

Program EVALPLOT
(Version 2018-1)

by

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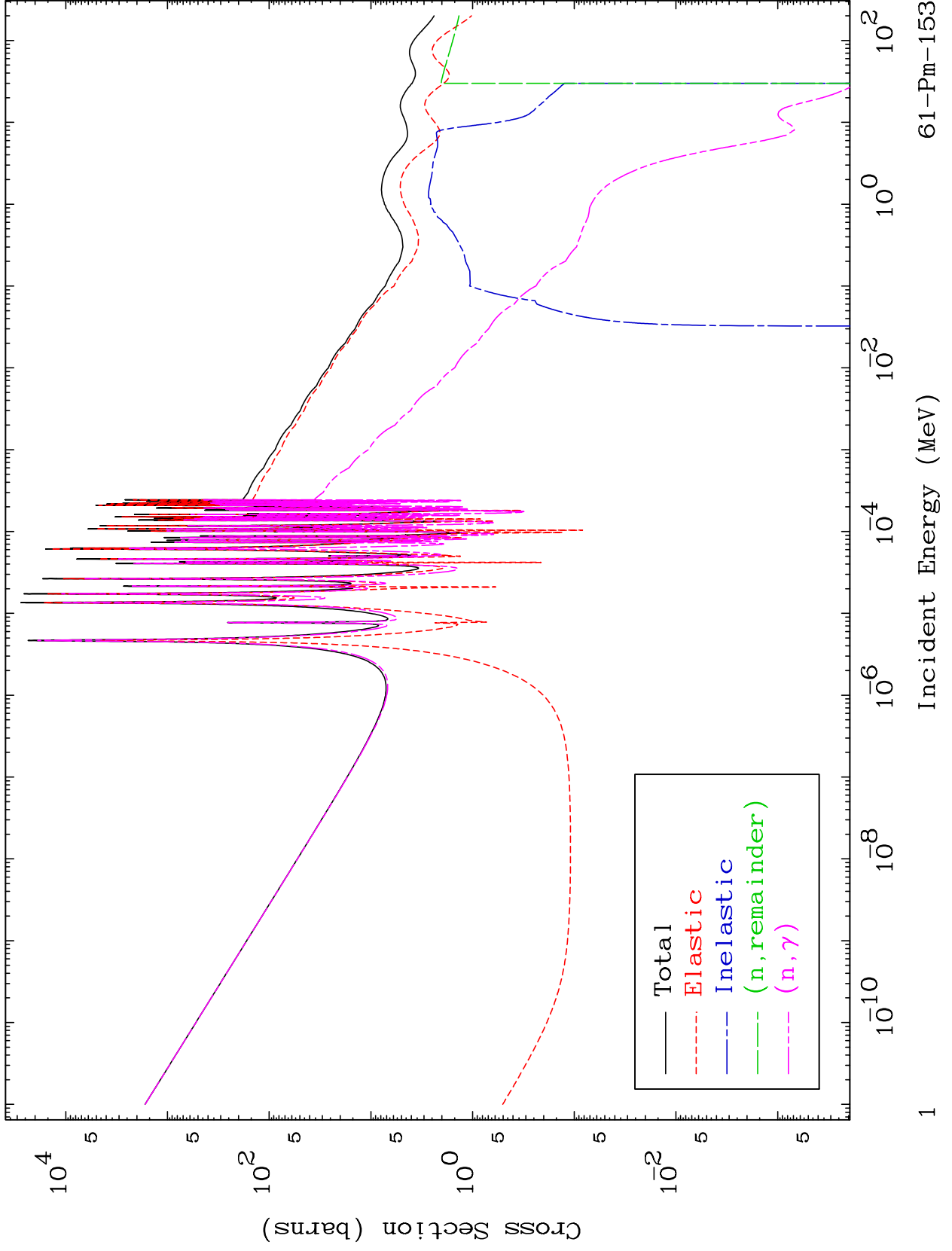
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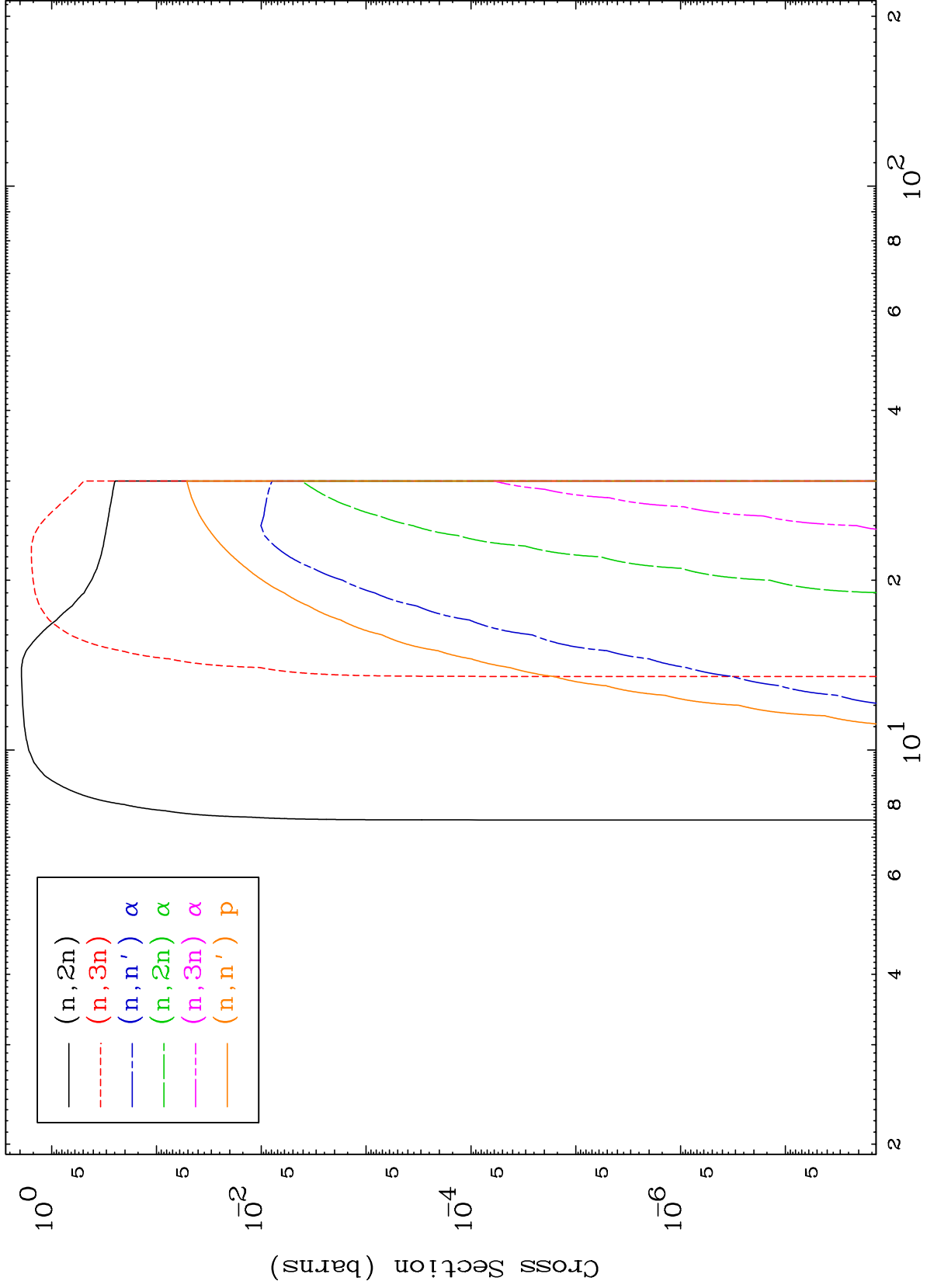
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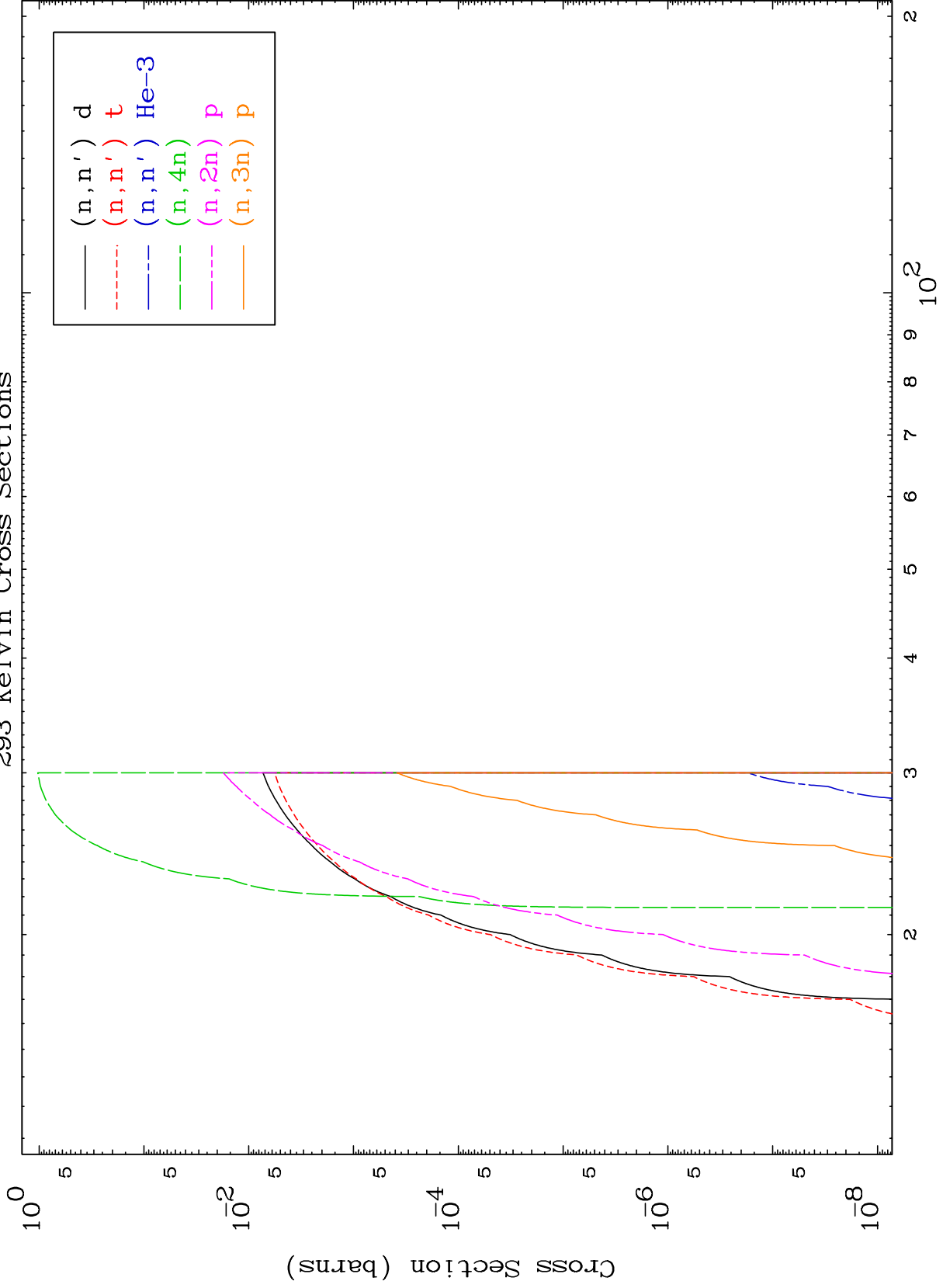
MAT 6167

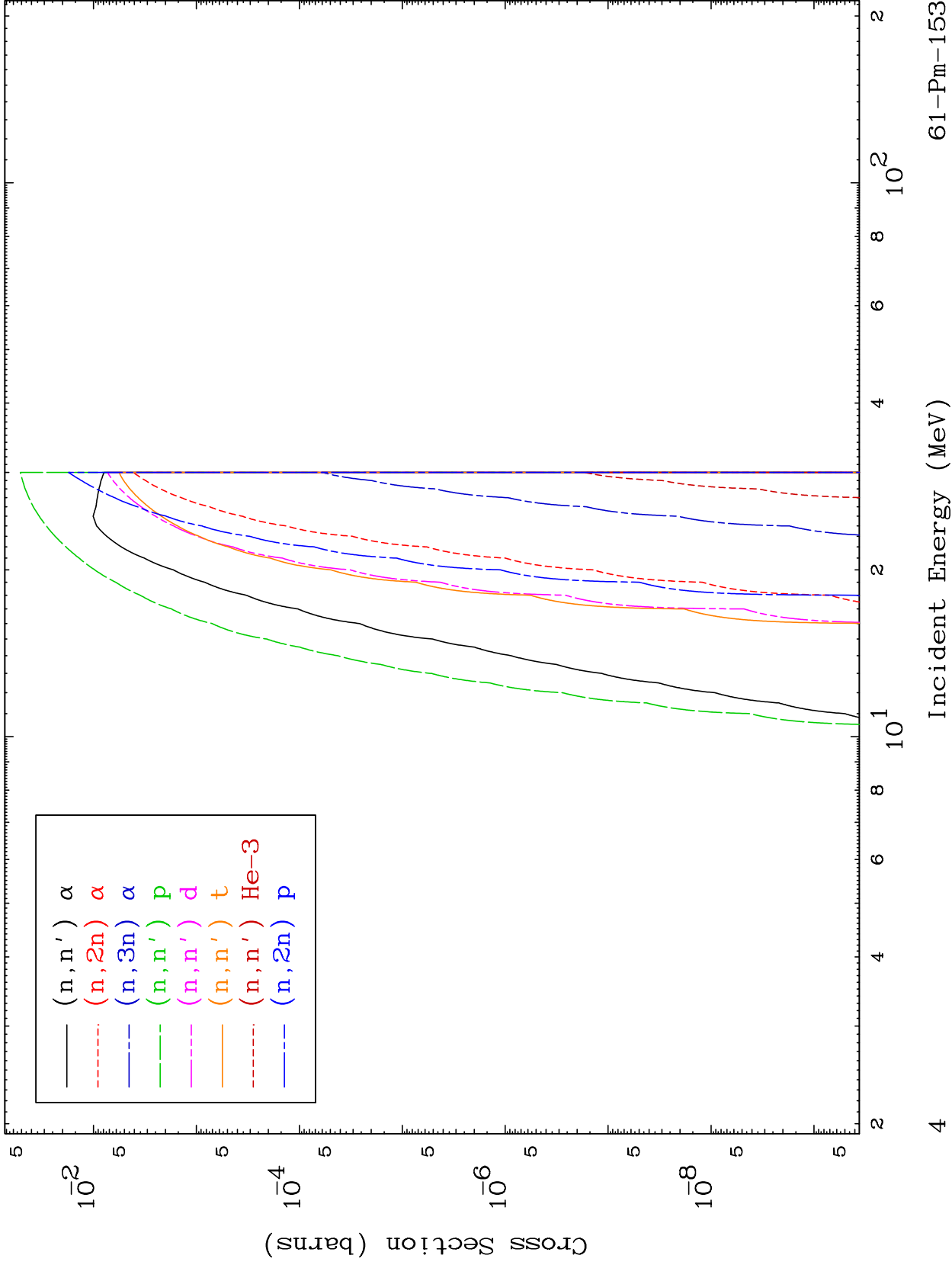
Major
293 Kelvin Cross Sections

61-Pm-153





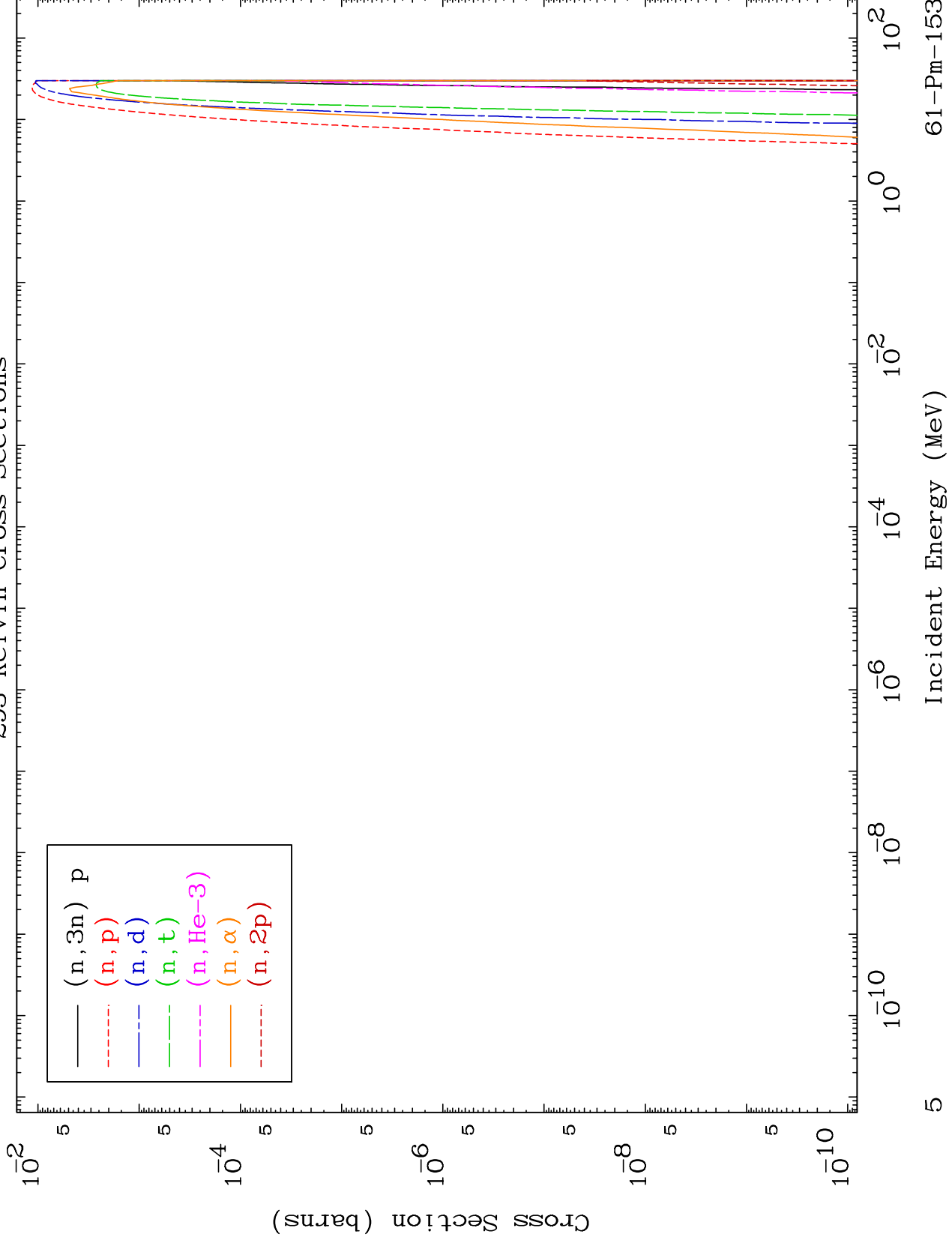




MAT 6167

Charged Particle
293 Kelvin Cross Sections

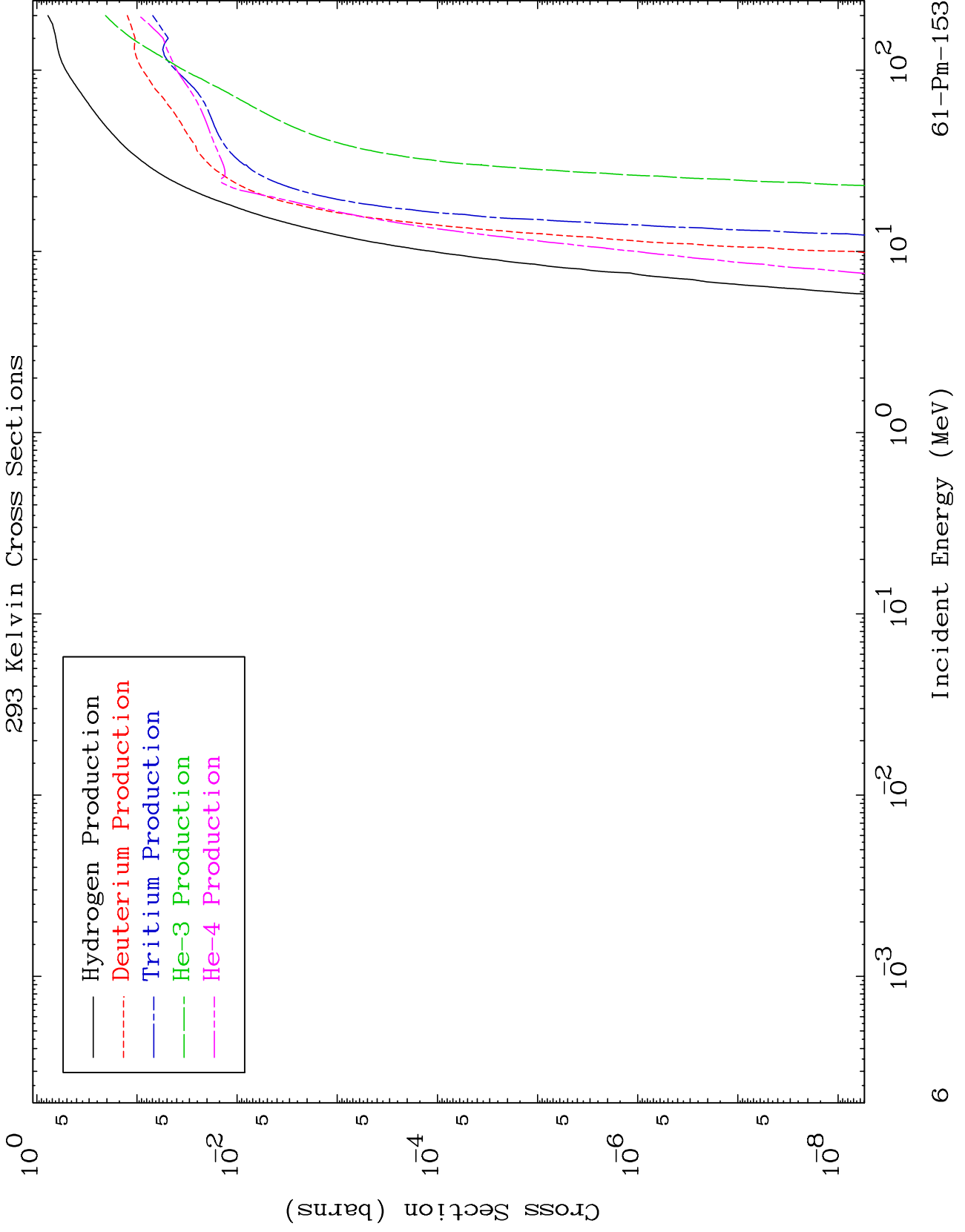
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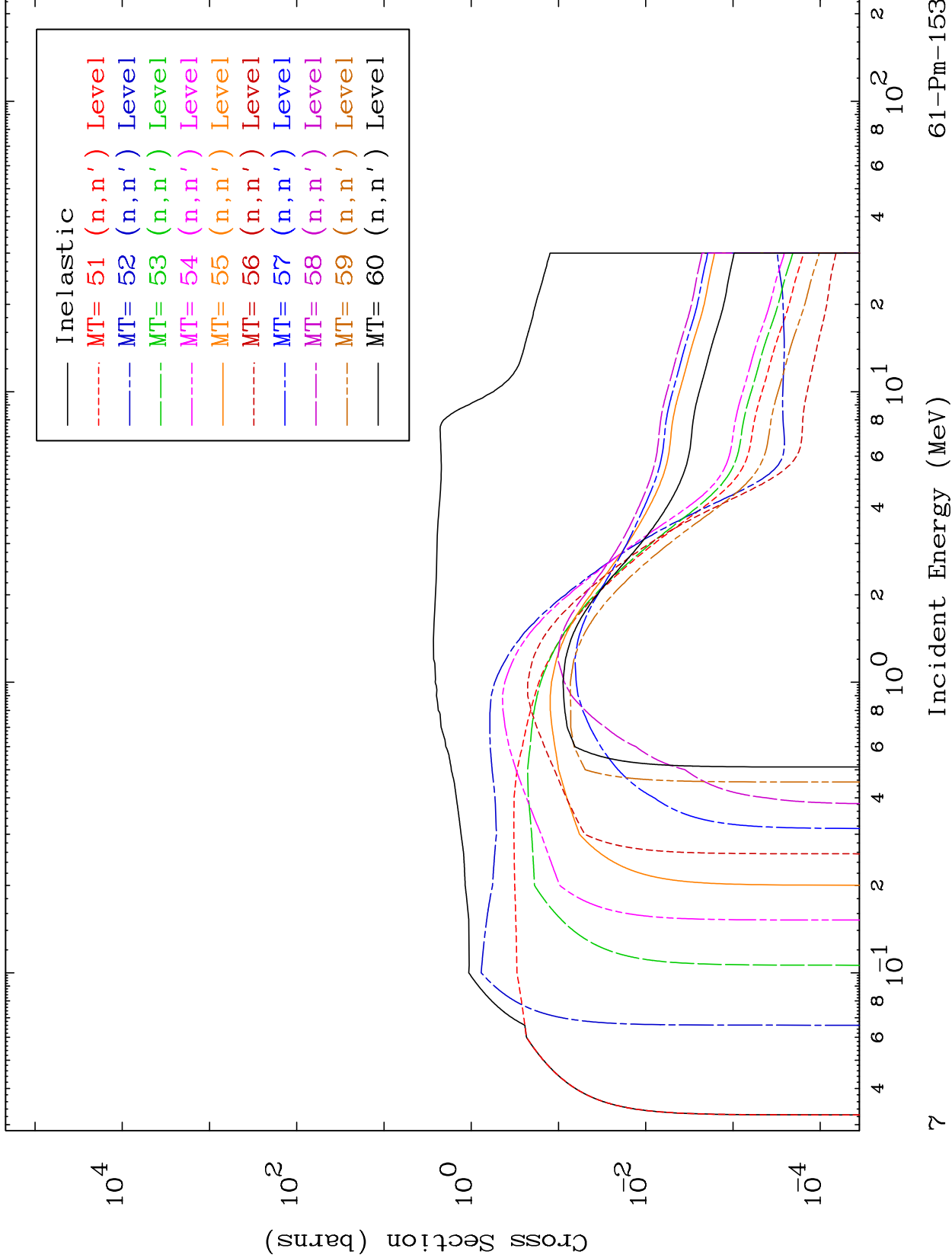
MAT 6167

Particle Production
293 Kelvin Cross Sections

61-Pm-153



293 Kelvin Cross Sections

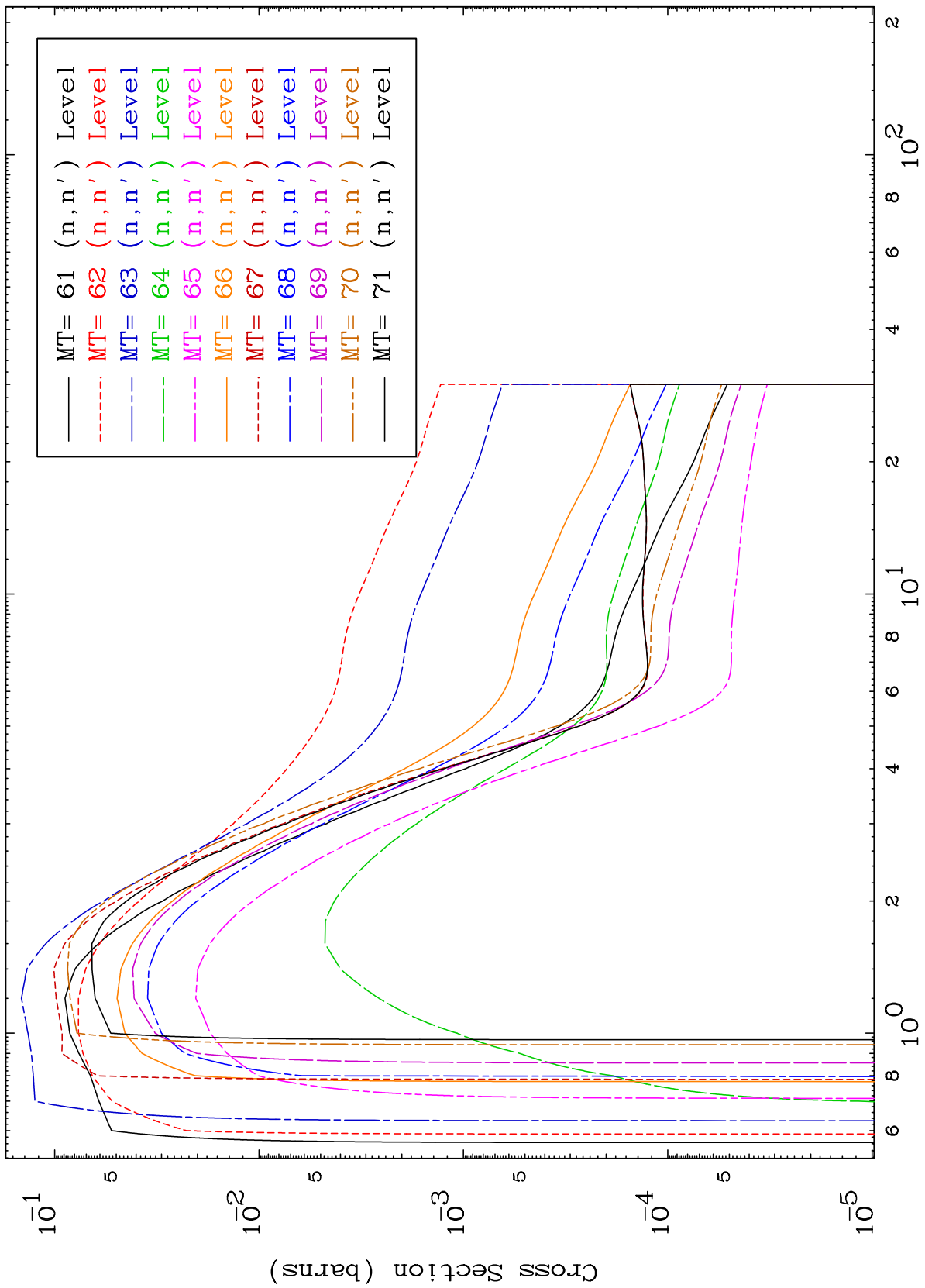


MAT 6167

(n,n') Level

61-Pm-153

293 Kelvin Cross Sections

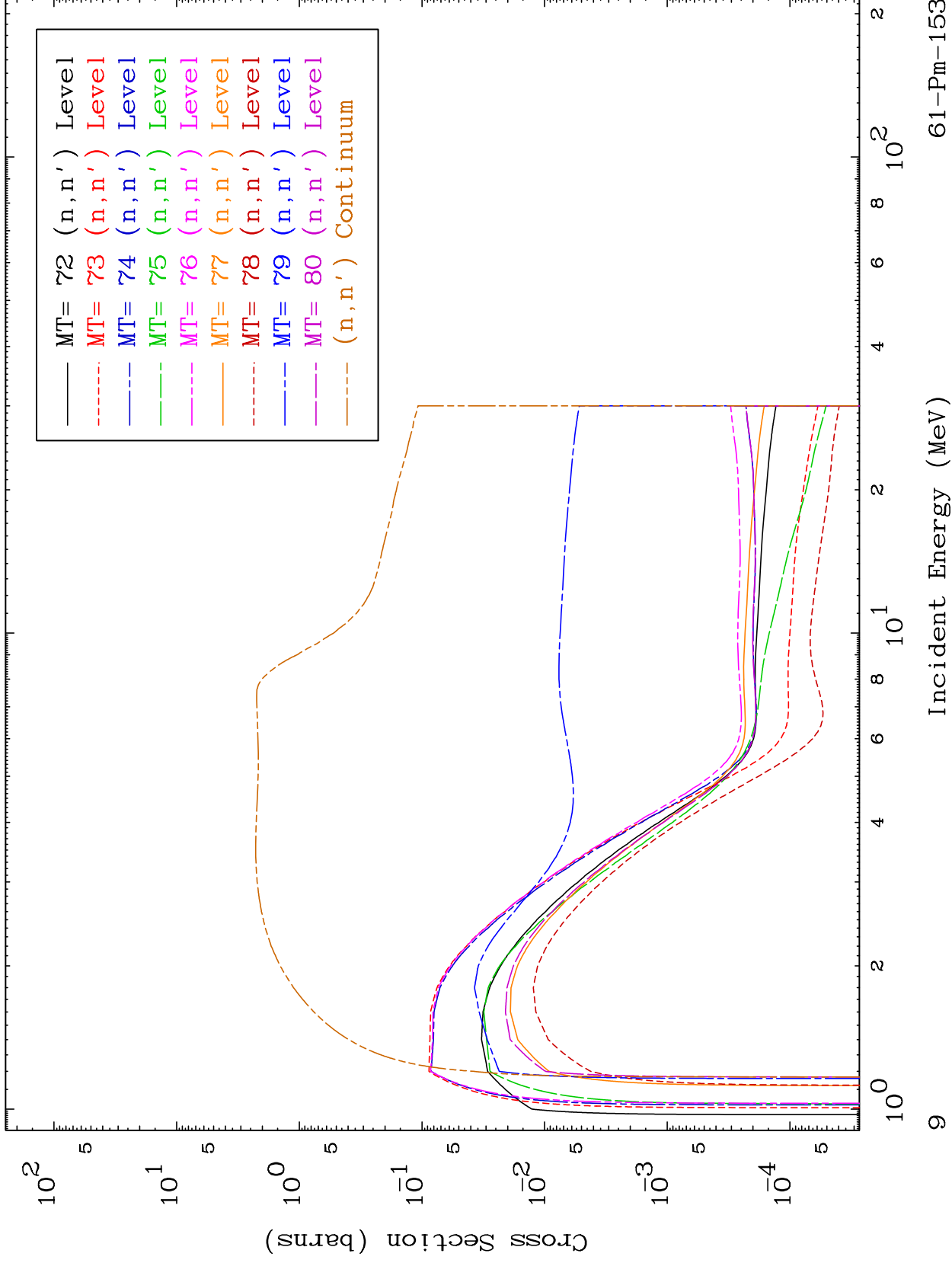


8

Incident Energy (MeV)

61-Pm-153

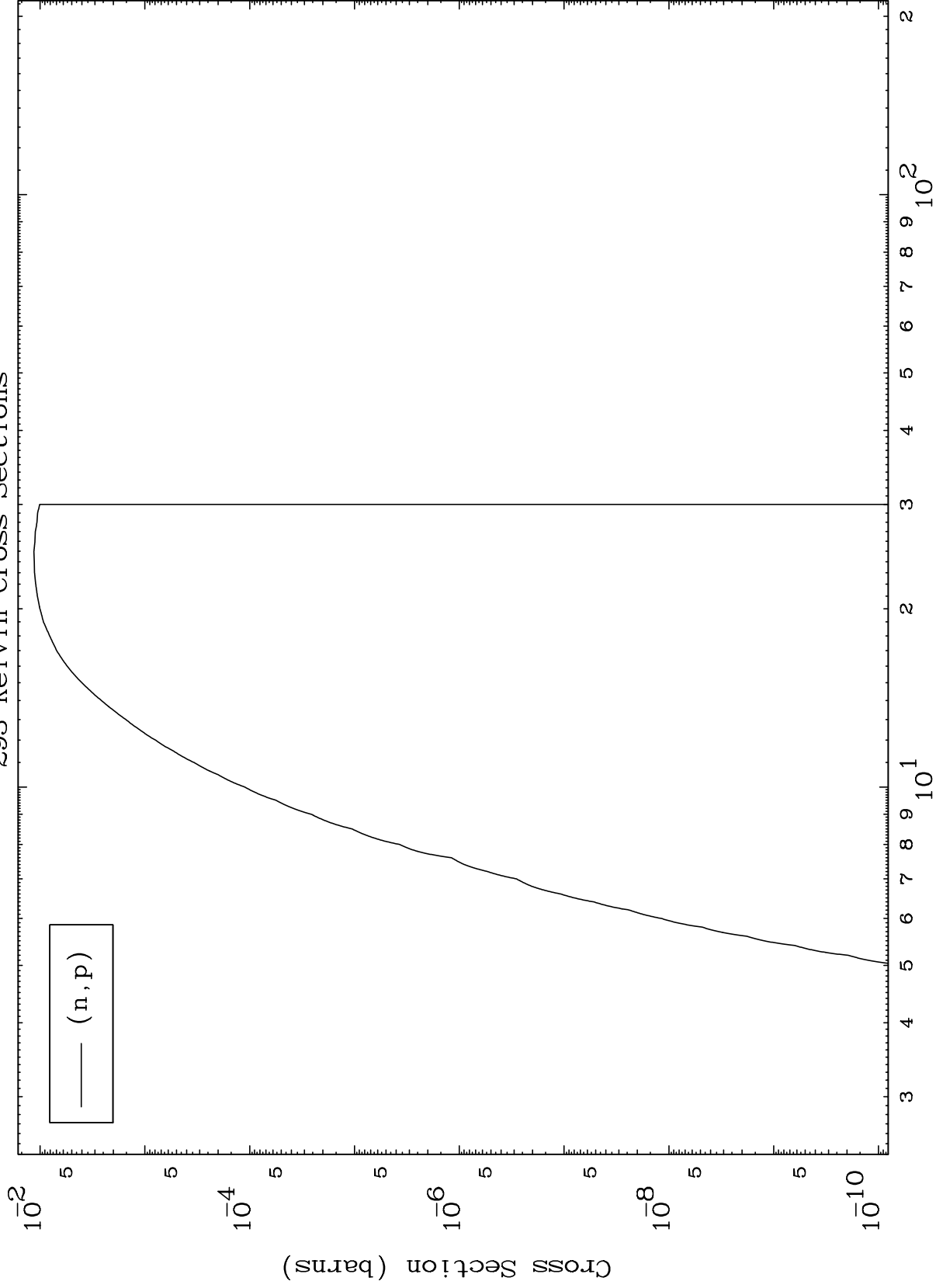
293 Kelvin Cross Sections



MAT 6167

(n,p) Levels
293 Kelvin Cross Sections

61-Pm-153



10

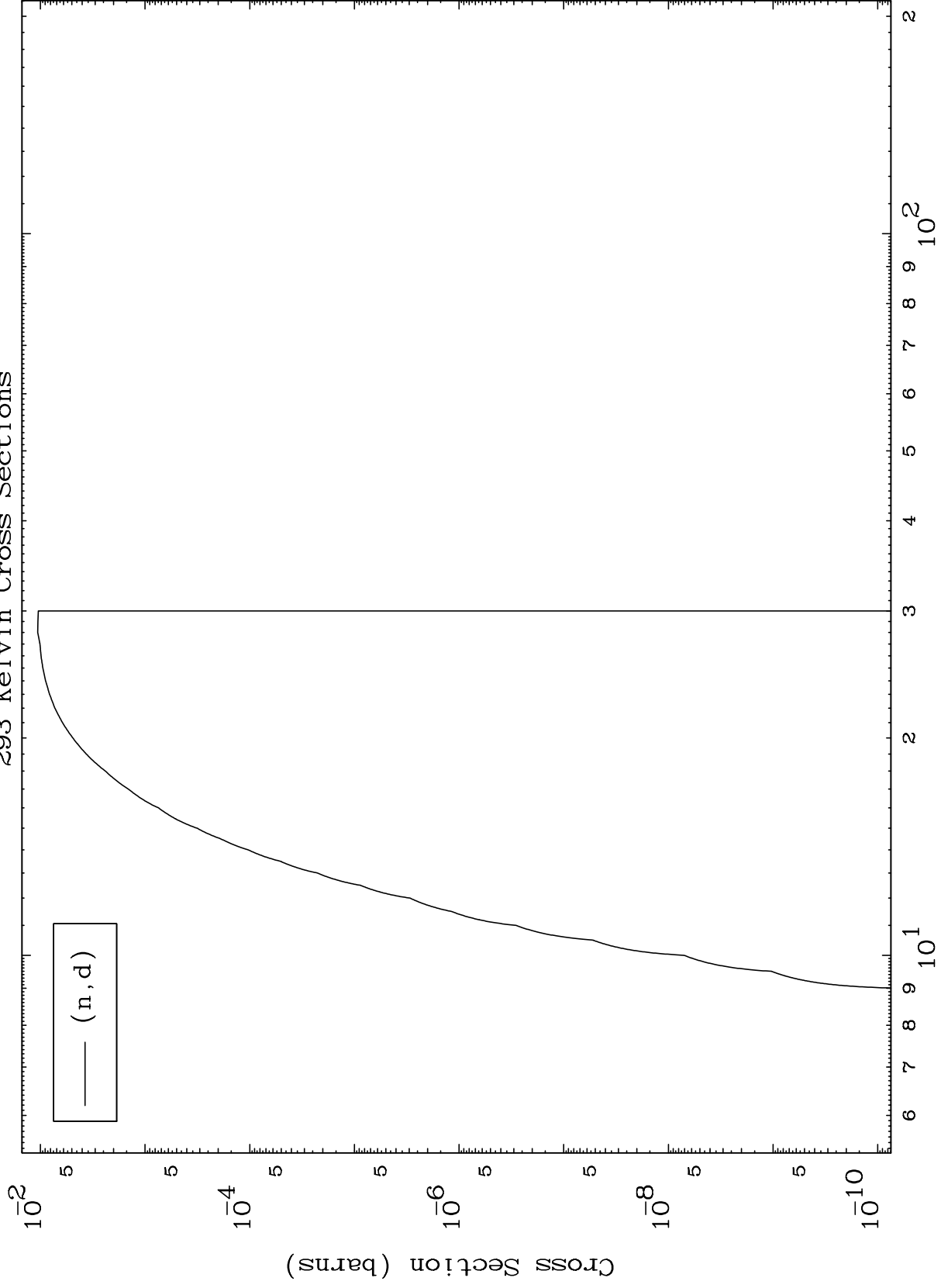
Incident Energy (MeV)

61-Pm-153

MAT 6167

(n,d) Levels
293 Kelvin Cross Sections

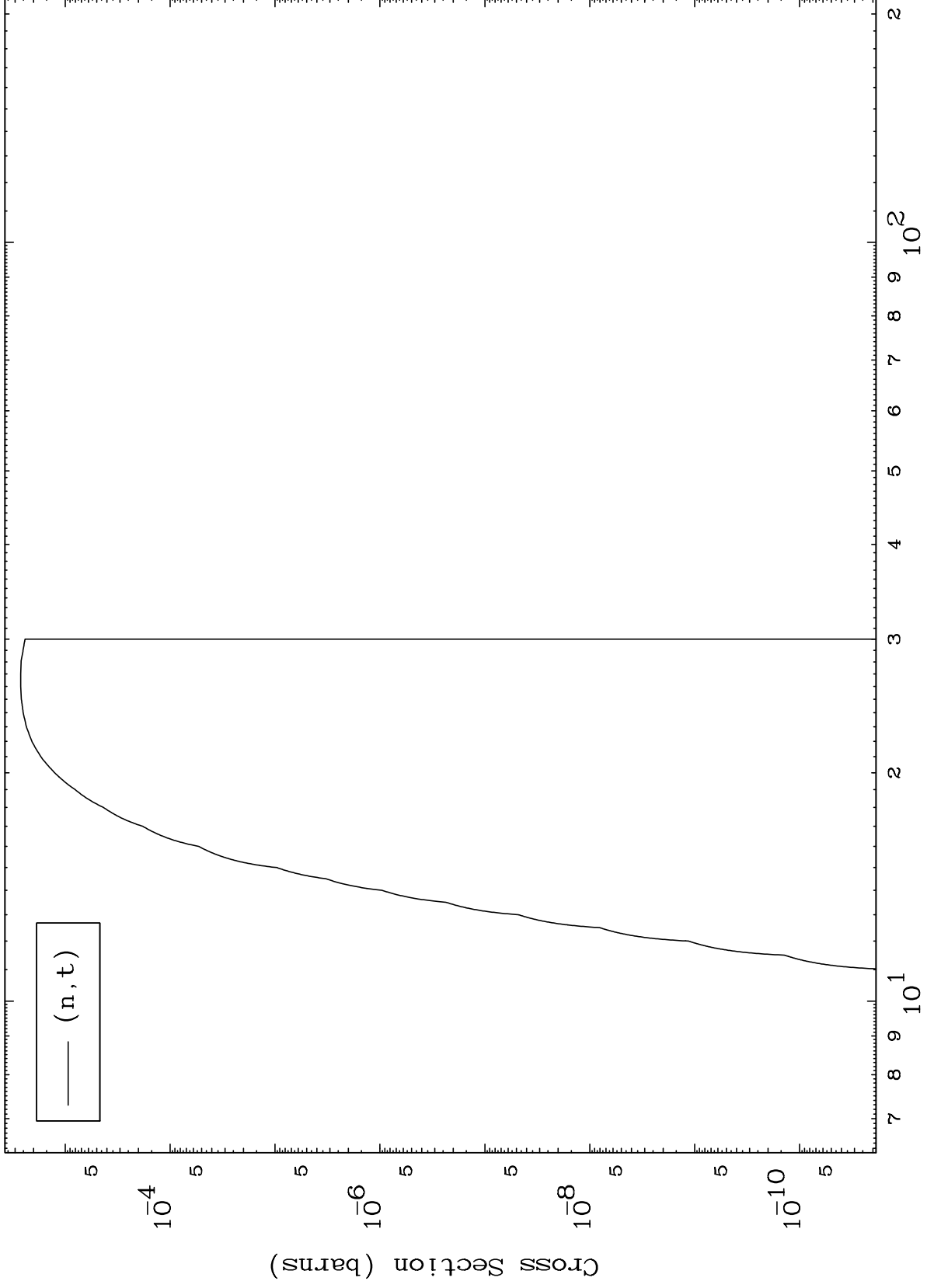
61-Pm-153



MAT 6167

(n,t) Levels
293 Kelvin Cross Sections

61-Pm-153



12

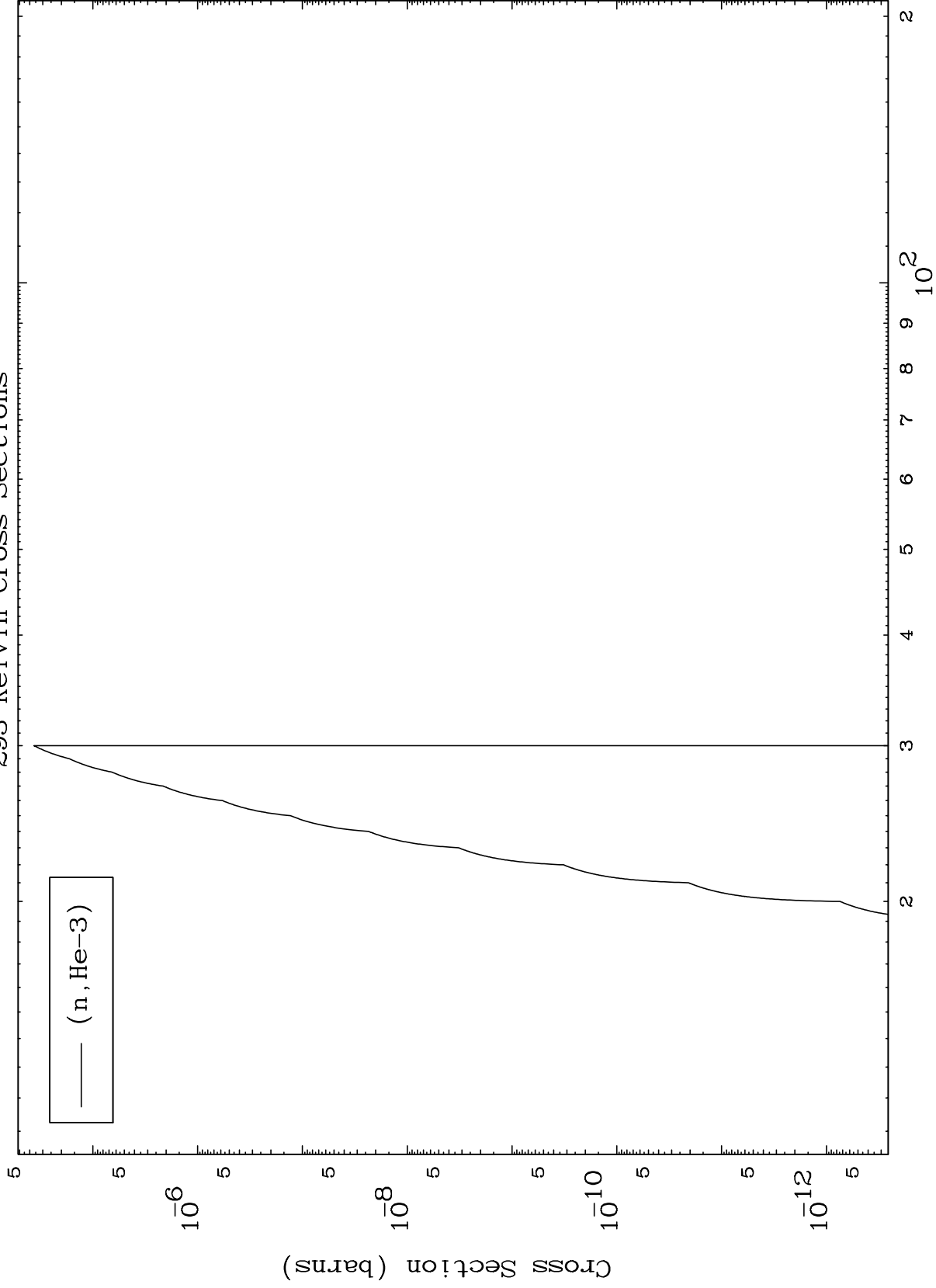
Incident Energy (MeV)

61-Pm-153

MAT 6167

(n,He3) Levels
293 Kelvin Cross Sections

61-Pm-153



13

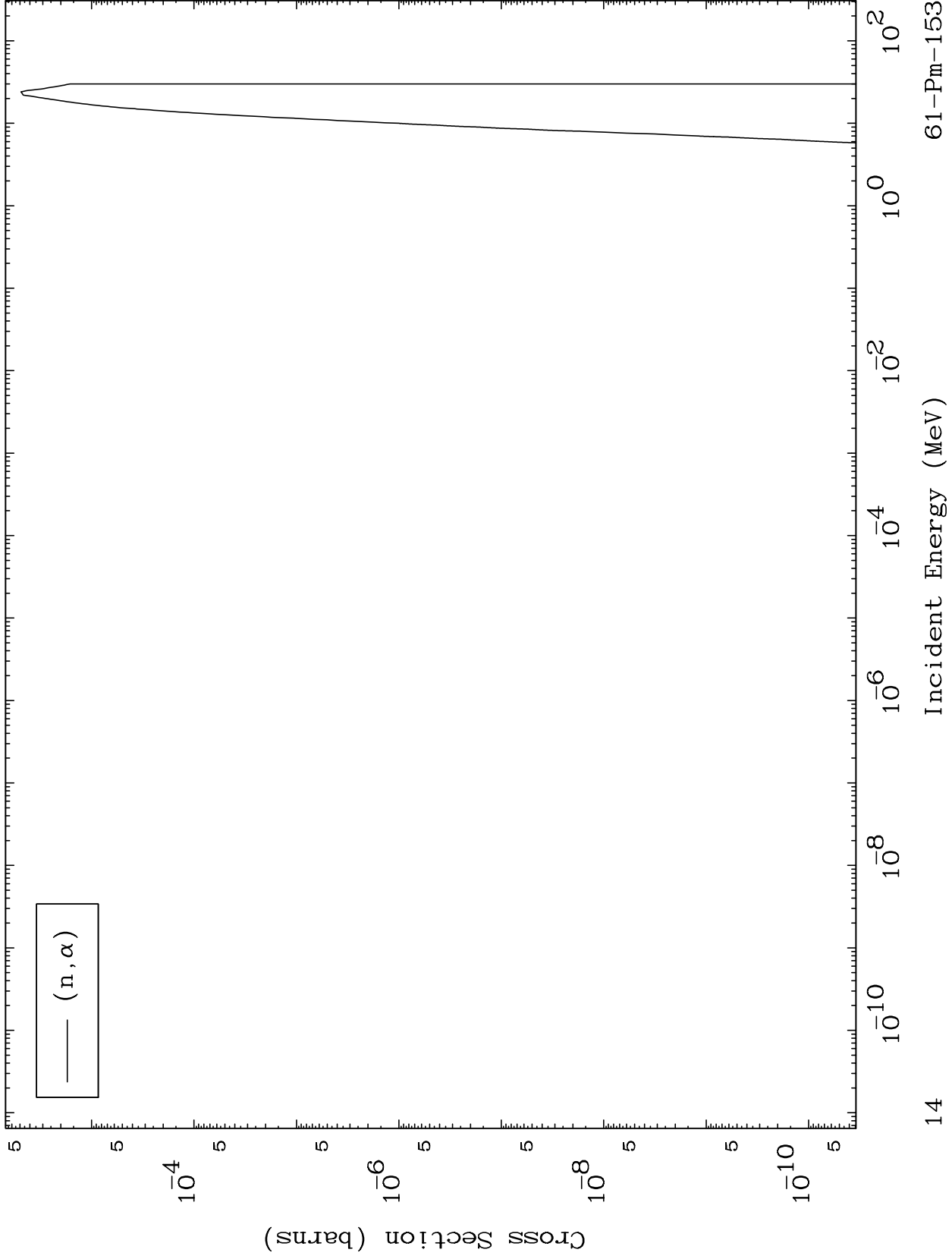
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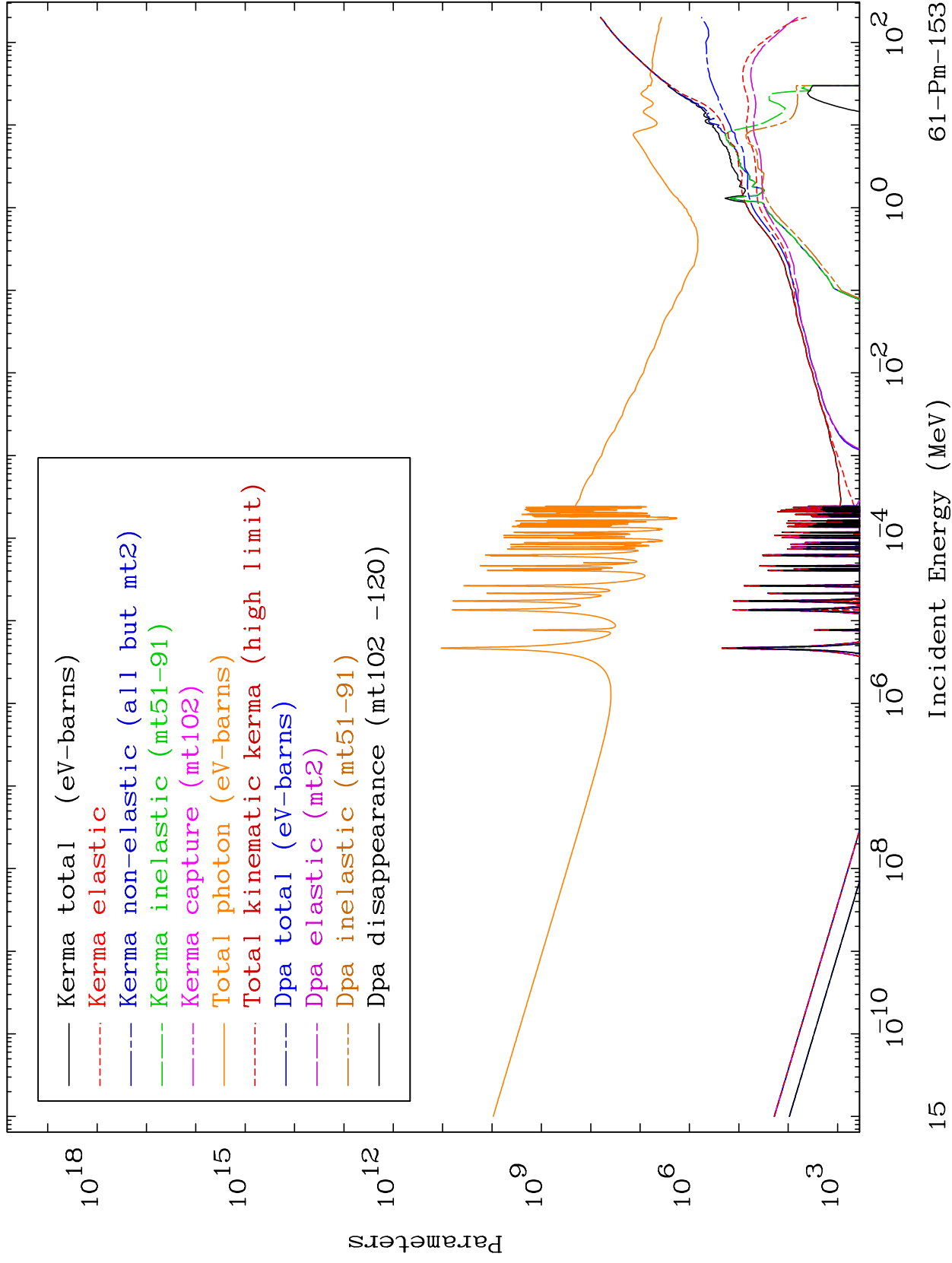
61-Pm-153

MAT 6167

(n, α) Levels
293 Kelvin Cross Sections

61-Pm-153

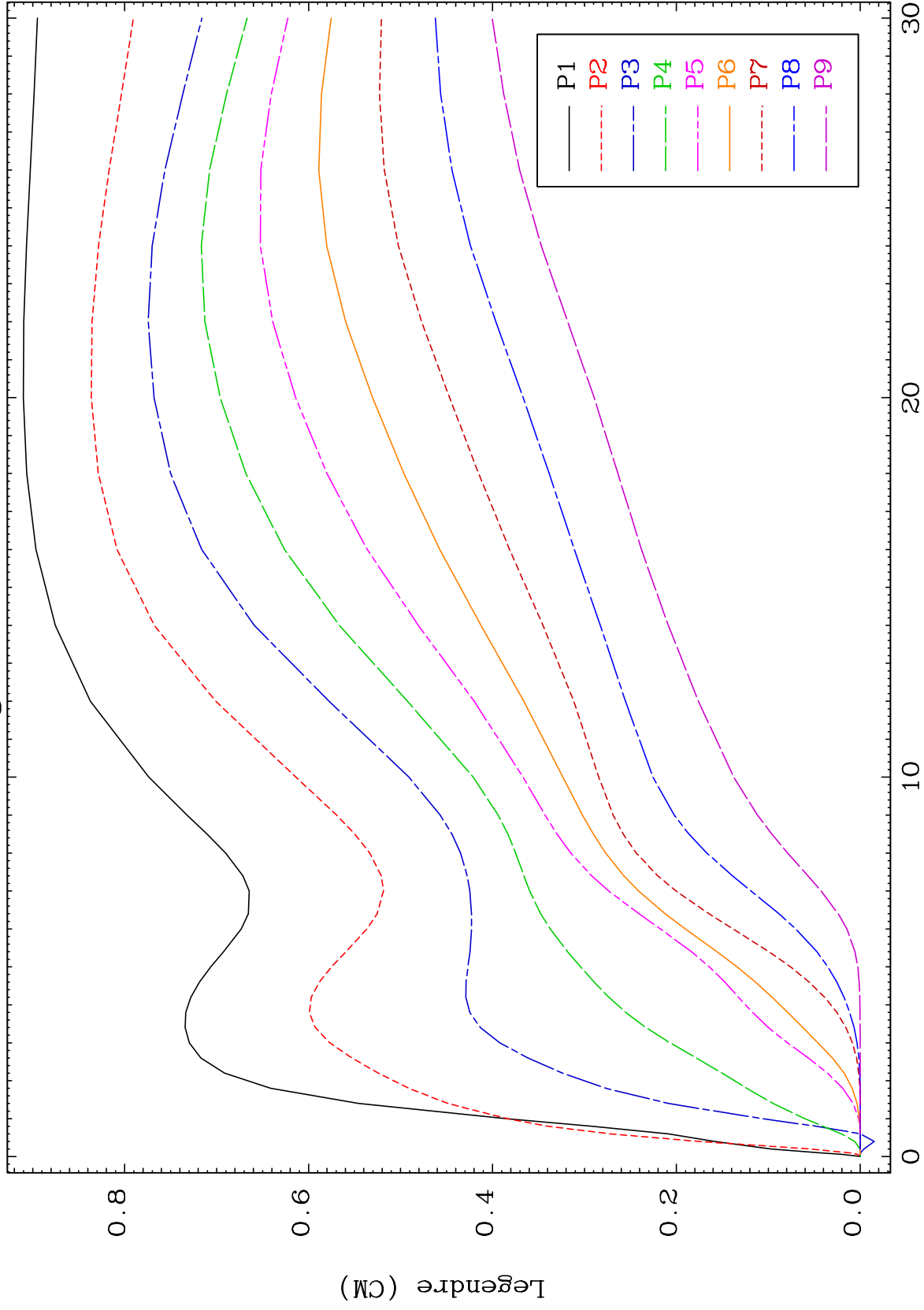




MAT 6167

Elastic Legendre Coefficients

61-Pm-153



16

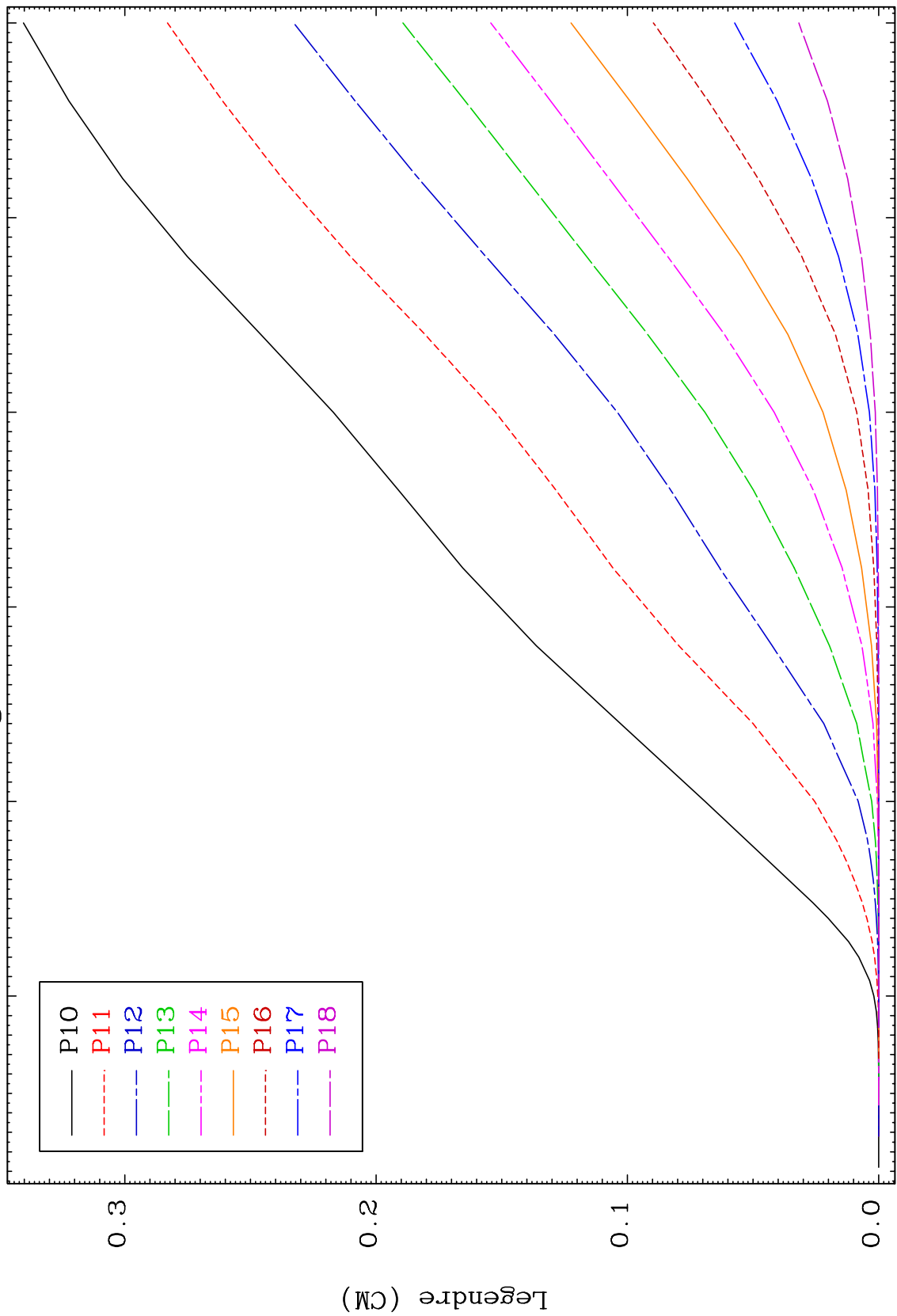
Incident Energy (MeV)

61-Pm-153

MAT 6167

Elastic Legendre Coefficients

61-Pm-153



17

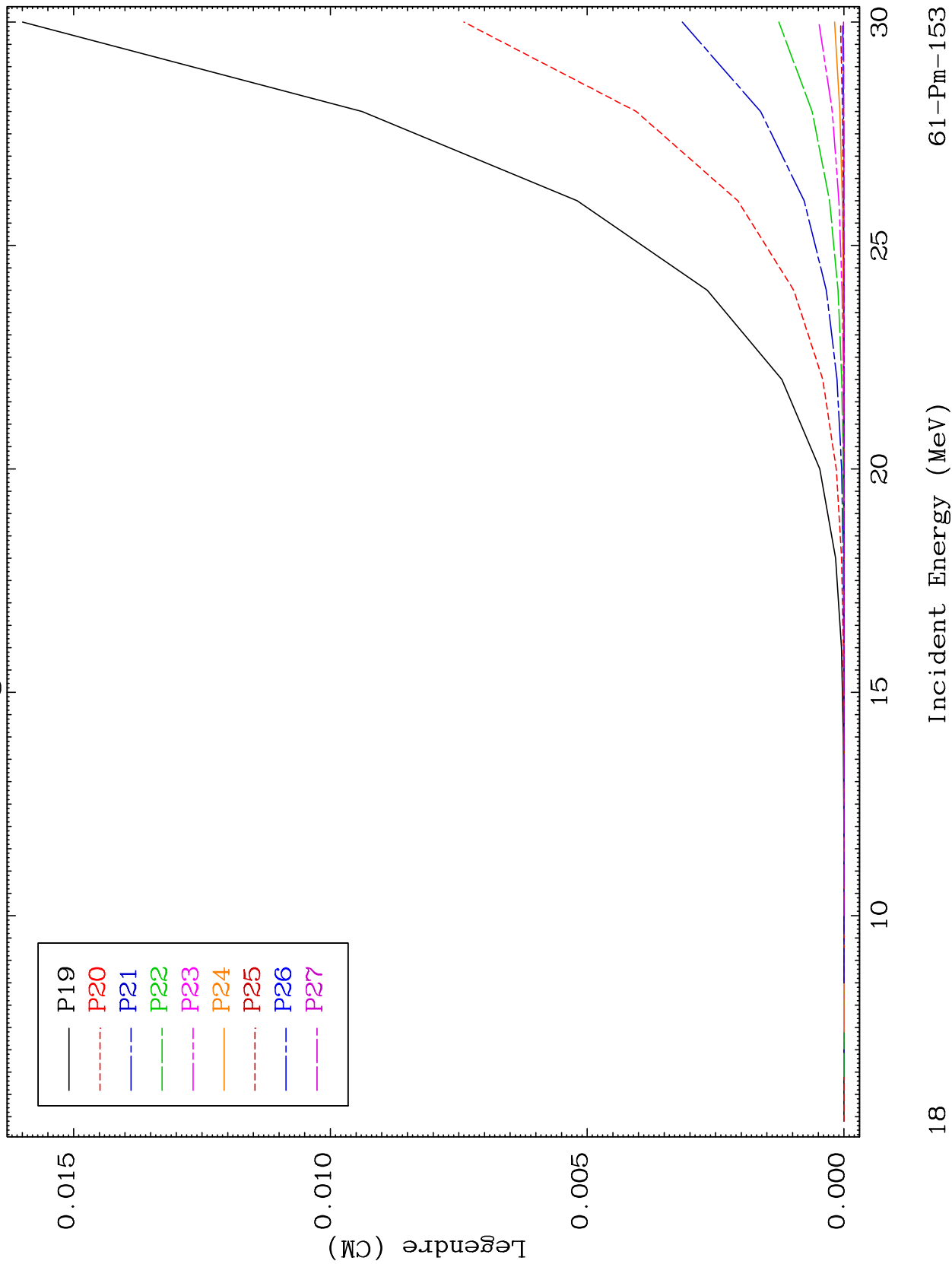
61-Pm-153

Incident Energy (MeV)

