

Program EVALPLOT
(Version 2018-1)

by

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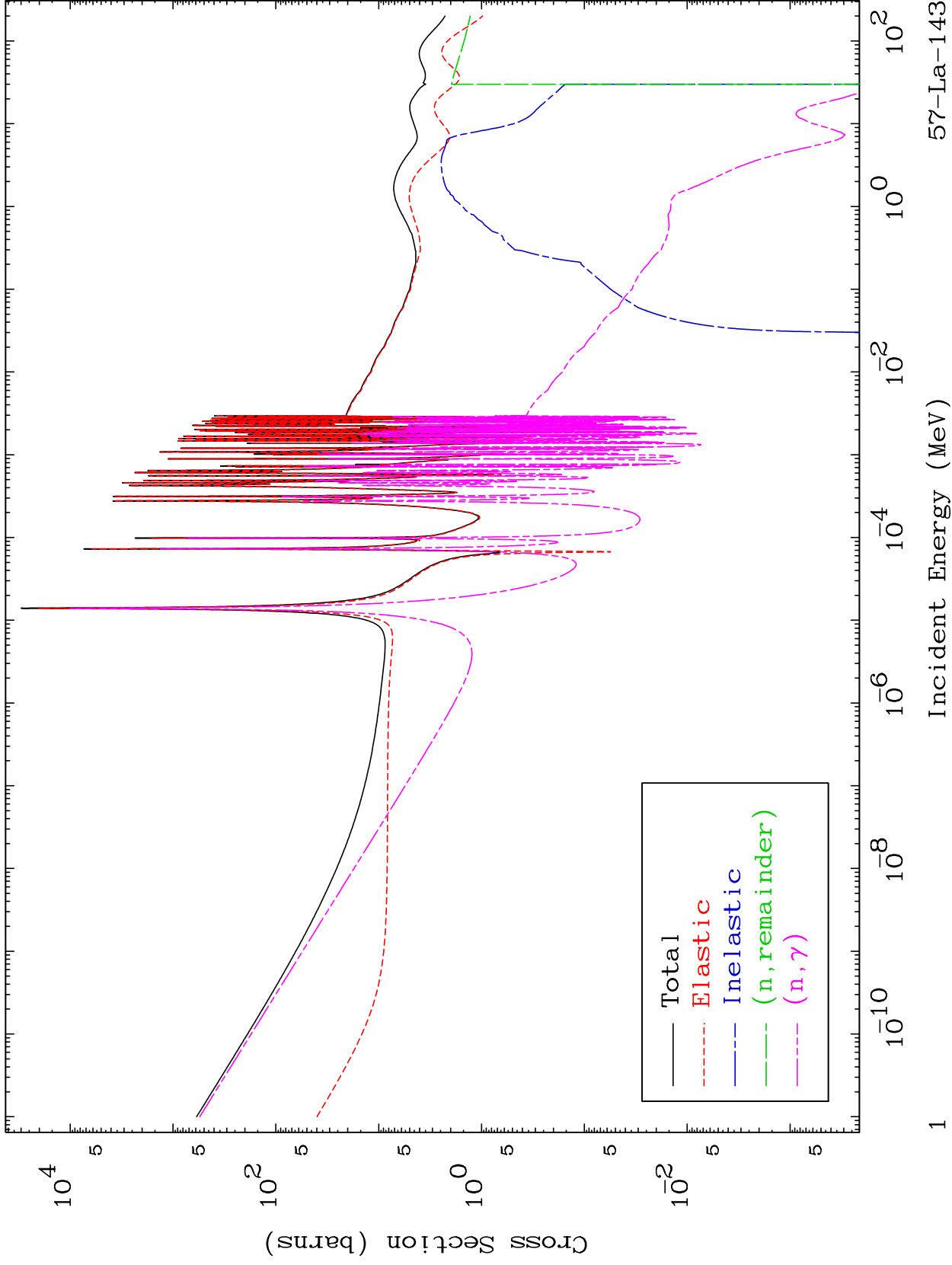
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5740

Major
293 Kelvin Cross Sections

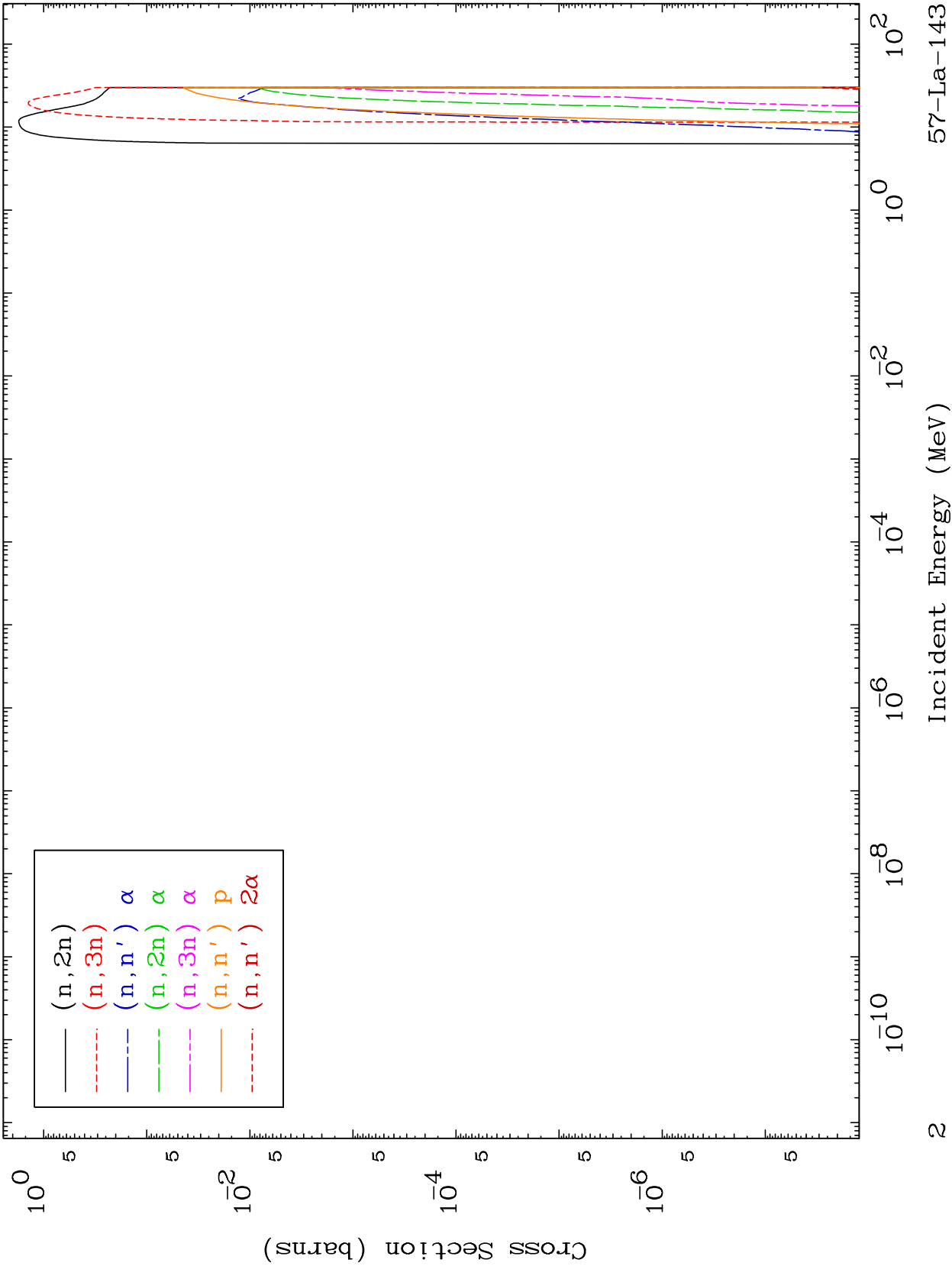
57-La-143



MAT 5740

Neutron Production
293 Kelvin Cross Sections

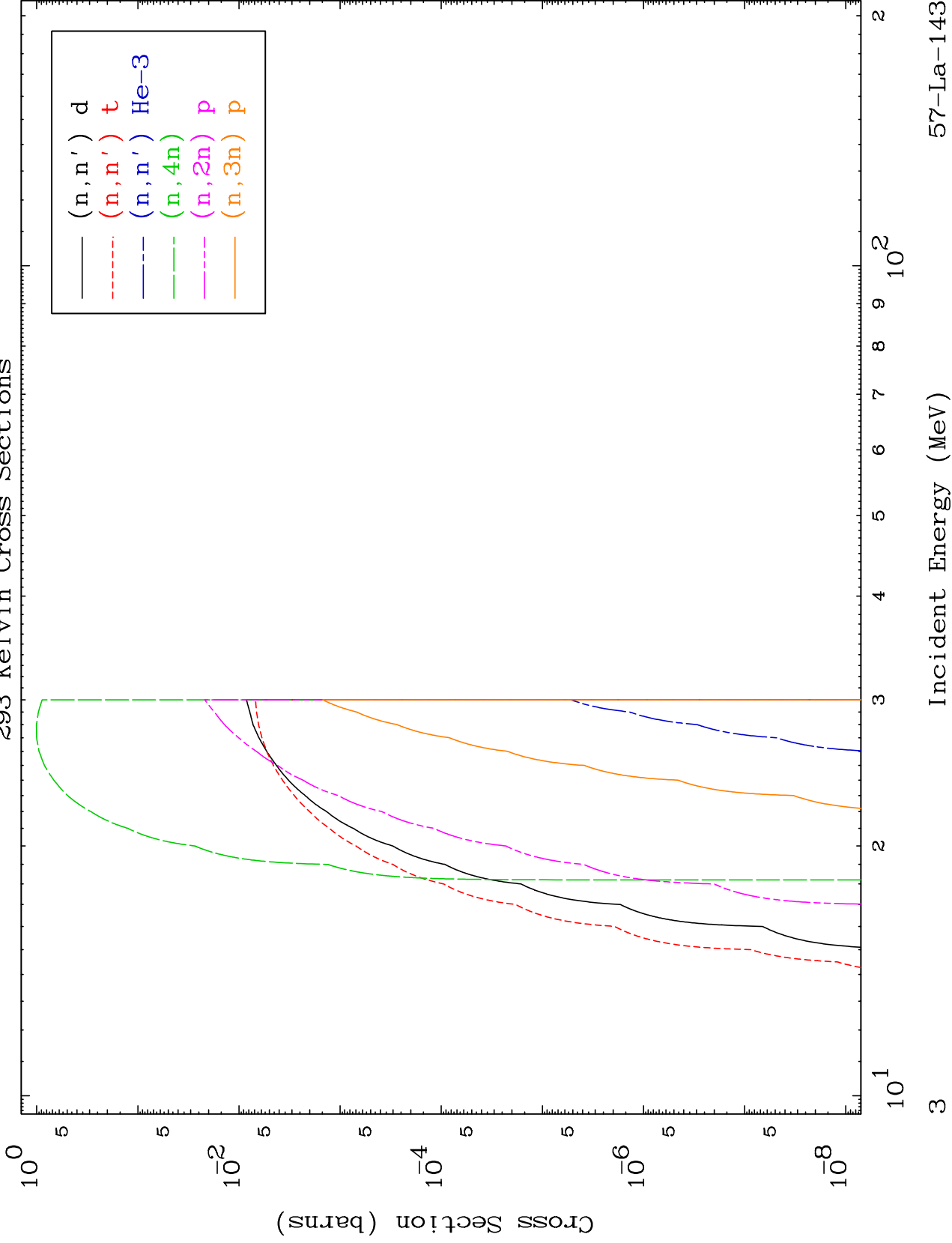
57-La-143



MAT 5740

Neutron Production
293 Kelvin Cross Sections

57-La-143



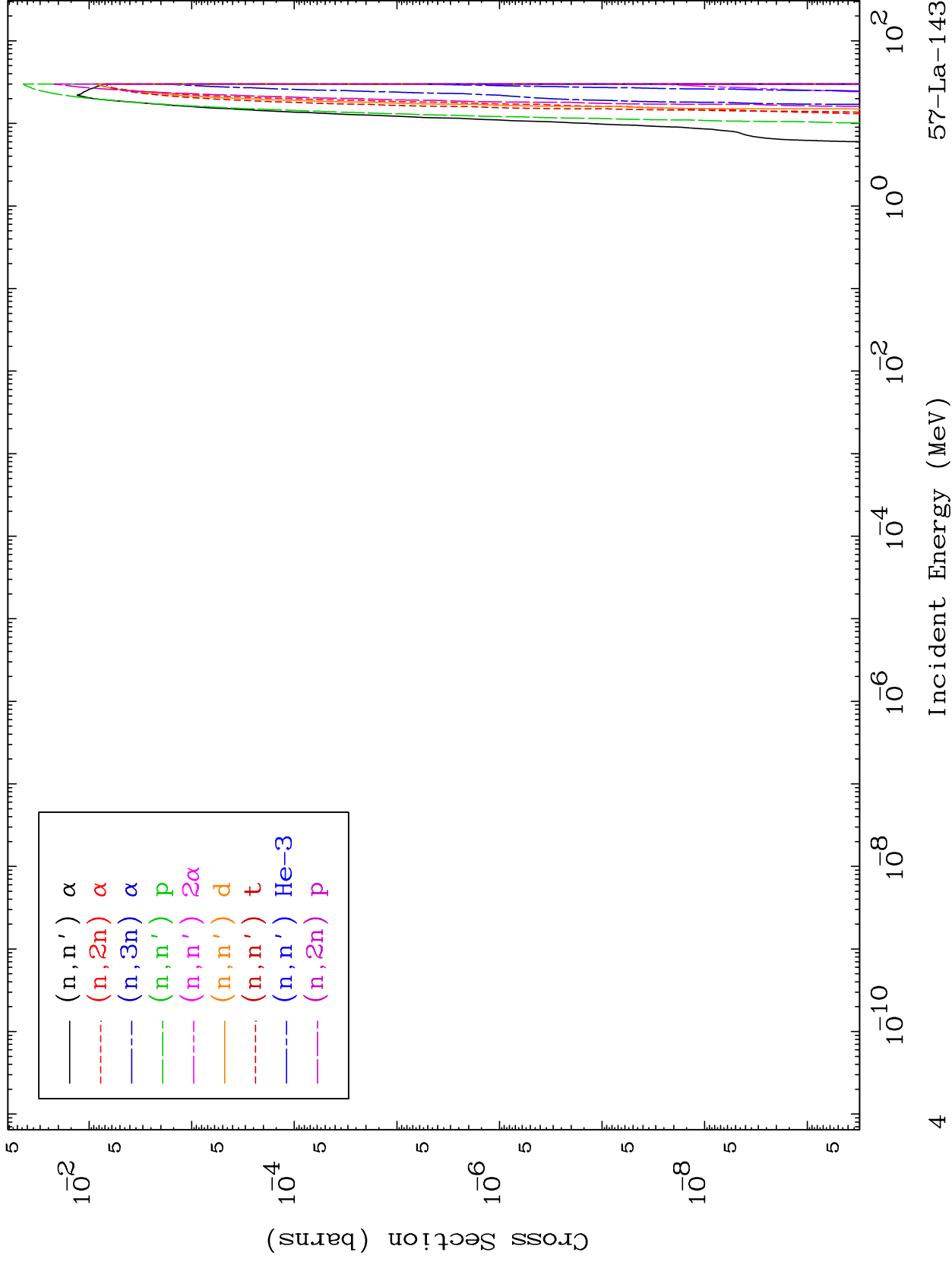
57-La-143

Incident Energy (MeV)

MAT 5740

Charged Particle
293 Kelvin Cross Sections

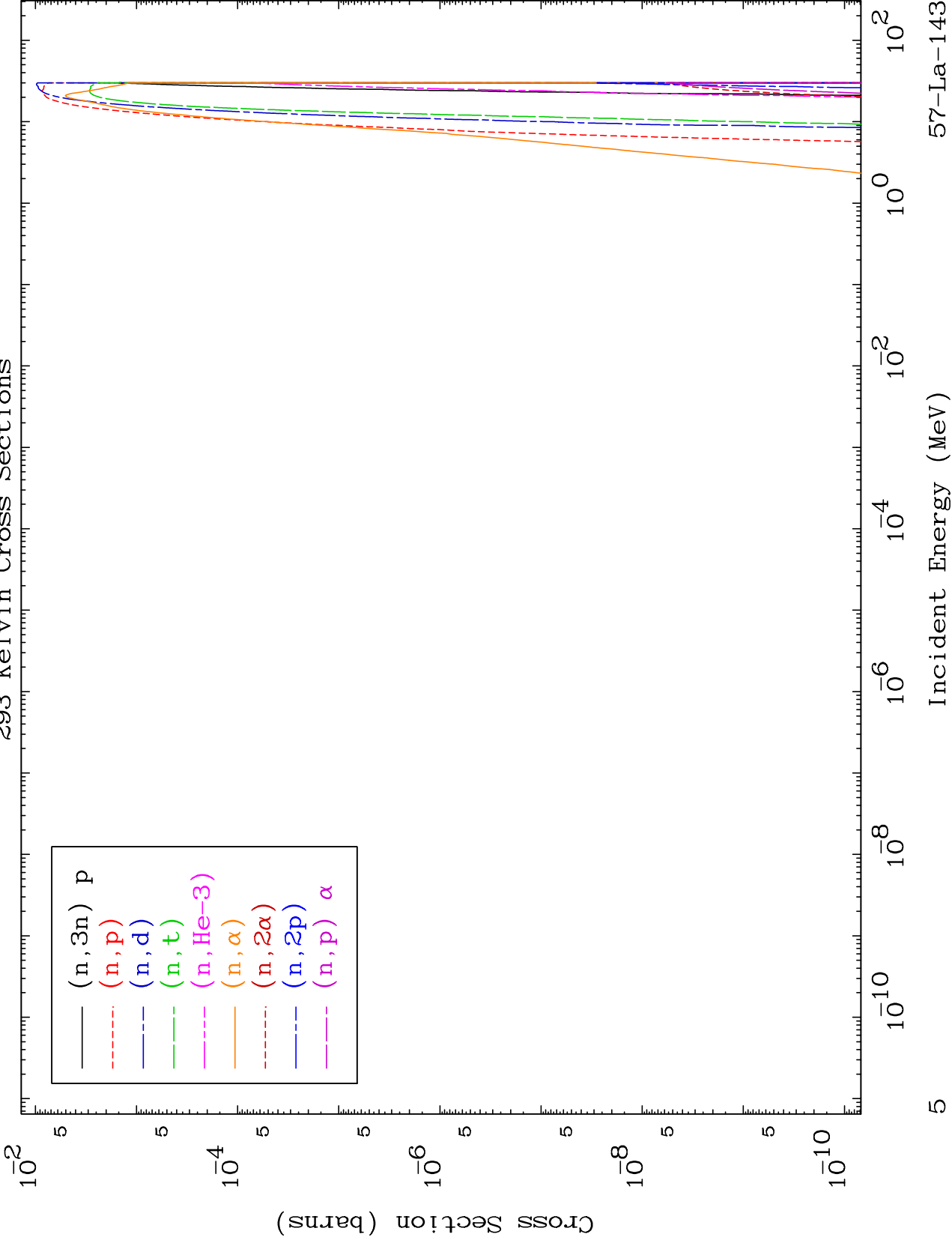
57-La-143

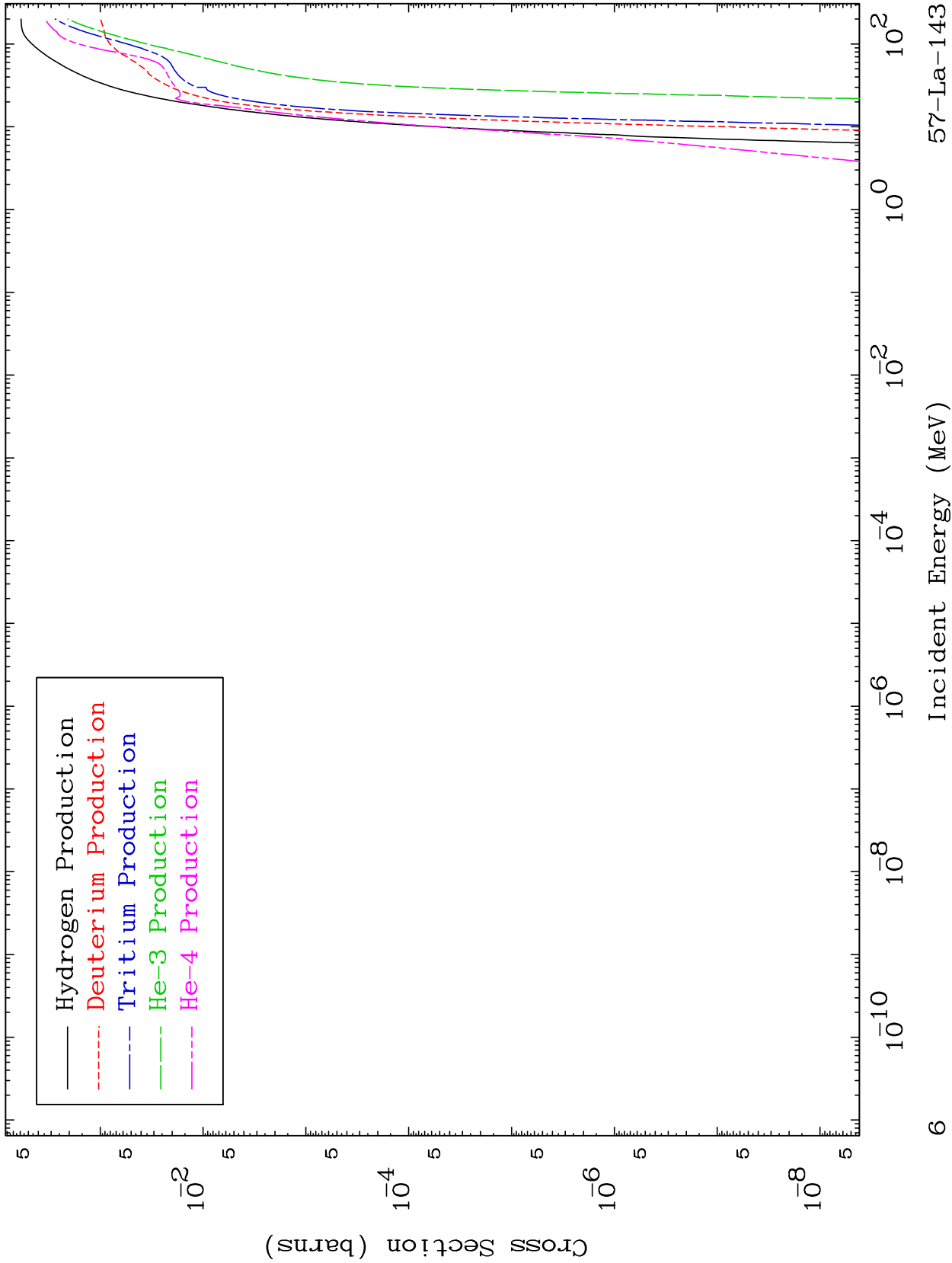


MAT 5740

Charged Particle
293 Kelvin Cross Sections

57-La-143

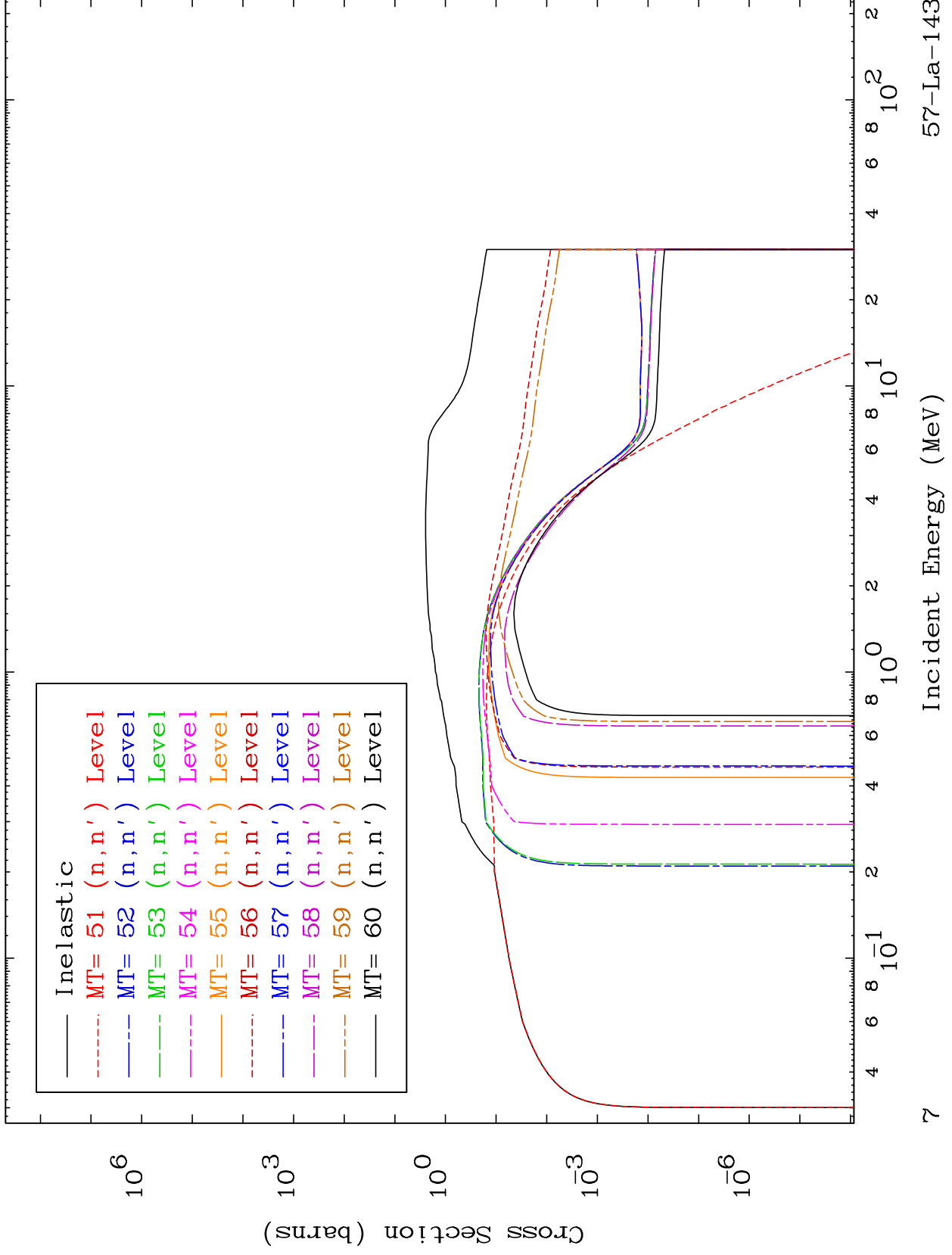




MAT 5740

(n,n') Level
293 Kelvin Cross Sections

57-La-143

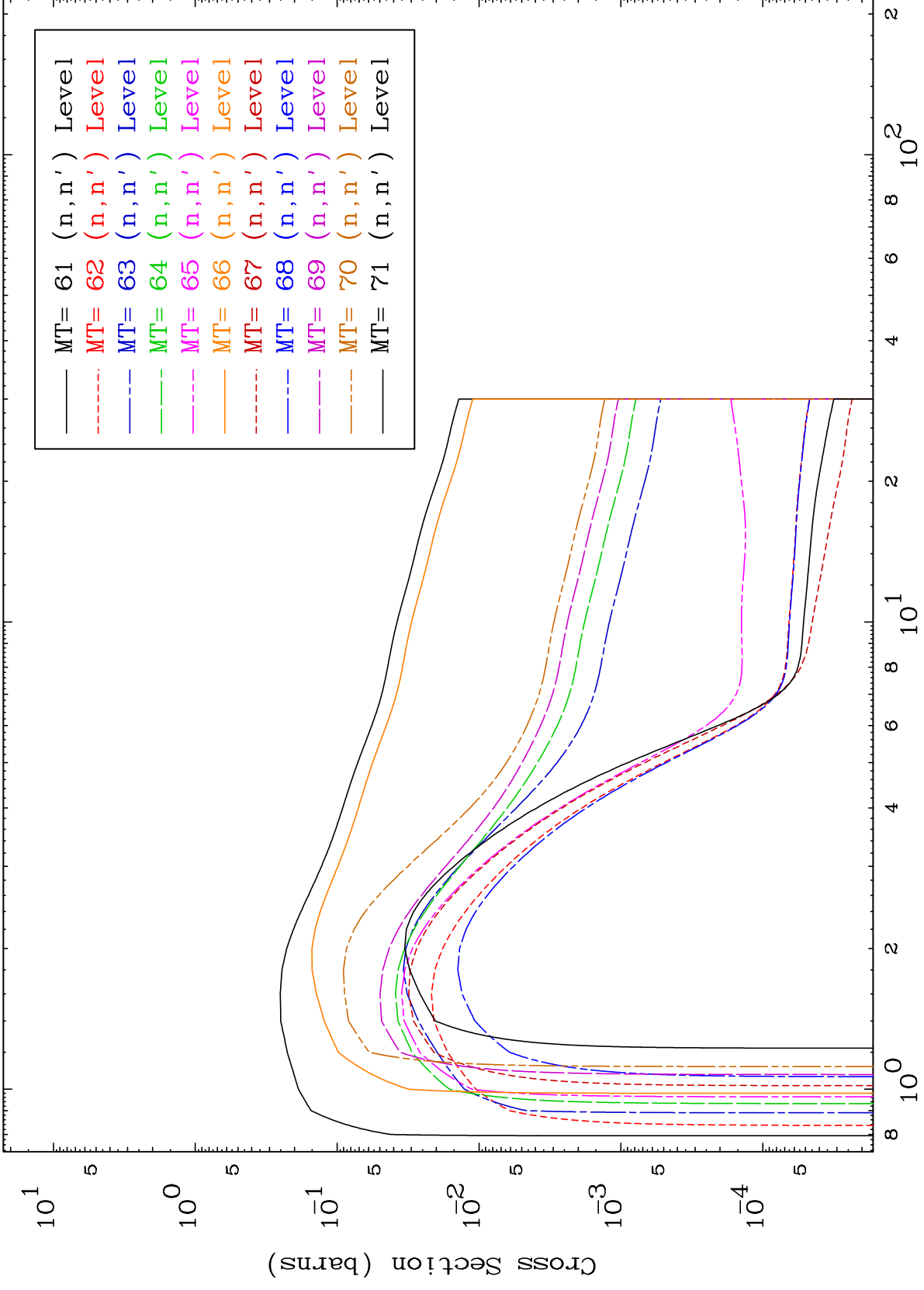


MAT 5740

(n,n') Level

57-La-143

293 Kelvin Cross Sections



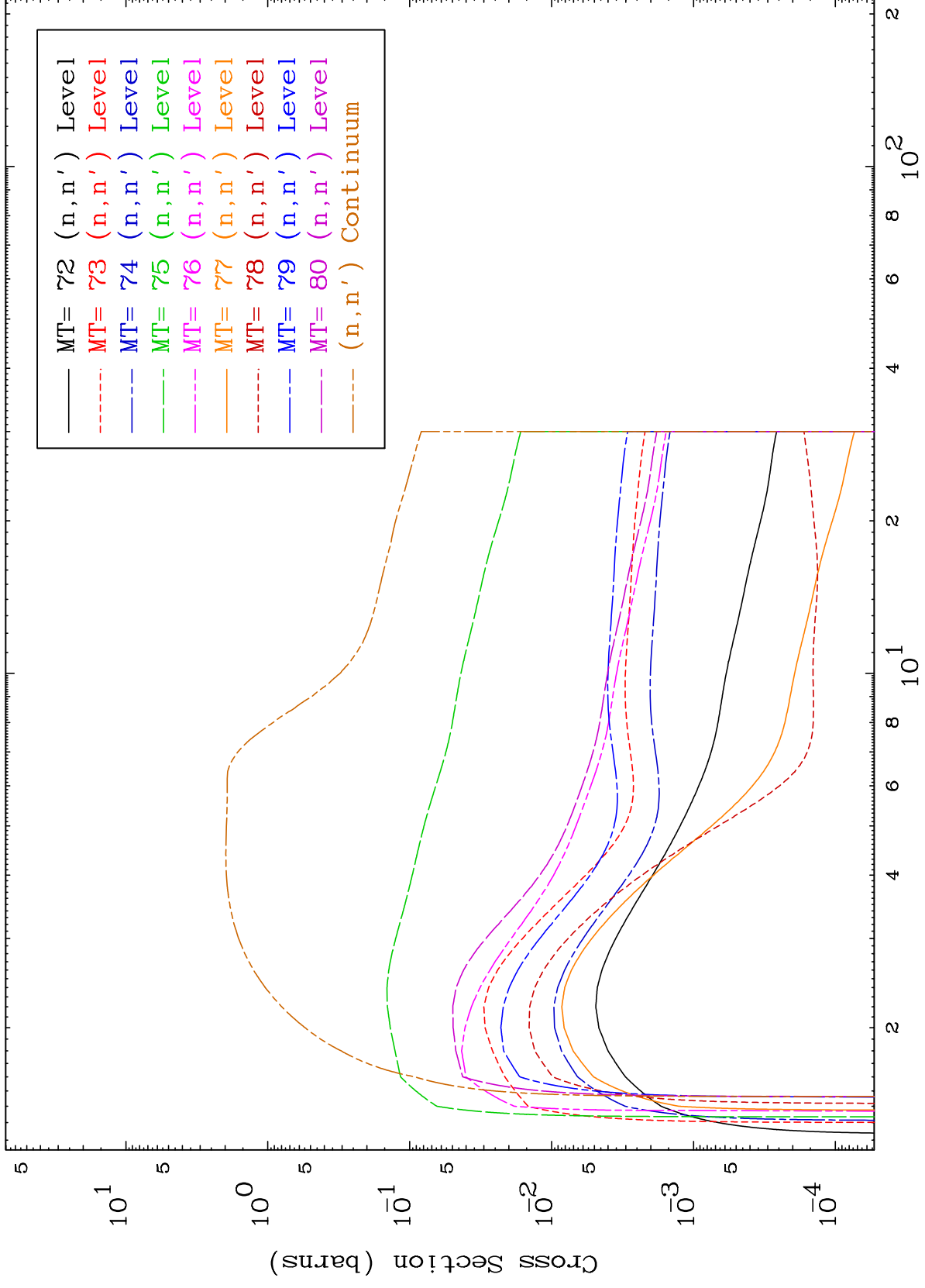
Line Style	MT	Level	Level
Solid	61	(n,n')	Level
Dashed	62	(n,n')	Level
Dashed	63	(n,n')	Level
Dashed	64	(n,n')	Level
Dashed	65	(n,n')	Level
Solid	66	(n,n')	Level
Dashed	67	(n,n')	Level
Dashed	68	(n,n')	Level
Dashed	69	(n,n')	Level
Dashed	70	(n,n')	Level
Solid	71	(n,n')	Level

8

Incident Energy (MeV)

57-La-143

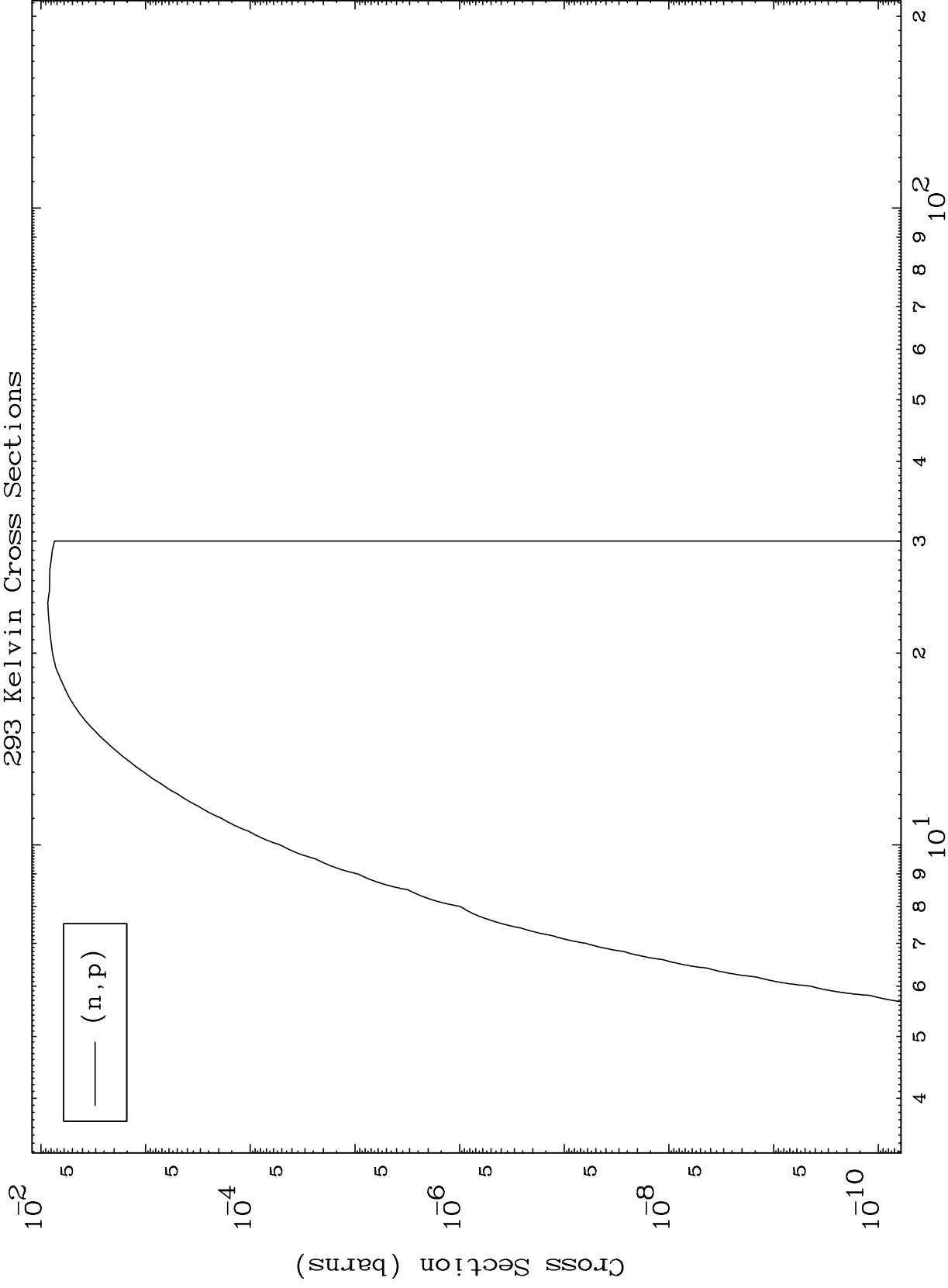
293 Kelvin Cross Sections



MAT 5740

(n,p) Levels
293 Kelvin Cross Sections

57-La-143



10

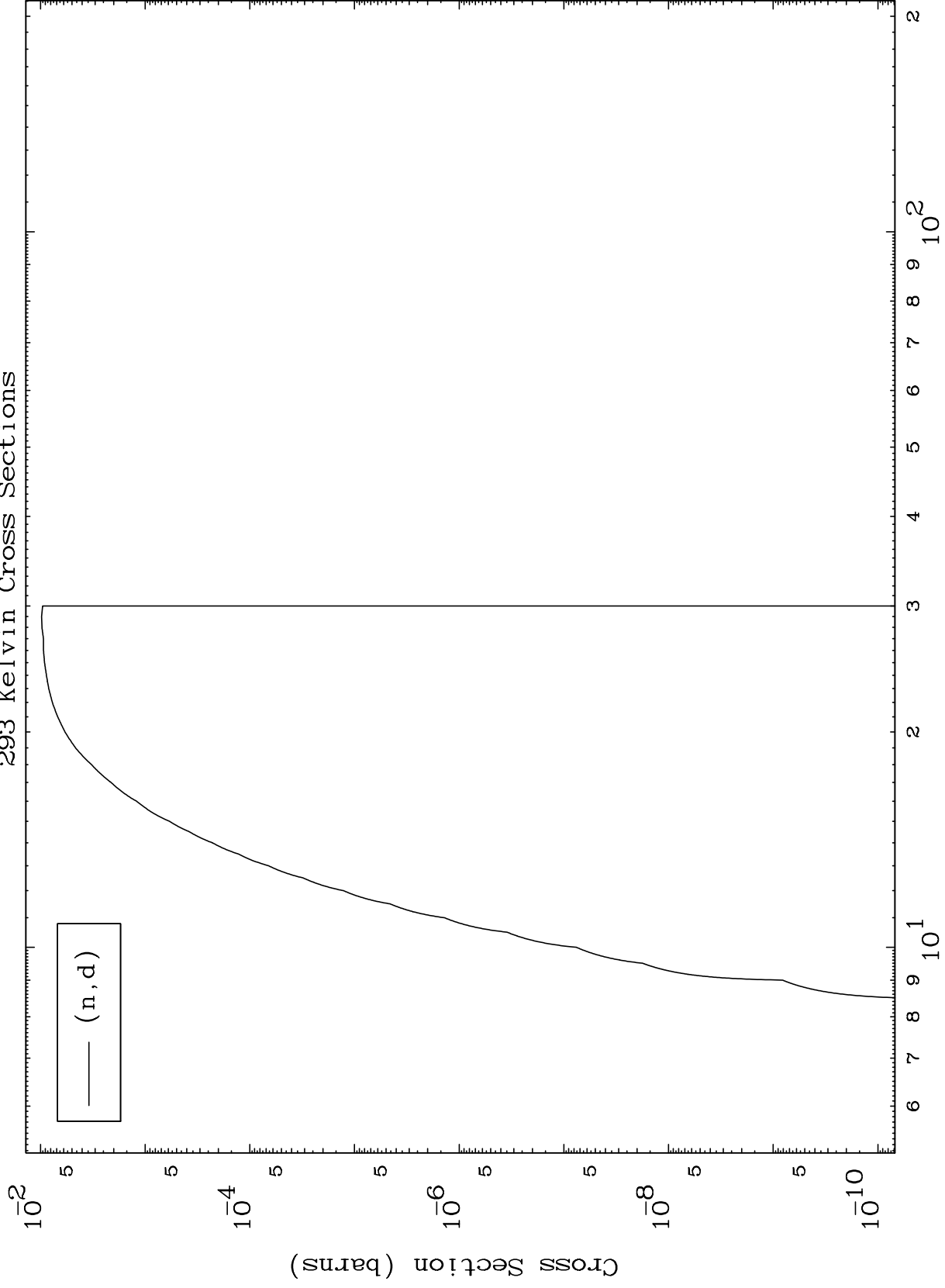
Incident Energy (MeV)

57-La-143

MAT 5740

(n,d) Levels
293 Kelvin Cross Sections

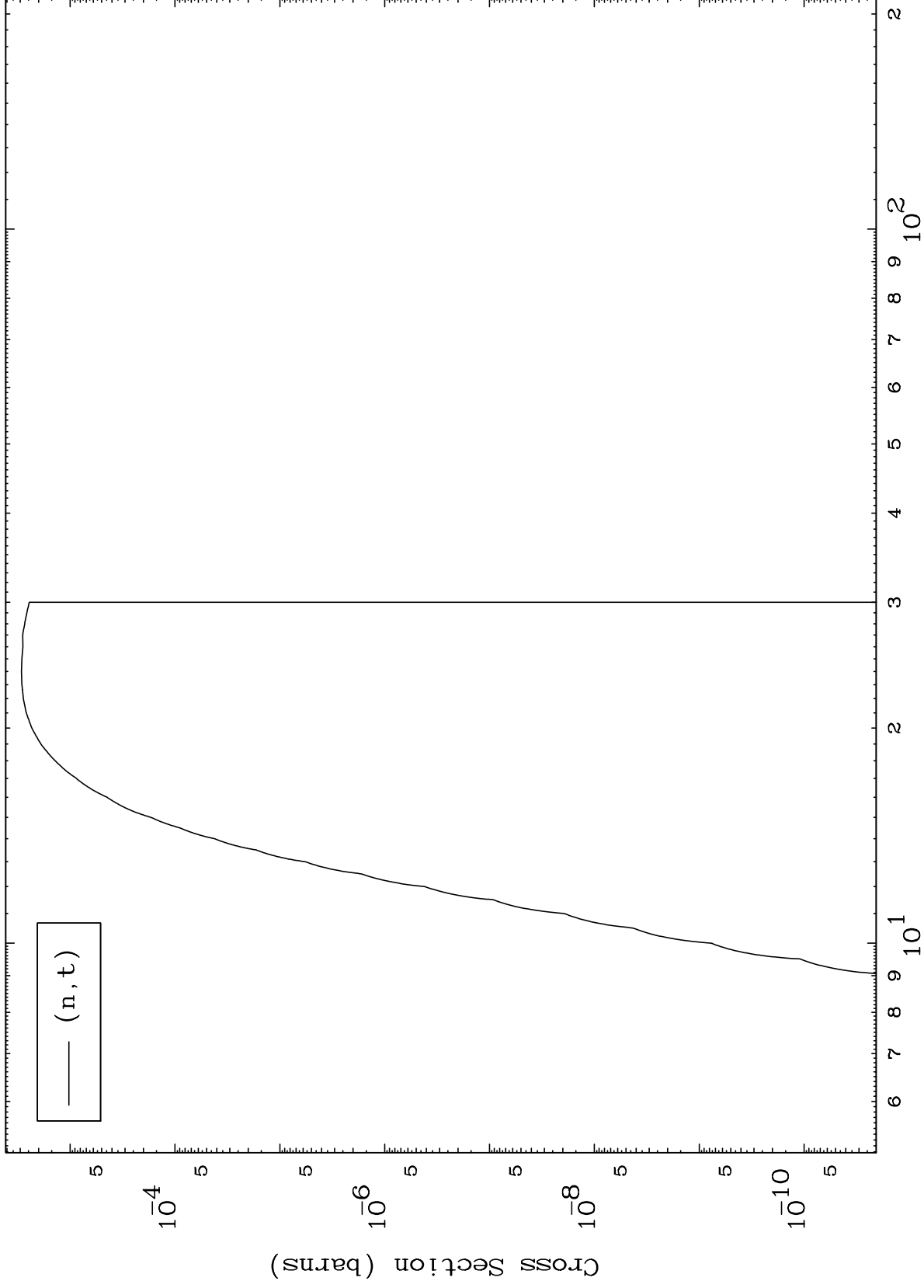
57-La-143



MAT 5740

(n,t) Levels
293 Kelvin Cross Sections

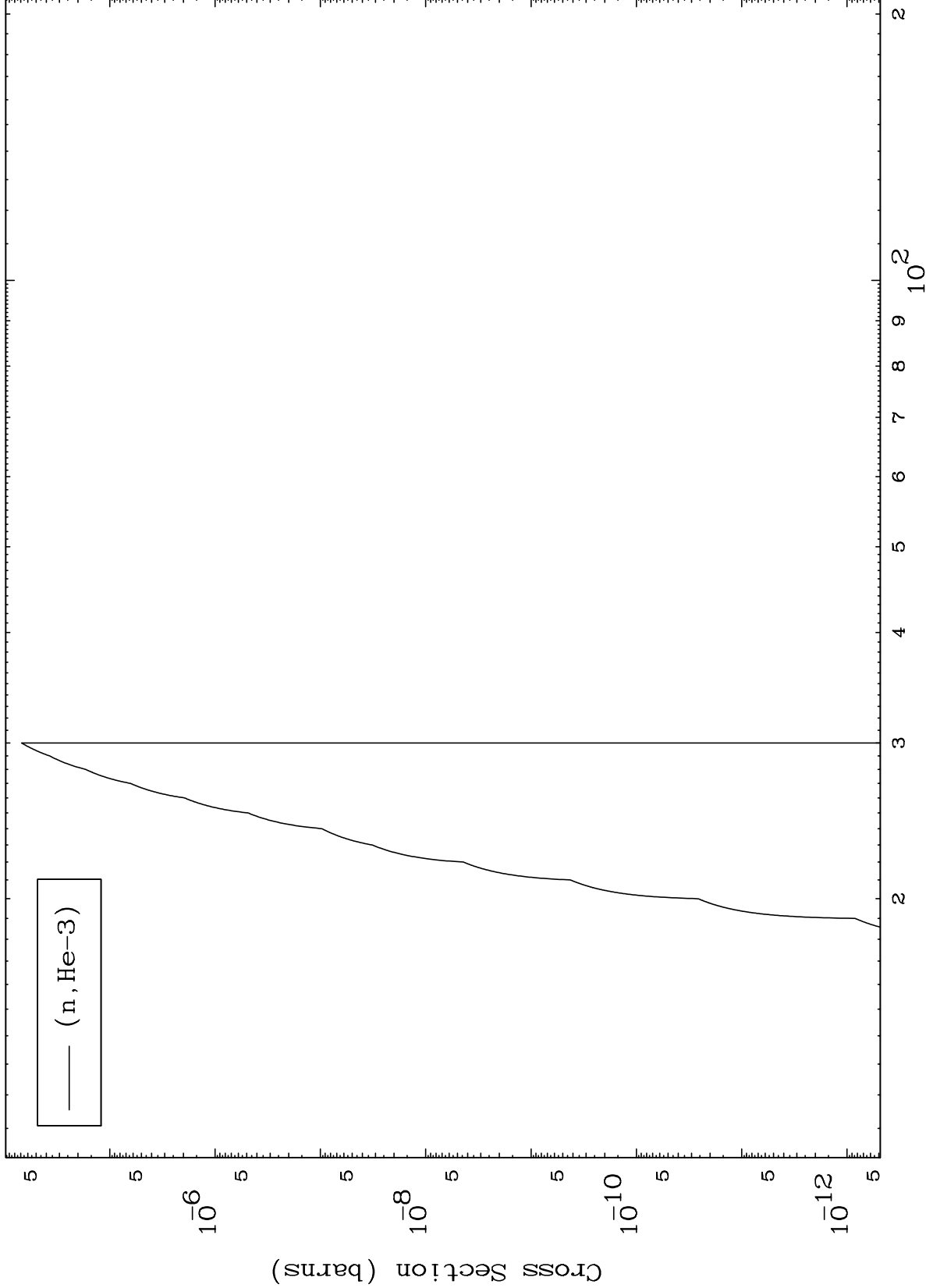
57-La-143



12

Incident Energy (MeV)

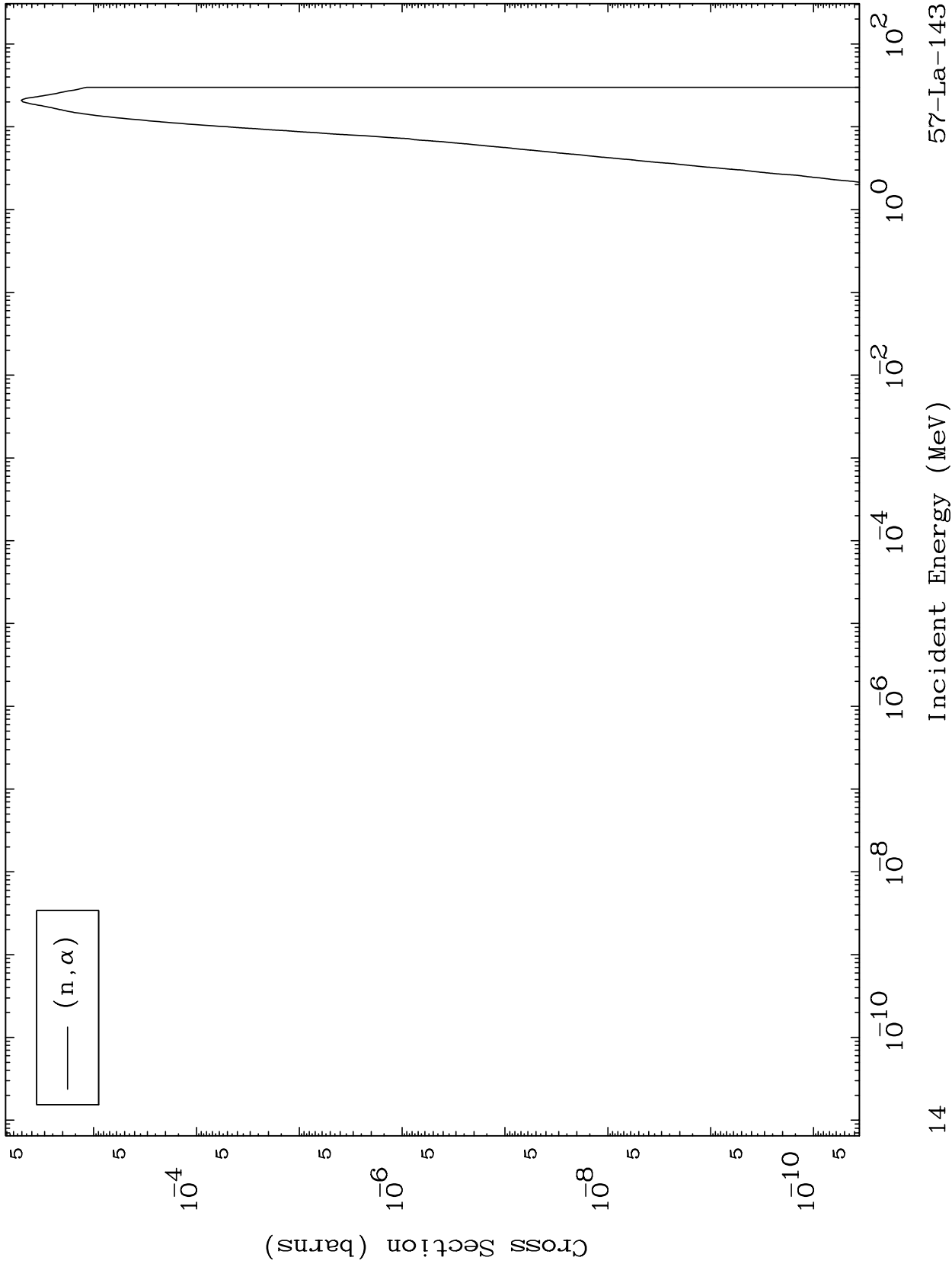
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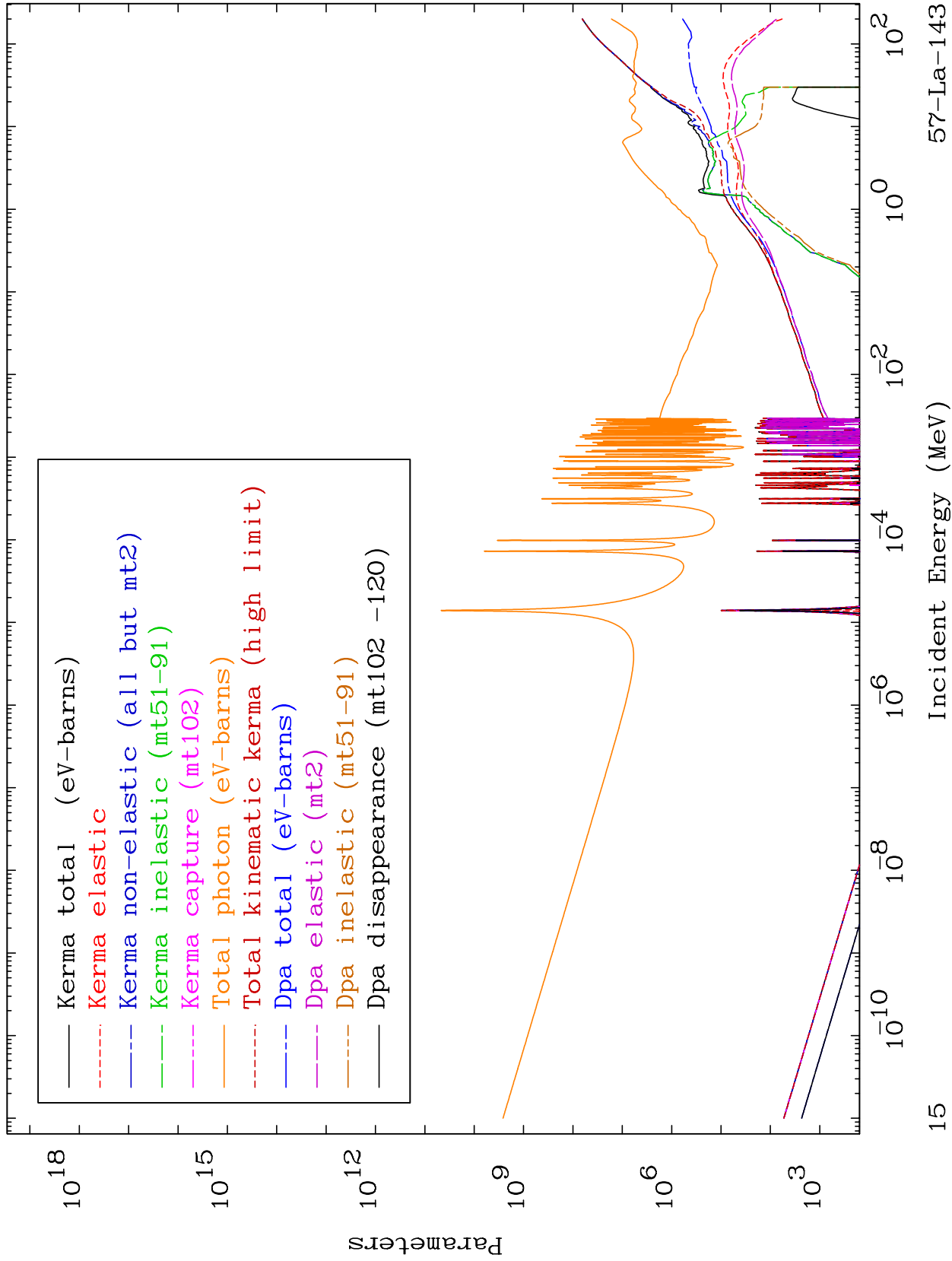


MAT 5740

(n, α) Levels
293 Kelvin Cross Sections

57-La-143

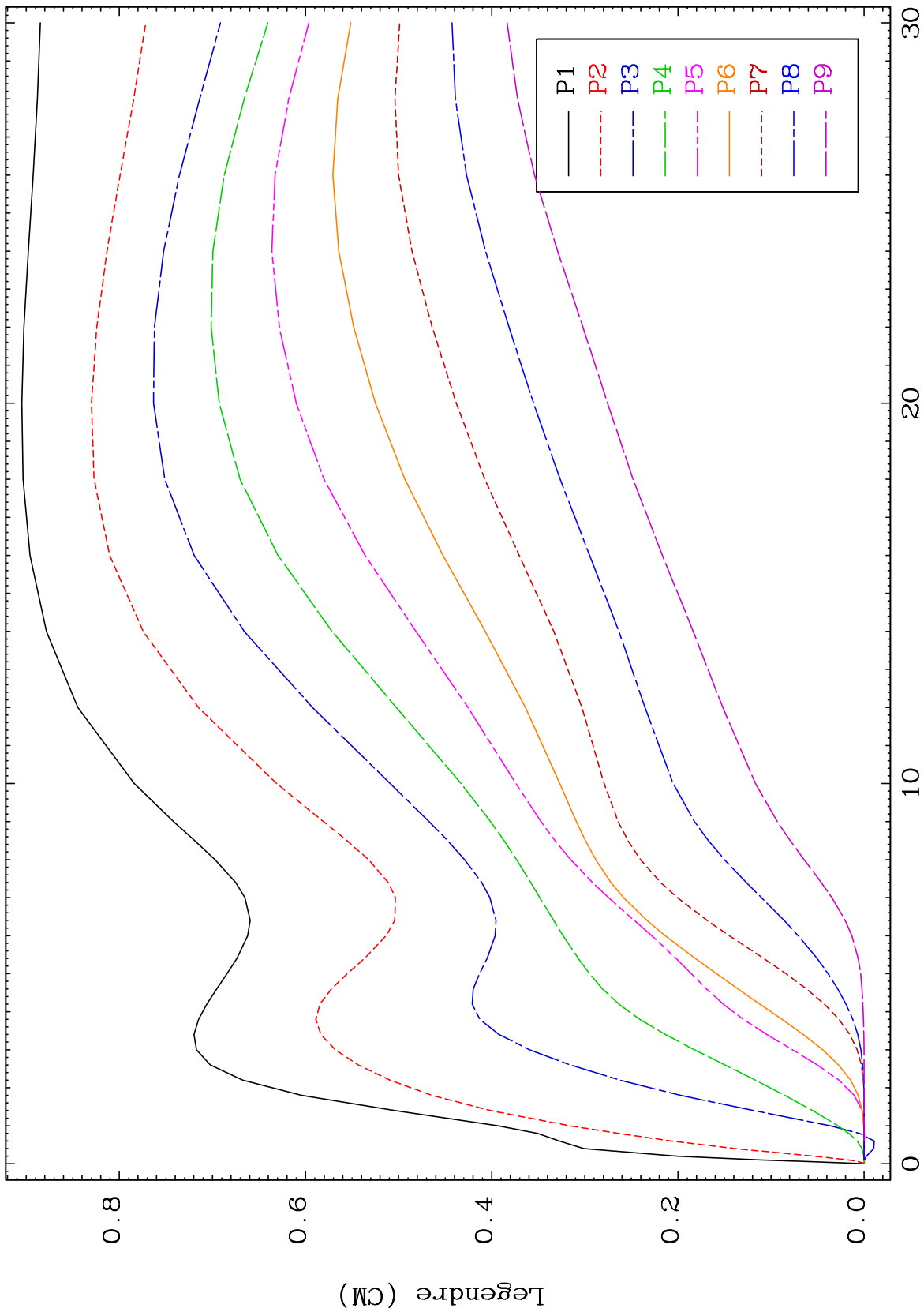




MAT 5740

Elastic Legendre Coefficients

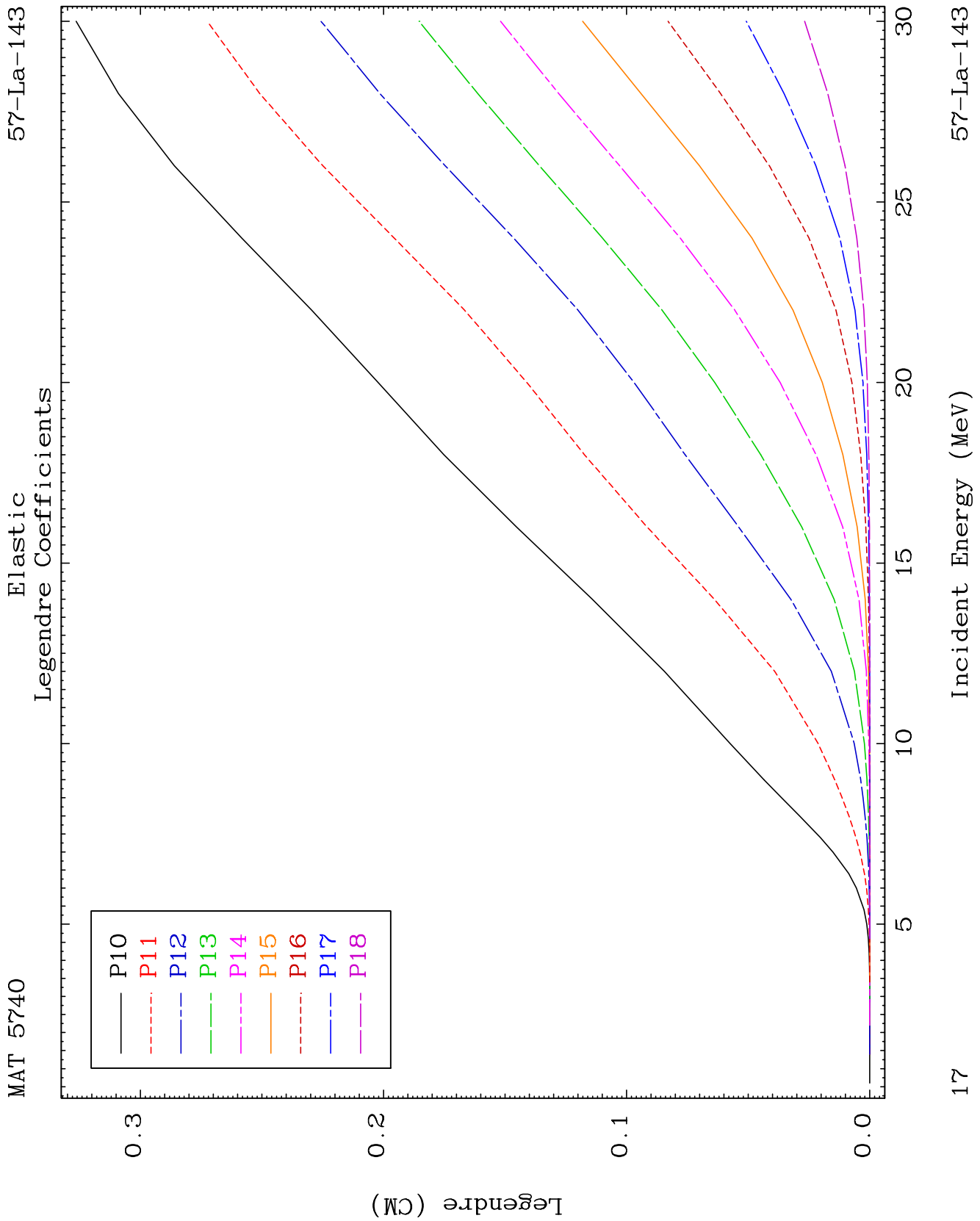
57-La-143



16

Incident Energy (MeV)

