

Program EVALPLOT
(Version 2017-1)

by

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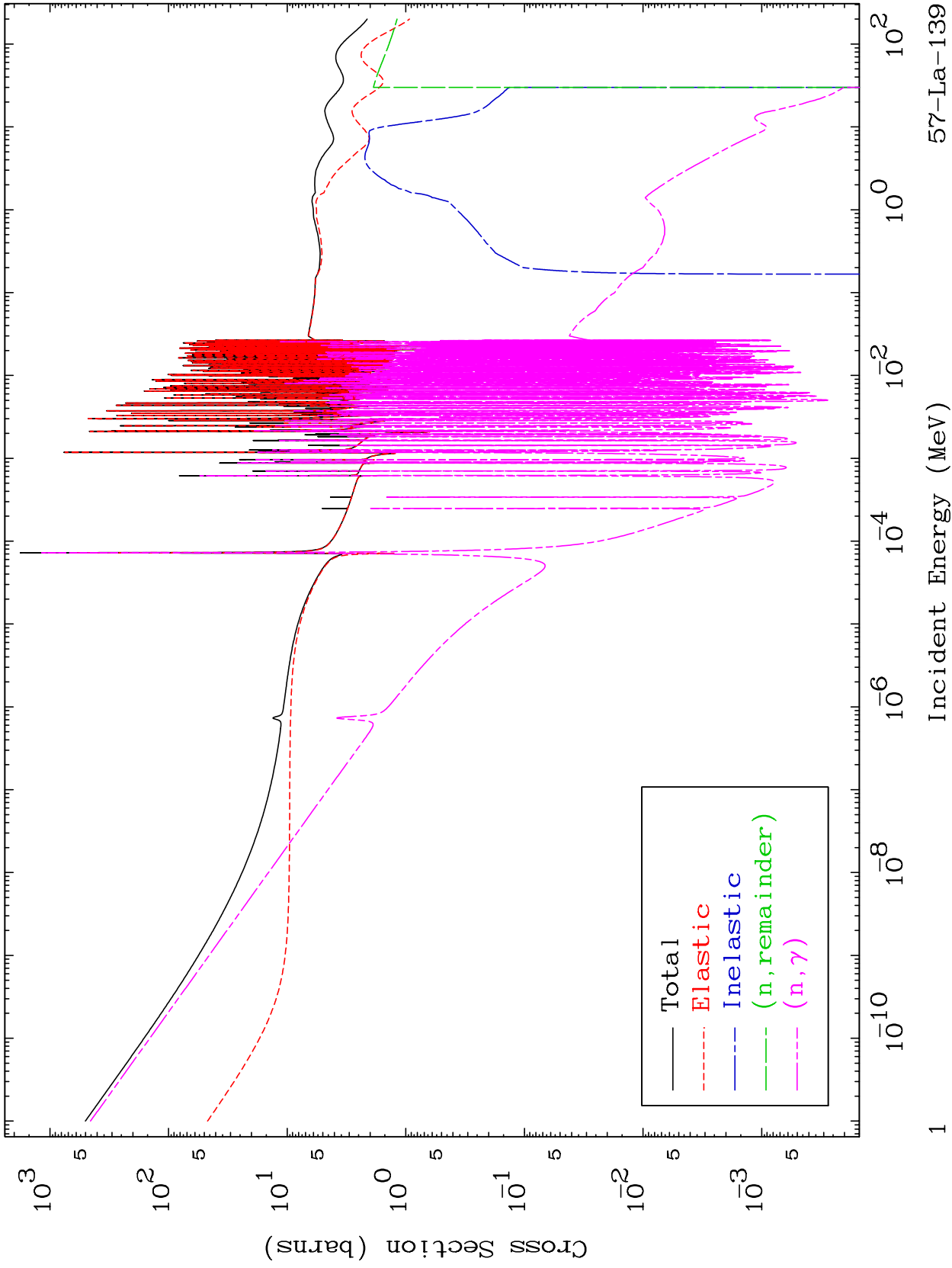
Press Mouse Button to Start

MAT 5728

Major

293 Kelvin Cross Sections

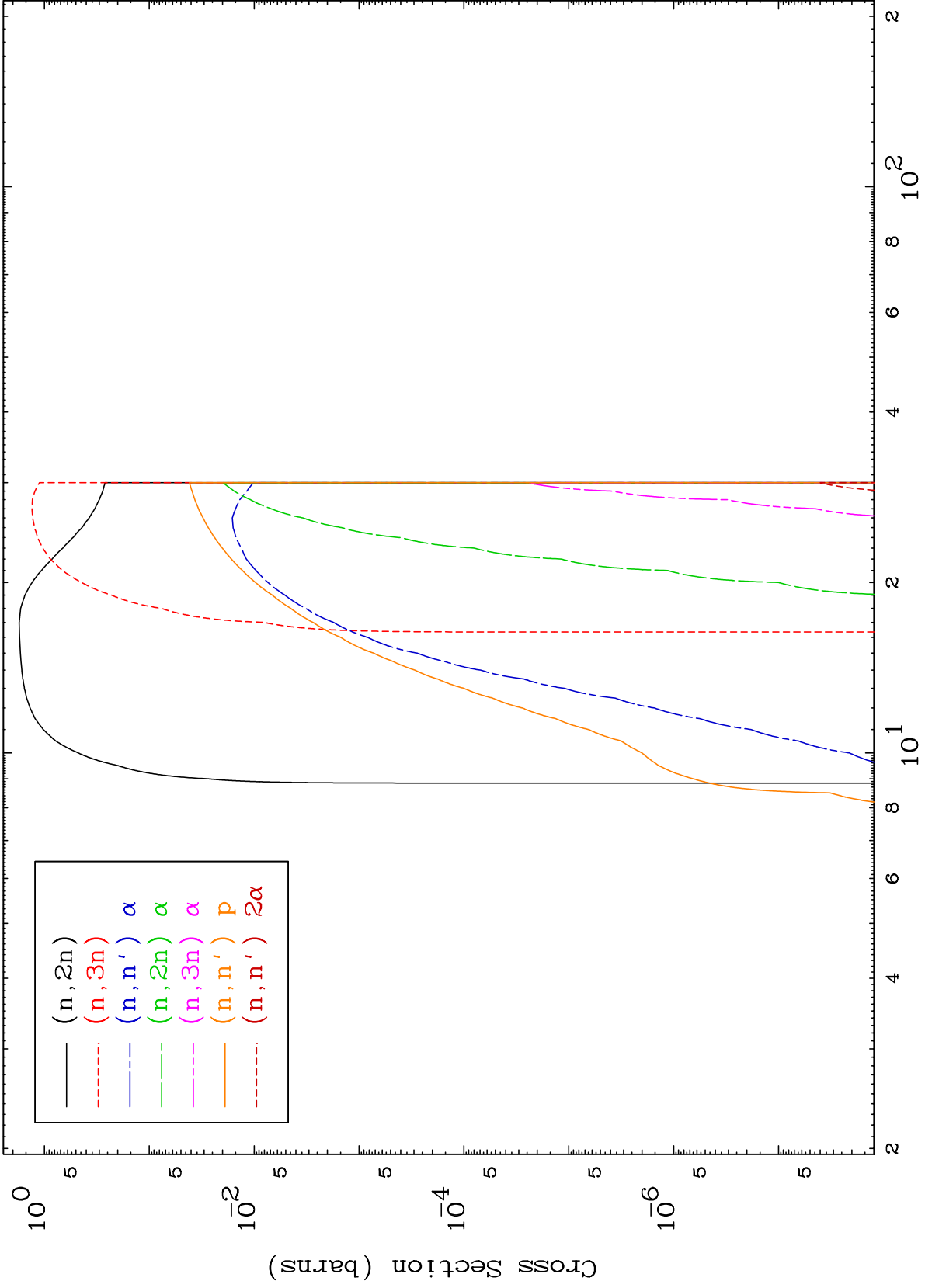
57-La-139

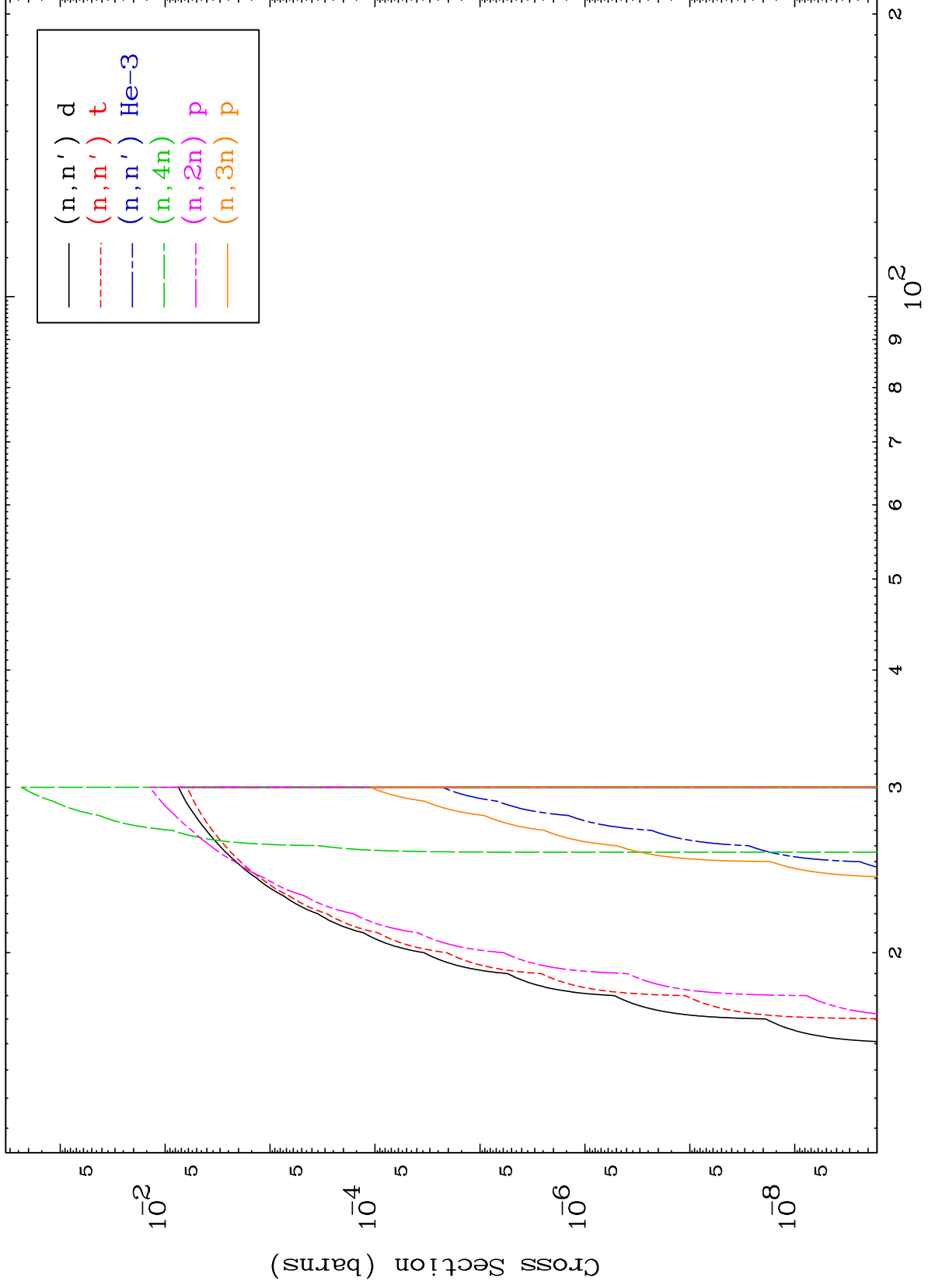


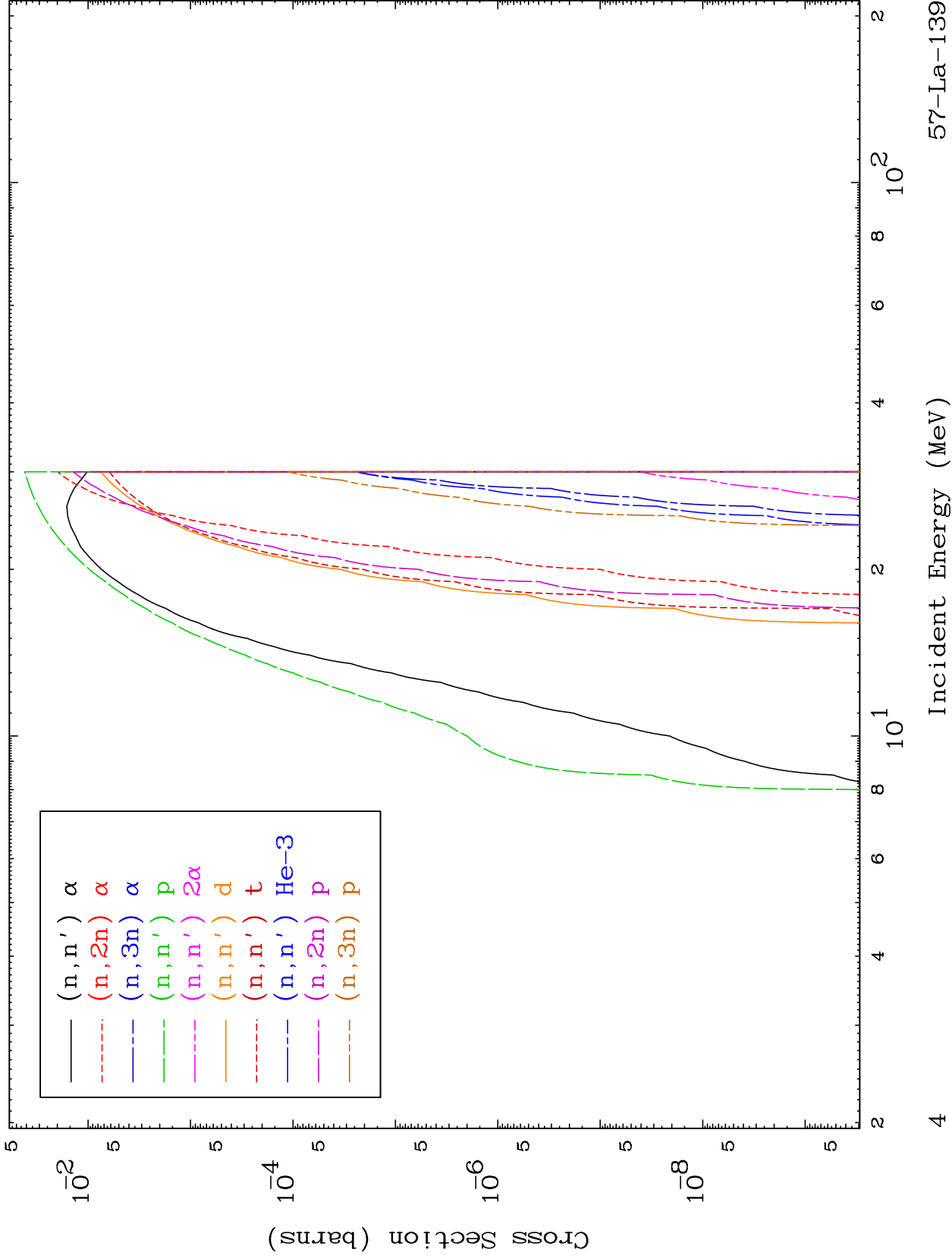
MAT 5728

Neutron Production
293 Kelvin Cross Sections

57-La-139



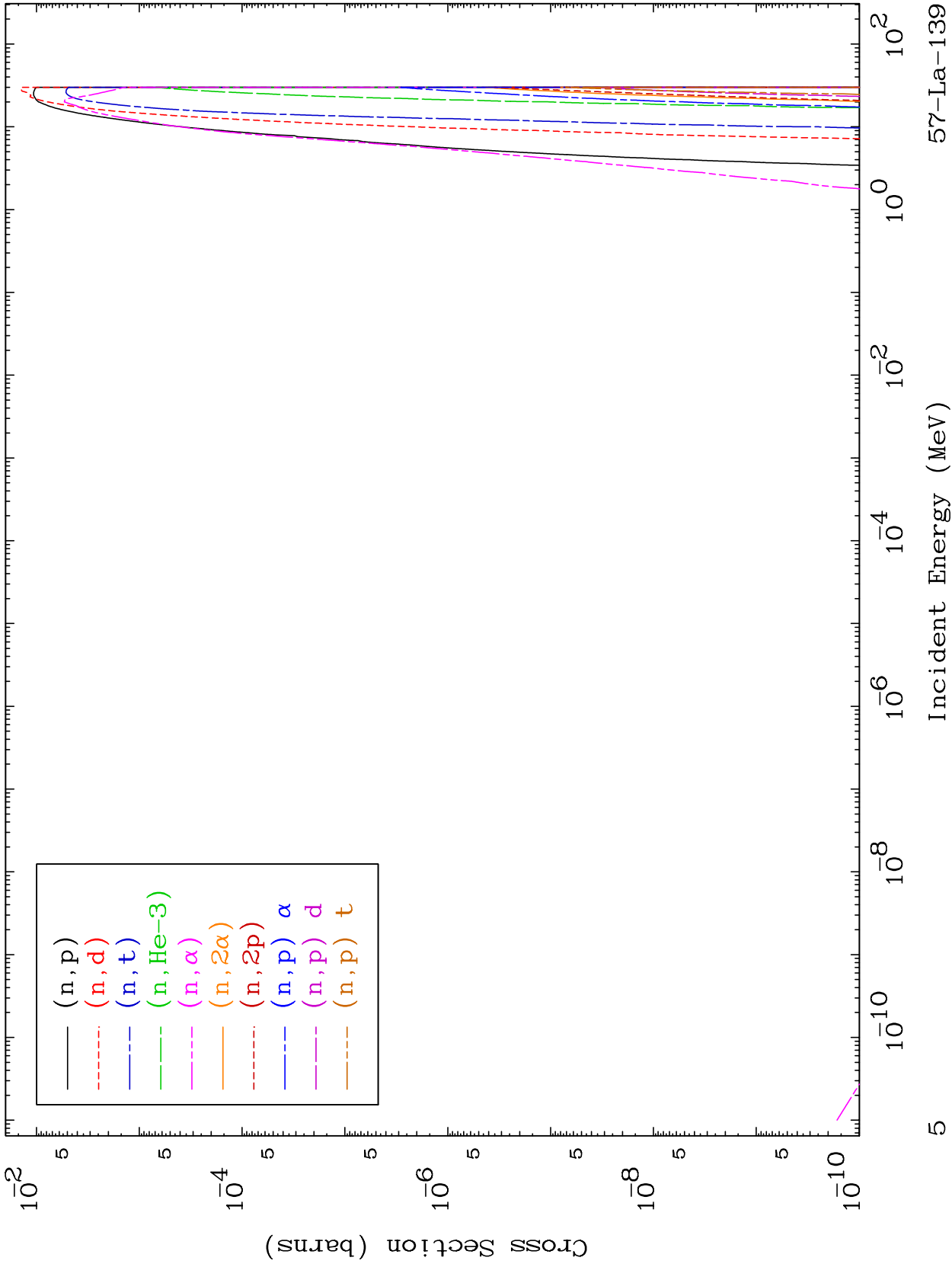




MAT 5728

Charged Particle
293 Kelvin Cross Sections

57-La-139



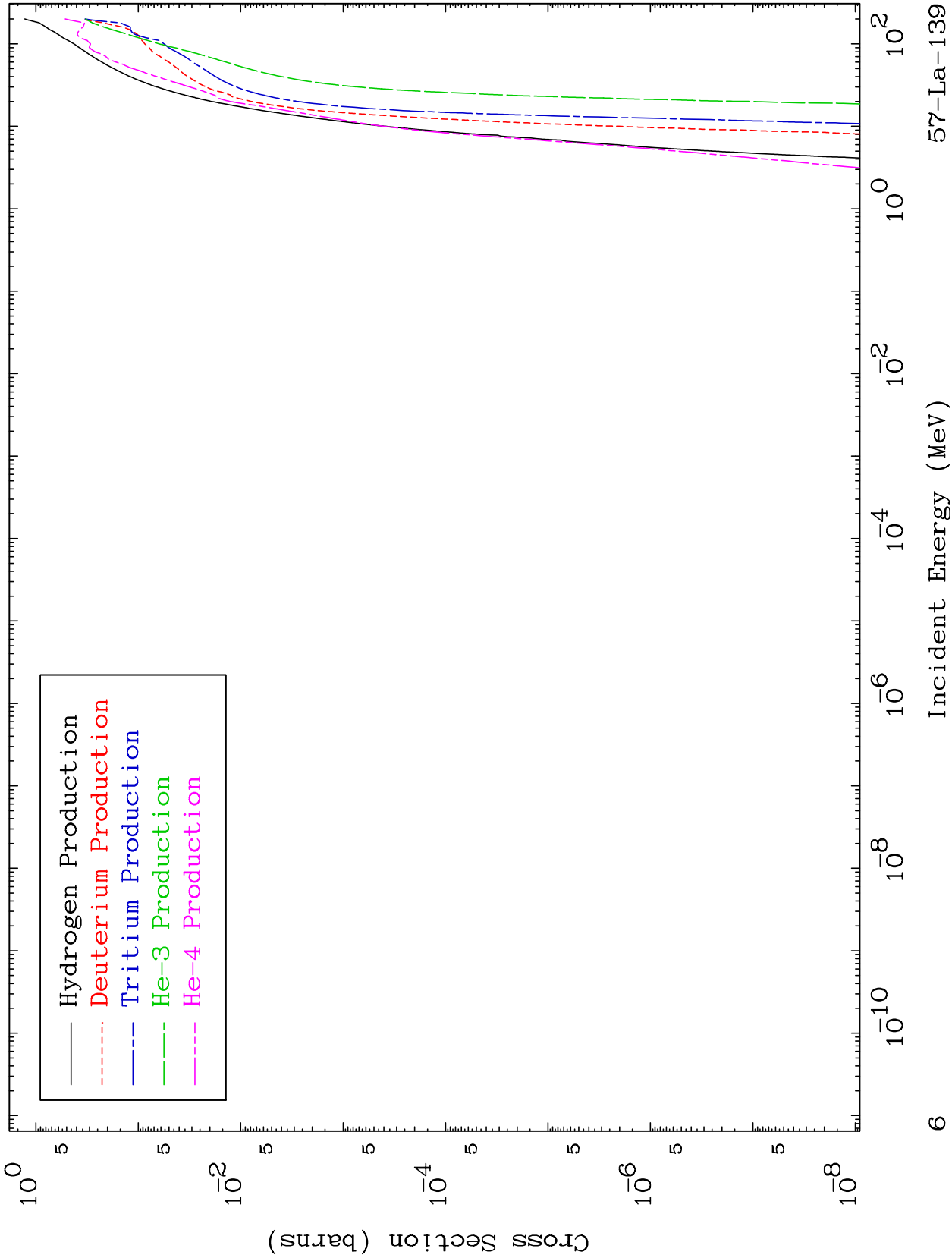
5

57-La-139

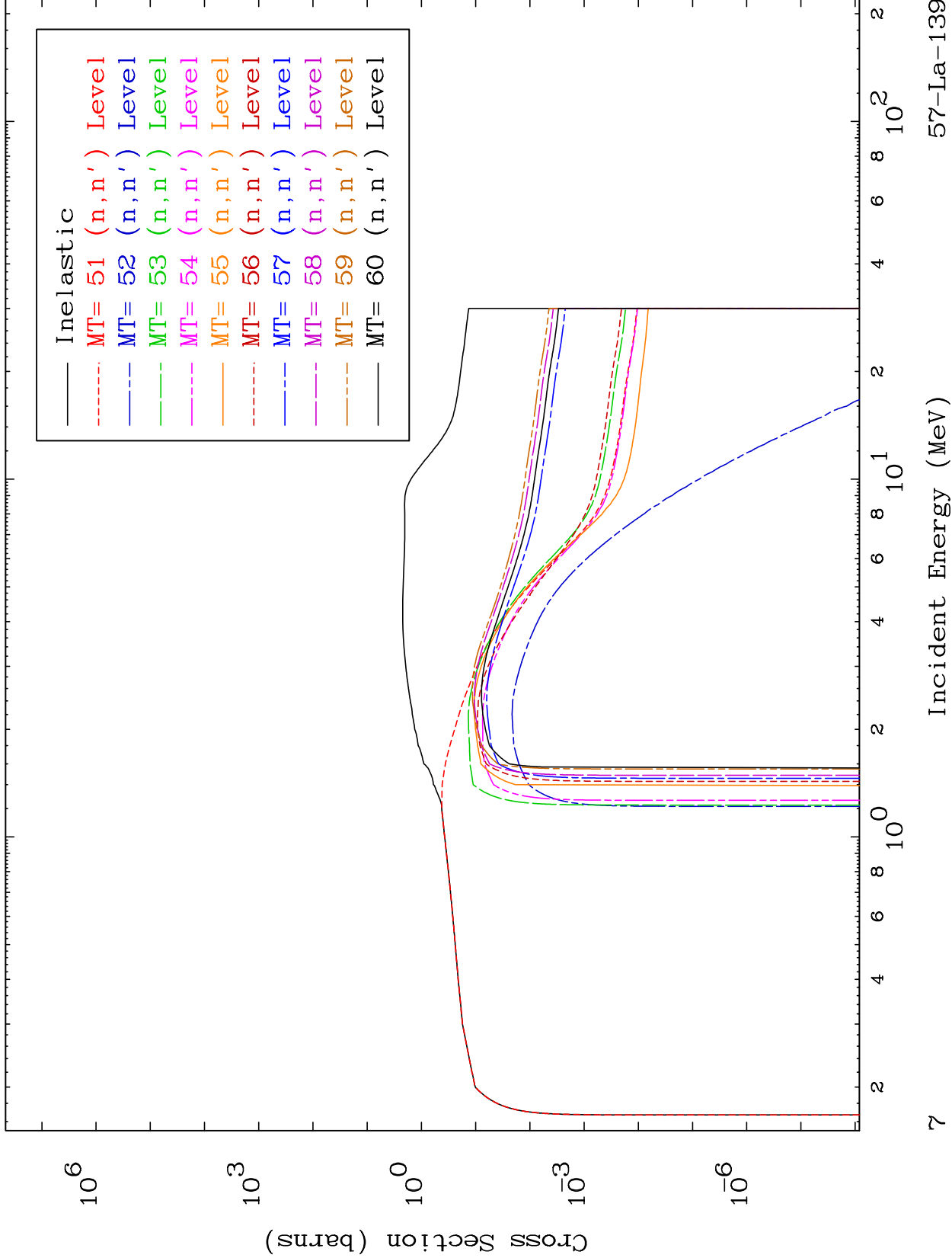
MAT 5728

Particle Production
293 Kelvin Cross Sections

57-La-139



293 Kelvin Cross Sections

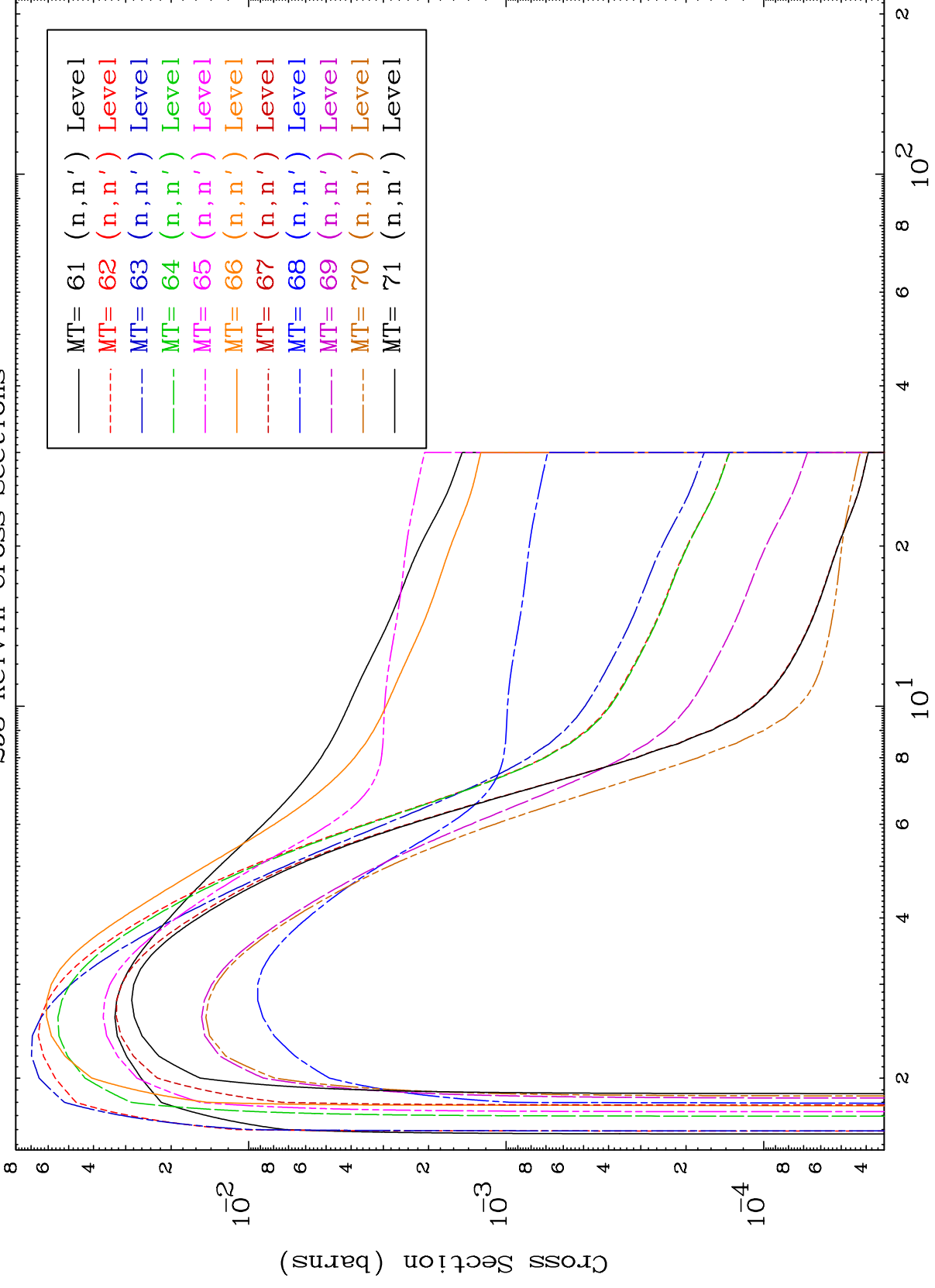


MAT 5728

(n,n') Level

57-La-139

293 Kelvin Cross Sections

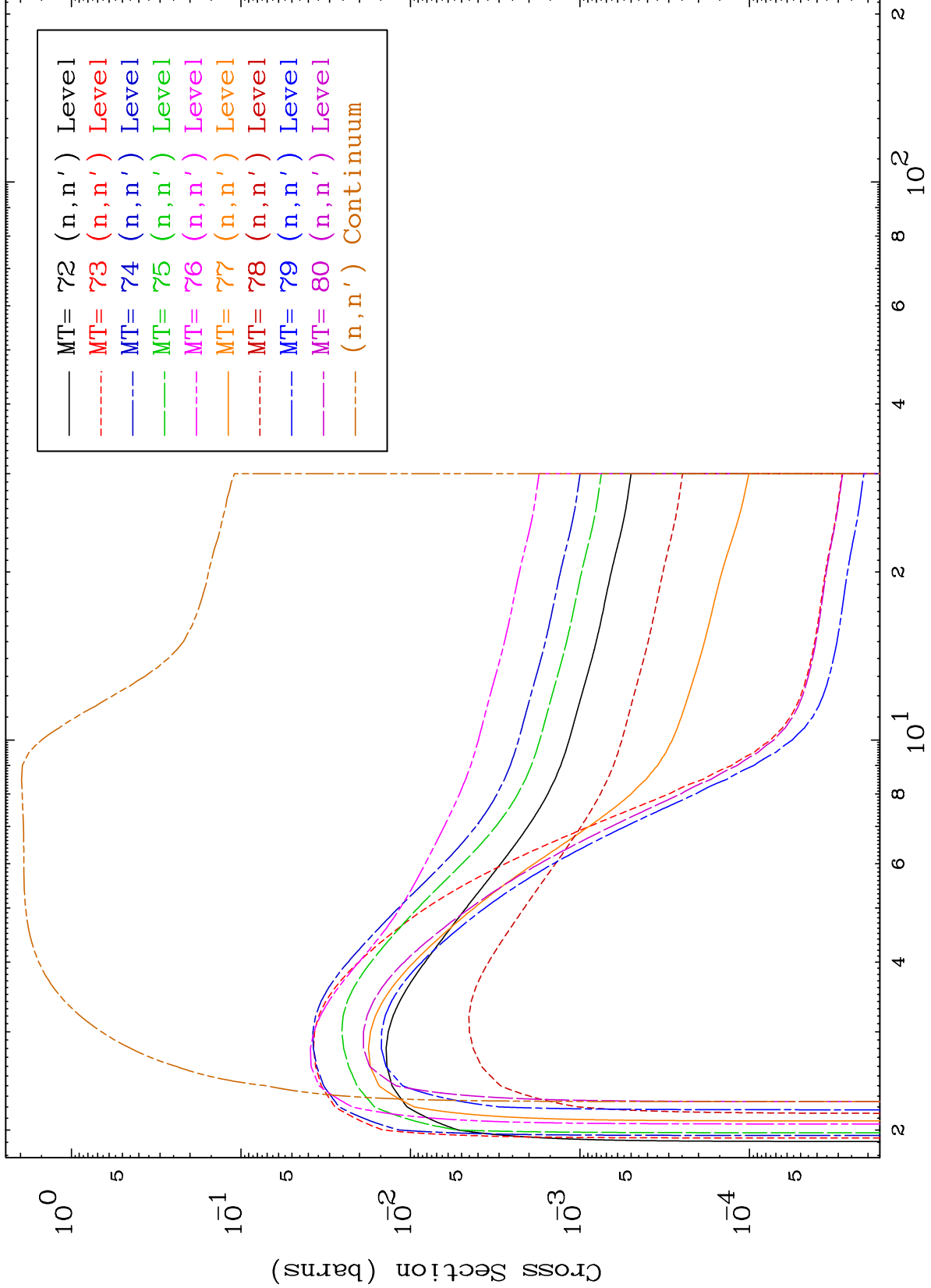


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Incident Energy (MeV)

57-La-139

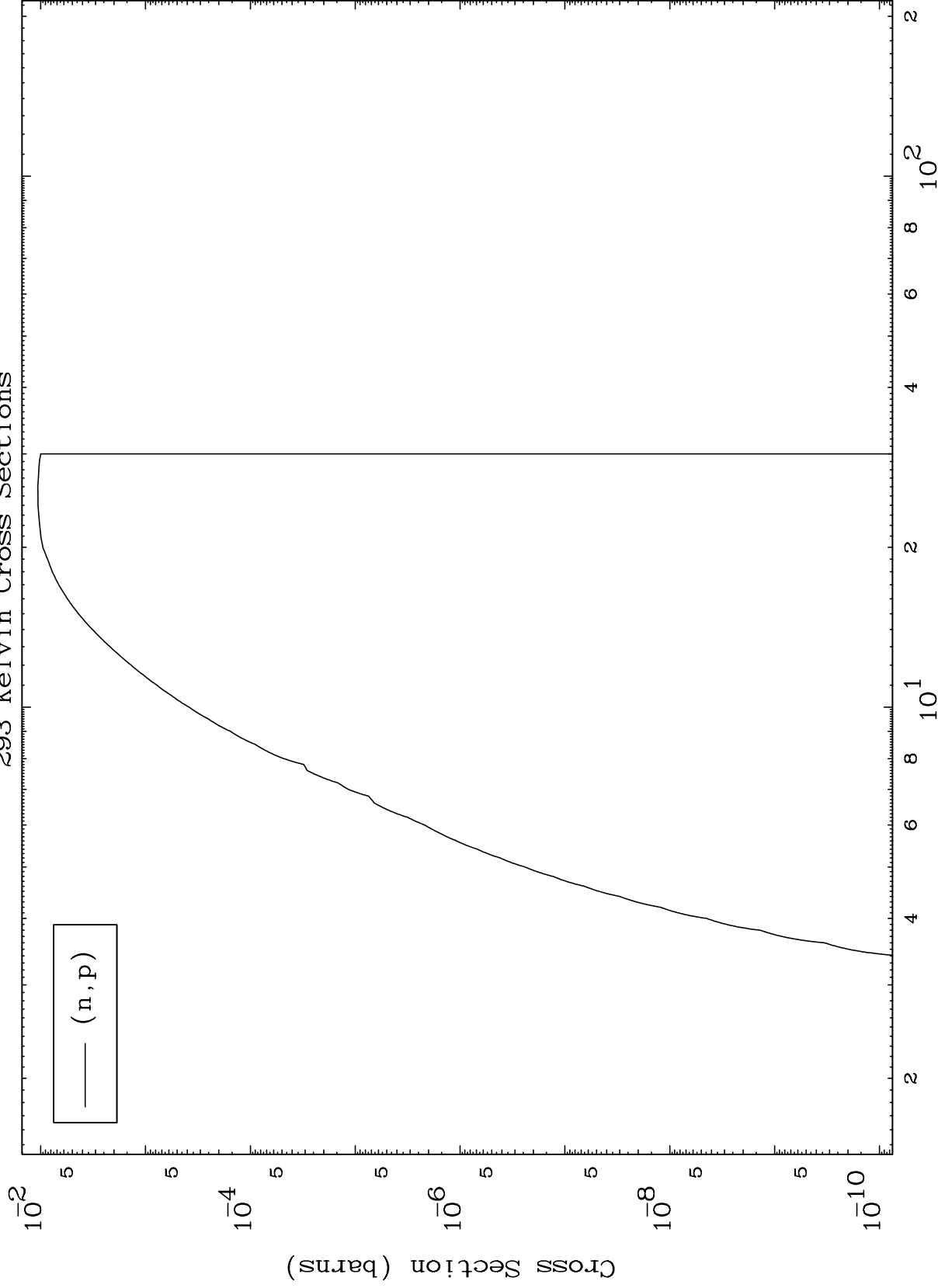
293 Kelvin Cross Sections



MAT 5728

(n,p) Levels
293 Kelvin Cross Sections

57-La-139



10

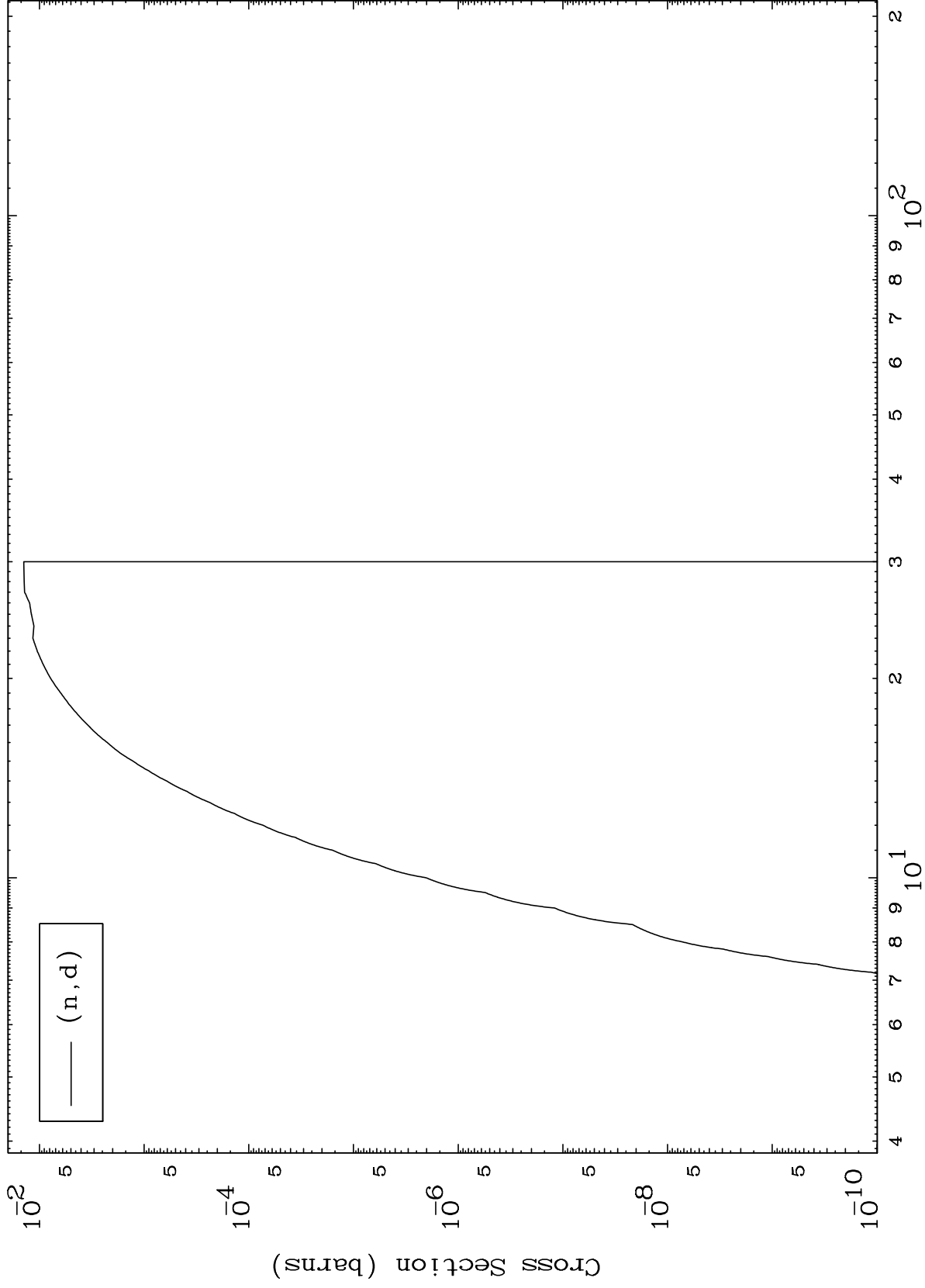
Incident Energy (MeV)

57-La-139

MAT 5728

(n,d) Levels
293 Kelvin Cross Sections

57-La-139



11

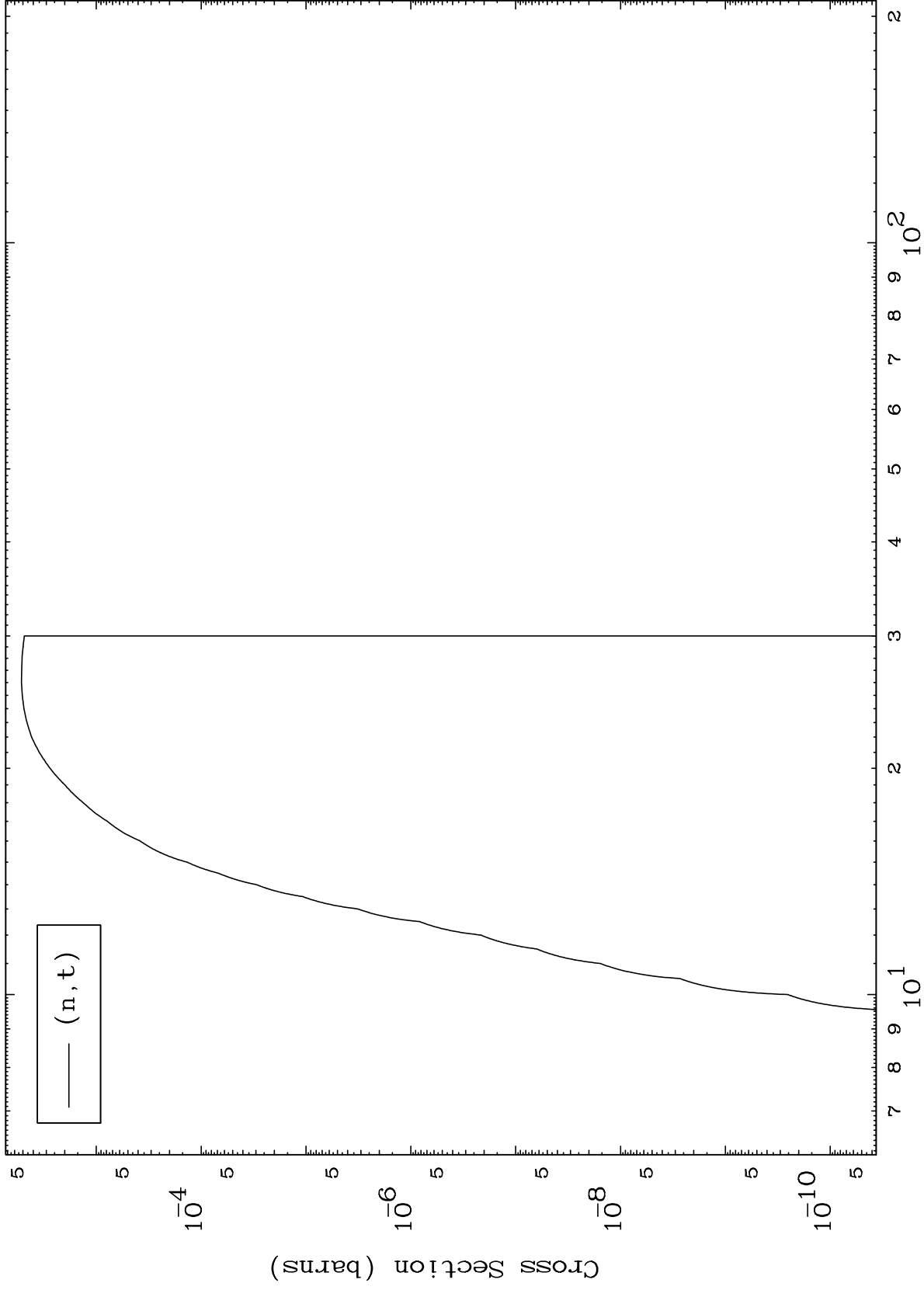
Incident Energy (MeV)

57-La-139

MAT 5728

(n,t) Levels
293 Kelvin Cross Sections

57-La-139



12

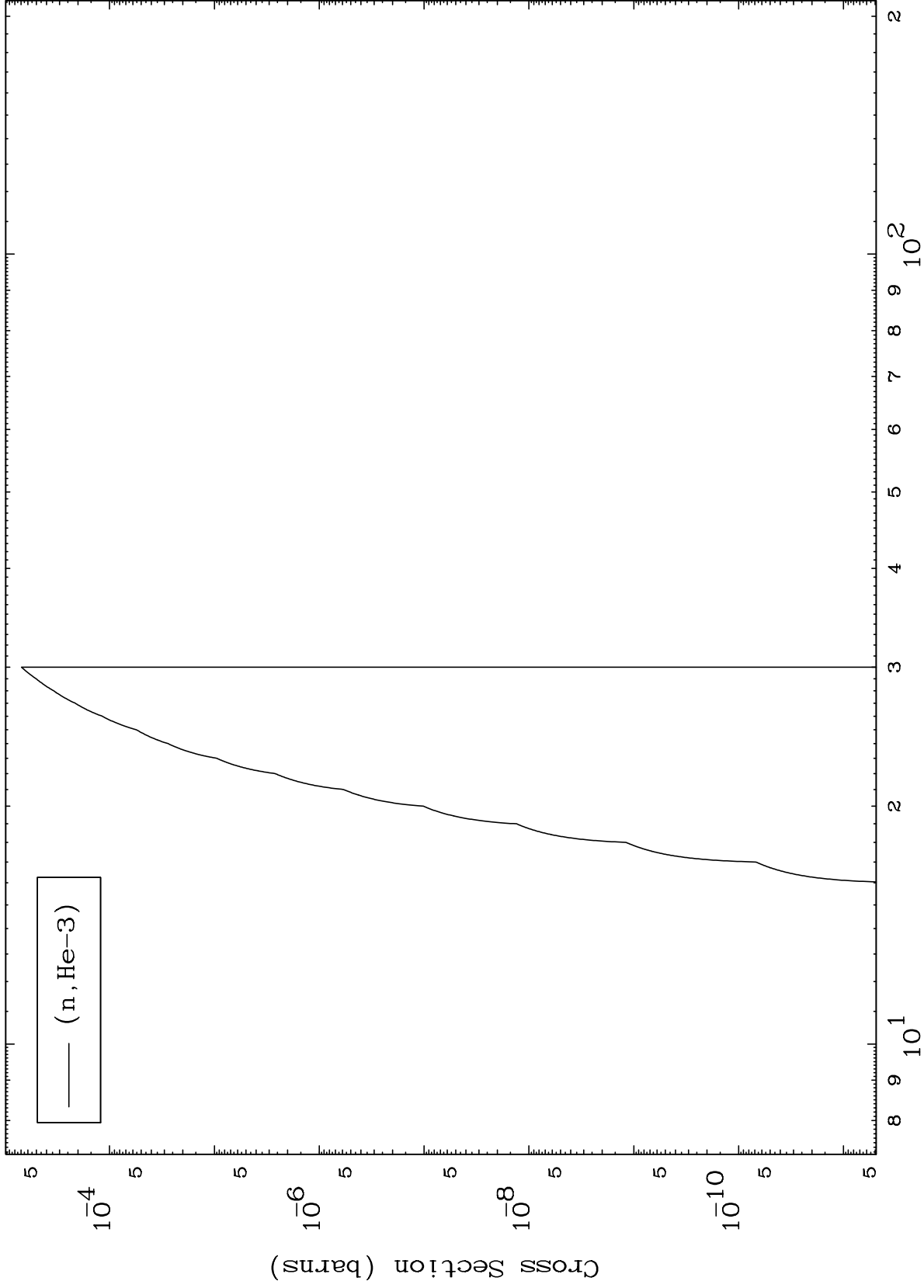
Incident Energy (MeV)

57-La-139

MAT 5728

(n,He3) Levels
293 Kelvin Cross Sections

57-La-139



13

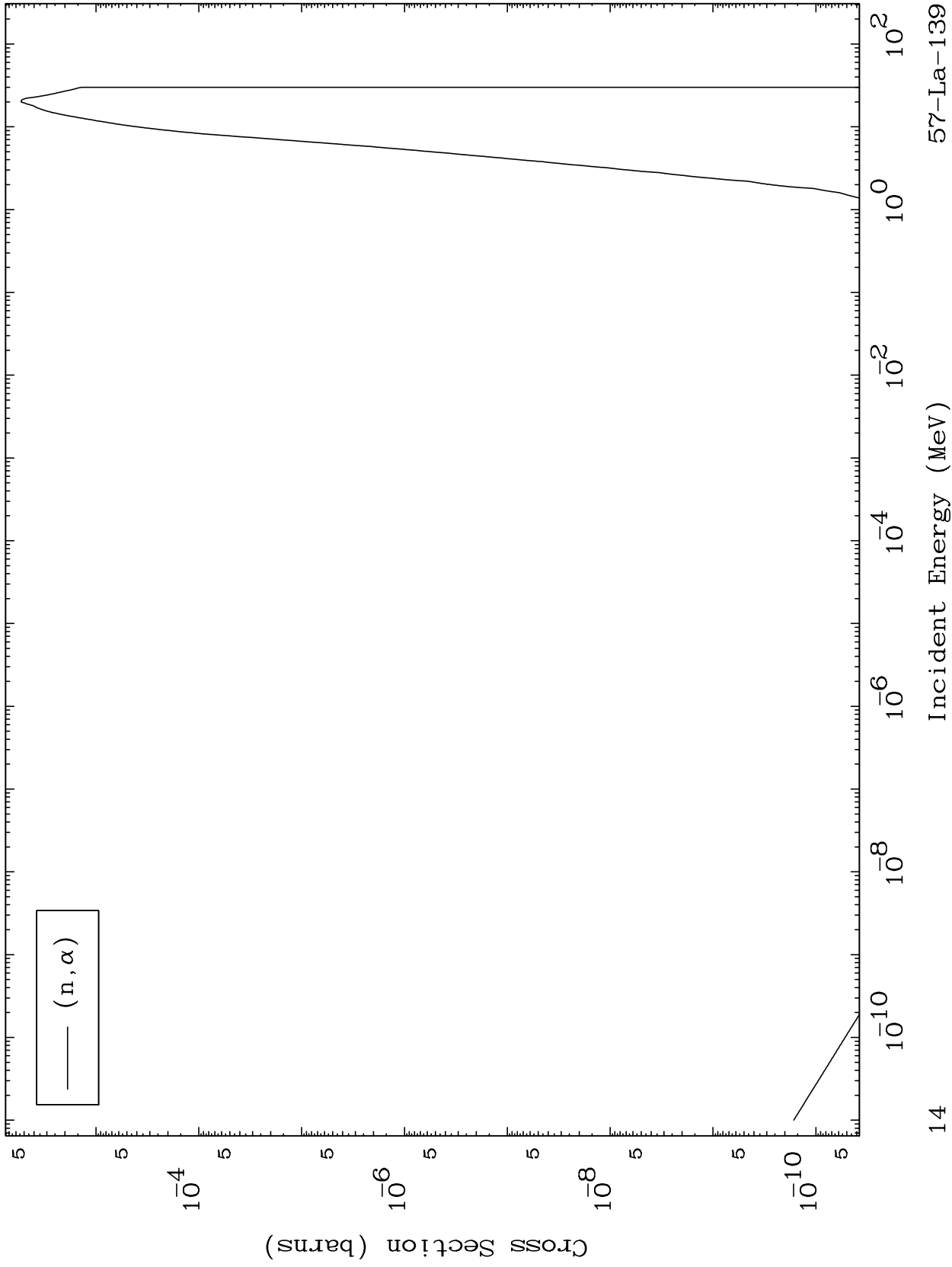
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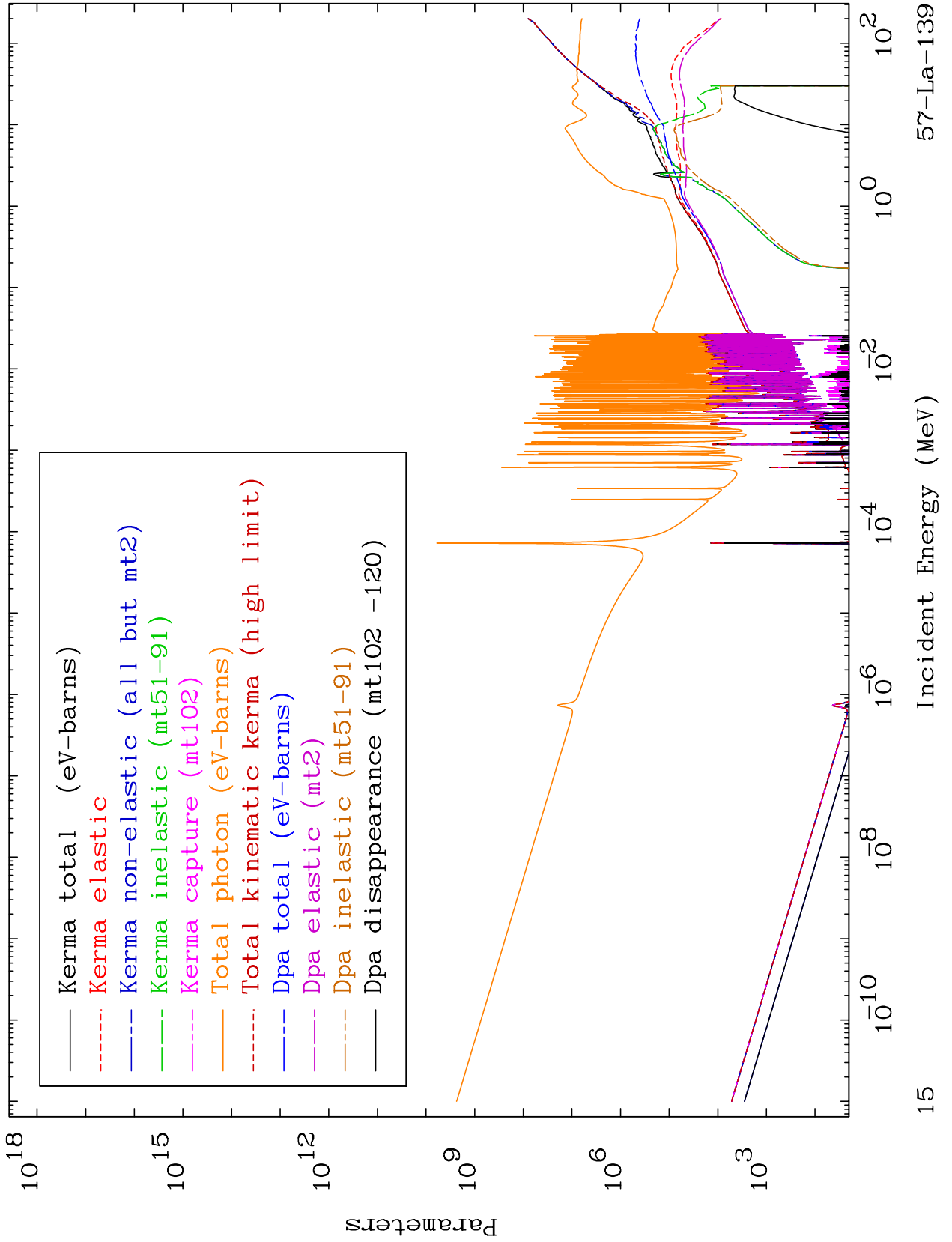
57-La-139

MAT 5728

(n, α) Levels
293 Kelvin Cross Sections

57-La-139

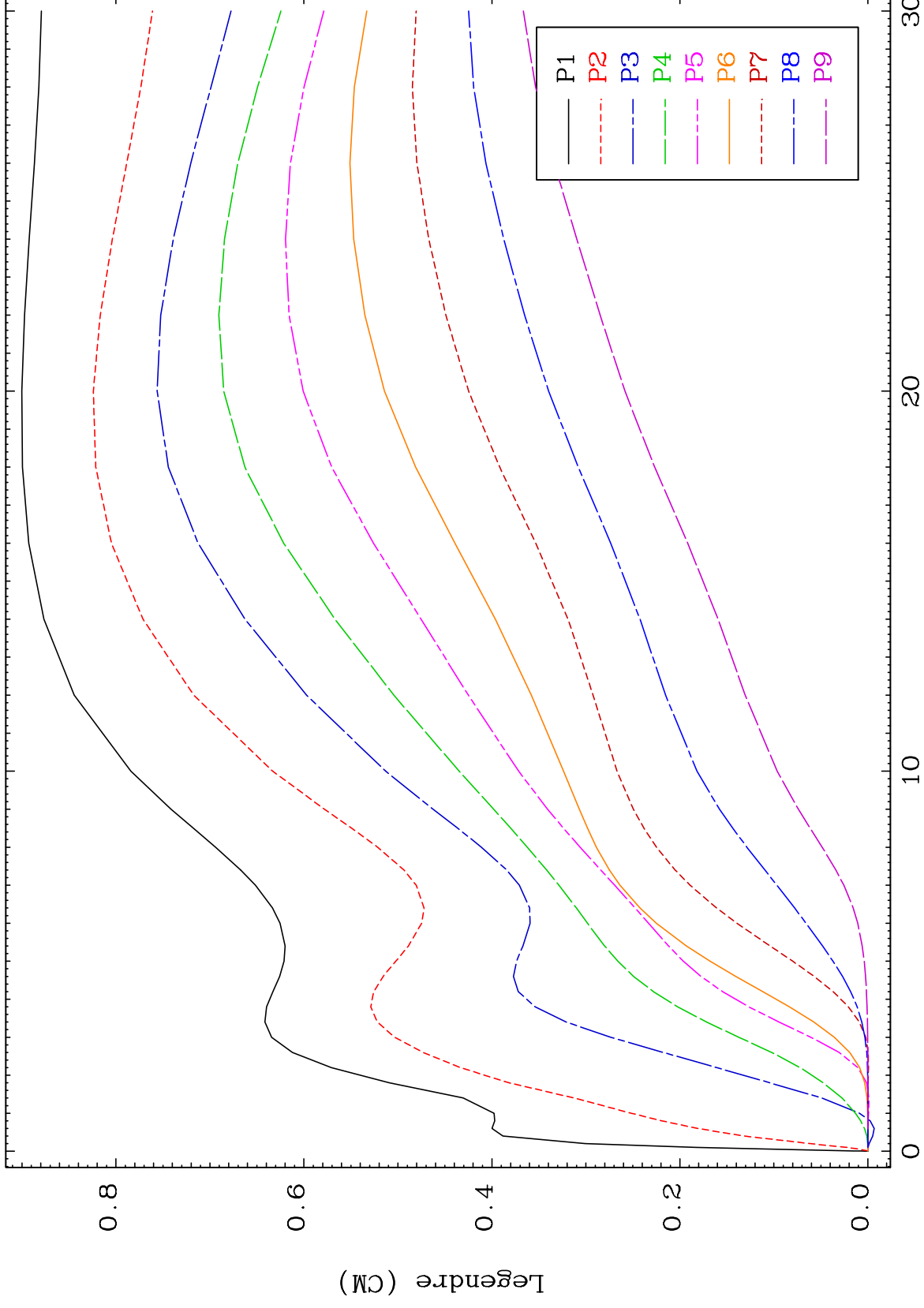




MAT 5728

57-La-139

Elastic Legendre Coefficients



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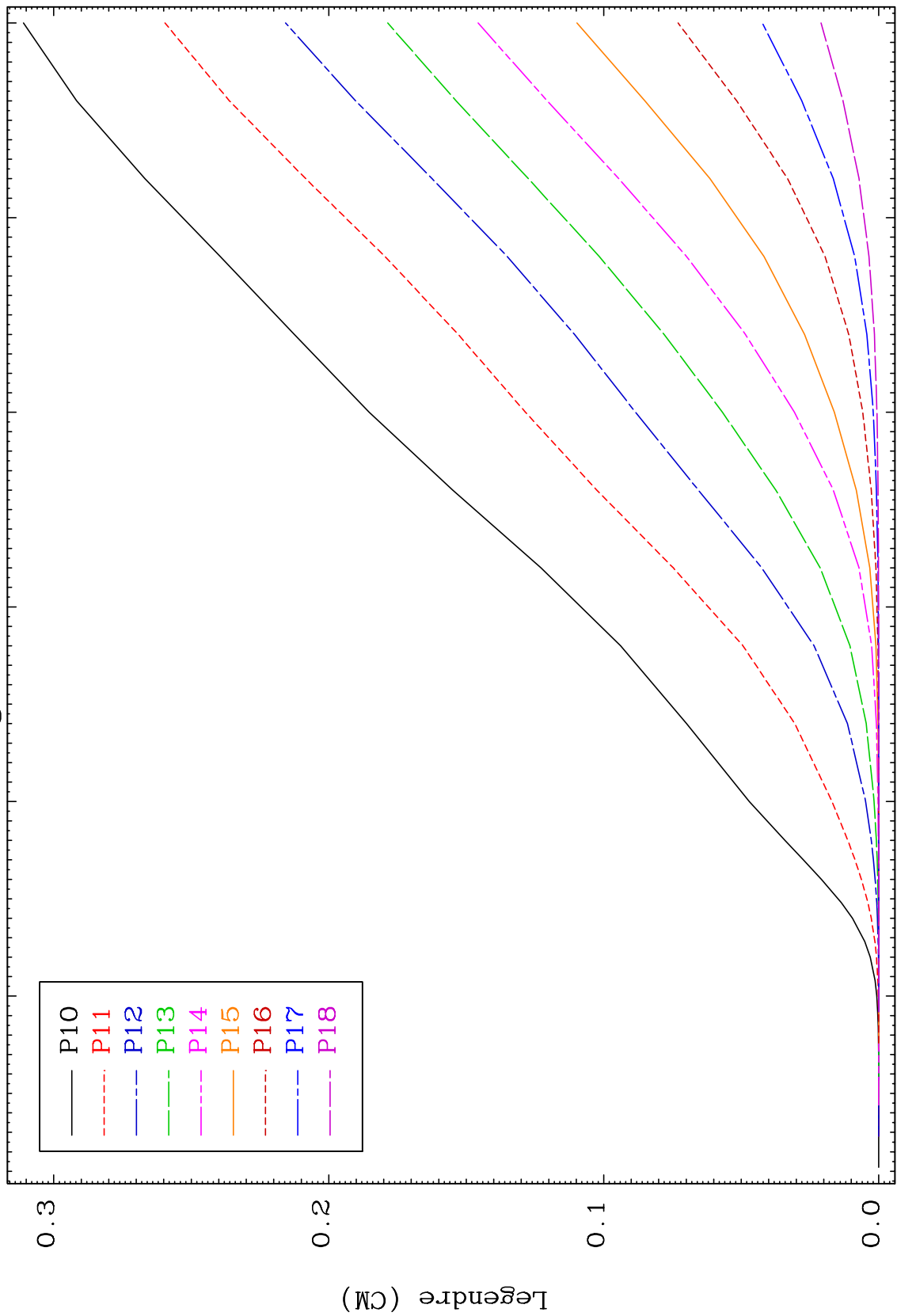
Incident Energy (MeV)

57-La-139

MAT 5728

Elastic Legendre Coefficients

57-La-139



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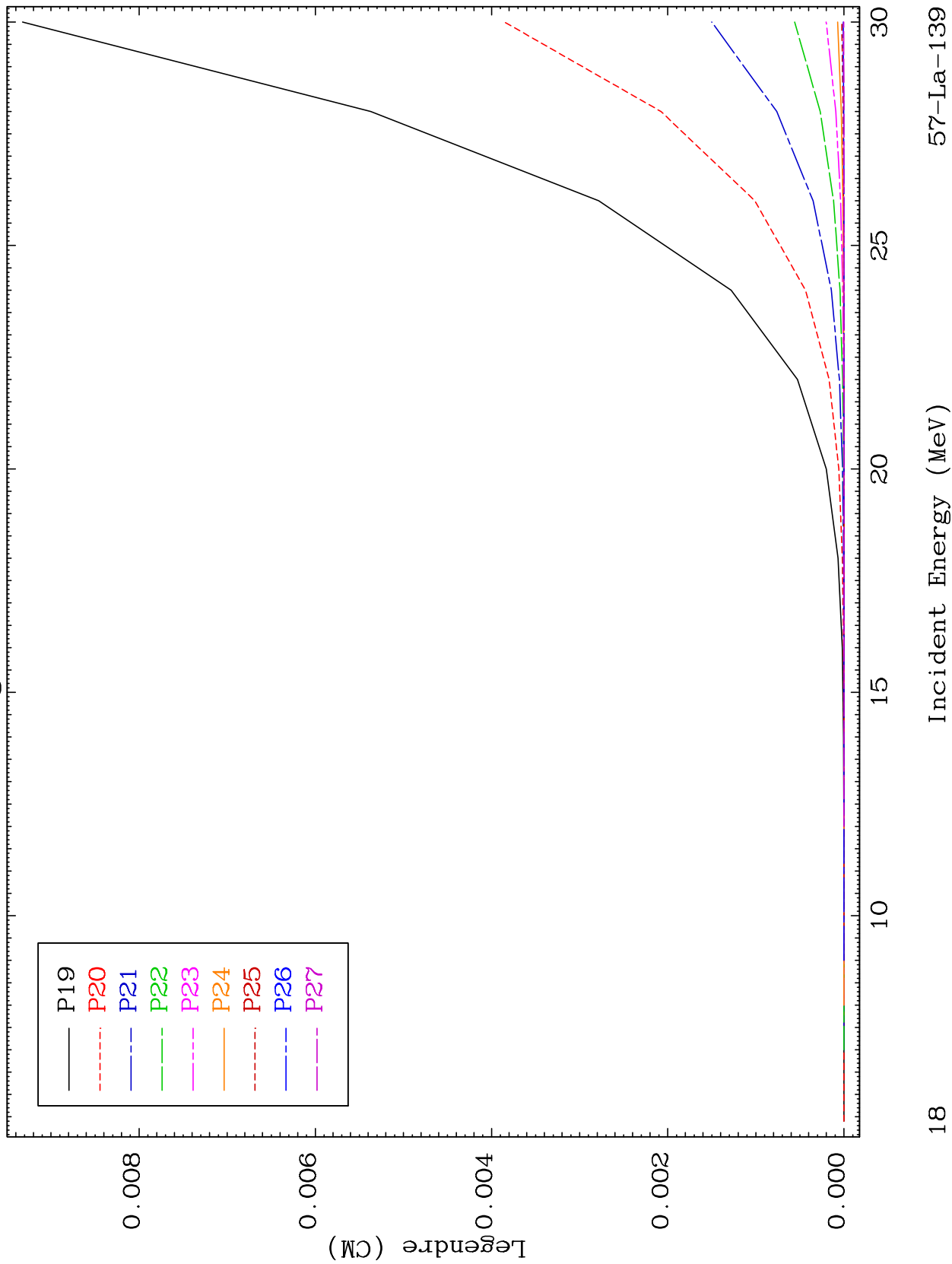
57-La-139

Incident Energy (MeV)

MAT 5728

Elastic Legendre Coefficients

57-La-139



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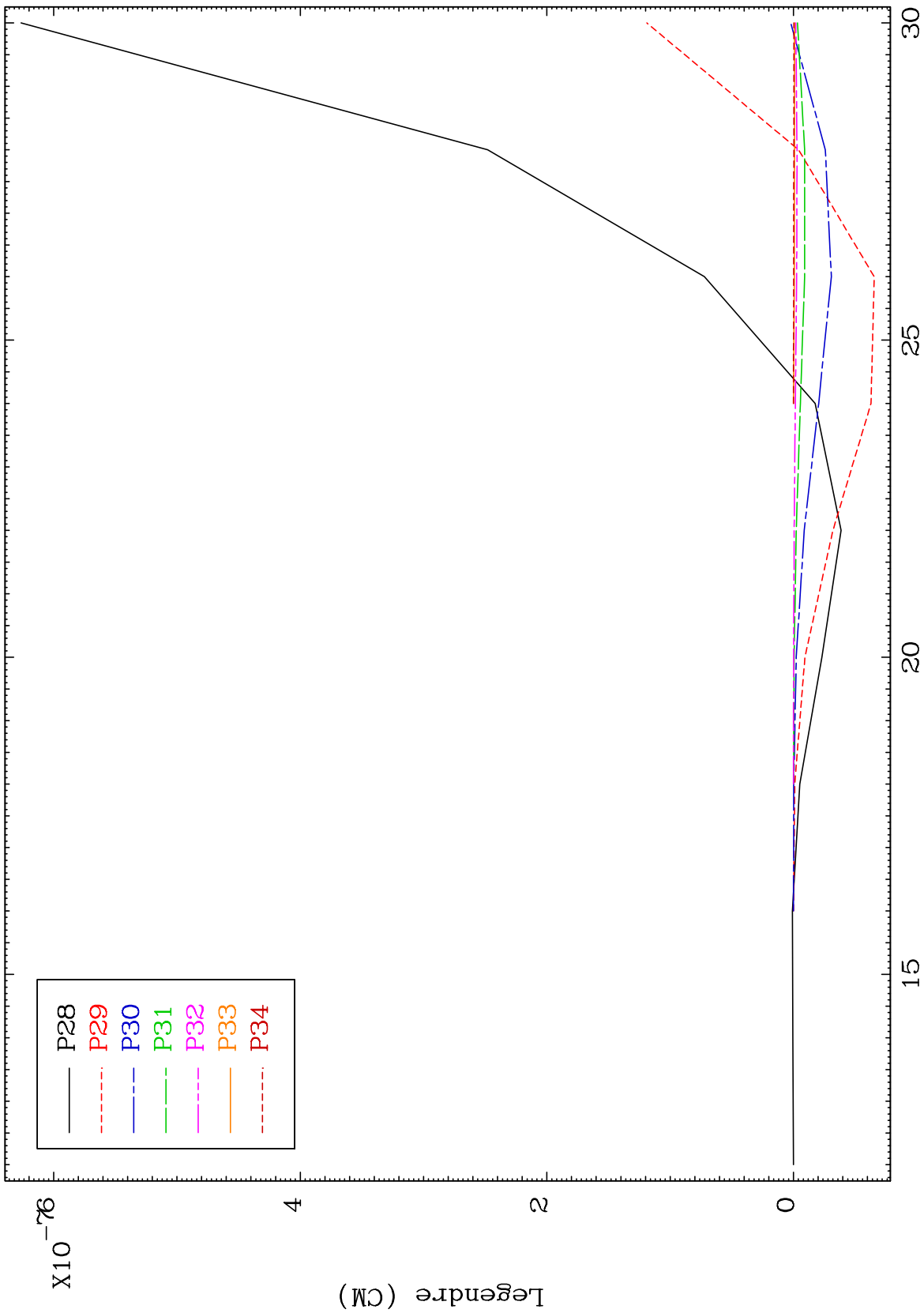
Incident Energy (MeV)

