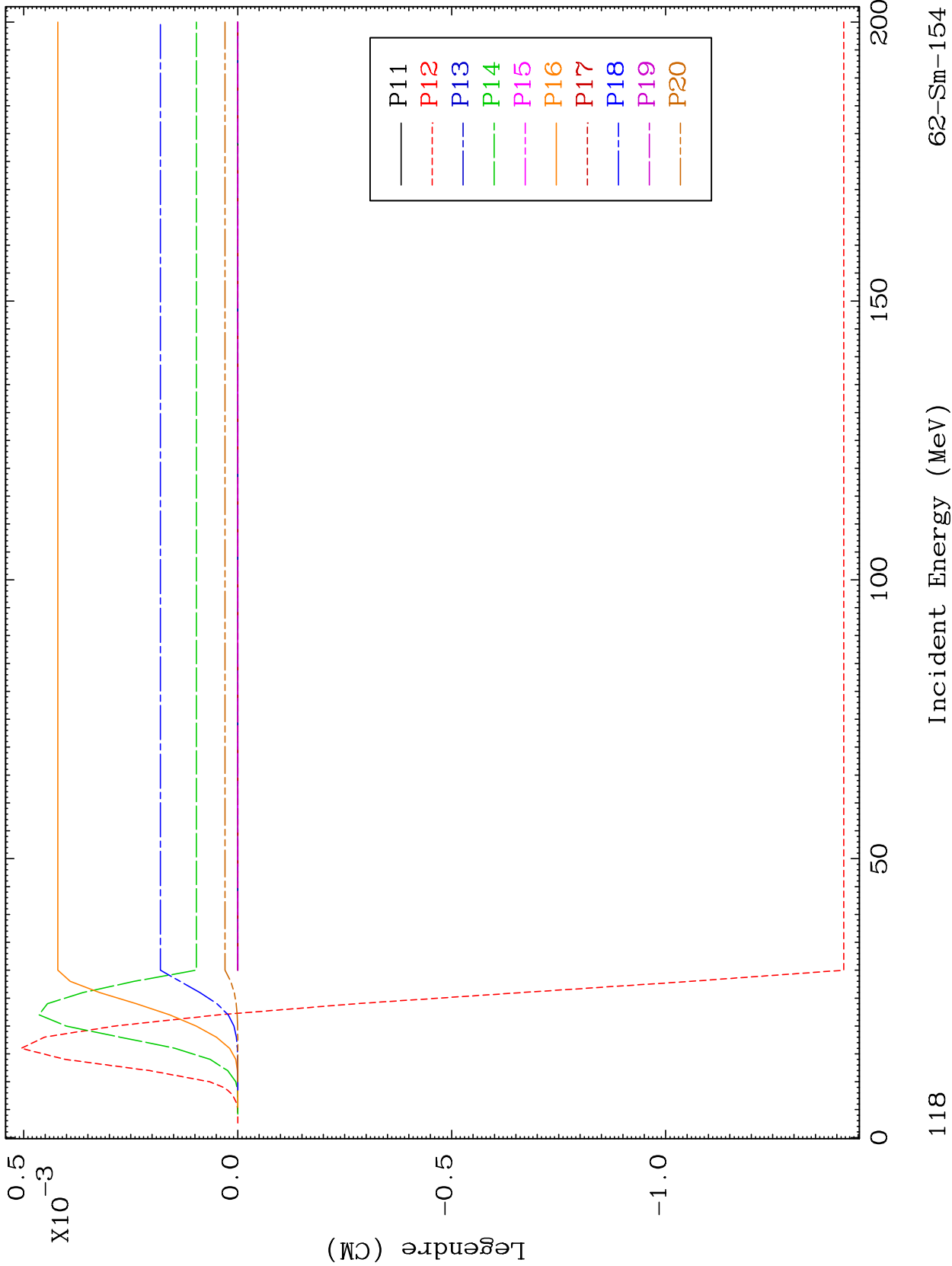




MAT 6255

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

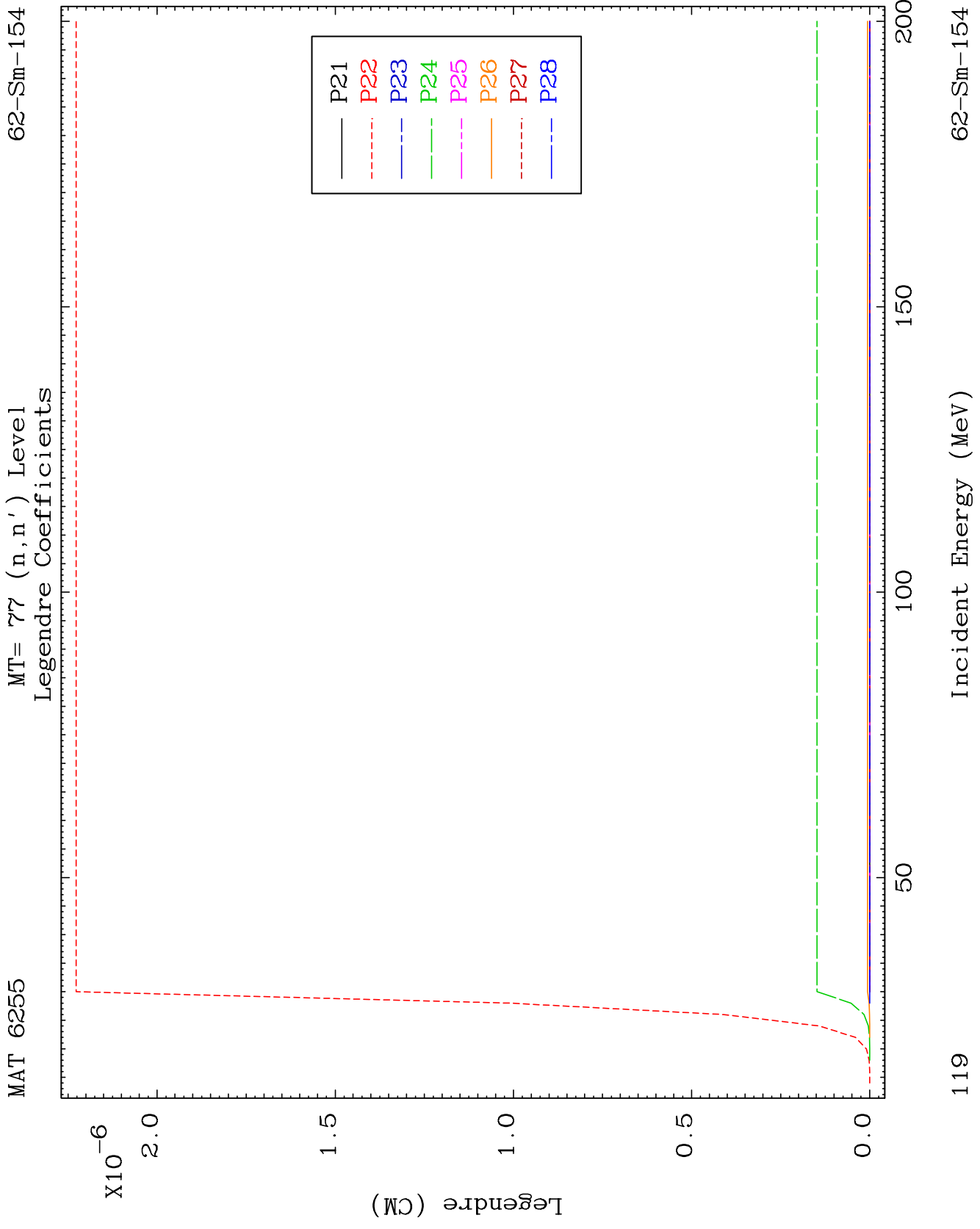