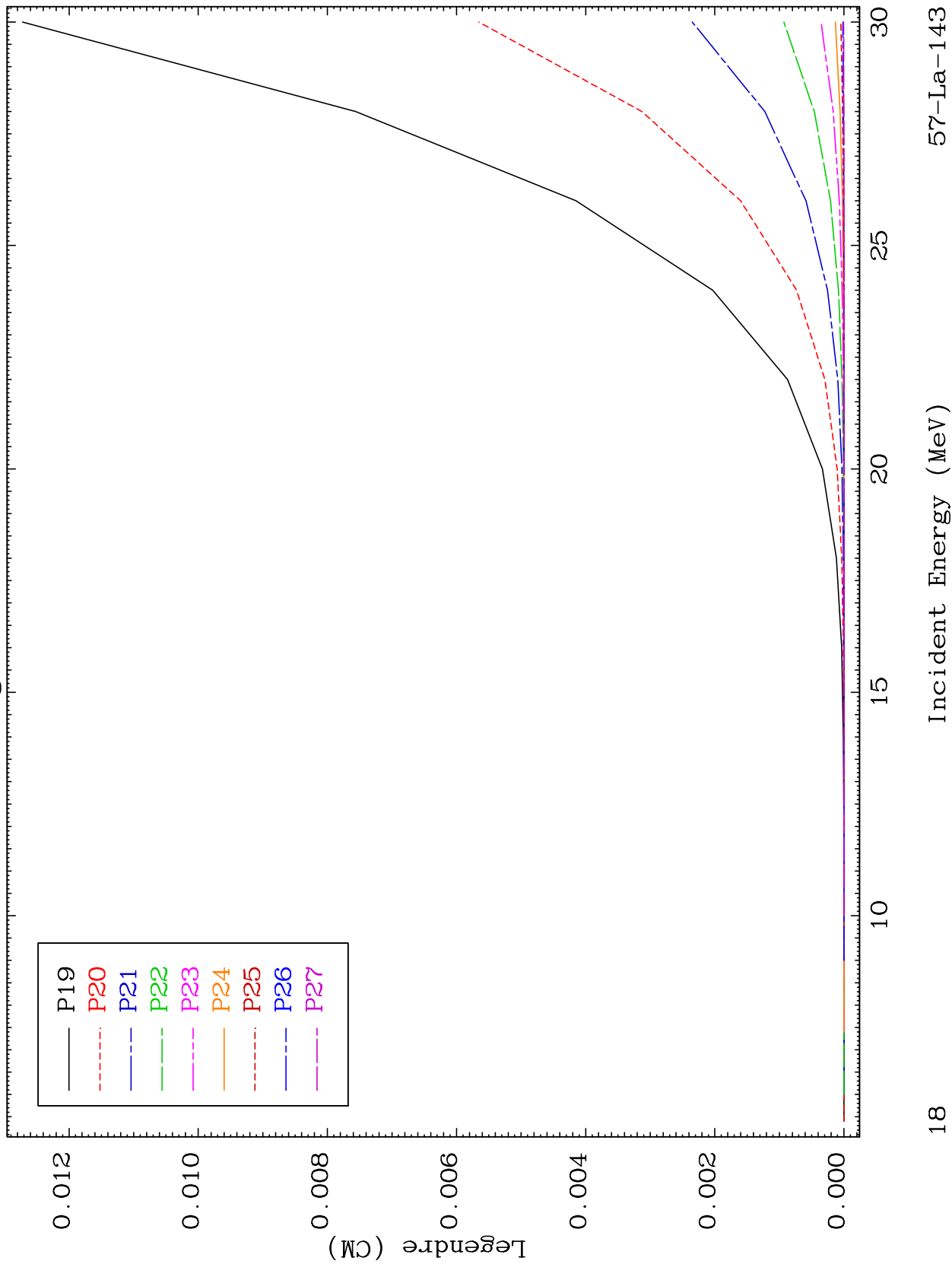
57-La-143



MAT 5740

Elastic Legendre Coefficients

57-La-143



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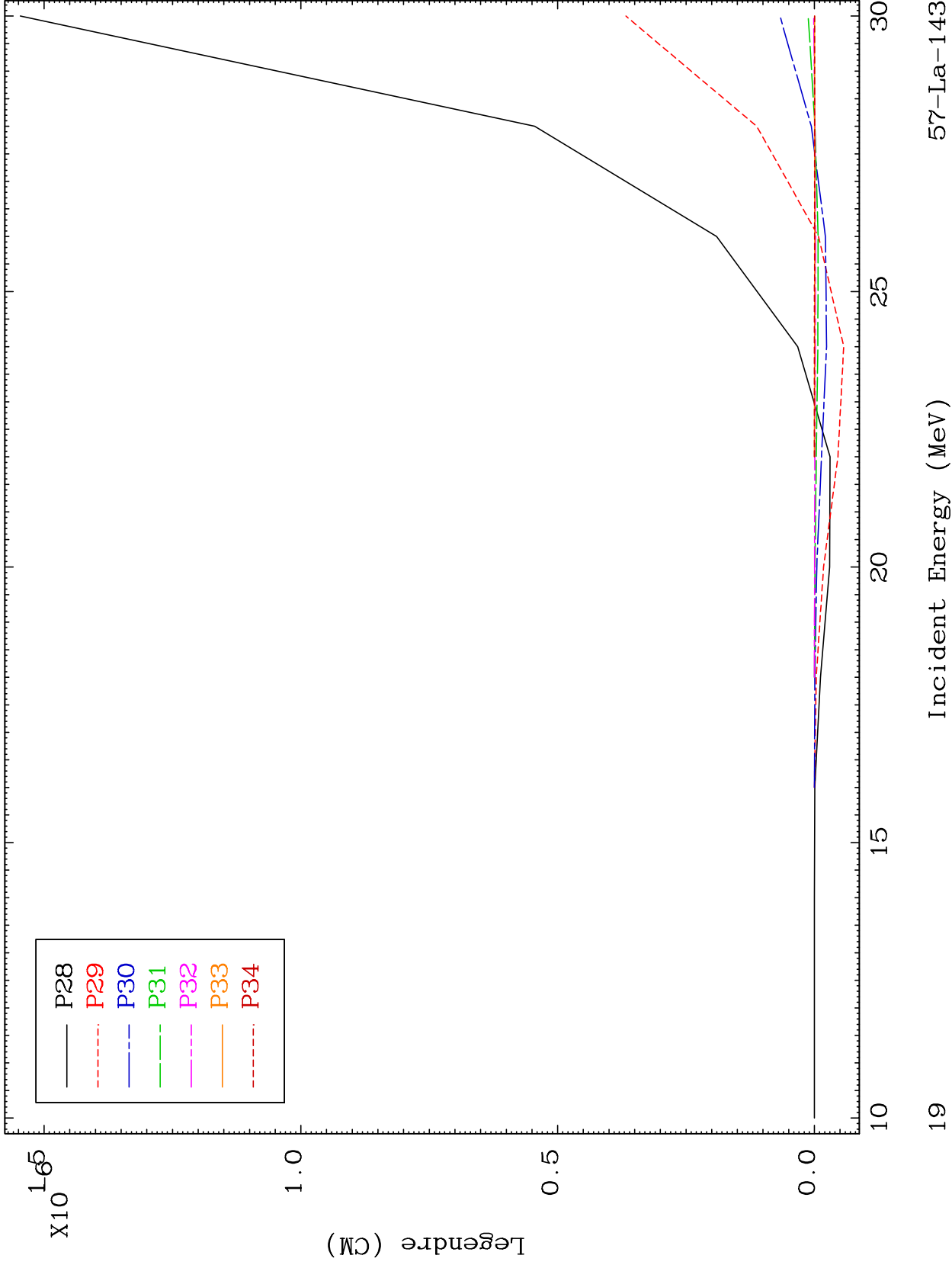
Incident Energy (MeV)

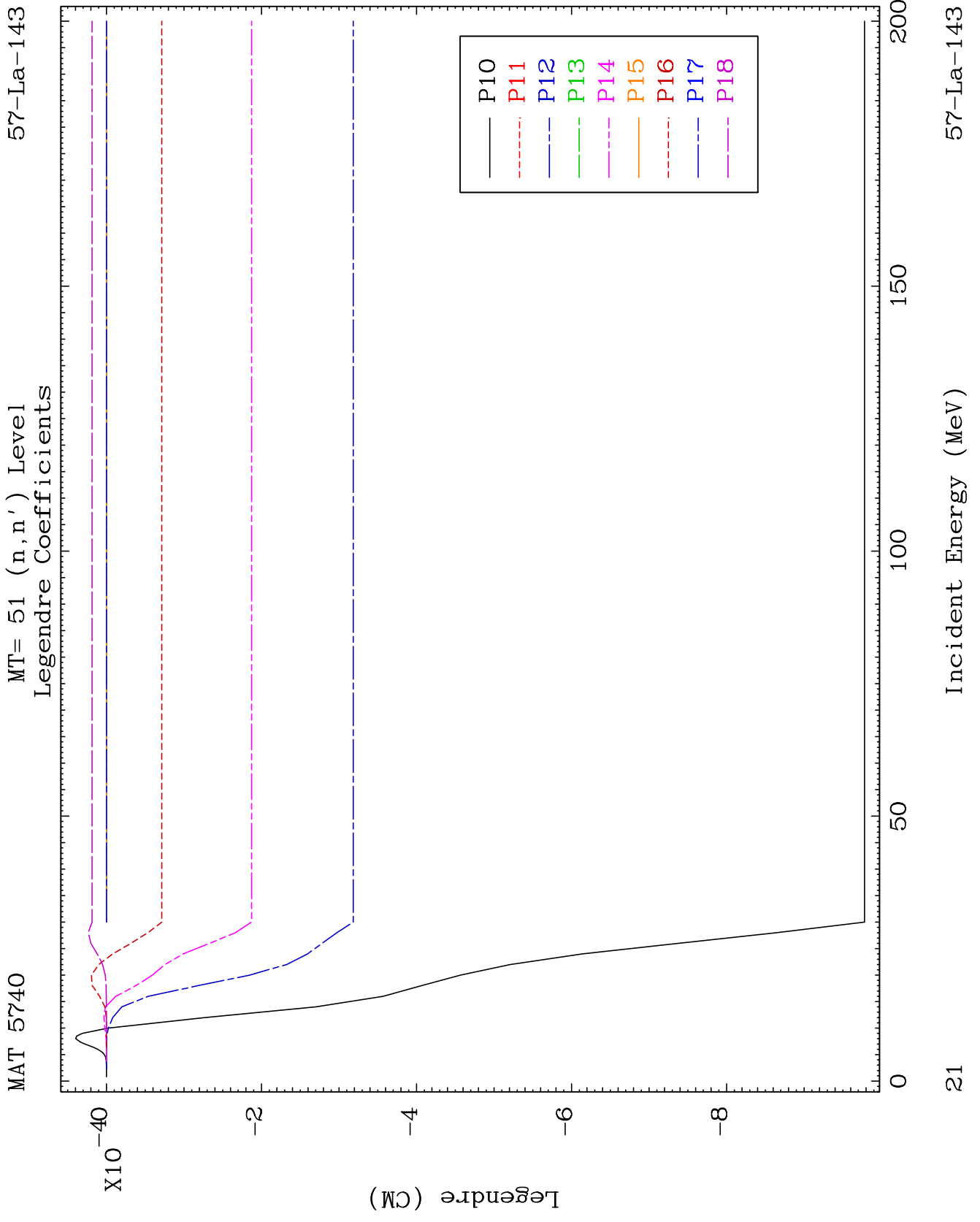
57-La-143

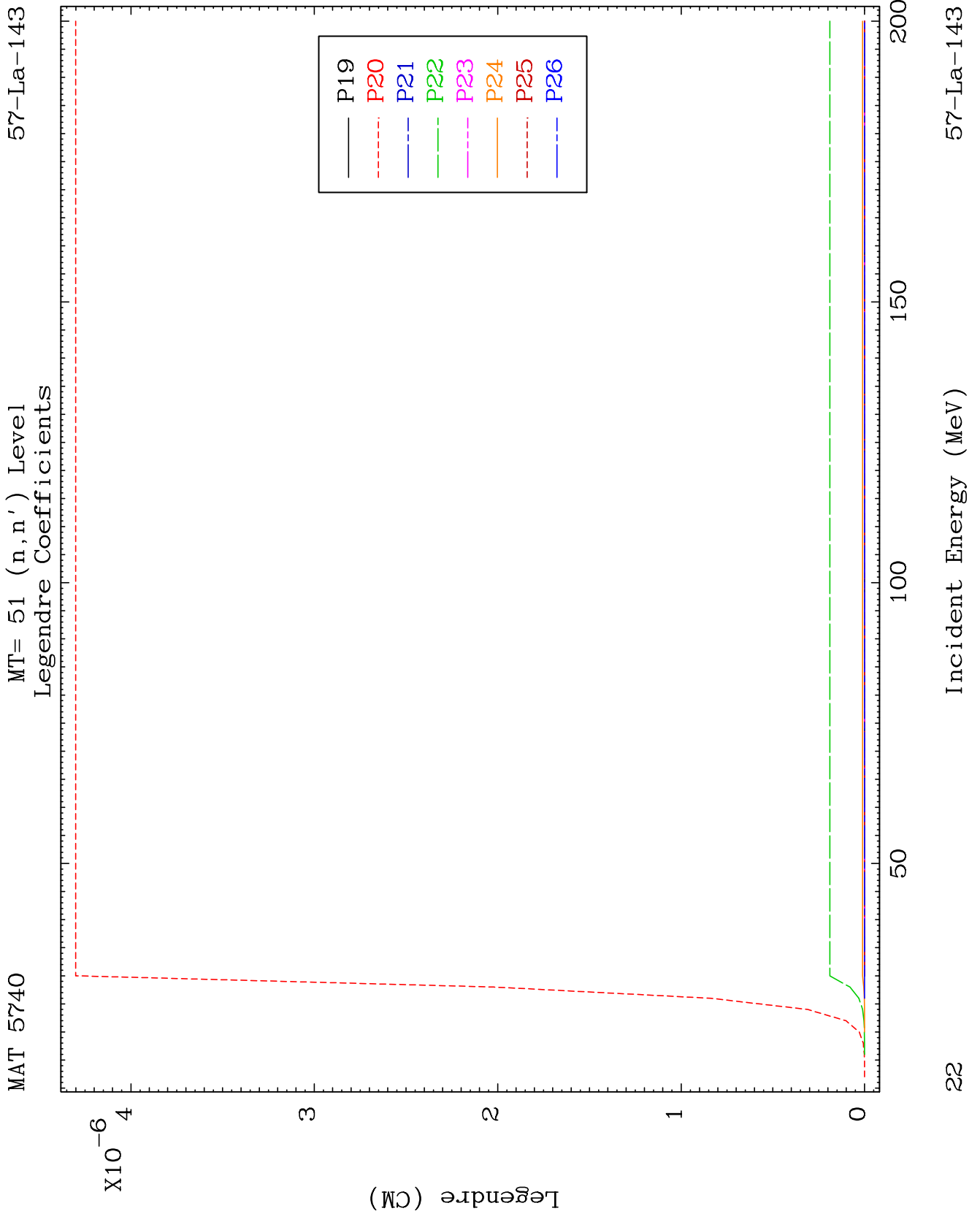
MAT 5740

Elastic
Legendre Coefficients

57-La-143



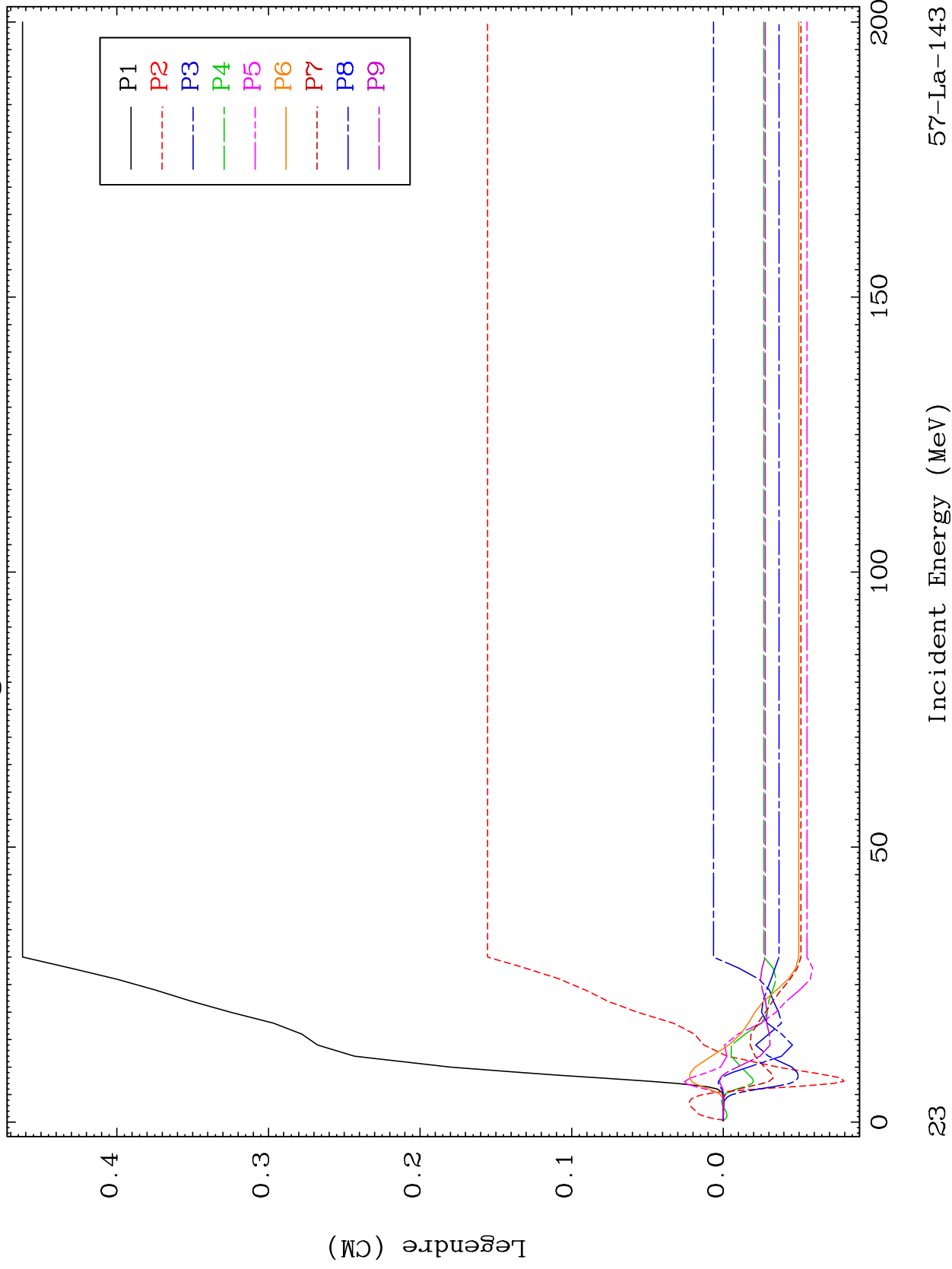




MAT 5740

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

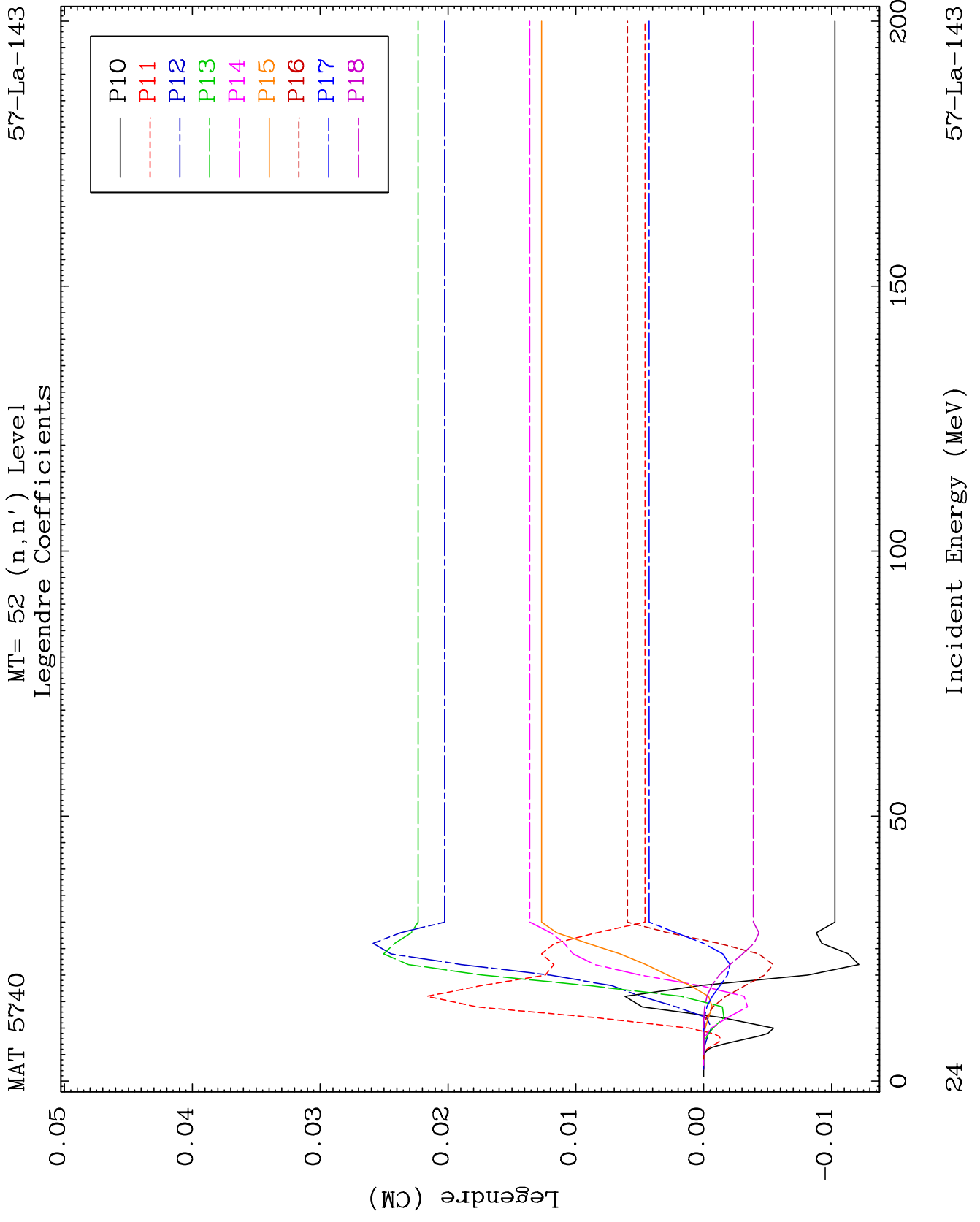
57-La-143



57-La-143

Incident Energy (MeV)

23



57-La-143

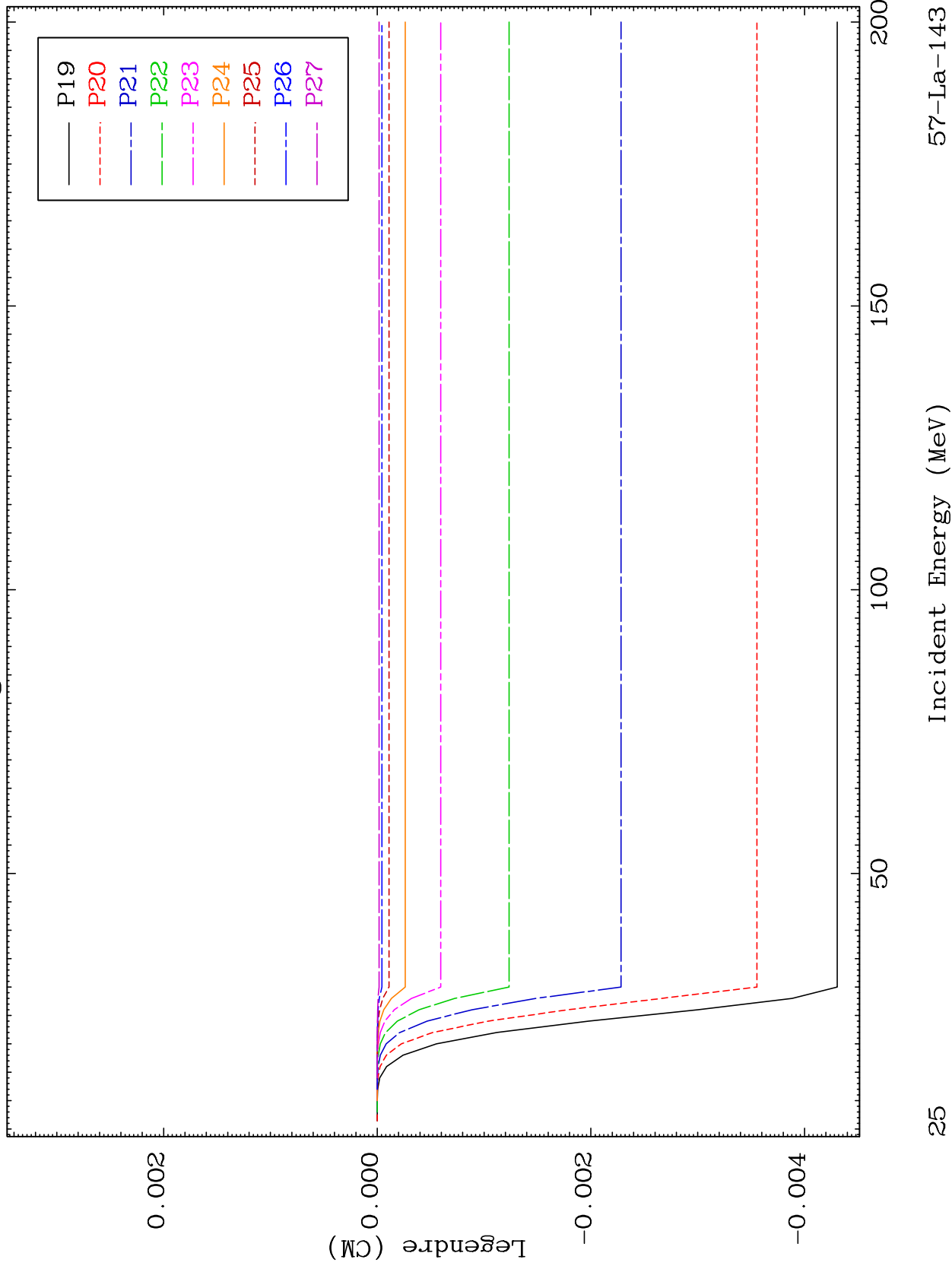
Incident Energy (MeV)

24

MAT 5740

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

57-La-143



57-La-143

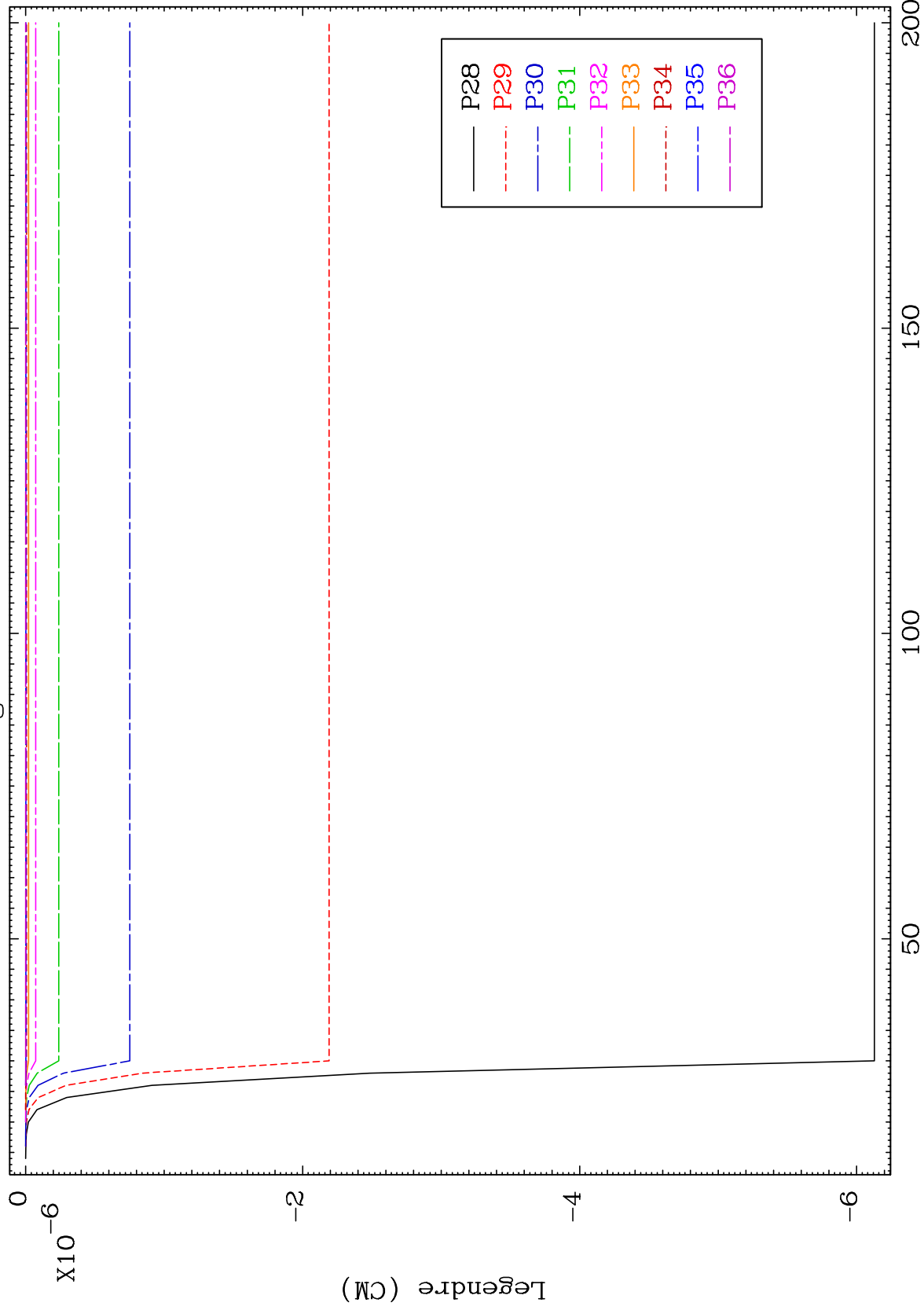
Incident Energy (MeV)

25

MAT 5740

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

57-La-143



26

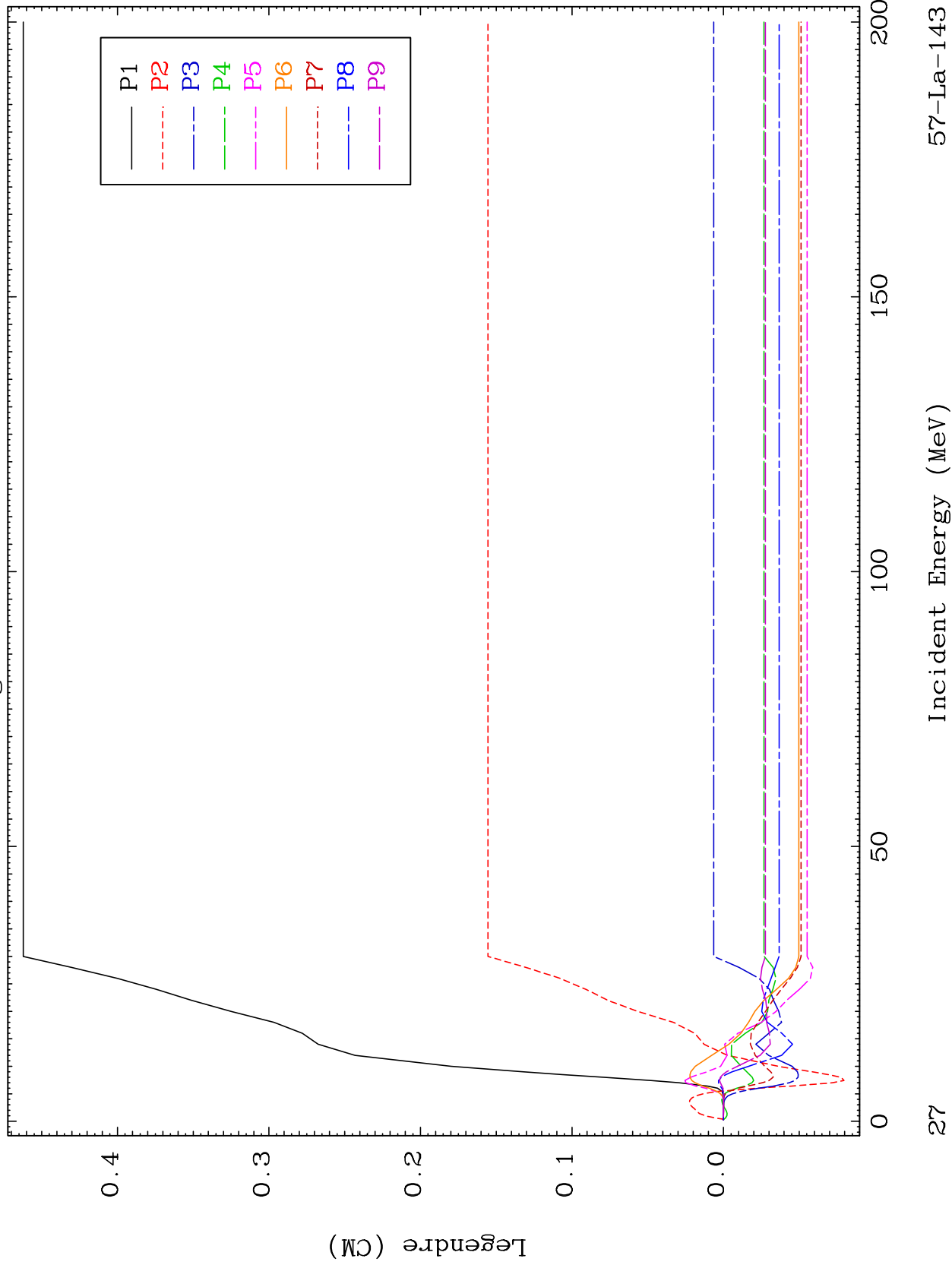
Incident Energy (MeV)

57-La-143

MAT 5740

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

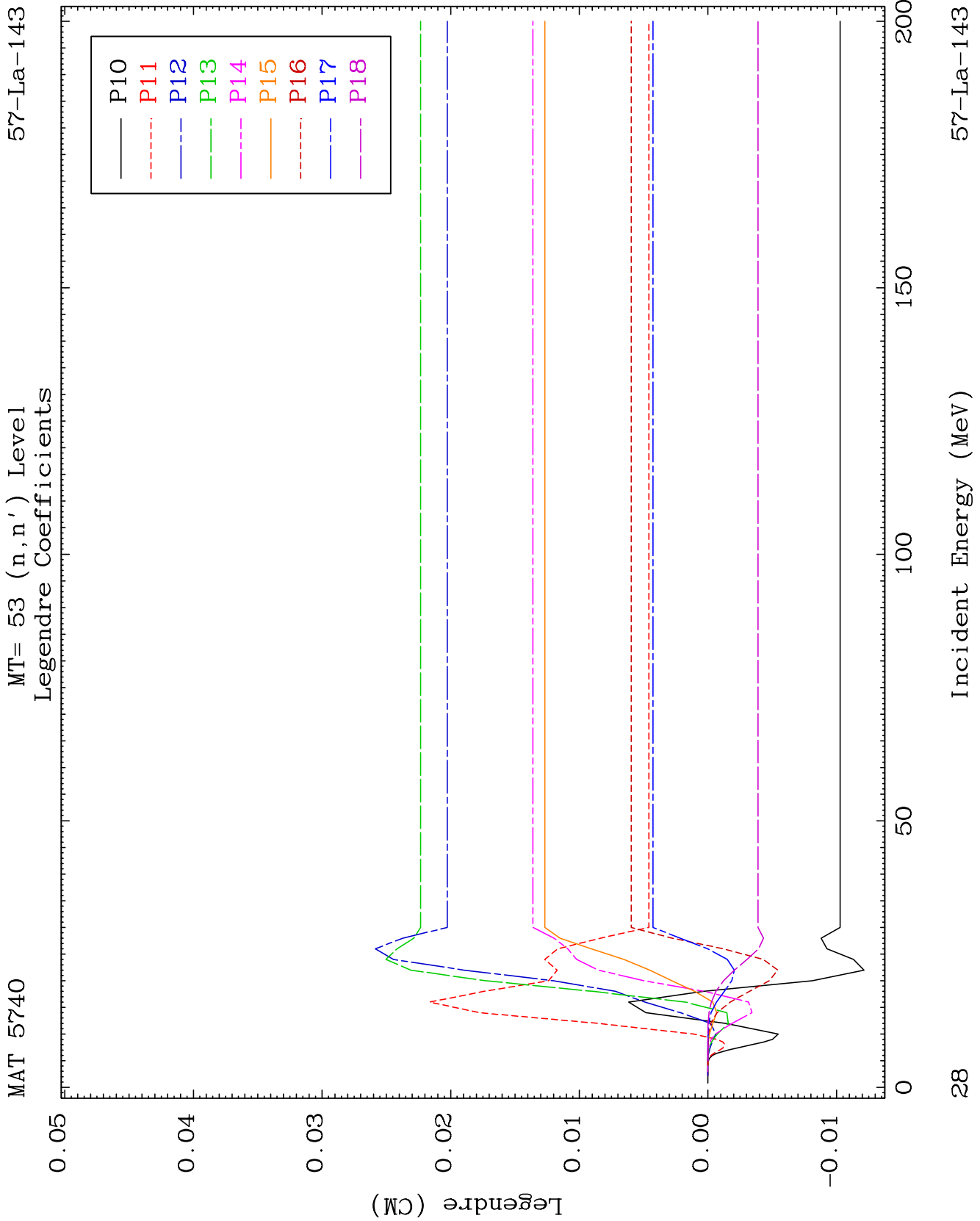
57-La-143



57-La-143

Incident Energy (MeV)

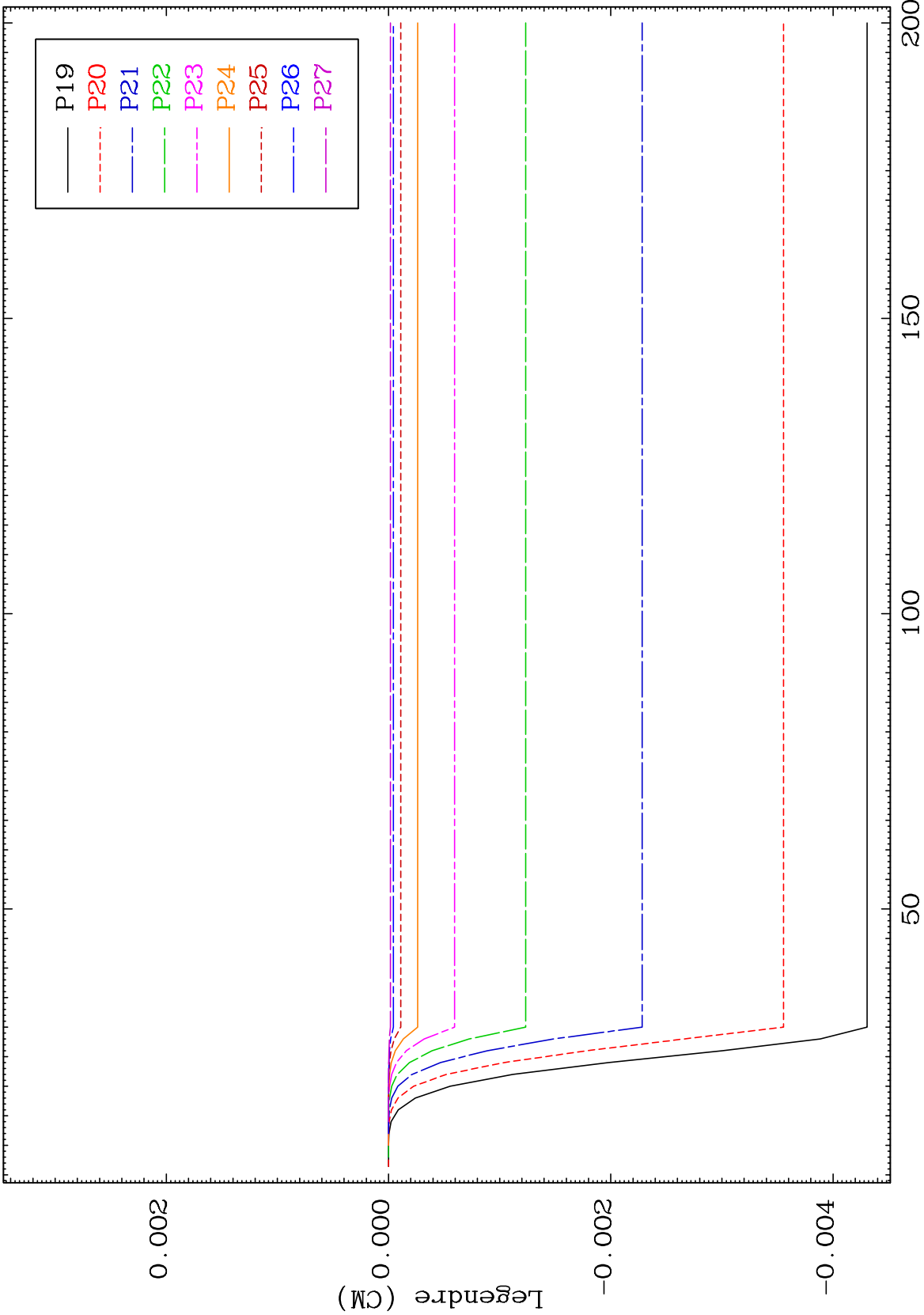
27



MAT 5740

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

57-La-143

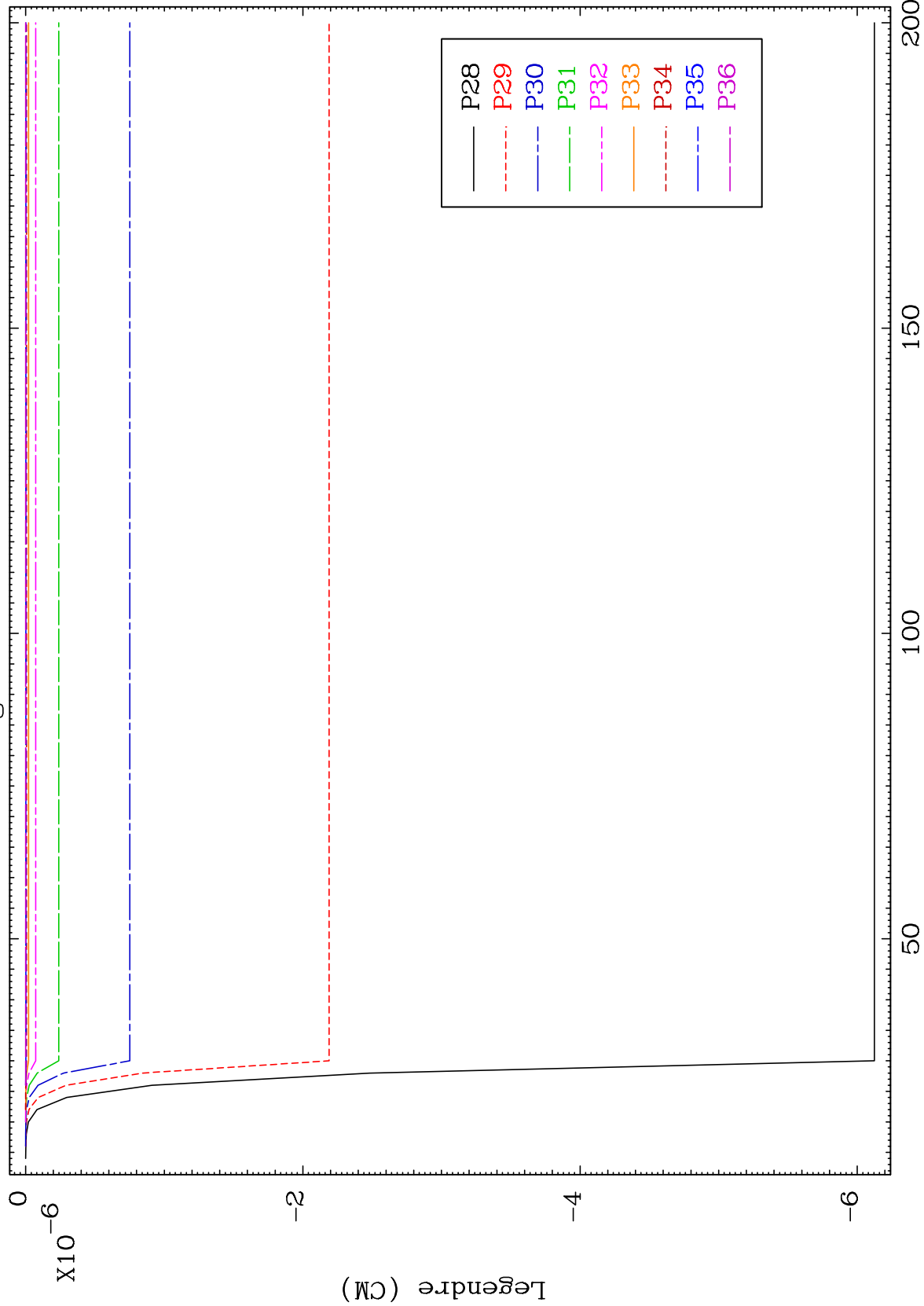


MAT 5740

MT= 53 (n,n') Level

57-La-143

Legendre Coefficients



57-La-143

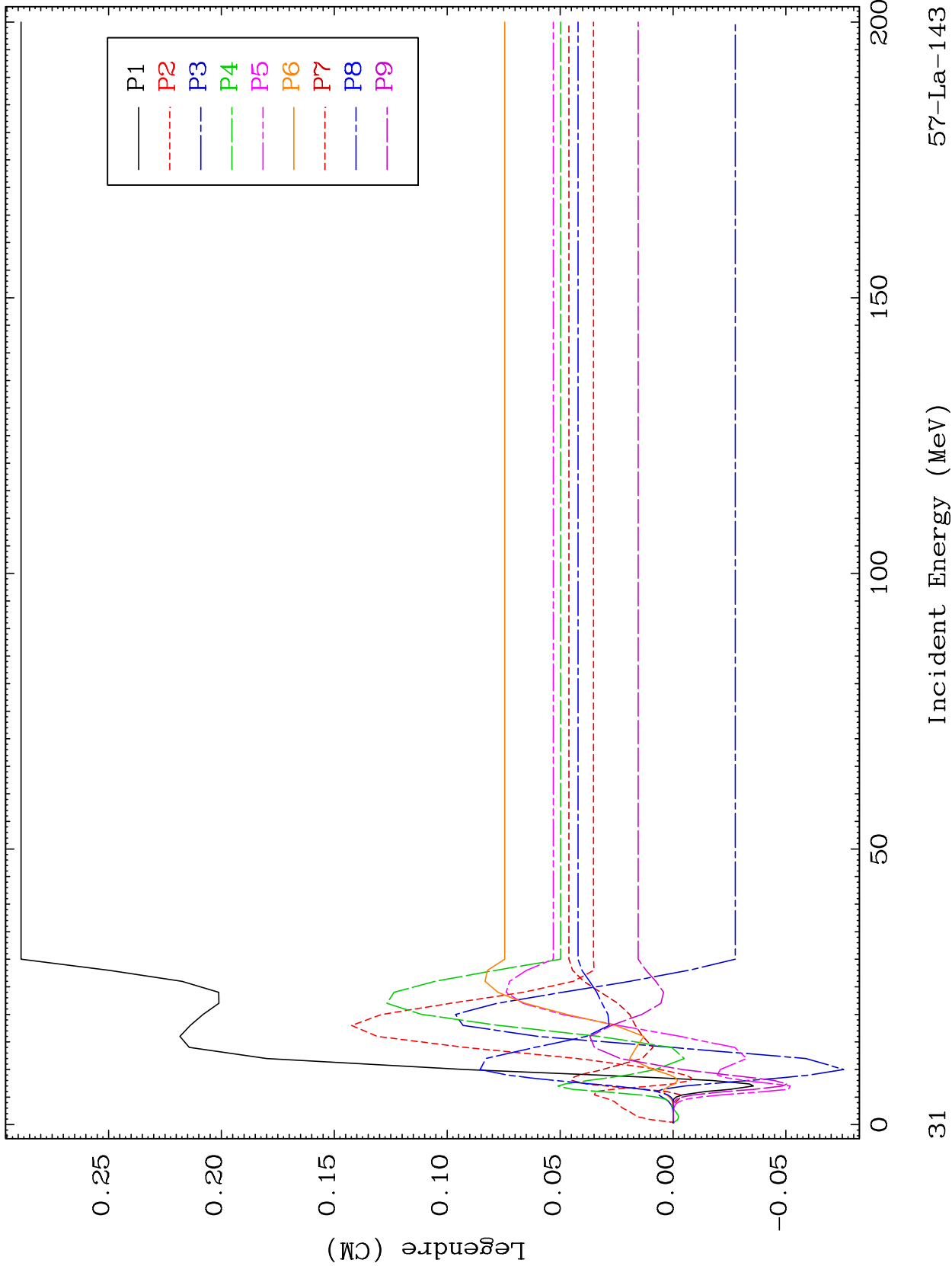
Incident Energy (MeV)

30

MAT 5740

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

57-La-143



57-La-143

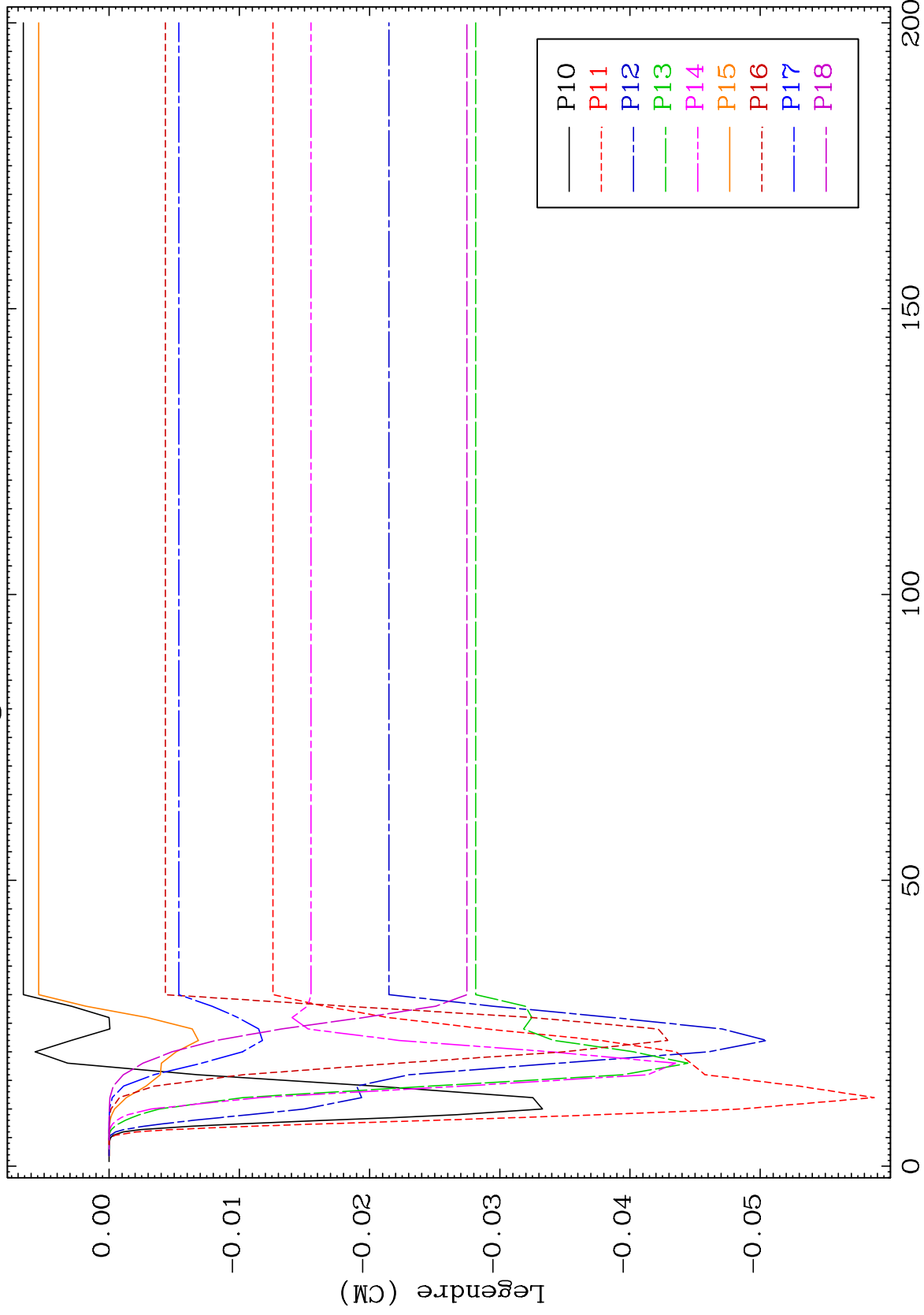
Incident Energy (MeV)

31

MAT 5740

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

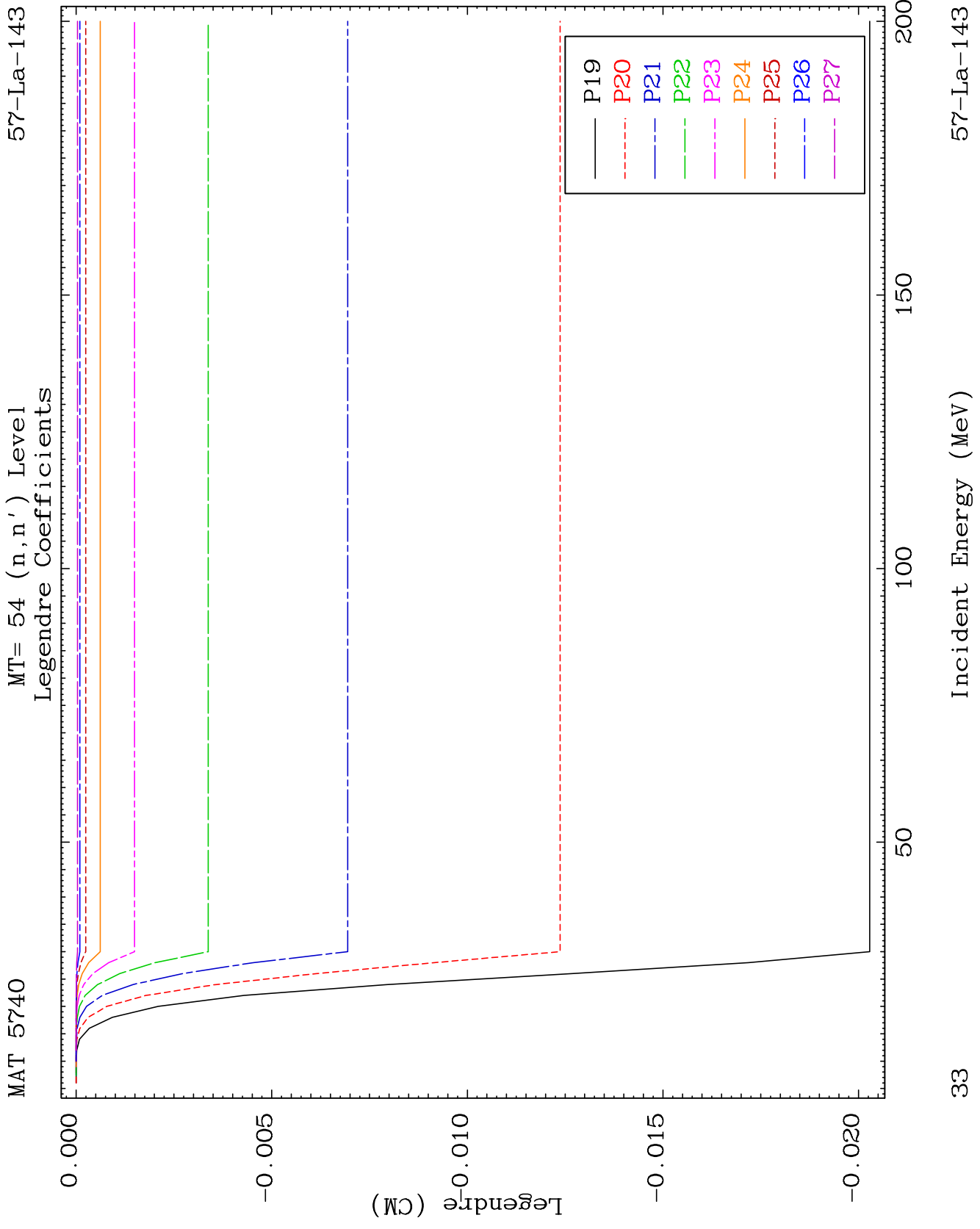
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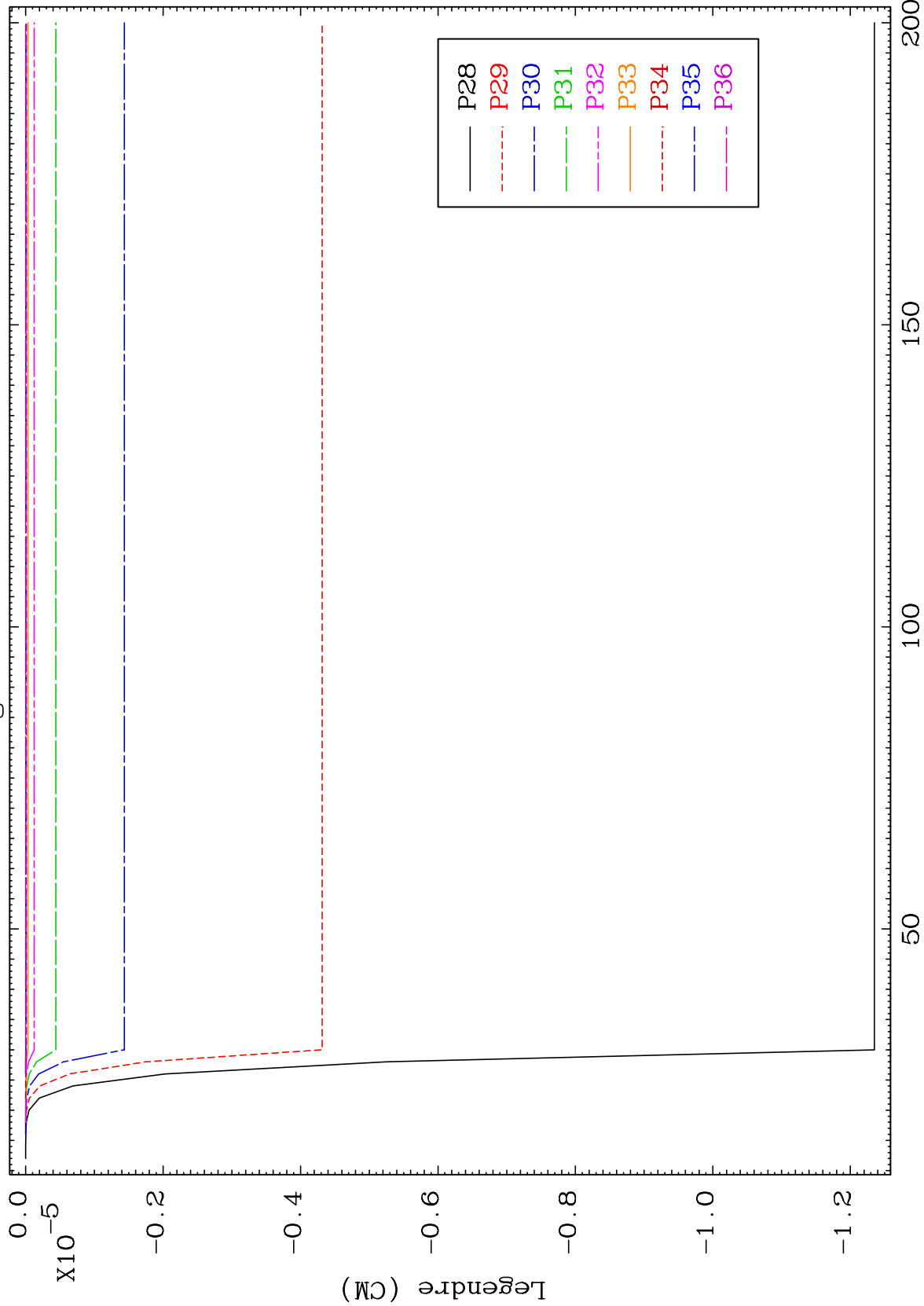


32

Incident Energy (MeV)