MAT 6167

Elastic Legendre Coefficients

61-Pm-153



18

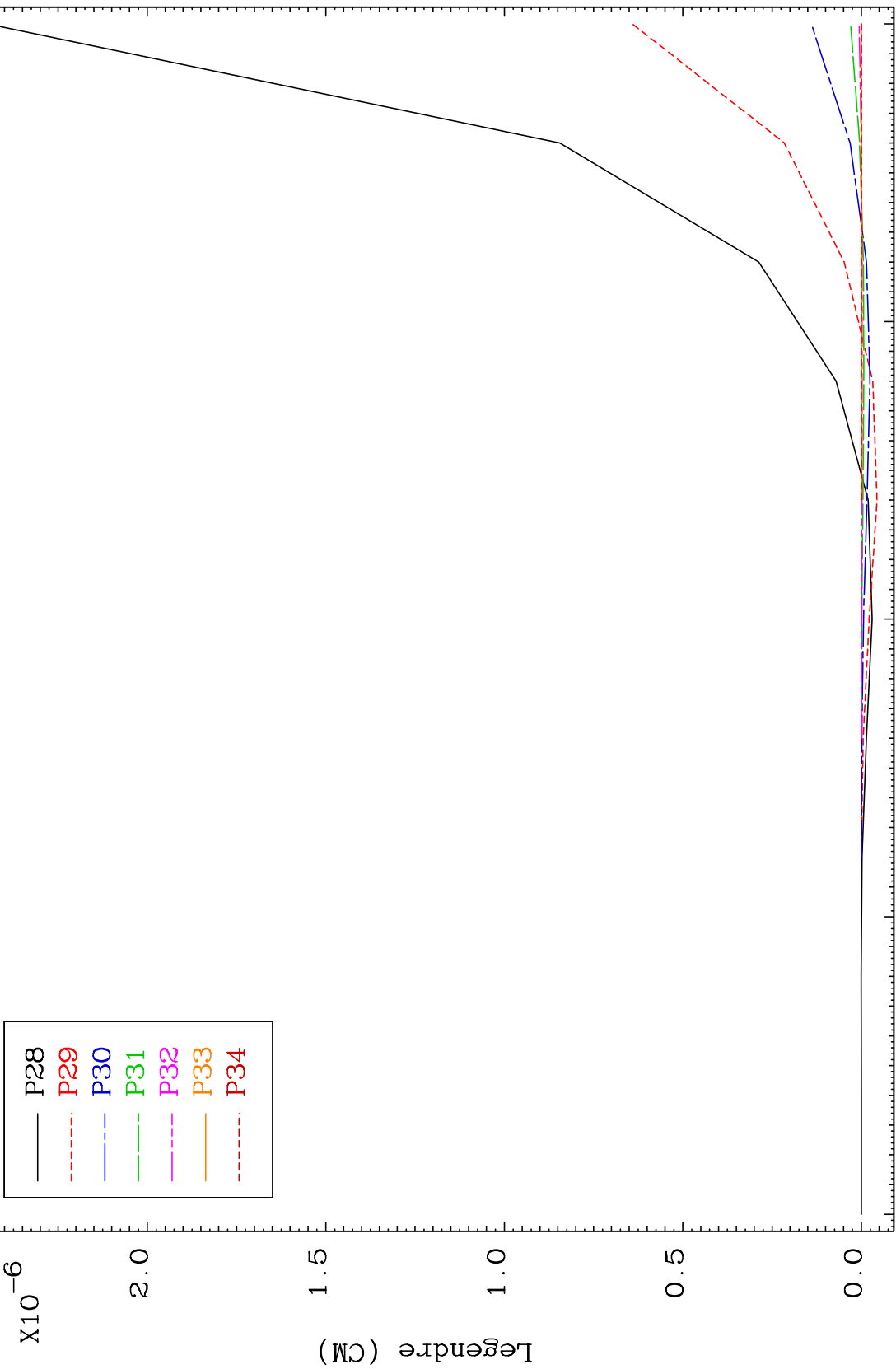
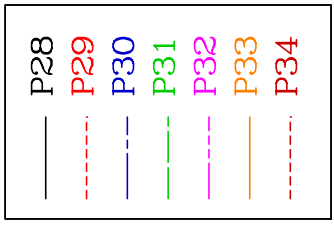
Incident Energy (MeV)

61-Pm-153

MAT 6167

Elastic Legendre Coefficients

61-Pm-153



19

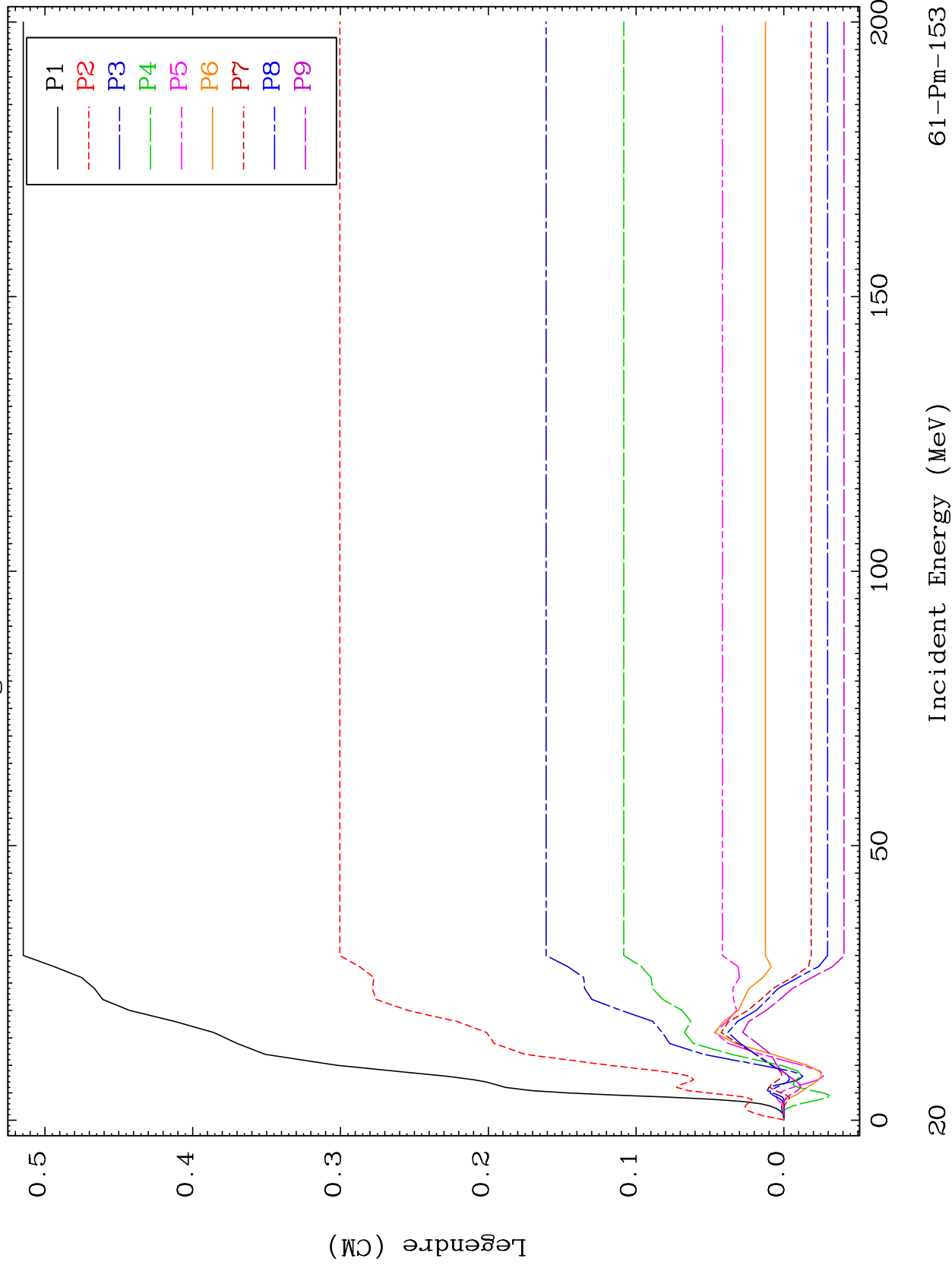
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

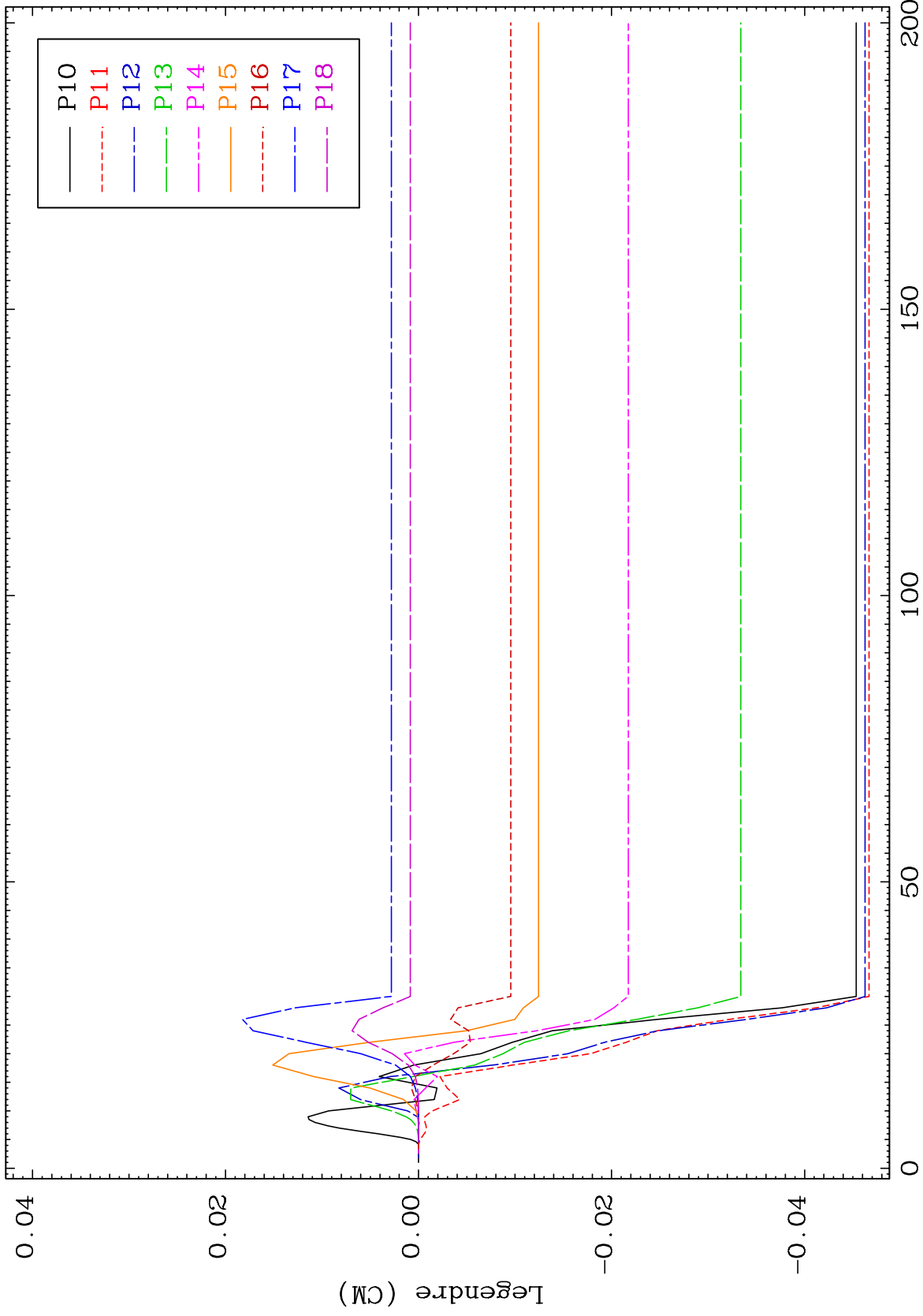
61-Pm-153



MAT 6167

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

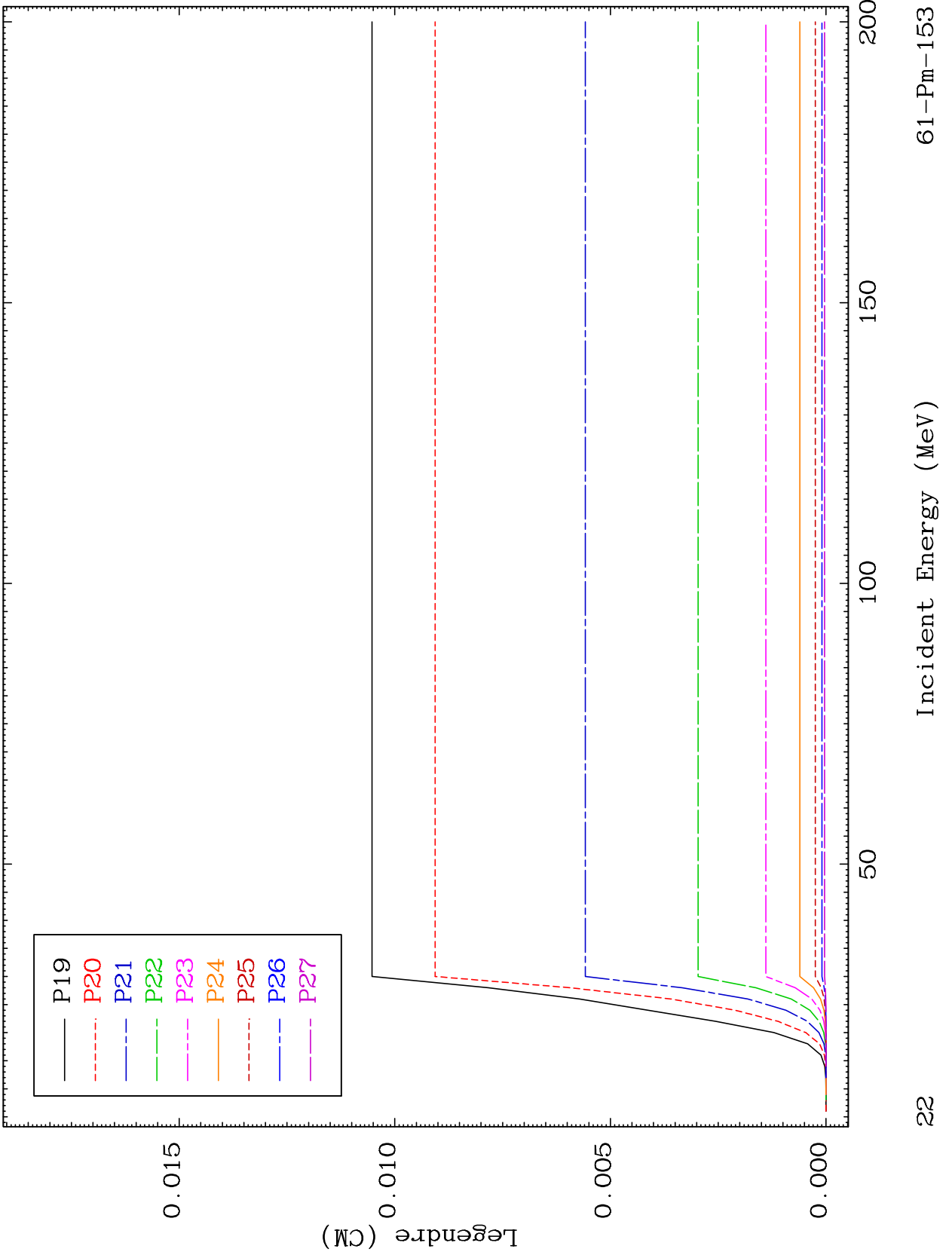
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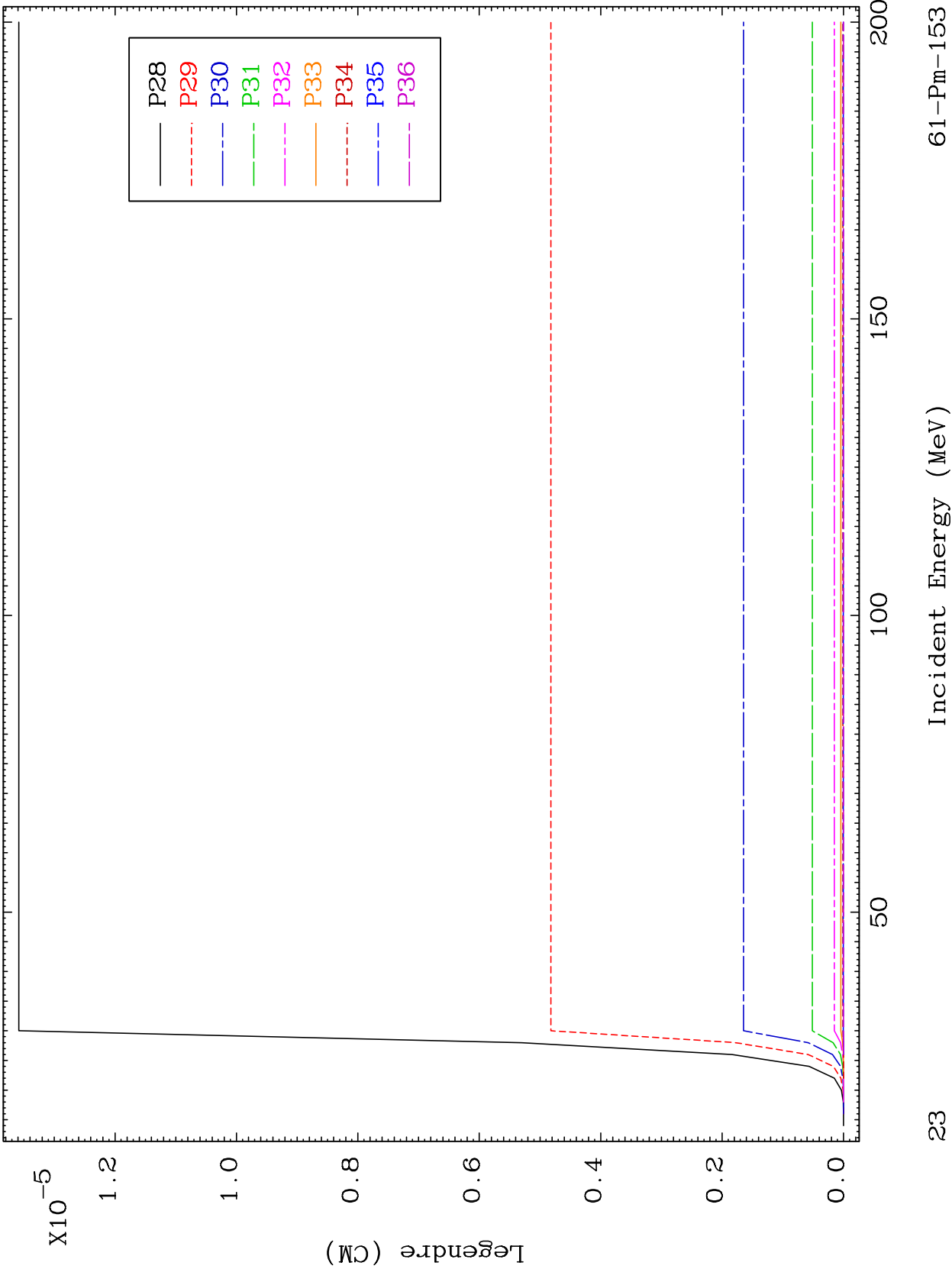


21

Incident Energy (MeV)

61-Pm-153

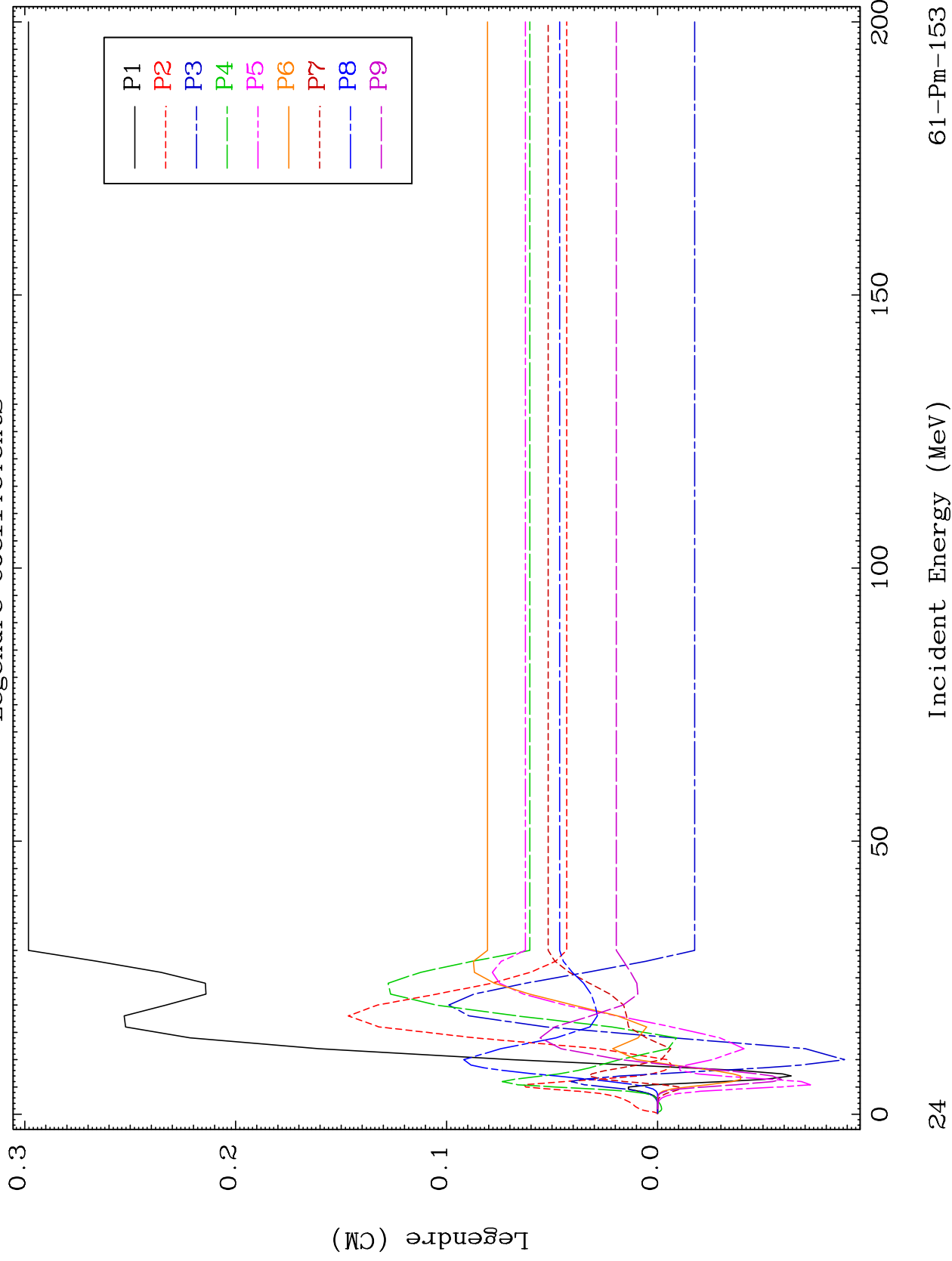




MAT 61677

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

61-Pm-153



61-Pm-153

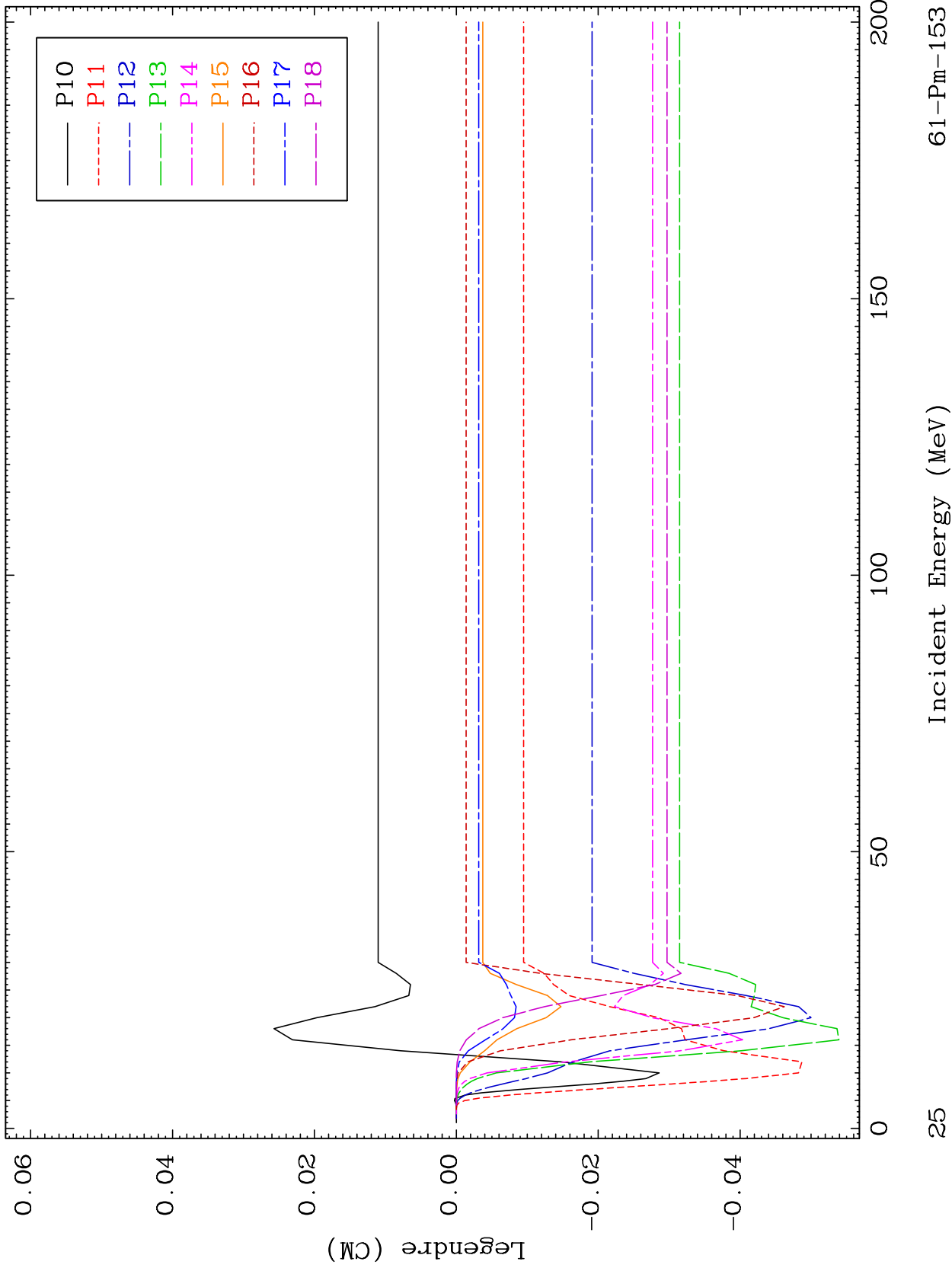
Incident Energy (MeV)

24

MAT 6167

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

61-Pm-153



61-Pm-153

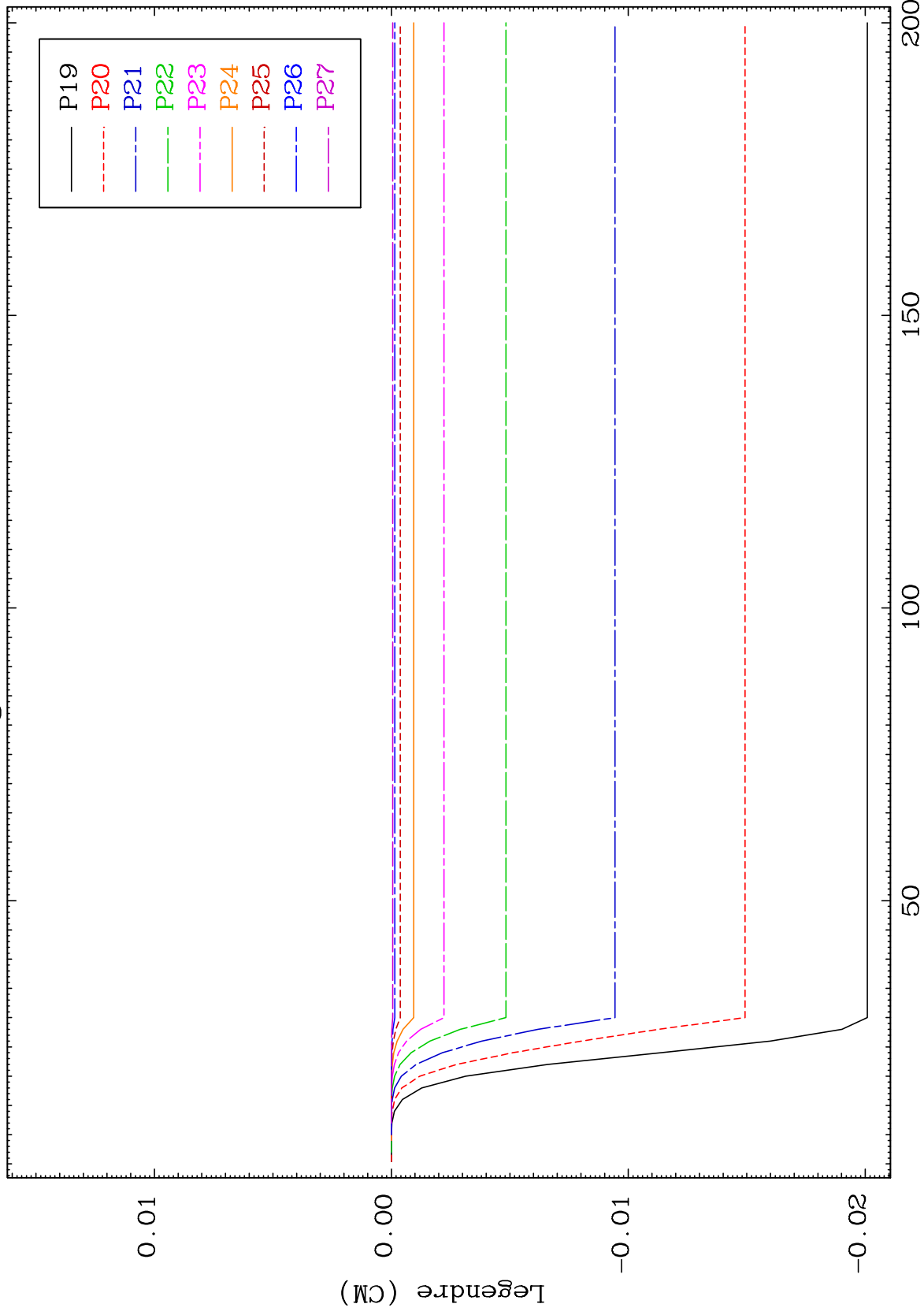
Incident Energy (MeV)

25

MAT 6167

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

61-Pm-153



26

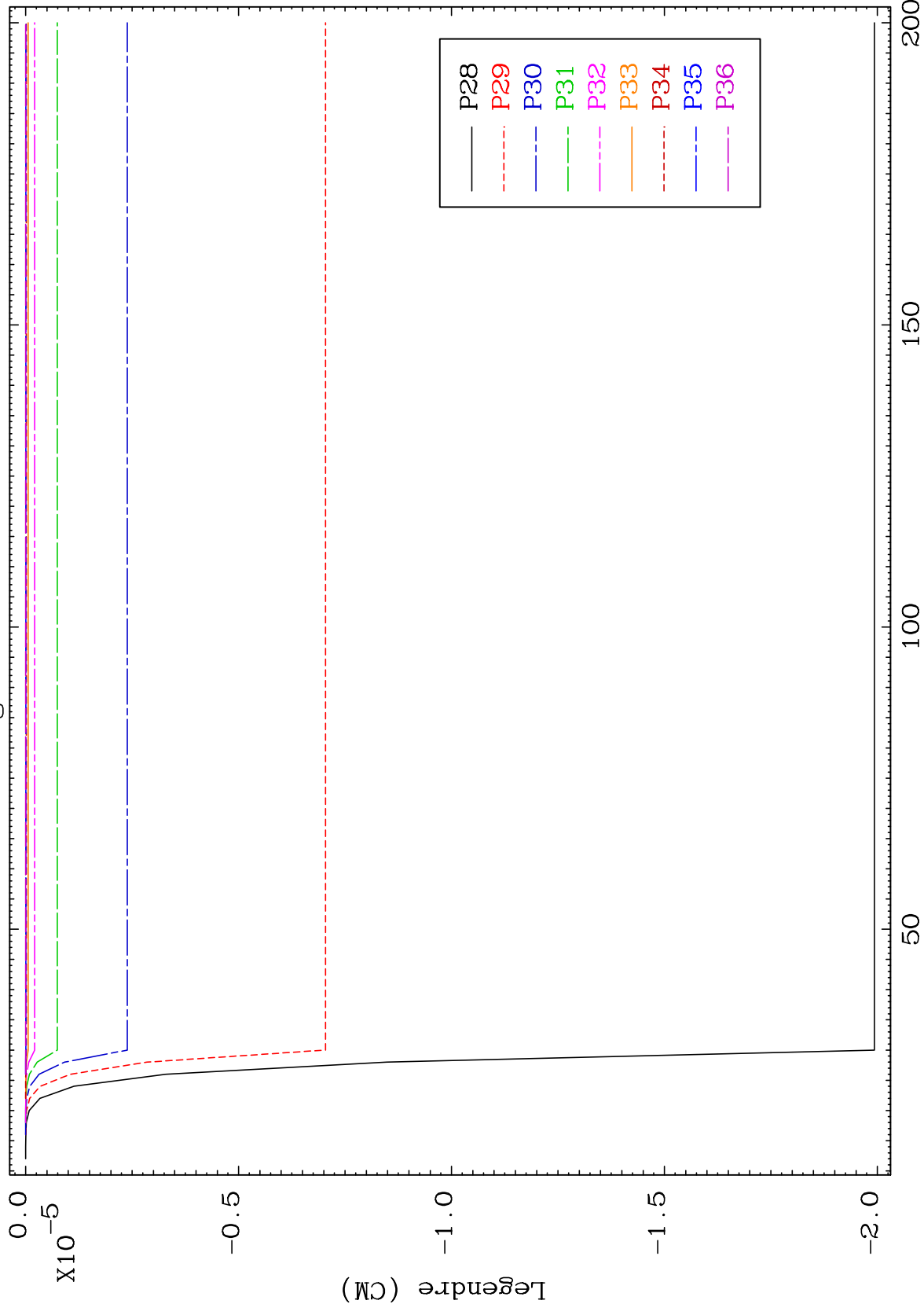
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



27

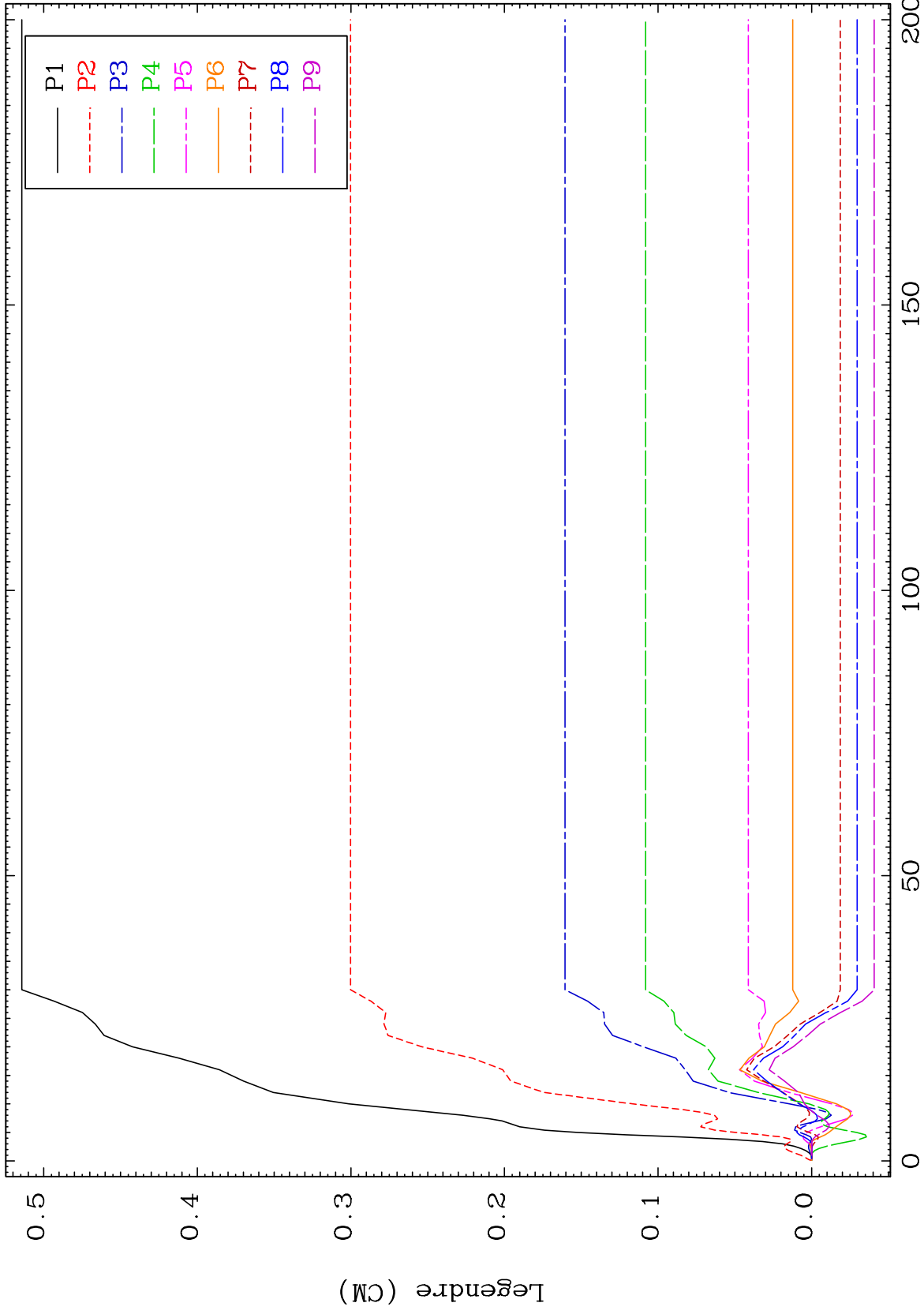
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



28

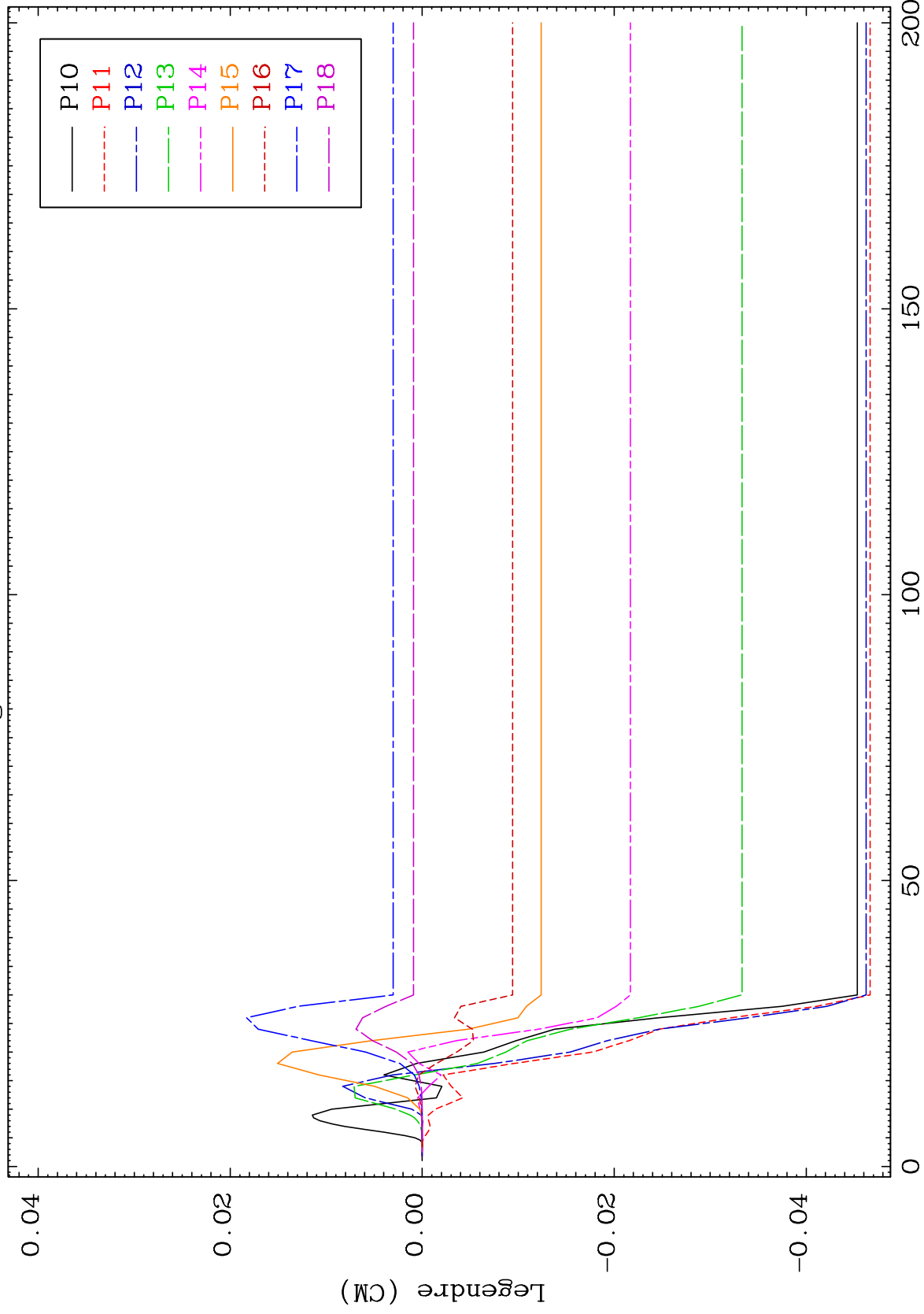
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



29

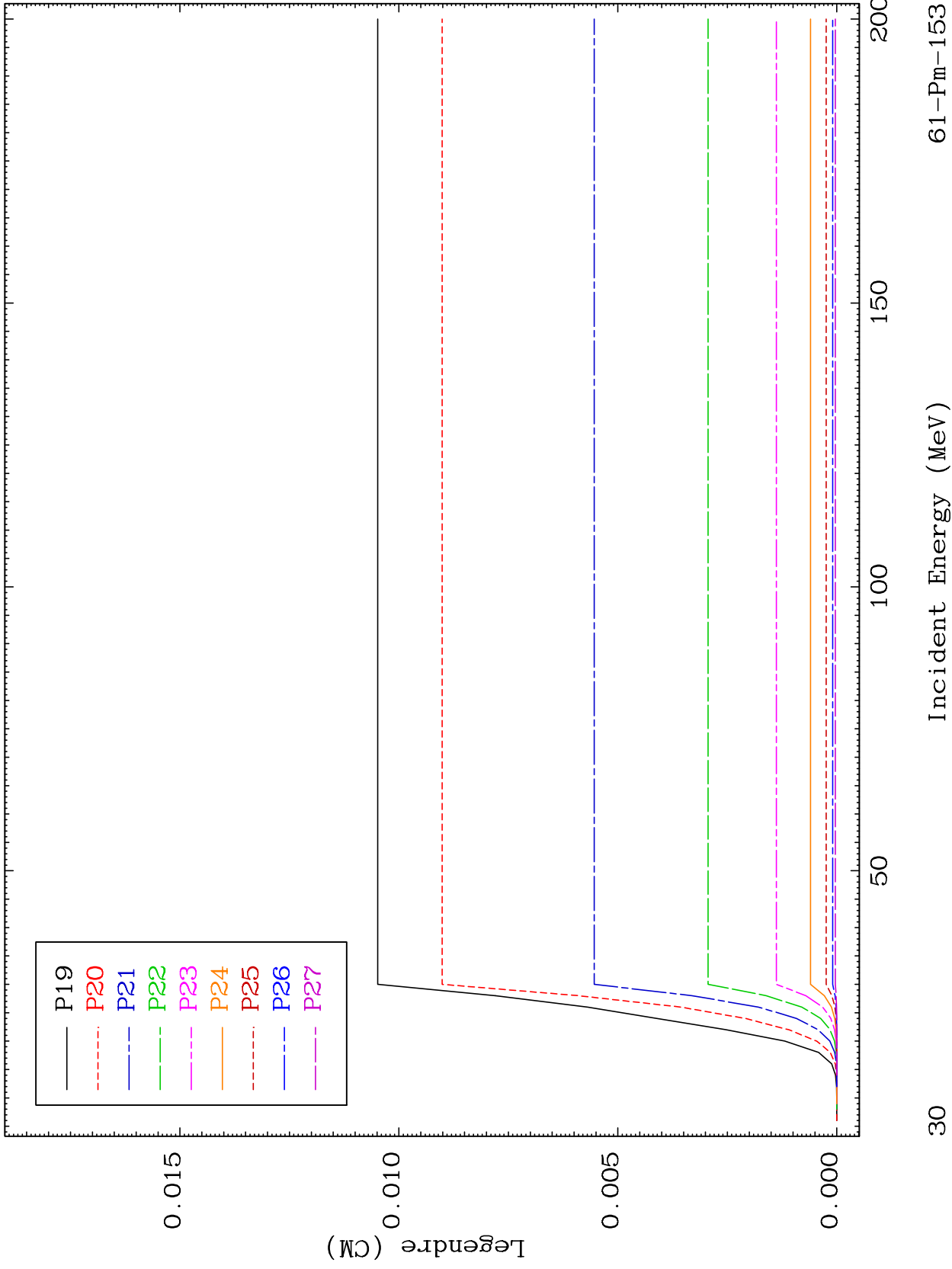
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



30

Incident Energy (MeV)

50

100

150

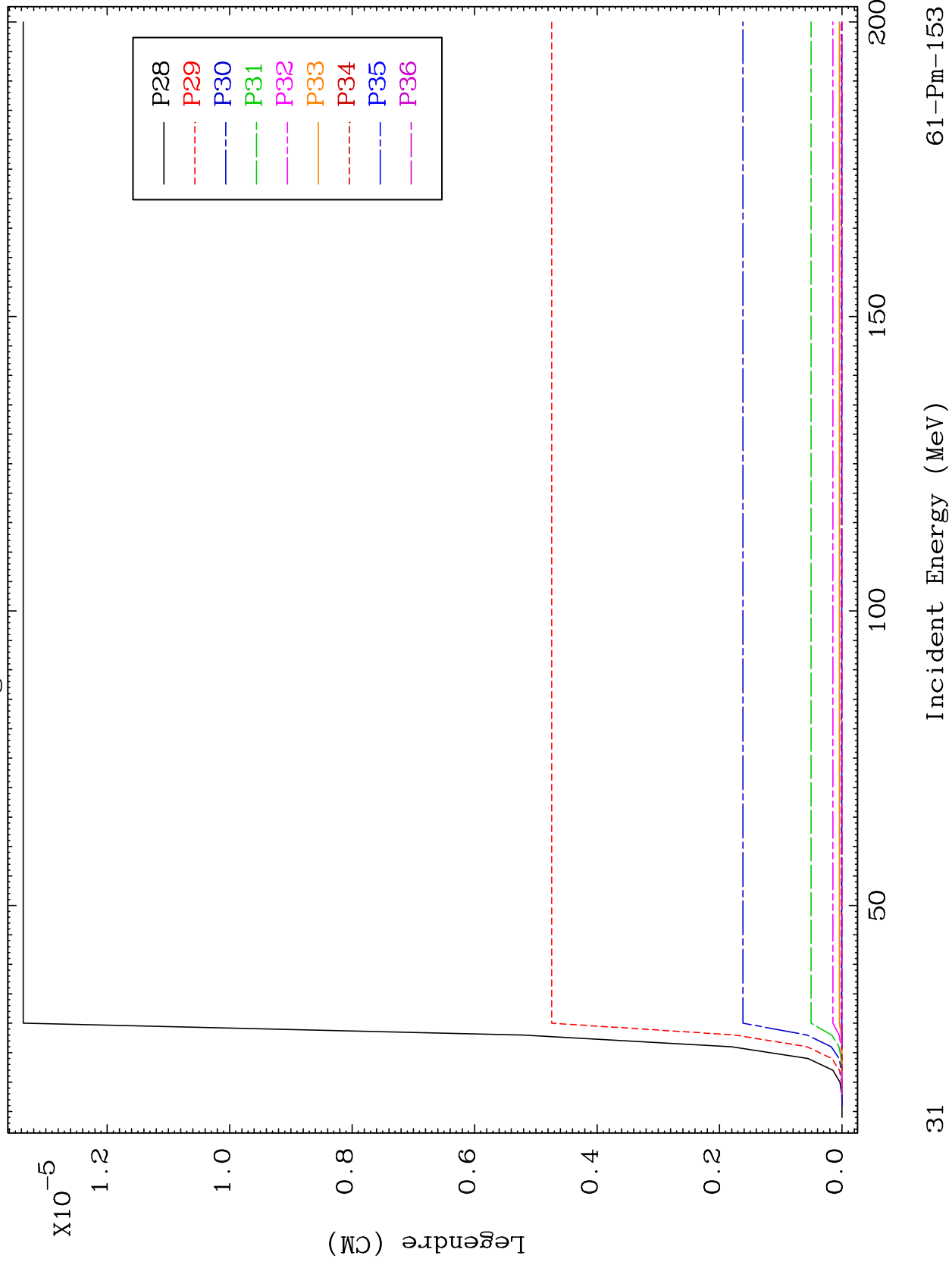
200

61-Pm-153

MAT 6167

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

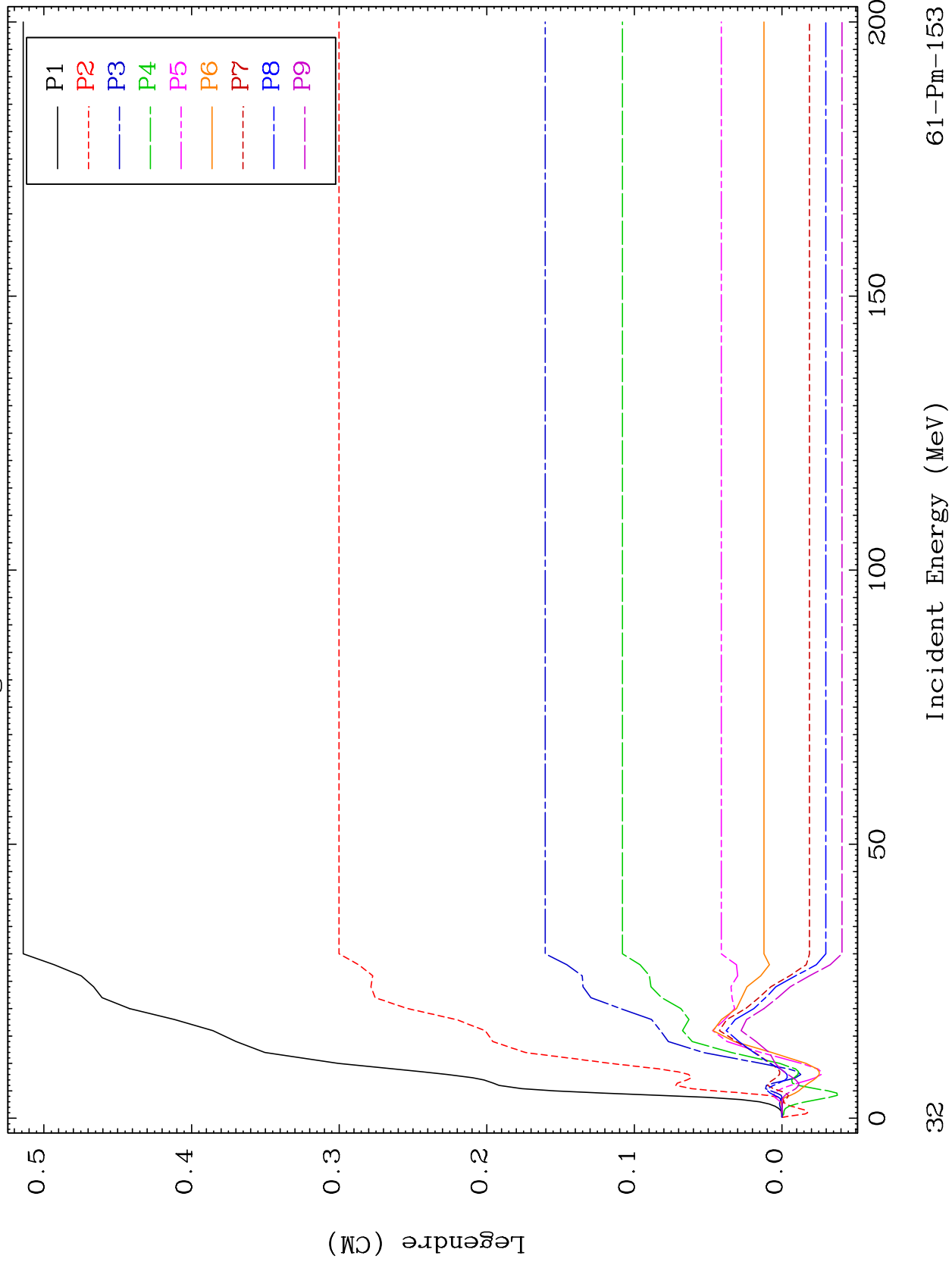
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MAT 6167

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

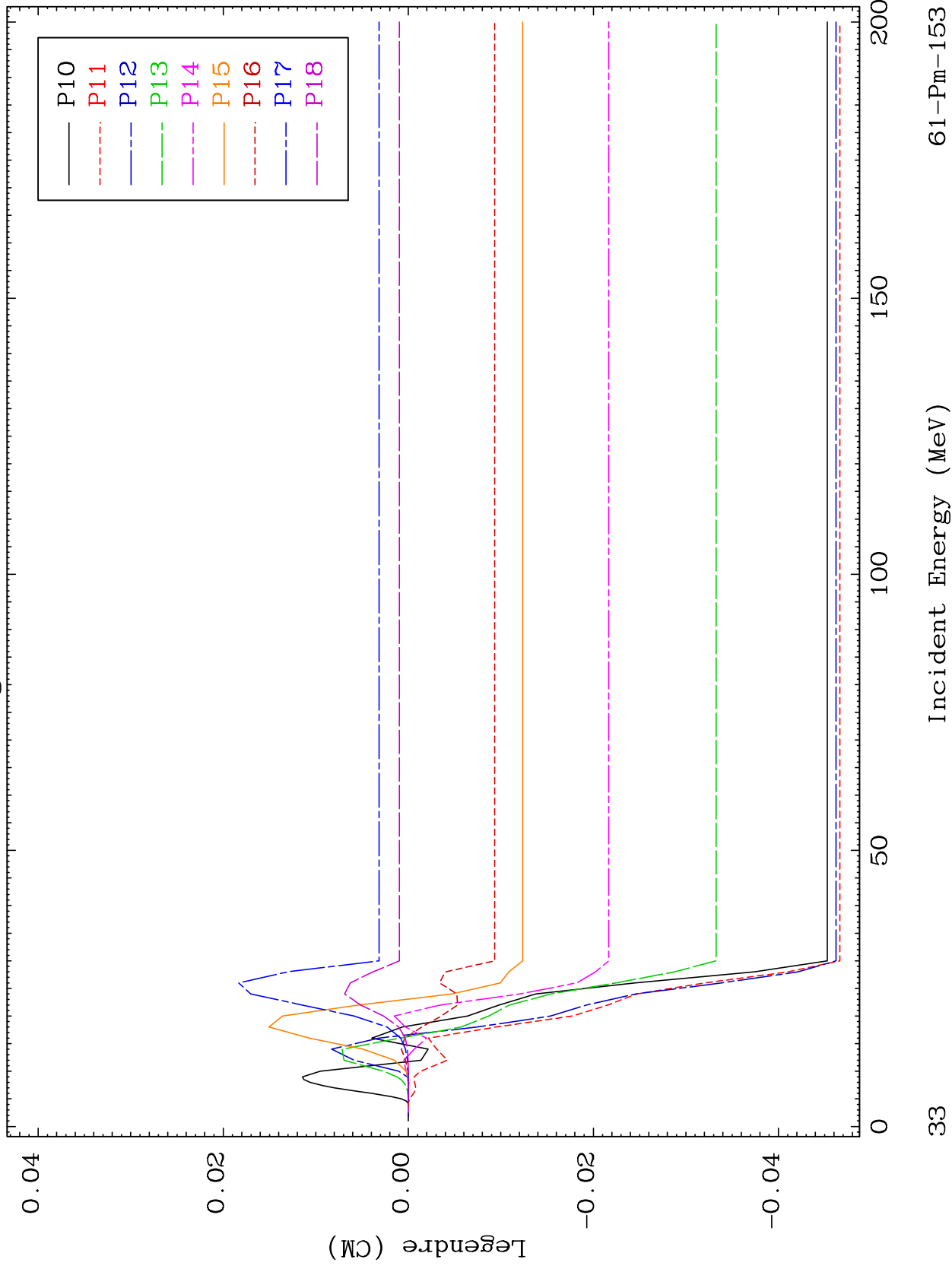
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MAT 6167

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

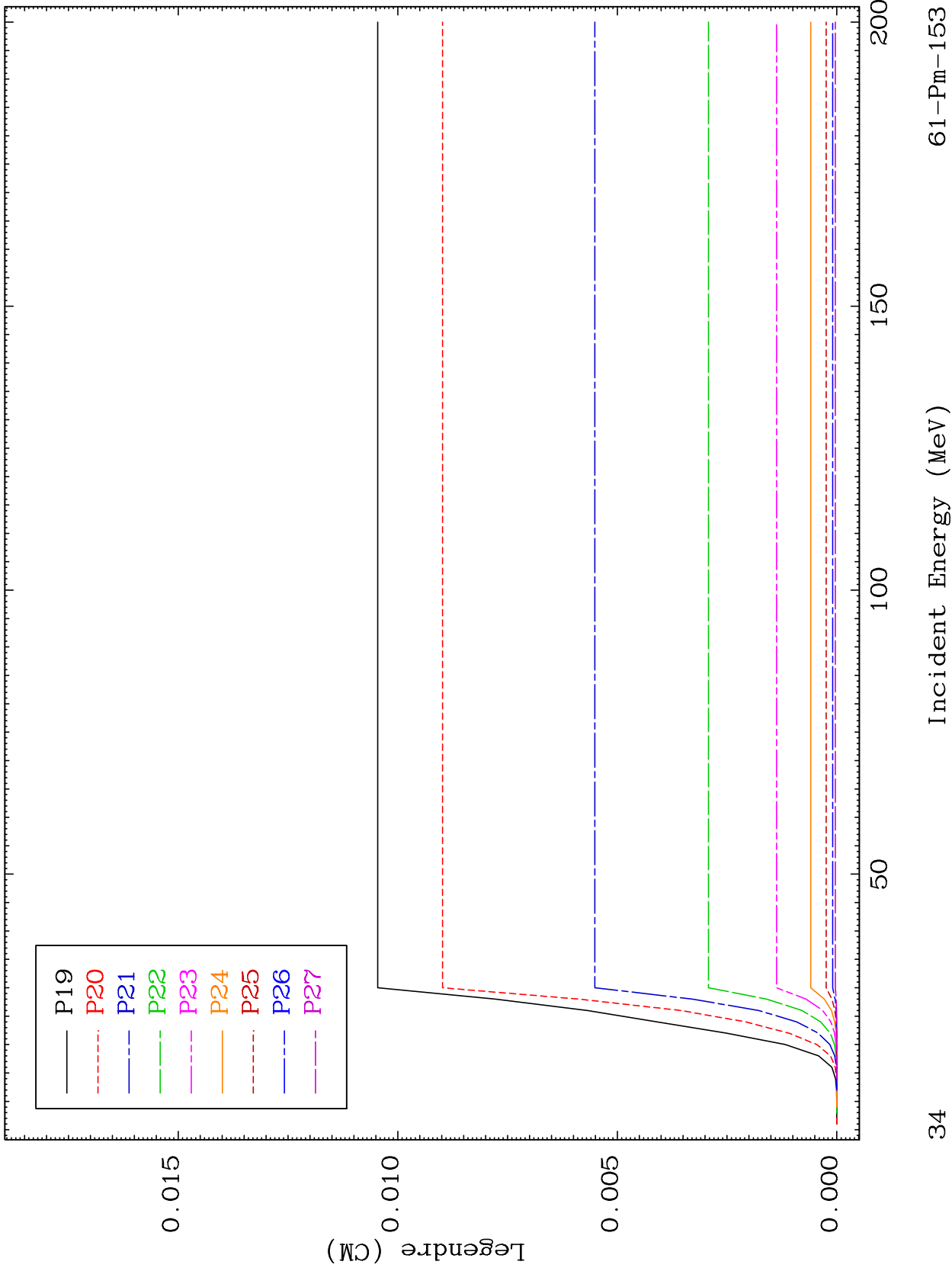
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33

Incident Energy (MeV)

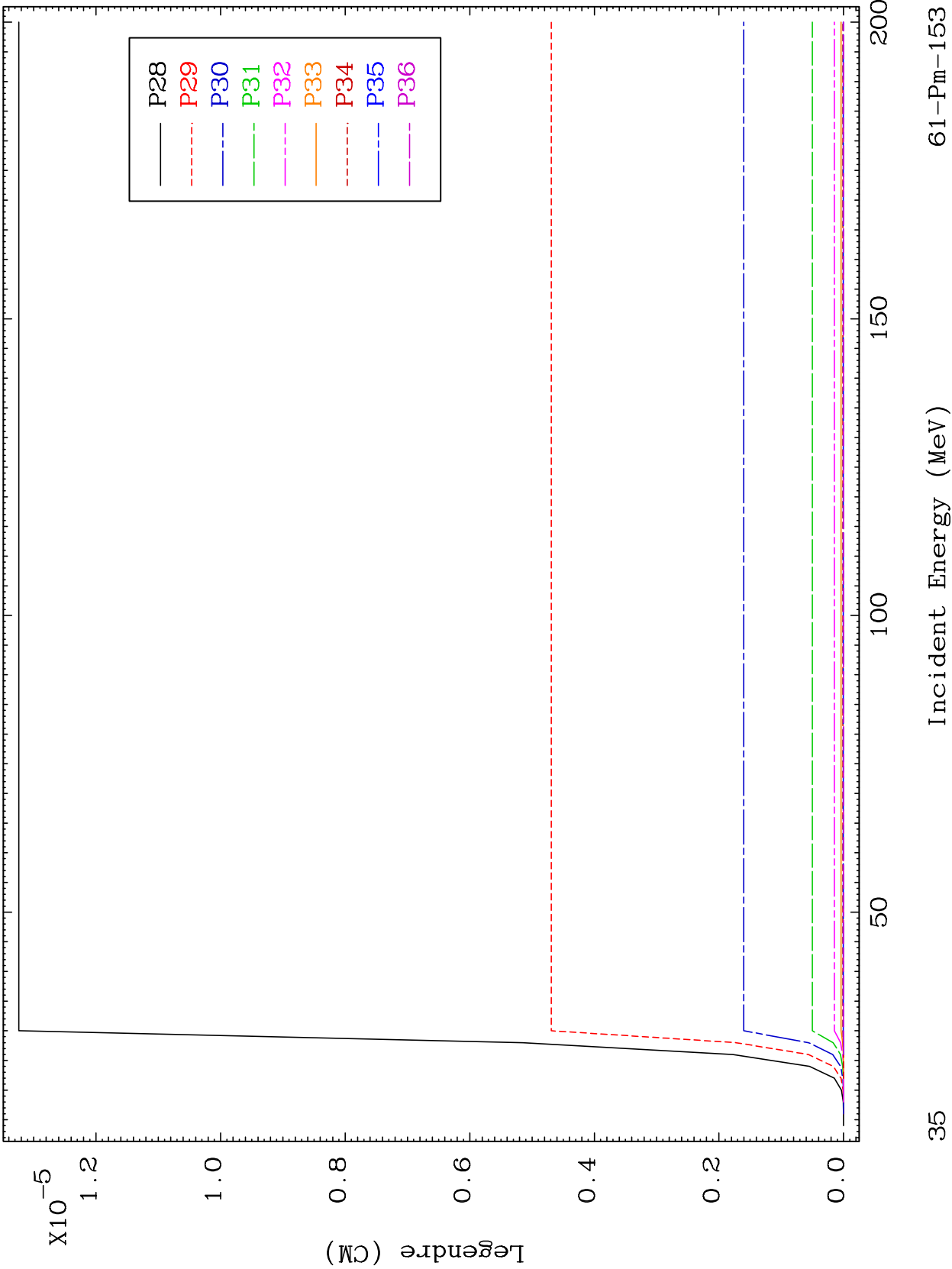
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MAT 6167