62-Sm-154

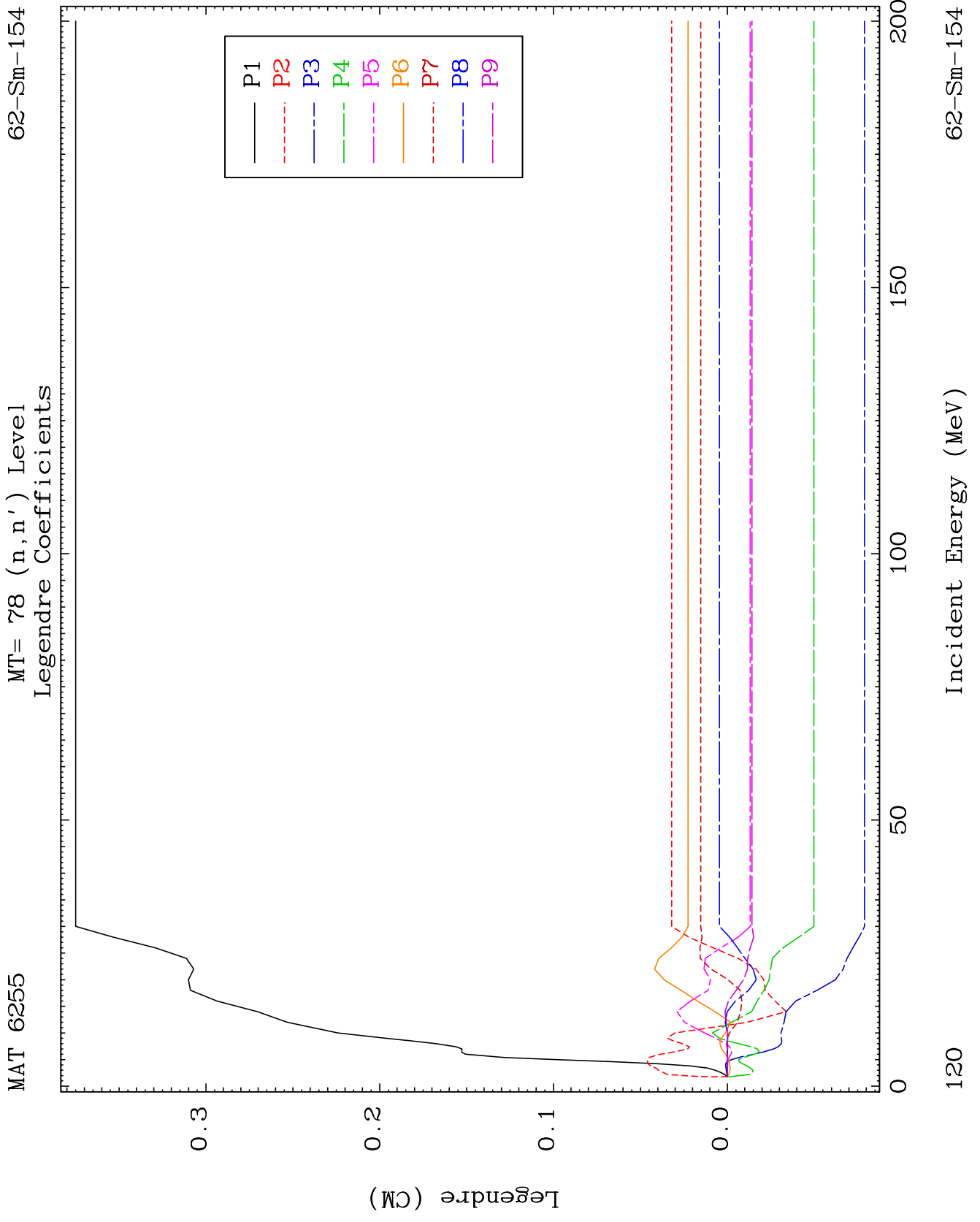


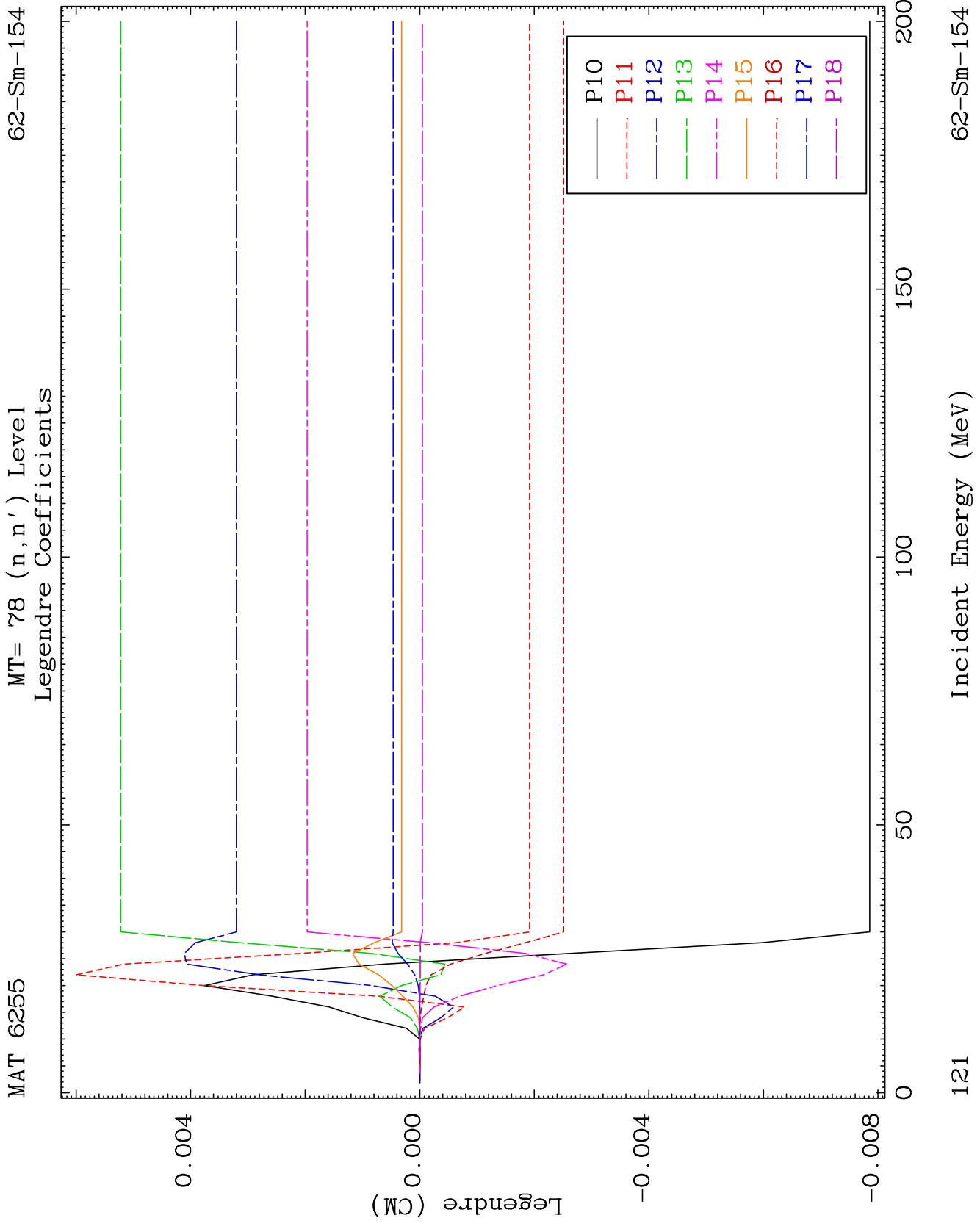
62-Sm-154

Incident Energy (MeV)

