

Program EVALPLOT
(Version 2017-1)

by

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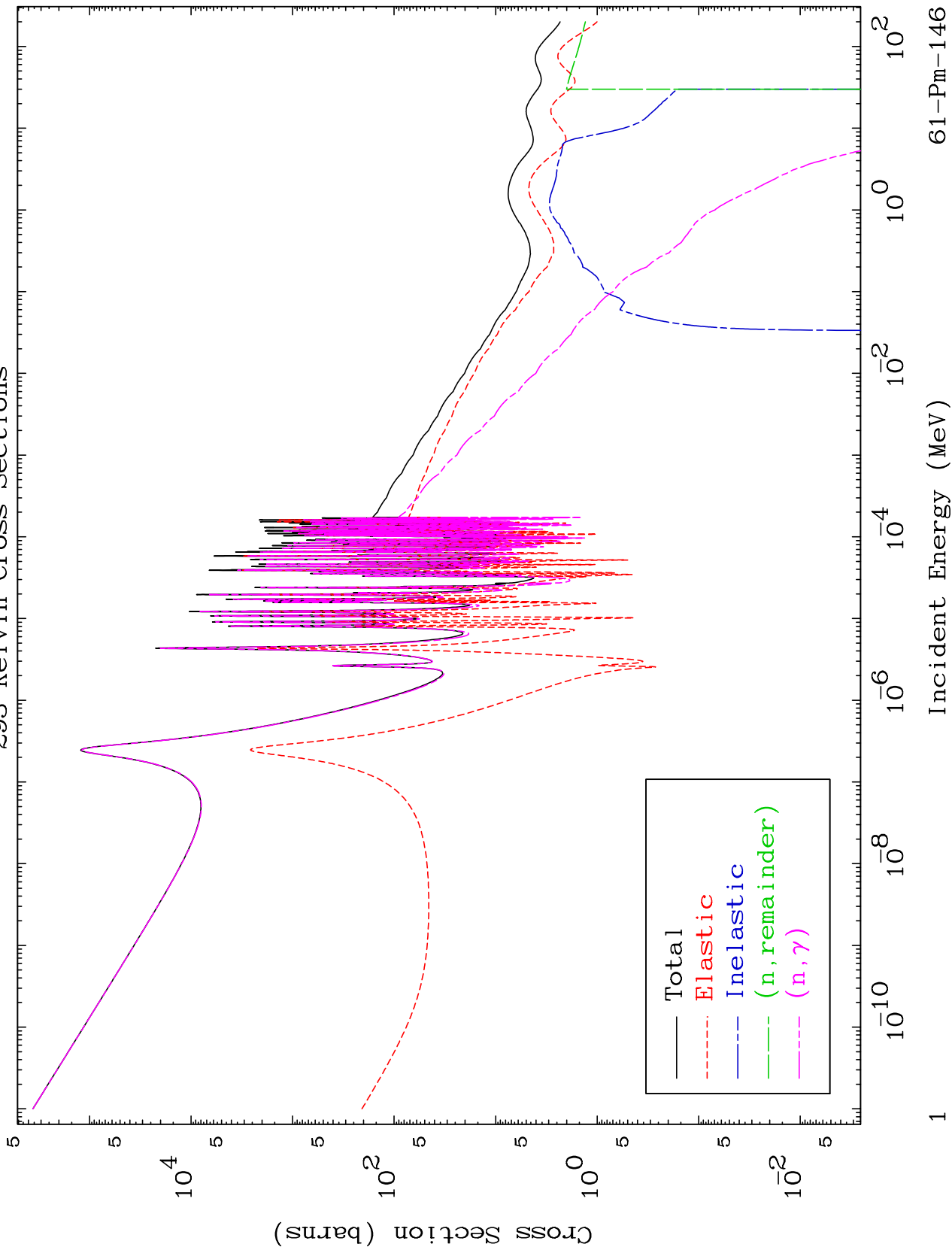
Press Mouse Button to Start

MAT 6146

Major

293 Kelvin Cross Sections

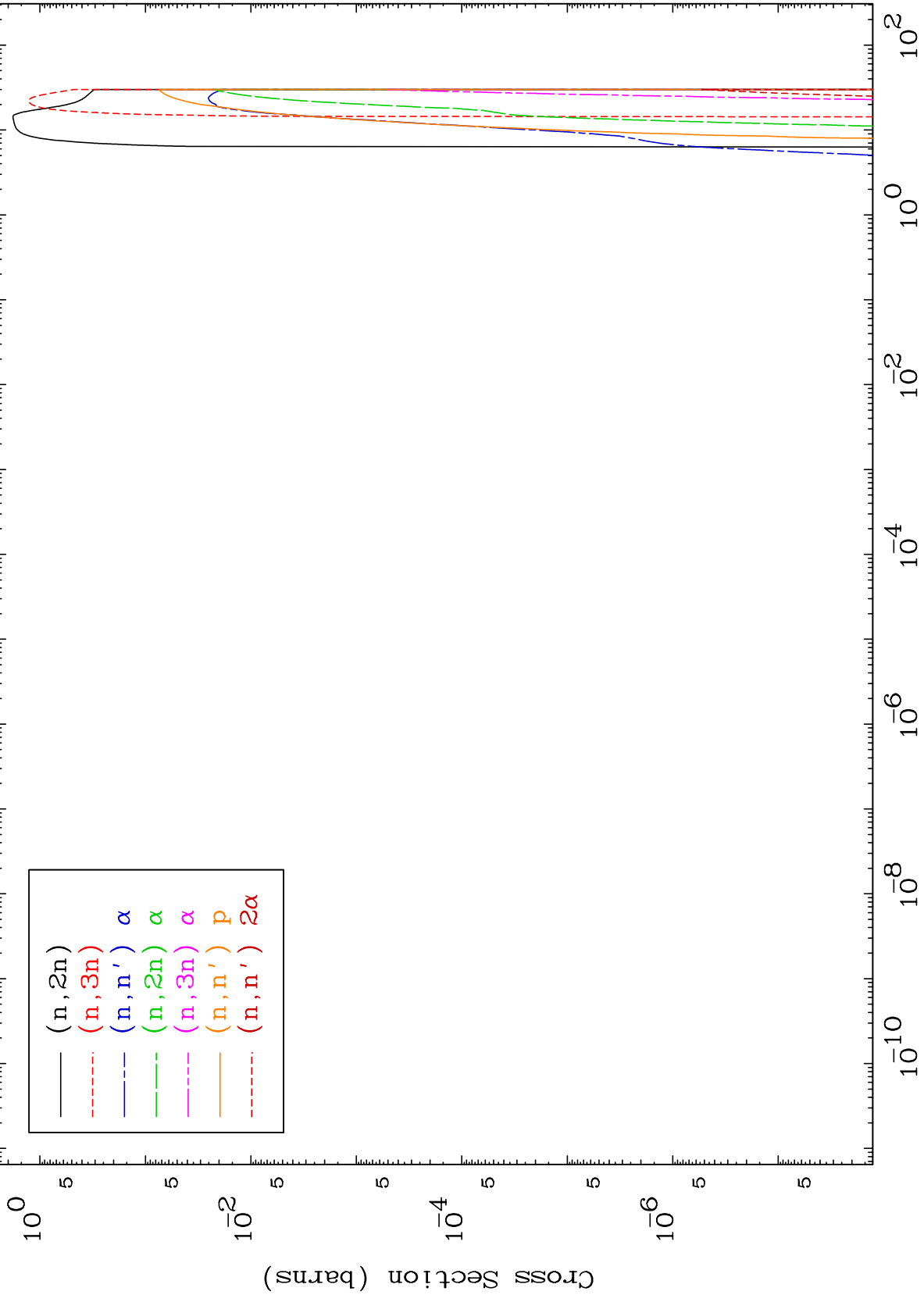
61-Pm-146



MAT 6146

Neutron Production
293 Kelvin Cross Sections

61-Pm-146



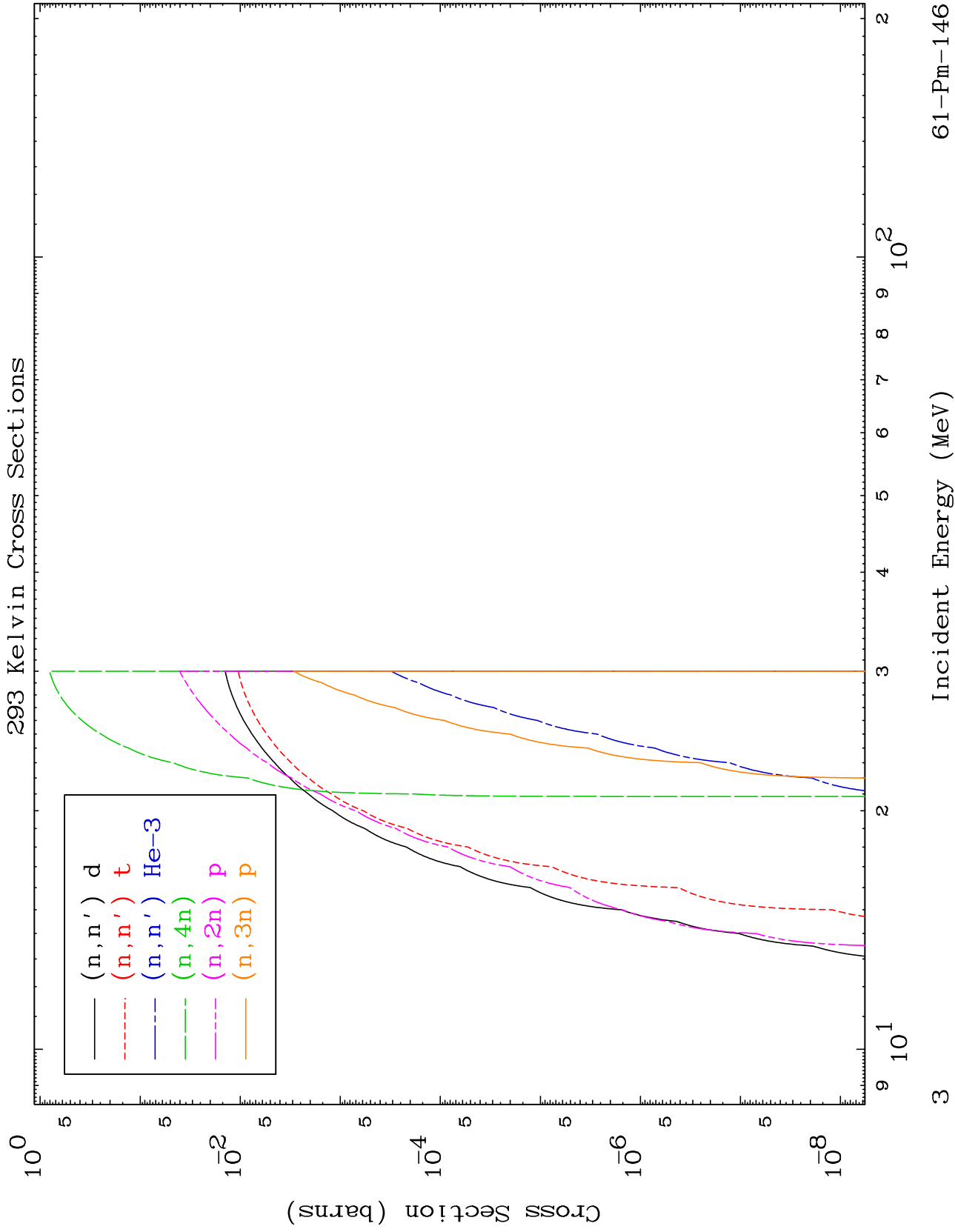
61-Pm-146

Incident Energy (MeV)

MAT 6146

Neutron Production
293 Kelvin Cross Sections

61-Pm-146



61-Pm-146

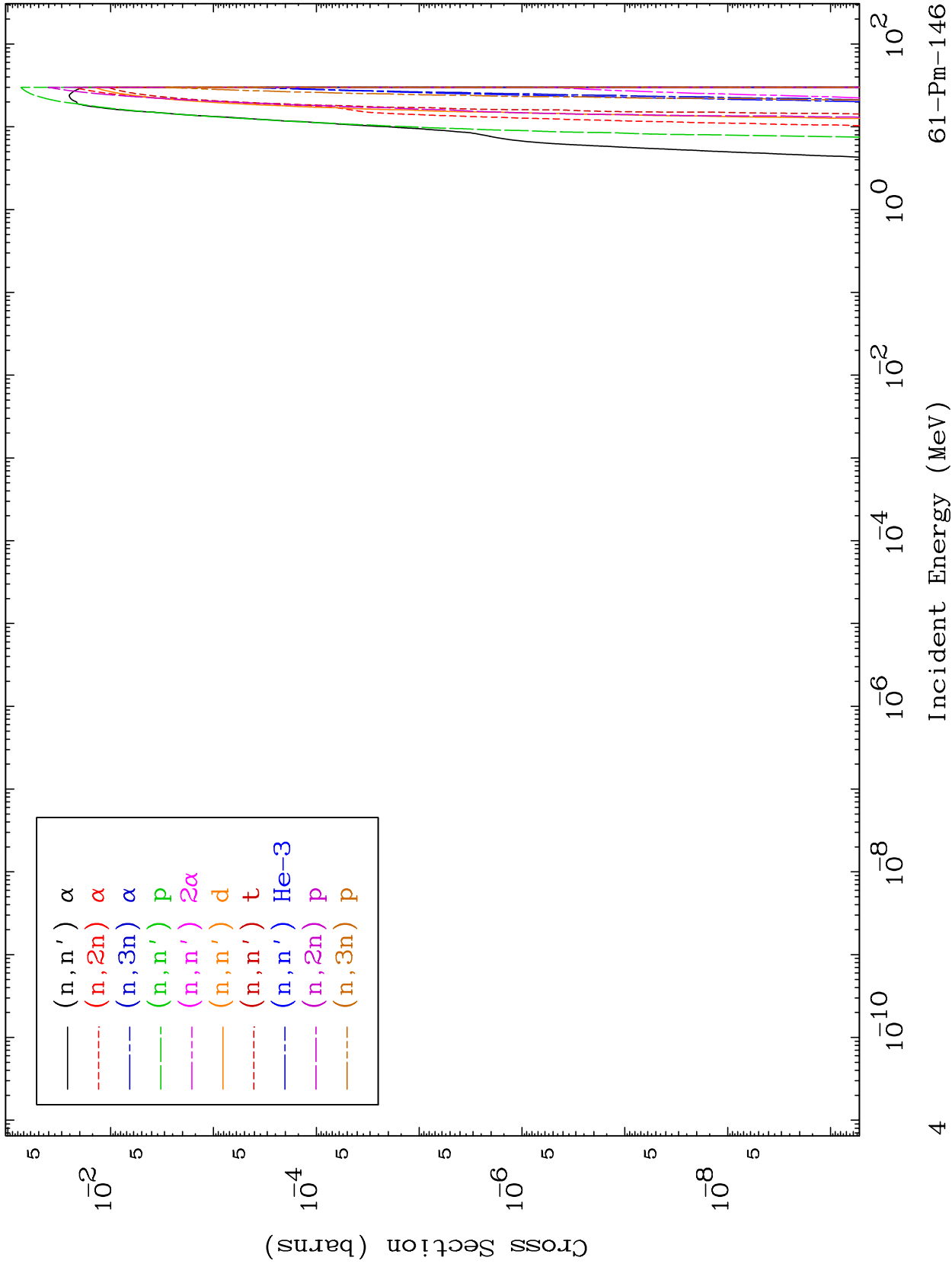
Incident Energy (MeV)

3

MAT 6146

Charged Particle
293 Kelvin Cross Sections

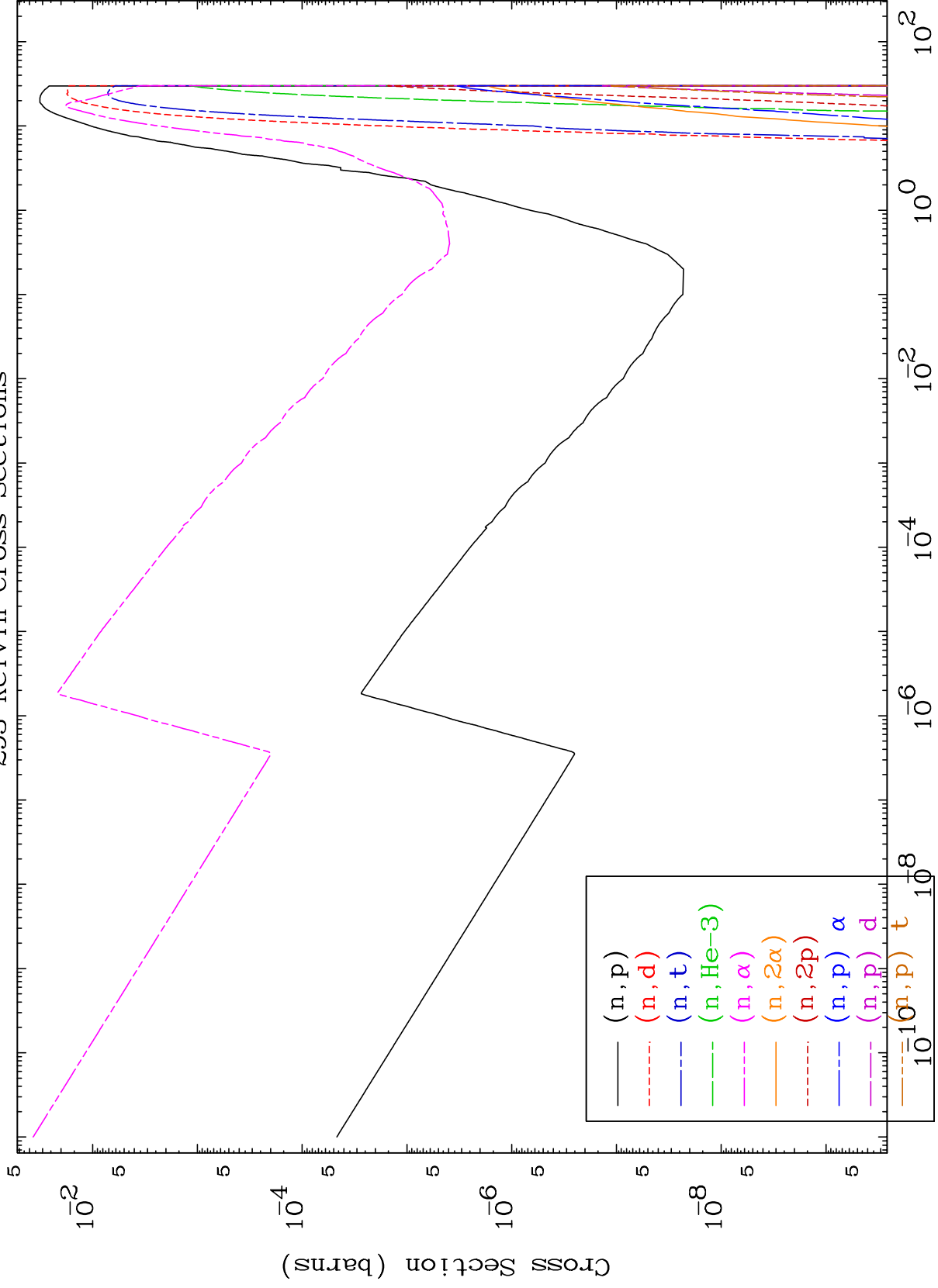
61-Pm-146

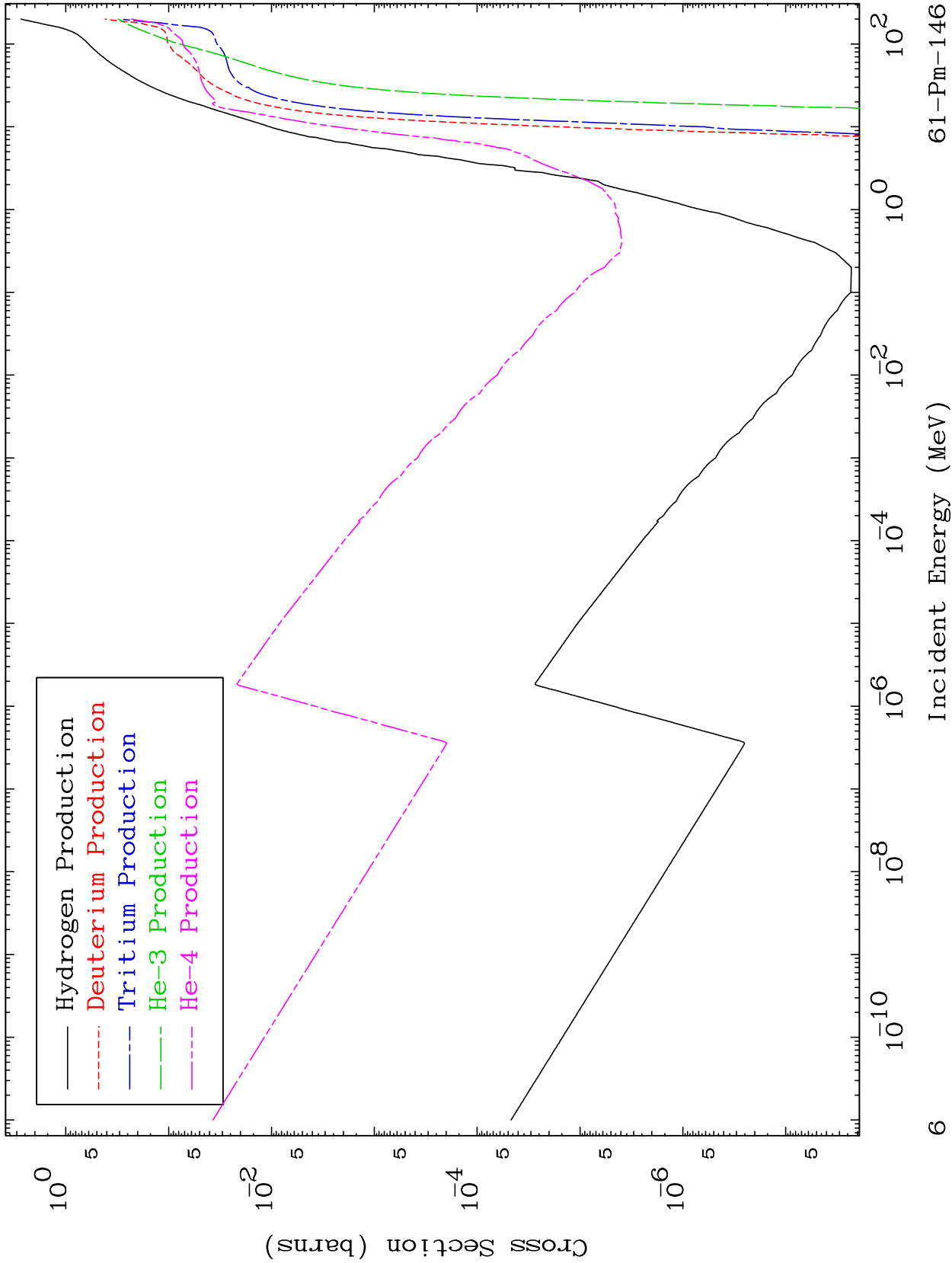


MAT 6146

Charged Particle
293 Kelvin Cross Sections

61-Pm-146



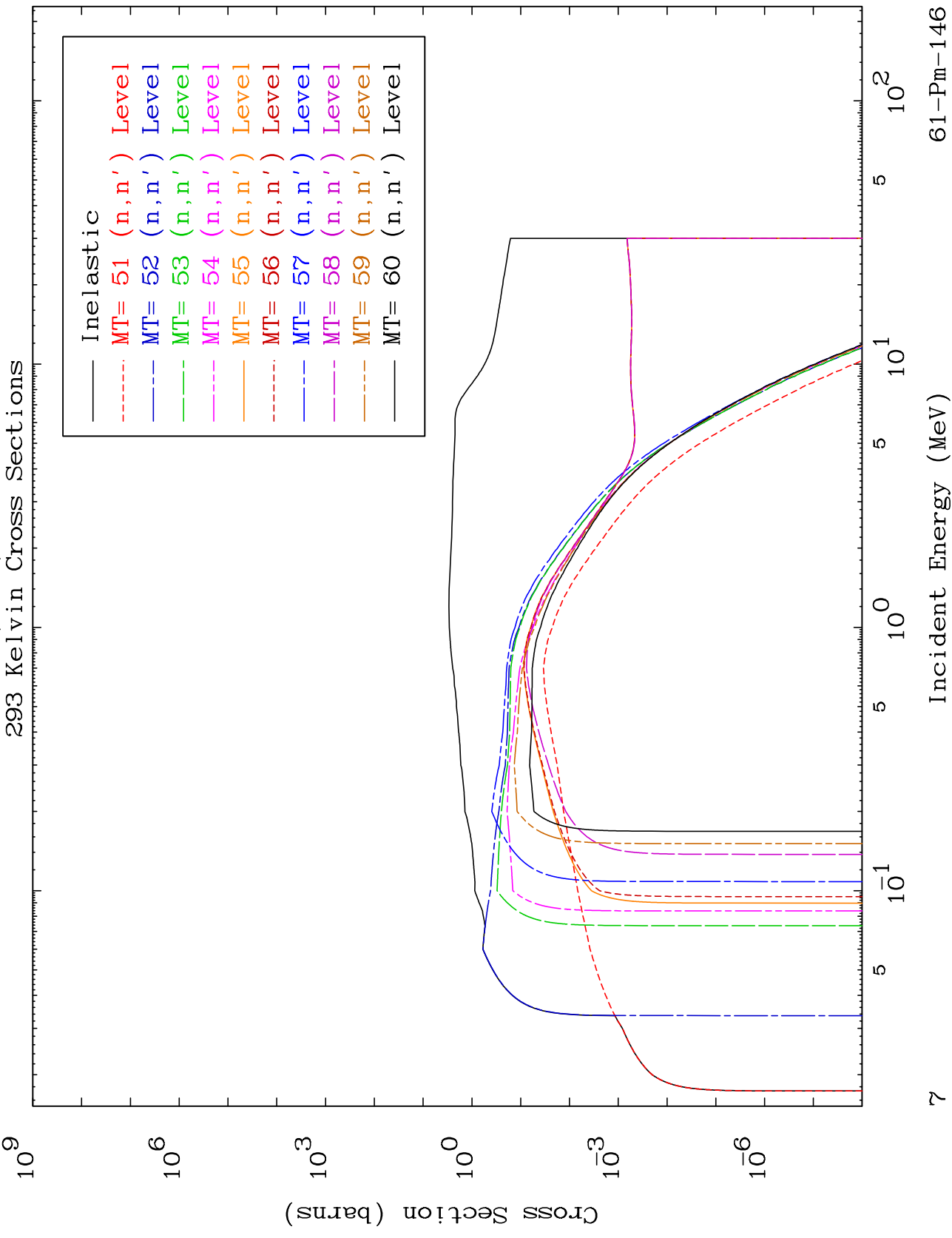


MAT 6146

(n,n') Level

61-Pm-146

293 Kelvin Cross Sections

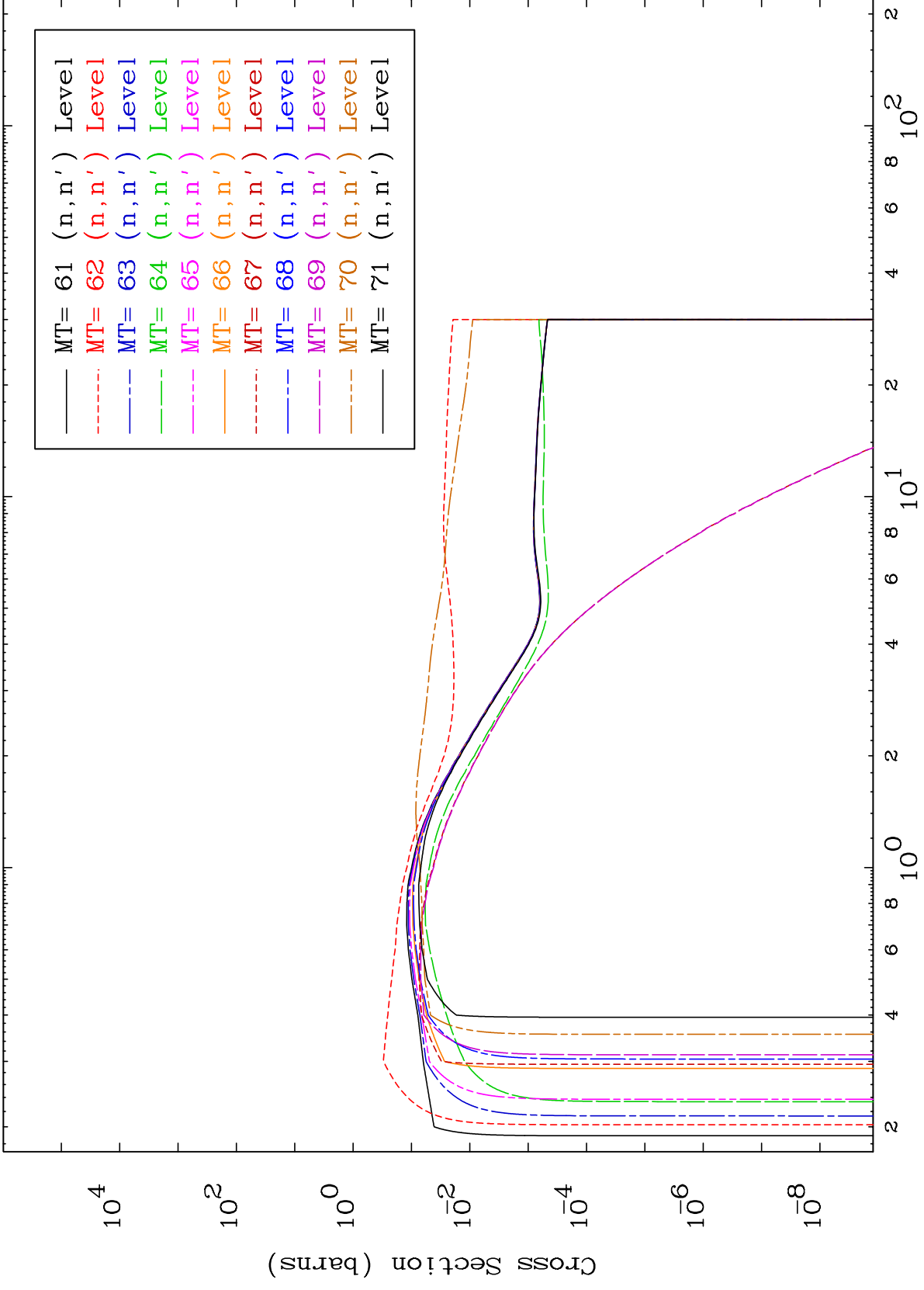


MAT 6146

(n,n') Level

61-Pm-146

293 Kelvin Cross Sections

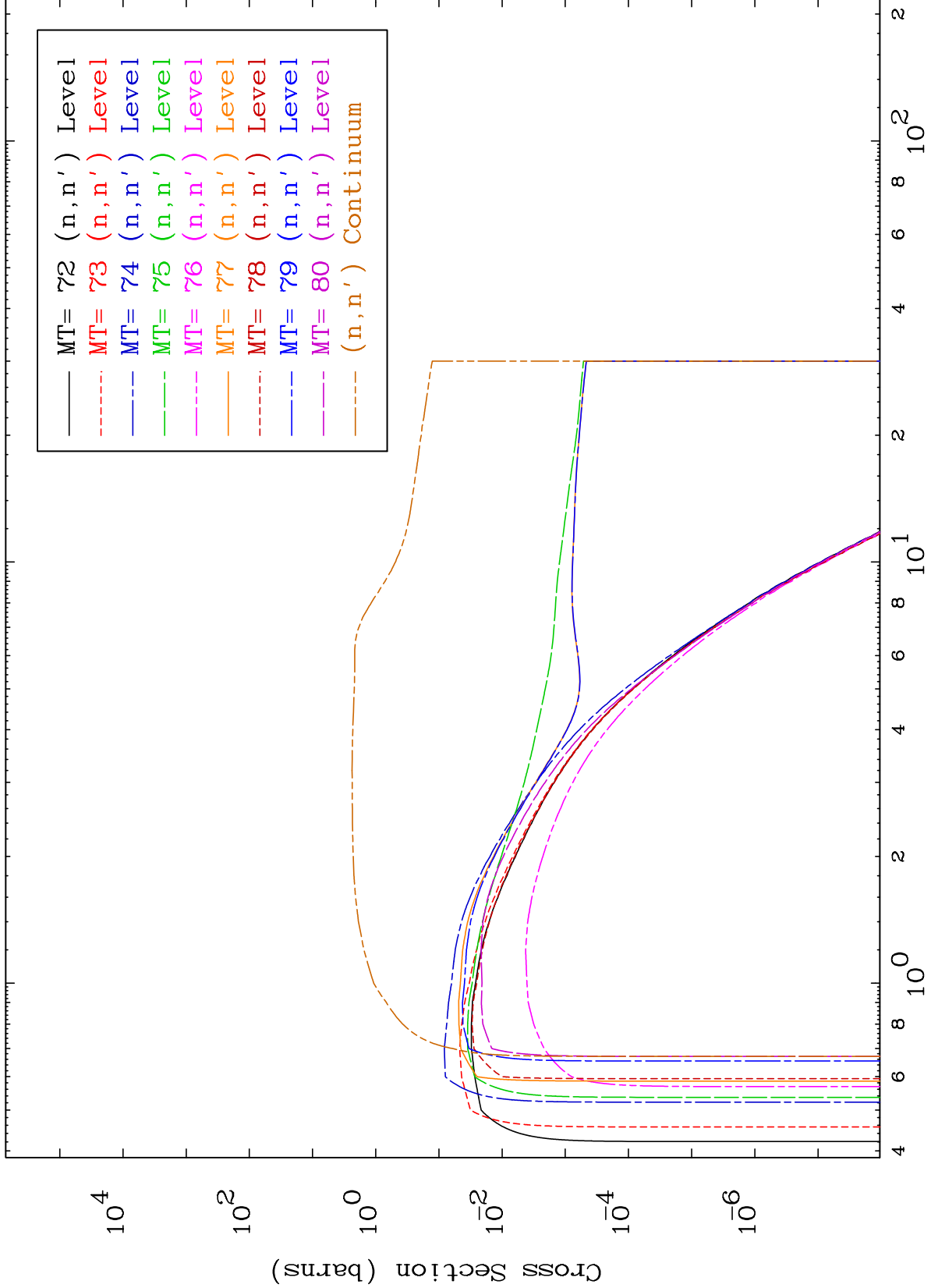


8

Incident Energy (MeV)

61-Pm-146

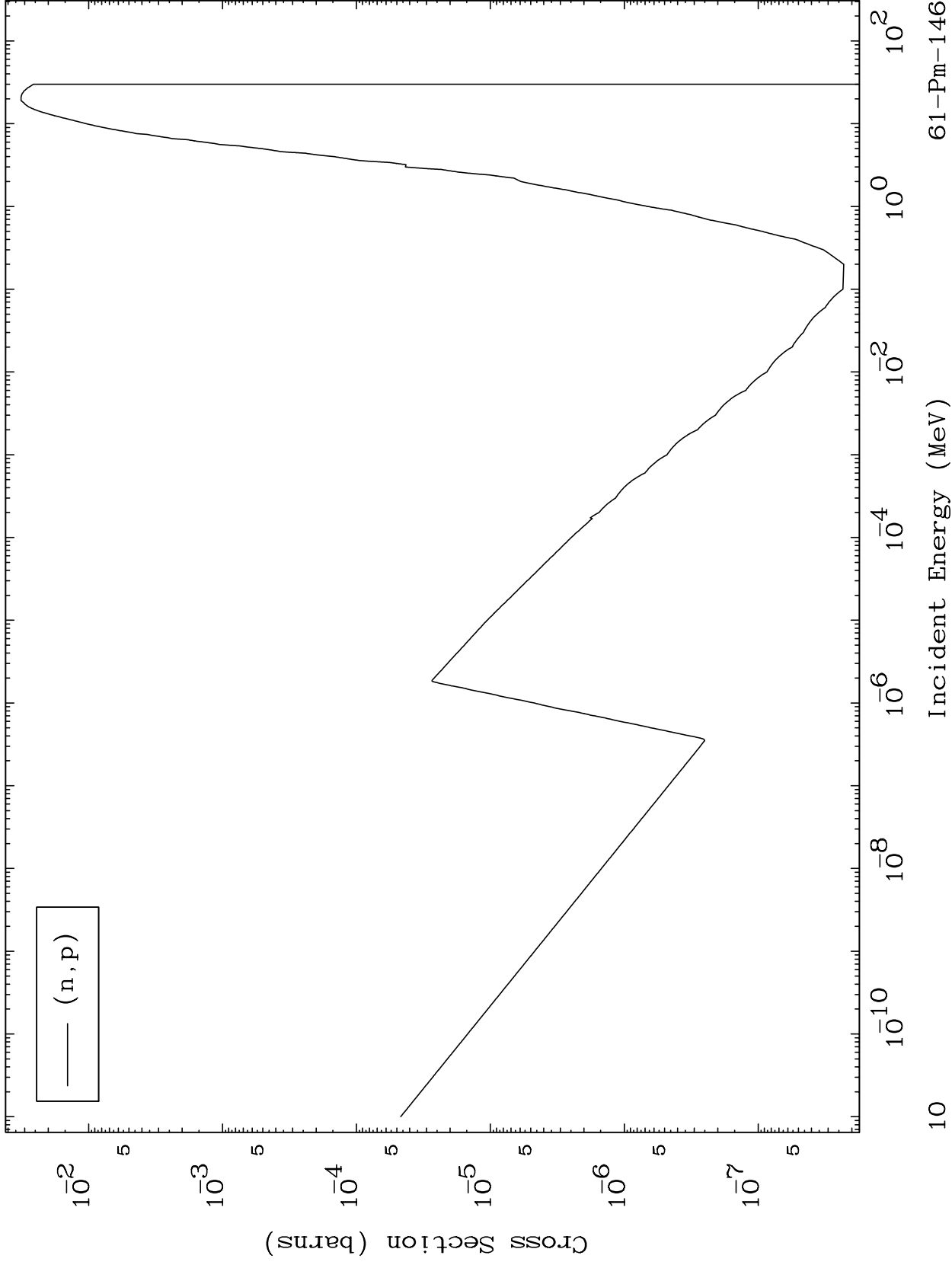
293 Kelvin Cross Sections



MAT 6146

(n,p) Levels
293 Kelvin Cross Sections

61-Pm-146



10

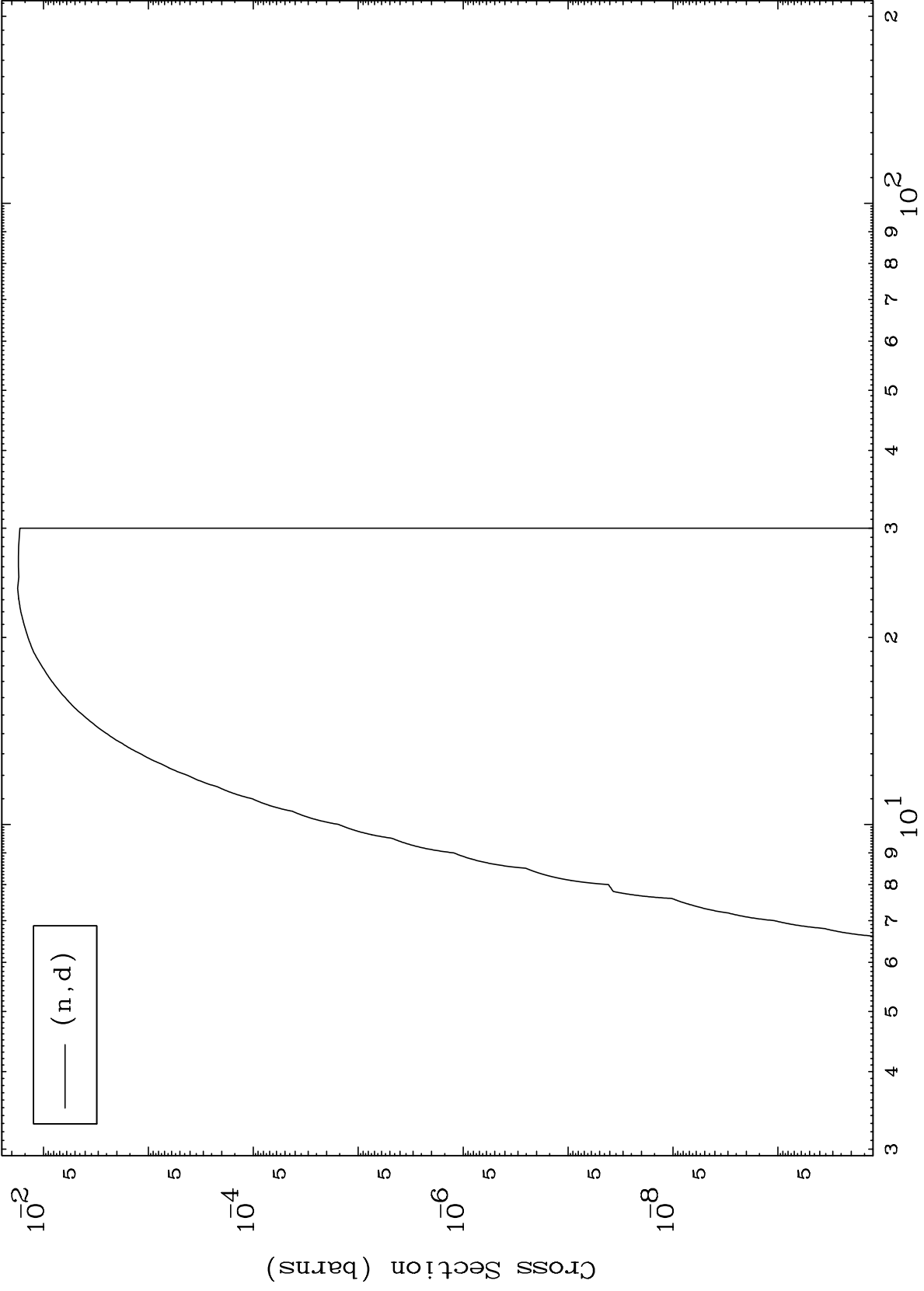
Incident Energy (MeV)

61-Pm-146

MAT 6146

(n,d) Levels
293 Kelvin Cross Sections

61-Pm-146



11

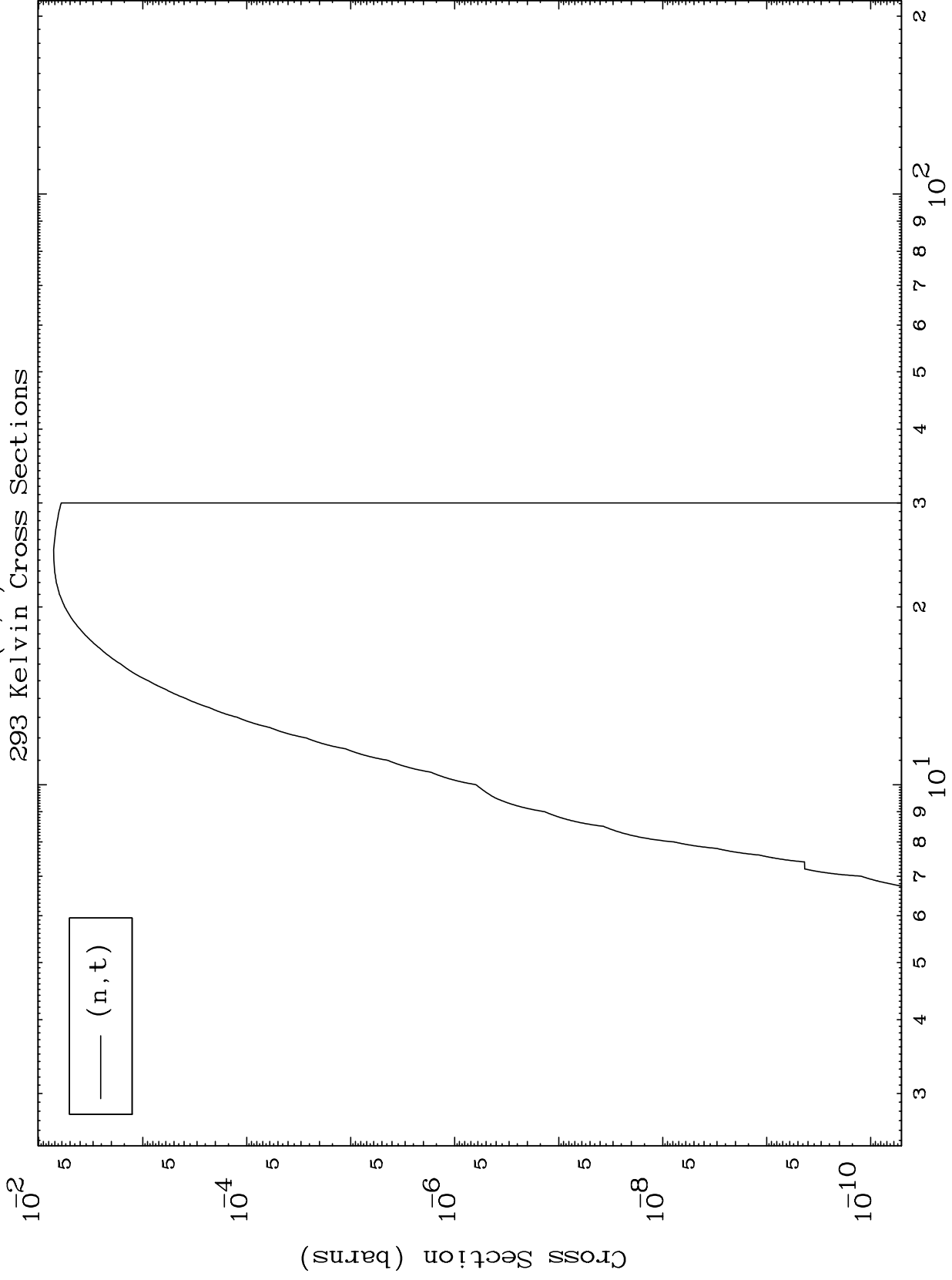
Incident Energy (MeV)

61-Pm-146

MAT 6146

(n,t) Levels
293 Kelvin Cross Sections

61-Pm-146



12

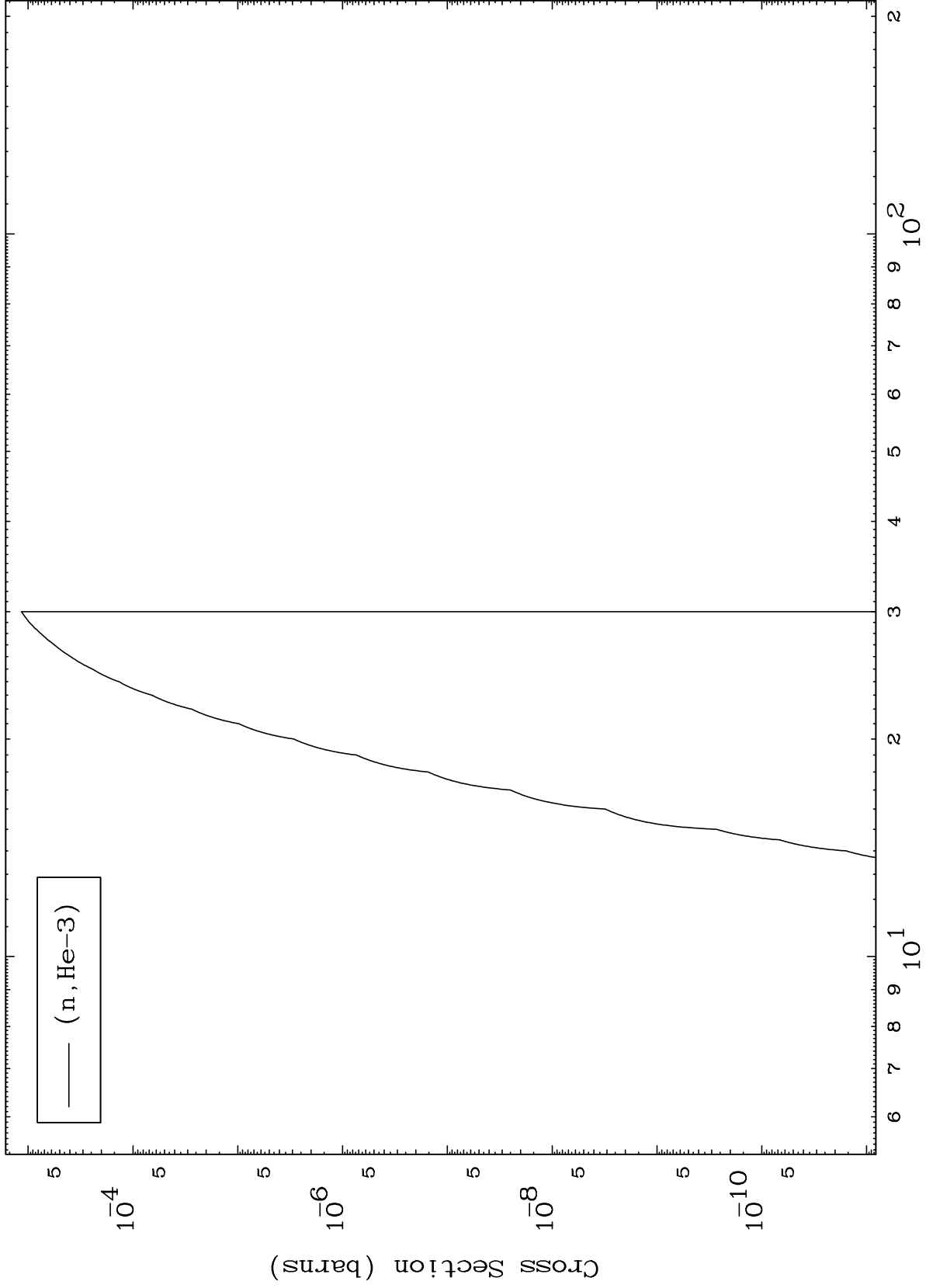
Incident Energy (MeV)

61-Pm-146

MAT 6146

(n,He3) Levels
293 Kelvin Cross Sections

61-Pm-146



13

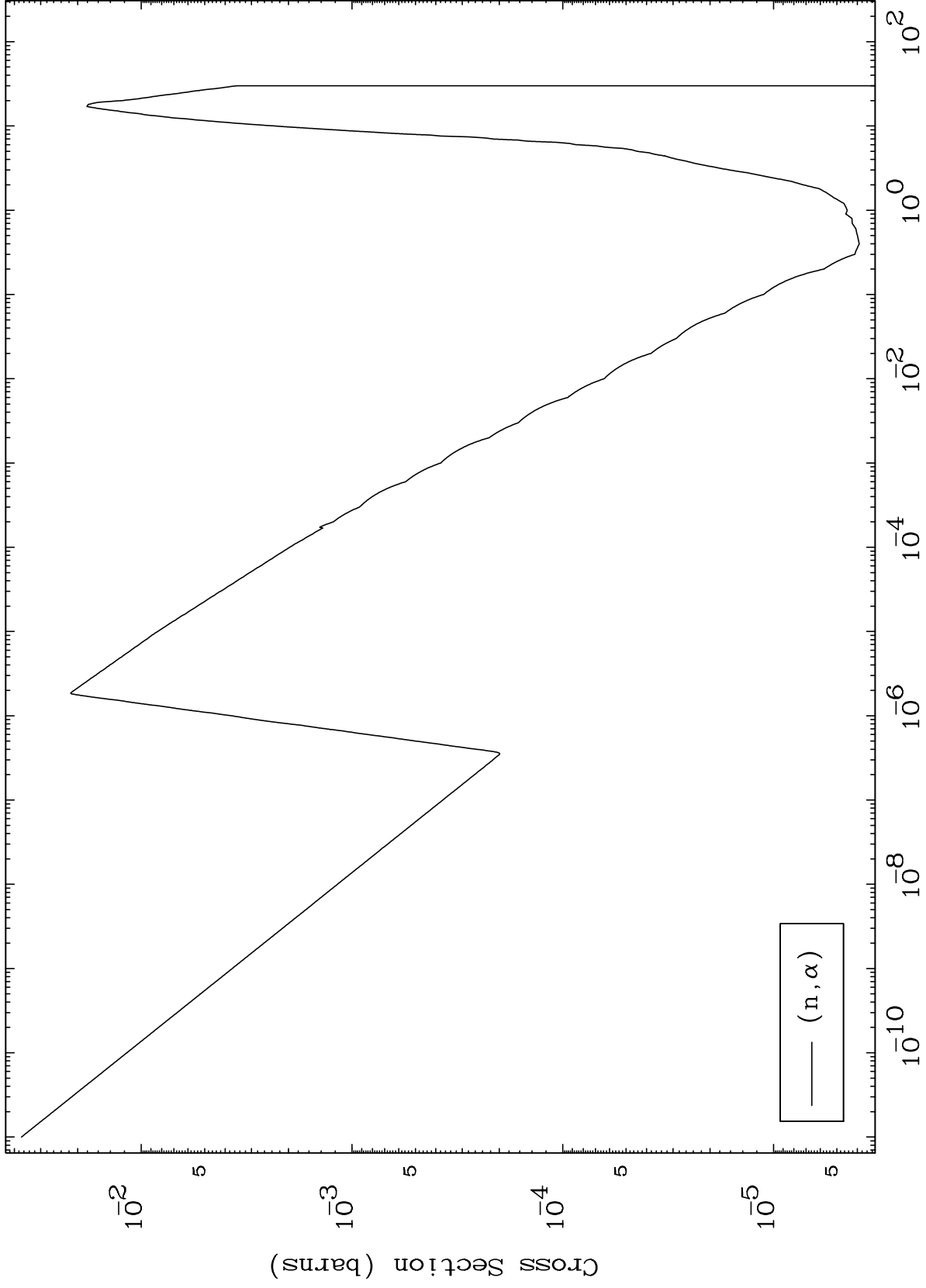
Incident Energy (MeV)