57-La-139

MAT 5728

Elastic Legendre Coefficients

57-La-139



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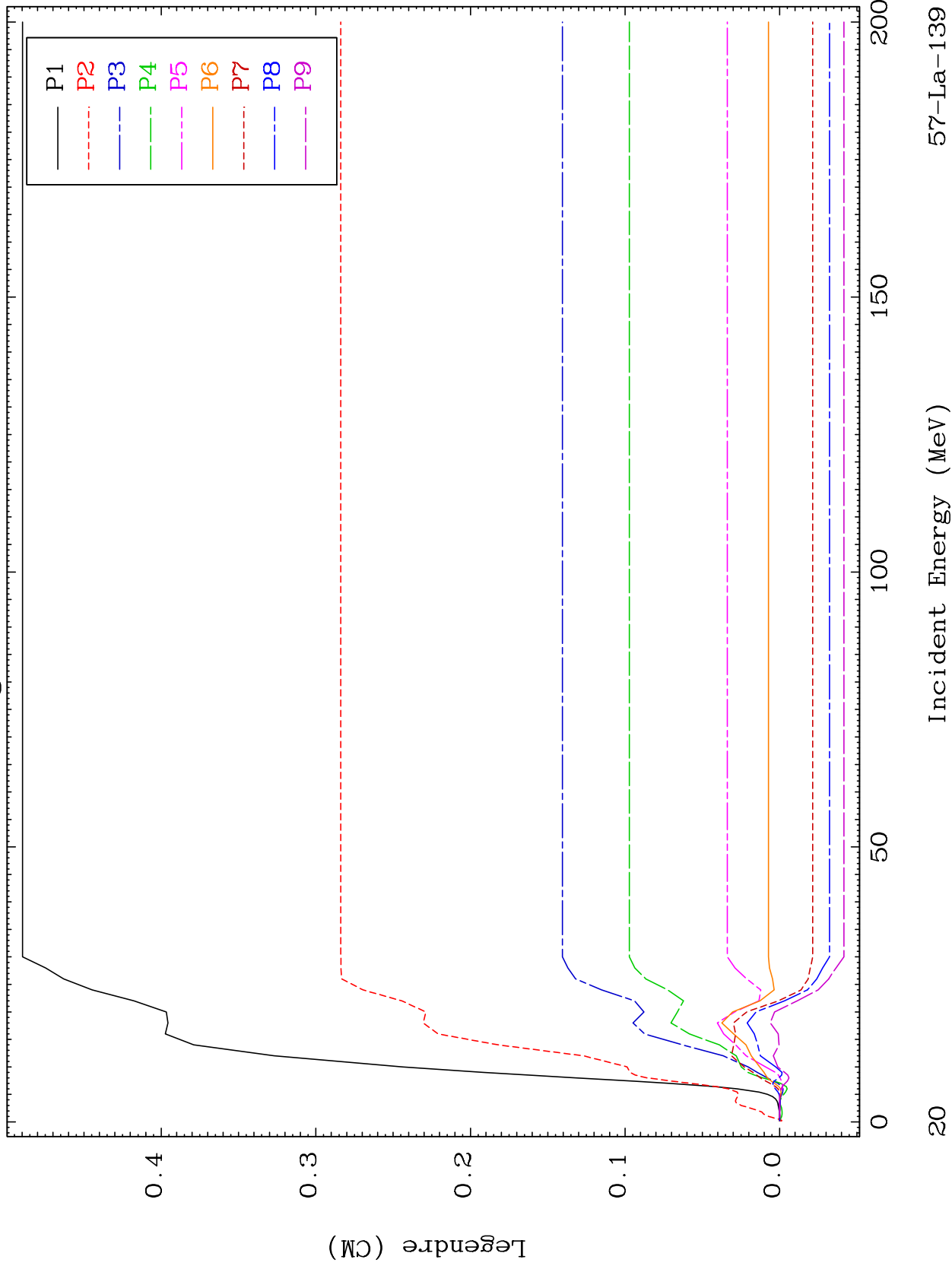
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



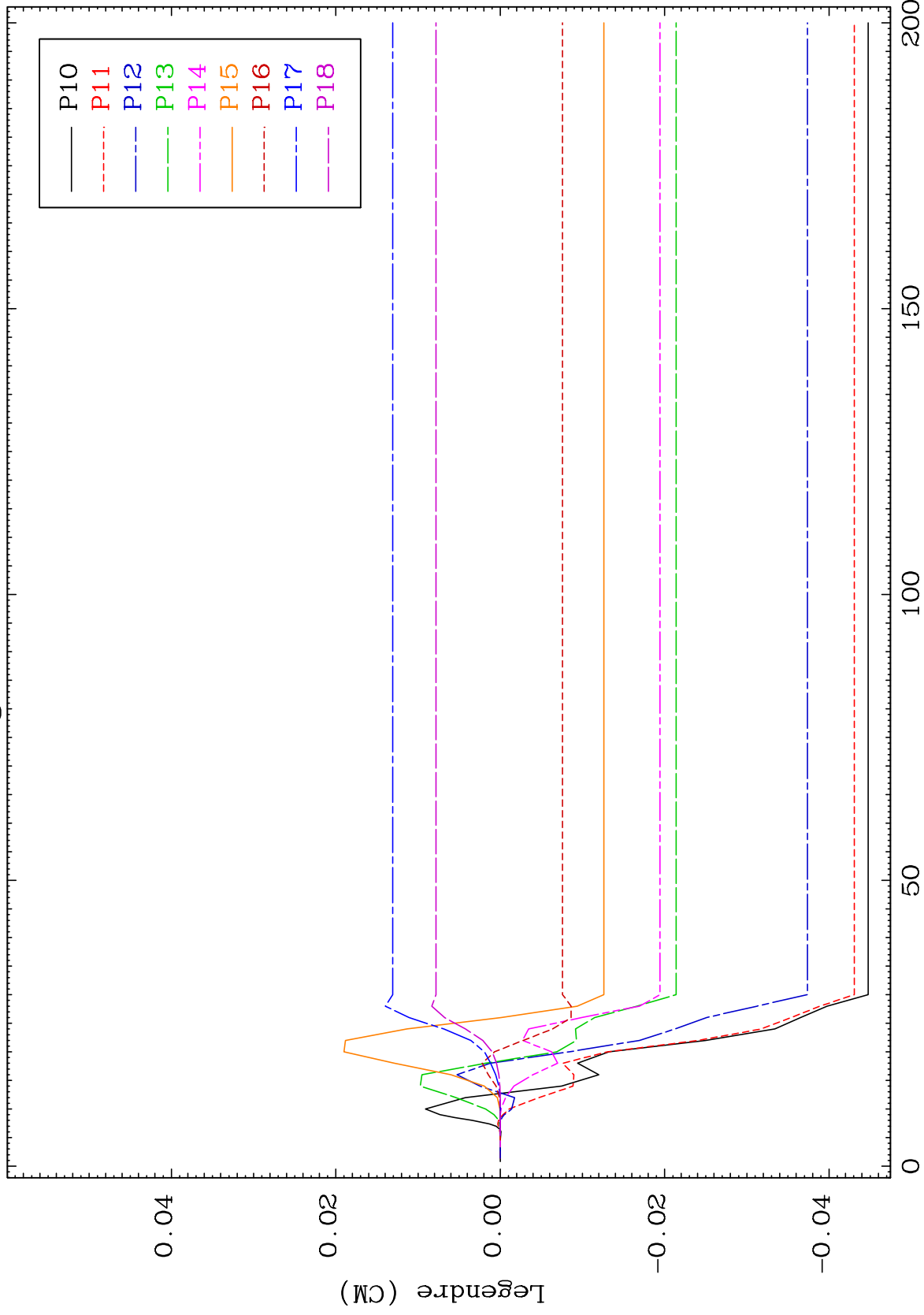
57-La-139

Incident Energy (MeV)

MAT 5728

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

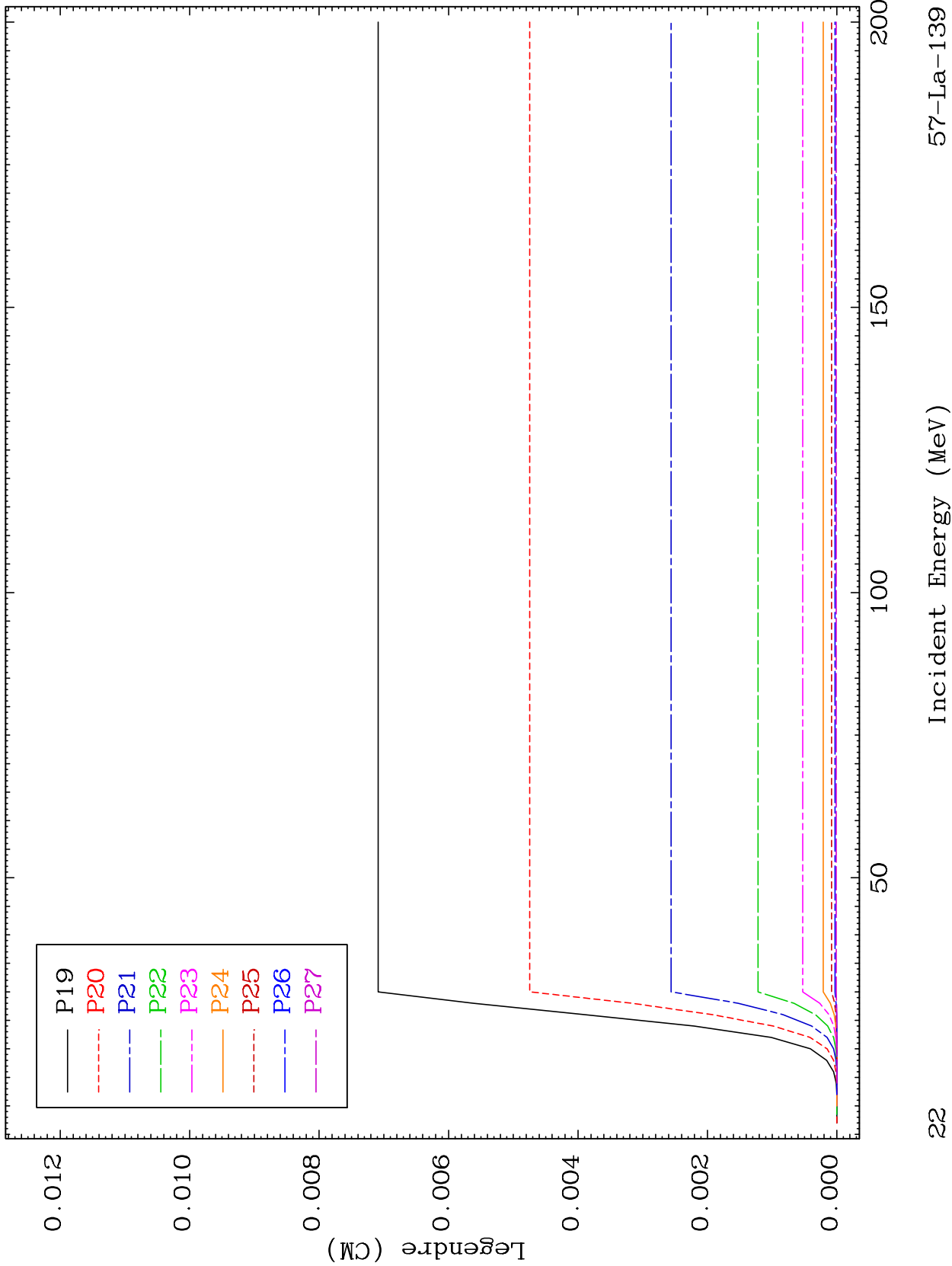
57-La-139



21

Incident Energy (MeV)

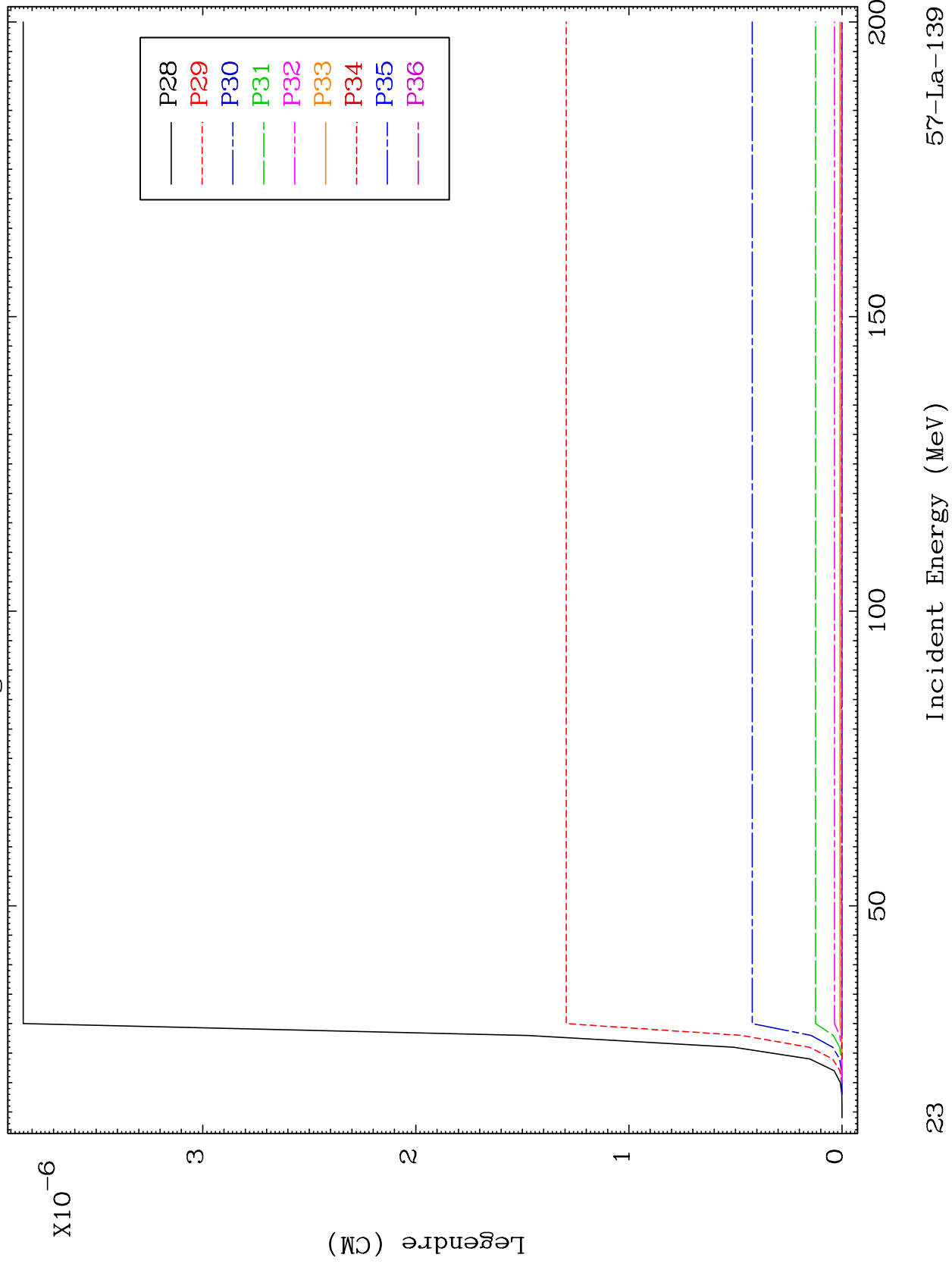
57-La-139



MAT 5728

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

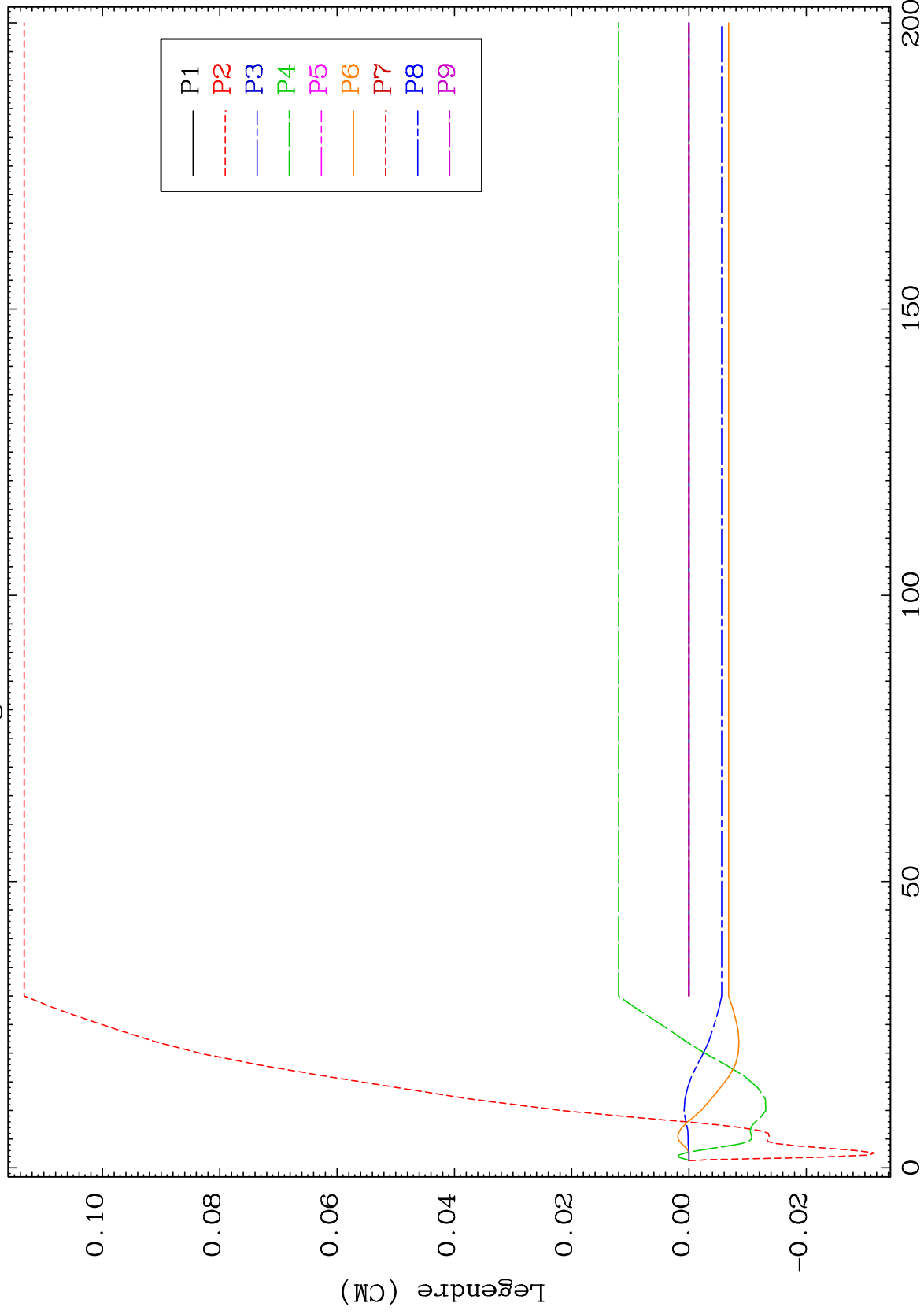
57-La-139



MAT 5728

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

57-La-139



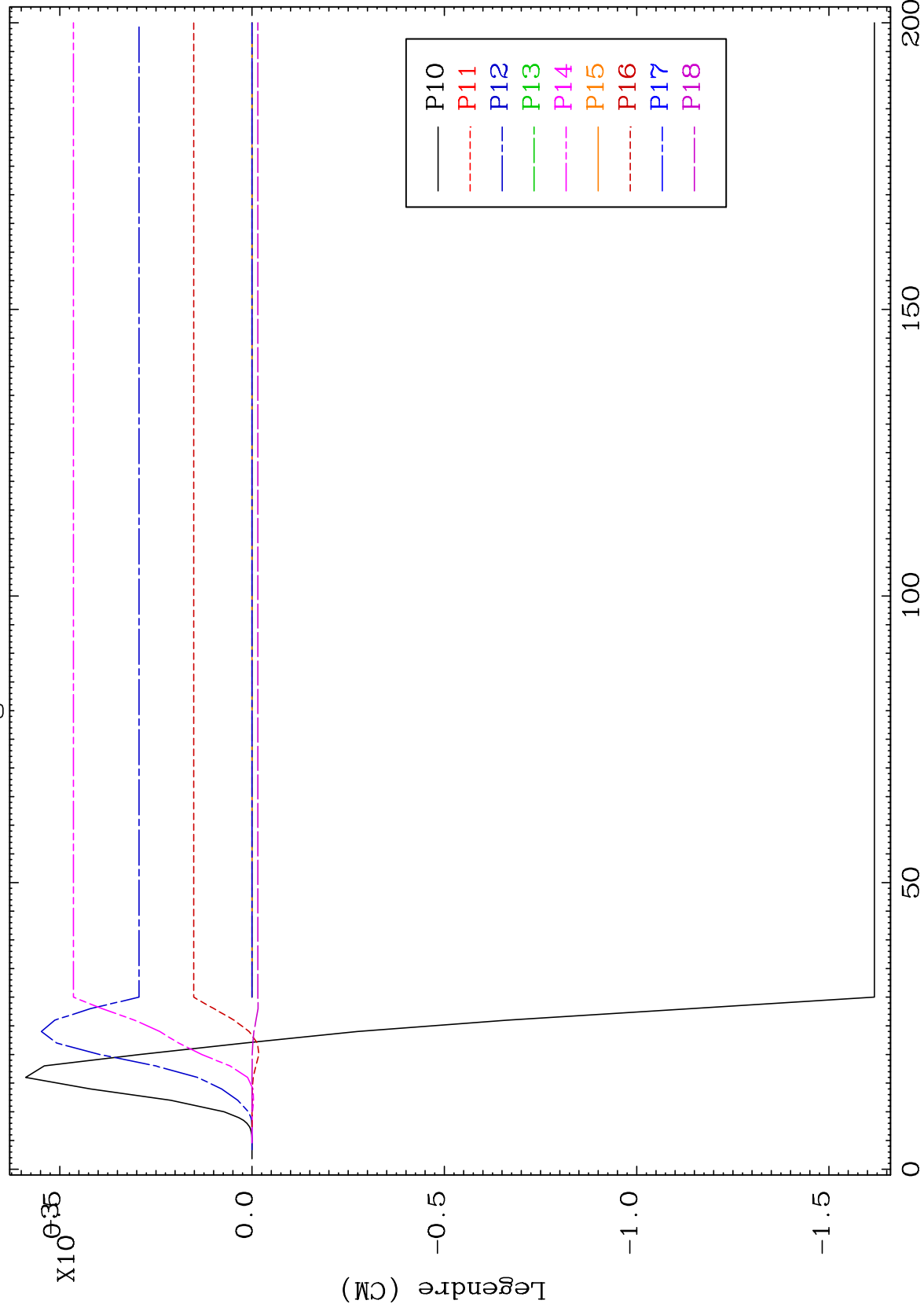
24

57-La-139

MAT 5728

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

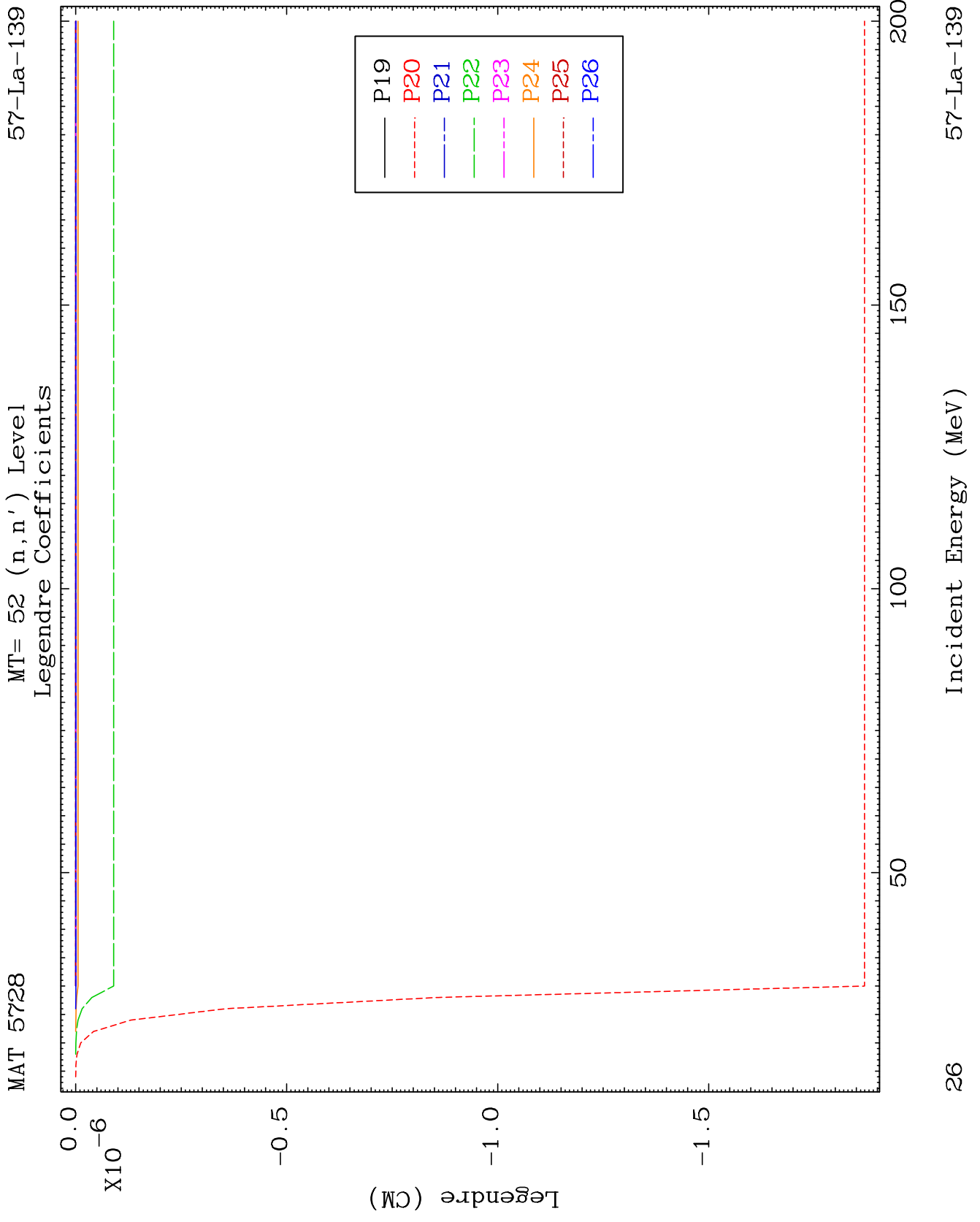
57-La-139



25

Incident Energy (MeV)

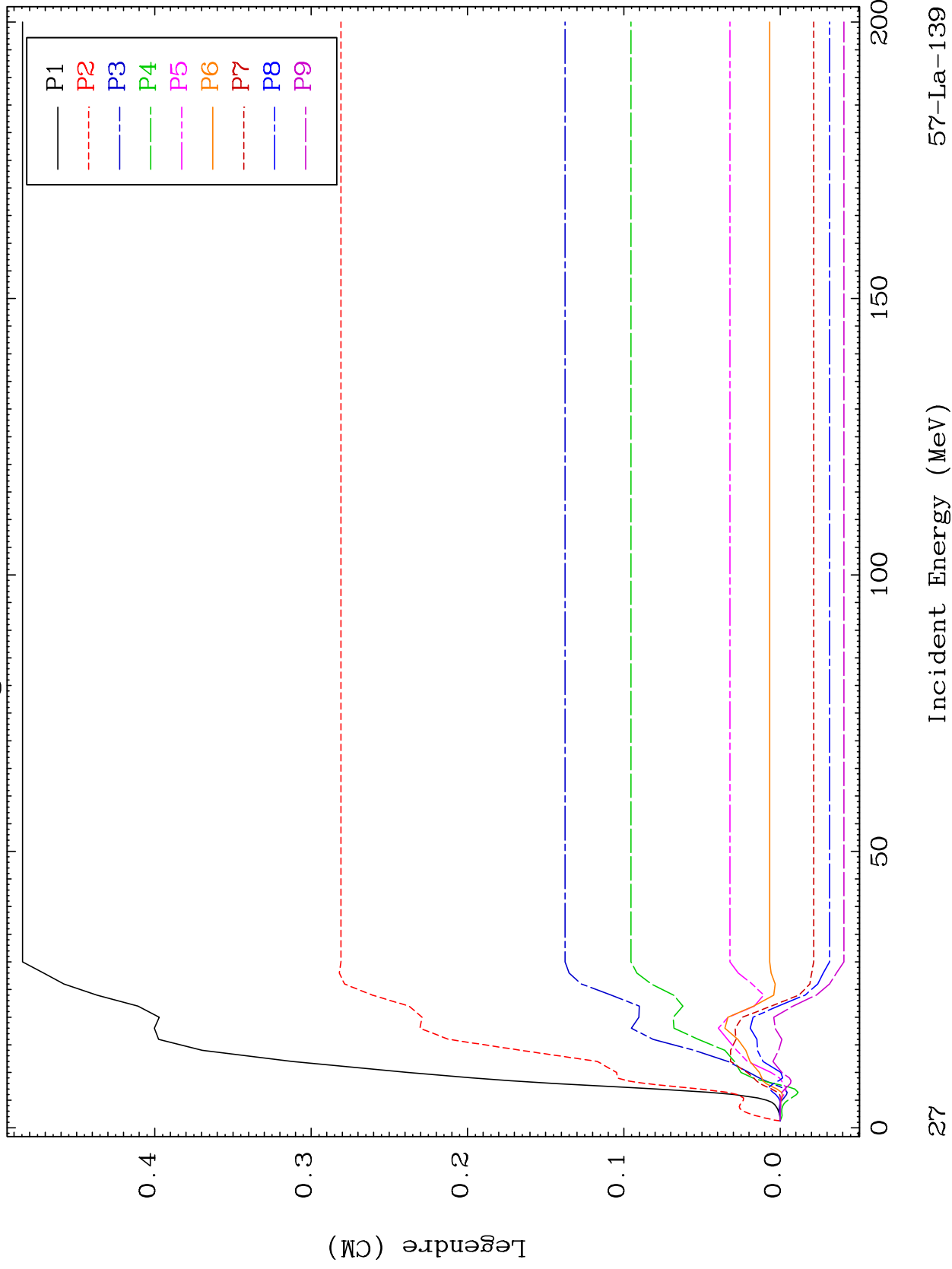
57-La-139



MAT 5728

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

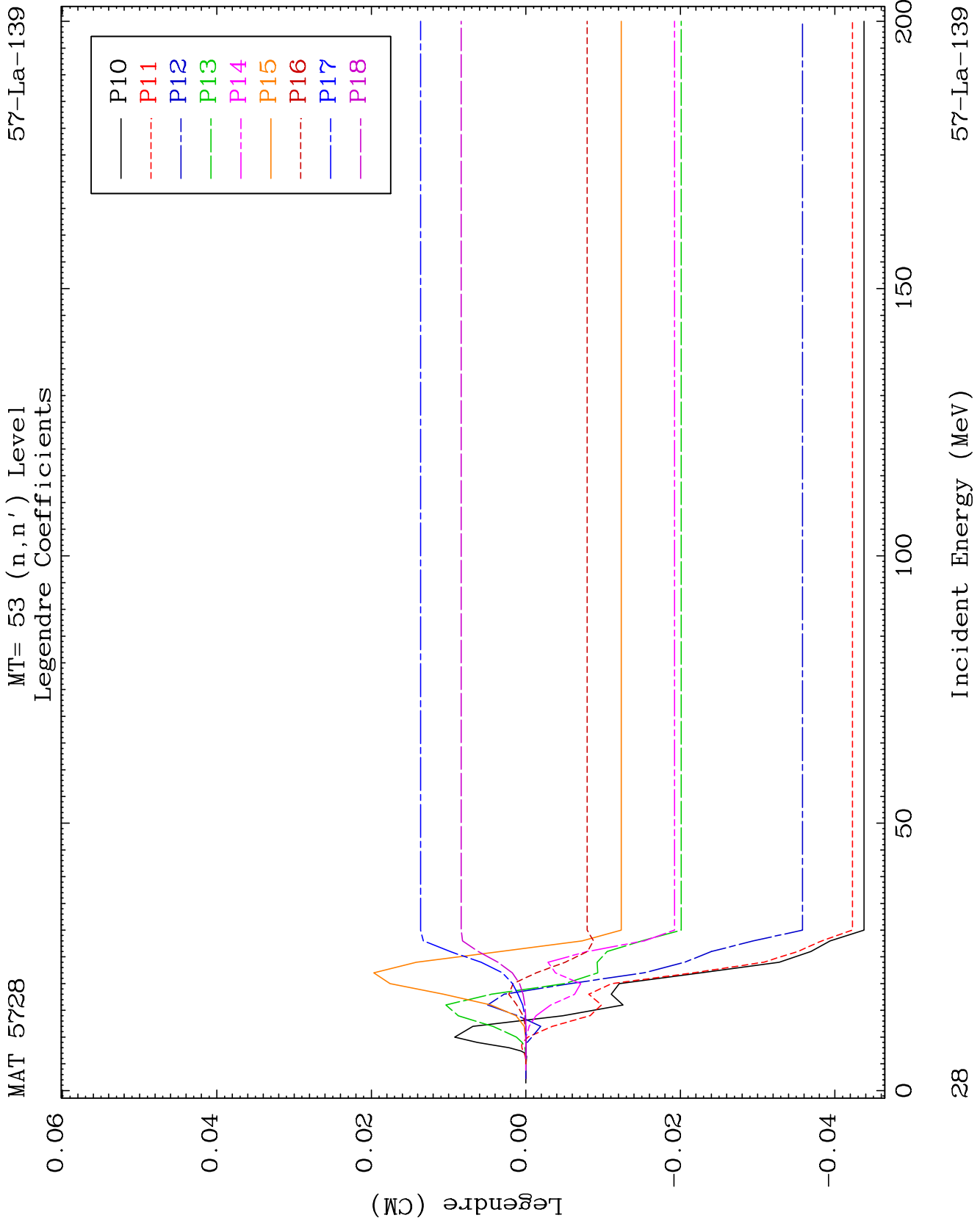
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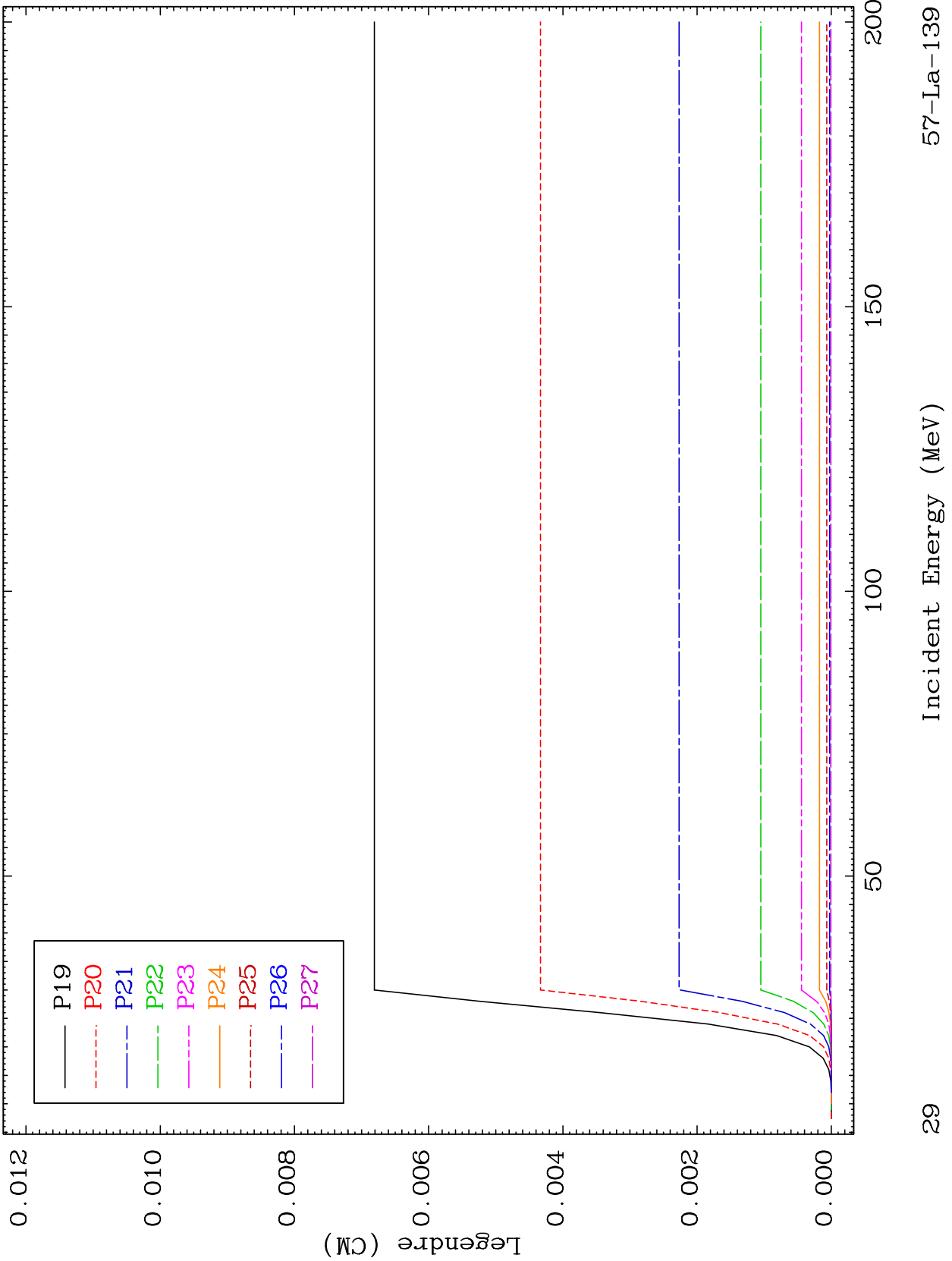


57-La-139

Incident Energy (MeV)

27

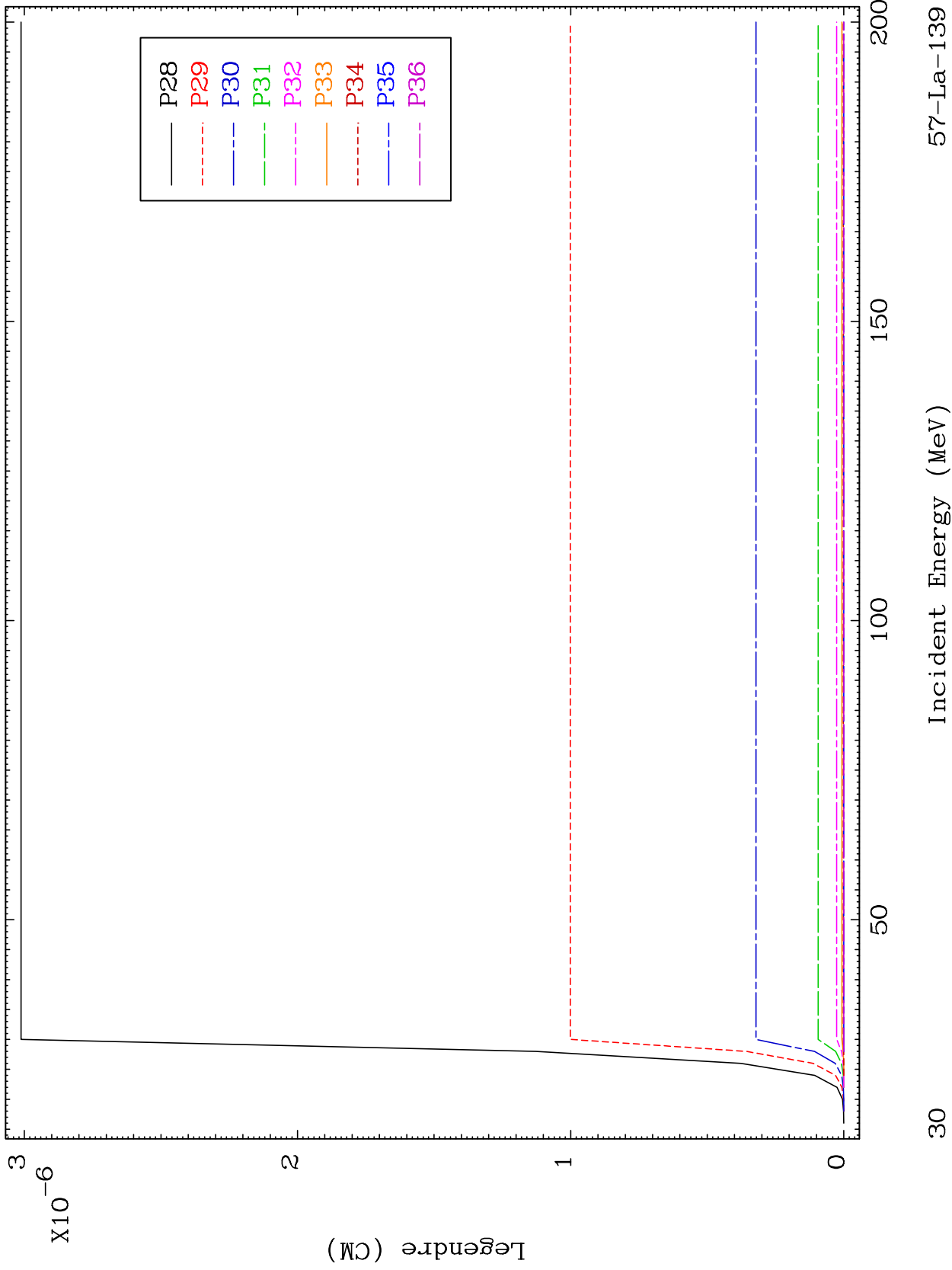




MAT 5728

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

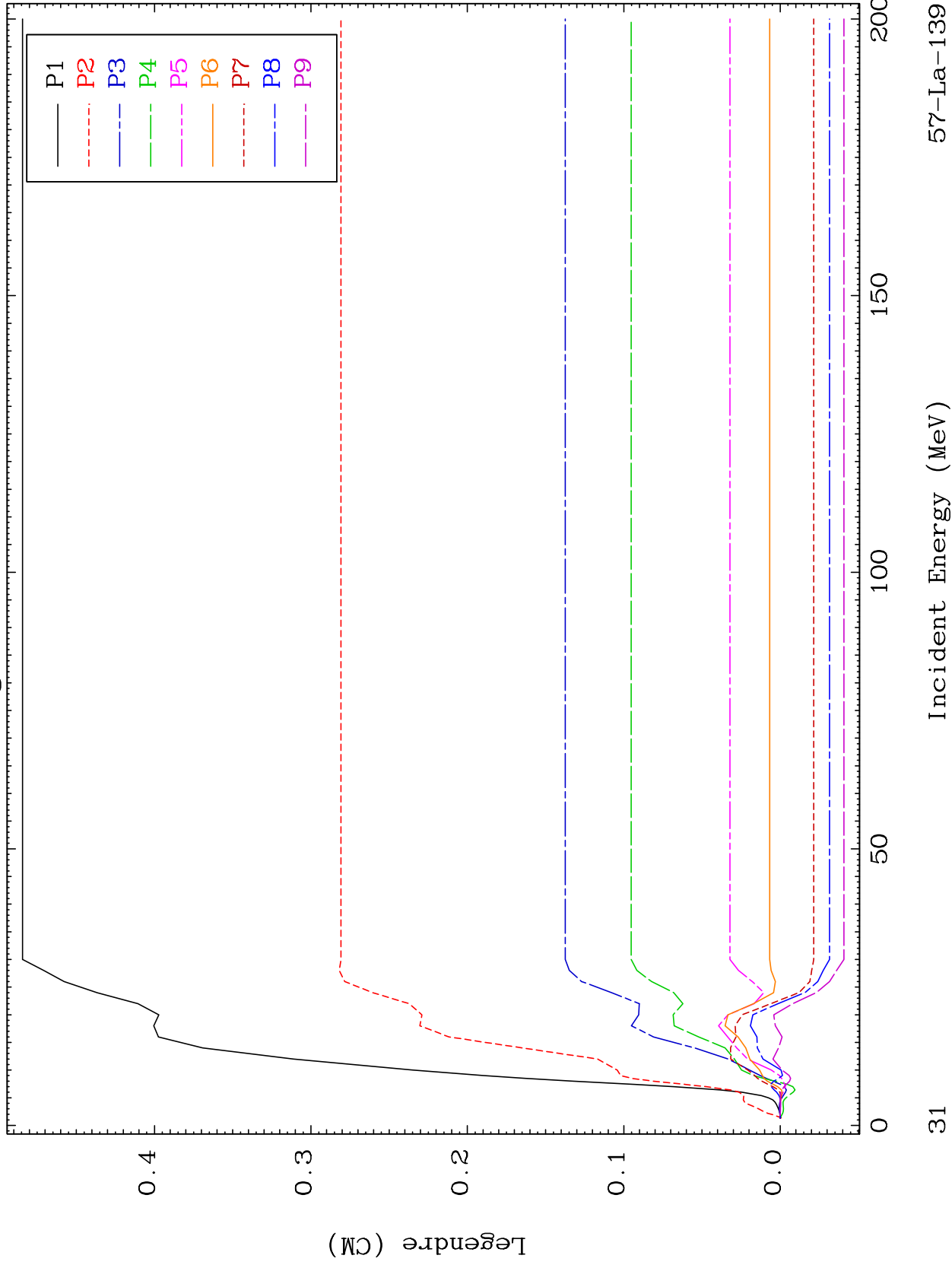
57-La-139



MAT 5728

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

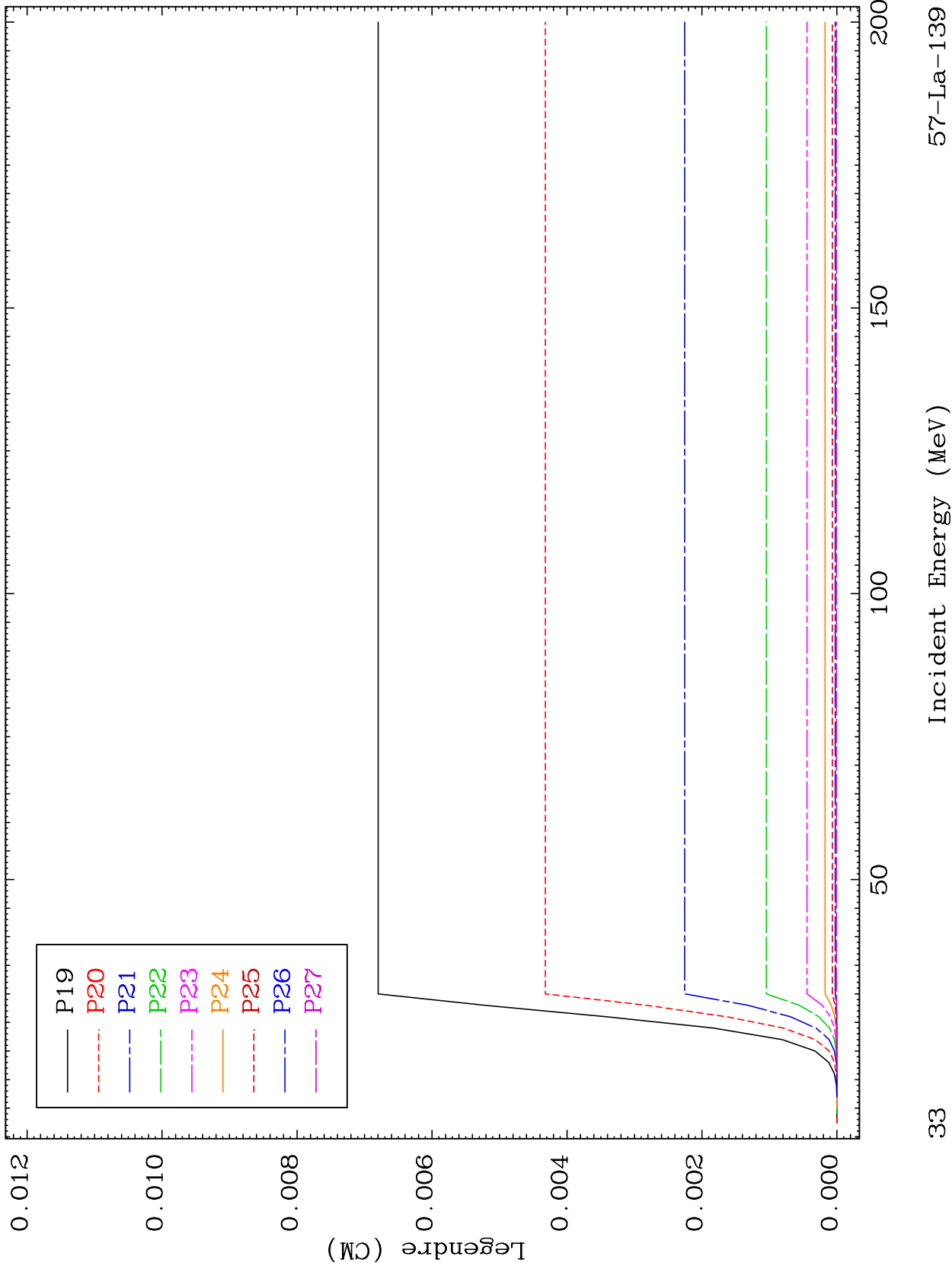
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Incident Energy (MeV)

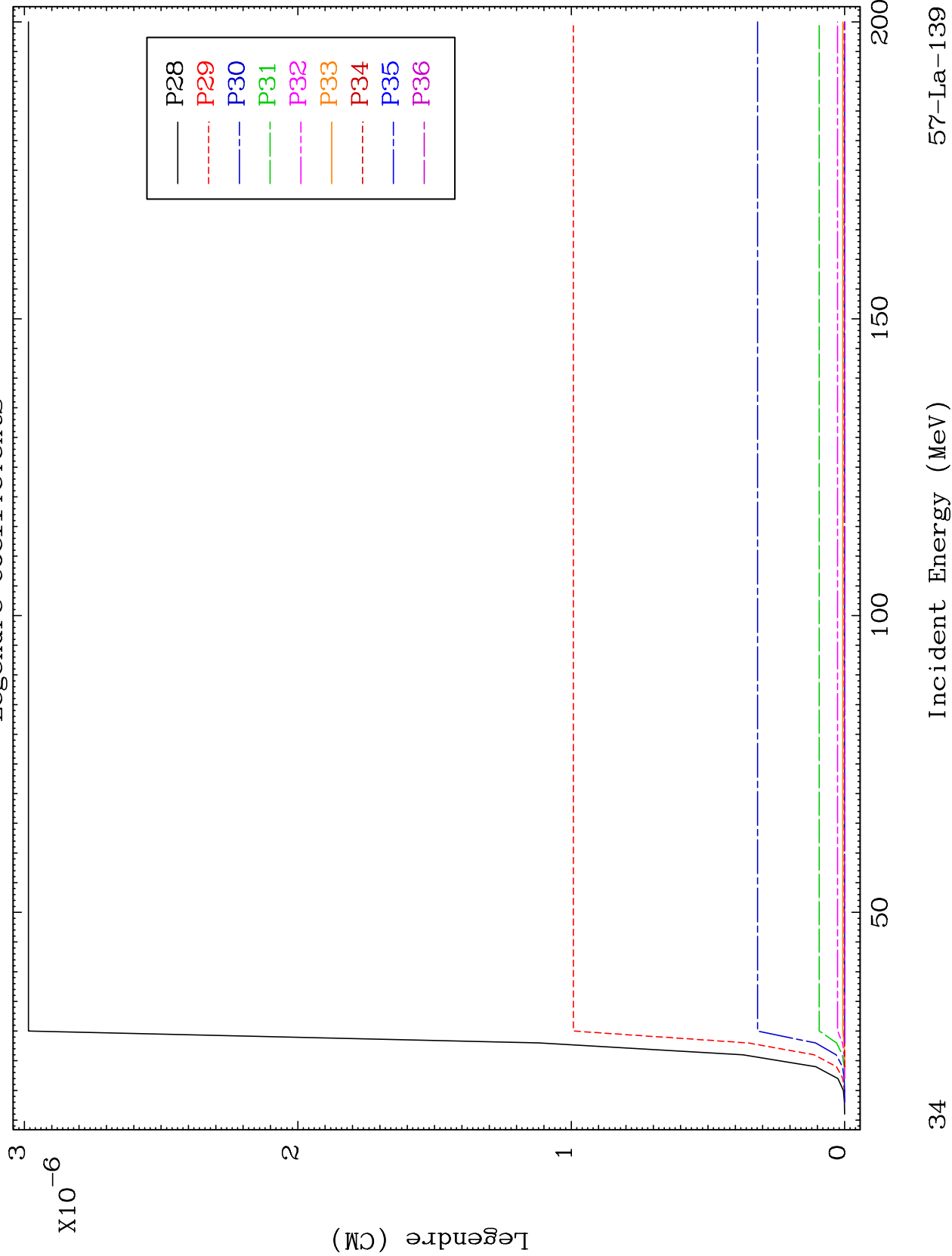
57-La-139



MAT 5728

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

57-La-139



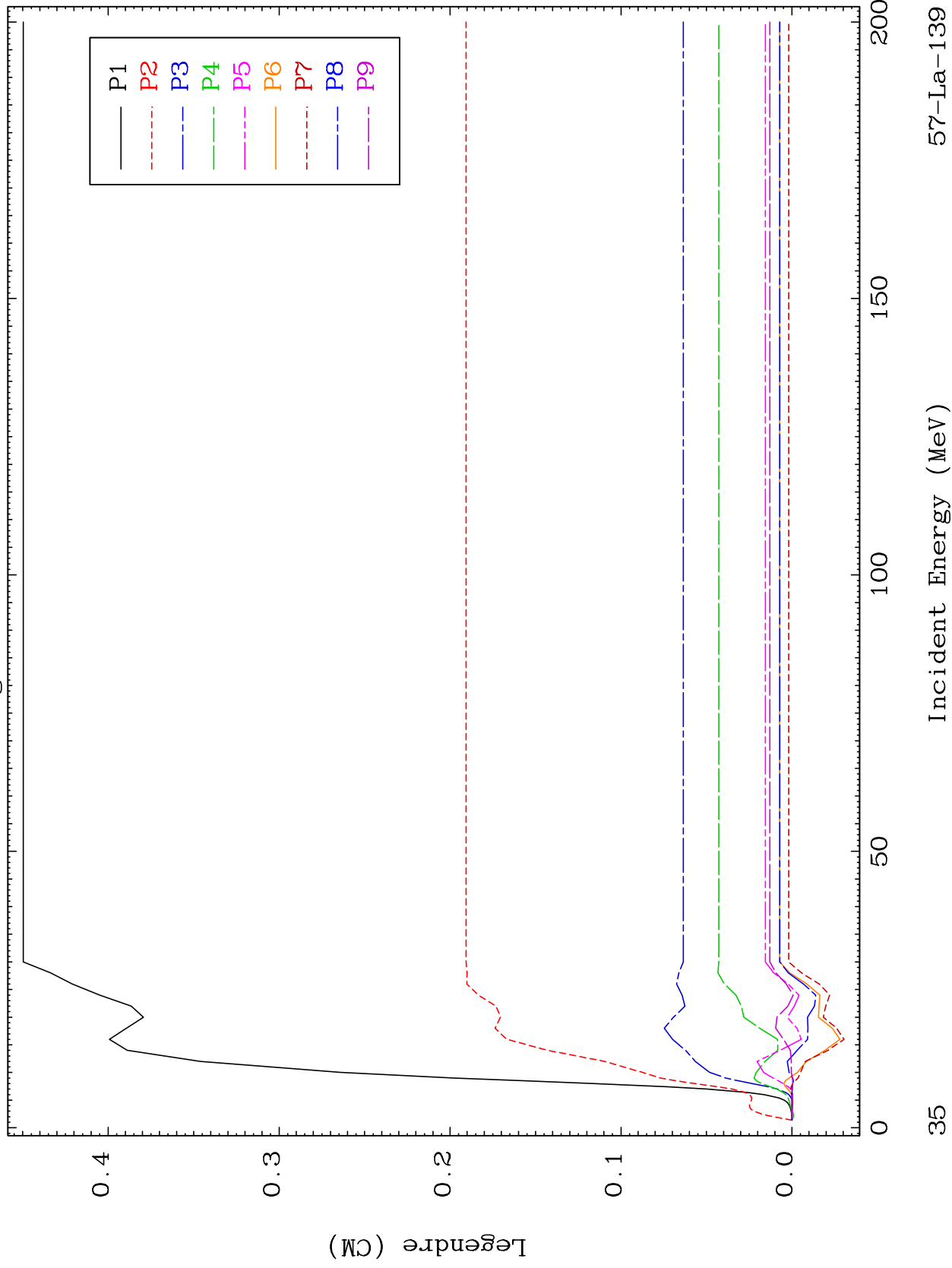
34

57-La-139

MAT 5728

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

57-La-139



57-La-139

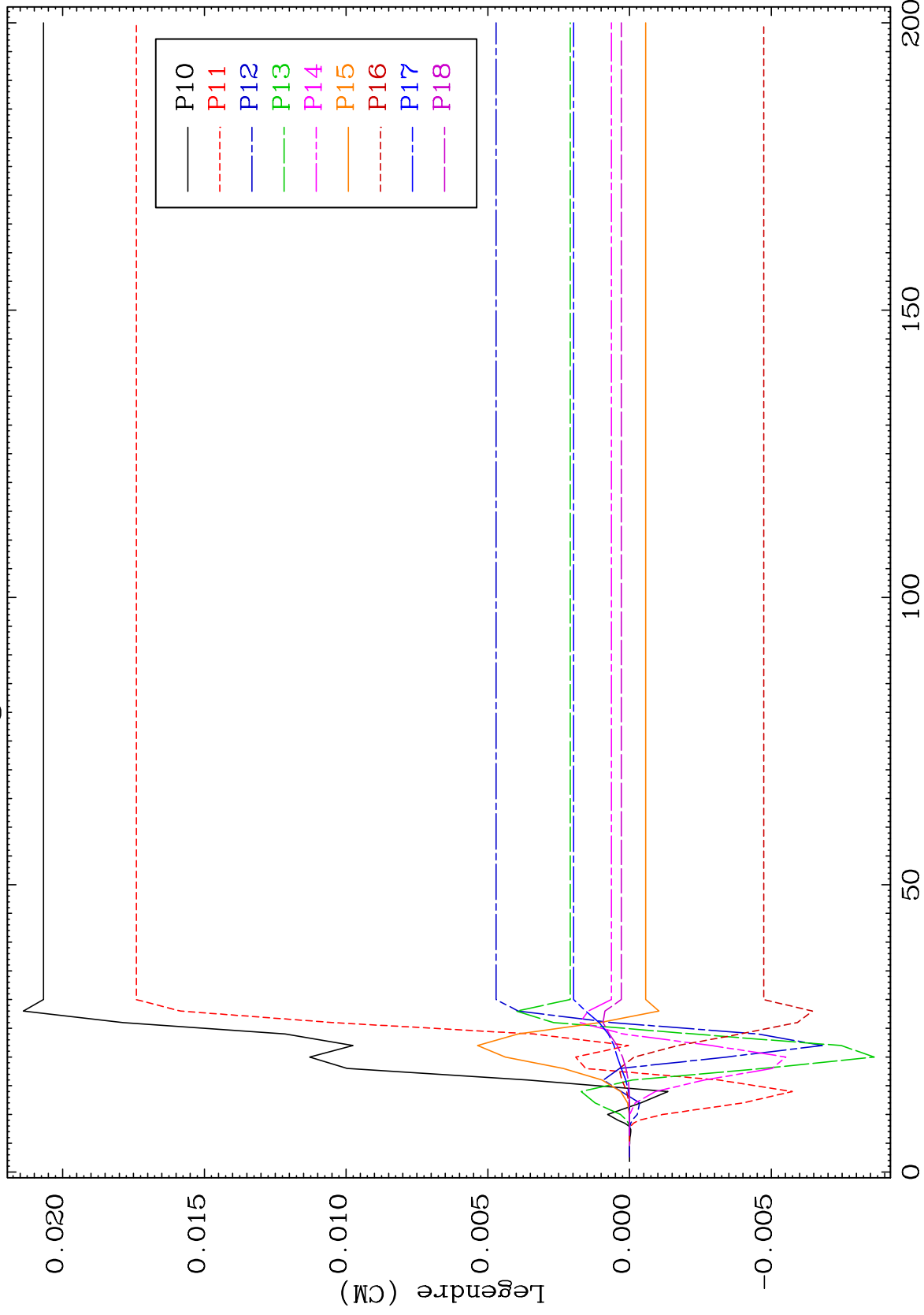
Incident Energy (MeV)

35

MAT 5728

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

57-La-139



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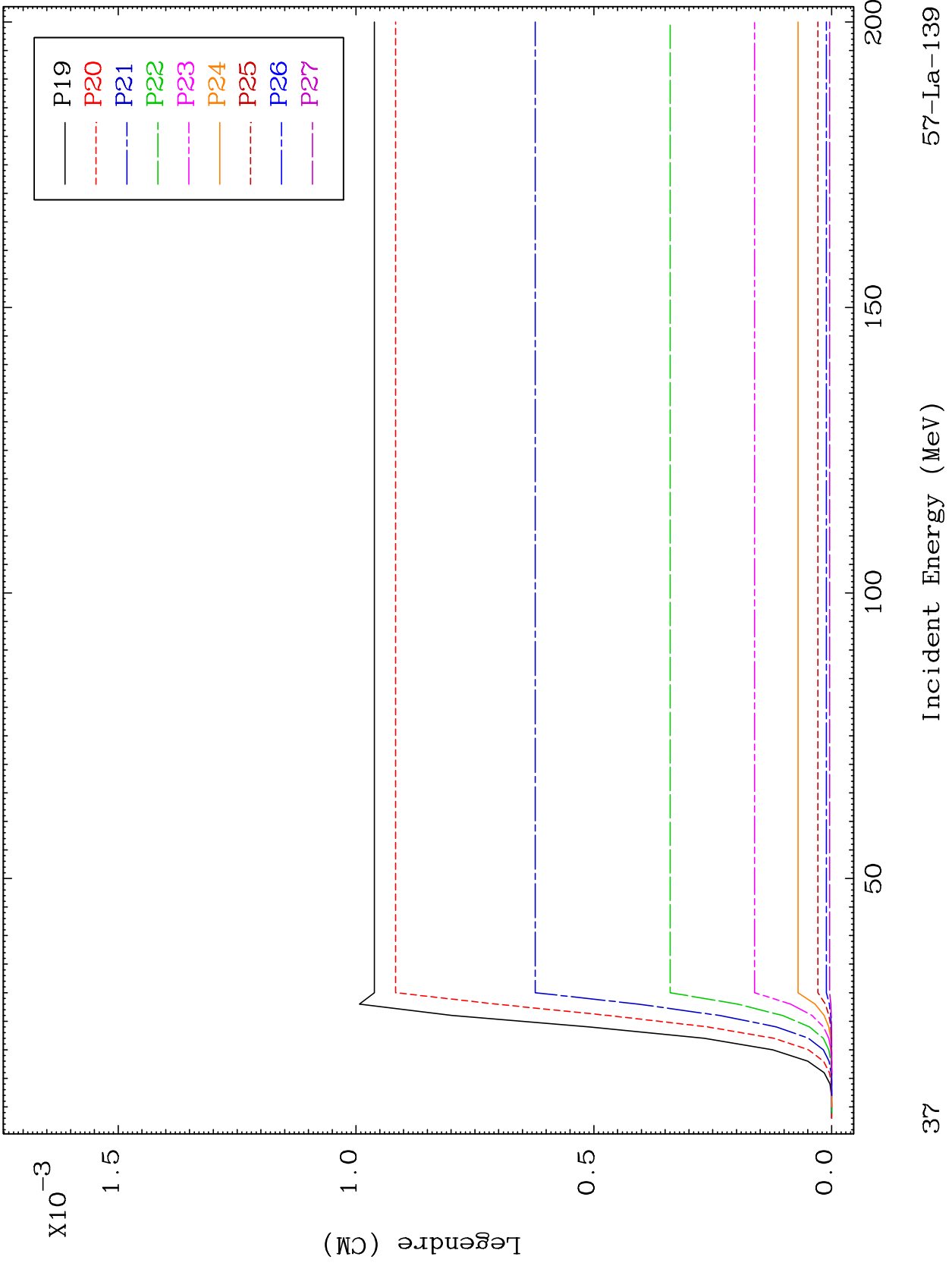
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



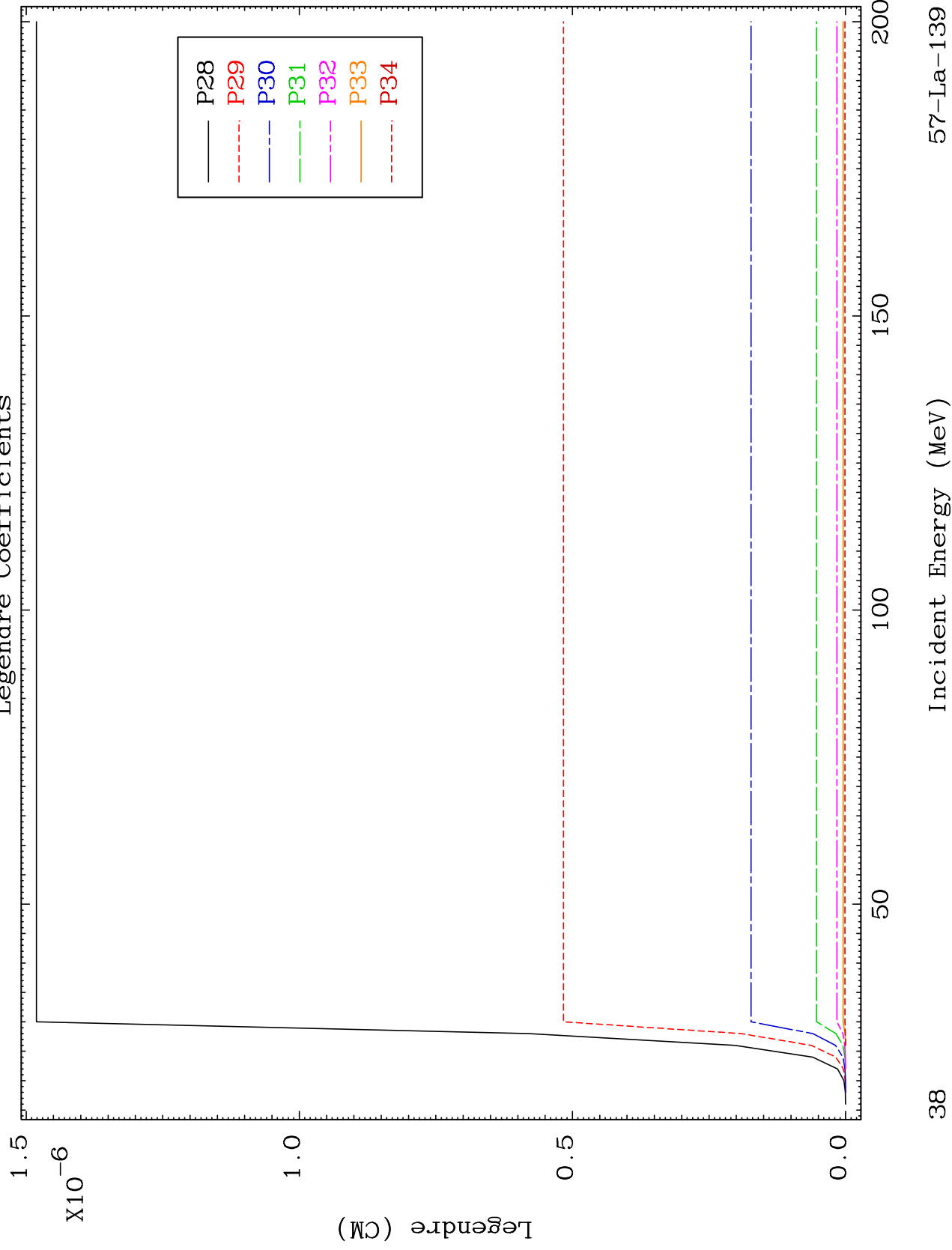
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57-La-139

MAT 5728

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

57-La-139



38

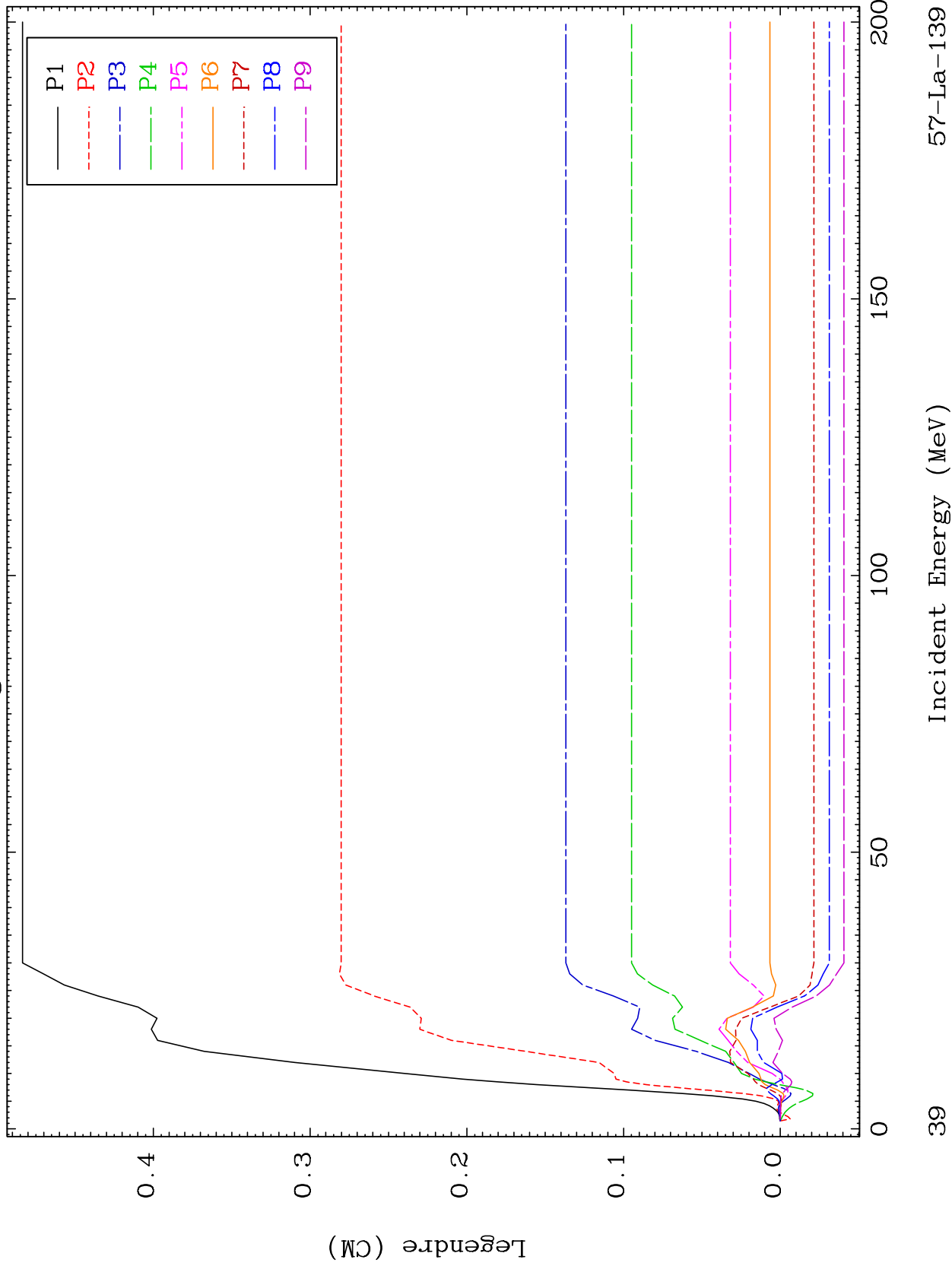
Incident Energy (MeV)