118



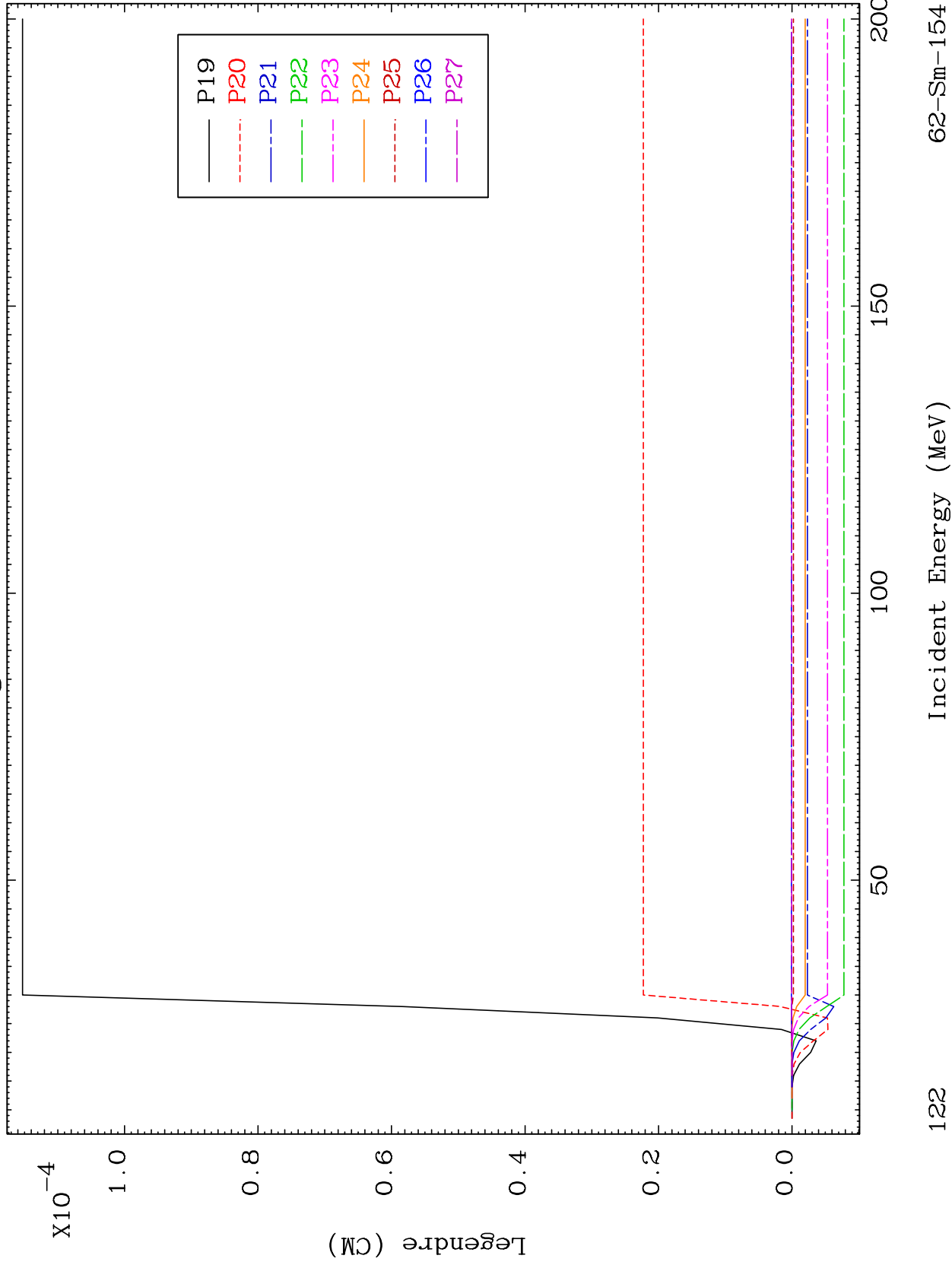




MAT 6255

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

62-Sm-154



122

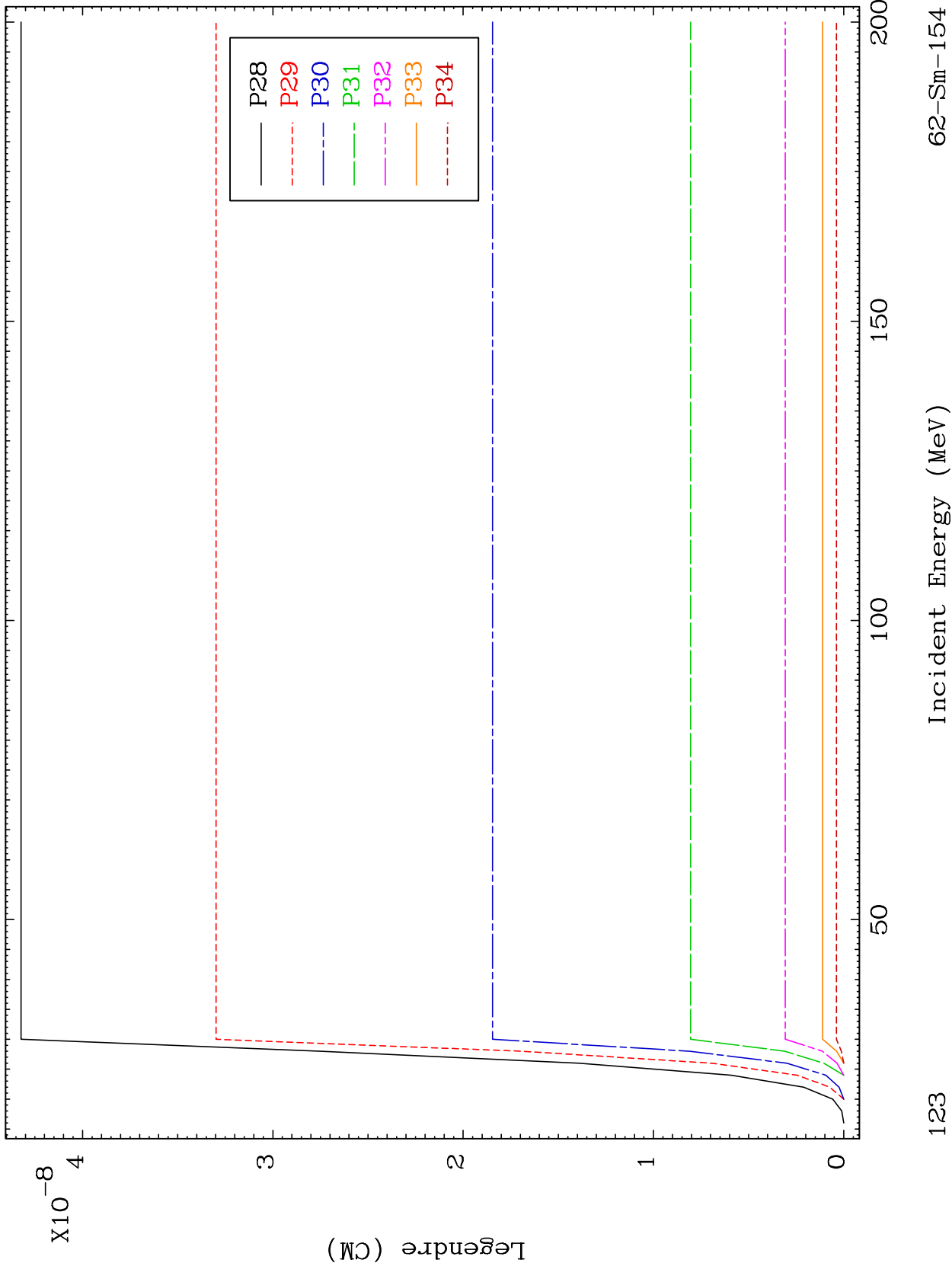
Incident Energy (MeV)