61-Pm-146

MAT 6146

(n, α) Levels
293 Kelvin Cross Sections

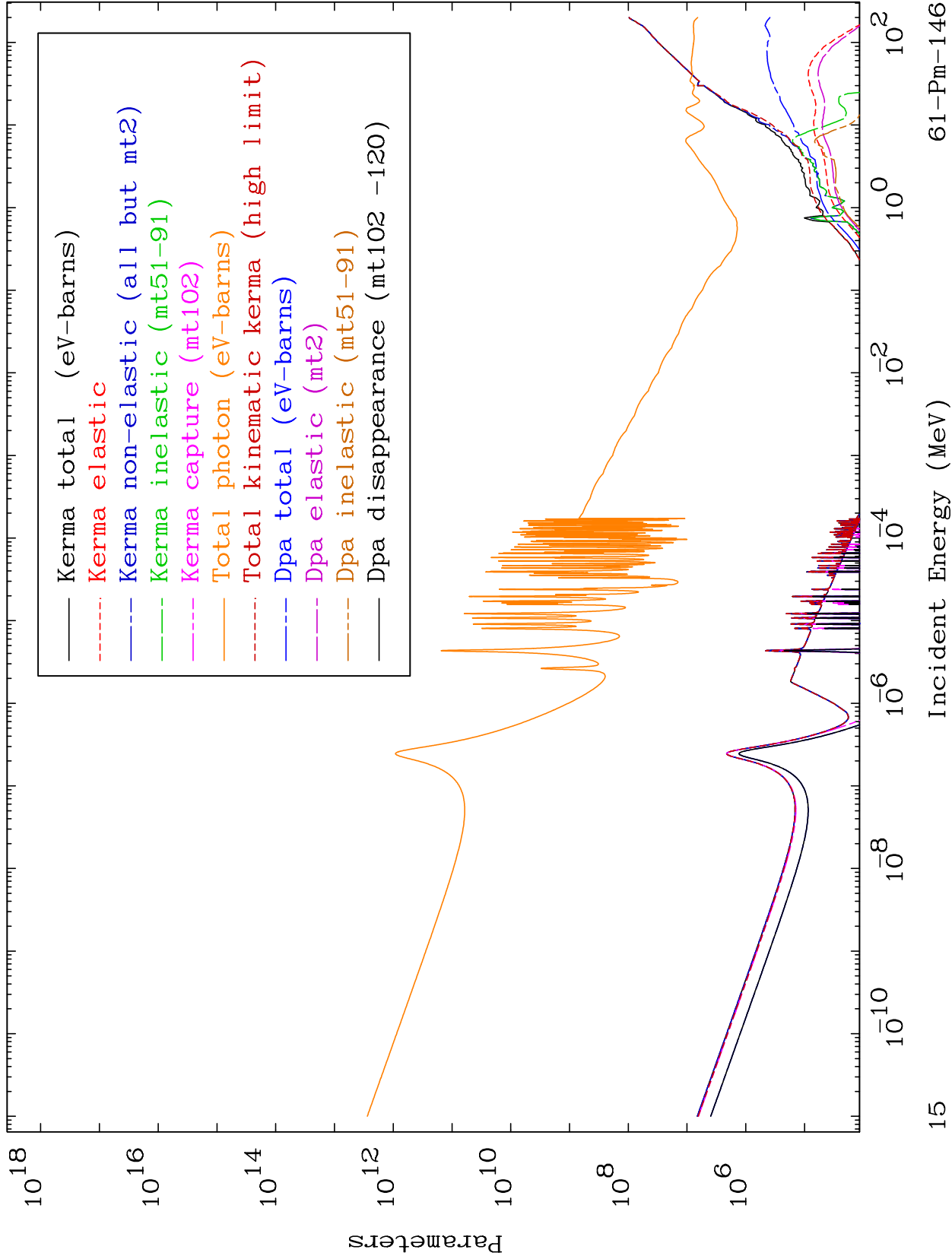
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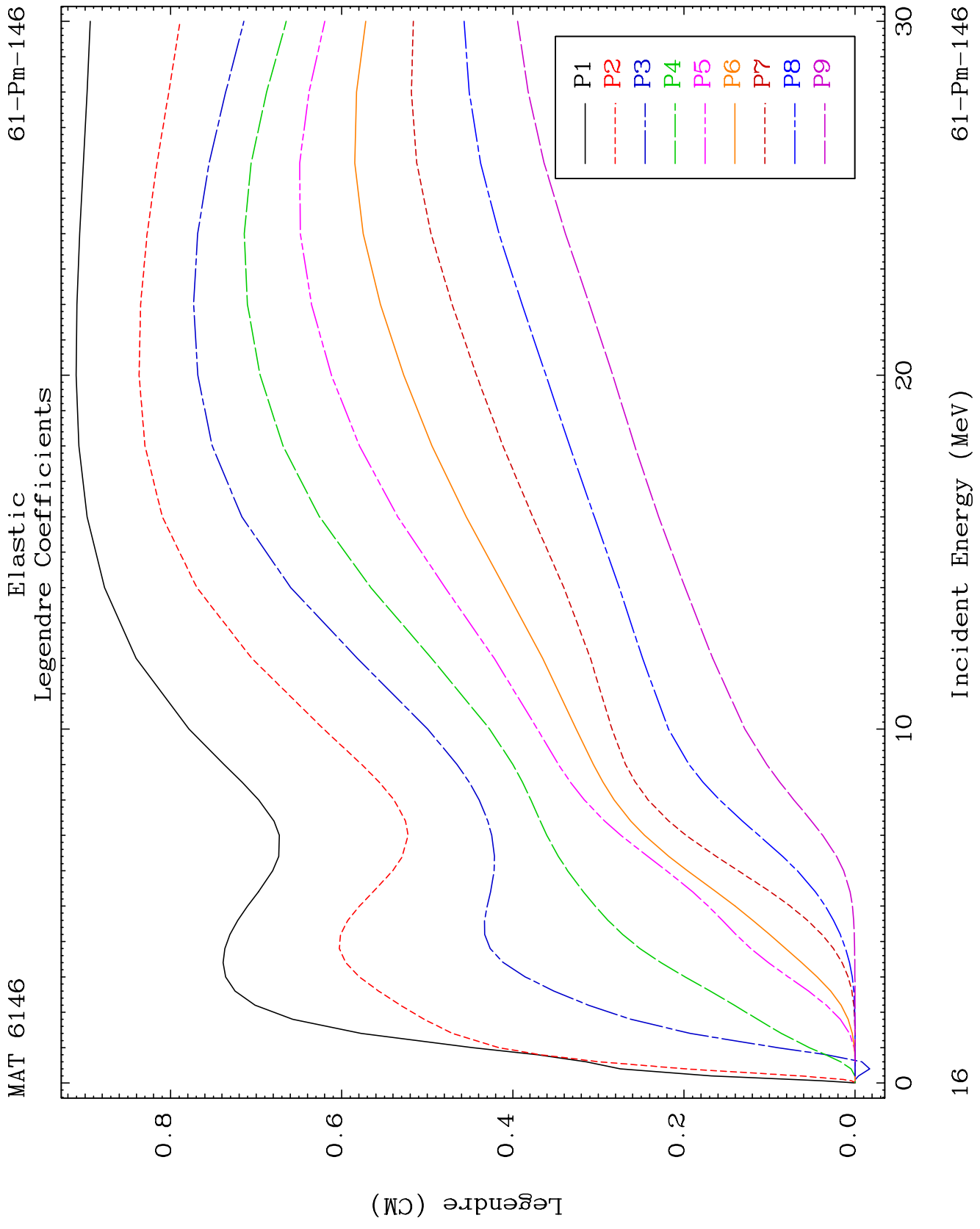


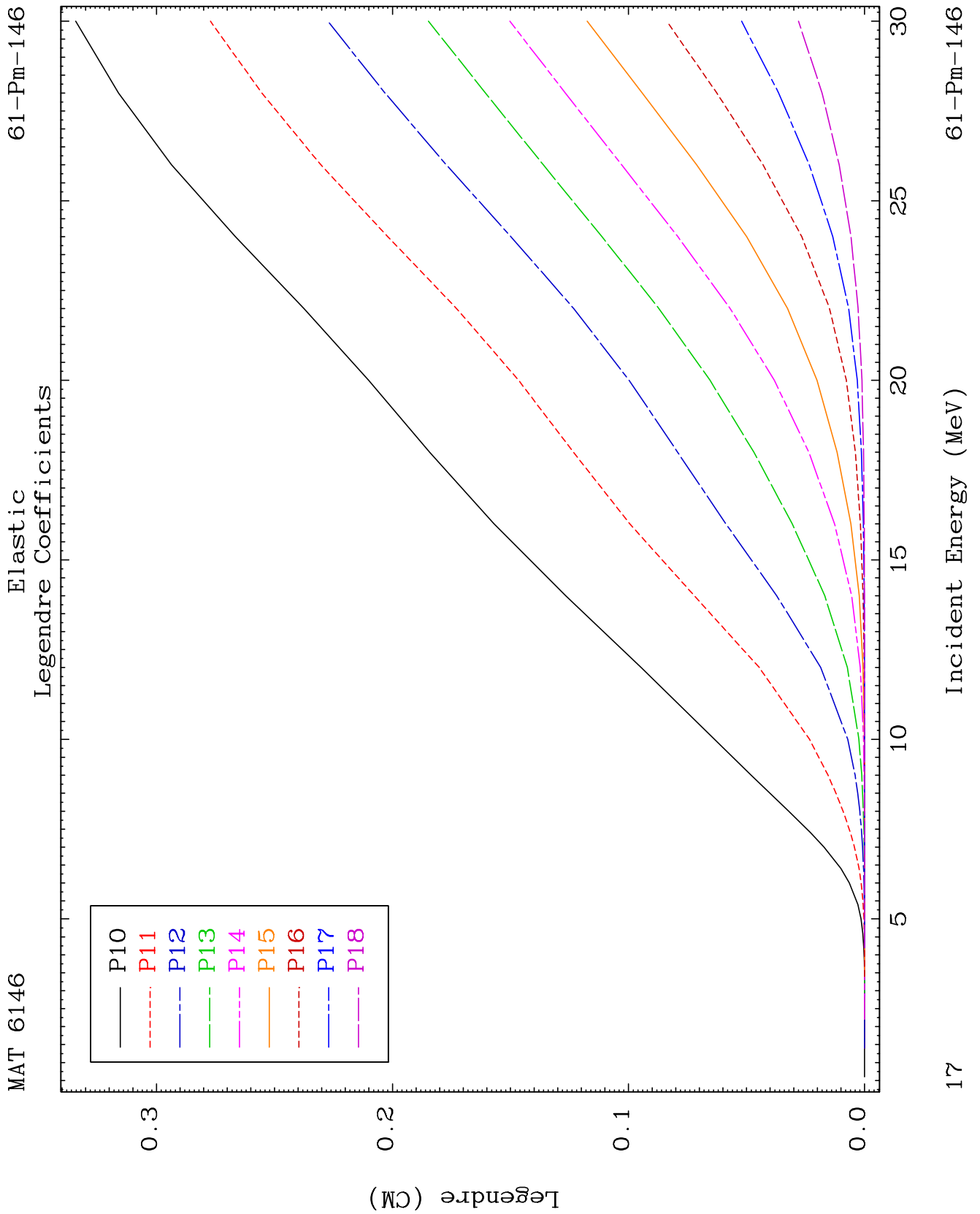
14

Incident Energy (MeV)

61-Pm-146



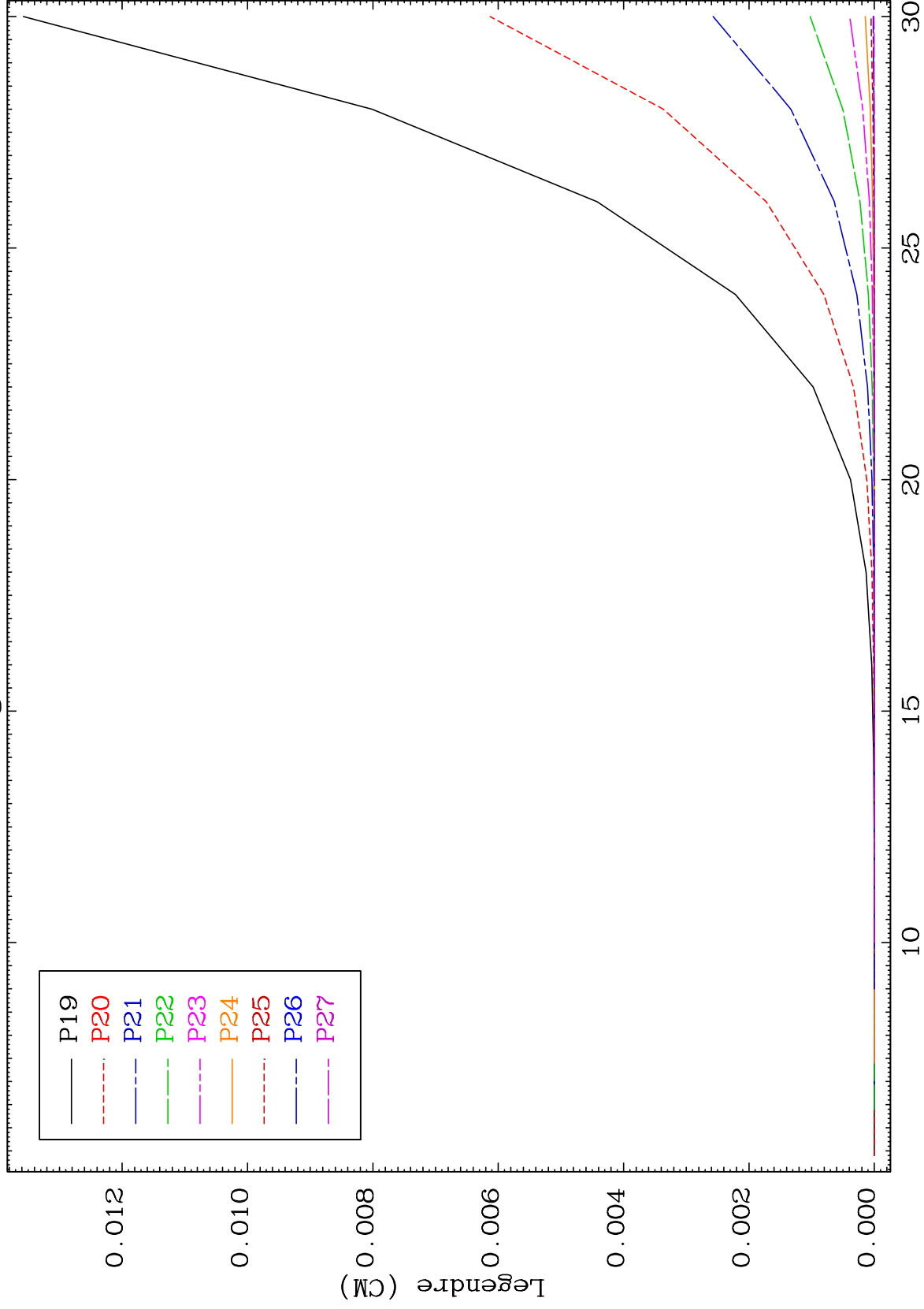




MAT 6146

Elastic Legendre Coefficients

61-Pm-146



18

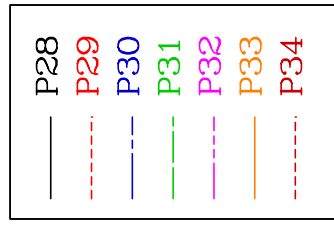
Incident Energy (MeV)

61-Pm-146

MAT 6146

Elastic Legendre Coefficients

61-Pm-146



$\times 10^{-6}$

1.5

1.0

0.5

0.0

Legendre (CM)

15

20

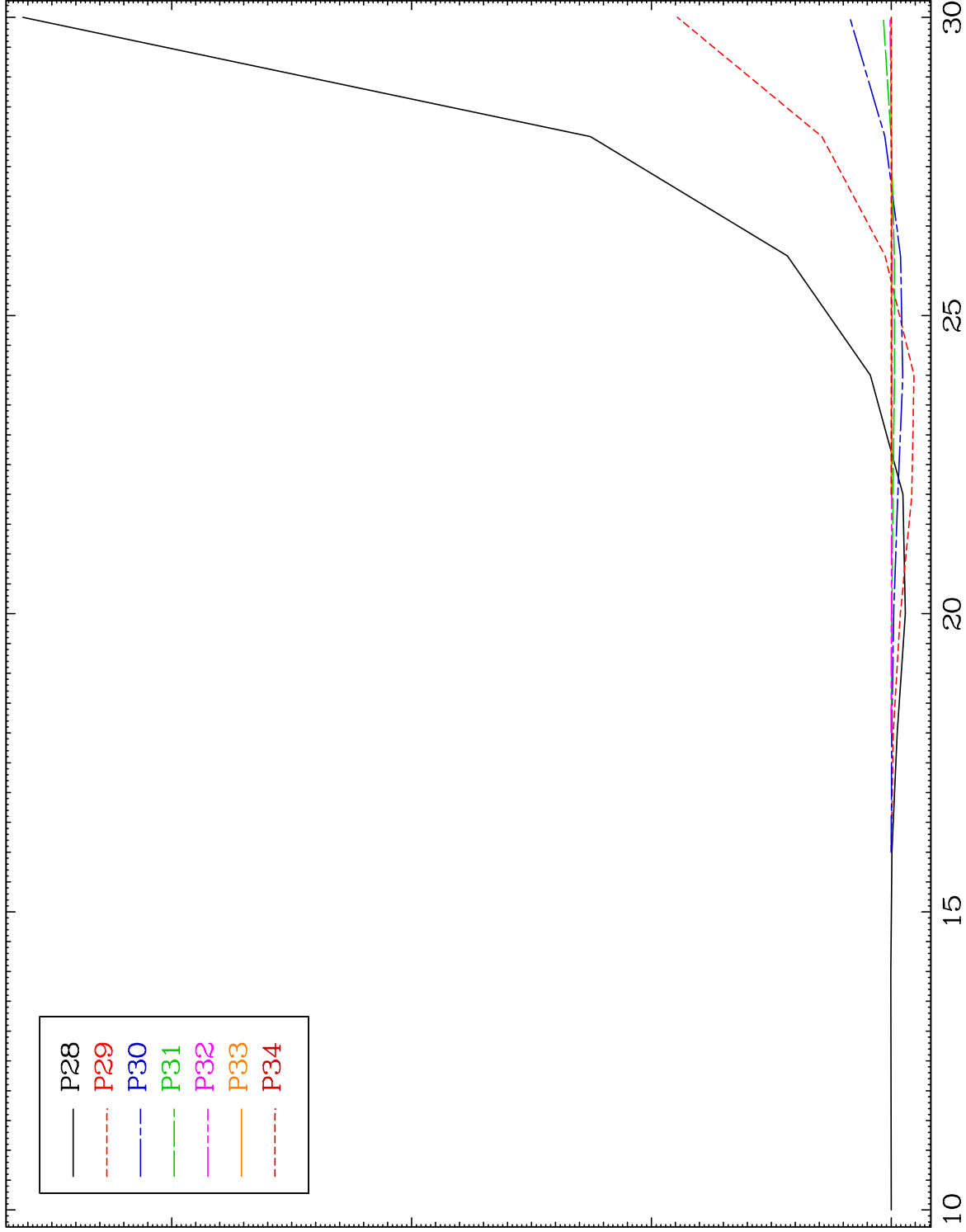
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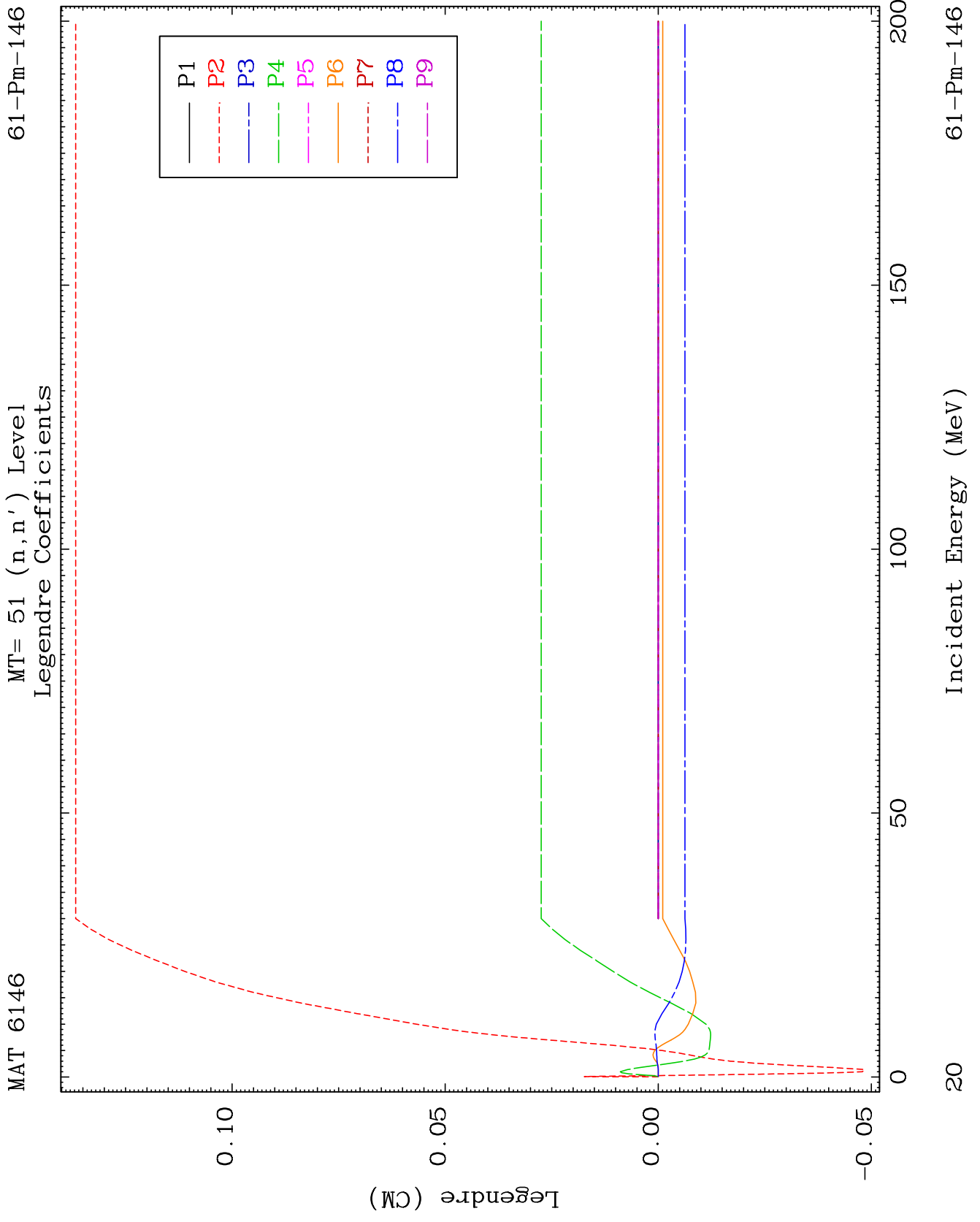
30

19

Incident Energy (MeV)

61-Pm-146



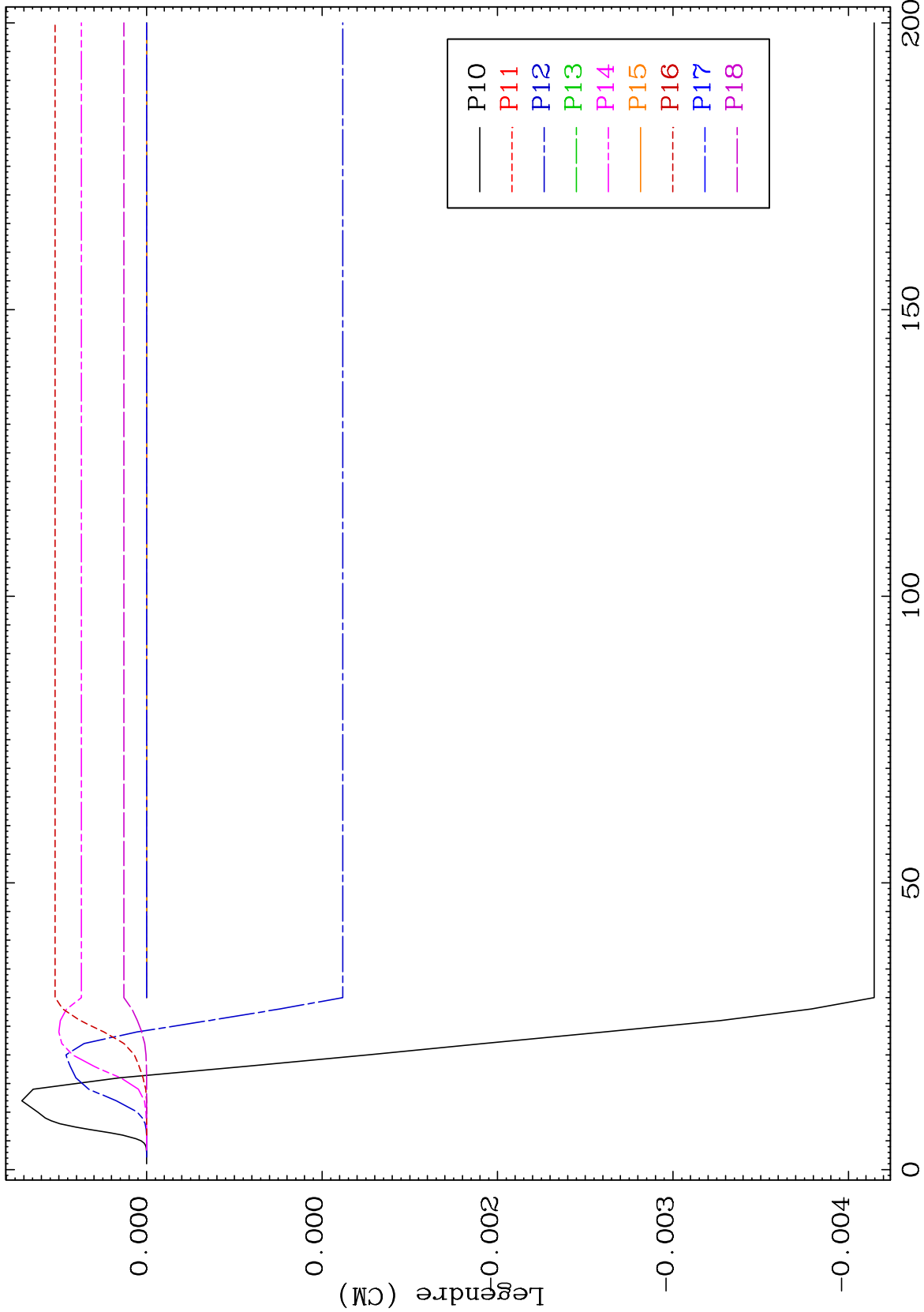


MAT 6146

MT= 51 (n,n') Level

61-Pm-146

Legendre Coefficients



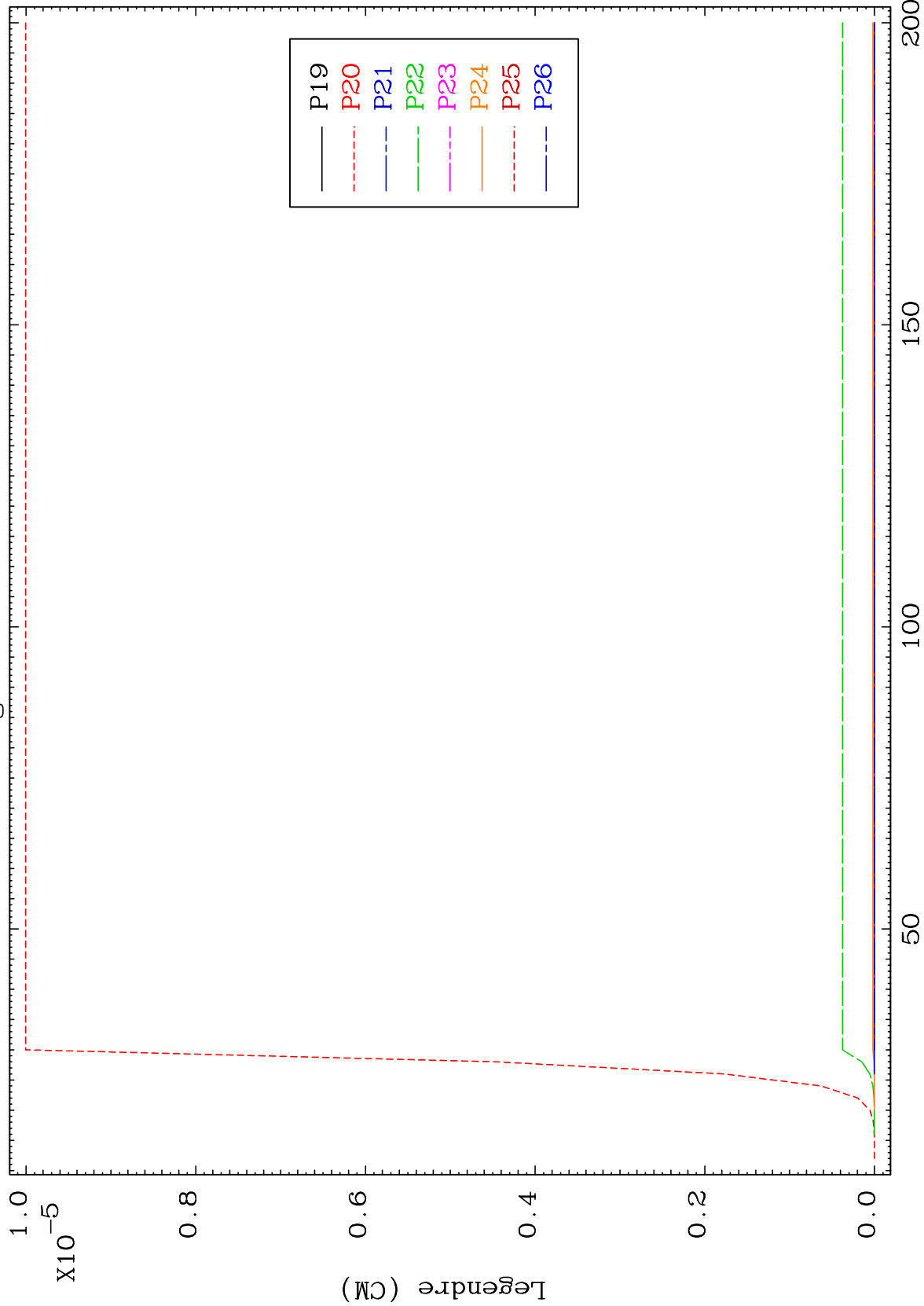
21

61-Pm-146

MAT 6146

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

61-Pm-146



61-Pm-146

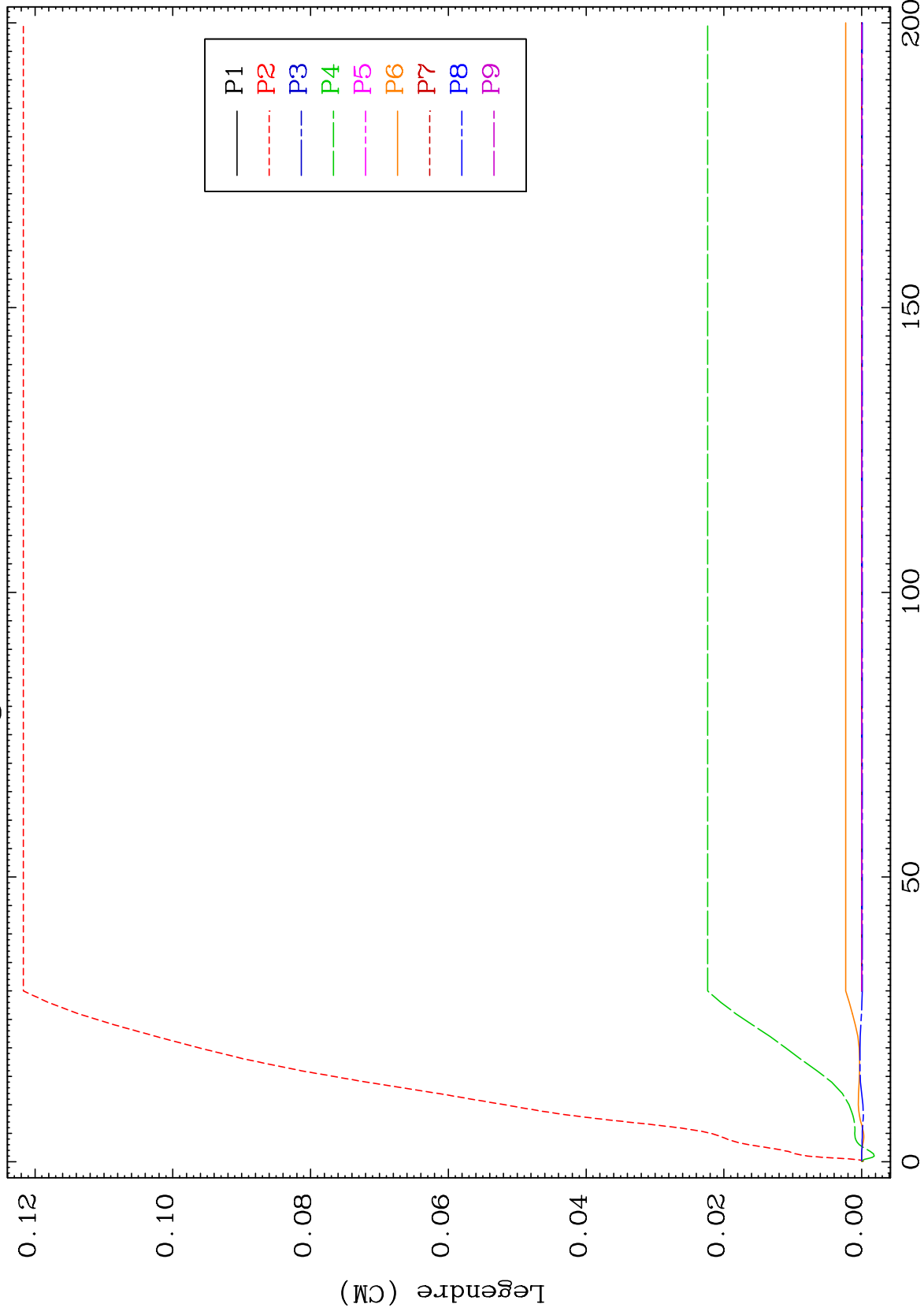
Incident Energy (MeV)

22

MAT 6146

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

61-Pm-146



23

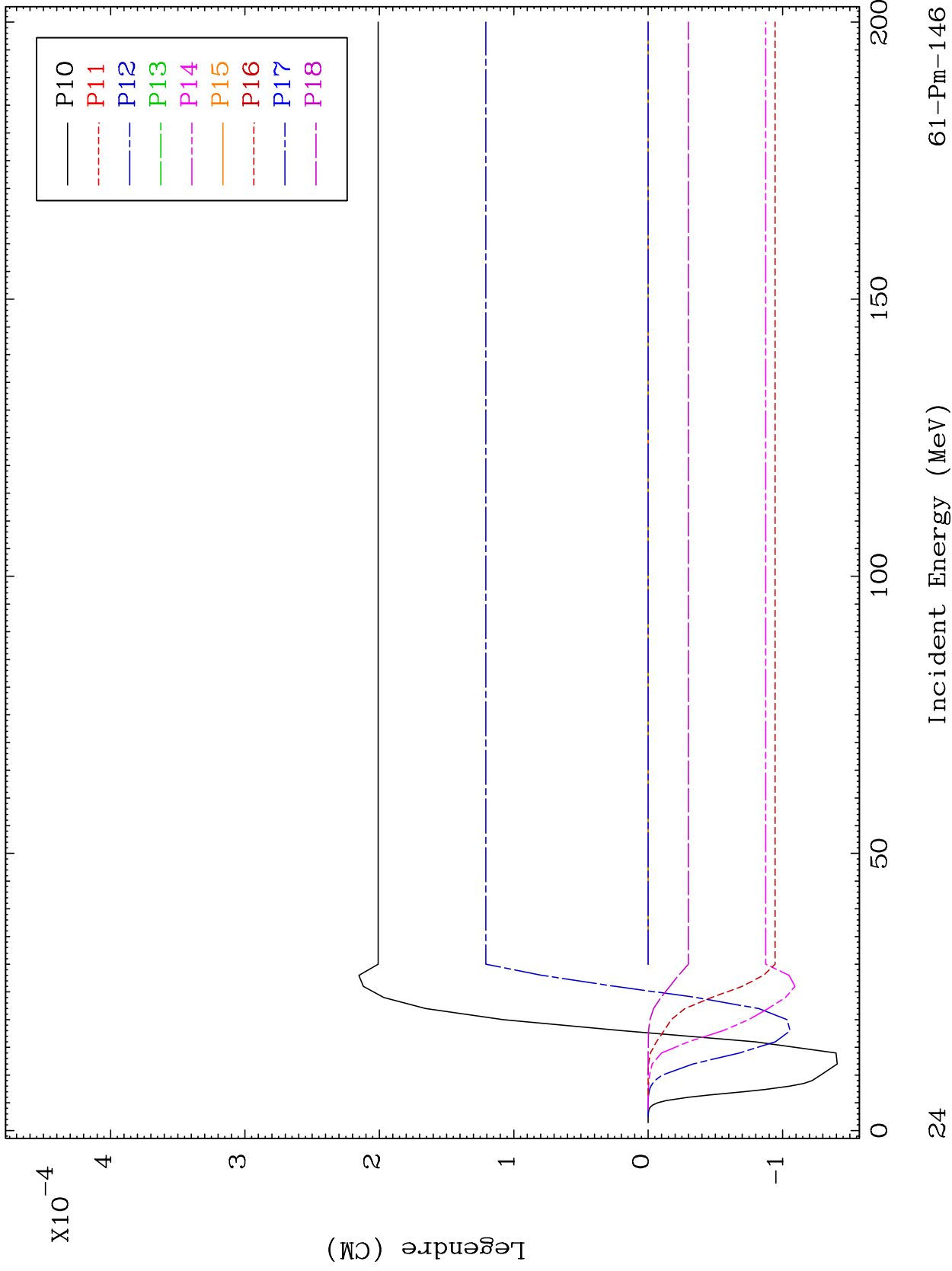
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

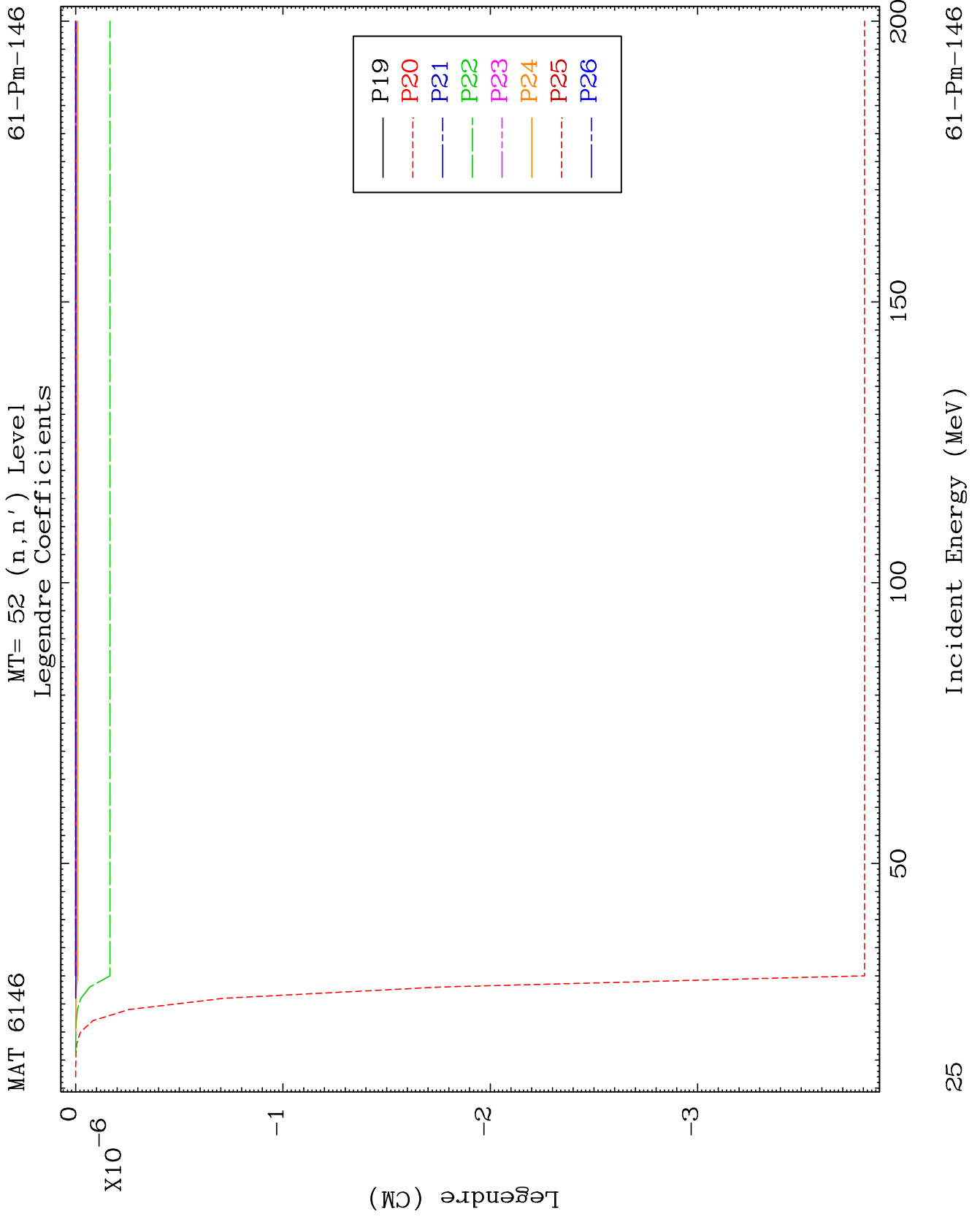
61-Pm-146



61-Pm-146

Incident Energy (MeV)

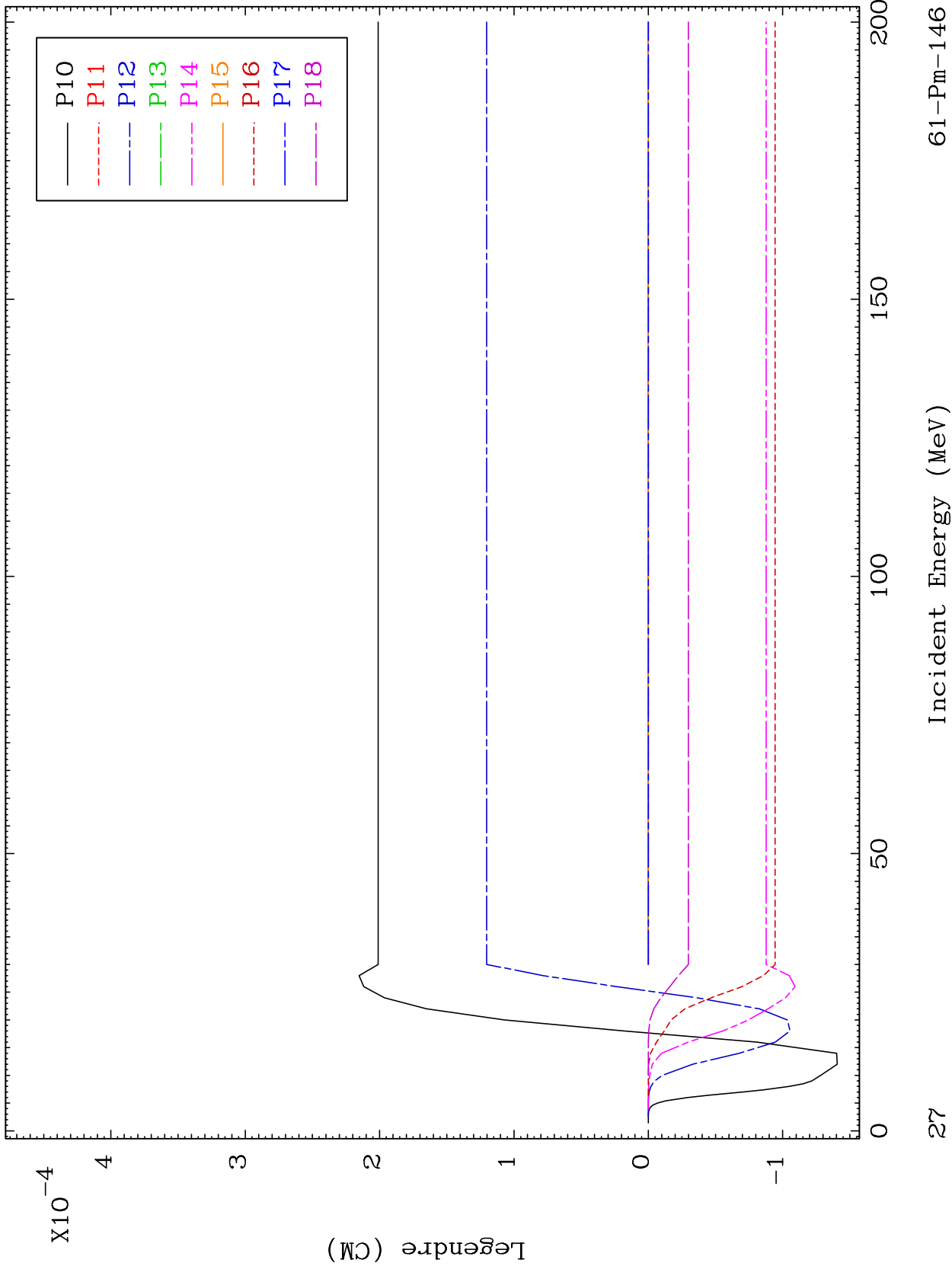
24



MAT 6146

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

61-Pm-146

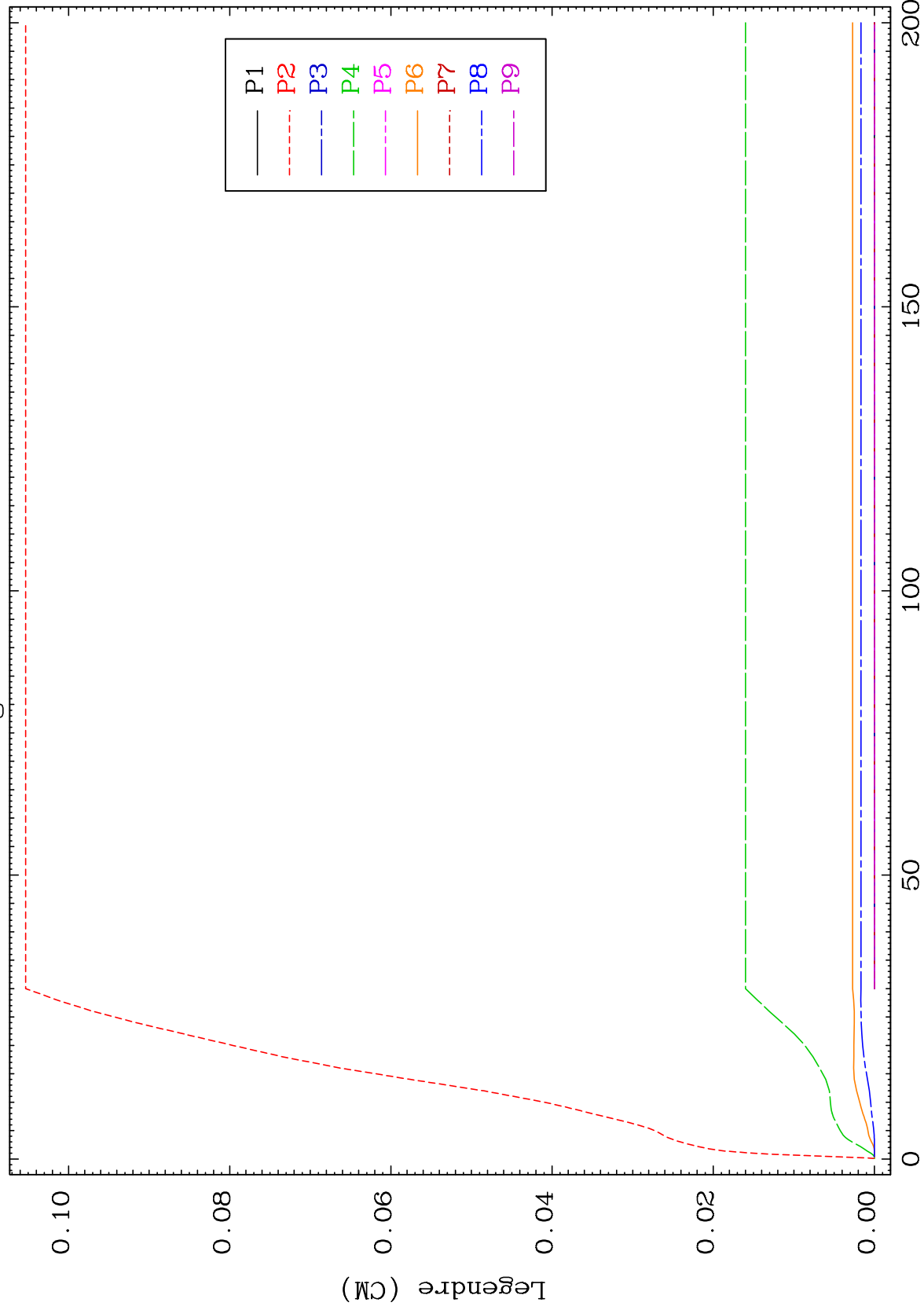


61-Pm-146

MAT 6146

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

61-Pm-146



29

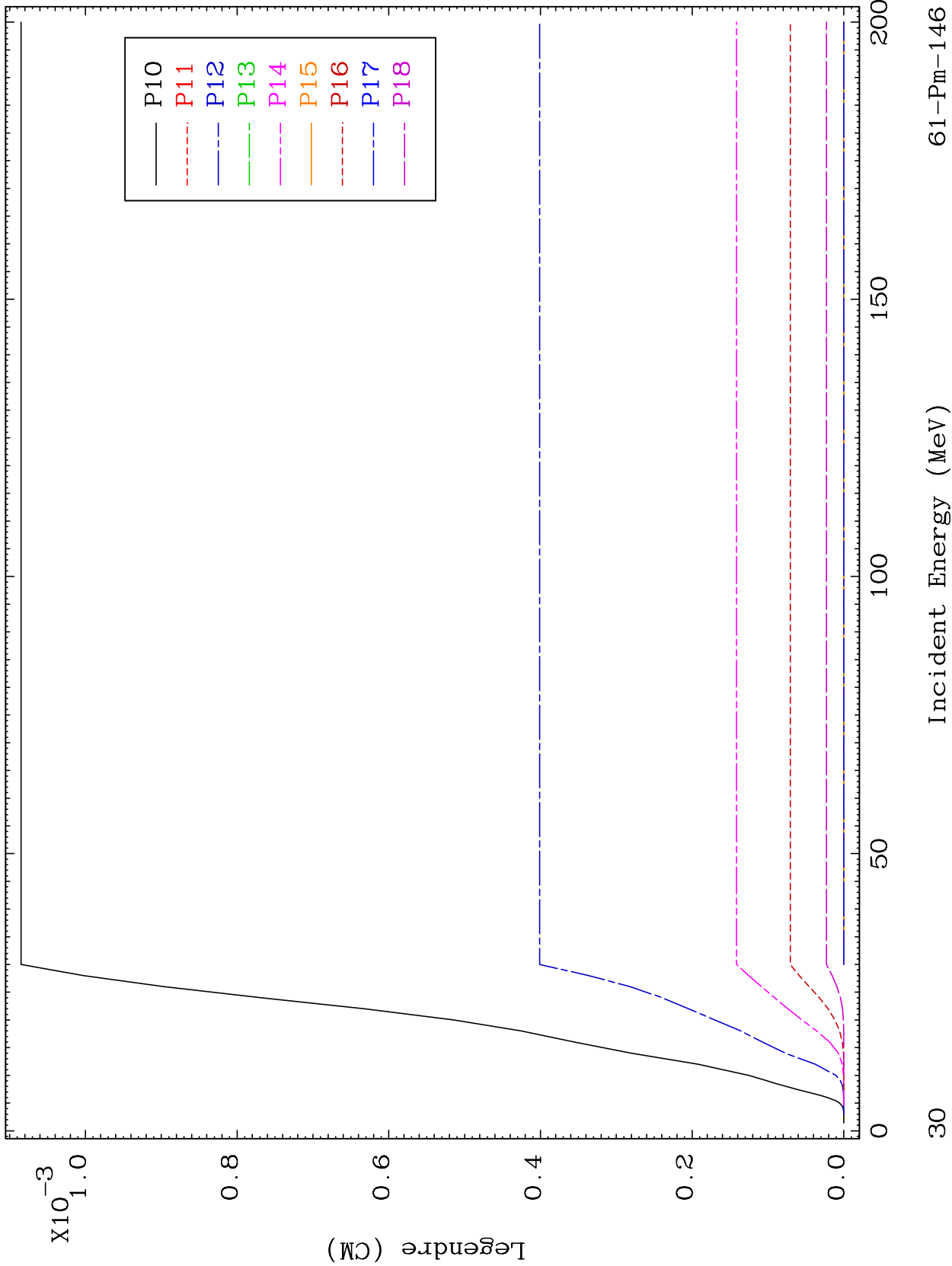
Incident Energy (MeV)

