

Program EVALPLOT  
(Version 2018-1)

by

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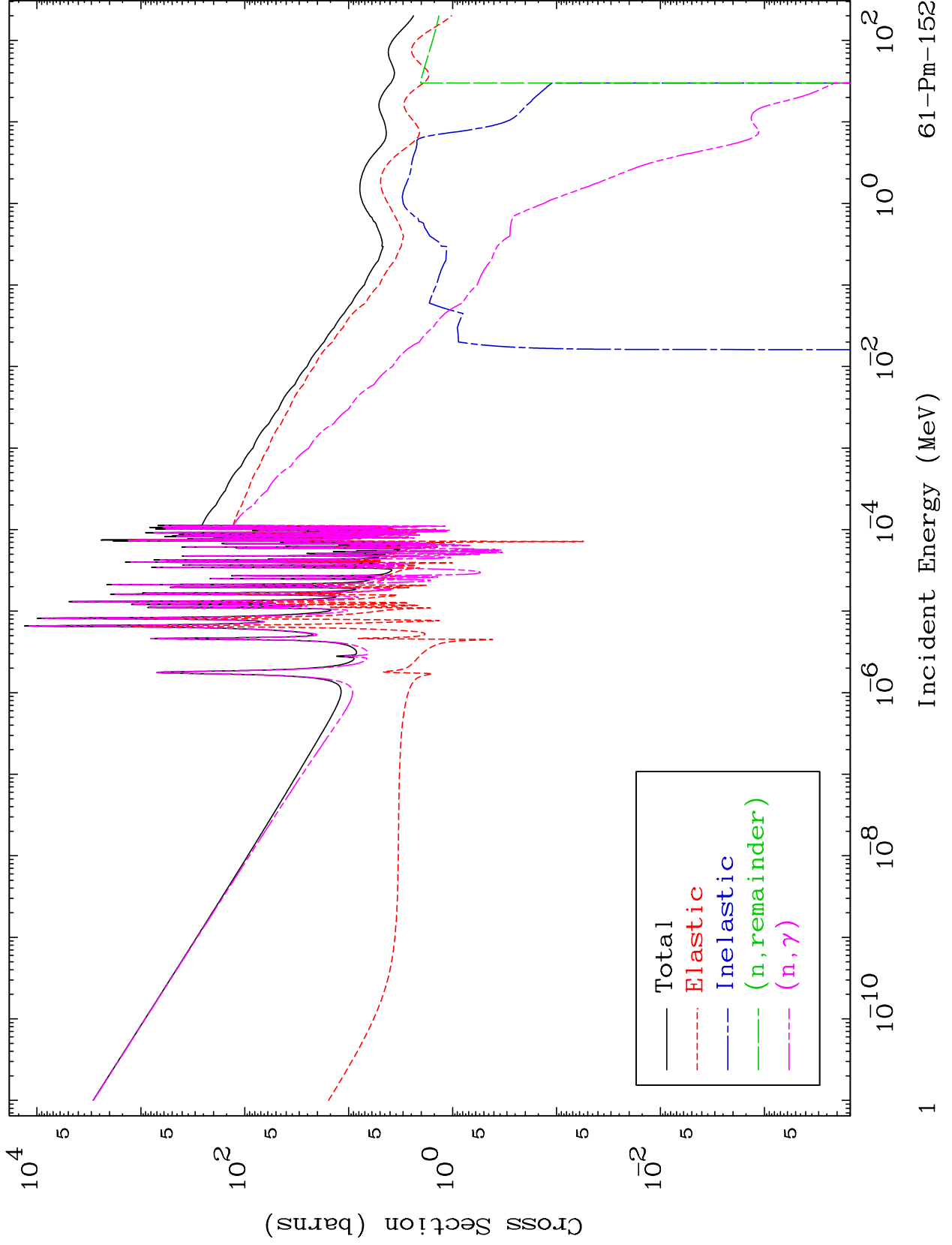
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Press Mouse Button to Start

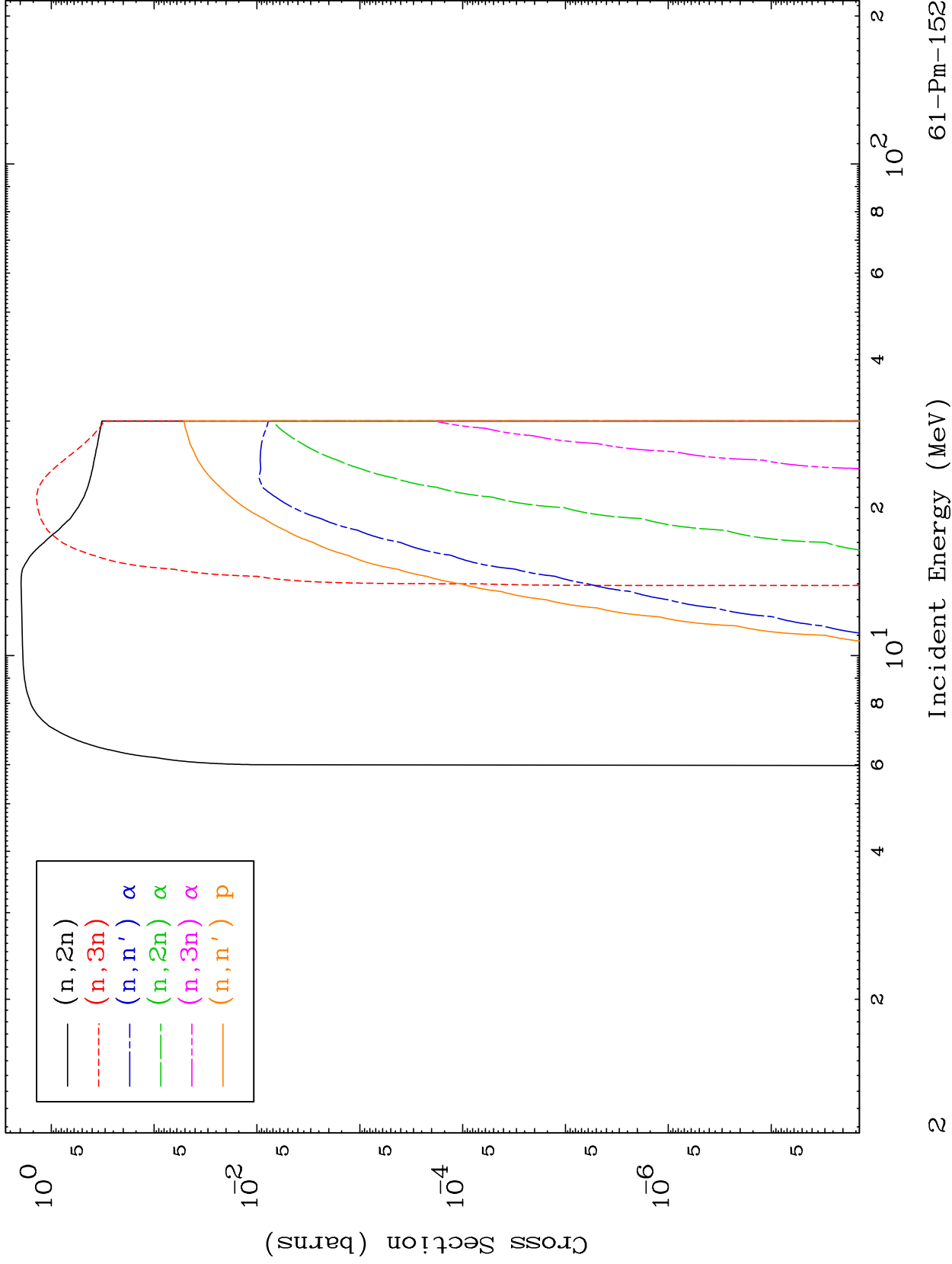
MAT 6164

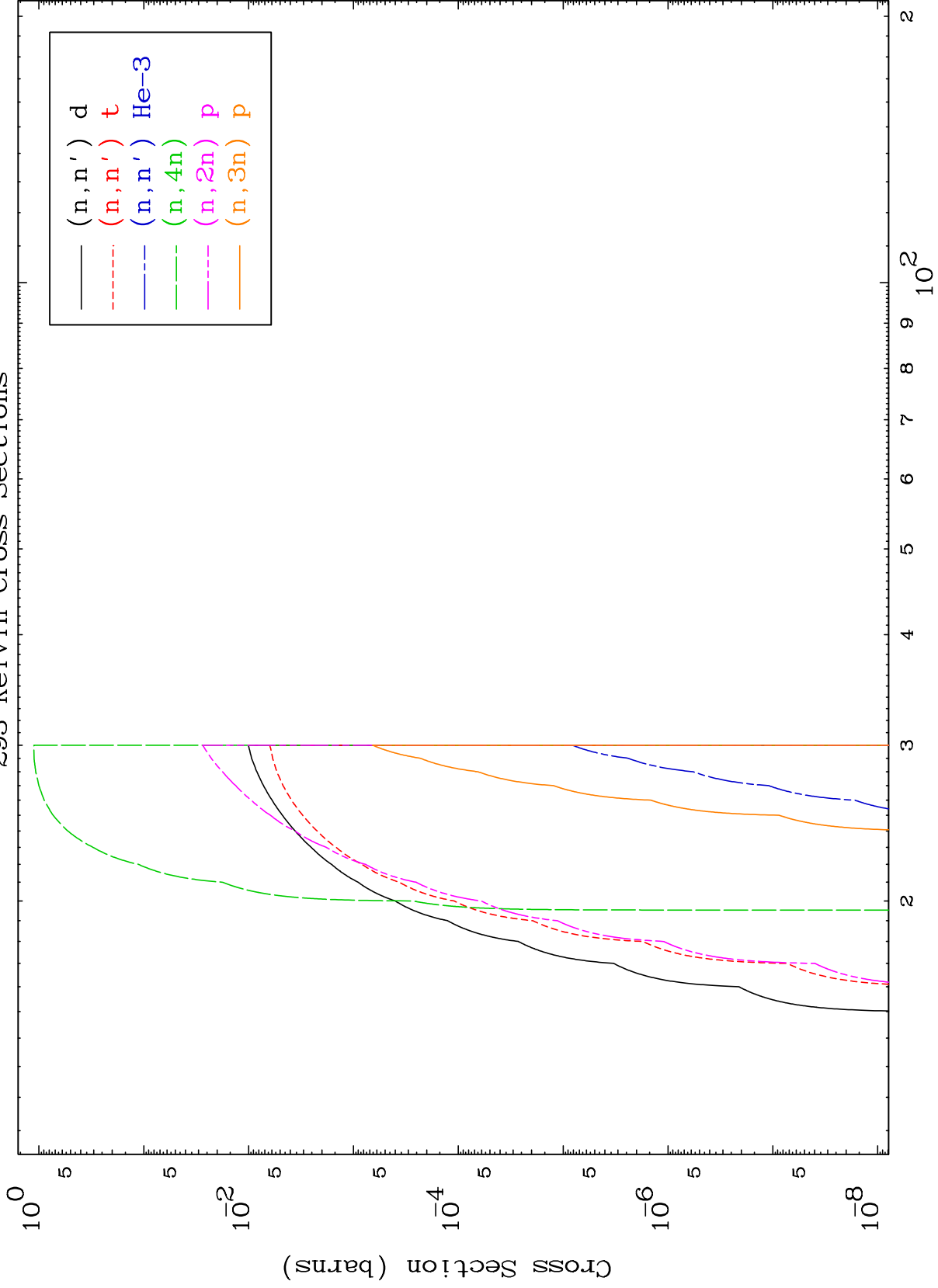
Major  
293 Kelvin Cross Sections

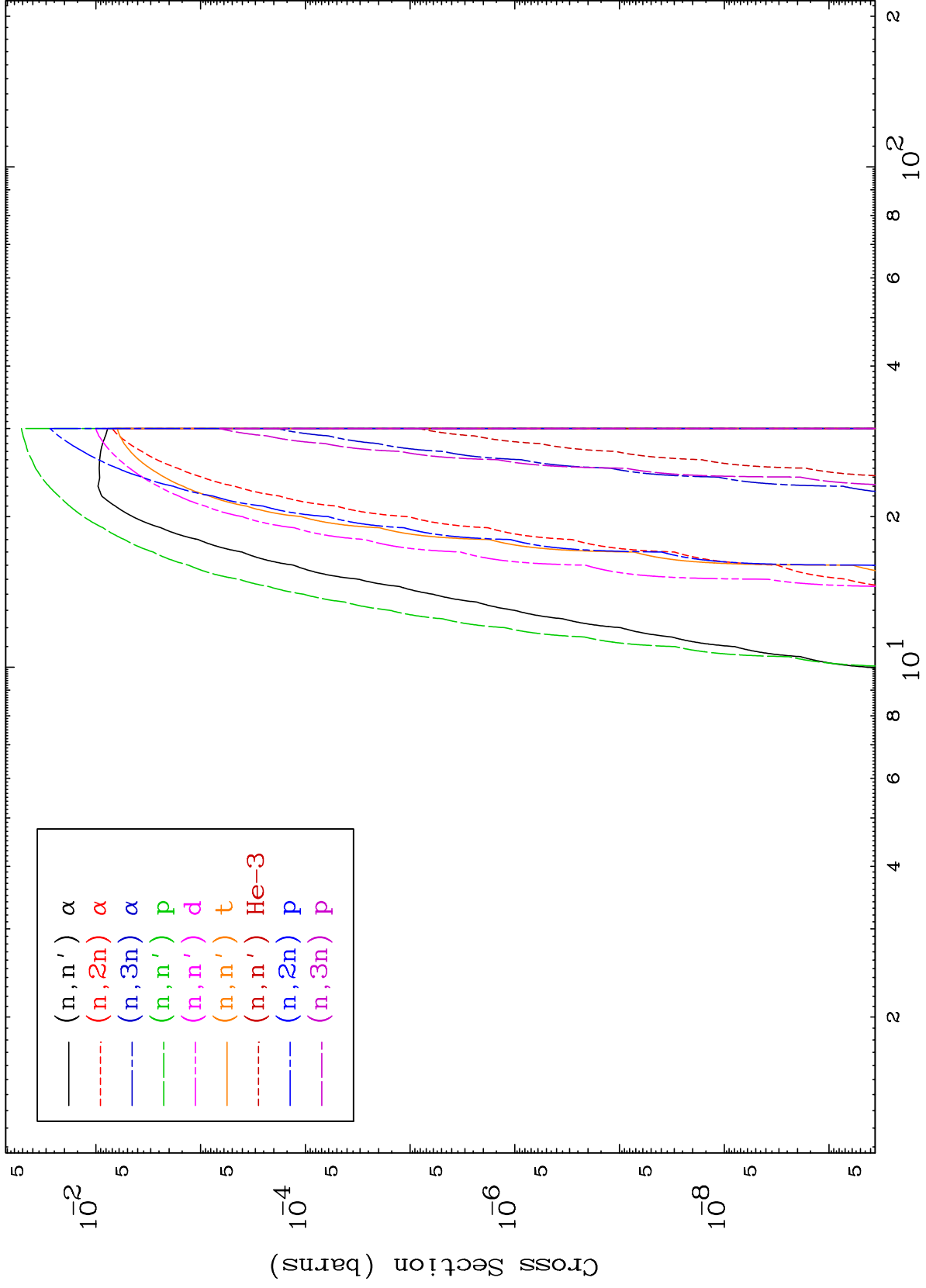
61-Pm-152



Neutron Production  
293 Kelvin Cross Sections



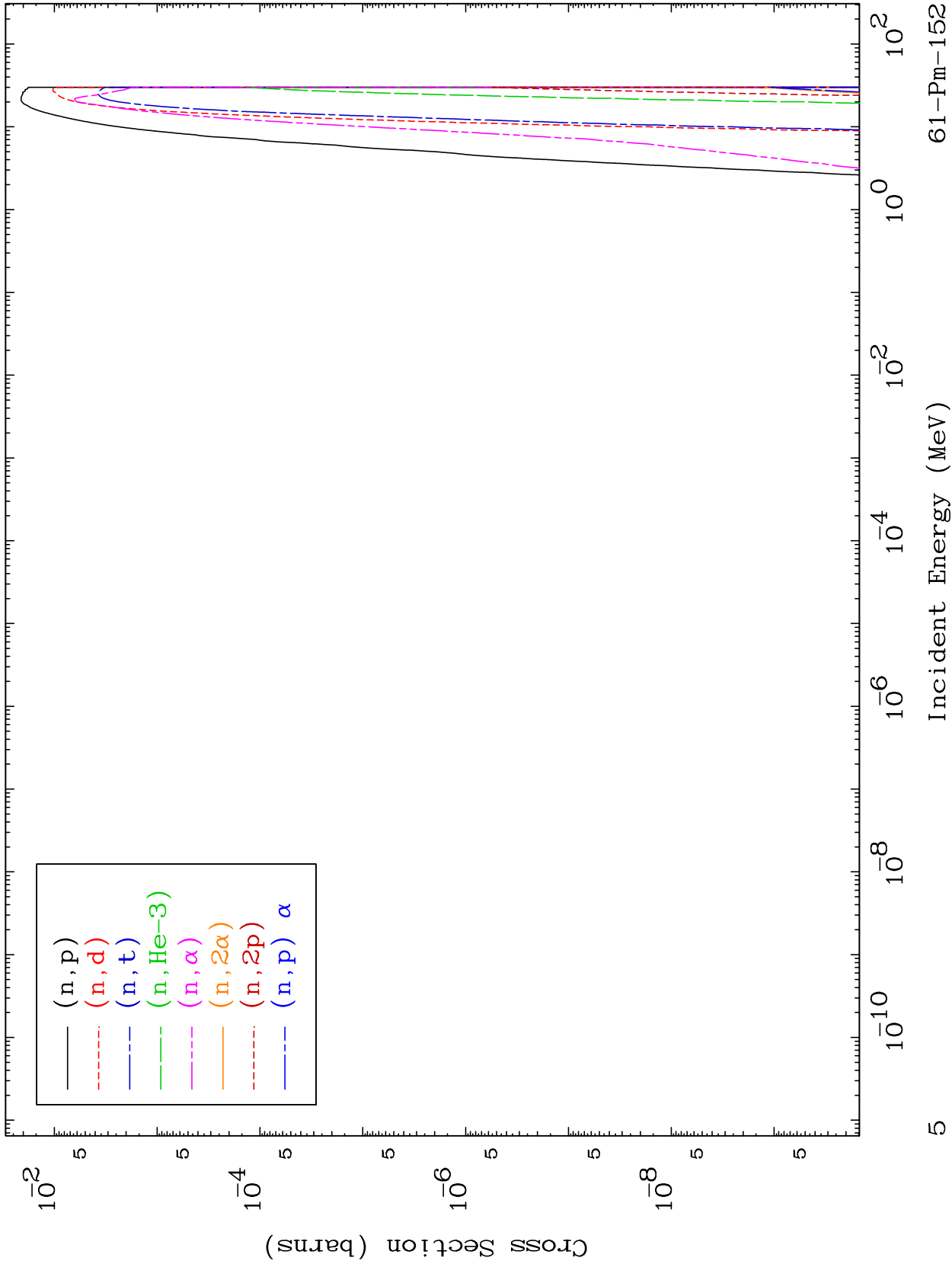




MAT 6164

Charged Particle  
293 Kelvin Cross Sections

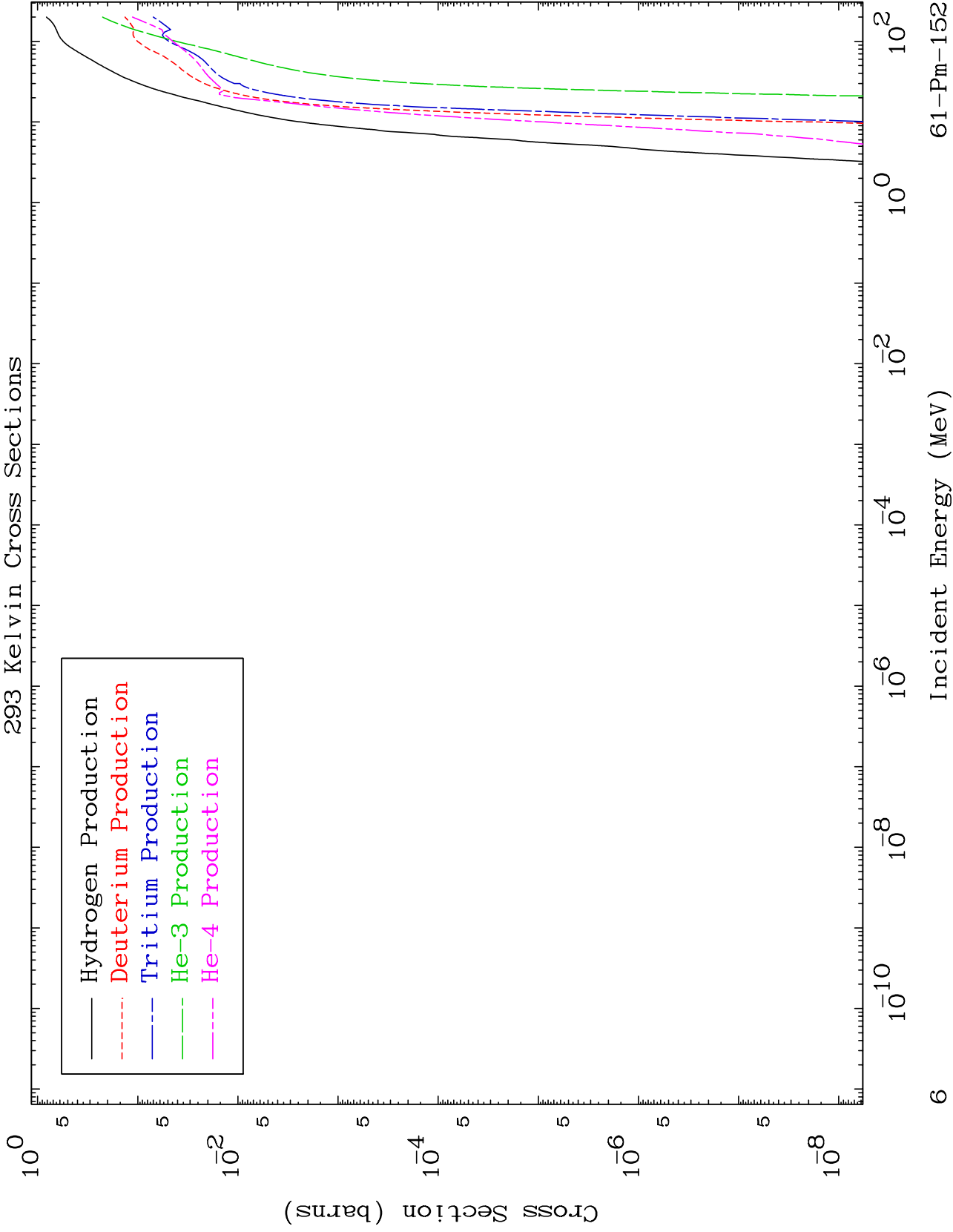
61-Pm-152



MAT 6164

Particle Production  
293 Kelvin Cross Sections

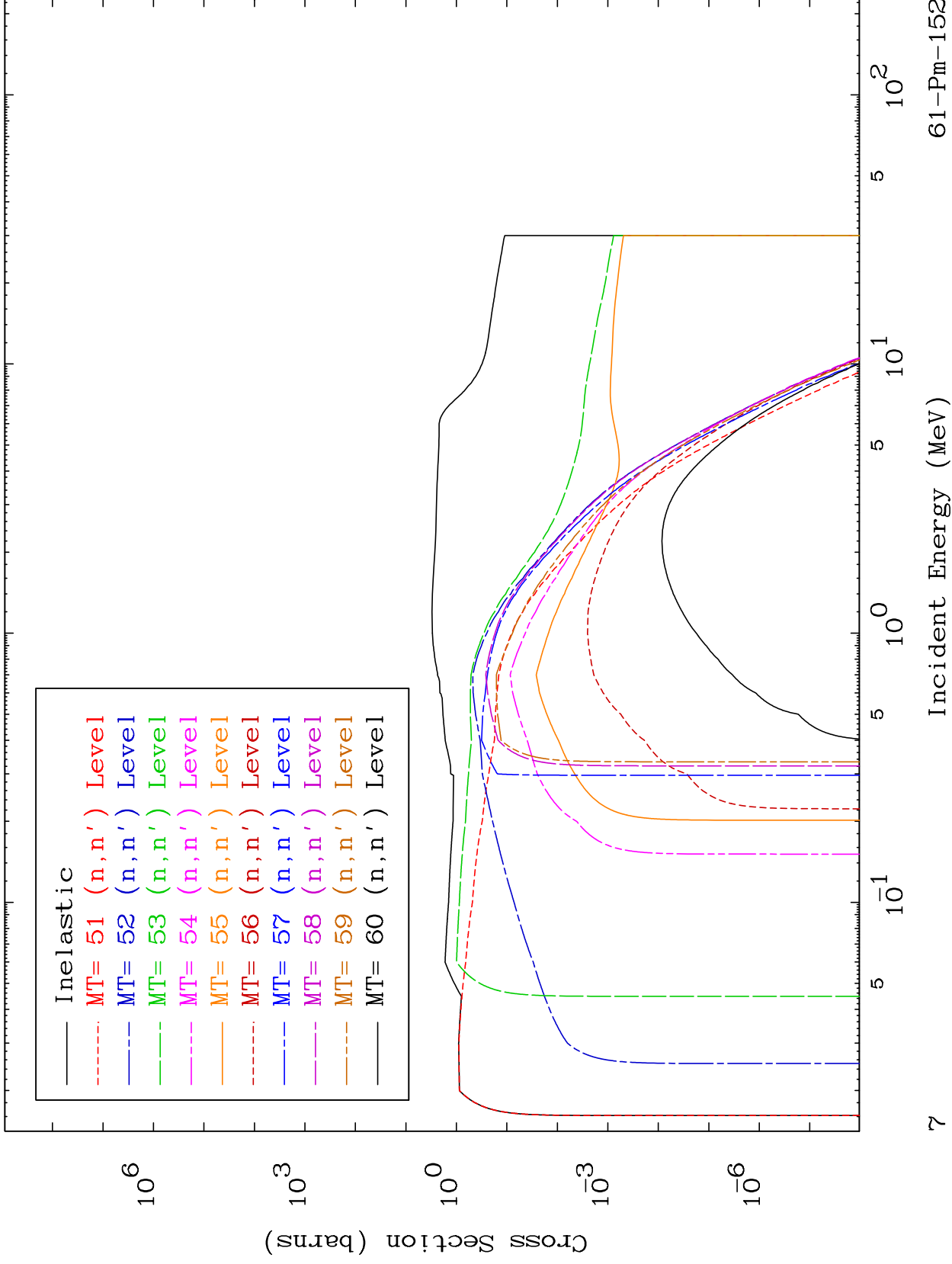
61-Pm-152



MAT 6164

293 Kelvin Cross Sections

61-Pm-152



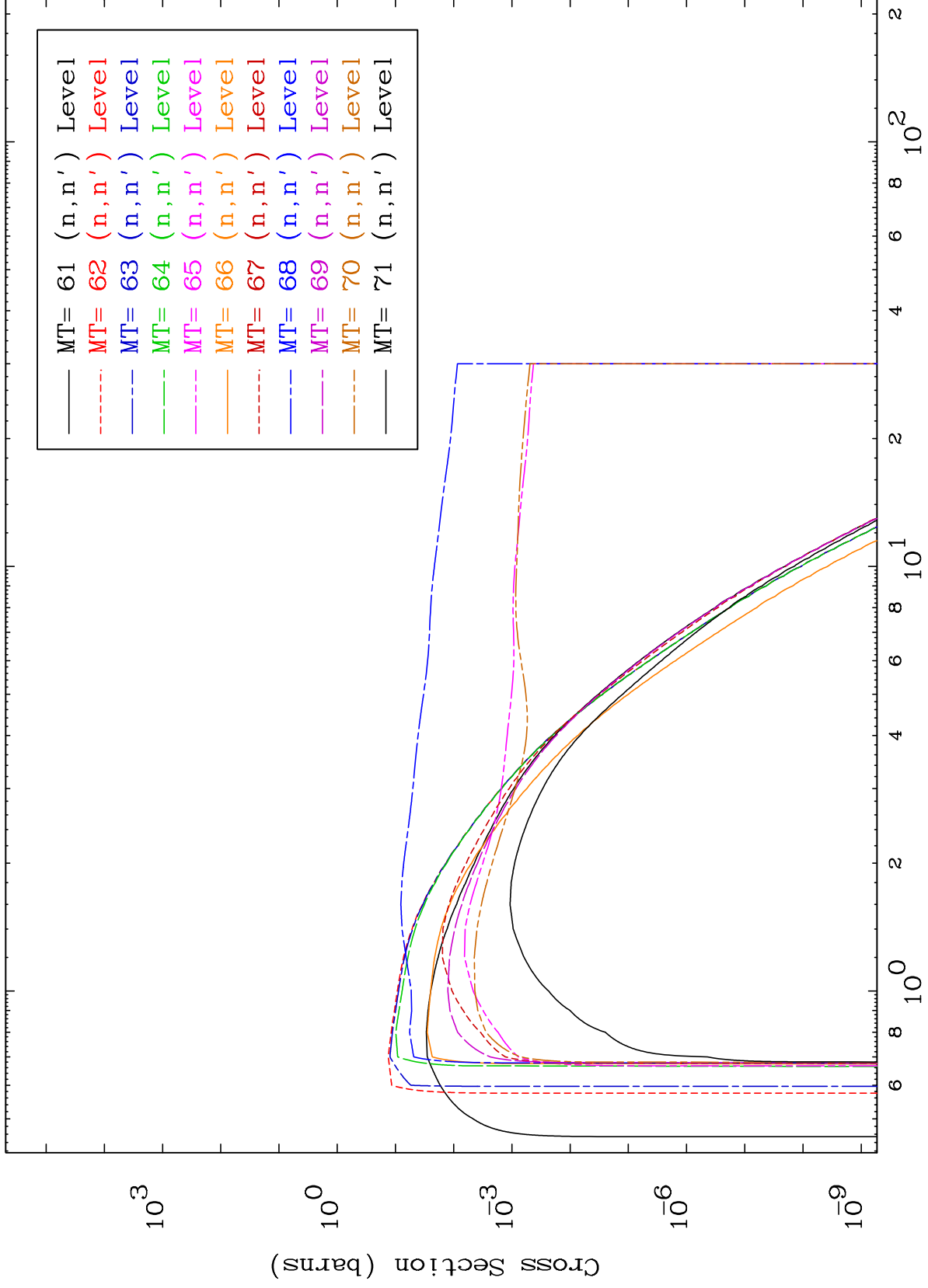


MAT 6164

(n,n') Level

293 Kelvin Cross Sections

61-Pm-152

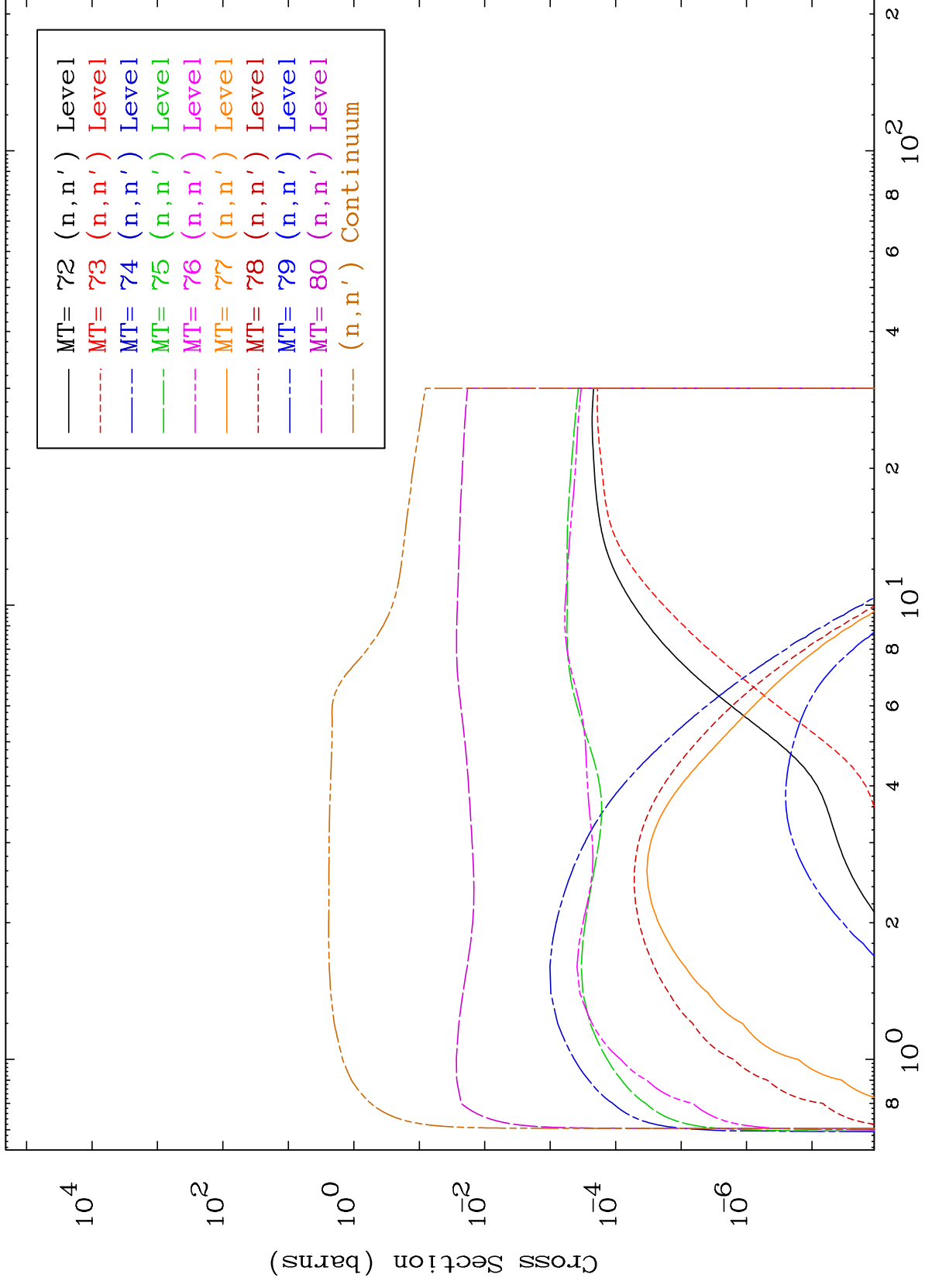


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Incident Energy (MeV)

61-Pm-152

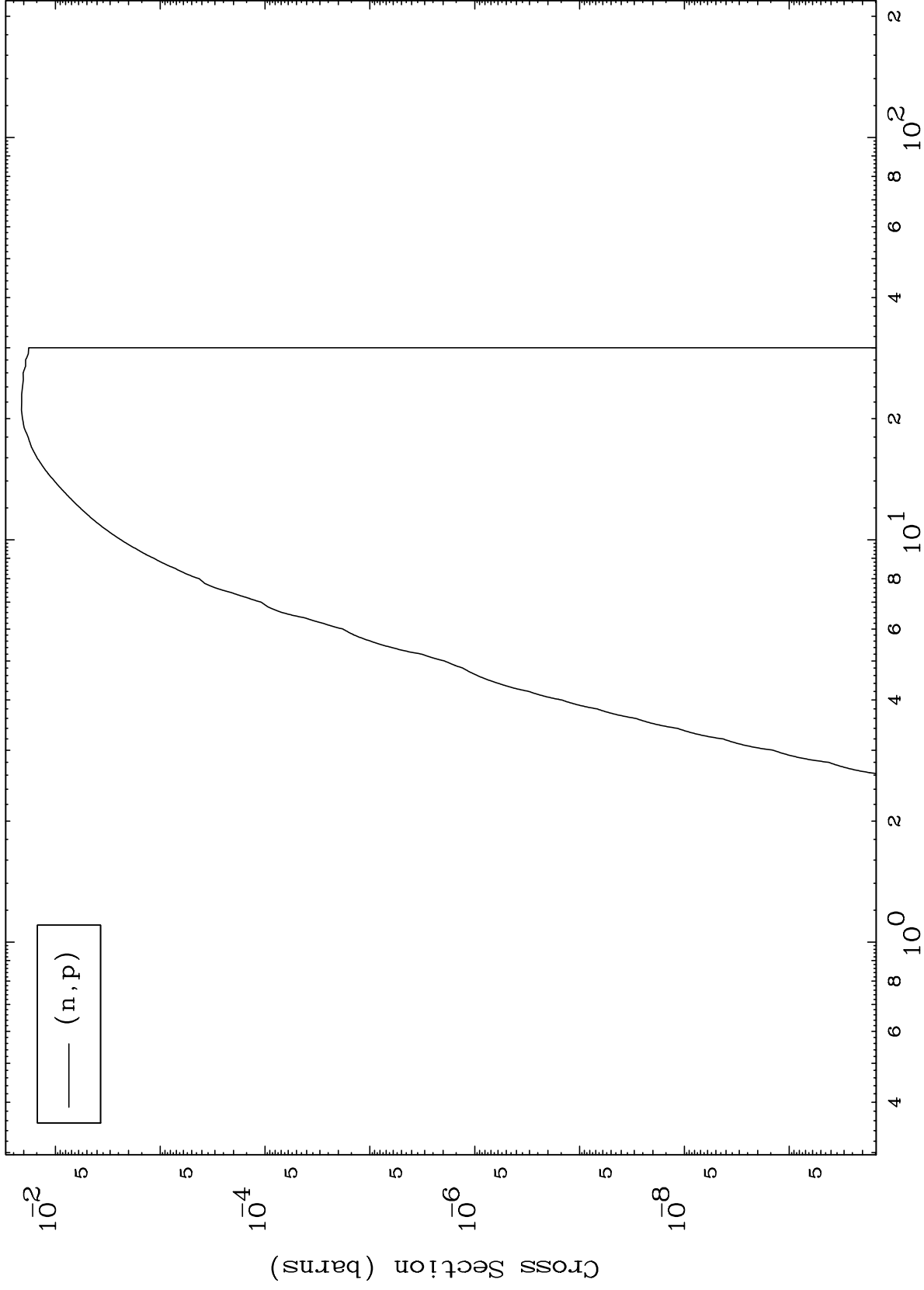
293 Kelvin Cross Sections



MAT 6164

(n,p) Levels  
293 Kelvin Cross Sections

61-Pm-152



10

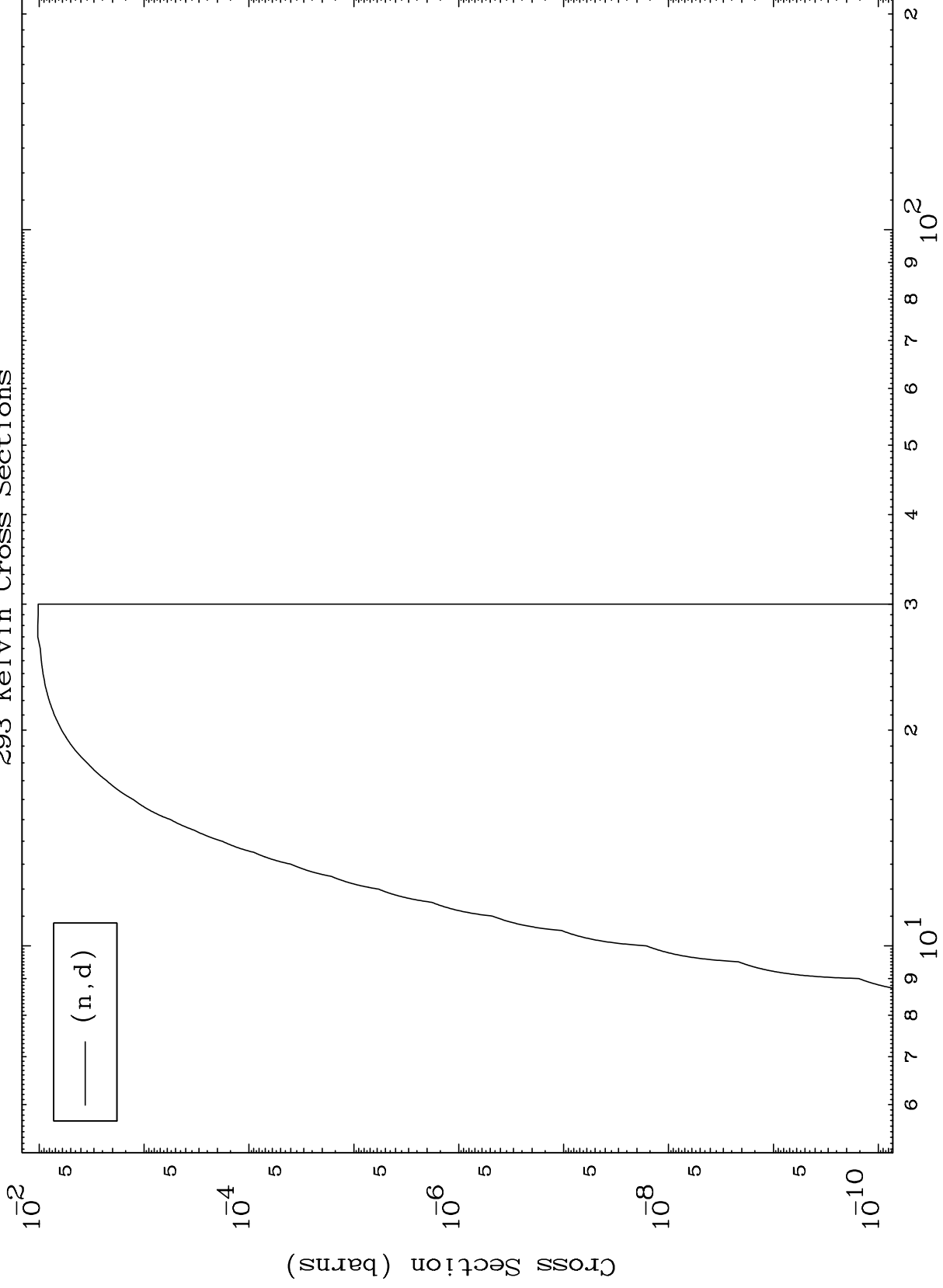
Incident Energy (MeV)