57-La-143

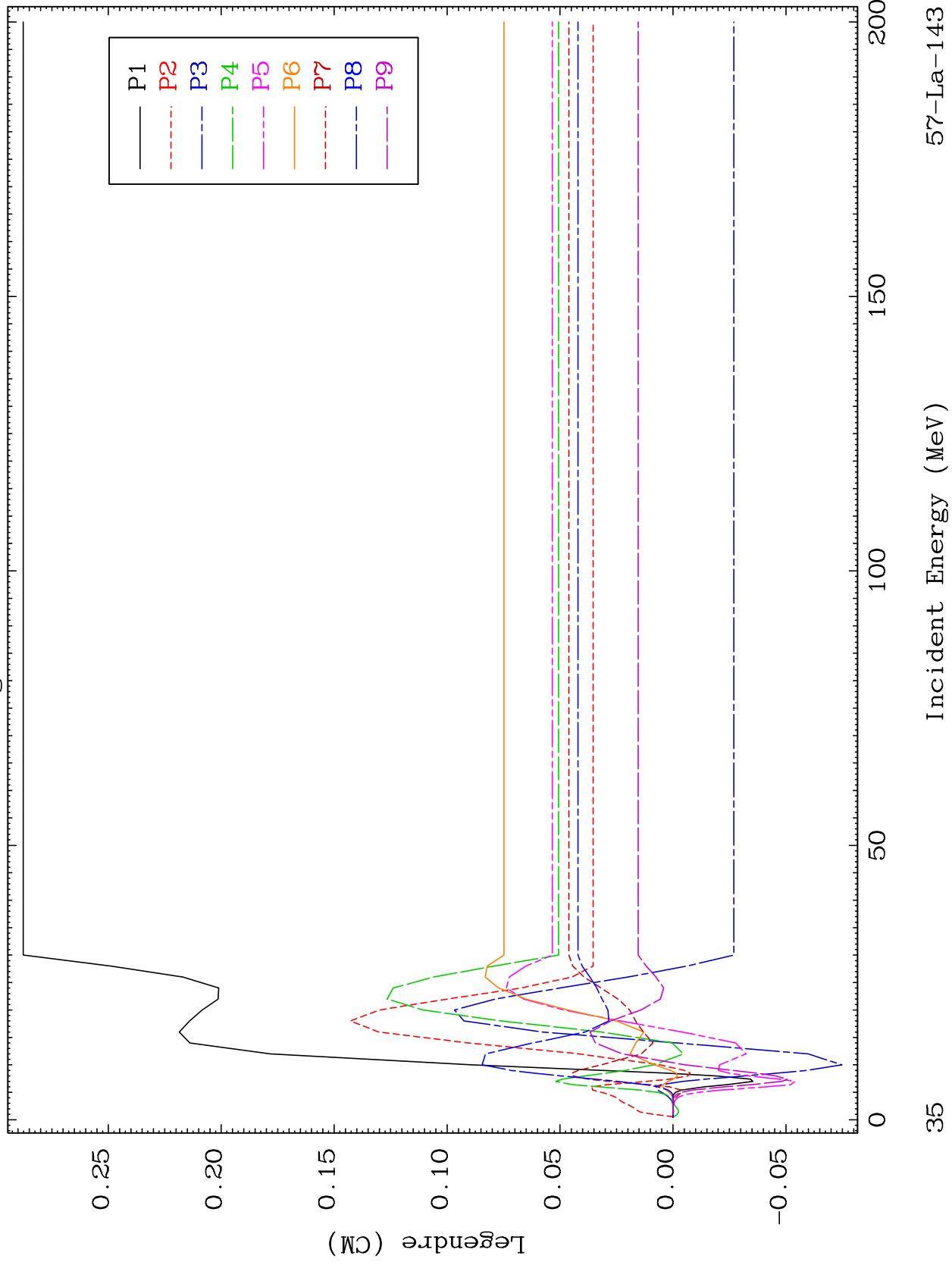




MAT 5740

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

57-La-143



57-La-143

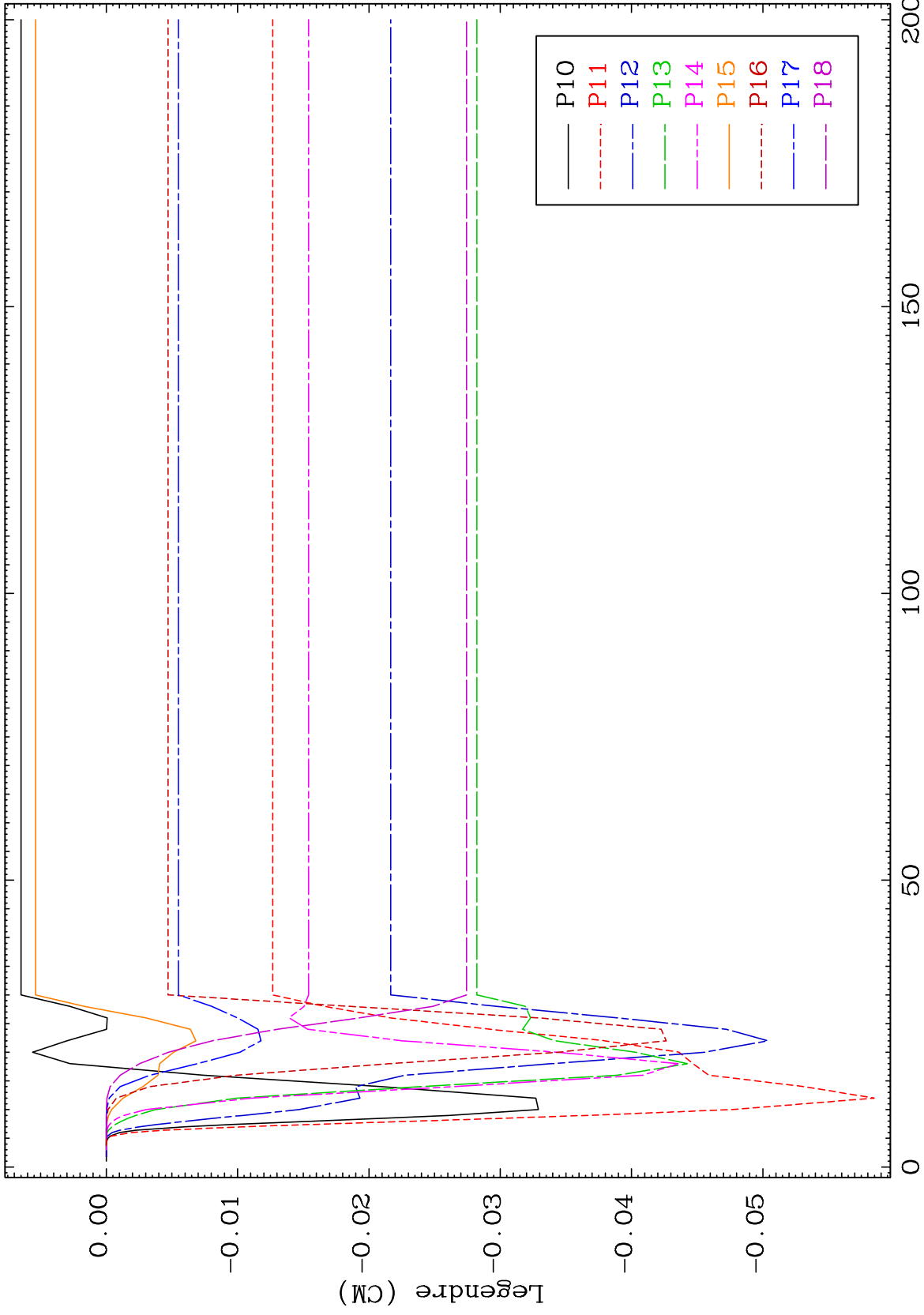
Incident Energy (MeV)

35

MAT 5740

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

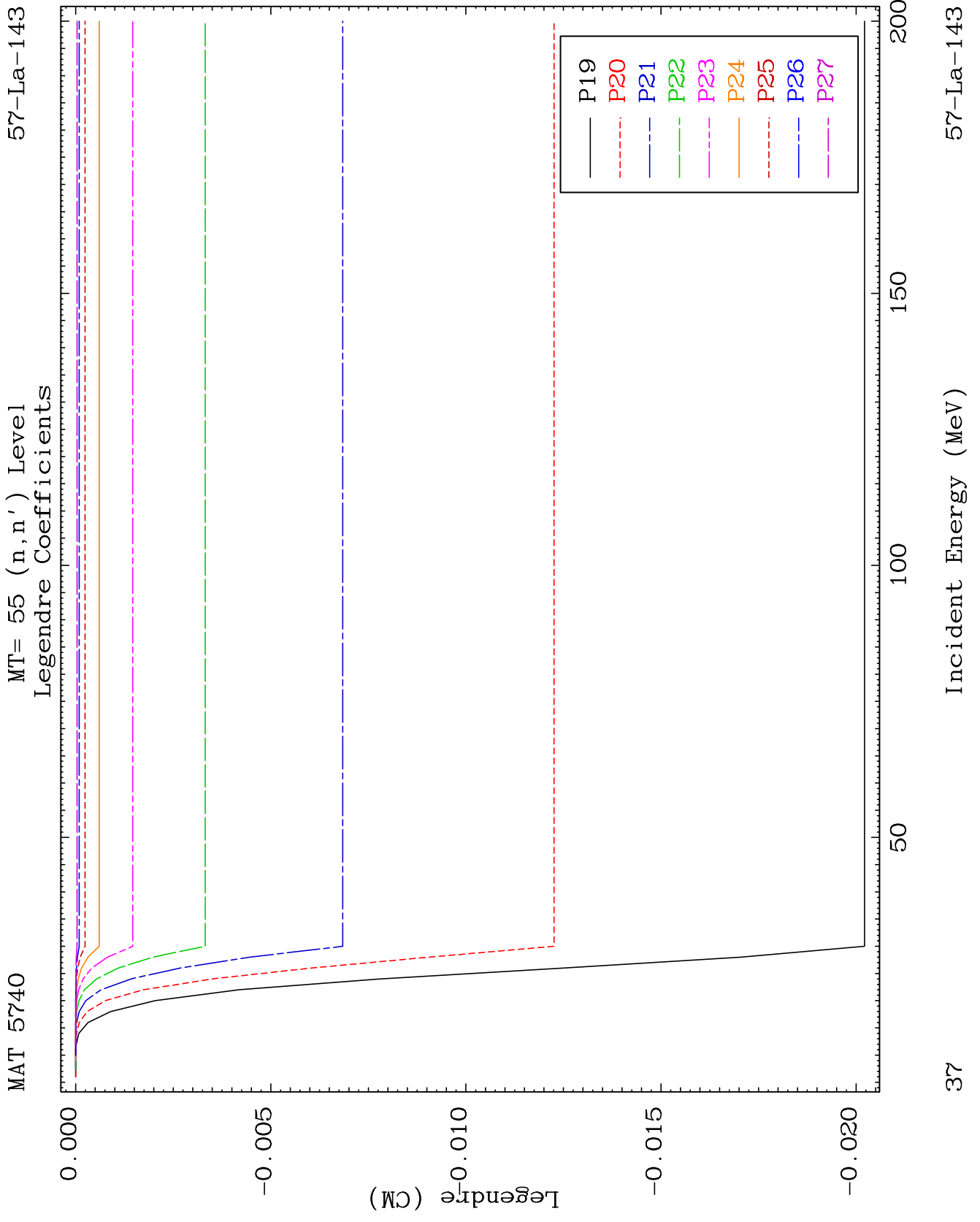
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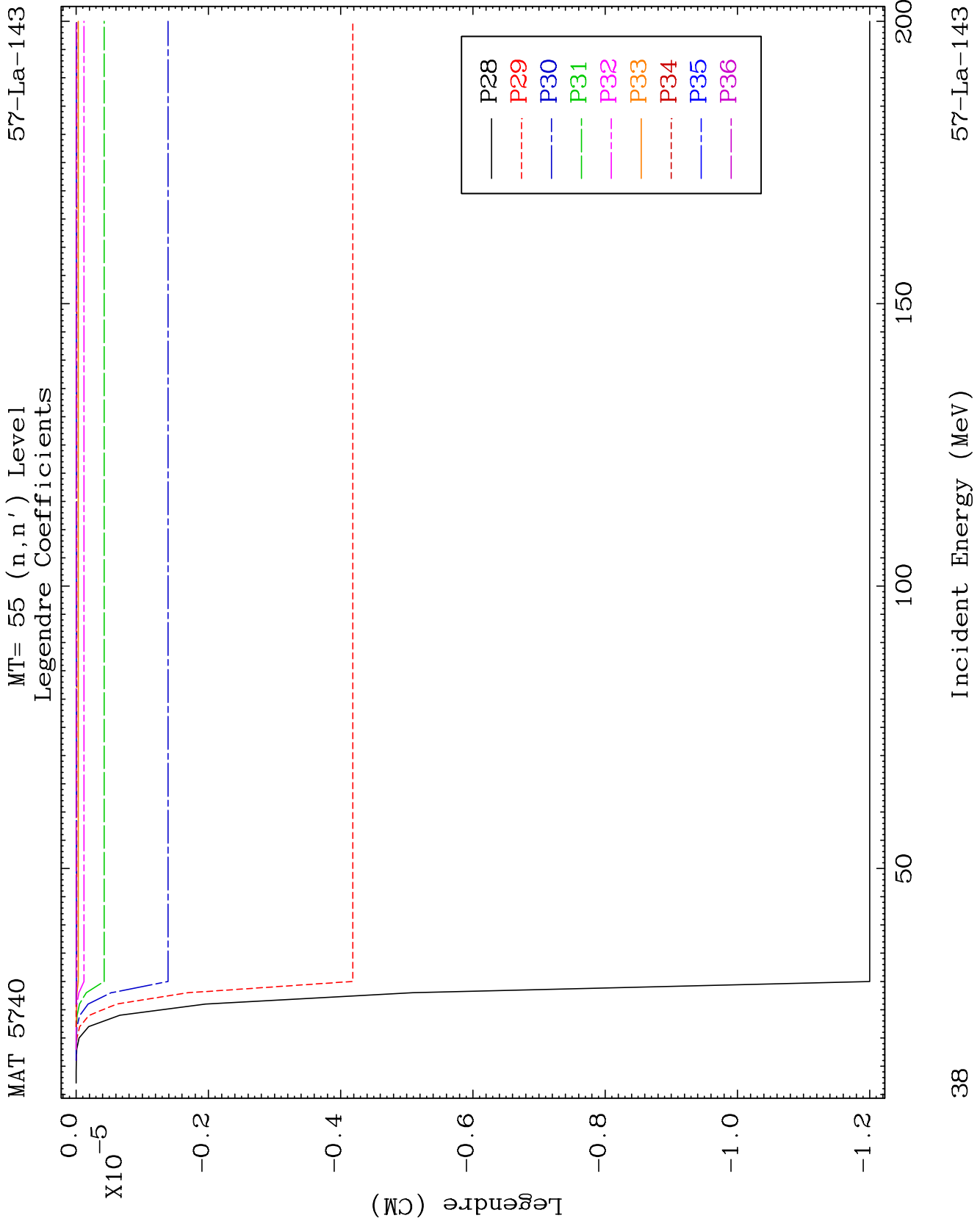


36

Incident Energy (MeV)

57-La-143

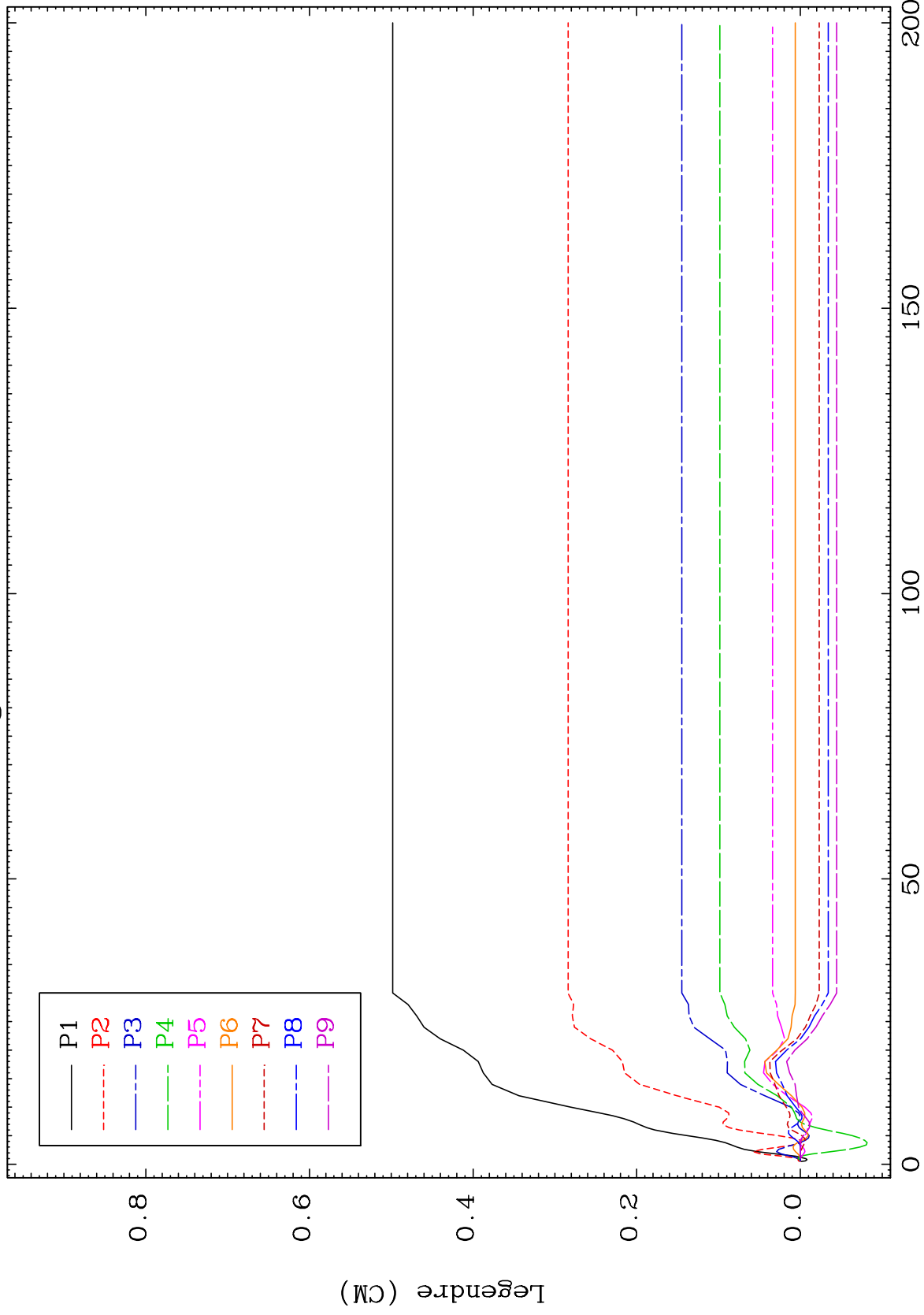




MAT 5740

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

57-La-143



57-La-143

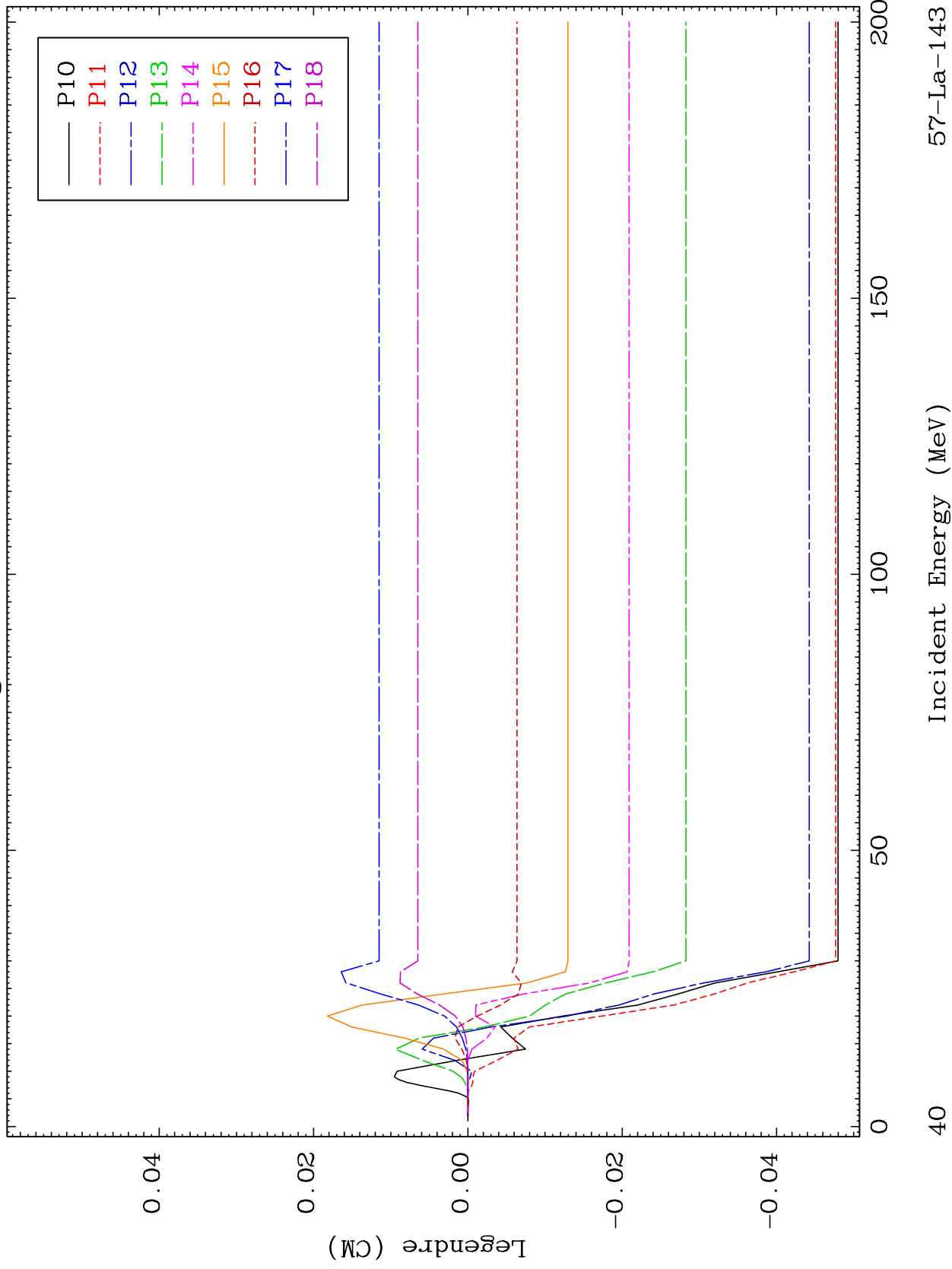
Incident Energy (MeV)

39

MAT 5740

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

57-La-143



57-La-143

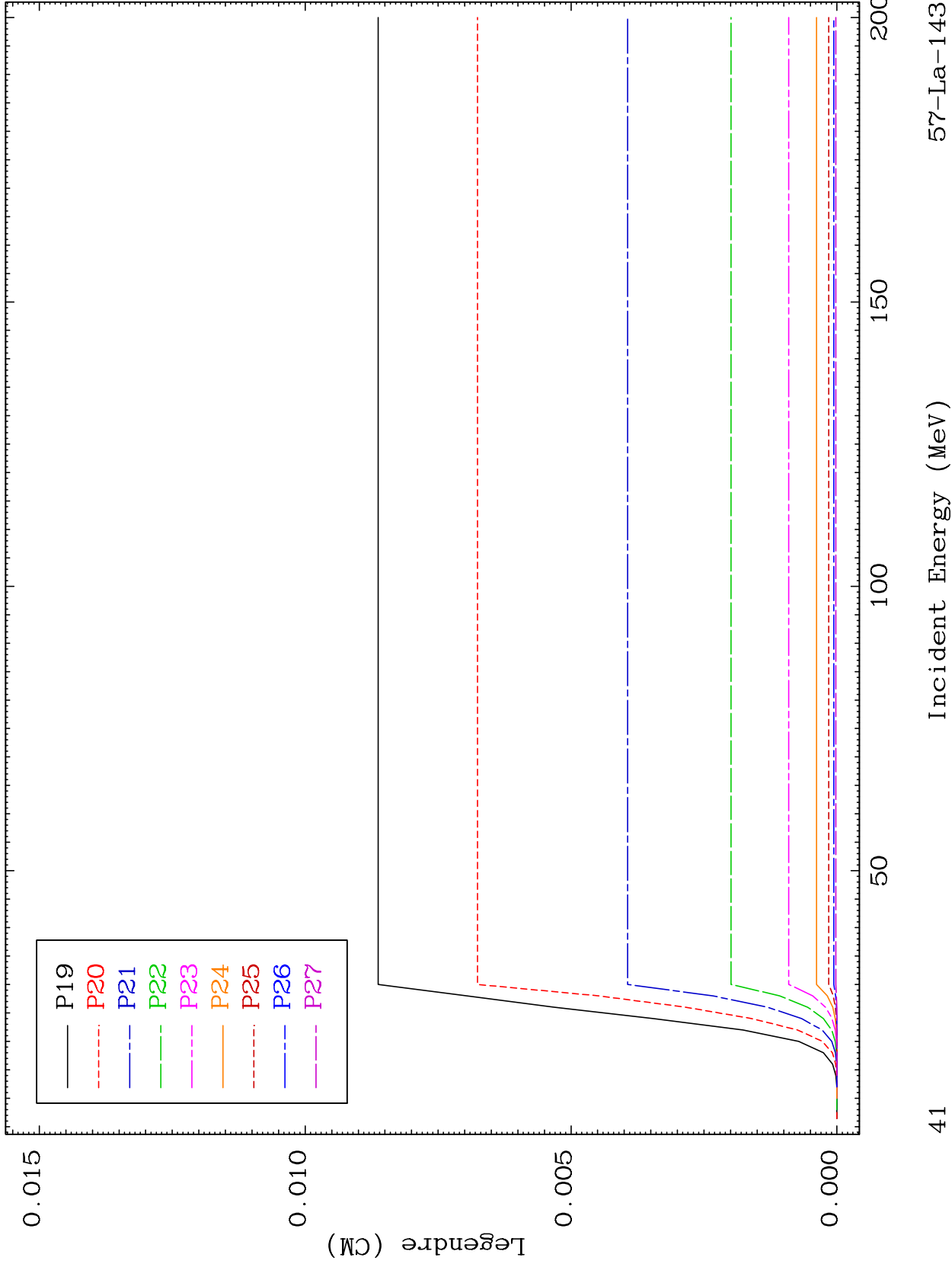
Incident Energy (MeV)

40

MAT 5740

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

57-La-143



41

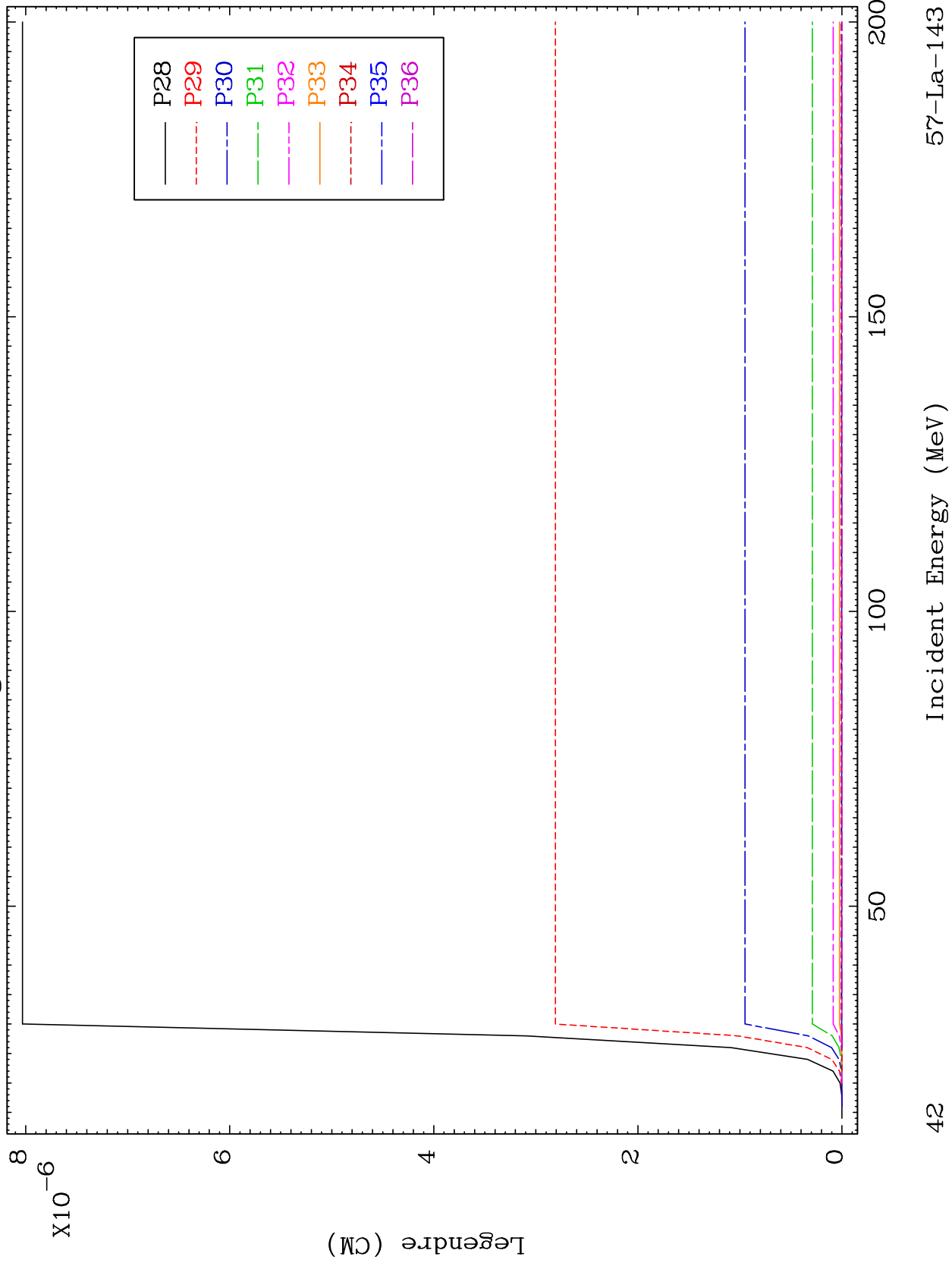
Incident Energy (MeV)

57-La-143

MAT 5740

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

57-La-143



42

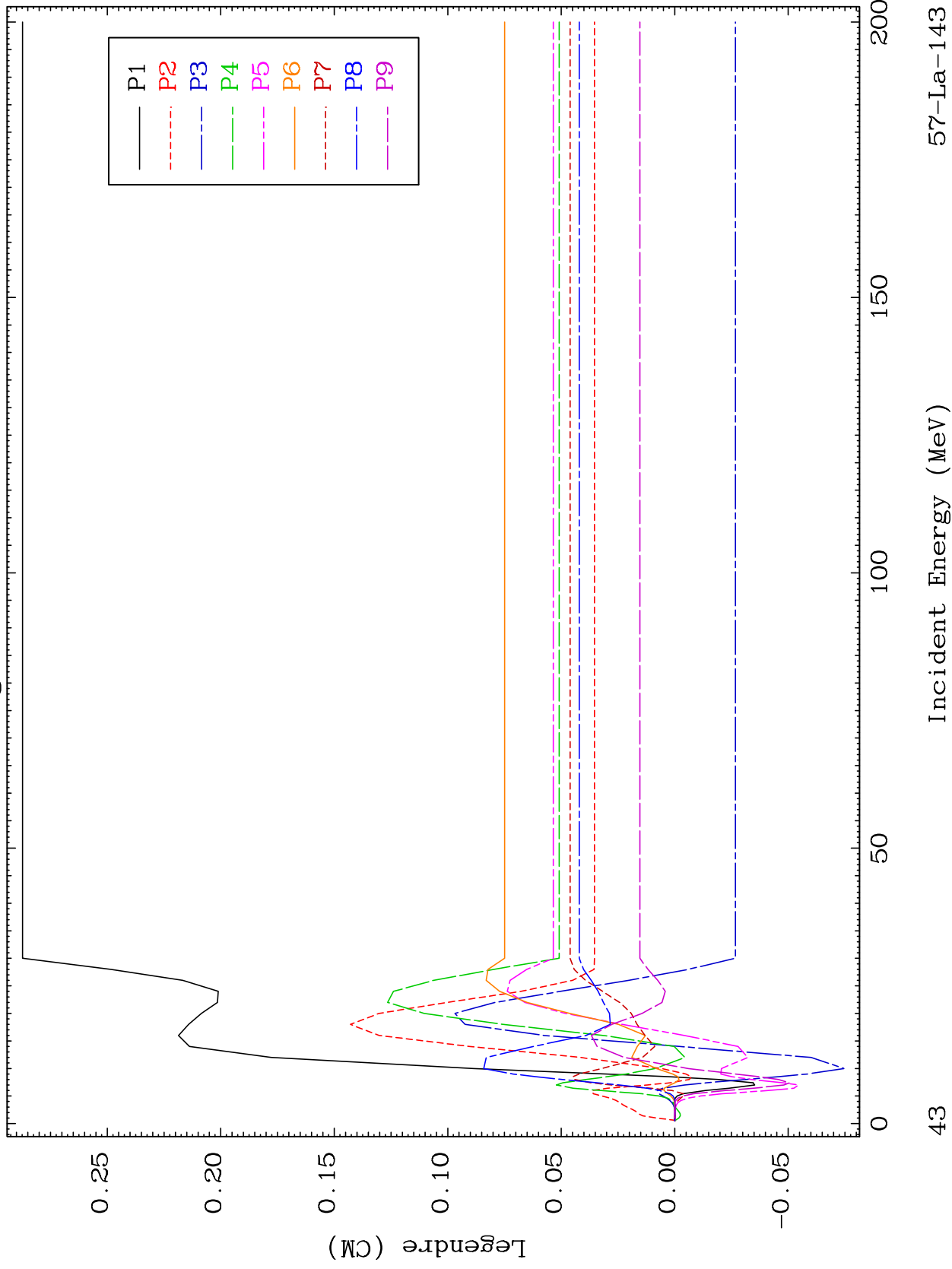
Incident Energy (MeV)

57-La-143

MAT 5740

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

57-La-143



57-La-143

Incident Energy (MeV)

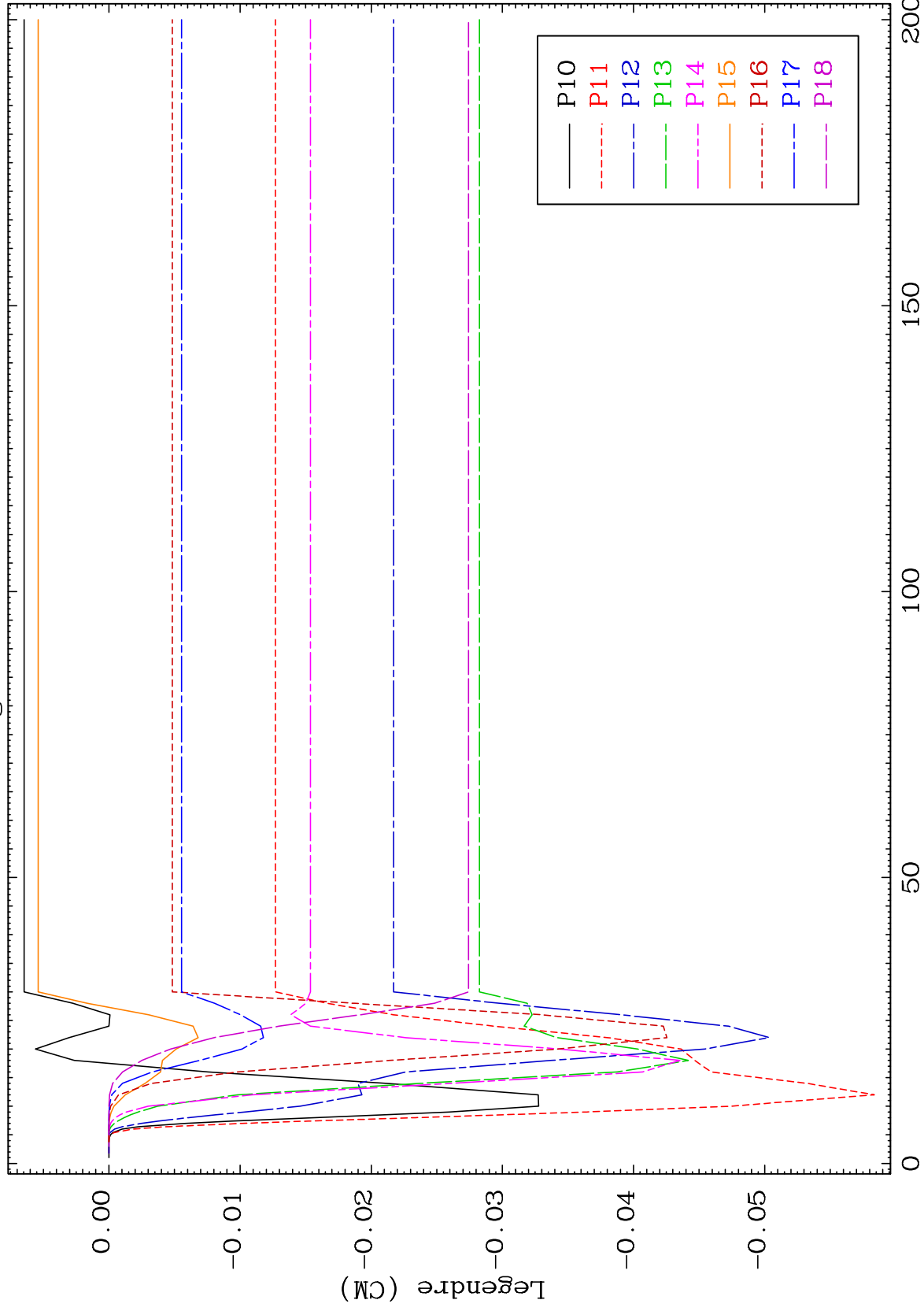
43

MAT 5740

MT= 57 (n,n') Level

57-La-143

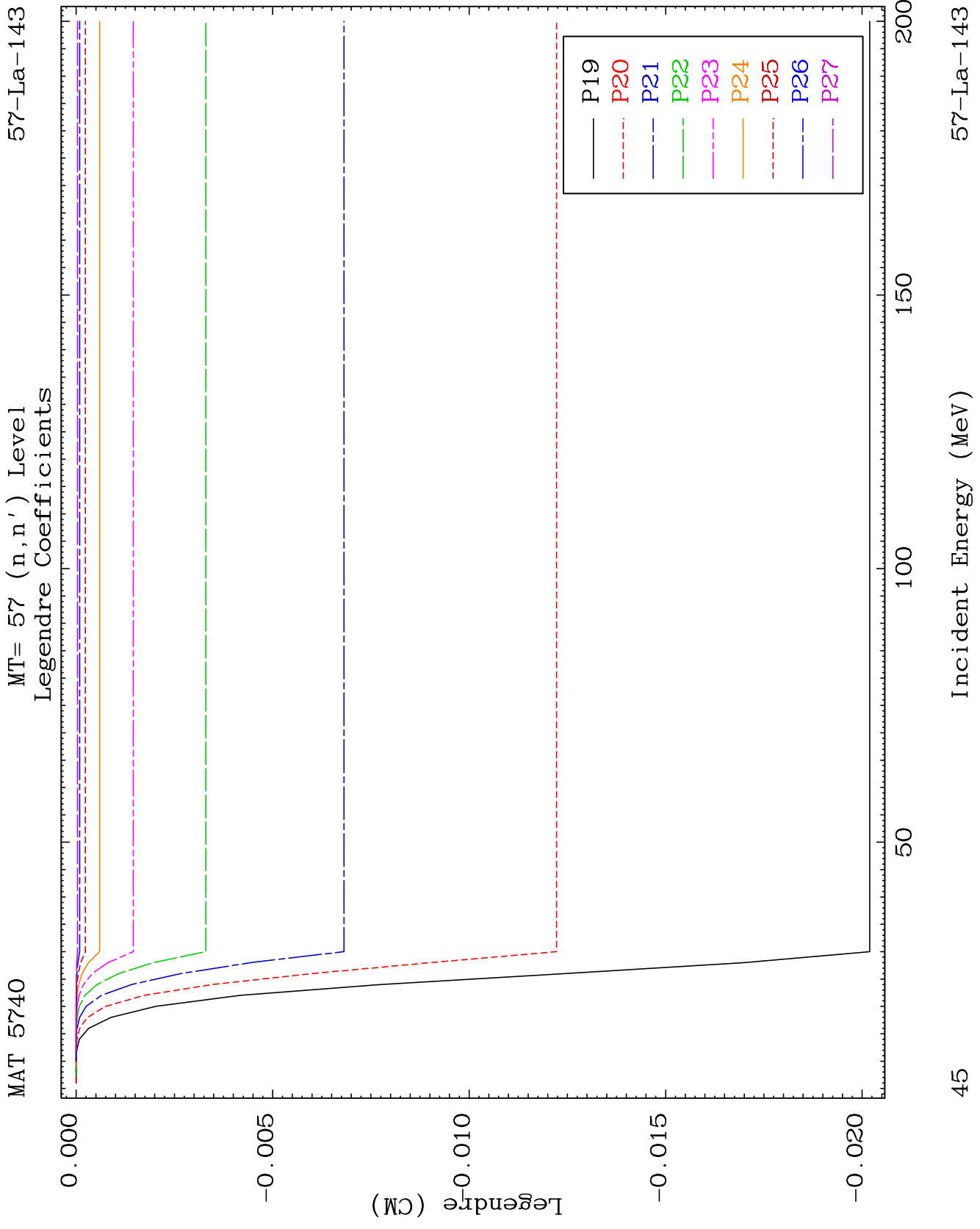
Legendre Coefficients



44

Incident Energy (MeV)

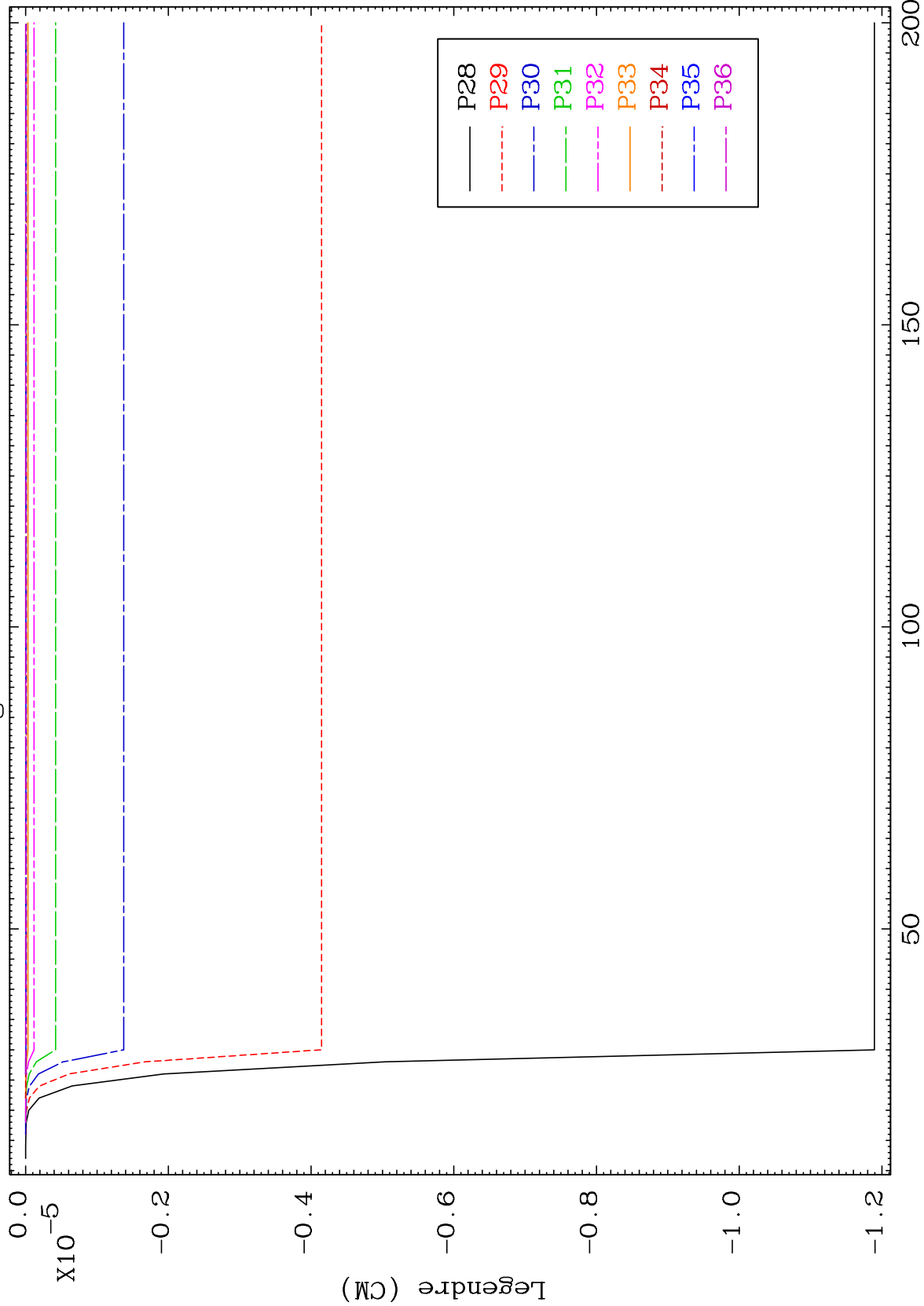
57-La-143



MAT 5740

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

57-La-143



57-La-143

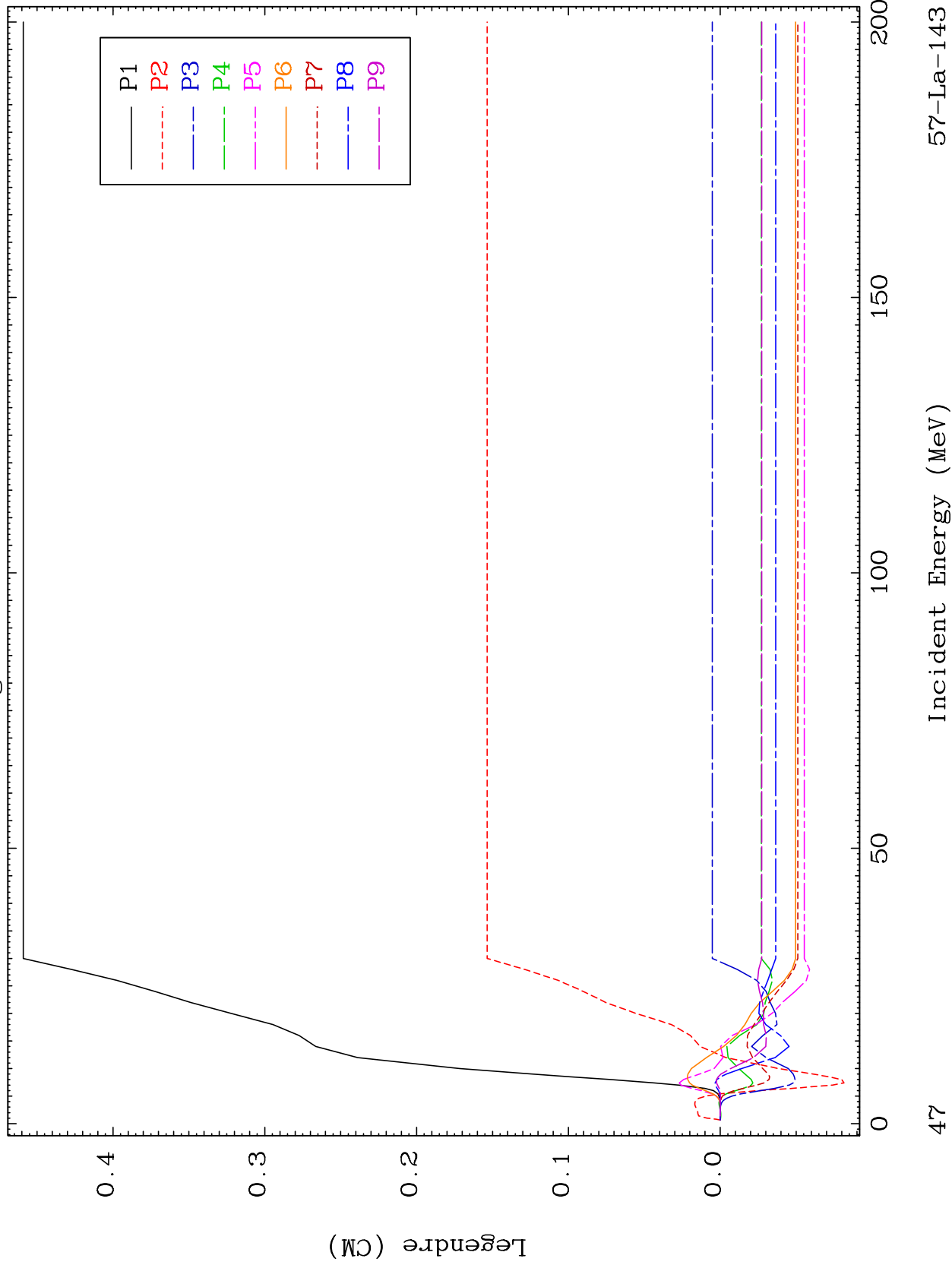
Incident Energy (MeV)

46

MAT 5740

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

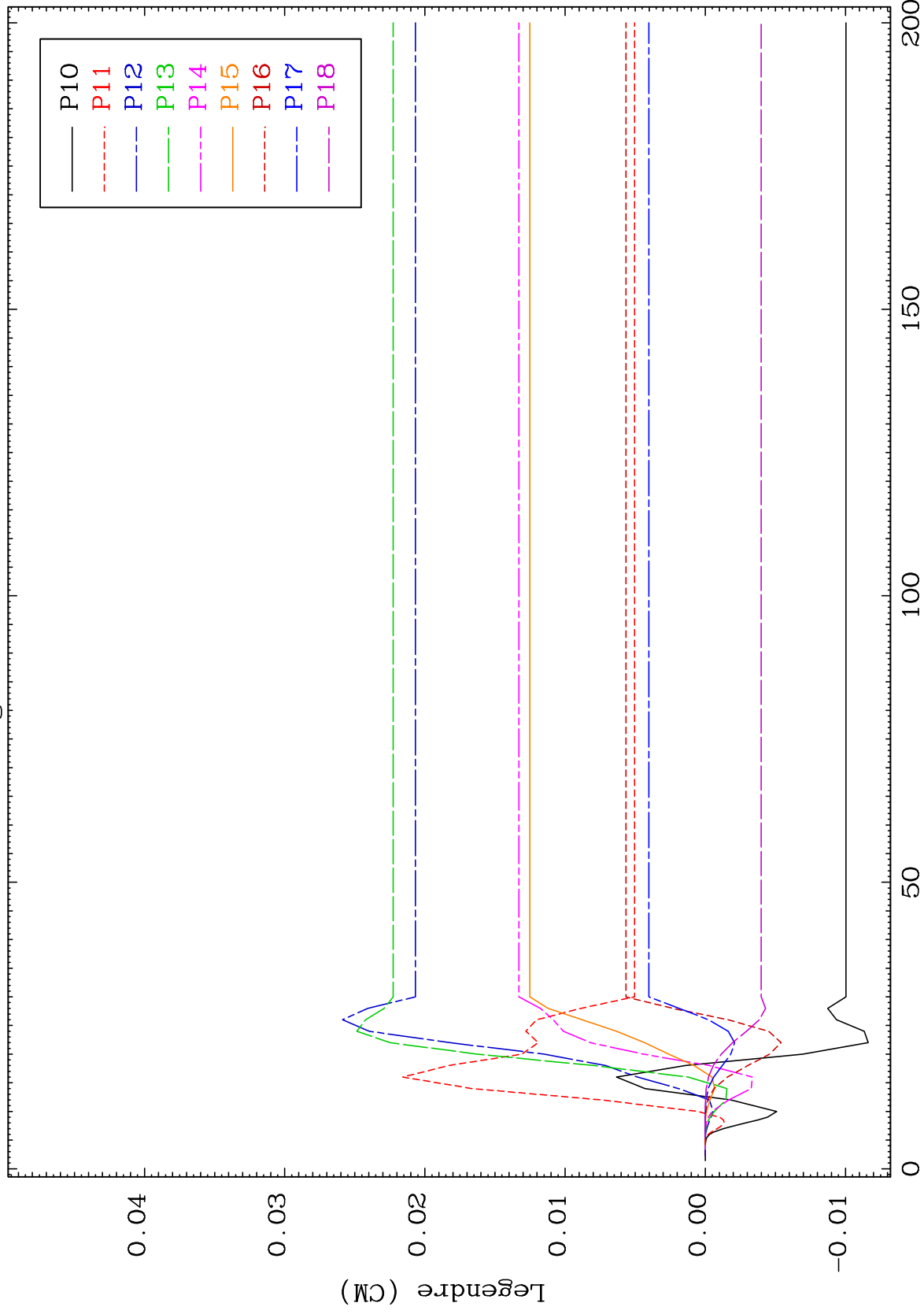
57-La-143



MAT 5740

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

57-La-143



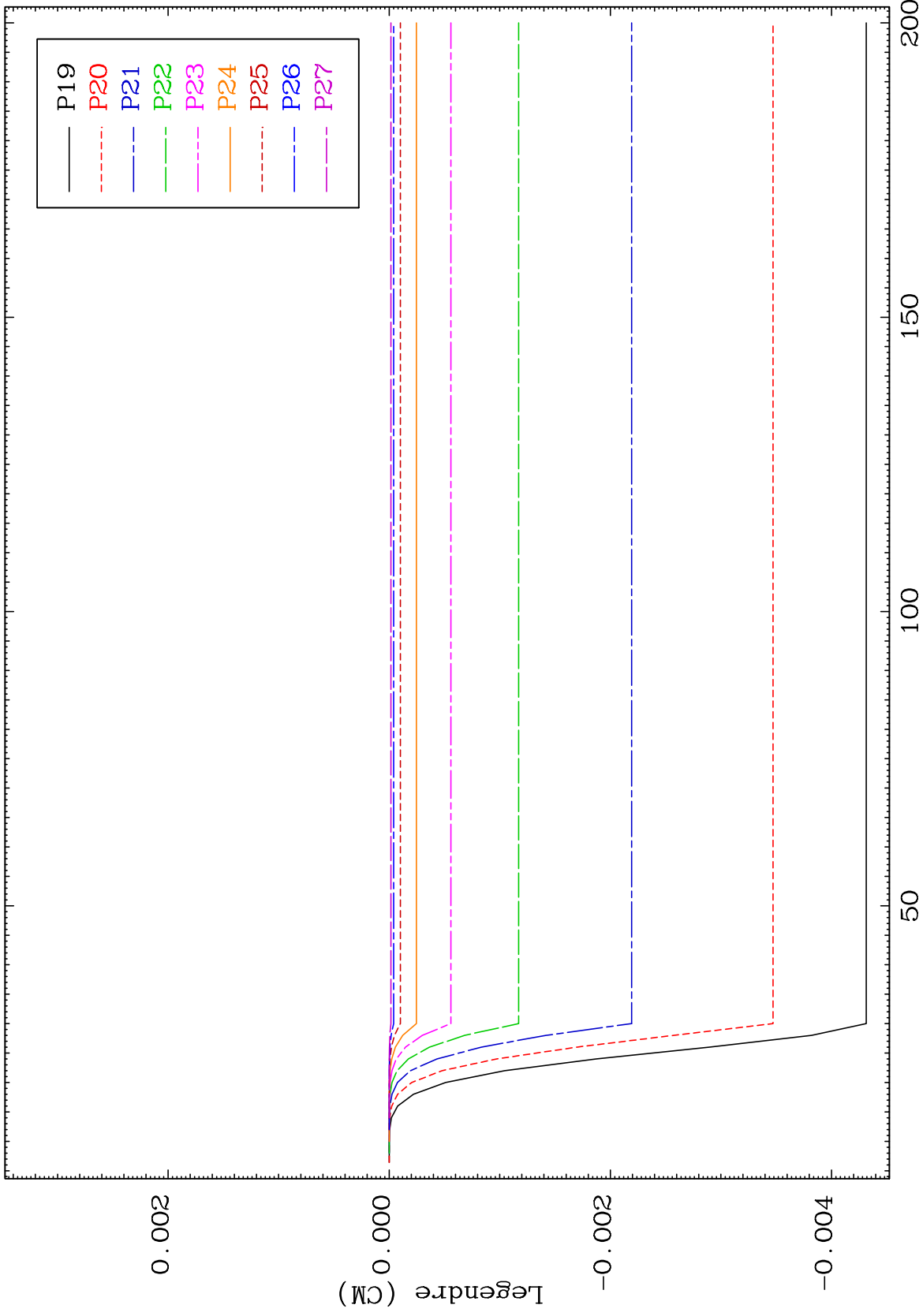
48

57-La-143

MAT 5740

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

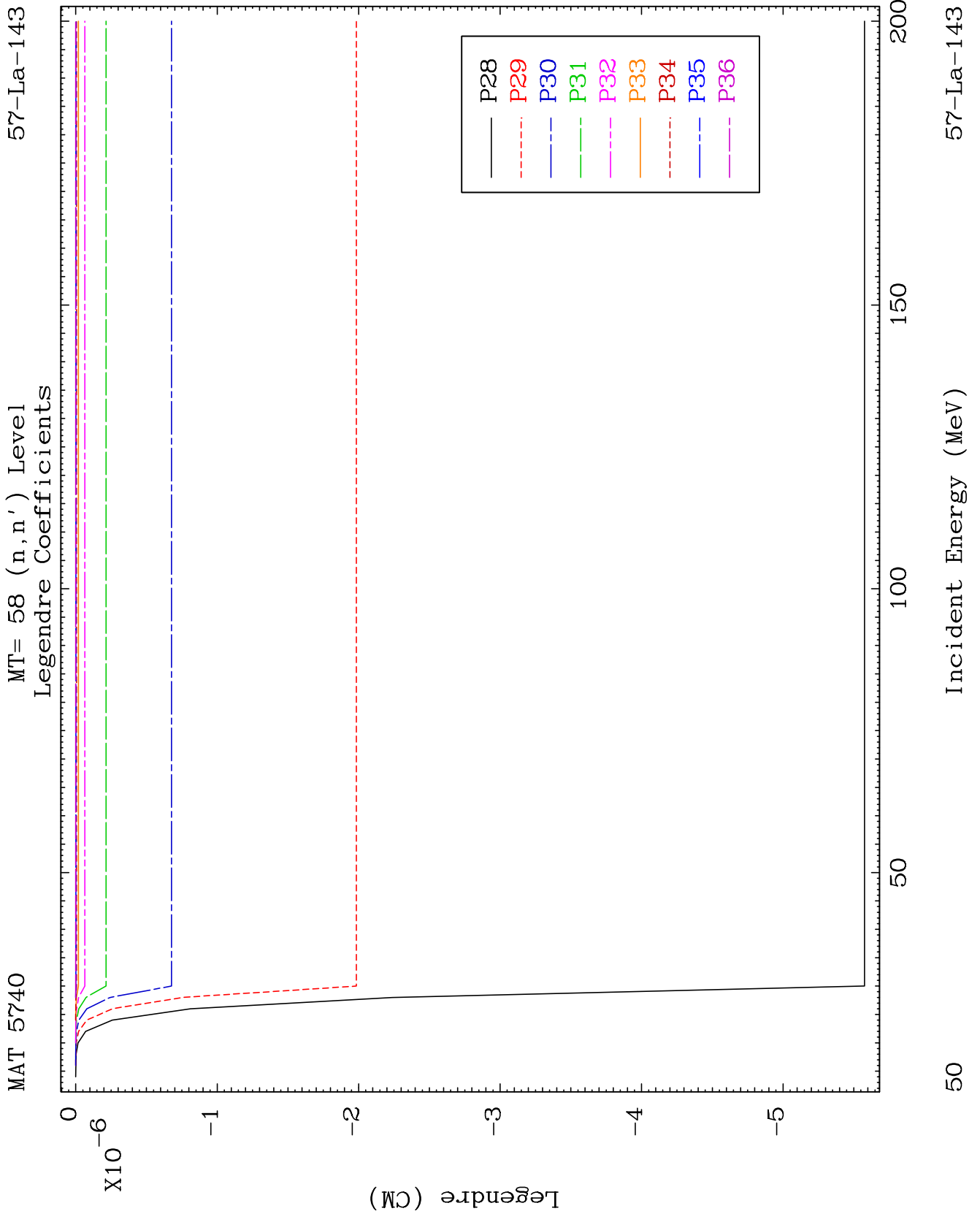
57-La-143



49

Incident Energy (MeV)

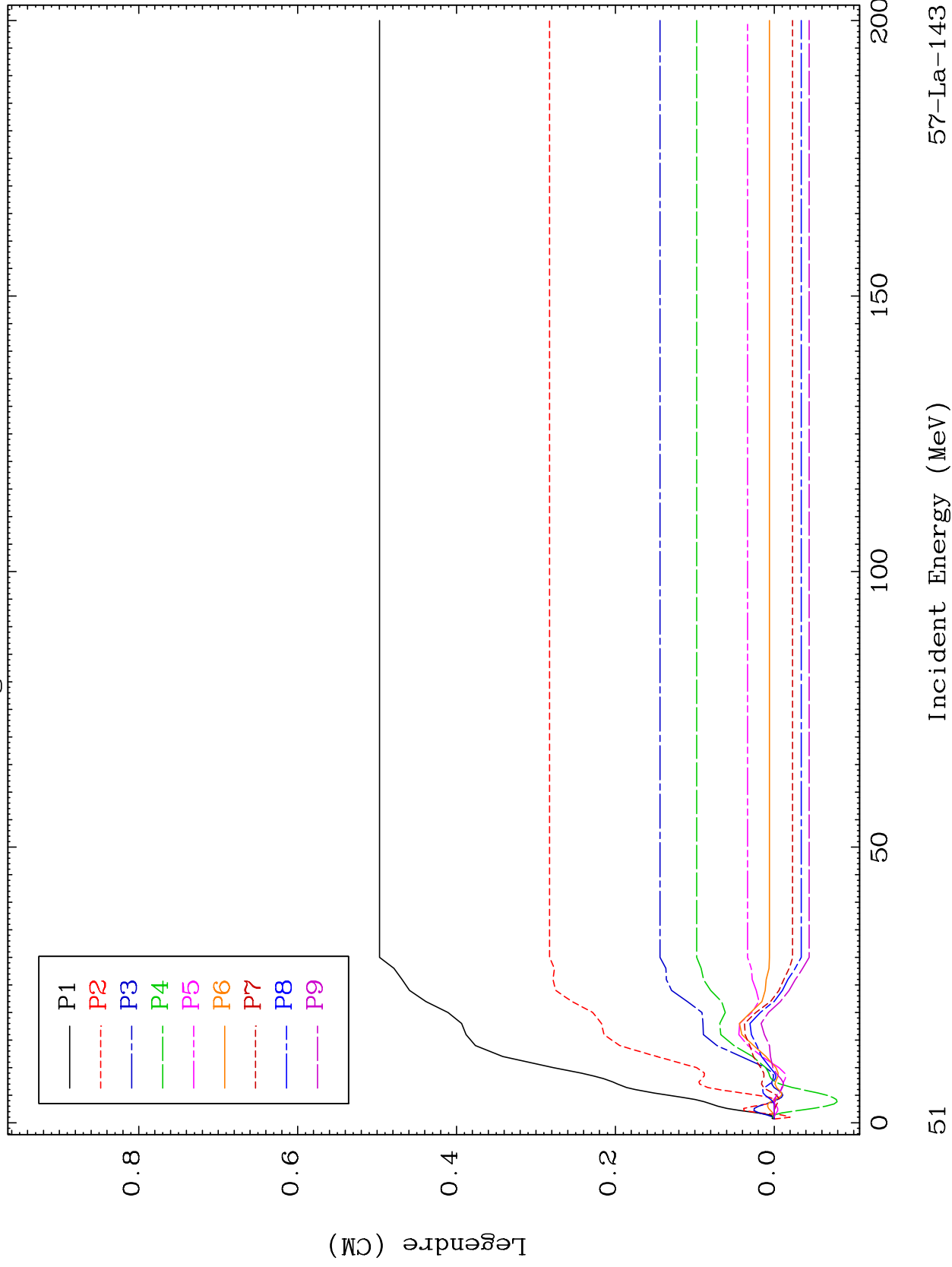
57-La-143



MAT 5740

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

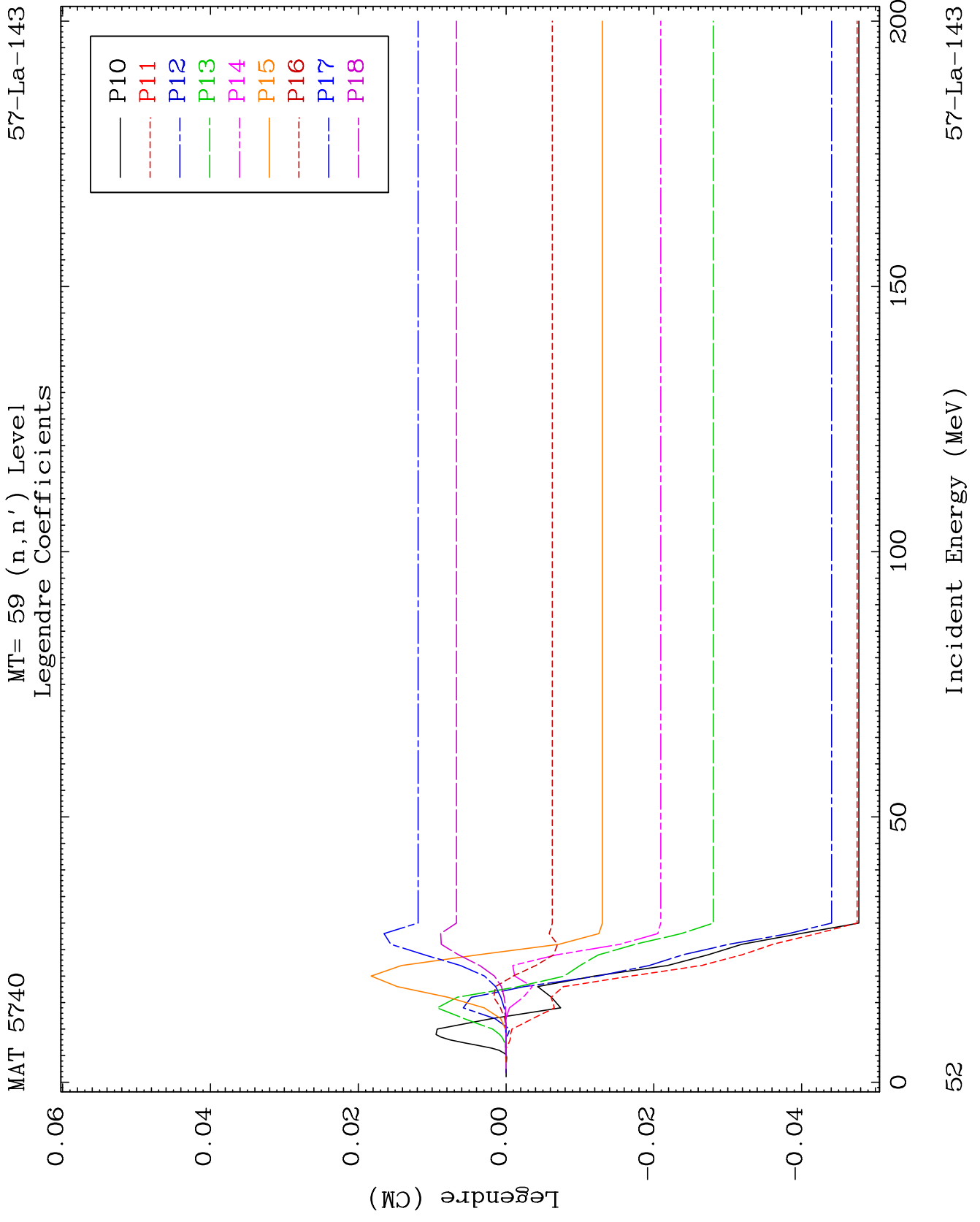
57-La-143



57-La-143

Incident Energy (MeV)