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

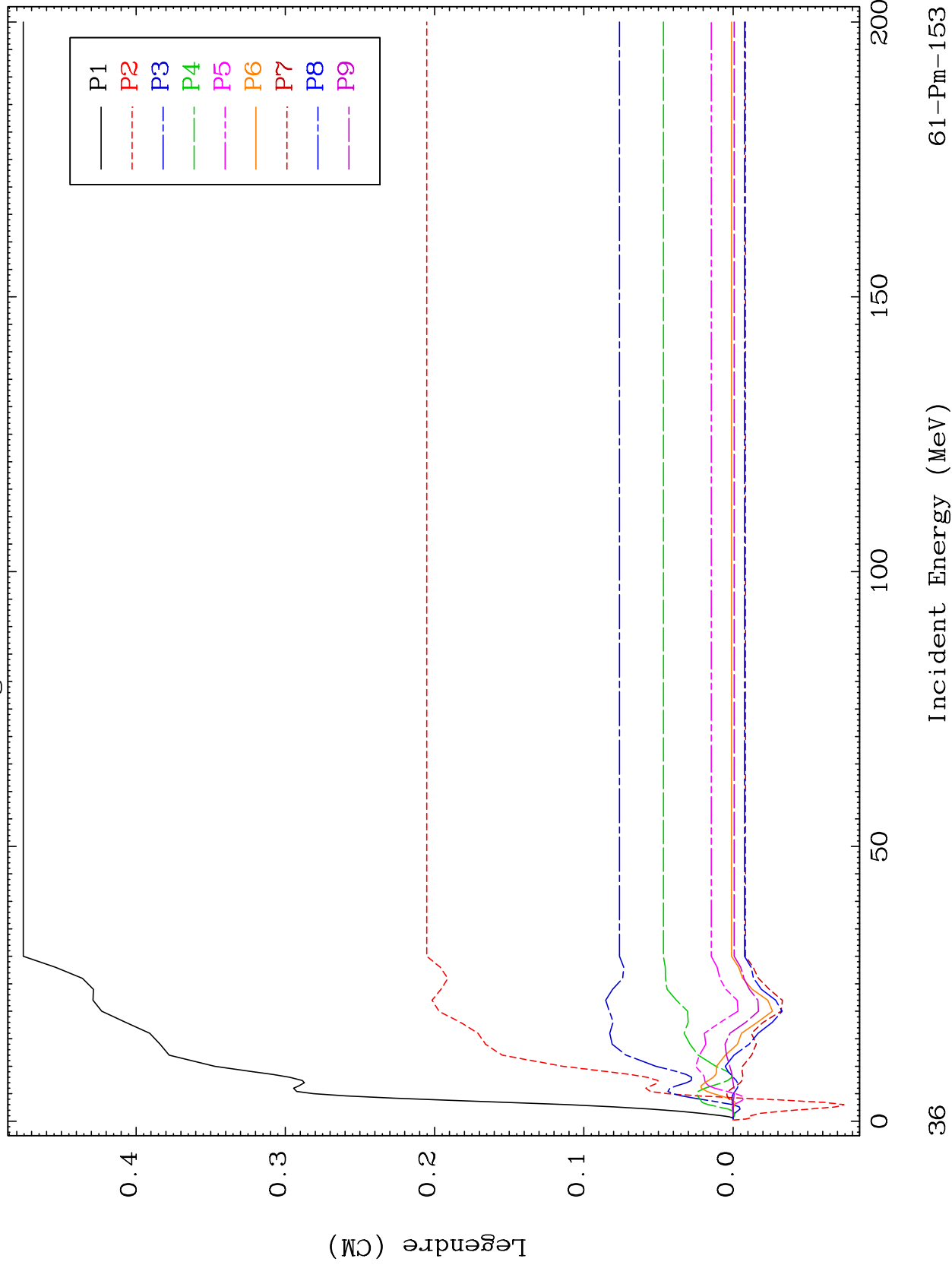
61-Pm-153



35

Incident Energy (MeV)

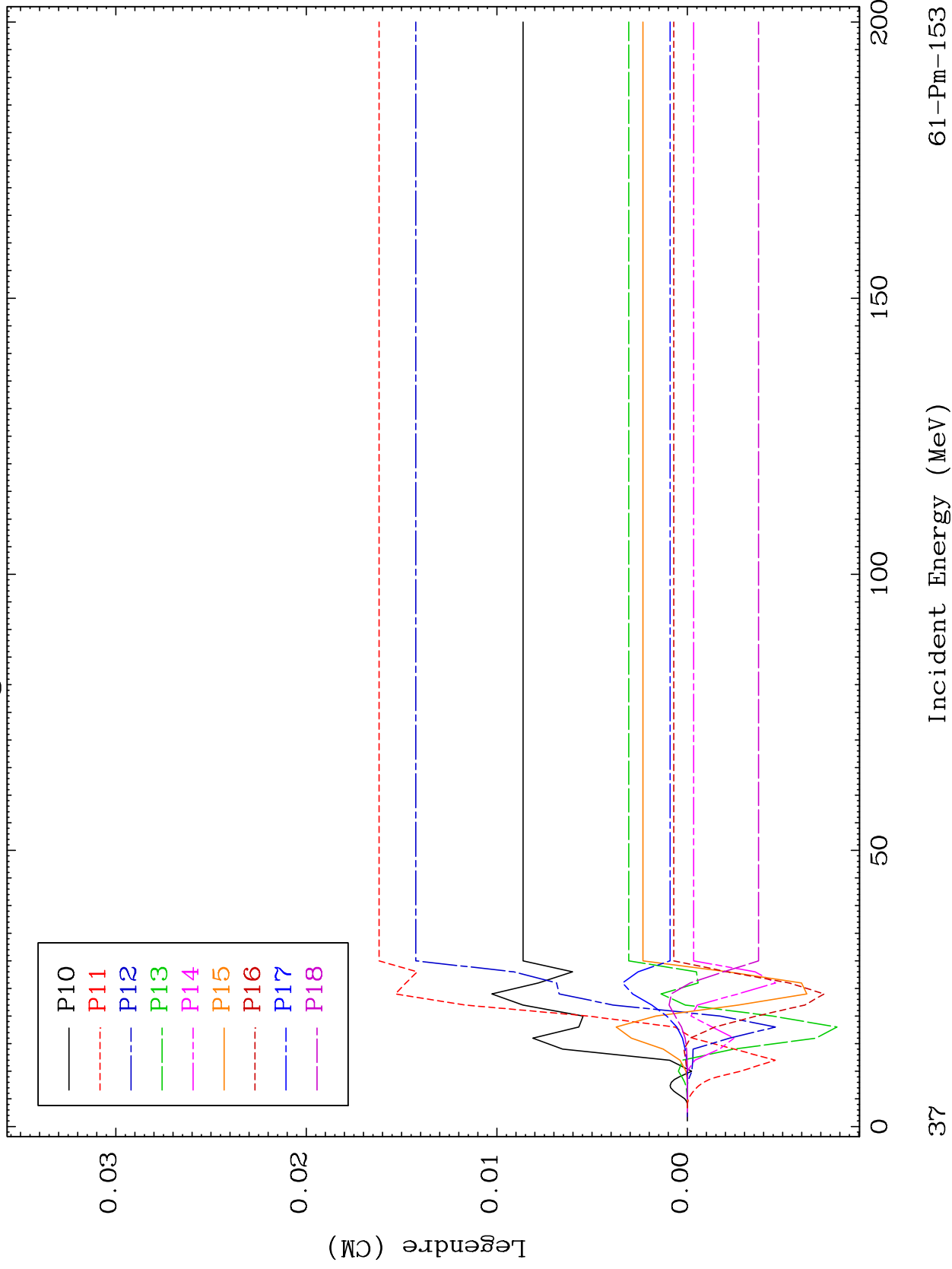
61-Pm-153



MAT 61677

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

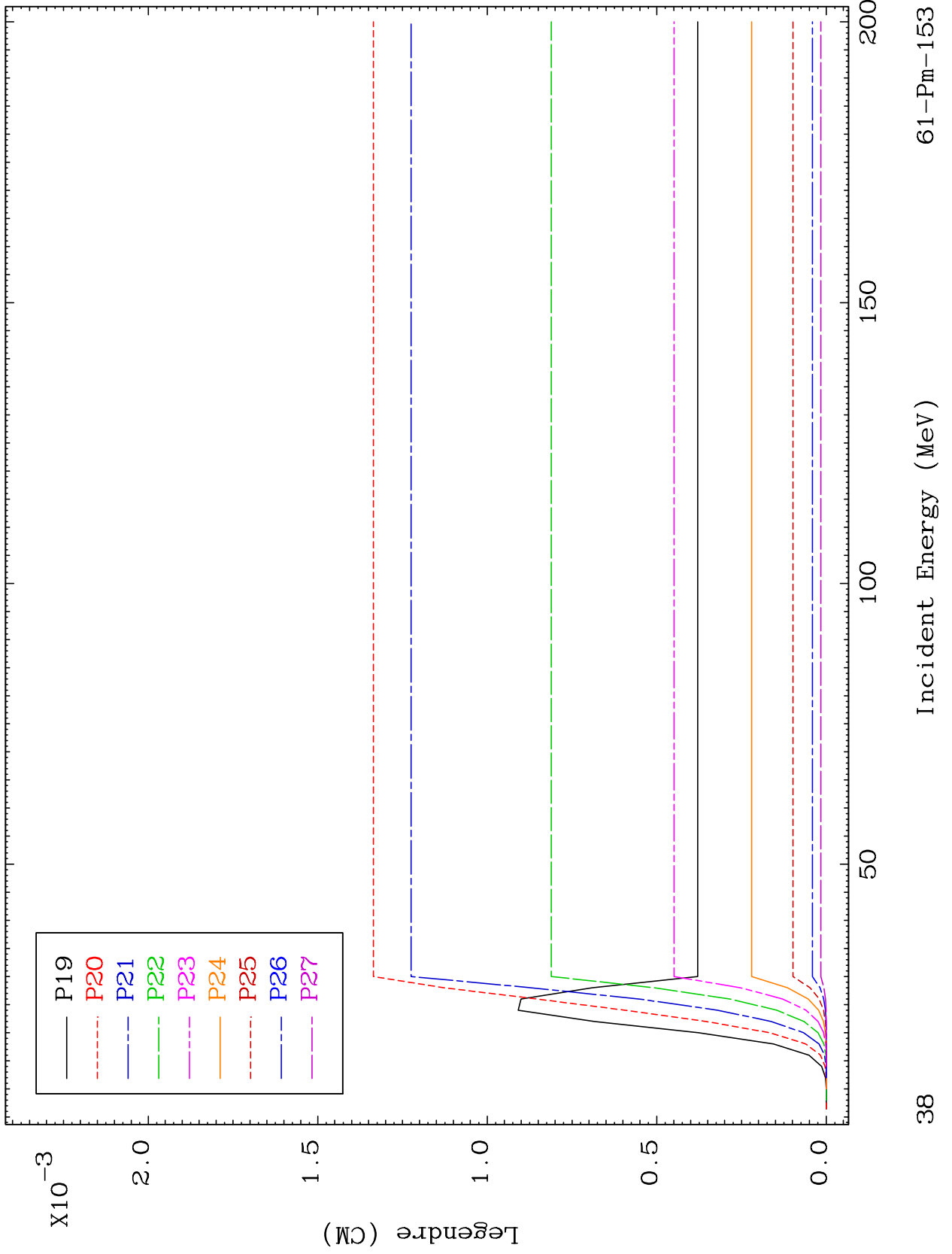
61-Pm-153



37

Incident Energy (MeV)

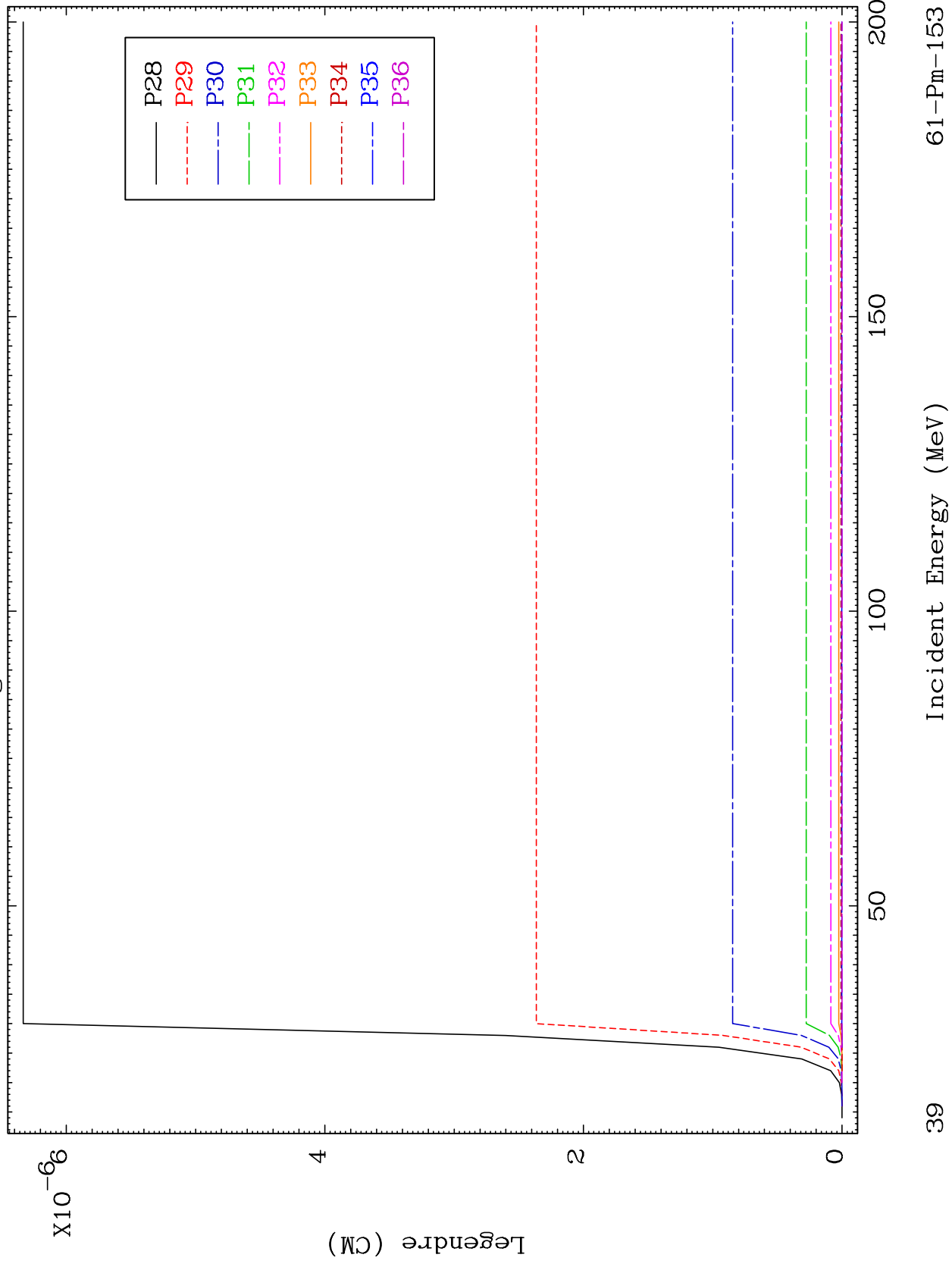
61-Pm-153



MAT 6167

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

61-Pm-153



39

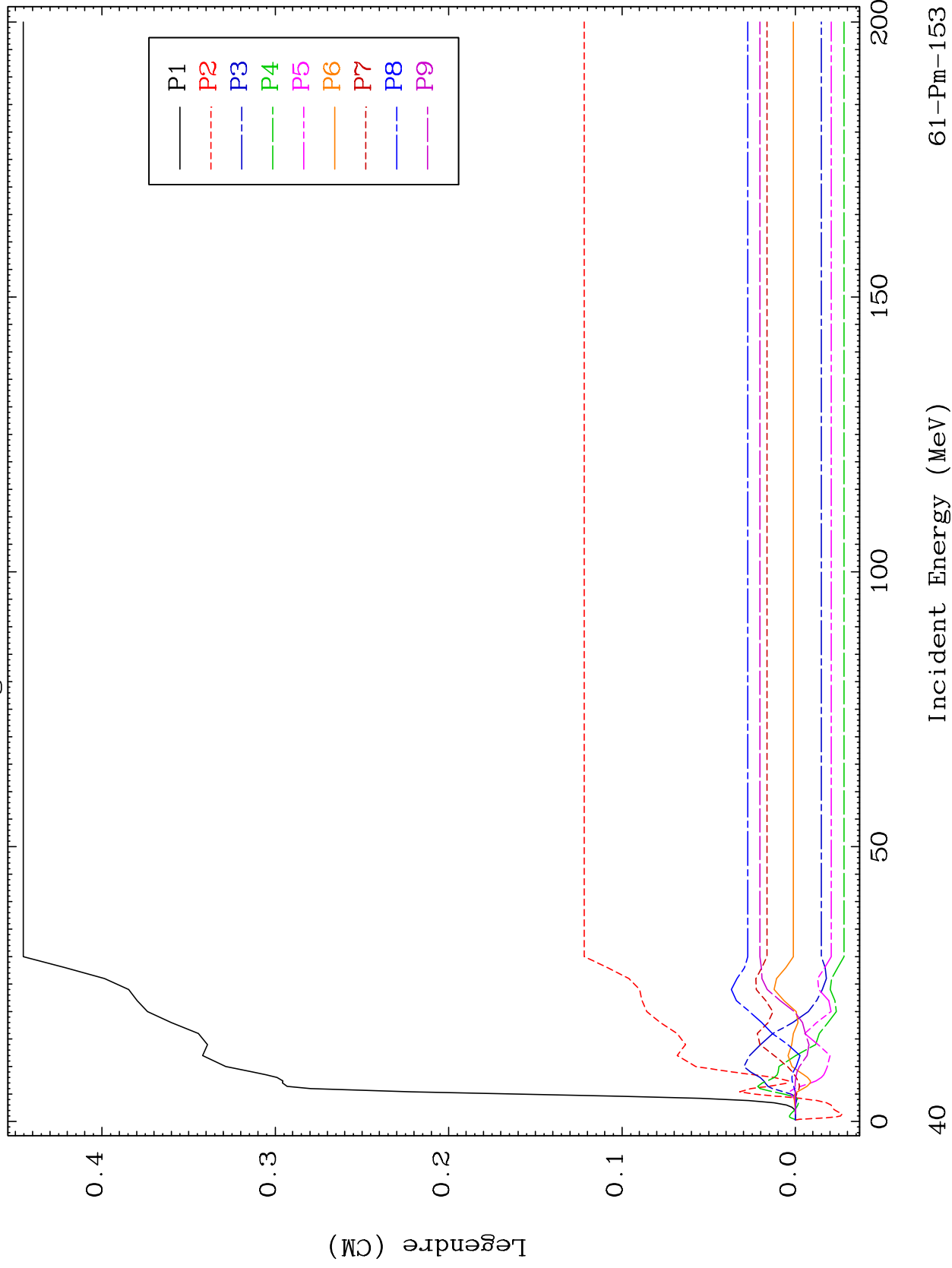
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



61-Pm-153

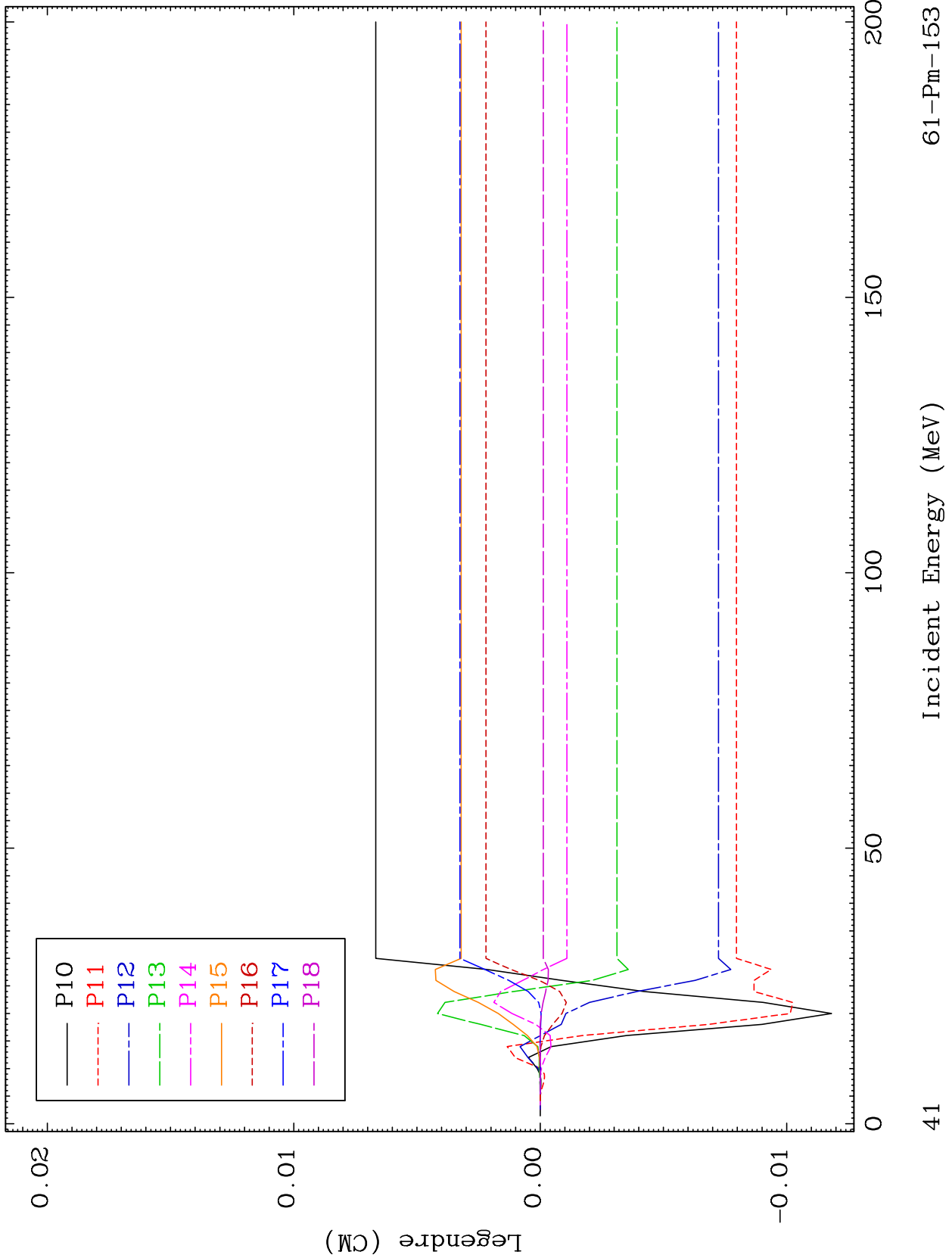
Incident Energy (MeV)

40

MAT 6167

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

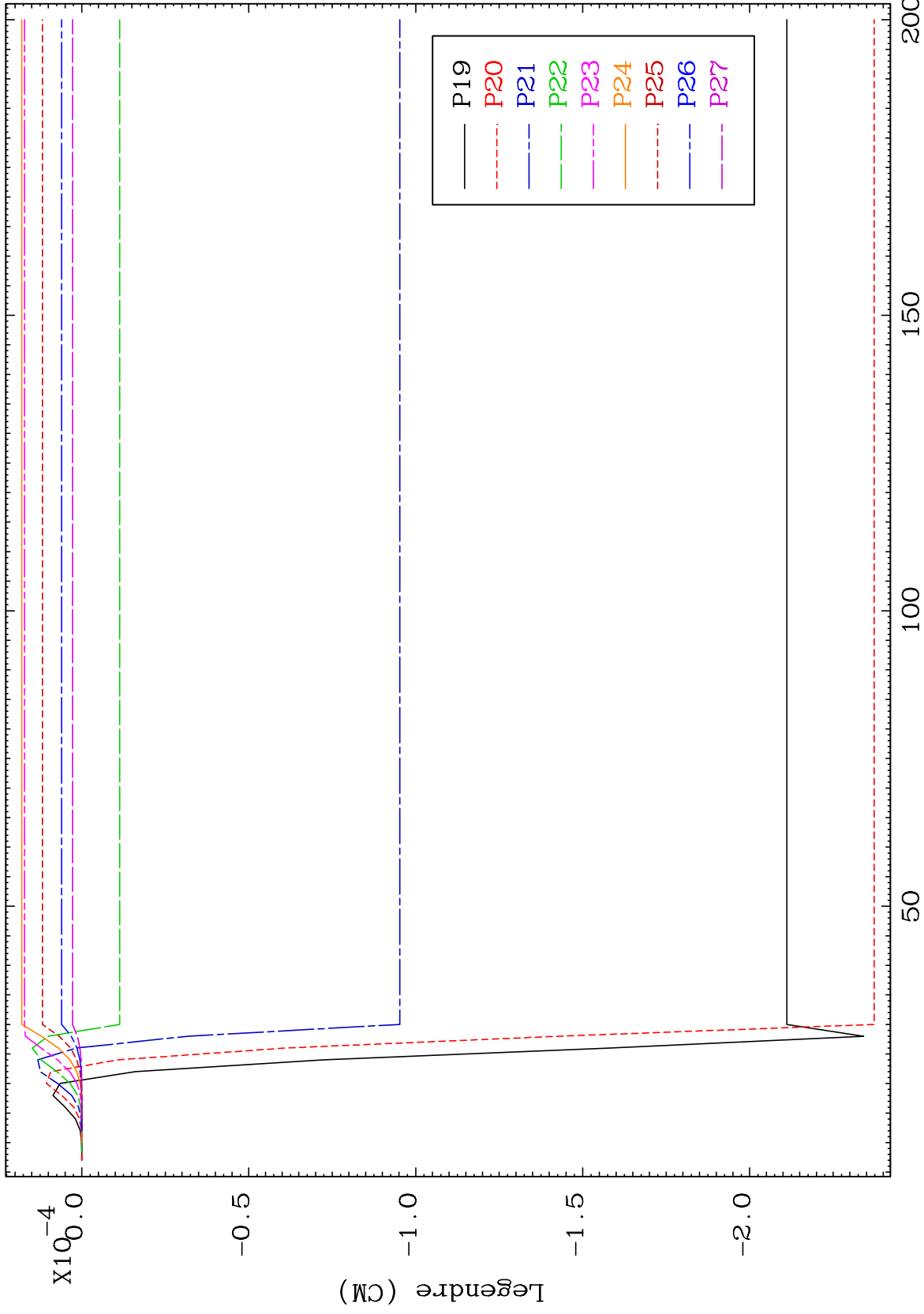
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MAT 6167

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

61-Pm-153



42

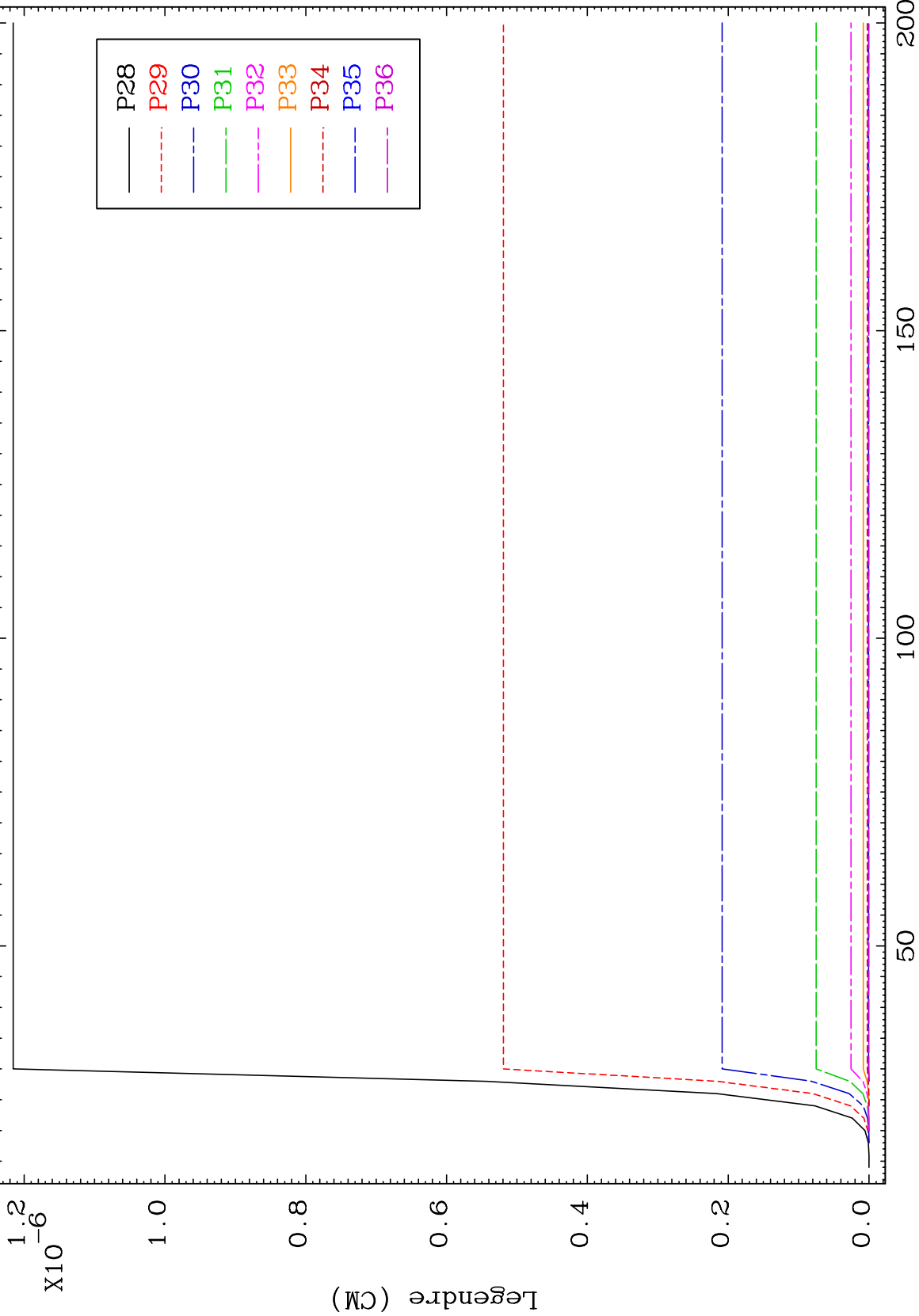
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



43

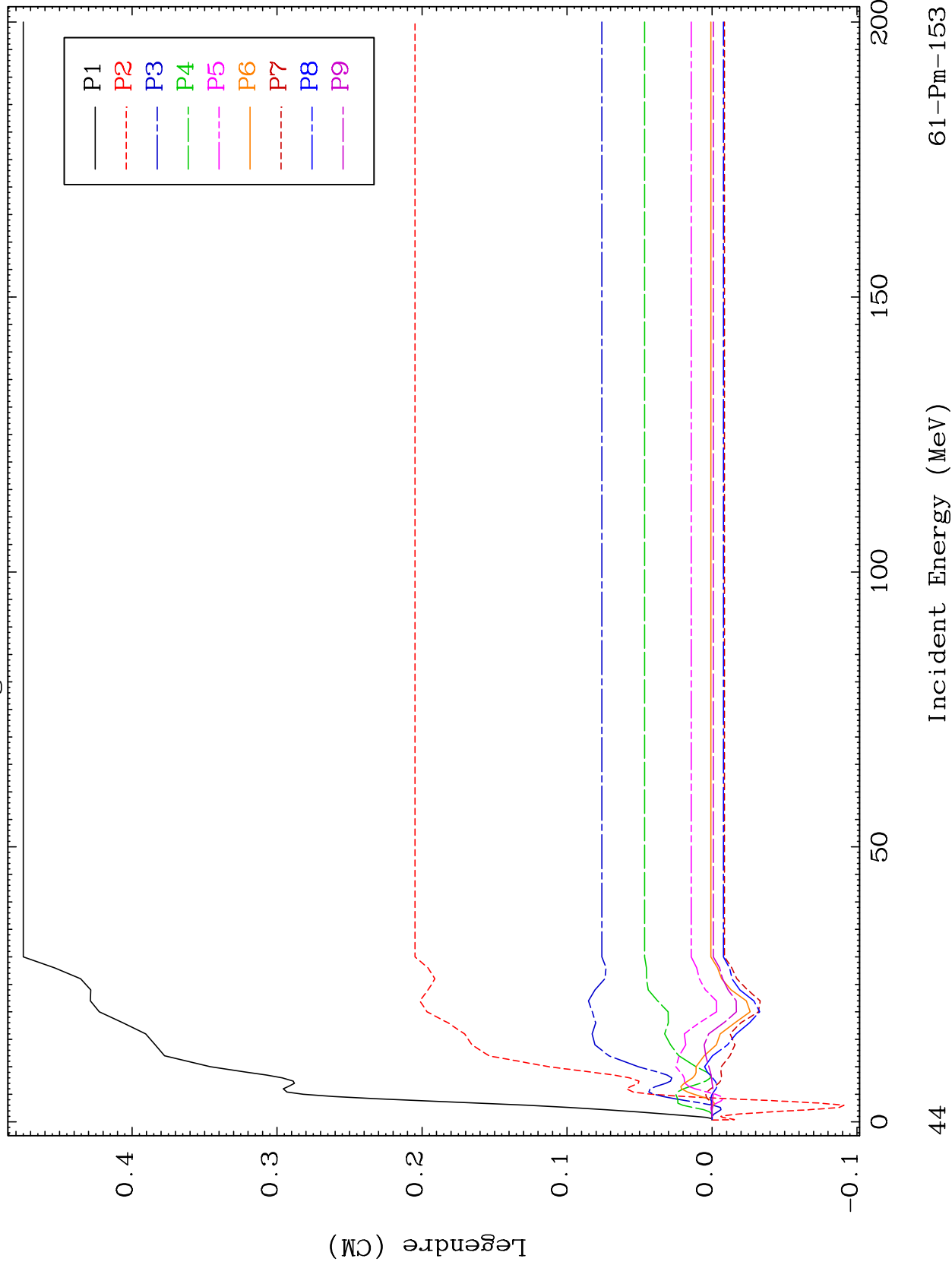
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



61-Pm-153

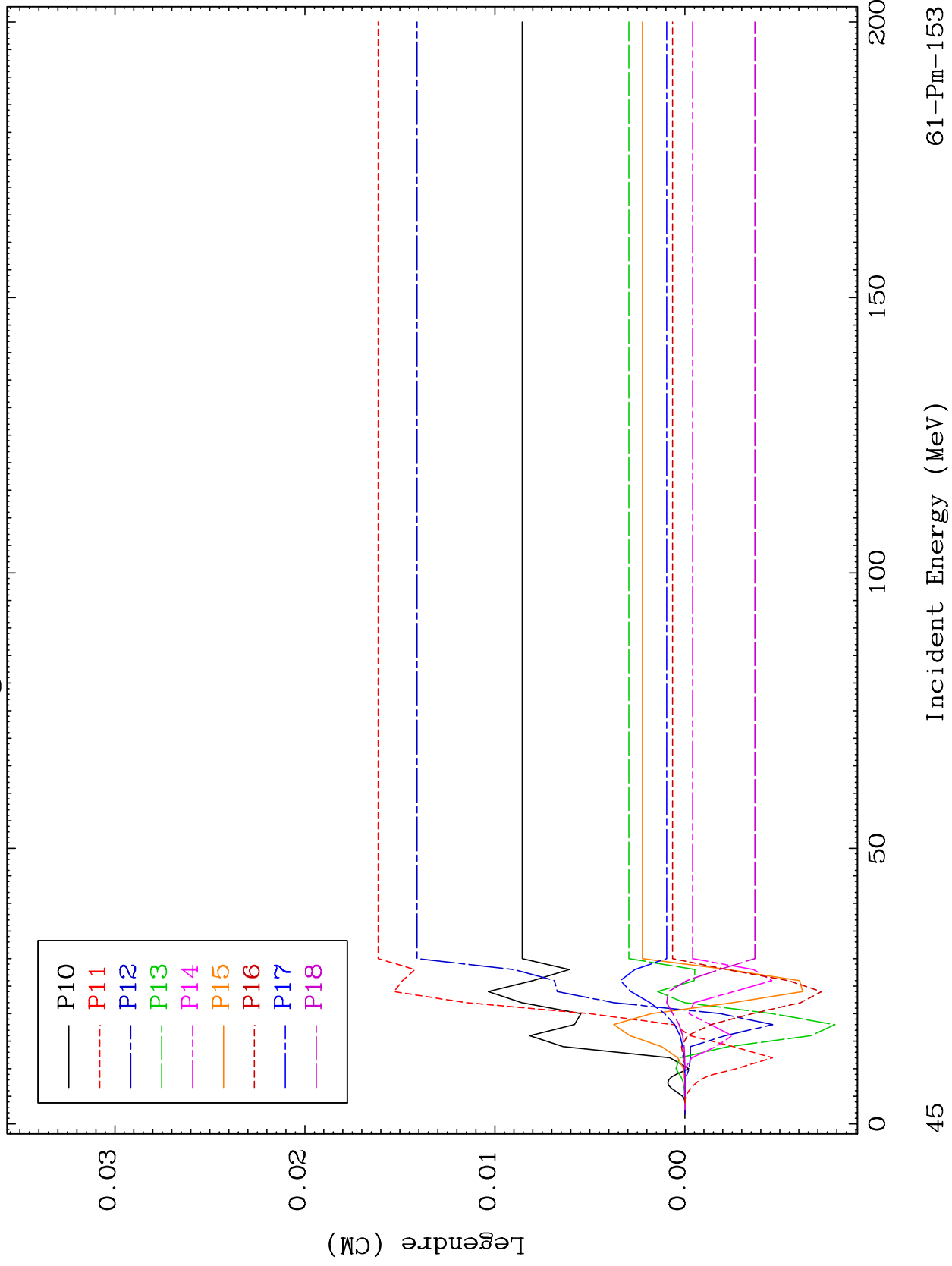
Incident Energy (MeV)

44

MAT 61677

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

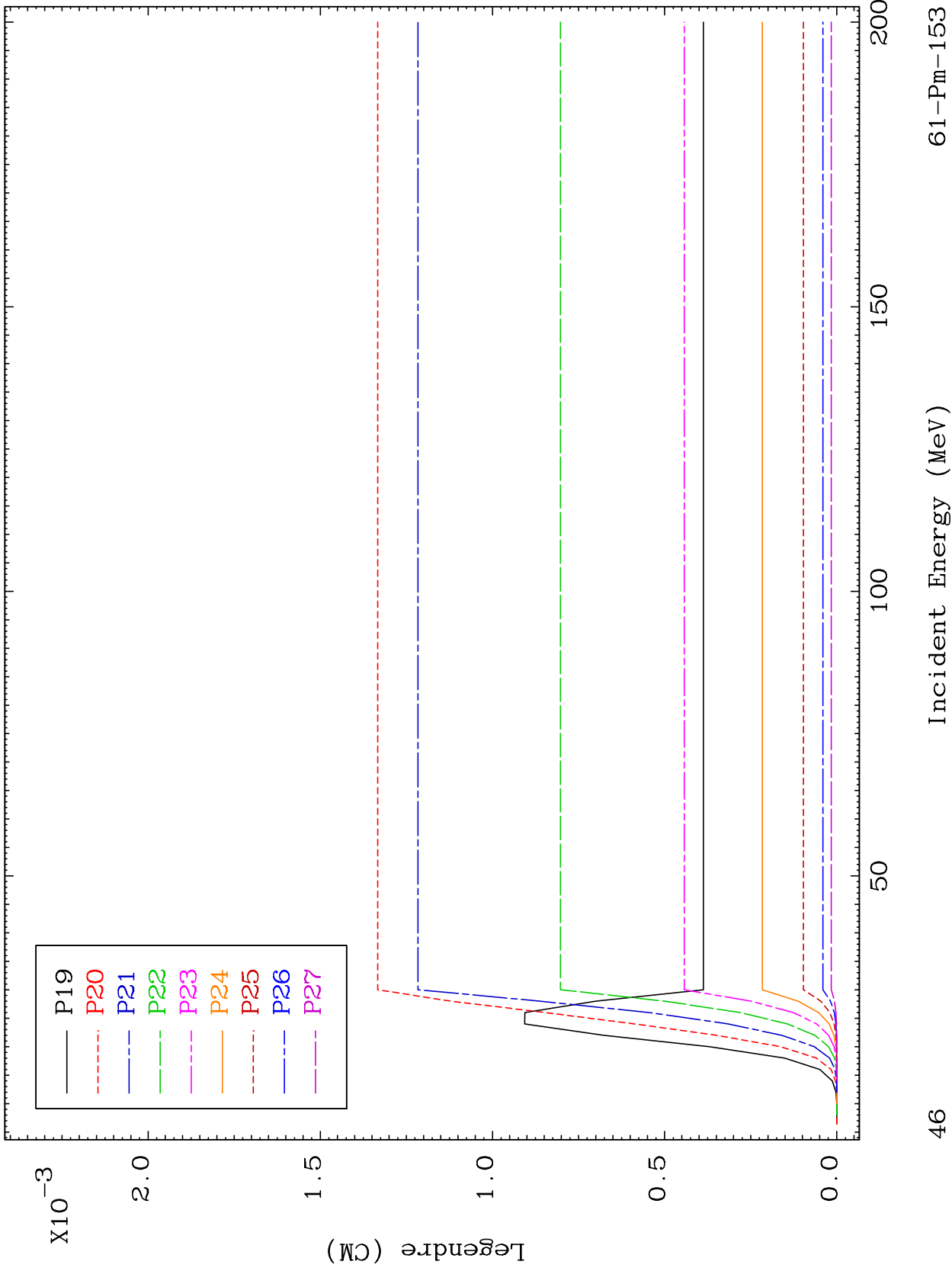
61-Pm-153



61-Pm-153

Incident Energy (MeV)

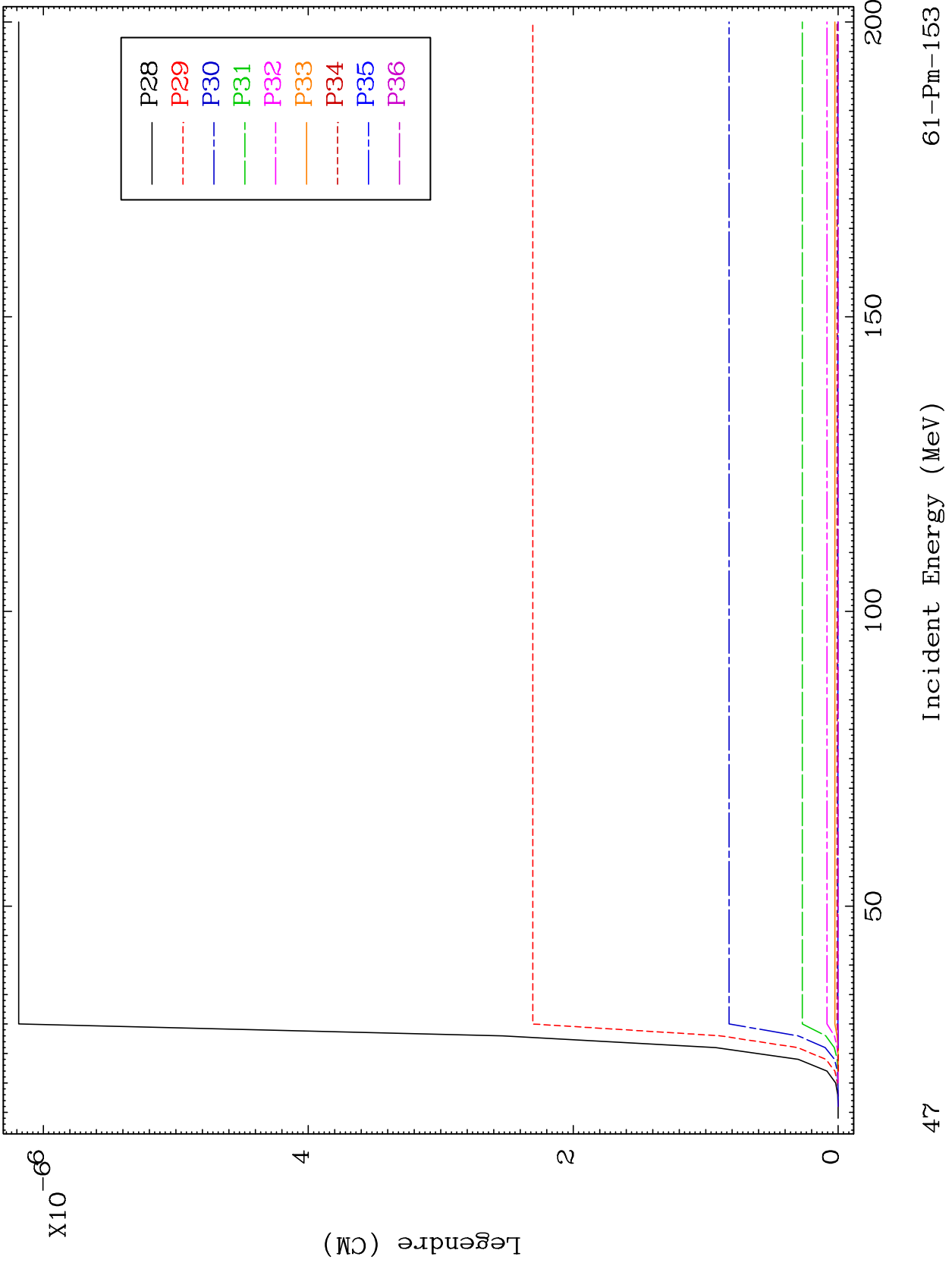
45



MAT 6167

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

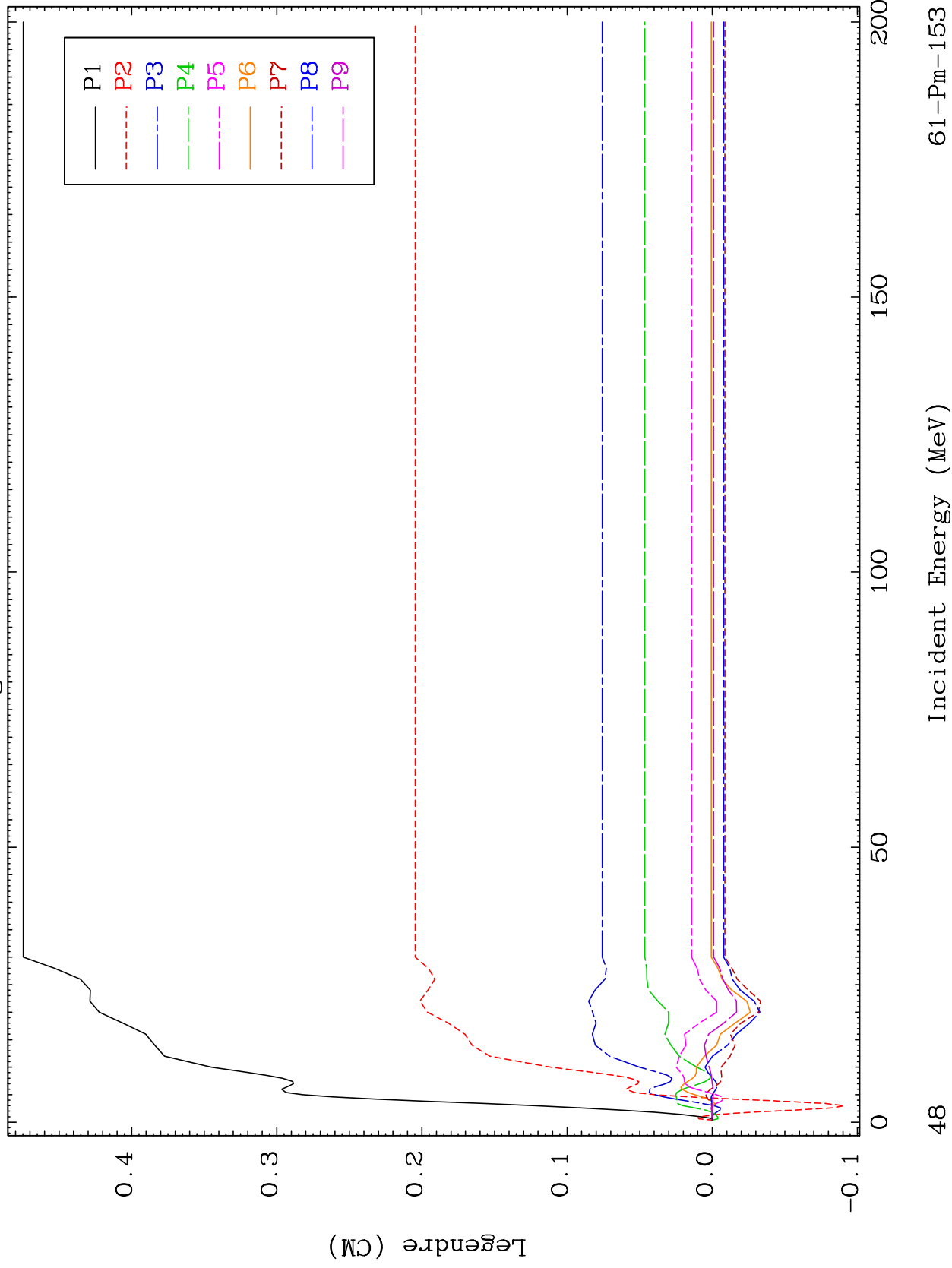
61-Pm-153



MAT 6167

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

61-Pm-153



61-Pm-153

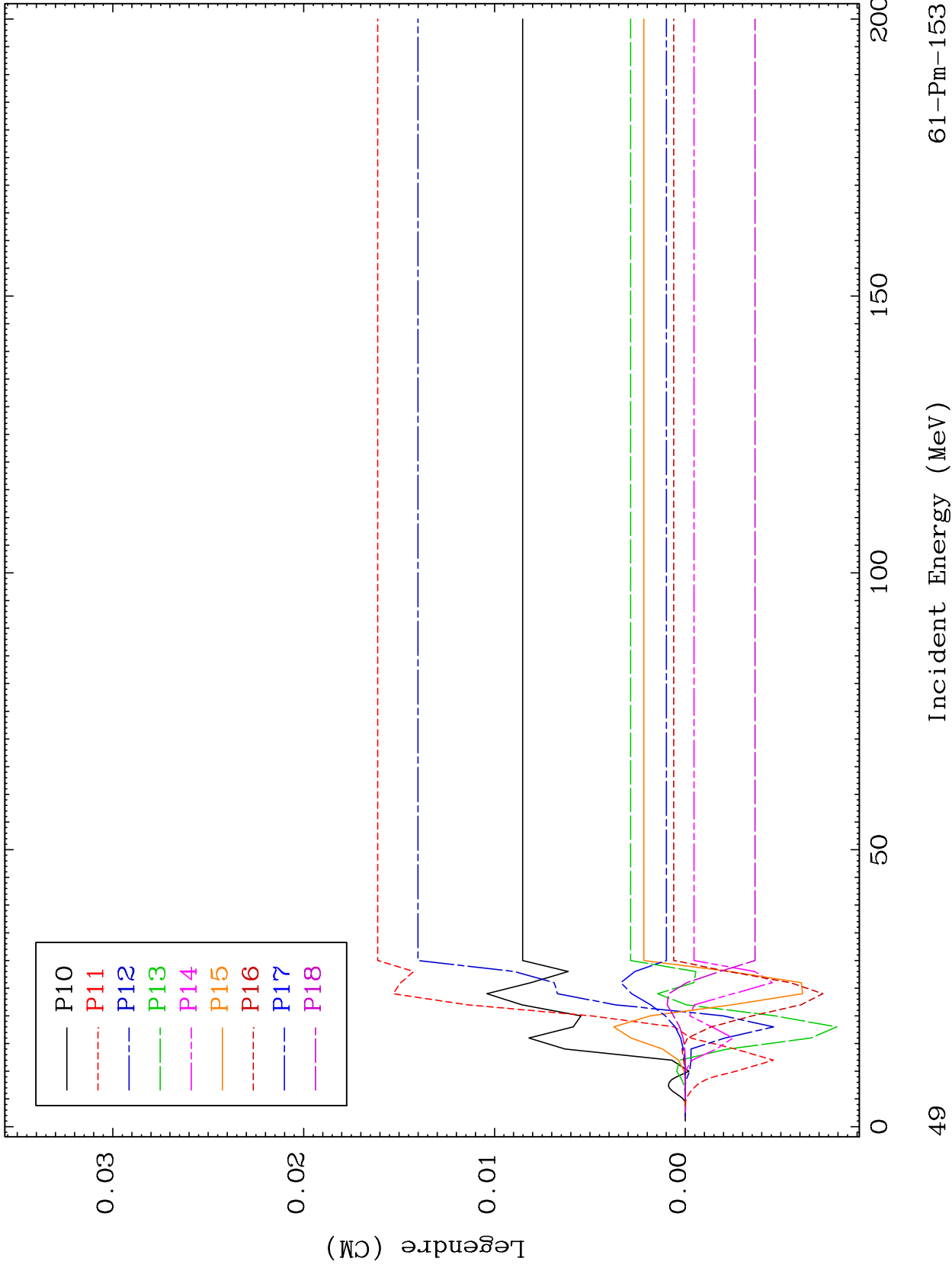
Incident Energy (MeV)

48

MAT 6167

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

61-Pm-153



61-Pm-153

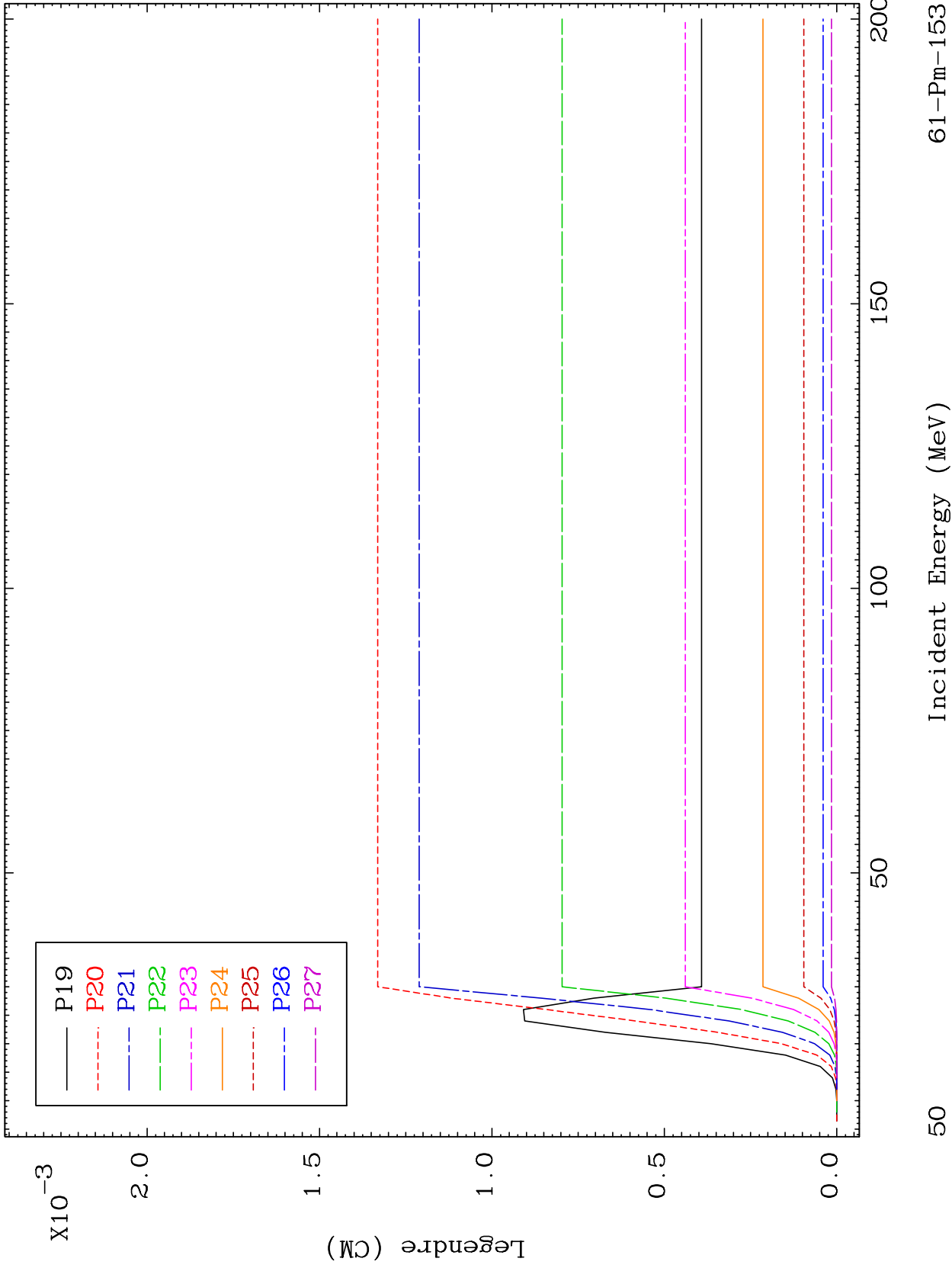
Incident Energy (MeV)

49

MAT 61677

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

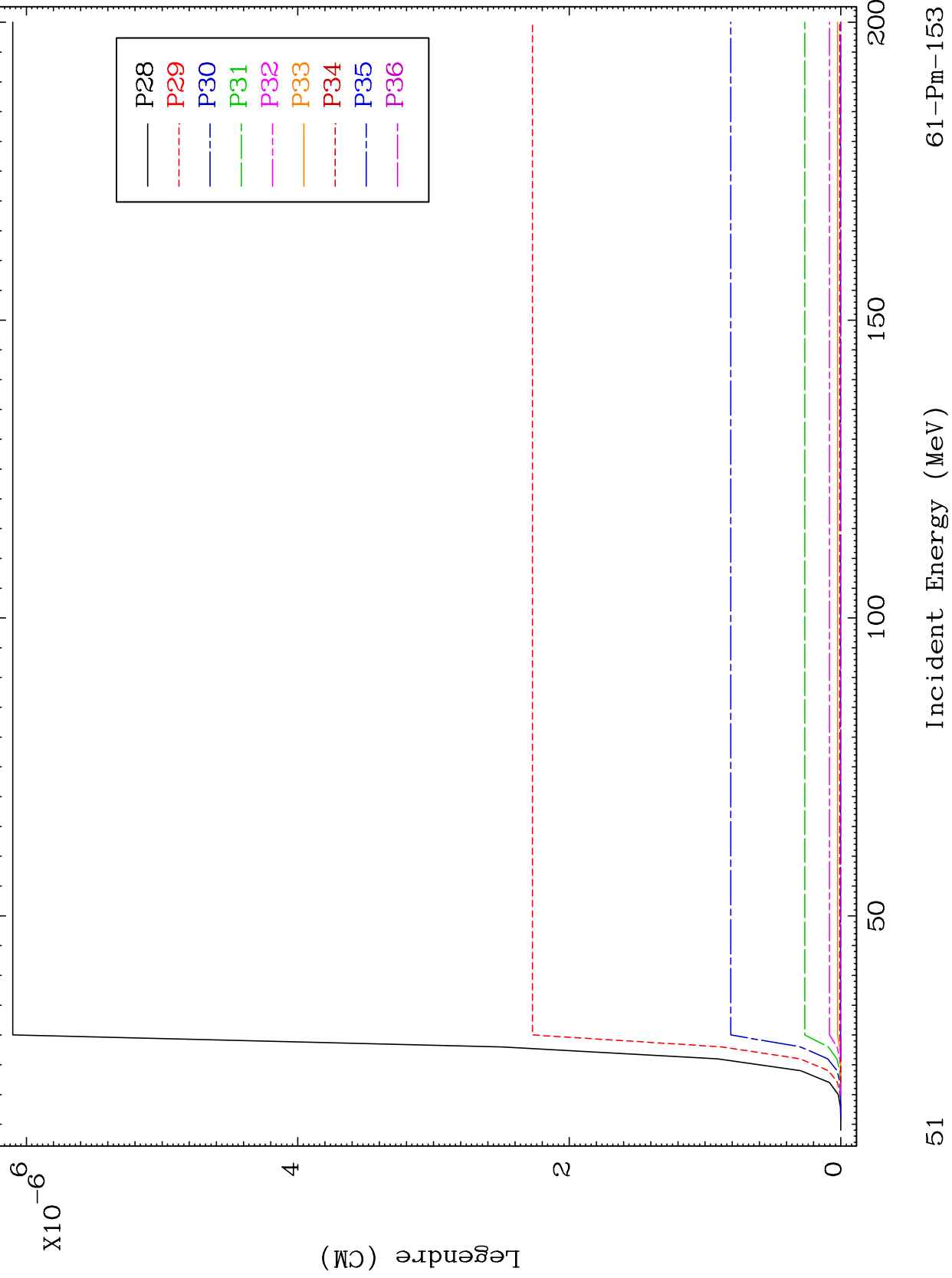
61-Pm-153



MAT 6167

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

61-Pm-153



51

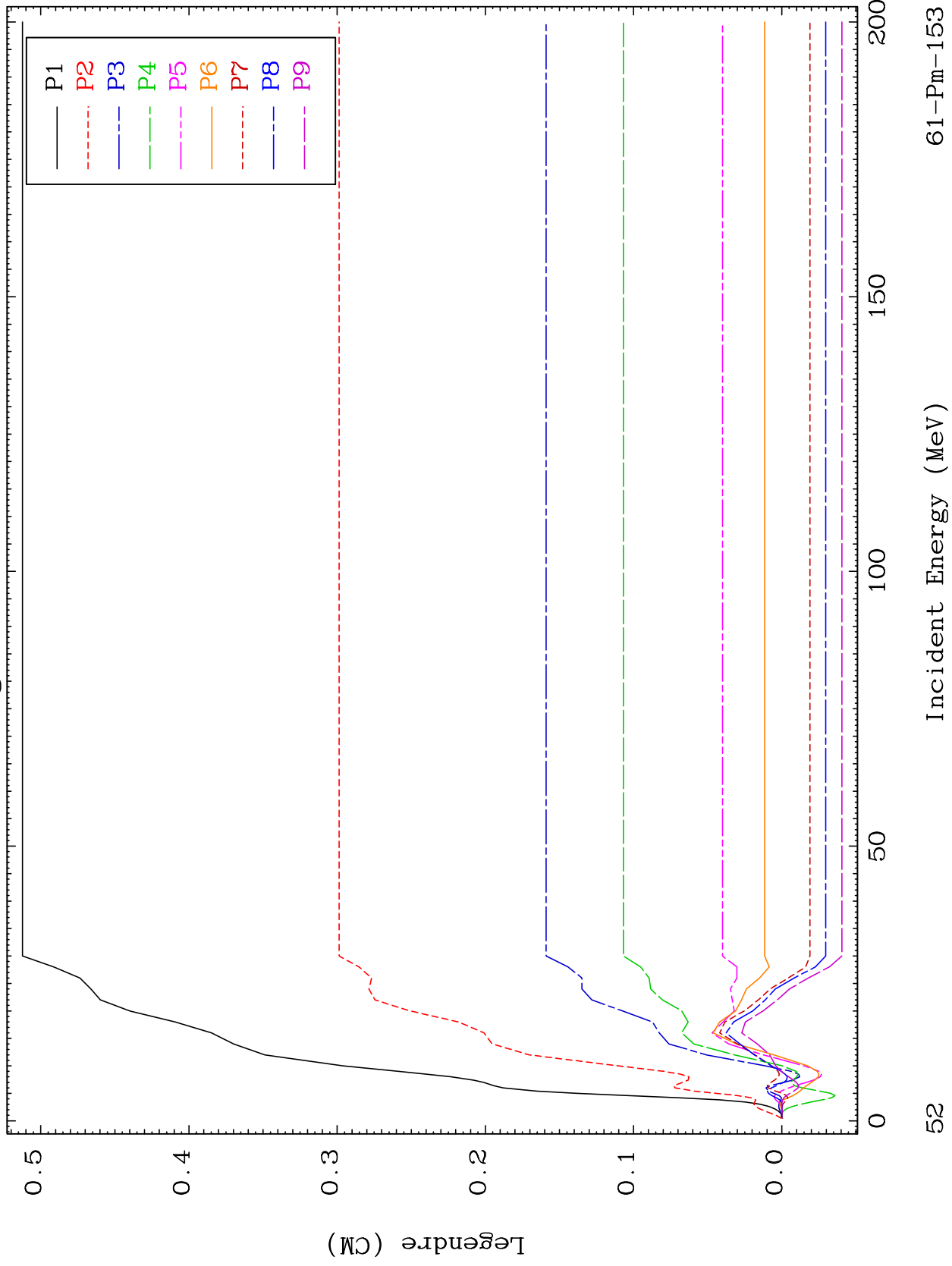
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153