57-La-139

MAT 5728

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

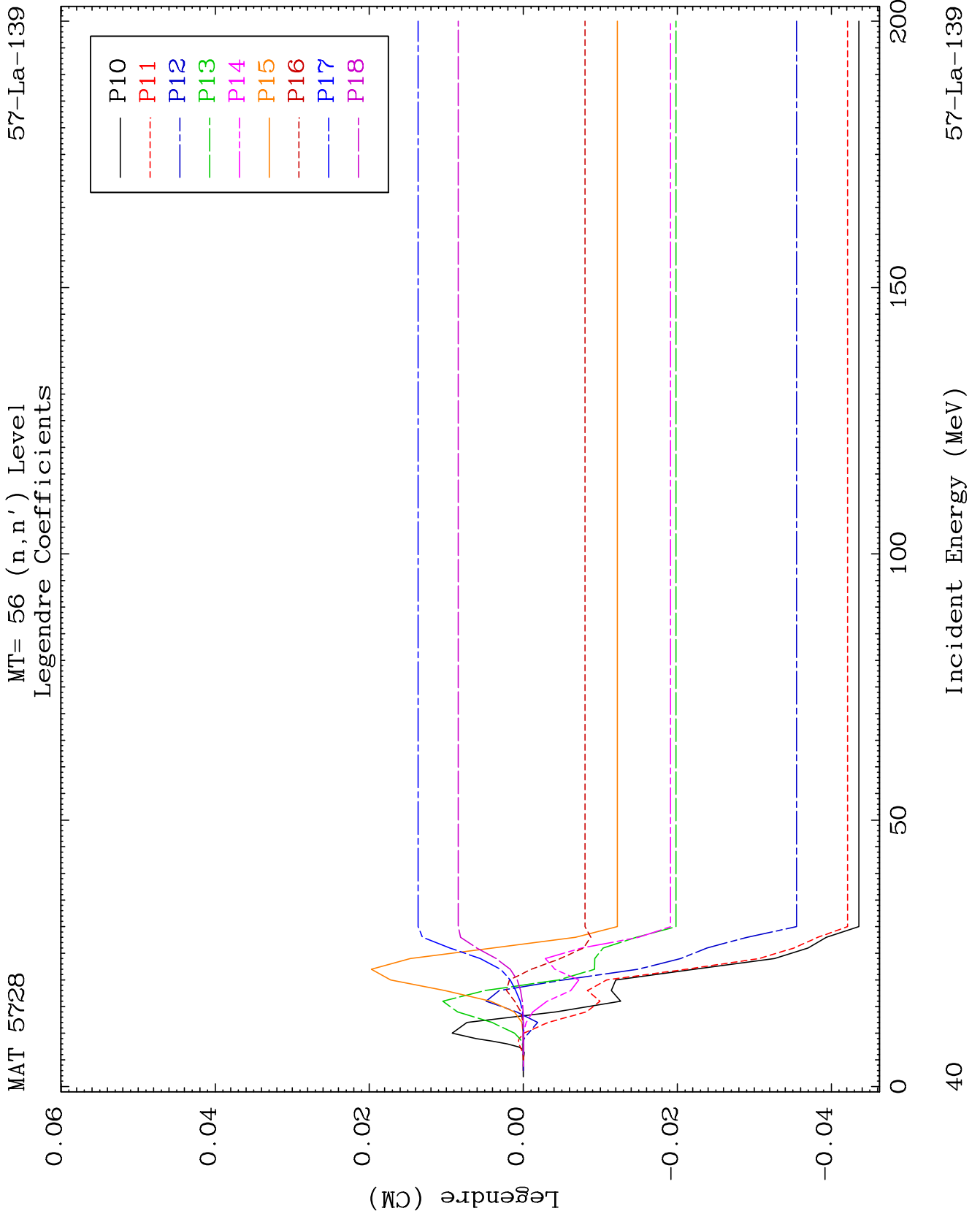
57-La-139



57-La-139

Incident Energy (MeV)

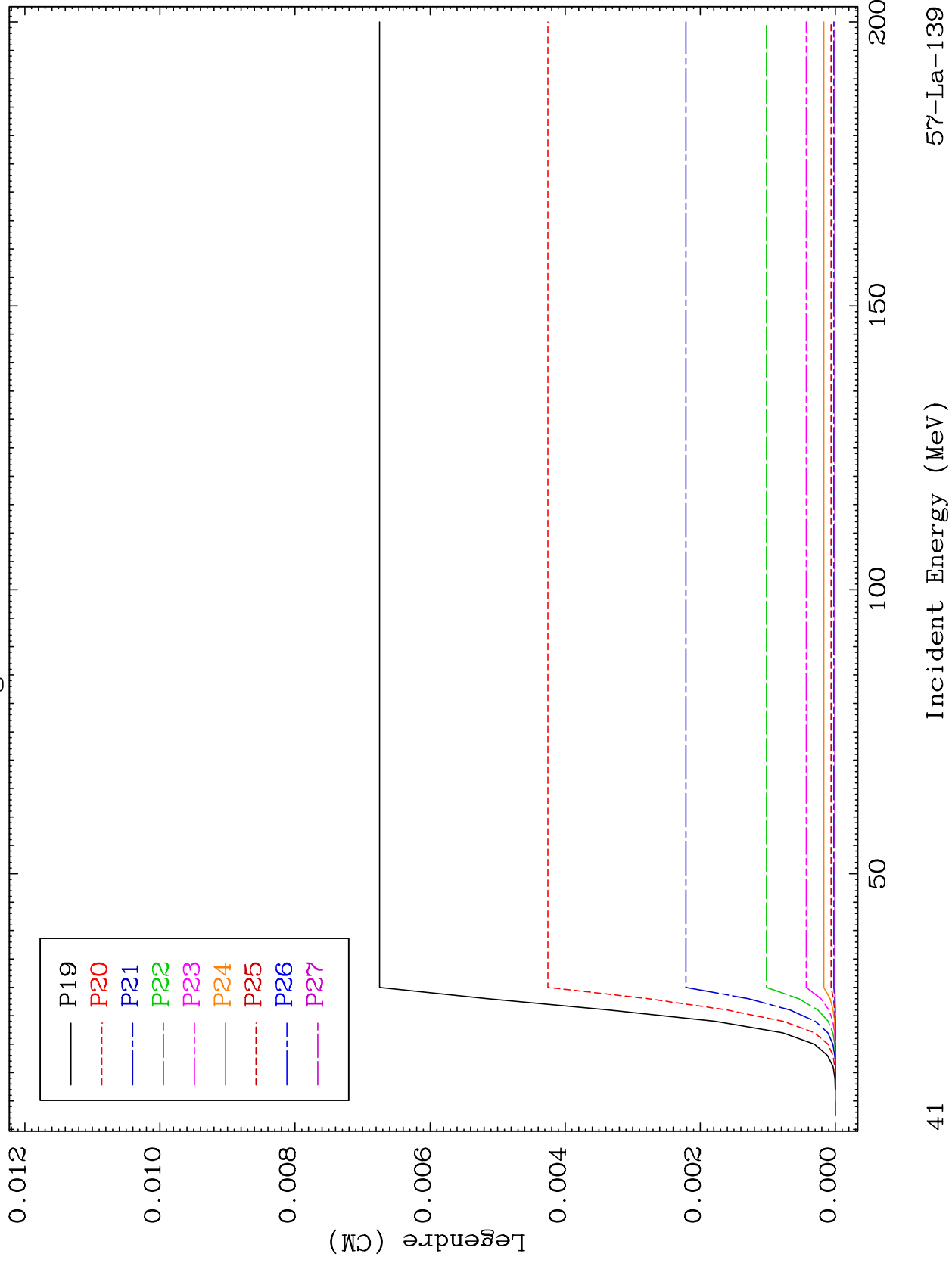
39



MAT 5728

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

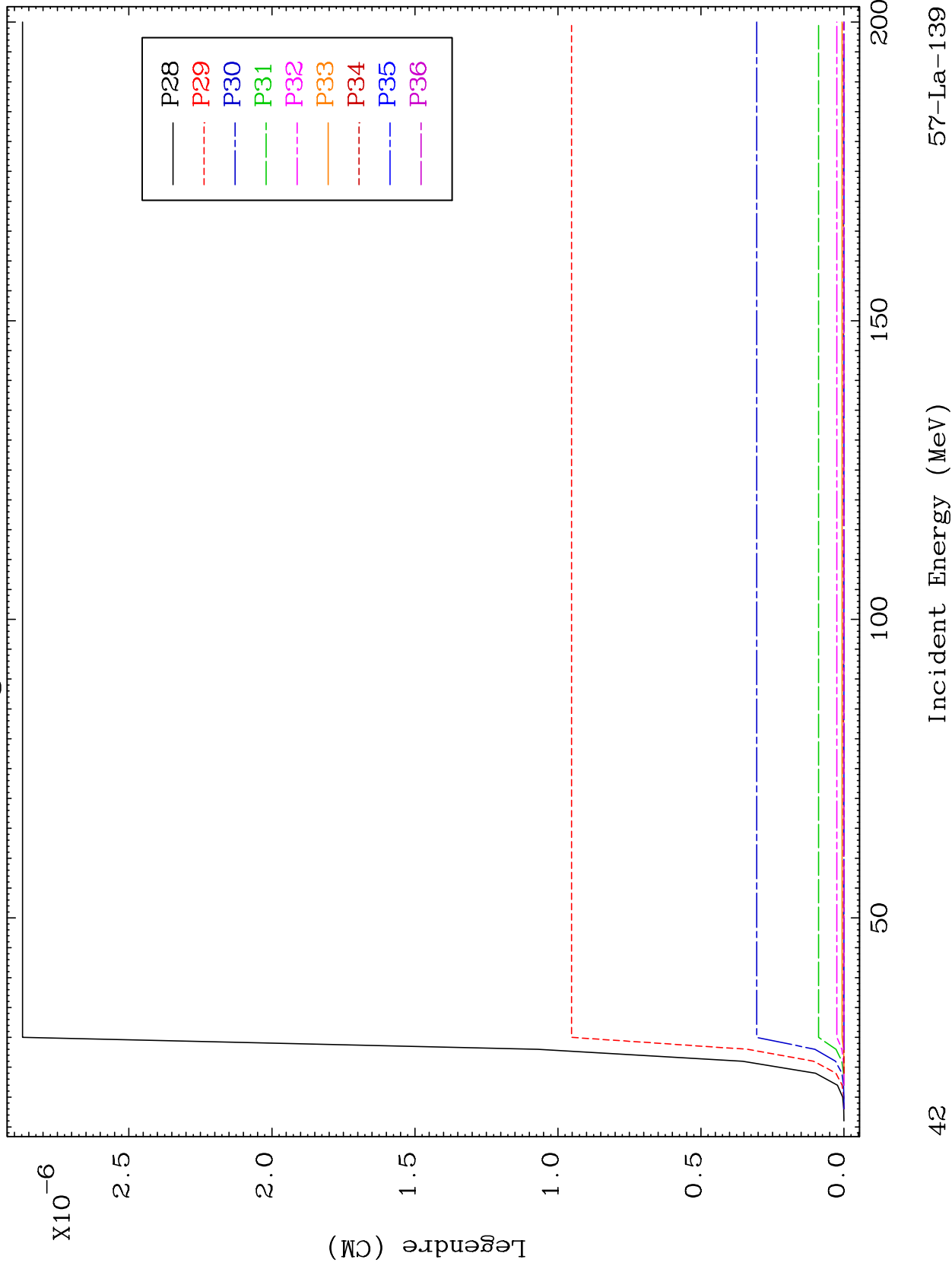
57-La-139



MAT 5728

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

57-La-139



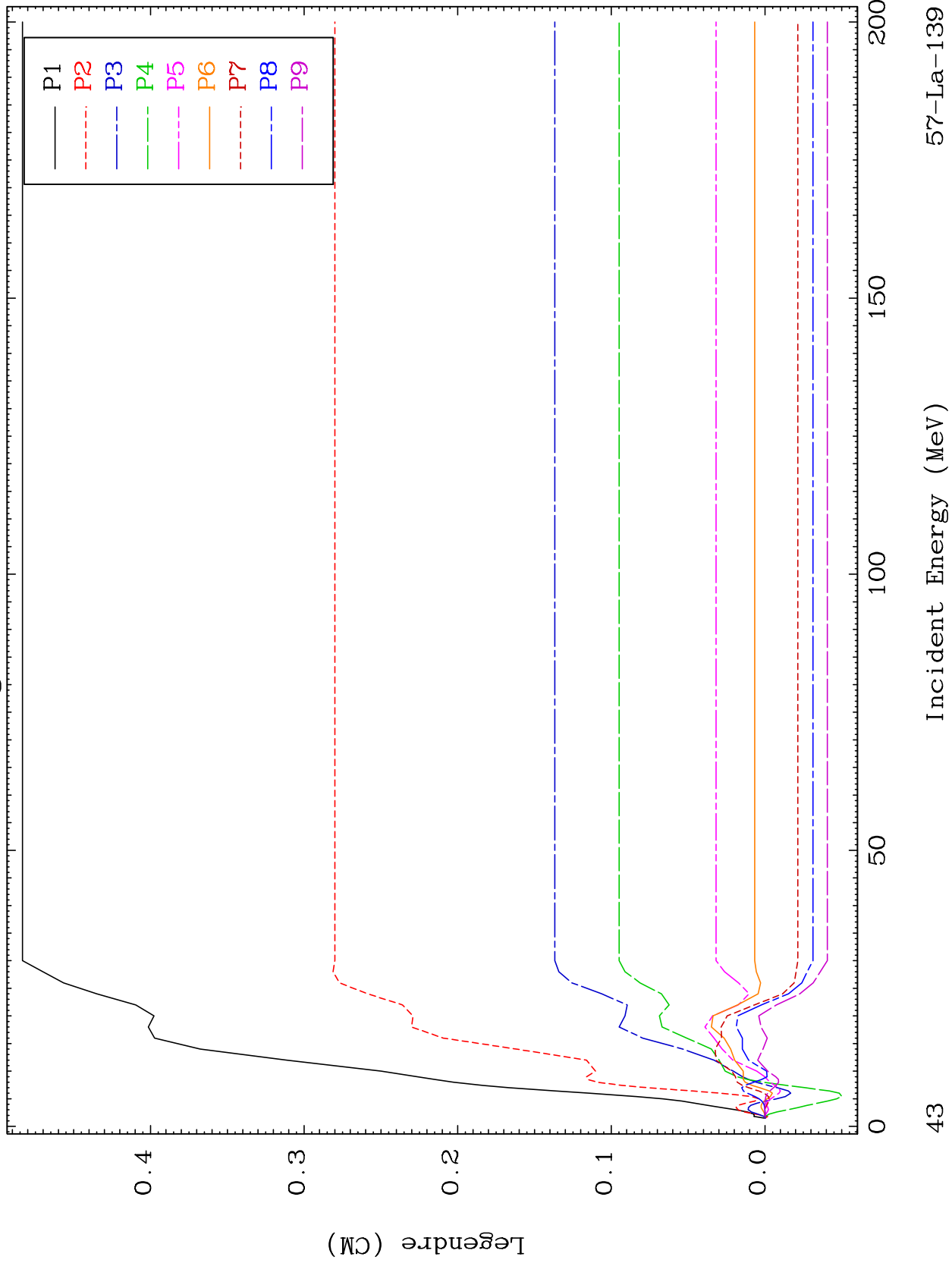
42

57-La-139

MAT 5728

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

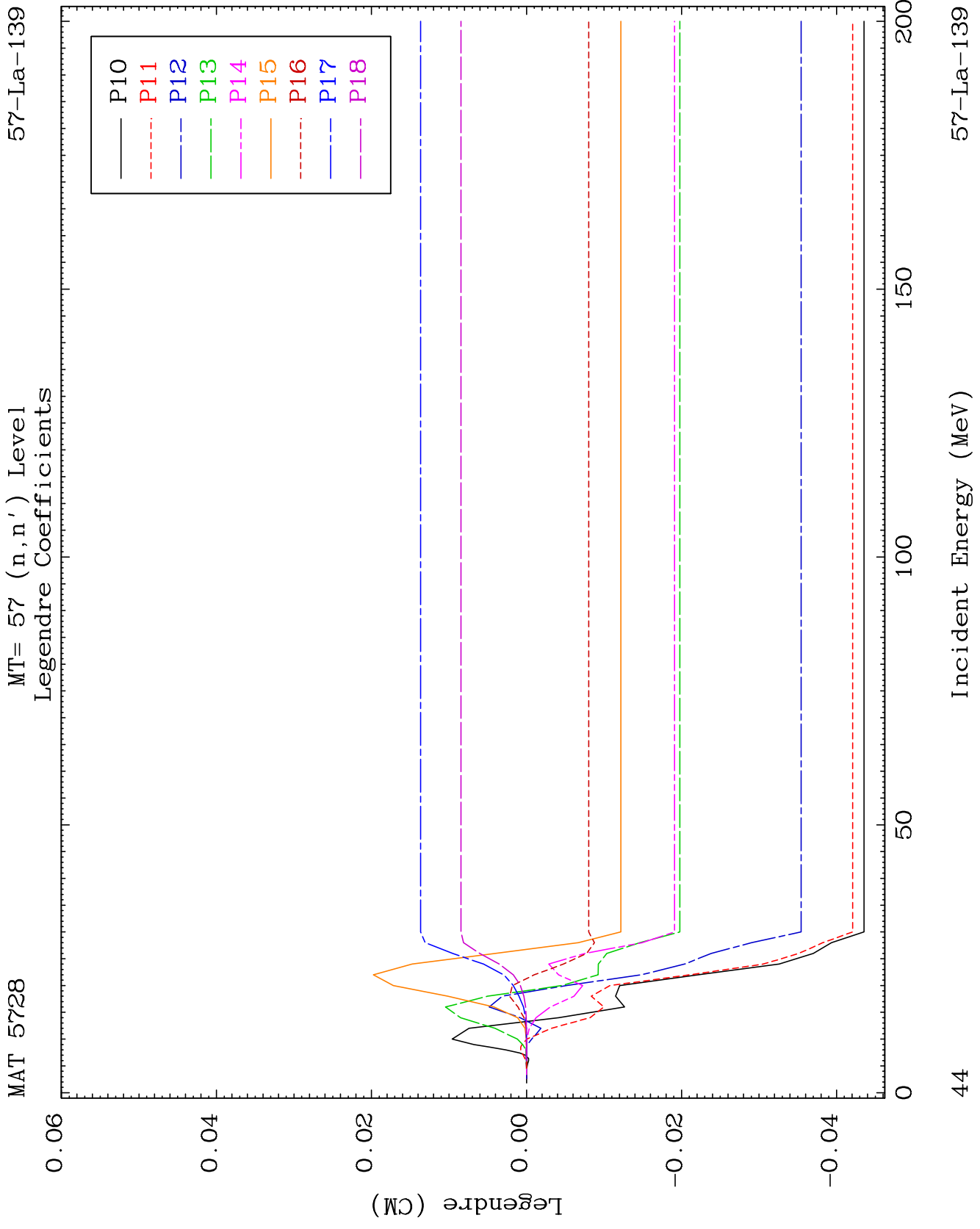
57-La-139



43

Incident Energy (MeV)

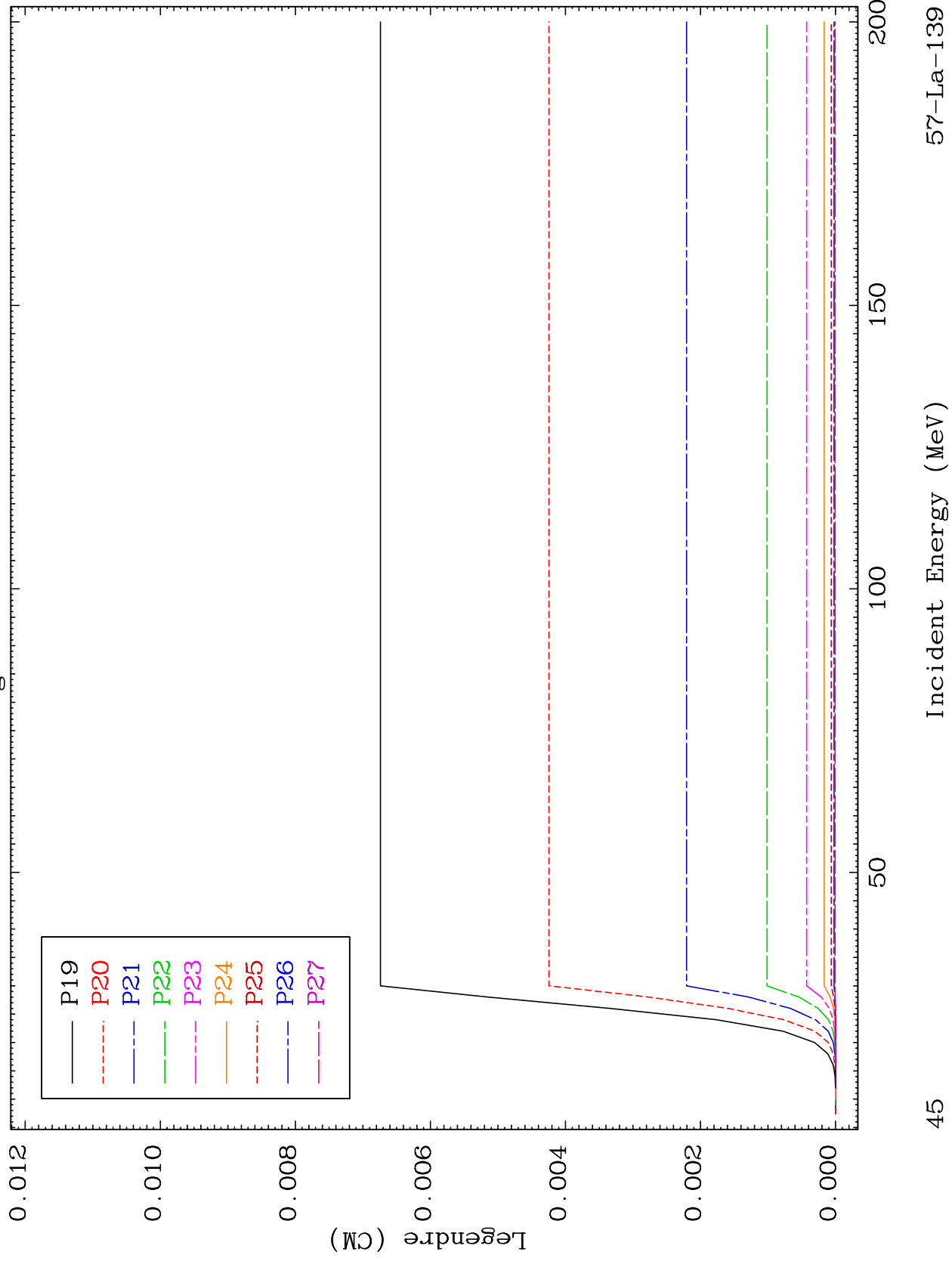
57-La-139



MAT 5728

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

57-La-139



57-La-139

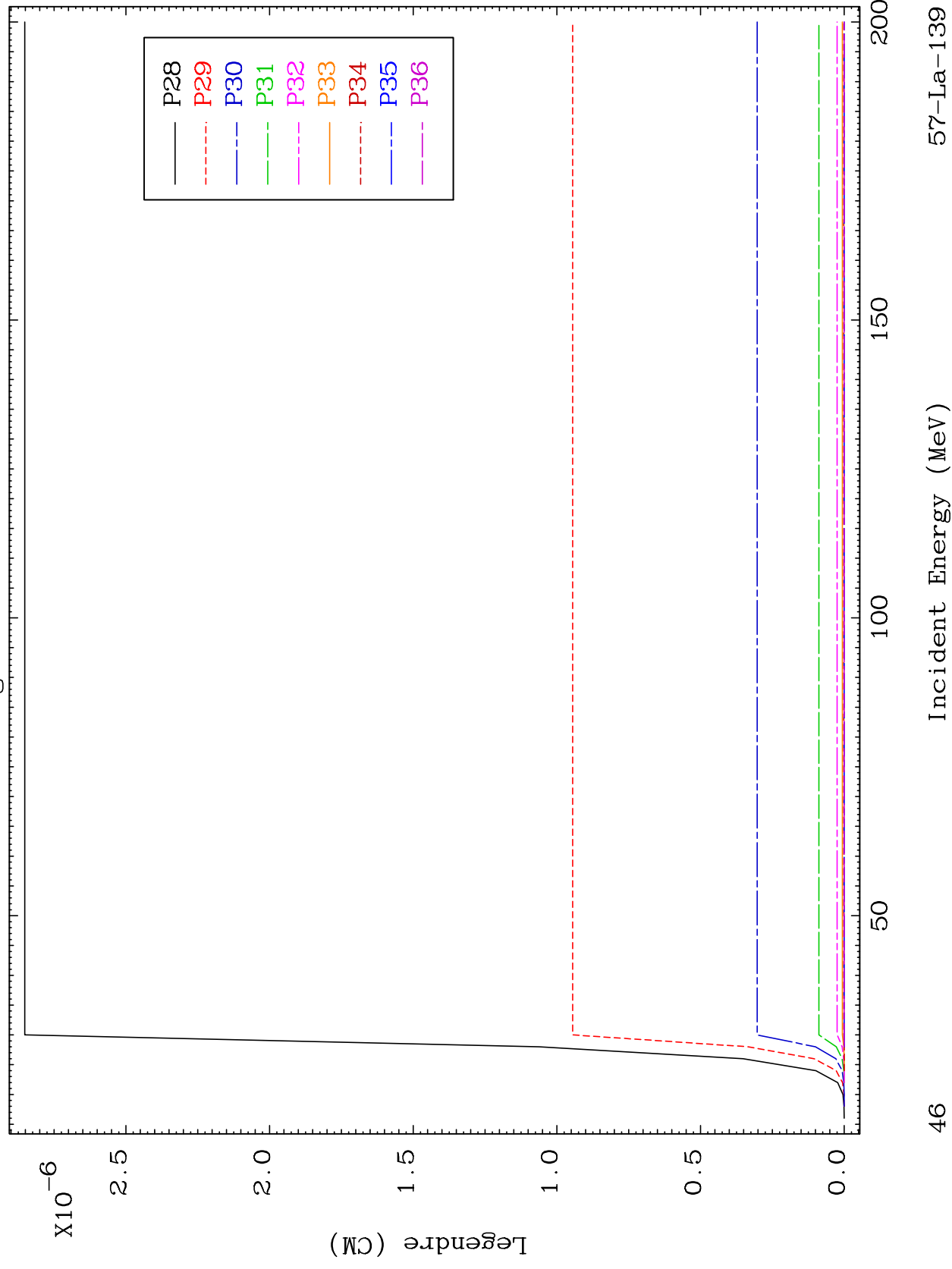
Incident Energy (MeV)

45

MAT 5728

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

57-La-139



46

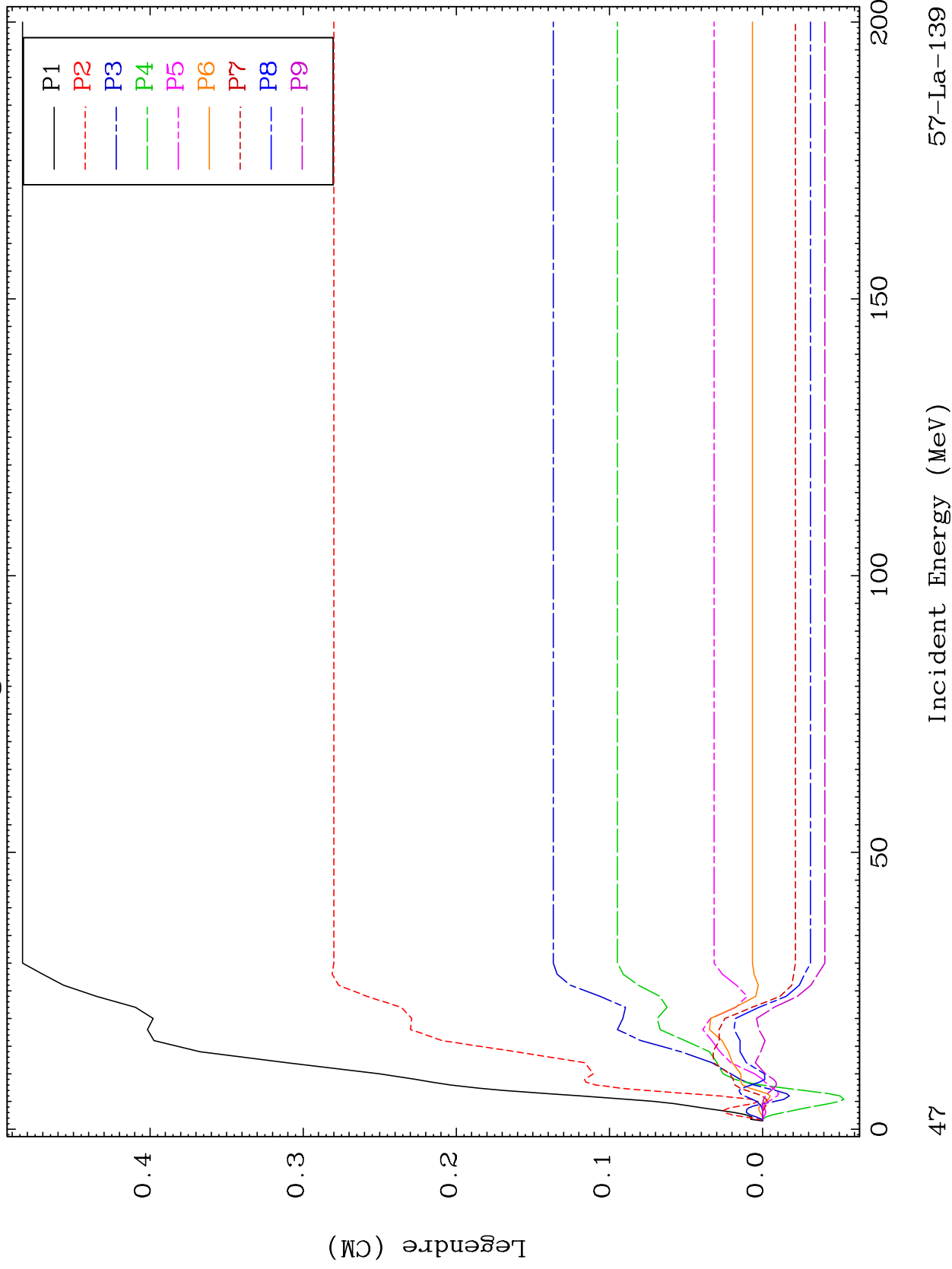
Incident Energy (MeV)

57-La-139

MAT 5728

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

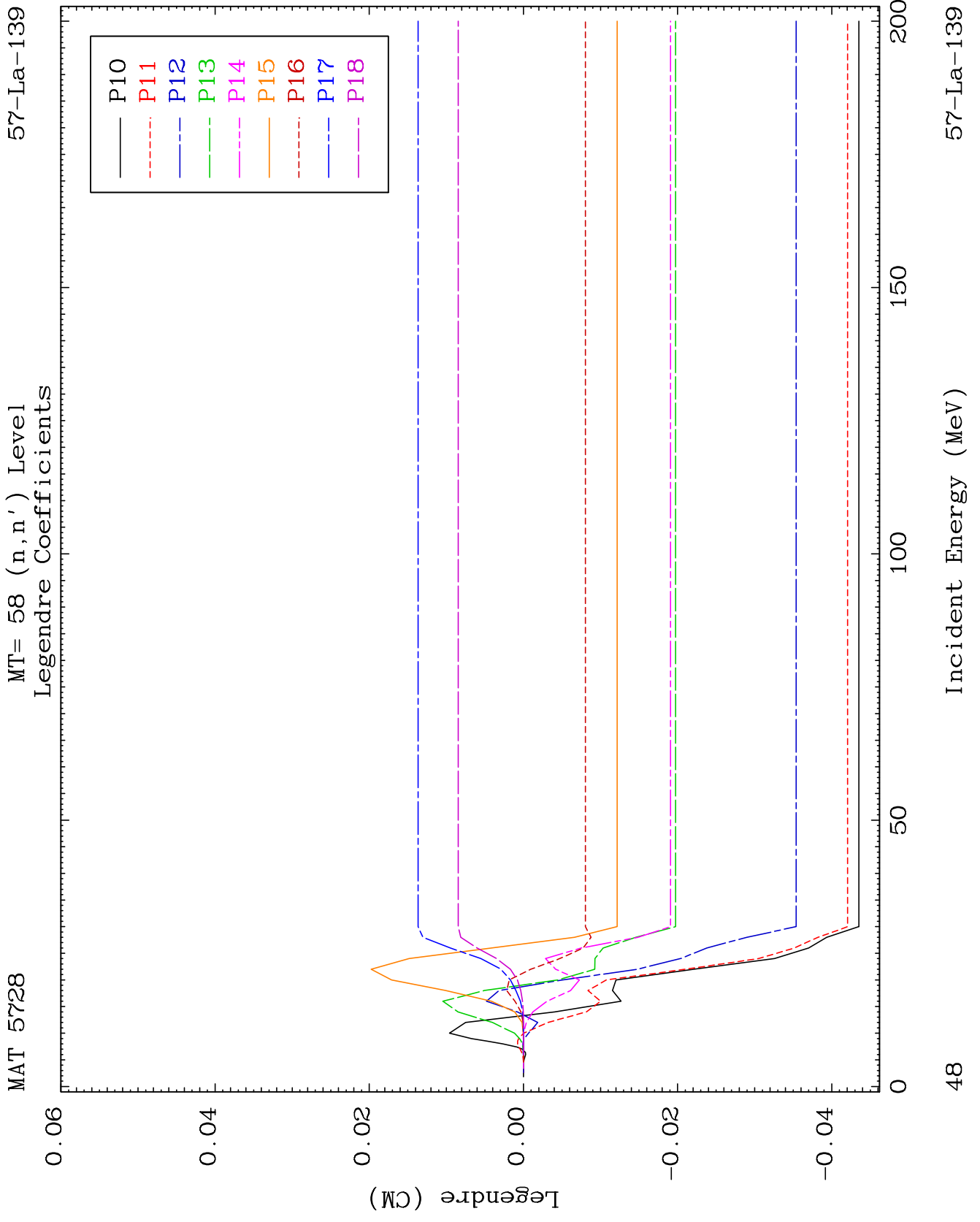
57-La-139



57-La-139

Incident Energy (MeV)

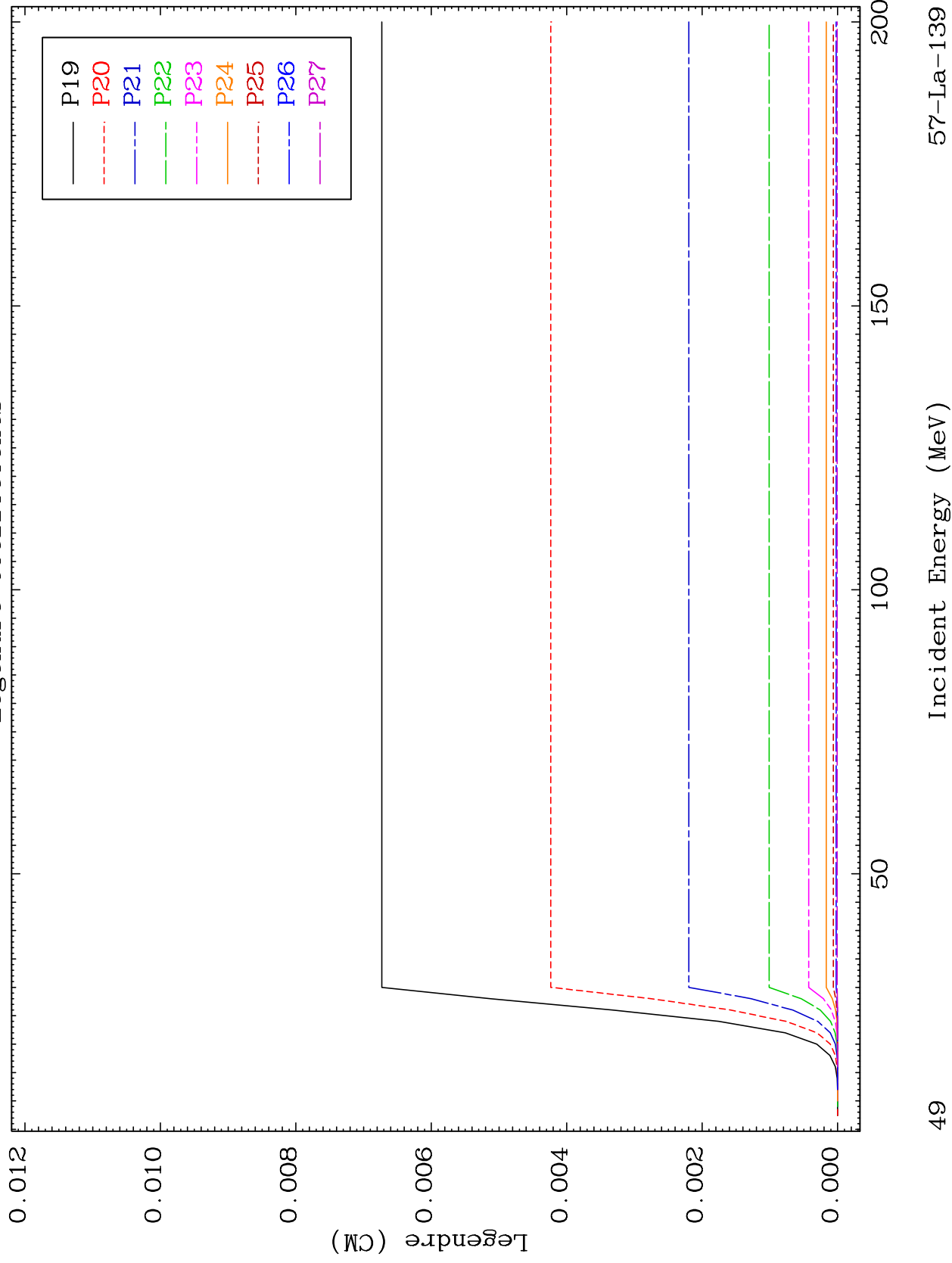
47



MAT 5728

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

57-La-139



49

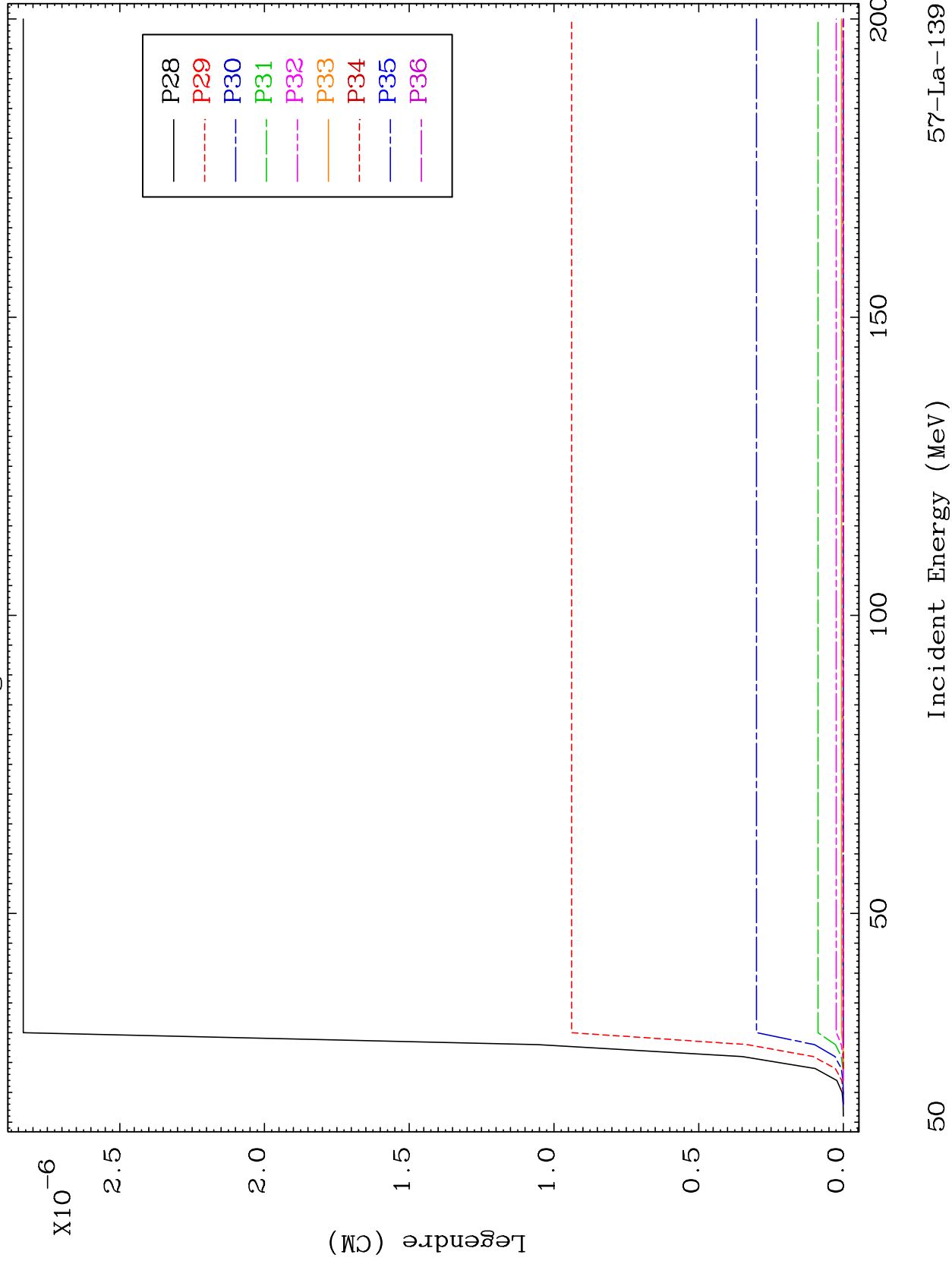
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139

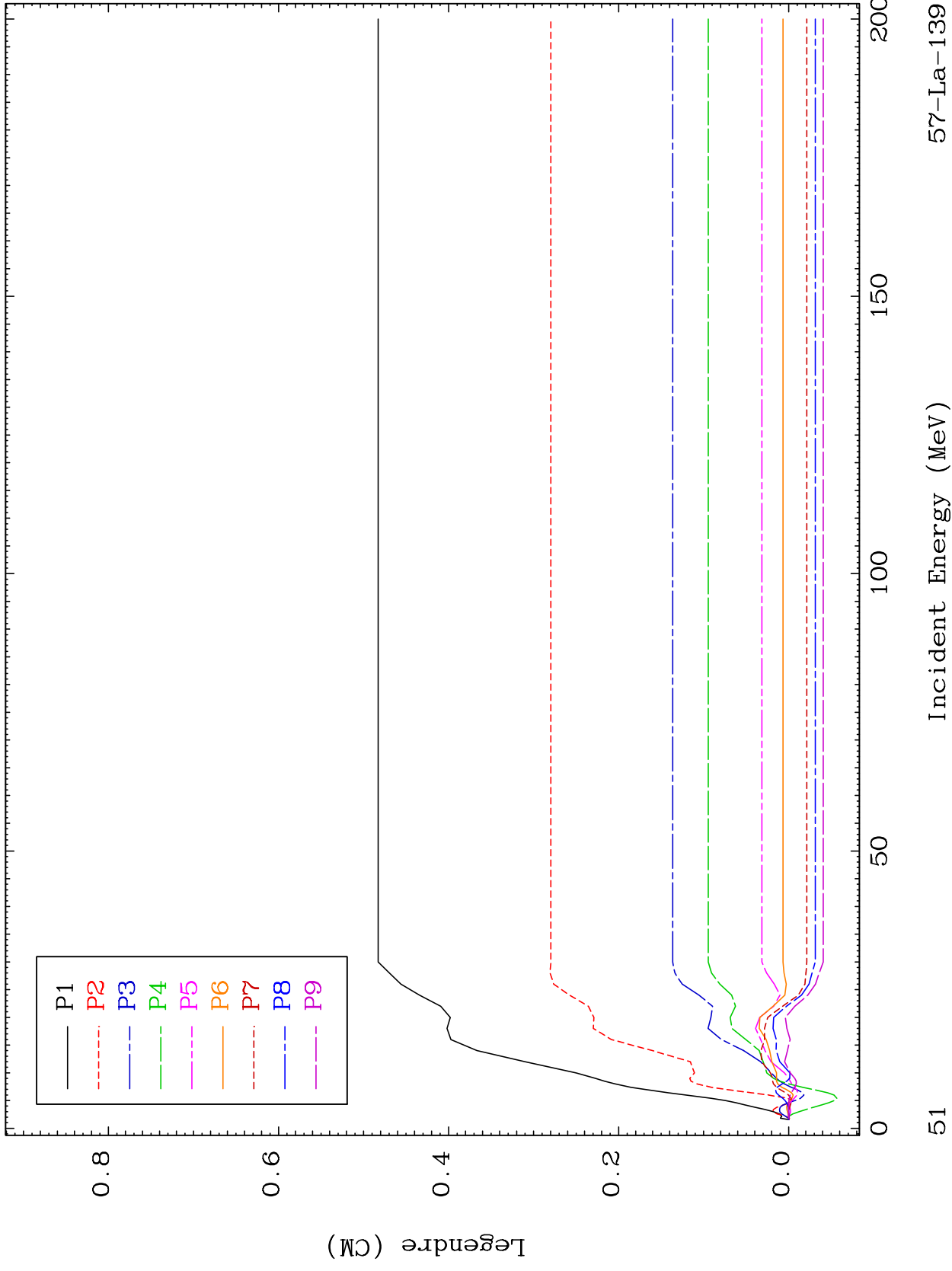


57-La-139

MAT 5728

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

57-La-139



51

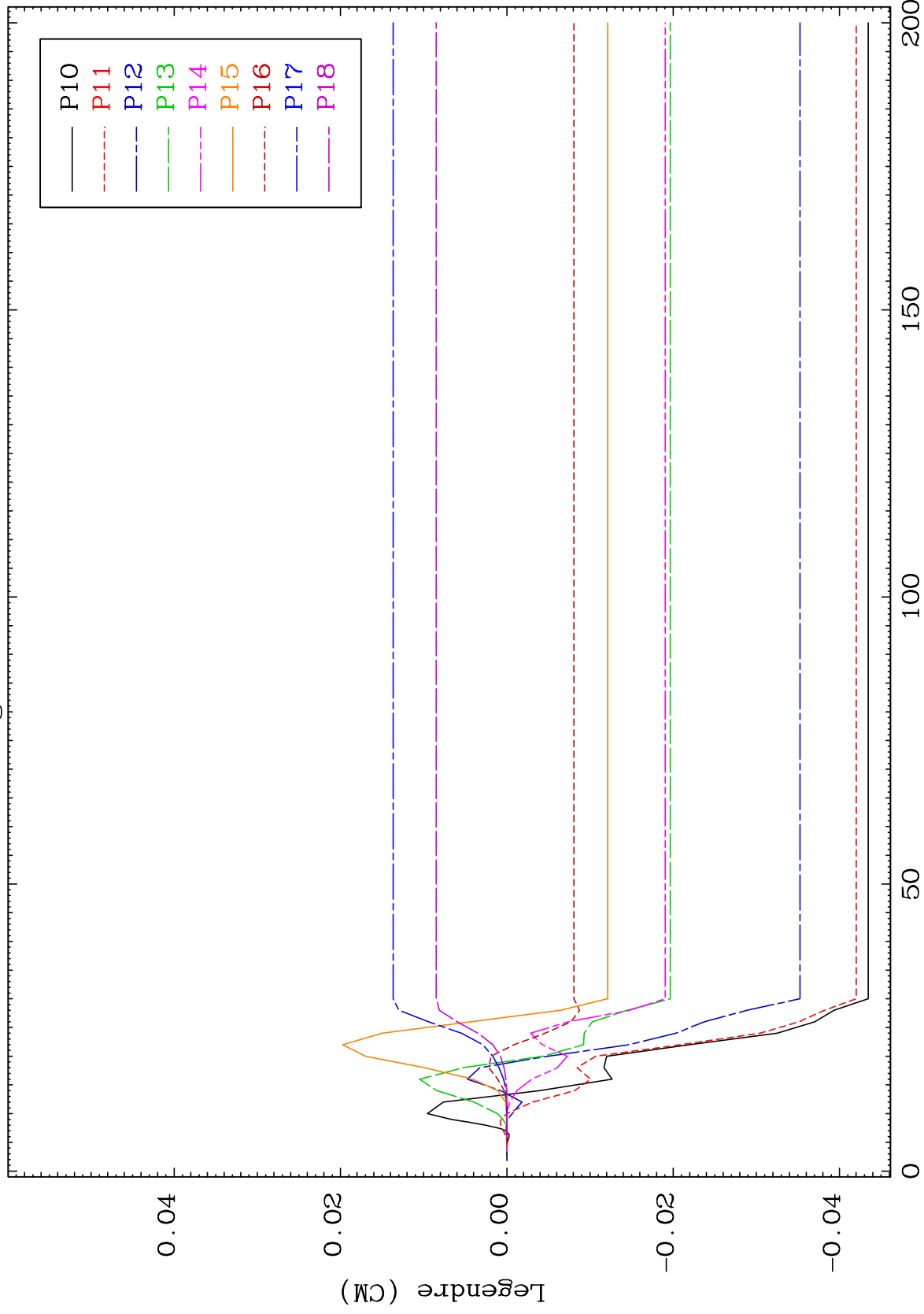
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



52

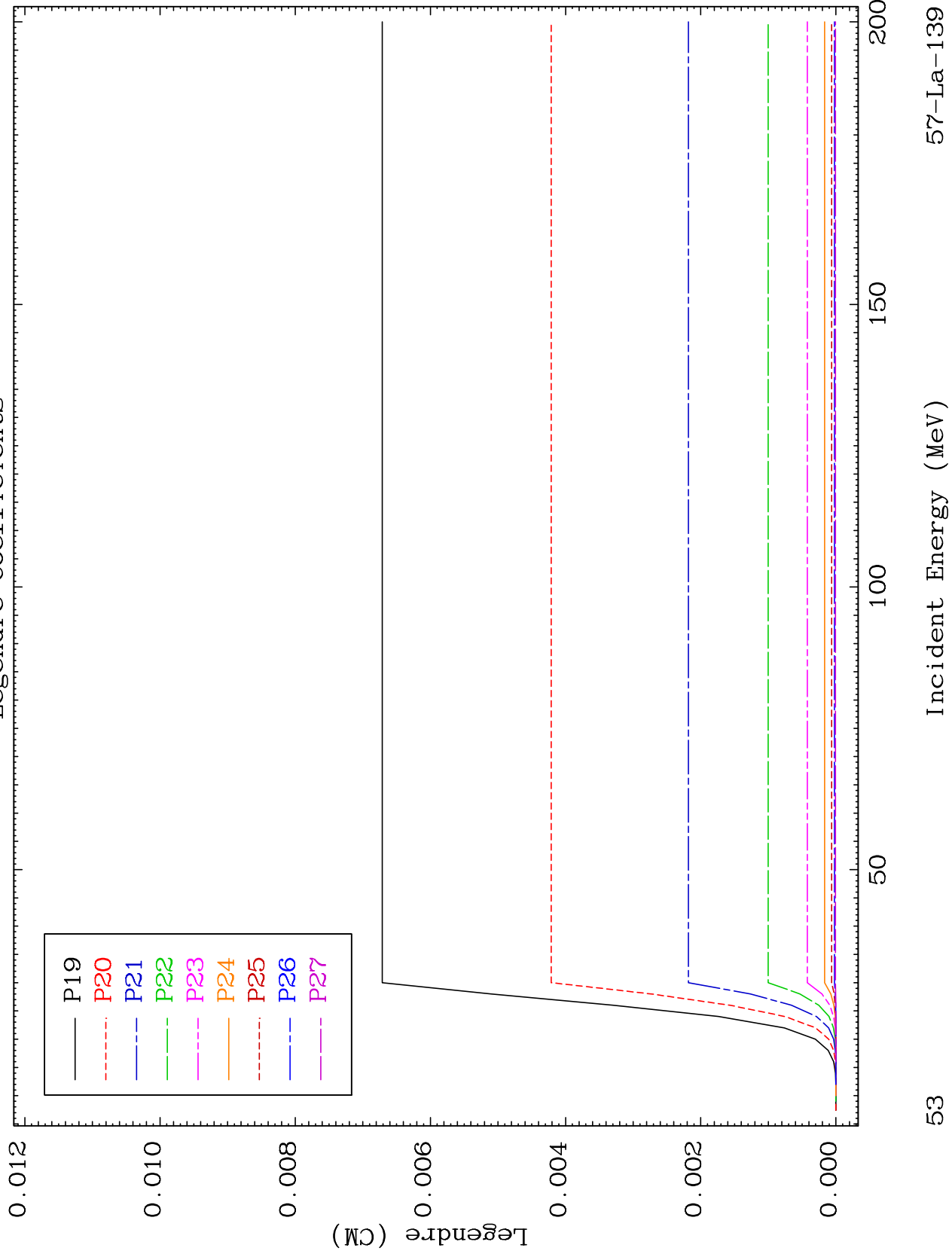
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



53

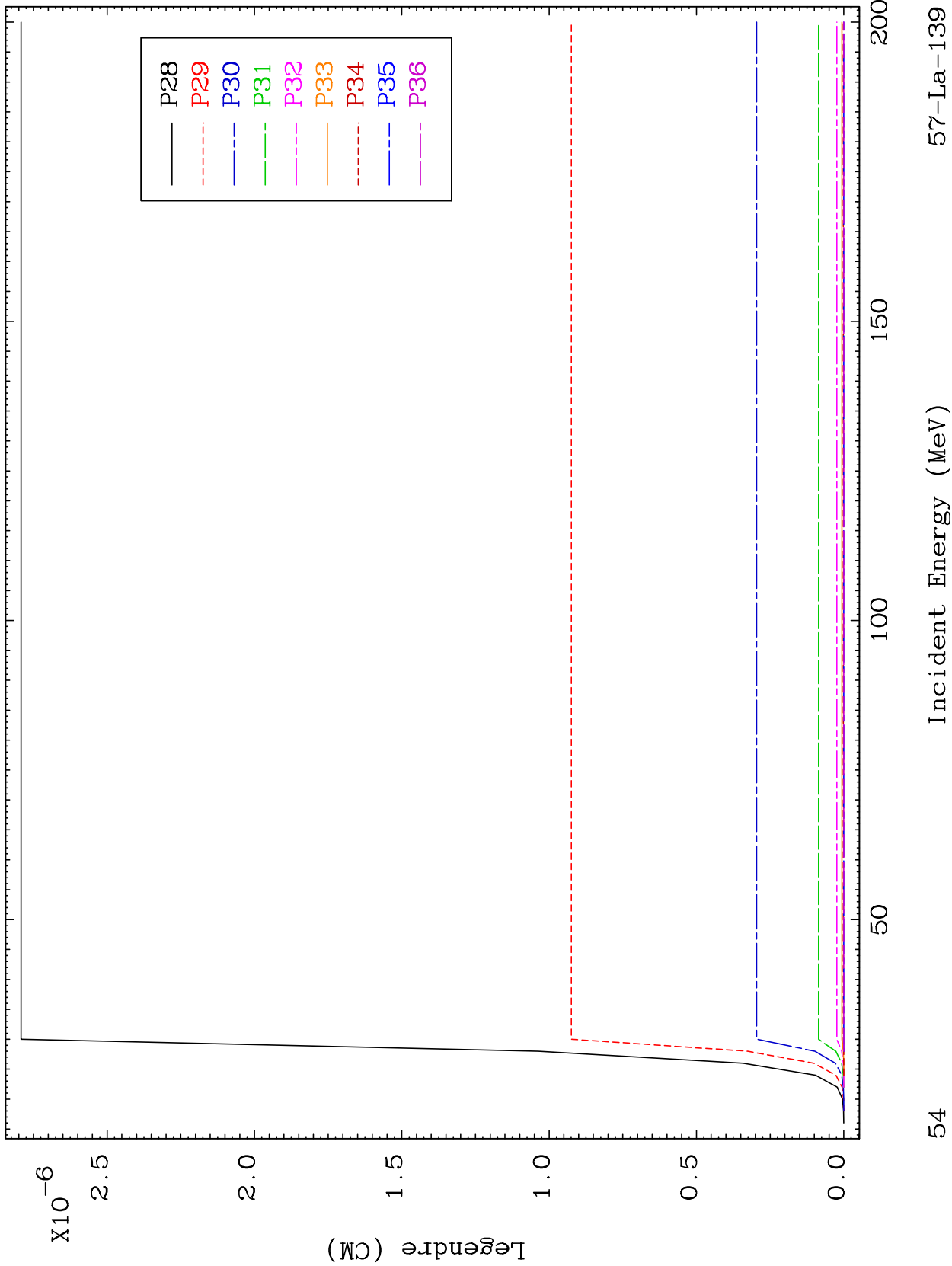
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



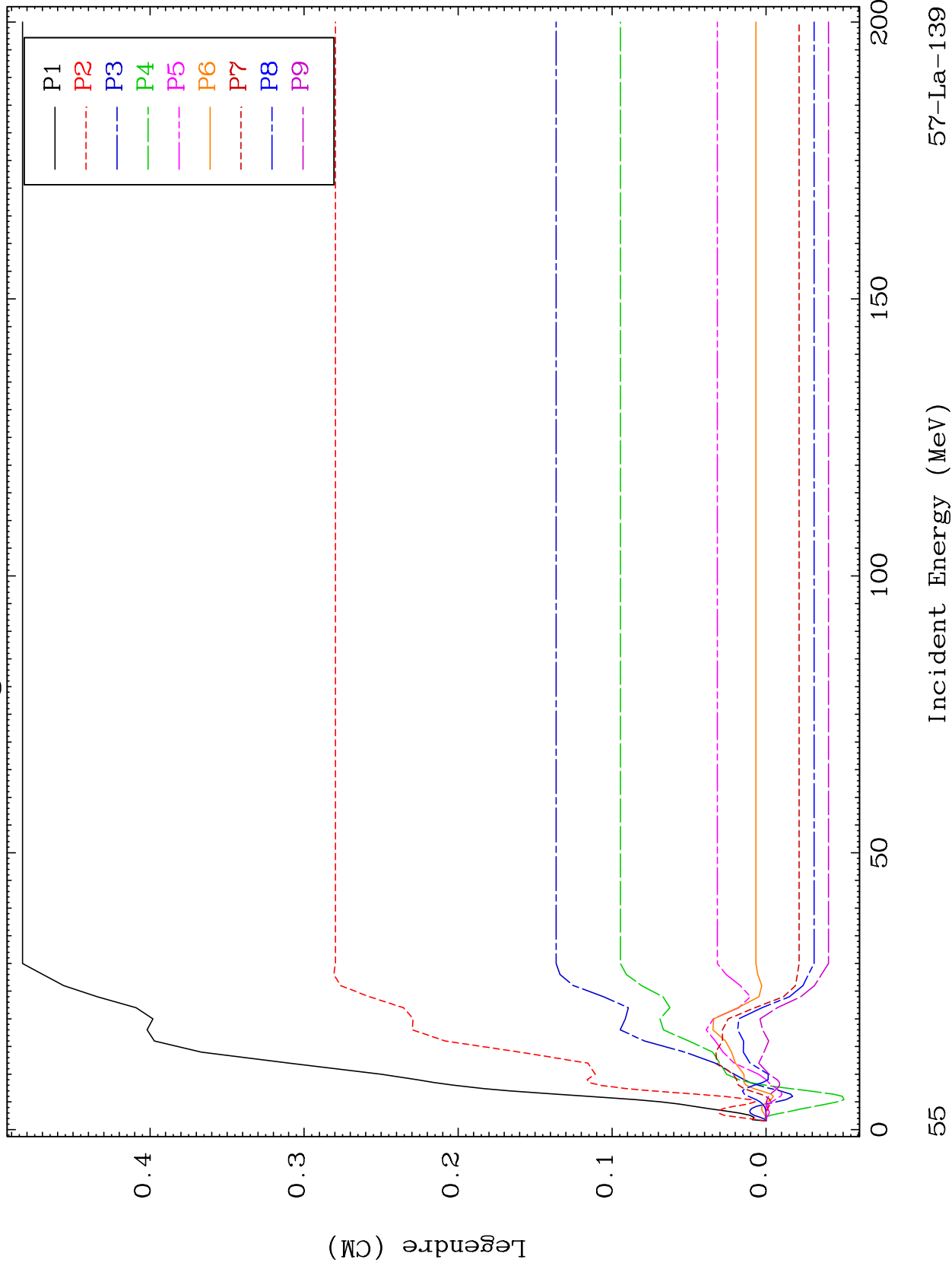
54

57-La-139

MAT 5728

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

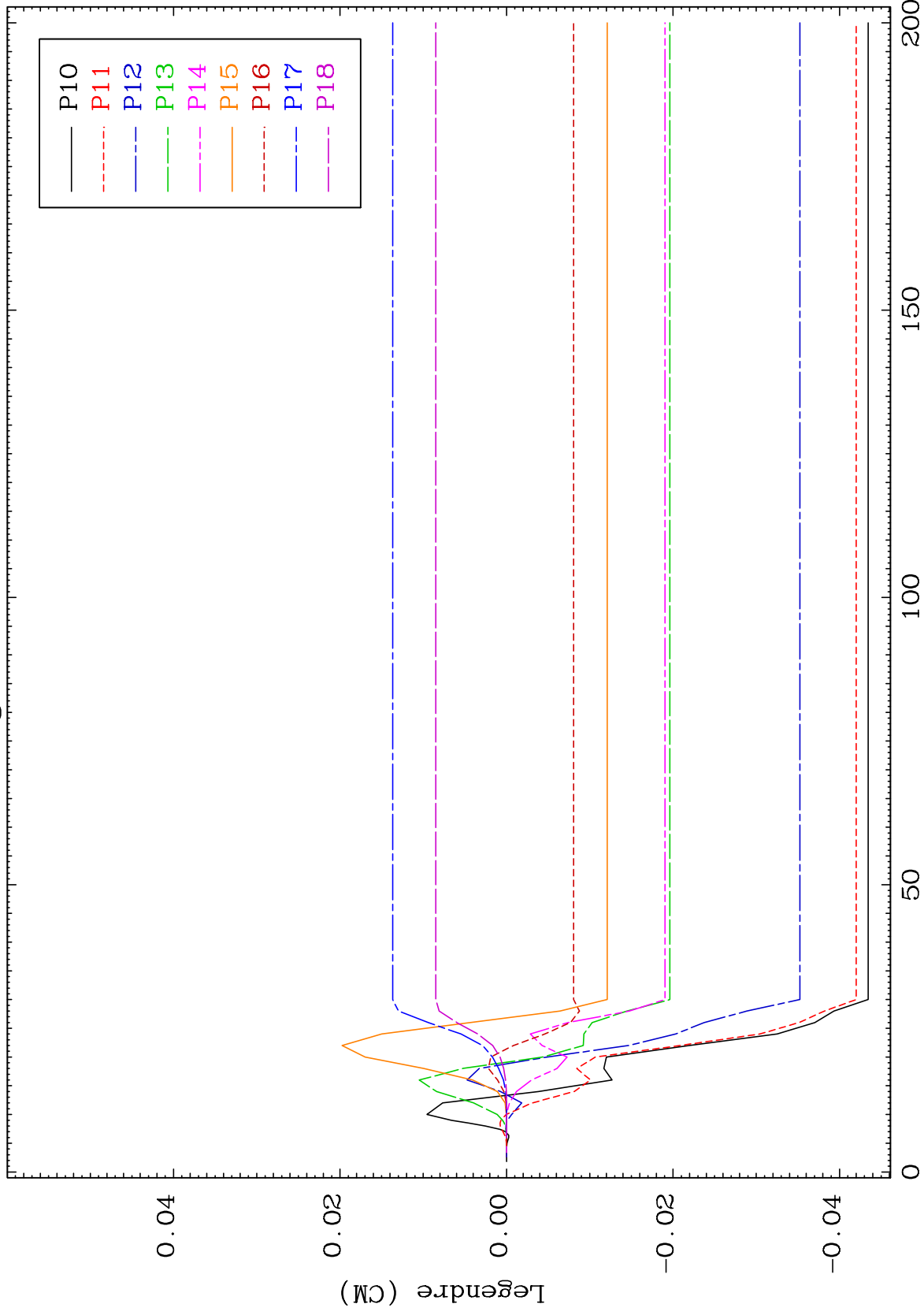
57-La-139



MAT 5728

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

57-La-139



56

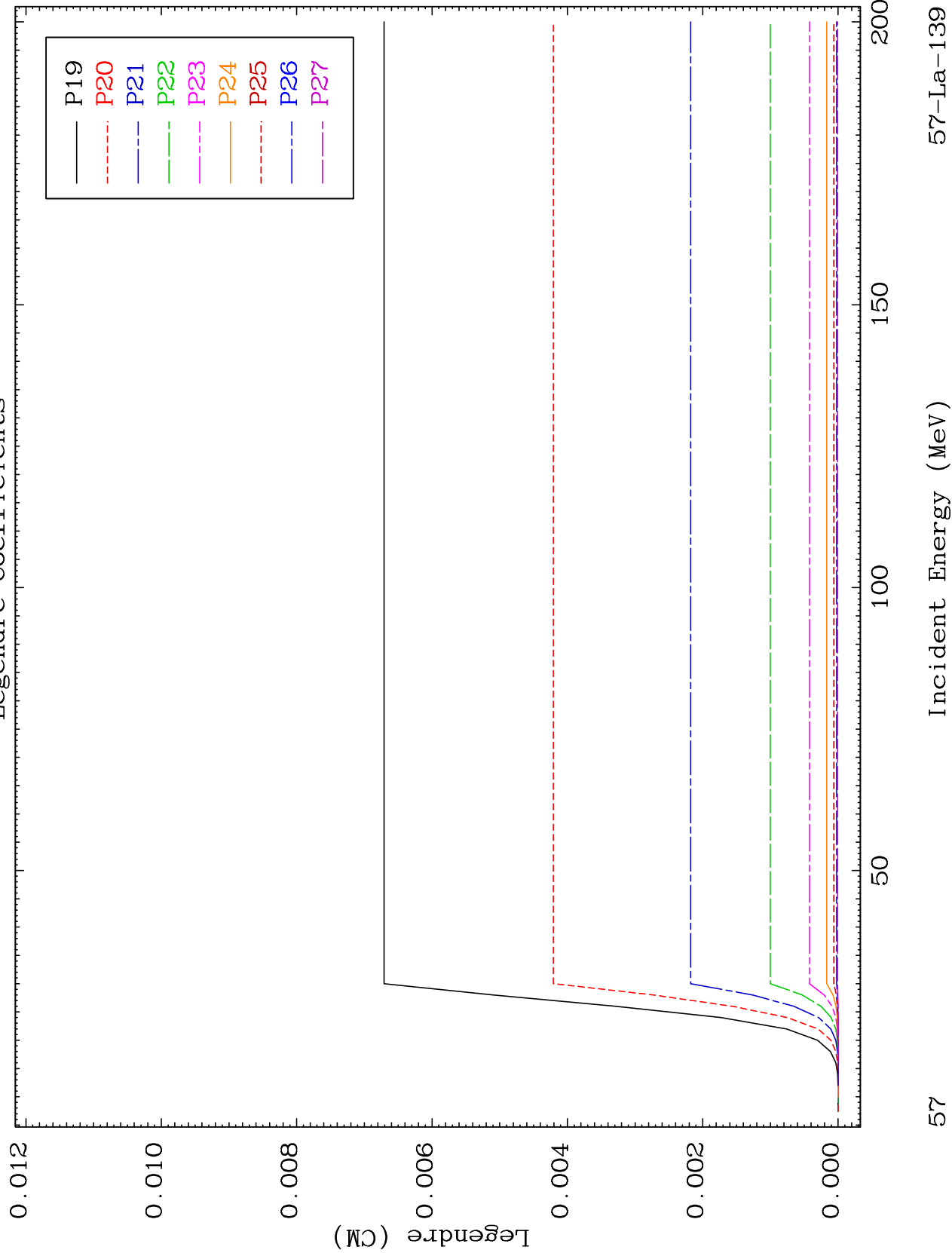
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



57

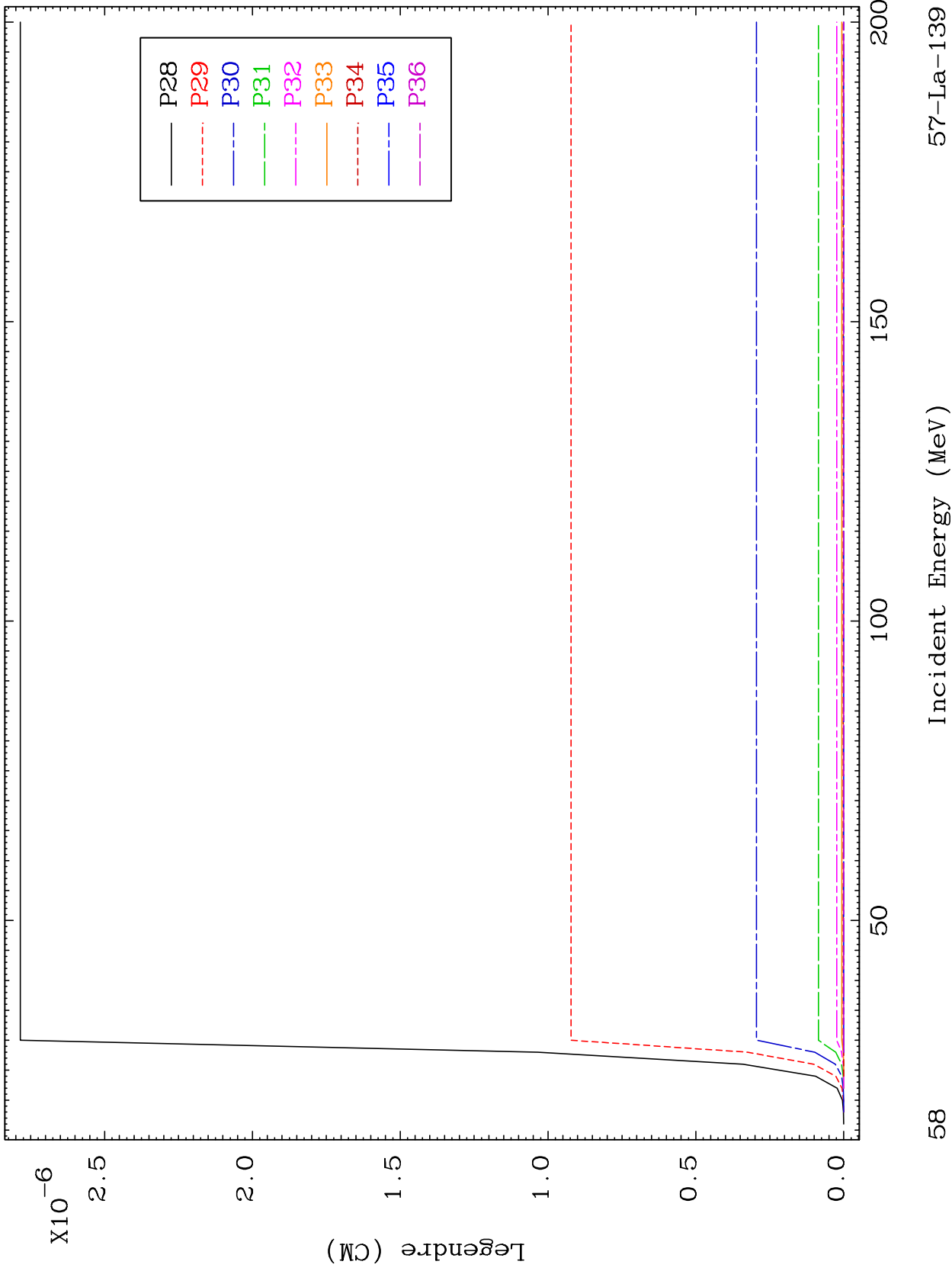
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



