

Program EVALPLOT  
(Version 2021-1)

by

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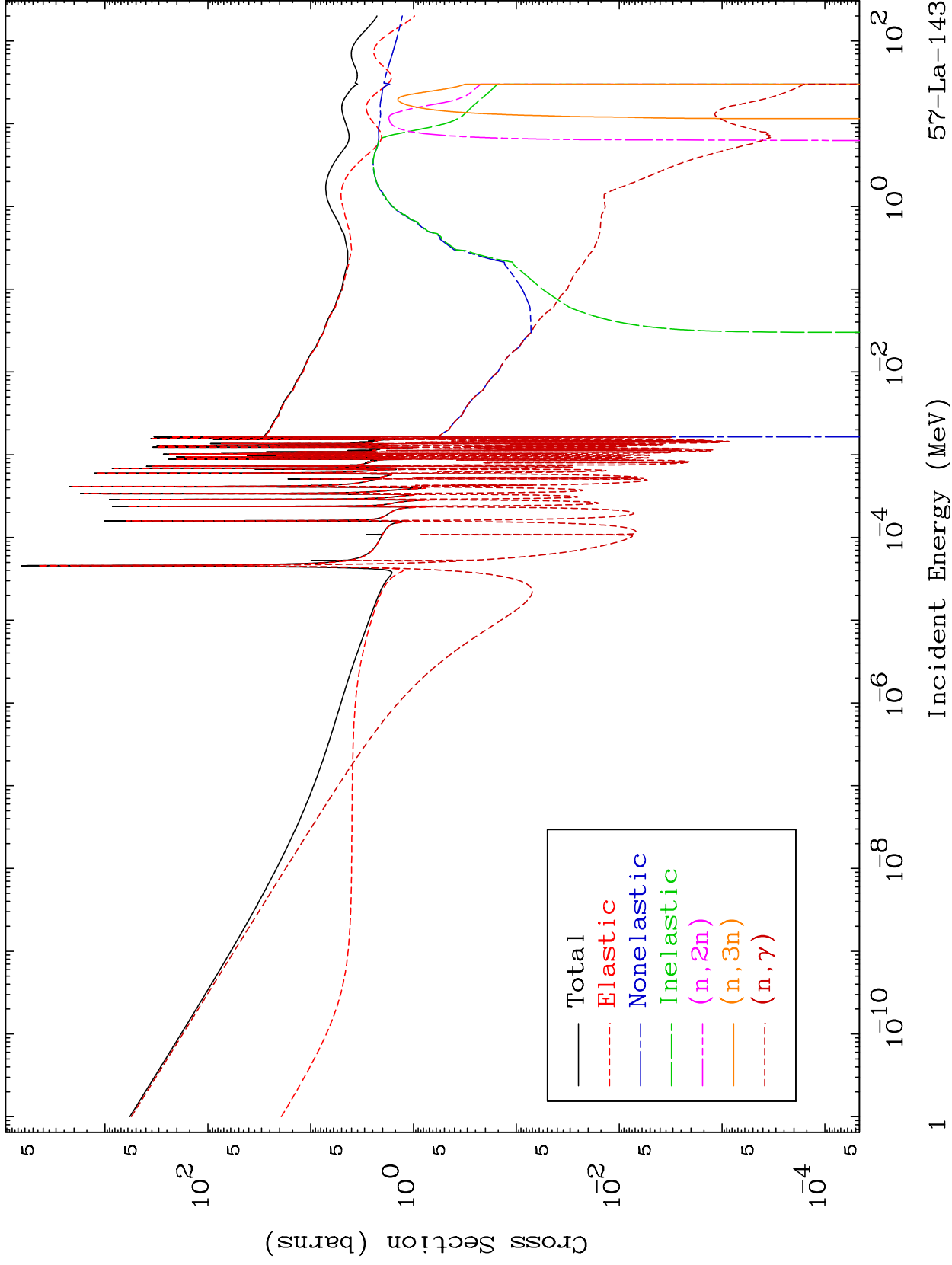
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5740

Neutron Major  
293 Kelvin Cross Sections

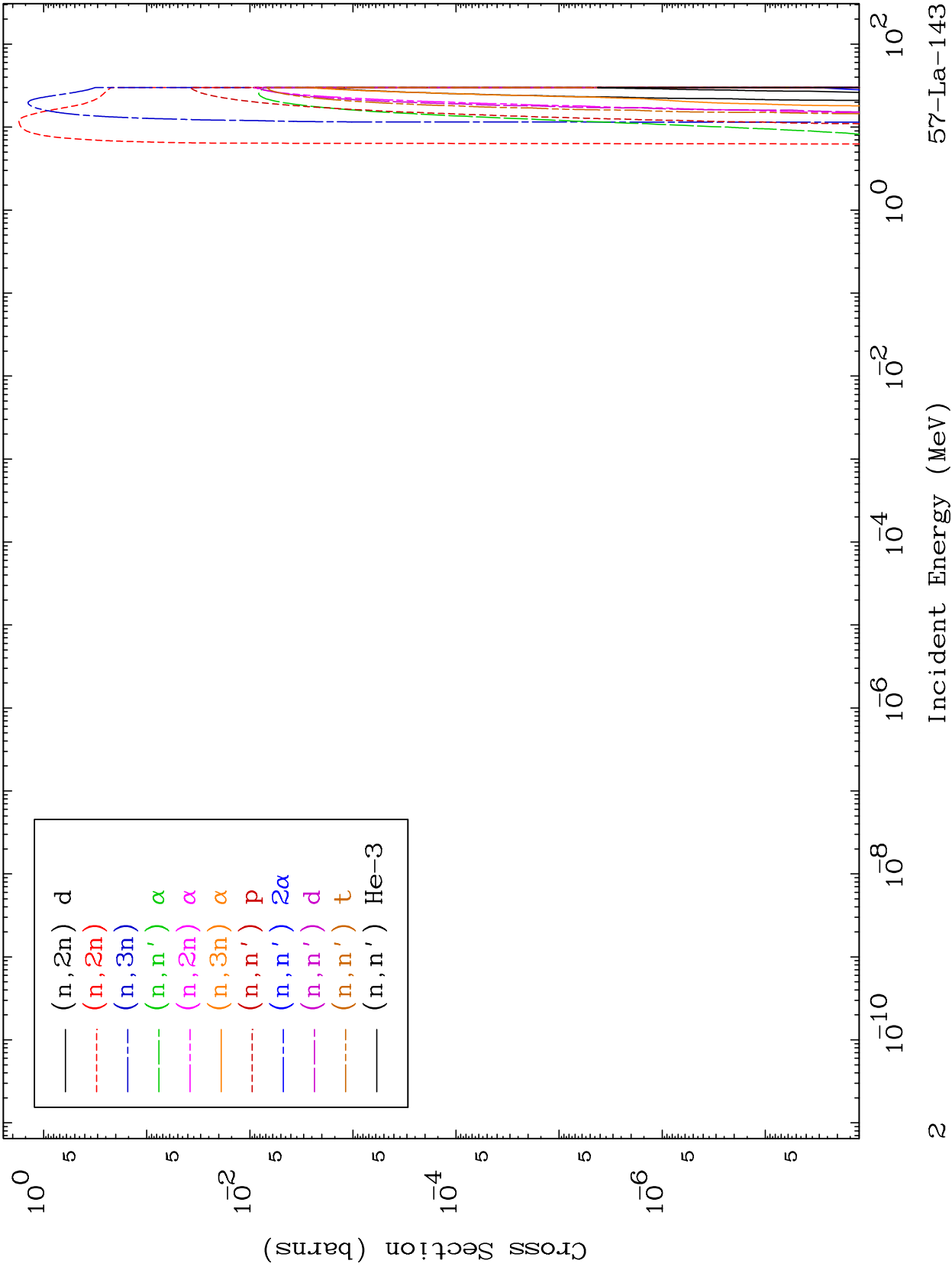
57-La-143



MAT 5740

Neutron Absorption  
293 Kelvin Cross Sections

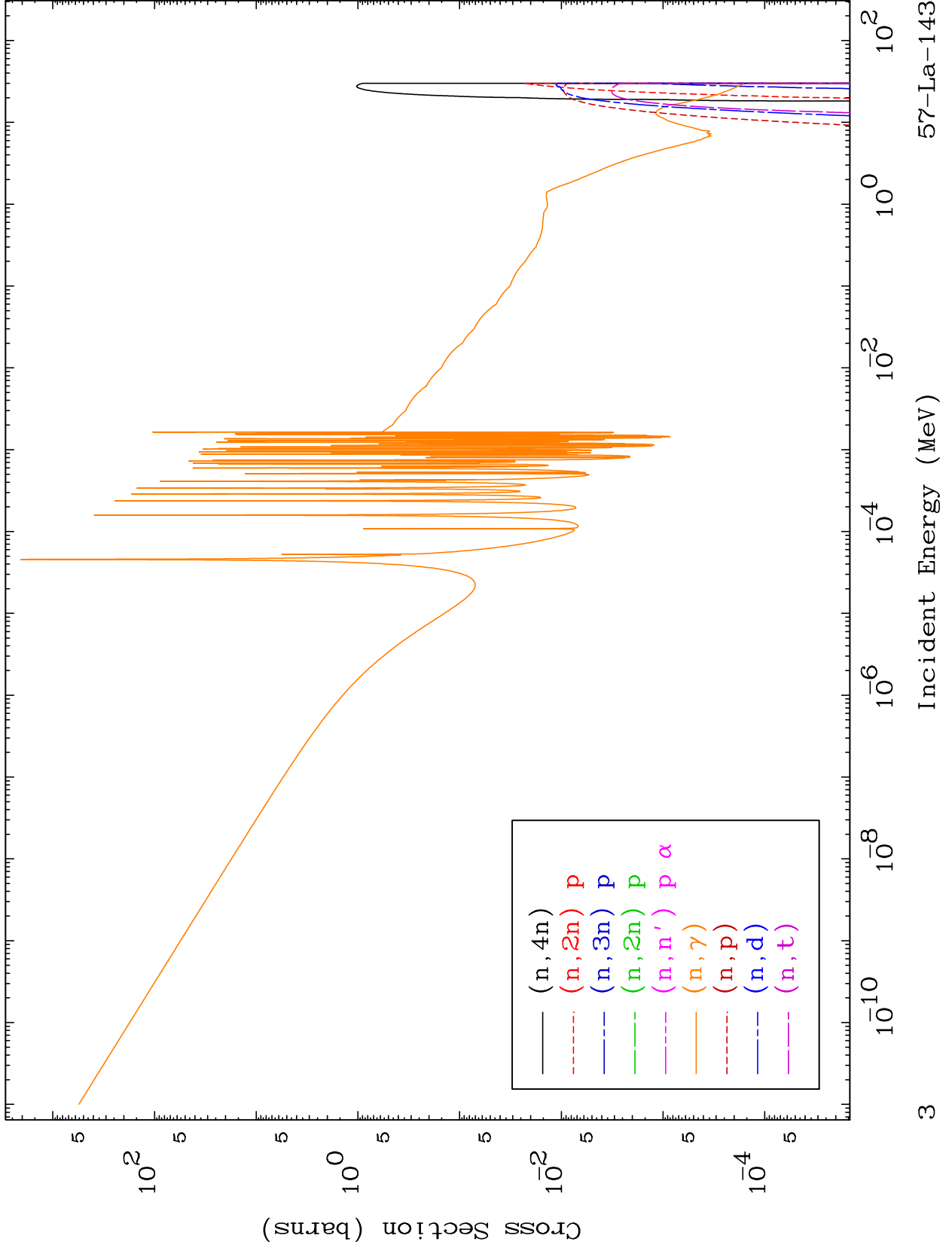
57-La-143



MAT 5740

Neutron Absorption  
293 Kelvin Cross Sections

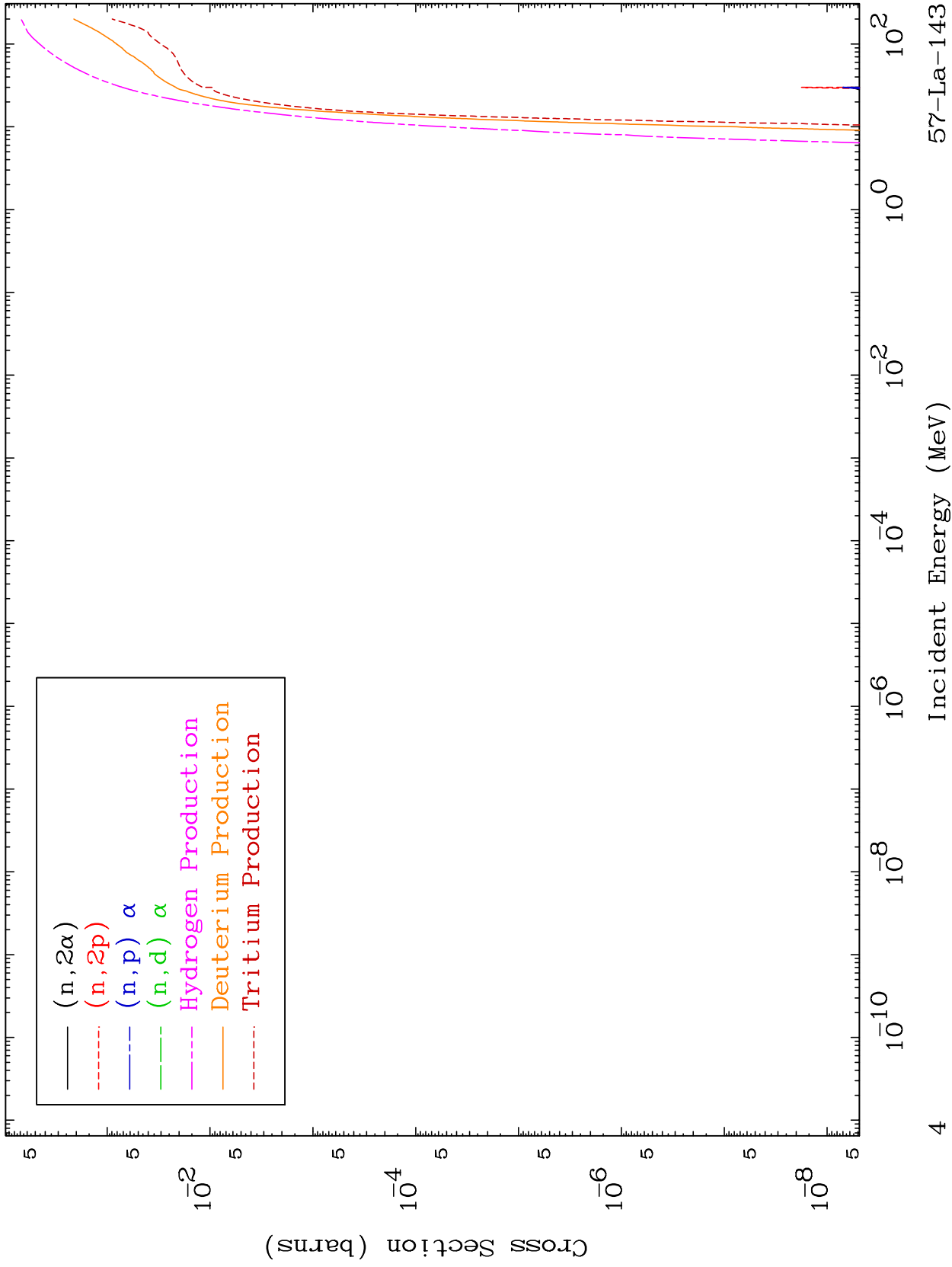
57-La-143



MAT 5740

Neutron Absorption  
293 Kelvin Cross Sections

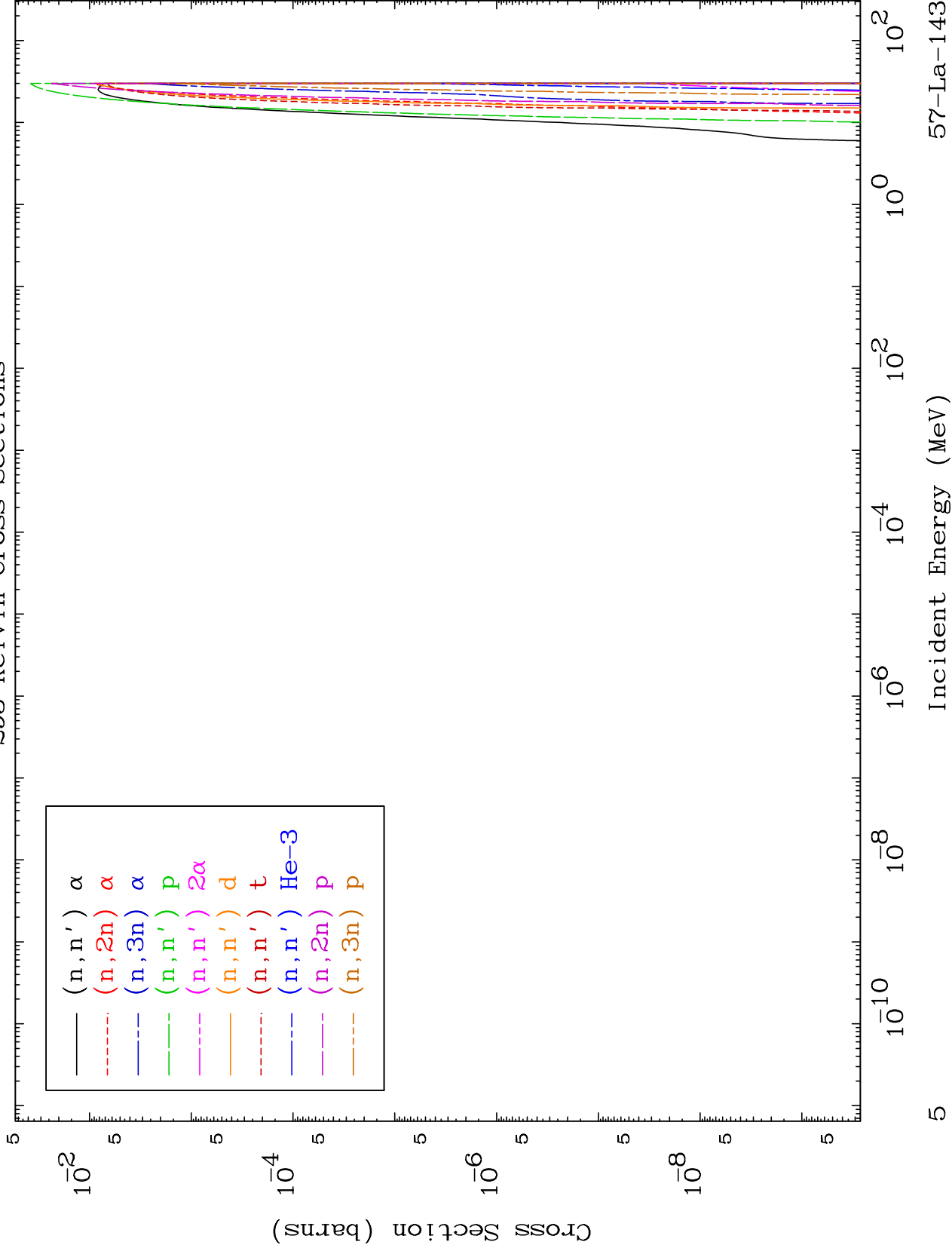
57-La-143



MAT 5740

Charged Particle  
293 Kelvin Cross Sections

57-La-143



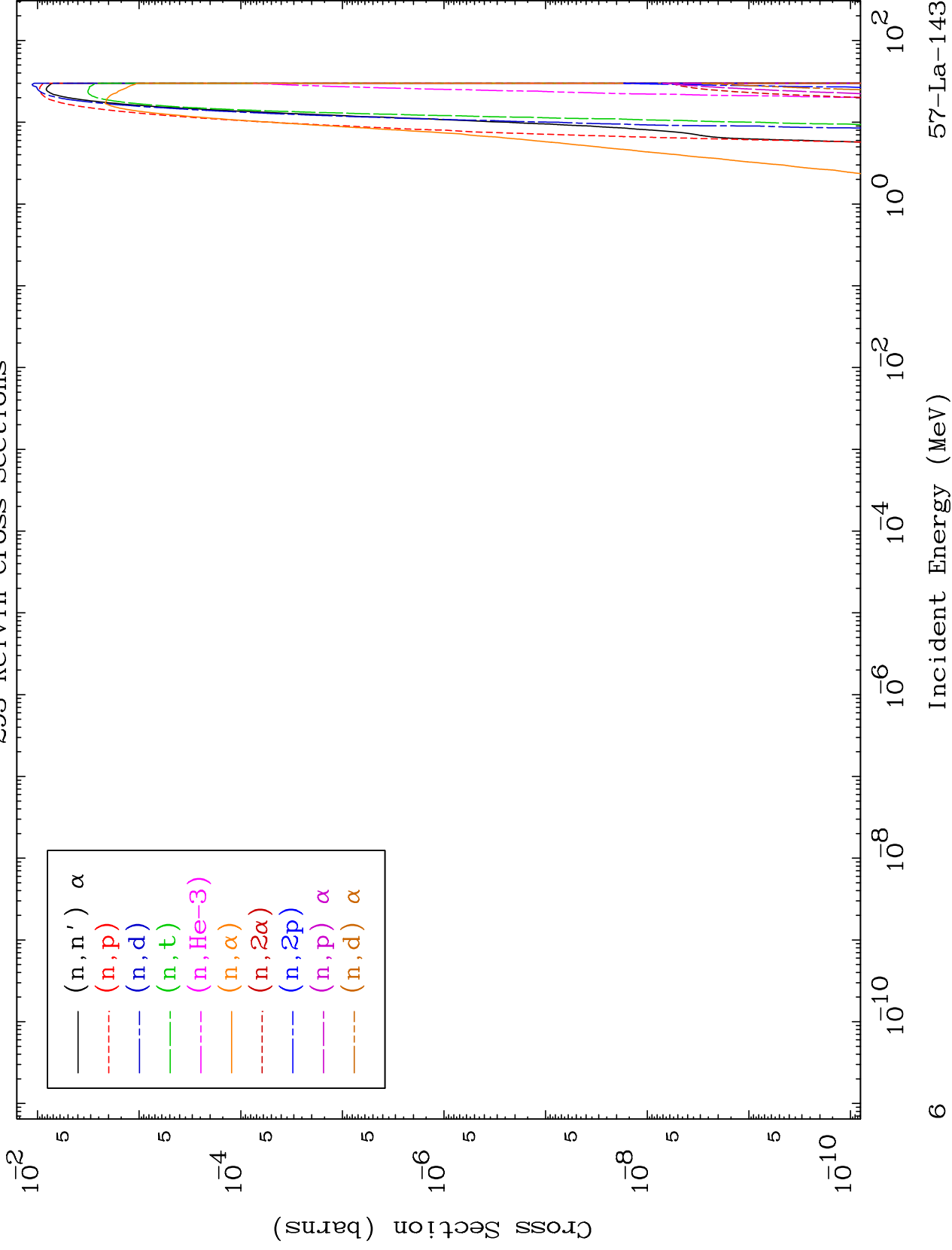
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57-La-143

MAT 5740

Charged Particle  
293 Kelvin Cross Sections

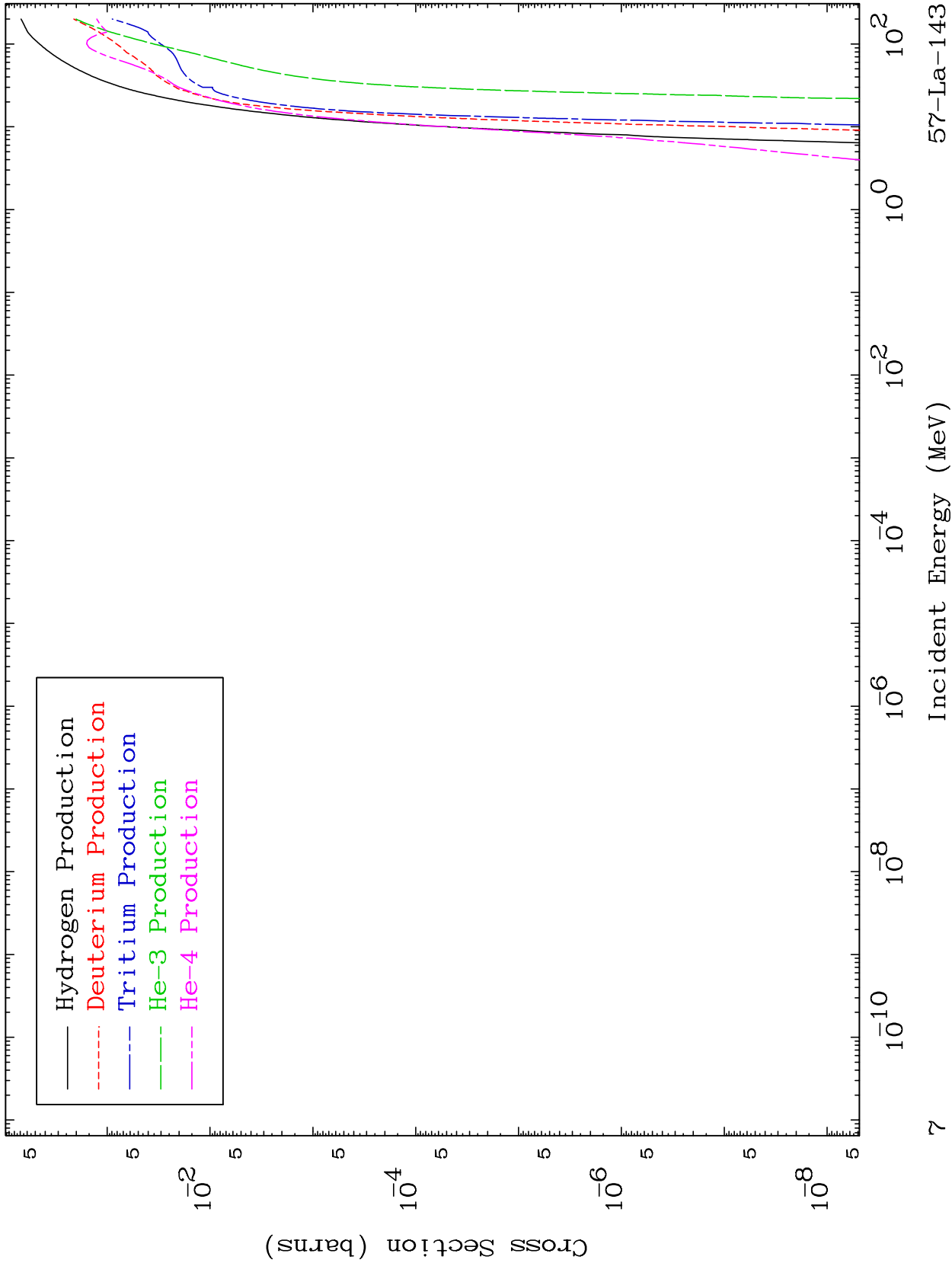
57-La-143



MAT 5740

Particle Production  
293 Kelvin Cross Sections

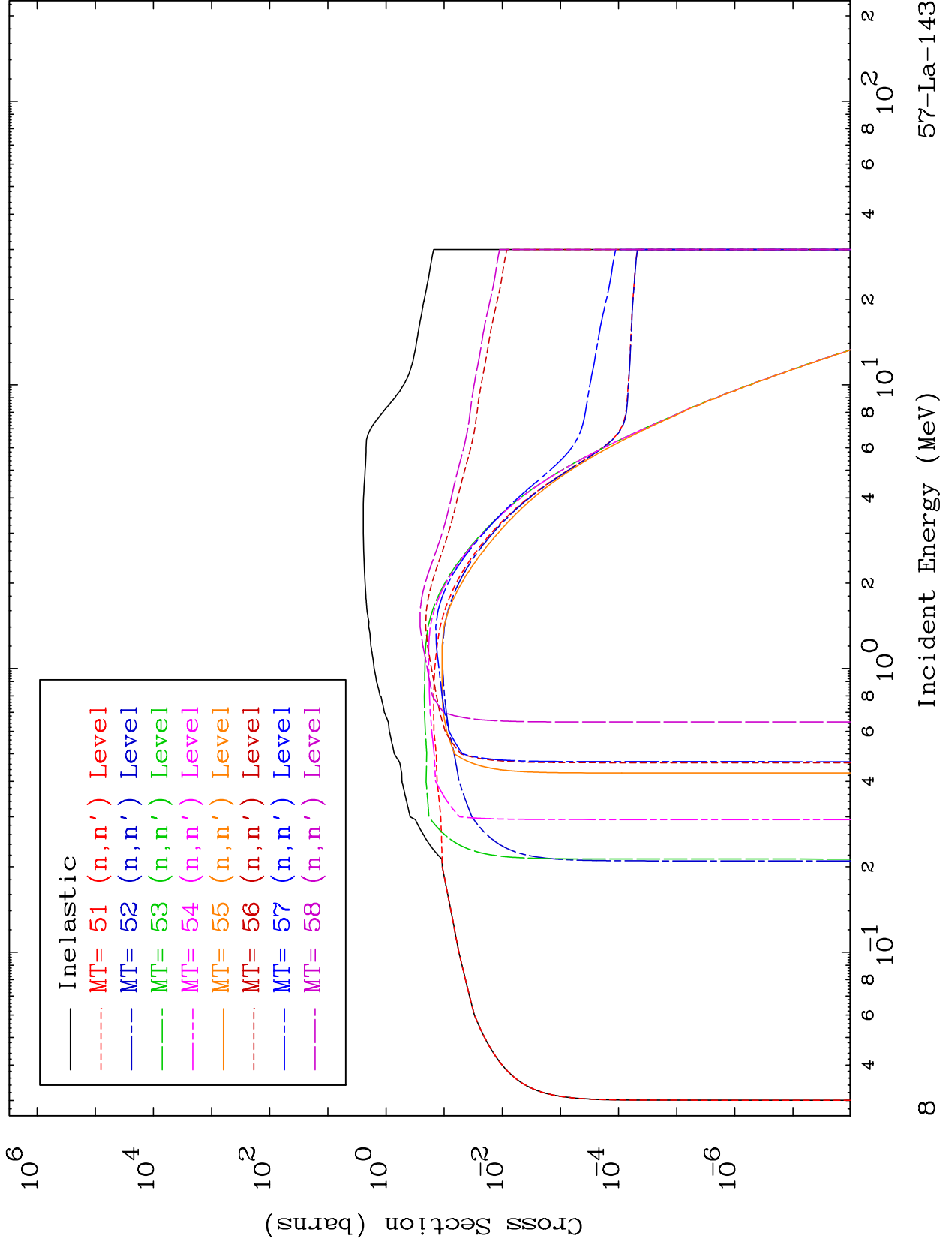
57-La-143



MAT 5740

(n,n') Levels  
293 Kelvin Cross Sections

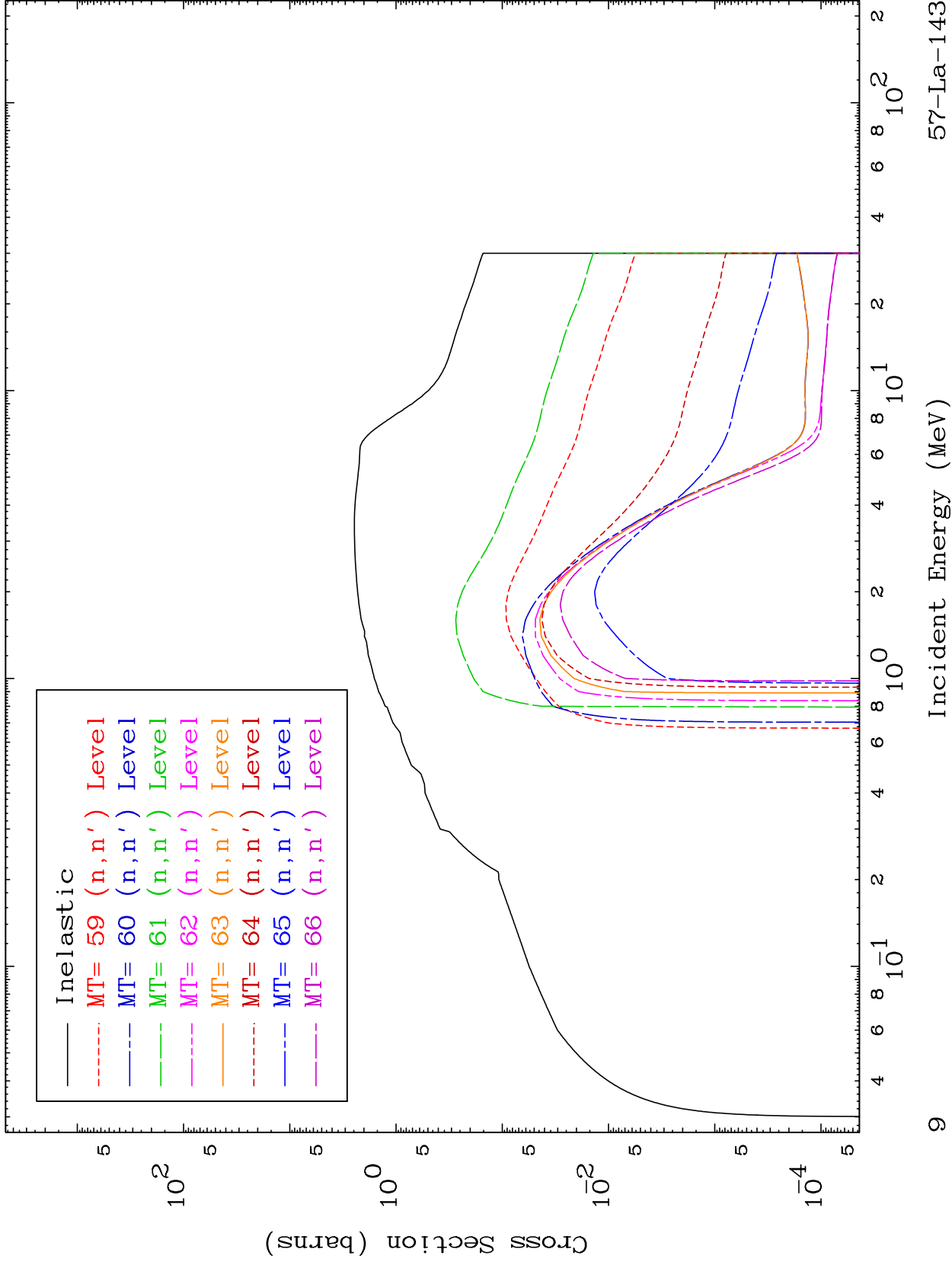
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MAT 5740

(n,n') Levels  
293 Kelvin Cross Sections

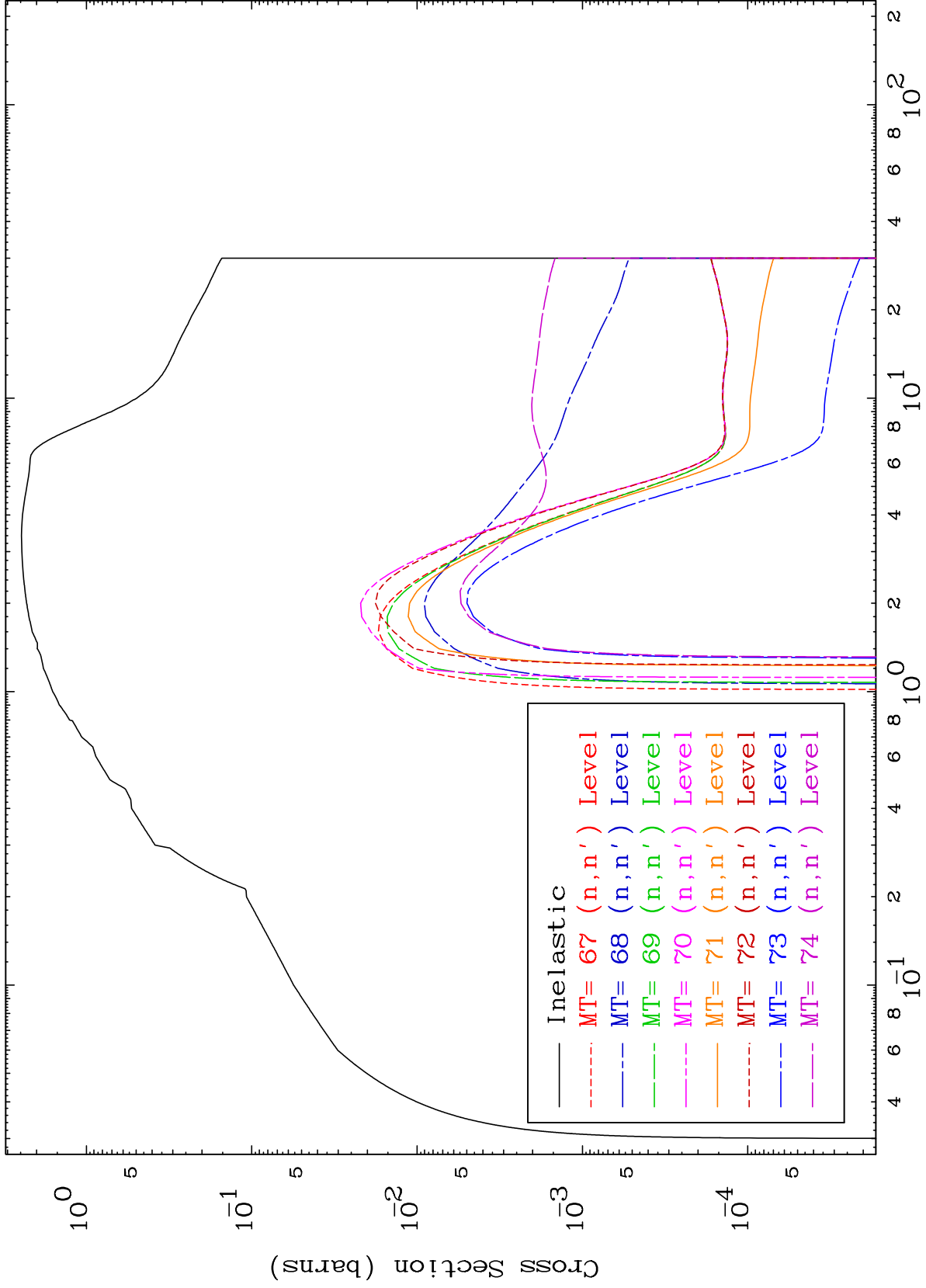
57-La-143



MAT 5740

(n,n') Levels  
293 Kelvin Cross Sections

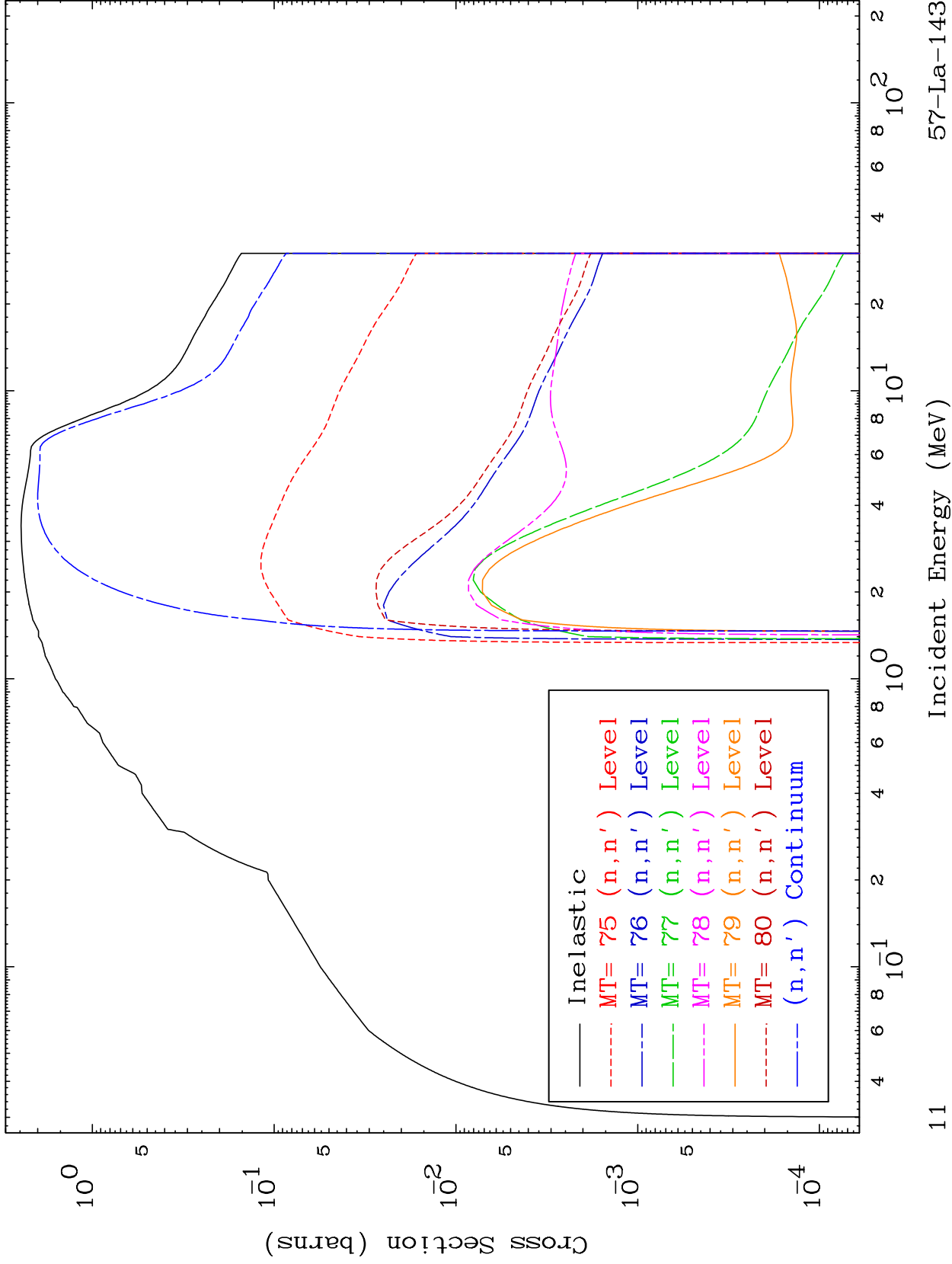
57-La-143



10

Incident Energy (MeV)

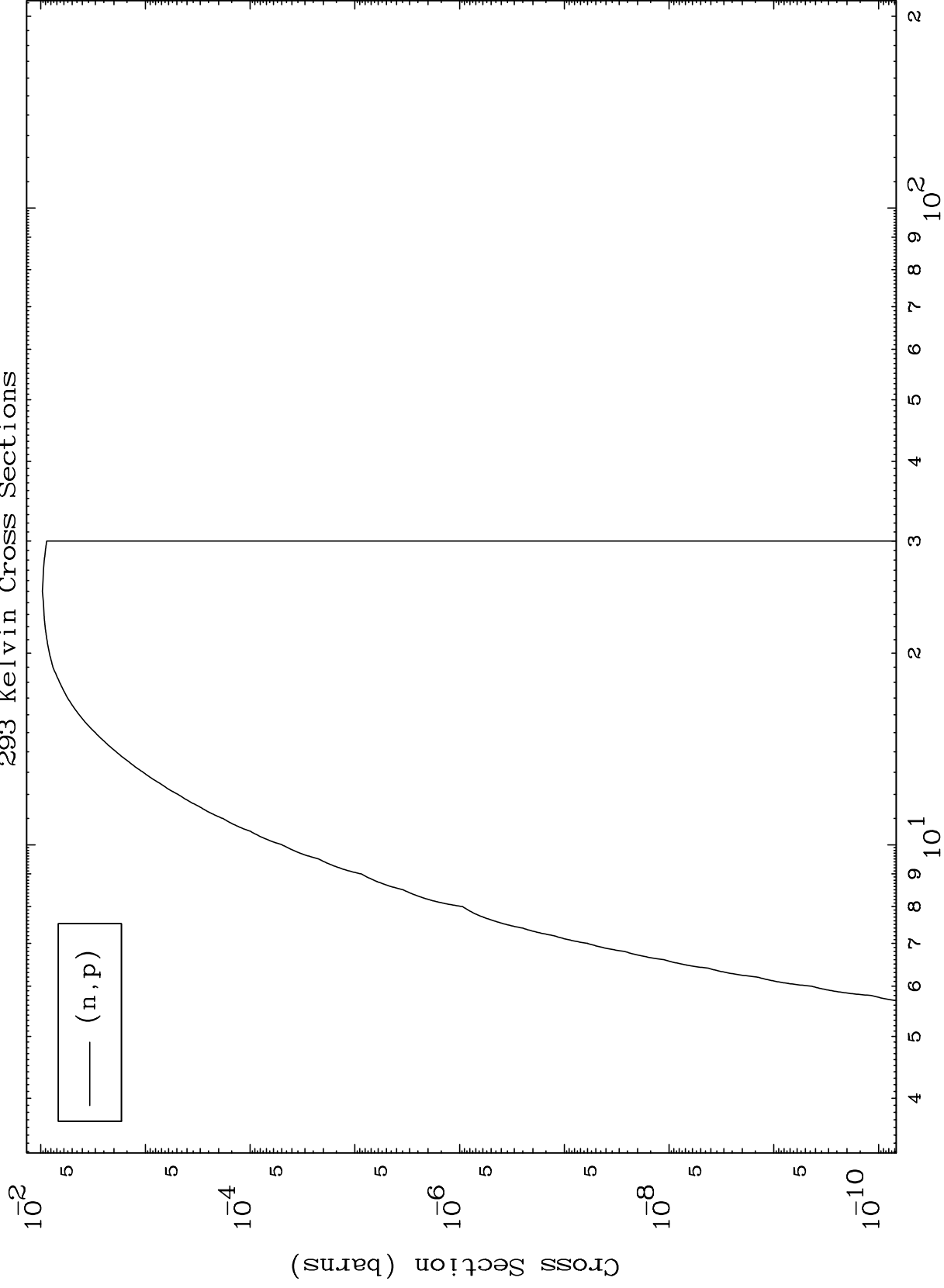
57-La-143



MAT 5740

(n,p) Levels  
293 Kelvin Cross Sections

57-La-143



12

Incident Energy (MeV)

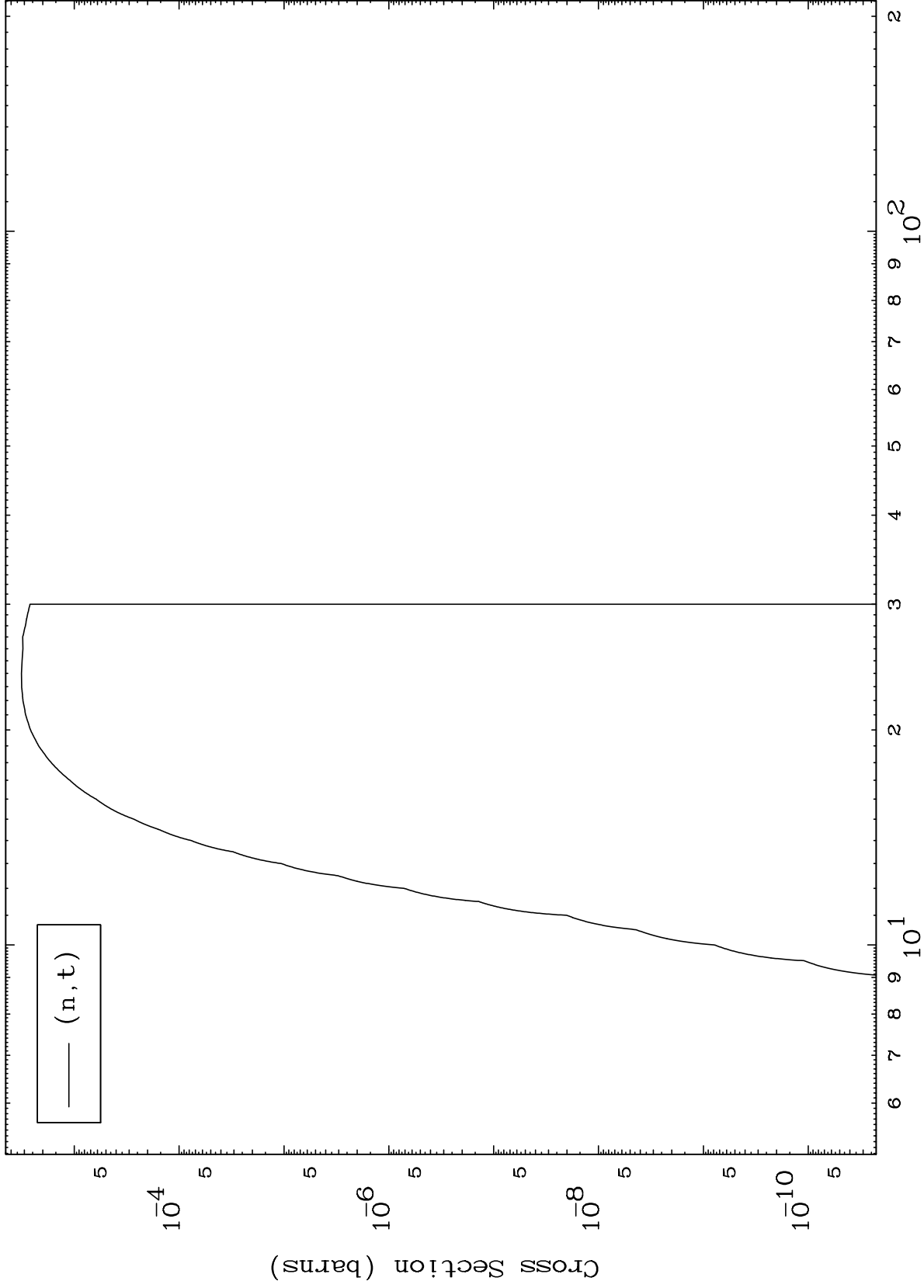
57-La-143



MAT 5740

(n,t) Levels  
293 Kelvin Cross Sections

57-La-143



14

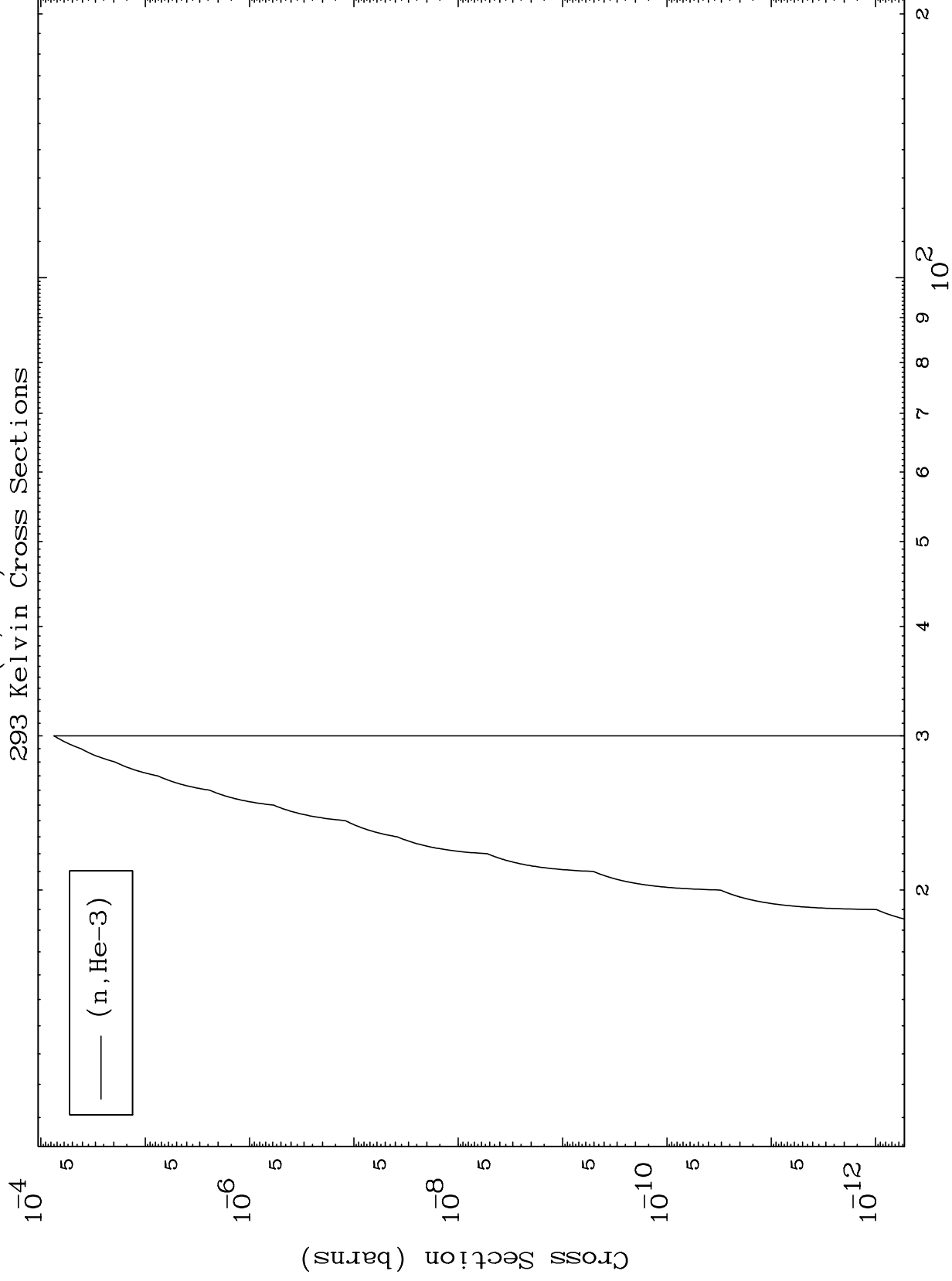
Incident Energy (MeV)

57-La-143

MAT 5740

(n,He3) Levels  
293 Kelvin Cross Sections

57-La-143



15

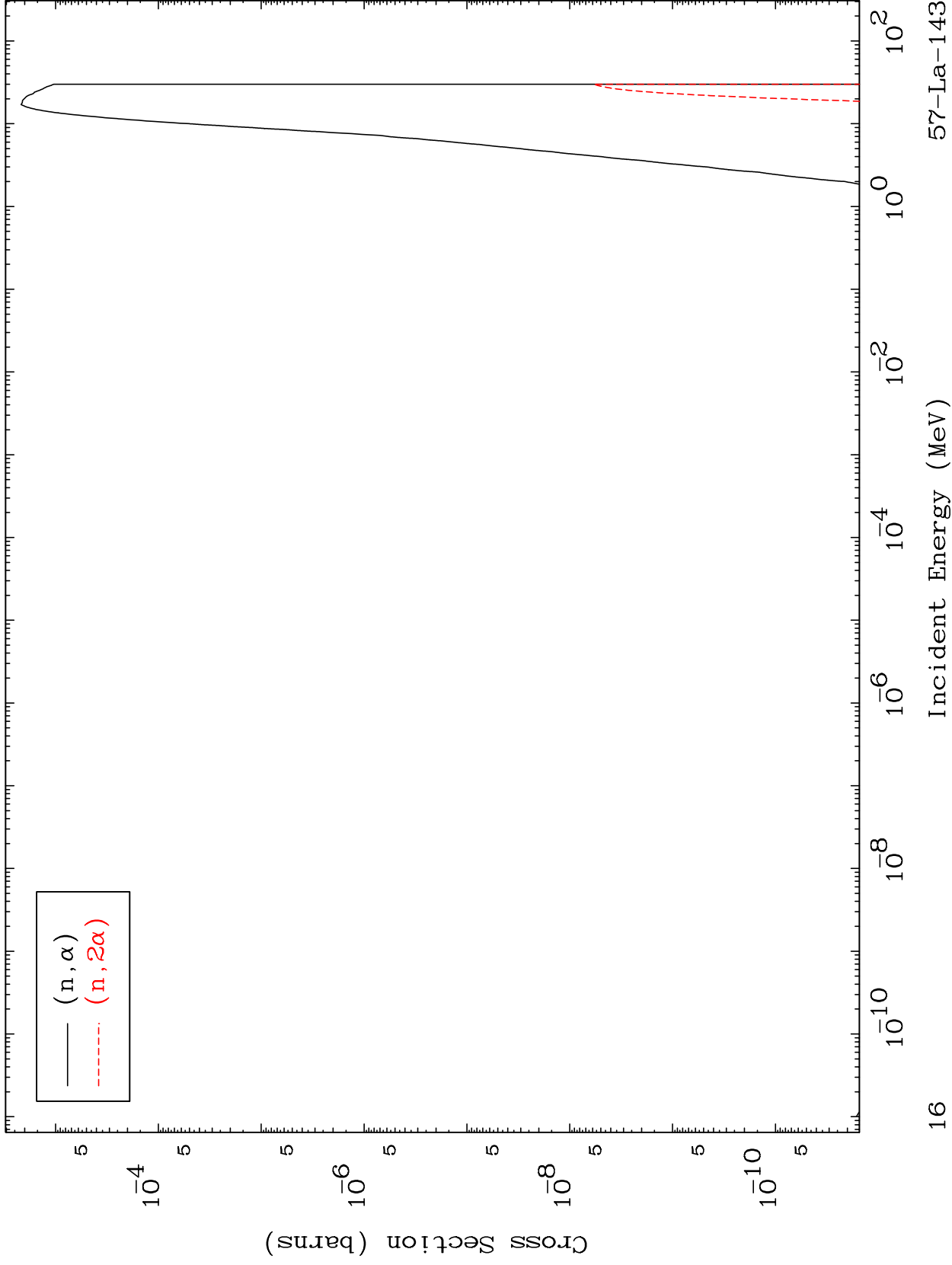
Incident Energy (MeV)

57-La-143

MAT 5740

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

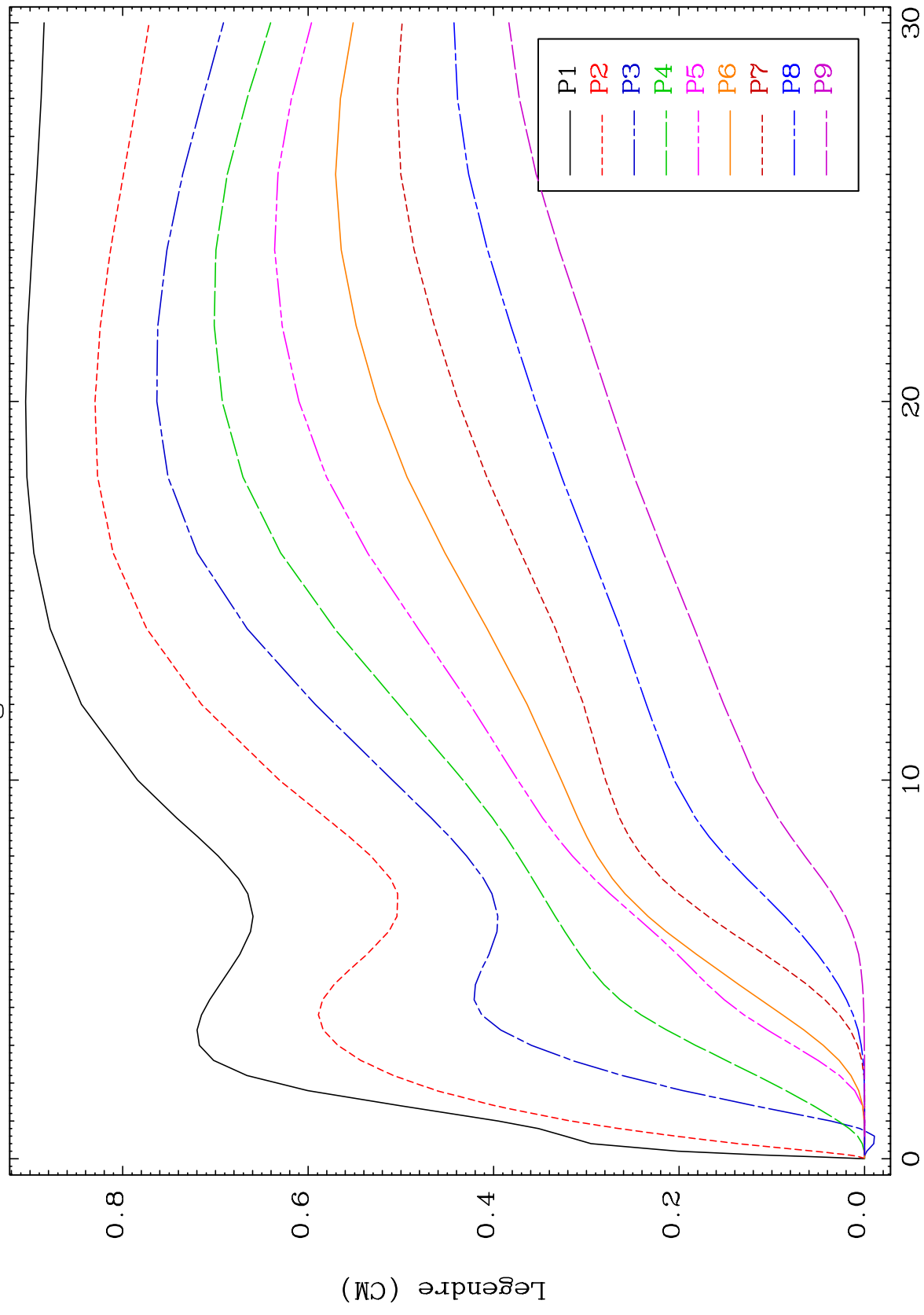
57-La-143



MAT 5740

Elastic Legendre Coefficients

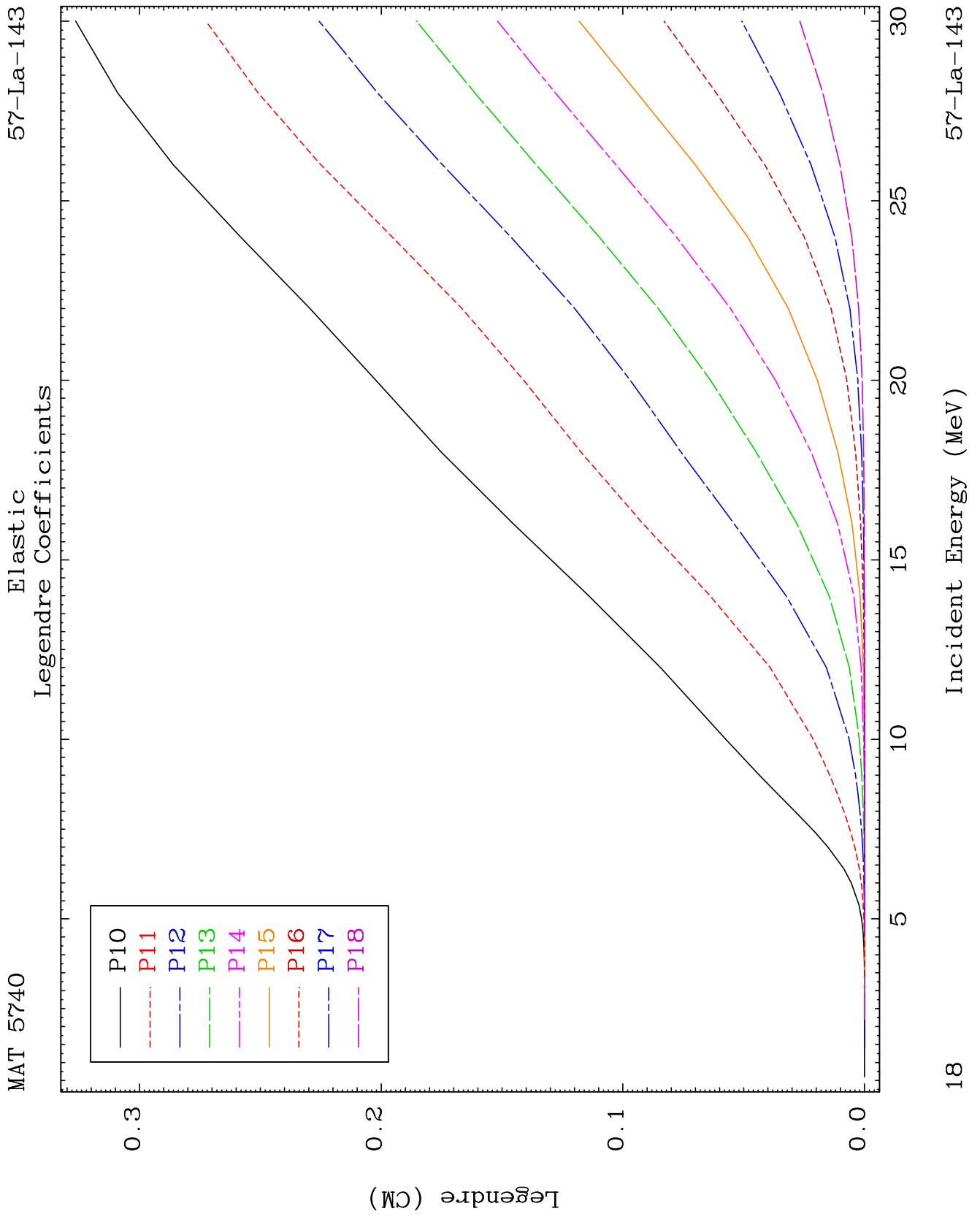
57-La-143



57-La-143

Incident Energy (MeV)