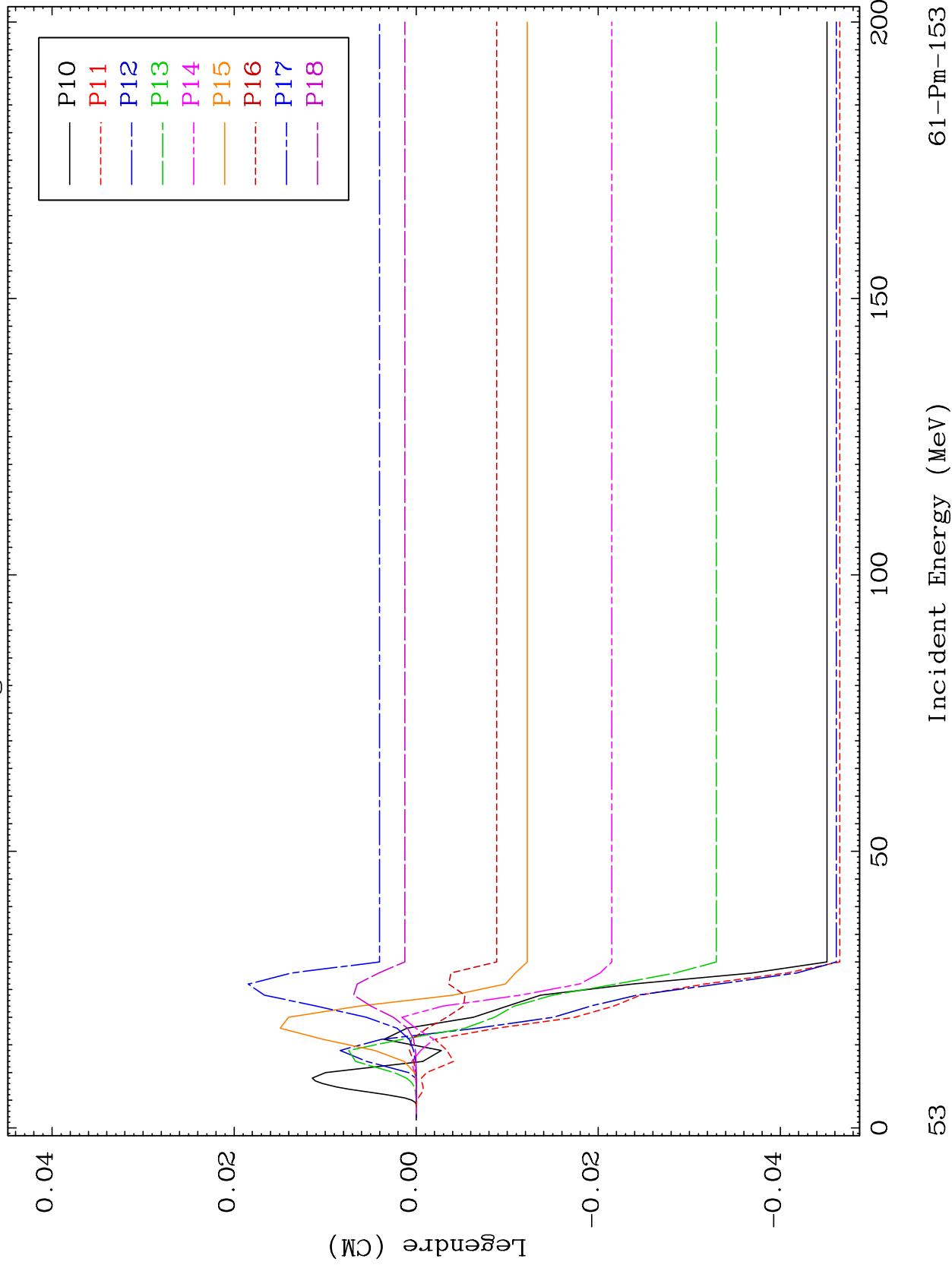


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MAT 6167

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

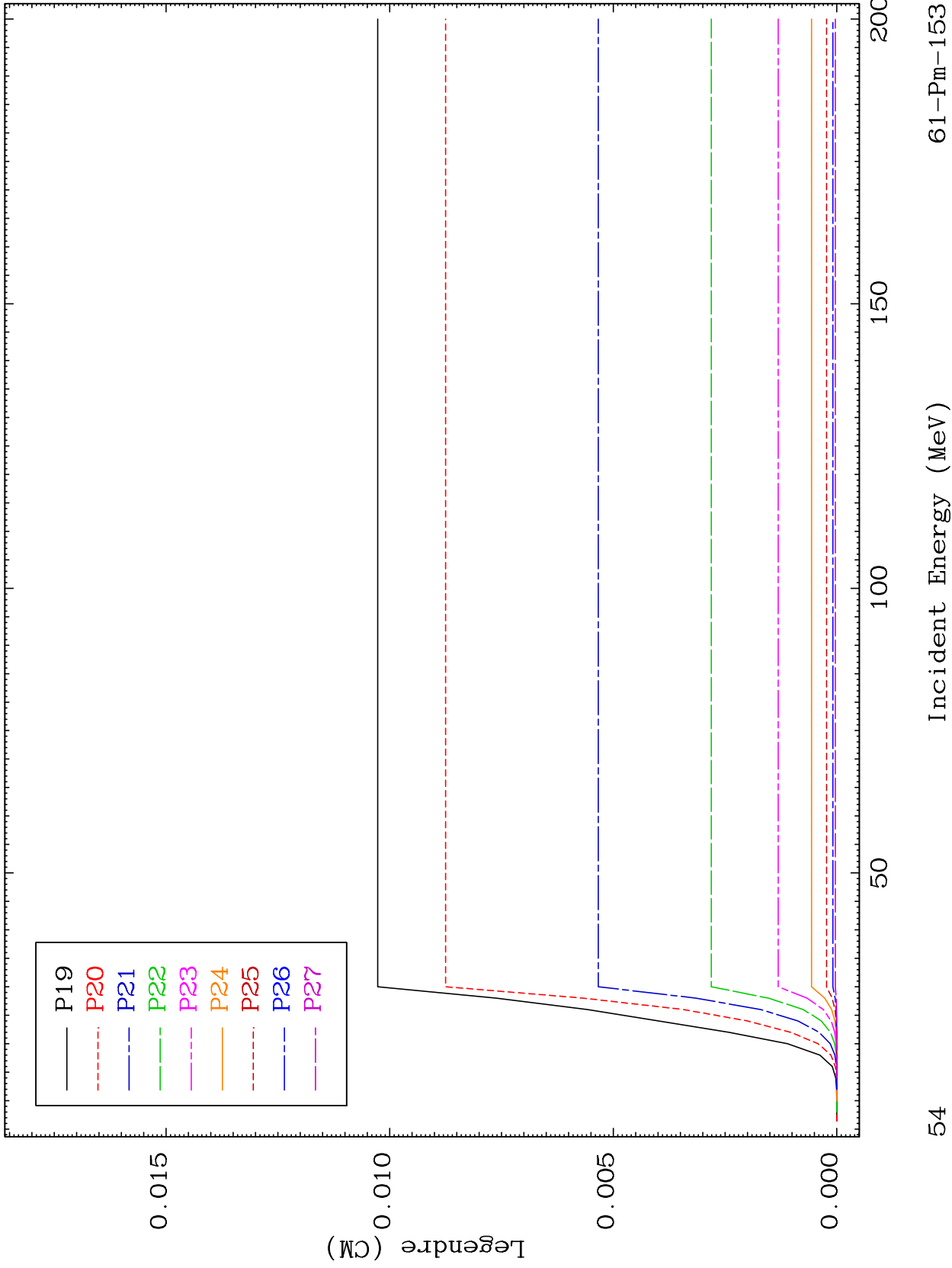
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61-Pm-153

Incident Energy (MeV)

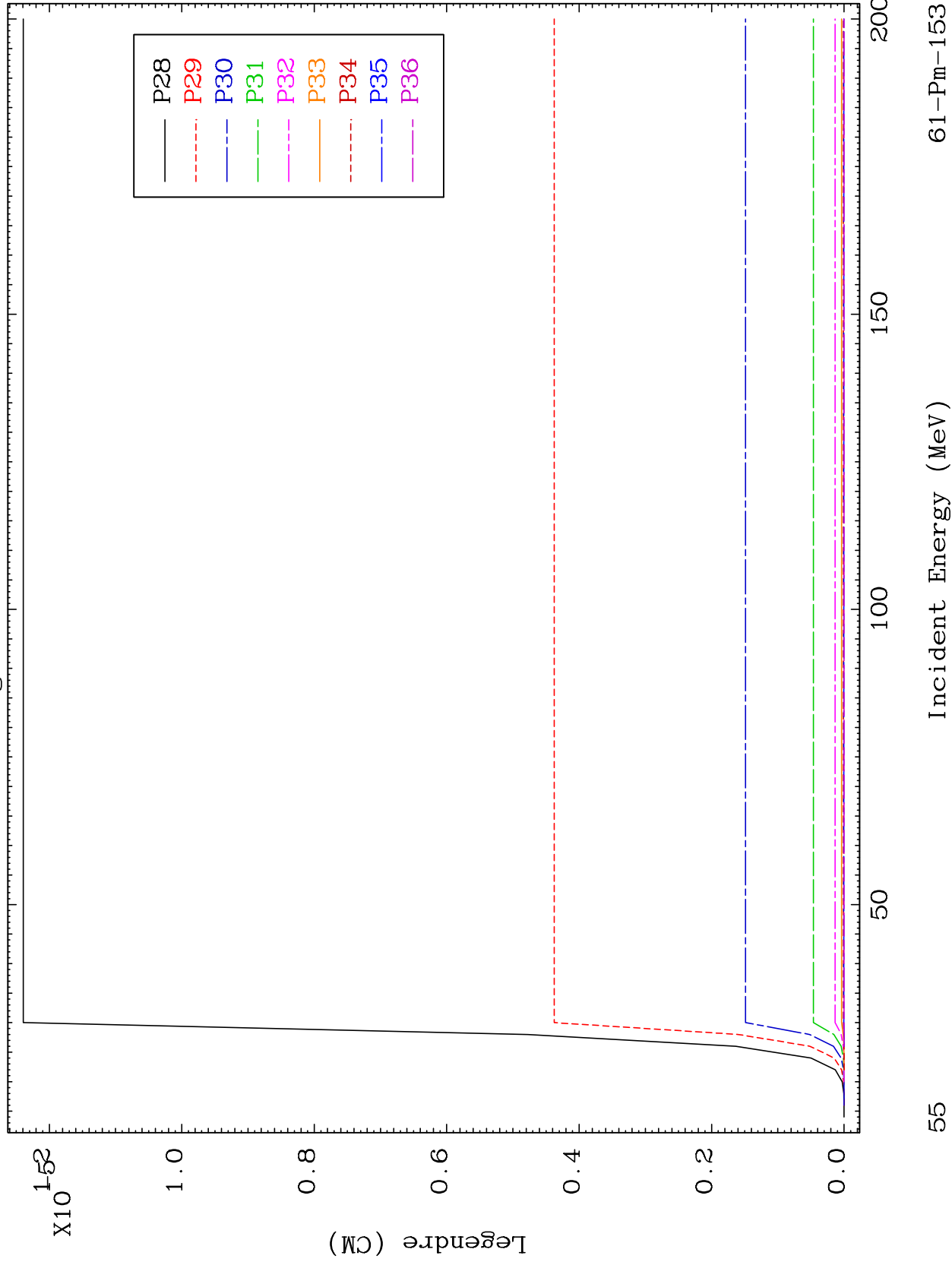
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MAT 6167

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

61-Pm-153



55

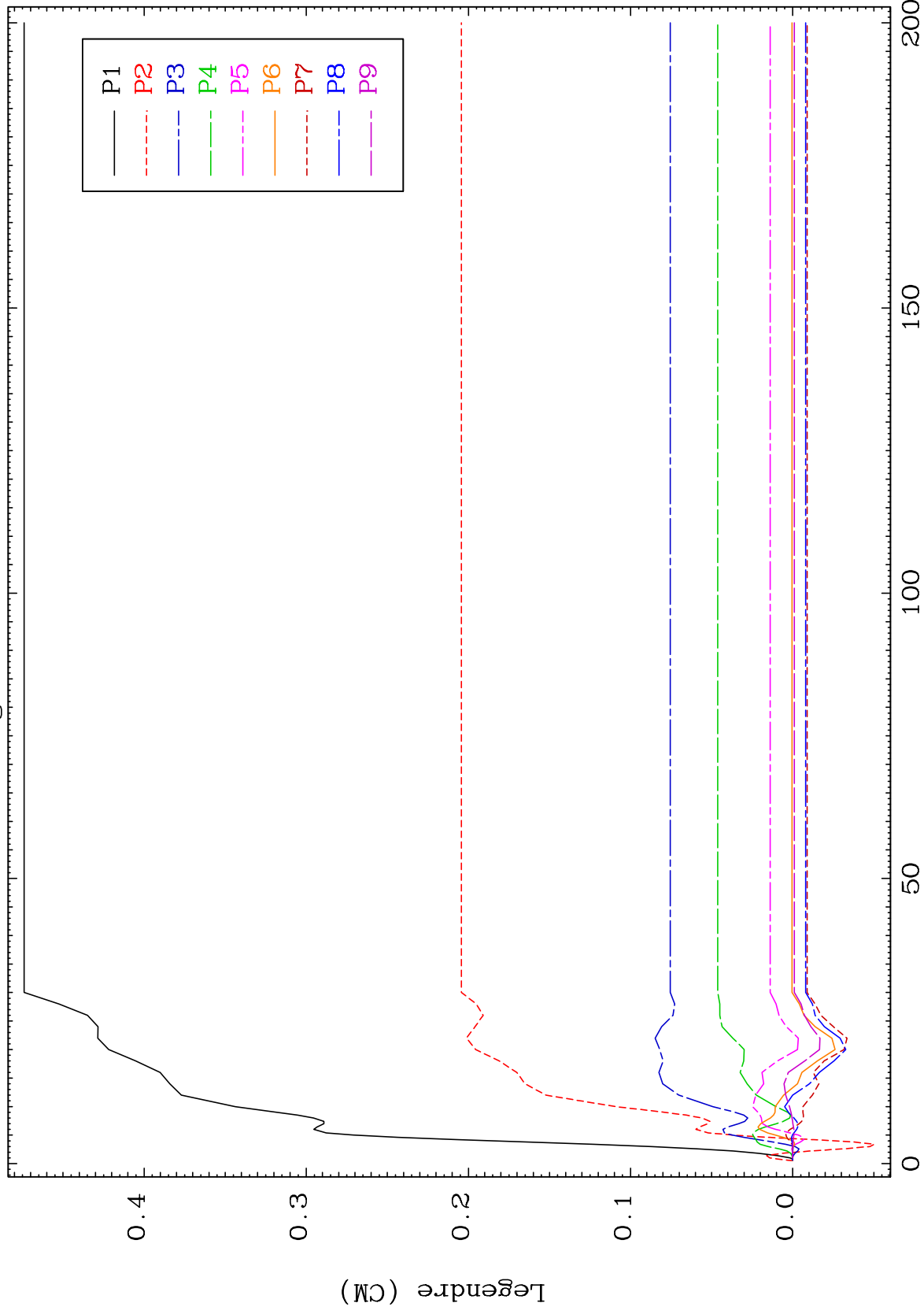
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



56

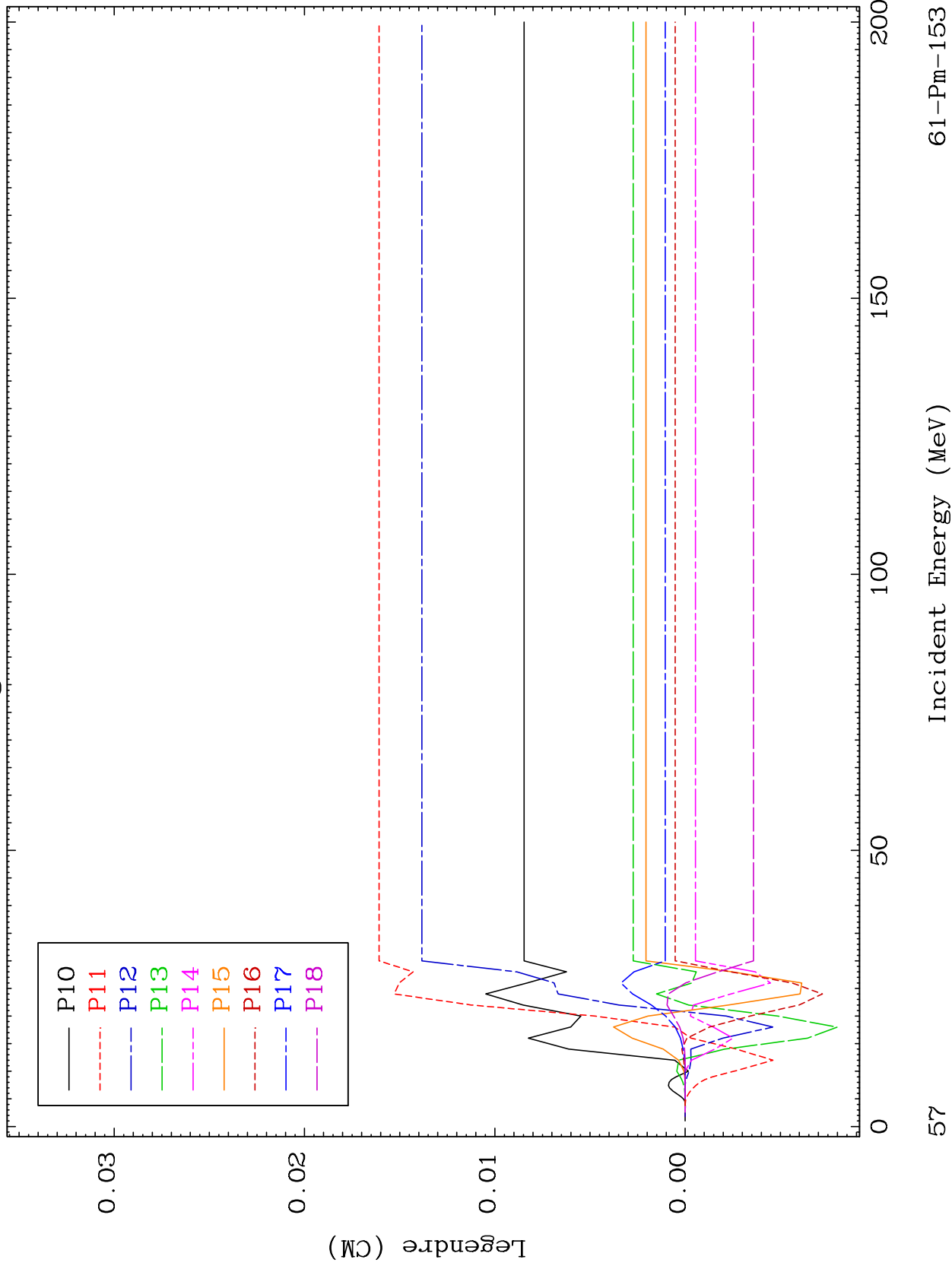
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

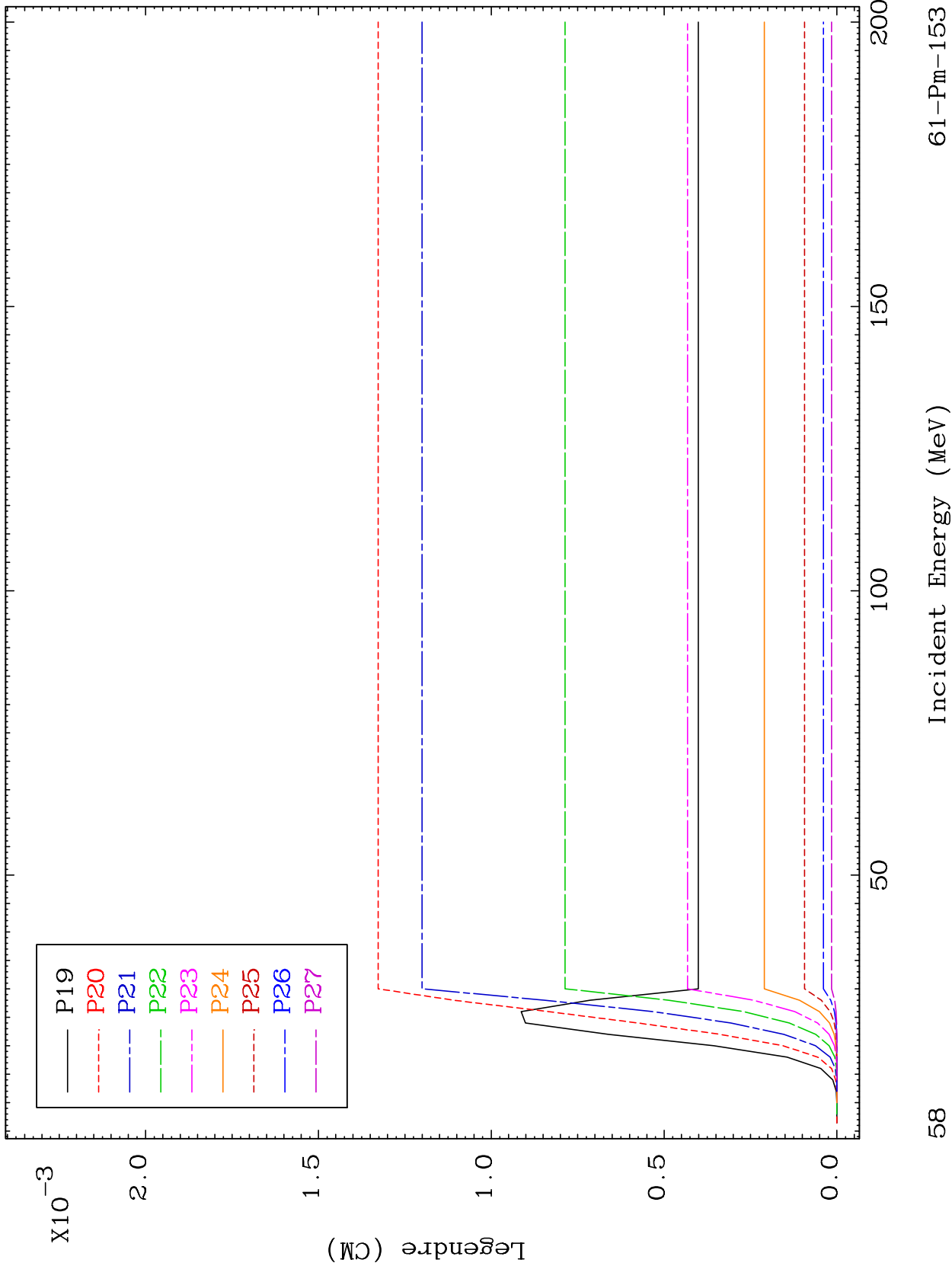
61-Pm-153



61-Pm-153

Incident Energy (MeV)

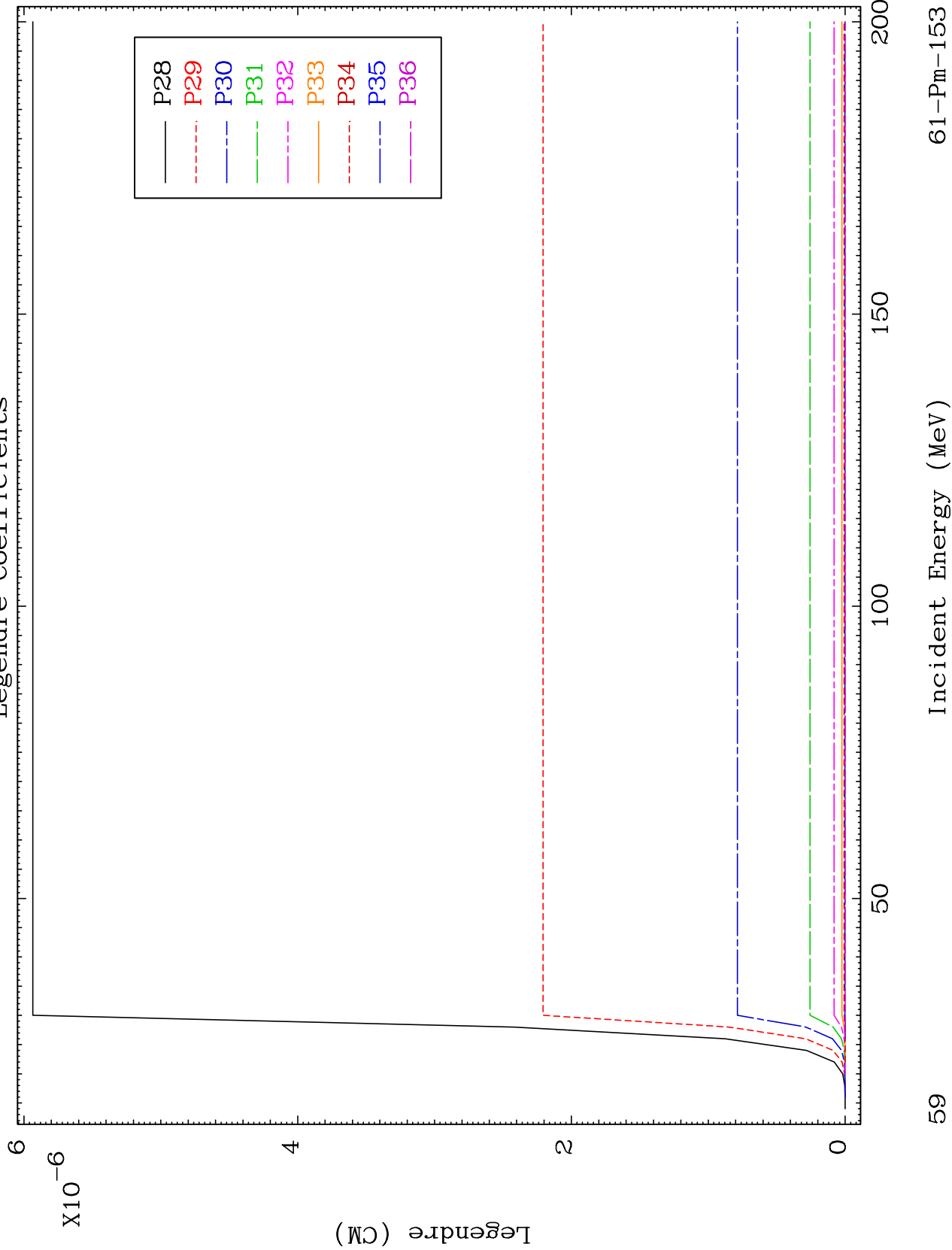
57



MAT 6167

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

61-Pm-153



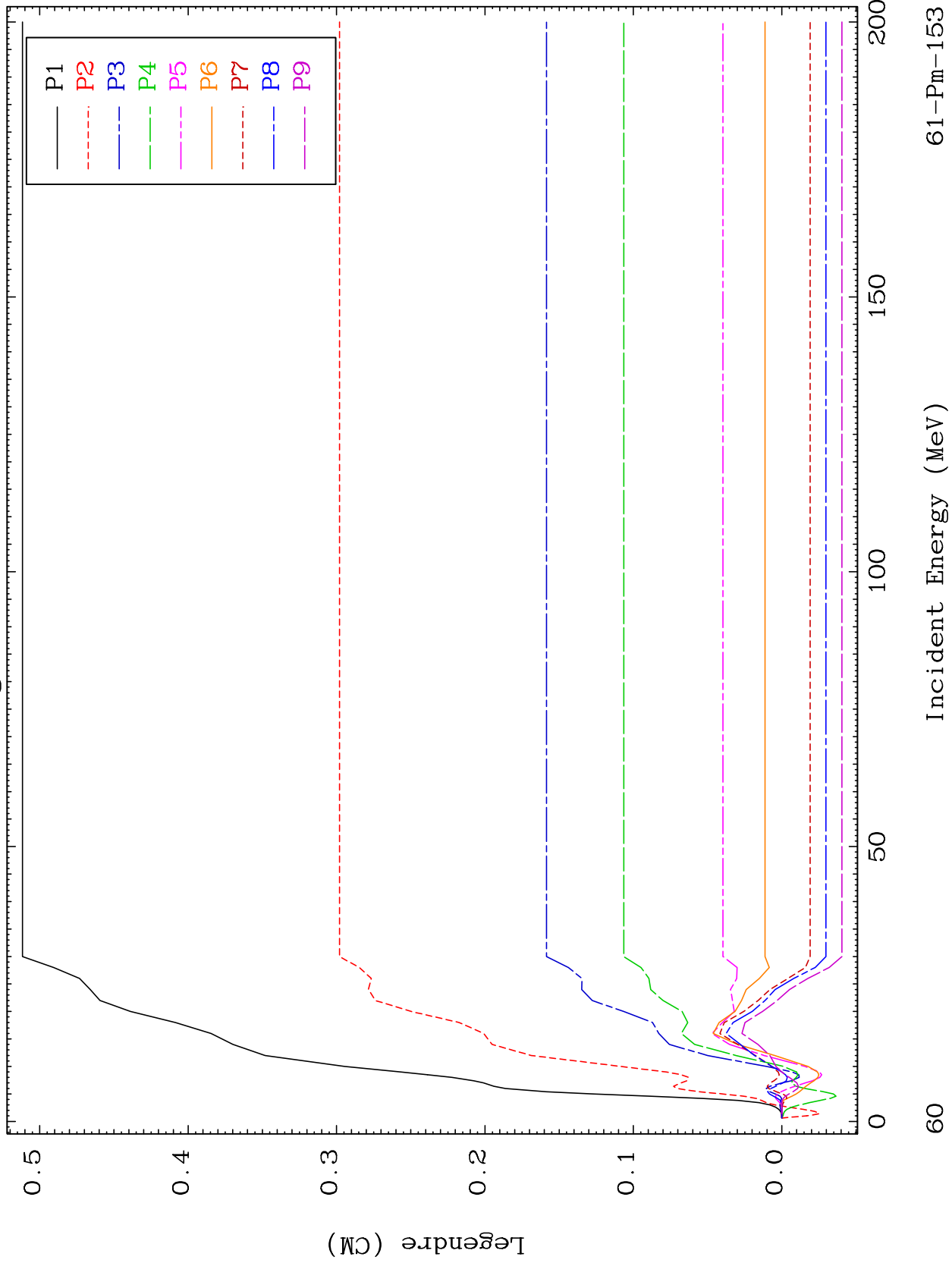
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61-Pm-153

MAT 6167

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

61-Pm-153

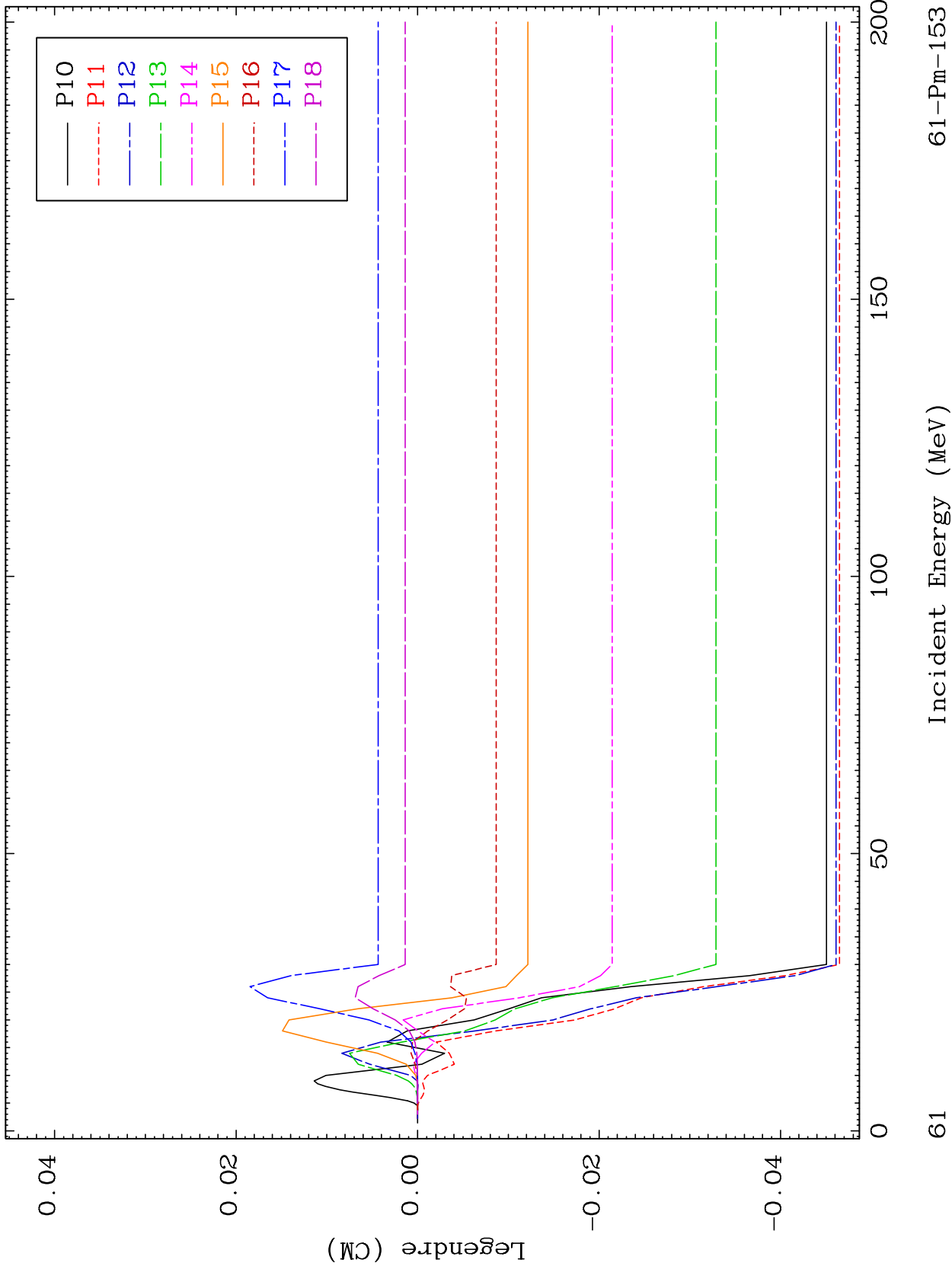


61-Pm-153

MAT 6167

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

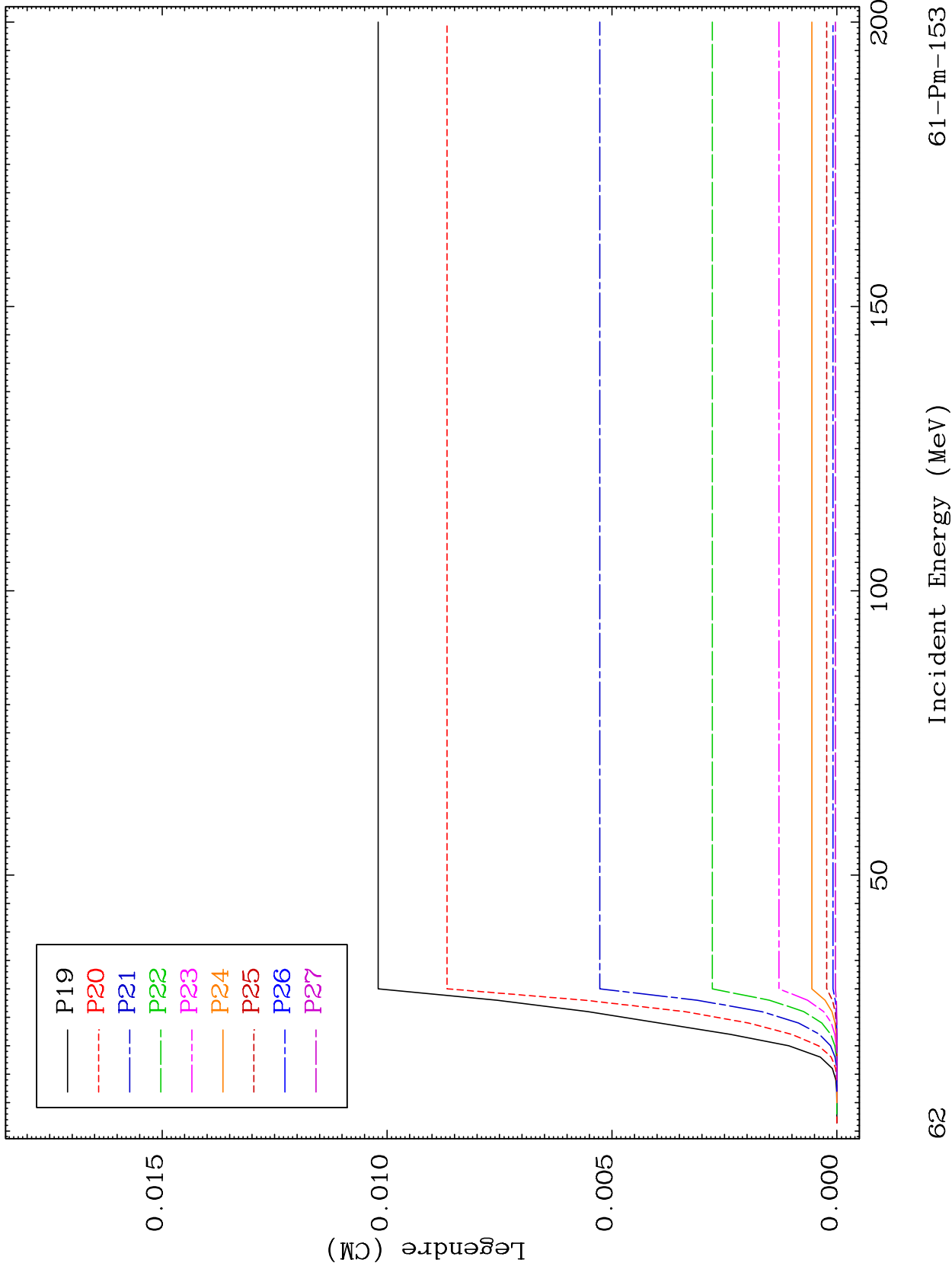
61-Pm-153



61-Pm-153

Incident Energy (MeV)

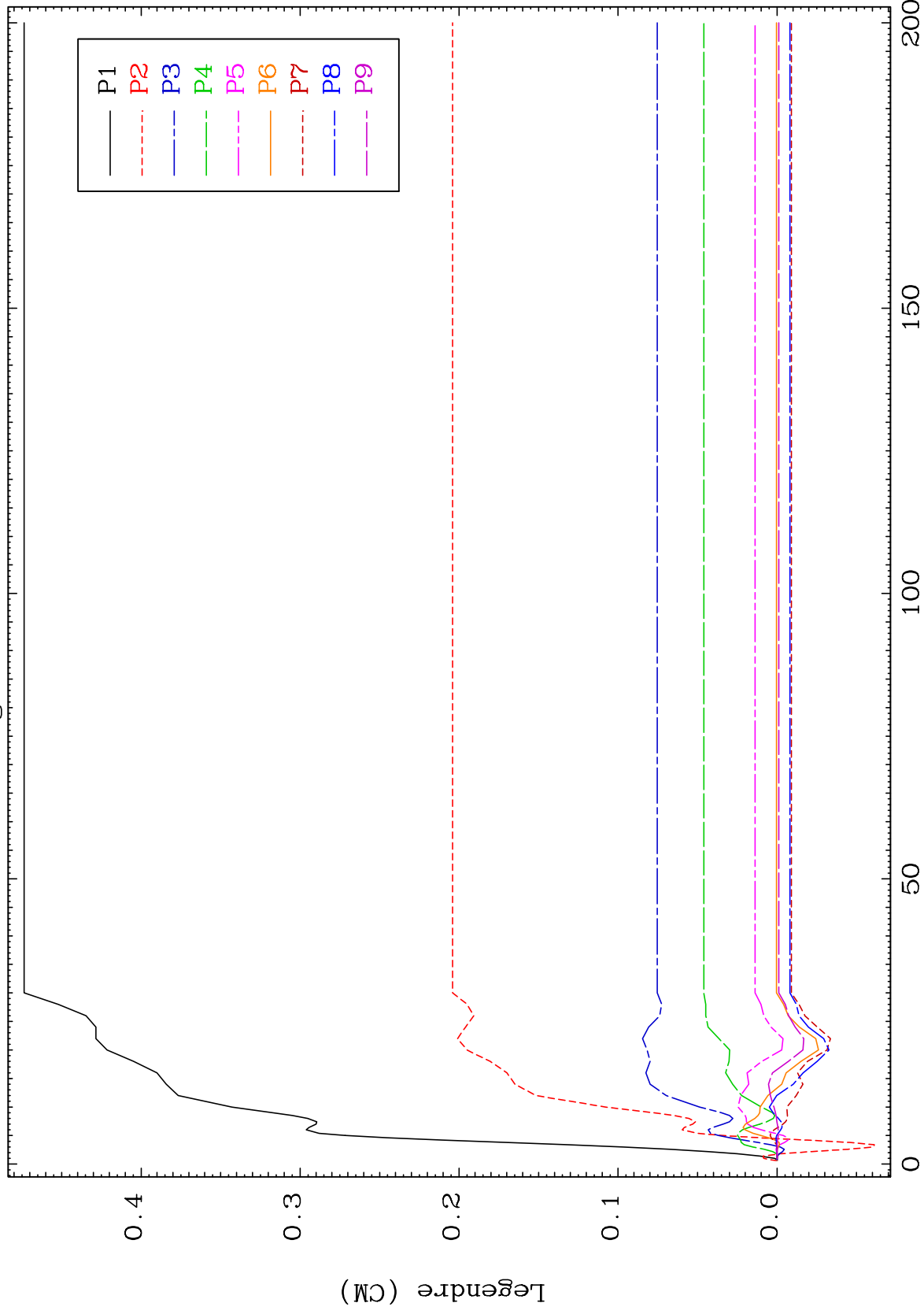
61



MAT 6167

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

61-Pm-153



64

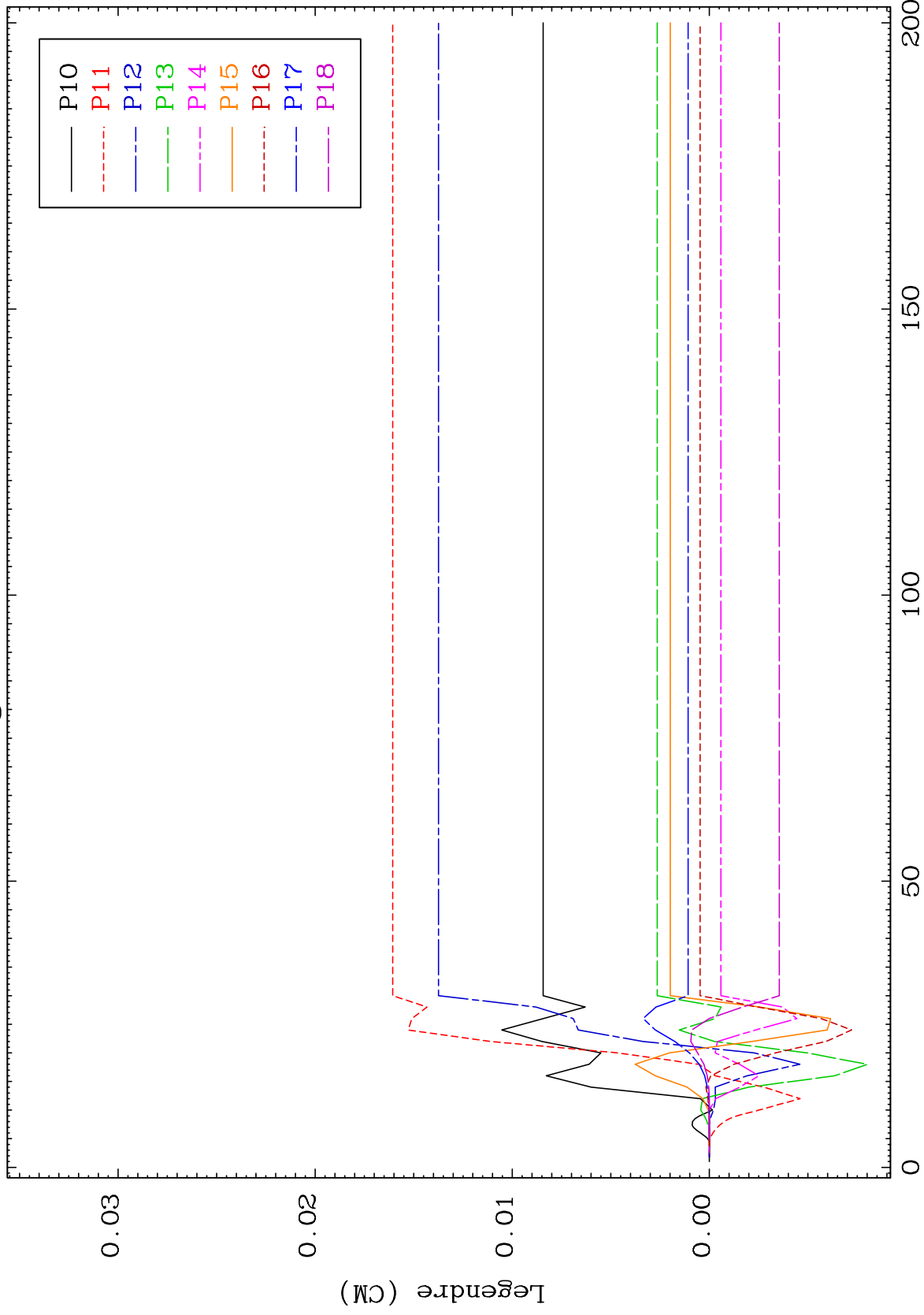
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

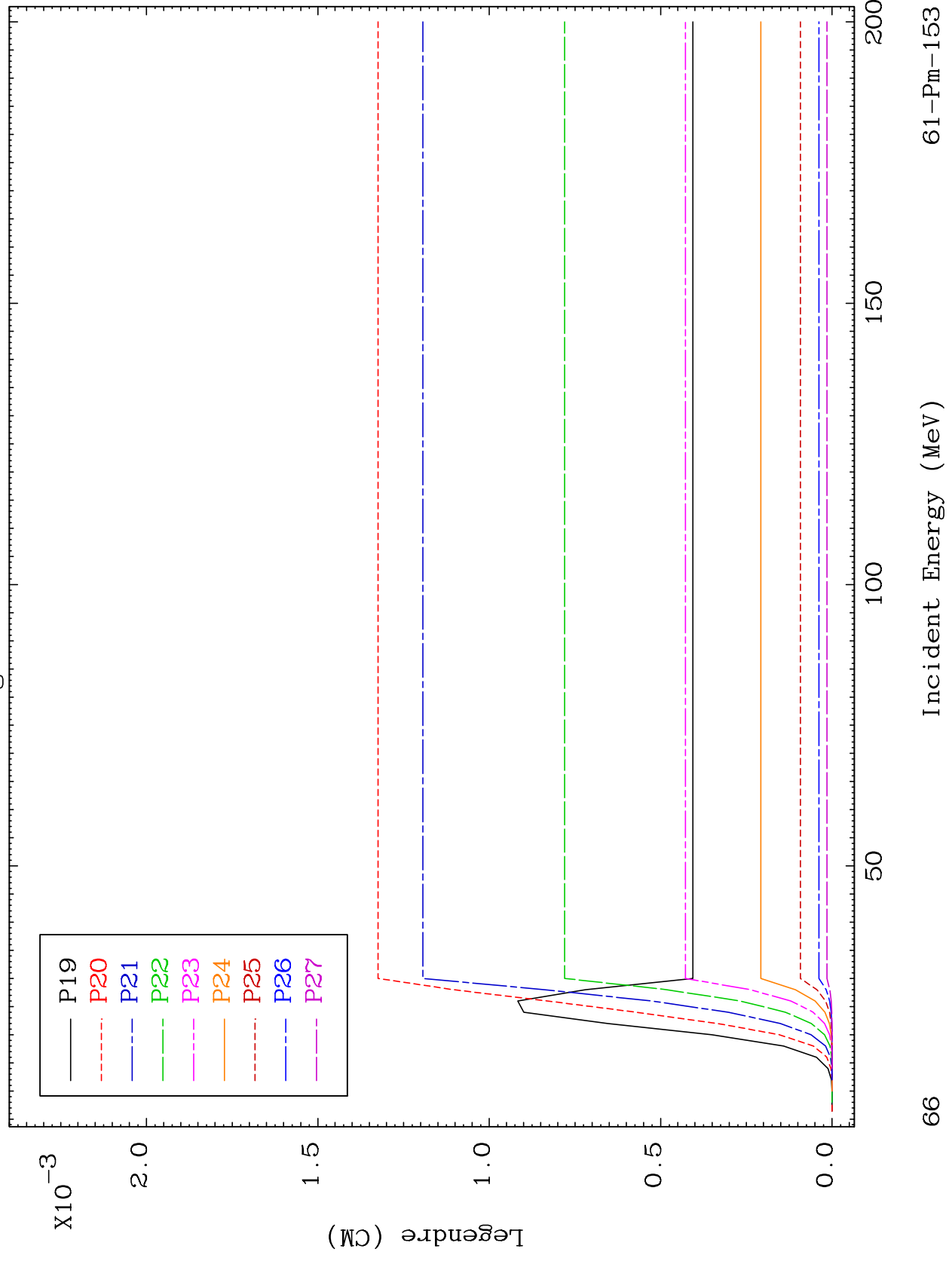
61-Pm-153



65

Incident Energy (MeV)

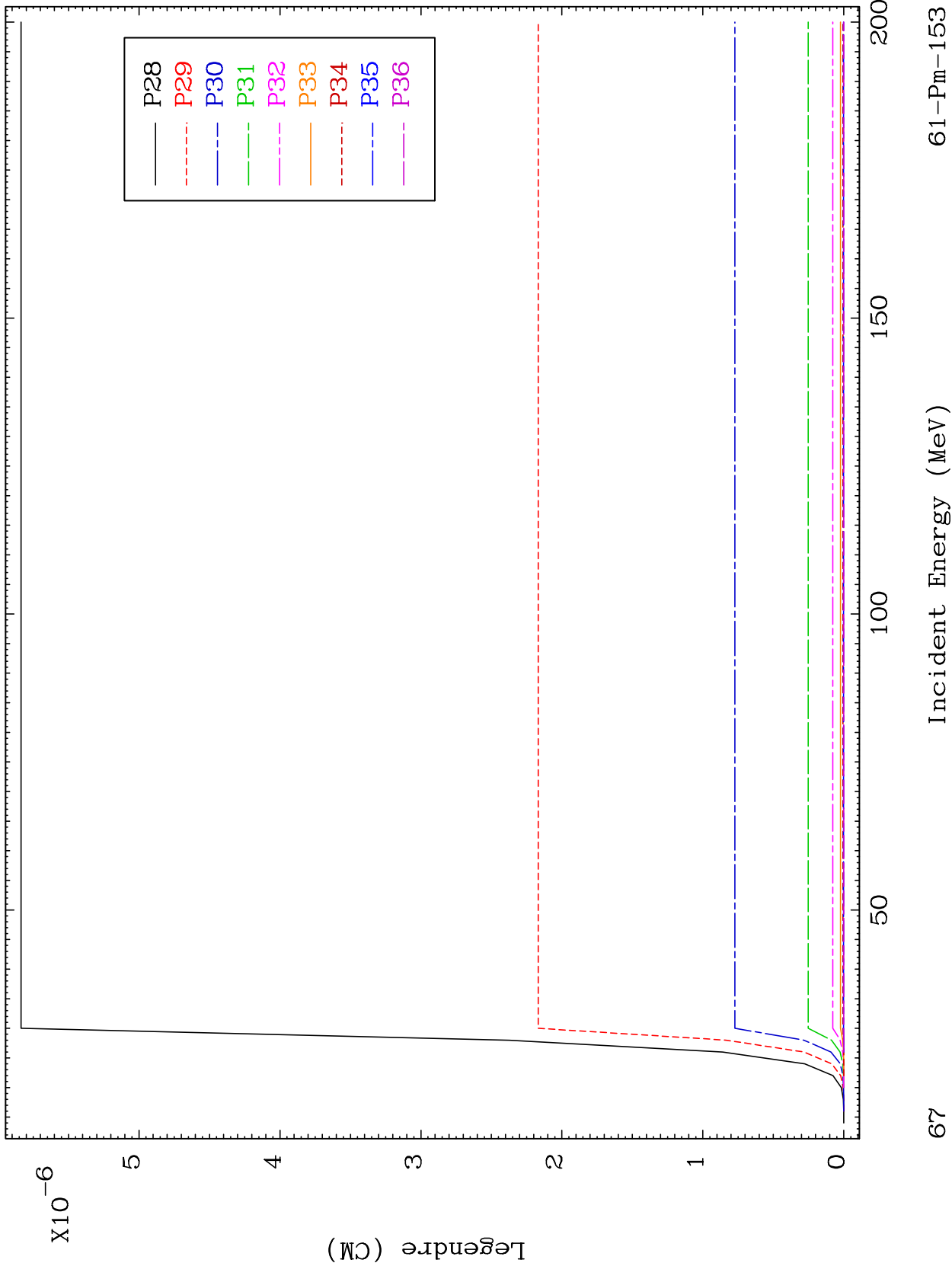
61-Pm-153



MAT 6167

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

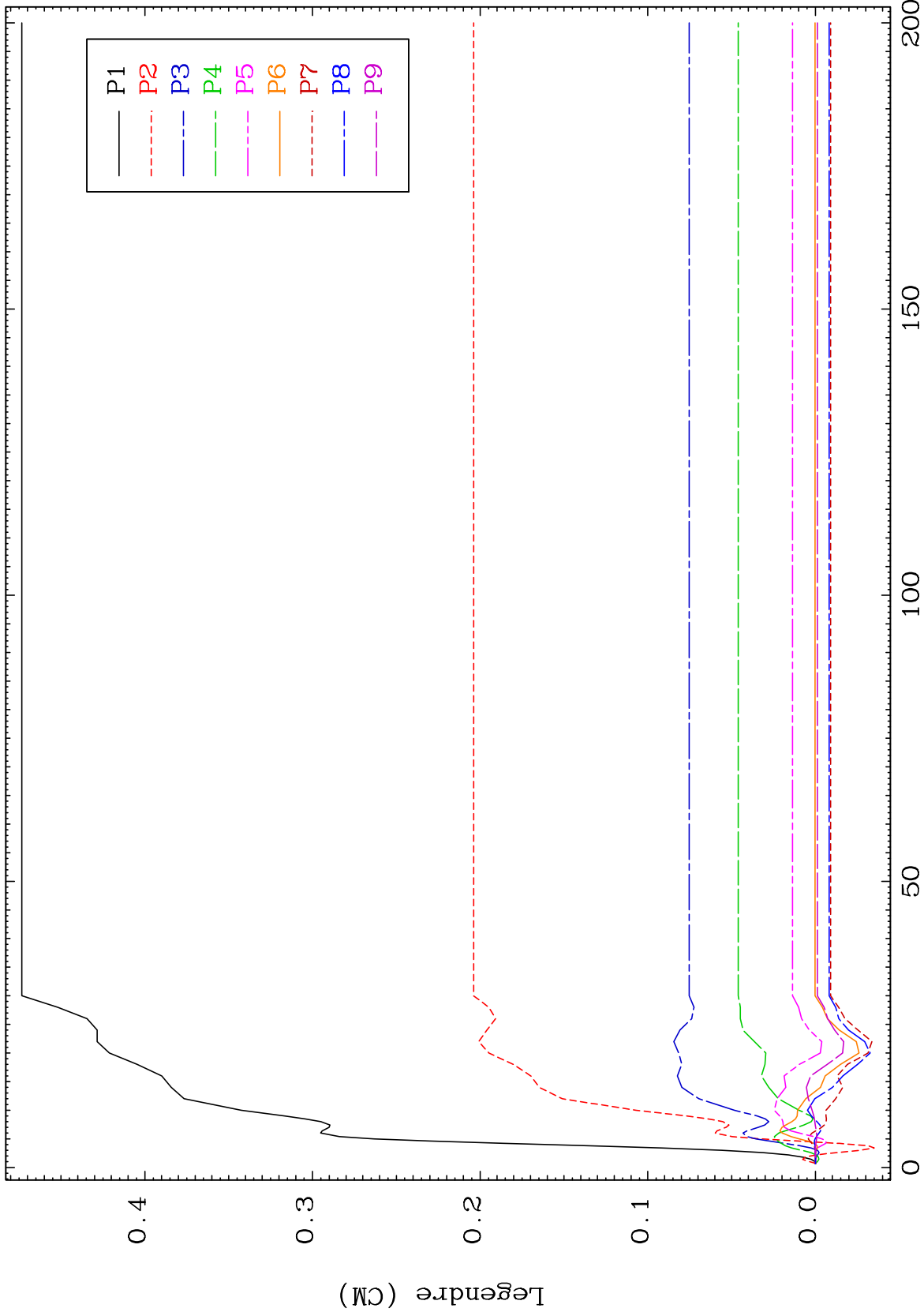
61-Pm-153



MAT 6167

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

61-Pm-153



61-Pm-153

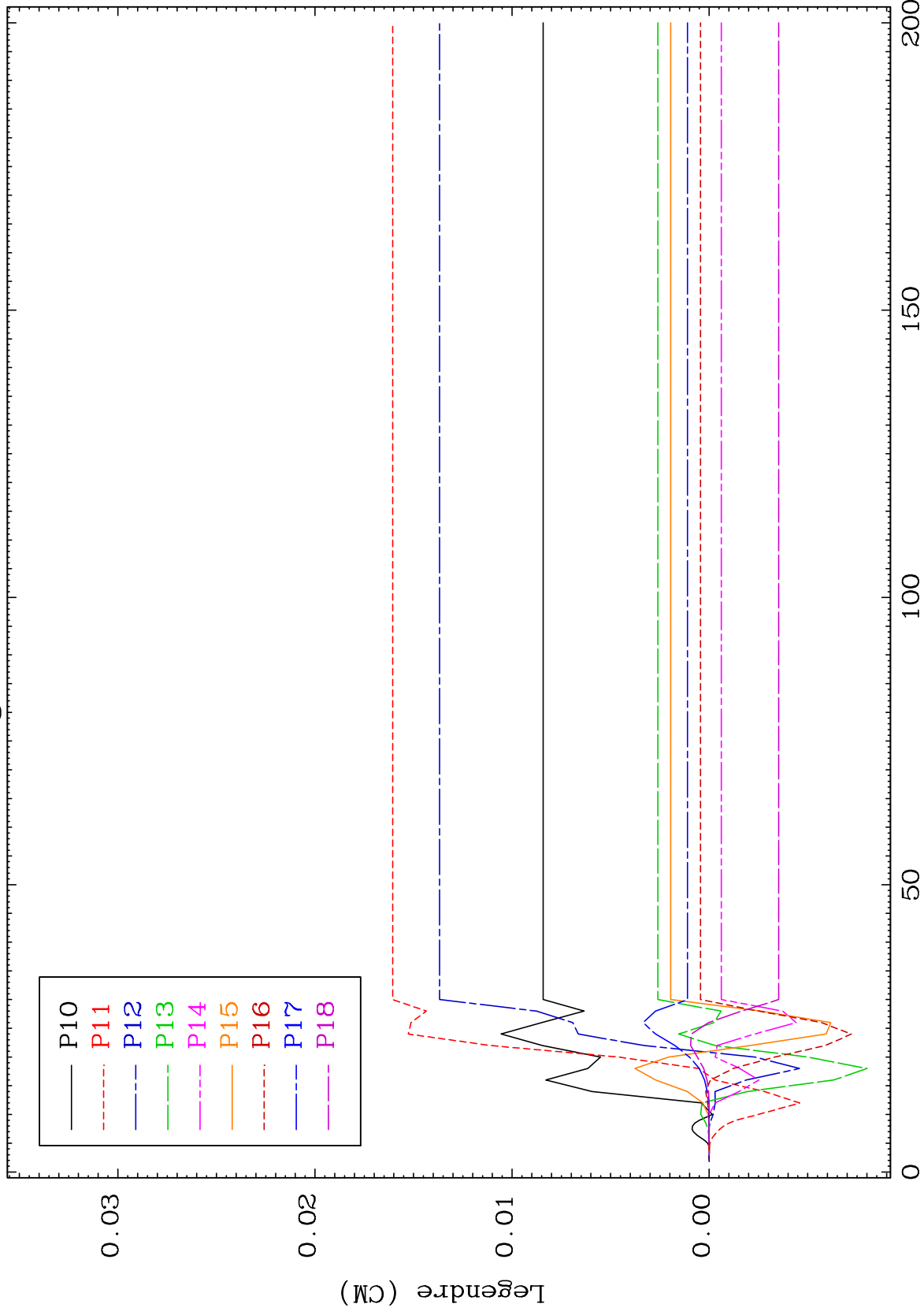
Incident Energy (MeV)

68

MAT 61677

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

61-Pm-153



69

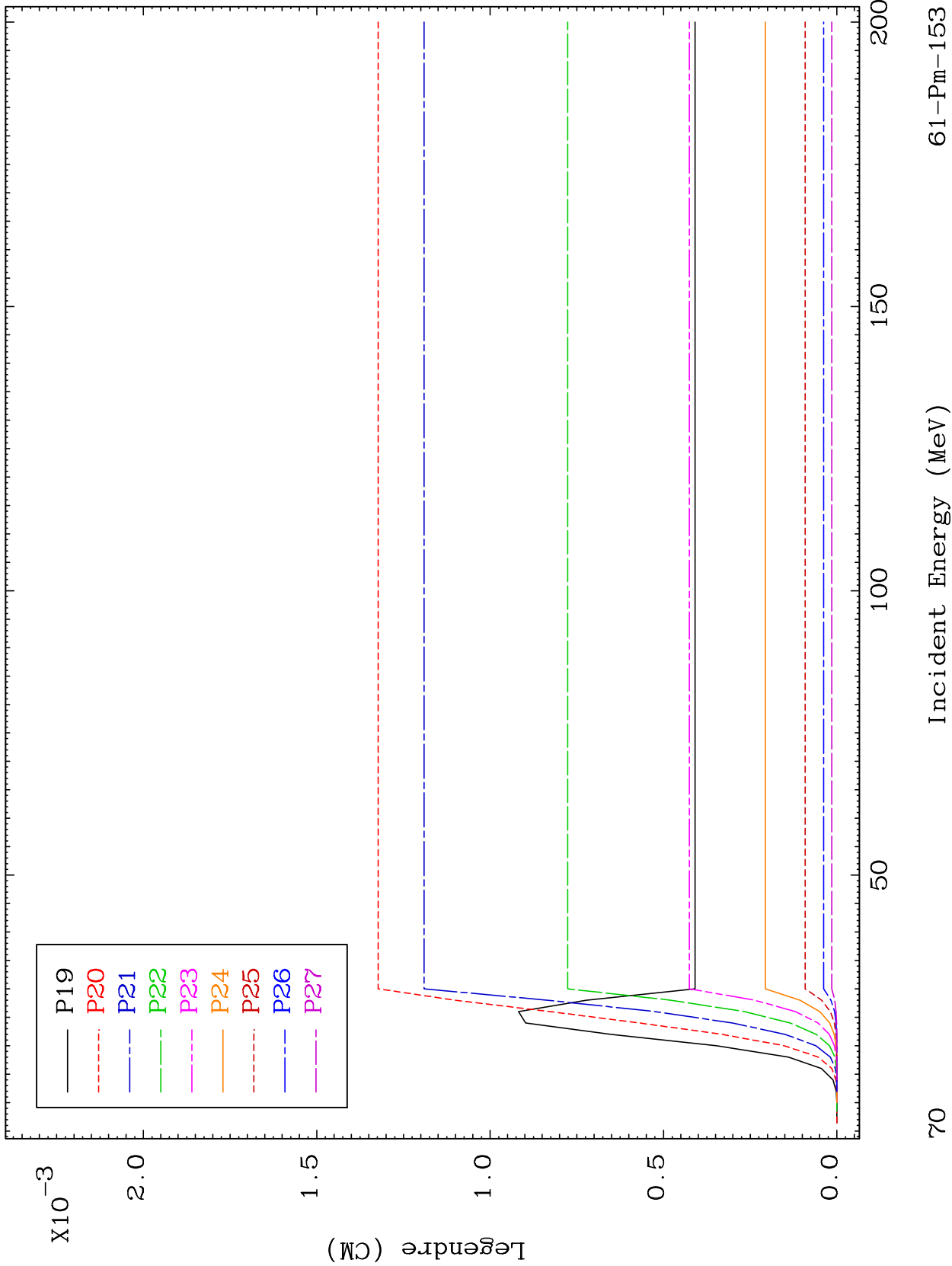
Incident Energy (MeV)

61-Pm-153

MAT 61677

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

61-Pm-153



70

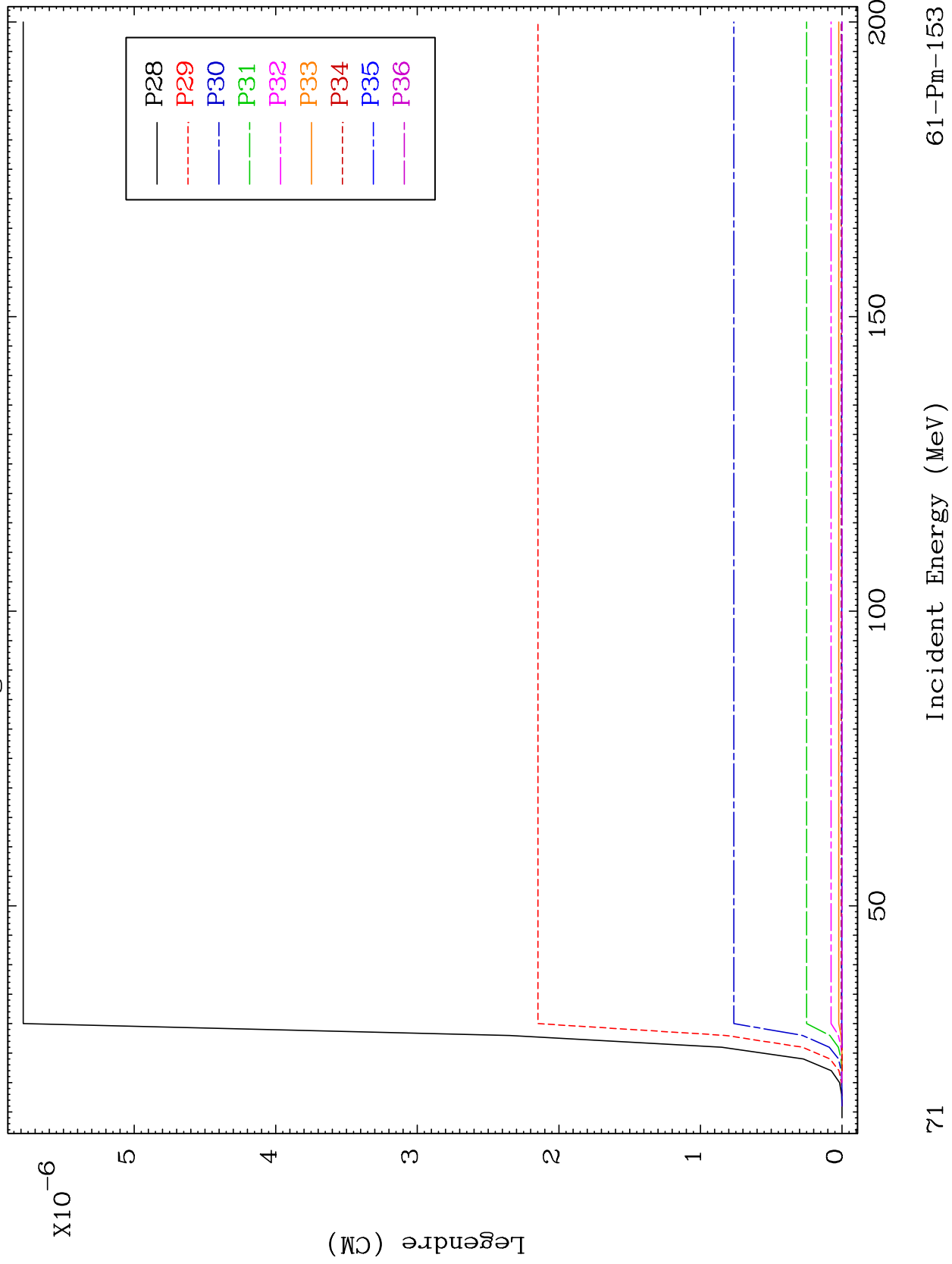
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