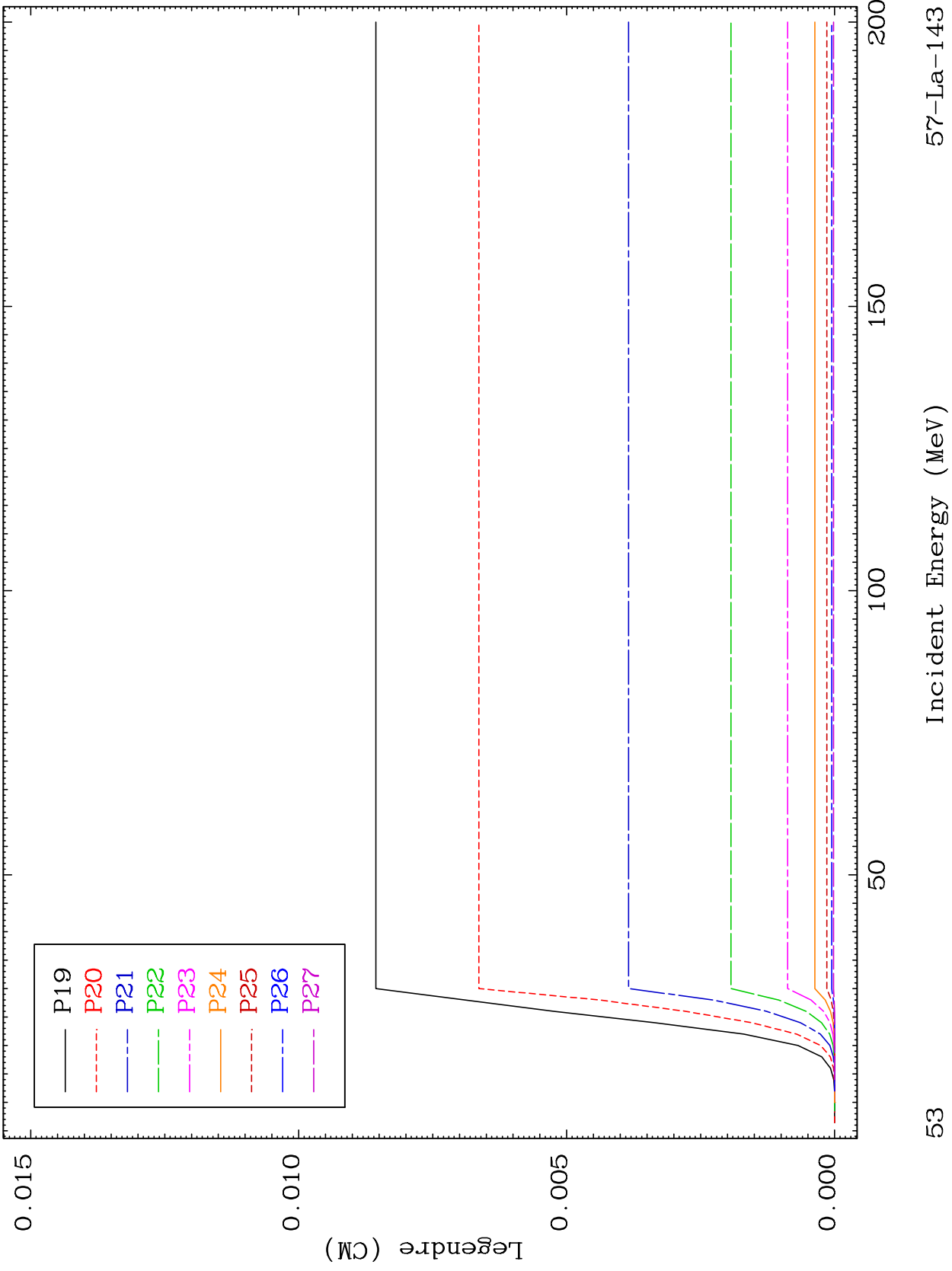
51



MAT 5740

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

57-La-143



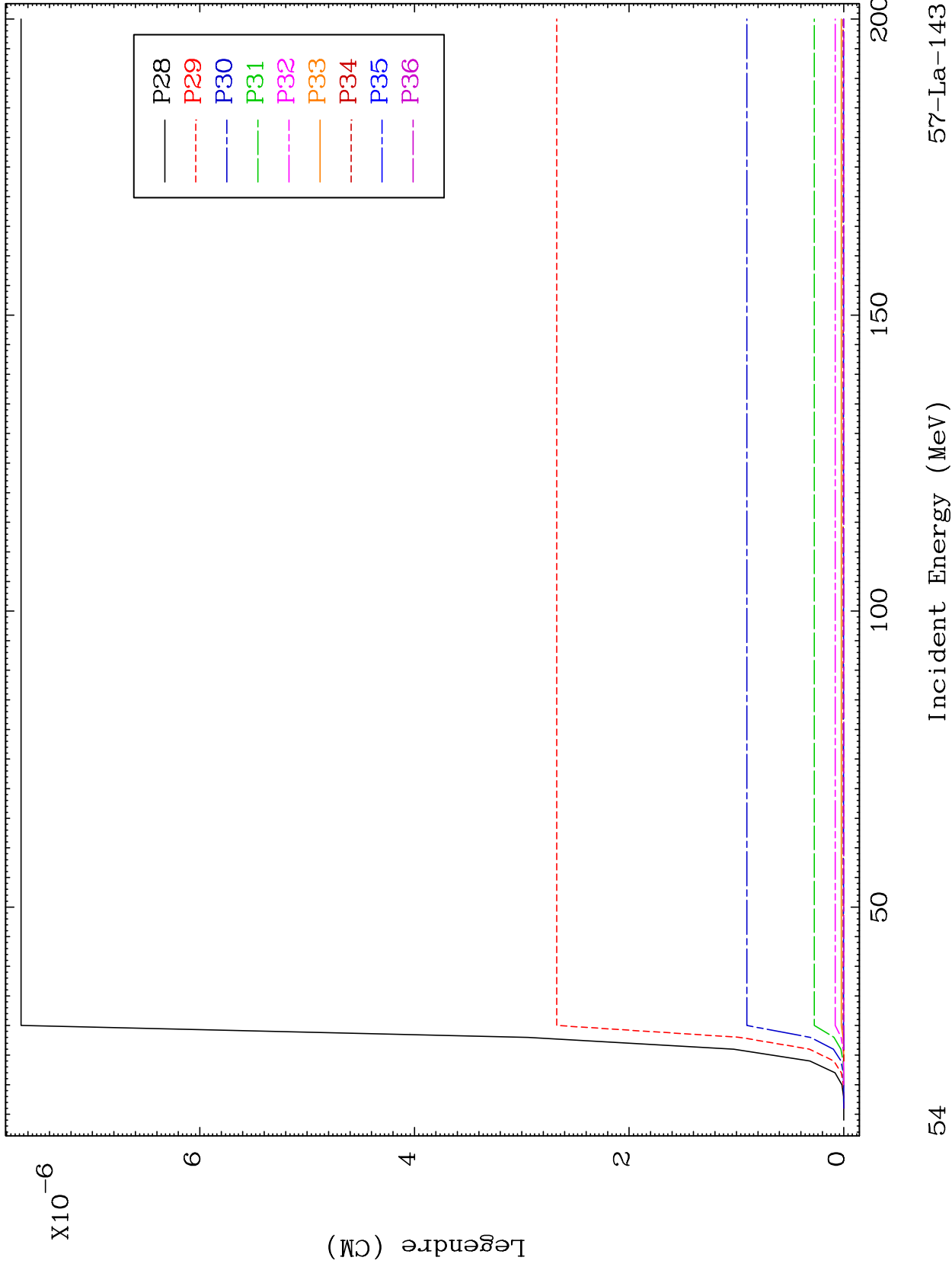
53

57-La-143

MAT 5740

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

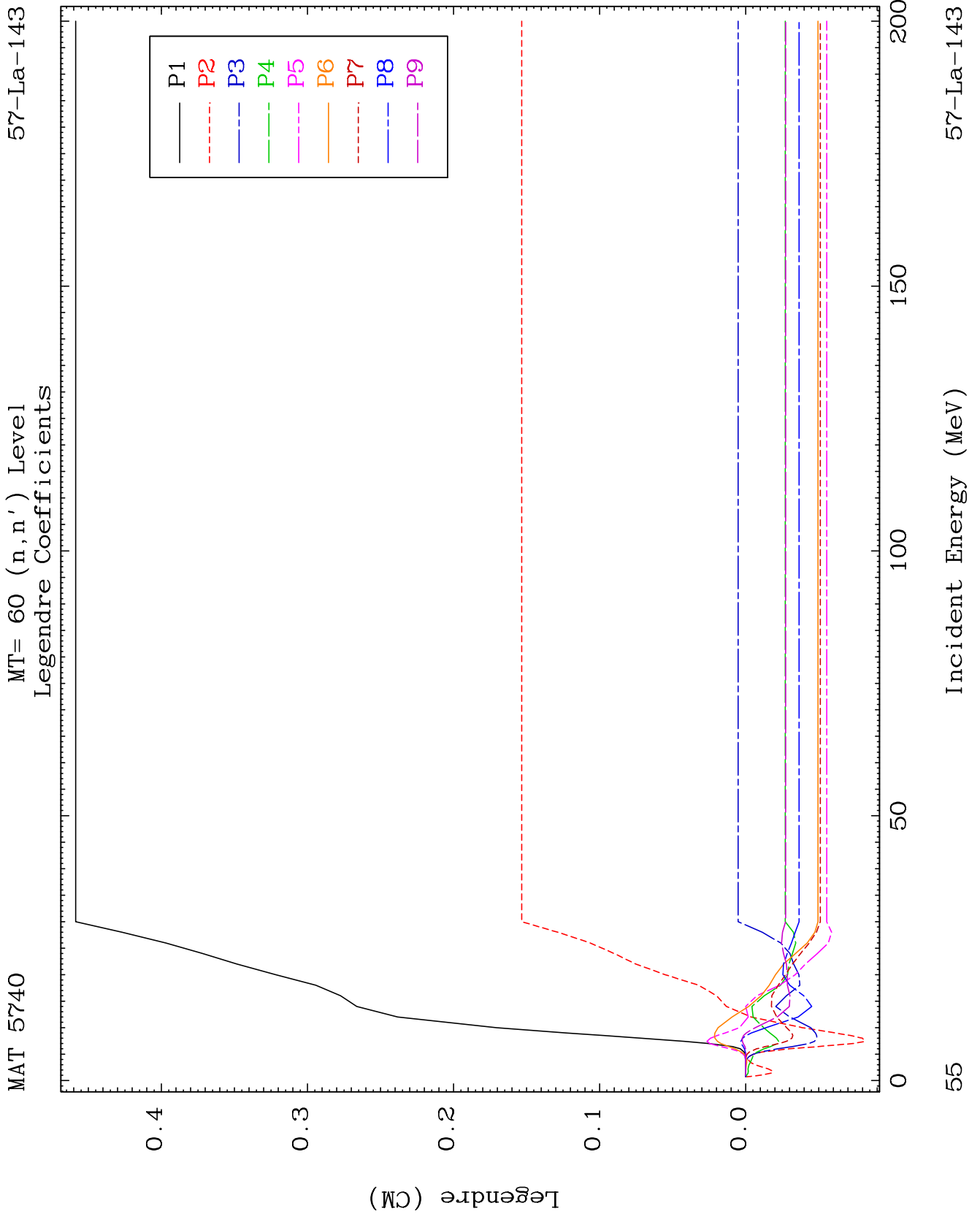
57-La-143



57-La-143

Incident Energy (MeV)

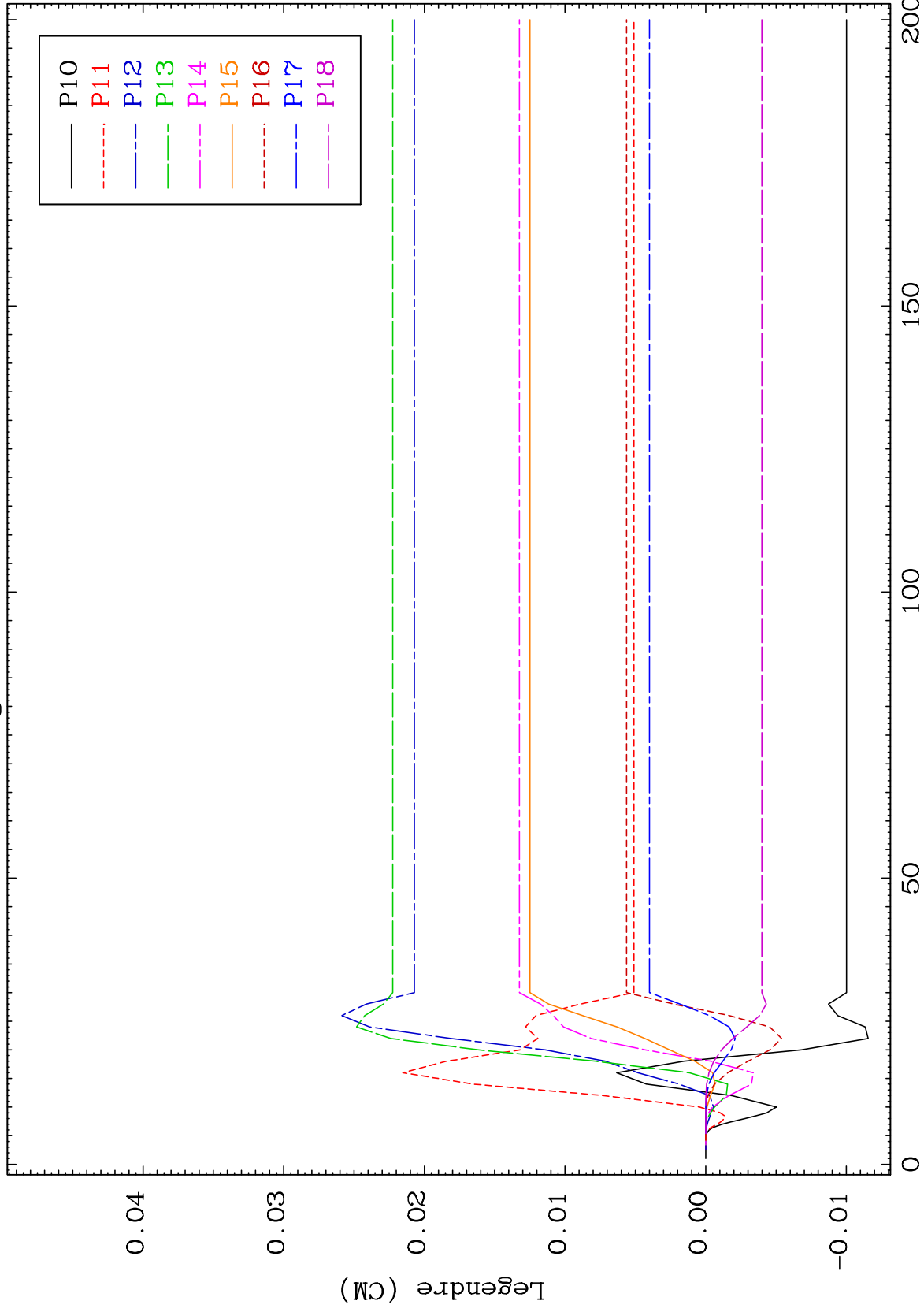
54



MAT 5740

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

57-La-143



56

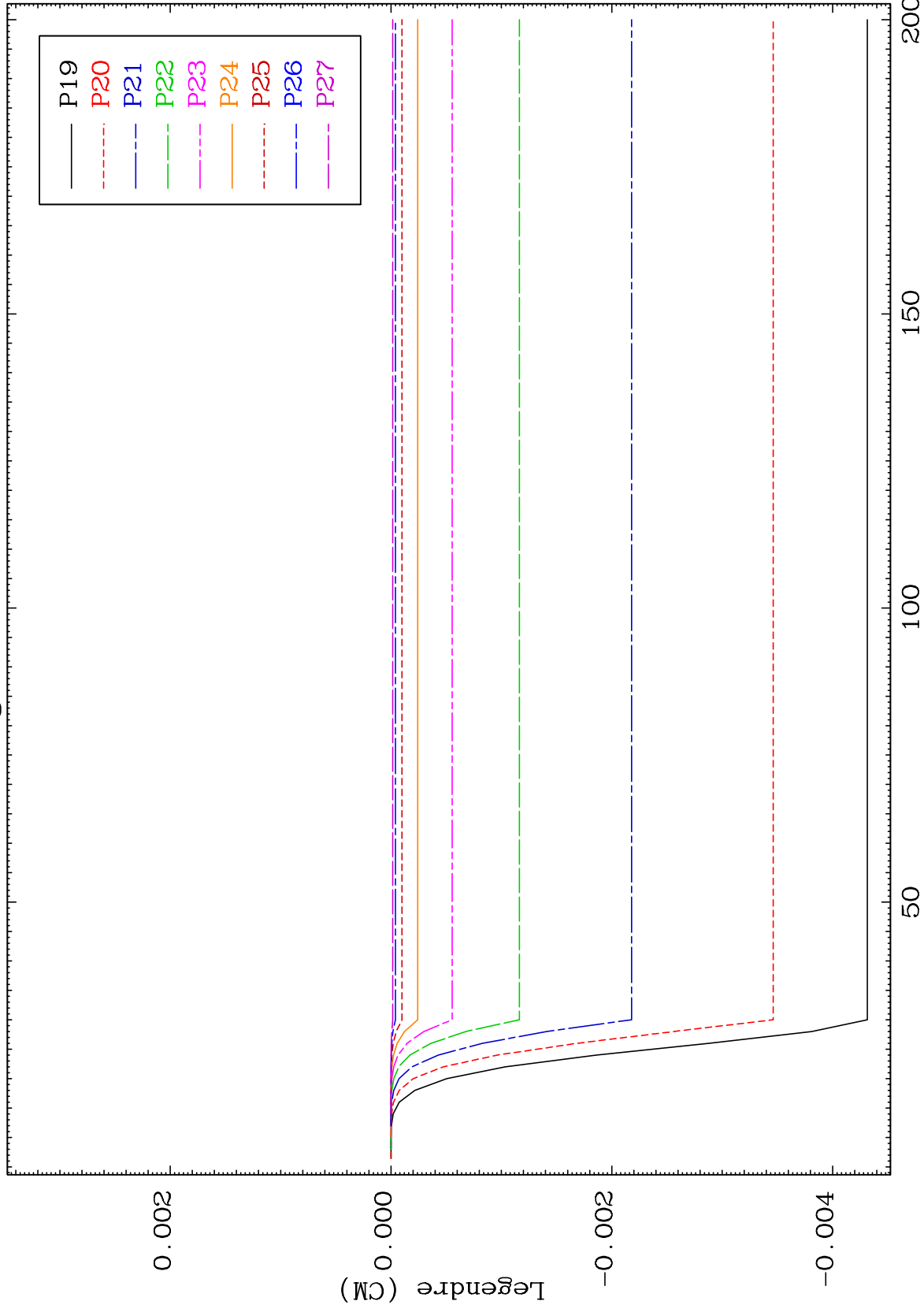
Incident Energy (MeV)

57-La-143

MAT 5740

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

57-La-143



57

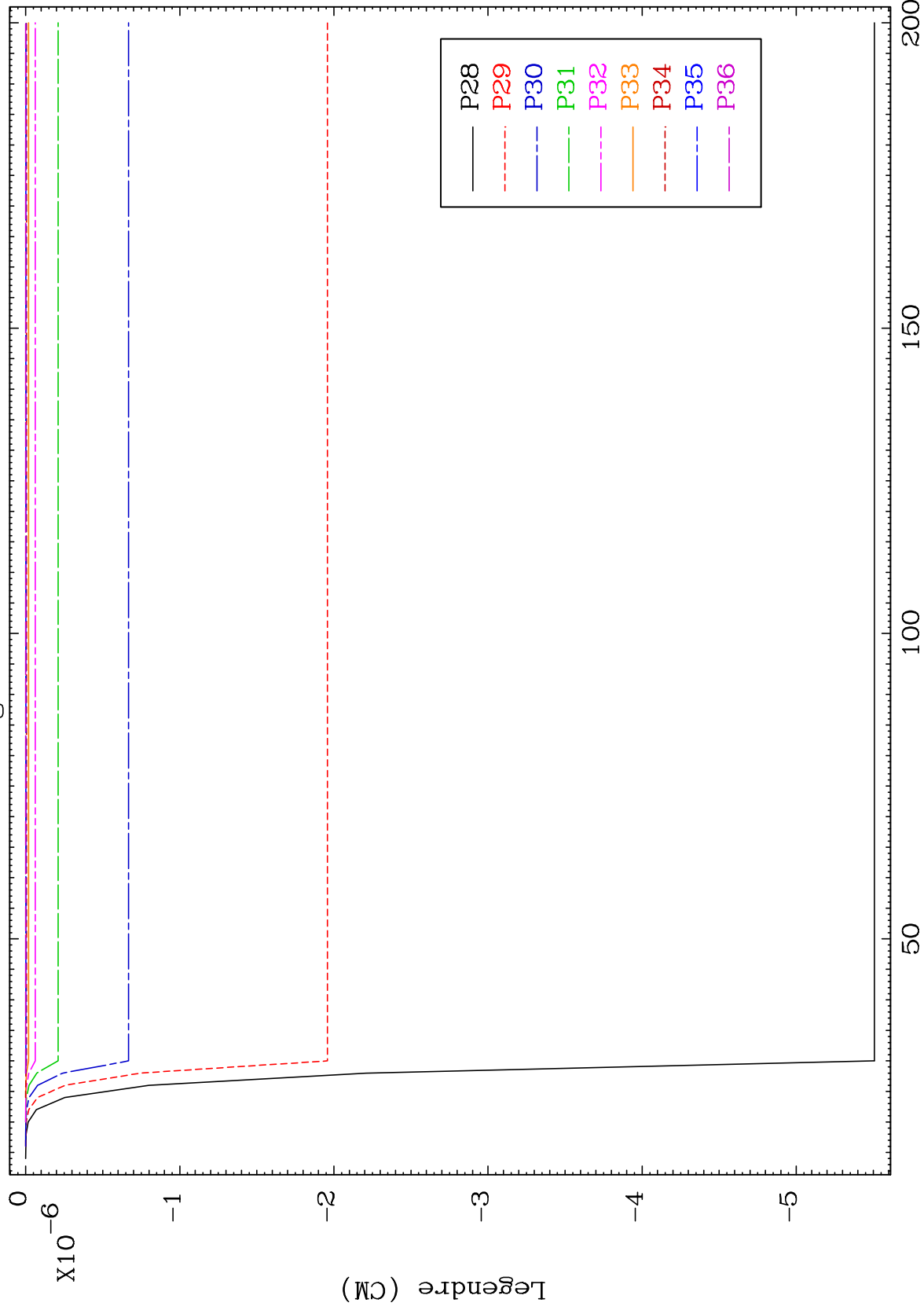
Incident Energy (MeV)

57-La-143

MAT 5740

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

57-La-143



58

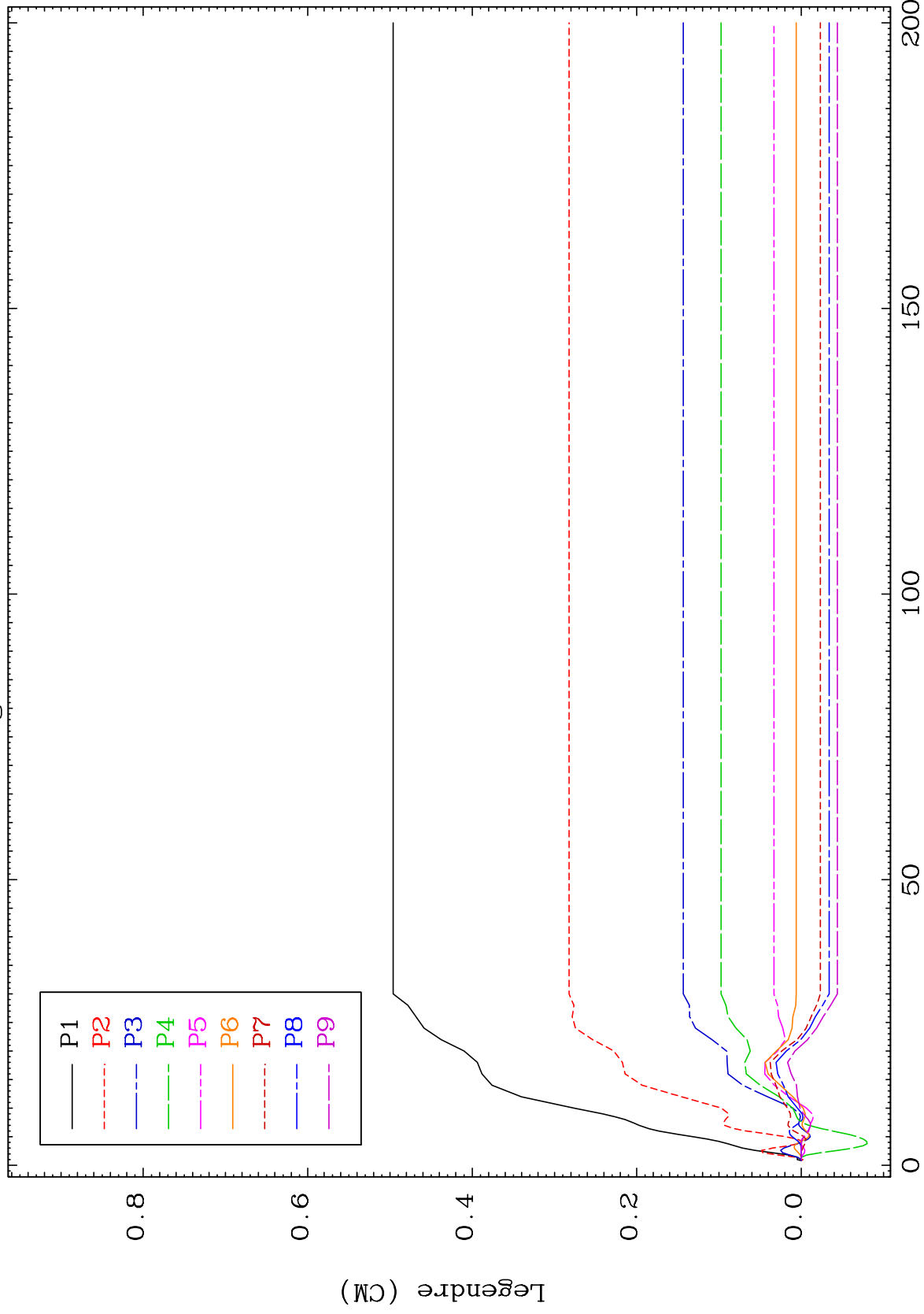
Incident Energy (MeV)

57-La-143

MAT 5740

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

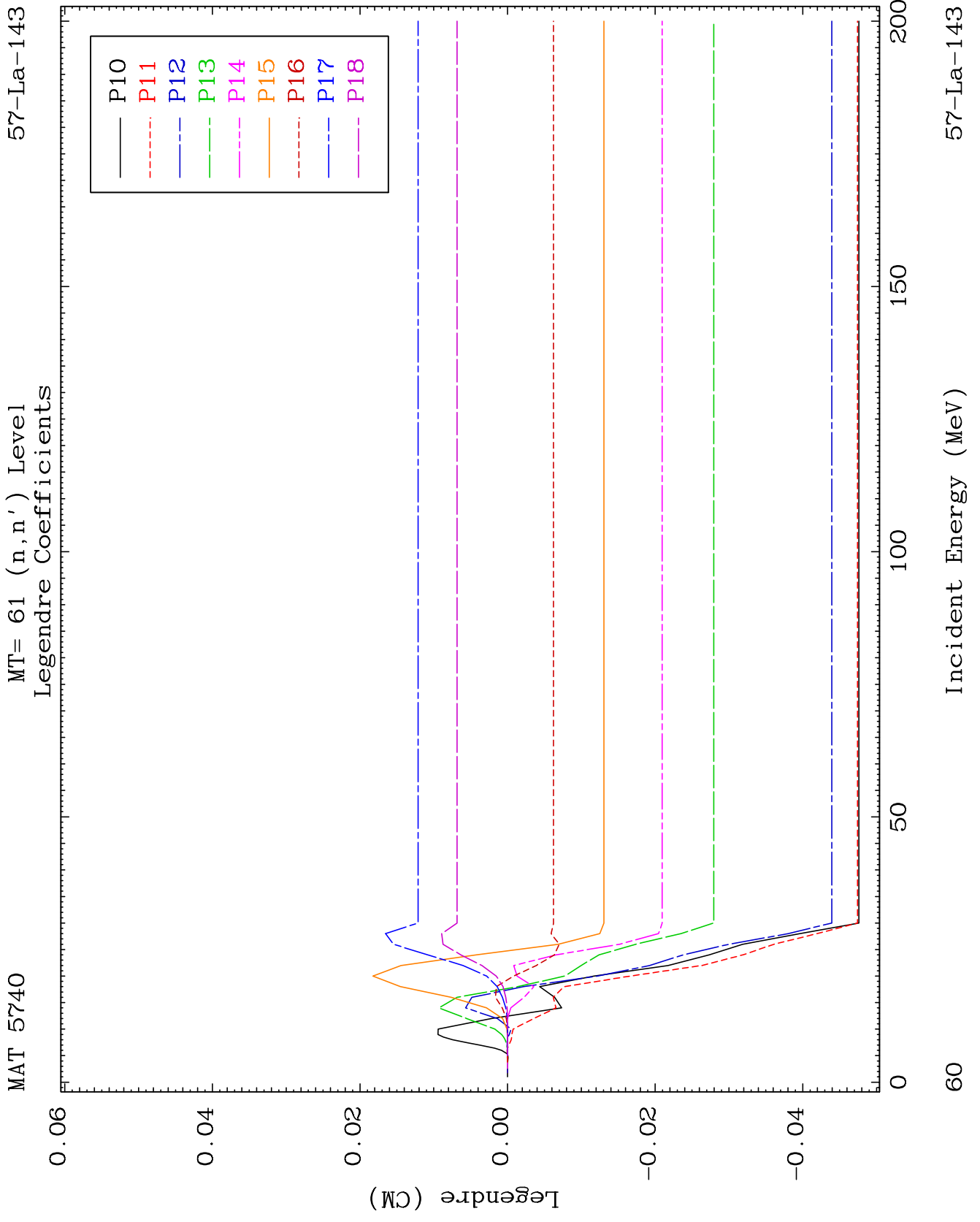
57-La-143



59

Incident Energy (MeV)

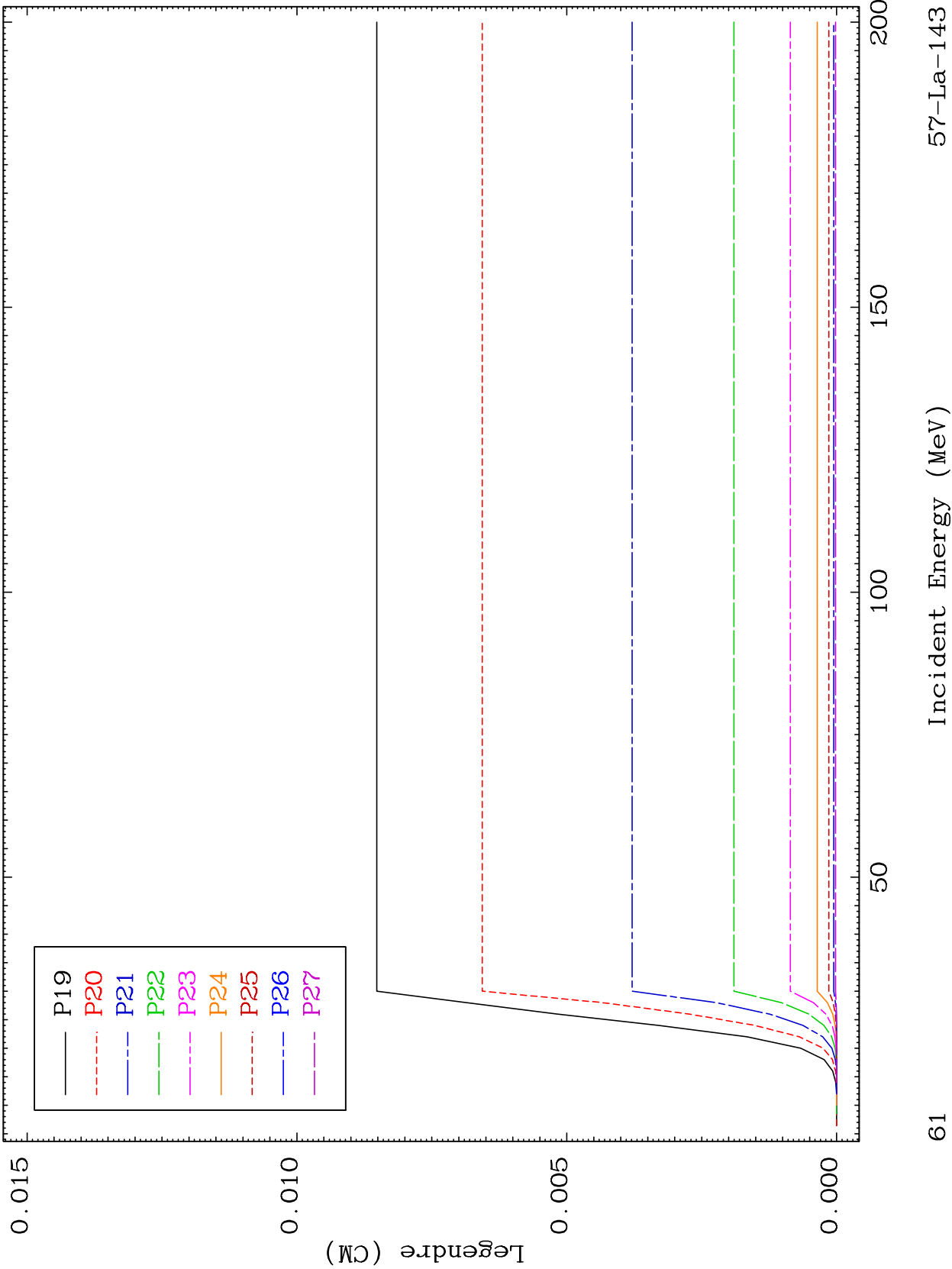
57-La-143



MAT 5740

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

57-La-143



61

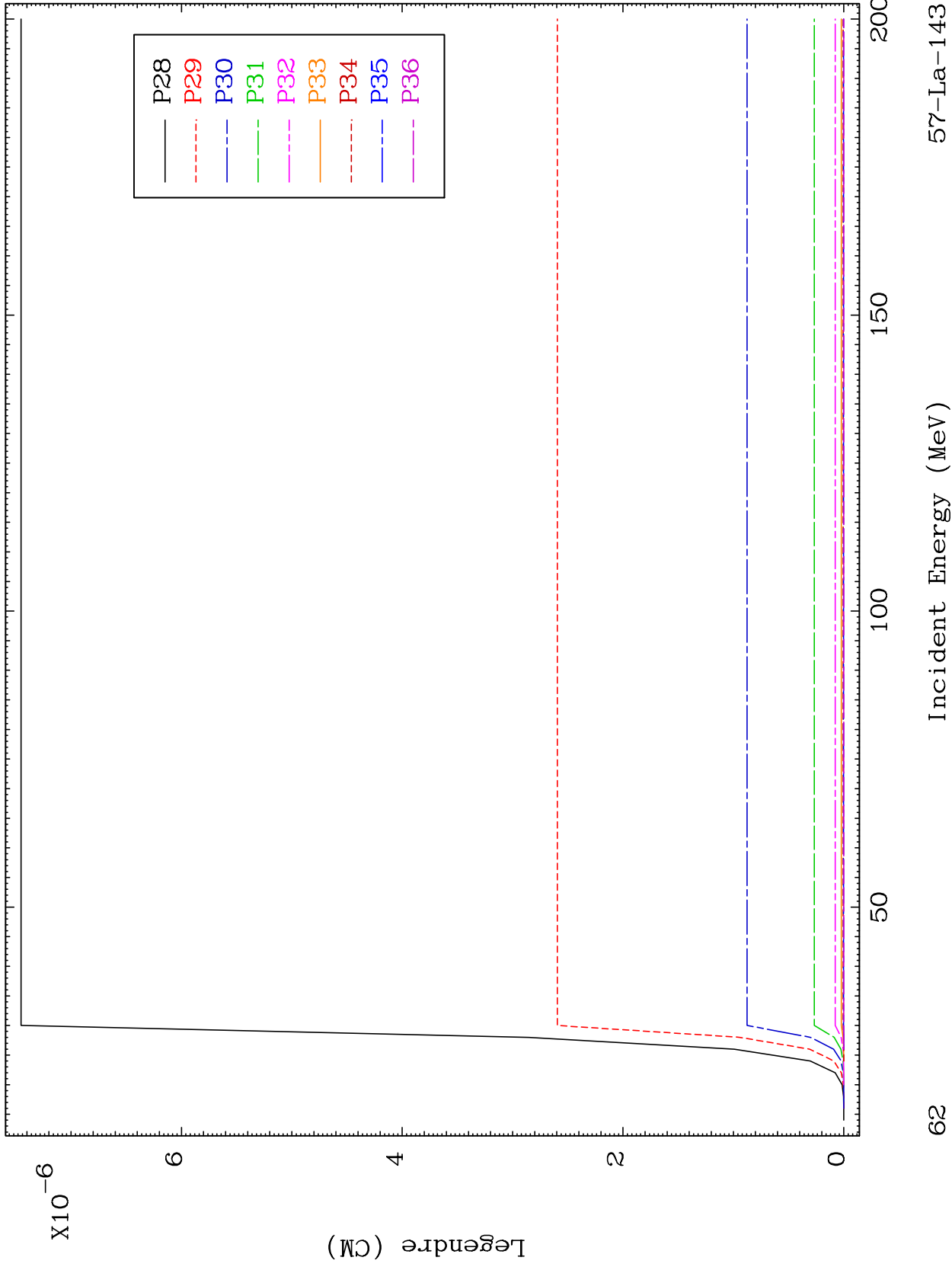
Incident Energy (MeV)

57-La-143

MAT 5740

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

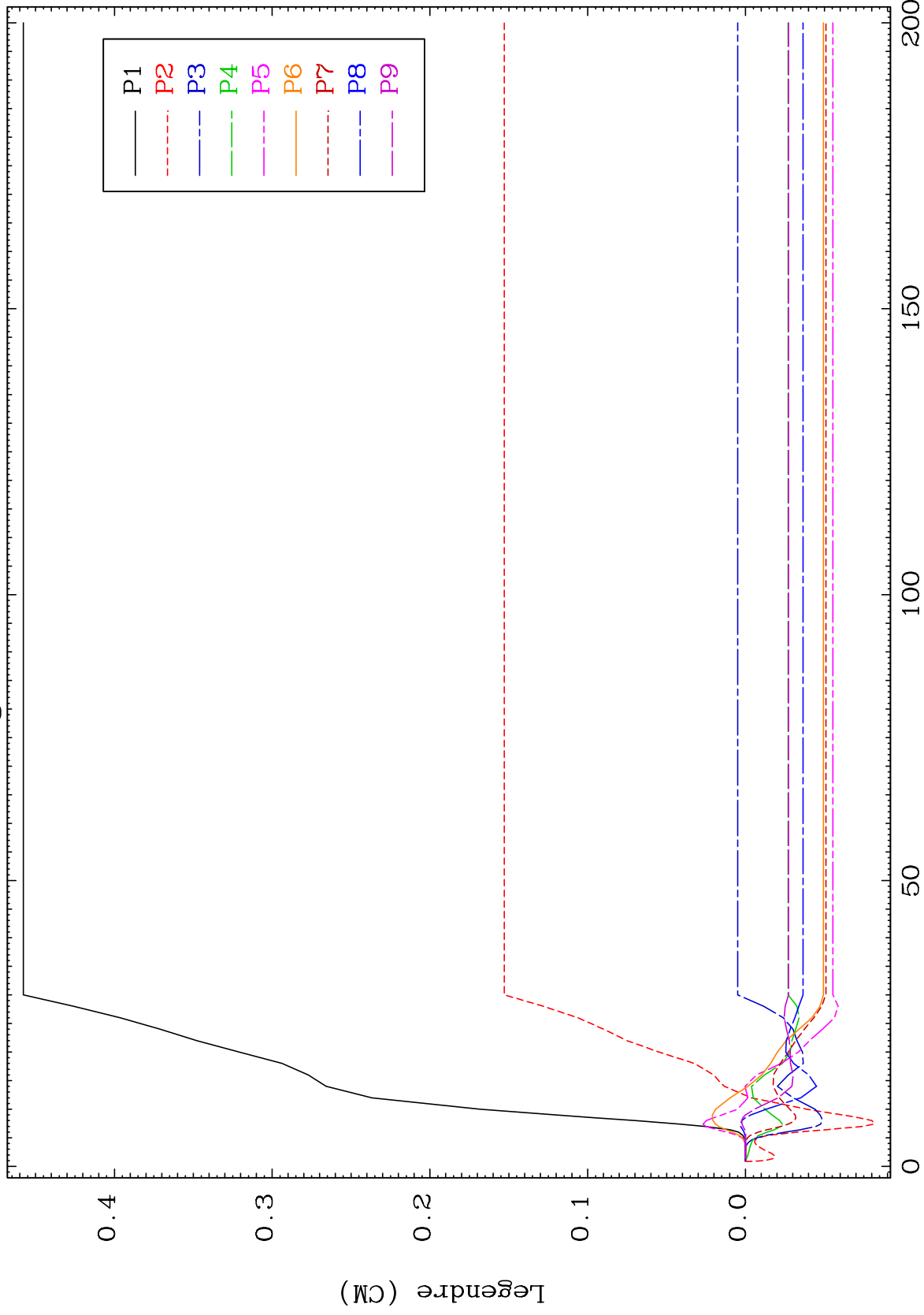
57-La-143



MAT 5740

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

57-La-143



63

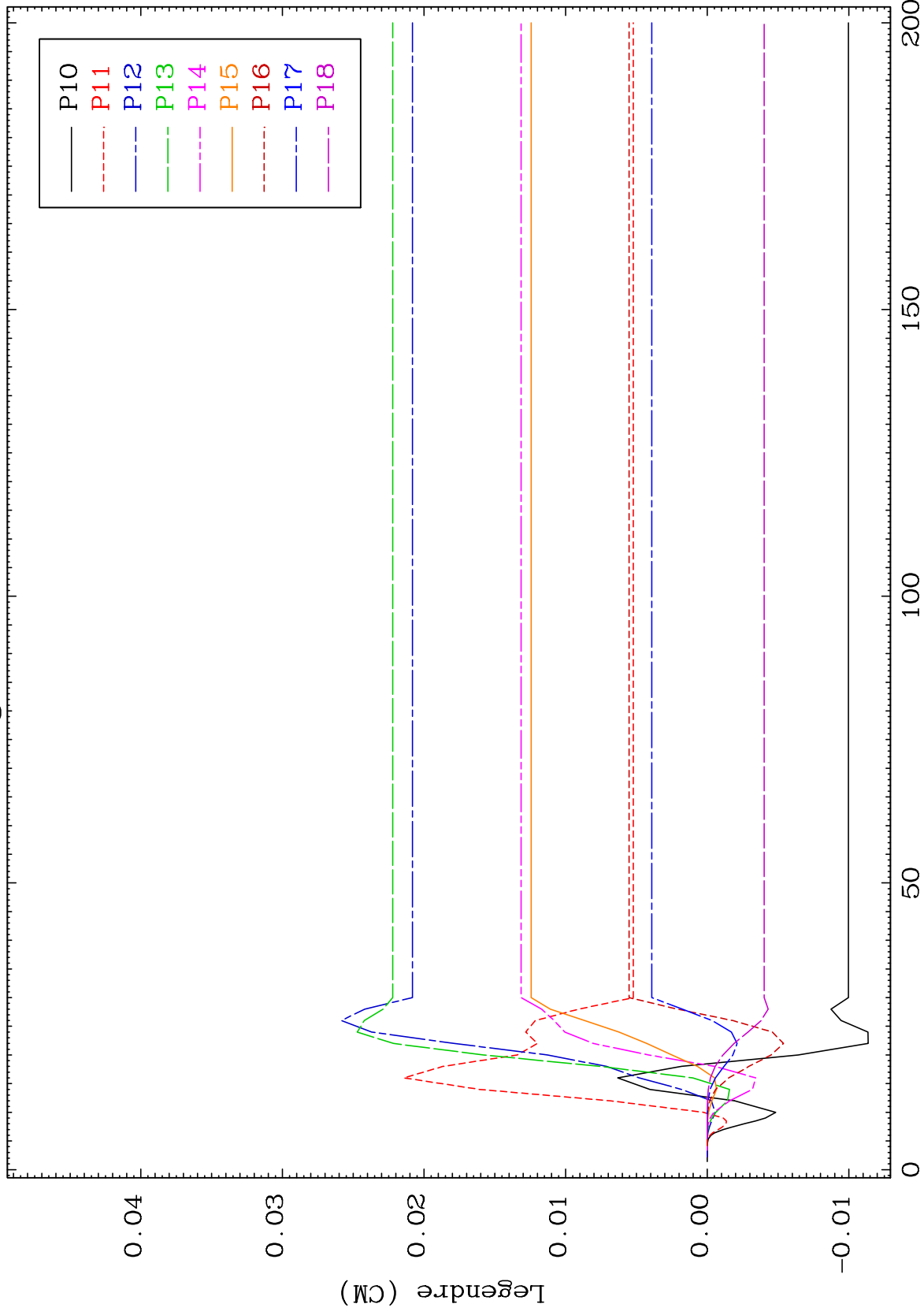
Incident Energy (MeV)

57-La-143

MAT 5740

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

57-La-143



64

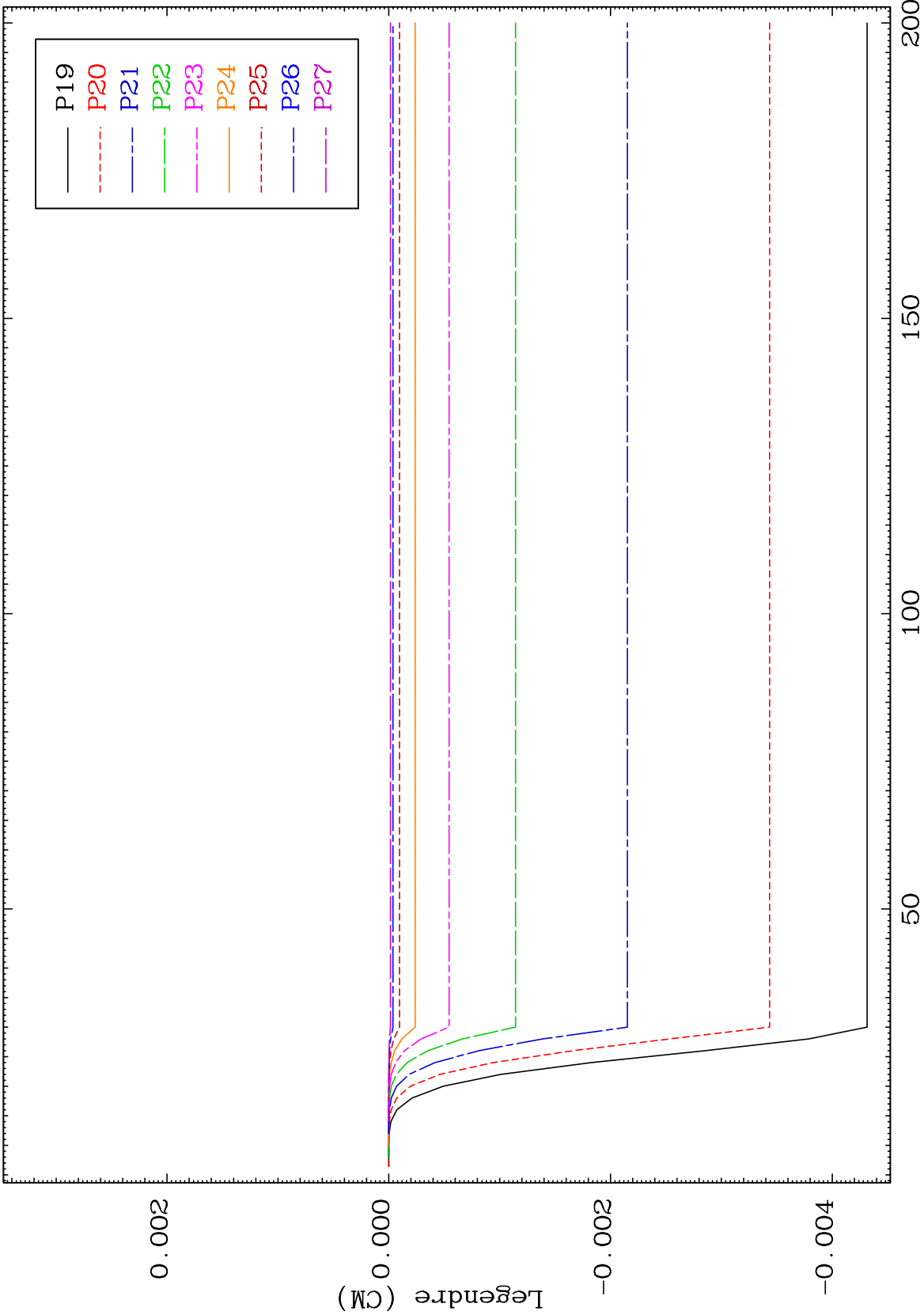
Incident Energy (MeV)

57-La-143

MAT 5740

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

57-La-143



65

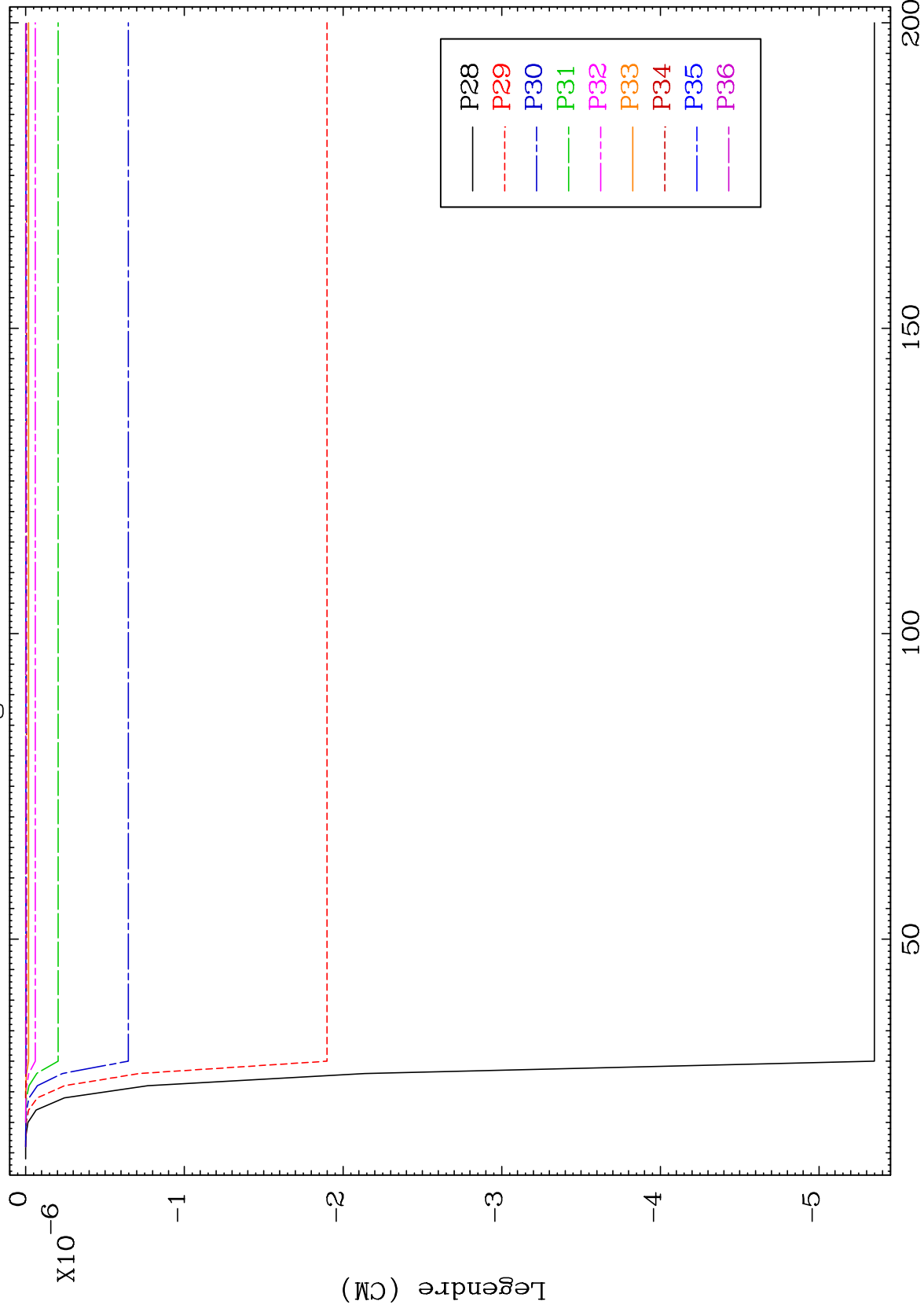
Incident Energy (MeV)

57-La-143

MAT 5740

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

57-La-143



66

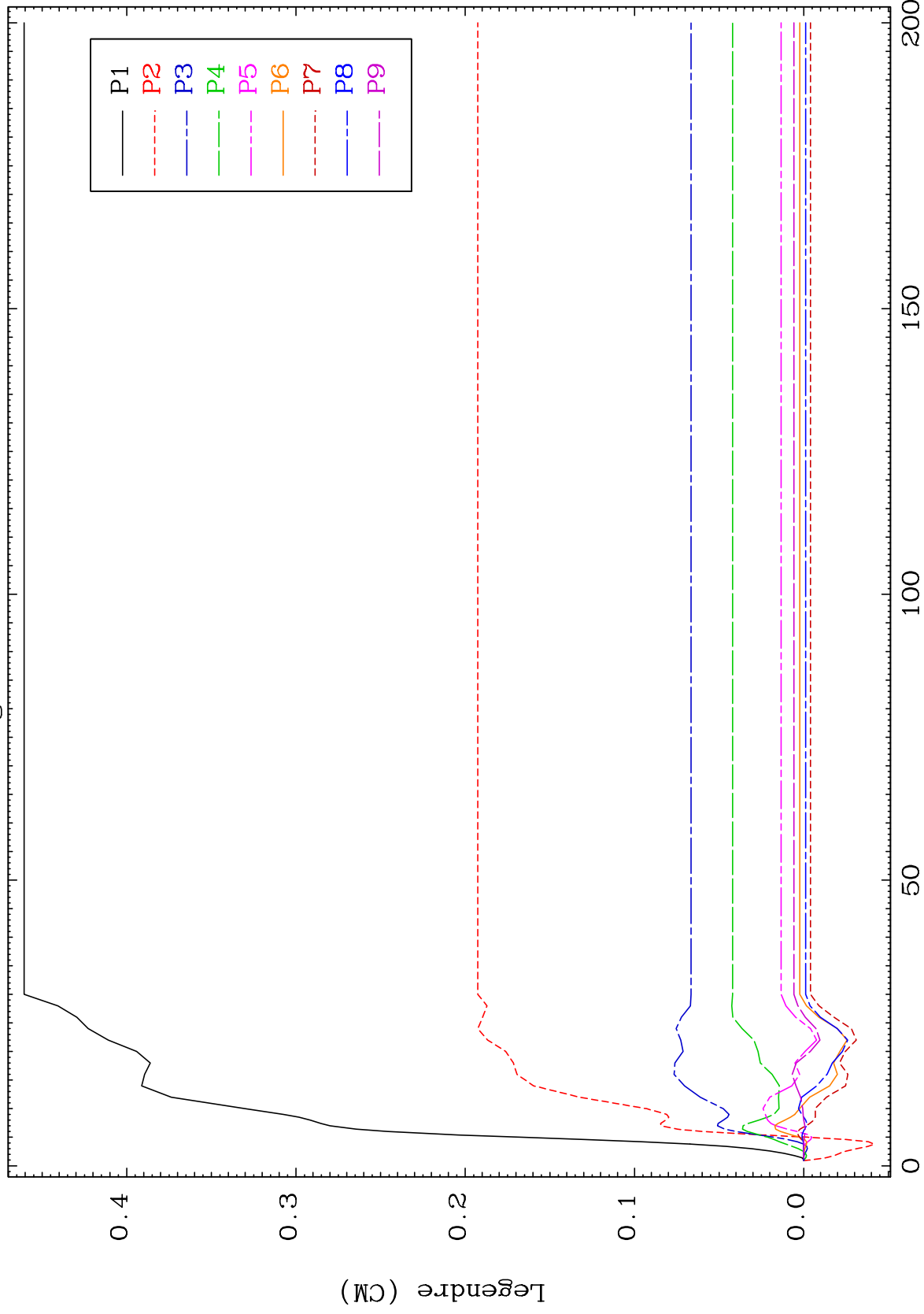
Incident Energy (MeV)

57-La-143

MAT 5740

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

57-La-143



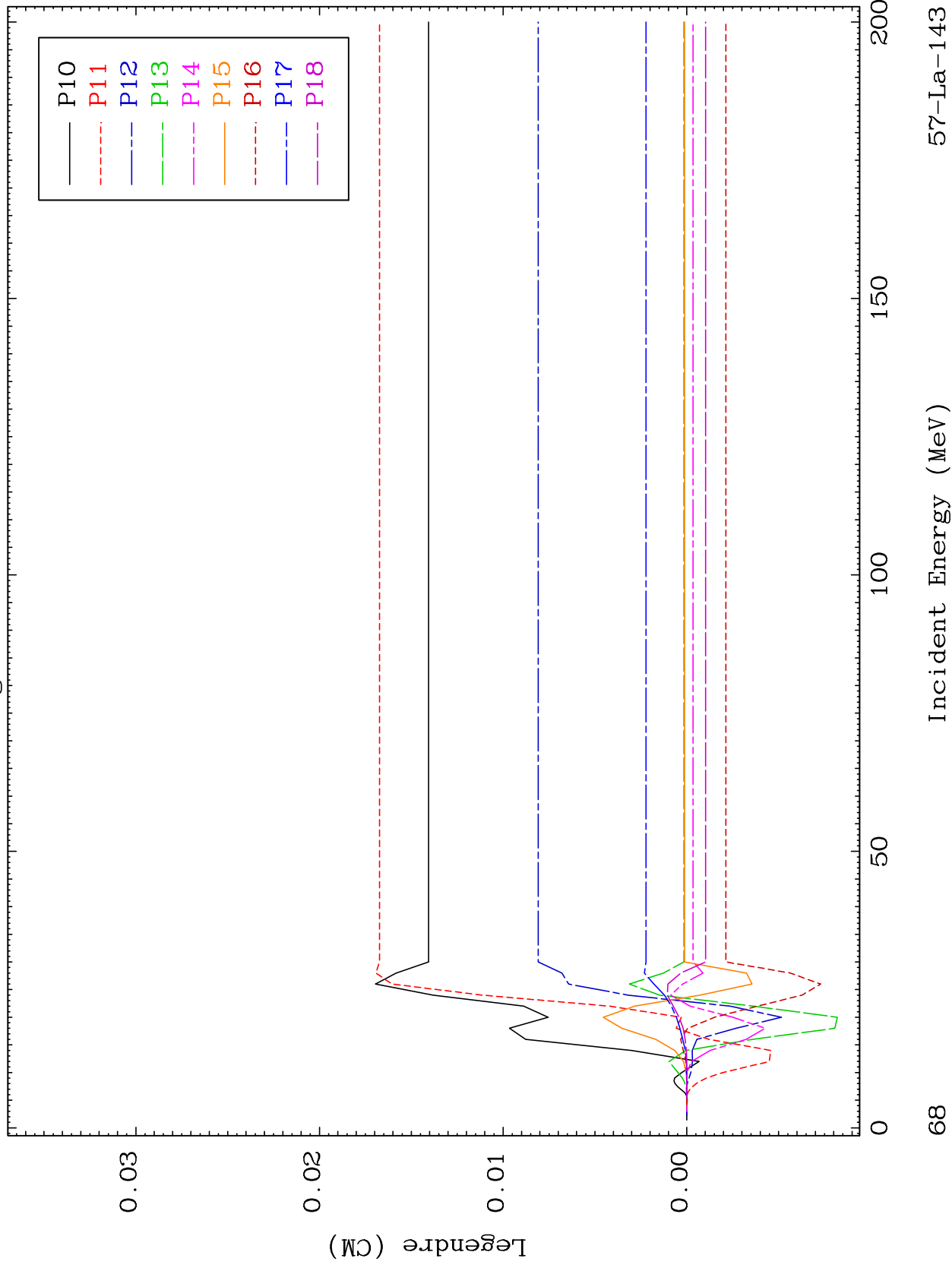
67

57-La-143

MAT 5740

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

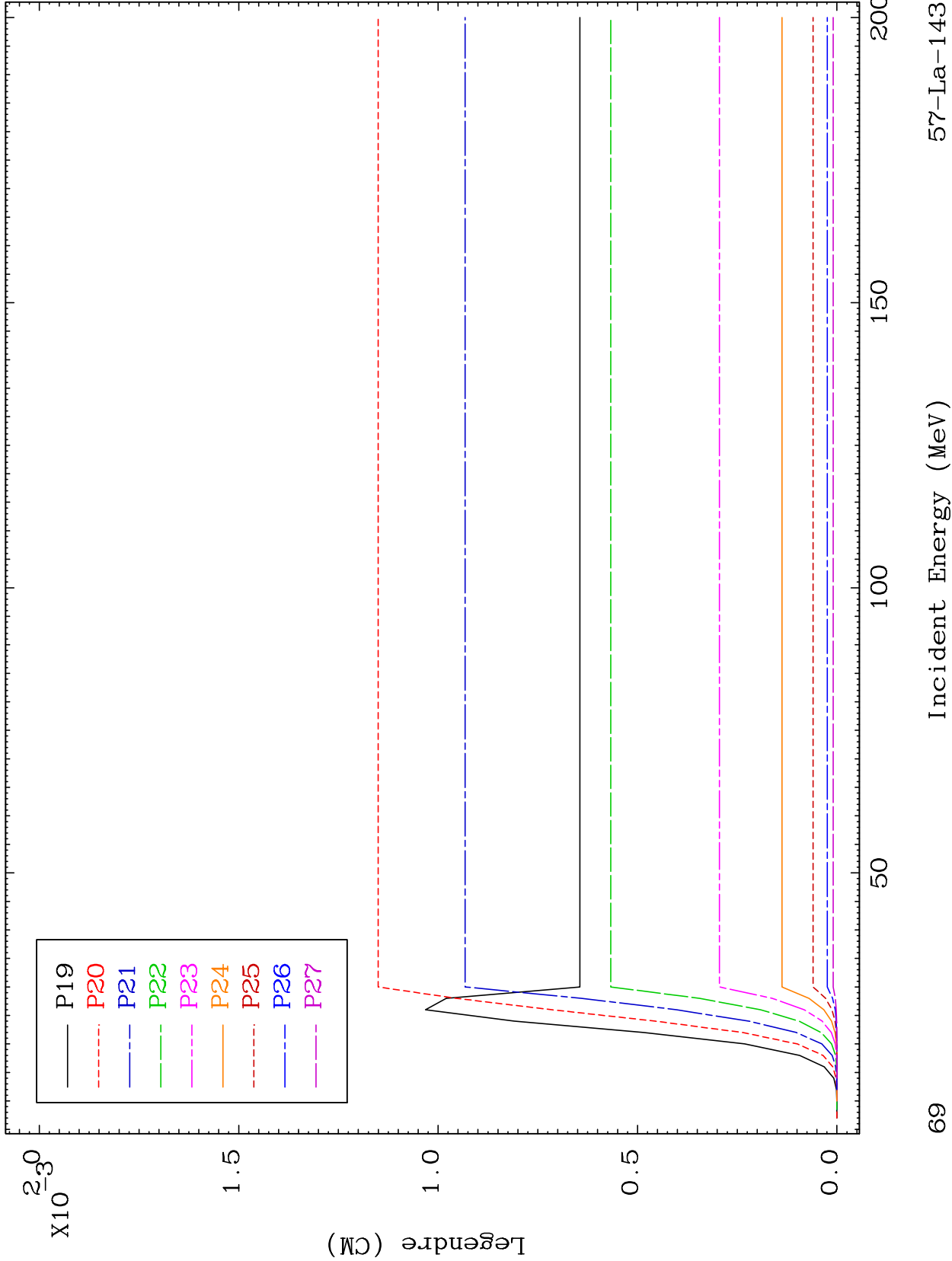
57-La-143



57-La-143

Incident Energy (MeV)