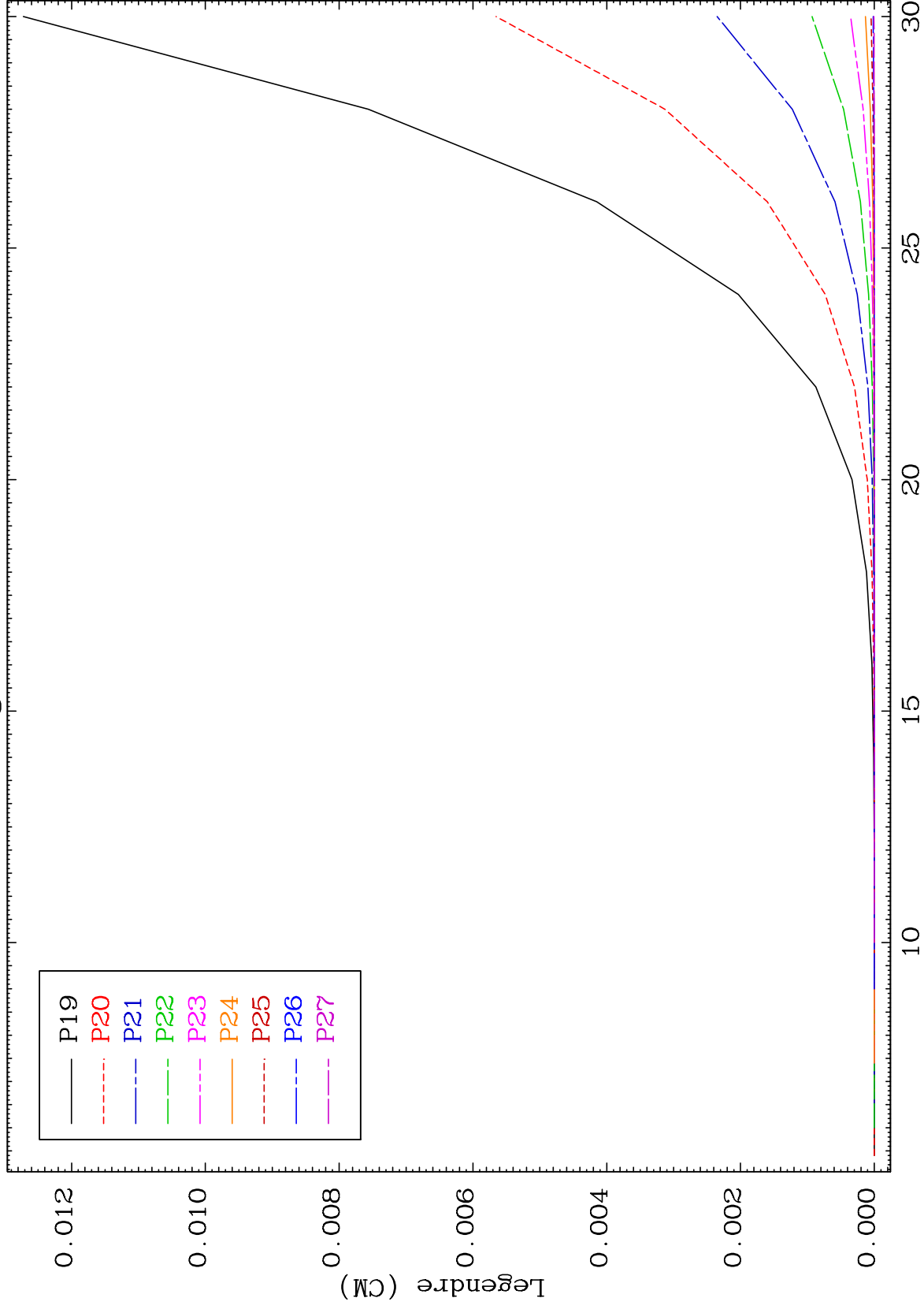
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MAT 5740

### Elastic Legendre Coefficients

57-La-143



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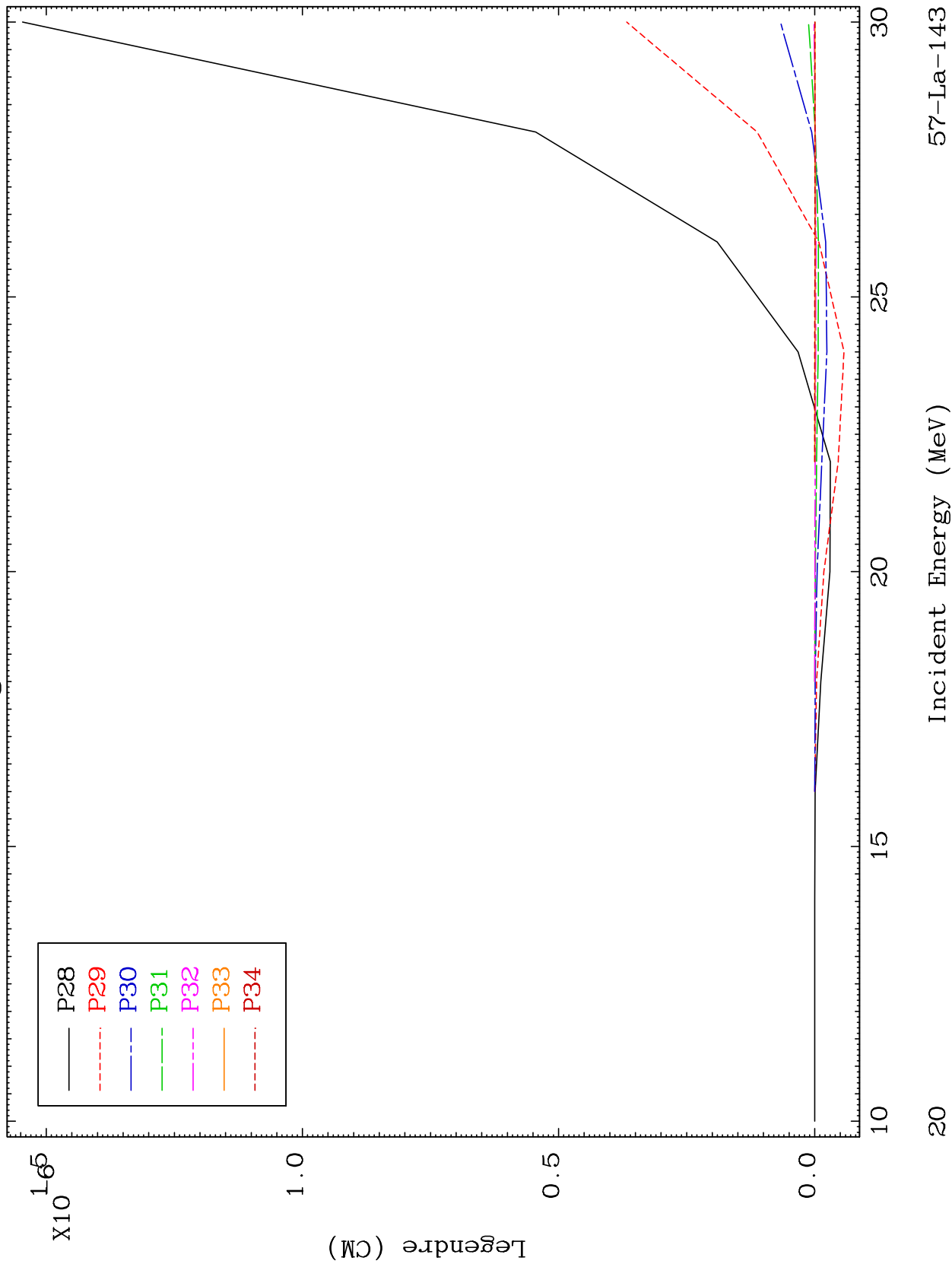
Incident Energy (MeV)

57-La-143

MAT 5740

Elastic Legendre Coefficients

57-La-143



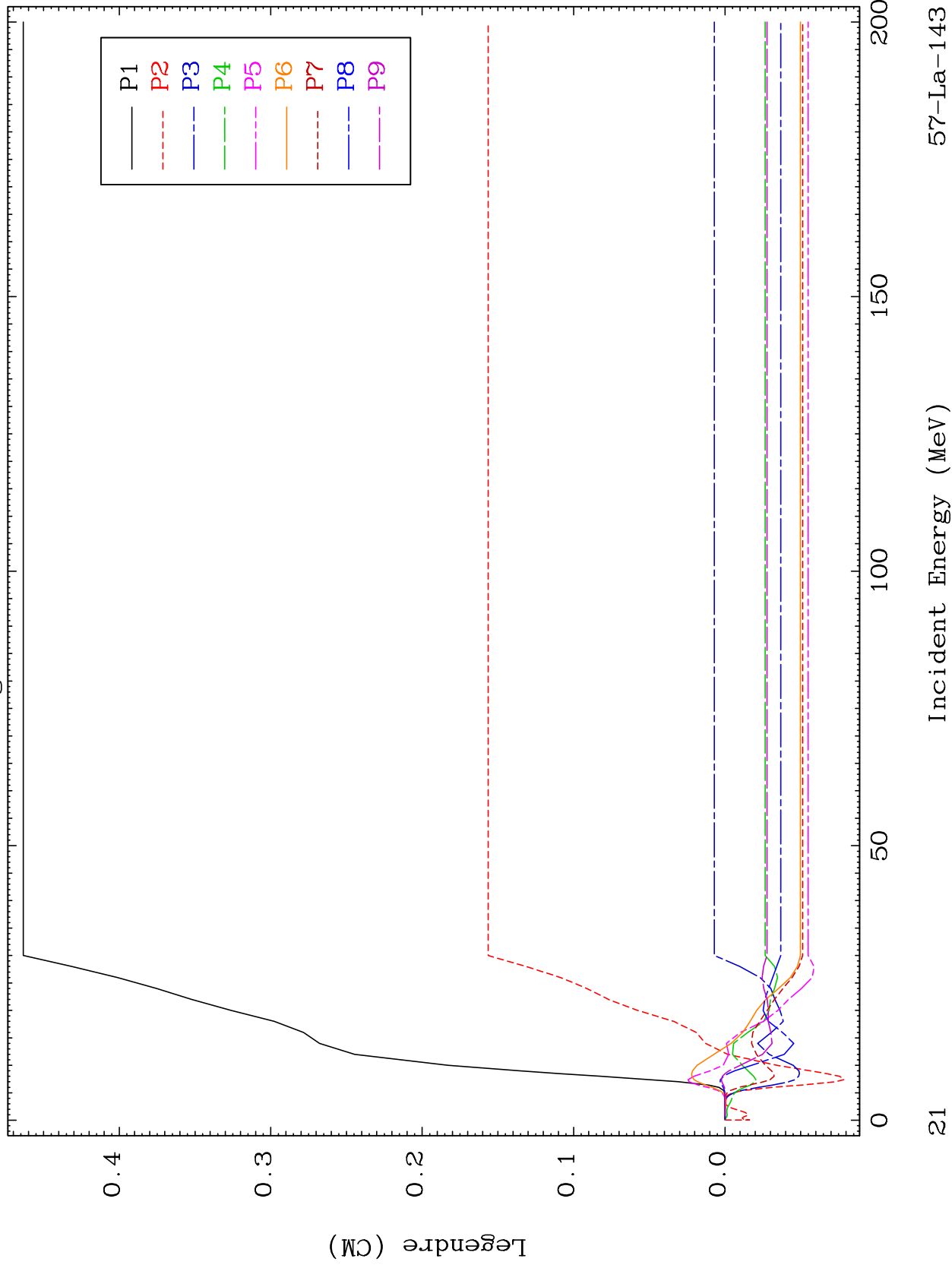
57-La-143

Incident Energy (MeV)

MAT 5740

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

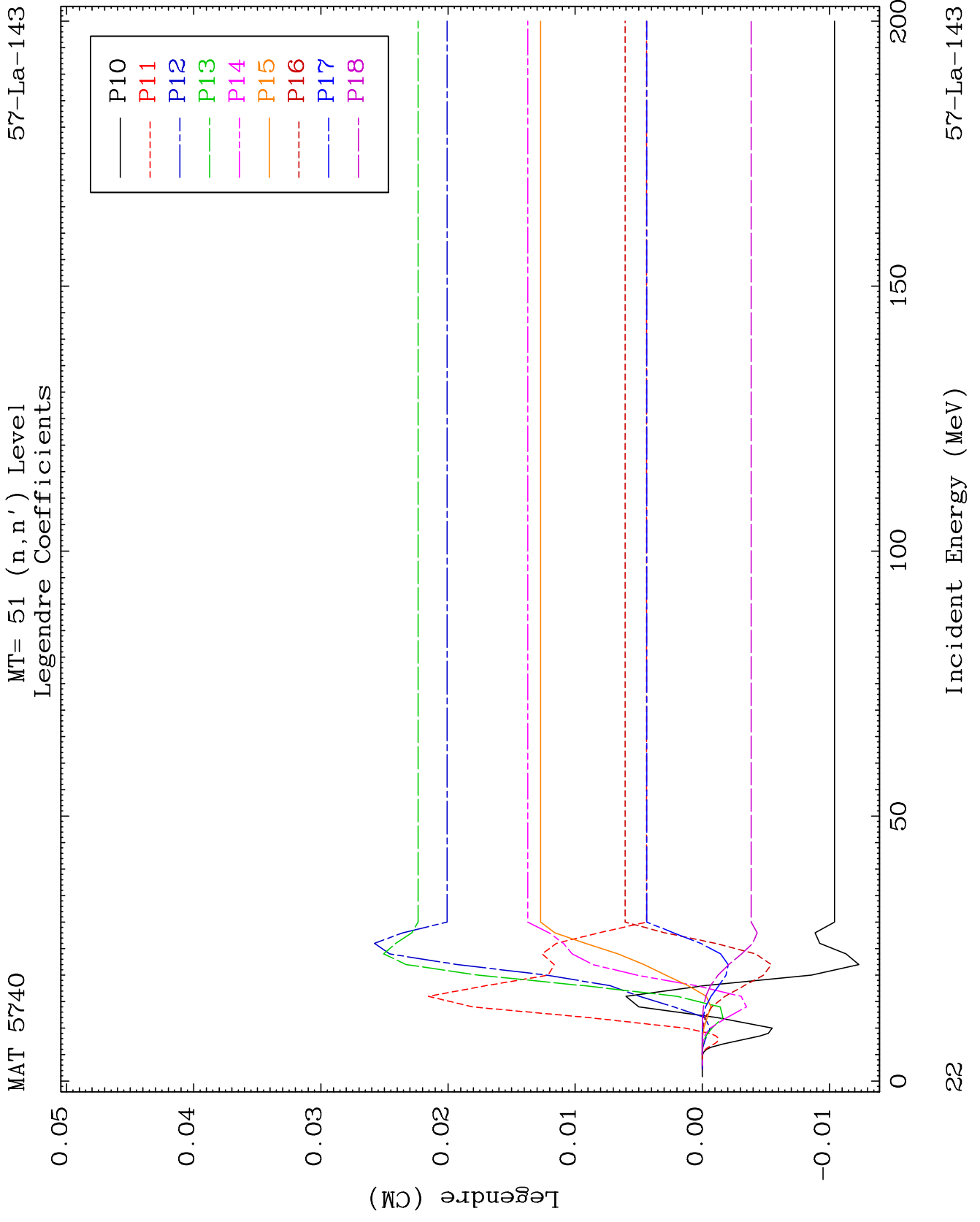
57-La-143



57-La-143

Incident Energy (MeV)

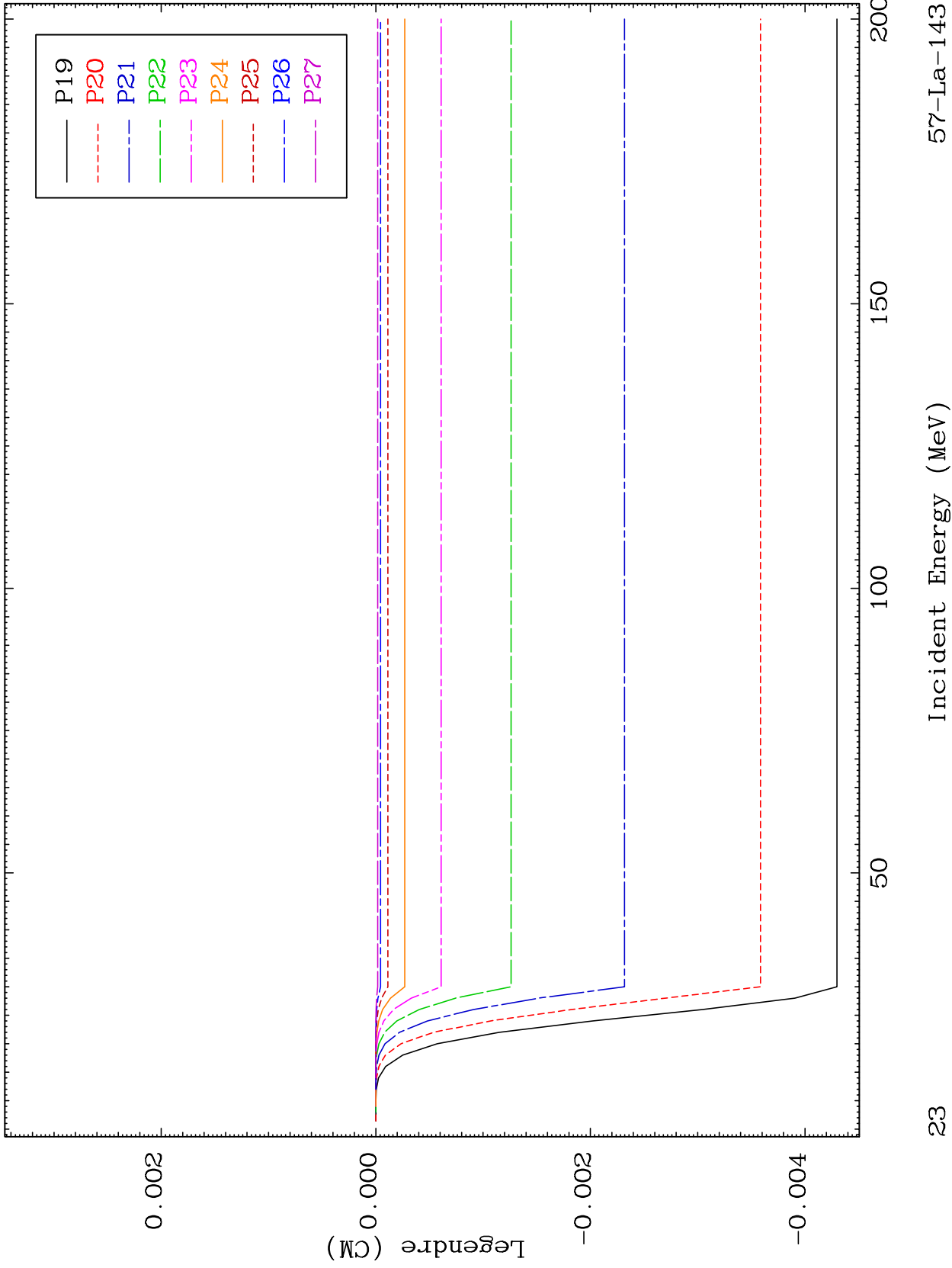
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MAT 5740

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

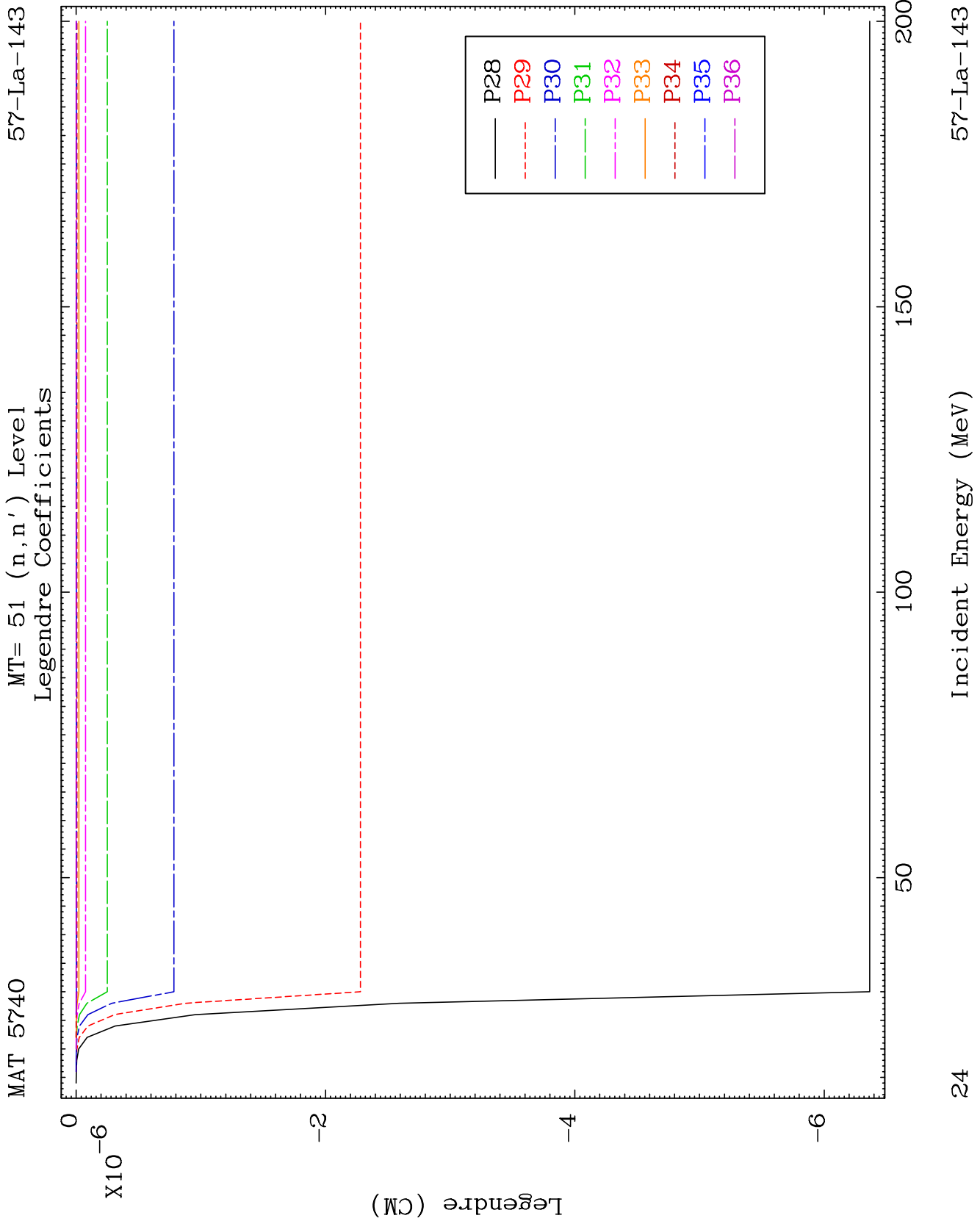
57-La-143



23

Incident Energy (MeV)

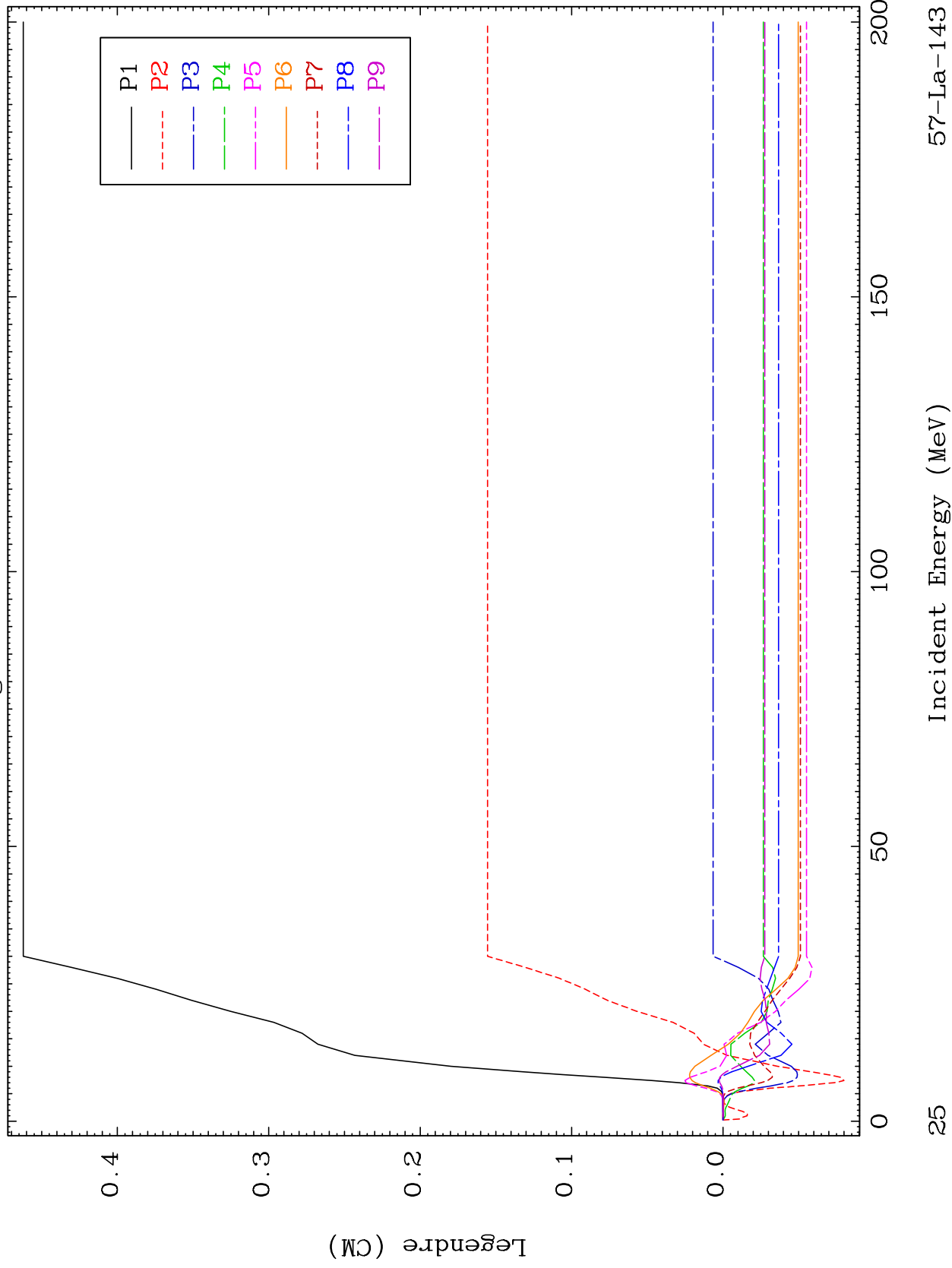
57-La-143



MAT 5740

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

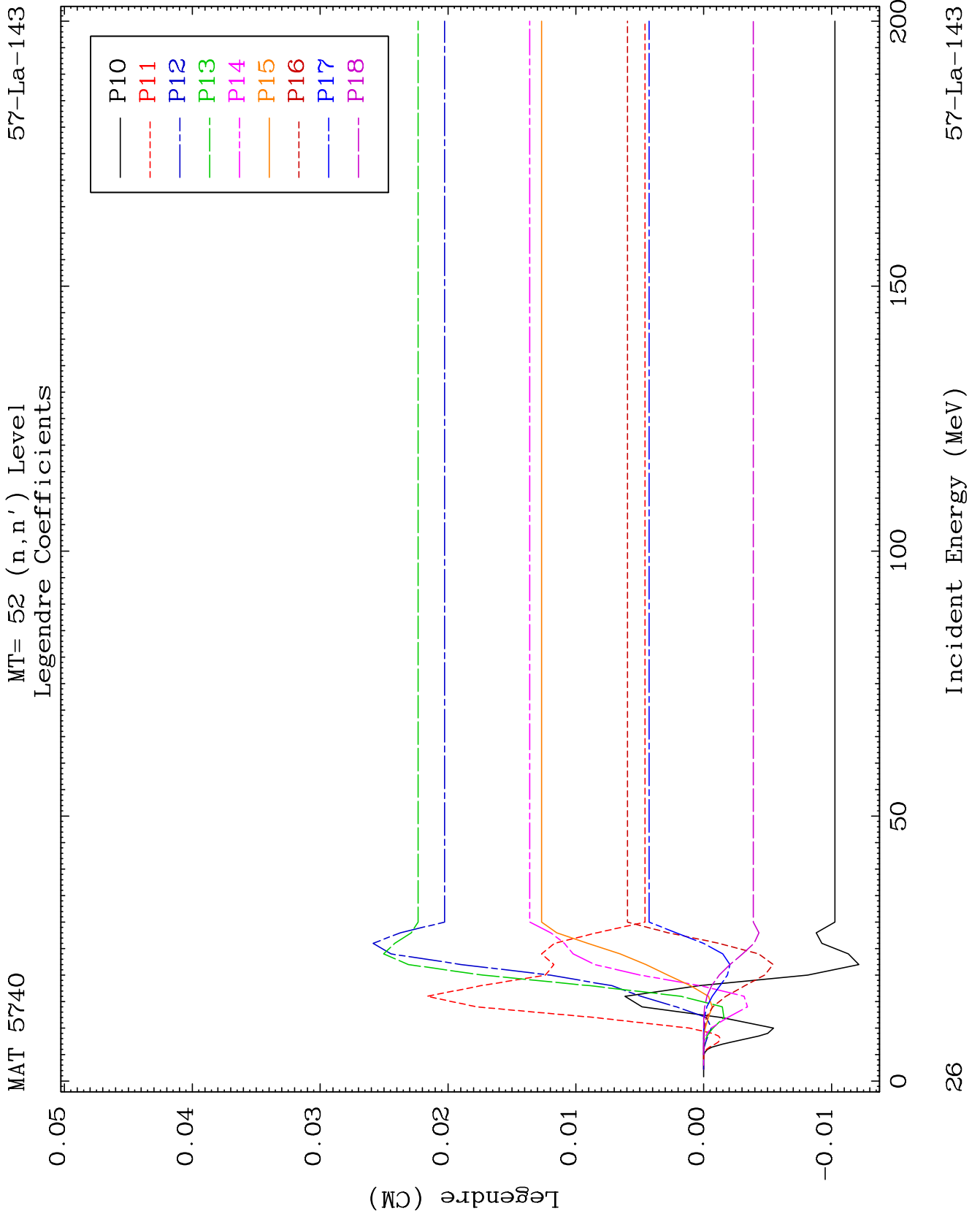
57-La-143



57-La-143

Incident Energy (MeV)

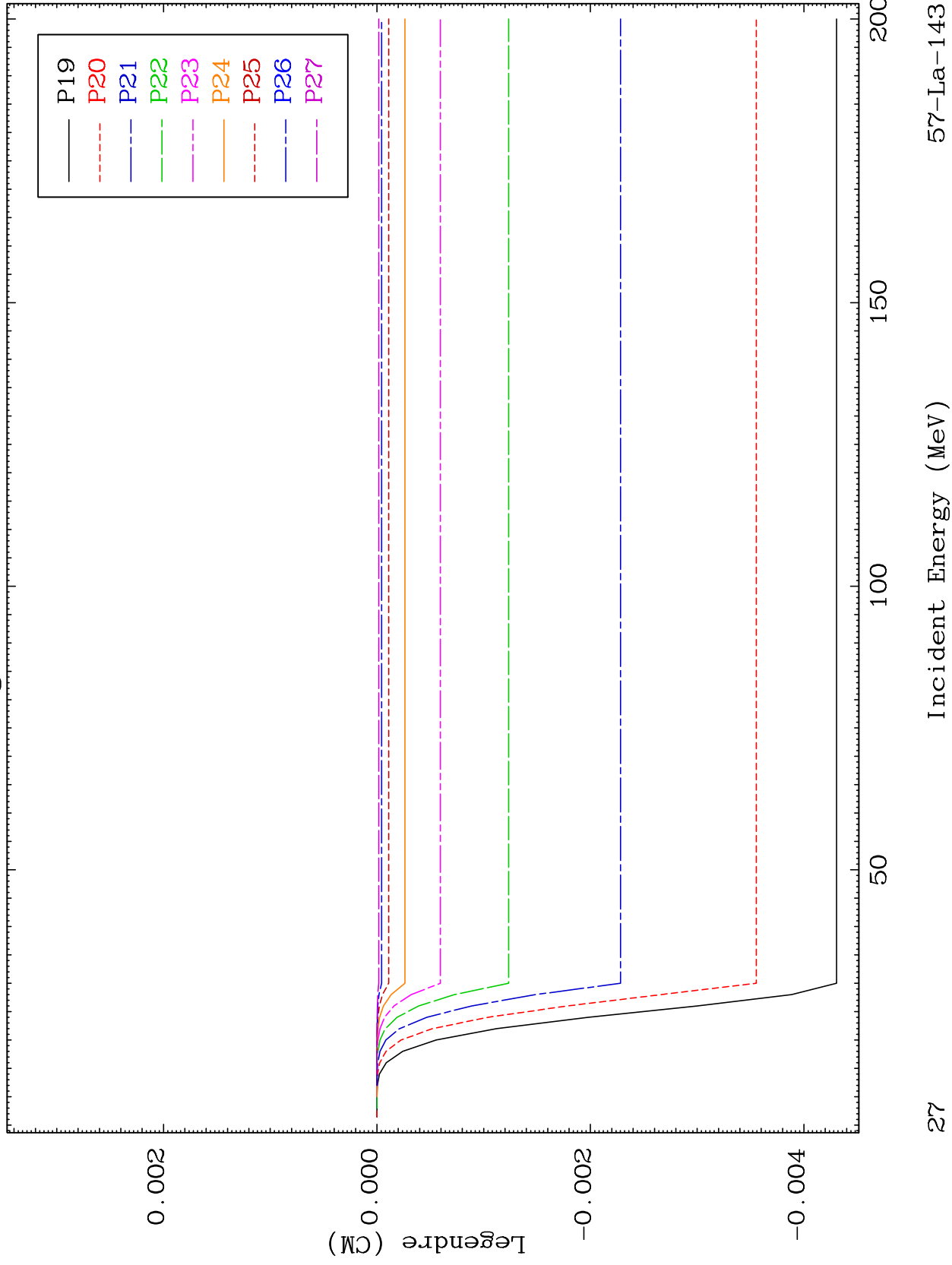
25



MAT 5740

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

57-La-143



27

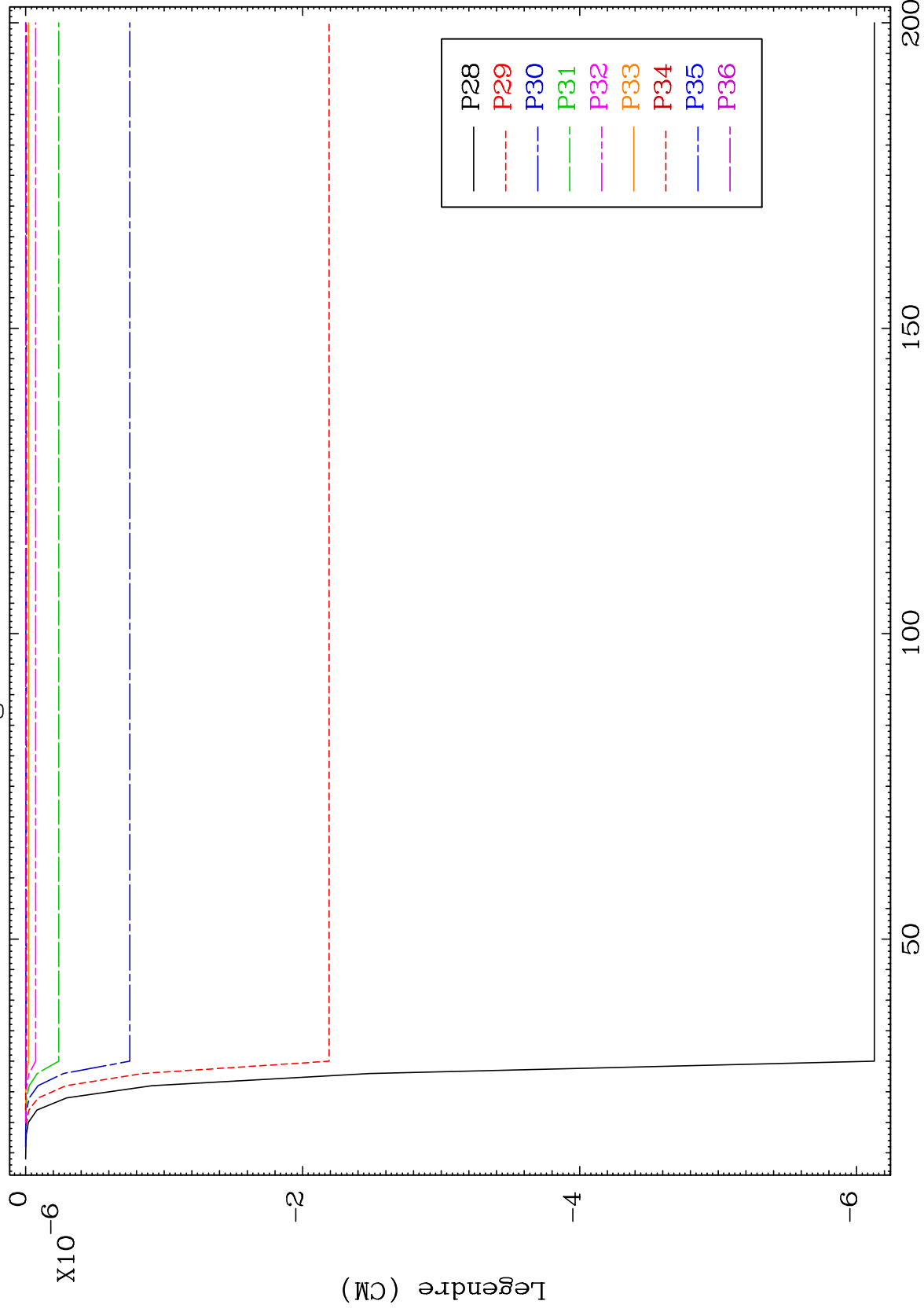
Incident Energy (MeV)

57-La-143

MAT 5740

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

57-La-143



28

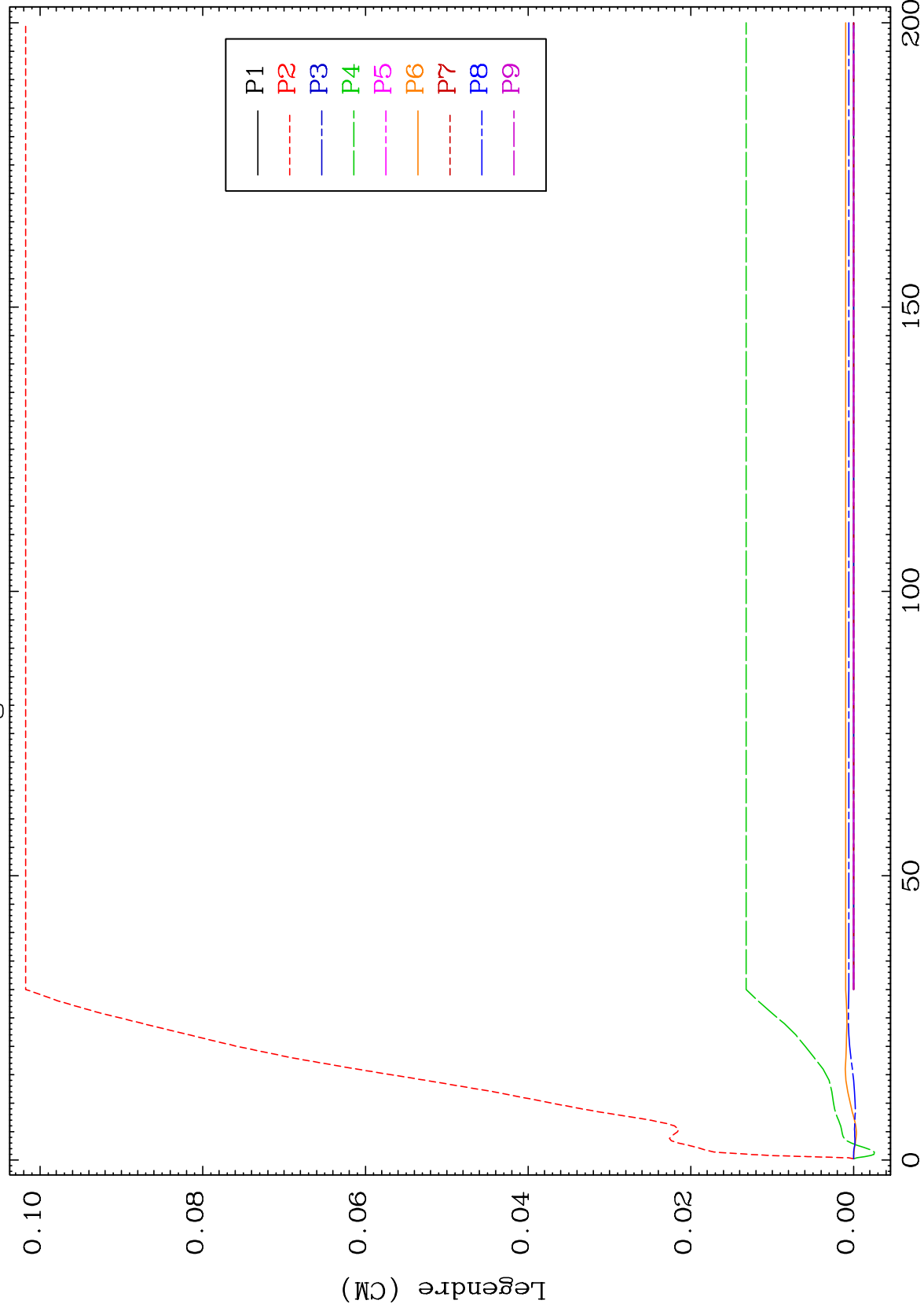
Incident Energy (MeV)

57-La-143

MAT 5740

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

57-La-143



57-La-143

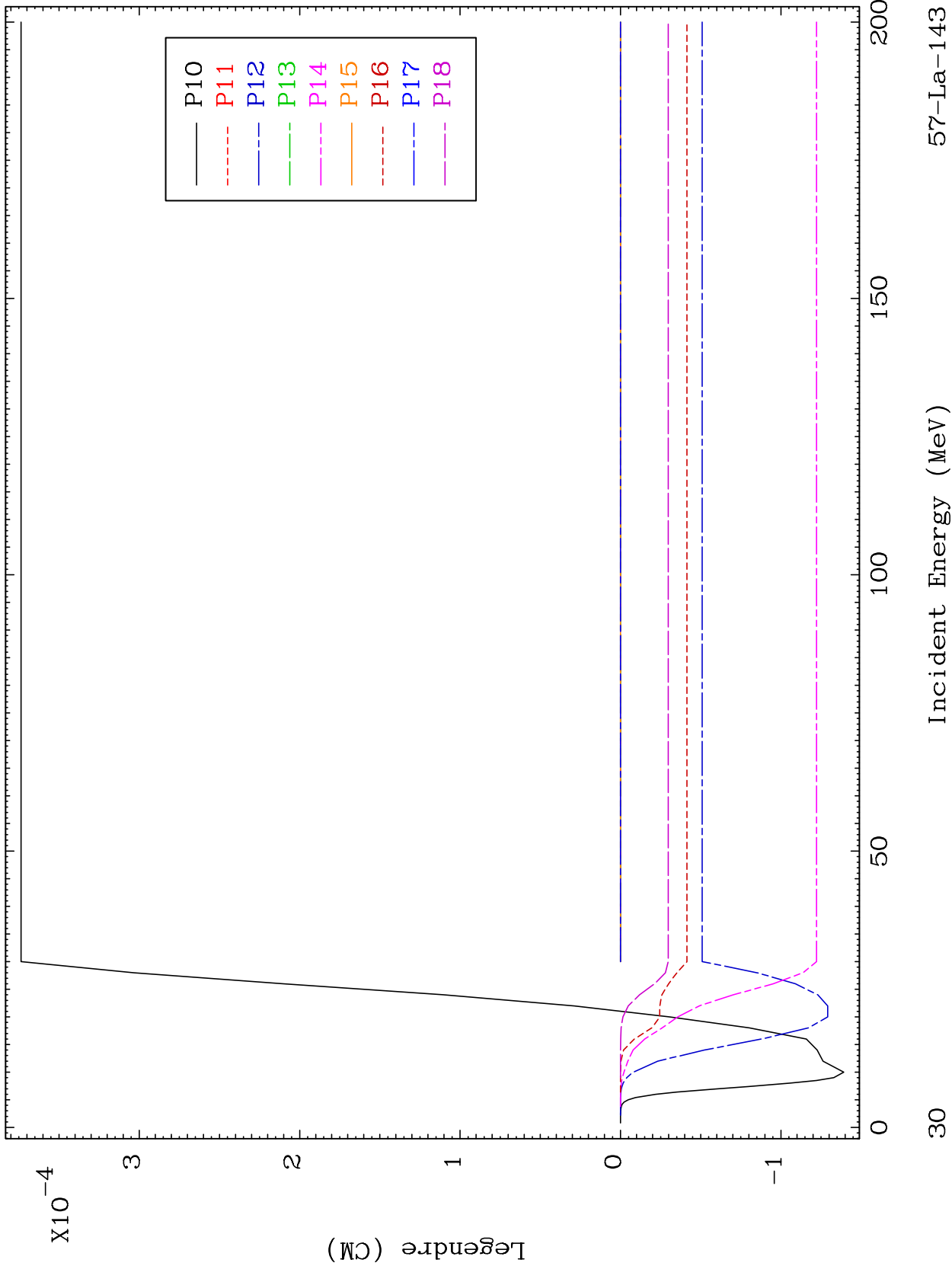
Incident Energy (MeV)

29

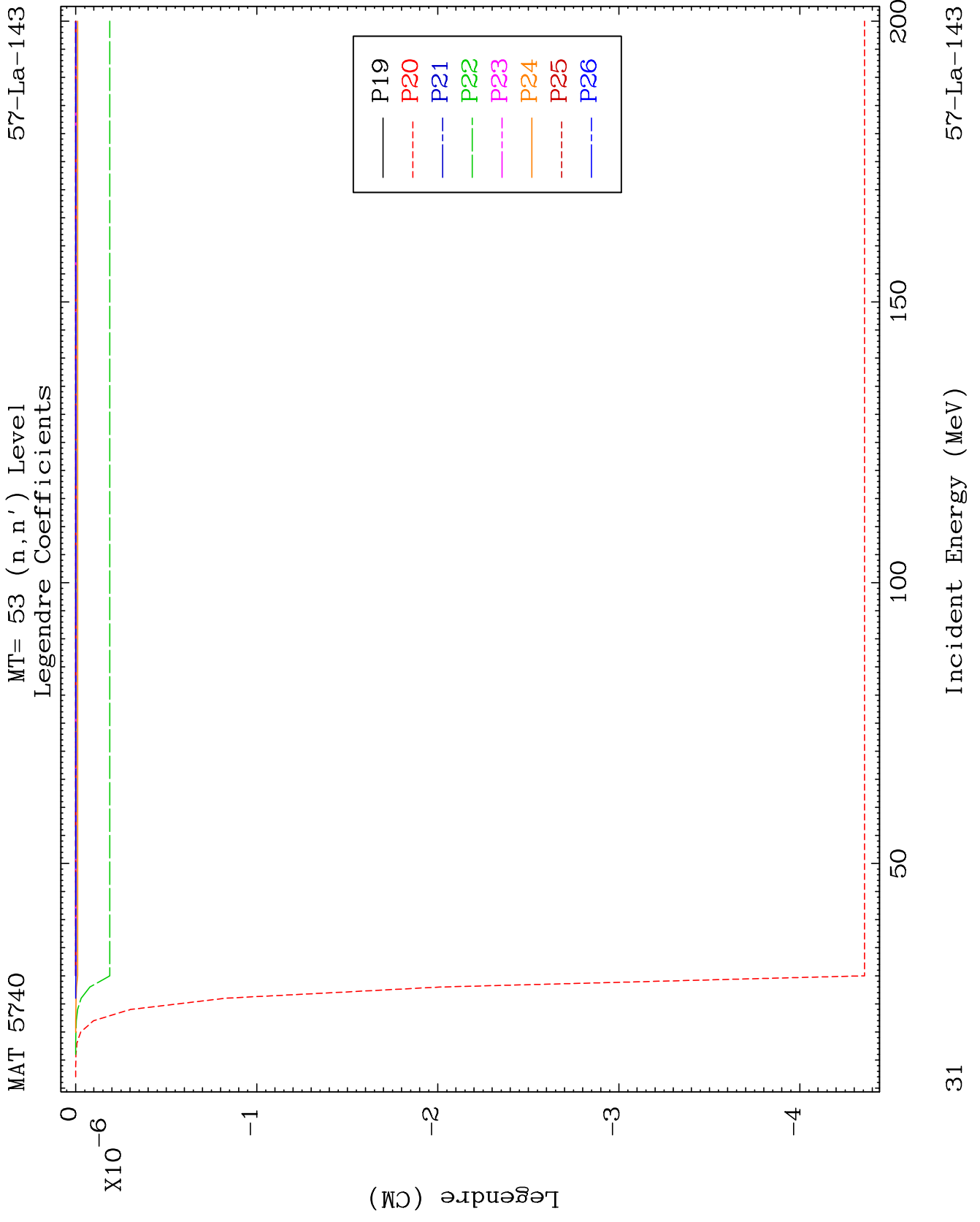
MAT 5740

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

57-La-143



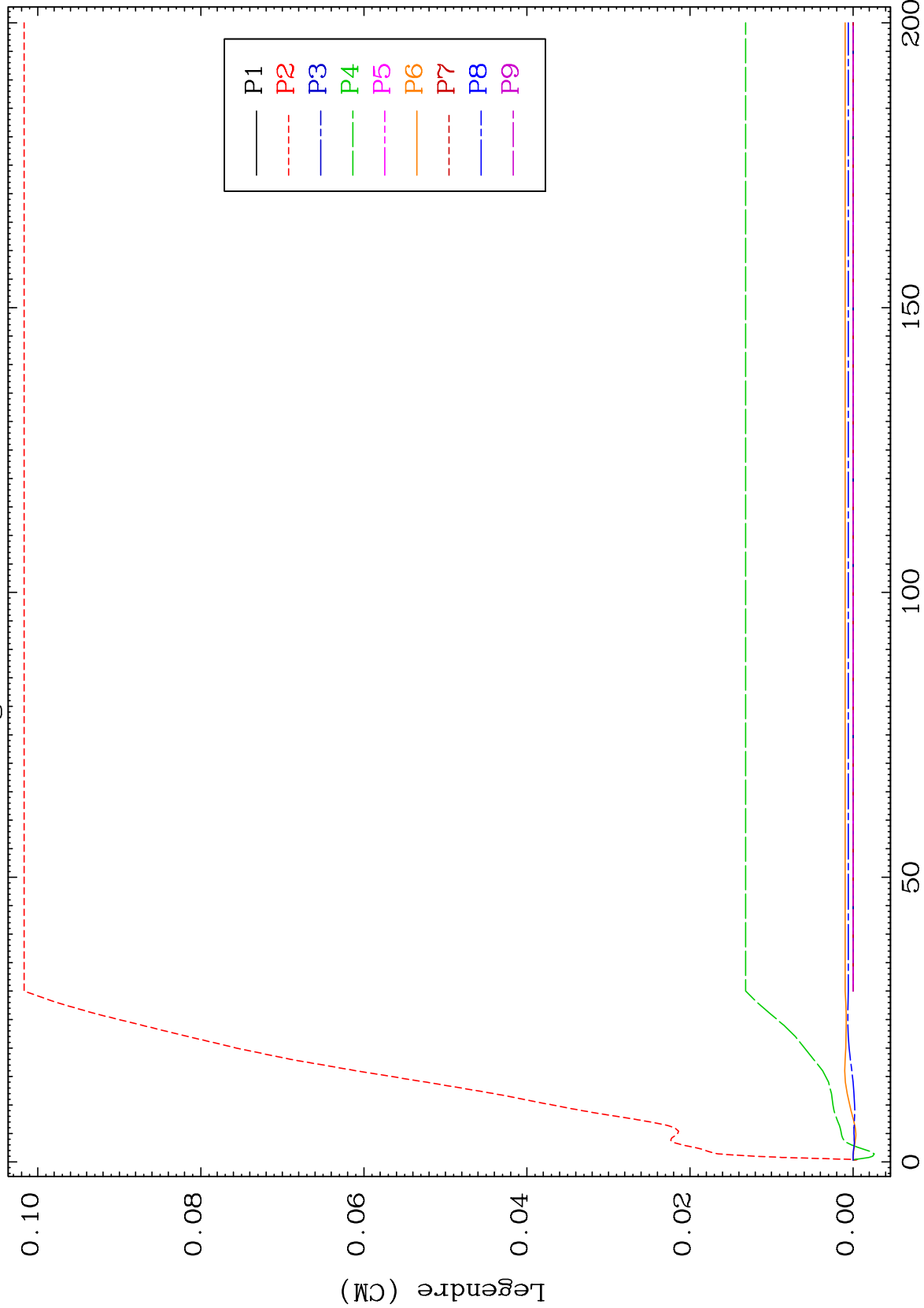
57-La-143



MAT 5740

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

57-La-143



57-La-143

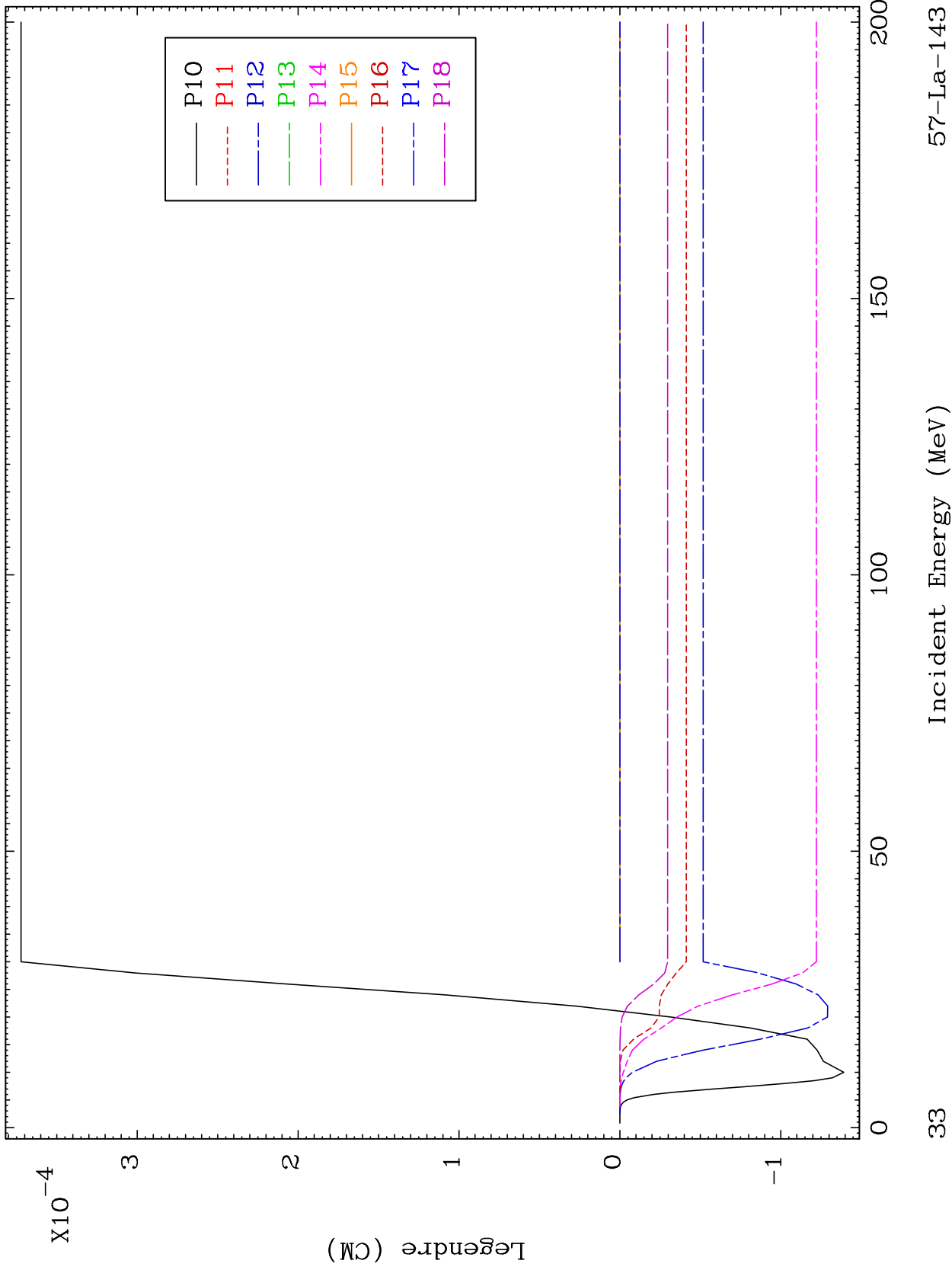
Incident Energy (MeV)

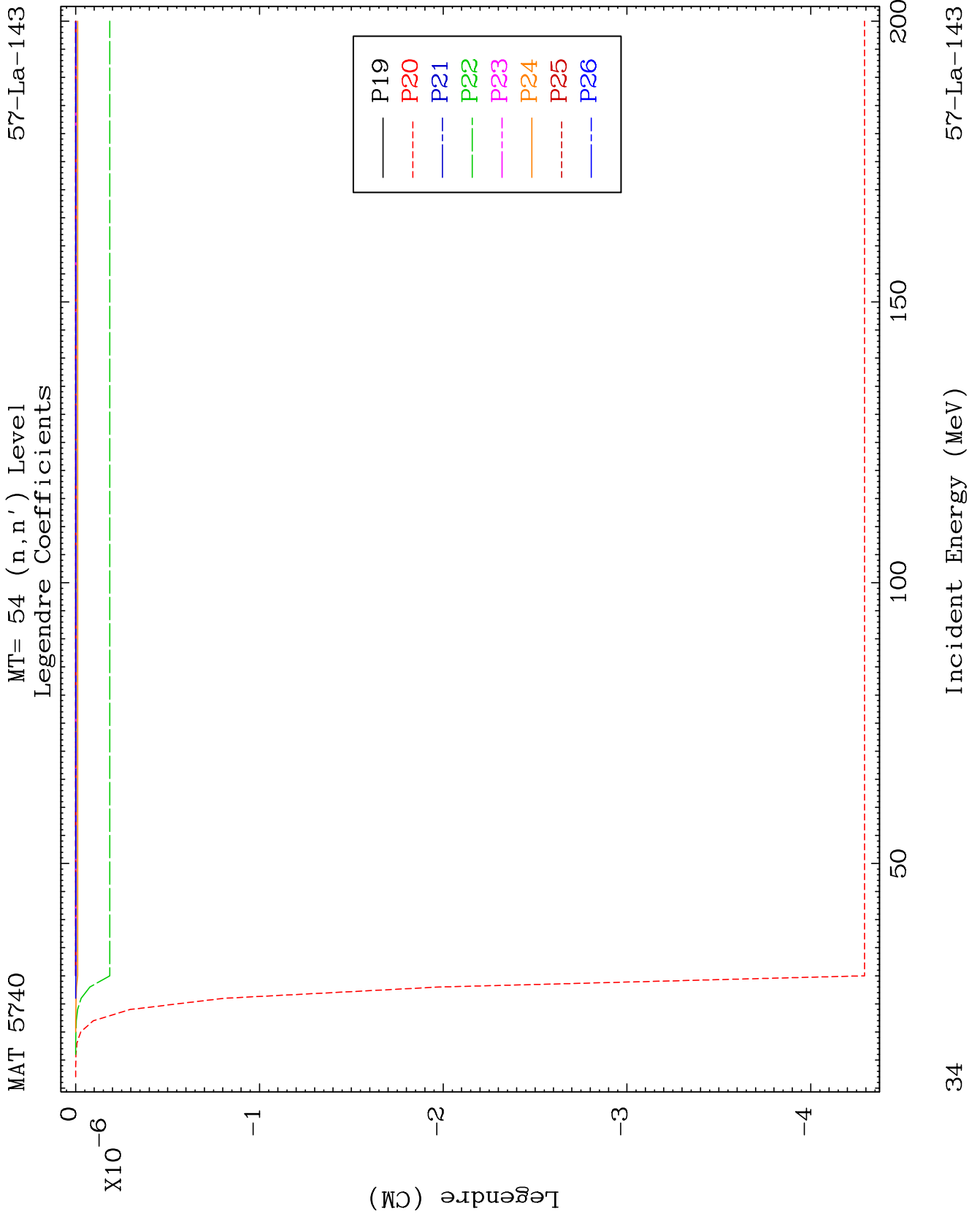
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MAT 5740