61-Pm-146

MAT 6146

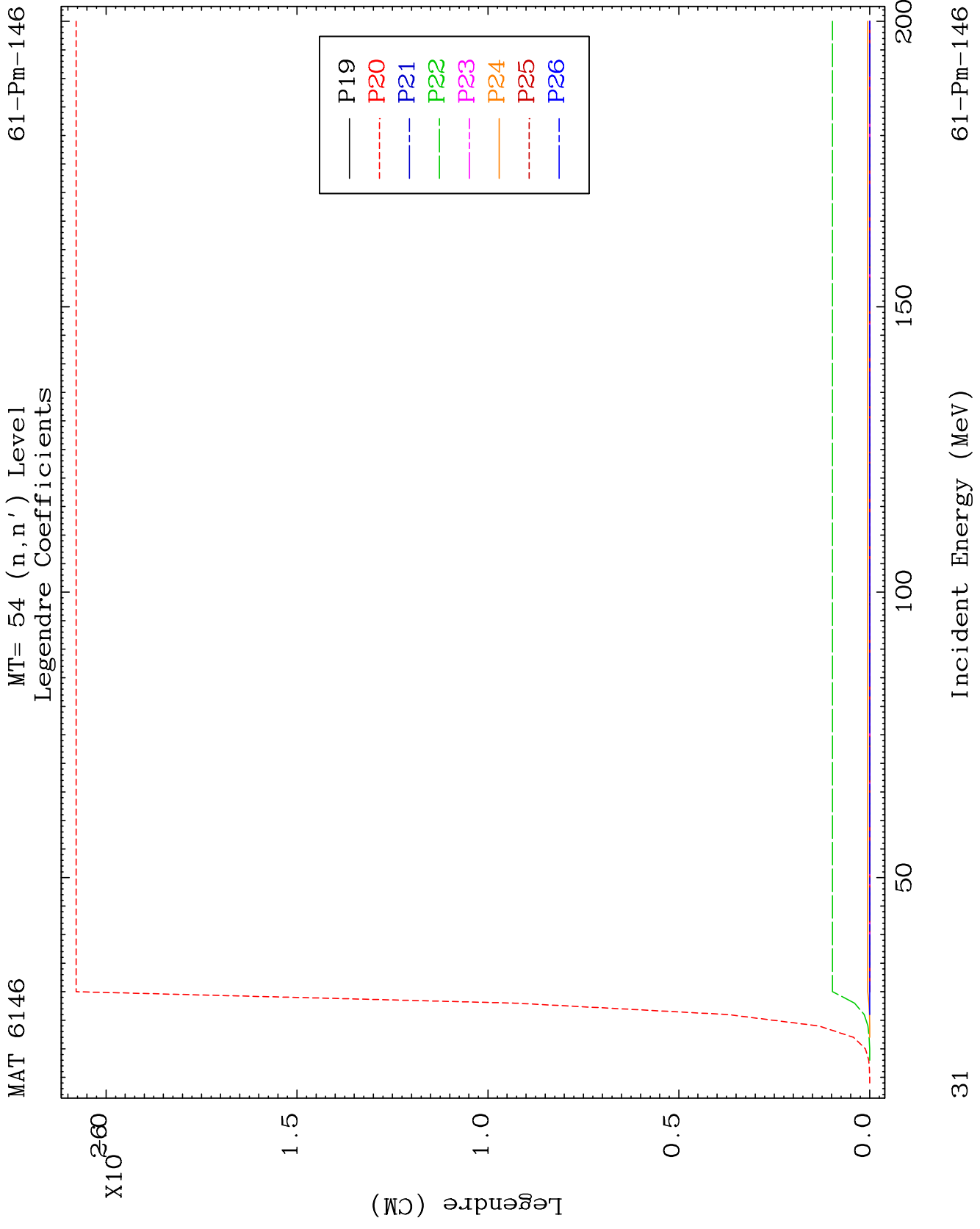
MT= 54 (n,n') Level
Legendre Coefficients

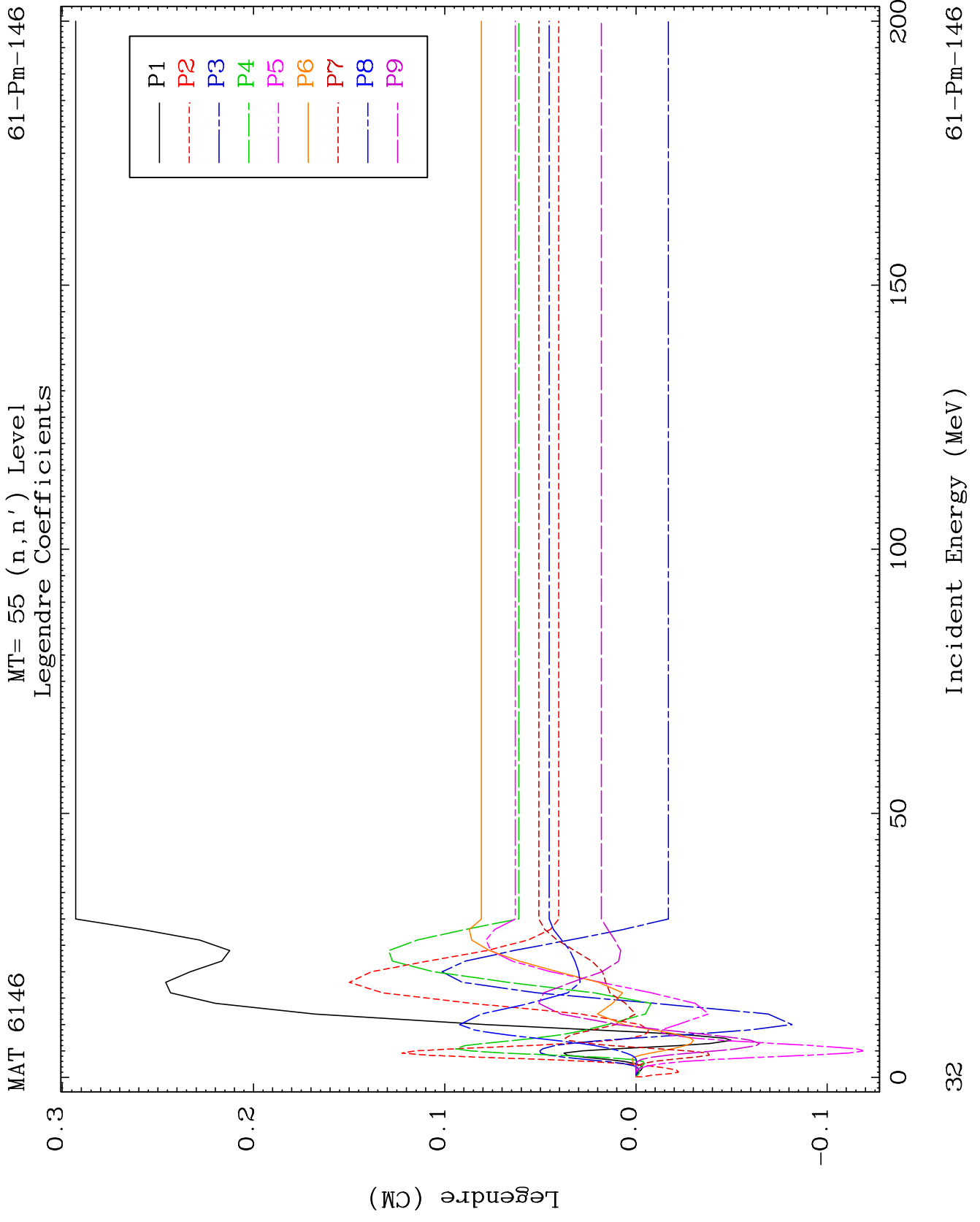
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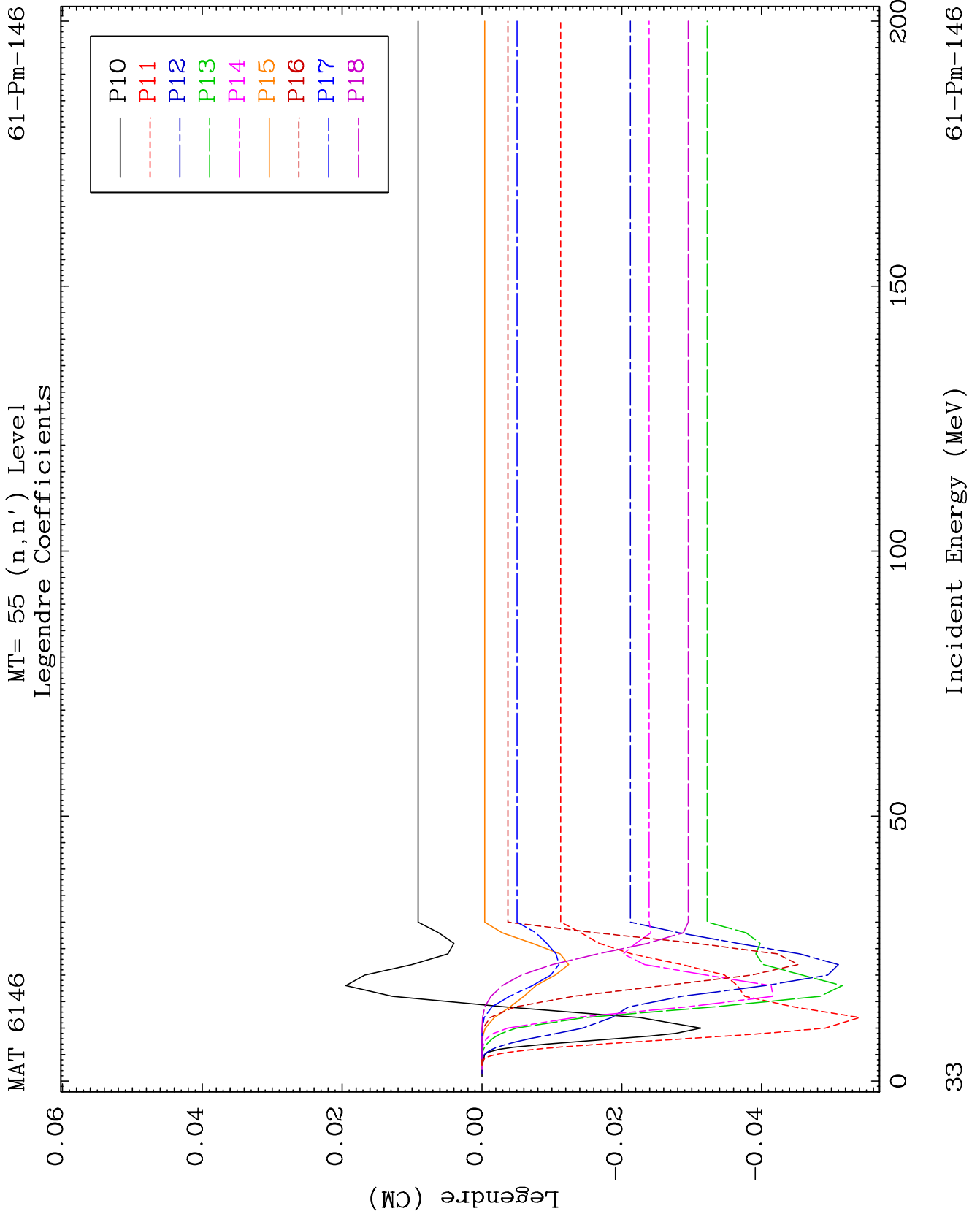


61-Pm-146

Incident Energy (MeV)



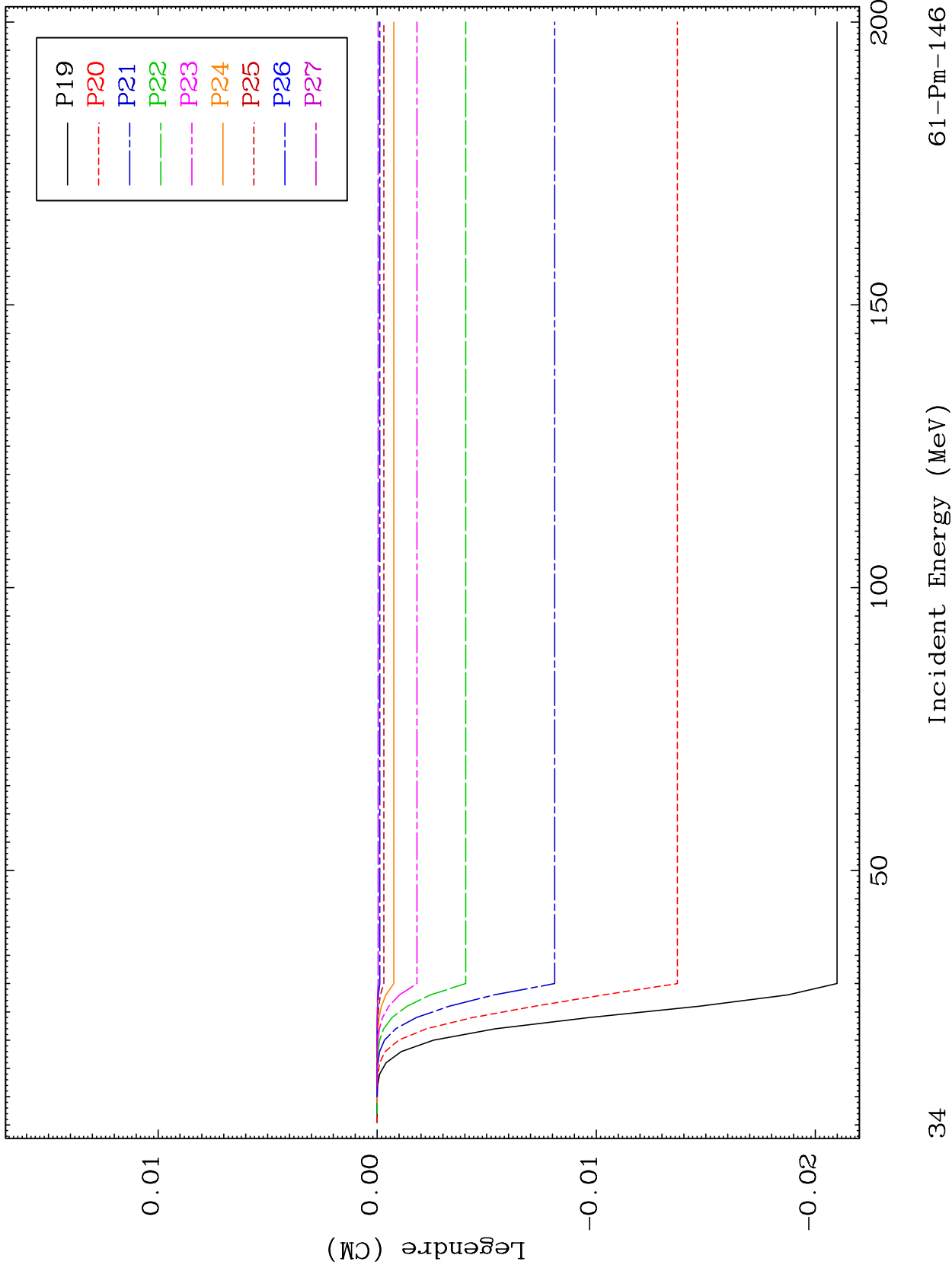




MAT 6146

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

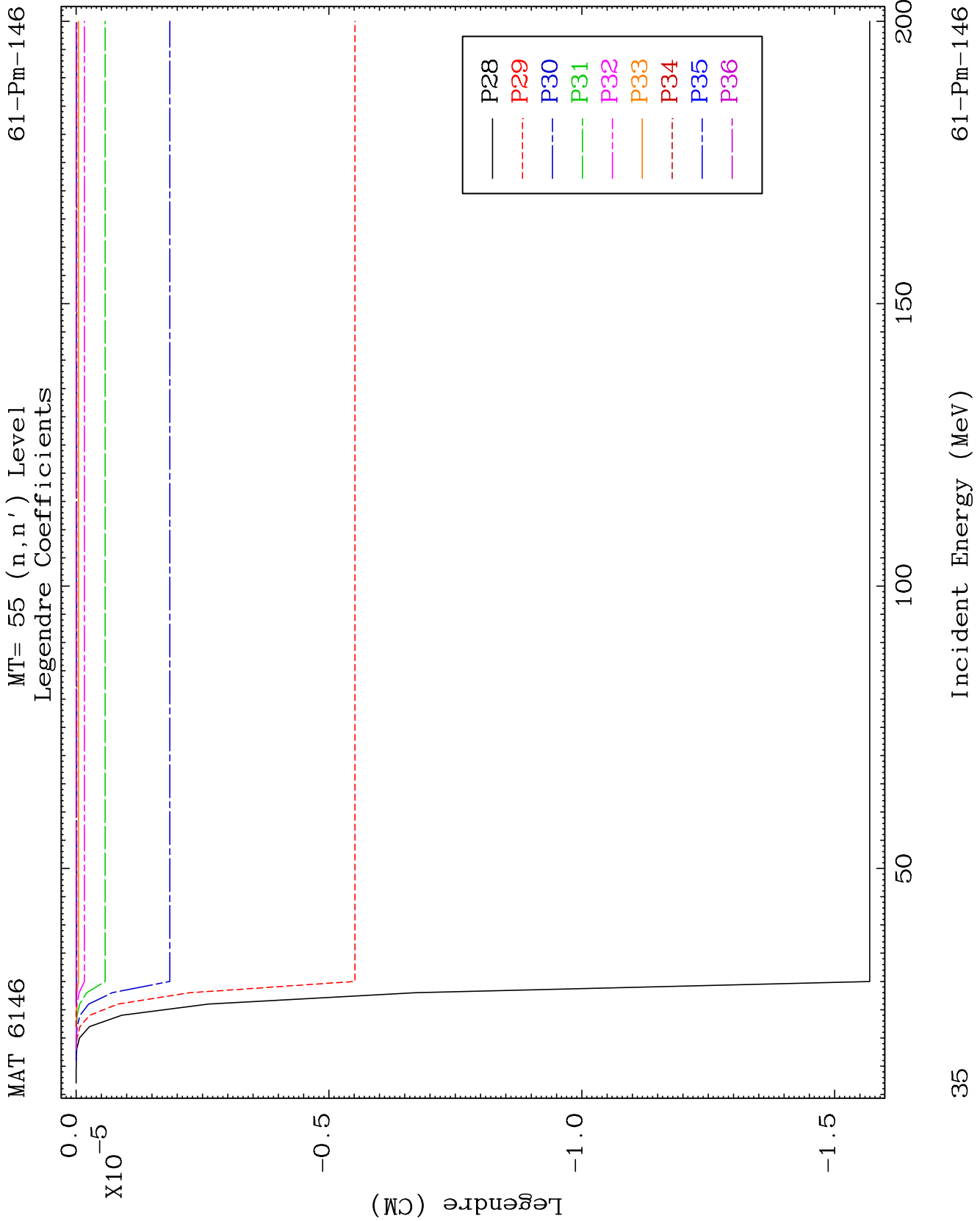
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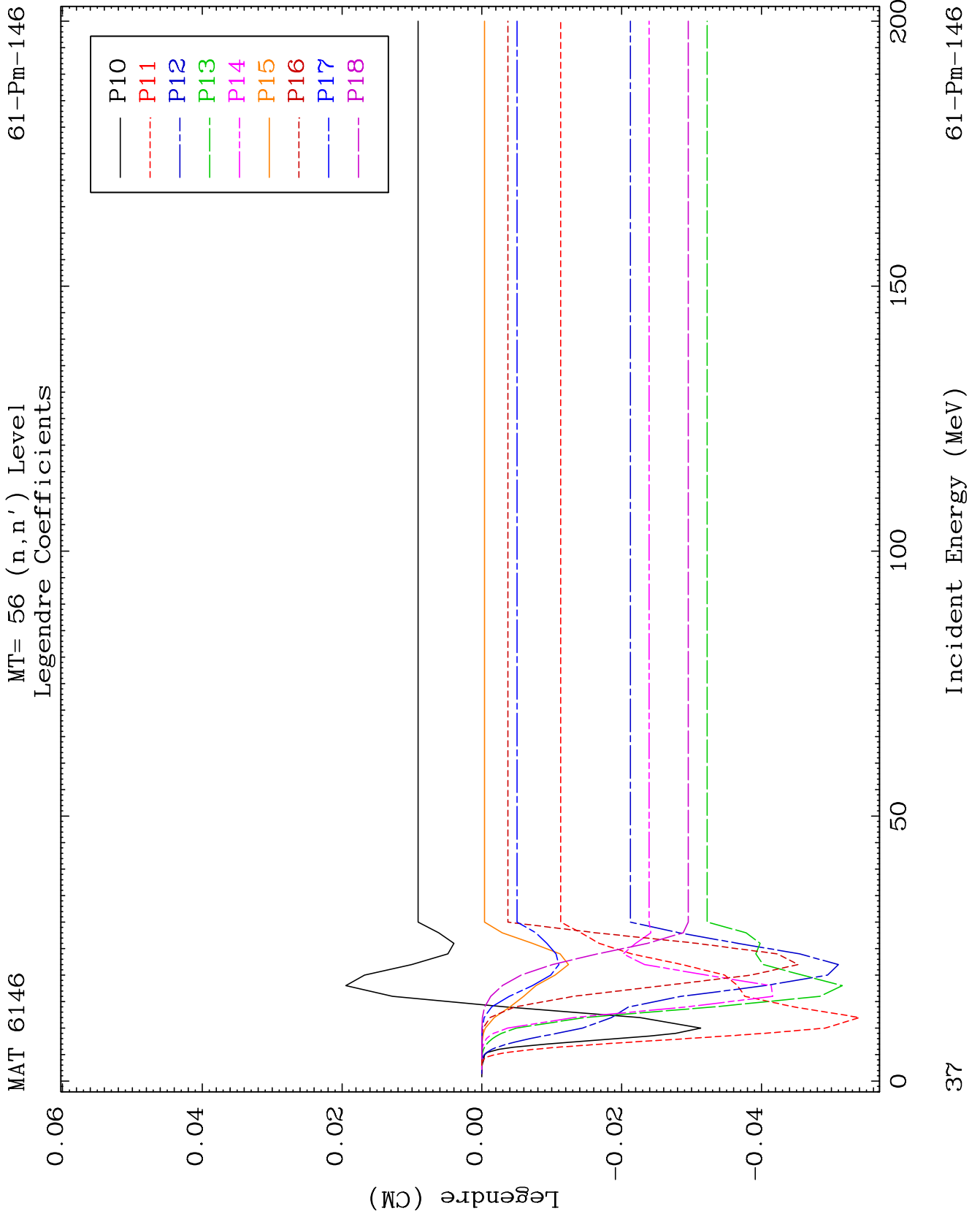


34

Incident Energy (MeV)

61-Pm-146

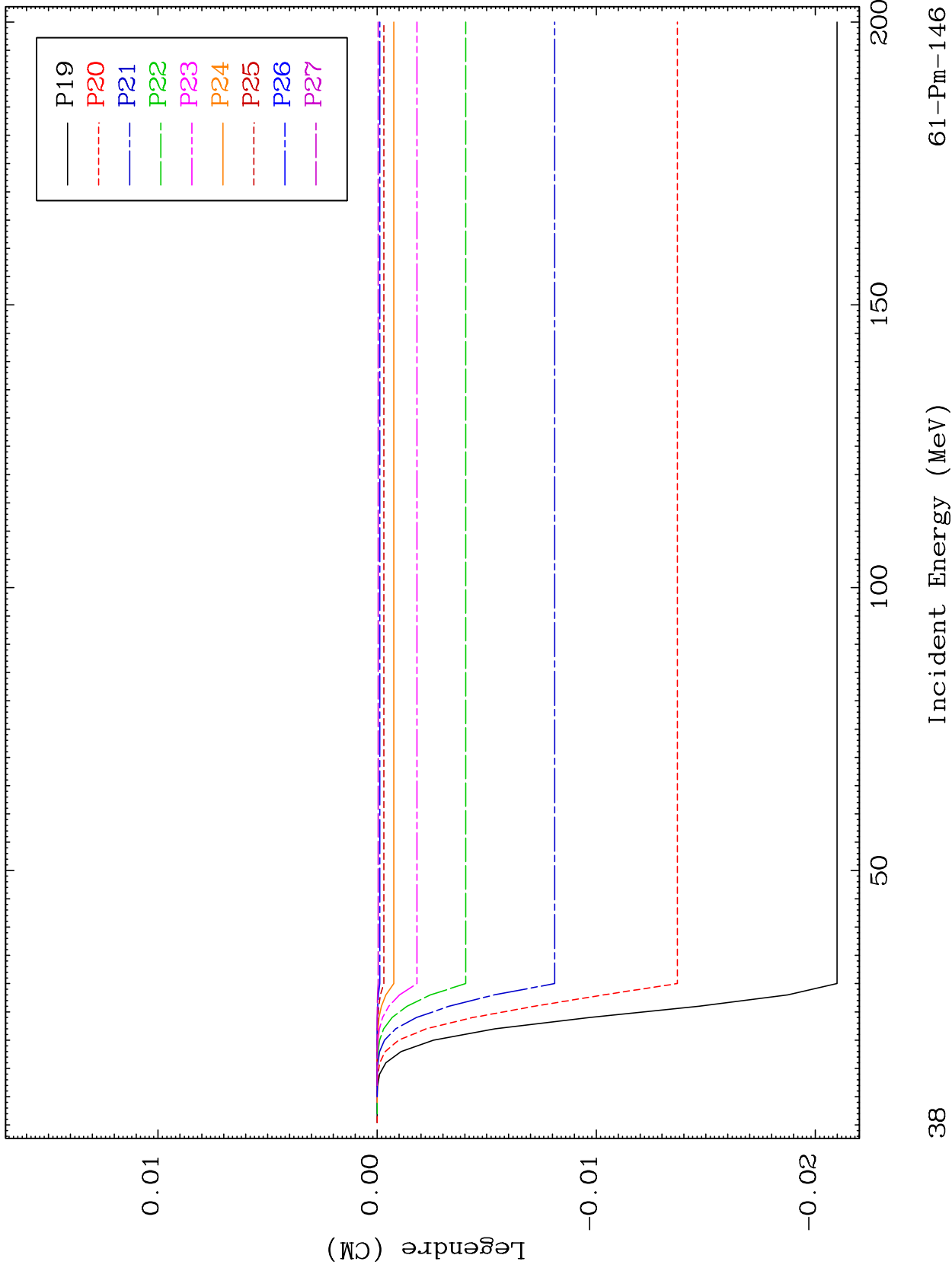




MAT 6146

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

61-Pm-146



38

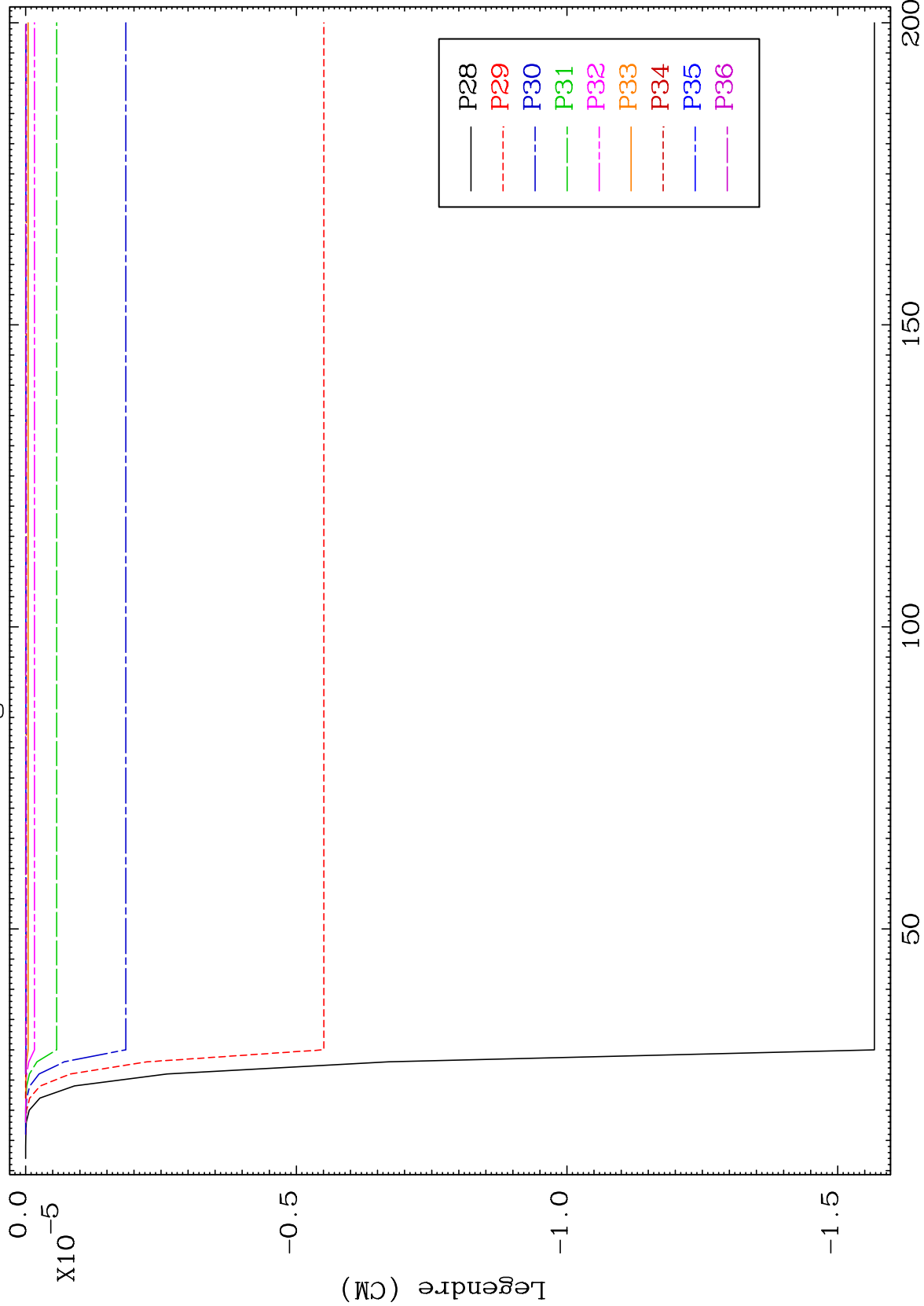
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

61-Pm-146



61-Pm-146

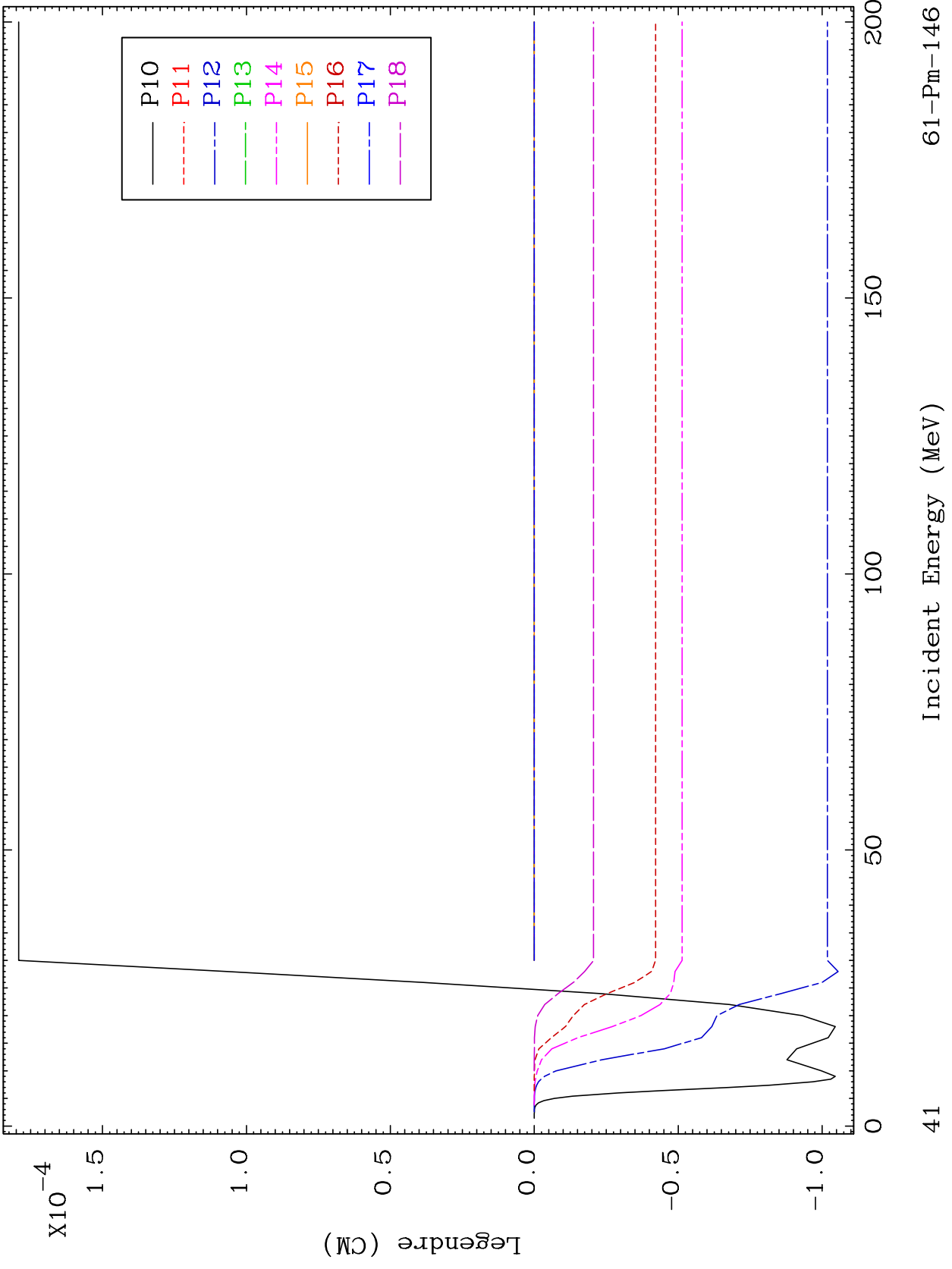
Incident Energy (MeV)

39

MAT 6146

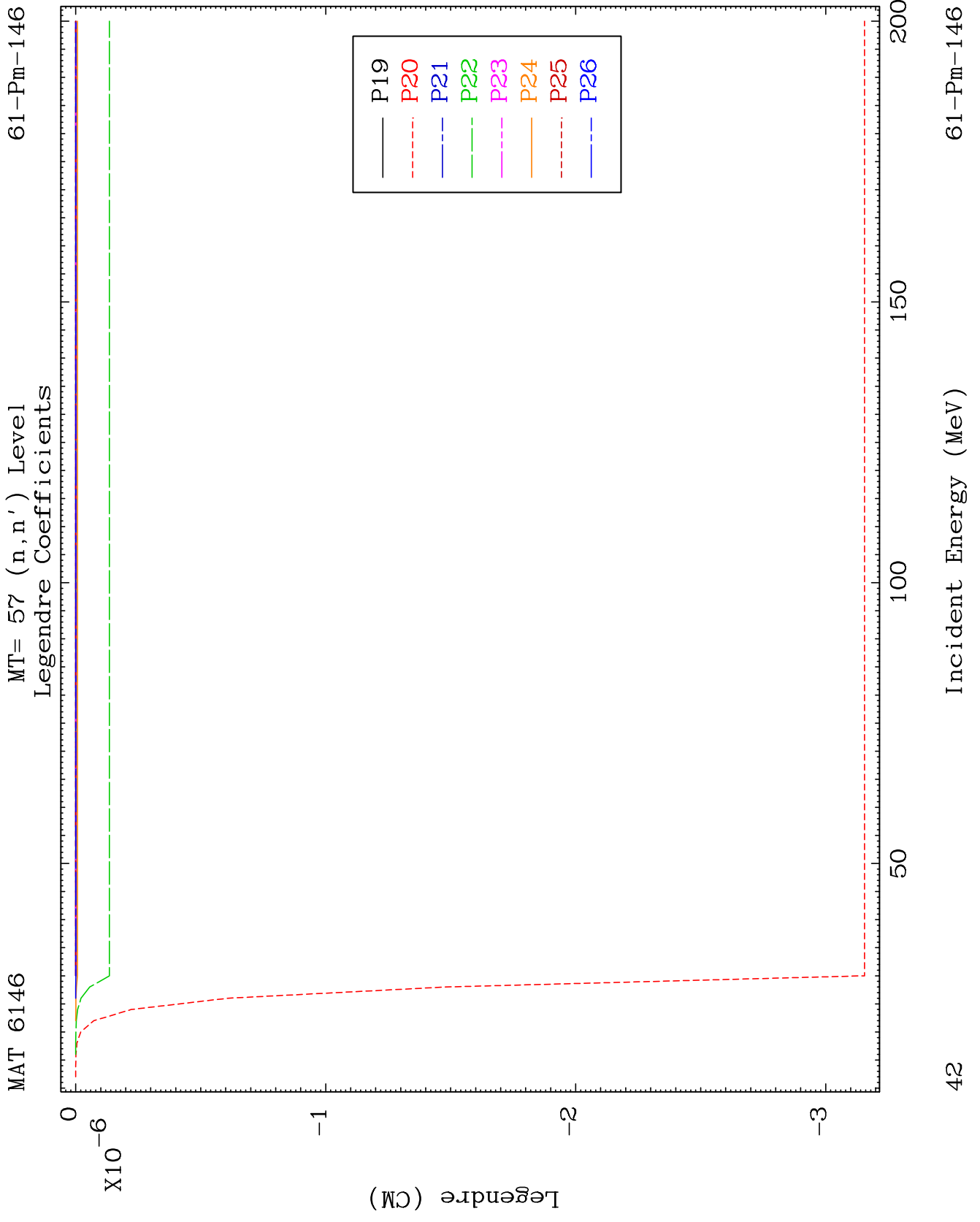
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Legendre Coefficients

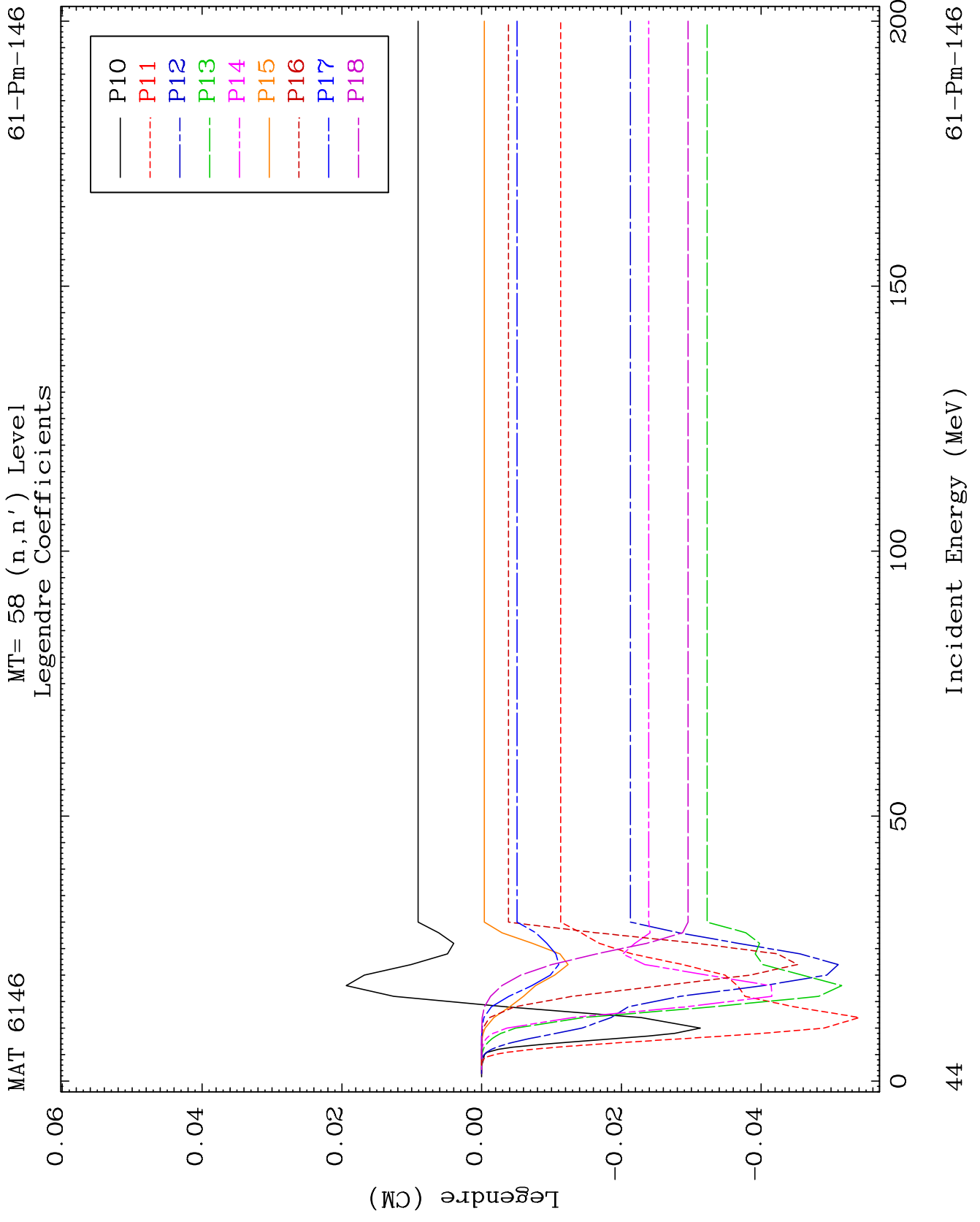
61-Pm-146



41

61-Pm-146

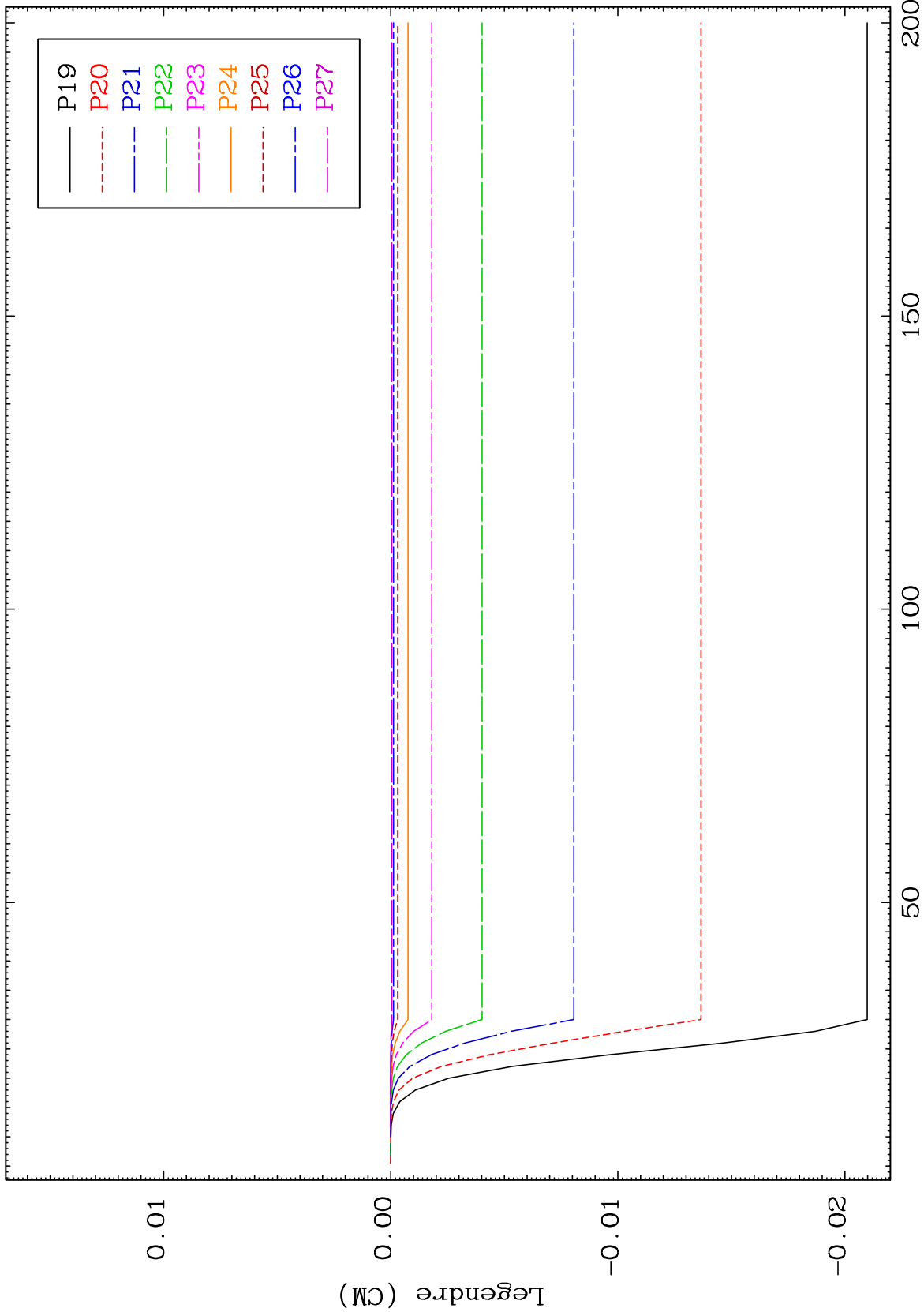




MAT 6146

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

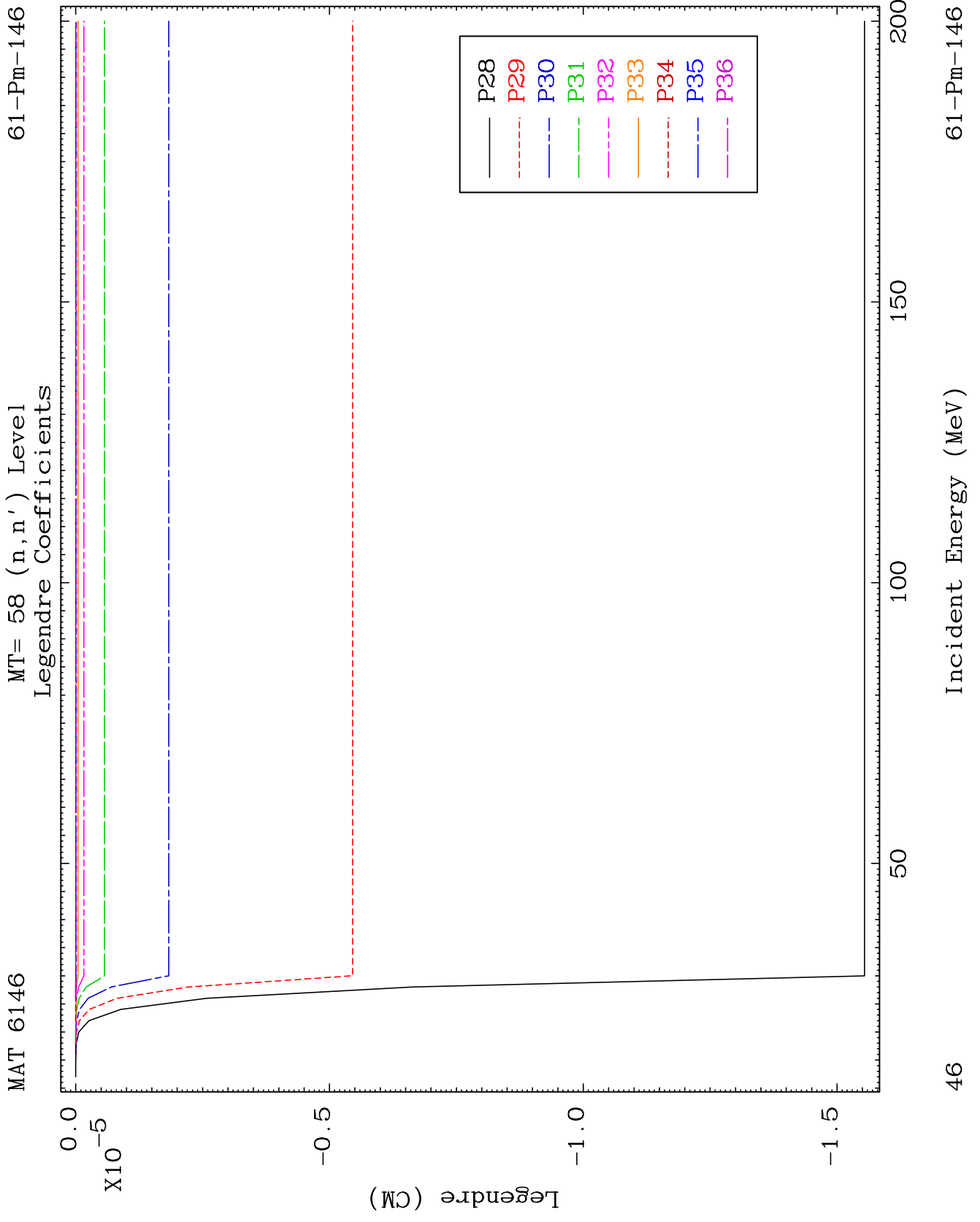
61-Pm-146



45

Incident Energy (MeV)

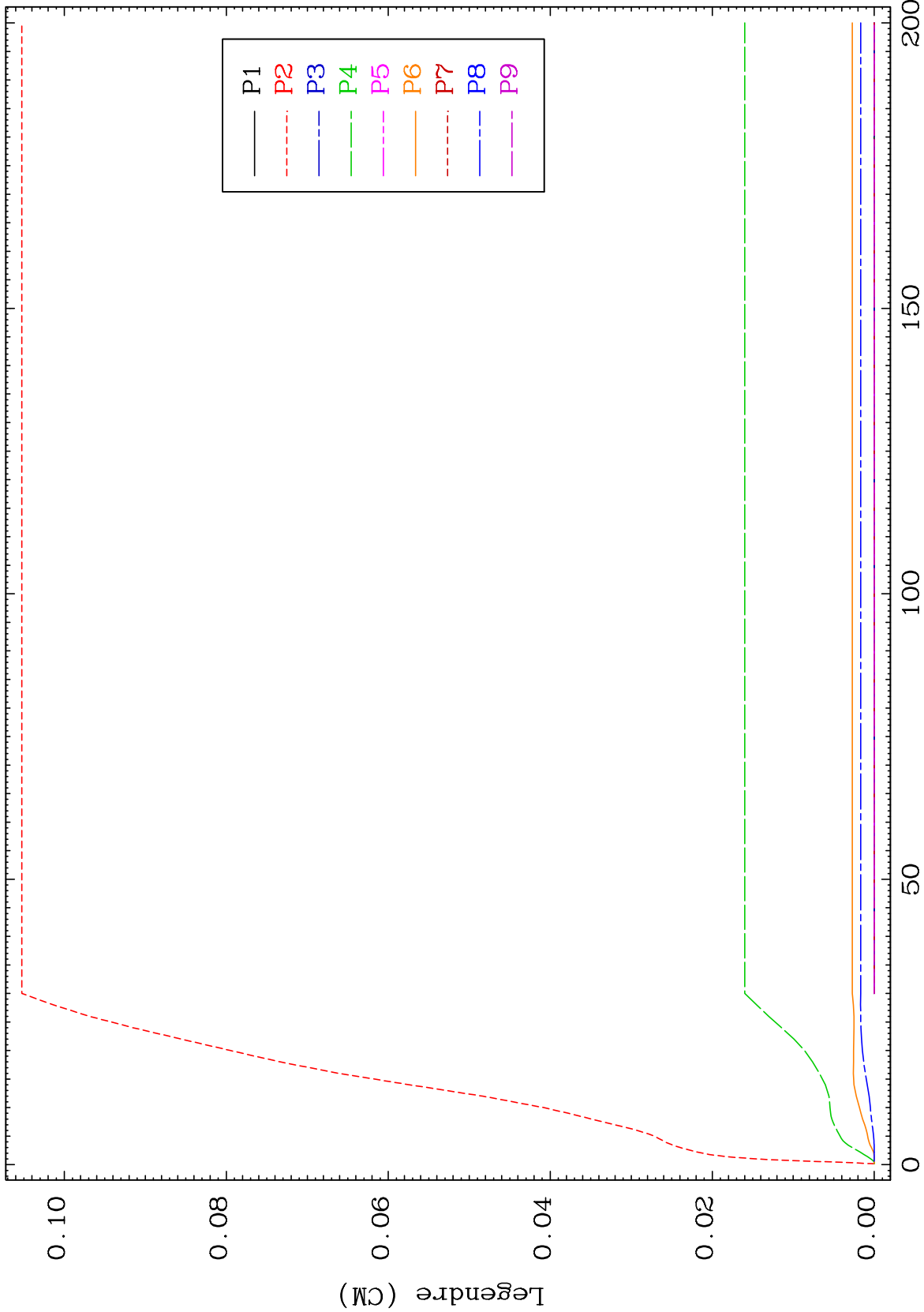
61-Pm-146



MAT 6146

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

61-Pm-146



47

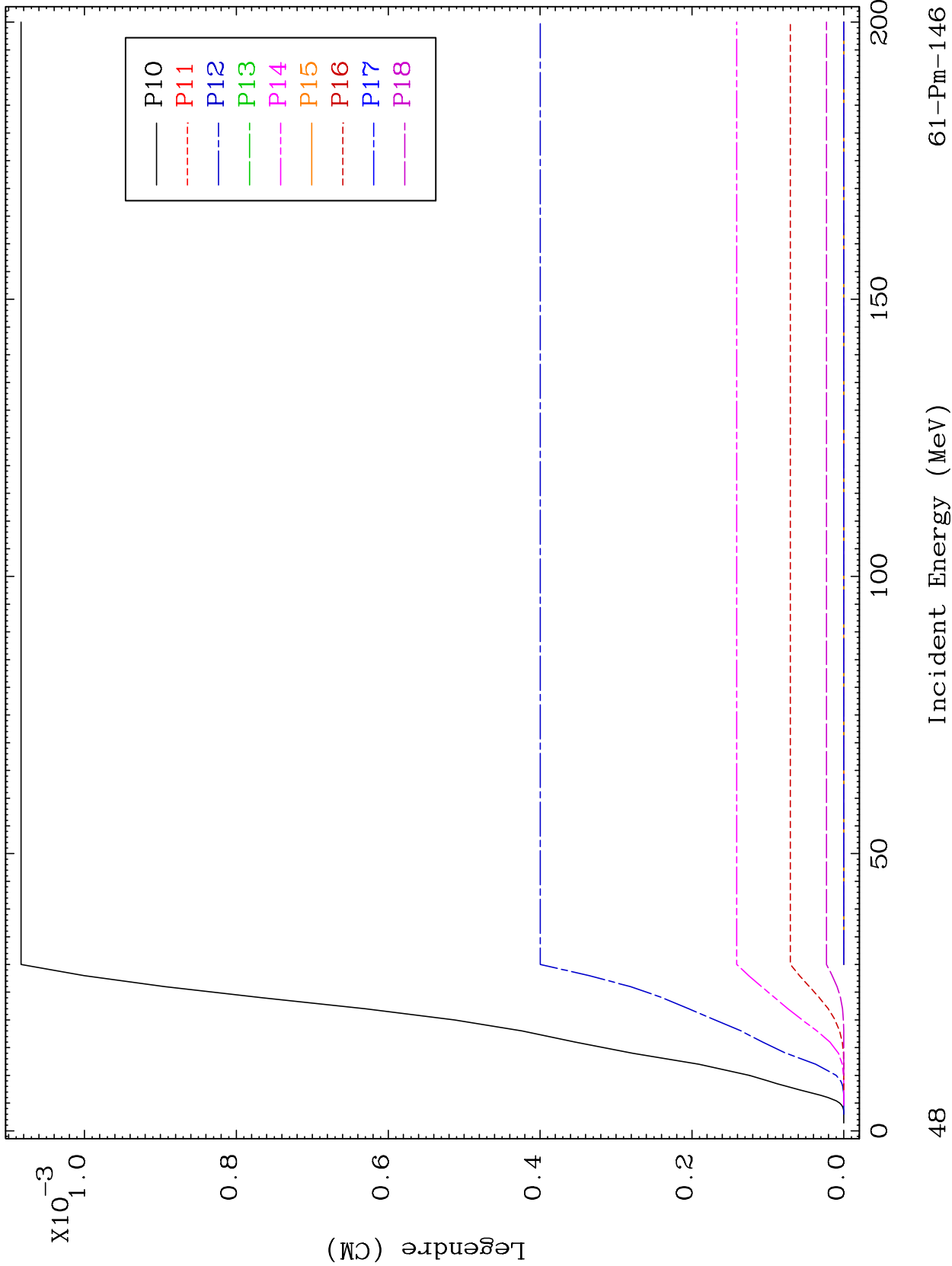
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

