

Program EVALPLOT
(Version 2018-1)

by

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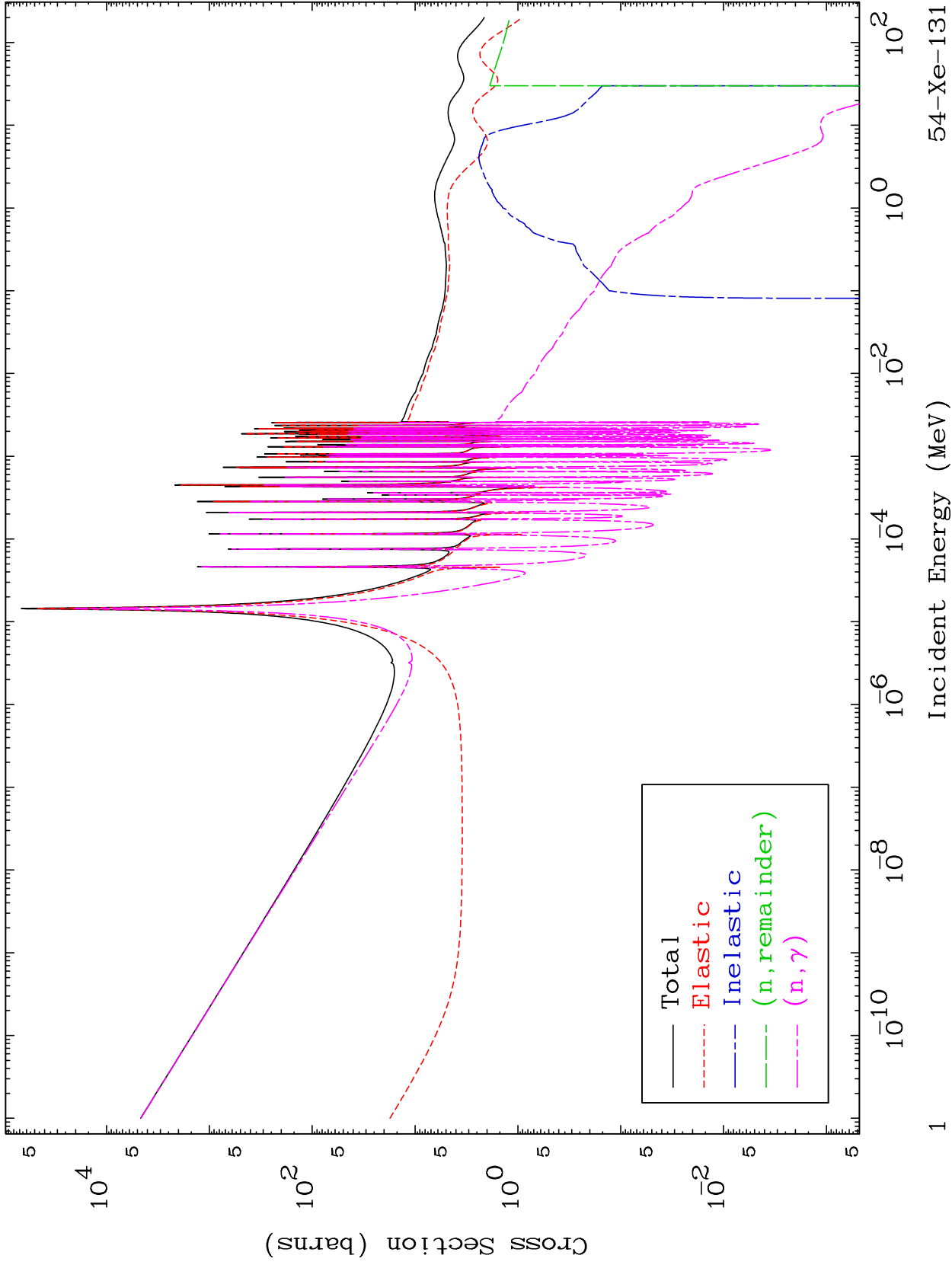
Press Mouse Button to Start

MAT 5446

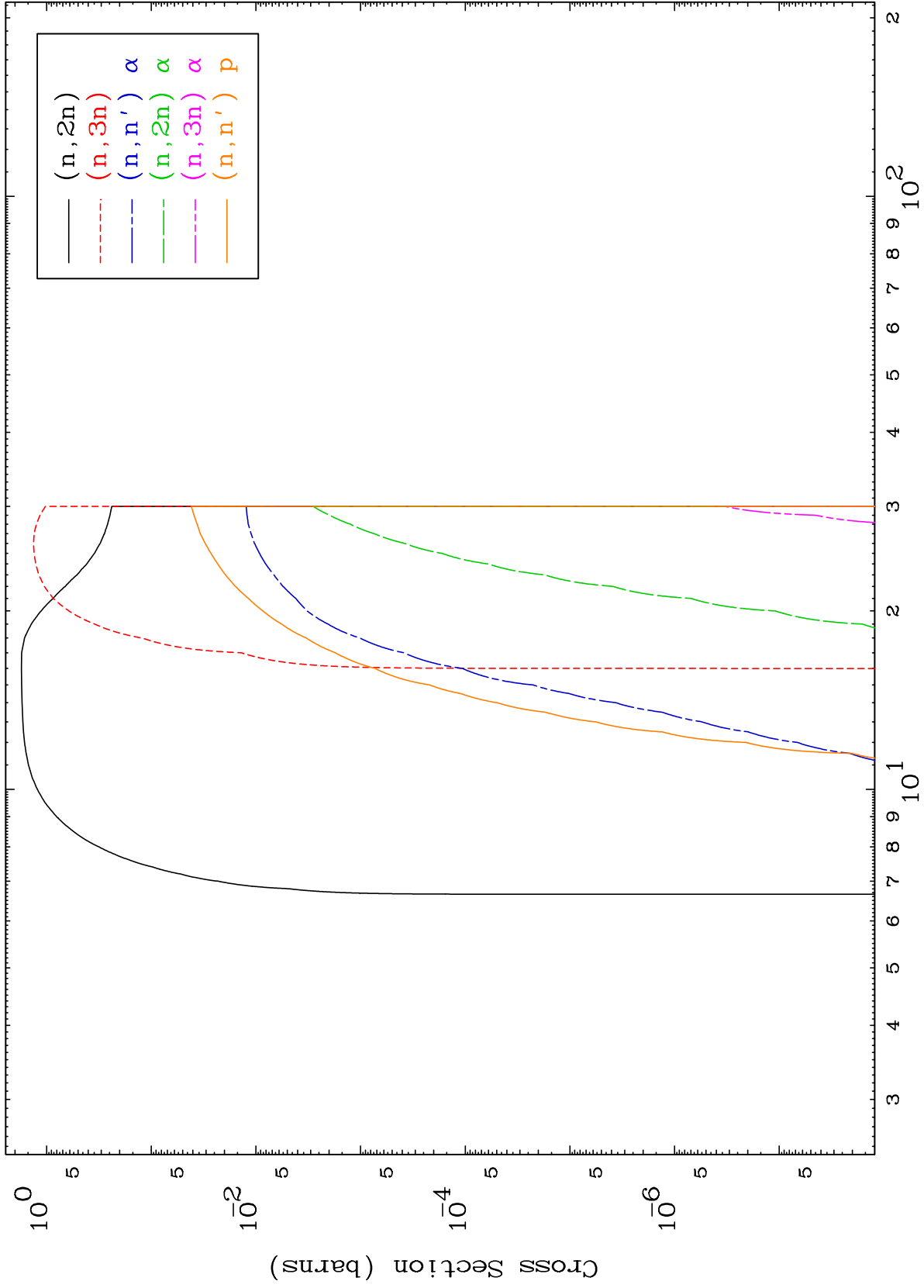
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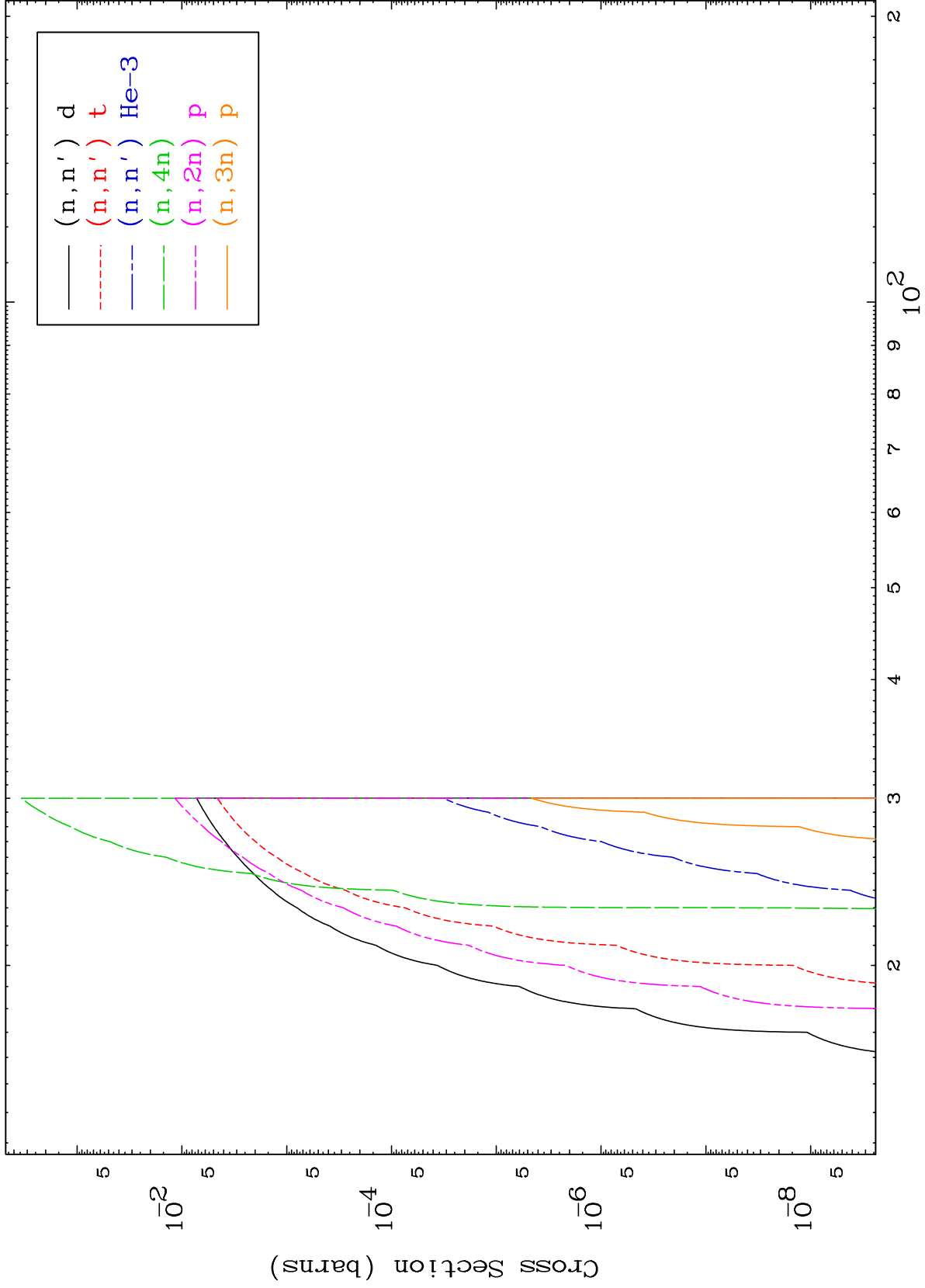
293 Kelvin Cross Sections

54-Xe-131



Neutron Production
293 Kelvin Cross Sections

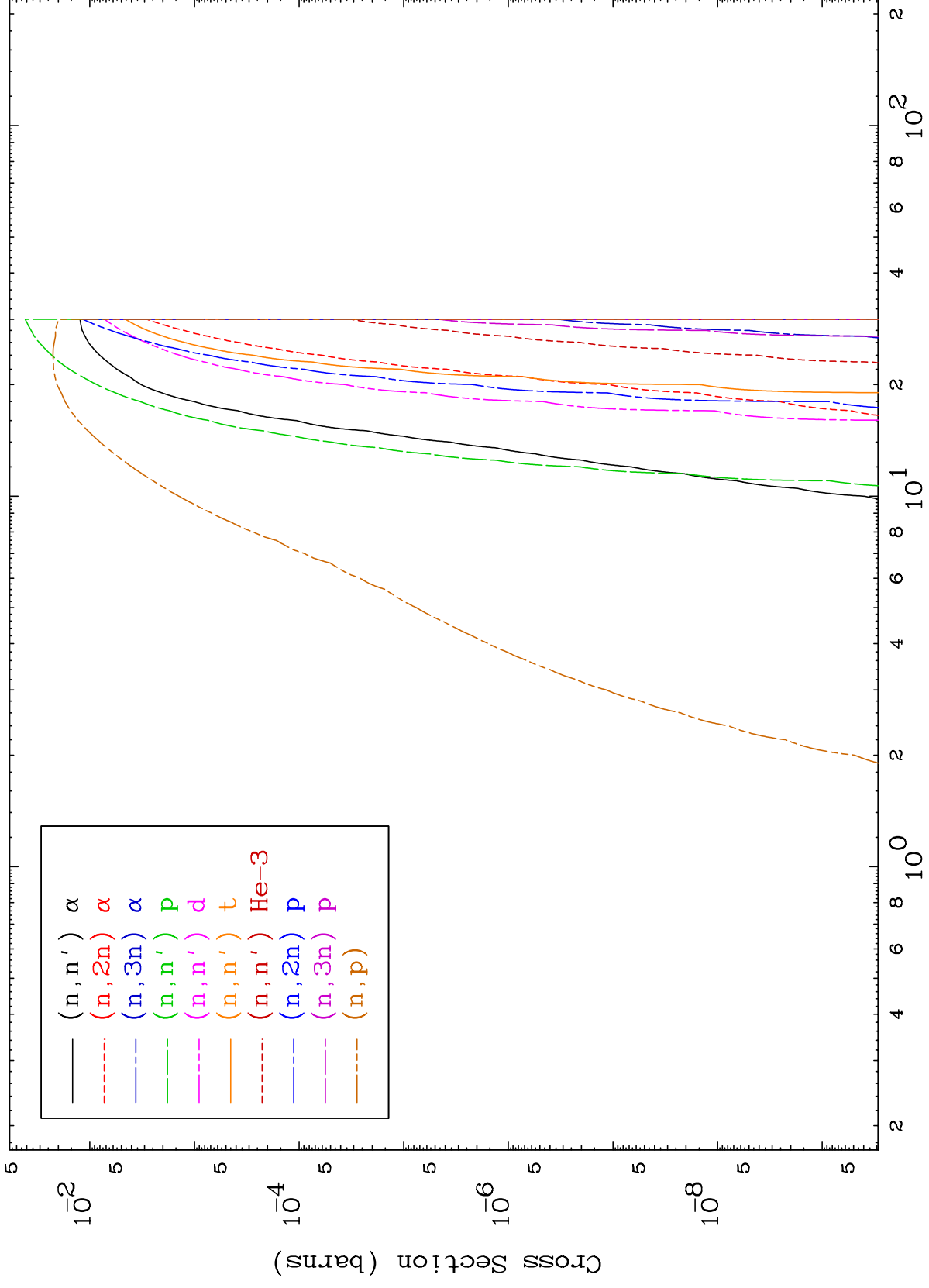




MAT 5446

Charged Particle
293 Kelvin Cross Sections

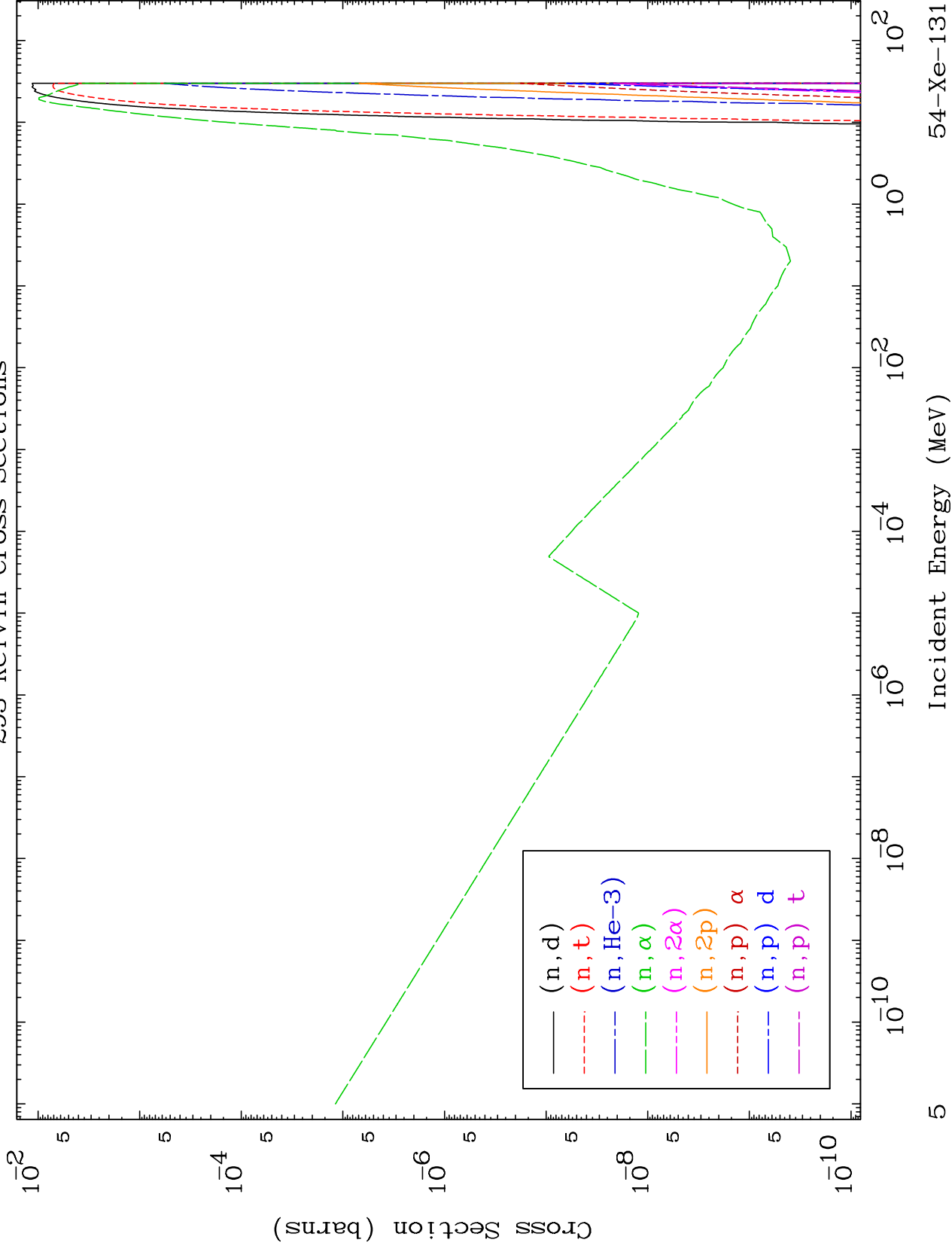
54-Xe-131

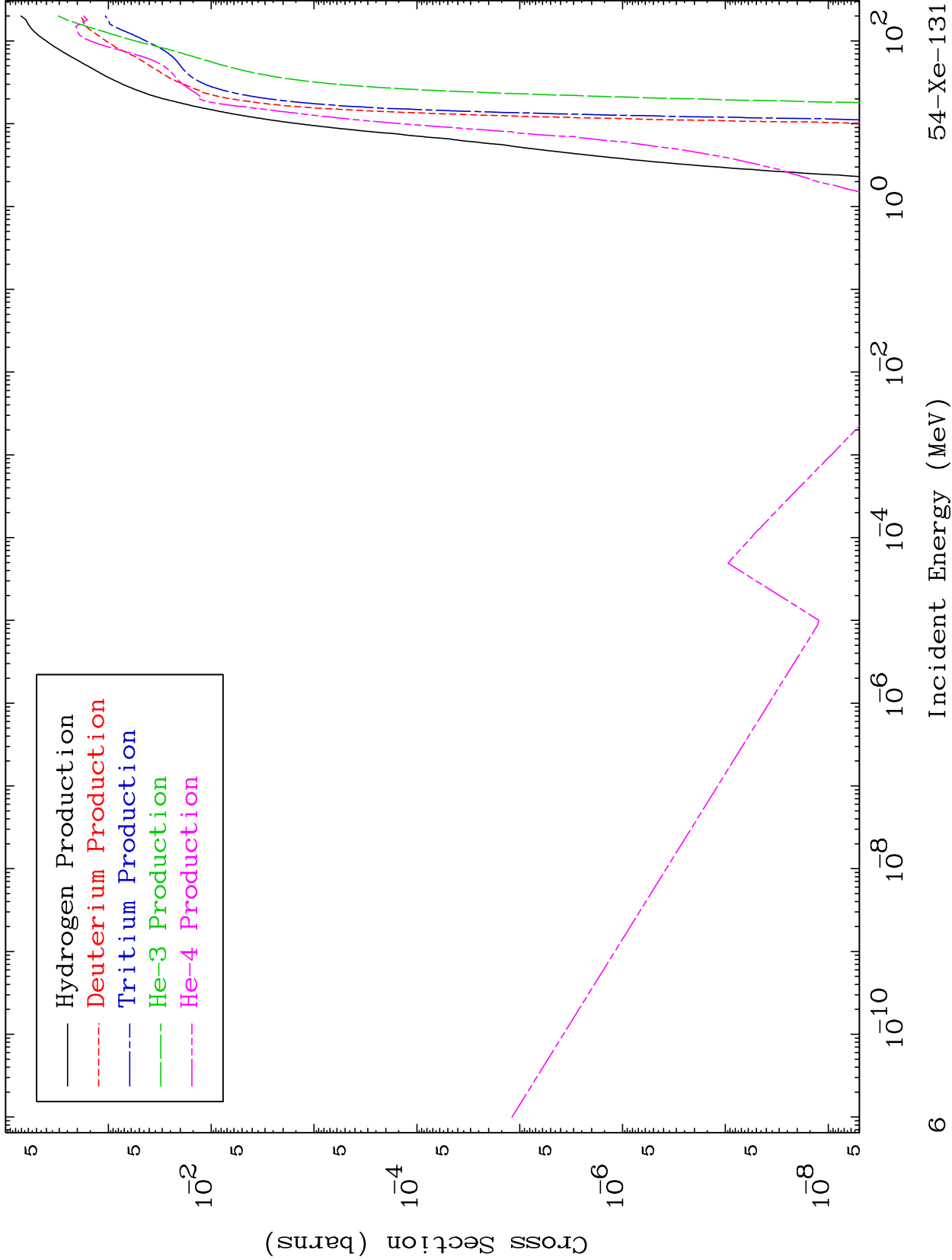


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Incident Energy (MeV)

54-Xe-131



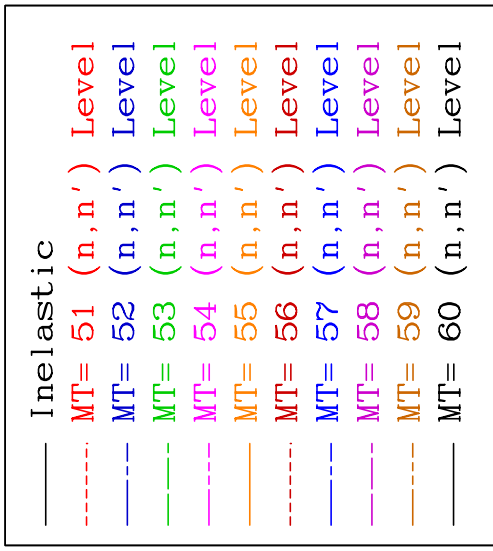
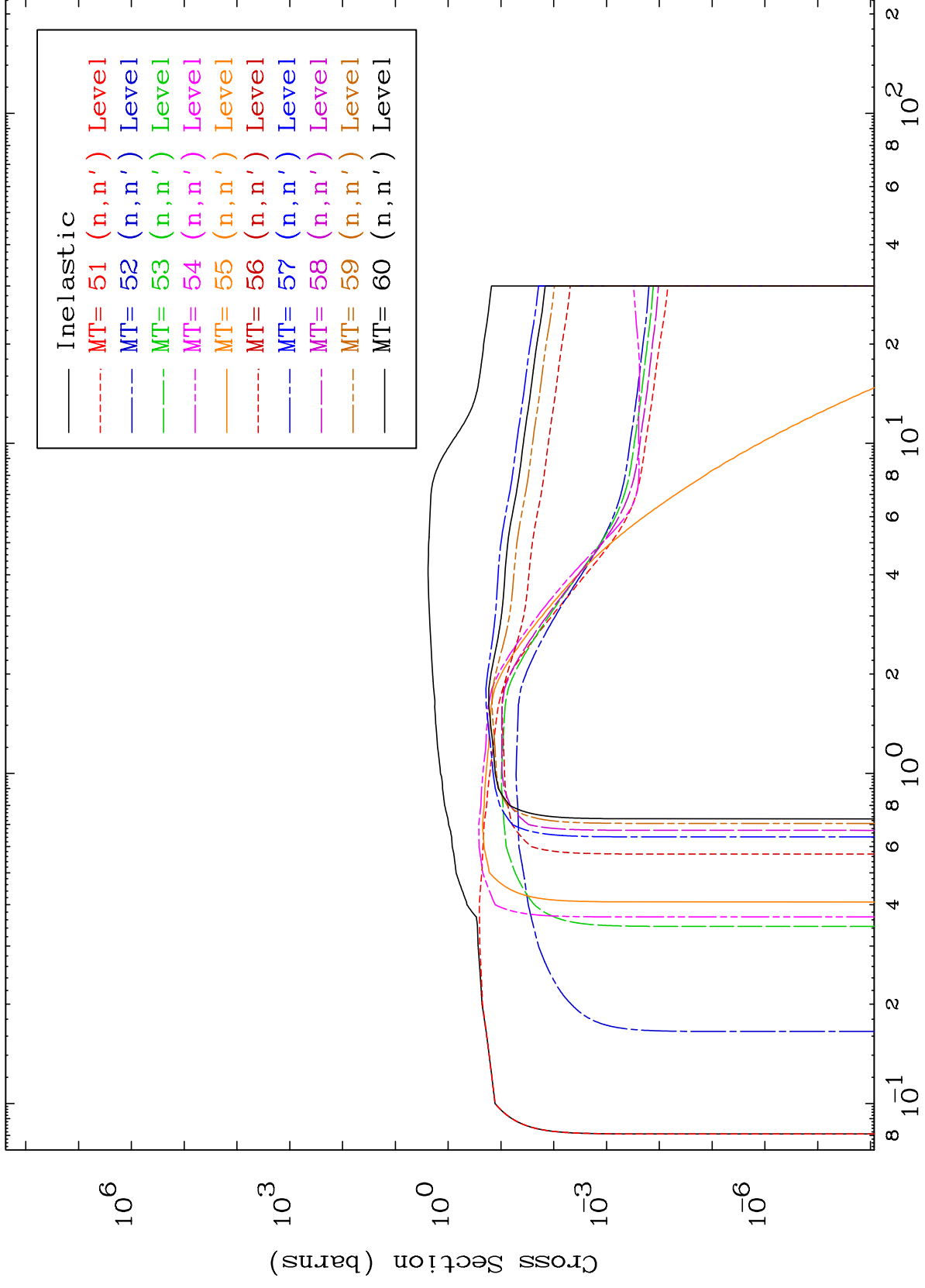


MAT 5446

(n,n') Level

54-Xe-131

293 Kelvin Cross Sections



Incident Energy (MeV)

54-Xe-131

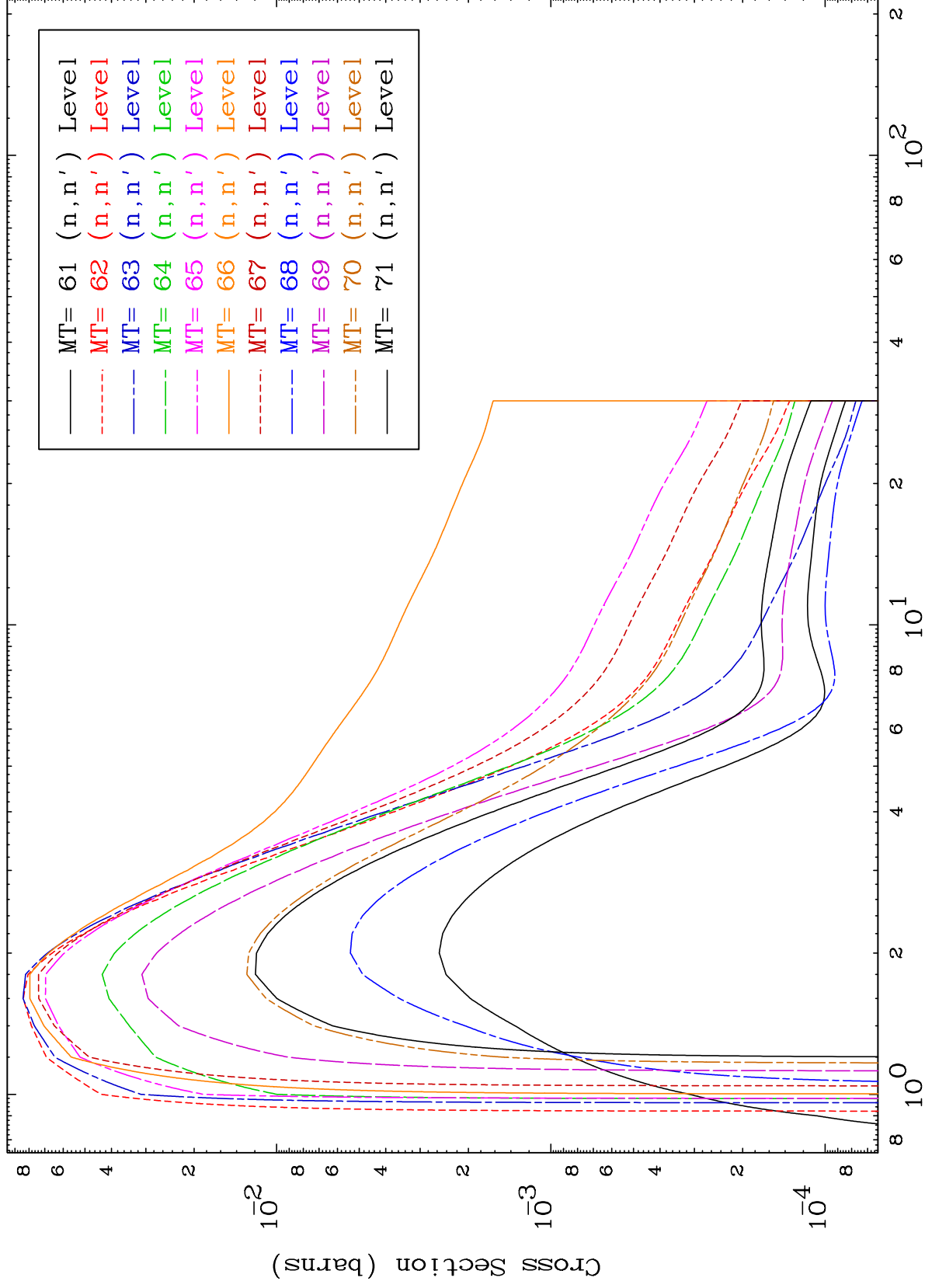
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MAT 5446

(n,n') Level

54-Xe-131

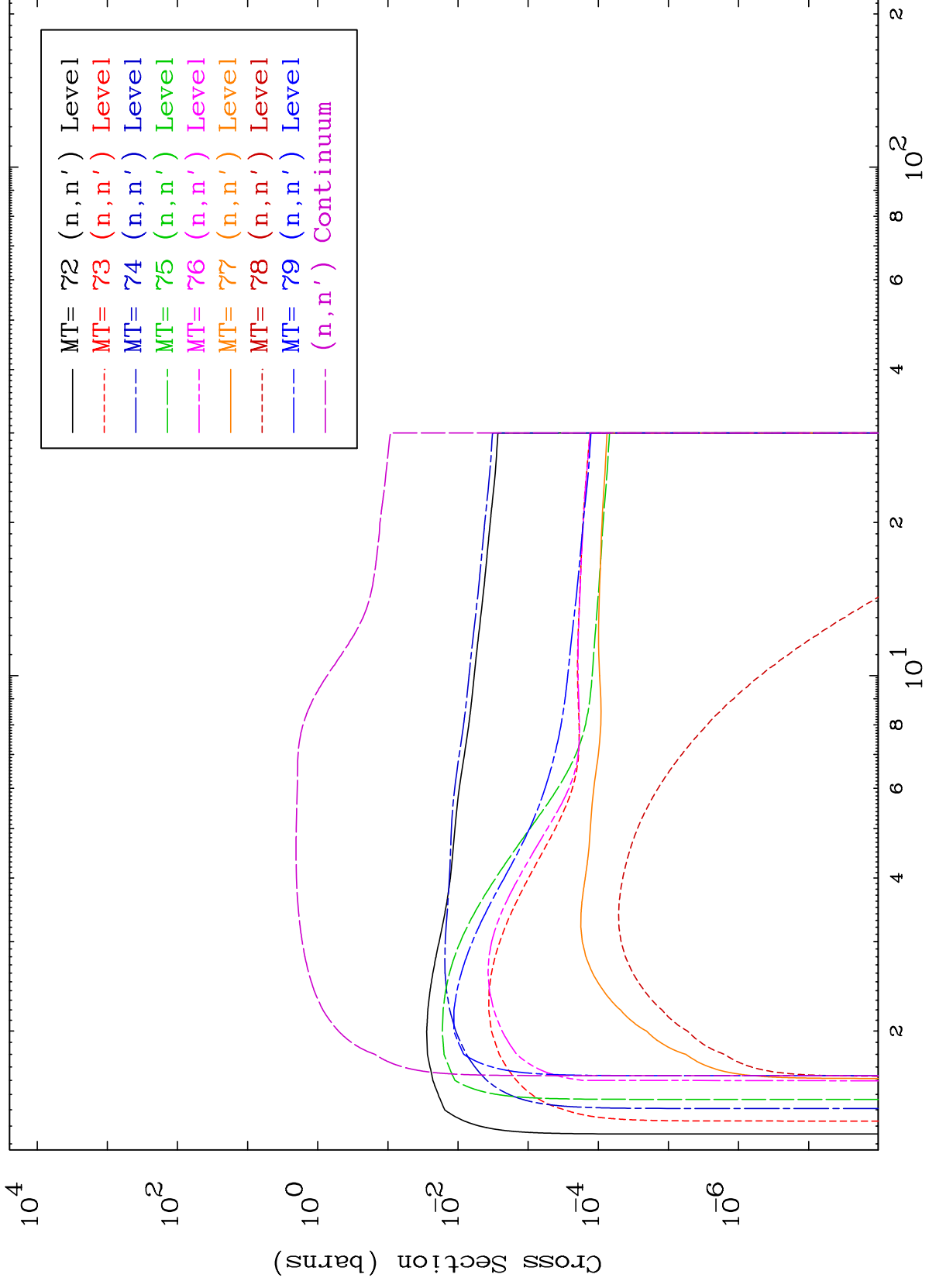
293 Kelvins Cross Sections



Incident Energy (MeV)

54-Xe-131

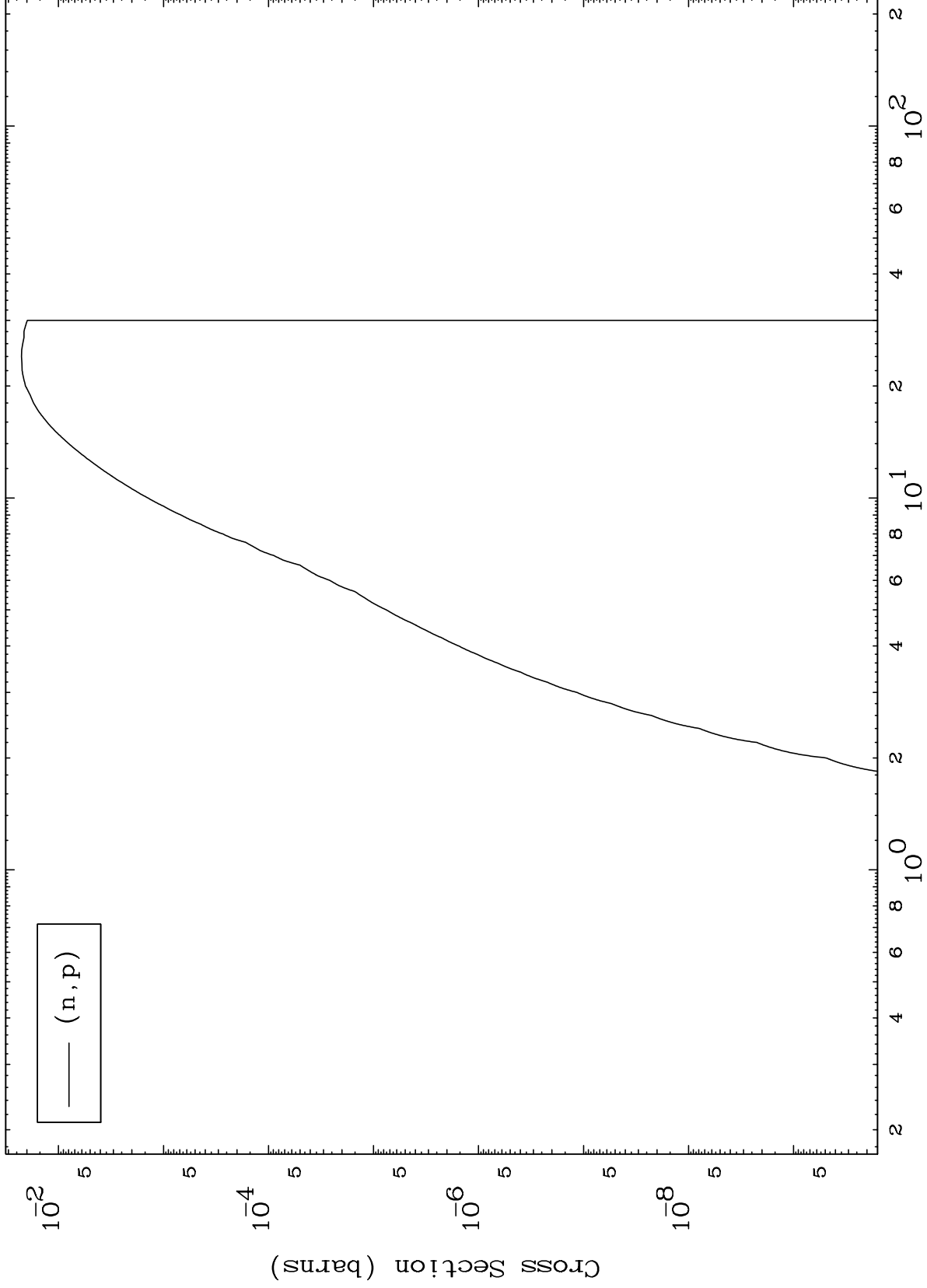
293 Kelvin Cross Sections



MAT 5446

(n,p) Levels
293 Kelvin Cross Sections

54-Xe-131



10

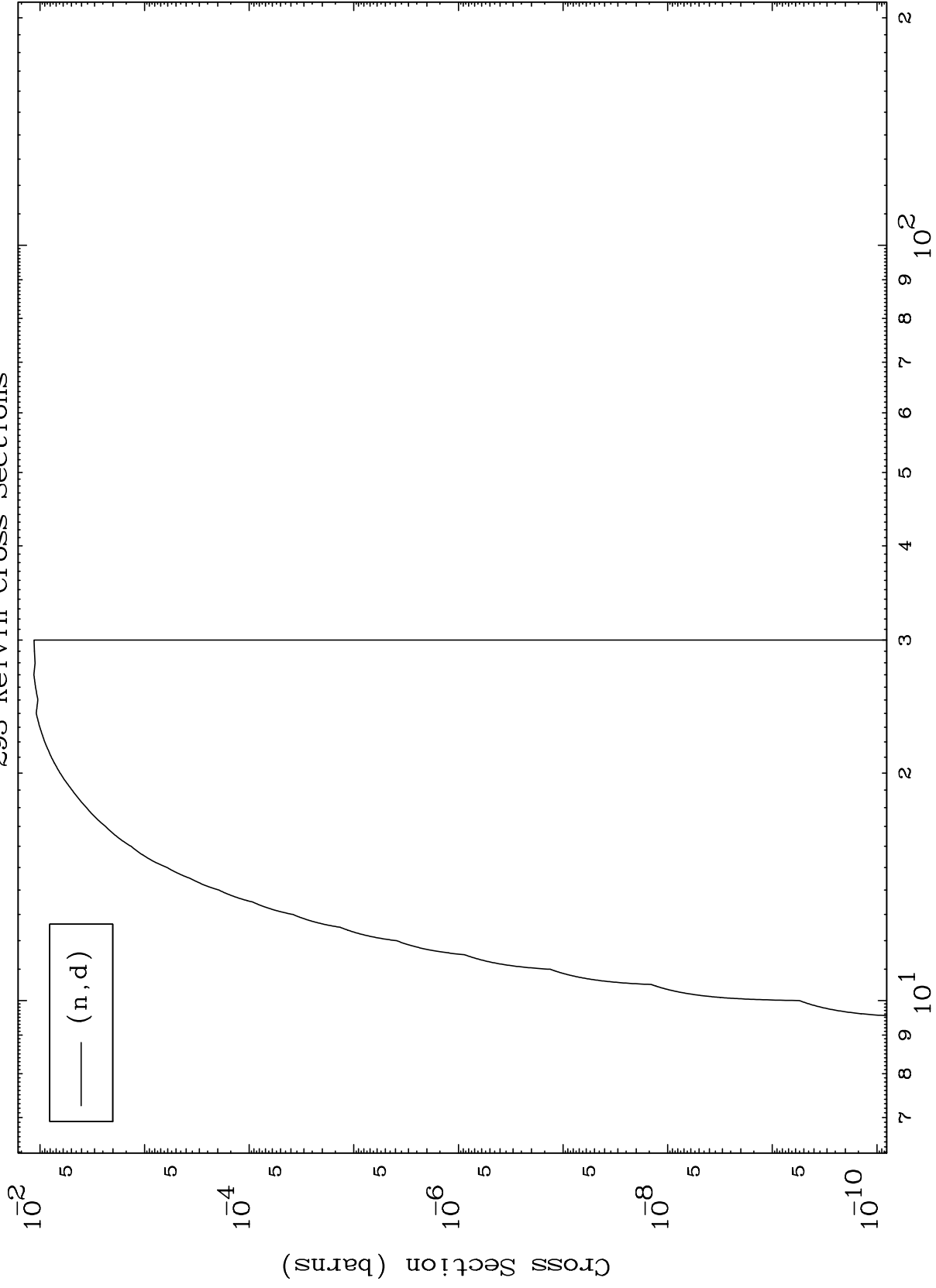
Incident Energy (MeV)

54-Xe-131

MAT 5446

(n,d) Levels
293 Kelvin Cross Sections

54-Xe-131



11

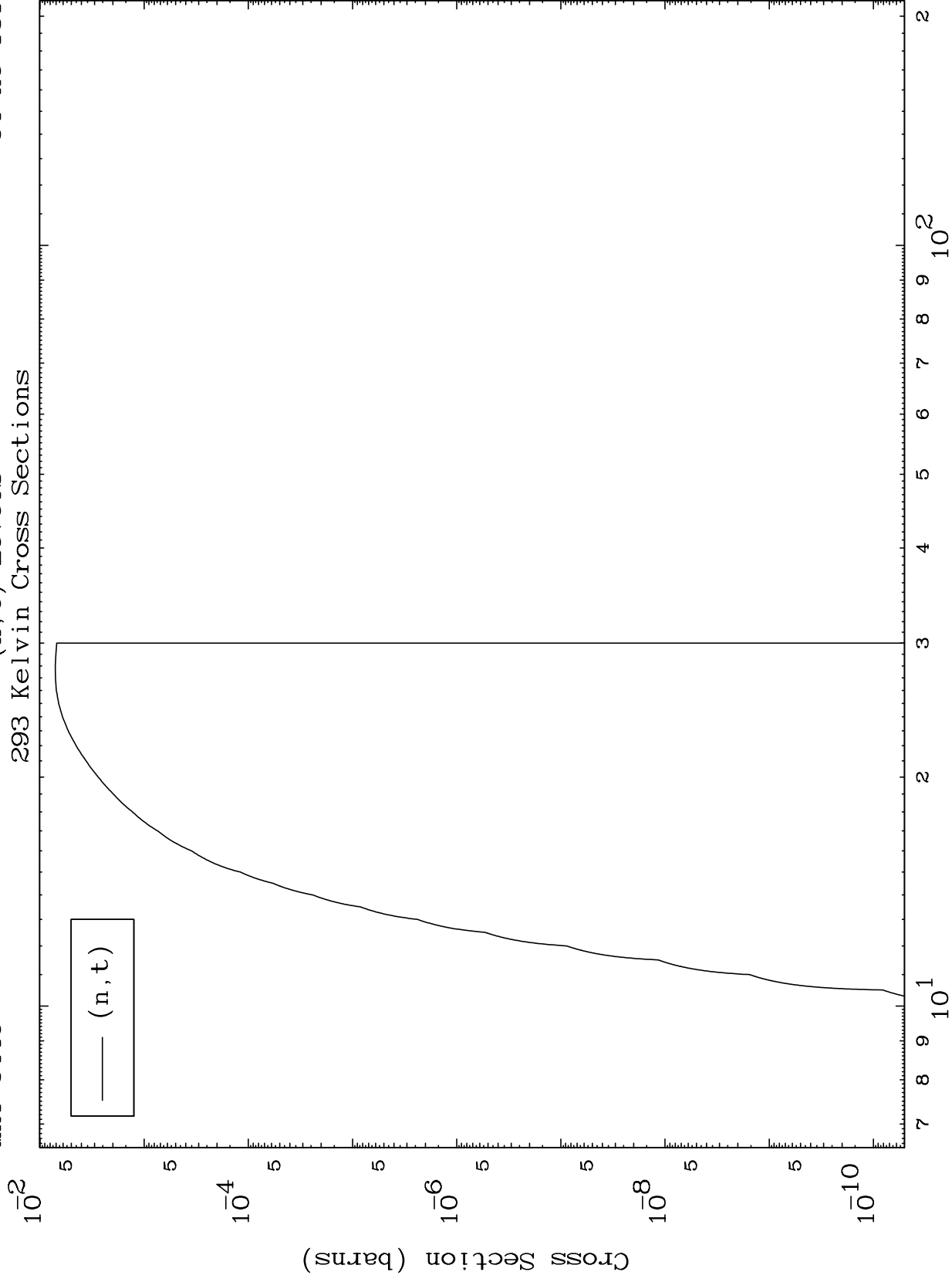
Incident Energy (MeV)

54-Xe-131

MAT 5446

(n,t) Levels
293 Kelvin Cross Sections

54-Xe-131



12

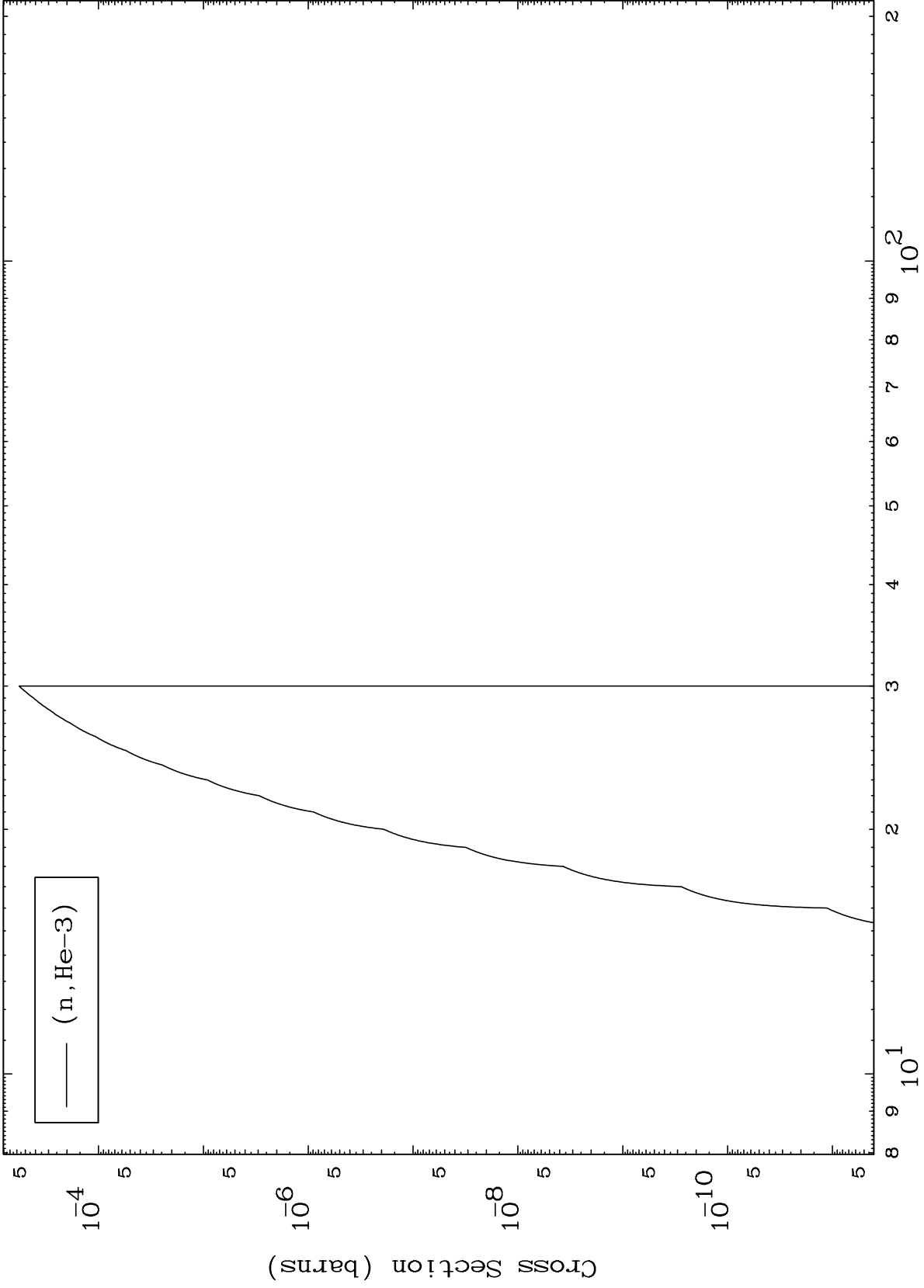
Incident Energy (MeV)

54-Xe-131

MAT 5446

(n,He3) Levels
293 Kelvin Cross Sections

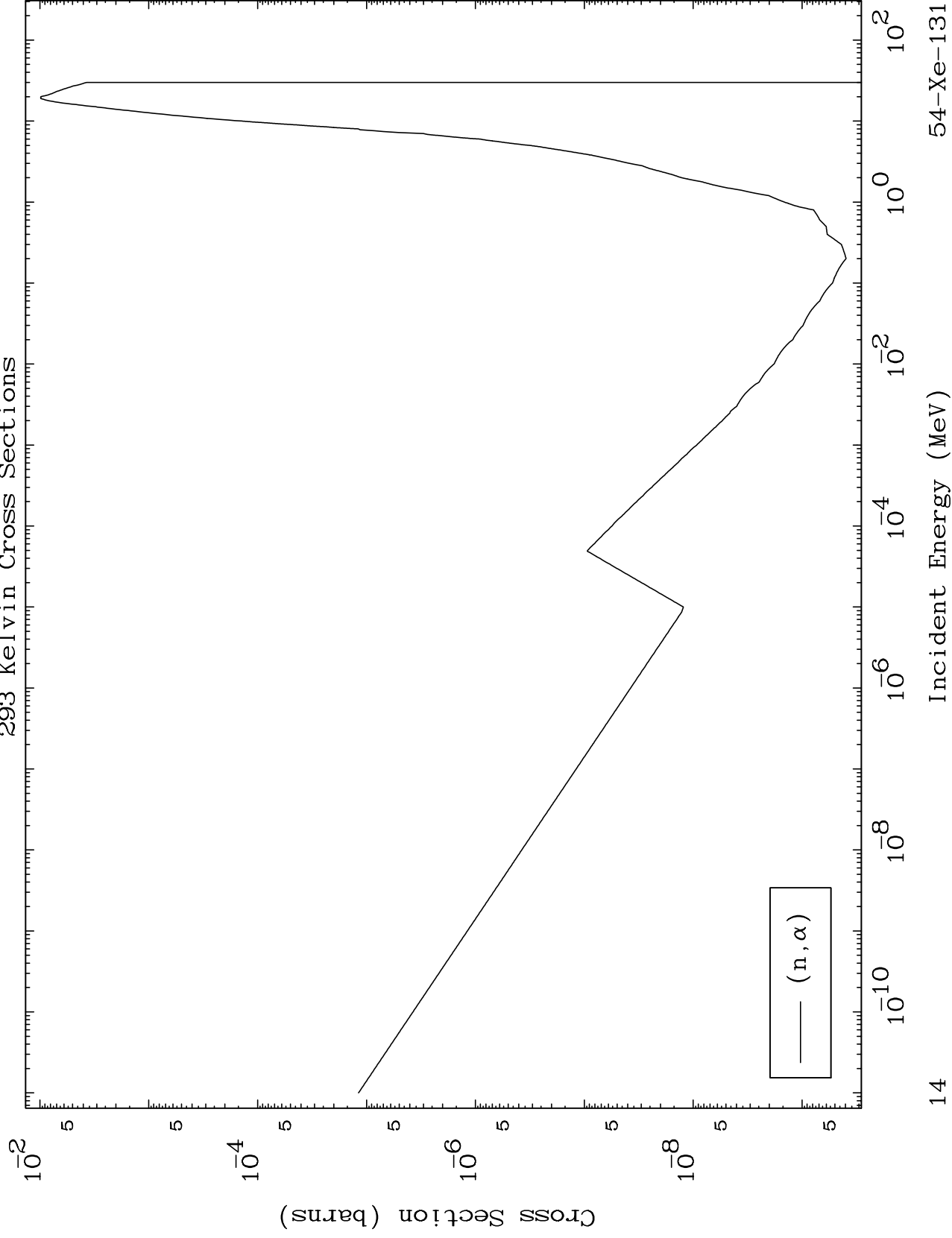
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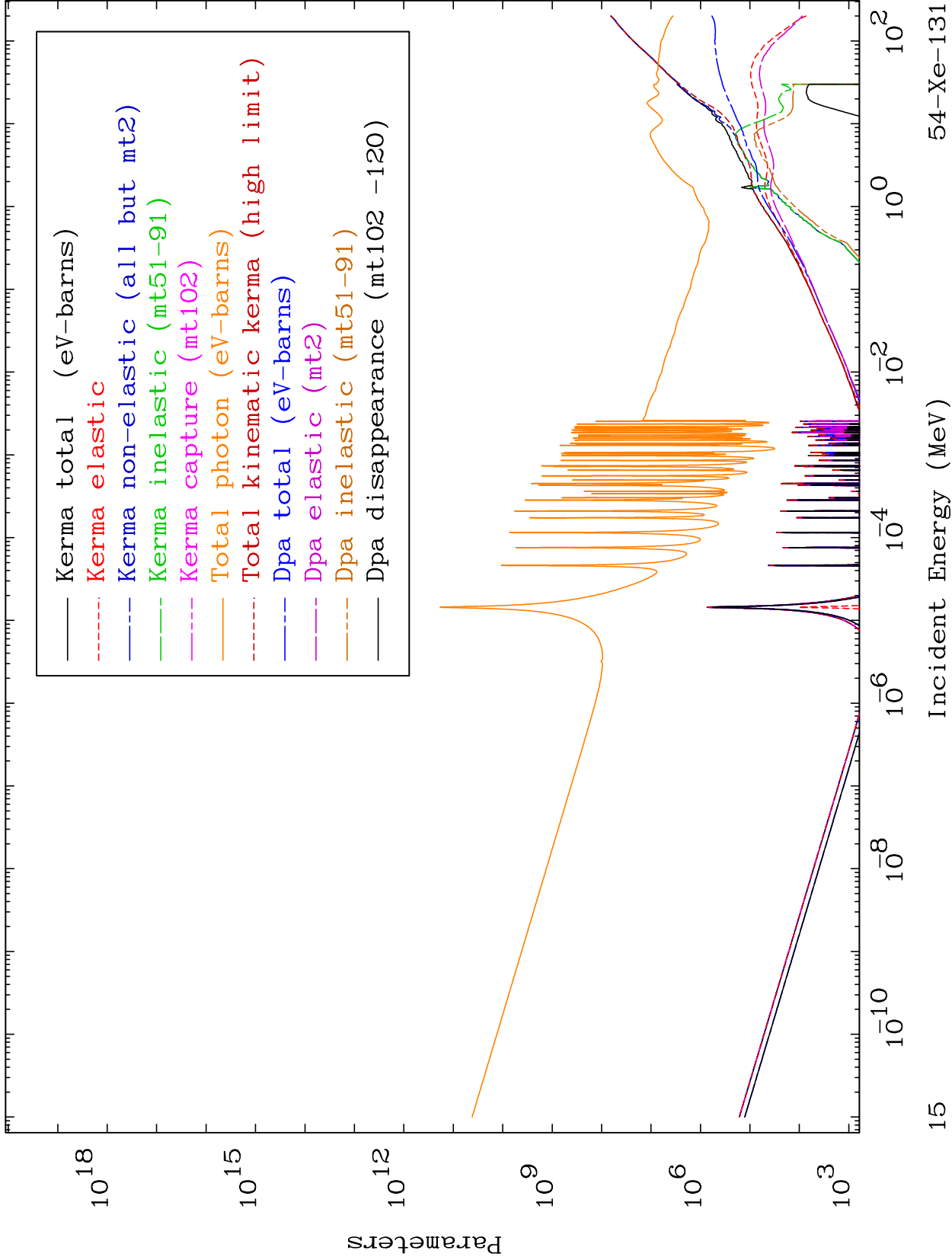
MAT 5446

(n,α) Levels
293 Kelvin Cross Sections

54-Xe-131



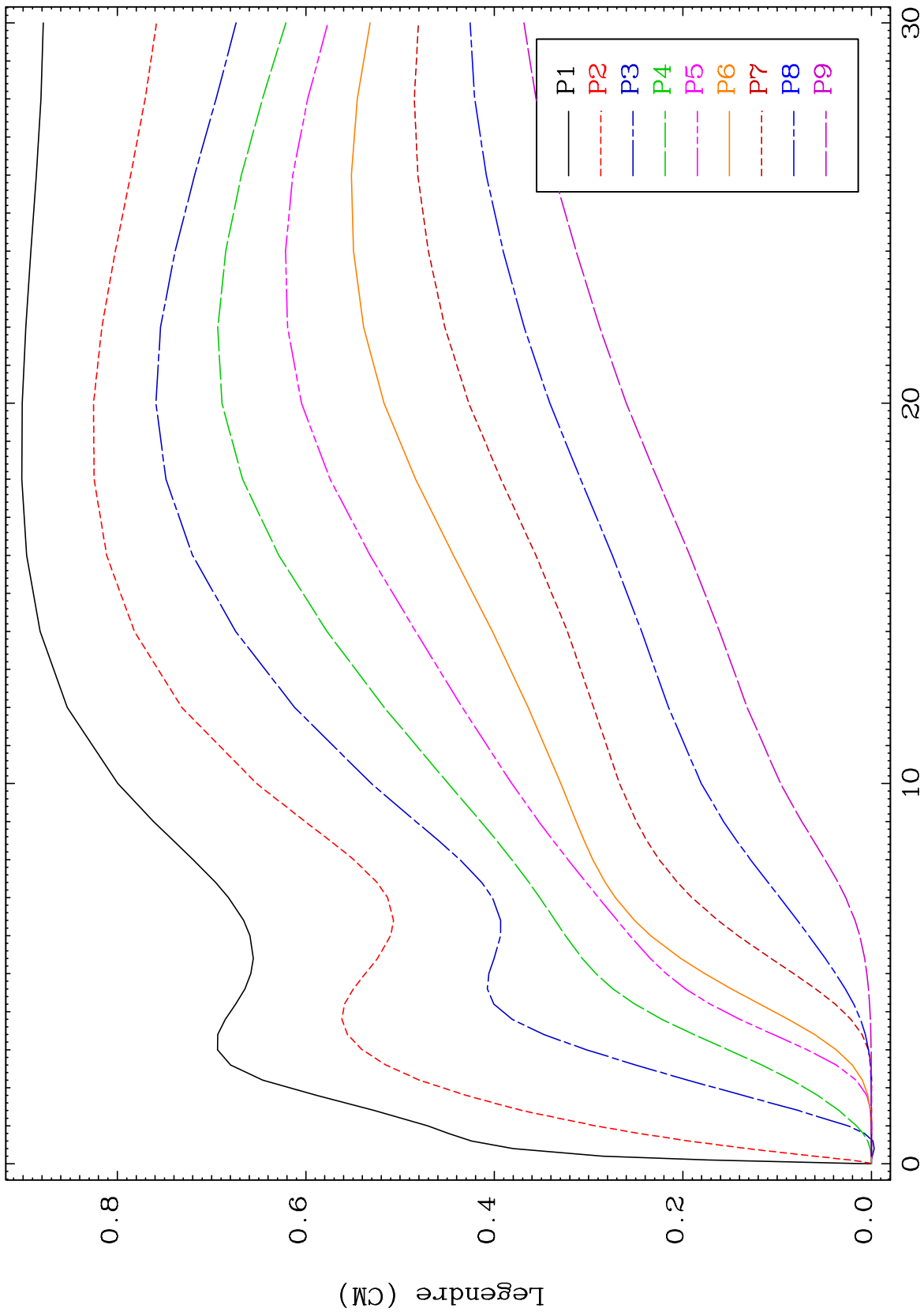
14



MAT 5446

54-Xe-131

Elastic Legendre Coefficients



16

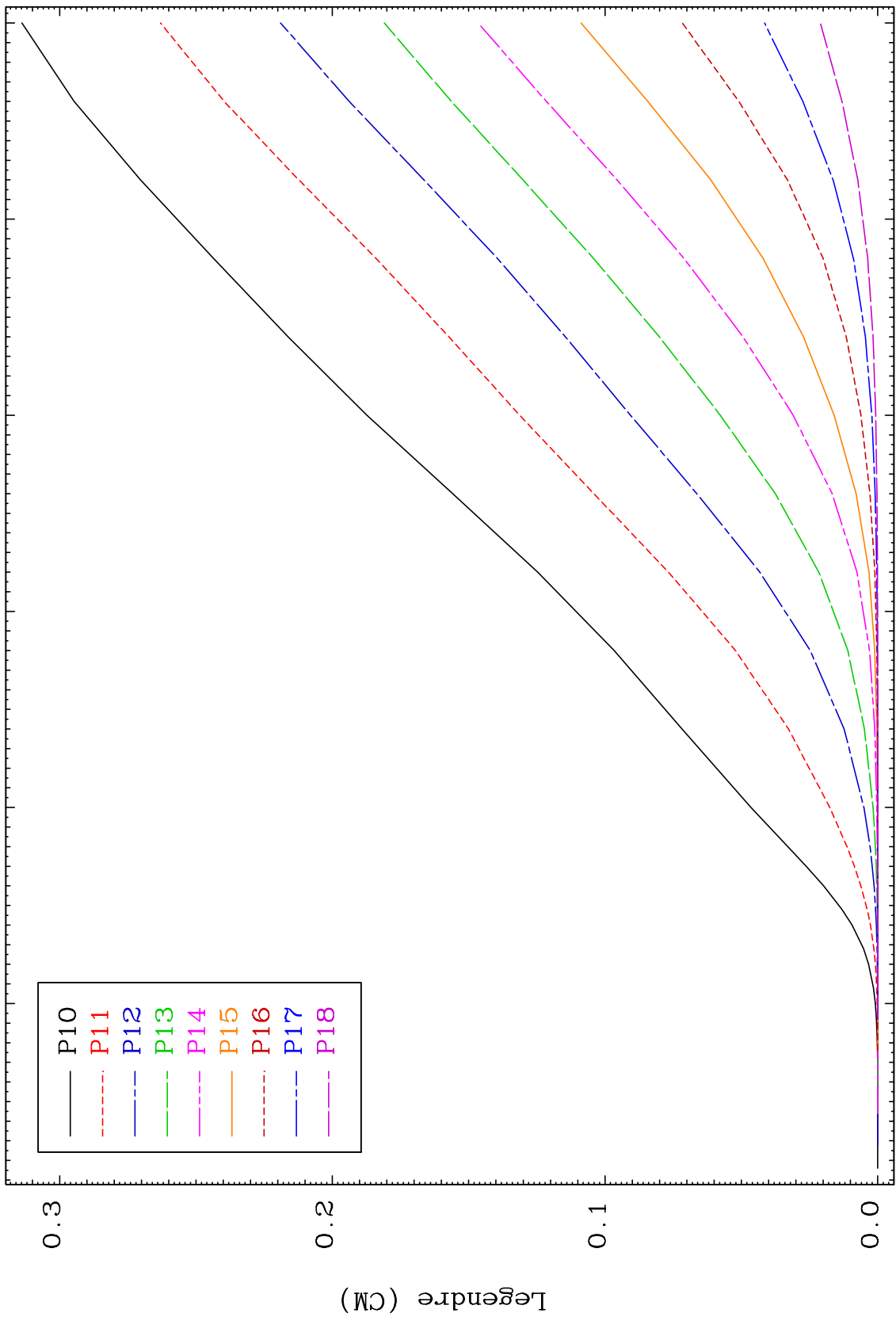
Incident Energy (MeV)