62-Sm-154

MAT 6255

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

62-Sm-154

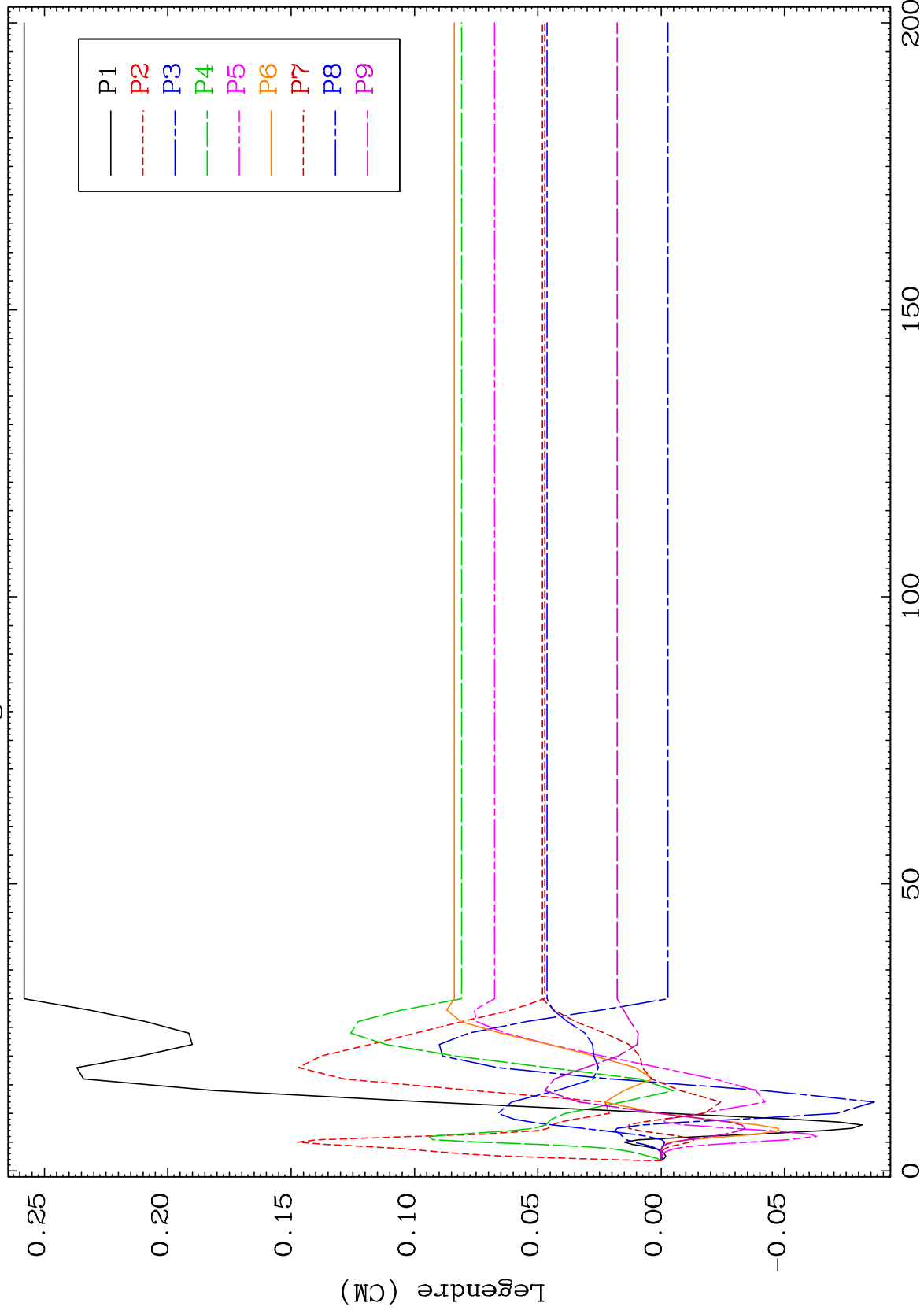


123

MAT 62555

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

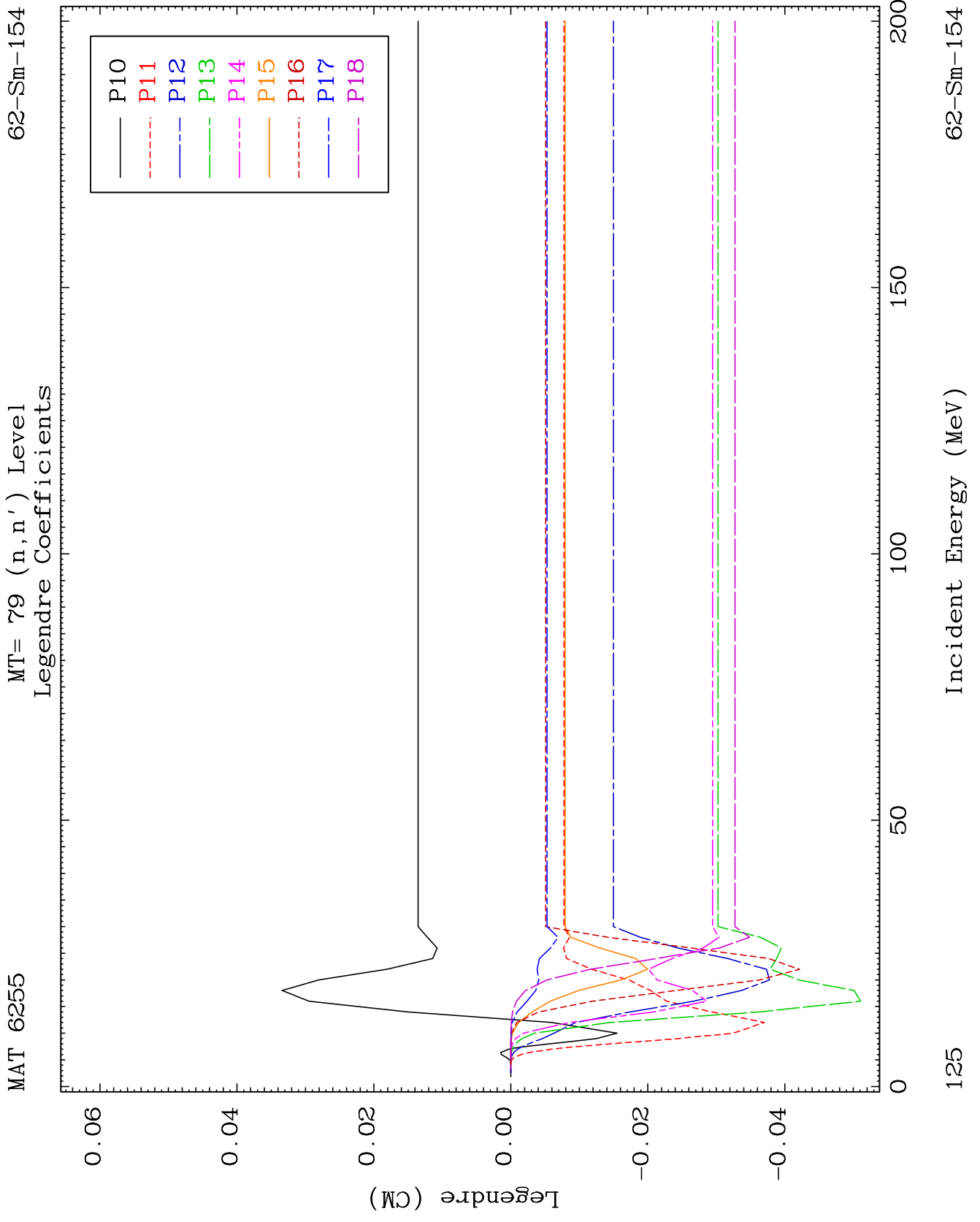
62-Sm-154



124

Incident Energy (MeV)