61-Pm-152

MAT 6164

(n,d) Levels  
293 Kelvin Cross Sections

61-Pm-152



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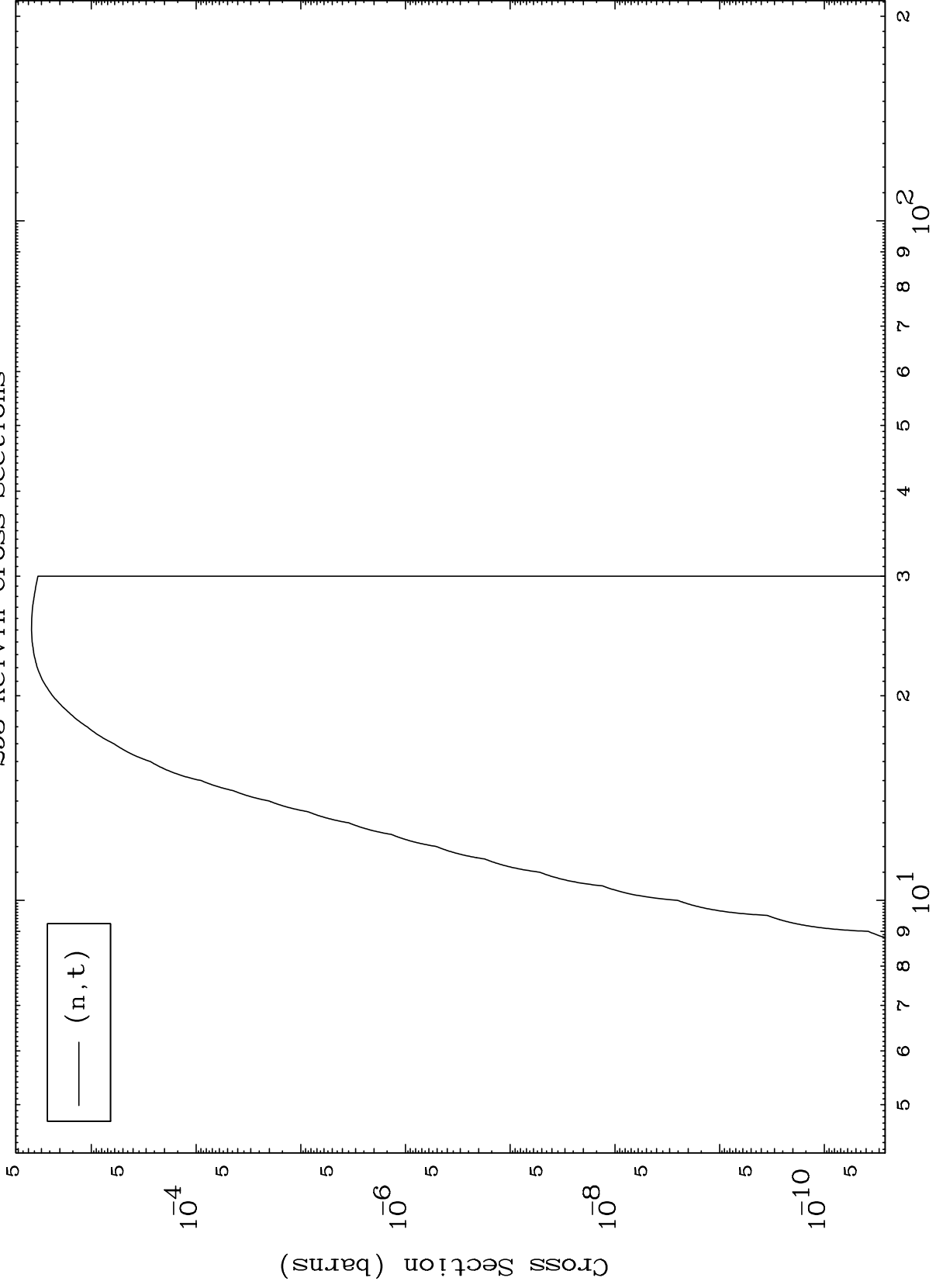
Incident Energy (MeV)

61-Pm-152

MAT 6164

(n,t) Levels  
293 Kelvin Cross Sections

61-Pm-152



(n,t)

12

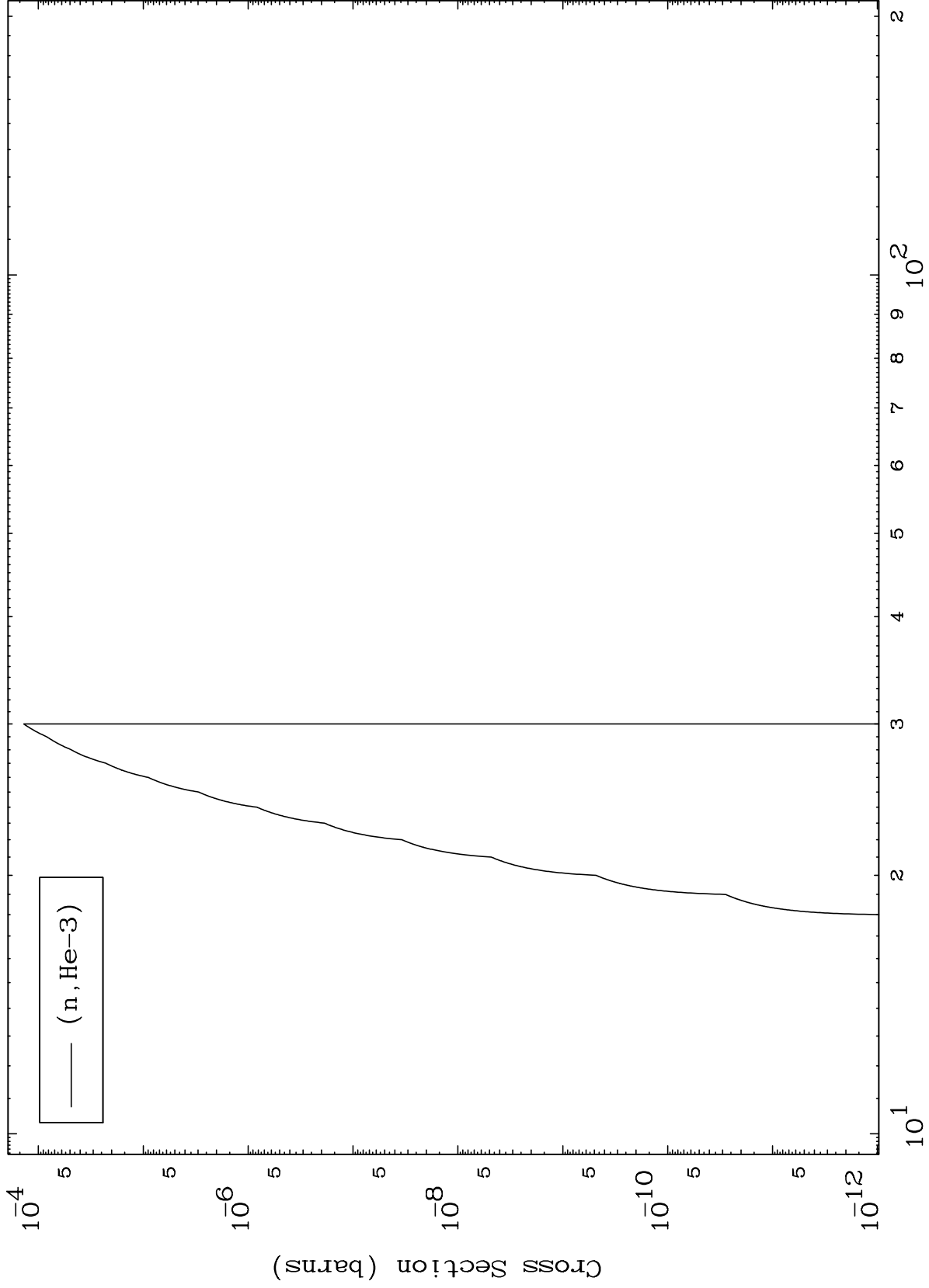
Incident Energy (MeV)

61-Pm-152

MAT 6164

(n,He3) Levels  
293 Kelvin Cross Sections

61-Pm-152



Incident Energy (MeV)

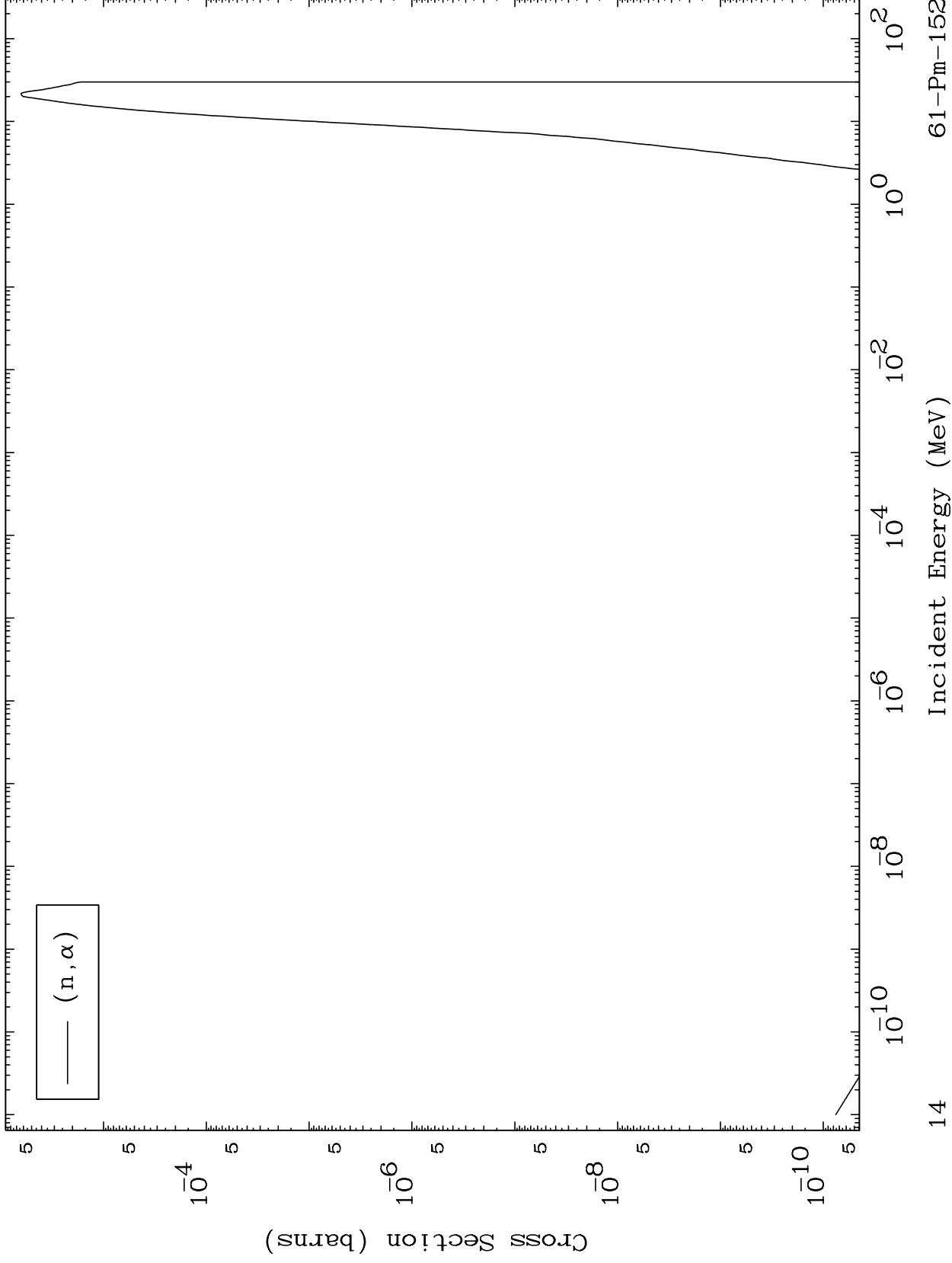
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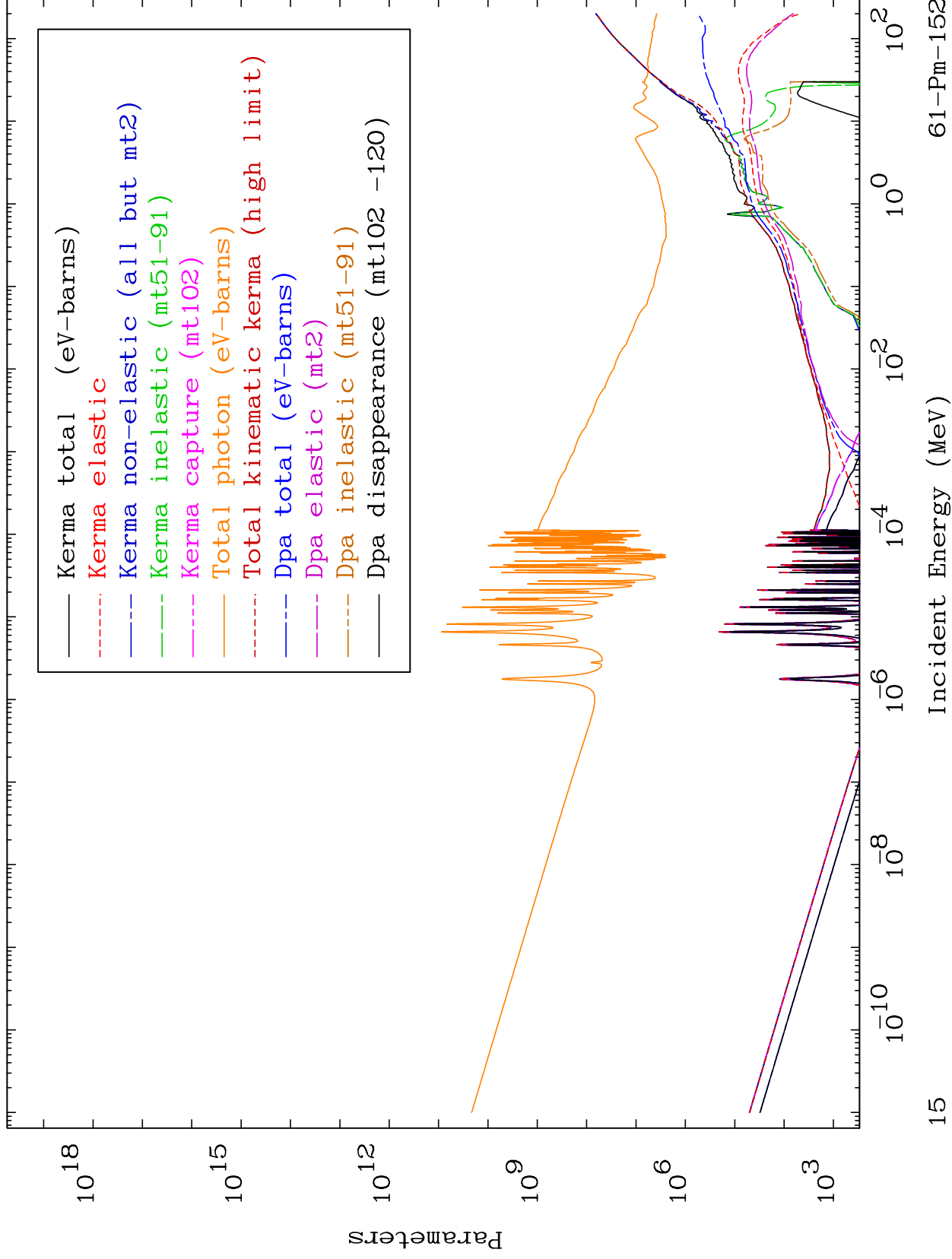
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MAT 6164

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

61-Pm-152



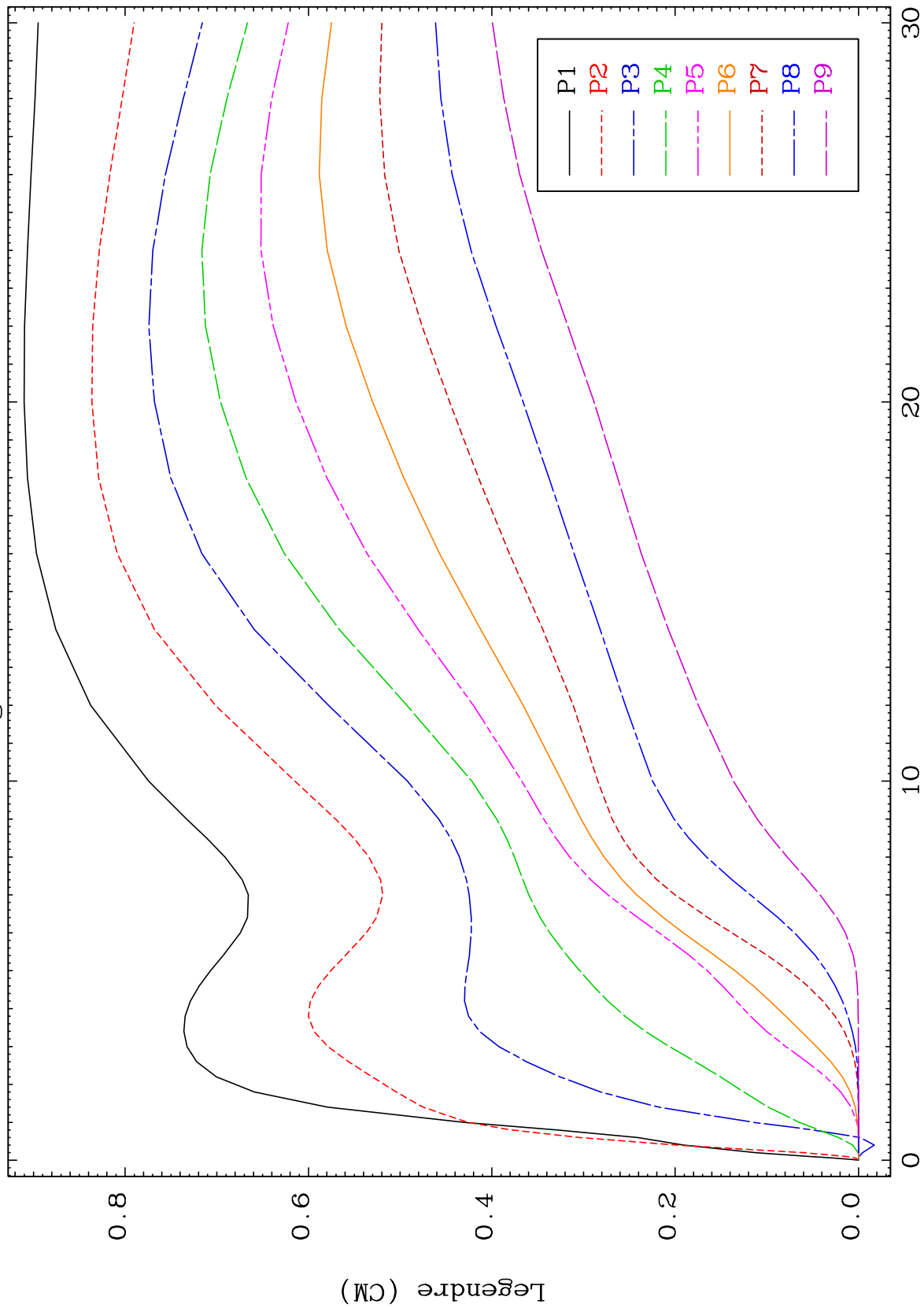




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Elastic Legendre Coefficients

61-Pm-152



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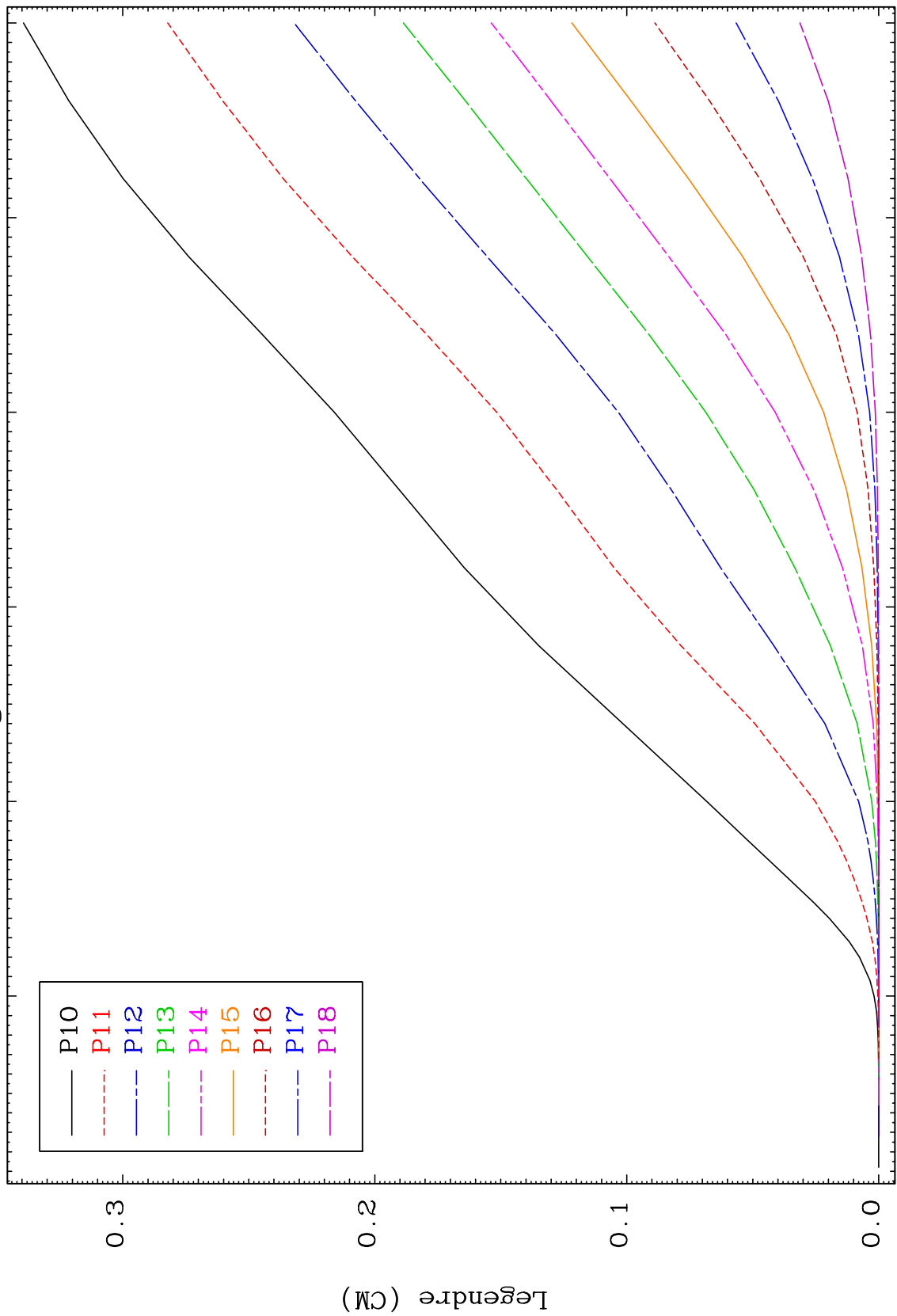
Incident Energy (MeV)

61-Pm-152

MAT 6164

Elastic Legendre Coefficients

61-Pm-152



17

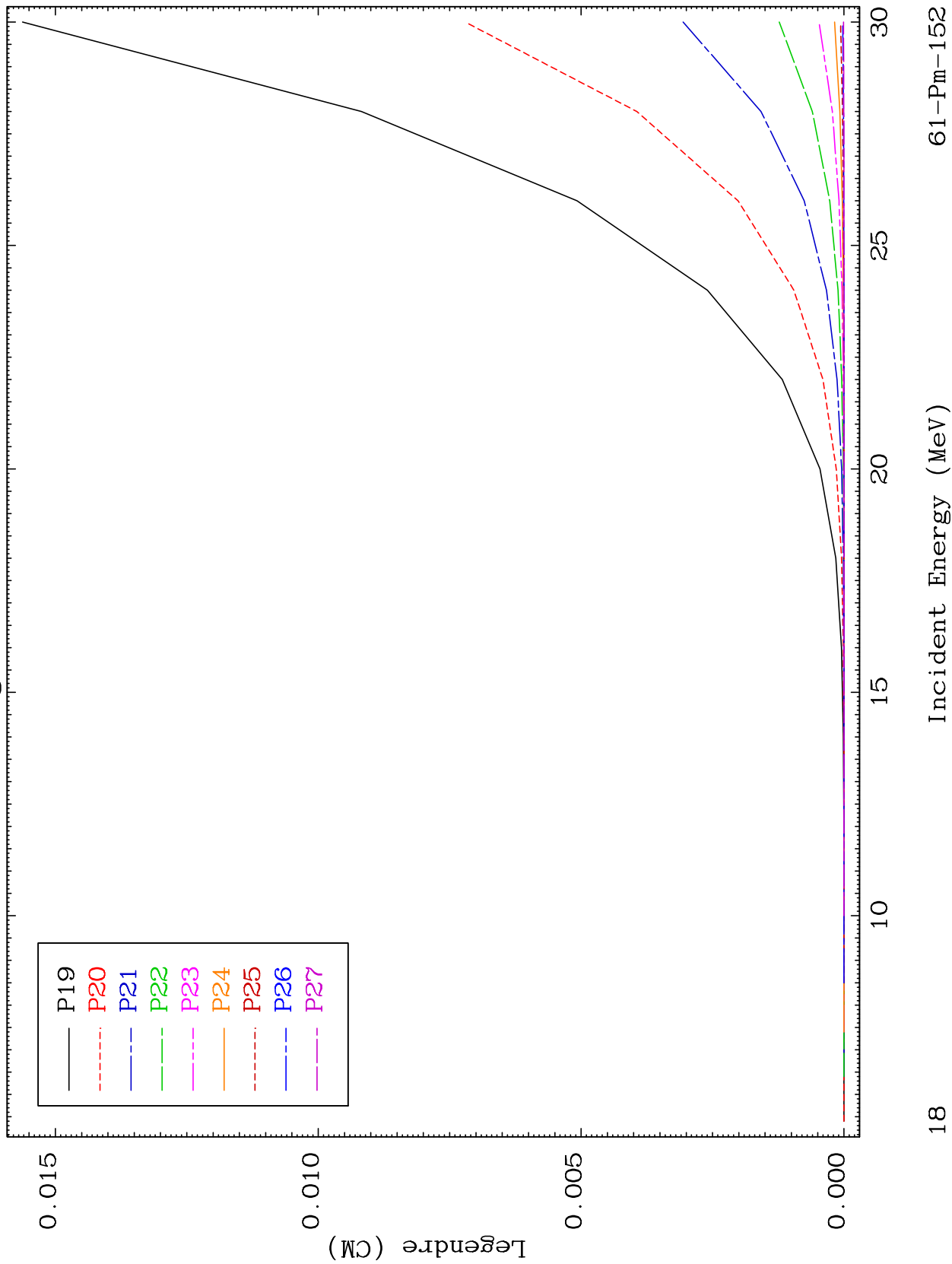
Incident Energy (MeV)

61-Pm-152

MAT 6164

### Elastic Legendre Coefficients

61-Pm-152



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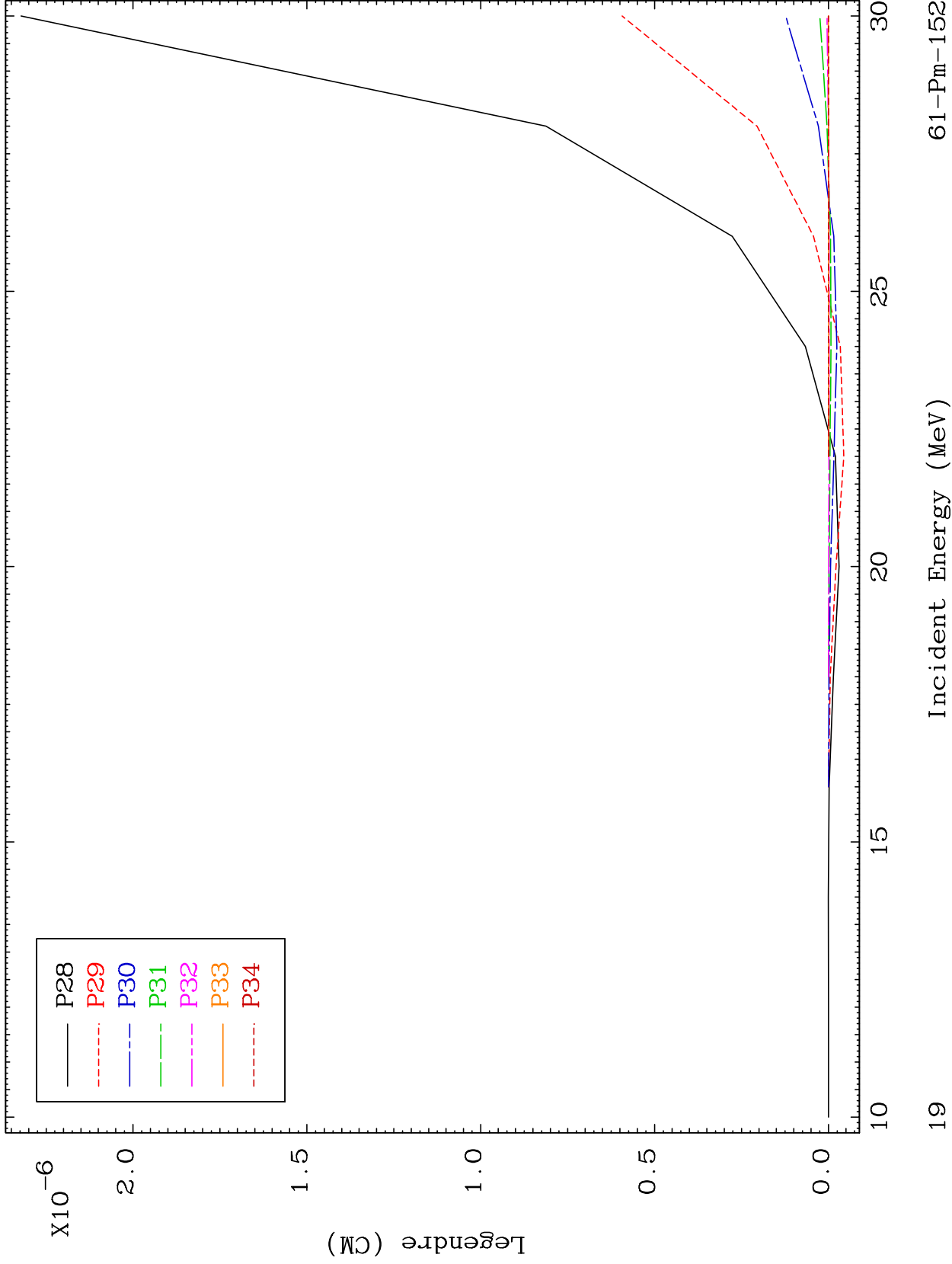
Incident Energy (MeV)

61-Pm-152

MAT 6164

Elastic  
Legendre Coefficients

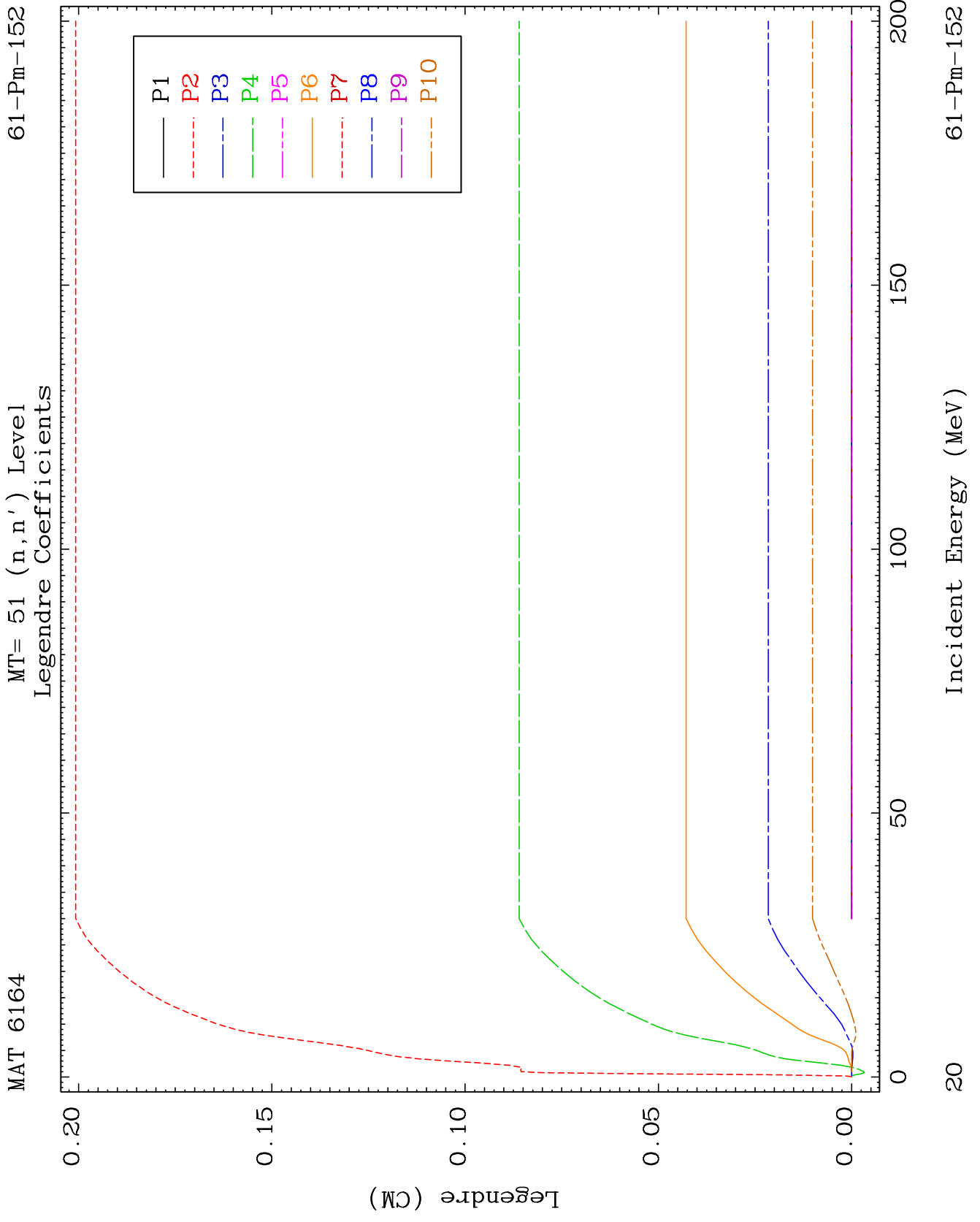
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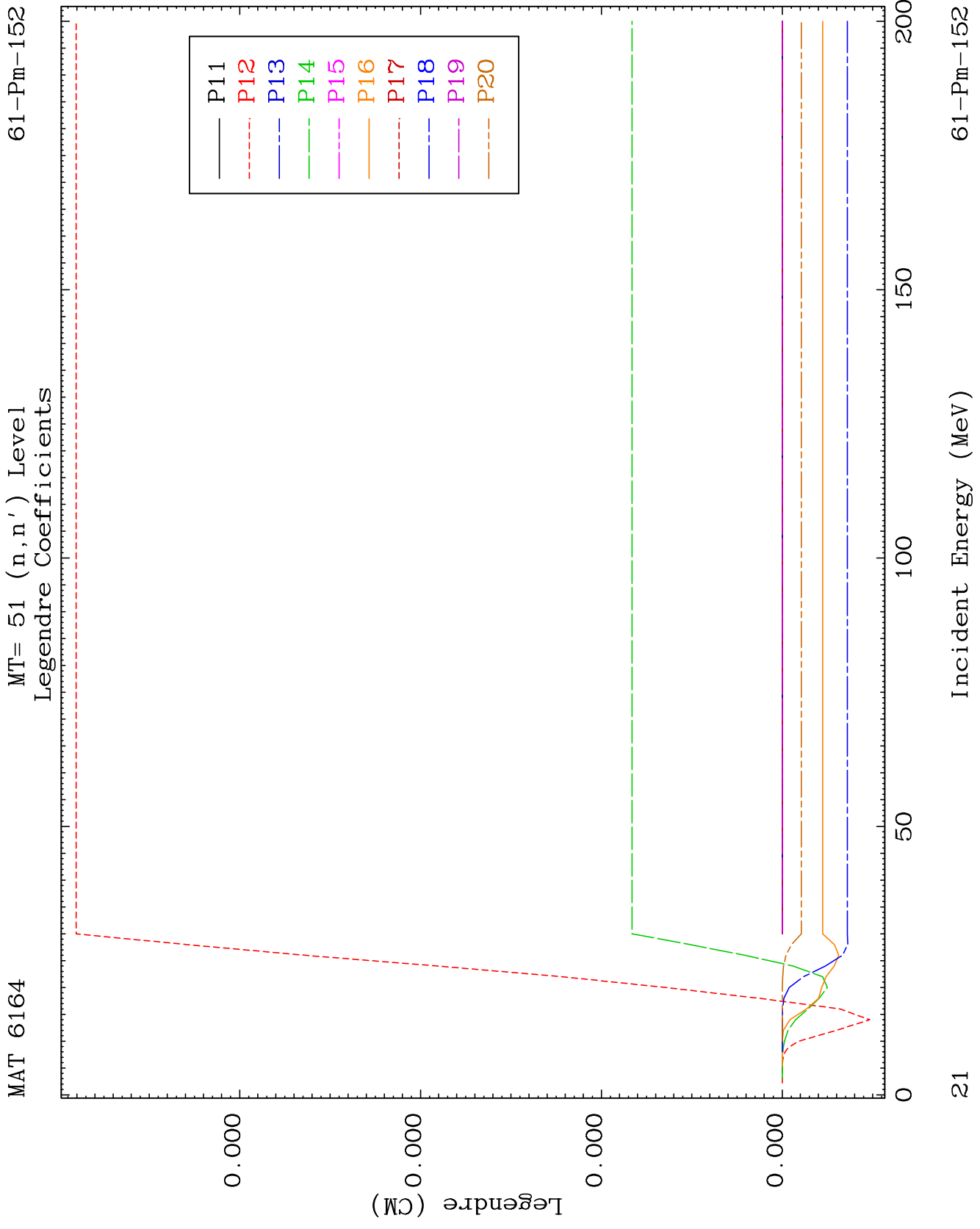