54-Xe-131

MAT 5446

Elastic Legendre Coefficients

54-Xe-131



17

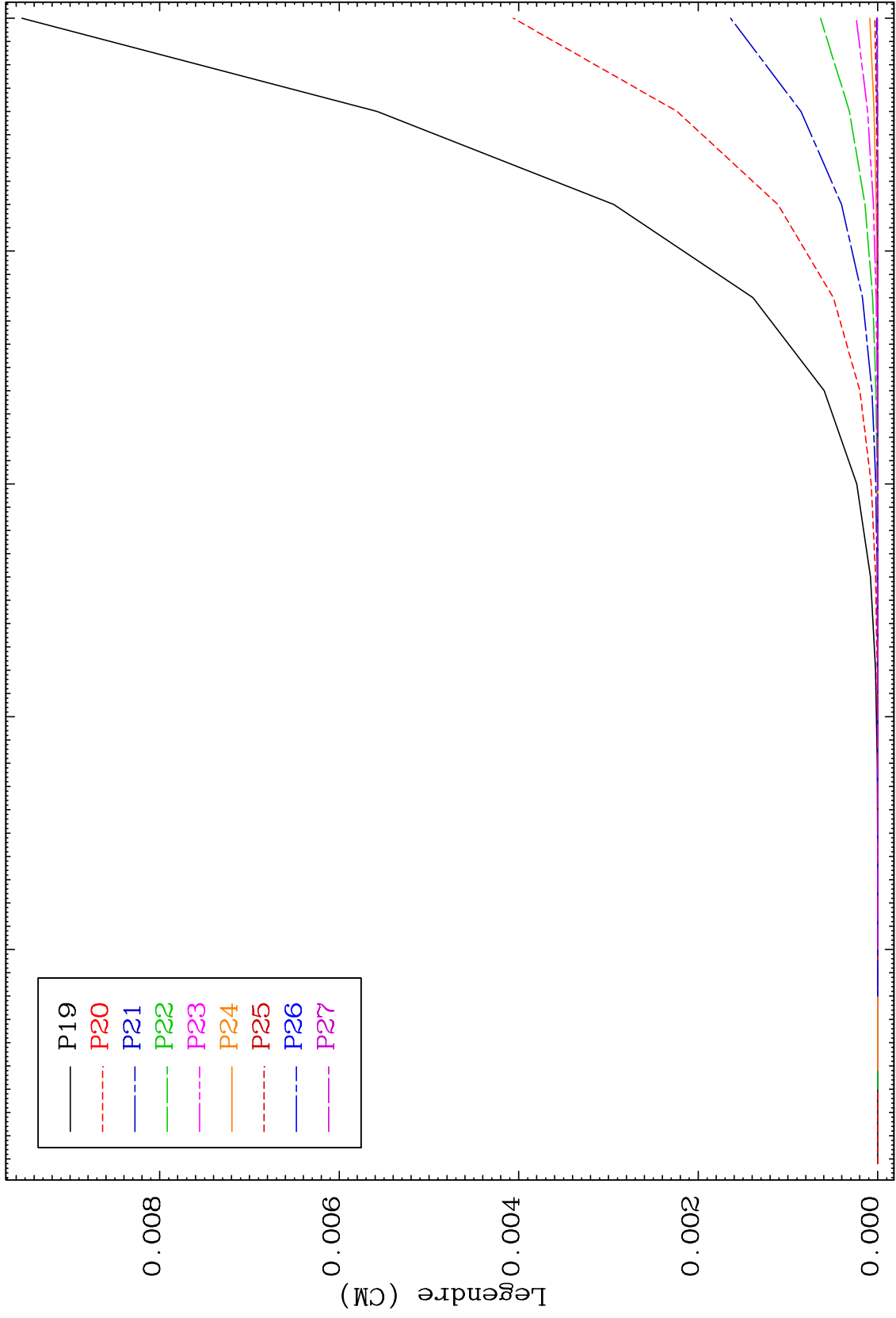
54-Xe-131

Incident Energy (MeV)

MAT 5446

Elastic Legendre Coefficients

54-Xe-131



18

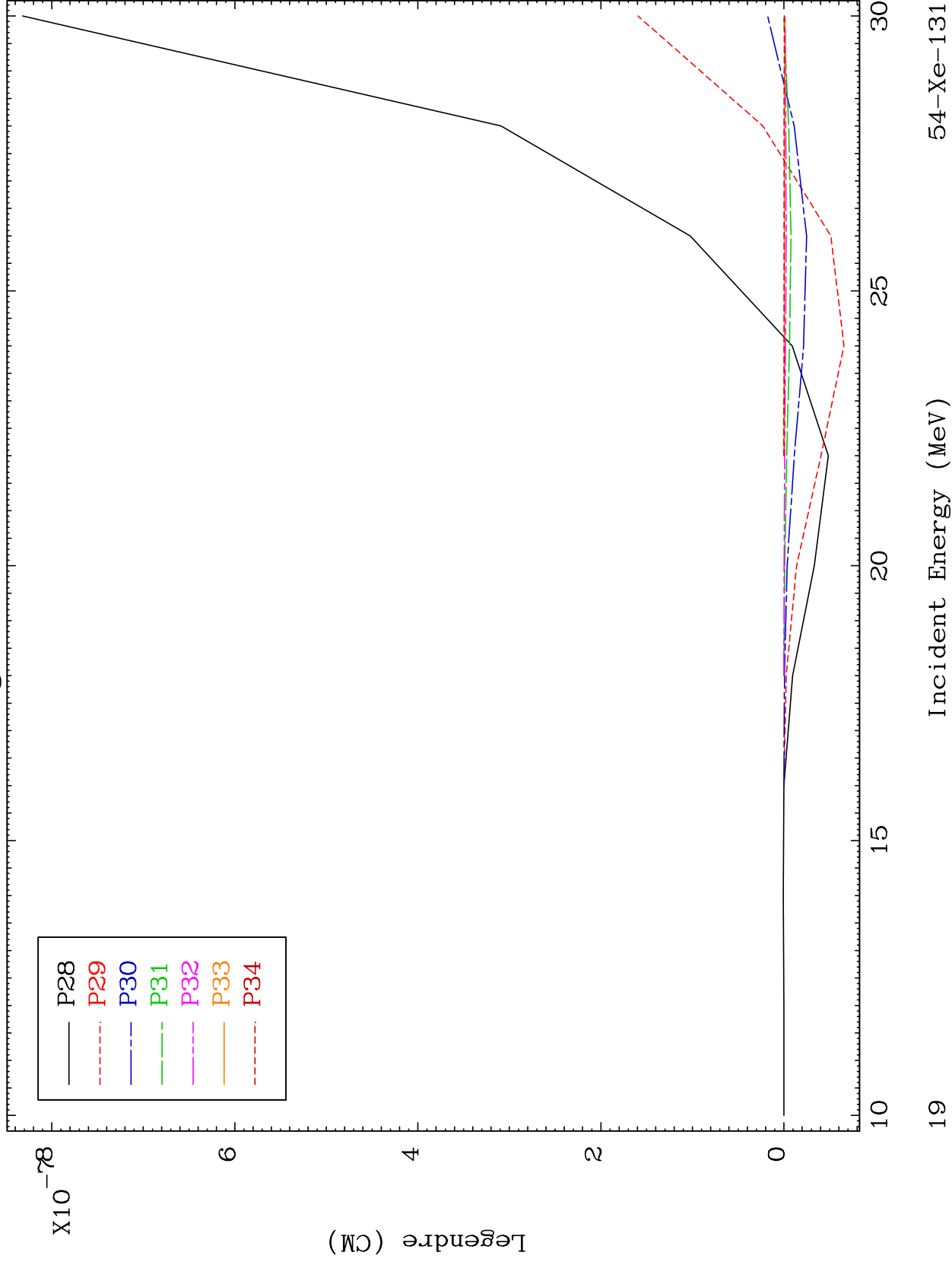
Incident Energy (MeV)

54-Xe-131

MAT 5446

Elastic
Legendre Coefficients

54-Xe-131

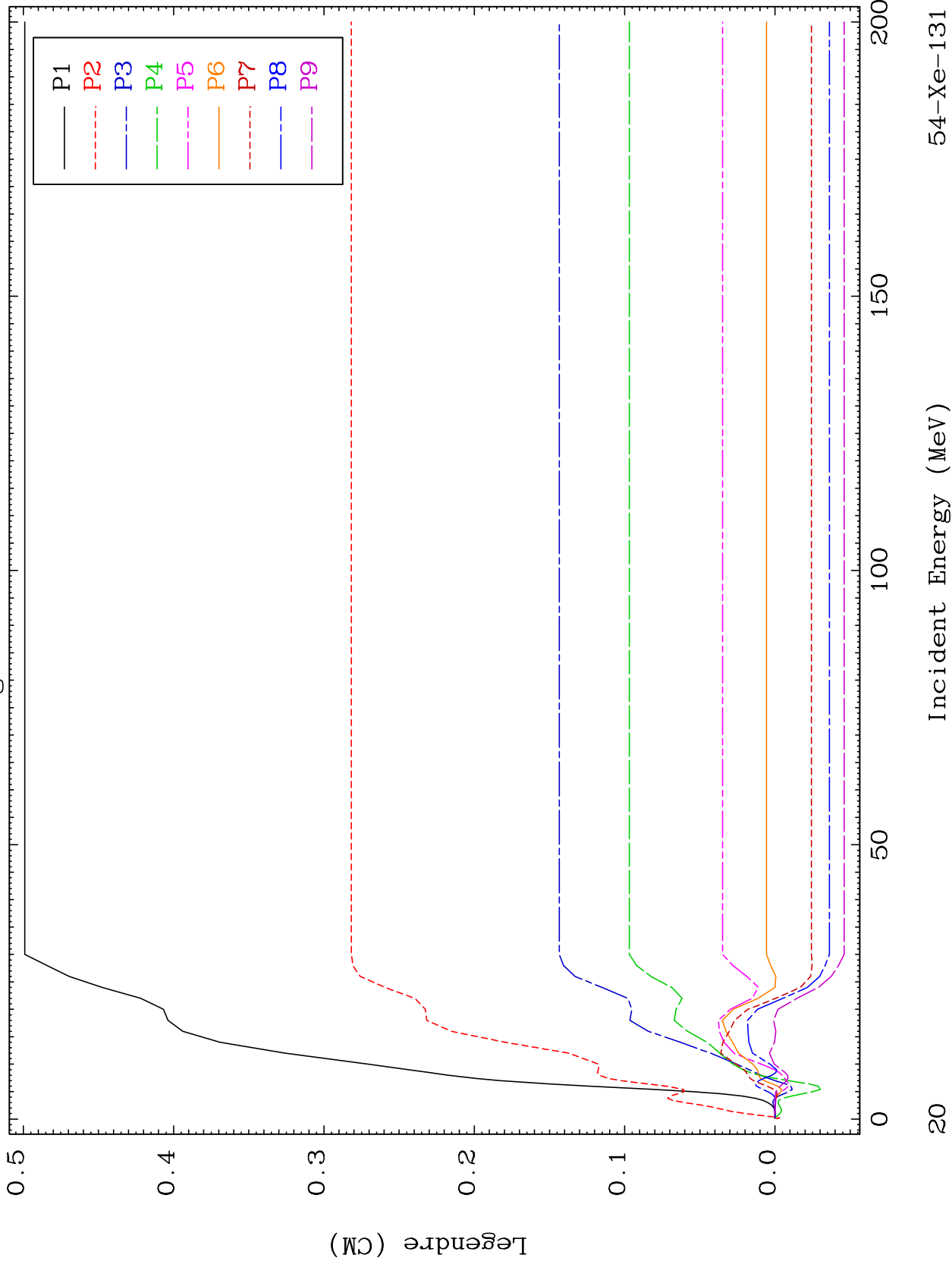


MAT 5446

MT= 51 (n,n') Level

54-Xe-131

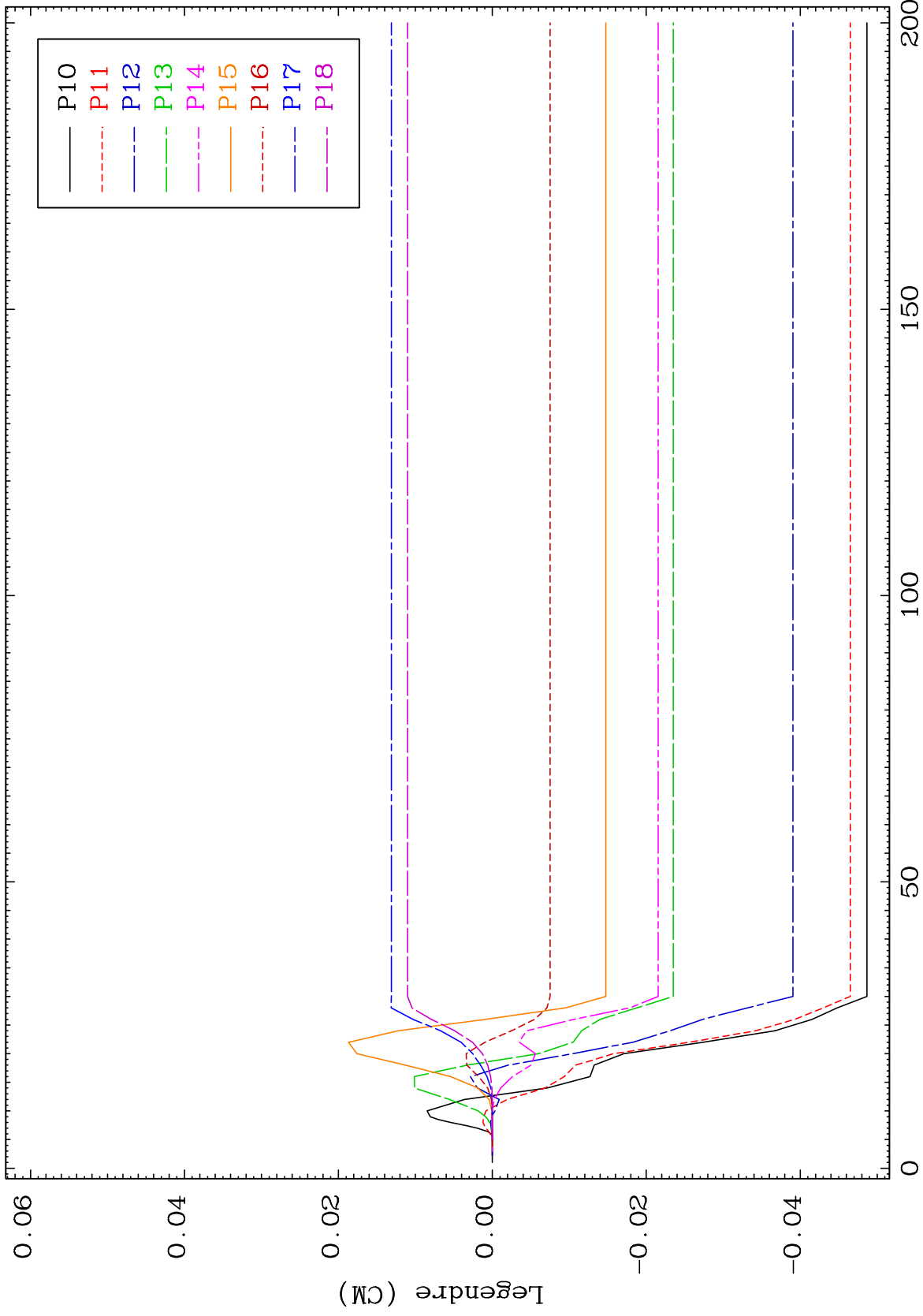
Legendre Coefficients



MAT 5446

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

54-Xe-131



21

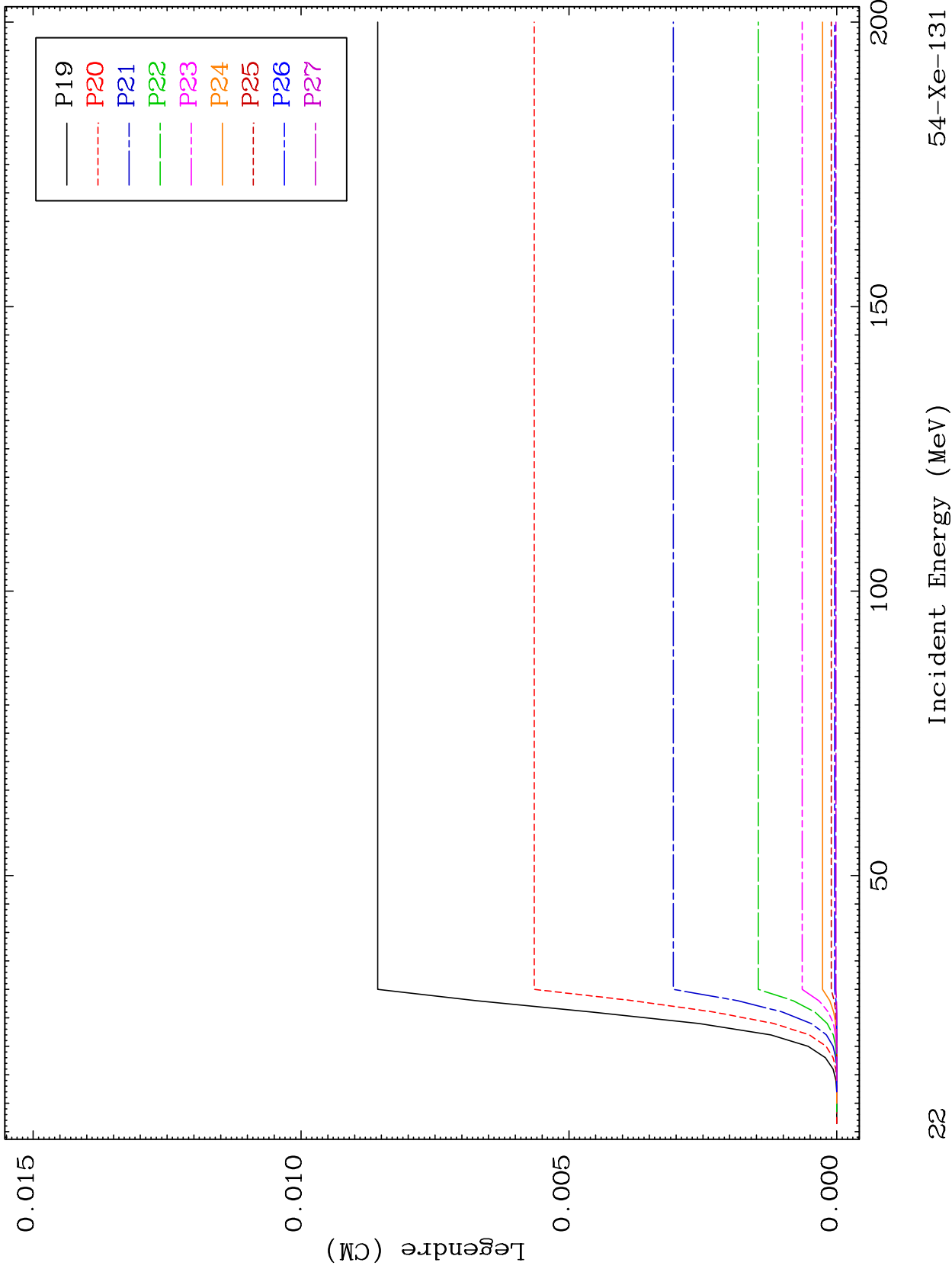
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



22

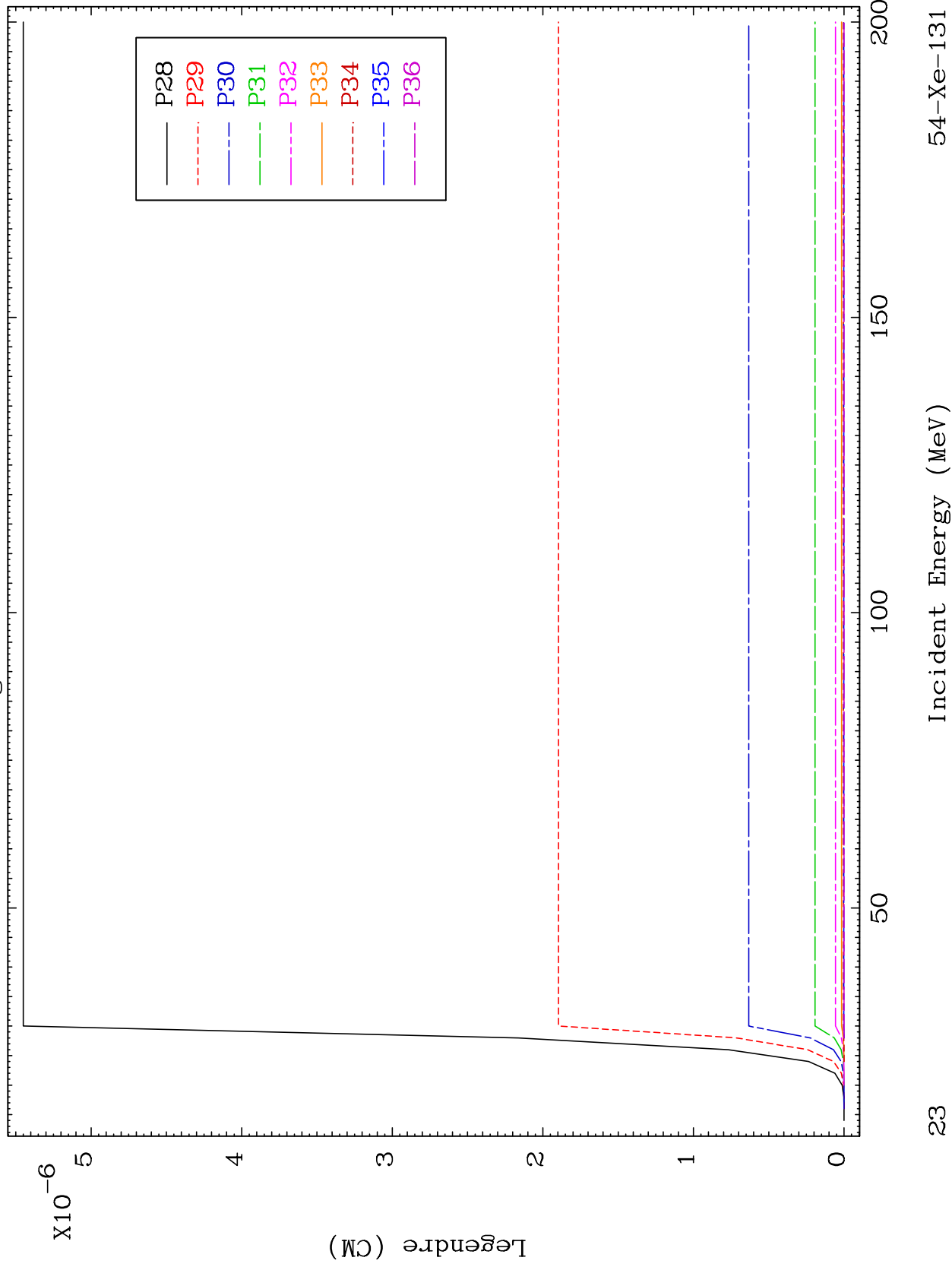
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



23

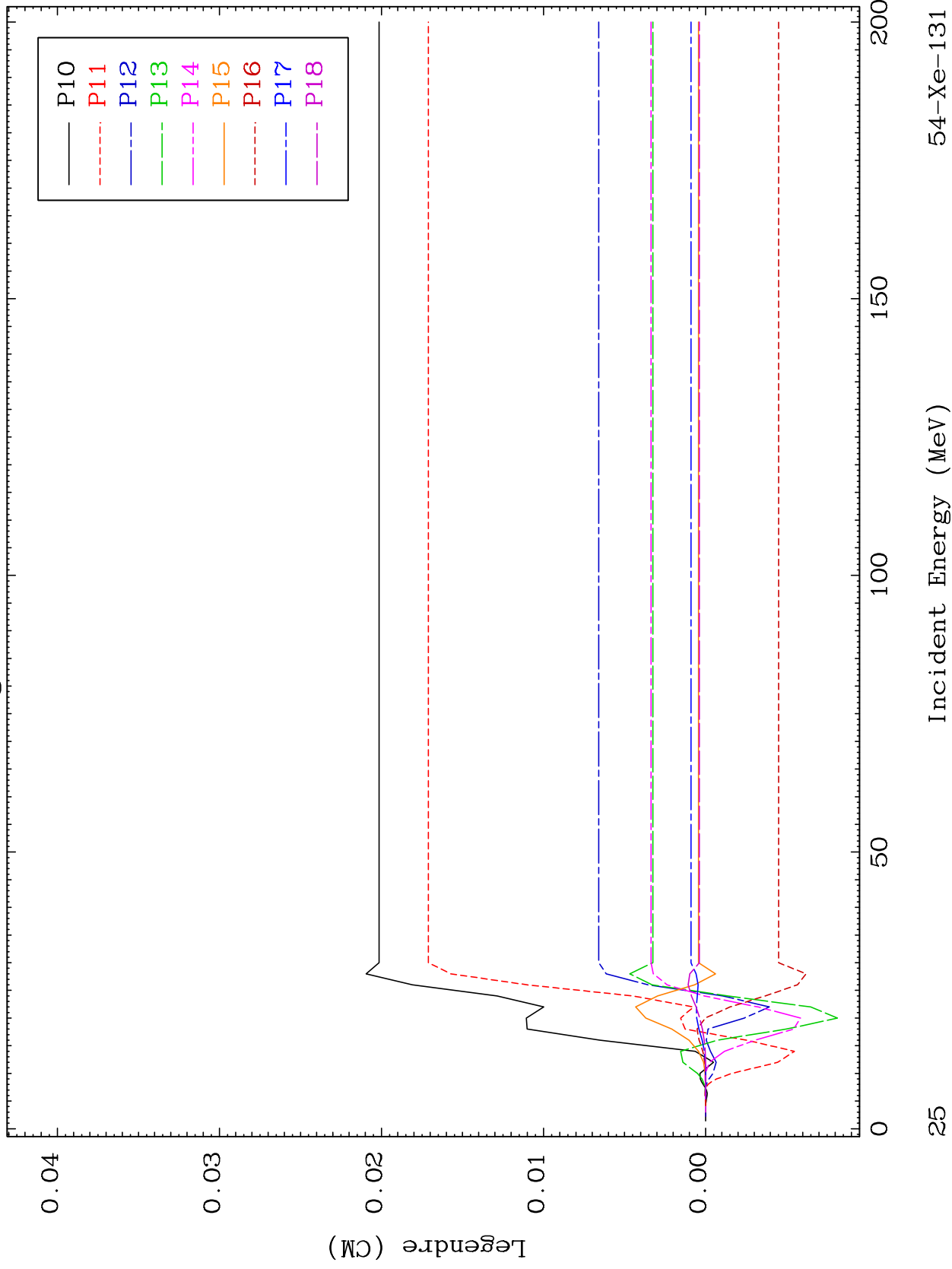
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



54-Xe-131

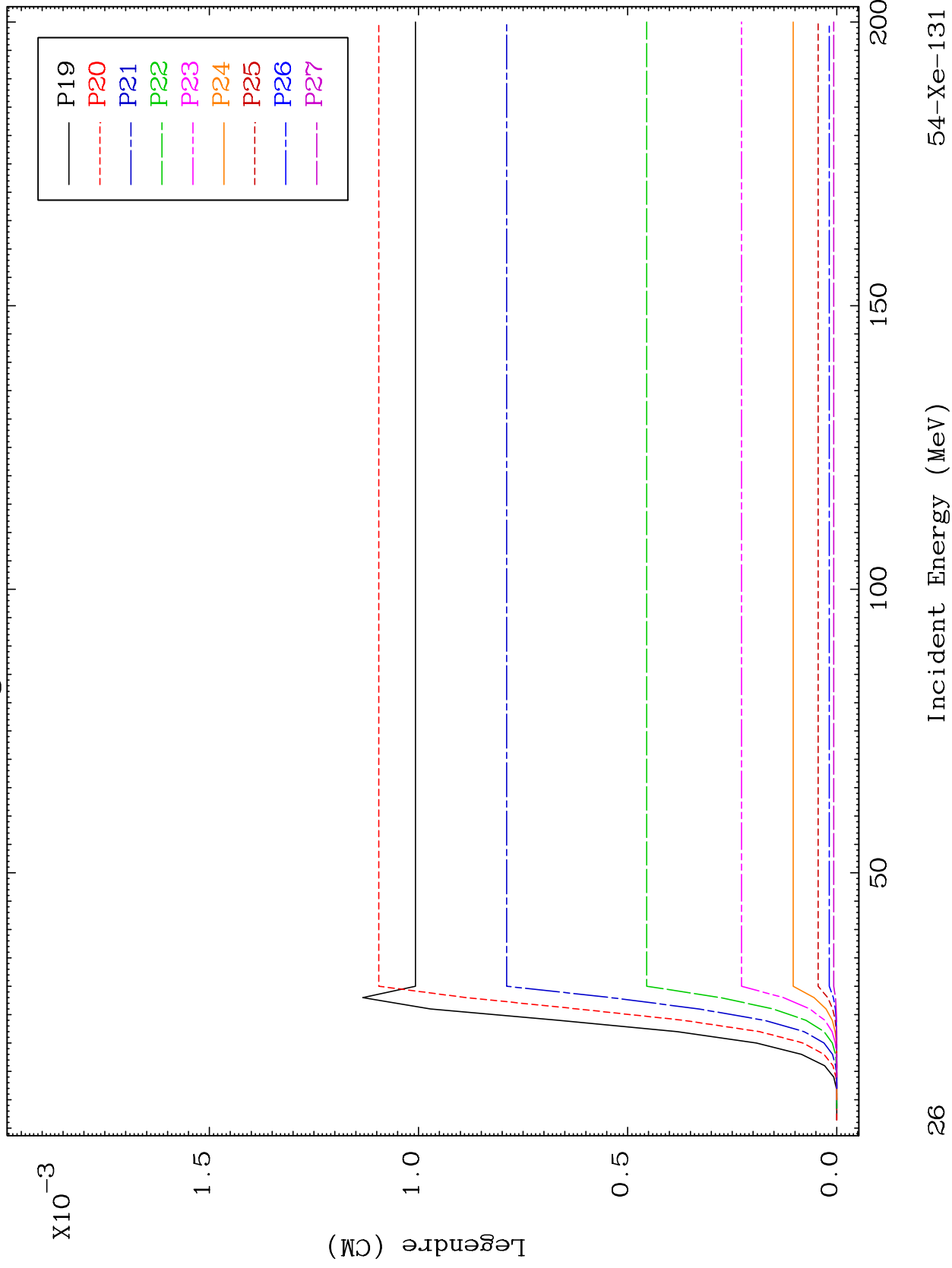
Incident Energy (MeV)

25

MAT 5446

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

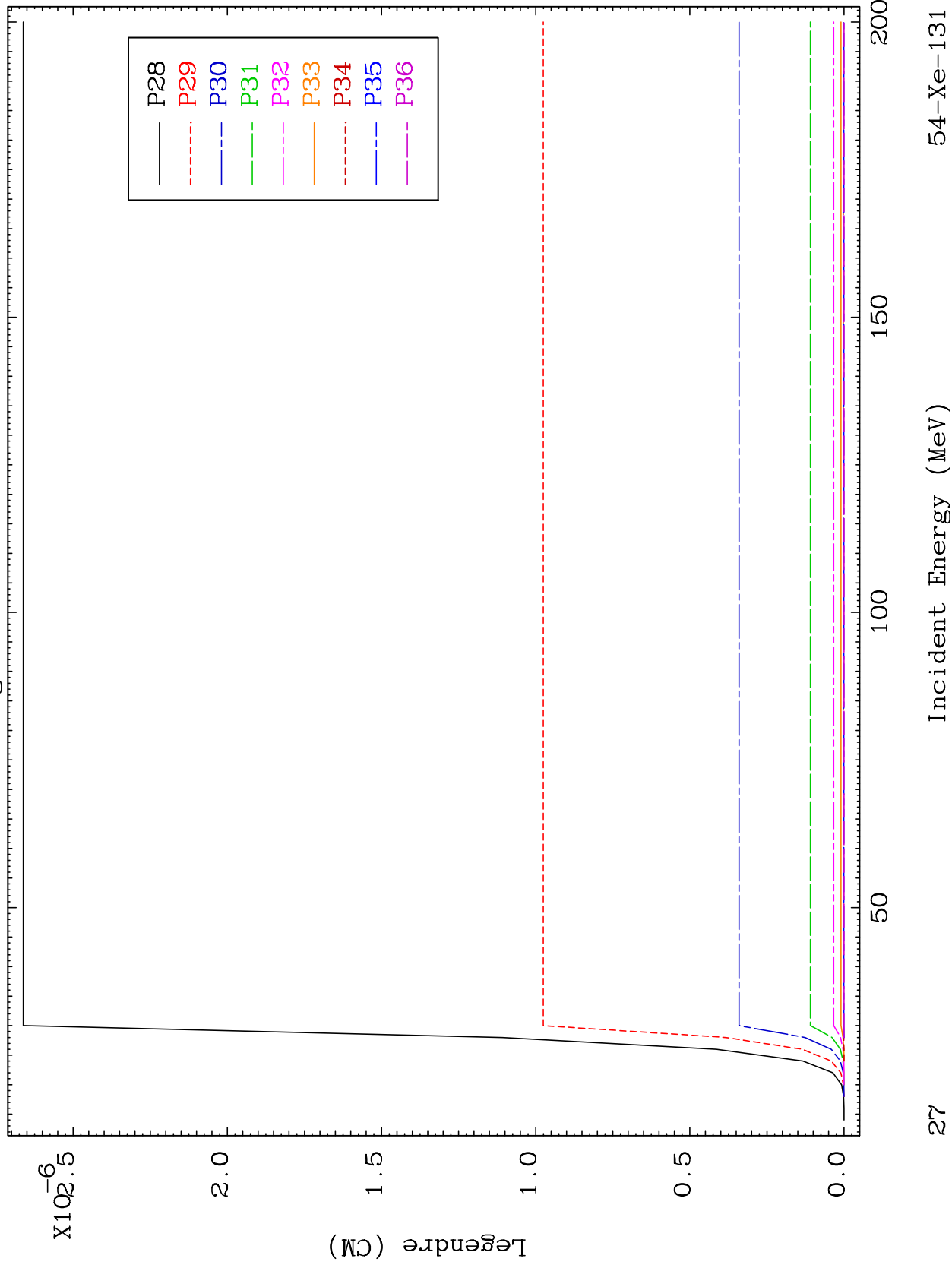
54-Xe-131



MAT 5446

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

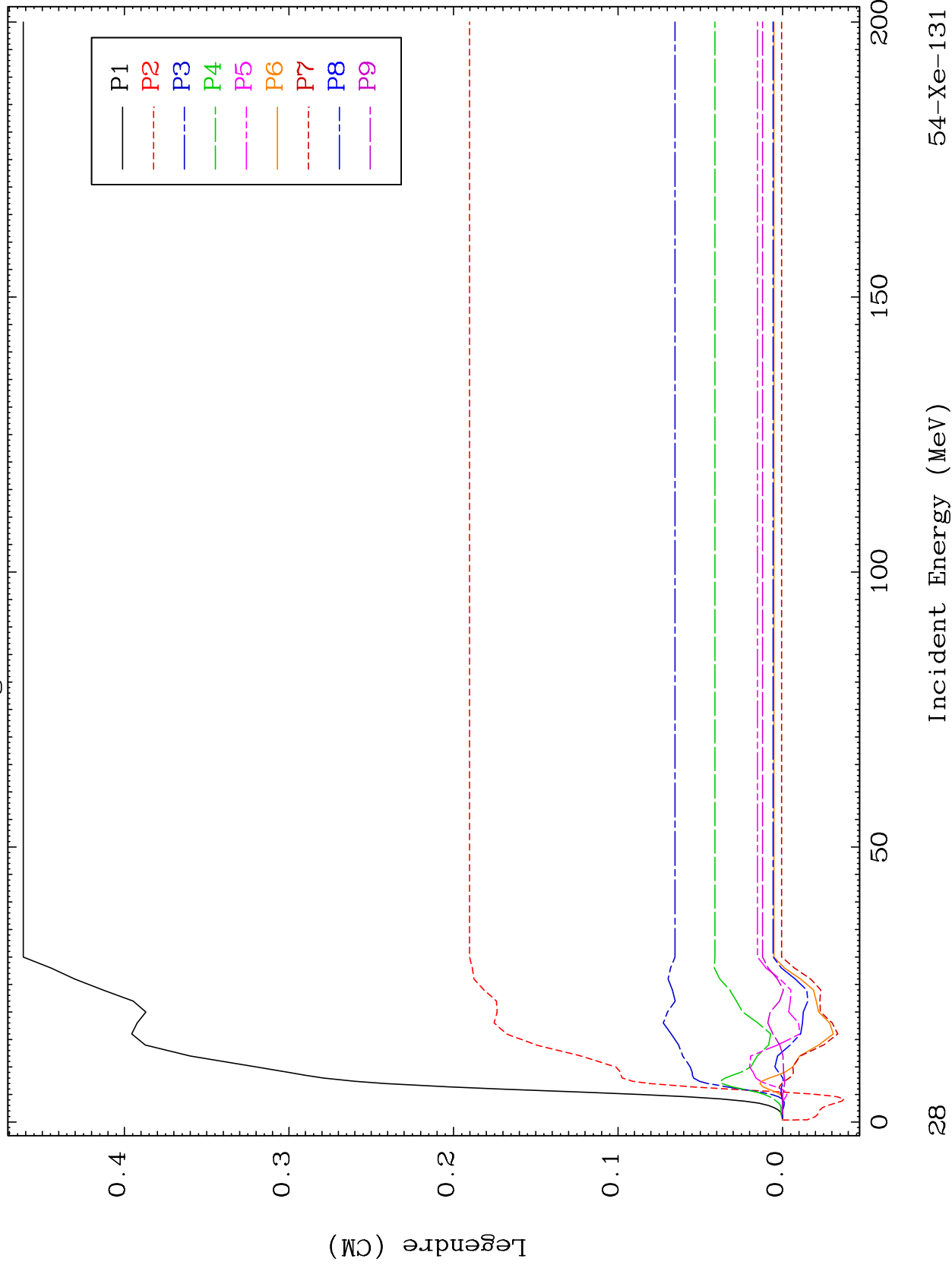
54-Xe-131



MAT 5446

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

54-Xe-131



54-Xe-131

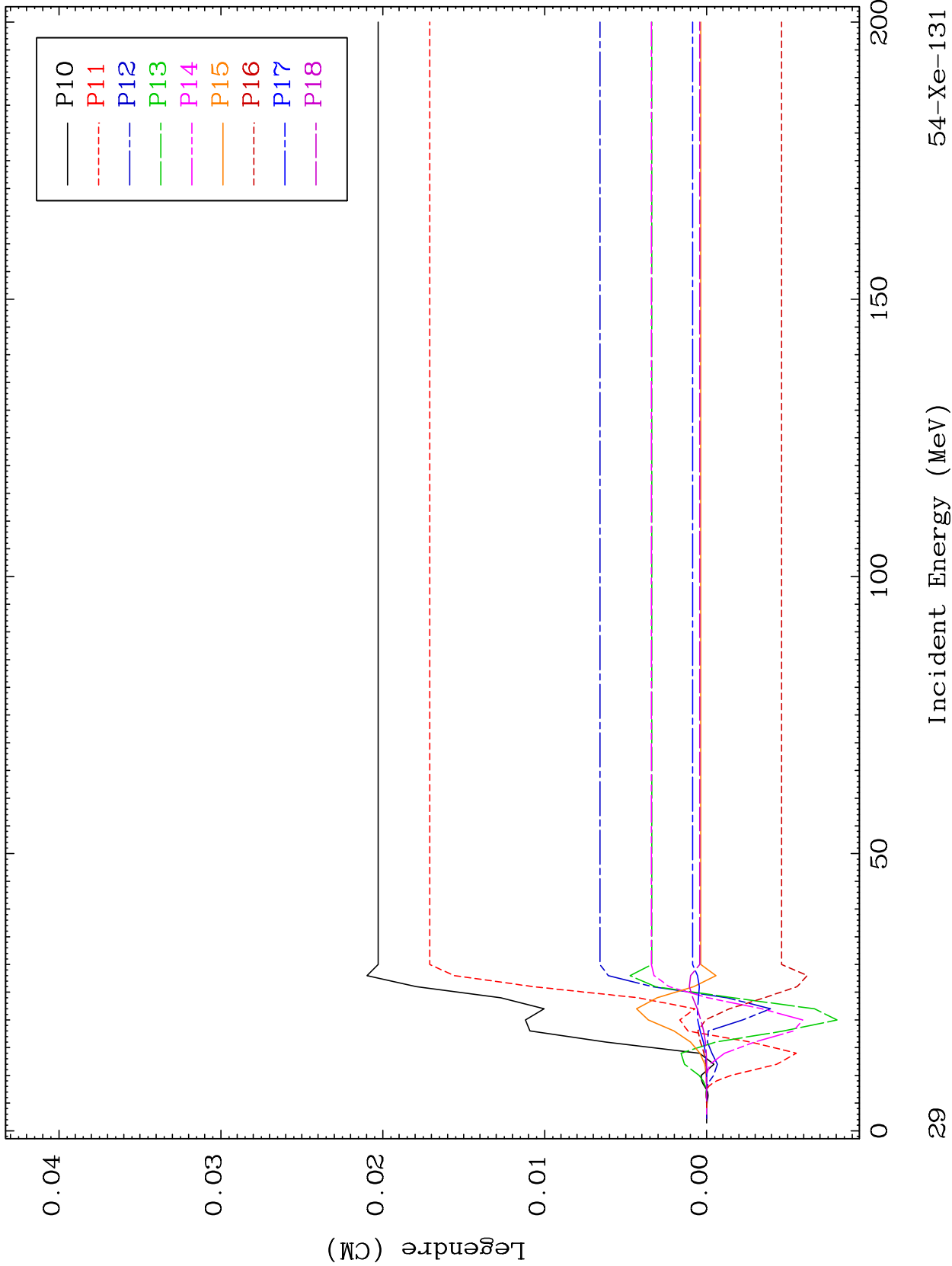
Incident Energy (MeV)

28

MAT 5446

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

54-Xe-131



29

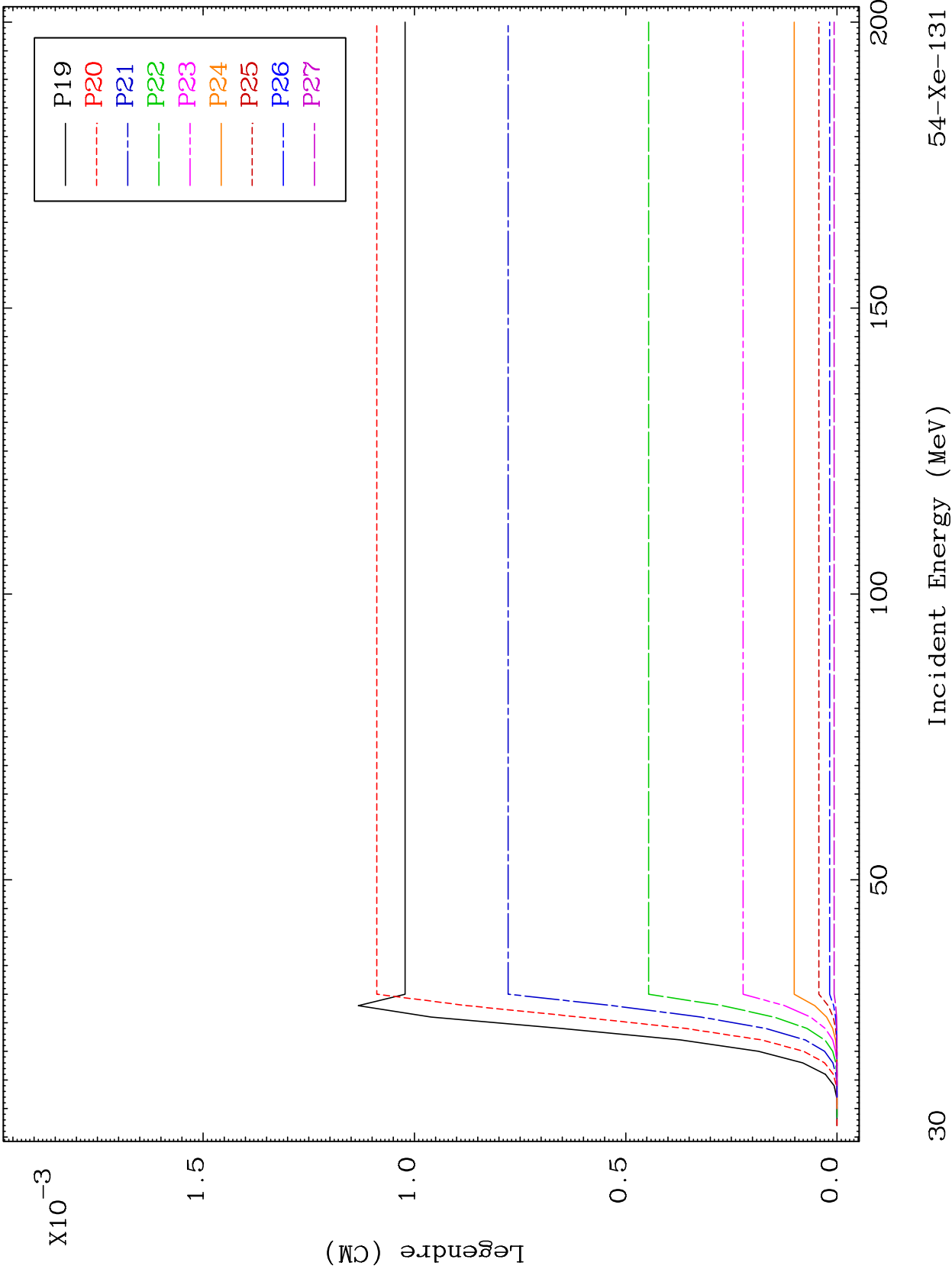
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

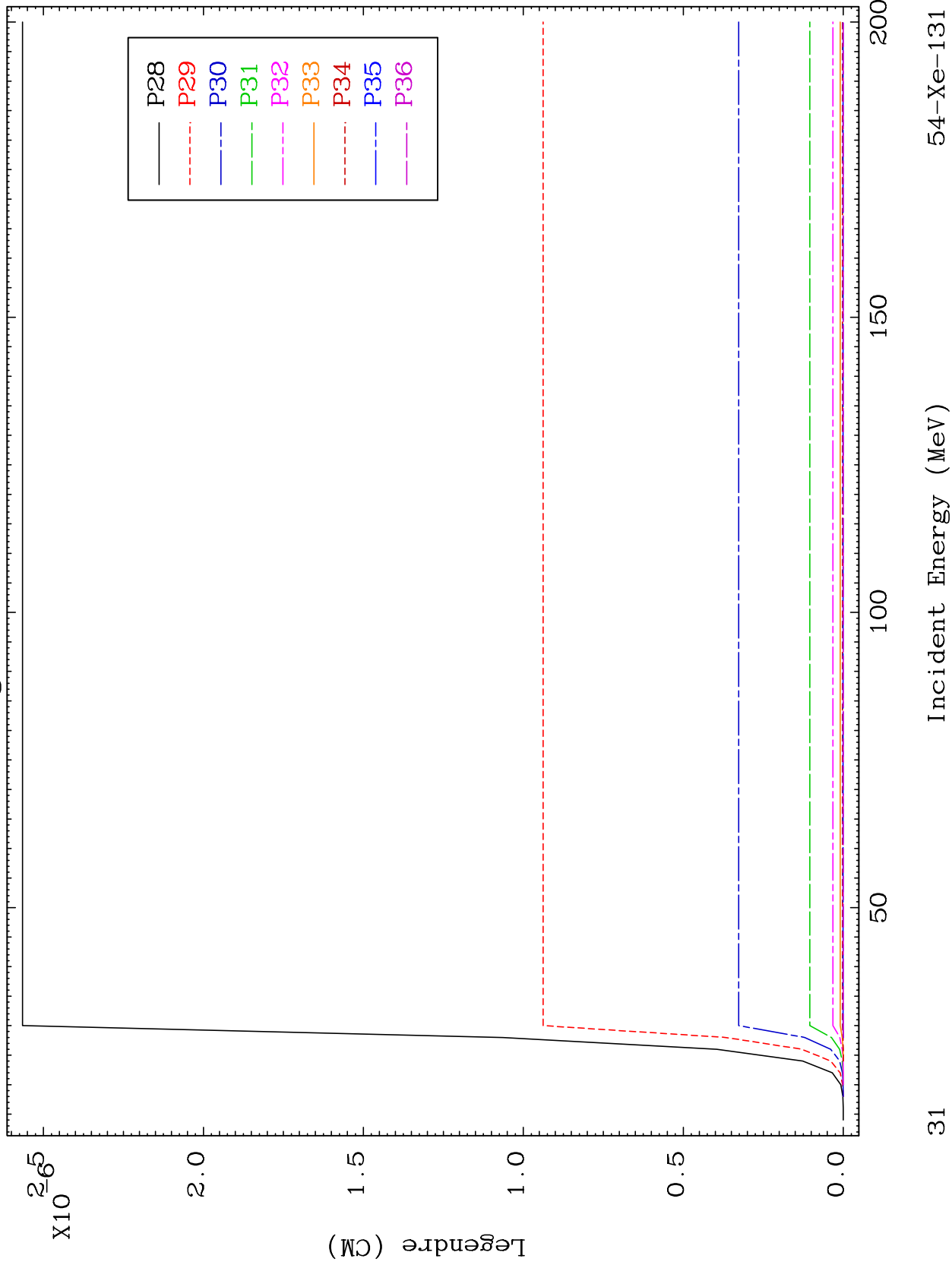
54-Xe-131



MAT 5446

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

54-Xe-131

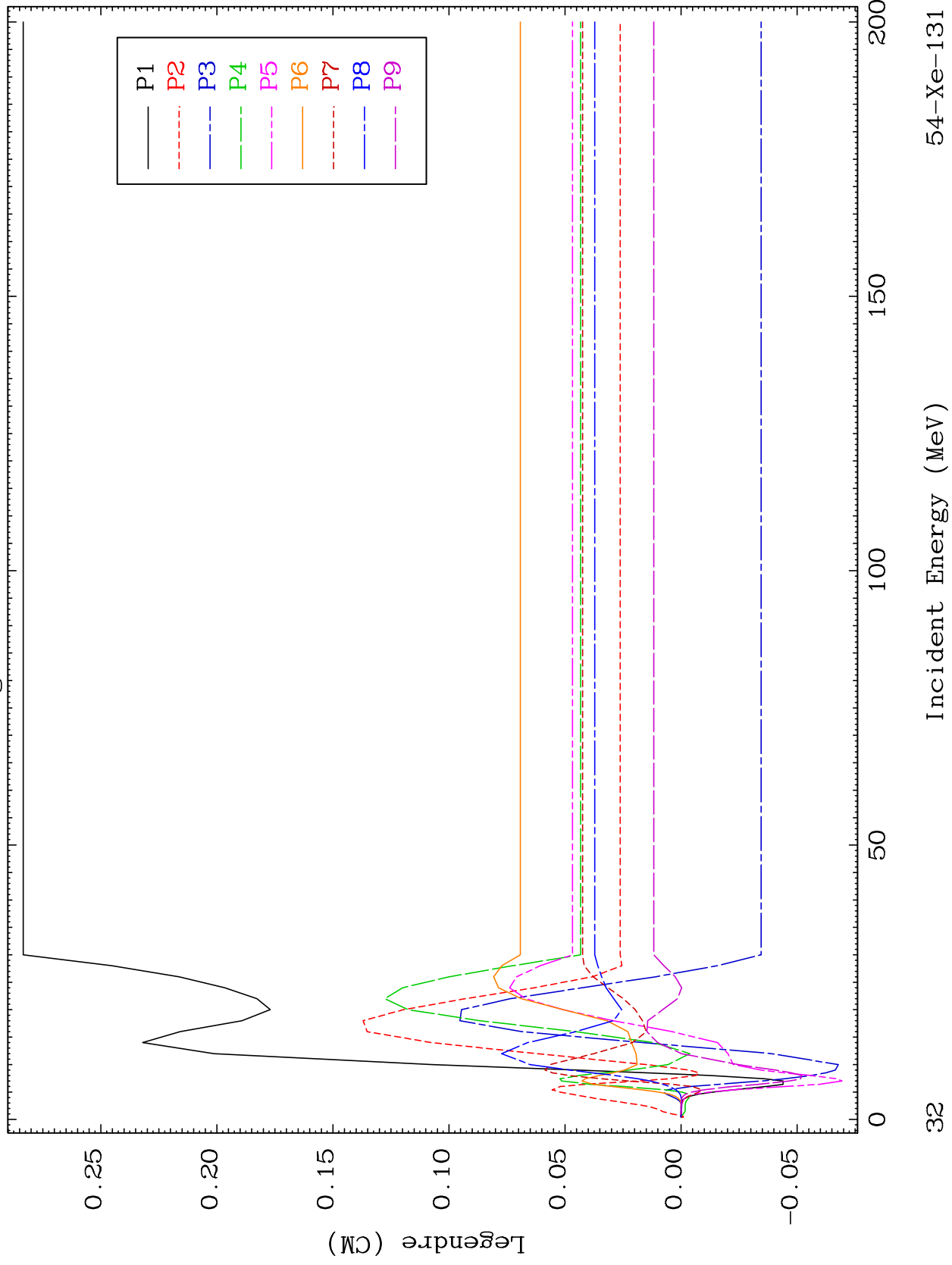


31

MAT 5446

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

54-Xe-131



54-Xe-131

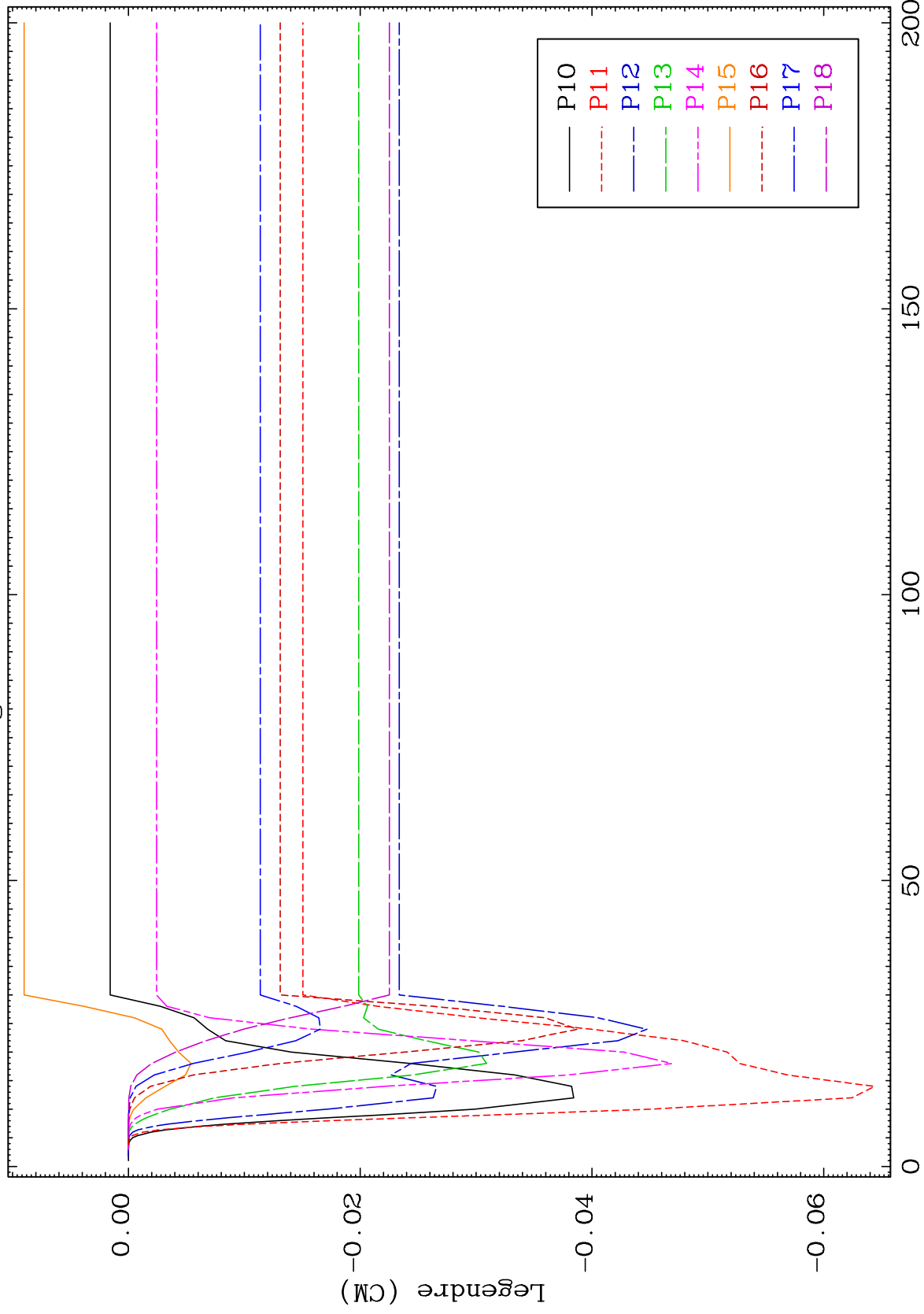
Incident Energy (MeV)

32

MAT 5446

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

54-Xe-131



33

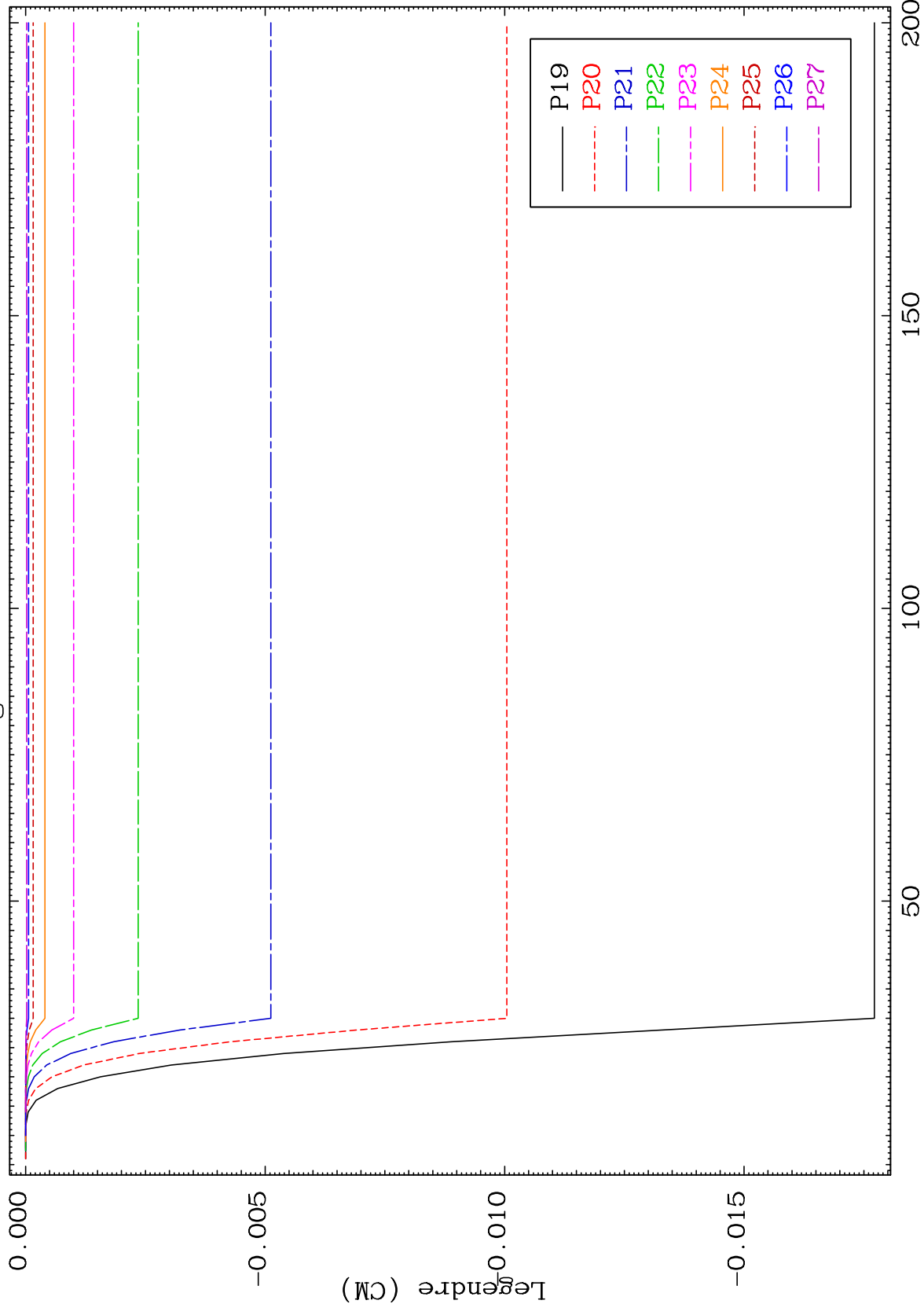
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

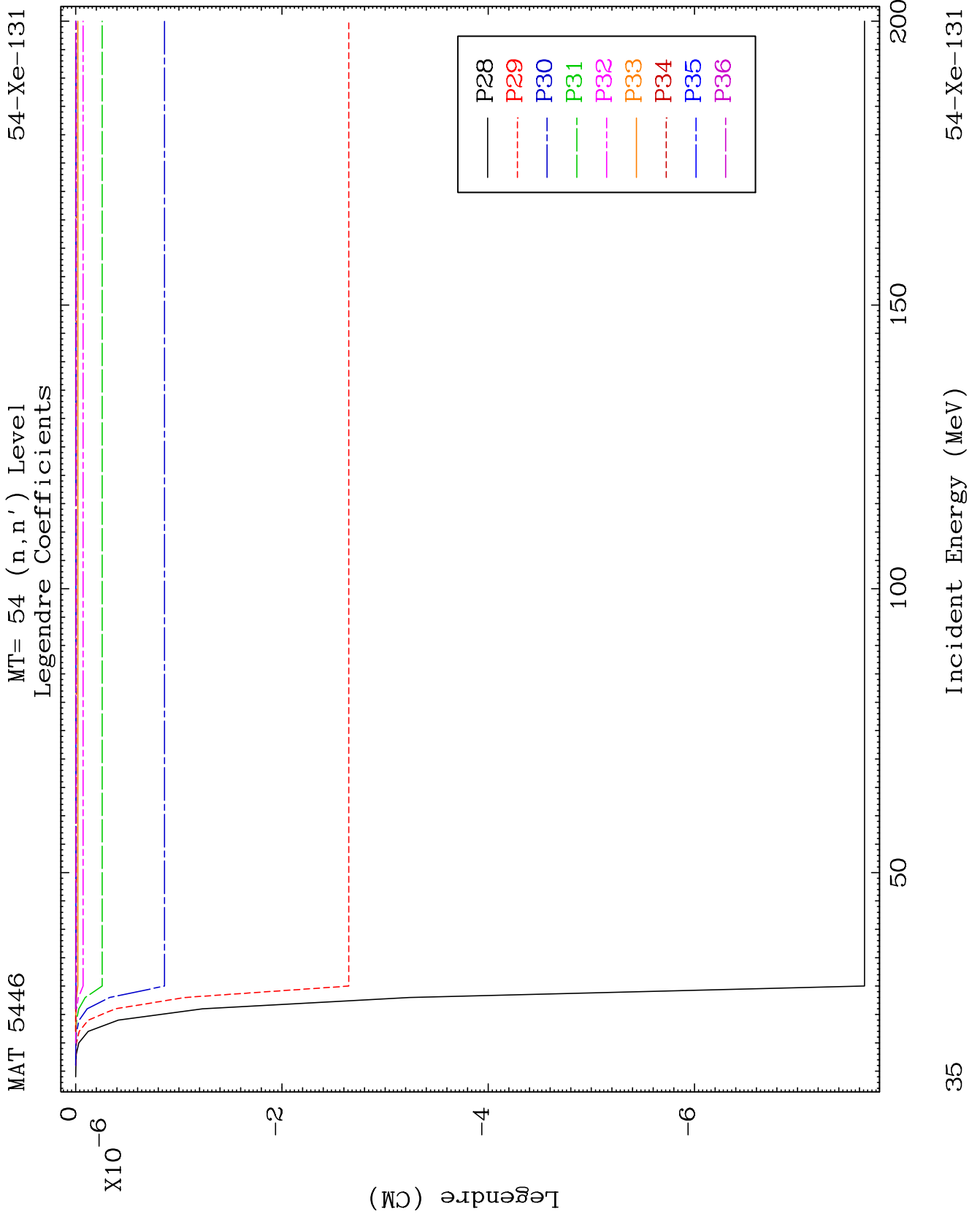
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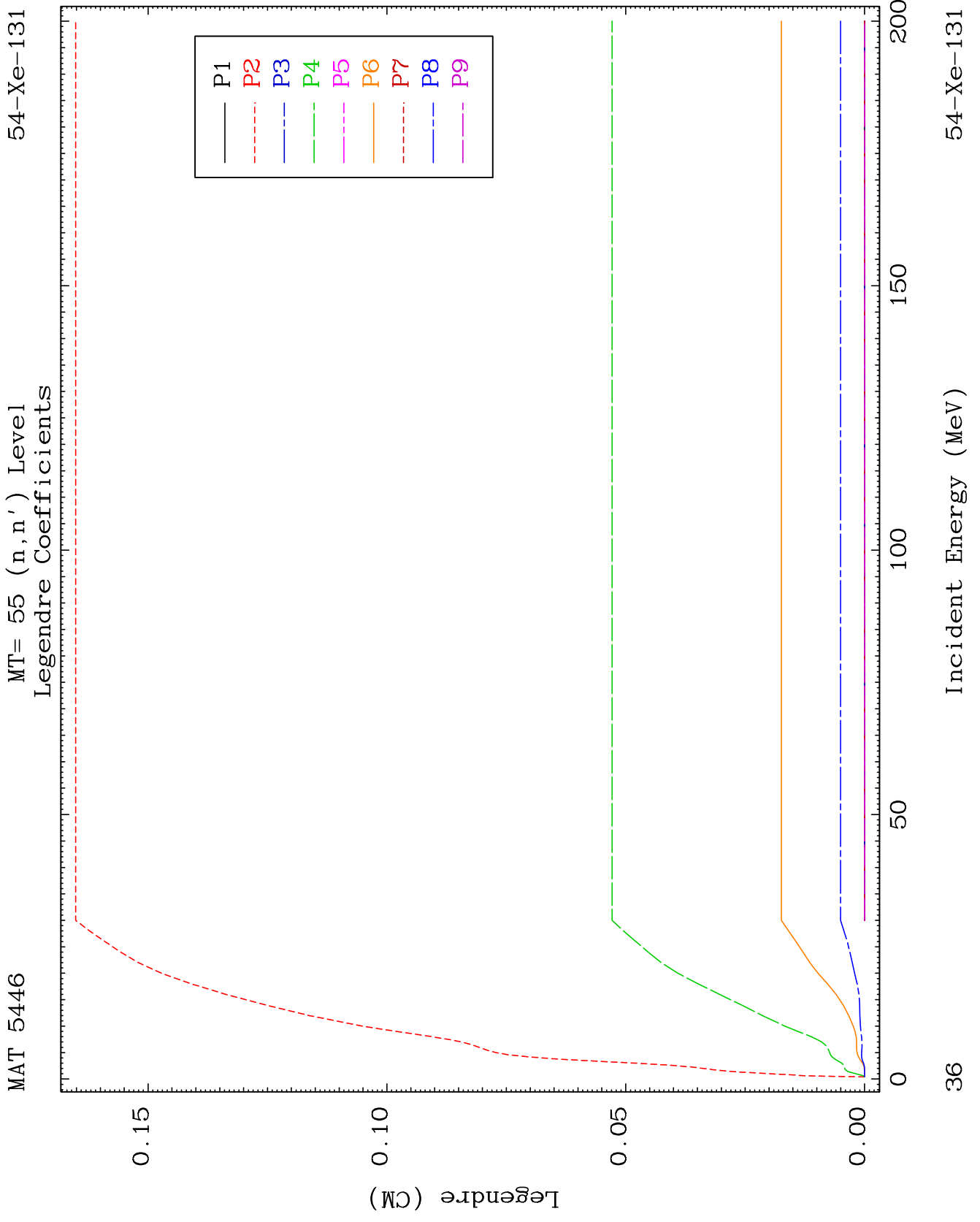