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

57-La-143



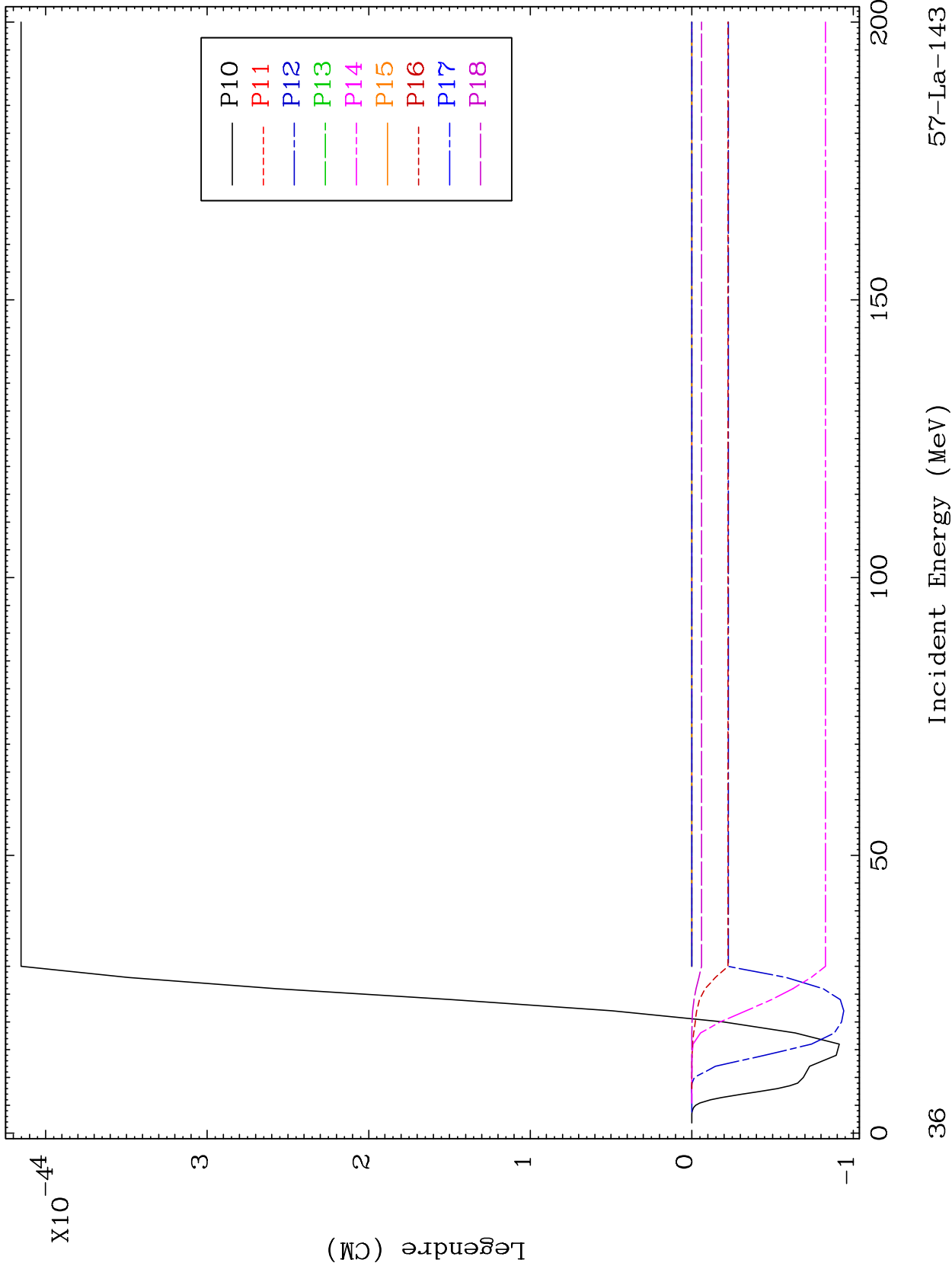




MAT 5740

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Legendre Coefficients

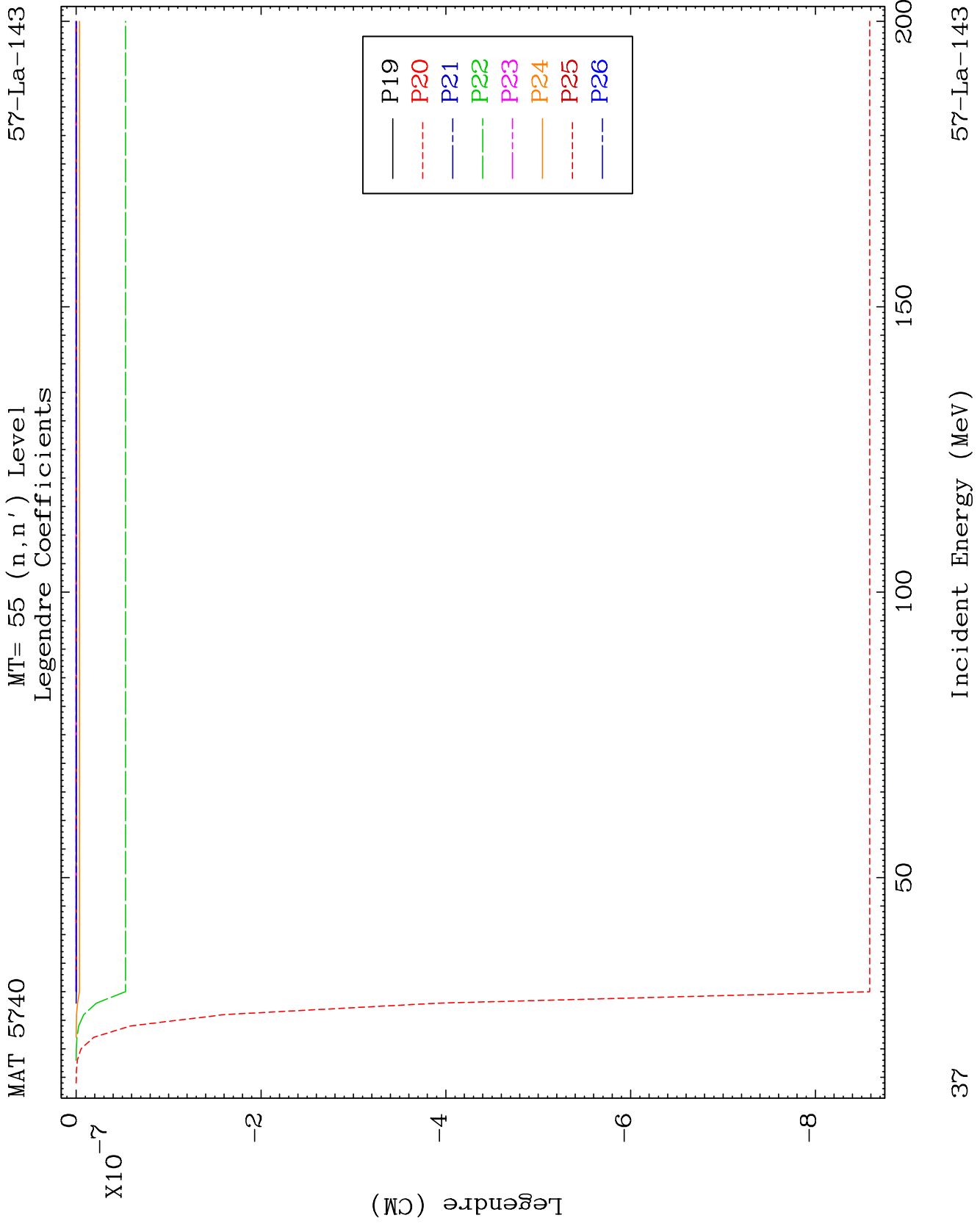
57-La-143



36

Incident Energy (MeV)

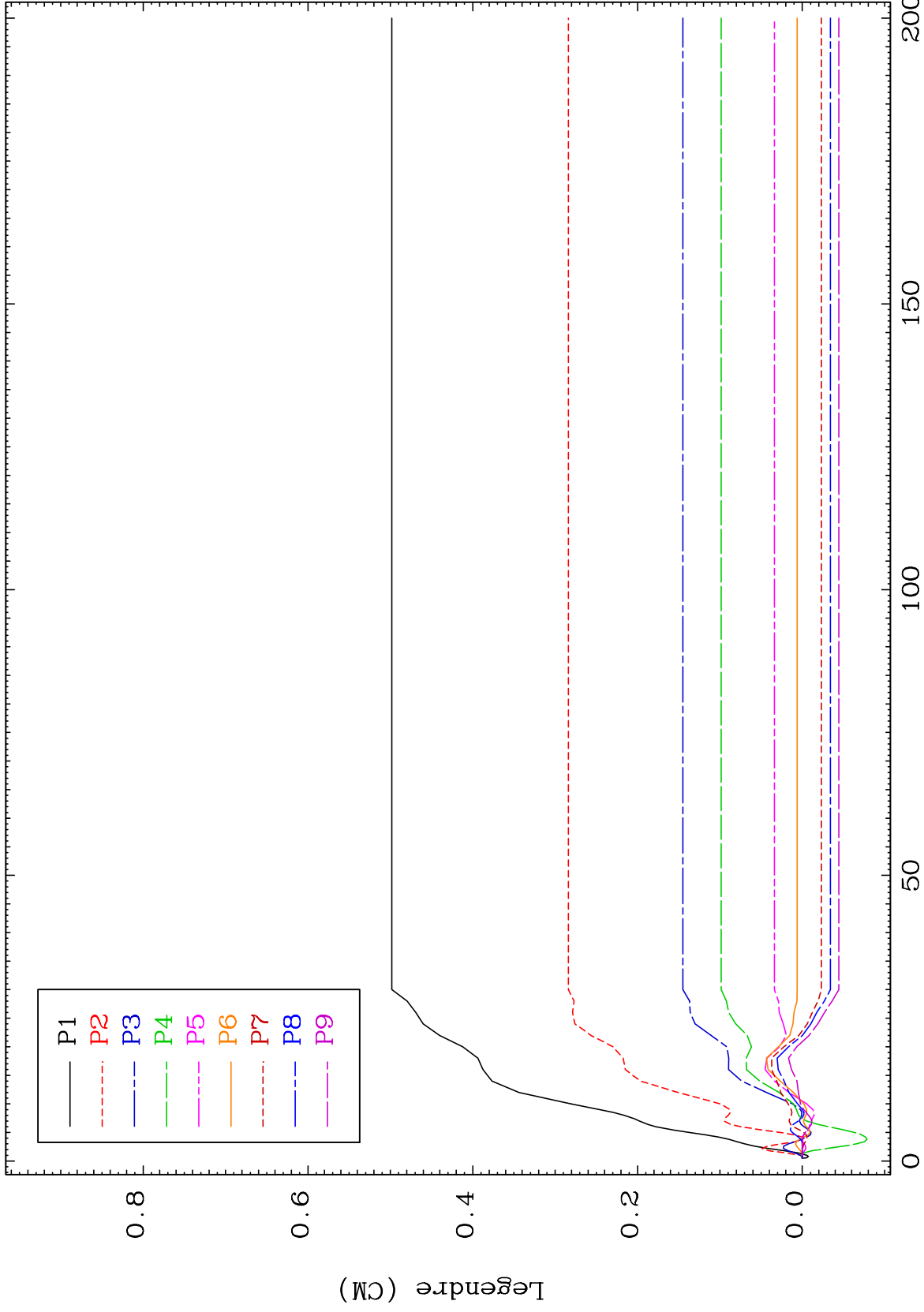
57-La-143



MAT 5740

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

57-La-143



38

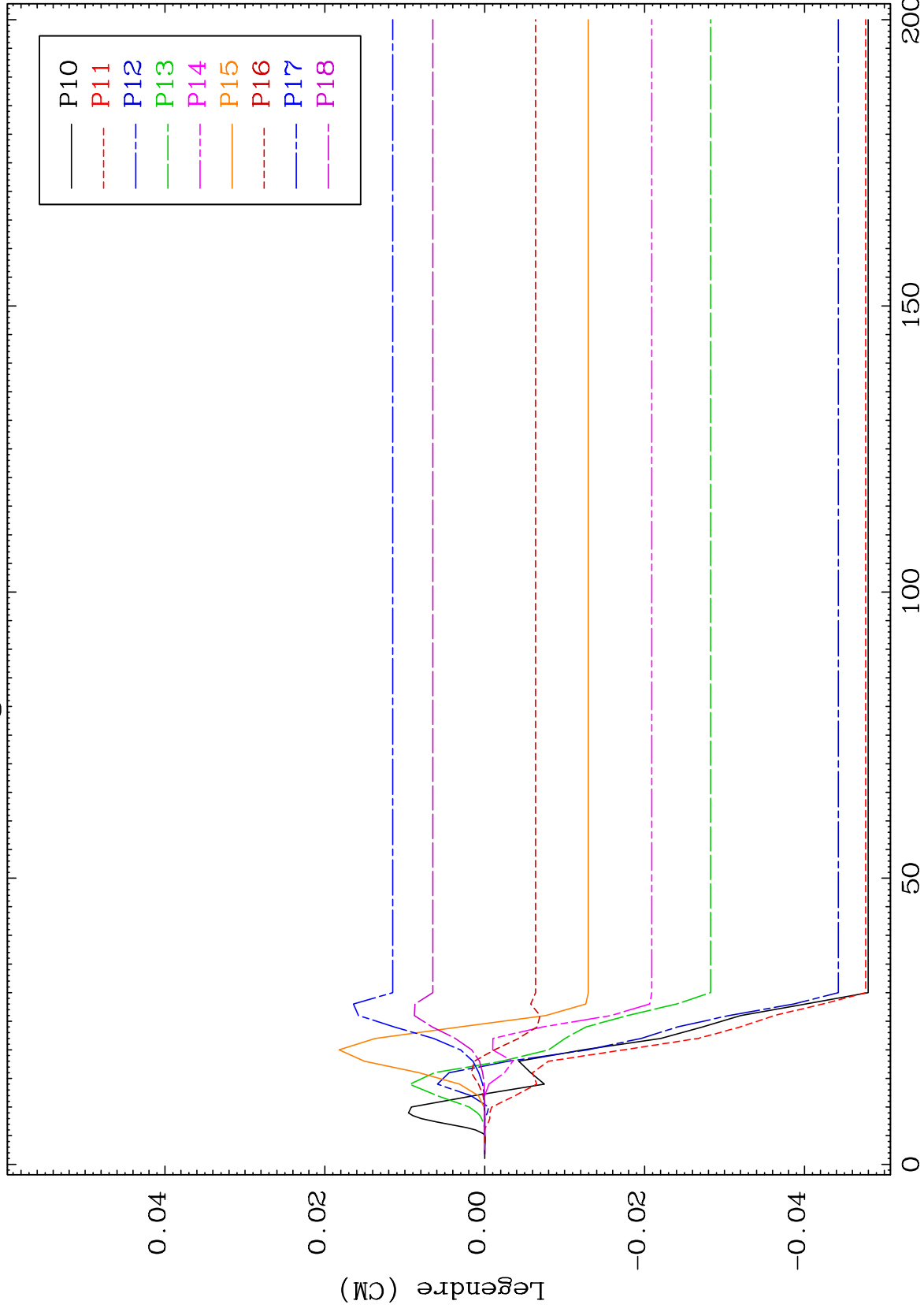
Incident Energy (MeV)

57-La-143

MAT 5740

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

57-La-143



39

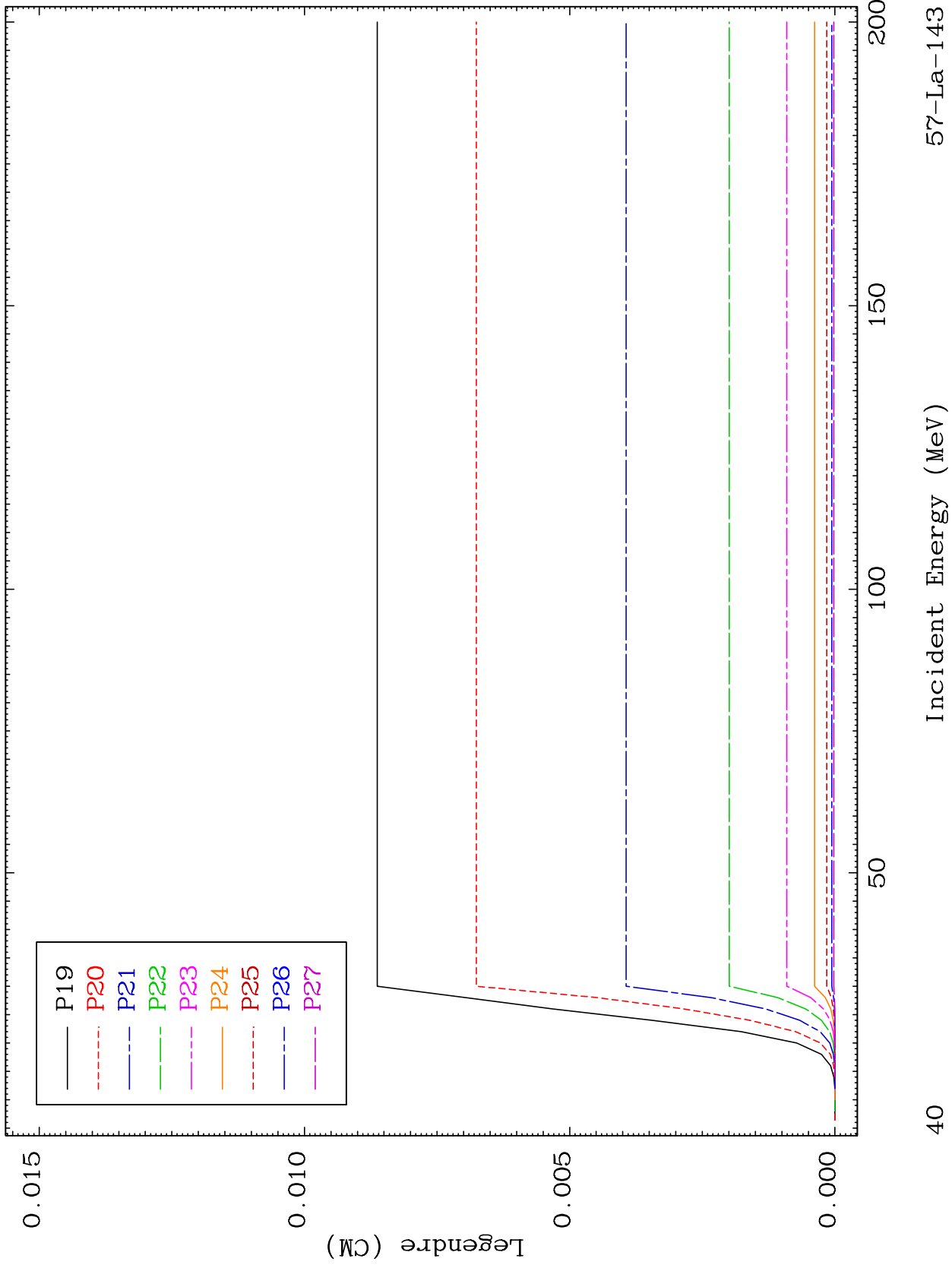
Incident Energy (MeV)

57-La-143

MAT 5740

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

57-La-143



57-La-143

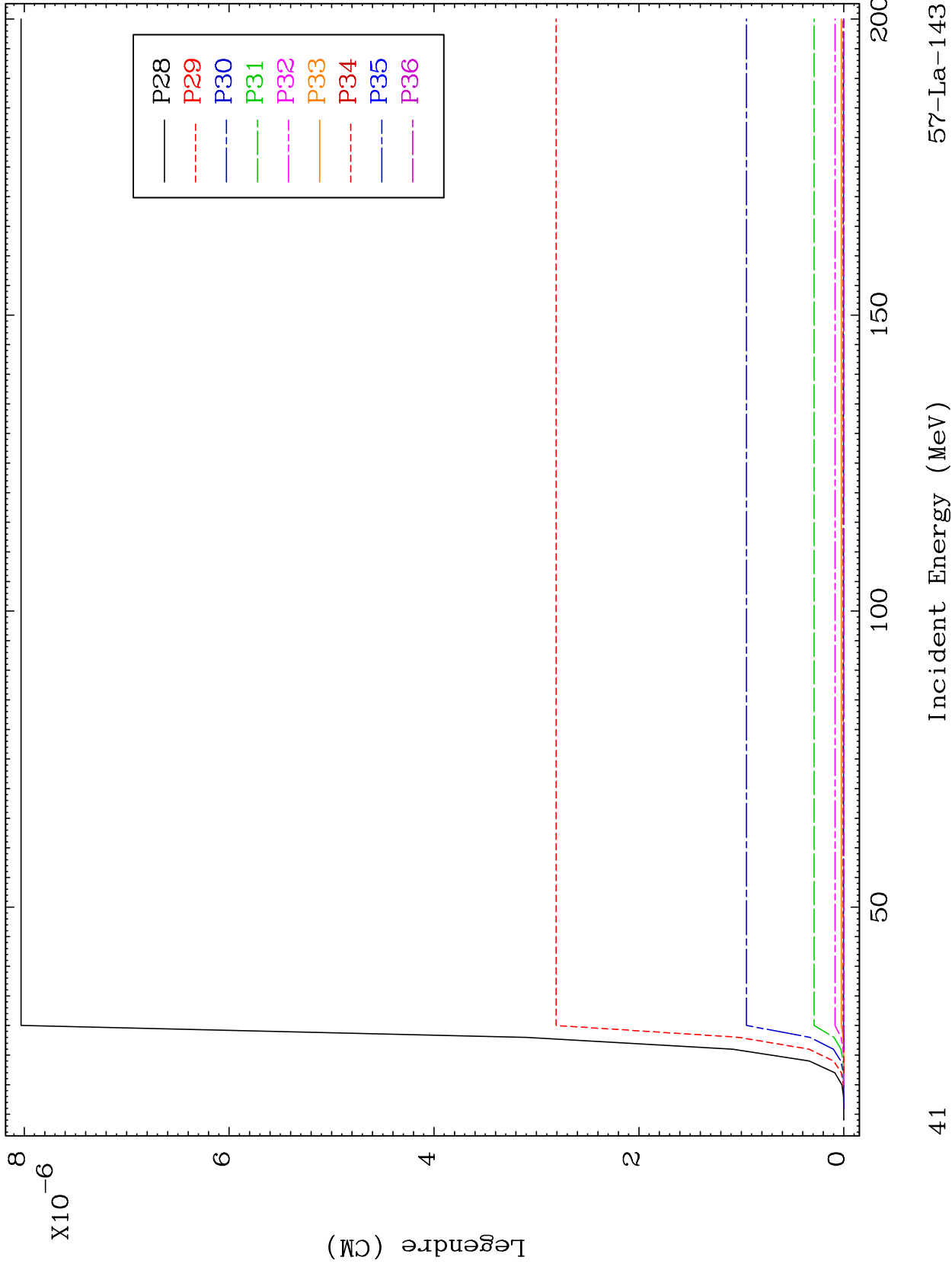
Incident Energy (MeV)

40

MAT 5740

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

57-La-143



41

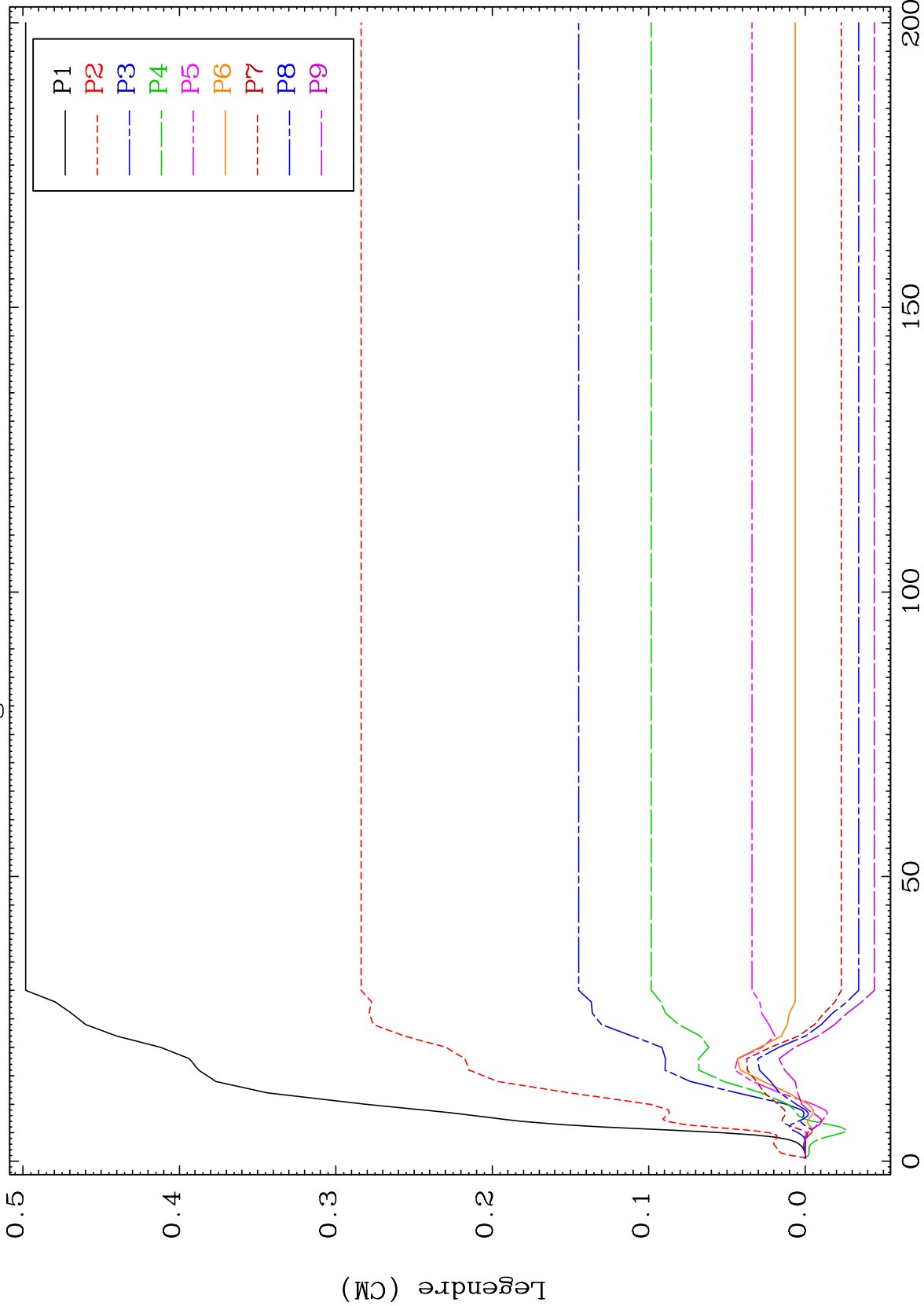
57-La-143

MAT 5740

MT= 57 (n,n') Level

57-La-143

Legendre Coefficients



42

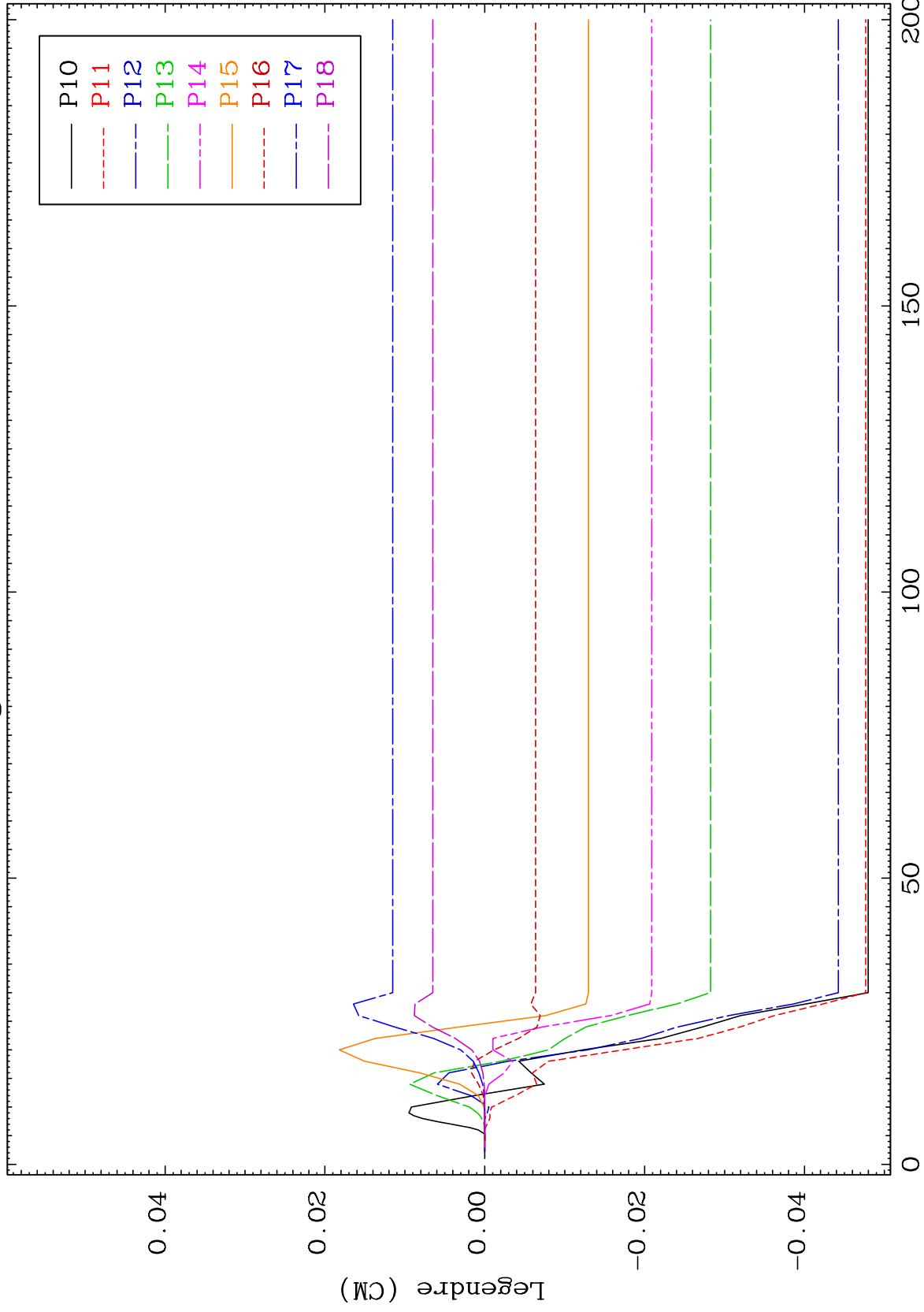
Incident Energy (MeV)

57-La-143

MAT 5740

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

57-La-143



43

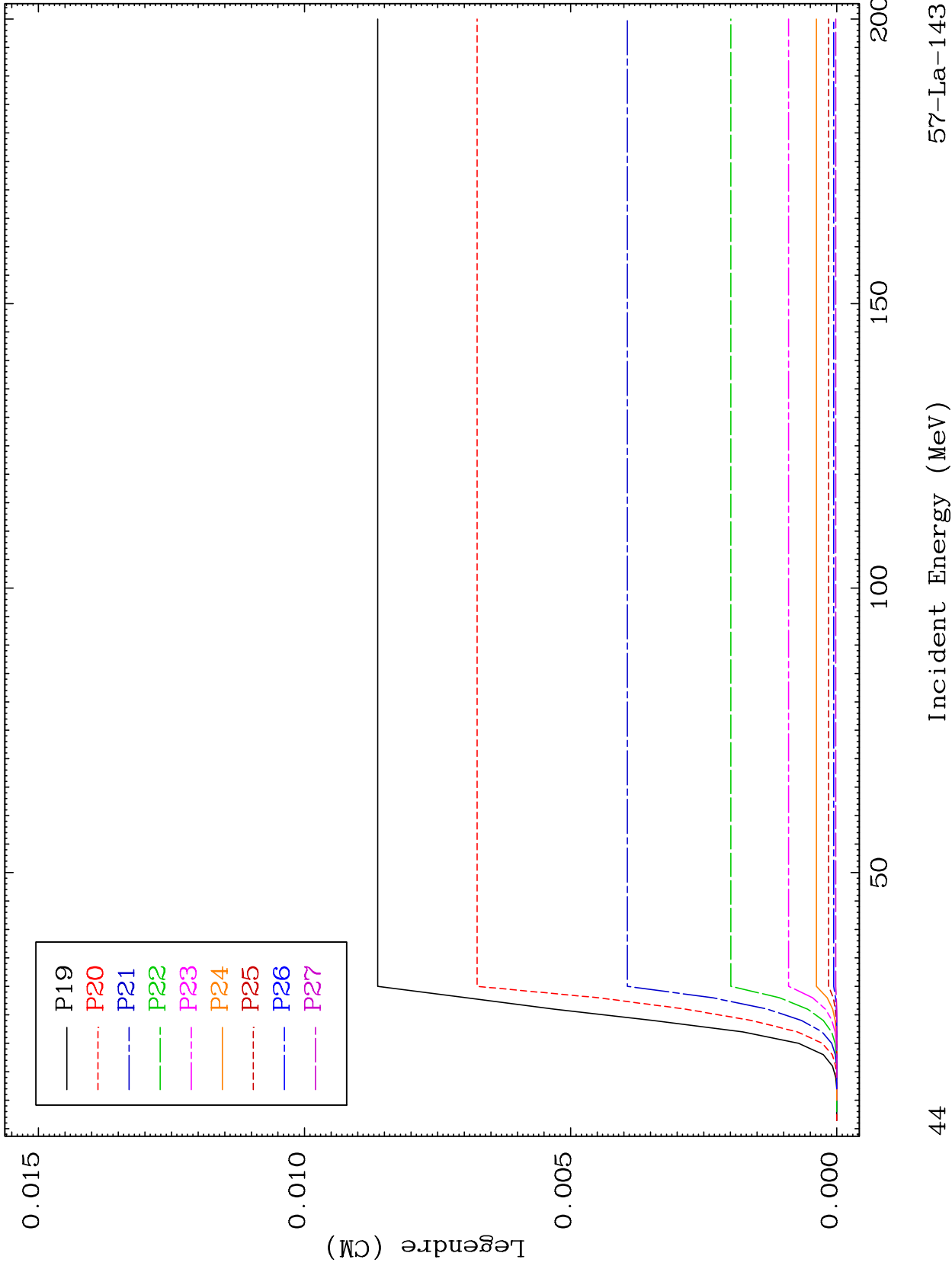
Incident Energy (MeV)

57-La-143

MAT 5740

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

57-La-143



44

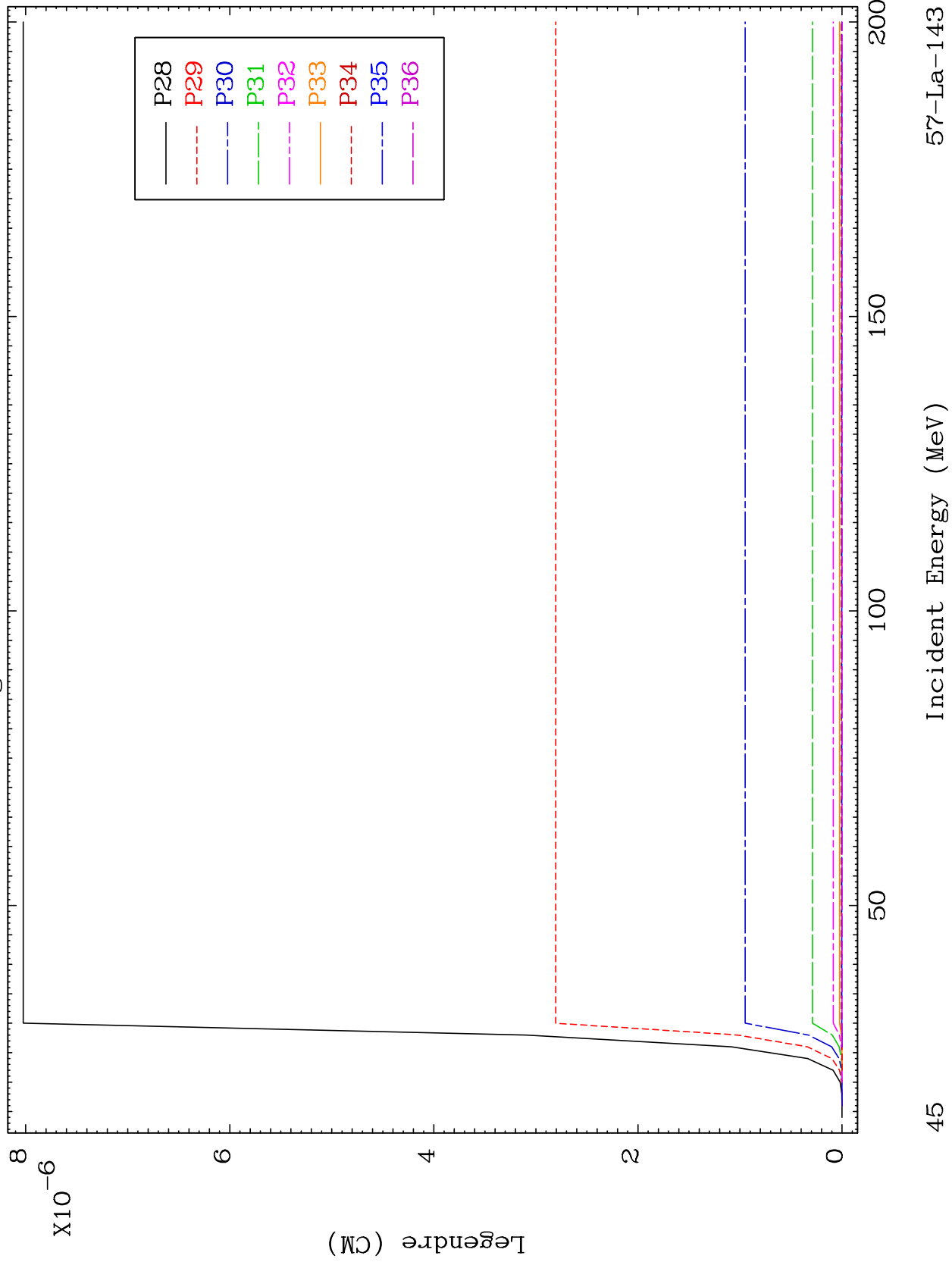
Incident Energy (MeV)

57-La-143

MAT 5740

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

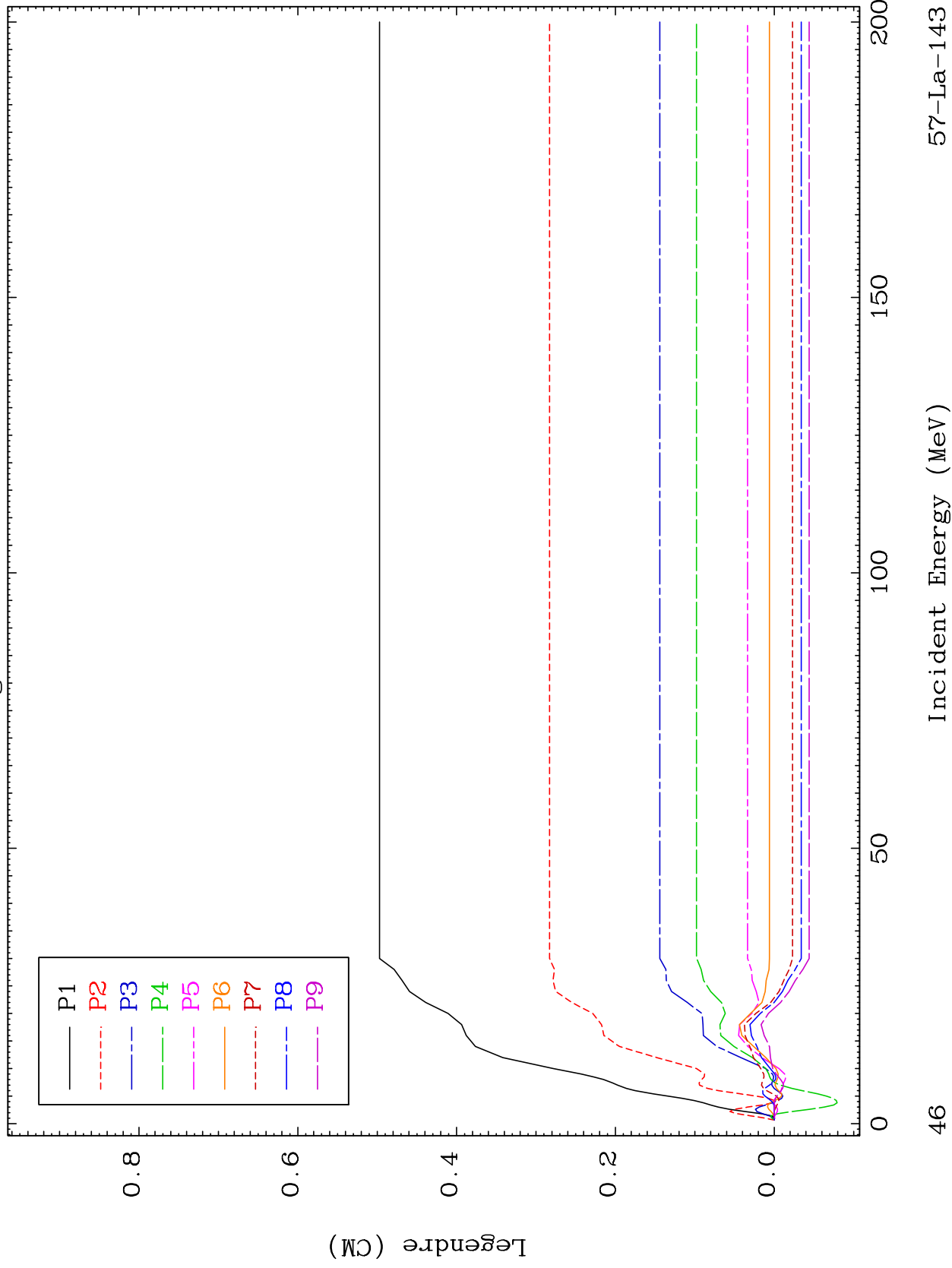
57-La-143



MAT 5740

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

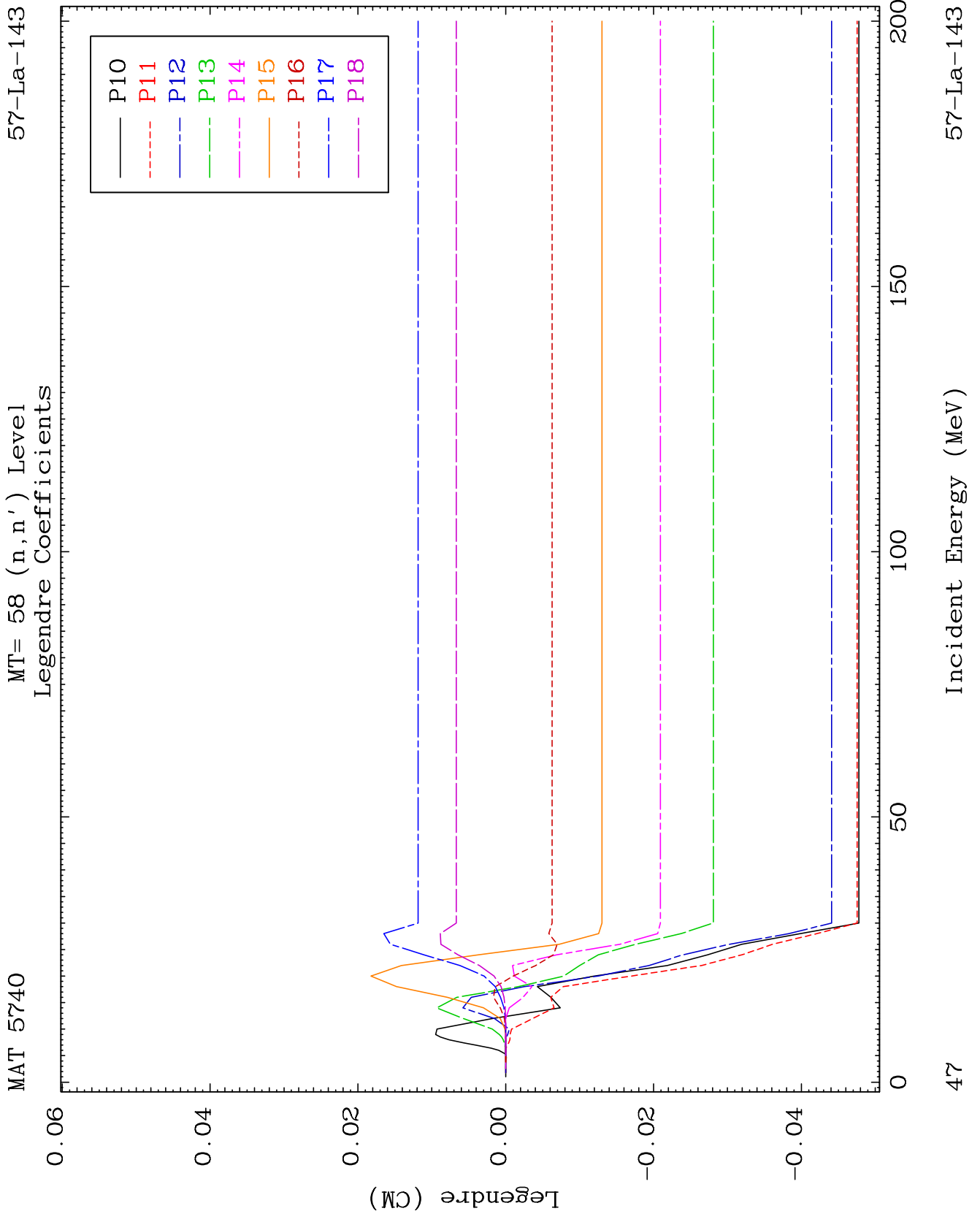
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57-La-143

Incident Energy (MeV)

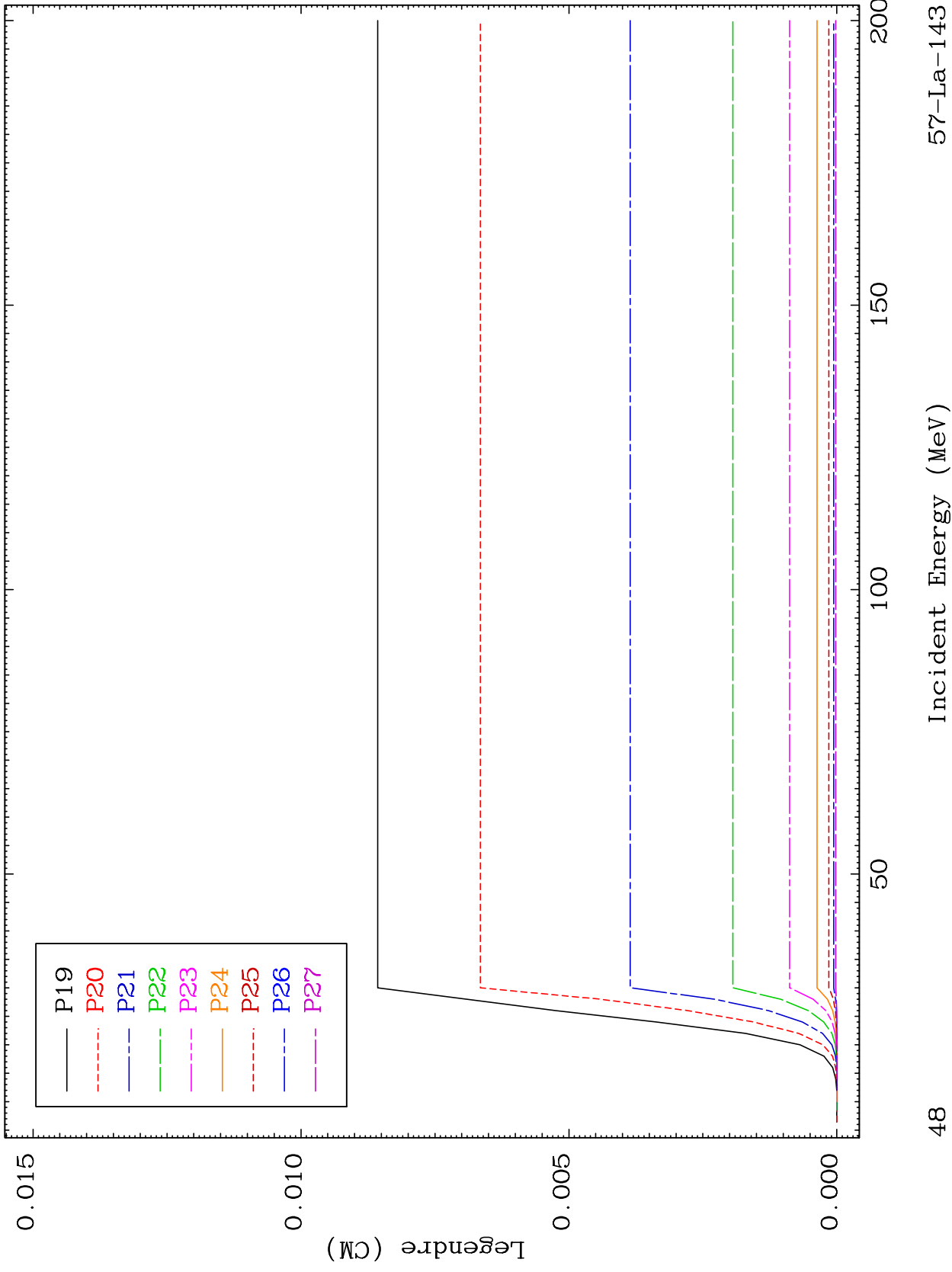
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MAT 5740

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

57-La-143



48

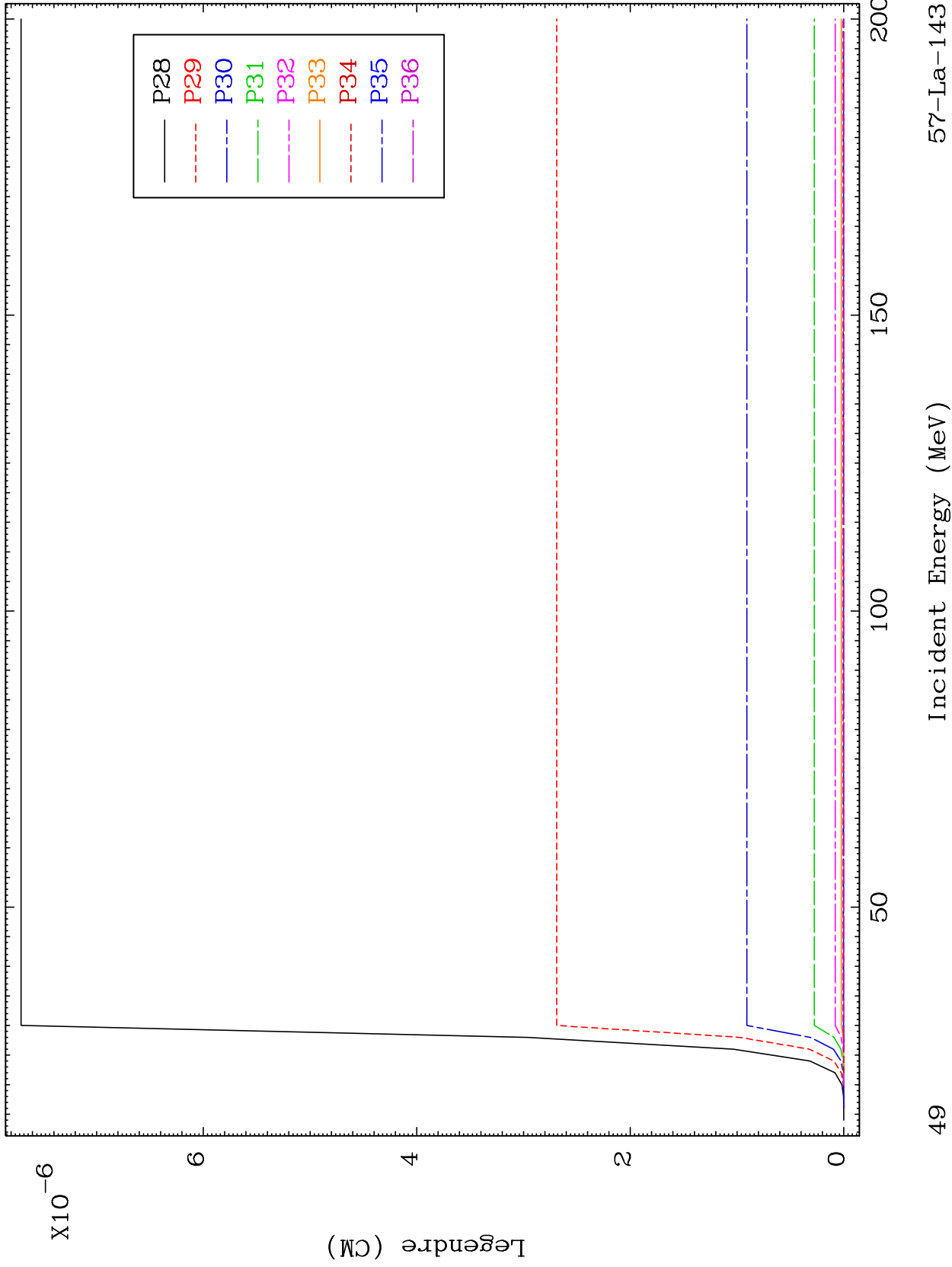
Incident Energy (MeV)

57-La-143

MAT 5740

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

57-La-143



49

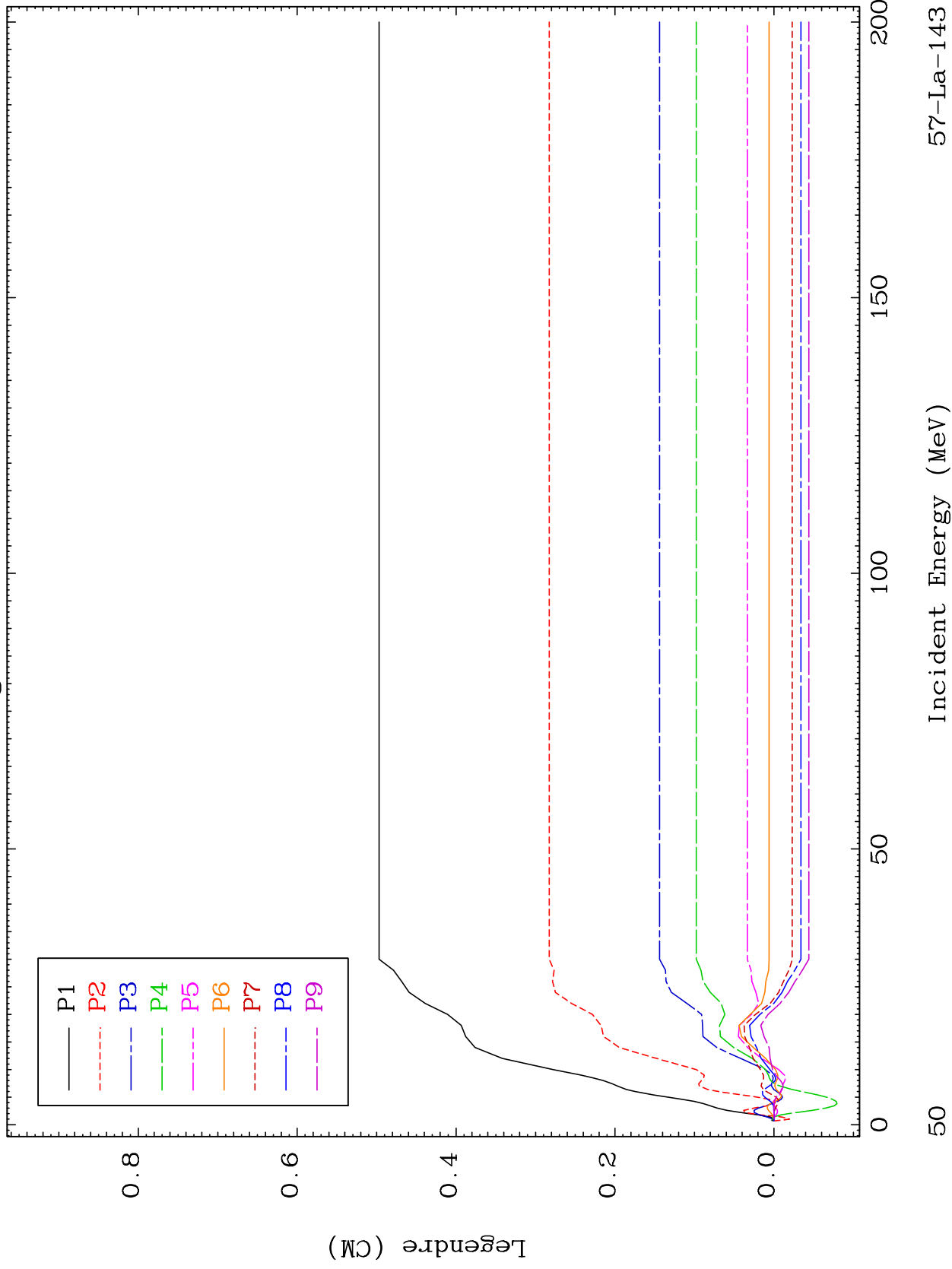
Incident Energy (MeV)

57-La-143

MAT 5740

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

57-La-143

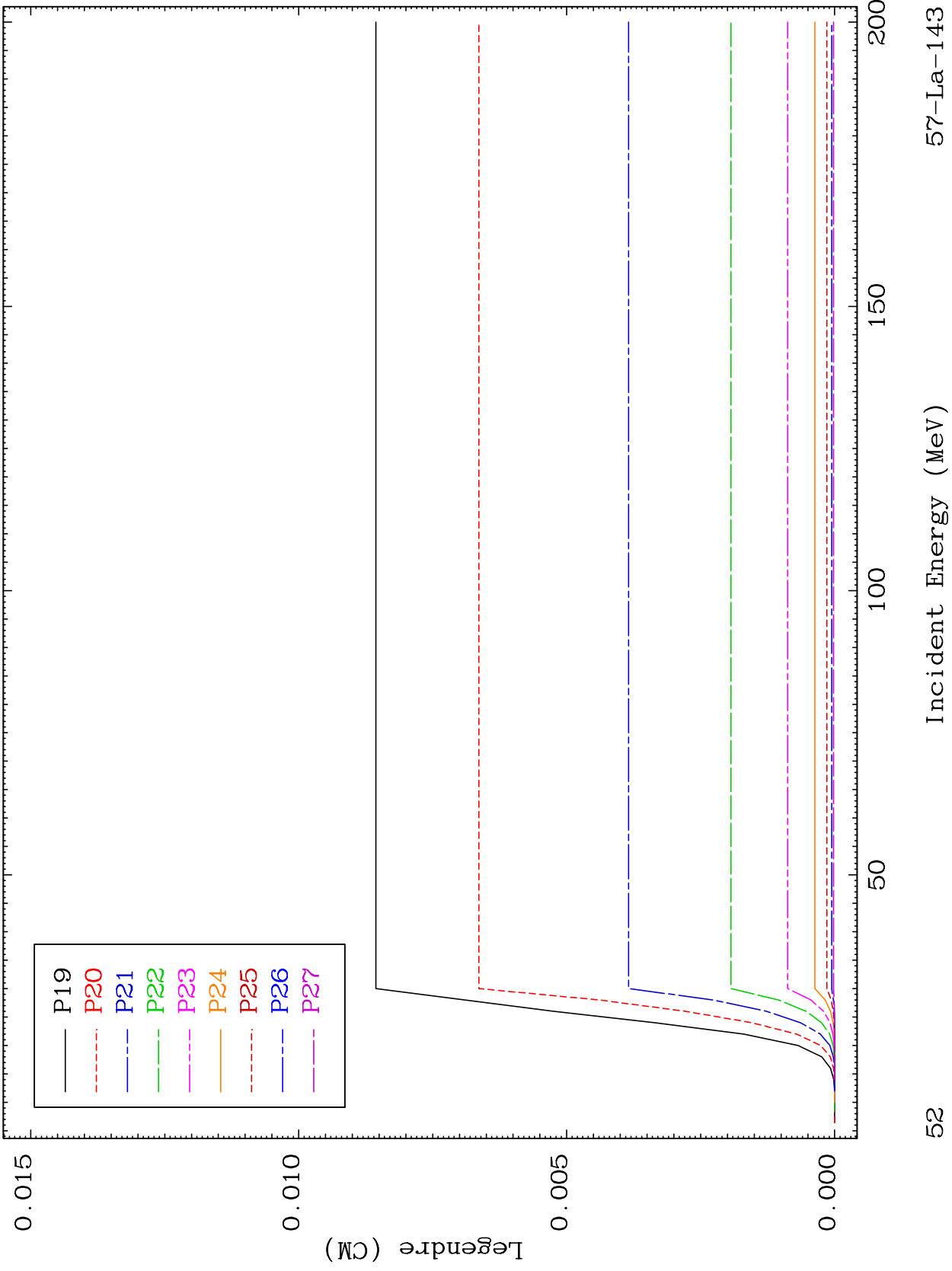




MAT 5740

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

57-La-143



57-La-143

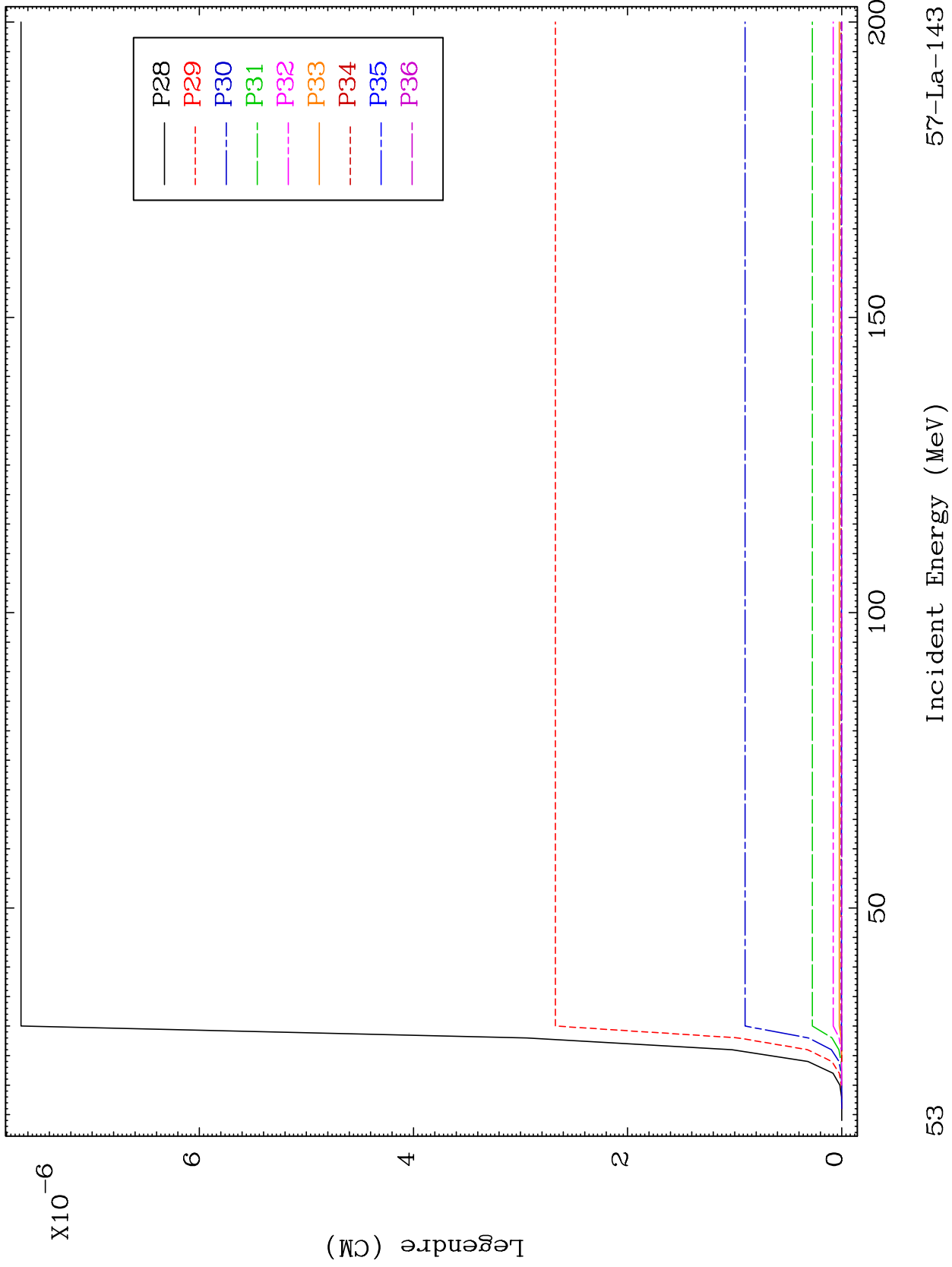
Incident Energy (MeV)

52

MAT 5740

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

57-La-143



53

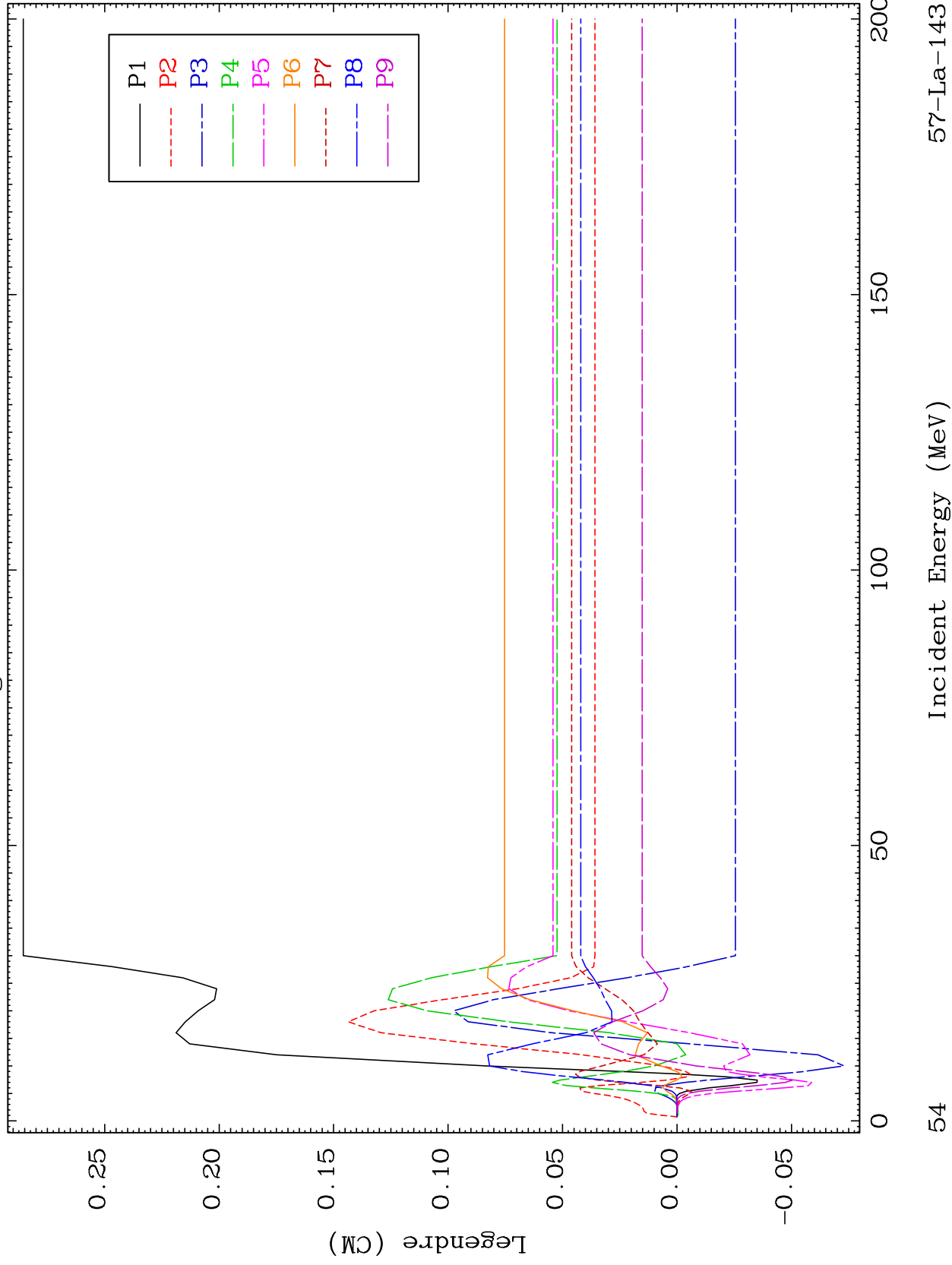
Incident Energy (MeV)