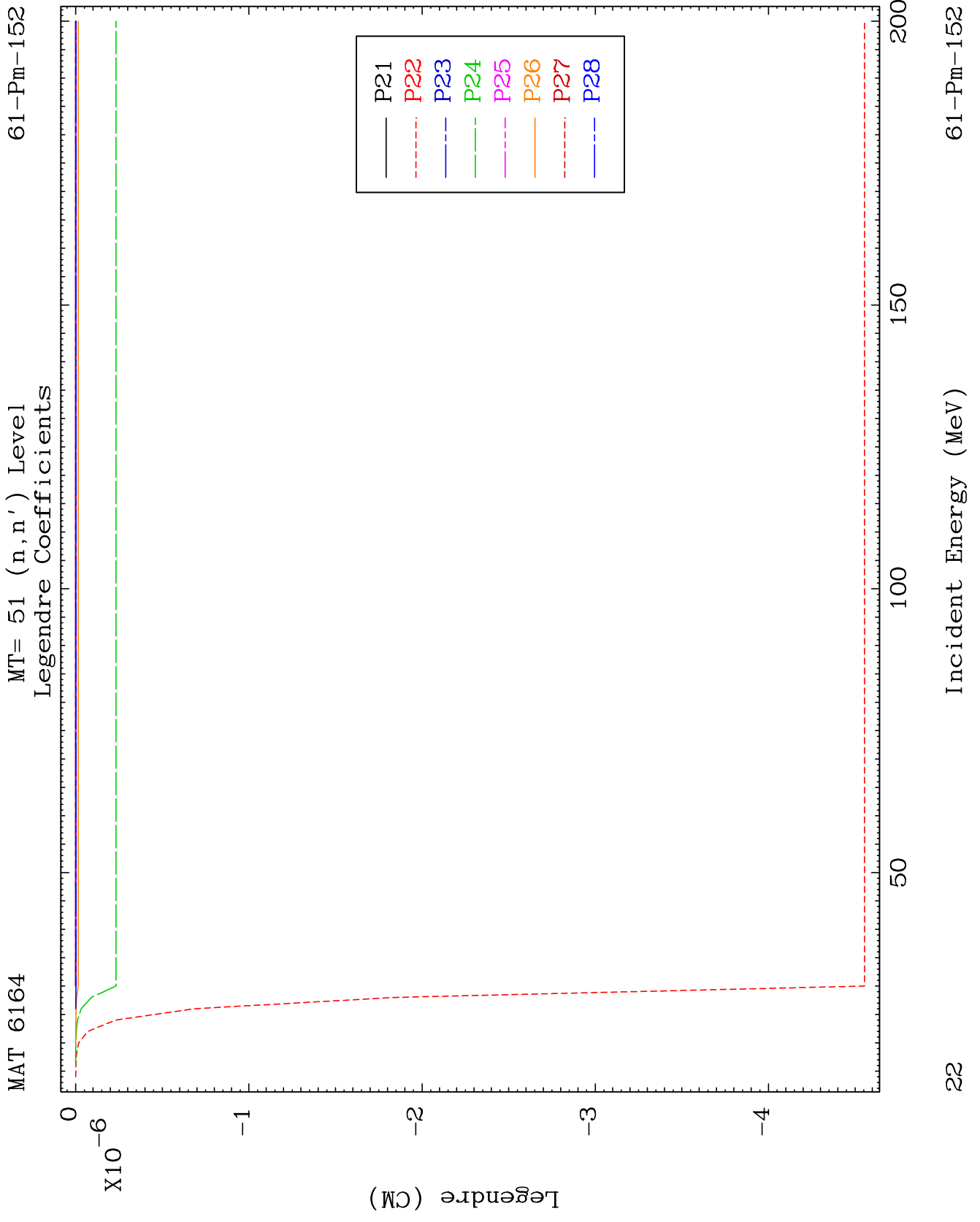
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Incident Energy (MeV)

61-Pm-152



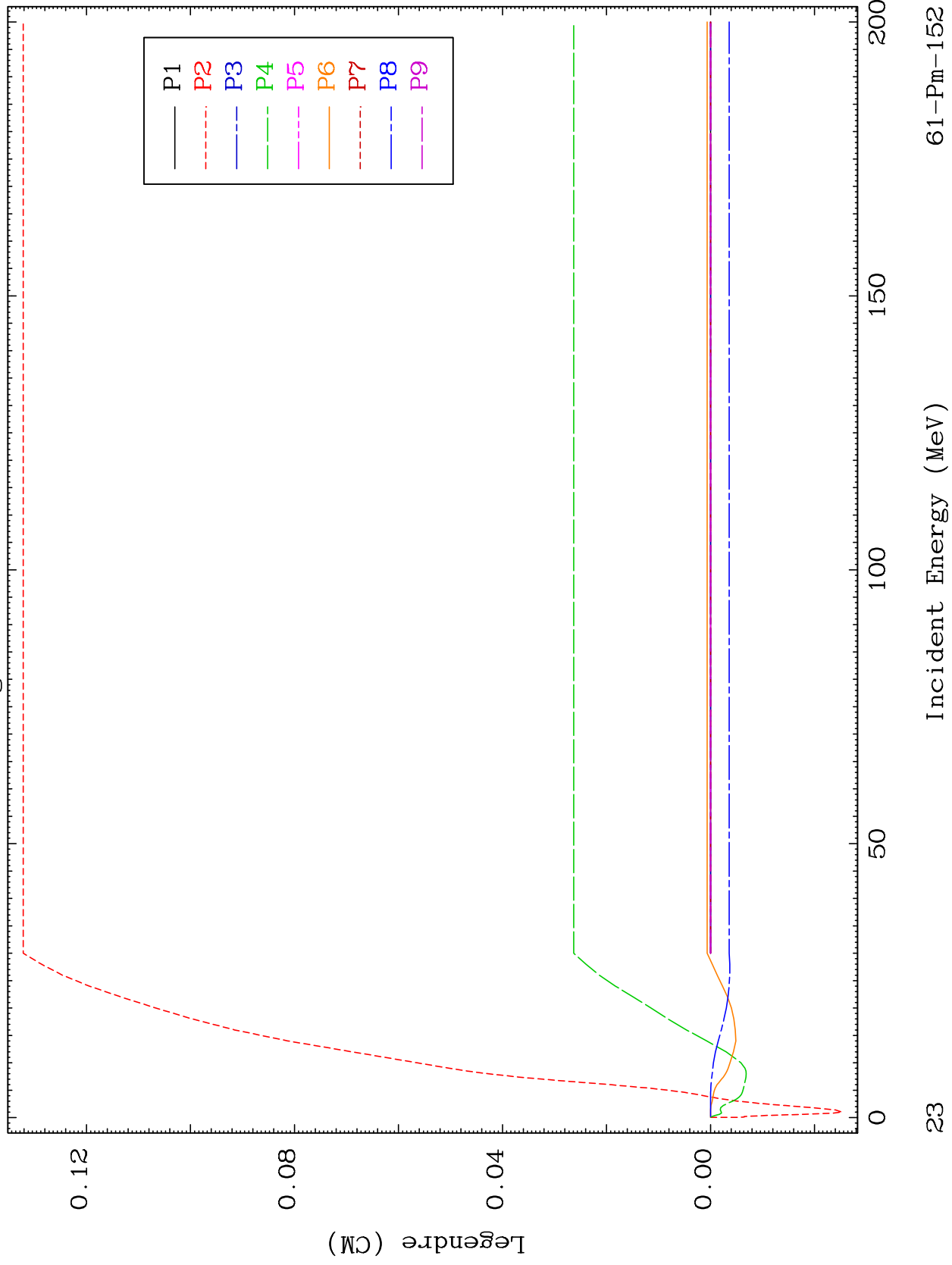




MAT 6164

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

61-Pm-152



61-Pm-152

Incident Energy (MeV)

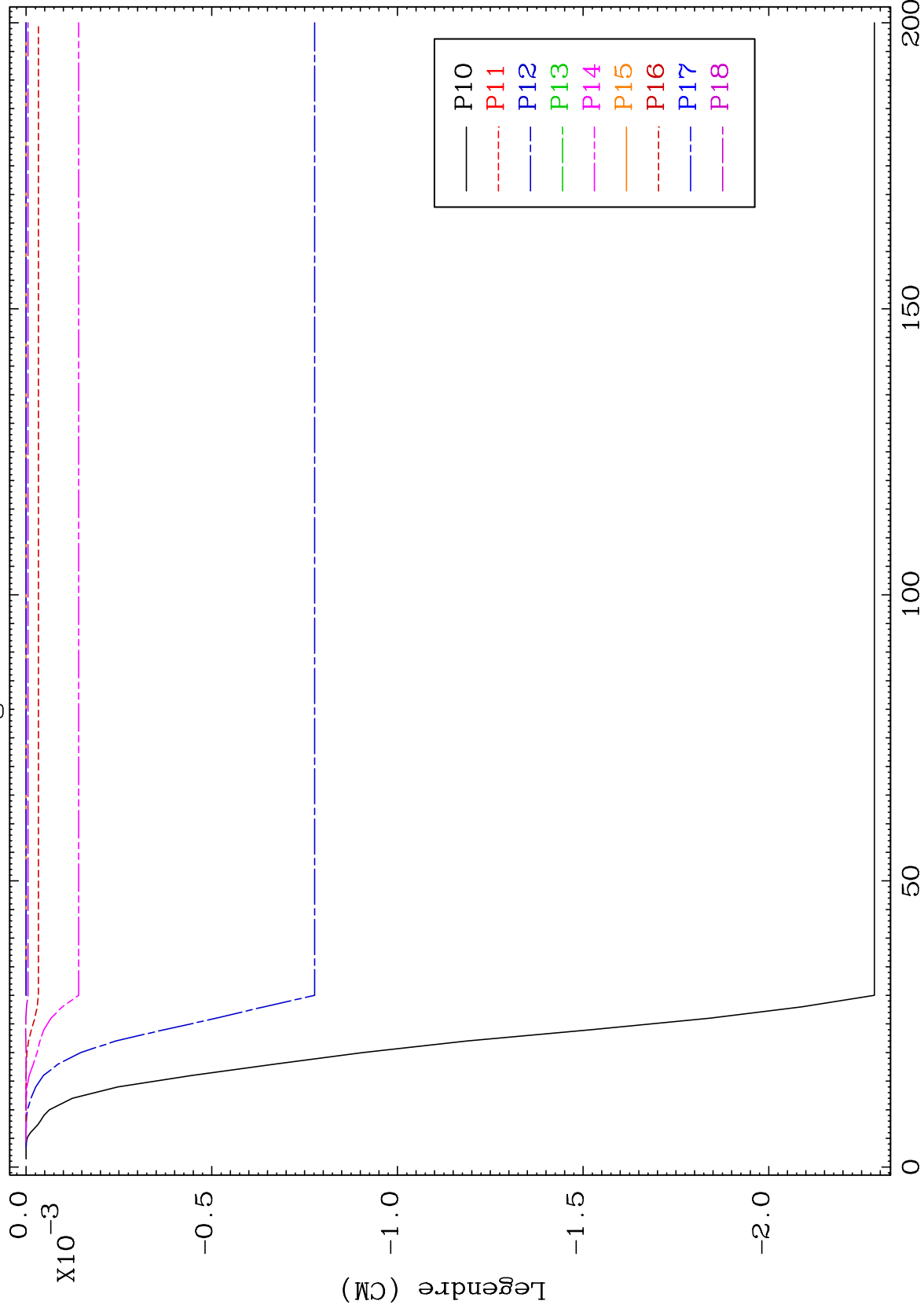
23



MAT 6164

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

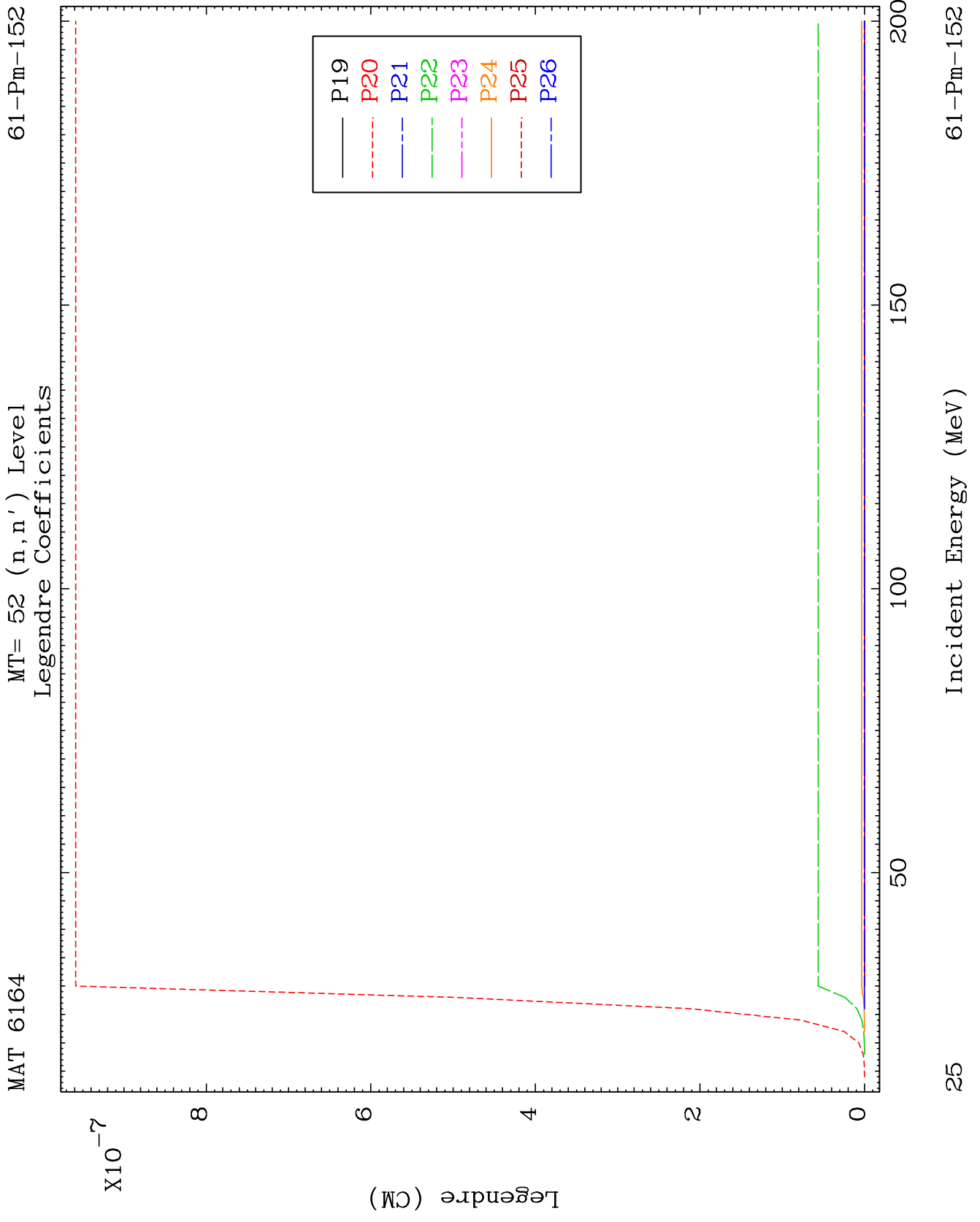
61-Pm-152



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Incident Energy (MeV)

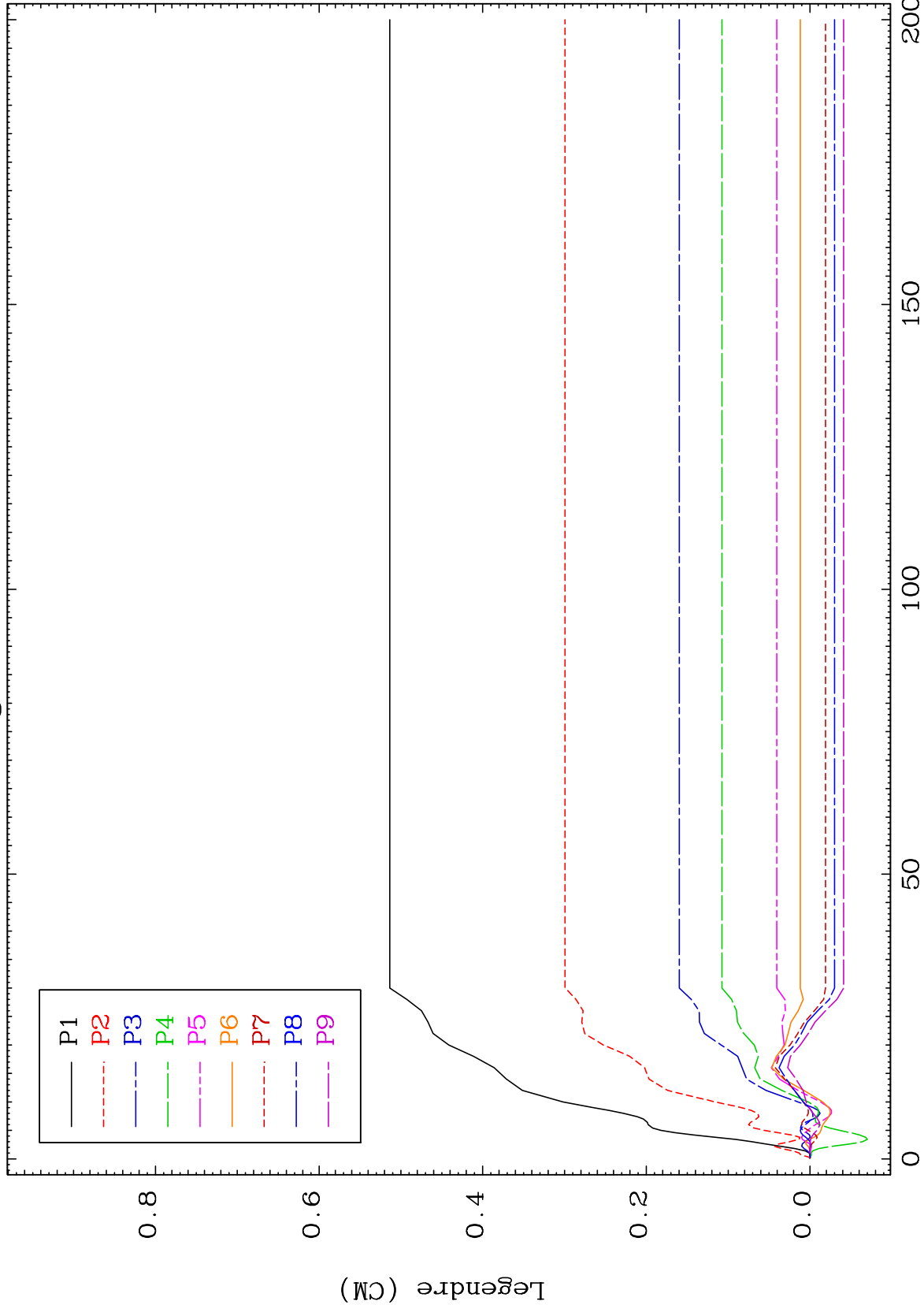
61-Pm-152



MAT 6164

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

61-Pm-152



26

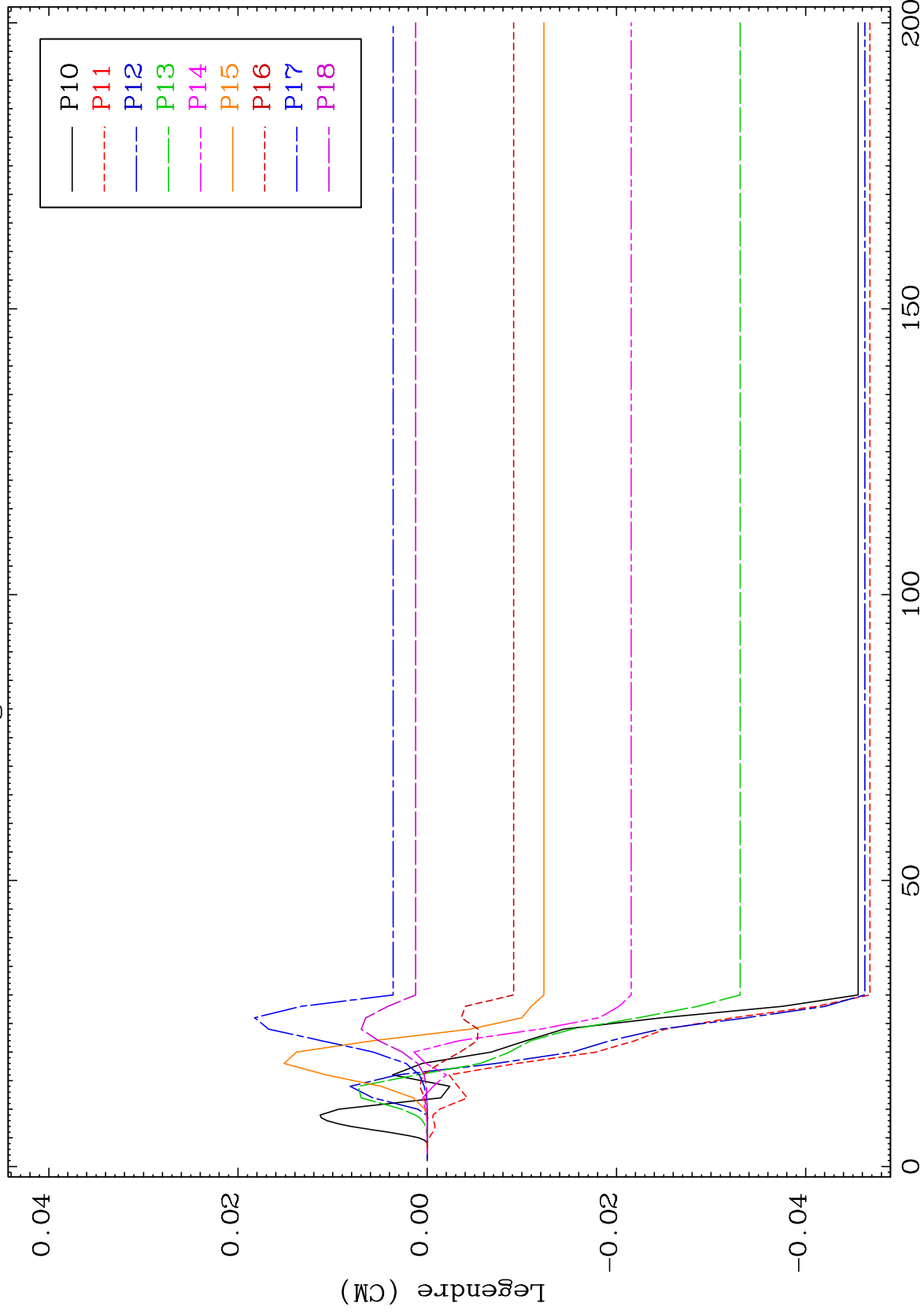
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152



27

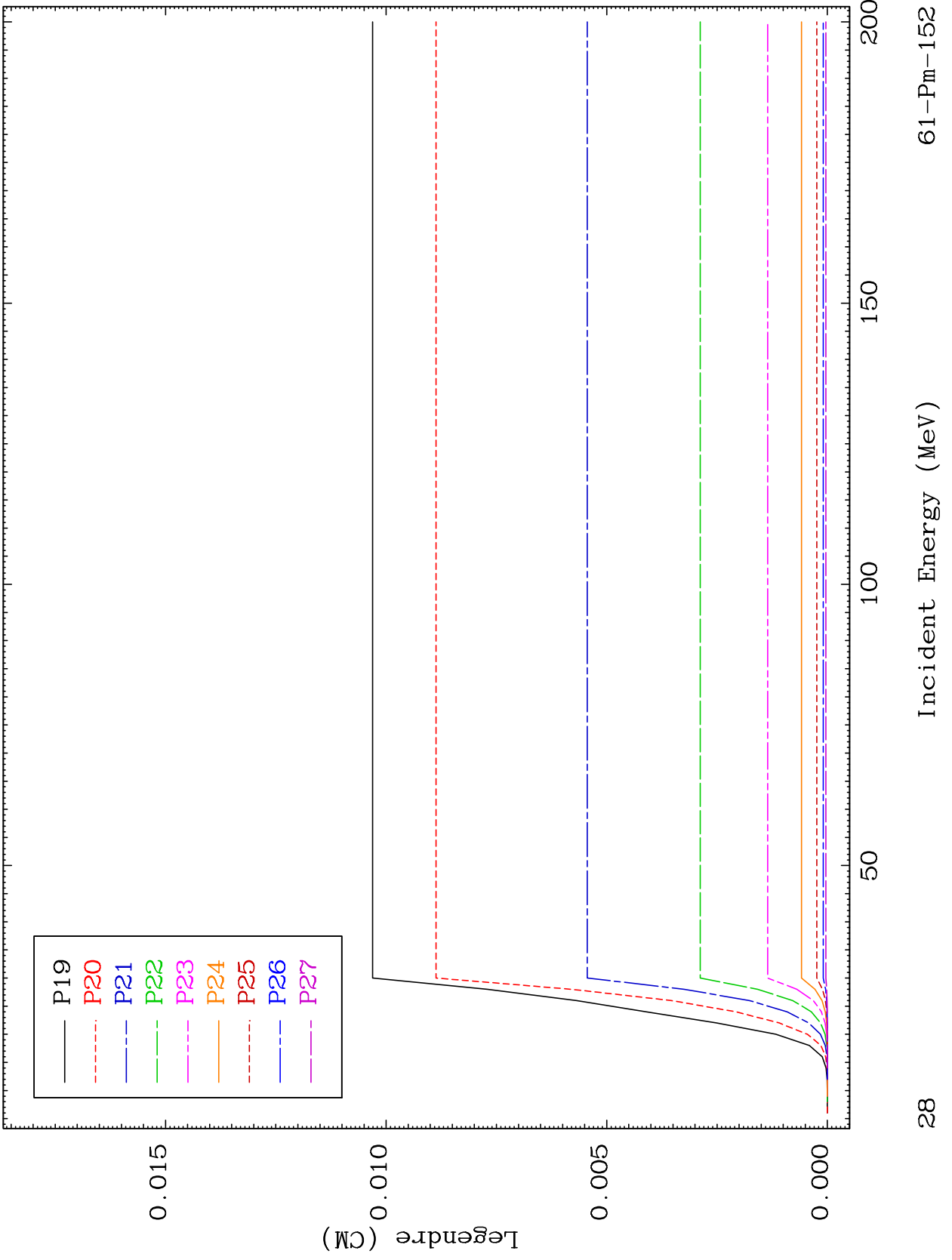
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152



28

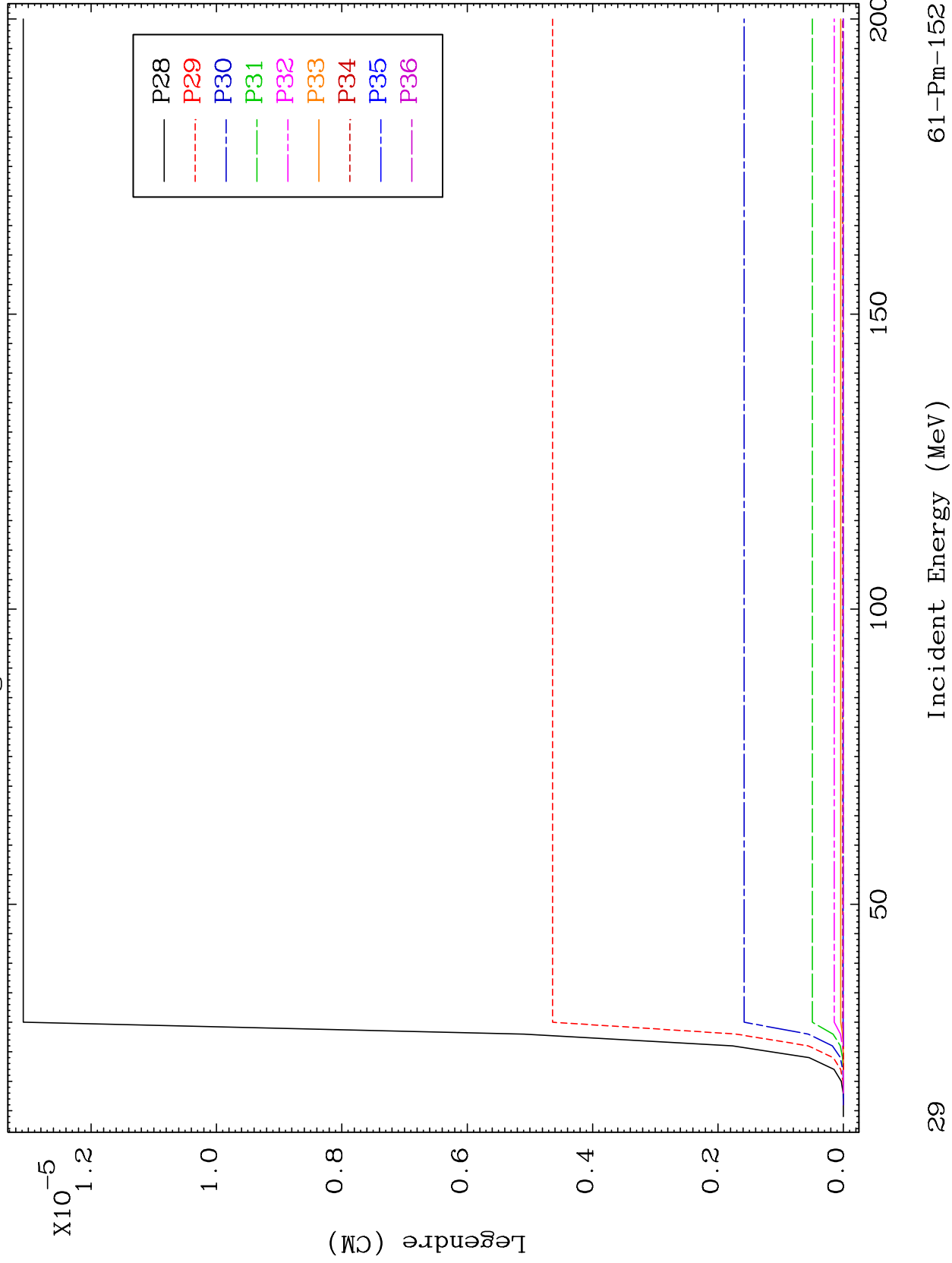
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152



29

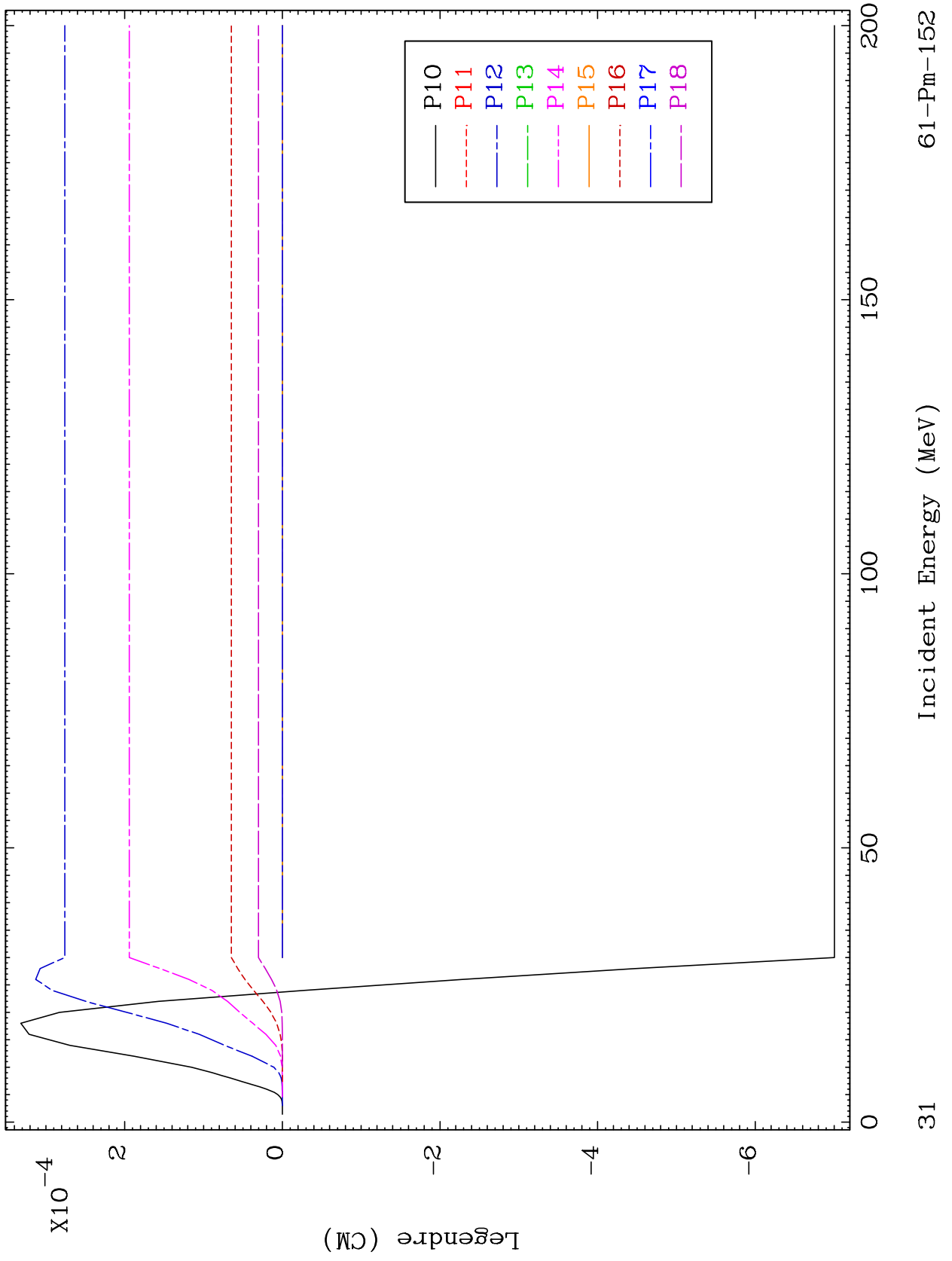
61-Pm-152



MAT 6164

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

61-Pm-152

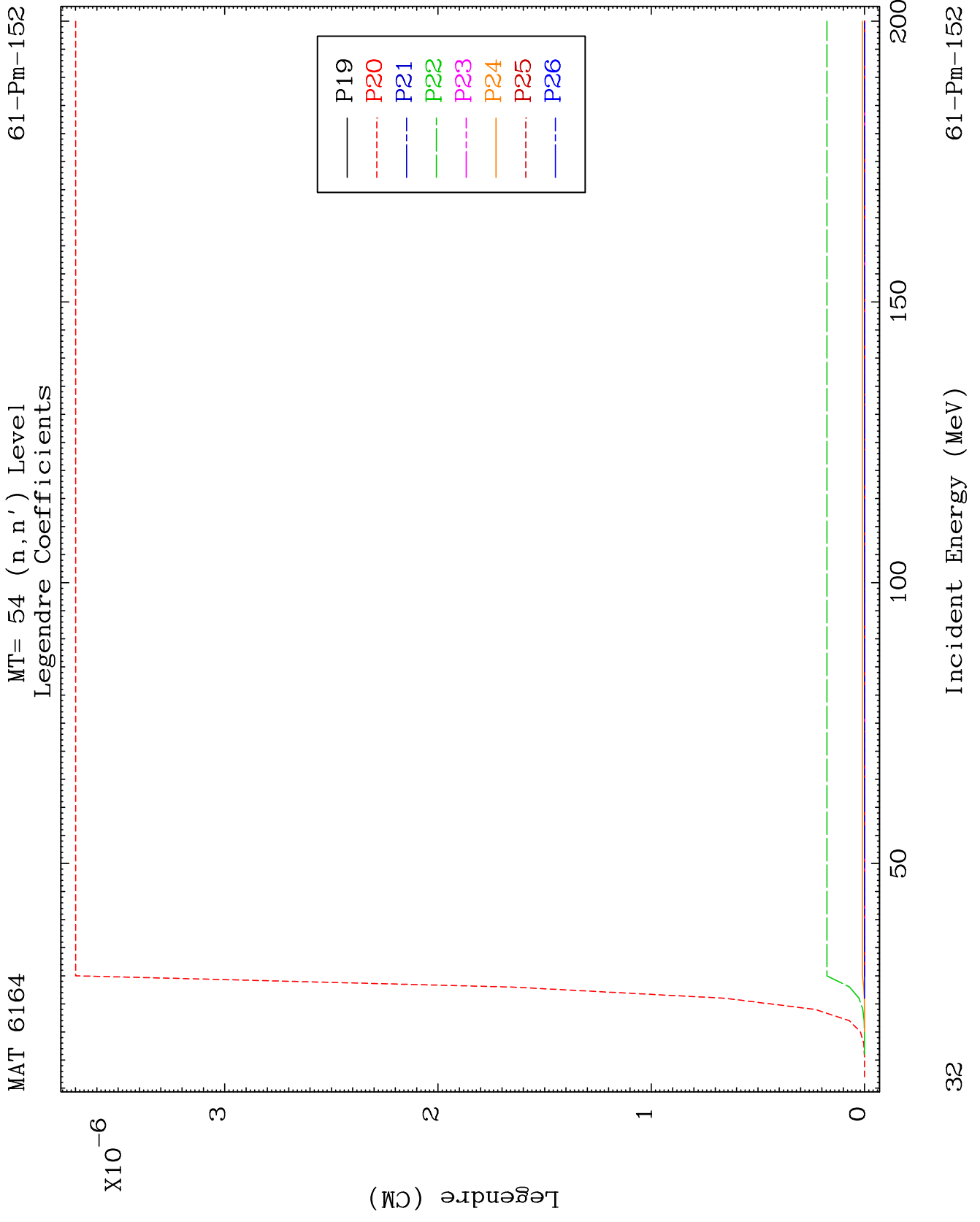


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Incident Energy (MeV)