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Incident Energy (MeV)

54-Xe-131

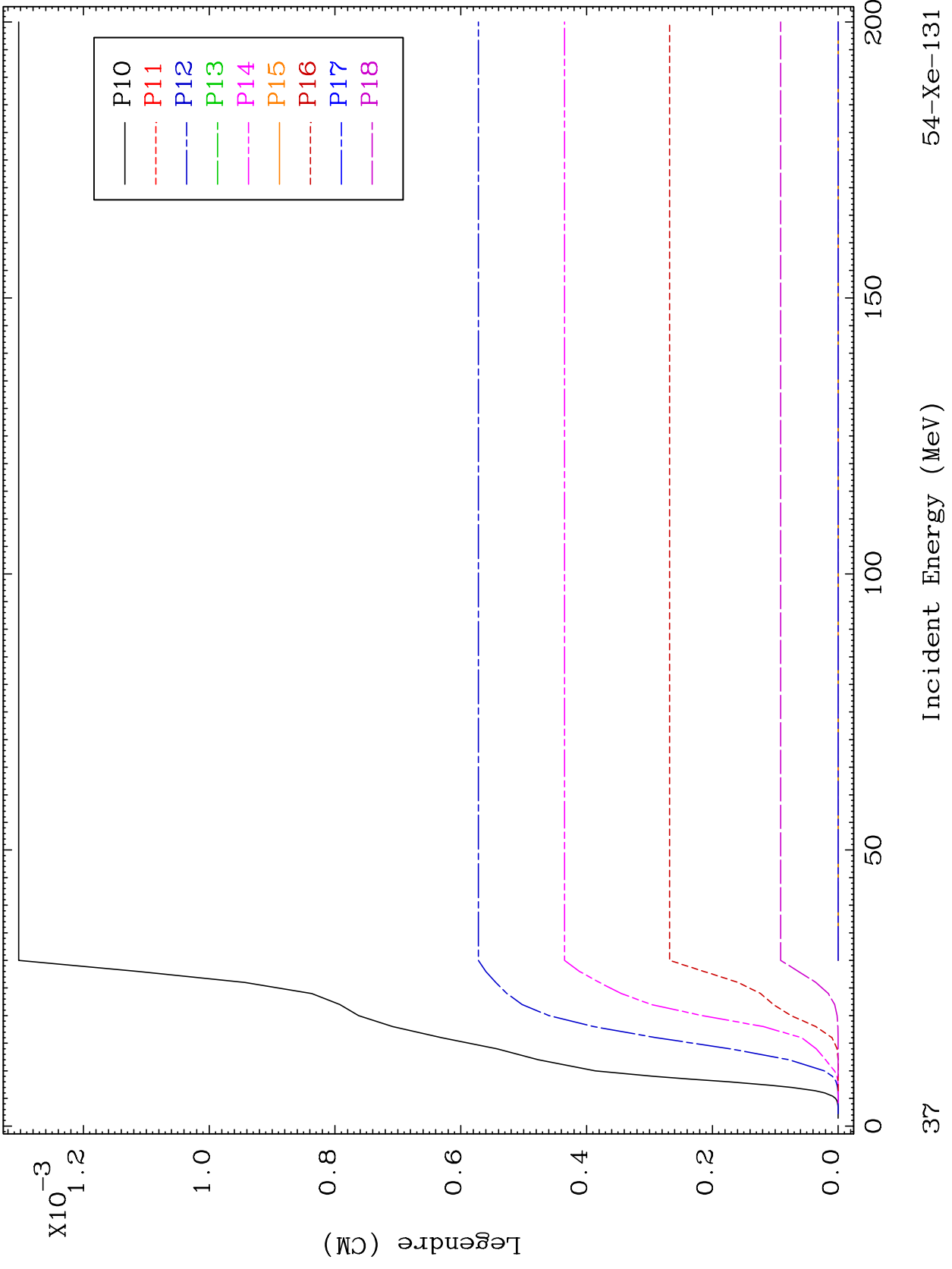




MAT 5446

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

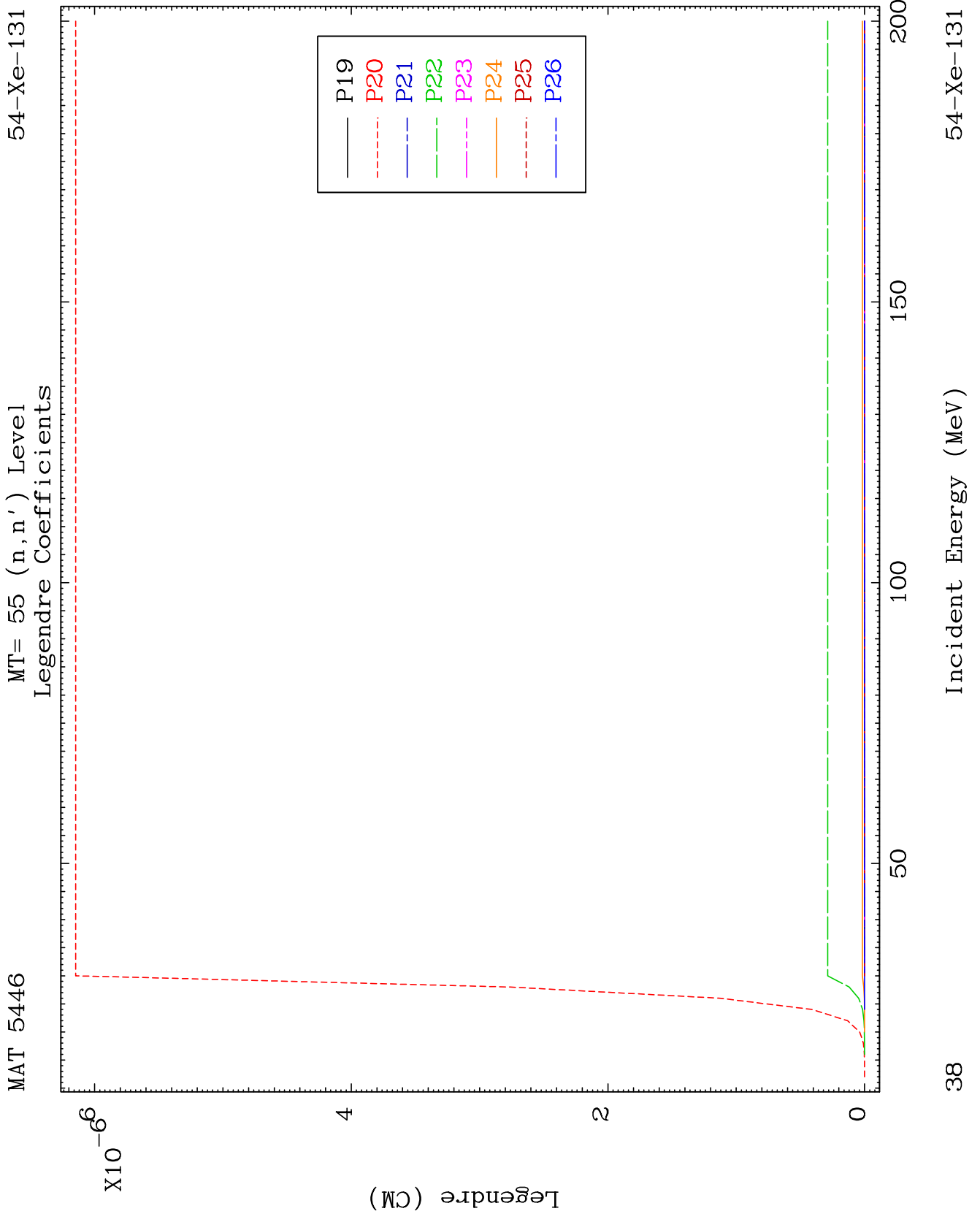
54-Xe-131



54-Xe-131

Incident Energy (MeV)

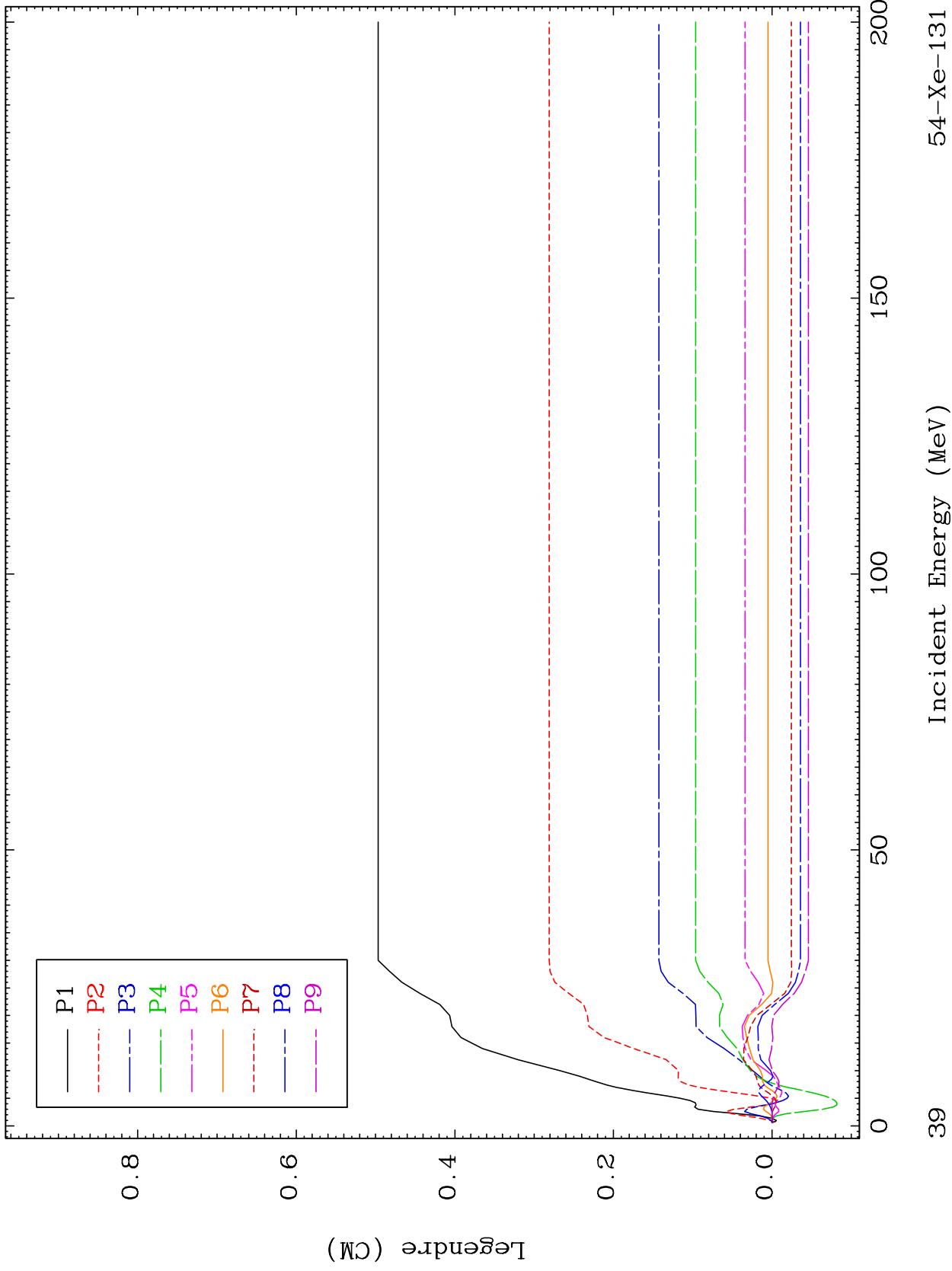
37



MAT 5446

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

54-Xe-131



39

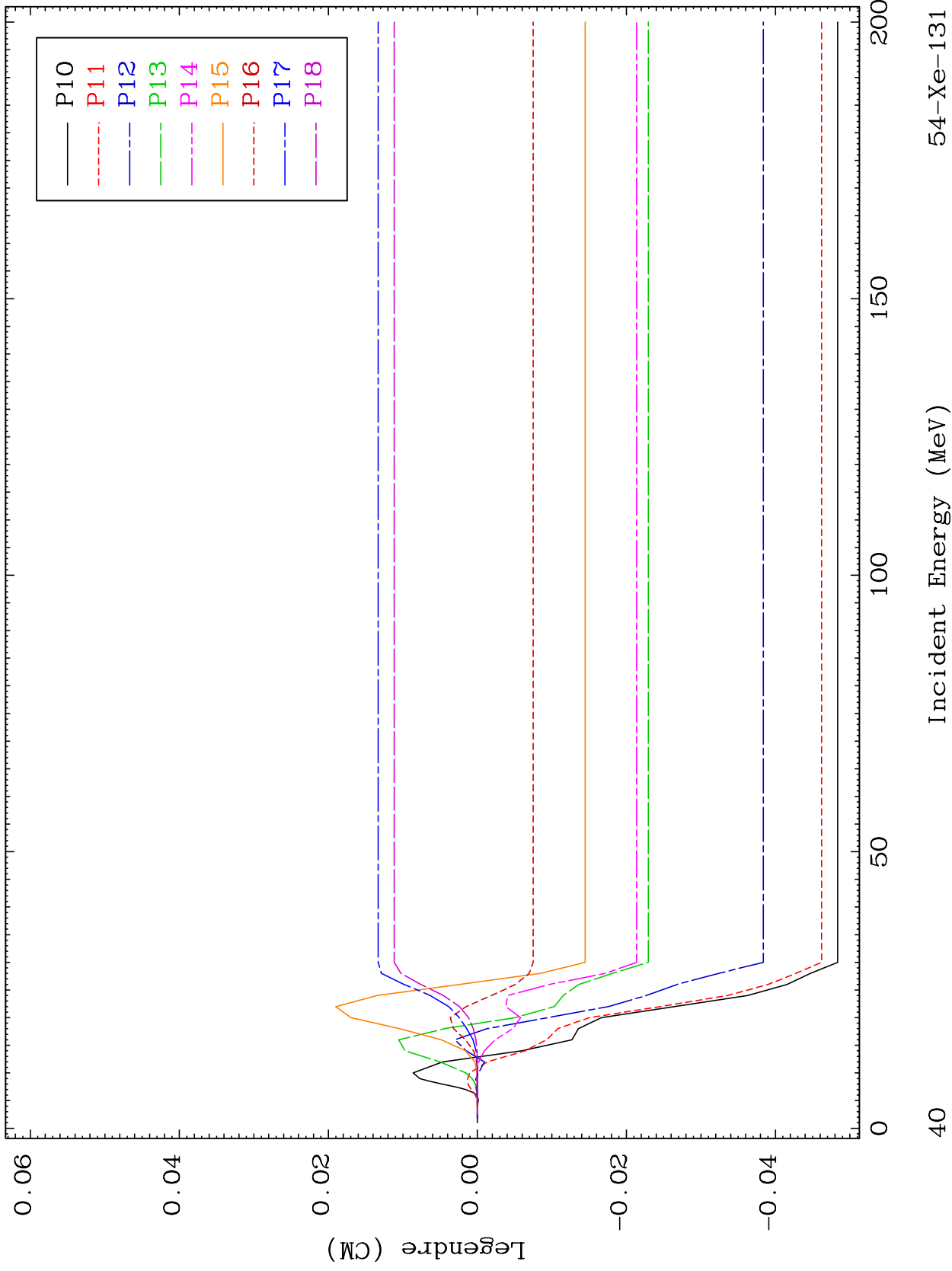
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

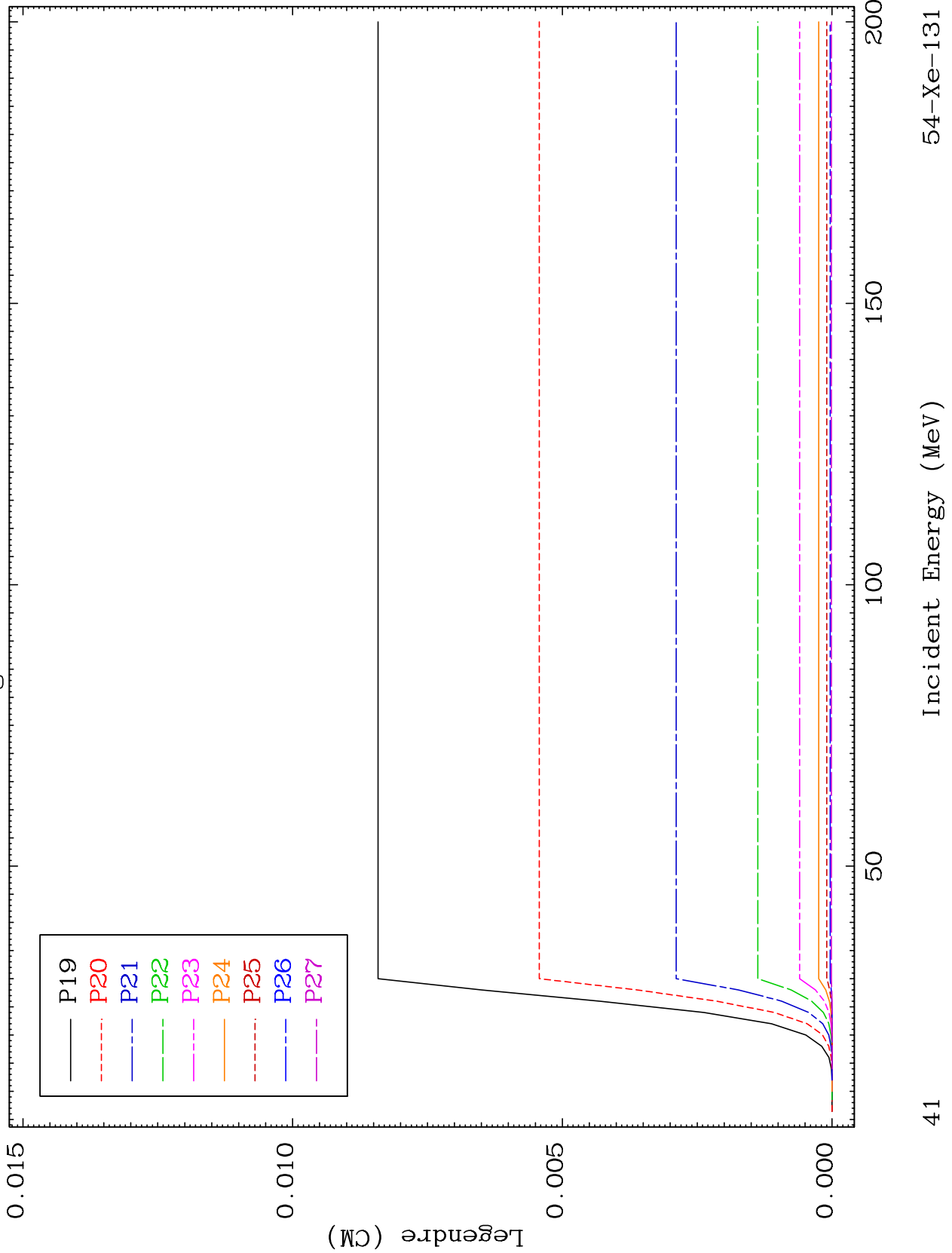
54-Xe-131



MAT 5446

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

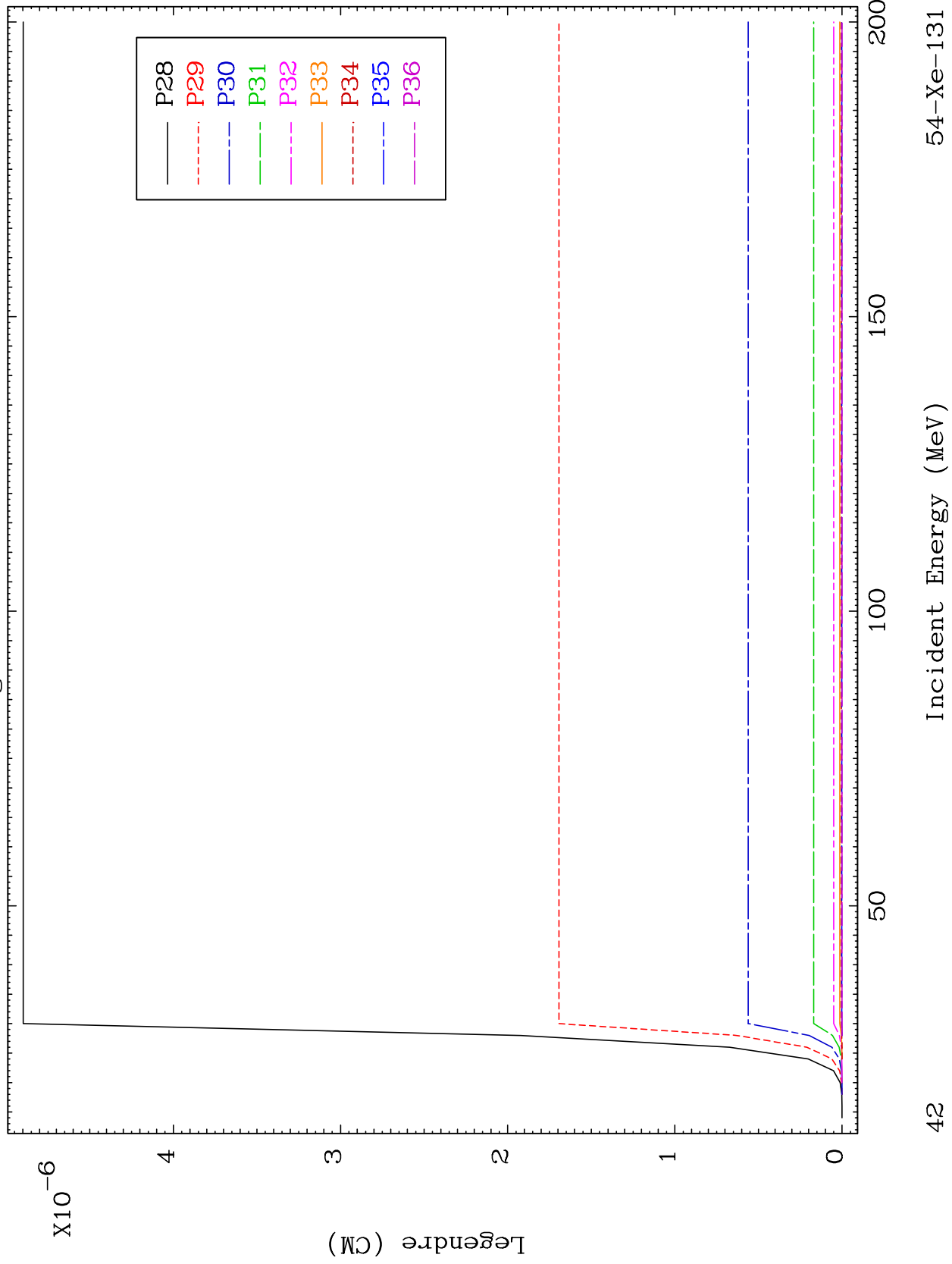
54-Xe-131



MAT 5446

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

54-Xe-131



42

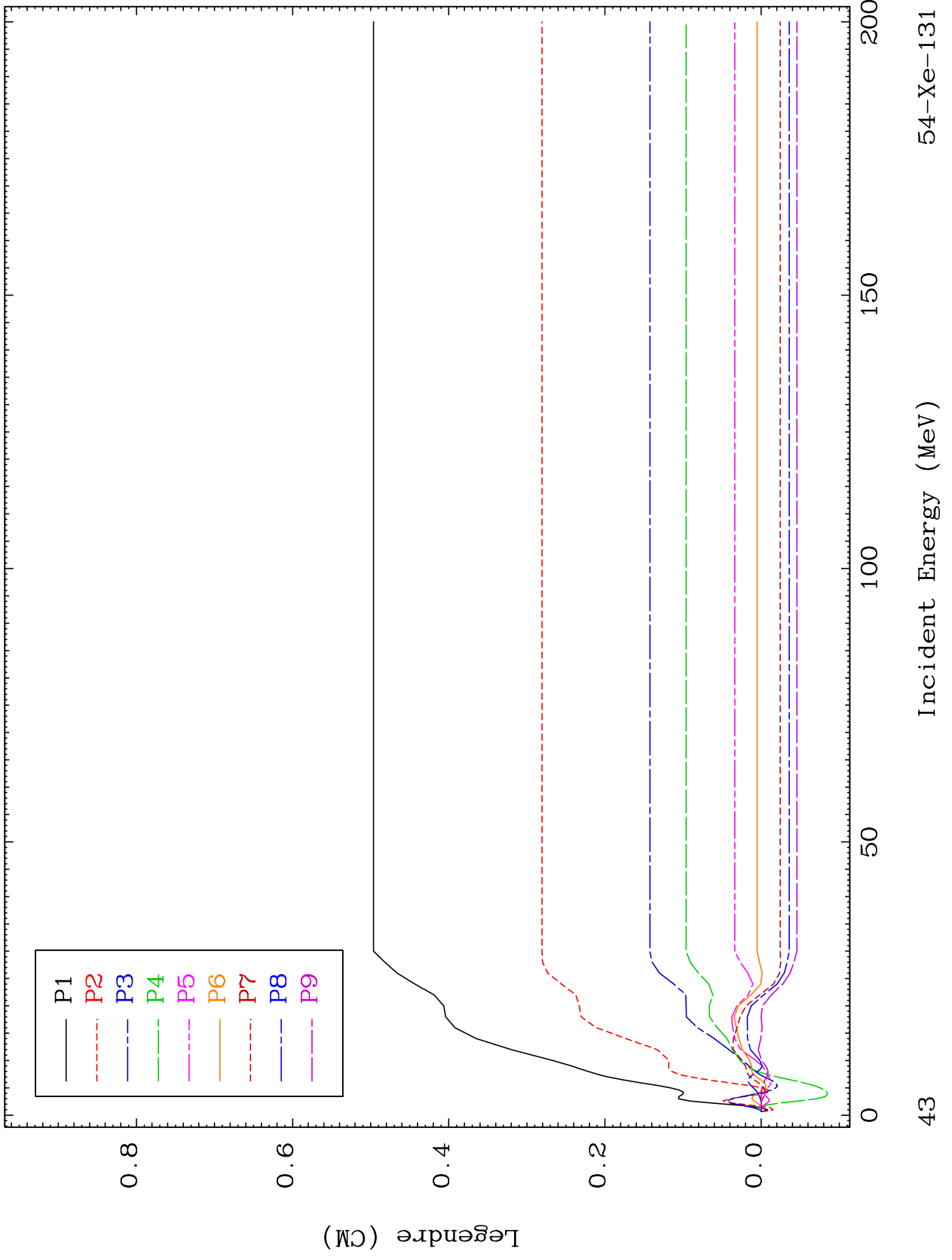
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



54-Xe-131

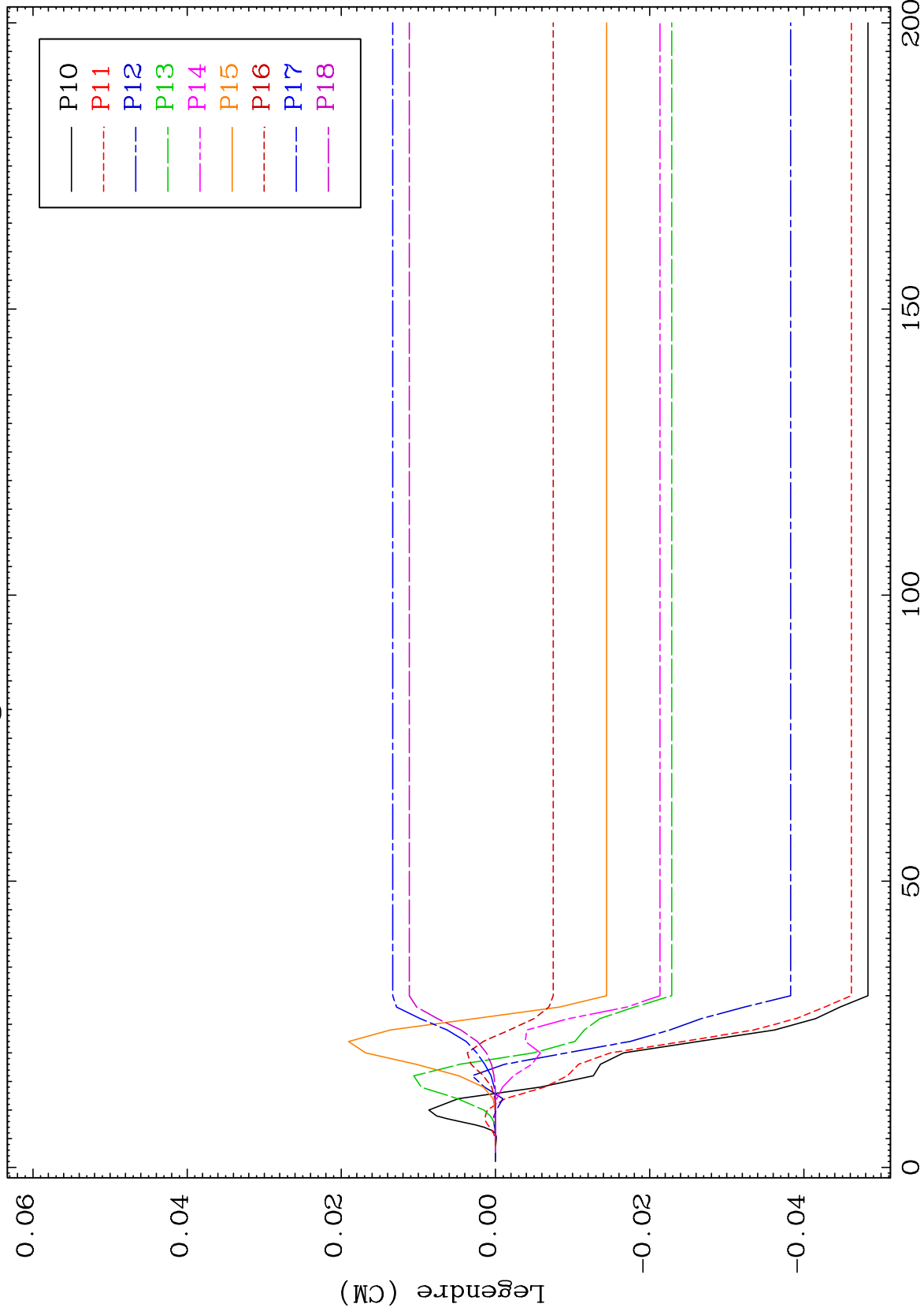
Incident Energy (MeV)

43

MAT 5446

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

54-Xe-131



44

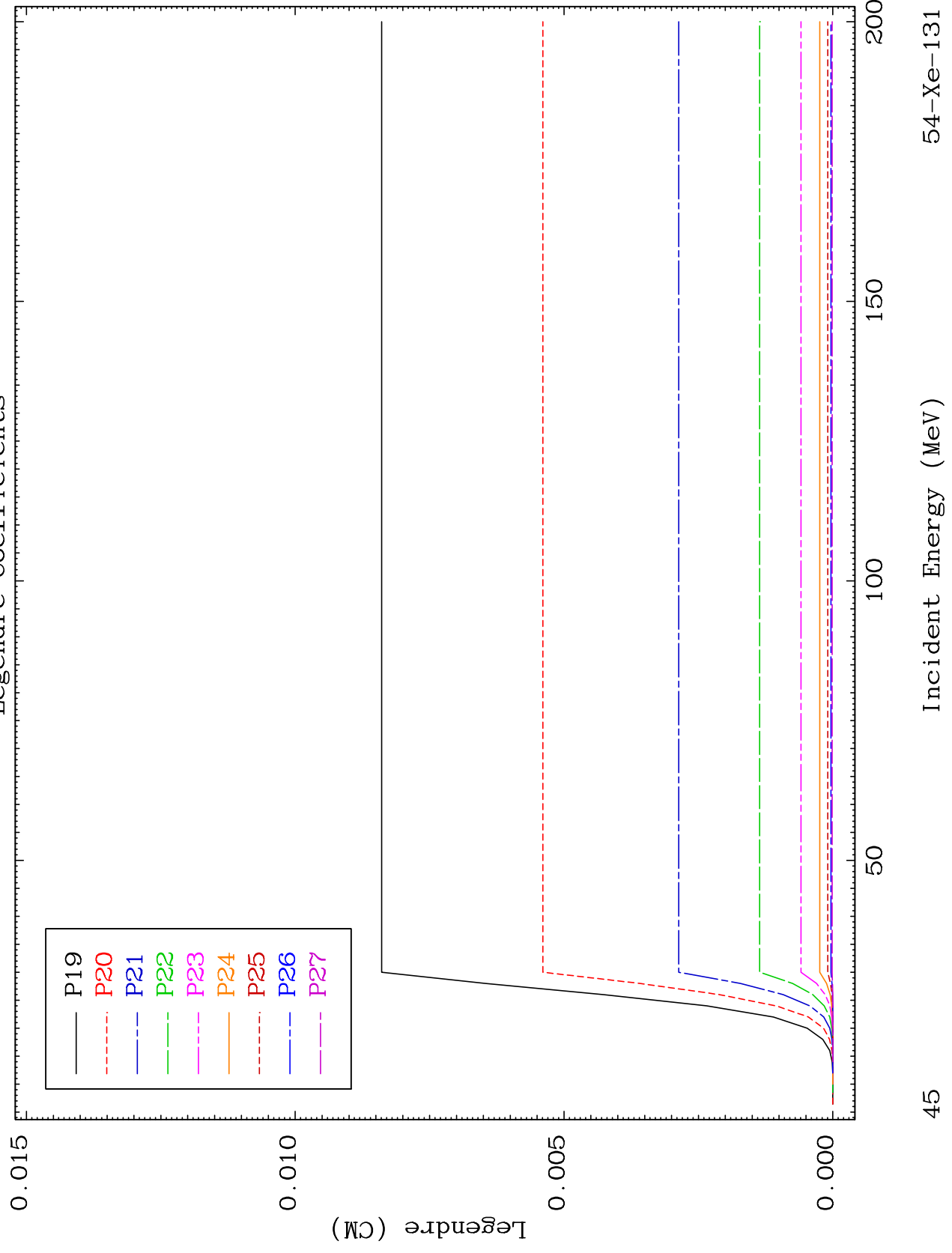
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



45

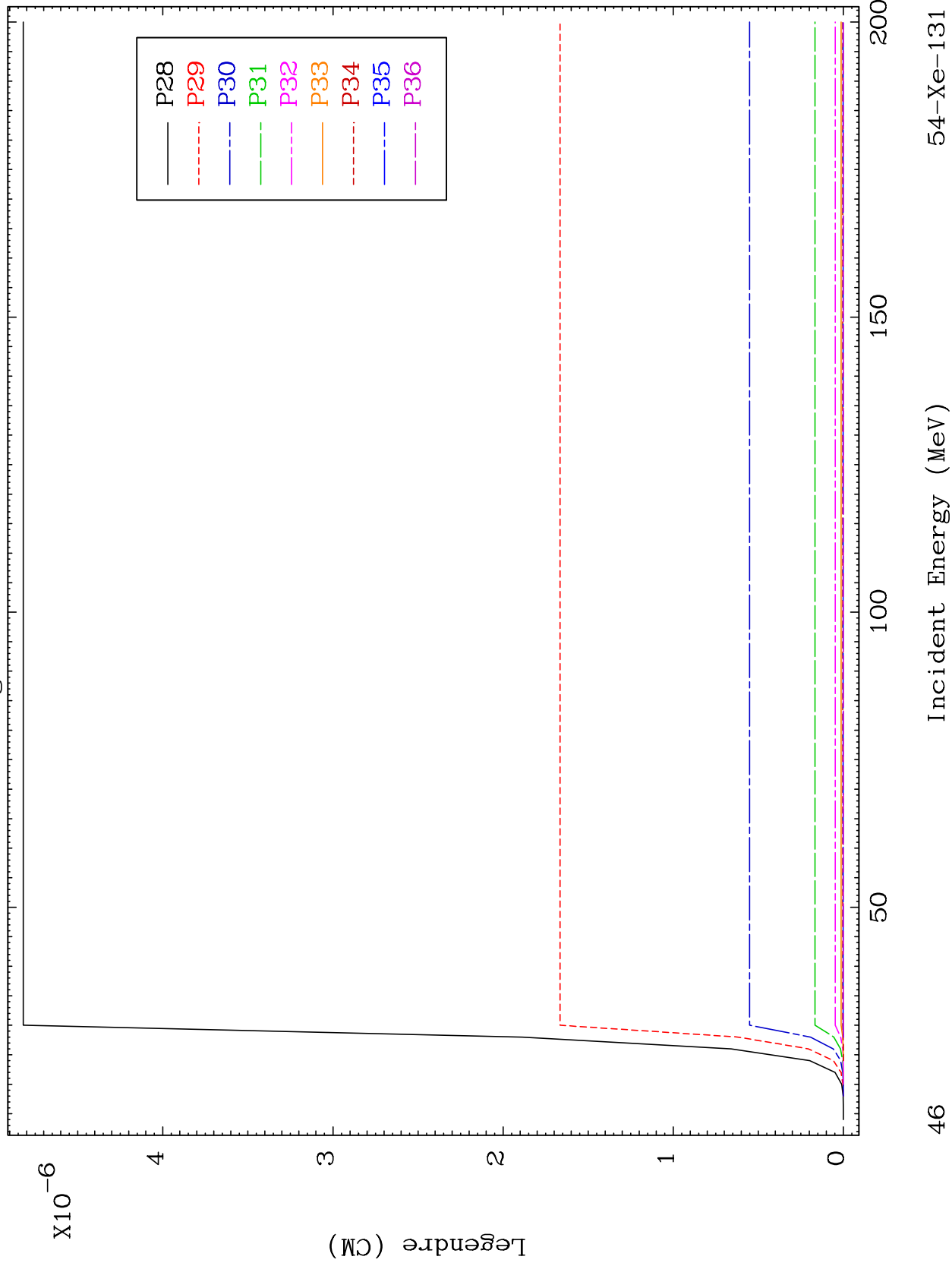
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

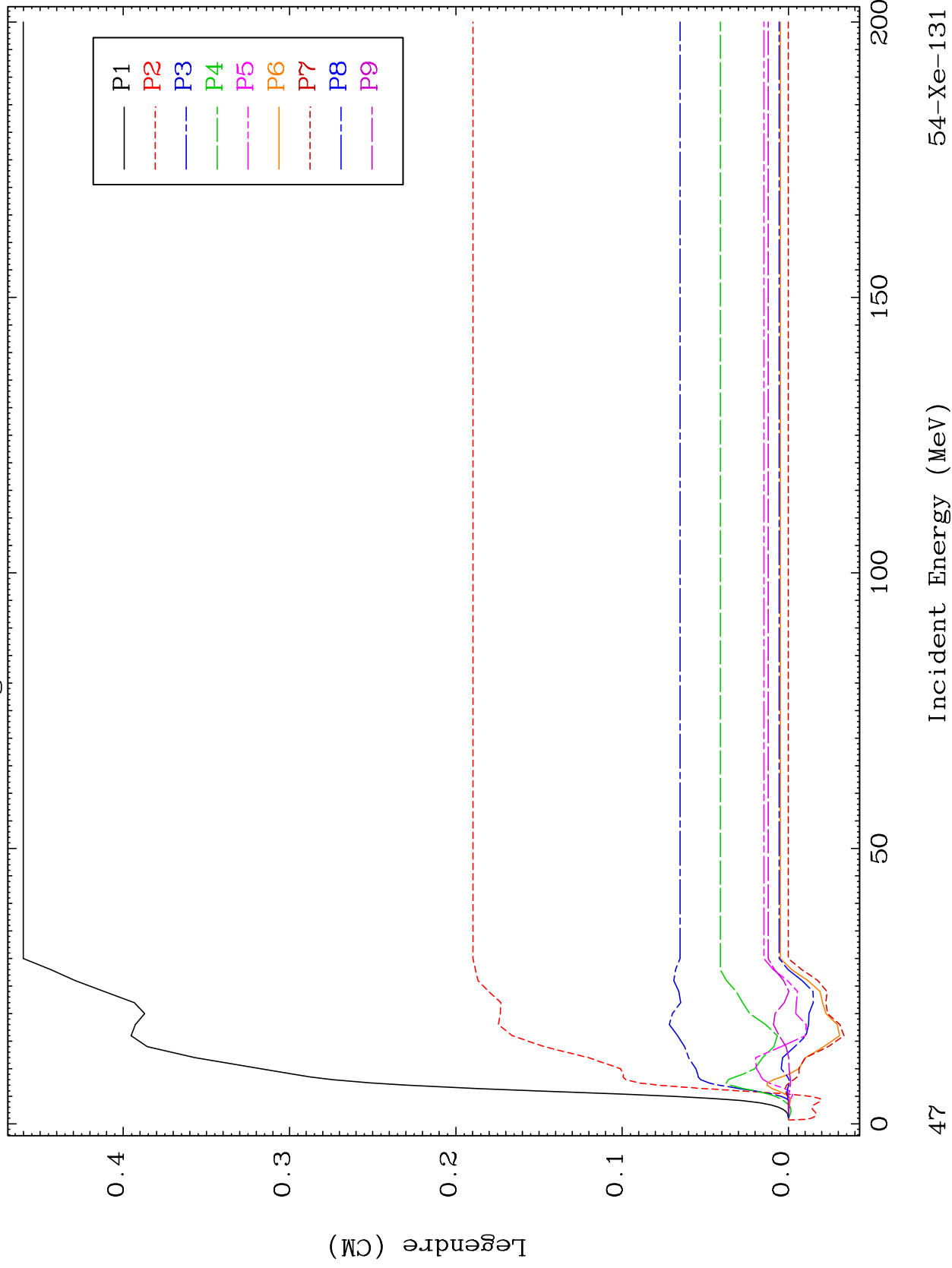
54-Xe-131



MAT 5446

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

54-Xe-131



54-Xe-131

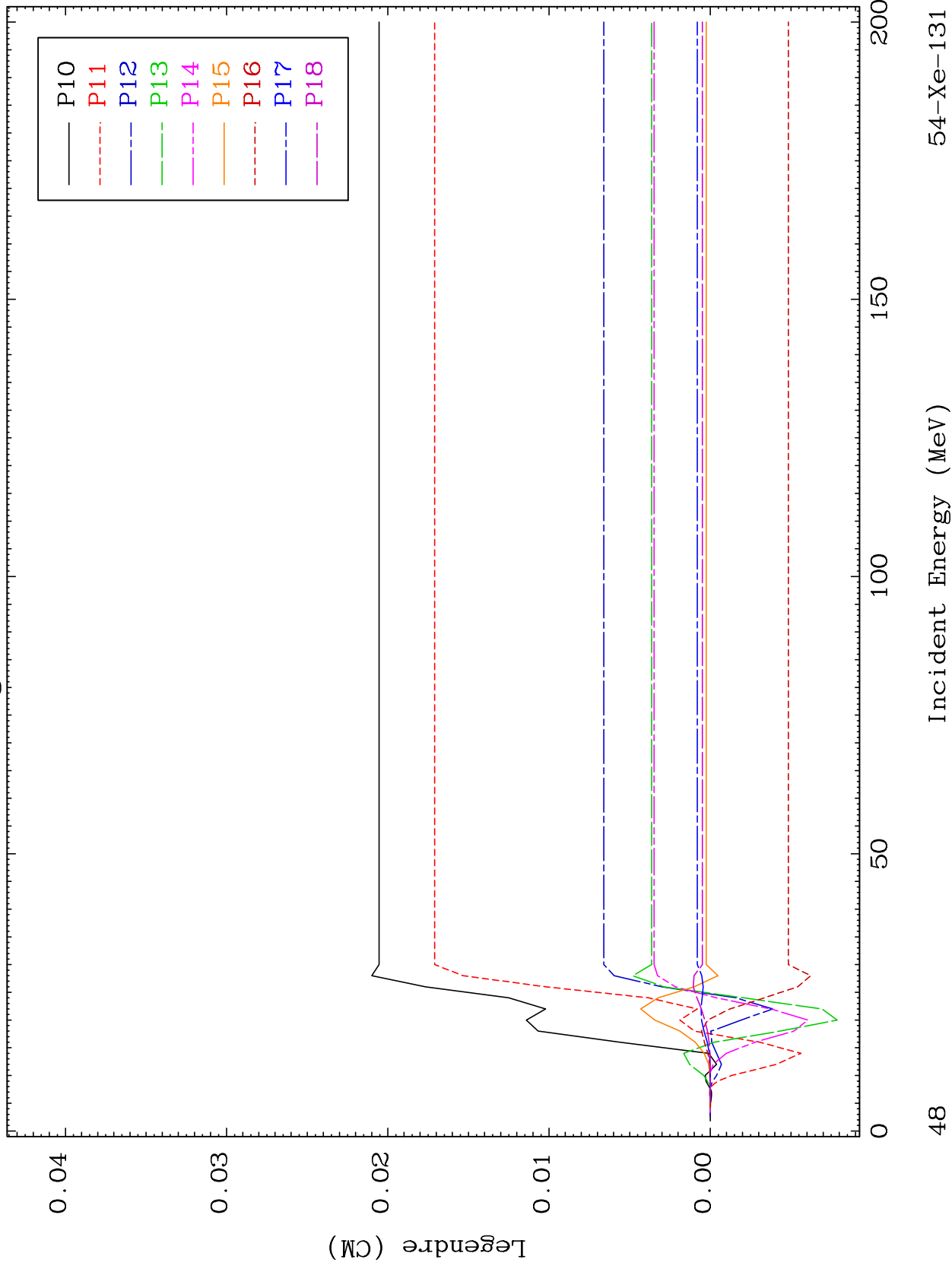
Incident Energy (MeV)

47

MAT 5446

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

54-Xe-131



54-Xe-131

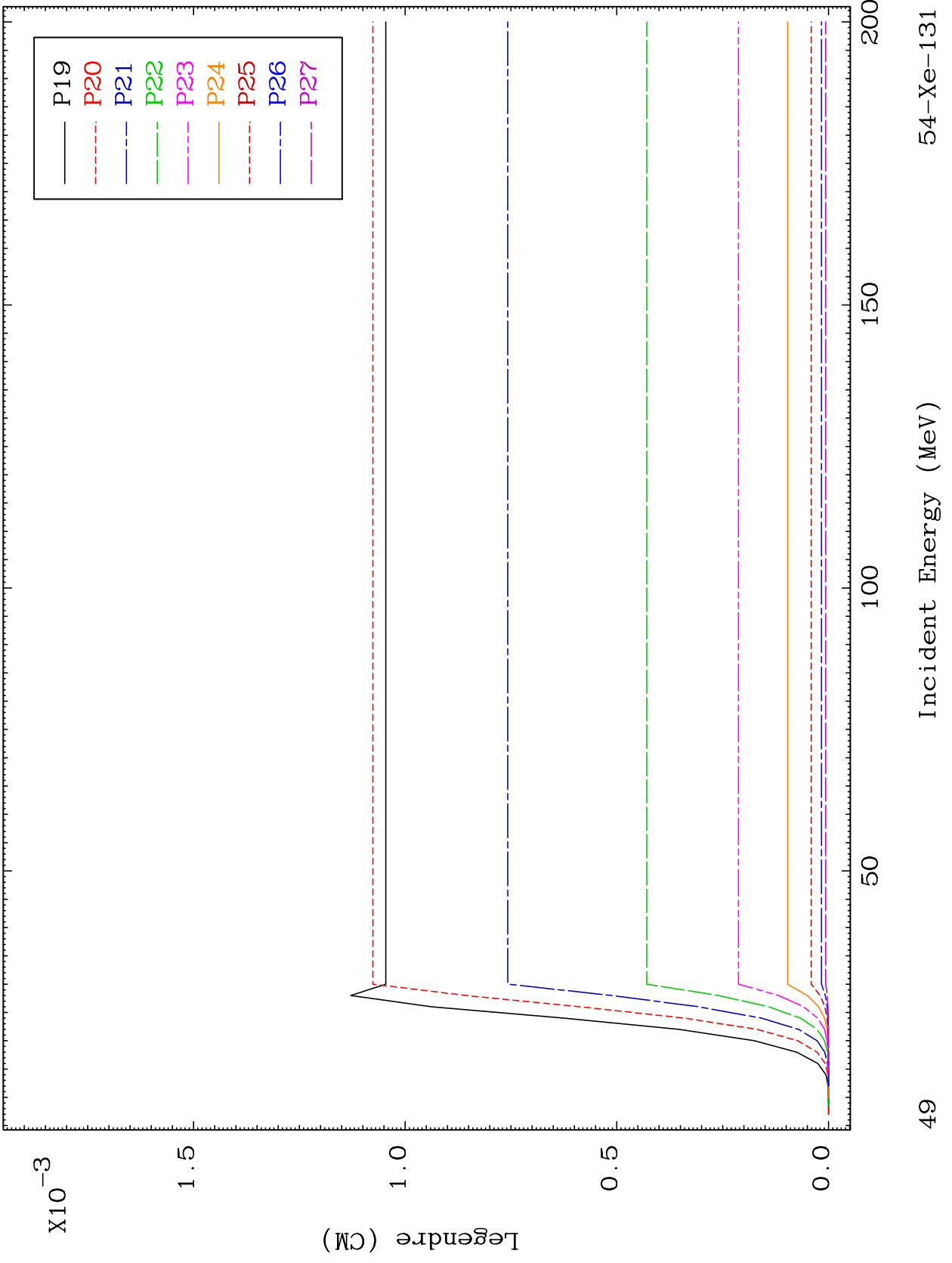
Incident Energy (MeV)

48

MAT 5446

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

54-Xe-131

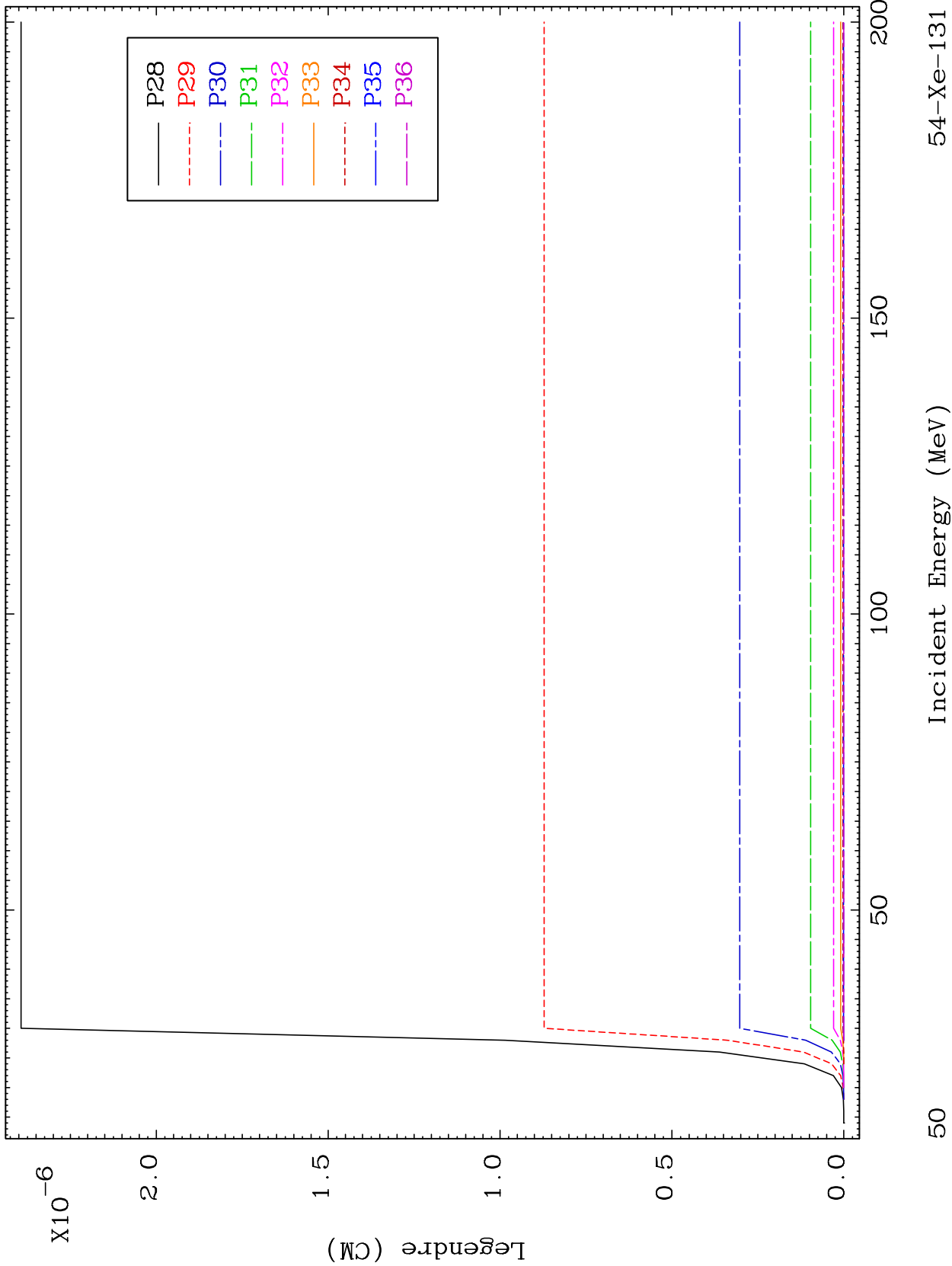


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MAT 5446

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

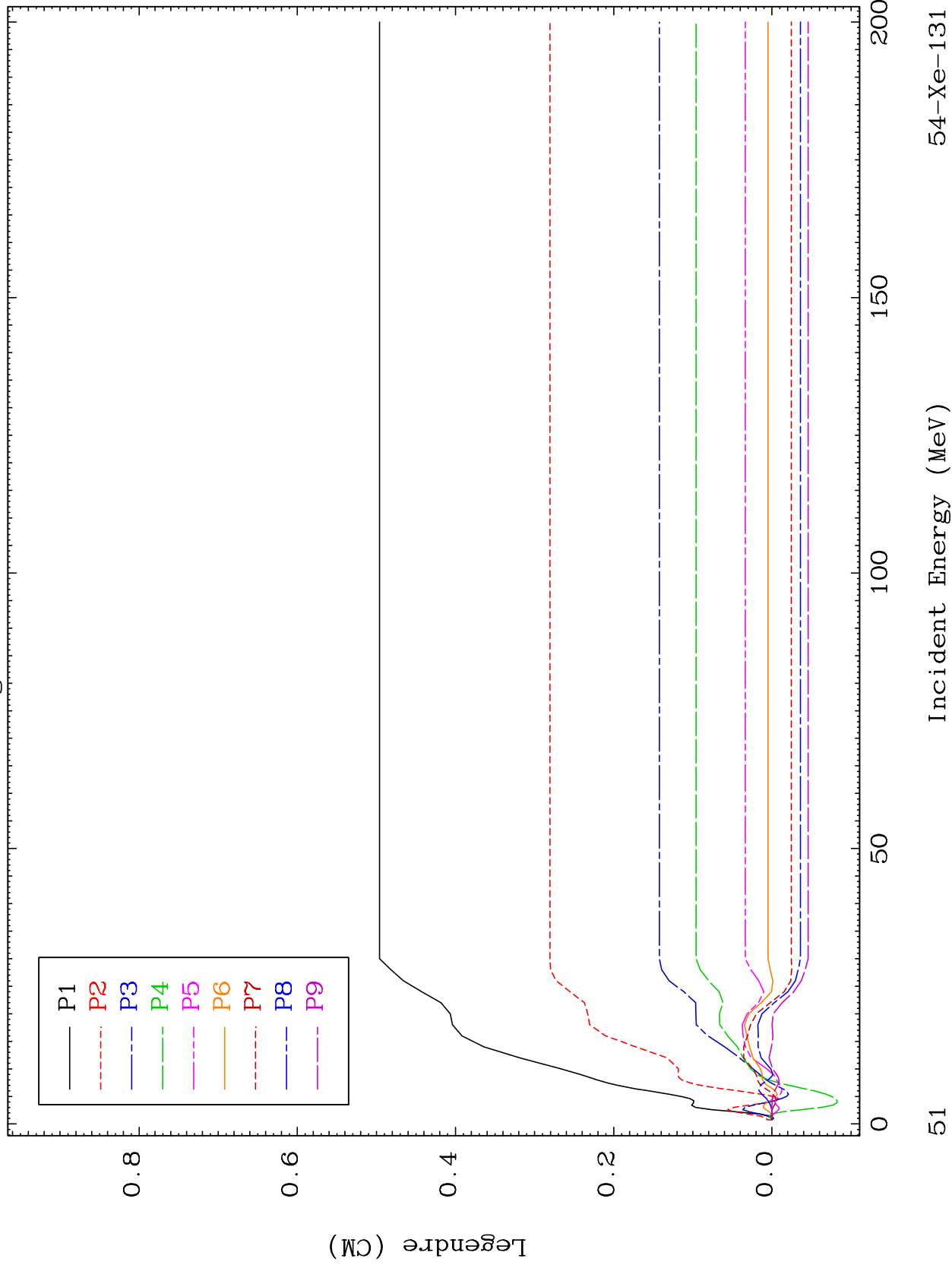
54-Xe-131



MAT 5446

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

54-Xe-131



51

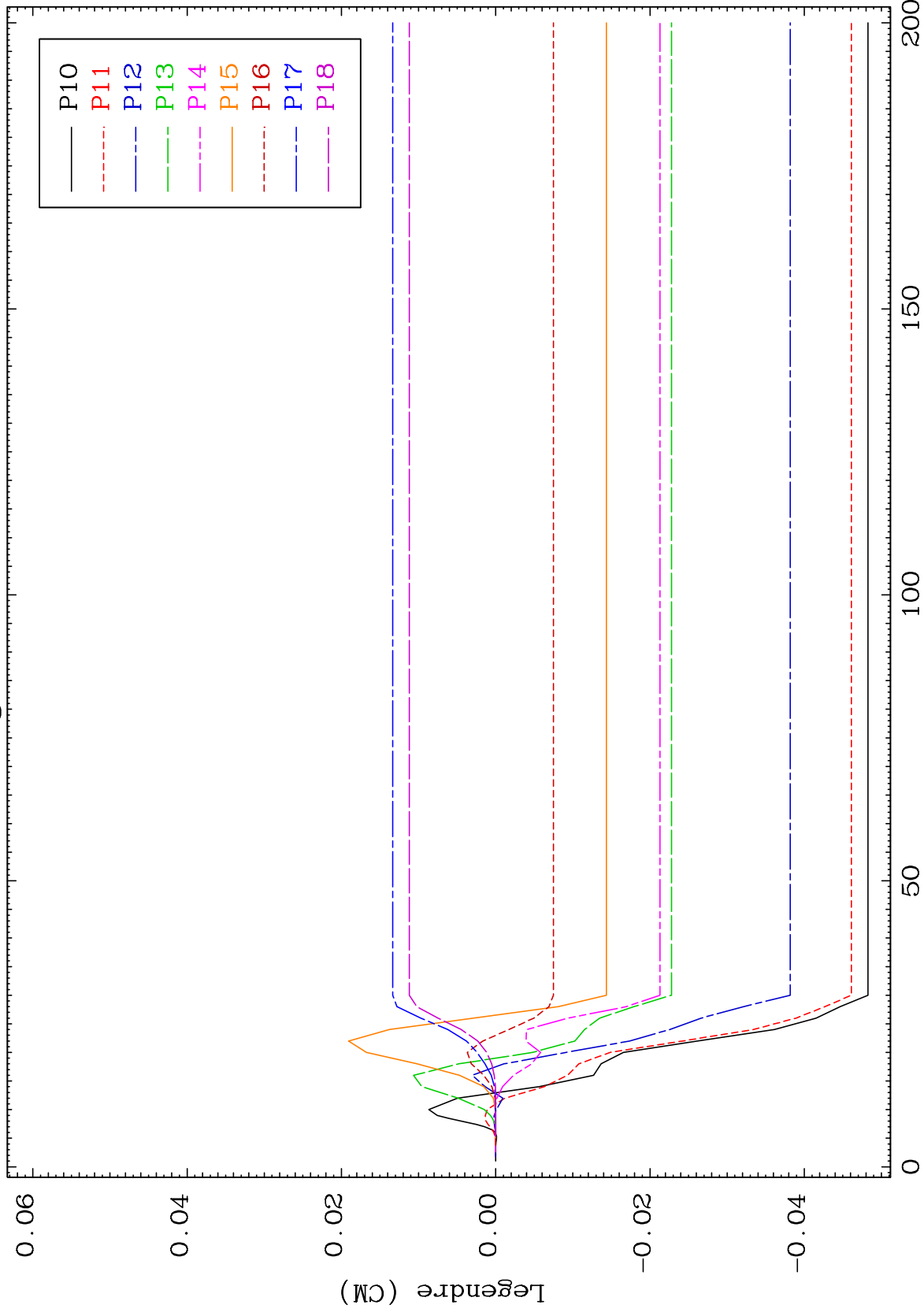
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



52

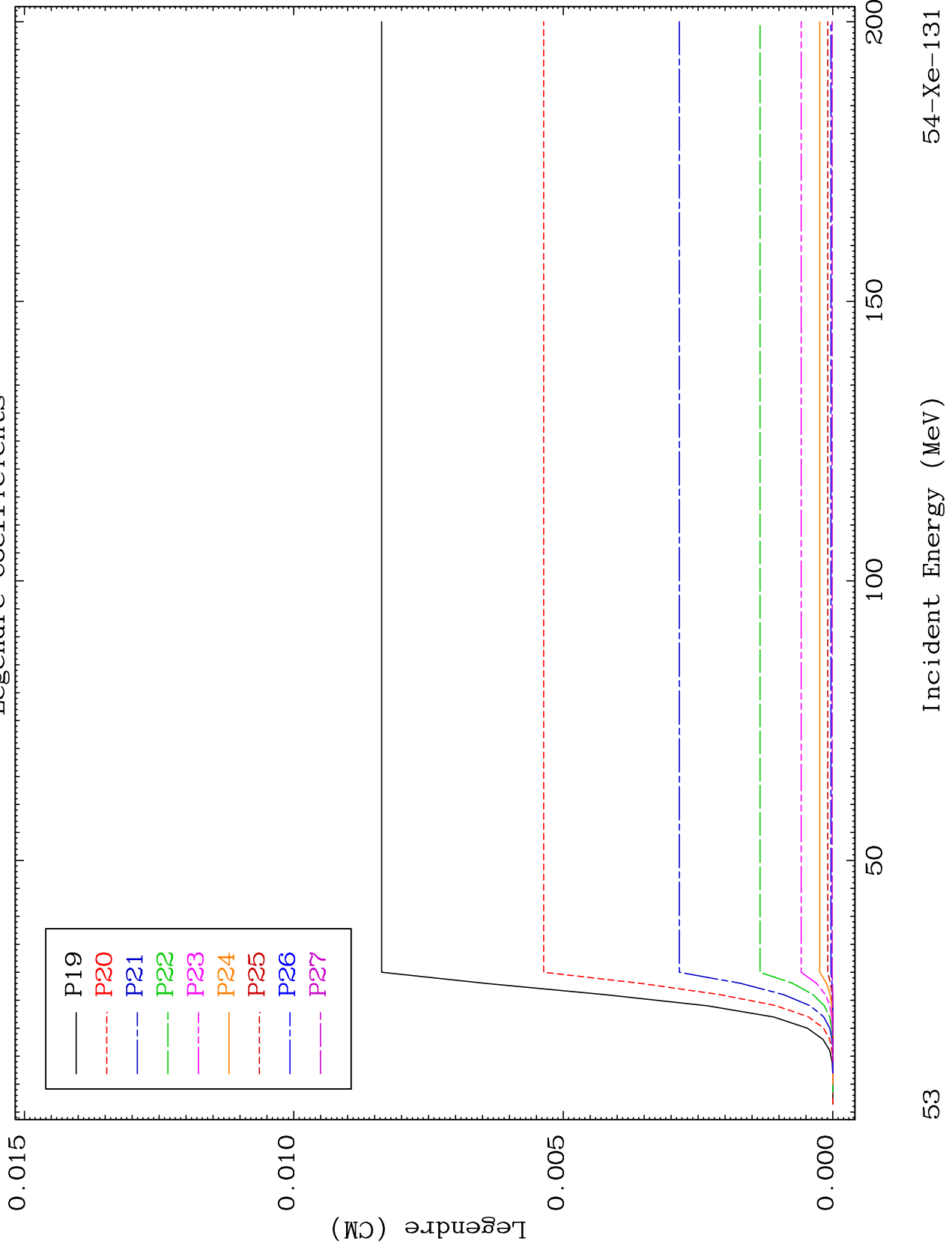
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