57-La-143

MAT 5740

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

57-La-143



57-La-143

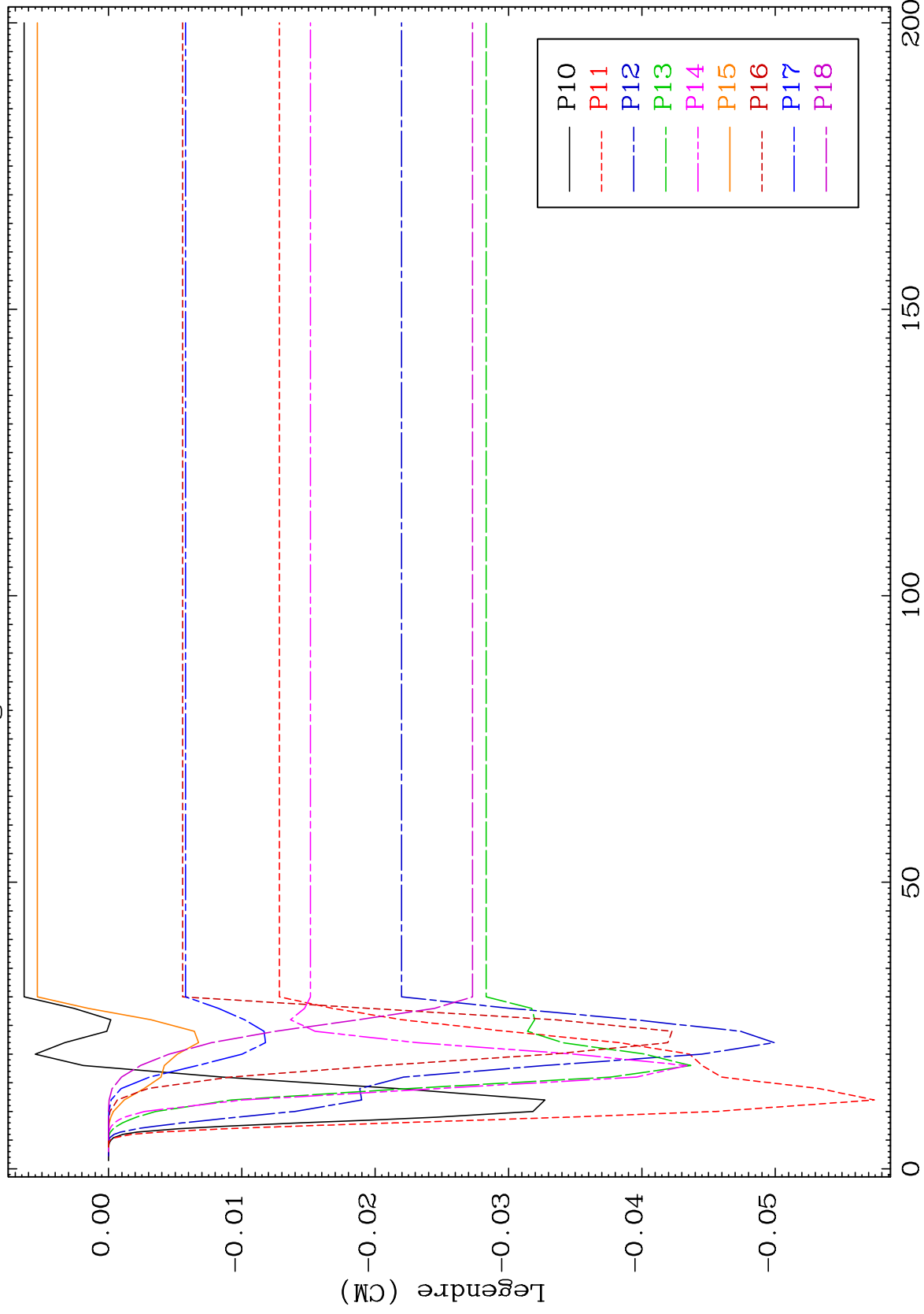
Incident Energy (MeV)

54

MAT 5740

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

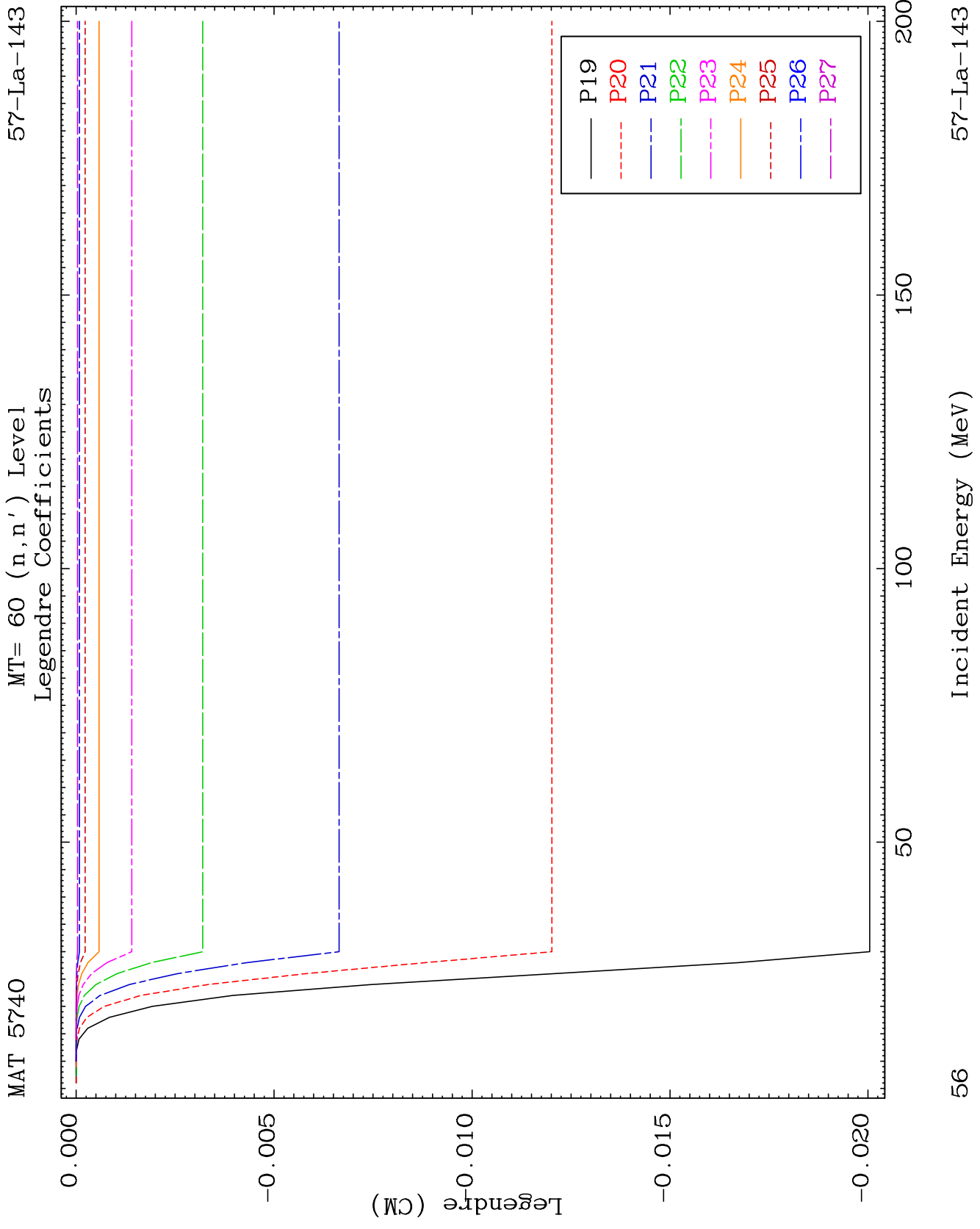
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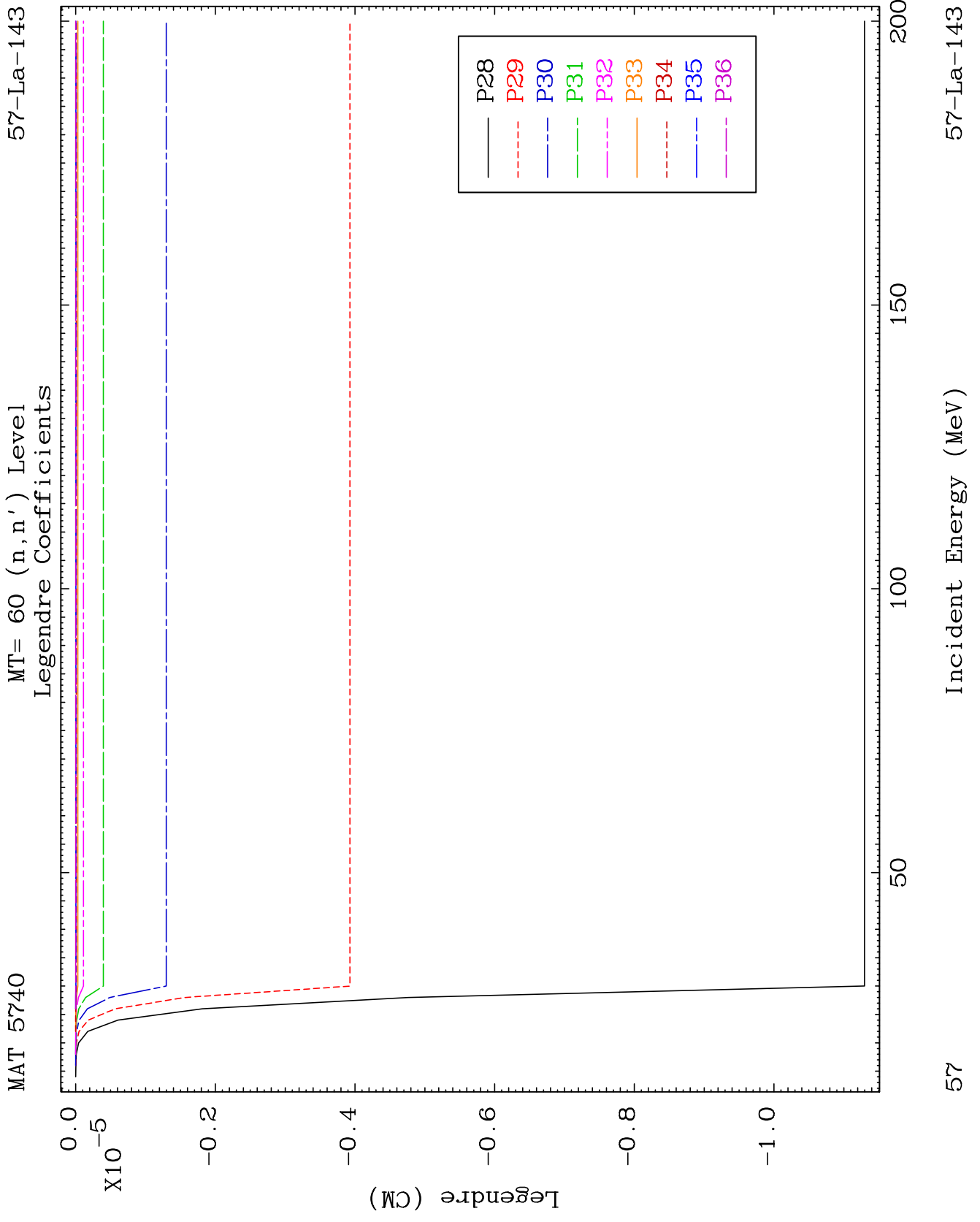


55

Incident Energy (MeV)

57-La-143

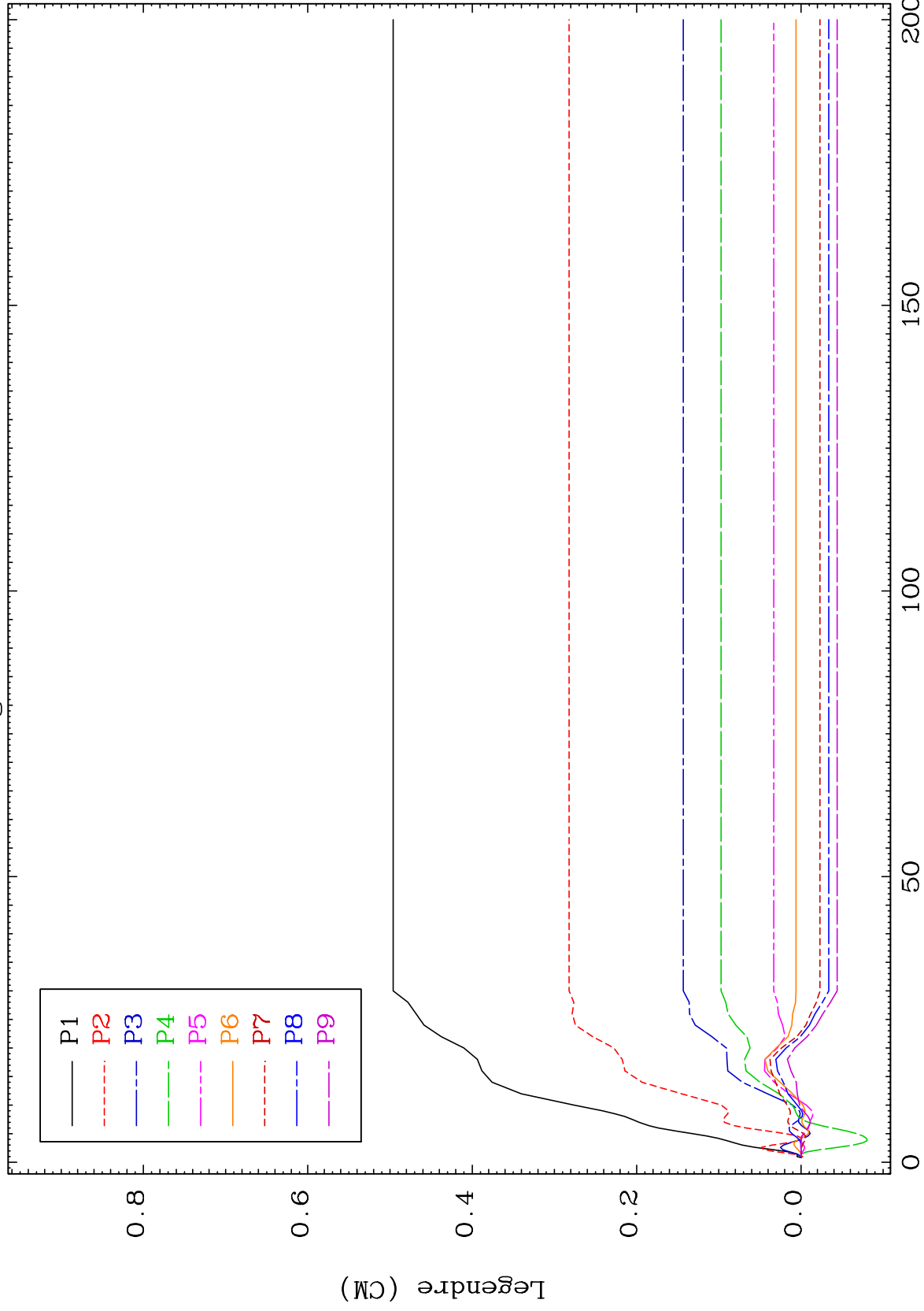




MAT 5740

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

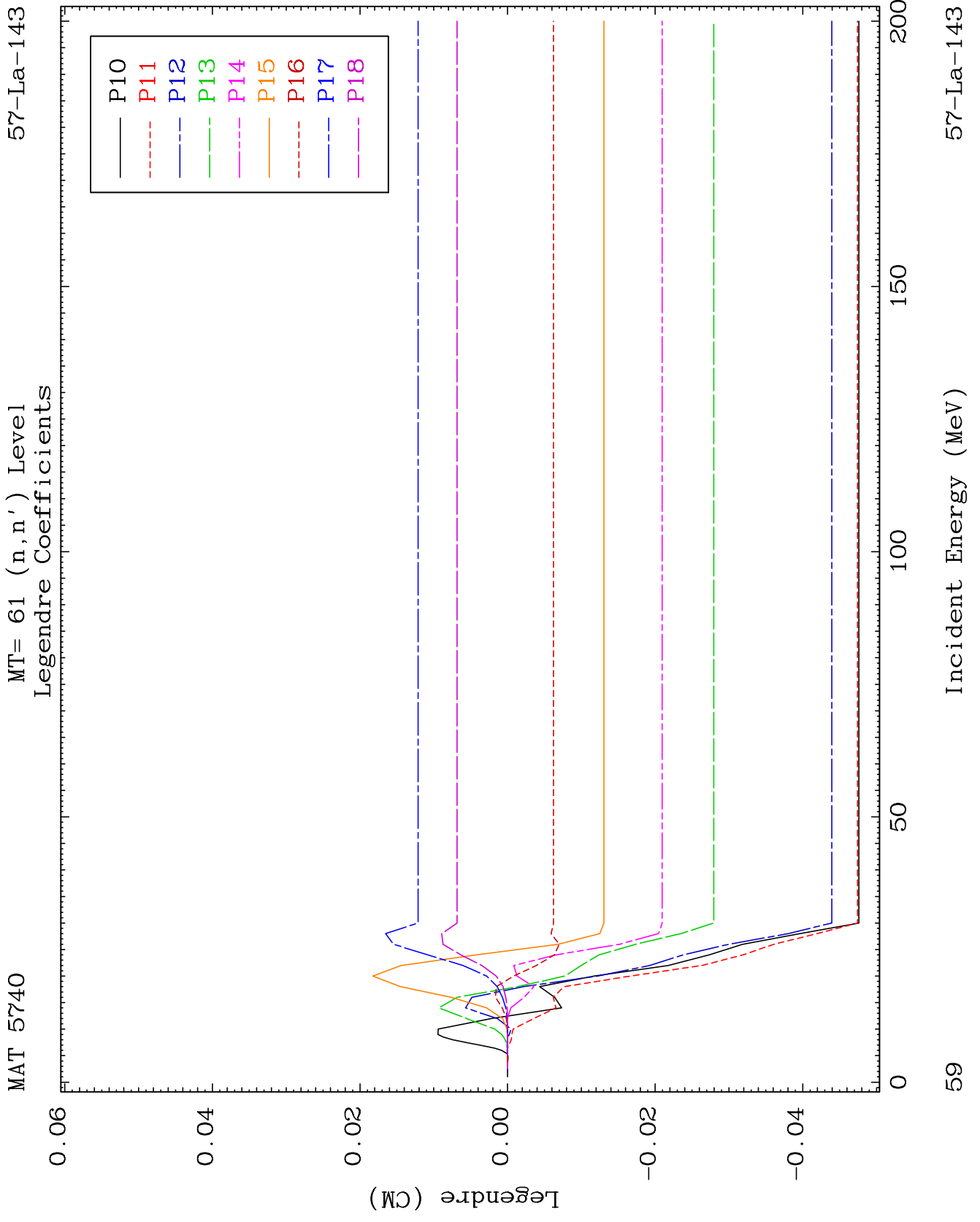
57-La-143



58

Incident Energy (MeV)

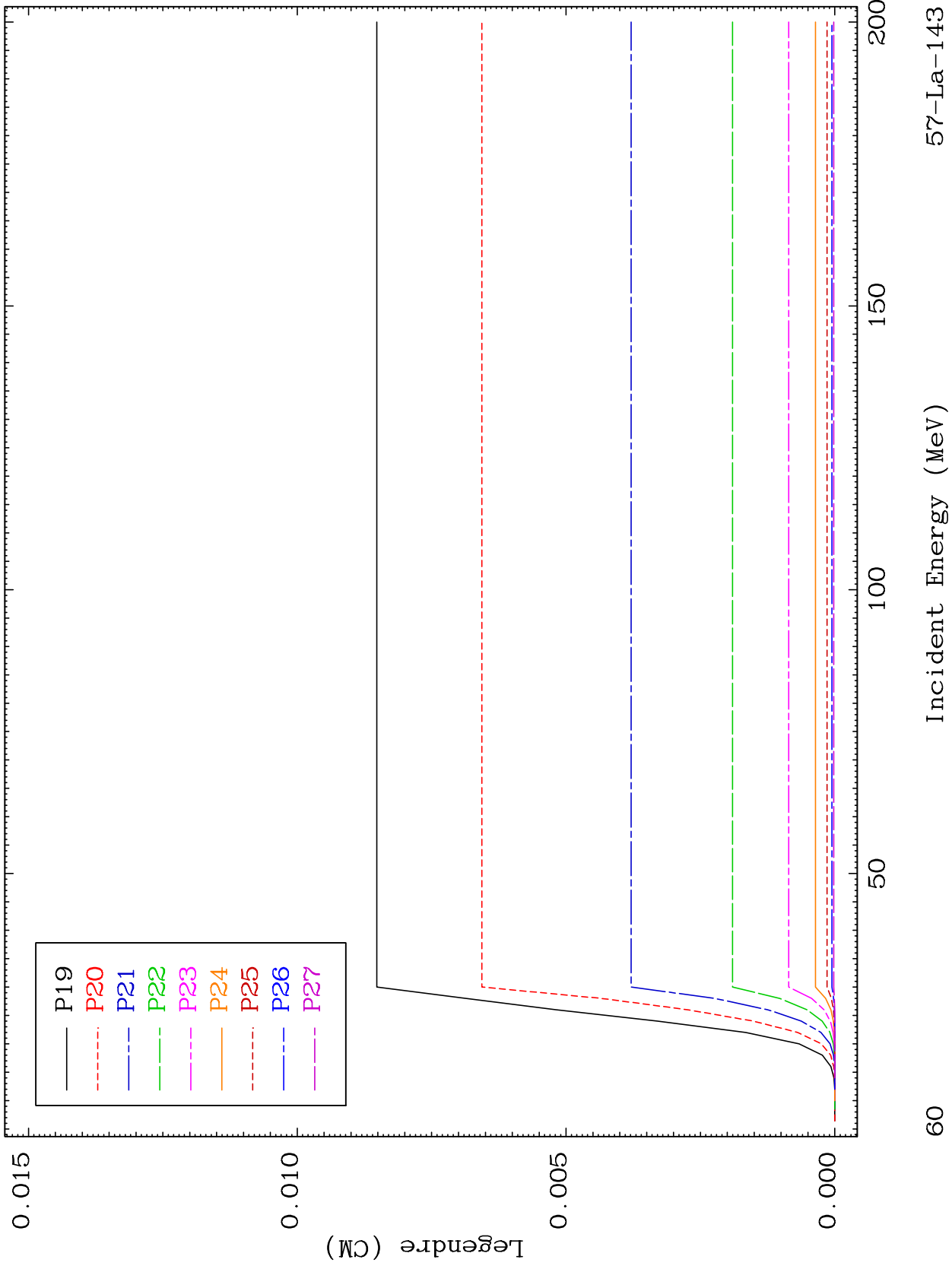
57-La-143



MAT 5740

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

57-La-143



57-La-143

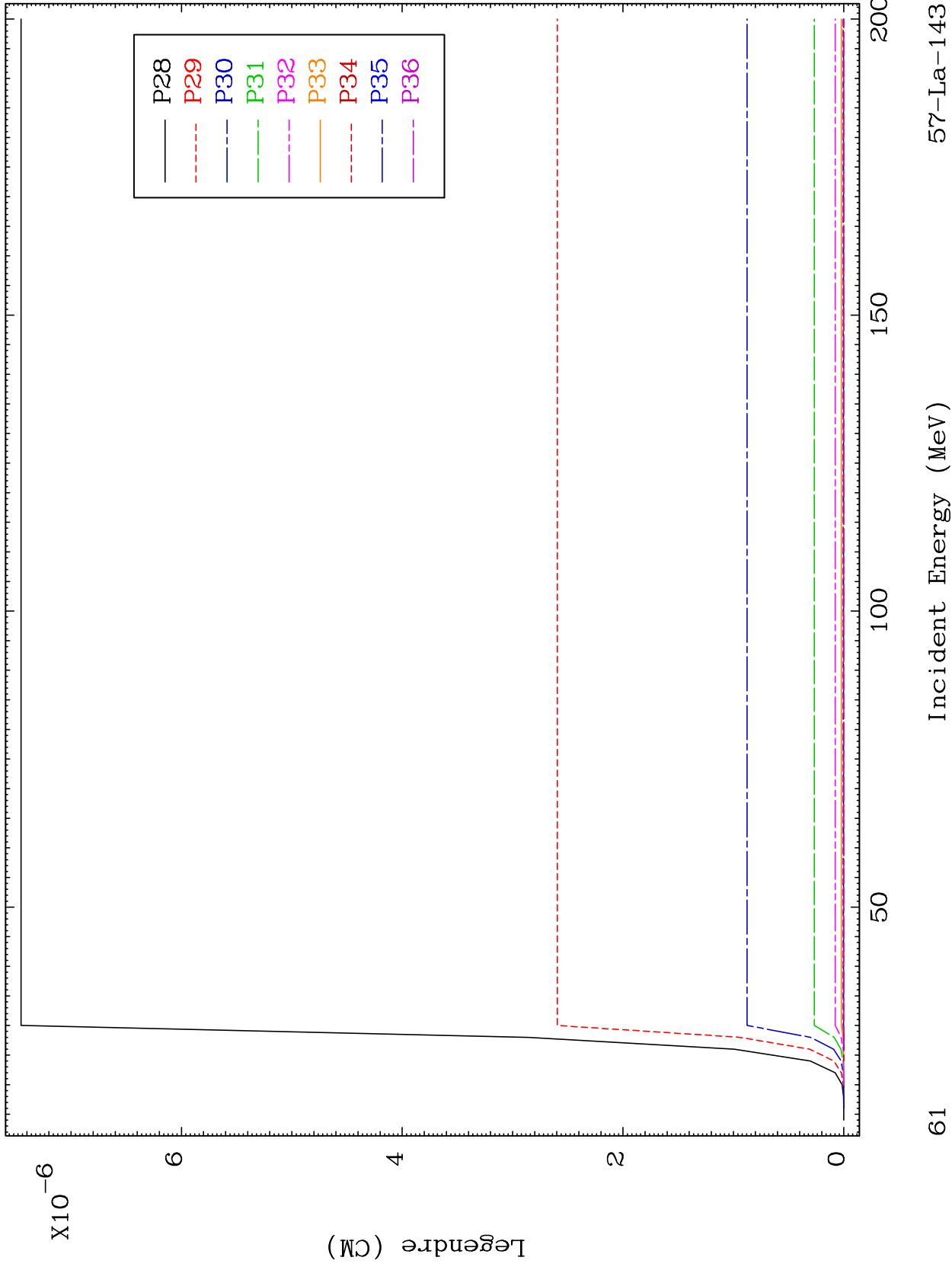
Incident Energy (MeV)

60

MAT 5740

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

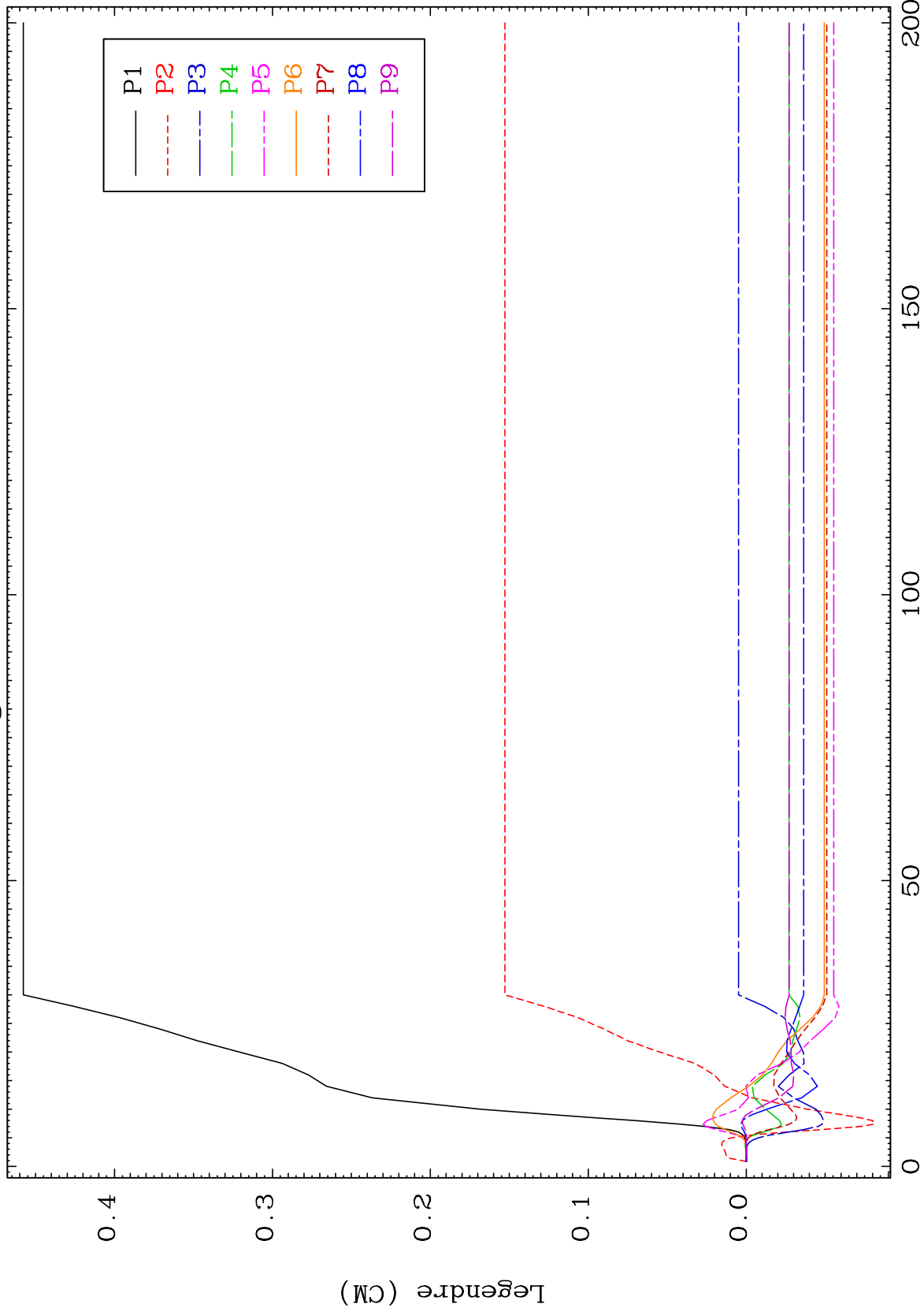
57-La-143



MAT 5740

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

57-La-143



57-La-143

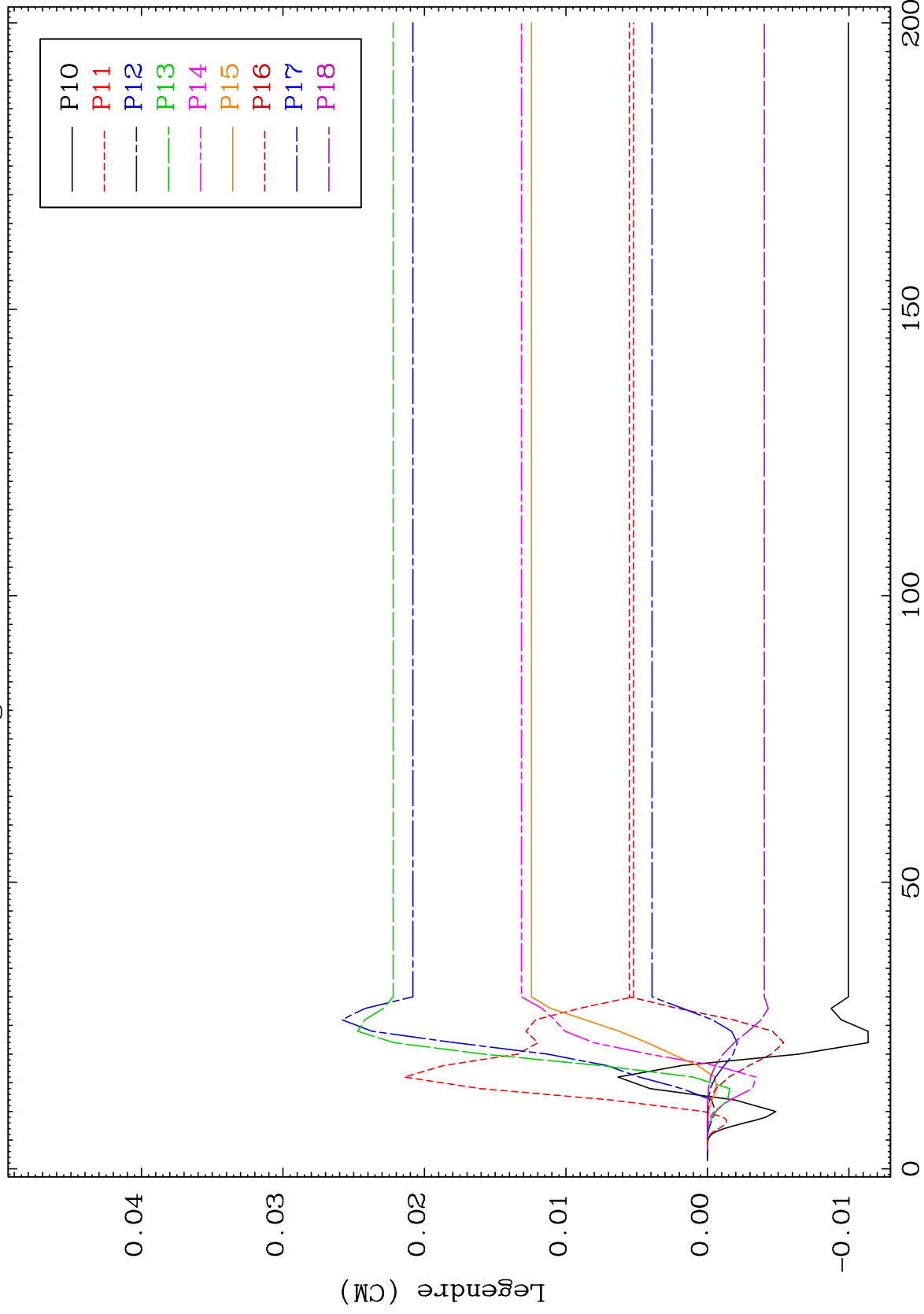
Incident Energy (MeV)

62

MAT 5740

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

57-La-143



63

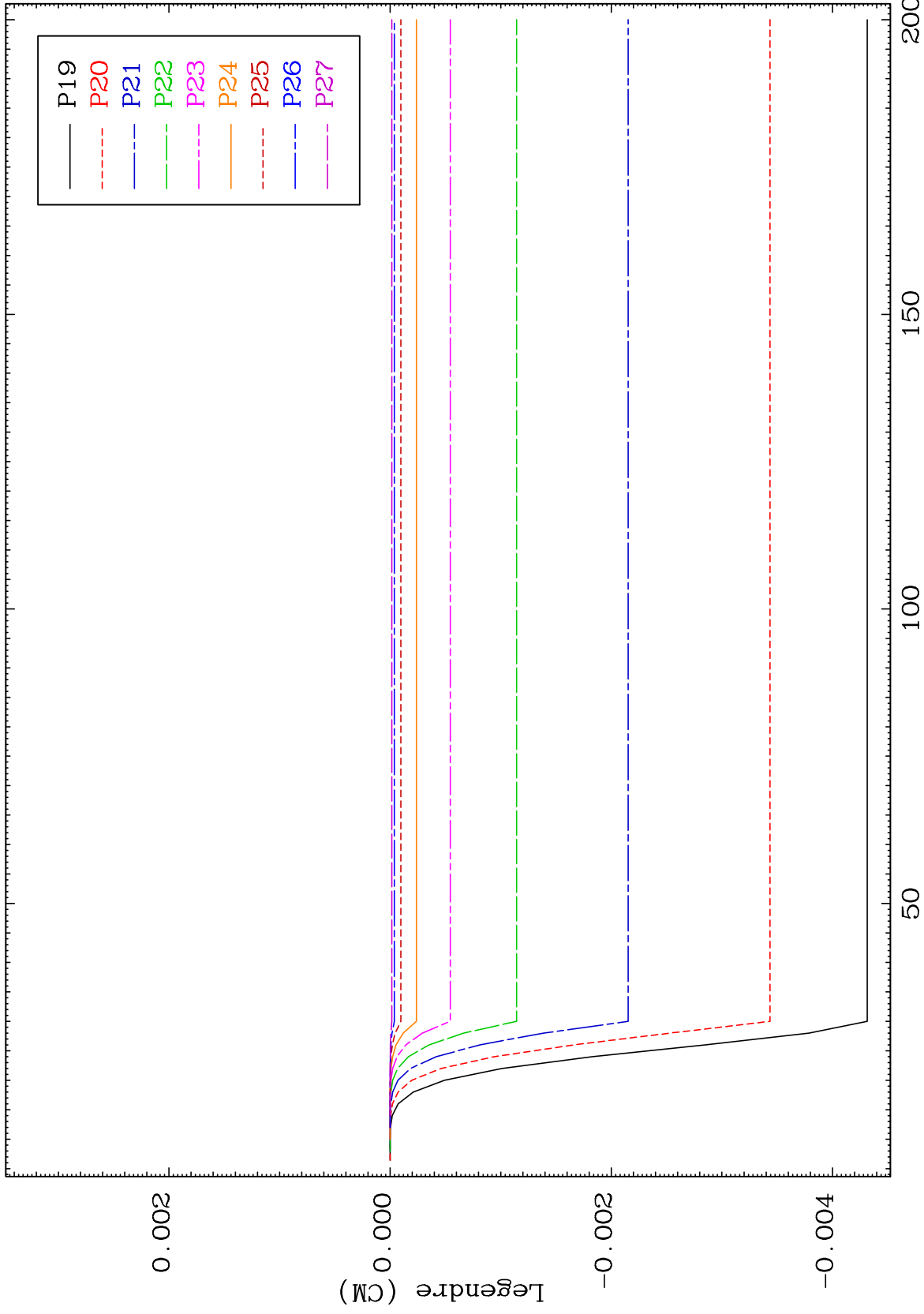
Incident Energy (MeV)

57-La-143

MAT 5740

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

57-La-143



64

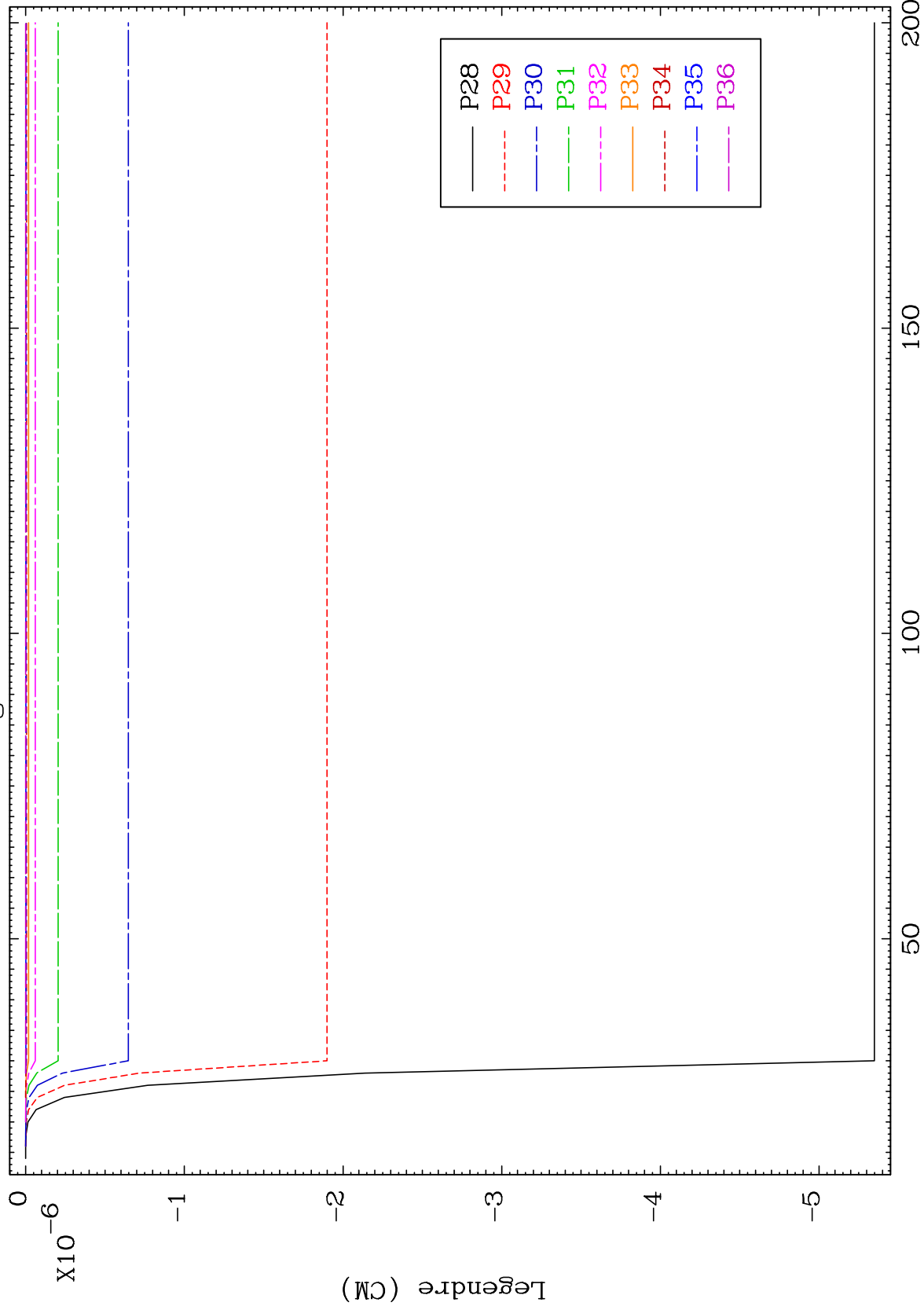
Incident Energy (MeV)

57-La-143

MAT 5740

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

57-La-143



65

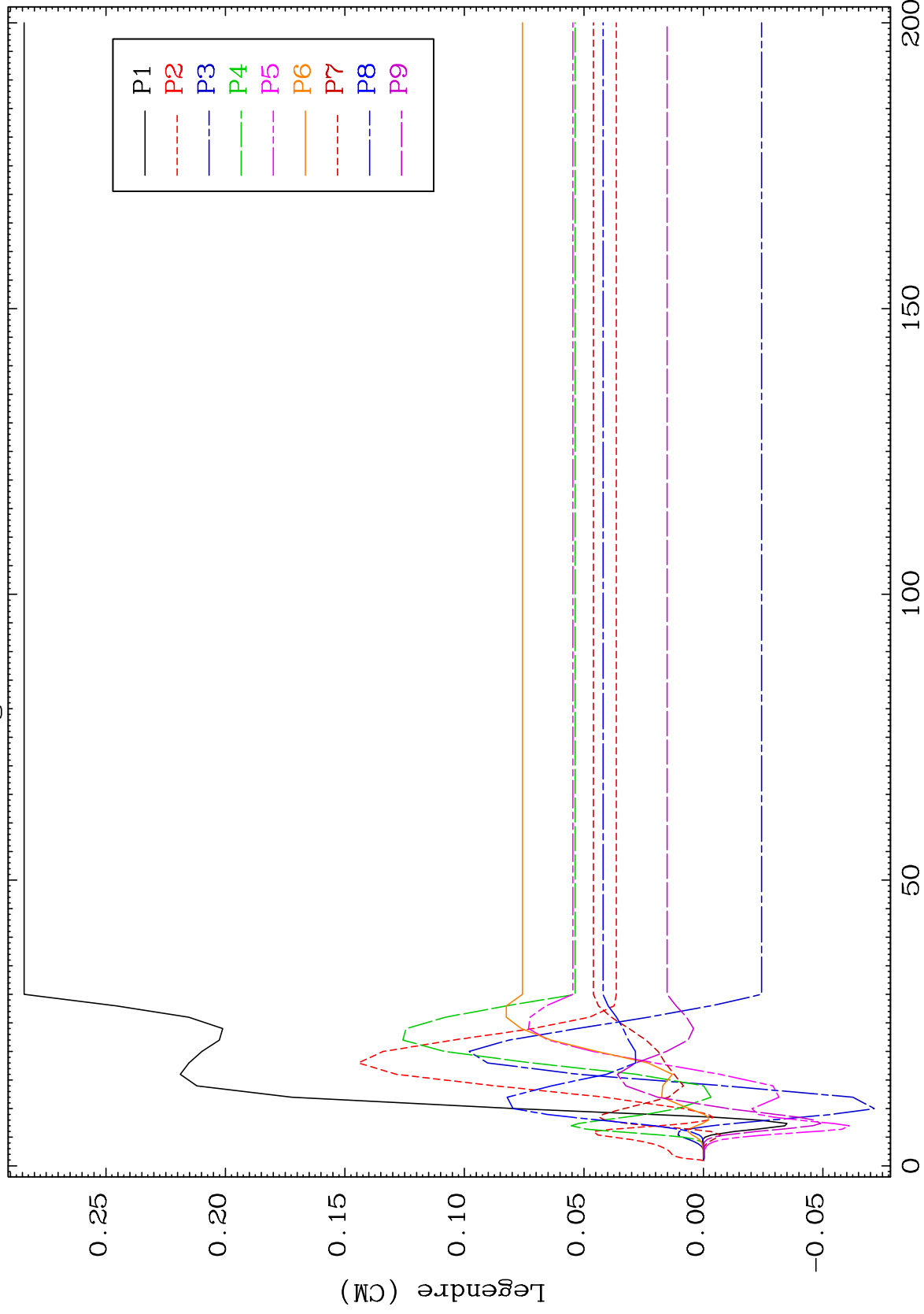
Incident Energy (MeV)

57-La-143

MAT 5740

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

57-La-143



57-La-143

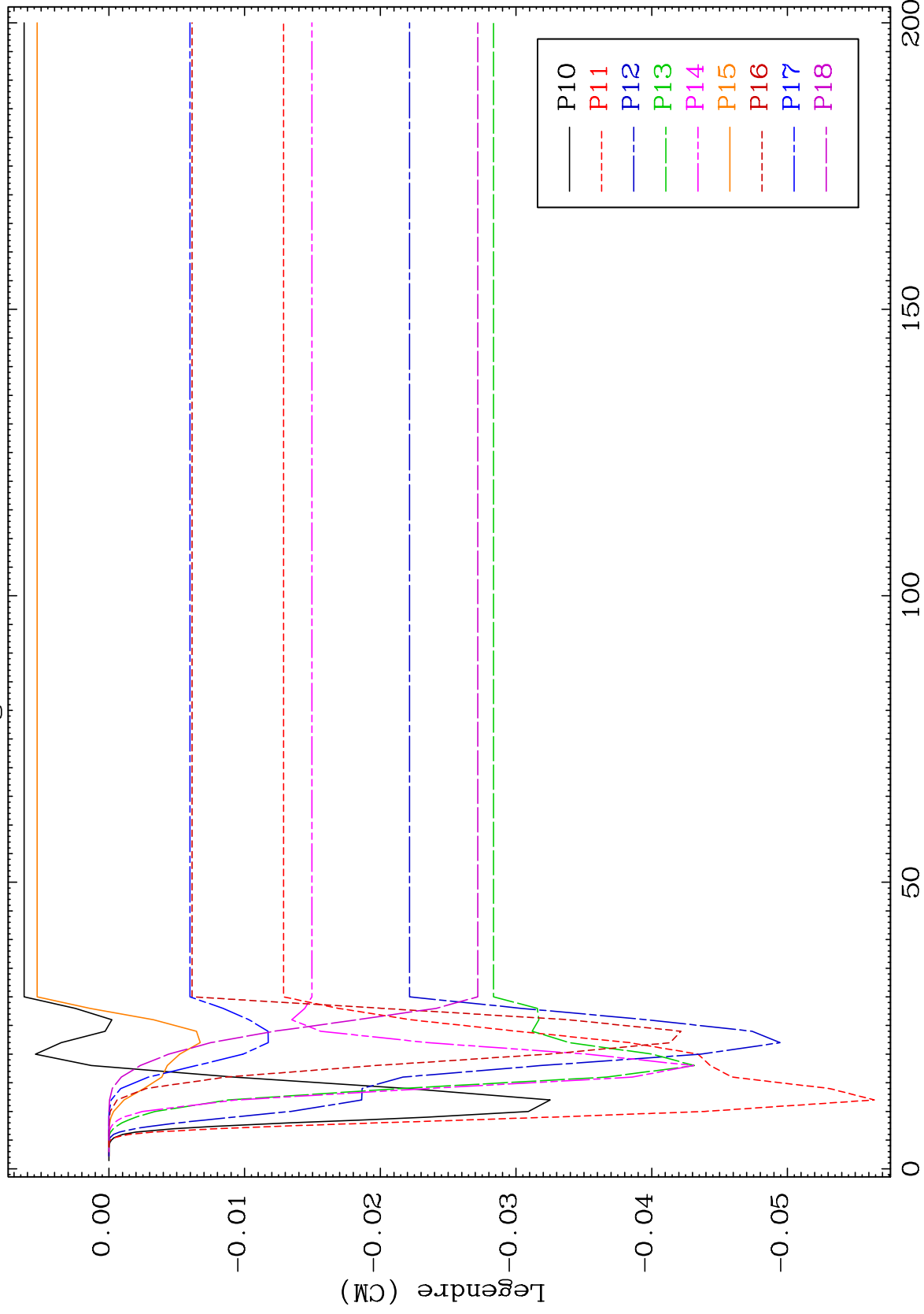
Incident Energy (MeV)

66

MAT 5740

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

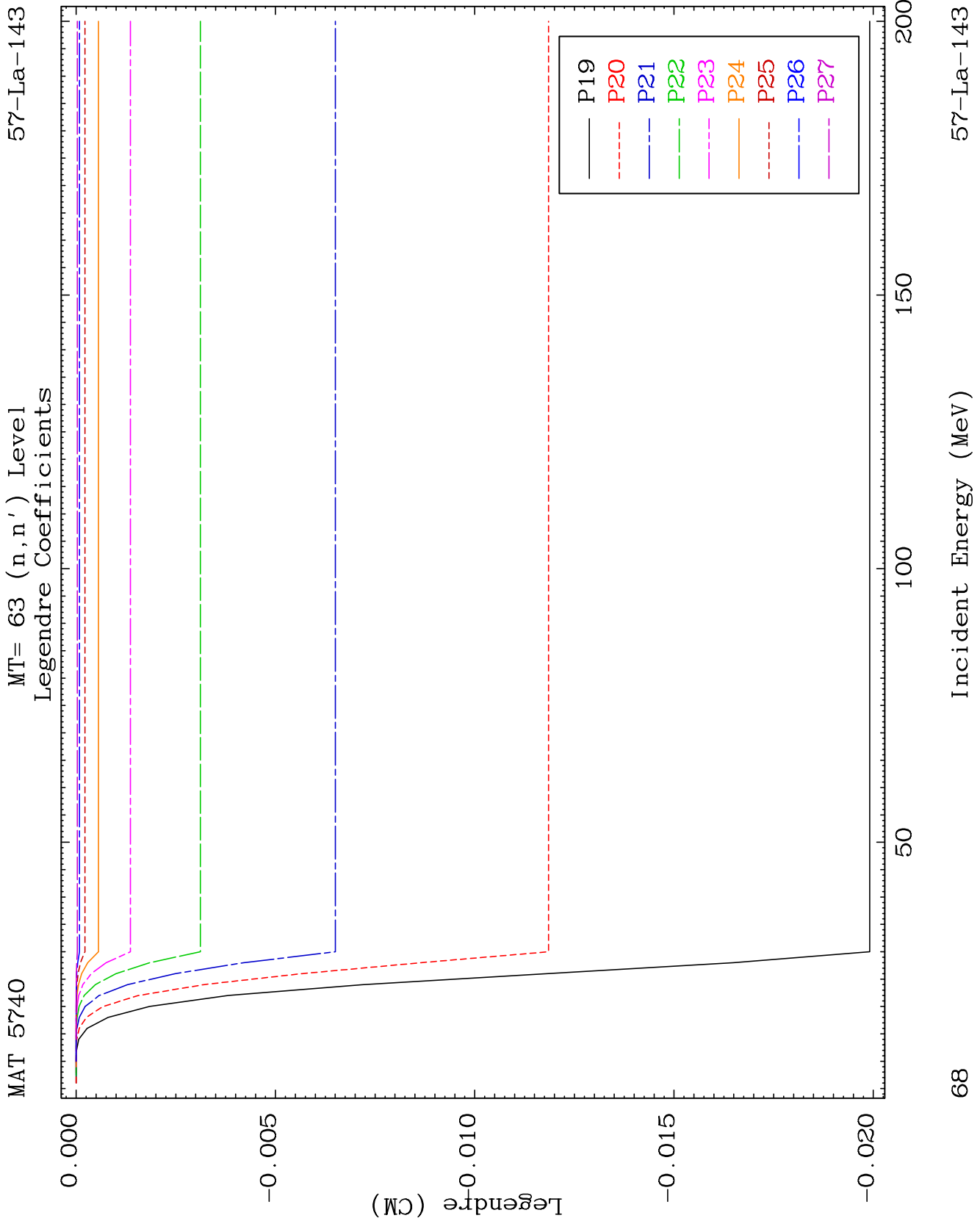
57-La-143

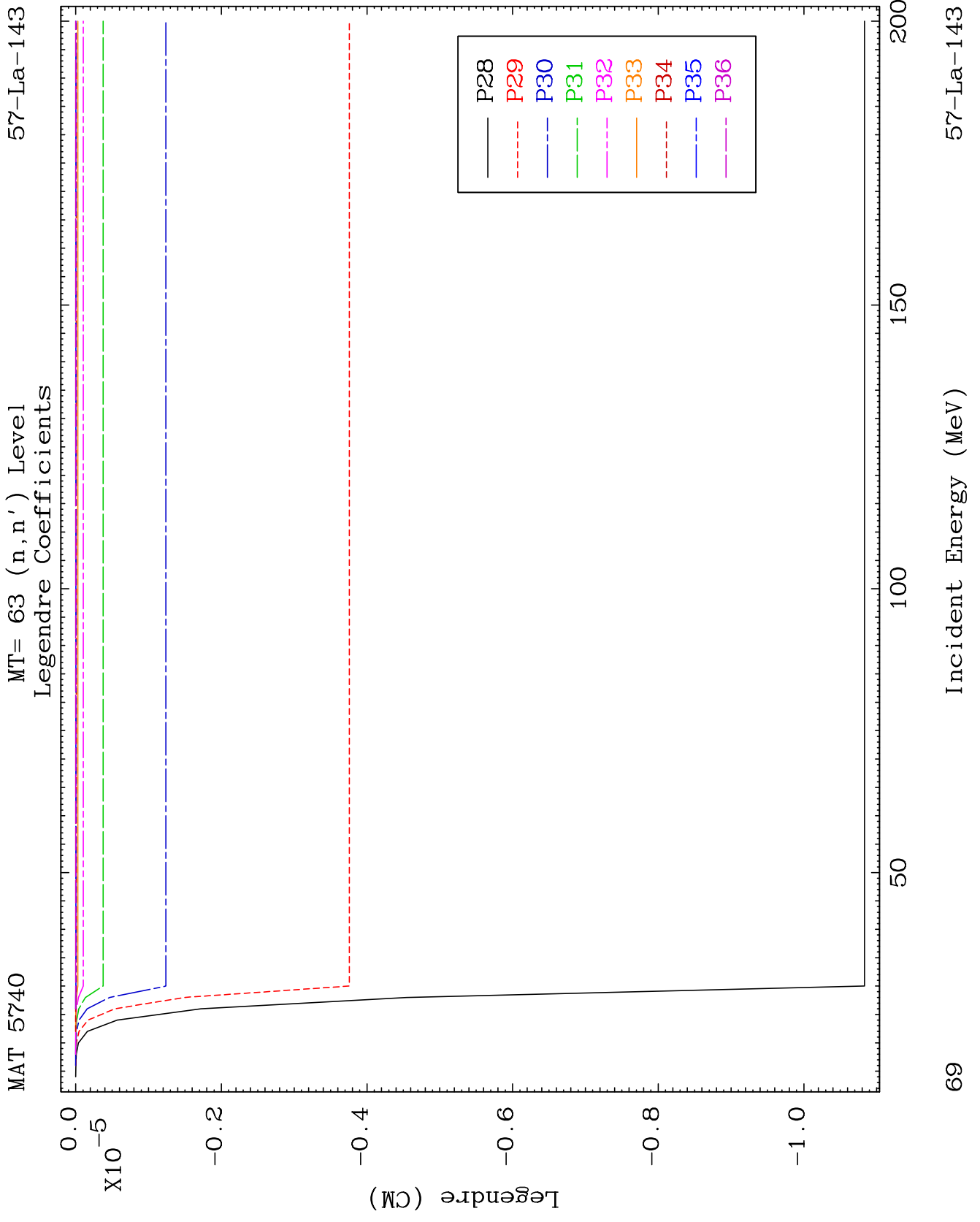


67

Incident Energy (MeV)

57-La-143

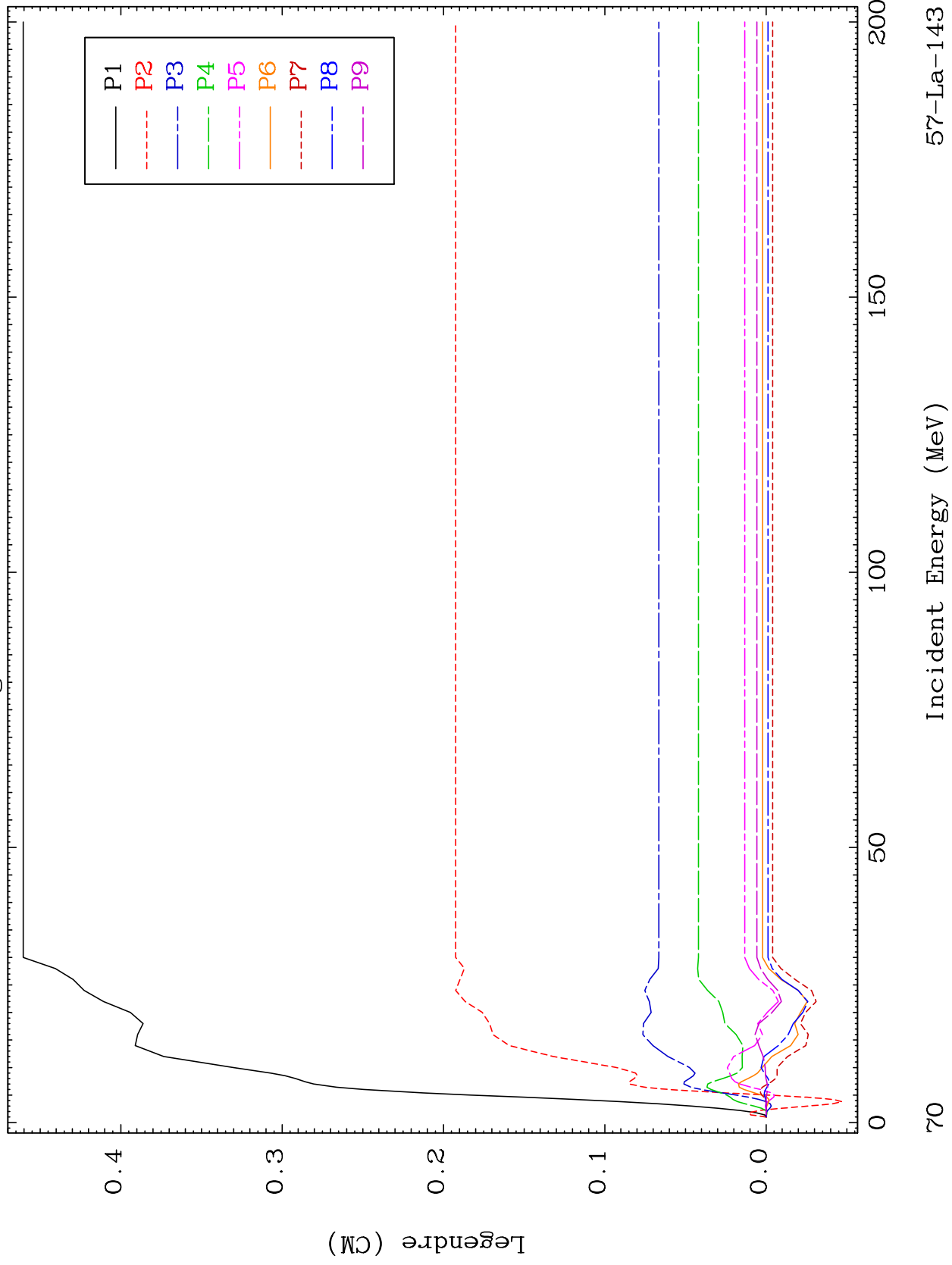




MAT 5740

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

57-La-143



57-La-143

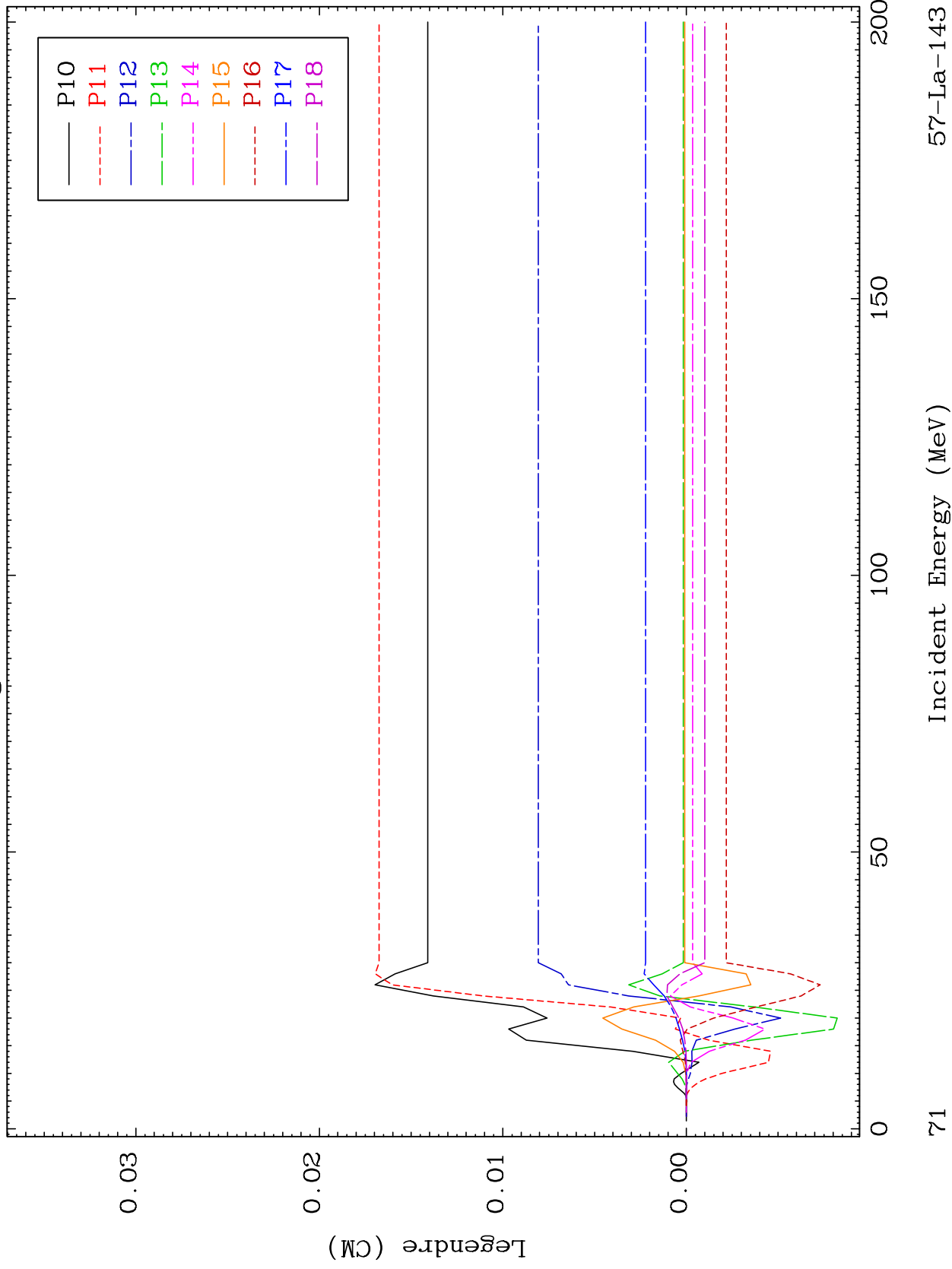
Incident Energy (MeV)