61-Pm-152

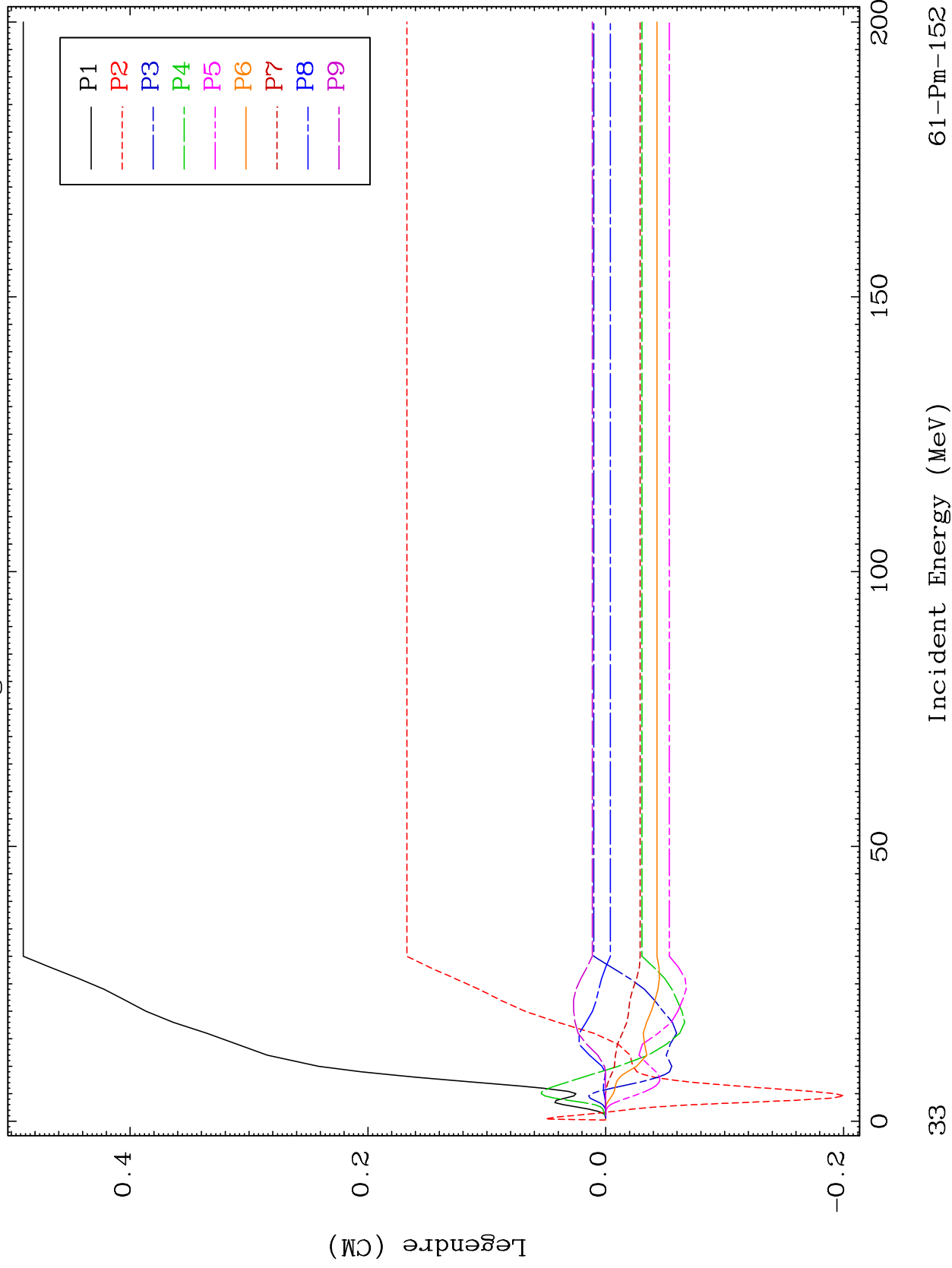




MAT 6164

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

61-Pm-152

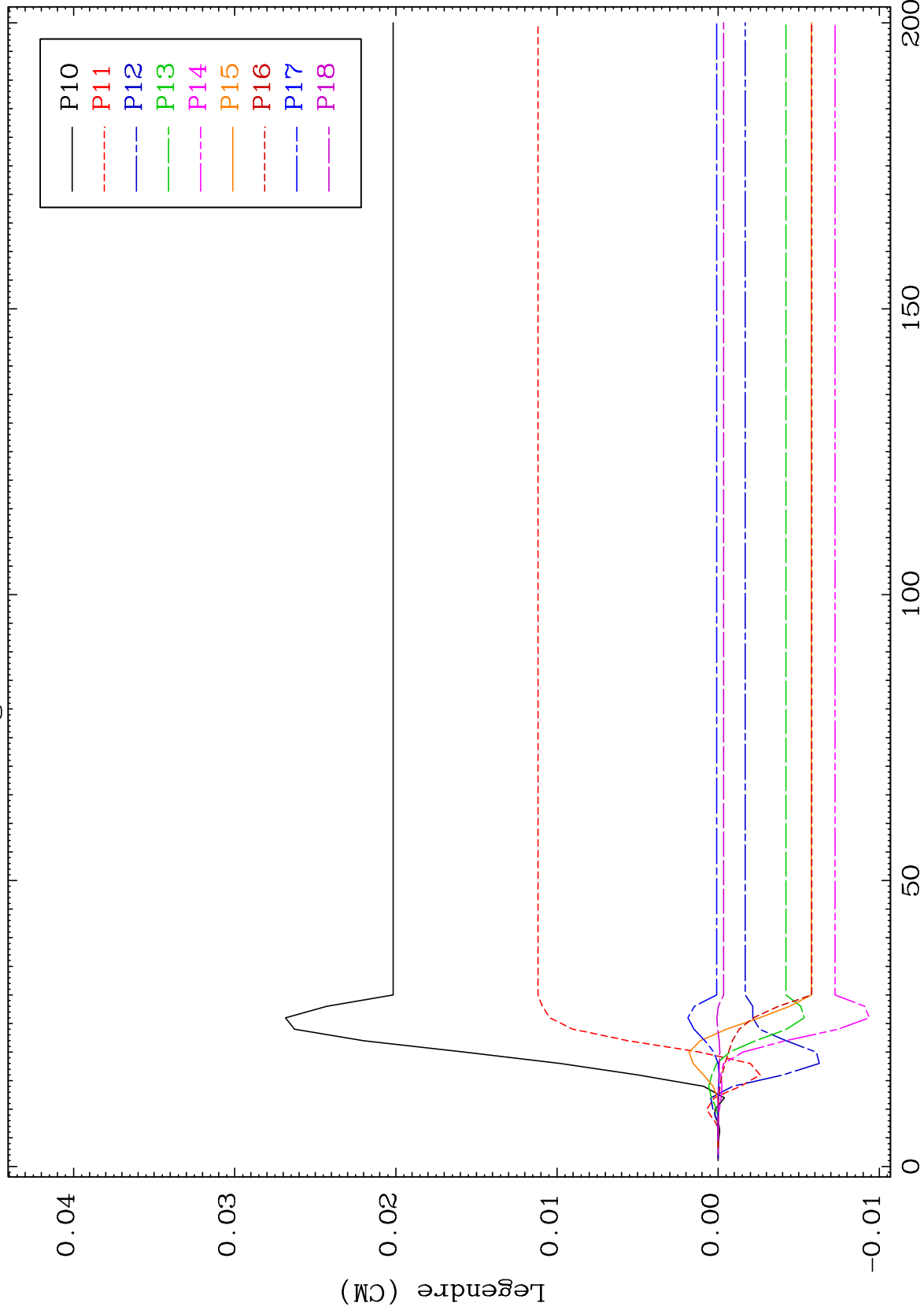


61-Pm-152

MAT 6164

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

61-Pm-152



34

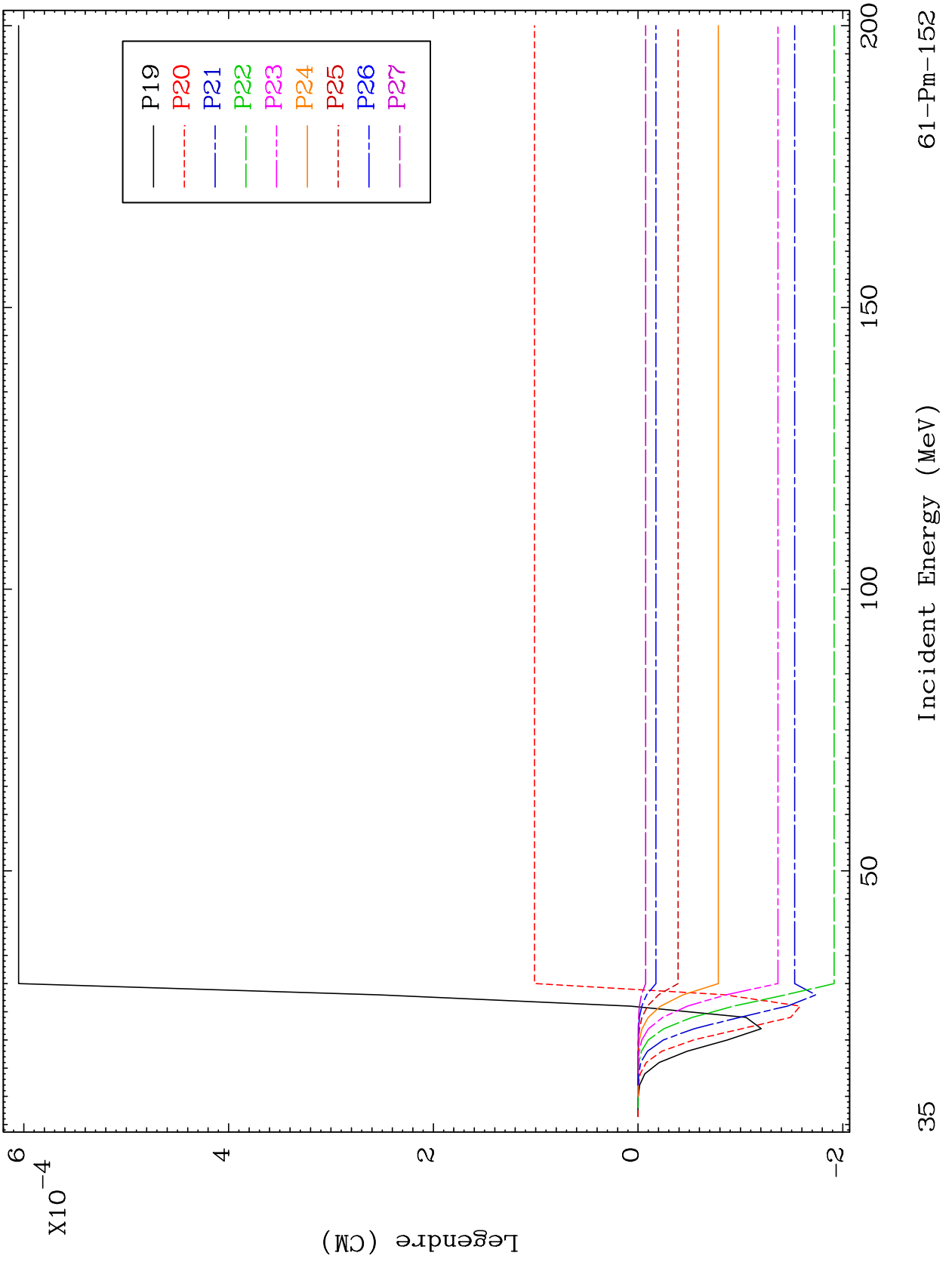
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152



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Incident Energy (MeV)

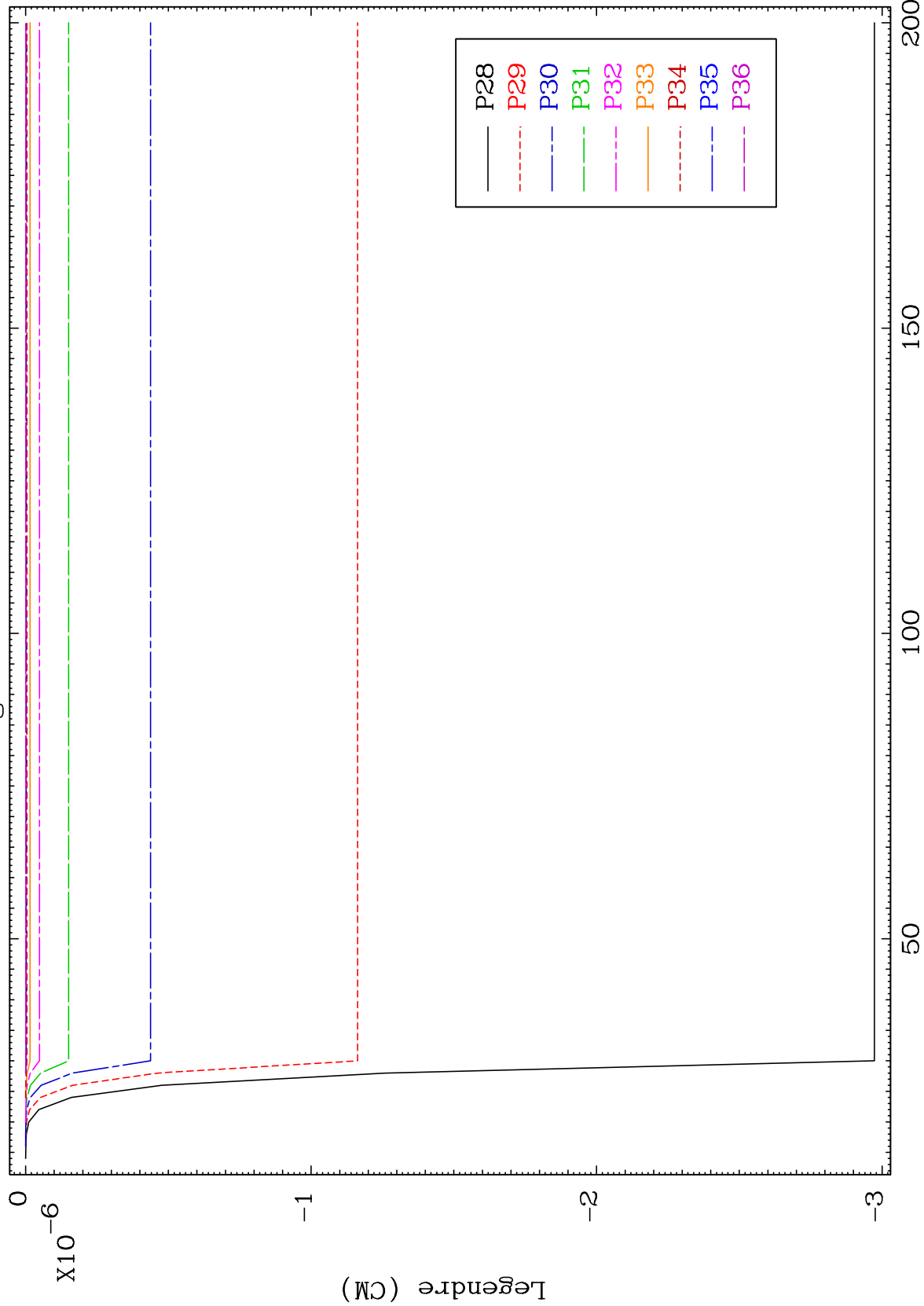
61-Pm-152

MAT 6164

MT= 55 (n,n') Level

61-Pm-152

Legendre Coefficients



61-Pm-152

Incident Energy (MeV)

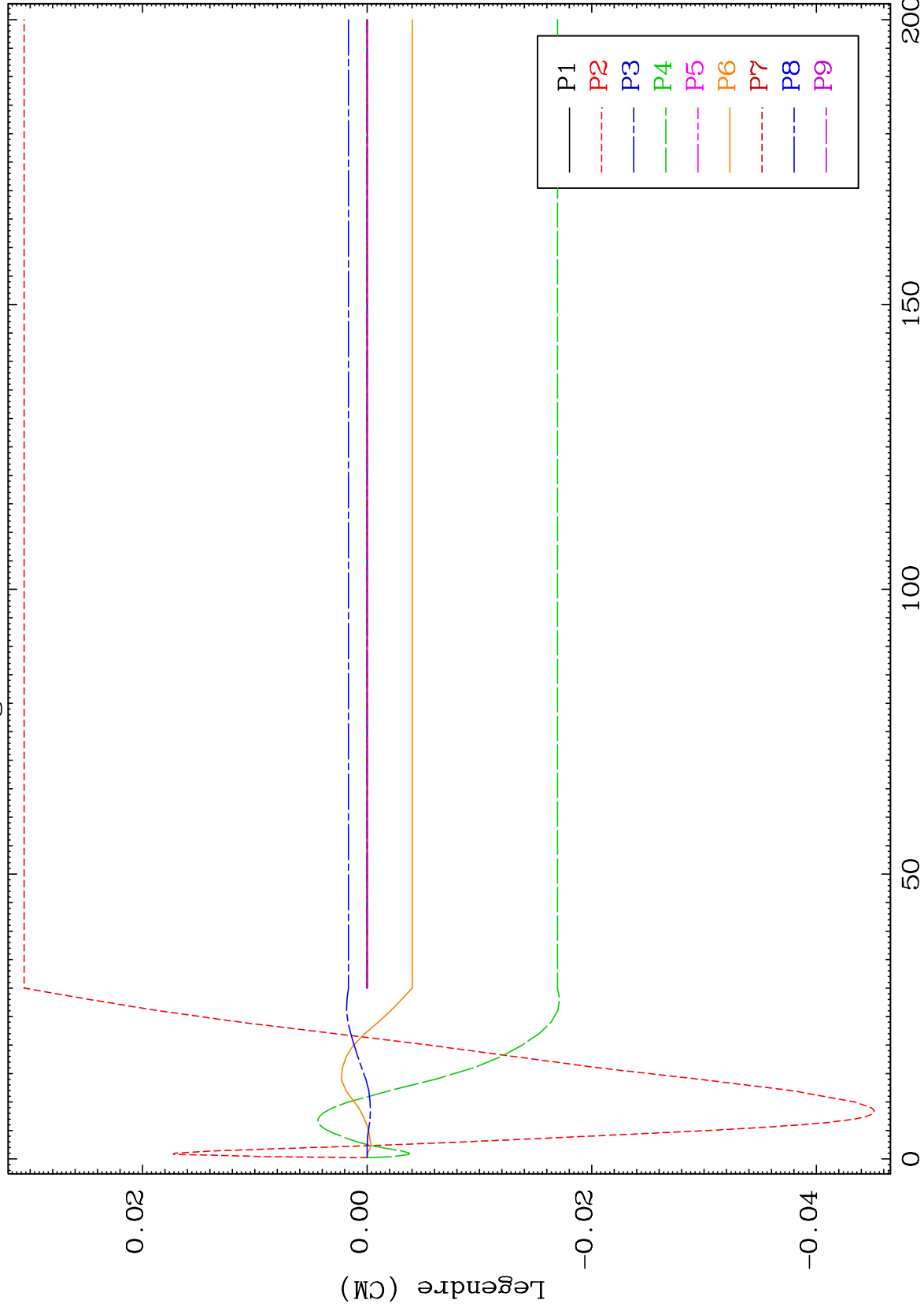
36

MAT 6164

MT= 56 (n,n') Level

61-Pm-152

Legendre Coefficients



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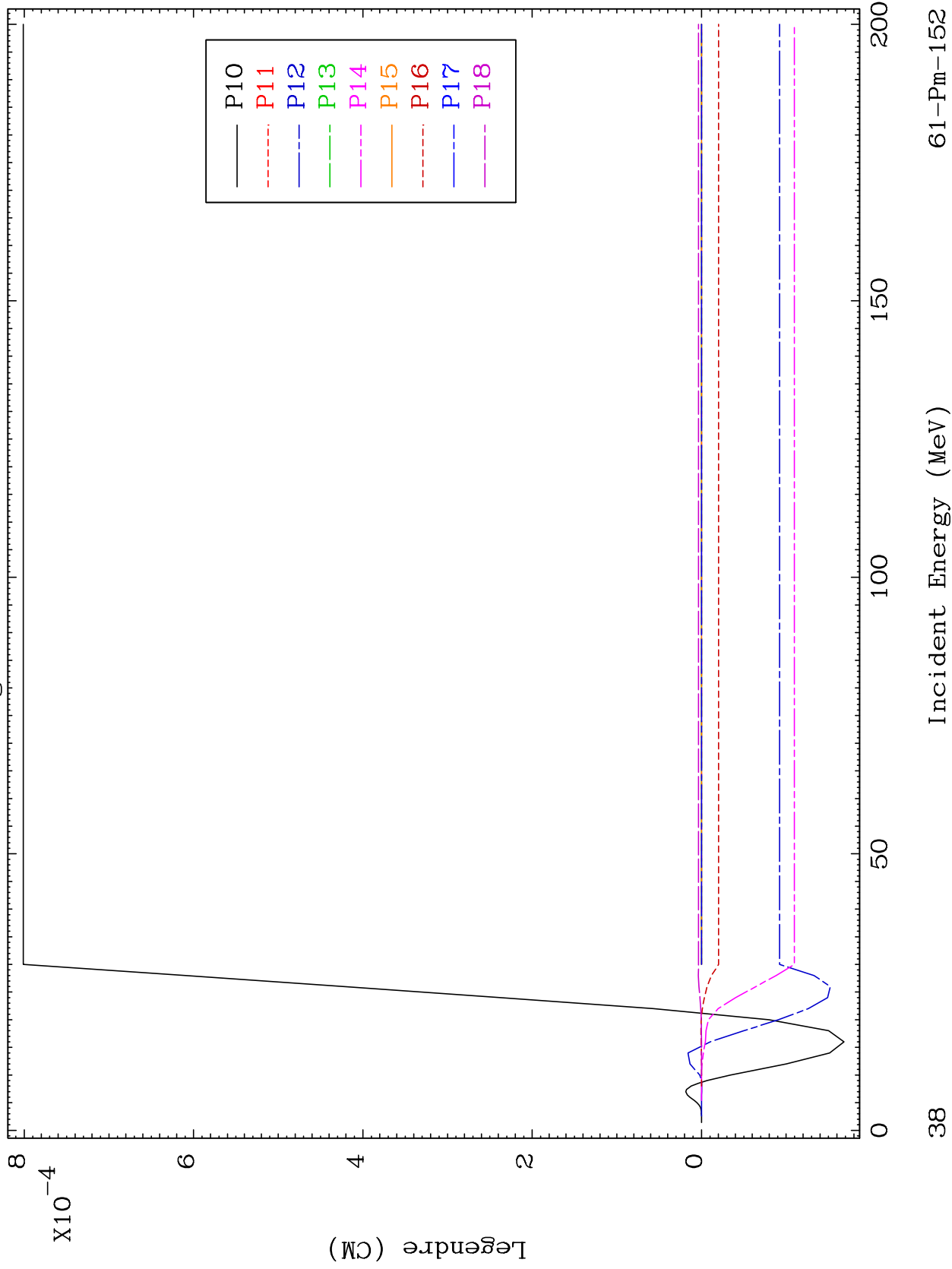
Incident Energy (MeV)

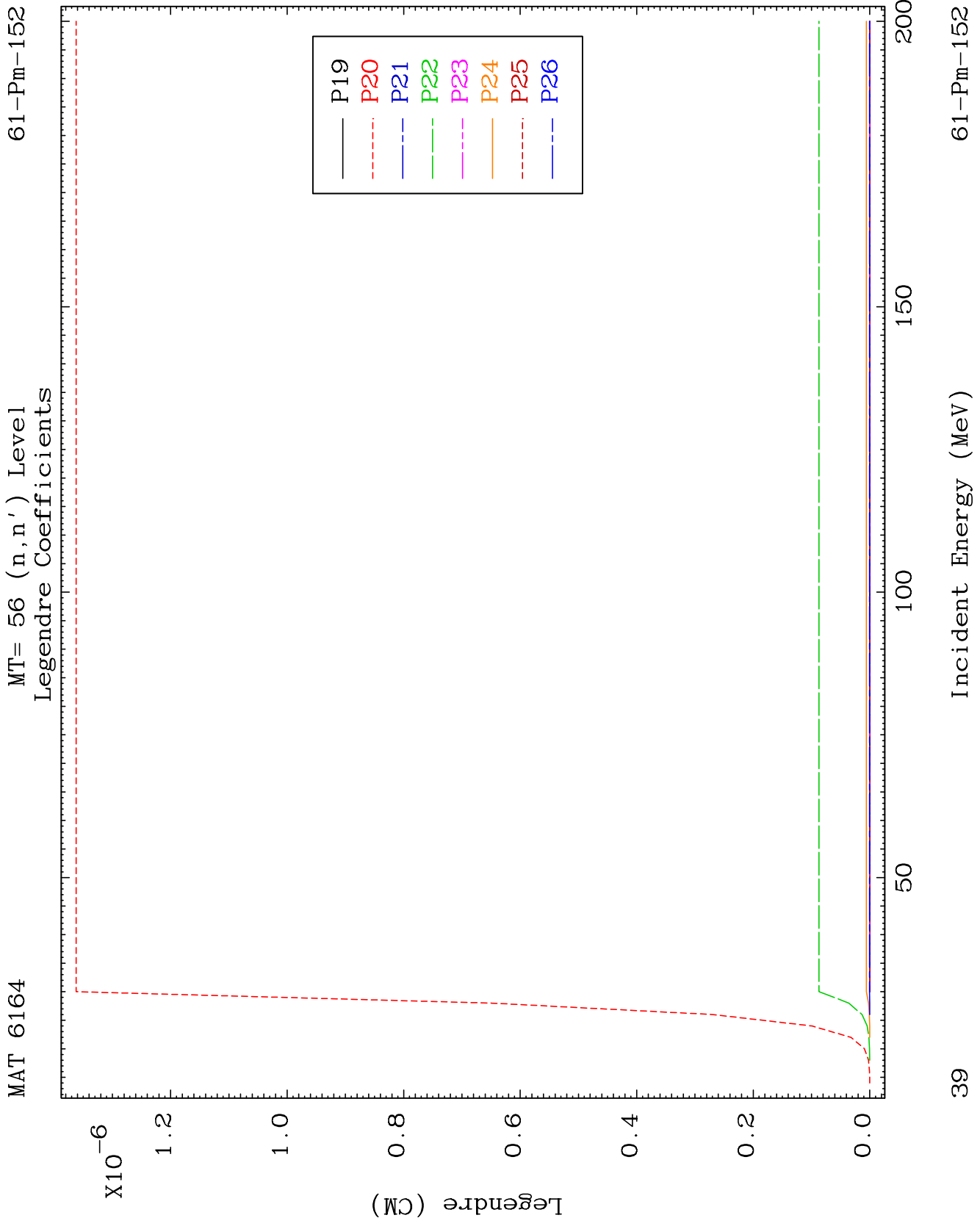
61-Pm-152

MAT 6164

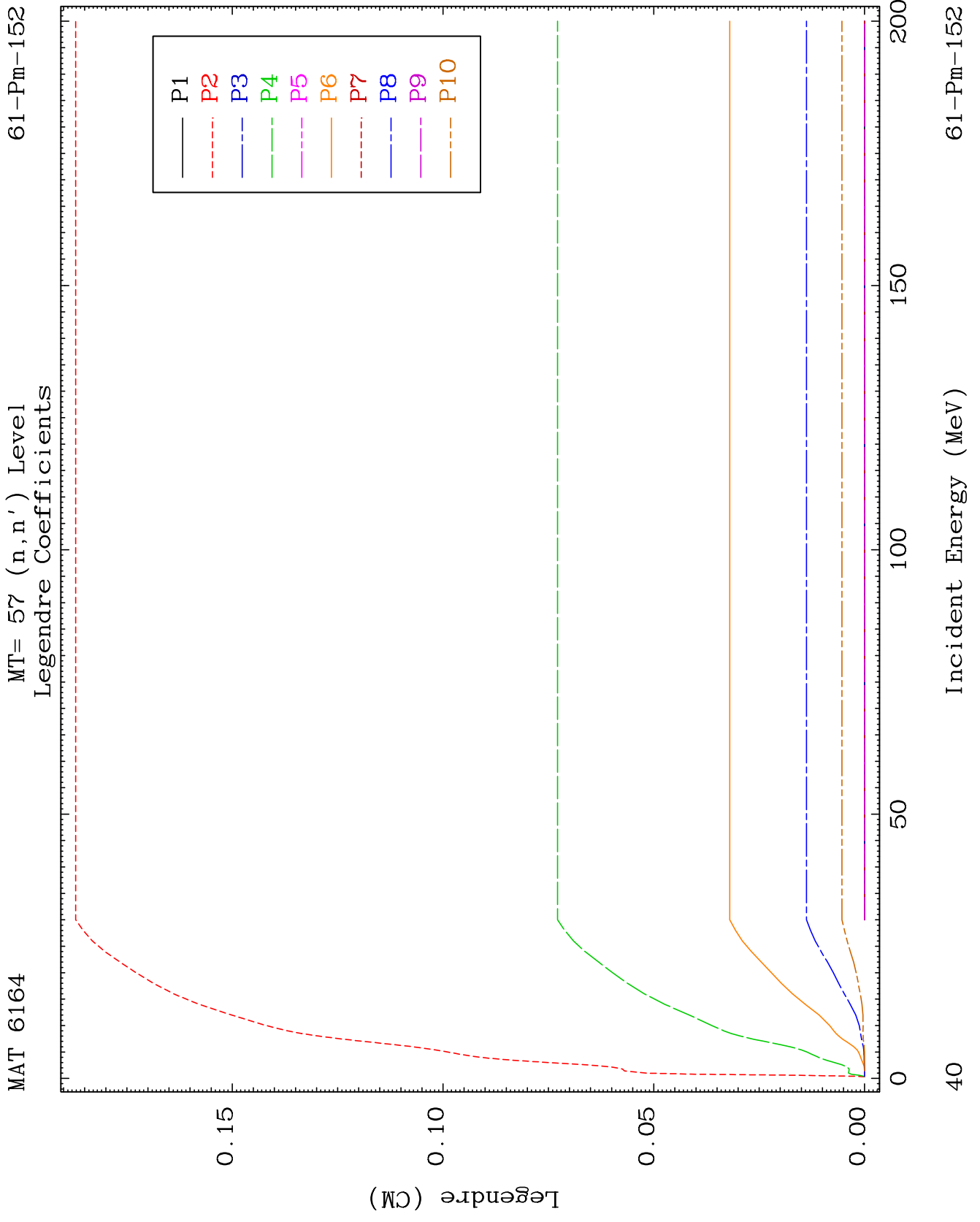
MT= 56 (n,n') Level  
Legendre Coefficients

61-Pm-152





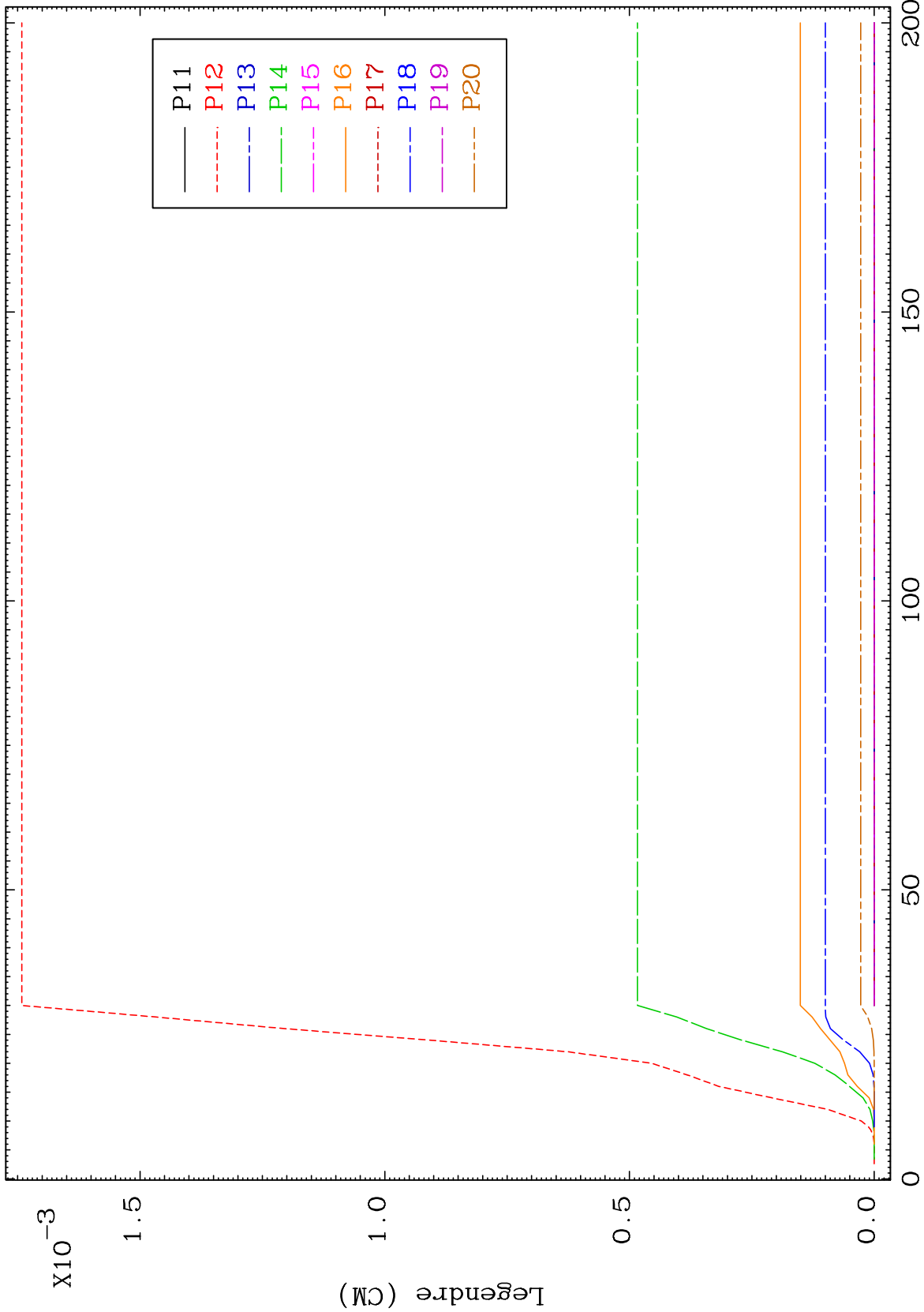




MAT 6164

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

61-Pm-152



41

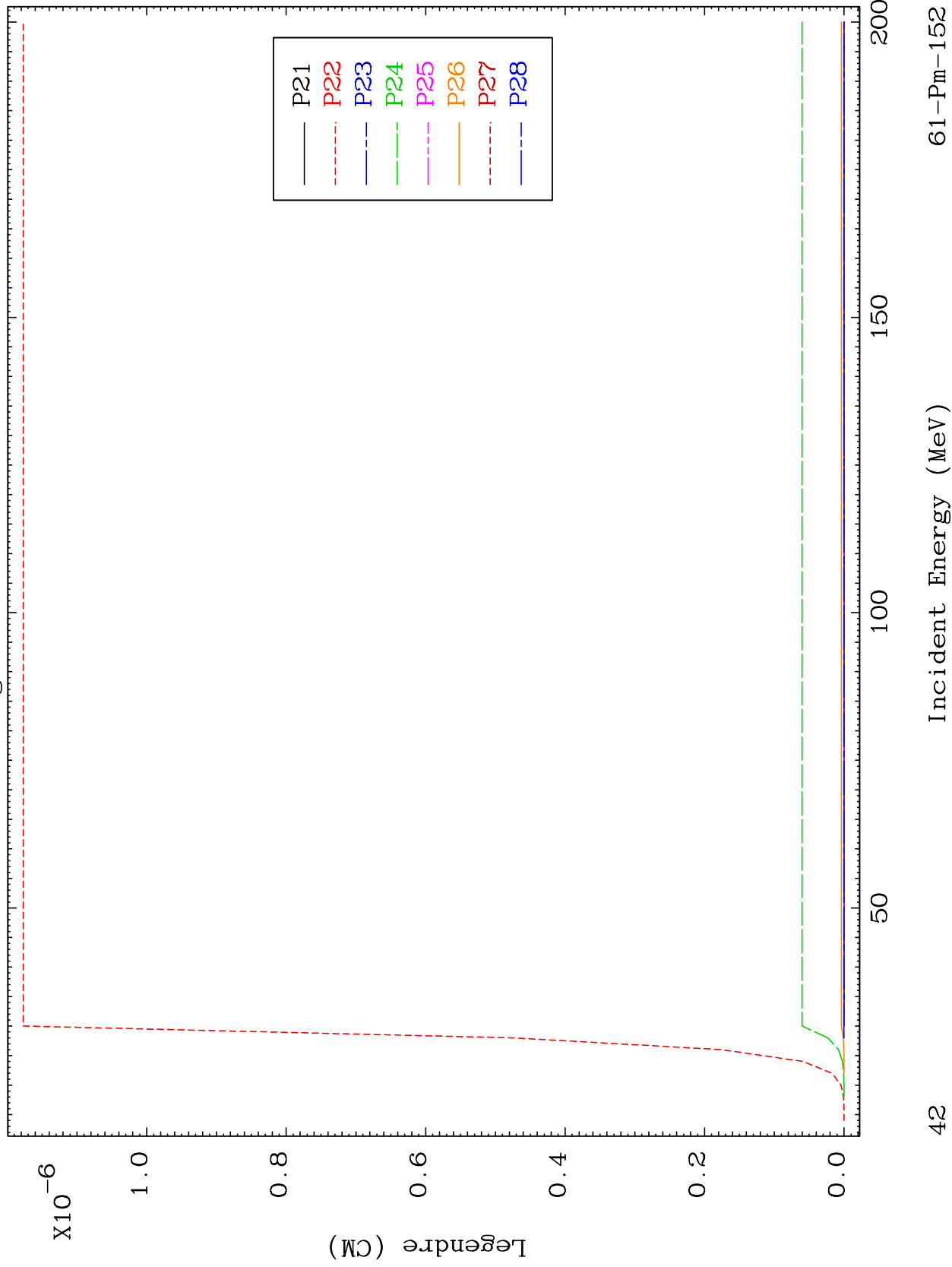
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