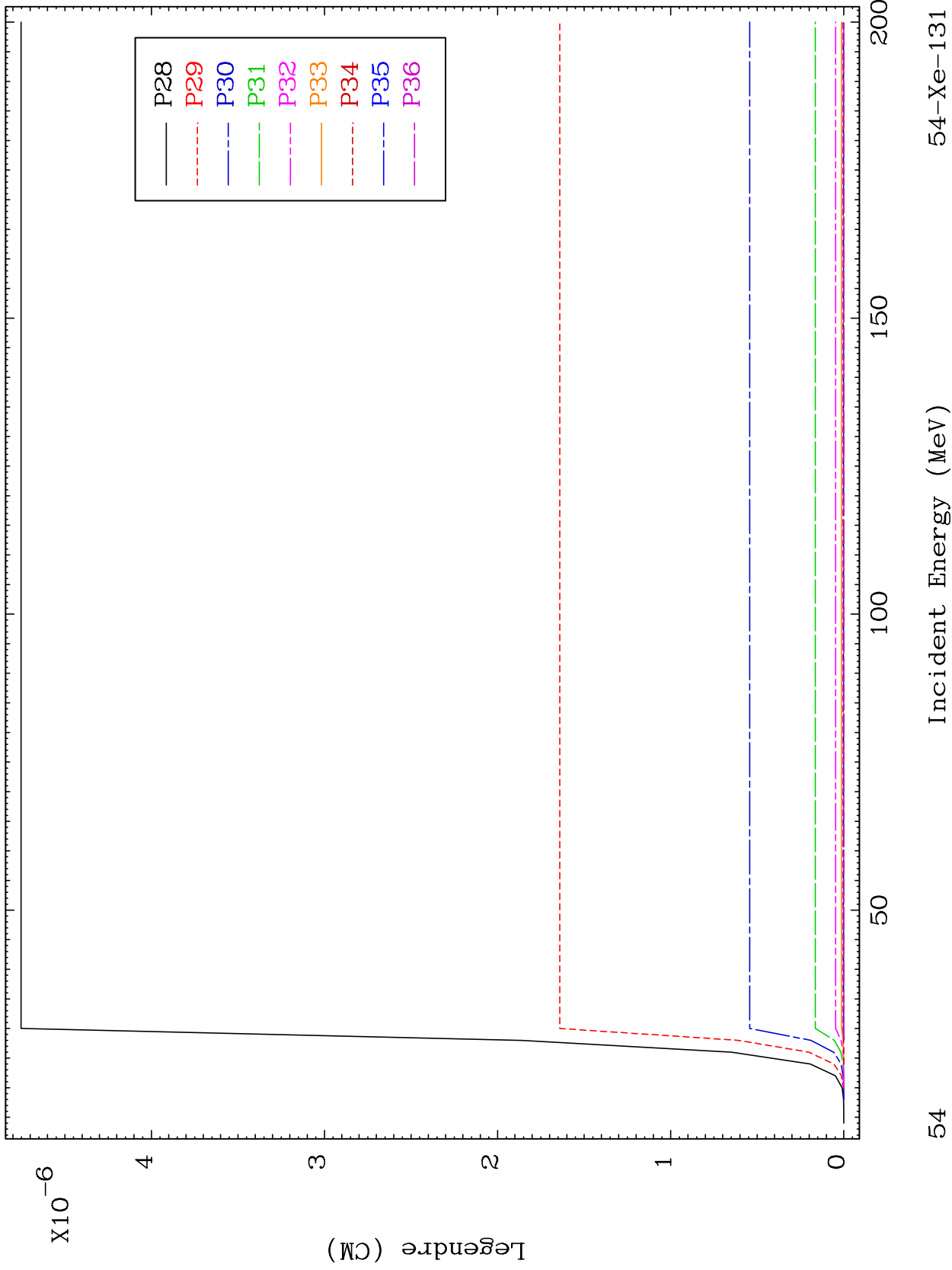
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54-Xe-131

MAT 5446

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

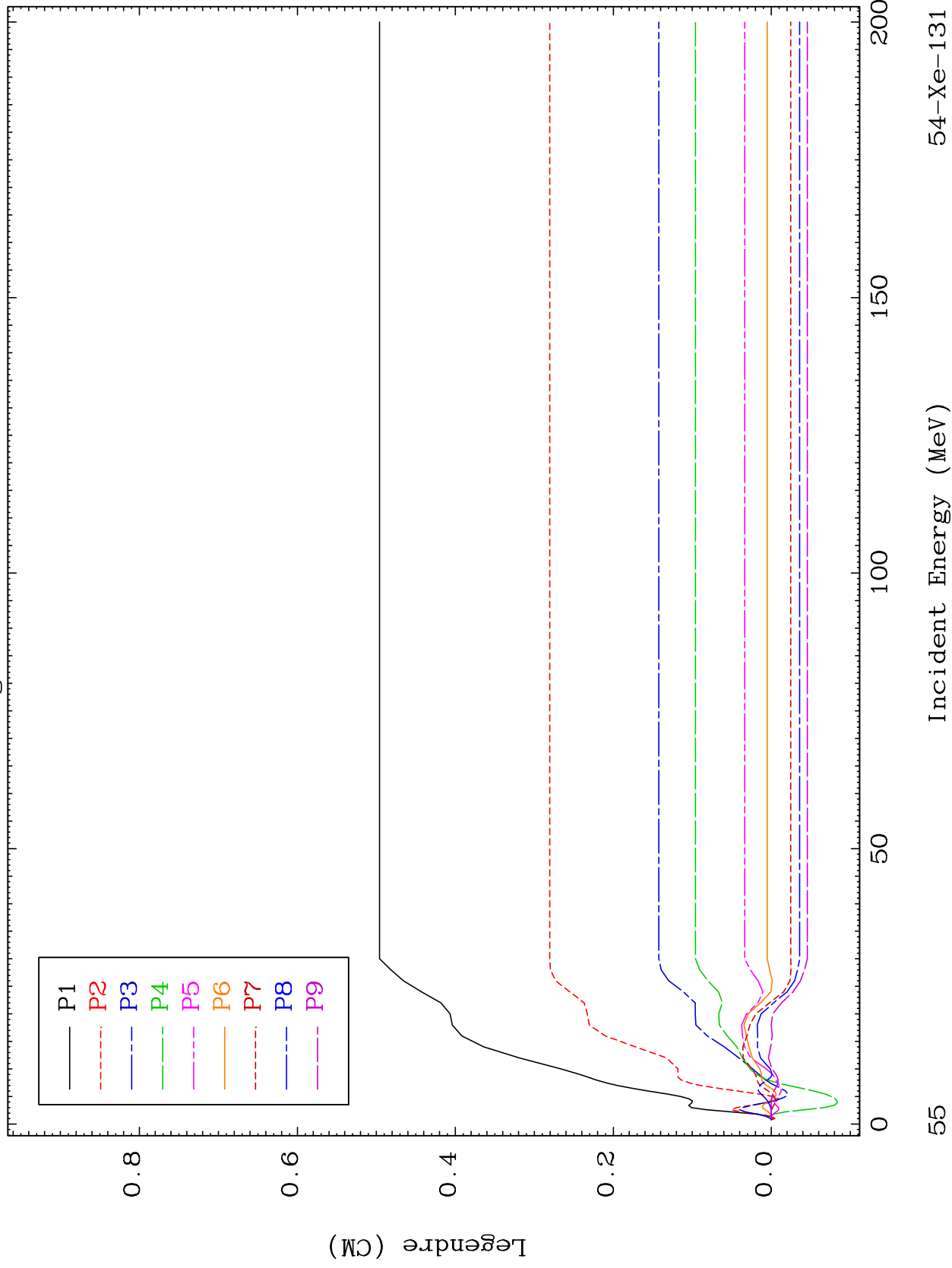
54-Xe-131



MAT 5446

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

54-Xe-131

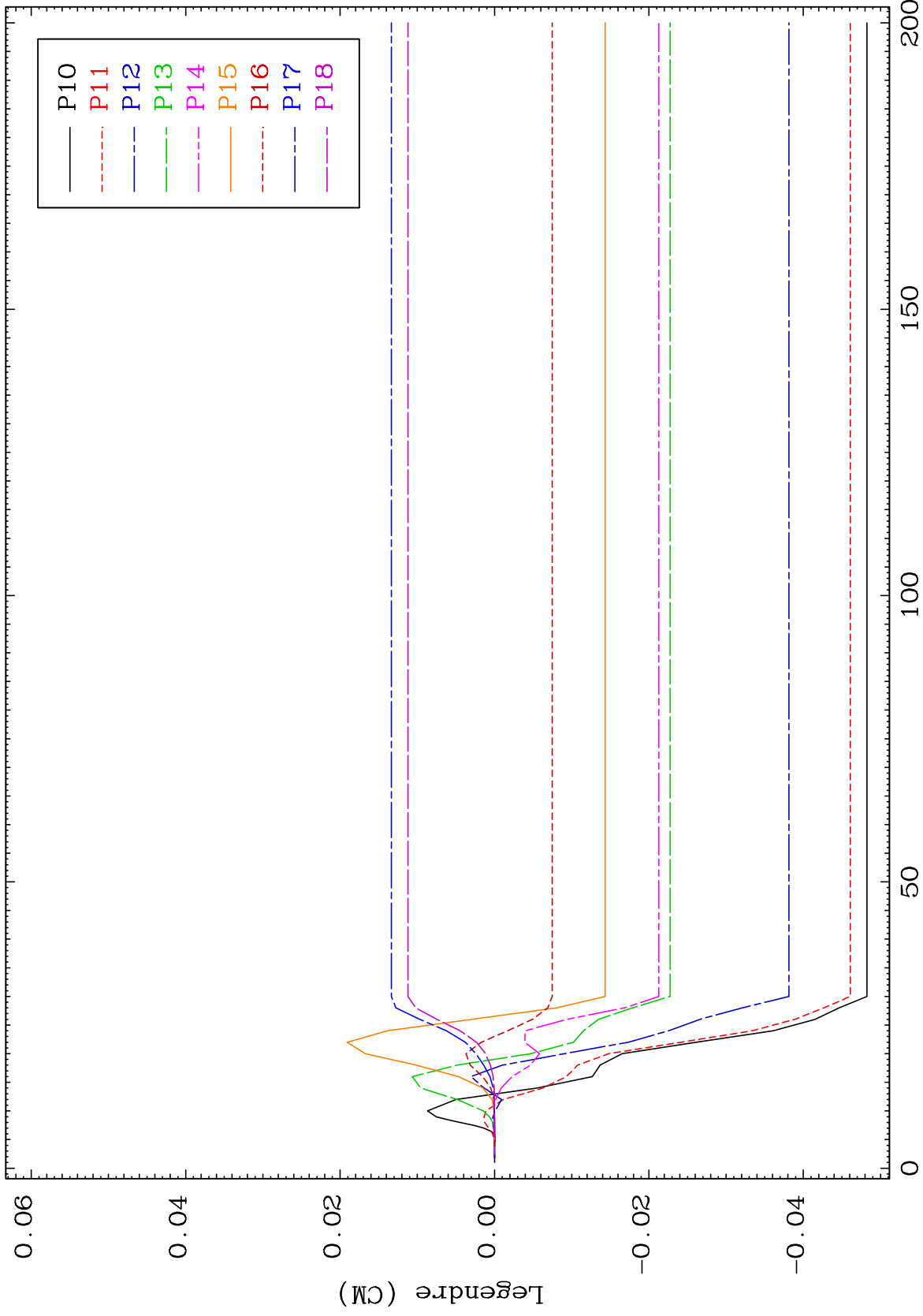


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MAT 5446

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

54-Xe-131



56

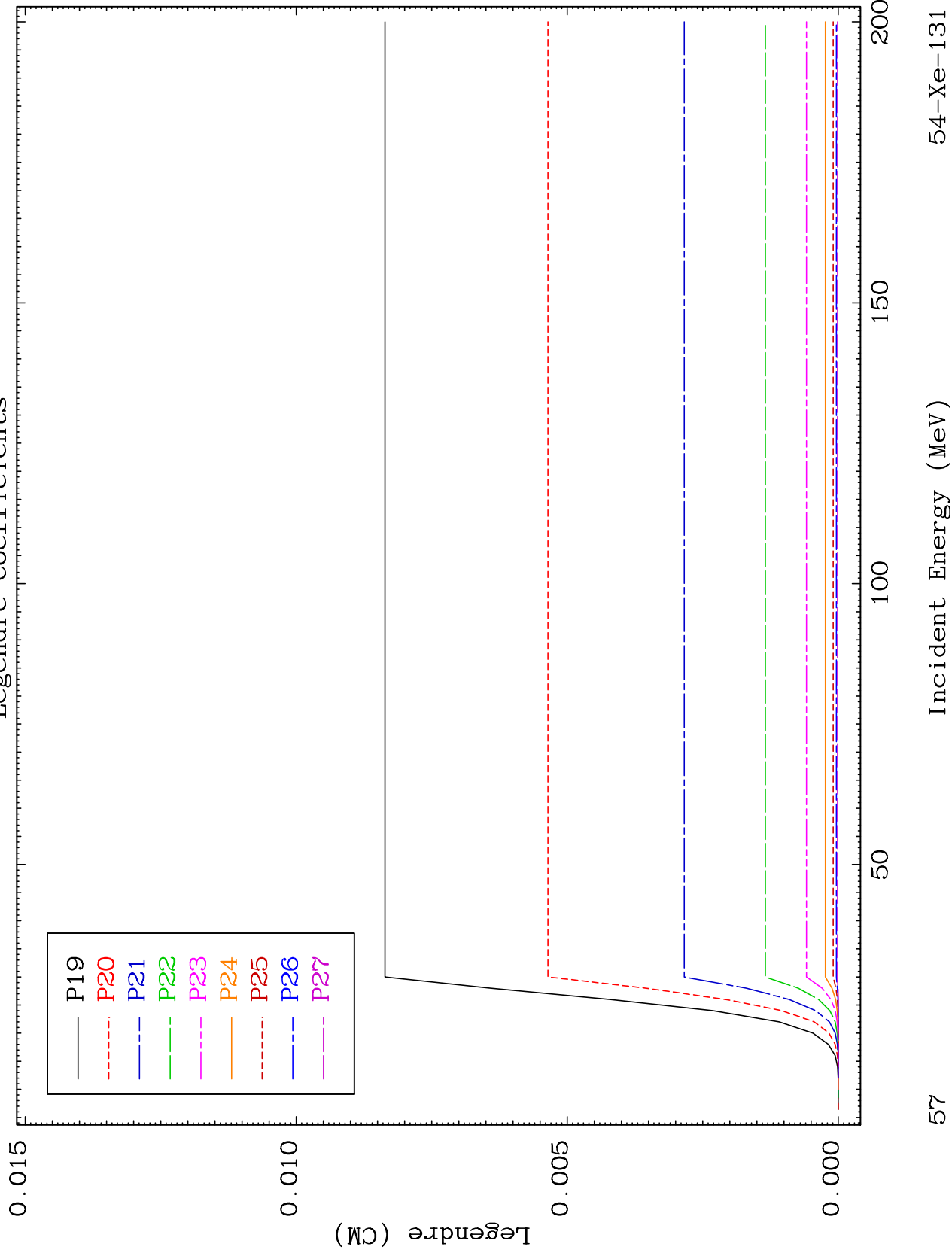
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



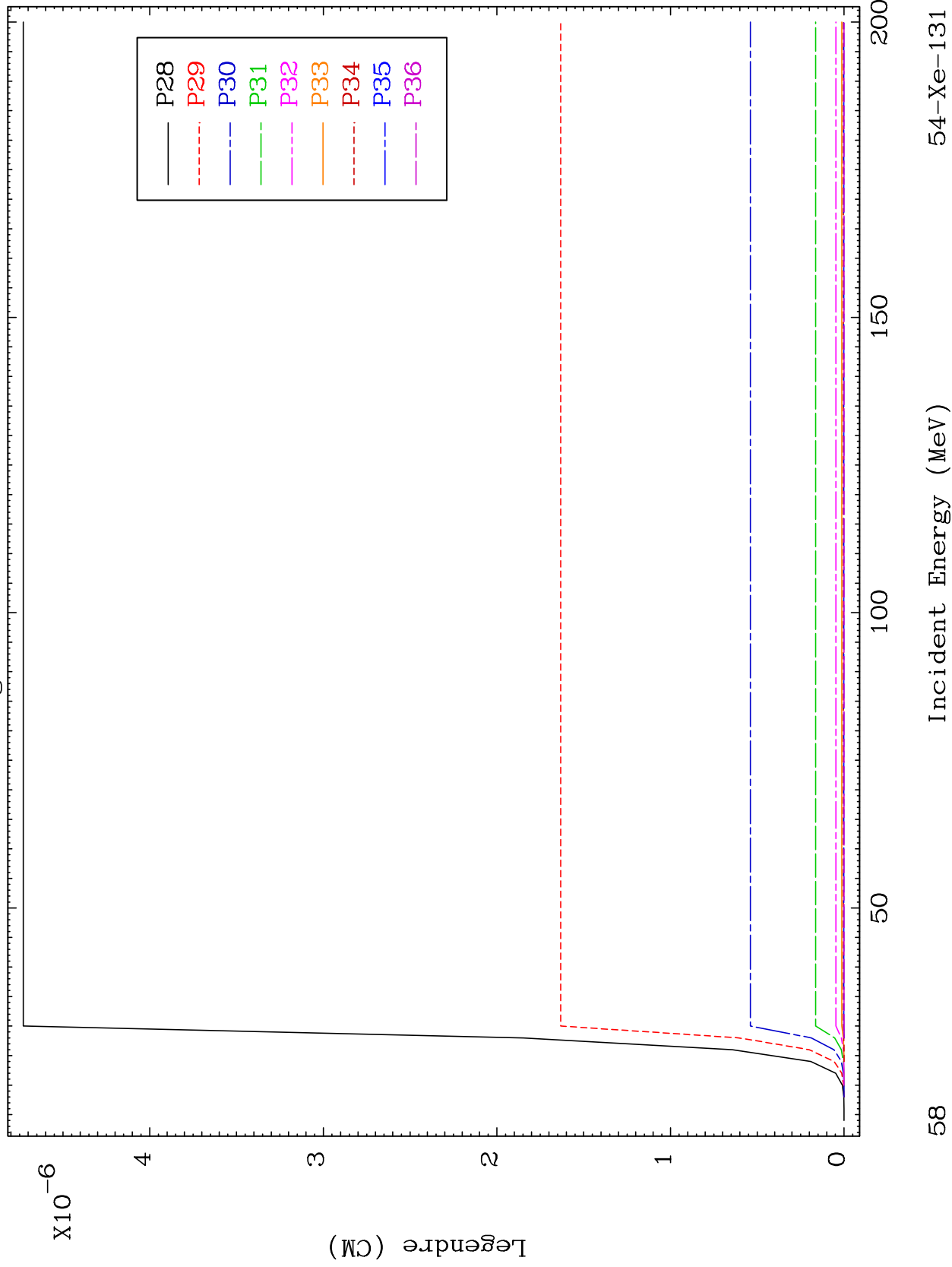
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54-Xe-131

MAT 5446

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

54-Xe-131



58

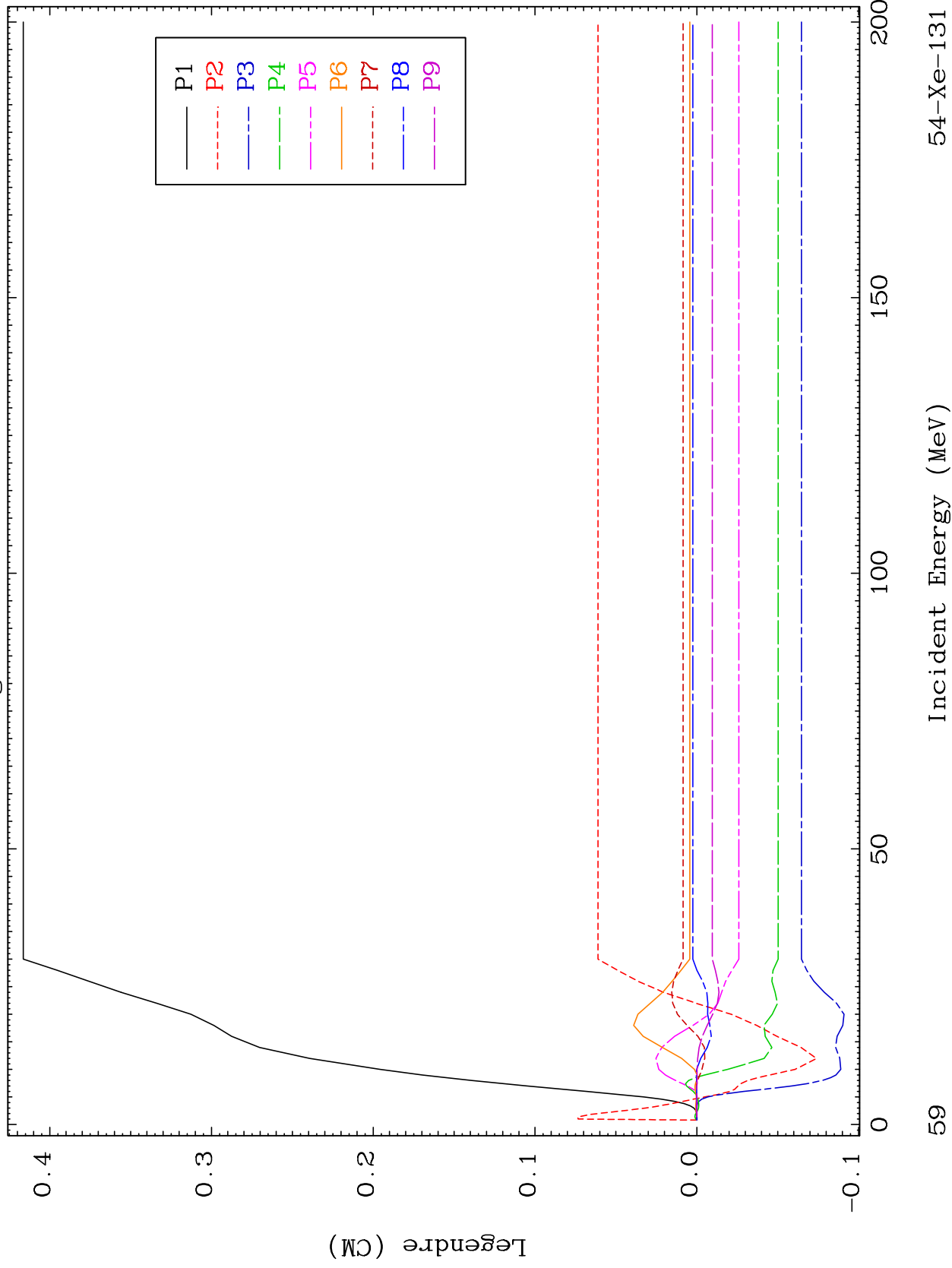
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



54-Xe-131

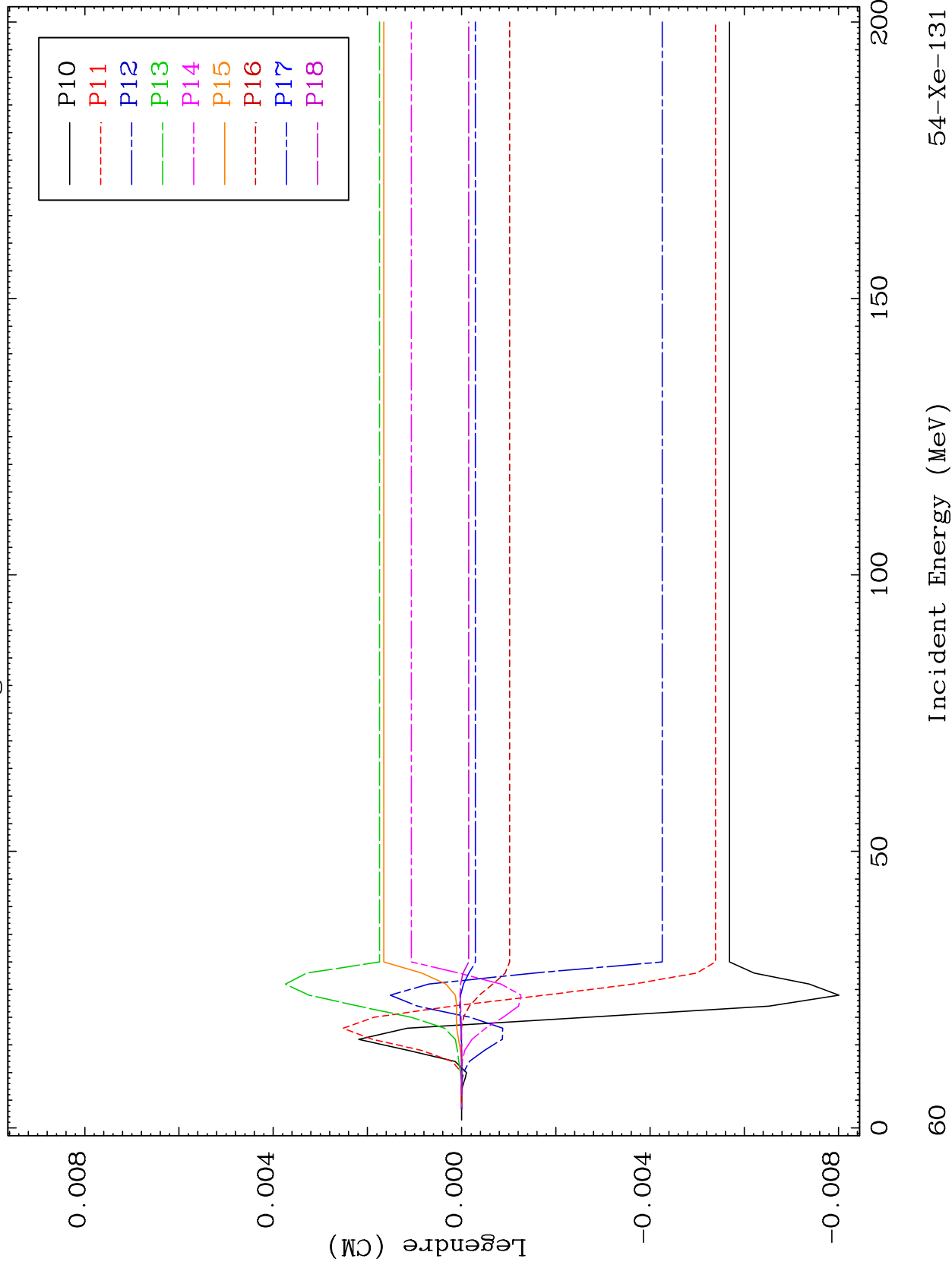
Incident Energy (MeV)

59

MAT 5446

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

54-Xe-131



54-Xe-131

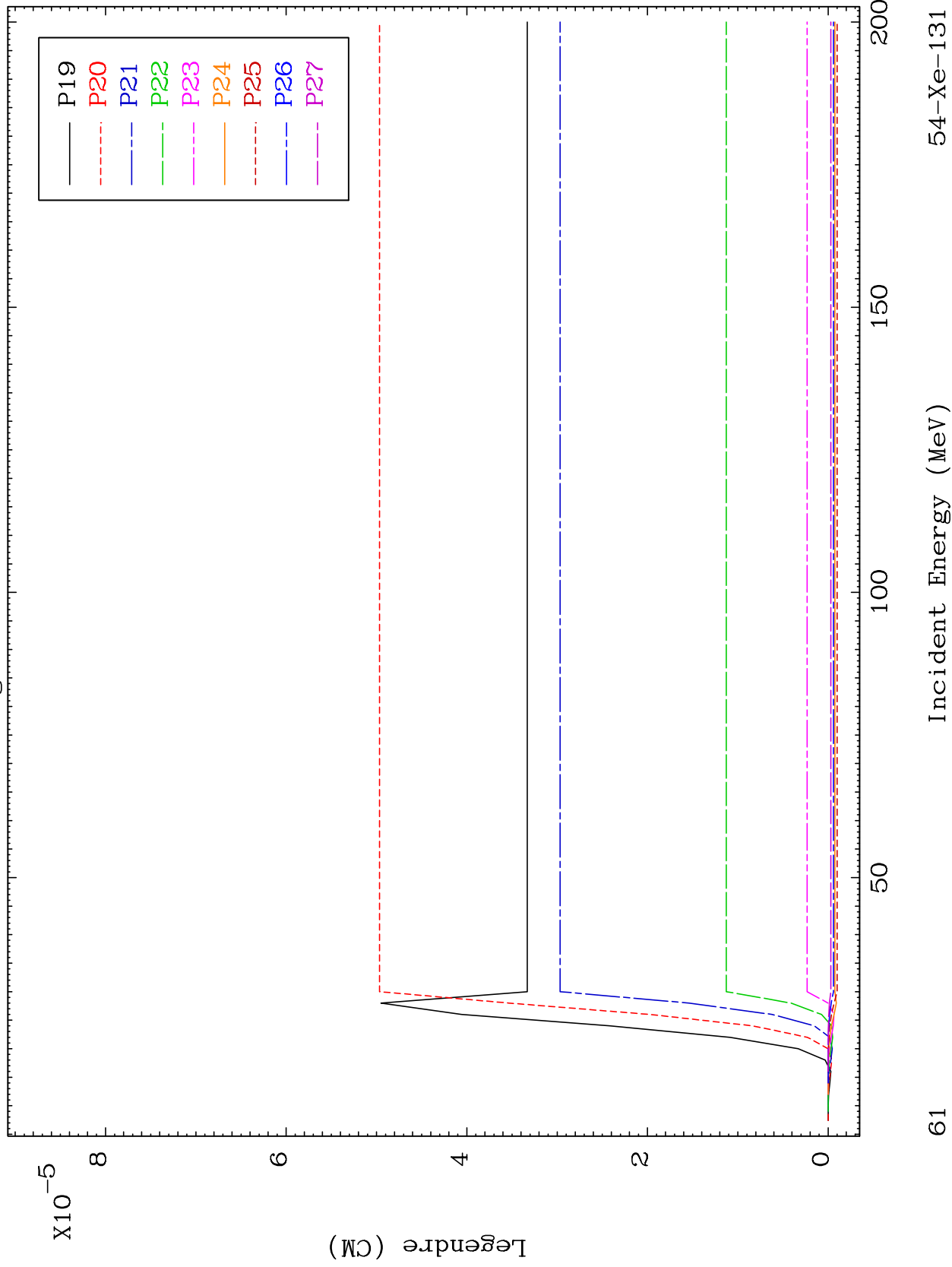
Incident Energy (MeV)

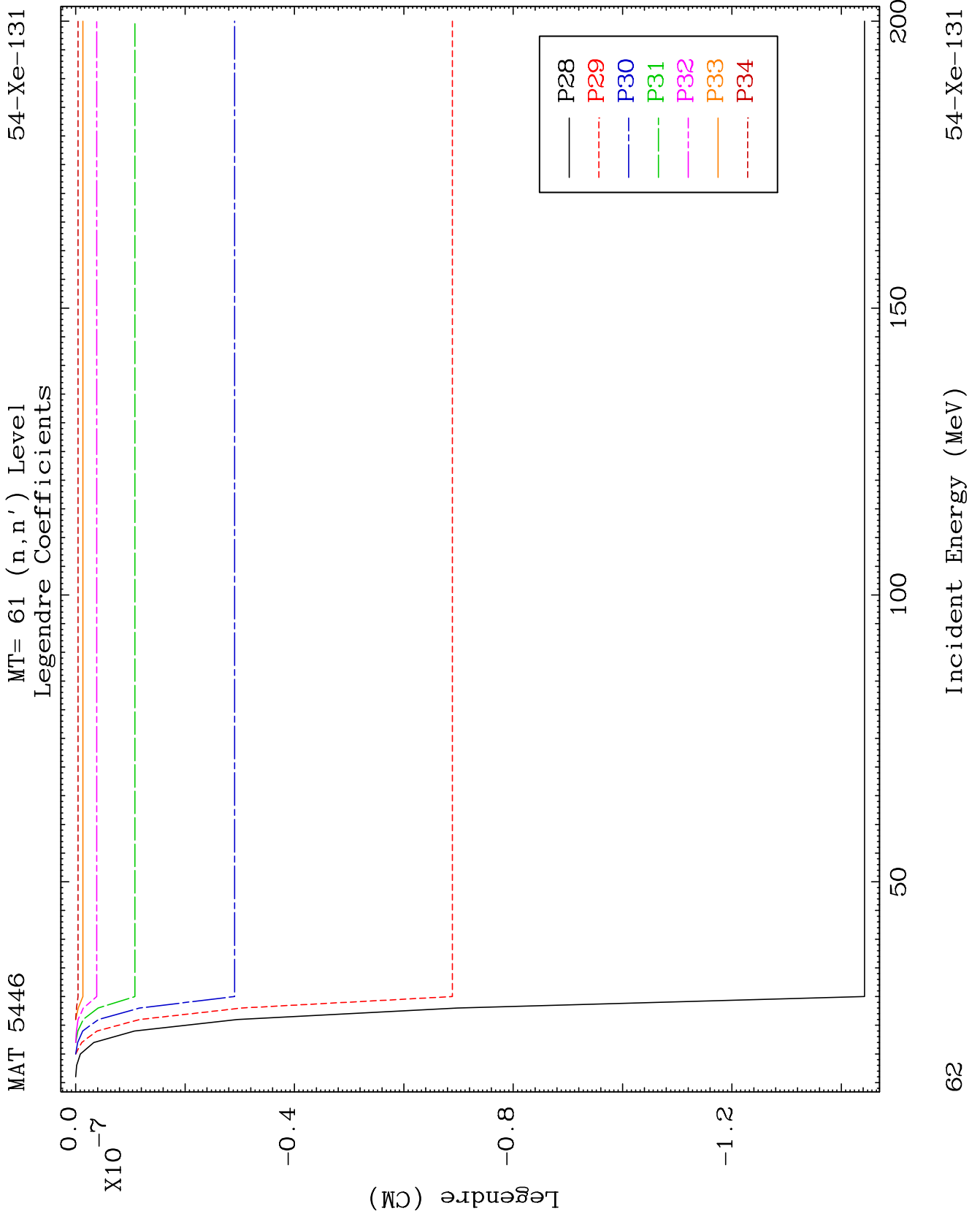
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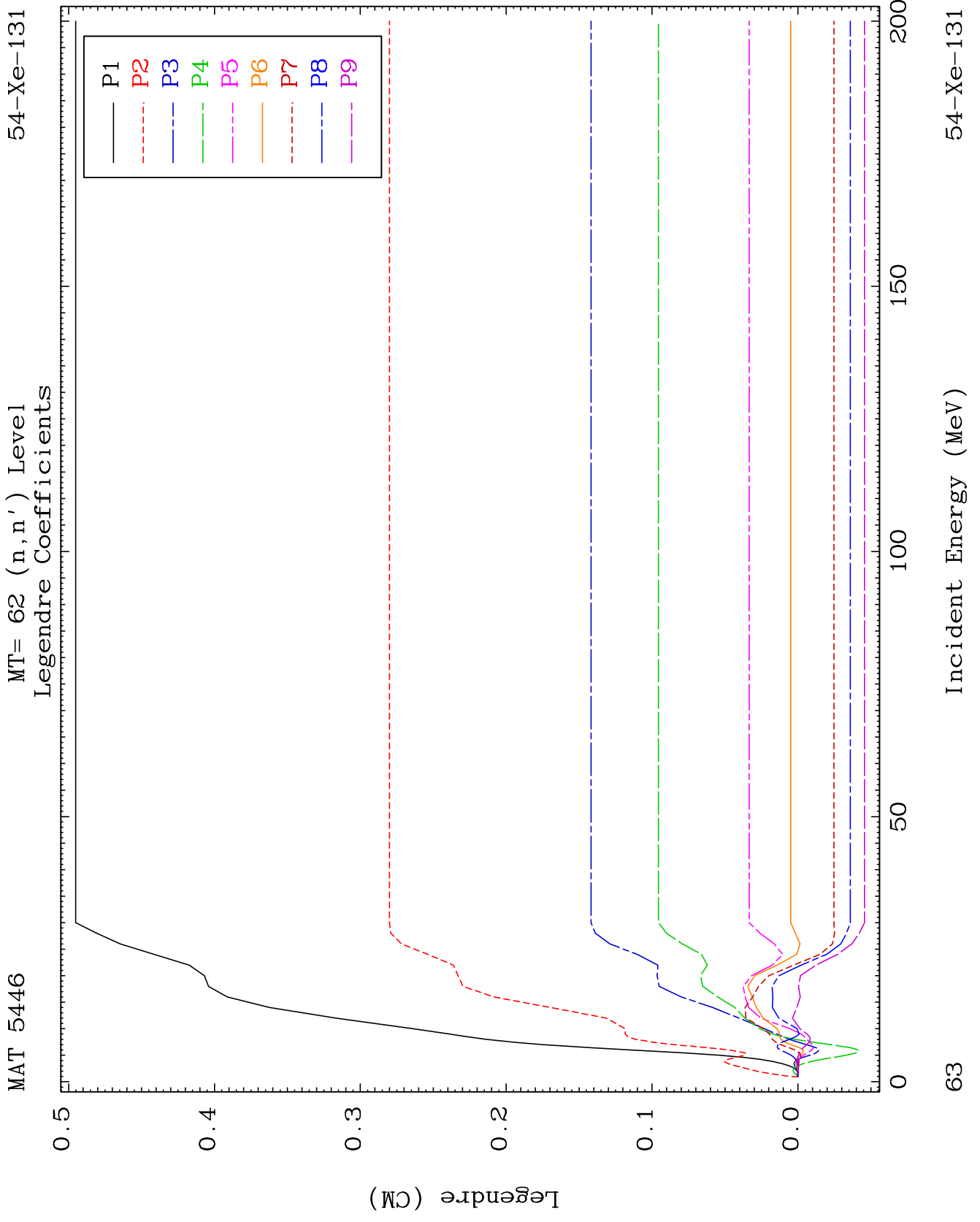
MAT 5446

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

54-Xe-131



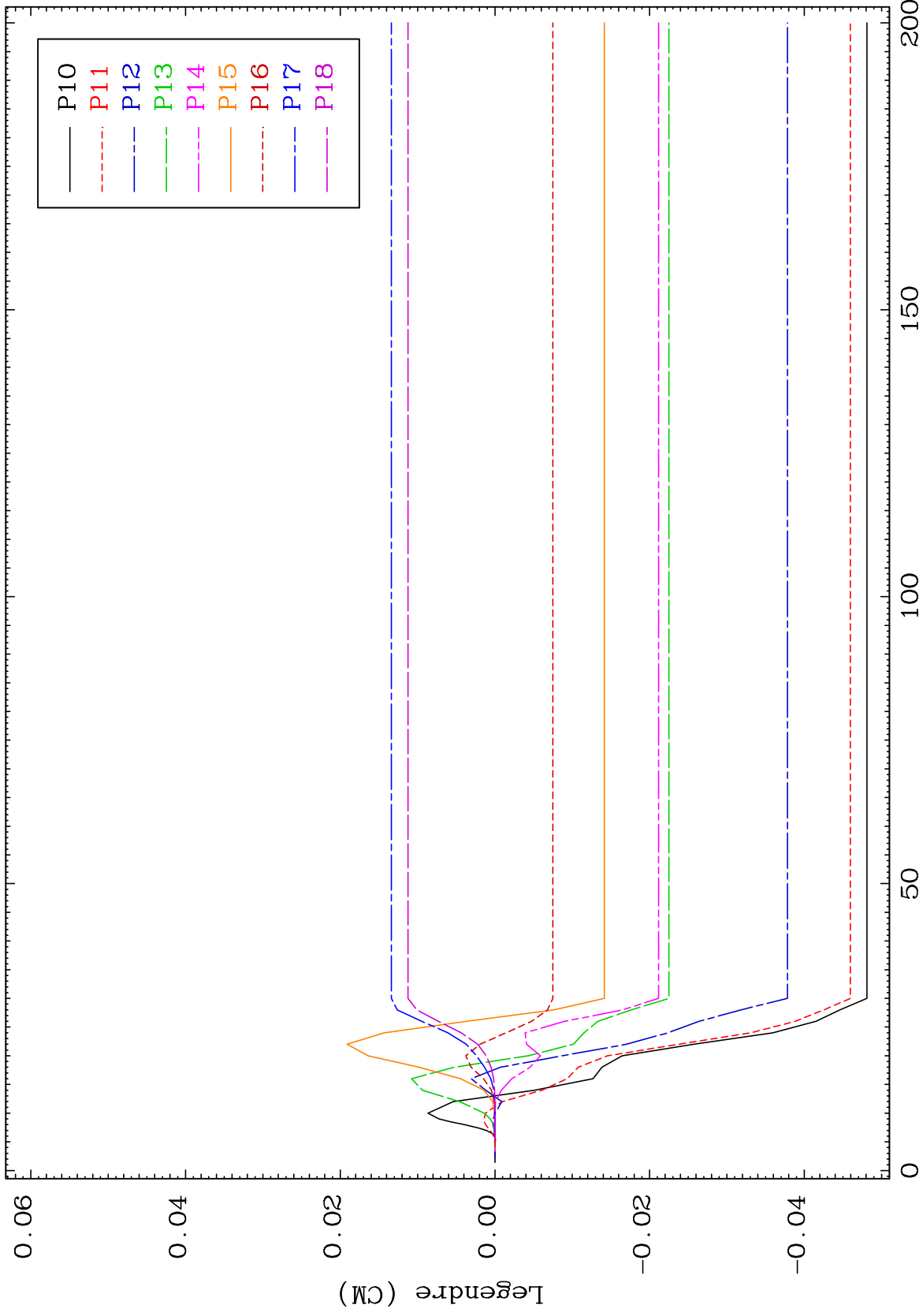




MAT 5446

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

54-Xe-131



64

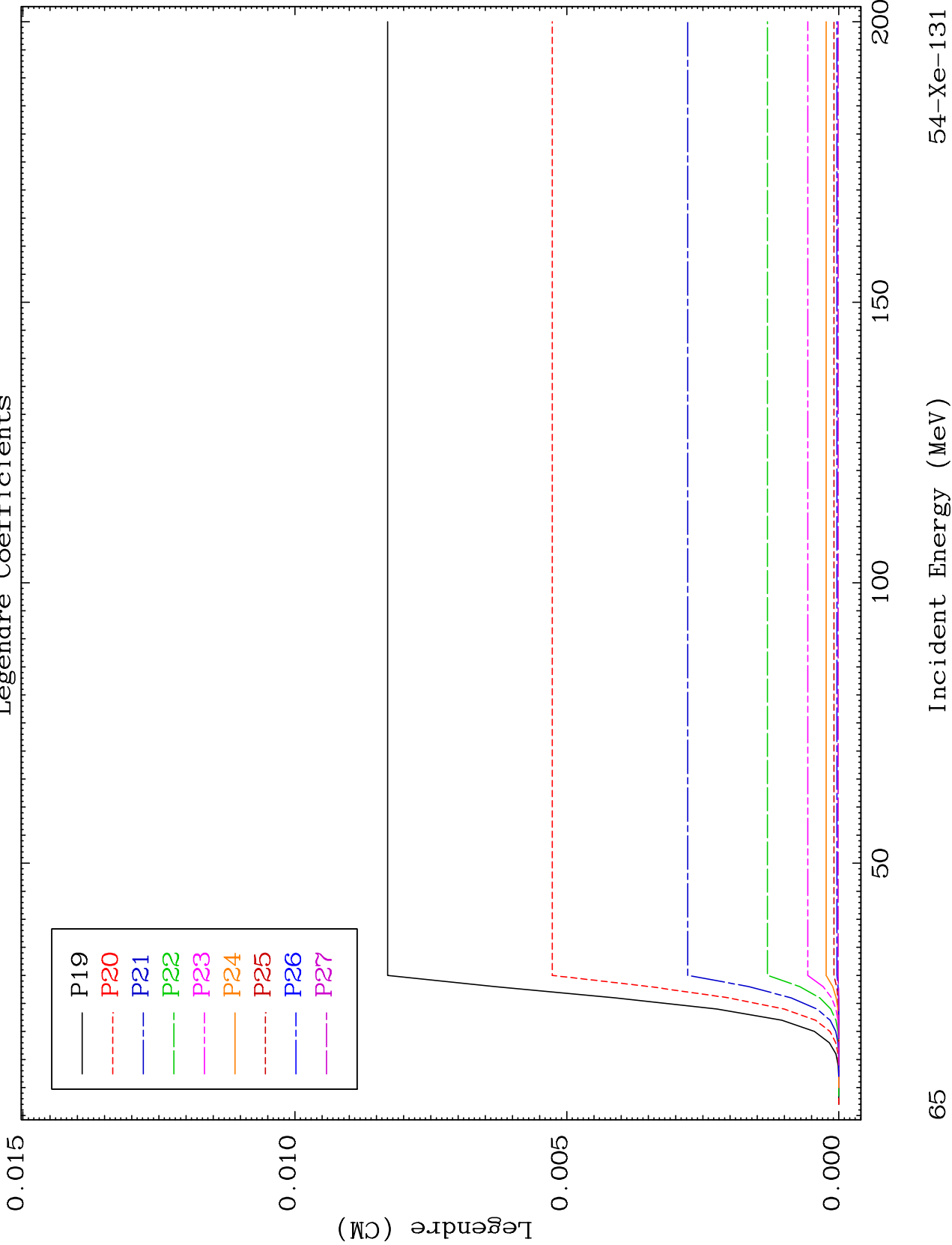
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



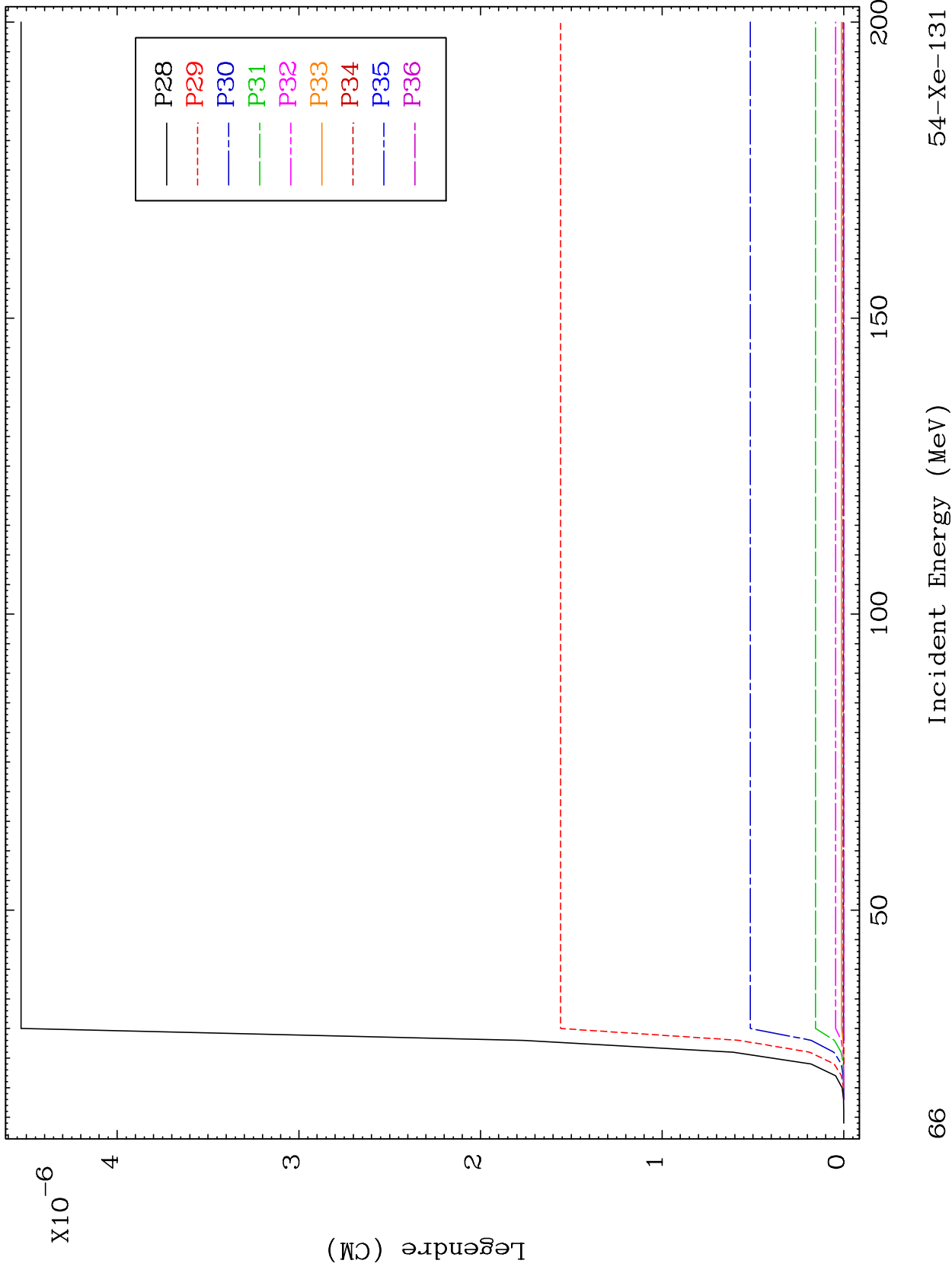
65

54-Xe-131

MAT 5446

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

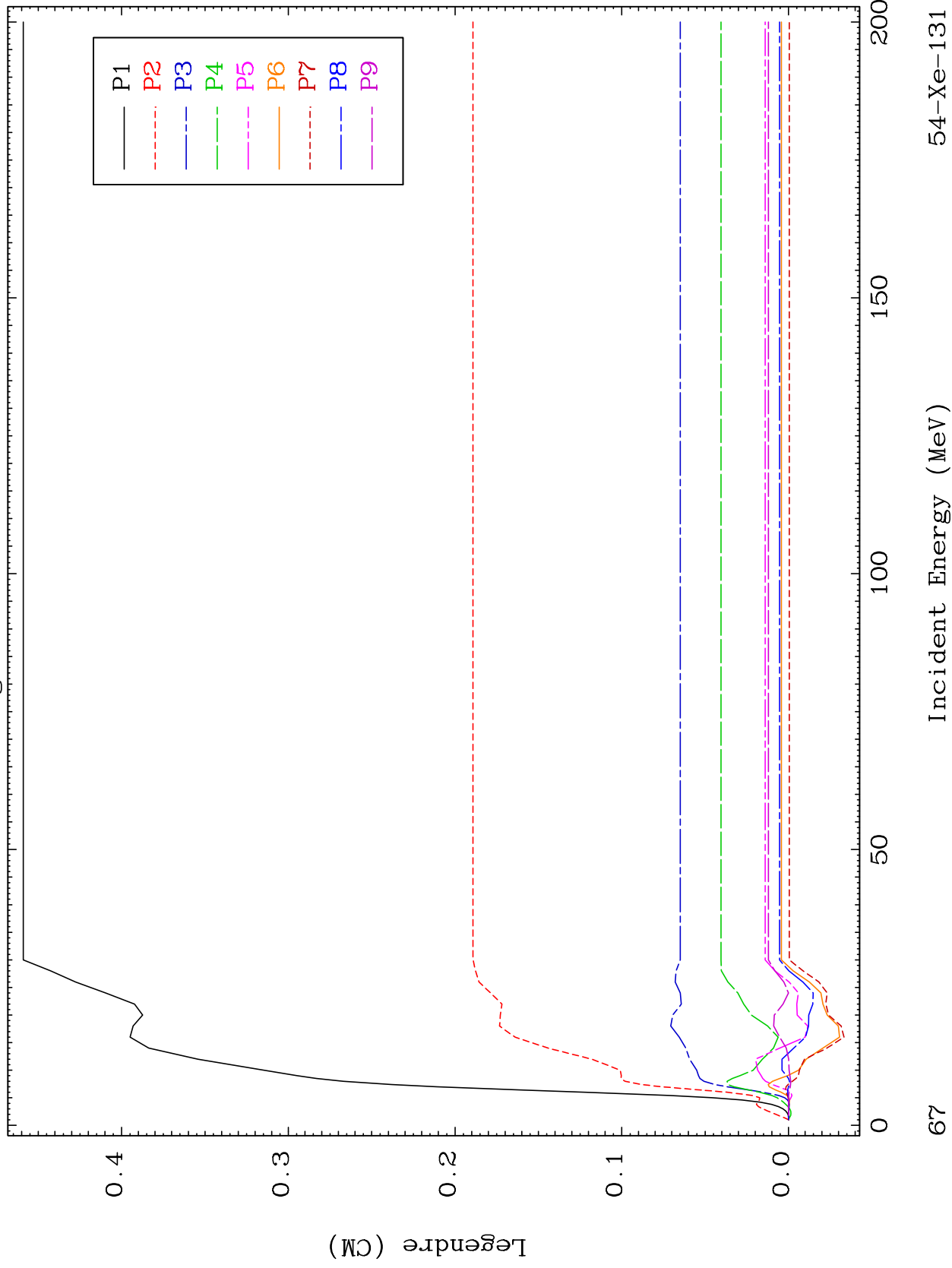
54-Xe-131



MAT 5446

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

54-Xe-131



54-Xe-131

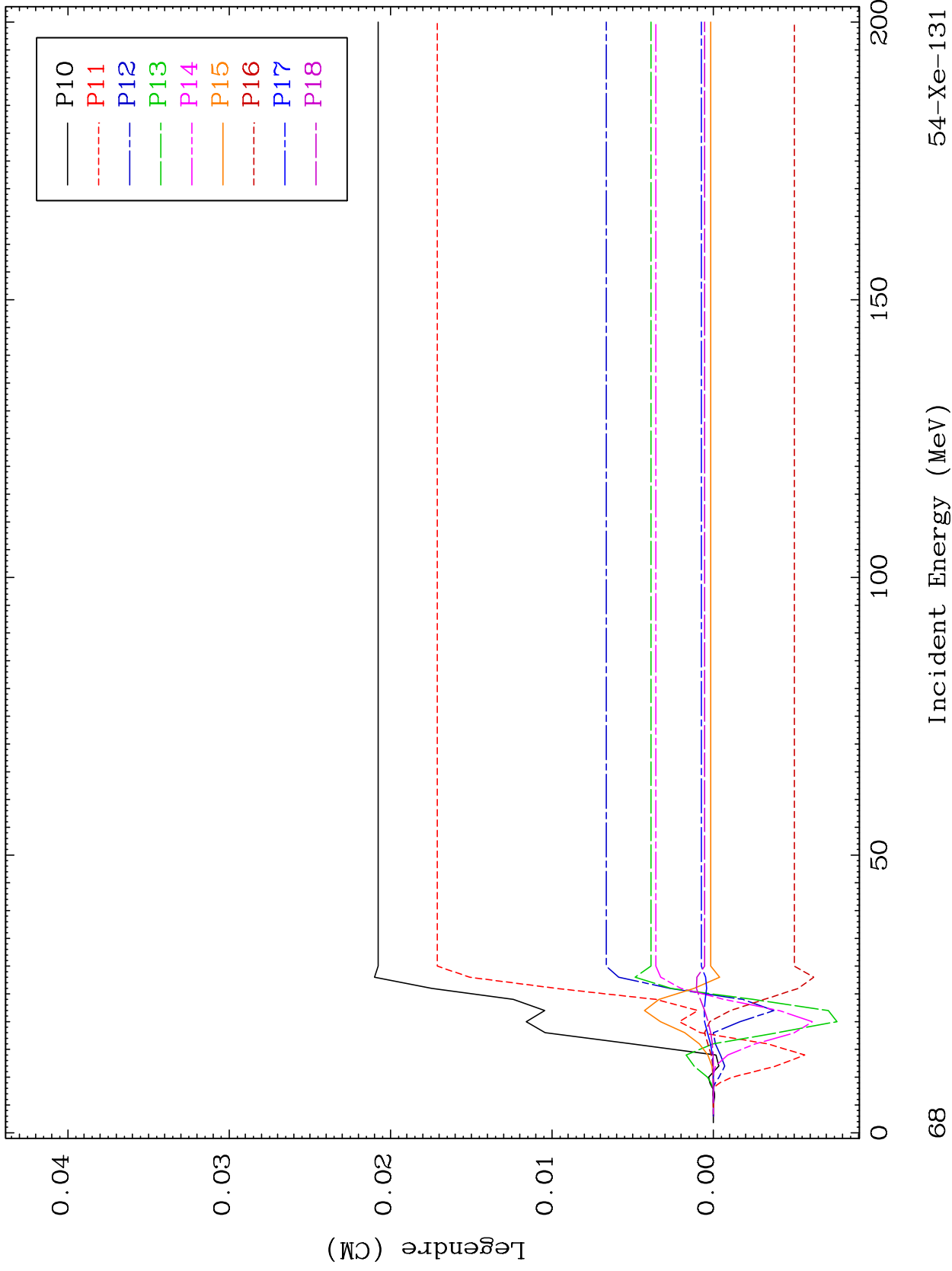
Incident Energy (MeV)

67

MAT 5446

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

54-Xe-131



54-Xe-131

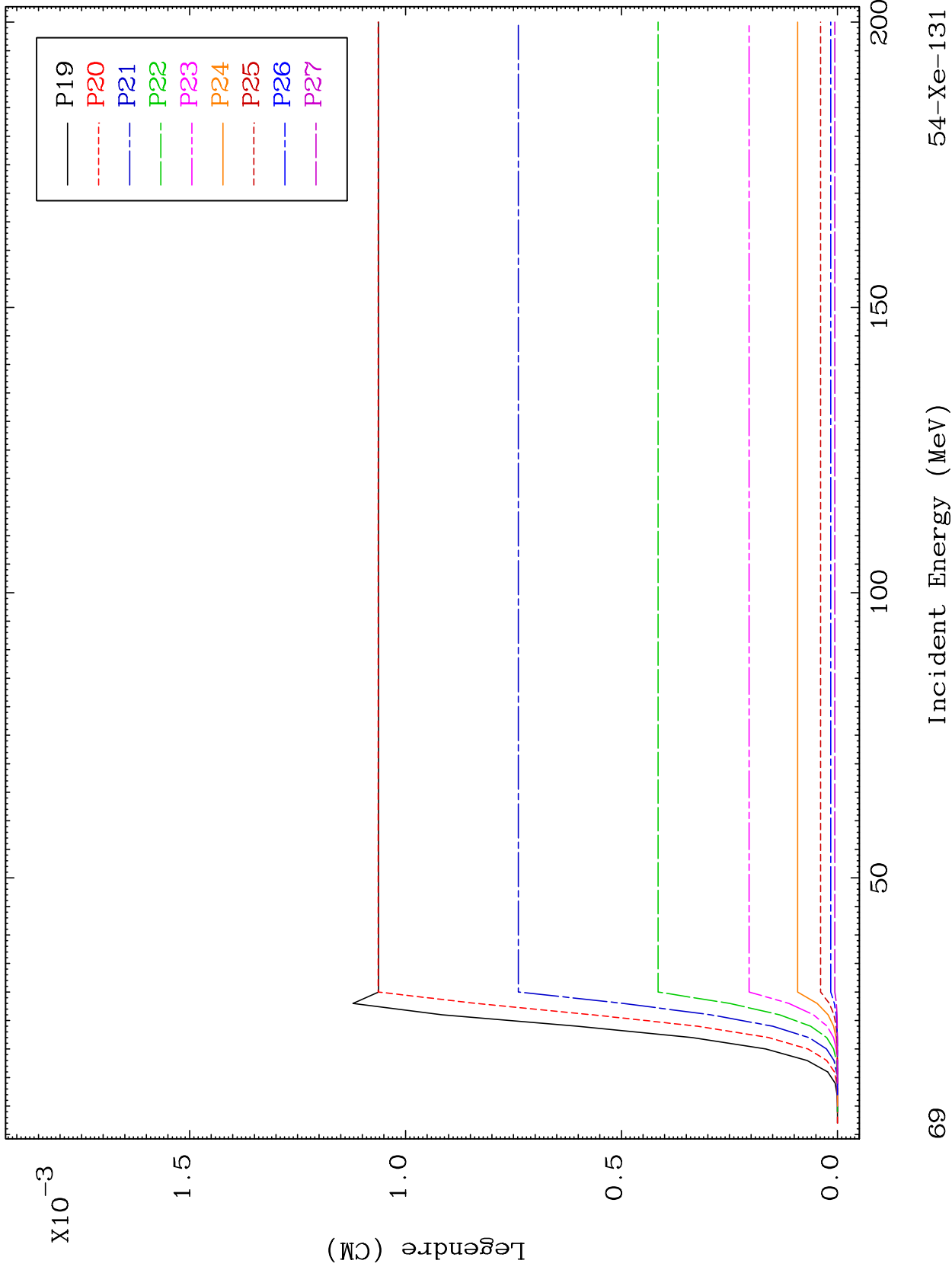
Incident Energy (MeV)

68

MAT 5446

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

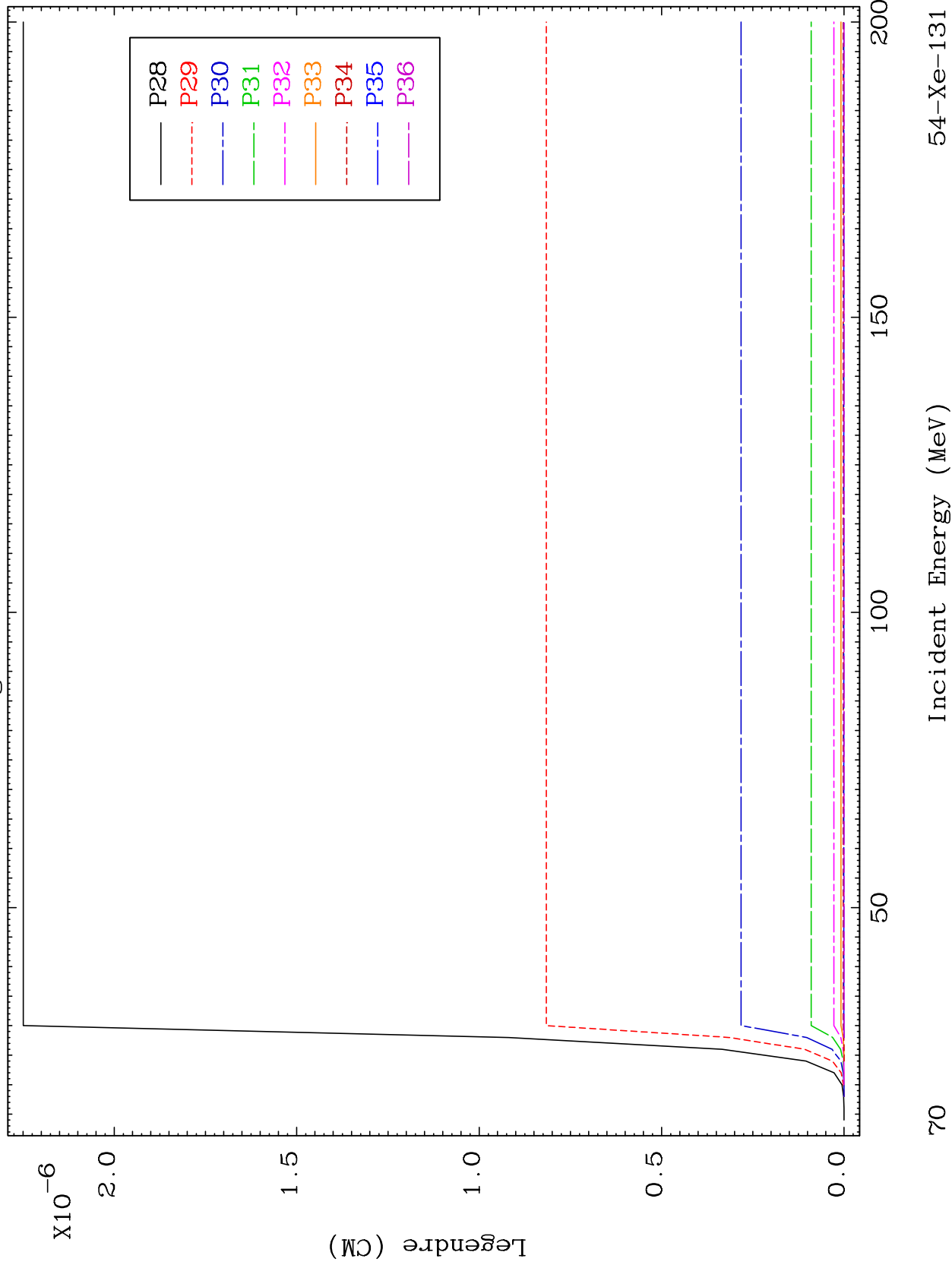
54-Xe-131



MAT 5446

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

54-Xe-131



70

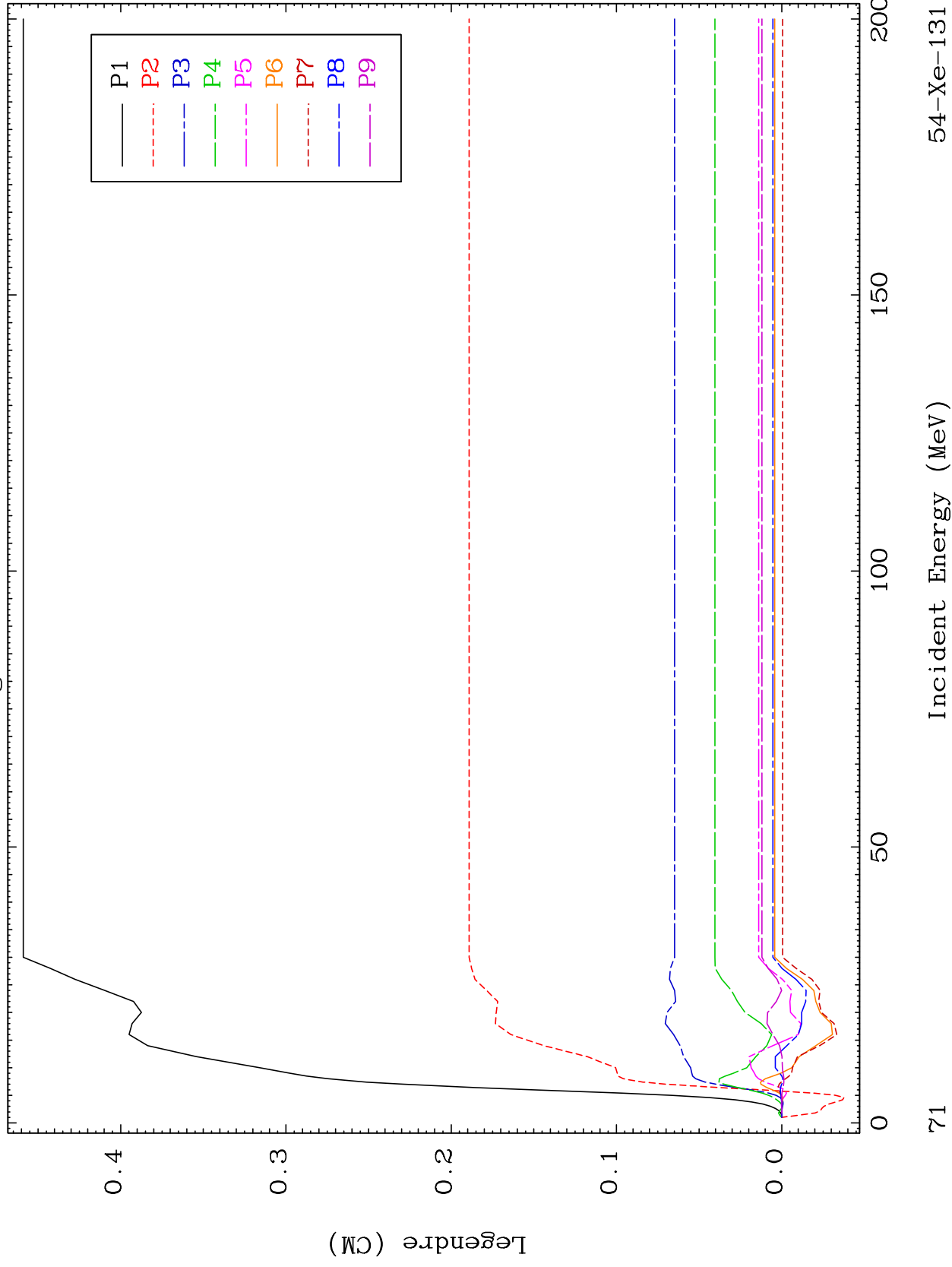
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