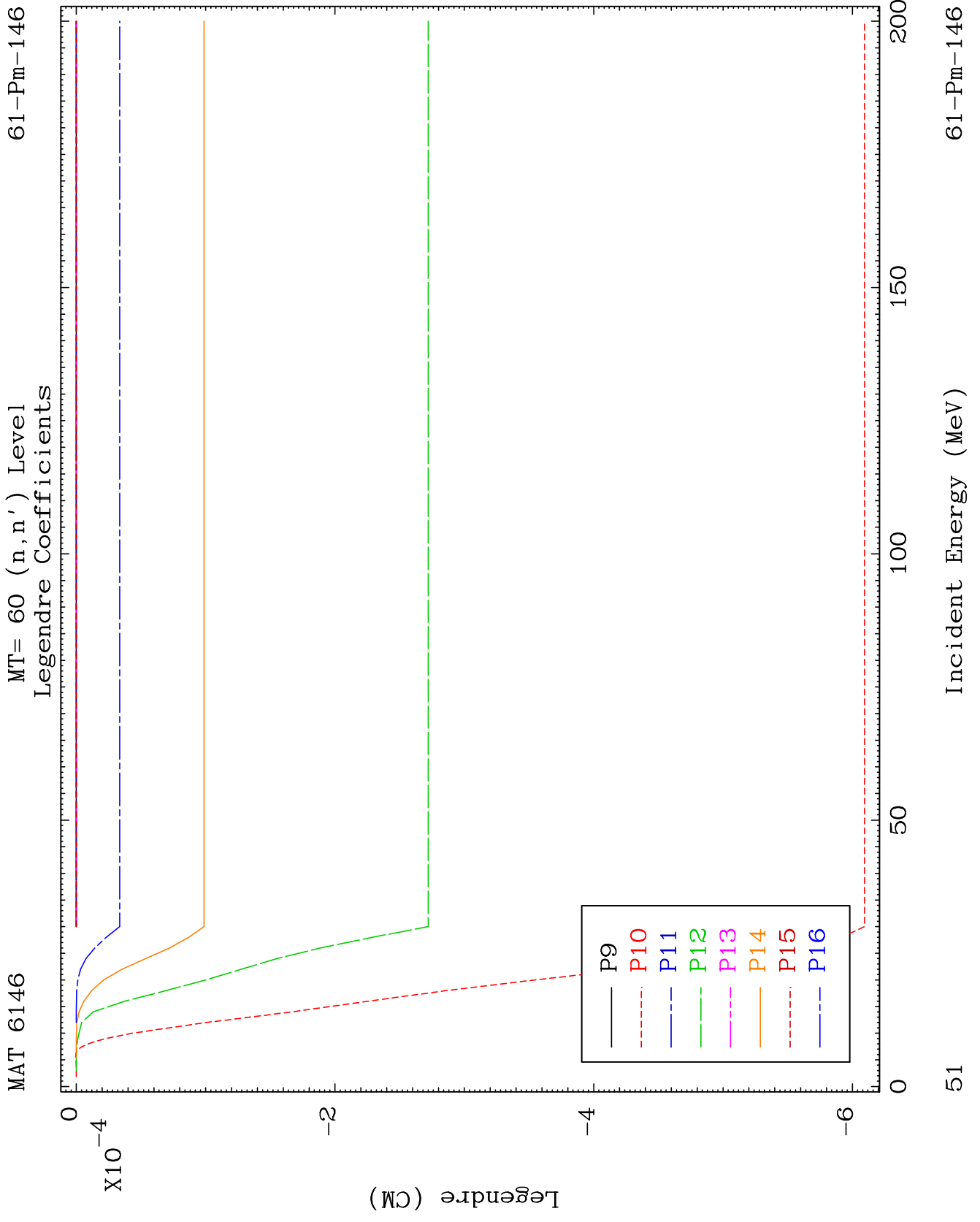
61-Pm-146



61-Pm-146

Incident Energy (MeV)

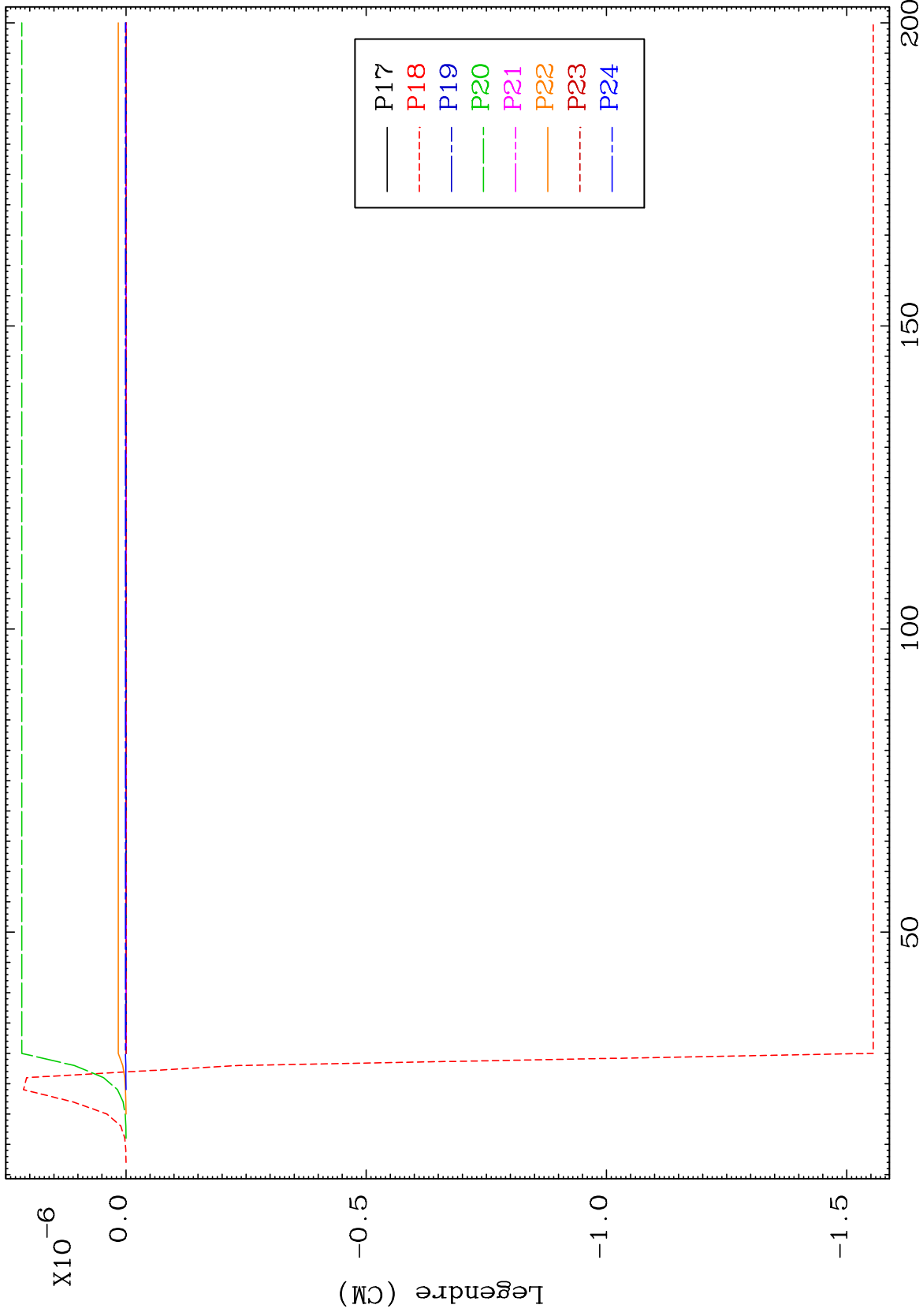
48



MAT 6146

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

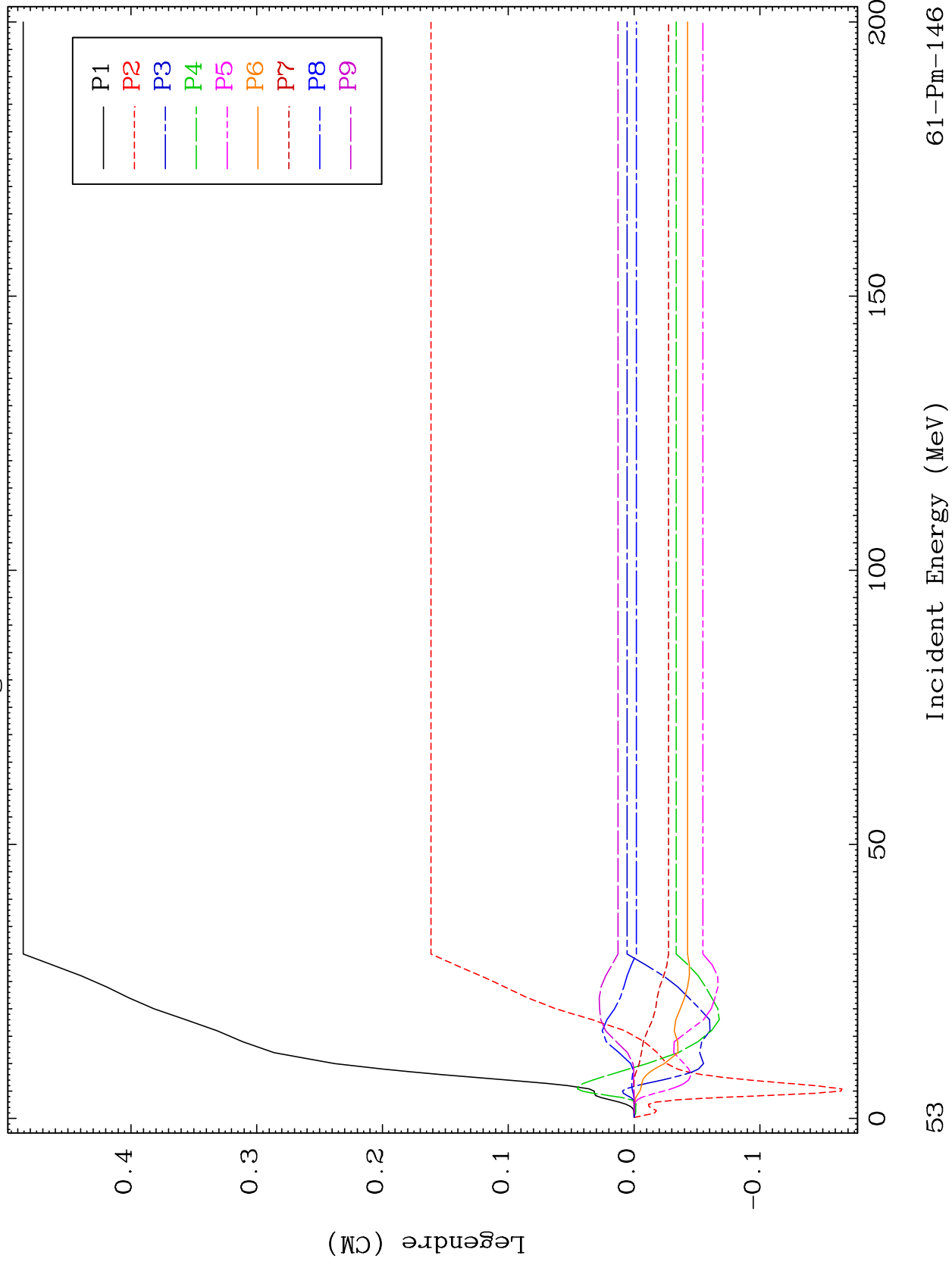
61-Pm-146



MAT 6146

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

61-Pm-146



61-Pm-146

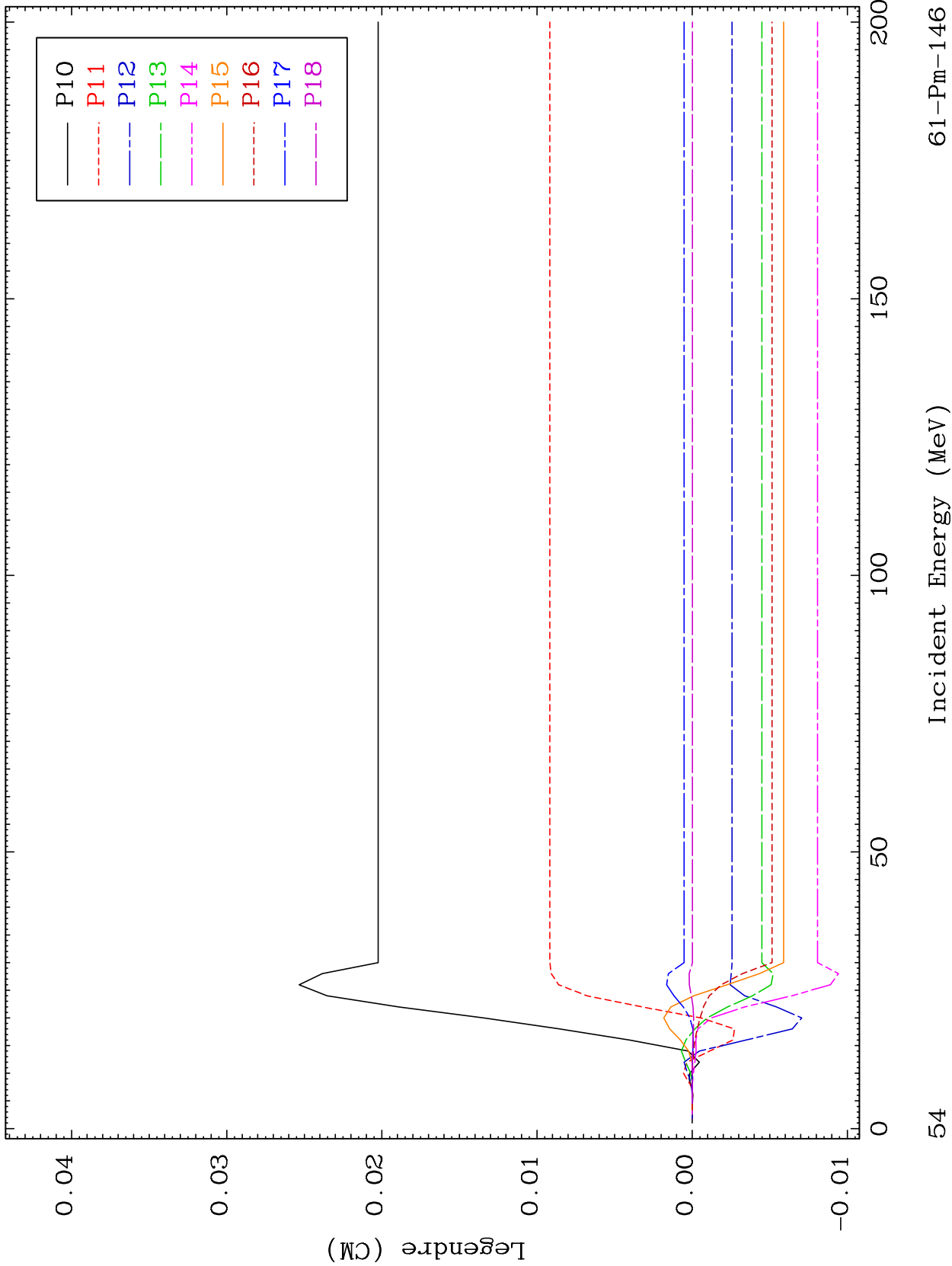
Incident Energy (MeV)

53

MAT 6146

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

61-Pm-146



54

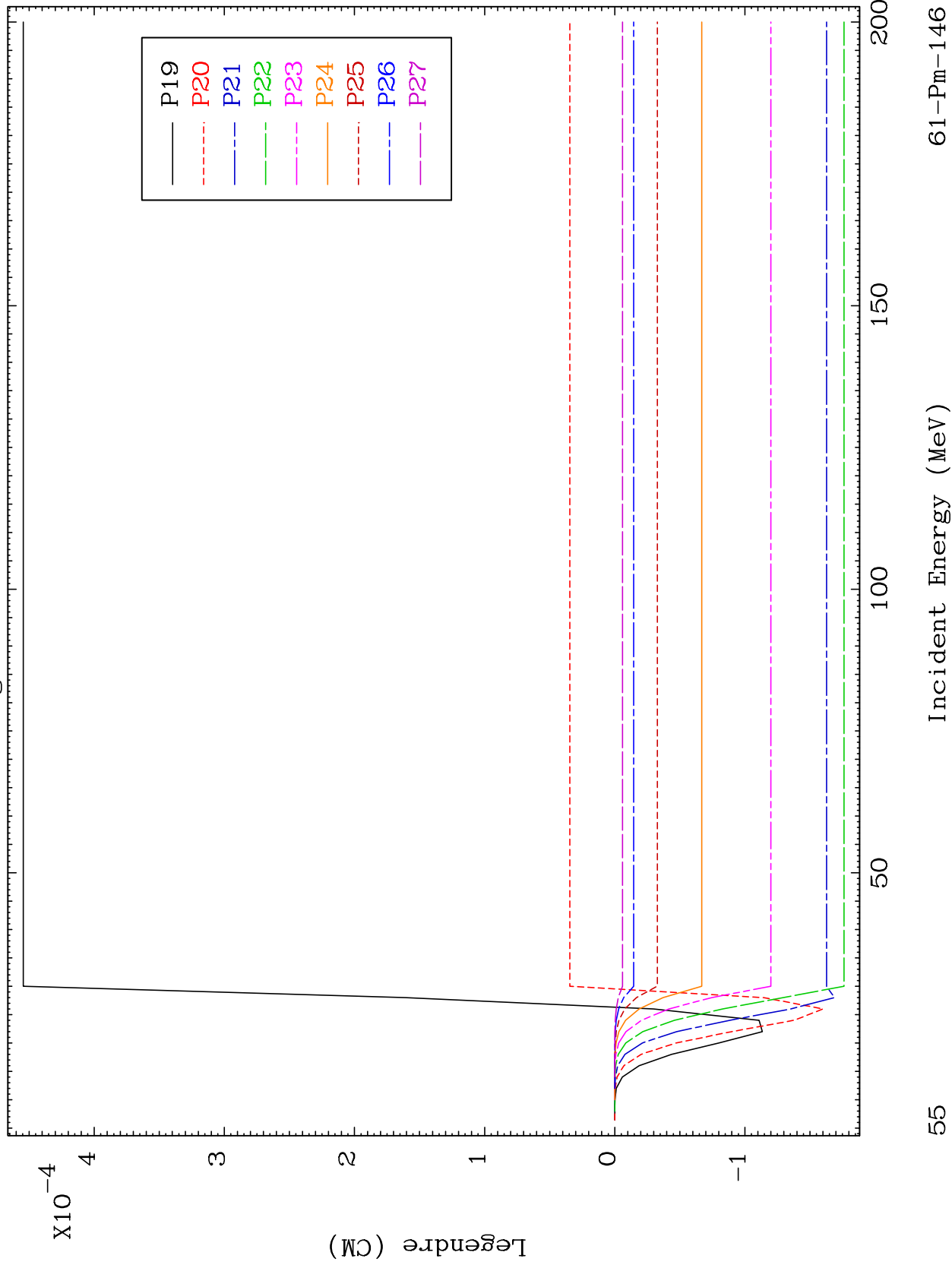
Incident Energy (MeV)

61-Pm-146

MAT 6146

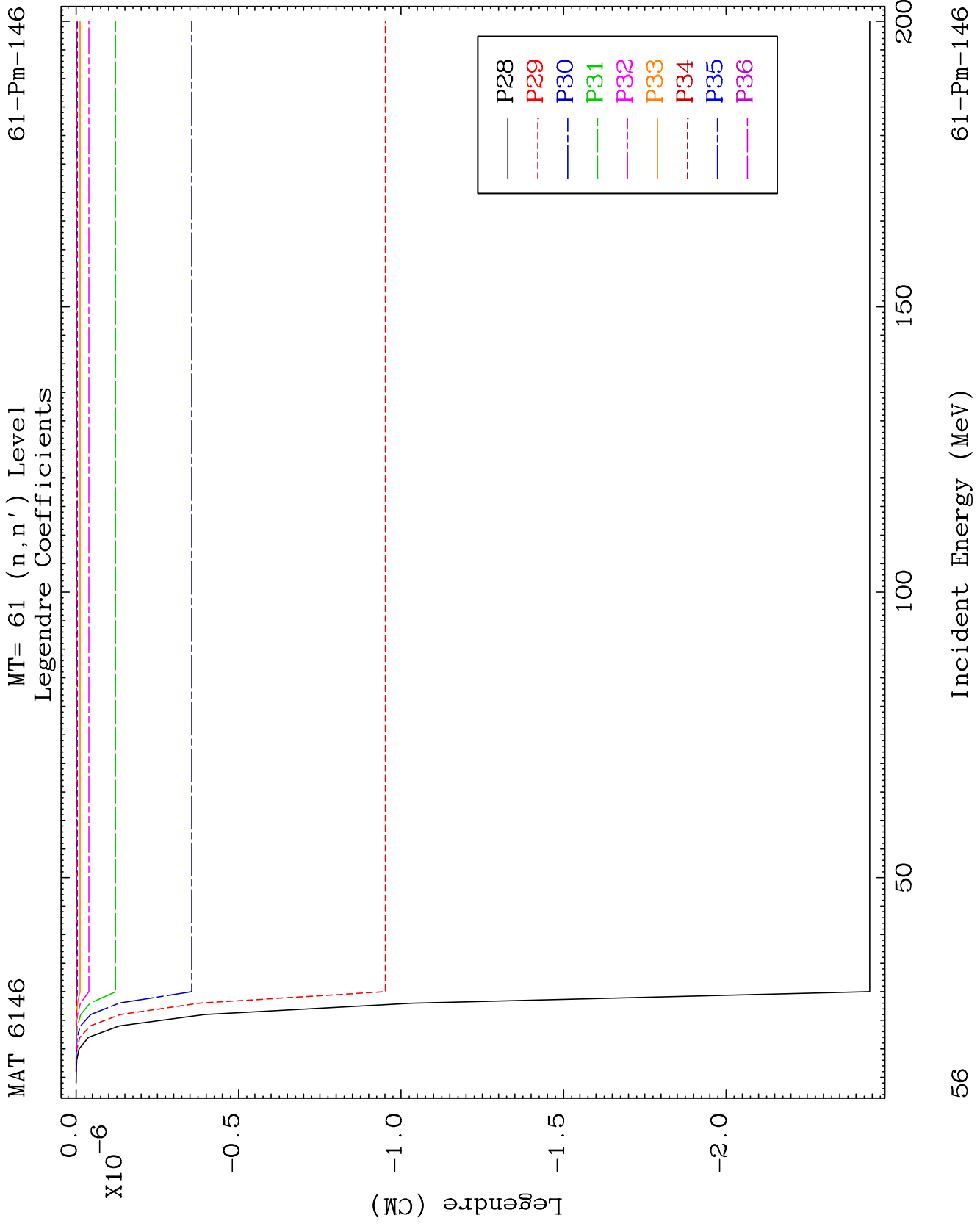
MT= 61 (n,n') Level
Legendre Coefficients

61-Pm-146



55

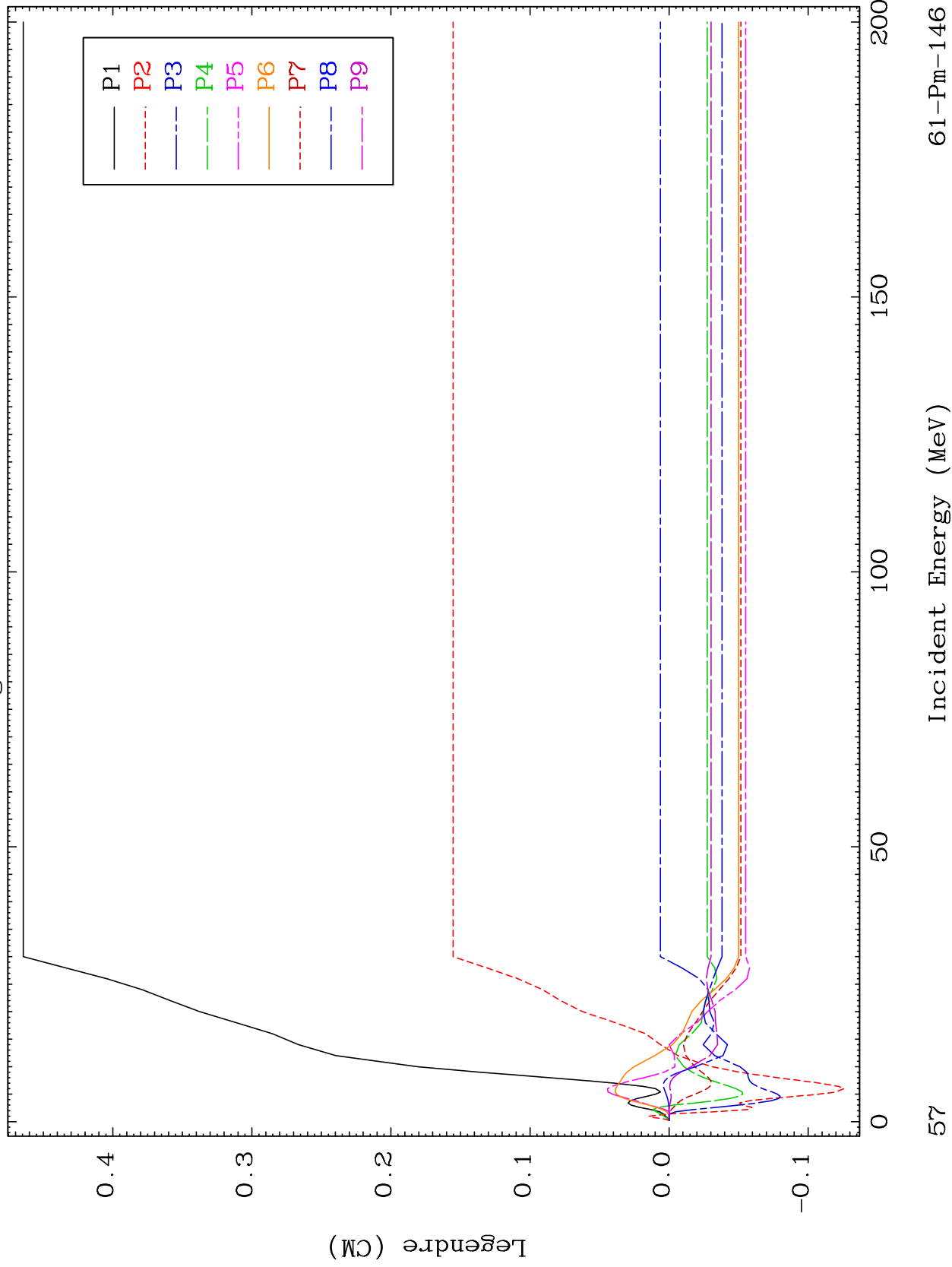
61-Pm-146



MAT 6146

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

61-Pm-146



61-Pm-146

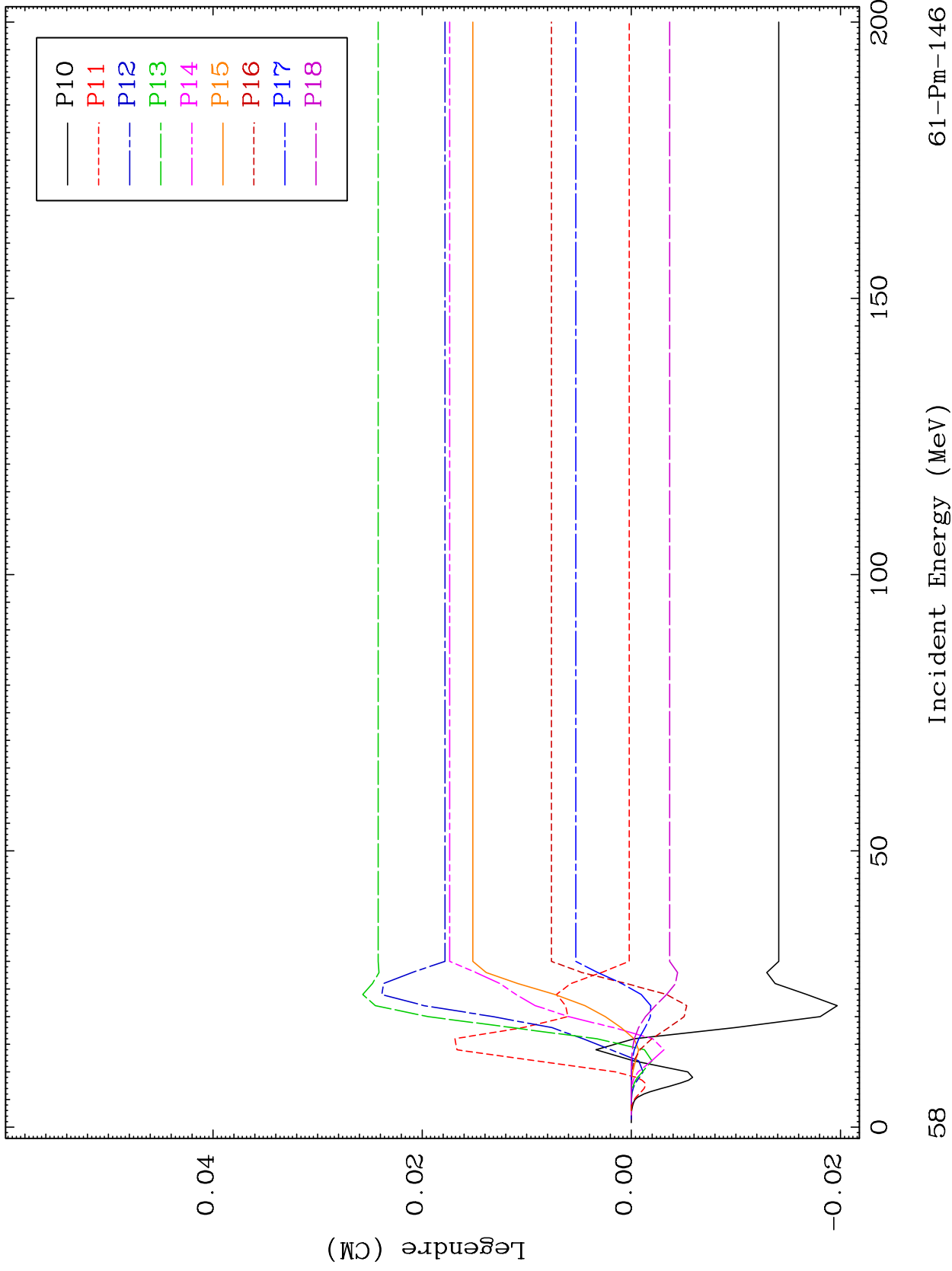
Incident Energy (MeV)

57

MAT 6146

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

61-Pm-146



61-Pm-146

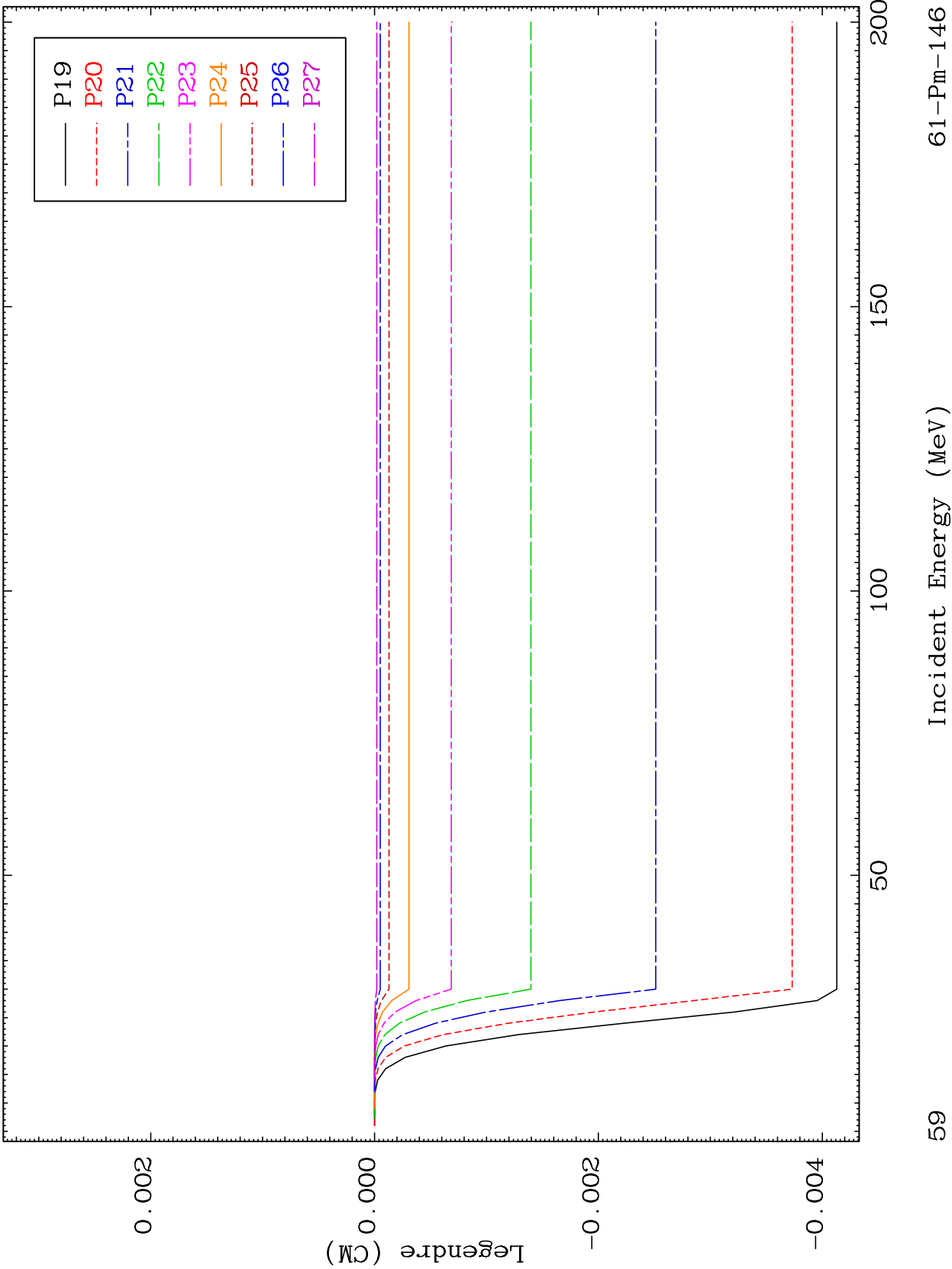
Incident Energy (MeV)

58

MAT 6146

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

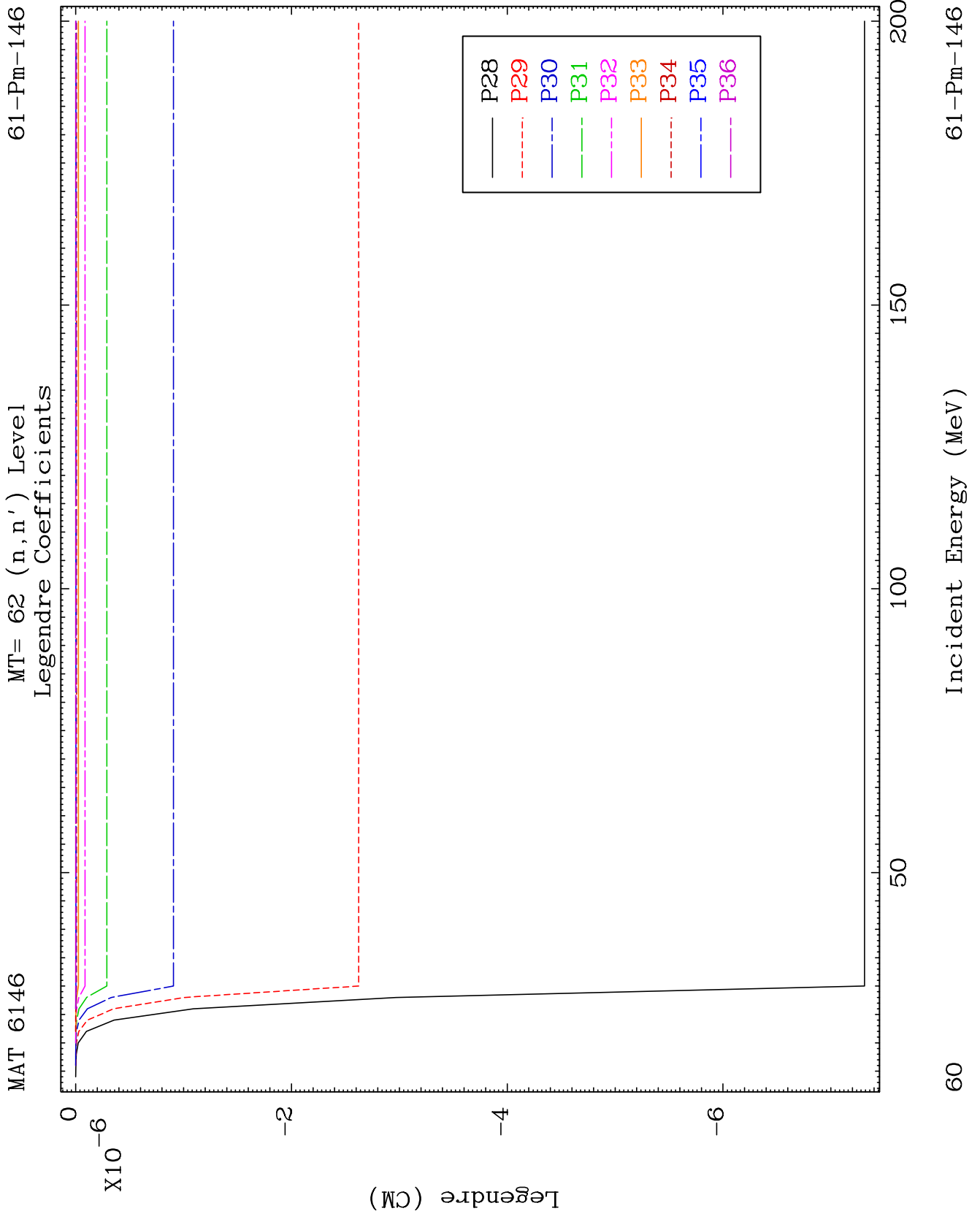
61-Pm-146



59

Incident Energy (MeV)

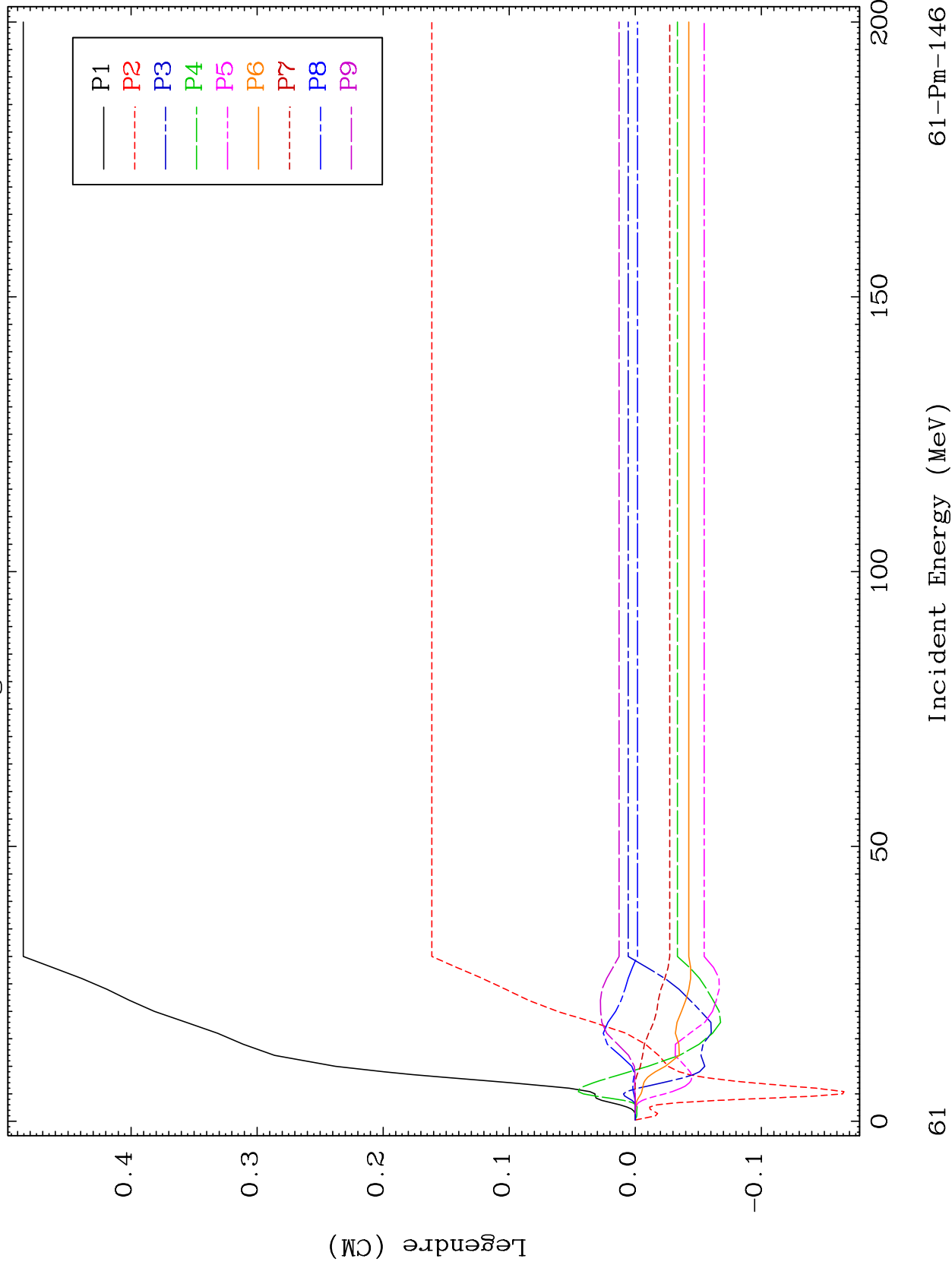
61-Pm-146



MAT 6146

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

61-Pm-146



61-Pm-146

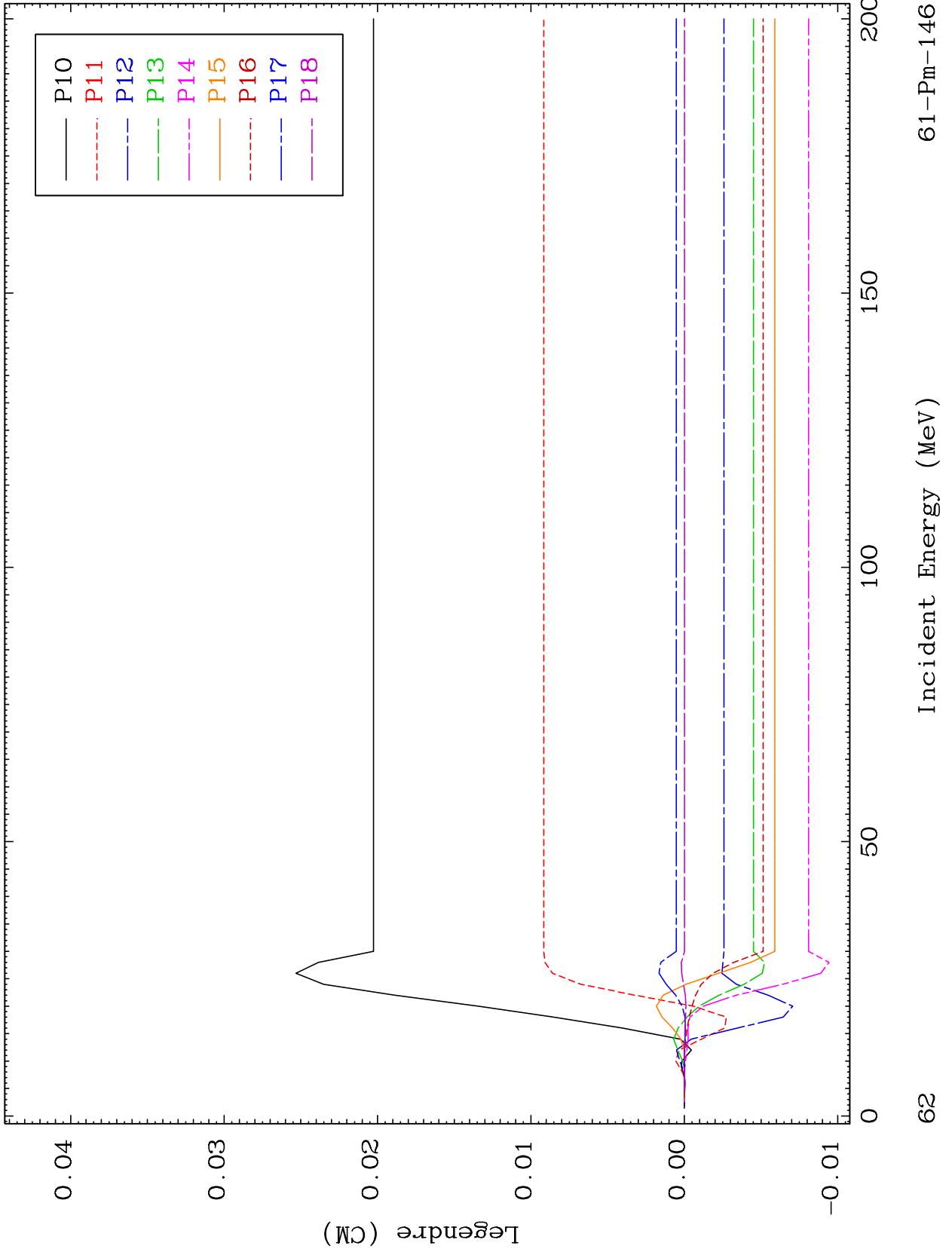
Incident Energy (MeV)

61

MAT 6146

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

61-Pm-146



61-Pm-146

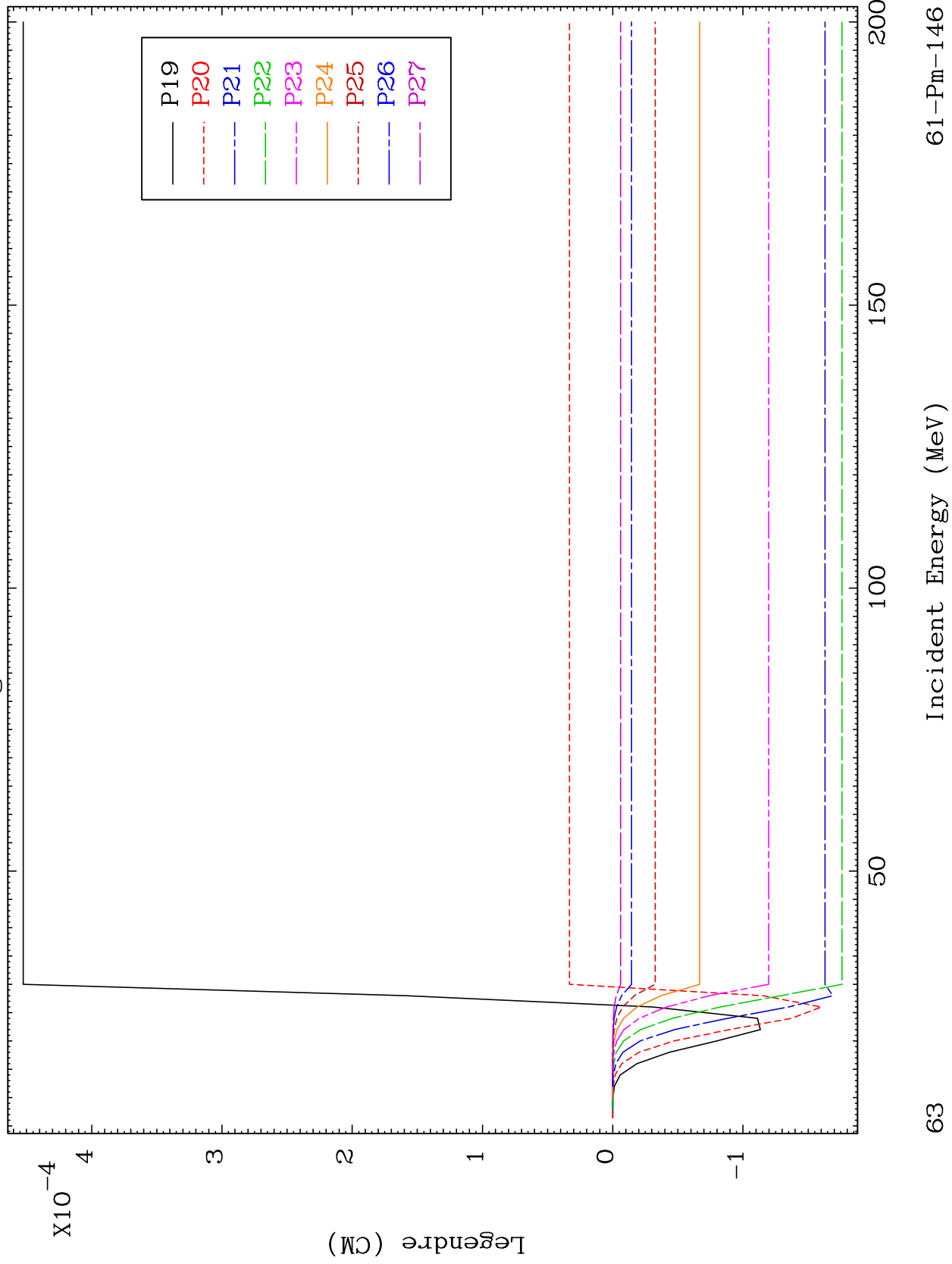
Incident Energy (MeV)

62

MAT 6146

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

61-Pm-146



63

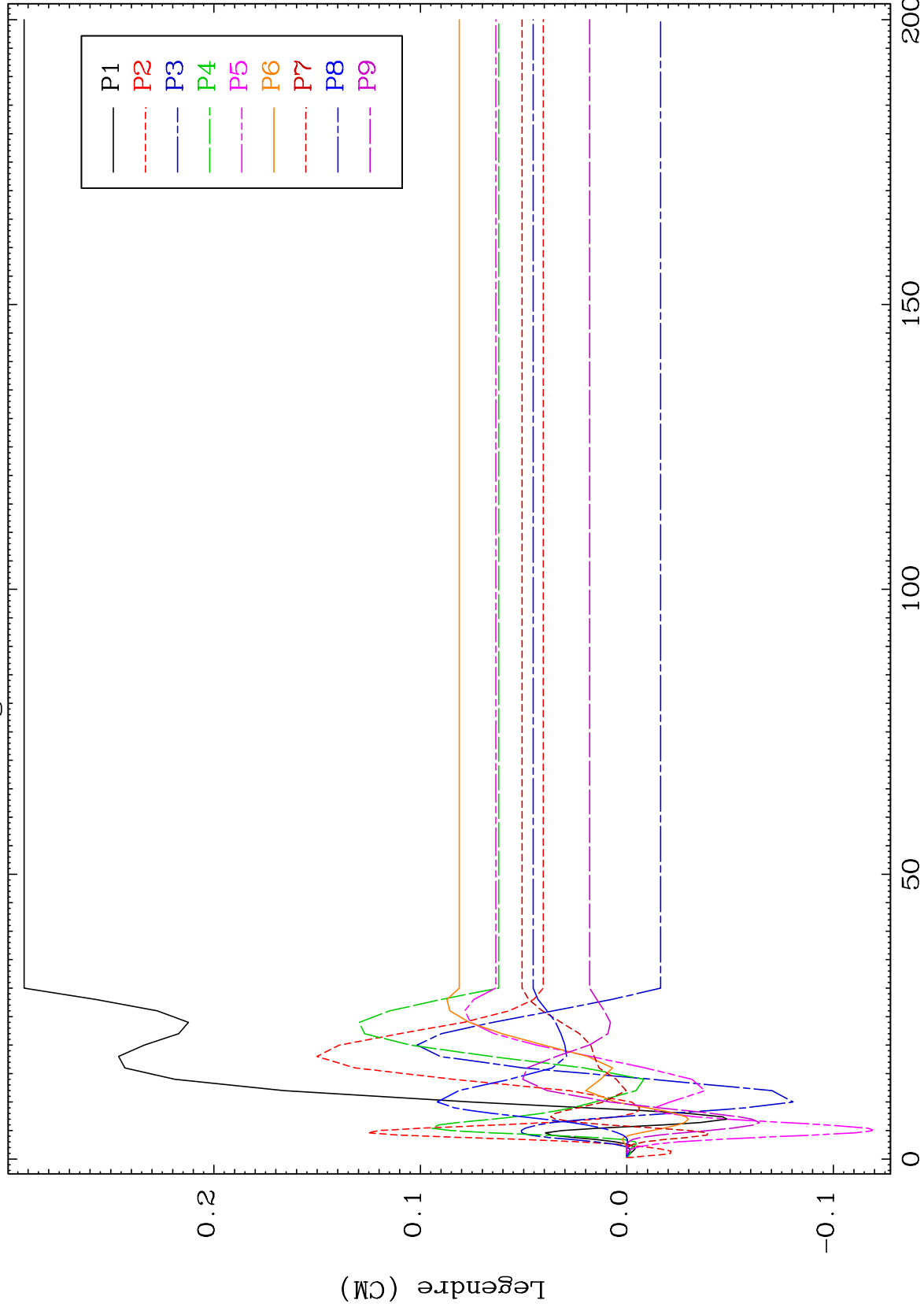
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