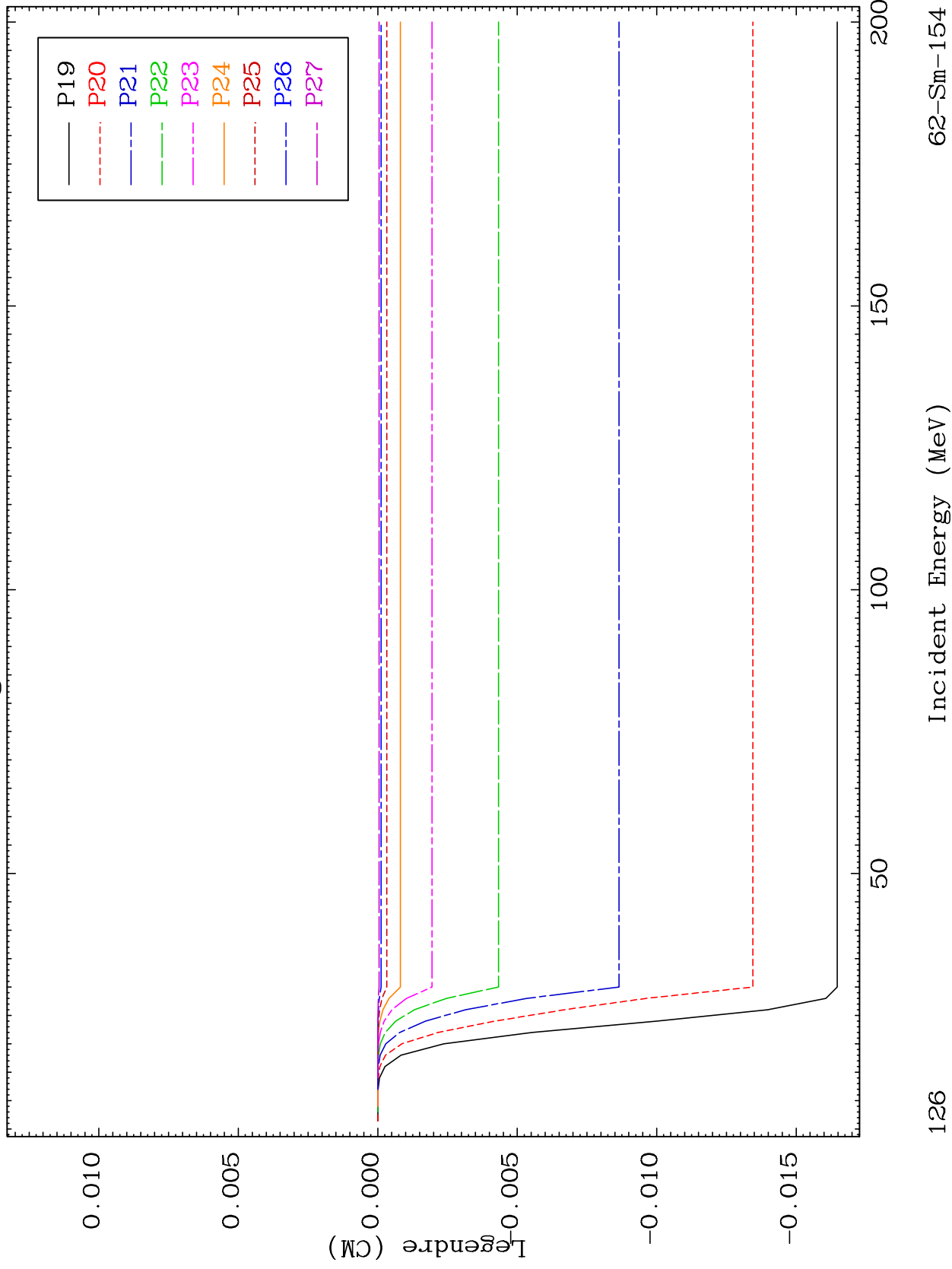
62-Sm-154



MAT 6255

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

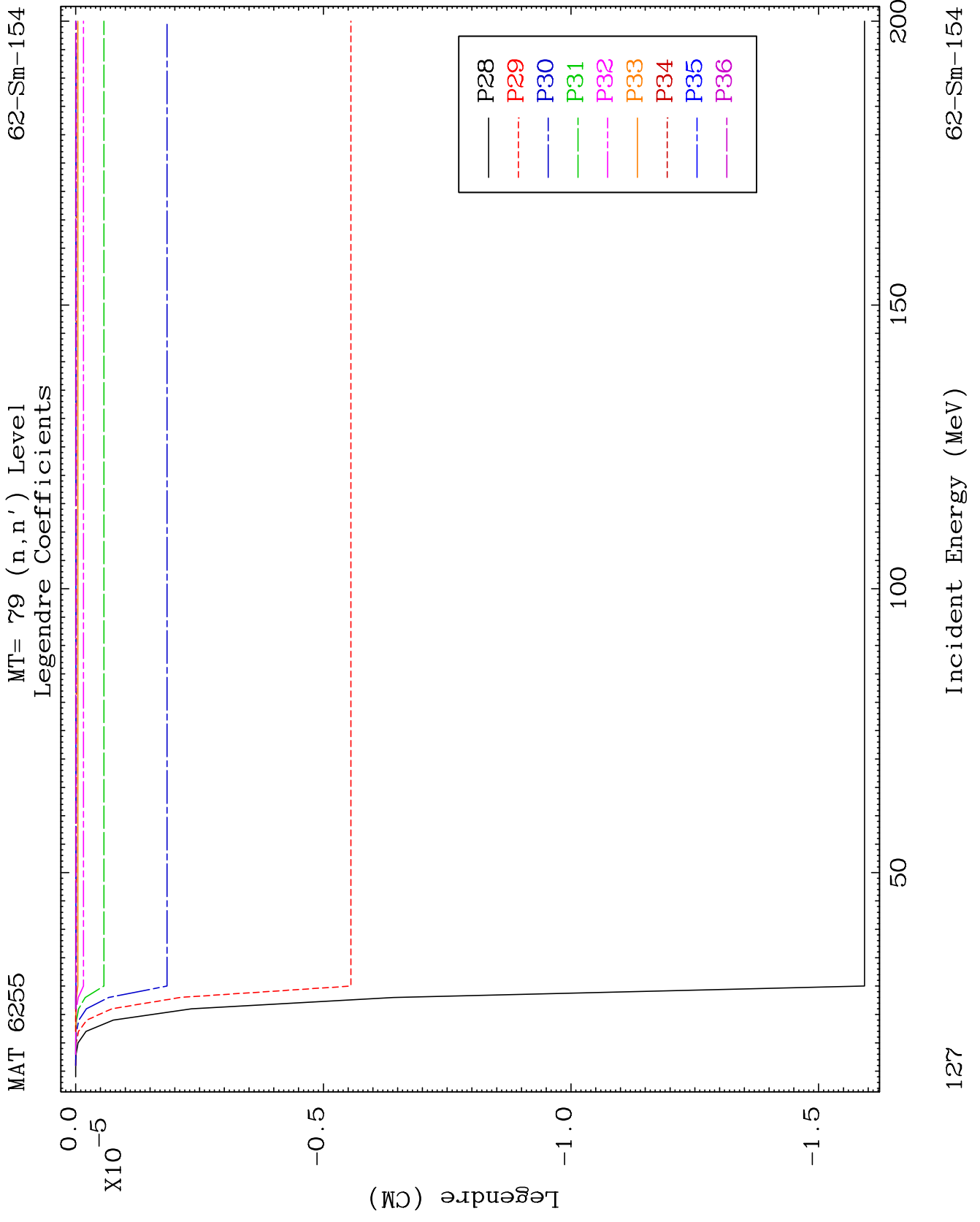
62-Sm-154



126

Incident Energy (MeV)