54-Xe-131

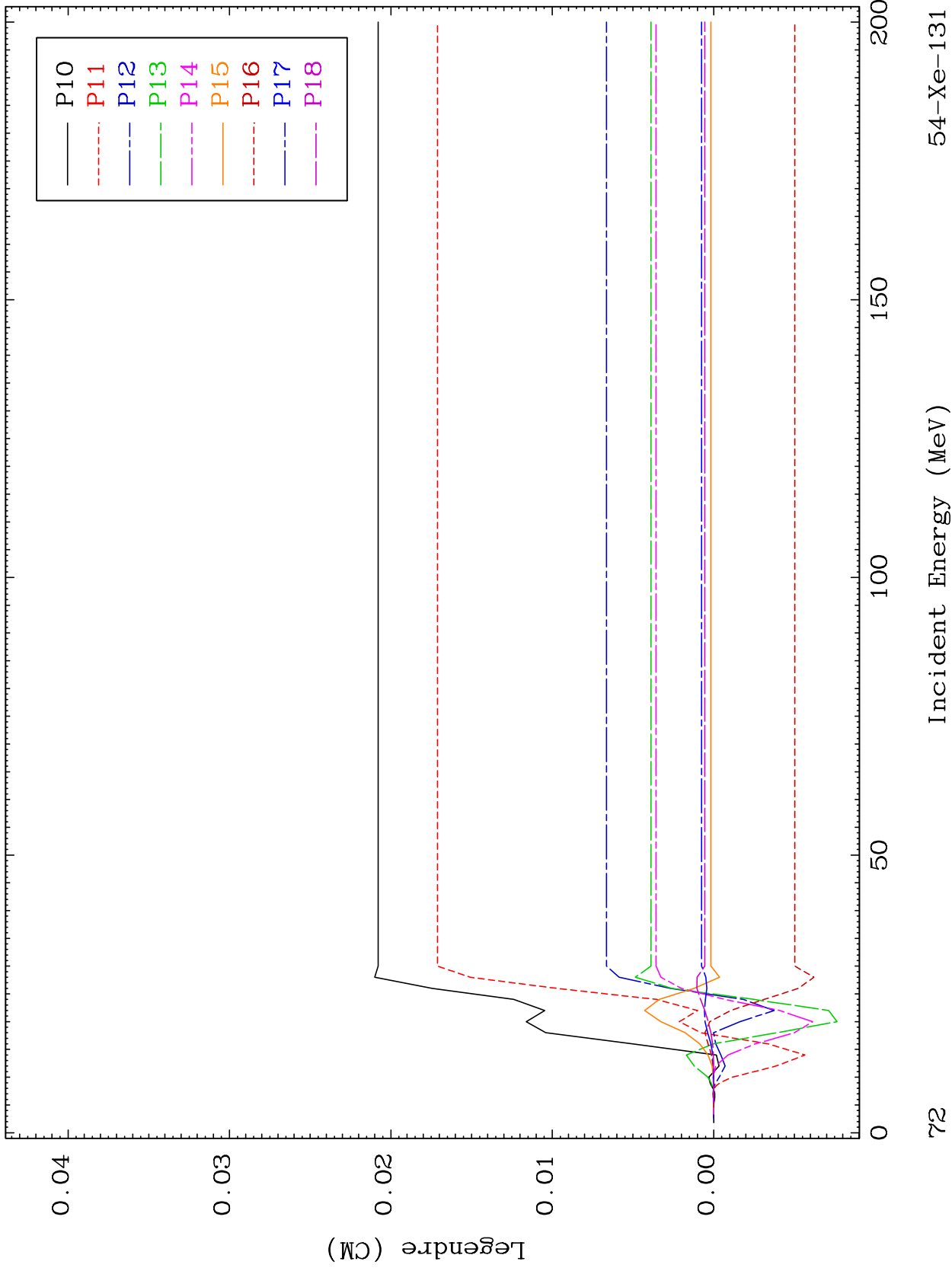
Incident Energy (MeV)

71

MAT 5446

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

54-Xe-131



72

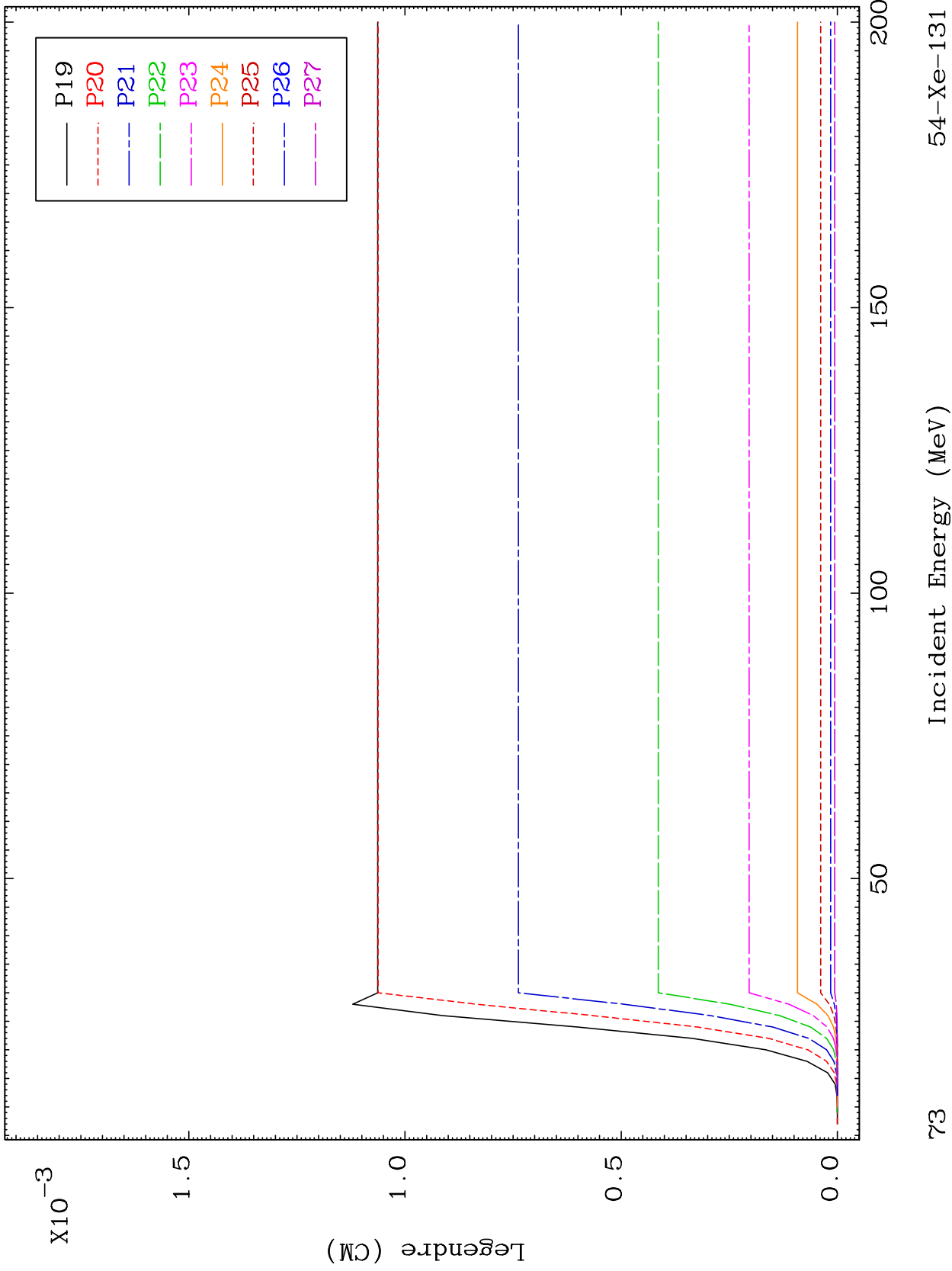
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

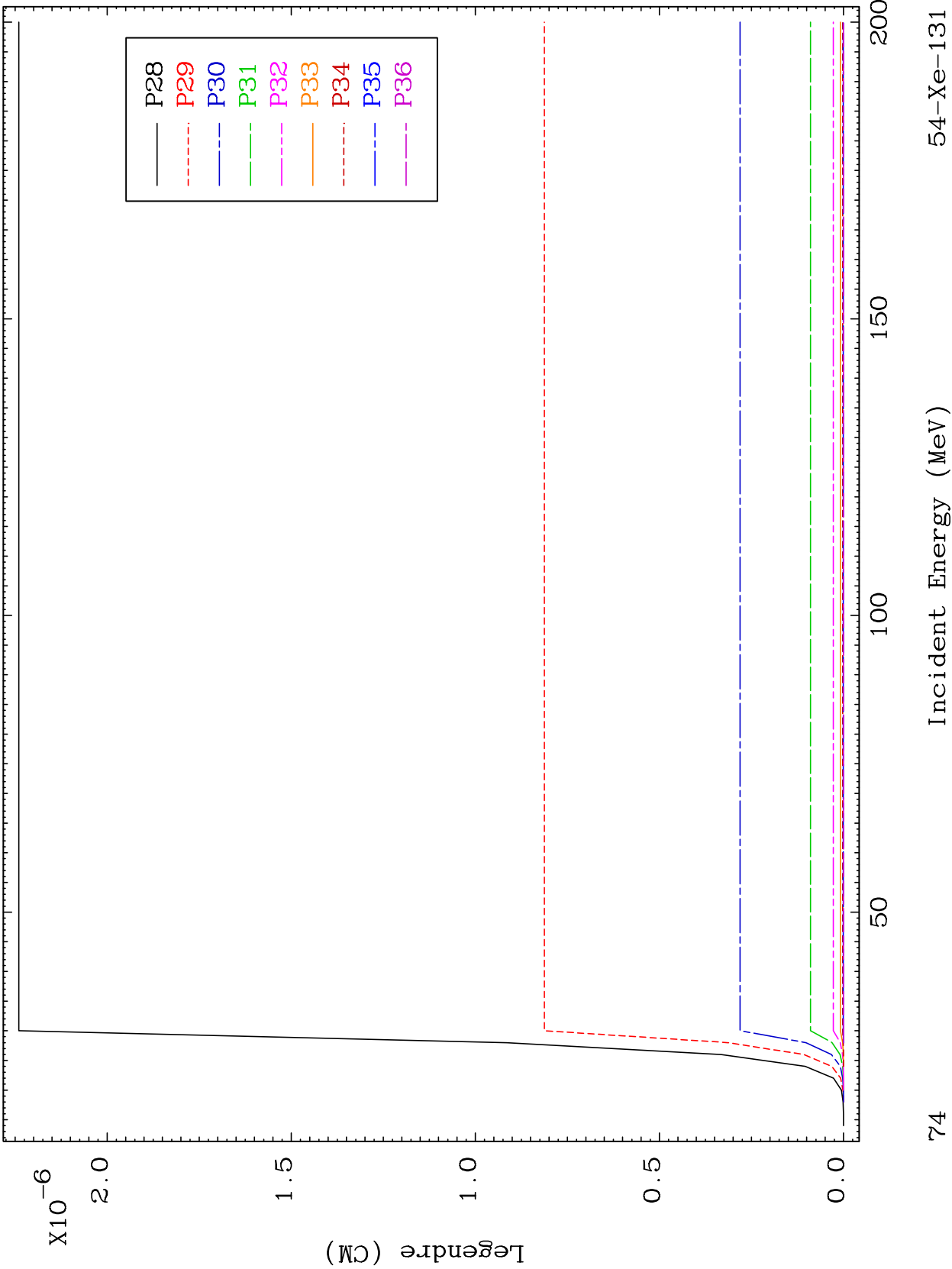
54-Xe-131

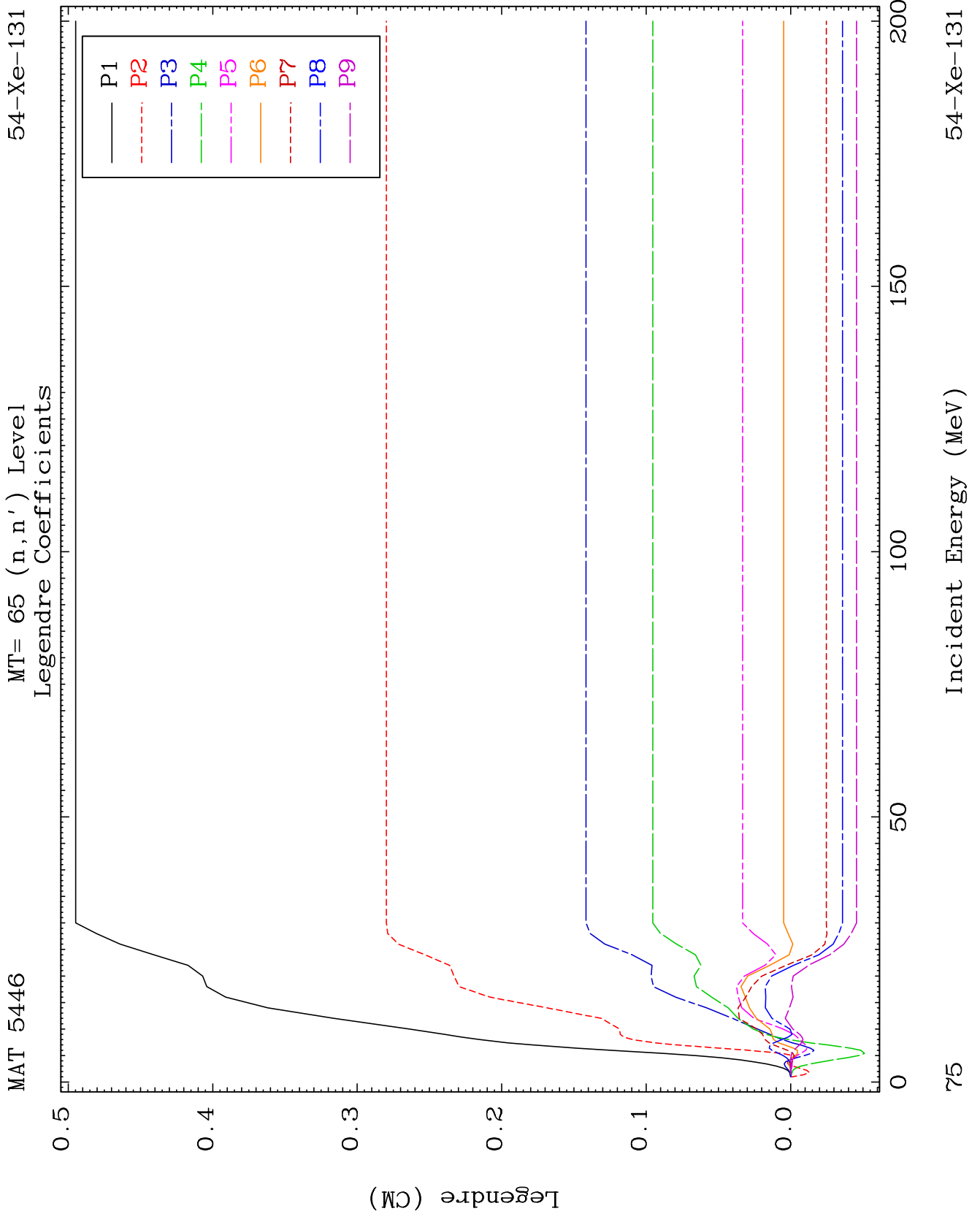


MAT 5446

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

54-Xe-131

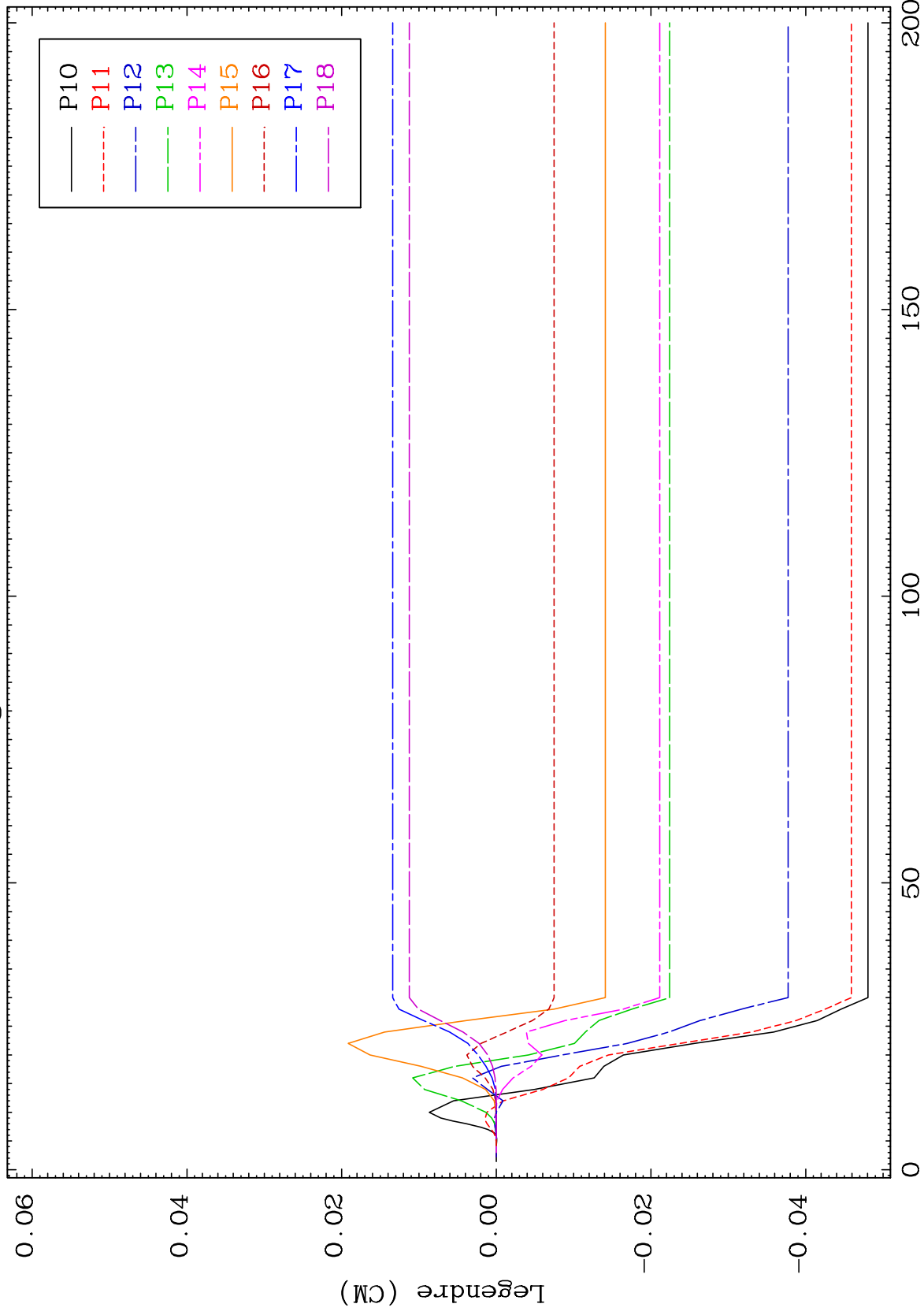




MAT 5446

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

54-Xe-131



76

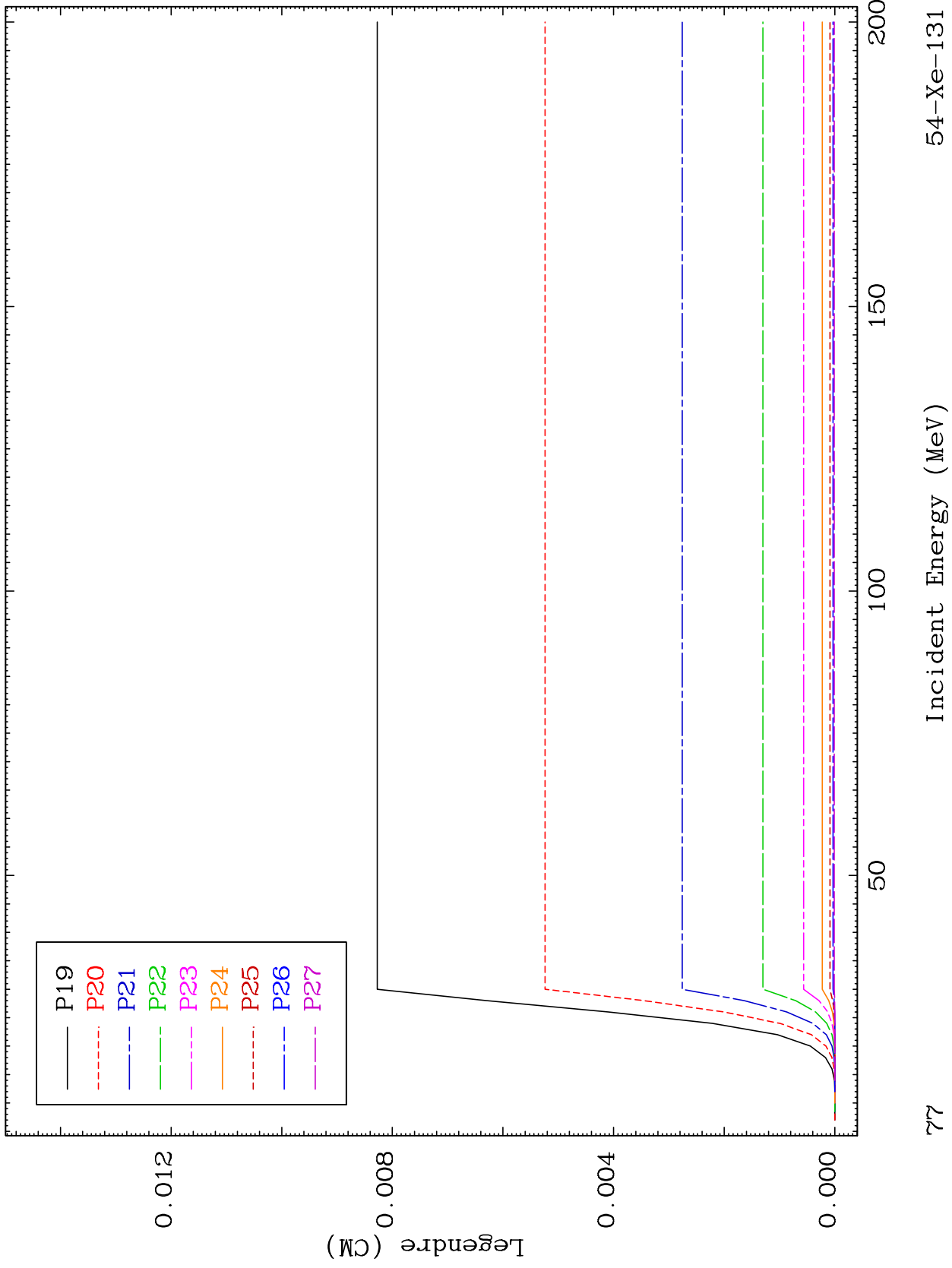
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



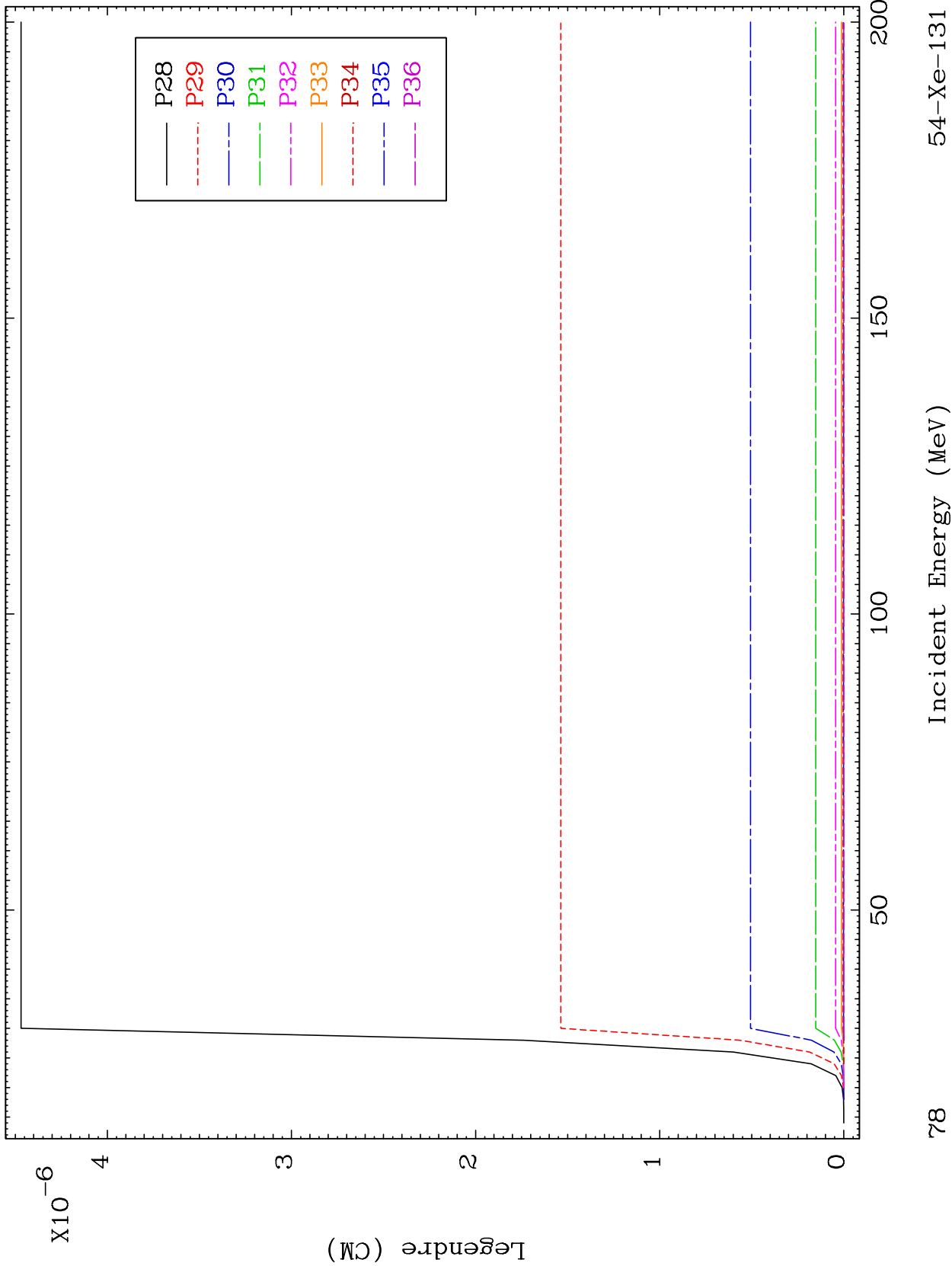
77

54-Xe-131

MAT 5446

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

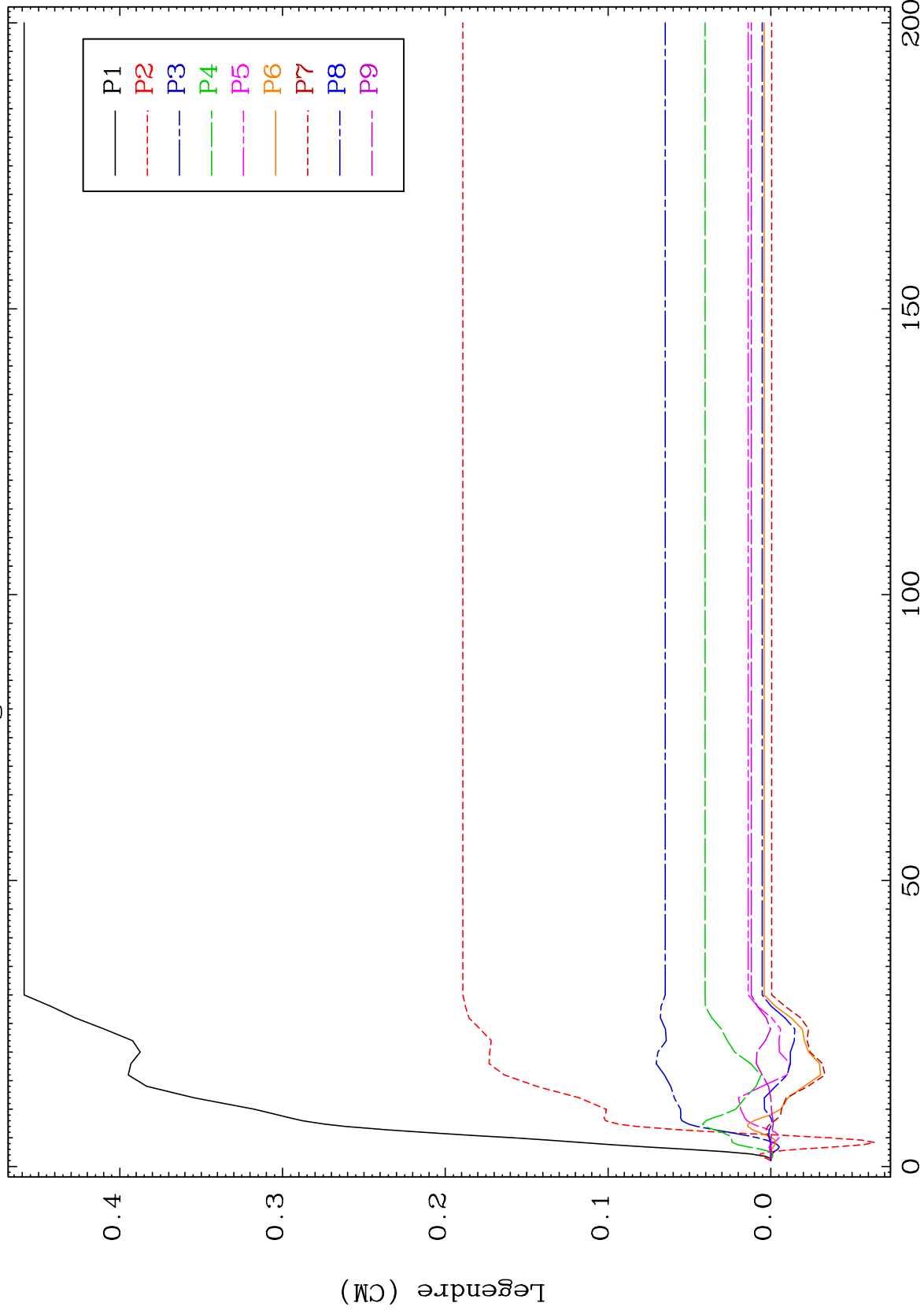
54-Xe-131



MAT 5446

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

54-Xe-131



79

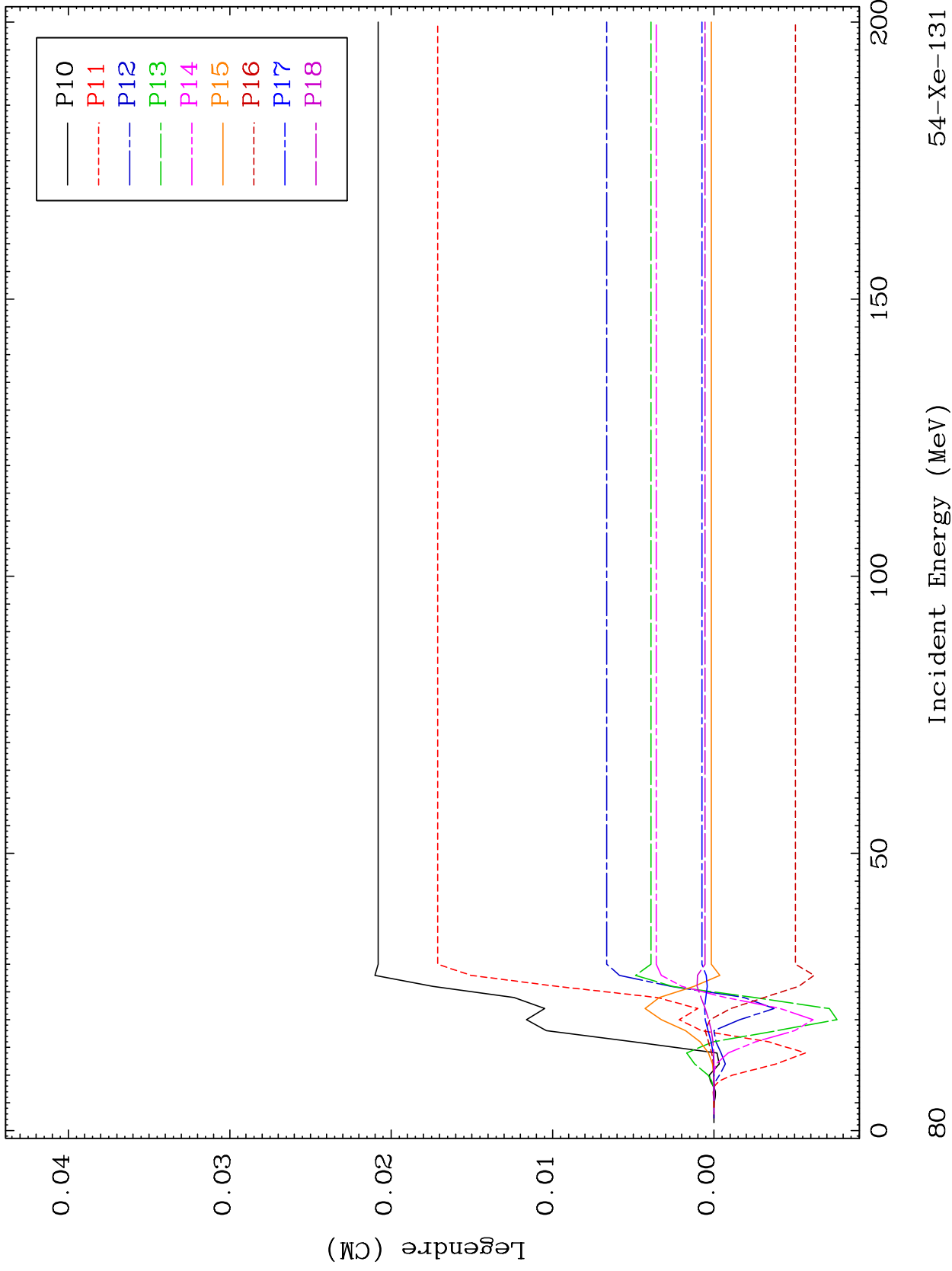
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



54-Xe-131

Incident Energy (MeV)

80

200

150

100

50

0.04

0.03

0.02

0.01

0.00

P10

P11

P12

P13

P14

P15

P16

P17

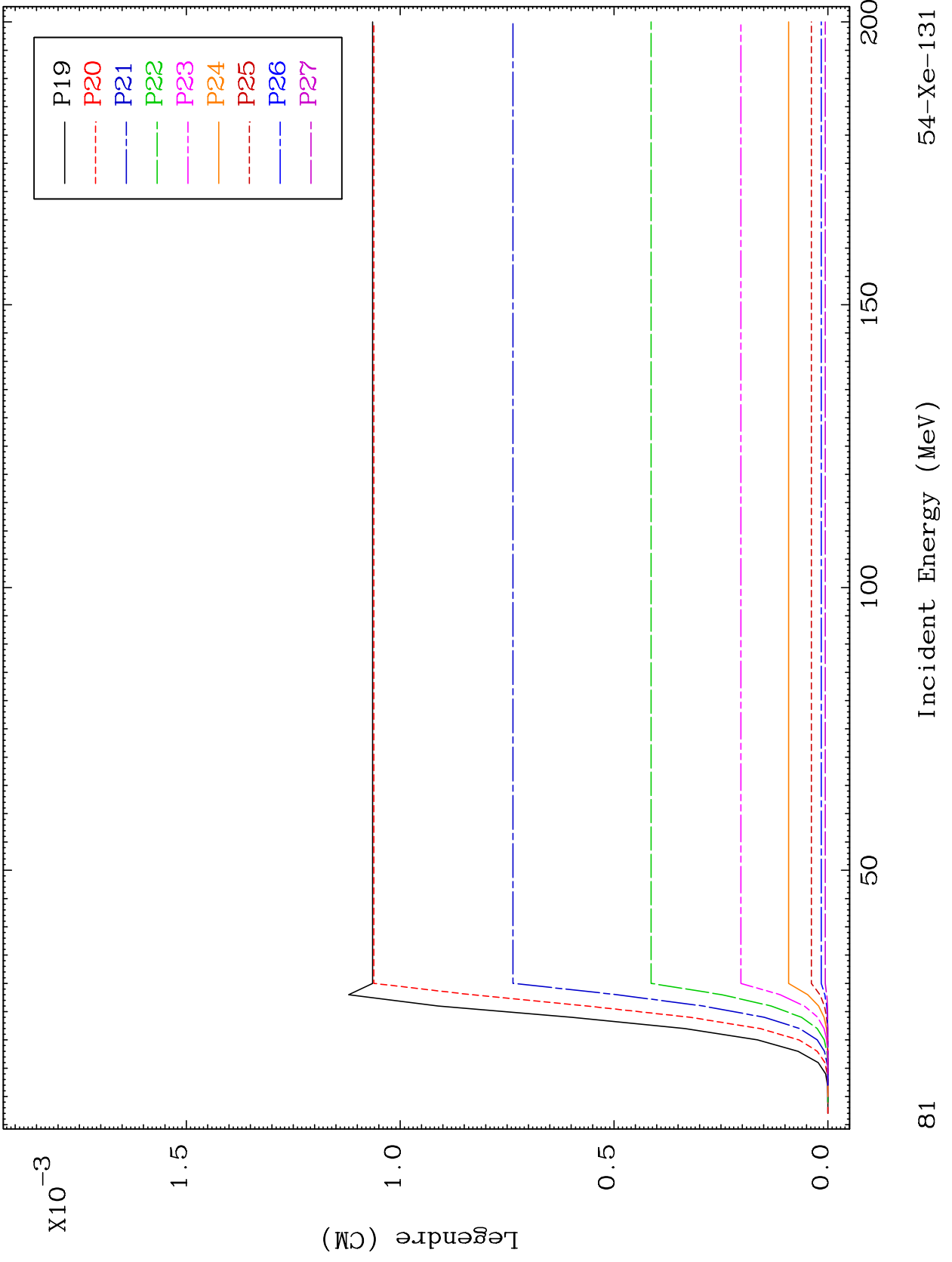
P18

Legendre (CM)

MAT 5446

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

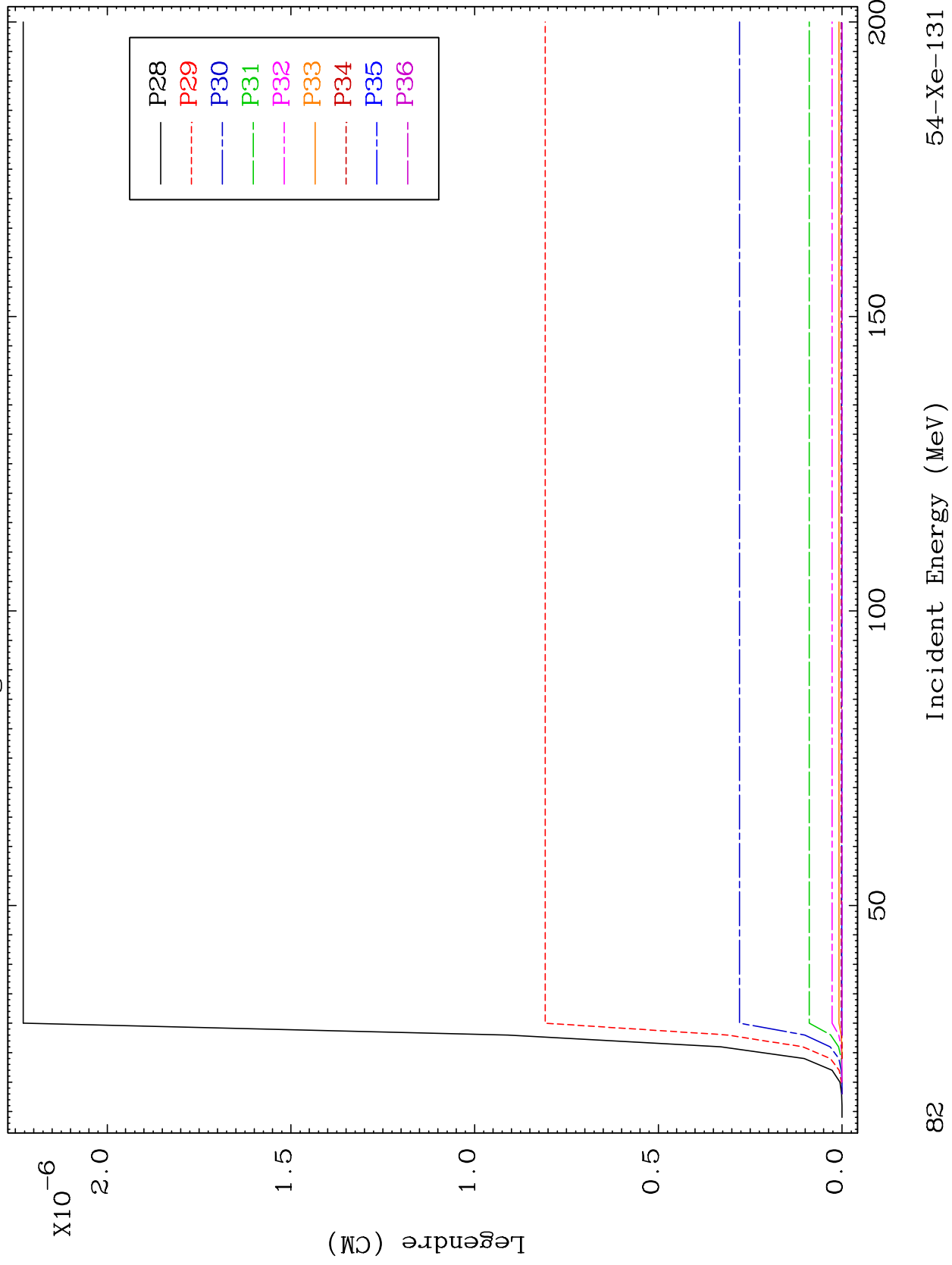
54-Xe-131



MAT 5446

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

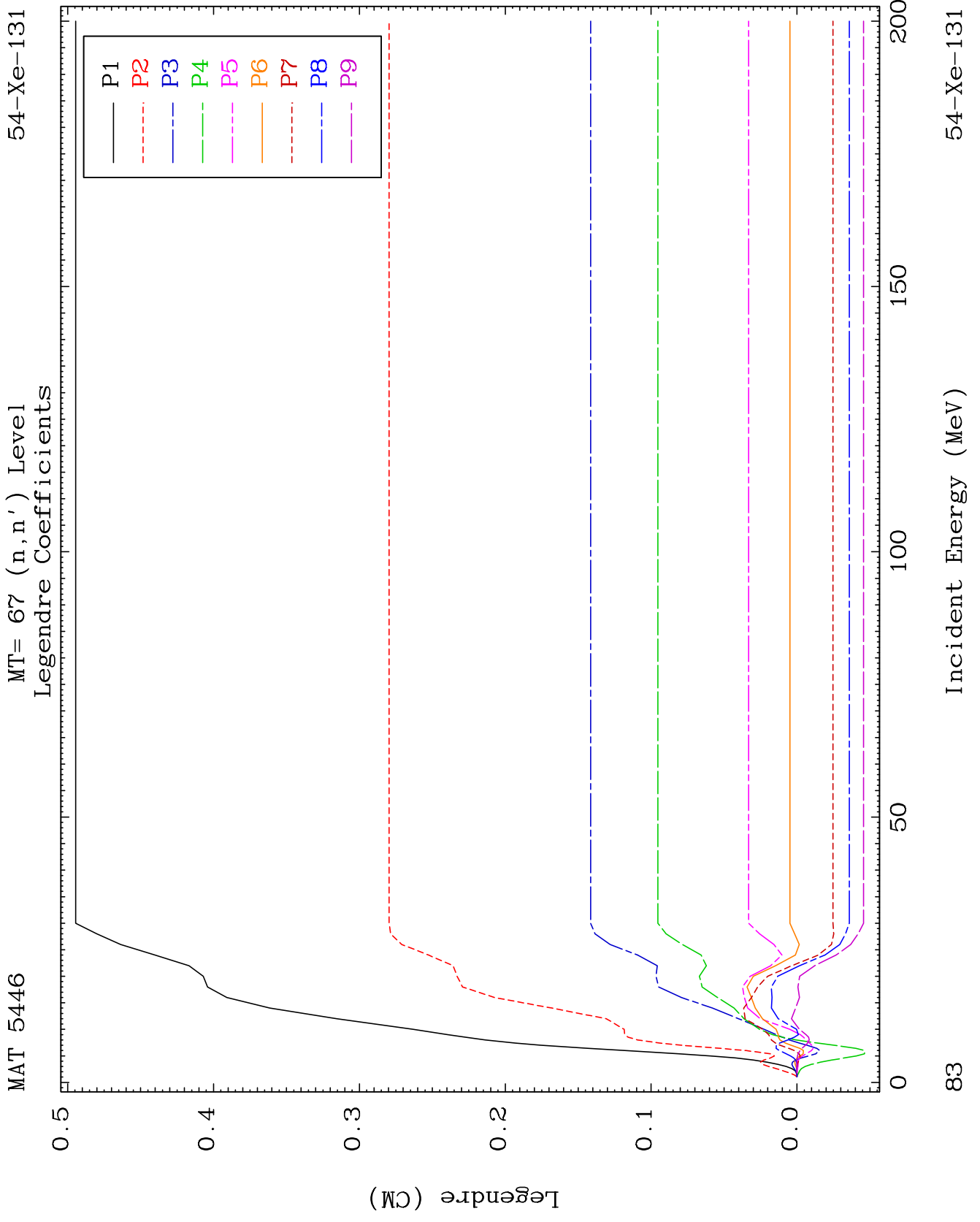
54-Xe-131



82

Incident Energy (MeV)

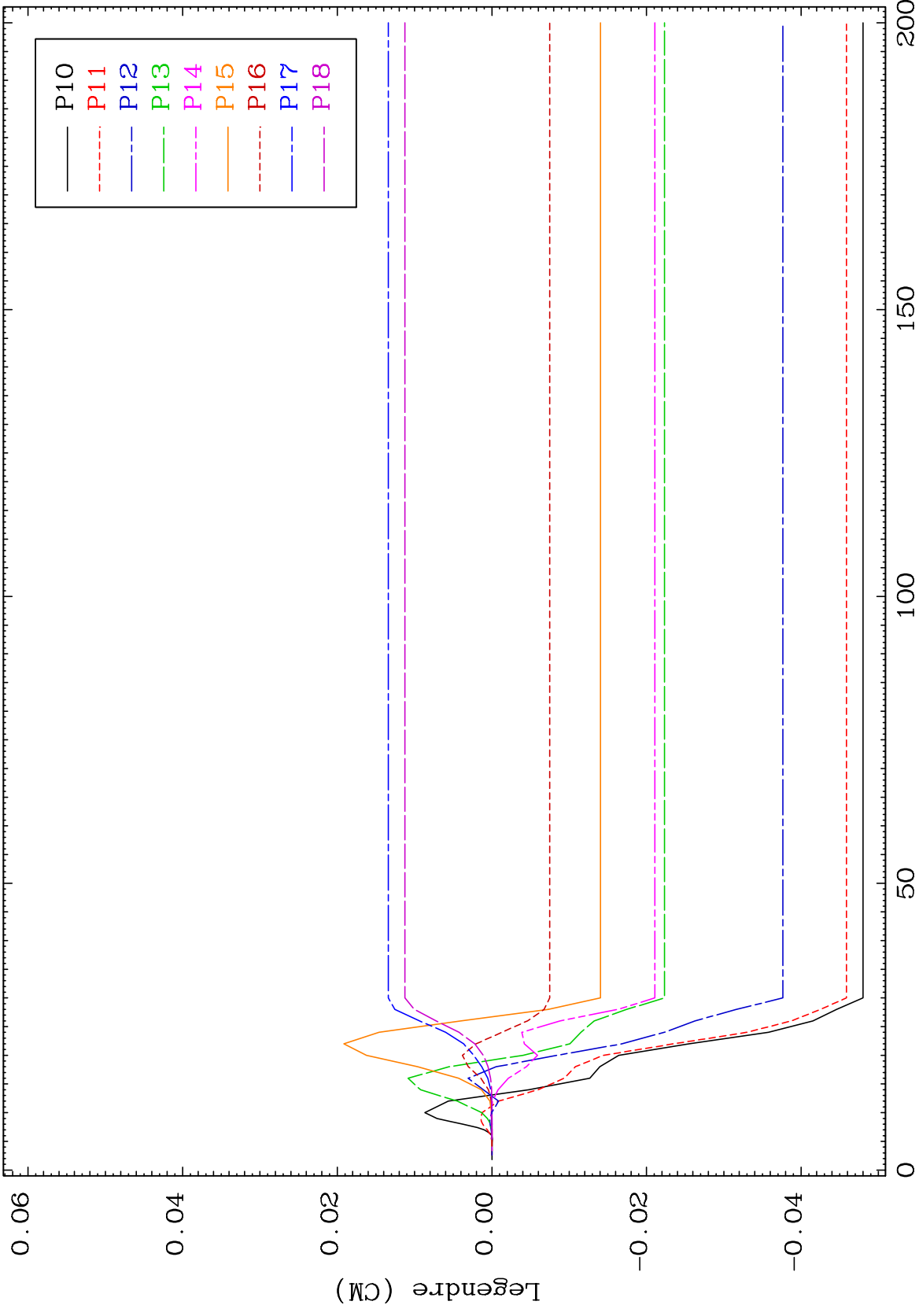
54-Xe-131



MAT 5446

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

54-Xe-131



84

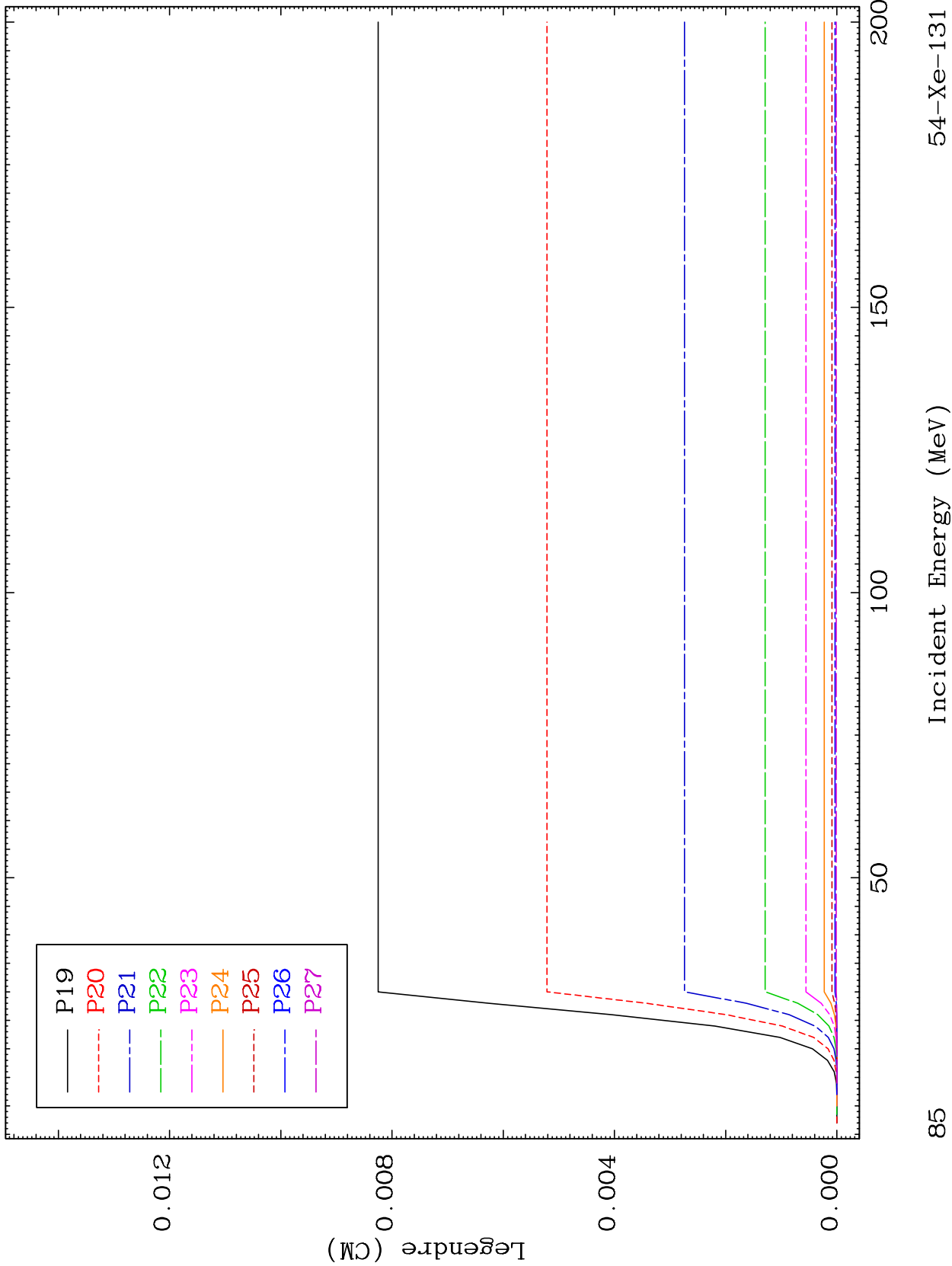
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



85

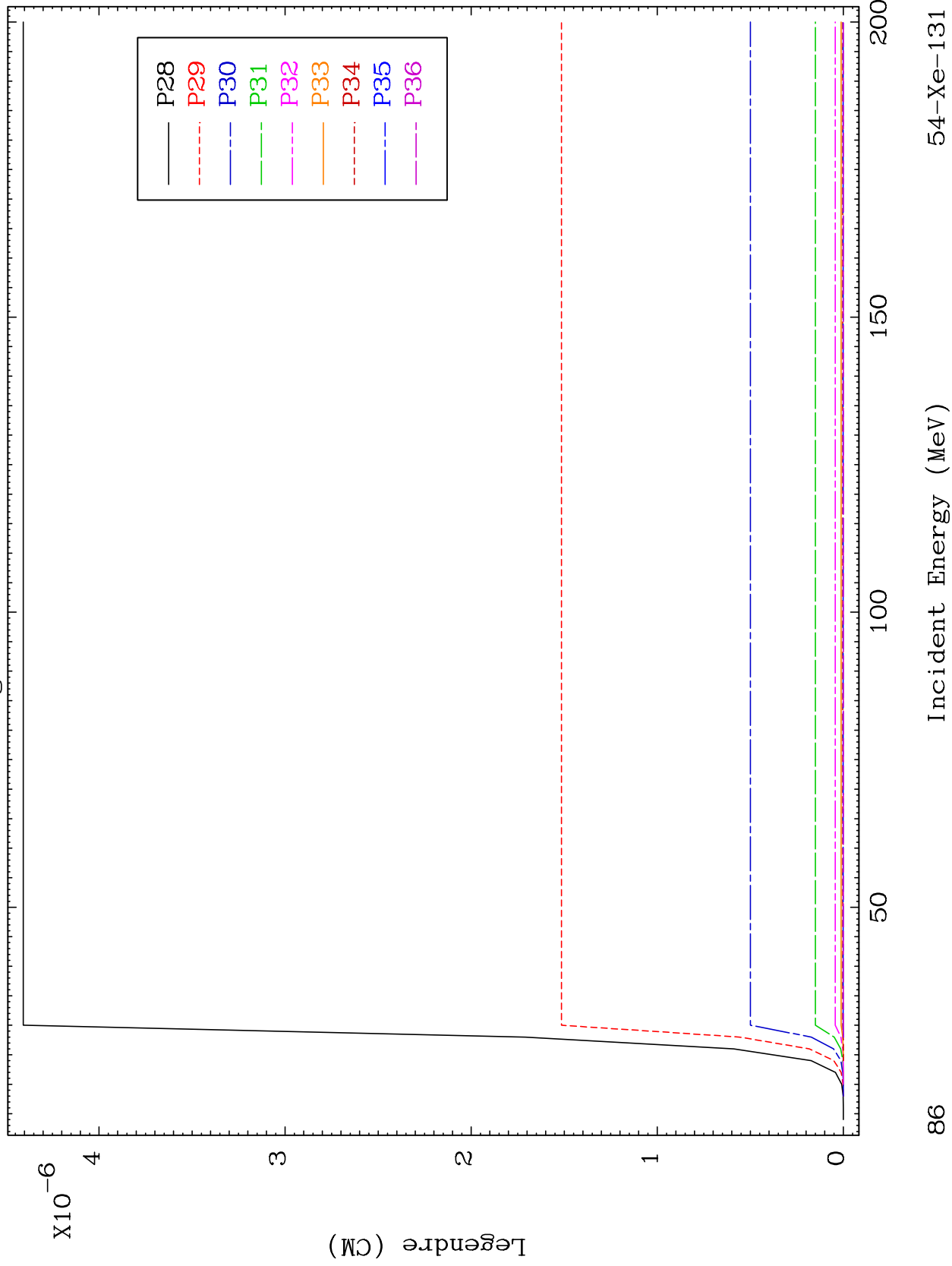
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

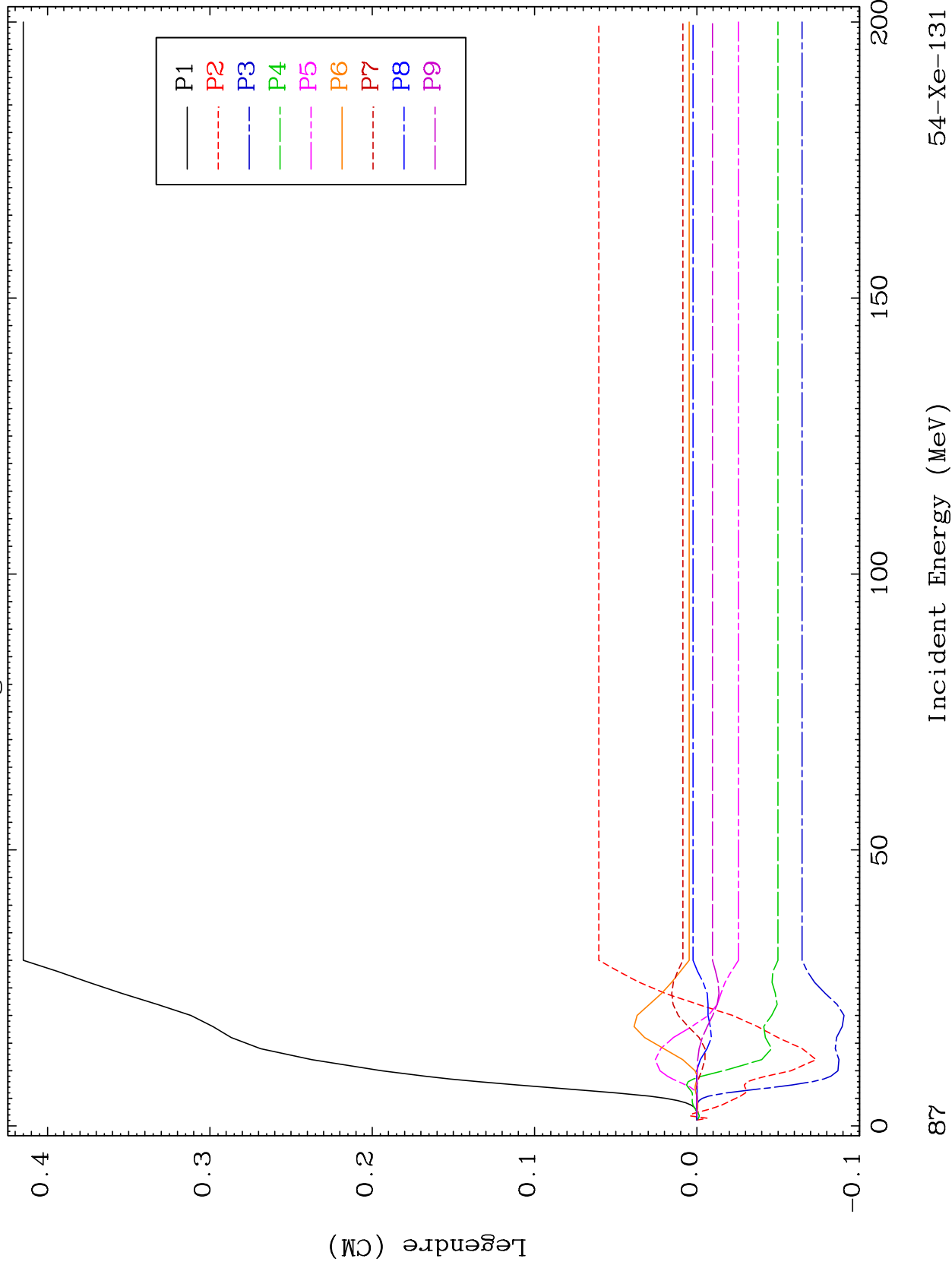
54-Xe-131



MAT 5446

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

54-Xe-131



54-Xe-131

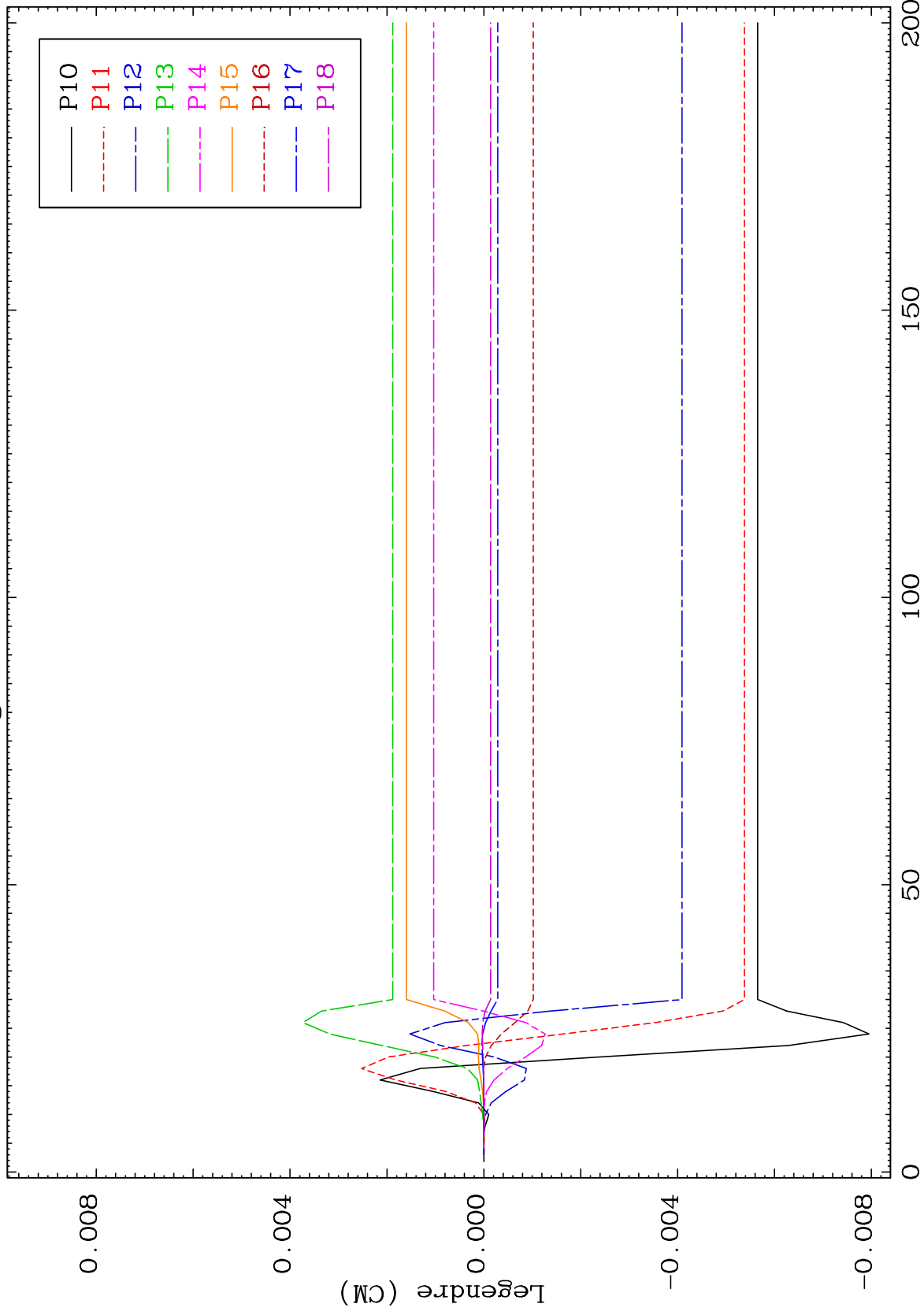
Incident Energy (MeV)

87

MAT 5446

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

54-Xe-131



88

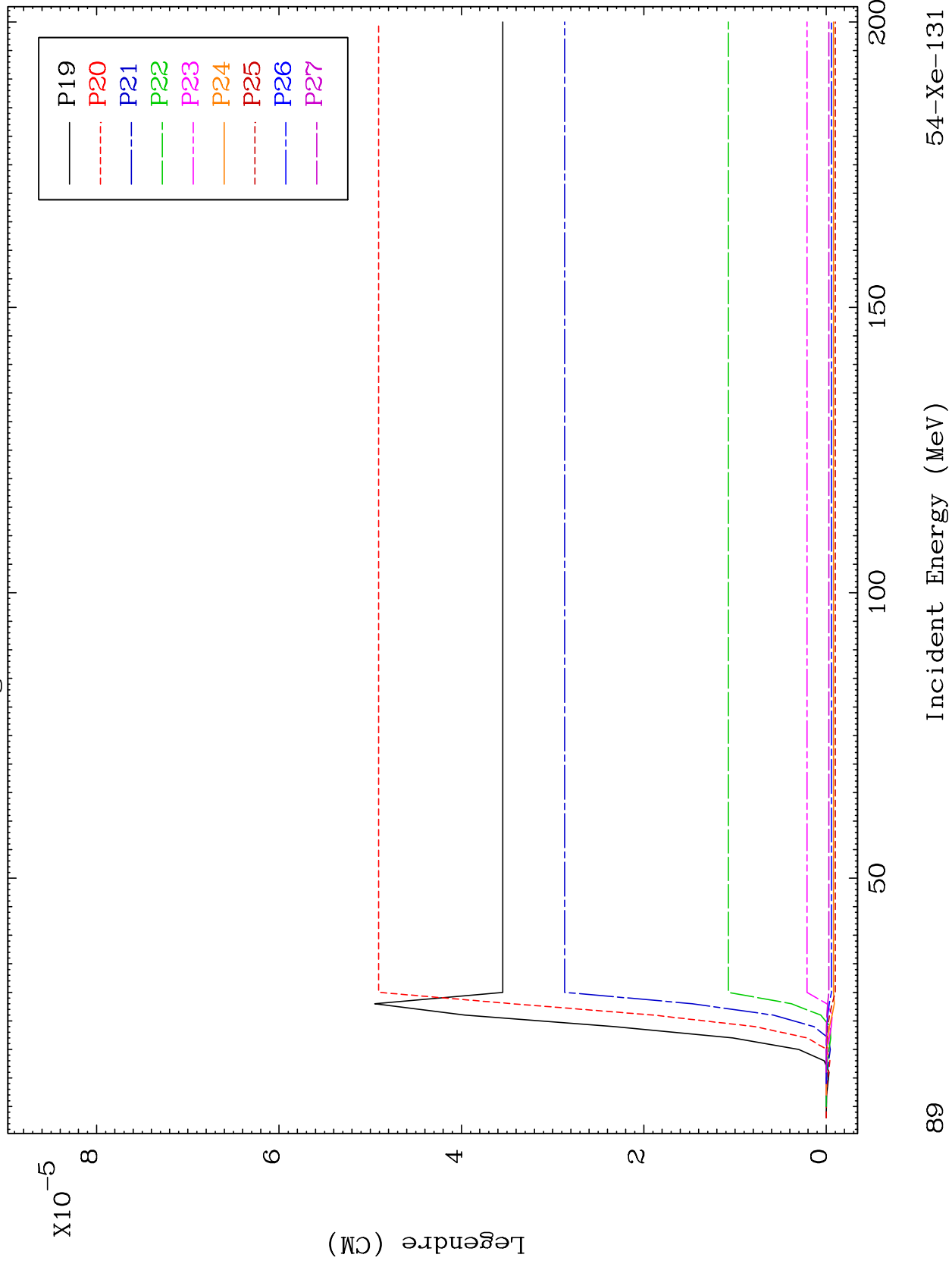
Incident Energy (MeV)