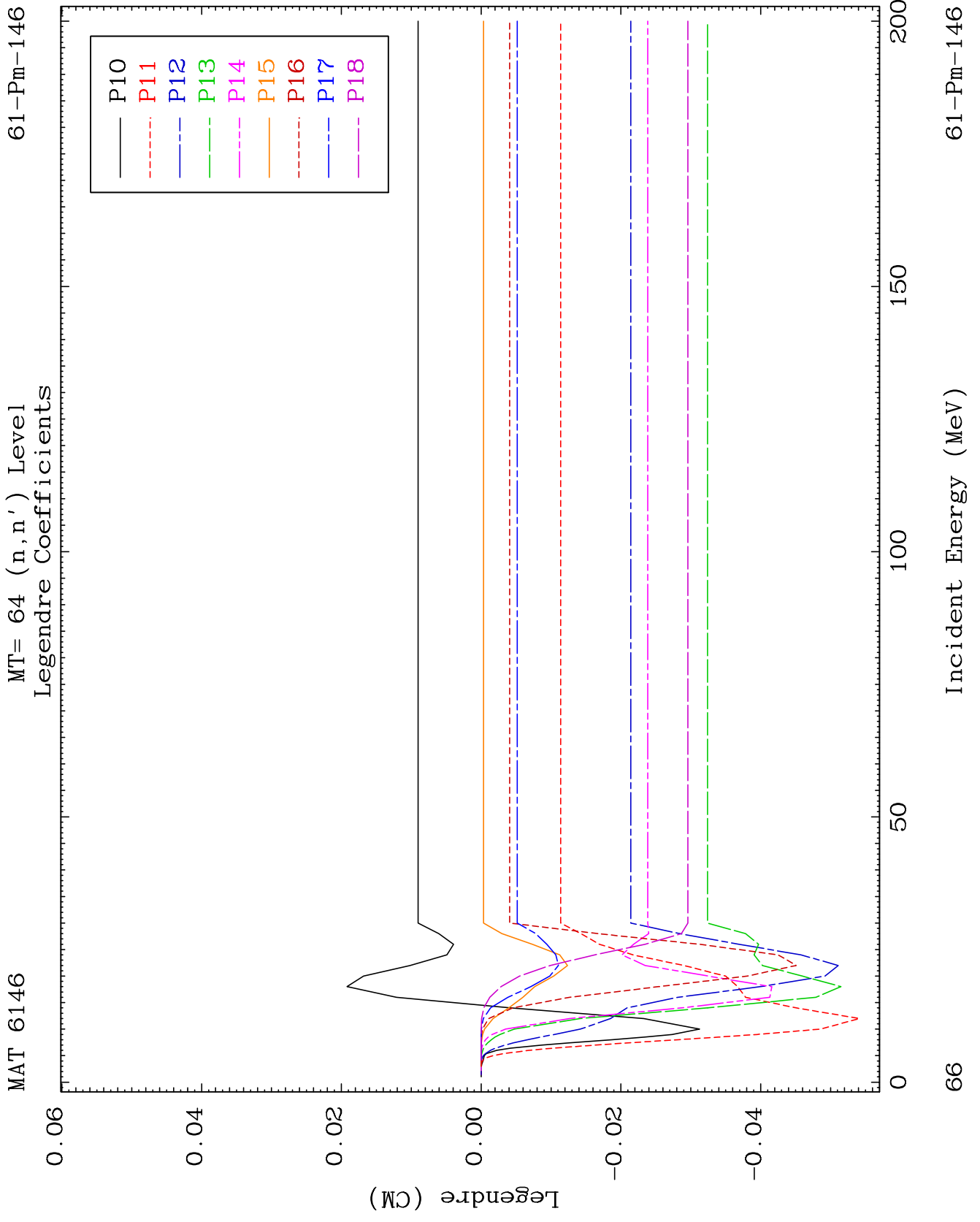
61-Pm-146



65

Incident Energy (MeV)

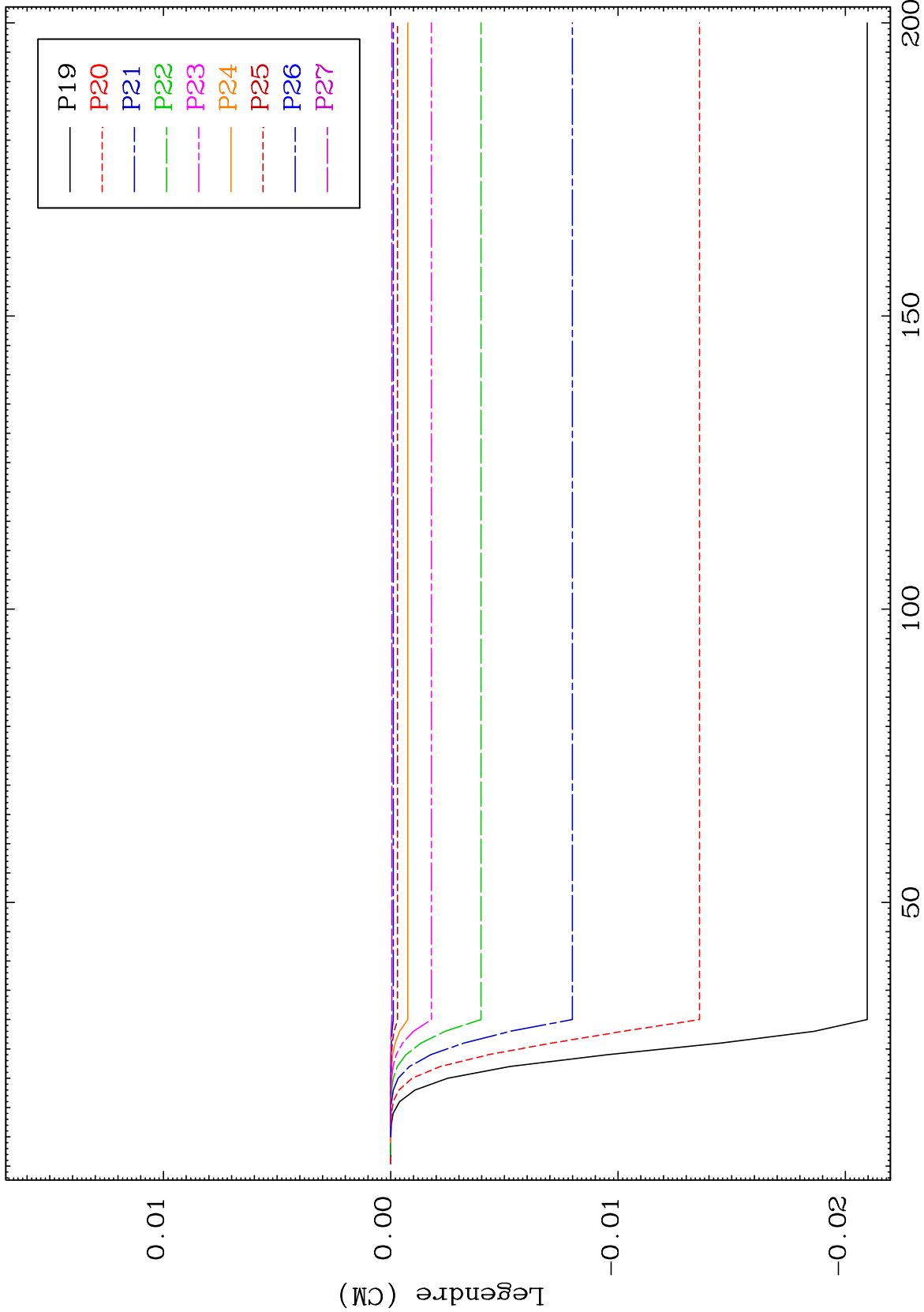
61-Pm-146



MAT 6146

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

61-Pm-146



67

Incident Energy (MeV)

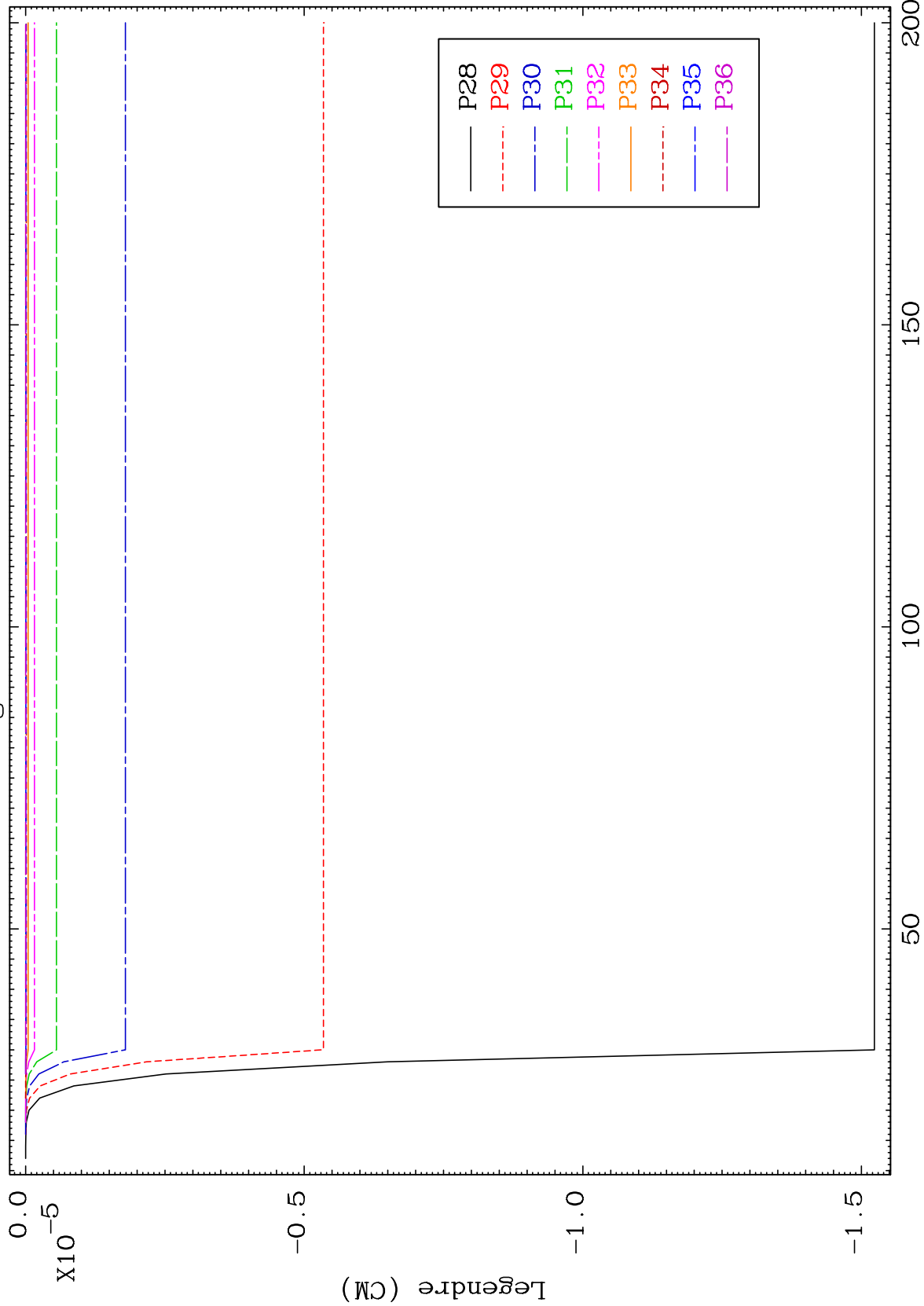
61-Pm-146

MAT 6146

MT= 64 (n,n') Level

61-Pm-146

Legendre Coefficients



61-Pm-146

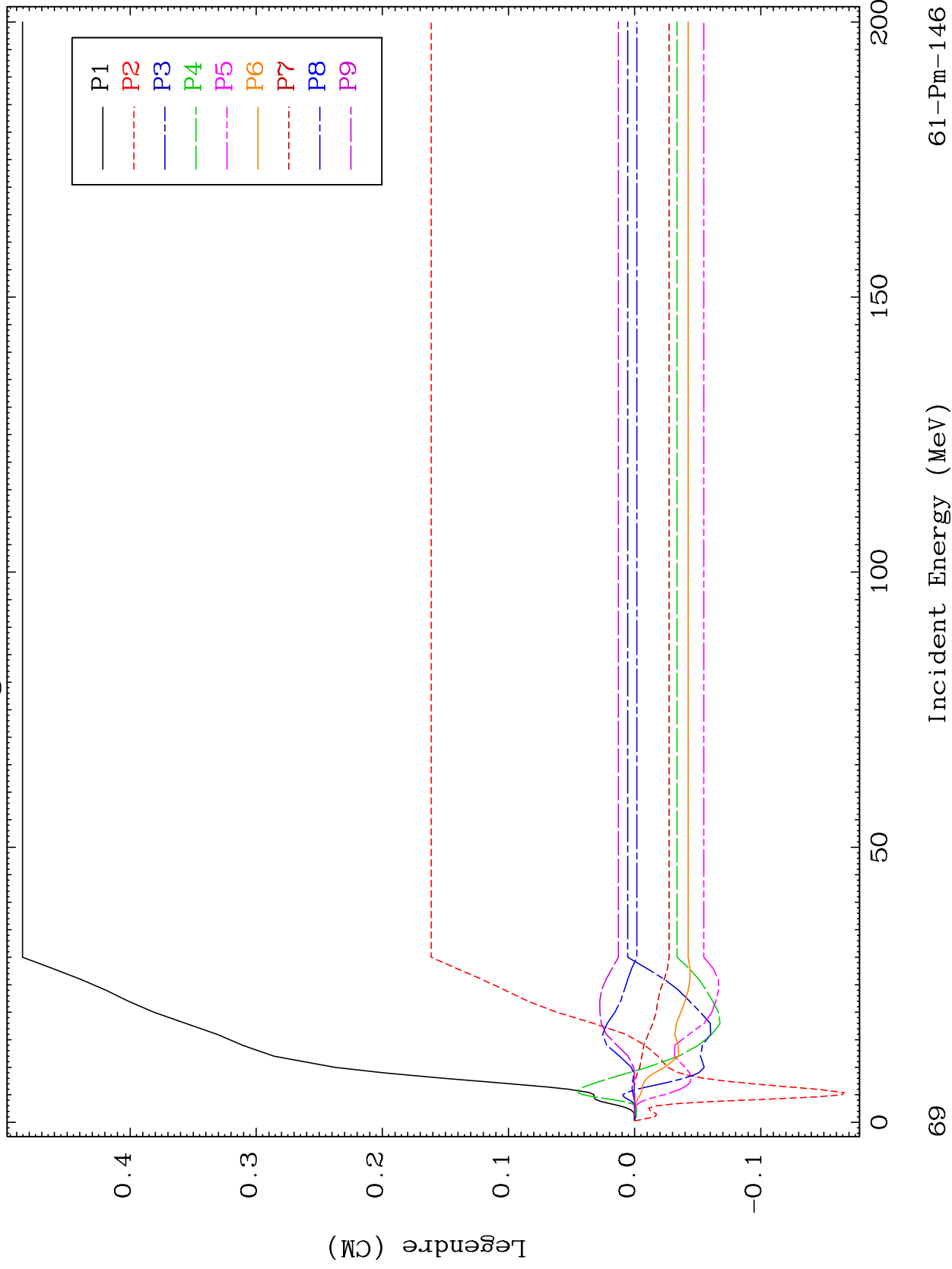
Incident Energy (MeV)

68

MAT 6146

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

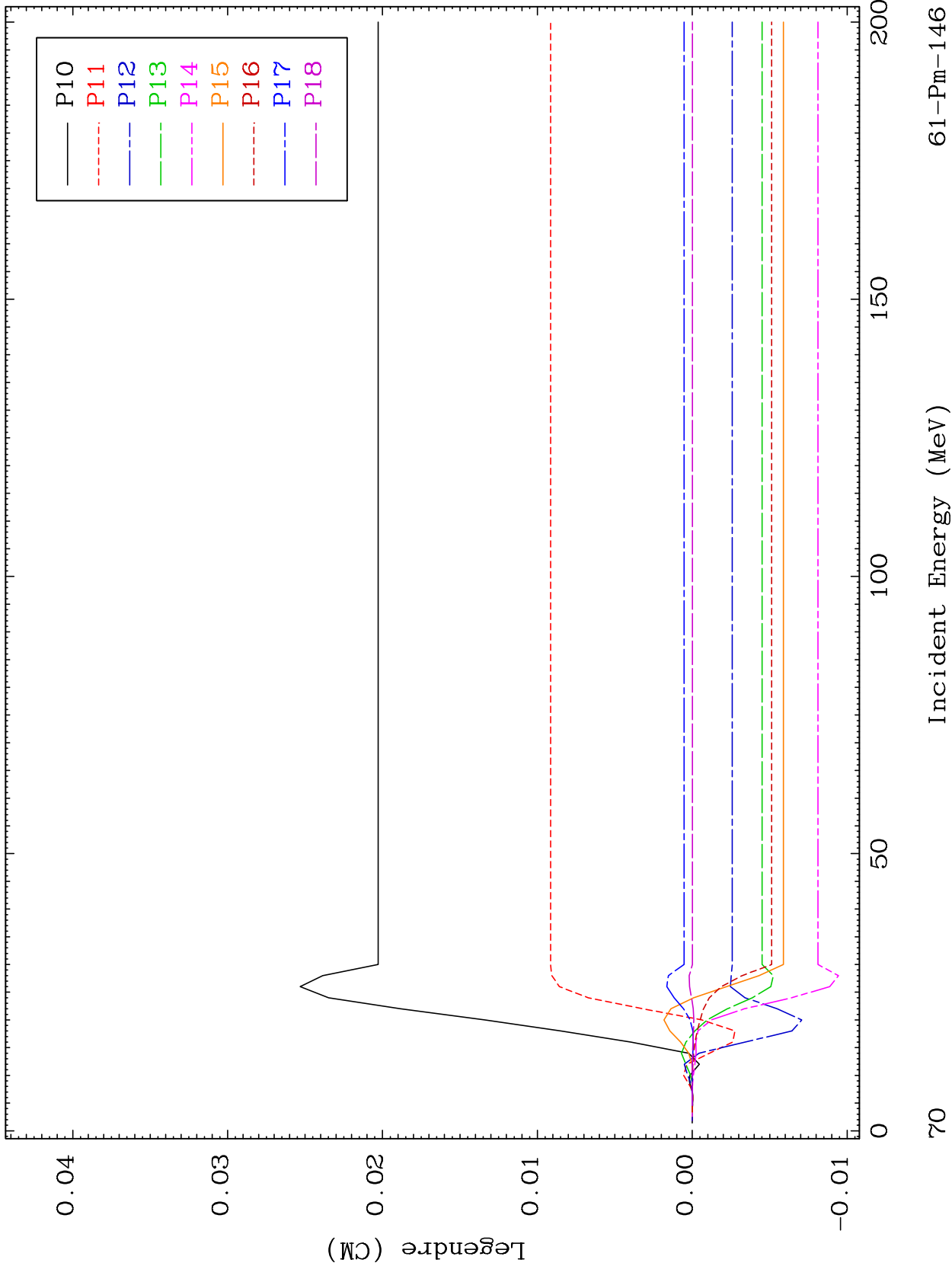
61-Pm-146



MAT 6146

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

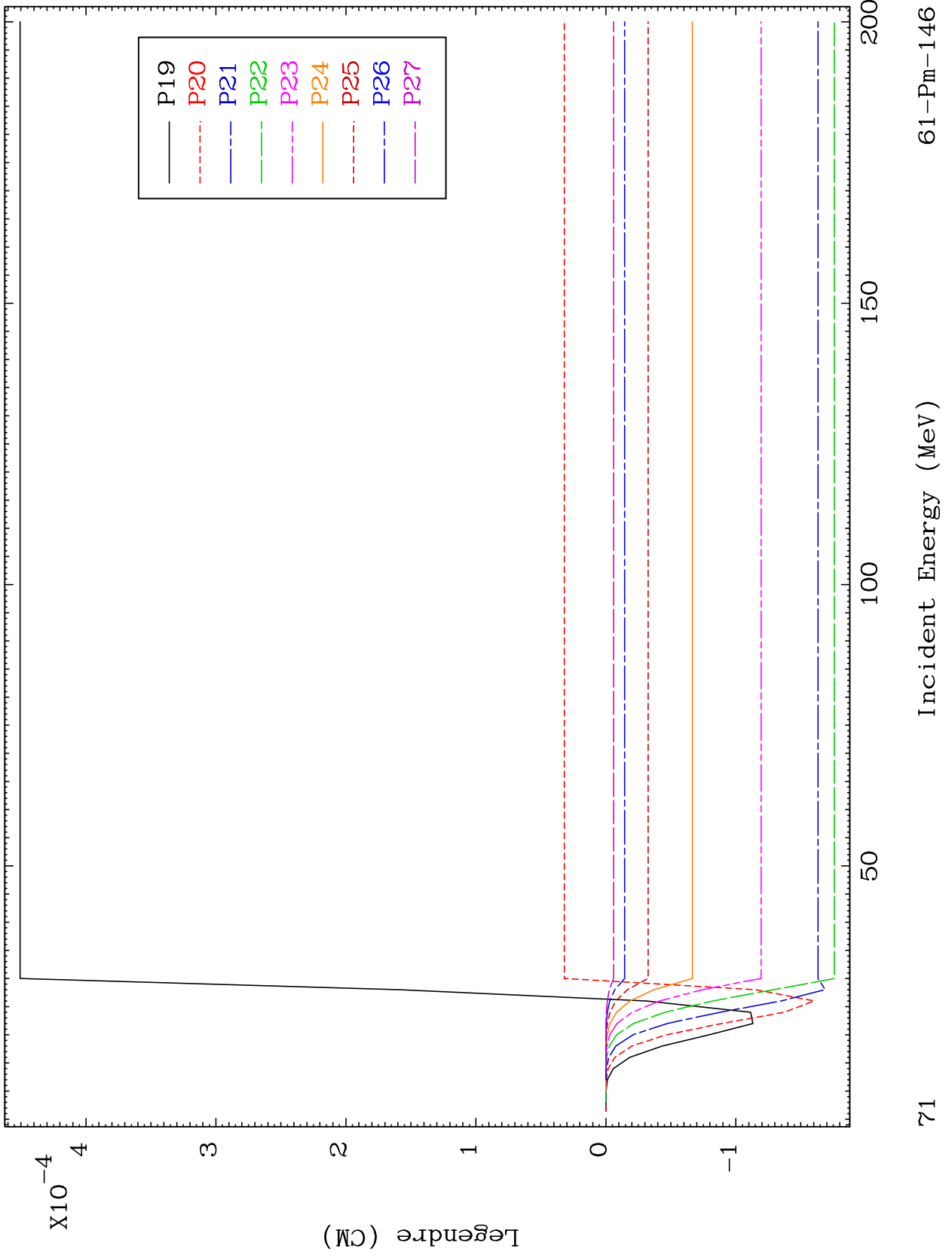
61-Pm-146



61-Pm-146

Incident Energy (MeV)

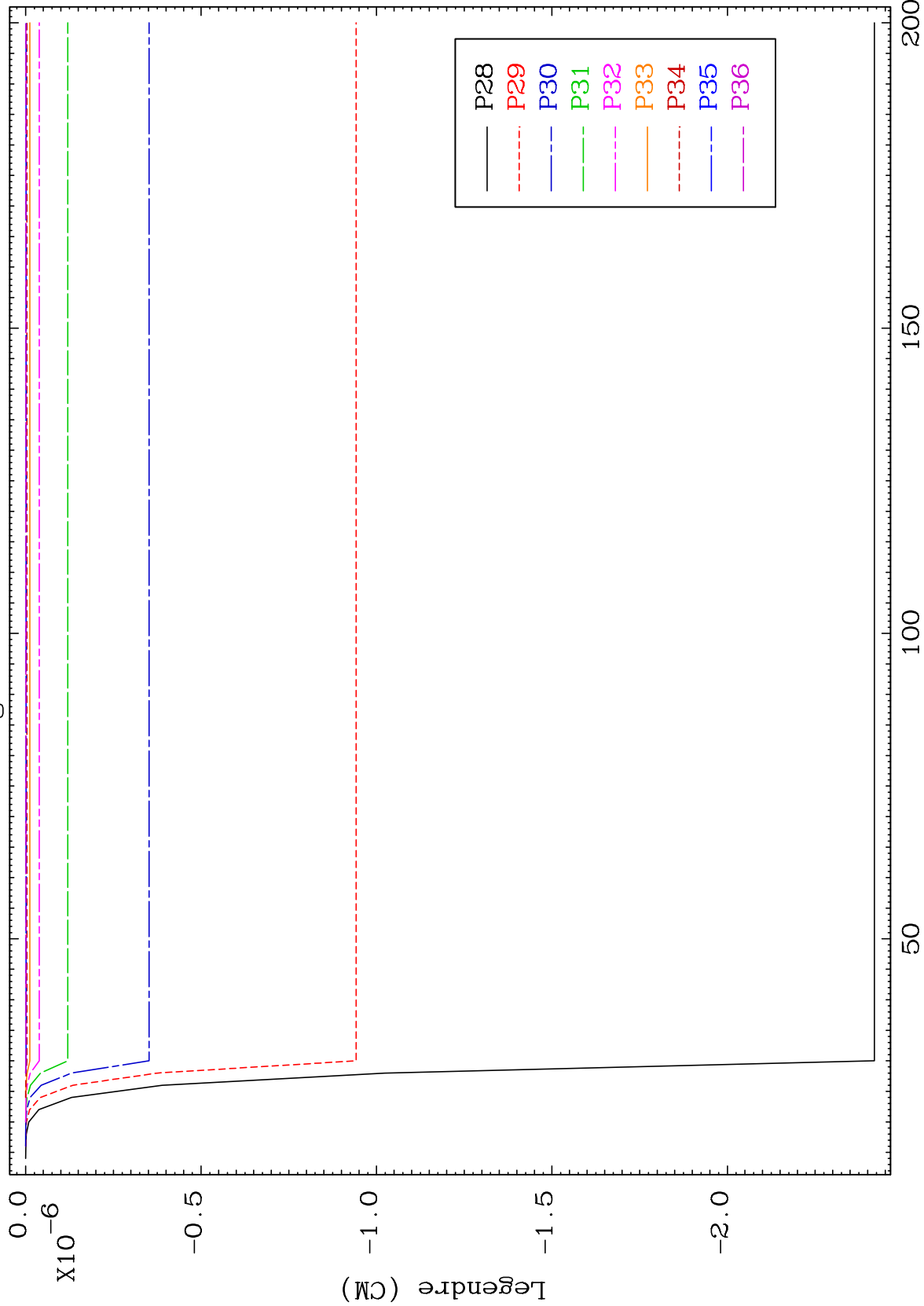
70



MAT 6146

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

61-Pm-146



61-Pm-146

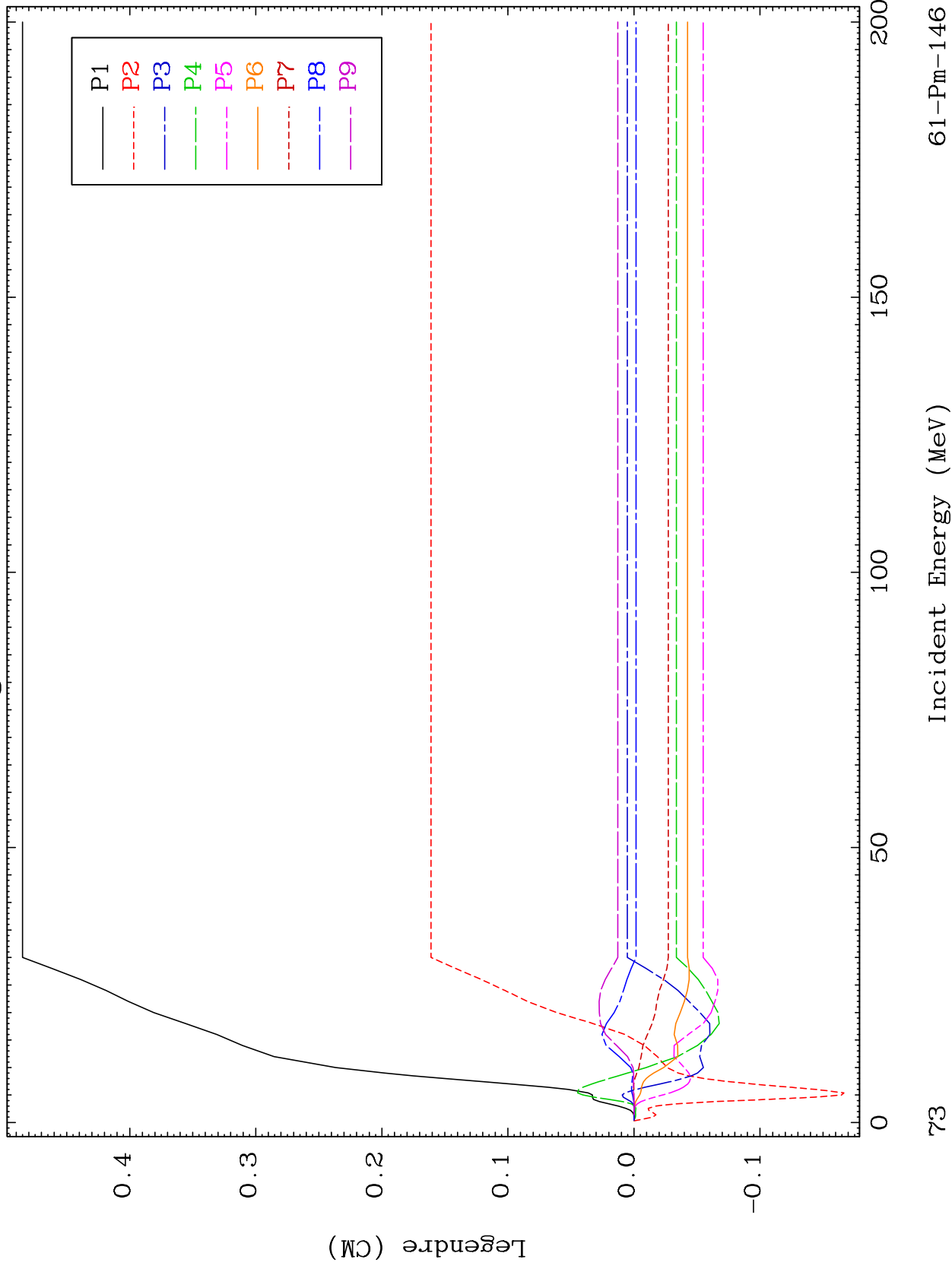
Incident Energy (MeV)

72

MAT 6146

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

61-Pm-146



61-Pm-146

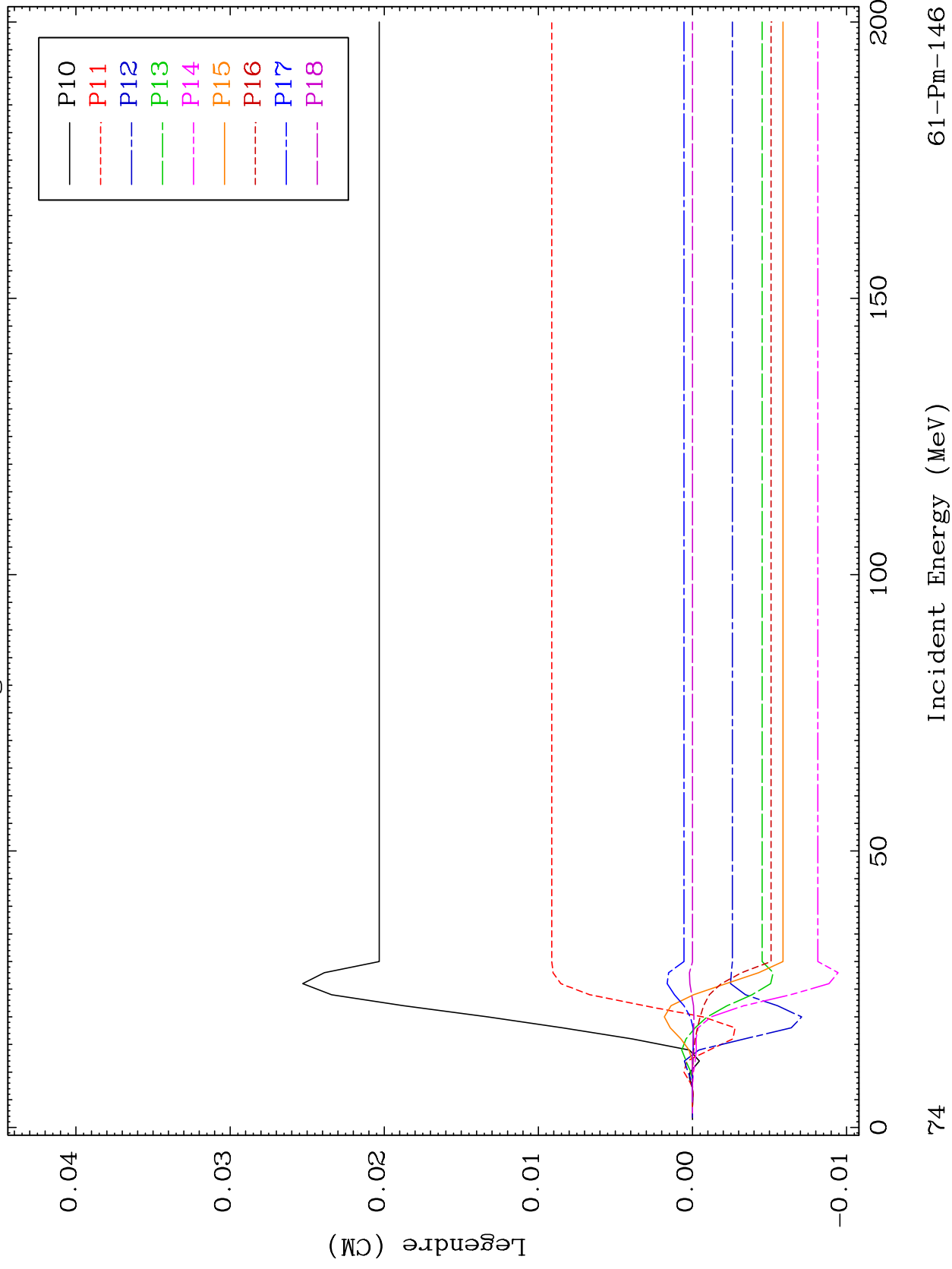
Incident Energy (MeV)

73

MAT 6146

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

61-Pm-146



74

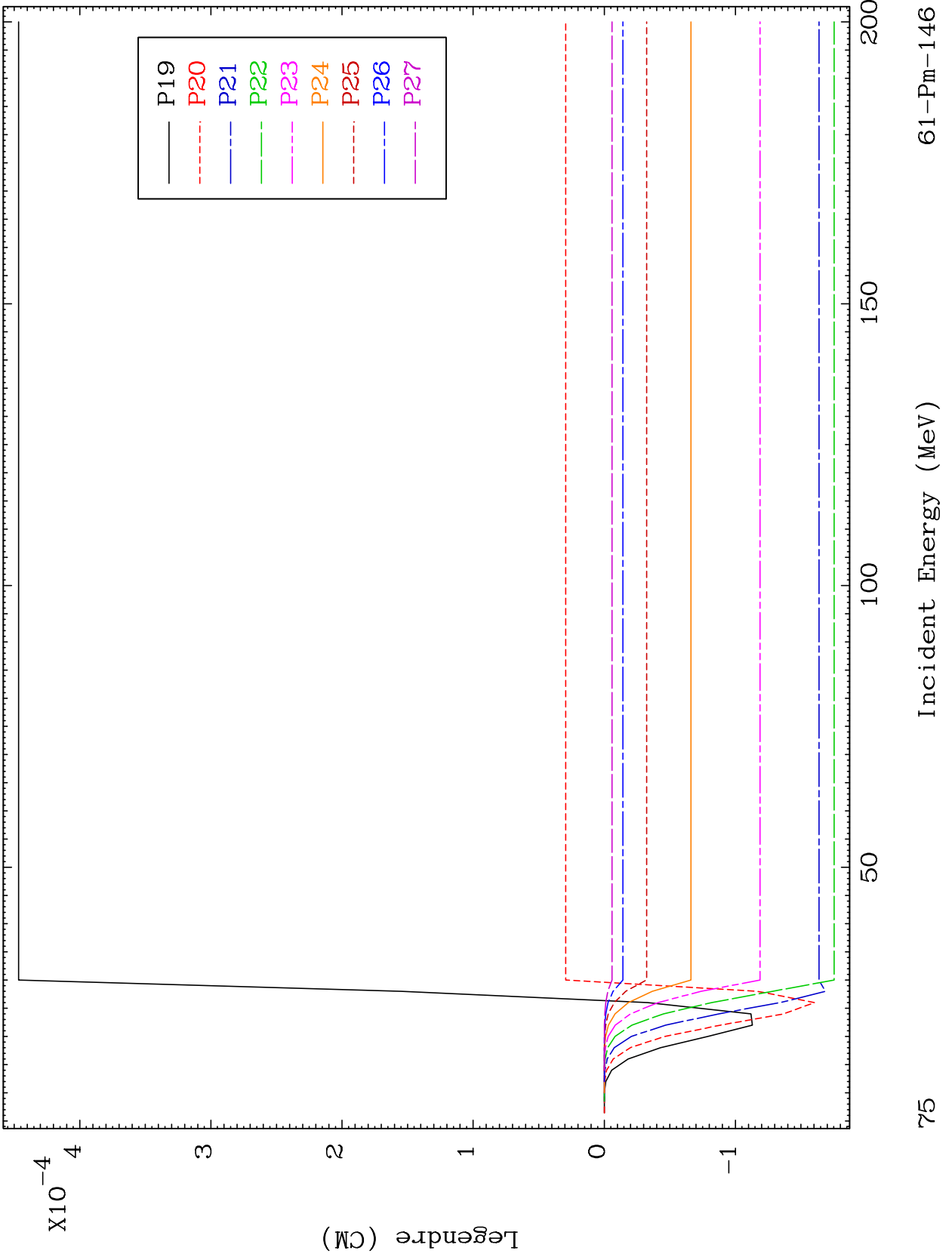
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

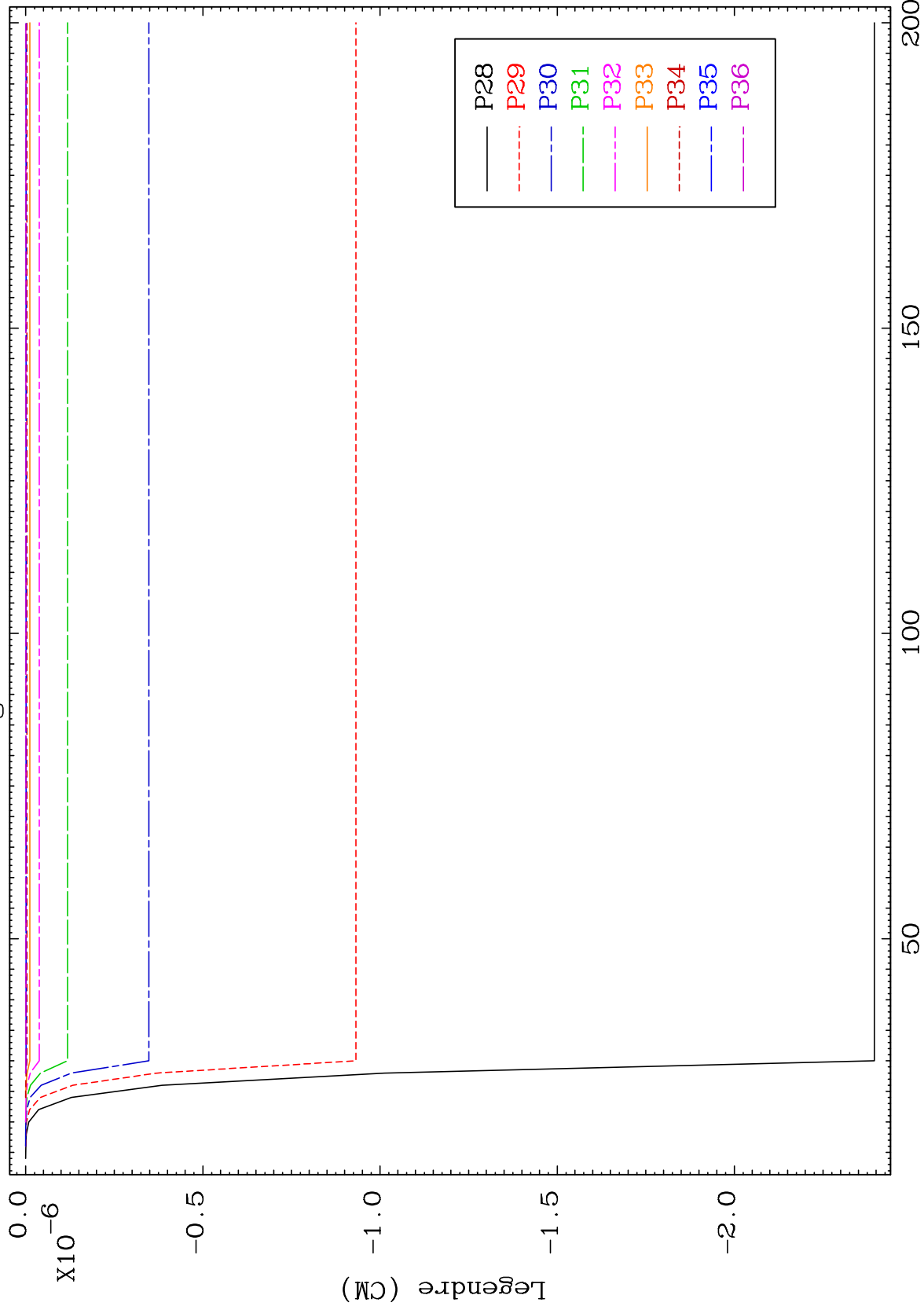
61-Pm-146



MAT 6146

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

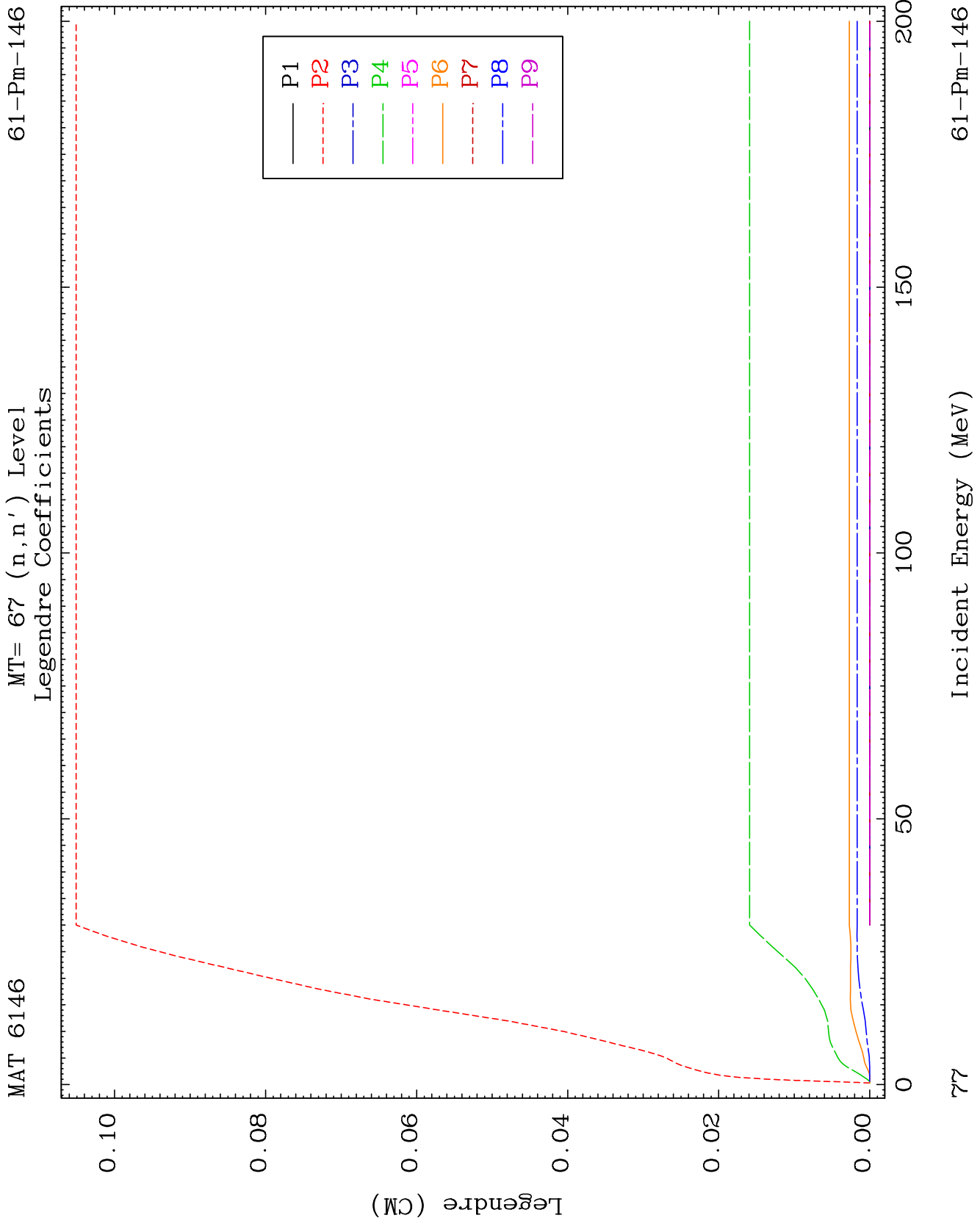
61-Pm-146



61-Pm-146

Incident Energy (MeV)

76



61-Pm-146

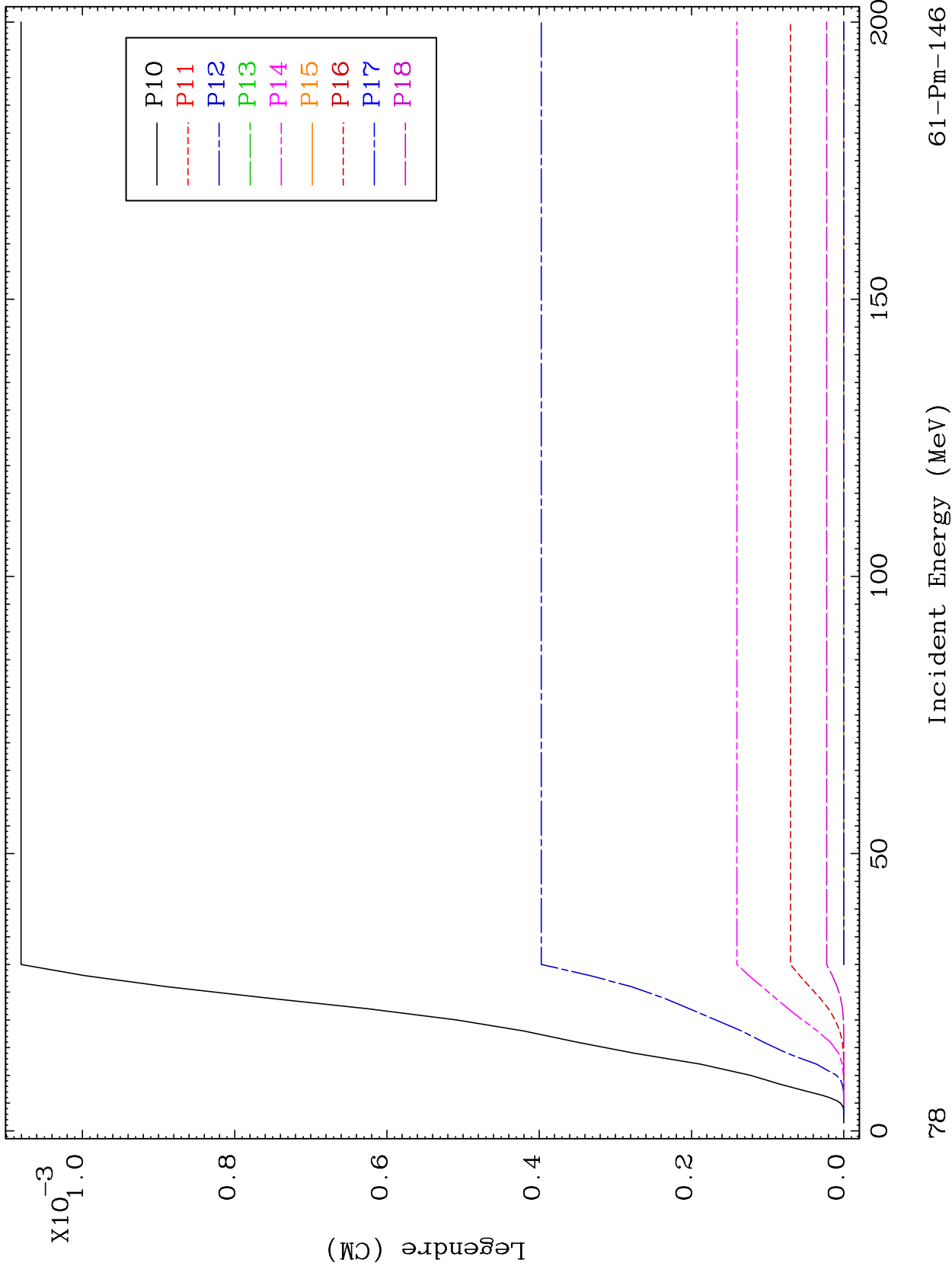
Incident Energy (MeV)

77

MAT 6146

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

61-Pm-146



78

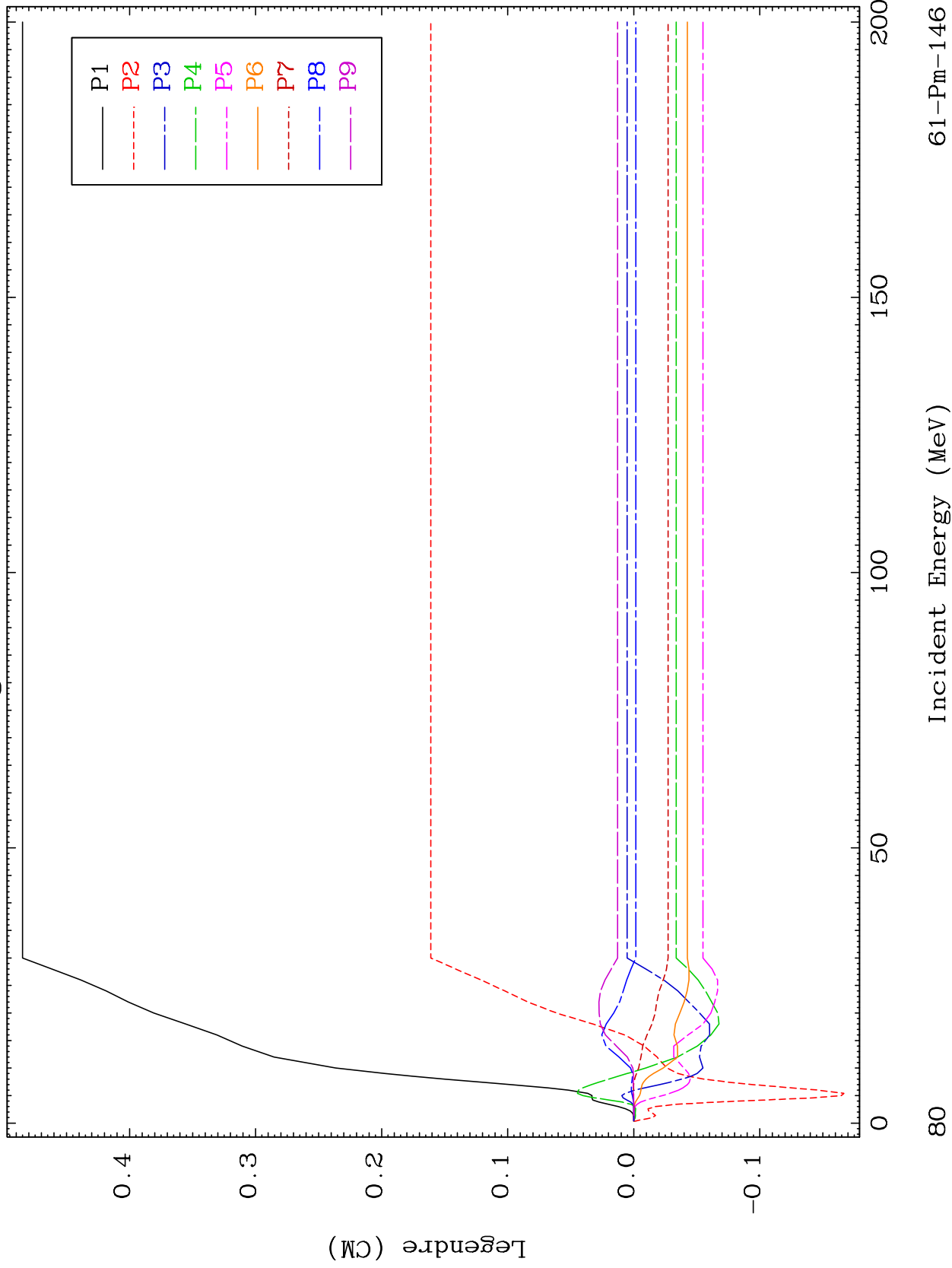
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