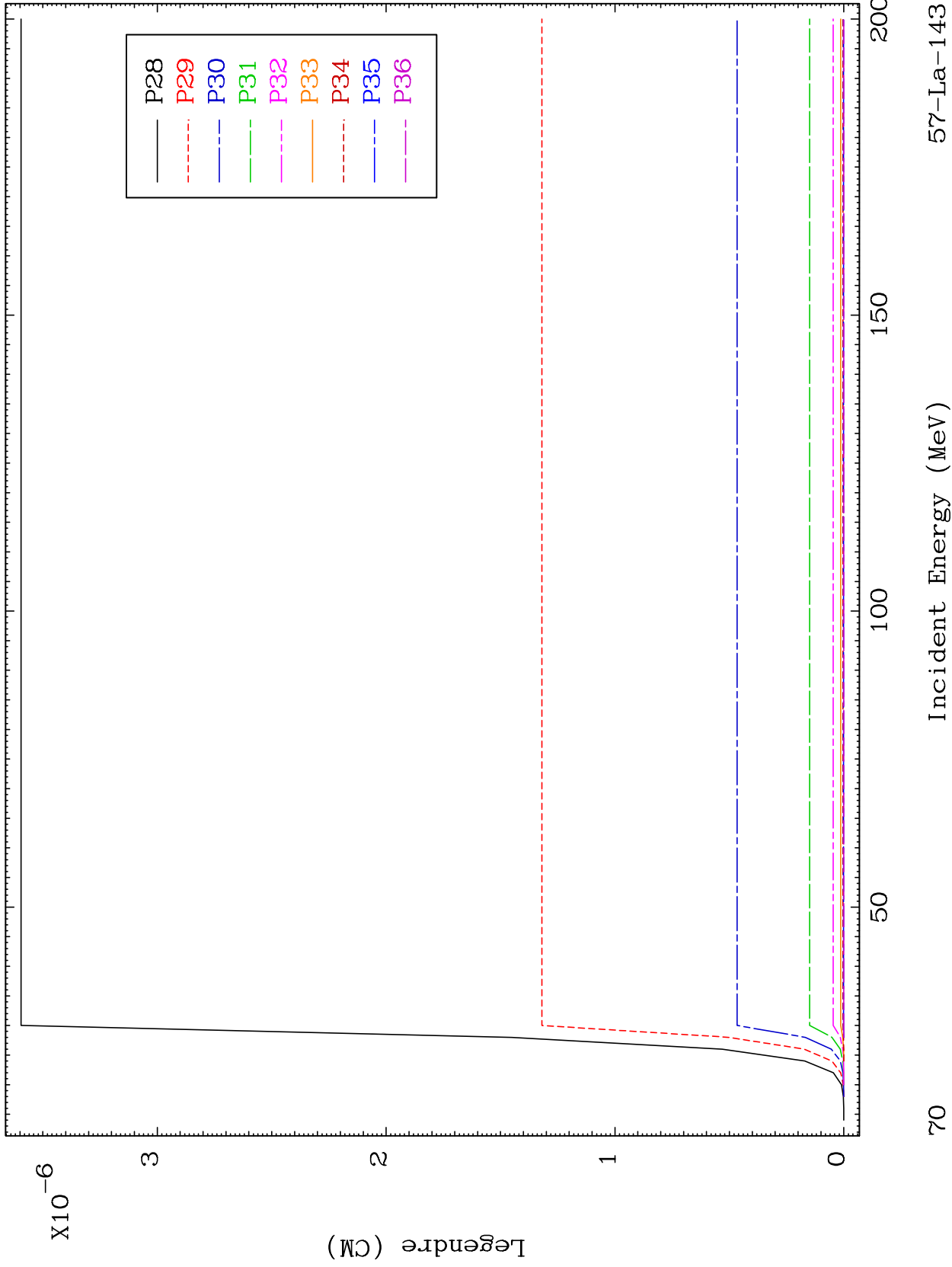
68



MAT 5740

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

57-La-143



57-La-143

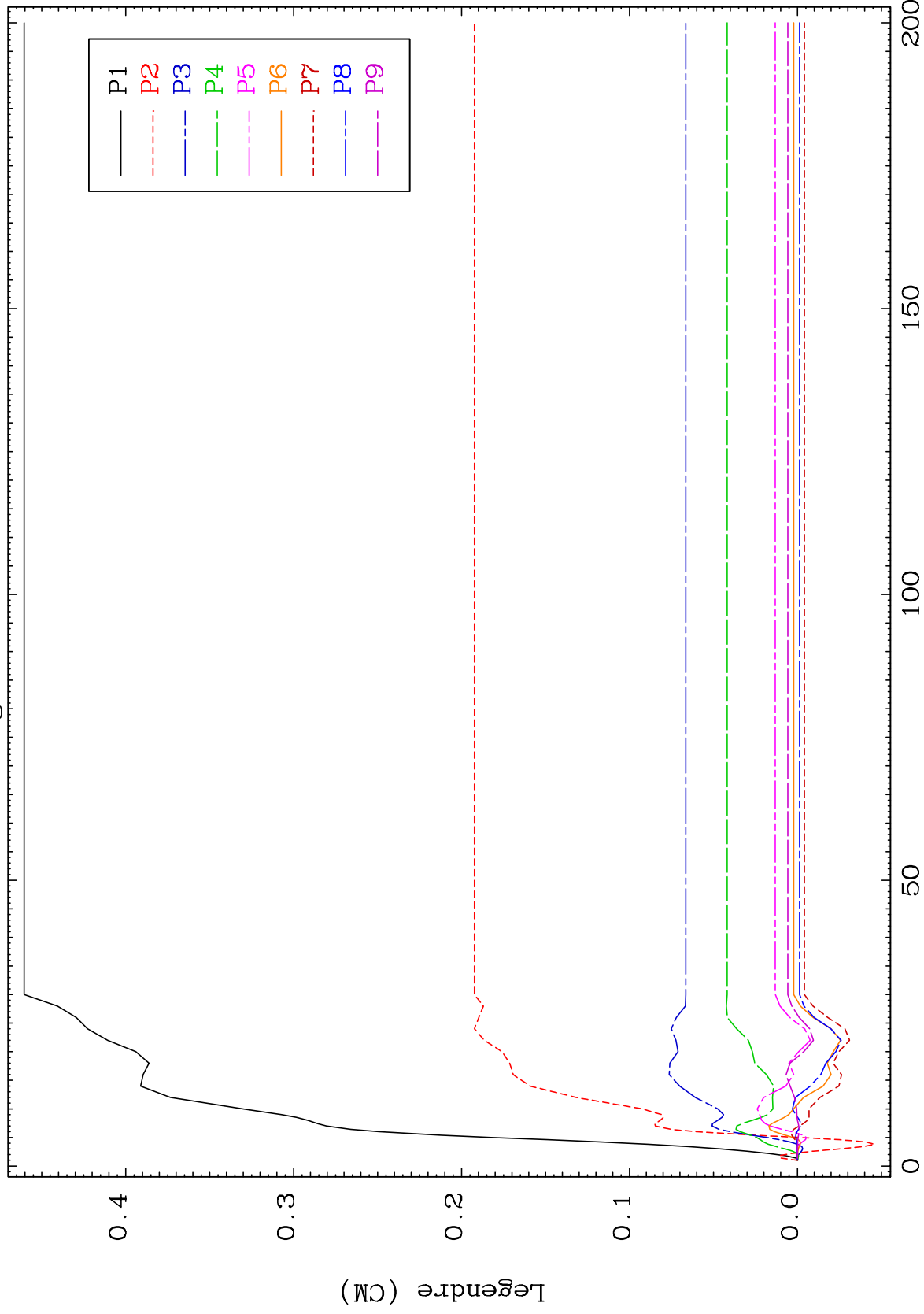
Incident Energy (MeV)

70

MAT 5740

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

57-La-143



71

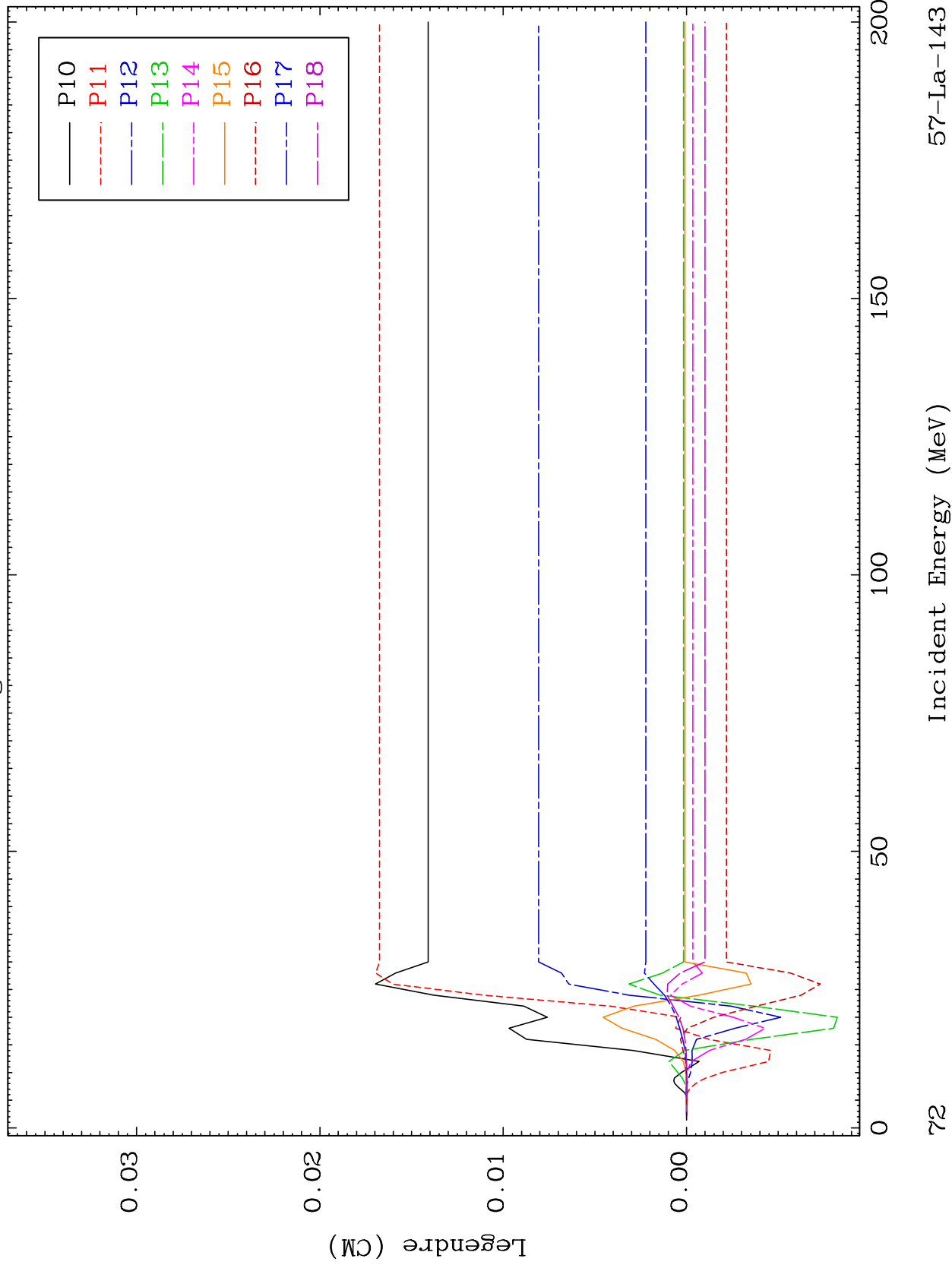
Incident Energy (MeV)

57-La-143

MAT 5740

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

57-La-143



57-La-143

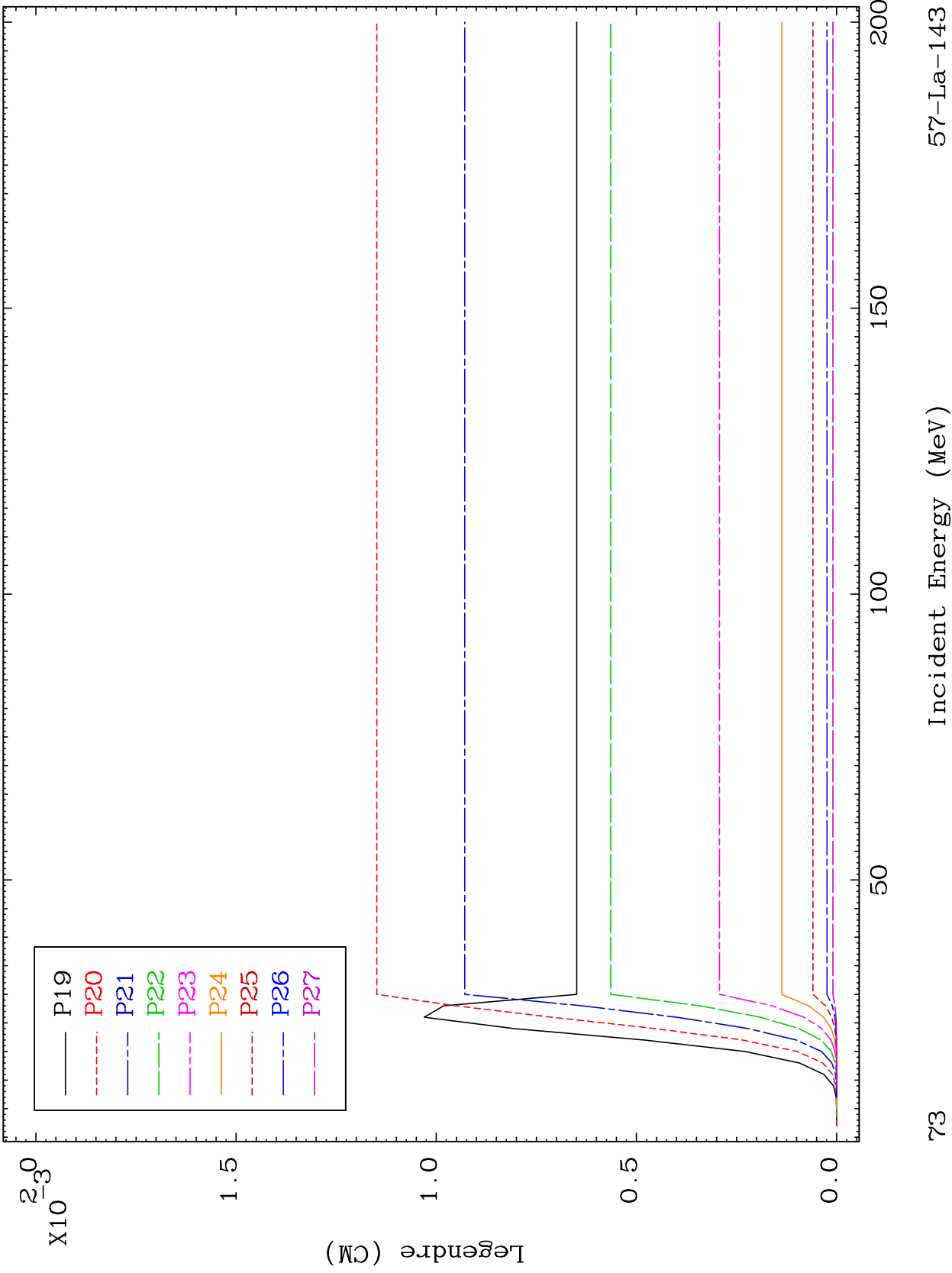
Incident Energy (MeV)

72

MAT 5740

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

57-La-143



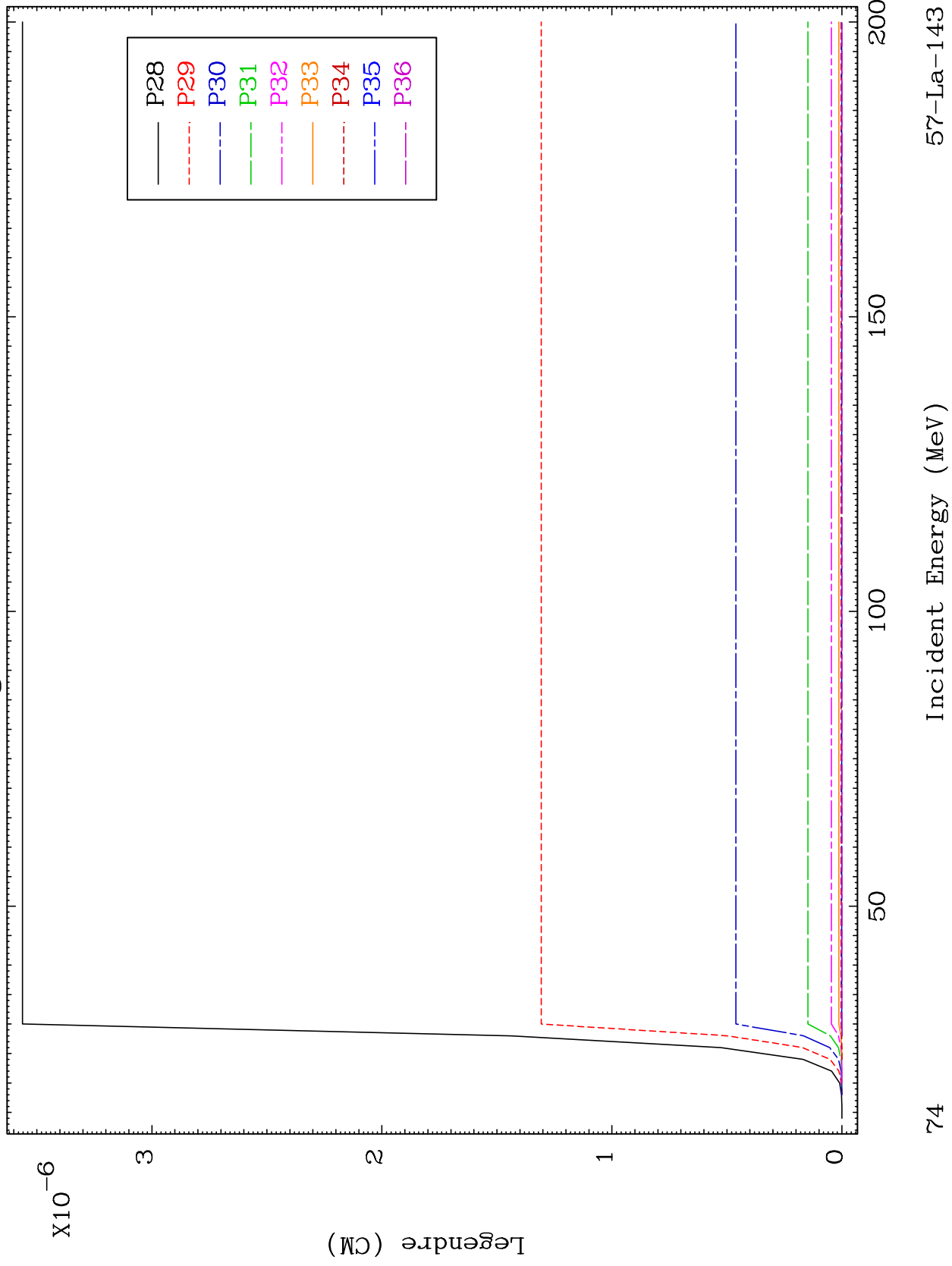
73

57-La-143

MAT 5740

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

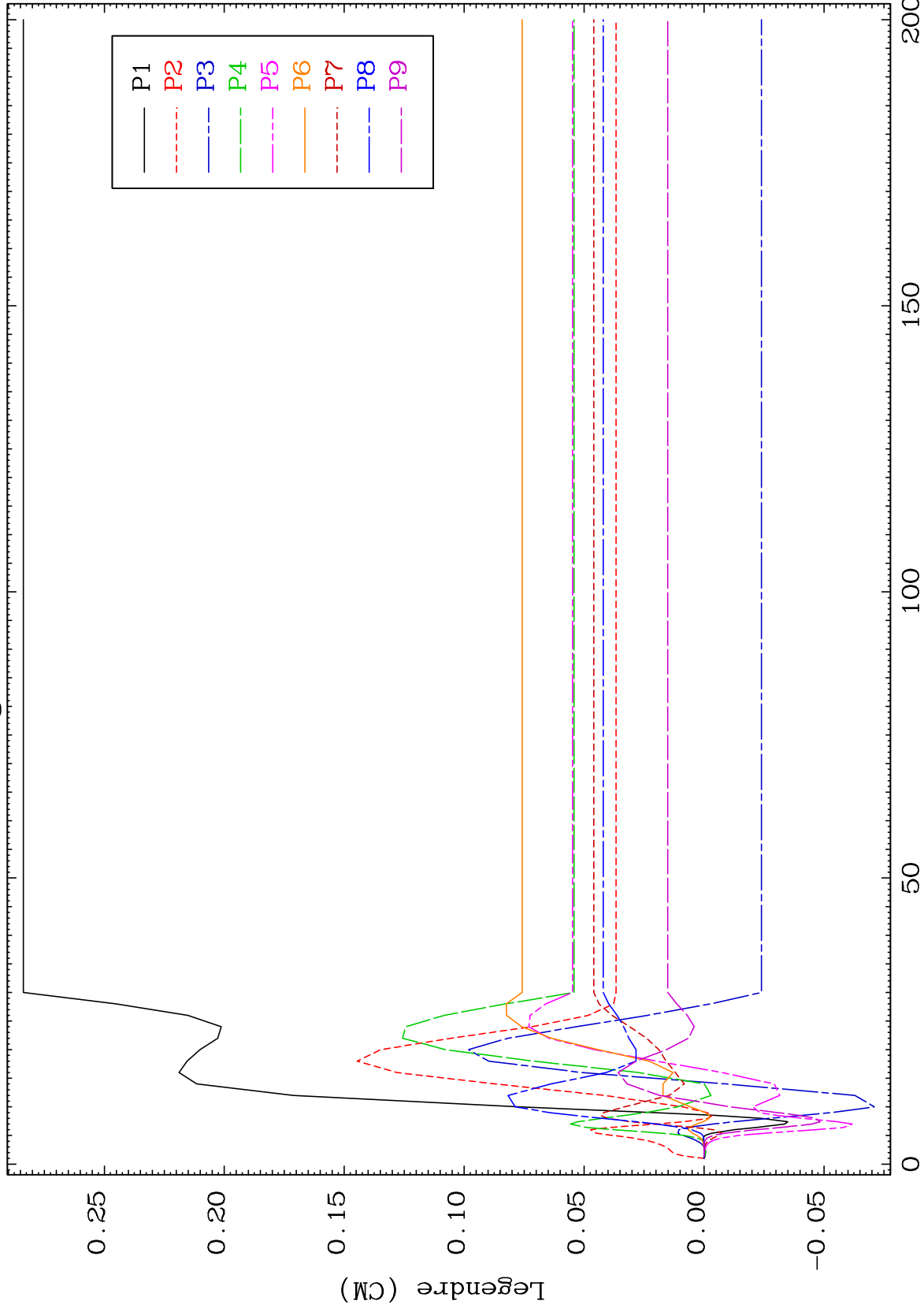
57-La-143



MAT 5740

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

57-La-143



57-La-143

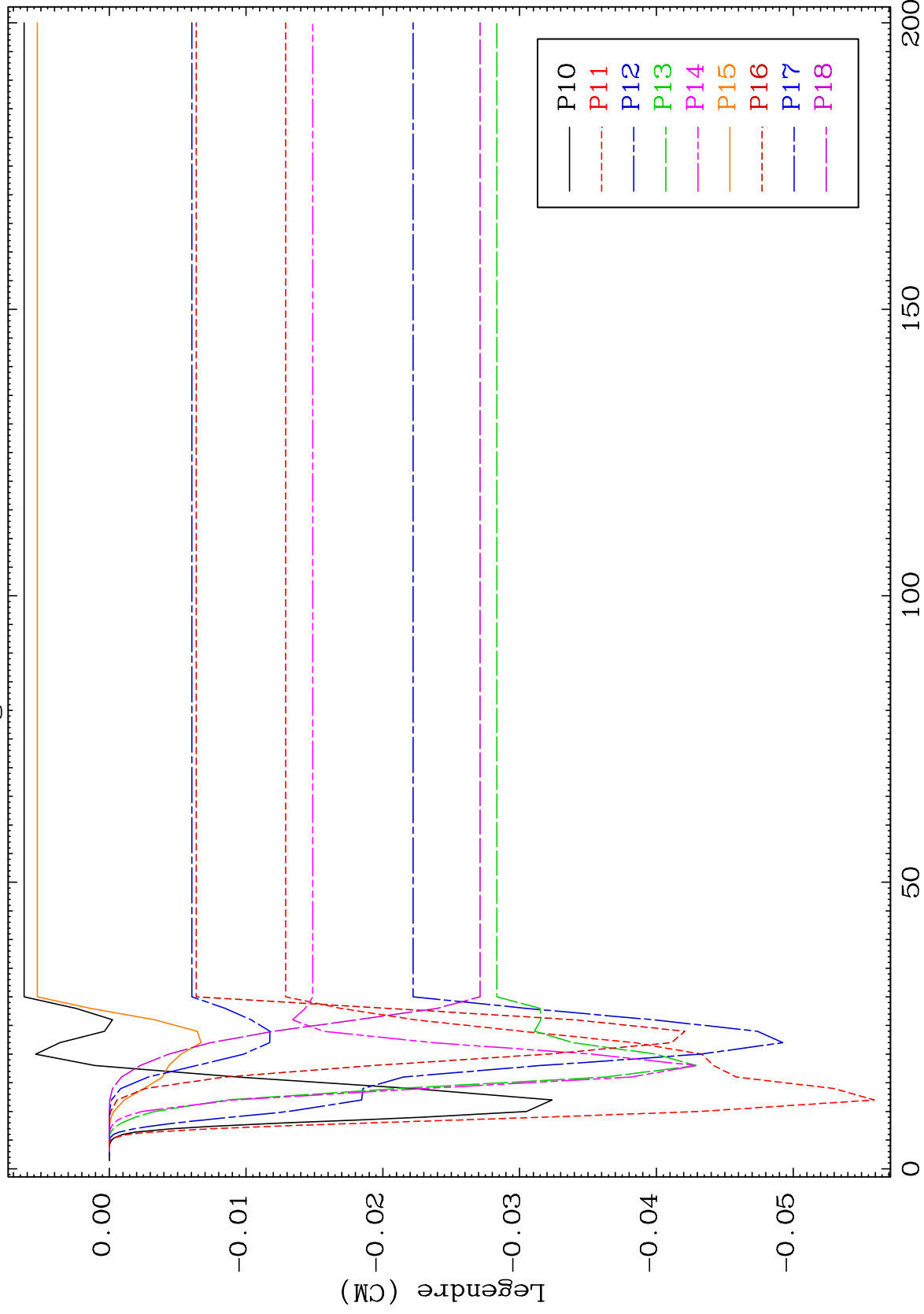
Incident Energy (MeV)

75

MAT 5740

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

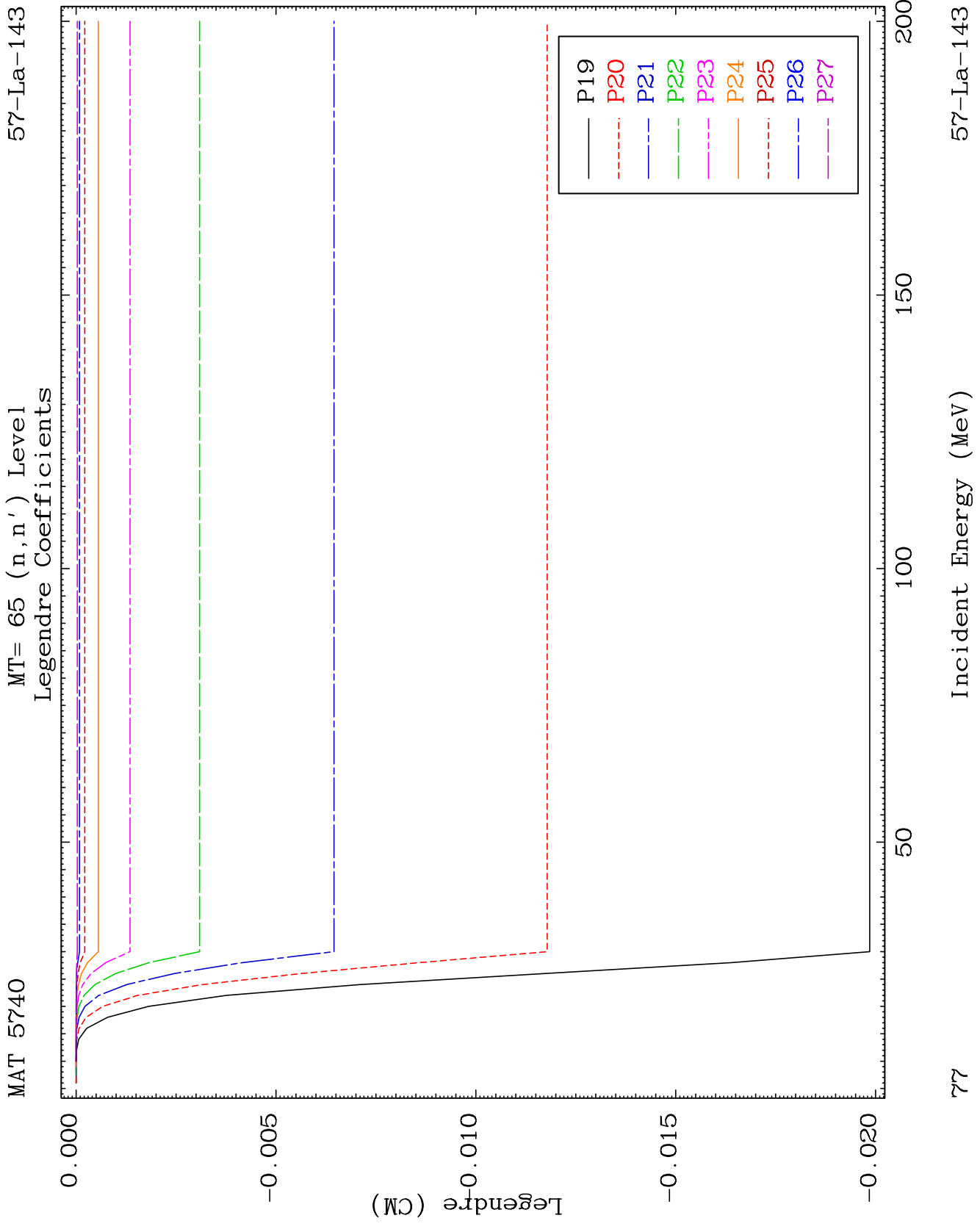
57-La-143

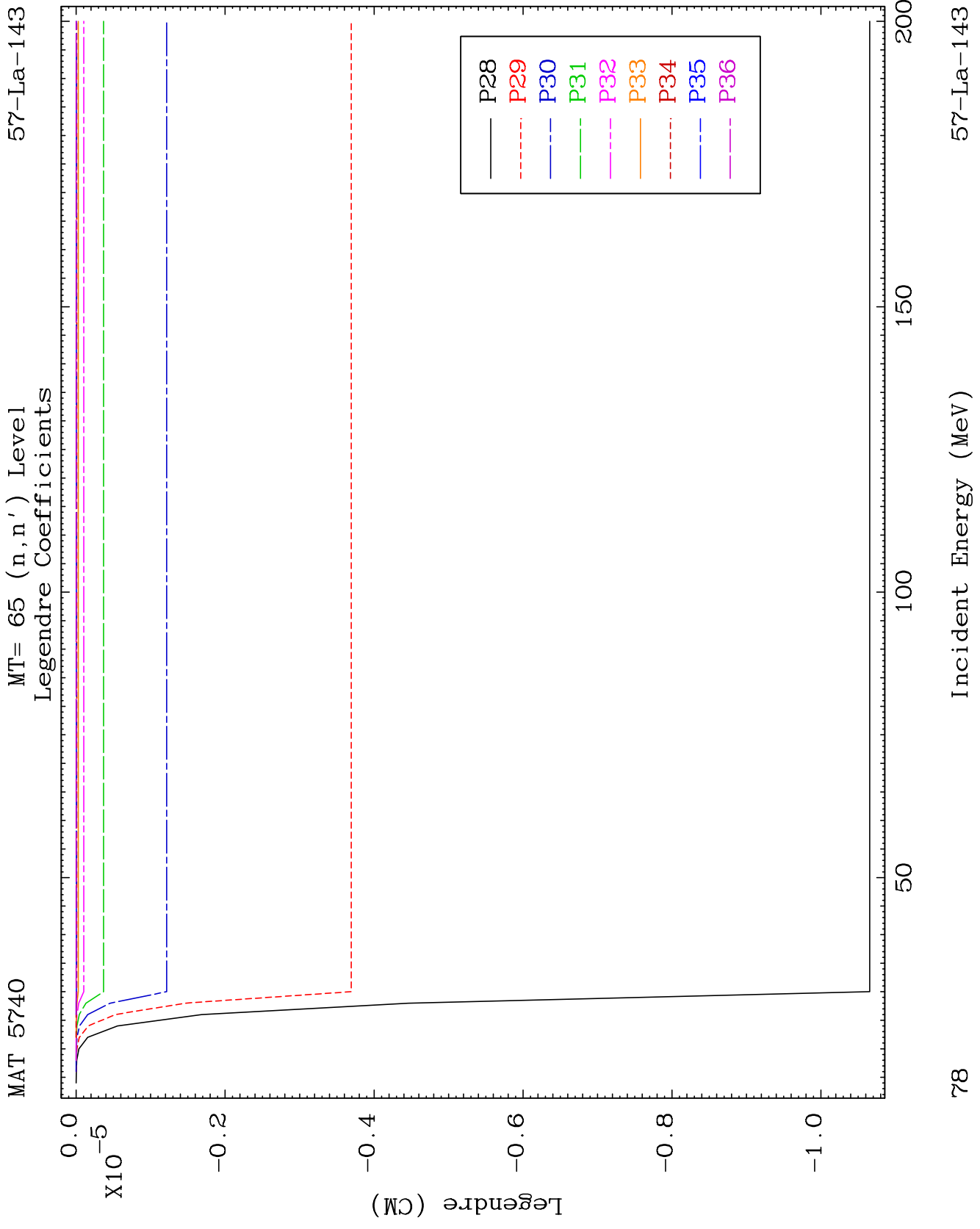


76

Incident Energy (MeV)

57-La-143

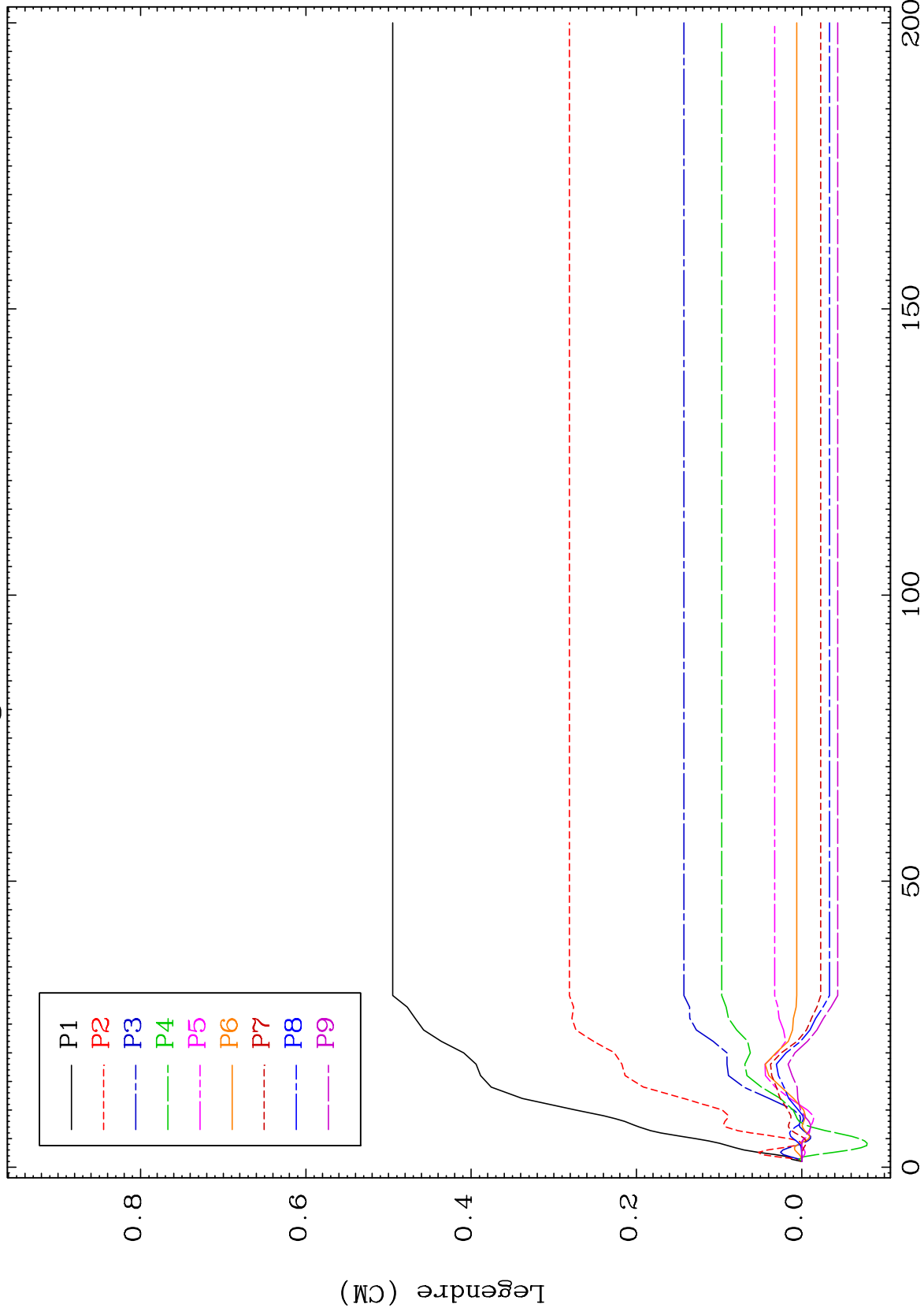




MAT 5740

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

57-La-143



79

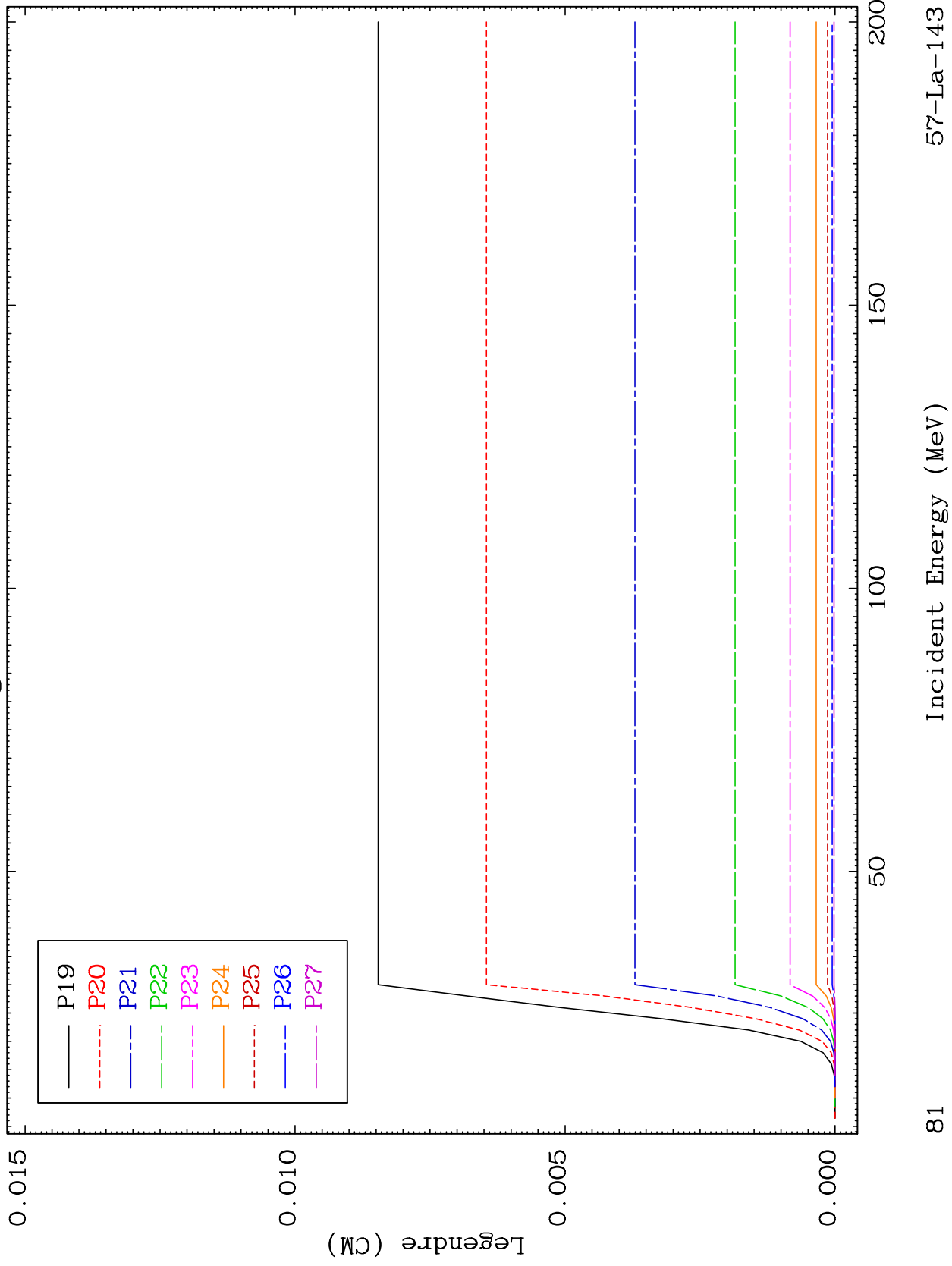
Incident Energy (MeV)

57-La-143

MAT 5740

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

57-La-143



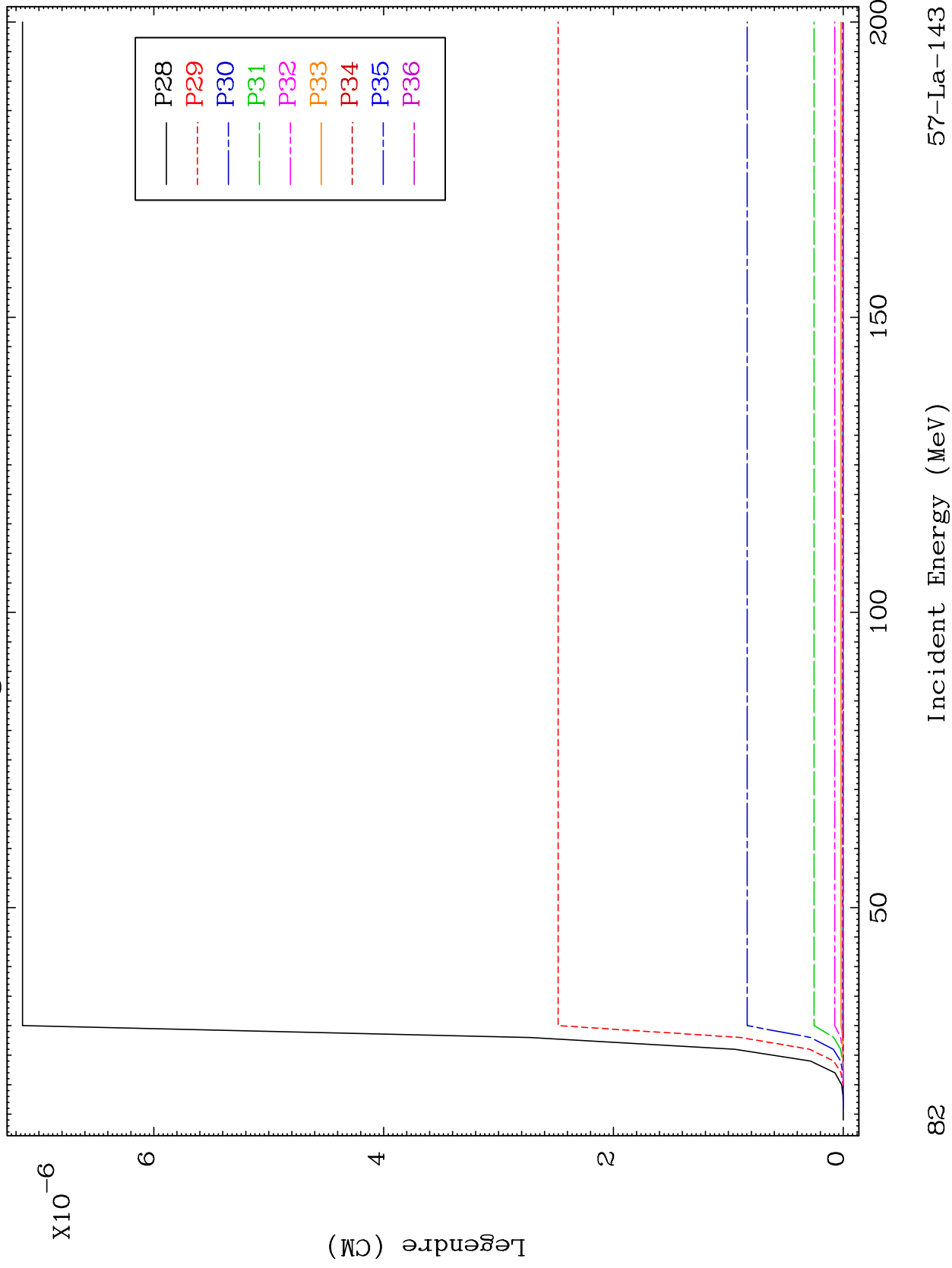
81

57-La-143

MAT 5740

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

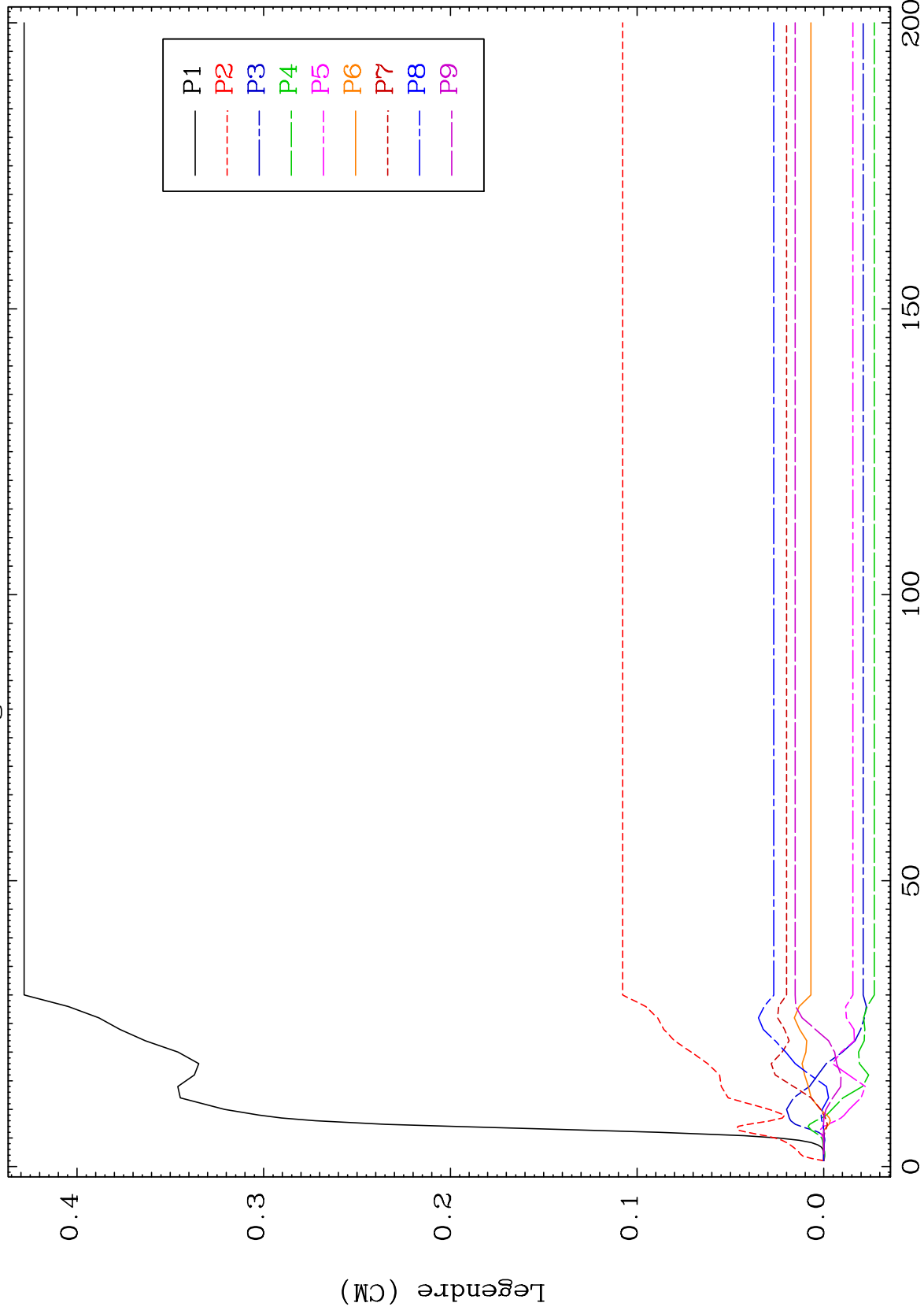
57-La-143



MAT 5740

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

57-La-143



83

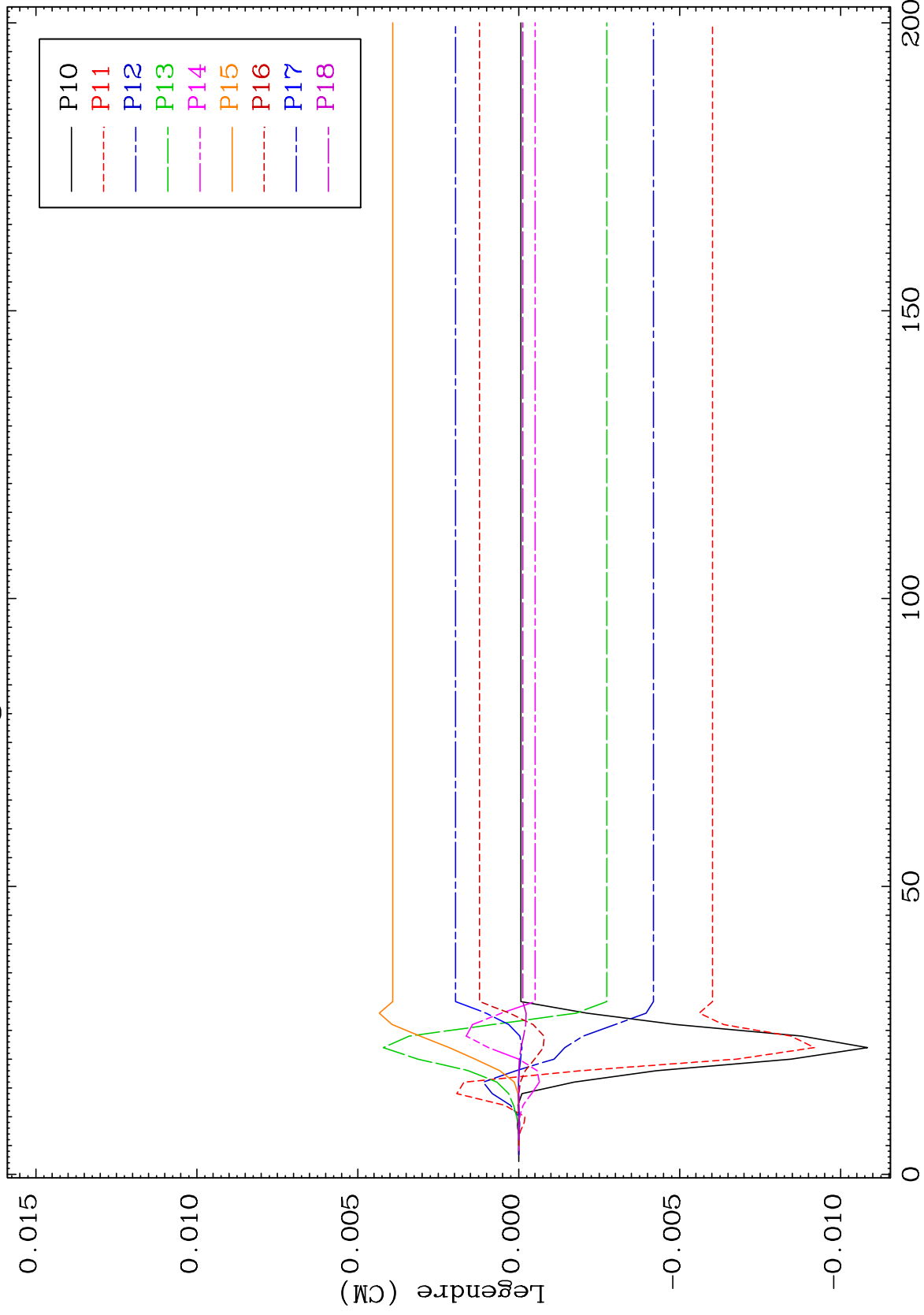
Incident Energy (MeV)

57-La-143

MAT 5740

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

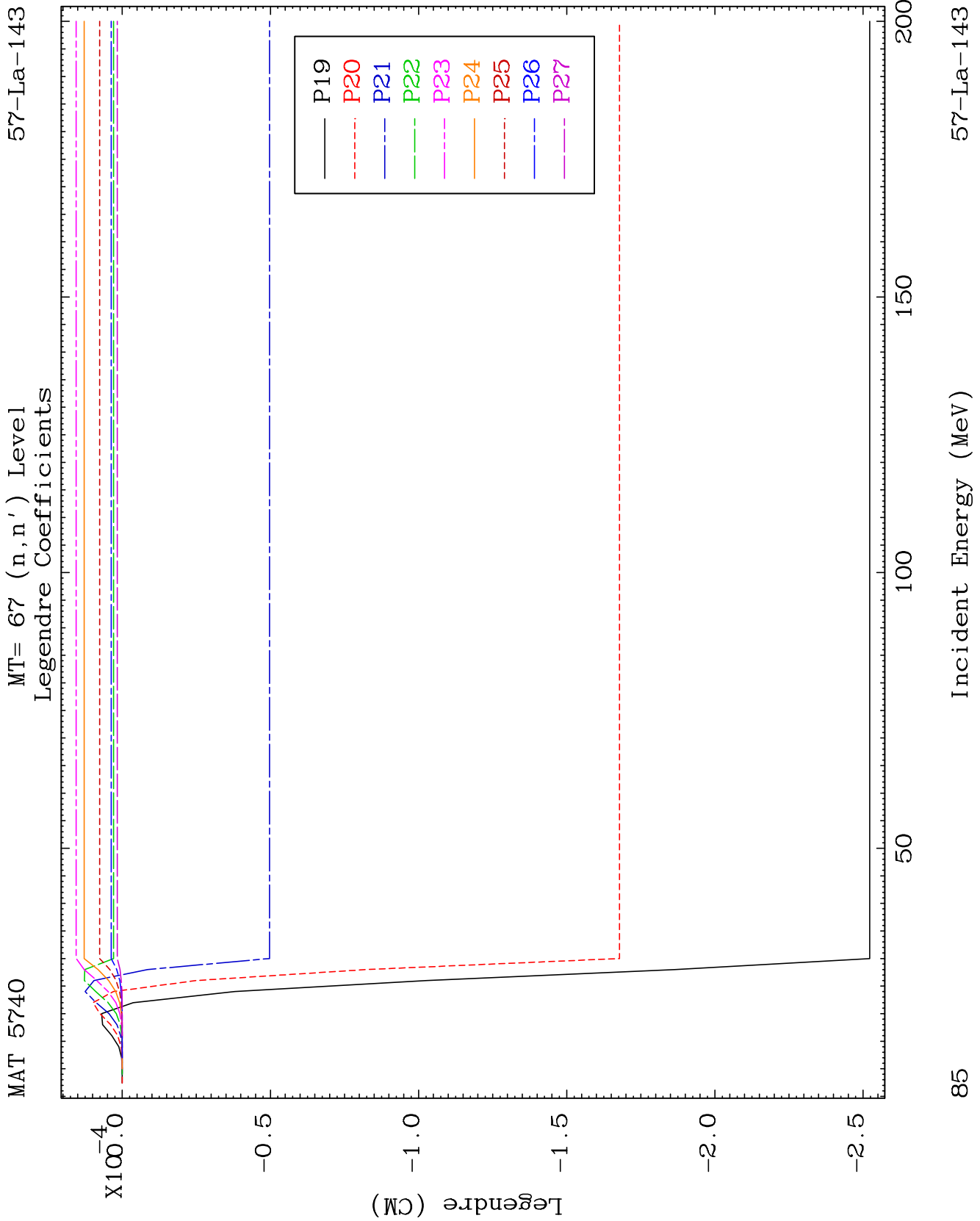
57-La-143



84

Incident Energy (MeV)

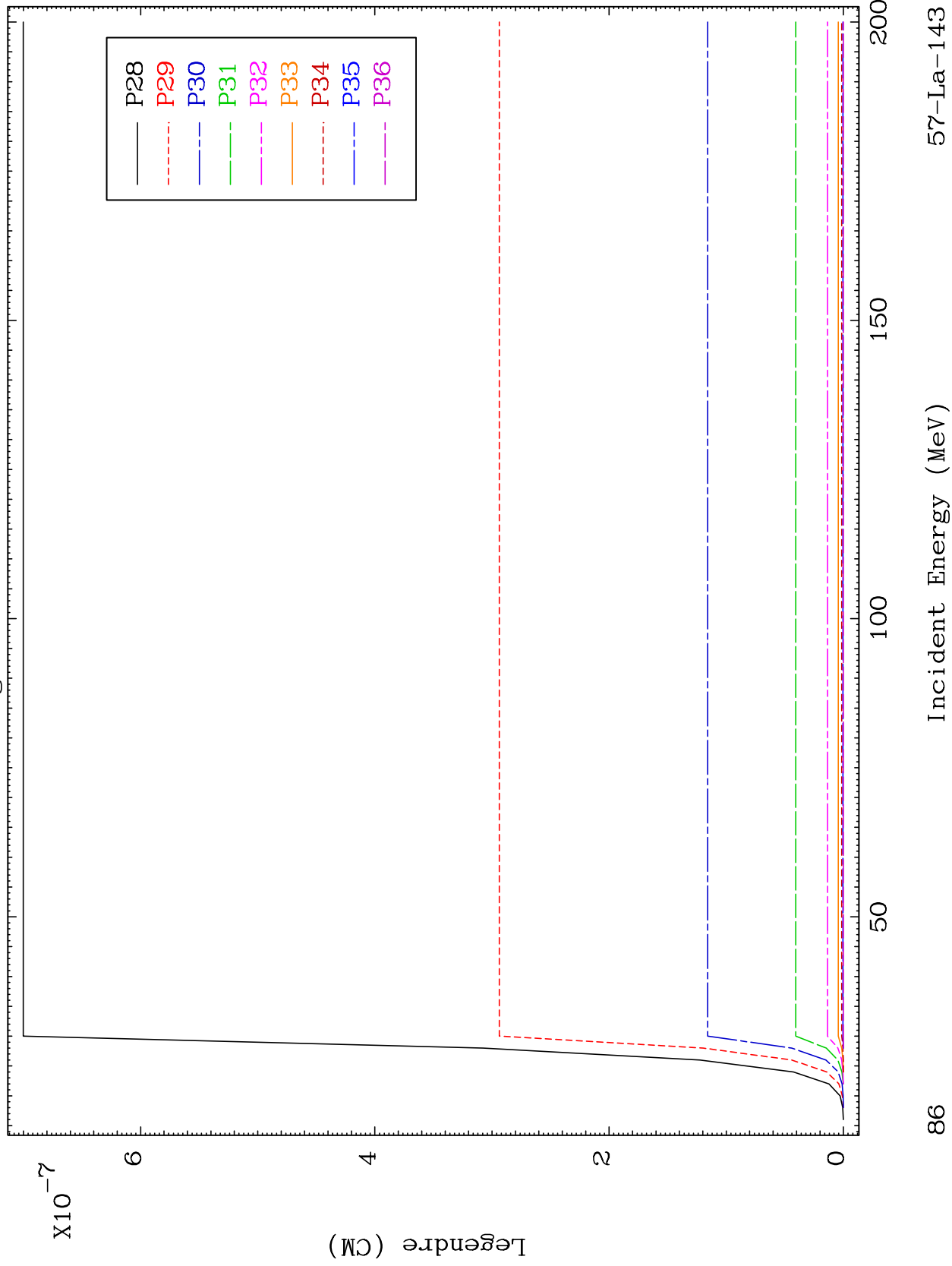
57-La-143



MAT 5740

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

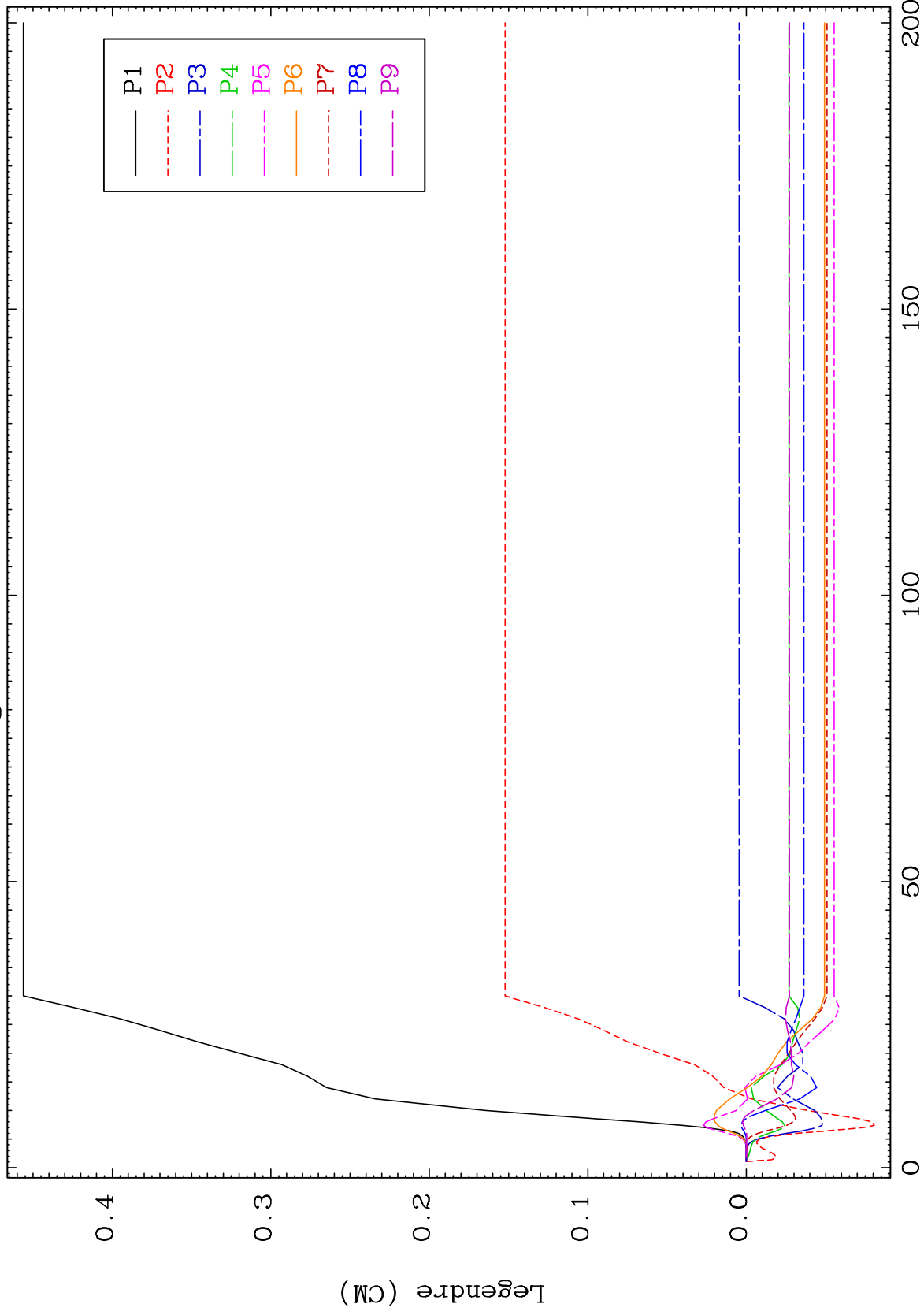
57-La-143



MAT 5740

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

57-La-143



57-La-143

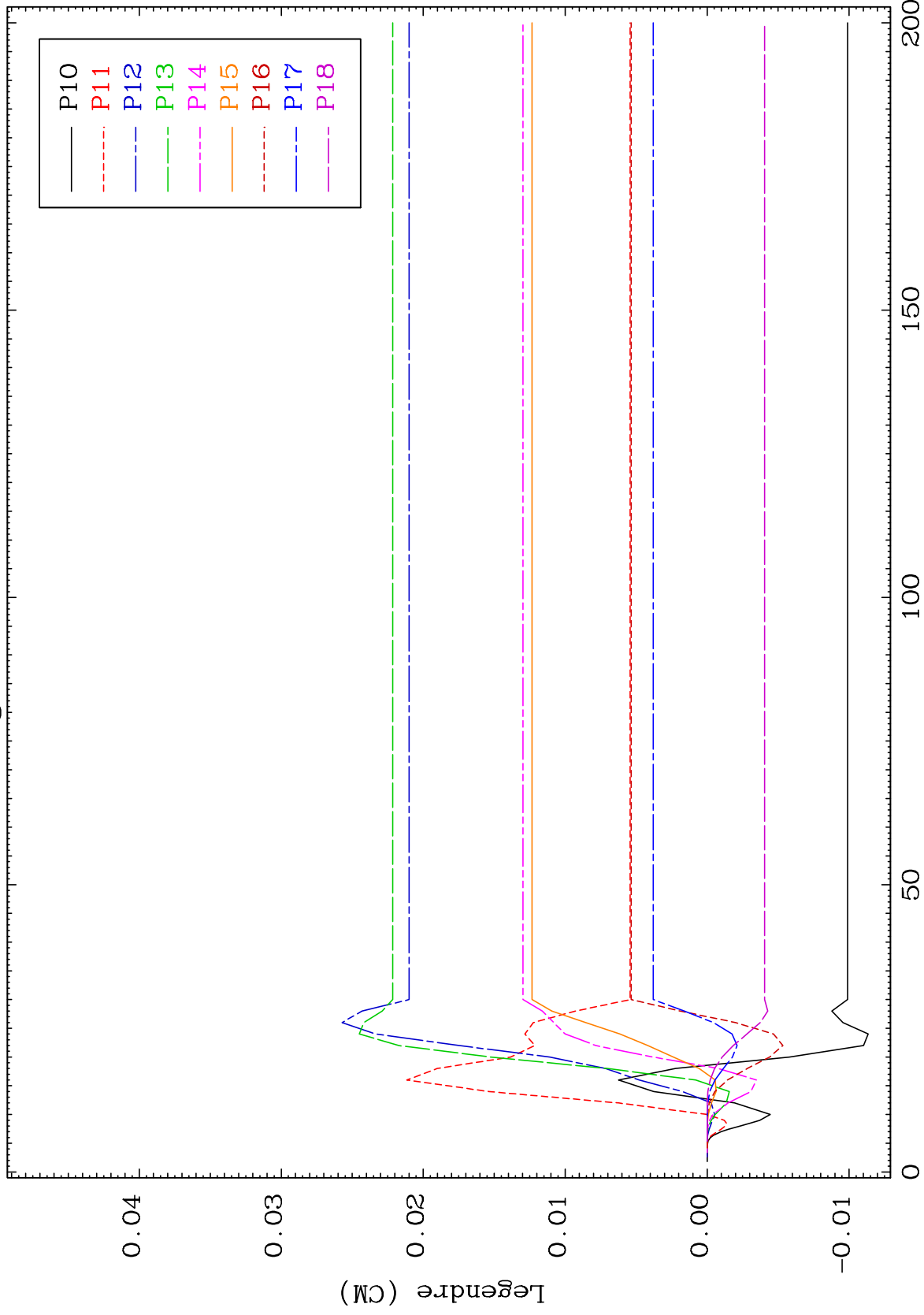
Incident Energy (MeV)