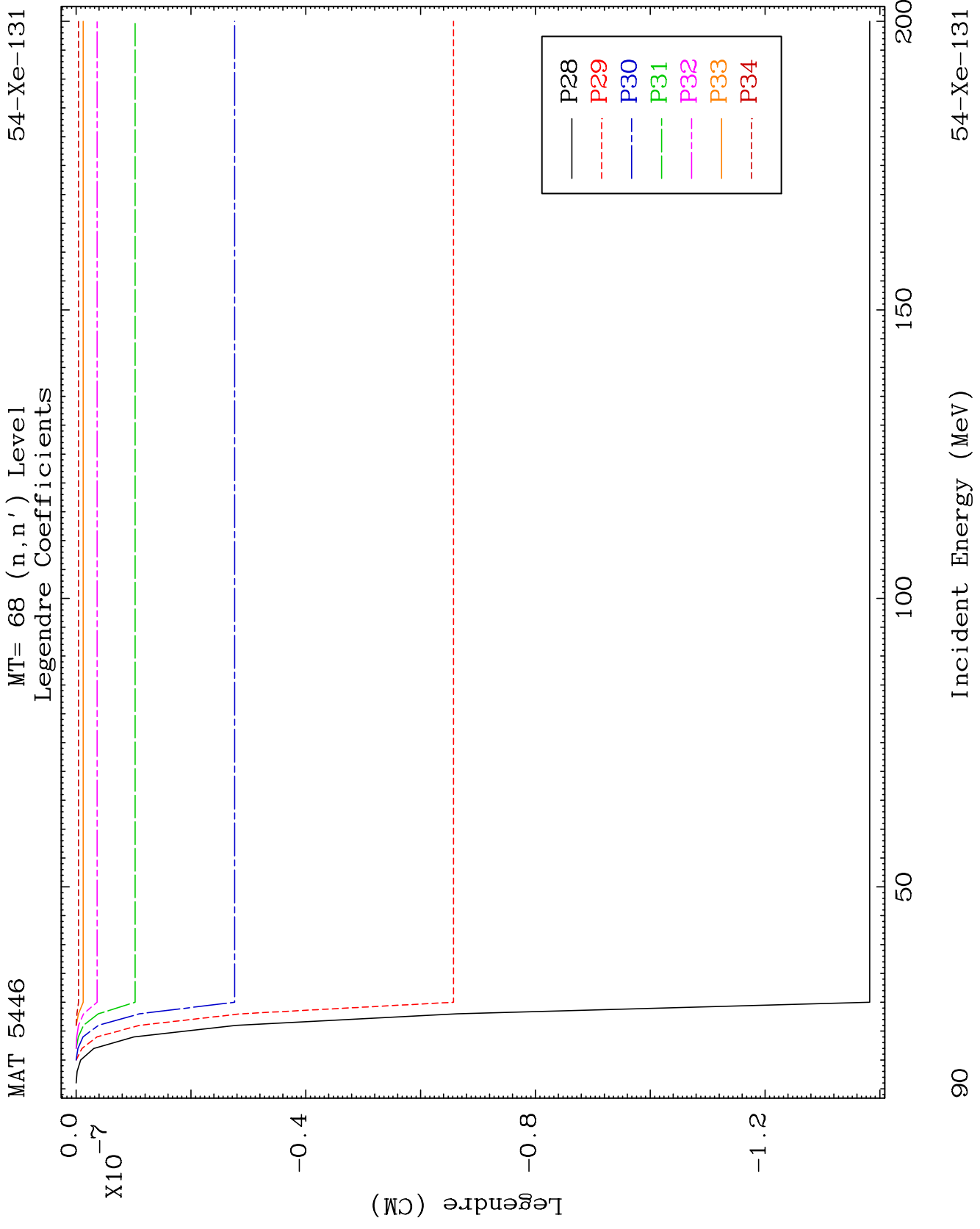
54-Xe-131

MAT 5446

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

54-Xe-131

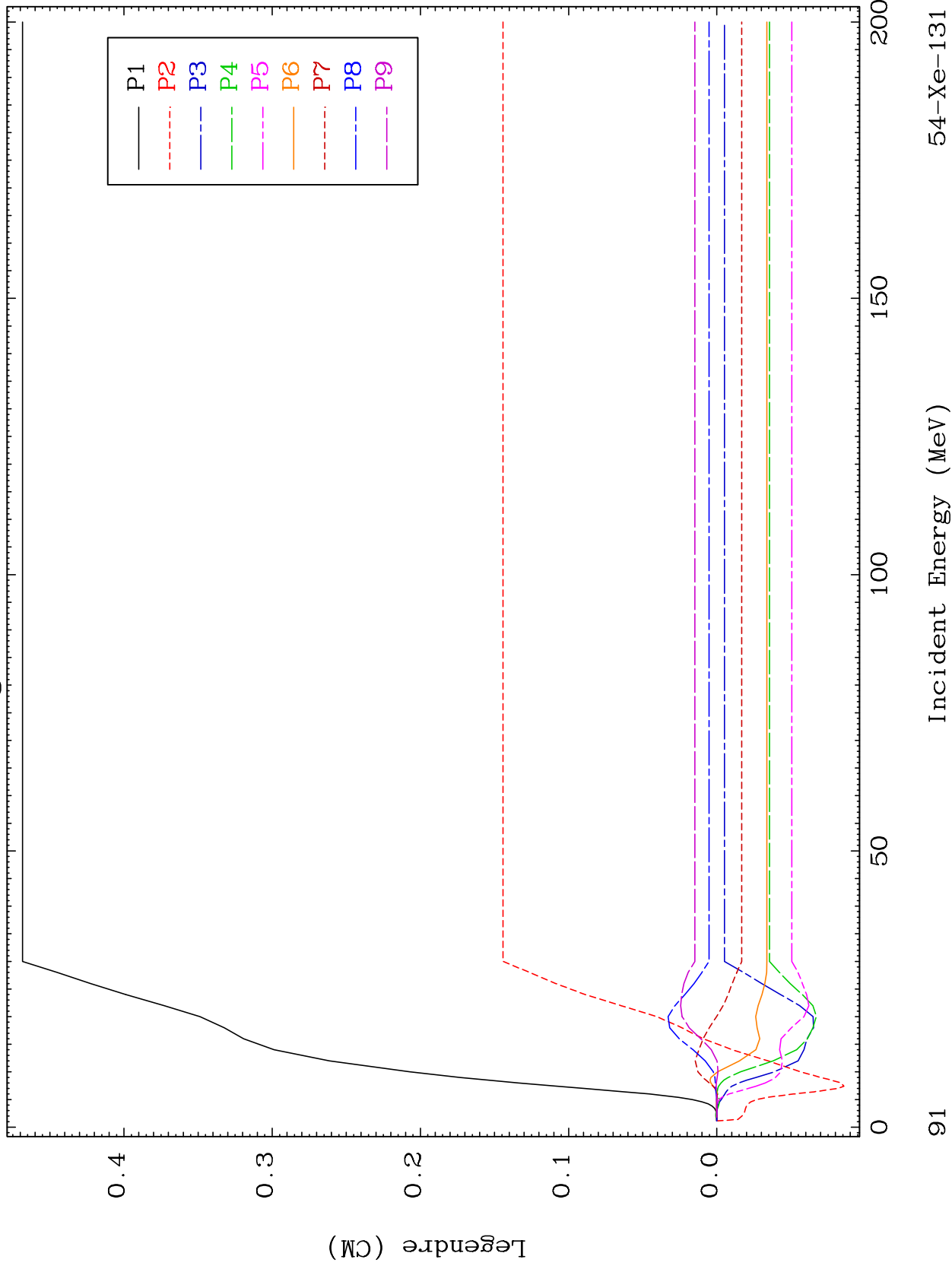




MAT 5446

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

54-Xe-131



54-Xe-131

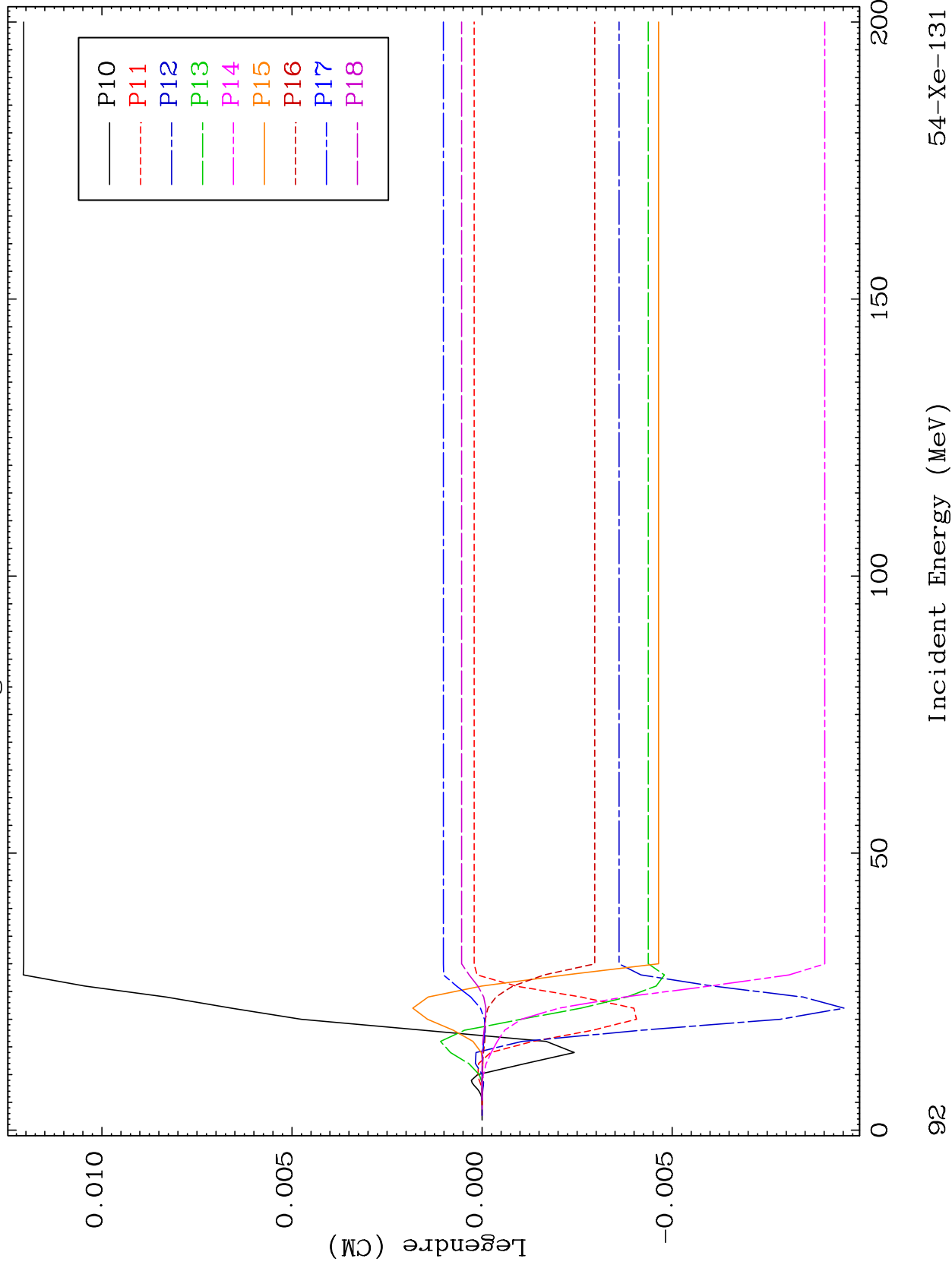
Incident Energy (MeV)

91

MAT 5446

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

54-Xe-131



54-Xe-131

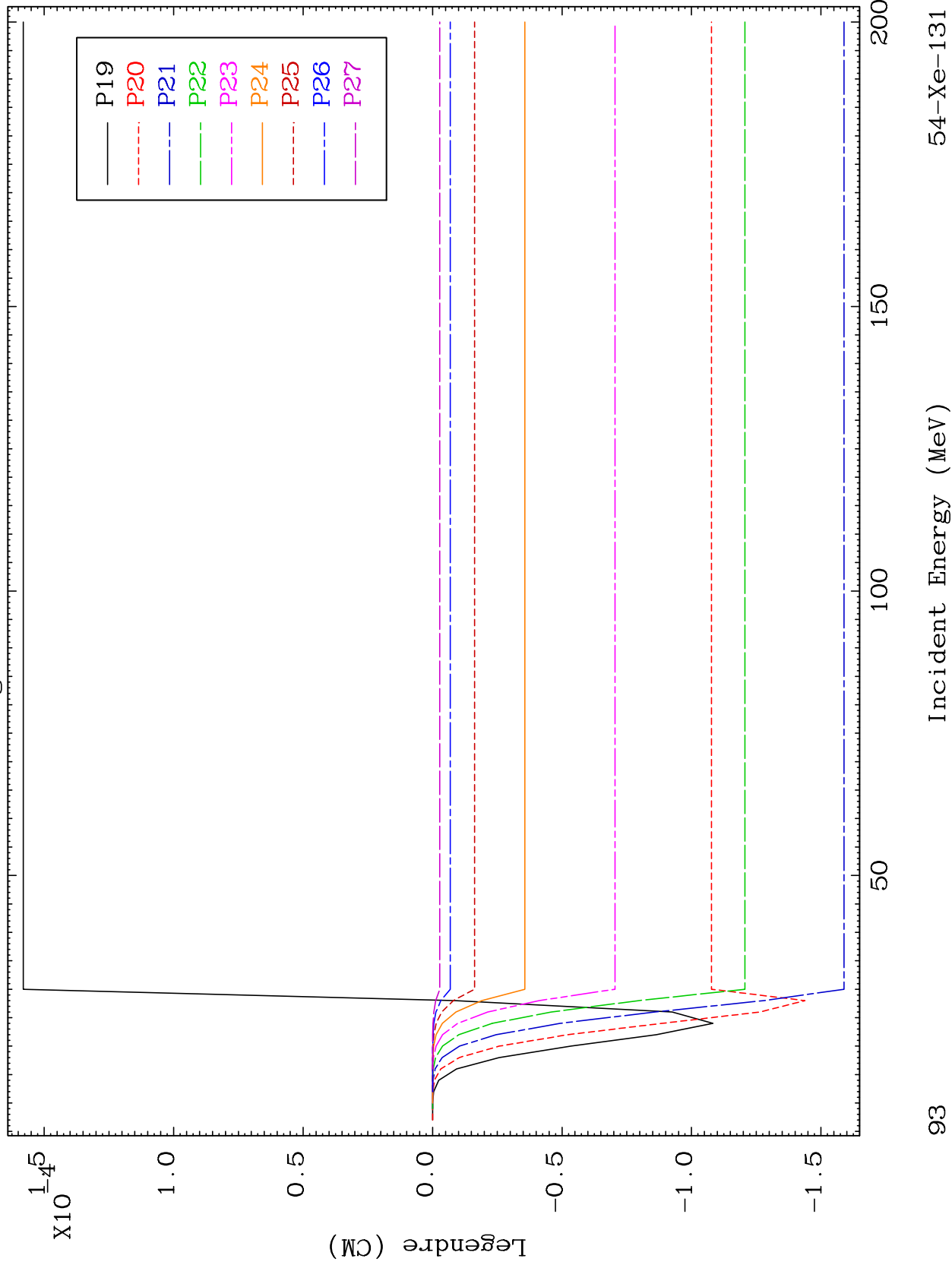
Incident Energy (MeV)

92

MAT 5446

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

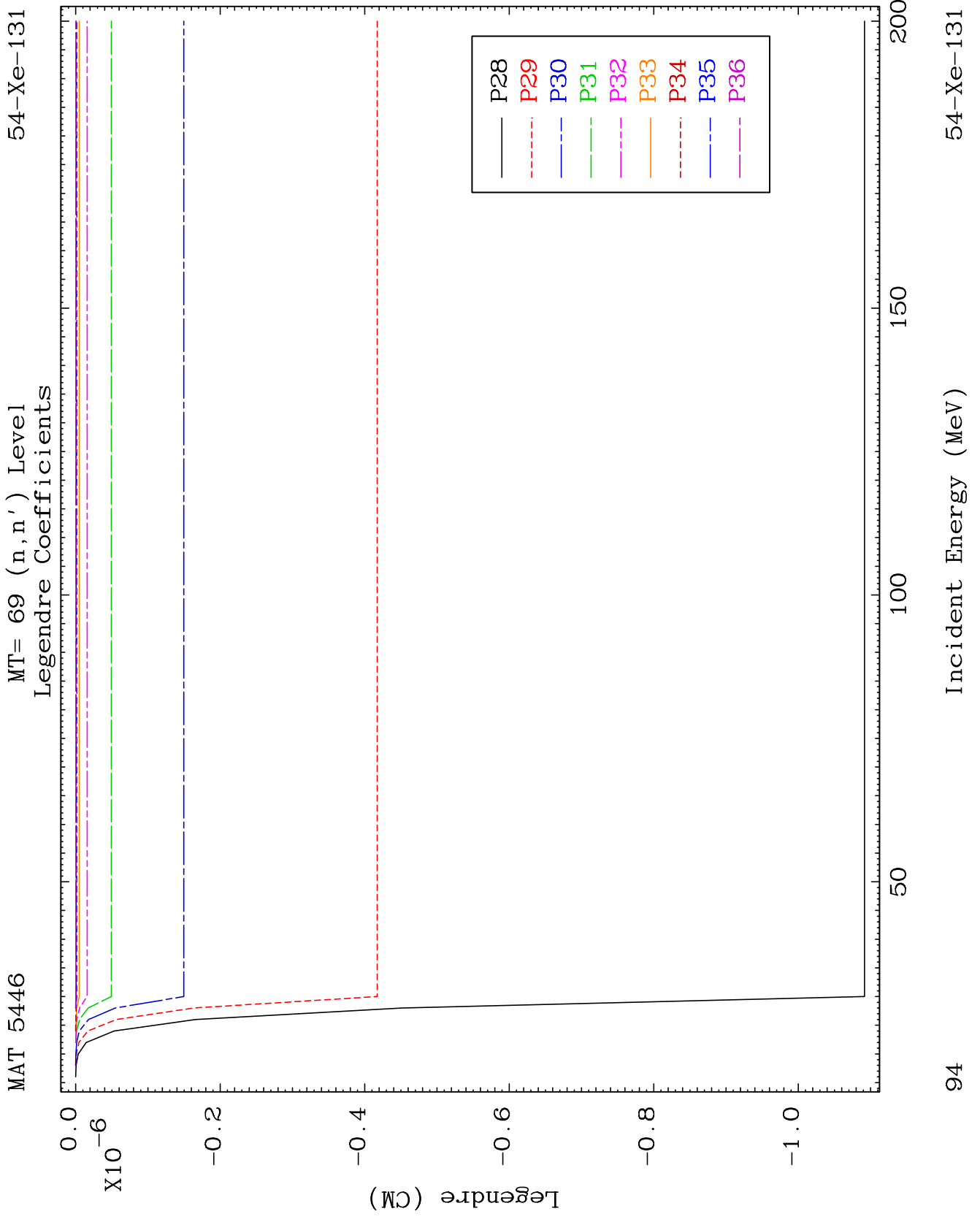
54-Xe-131



93

Incident Energy (MeV)

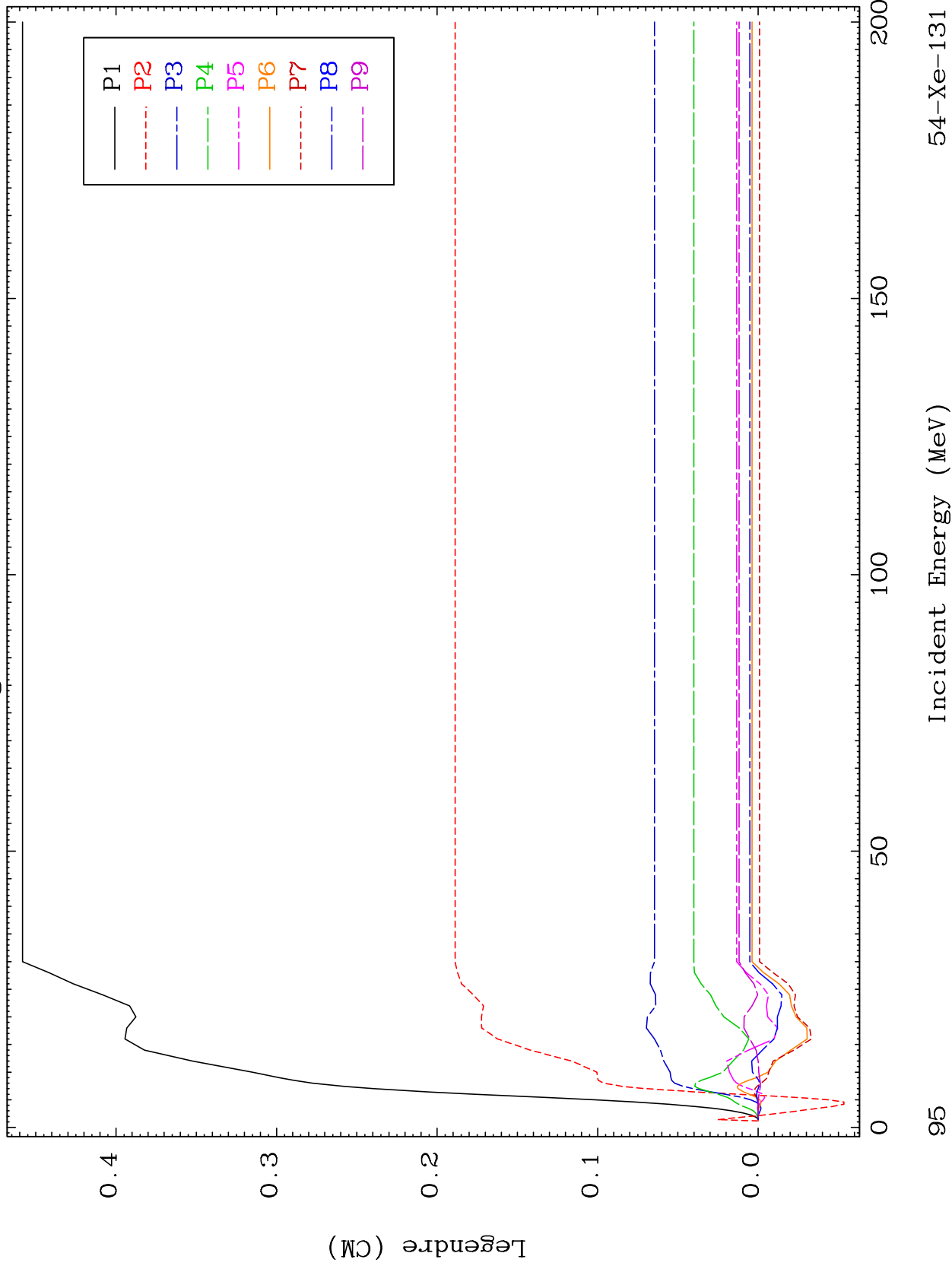
54-Xe-131



MAT 5446

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

54-Xe-131



54-Xe-131

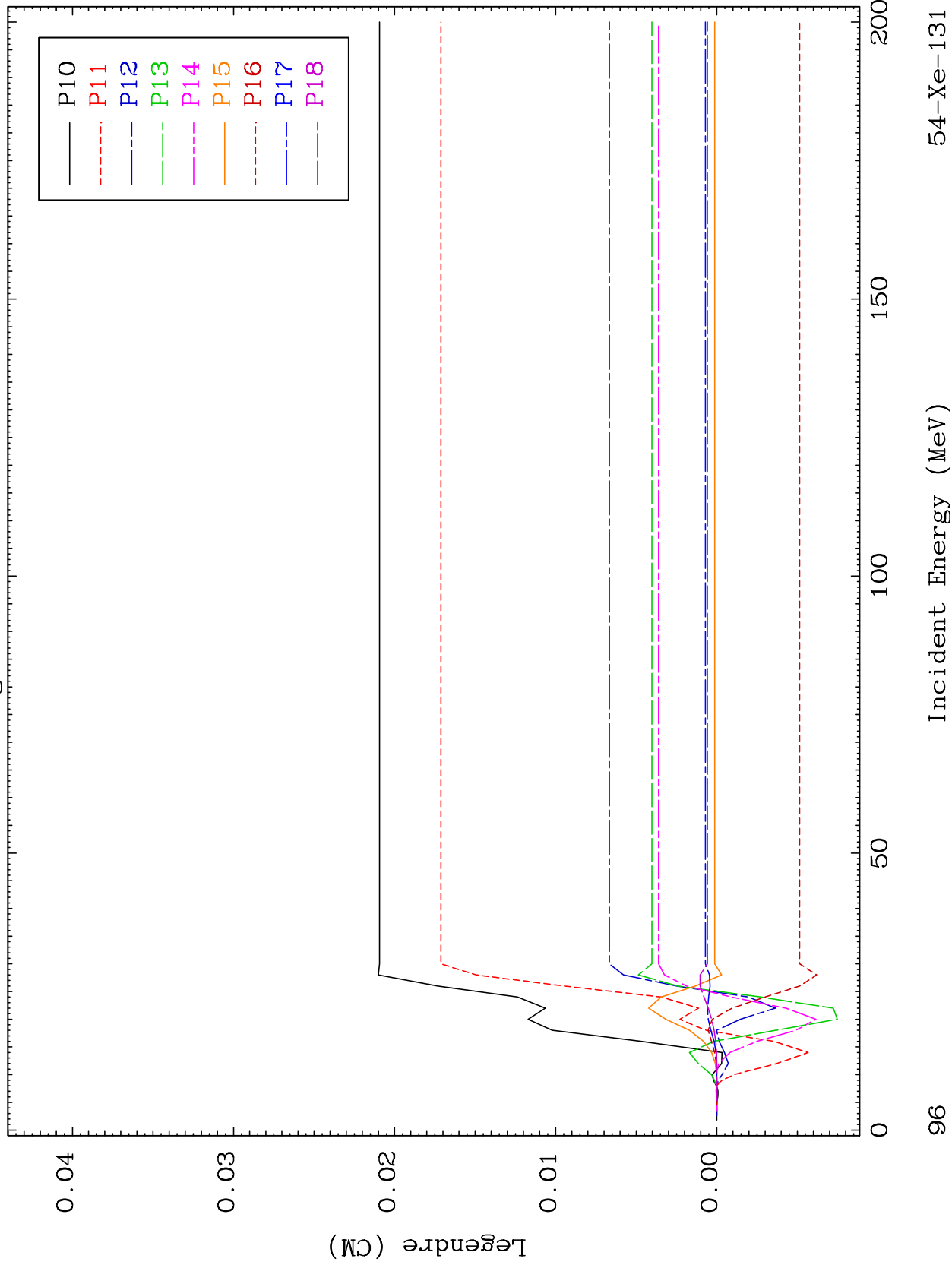
Incident Energy (MeV)

95

MAT 5446

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

54-Xe-131



54-Xe-131

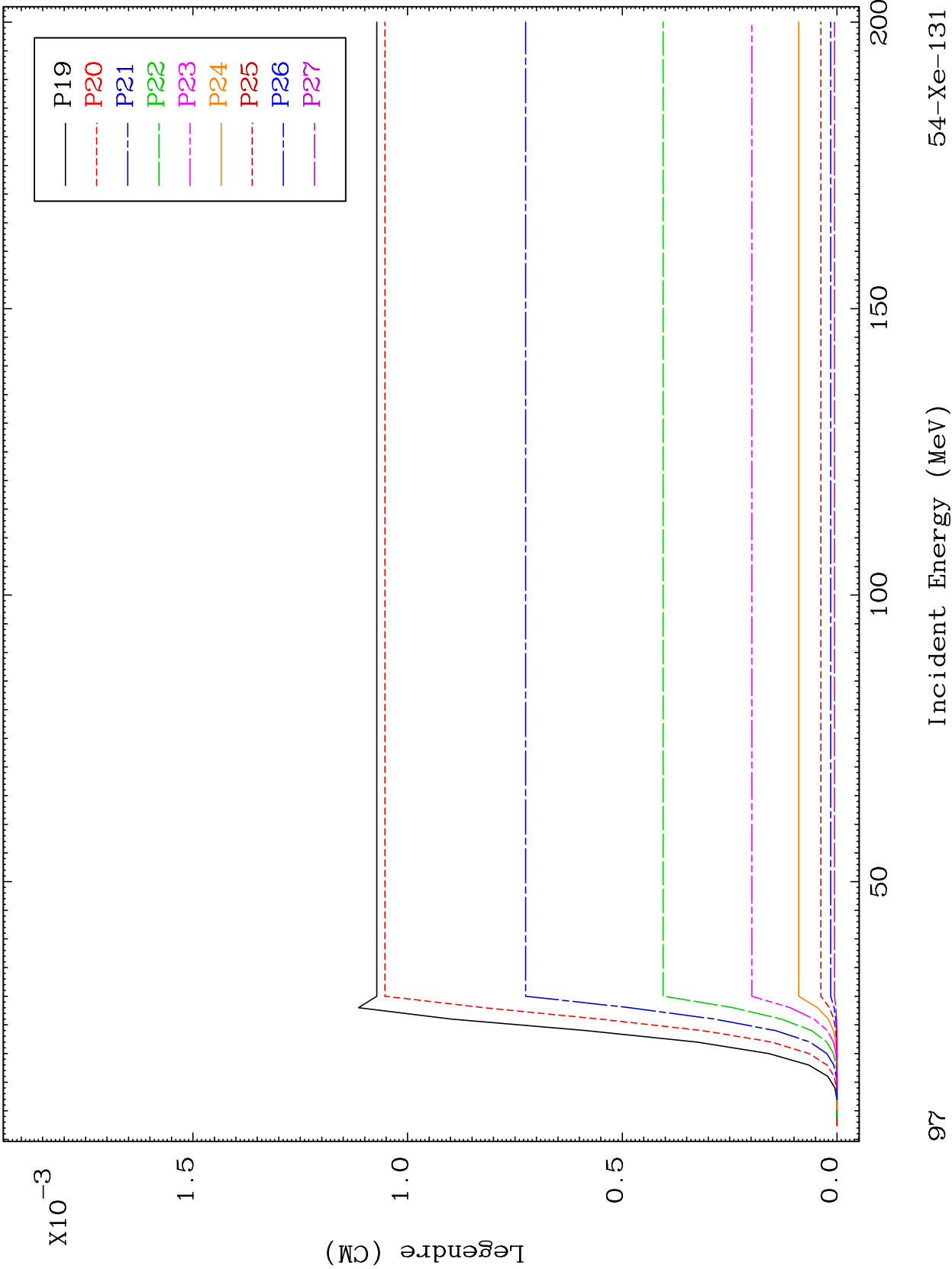
Incident Energy (MeV)

96

MAT 5446

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

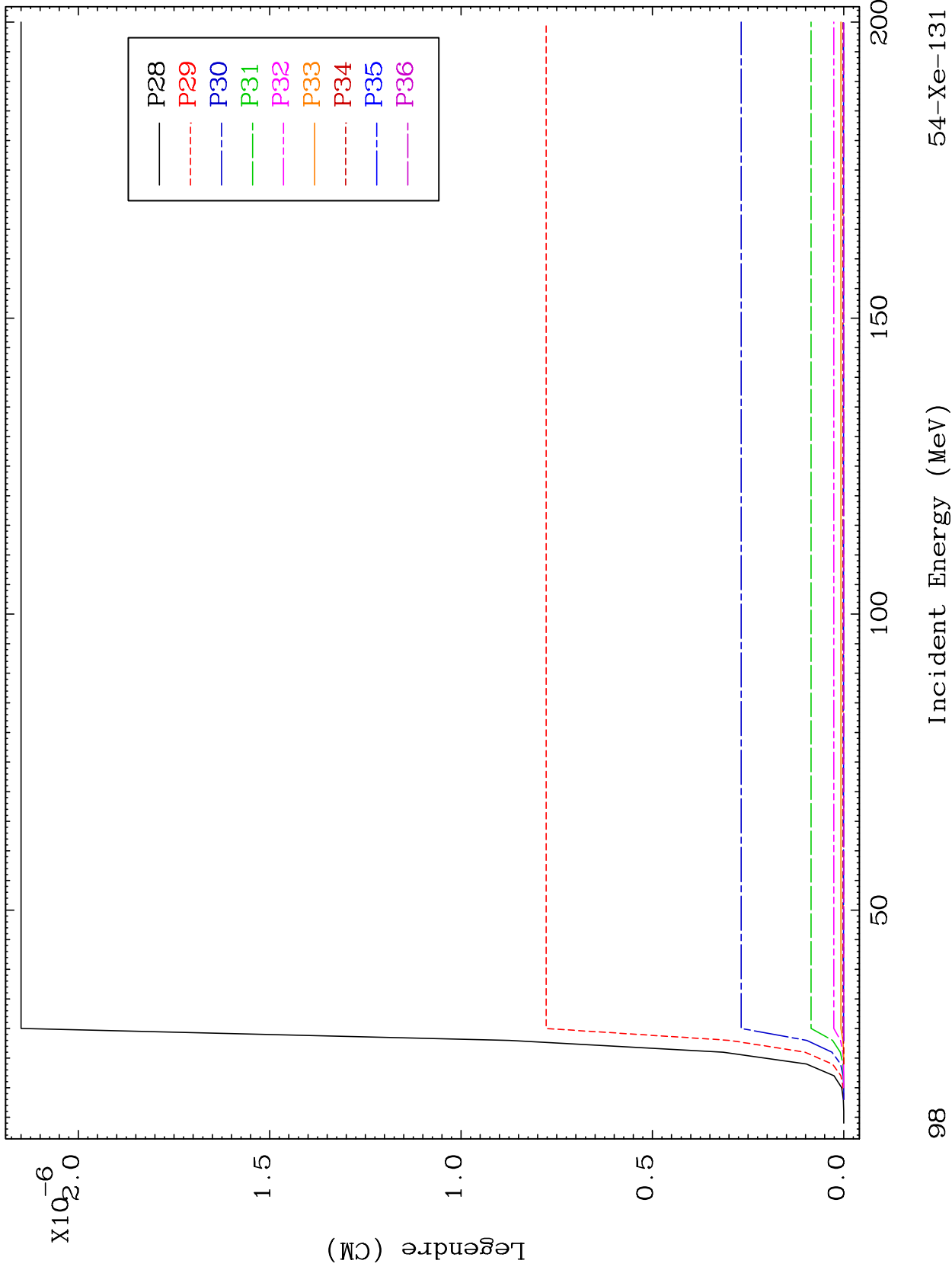
54-Xe-131



MAT 5446

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

54-Xe-131



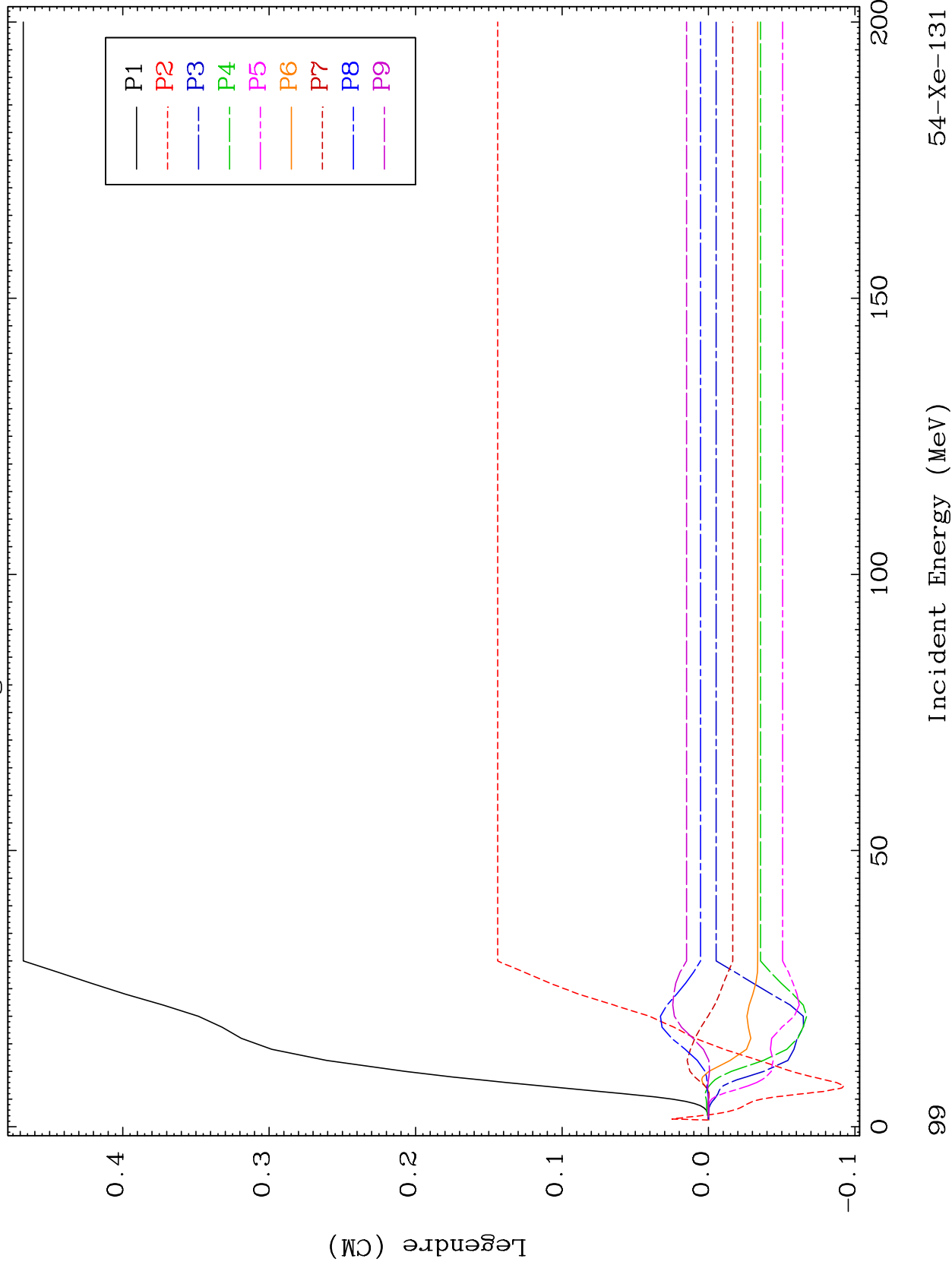
98

54-Xe-131

MAT 5446

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

54-Xe-131



54-Xe-131

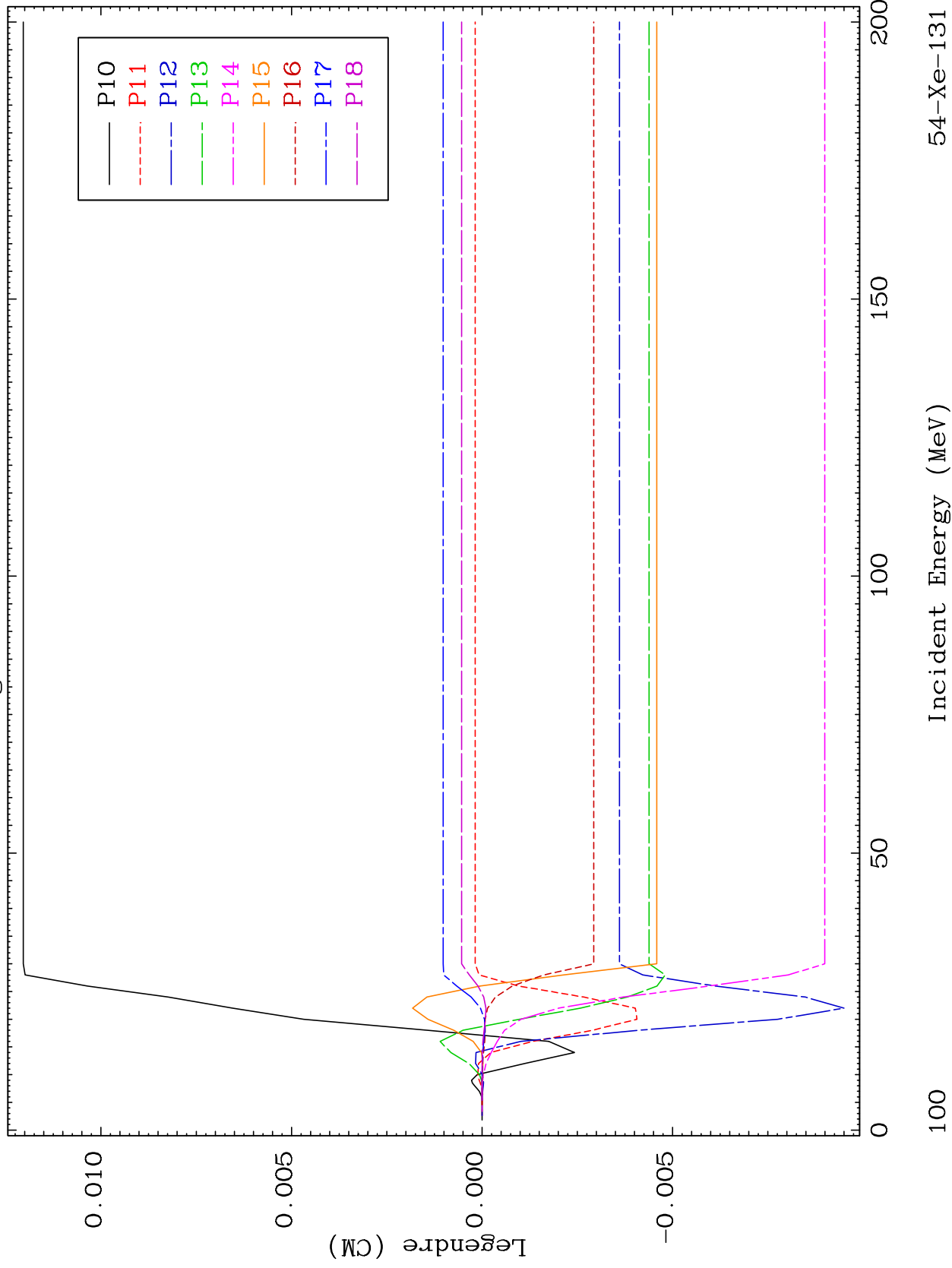
Incident Energy (MeV)

99

MAT 5446

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

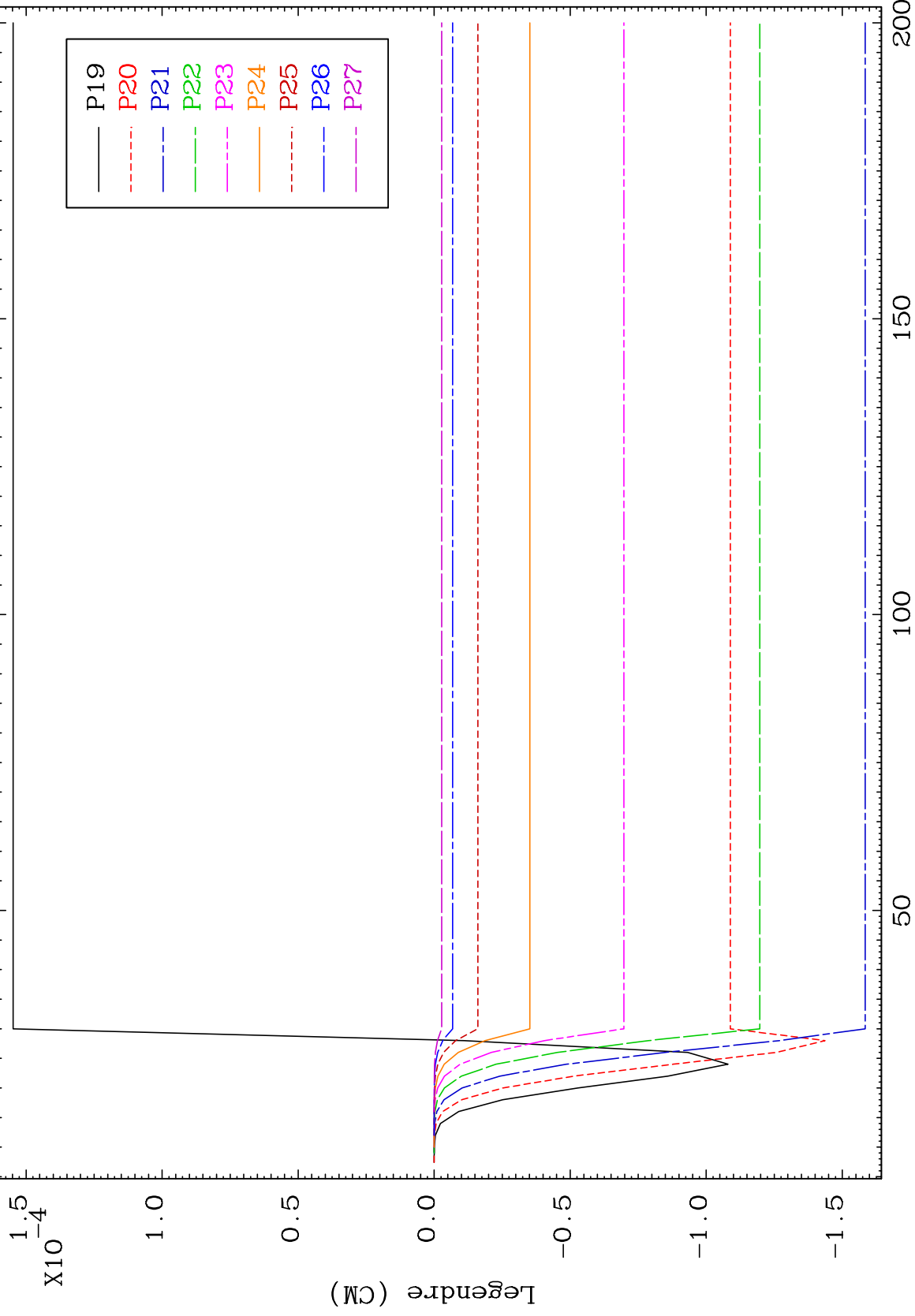
54-Xe-131



MAT 5446

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

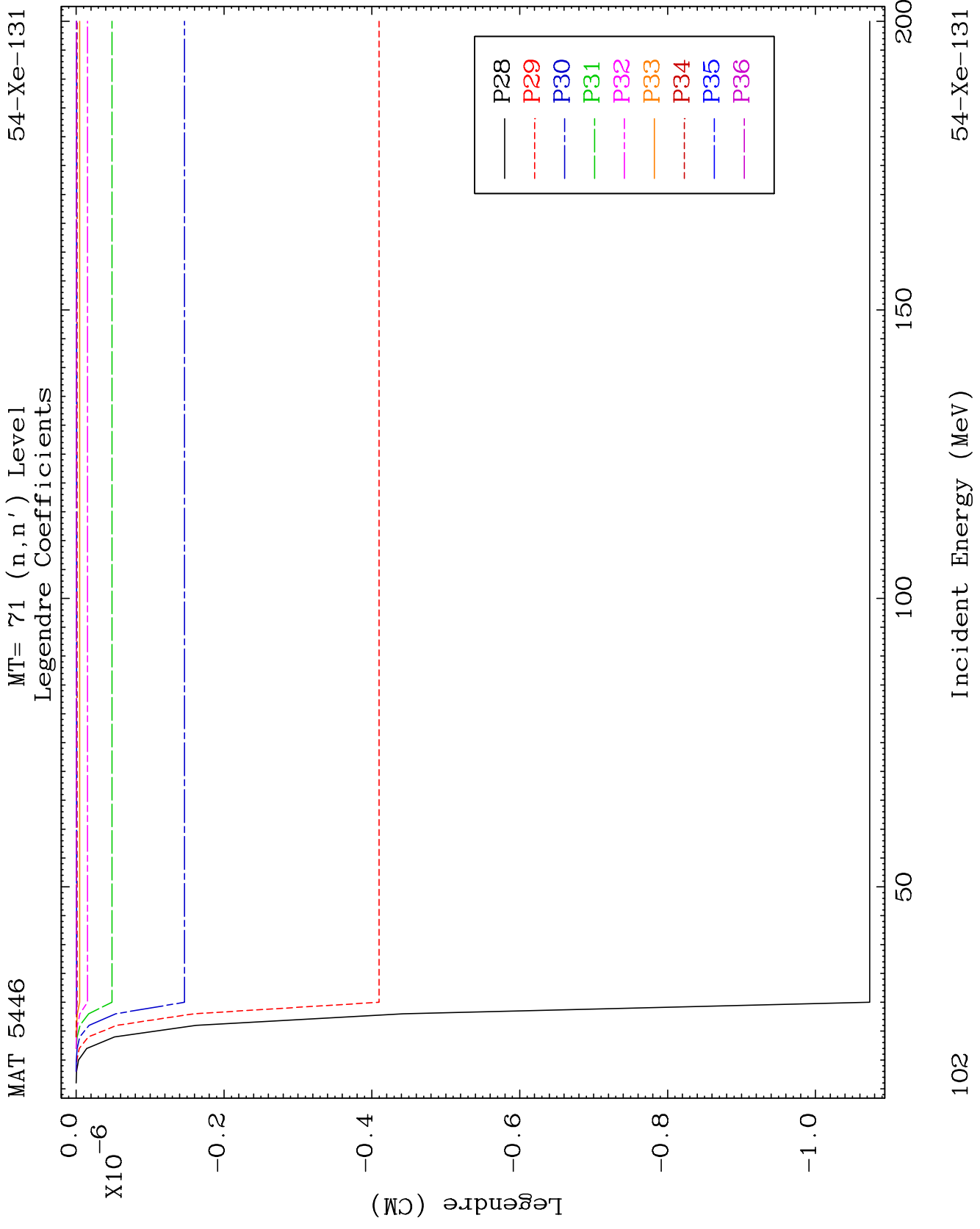
54-Xe-131



101

Incident Energy (MeV)

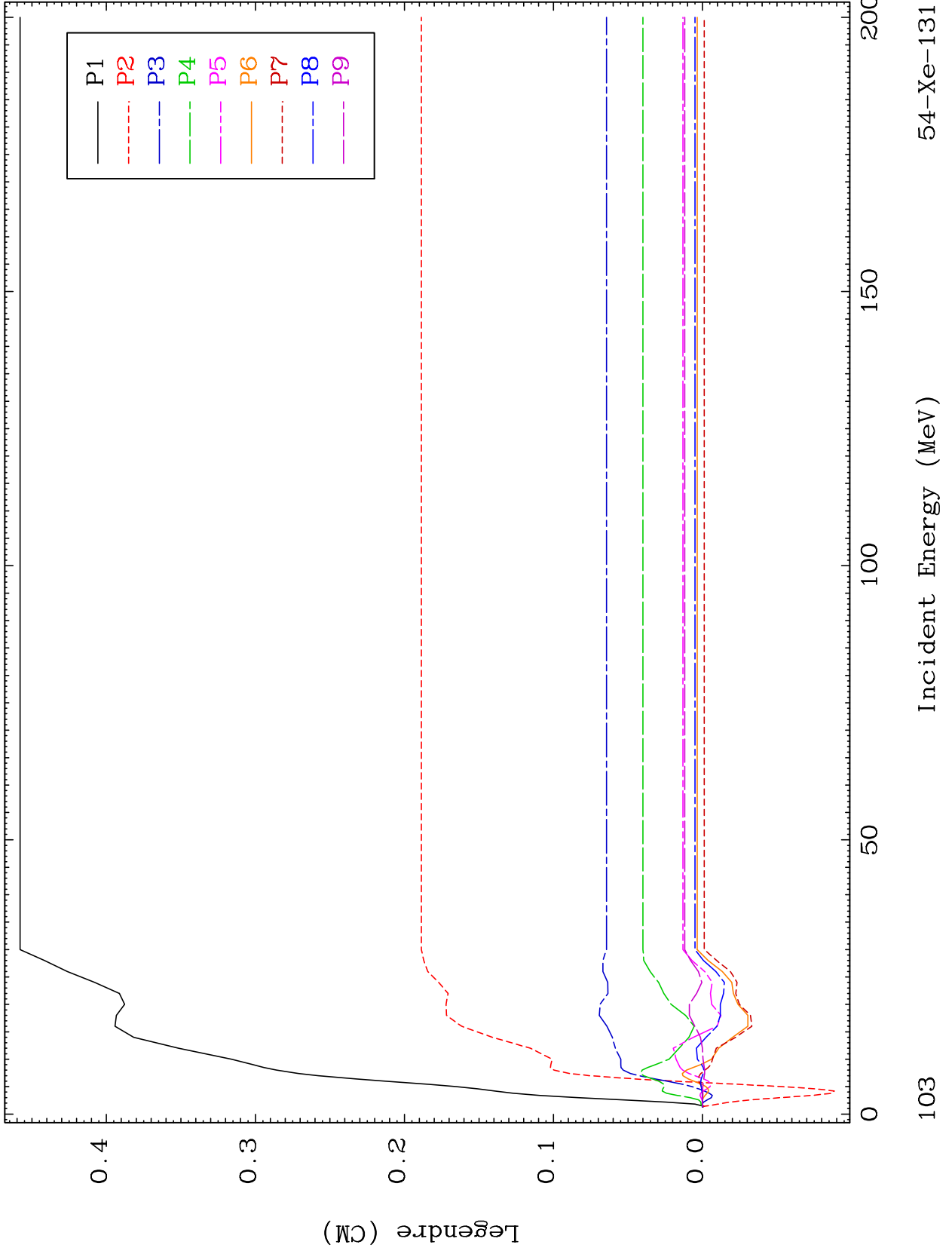
54-Xe-131



MAT 5446

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

54-Xe-131



54-Xe-131

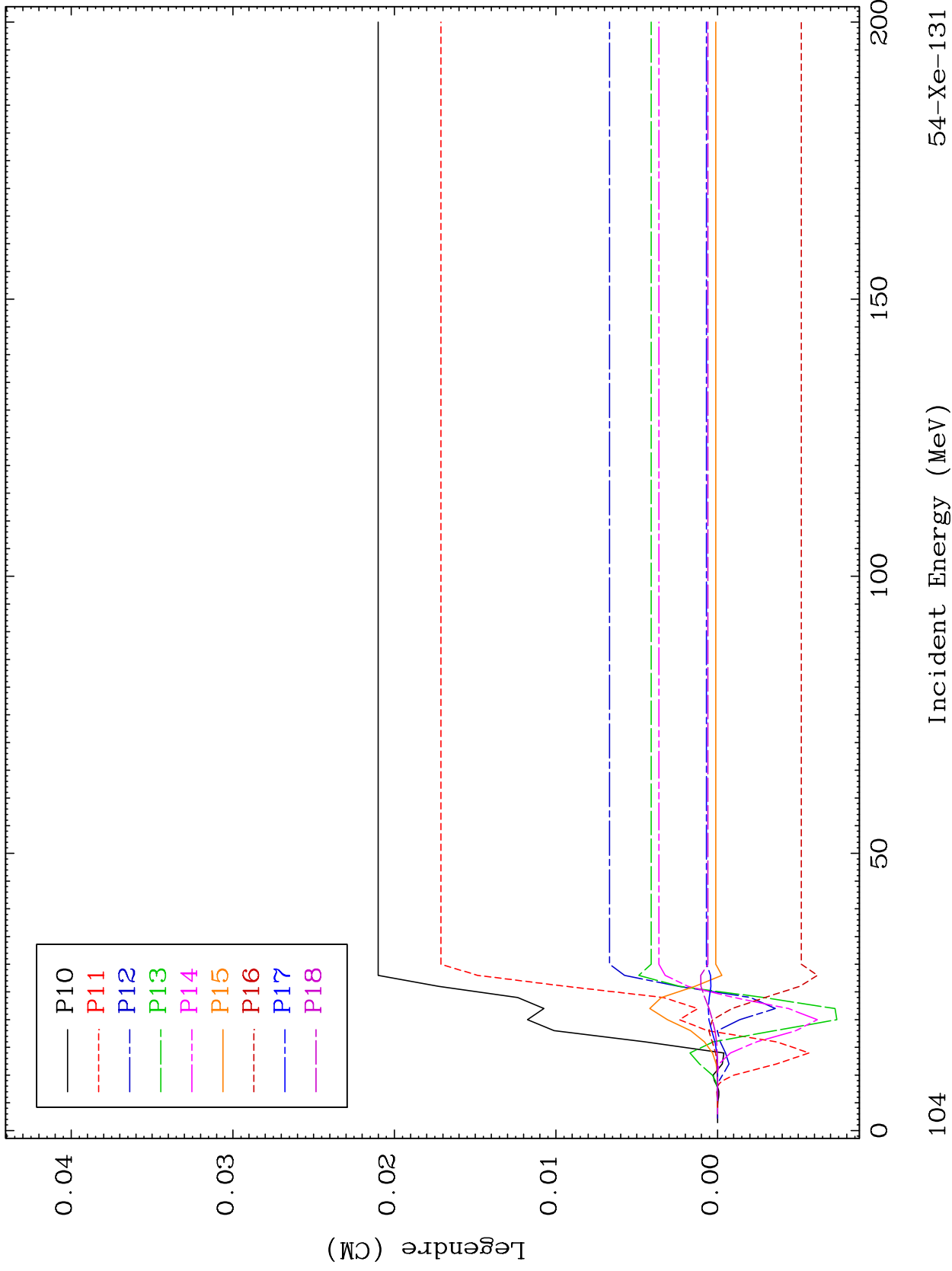
Incident Energy (MeV)

103

MAT 5446

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

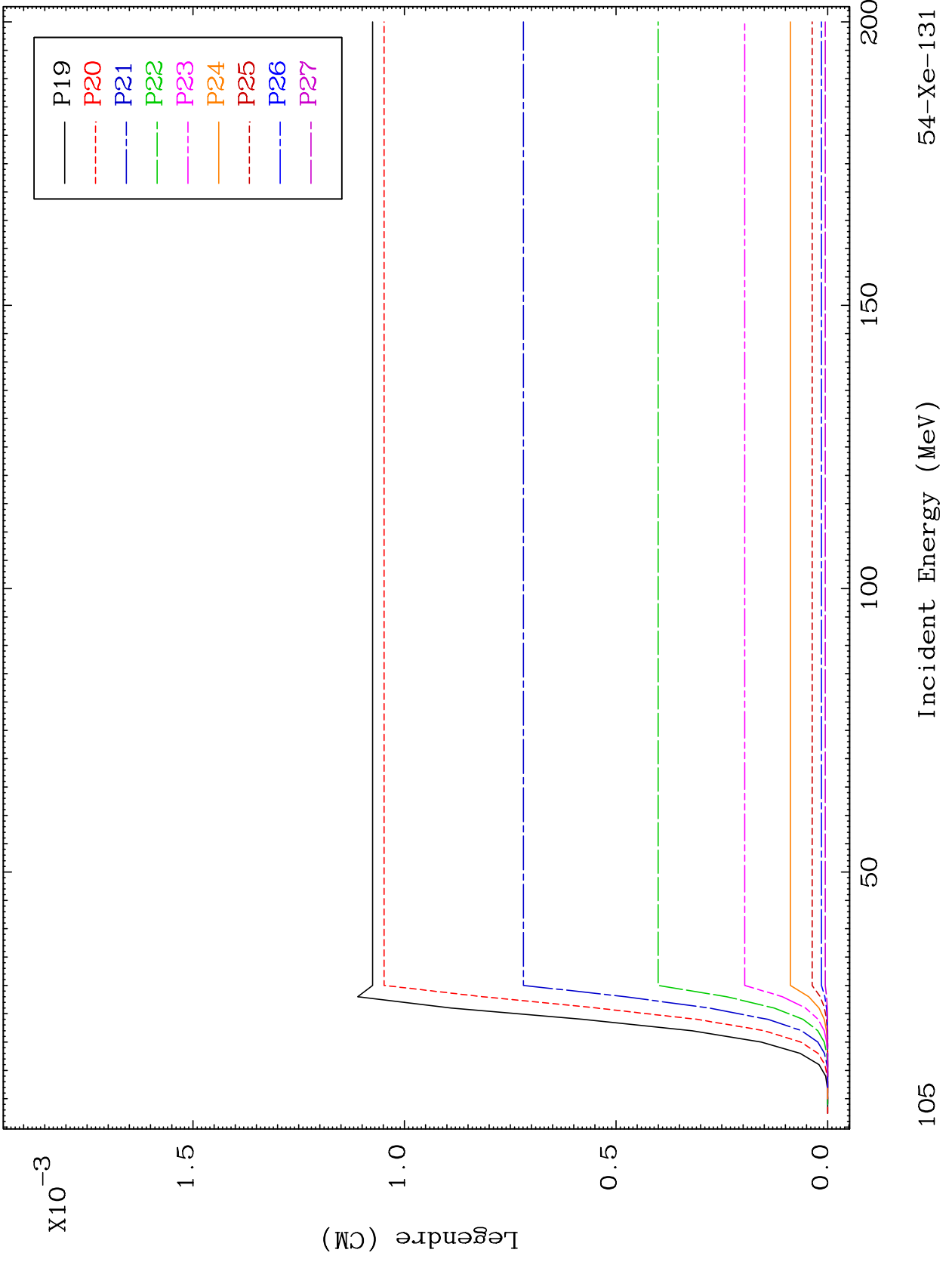
54-Xe-131



MAT 5446

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

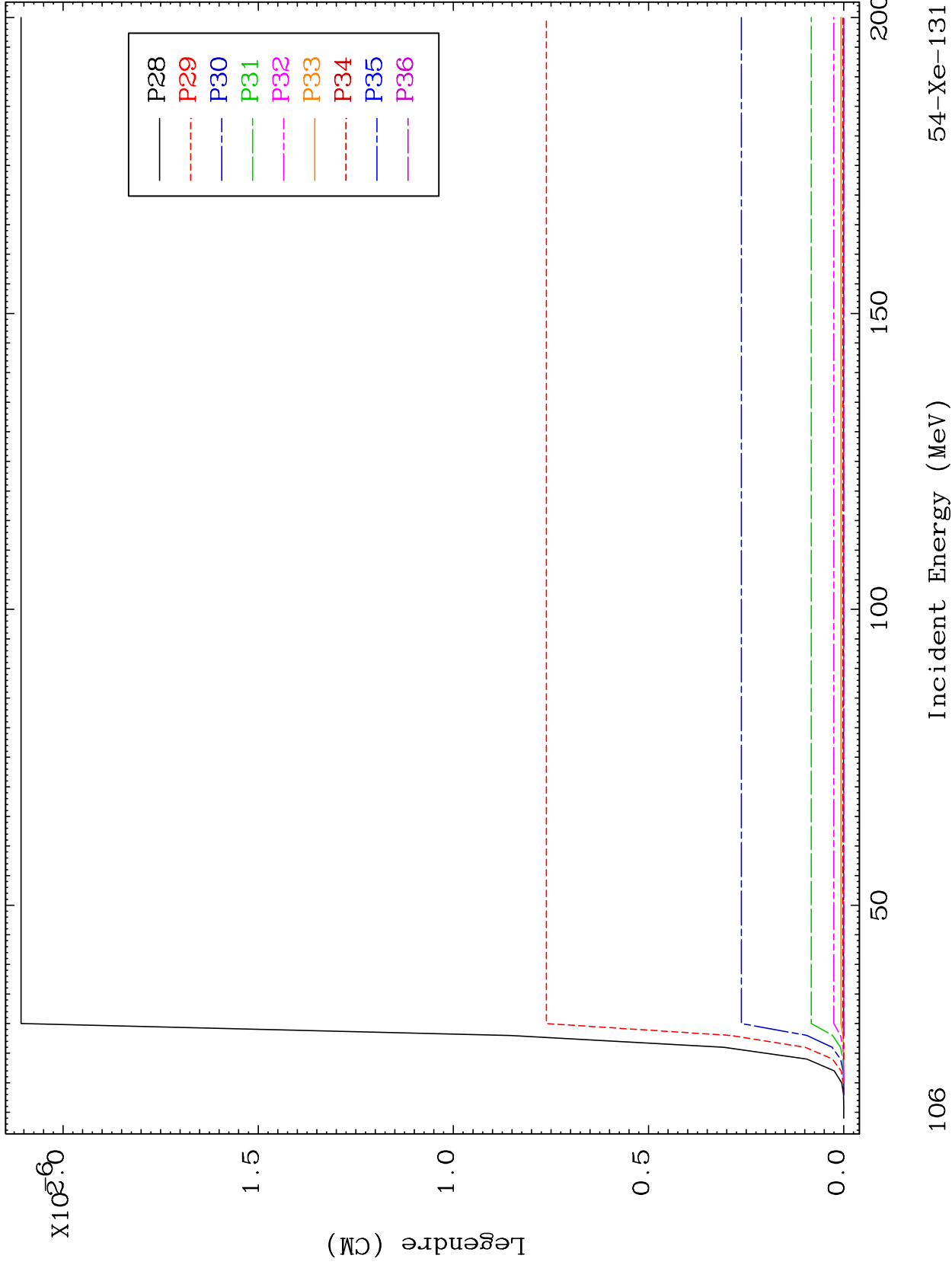
54-Xe-131



MAT 5446

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

54-Xe-131



106

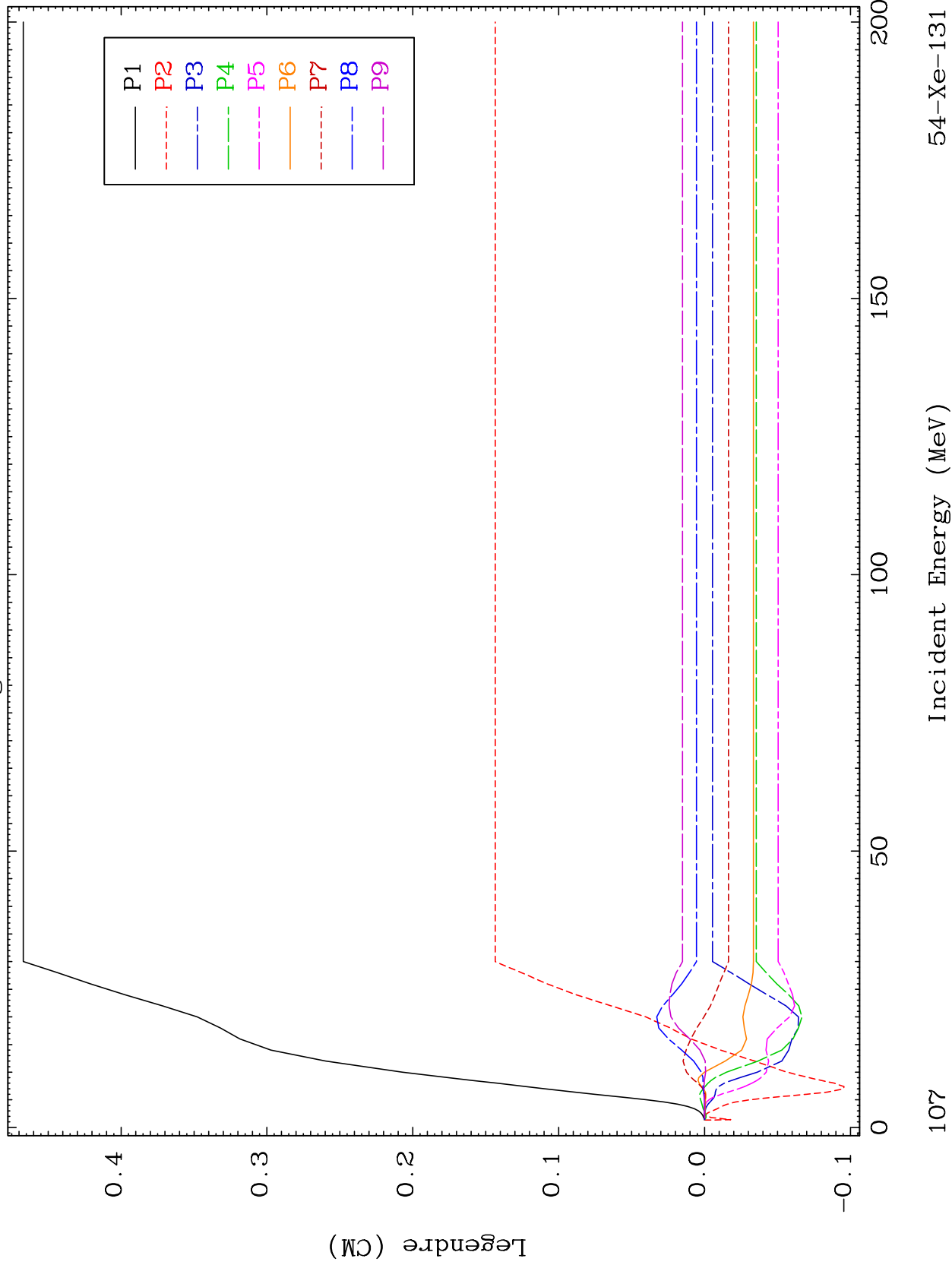
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