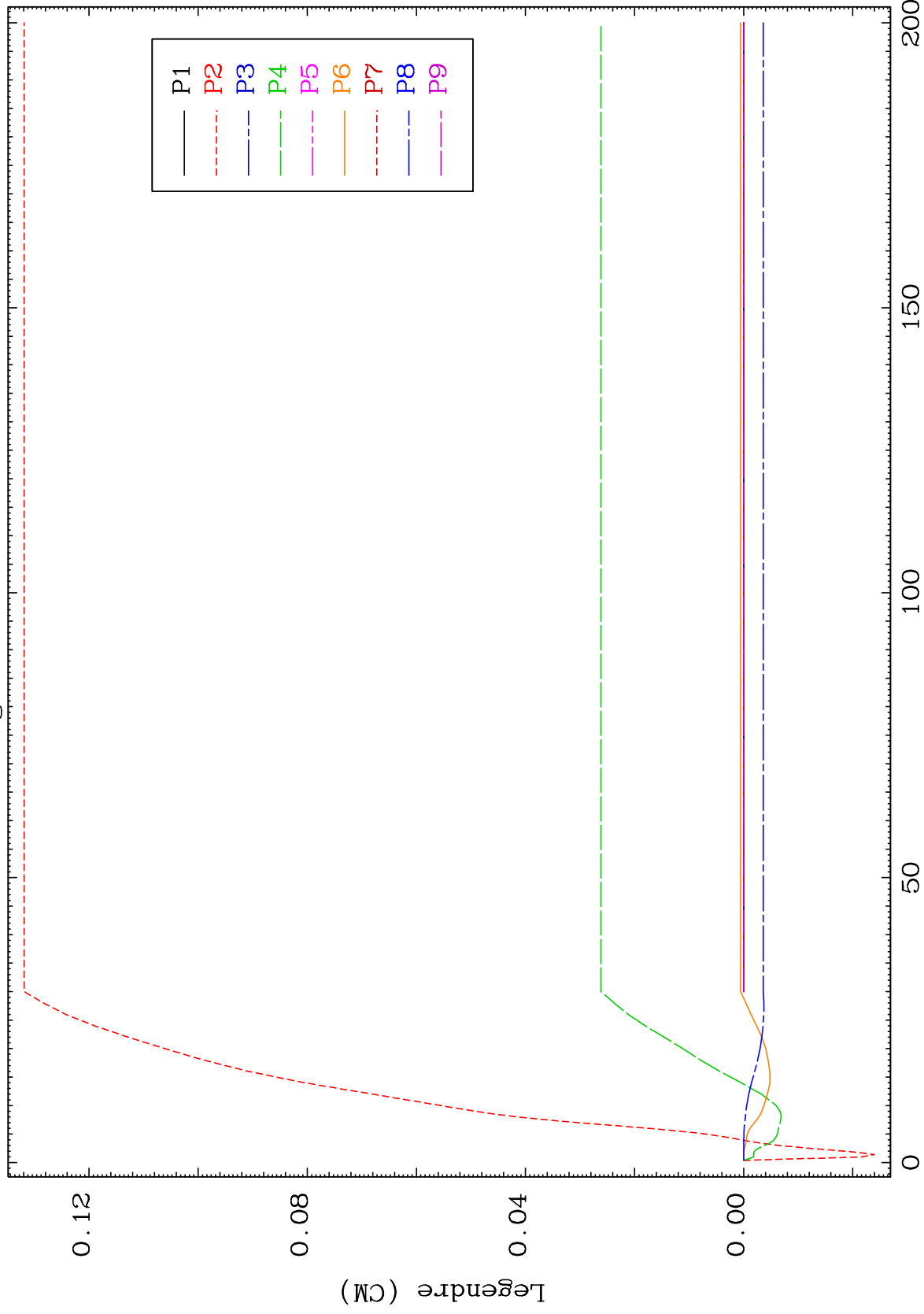
61-Pm-152



MAT 6164

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

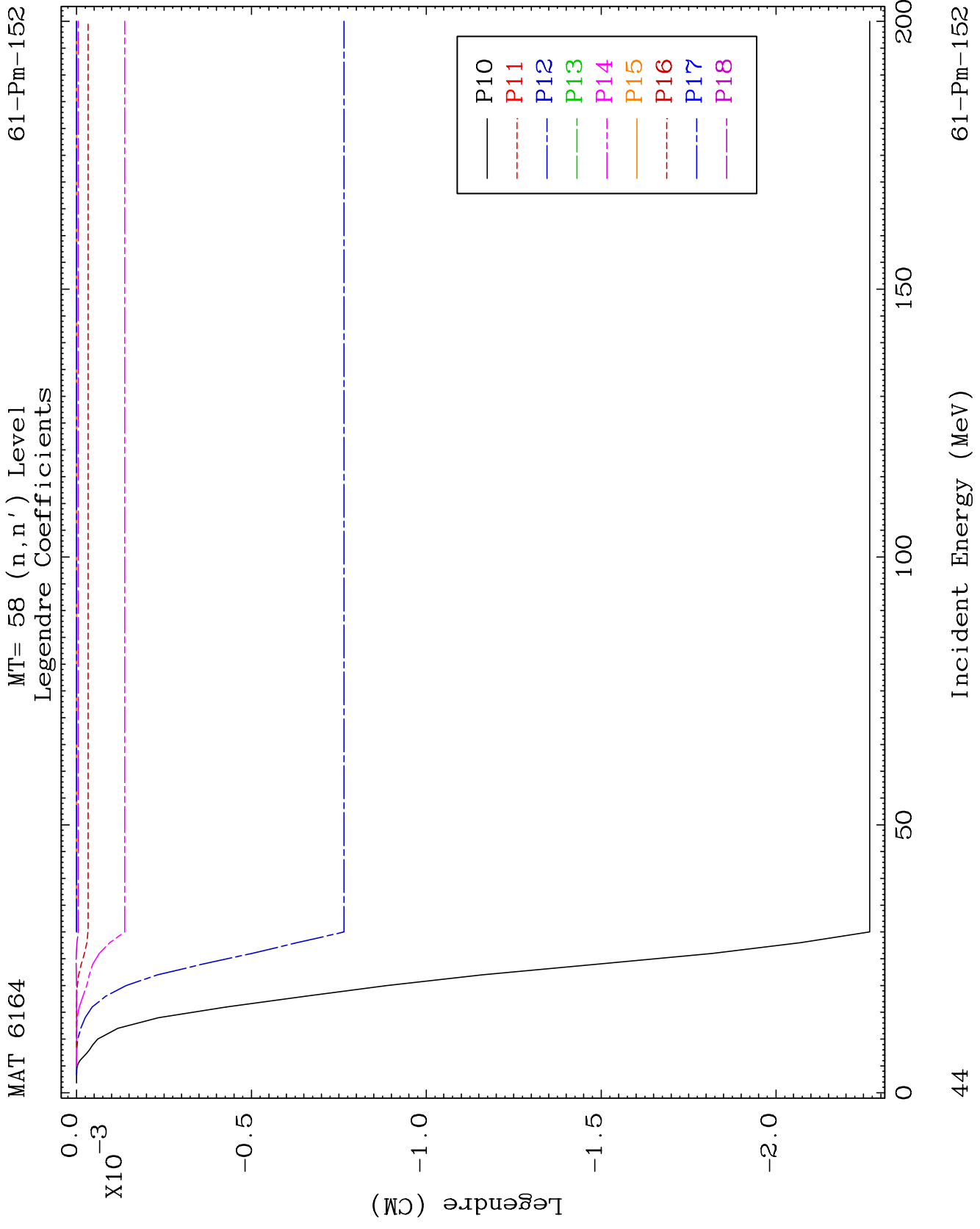
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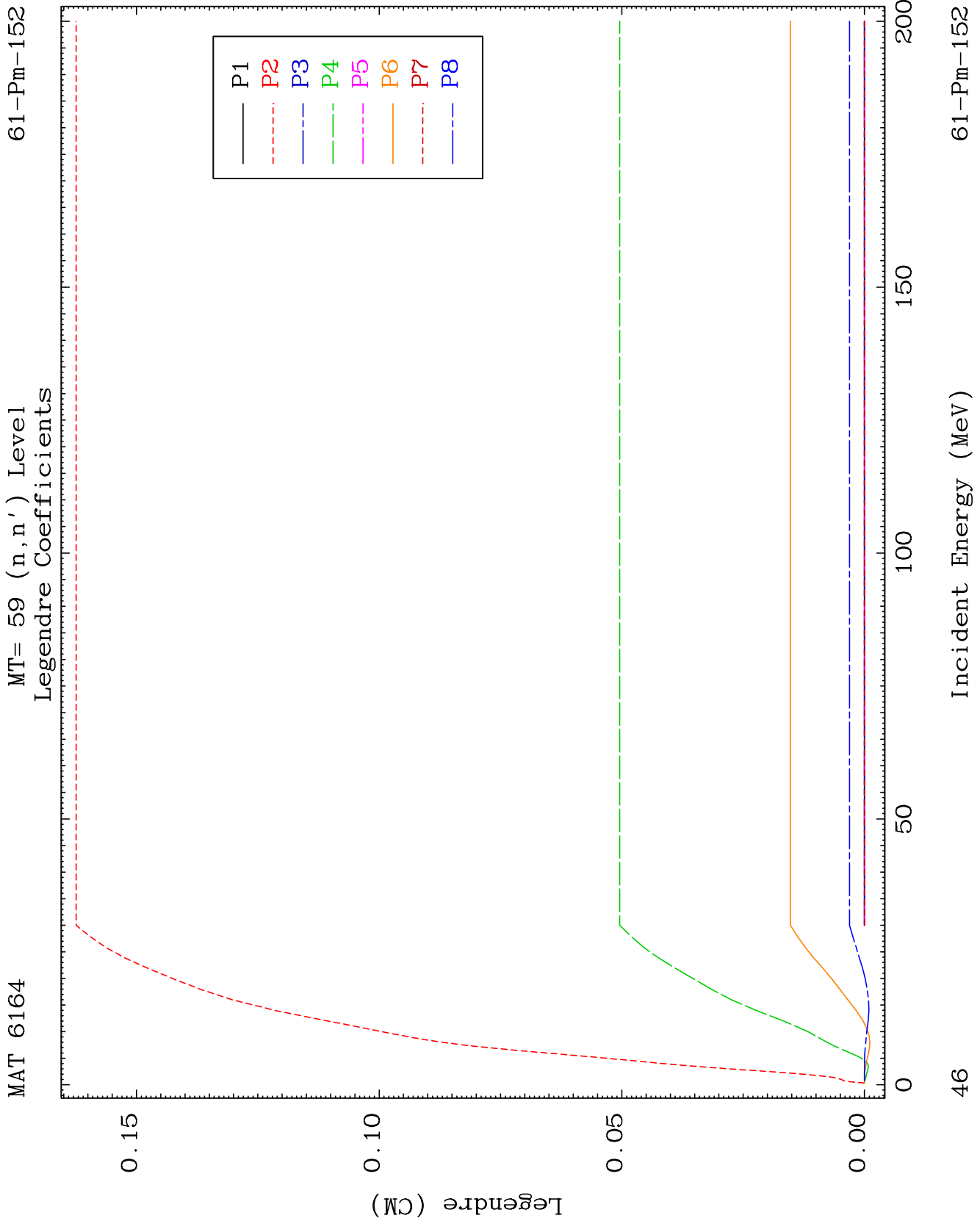
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Incident Energy (MeV)

61-Pm-152





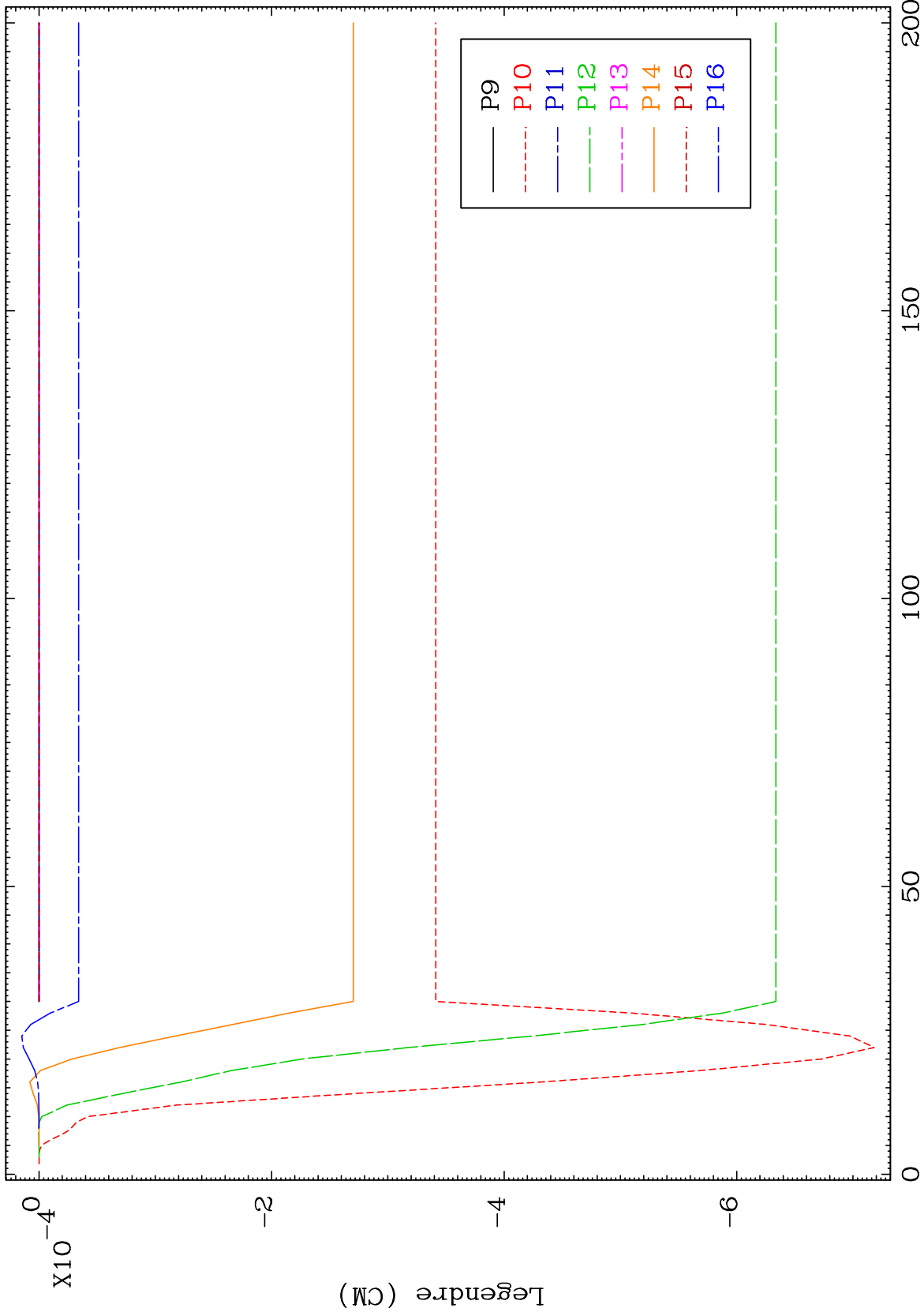


MAT 6164

MT= 59 (n,n') Level

61-Pm-152

Legendre Coefficients

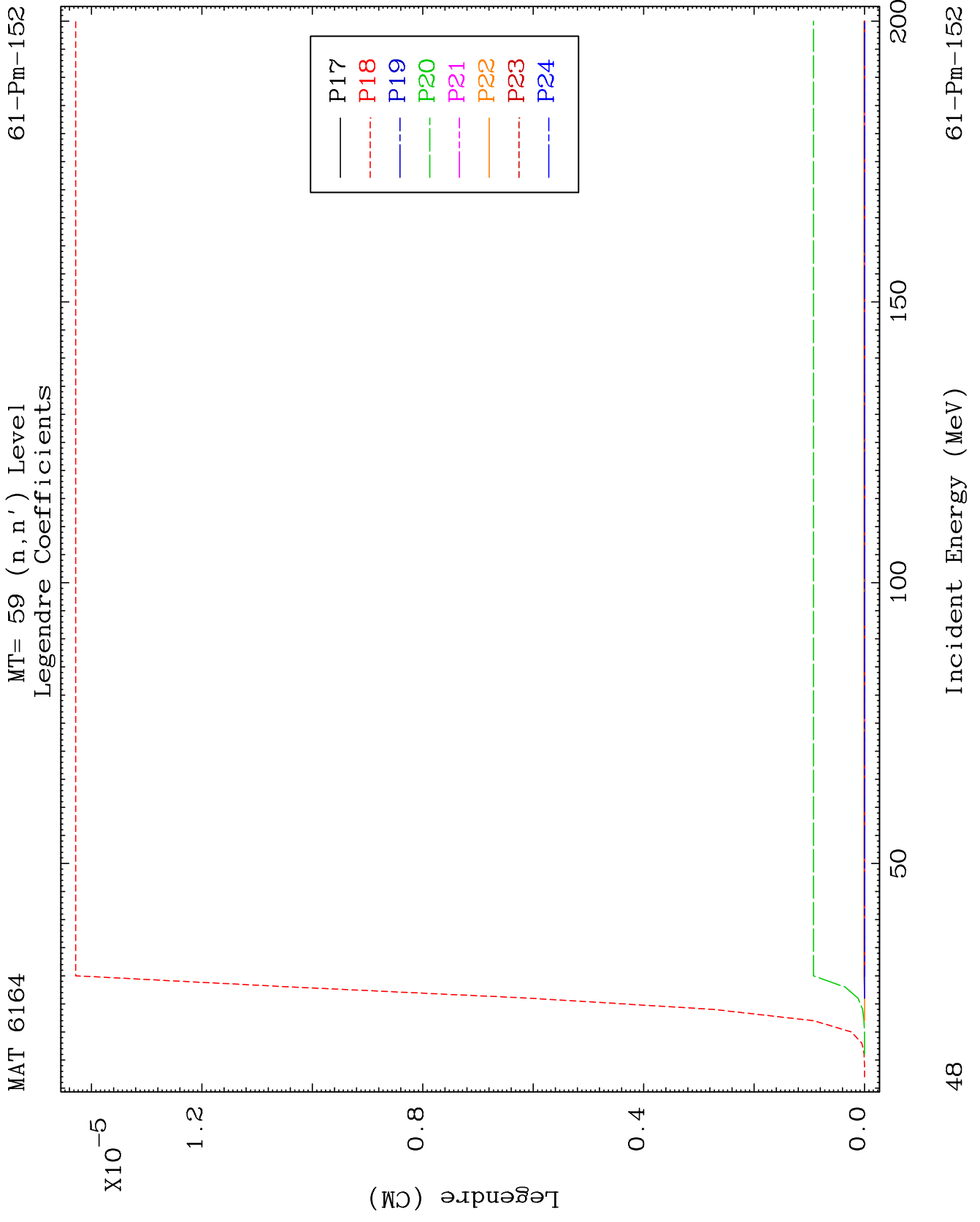


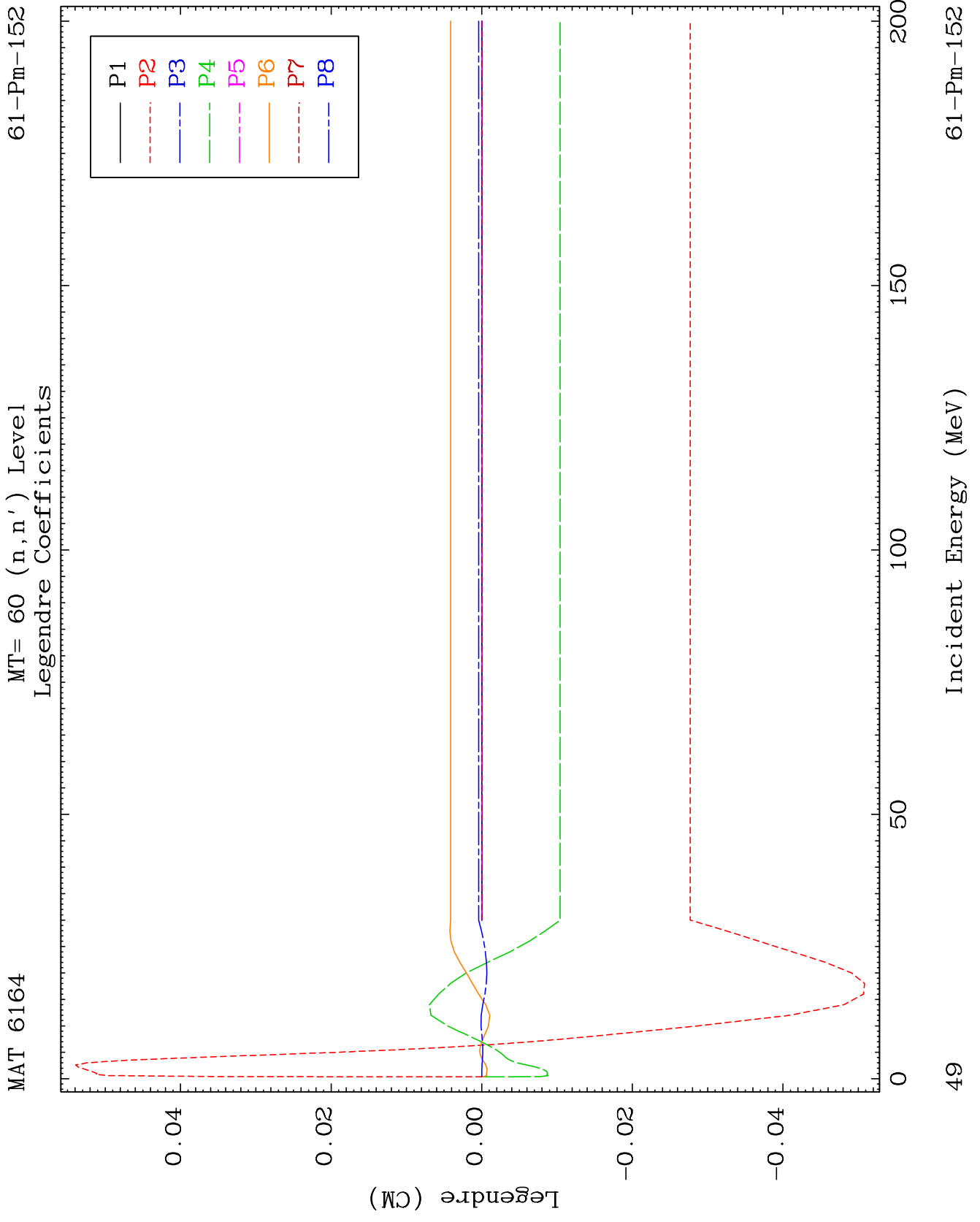
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Incident Energy (MeV)

61-Pm-152



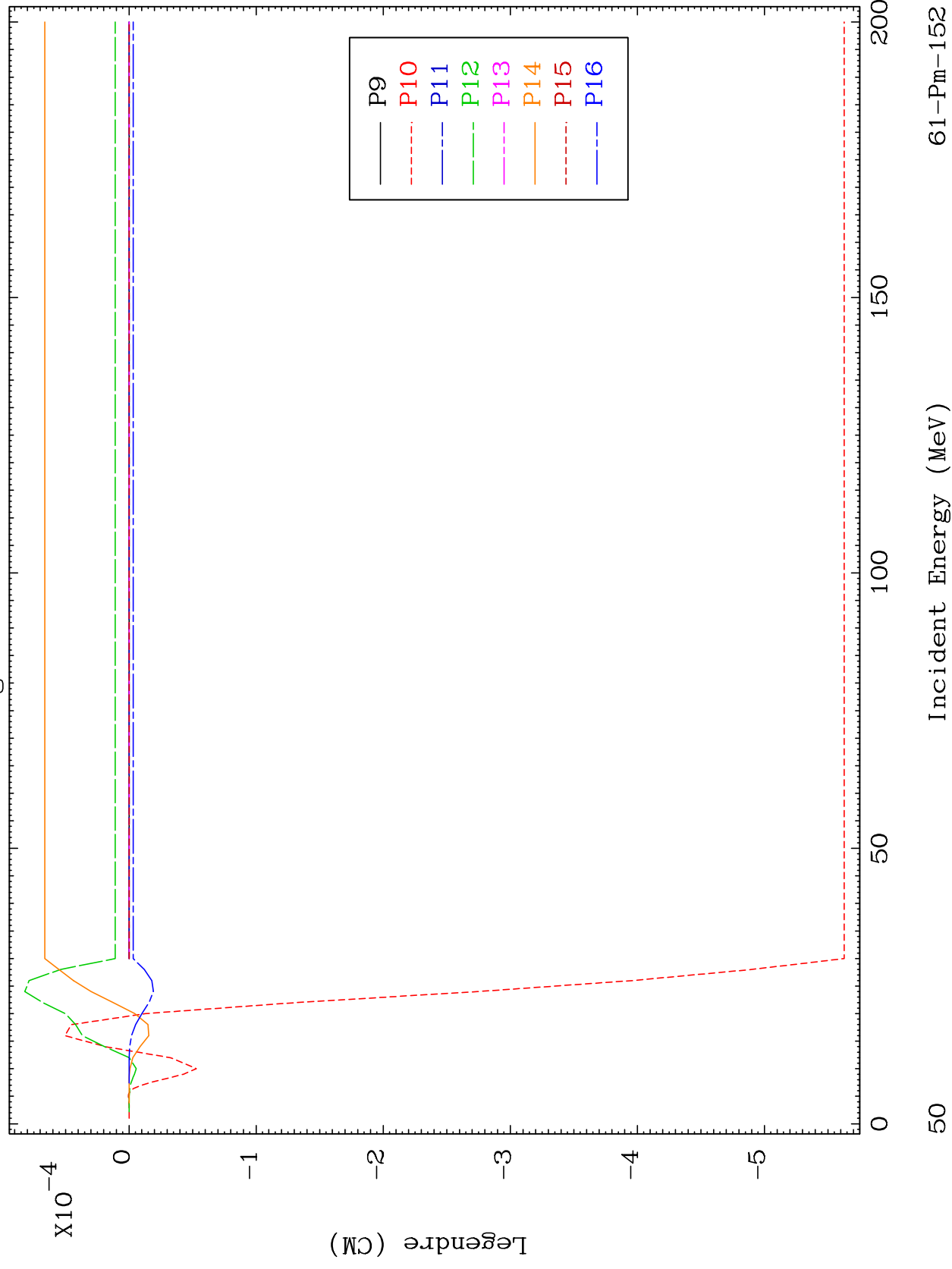




MAT 6164

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

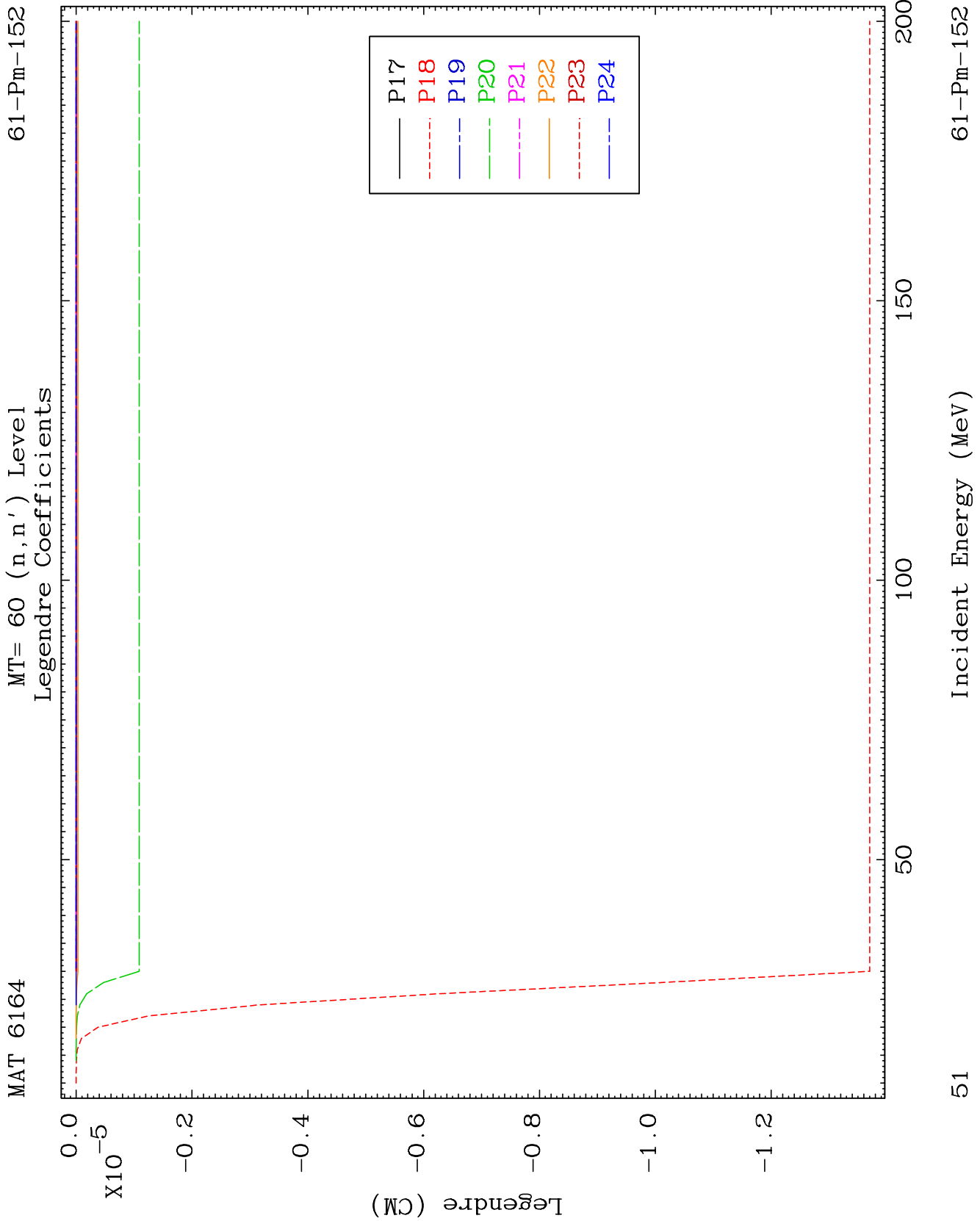
61-Pm-152



61-Pm-152

Incident Energy (MeV)