58

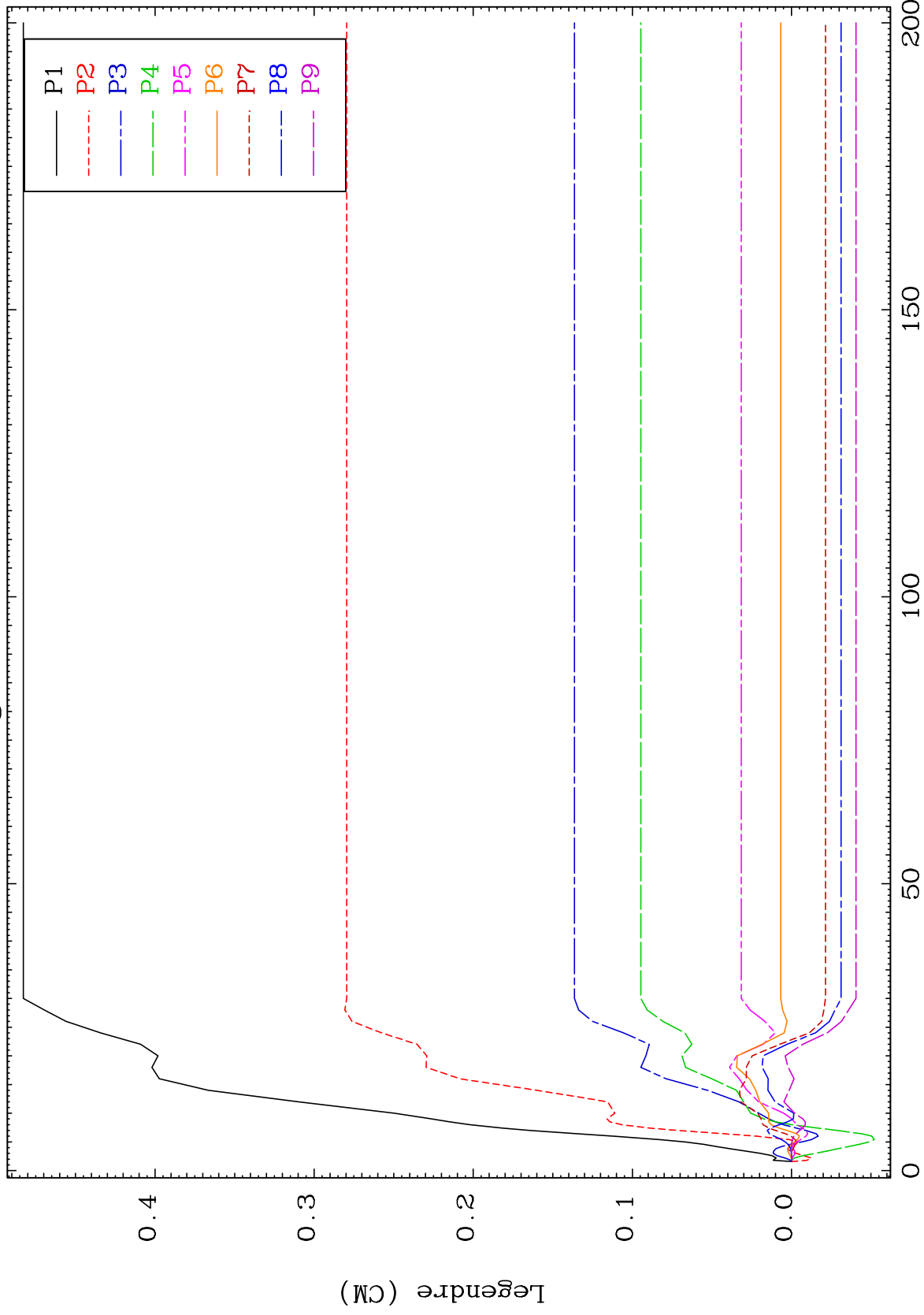
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



59

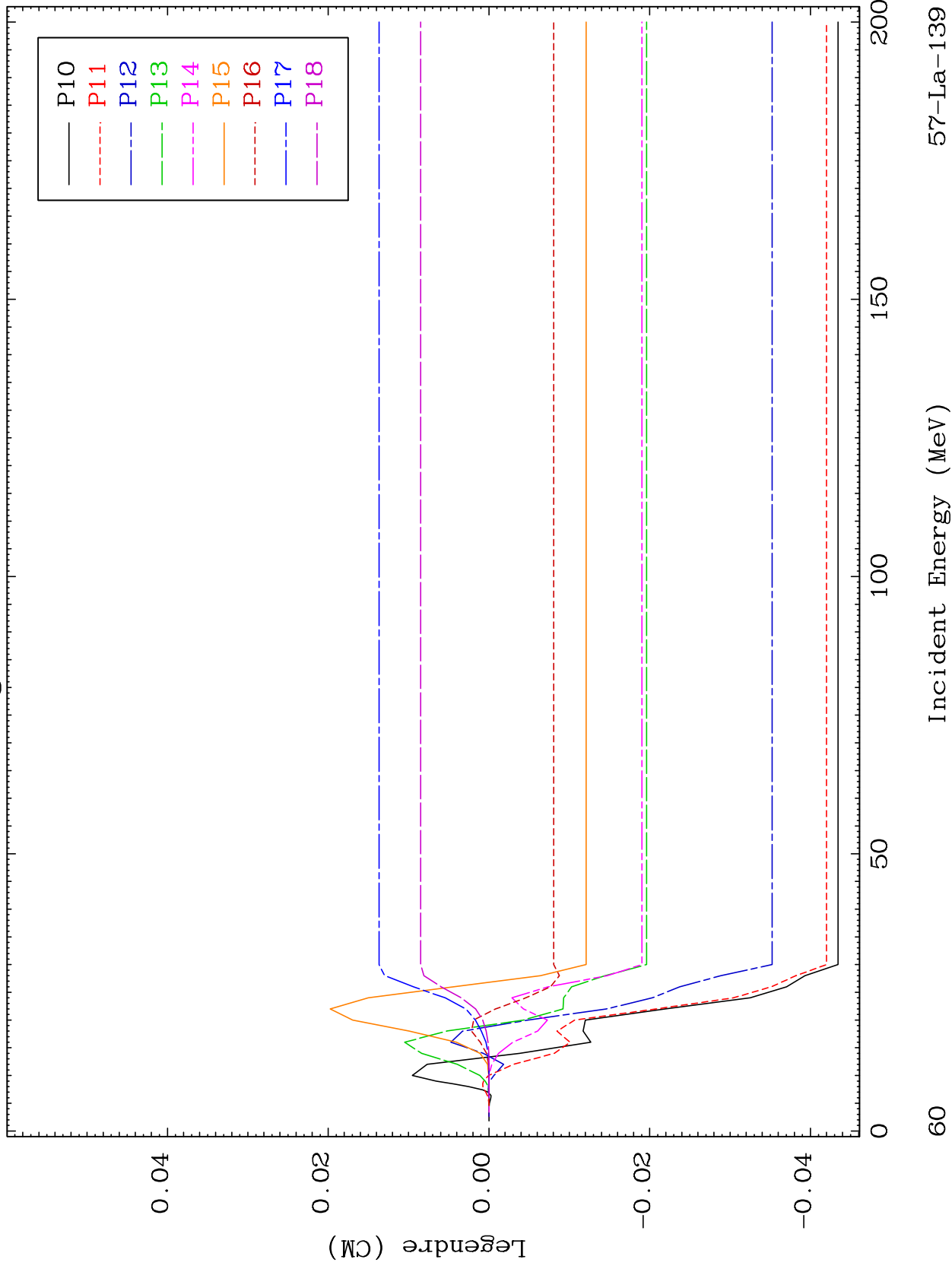
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139

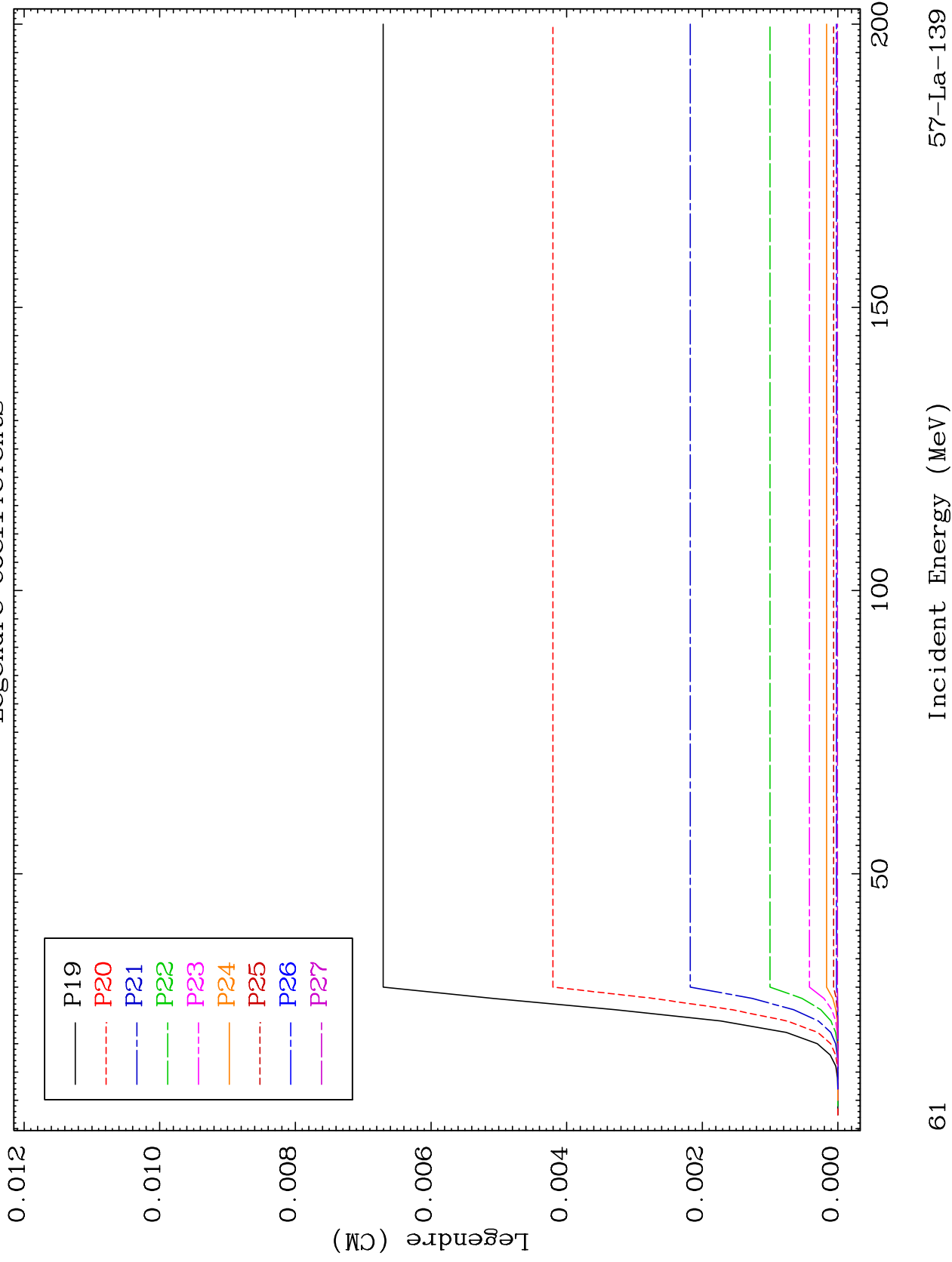


57-La-139

MAT 5728

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

57-La-139



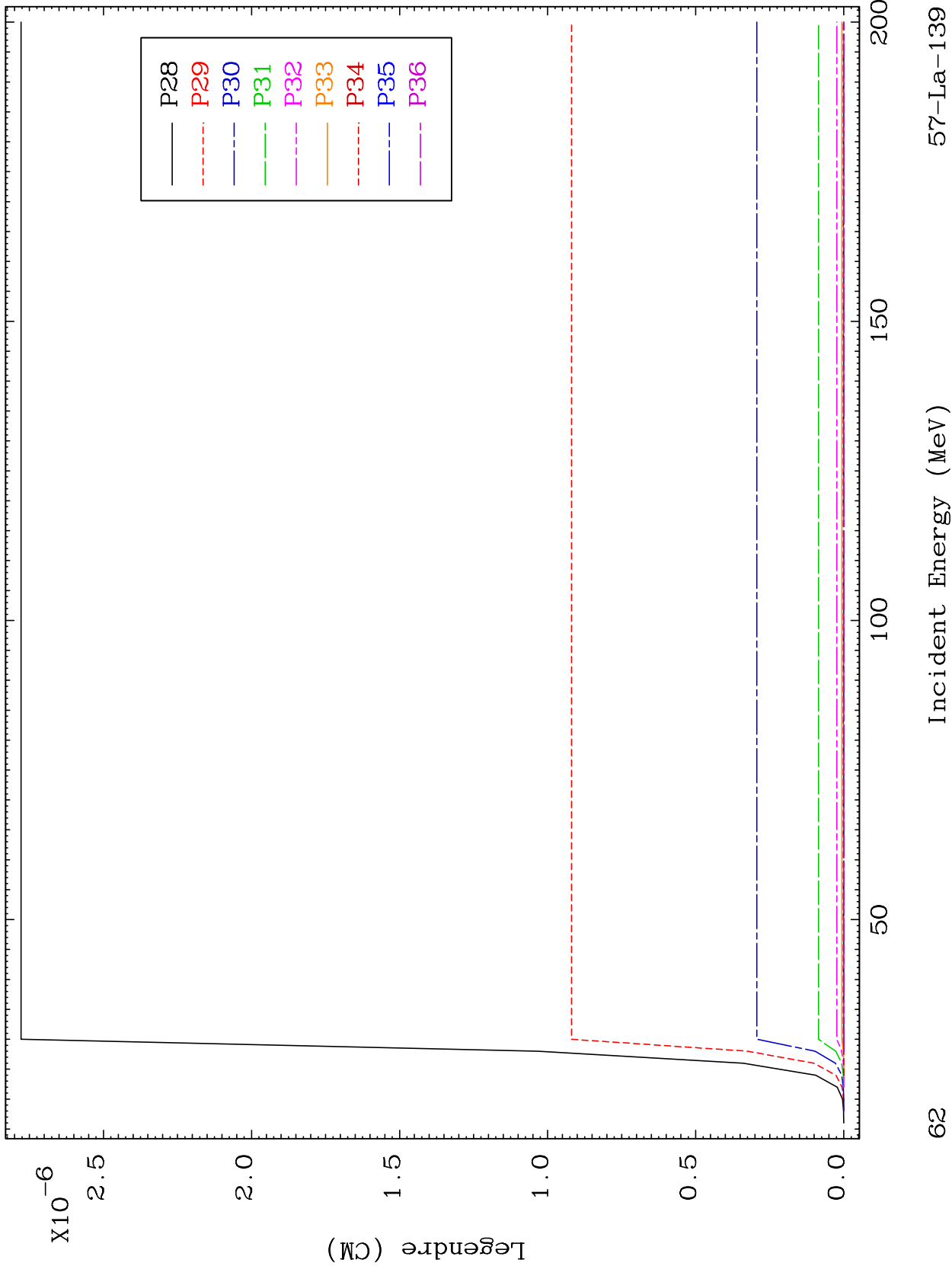
61

57-La-139

MAT 5728

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

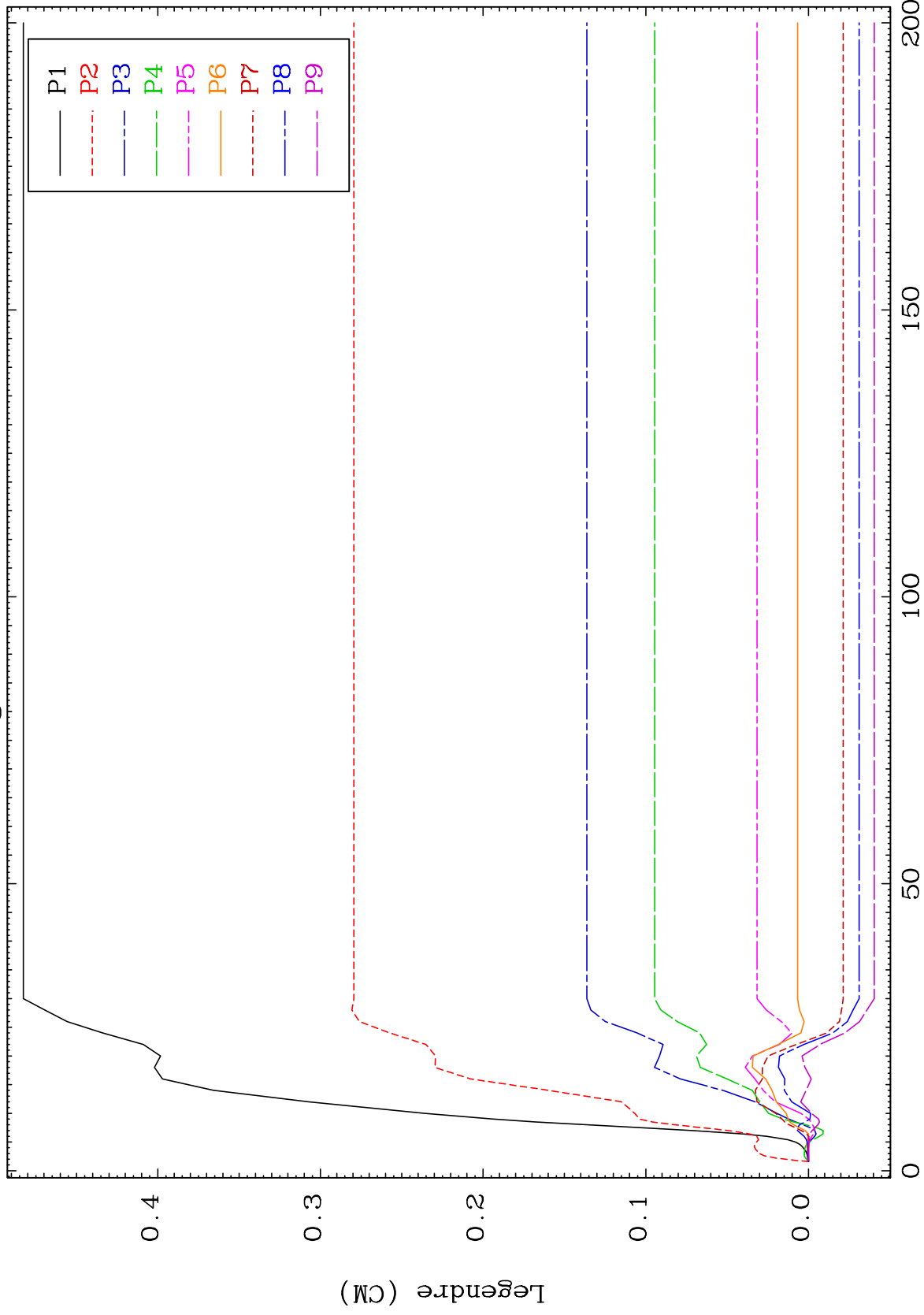
57-La-139



MAT 5728

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

57-La-139



63

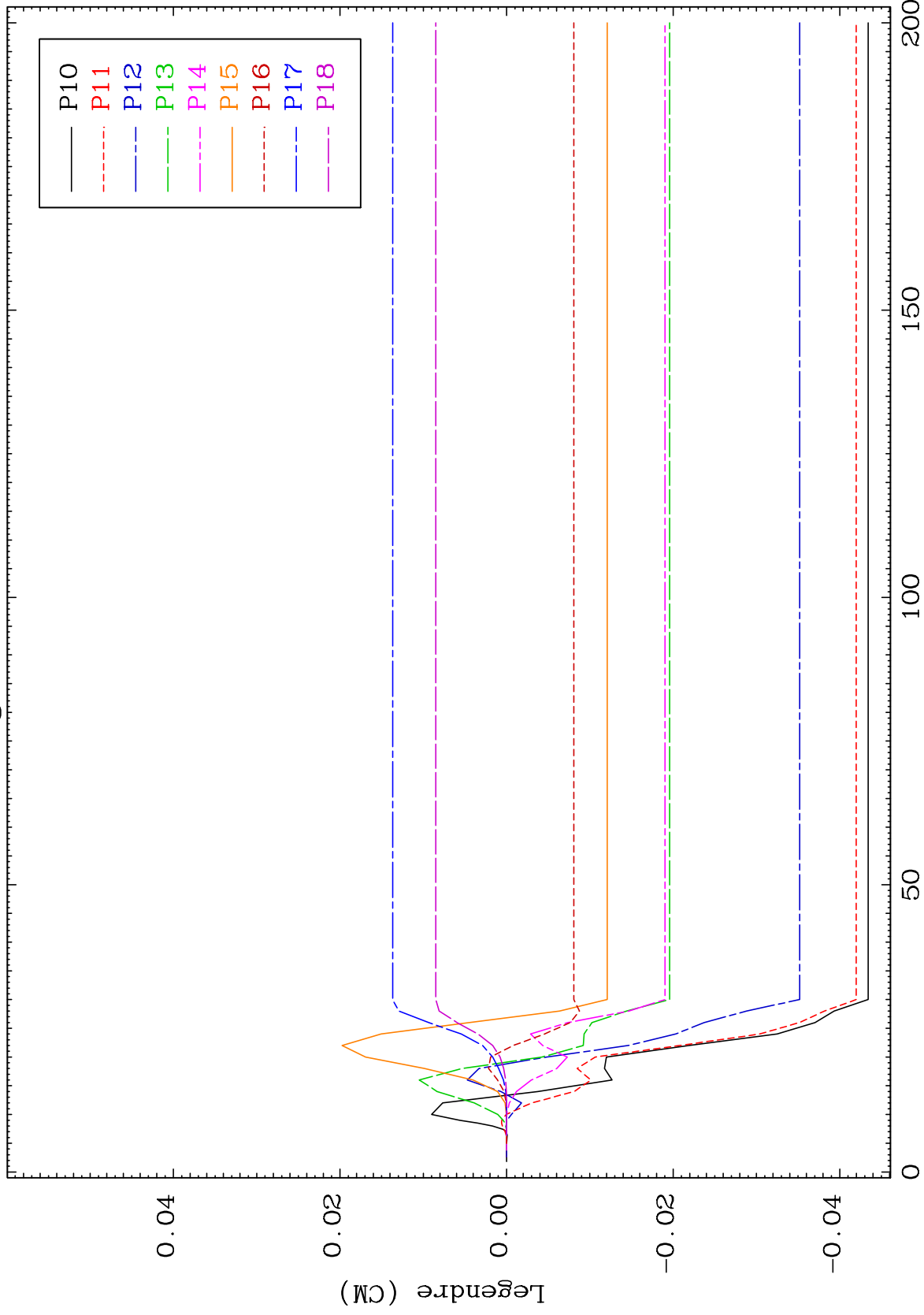
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



64

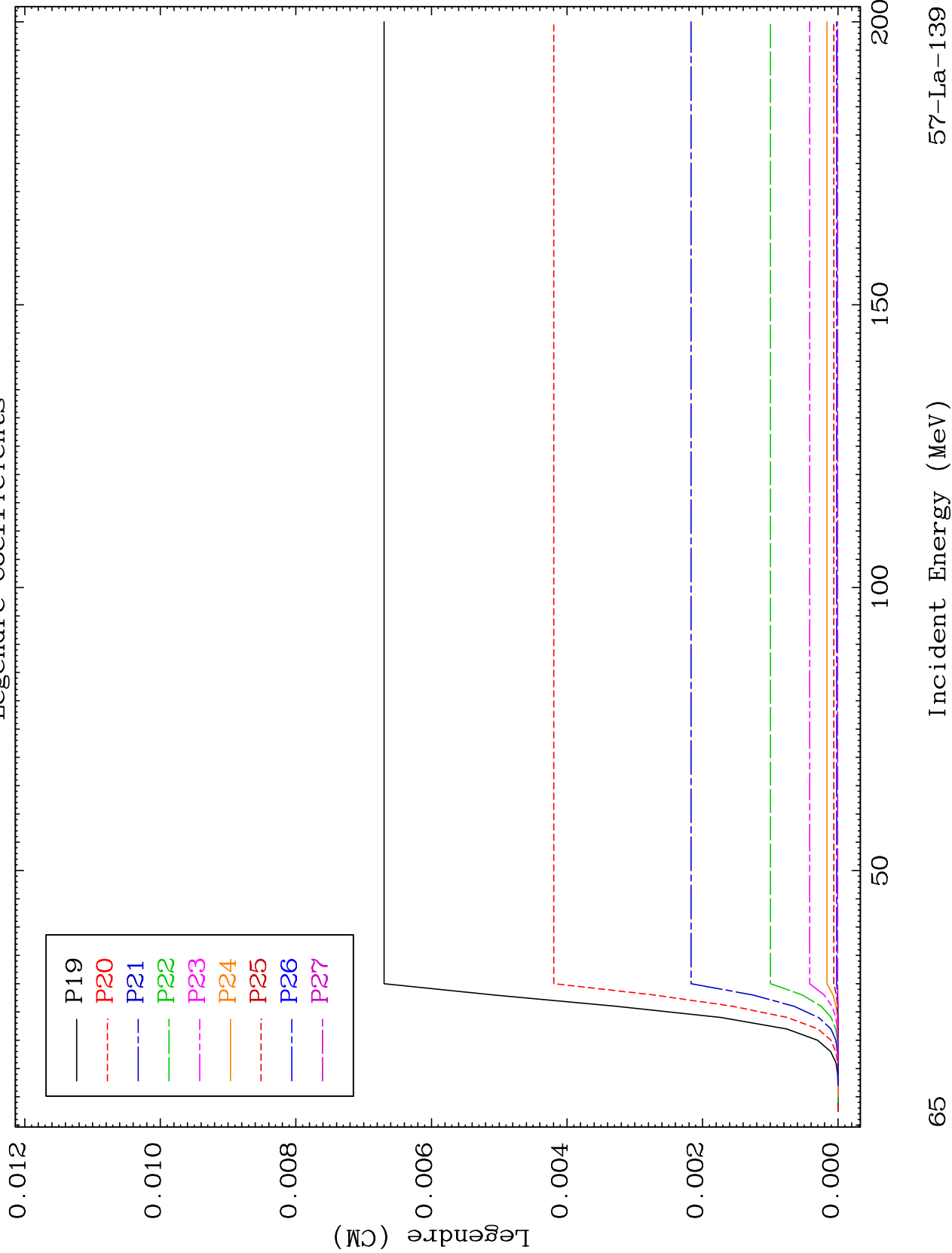
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



65

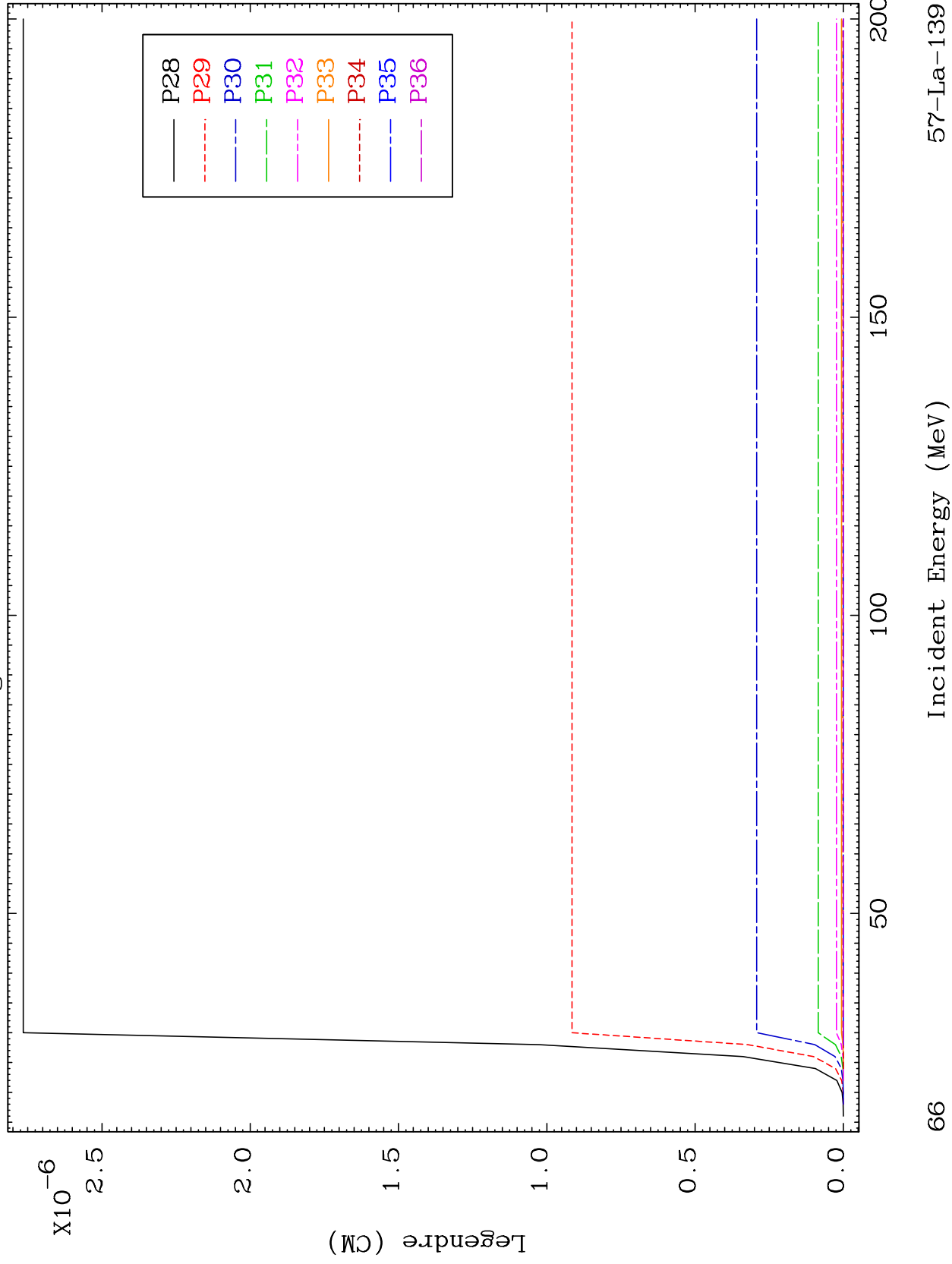
Incident Energy (MeV)

57-La-139

MAT 5728

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

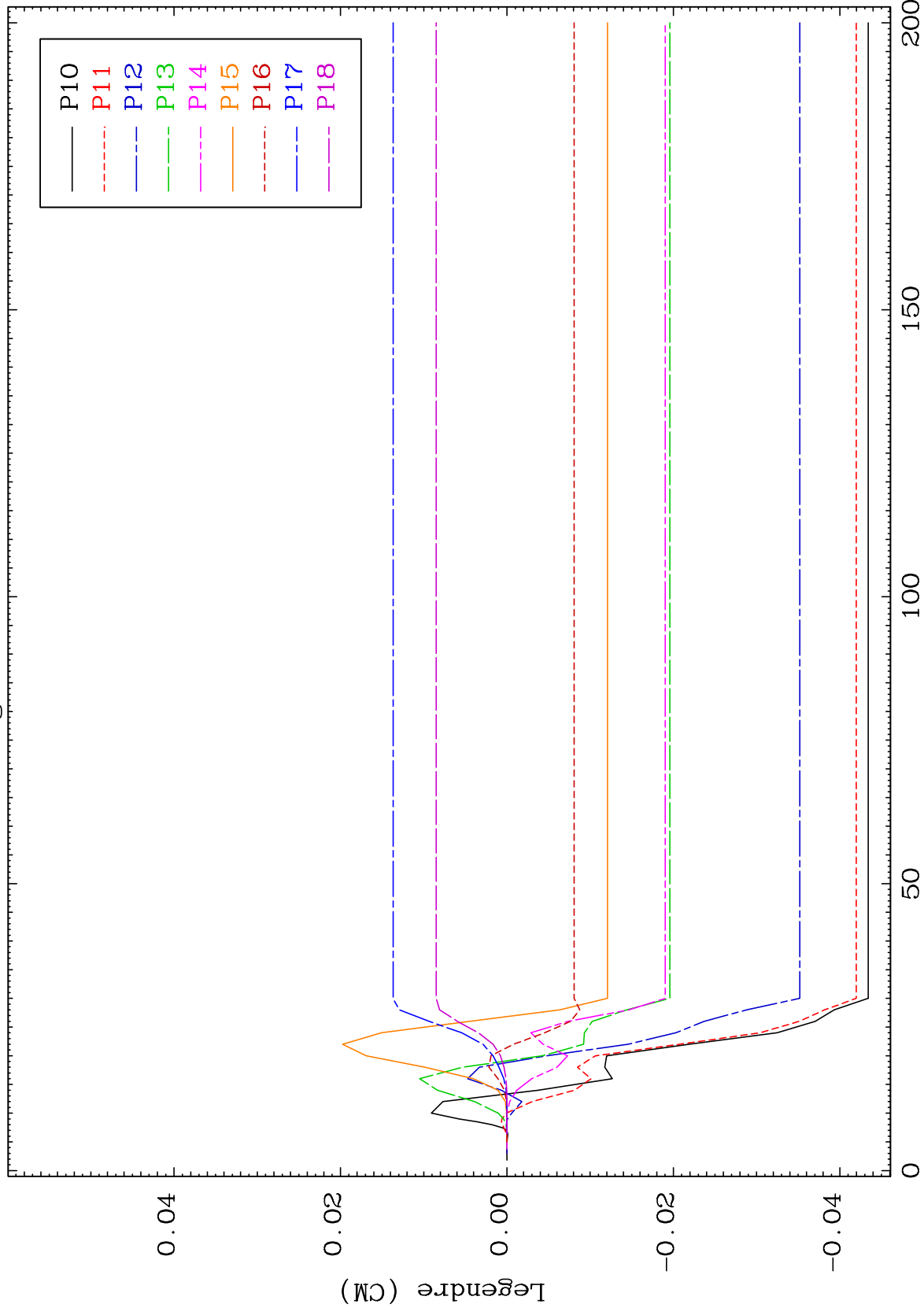
57-La-139



MAT 5728

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

57-La-139



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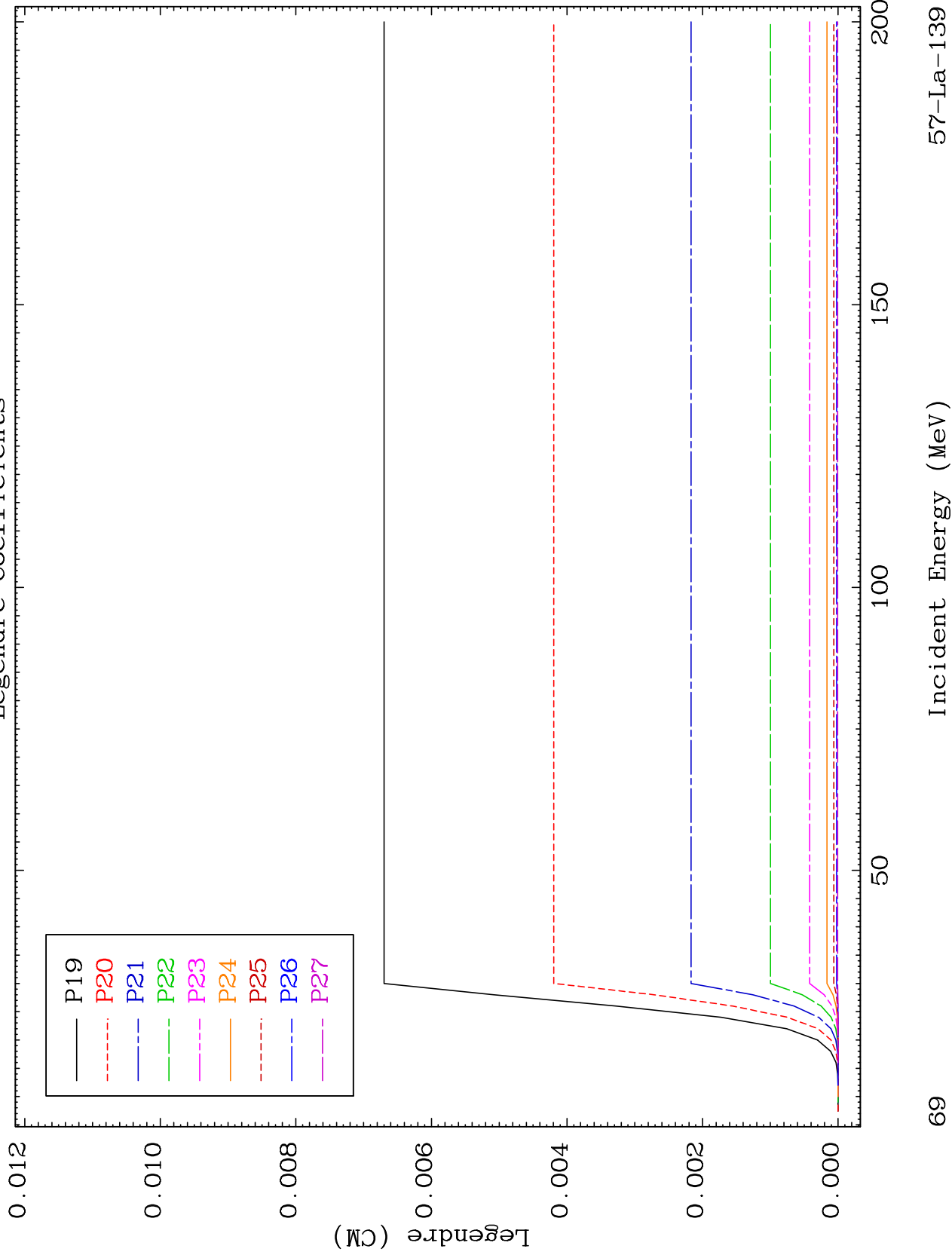
Incident Energy (MeV)

57-La-139

MAT 5728

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

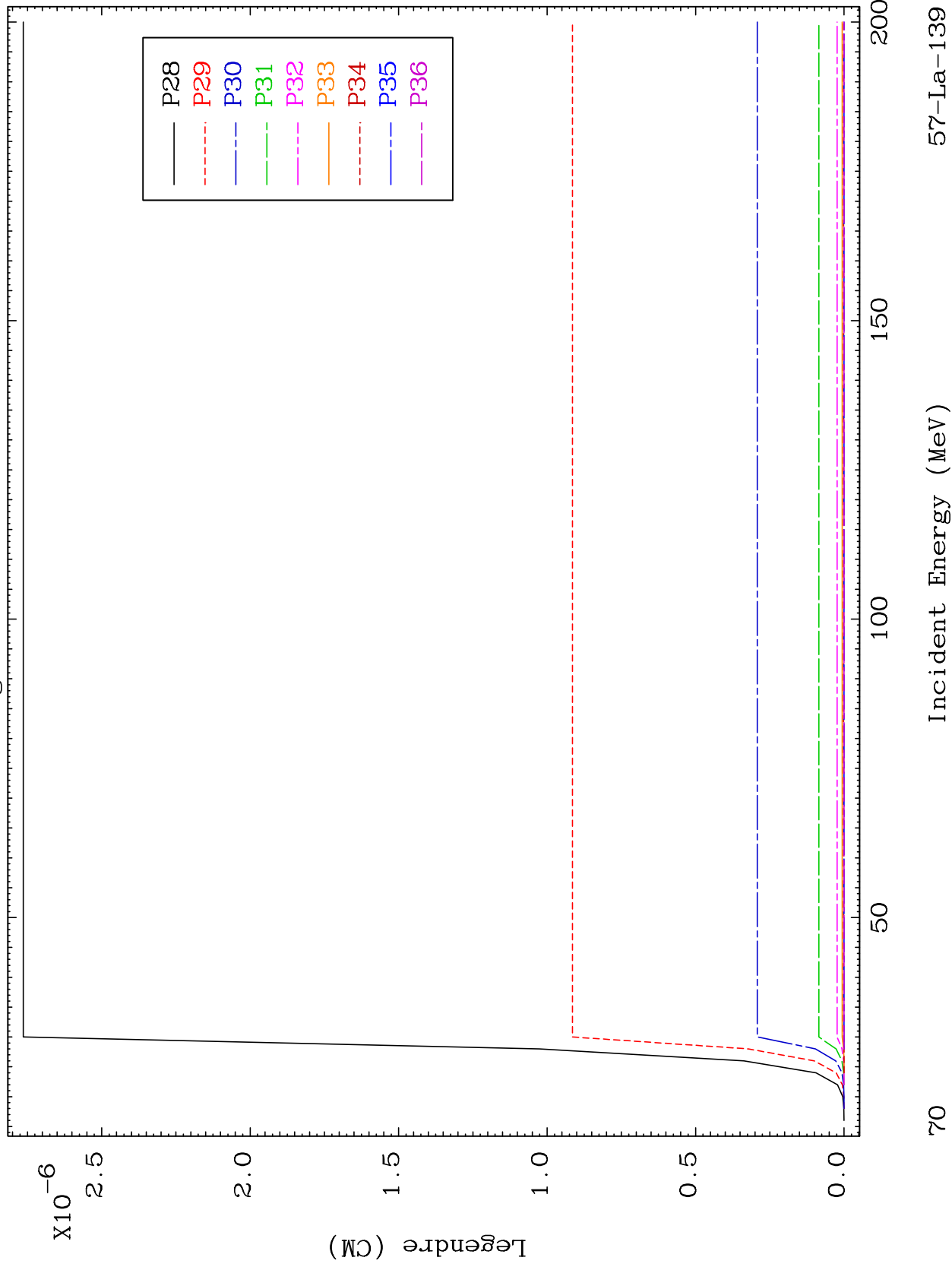
57-La-139



MAT 5728

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

57-La-139



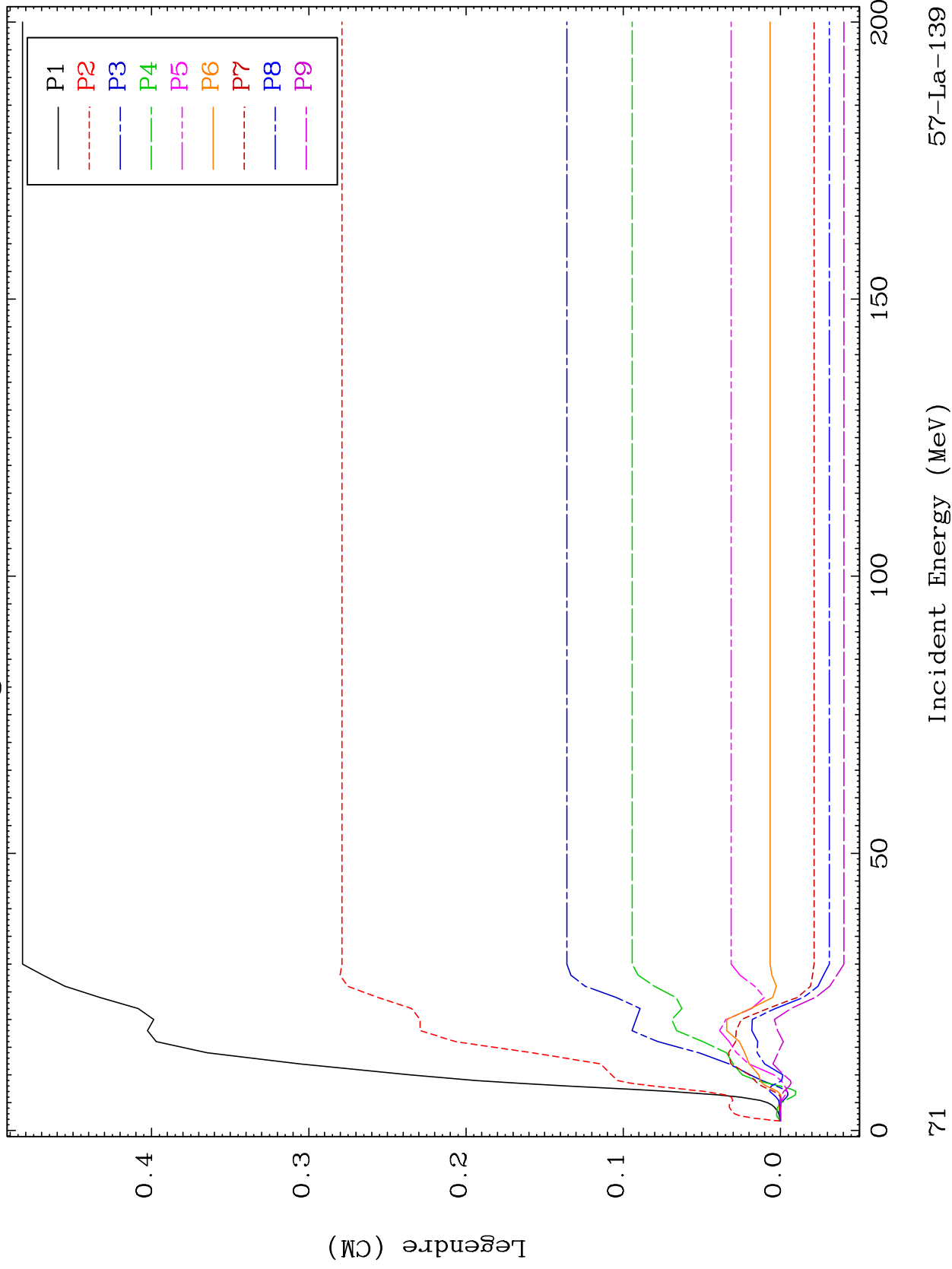
57-La-139

70

MAT 5728

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

57-La-139



71

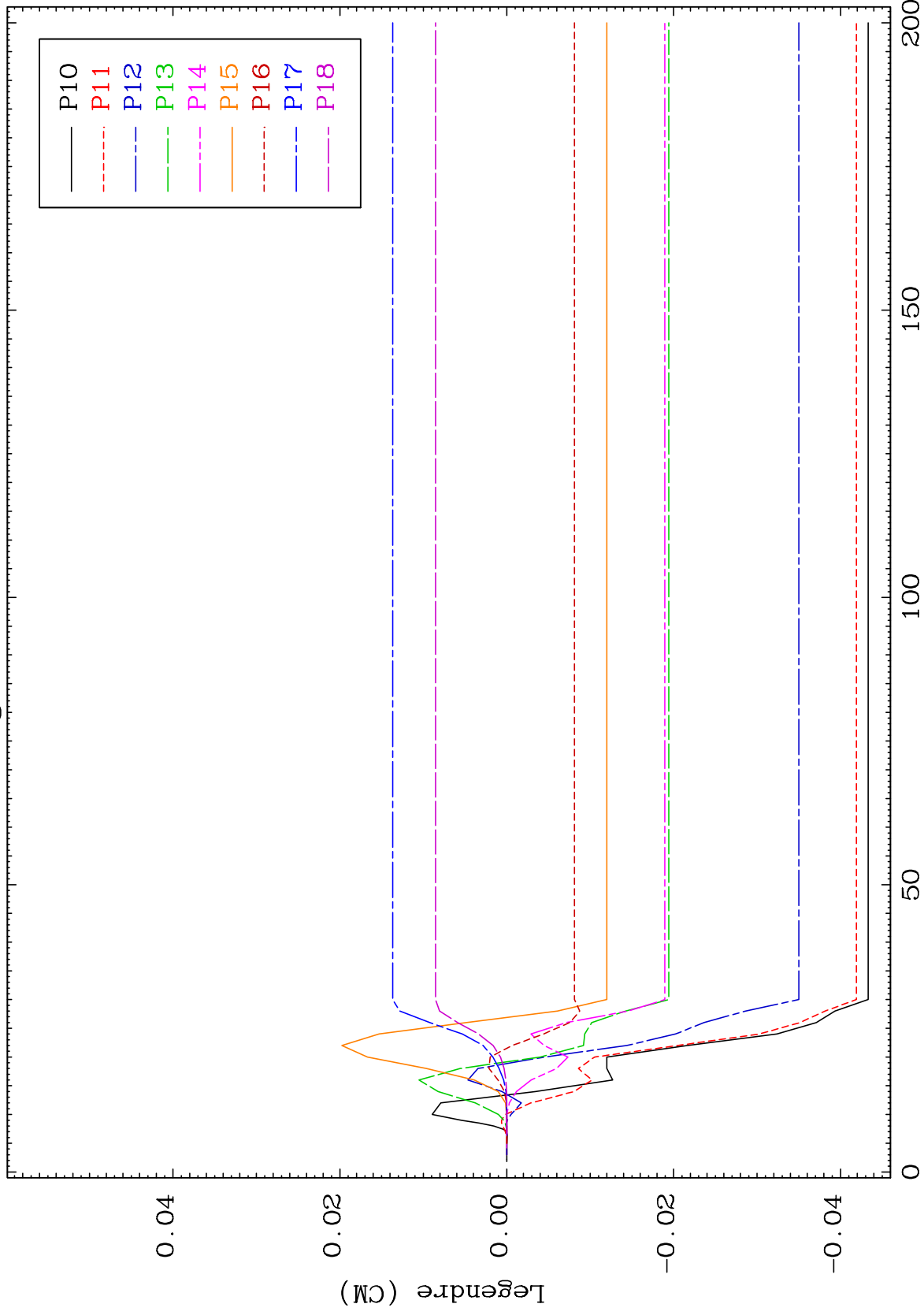
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



72

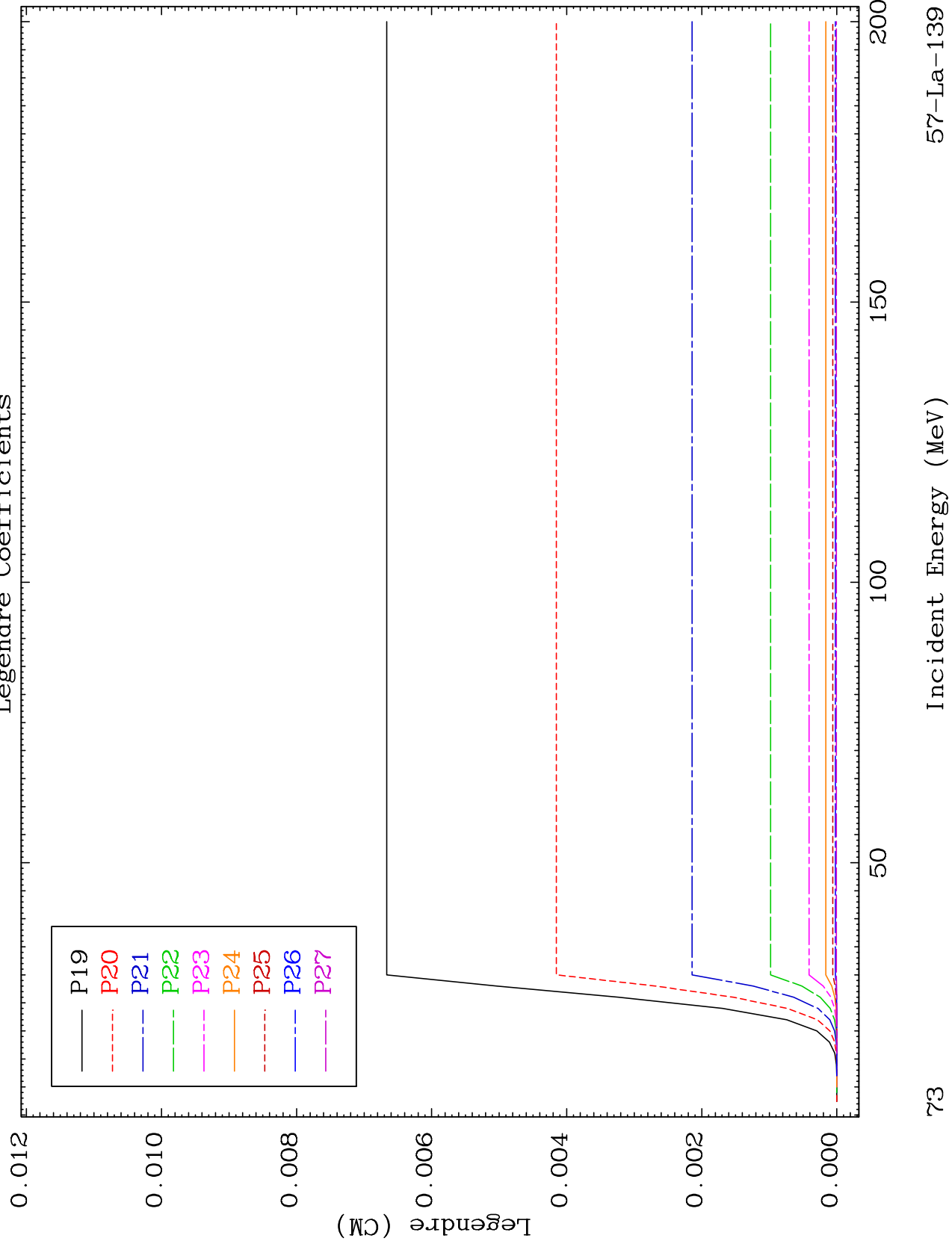
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



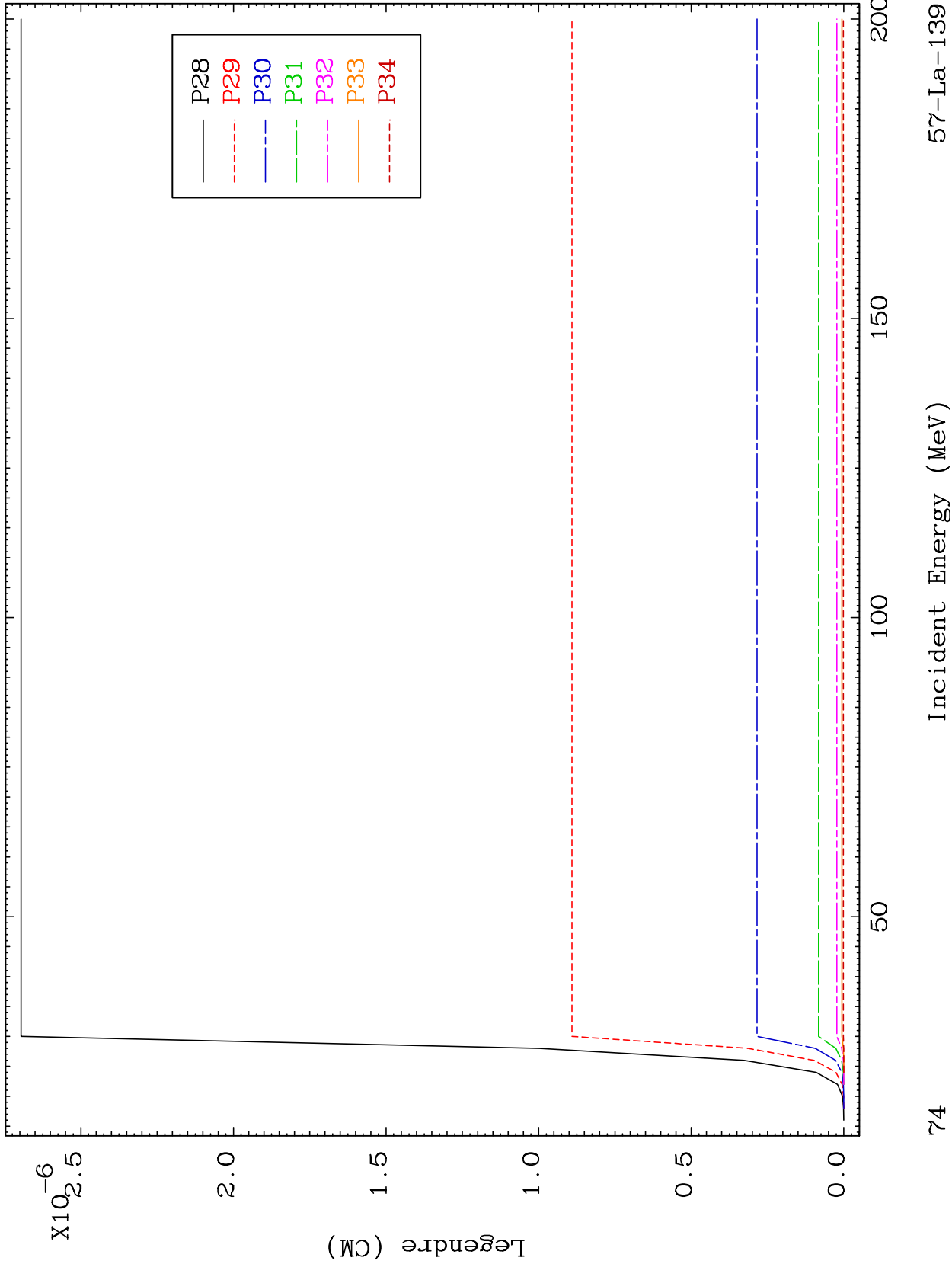
73

57-La-139

MAT 5728

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

57-La-139



74

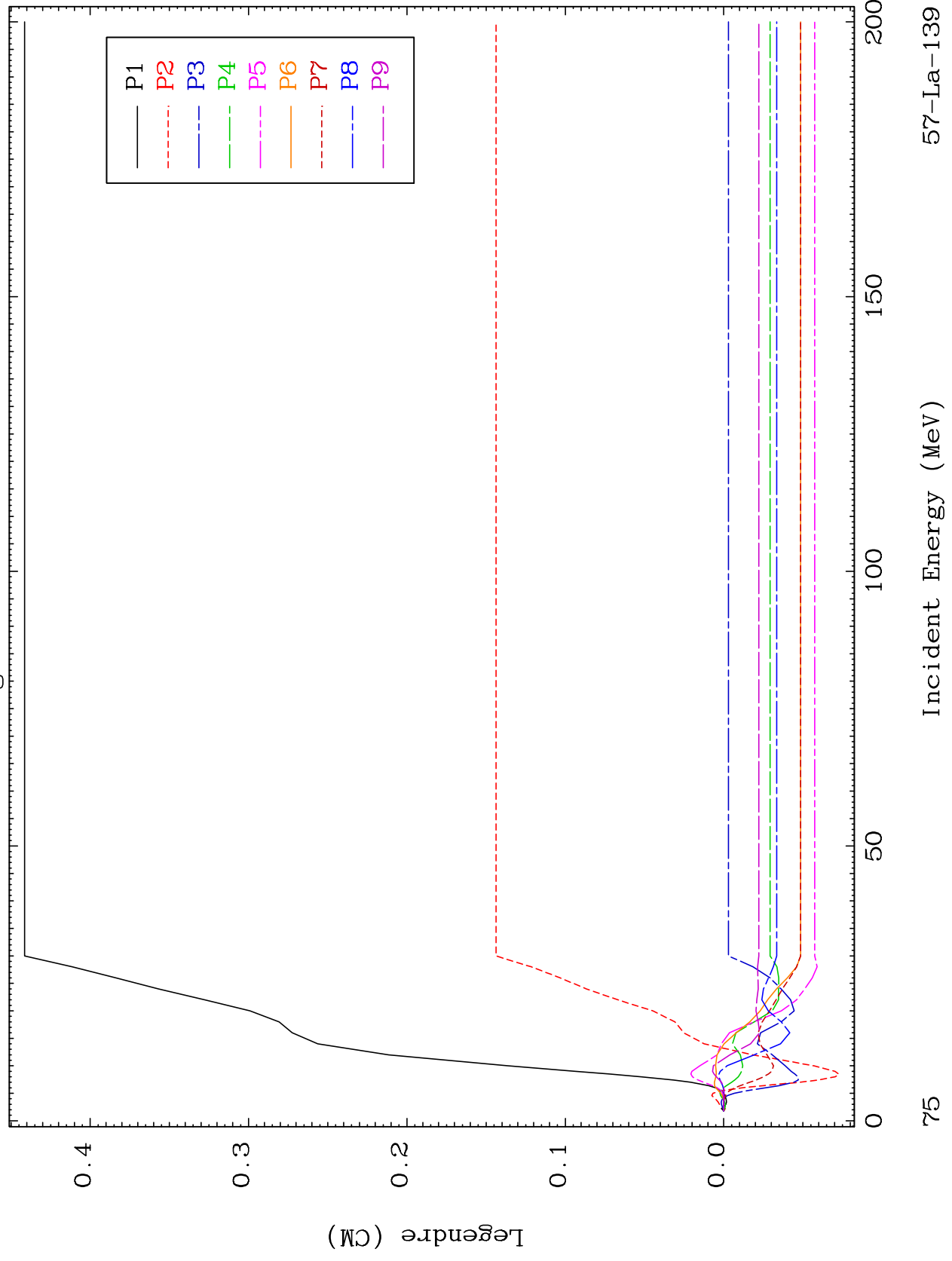
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



57-La-139

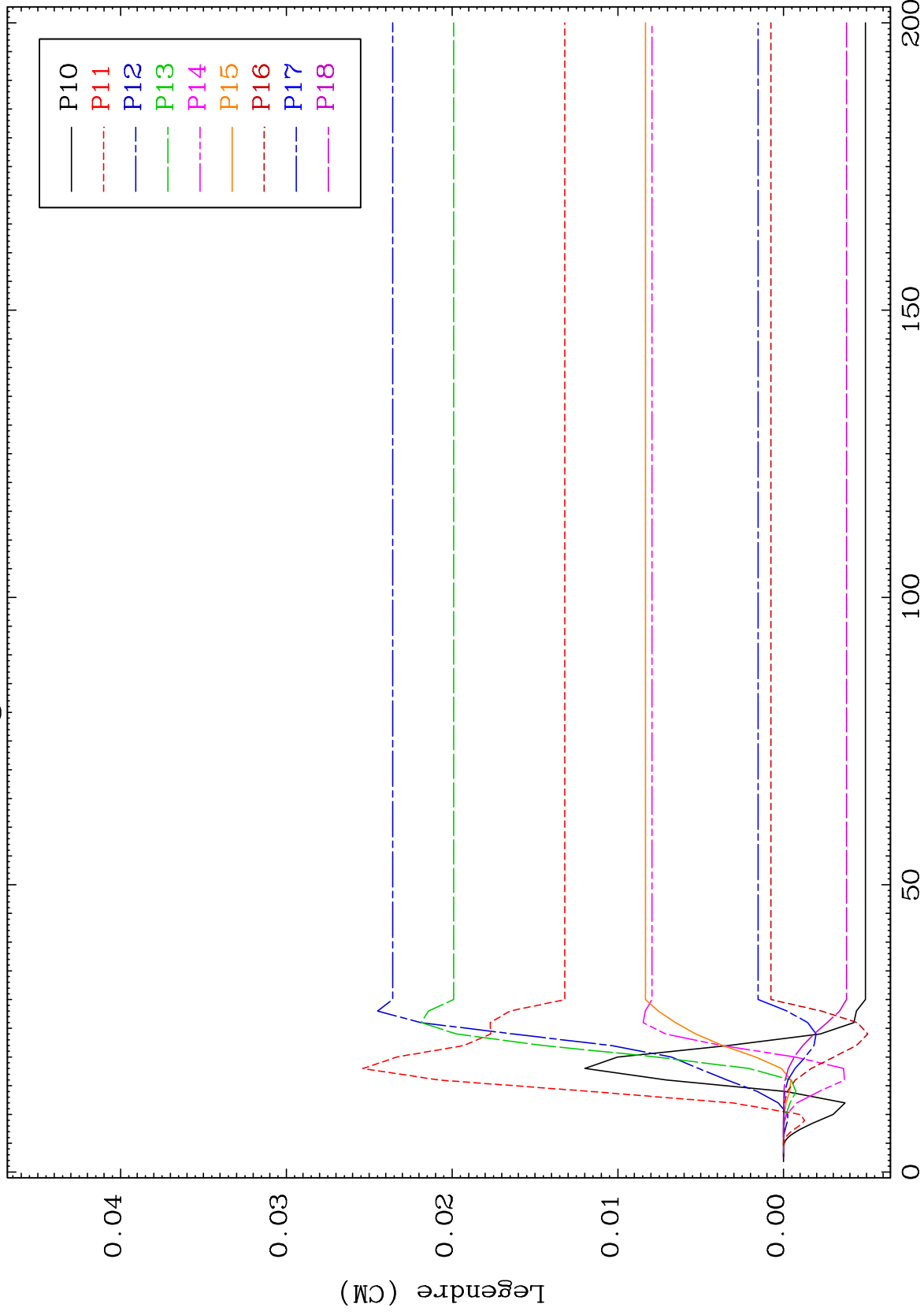
Incident Energy (MeV)

75

MAT 5728

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

57-La-139



76

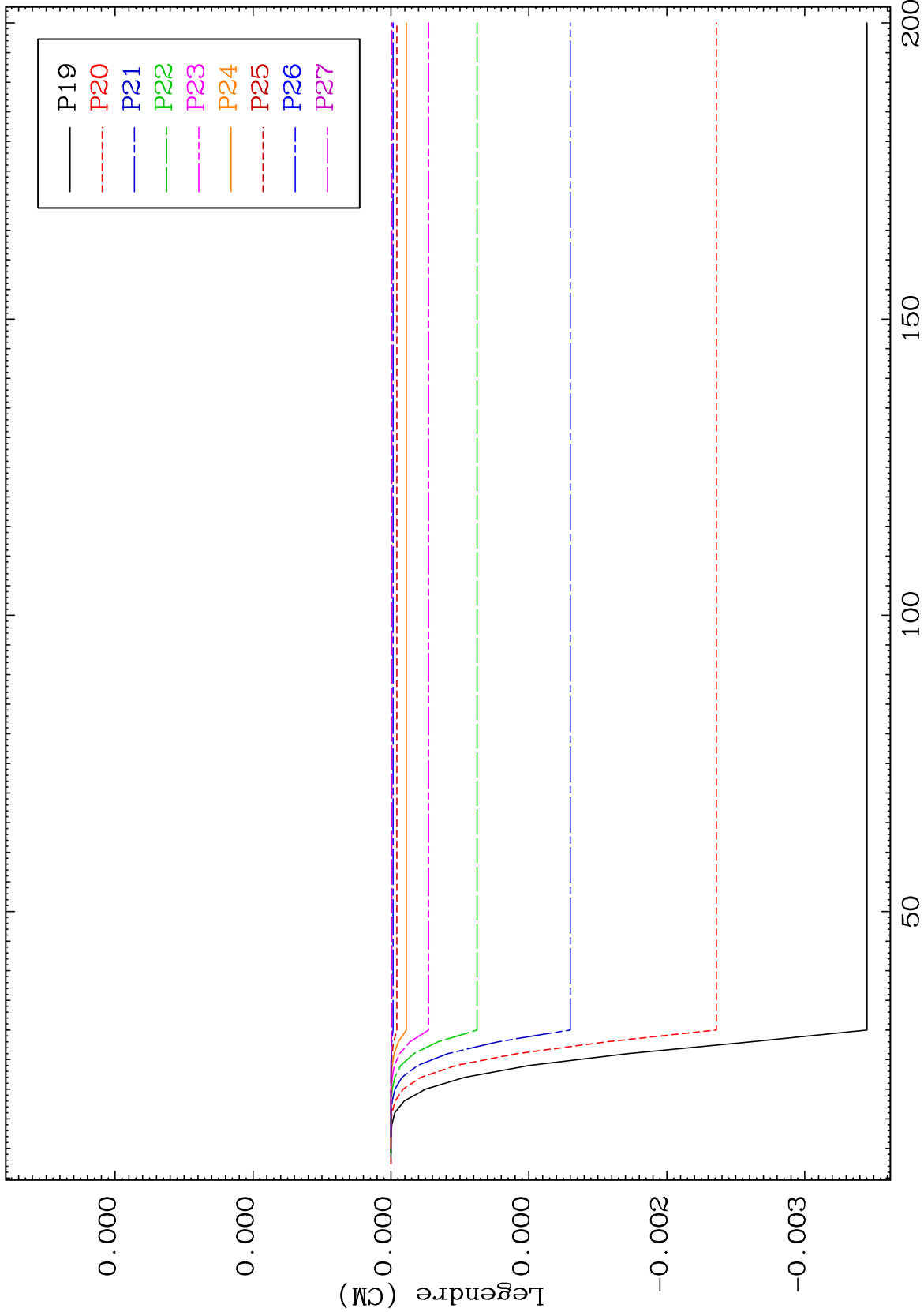
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139