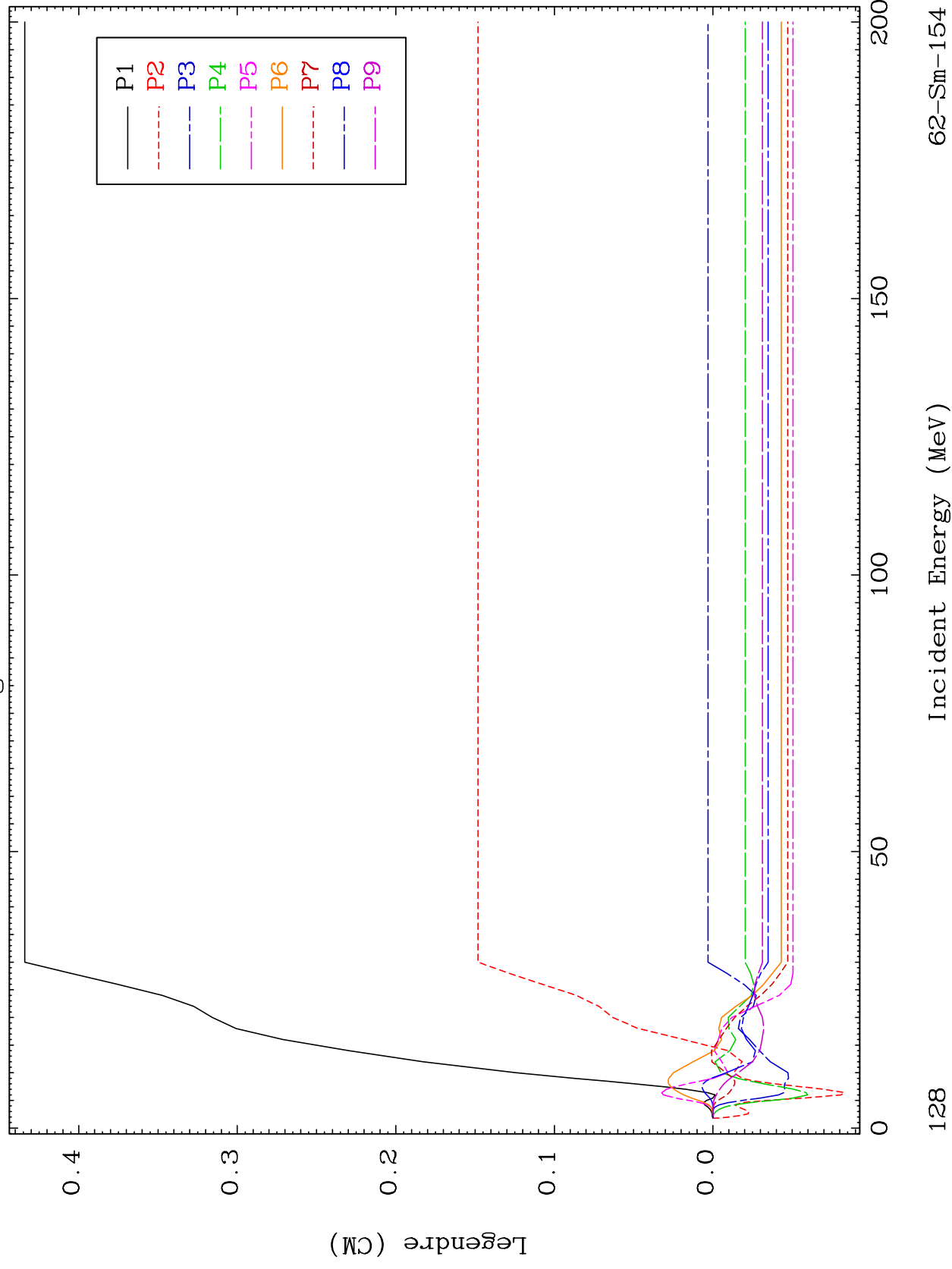
62-Sm-154



MAT 6255

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

62-Sm-154



62-Sm-154

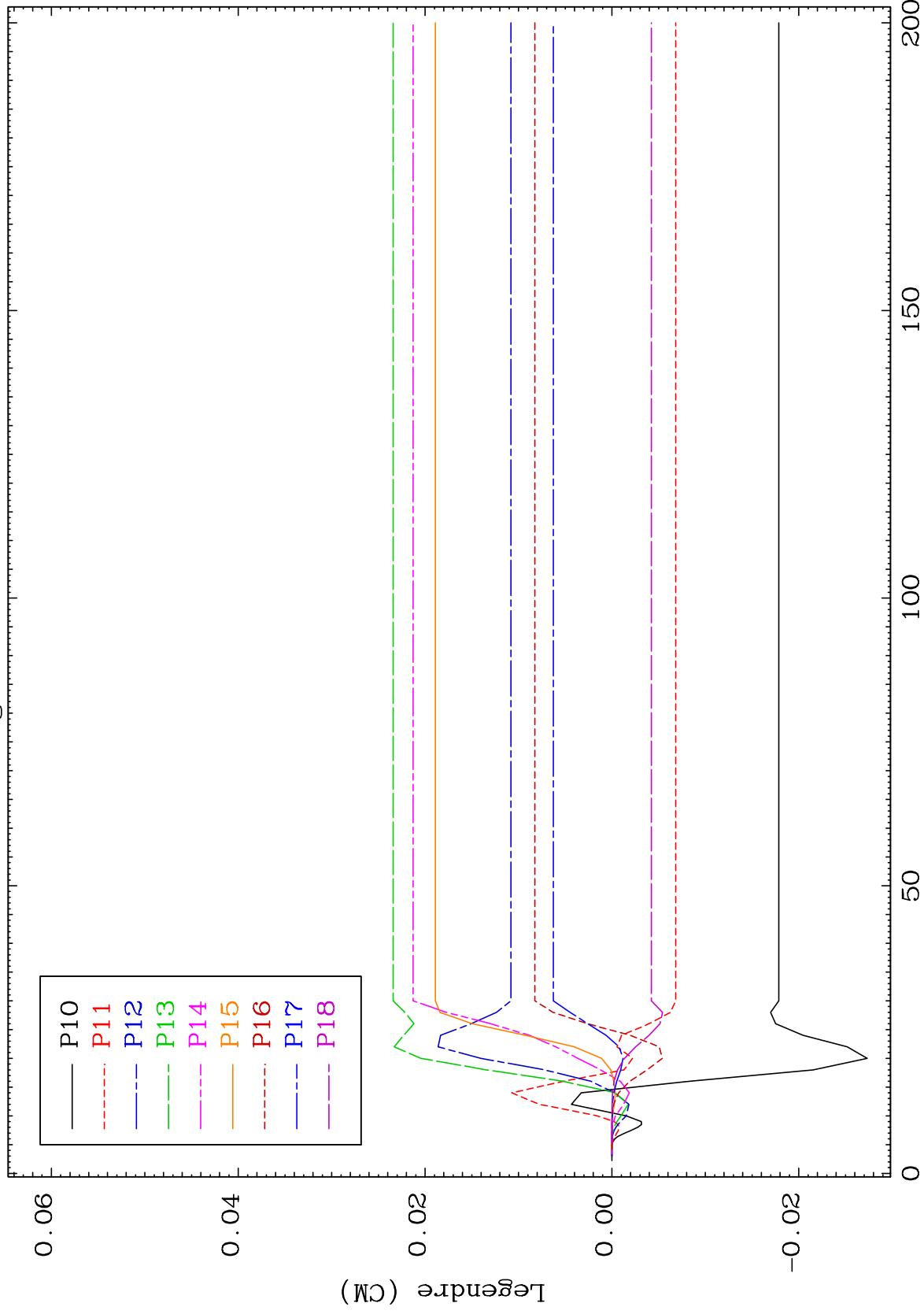
Incident Energy (MeV)