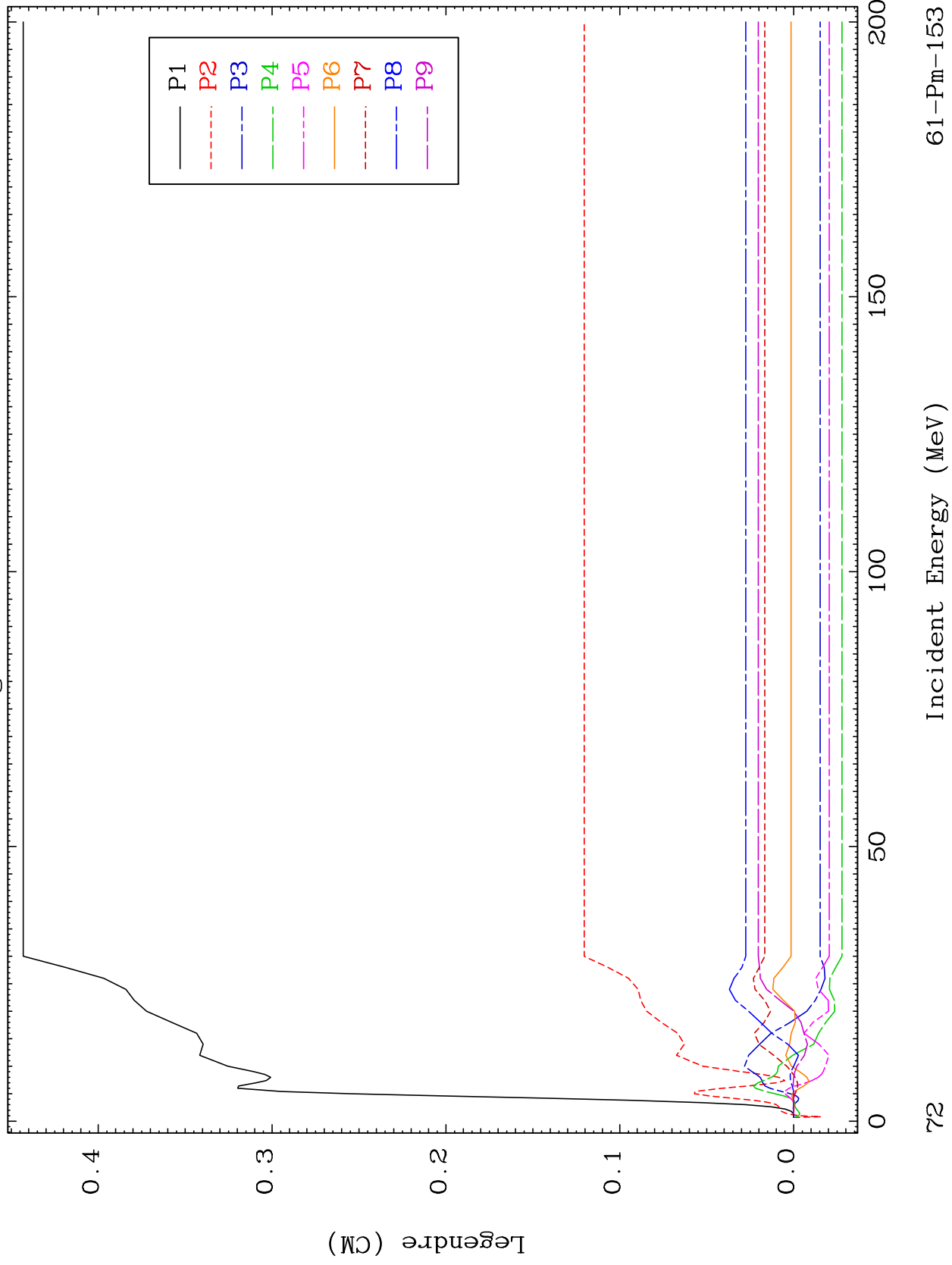
61-Pm-153



MAT 6167

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

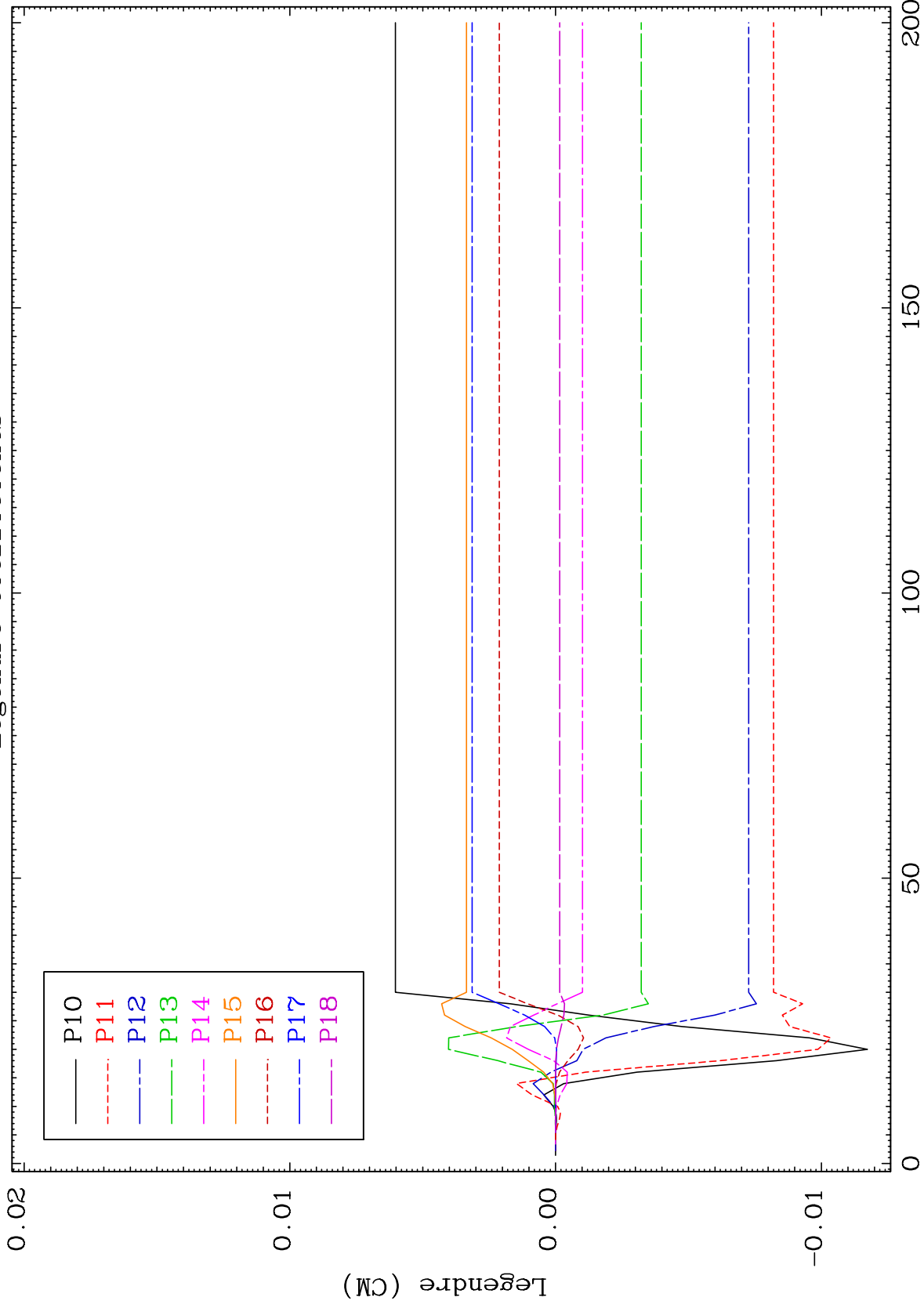
61-Pm-153



MAT 61677

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

61-Pm-153



73

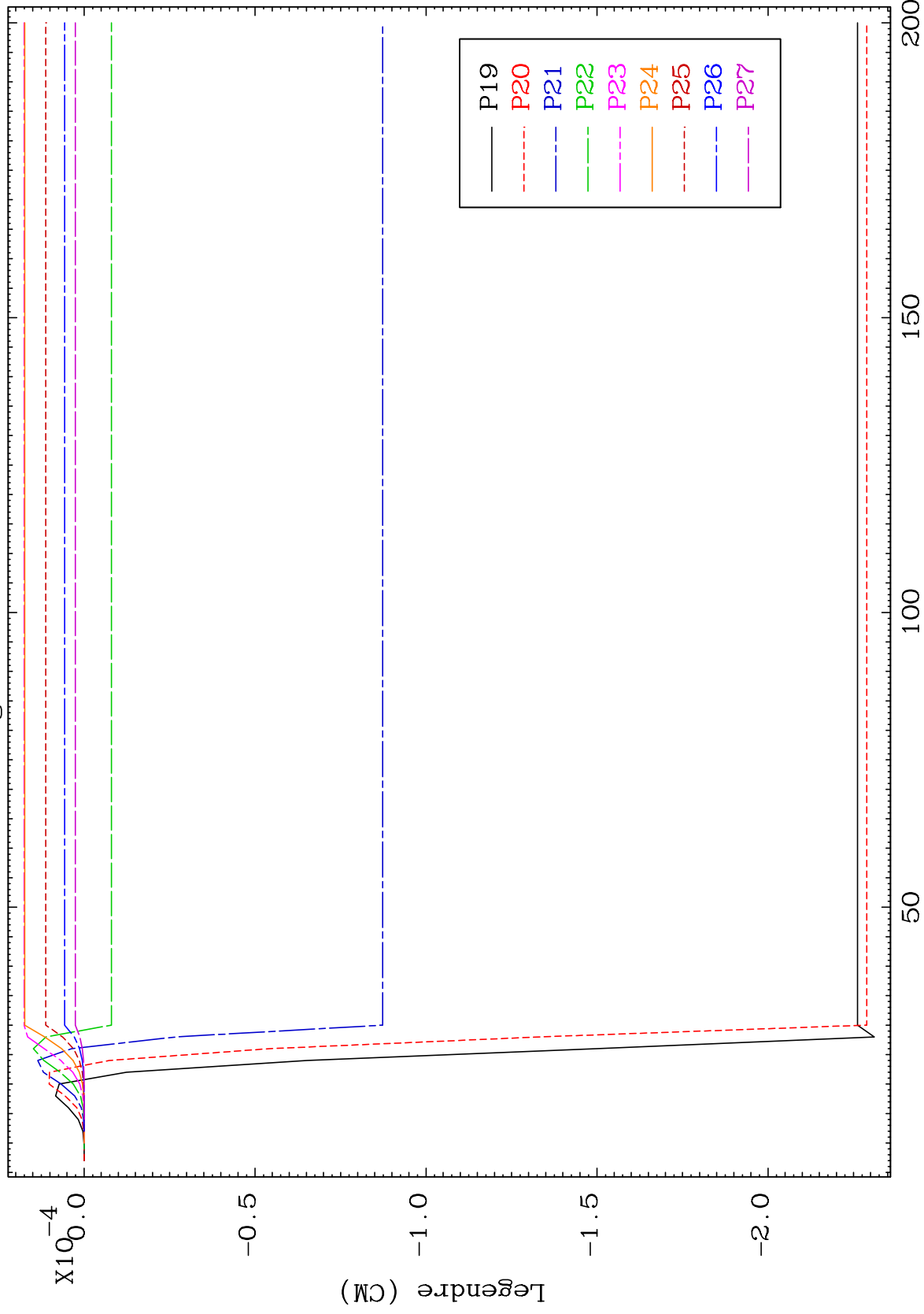
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



74

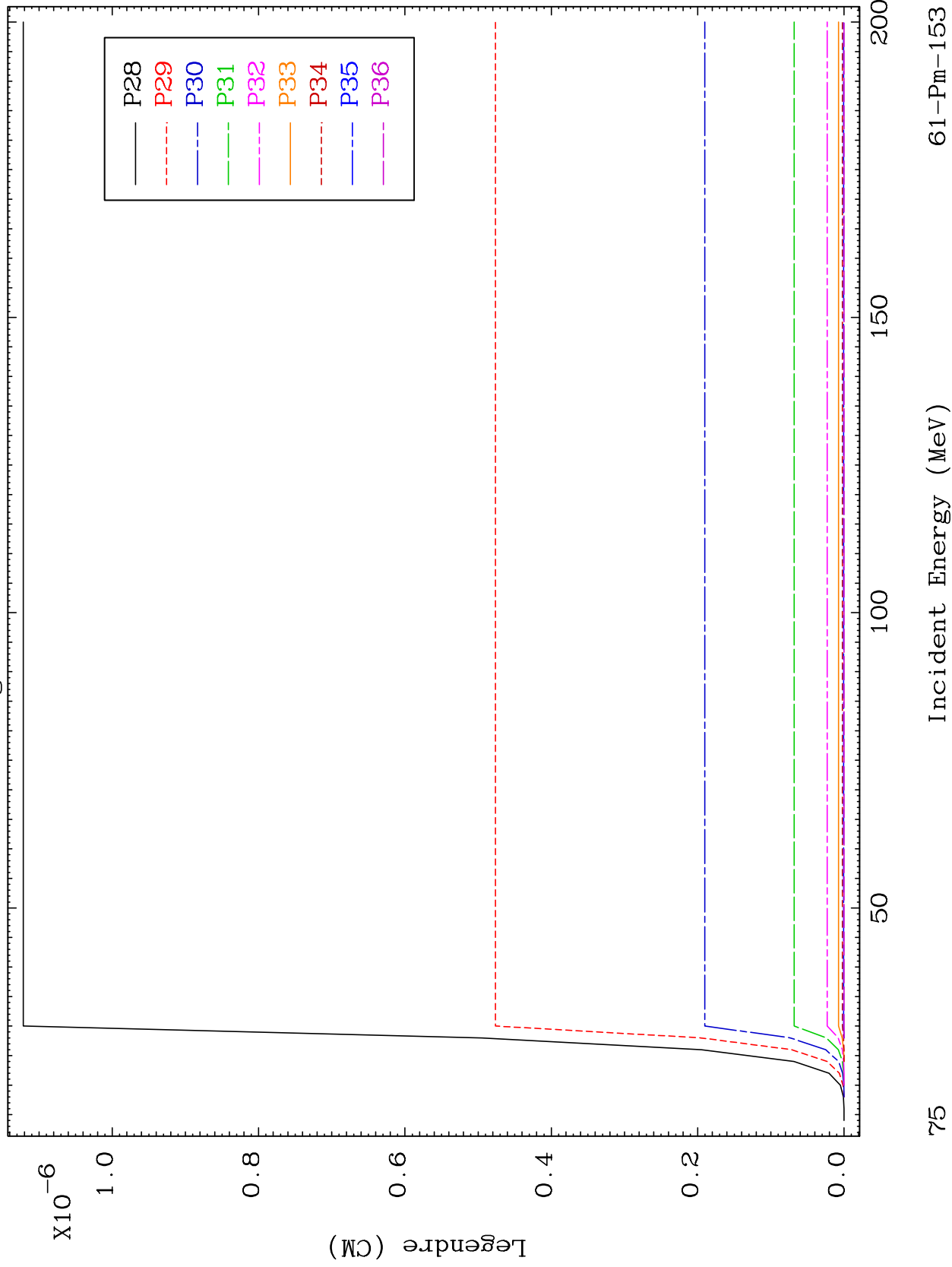
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



61-Pm-153

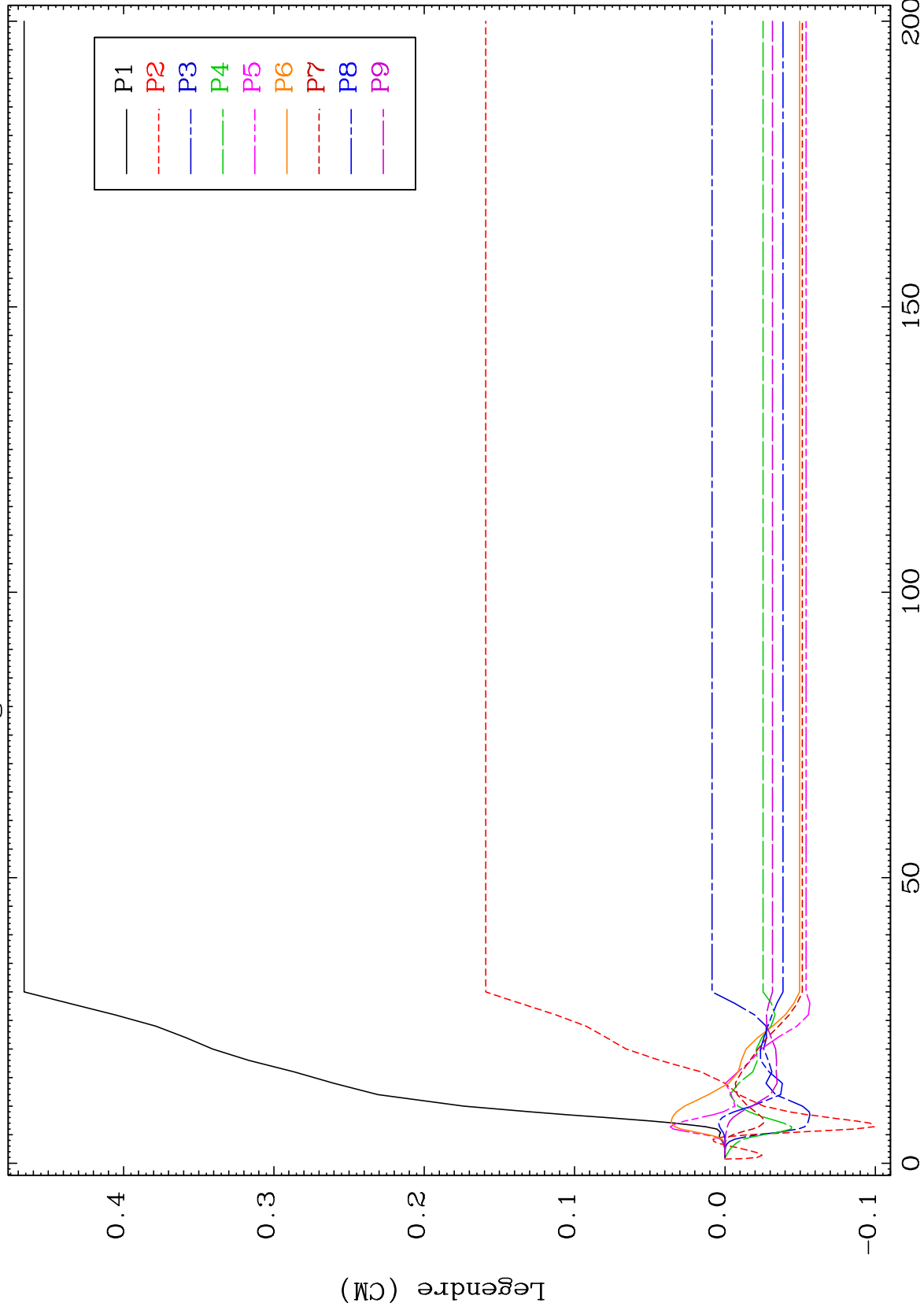
Incident Energy (MeV)

75

MAT 6167

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

61-Pm-153



76

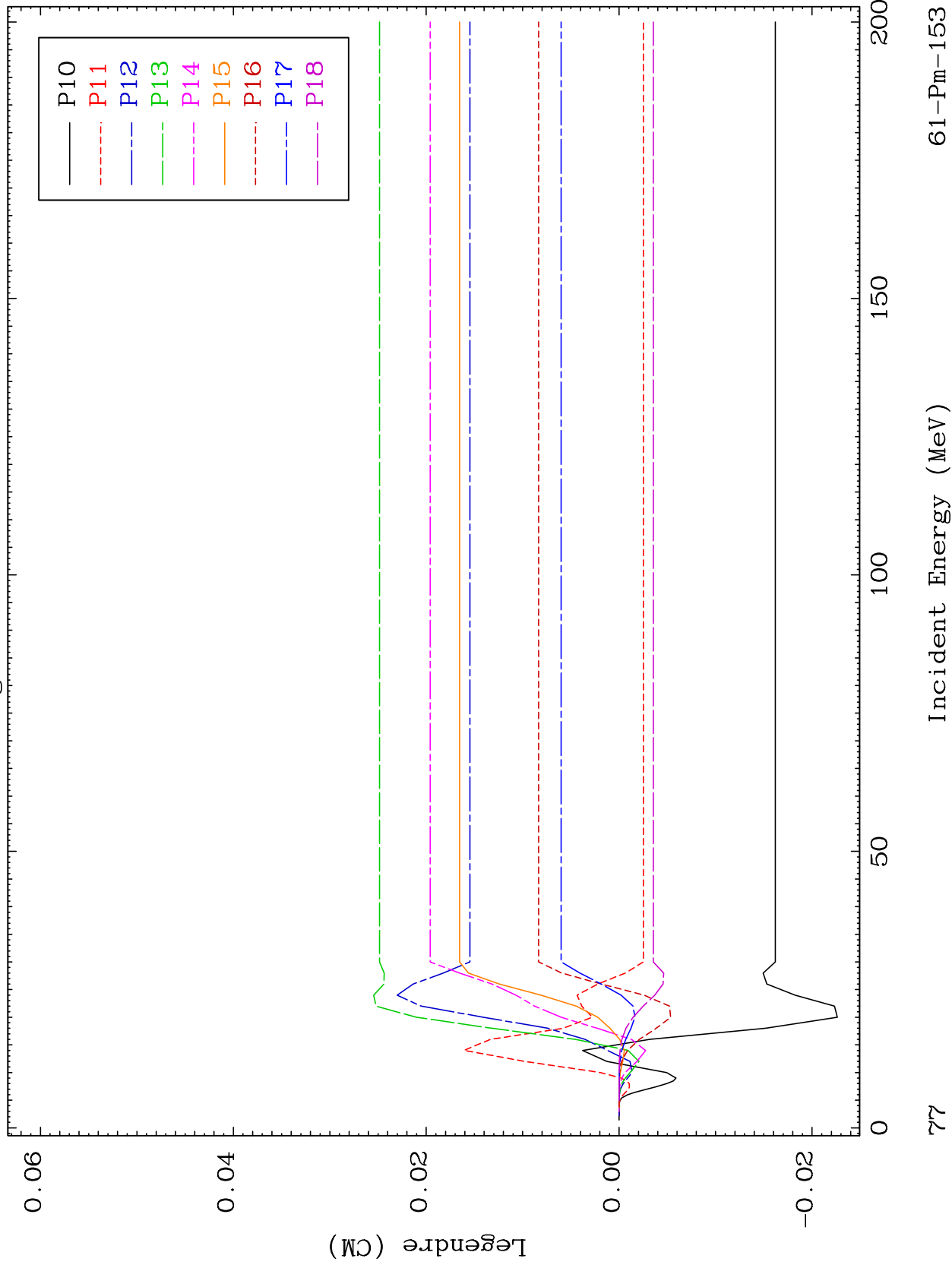
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



61-Pm-153

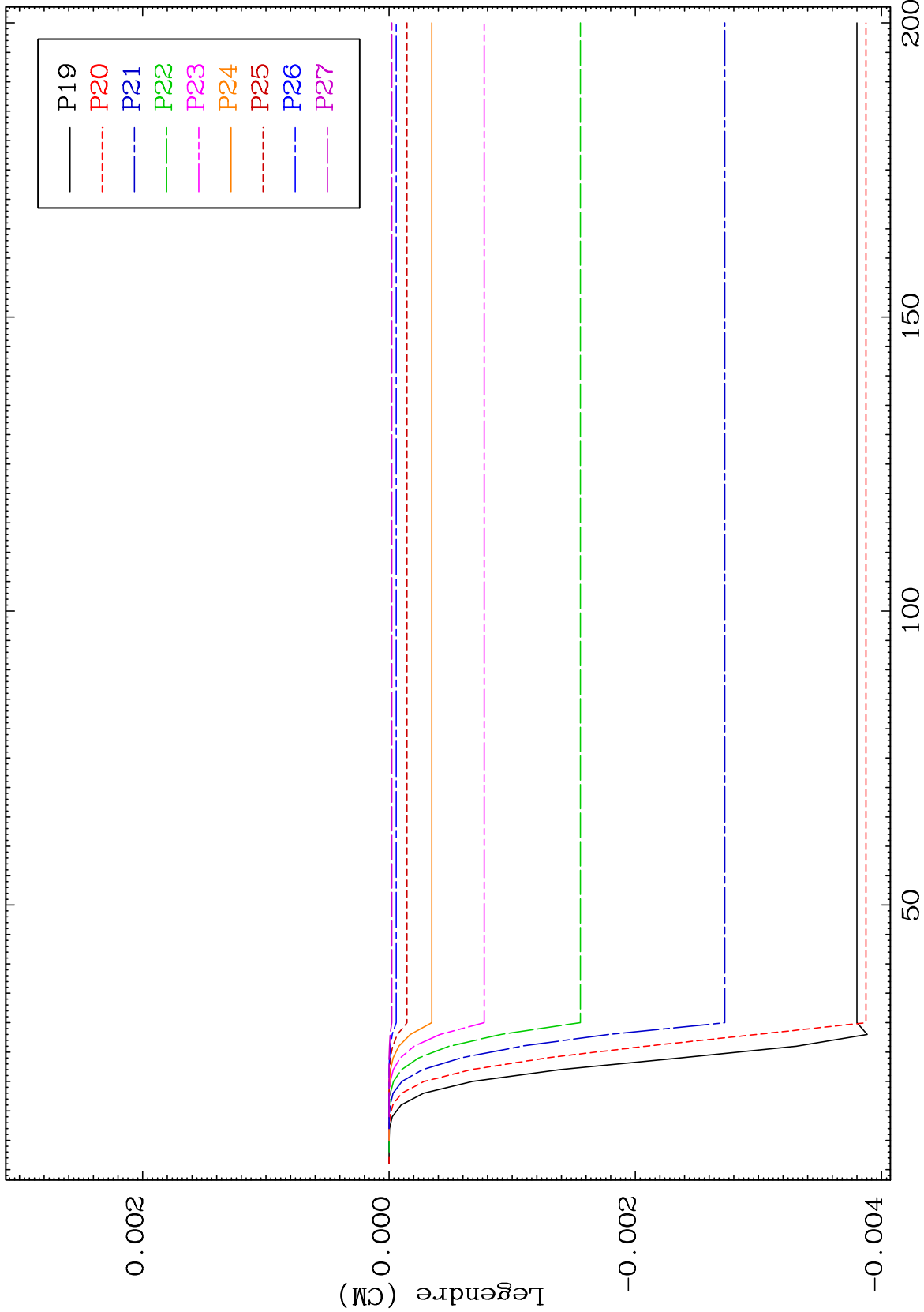
Incident Energy (MeV)

77

MAT 6167

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

61-Pm-153



78

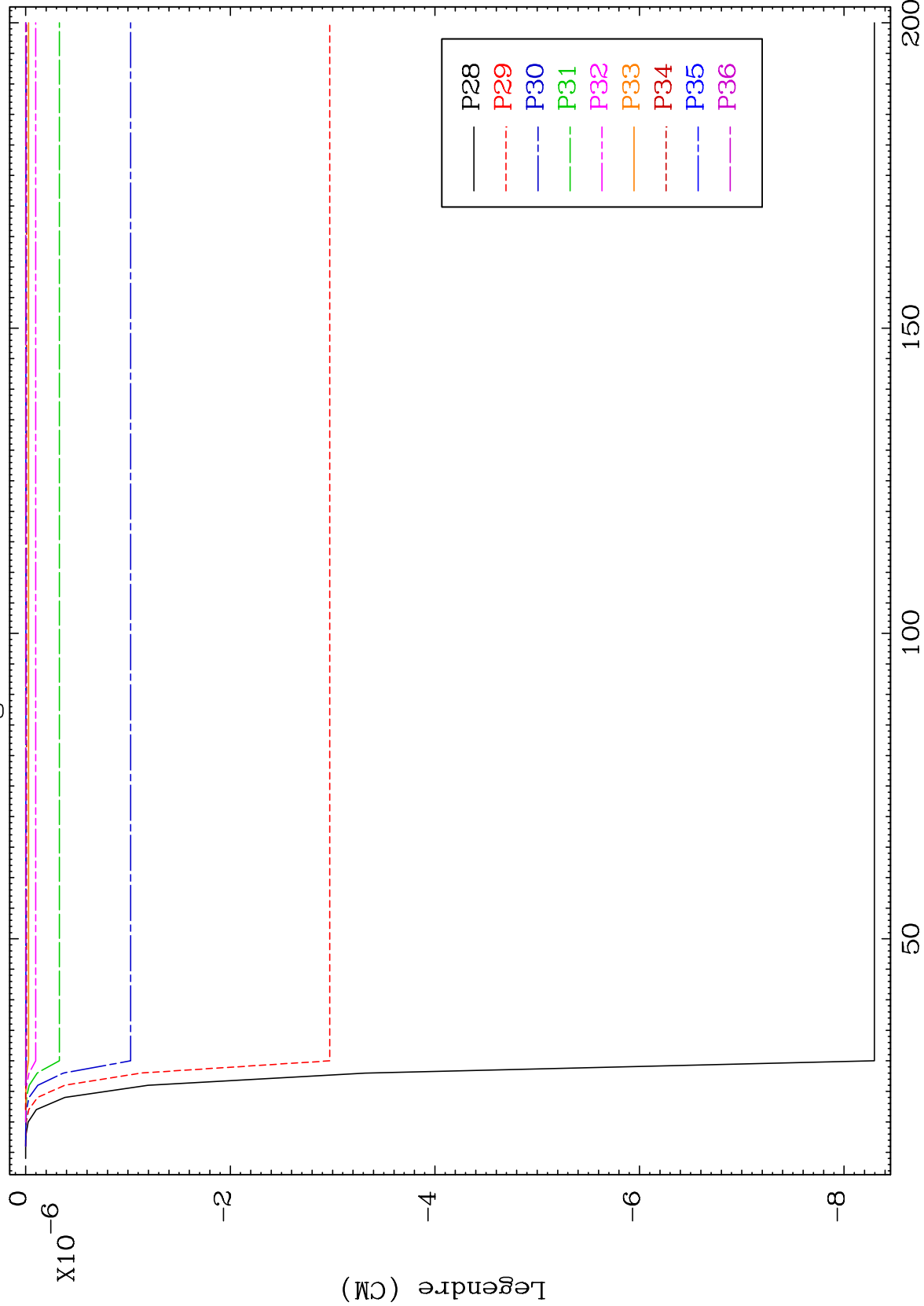
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



61-Pm-153

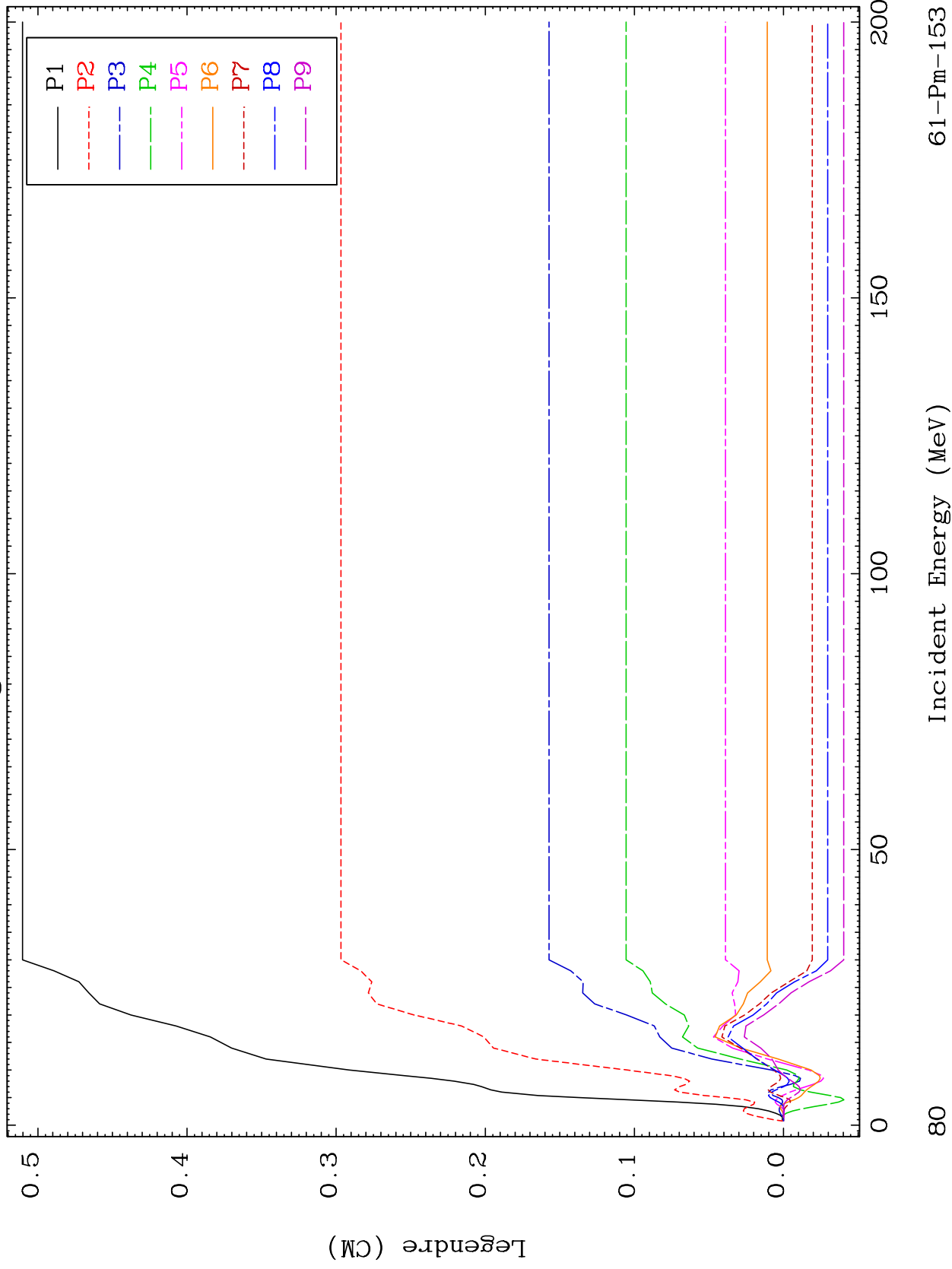
Incident Energy (MeV)

79

MAT 6167

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

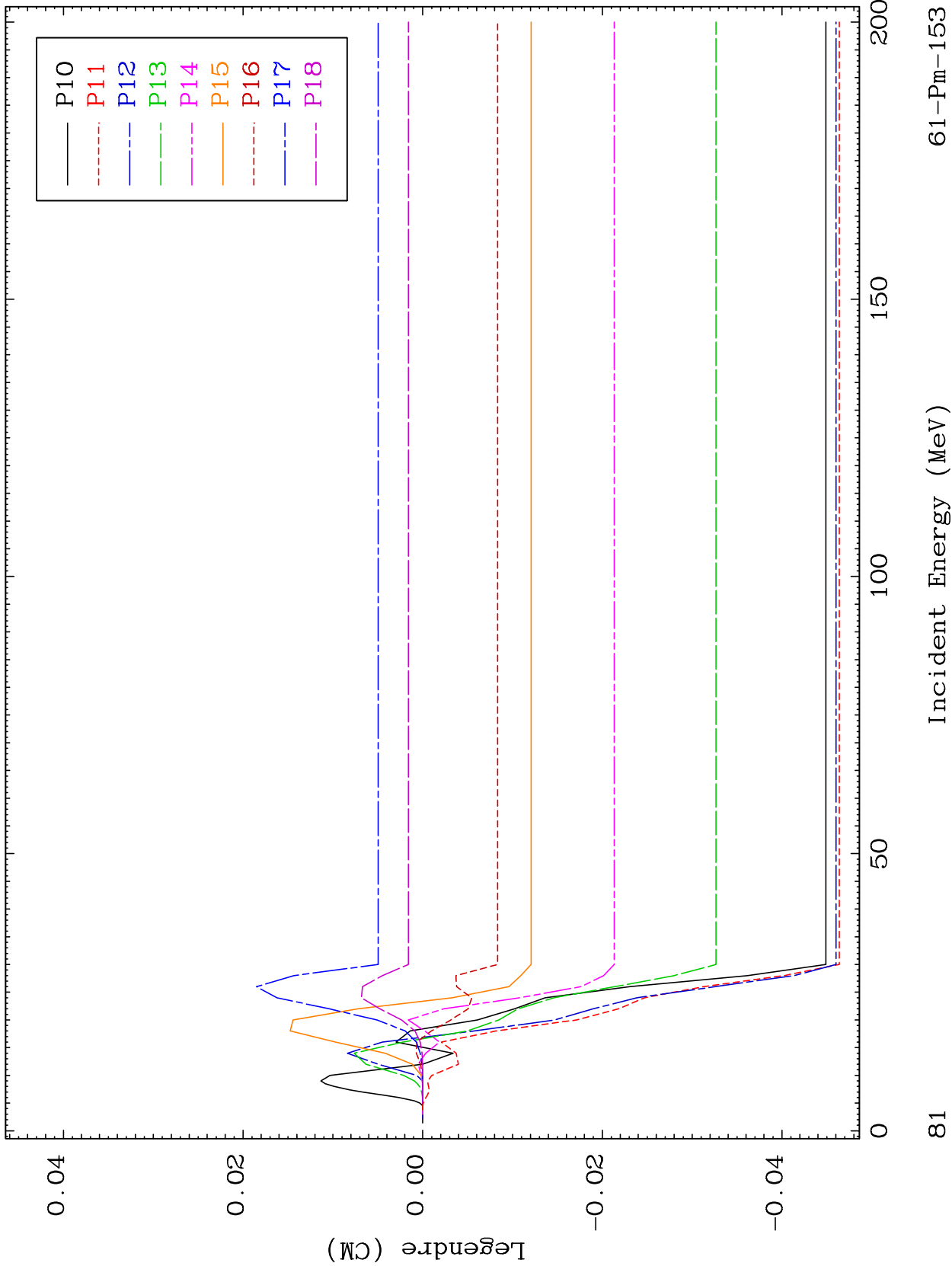
61-Pm-153



MAT 6167

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

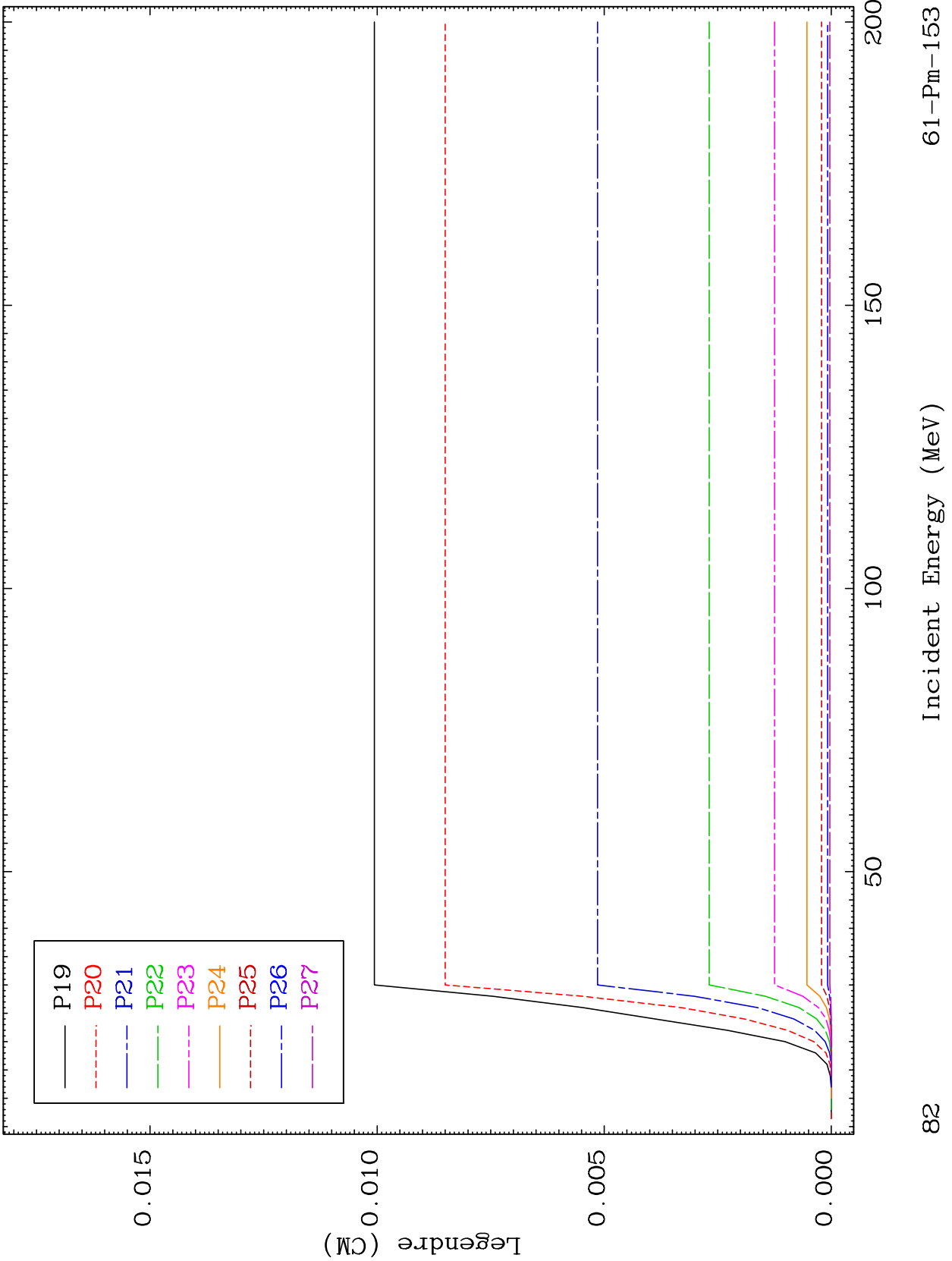
61-Pm-153



81

Incident Energy (MeV)

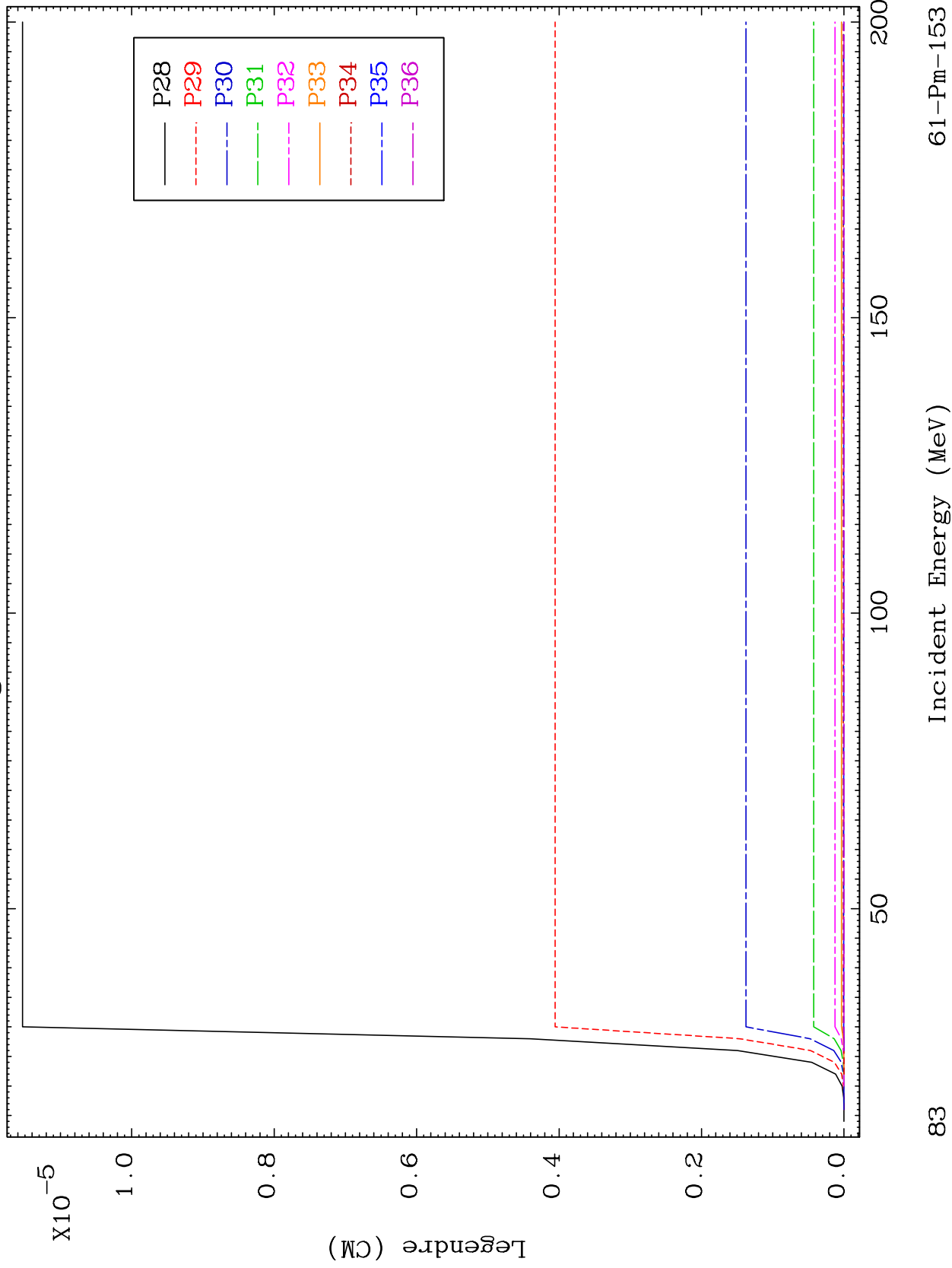
61-Pm-153



MAT 6167

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

61-Pm-153

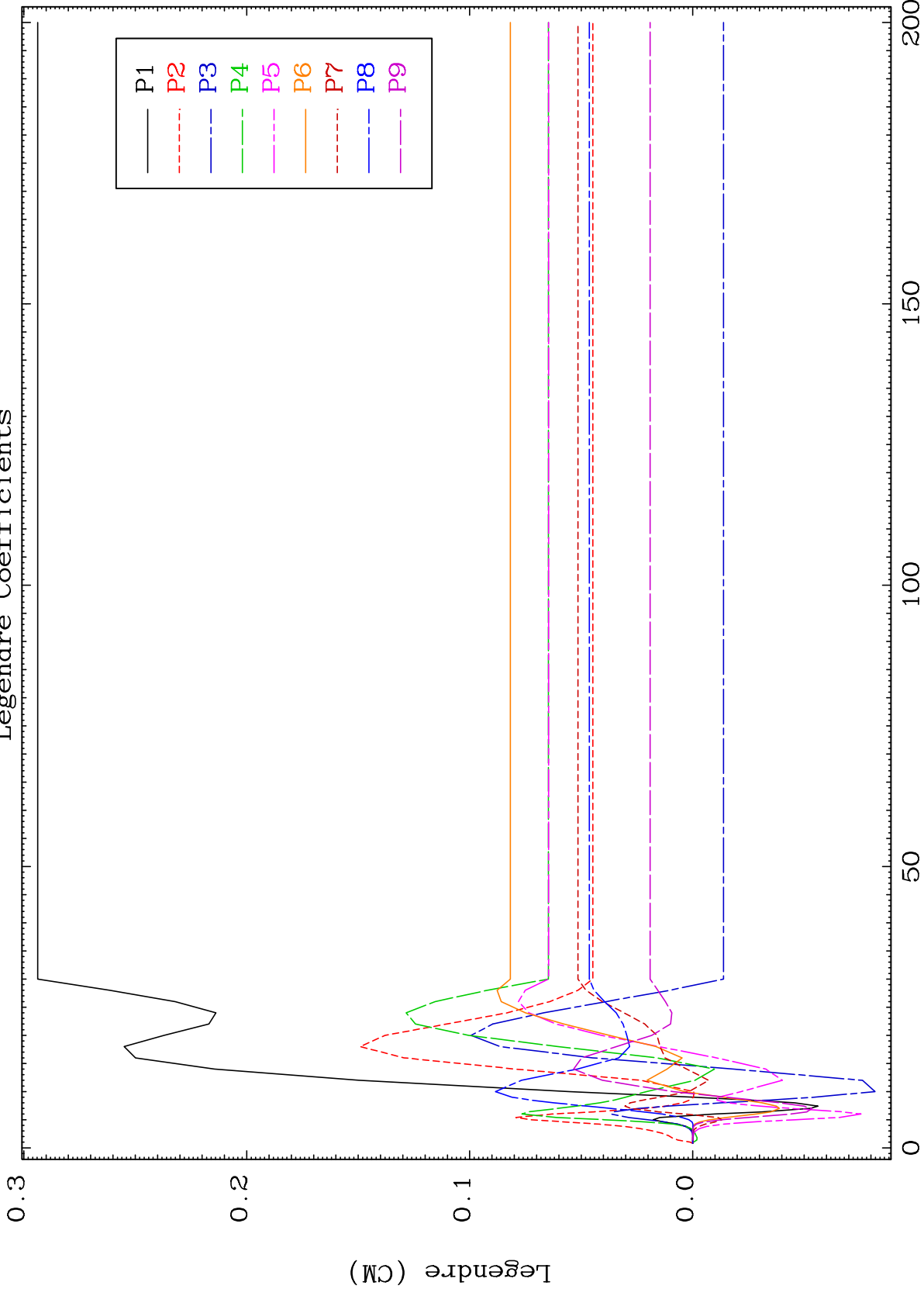


MAT 6167

MT= 67 (n,n') Level

61-Pm-153

Legendre Coefficients



84

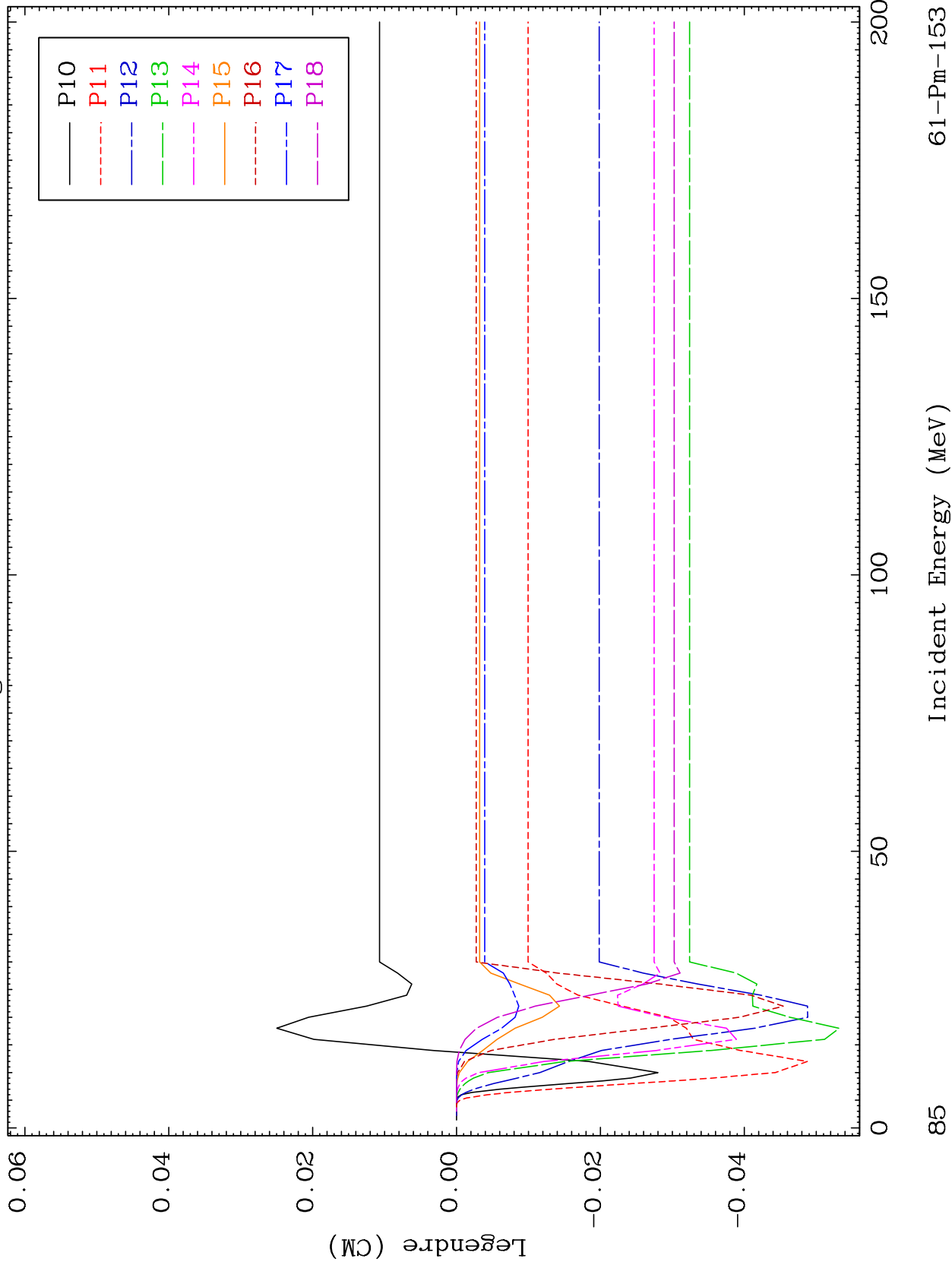
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

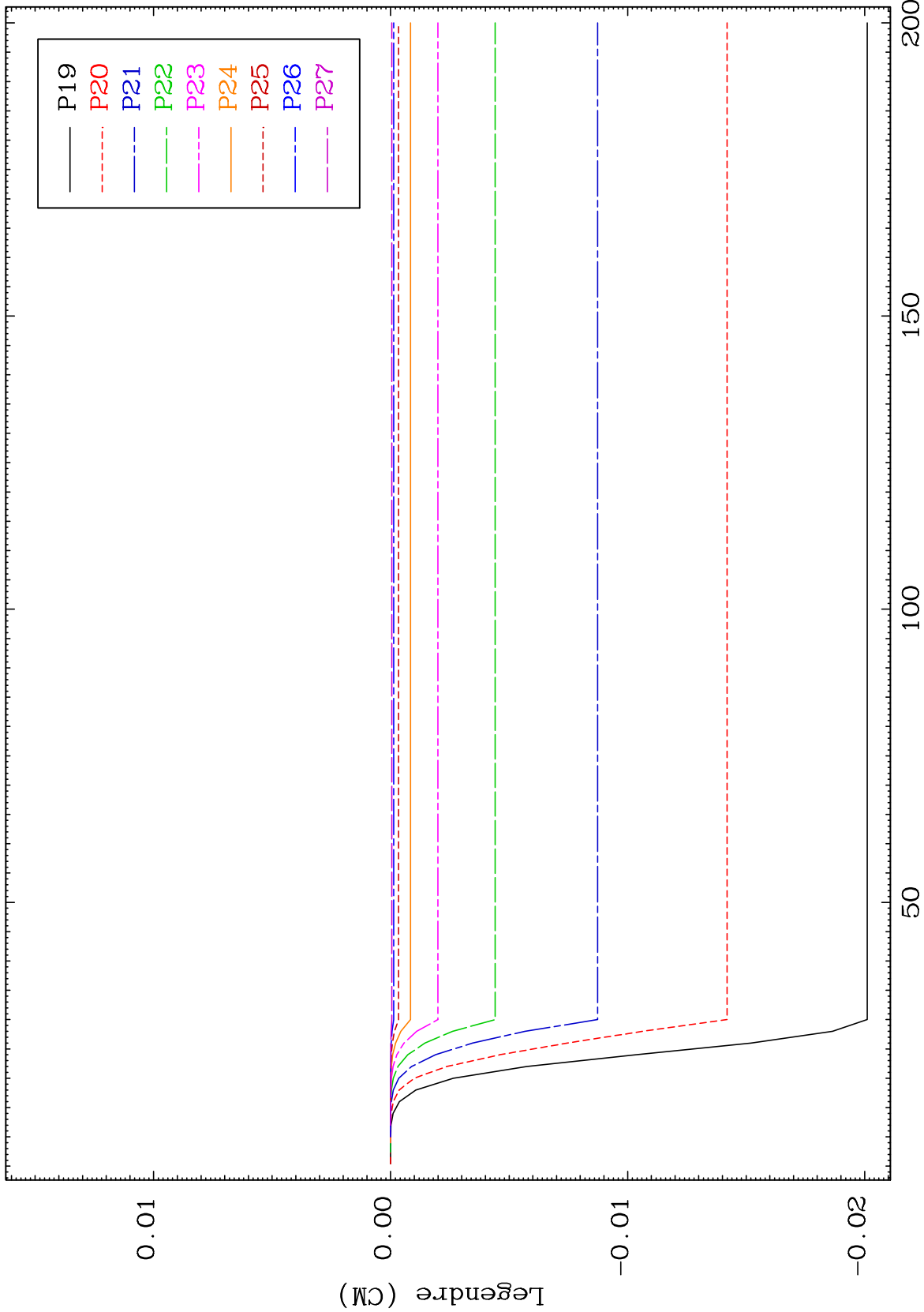
61-Pm-153



61-Pm-153

Incident Energy (MeV)

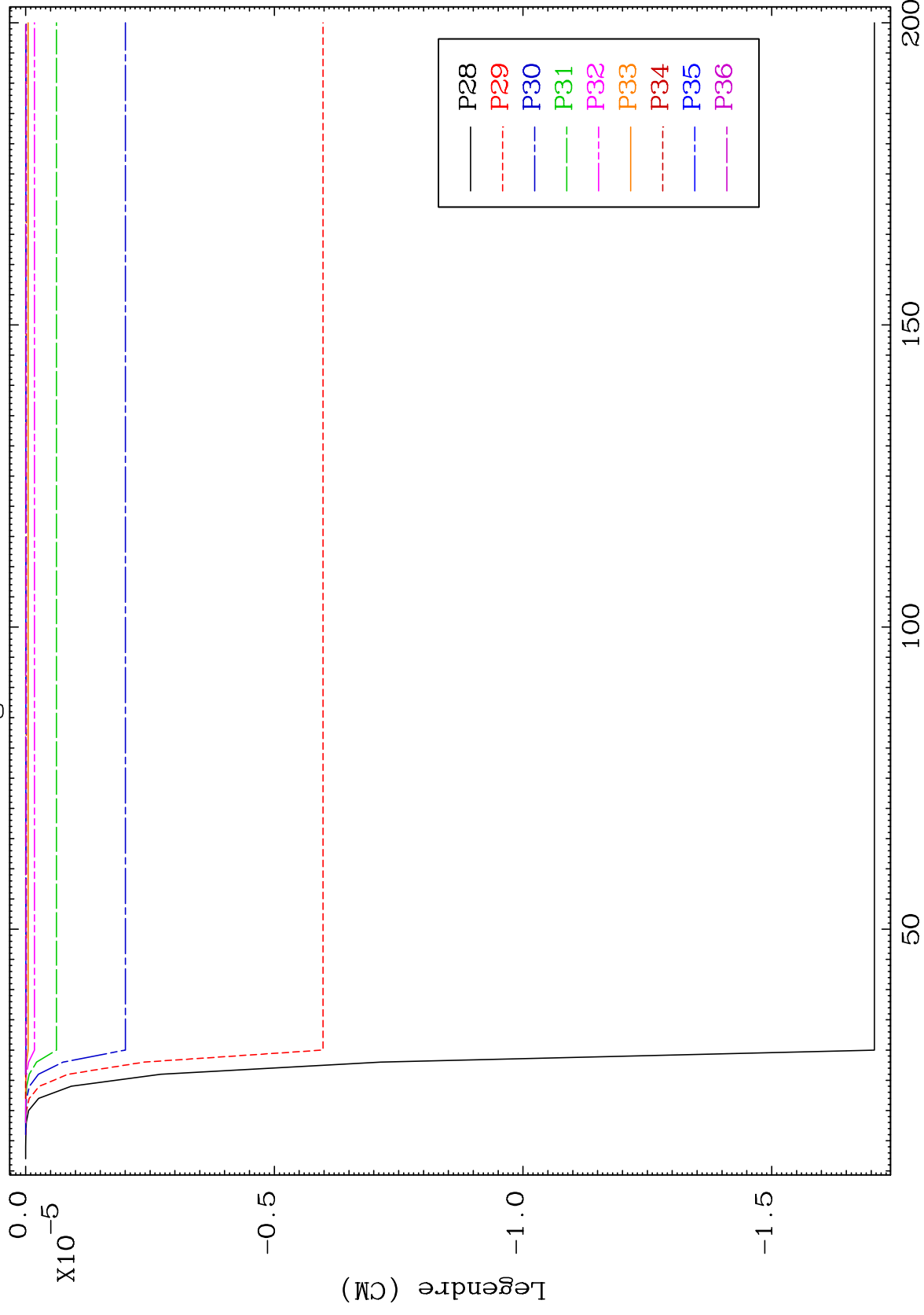
85



MAT 6167

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

61-Pm-153



87

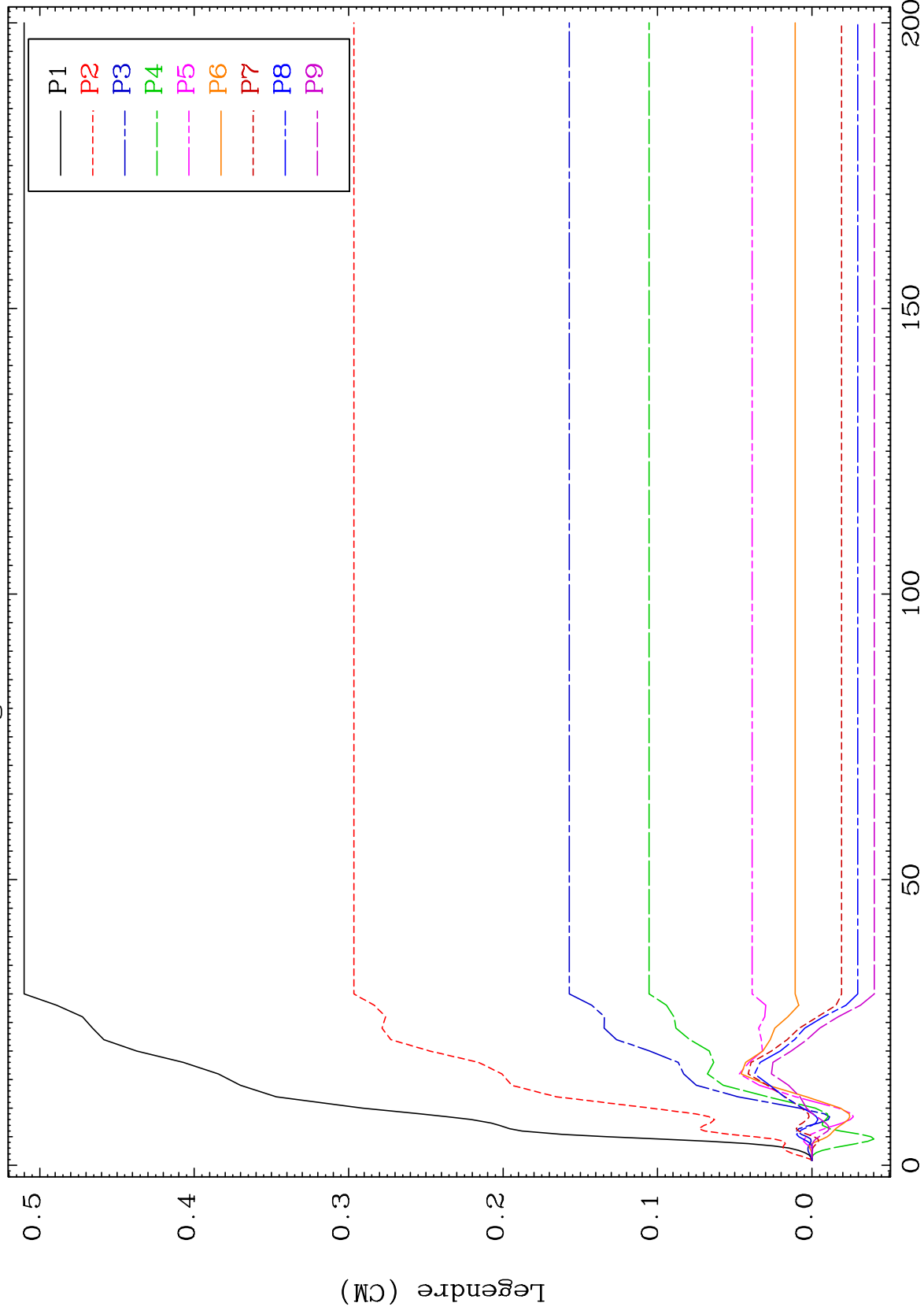
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



61-Pm-153

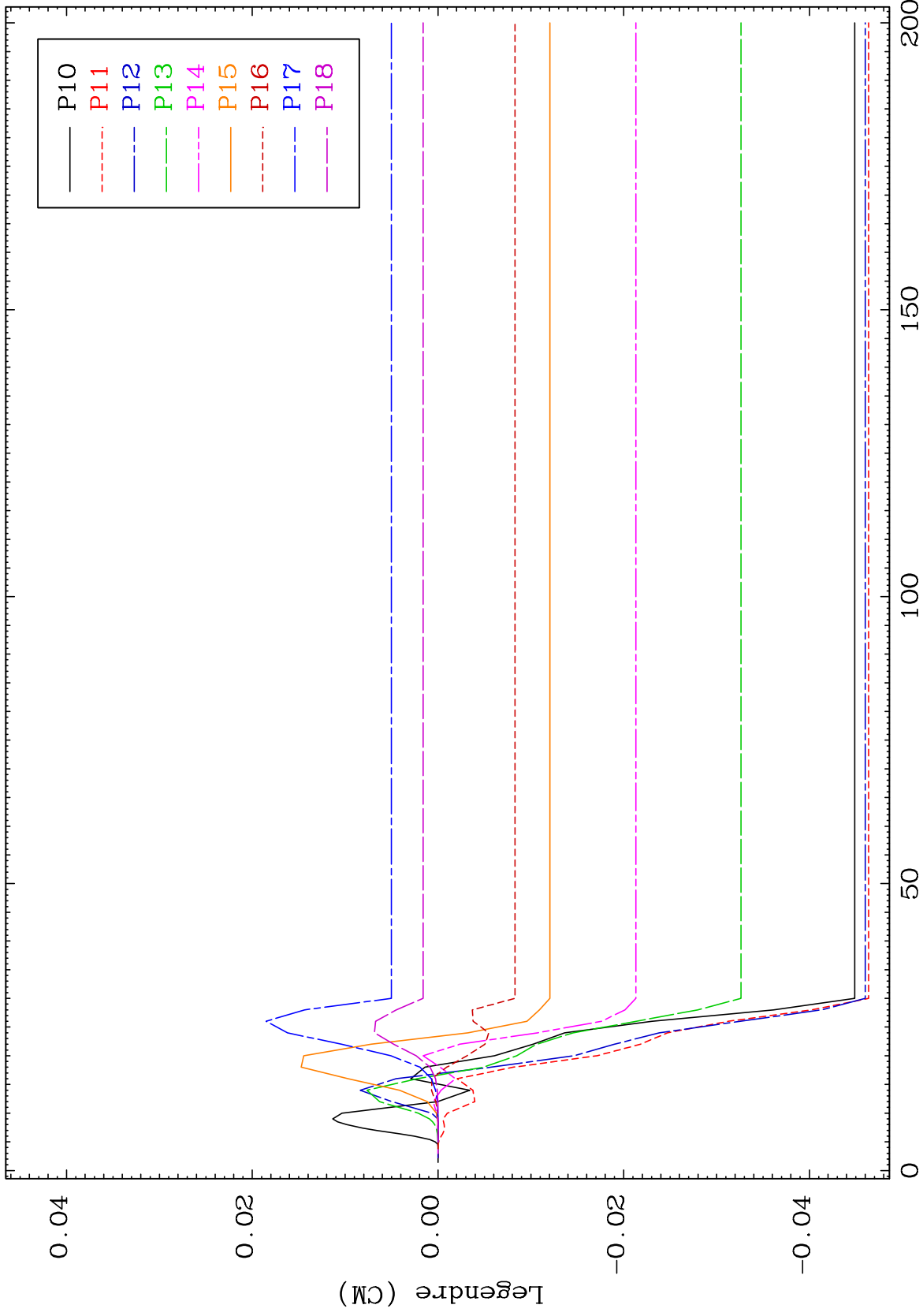
Incident Energy (MeV)