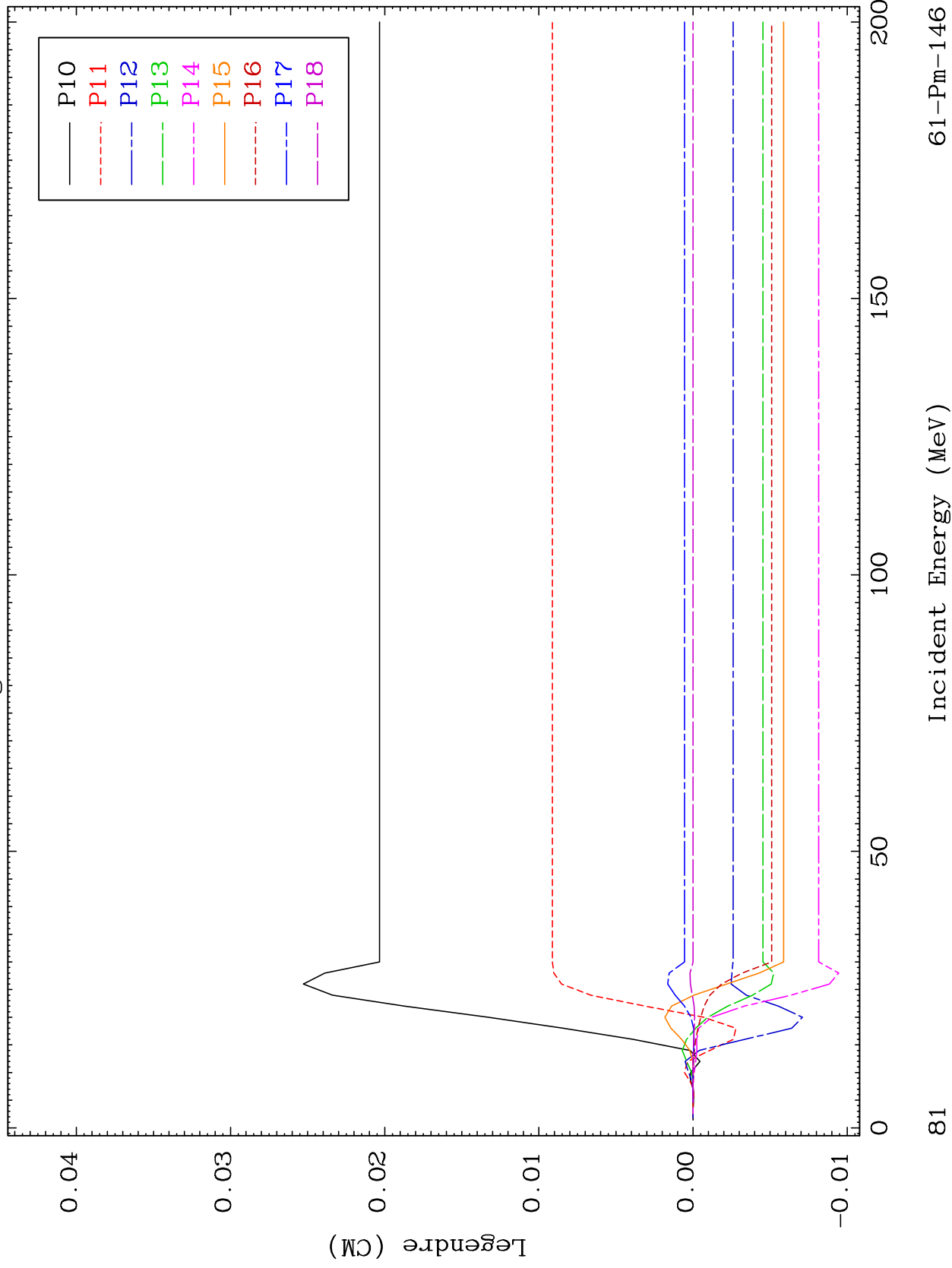
61-Pm-146



MAT 6146

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

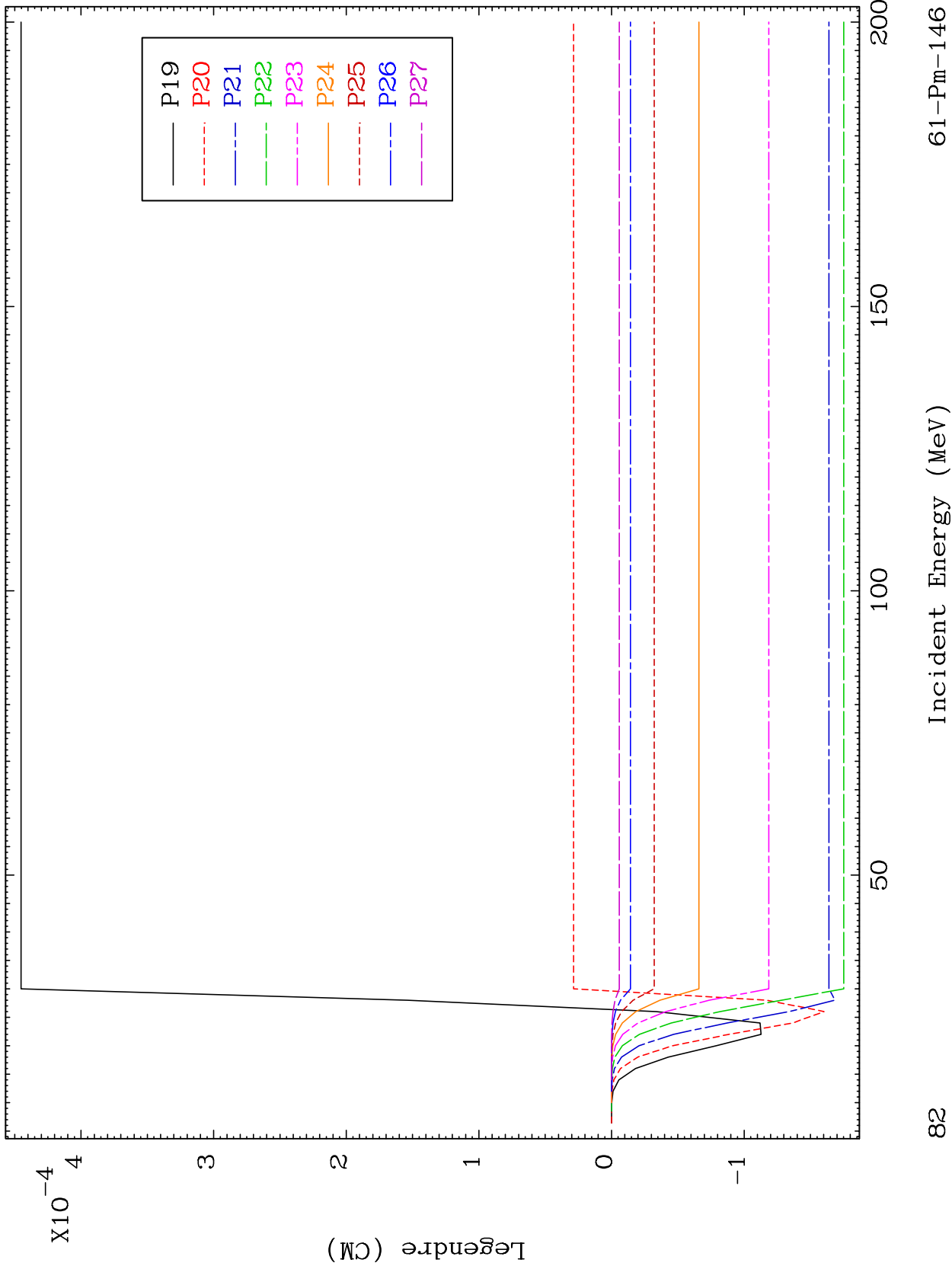
61-Pm-146

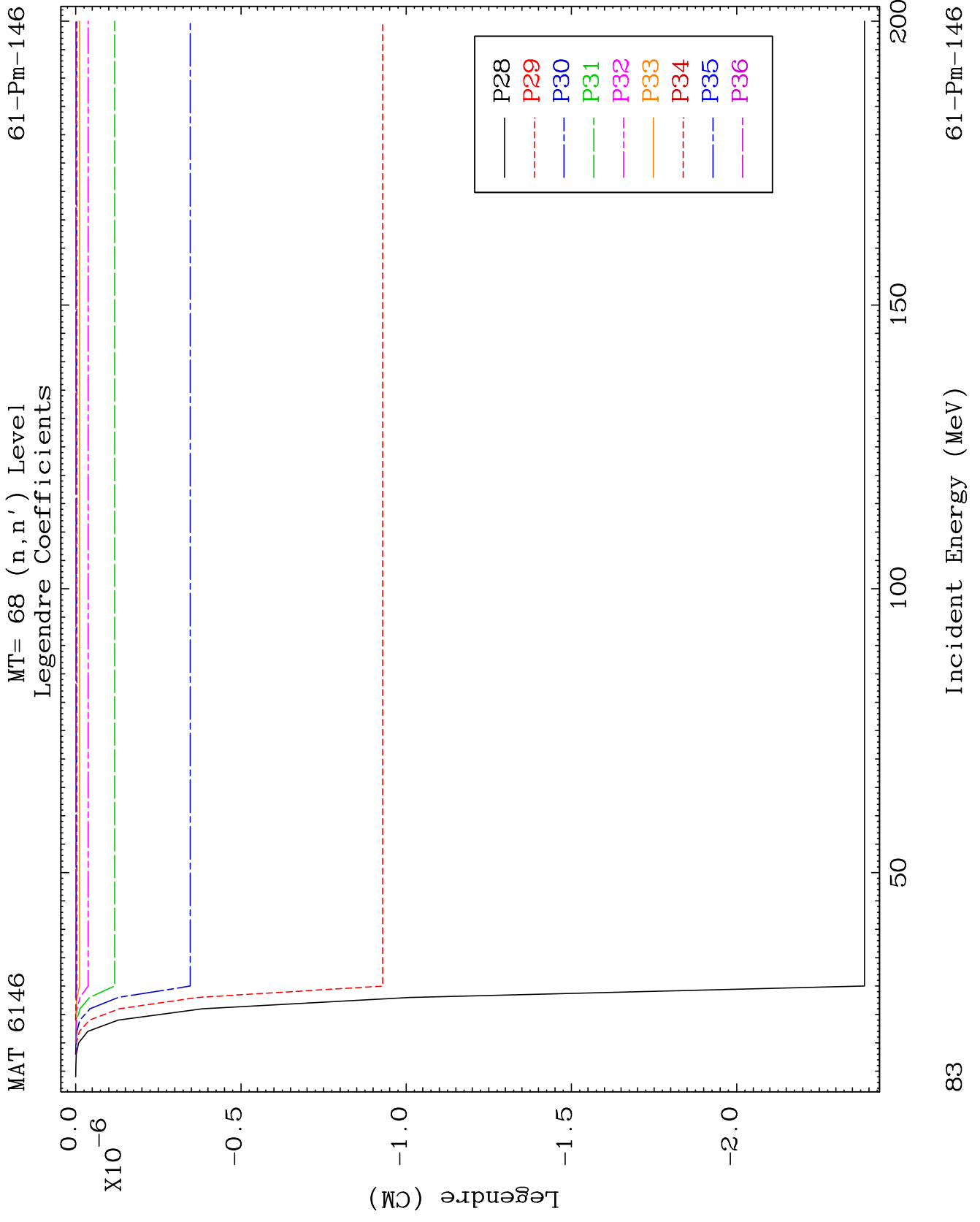


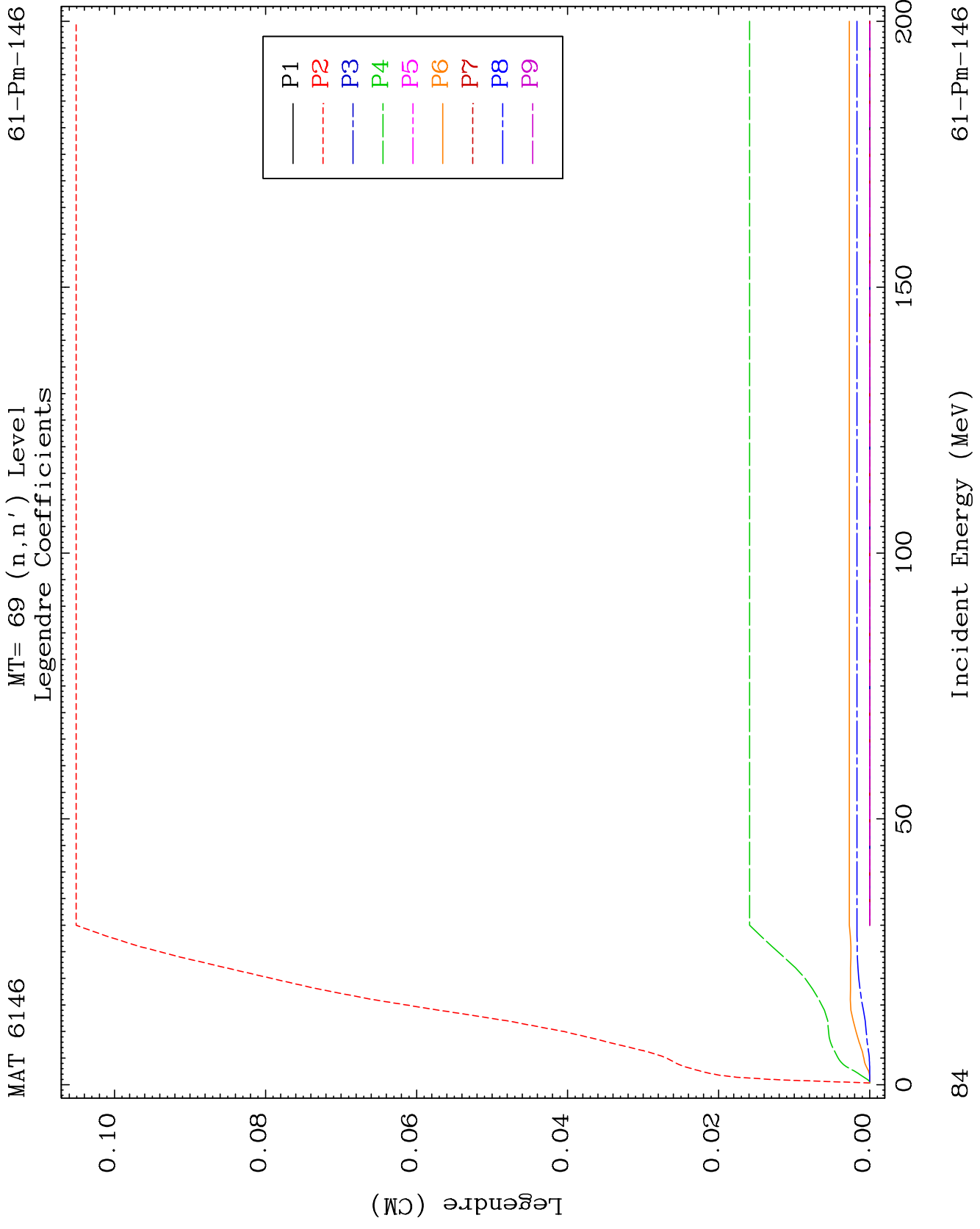
61-Pm-146

Incident Energy (MeV)

81







61-Pm-146

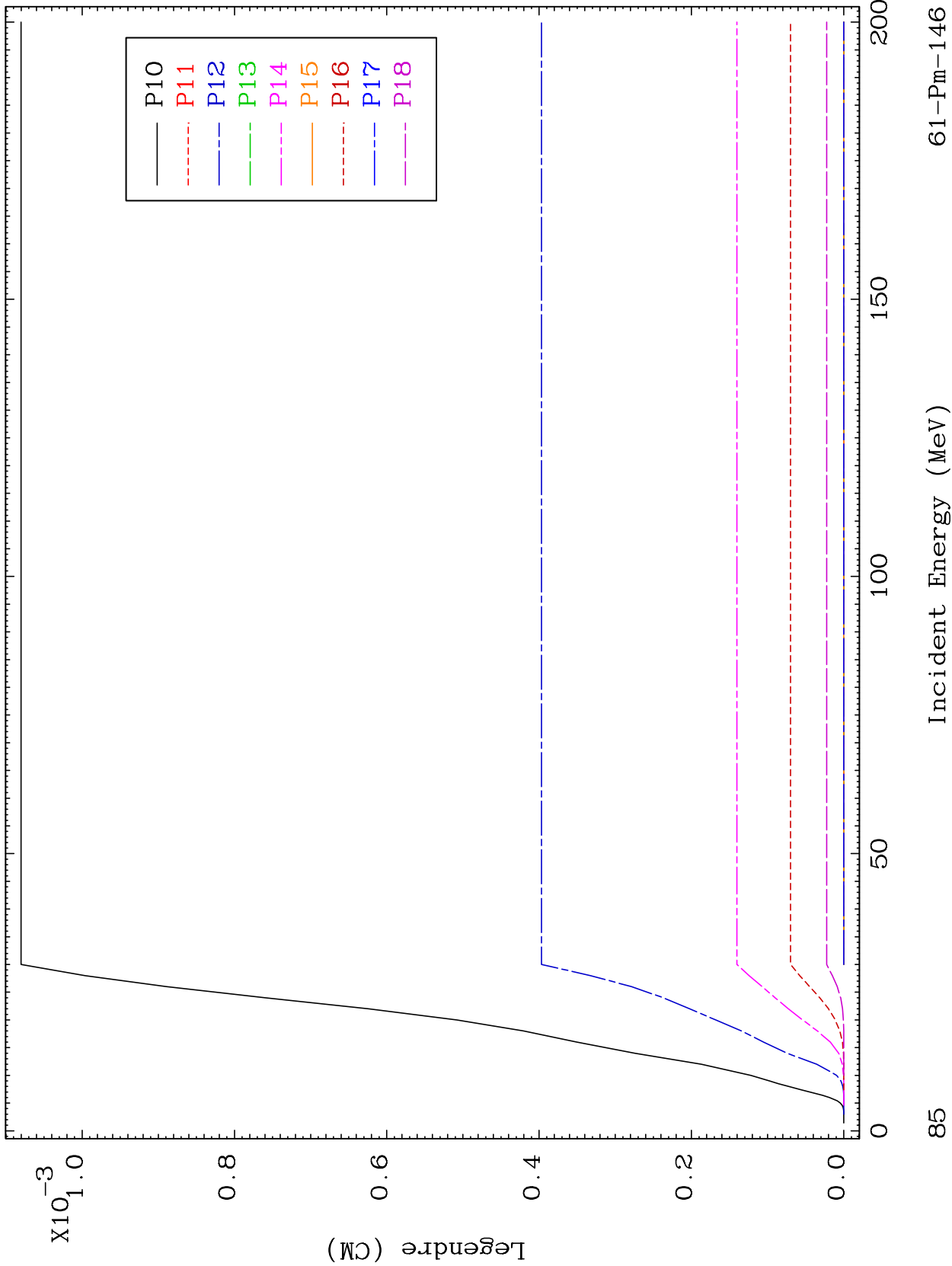
Incident Energy (MeV)

84

MAT 6146

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

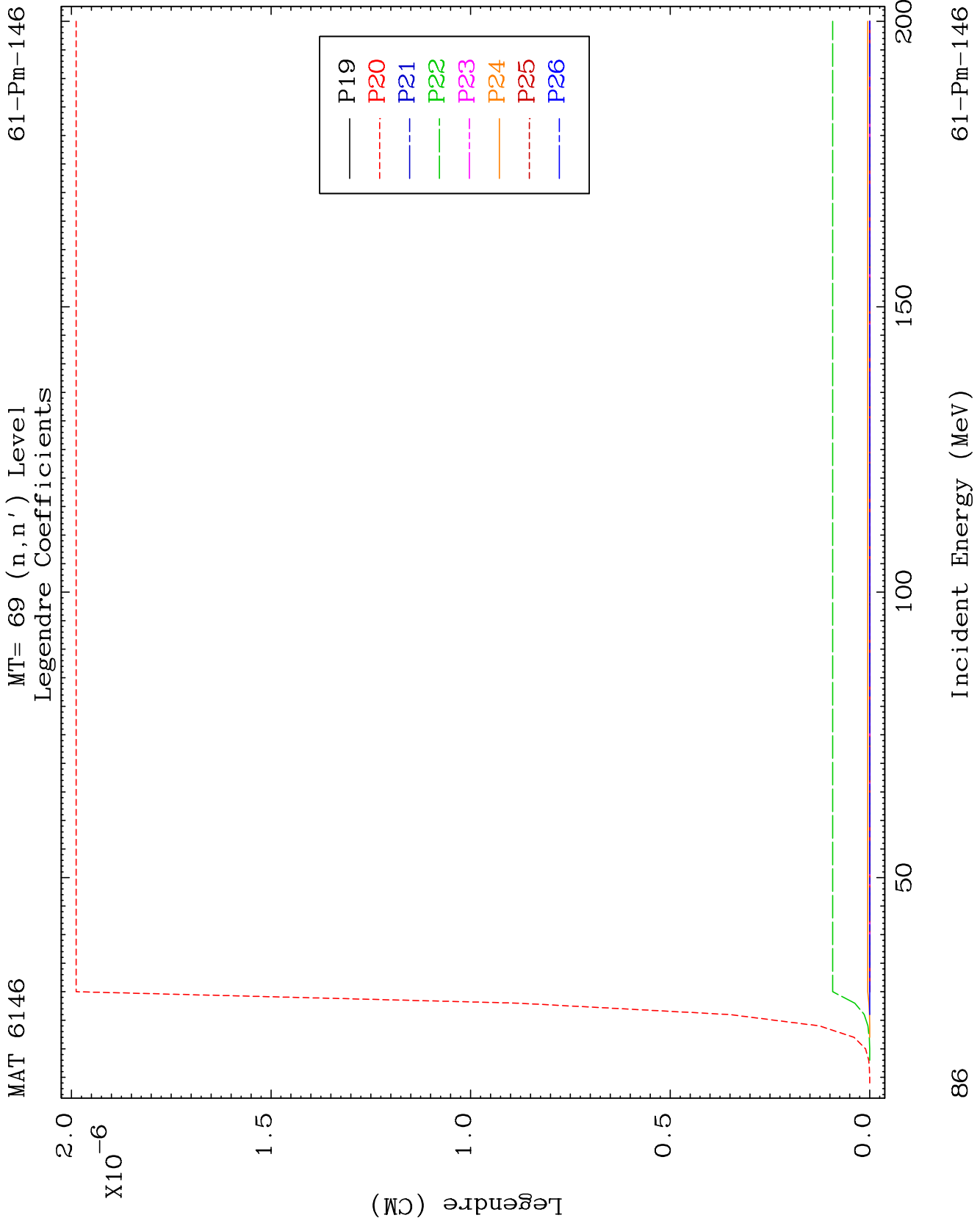
61-Pm-146



61-Pm-146

Incident Energy (MeV)

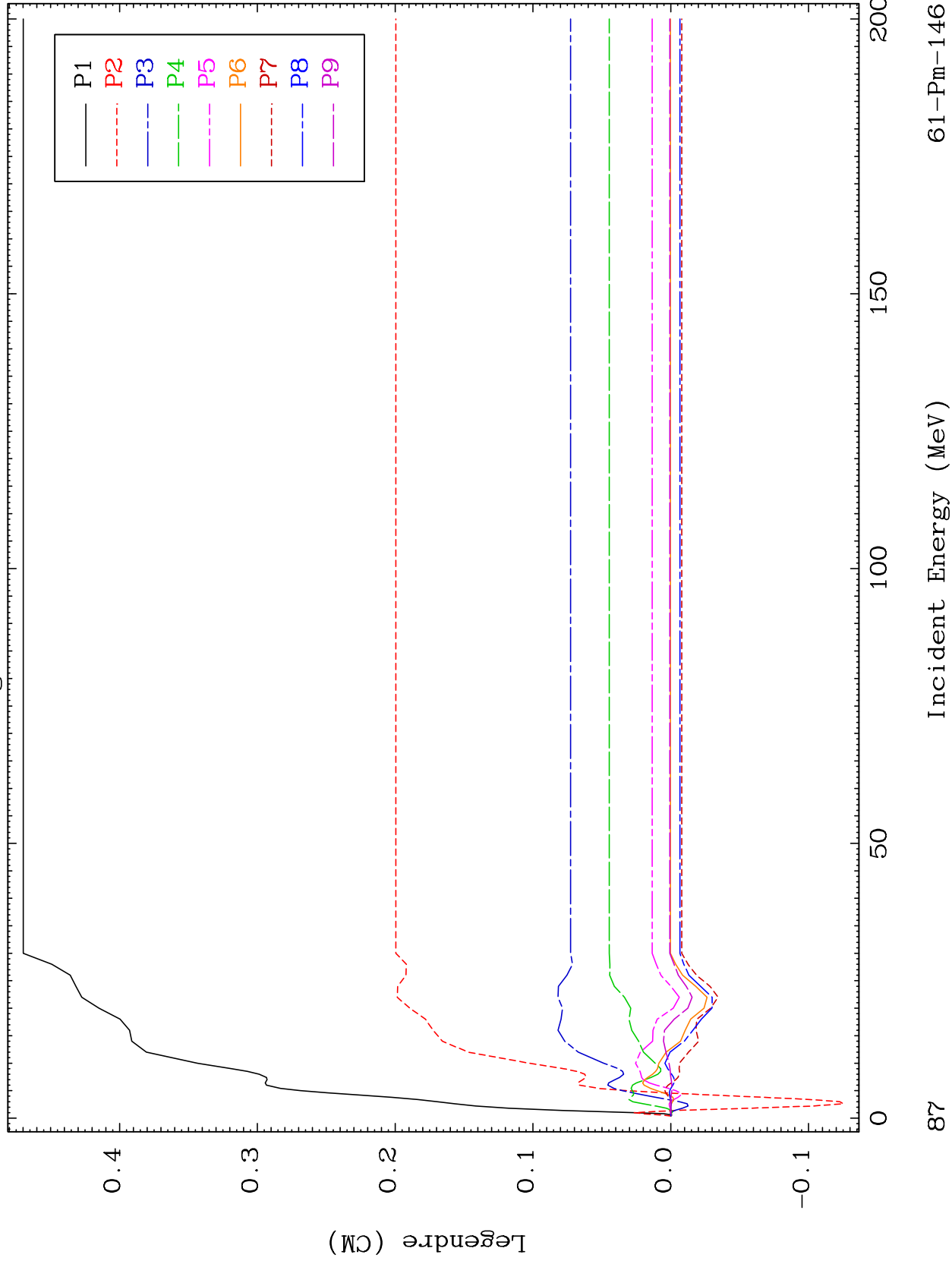
85



MAT 6146

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

61-Pm-146



61-Pm-146

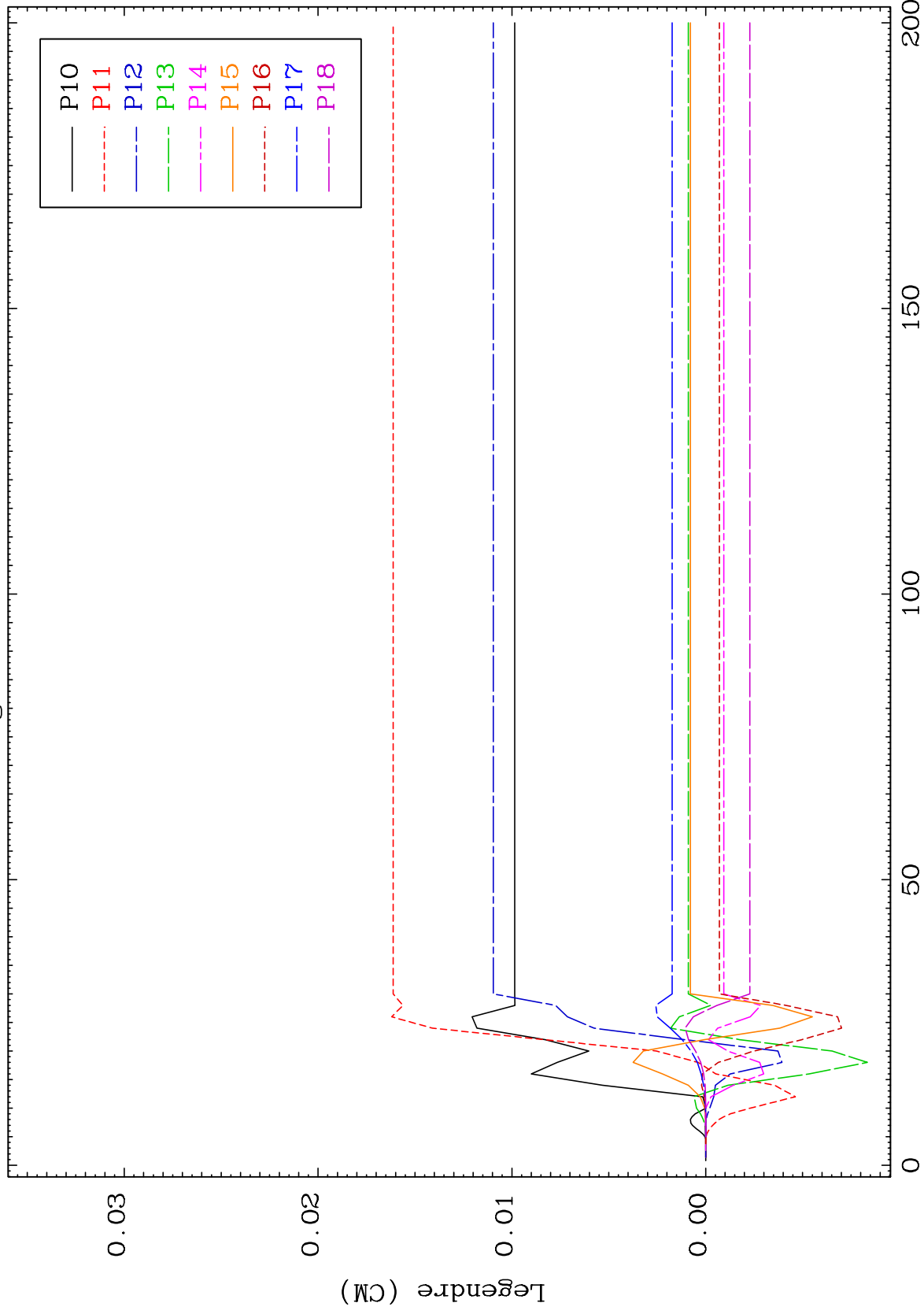
Incident Energy (MeV)

87

MAT 6146

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

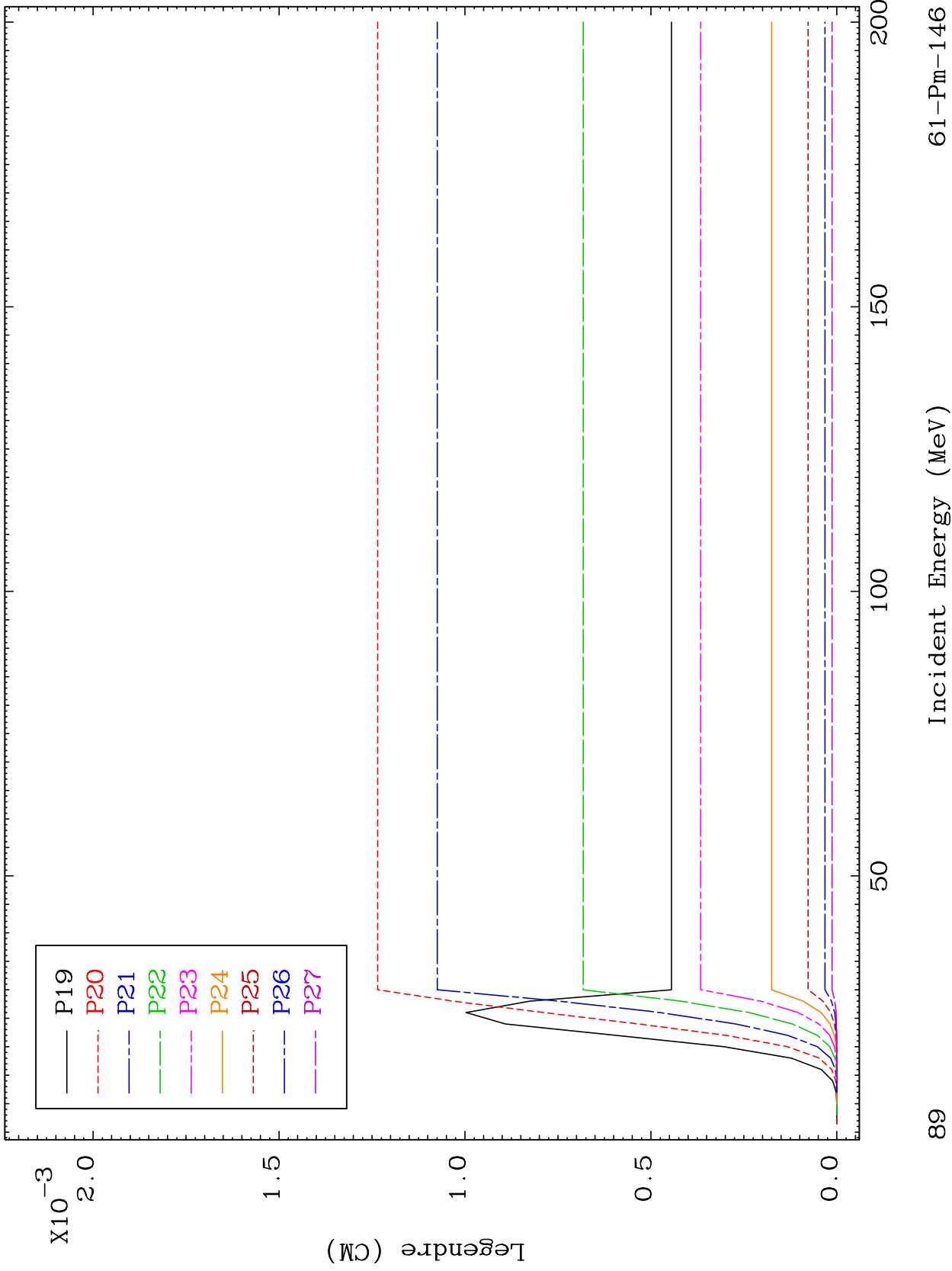
61-Pm-146



88

Incident Energy (MeV)

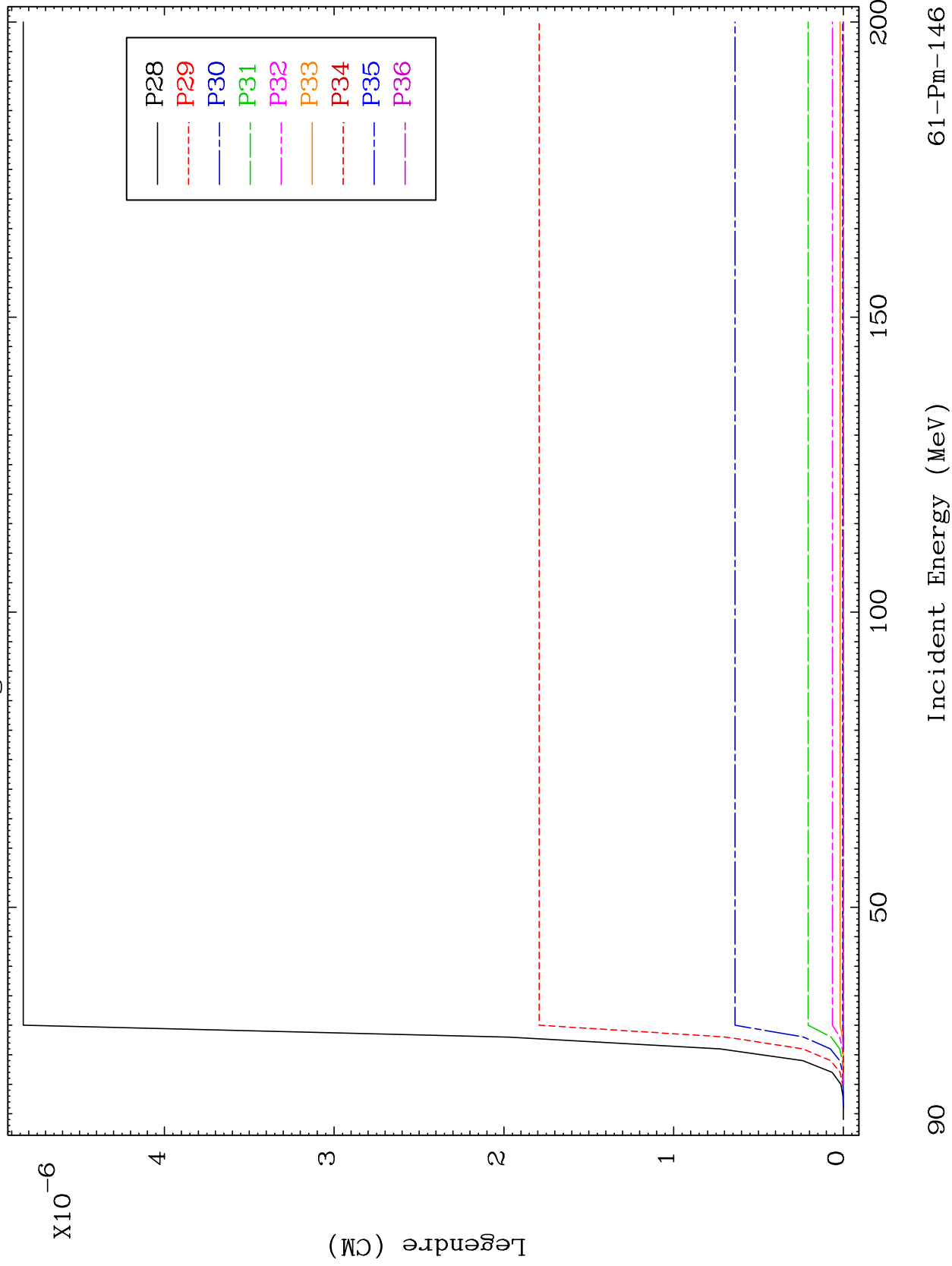
61-Pm-146



MAT 6146

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

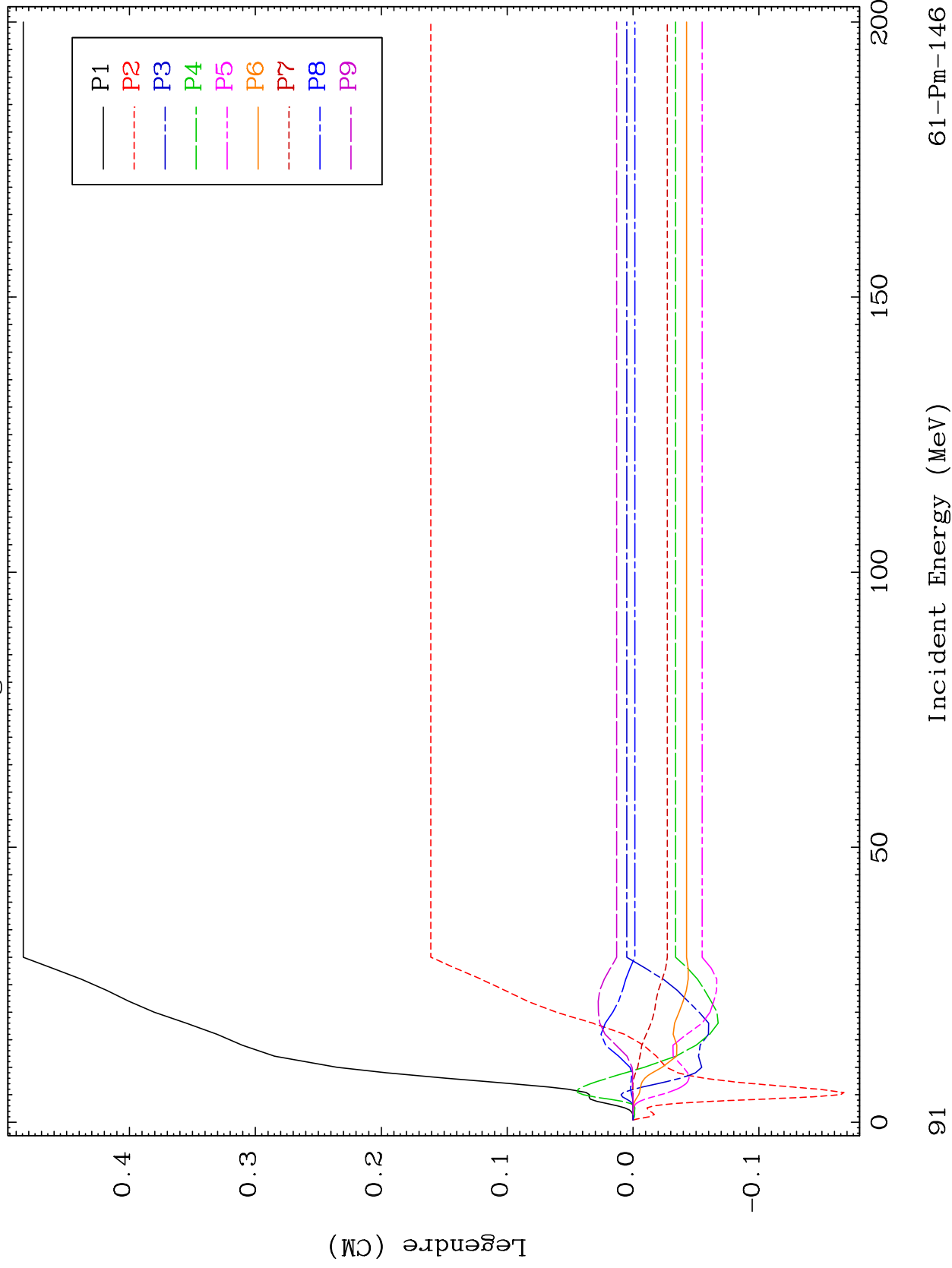
61-Pm-146



MAT 6146

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

61-Pm-146



61-Pm-146

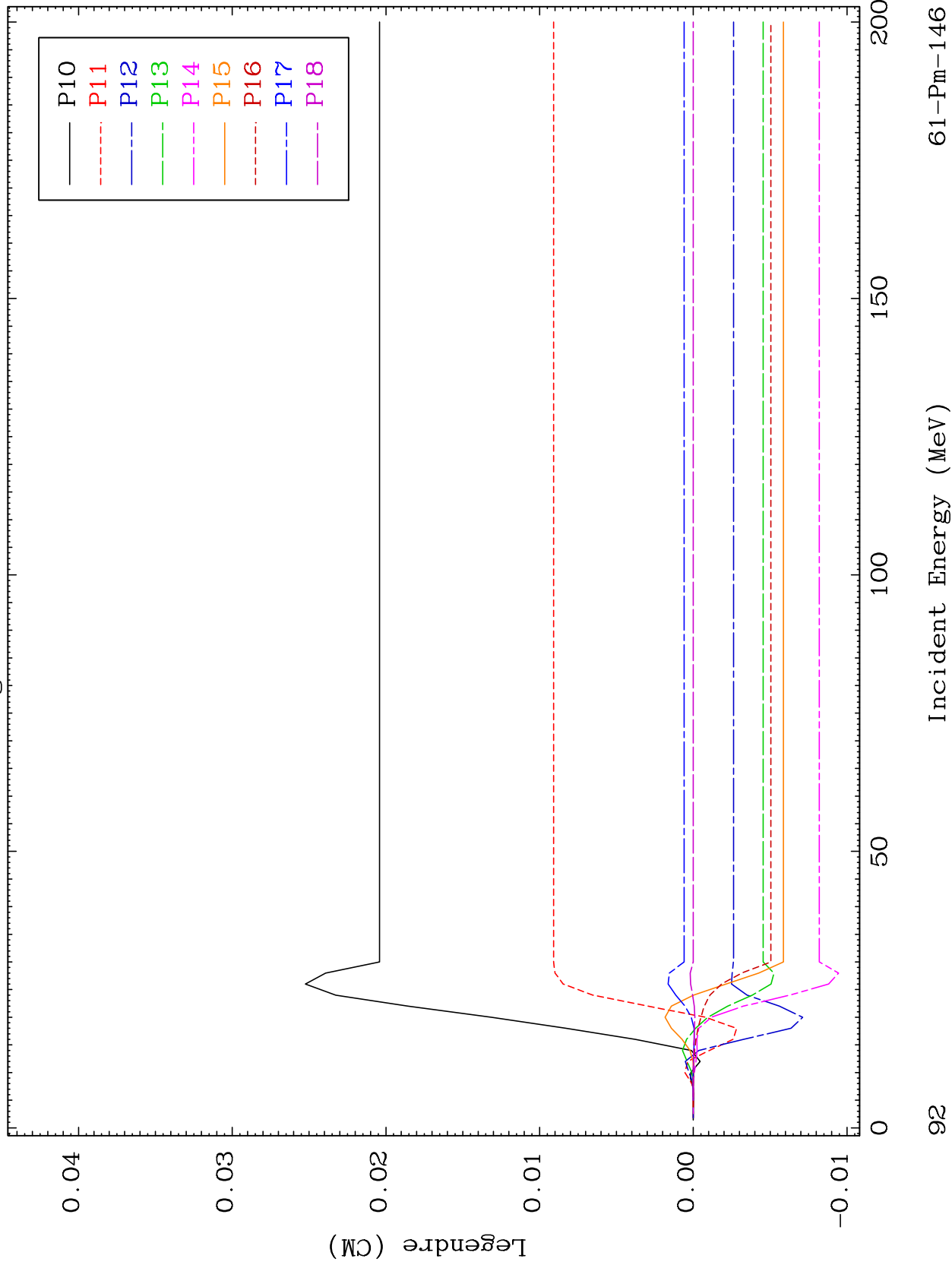
Incident Energy (MeV)

91

MAT 6146

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

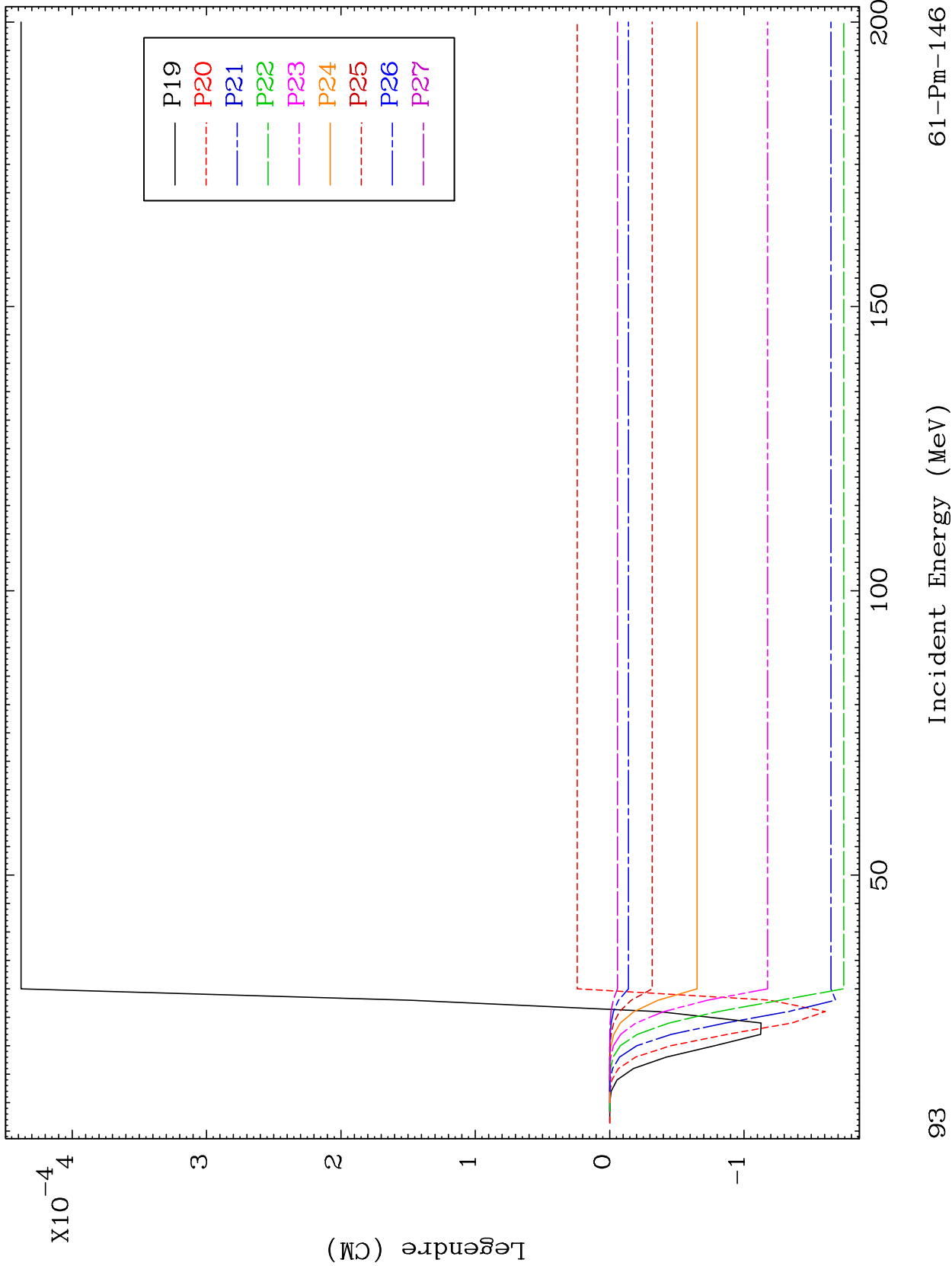
61-Pm-146



61-Pm-146

Incident Energy (MeV)

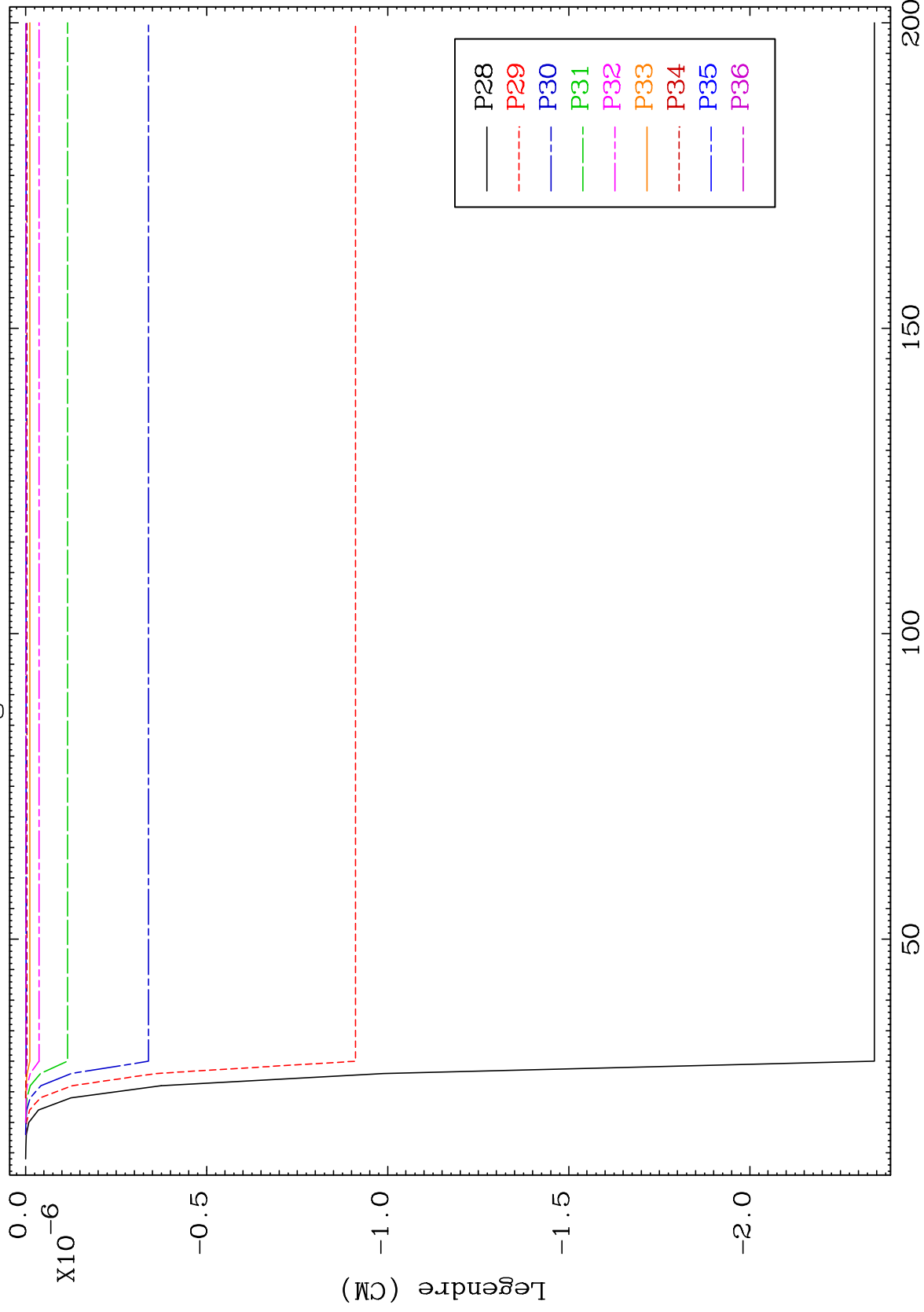
92



MAT 6146

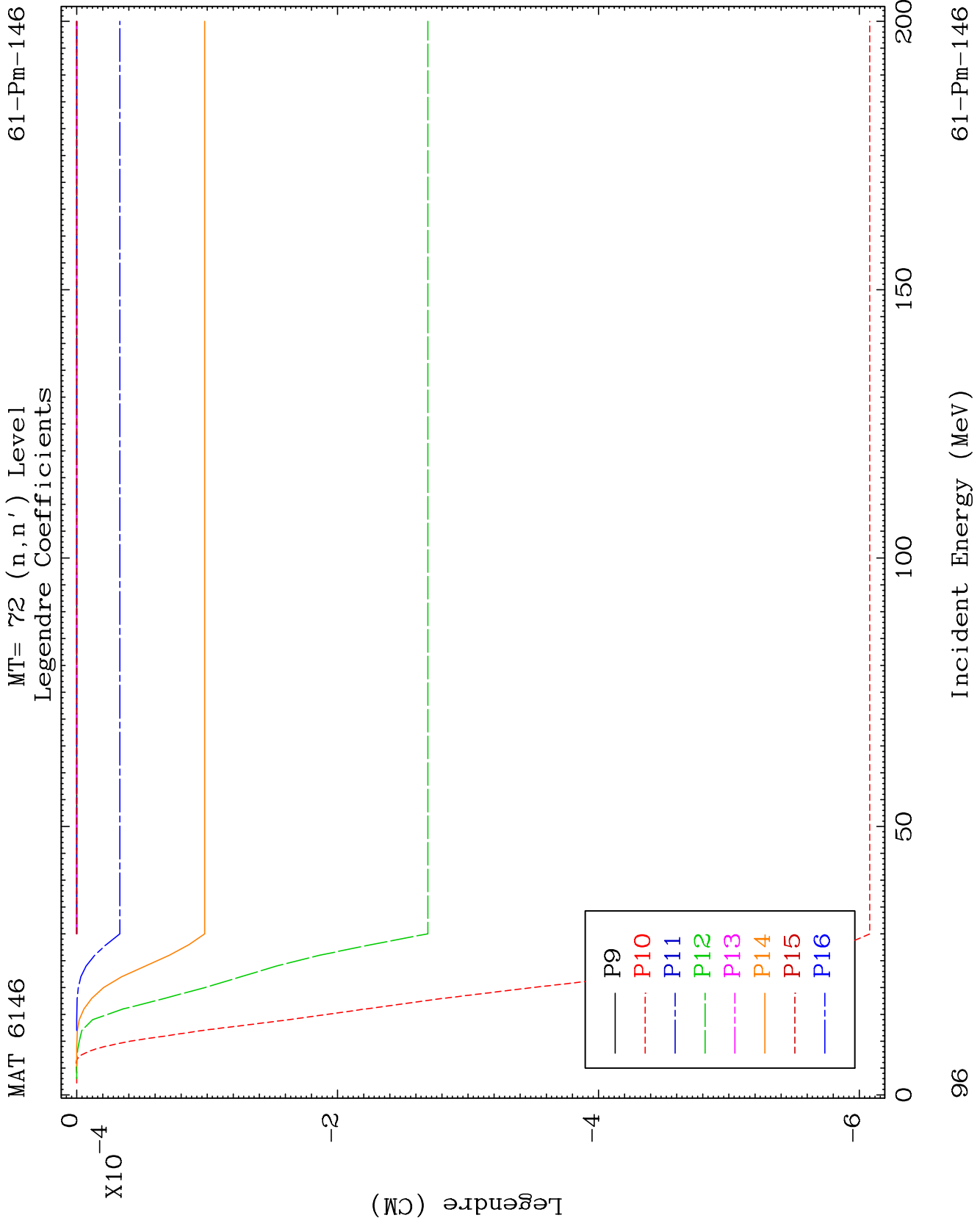
MT= 71 (n,n') Level
Legendre Coefficients