87

MAT 5740

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

57-La-143



88

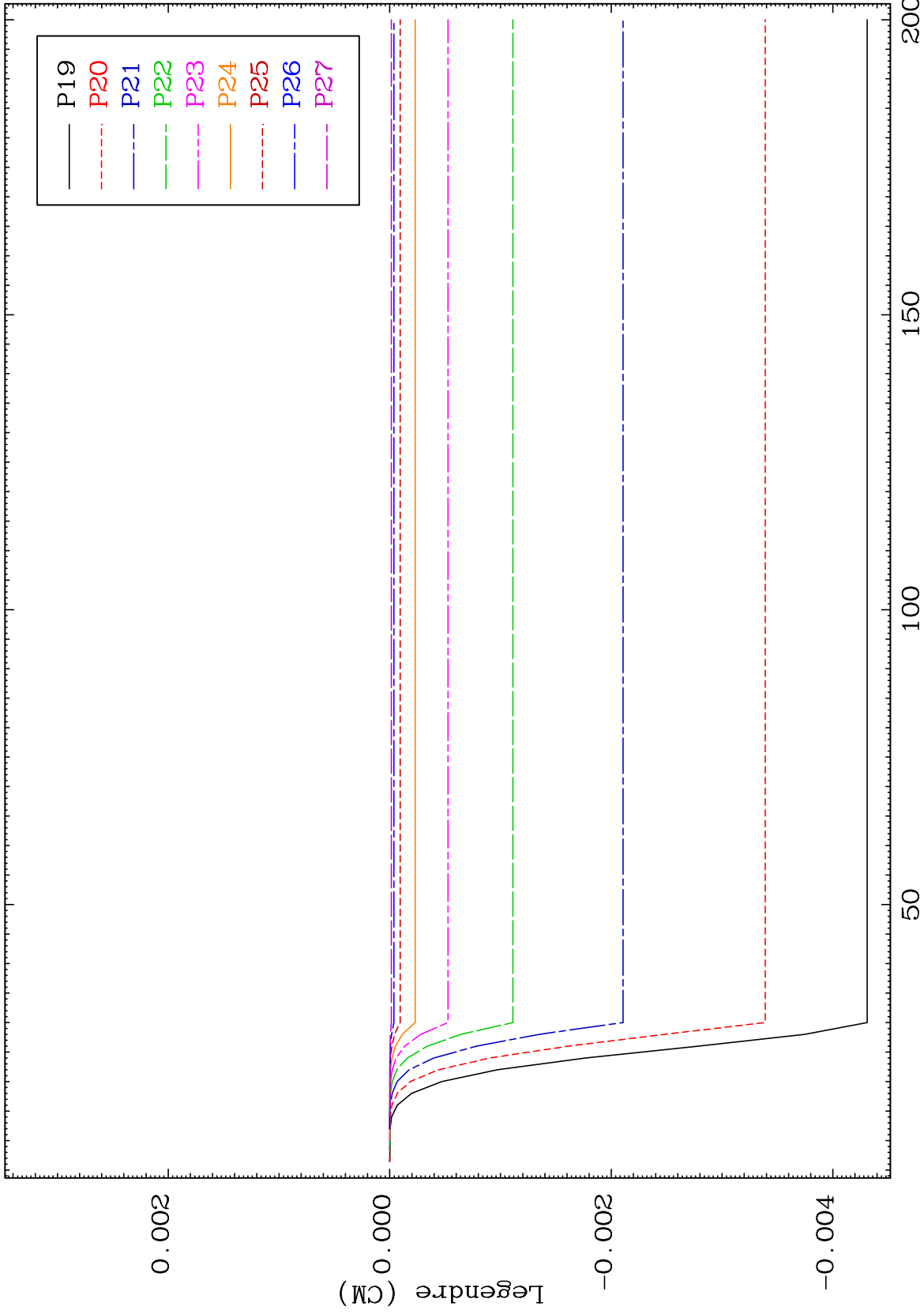
Incident Energy (MeV)

57-La-143

MAT 5740

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

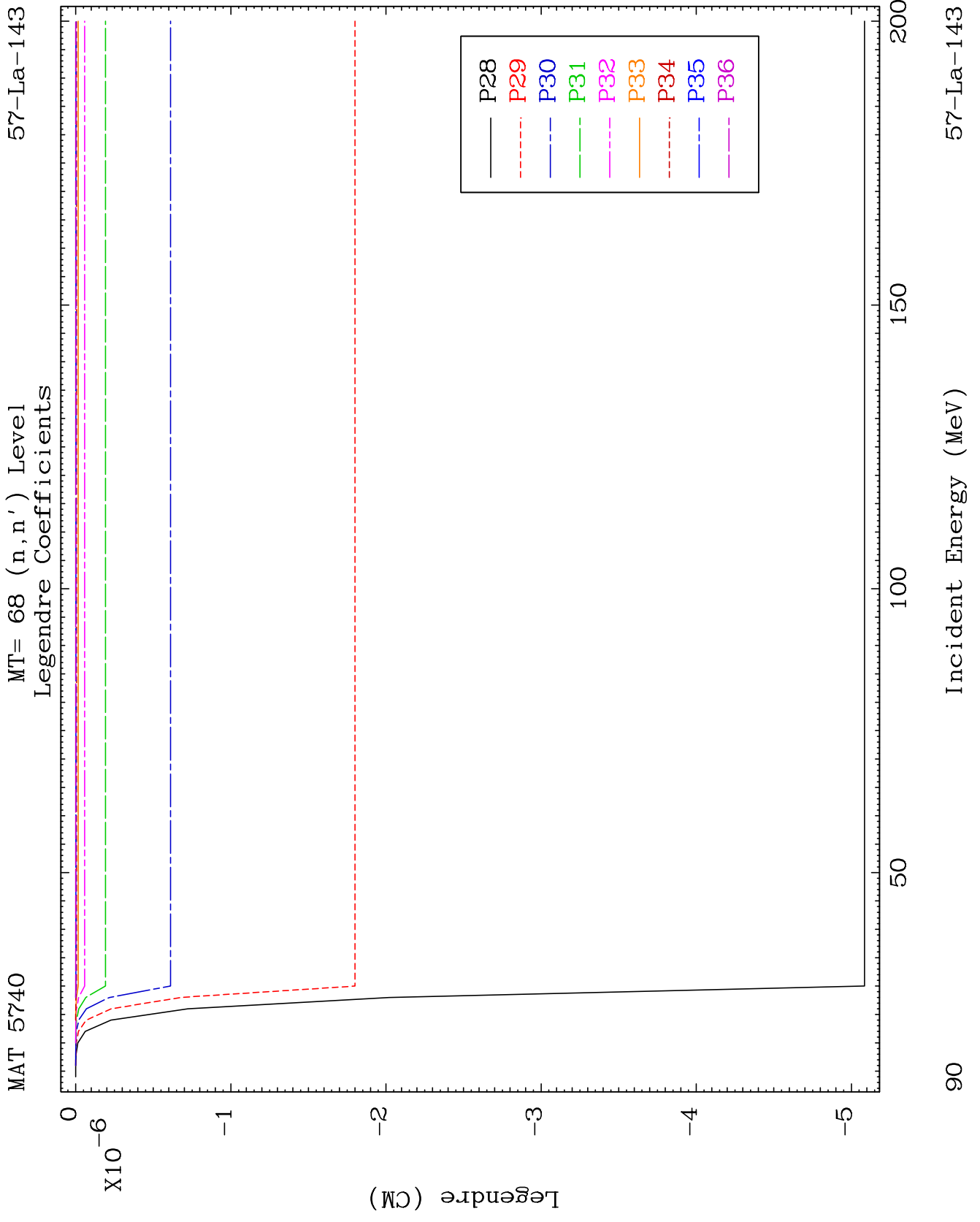
57-La-143



89

Incident Energy (MeV)

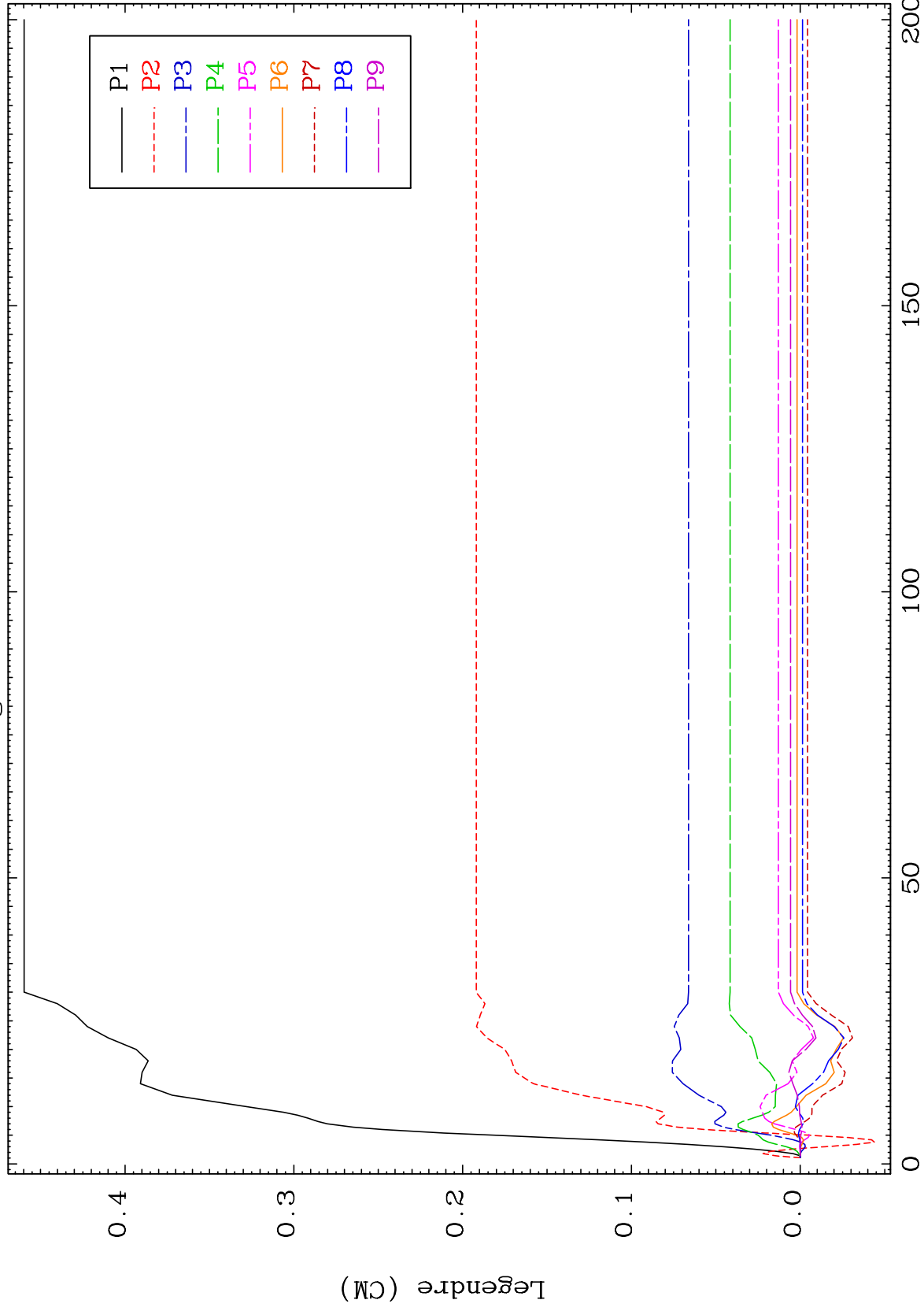
57-La-143



MAT 5740

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

57-La-143



91

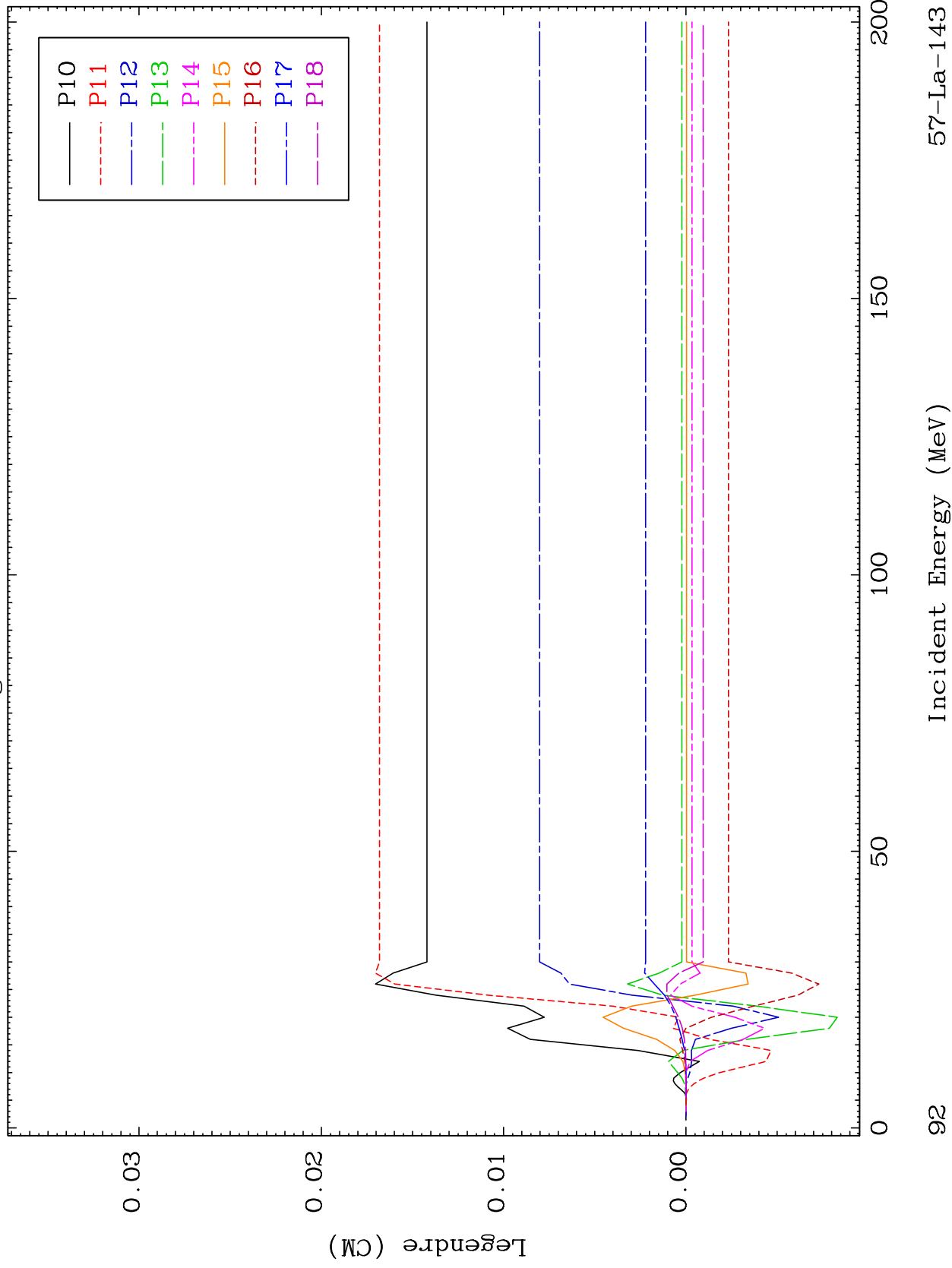
Incident Energy (MeV)

57-La-143

MAT 5740

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

57-La-143



57-La-143

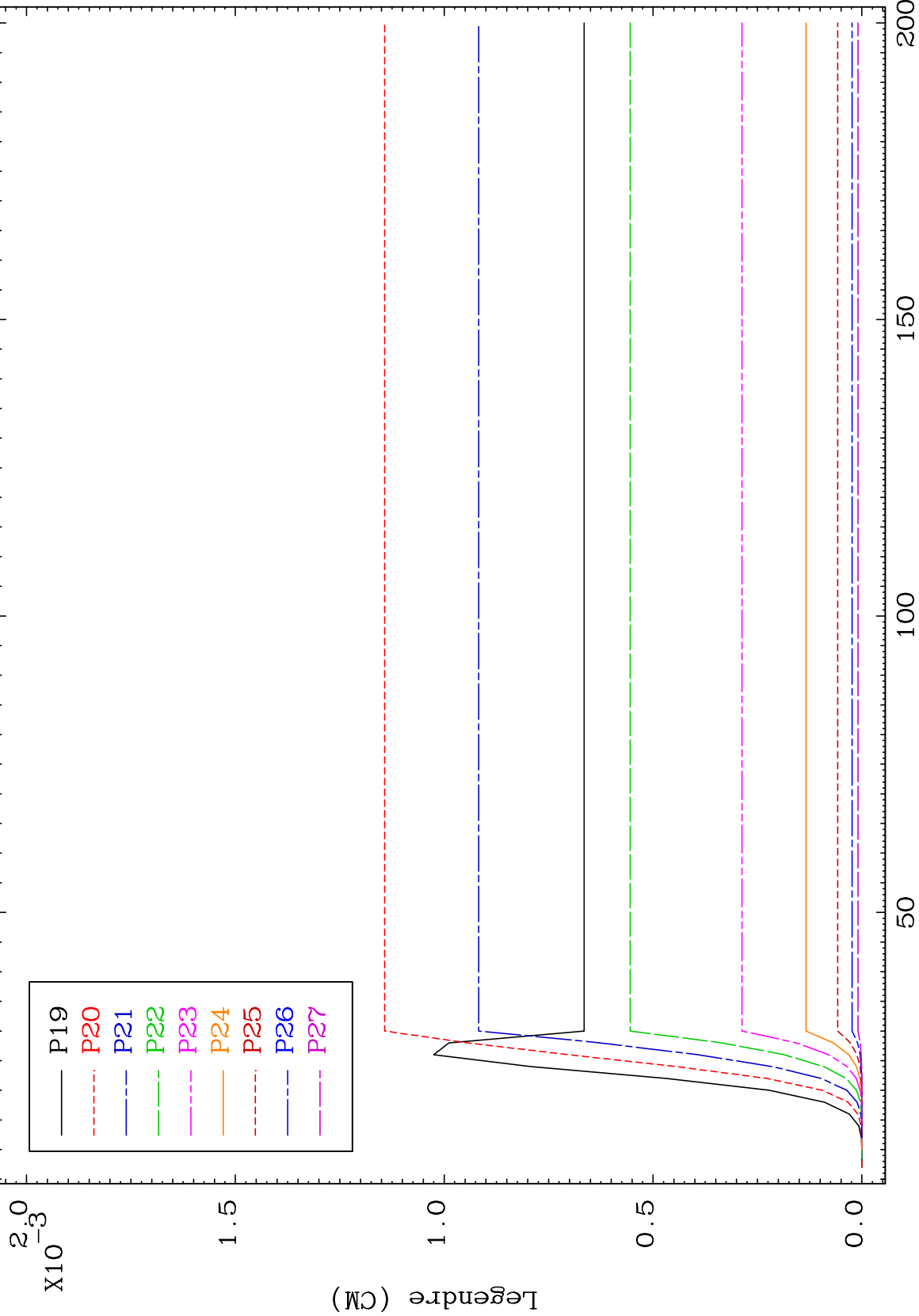
Incident Energy (MeV)

92

MAT 5740

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

57-La-143



93

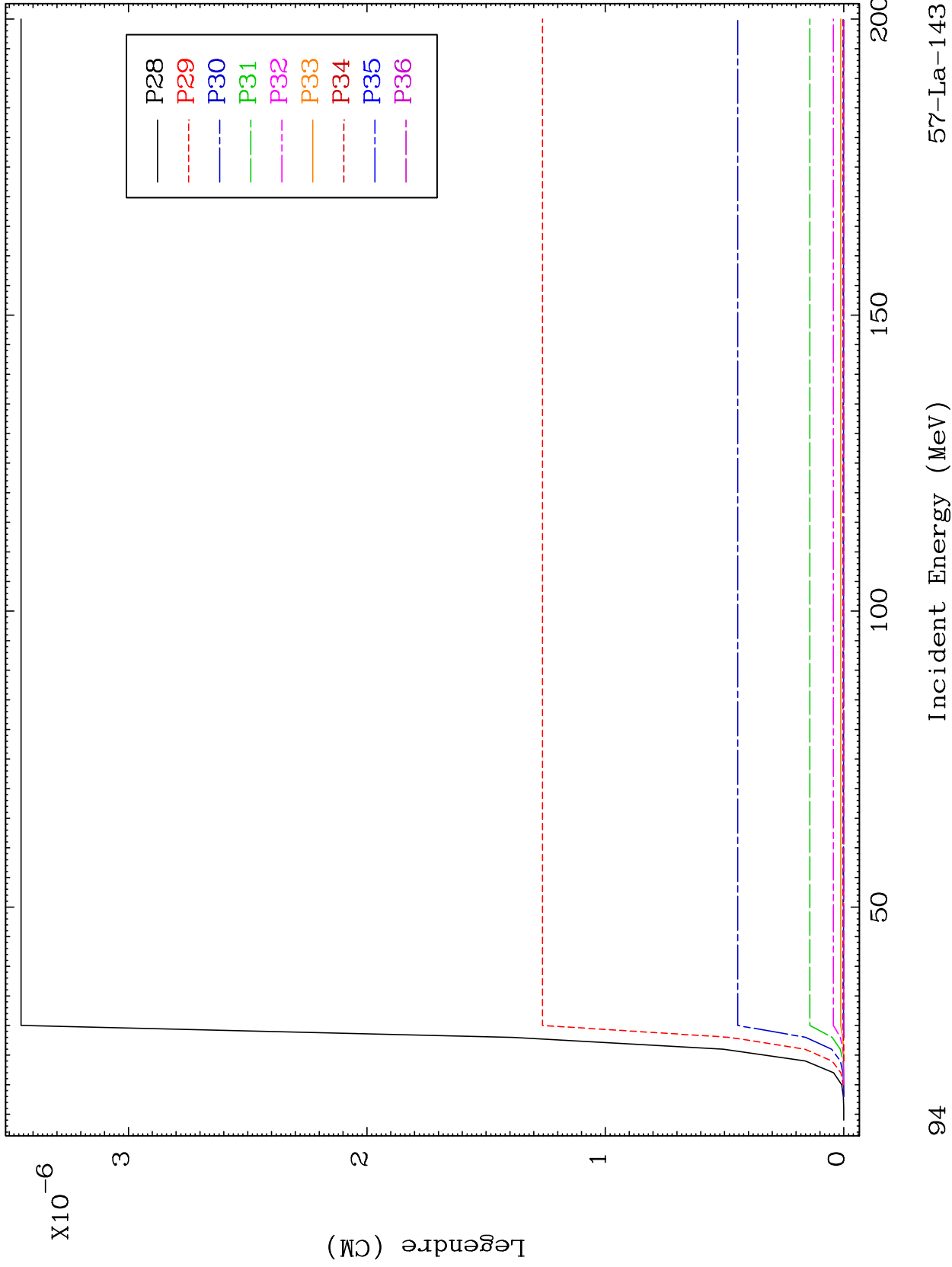
Incident Energy (MeV)

57-La-143

MAT 5740

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

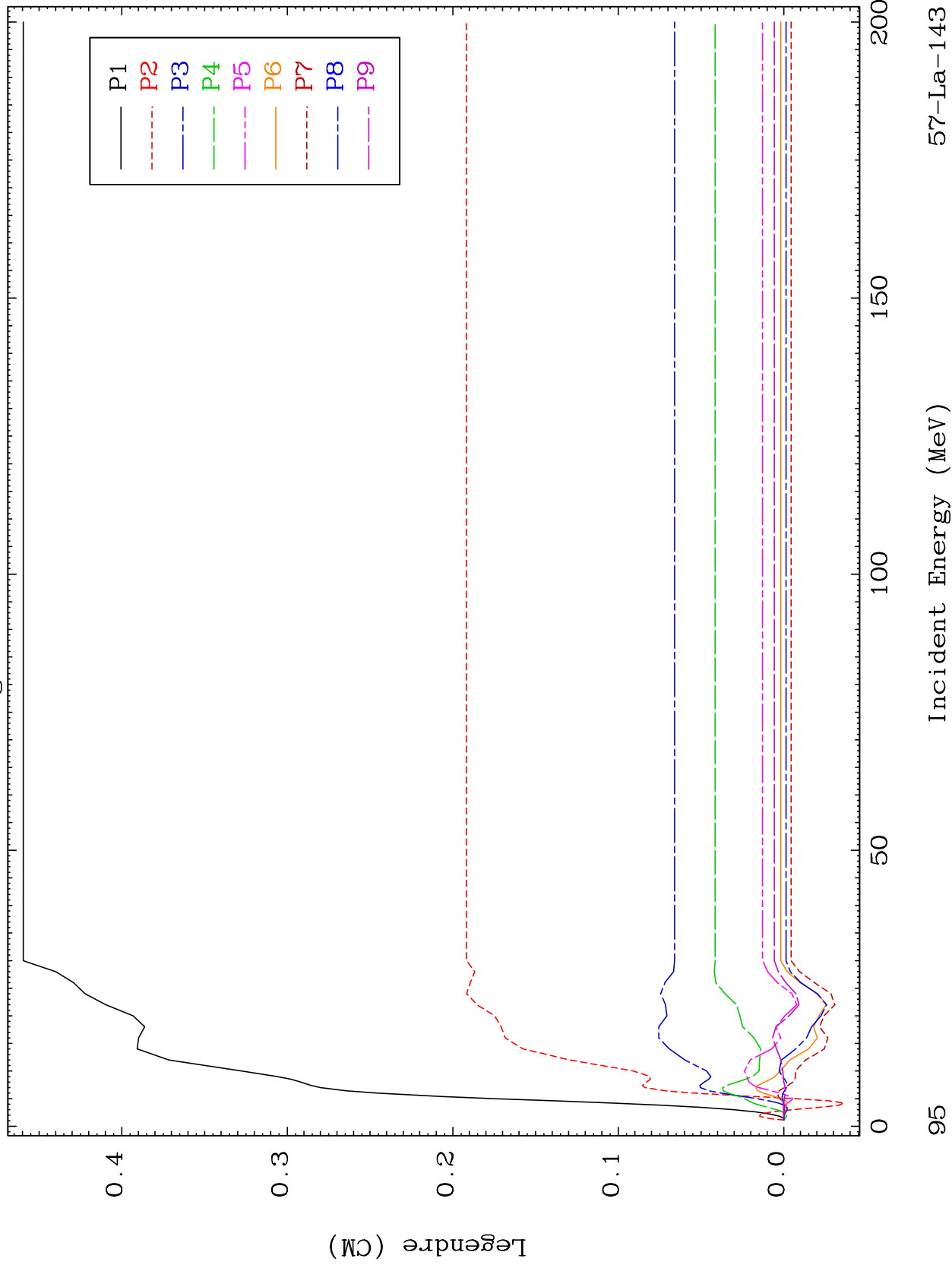
57-La-143



MAT 5740

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

57-La-143



57-La-143

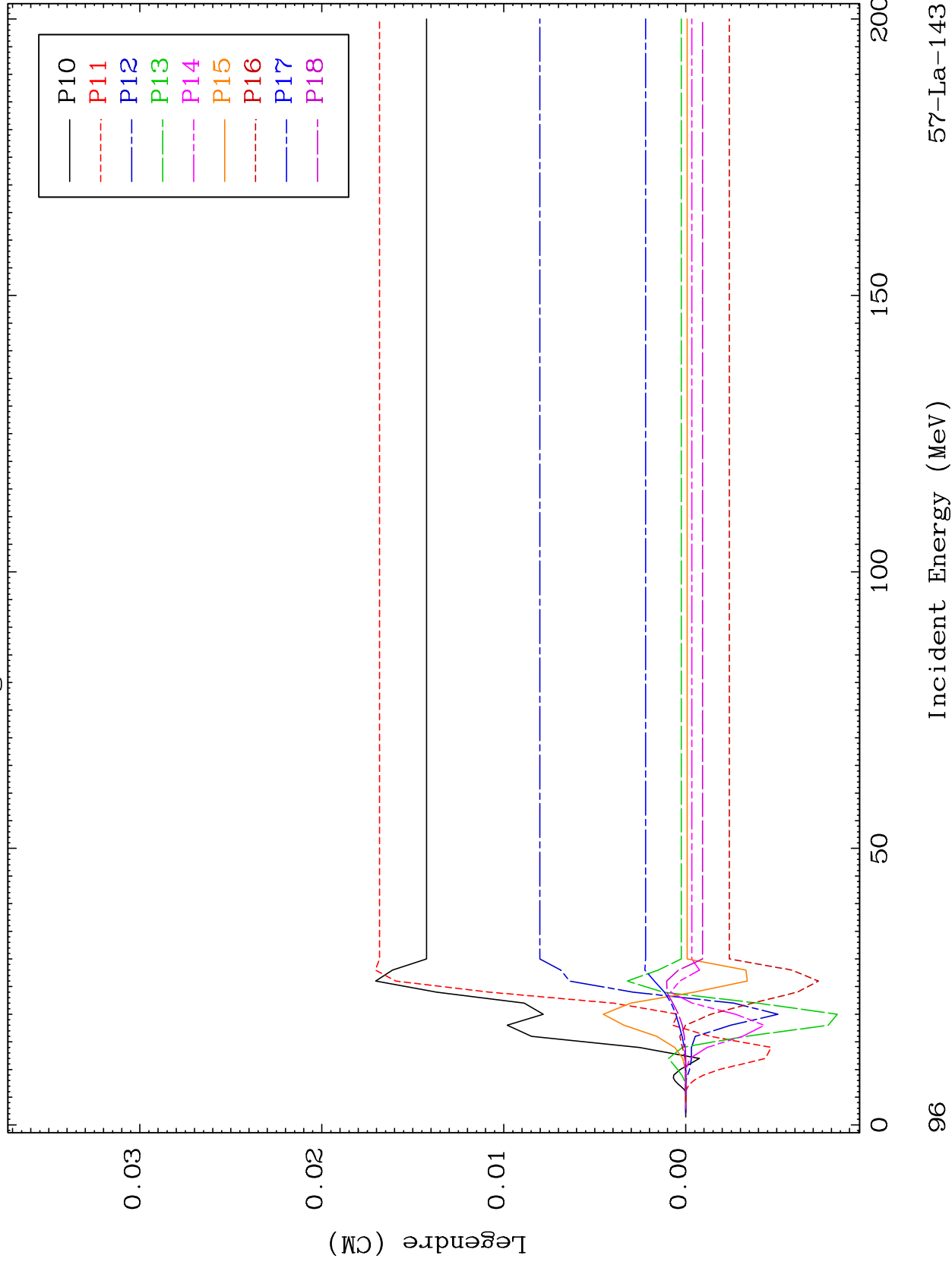
Incident Energy (MeV)

95

MAT 5740

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

57-La-143



57-La-143

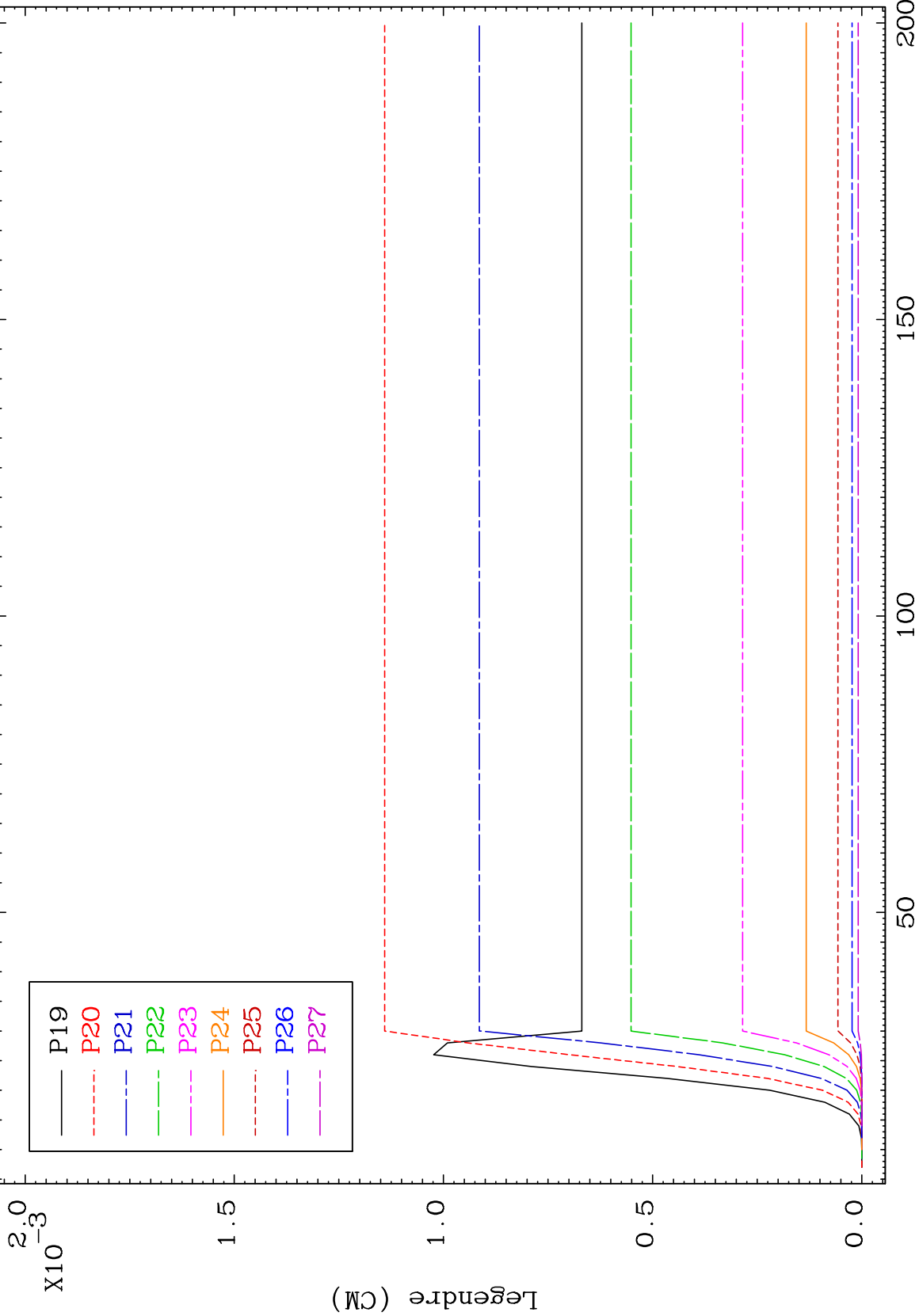
Incident Energy (MeV)

96

MAT 5740

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

57-La-143



97

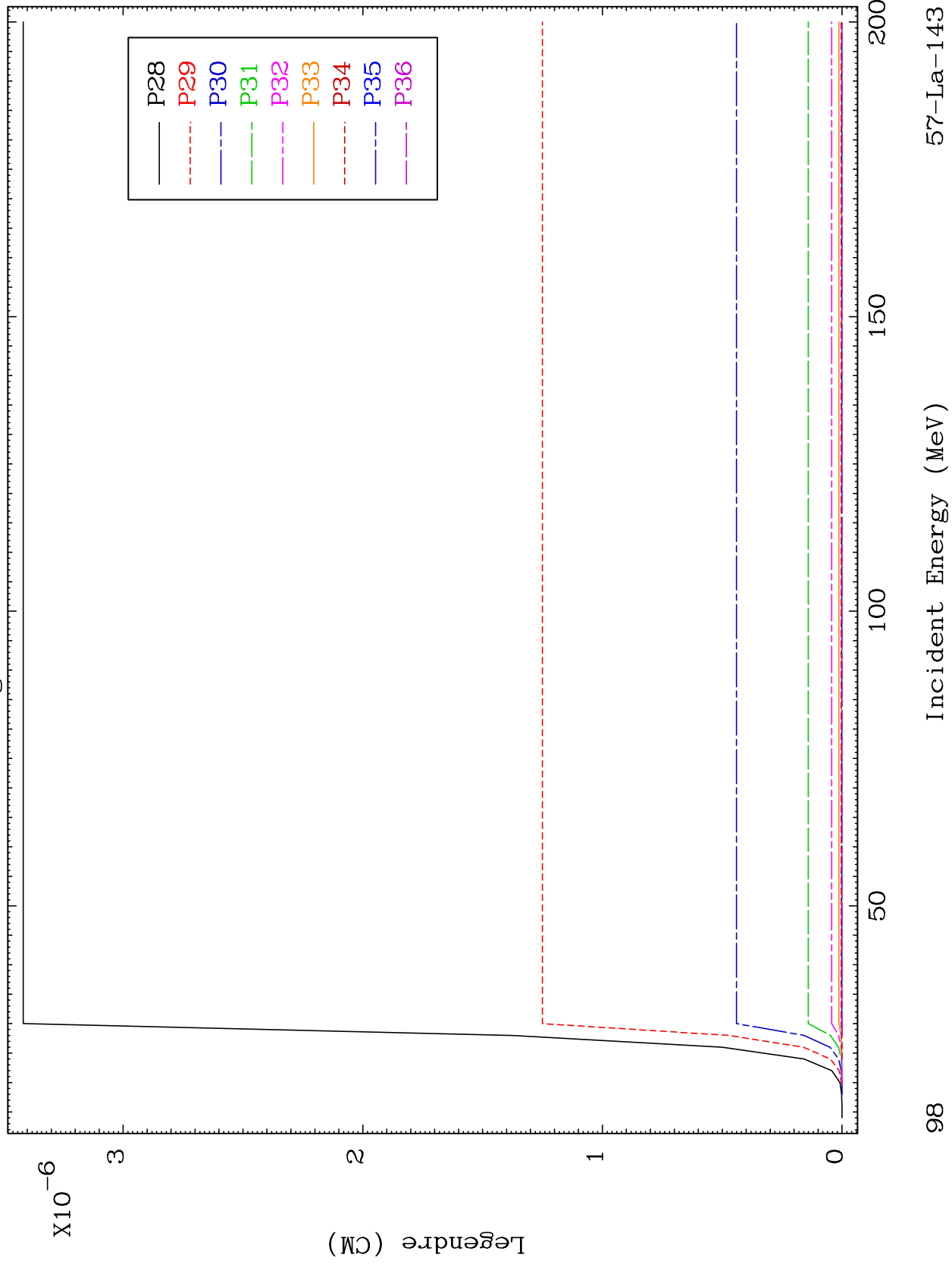
Incident Energy (MeV)

57-La-143

MAT 5740

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

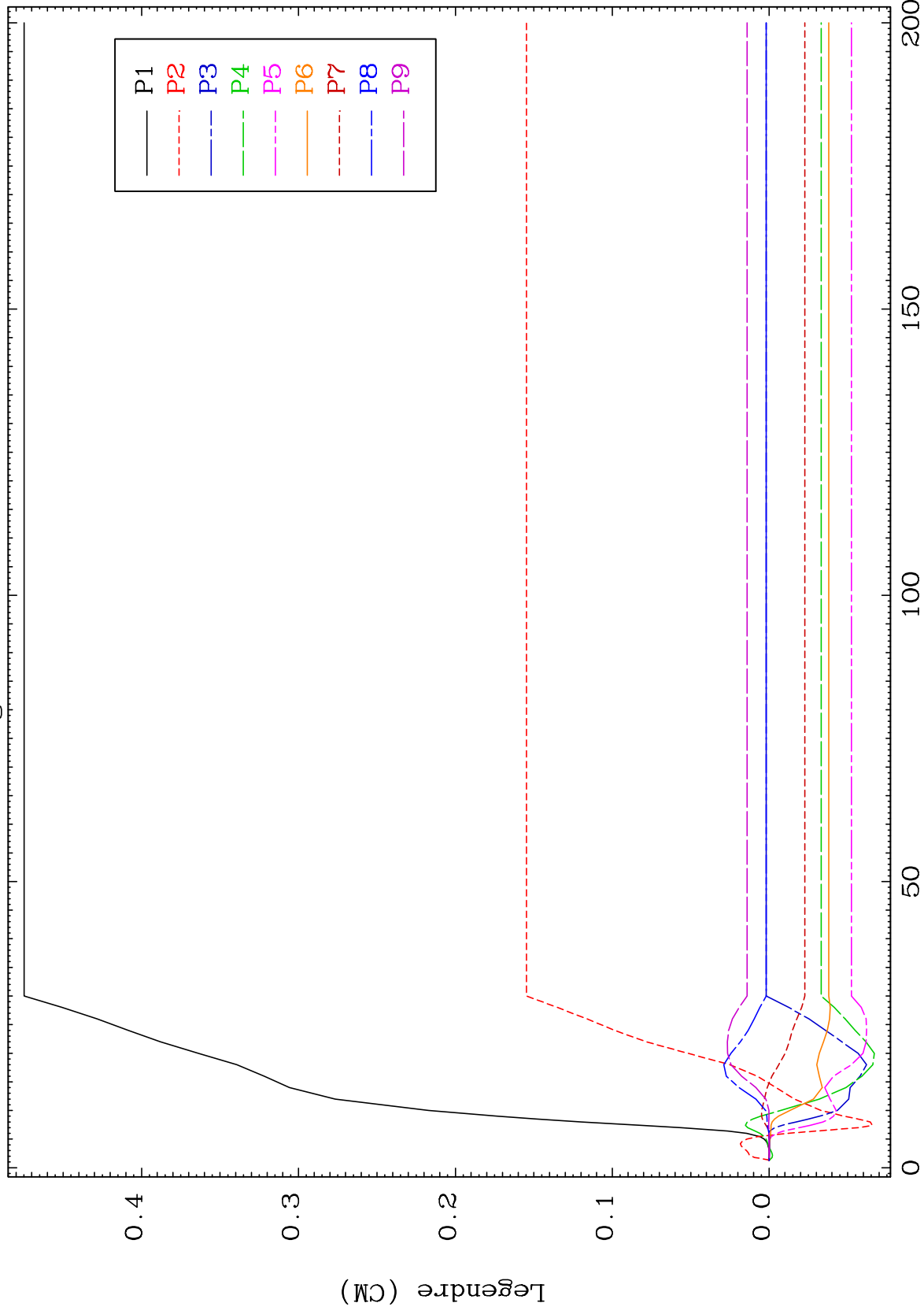
57-La-143



MAT 5740

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

57-La-143



99

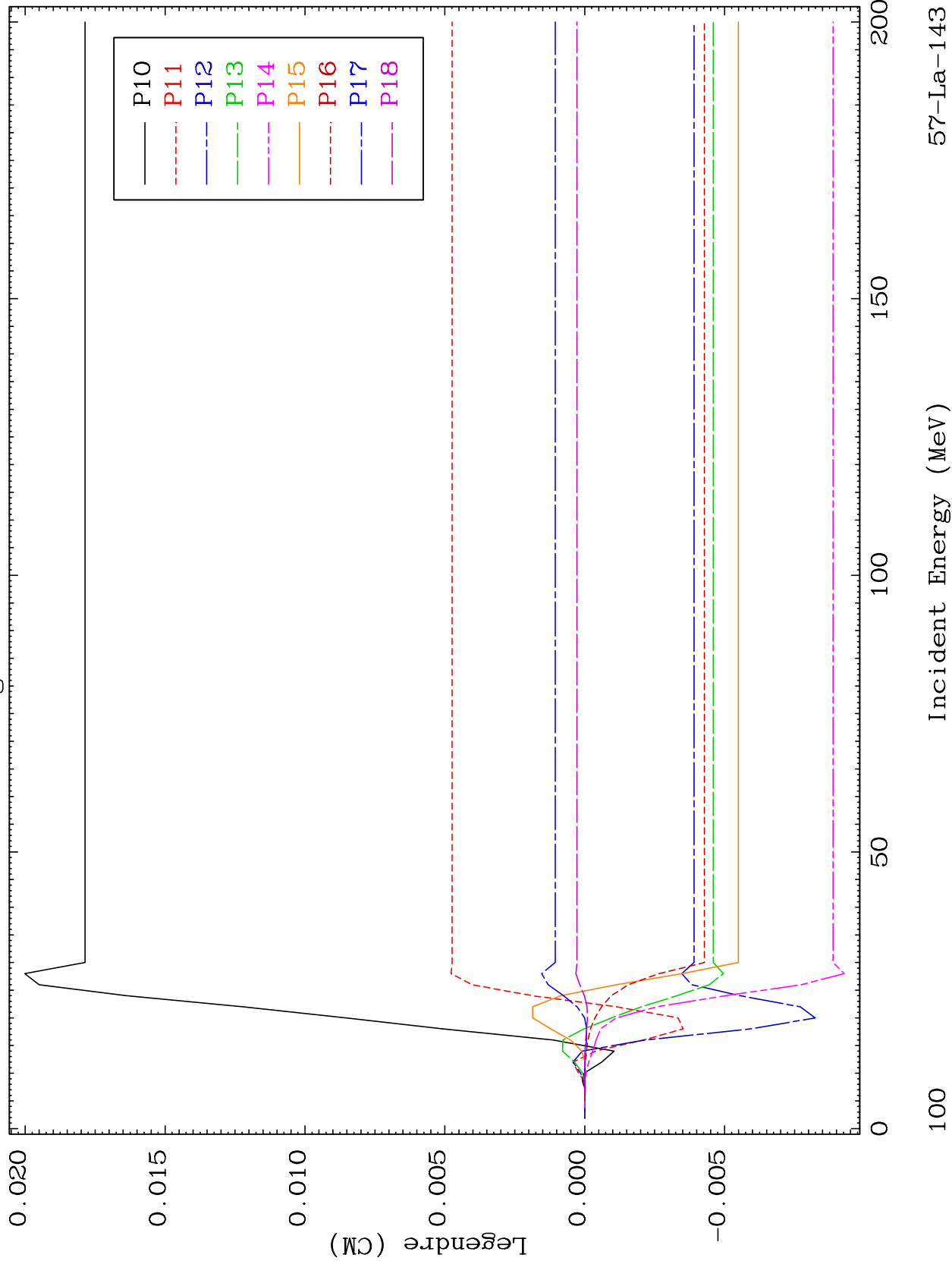
Incident Energy (MeV)

57-La-143

MAT 5740

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

57-La-143



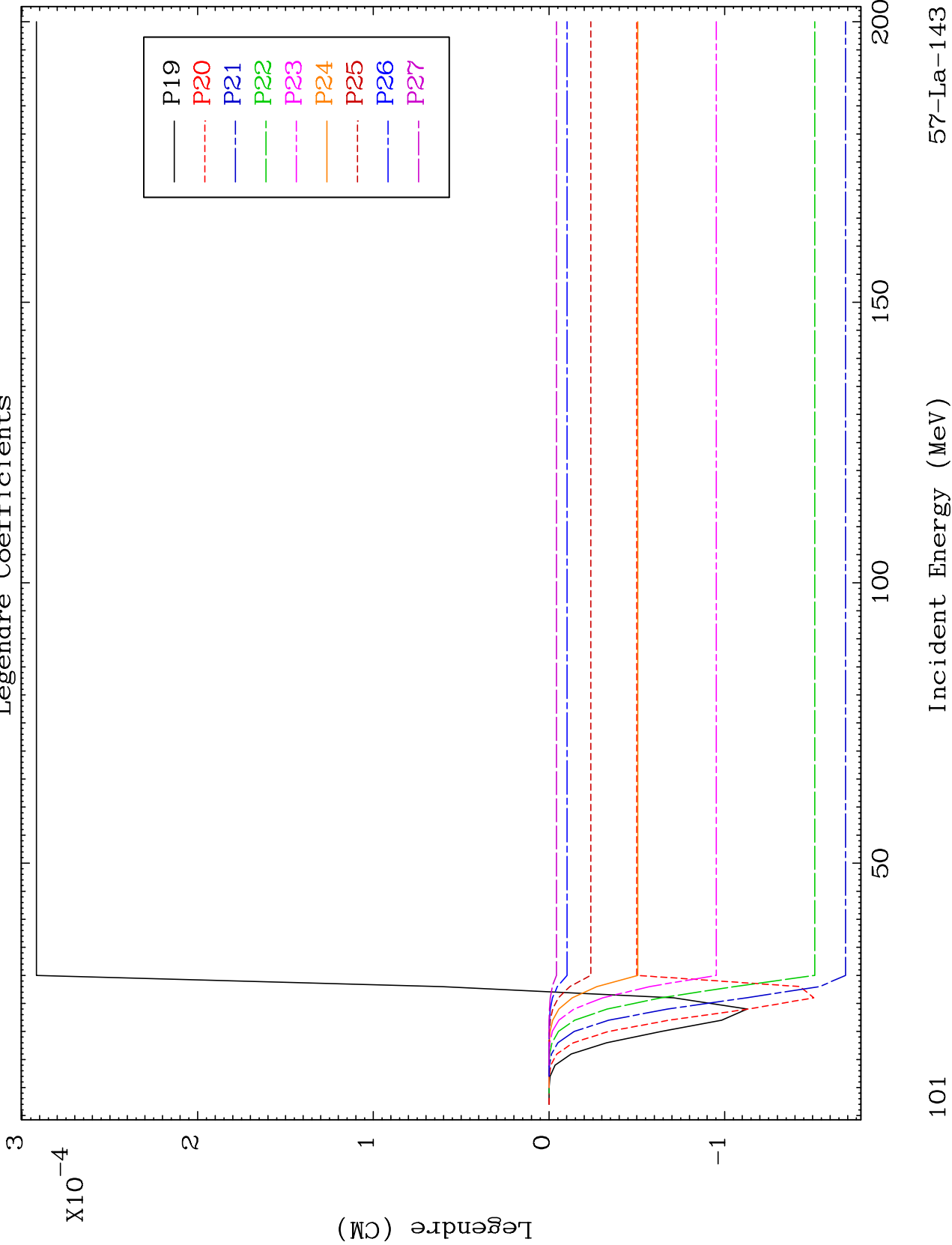
57-La-143

Incident Energy (MeV)

MAT 5740

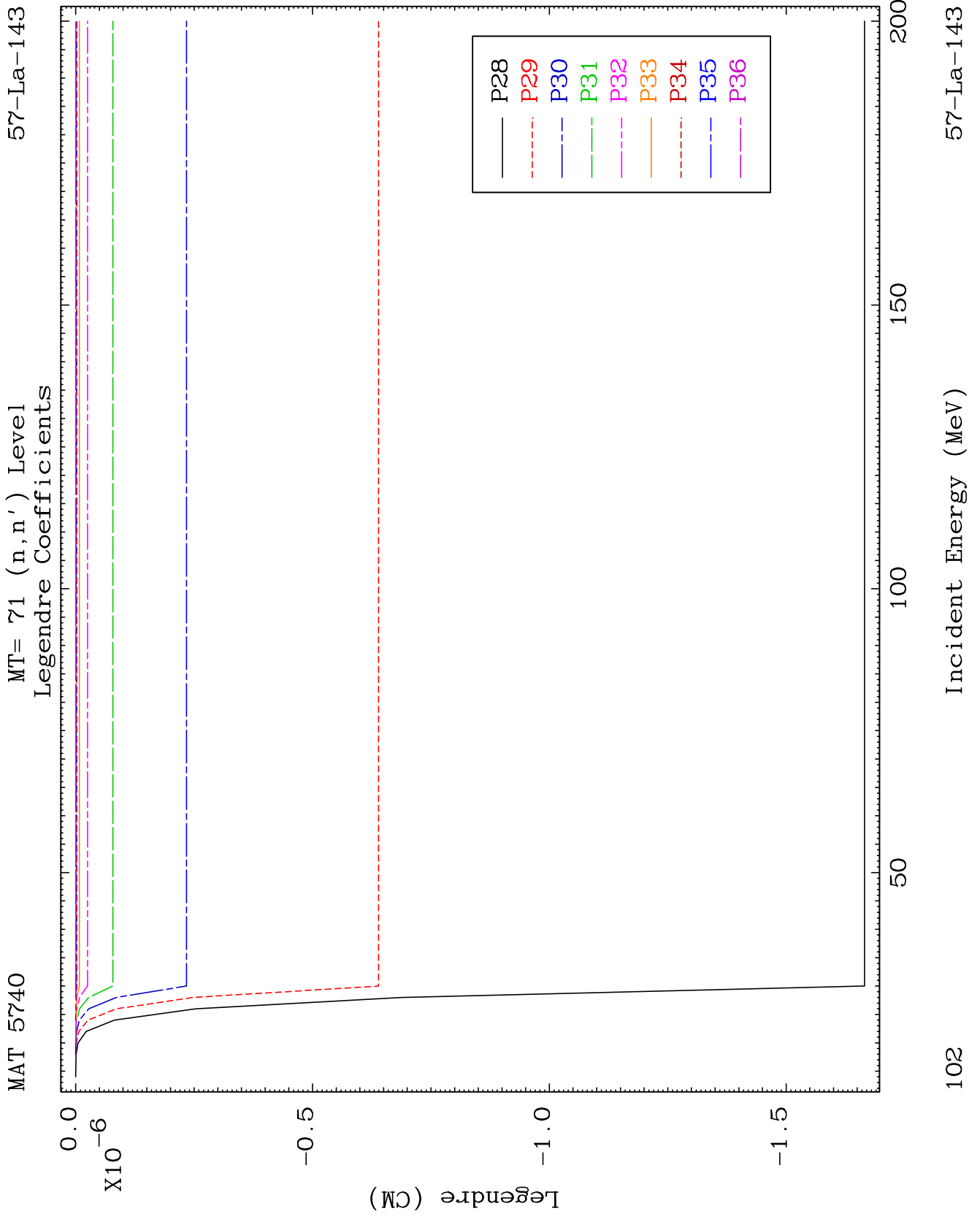
MT= 71 (n,n') Level
Legendre Coefficients

57-La-143



101

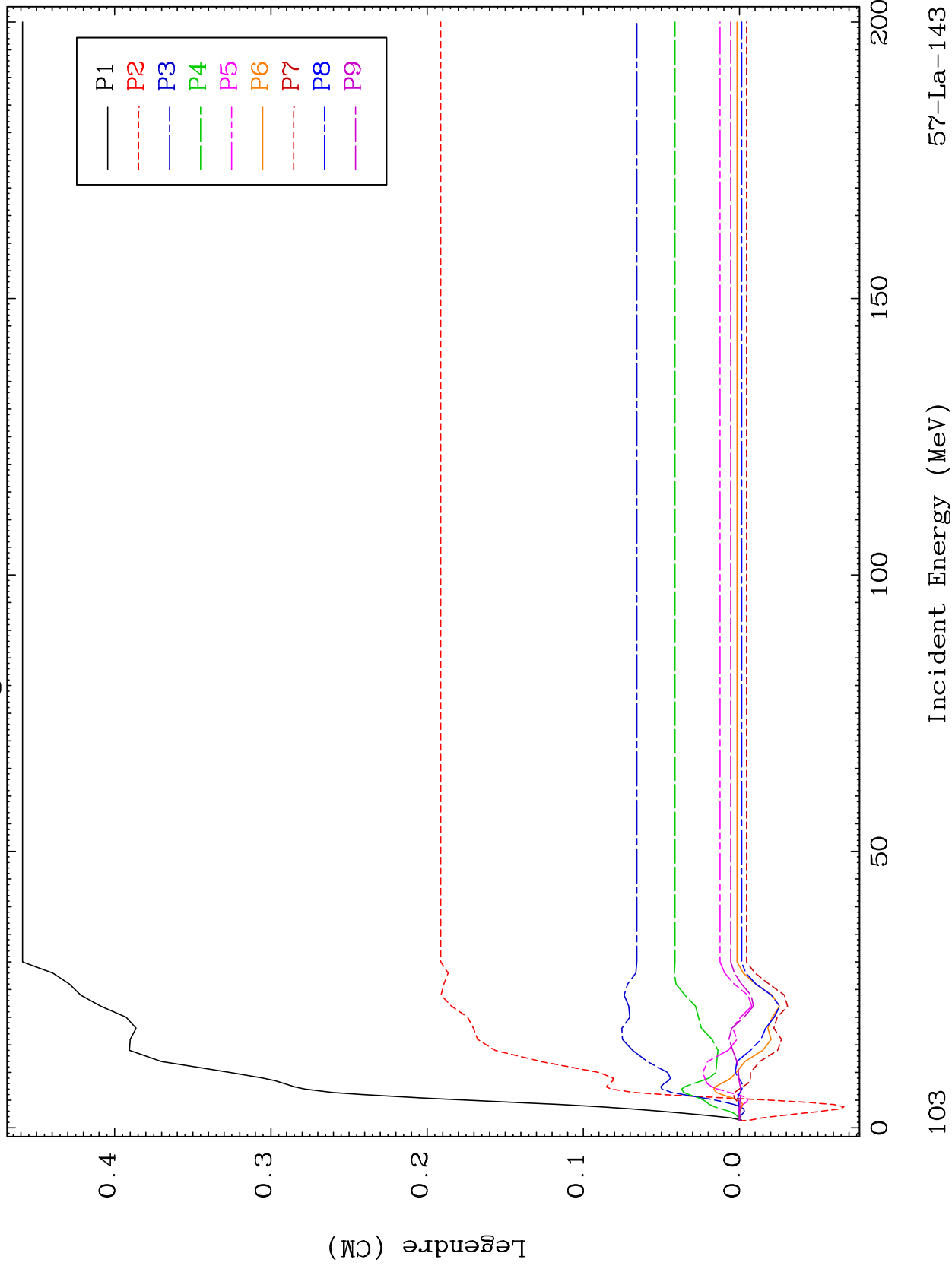
57-La-143



MAT 5740

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

57-La-143



57-La-143

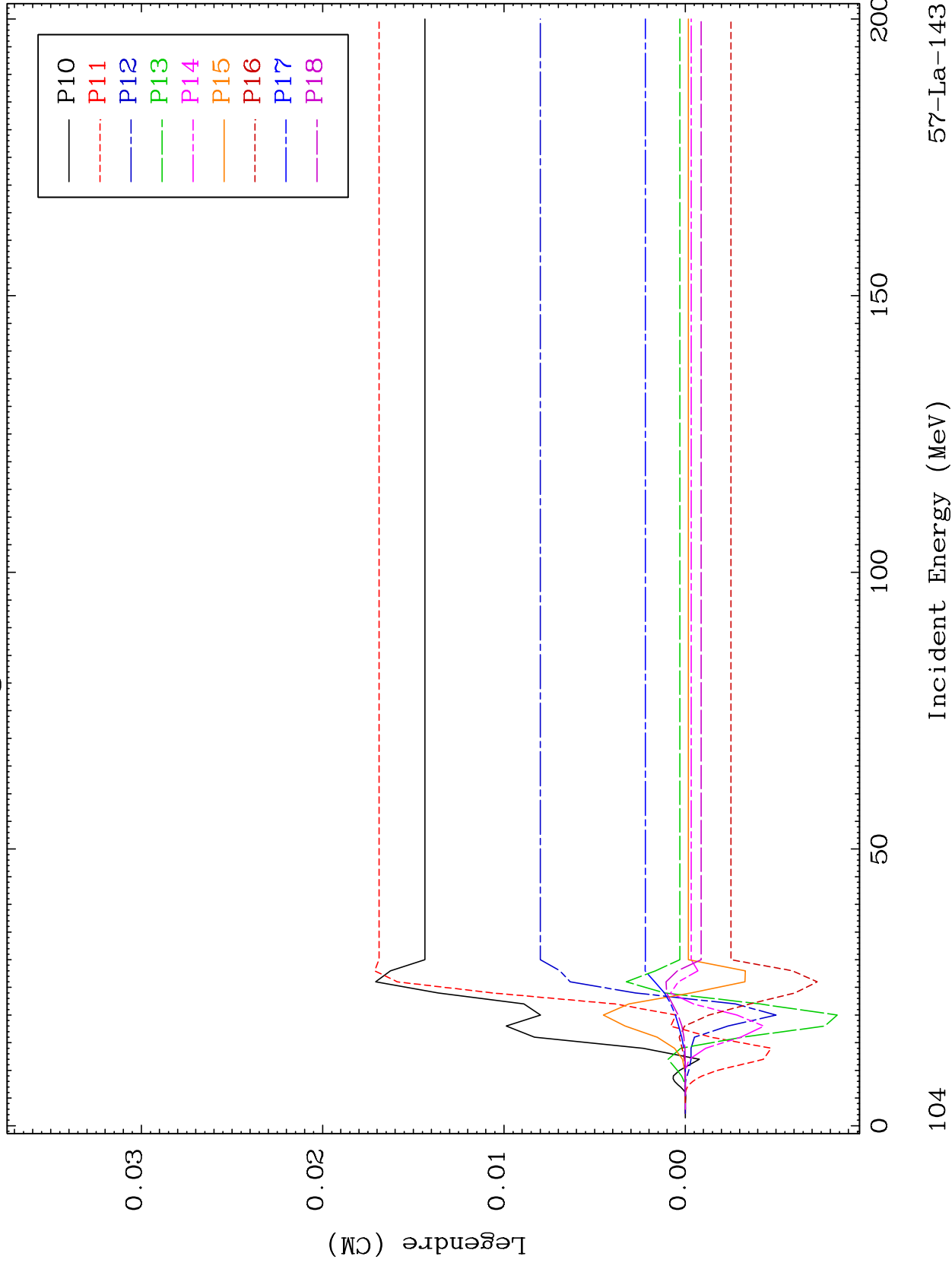
Incident Energy (MeV)