88

MAT 6167

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

61-Pm-153



89

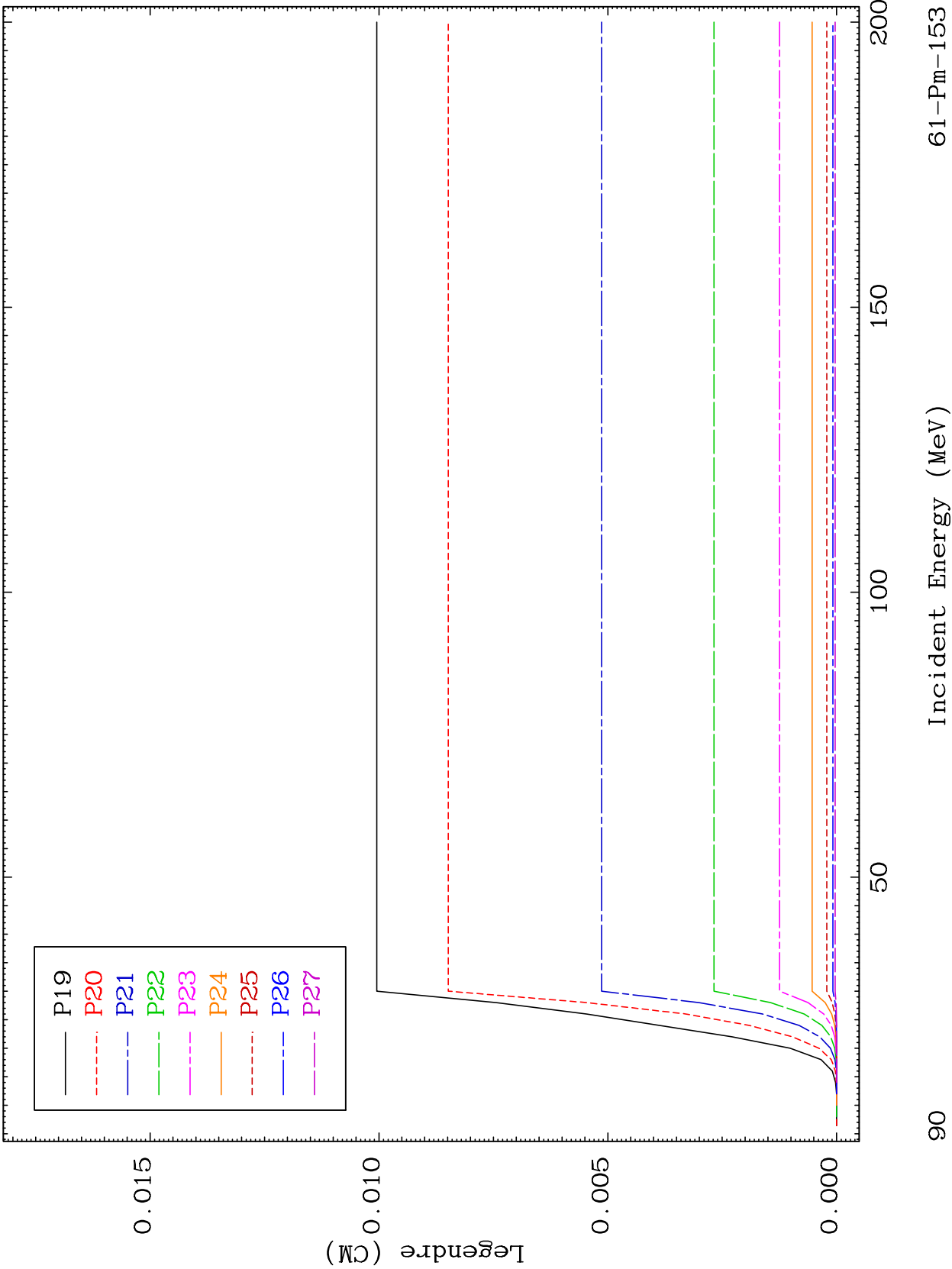
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



61-Pm-153

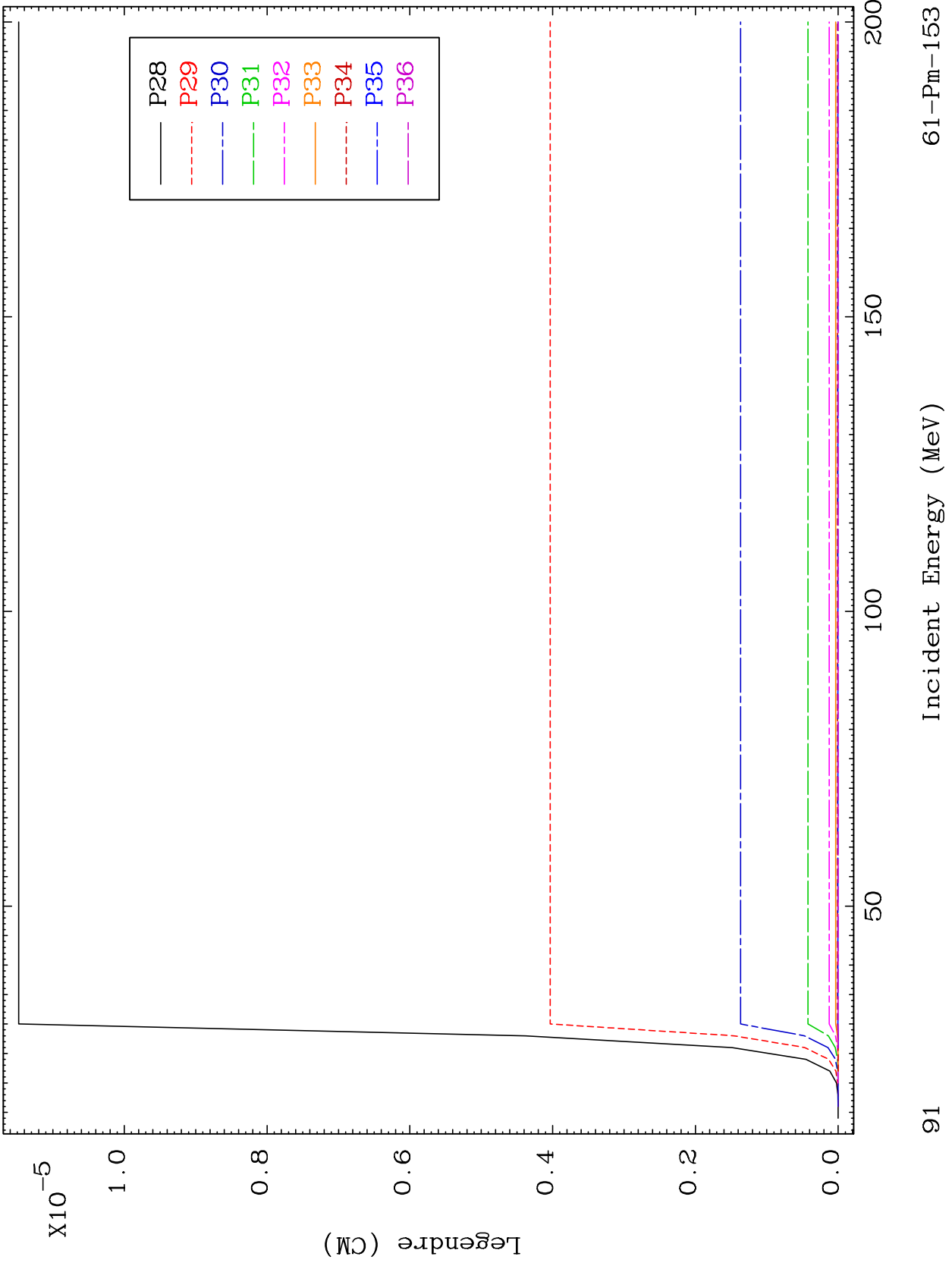
Incident Energy (MeV)

90

MAT 6167

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

61-Pm-153



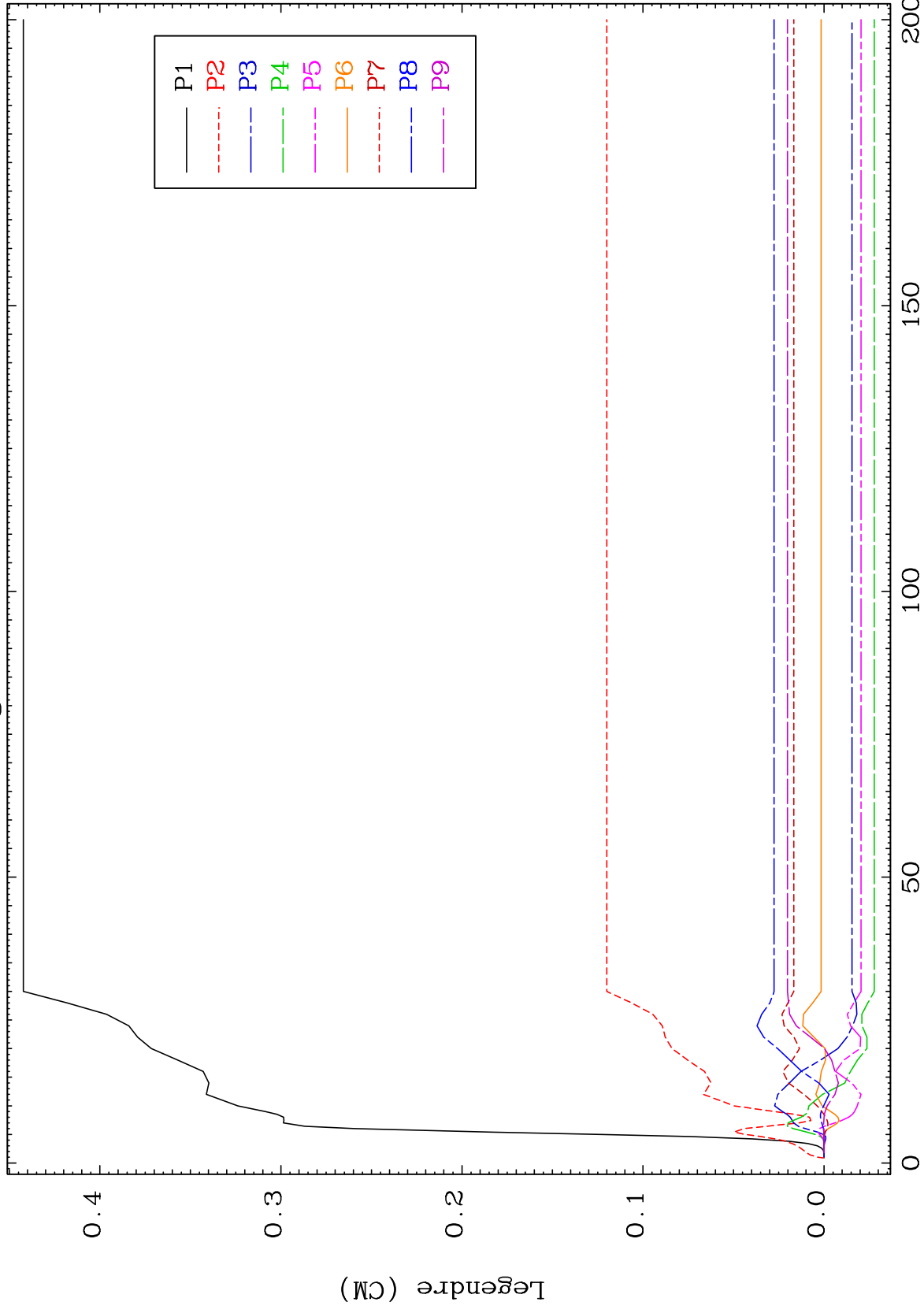
91

61-Pm-153

MAT 6167

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

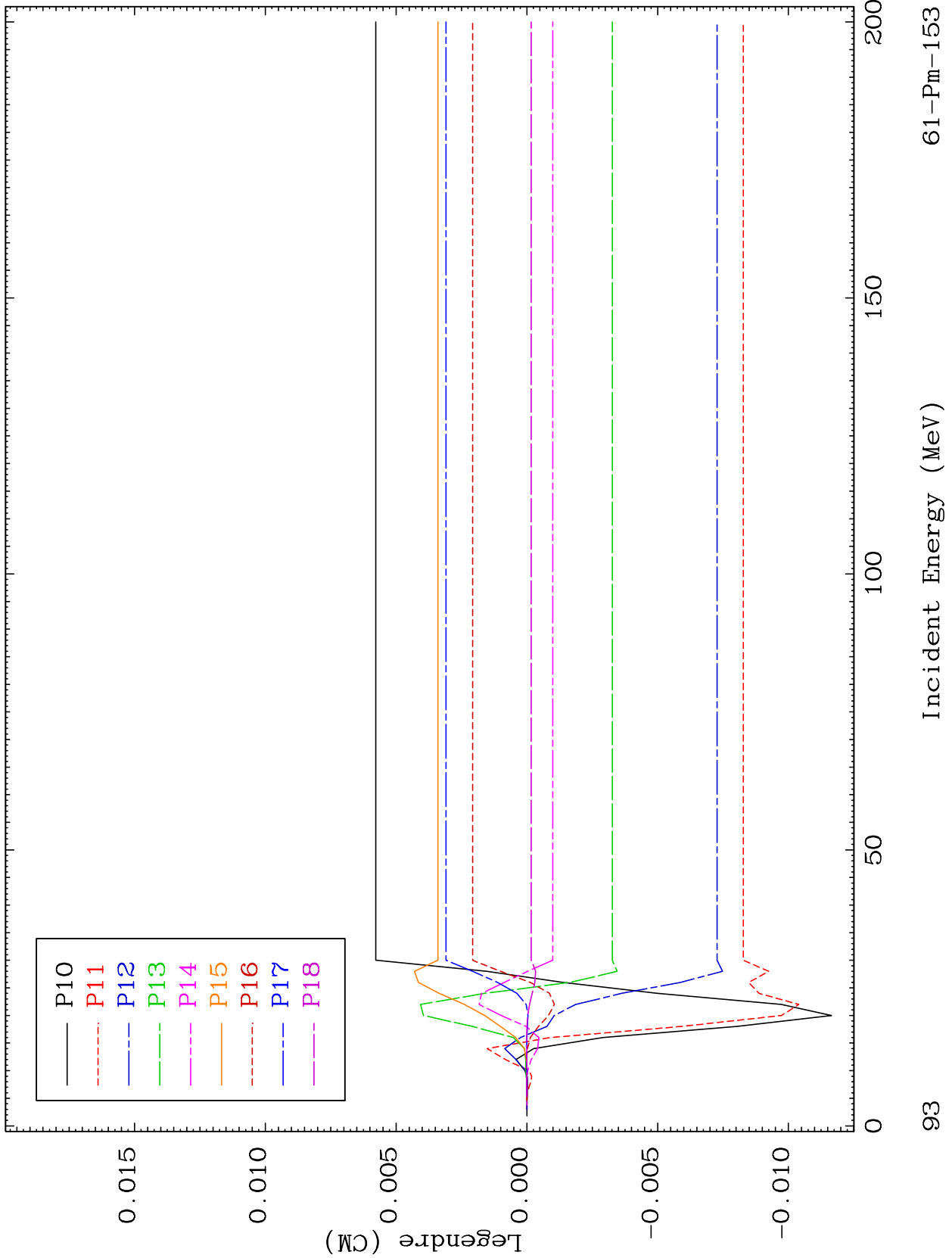
61-Pm-153



92

Incident Energy (MeV)

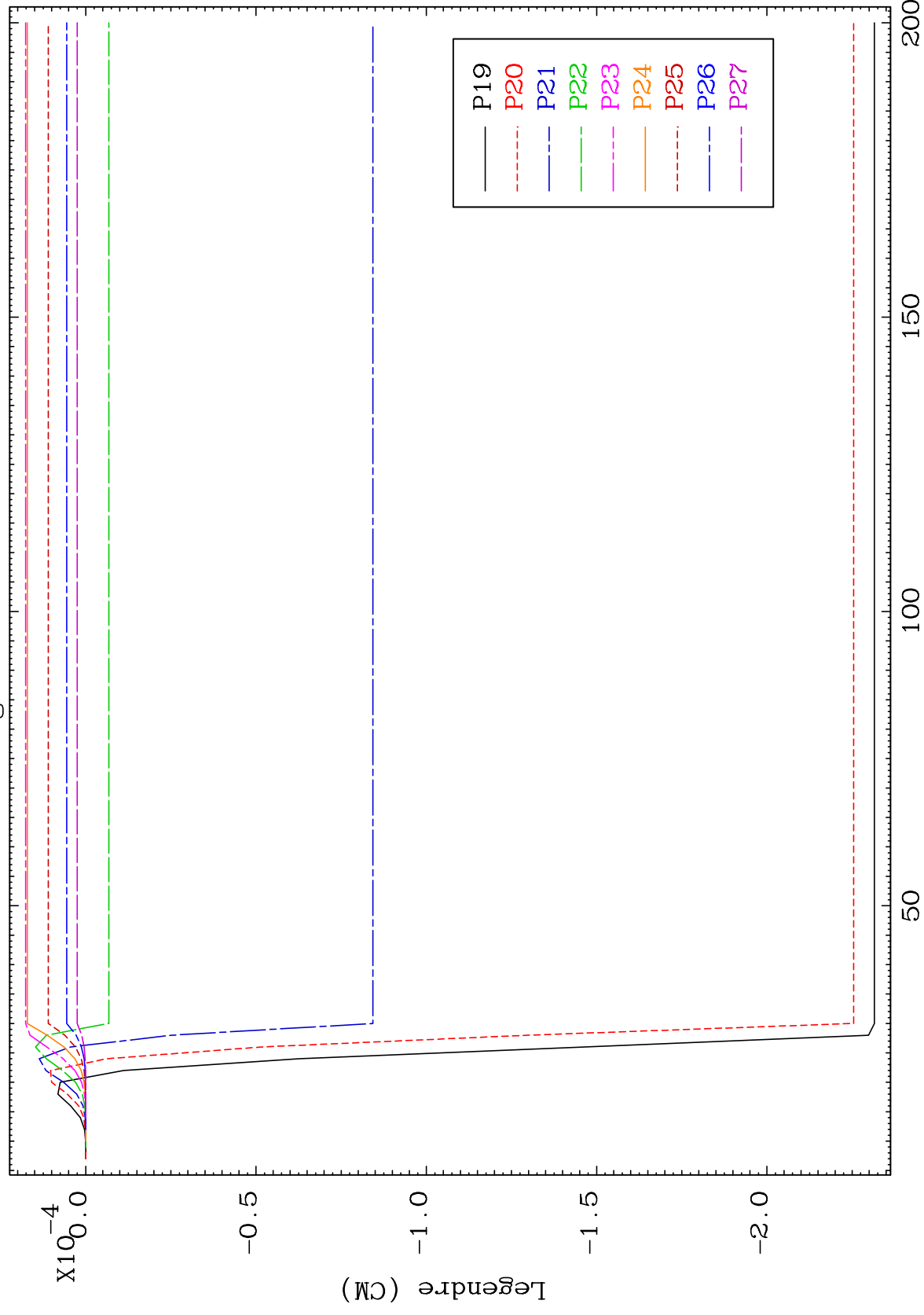
61-Pm-153



MAT 6167

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

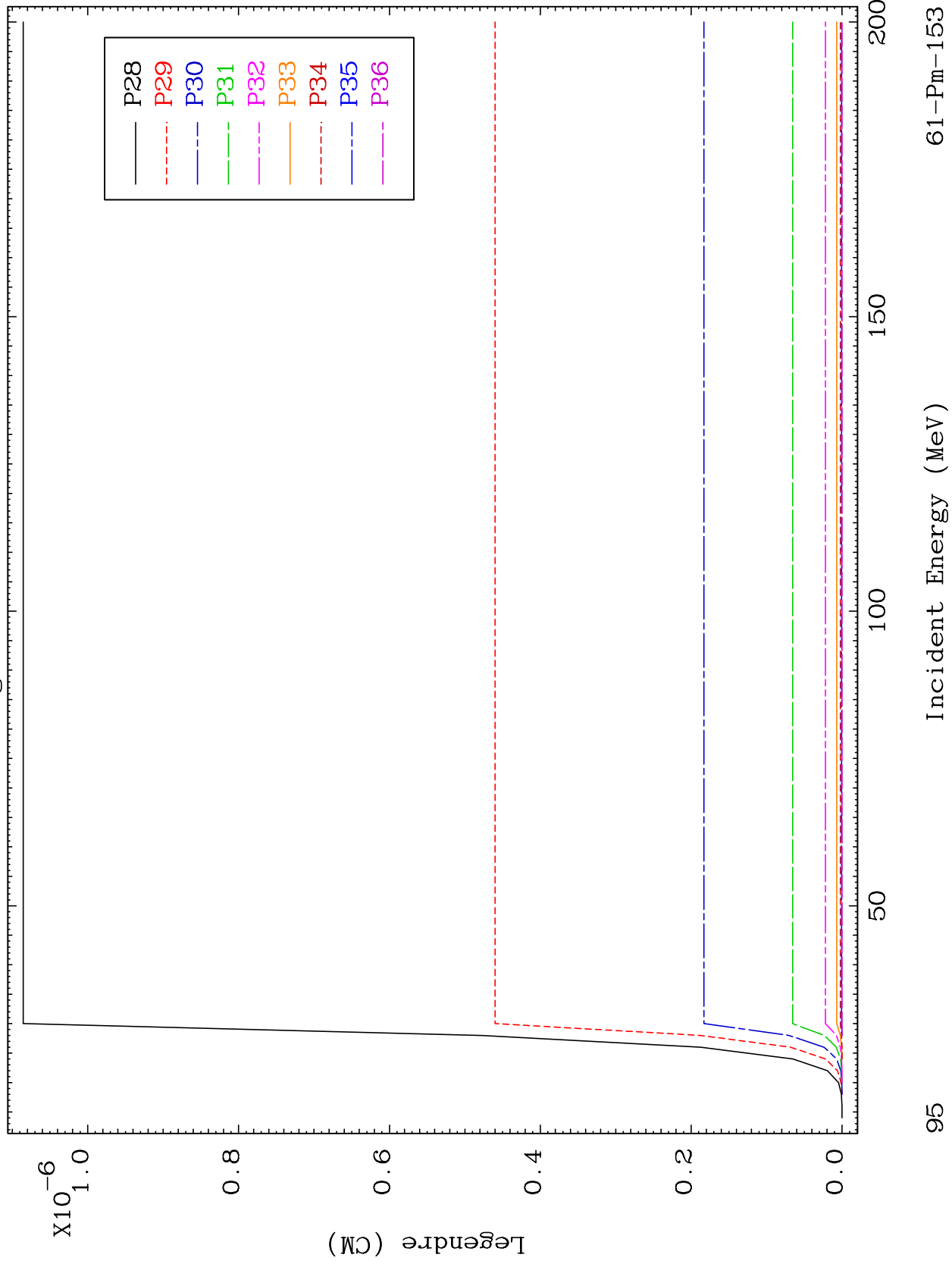
61-Pm-153



MAT 6167

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

61-Pm-153



95

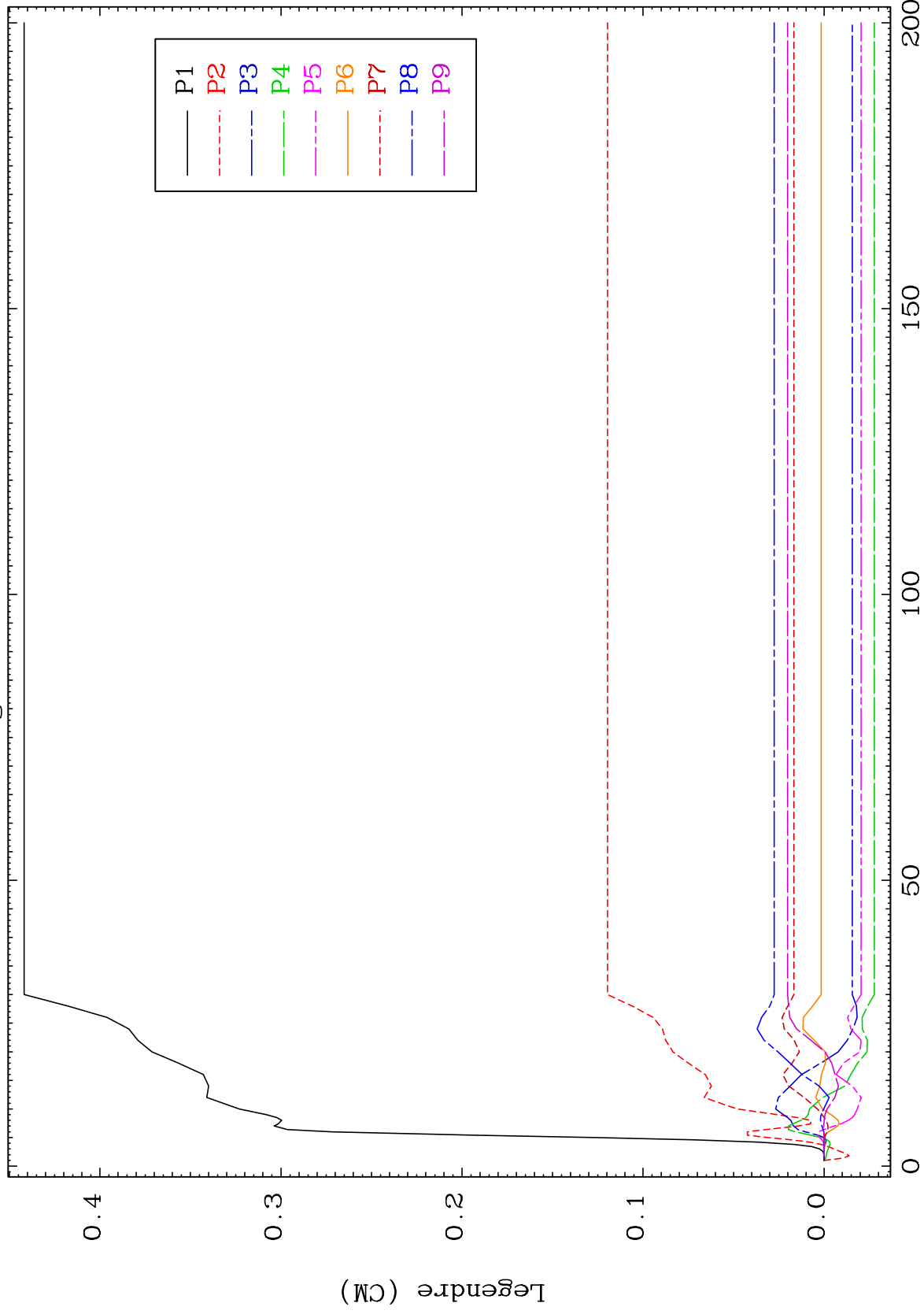
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

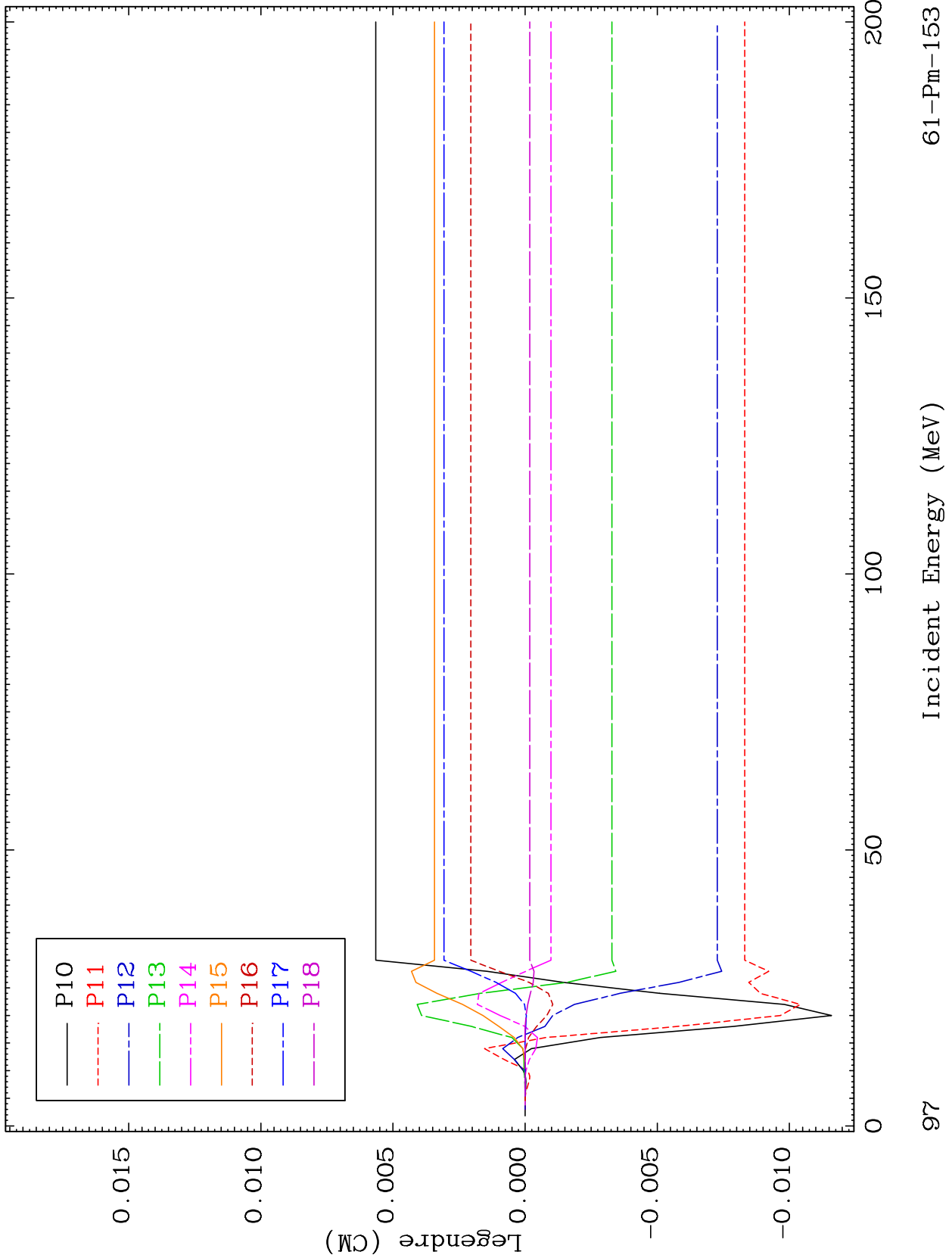
61-Pm-153



96

Incident Energy (MeV)

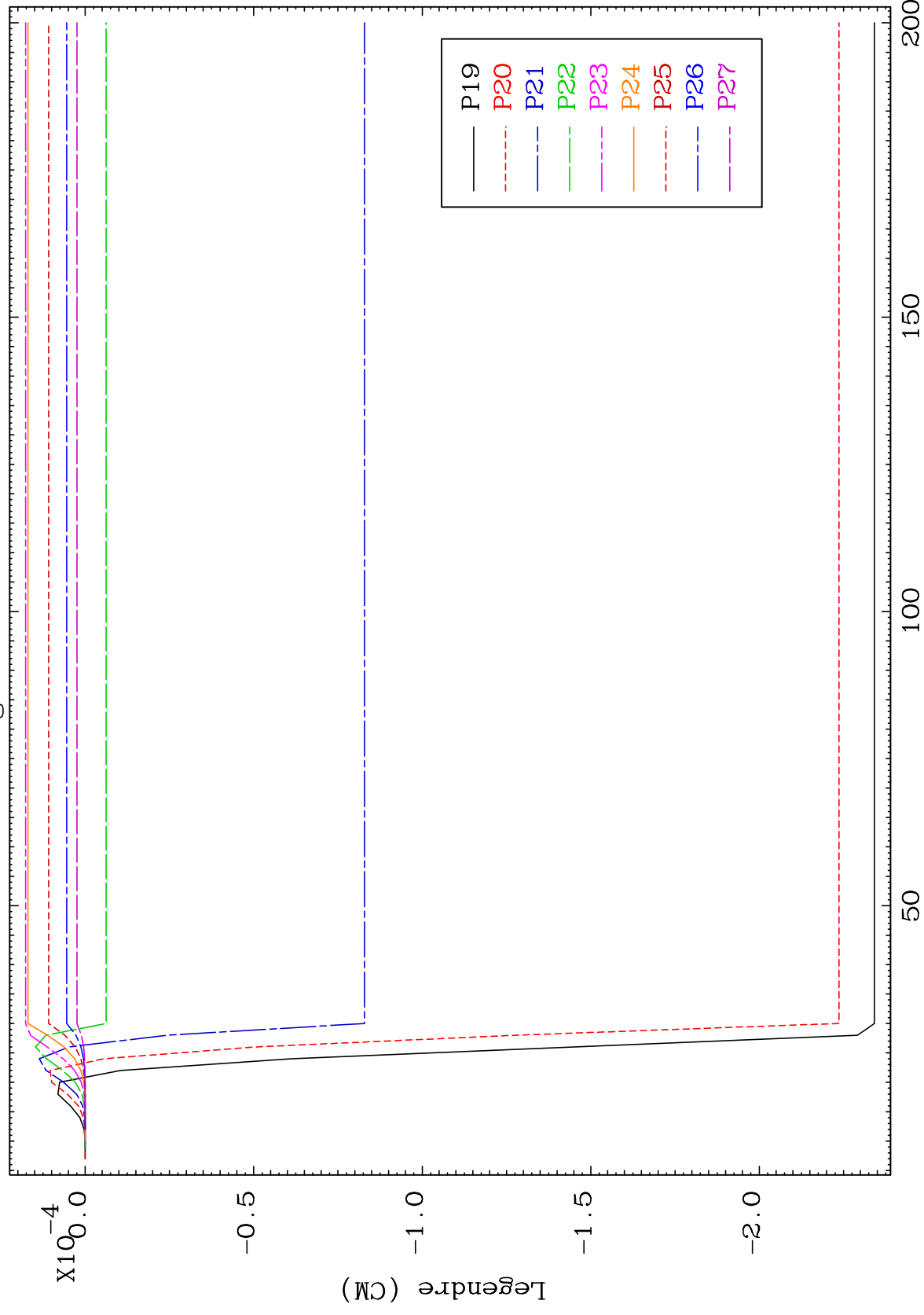
61-Pm-153

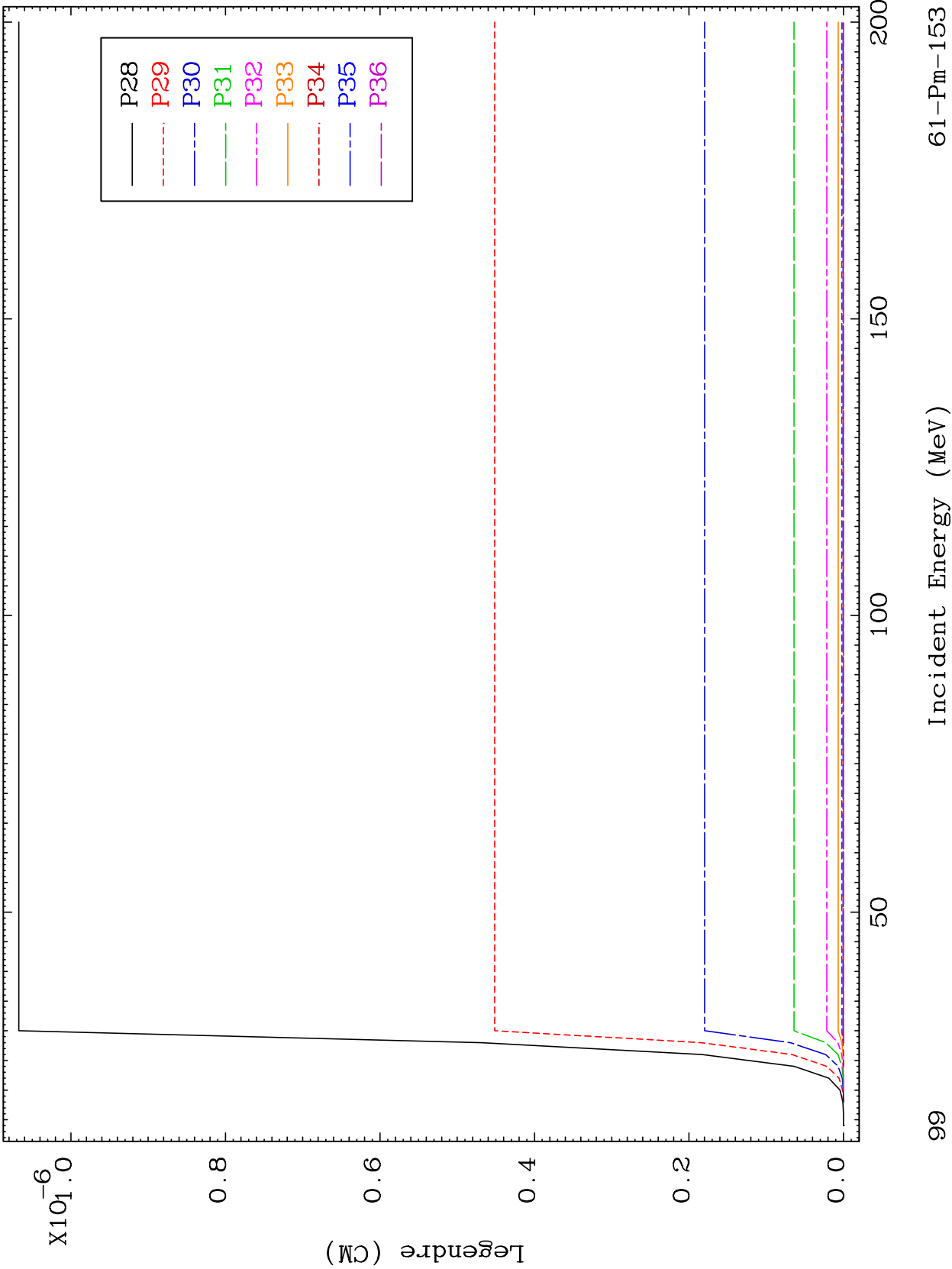


MAT 6167

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

61-Pm-153

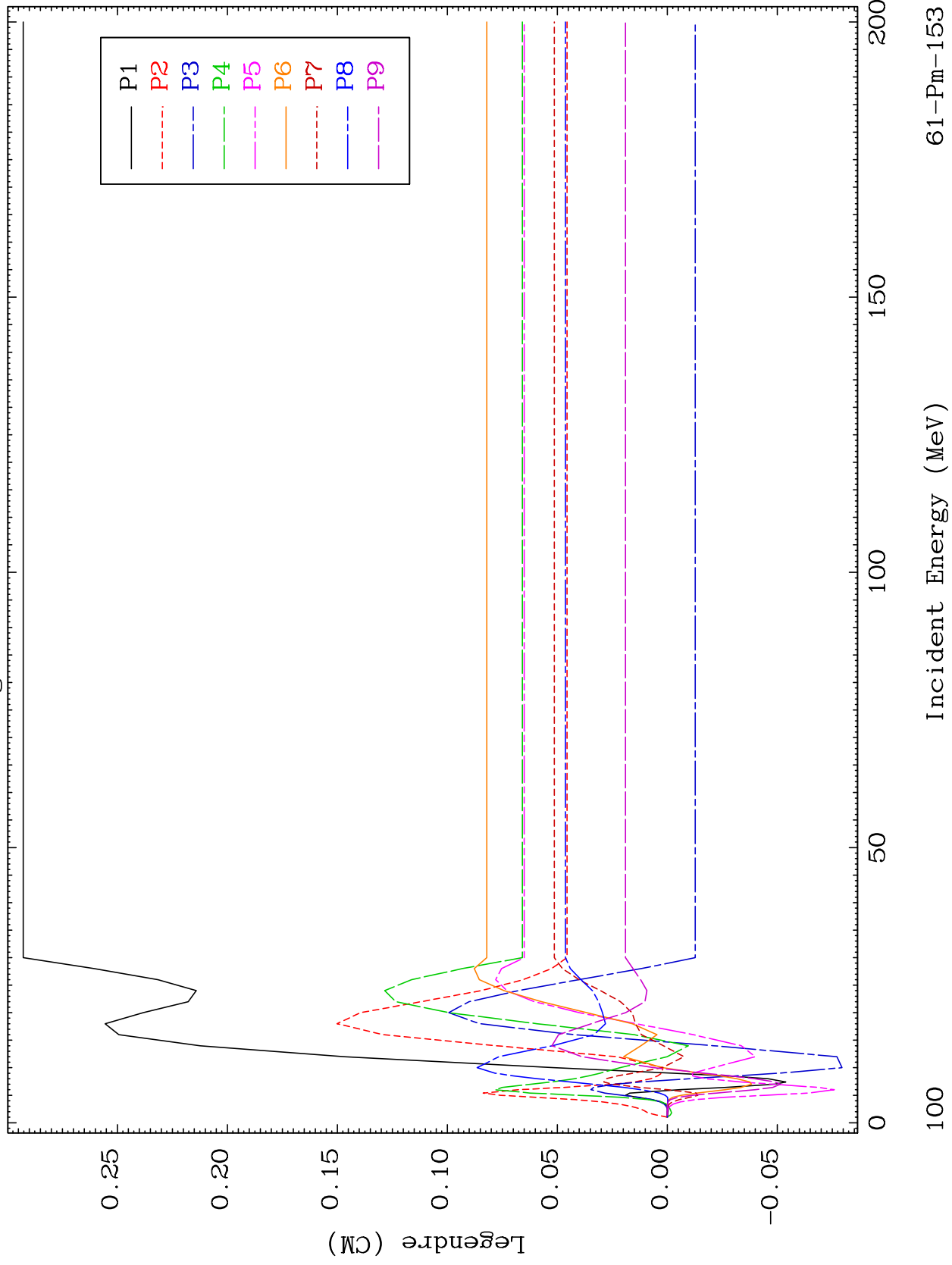




MAT 6167

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

61-Pm-153



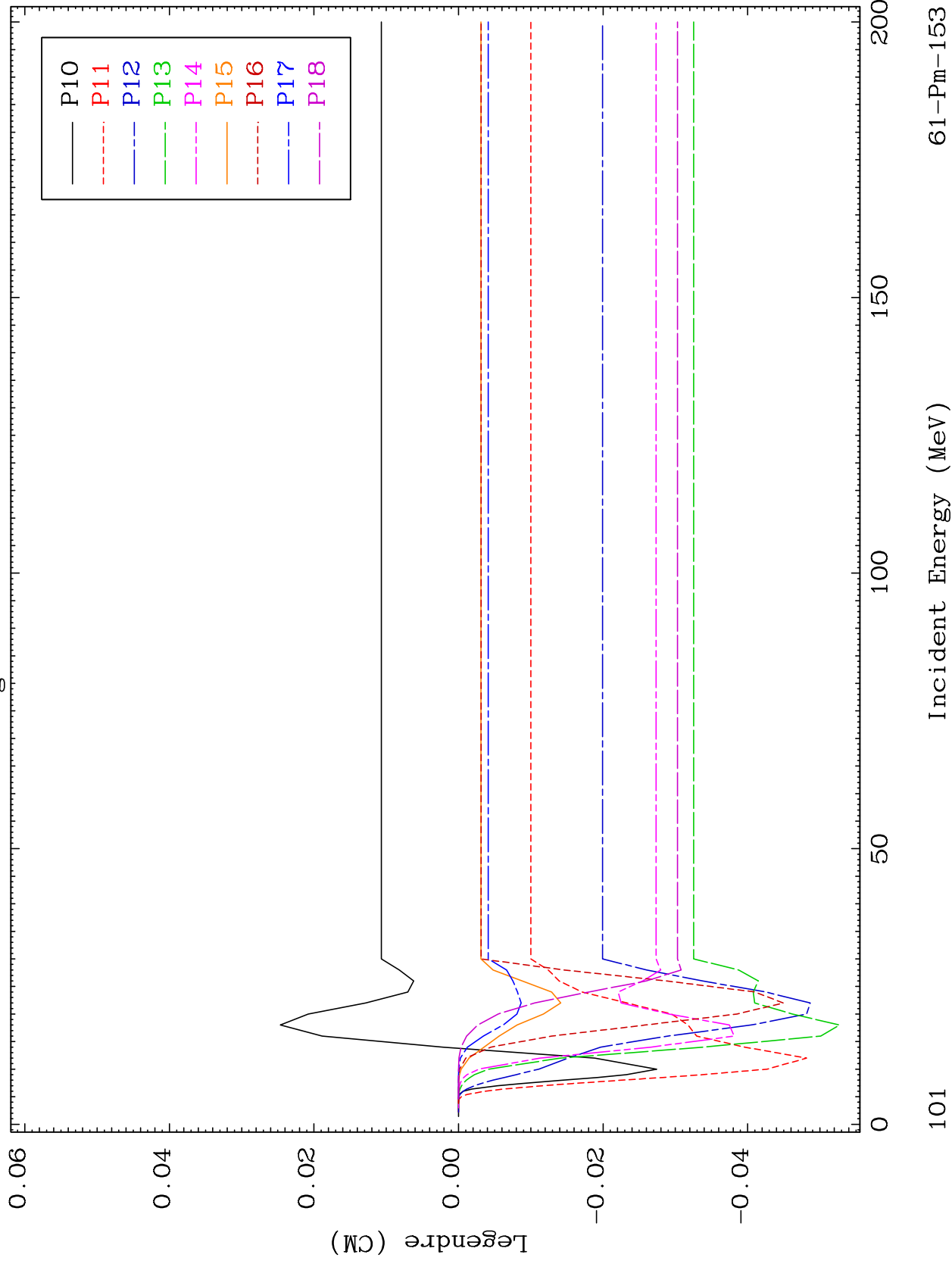
61-Pm-153

Incident Energy (MeV)

MAT 6167

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

61-Pm-153



101

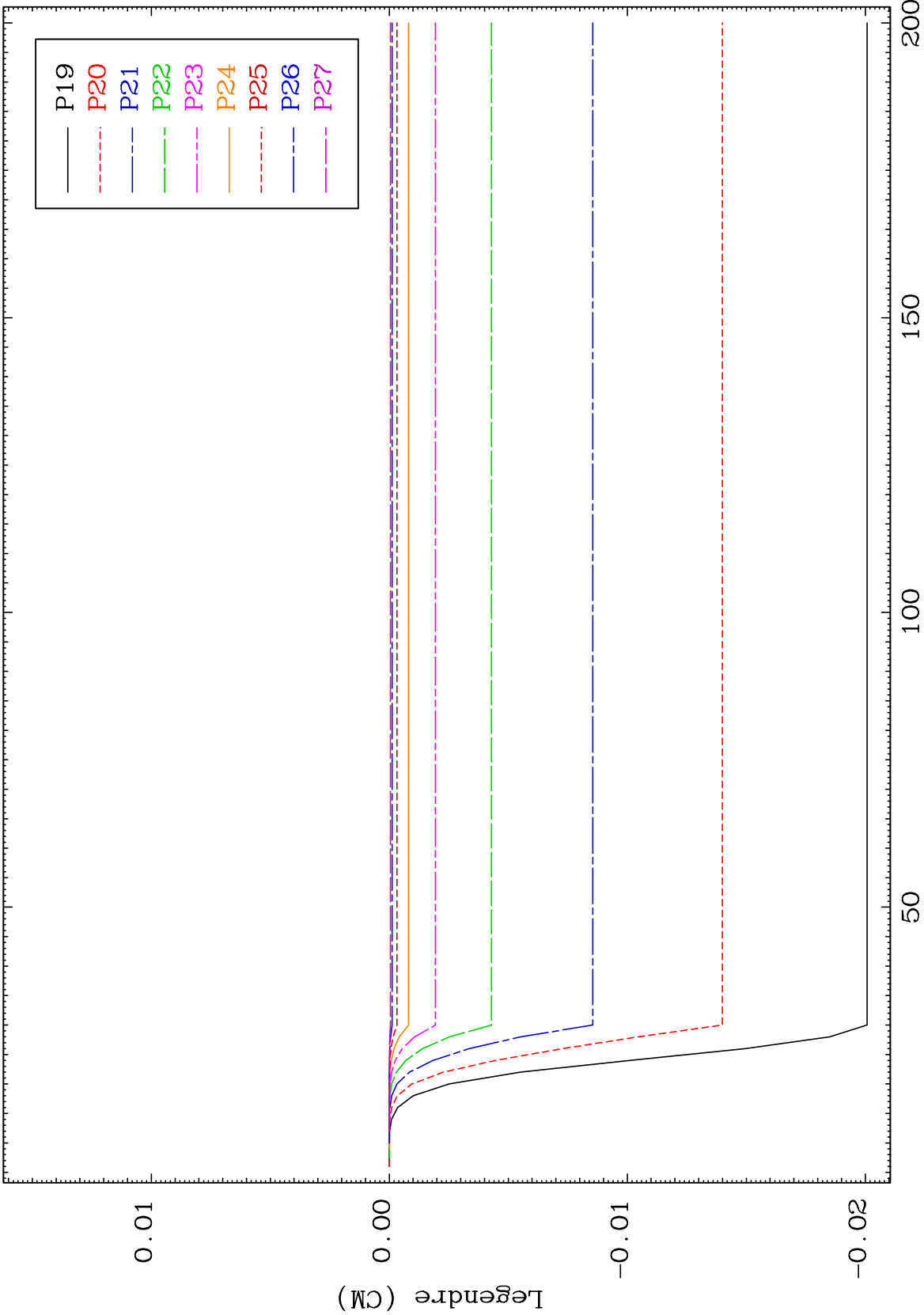
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



102

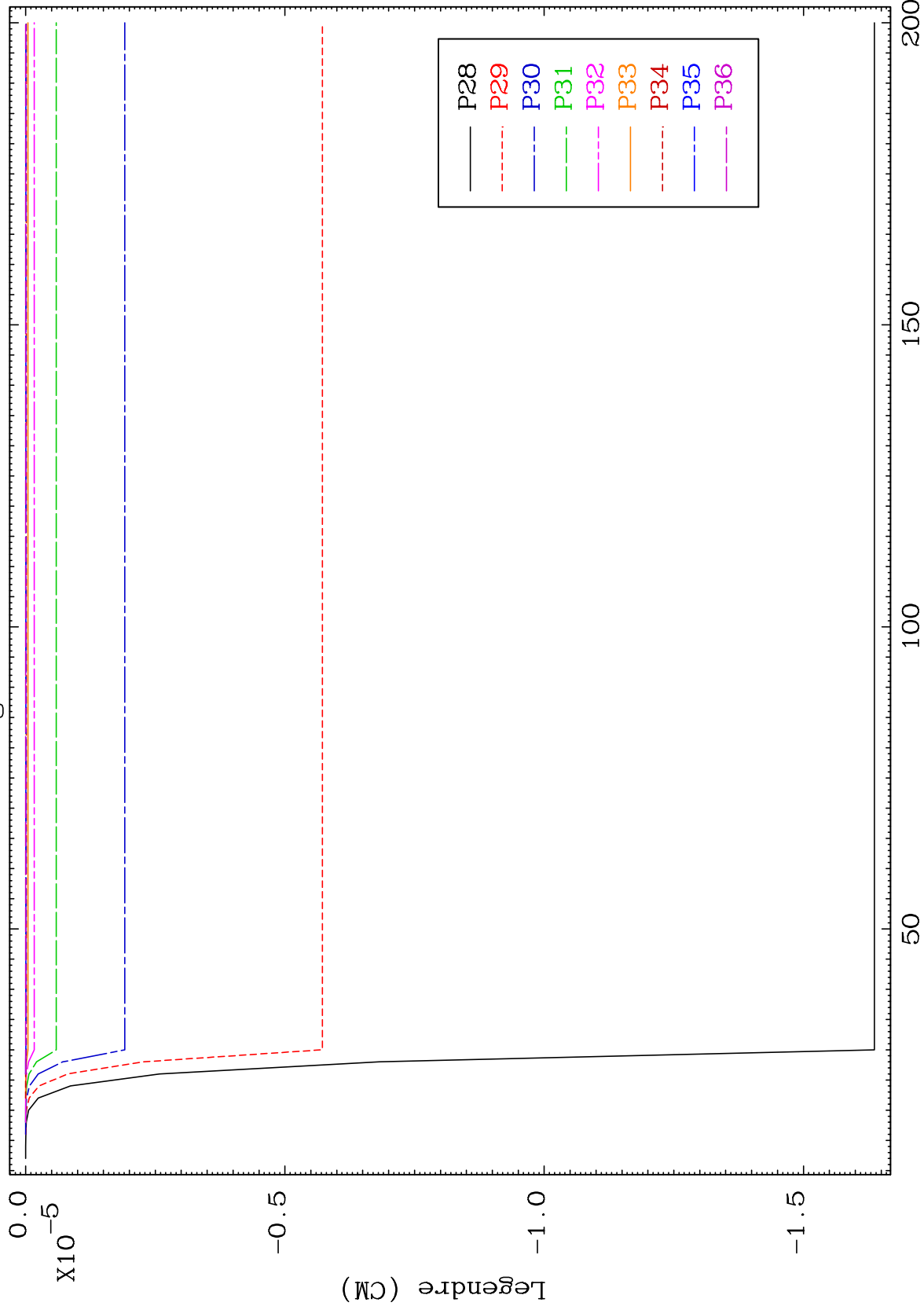
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



61-Pm-153

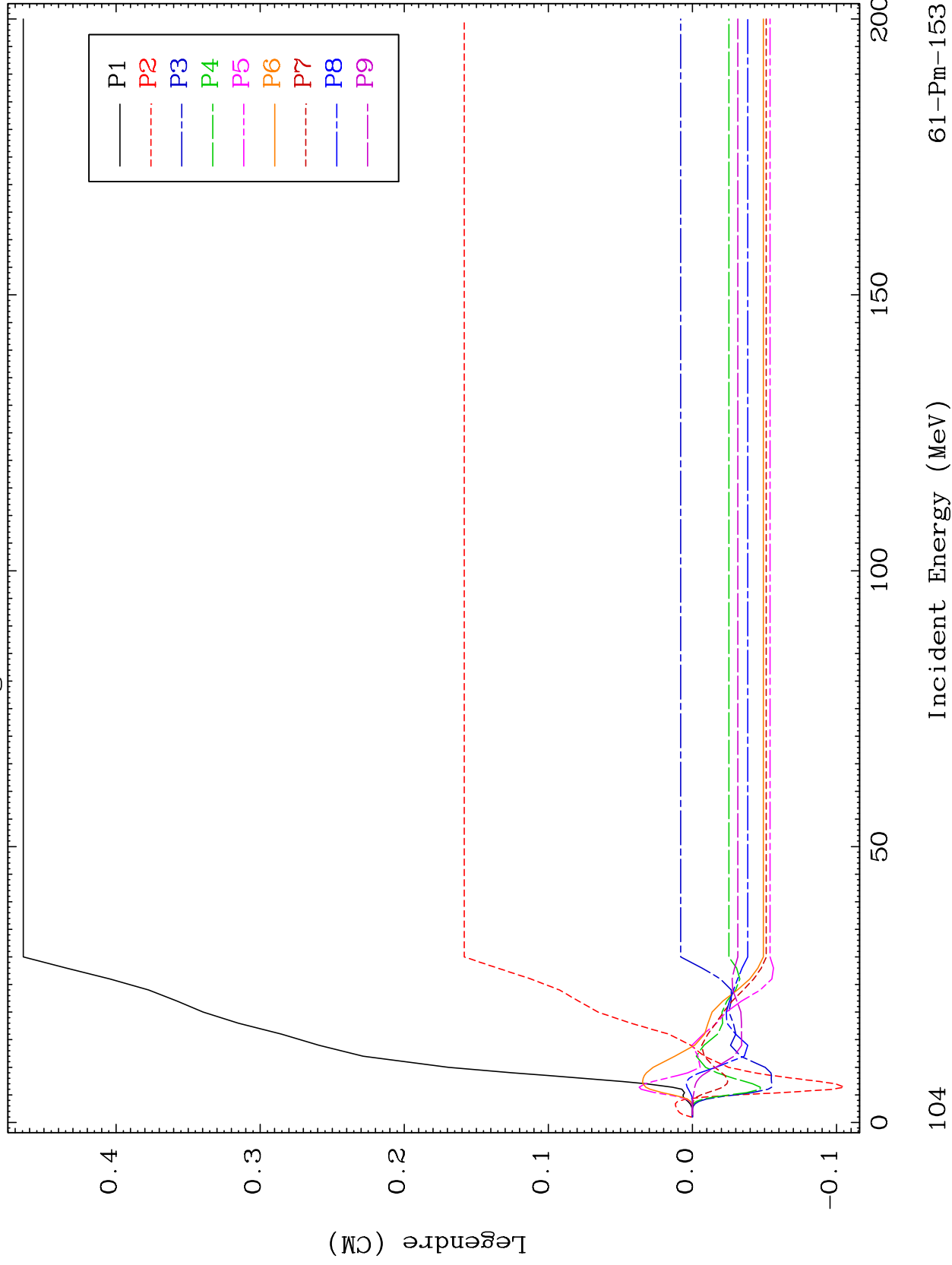
Incident Energy (MeV)

103

MAT 6167

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

61-Pm-153



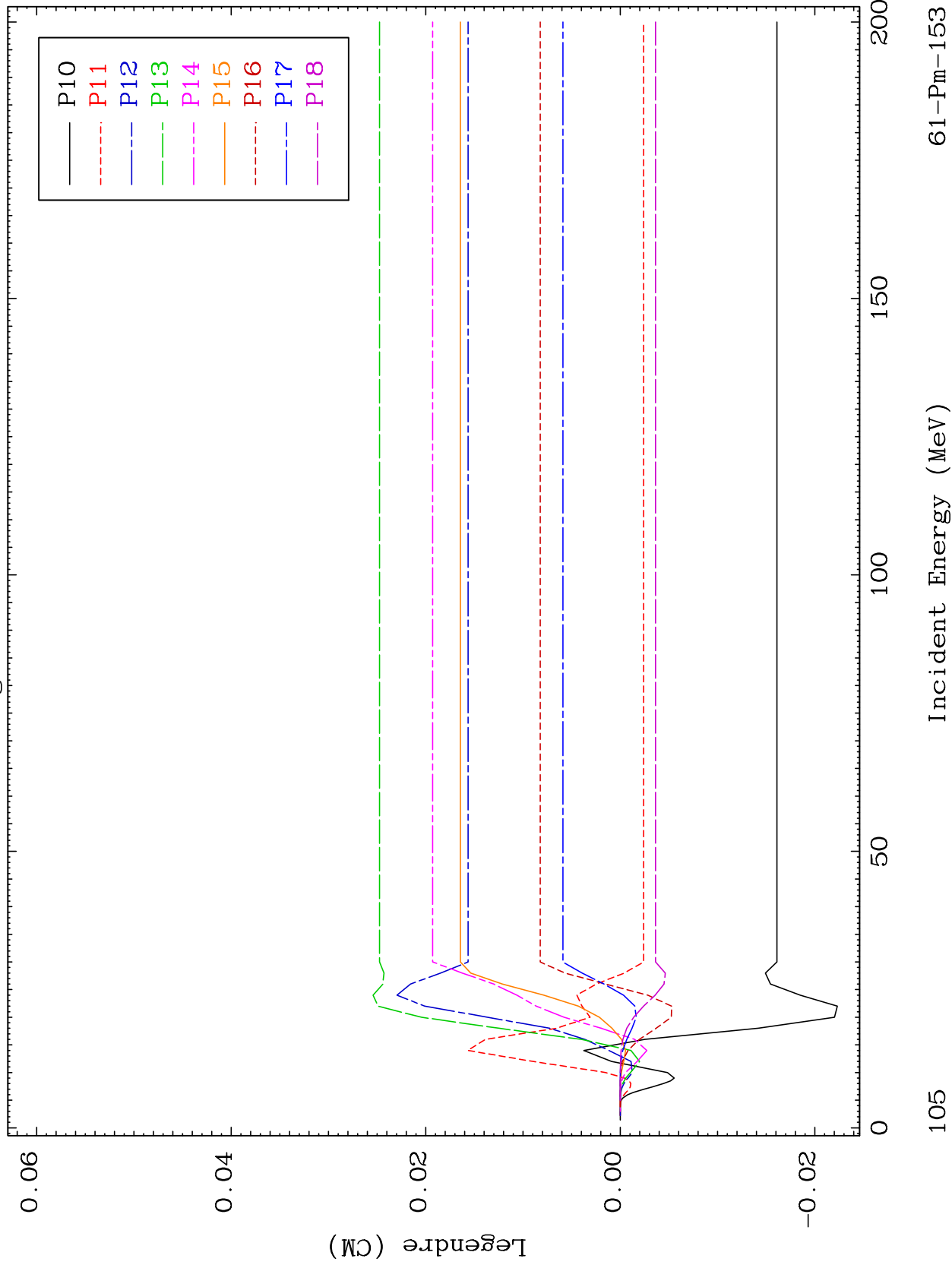
104

61-Pm-153

MAT 6167

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

61-Pm-153



61-Pm-153

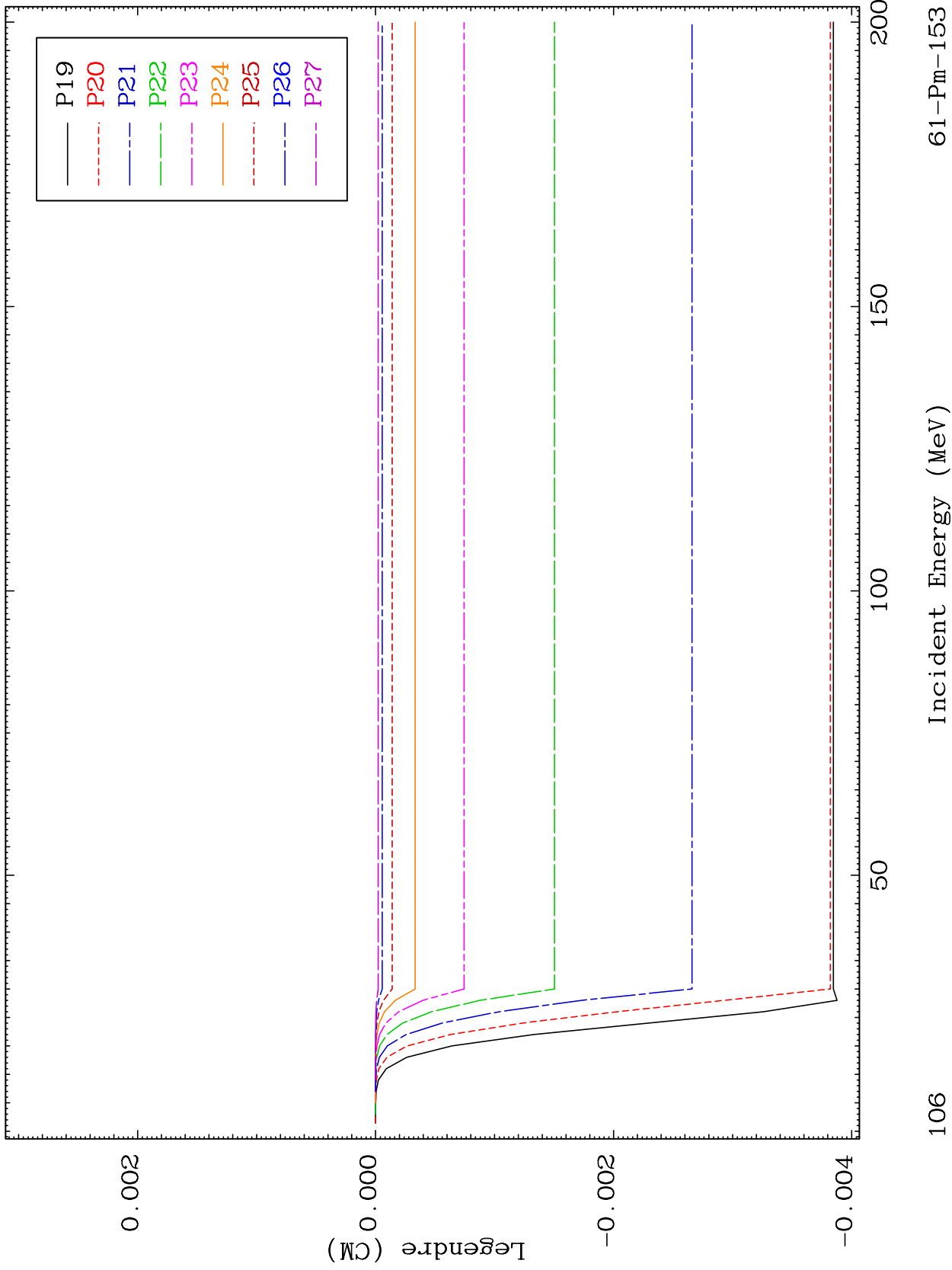
Incident Energy (MeV)

105

MAT 6167

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

61-Pm-153



106

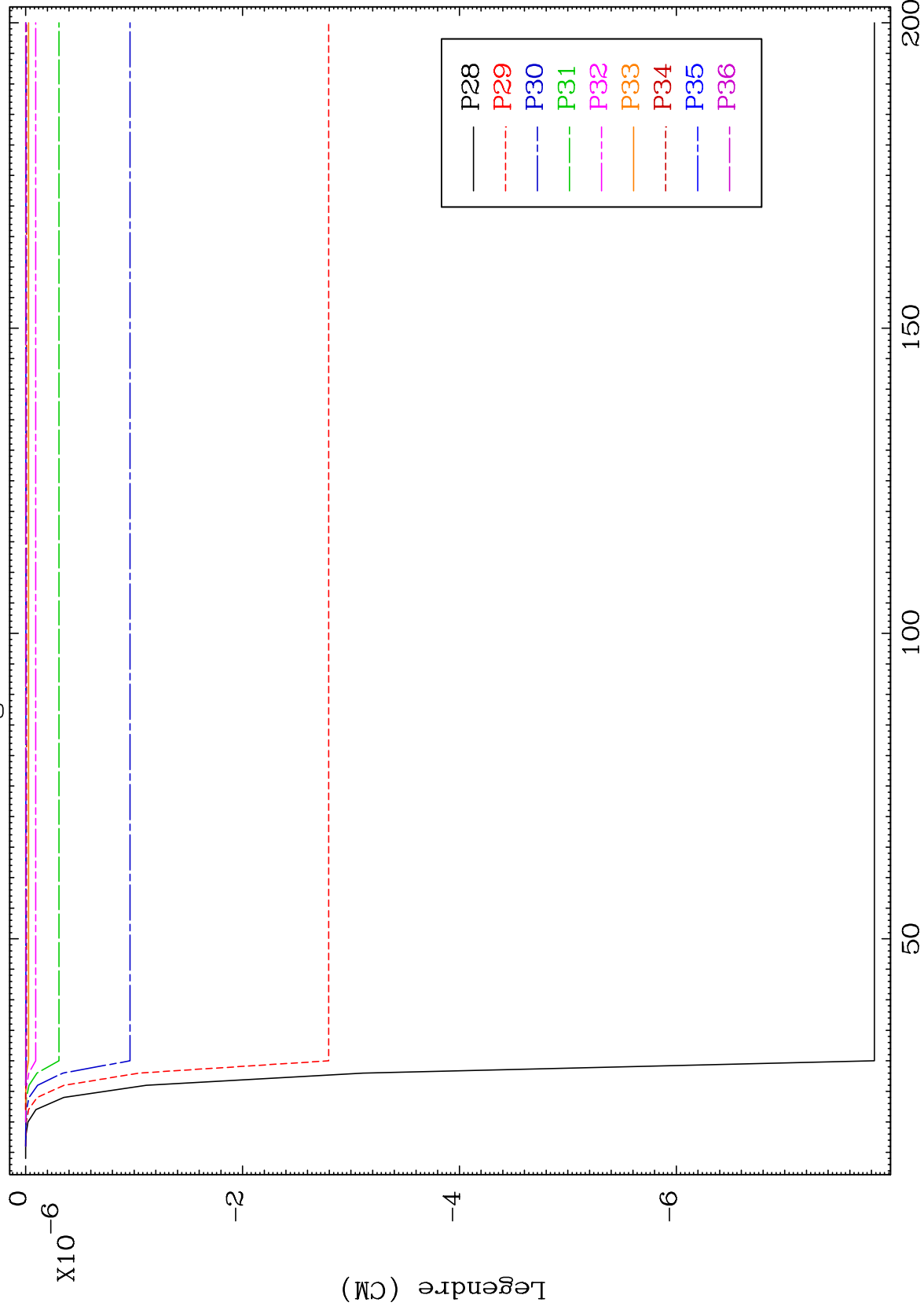
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