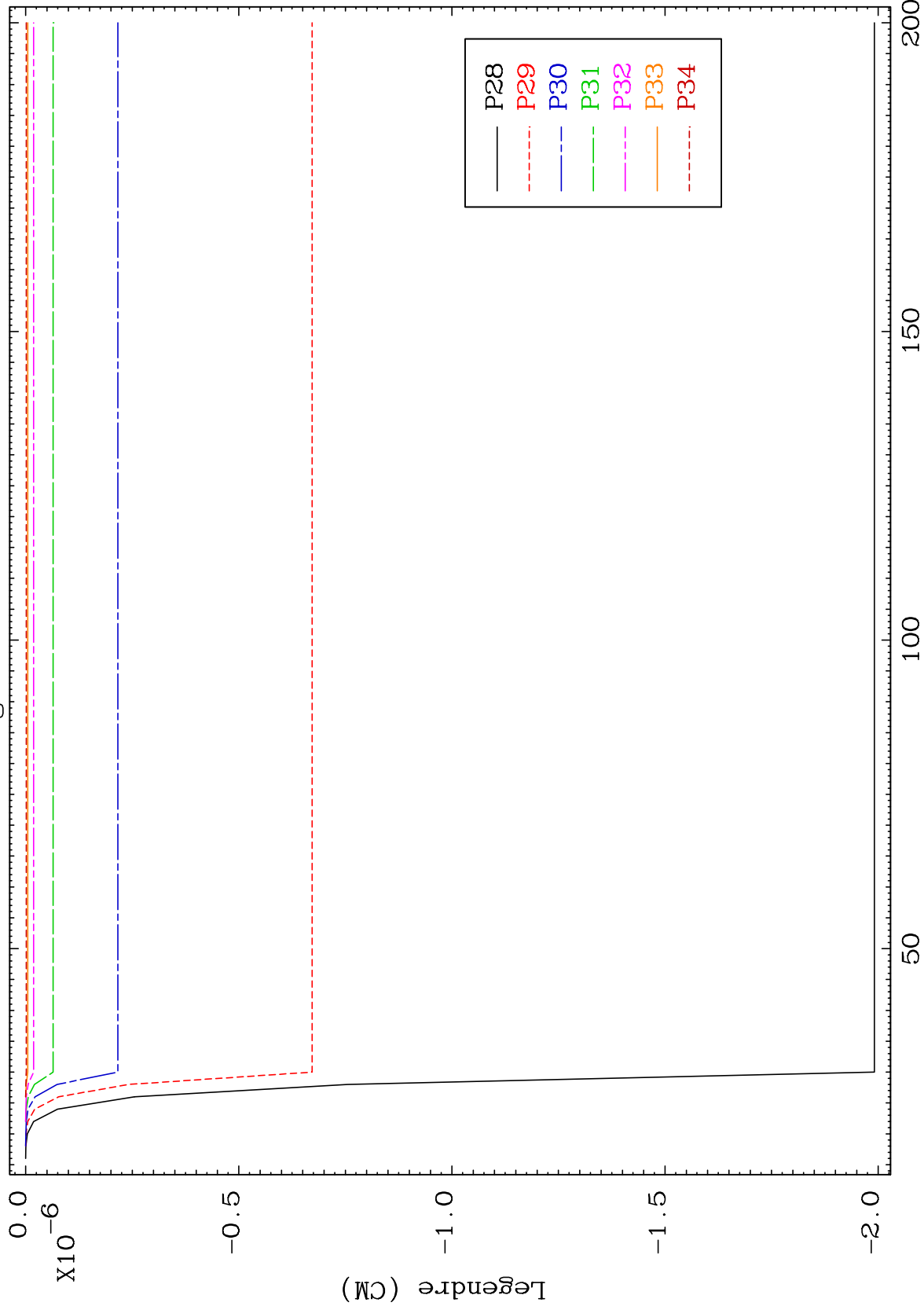


MAT 5728

MT= 65 (n,n') Level

57-La-139

Legendre Coefficients



78

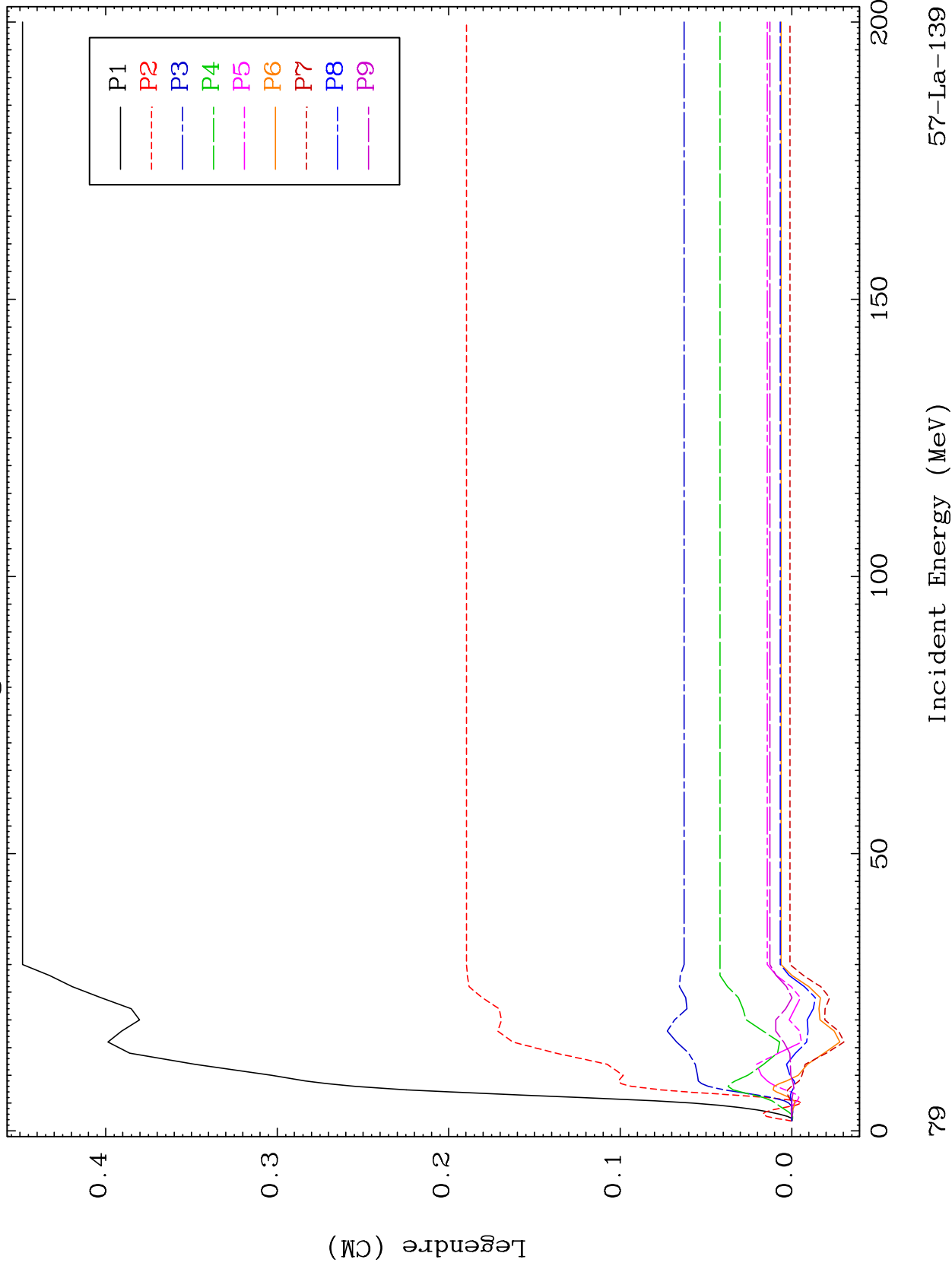
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



57-La-139

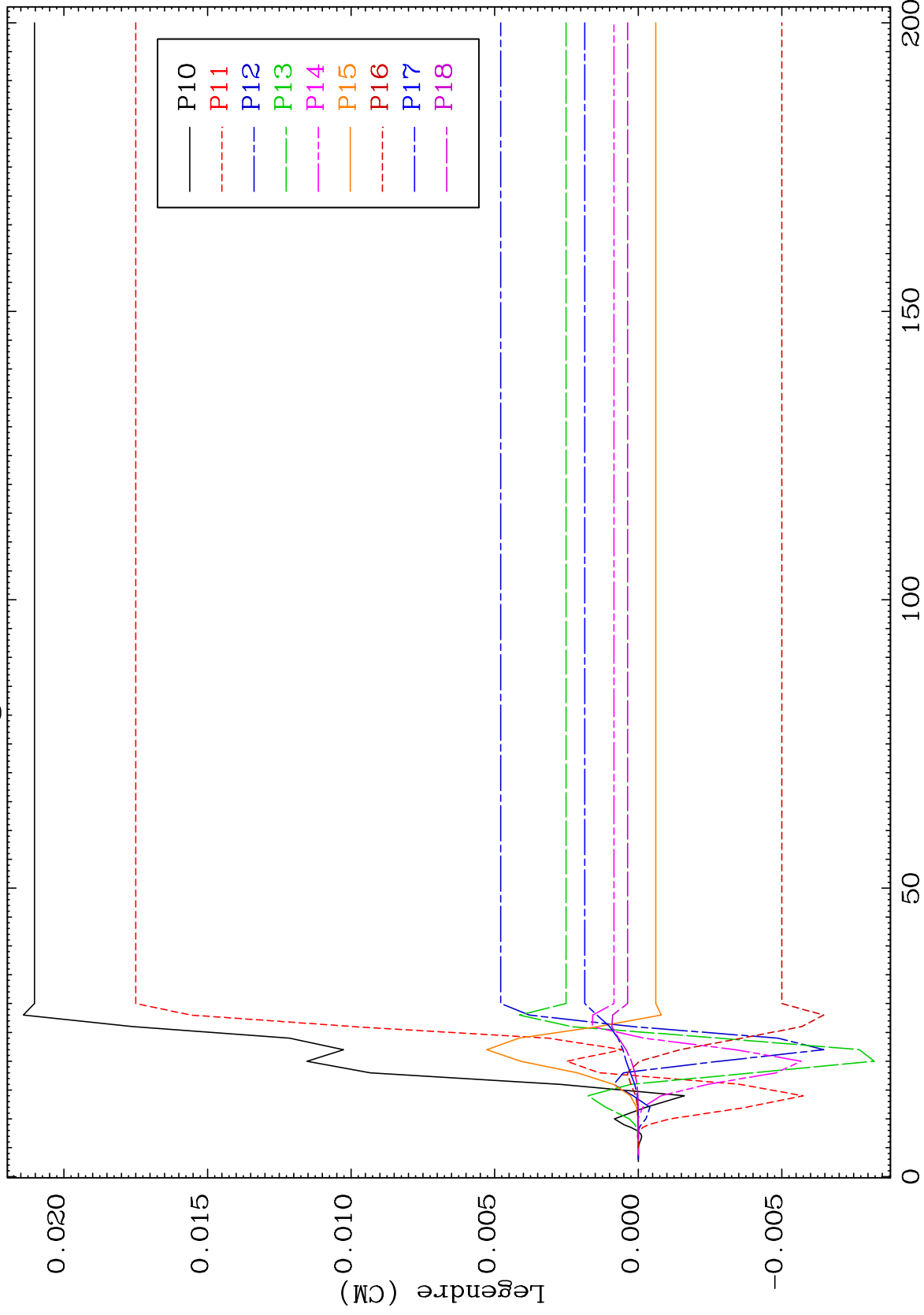
Incident Energy (MeV)

79

MAT 5728

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

57-La-139



57-La-139

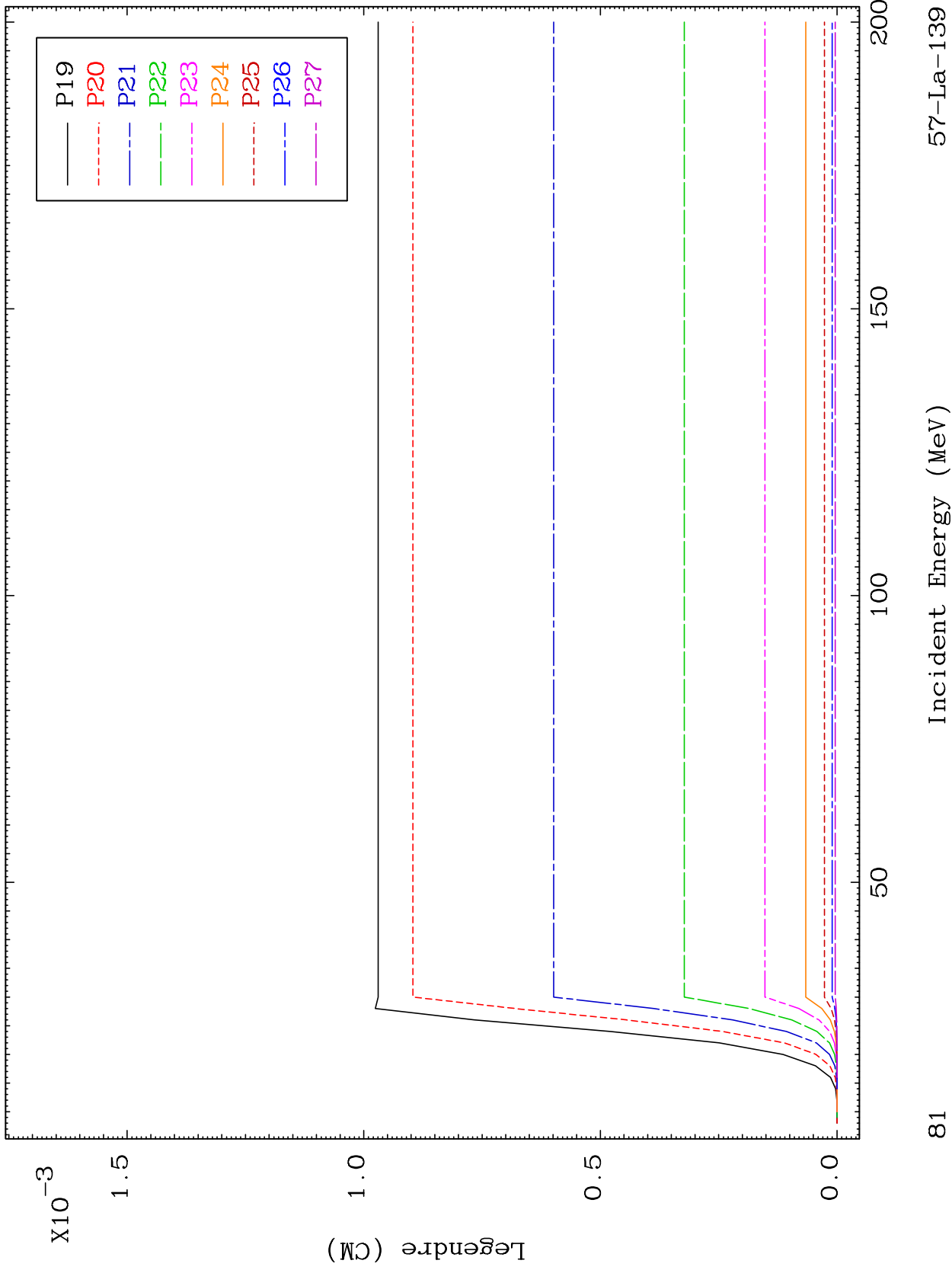
Incident Energy (MeV)

80

MAT 5728

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

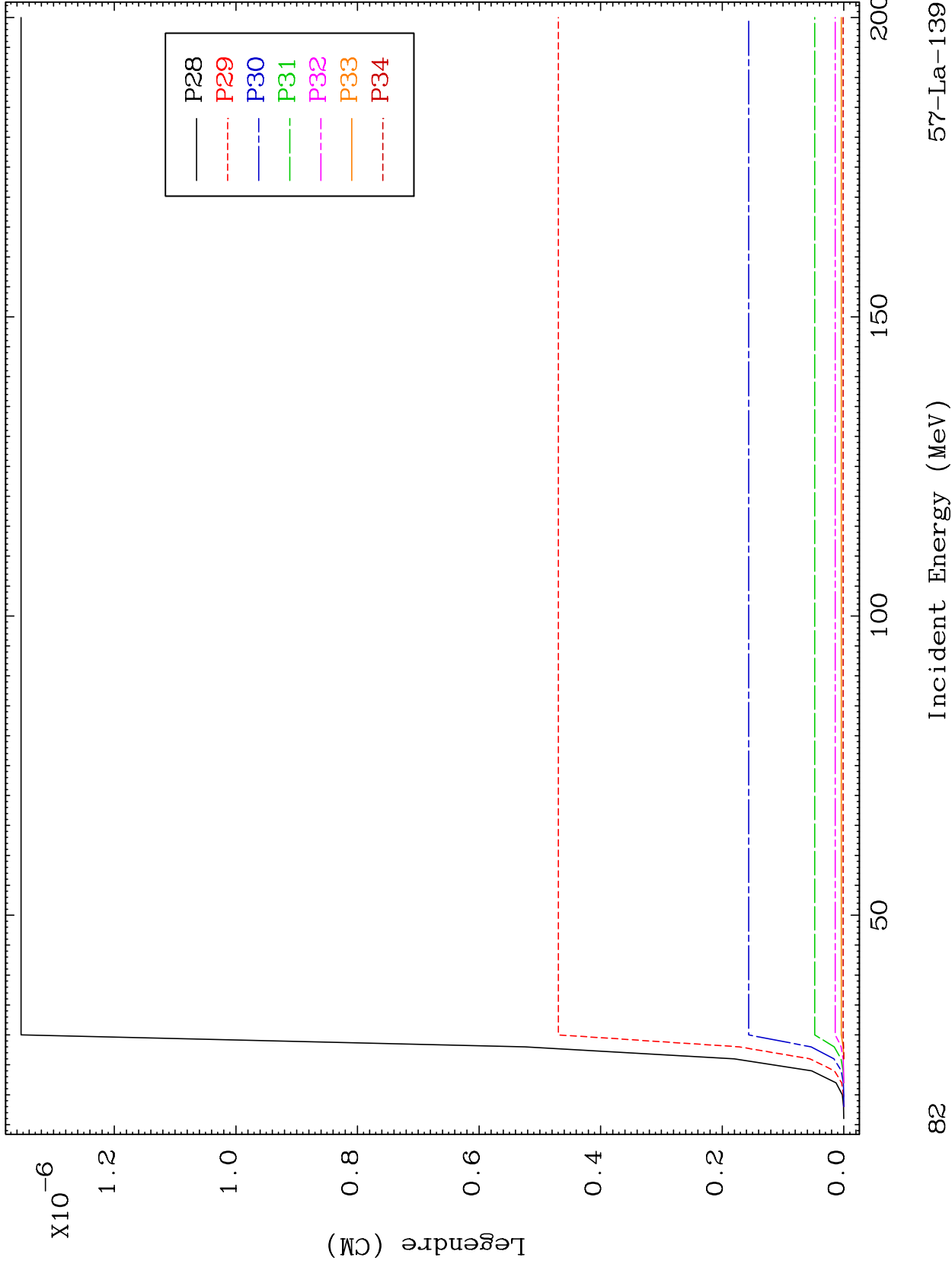
57-La-139



MAT 5728

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

57-La-139



82

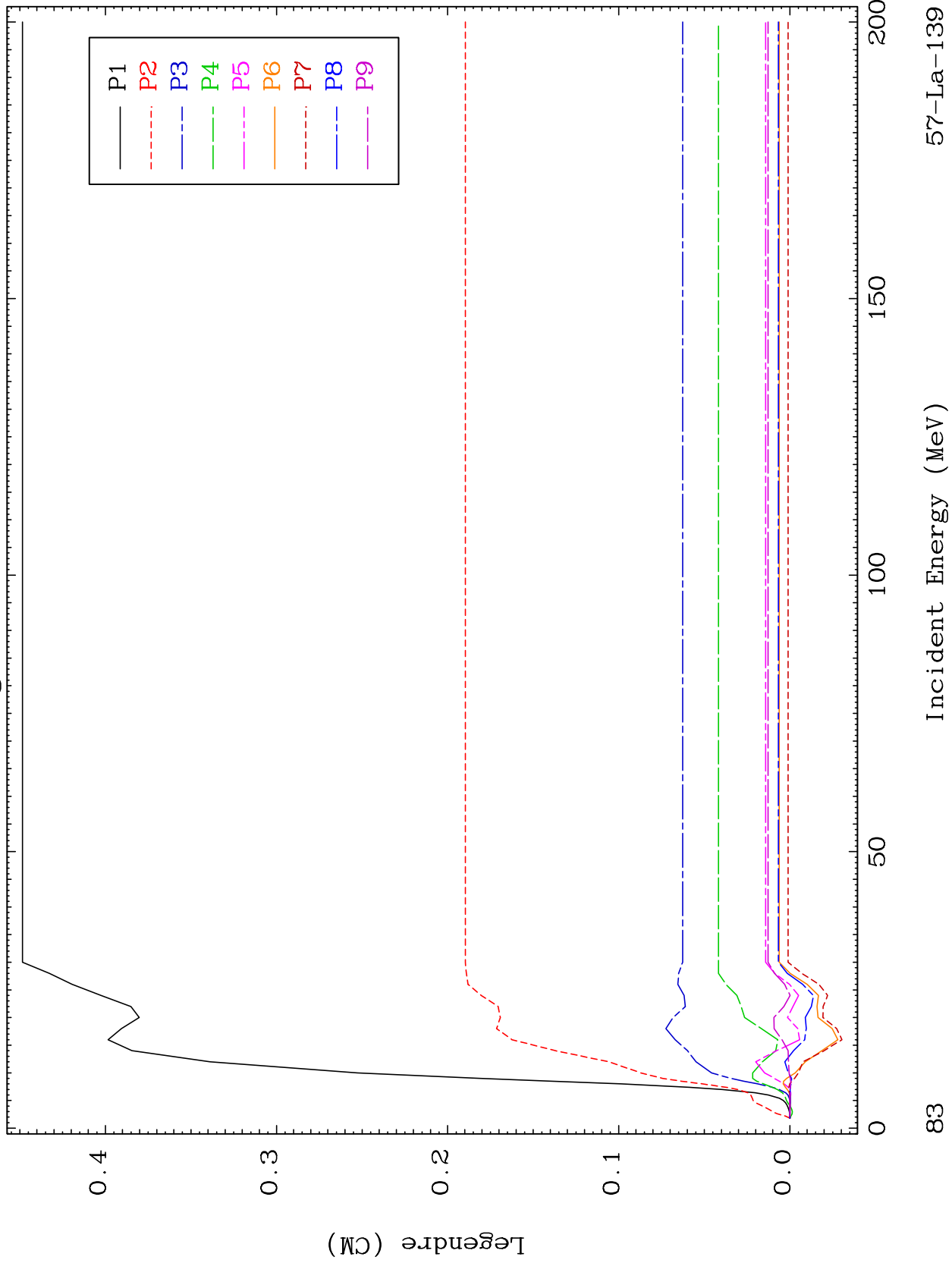
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



57-La-139

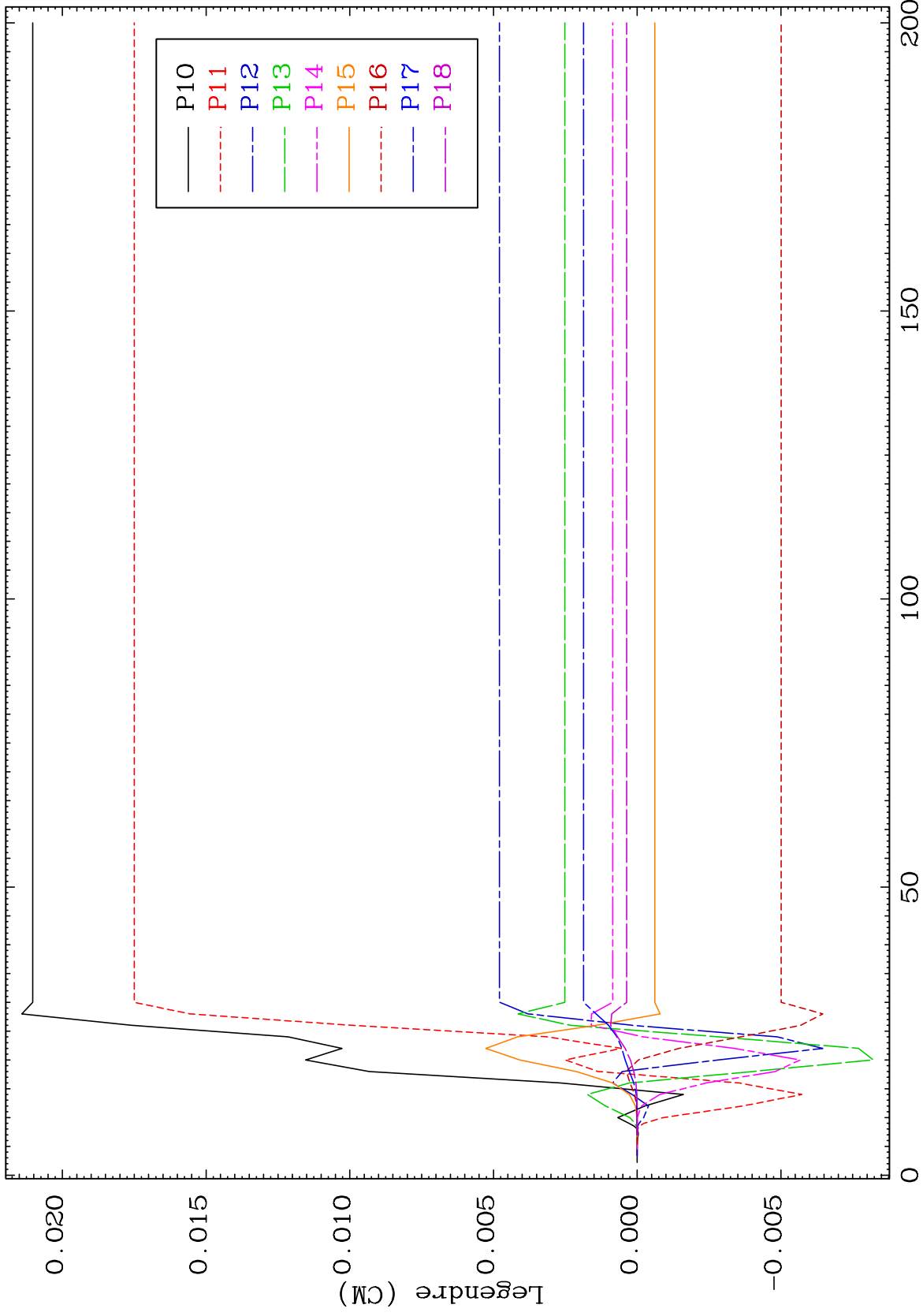
Incident Energy (MeV)

83

MAT 5728

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

57-La-139



84

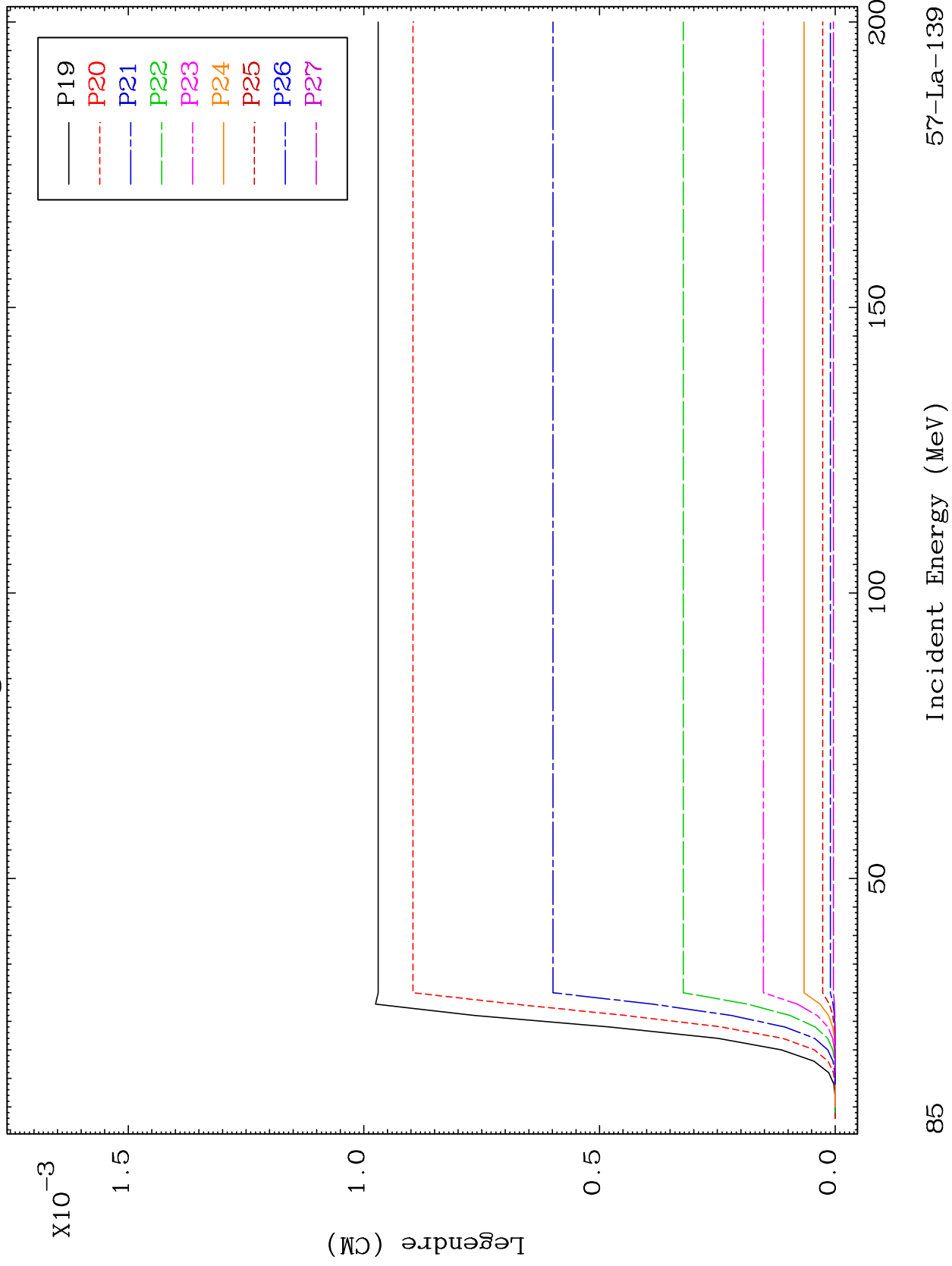
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



85

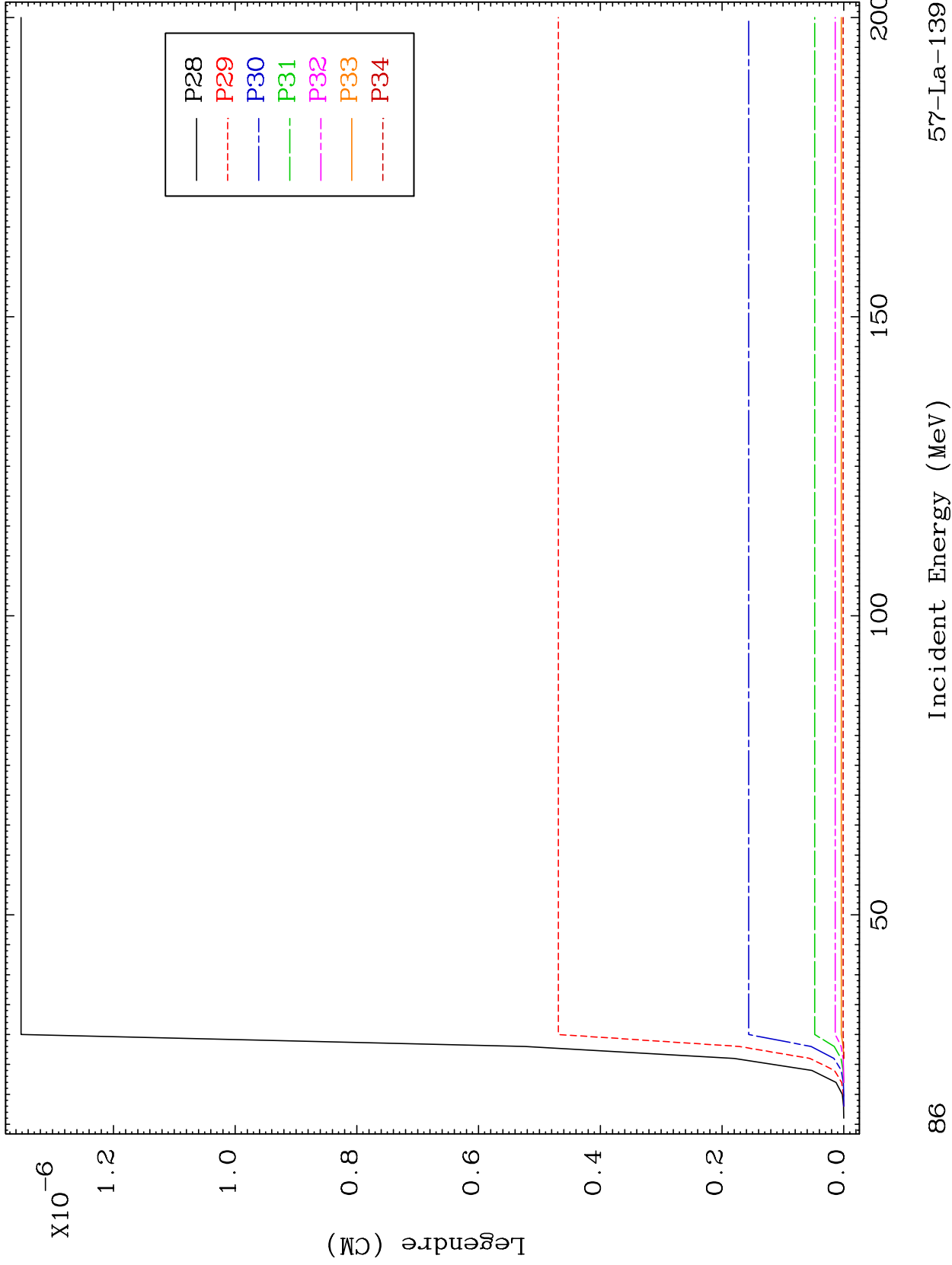
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



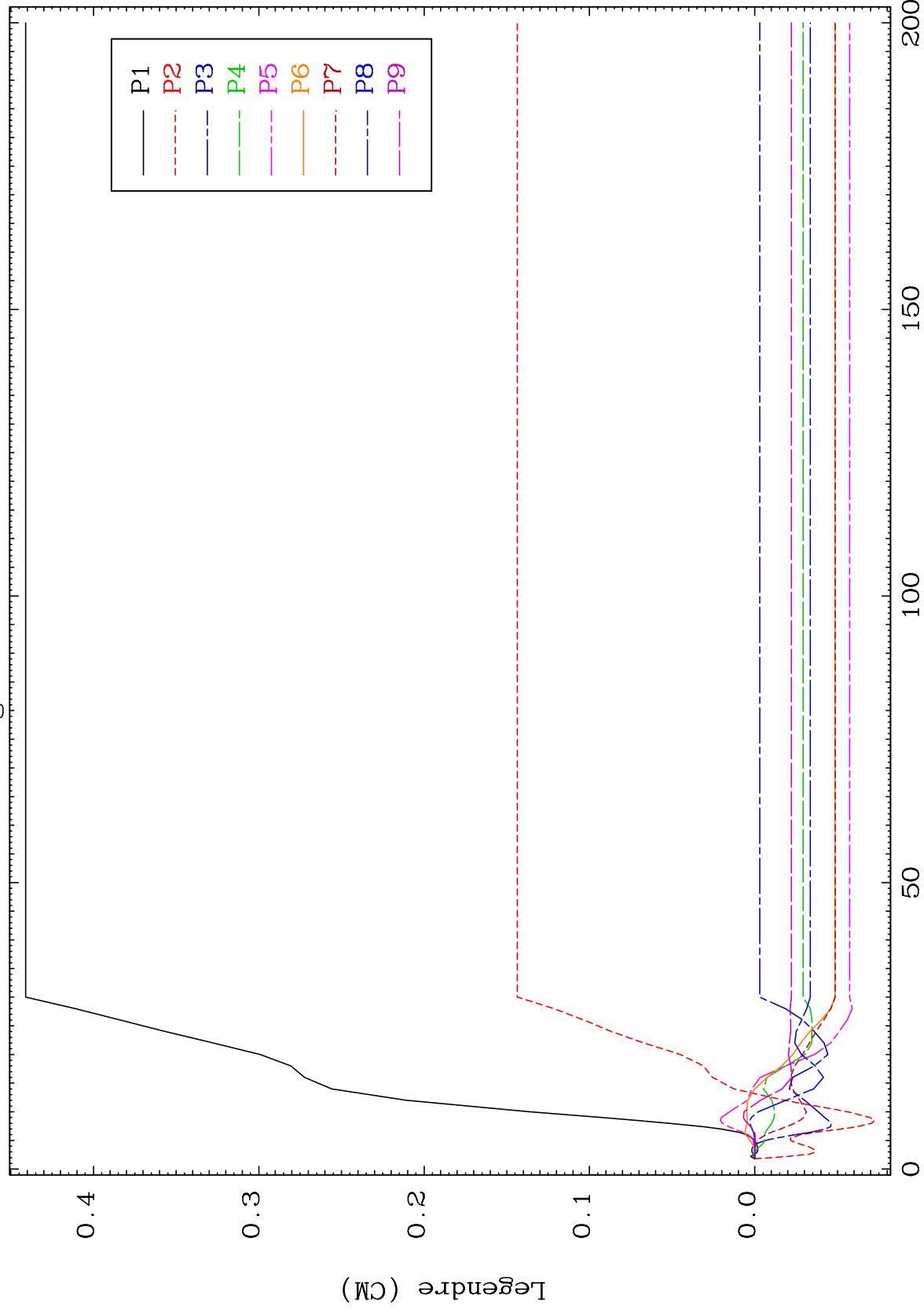
86

57-La-139

MAT 5728

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

57-La-139



87

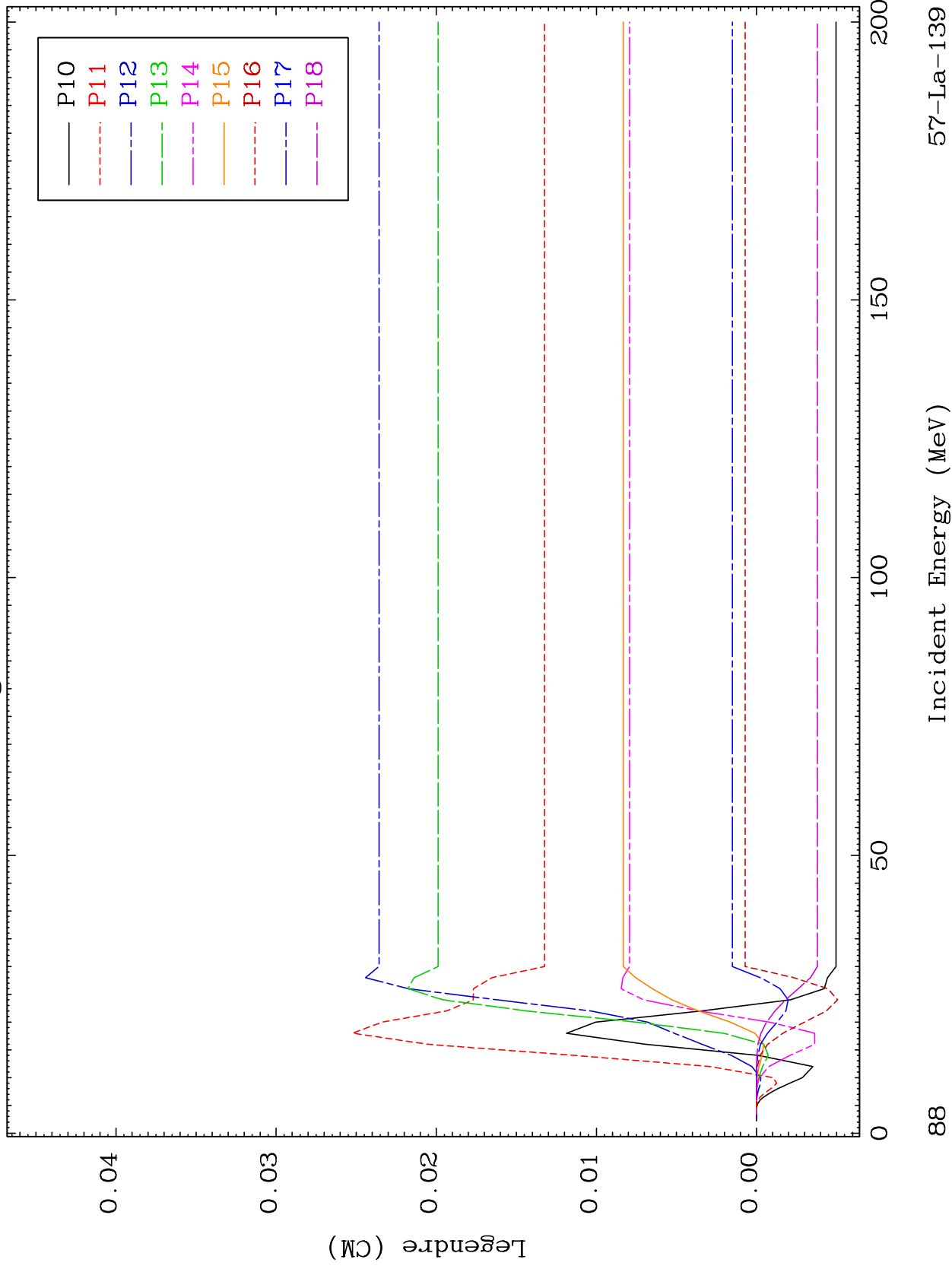
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



57-La-139

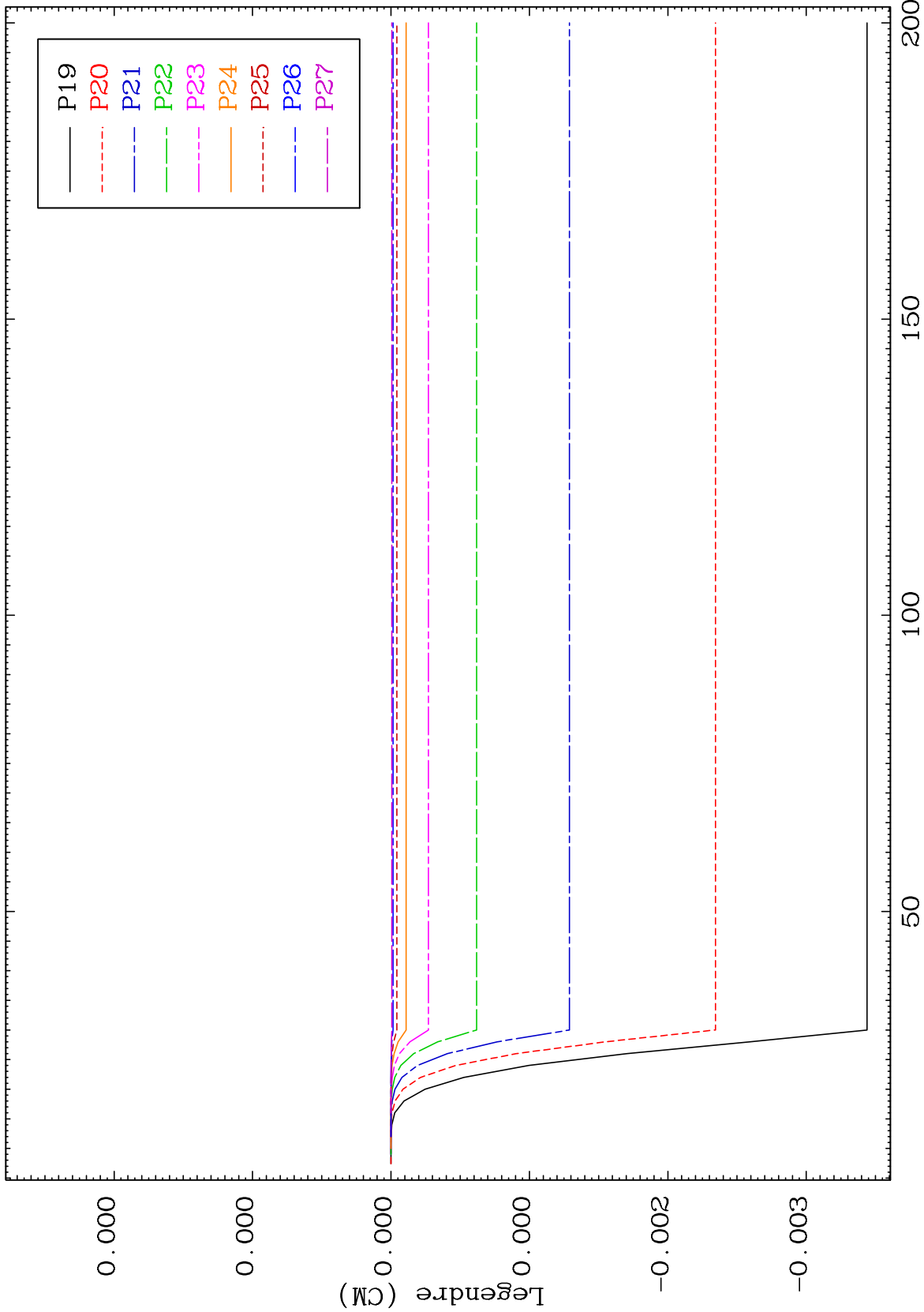
Incident Energy (MeV)

88

MAT 5728

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

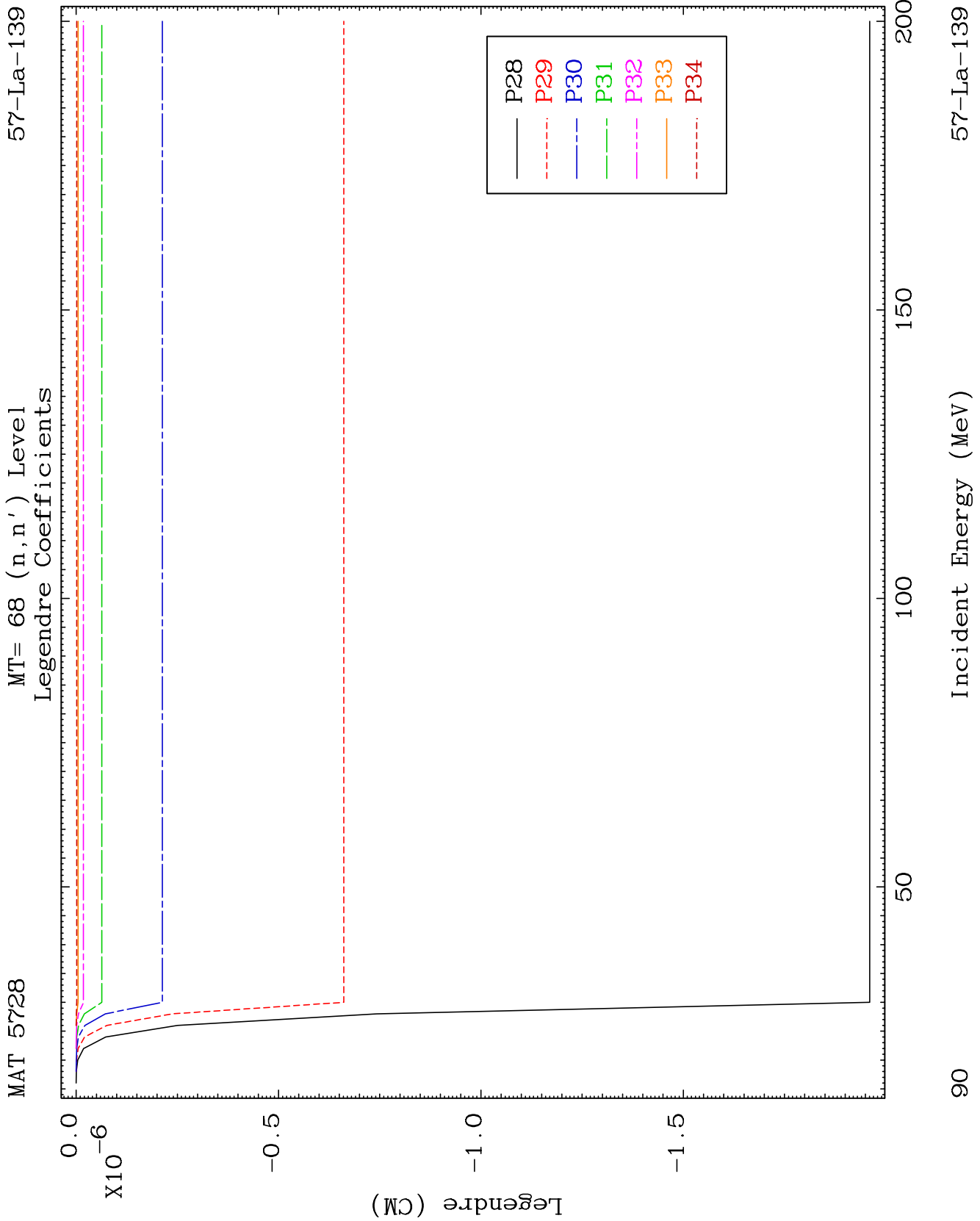
57-La-139



89

Incident Energy (MeV)

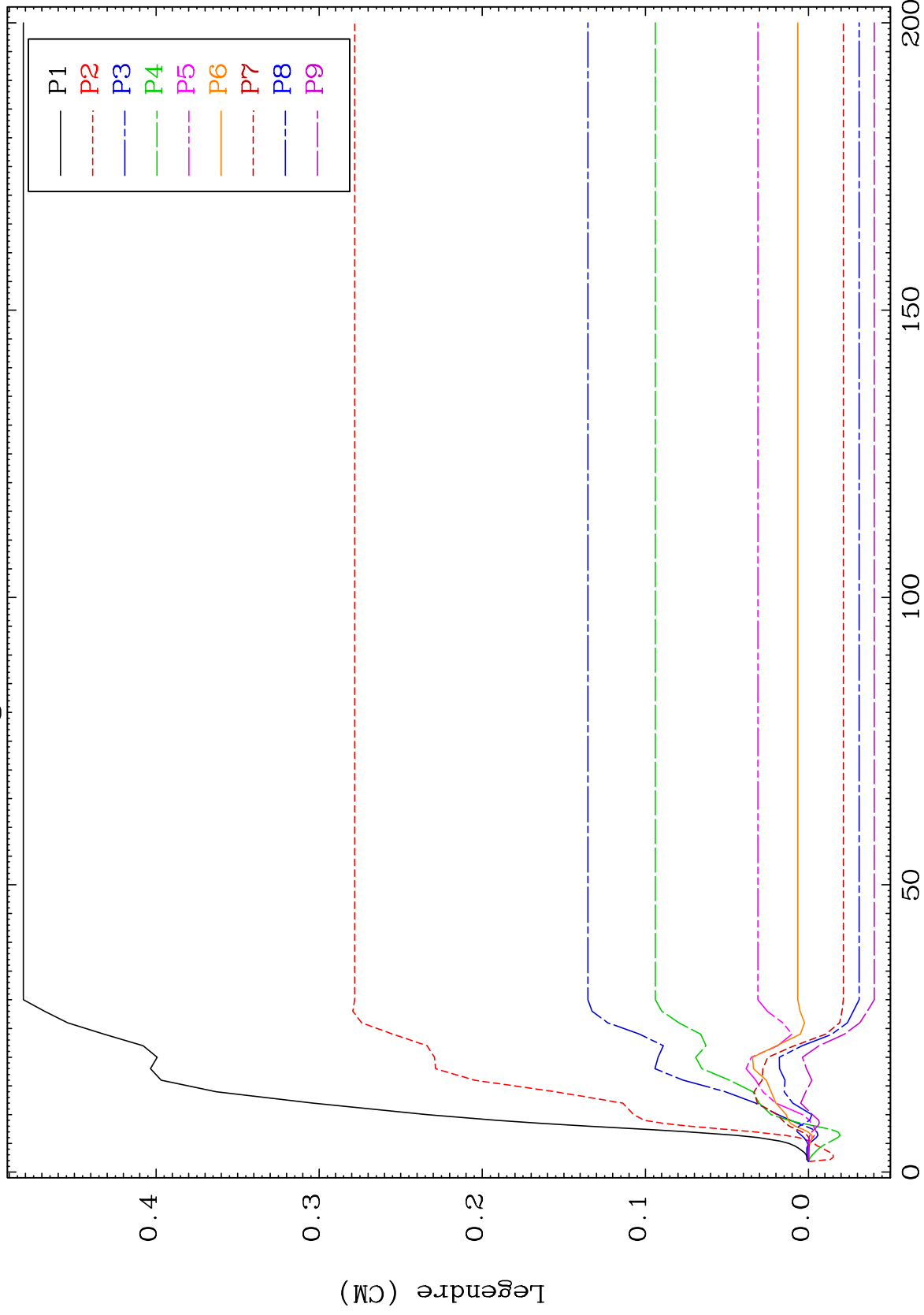
57-La-139



MAT 5728

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

57-La-139



57-La-139

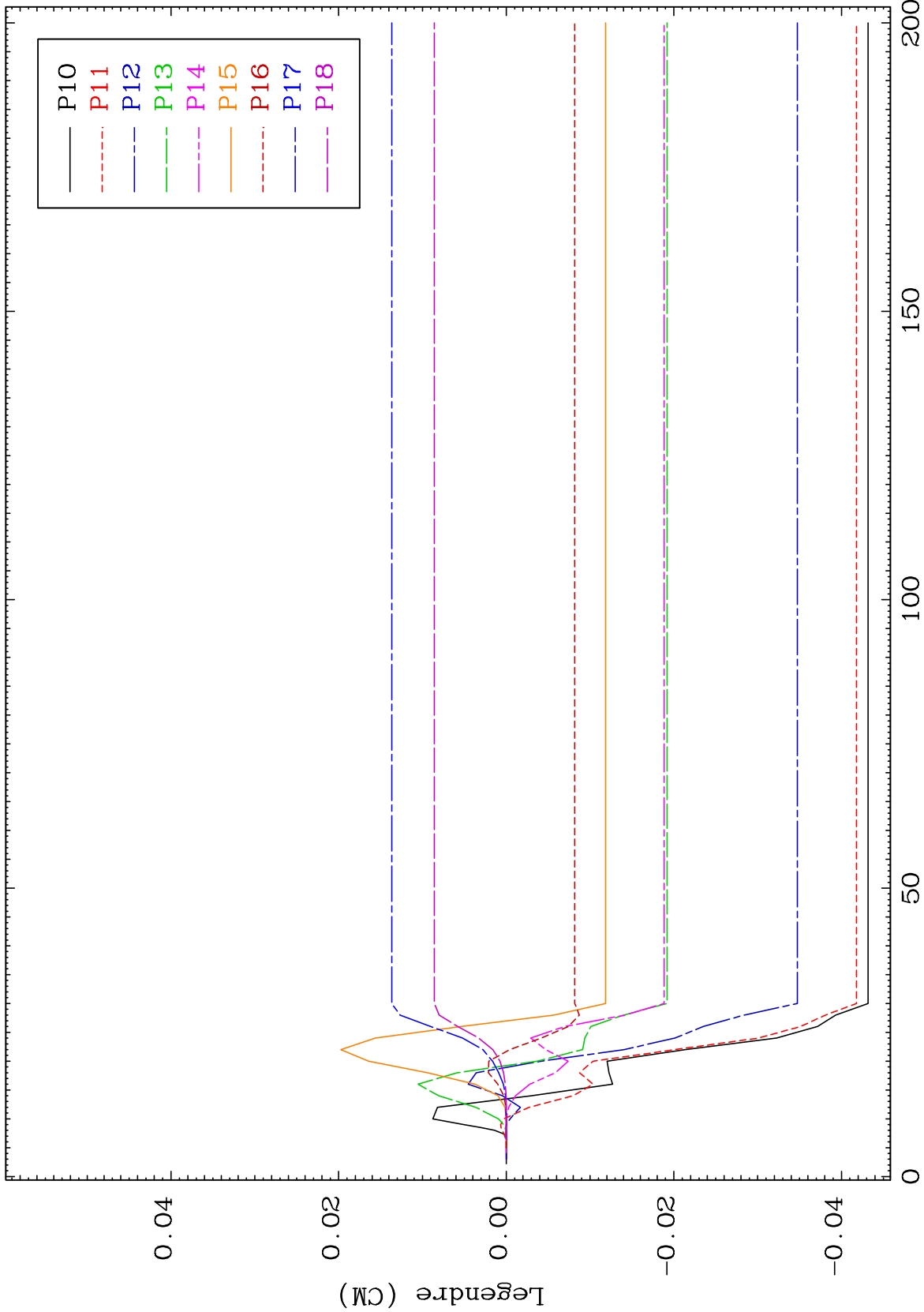
Incident Energy (MeV)

91

MAT 5728

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

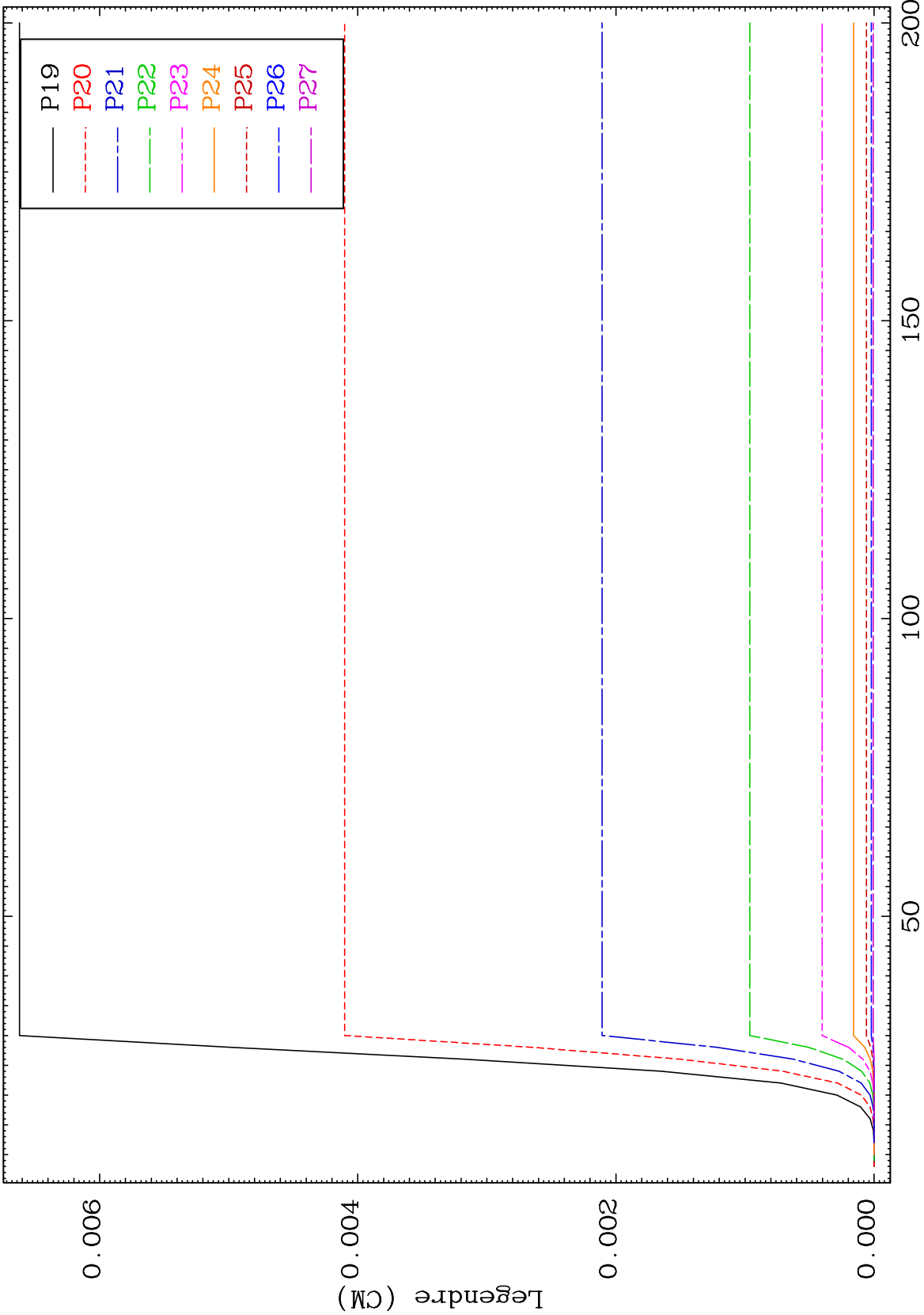
57-La-139



92

Incident Energy (MeV)

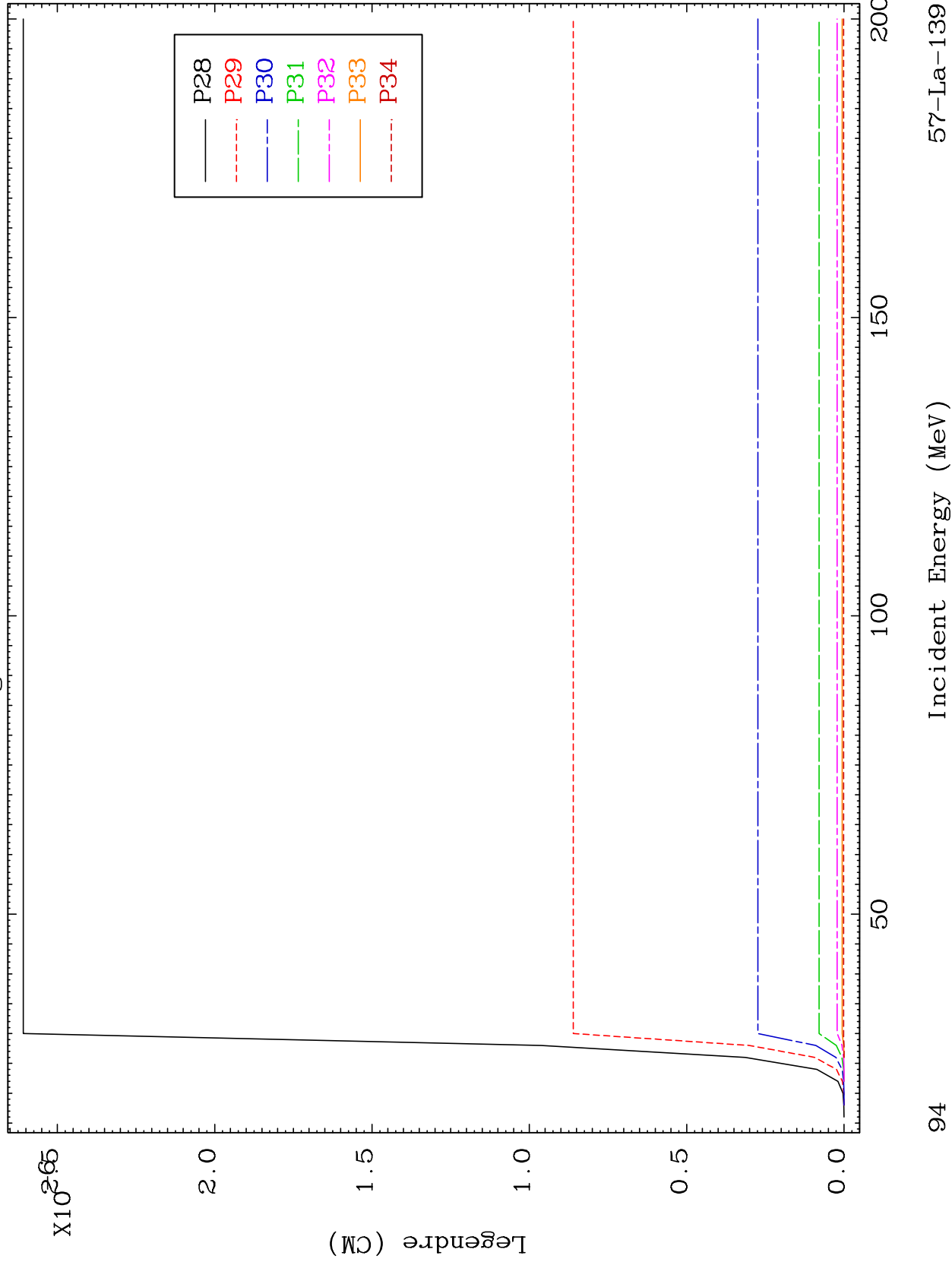
57-La-139



MAT 5728

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

57-La-139



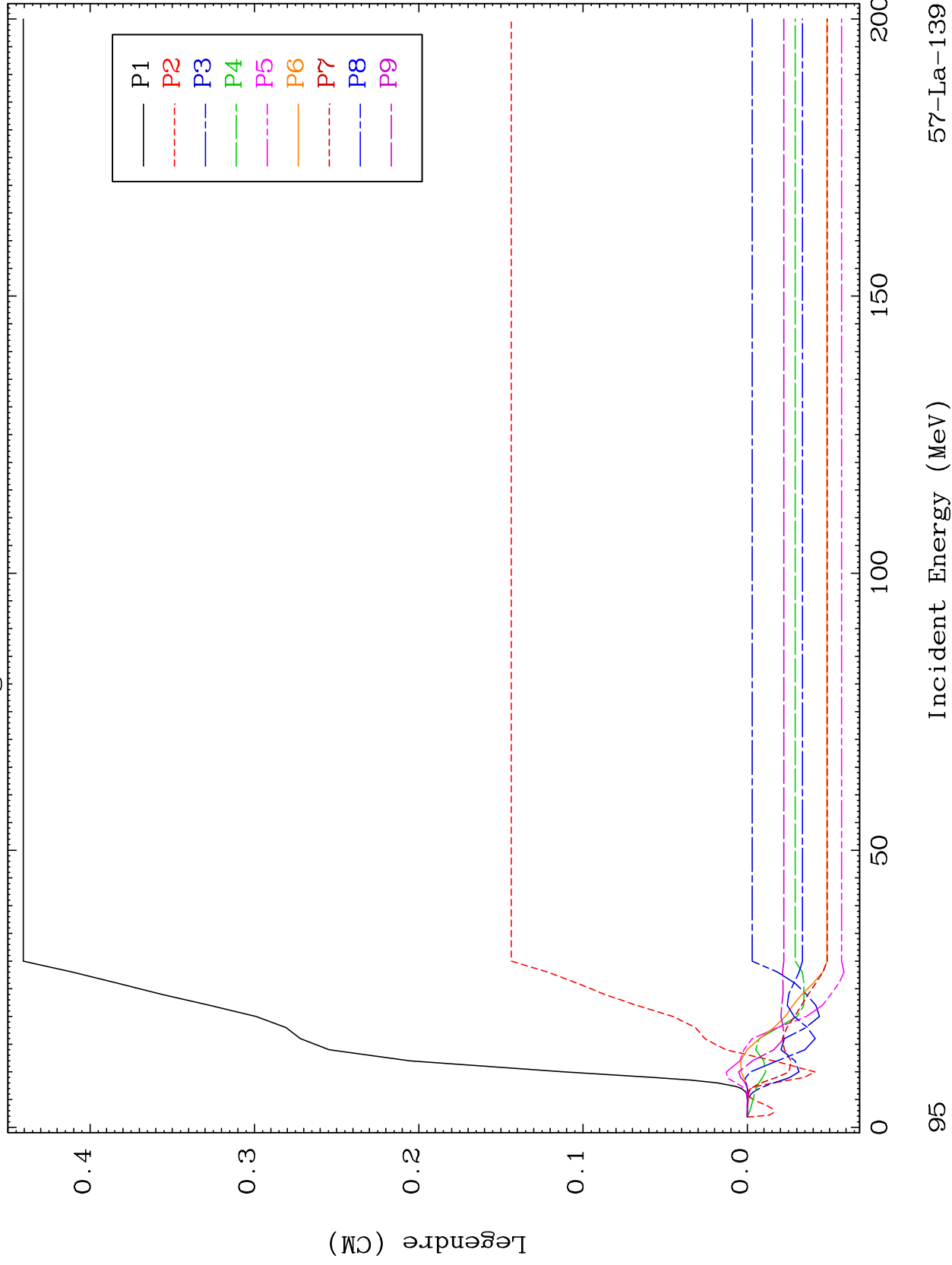
94

57-La-139

MAT 5728

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

57-La-139



57-La-139

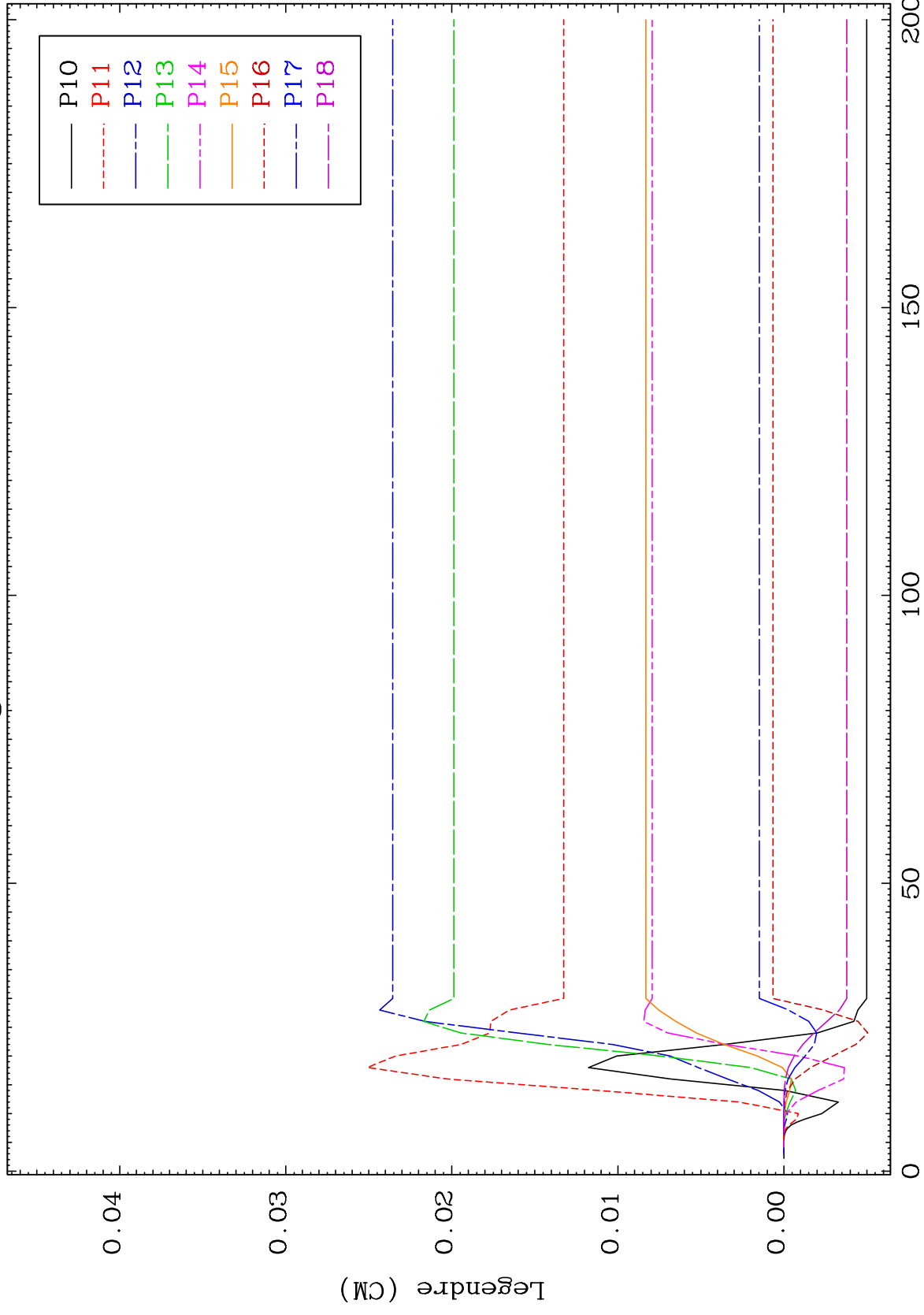
Incident Energy (MeV)

95

MAT 5728

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

57-La-139



96

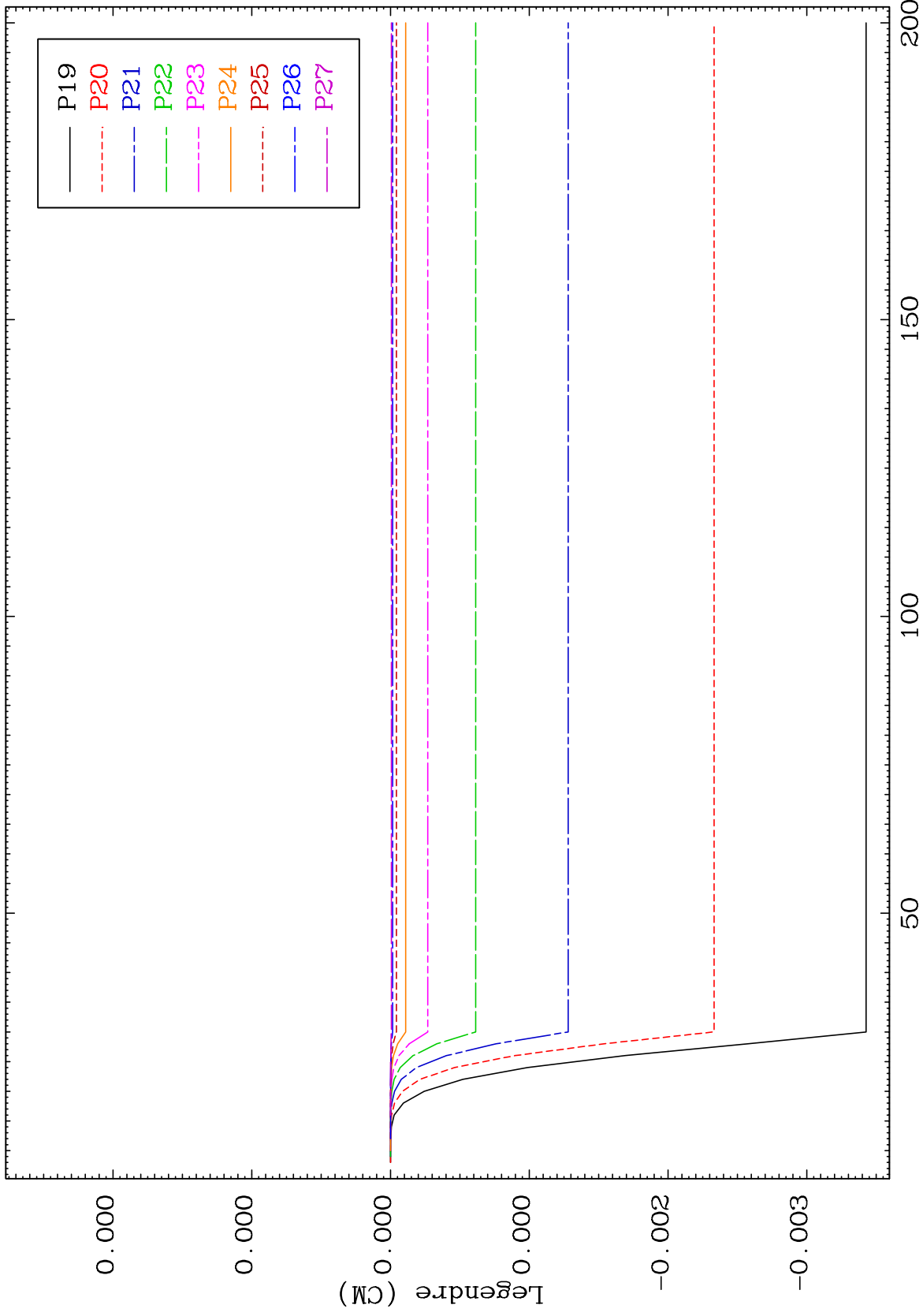
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