103

MAT 5740

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

57-La-143



57-La-143

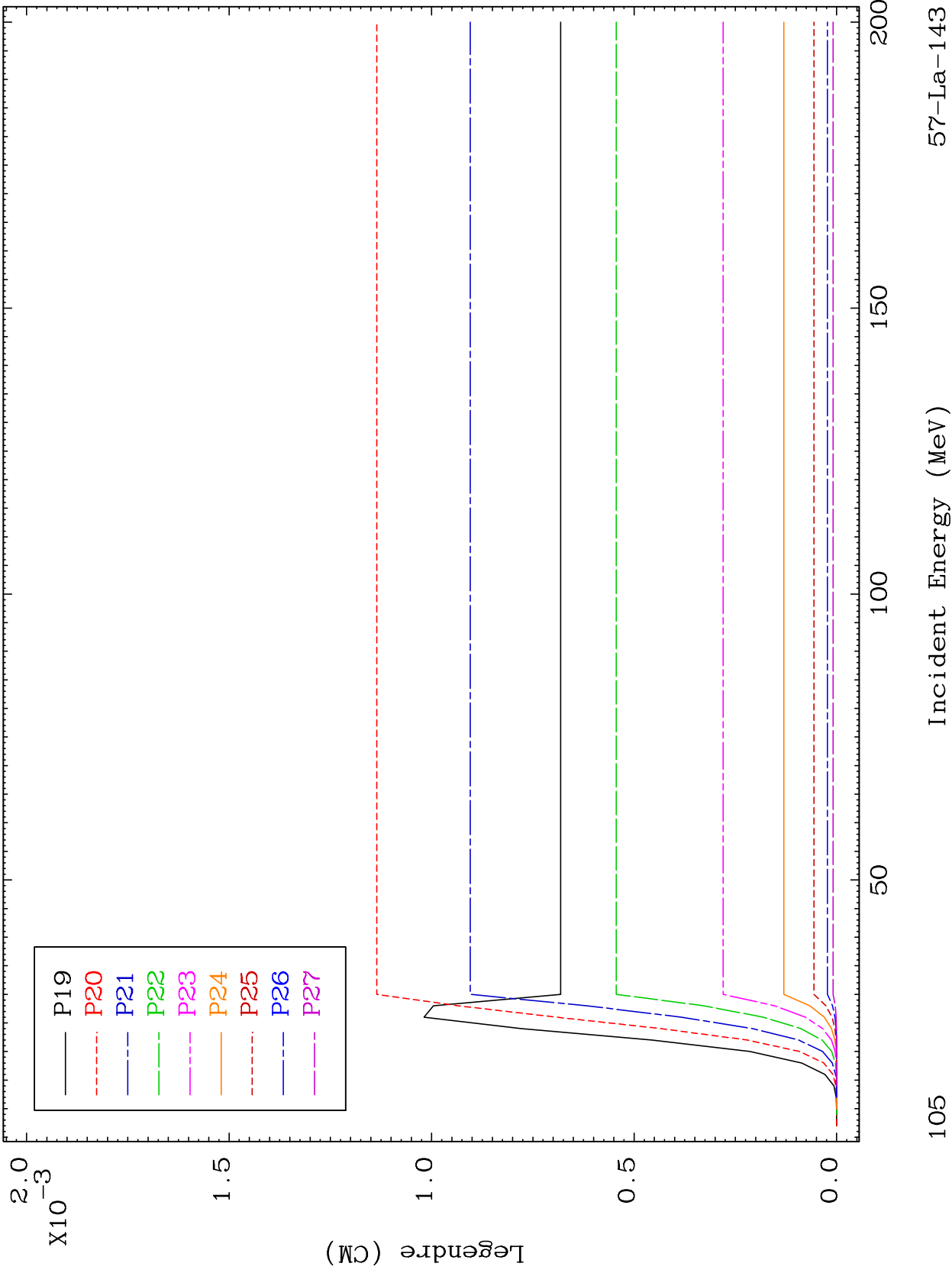
Incident Energy (MeV)

104

MAT 5740

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

57-La-143



105

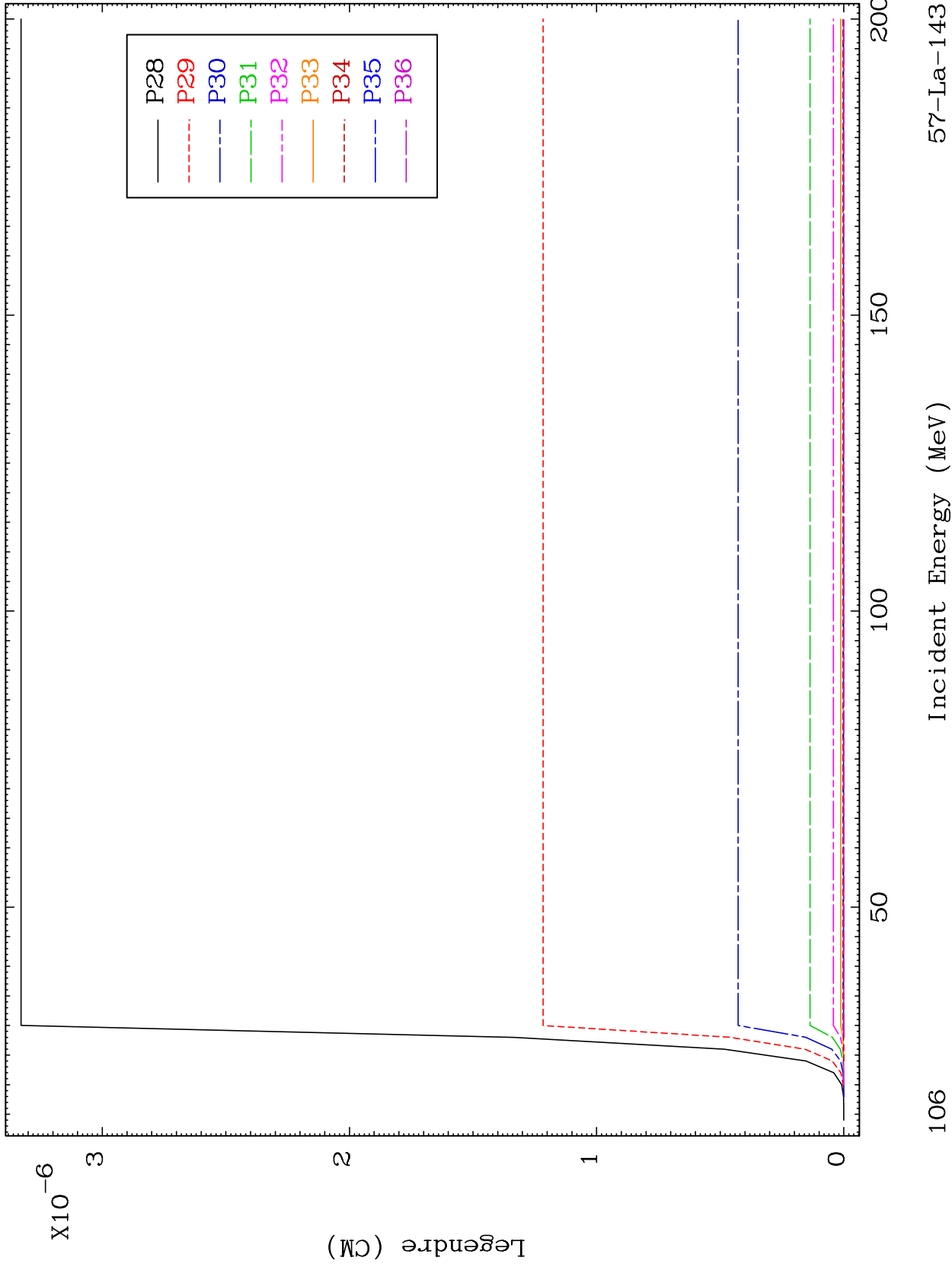
Incident Energy (MeV)

57-La-143

MAT 5740

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

57-La-143



106

Incident Energy (MeV)

150

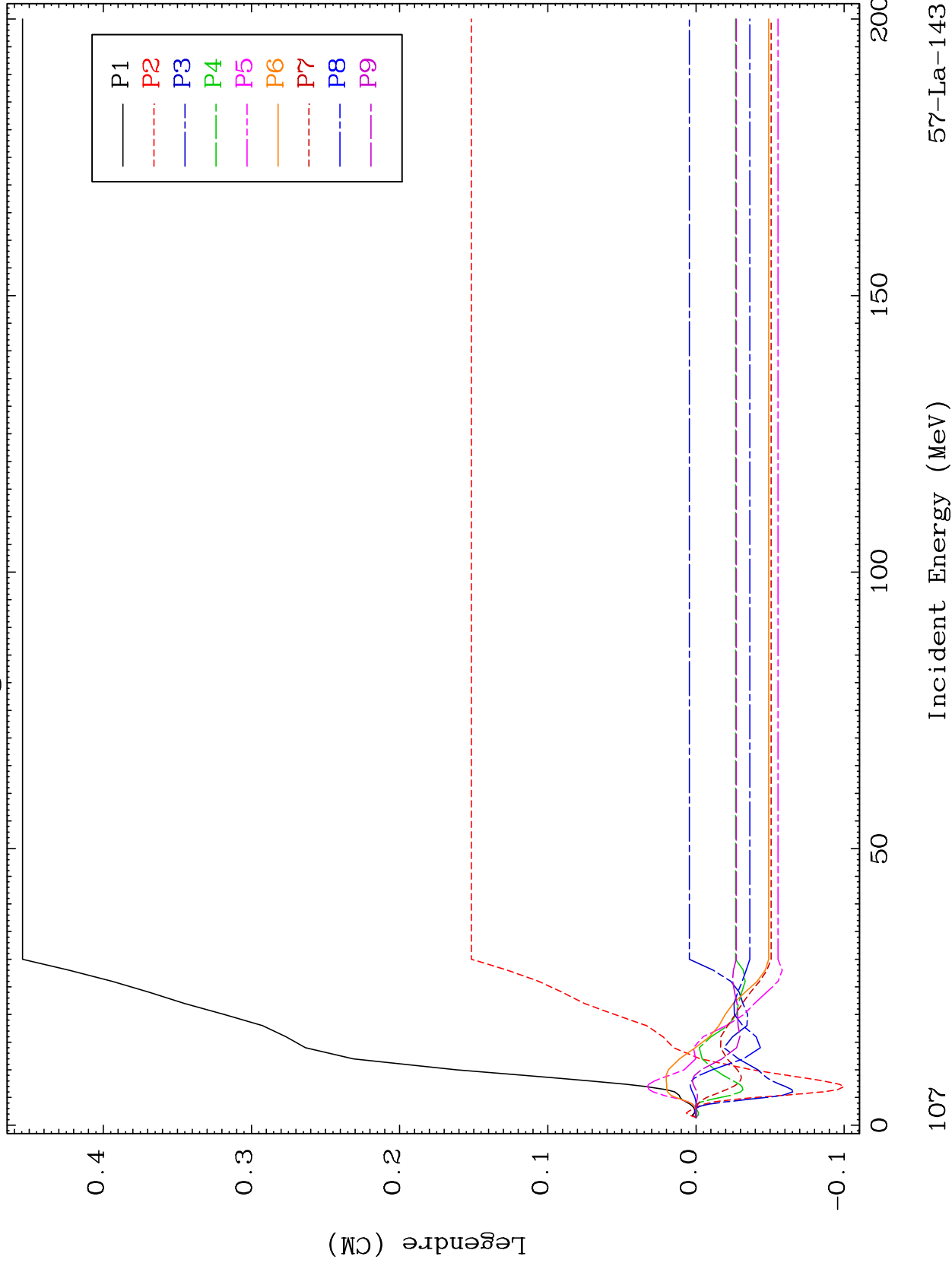
57-La-143

200

MAT 5740

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

57-La-143



57-La-143

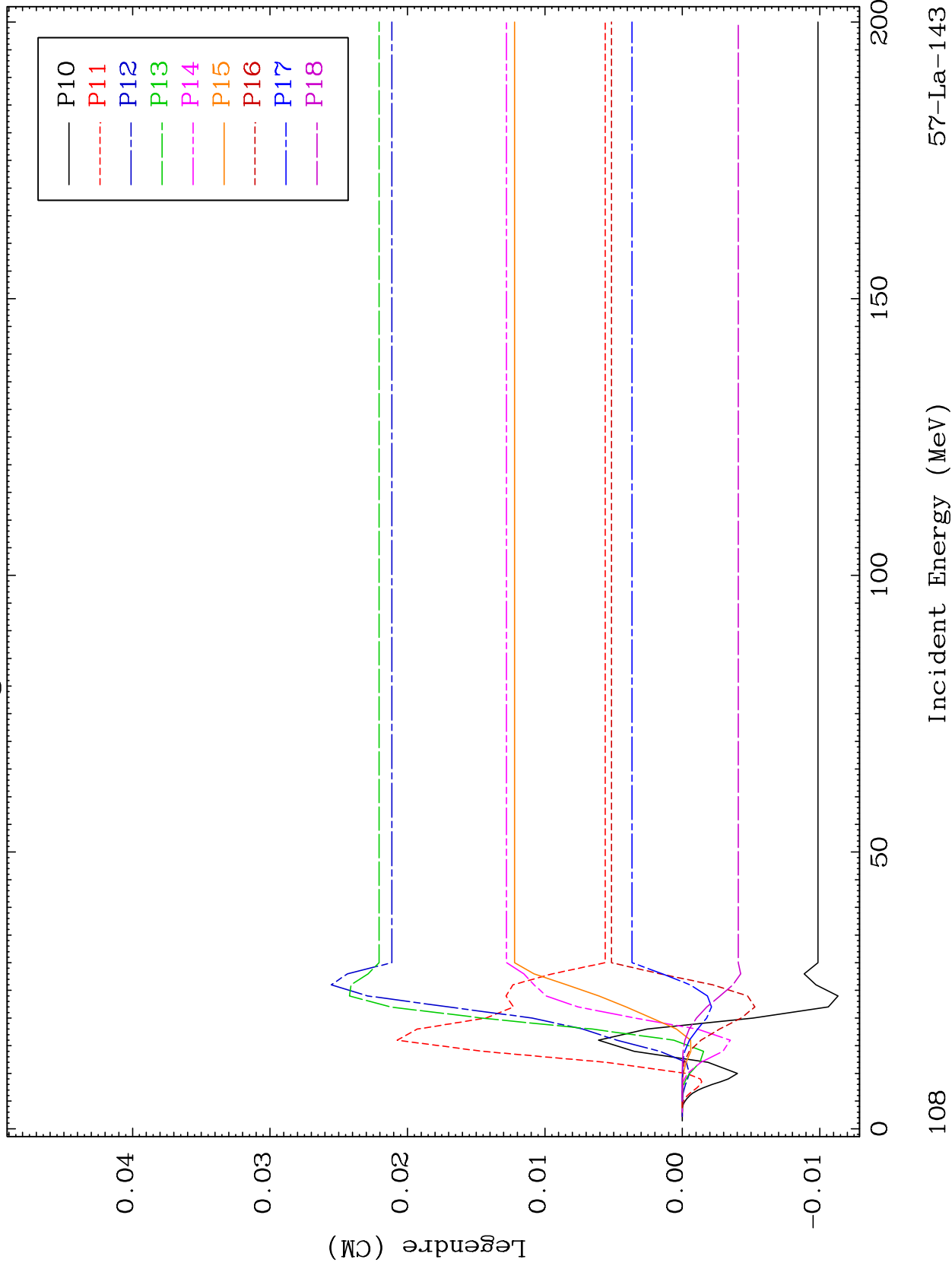
Incident Energy (MeV)

107

MAT 5740

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

57-La-143



57-La-143

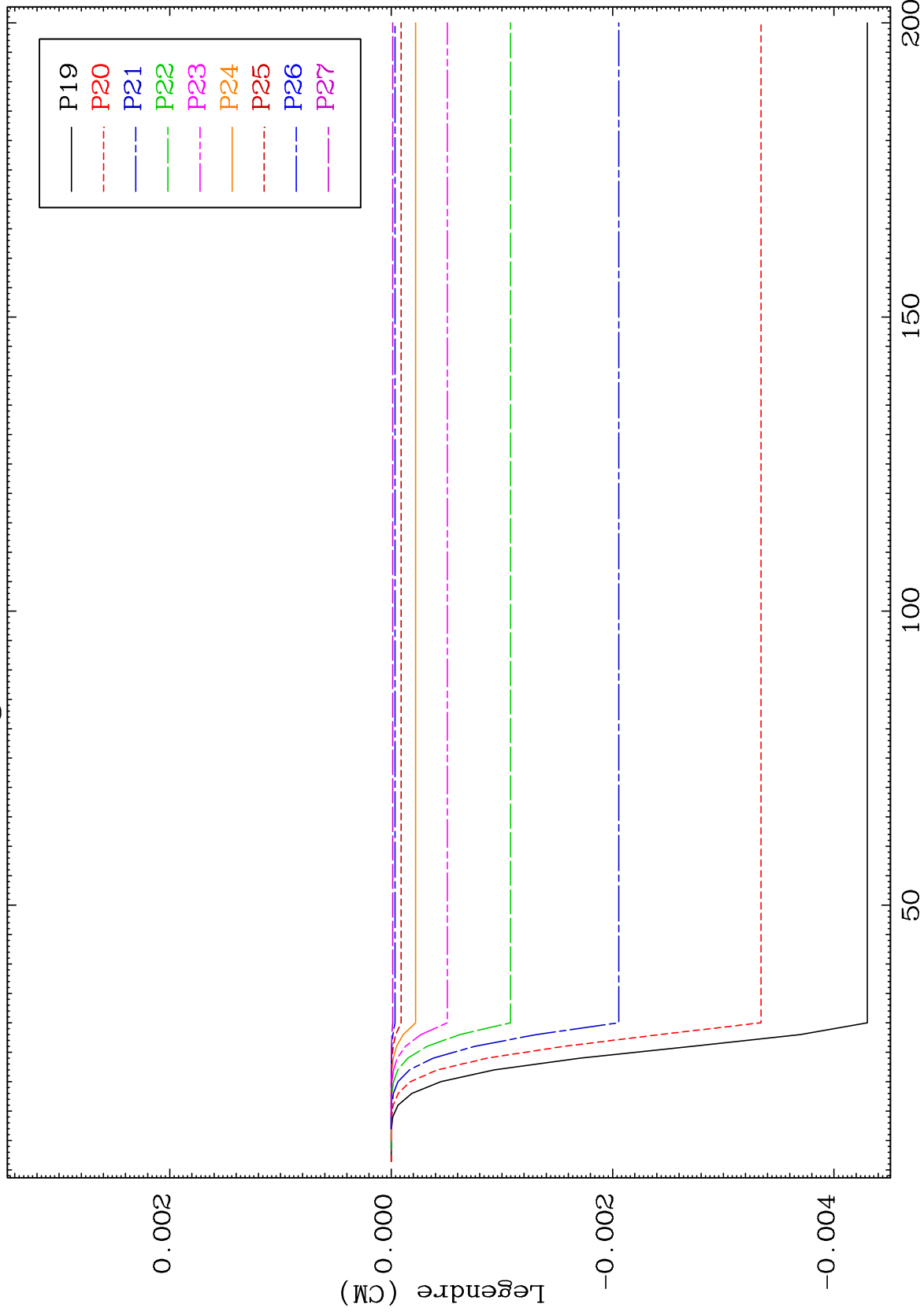
Incident Energy (MeV)

108

MAT 5740

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

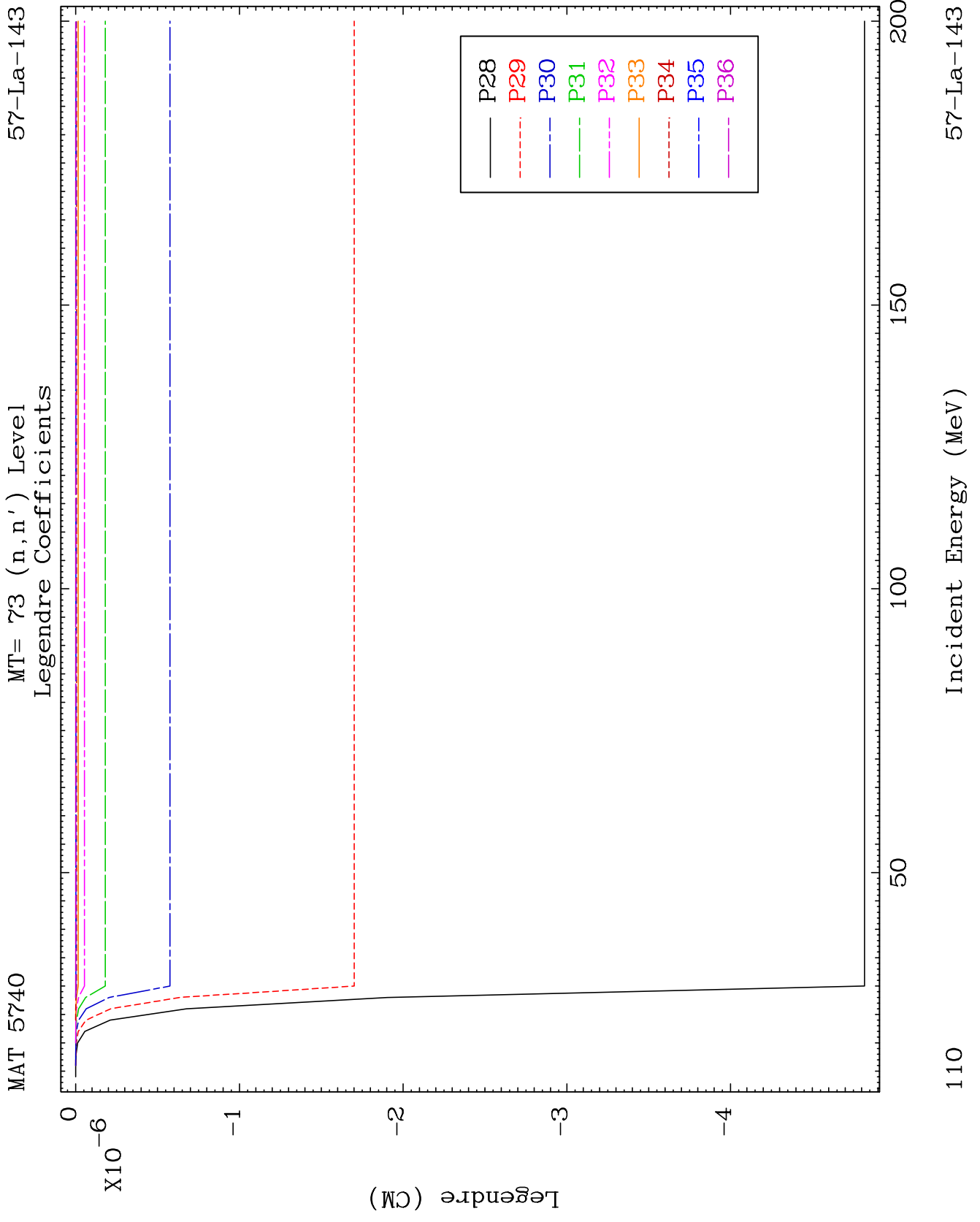
57-La-143



109

Incident Energy (MeV)

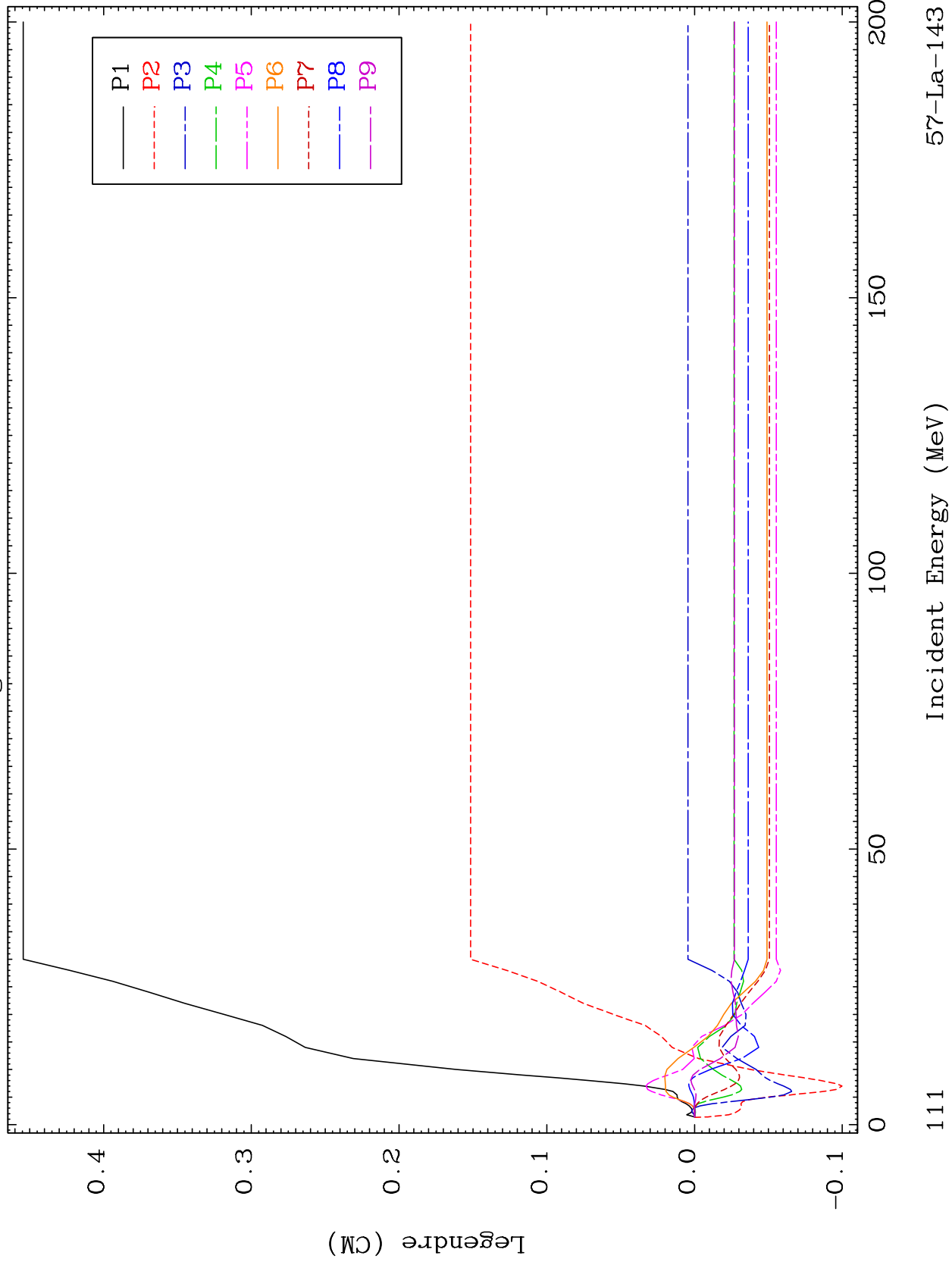
57-La-143



MAT 5740

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

57-La-143



111

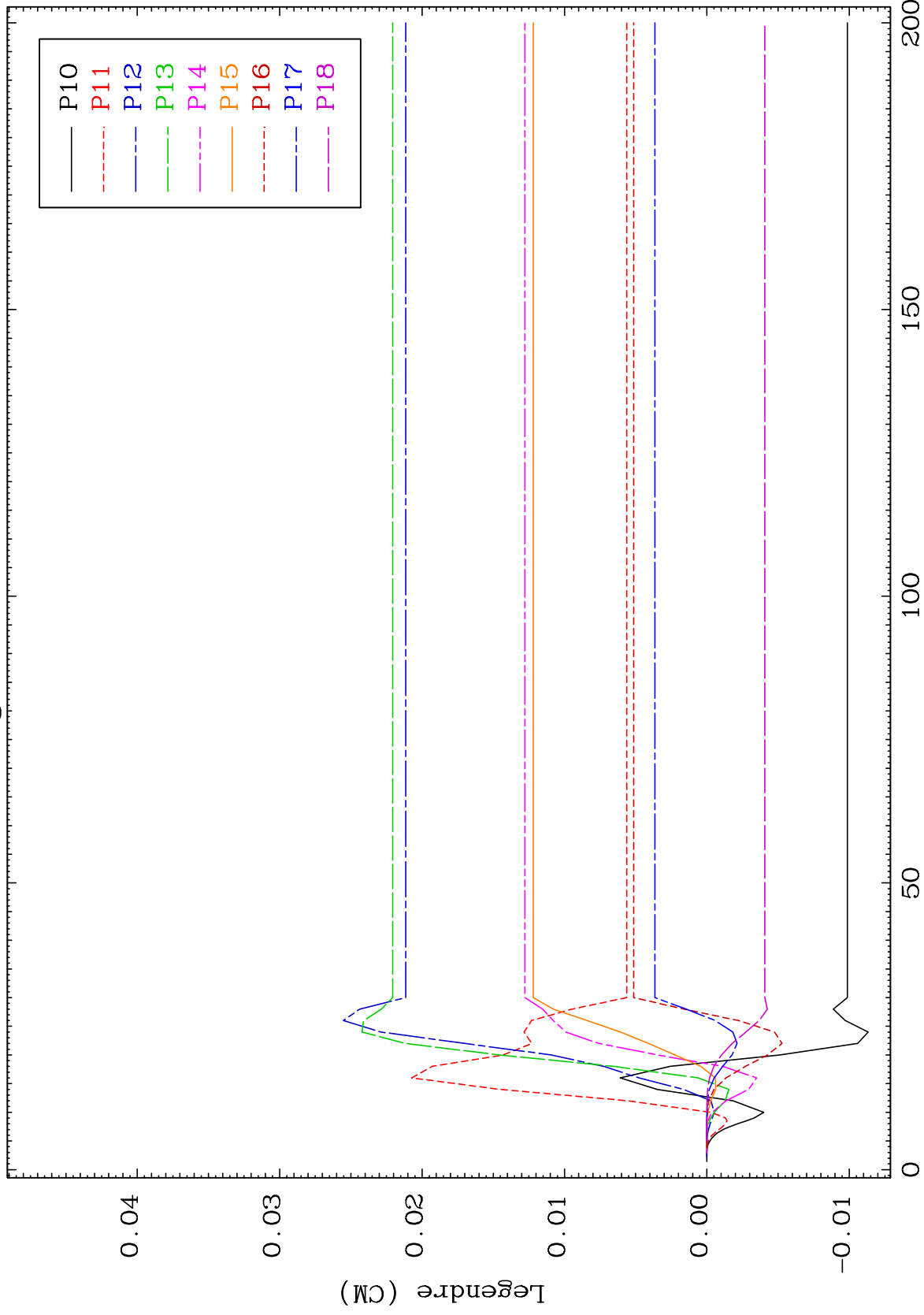
Incident Energy (MeV)

57-La-143

MAT 5740

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

57-La-143



112

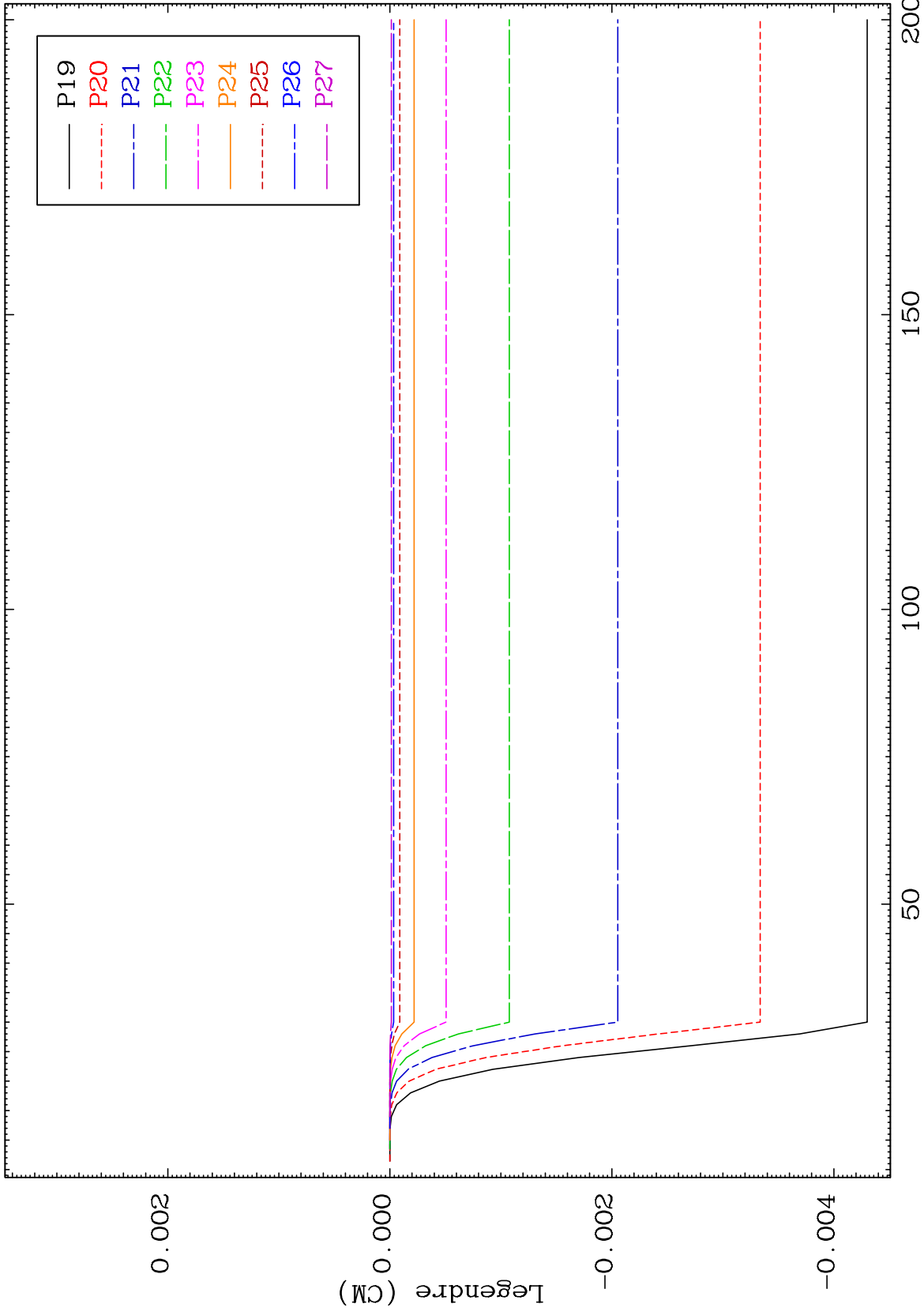
Incident Energy (MeV)

57-La-143

MAT 5740

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

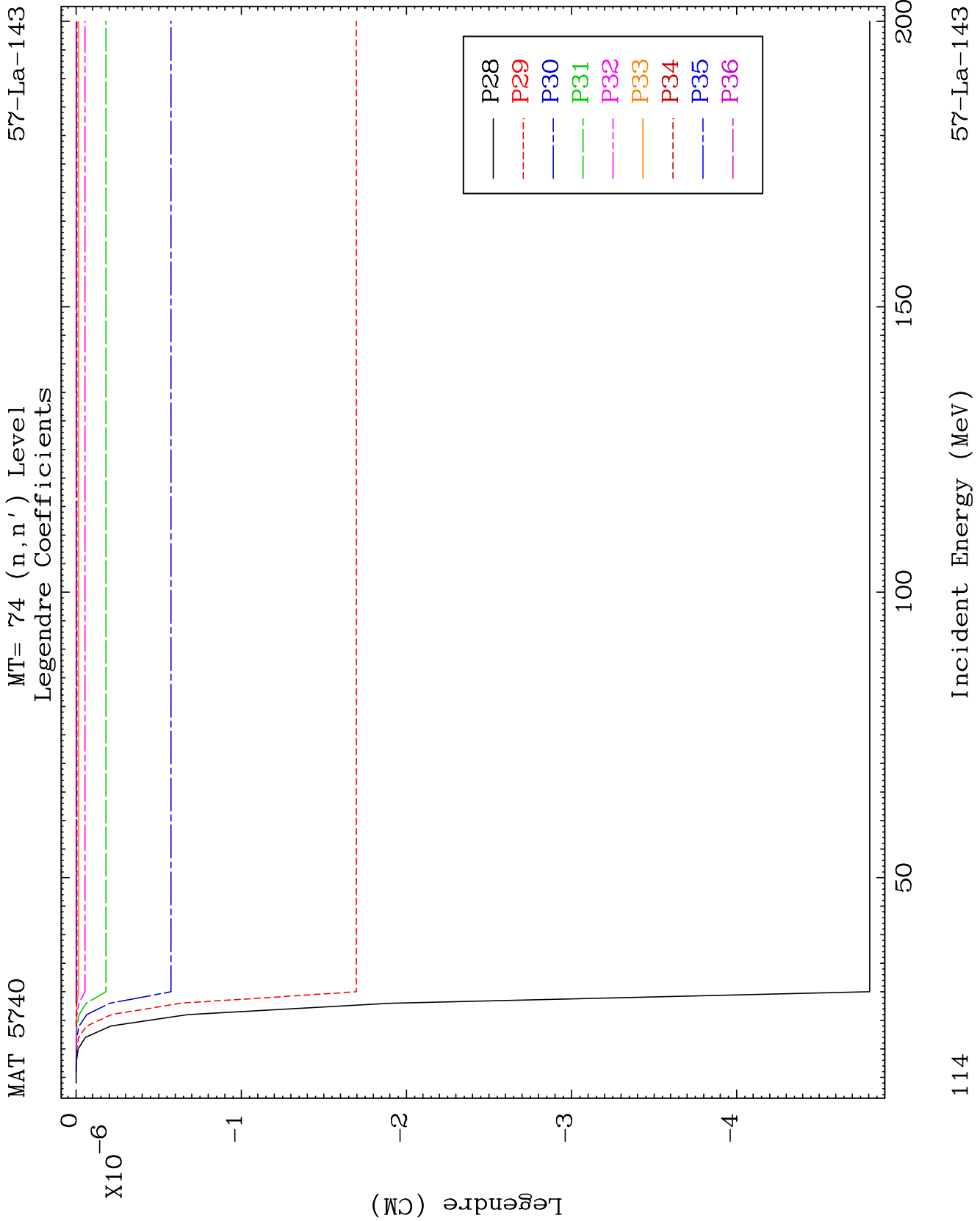
57-La-143



113

Incident Energy (MeV)

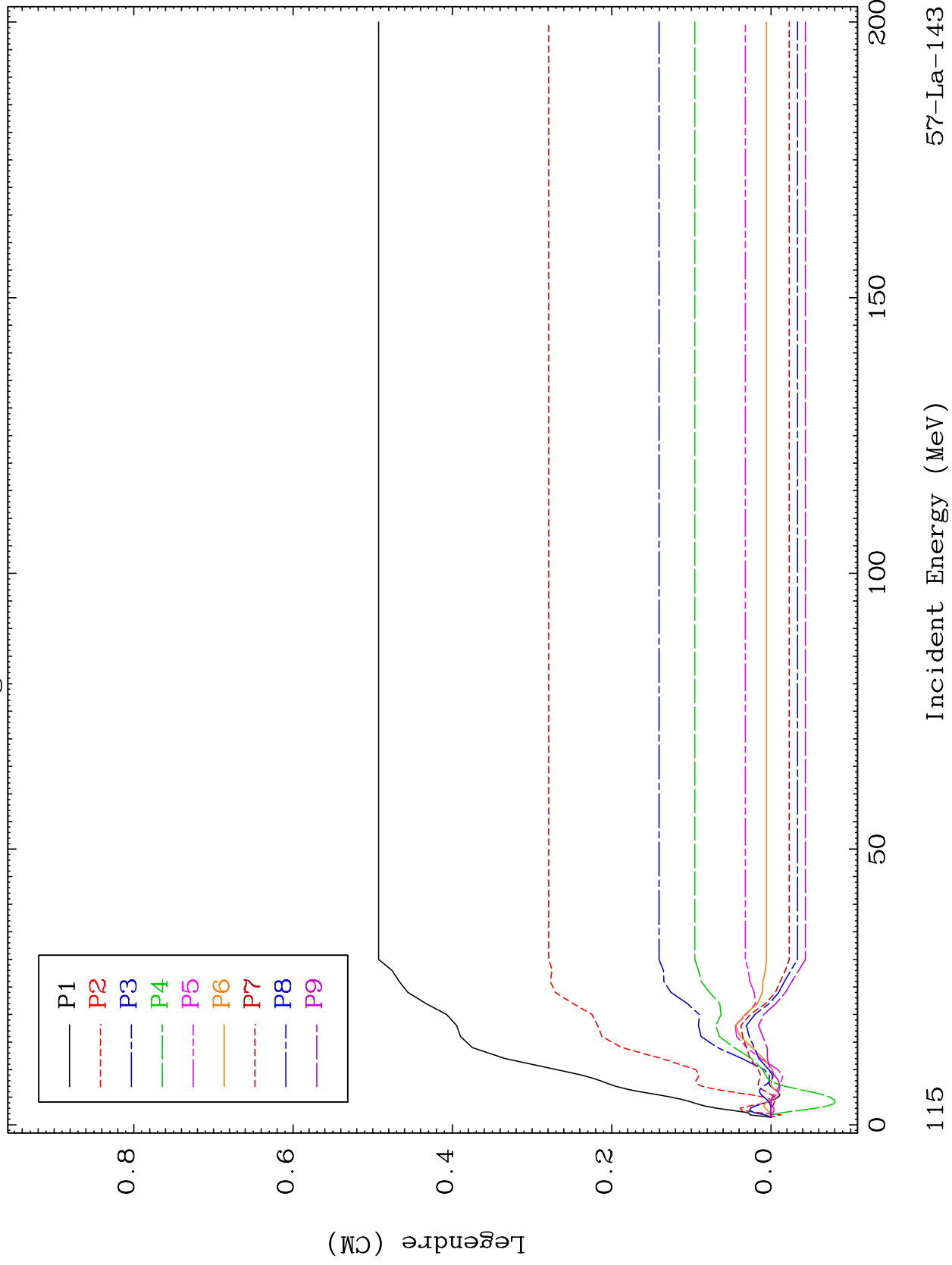
57-La-143



MAT 5740

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

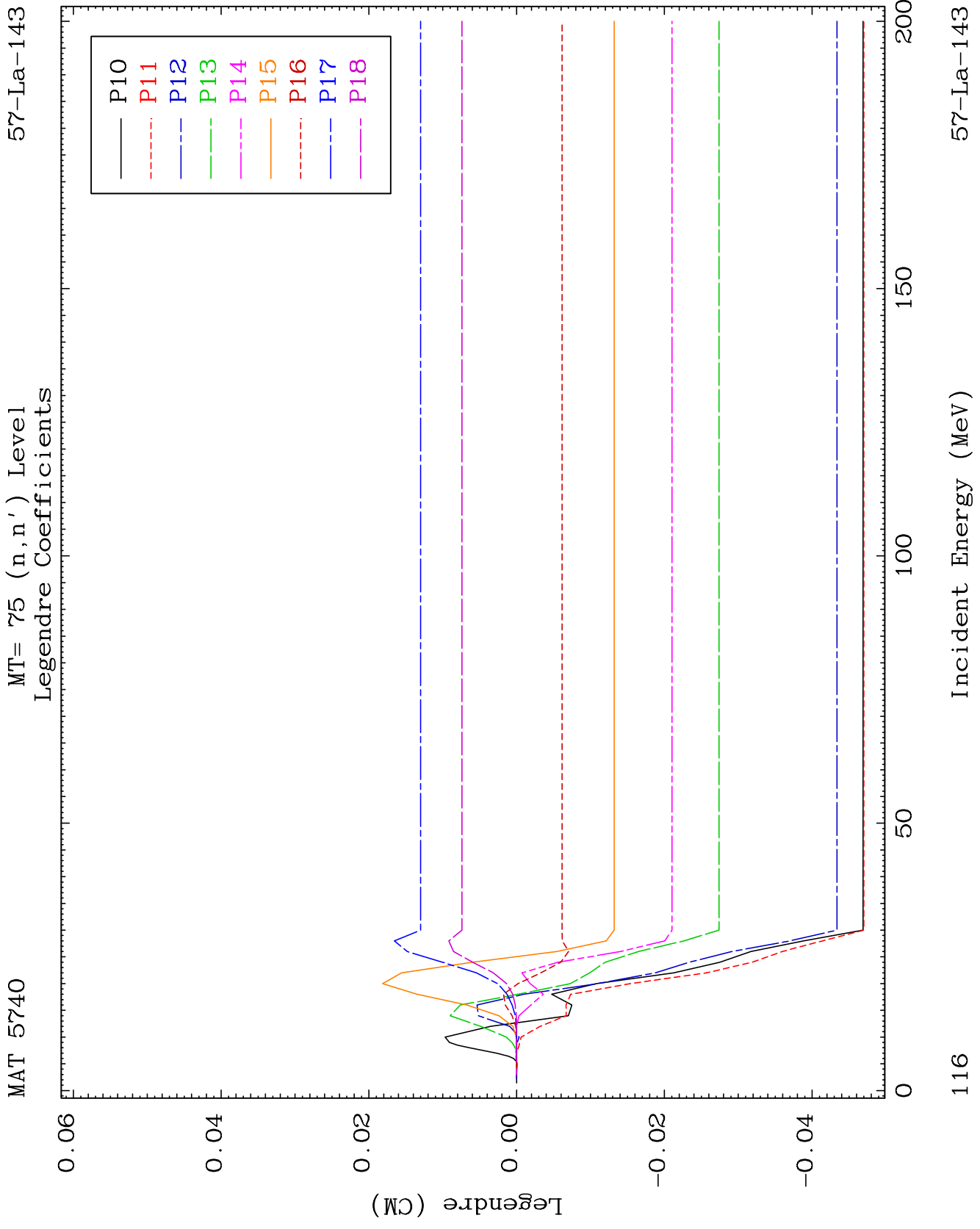
57-La-143



57-La-143

Incident Energy (MeV)

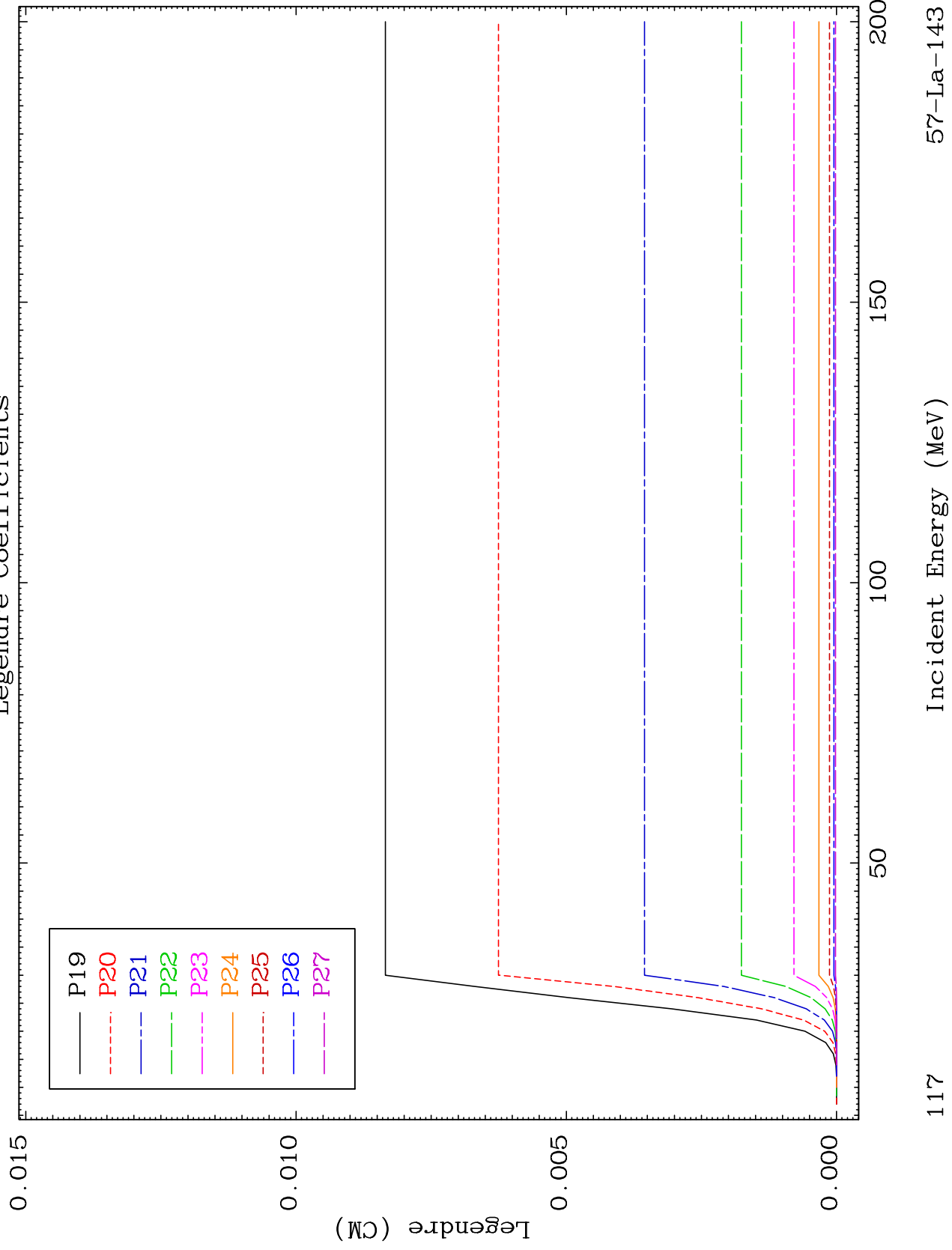
115



MAT 5740

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

57-La-143



117

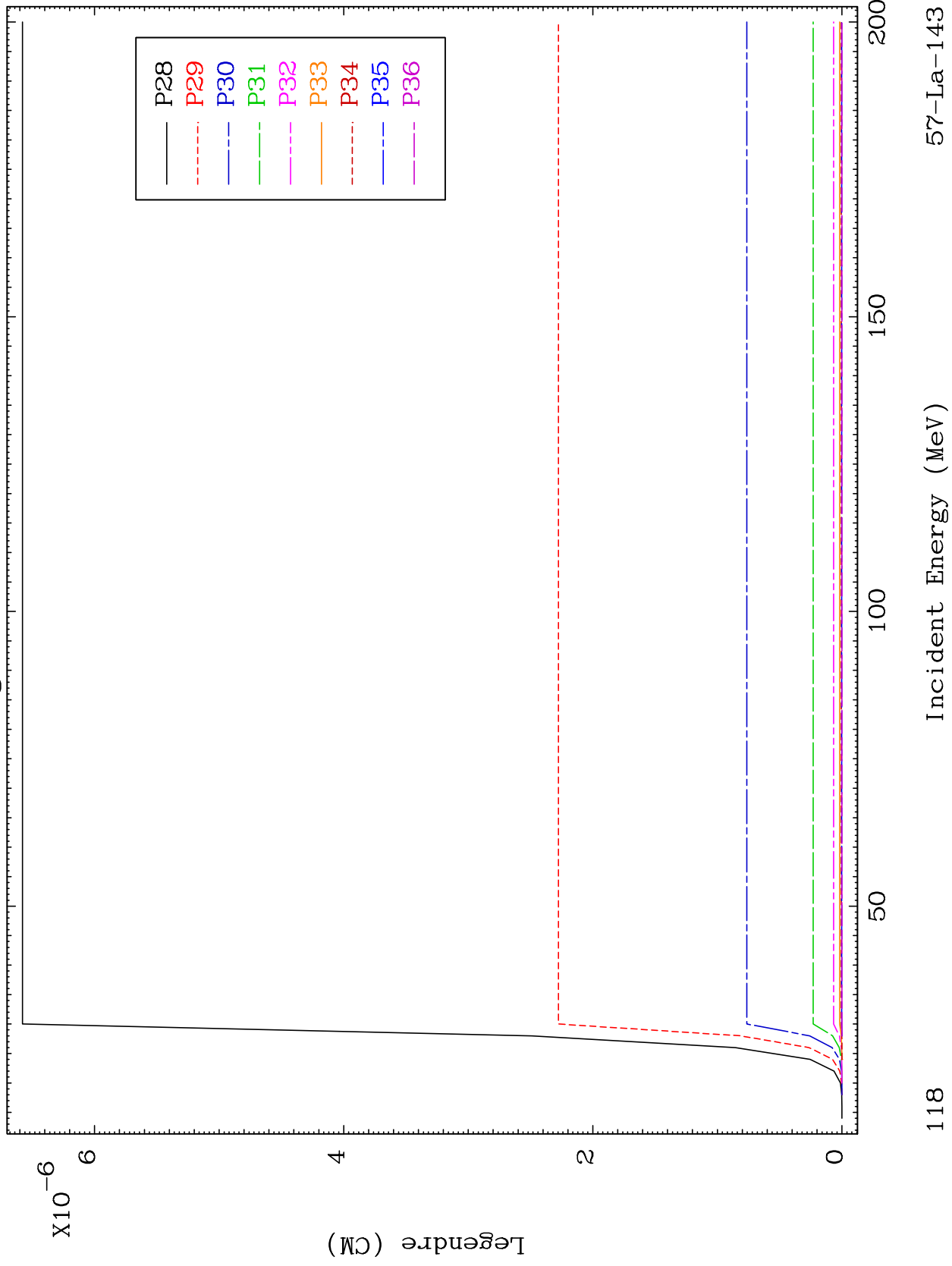
Incident Energy (MeV)

57-La-143

MAT 5740

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

57-La-143



118

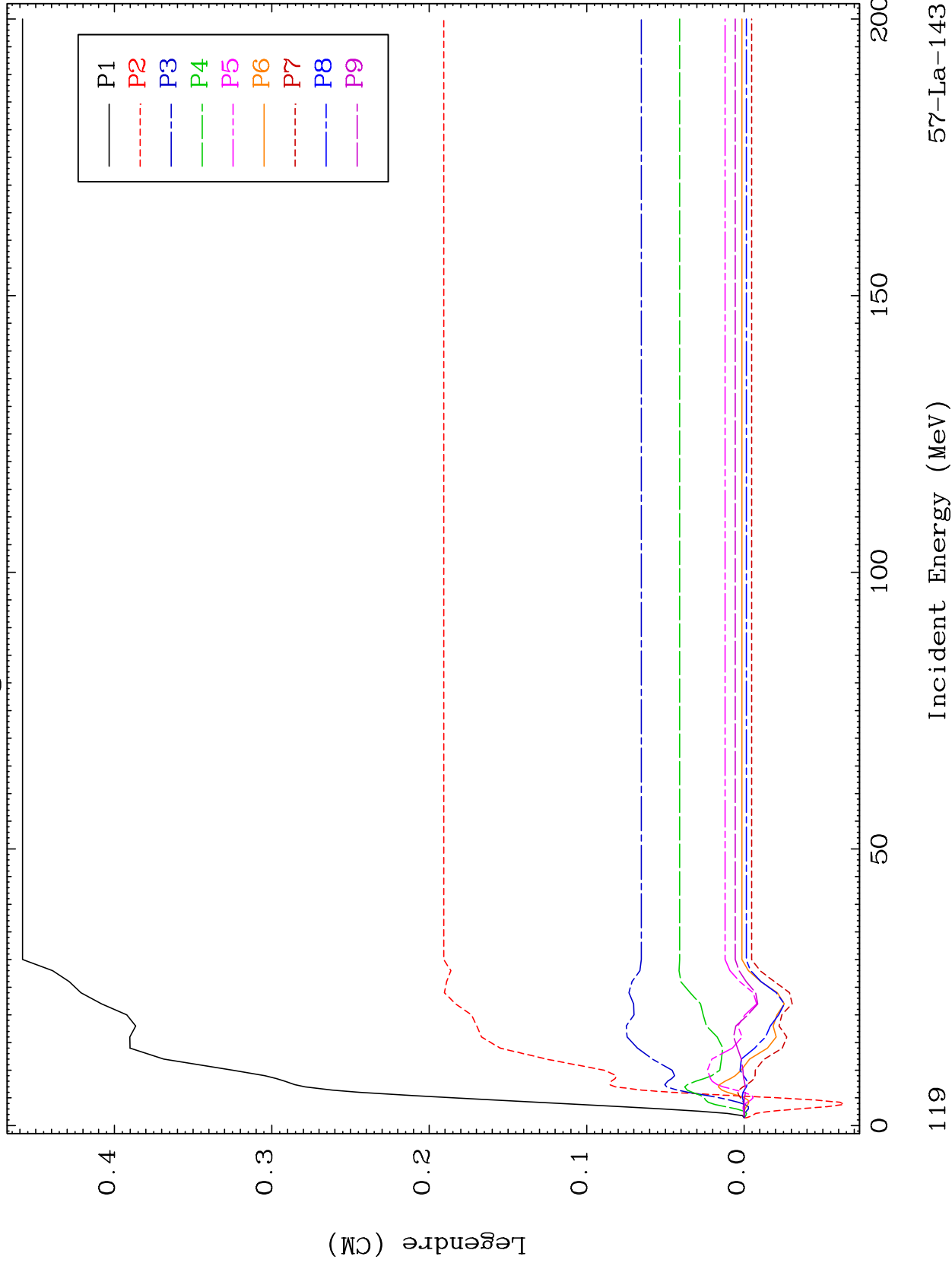
Incident Energy (MeV)

57-La-143

MAT 5740

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

57-La-143



57-La-143

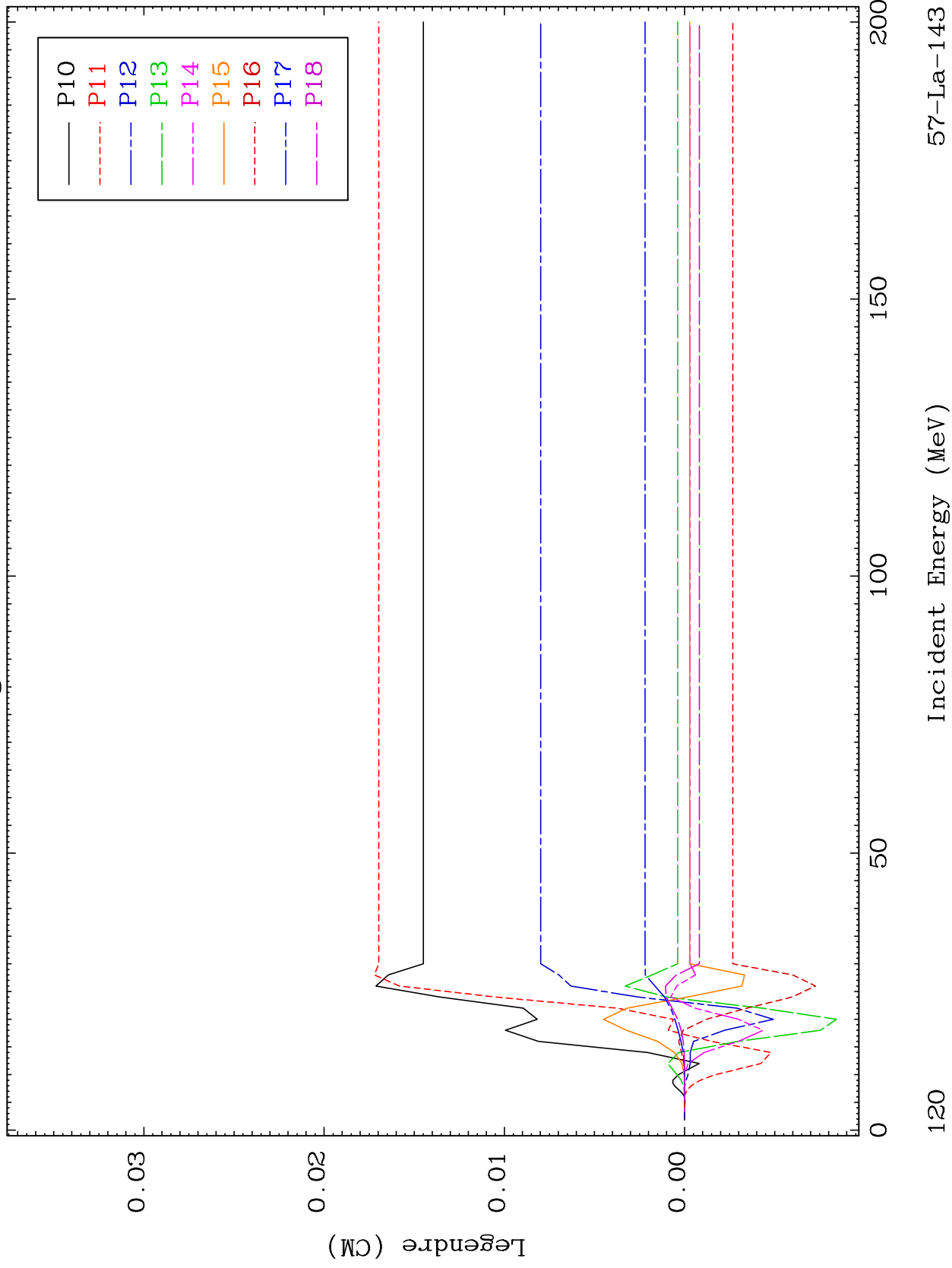
Incident Energy (MeV)

119

MAT 5740

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

57-La-143



57-La-143

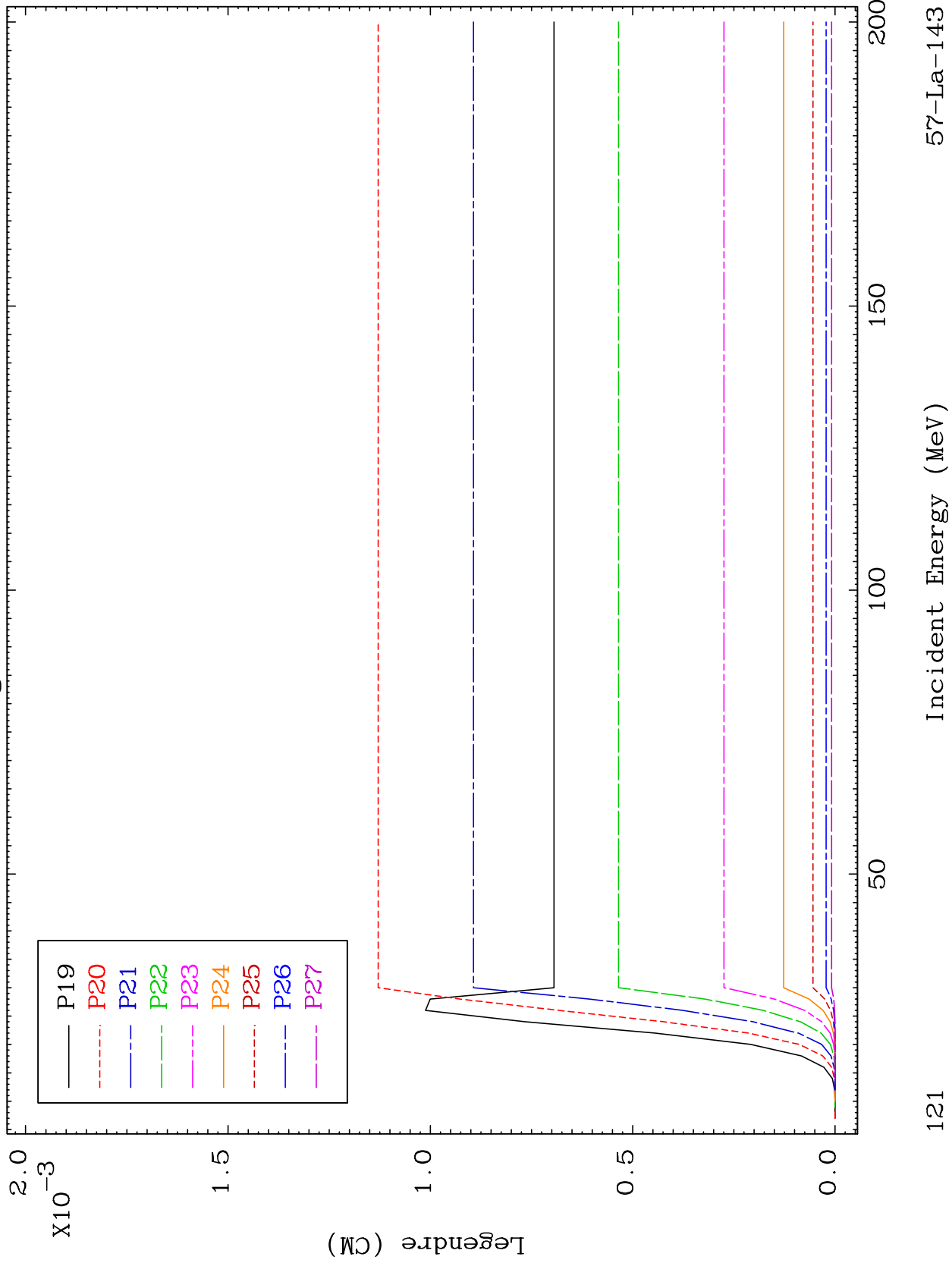
Incident Energy (MeV)