128

MAT 62555

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

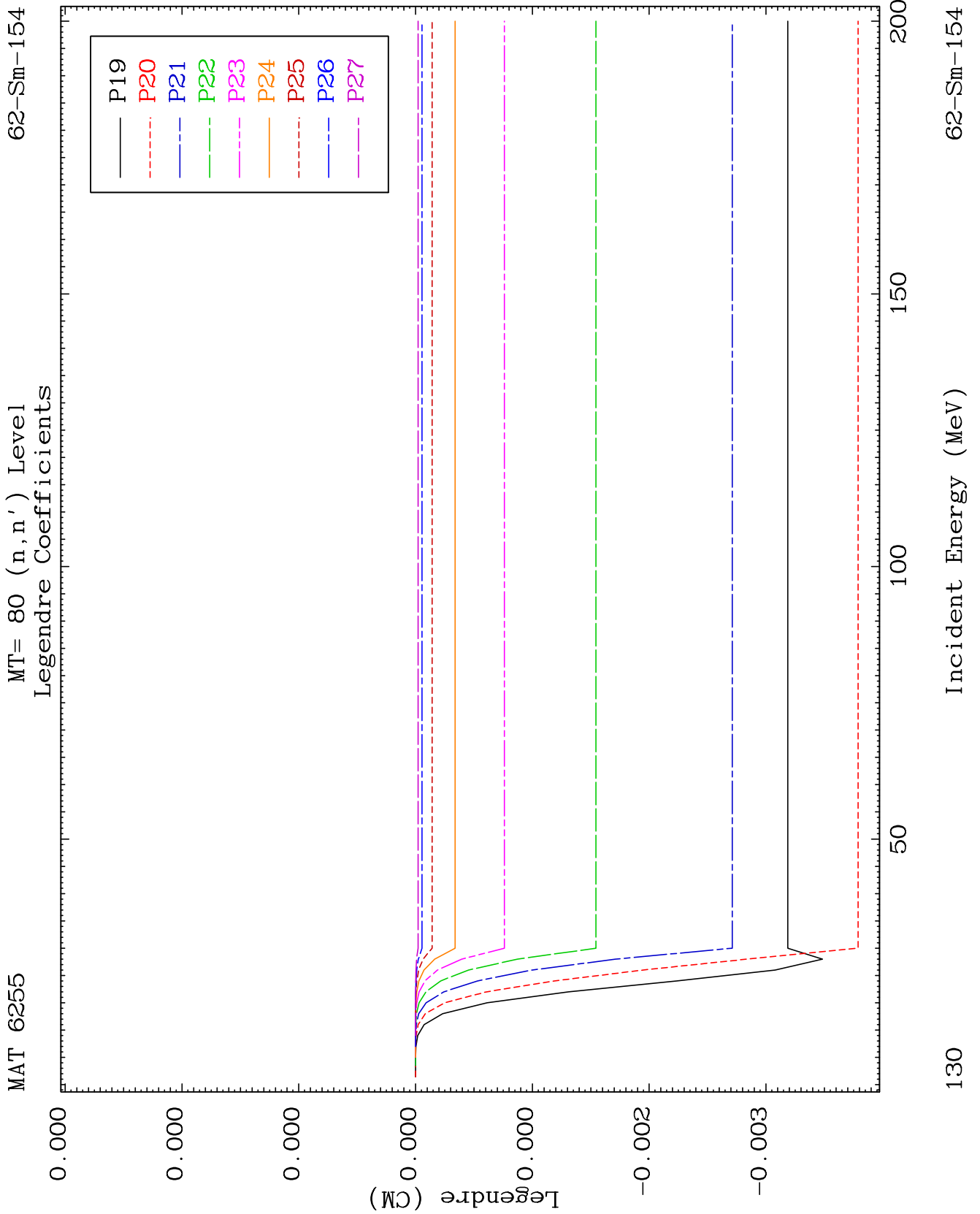
62-Sm-154

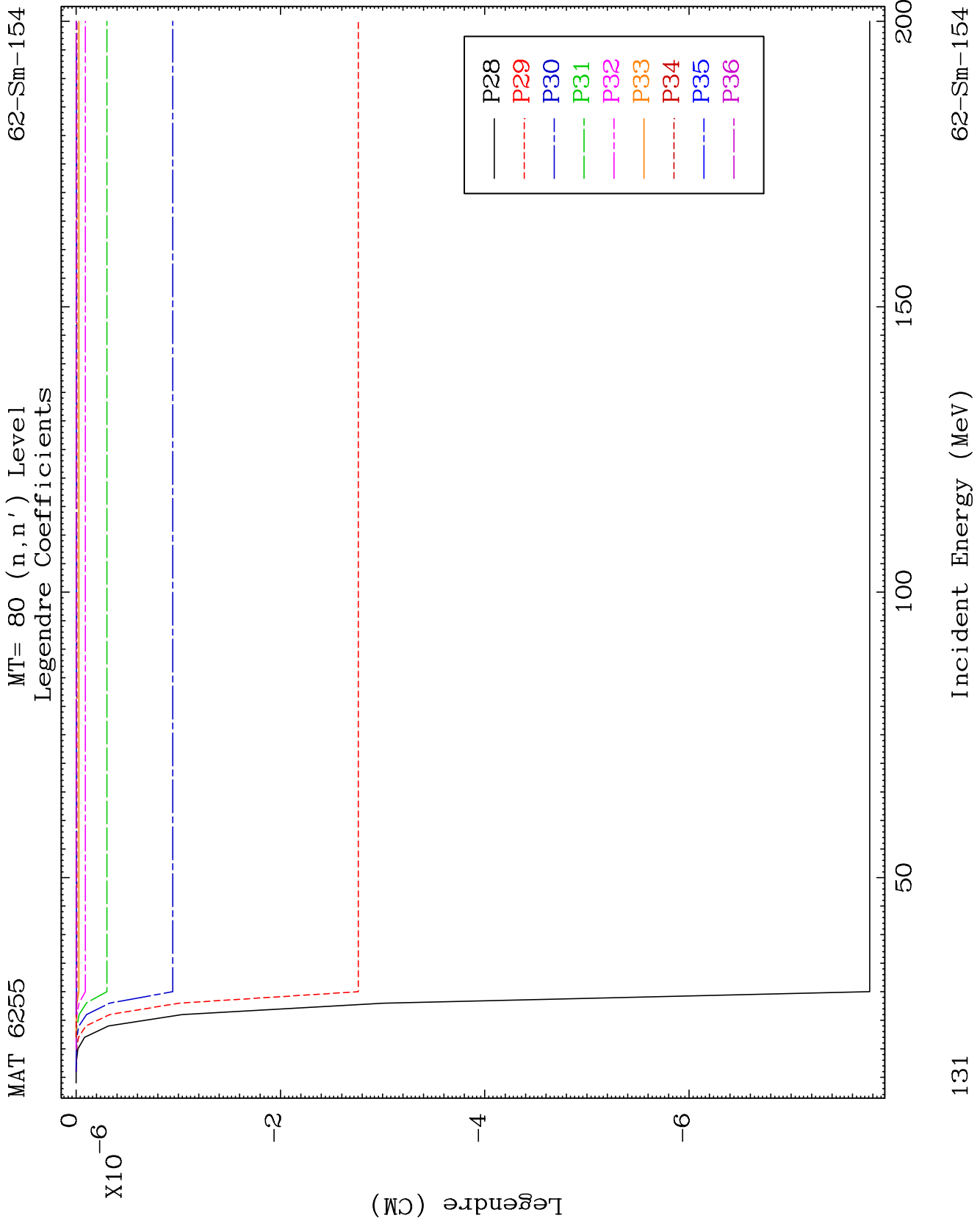


129

Incident Energy (MeV)

62-Sm-154



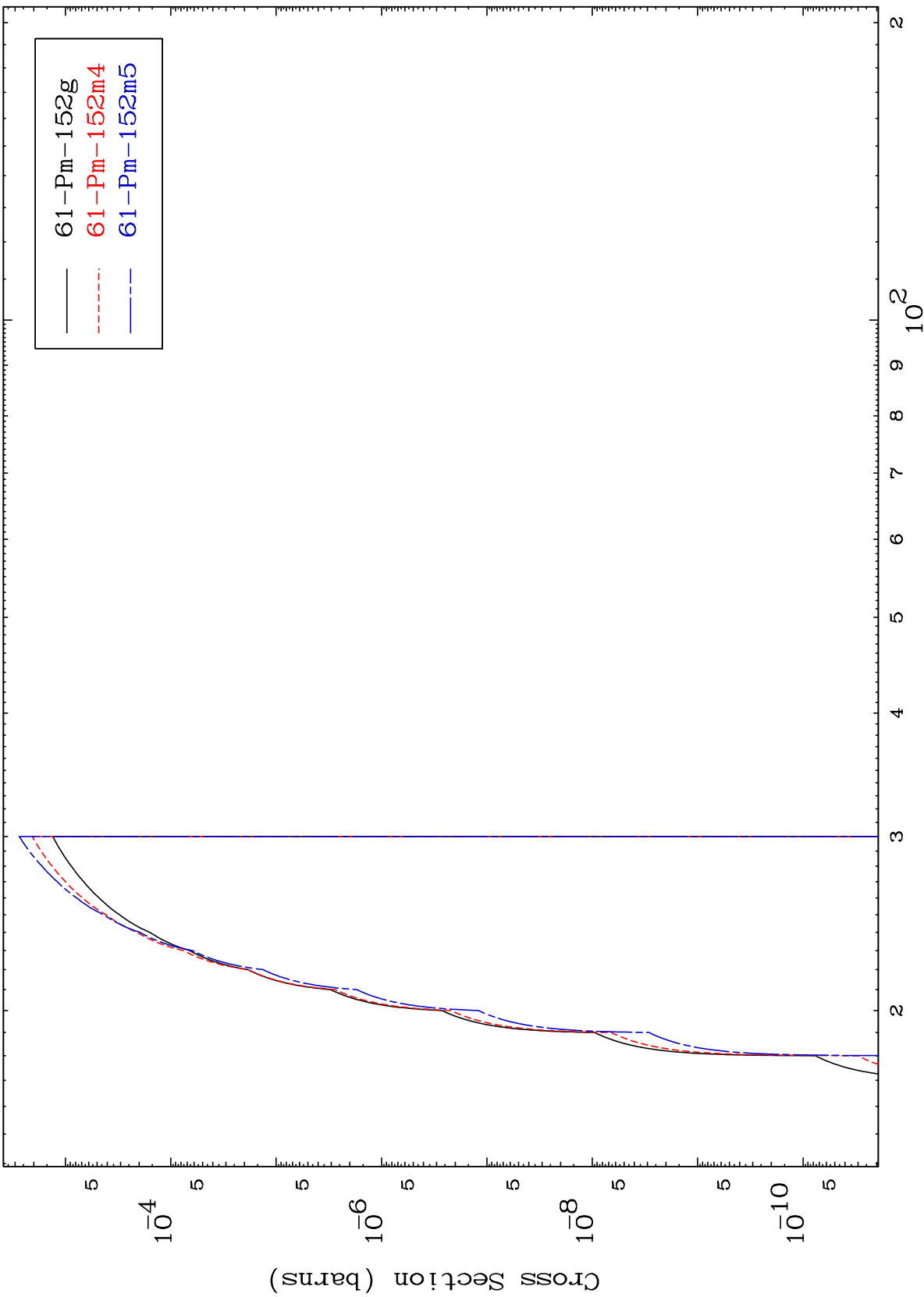


MAT 6255

(n,n') d

62-Sm-154

Radionuclide Production Cross Section



132

Incident Energy (MeV)