70

MAT 5740

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

57-La-143



57-La-143

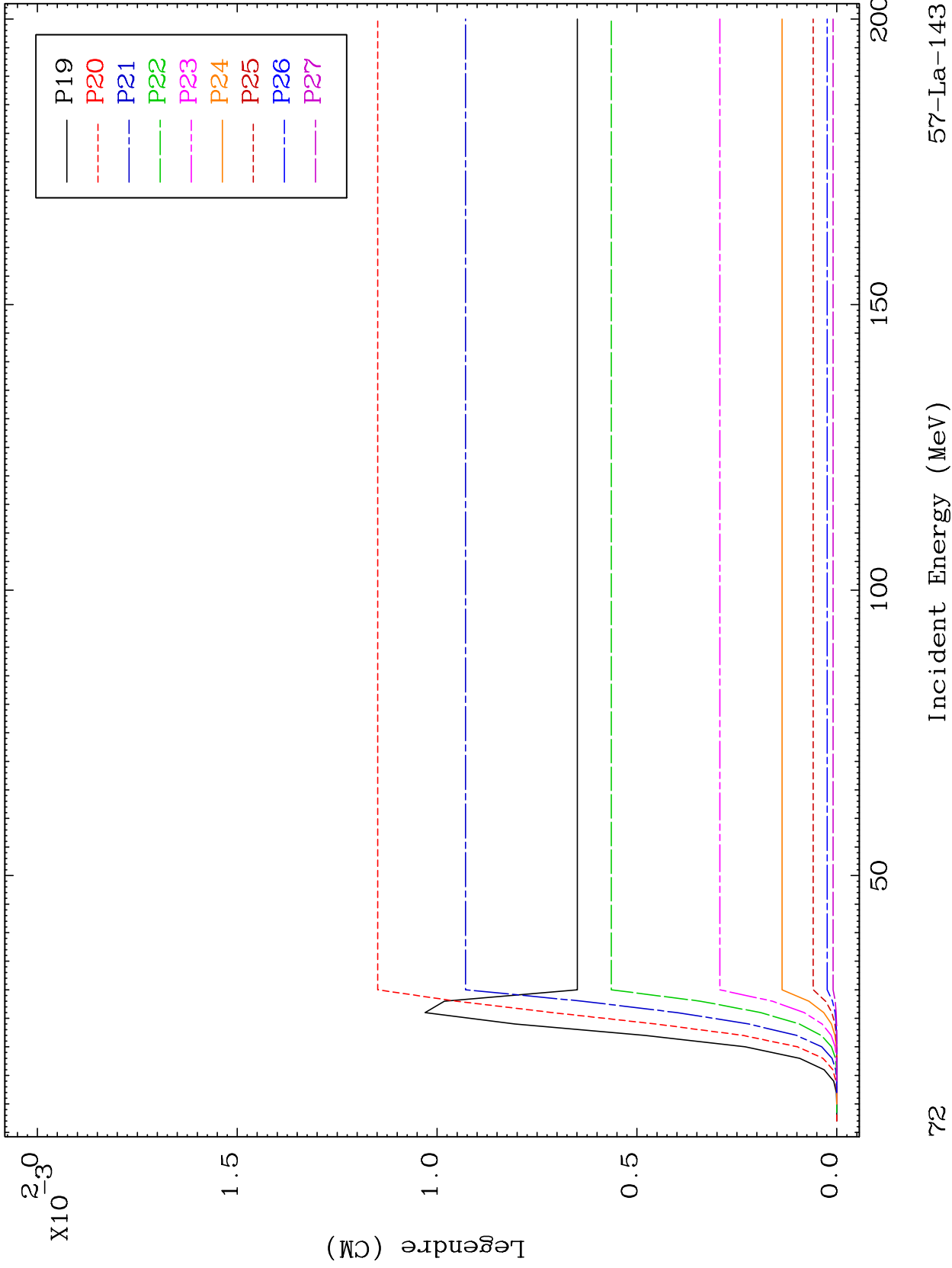
Incident Energy (MeV)

71

MAT 5740

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

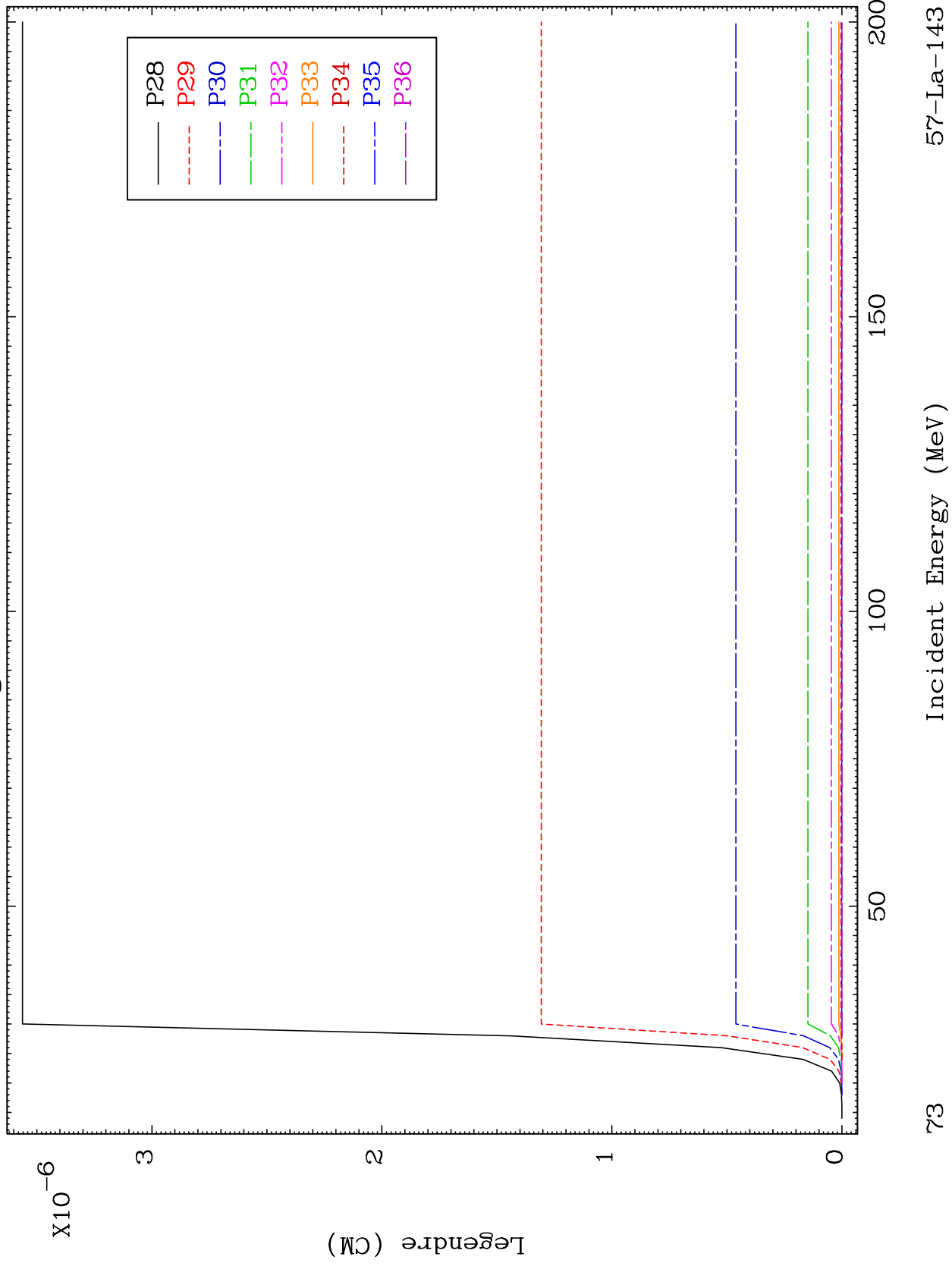
57-La-143



MAT 5740

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

57-La-143



73

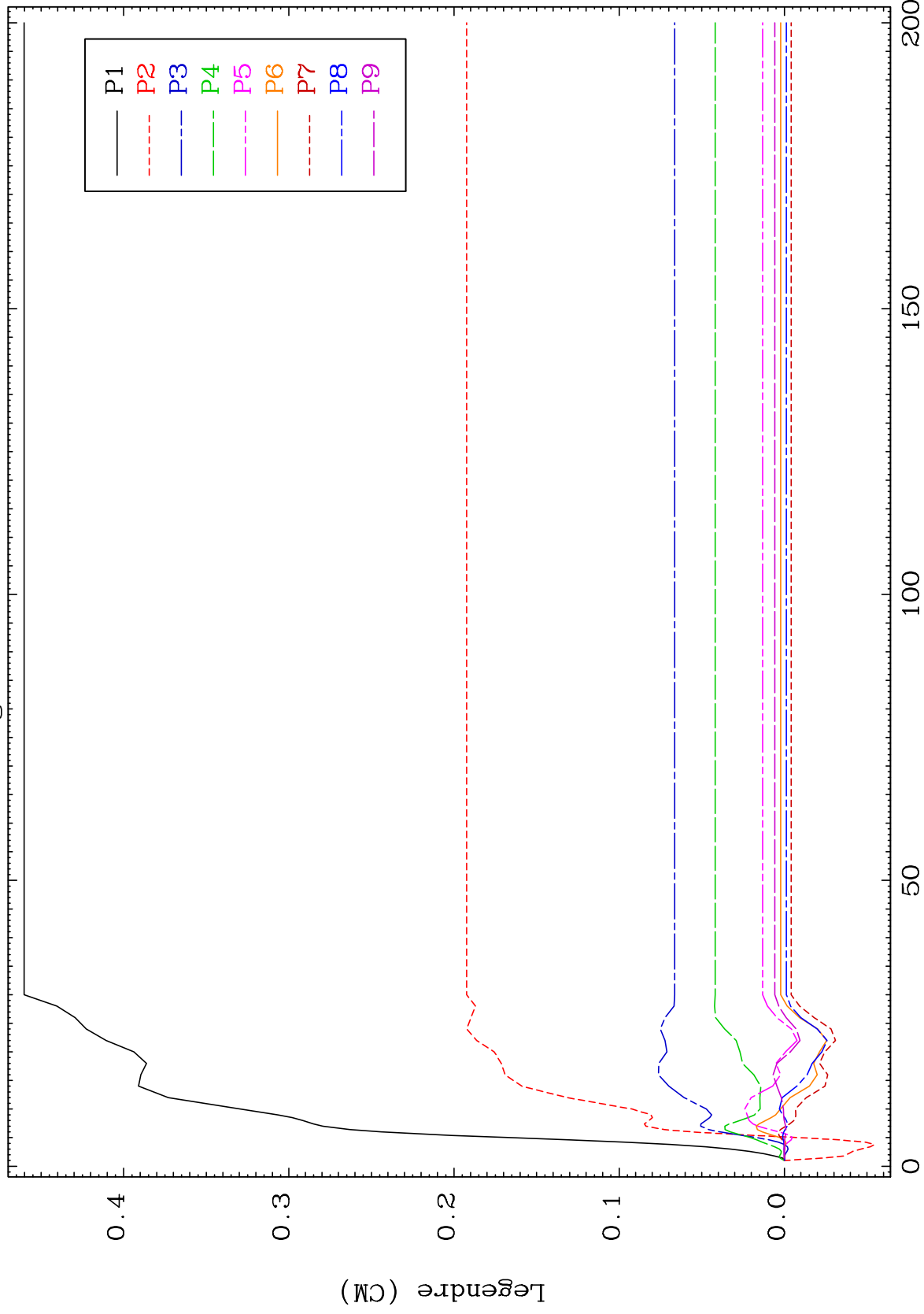
Incident Energy (MeV)

57-La-143

MAT 5740

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

57-La-143



74

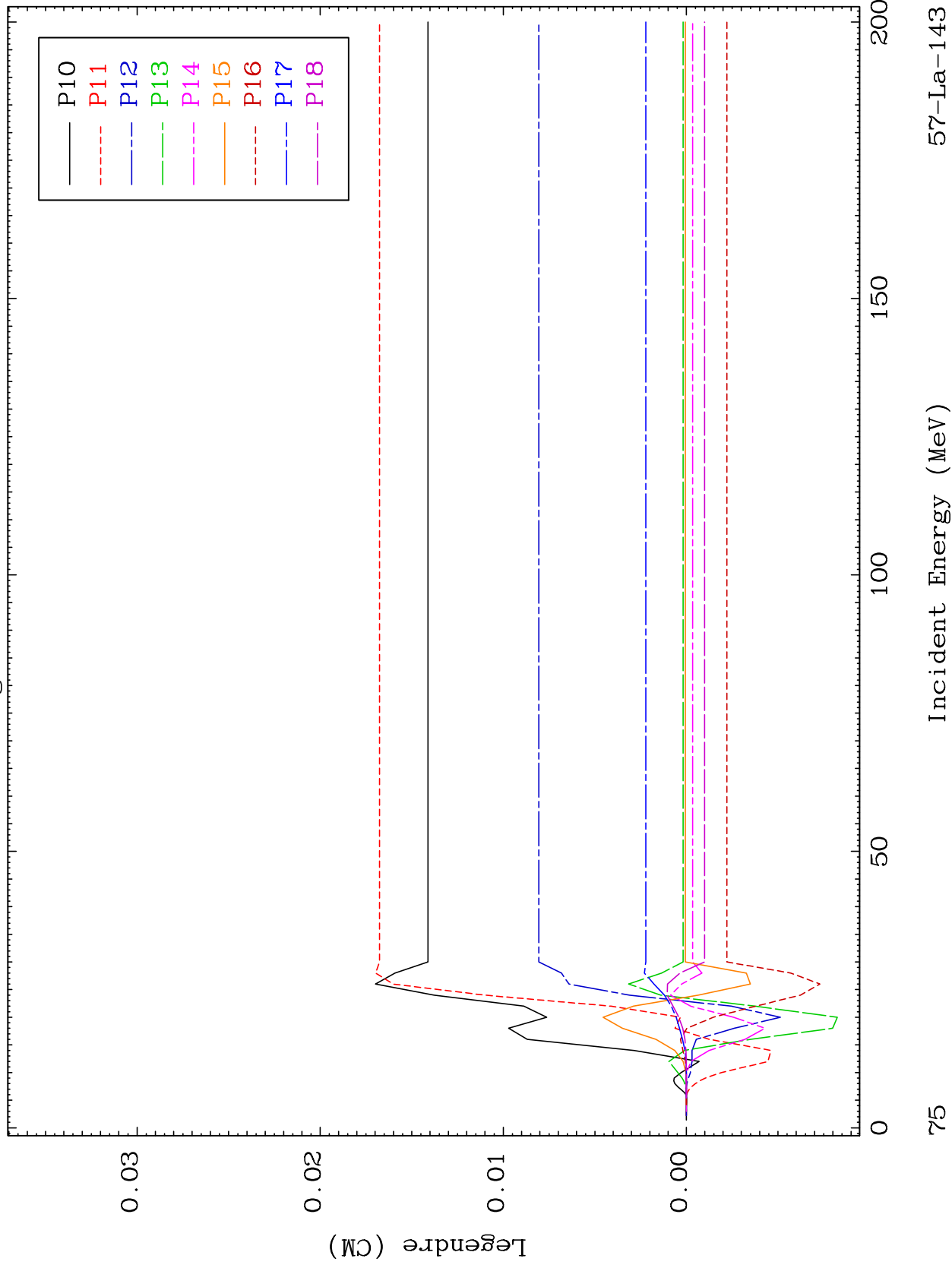
Incident Energy (MeV)

57-La-143

MAT 5740

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

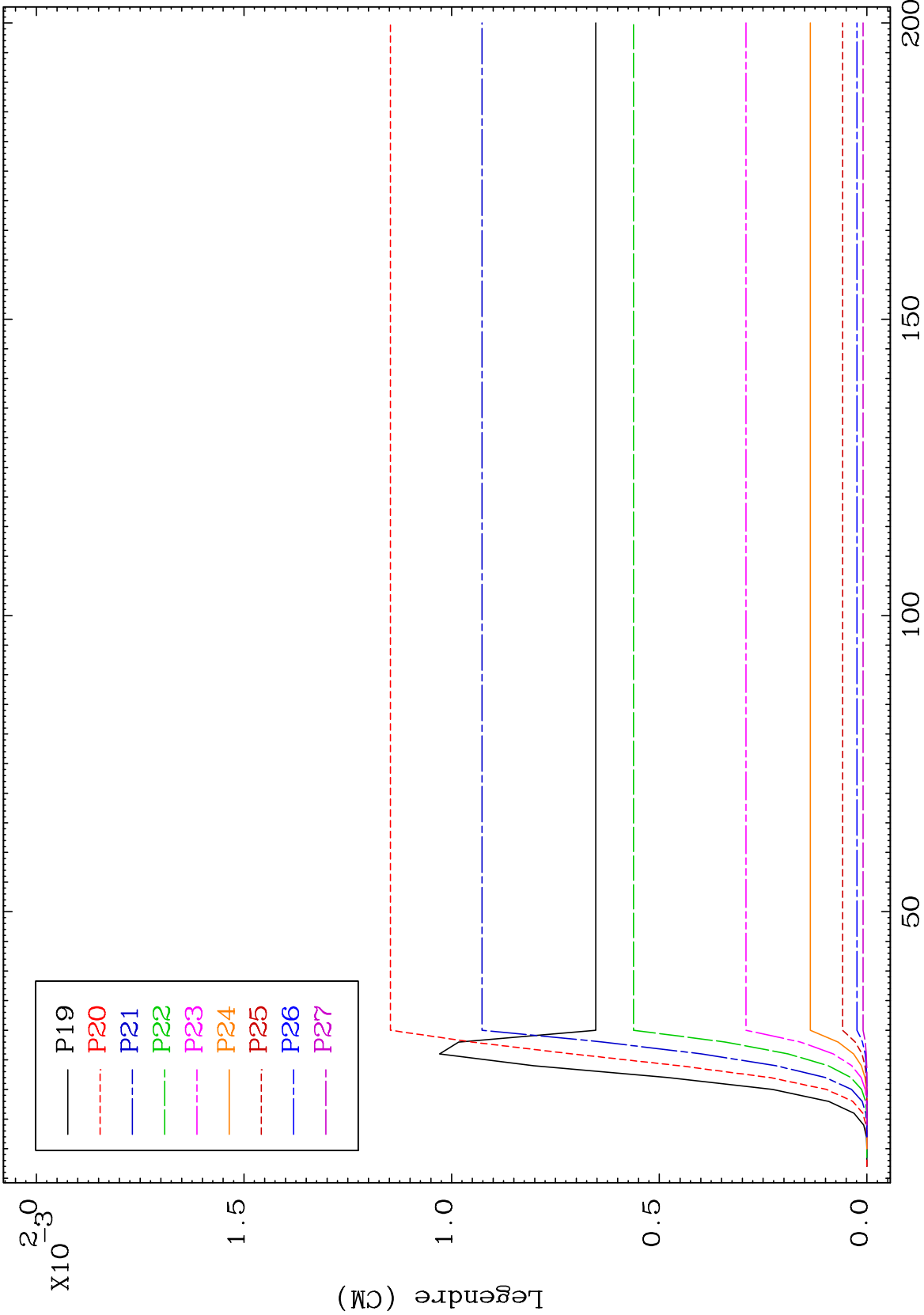
57-La-143



57-La-143

Incident Energy (MeV)

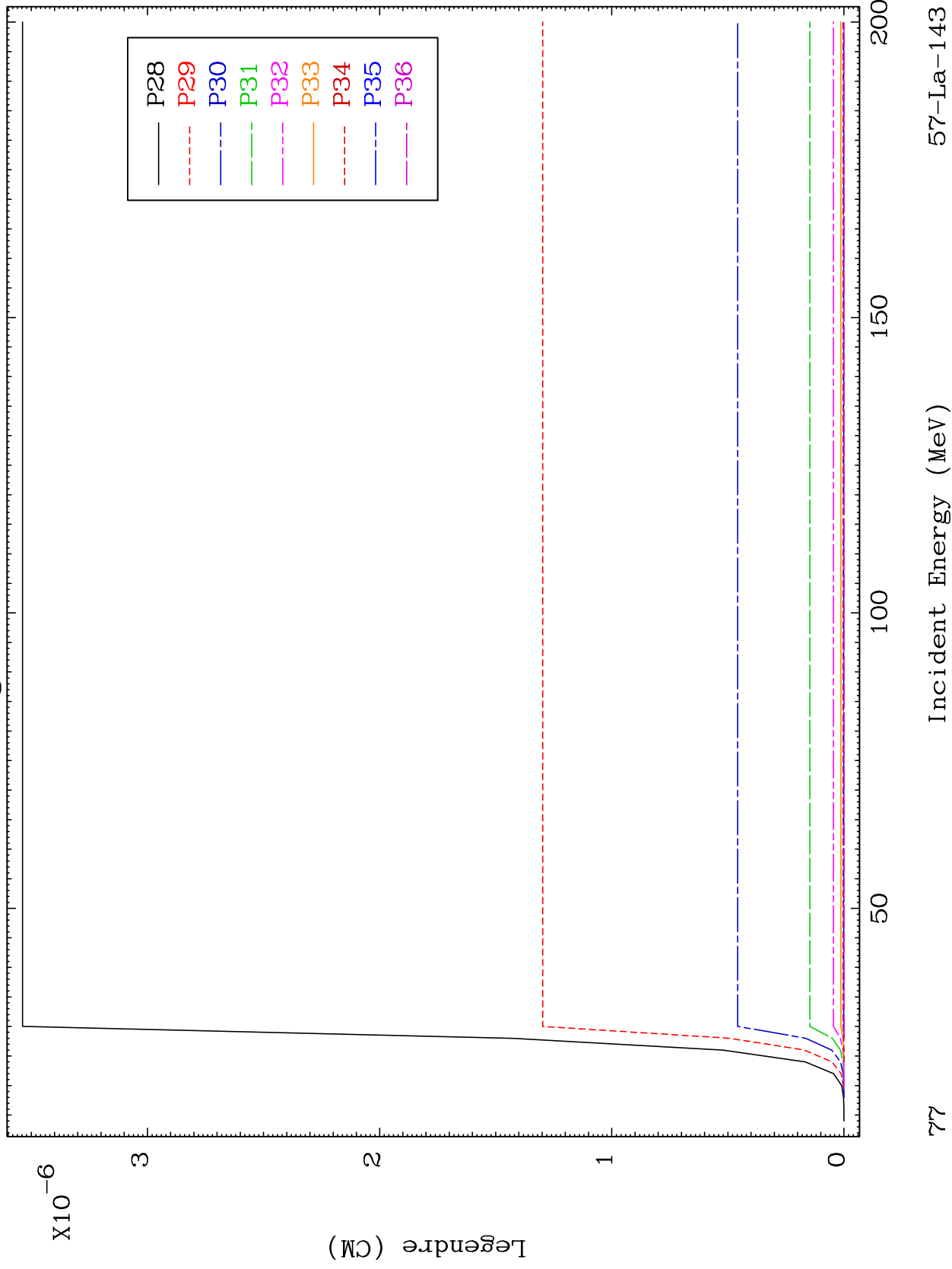
75



MAT 5740

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

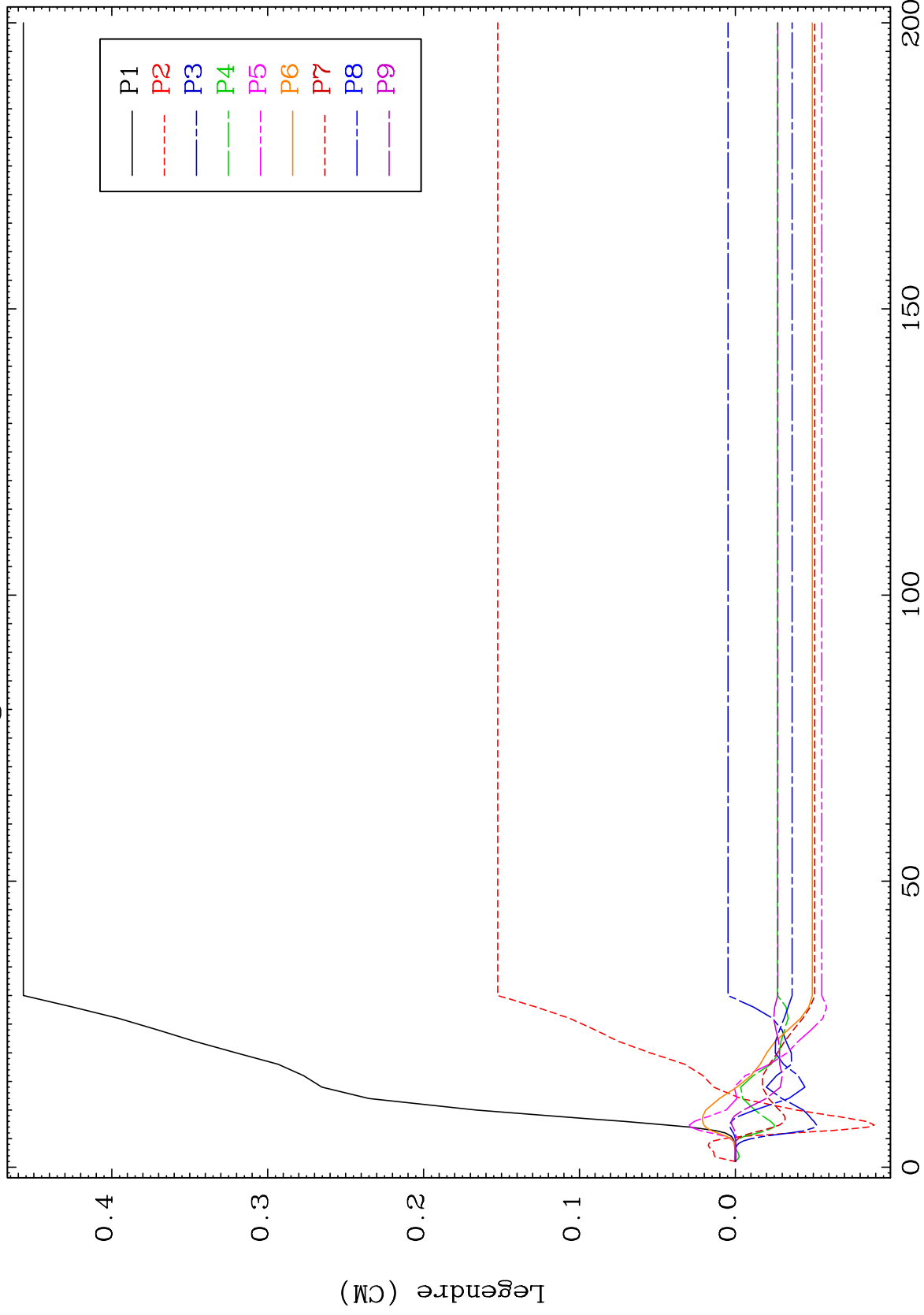
57-La-143



MAT 5740

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

57-La-143



78

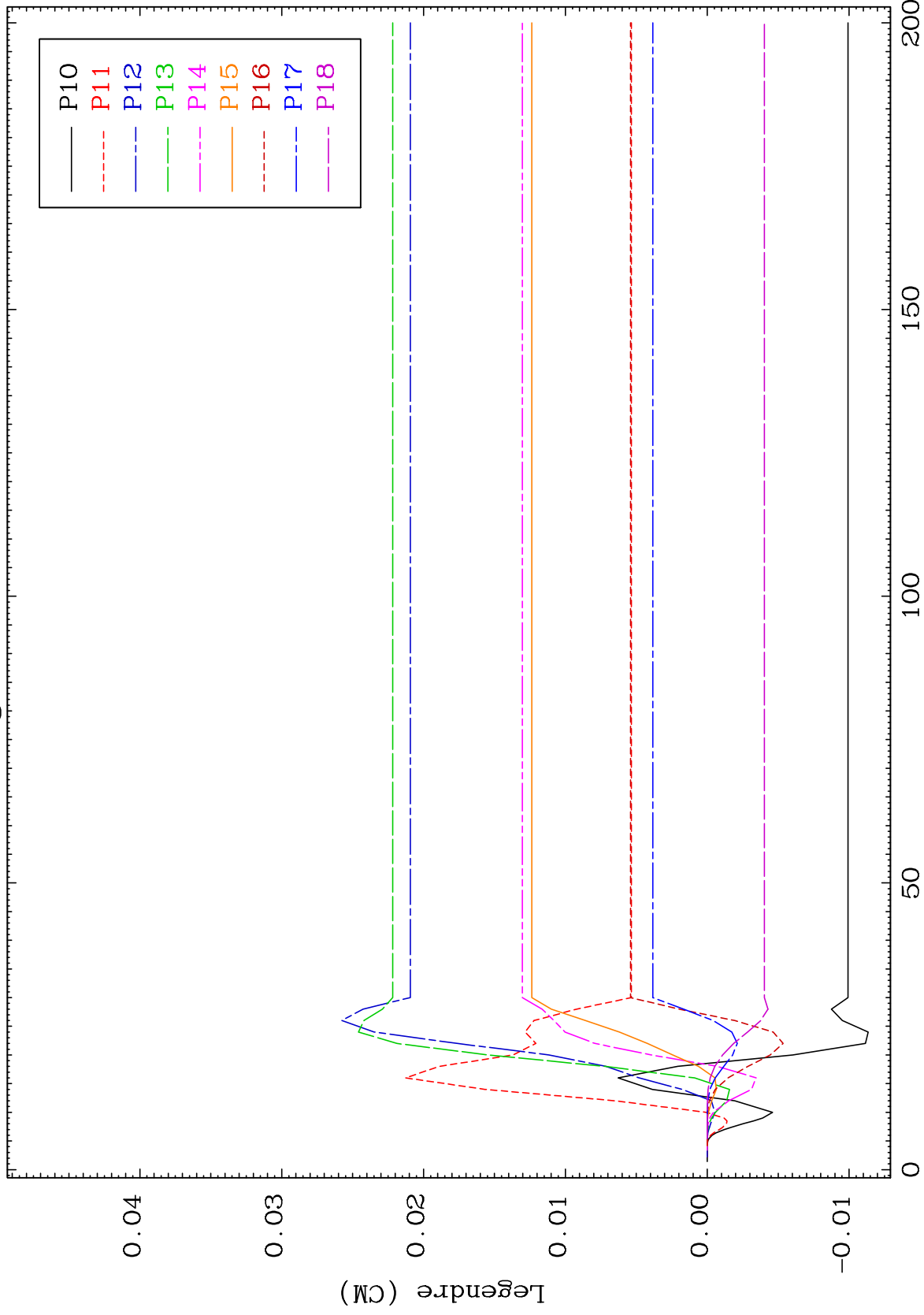
Incident Energy (MeV)

57-La-143

MAT 5740

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

57-La-143



79

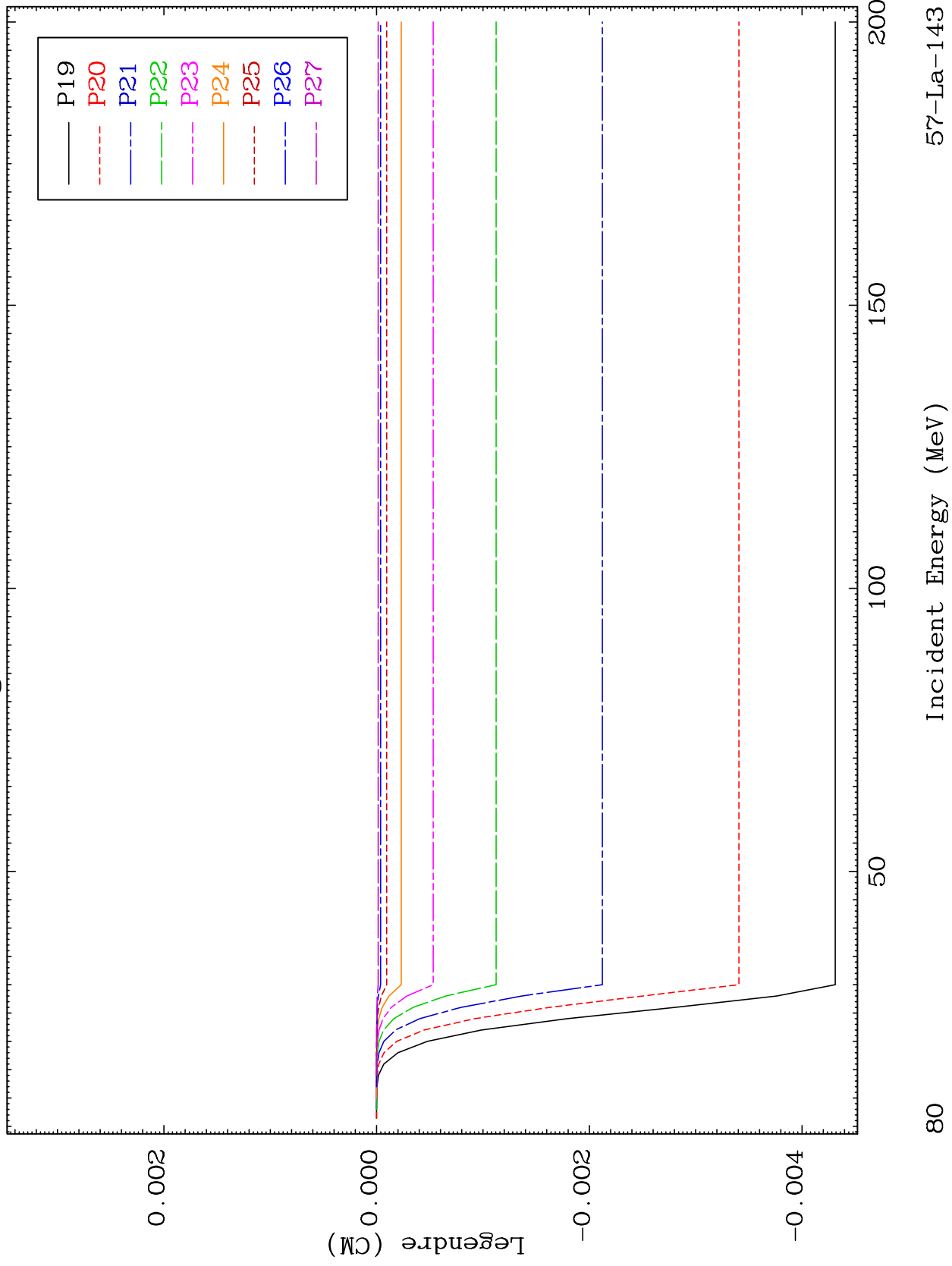
Incident Energy (MeV)

57-La-143

MAT 5740

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

57-La-143



57-La-143

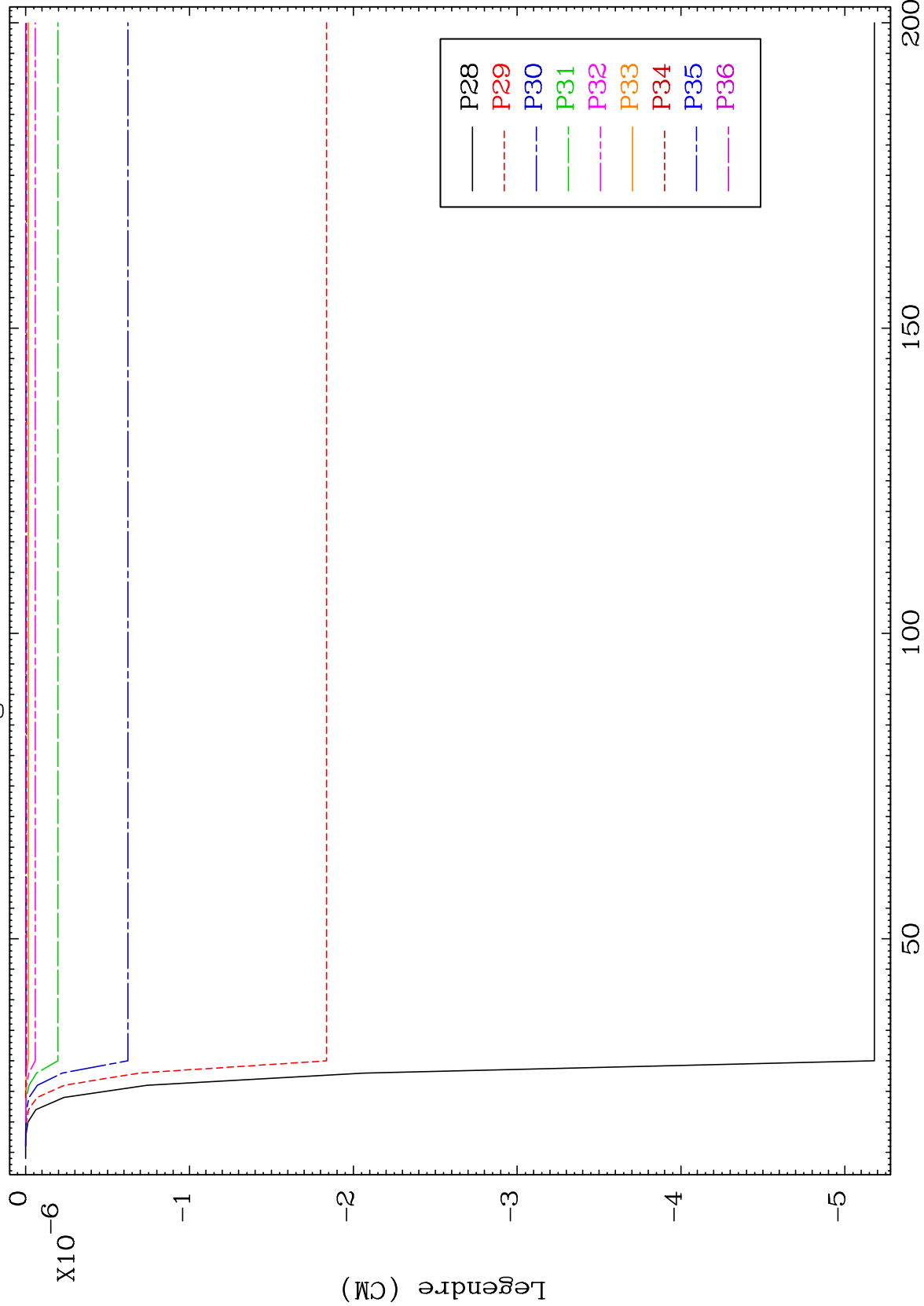
Incident Energy (MeV)

80

MAT 5740

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

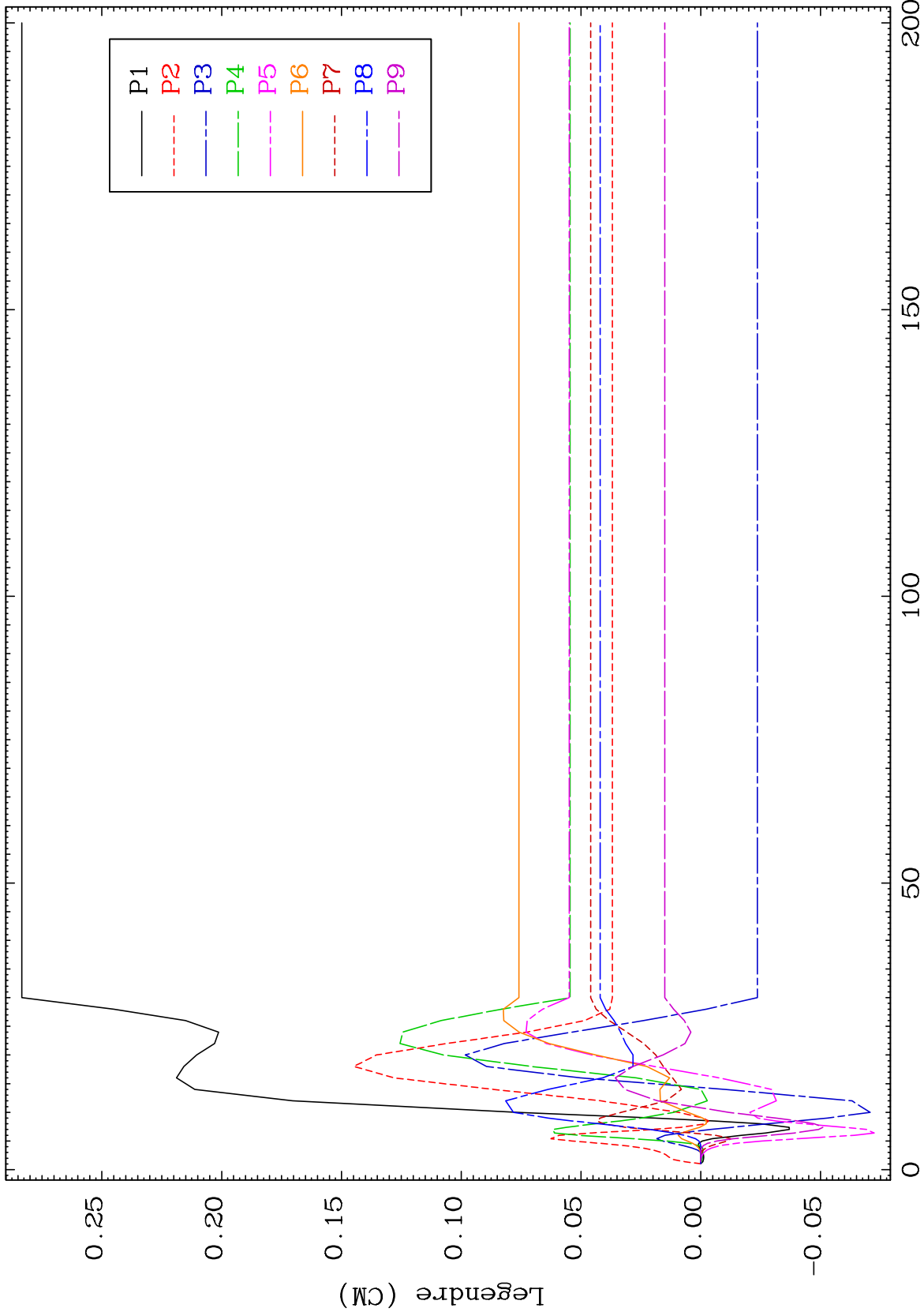
57-La-143



MAT 5740

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

57-La-143



57-La-143

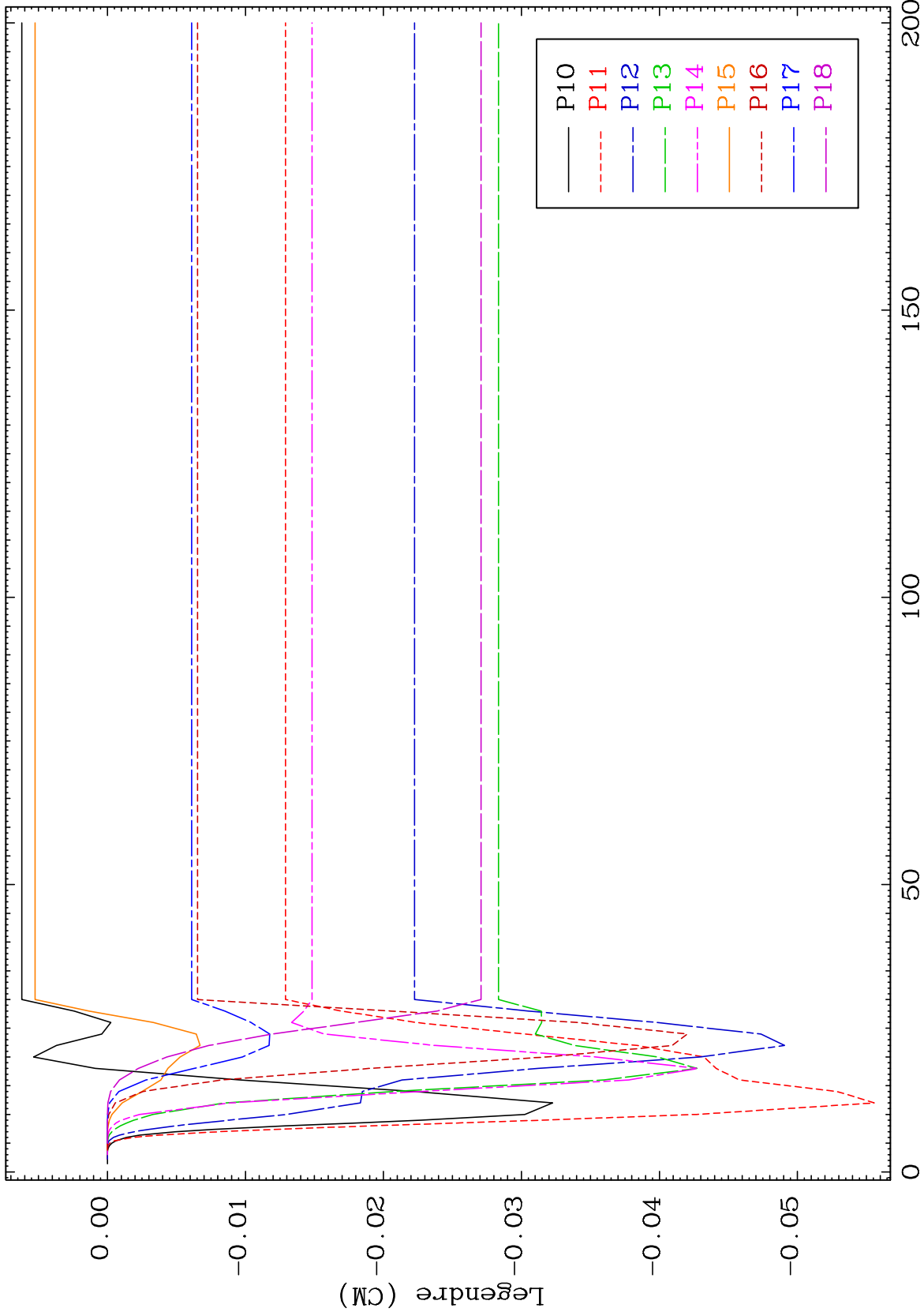
Incident Energy (MeV)

82

MAT 5740

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

57-La-143



83

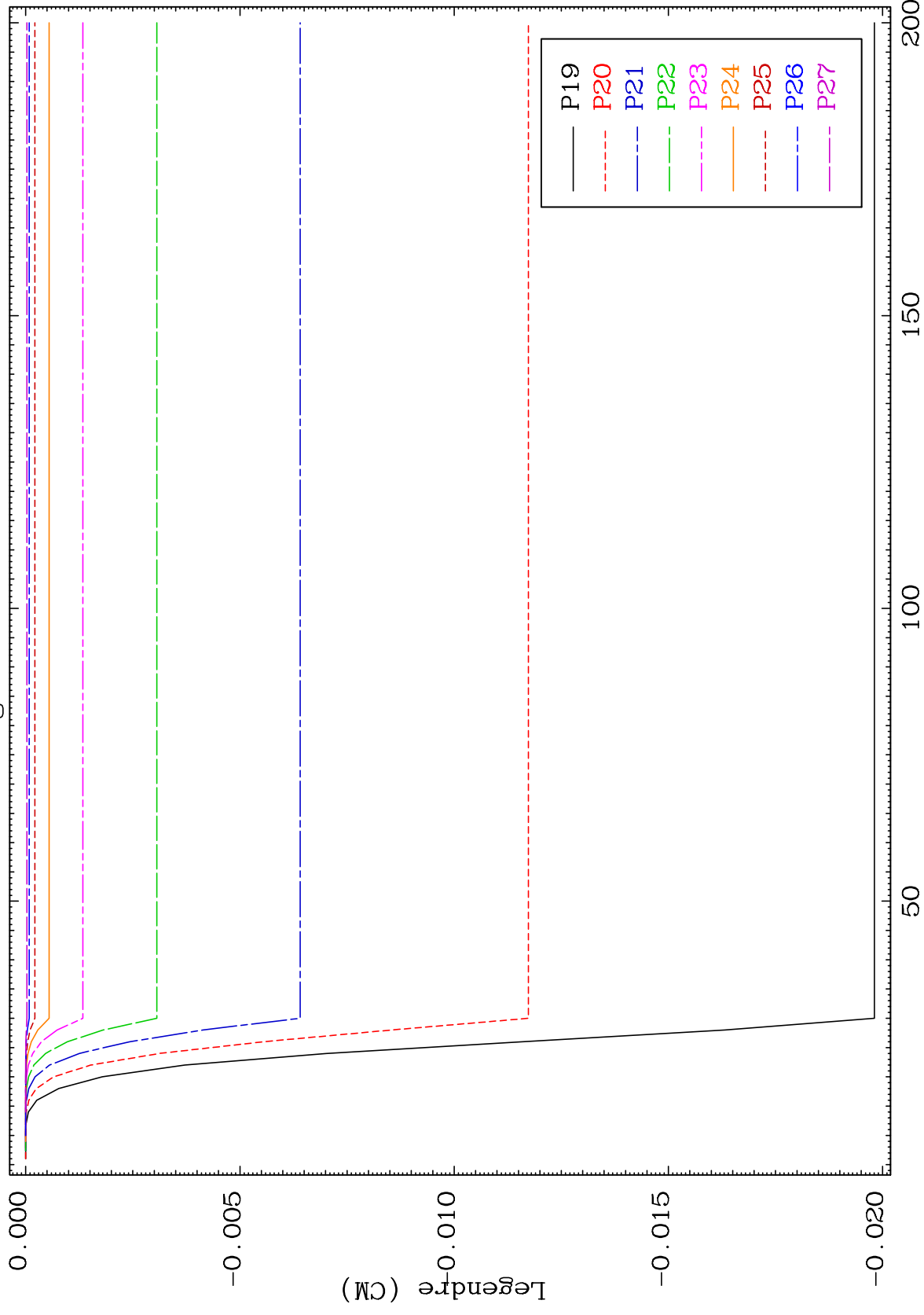
Incident Energy (MeV)

57-La-143

MAT 5740

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

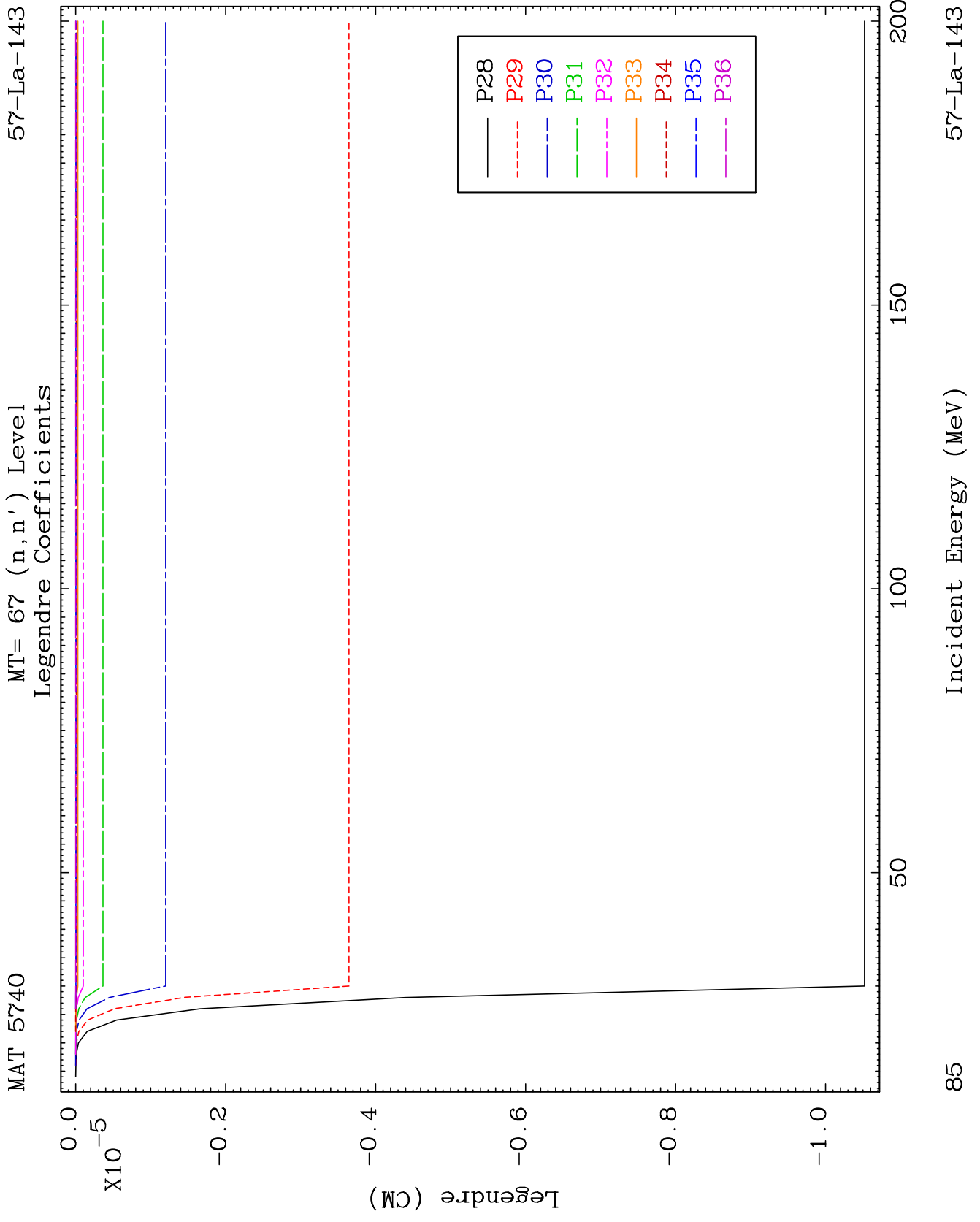
57-La-143



84

Incident Energy (MeV)

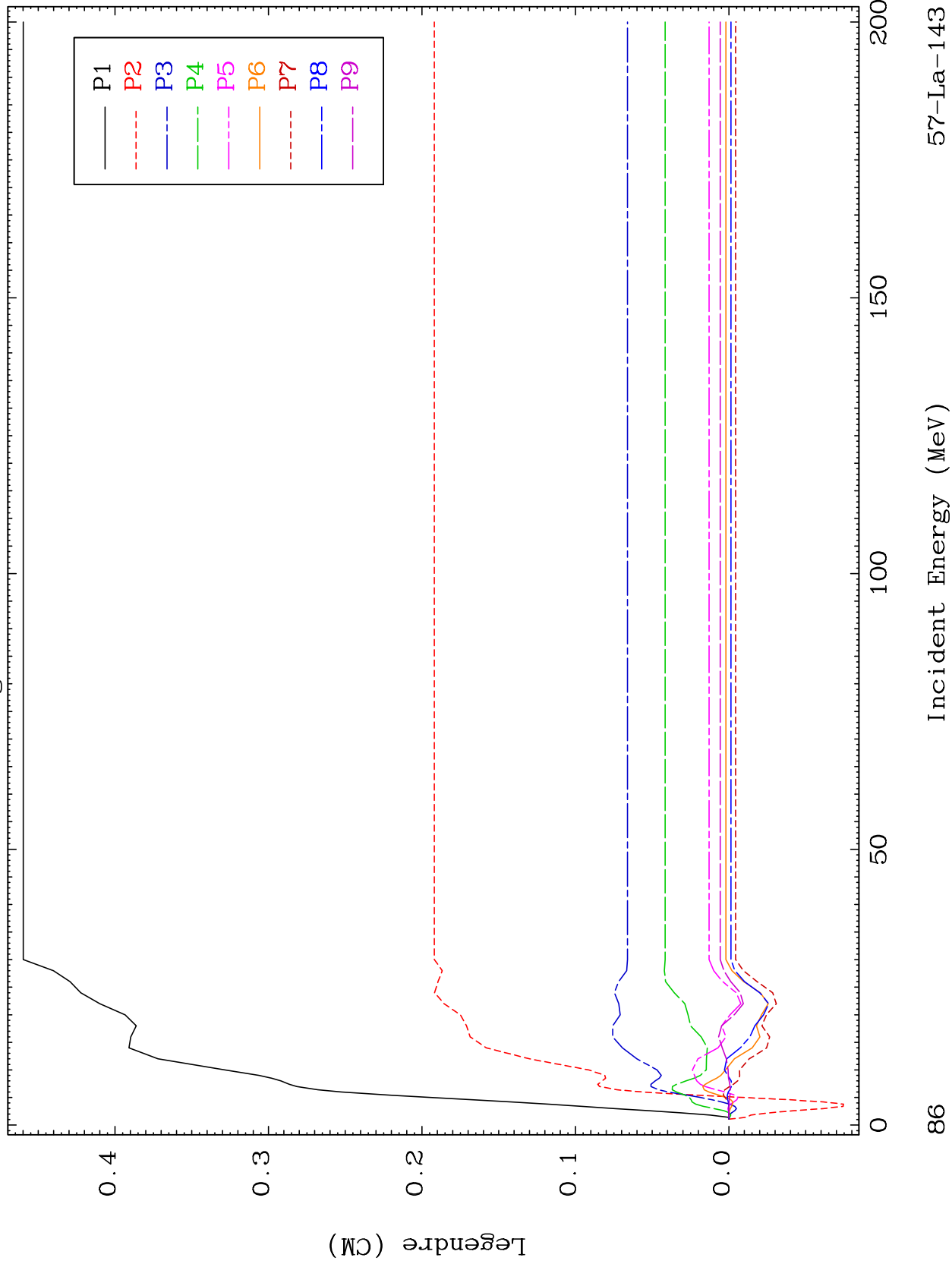
57-La-143



MAT 5740

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

57-La-143



57-La-143

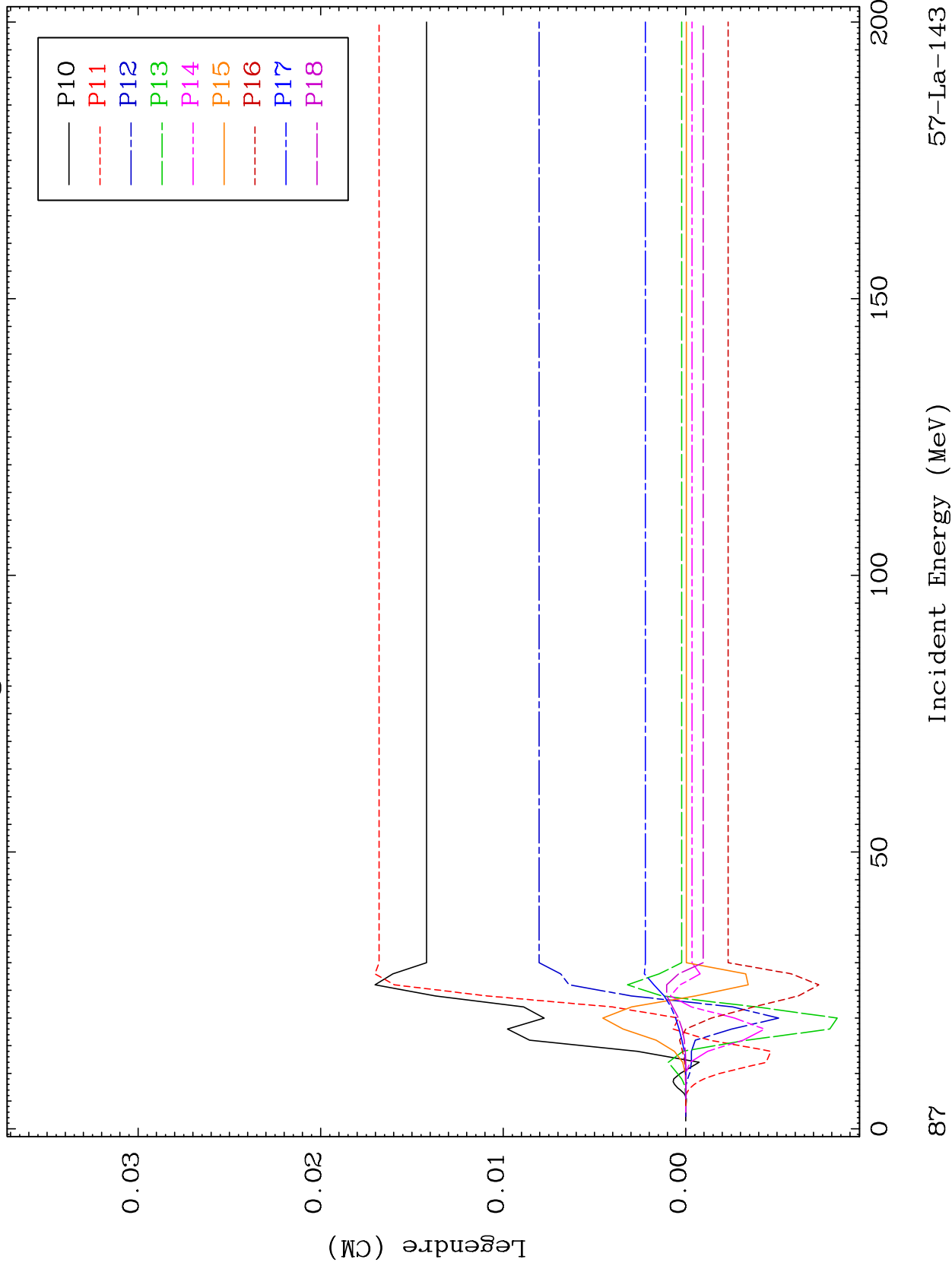
Incident Energy (MeV)