54-Xe-131

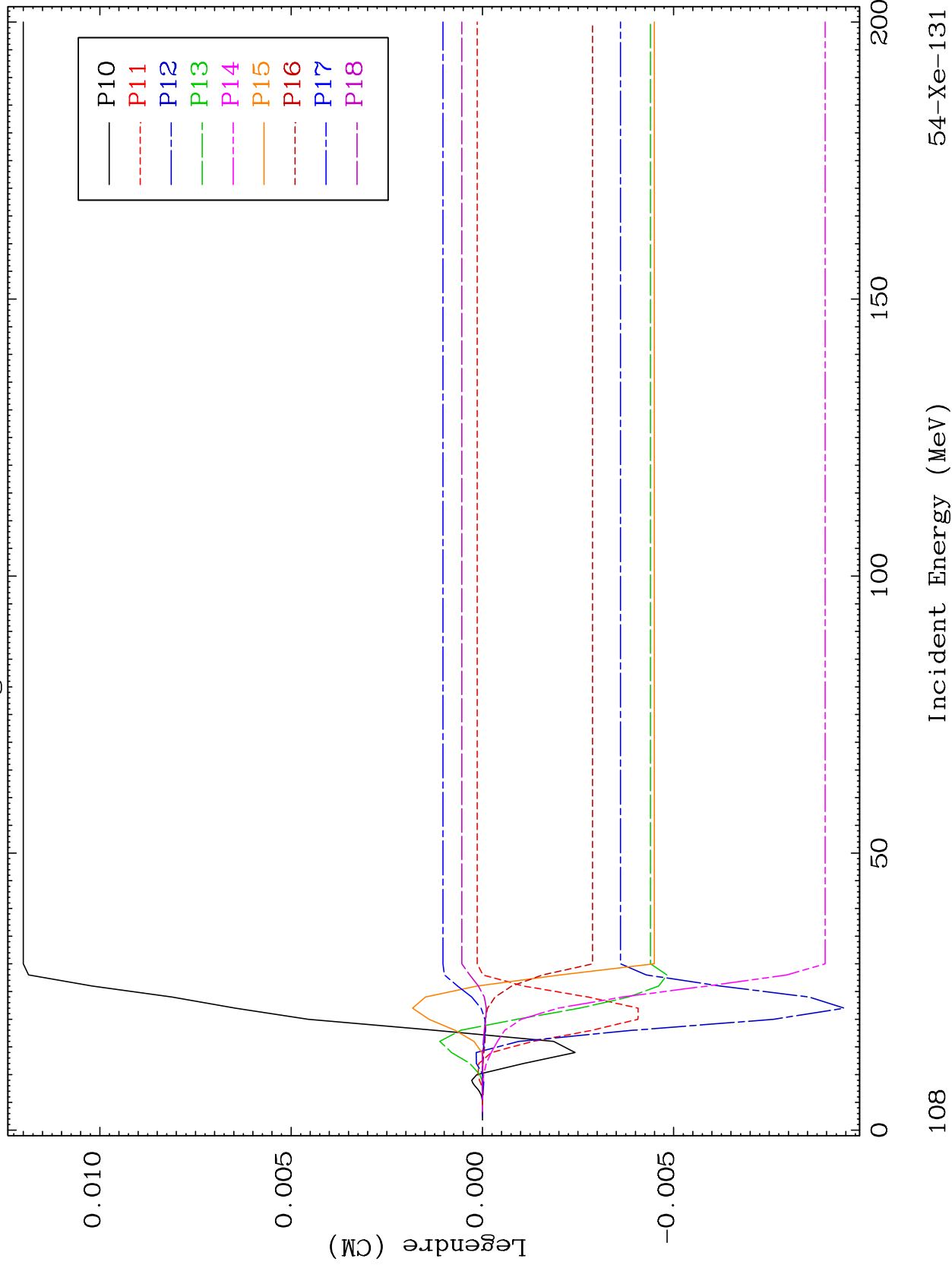
Incident Energy (MeV)

107

MAT 5446

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

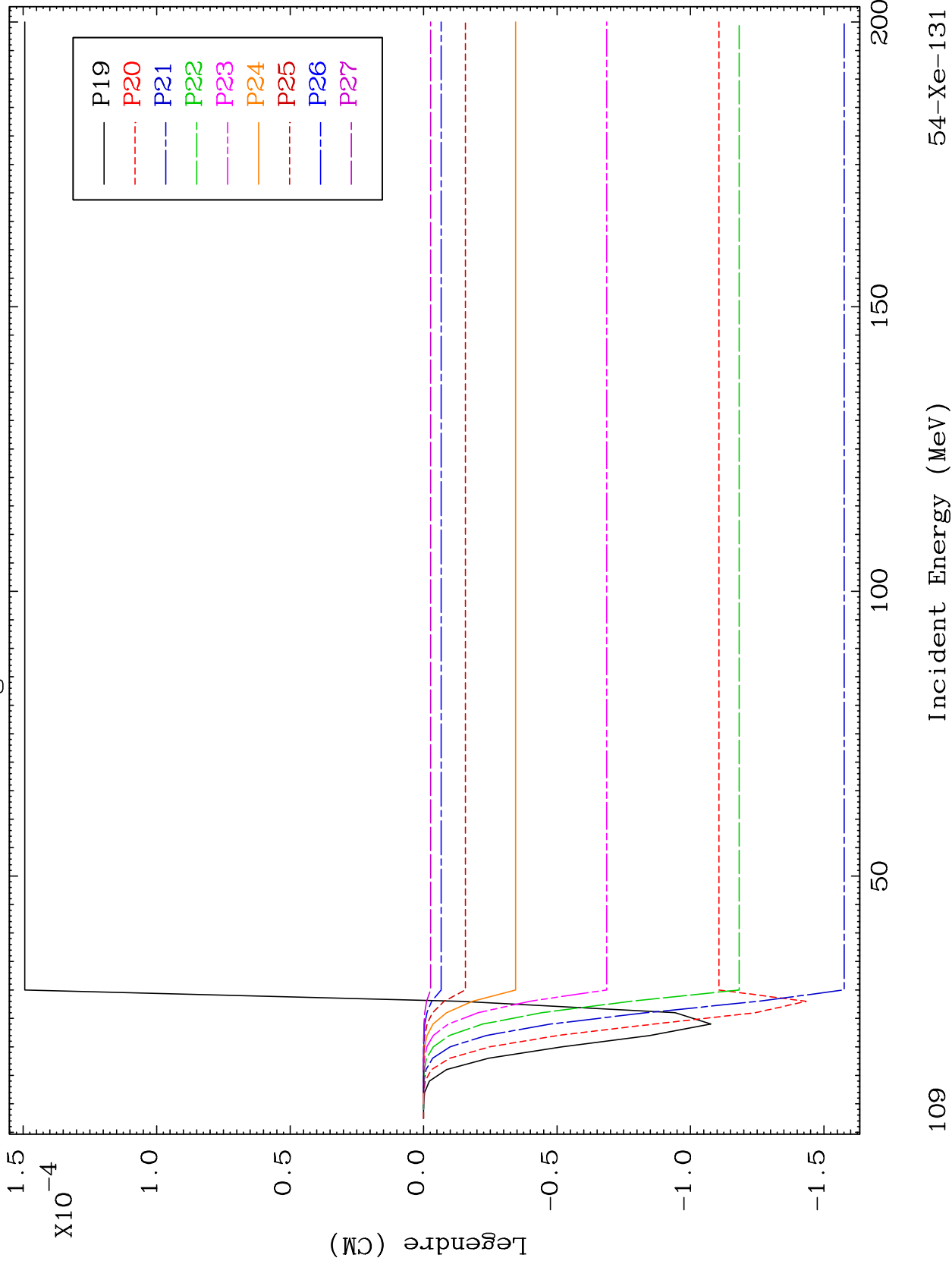
54-Xe-131

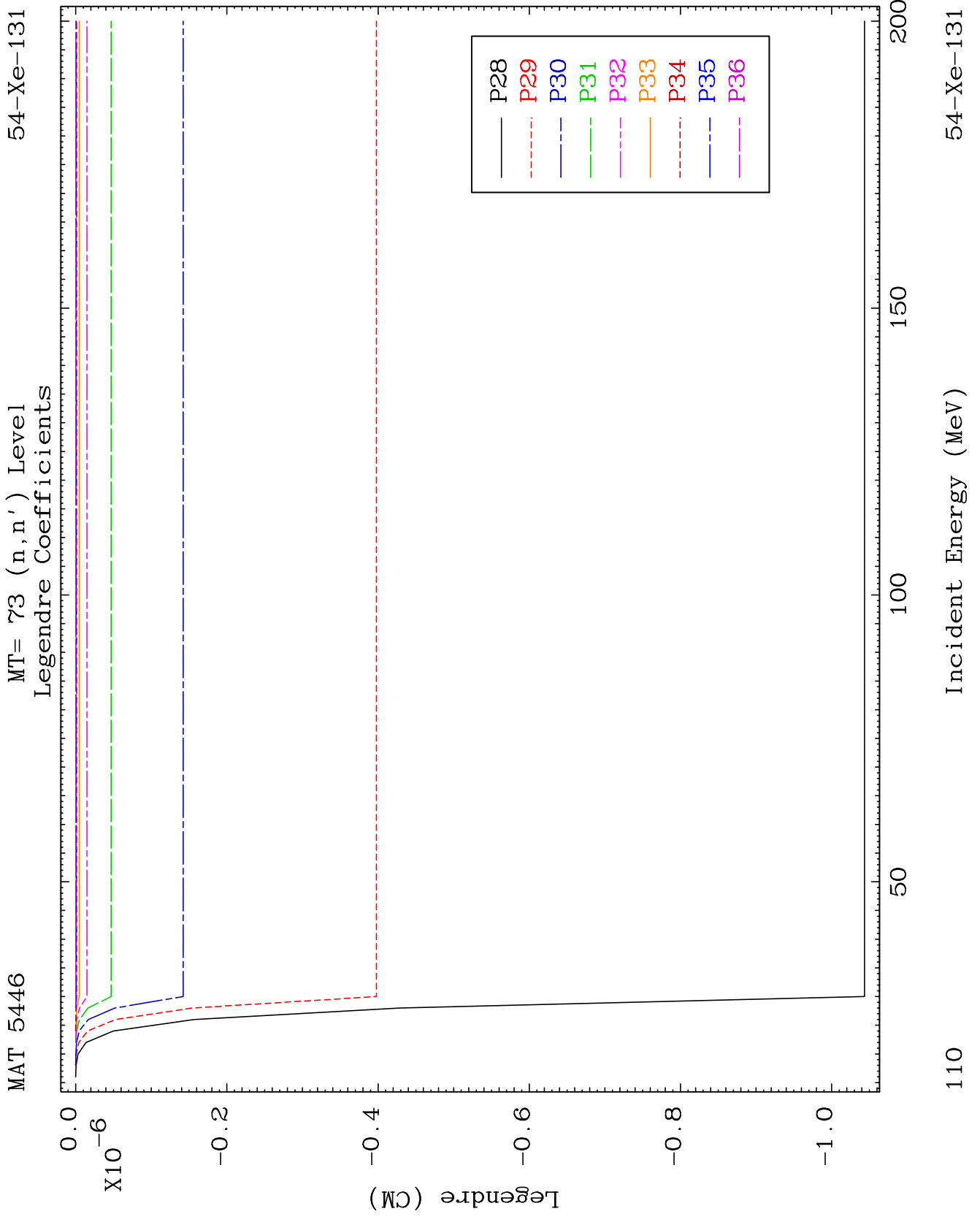


54-Xe-131

Incident Energy (MeV)

108

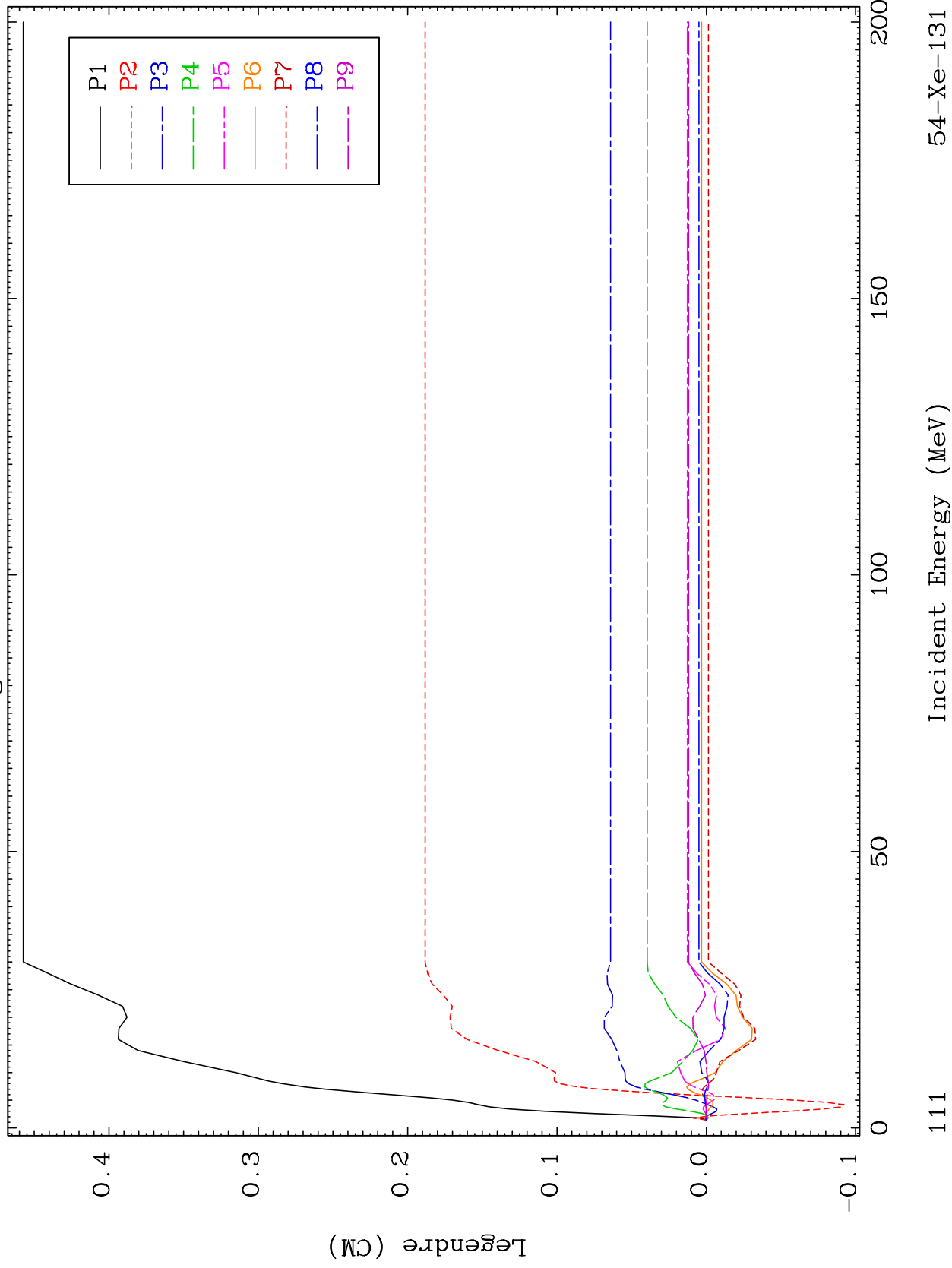




MAT 5446

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

54-Xe-131



54-Xe-131

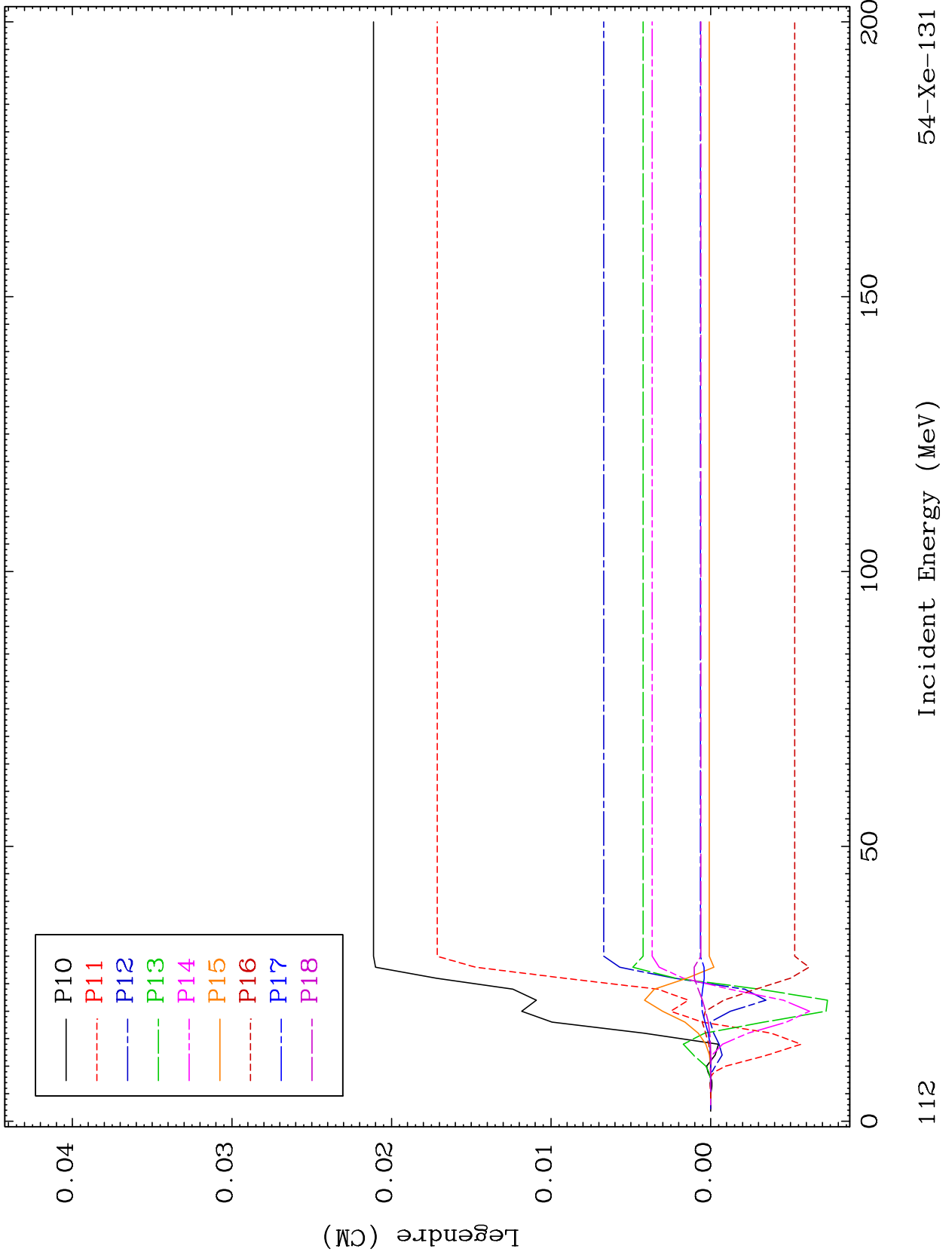
Incident Energy (MeV)

111

MAT 5446

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

54-Xe-131



112

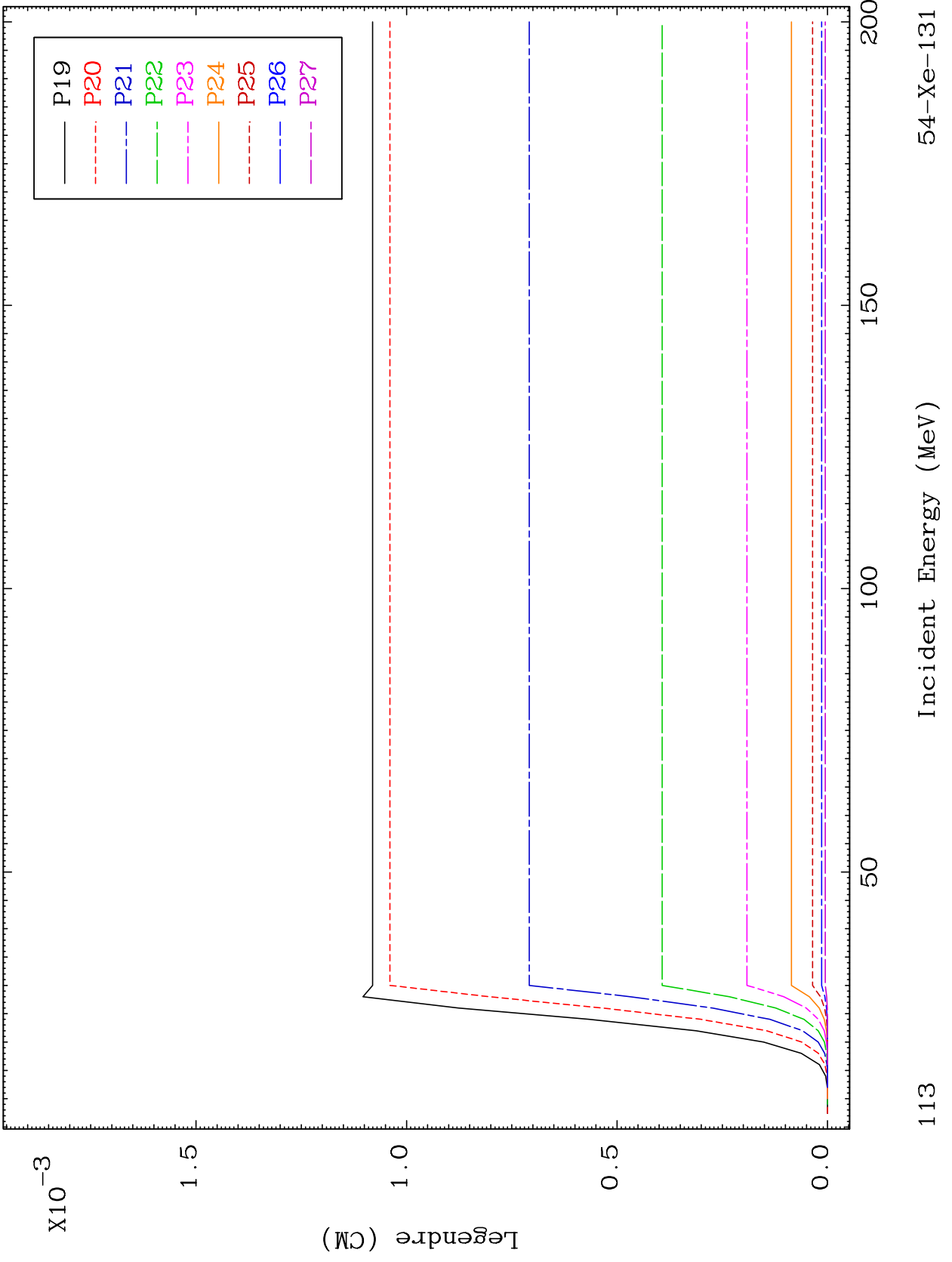
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131

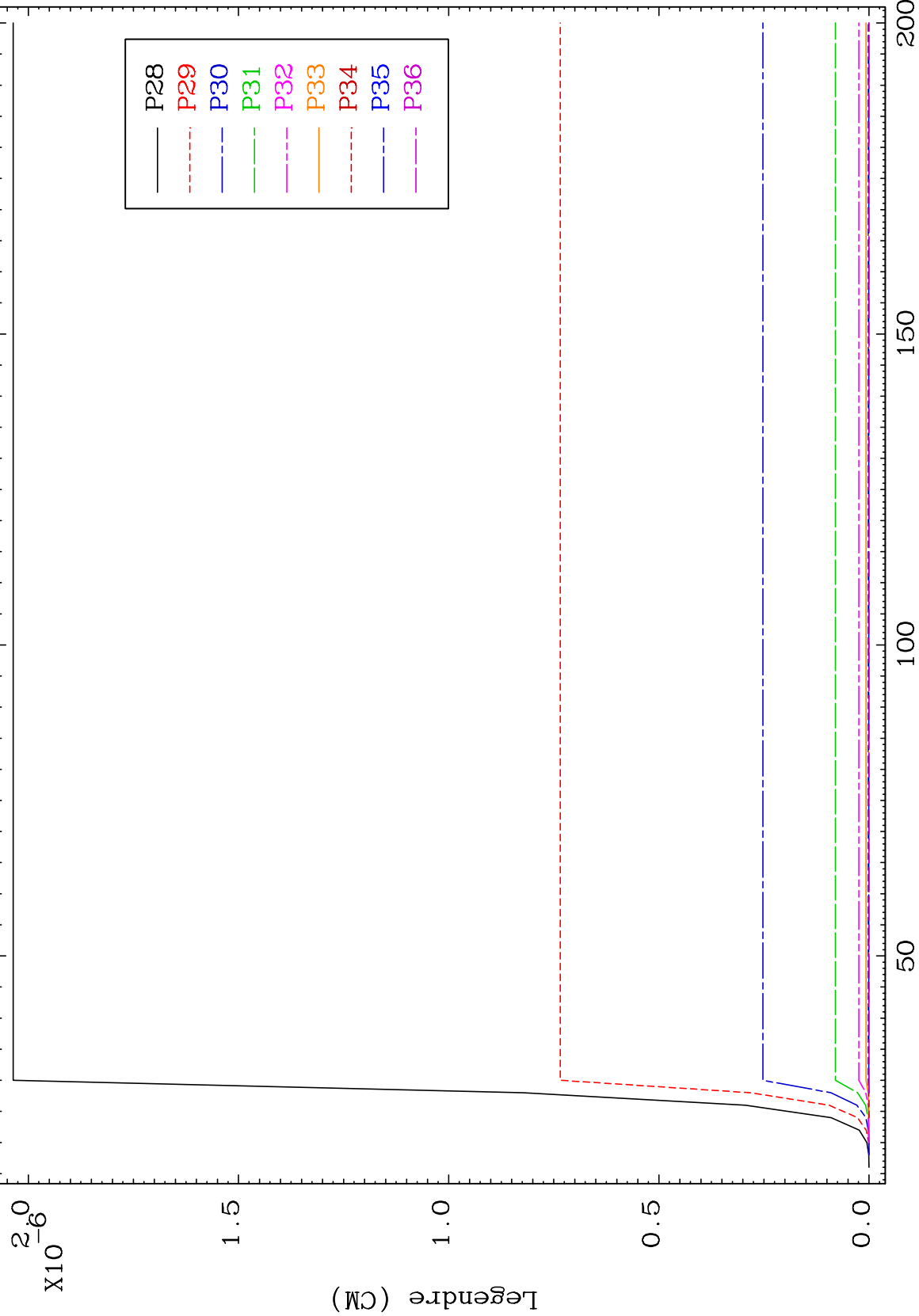


113

MAT 5446

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

54-Xe-131



114

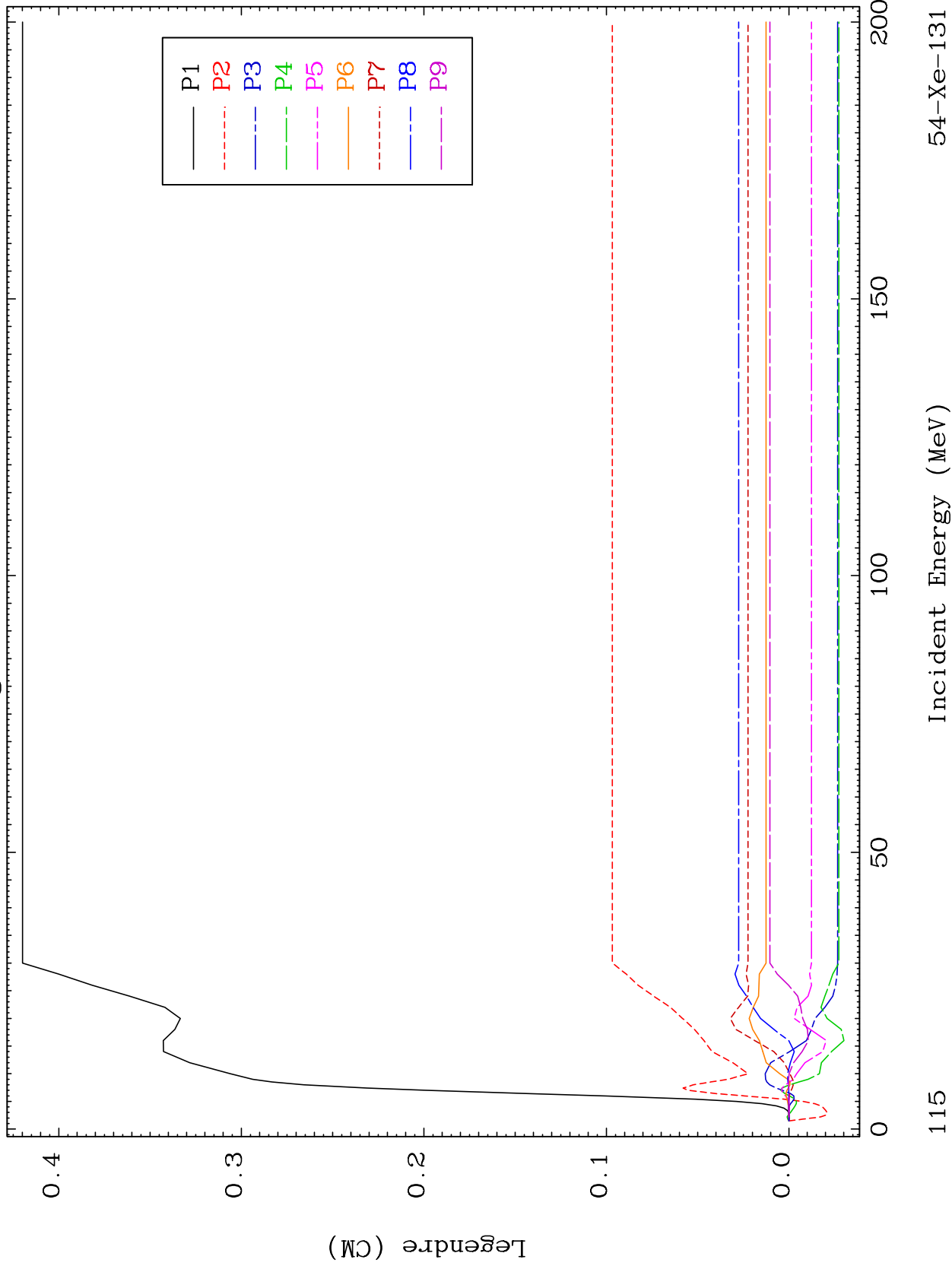
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

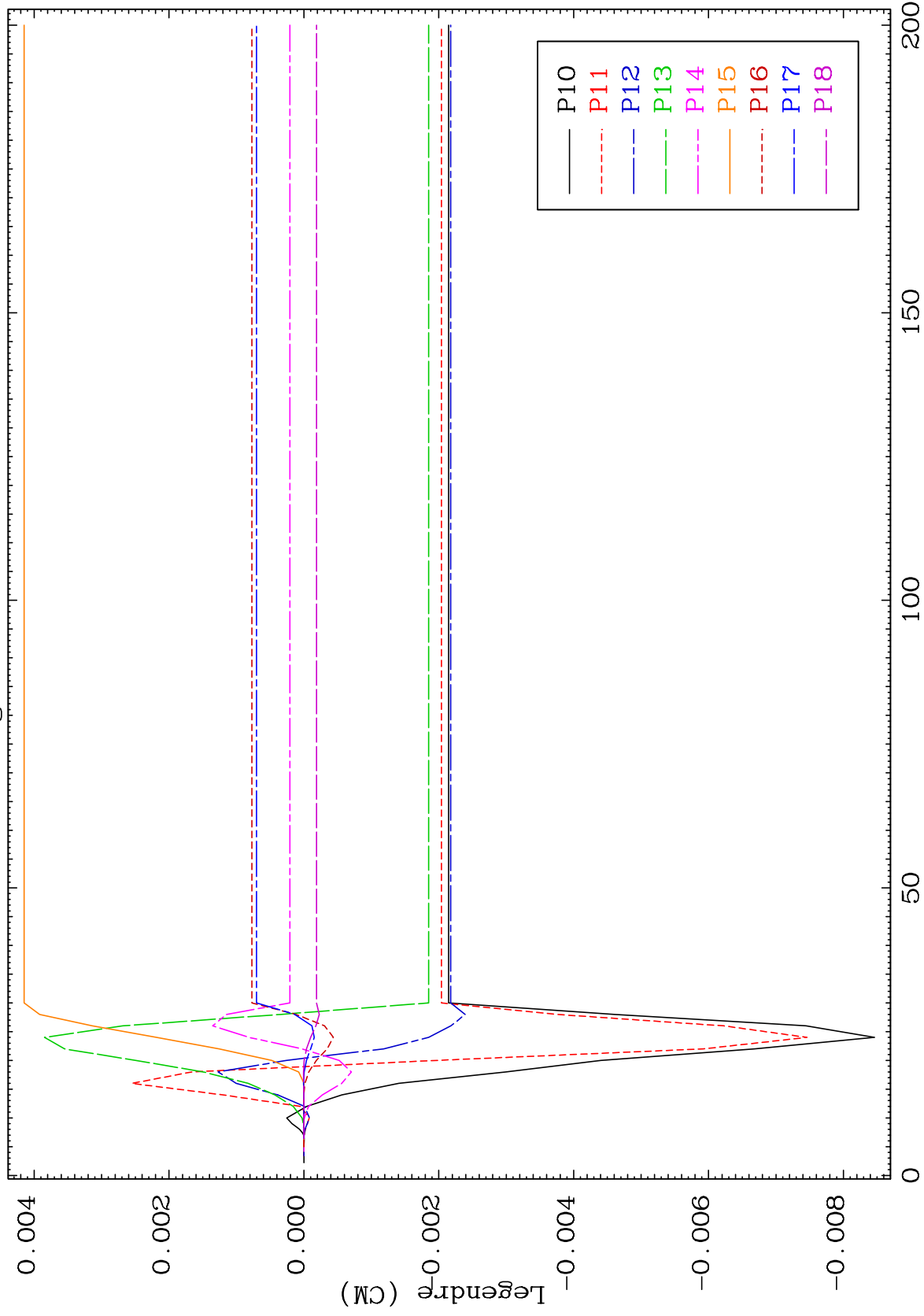
54-Xe-131



MAT 5446

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

54-Xe-131



116

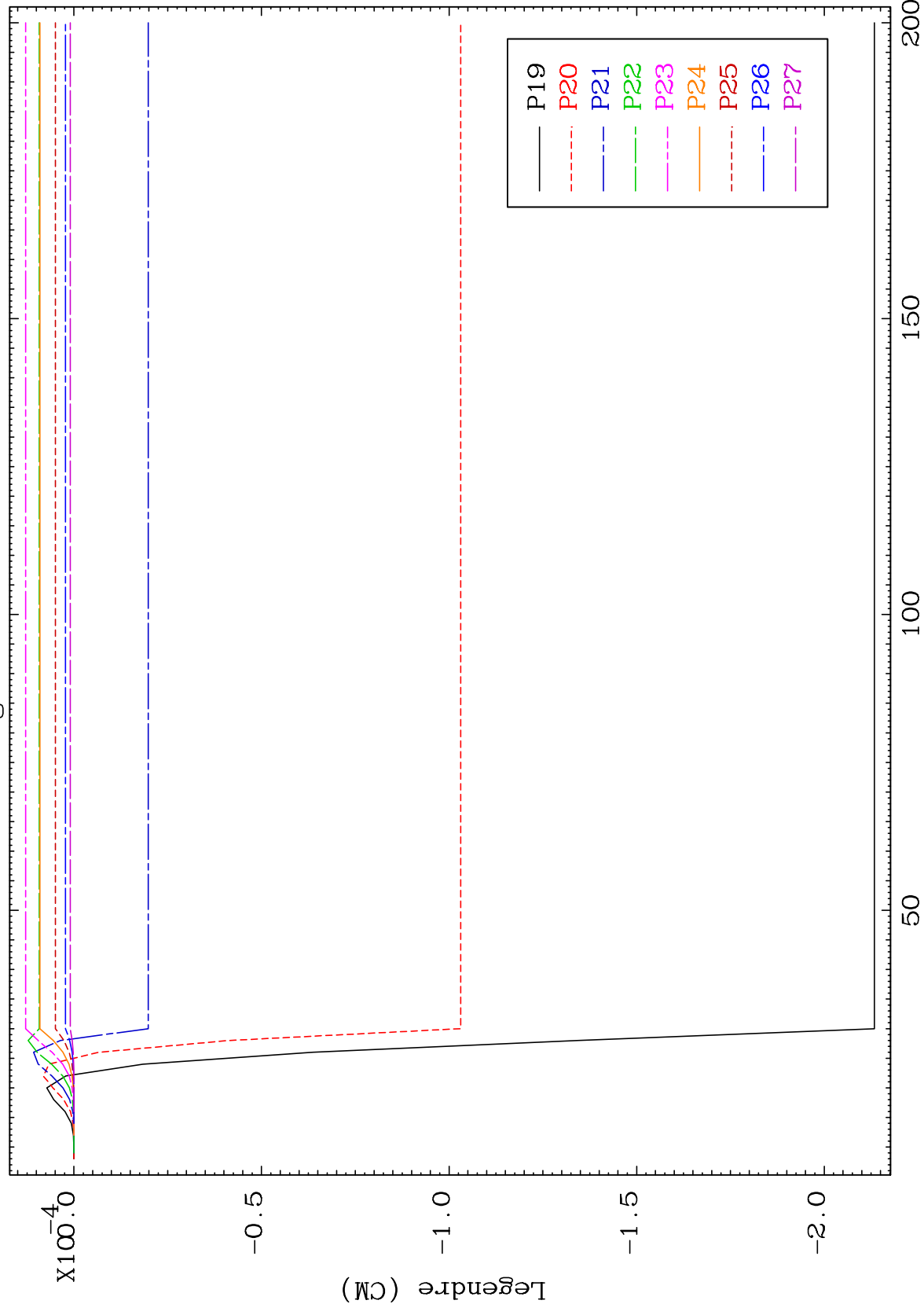
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



117

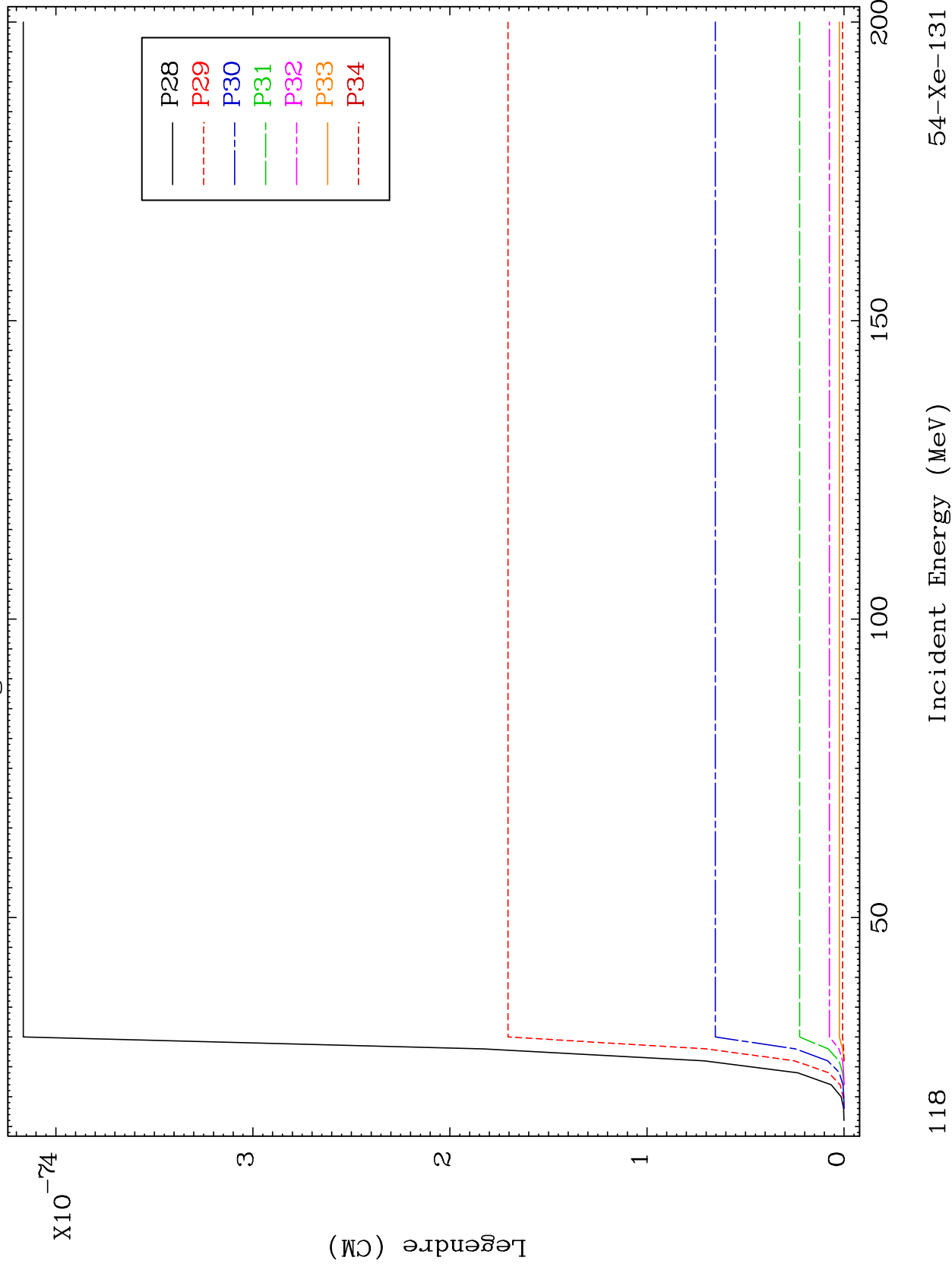
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

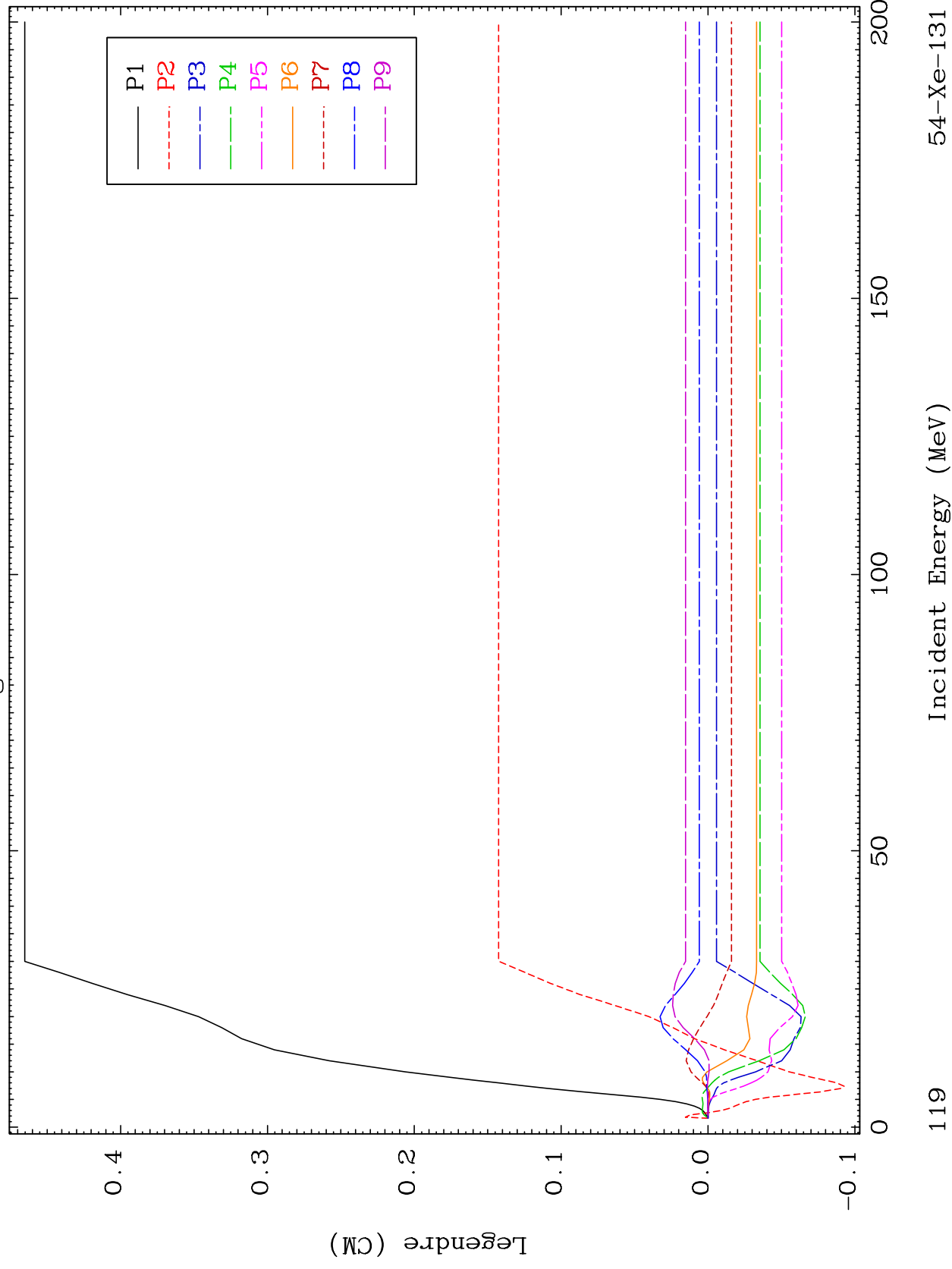
54-Xe-131



MAT 5446

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

54-Xe-131



54-Xe-131

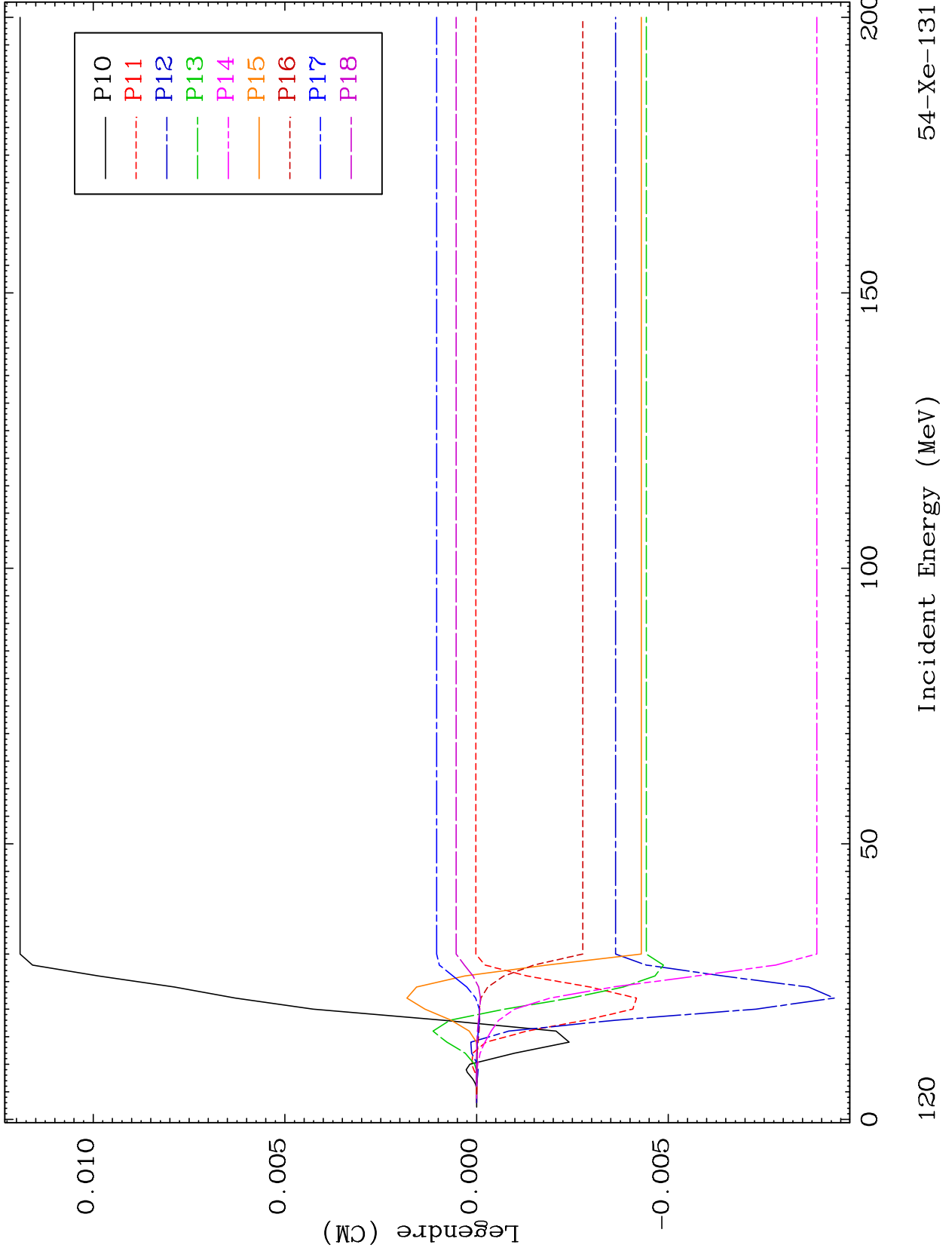
Incident Energy (MeV)

119

MAT 5446

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

54-Xe-131



54-Xe-131

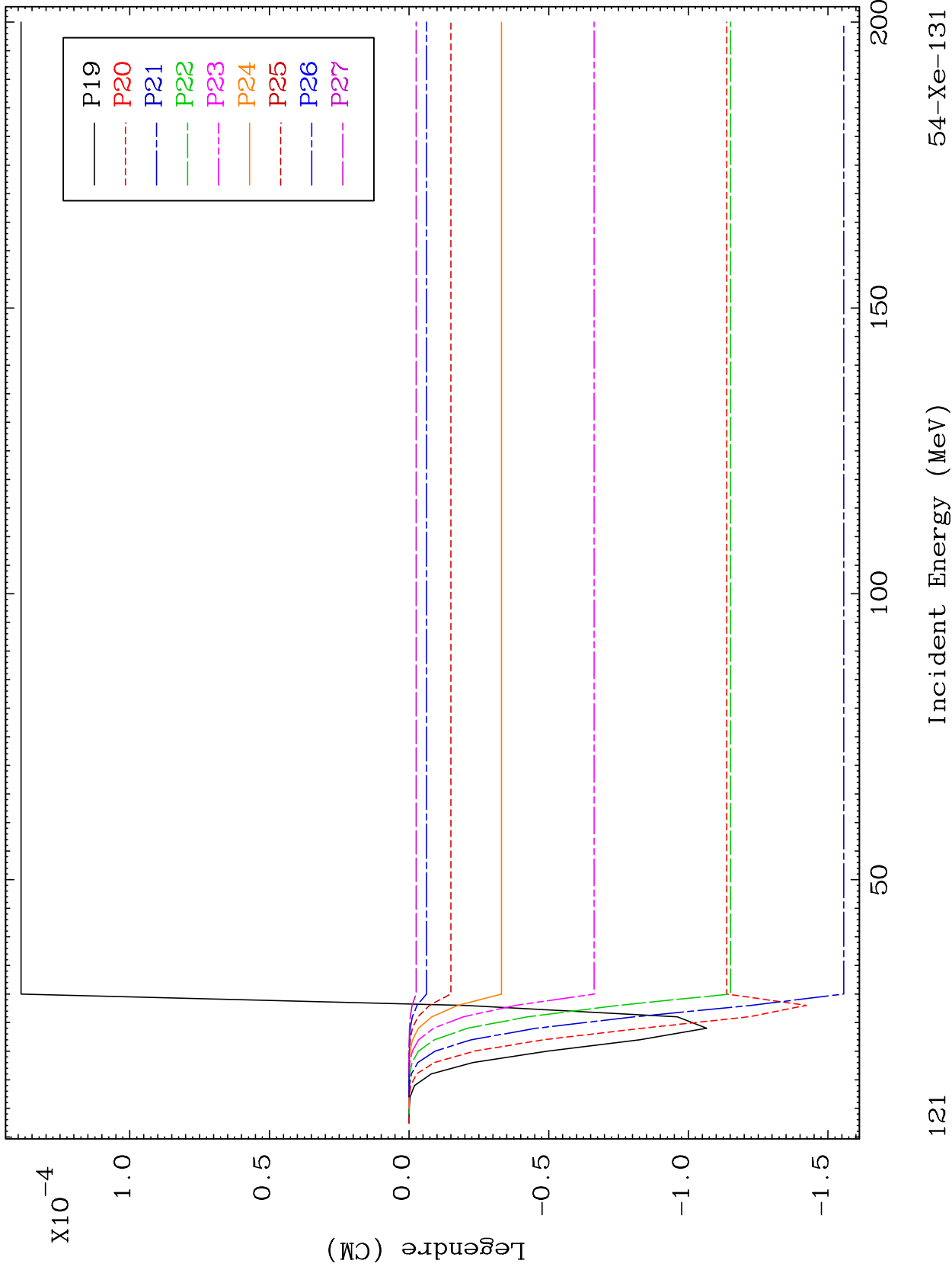
Incident Energy (MeV)

120

MAT 5446

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

54-Xe-131



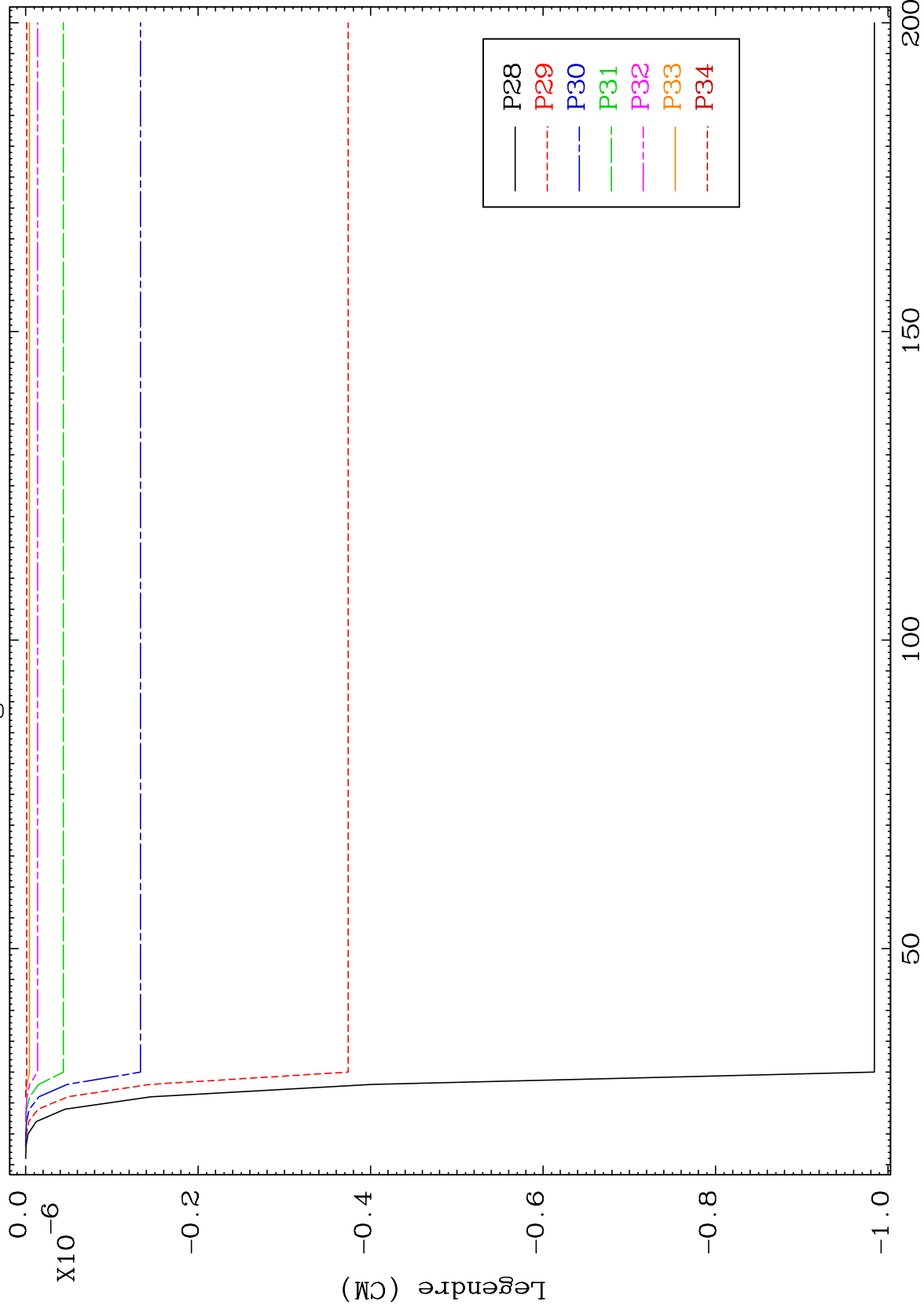
121

MAT 5446

MT= 76 (n,n') Level

54-Xe-131

Legendre Coefficients



122

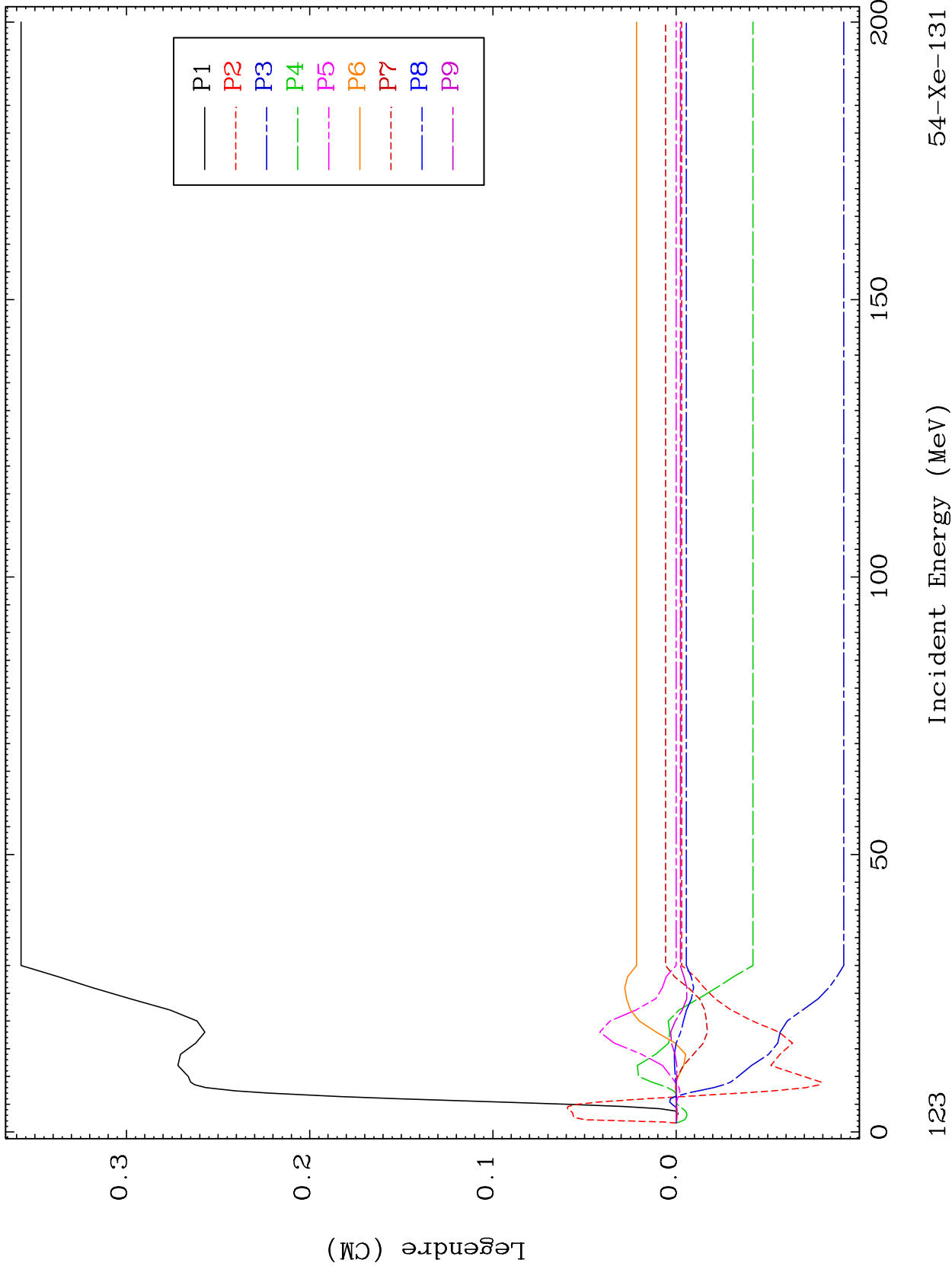
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



54-Xe-131

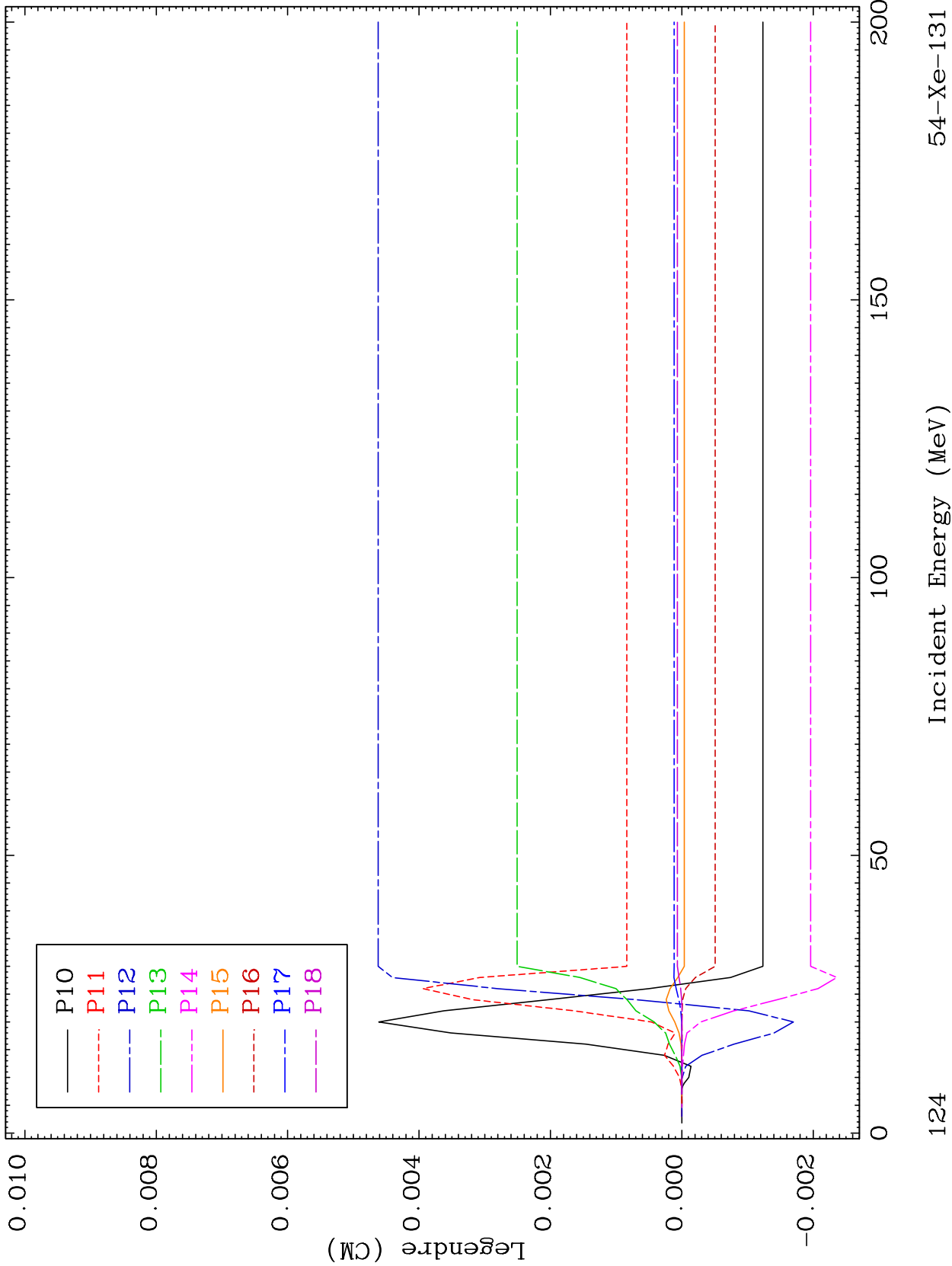
Incident Energy (MeV)