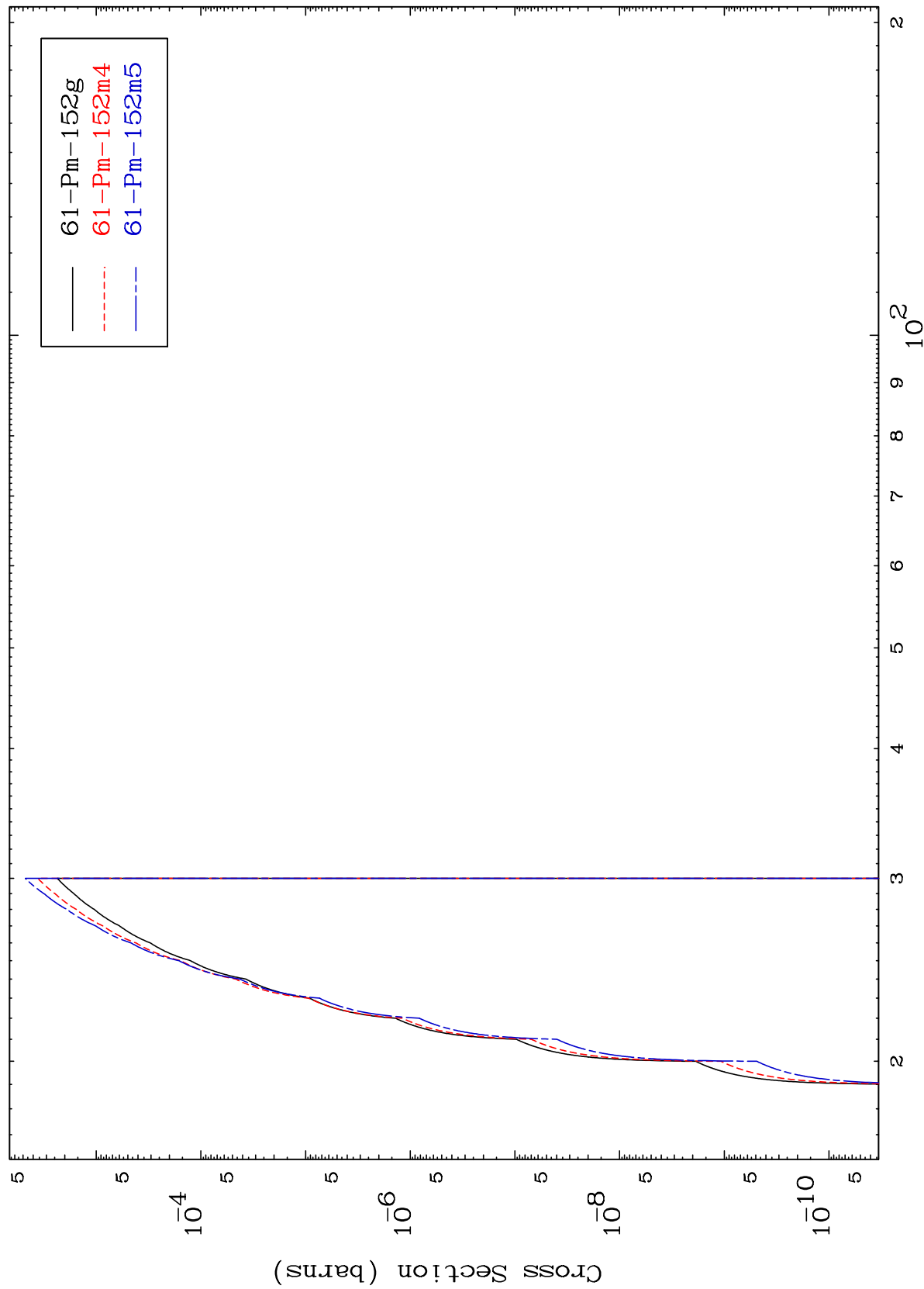
62-Sm-154

MAT 6255

(n,2n) p

62-Sm-154

Radionuclide Production Cross Section



133

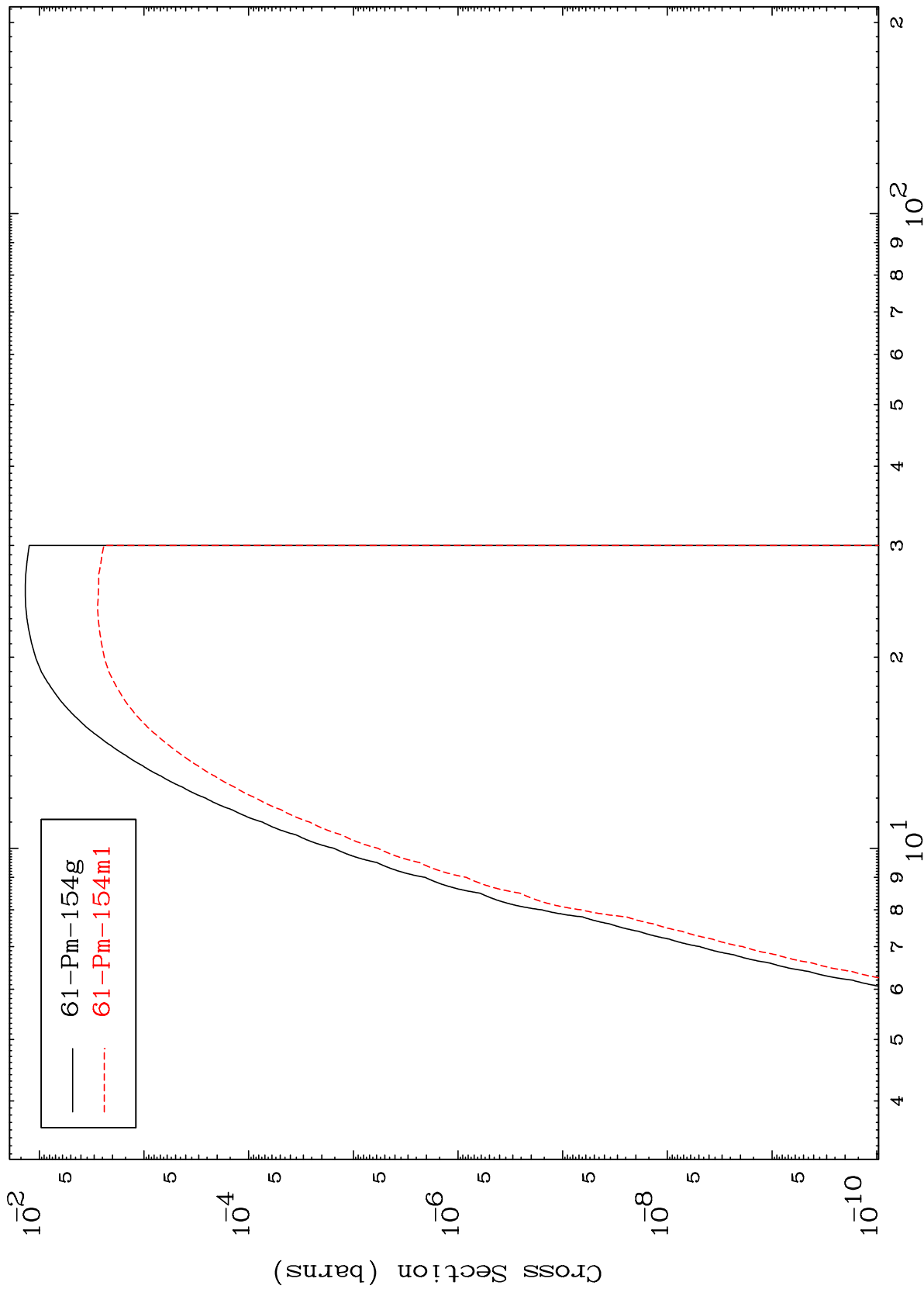
Incident Energy (MeV)

62-Sm-154

MAT 6255

62-Sm-154

(n,p)
Radionuclide Production Cross Section



61-Pm-154g
61-Pm-154m1

134

Incident Energy (MeV)

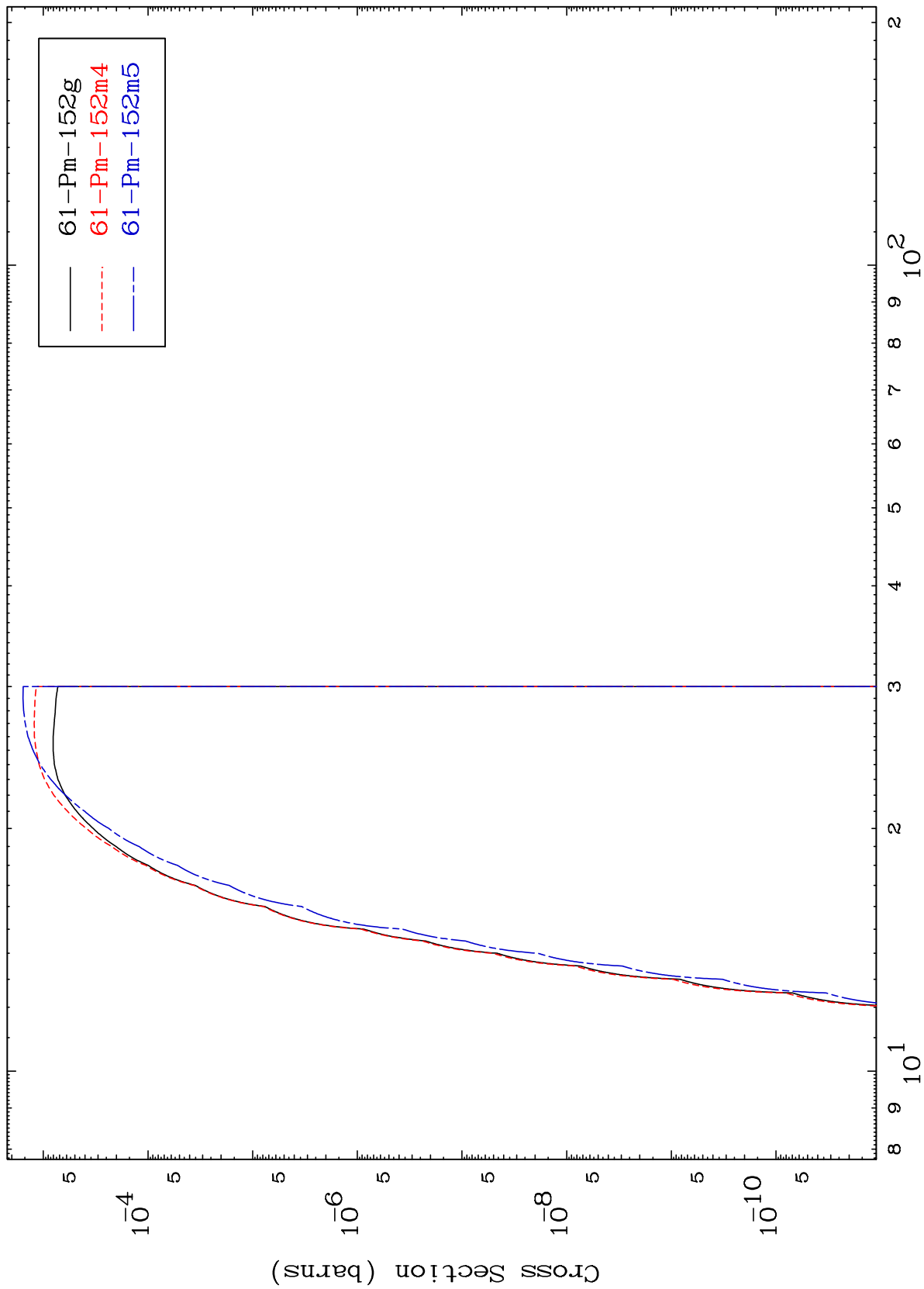
62-Sm-154

MAT 6255

(n,t)

62-Sm-154

Radionuclide Production Cross Section



135

Incident Energy (MeV)

62-Sm-154