86

MAT 5740

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

57-La-143



57-La-143

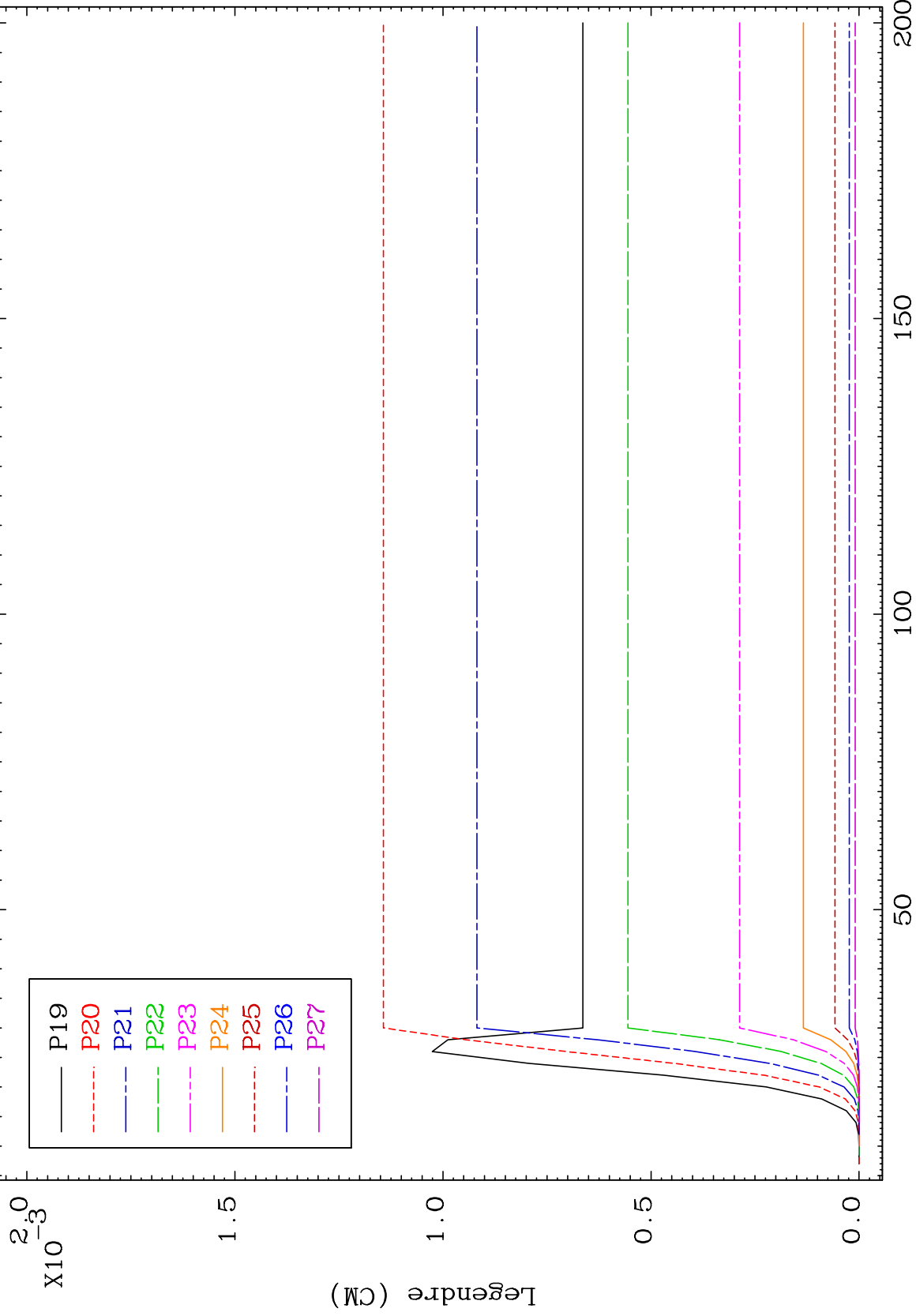
Incident Energy (MeV)

87

MAT 5740

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

57-La-143



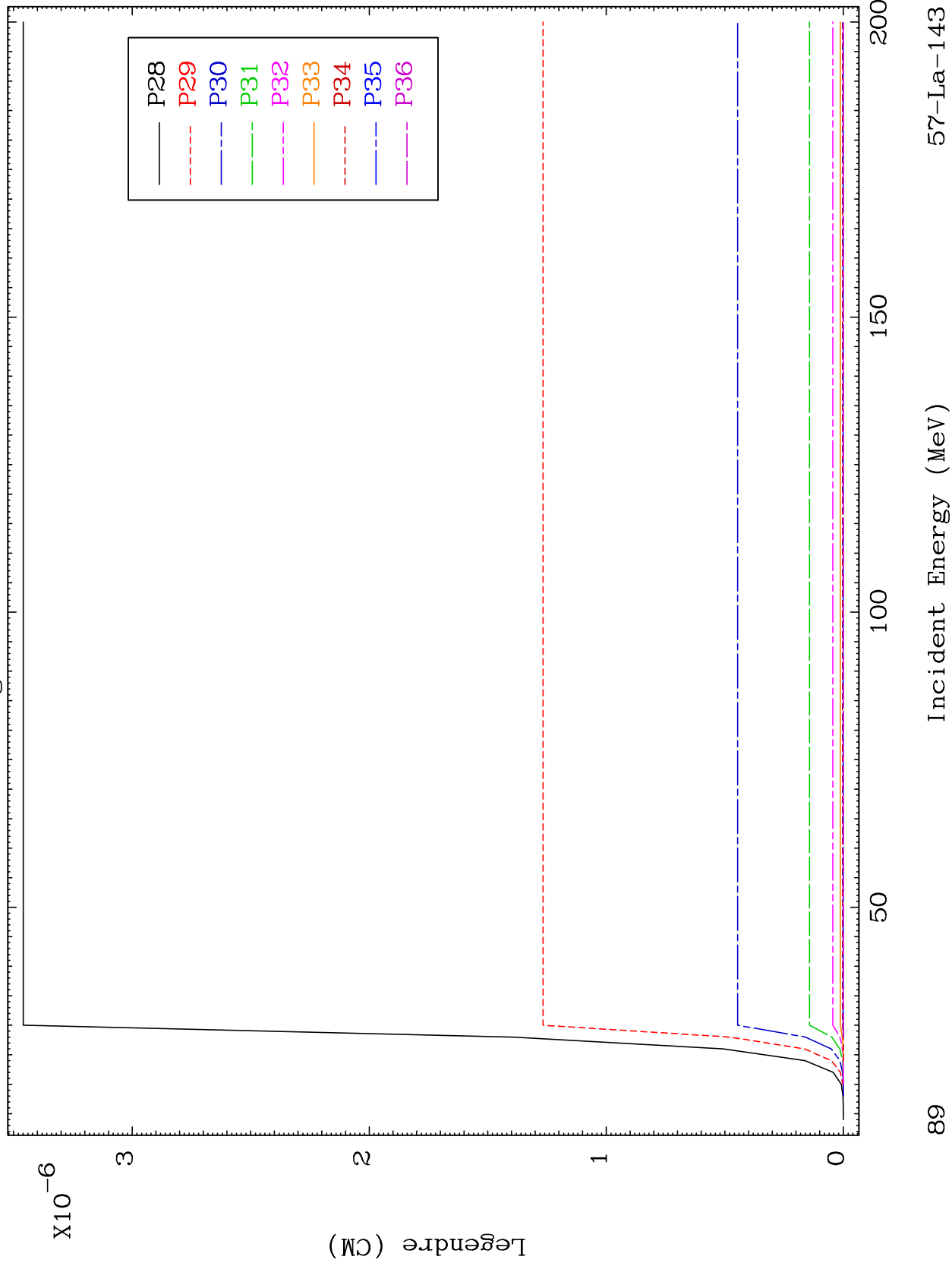
88

57-La-143

MAT 5740

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

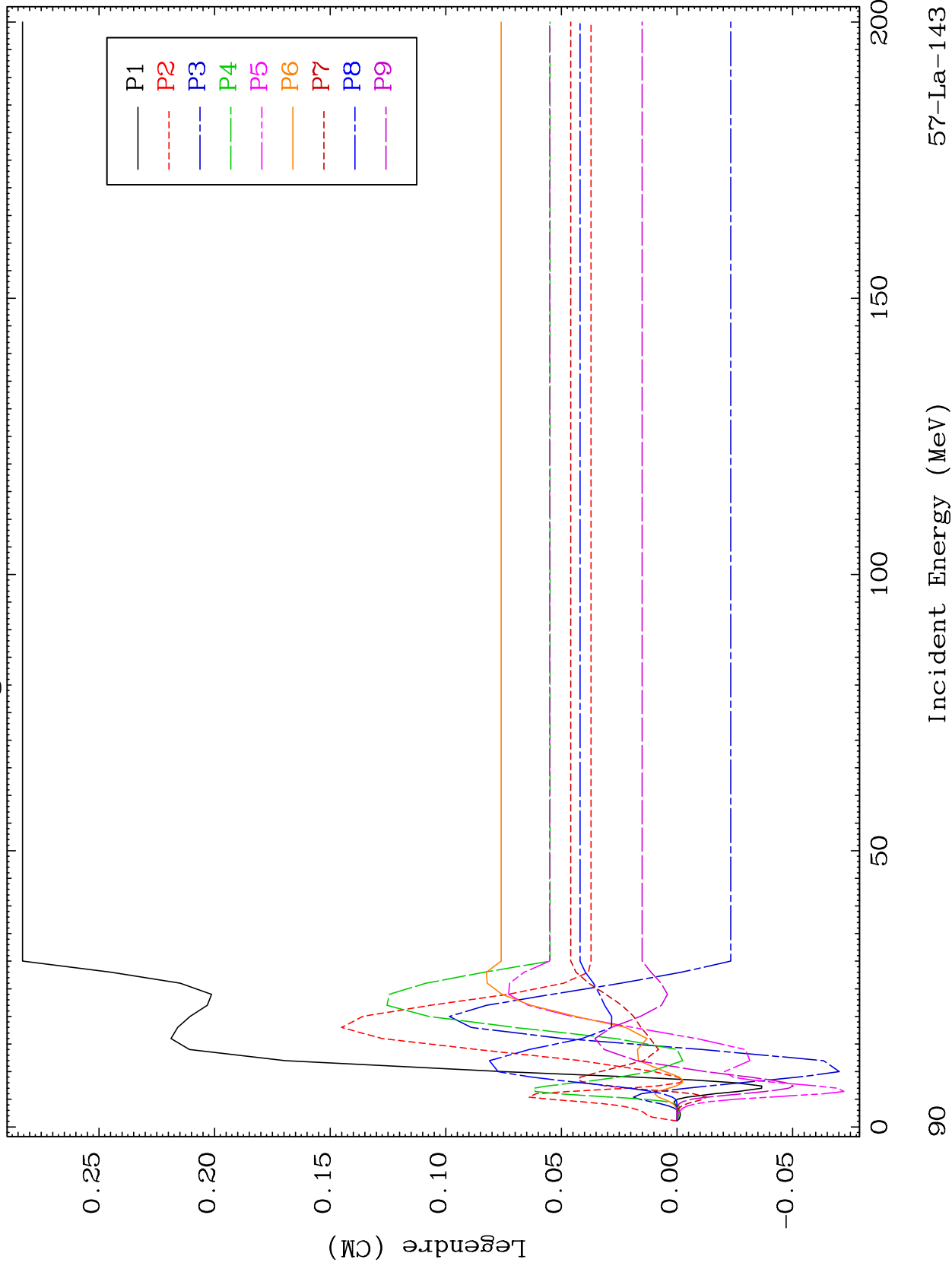
57-La-143



MAT 5740

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

57-La-143



57-La-143

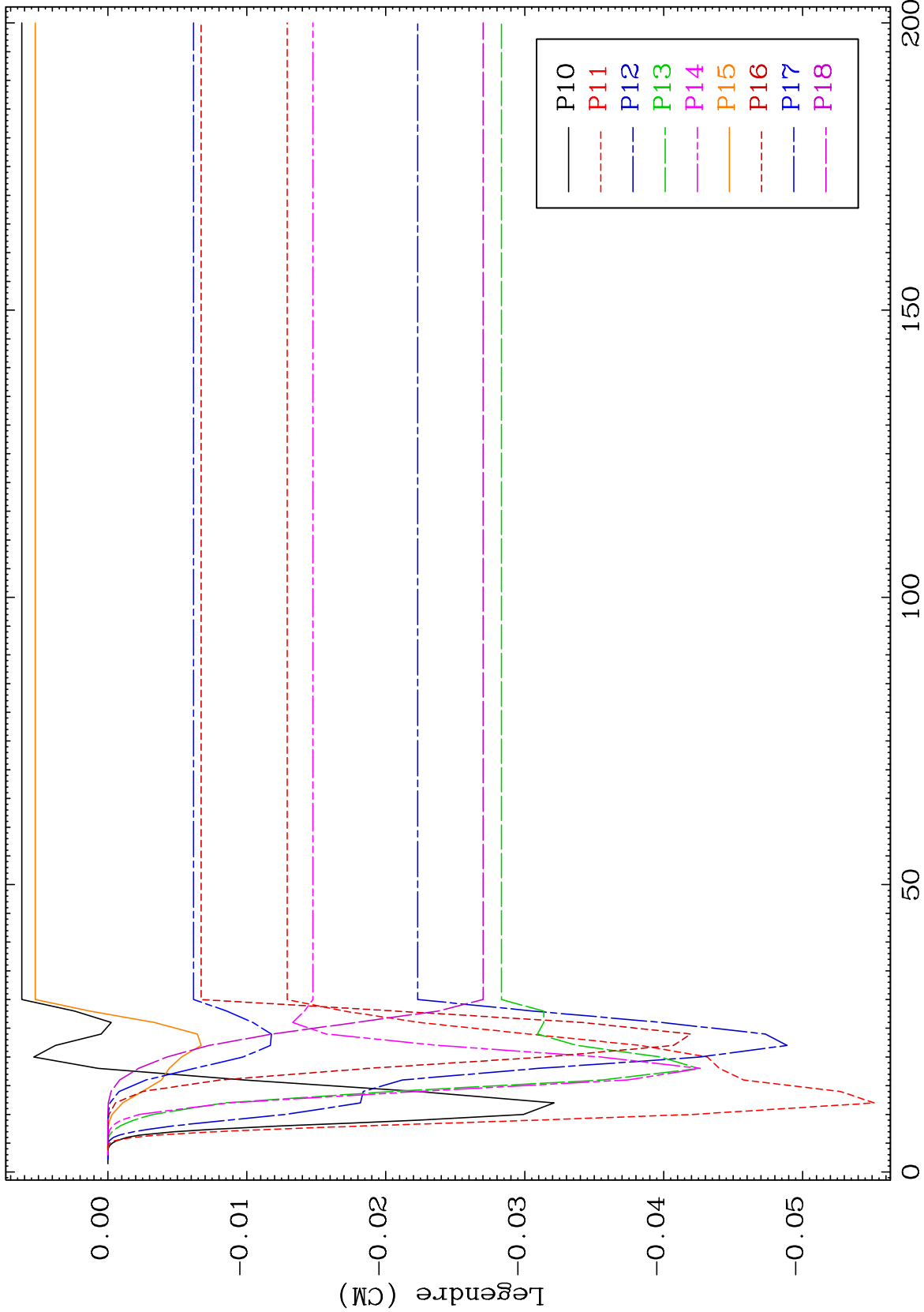
Incident Energy (MeV)

90

MAT 5740

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

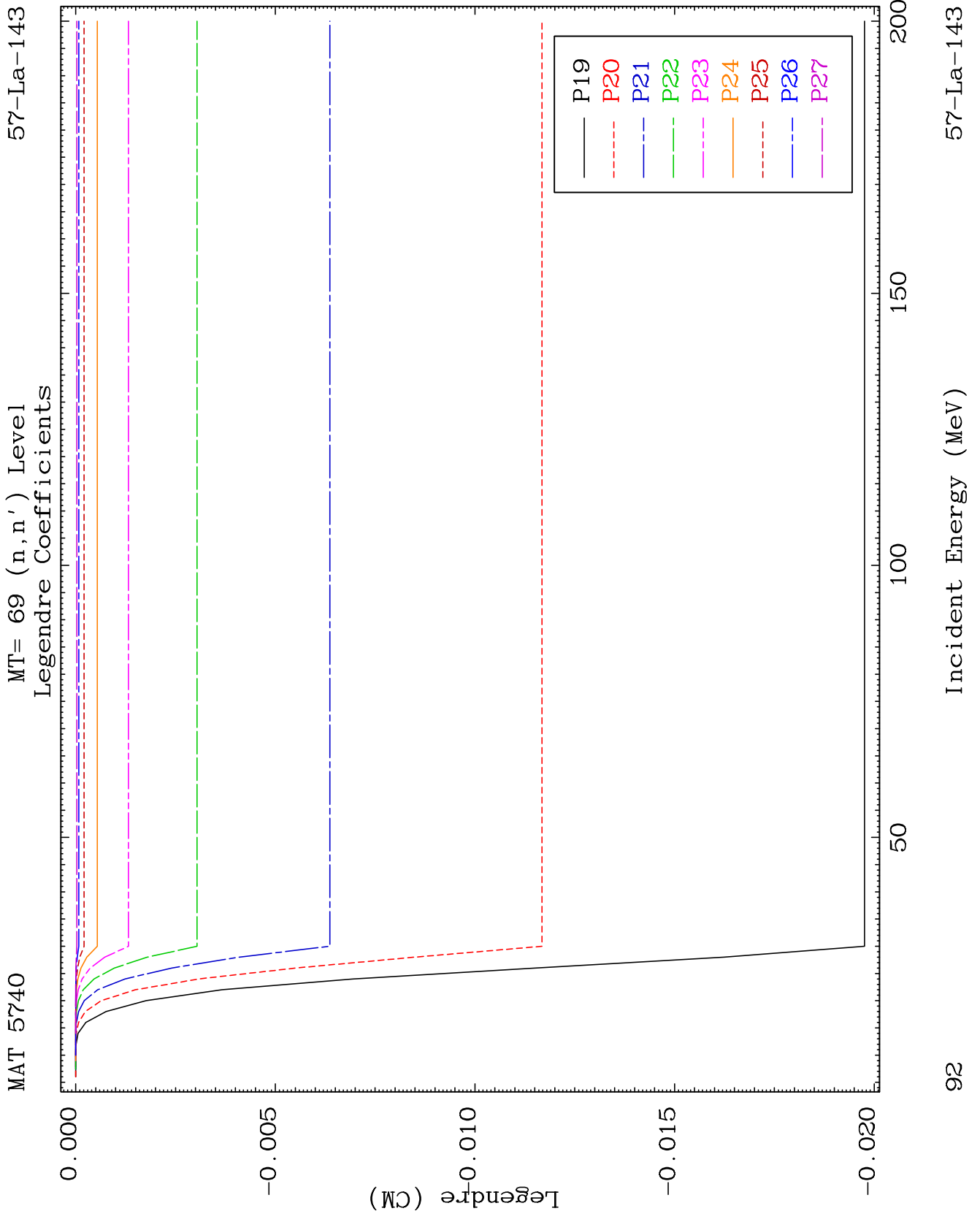
57-La-143

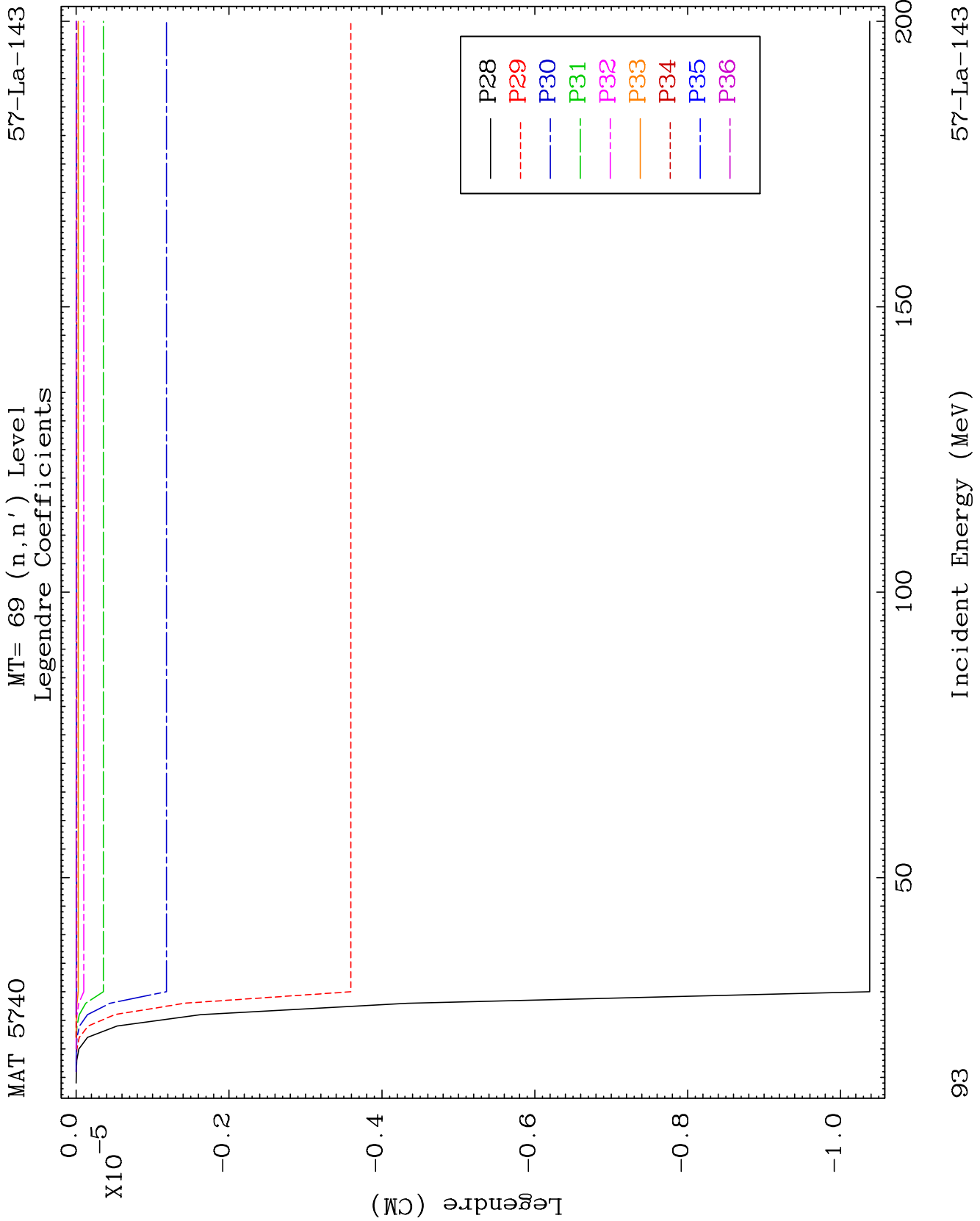


91

Incident Energy (MeV)

57-La-143

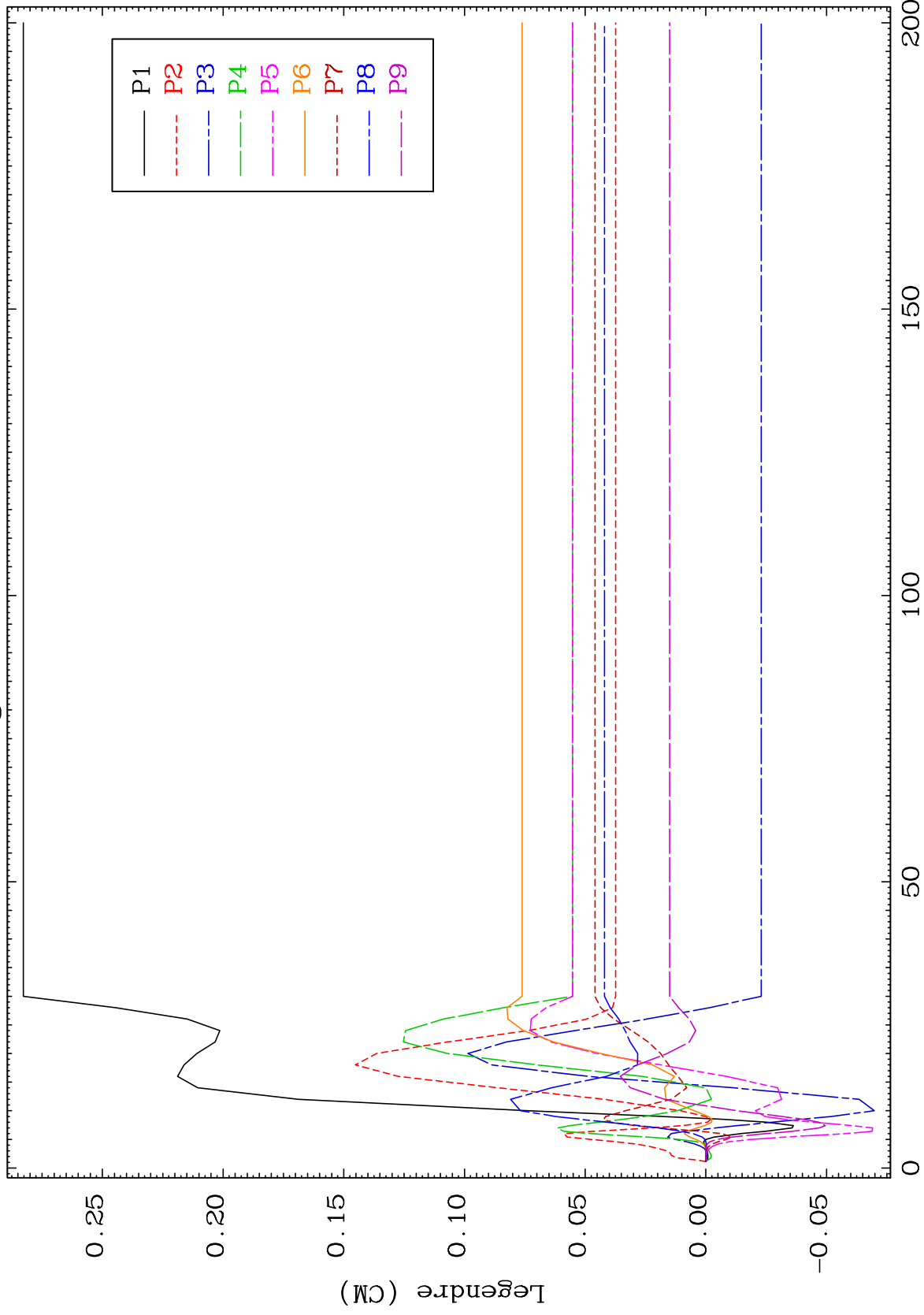




MAT 5740

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

57-La-143



94

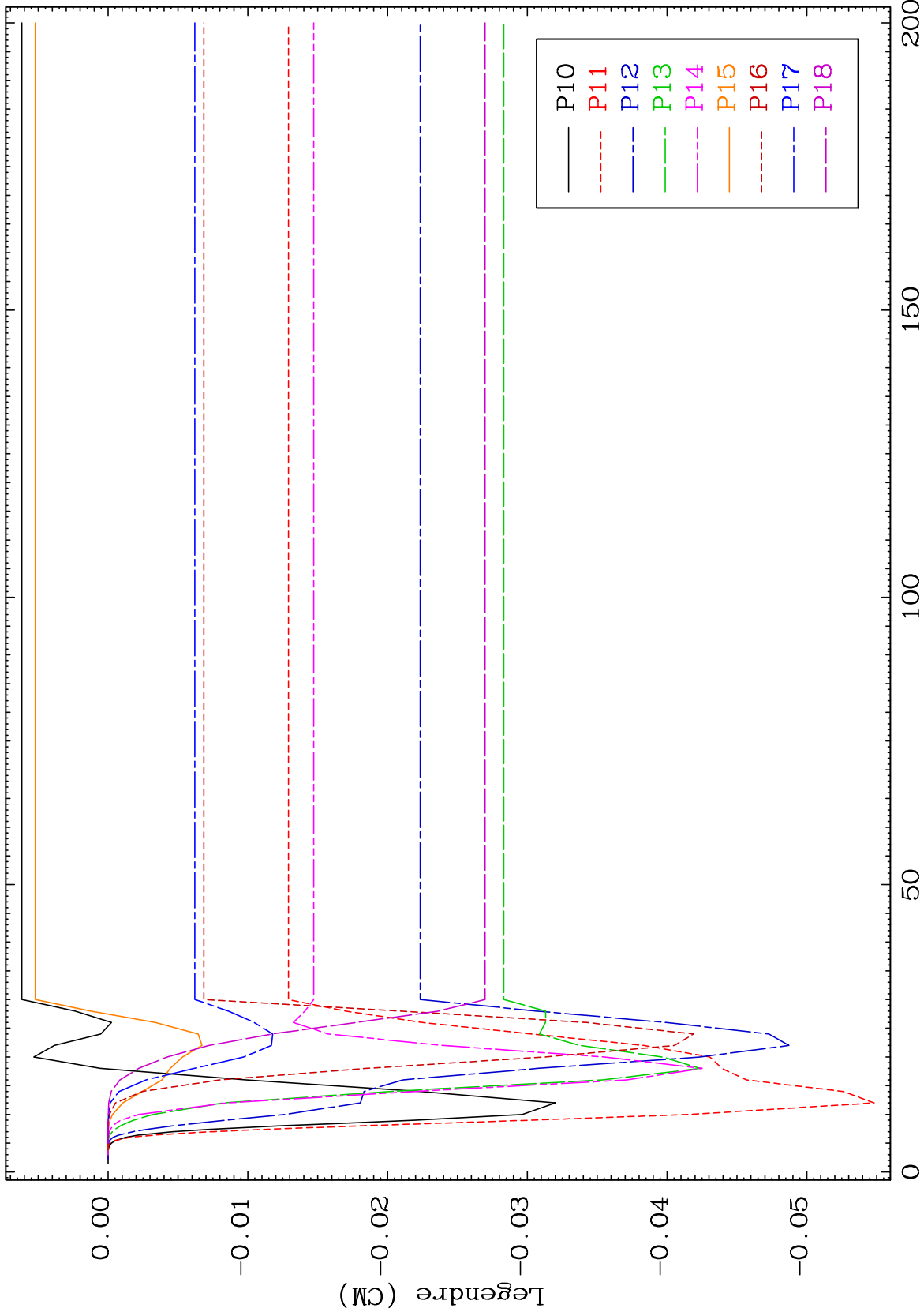
Incident Energy (MeV)

57-La-143

MAT 5740

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

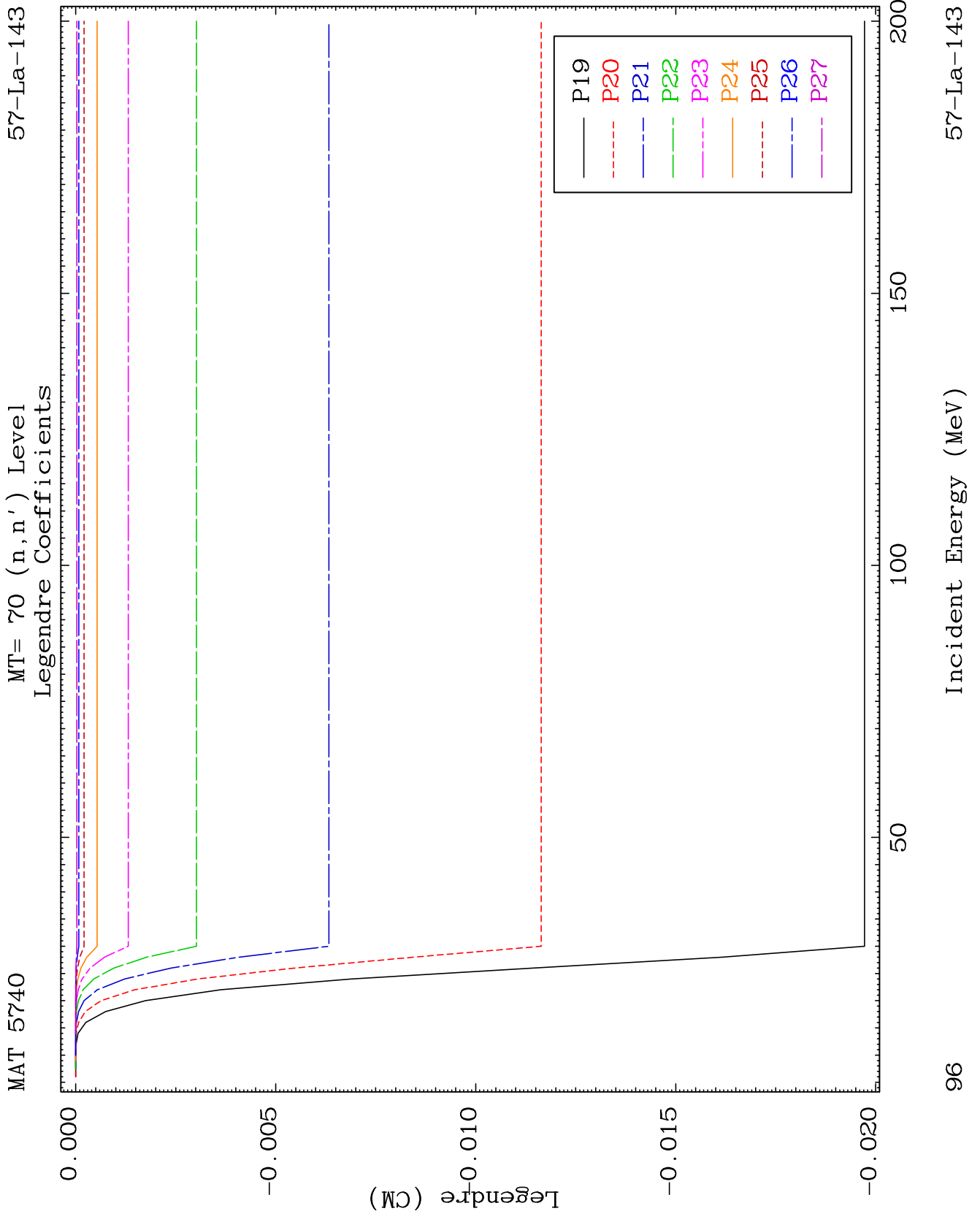
57-La-143

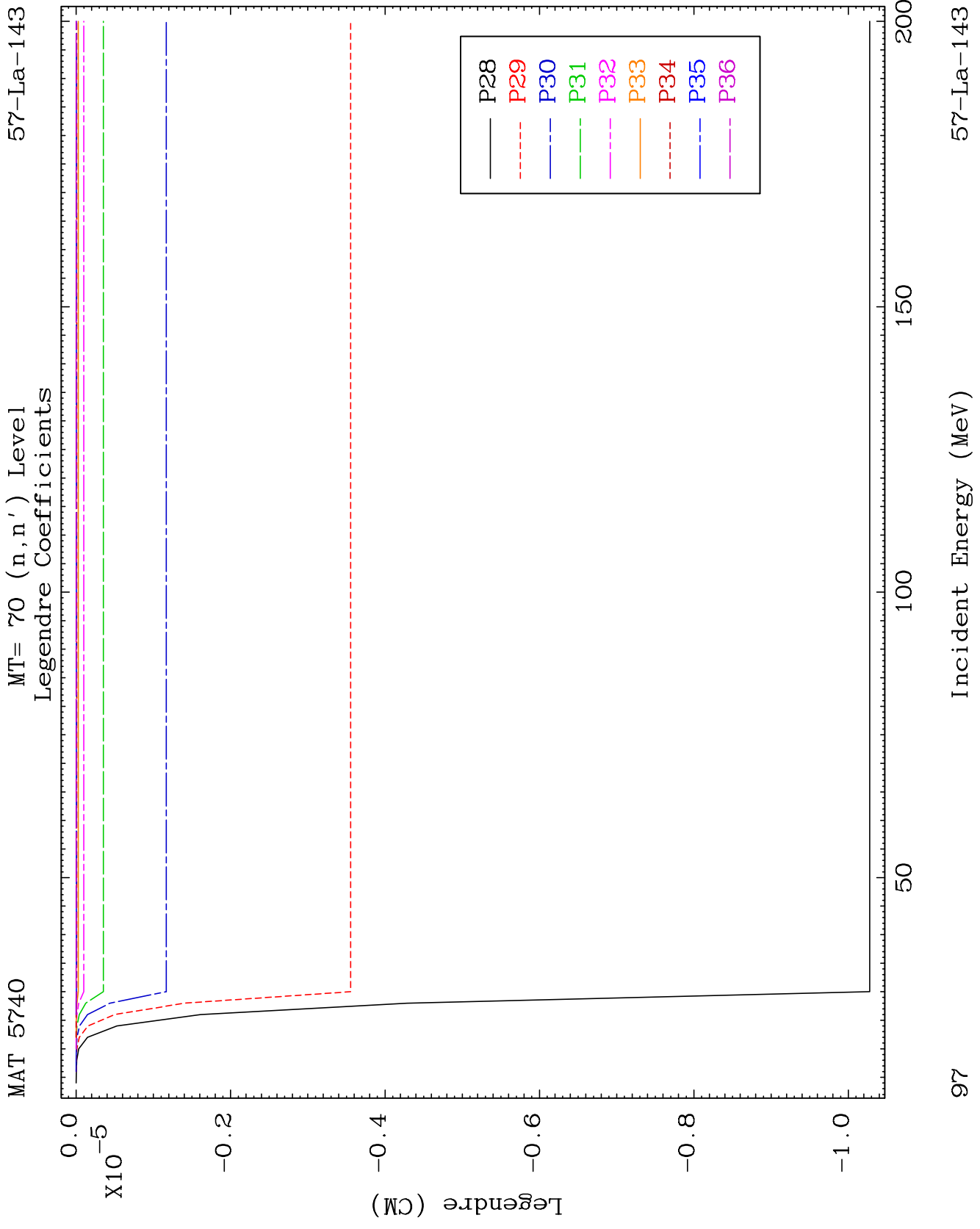


95

Incident Energy (MeV)

57-La-143

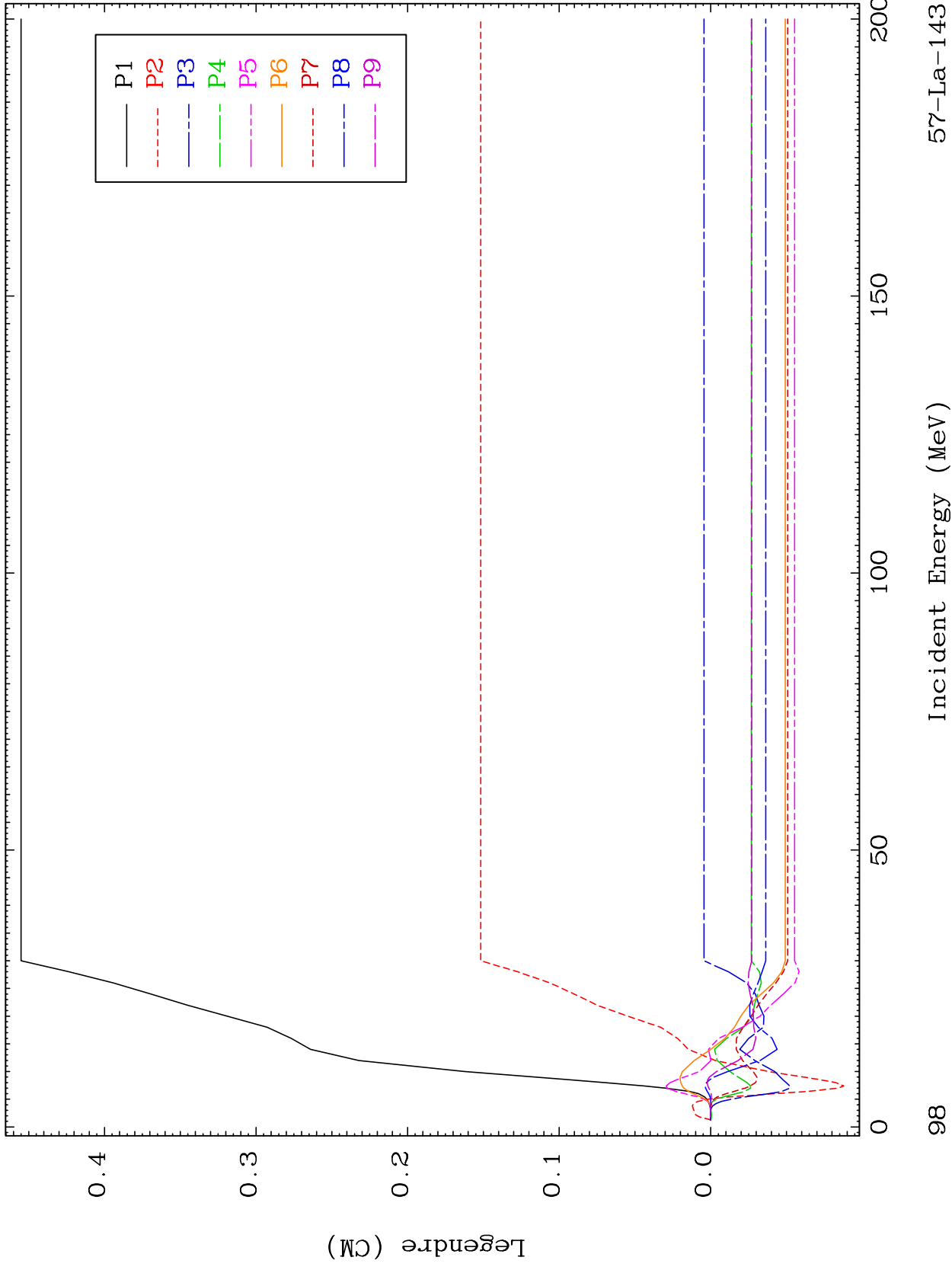




MAT 5740

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

57-La-143



57-La-143

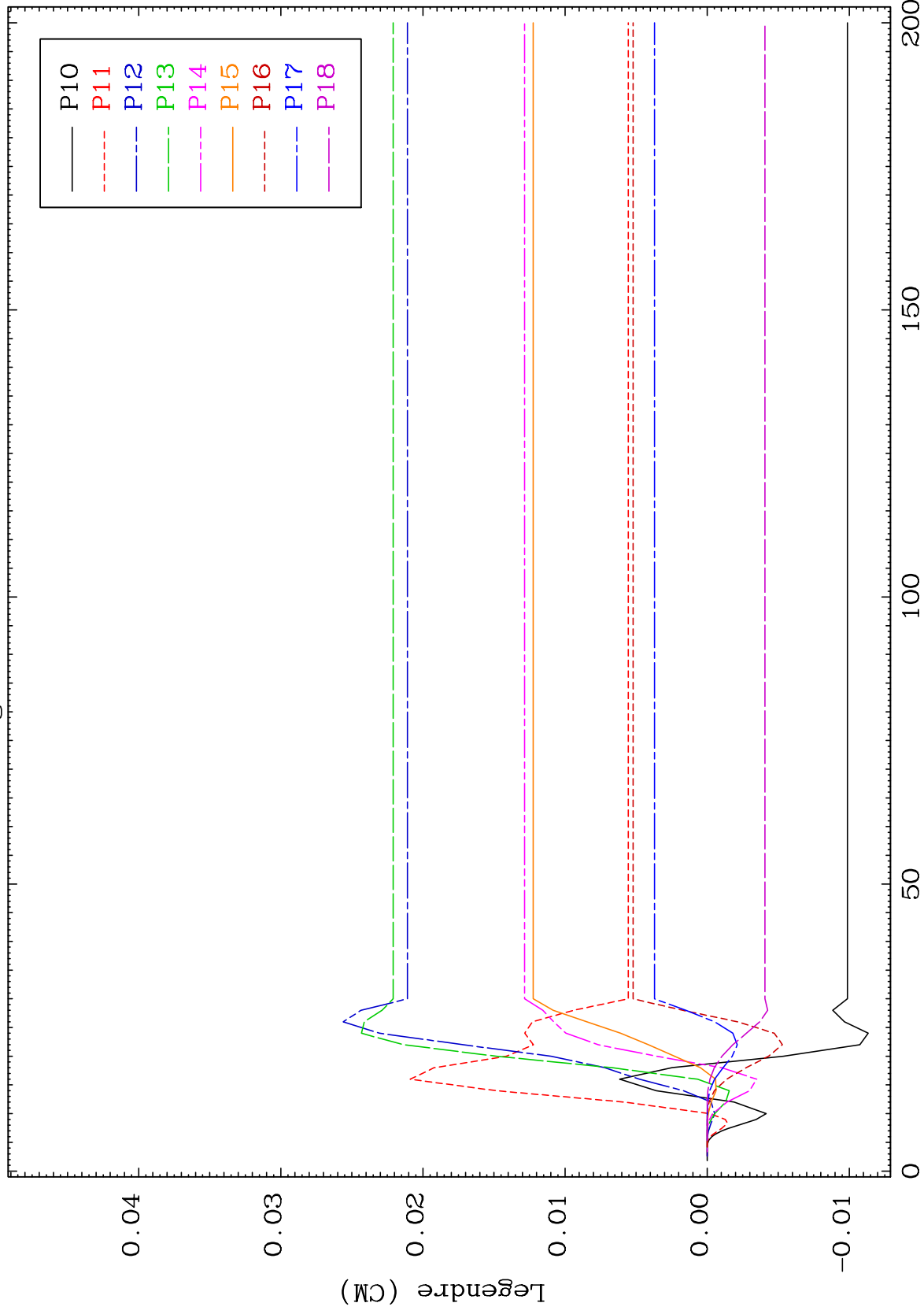
Incident Energy (MeV)

98

MAT 5740

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

57-La-143



99

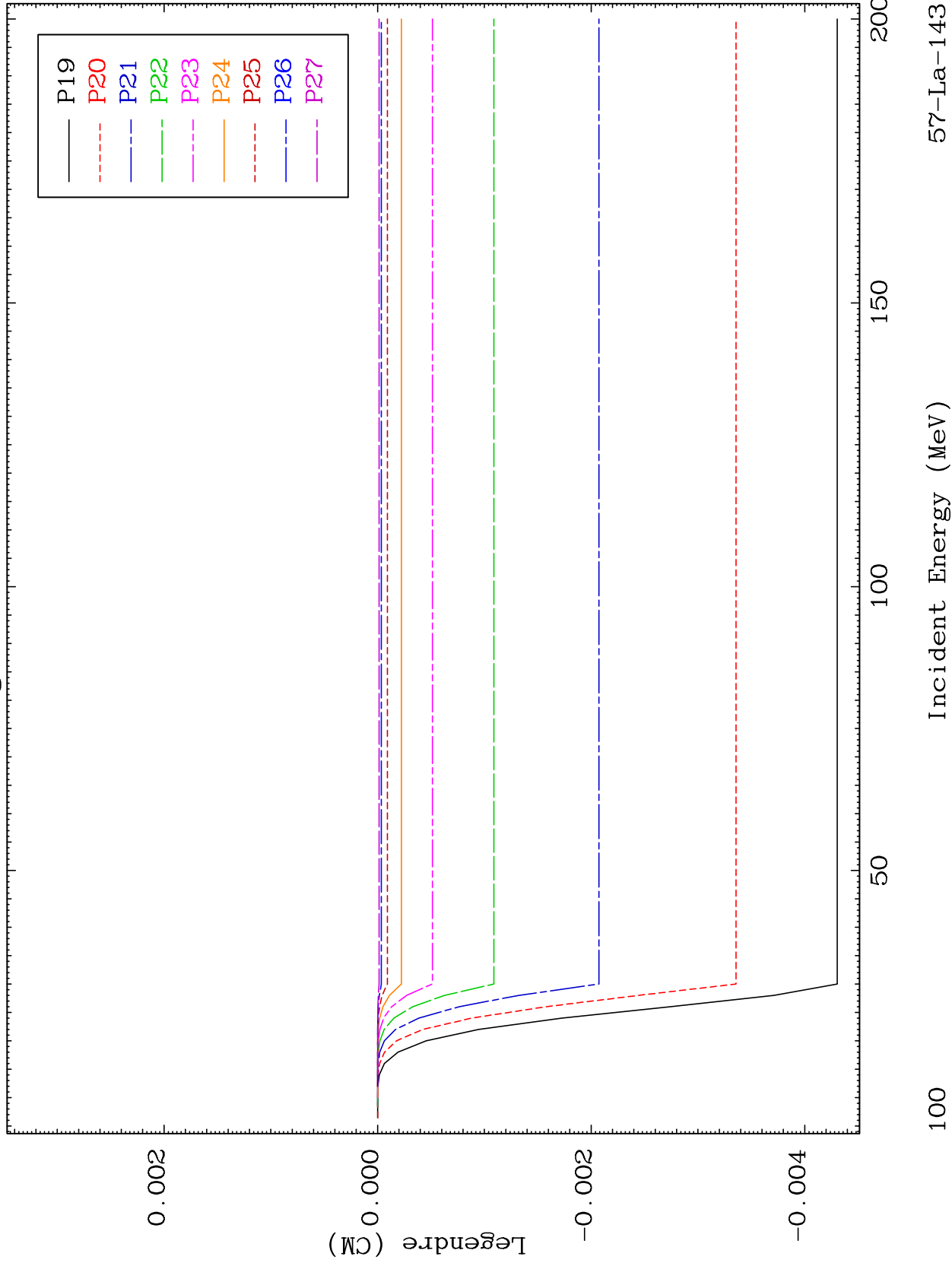
Incident Energy (MeV)

57-La-143

MAT 5740

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

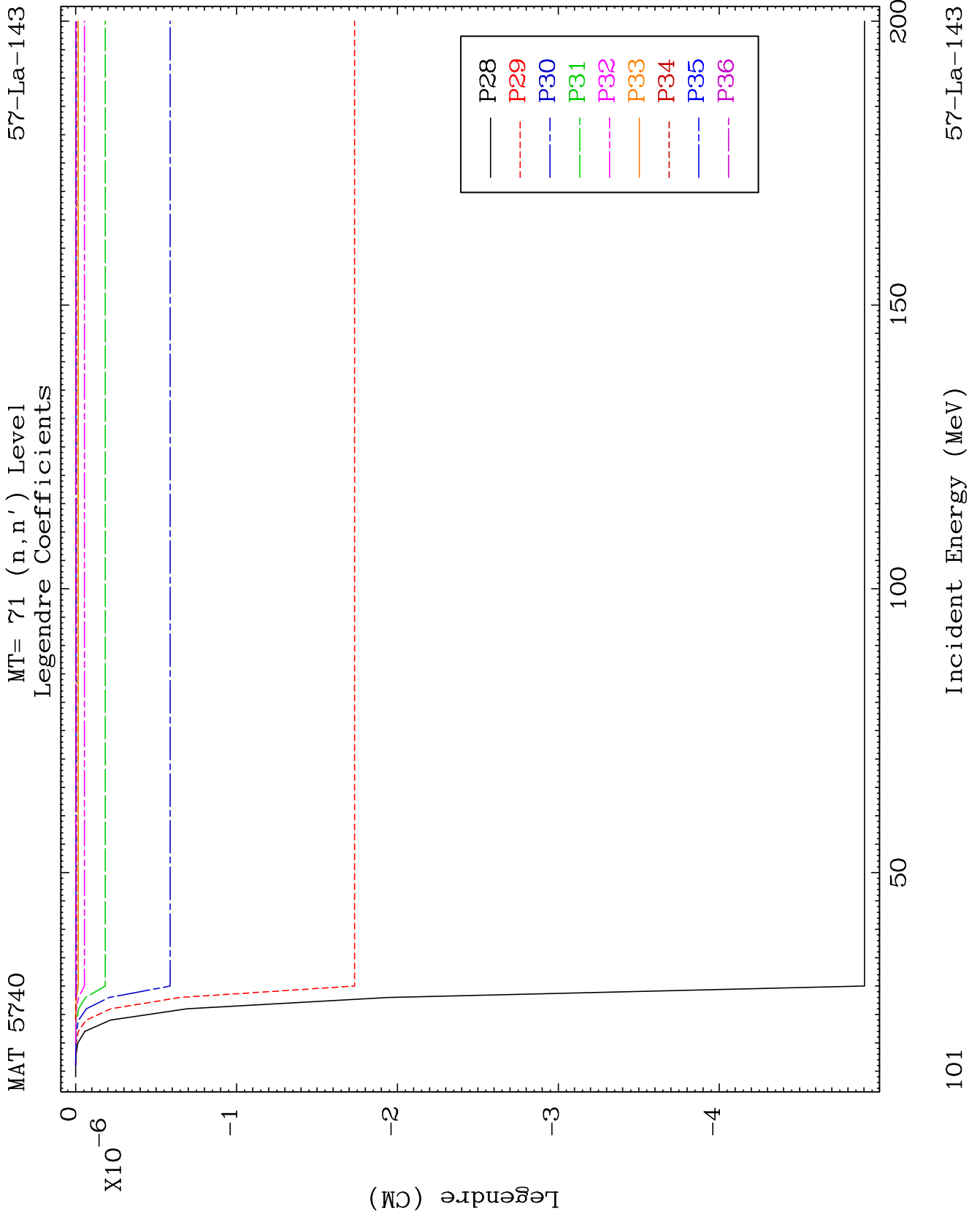
57-La-143



57-La-143

Incident Energy (MeV)

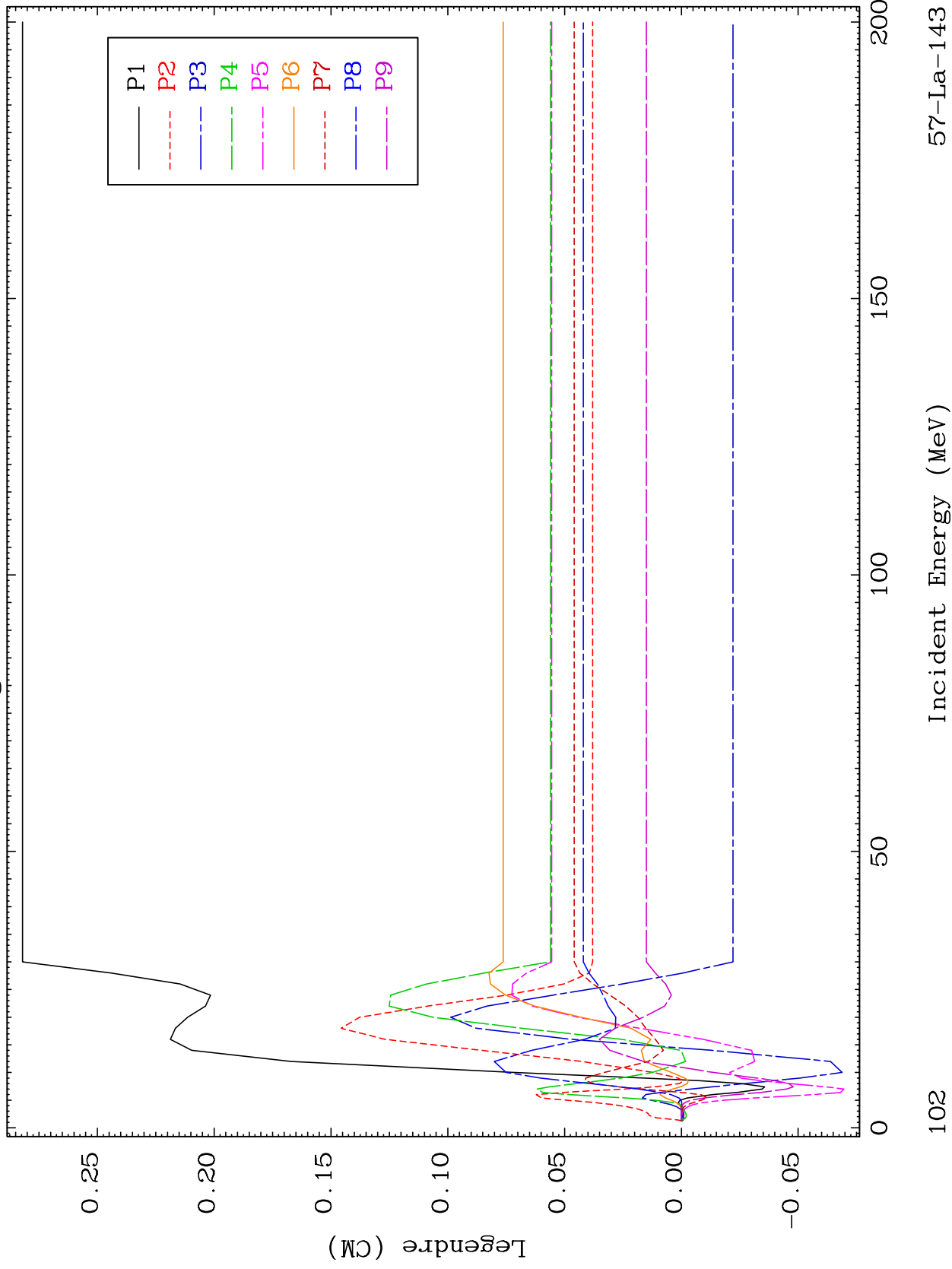
100



MAT 5740

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

57-La-143



57-La-143

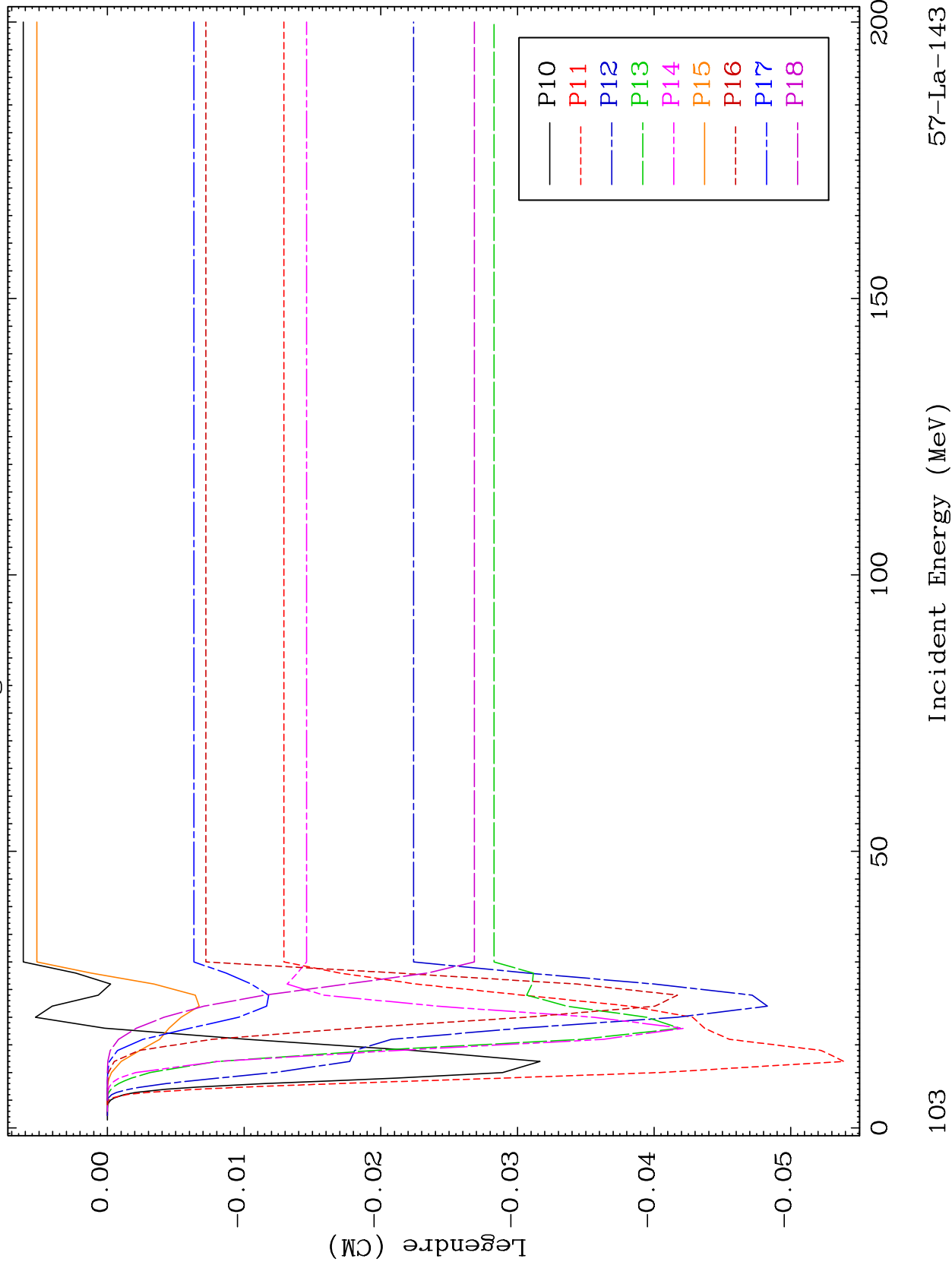
Incident Energy (MeV)

102

MAT 5740

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

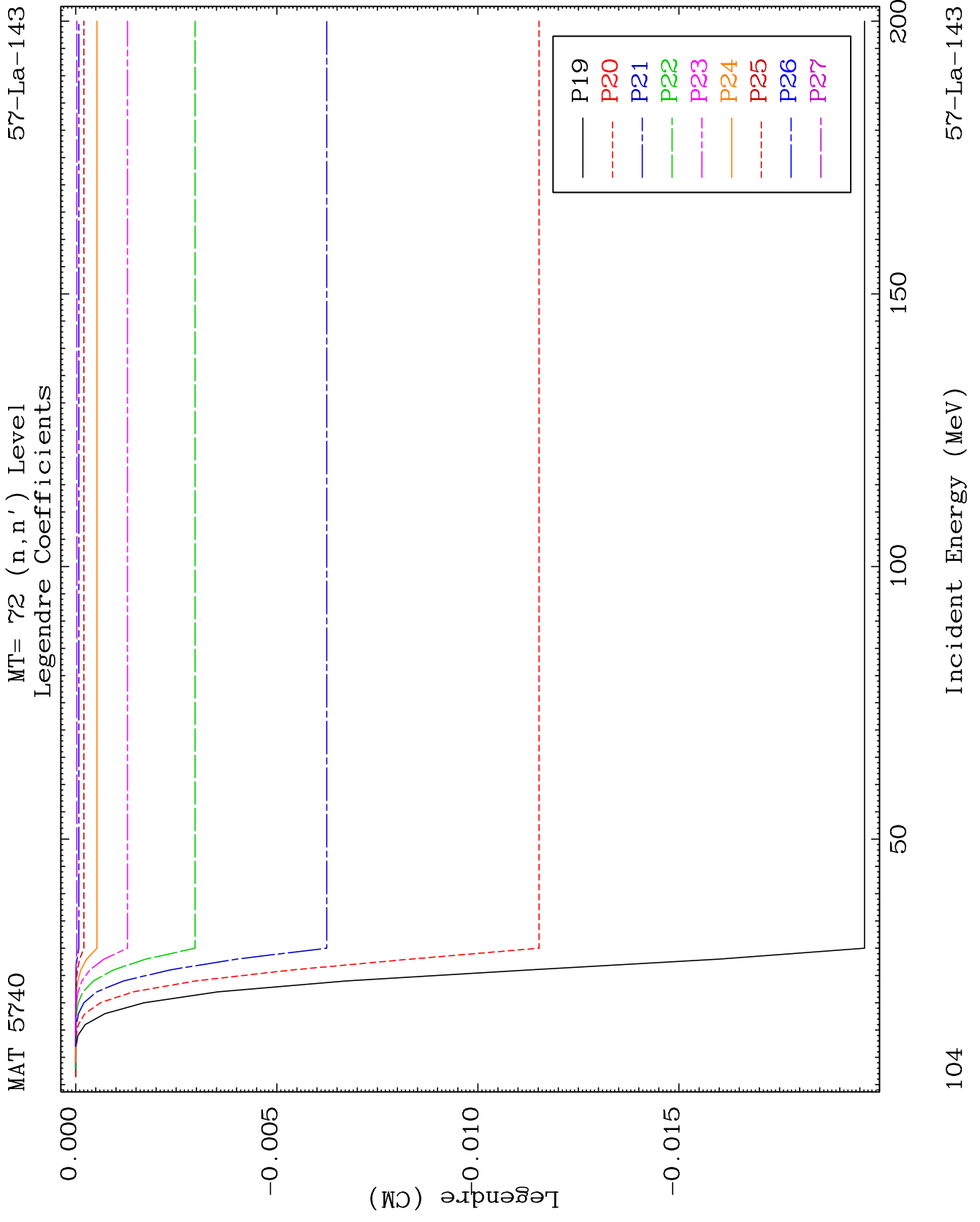
57-La-143

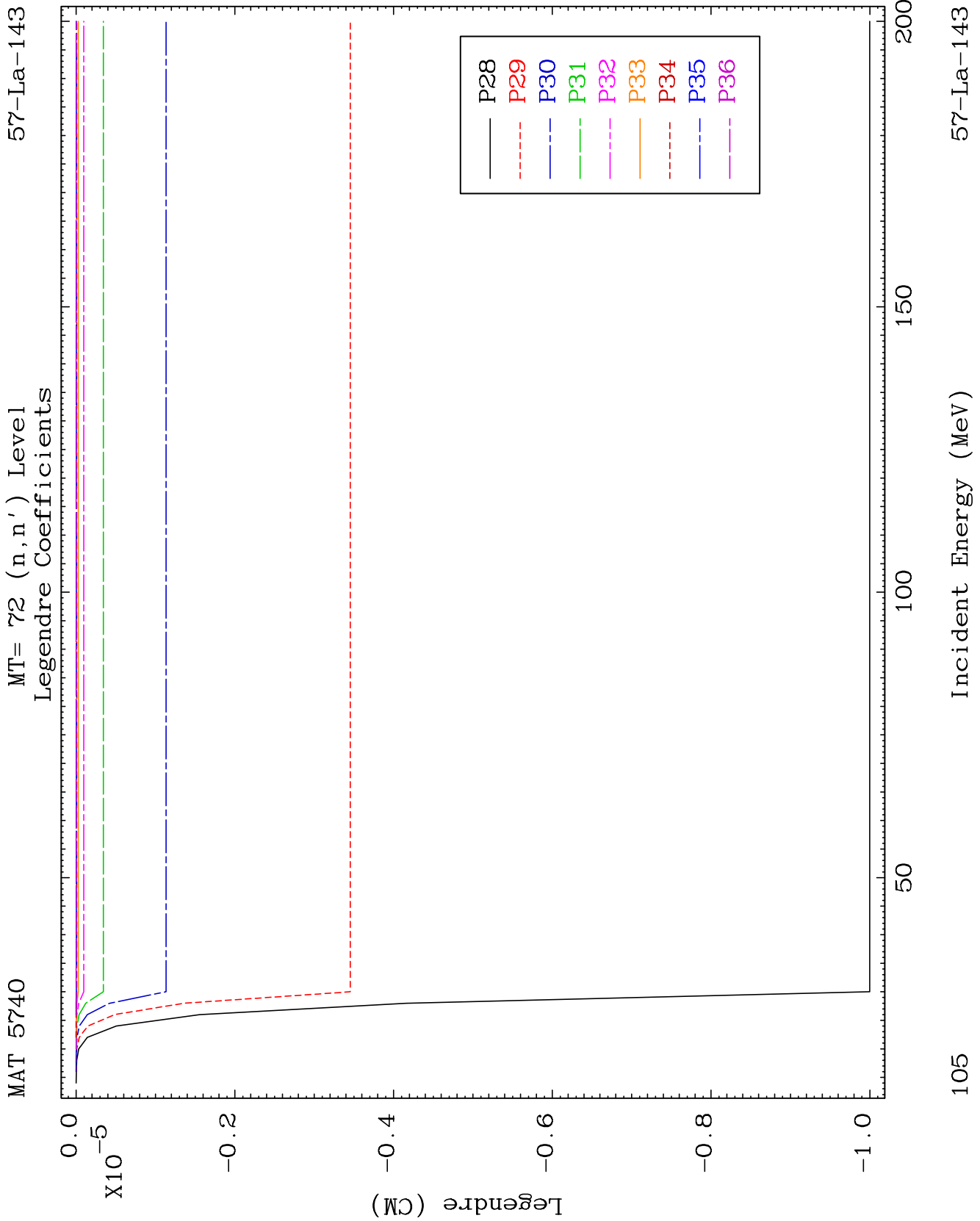


57-La-143

Incident Energy (MeV)