50

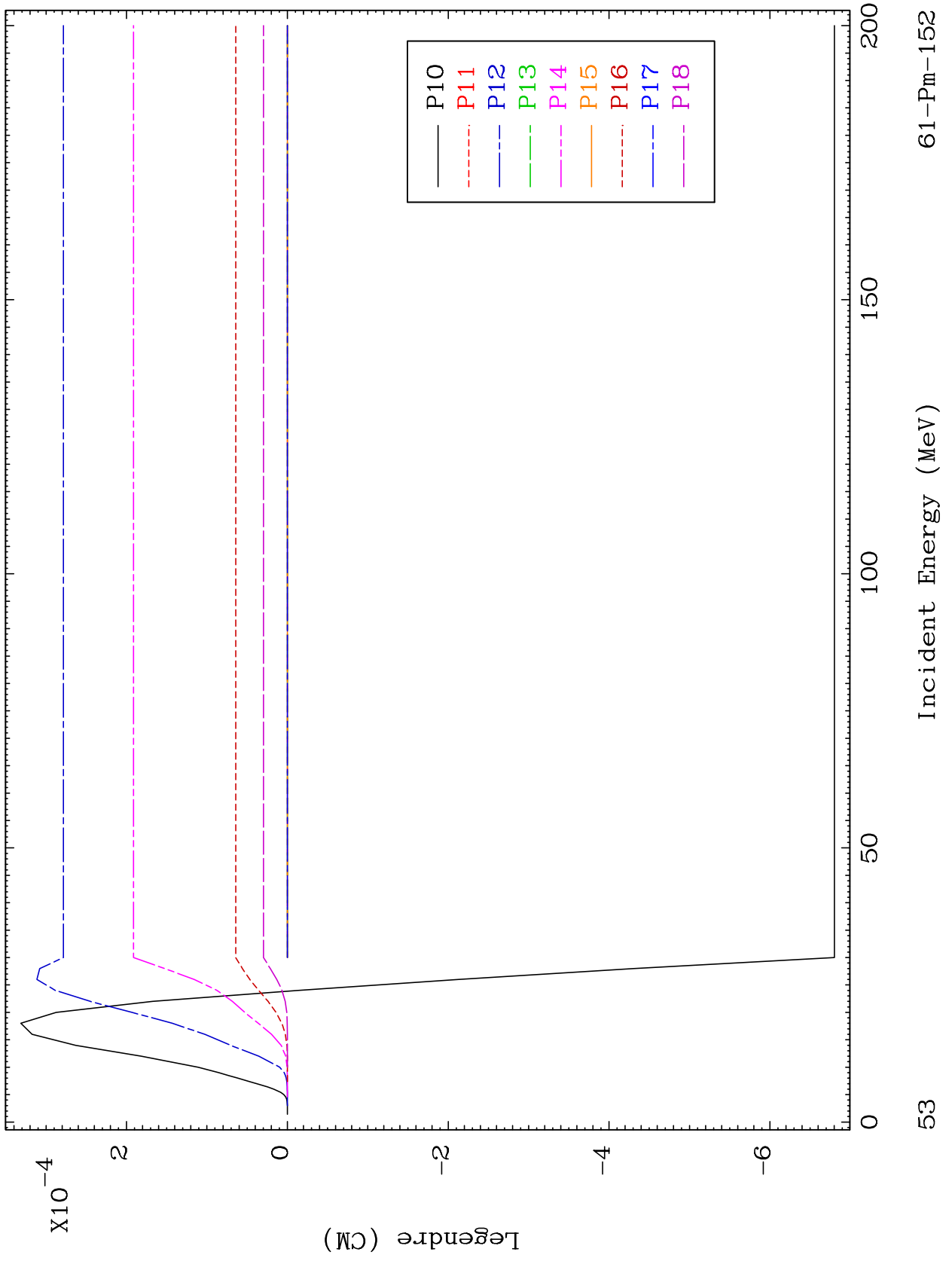




MAT 6164

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Legendre Coefficients

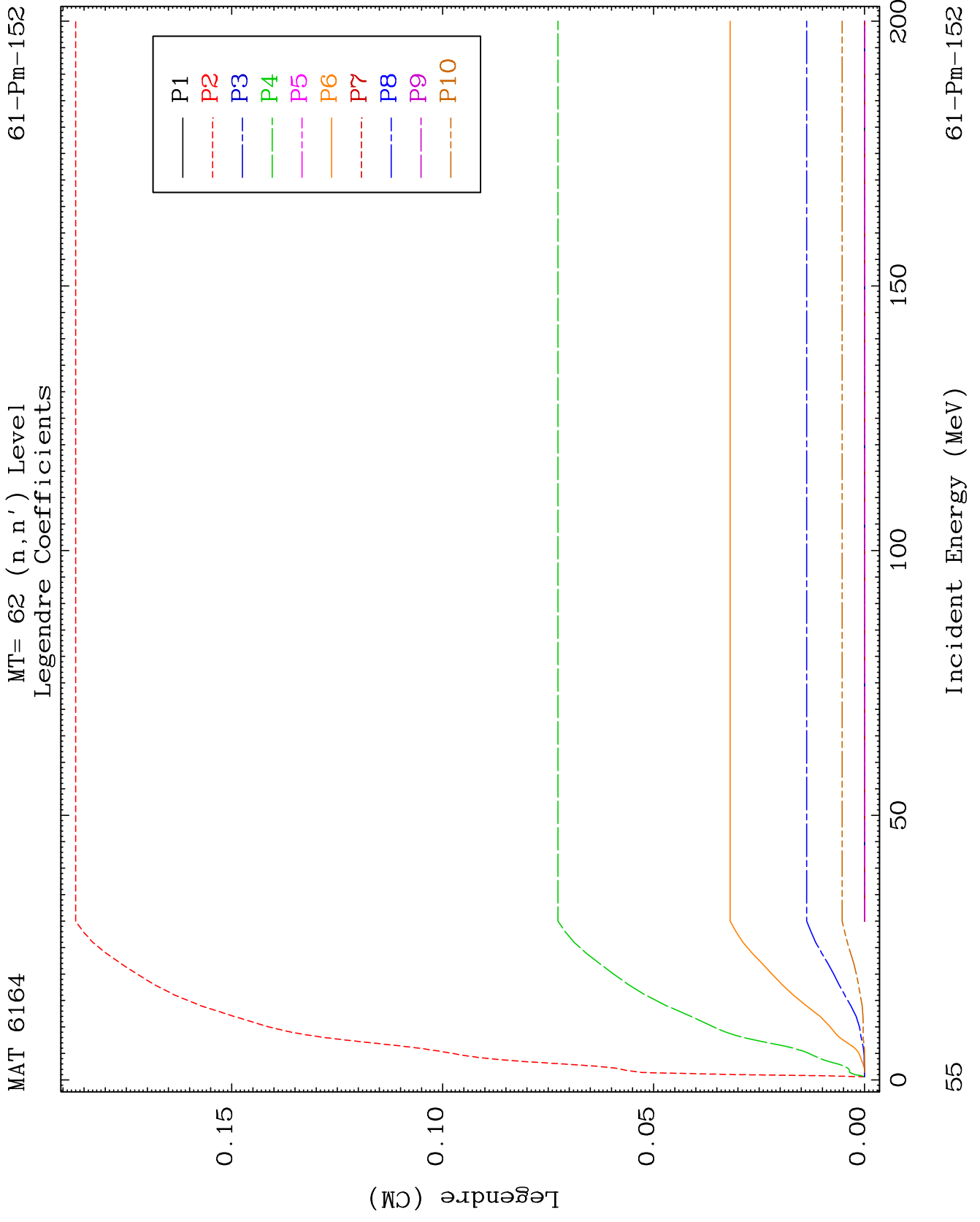
61-Pm-152



53

61-Pm-152



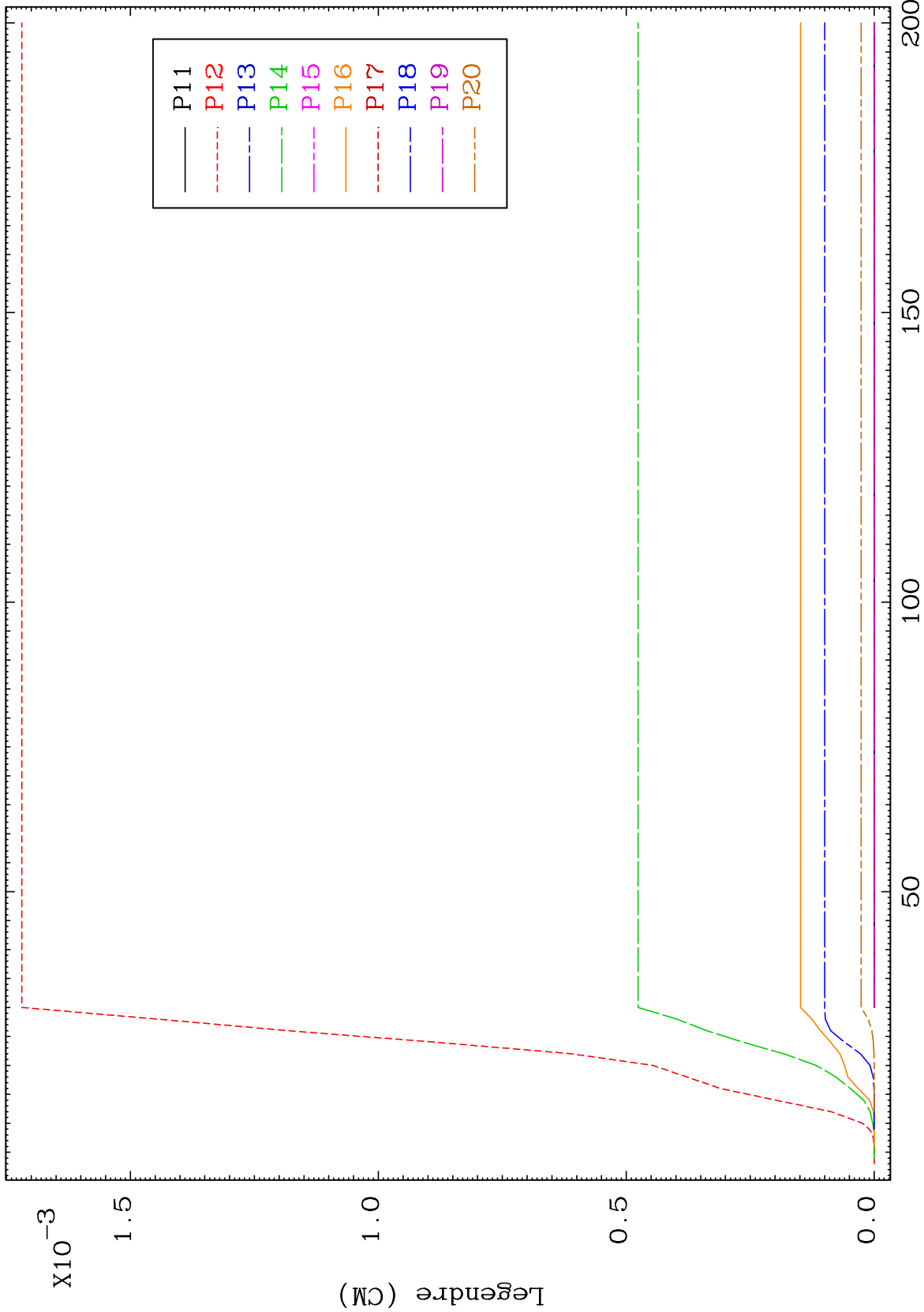




MAT 6164

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

61-Pm-152

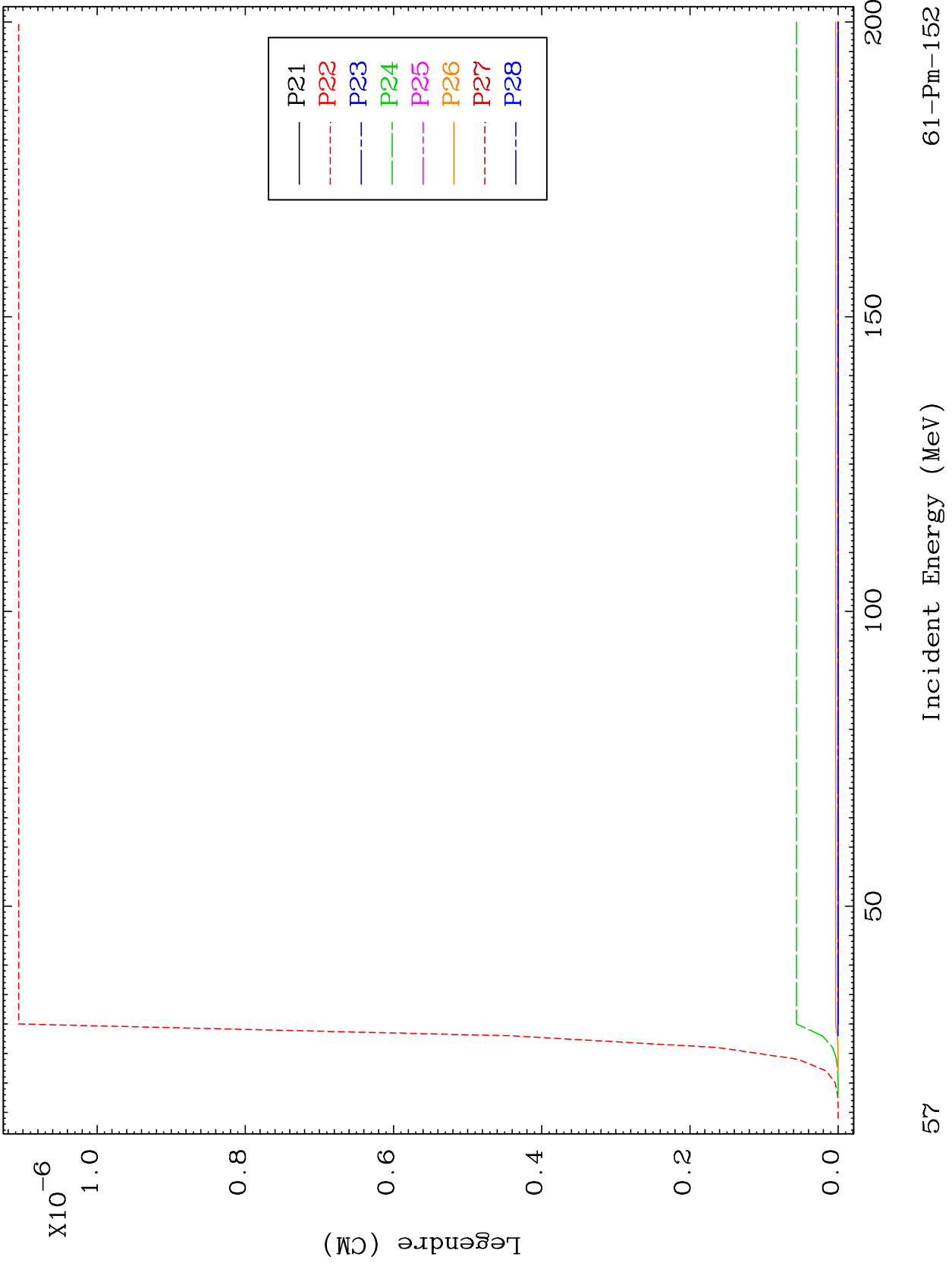


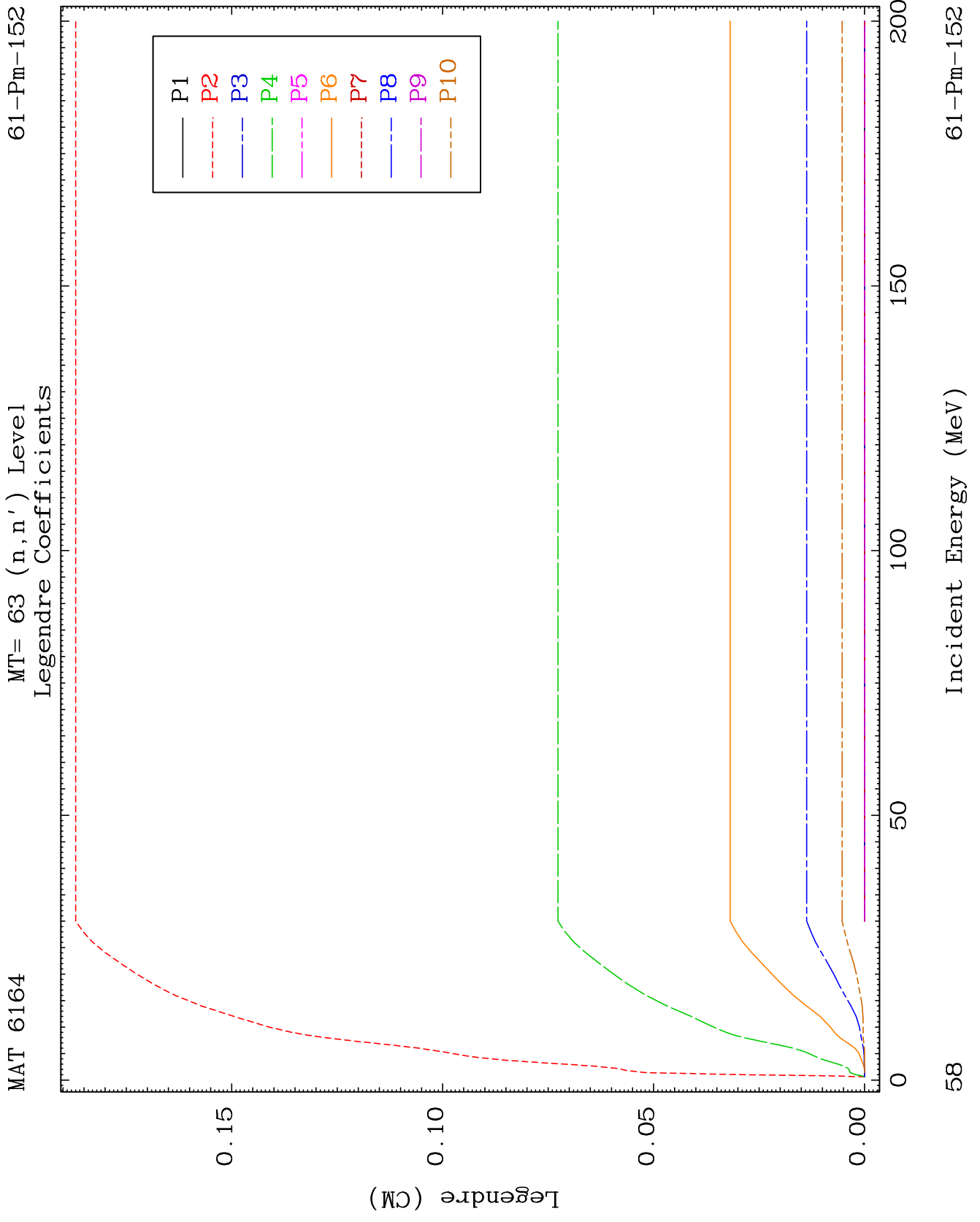
56

Incident Energy (MeV)

61-Pm-152

MAT 6164 MT= 62 (n,n') Level Legendre Coefficients 61-Pm-152

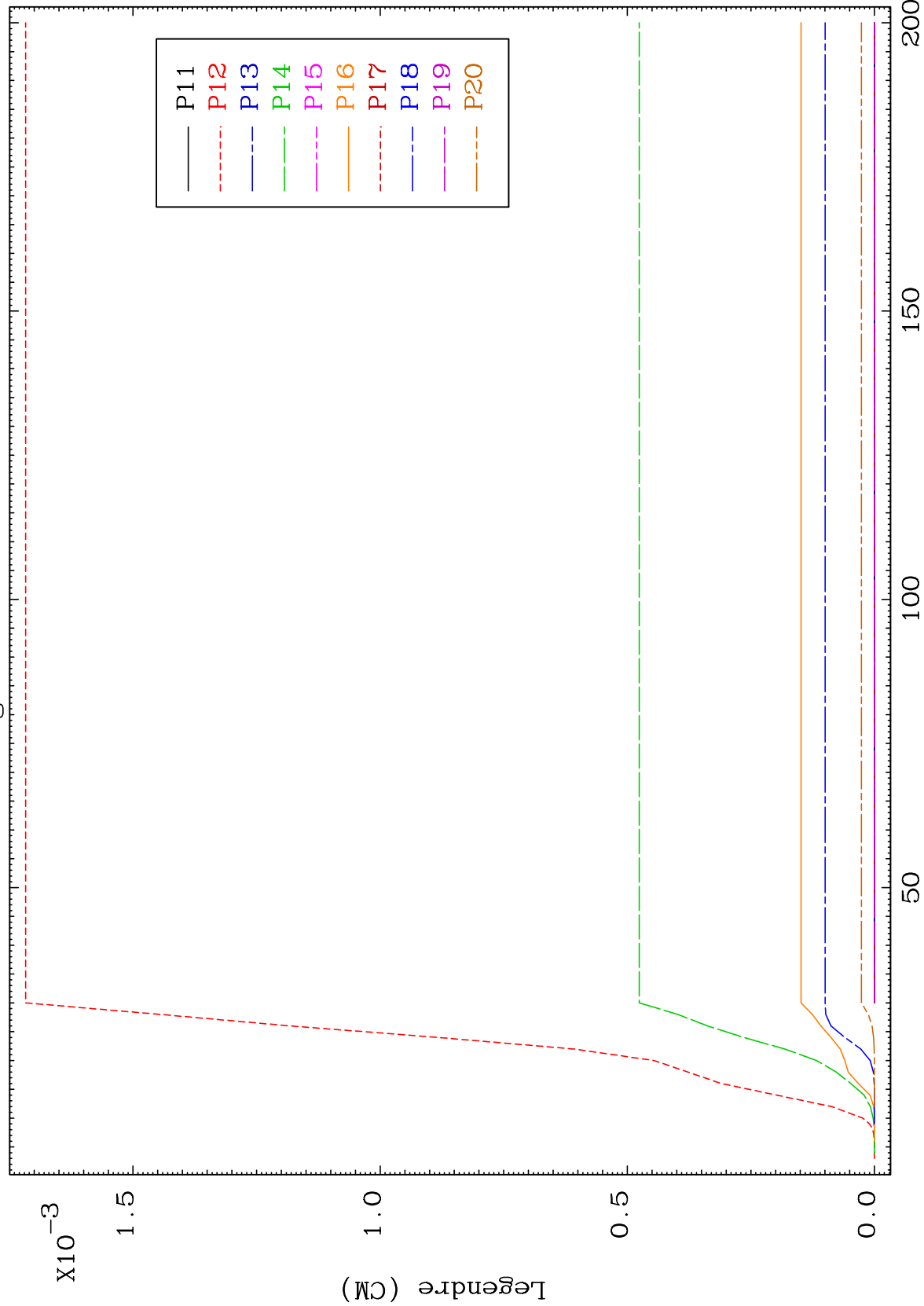




MAT 6164

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

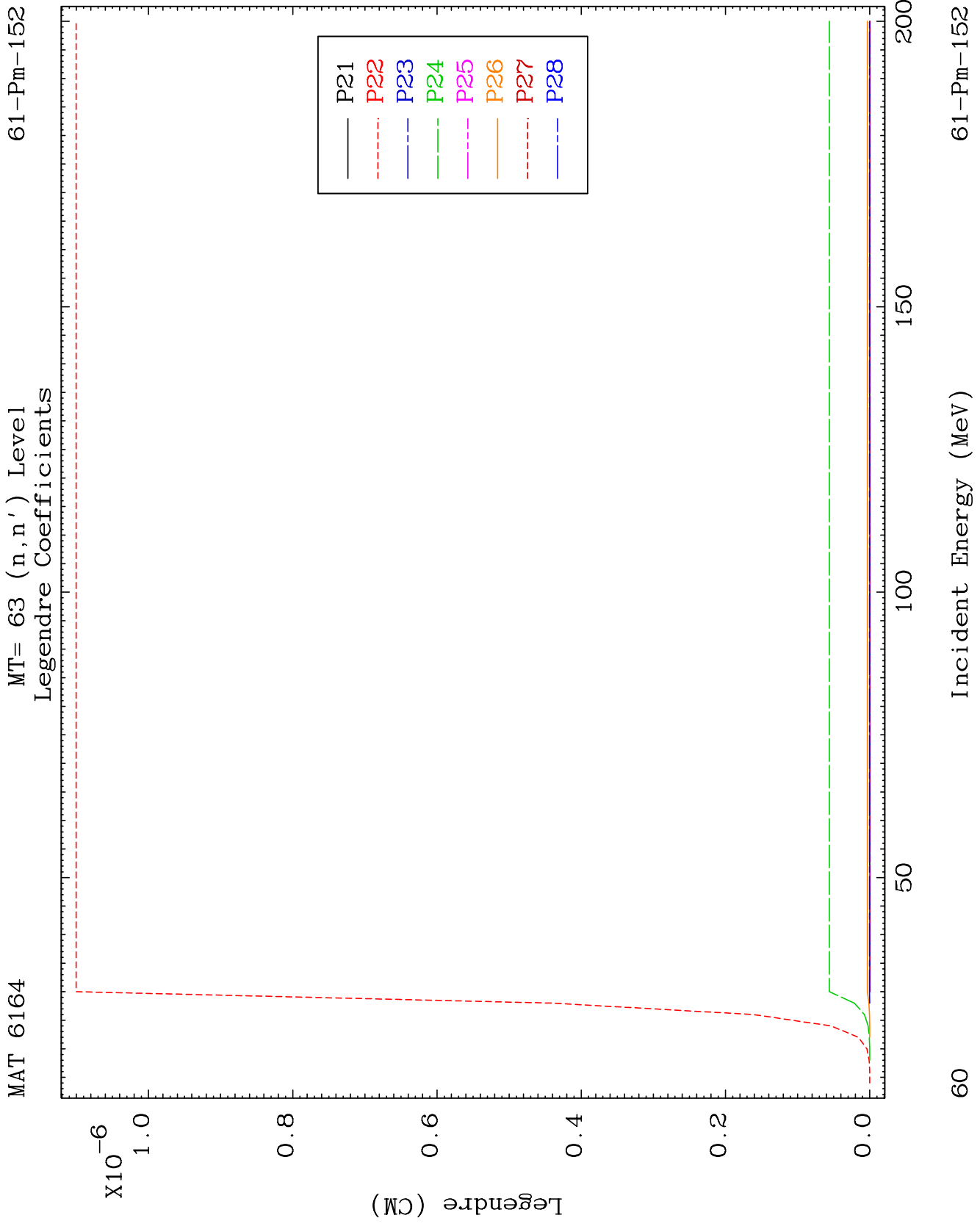
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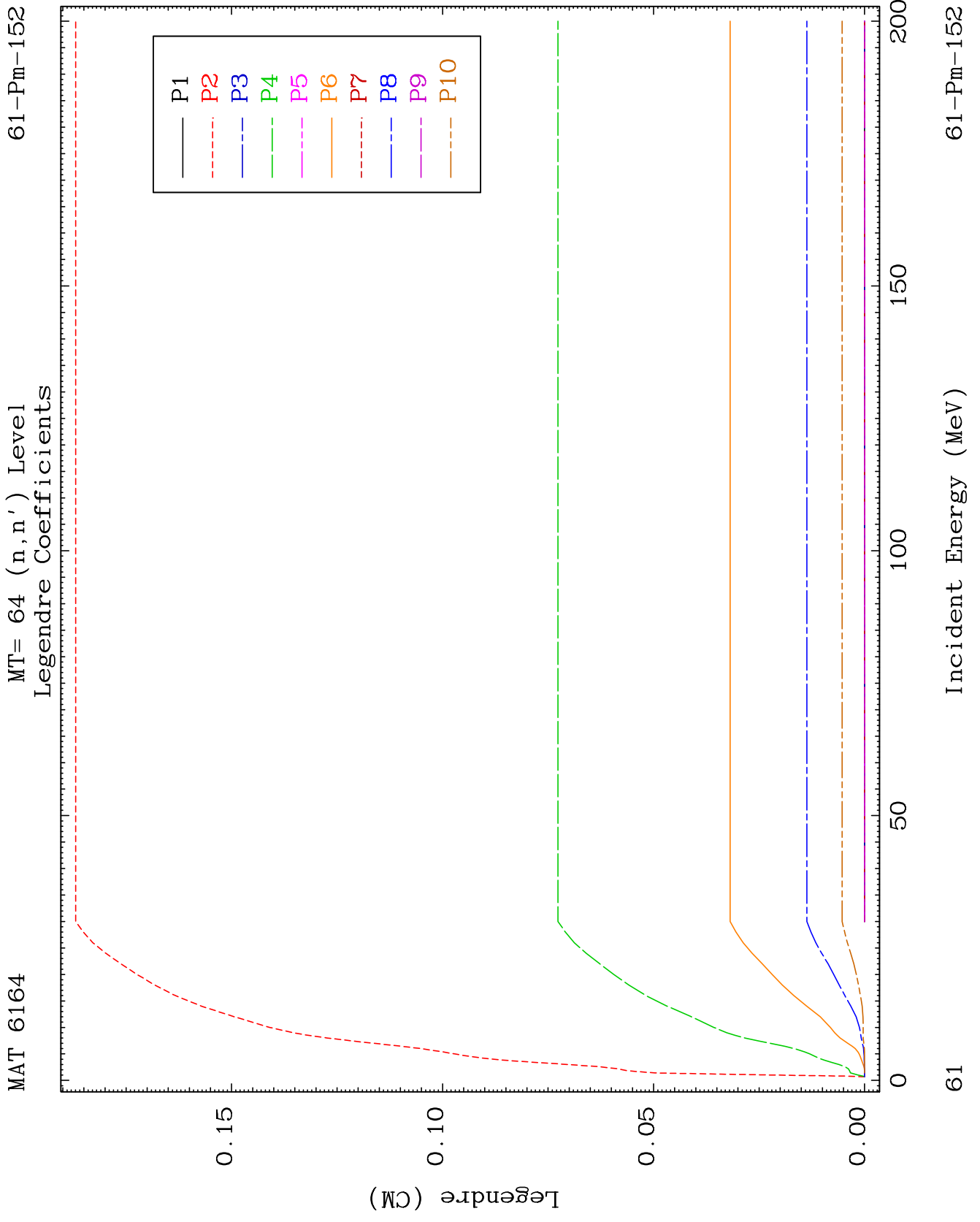


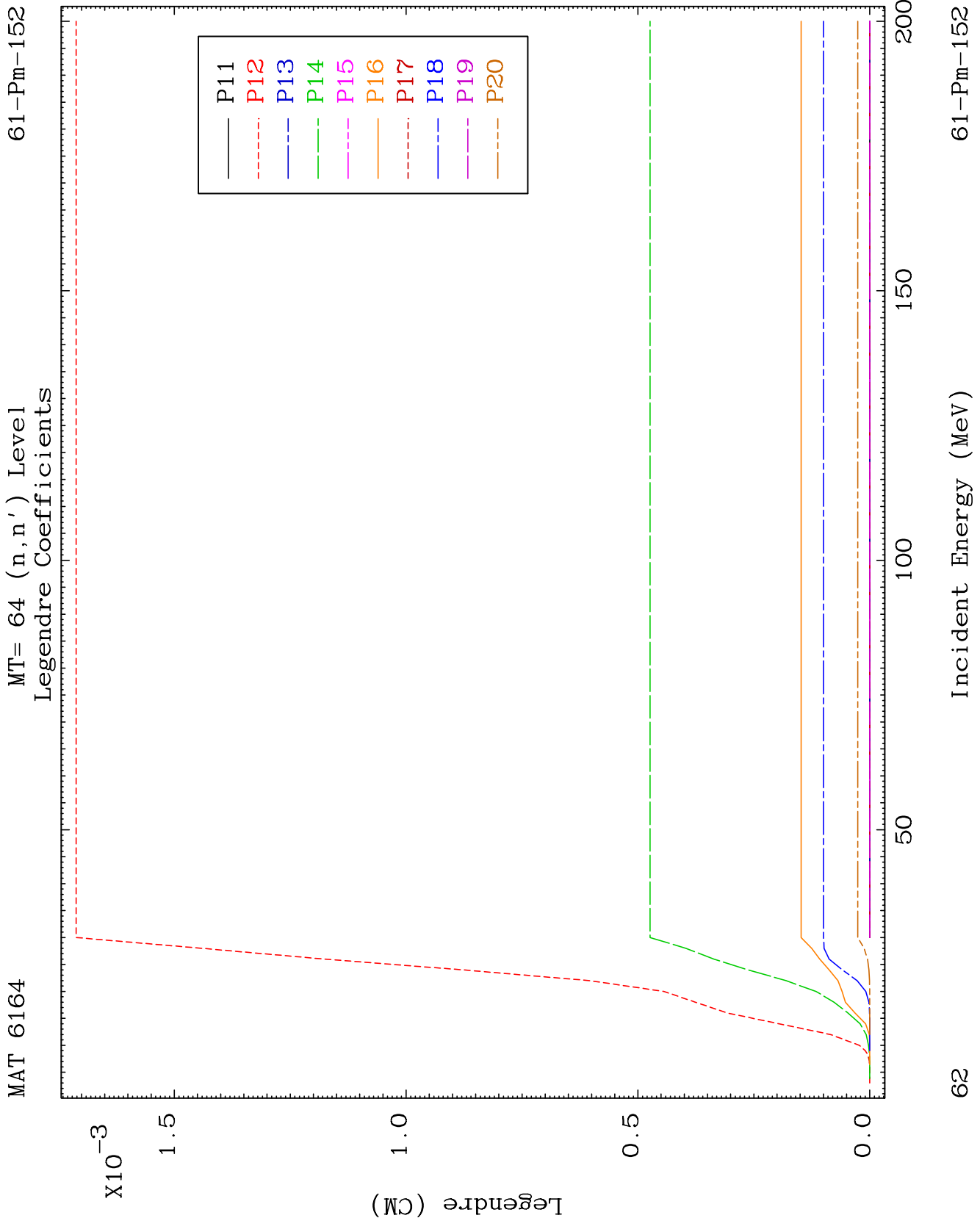
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Incident Energy (MeV)

61-Pm-152



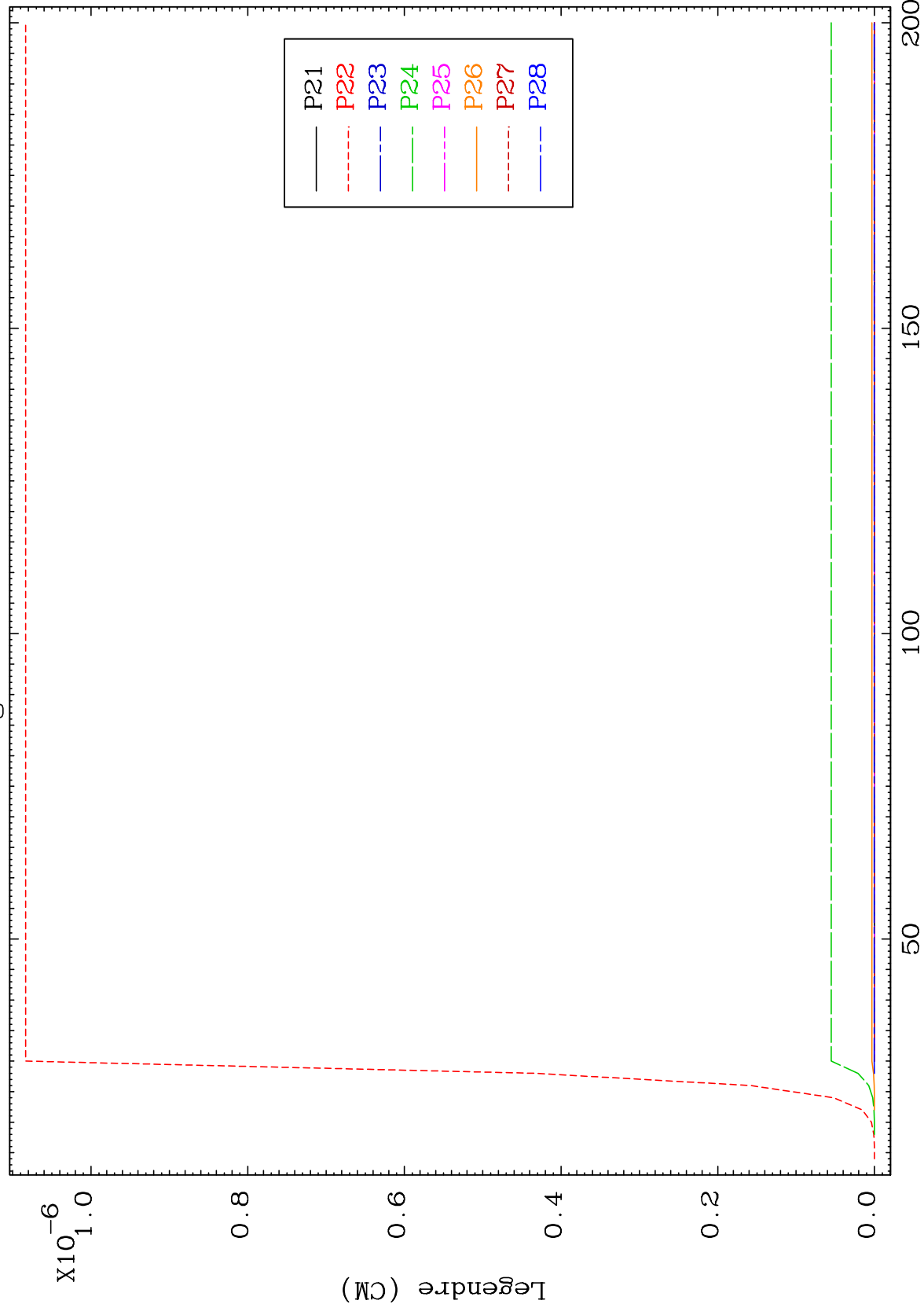




MAT 6164

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

61-Pm-152



63

Incident Energy (MeV)

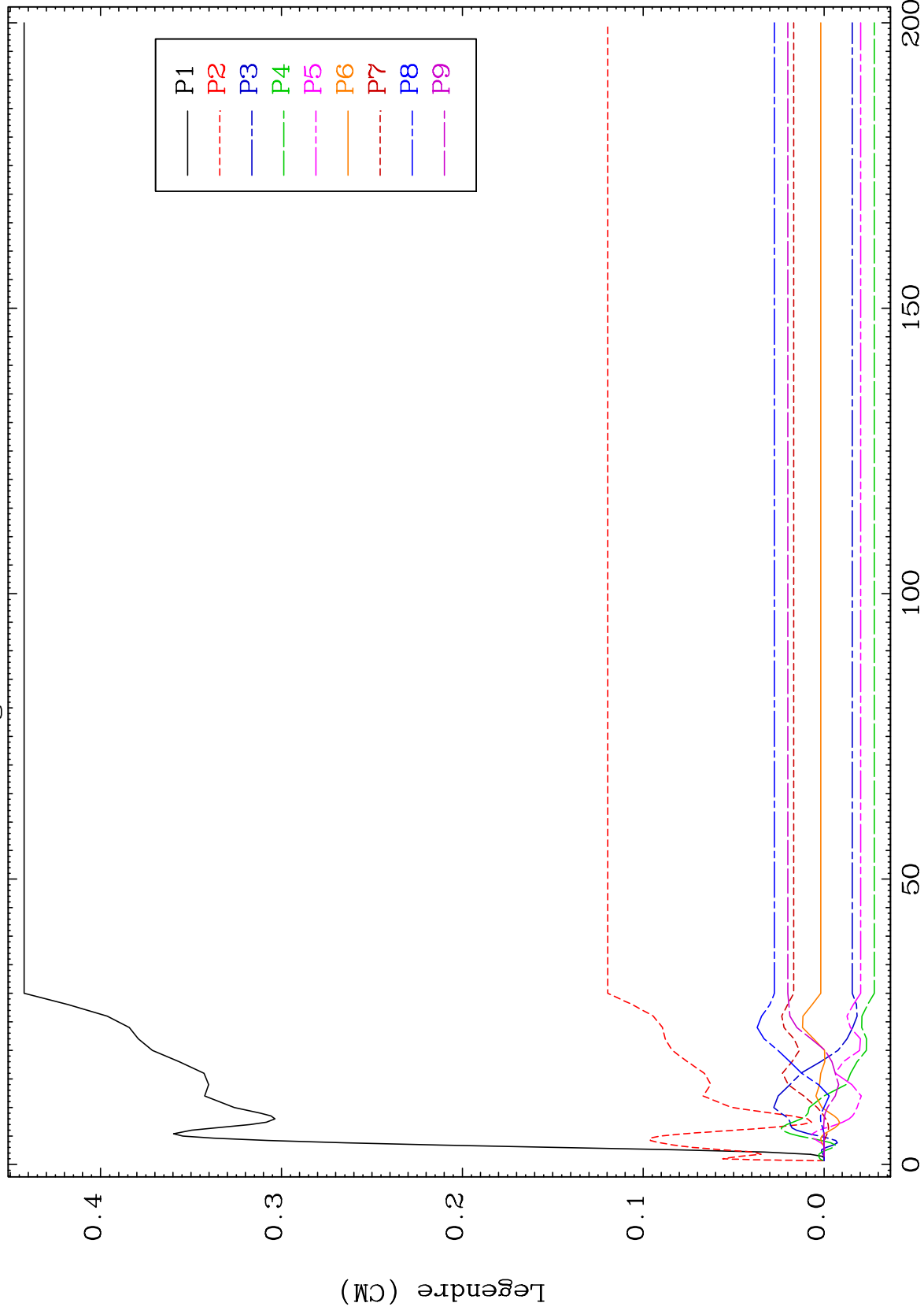
61-Pm-152



MAT 6164

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

61-Pm-152



64

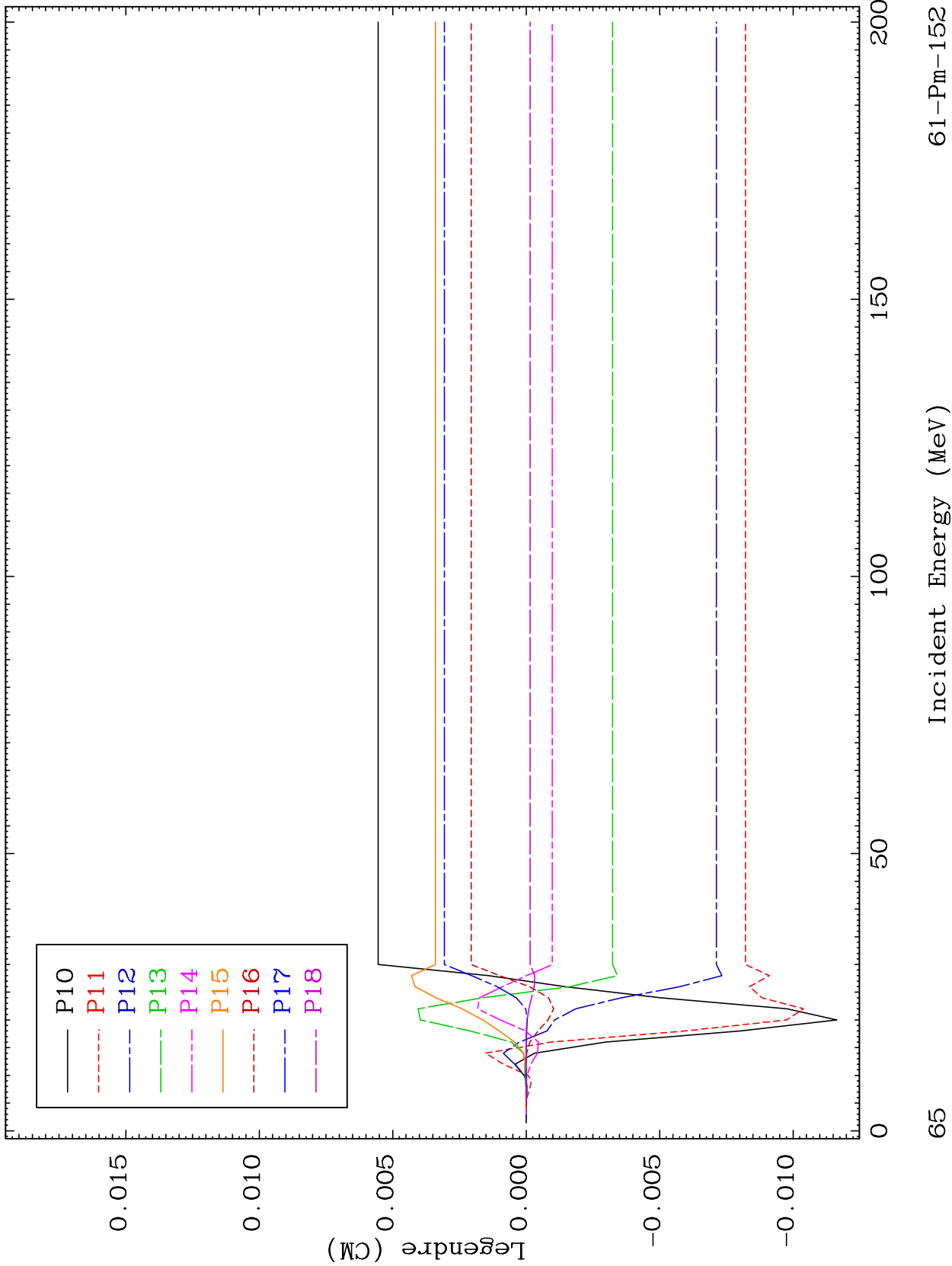
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152



65

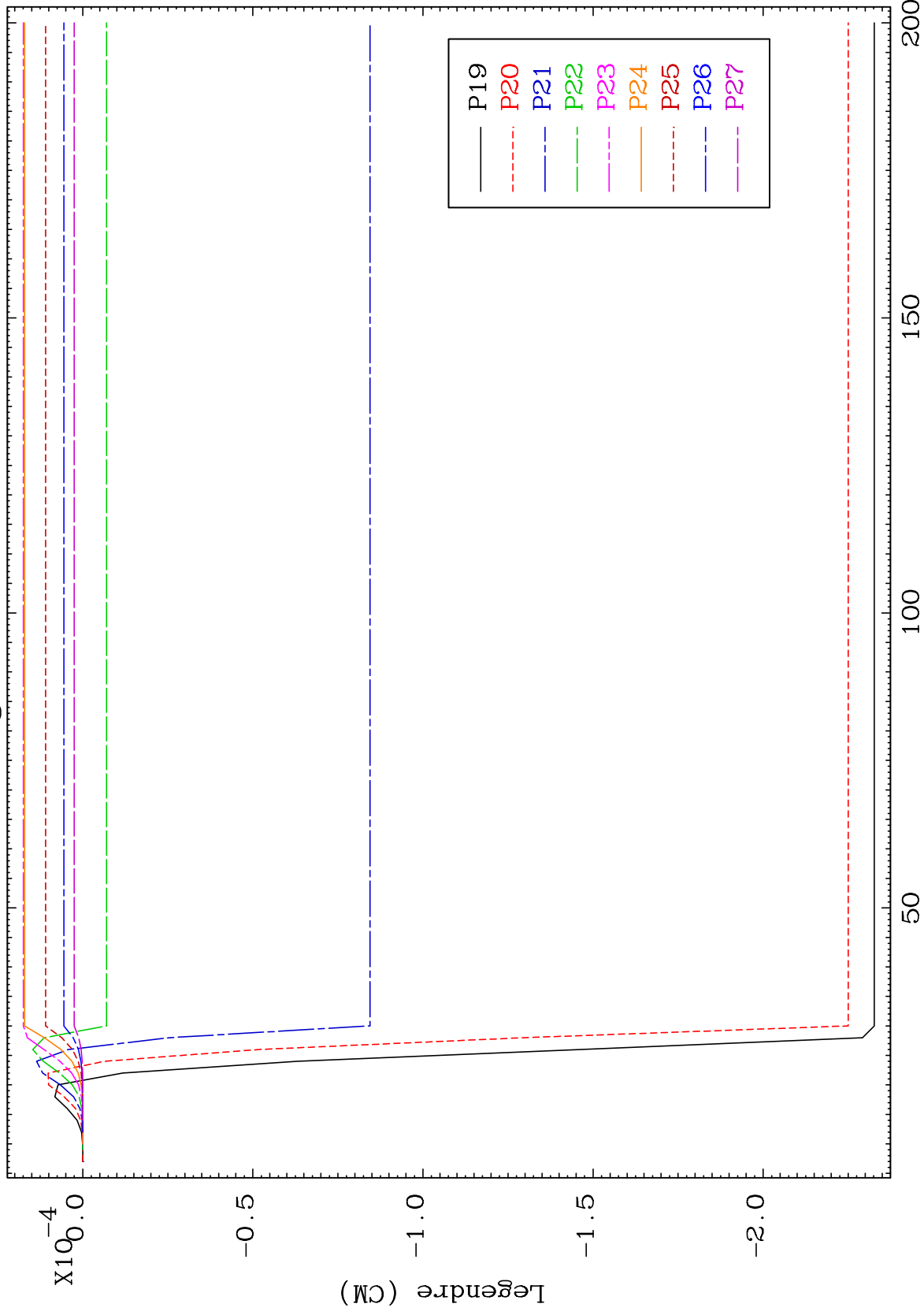
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152