107

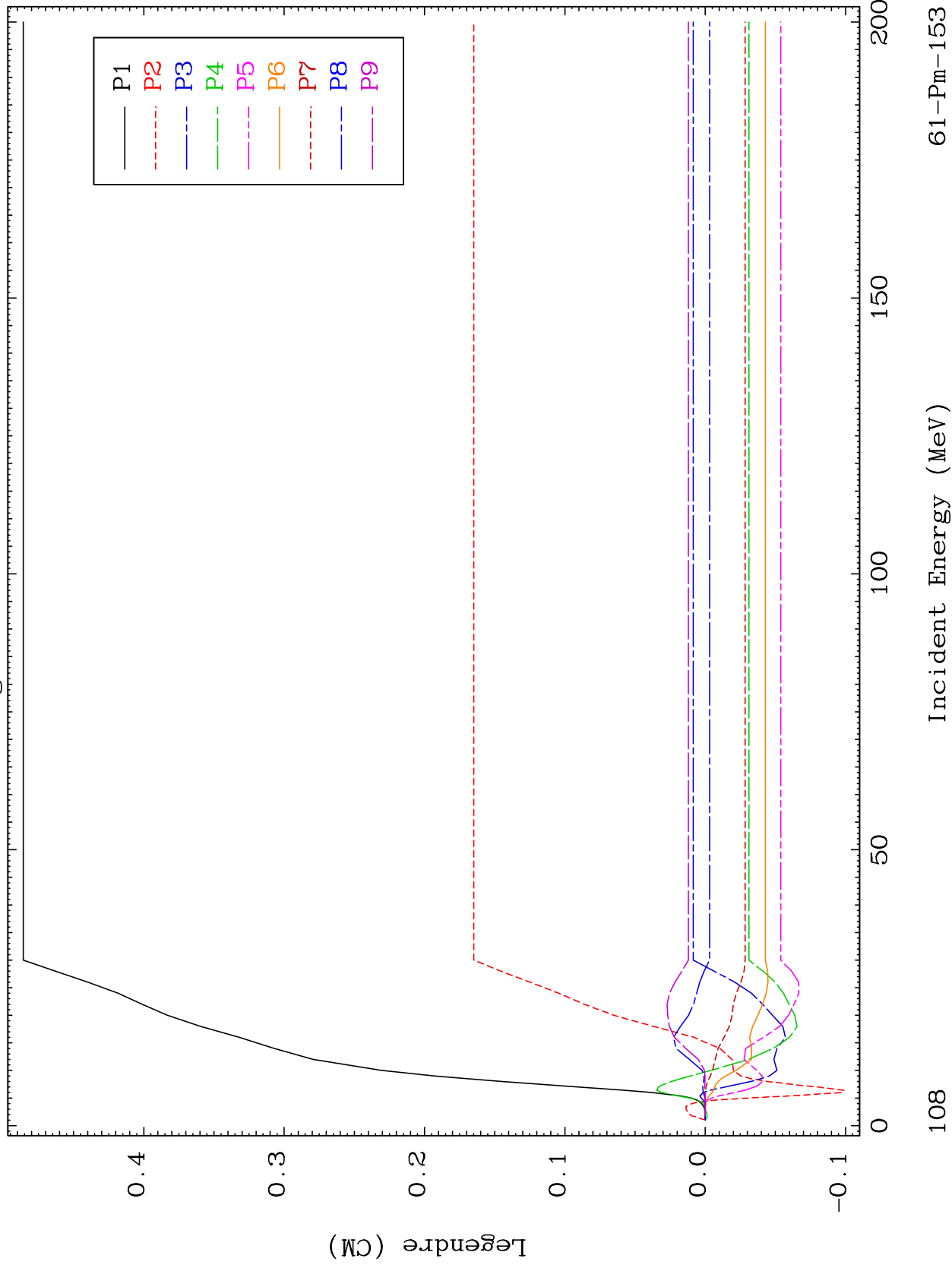
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



61-Pm-153

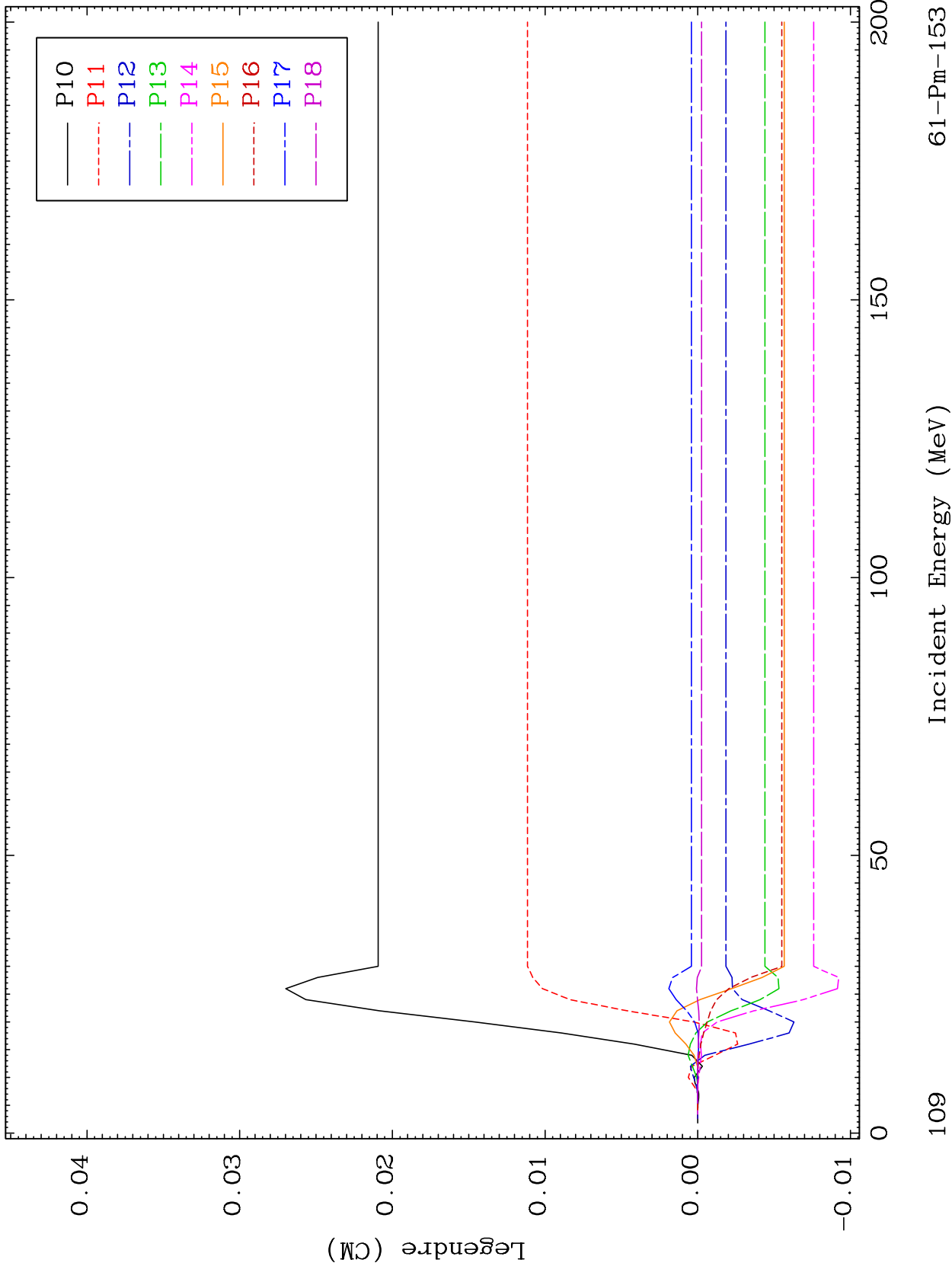
Incident Energy (MeV)

108

MAT 6167

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

61-Pm-153



61-Pm-153

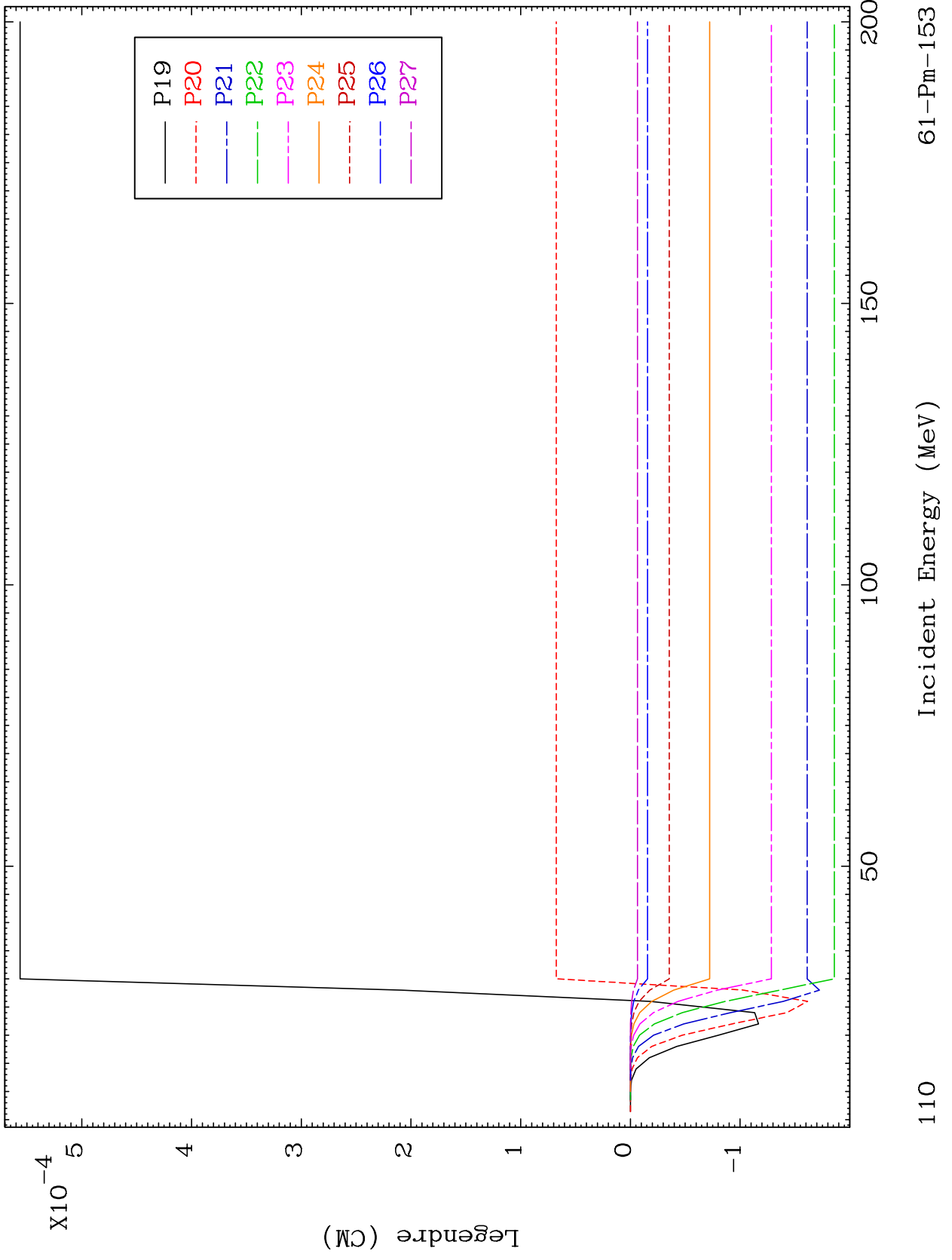
Incident Energy (MeV)

109

MAT 6167

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

61-Pm-153



110

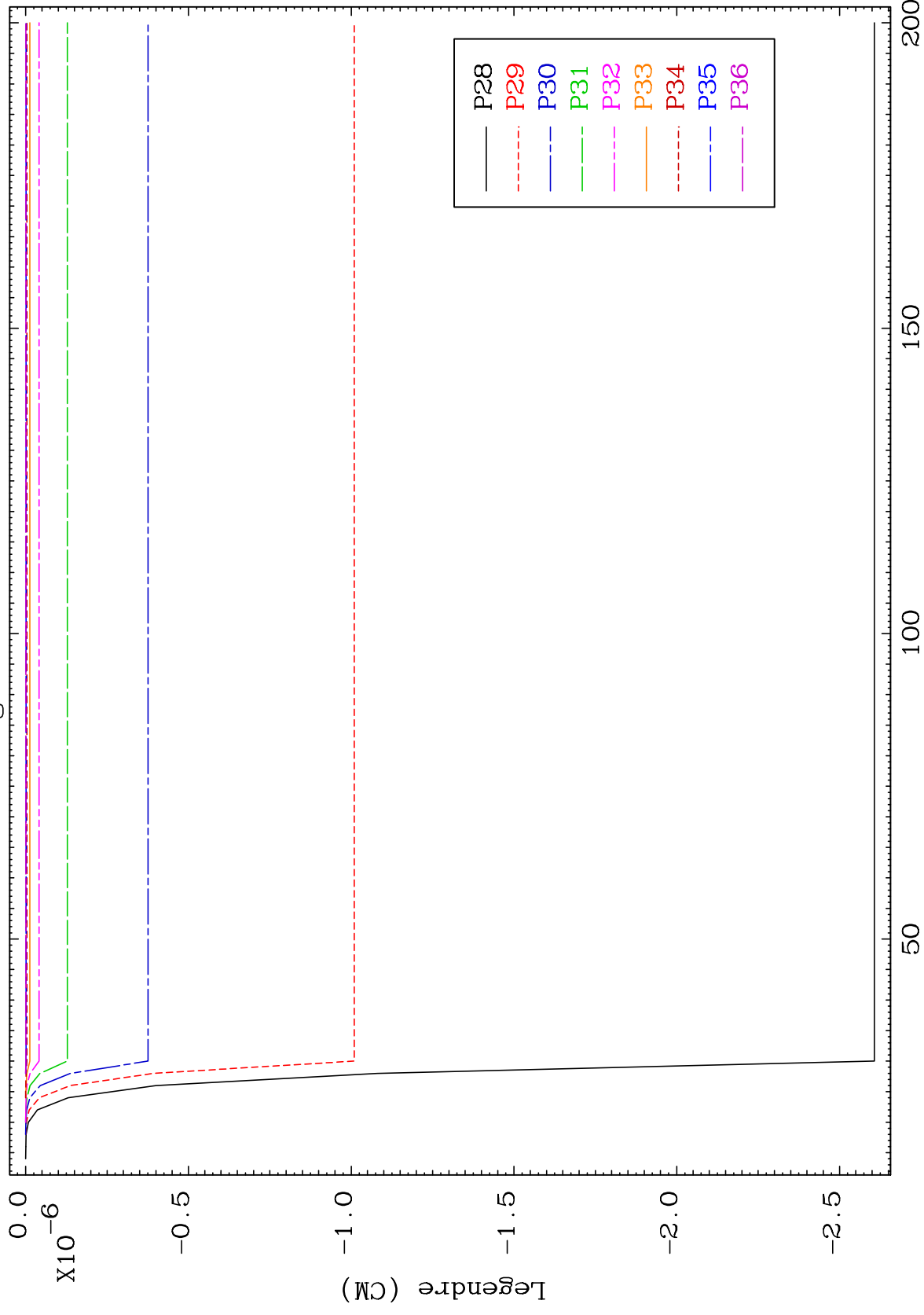
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

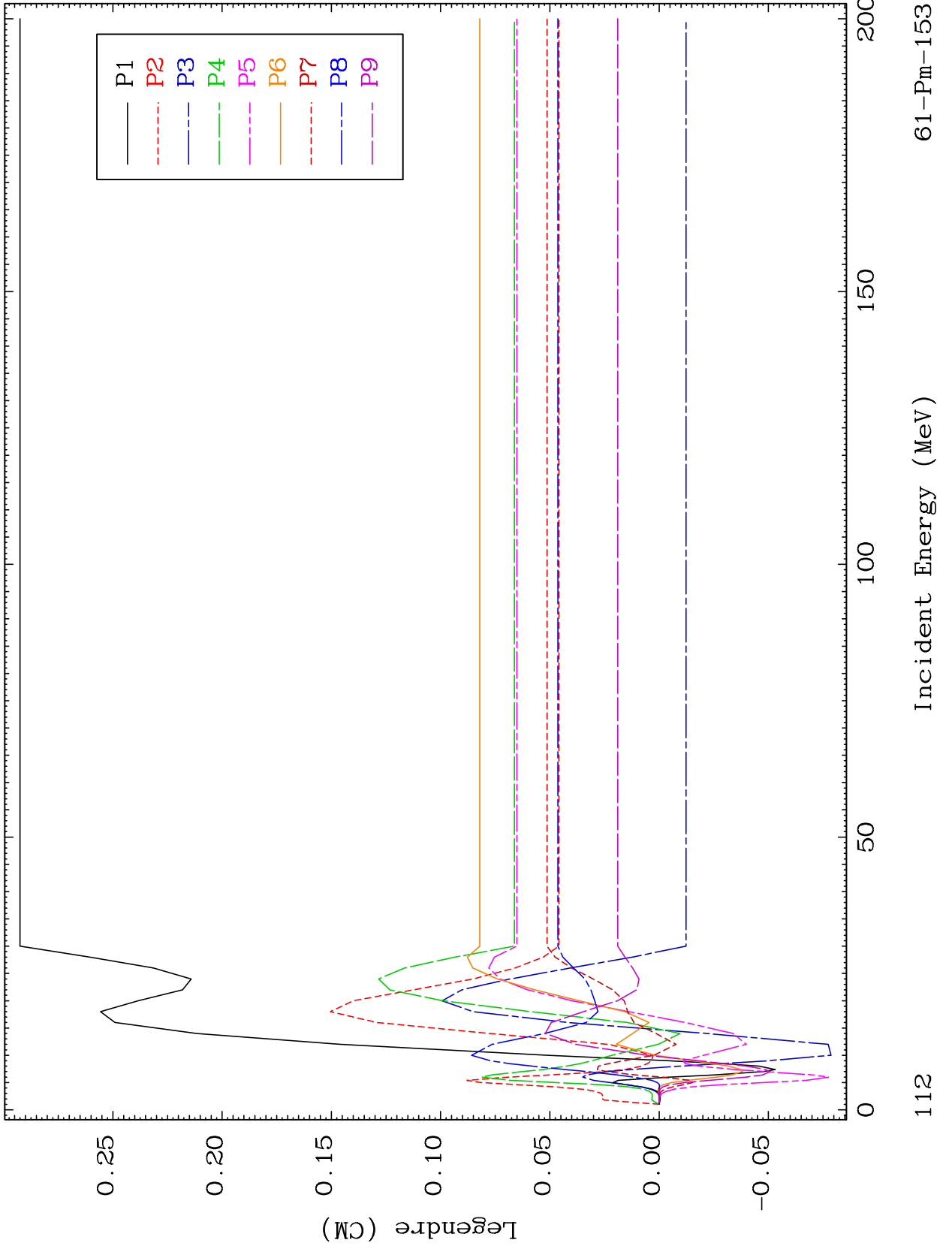
61-Pm-153



MAT 6167

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

61-Pm-153



61-Pm-153

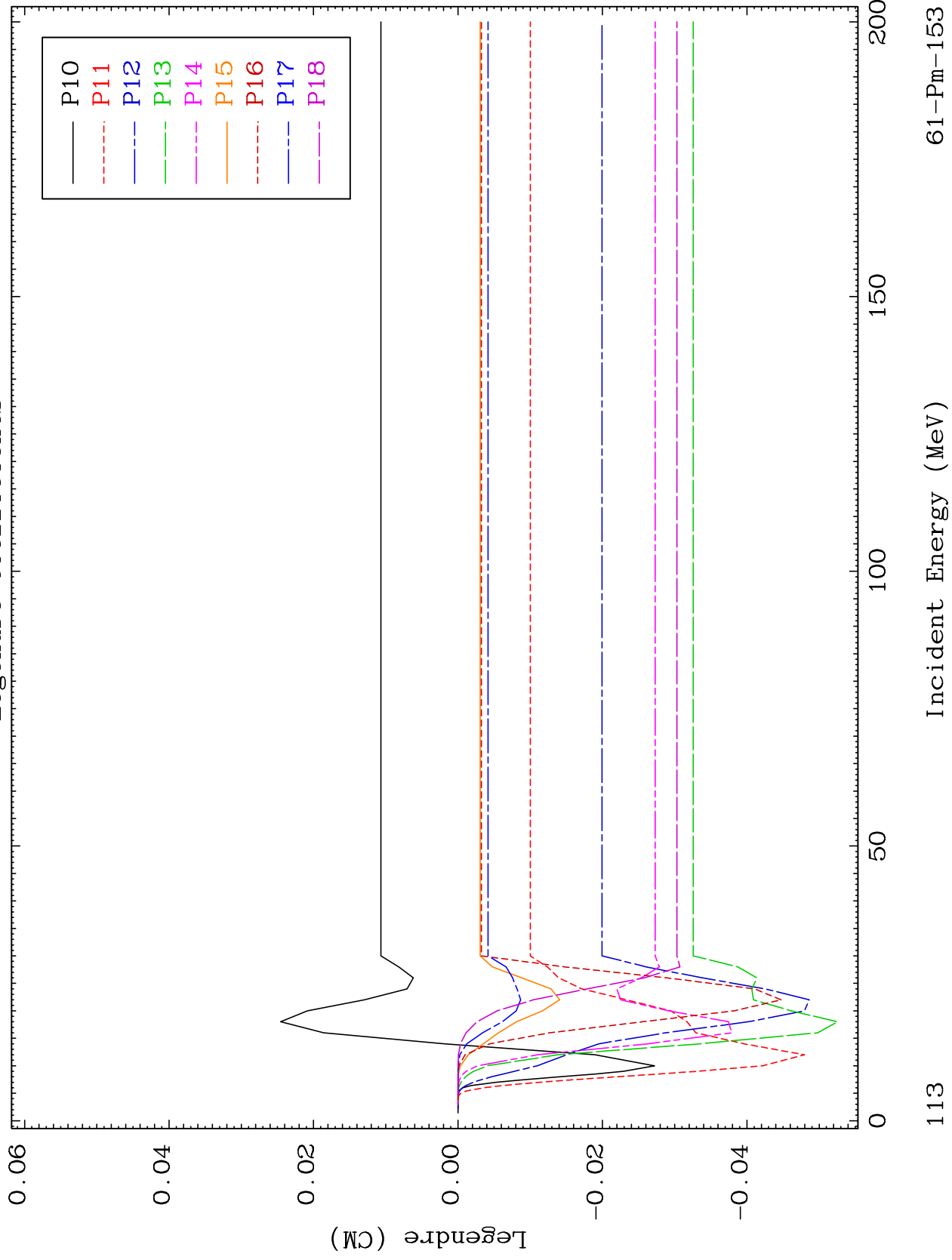
Incident Energy (MeV)

112

MAT 6167

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

61-Pm-153



61-Pm-153

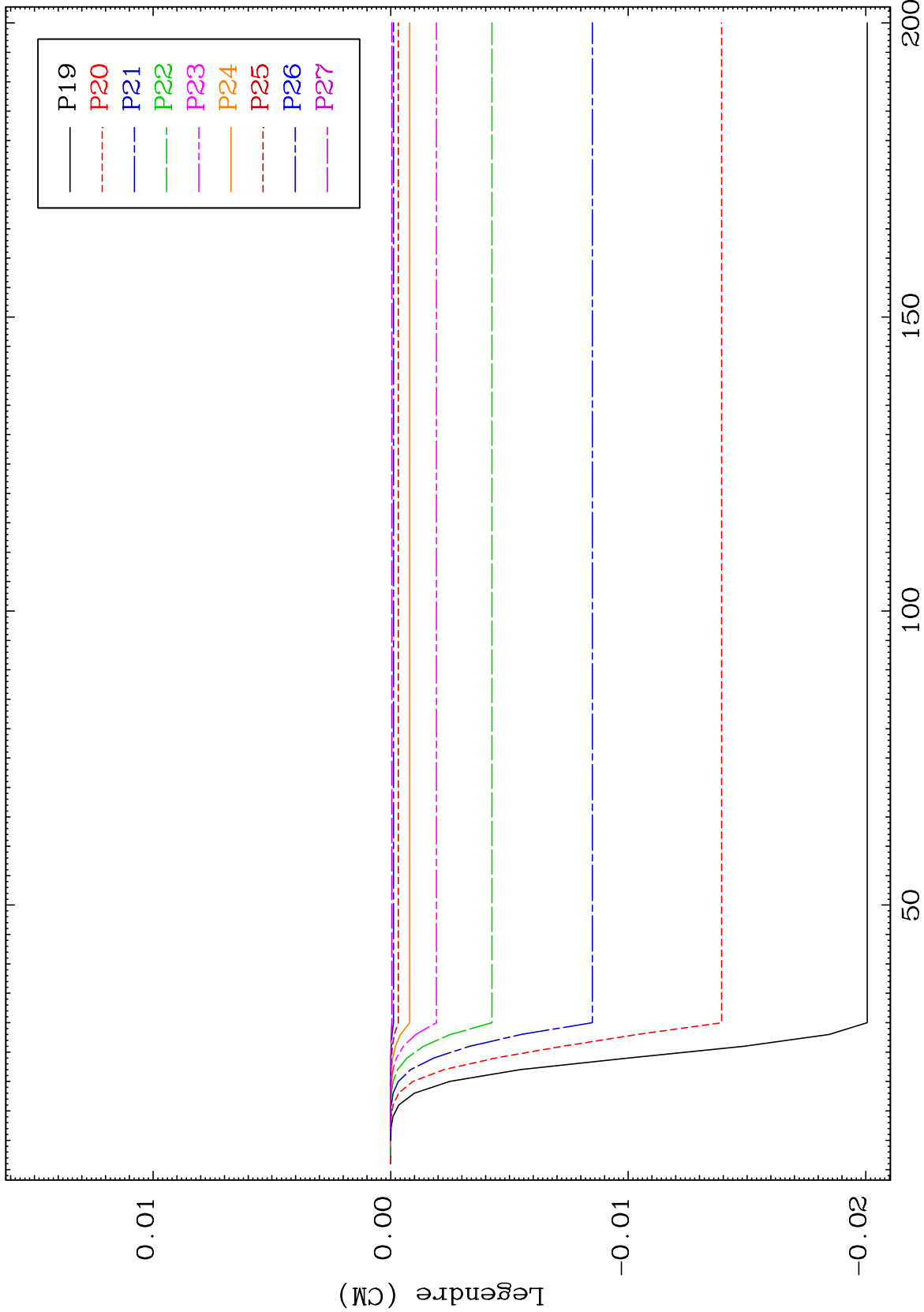
Incident Energy (MeV)

113

MAT 6167

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

61-Pm-153



114

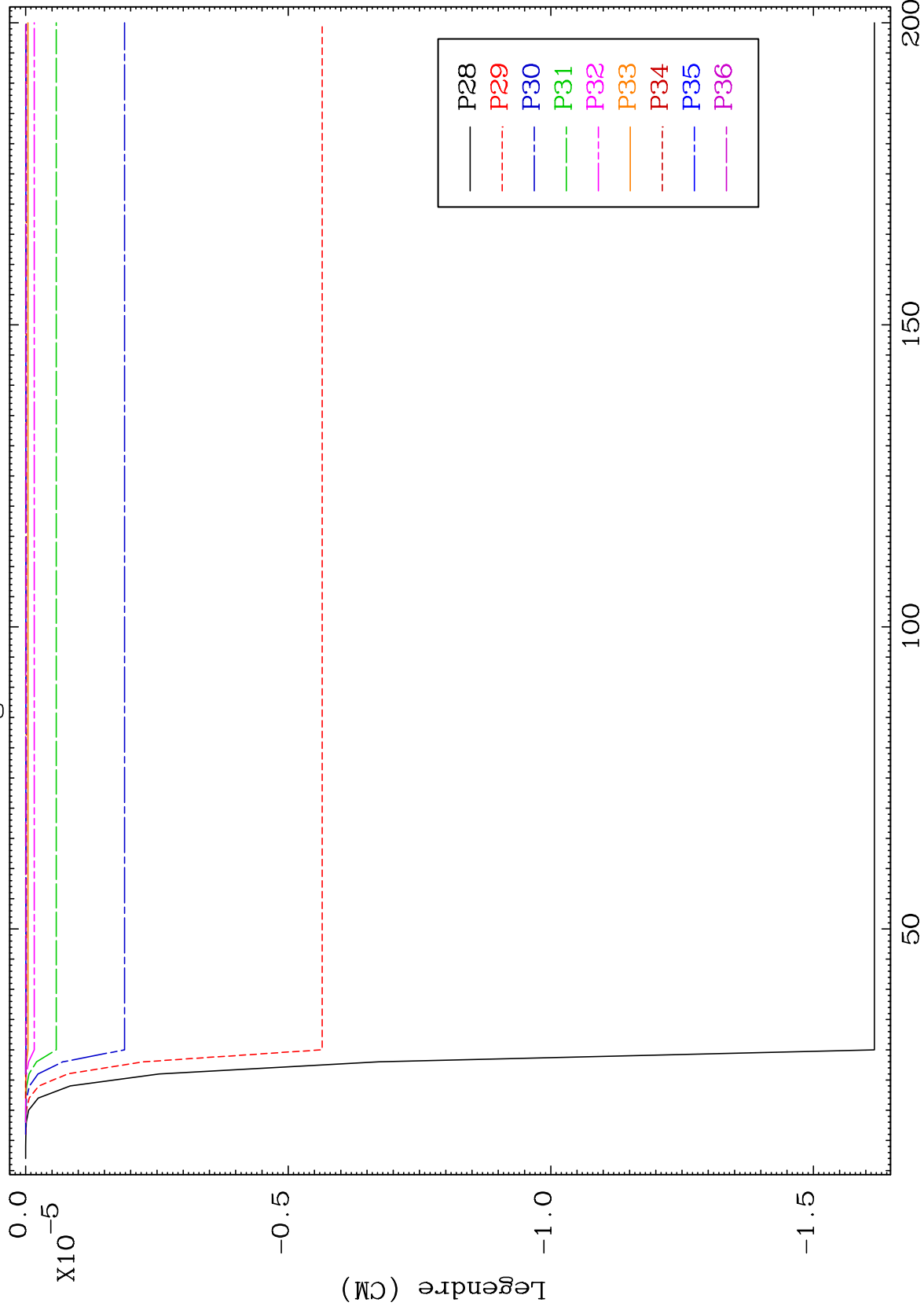
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



61-Pm-153

Incident Energy (MeV)

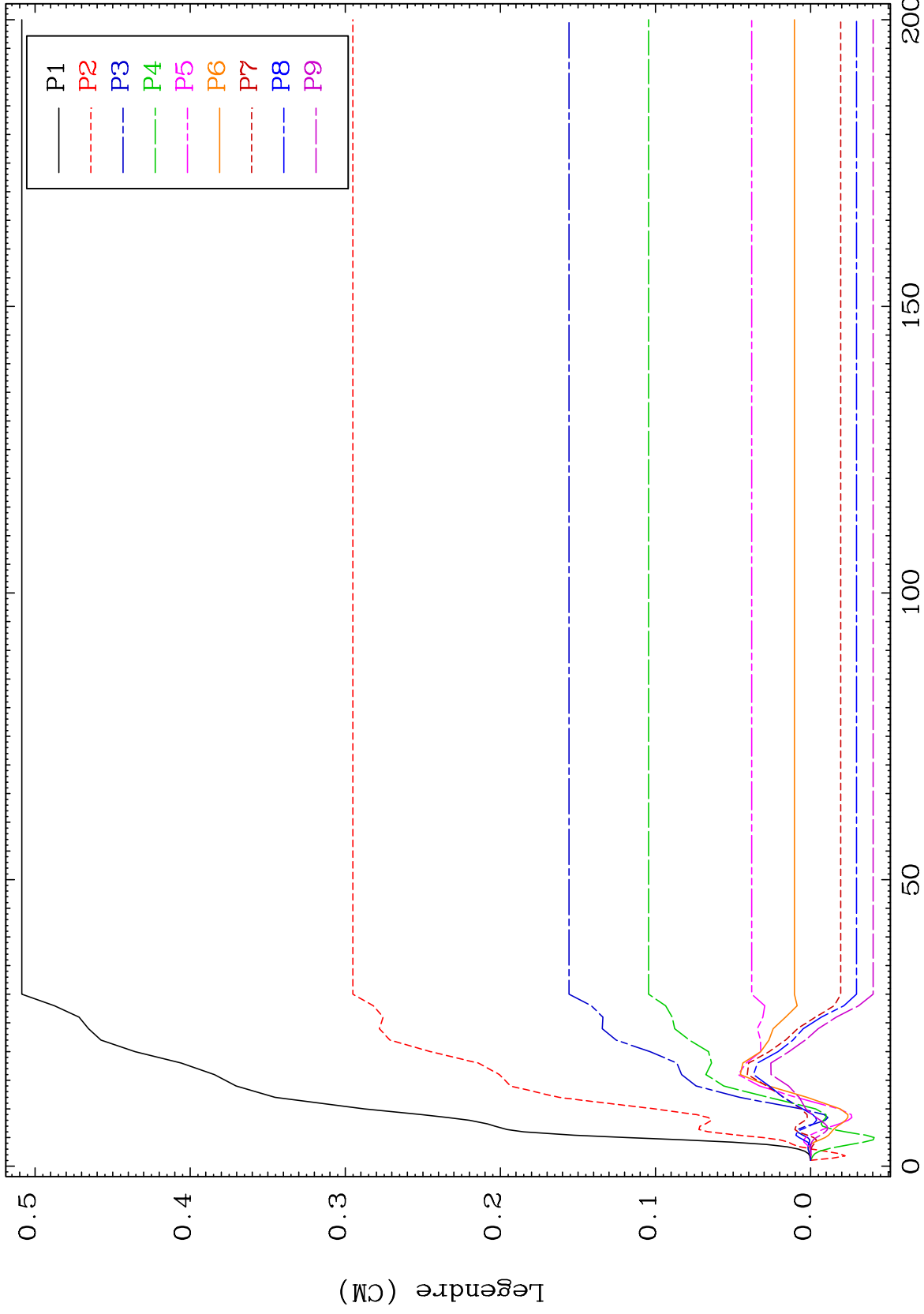
115

MAT 6167

MT= 75 (n,n') Level

61-Pm-153

Legendre Coefficients



116

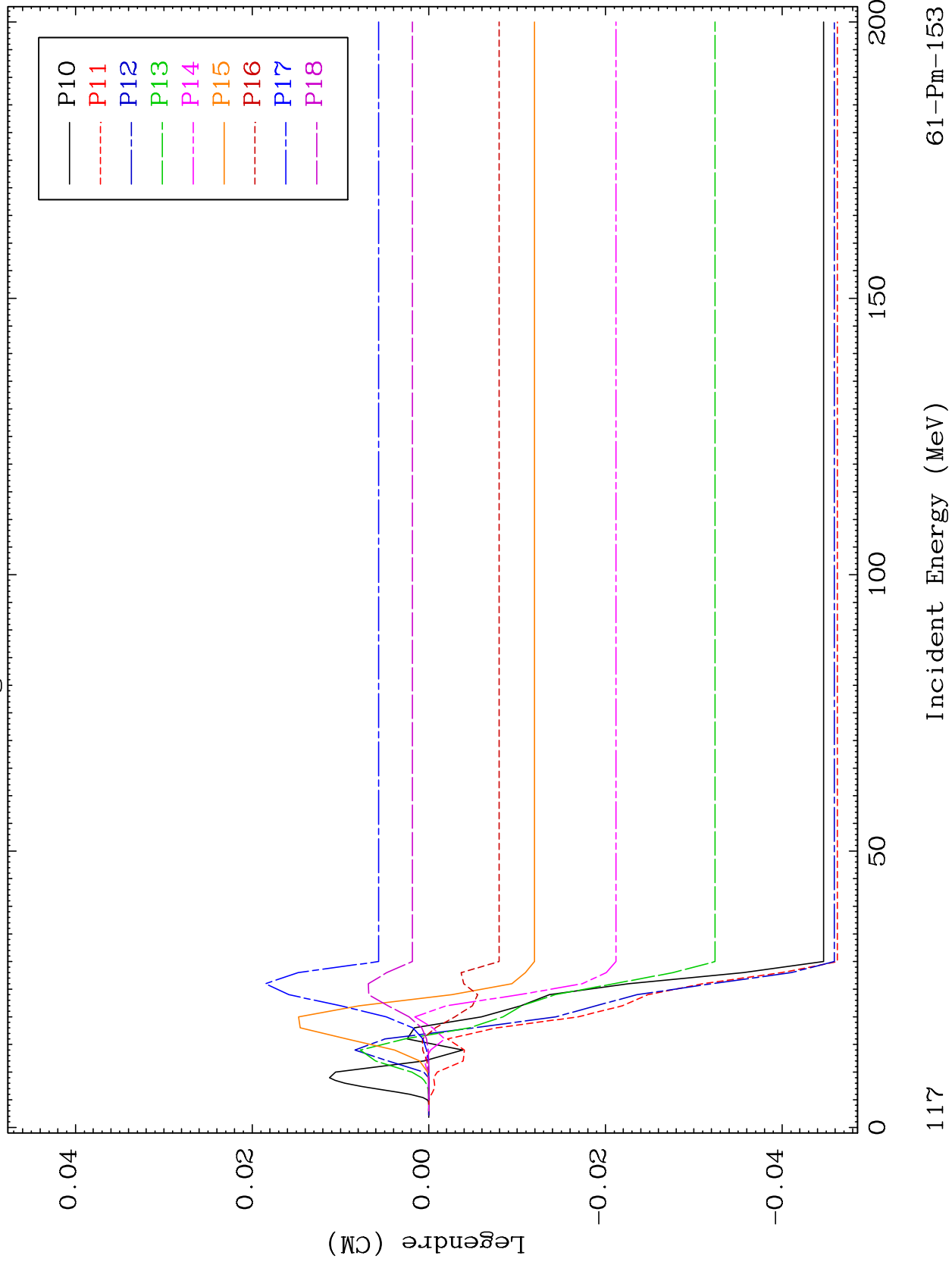
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

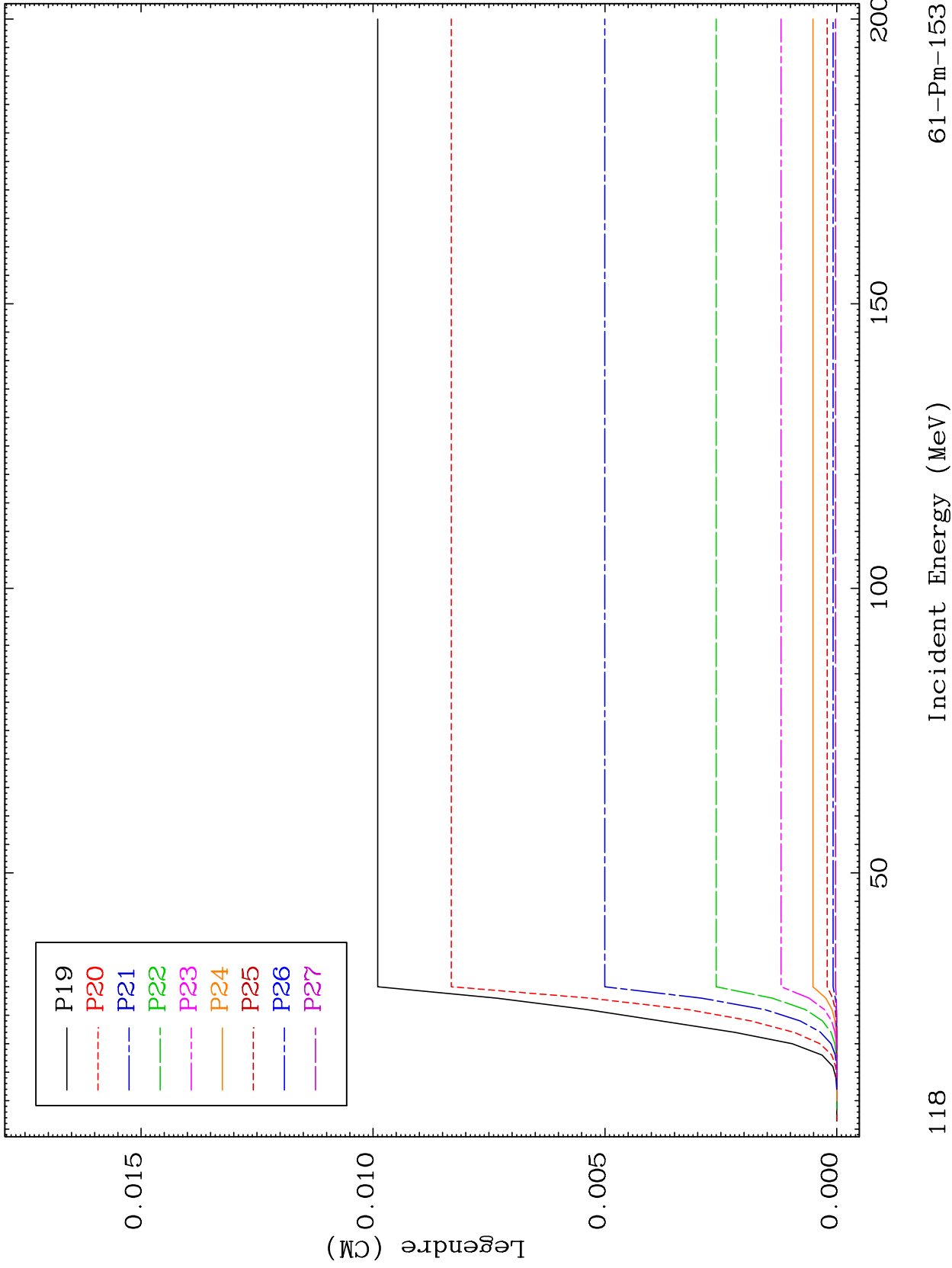
61-Pm-153



61-Pm-153

Incident Energy (MeV)

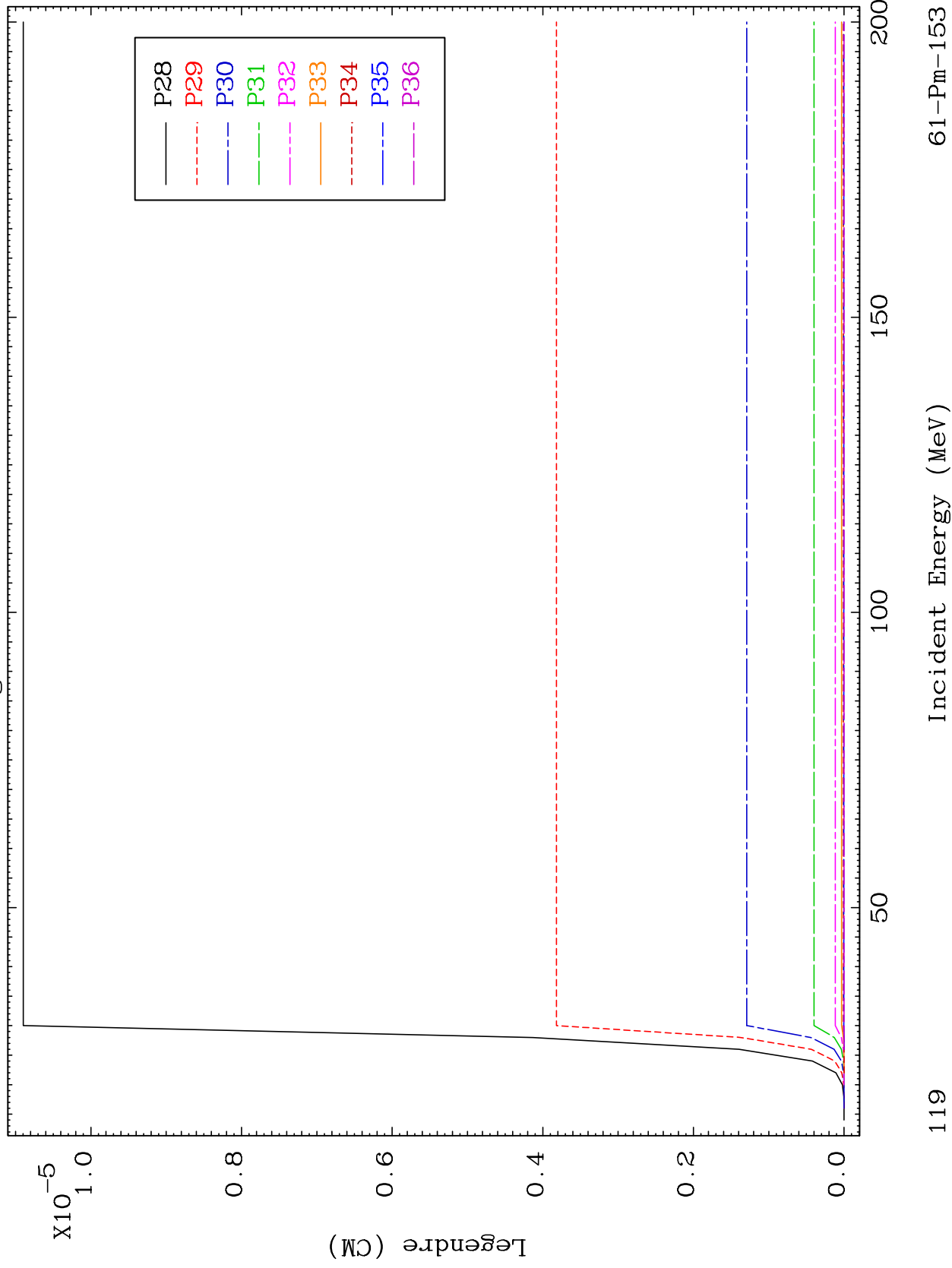
117



MAT 6167

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

61-Pm-153



119

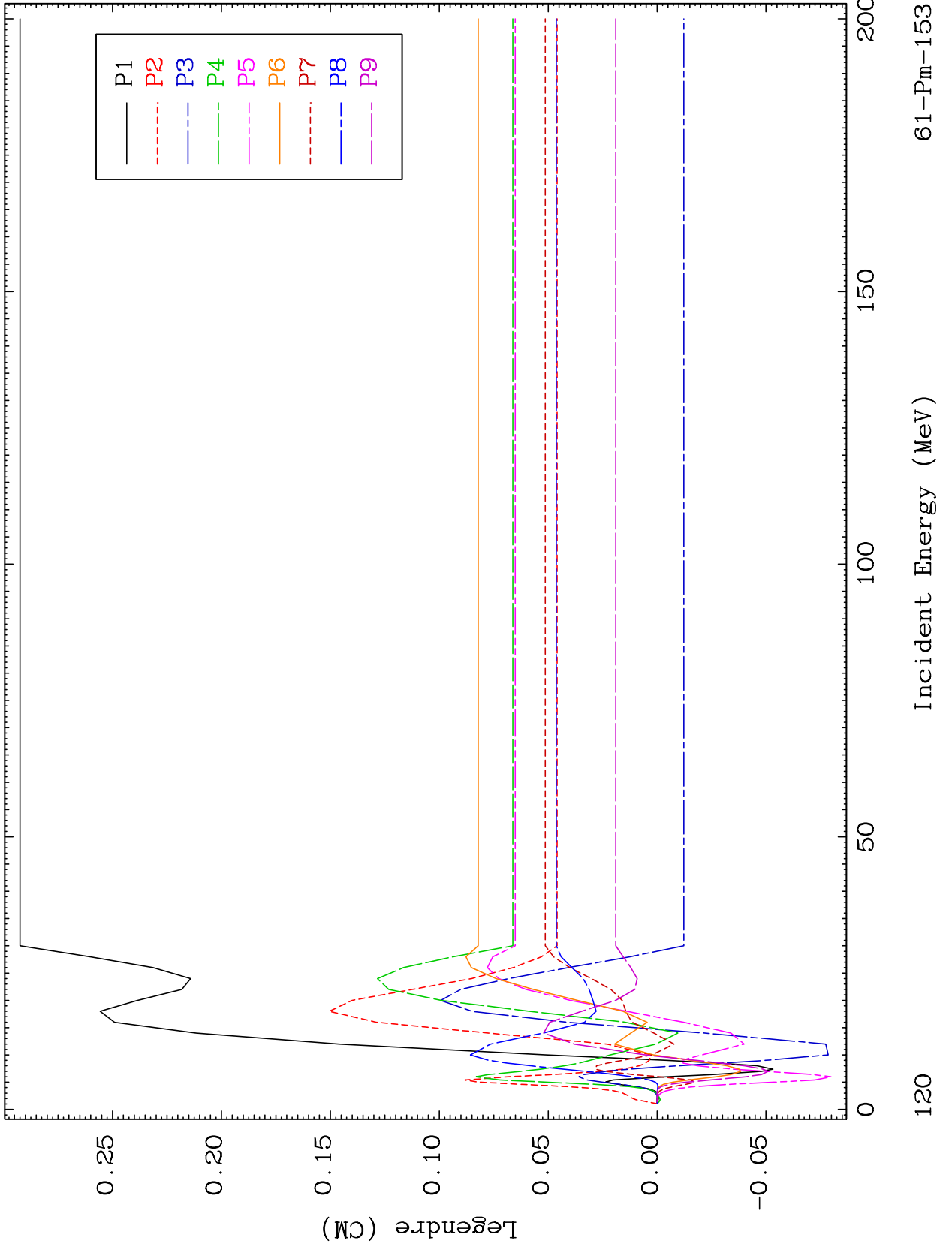
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



61-Pm-153

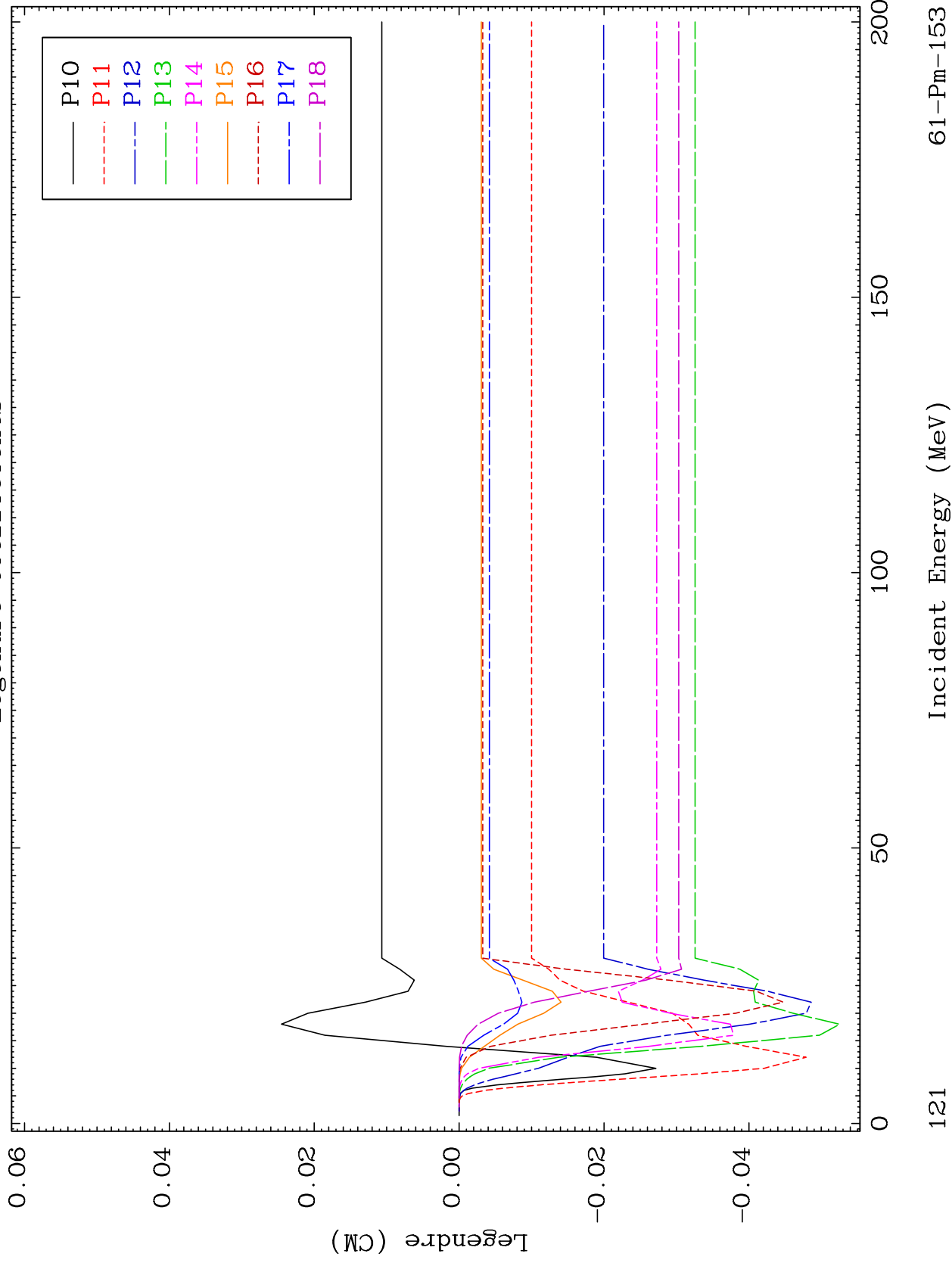
Incident Energy (MeV)

0

MAT 6167

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

61-Pm-153



61-Pm-153

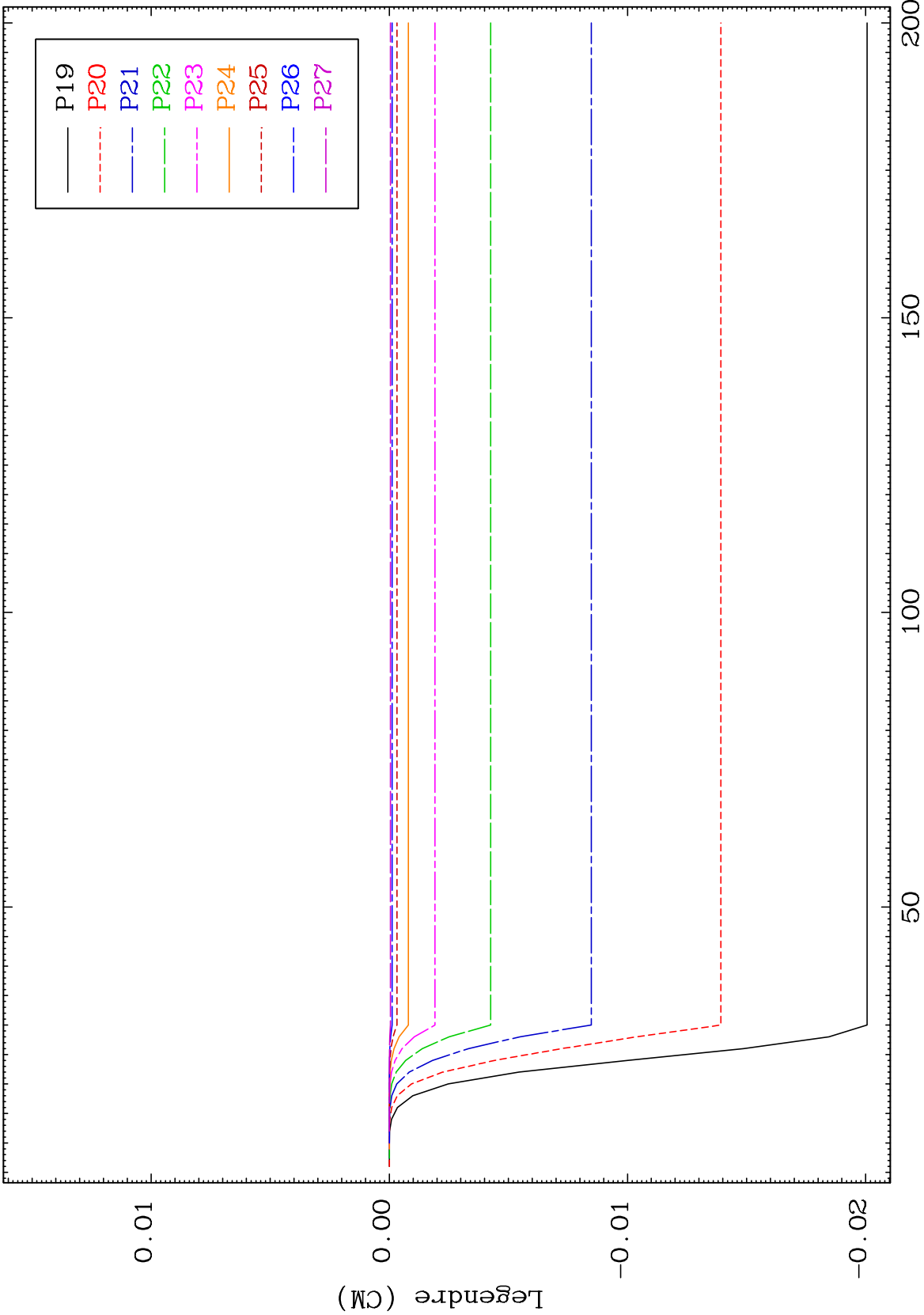
Incident Energy (MeV)

121

MAT 6167

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

61-Pm-153



122

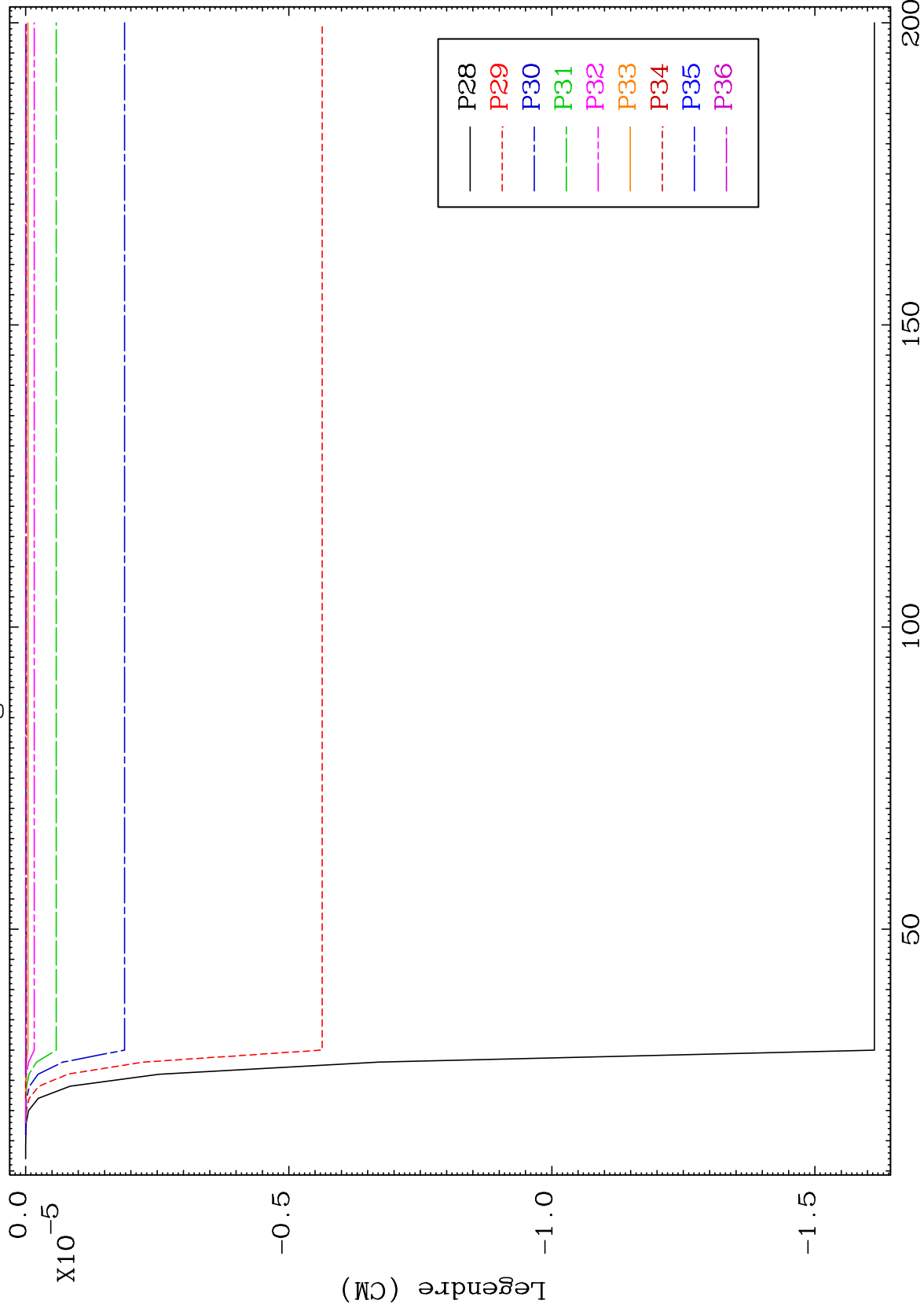
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



123

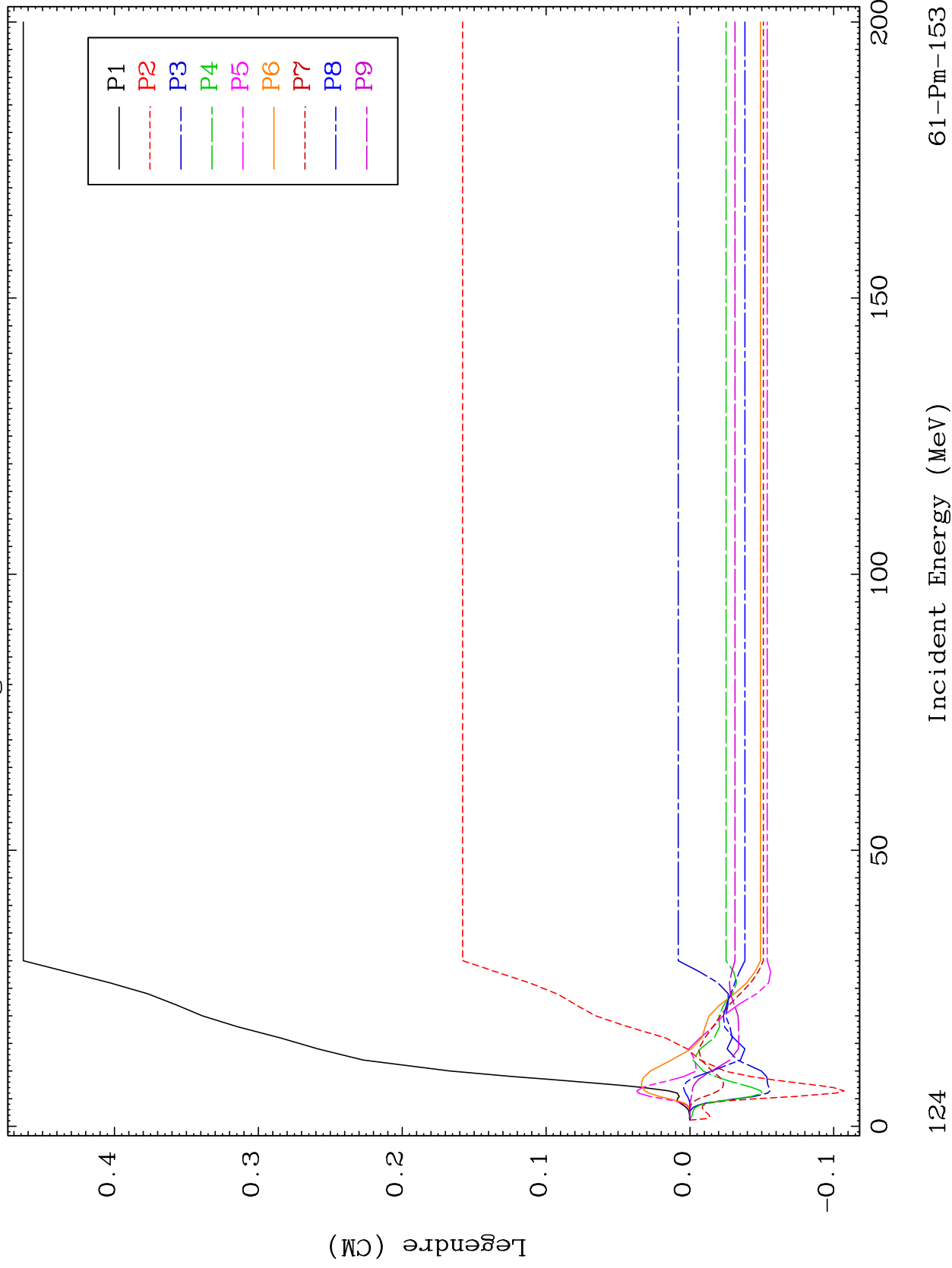
Incident Energy (MeV)