103

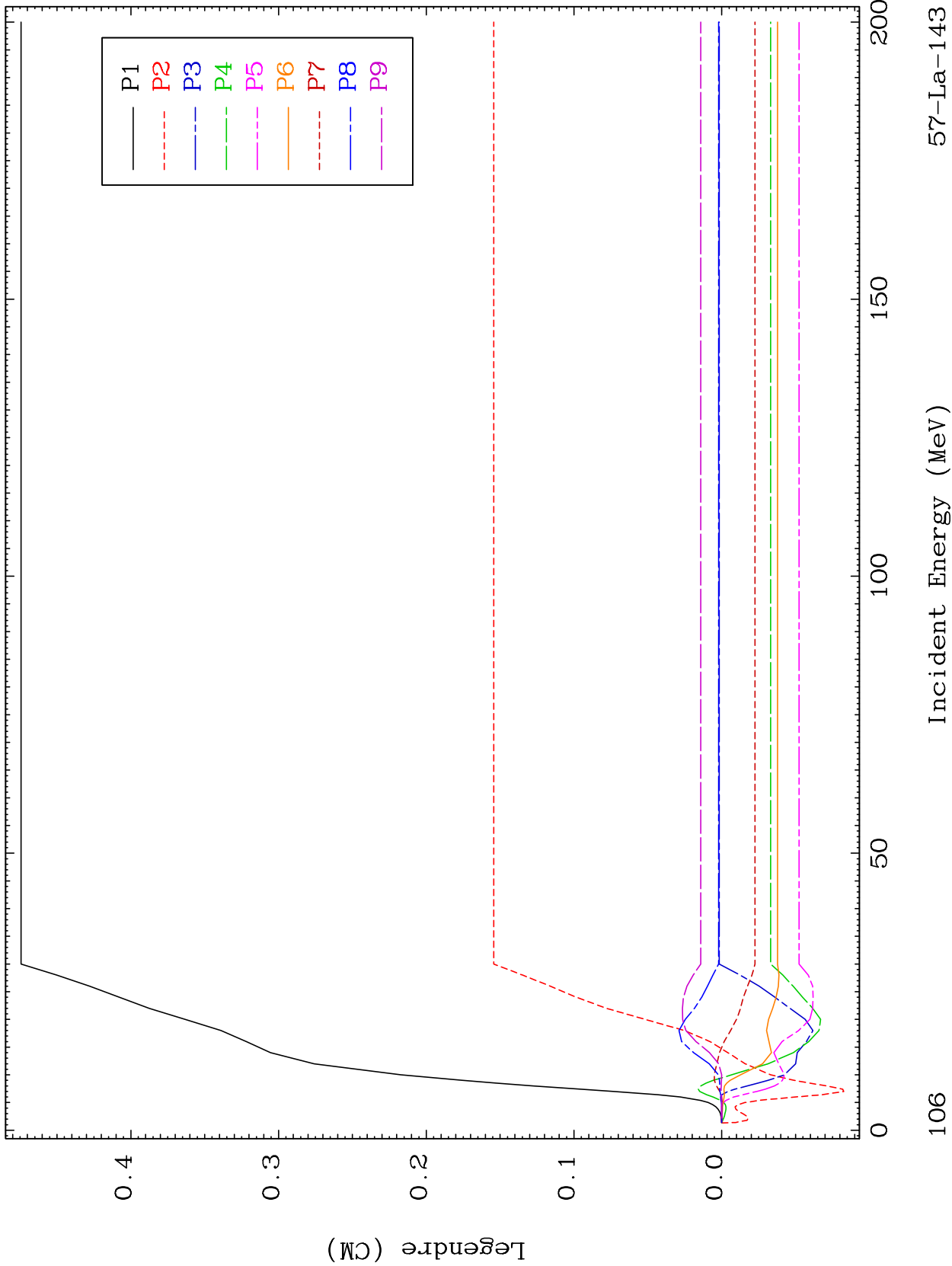




MAT 5740

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

57-La-143



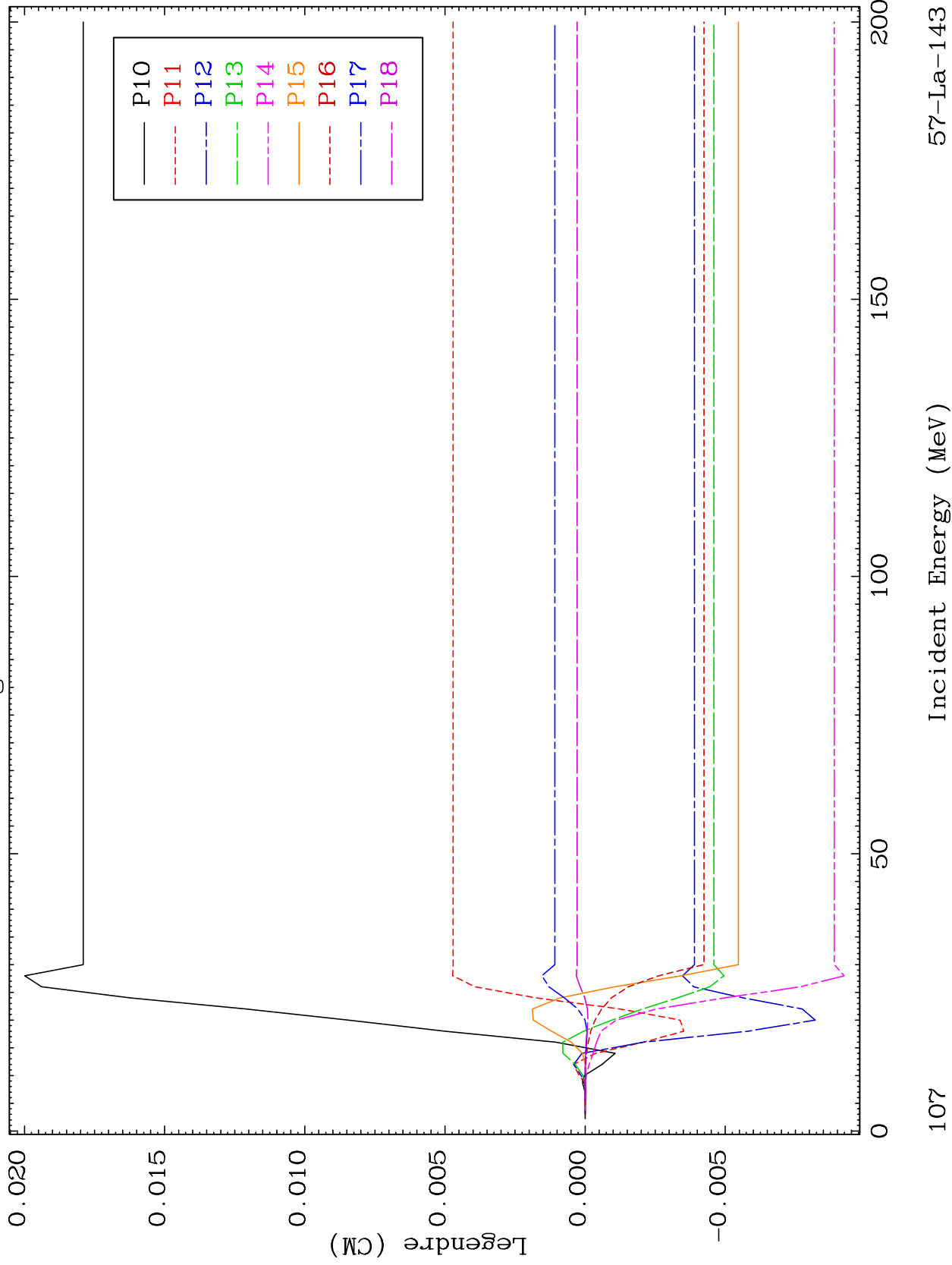
106

57-La-143

MAT 5740

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

57-La-143



107

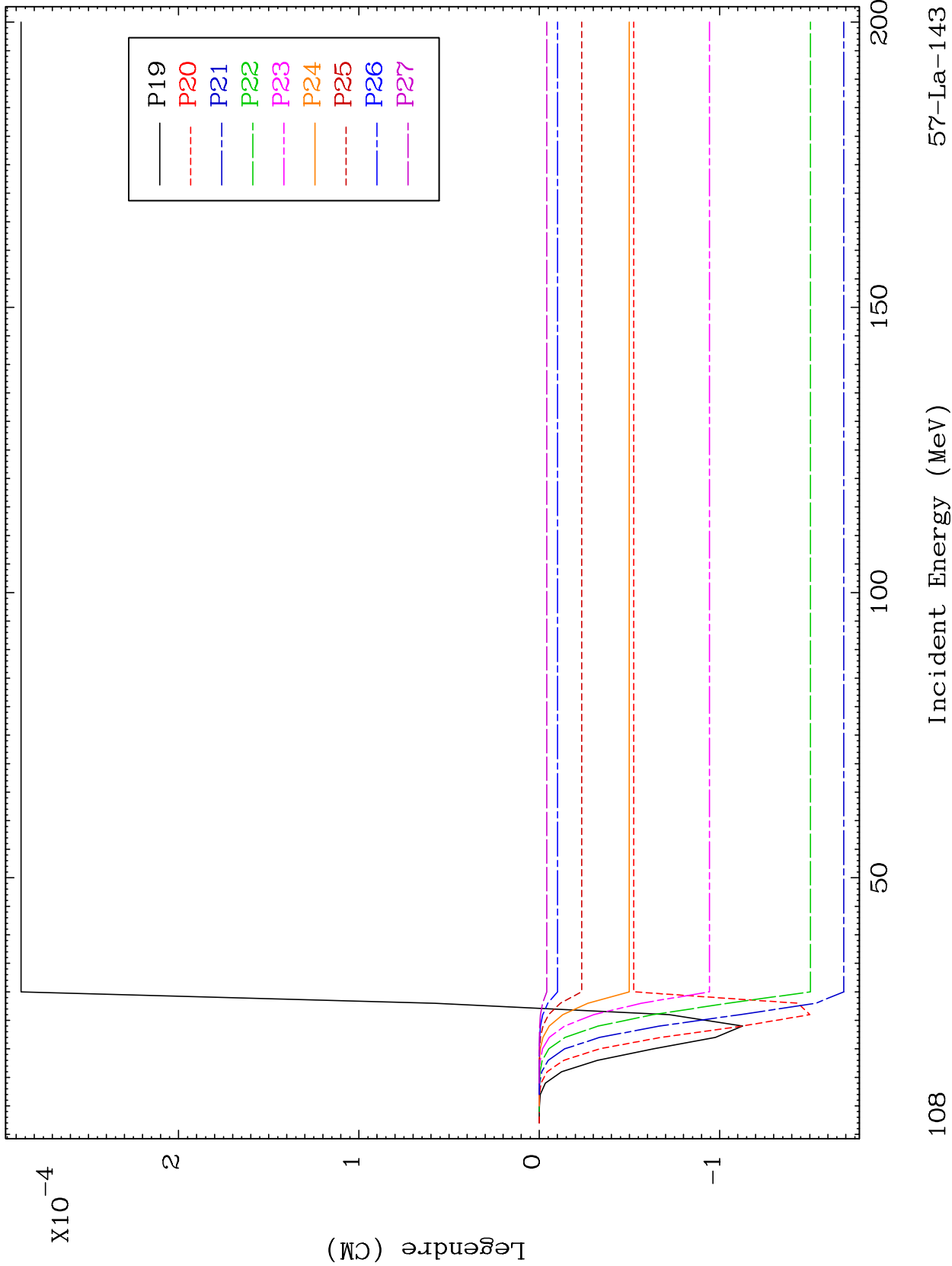
Incident Energy (MeV)

57-La-143

MAT 5740

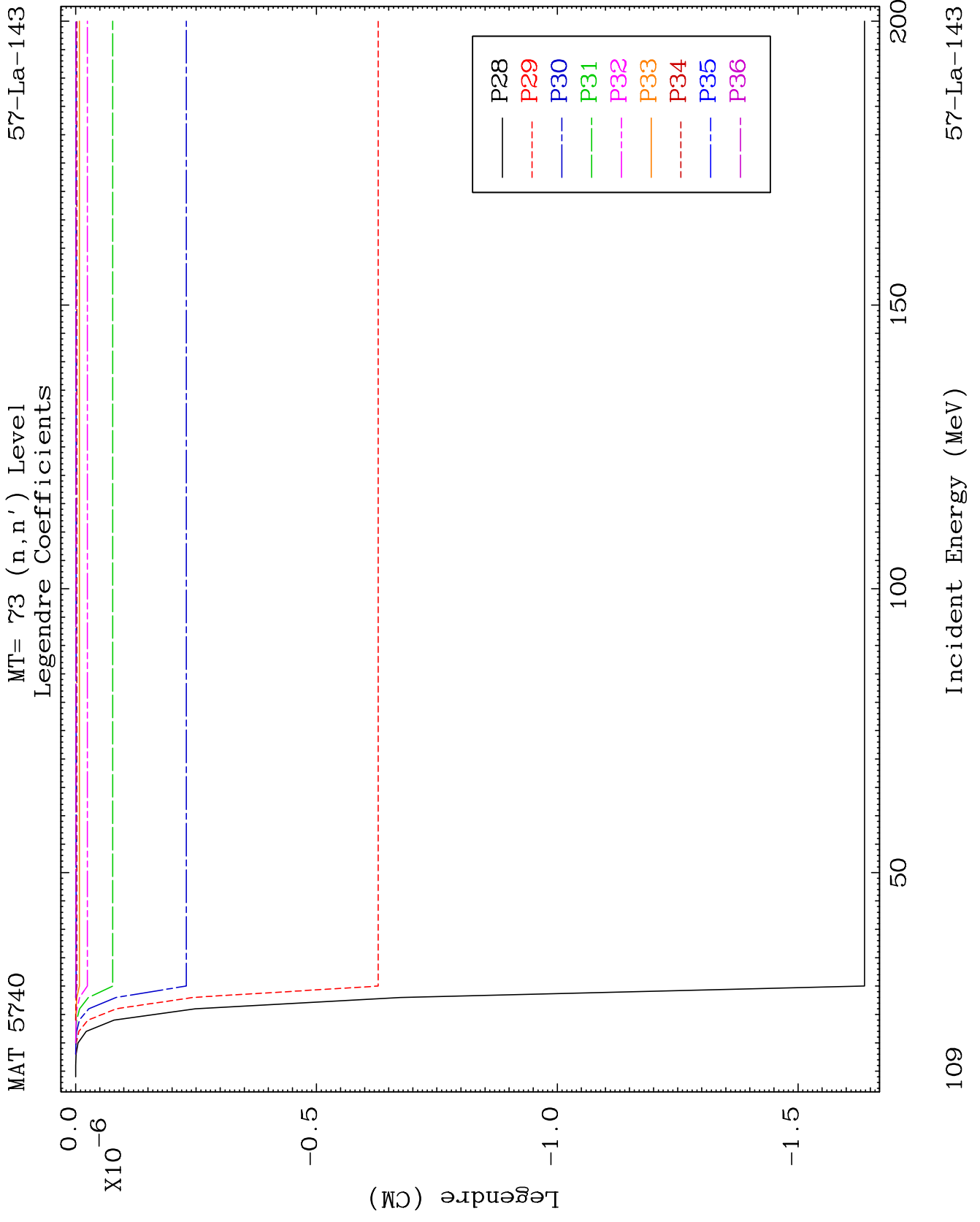
MT= 73 (n,n') Level  
Legendre Coefficients

57-La-143



108

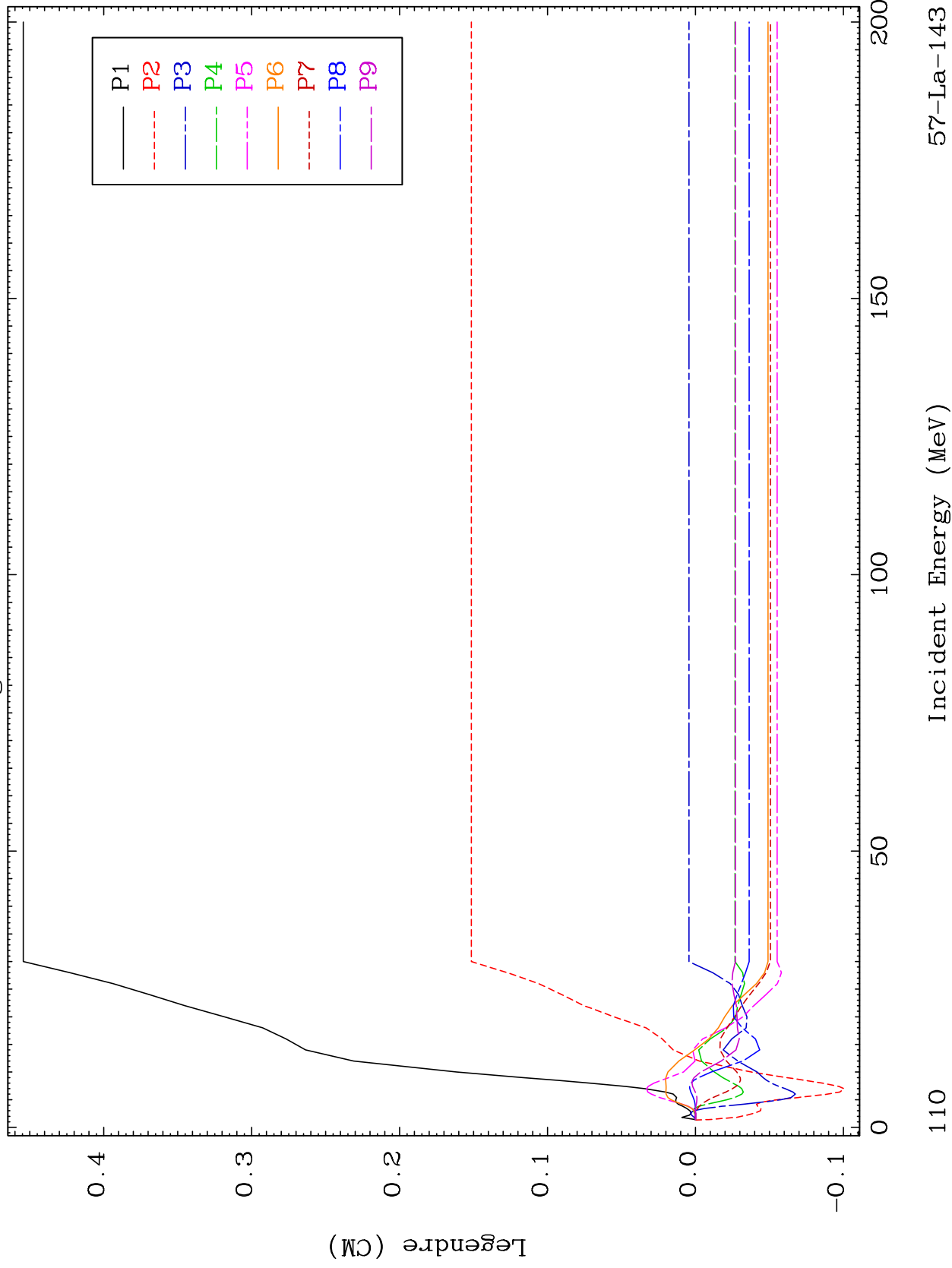
57-La-143



MAT 5740

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

57-La-143



57-La-143

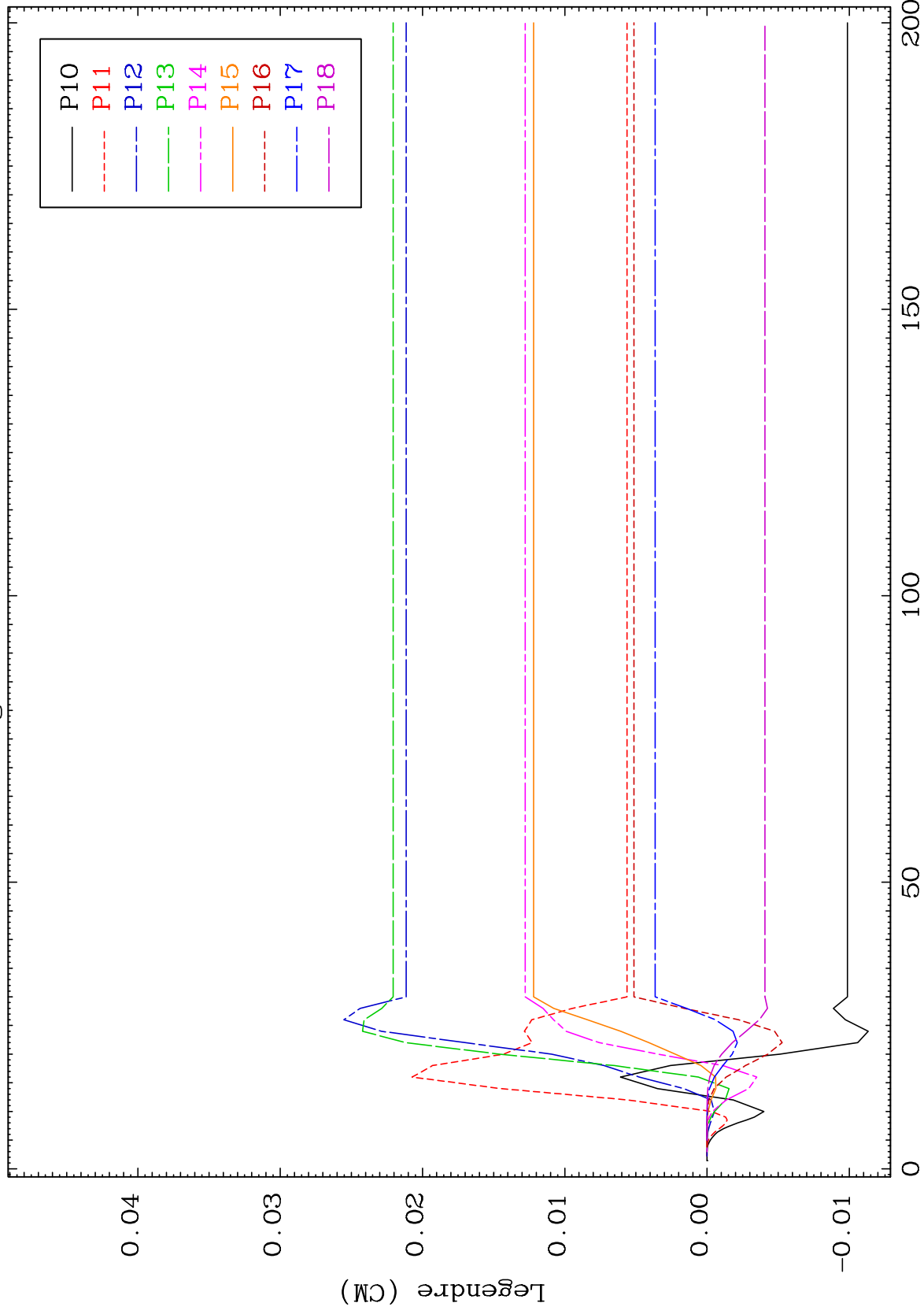
Incident Energy (MeV)

110

MAT 5740

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

57-La-143



111

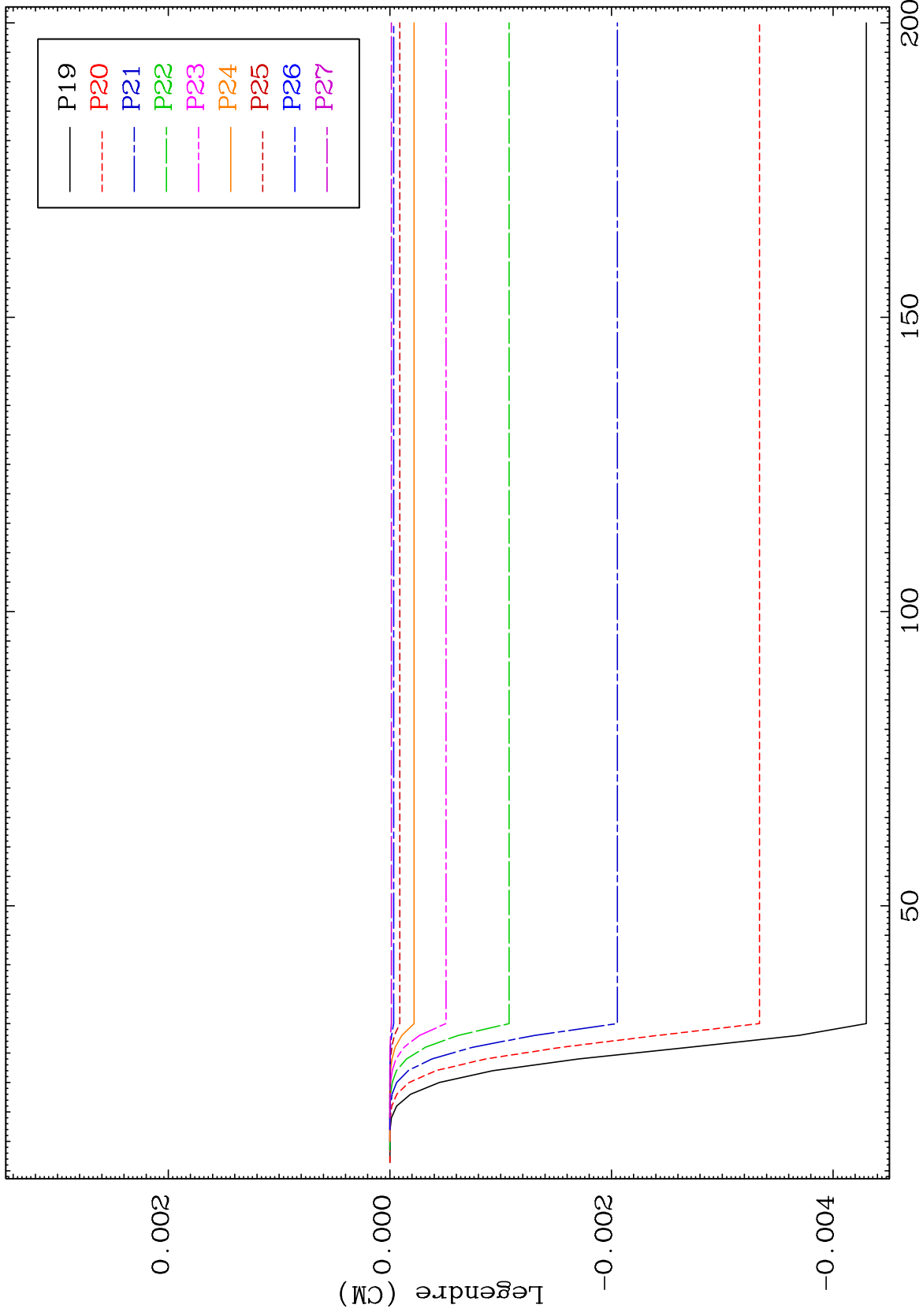
Incident Energy (MeV)

57-La-143

MAT 5740

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

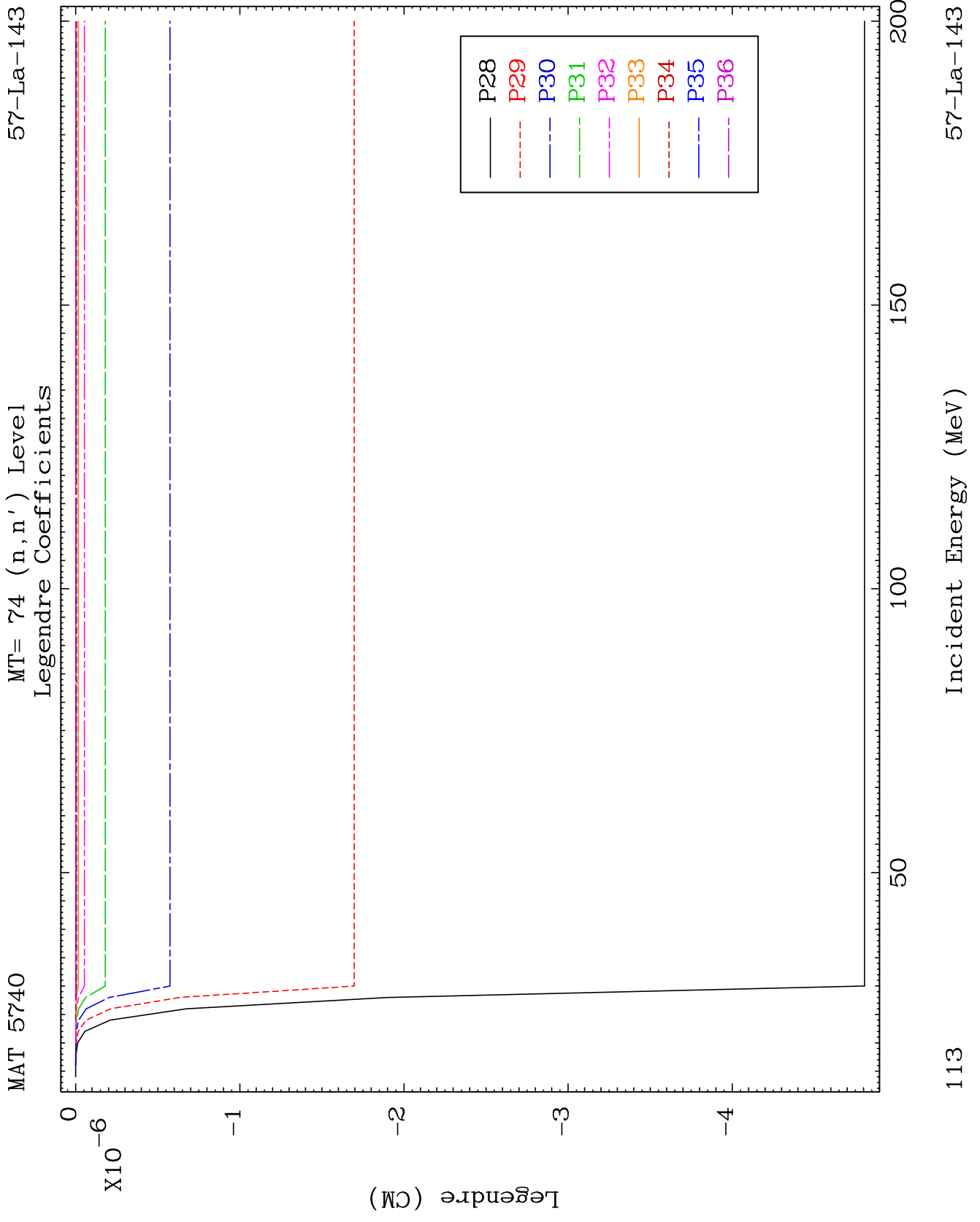
57-La-143



112

Incident Energy (MeV)

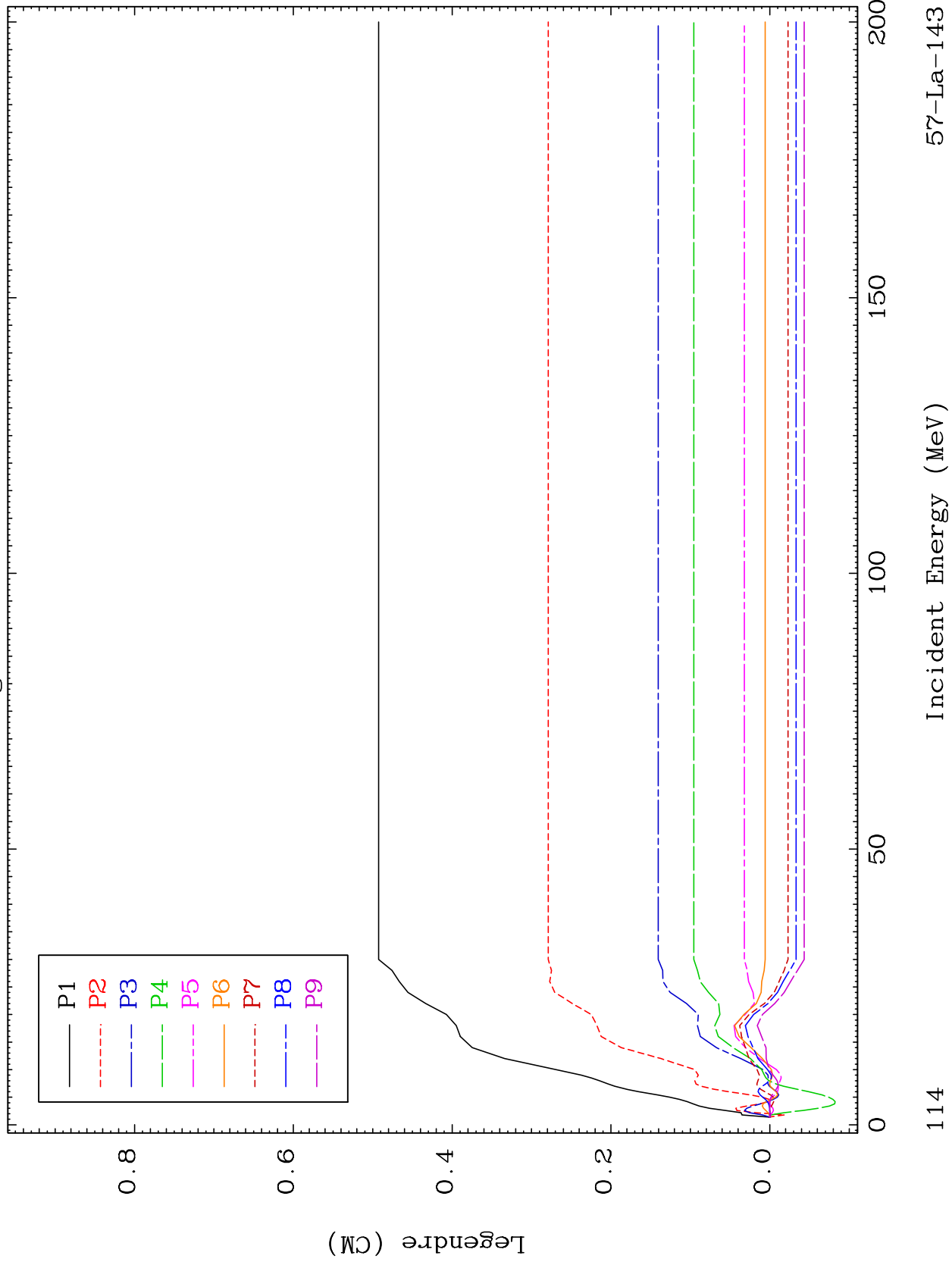
57-La-143



MAT 5740

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

57-La-143



57-La-143

Incident Energy (MeV)

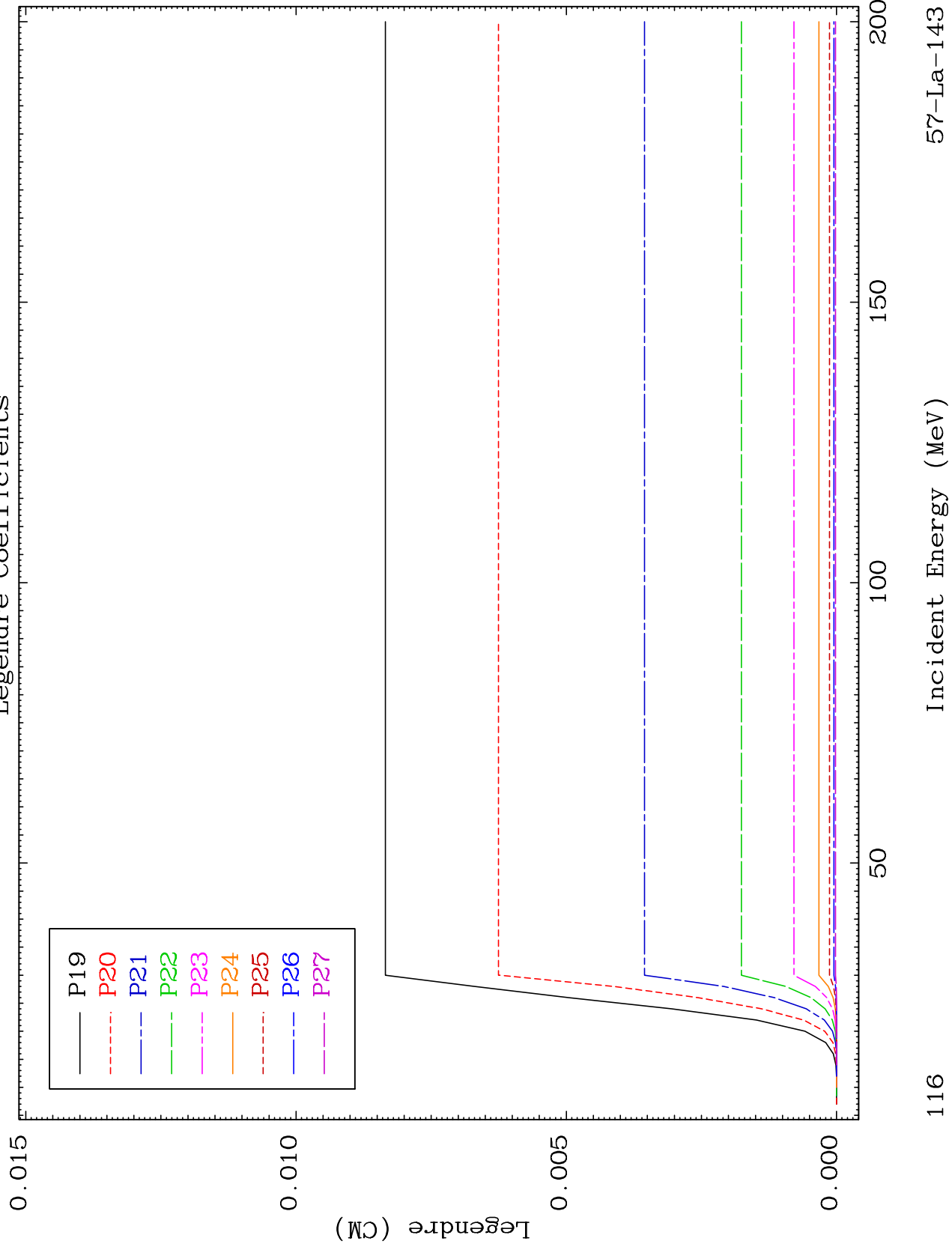
114



MAT 5740

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

57-La-143



116

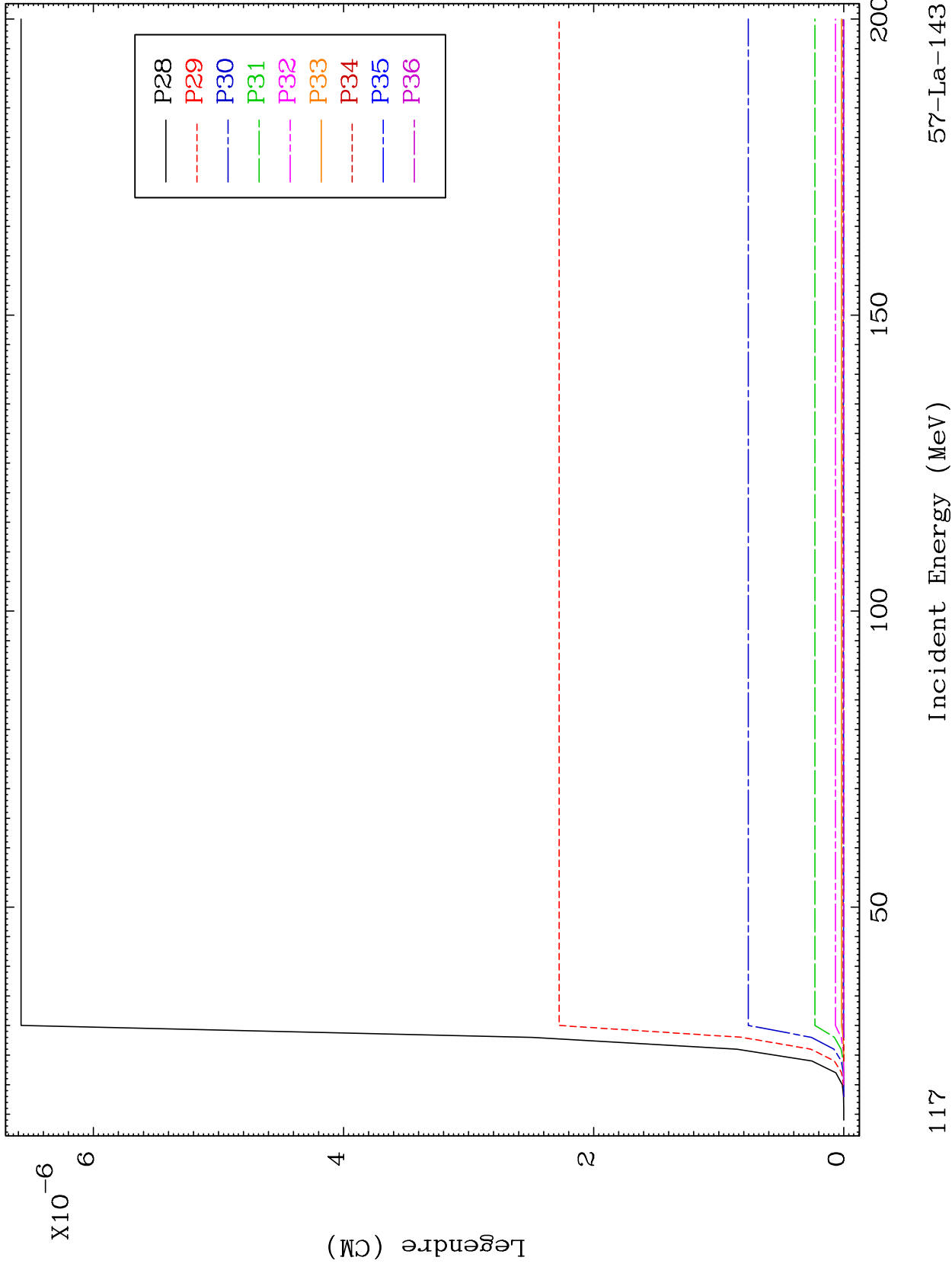
Incident Energy (MeV)

57-La-143

MAT 5740

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

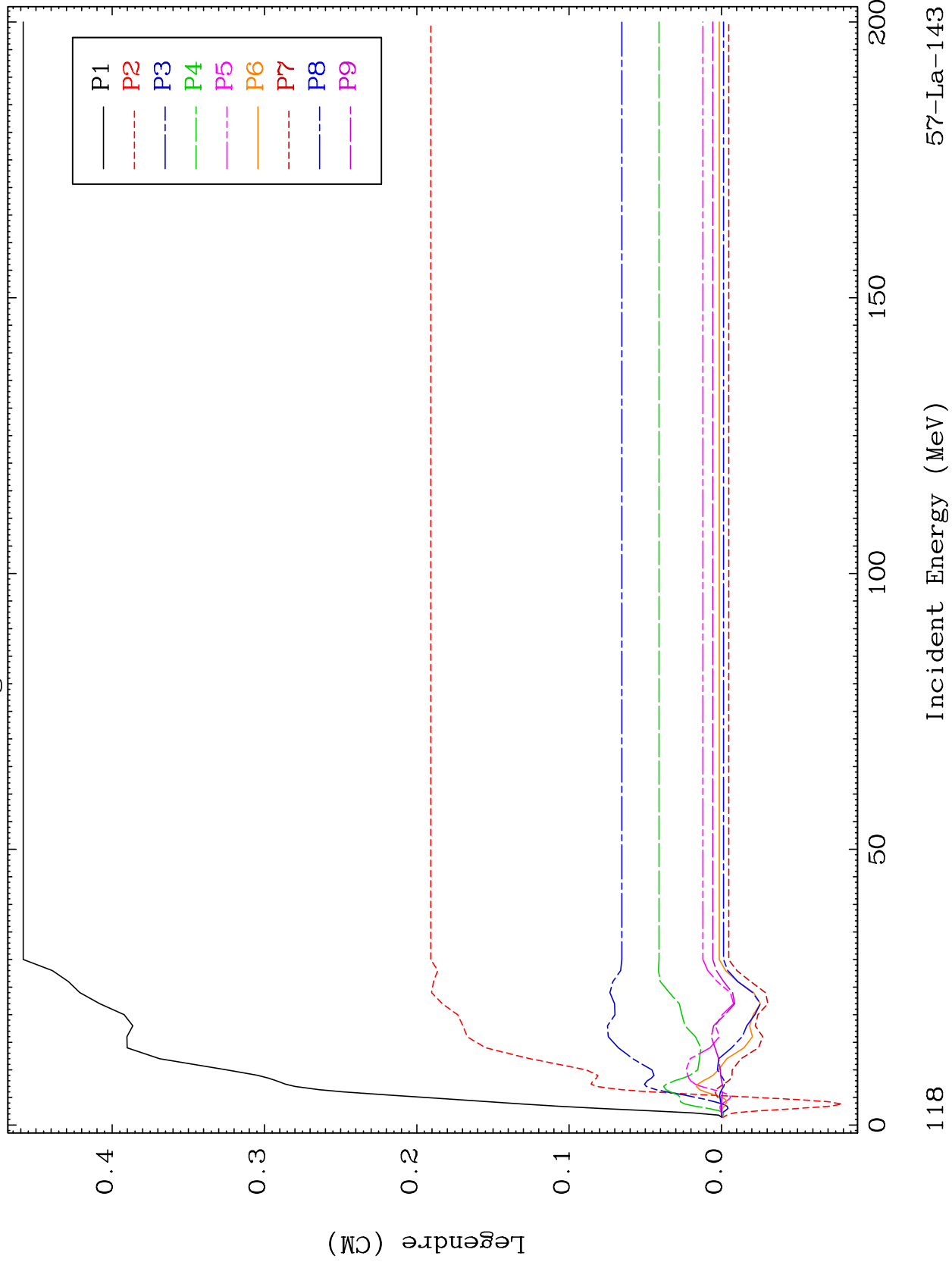
57-La-143



MAT 5740

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

57-La-143



57-La-143

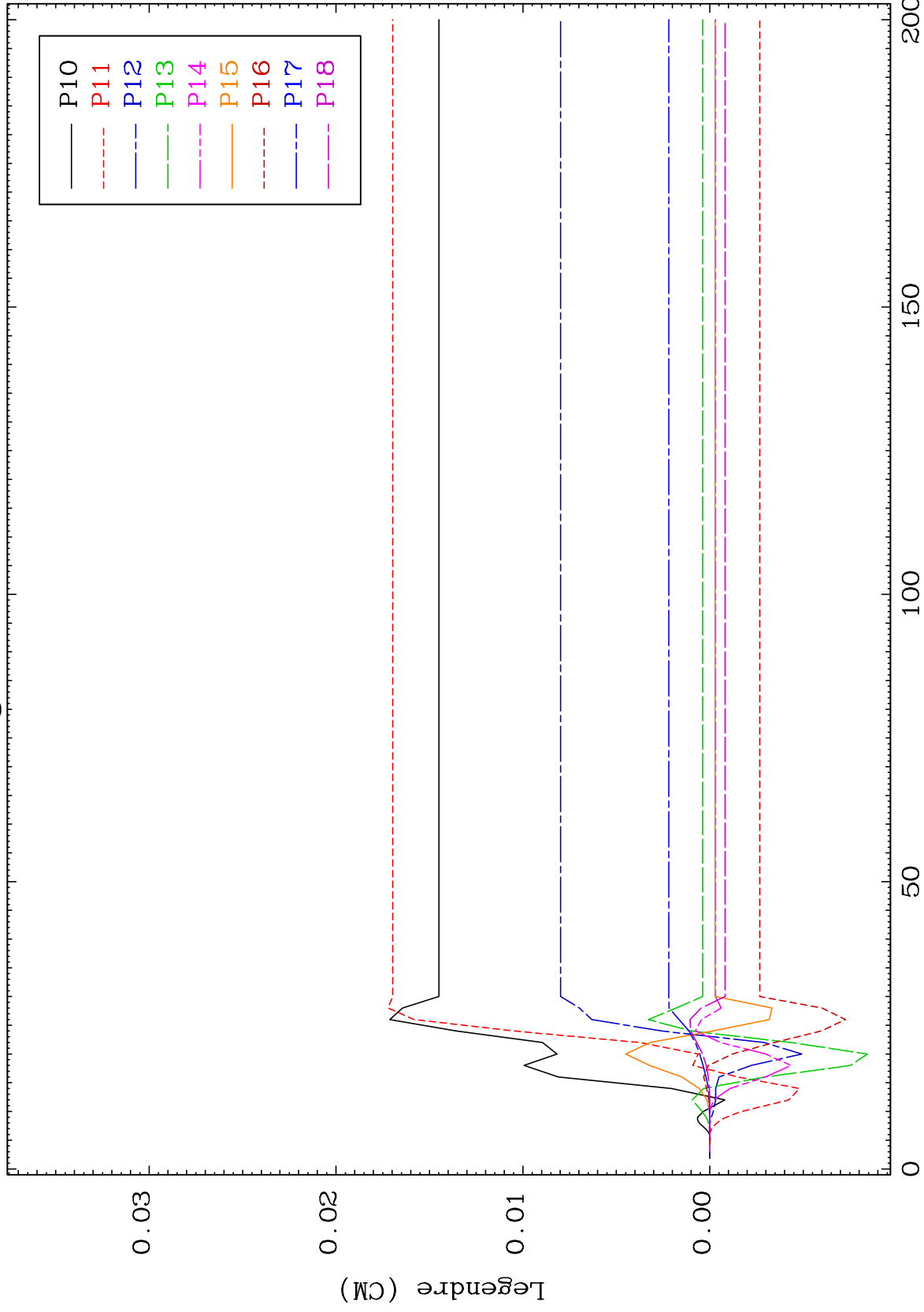
Incident Energy (MeV)

118

MAT 5740

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

57-La-143



119

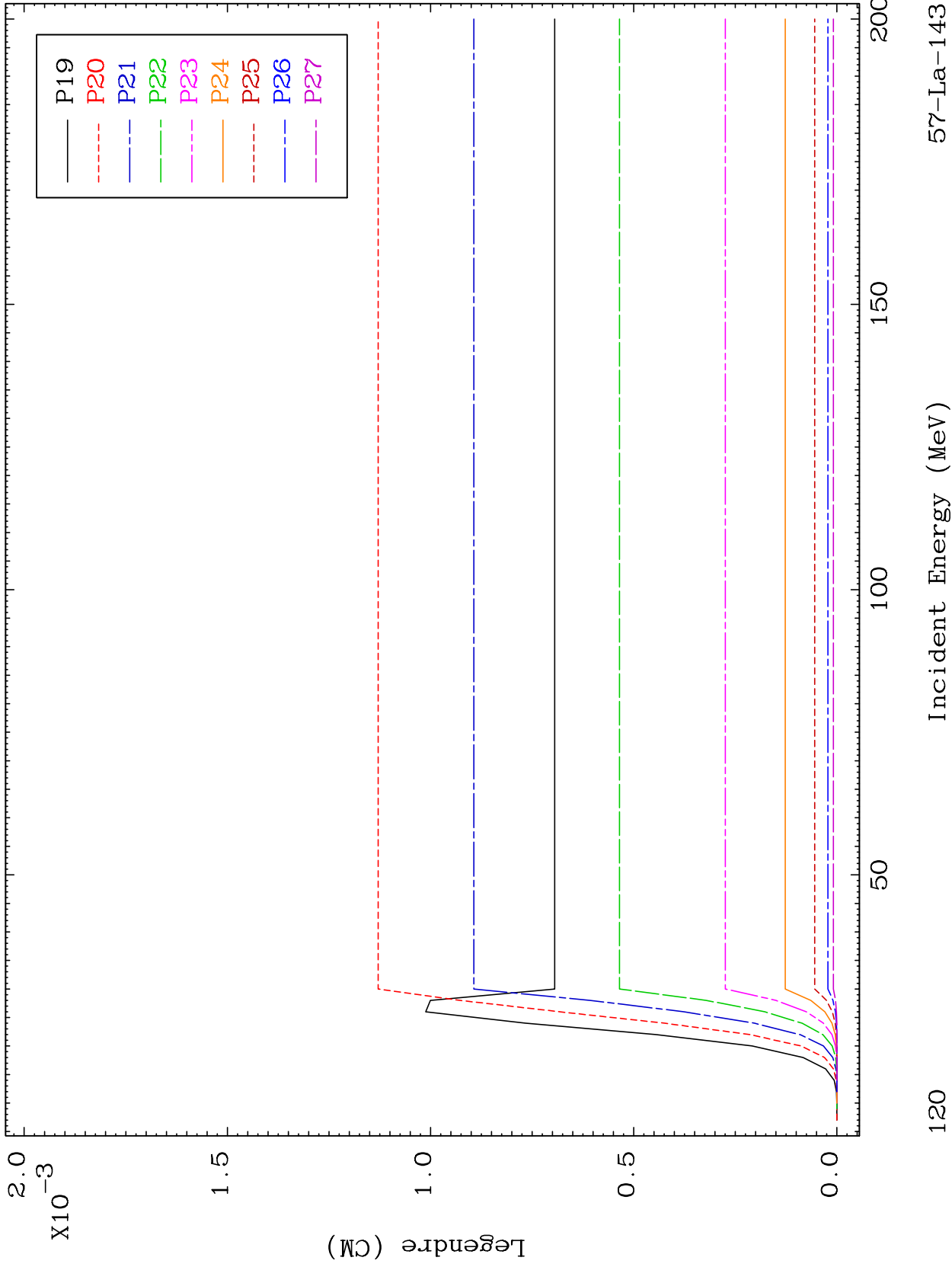
Incident Energy (MeV)

57-La-143

MAT 5740

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

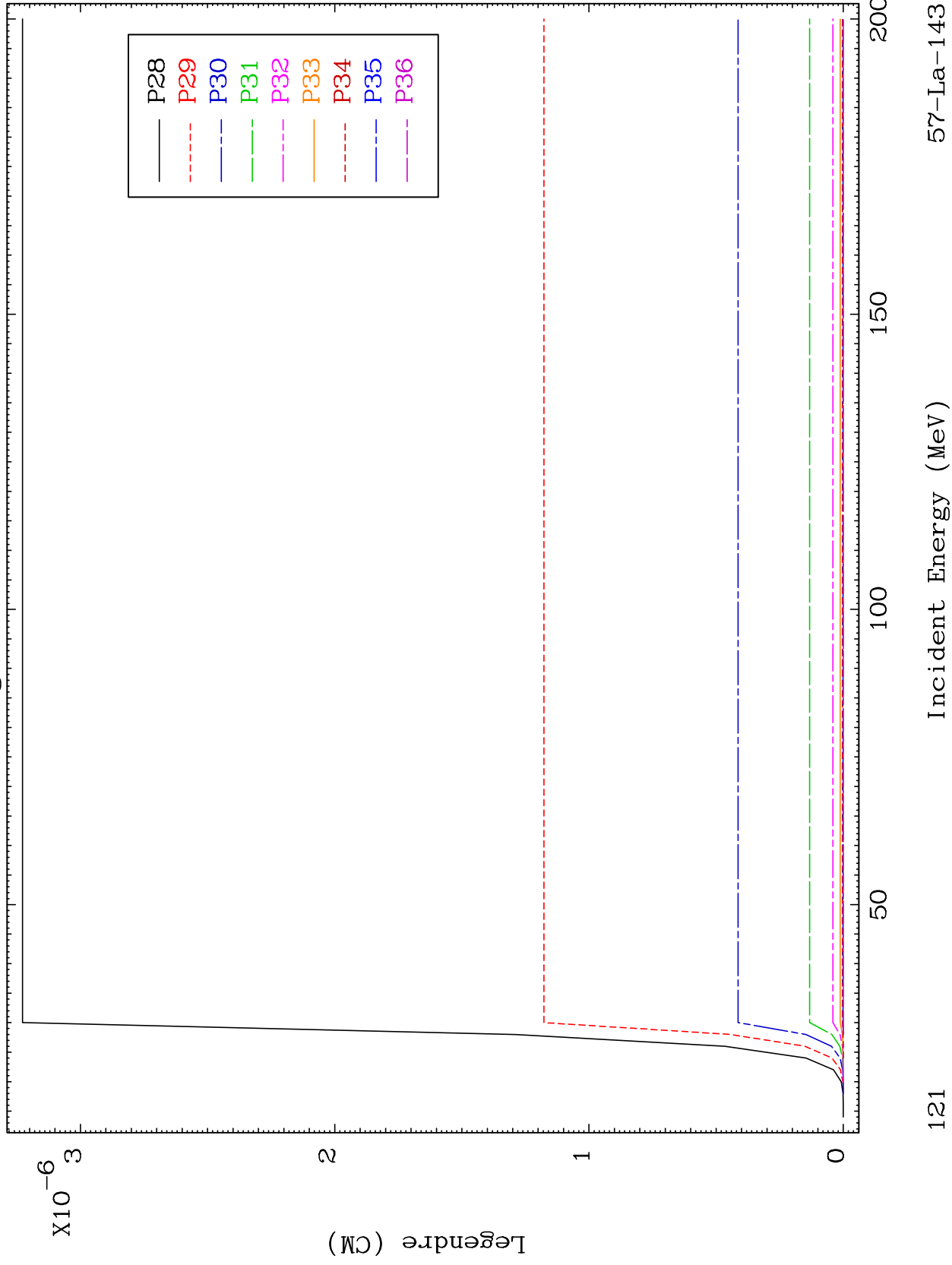
57-La-143



MAT 5740

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

57-La-143



121

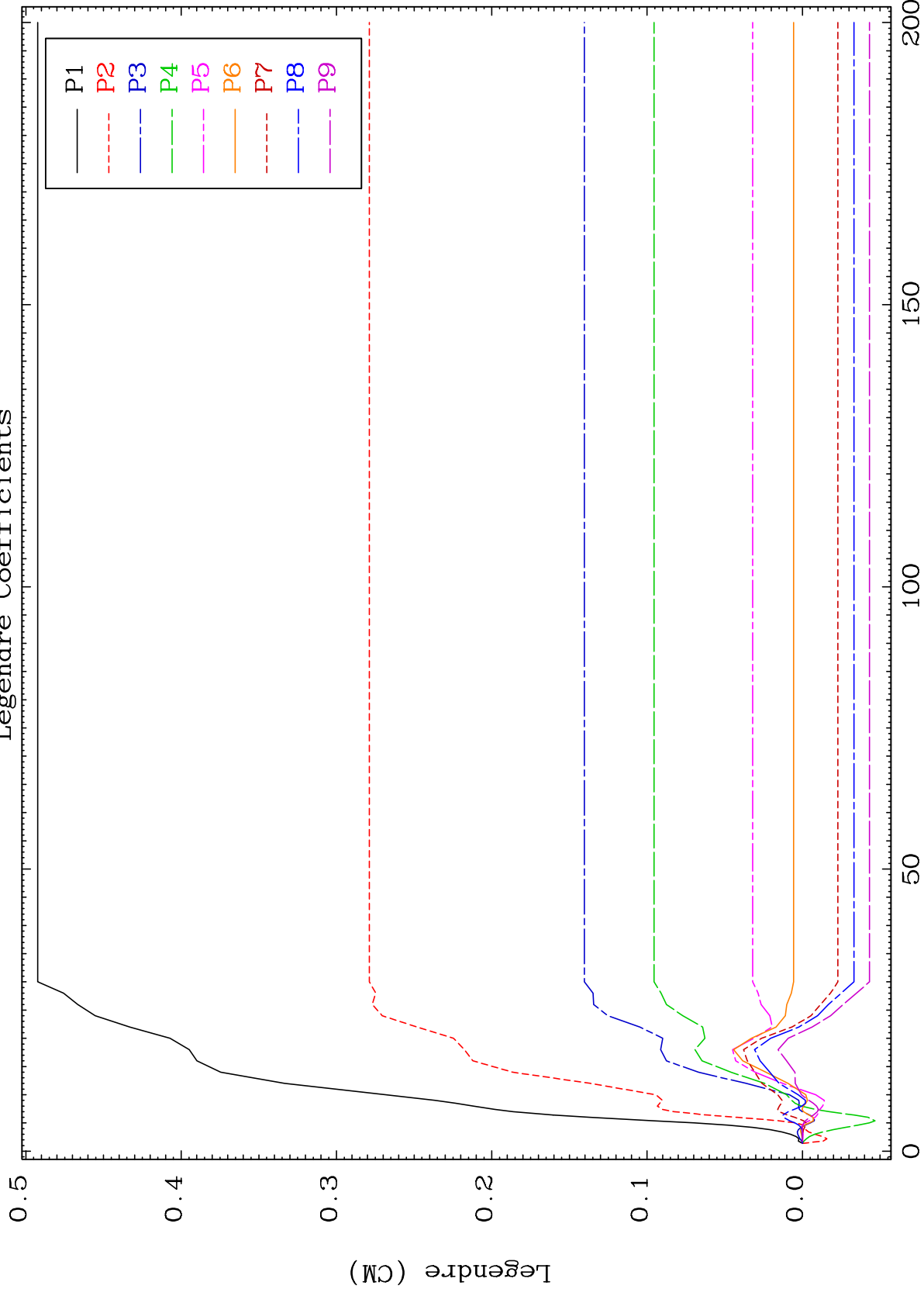
57-La-143

MAT 5740

MT= 77 (n,n') Level

57-La-143

Legendre Coefficients



57-La-143

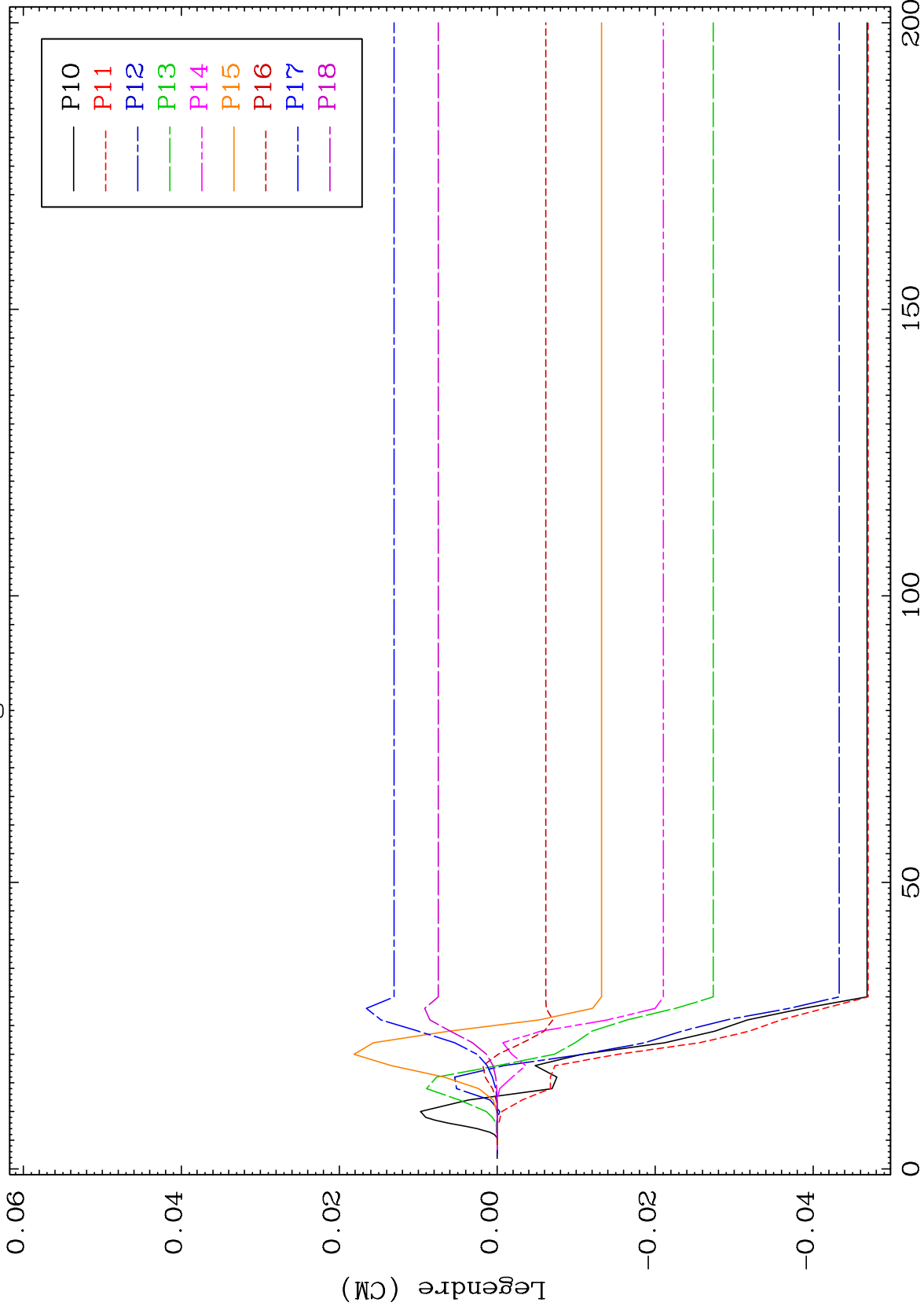
Incident Energy (MeV)