66

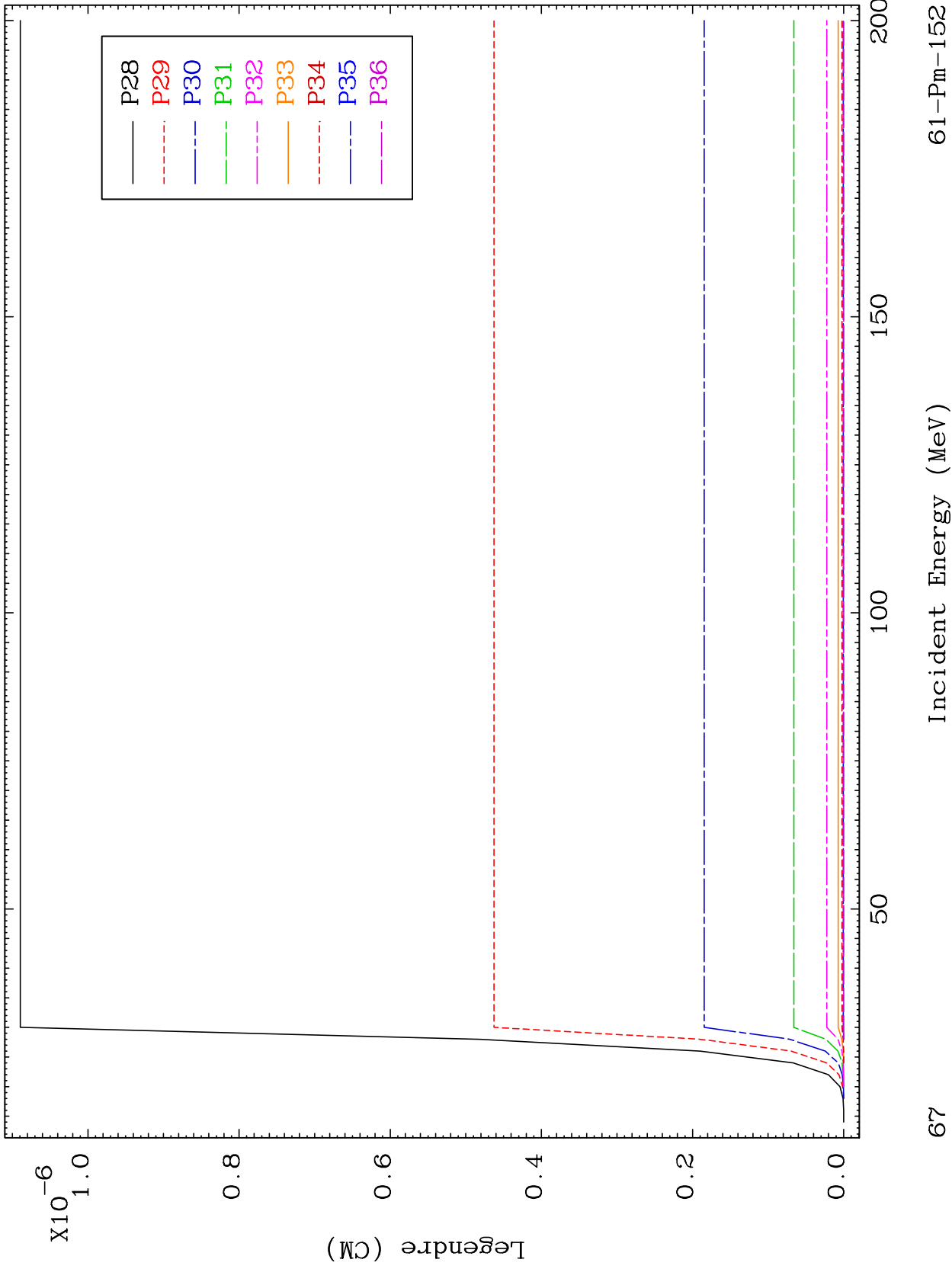
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152

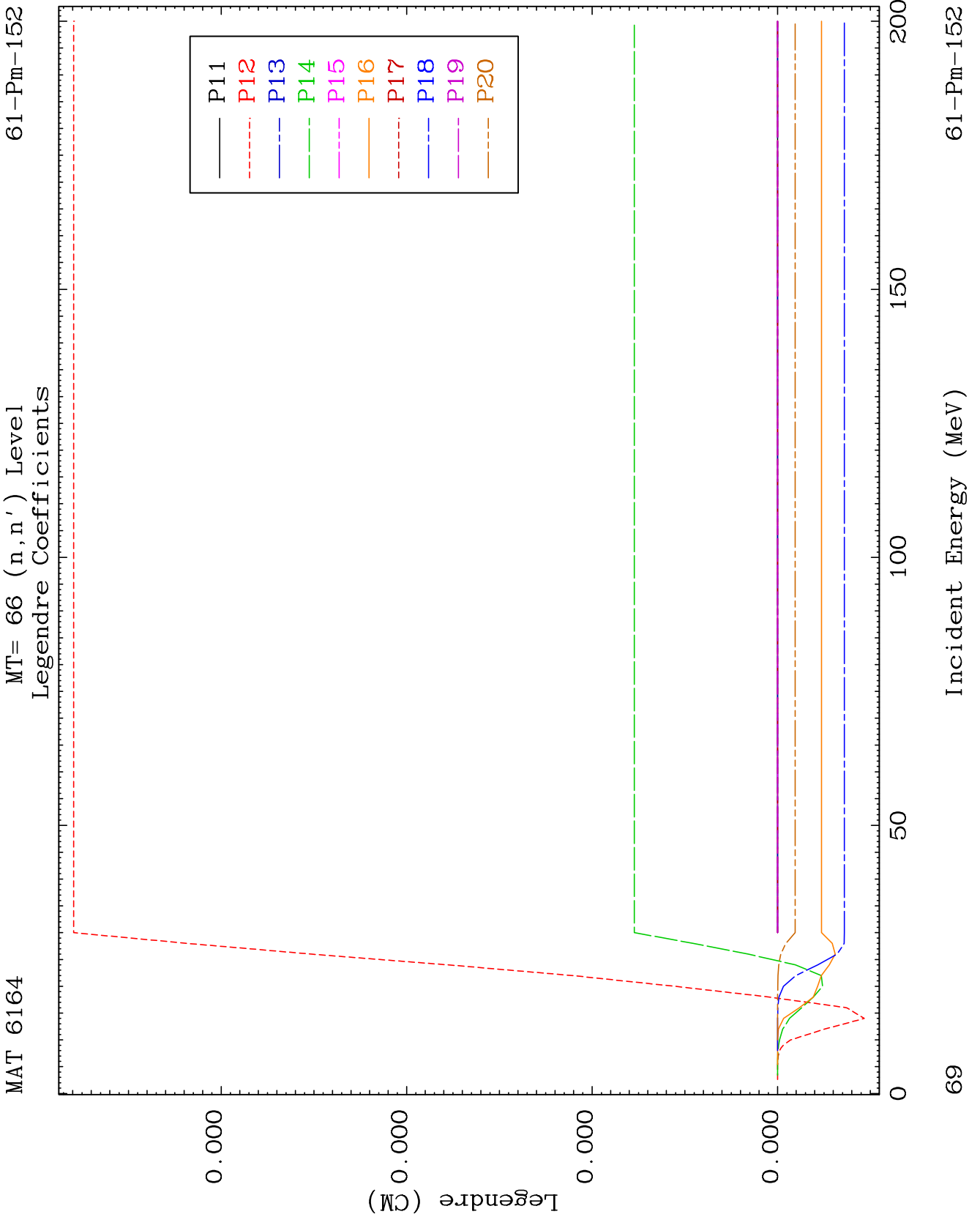


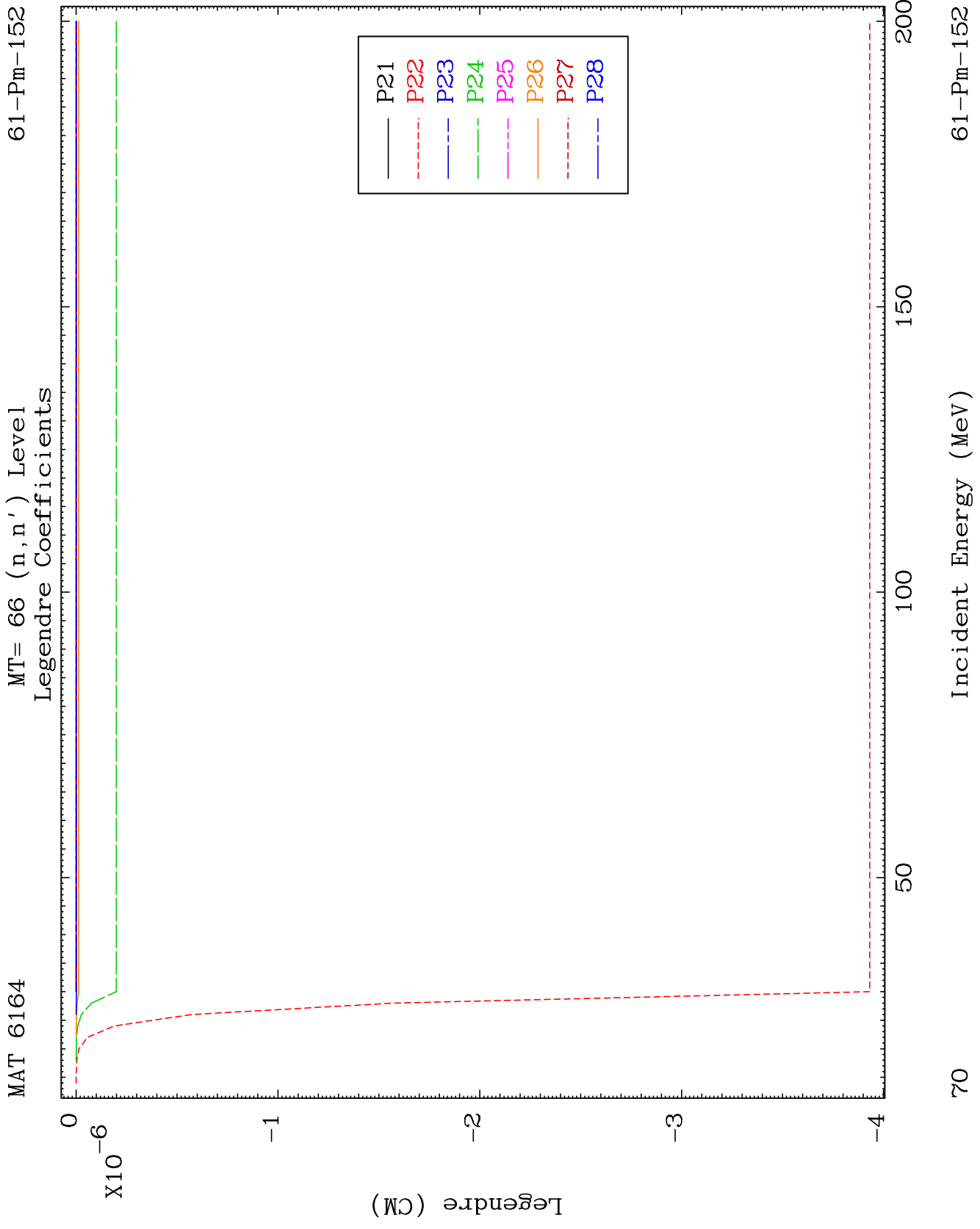
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Incident Energy (MeV)

61-Pm-152



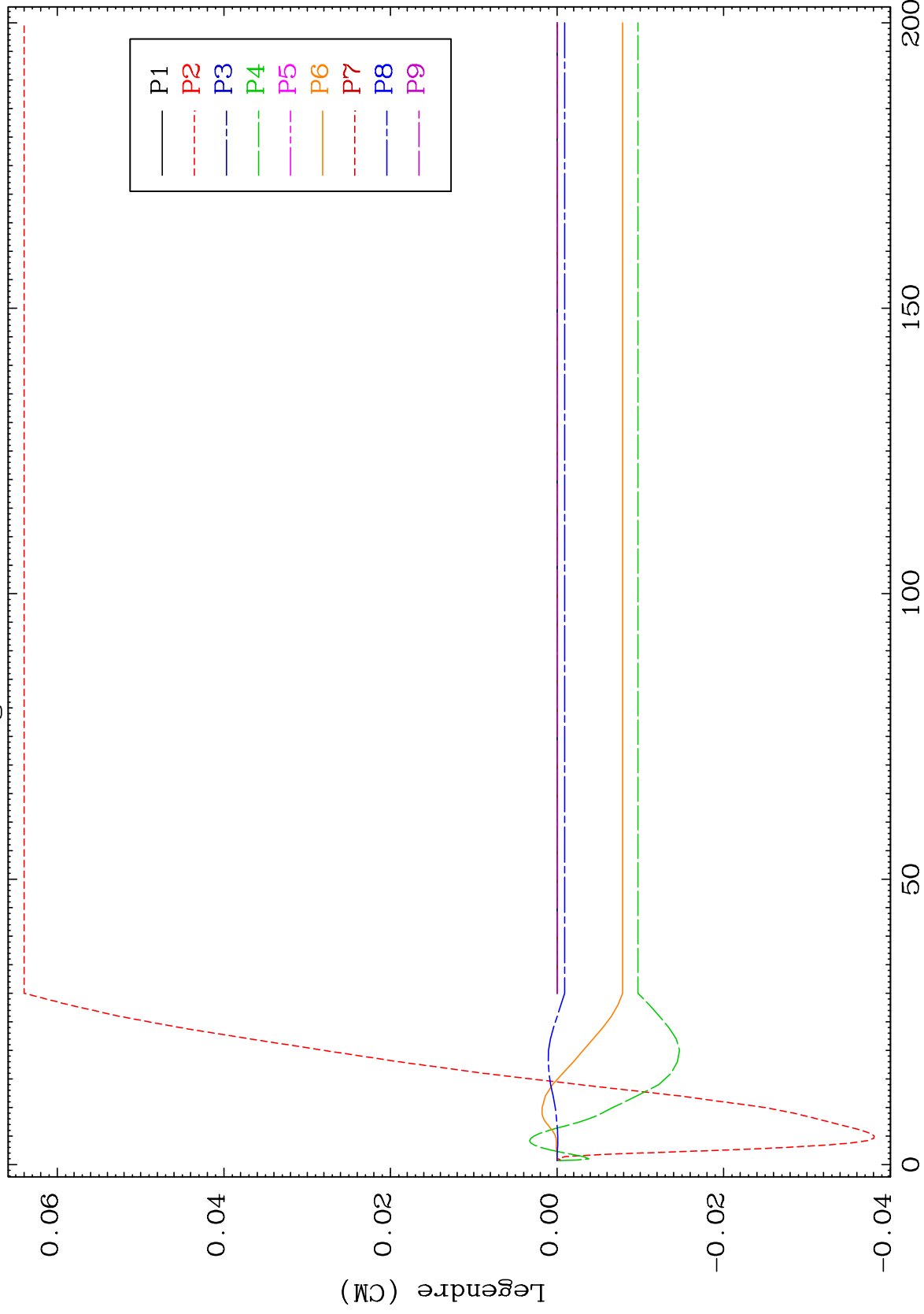




MAT 6164

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

61-Pm-152



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Incident Energy (MeV)

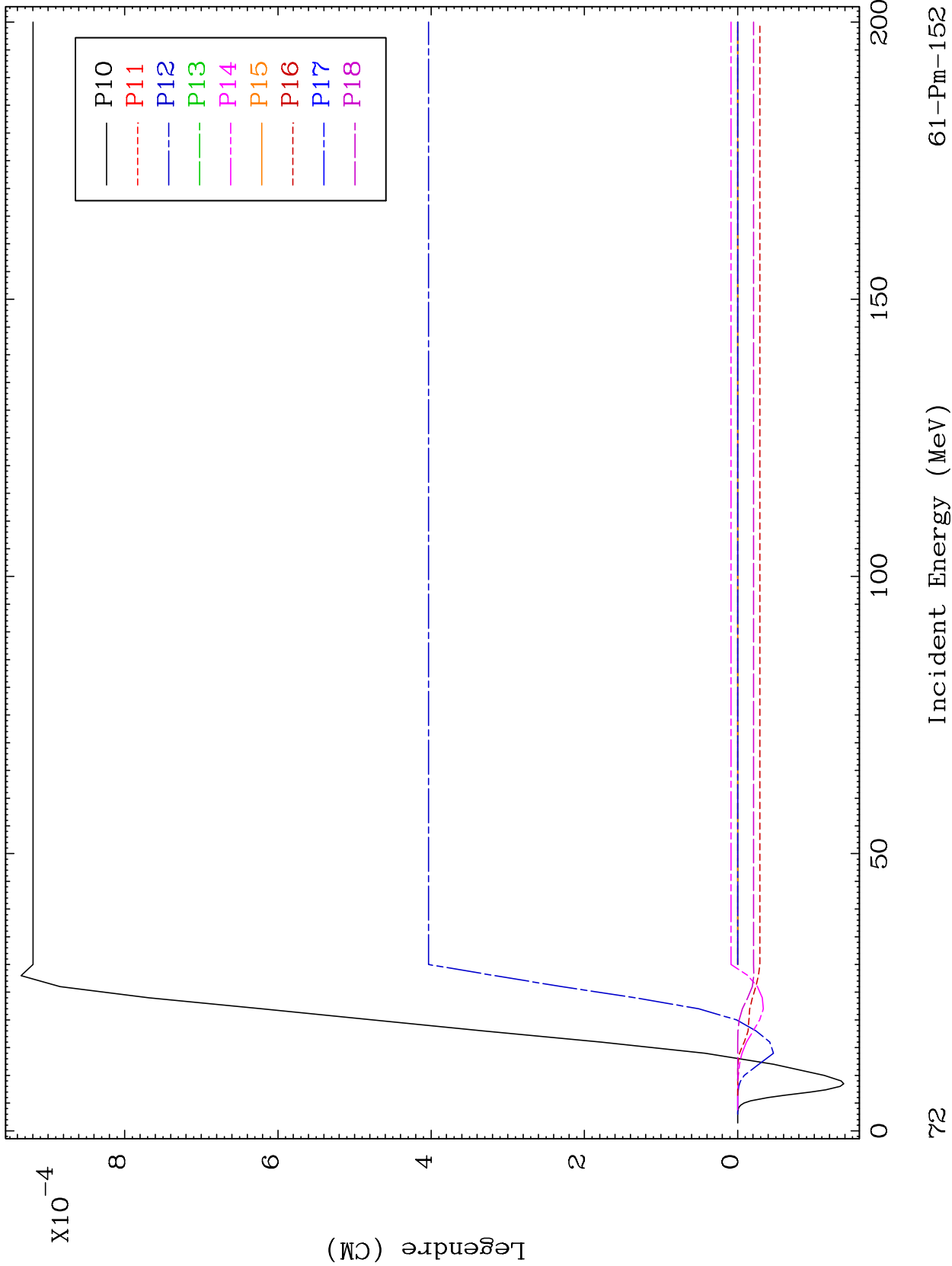
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MAT 6164

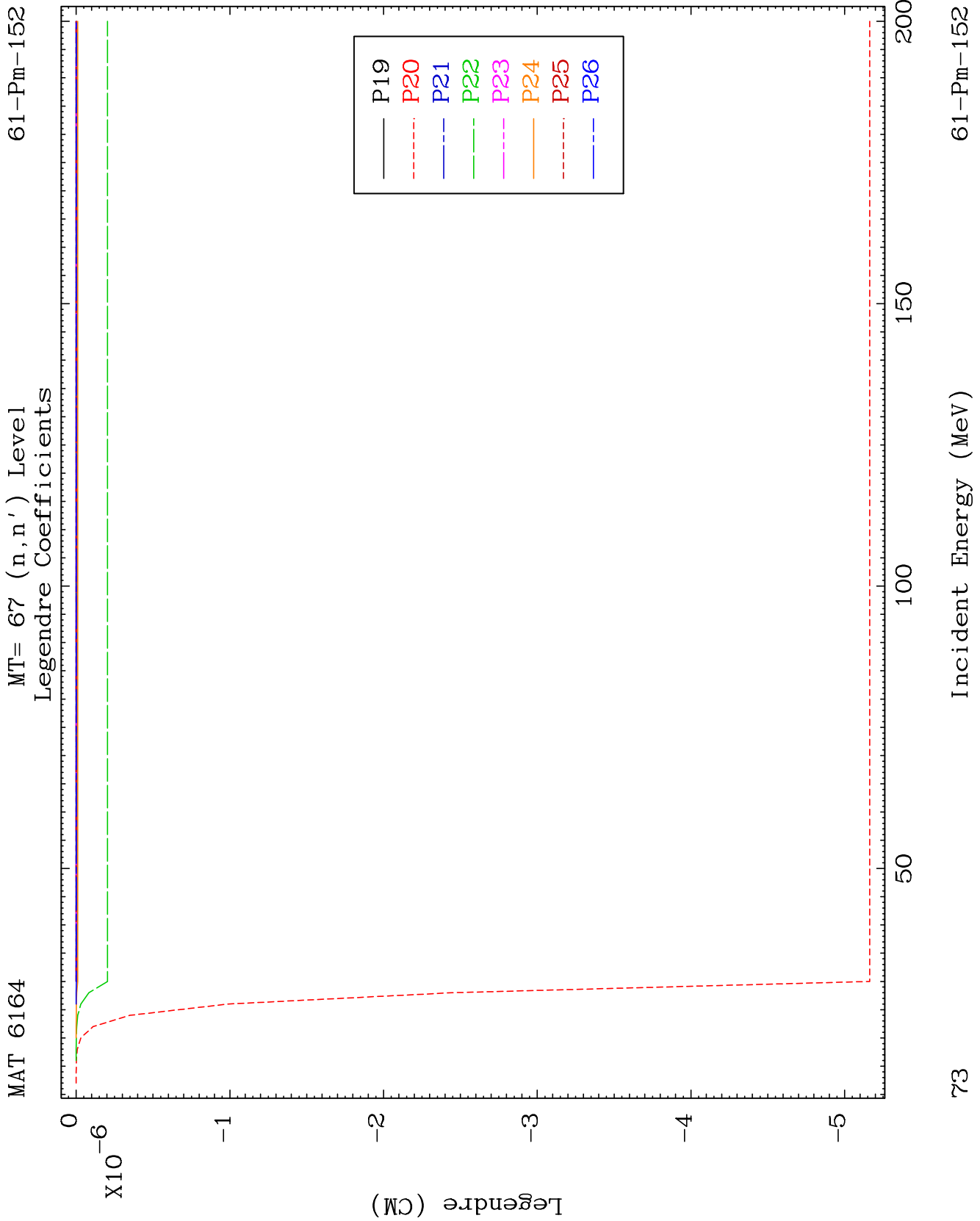
MT= 67 (n,n') Level  
Legendre Coefficients

61-Pm-152



72

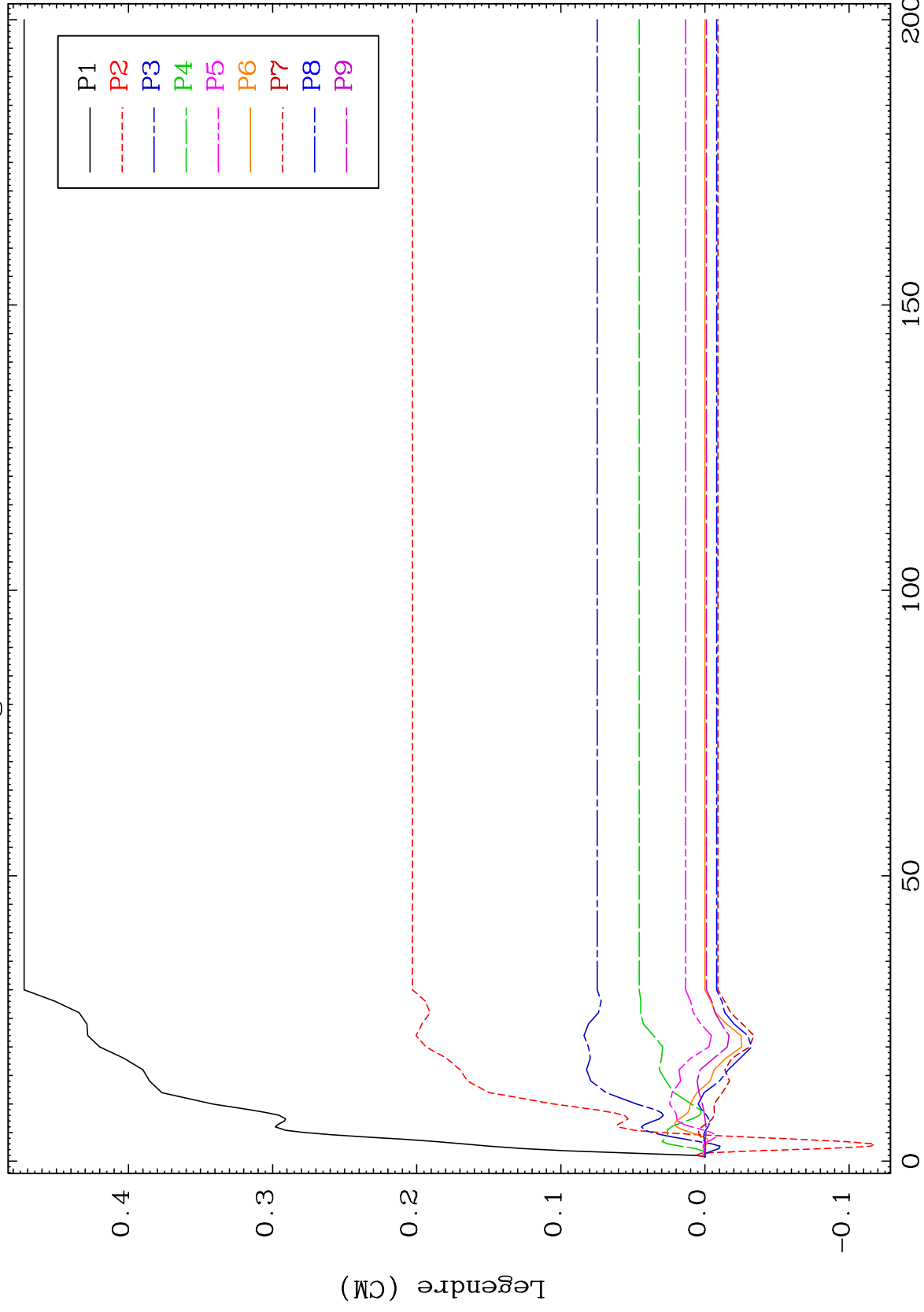
61-Pm-152



MAT 6164

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

61-Pm-152



74

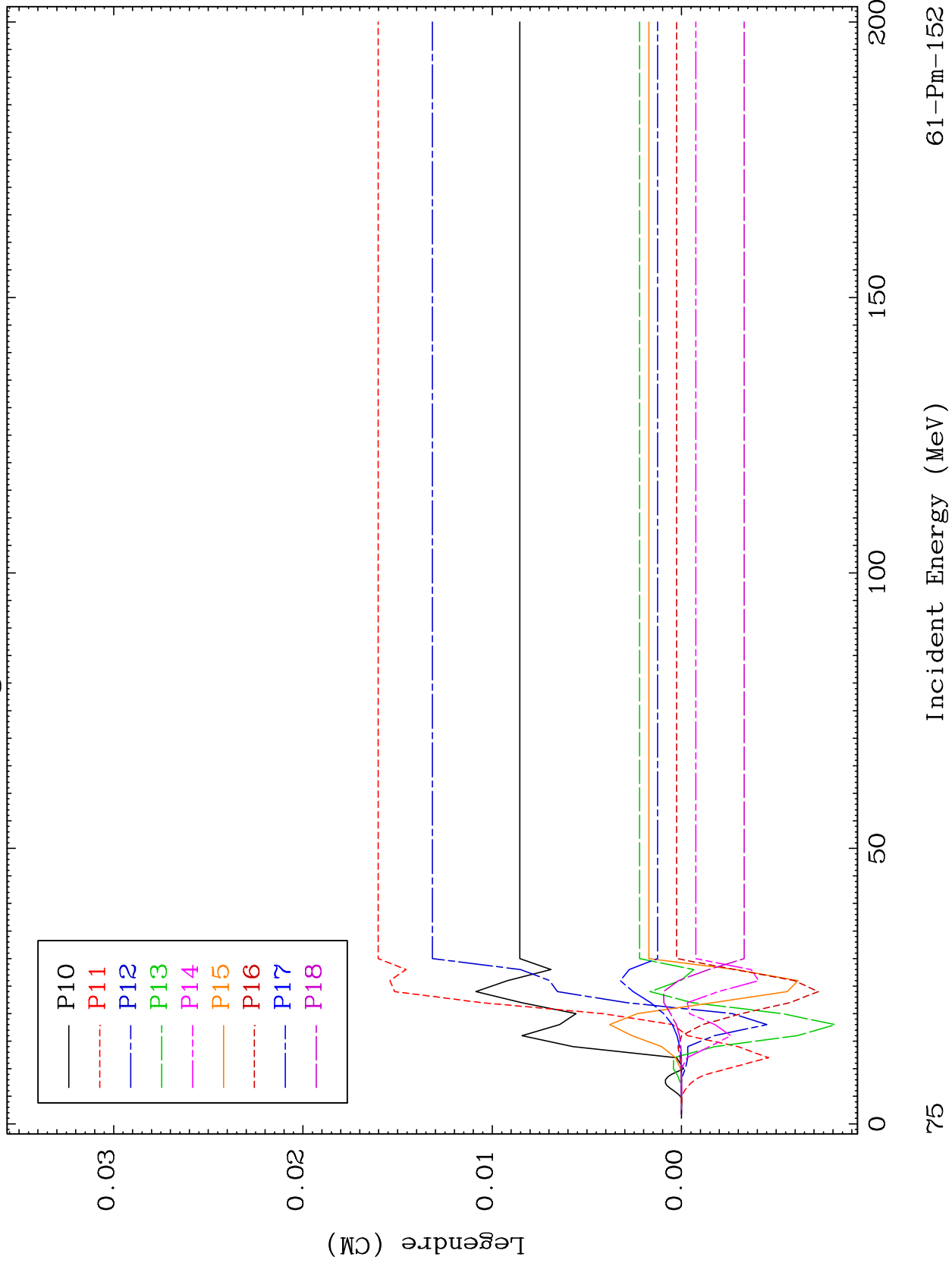
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152



61-Pm-152

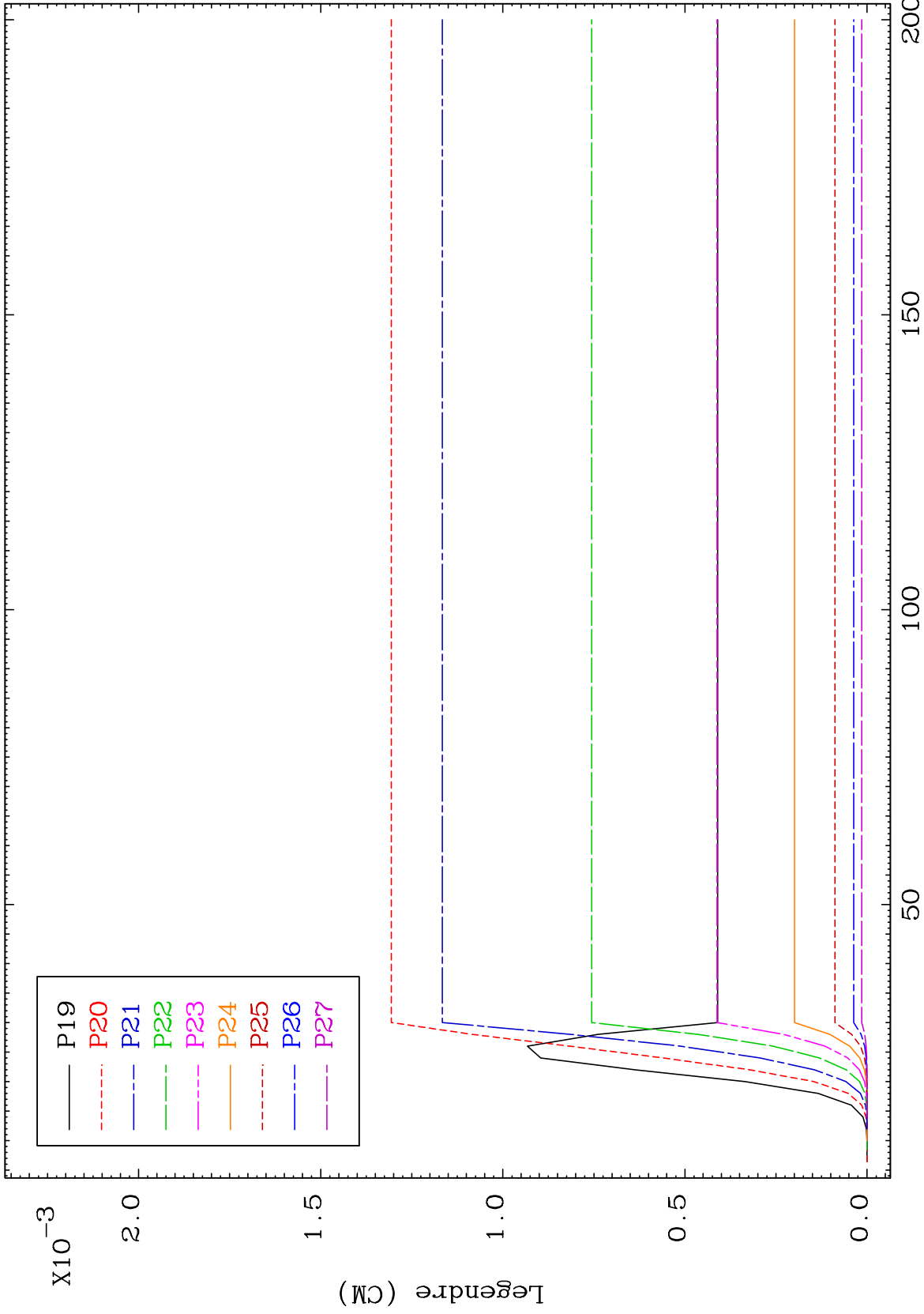
Incident Energy (MeV)

75

MAT 6164

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

61-Pm-152



76

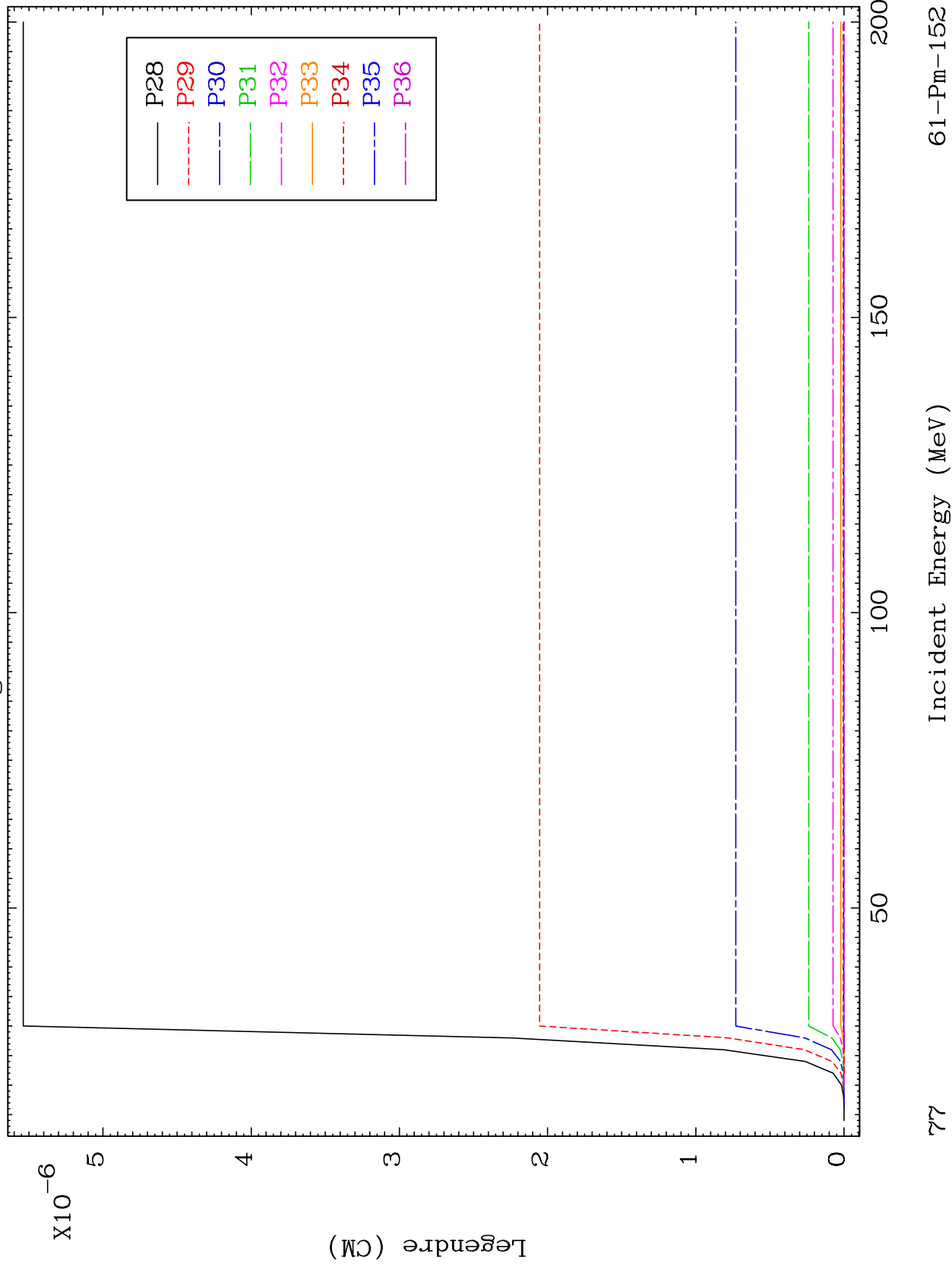
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152