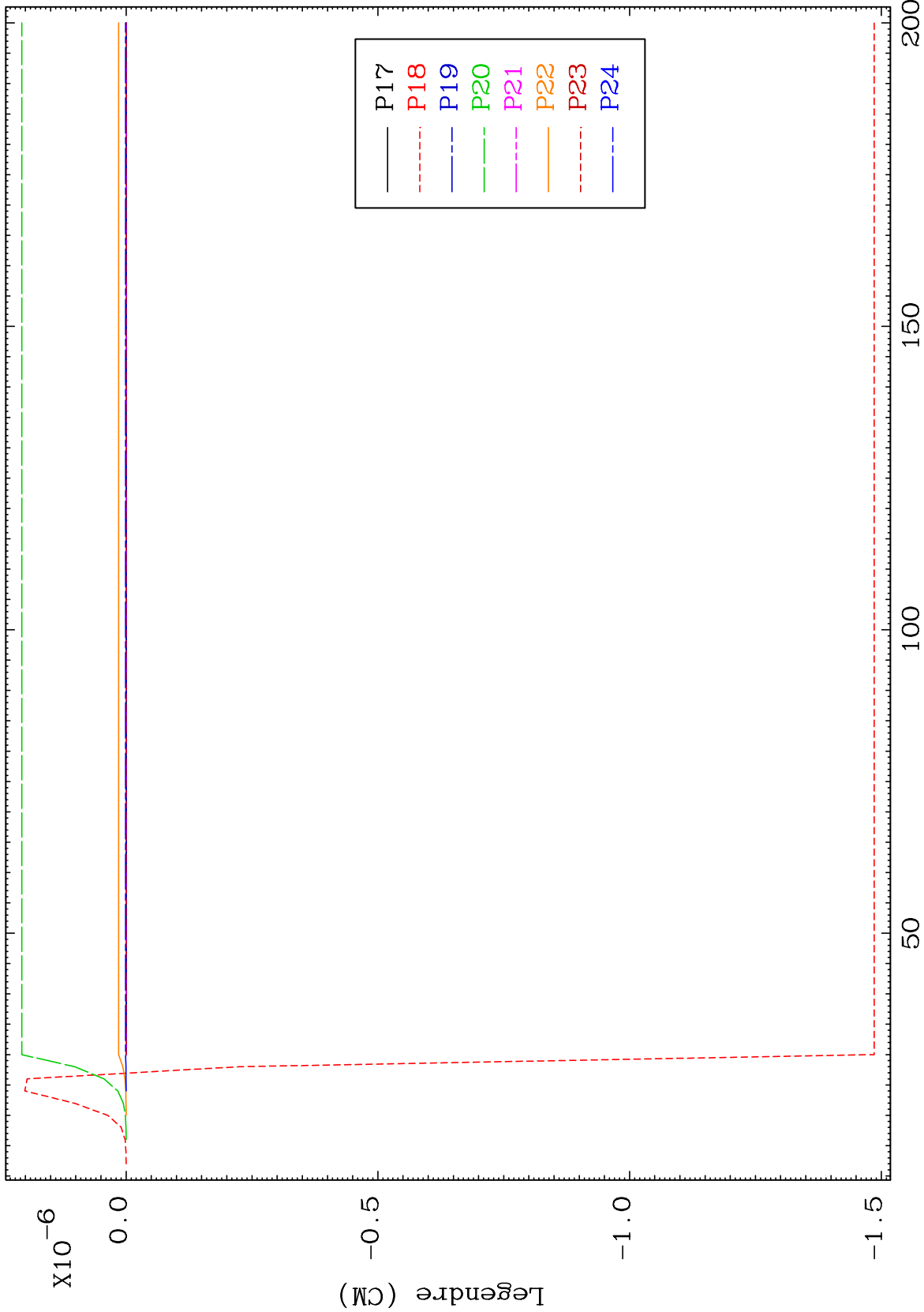
61-Pm-146



94

61-Pm-146

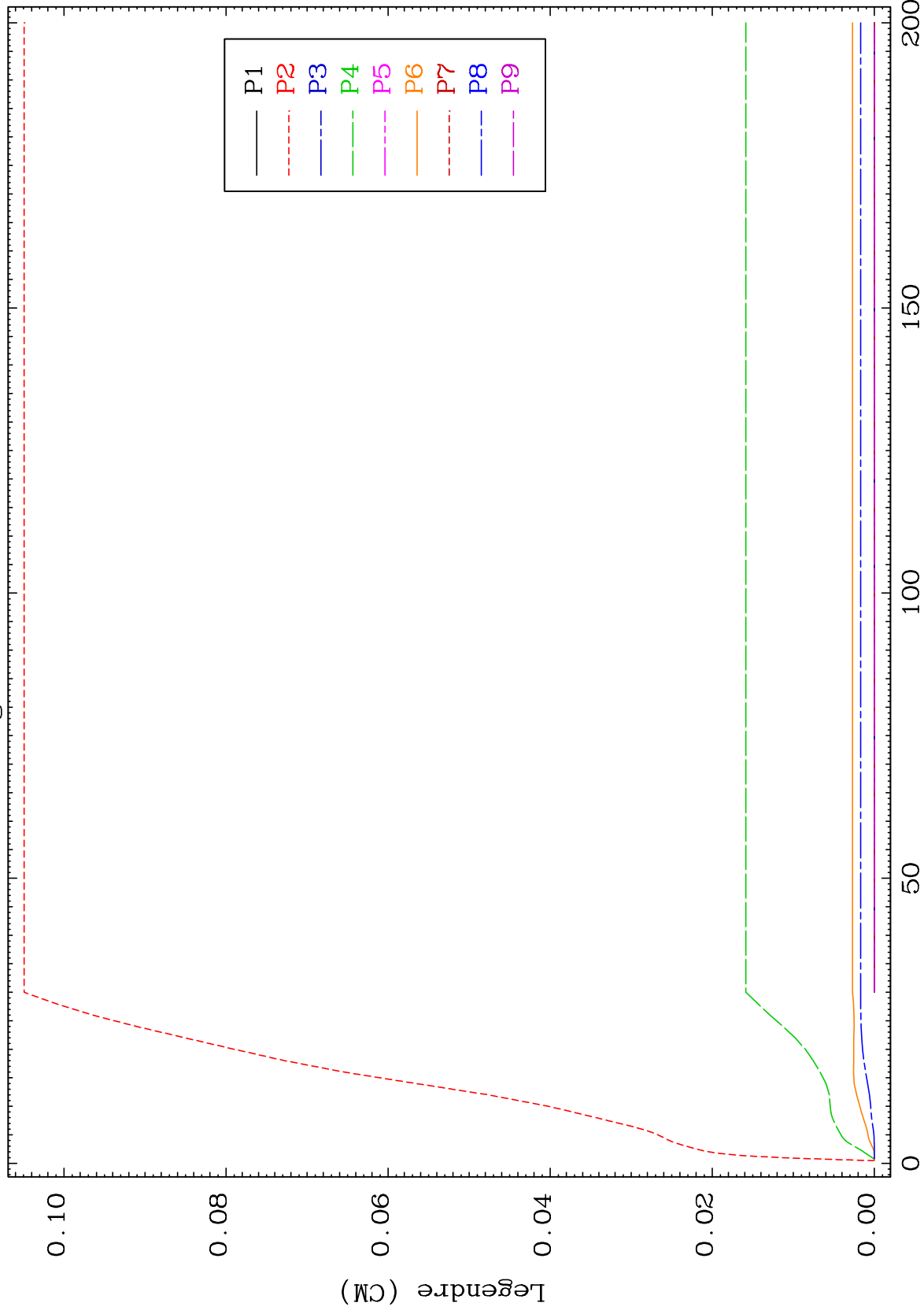




MAT 6146

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

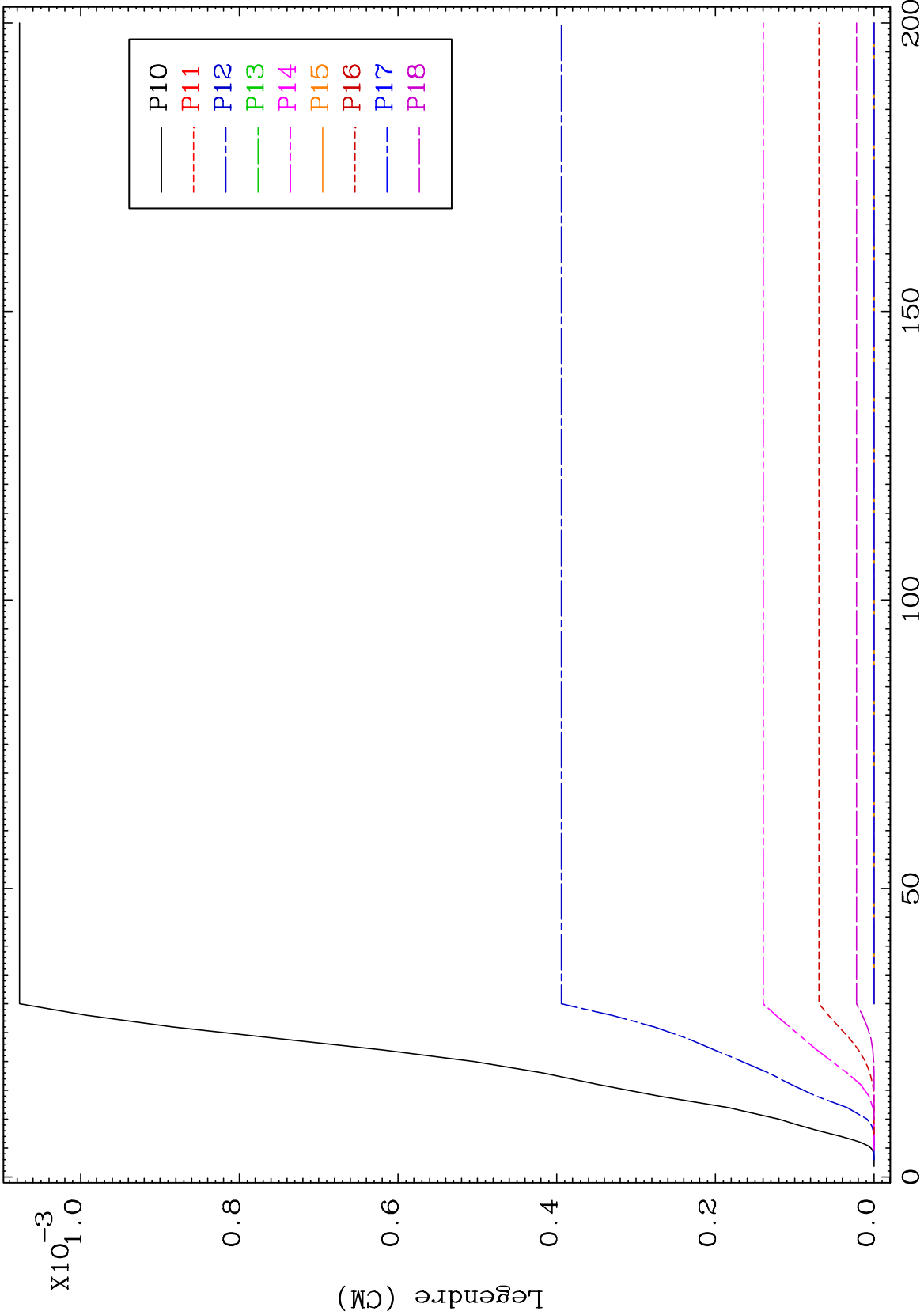
61-Pm-146



98

Incident Energy (MeV)

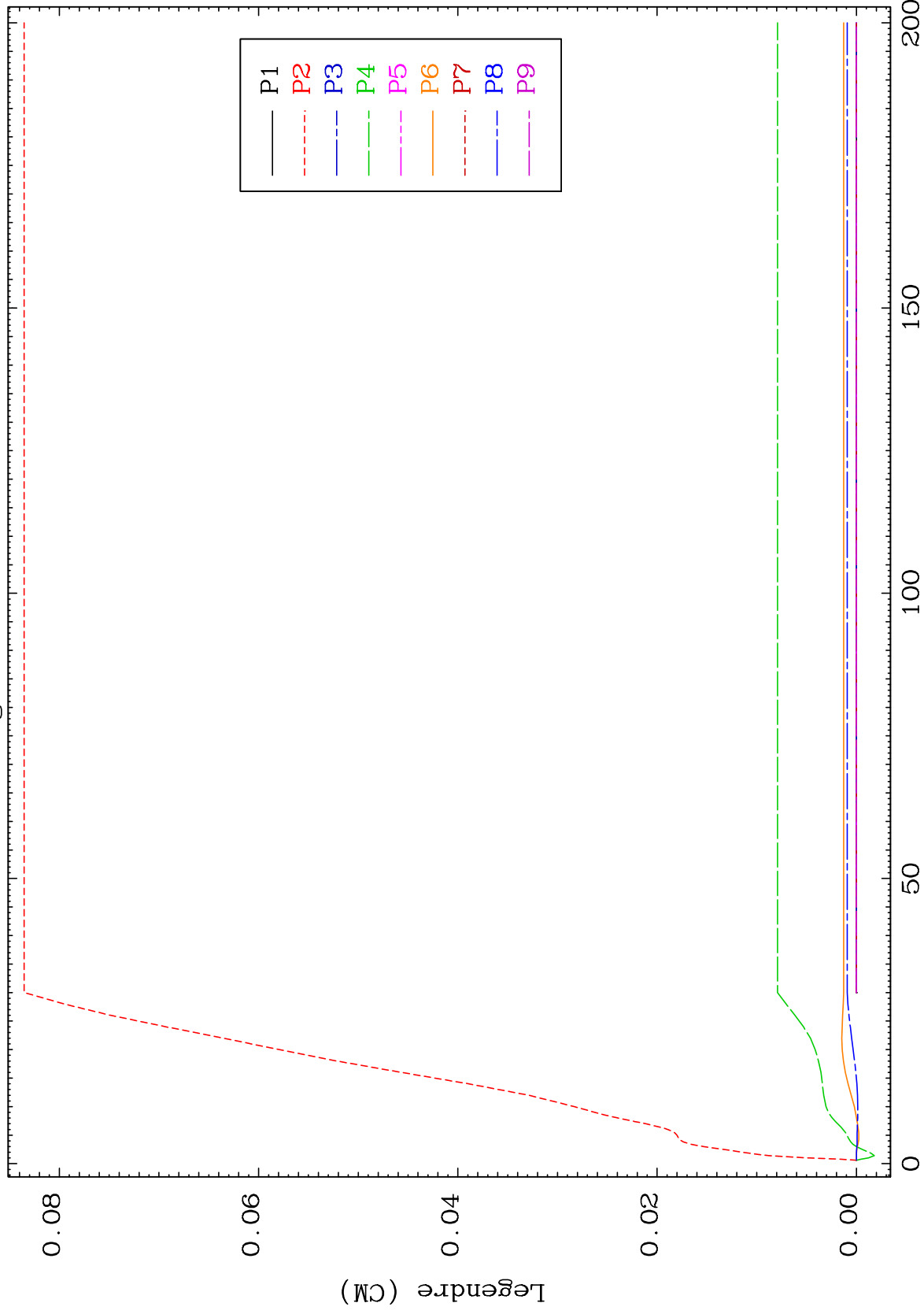
61-Pm-146



MAT 6146

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

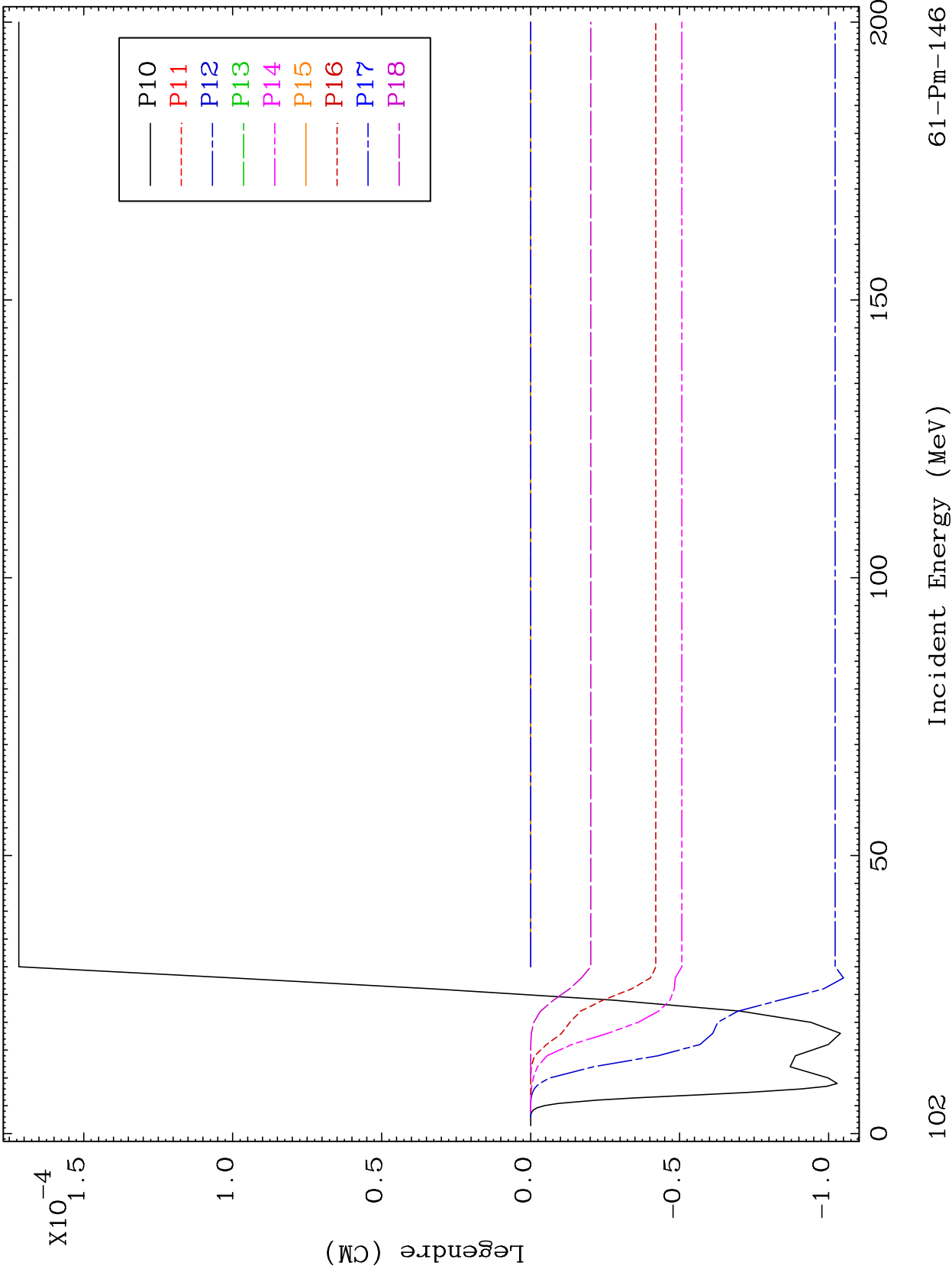
61-Pm-146

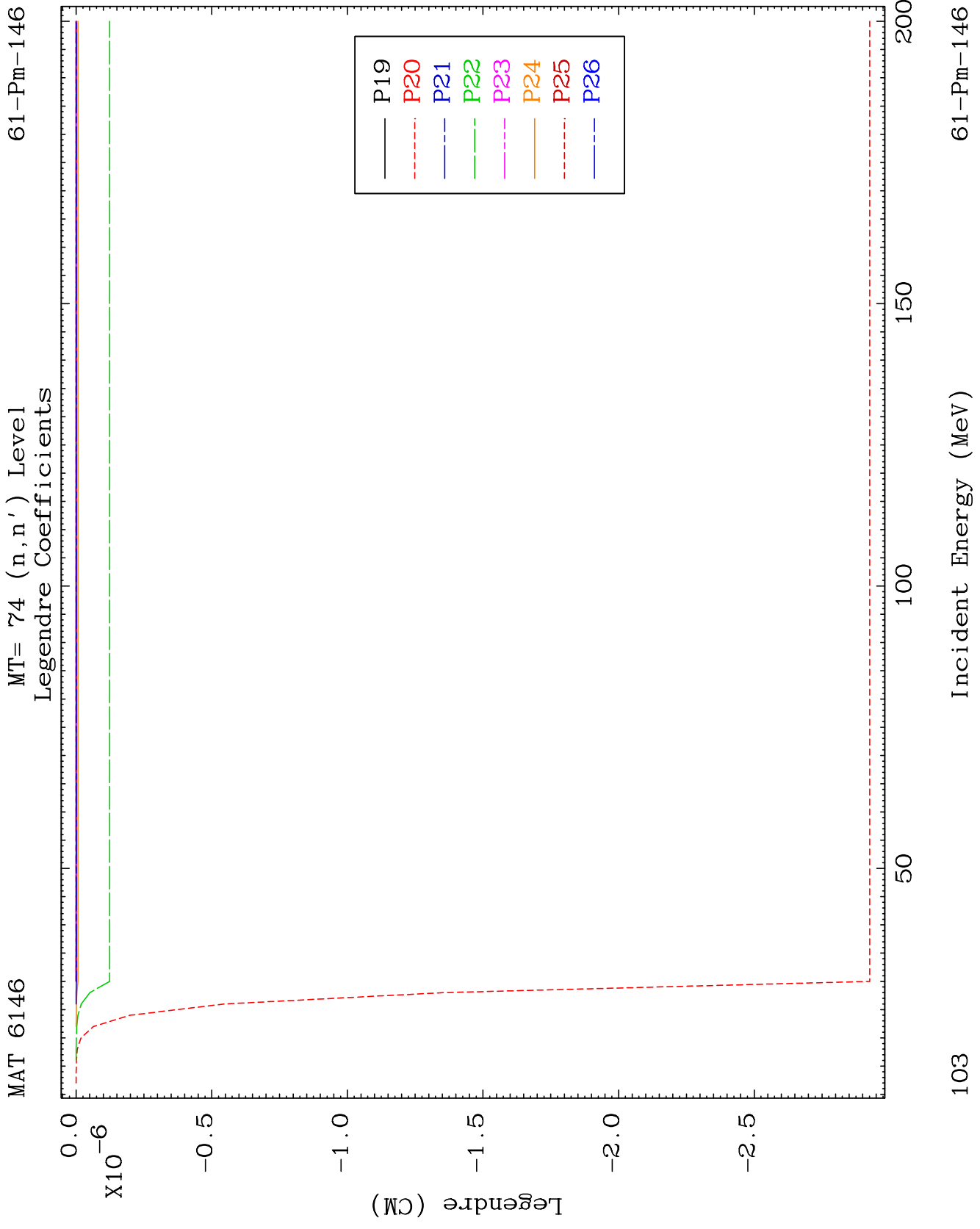


101

Incident Energy (MeV)

61-Pm-146

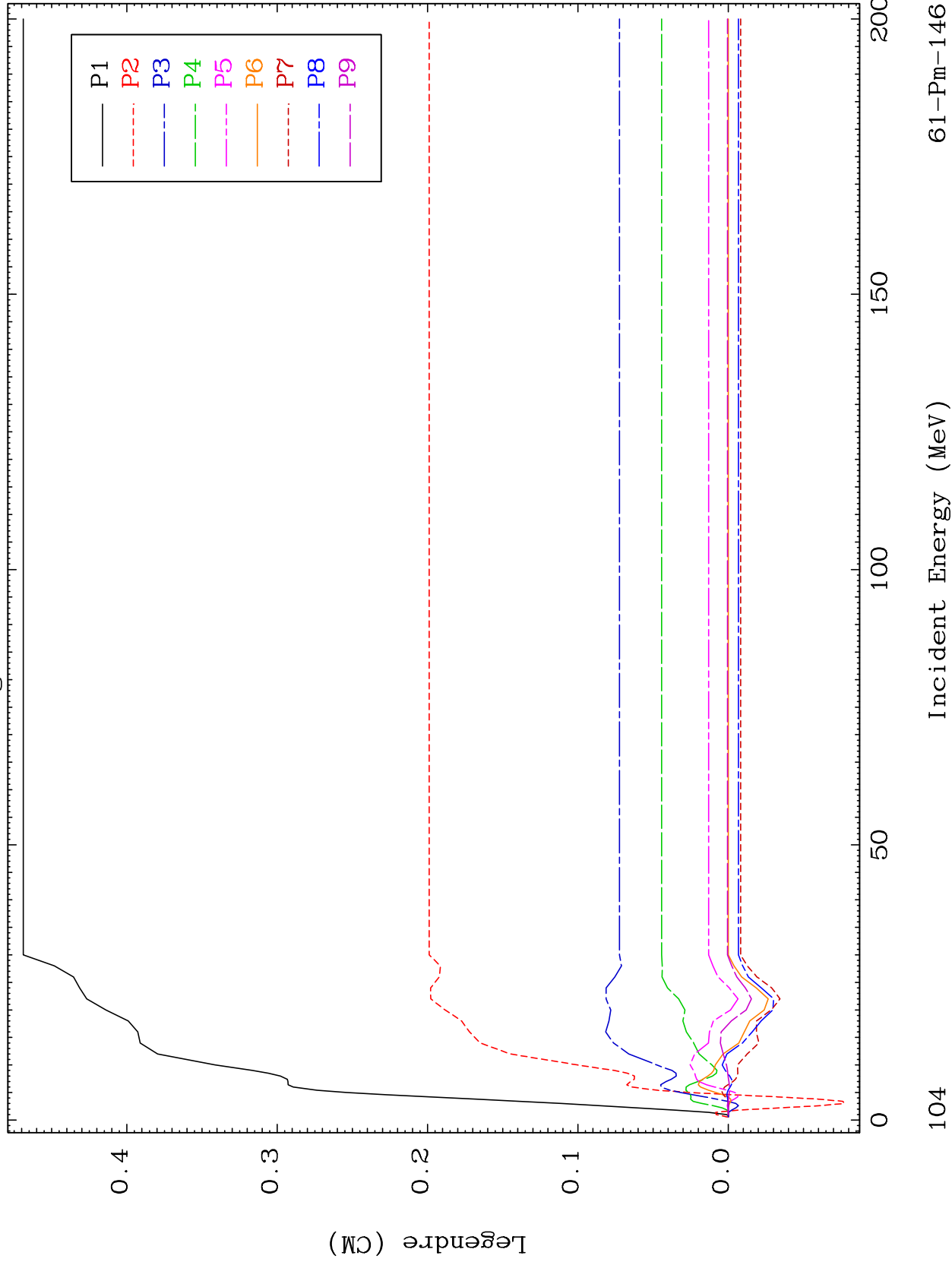




MAT 6146

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

61-Pm-146



61-Pm-146

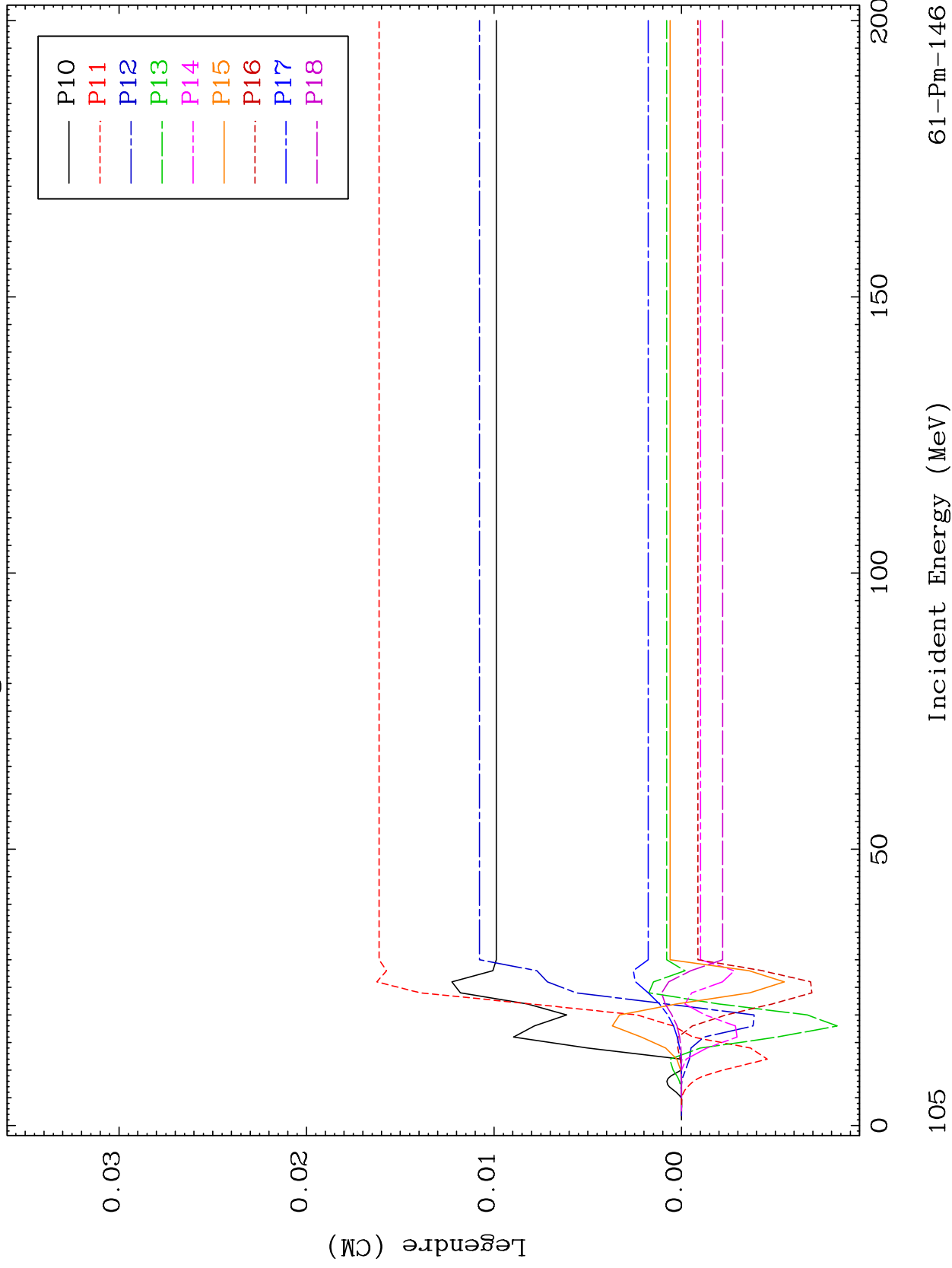
Incident Energy (MeV)

104

MAT 6146

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

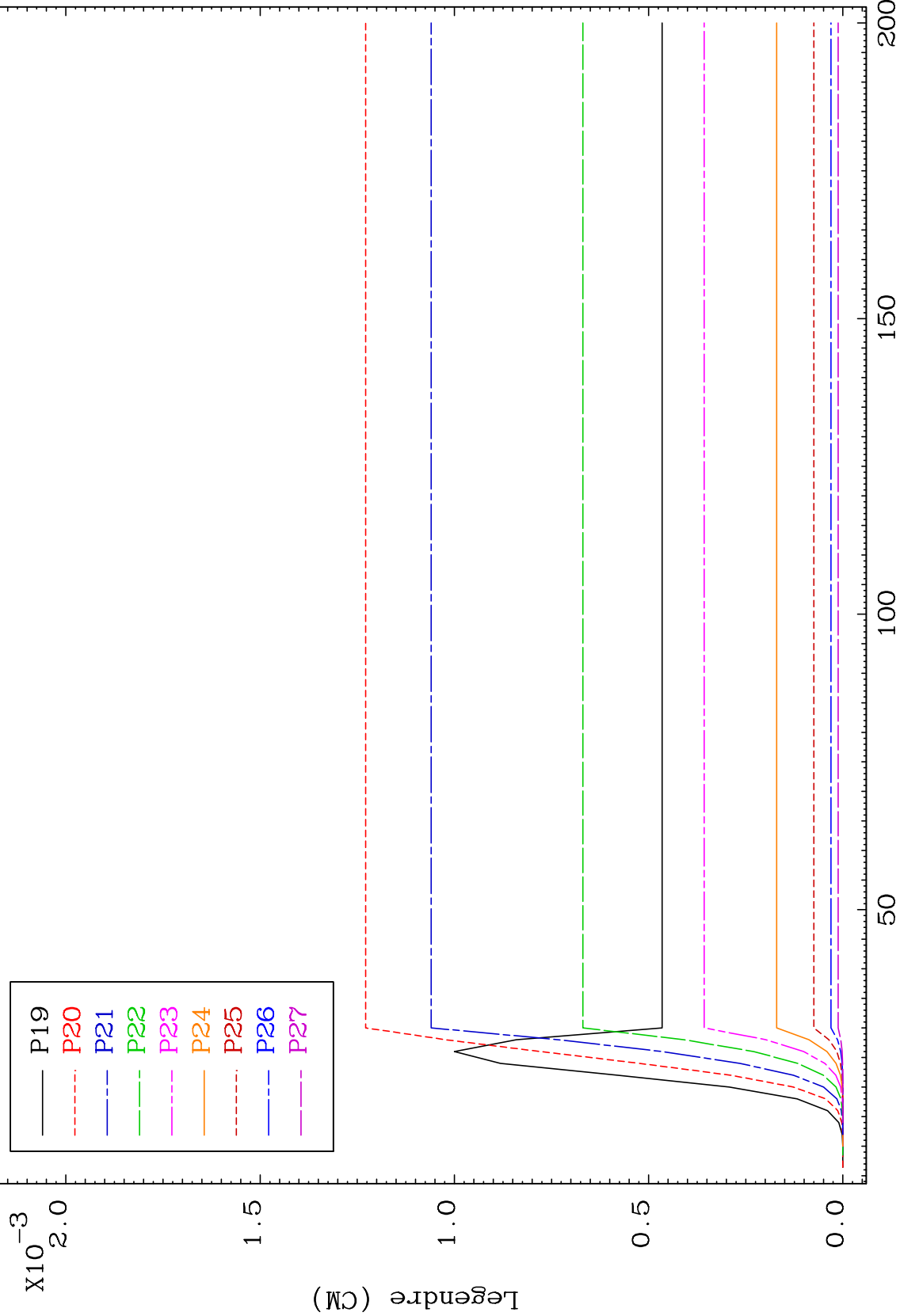
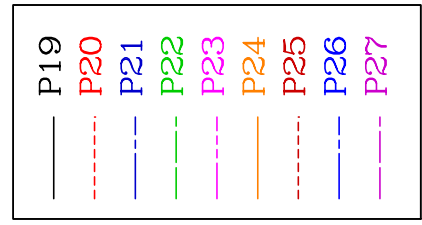
61-Pm-146



MAT 6146

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

61-Pm-146



106

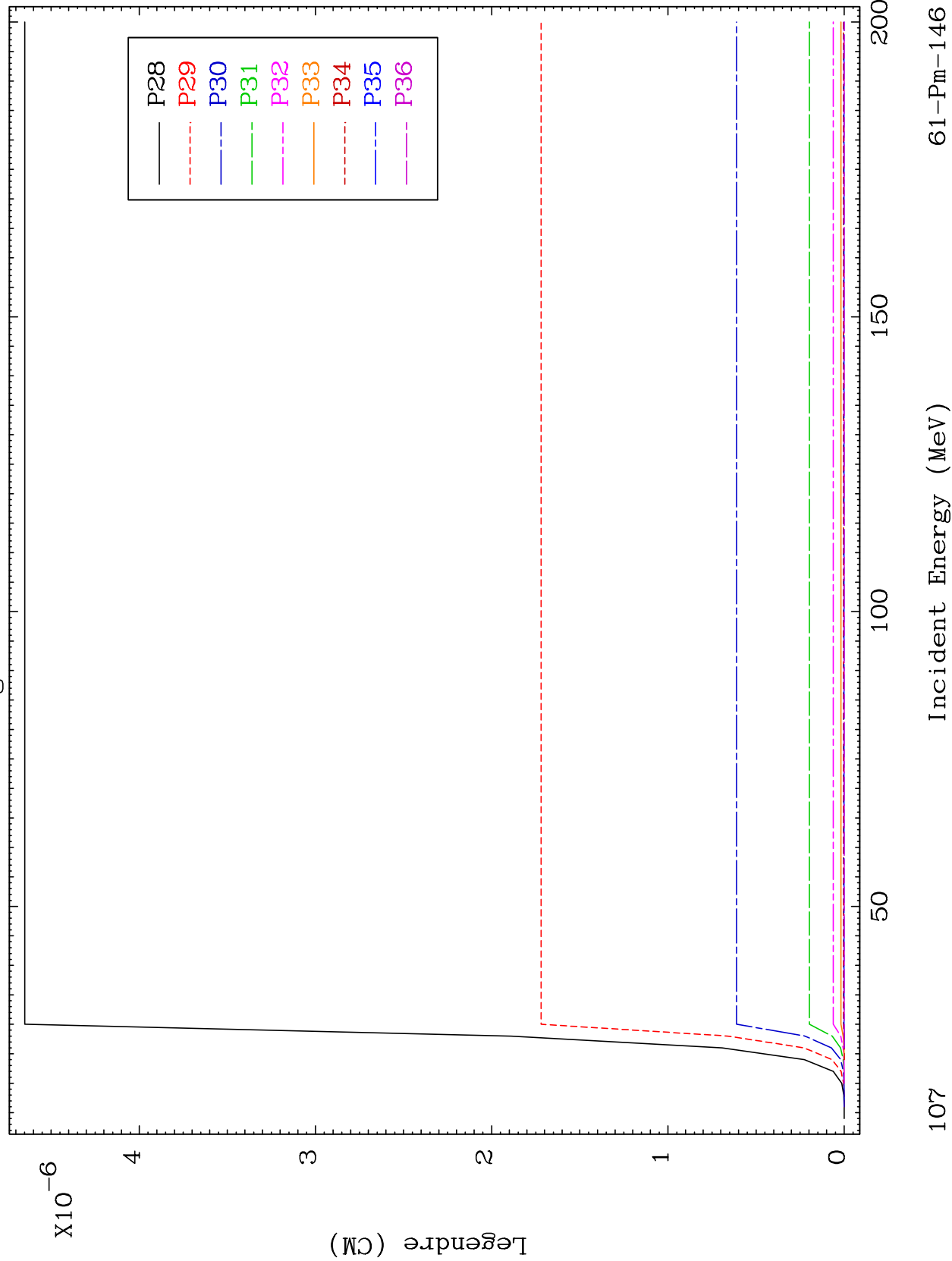
Incident Energy (MeV)

61-Pm-146

MAT 6146

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

61-Pm-146

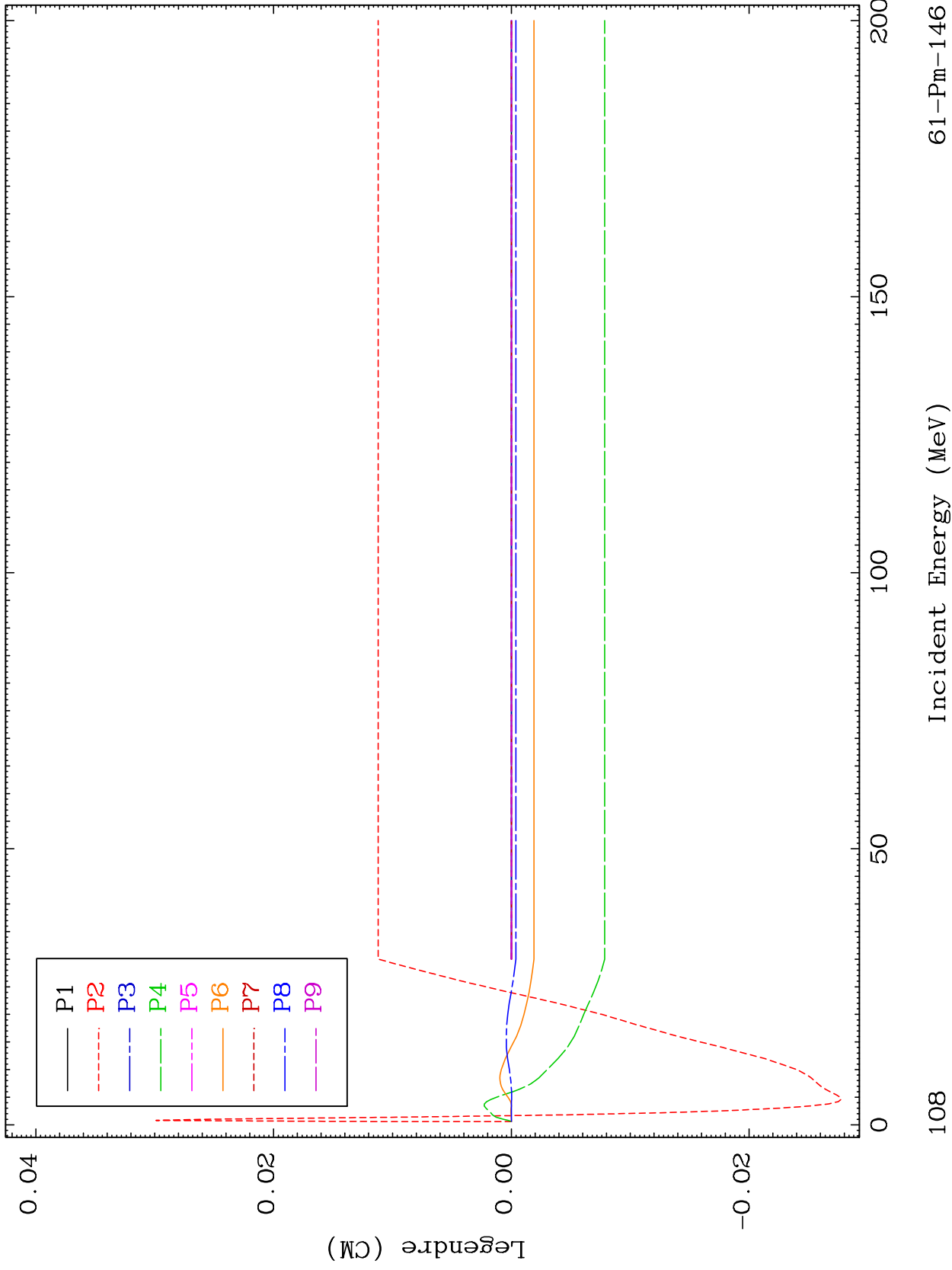


107

MAT 6146

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

61-Pm-146



61-Pm-146

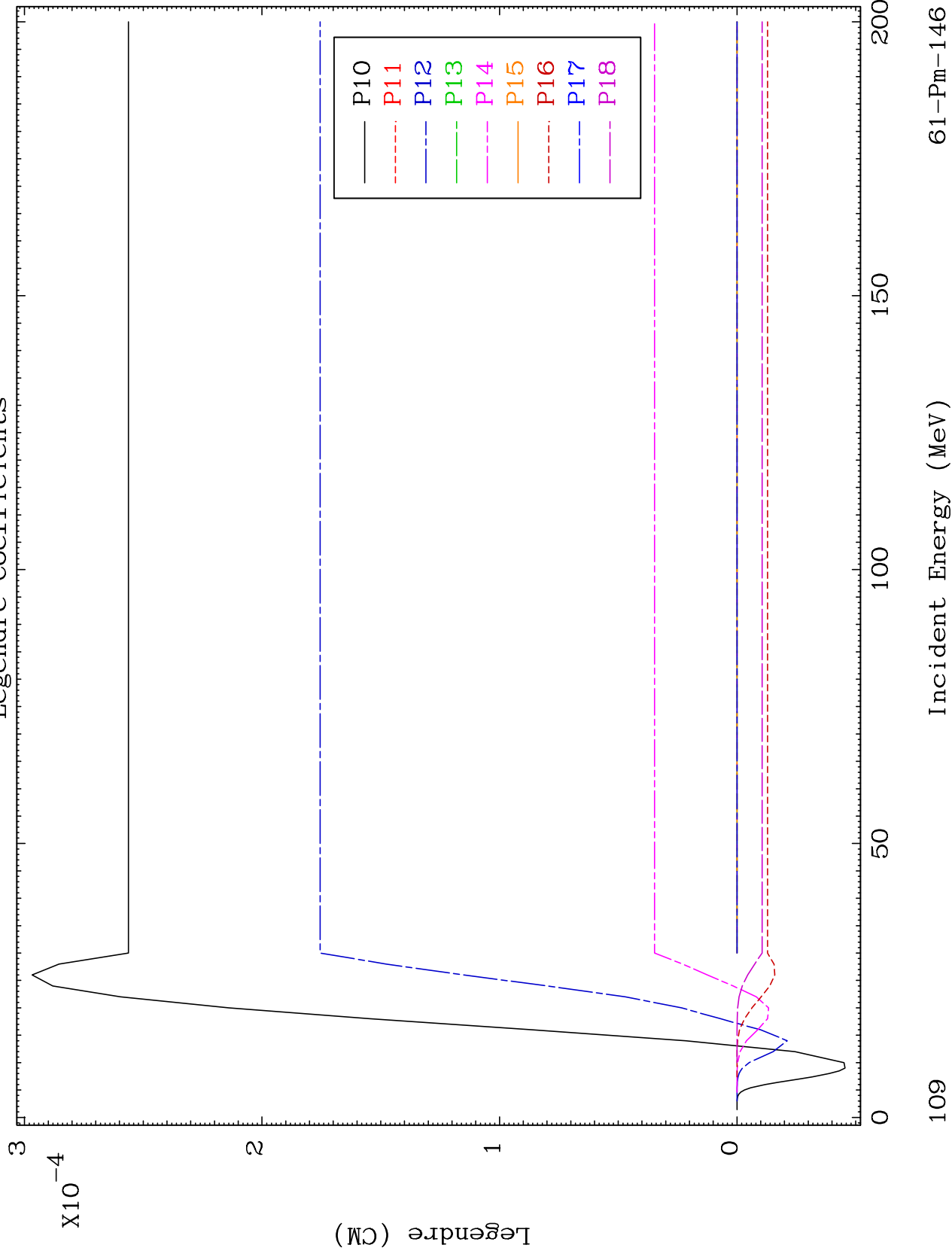
Incident Energy (MeV)

108

MAT 6146

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

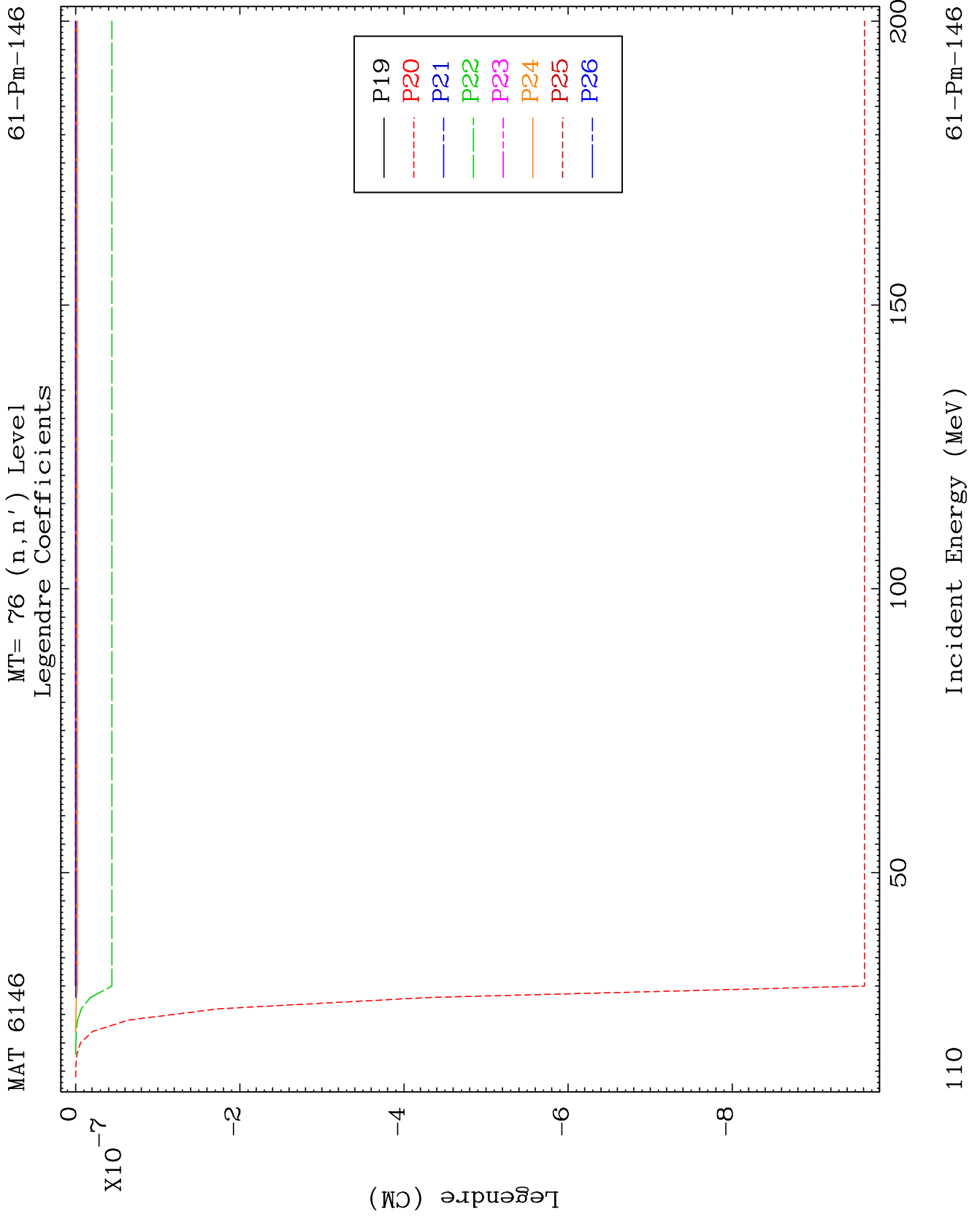
61-Pm-146



109

61-Pm-146

61-Pm-146

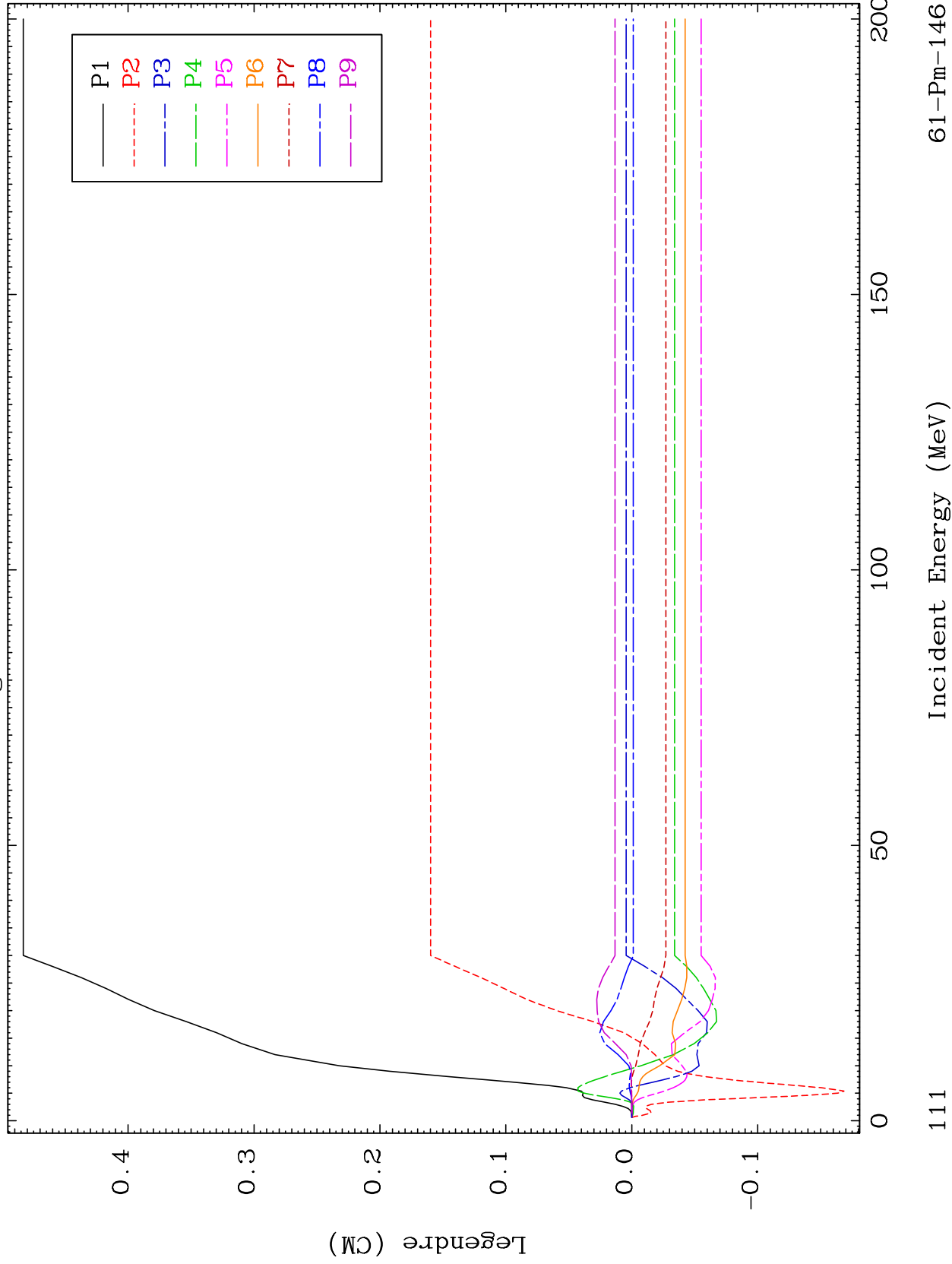


MAT 6146

MT= 77 (n,n') Level

61-Pm-146

Legendre Coefficients



61-Pm-146

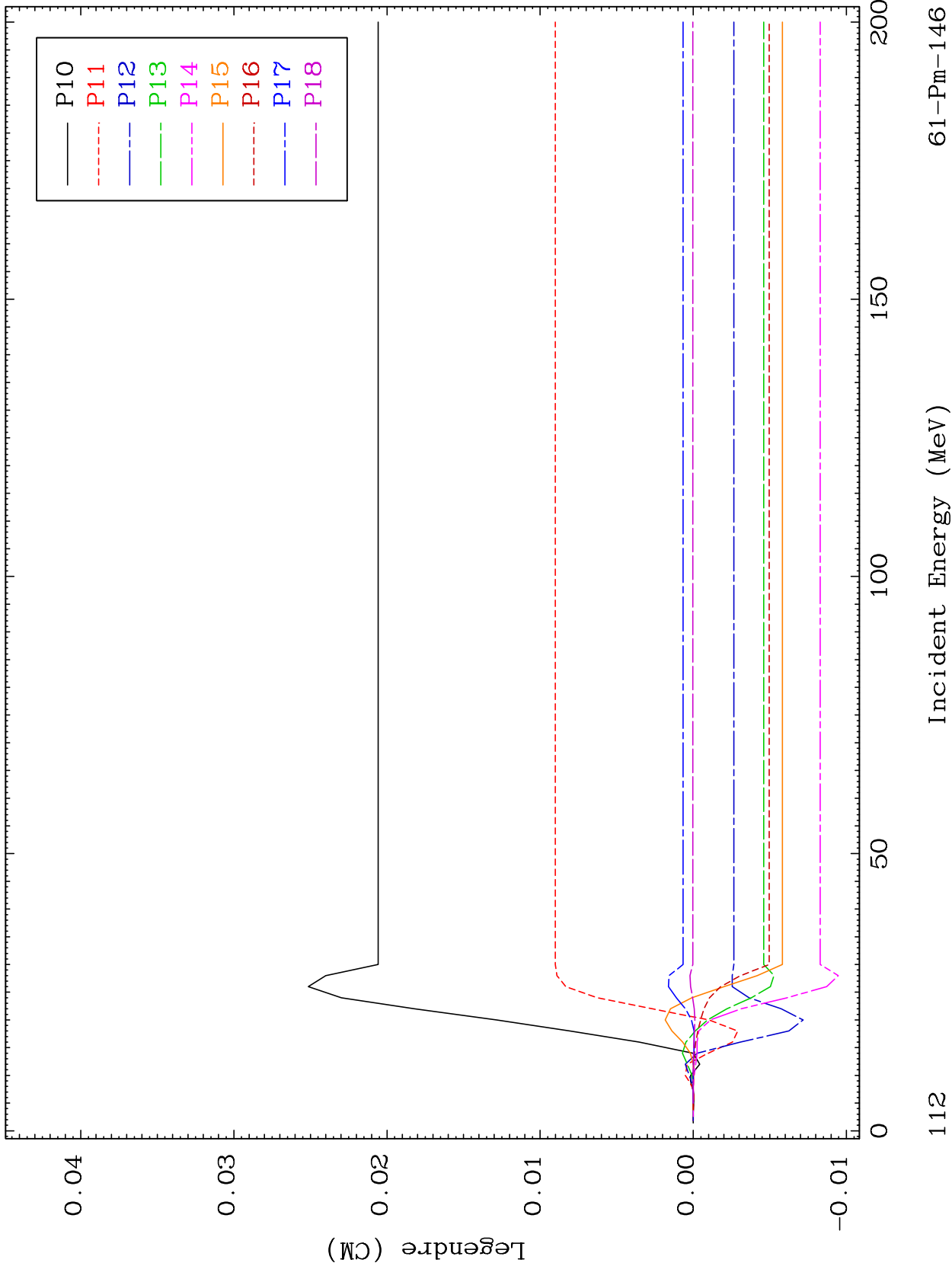
Incident Energy (MeV)