97

Incident Energy (MeV)

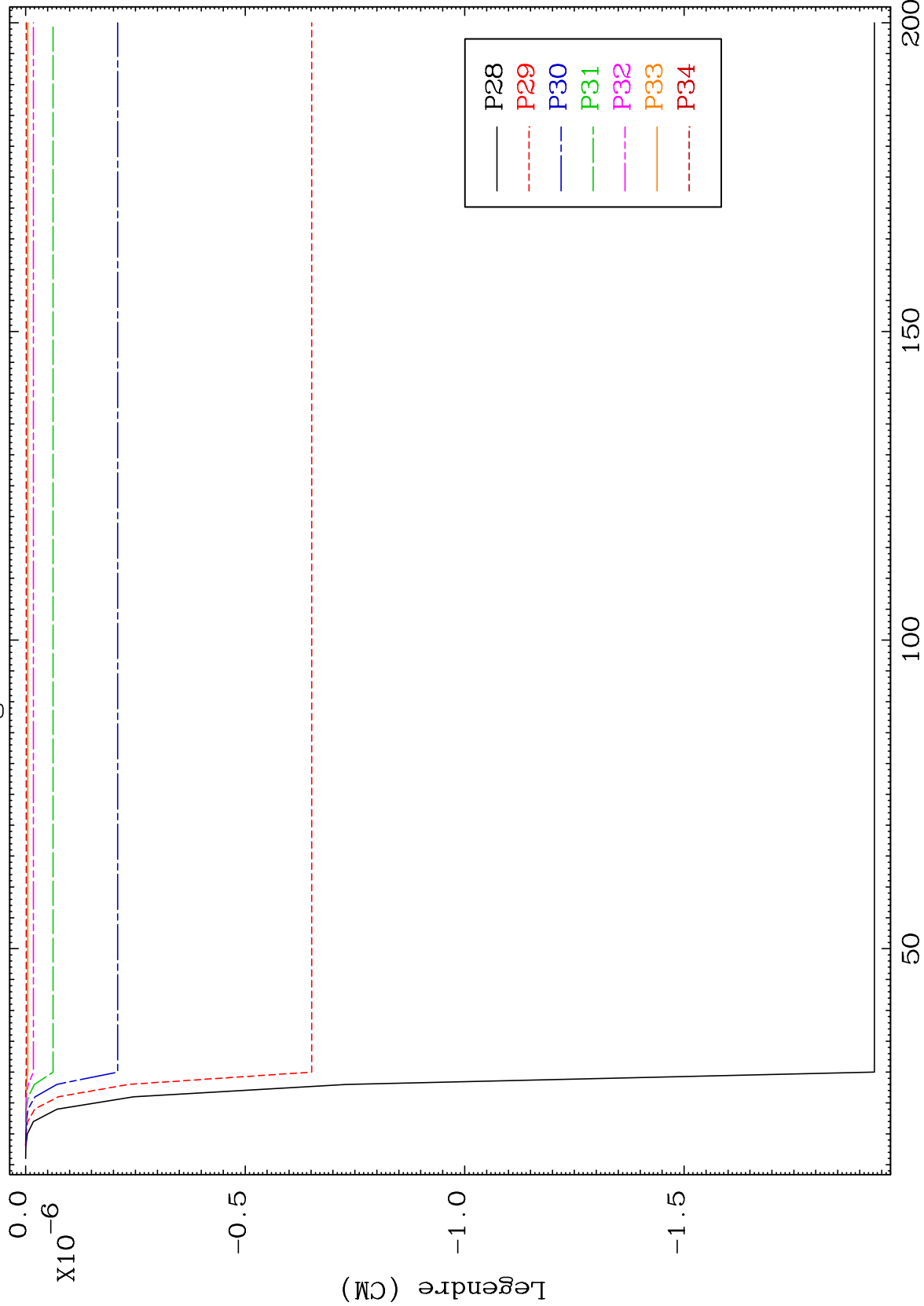
57-La-139

MAT 5728

MT= 70 (n,n') Level

57-La-139

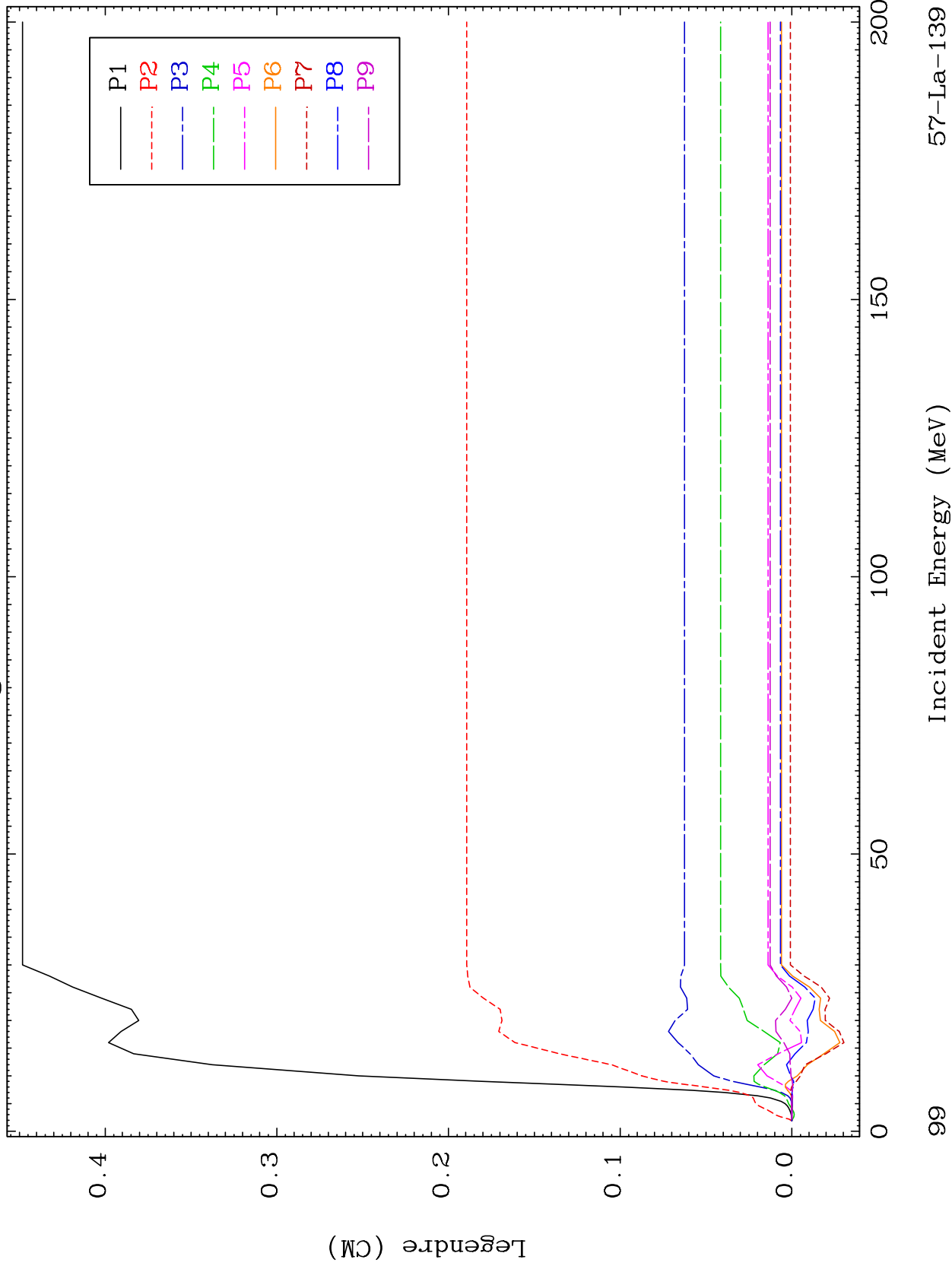
Legendre Coefficients



MAT 5728

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

57-La-139



57-La-139

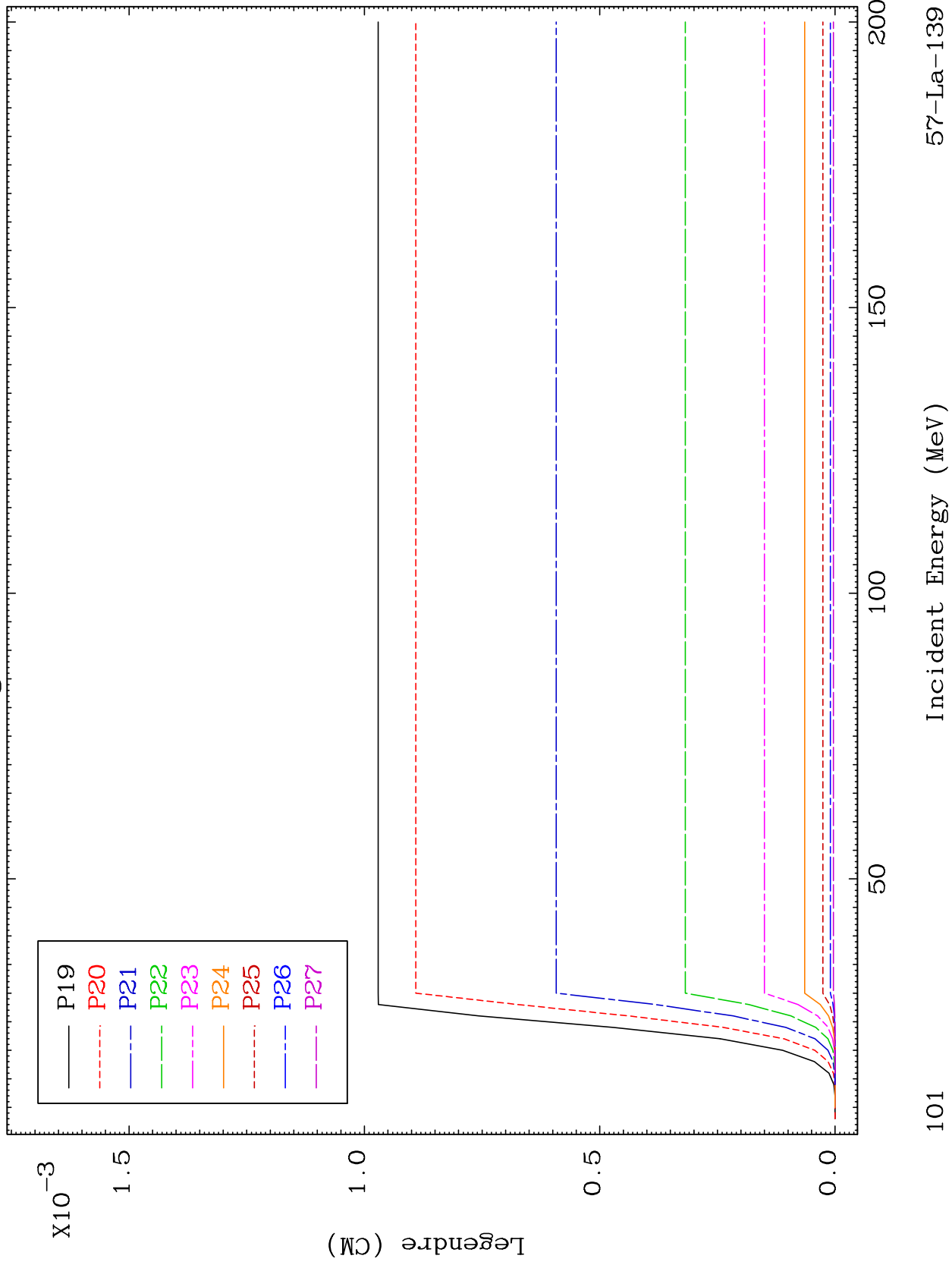
Incident Energy (MeV)

99

MAT 5728

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

57-La-139



101

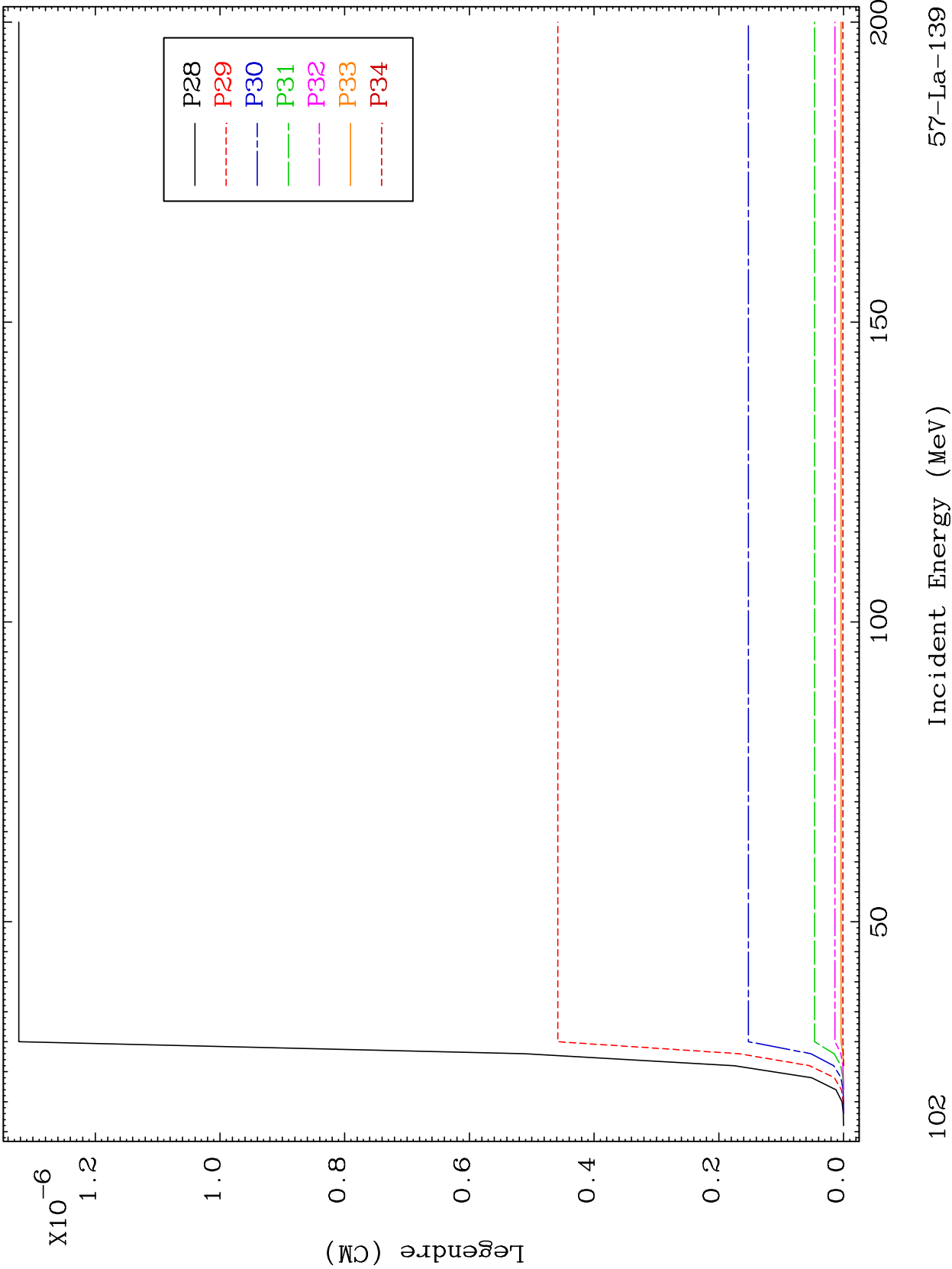
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



102

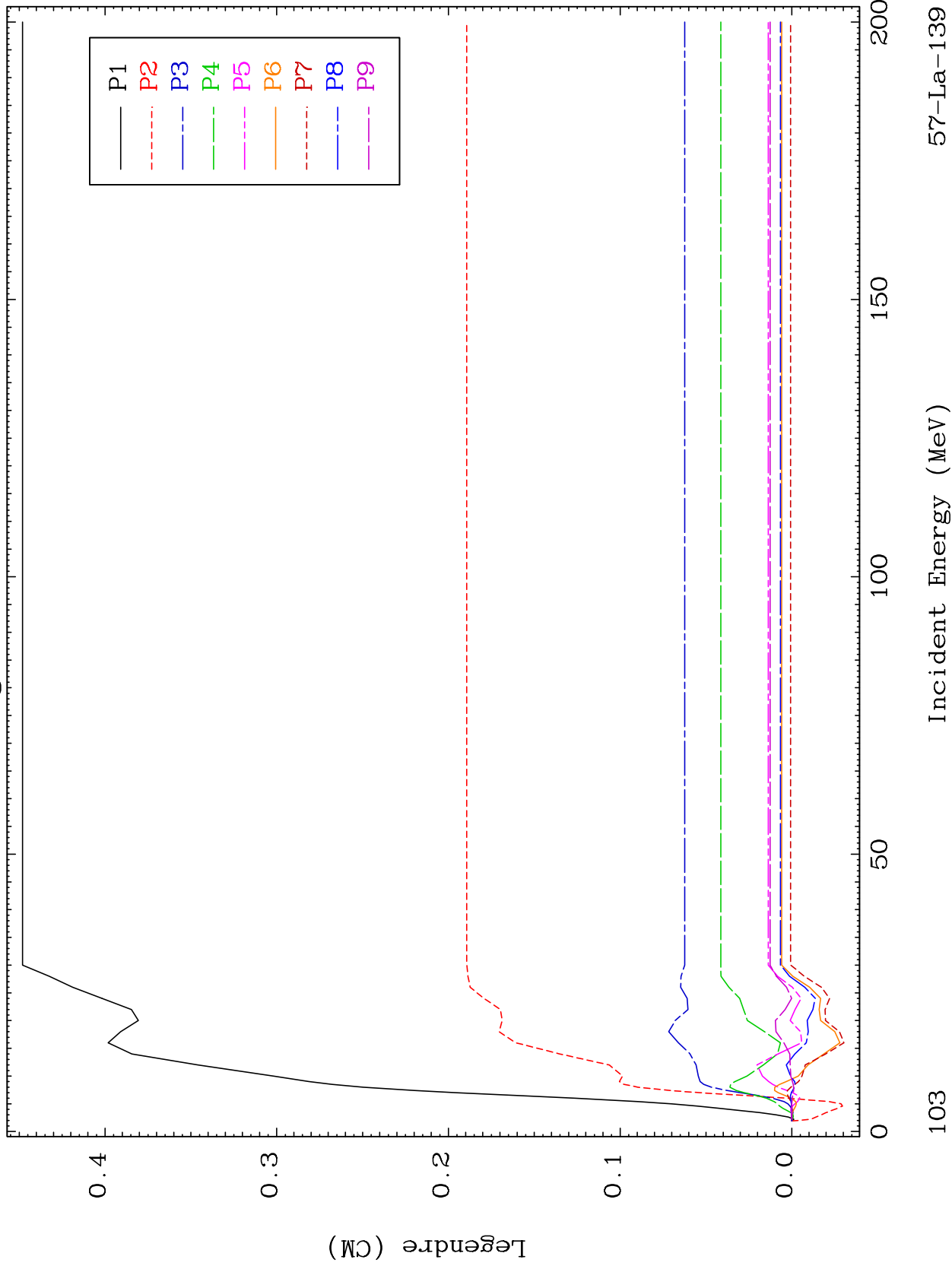
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



57-La-139

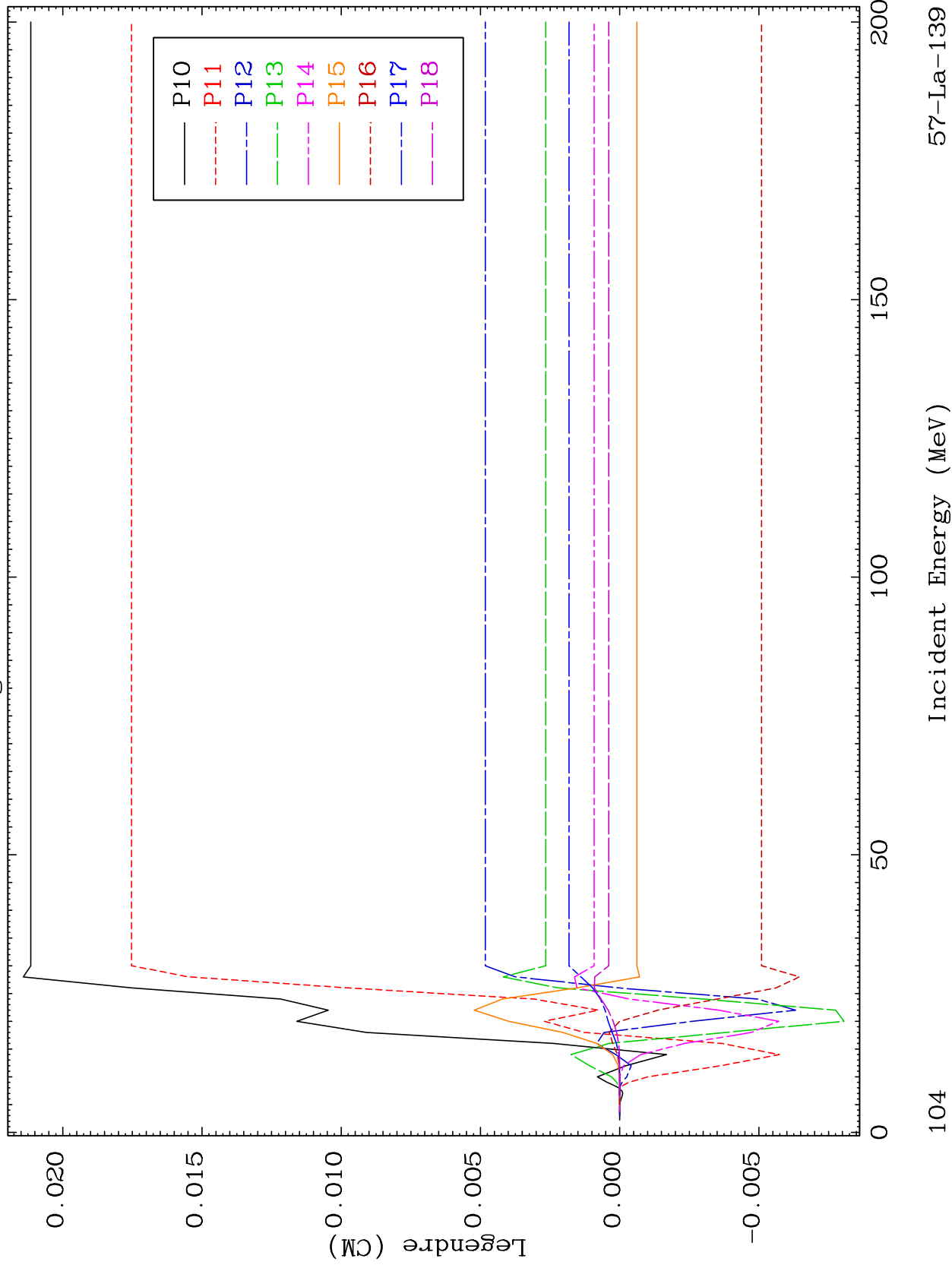
Incident Energy (MeV)

103

MAT 5728

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

57-La-139

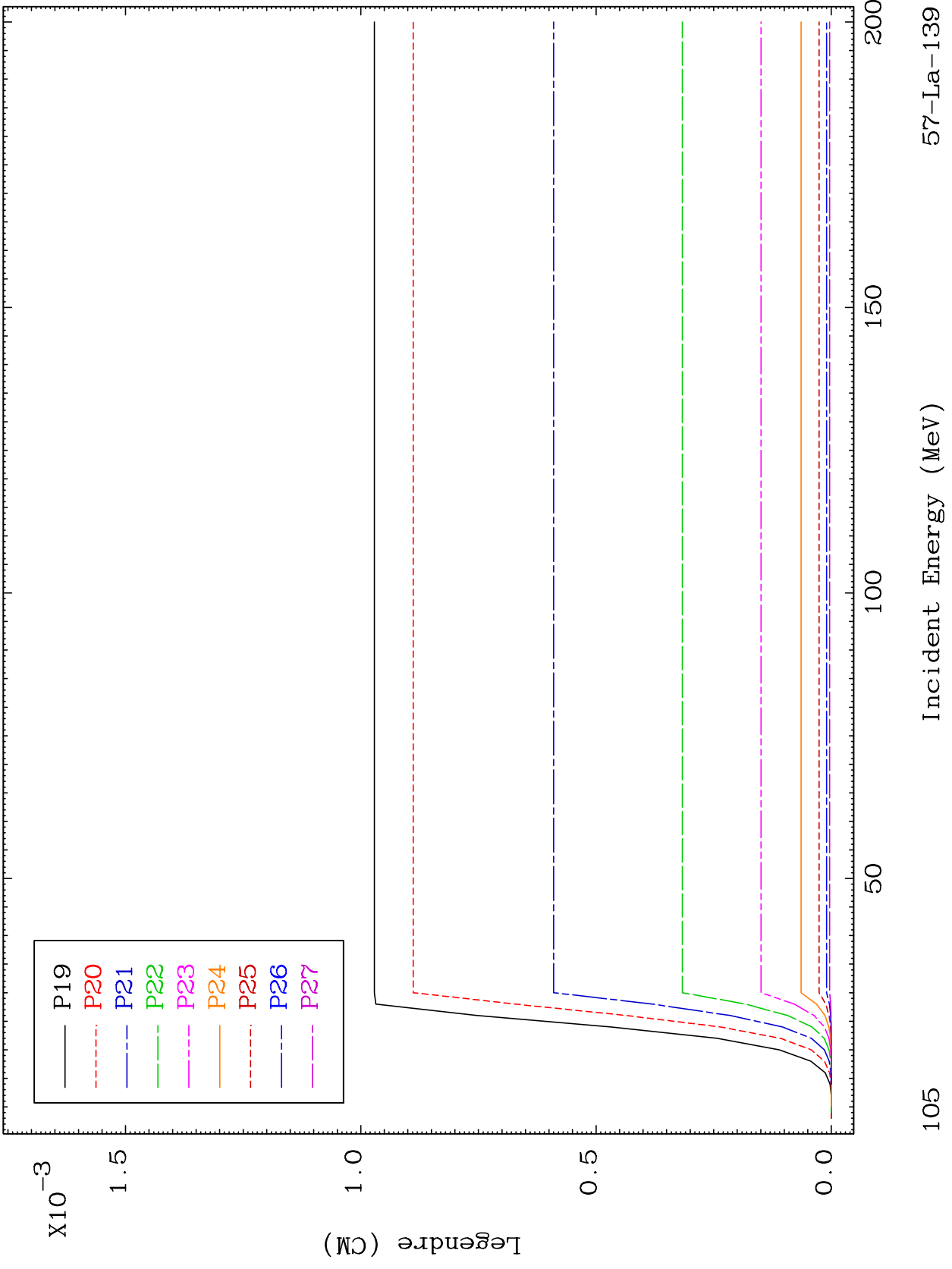


104

MAT 5728

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

57-La-139



105

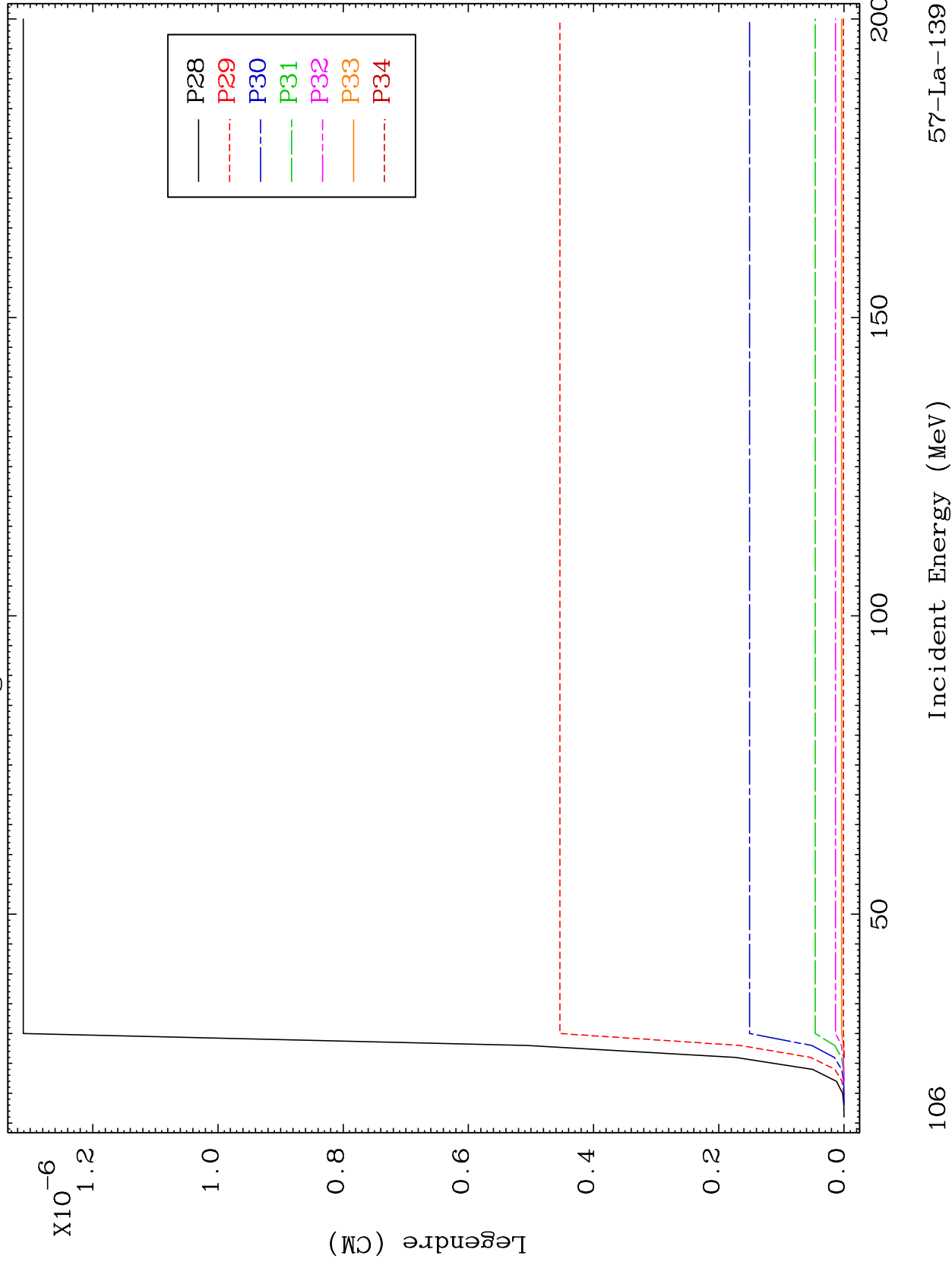
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



57-La-139

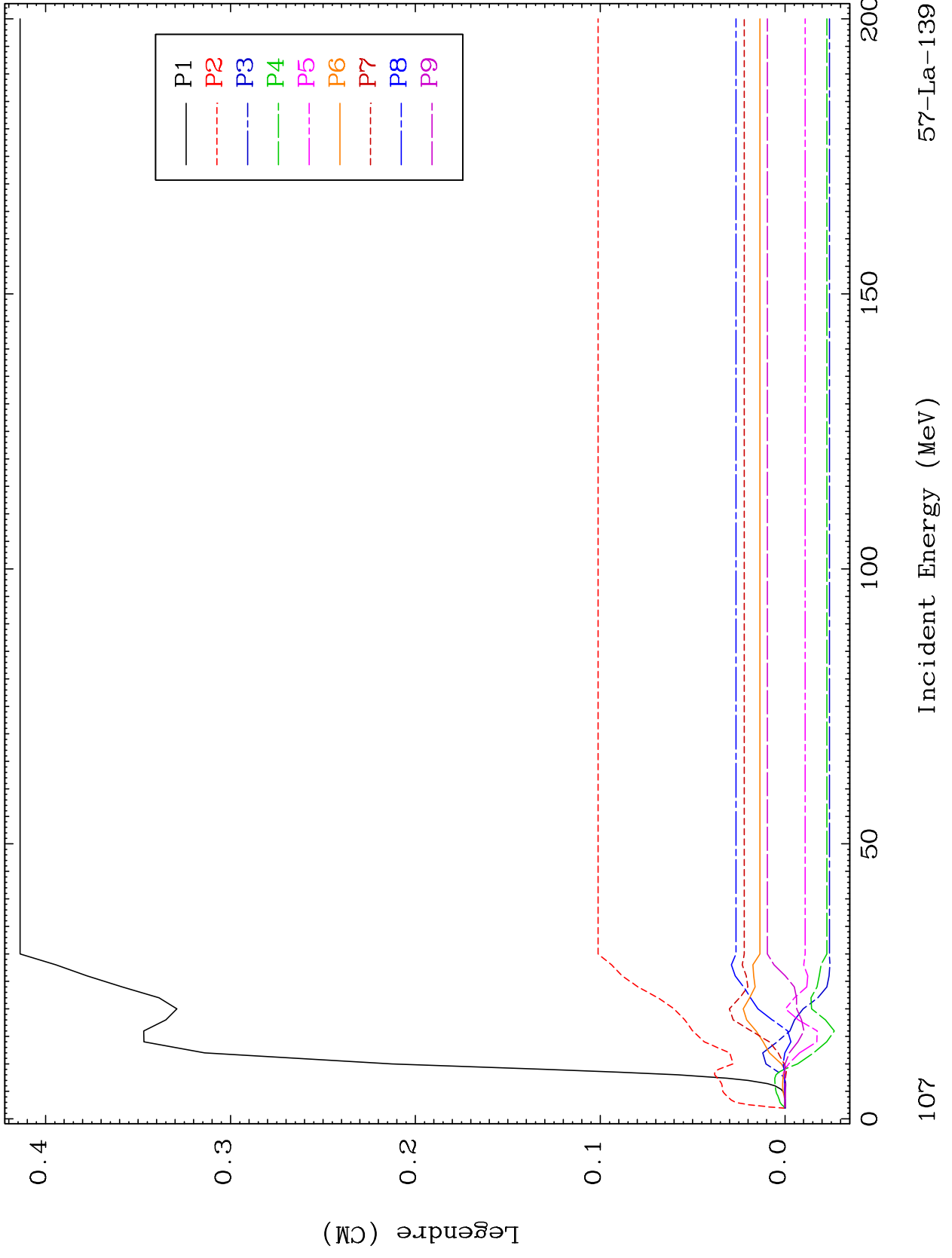
Incident Energy (MeV)

106

MAT 5728

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

57-La-139



57-La-139

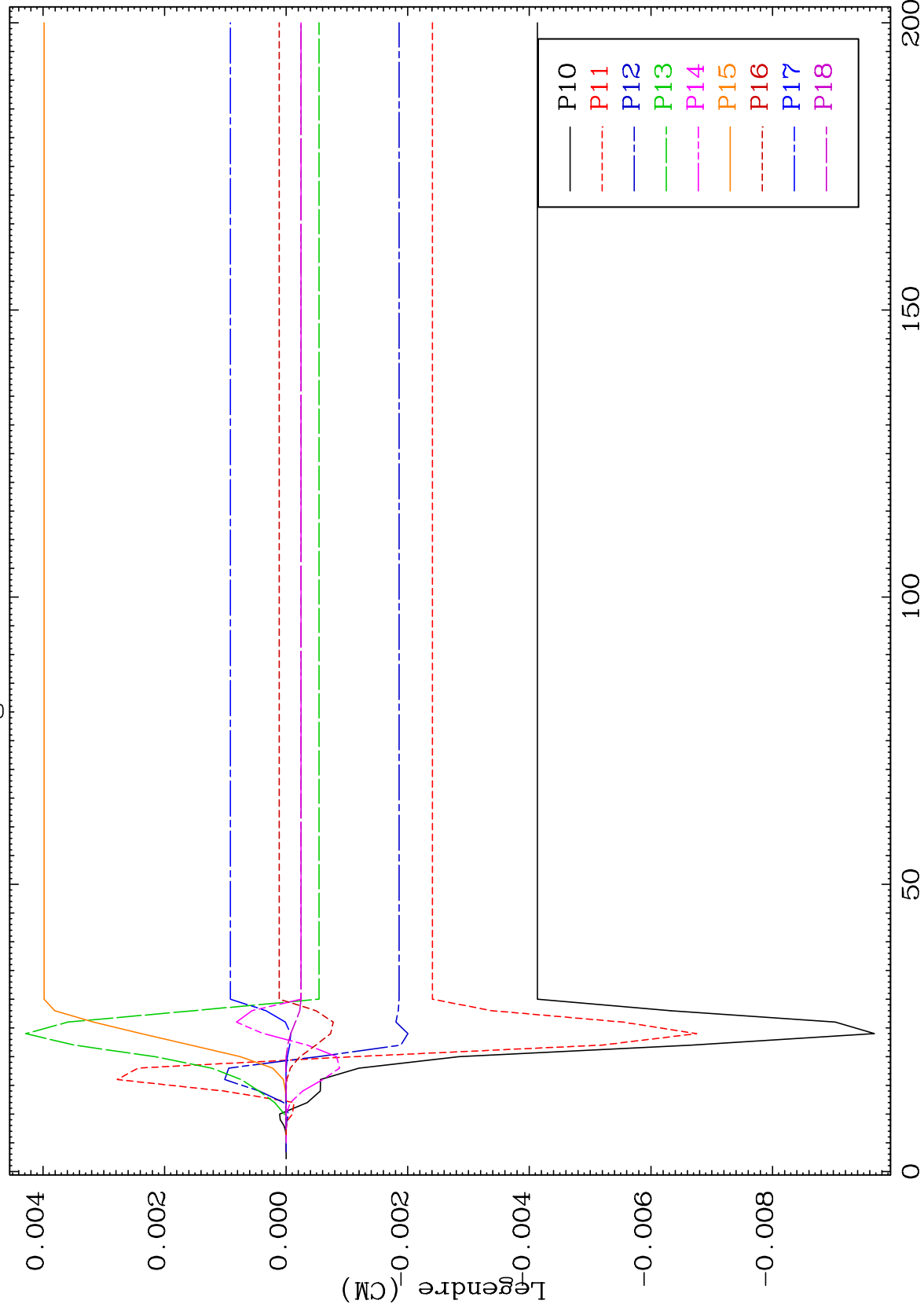
Incident Energy (MeV)

107

MAT 5728

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

57-La-139



108

Incident Energy (MeV)

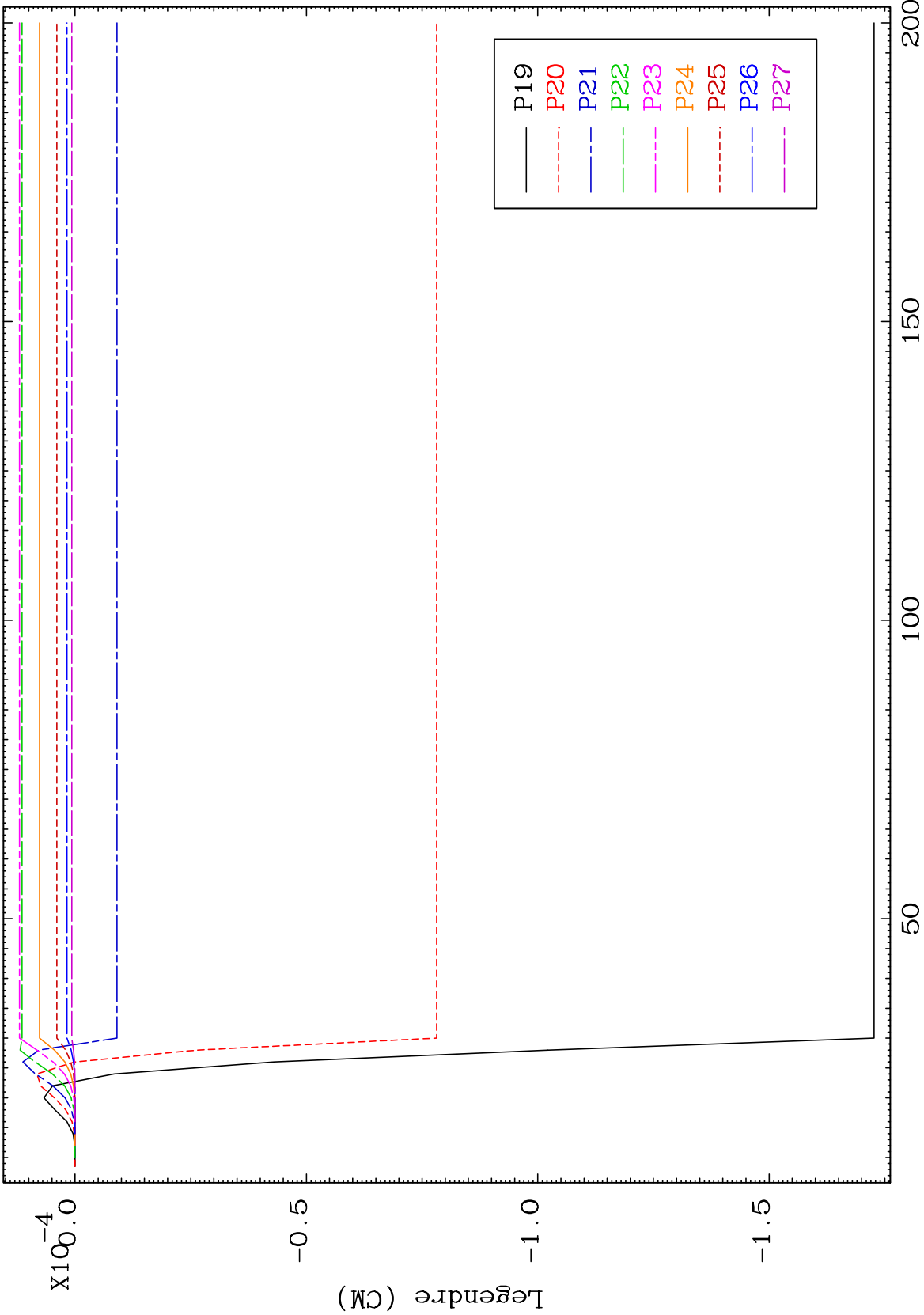
57-La-139

MAT 5728

MT= 73 (n,n') Level

57-La-139

Legendre Coefficients



57-La-139

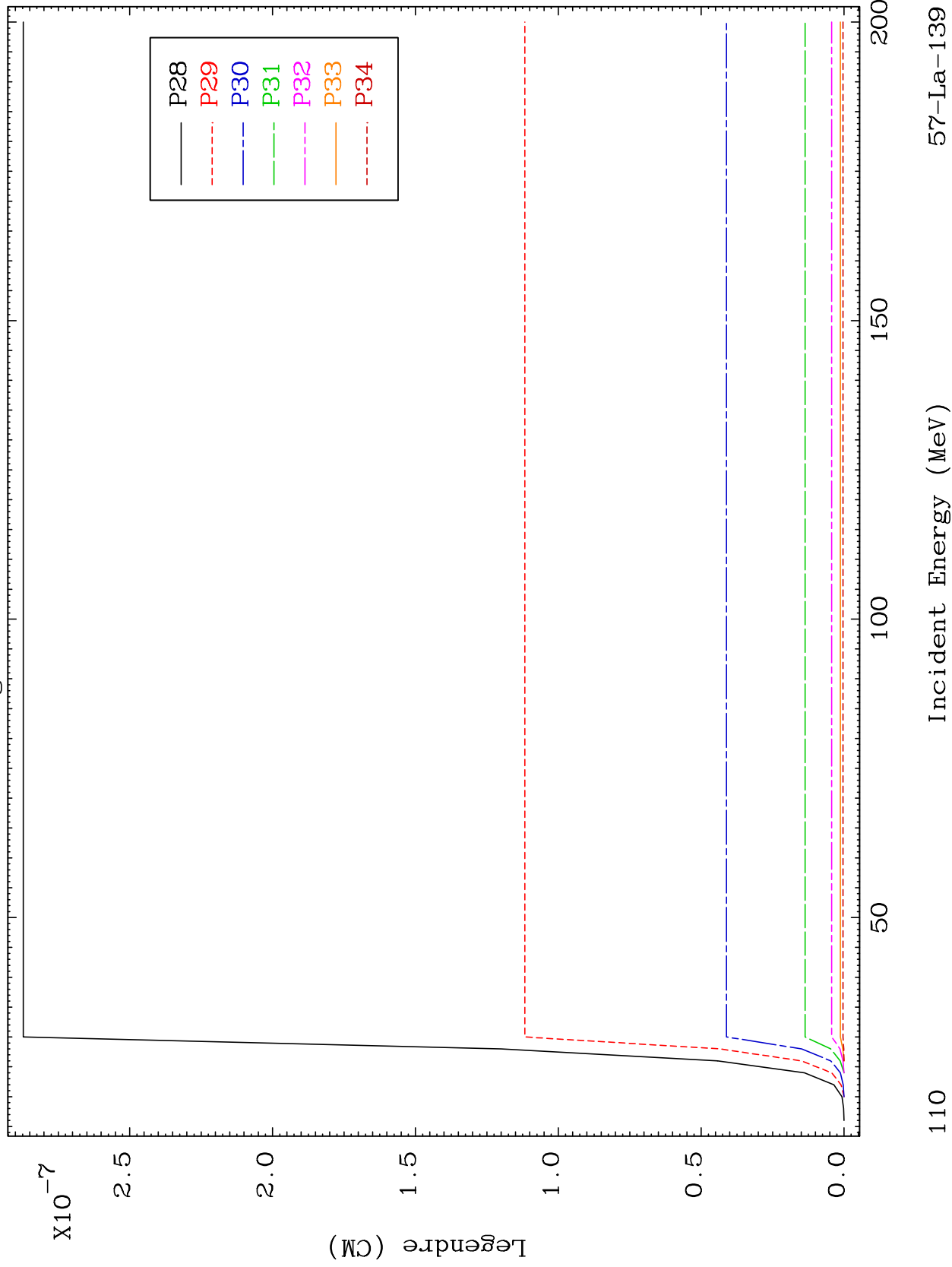
Incident Energy (MeV)

109

MAT 5728

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

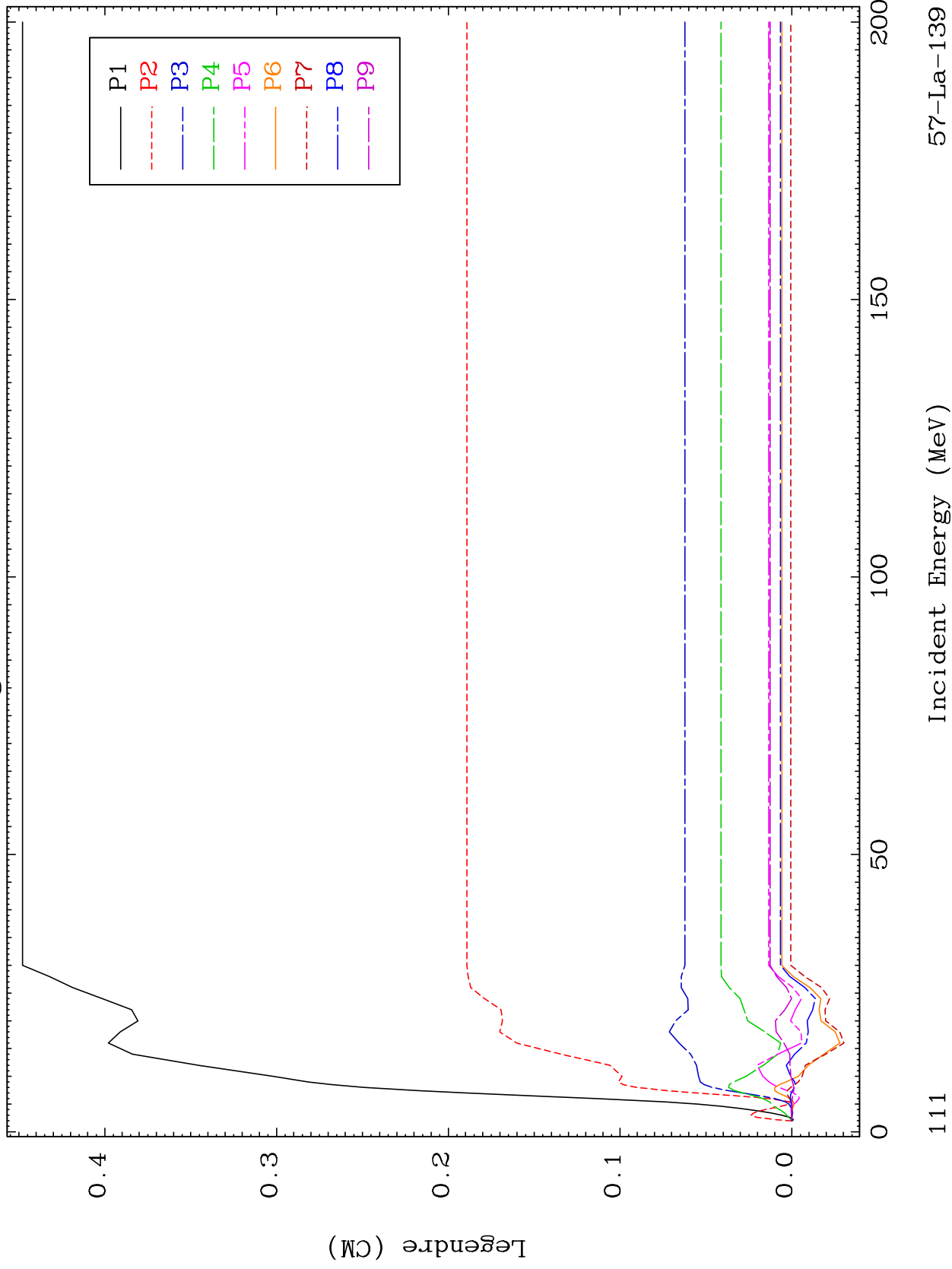
57-La-139



MAT 5728

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

57-La-139



57-La-139

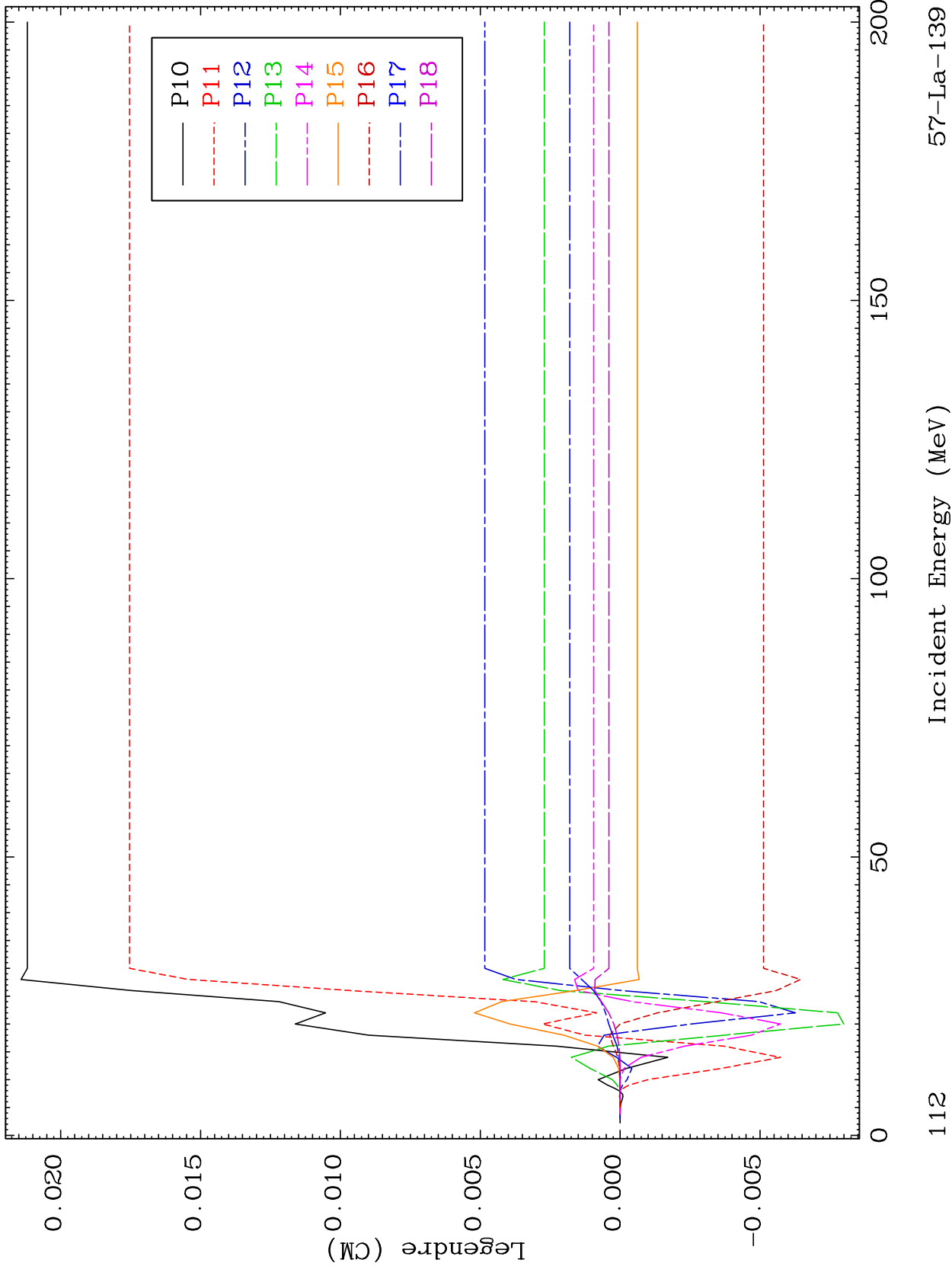
Incident Energy (MeV)

111

MAT 5728

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

57-La-139



57-La-139

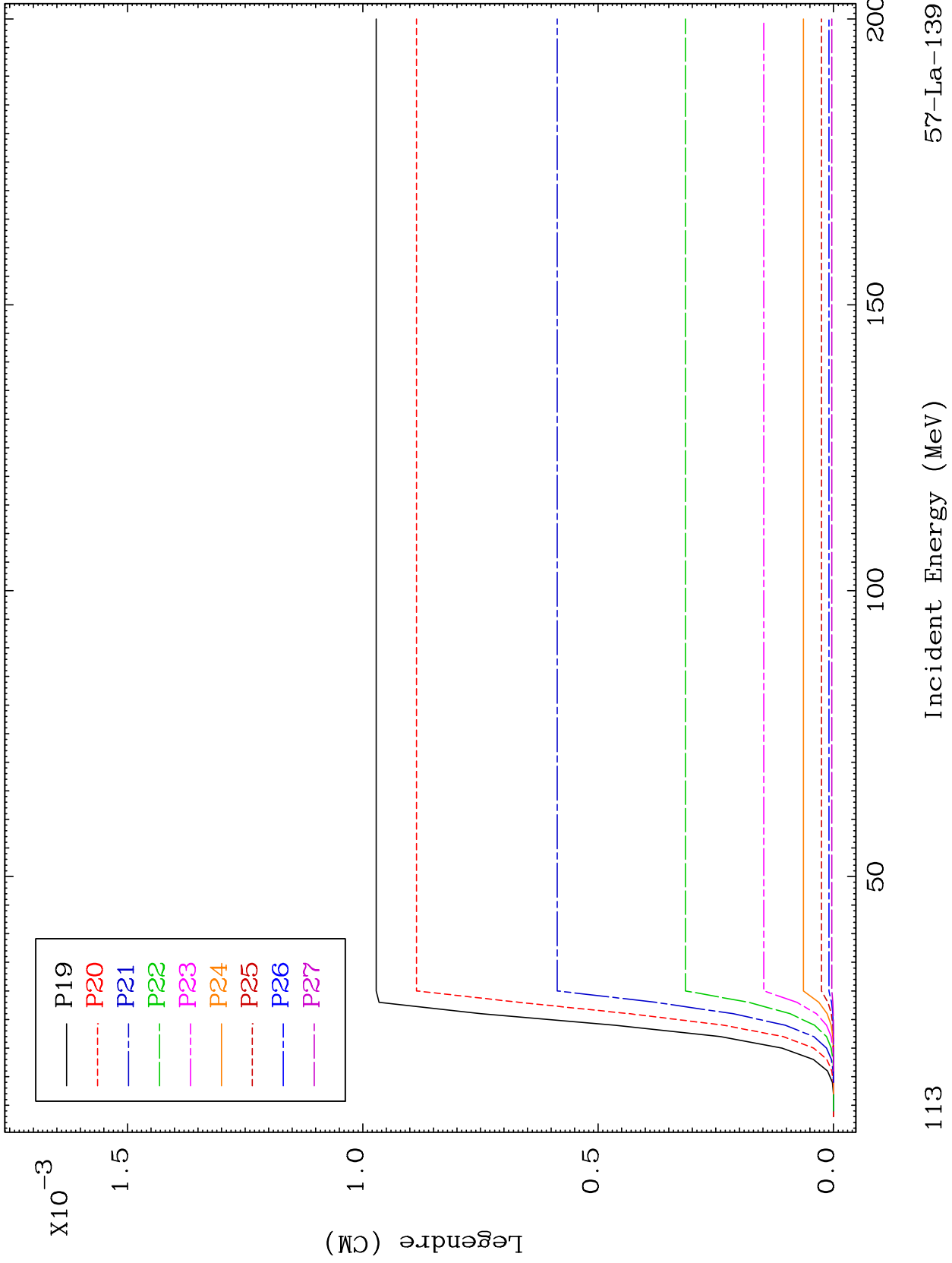
Incident Energy (MeV)

112

MAT 5728

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

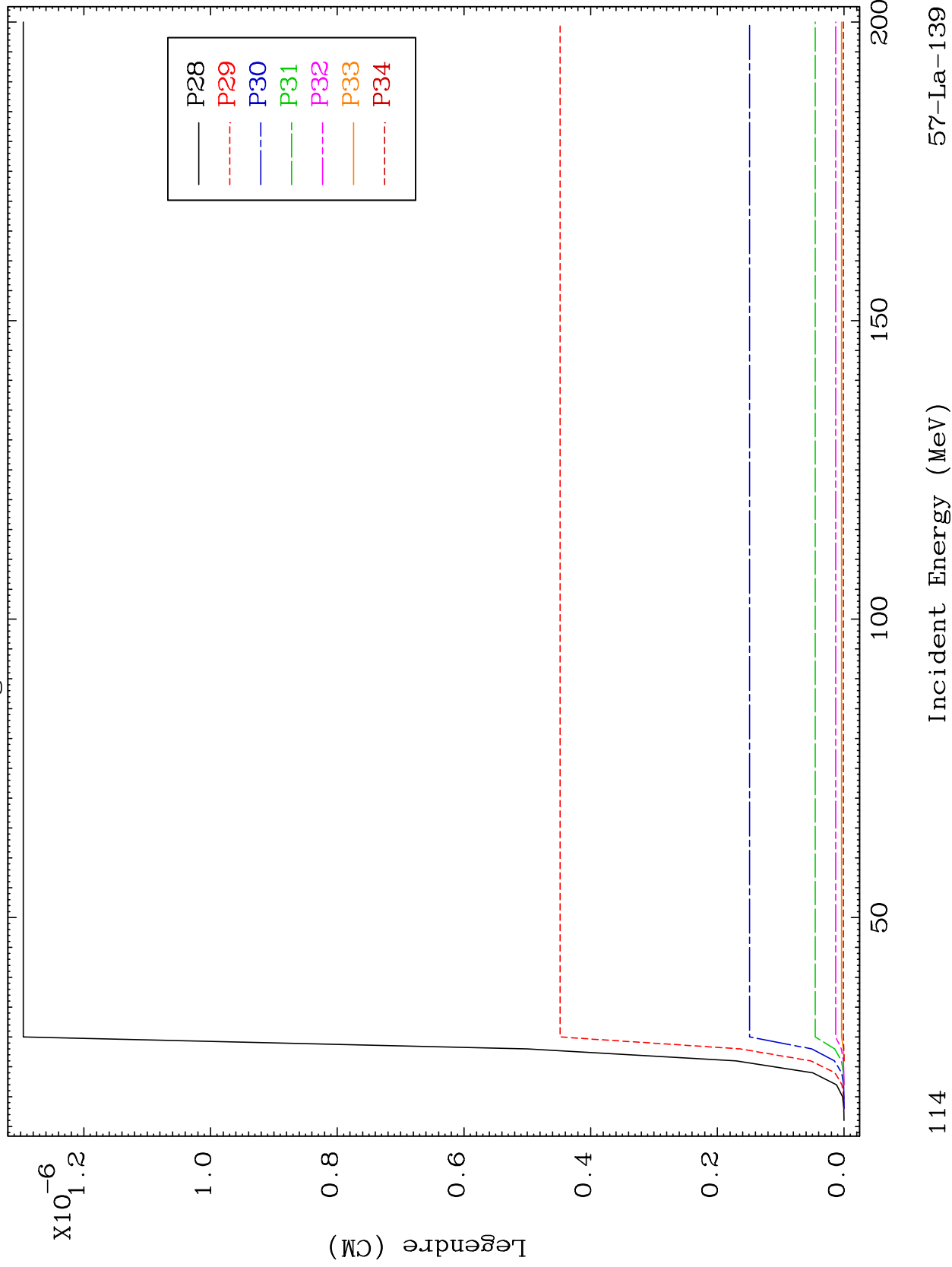
57-La-139



MAT 5728

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

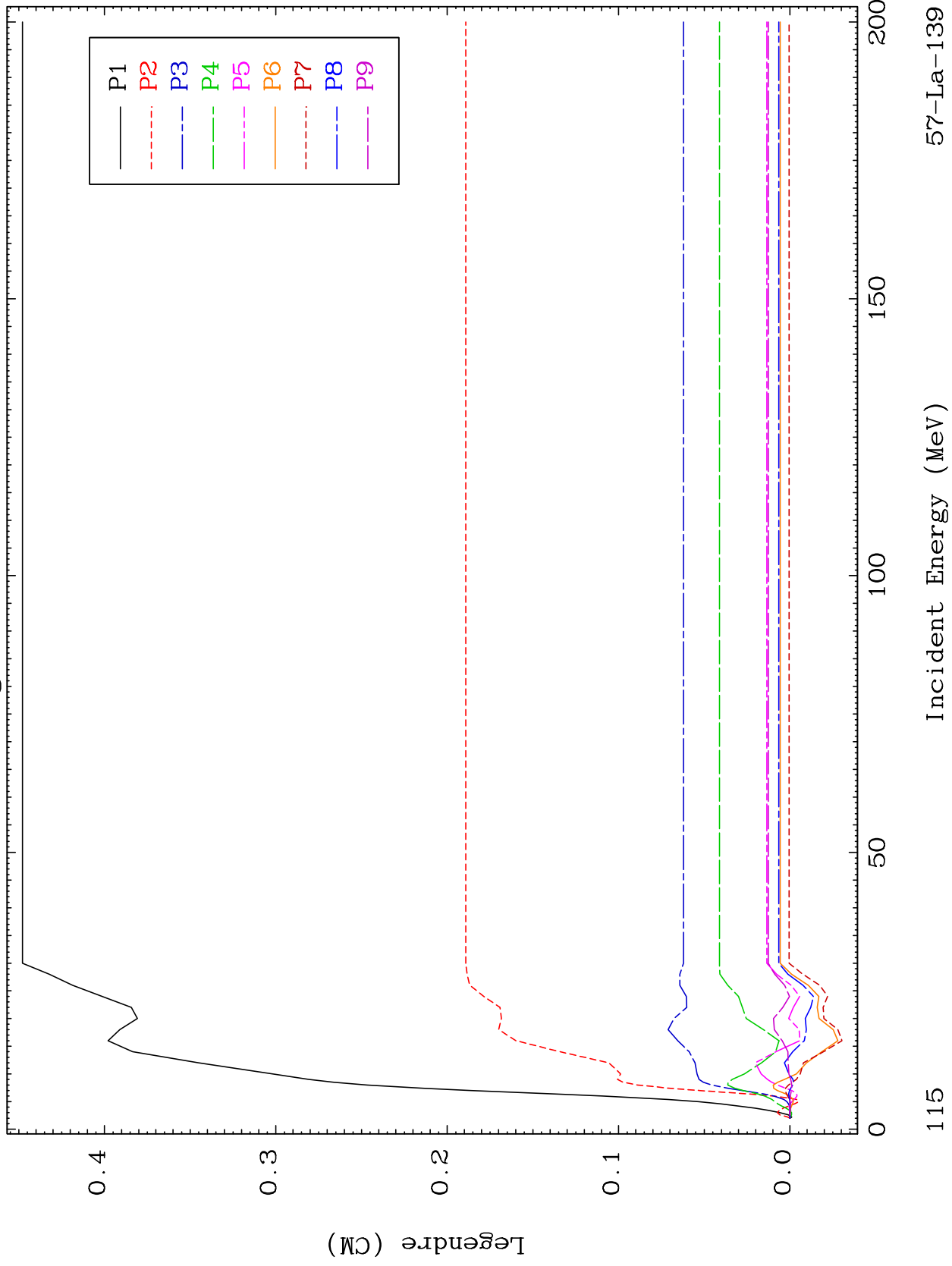
57-La-139



MAT 5728

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

57-La-139



57-La-139

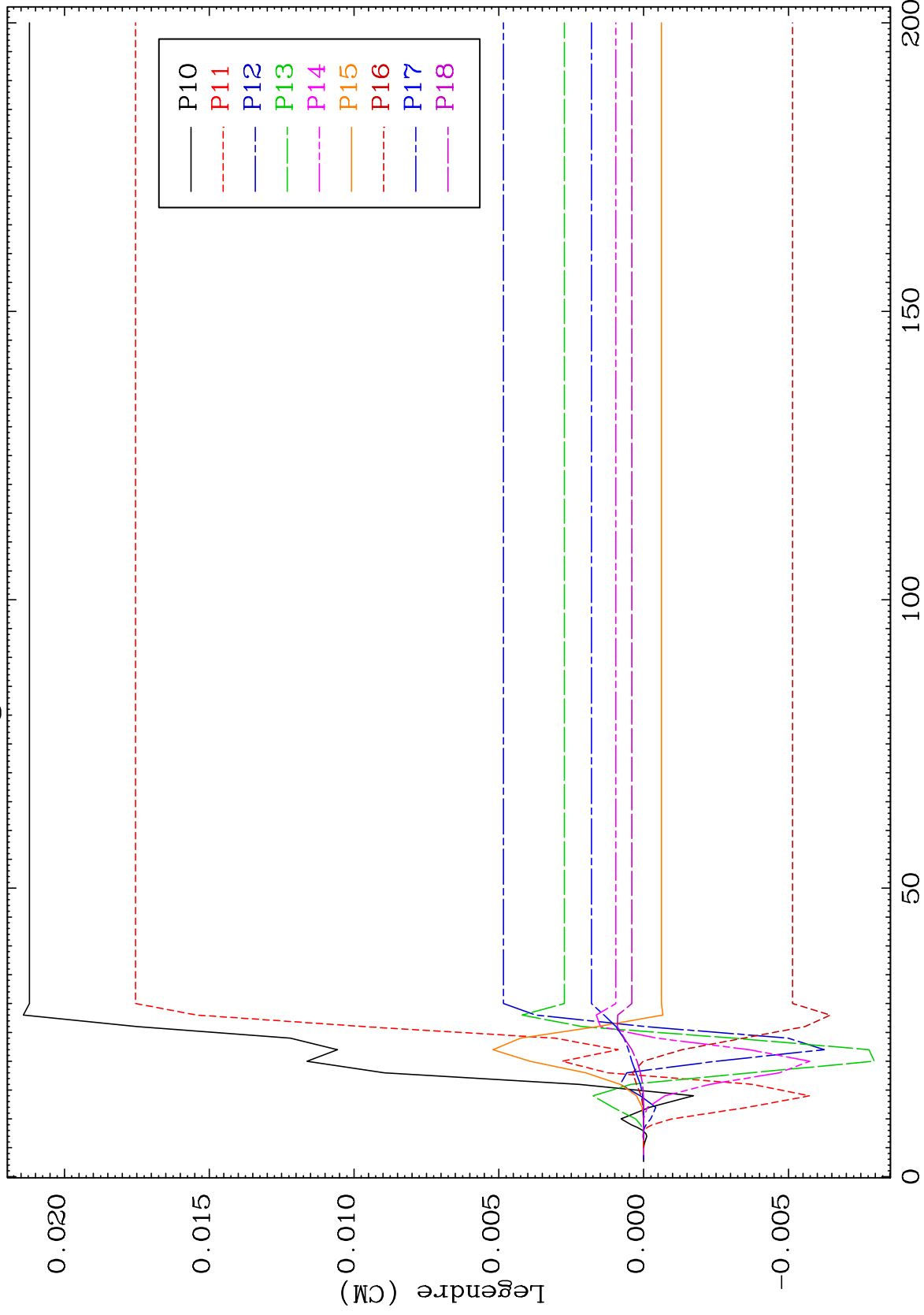
Incident Energy (MeV)

115

MAT 5728

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

57-La-139



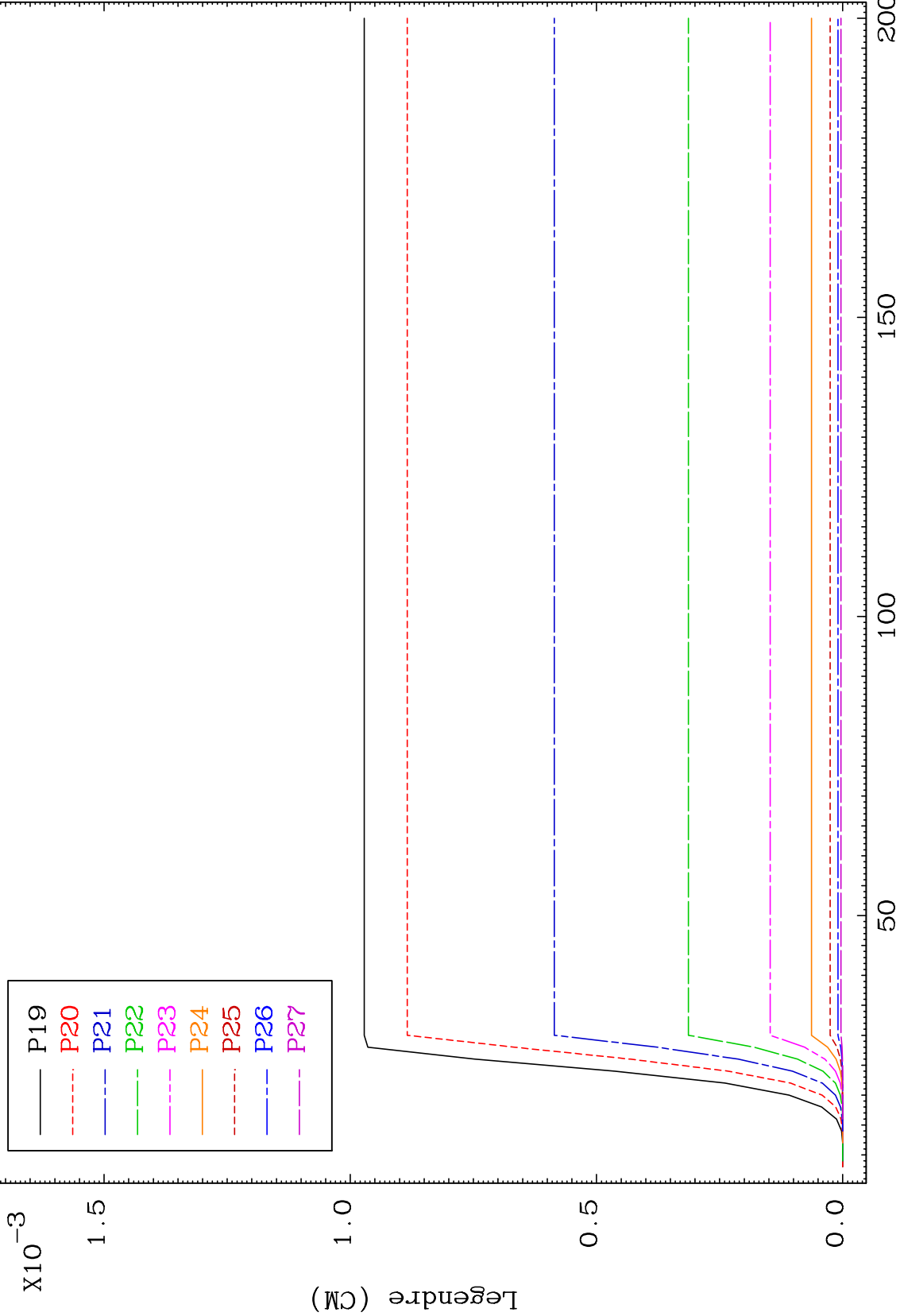
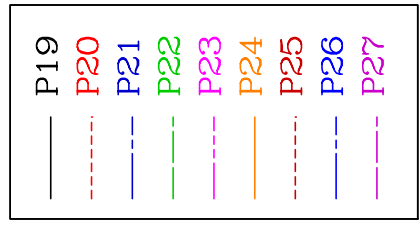
116