61-Pm-153

MAT 61677

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

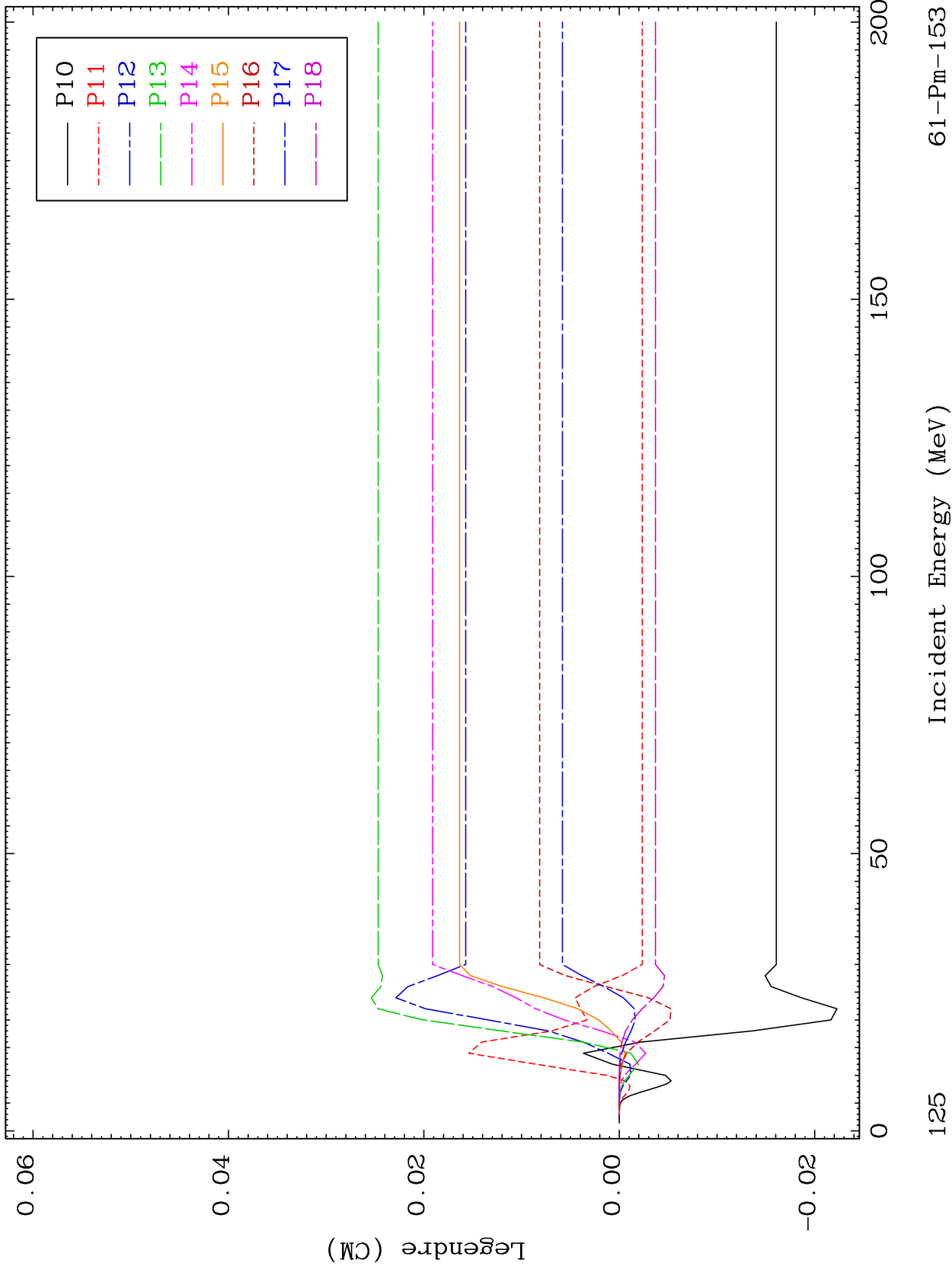
61-Pm-153



MAT 6167

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

61-Pm-153



61-Pm-153

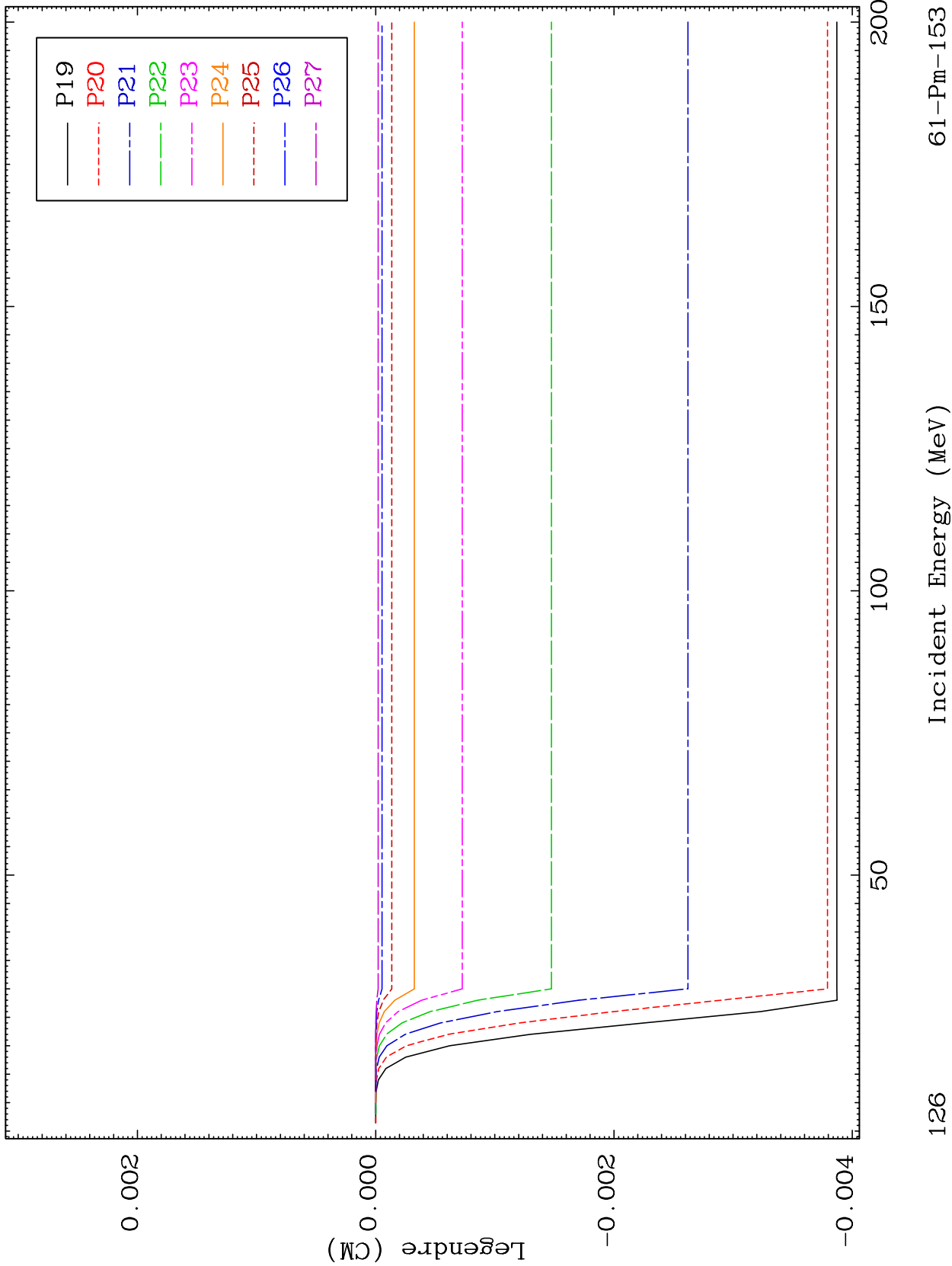
Incident Energy (MeV)

125

MAT 6167

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

61-Pm-153



126

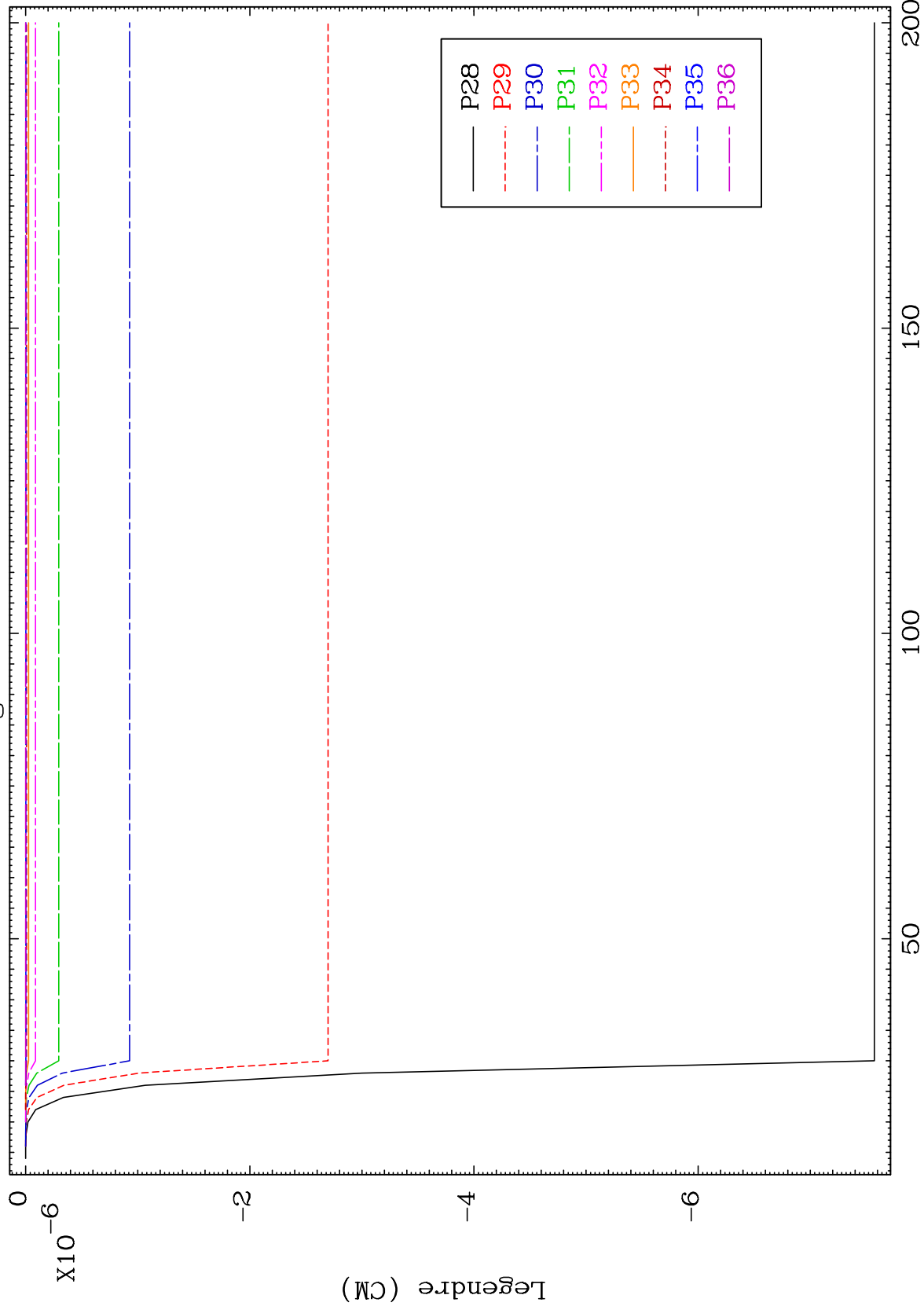
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



127

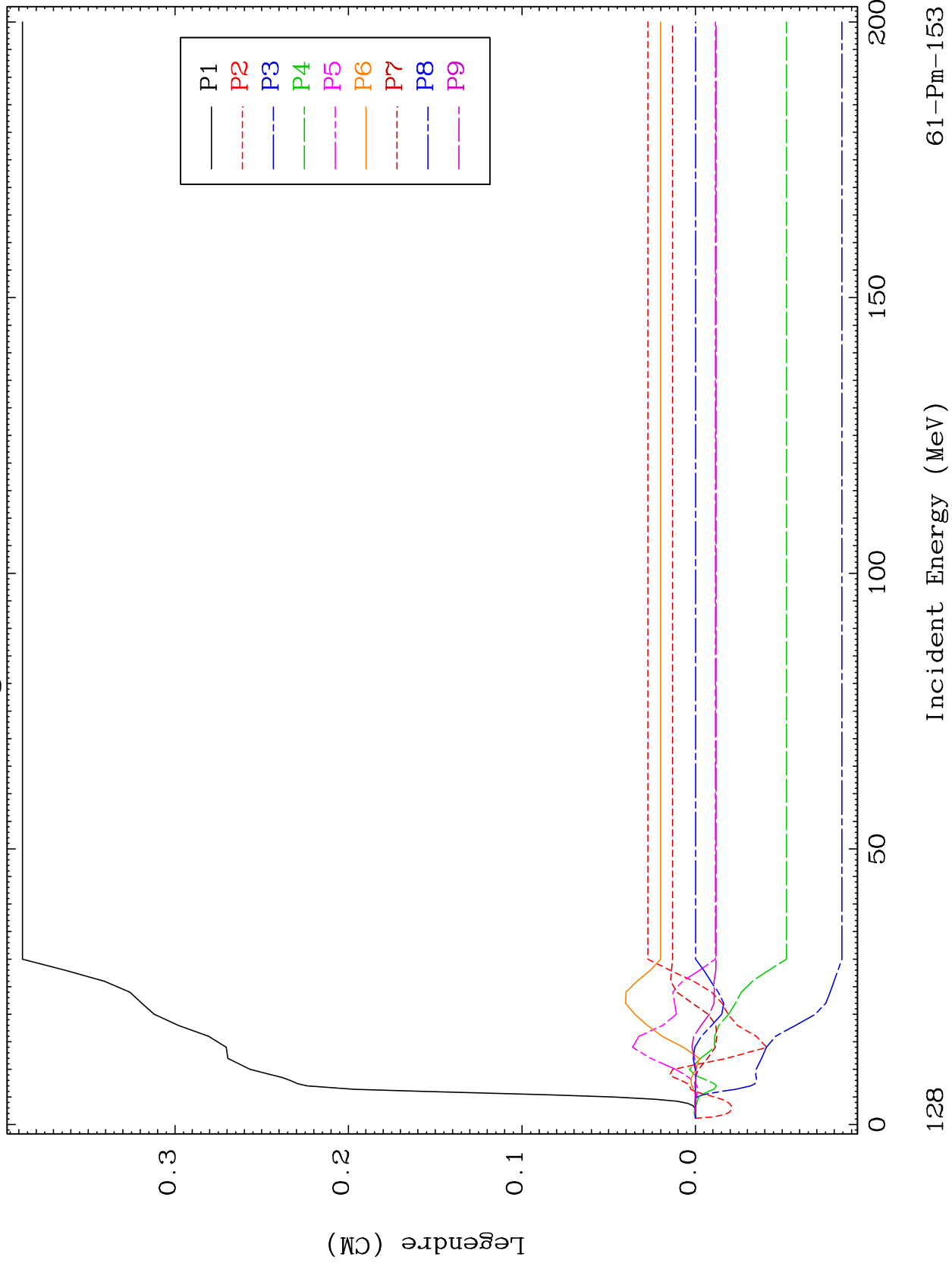
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



61-Pm-153

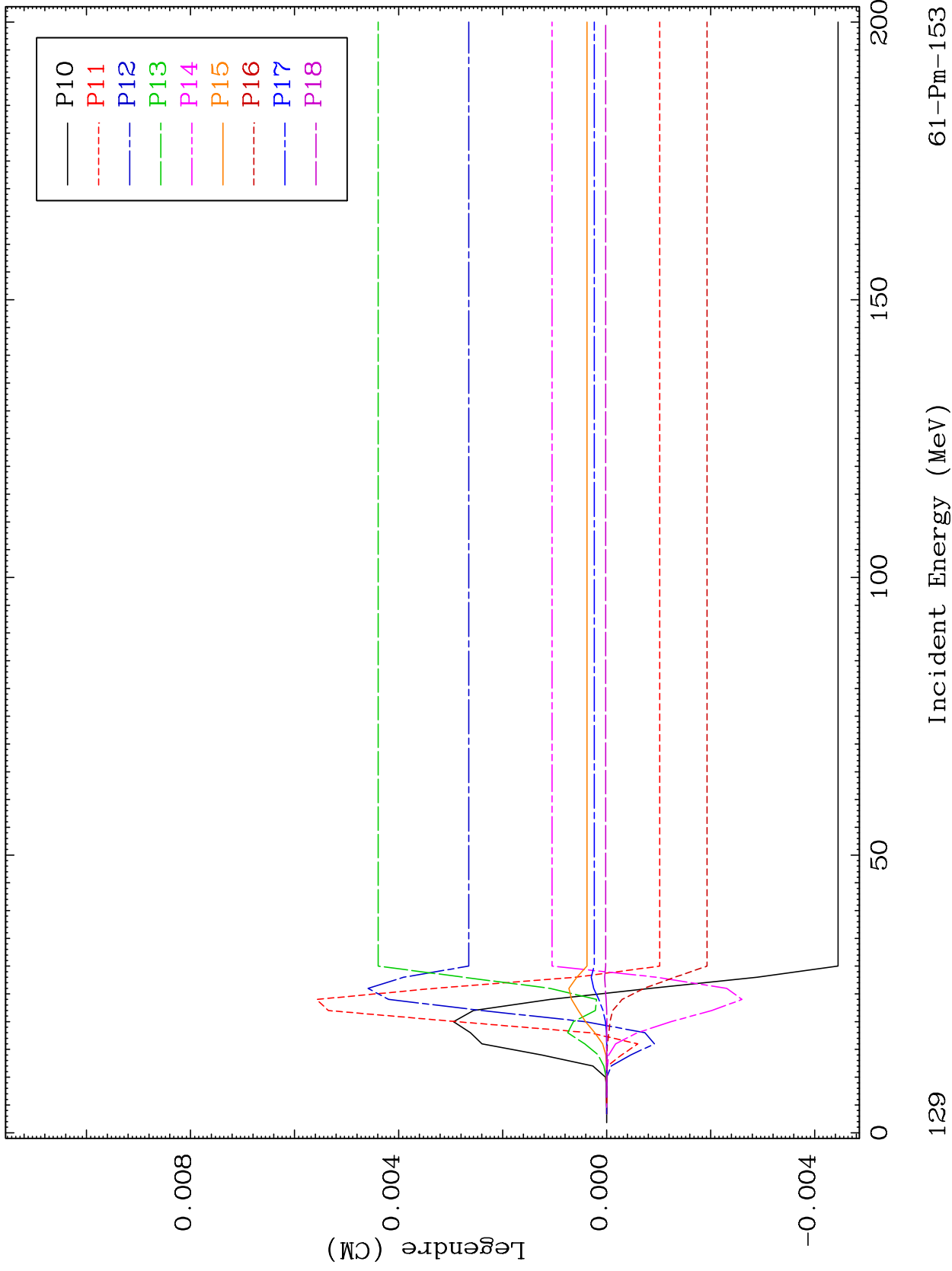
Incident Energy (MeV)

128

MAT 6167

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

61-Pm-153



129

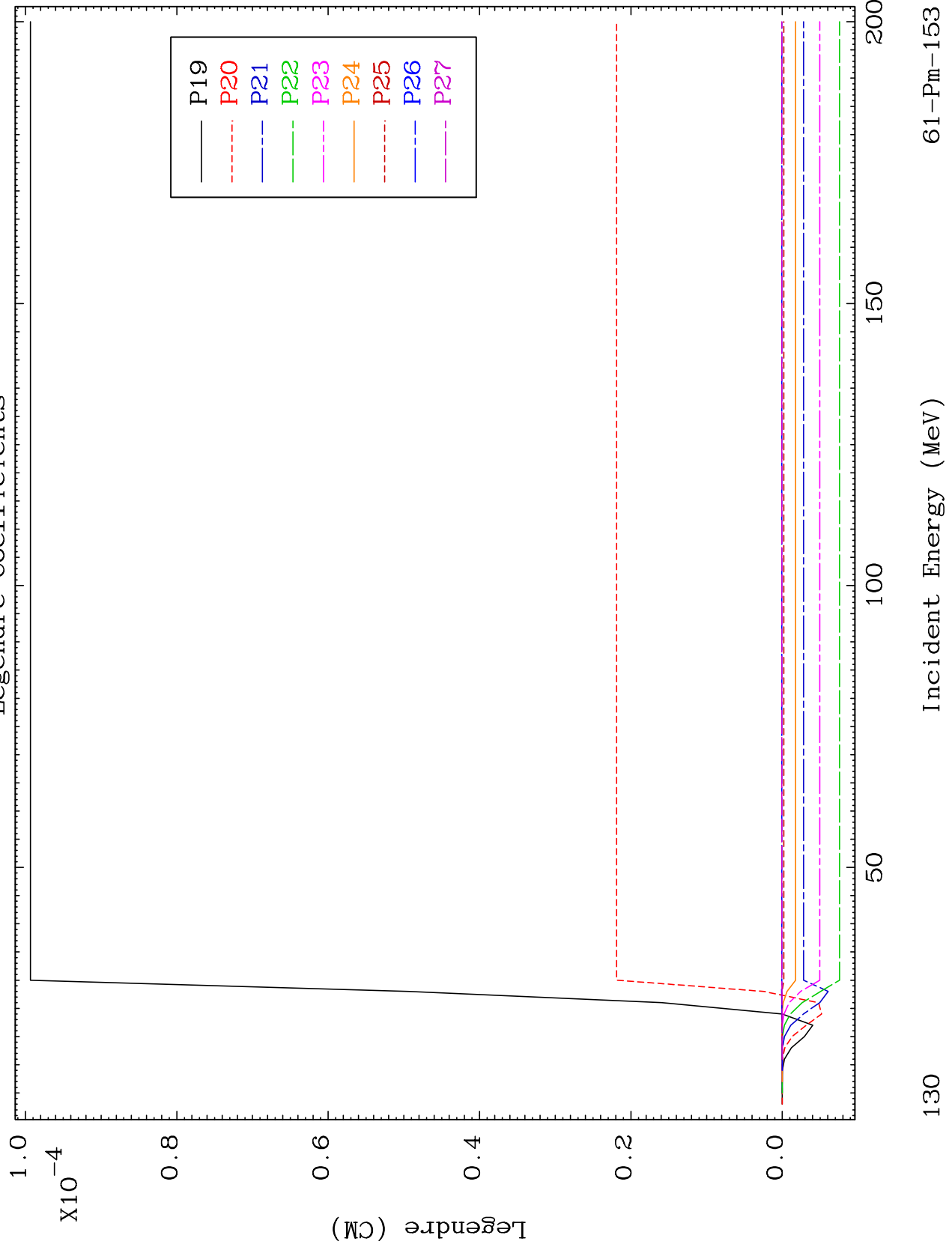
Incident Energy (MeV)

61-Pm-153

MAT 61677

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

61-Pm-153



130

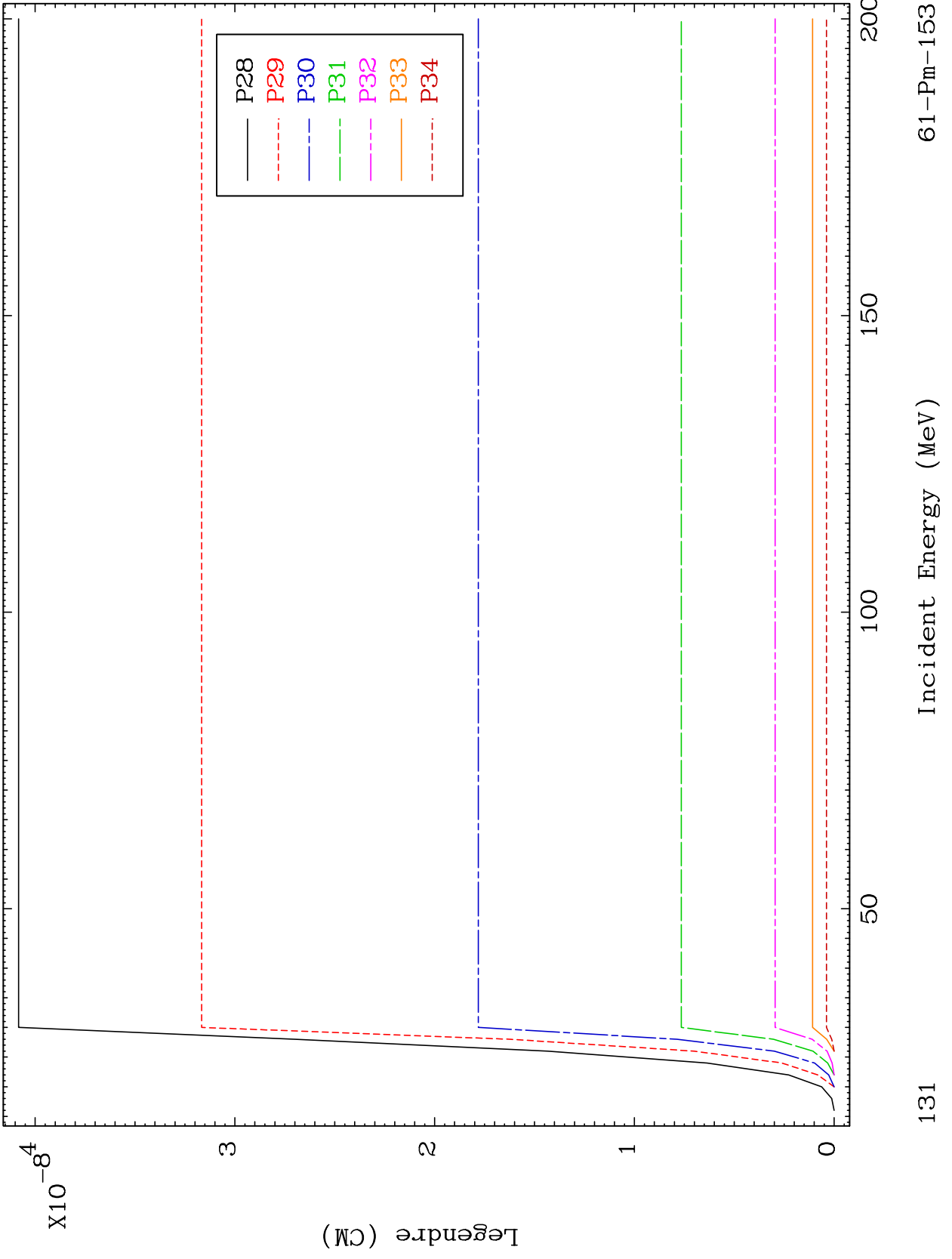
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

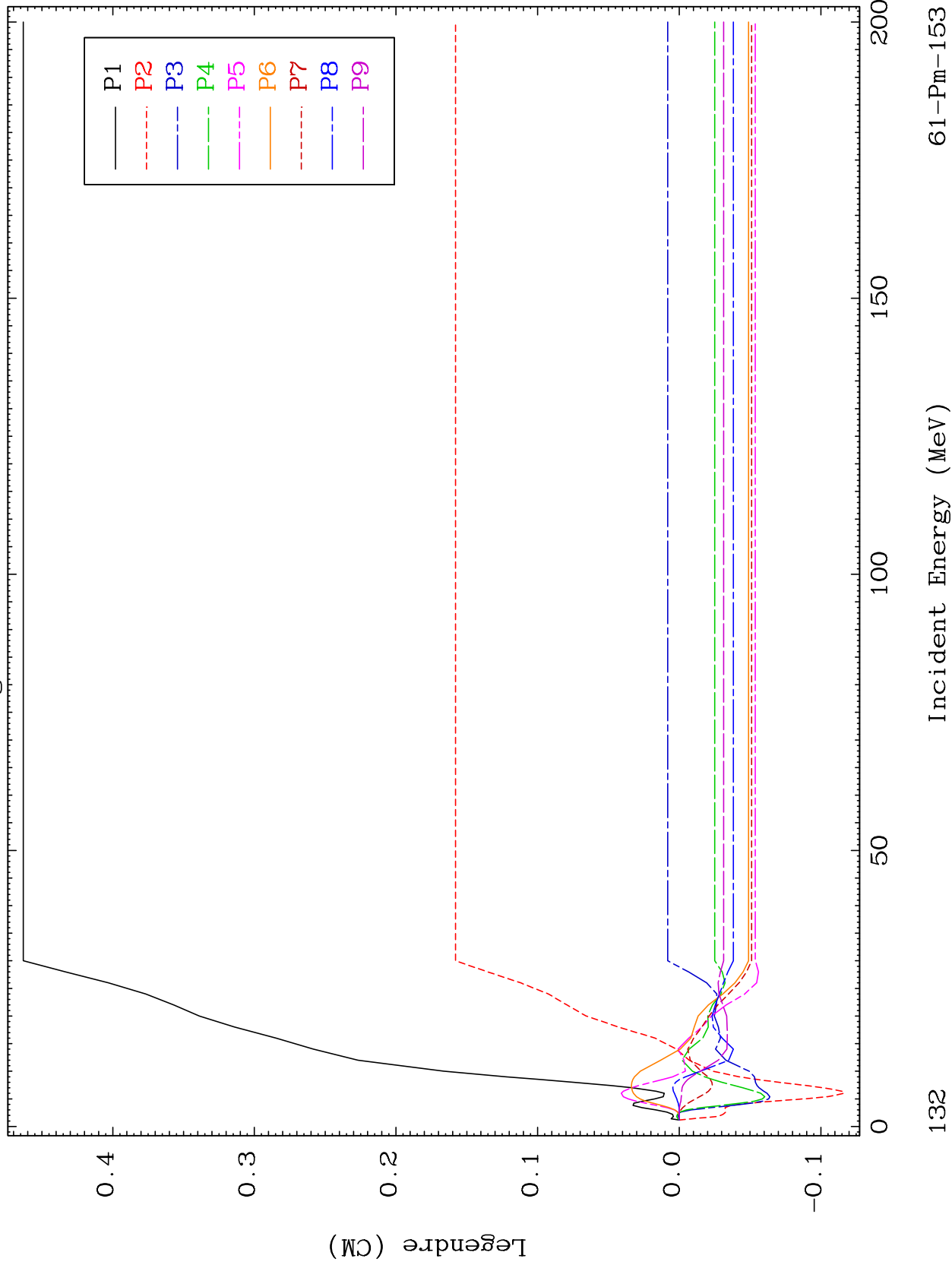
61-Pm-153



MAT 6167

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

61-Pm-153



61-Pm-153

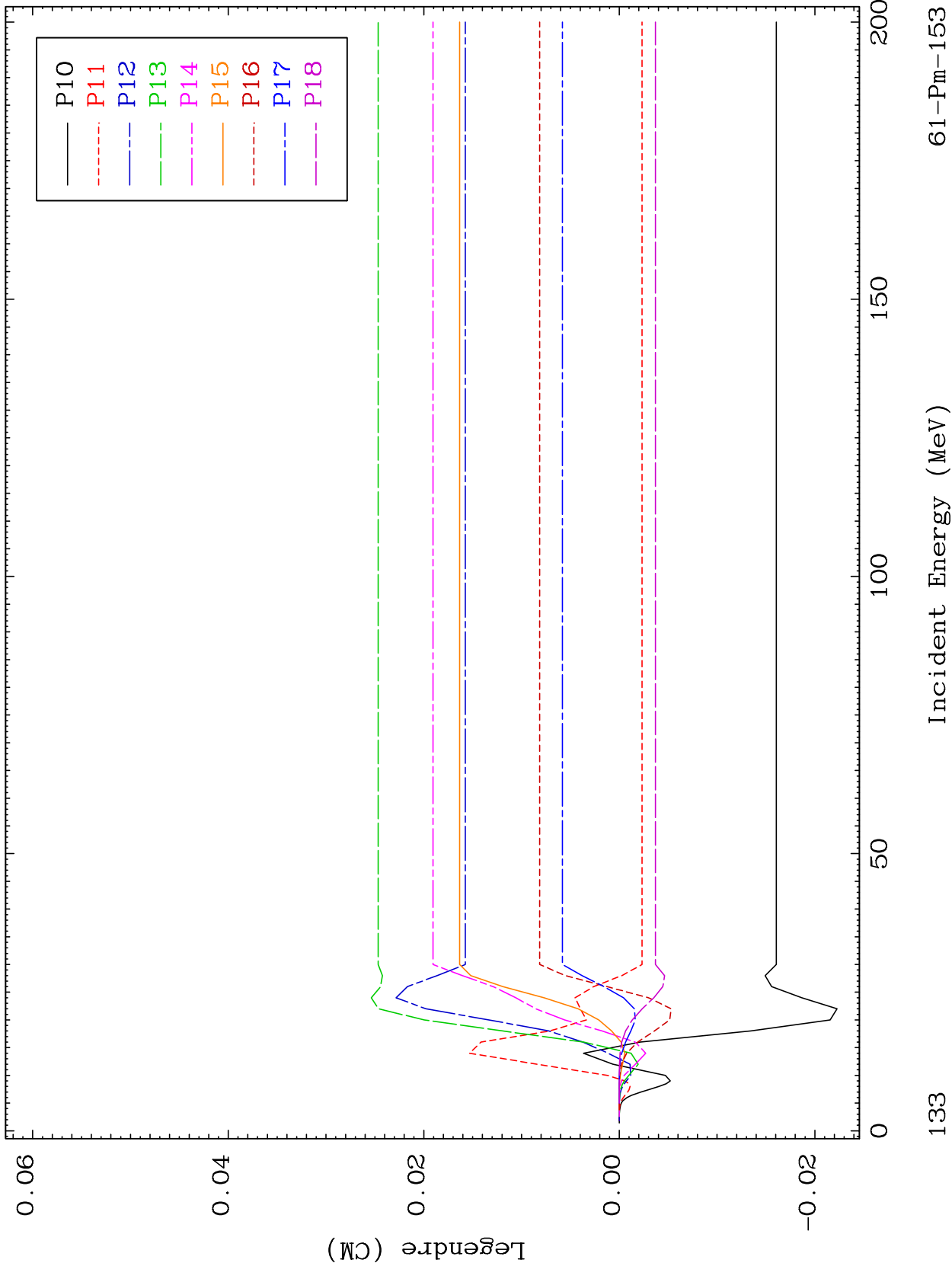
Incident Energy (MeV)

132

MAT 6167

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

61-Pm-153



61-Pm-153

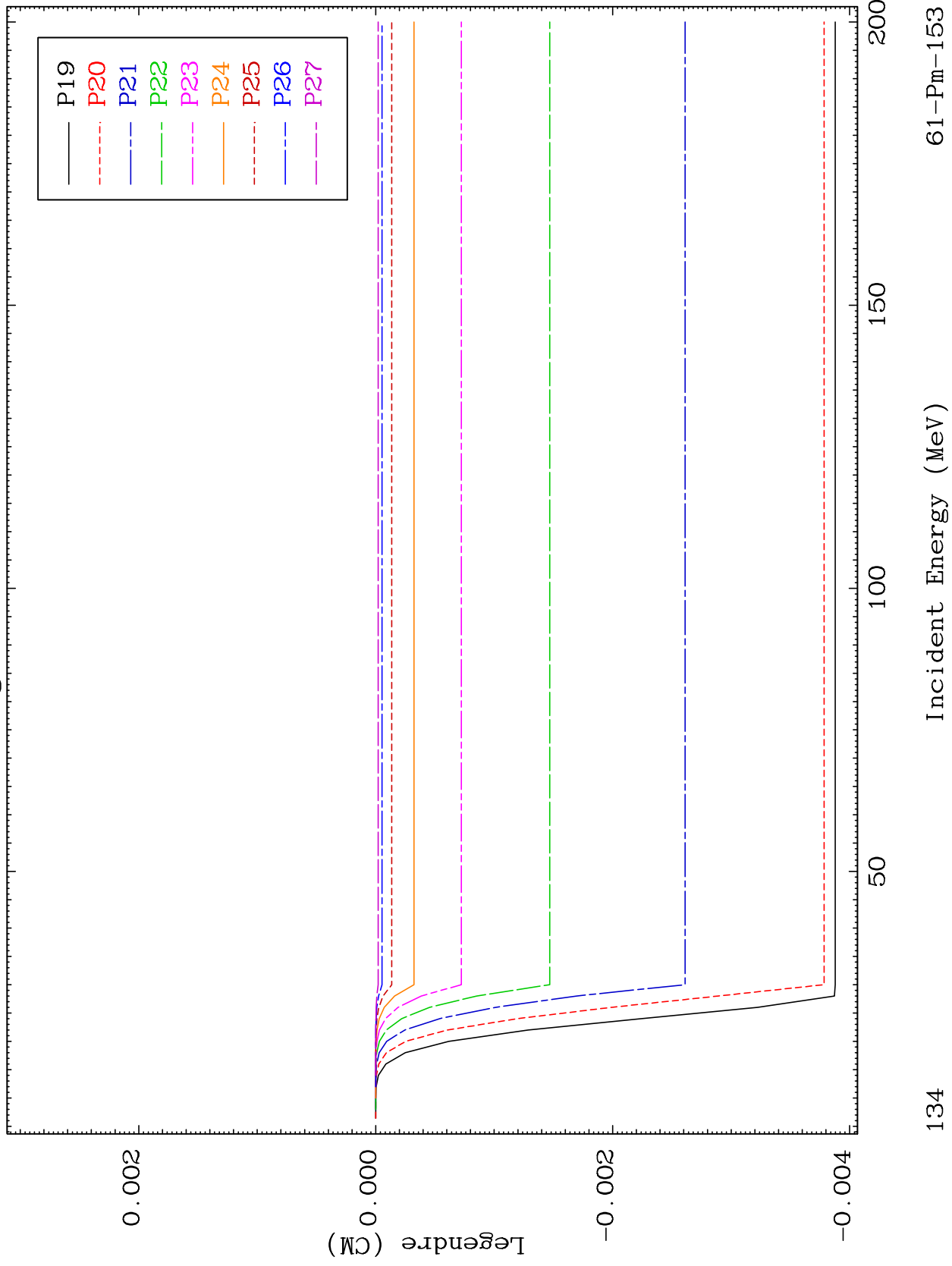
Incident Energy (MeV)

133

MAT 6167

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

61-Pm-153



134

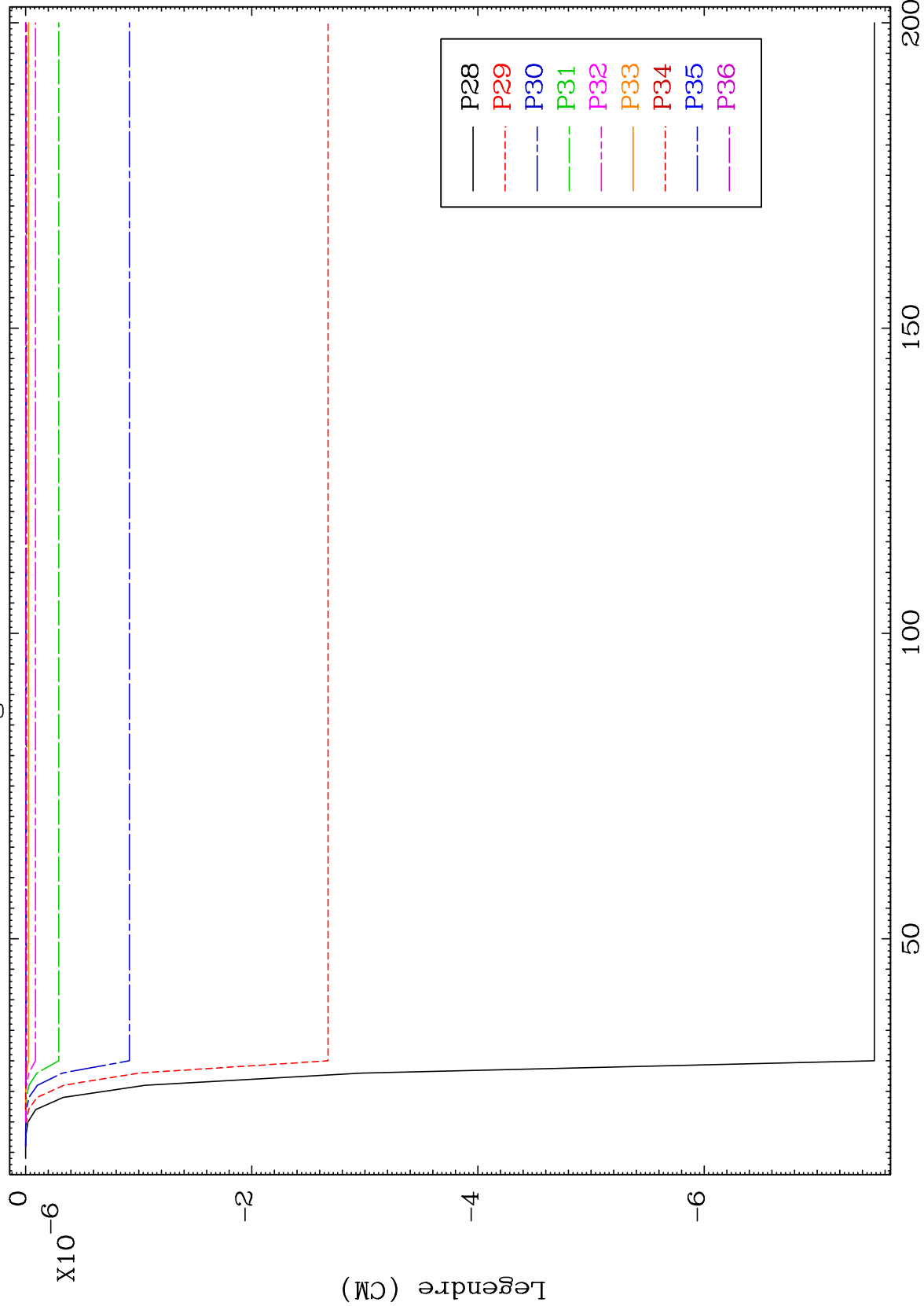
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



135

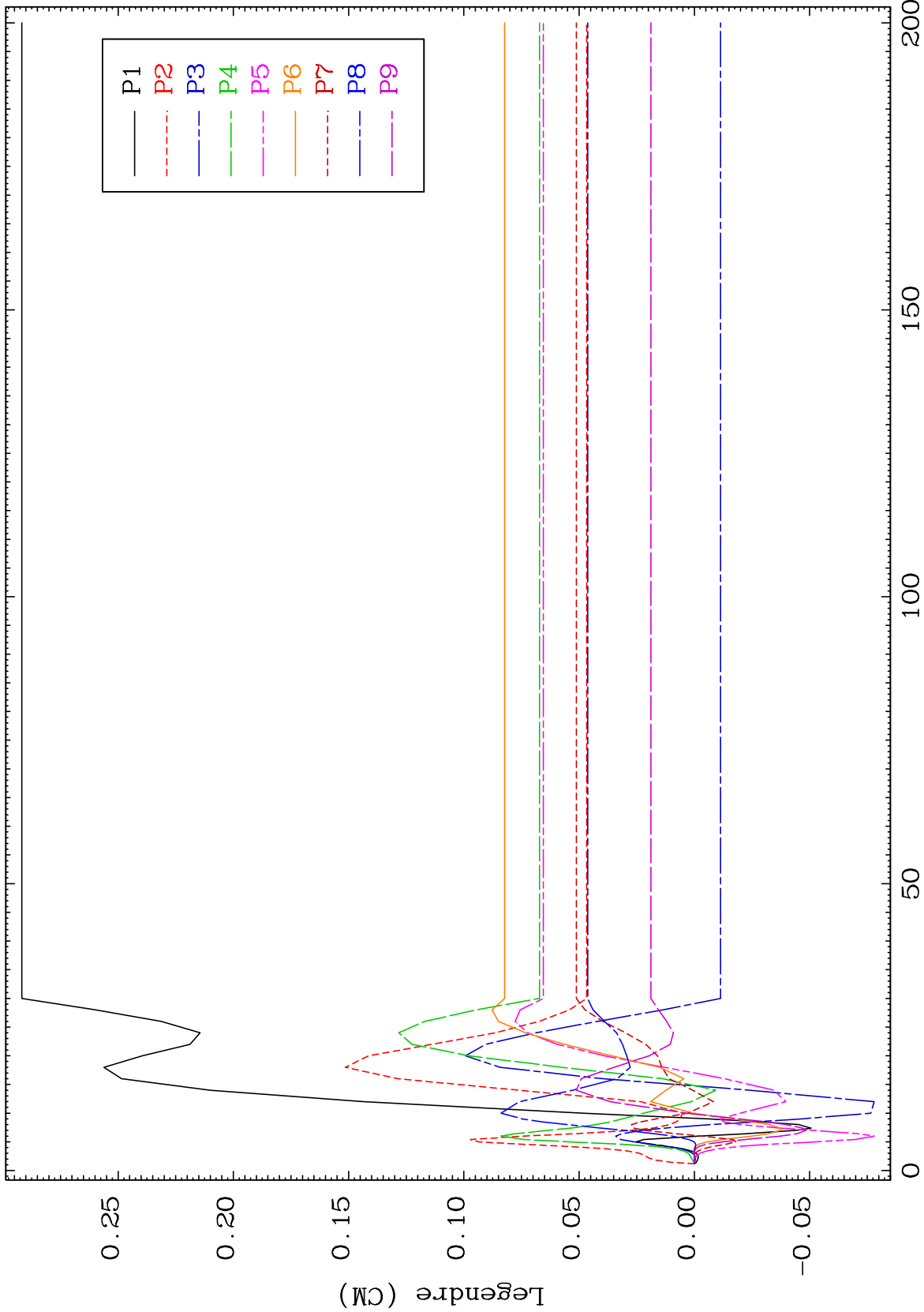
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



61-Pm-153

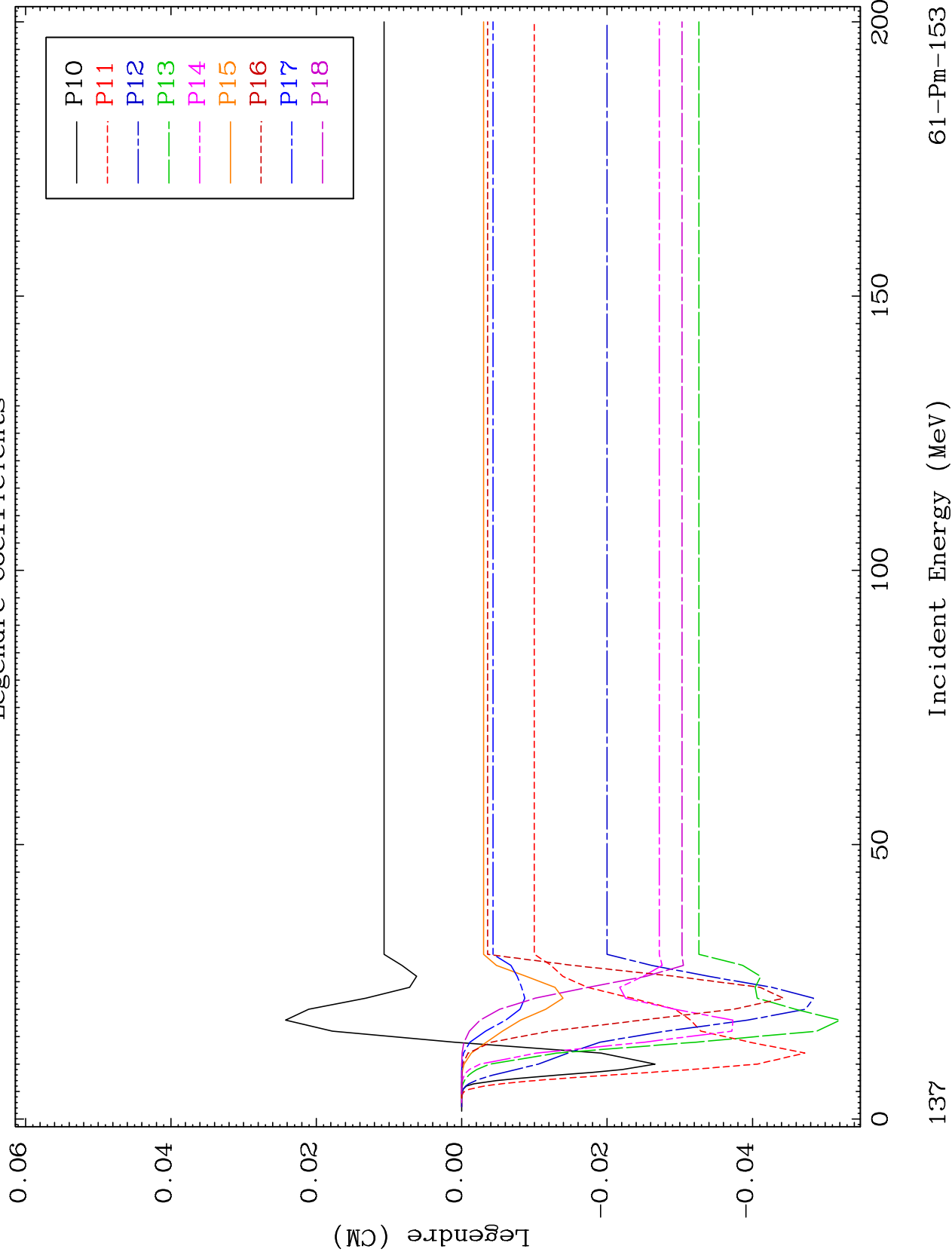
Incident Energy (MeV)

136

MAT 6167

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

61-Pm-153



61-Pm-153

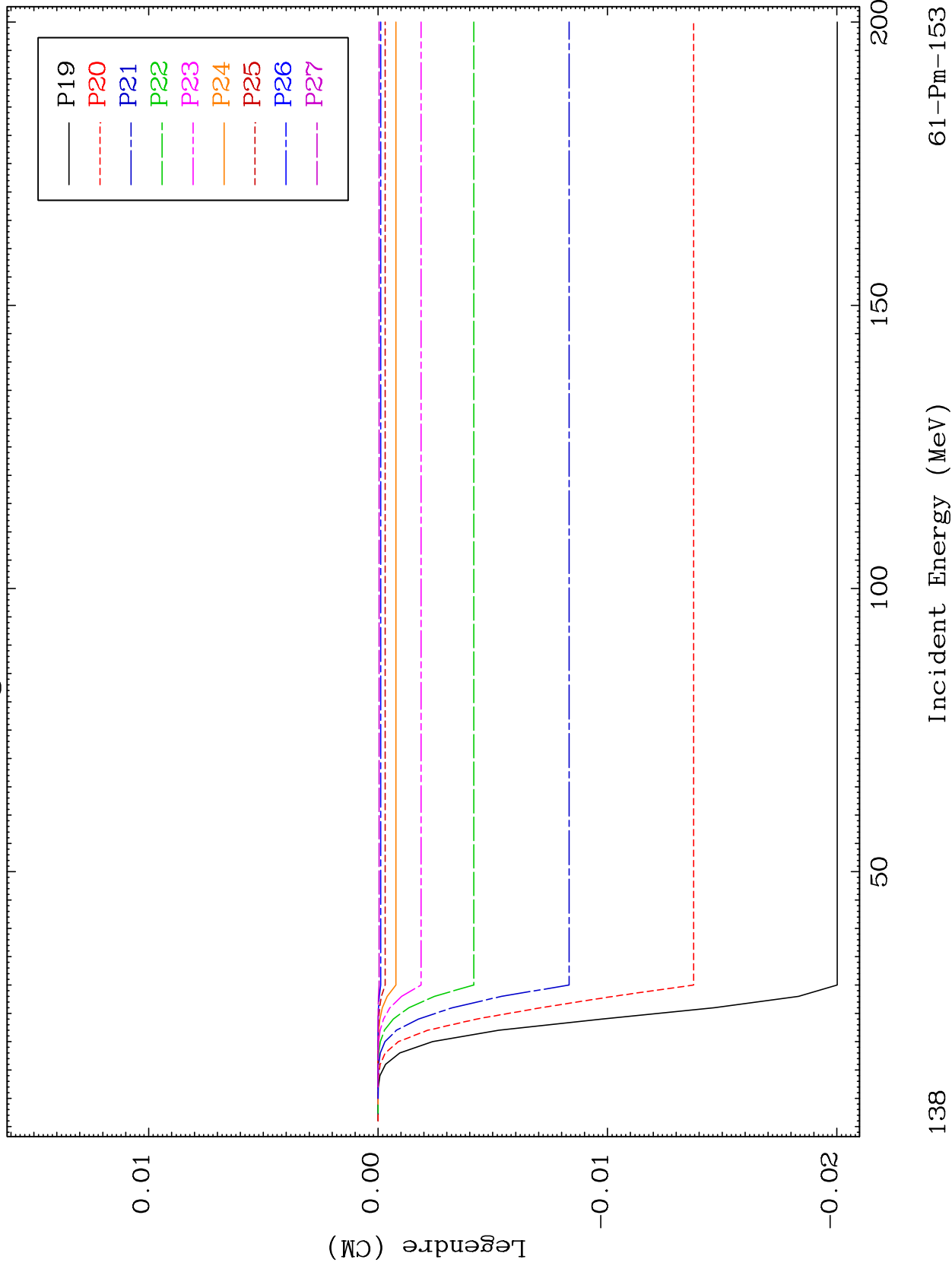
Incident Energy (MeV)

137

MAT 6167

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

61-Pm-153



138

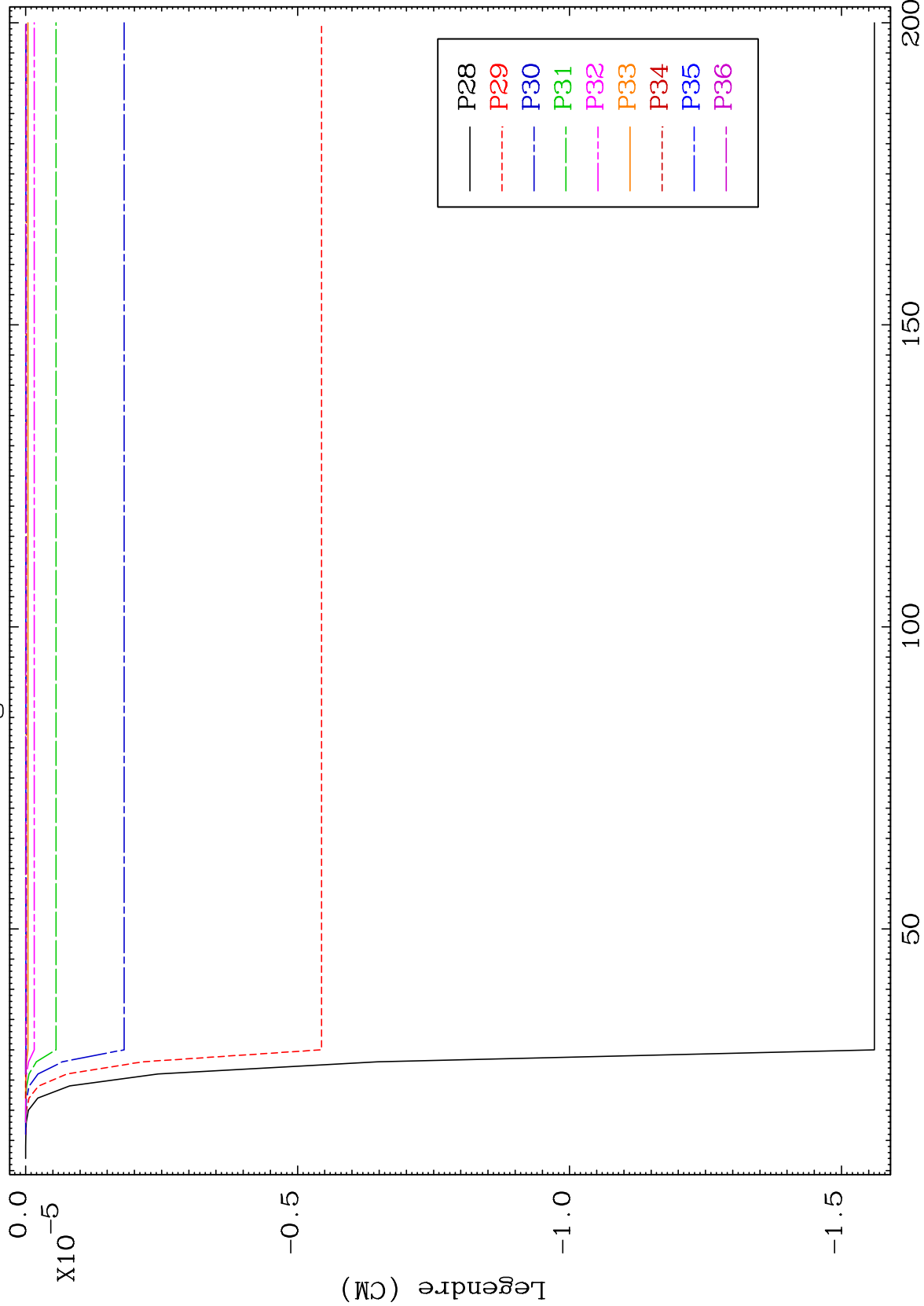
Incident Energy (MeV)

61-Pm-153

MAT 6167

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

61-Pm-153



61-Pm-153

Incident Energy (MeV)

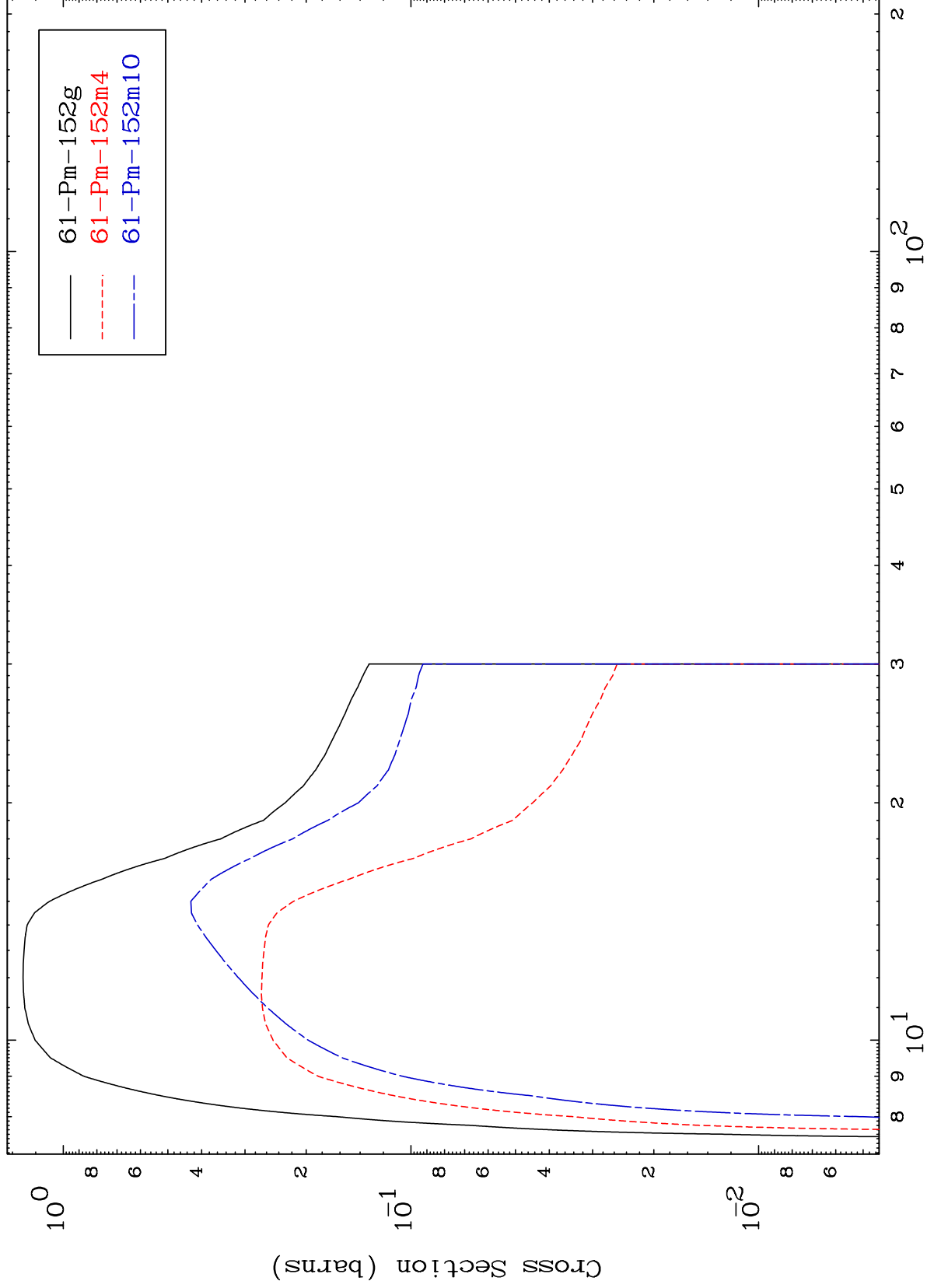
139

MAT 6167

(n,2n)

61-Pm-153

Radionuclide Production Cross Section



140

Incident Energy (MeV)

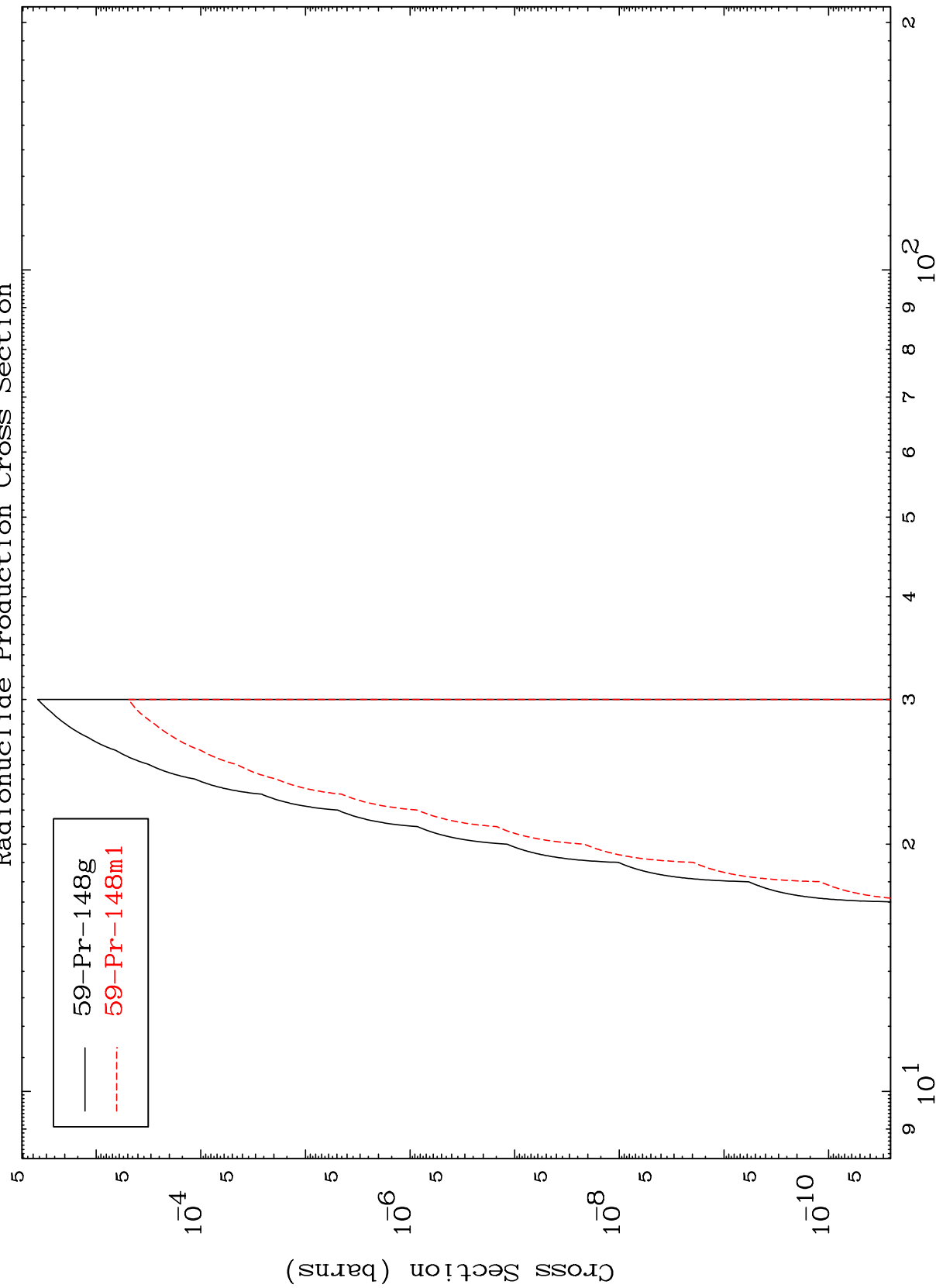
61-Pm-153

MAT 6167

61-Pm-153

(n,2n) α

Radionuclide Production Cross Section



141

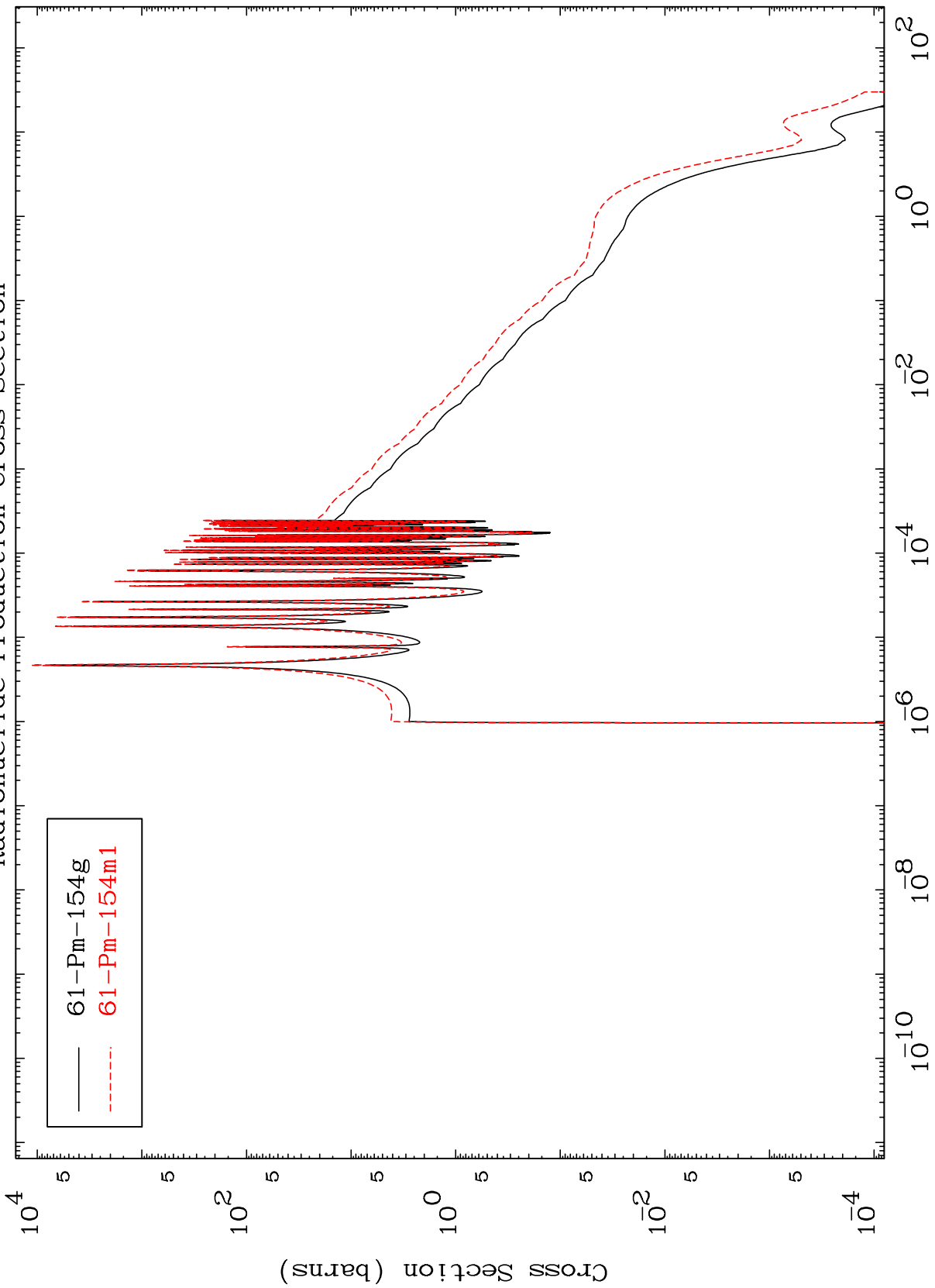
Incident Energy (MeV)

61-Pm-153

MAT 6167

61-Pm-153

(n, γ)
Radionuclide Production Cross Section



61-Pm-153

Incident Energy (MeV)

142