111

MAT 6146

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

61-Pm-146

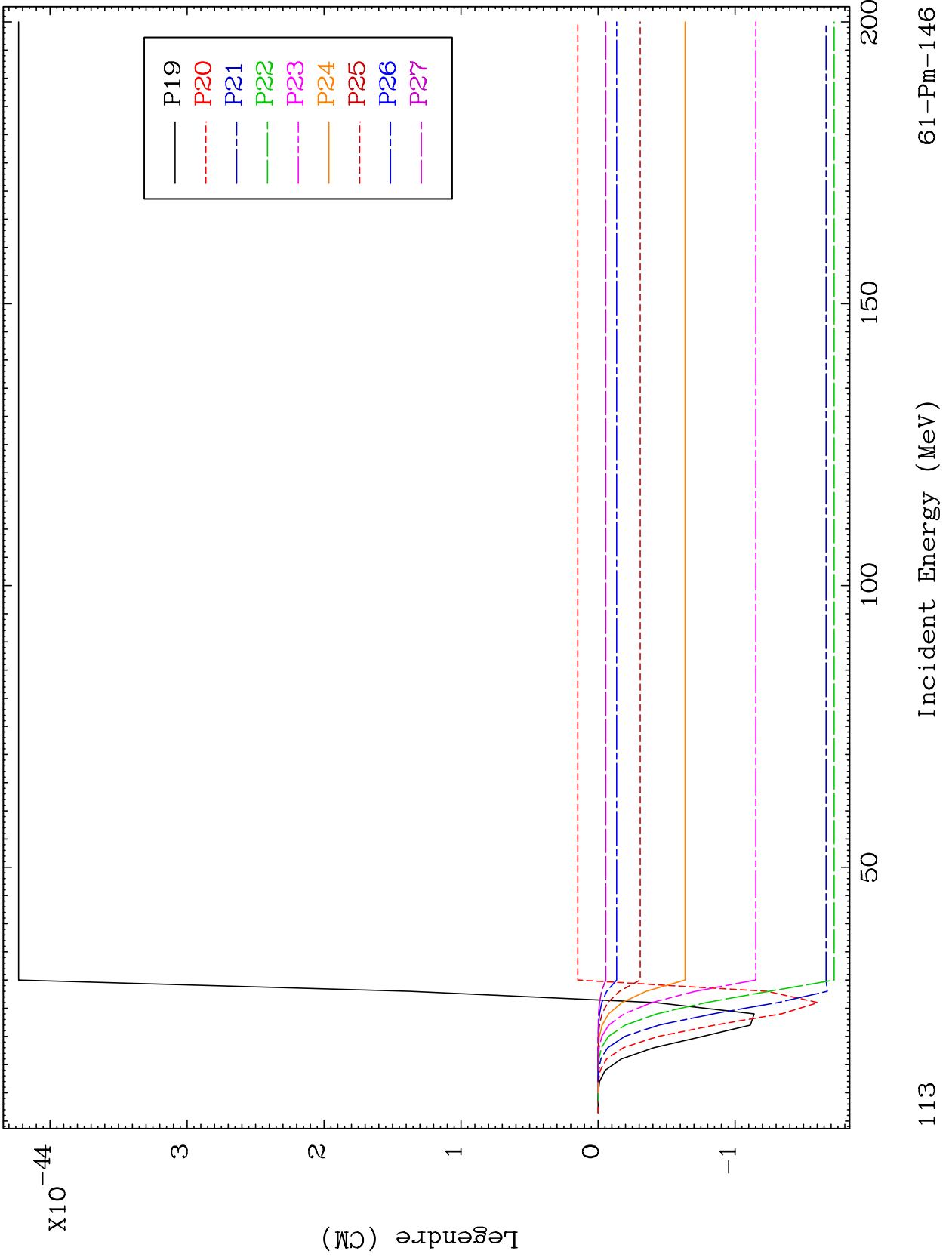


112

MAT 6146

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

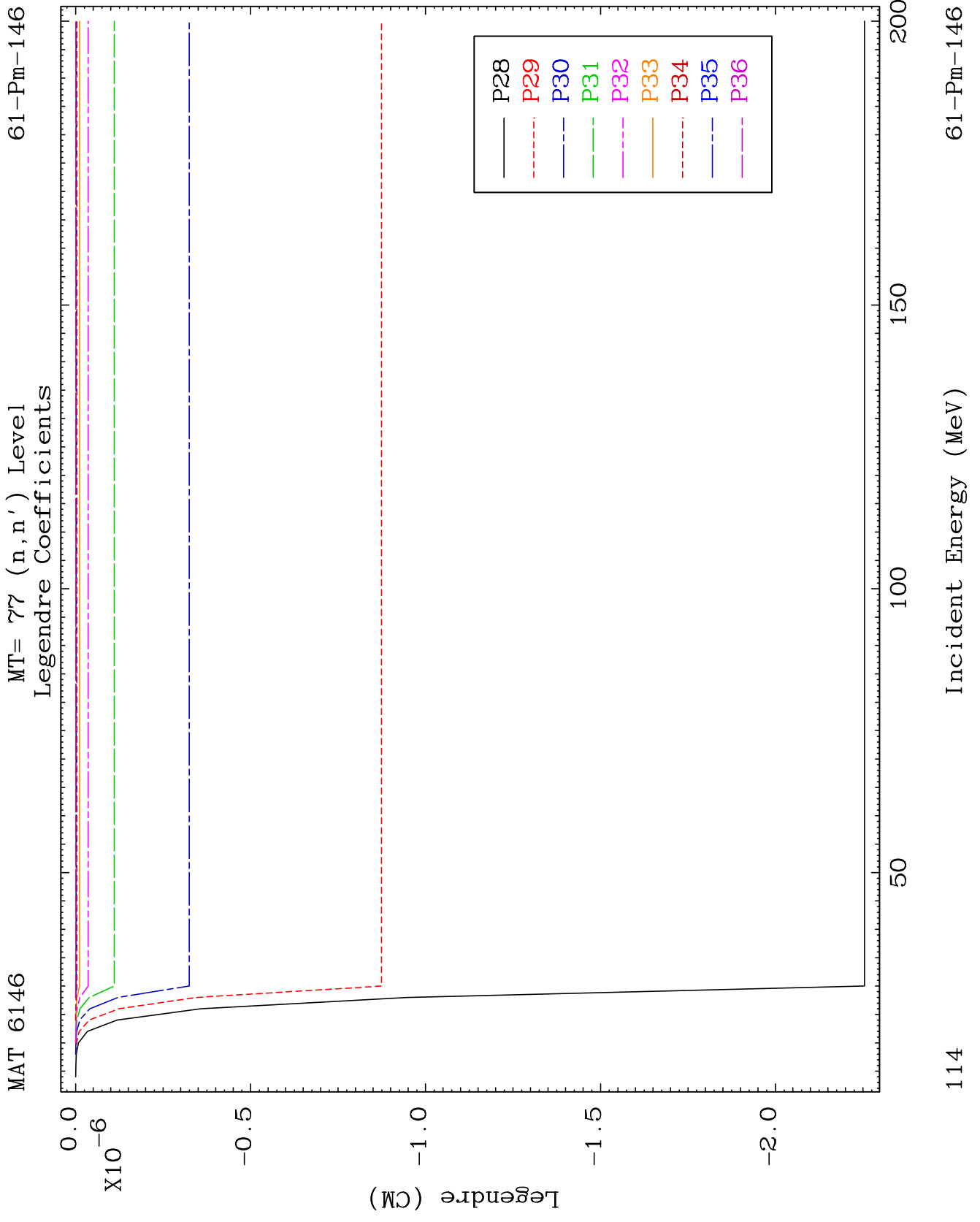
61-Pm-146



113

Incident Energy (MeV)

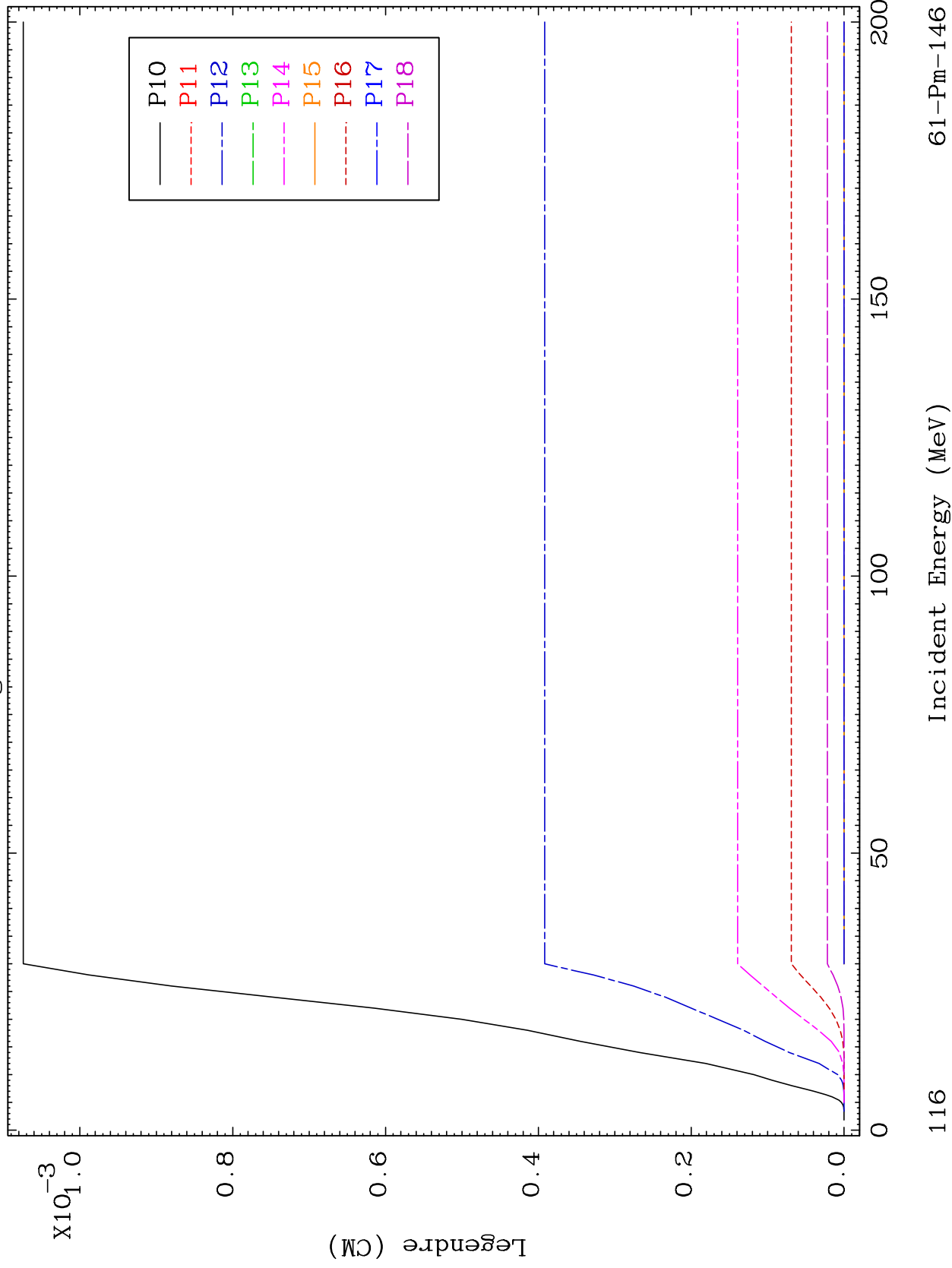
61-Pm-146



MAT 6146

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

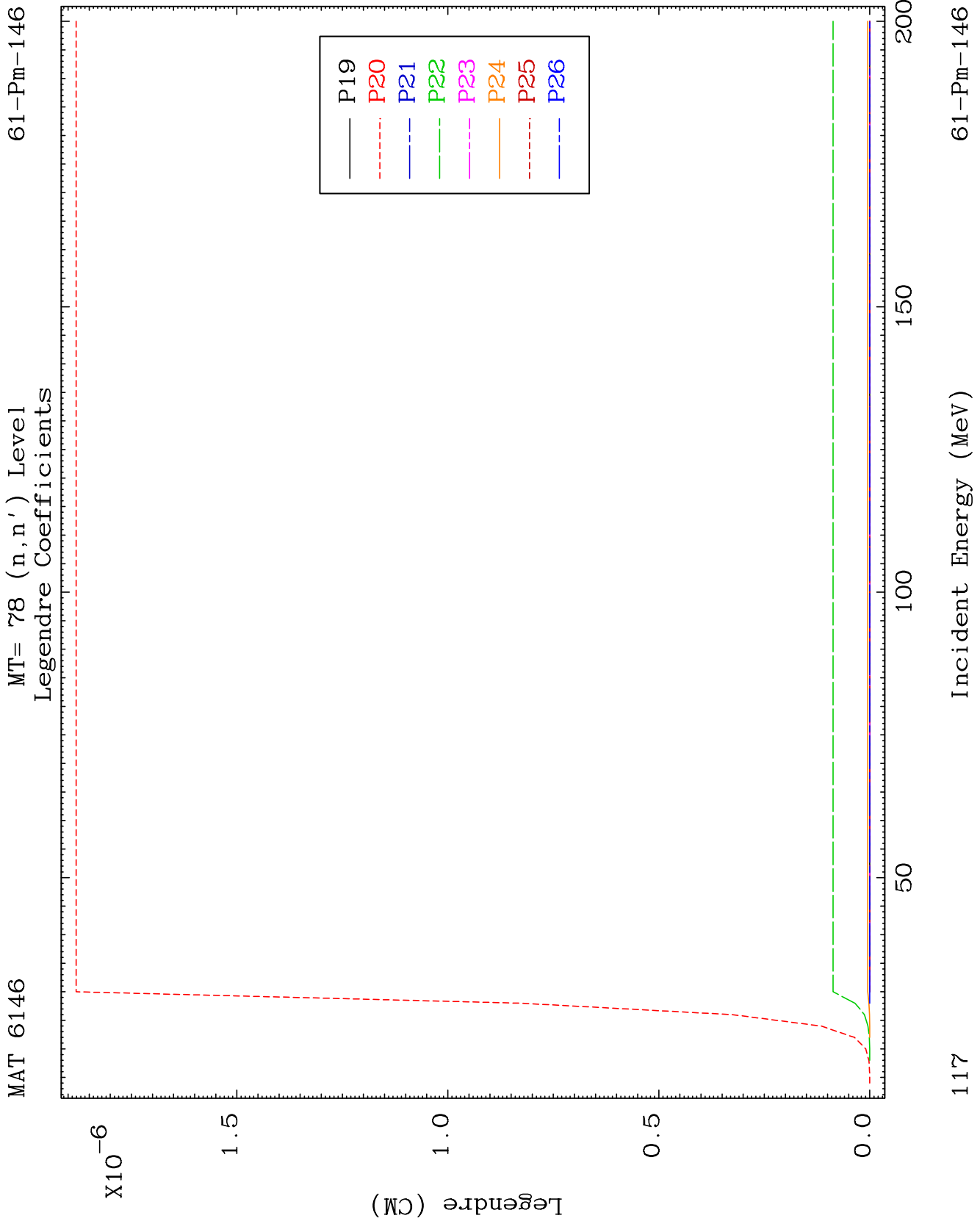
61-Pm-146



61-Pm-146

Incident Energy (MeV)

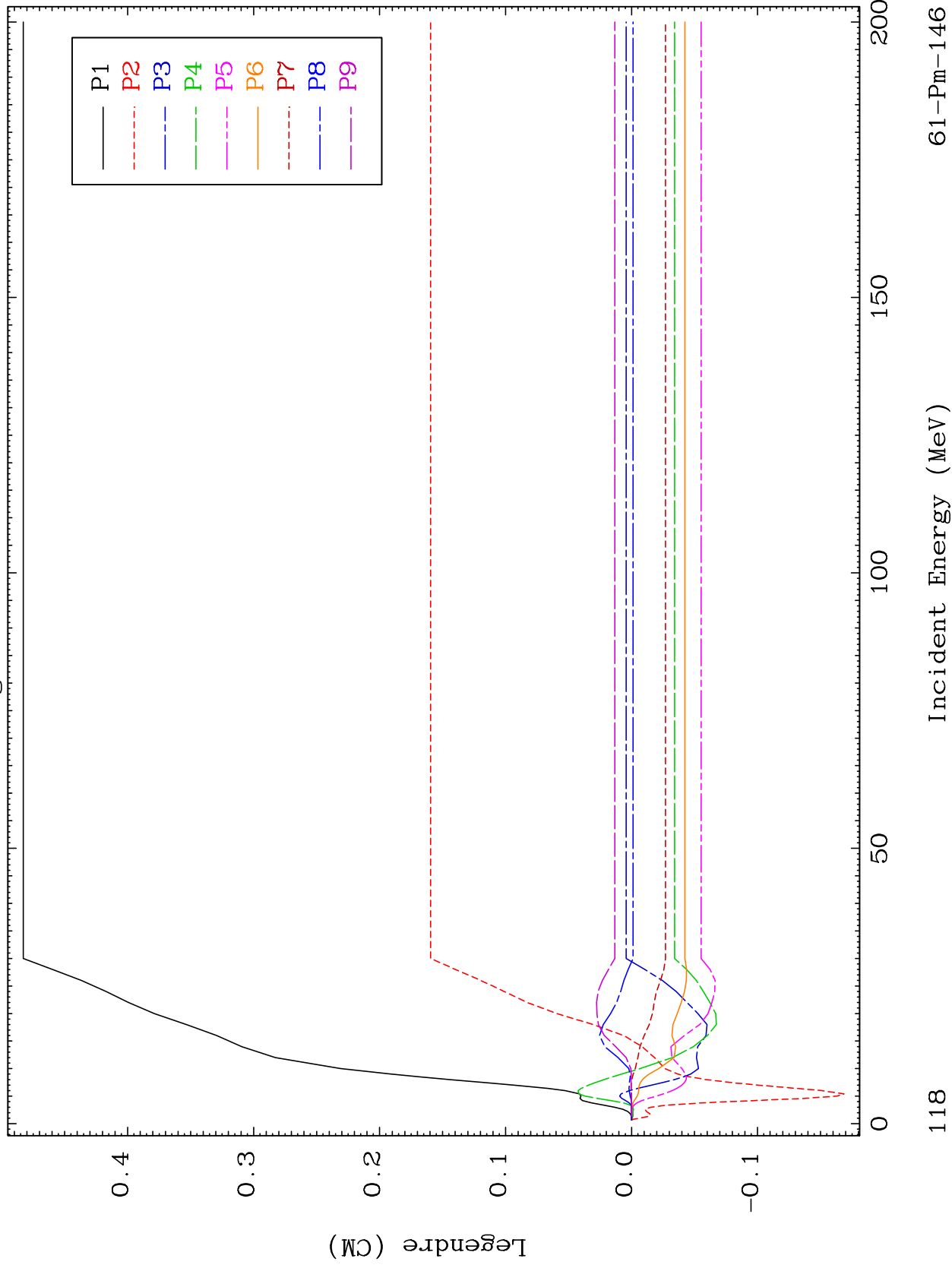
116



MAT 6146

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

61-Pm-146



61-Pm-146

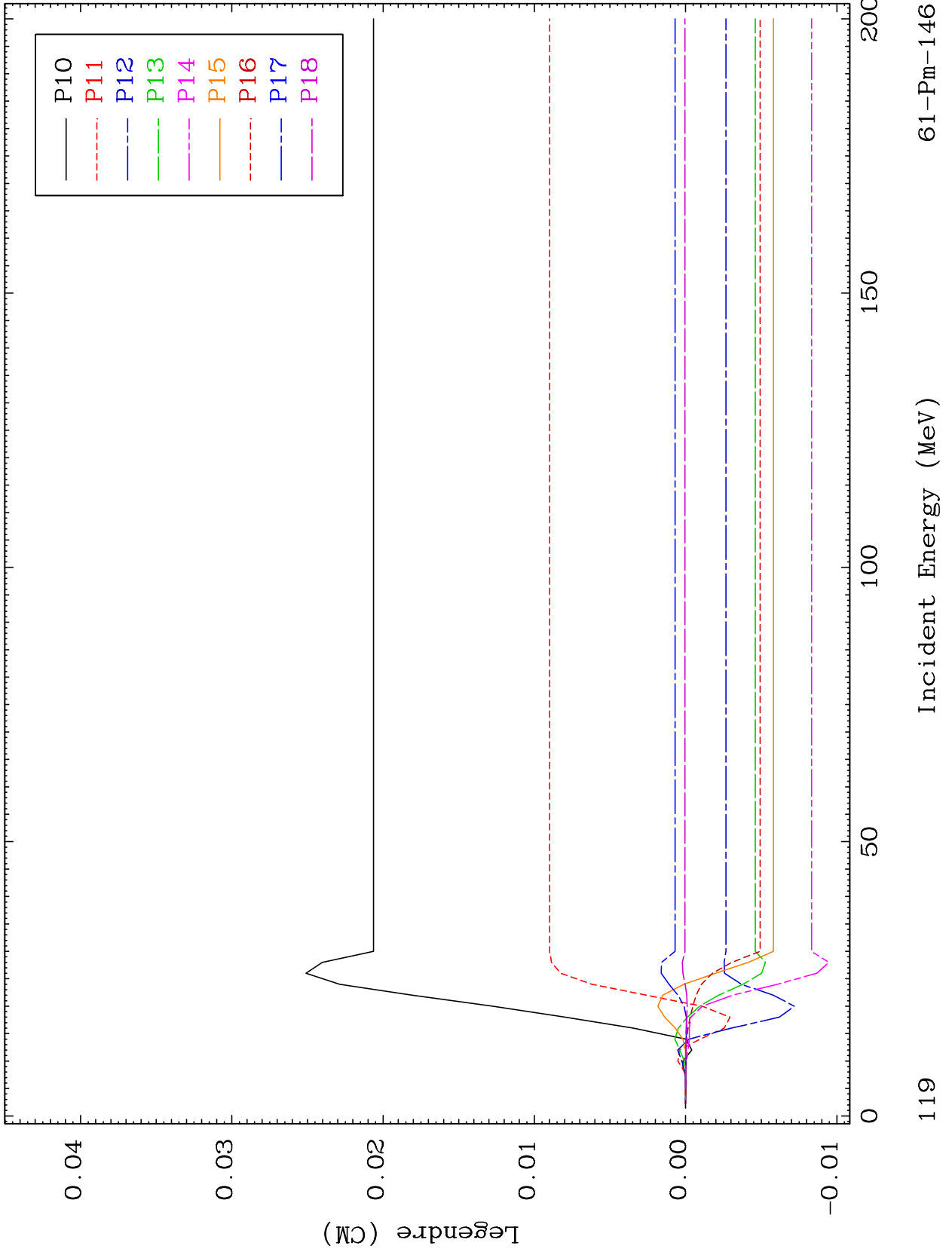
Incident Energy (MeV)

118

MAT 6146

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

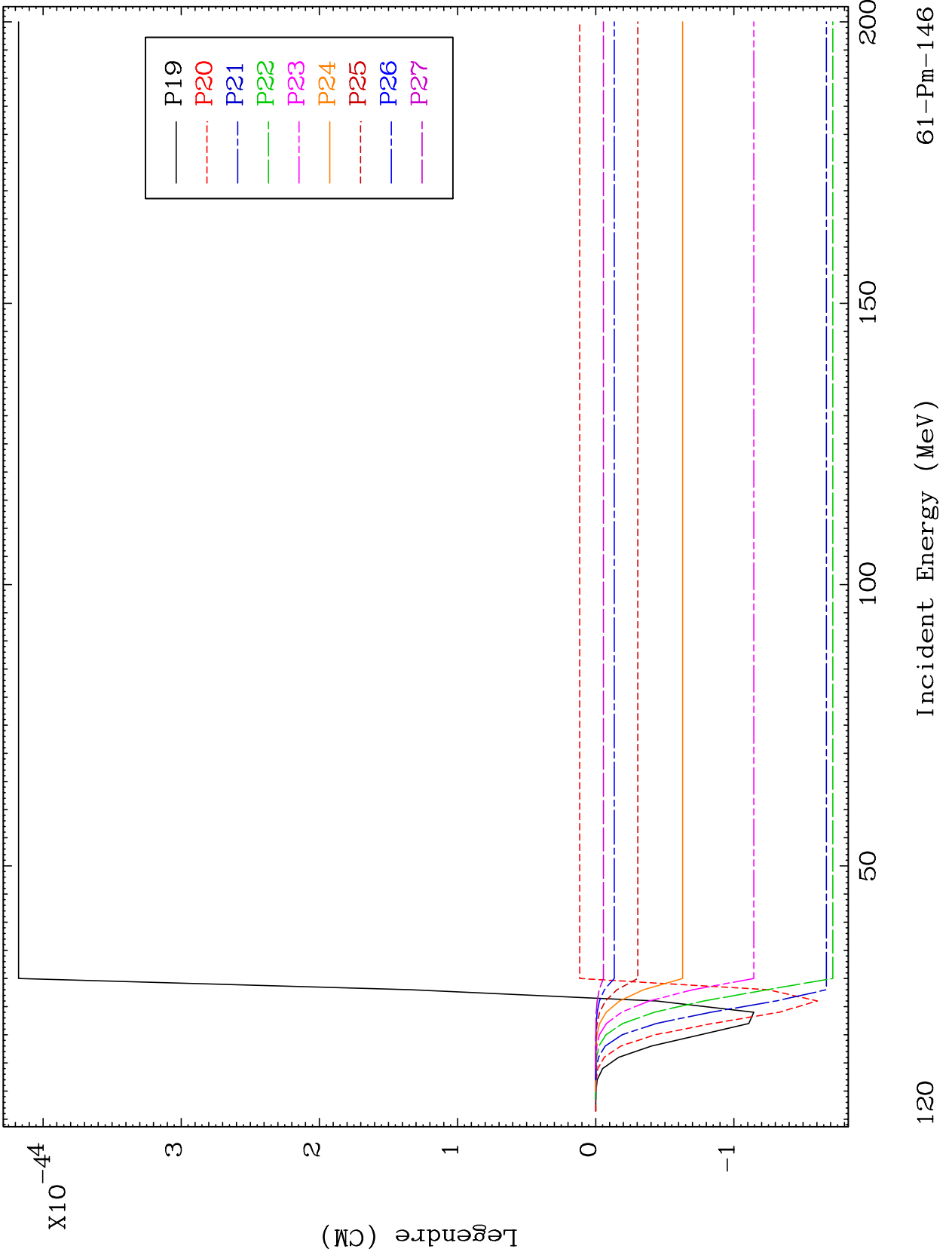
61-Pm-146

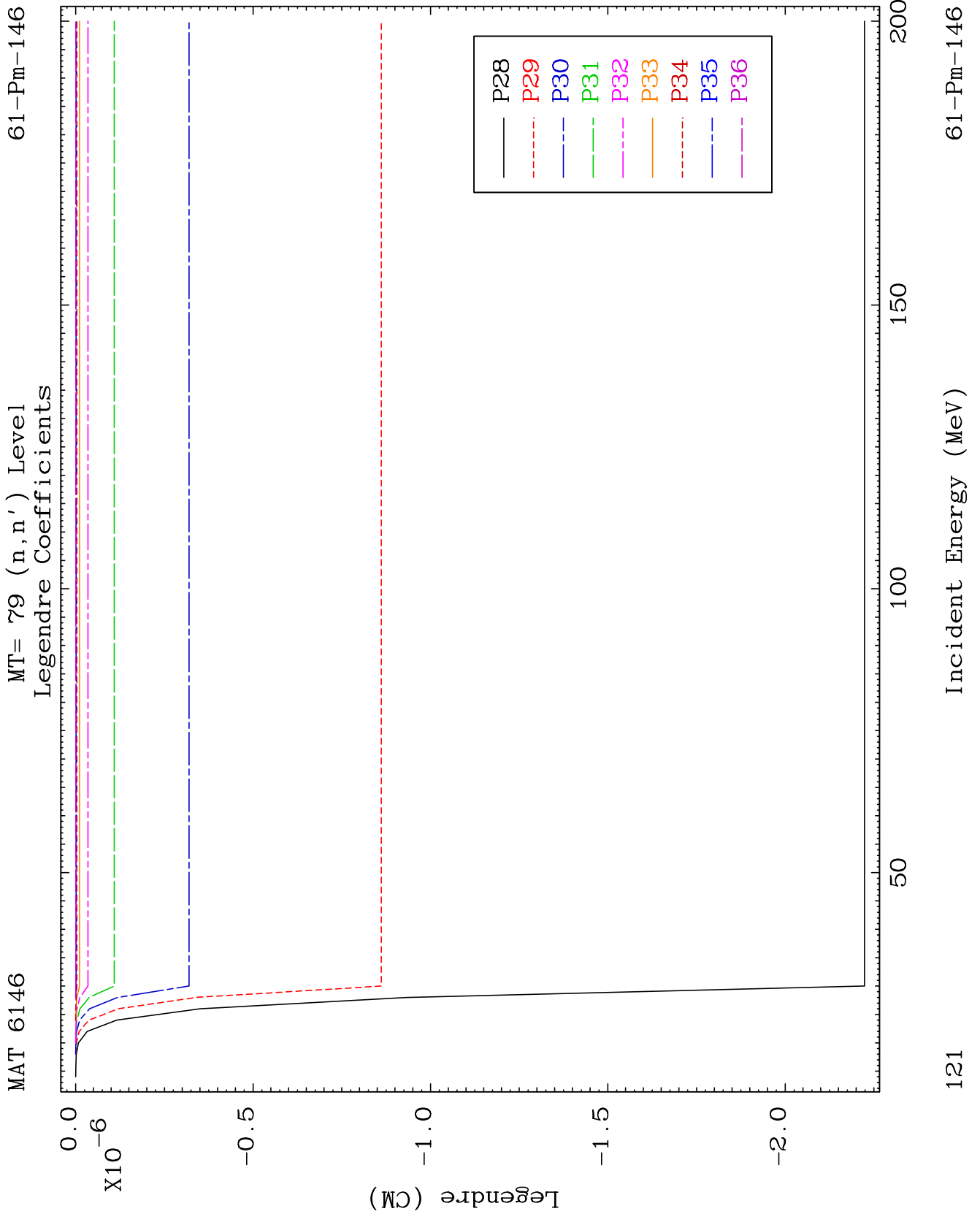


MAT 6146

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

61-Pm-146

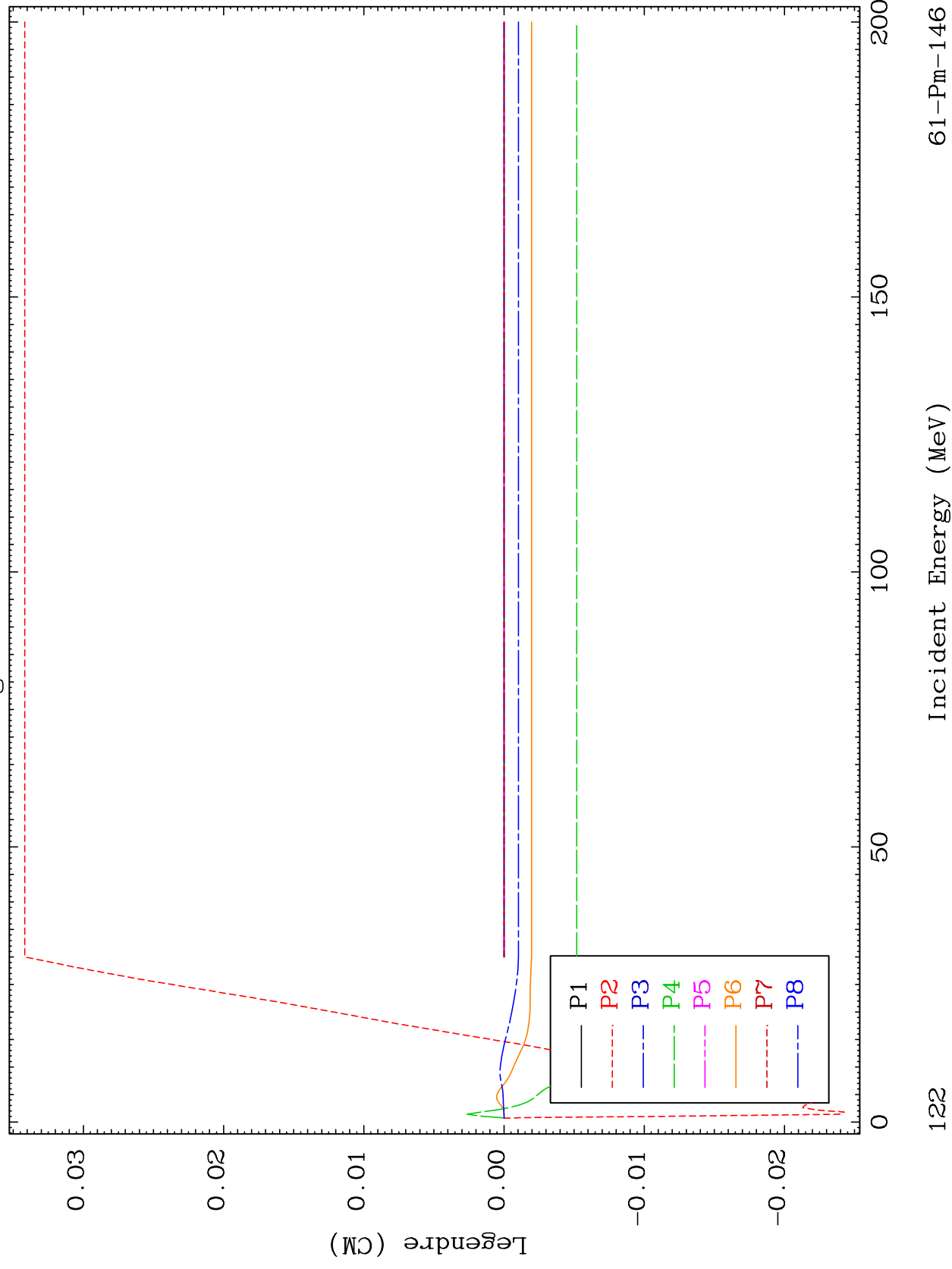




MAT 6146

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

61-Pm-146



61-Pm-146

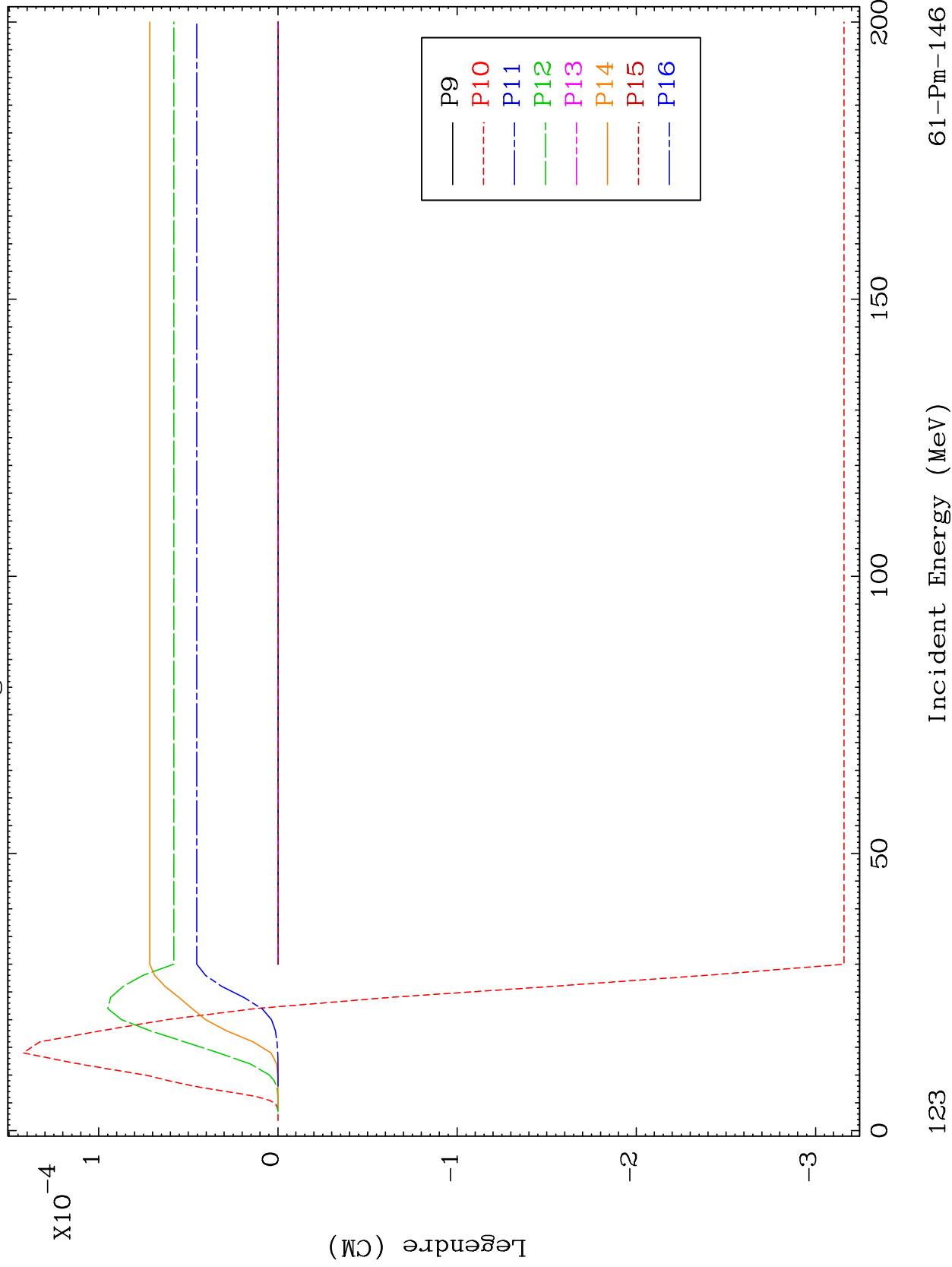
Incident Energy (MeV)

122

MAT 6146

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

61-Pm-146



123

Incident Energy (MeV)

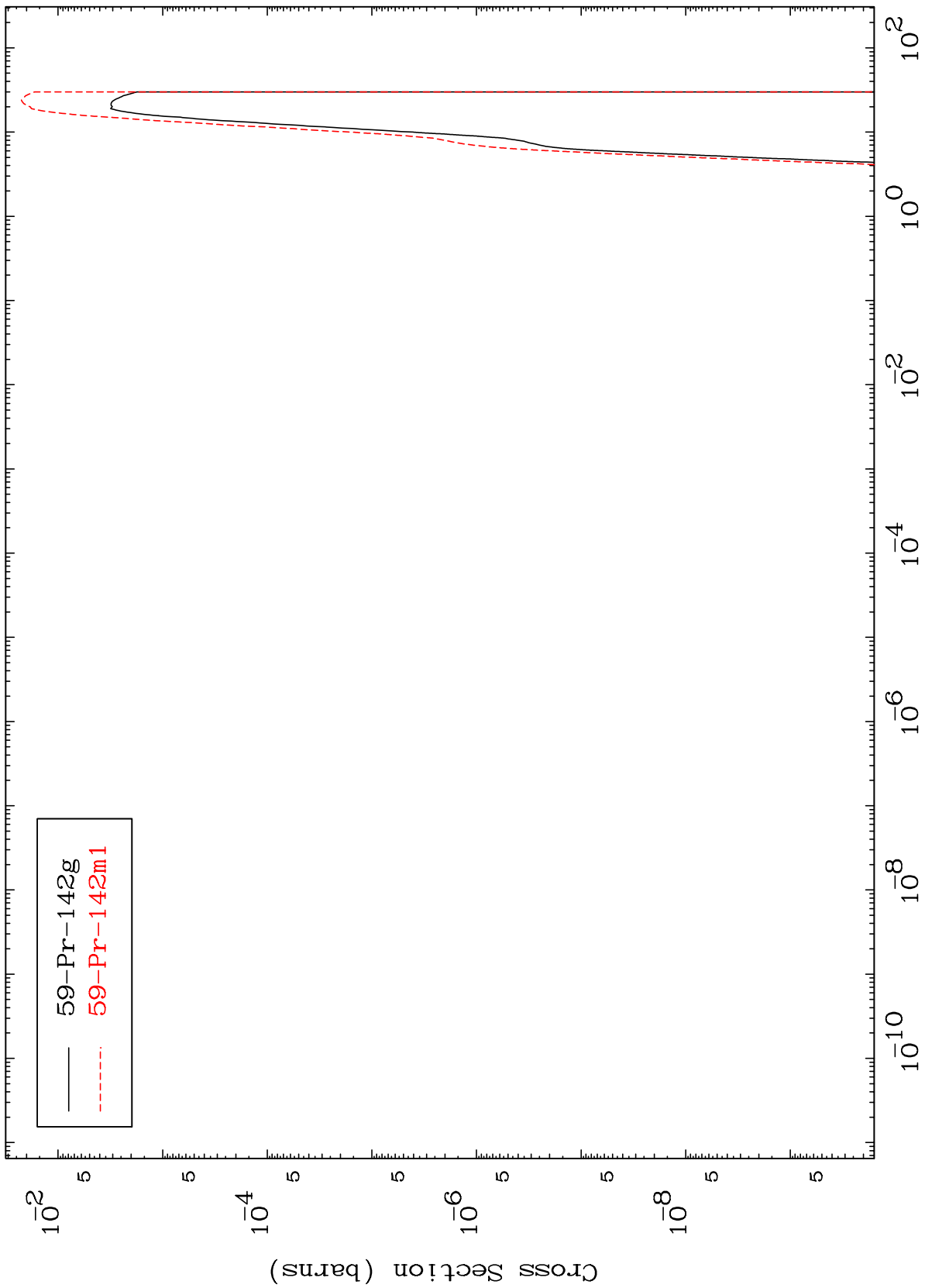
61-Pm-146

MAT 6146

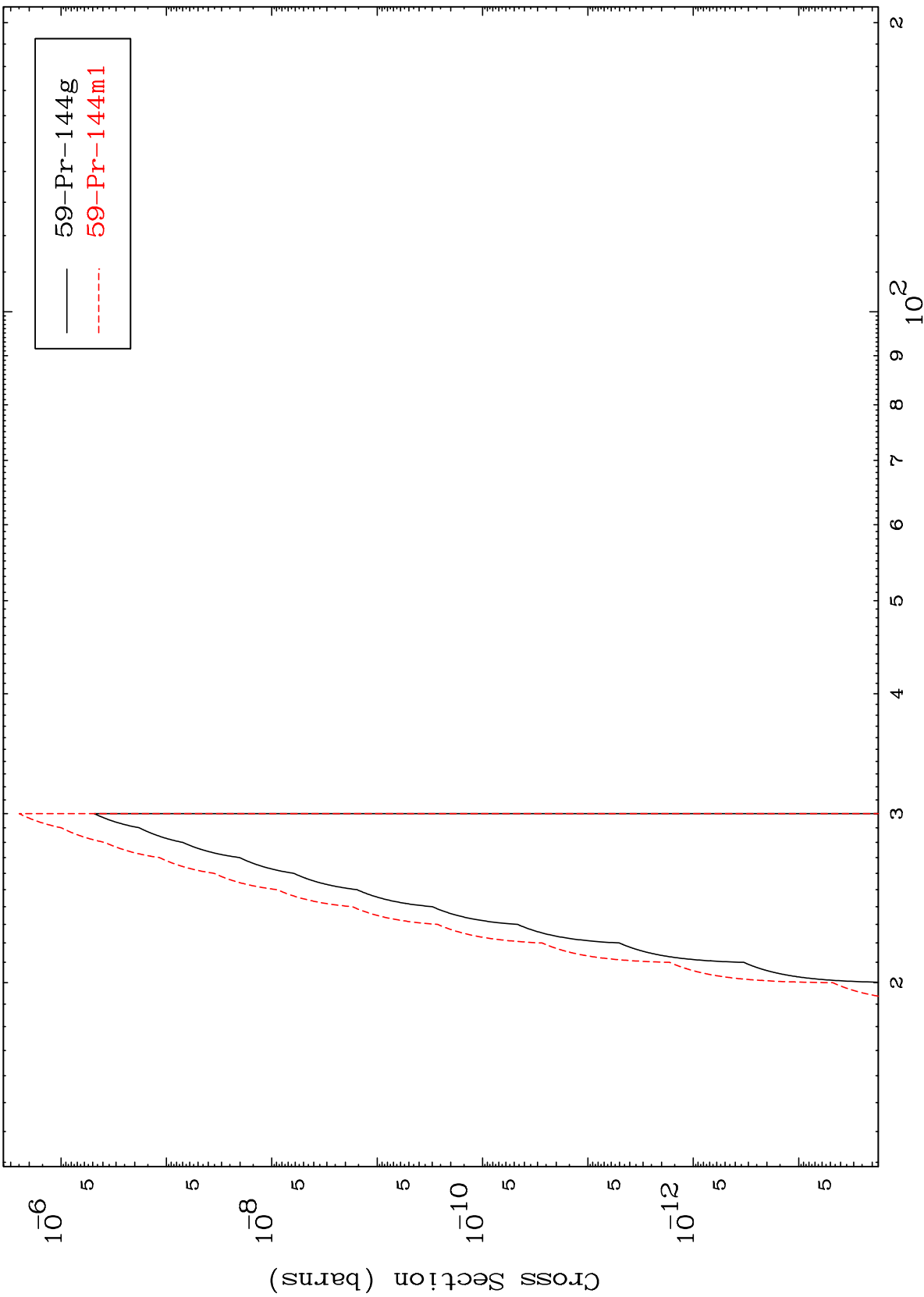
$(n, n') \alpha$

61-Pm-146

Radionuclide Production Cross Section



Radionuclide Production Cross Section



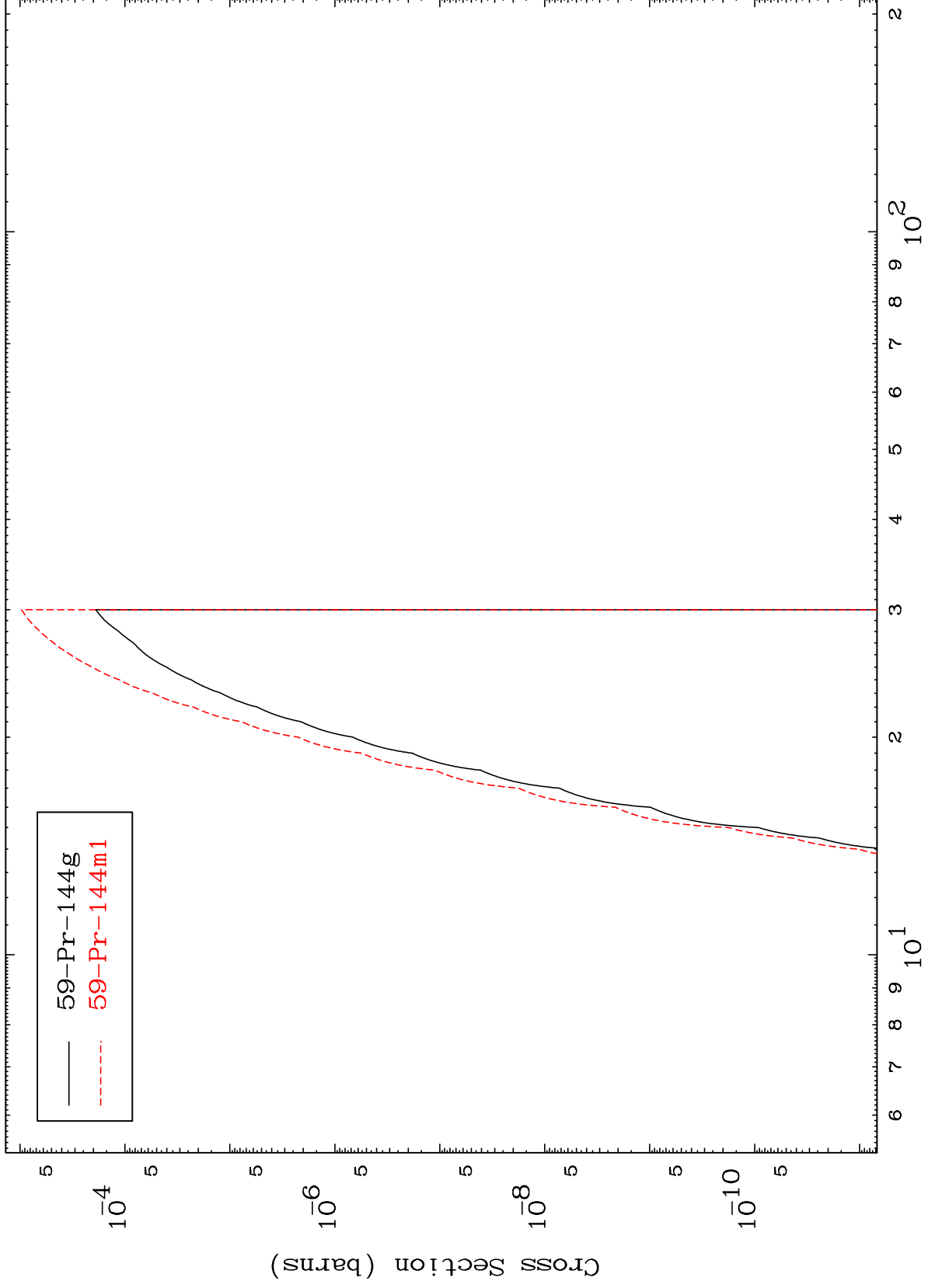
59-Pr-144g
59-Pr-144m1

MAT 6146

(n,He-3)

61-Pm-146

Radionuclide Production Cross Section



127

Incident Energy (MeV)

61-Pm-146

Radionuclide Production Cross Section