123

MAT 5446

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

54-Xe-131



124

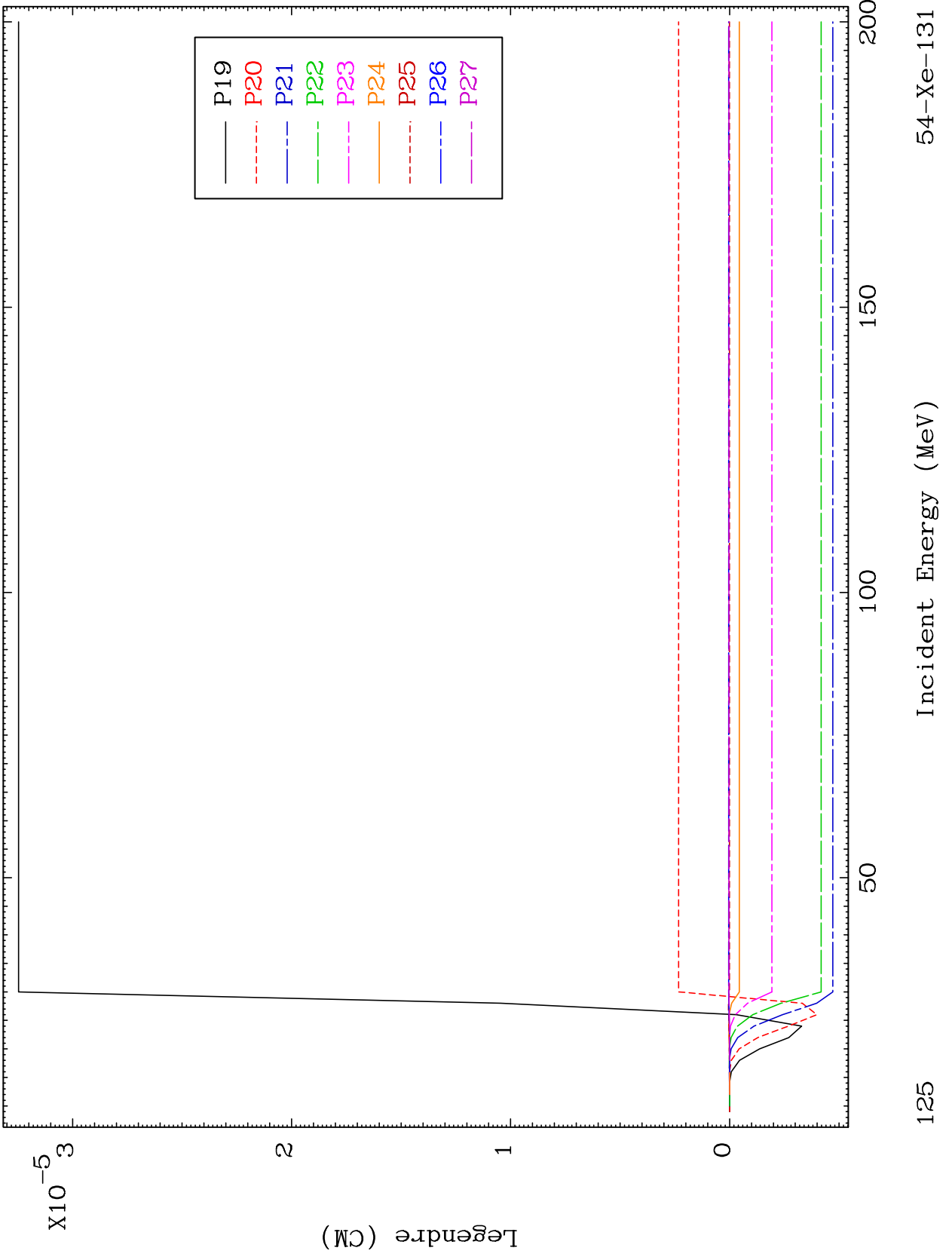
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131

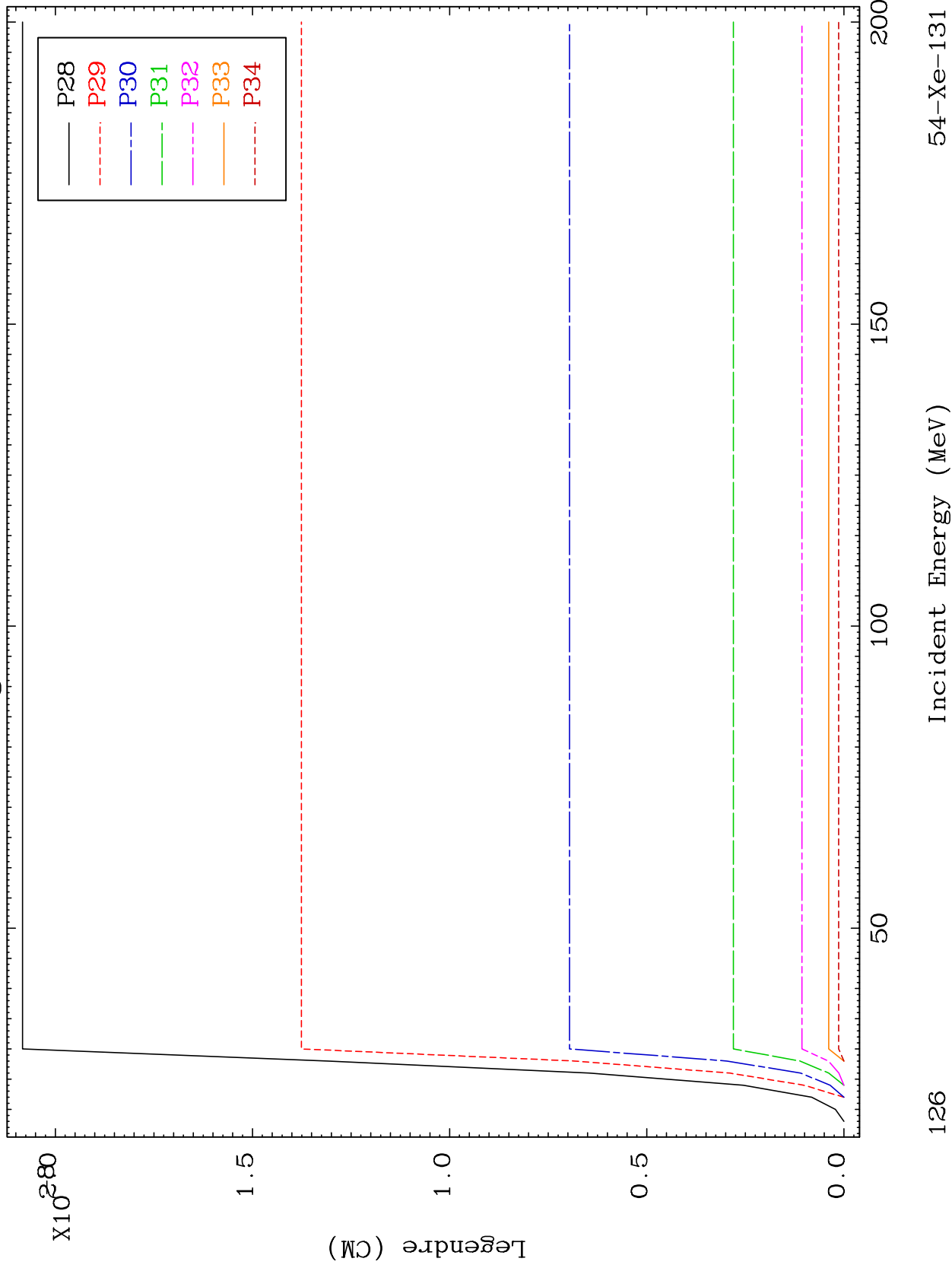


125

MAT 5446

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

54-Xe-131

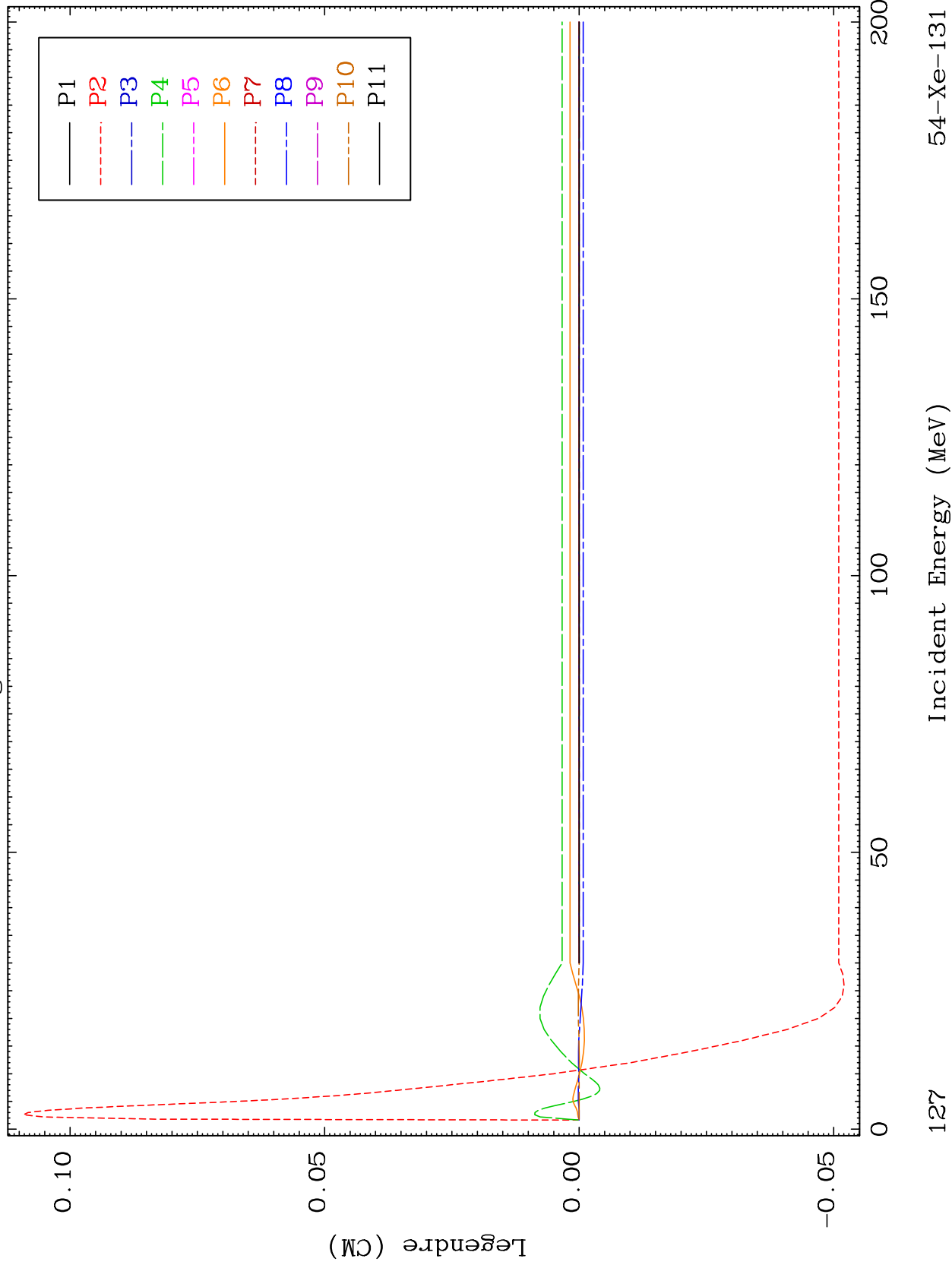


126

MAT 5446

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

54-Xe-131



127

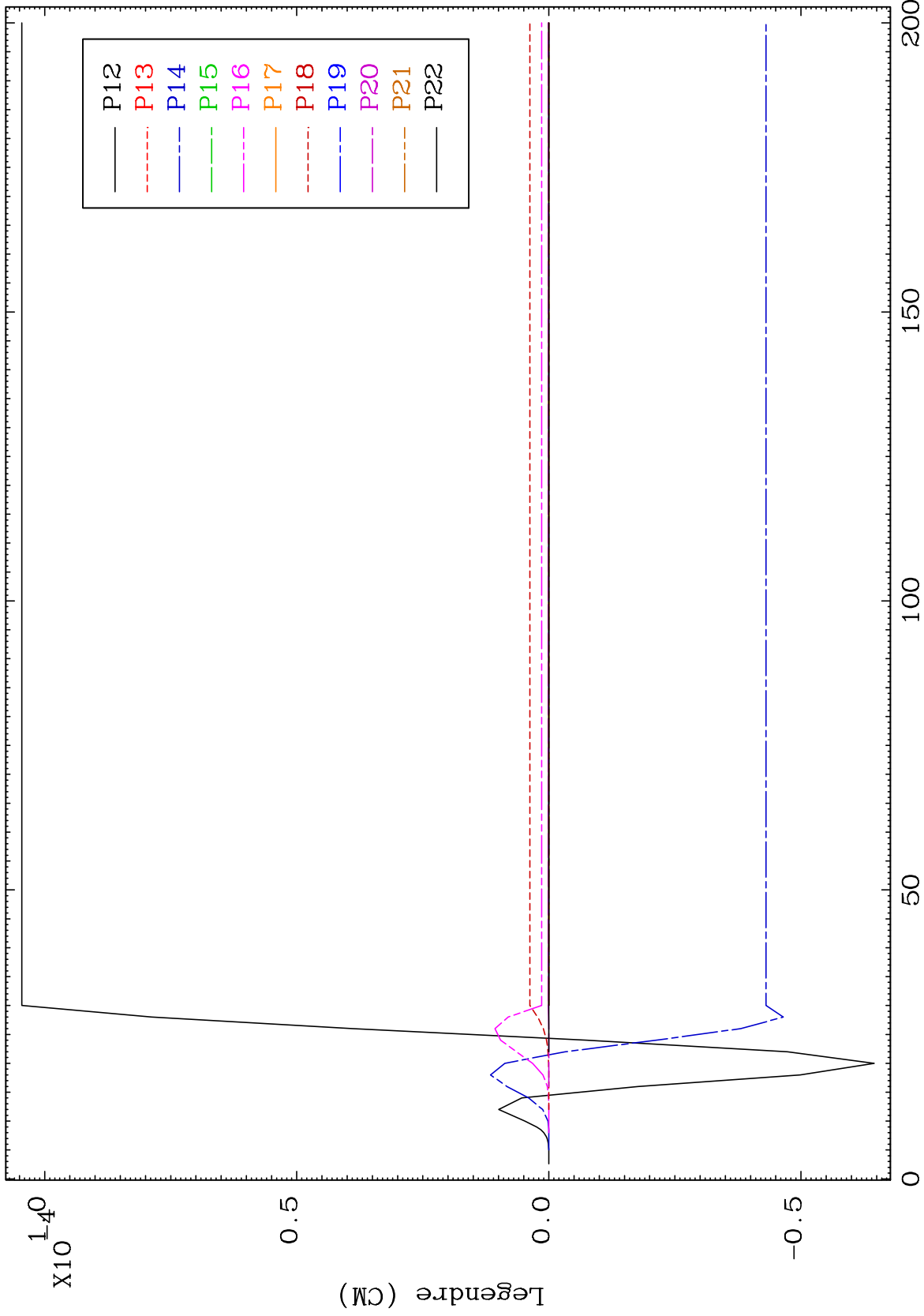
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



128

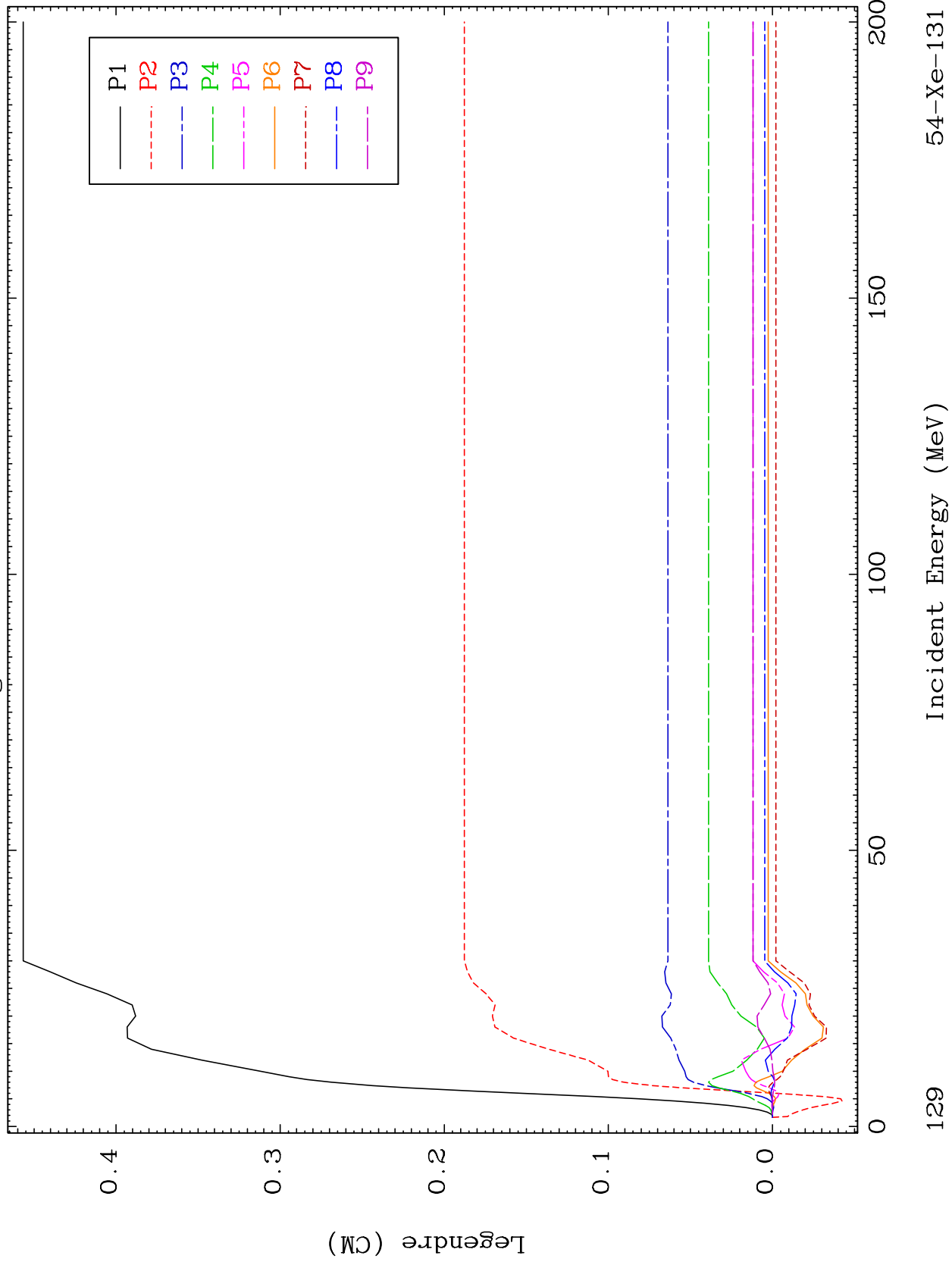
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



54-Xe-131

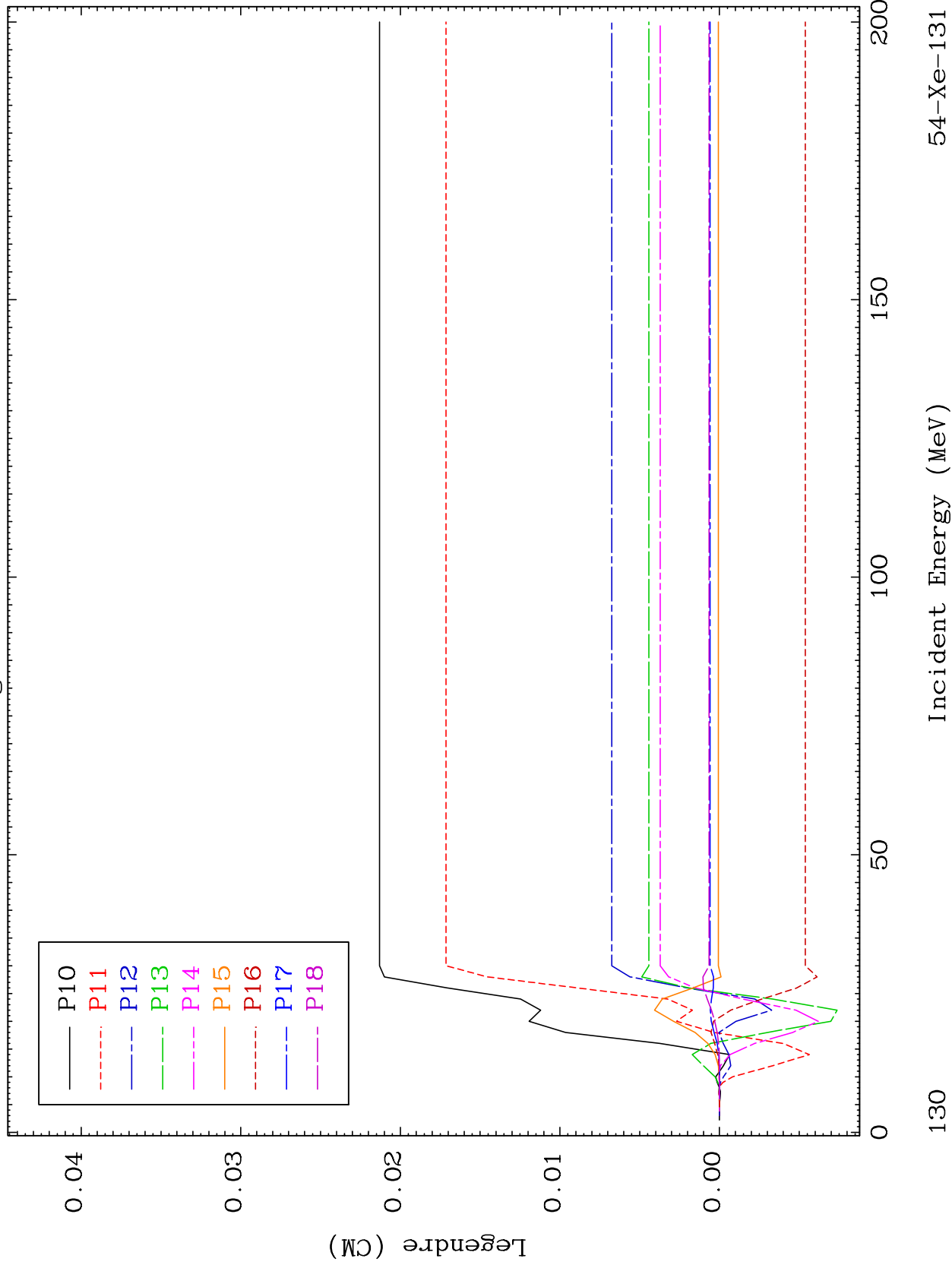
Incident Energy (MeV)

129

MAT 5446

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

54-Xe-131



54-Xe-131

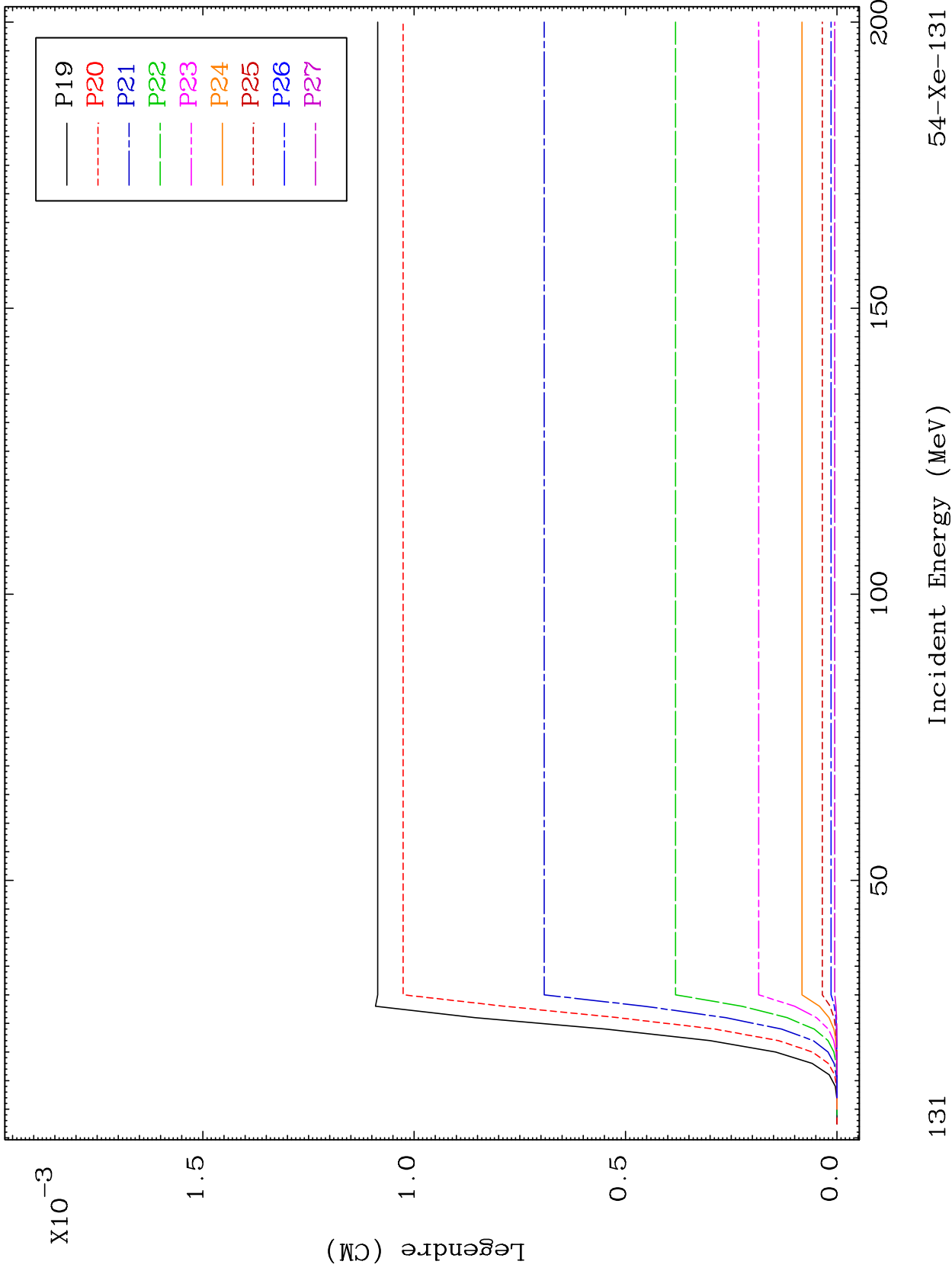
Incident Energy (MeV)

130

MAT 5446

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

54-Xe-131



131

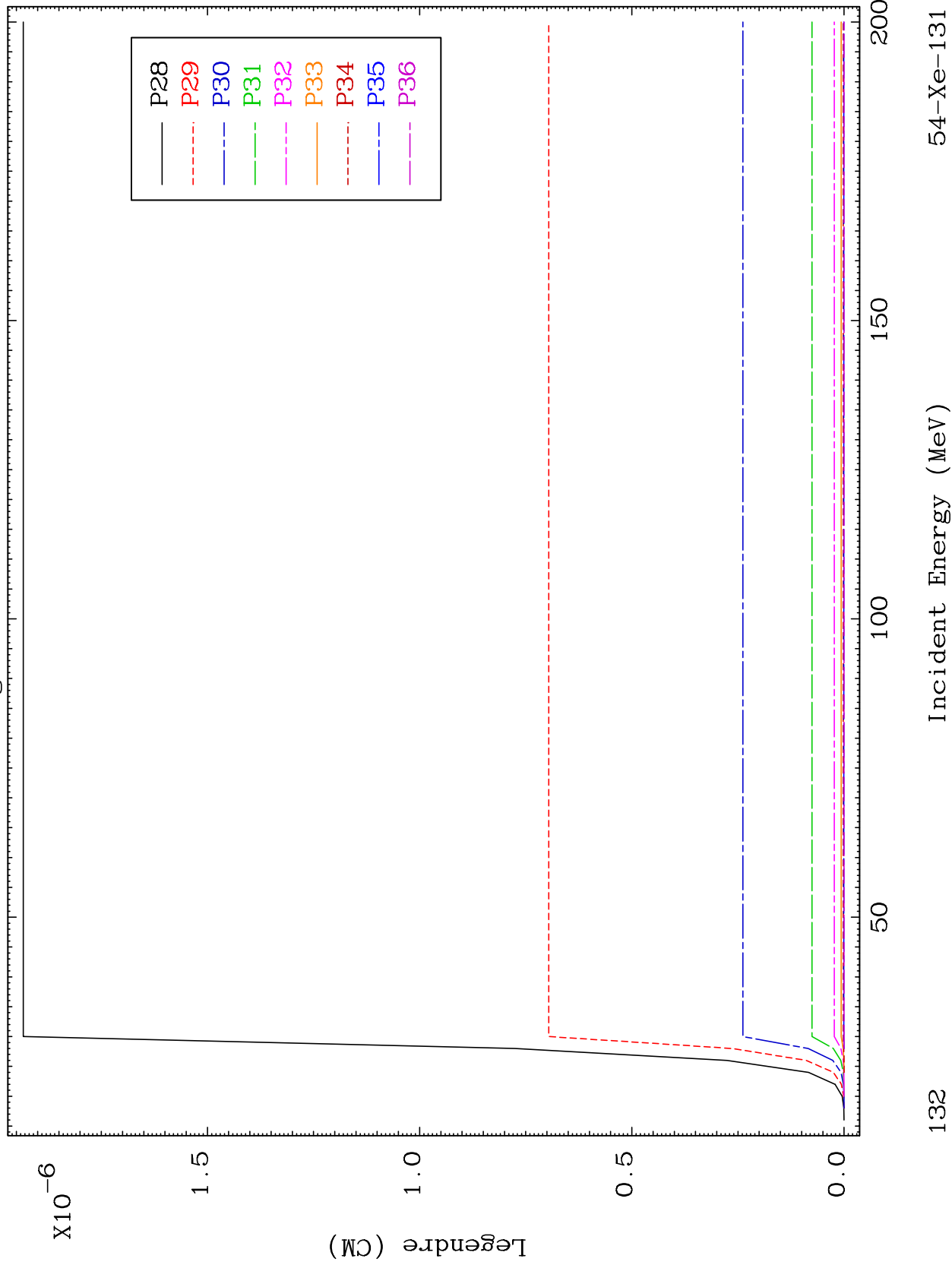
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131

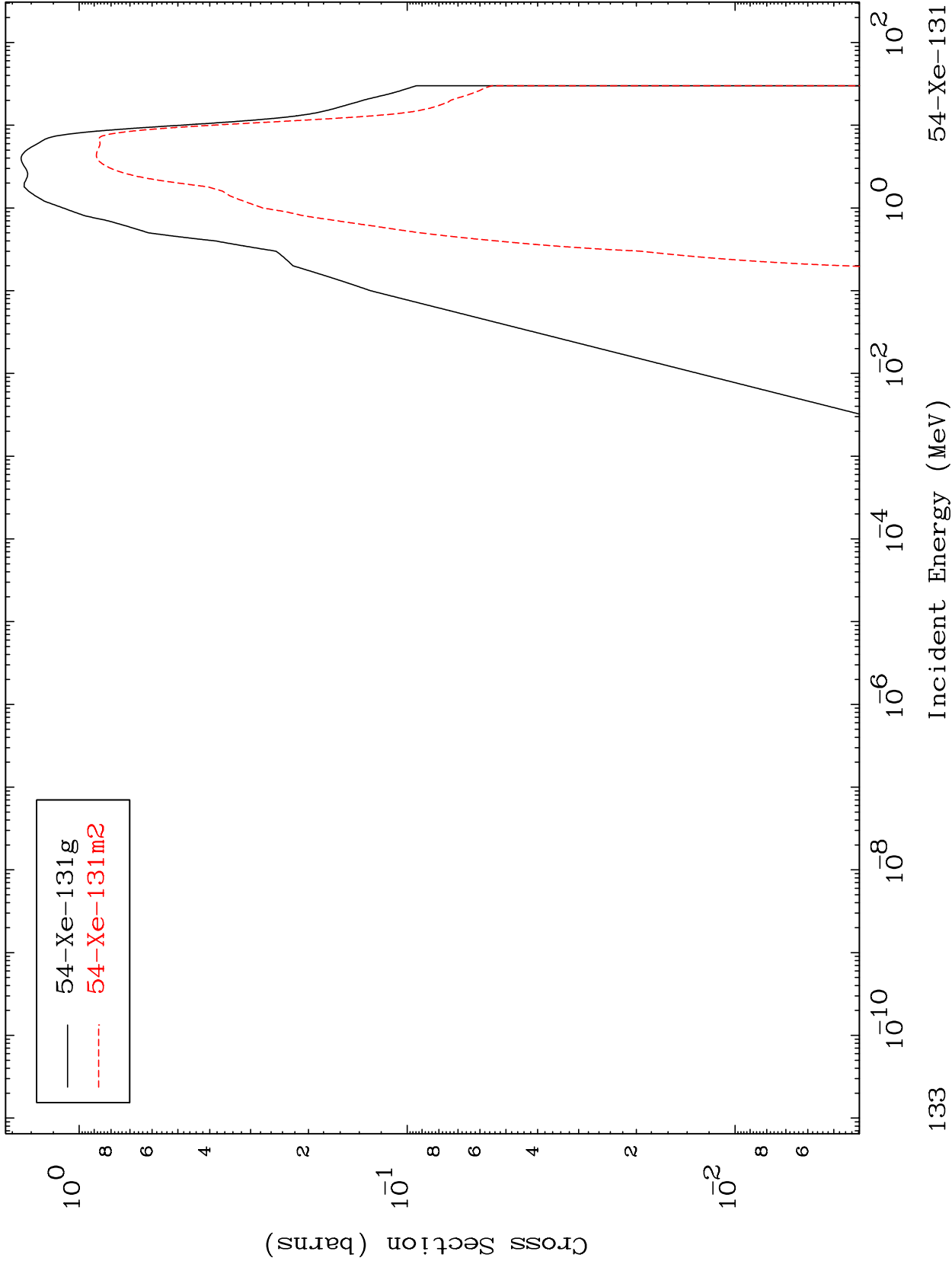


132

MAT 5446

Inelastic
Radionuclide Production Cross Section

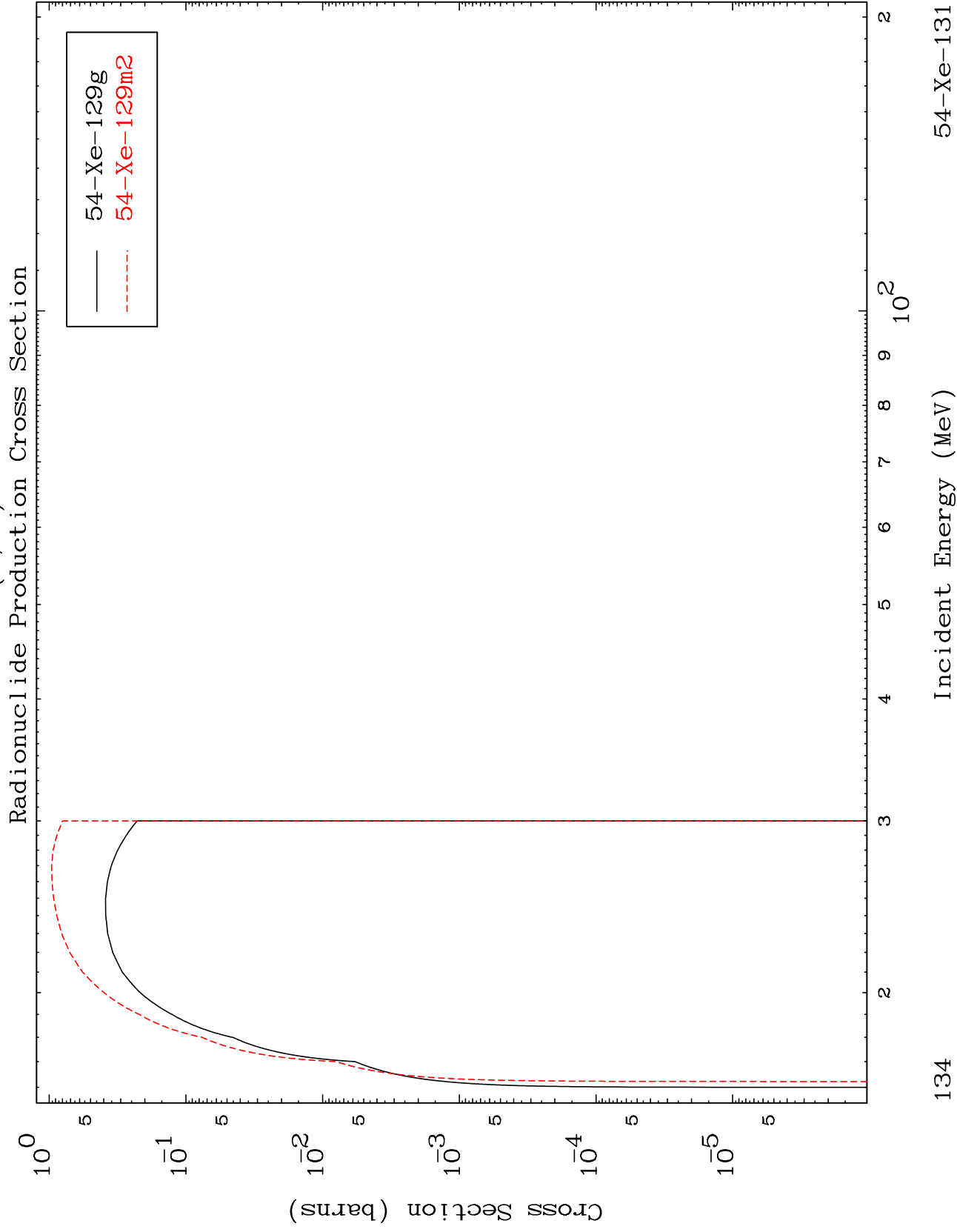
54-Xe-131



MAT 5446

(n,3n)

54-Xe-131



134

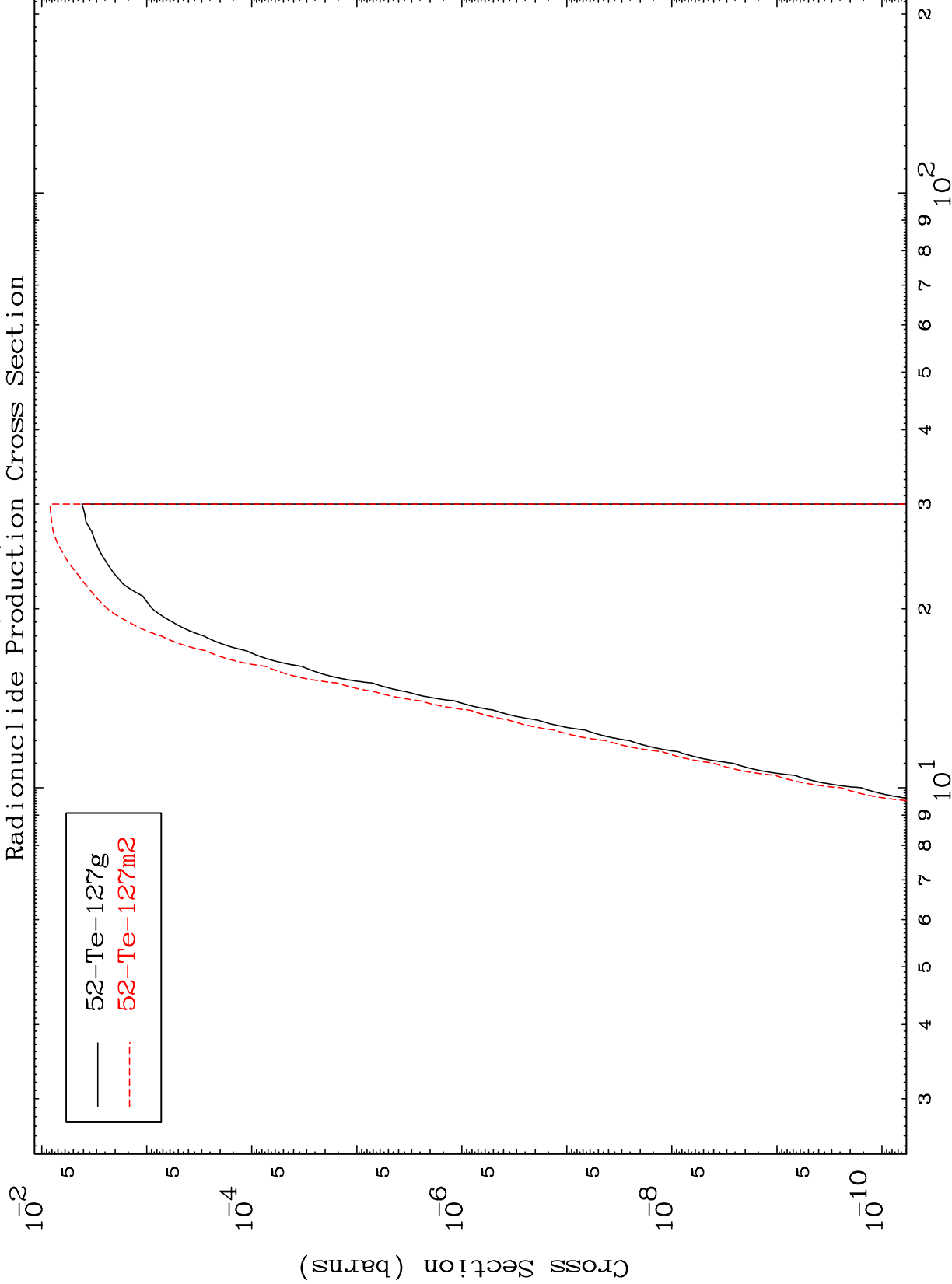
54-Xe-131

MAT 5446

54-Xe-131

(n,n') α

Radionuclide Production Cross Section



— 52-Te-127g
- - - 52-Te-127m2

135

Incident Energy (MeV)

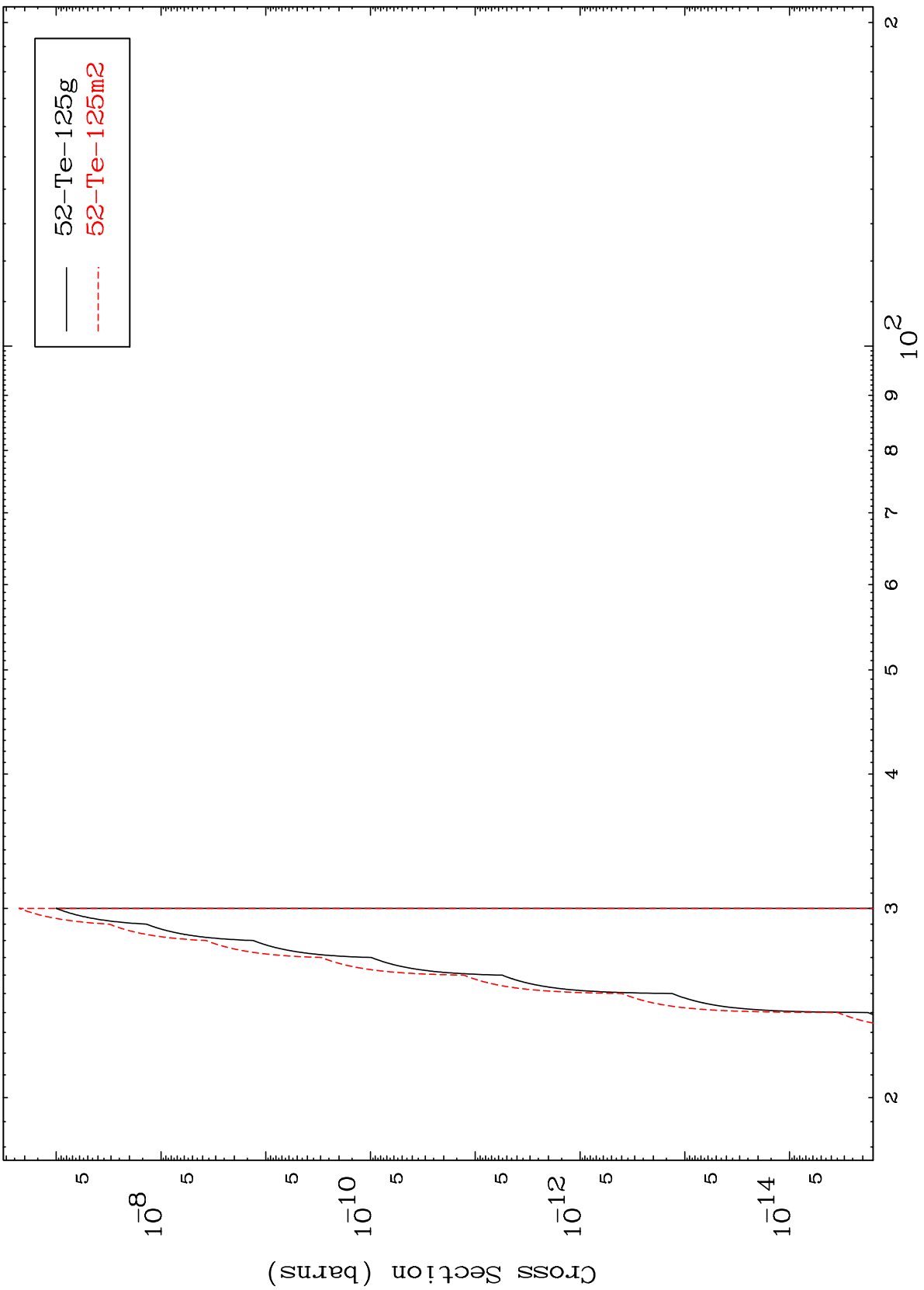
54-Xe-131

MAT 5446

(n,3n) α

54-Xe-131

Radionuclide Production Cross Section



52-Te-125g
52-Te-125m2

136

Incident Energy (MeV)

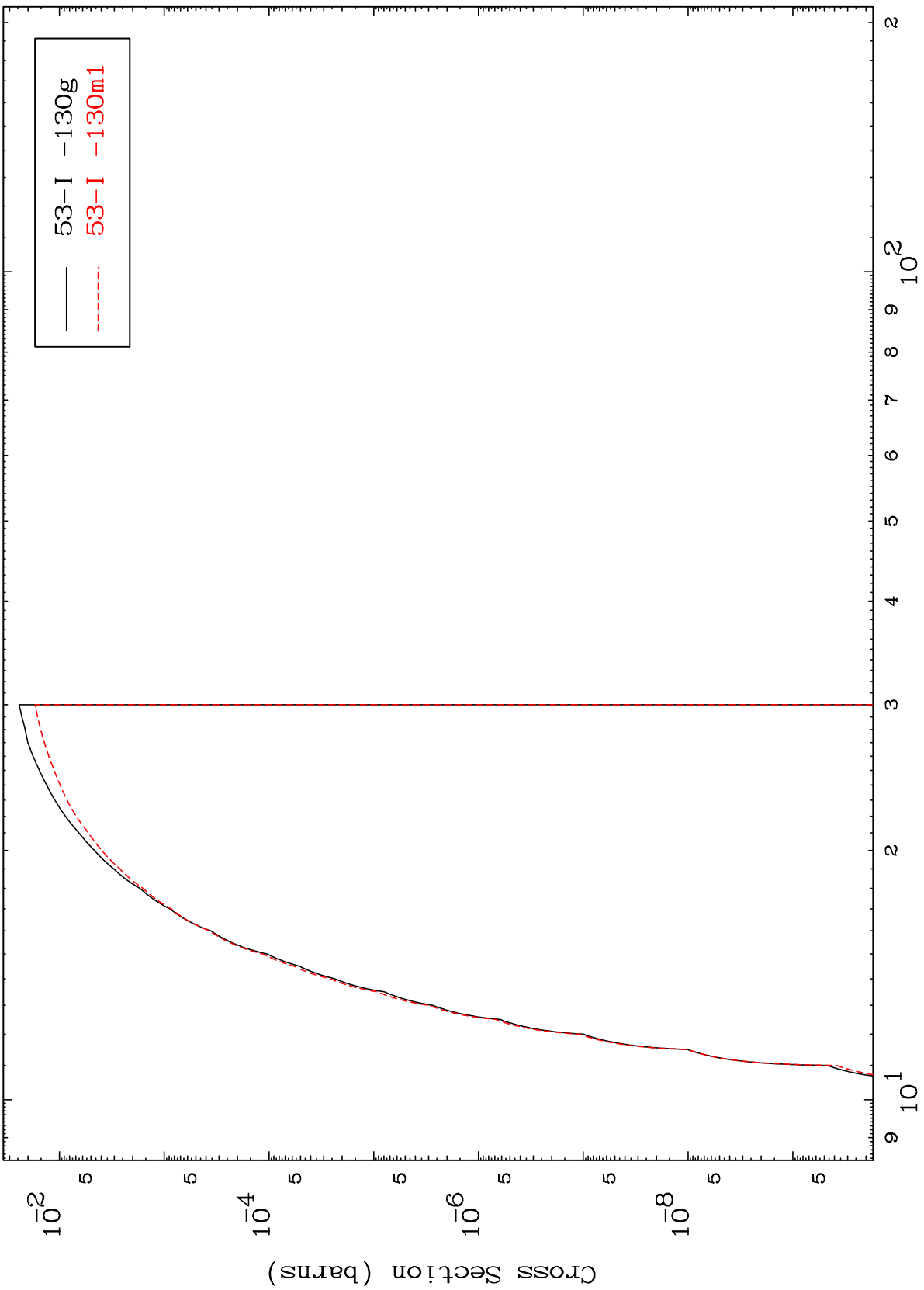
54-Xe-131

MAT 5446

(n,n') p

54-Xe-131

Radionuclide Production Cross Section



137

Incident Energy (MeV)

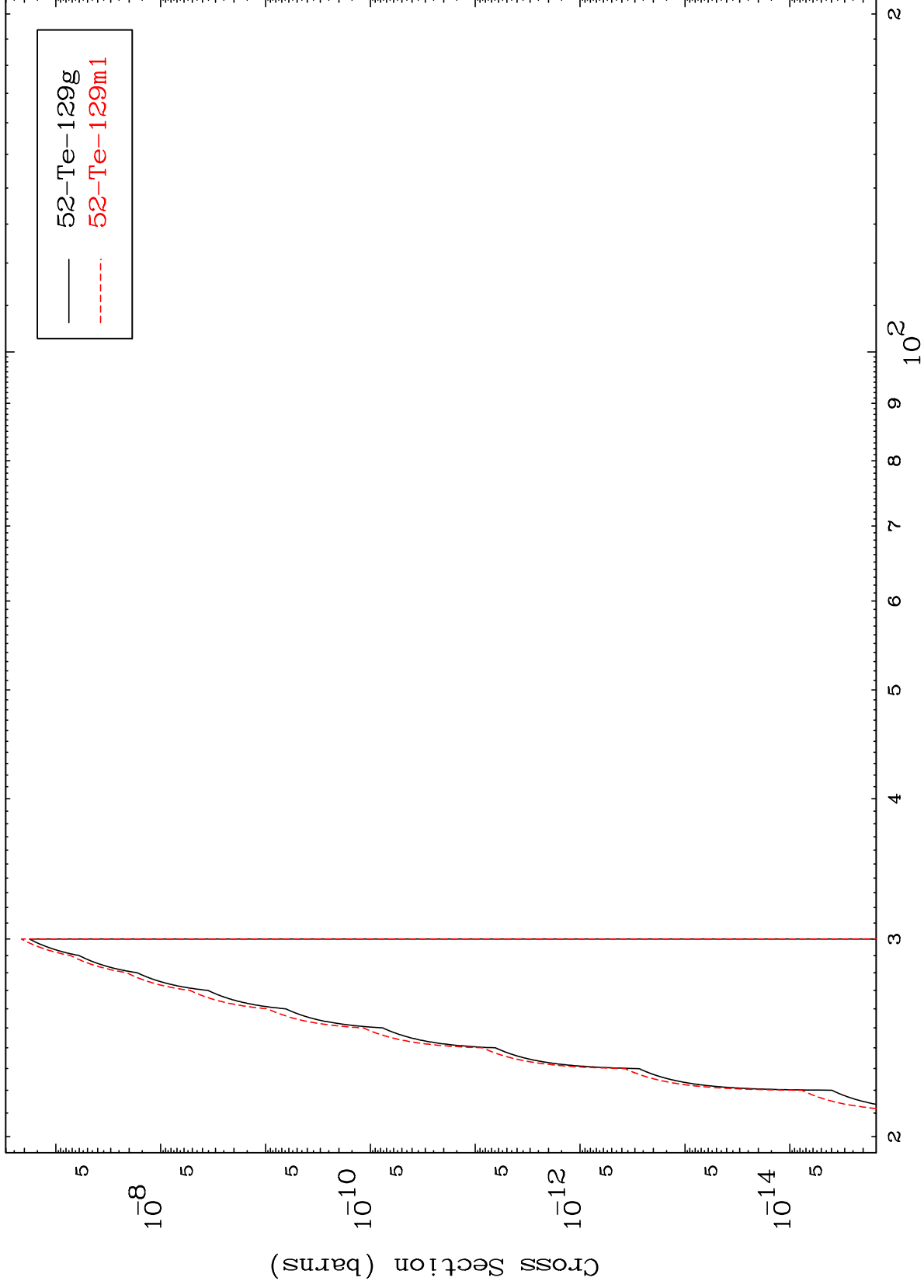
54-Xe-131

MAT 5446

(n,2n) p

54-Xe-131

Radionuclide Production Cross Section

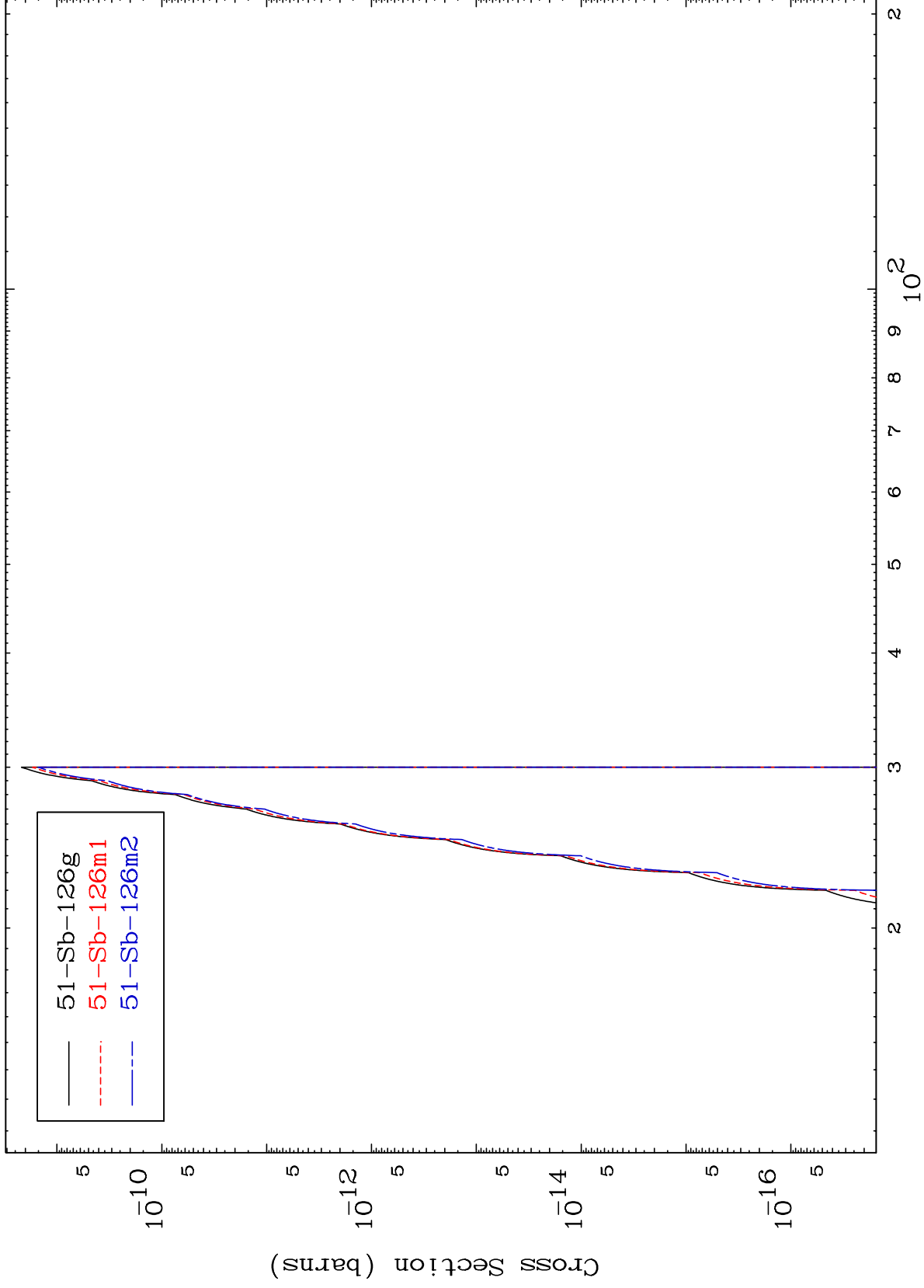


138

Incident Energy (MeV)

54-Xe-131

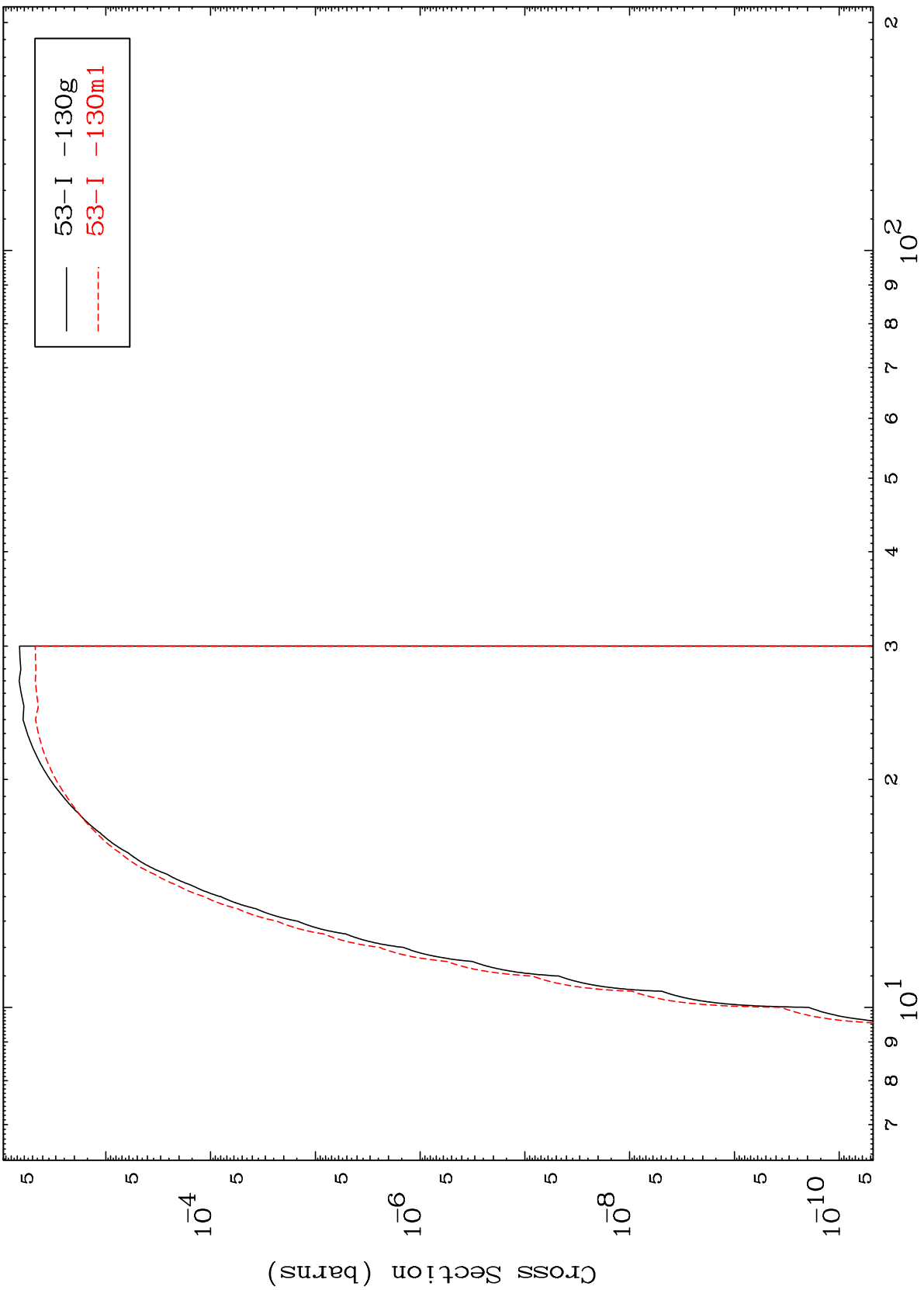
Radionuclide Production Cross Section



MAT 5446

54-Xe-131

(n,d)
Radionuclide Production Cross Section



140

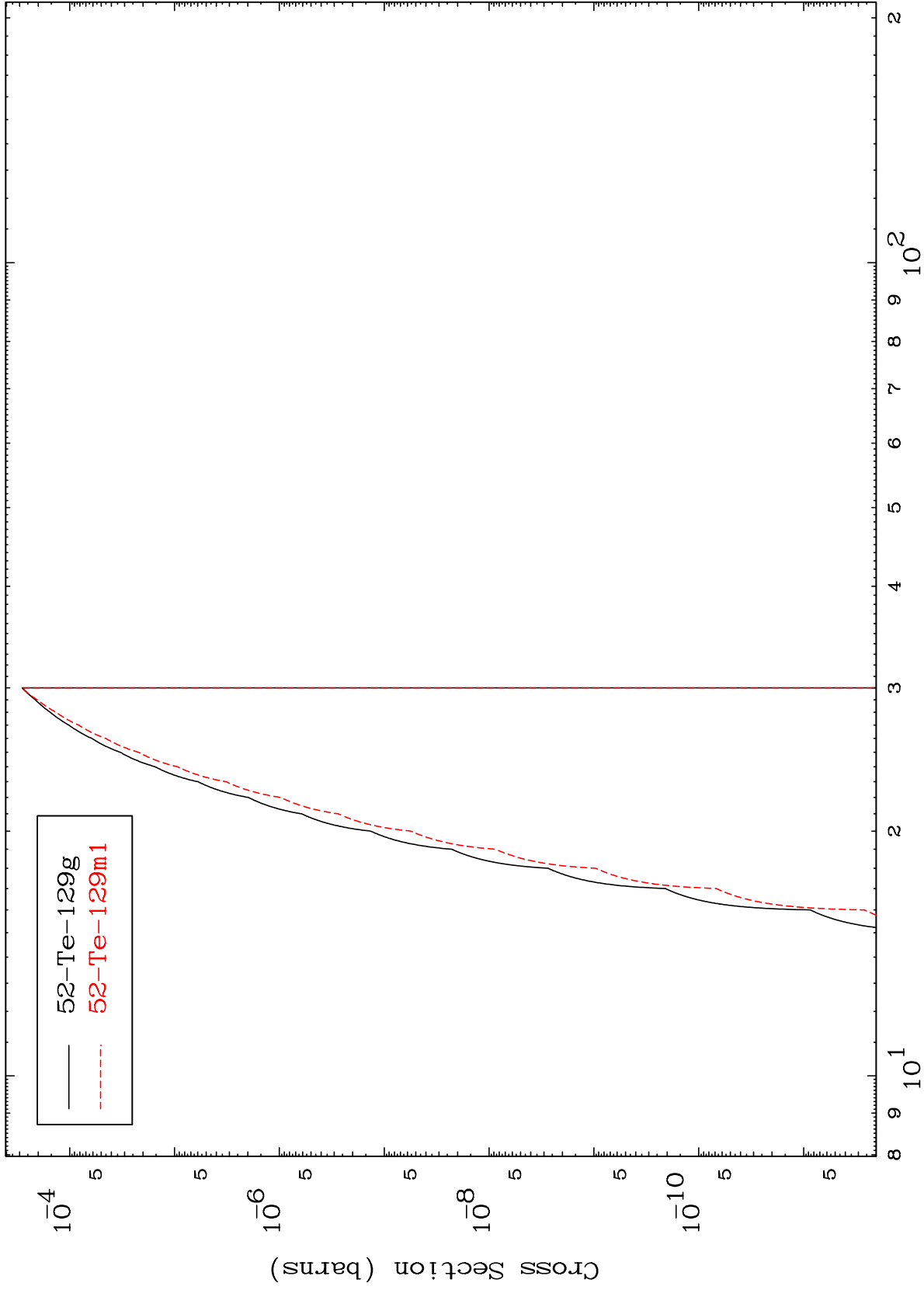
Incident Energy (MeV)

54-Xe-131

MAT 5446

54-Xe-131

(n,He-3)
Radionuclide Production Cross Section



141

Incident Energy (MeV)

54-Xe-131

Radionuclide Production Cross Section