120

MAT 5740

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

57-La-143



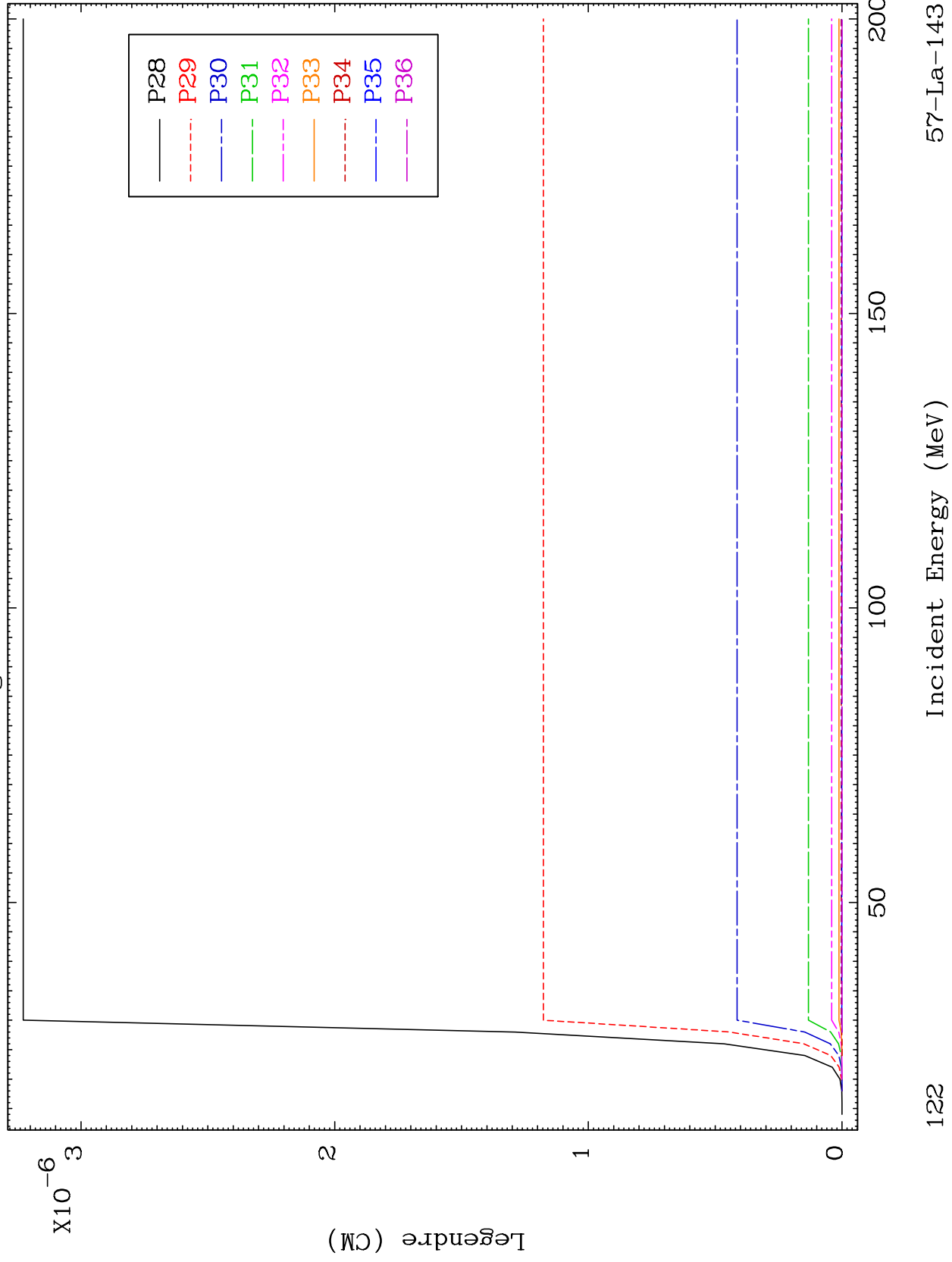
121

57-La-143

MAT 5740

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

57-La-143



122

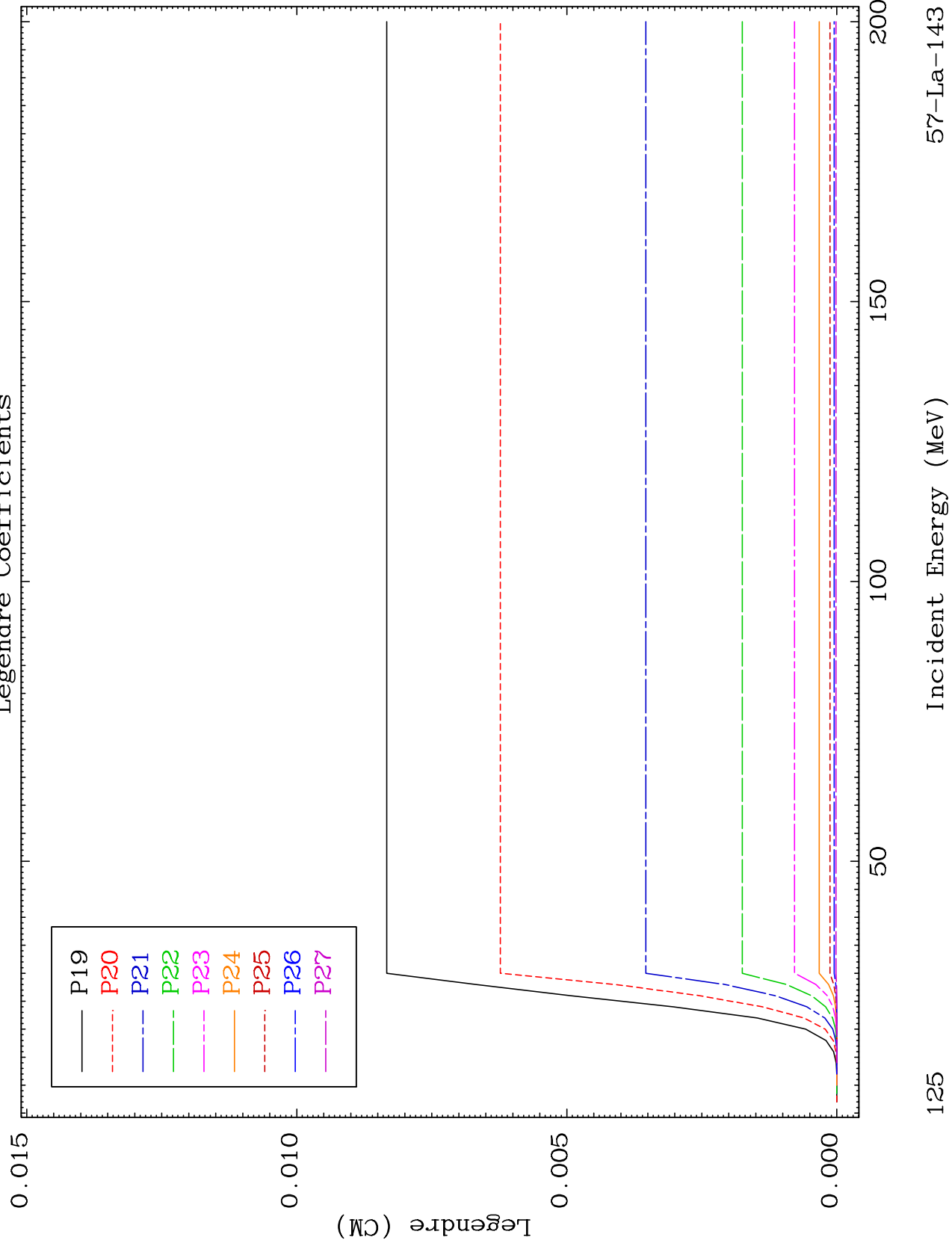
Incident Energy (MeV)

57-La-143

MAT 5740

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

57-La-143



125

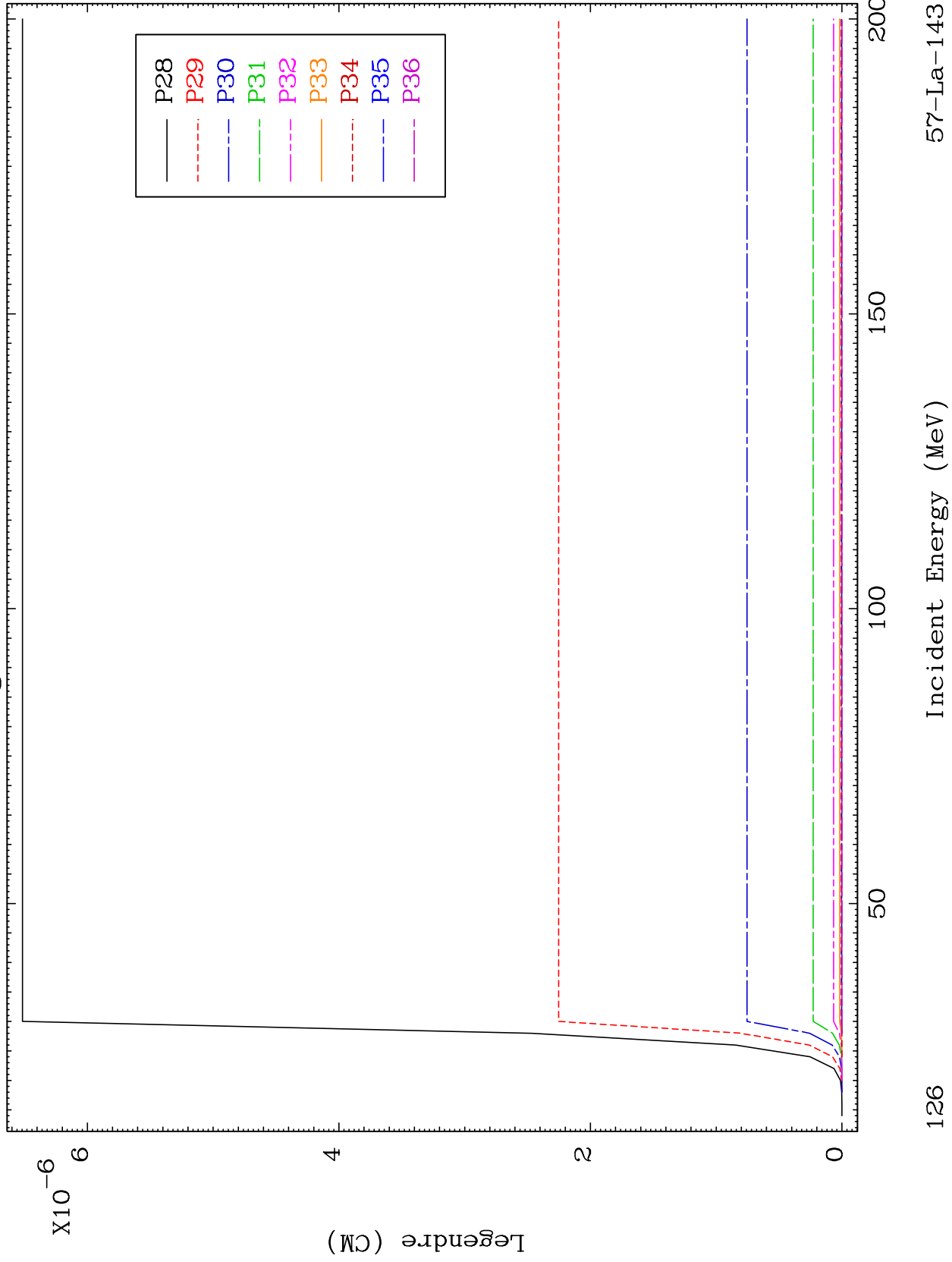
Incident Energy (MeV)

57-La-143

MAT 5740

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

57-La-143



126

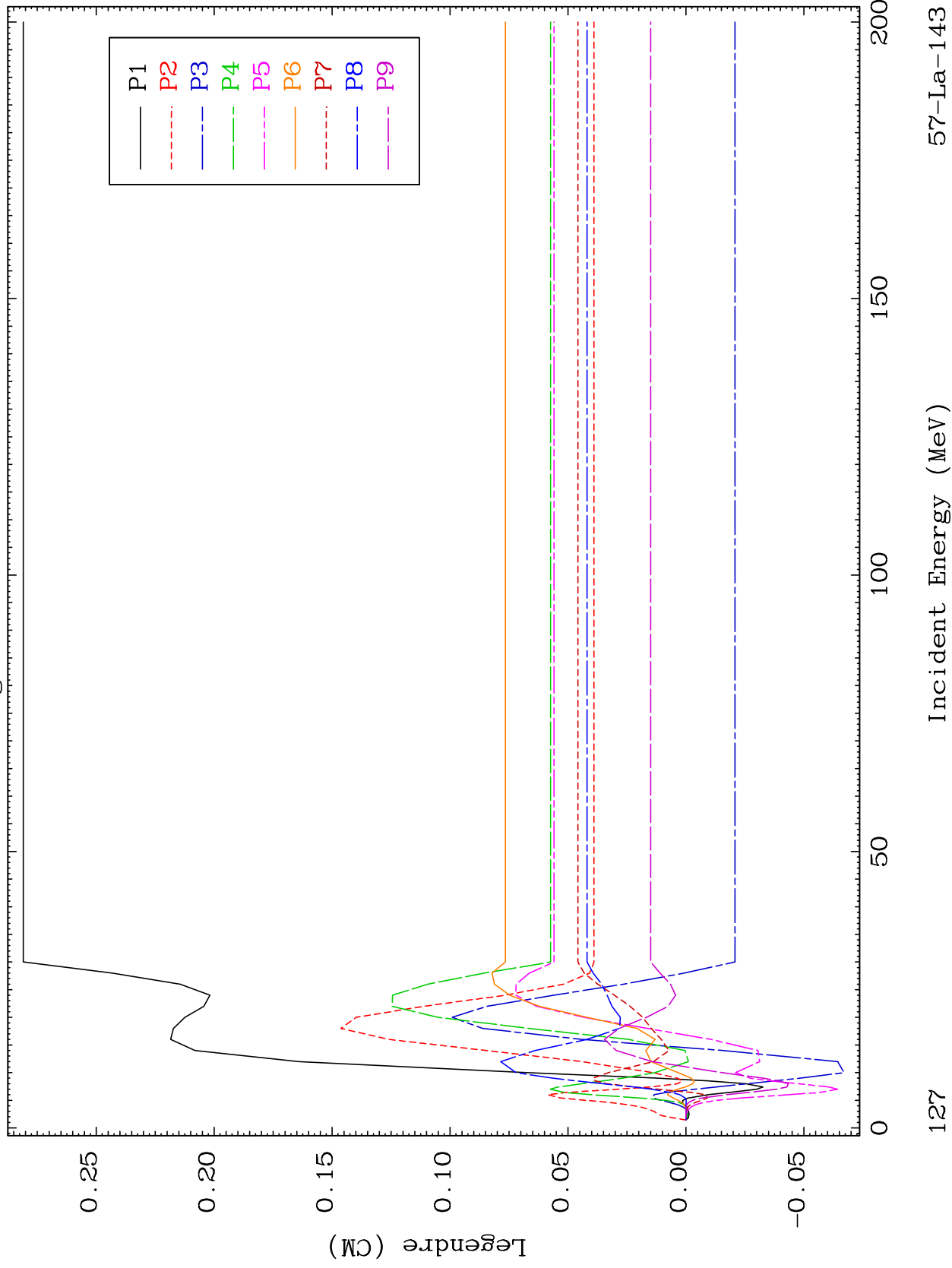
Incident Energy (MeV)

57-La-143

MAT 5740

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

57-La-143



57-La-143

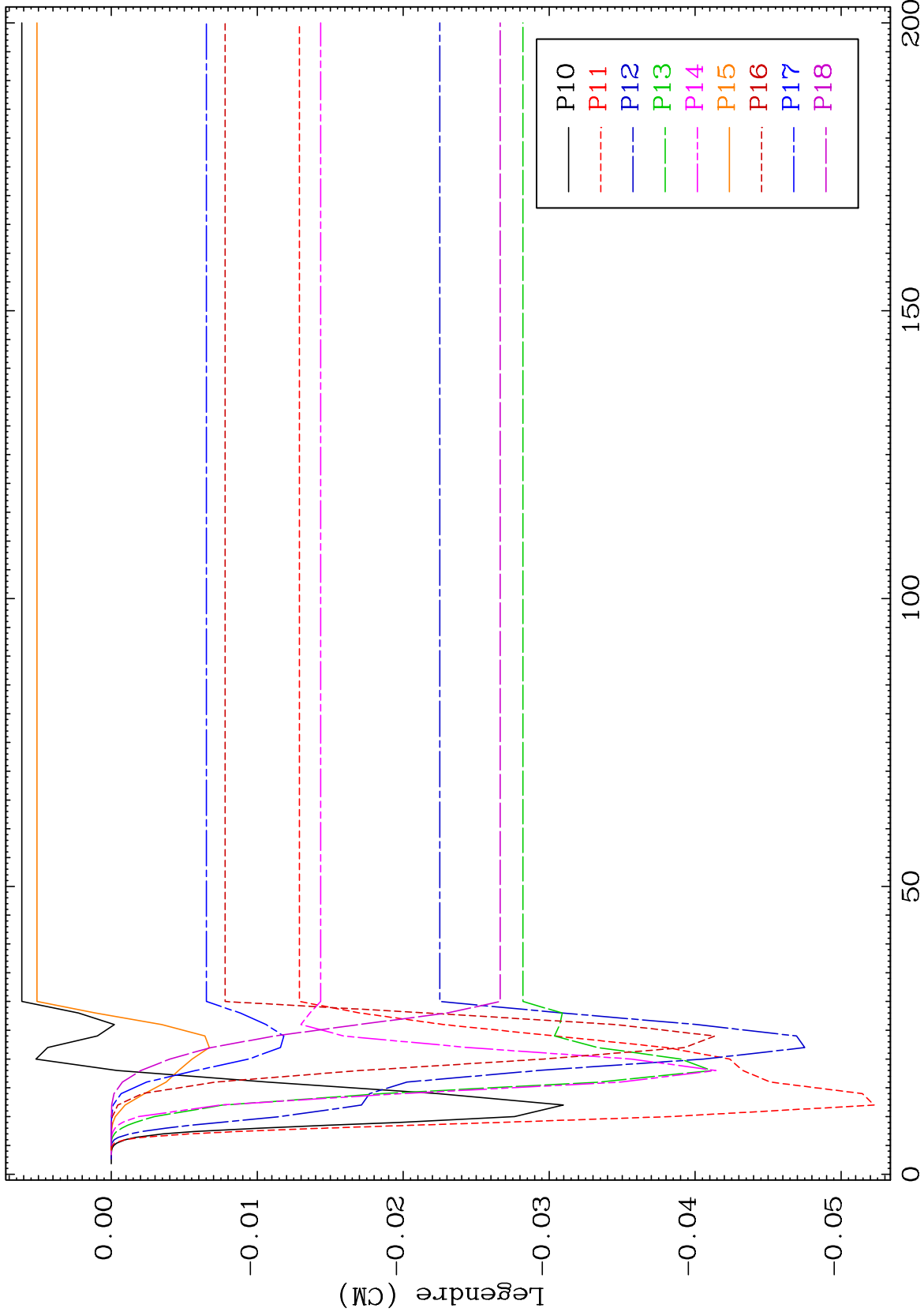
Incident Energy (MeV)

127

MAT 5740

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

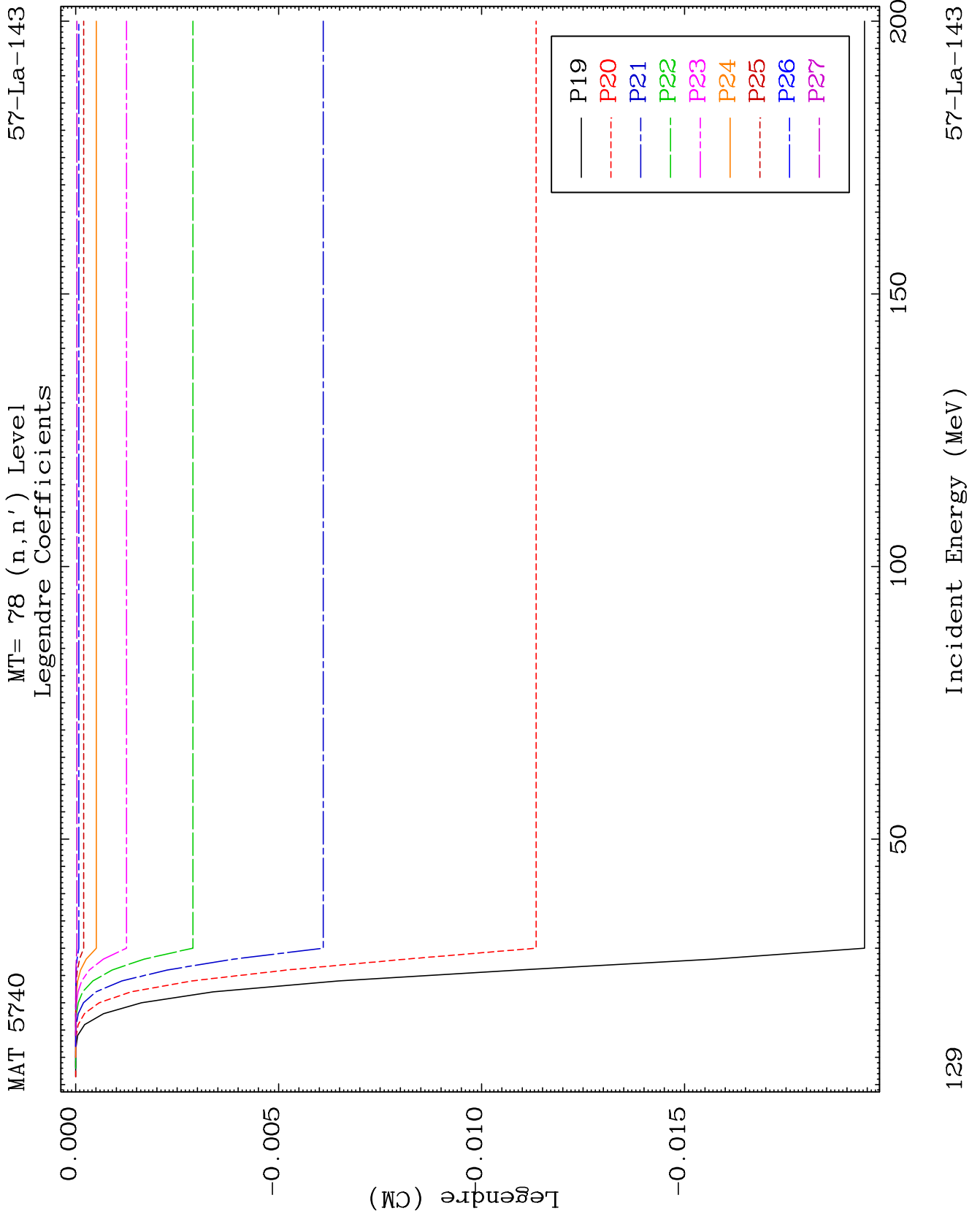
57-La-143

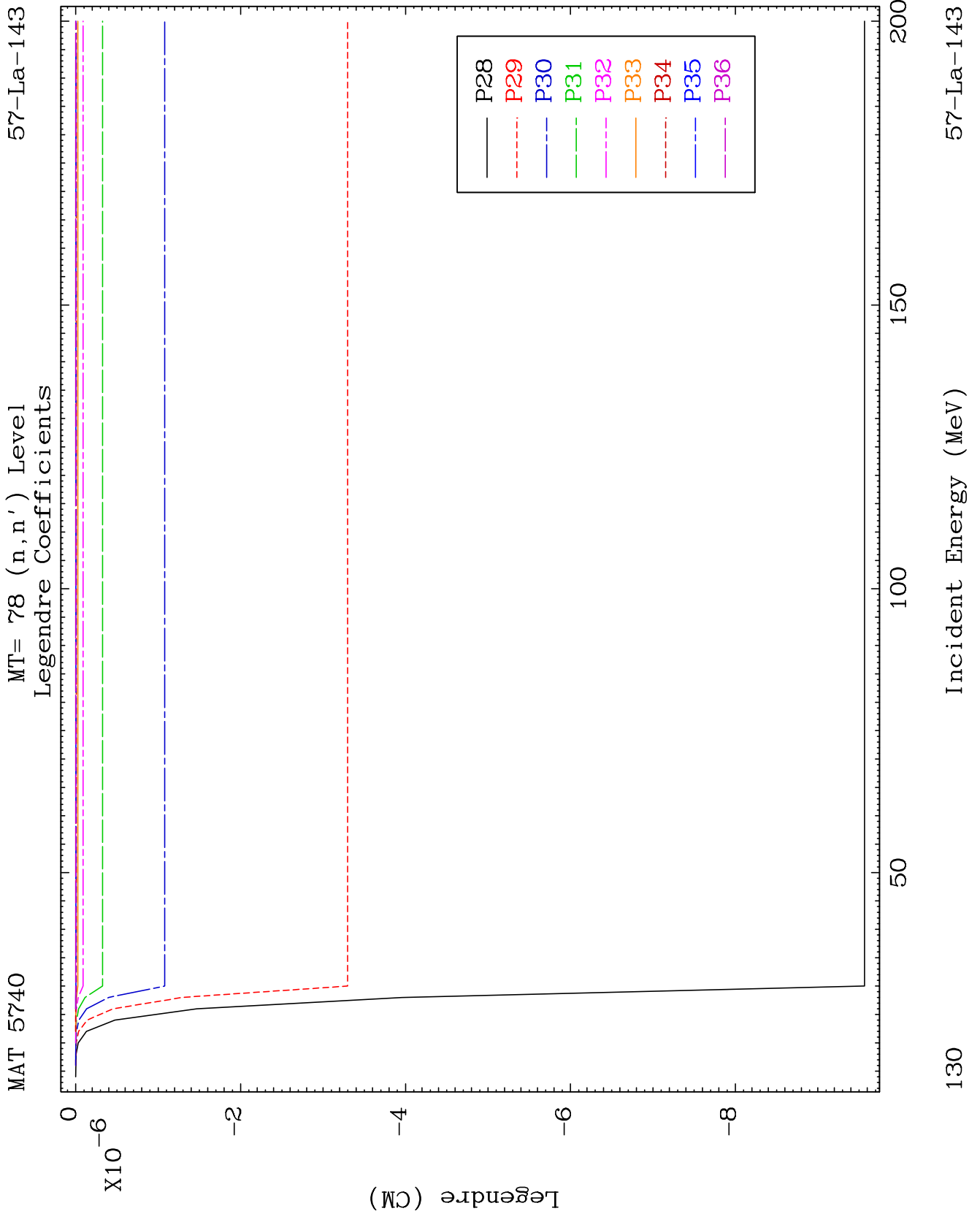


128

Incident Energy (MeV)

57-La-143

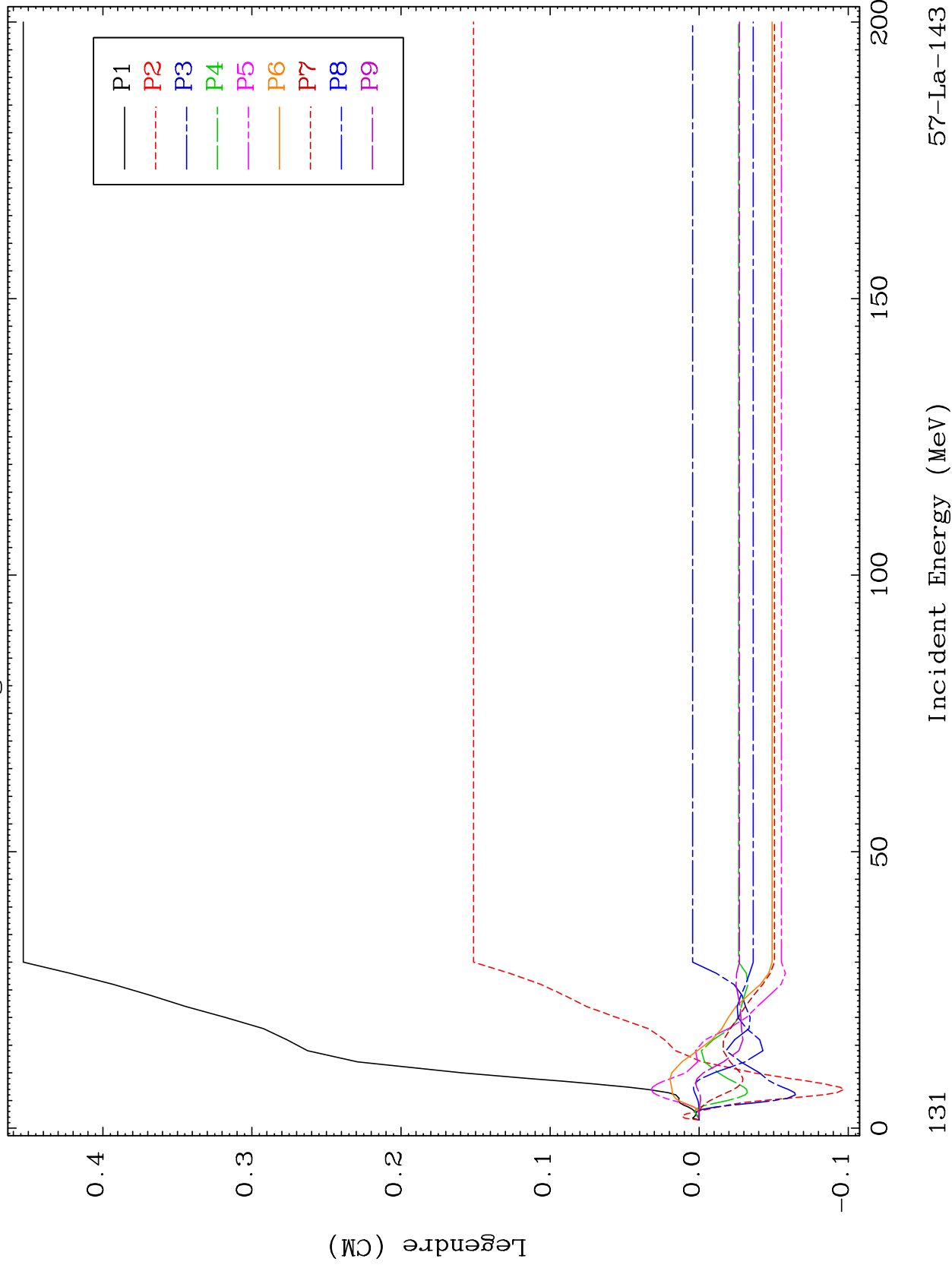




MAT 5740

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

57-La-143



57-La-143

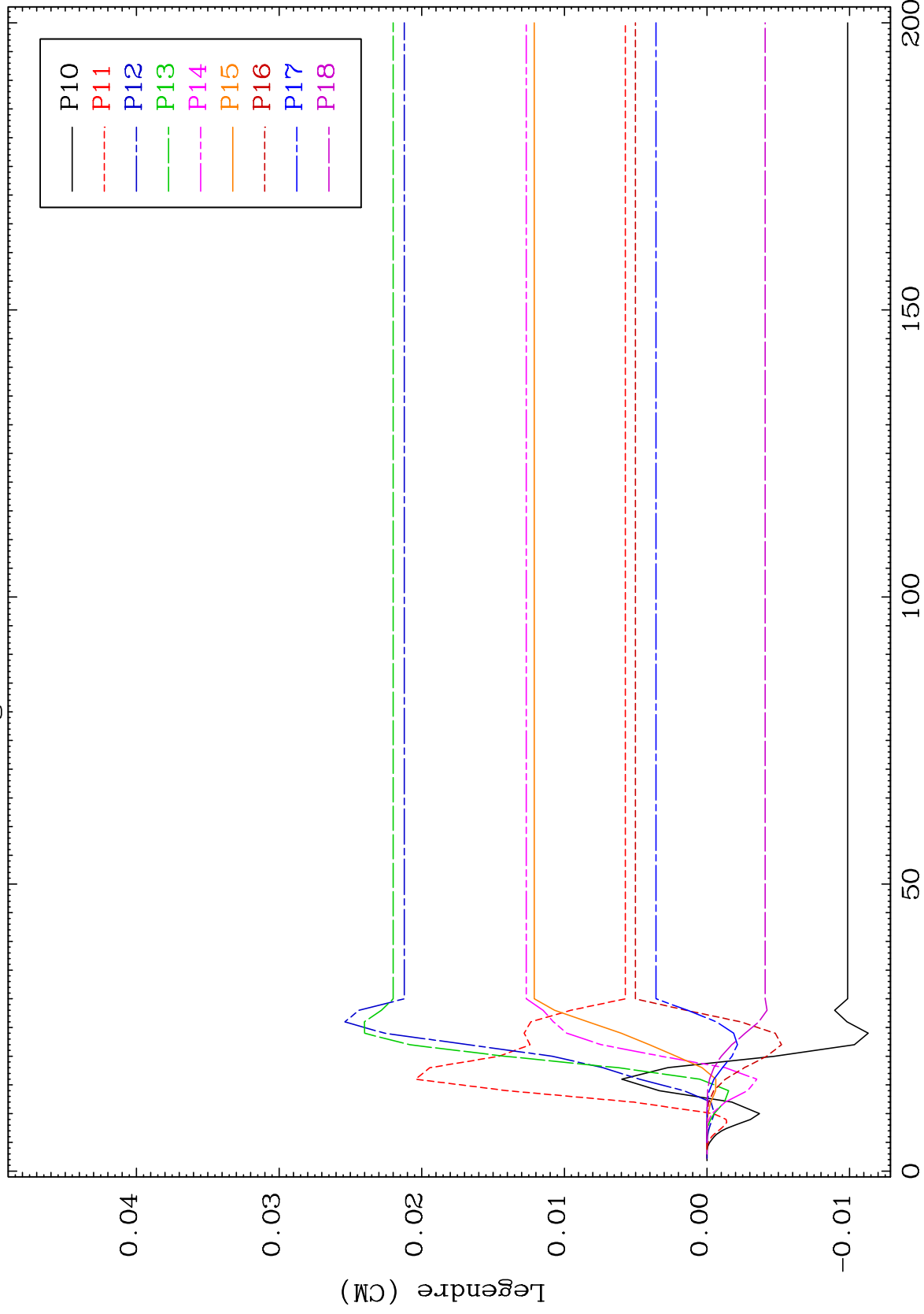
Incident Energy (MeV)

131

MAT 5740

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

57-La-143



132

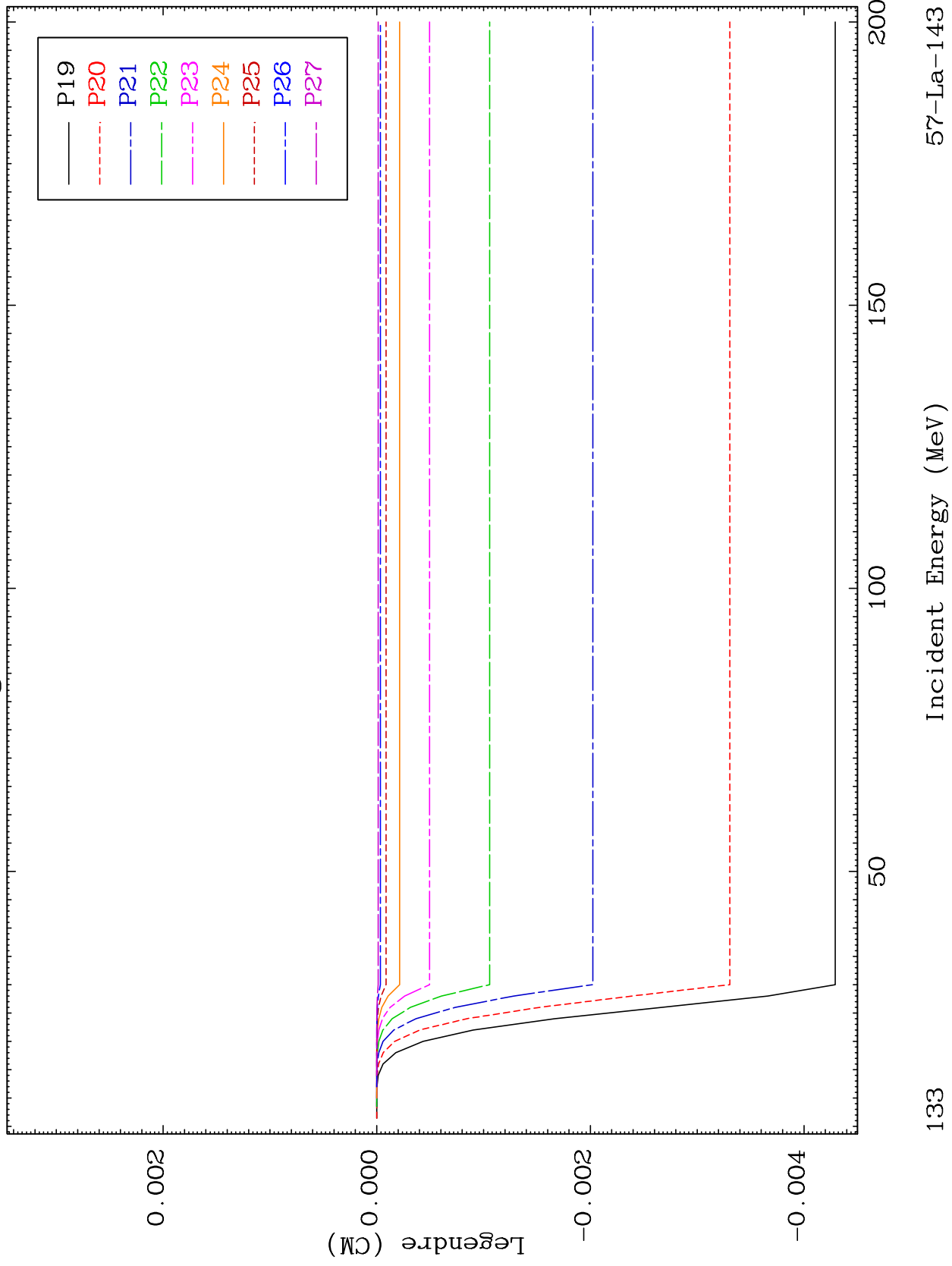
Incident Energy (MeV)

57-La-143

MAT 5740

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

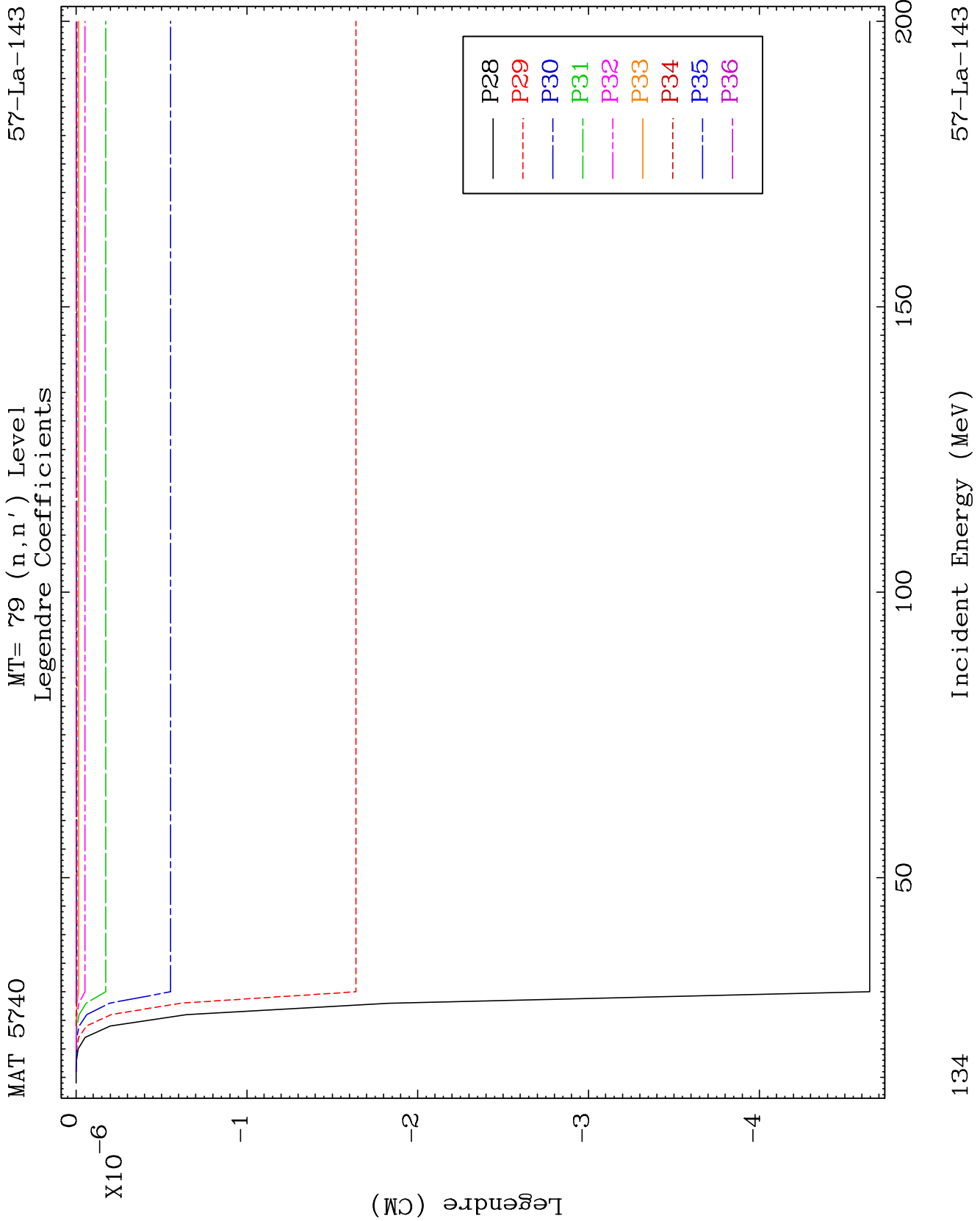
57-La-143

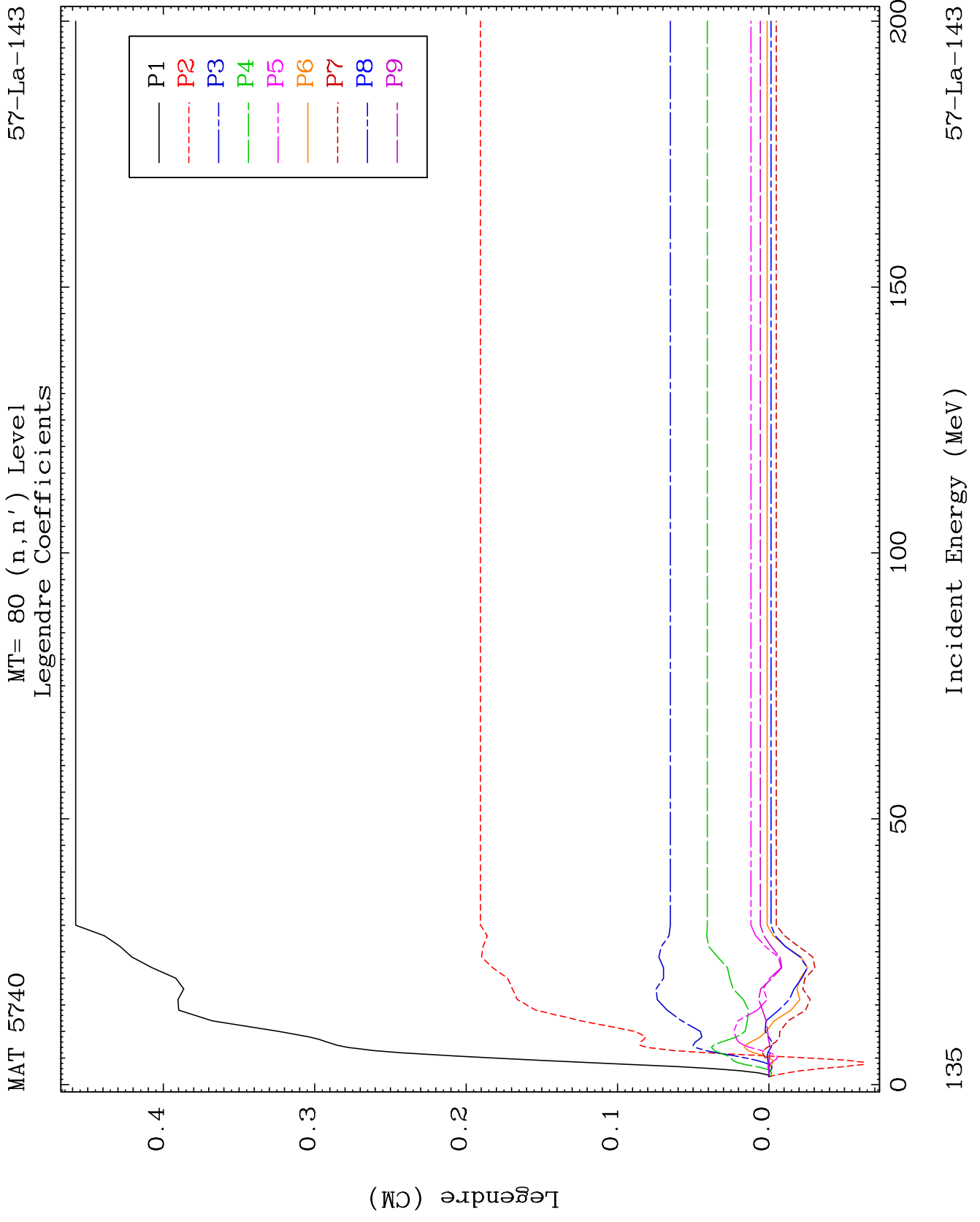


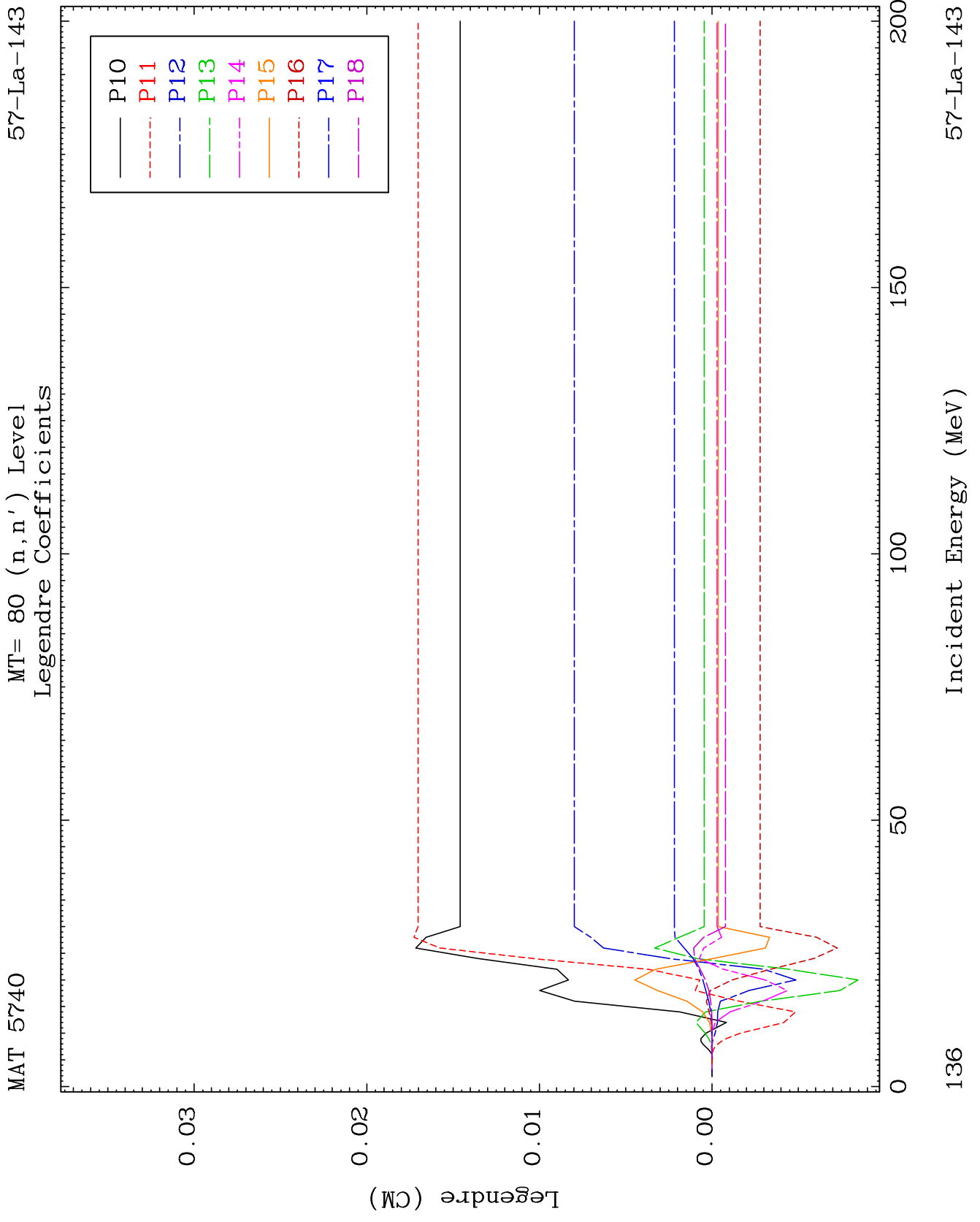
133

Incident Energy (MeV)

57-La-143



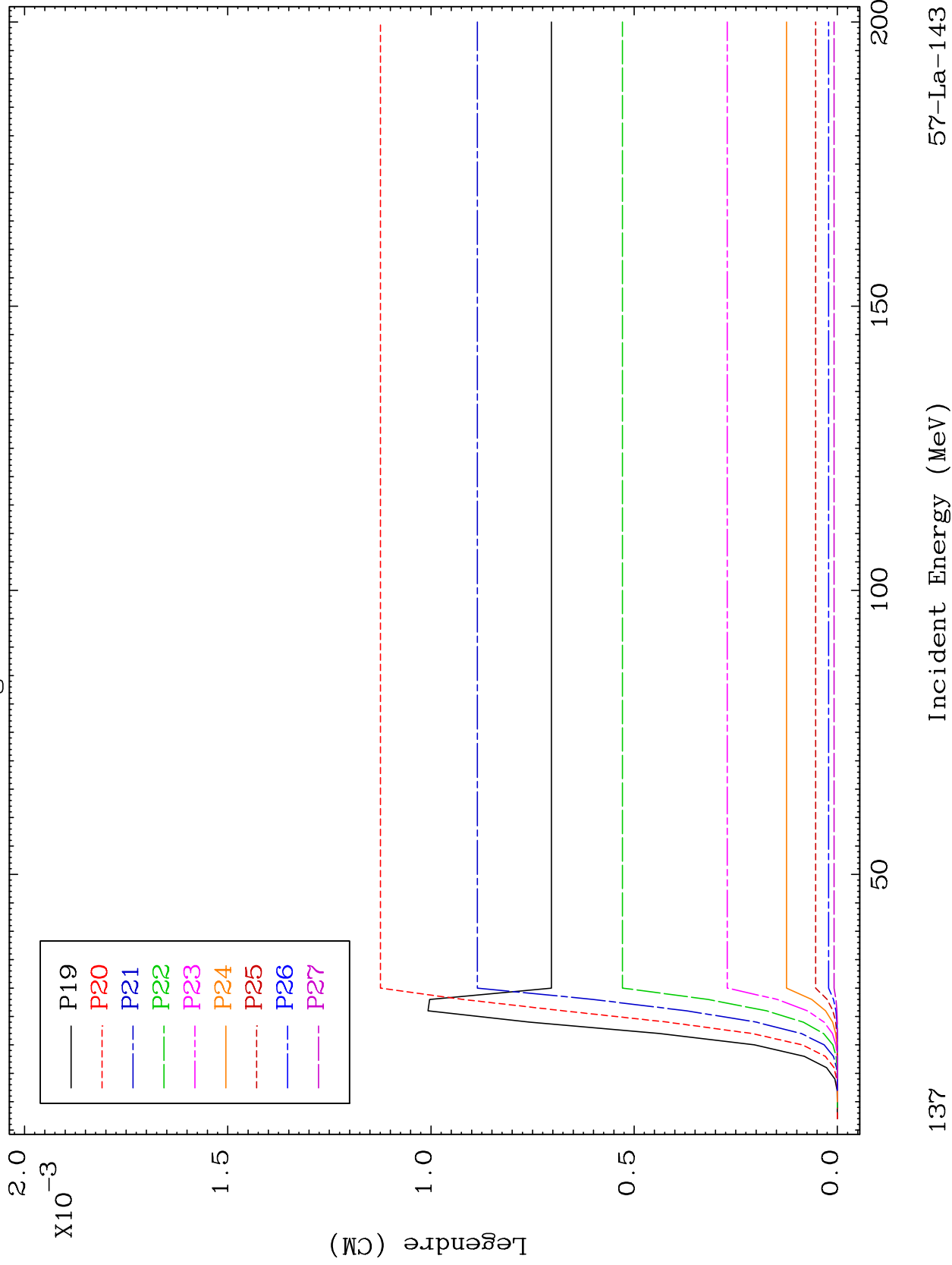




MAT 5740

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

57-La-143



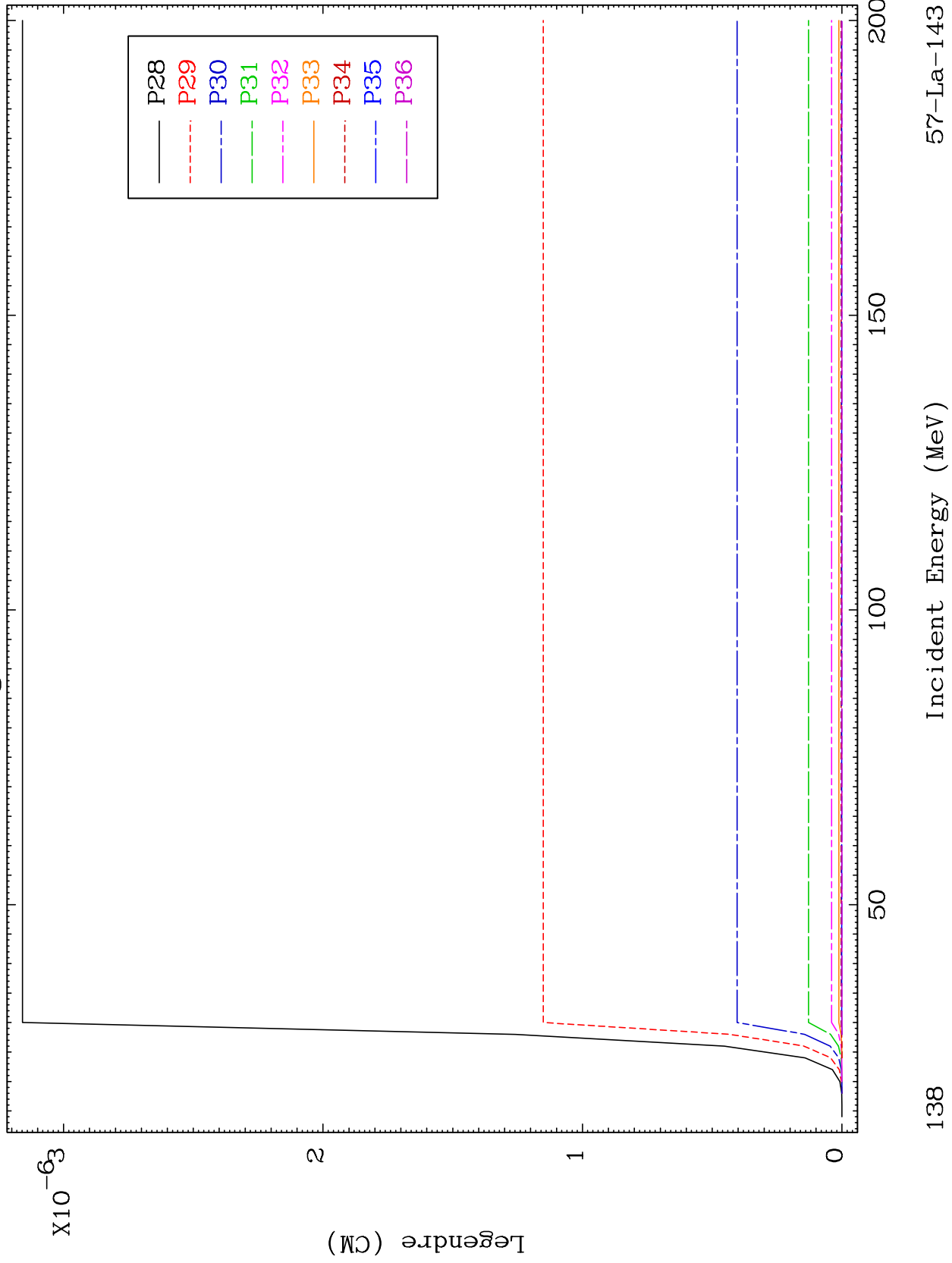
137

57-La-143

MAT 5740

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

57-La-143



138

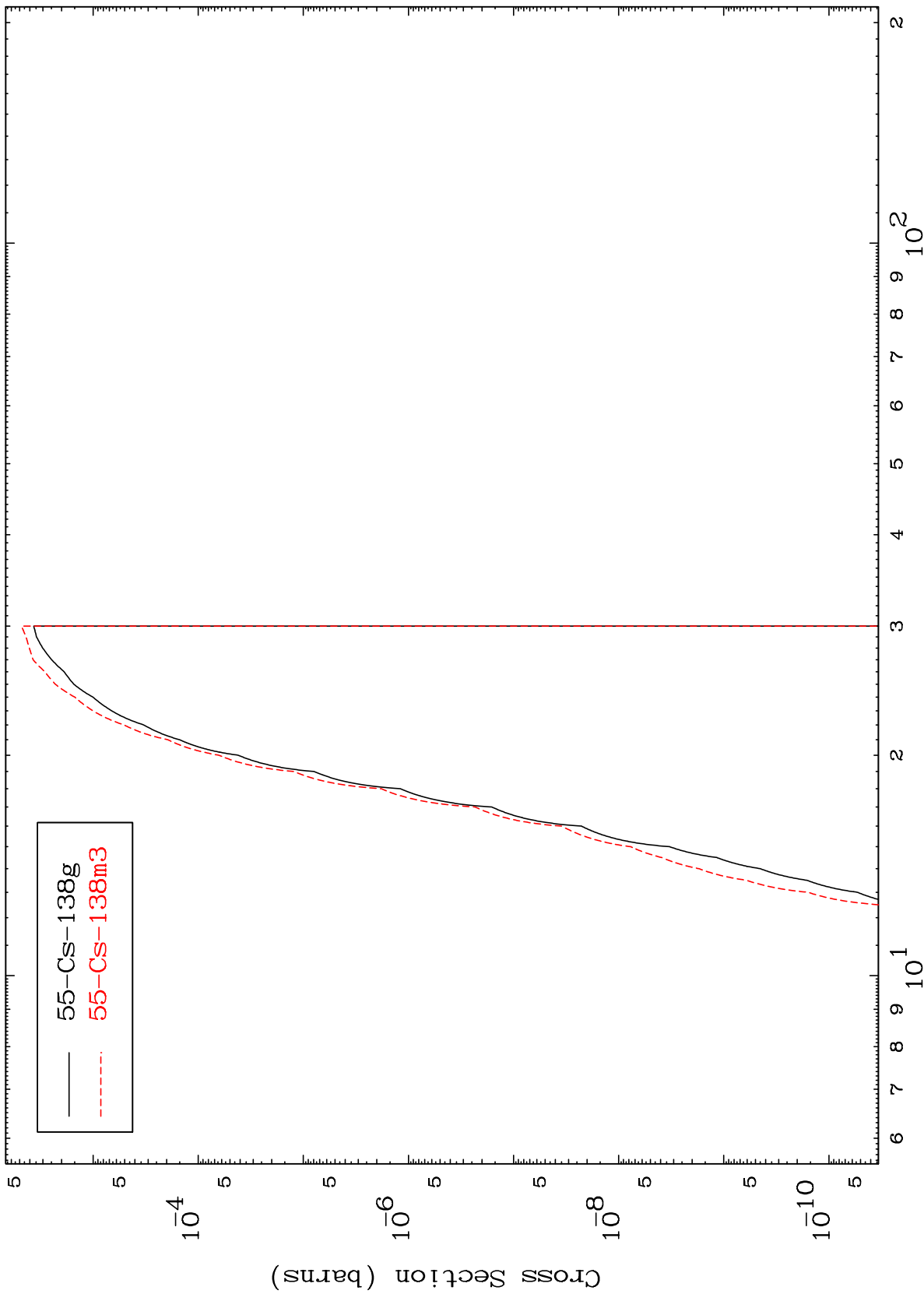
57-La-143

MAT 5740

$(n,2n) \alpha$

57-La-143

Radionuclide Production Cross Section



139

Incident Energy (MeV)

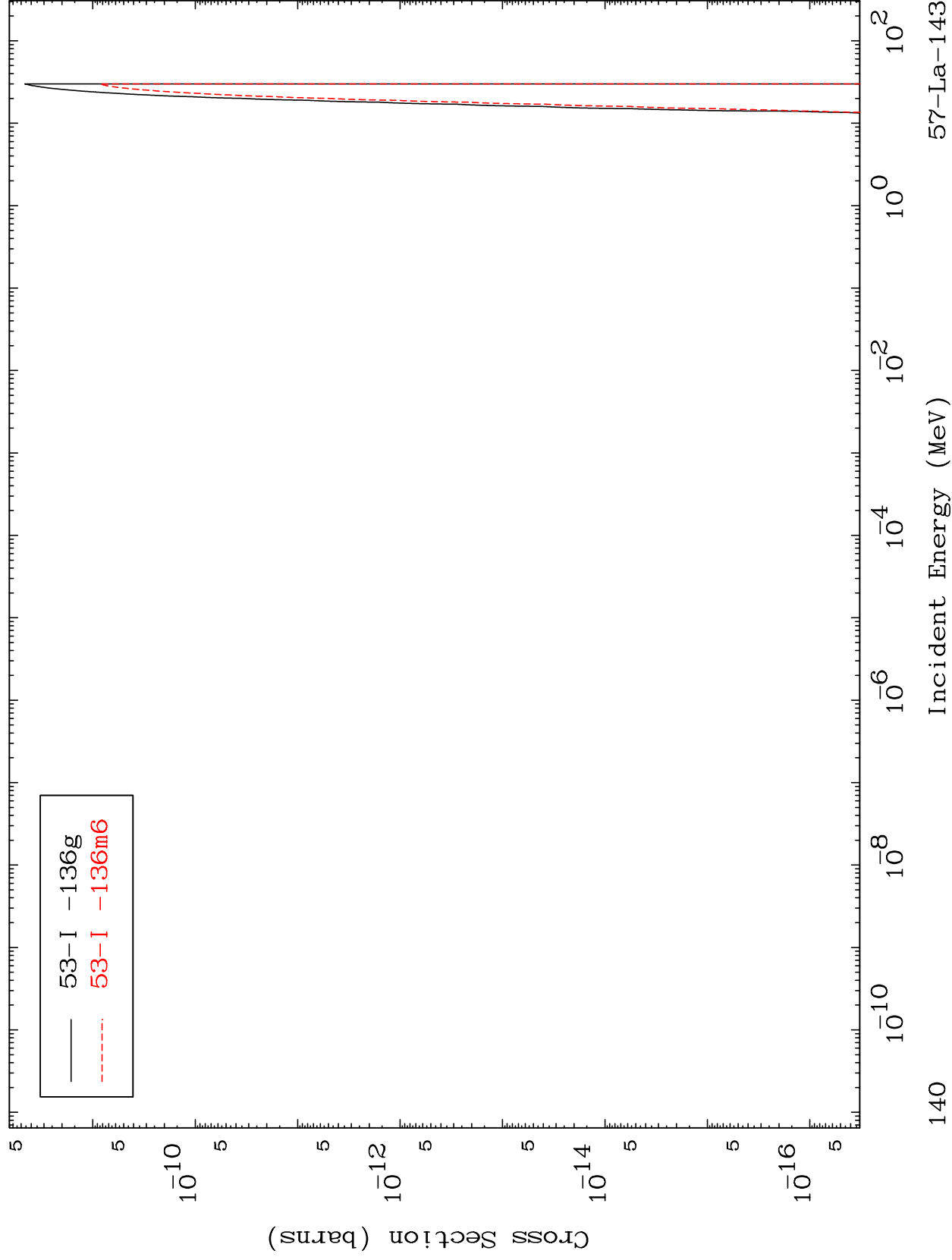
57-La-143

MAT 5740

(n,2α)

57-La-143

Radionuclide Production Cross Section



140