57-La-139

MAT 5728

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

57-La-139



117

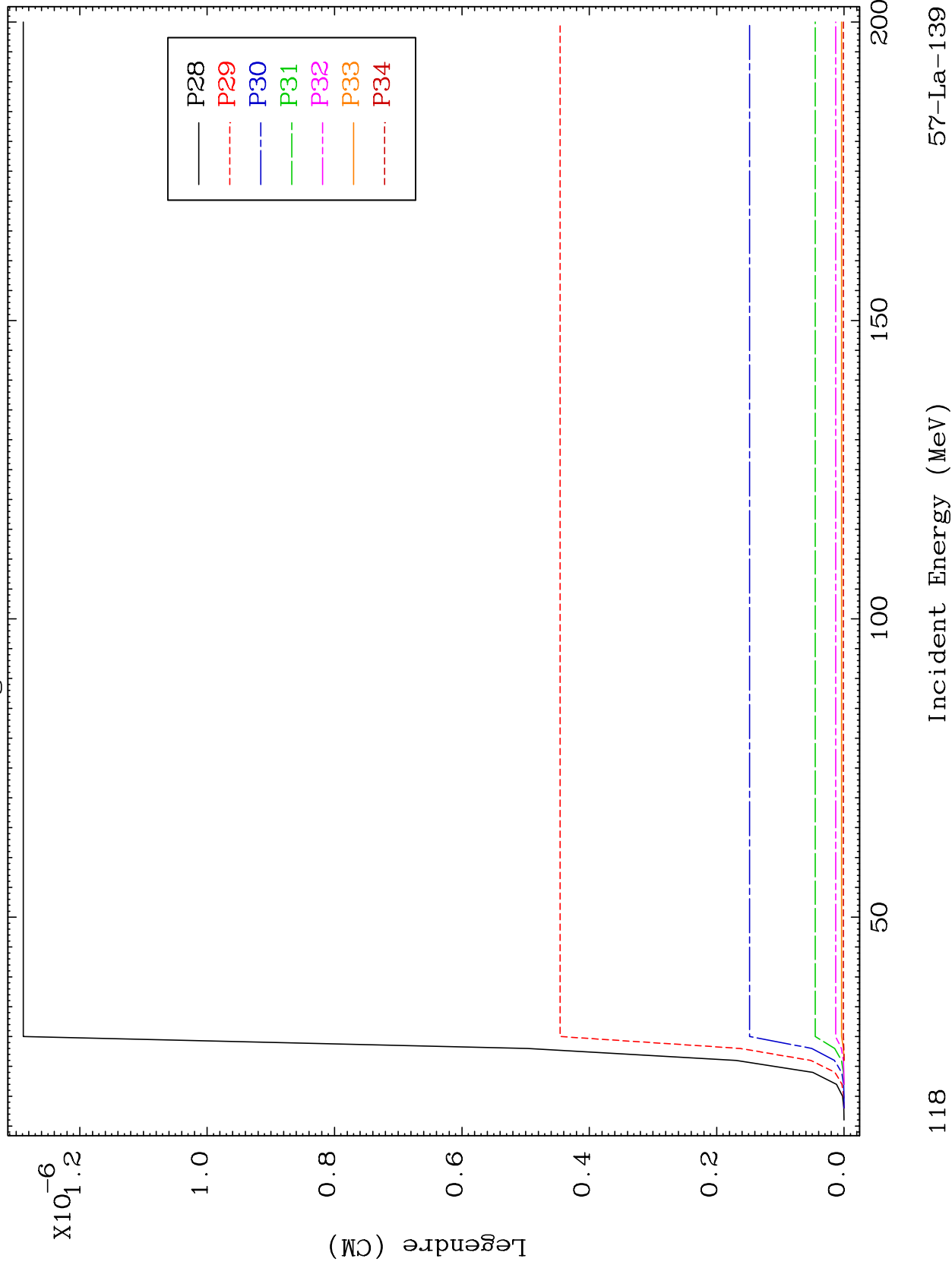
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



57-La-139

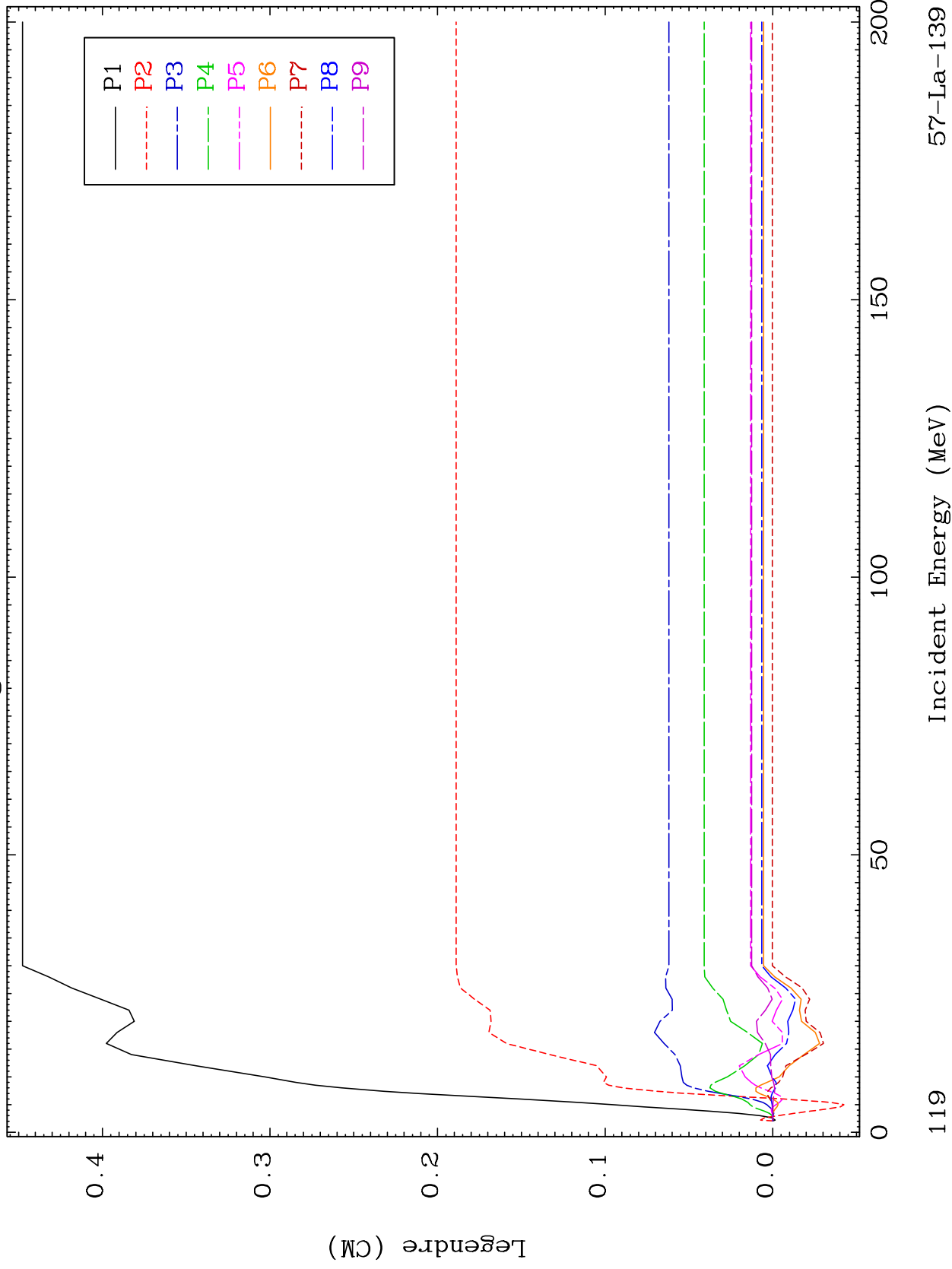
Incident Energy (MeV)

118

MAT 5728

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

57-La-139



57-La-139

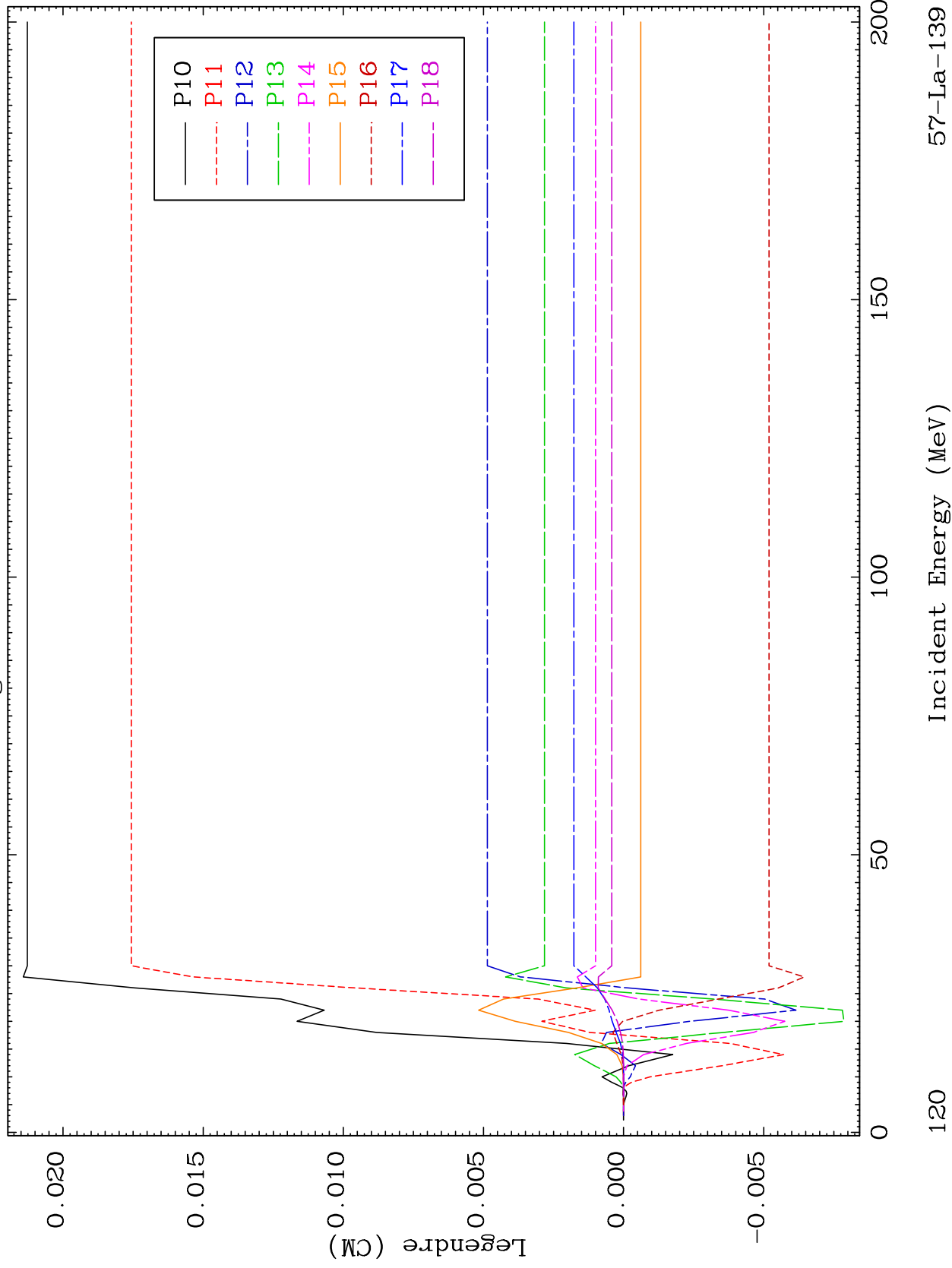
Incident Energy (MeV)

119

MAT 5728

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

57-La-139



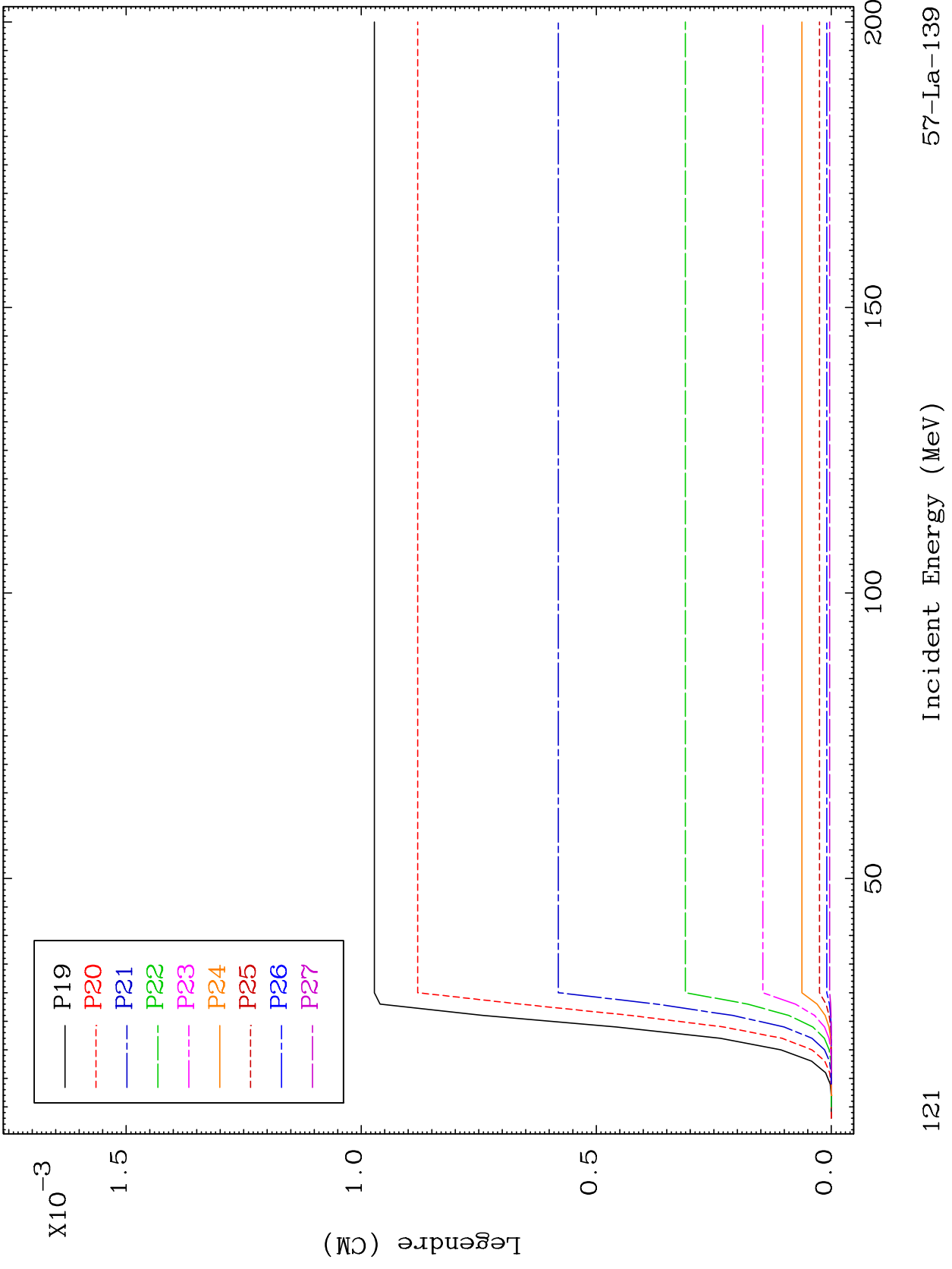
57-La-139

Incident Energy (MeV)

MAT 5728

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

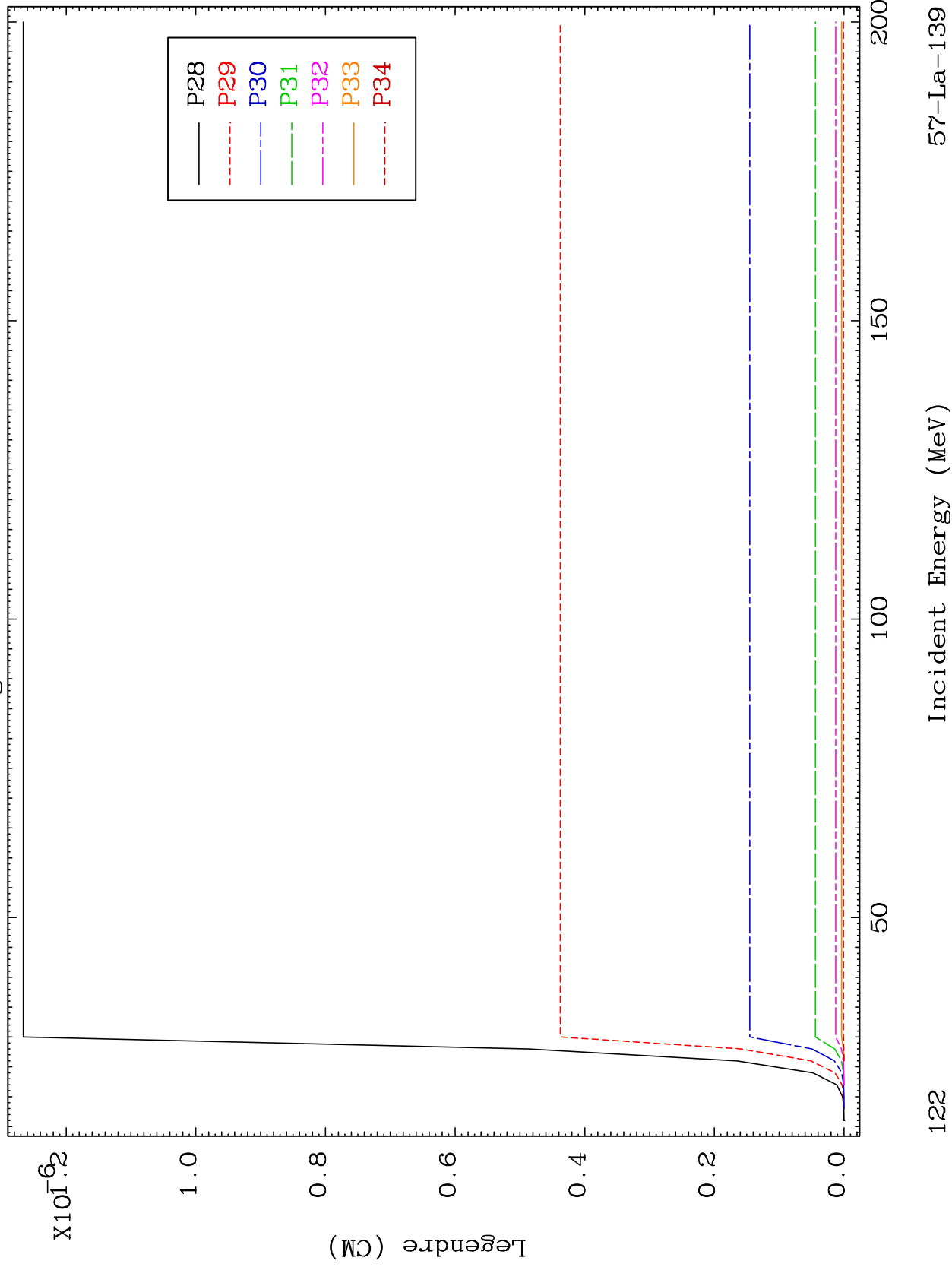
57-La-139



MAT 5728

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

57-La-139

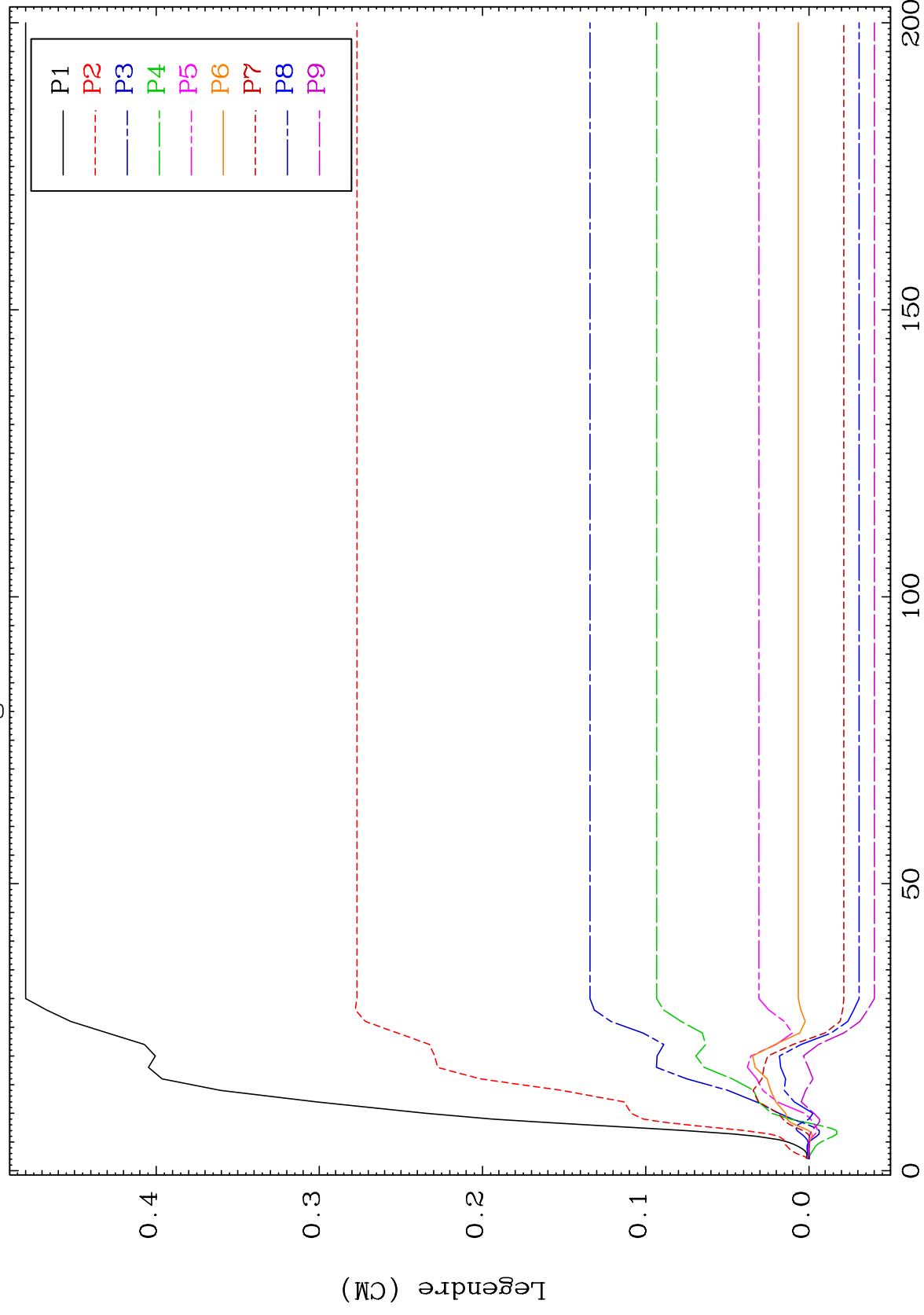


122

MAT 5728

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

57-La-139



57-La-139

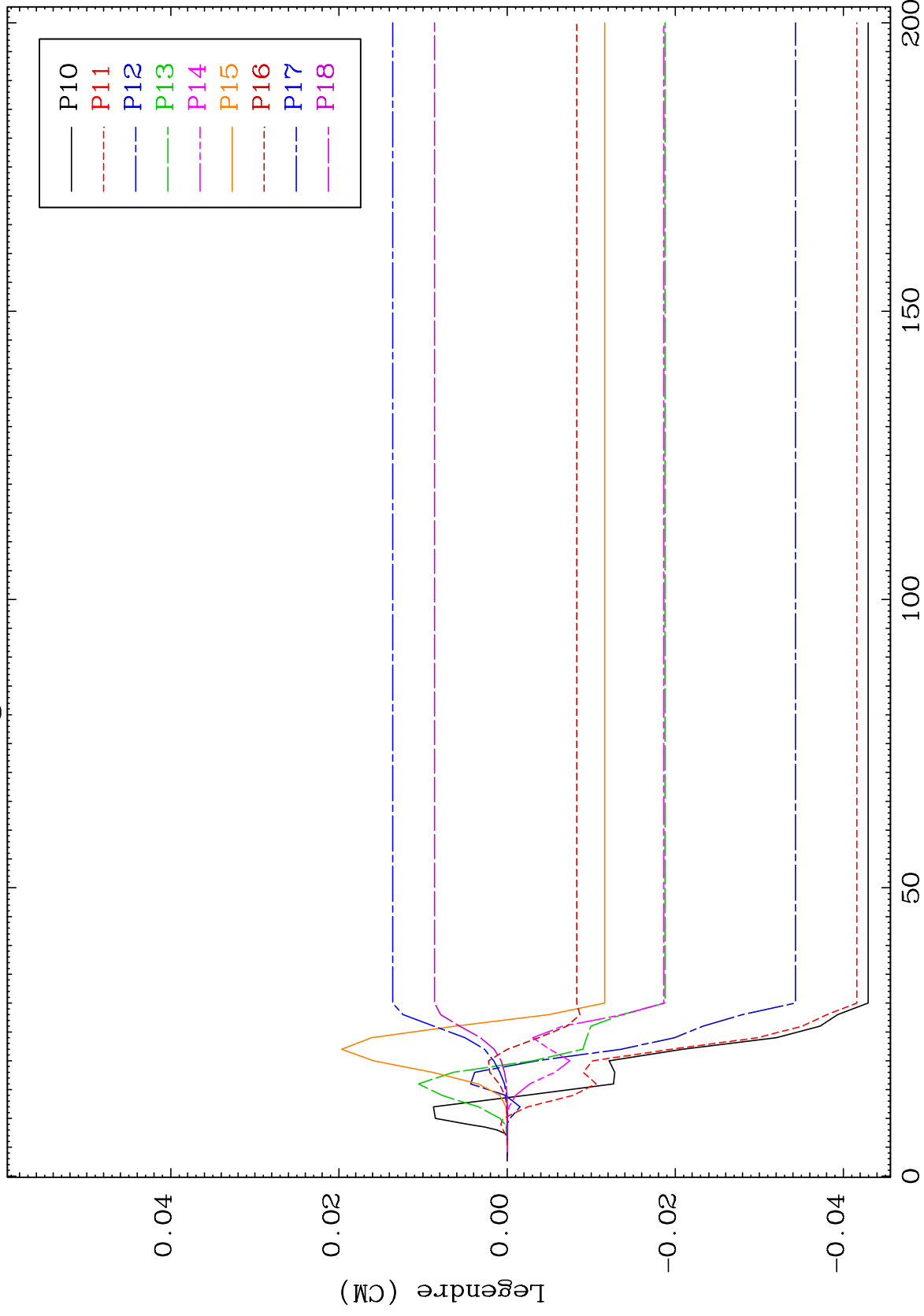
Incident Energy (MeV)

123

MAT 5728

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

57-La-139



124

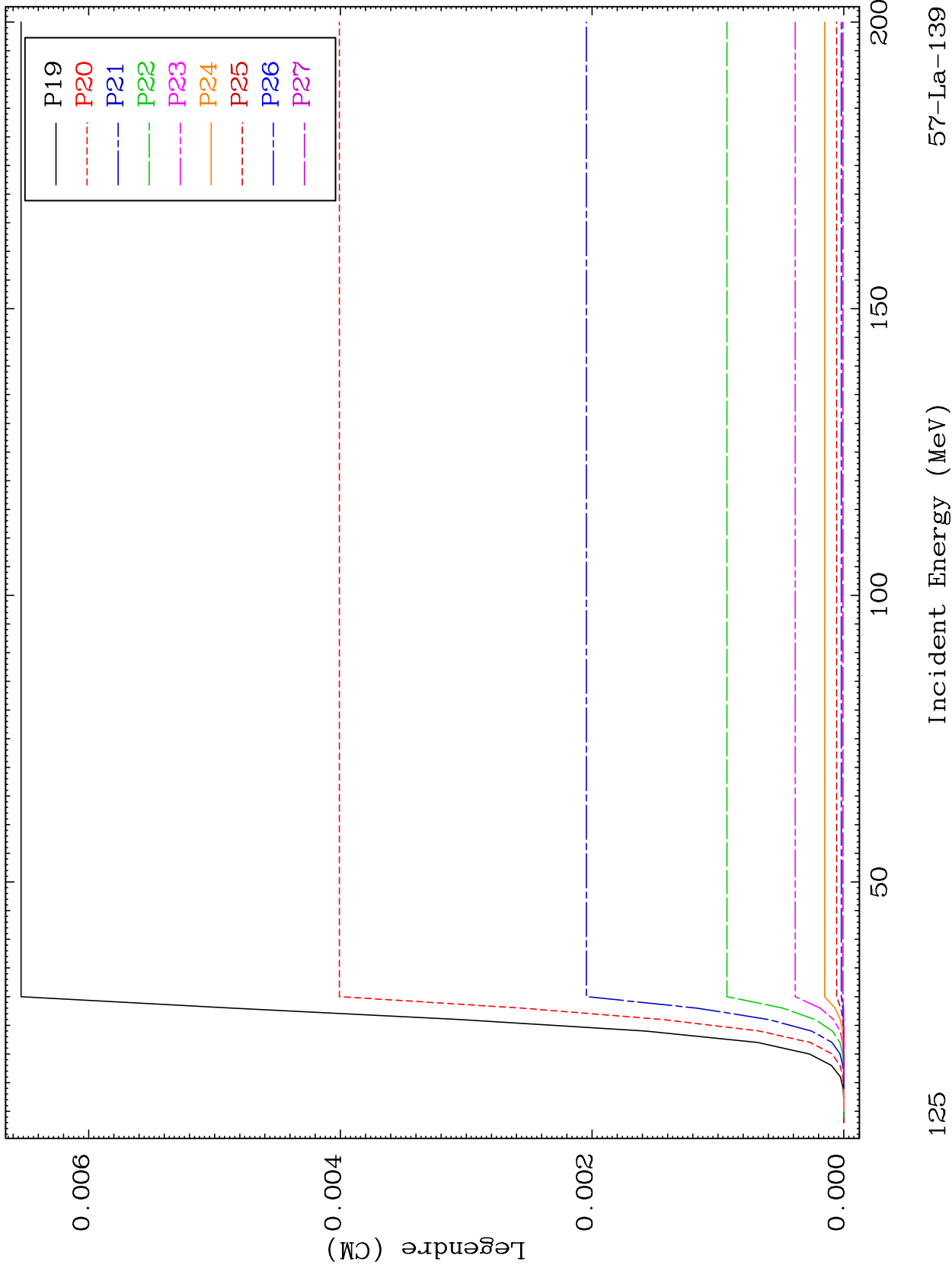
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



125

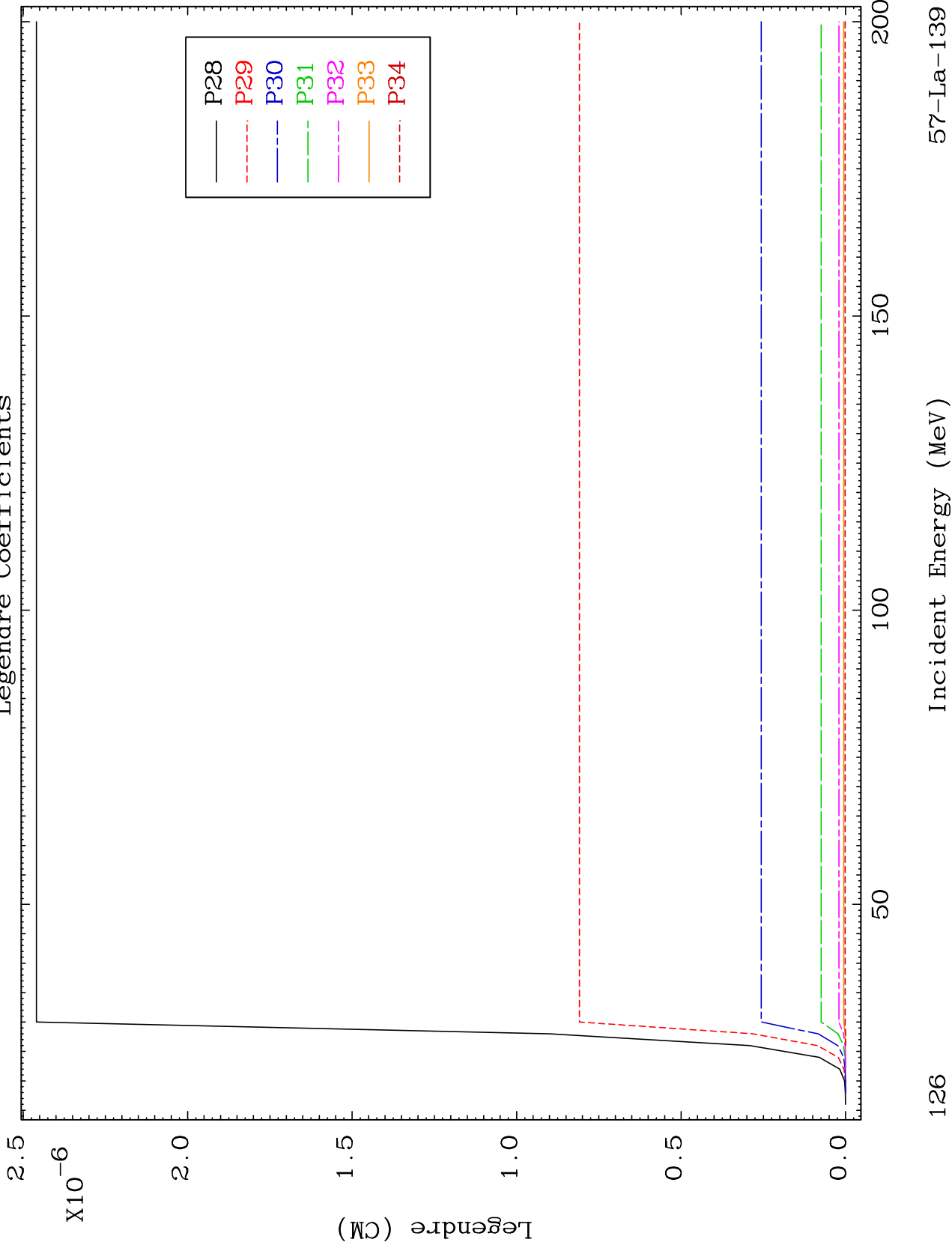
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



126

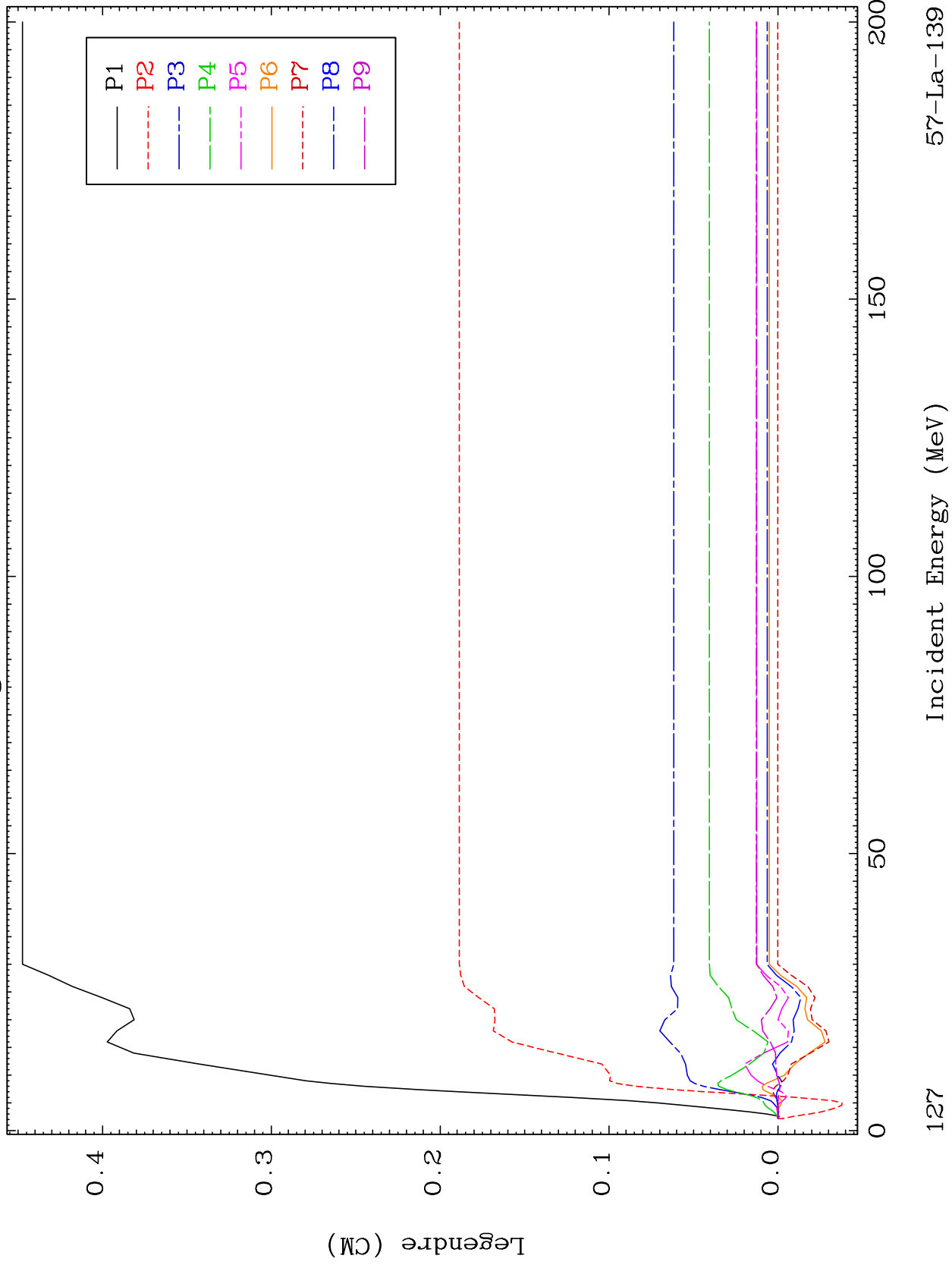
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



57-La-139

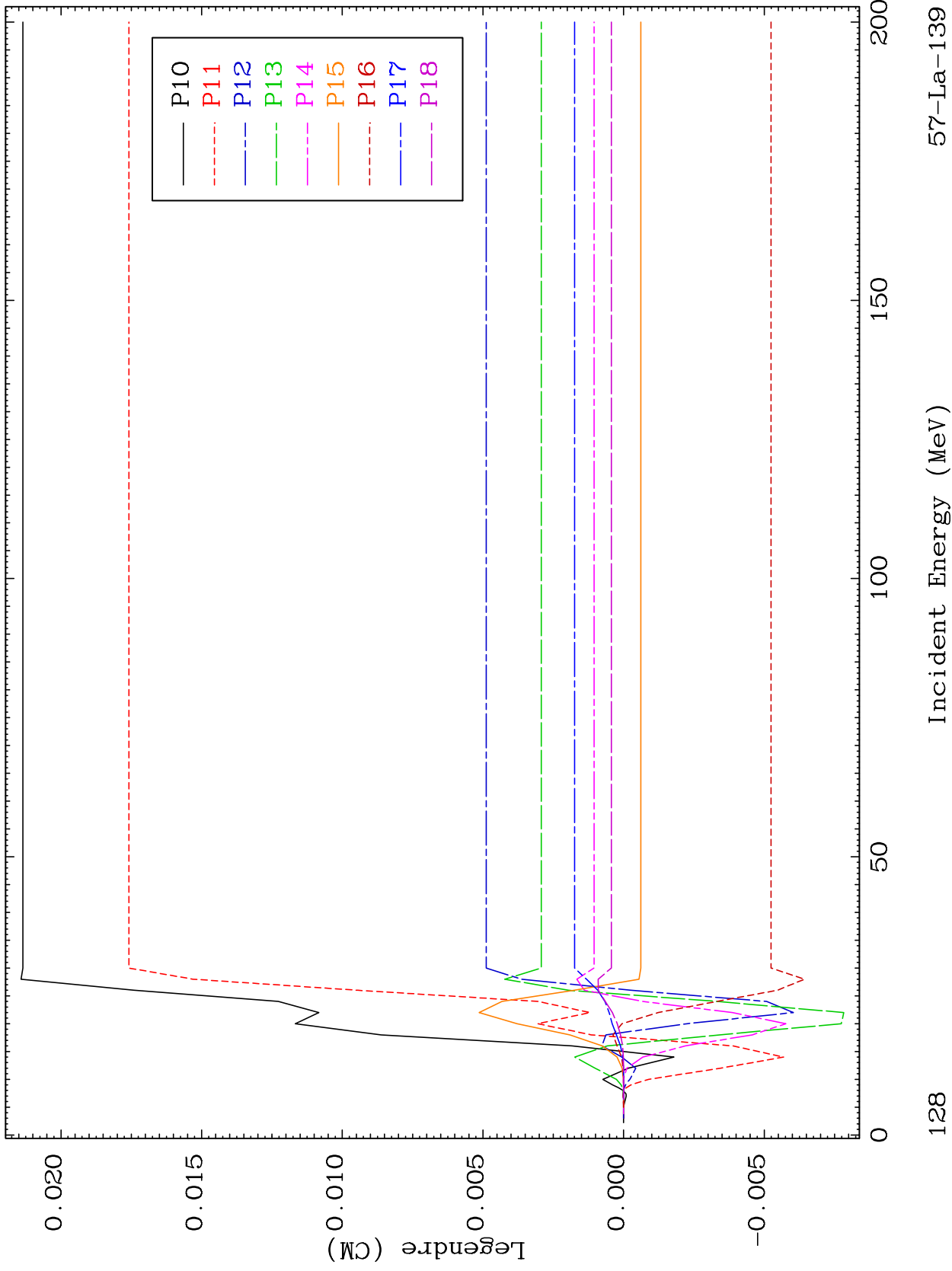
Incident Energy (MeV)

127

MAT 5728

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

57-La-139



57-La-139

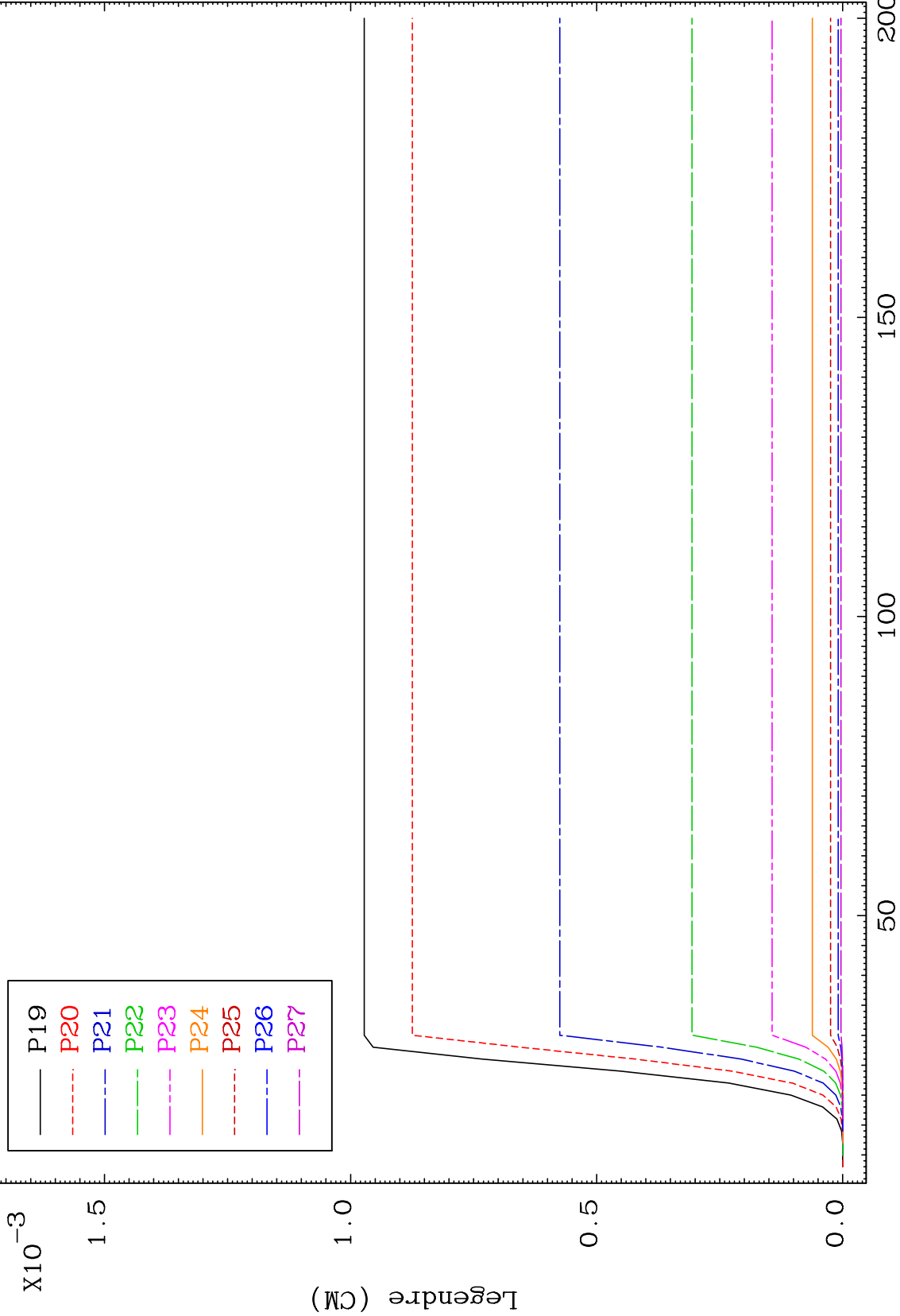
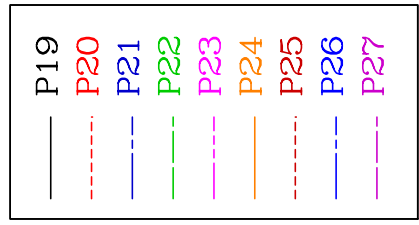
Incident Energy (MeV)

128

MAT 5728

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

57-La-139



129

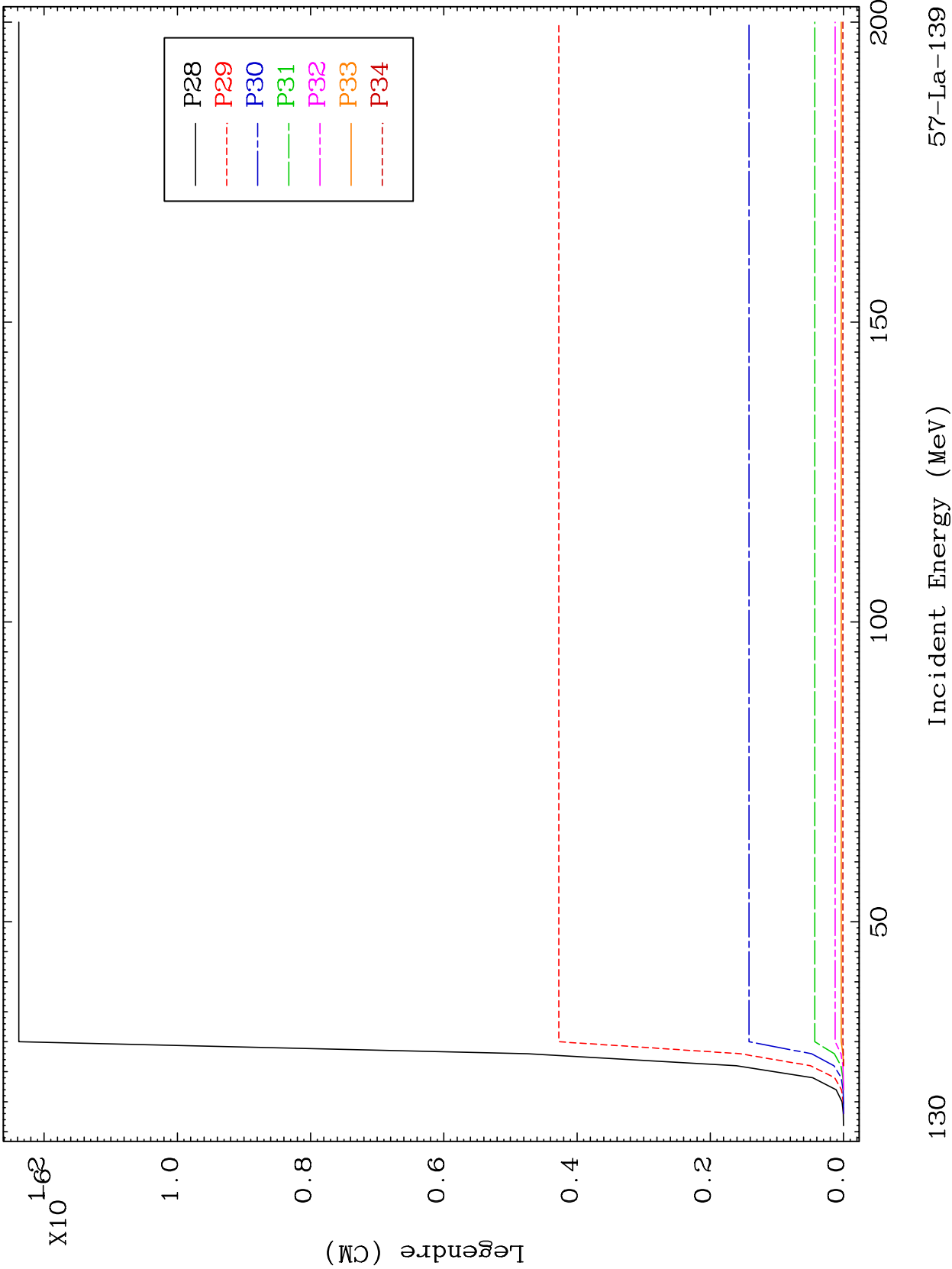
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



57-La-139

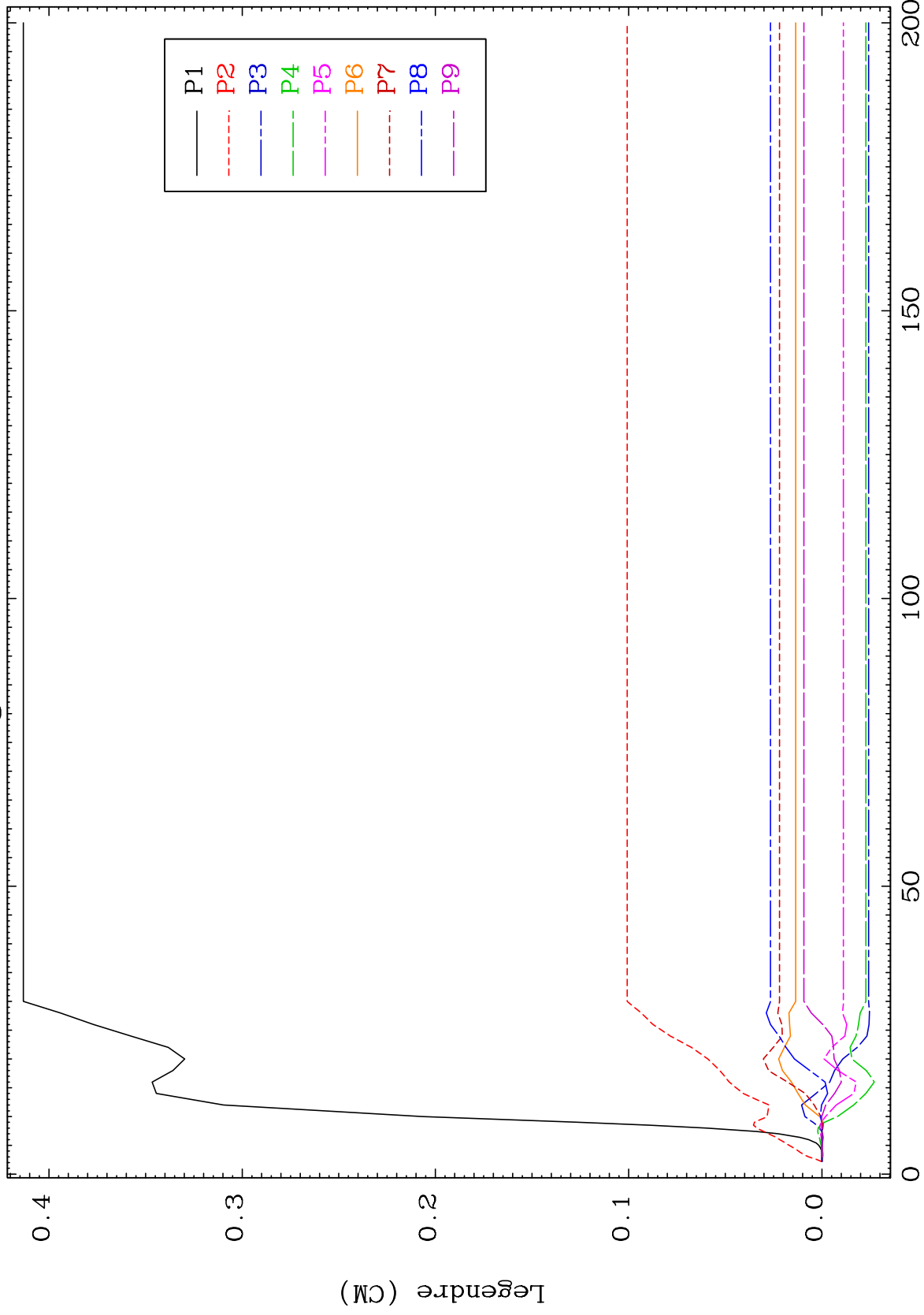
Incident Energy (MeV)

130

MAT 5728

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

57-La-139



131

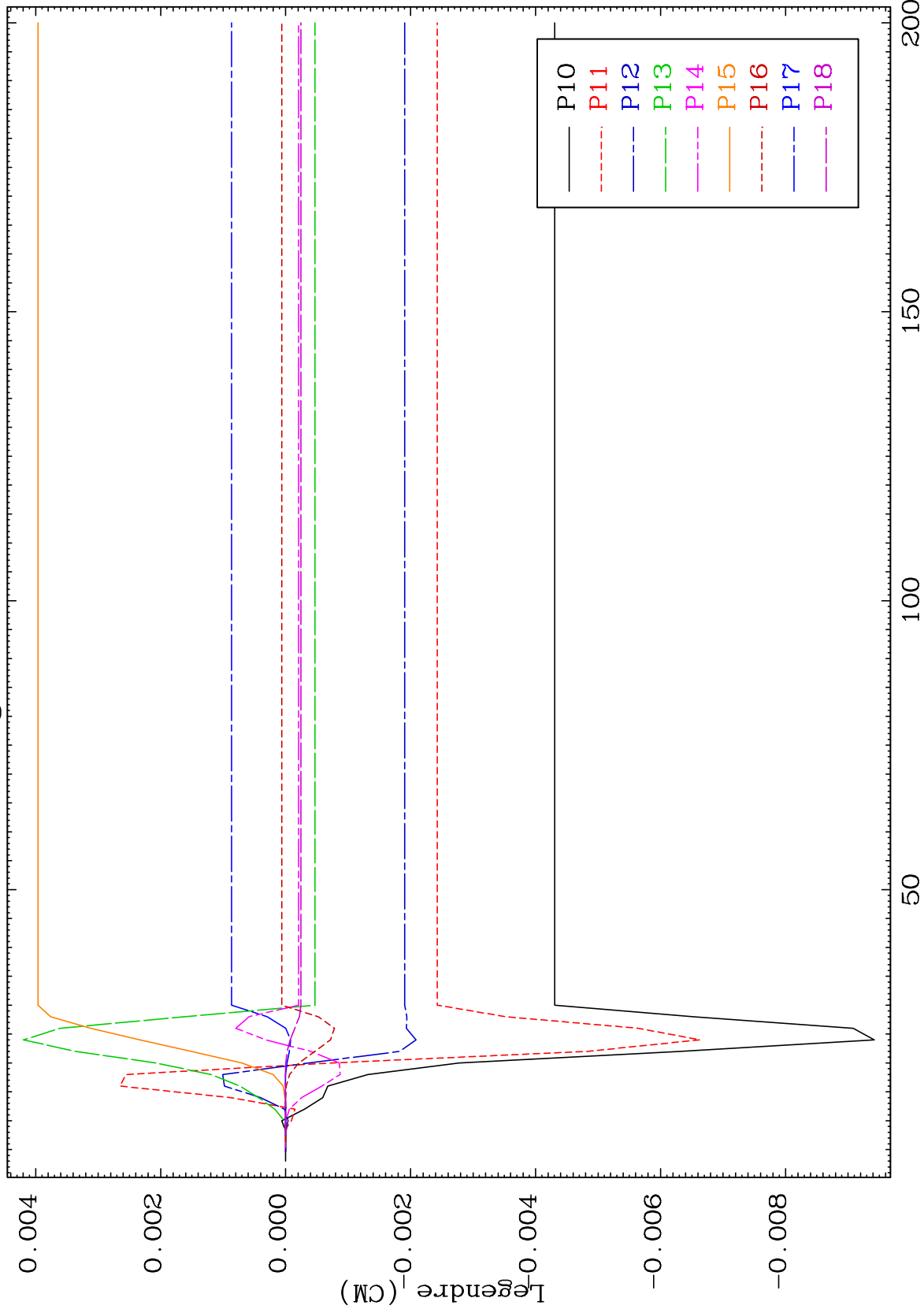
Incident Energy (MeV)

57-La-139

MAT 5728

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

57-La-139



132

Incident Energy (MeV)

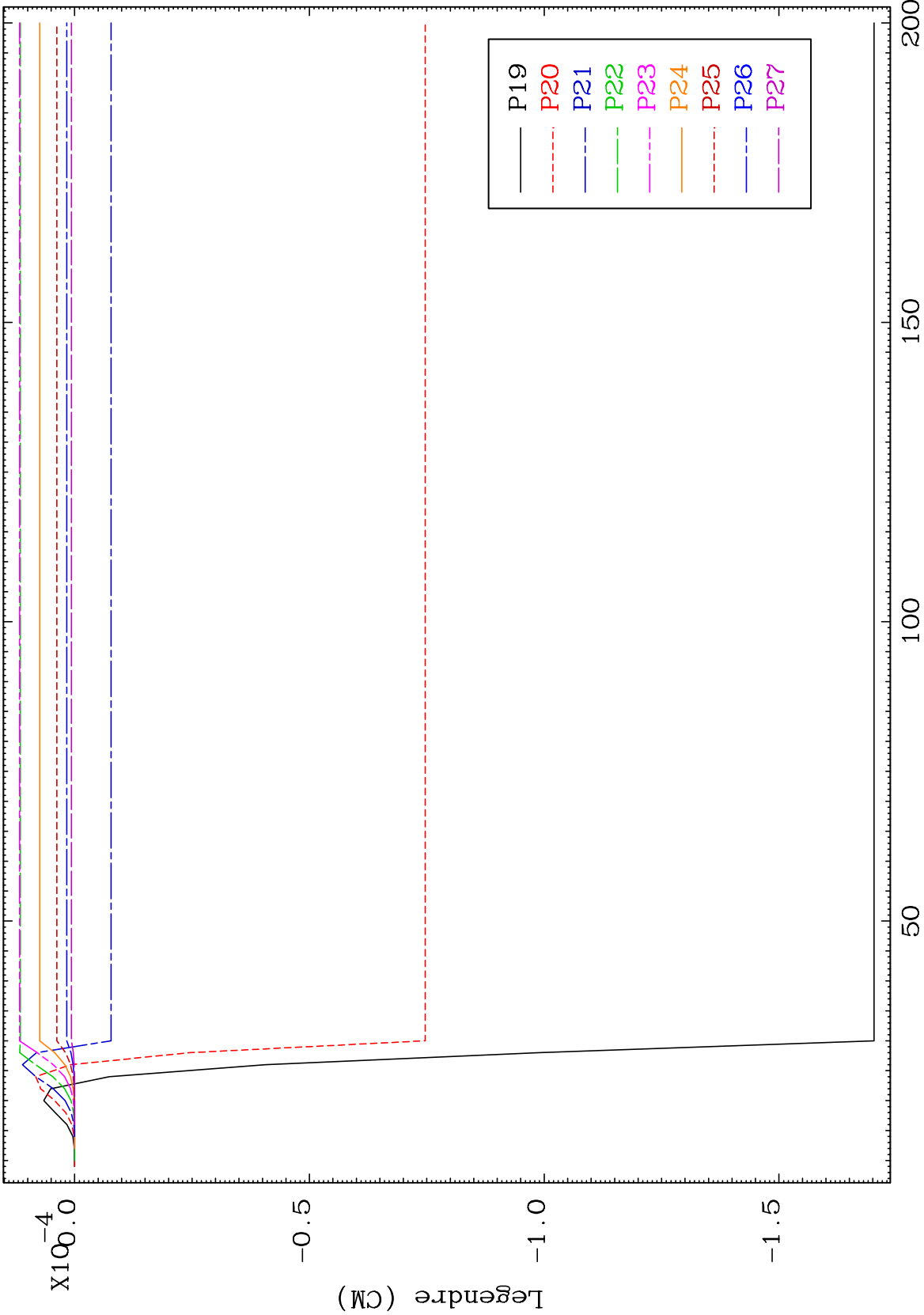
57-La-139

MAT 5728

MT= 79 (n,n') Level

57-La-139

Legendre Coefficients



57-La-139

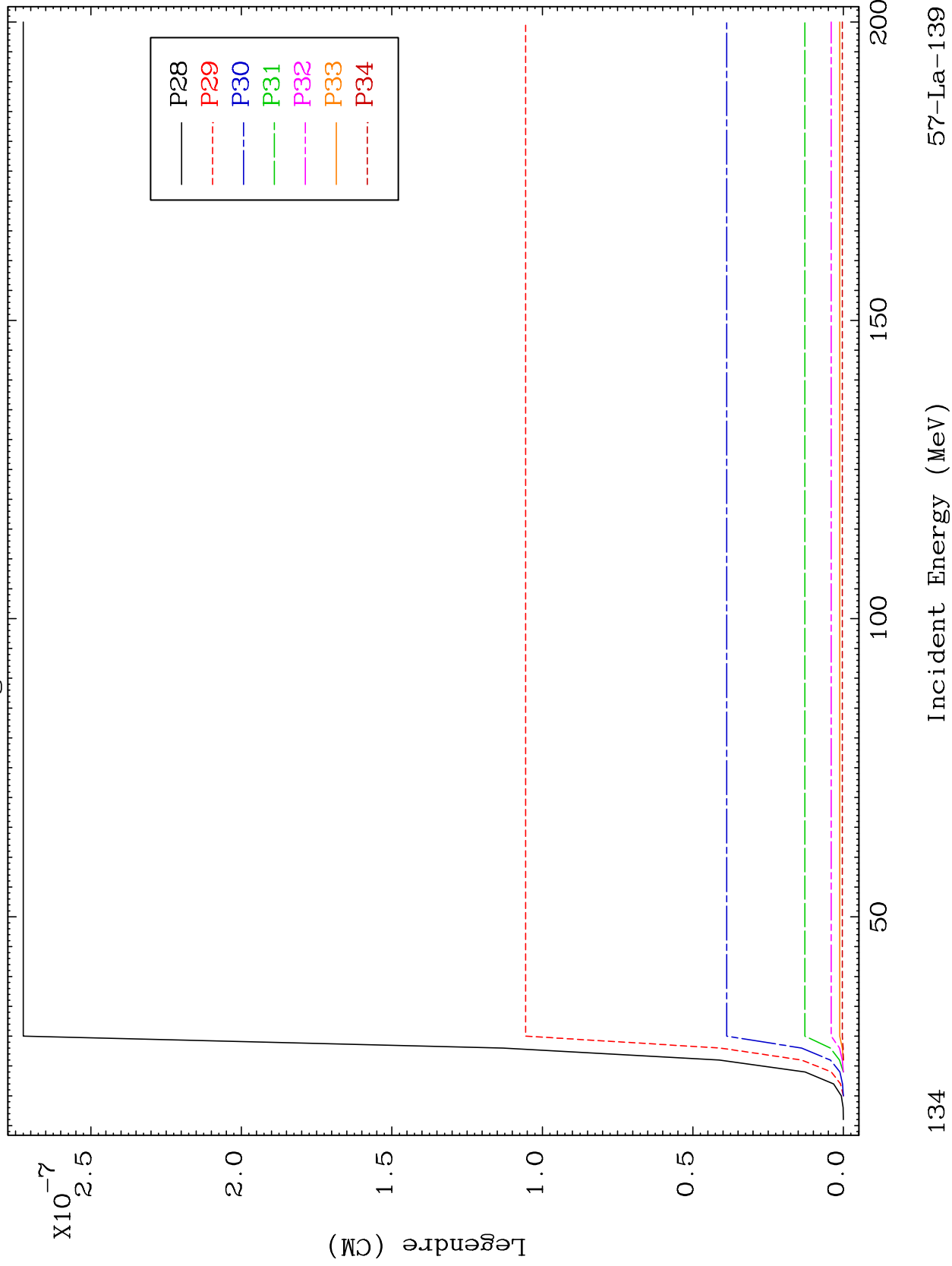
Incident Energy (MeV)

133

MAT 5728

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

57-La-139



134

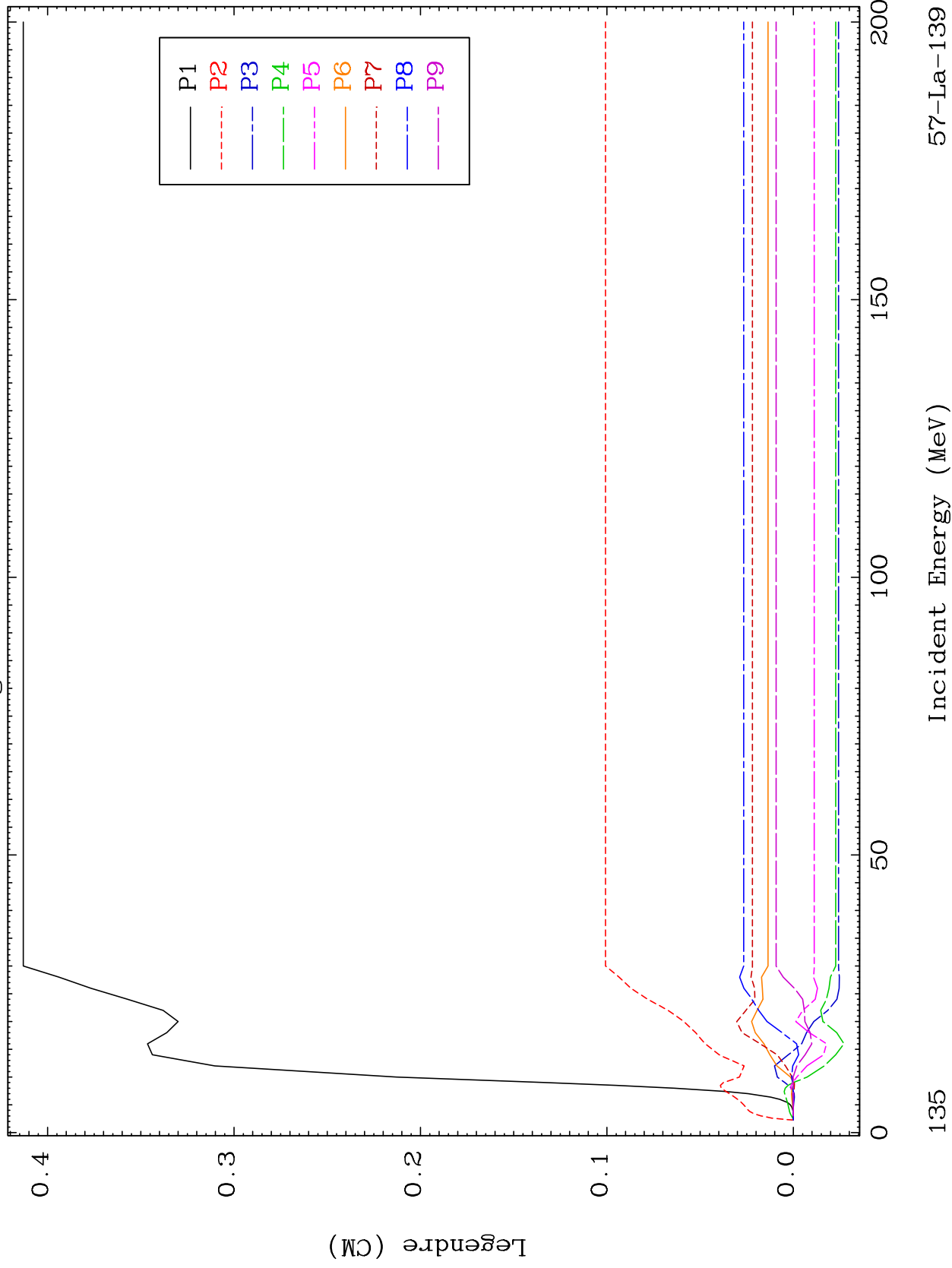
Incident Energy (MeV)