122

MAT 5740

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

57-La-143



57-La-143

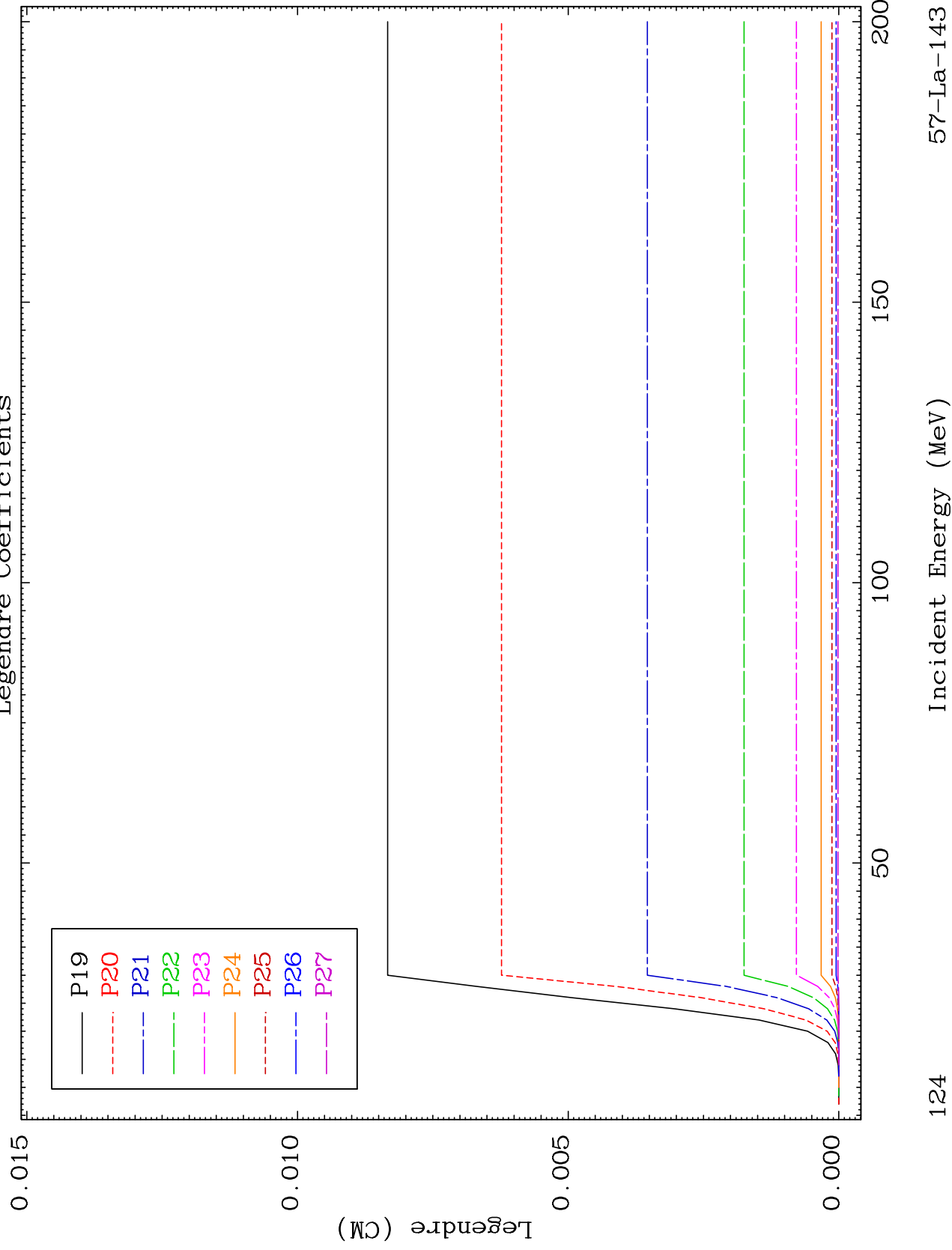
Incident Energy (MeV)

123

MAT 5740

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

57-La-143



124

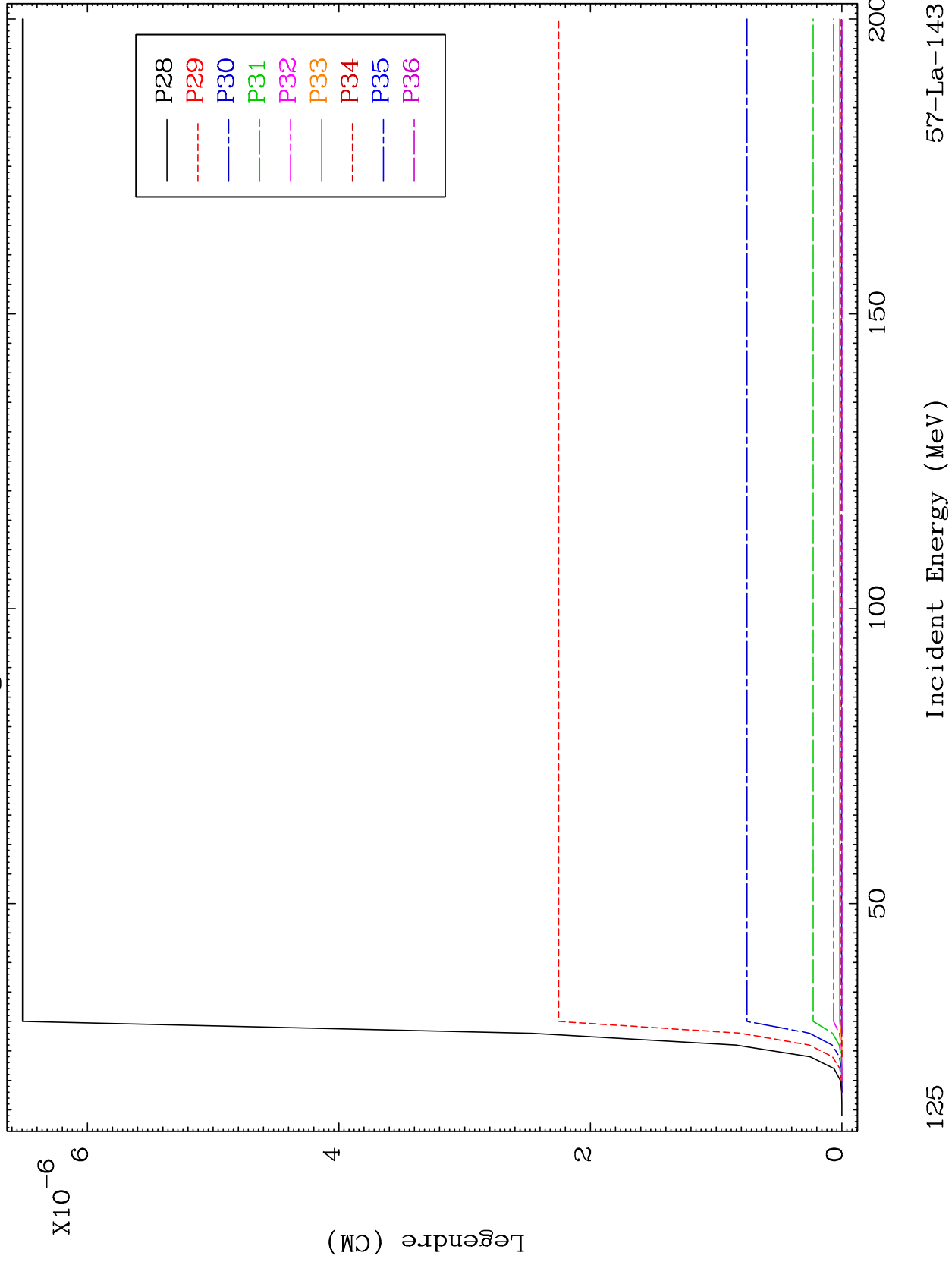
Incident Energy (MeV)

57-La-143

MAT 5740

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

57-La-143



125

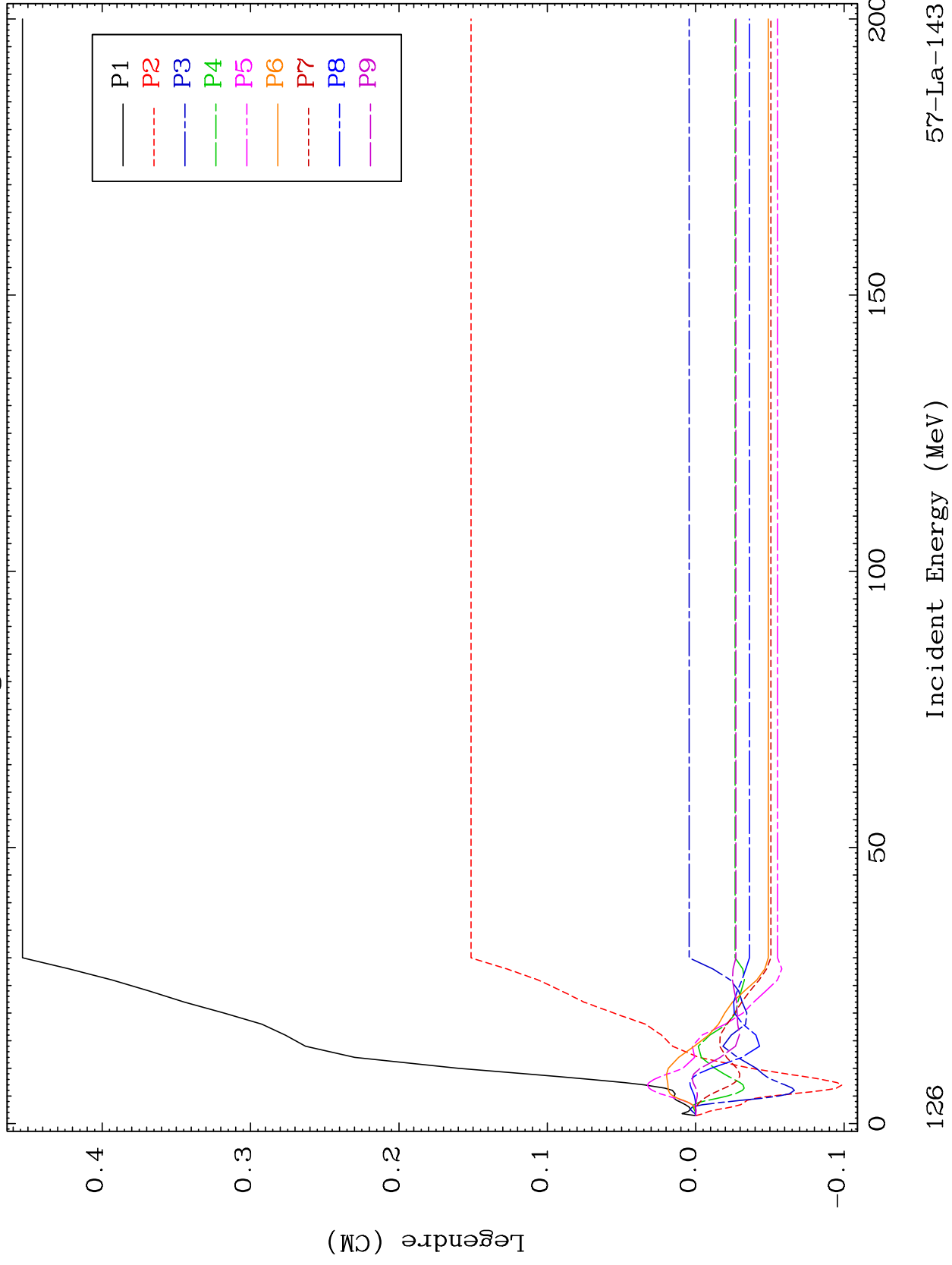
Incident Energy (MeV)

57-La-143

MAT 5740

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

57-La-143



57-La-143

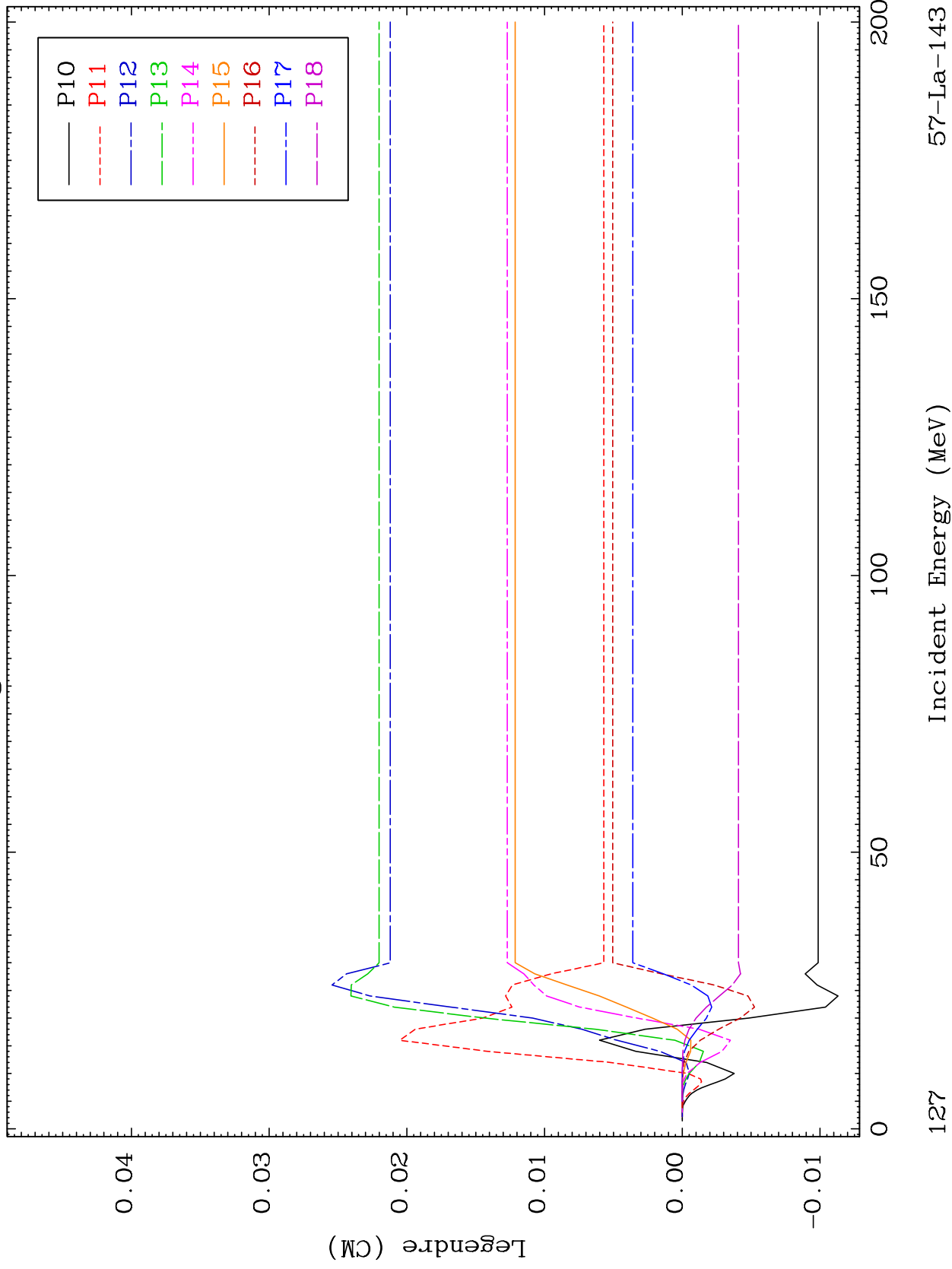
Incident Energy (MeV)

126

MAT 5740

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

57-La-143



57-La-143

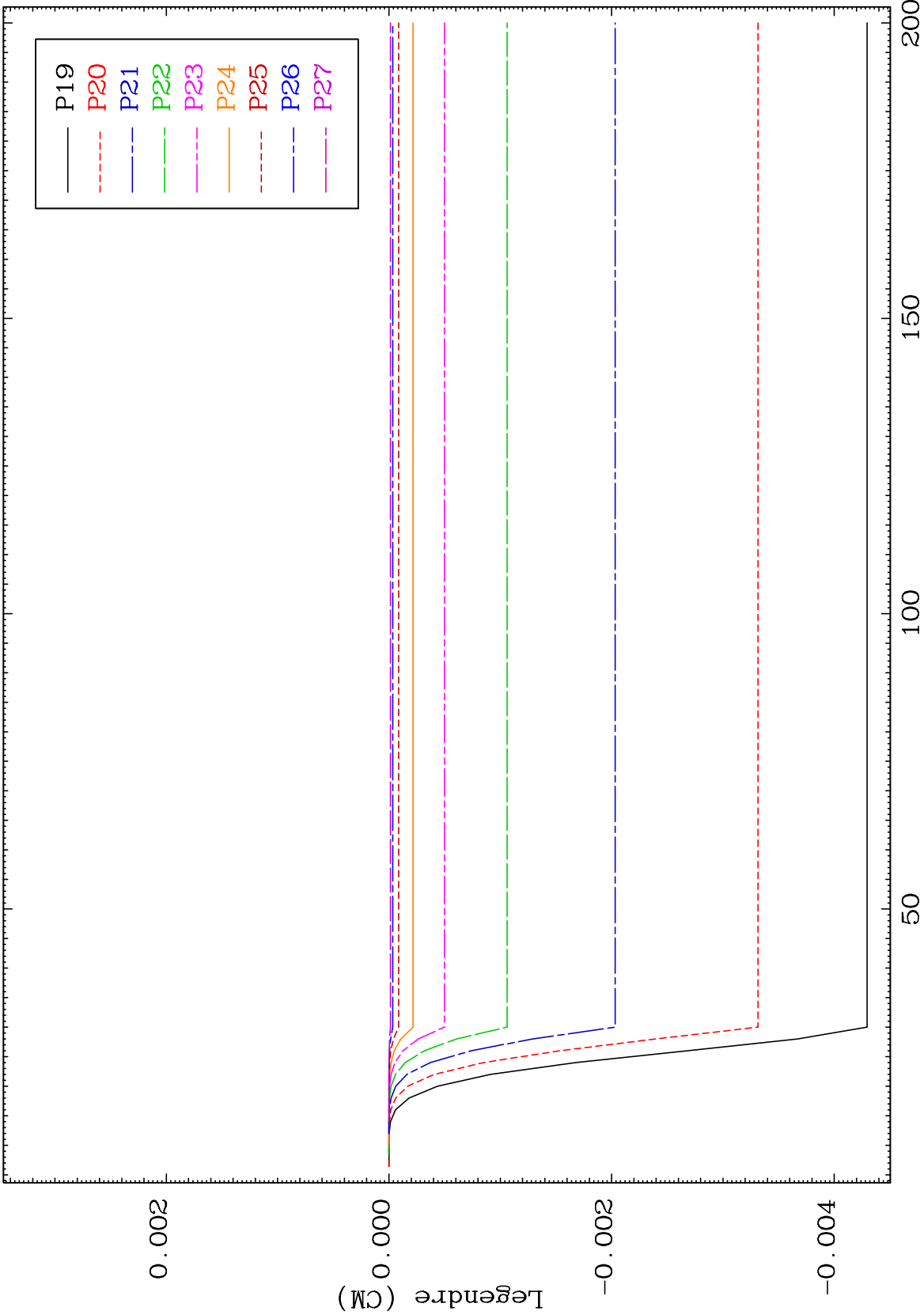
Incident Energy (MeV)

127

MAT 5740

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

57-La-143



128

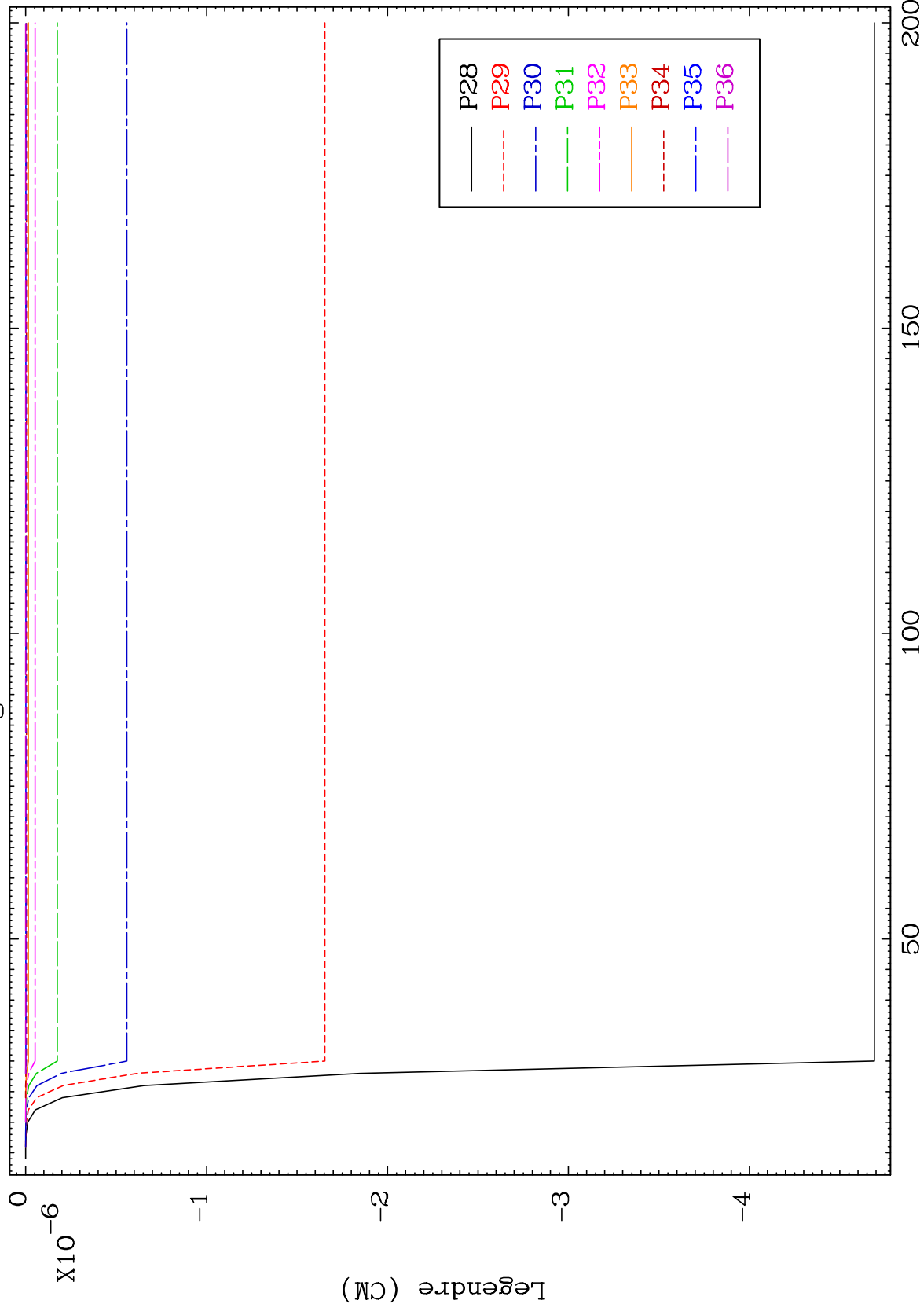
Incident Energy (MeV)

57-La-143

MAT 5740

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

57-La-143



129

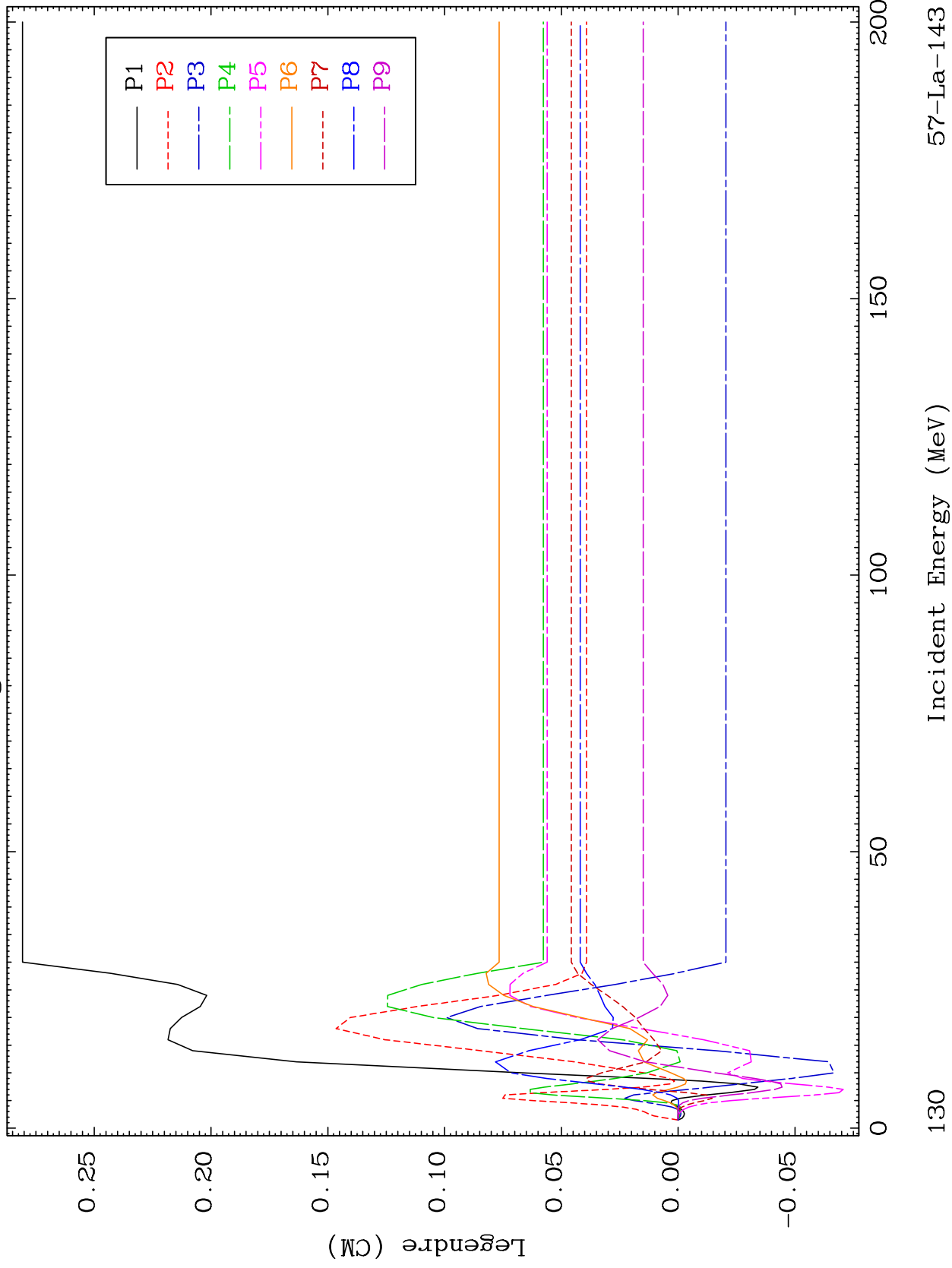
Incident Energy (MeV)

57-La-143

MAT 5740

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

57-La-143



57-La-143

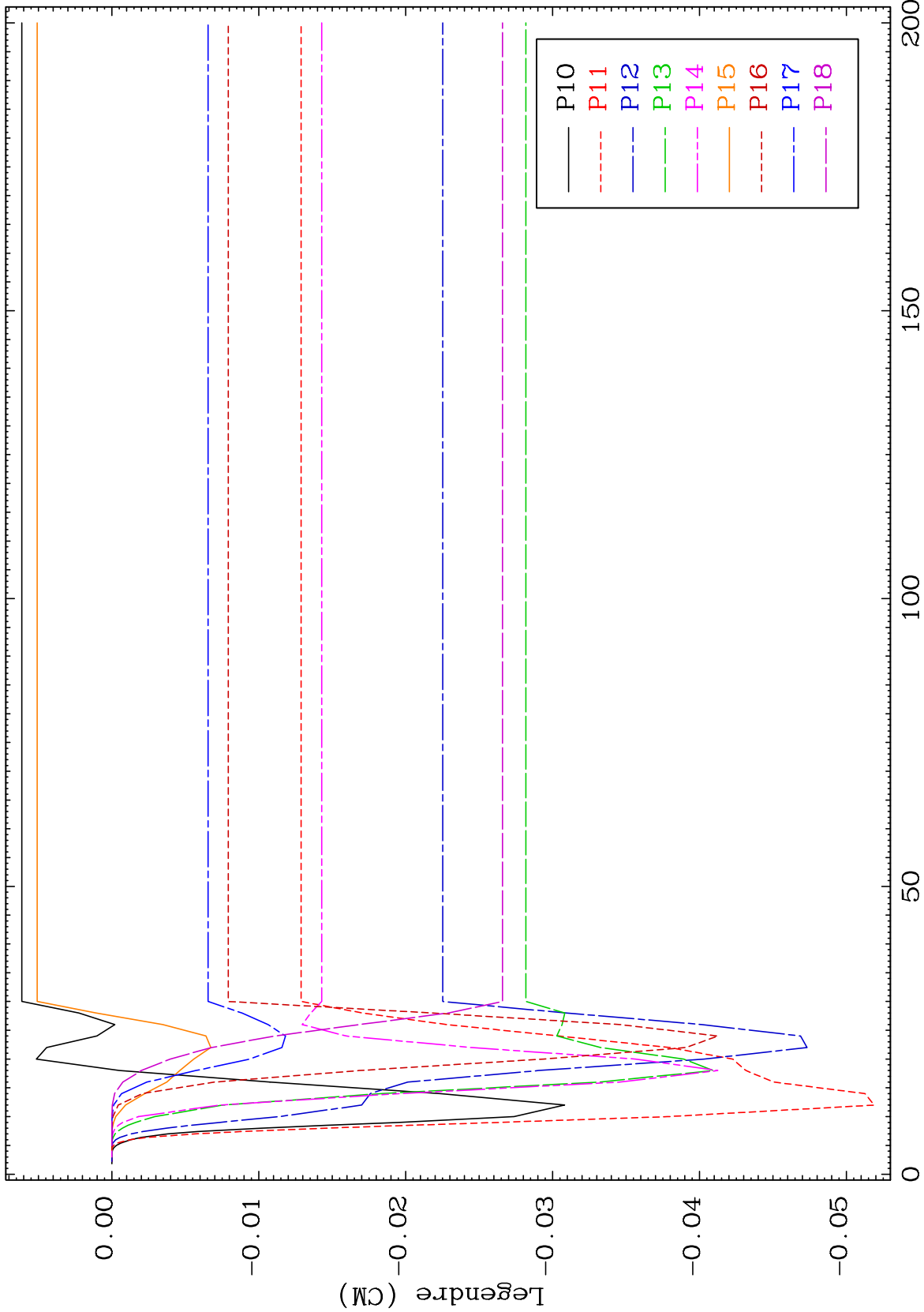
Incident Energy (MeV)

130

MAT 5740

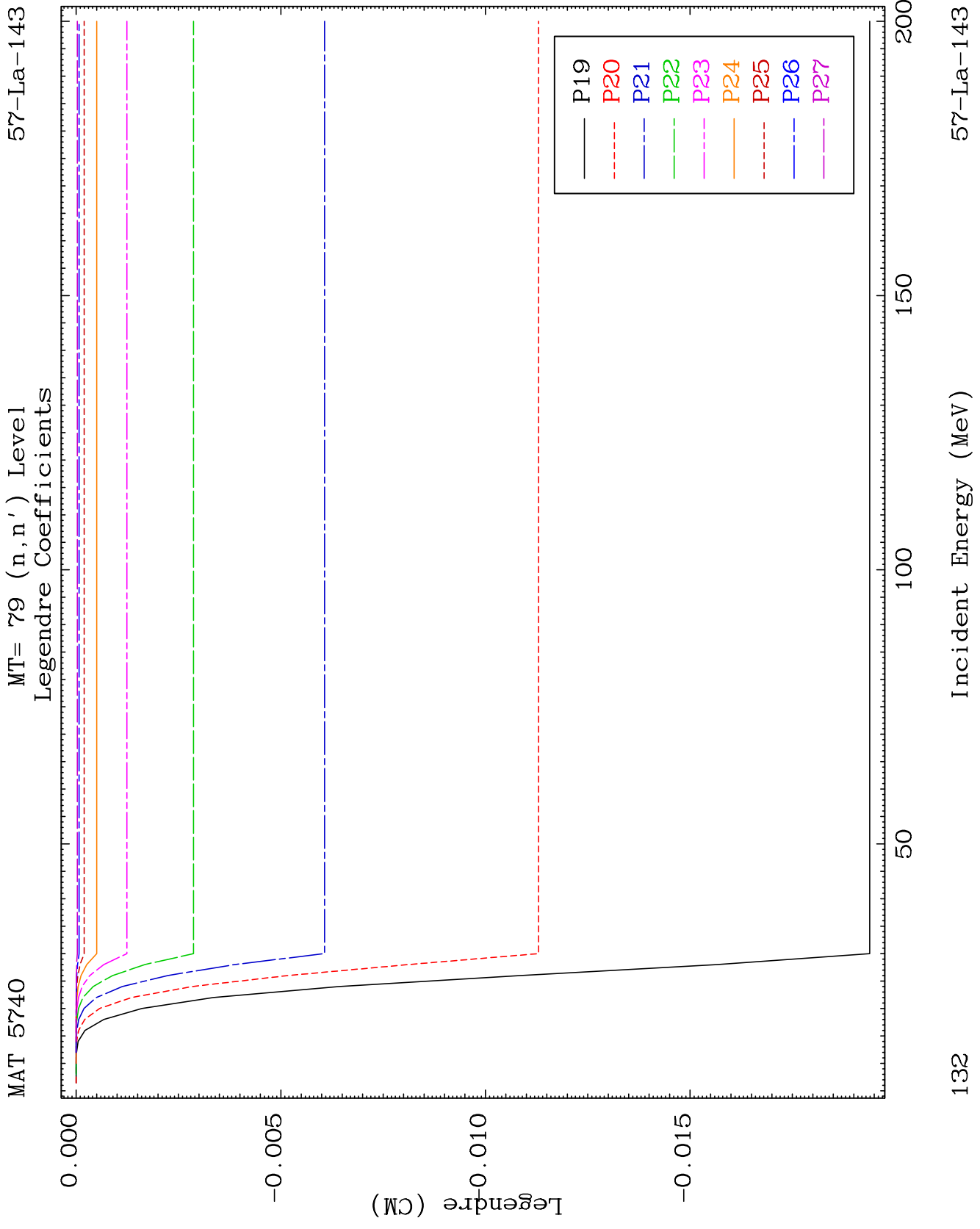
MT= 79 (n,n') Level  
Legendre Coefficients

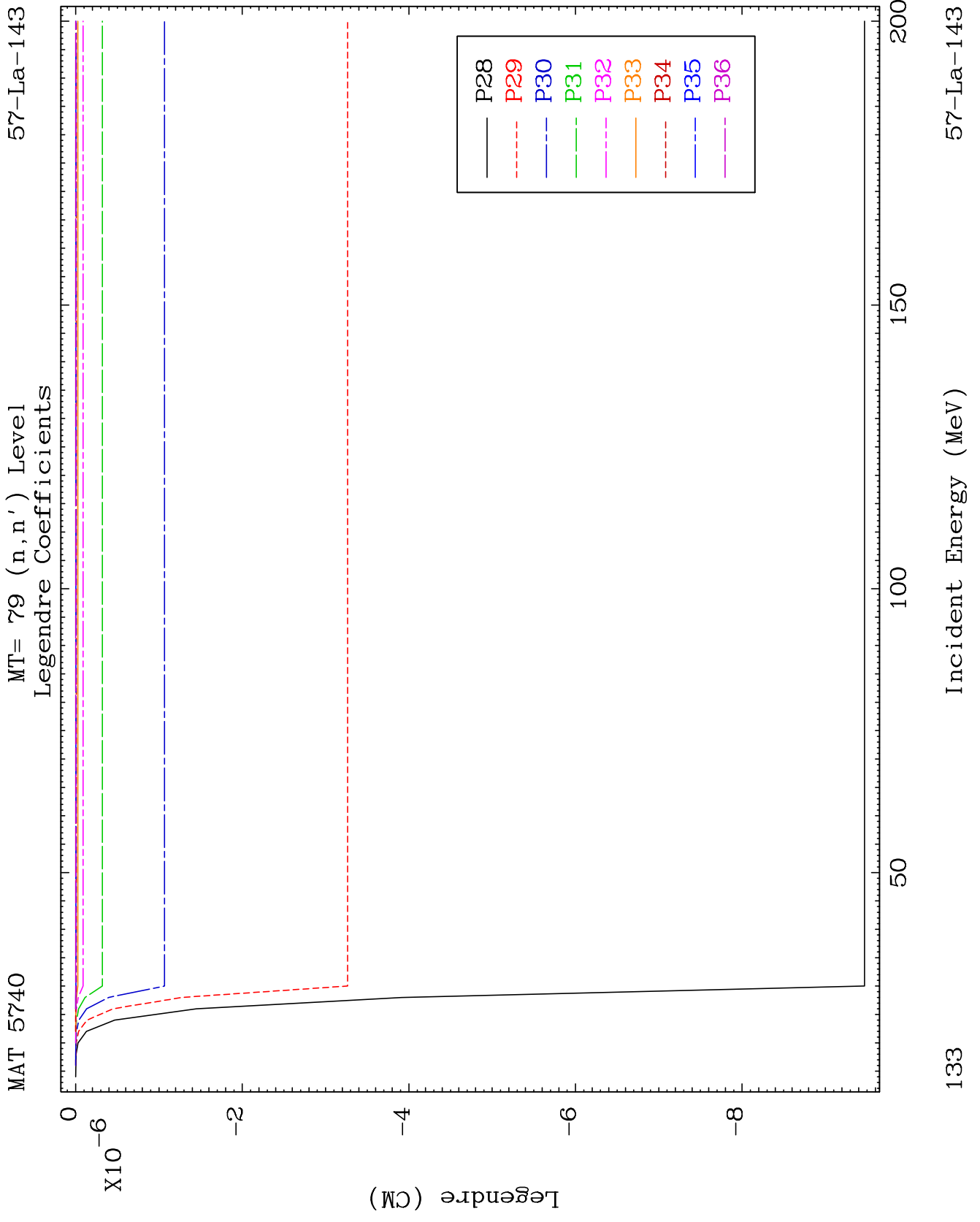
57-La-143



131

57-La-143

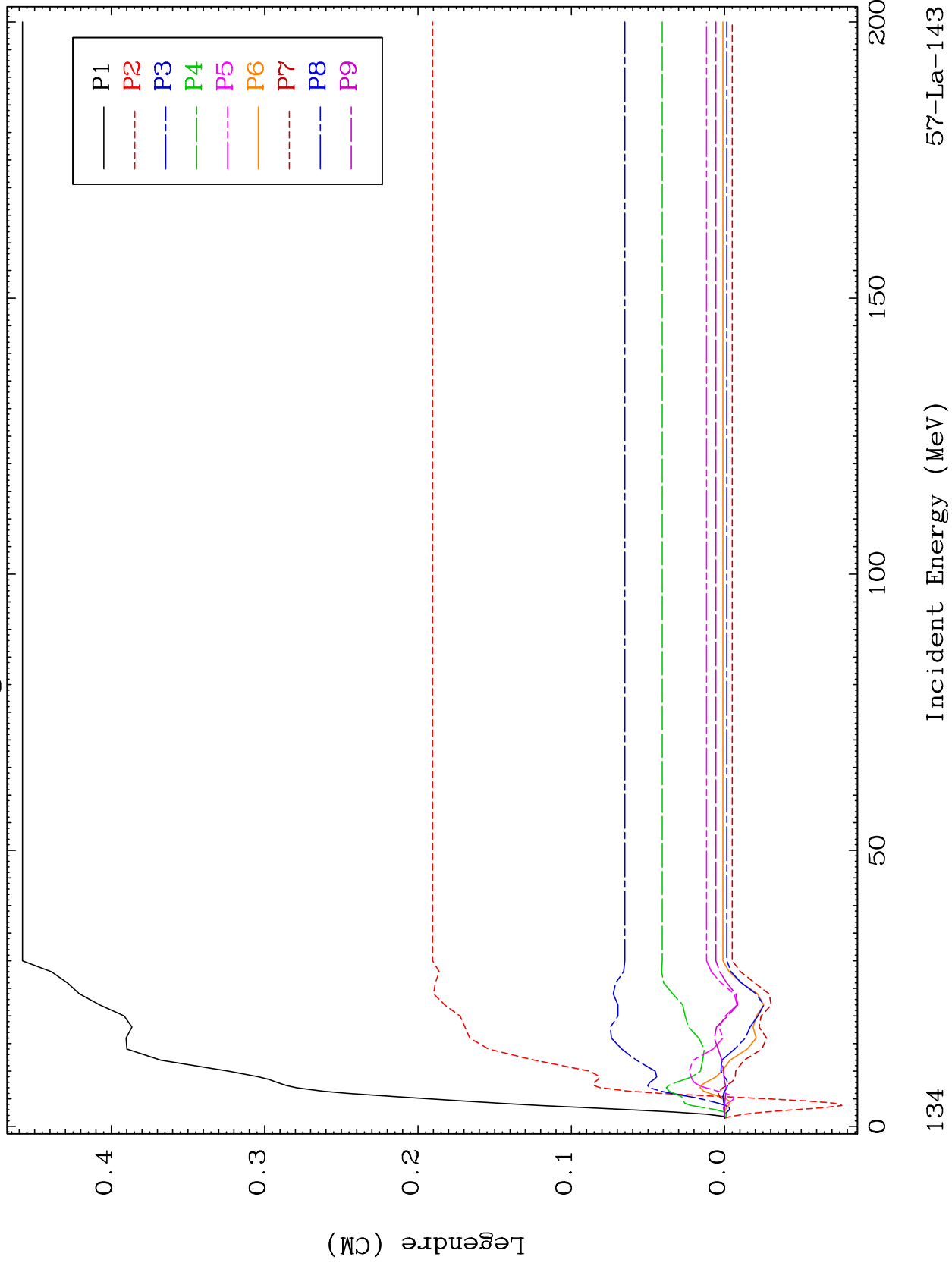




MAT 5740

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

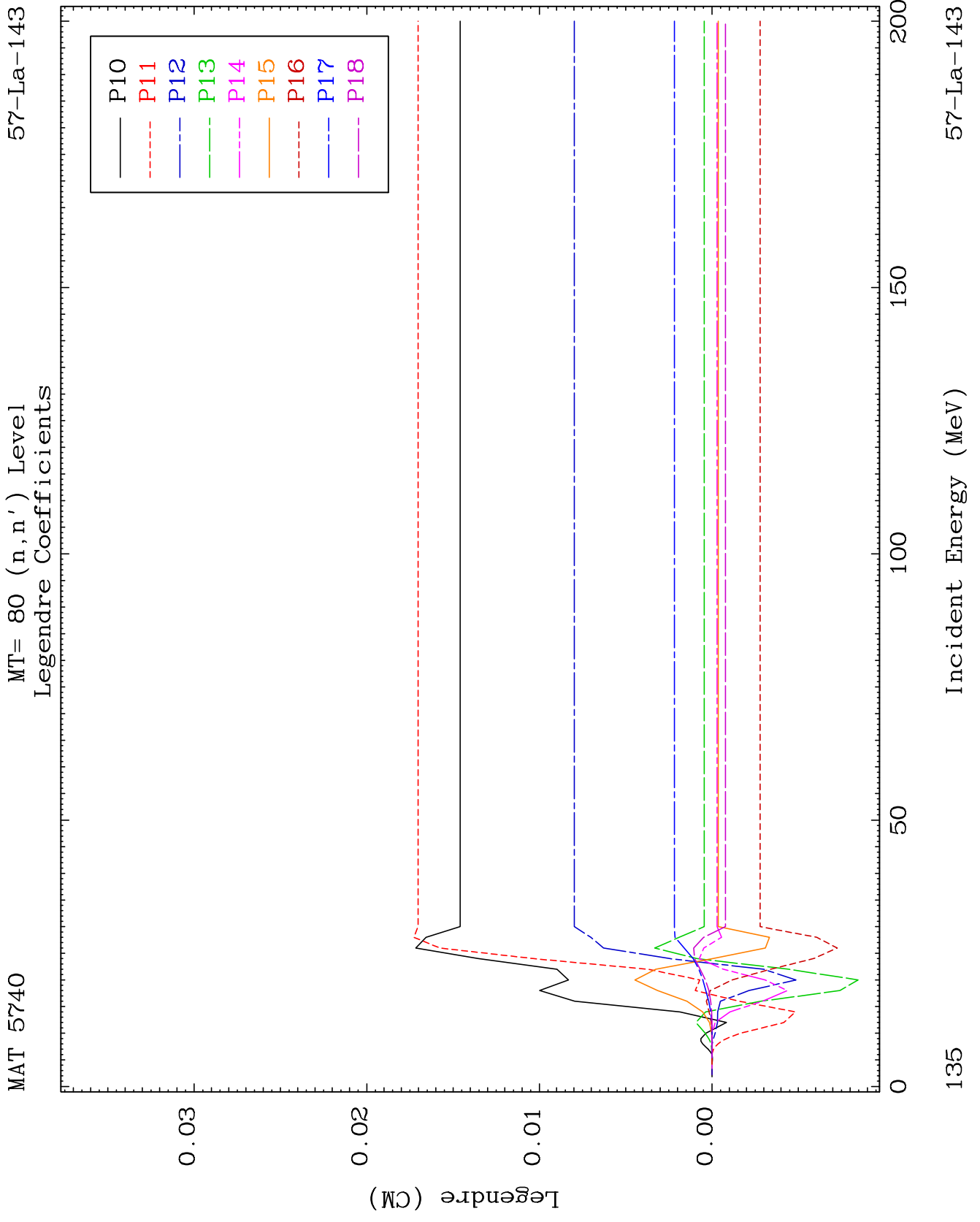
57-La-143



57-La-143

Incident Energy (MeV)

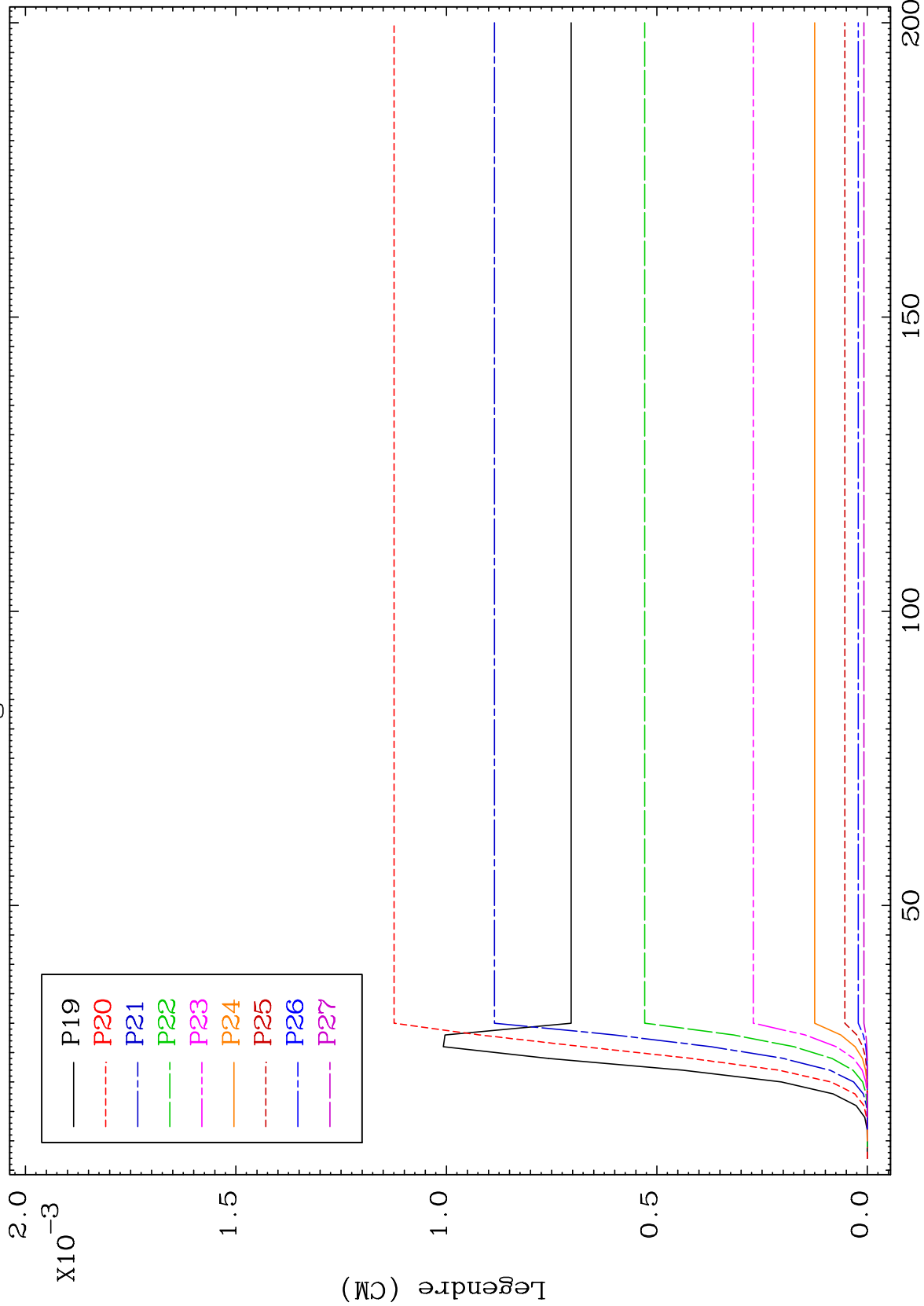
134



MAT 5740

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

57-La-143



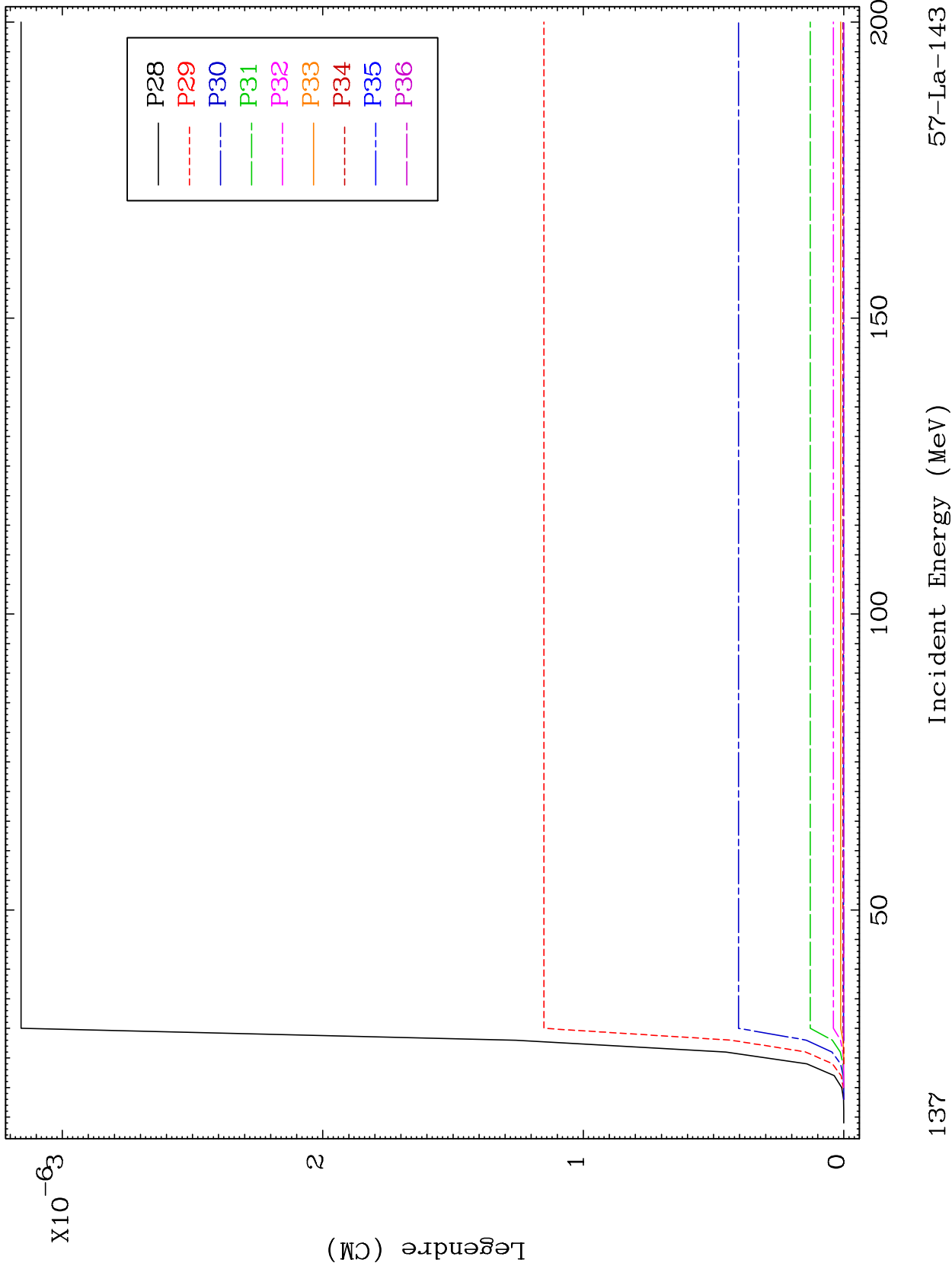
136

57-La-143

MAT 5740

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

57-La-143

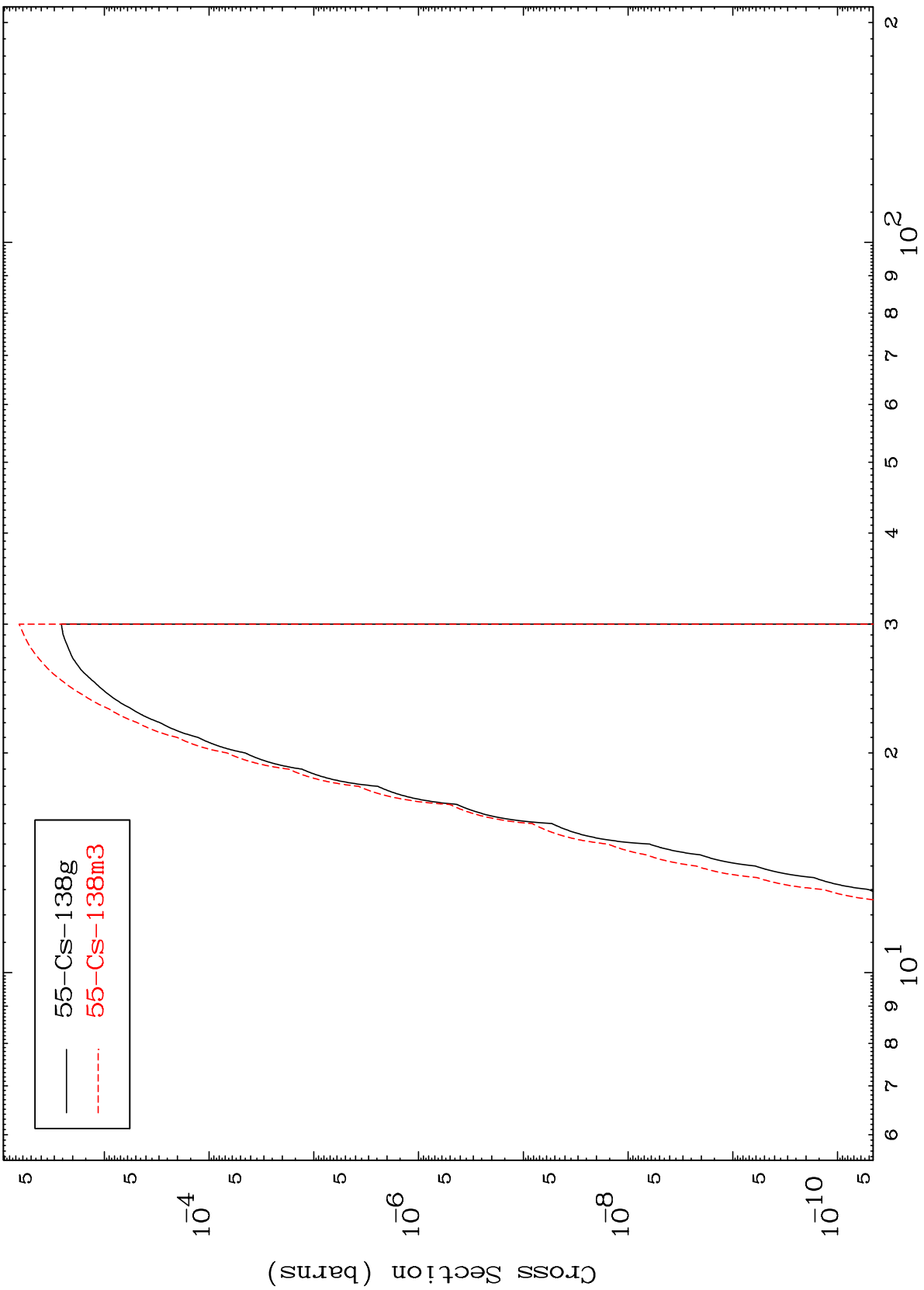


MAT 5740

$(n, 2n) \alpha$

57-La-143

Radionuclide Production Cross Section



55-Cs-138g  
55-Cs-138m3

138

Incident Energy (MeV)

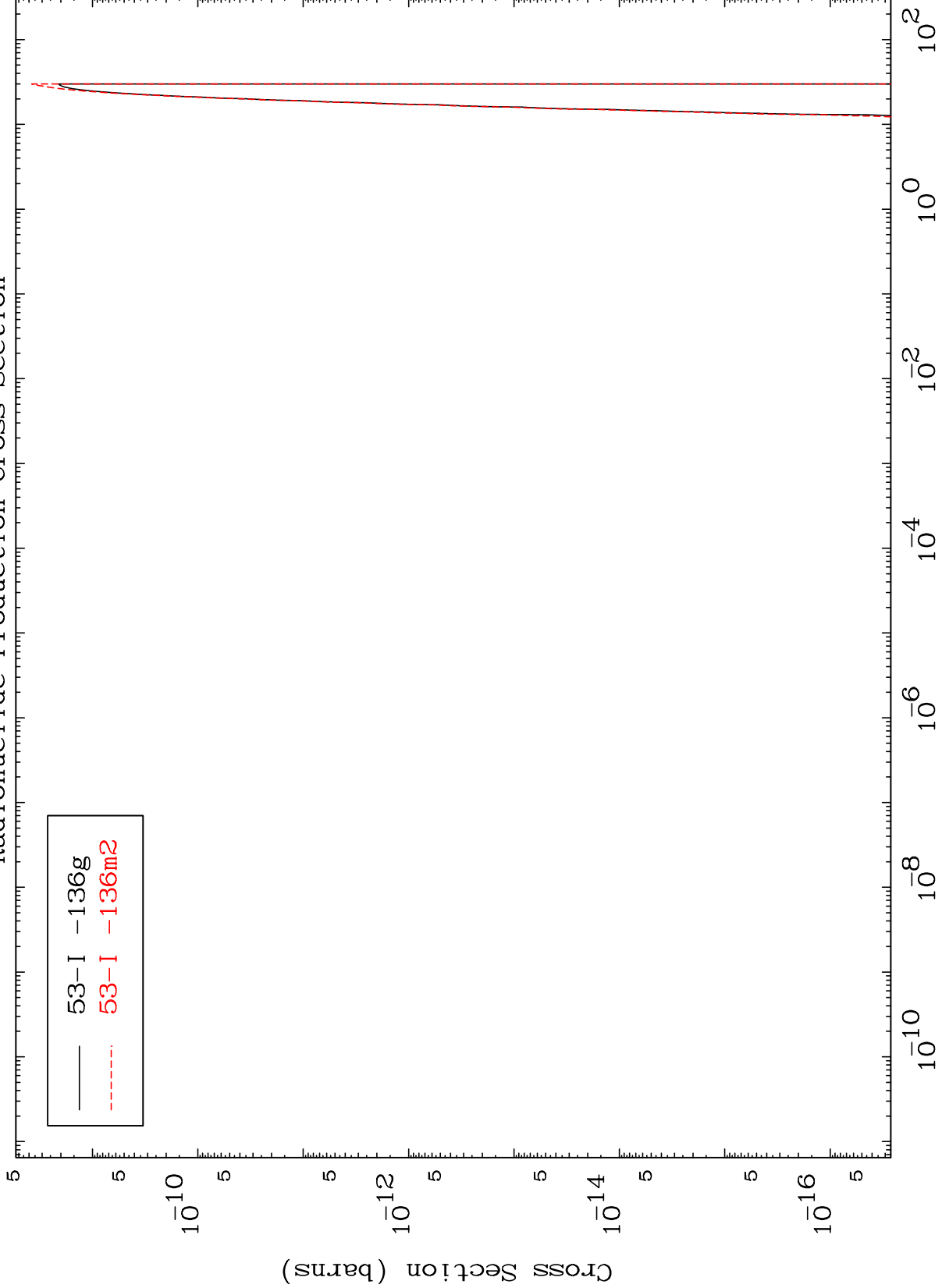
57-La-143

MAT 5740

(n,2α)

57-La-143

Radionuclide Production Cross Section



53-I -136g  
53-I -136m2