57-La-139

MAT 5728

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

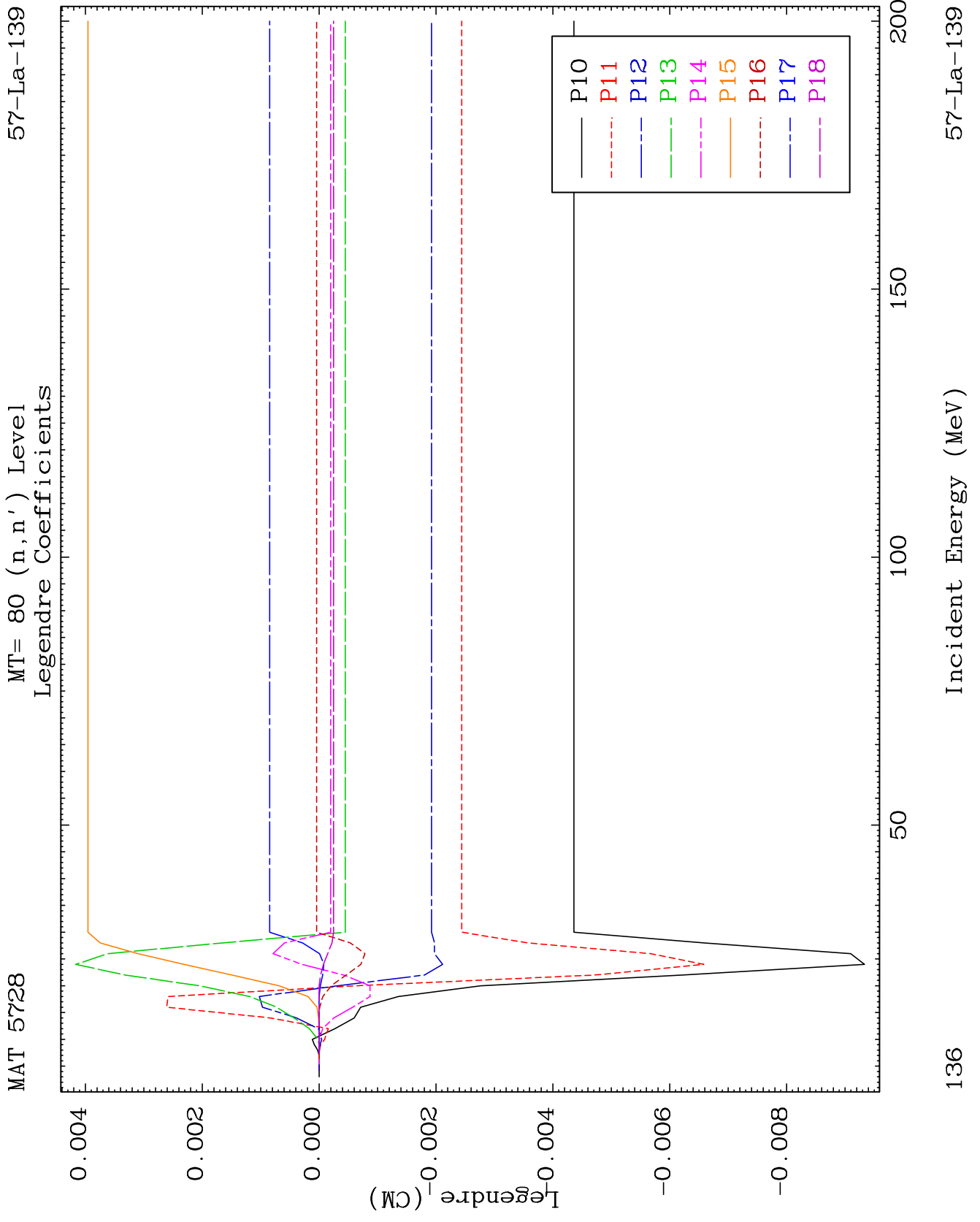
57-La-139

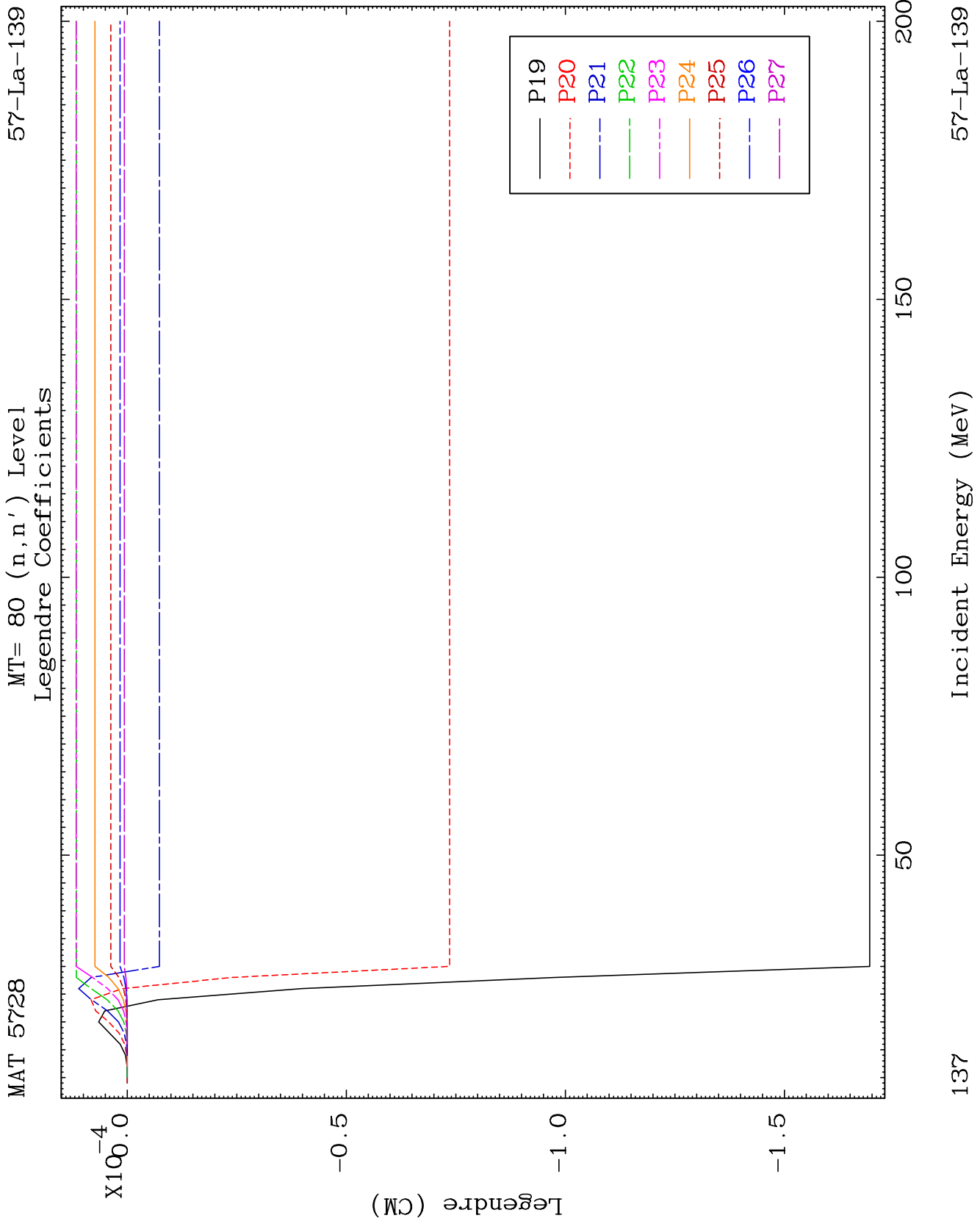


57-La-139

Incident Energy (MeV)

135

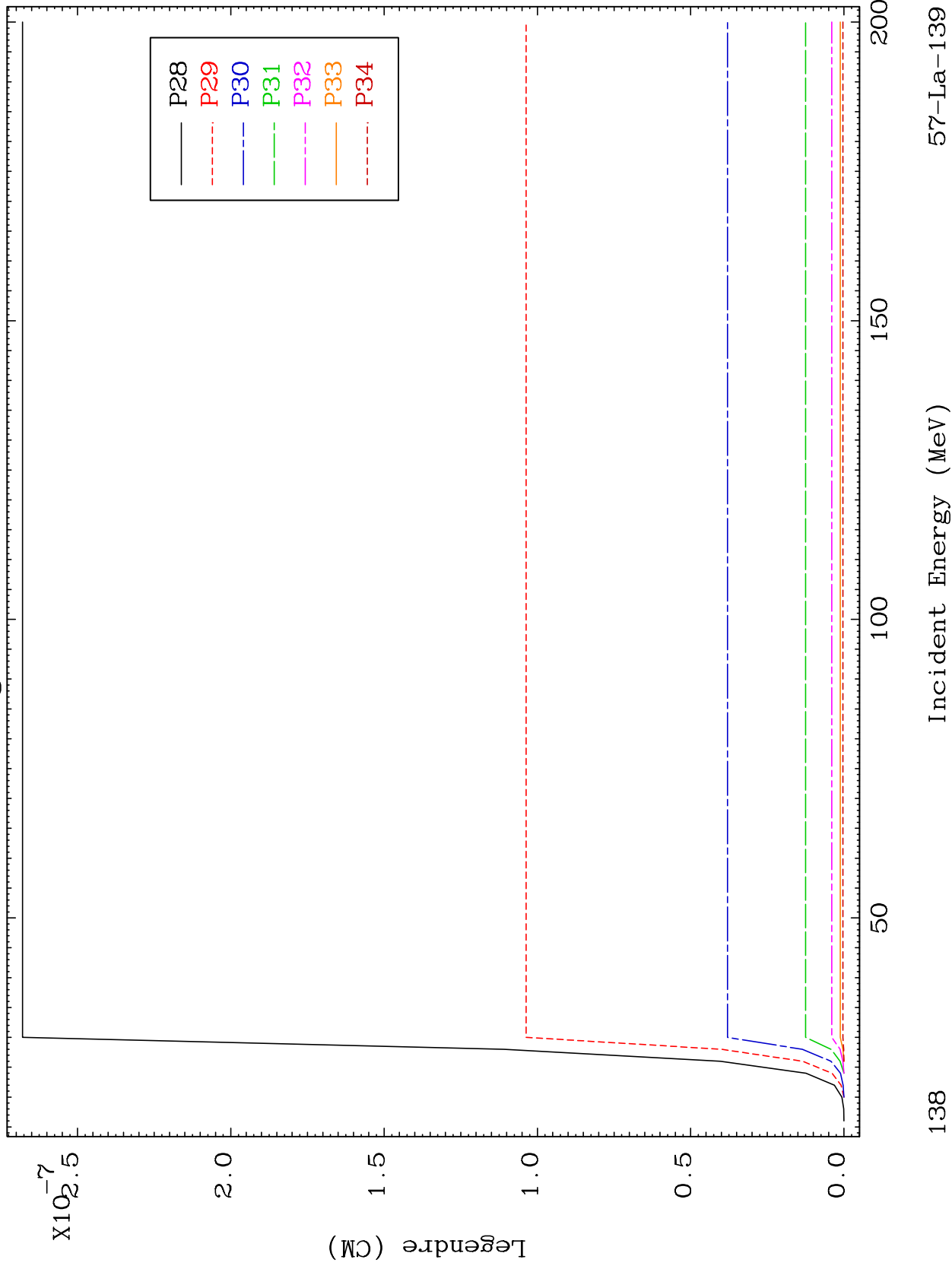




MAT 5728

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

57-La-139



138

Incident Energy (MeV)

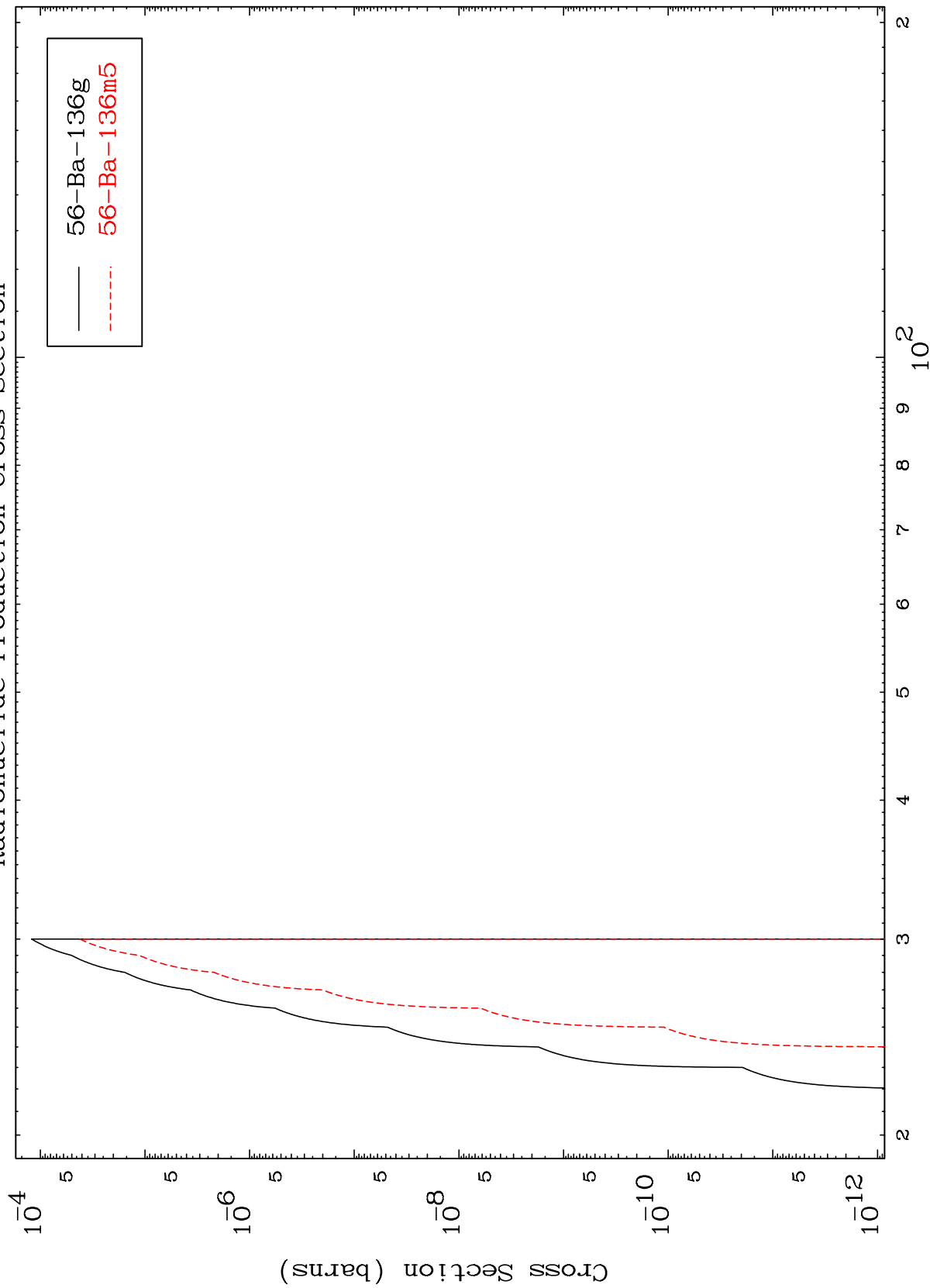
57-La-139

MAT 5728

(n,2n) d

57-La-139

Radionuclide Production Cross Section



56-Ba-136g
56-Ba-136m5

139

Incident Energy (MeV)

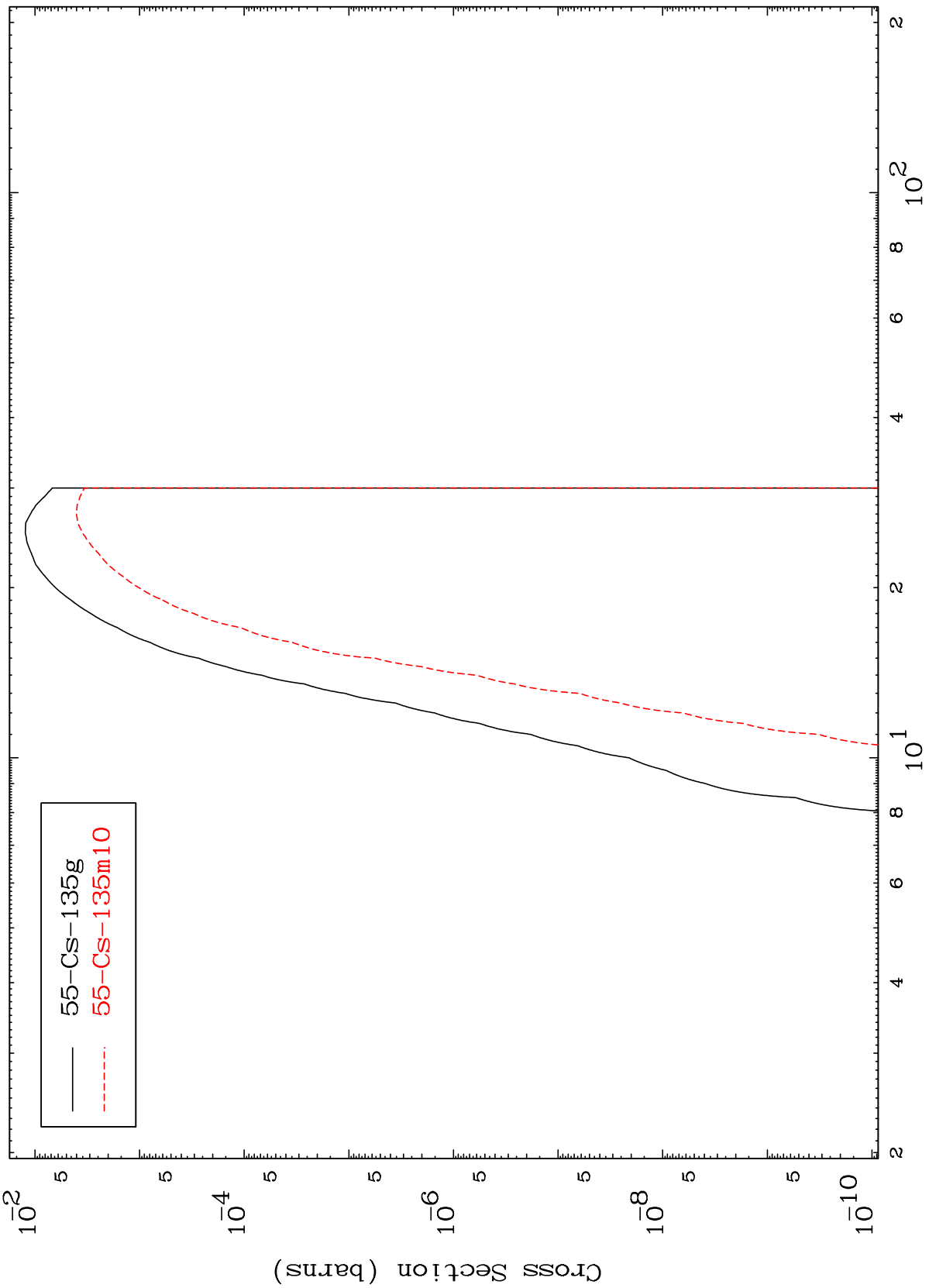
57-La-139

MAT 5728

57-La-139

(n,n') α

Radionuclide Production Cross Section



55-Cs-135g
55-Cs-135m10

57-La-139

Incident Energy (MeV)

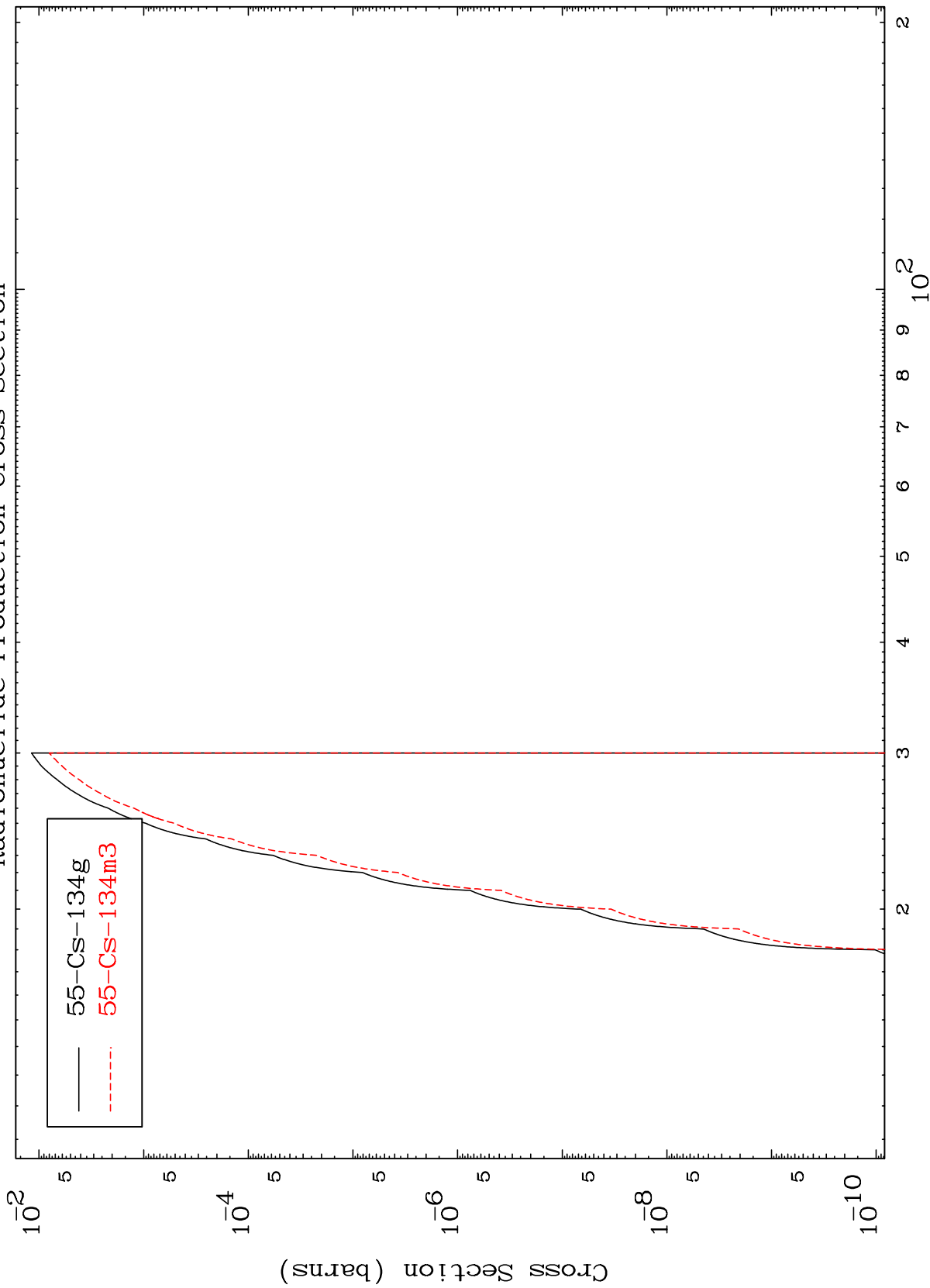
140

MAT 5728

(n,2n) α

57-La-139

Radionuclide Production Cross Section

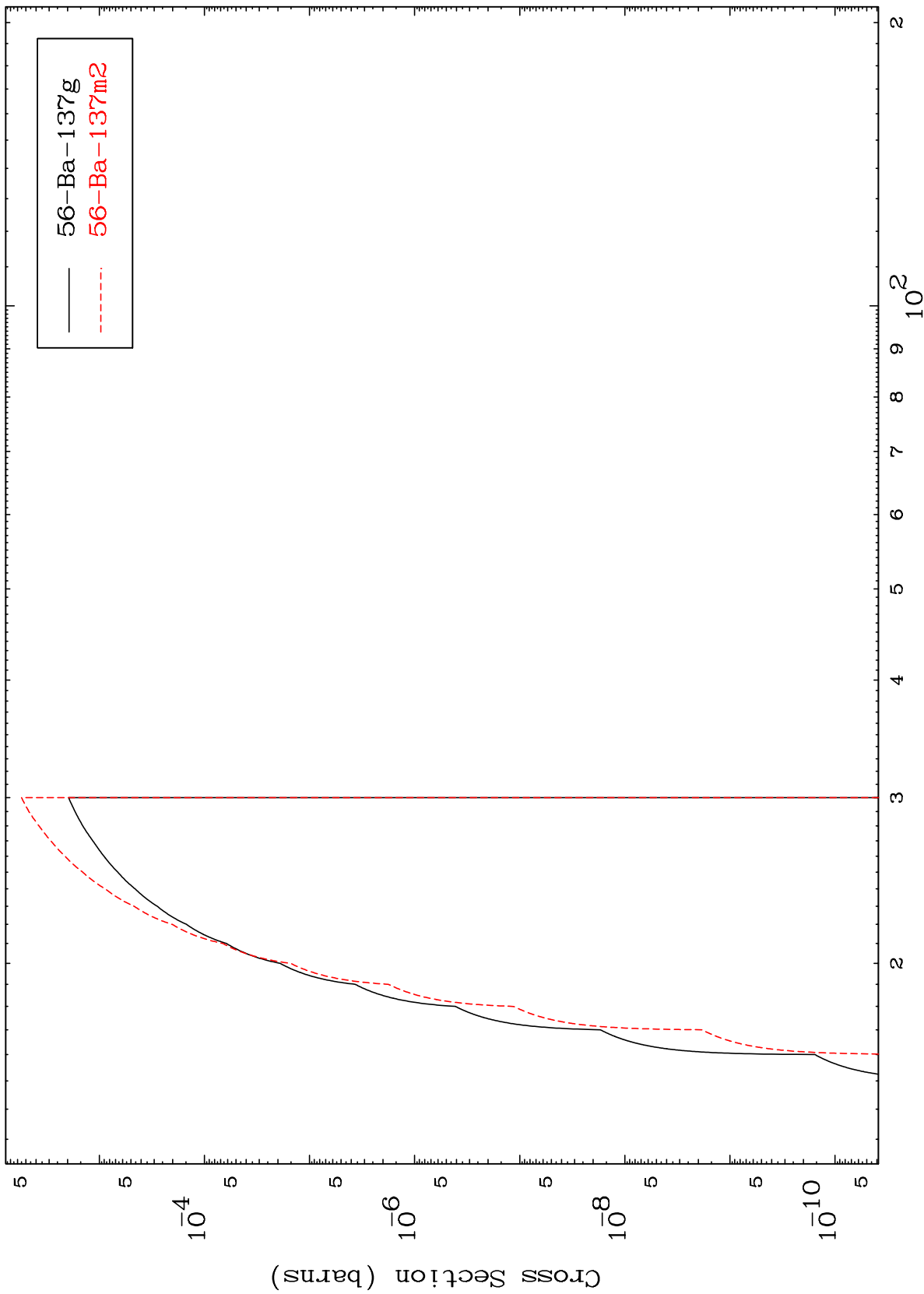


141

Incident Energy (MeV)

57-La-139

Radionuclide Production Cross Section

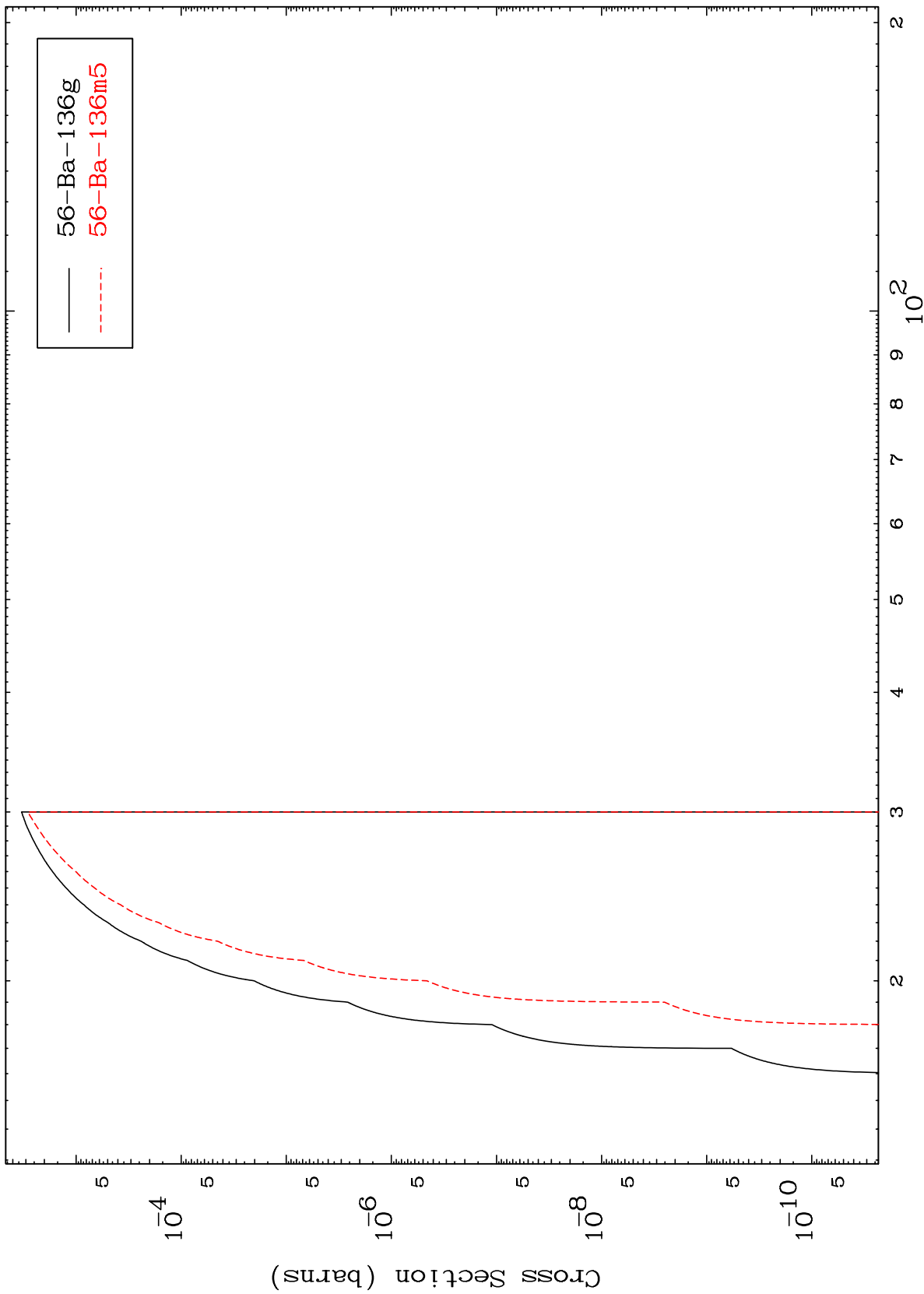


MAT 5728

(n,n') t

57-La-139

Radionuclide Production Cross Section



143

Incident Energy (MeV)

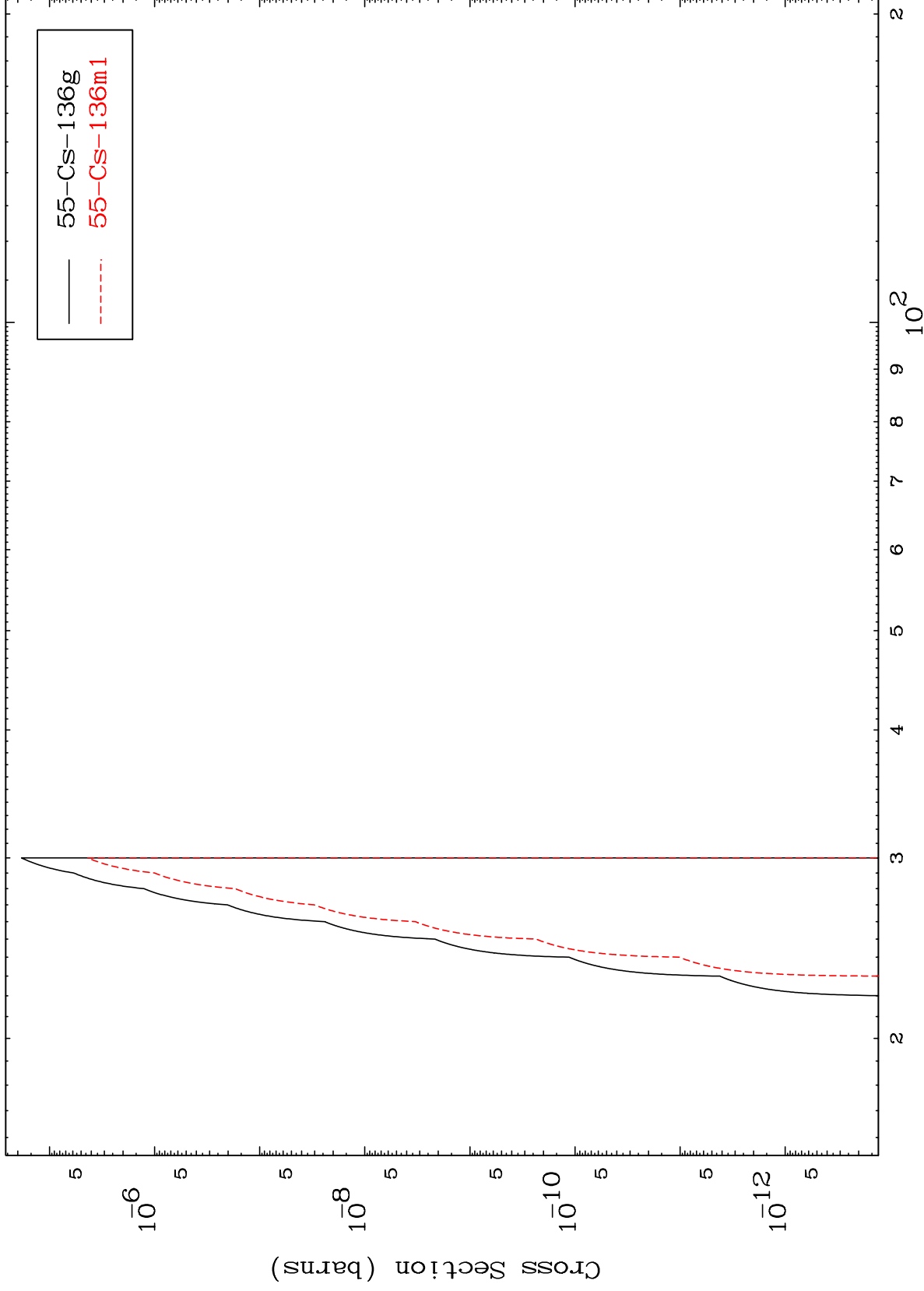
57-La-139

MAT 5728

(n,n') He-3

57-La-139

Radionuclide Production Cross Section



144

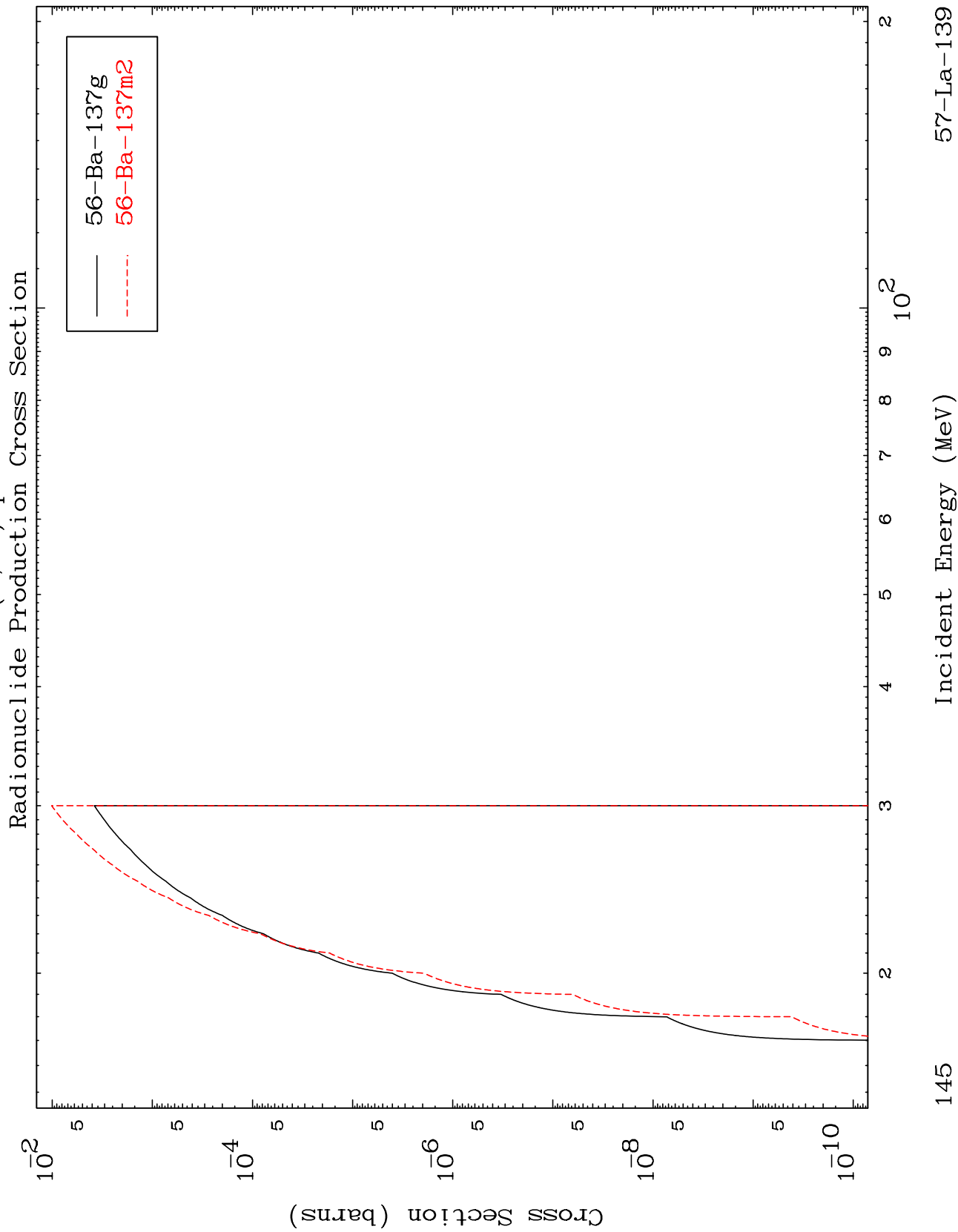
Incident Energy (MeV)

57-La-139

MAT 5728

(n,2n) p

57-La-139



145

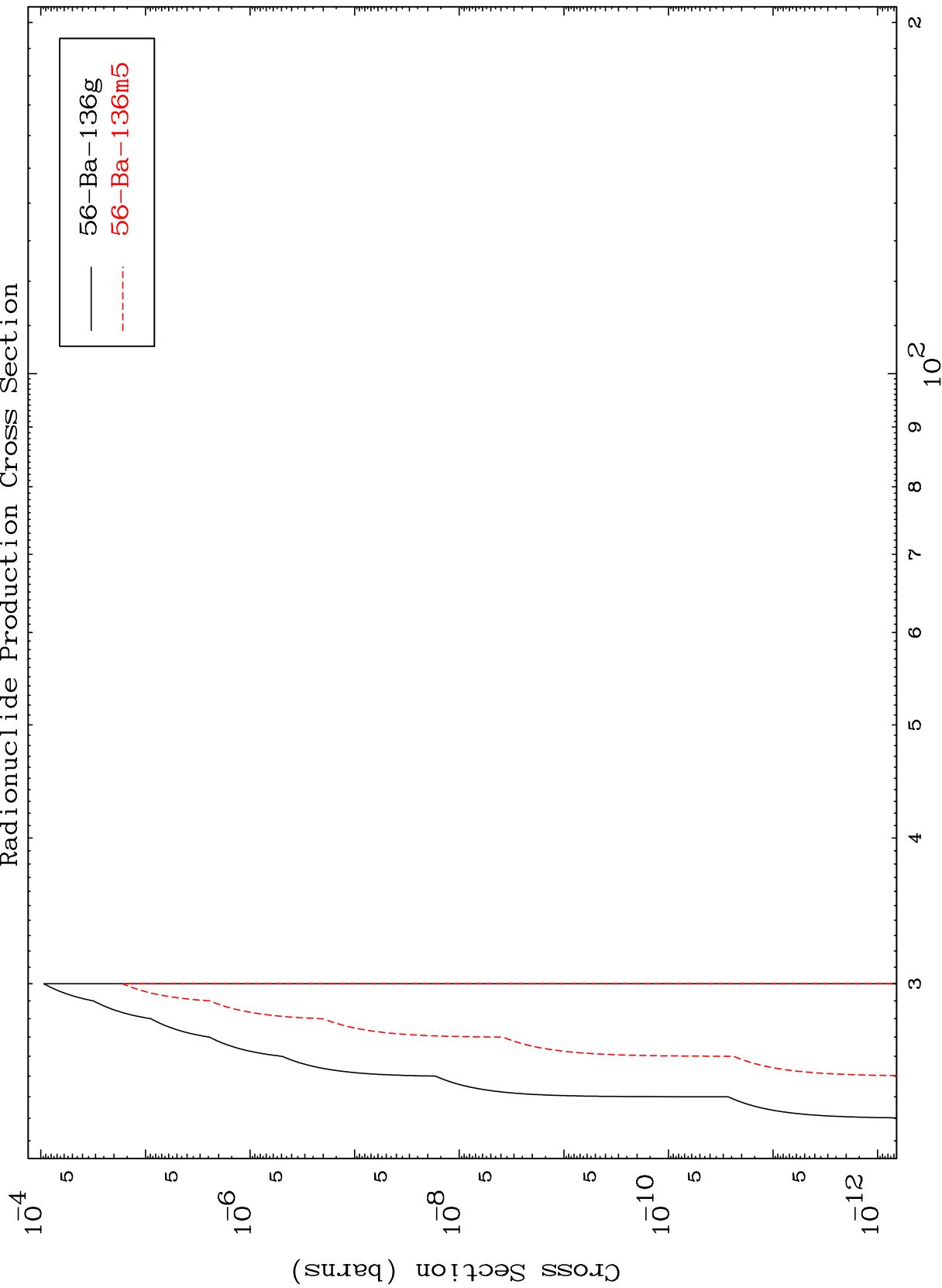
57-La-139

MAT 5728

(n,3n) p

57-La-139

Radionuclide Production Cross Section



56-Ba-136g
56-Ba-136m5

146

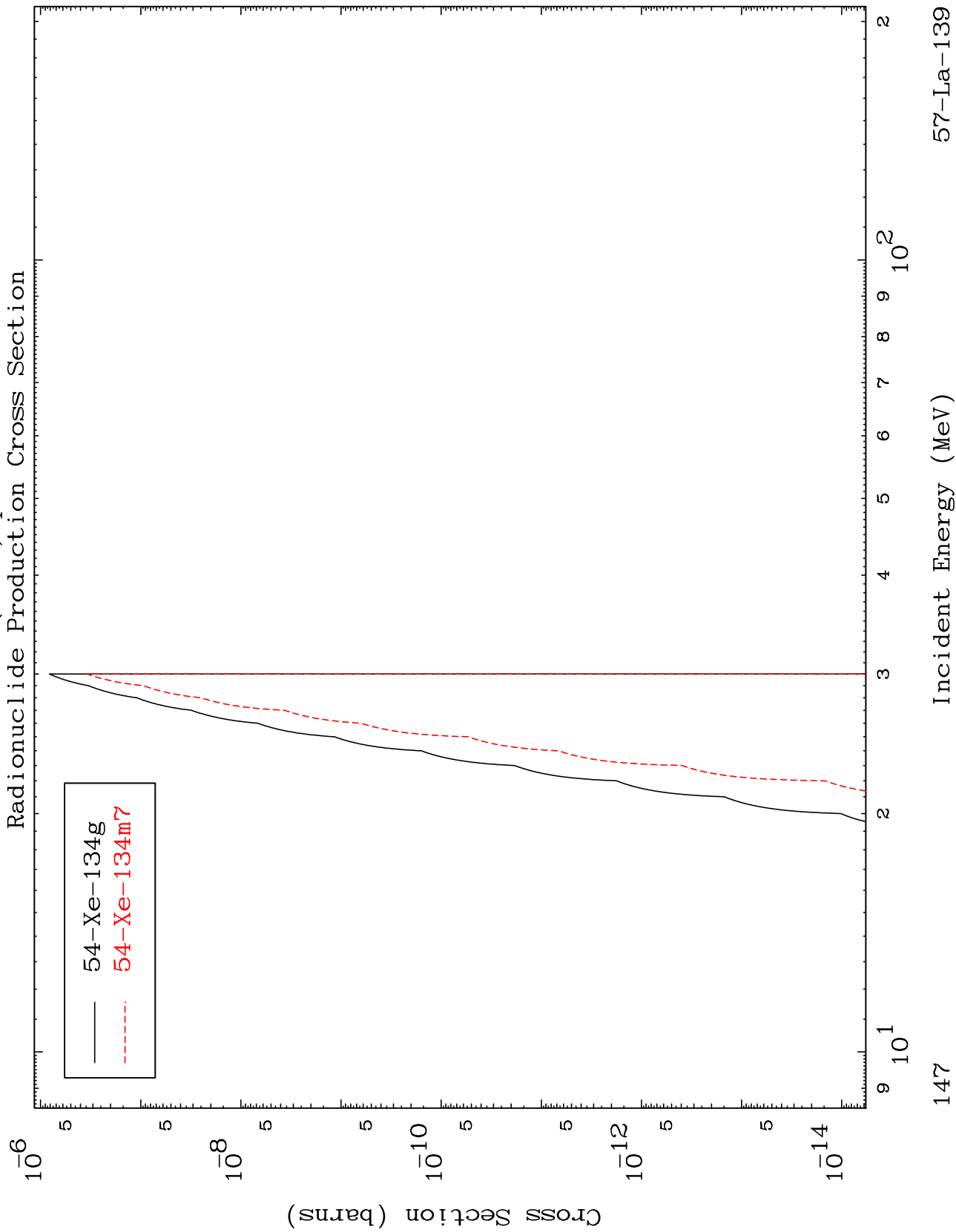
Incident Energy (MeV)

57-La-139

MAT 5728

(n,n') p α

57-La-139

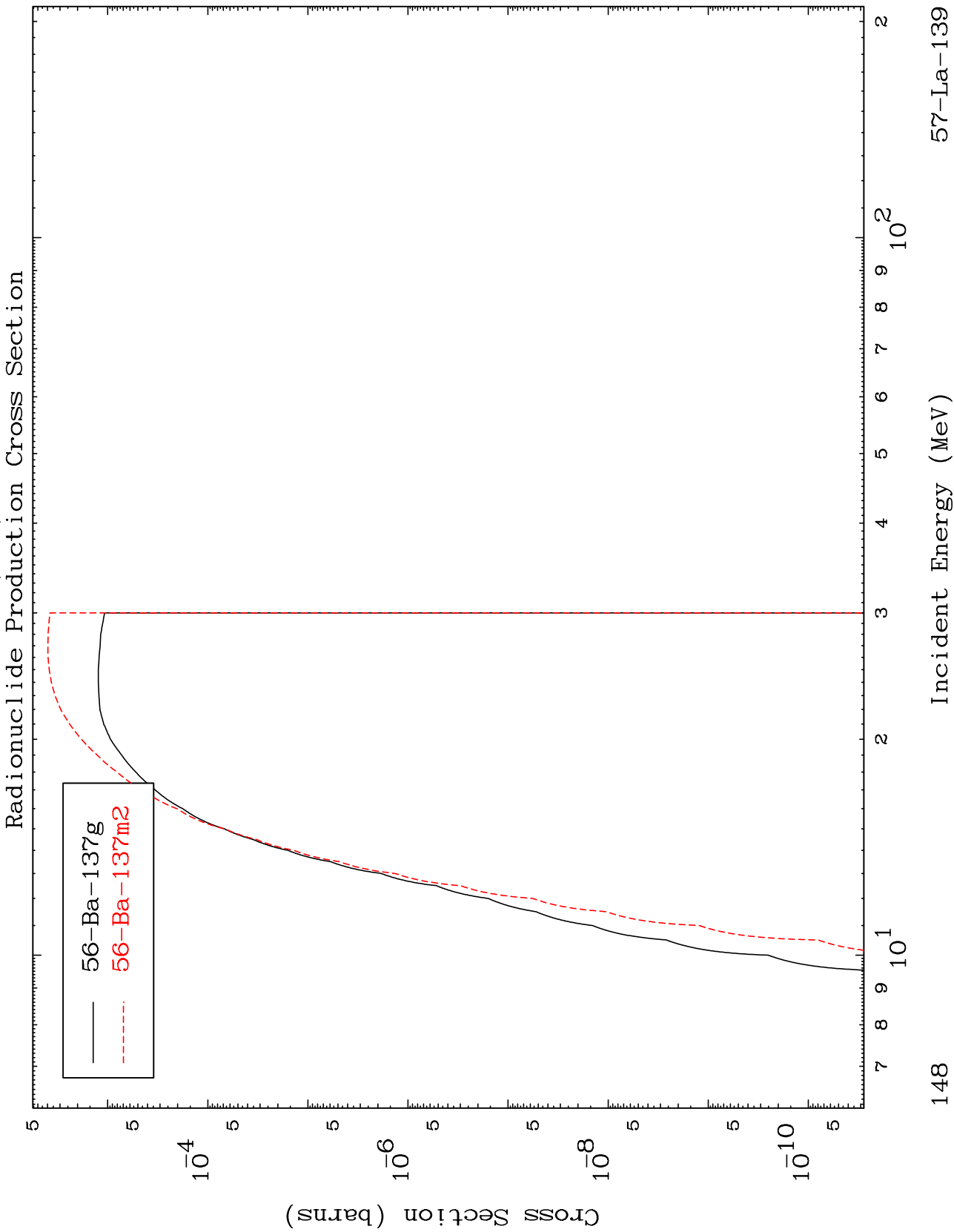


147

57-La-139

MAT 5728

57-La-139

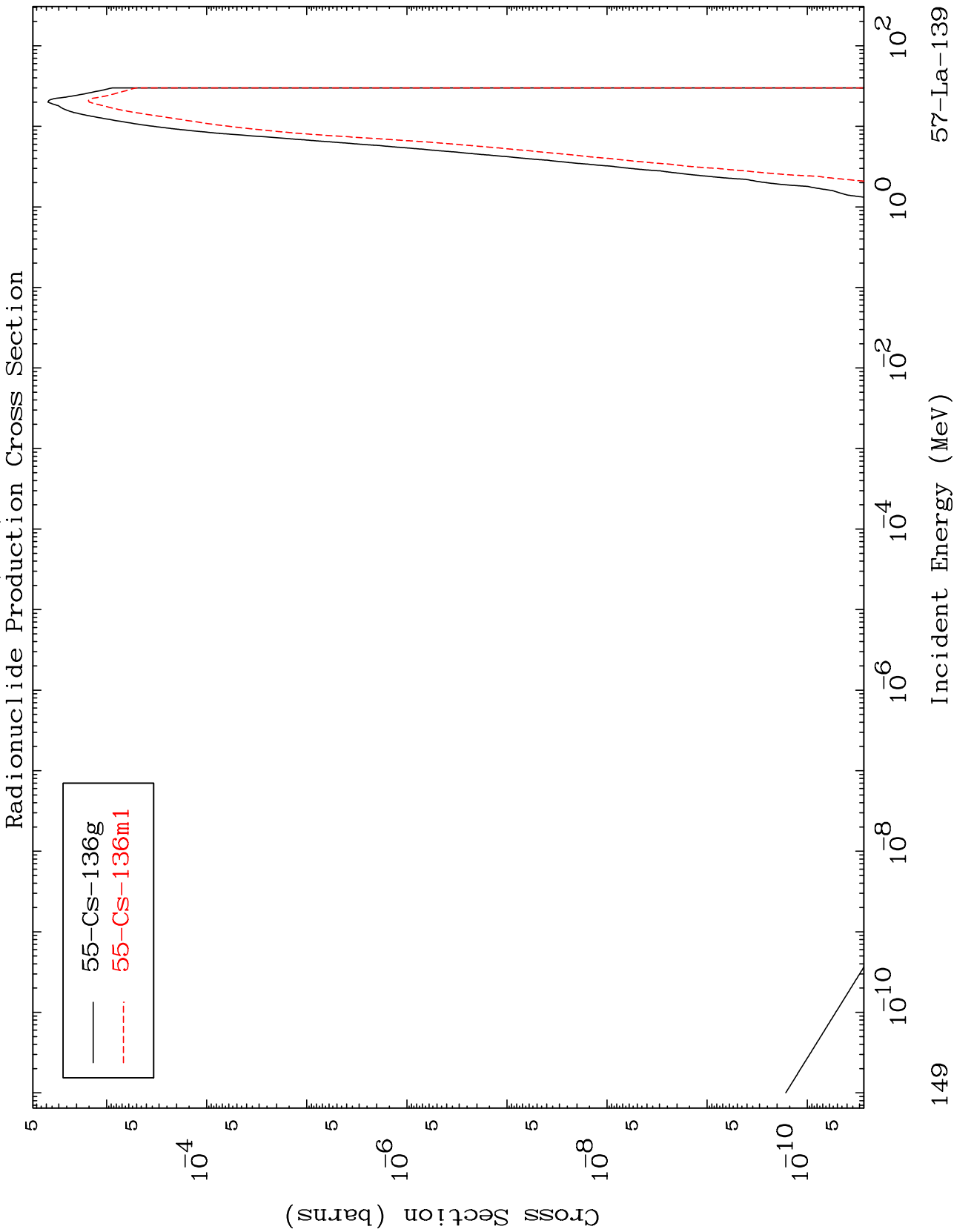


148

57-La-139

MAT 5728

57-La-139



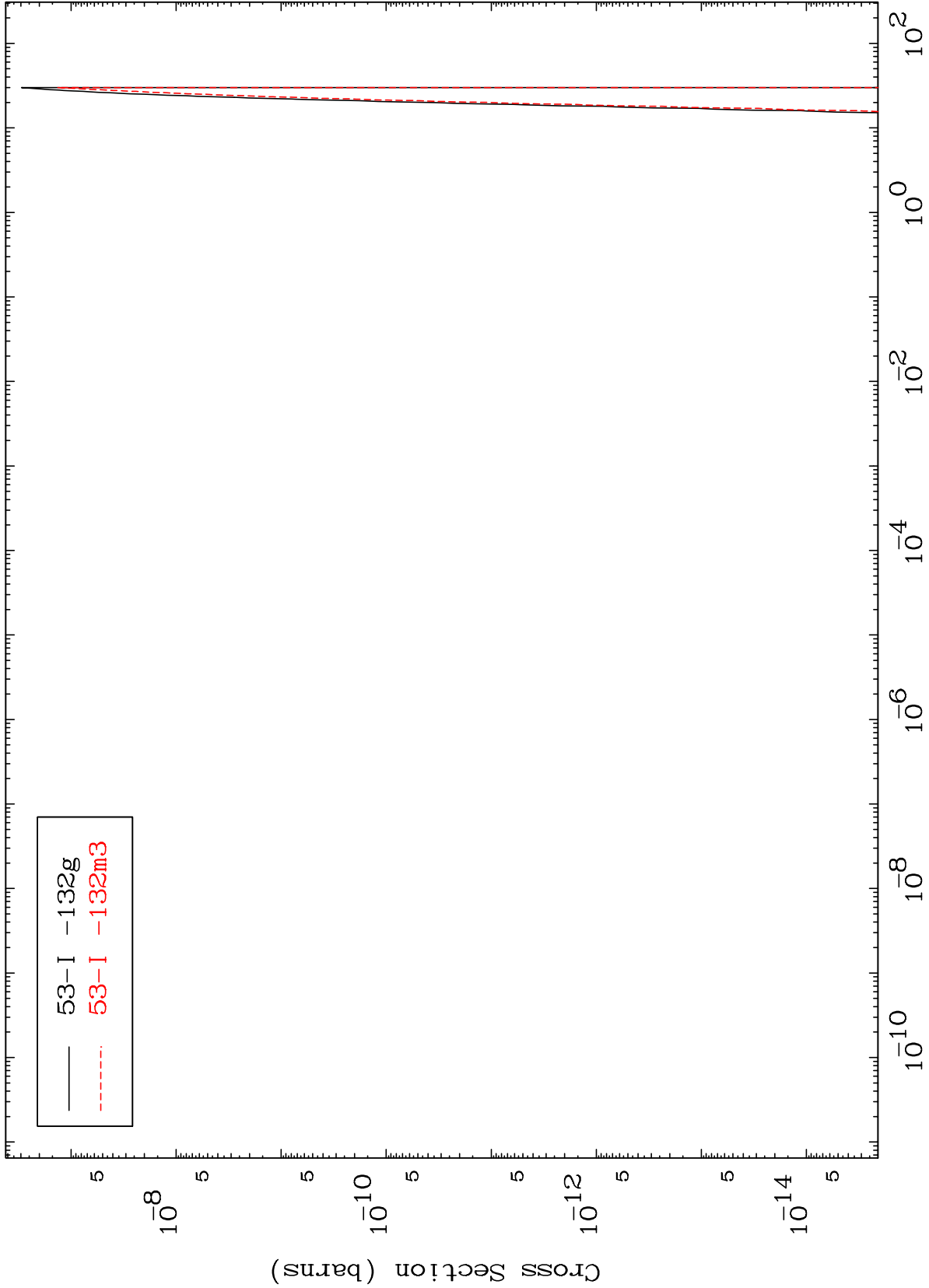
55-Cs-136g
55-Cs-136m1

MAT 5728

(n,2α)

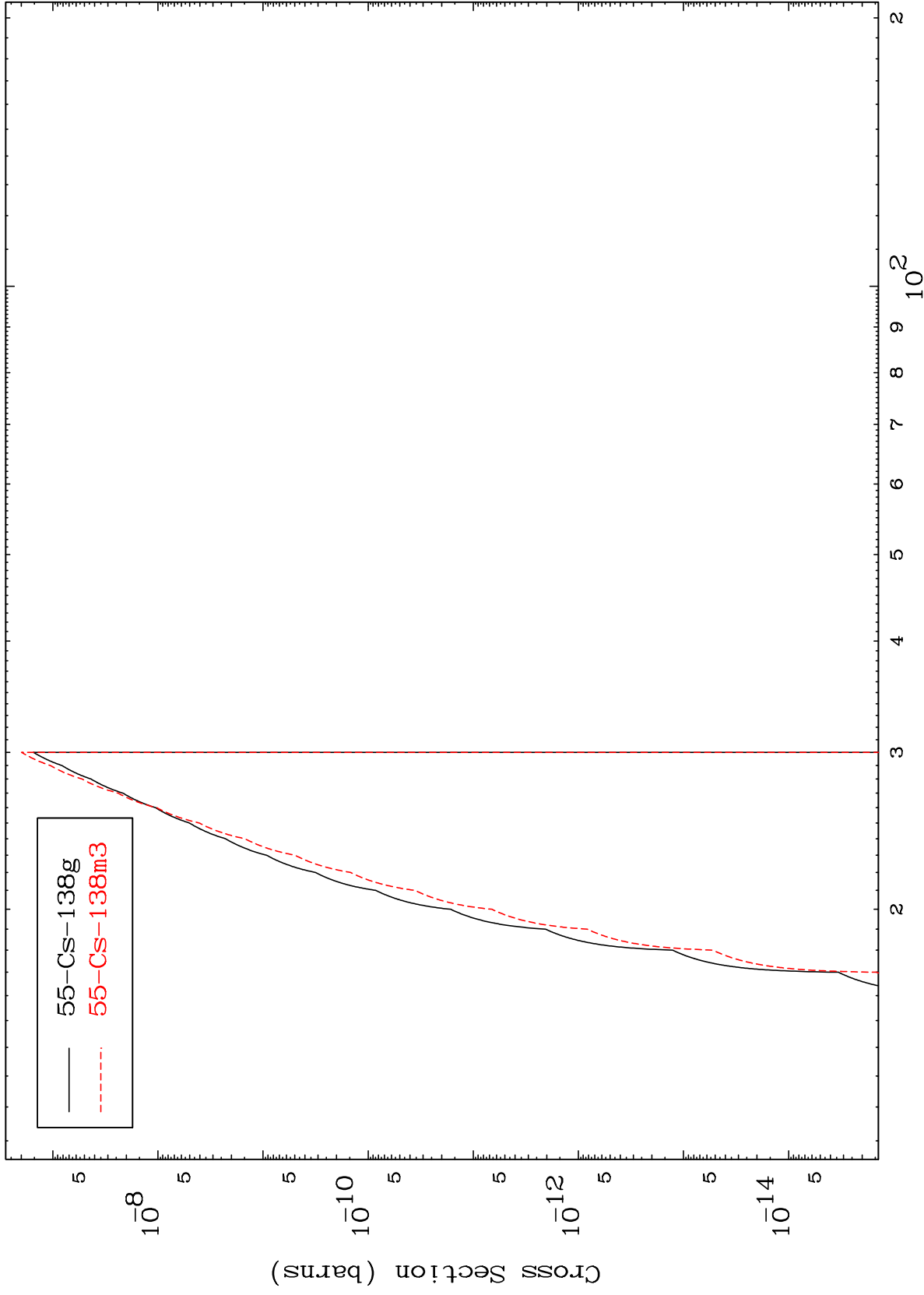
57-La-139

Radionuclide Production Cross Section



53-I -132g
53-I -132m3

(n,2p)
Radionuclide Production Cross Section

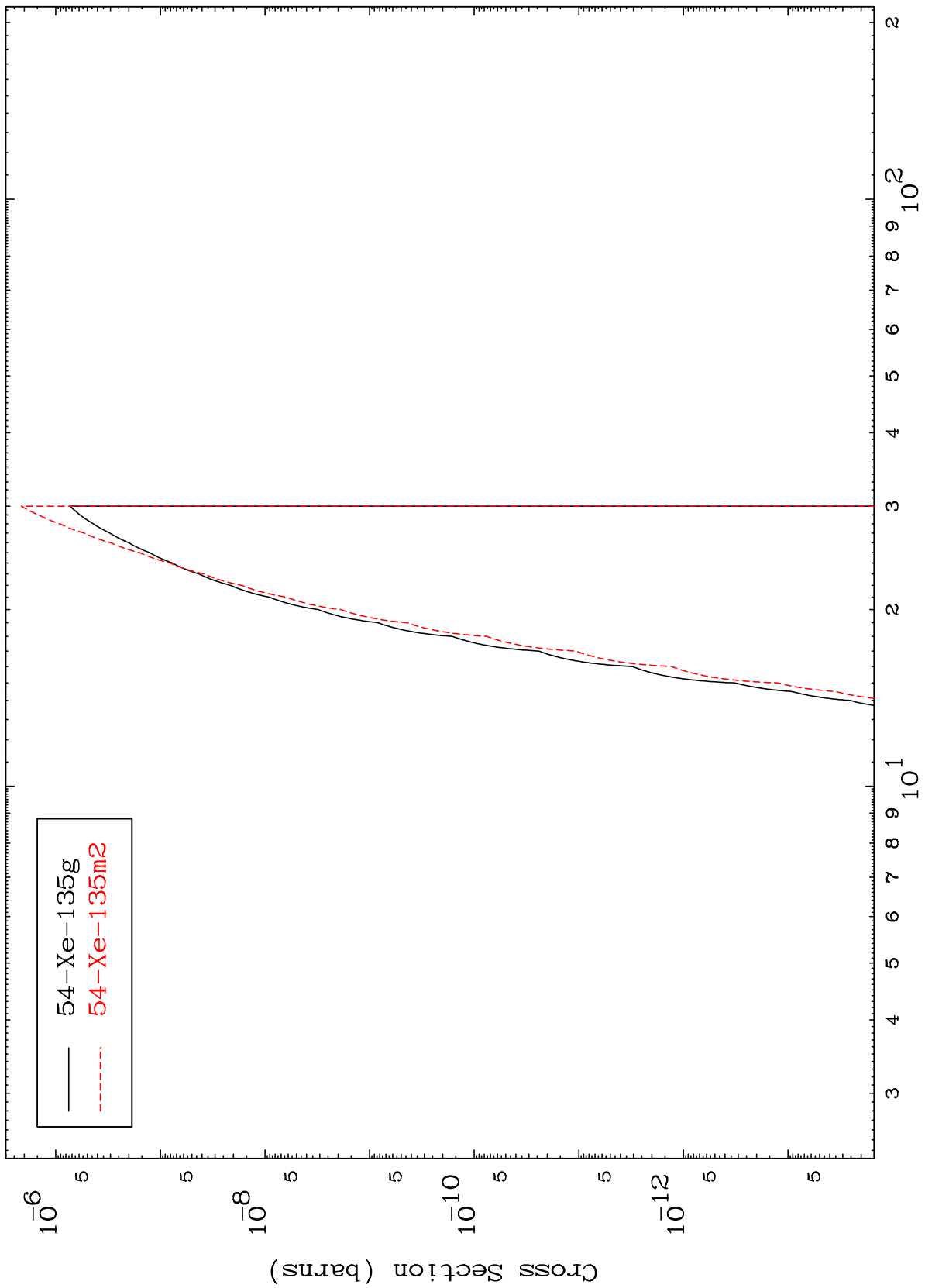


MAT 5728

(n,p) α

57-La-139

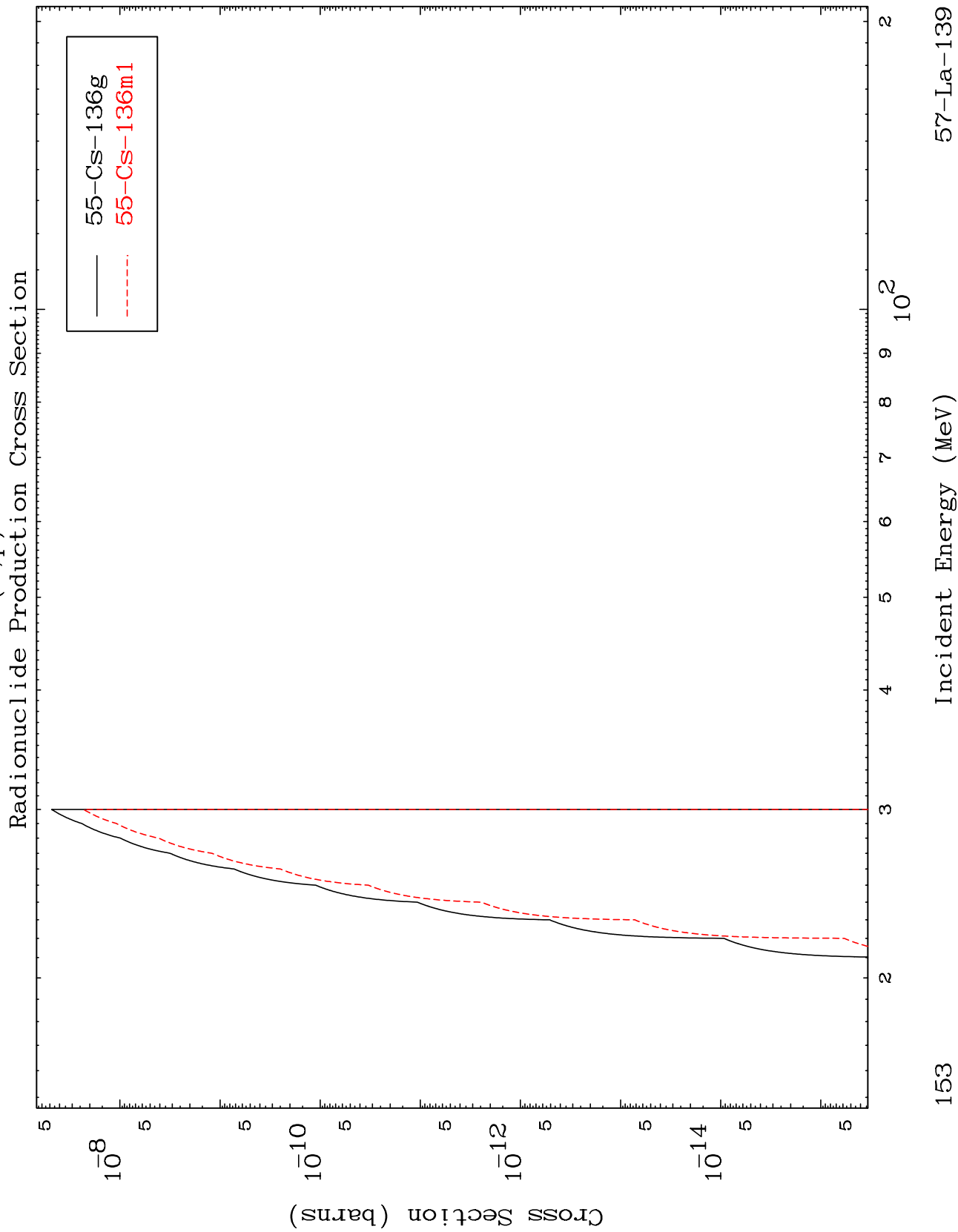
Radionuclide Production Cross Section



152

Incident Energy (MeV)

57-La-139

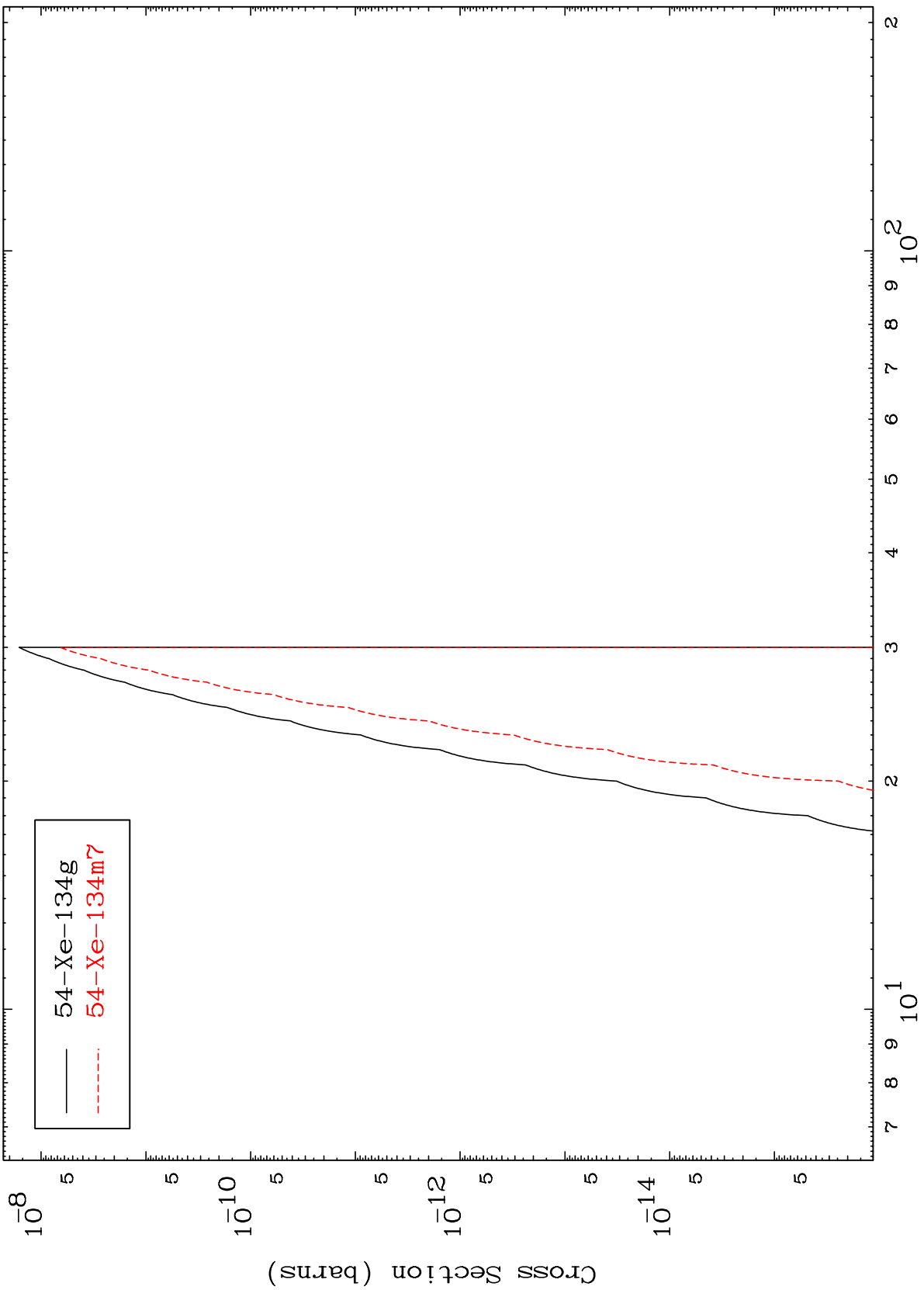


MAT 5728

(n,d) α

57-La-139

Radionuclide Production Cross Section



54-Xe-134g
54-Xe-134m7