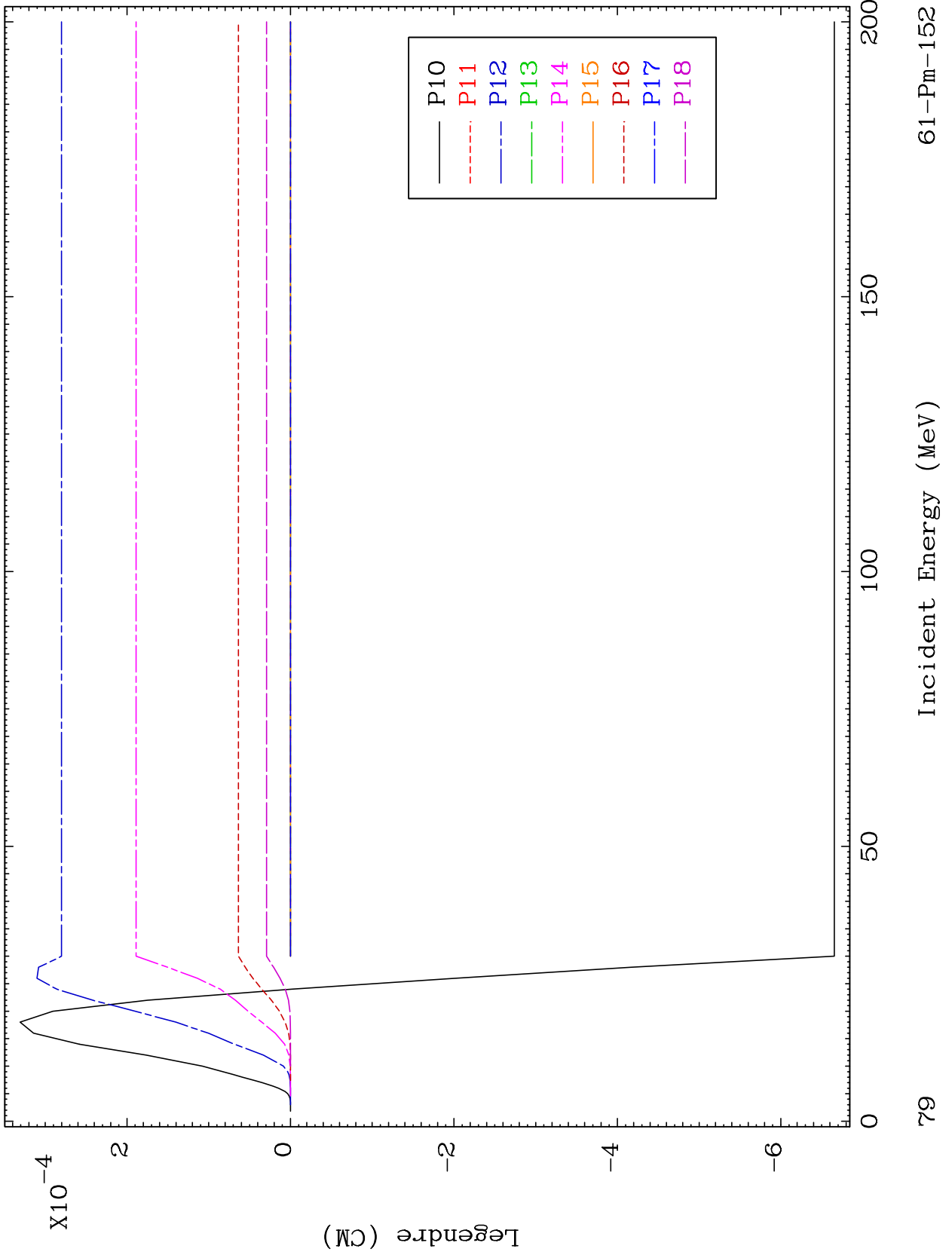




MAT 6164

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

61-Pm-152

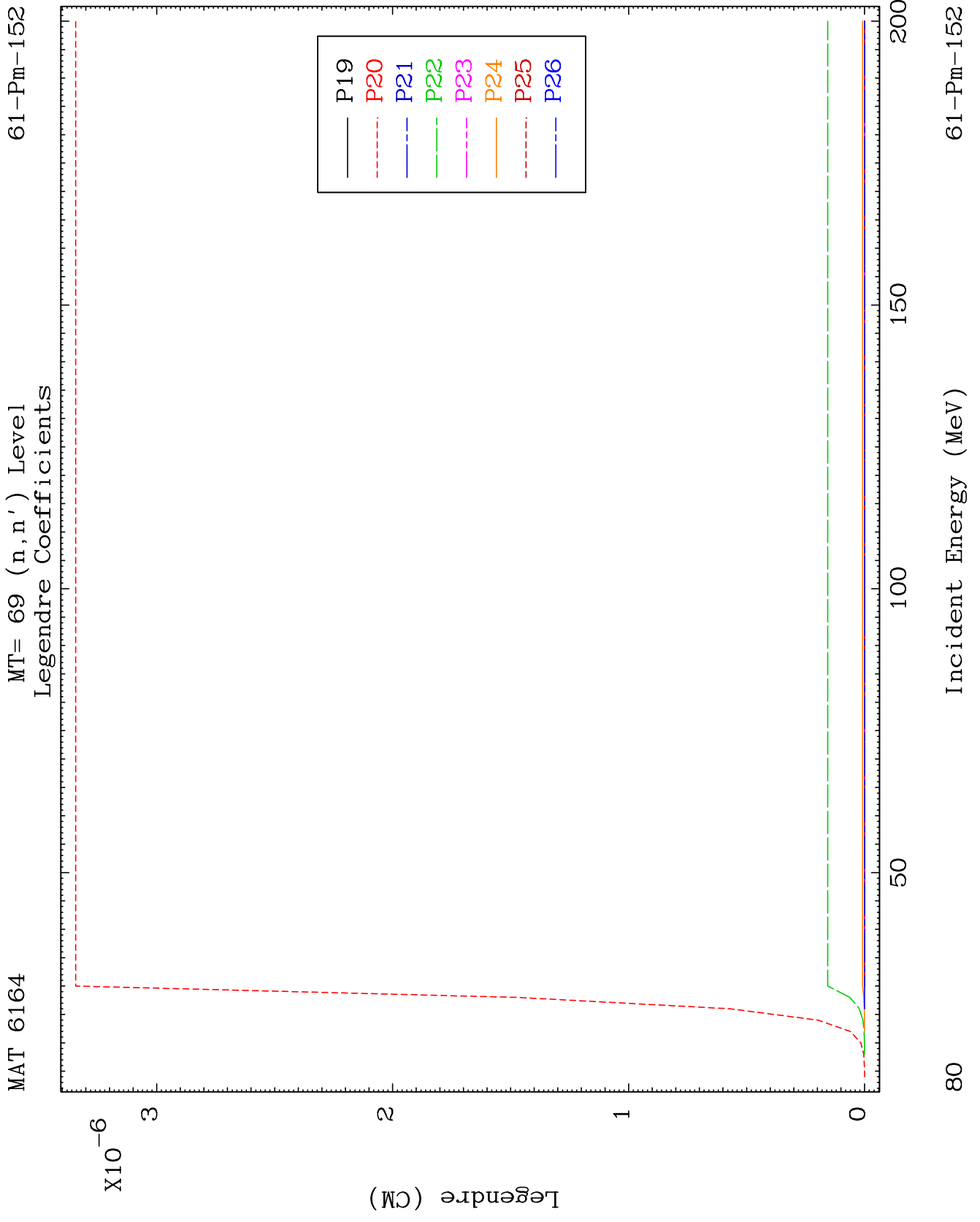


61-Pm-152

Incident Energy (MeV)

79

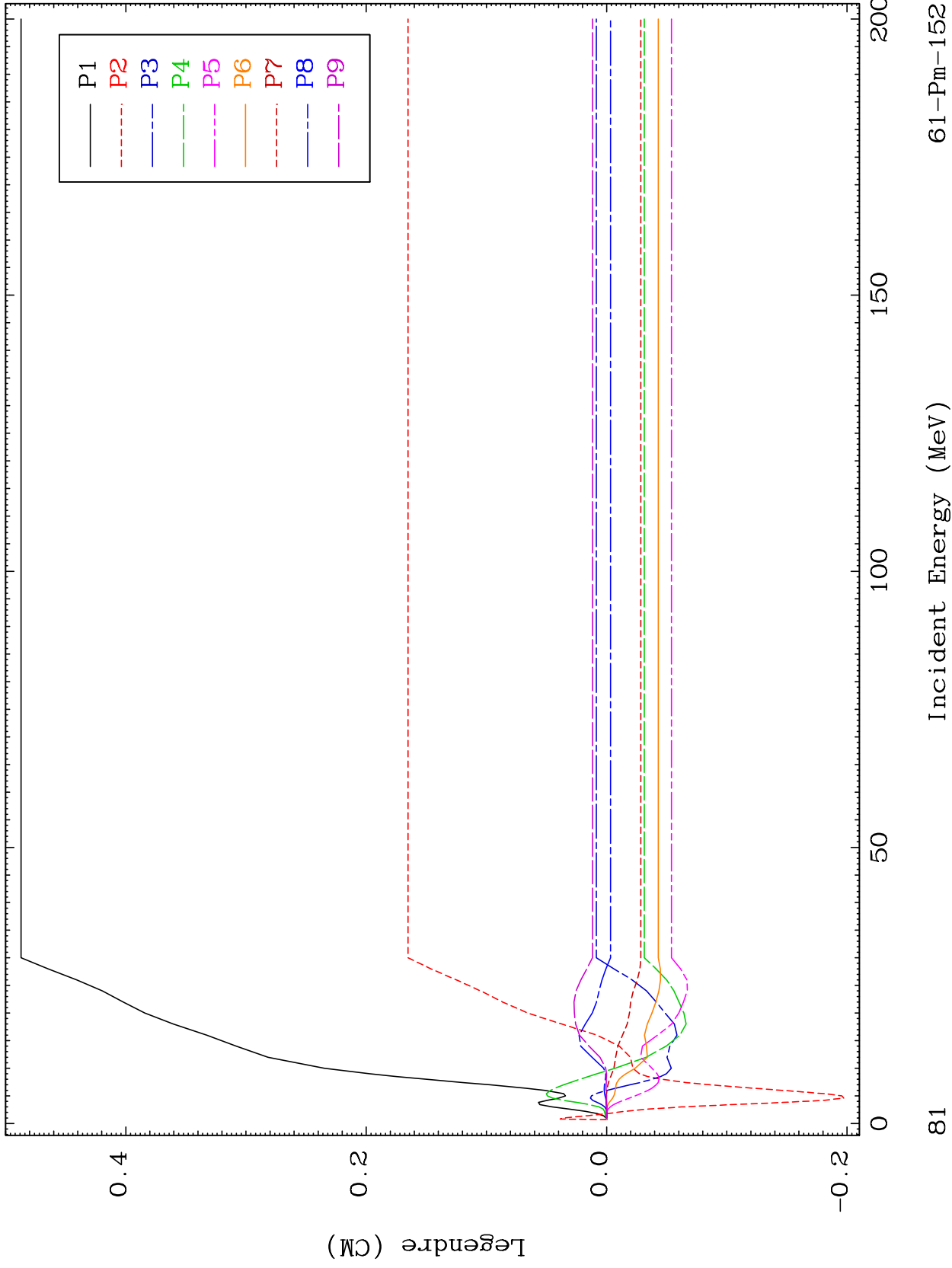




MAT 6164

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

61-Pm-152



81

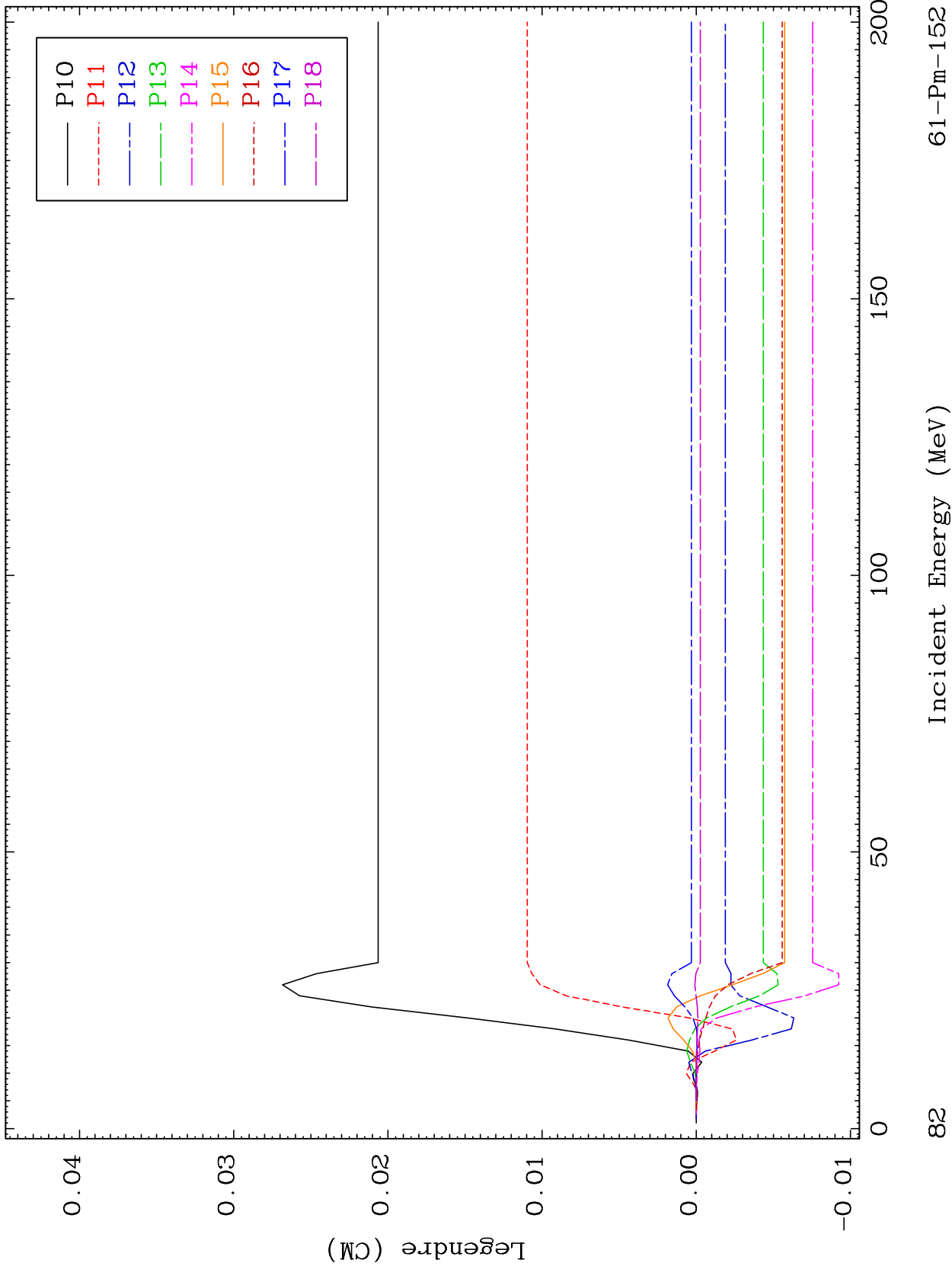
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152



61-Pm-152

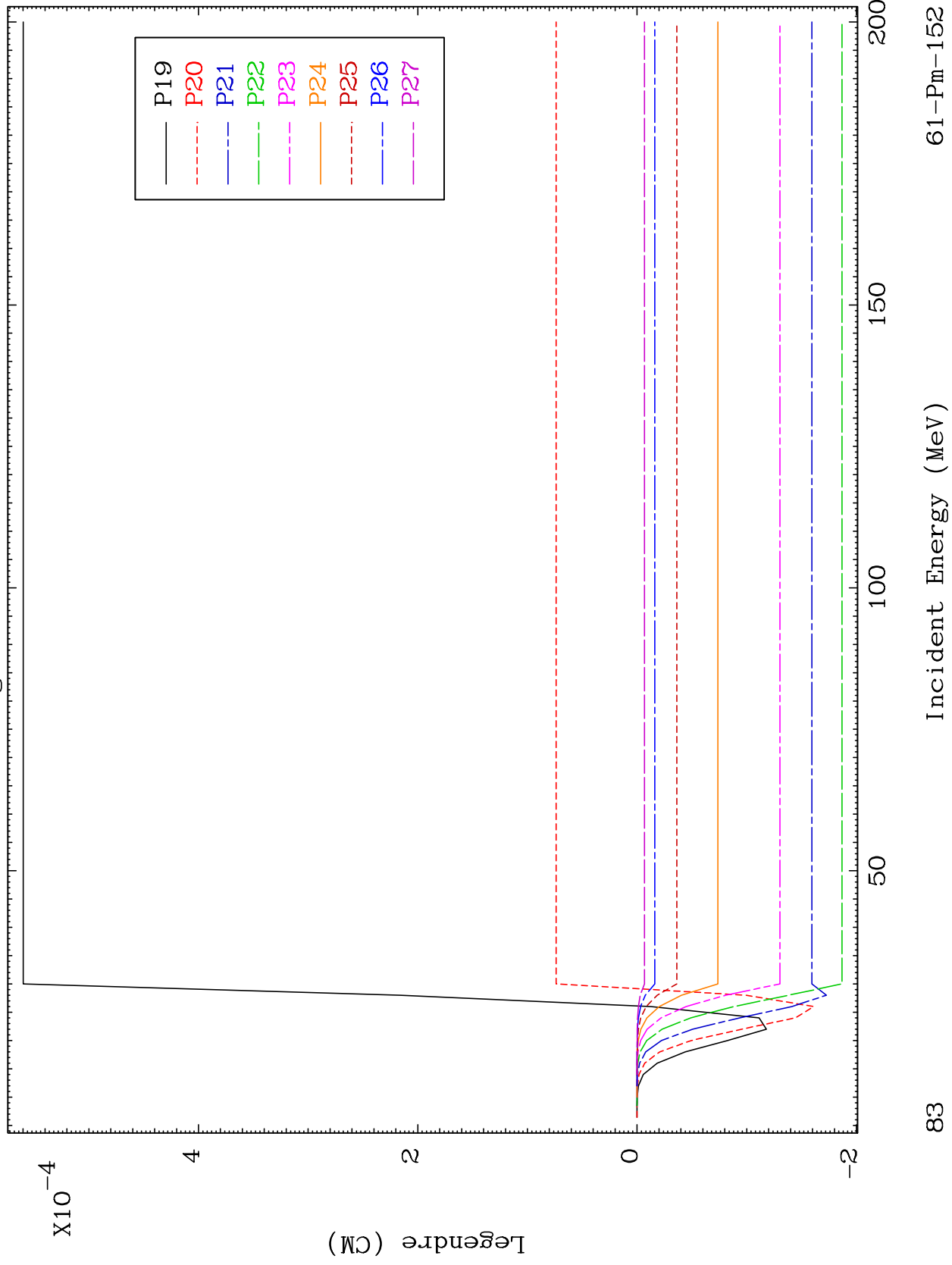
Incident Energy (MeV)

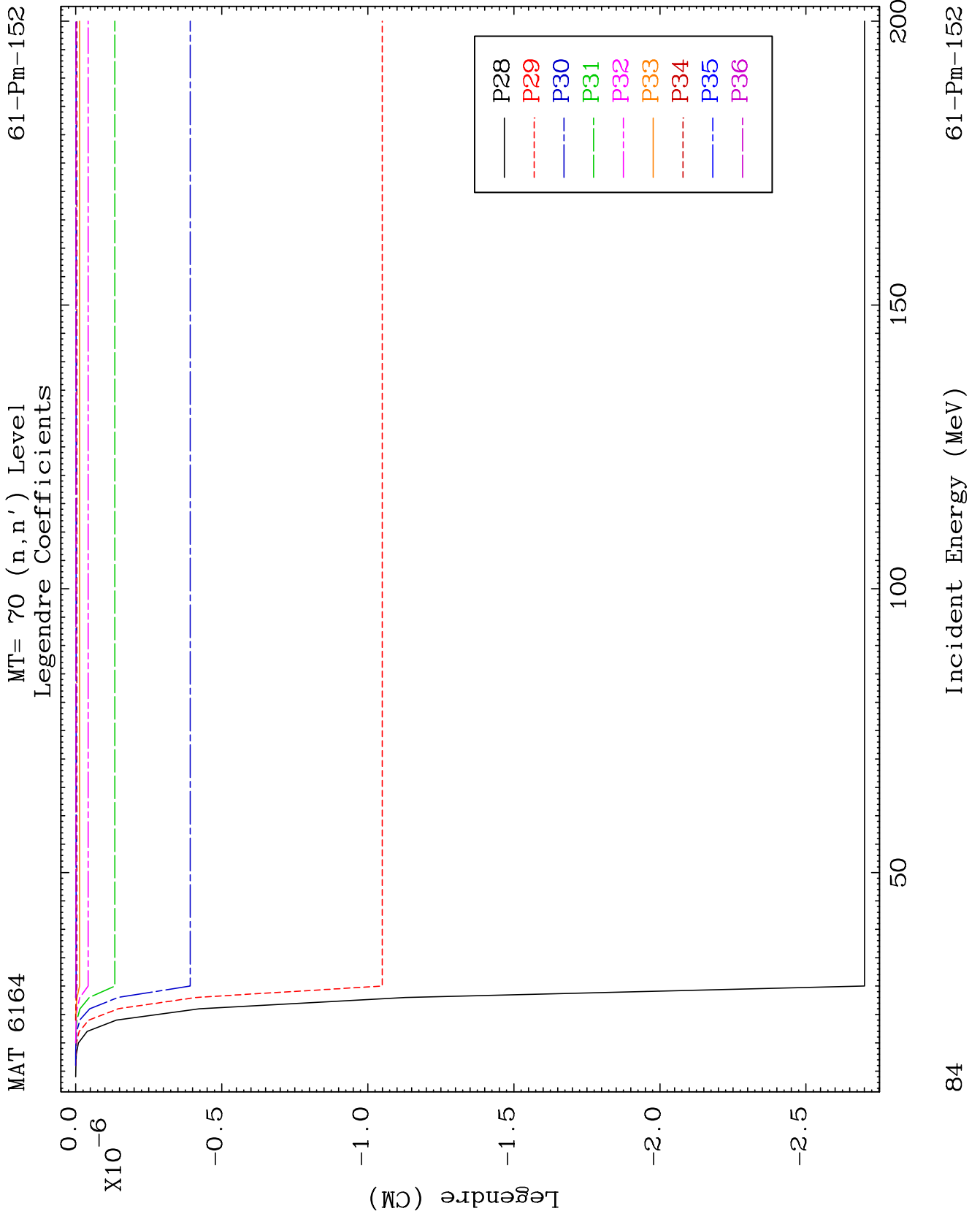
82

MAT 6164

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

61-Pm-152

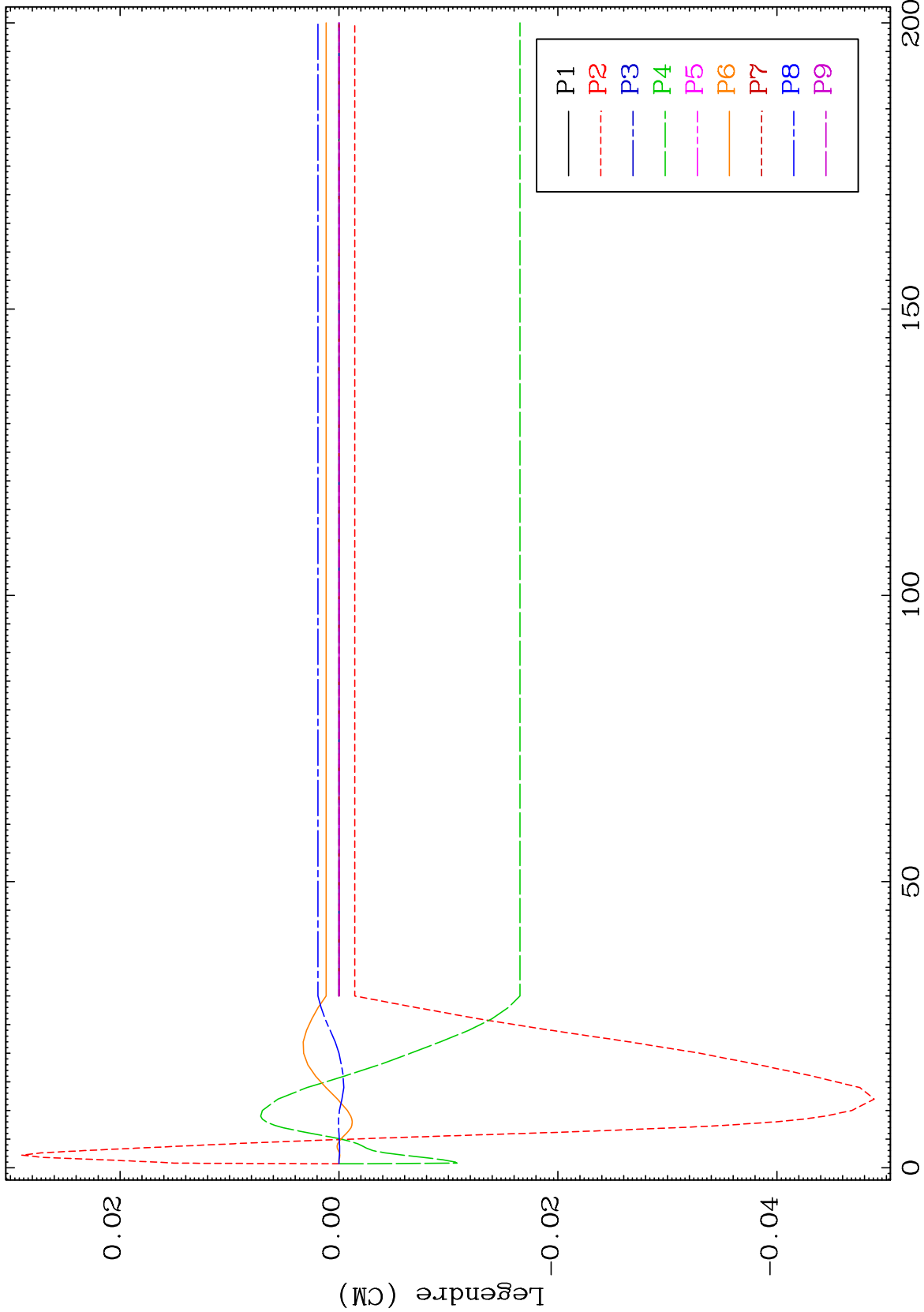




MAT 6164

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

61-Pm-152



61-Pm-152

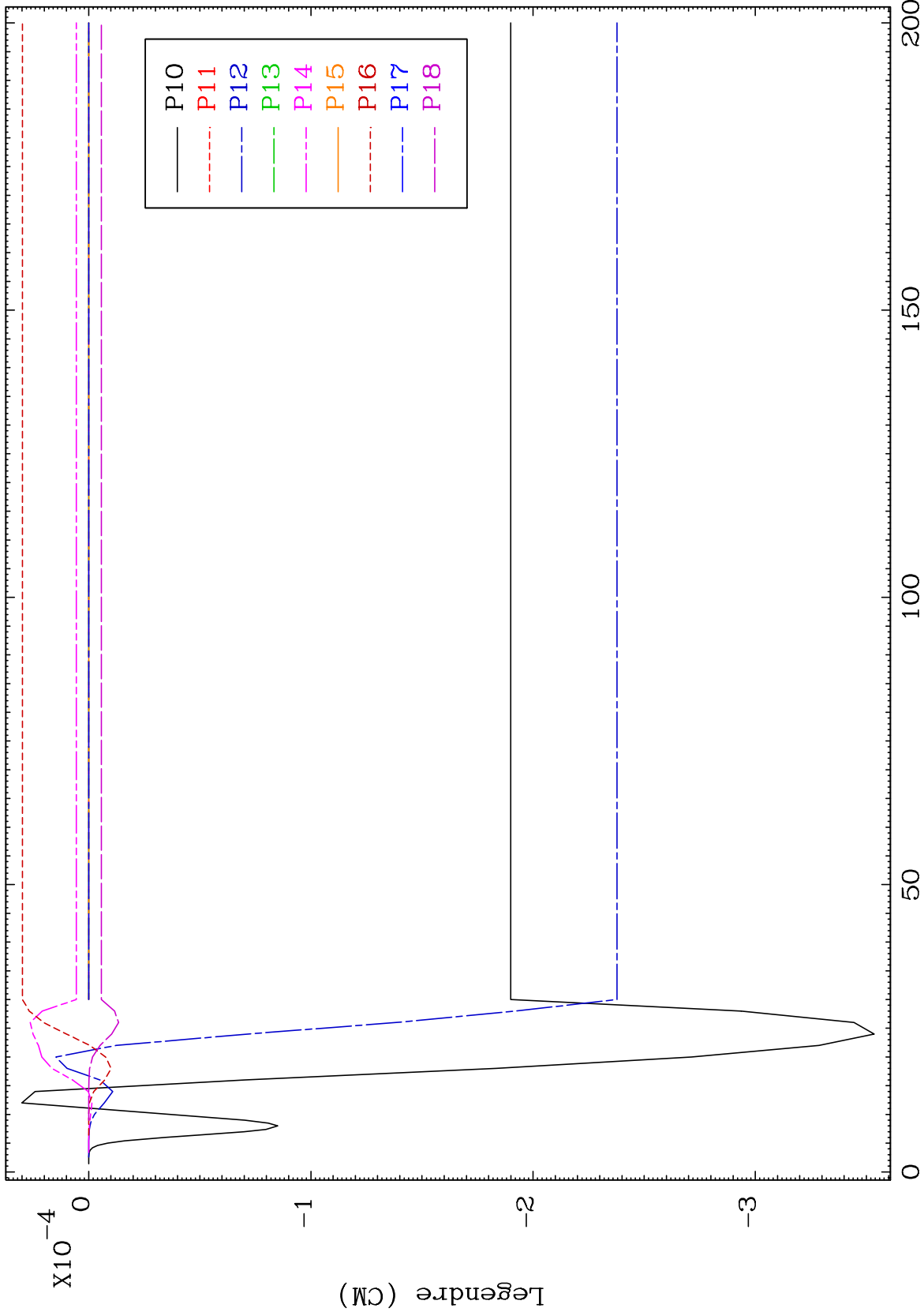
Incident Energy (MeV)

85

MAT 6164

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

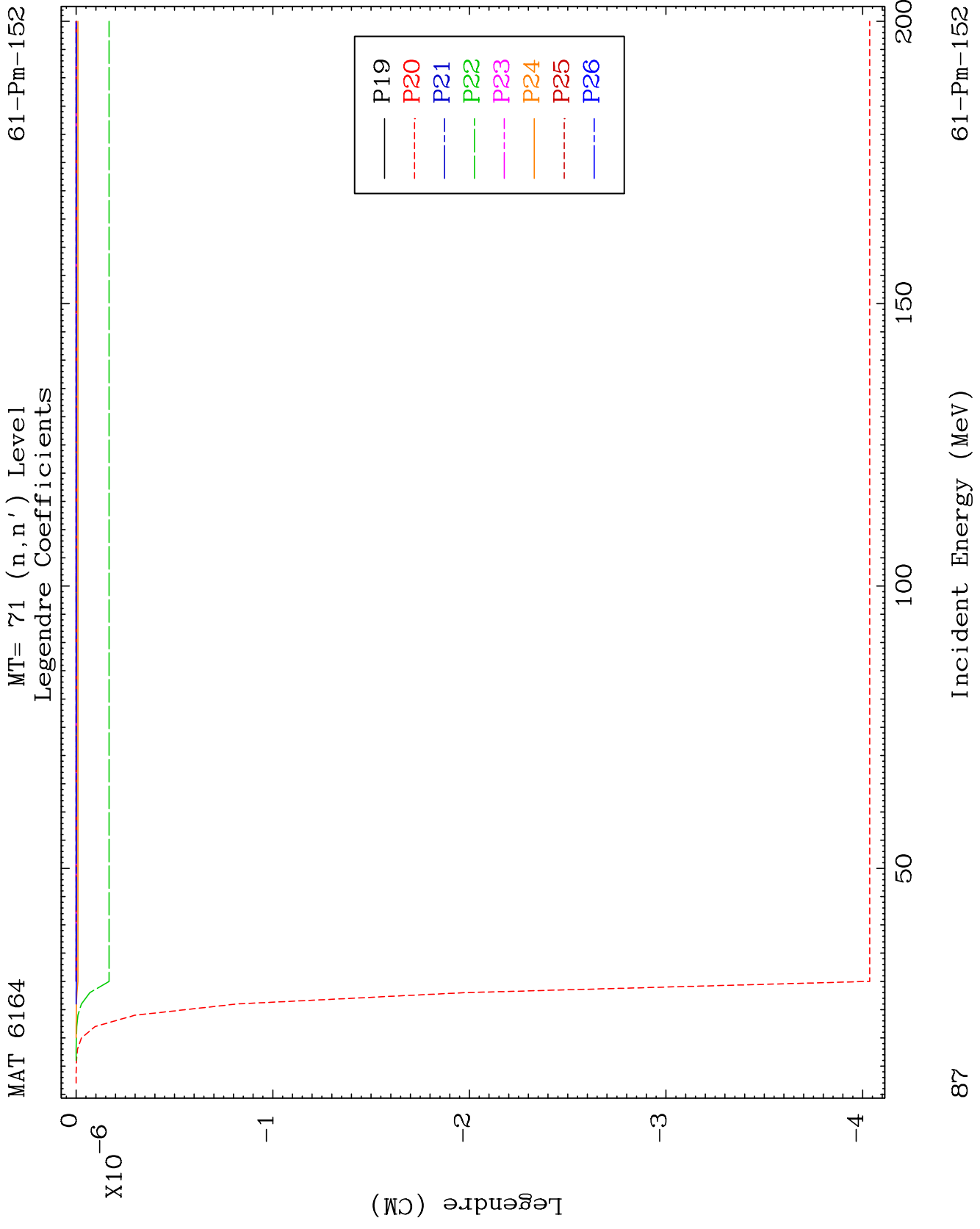
61-Pm-152



86

Incident Energy (MeV)

61-Pm-152

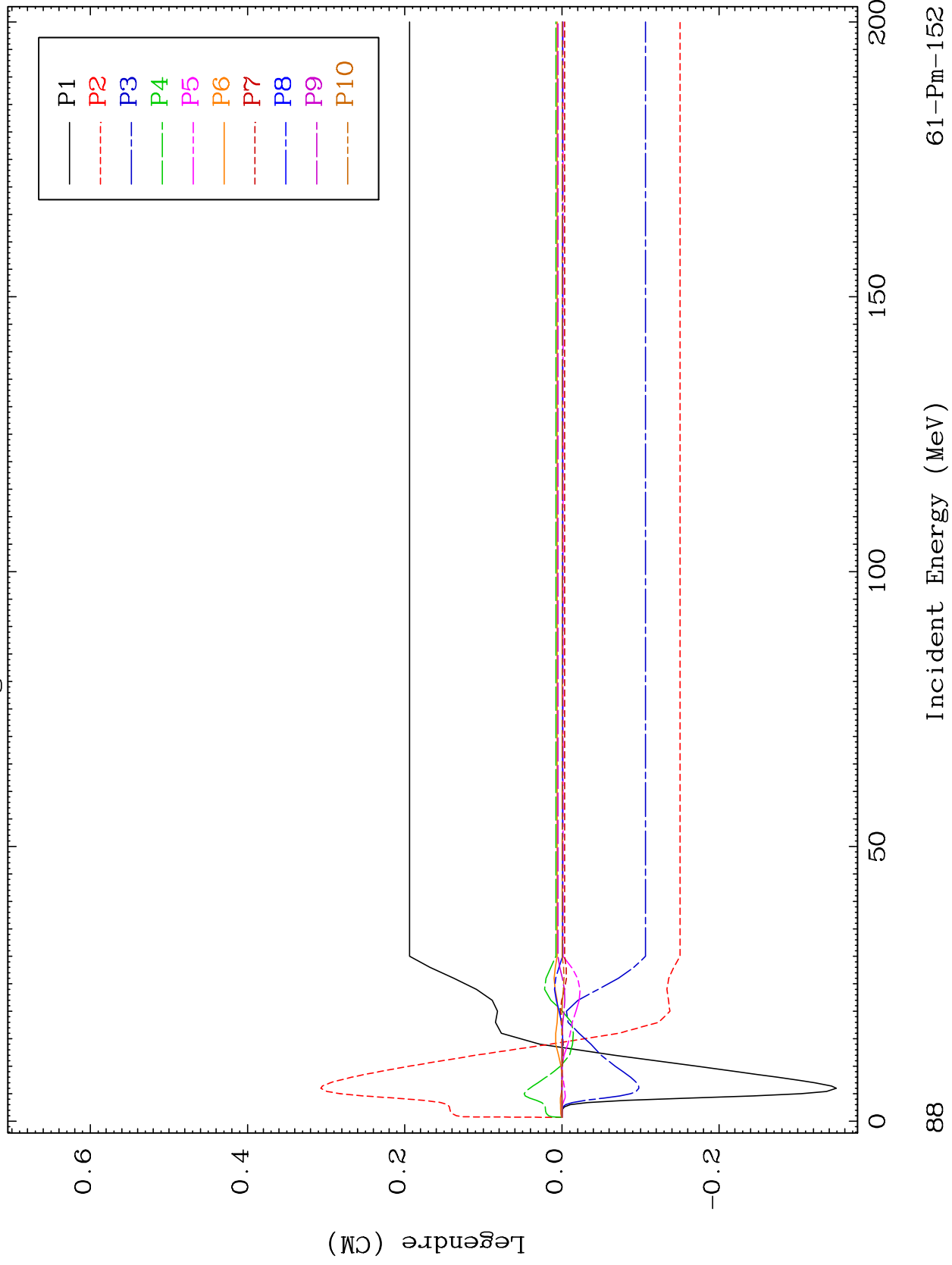




MAT 6164

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

61-Pm-152



61-Pm-152

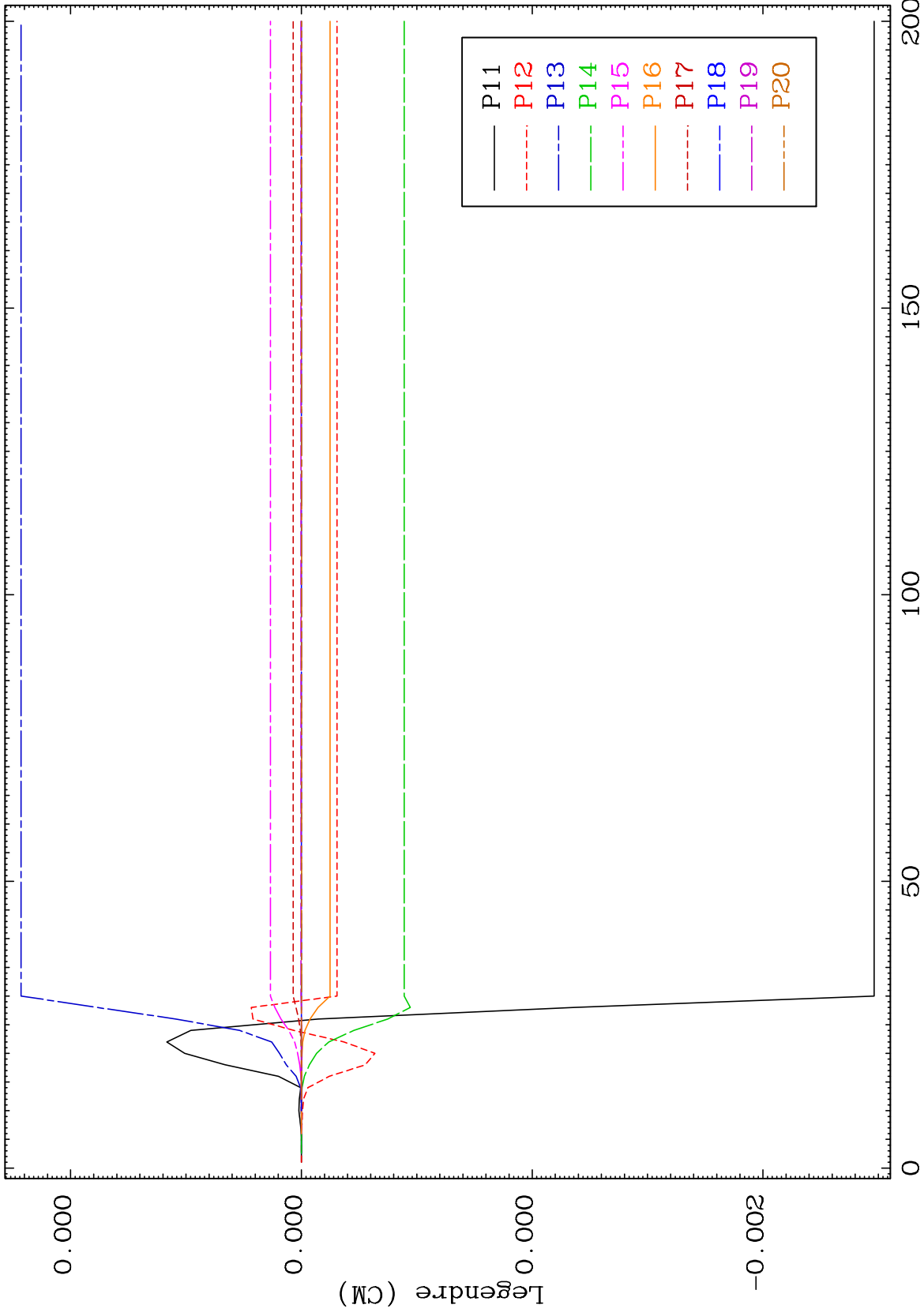
Incident Energy (MeV)

88

MAT 6164

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

61-Pm-152



89

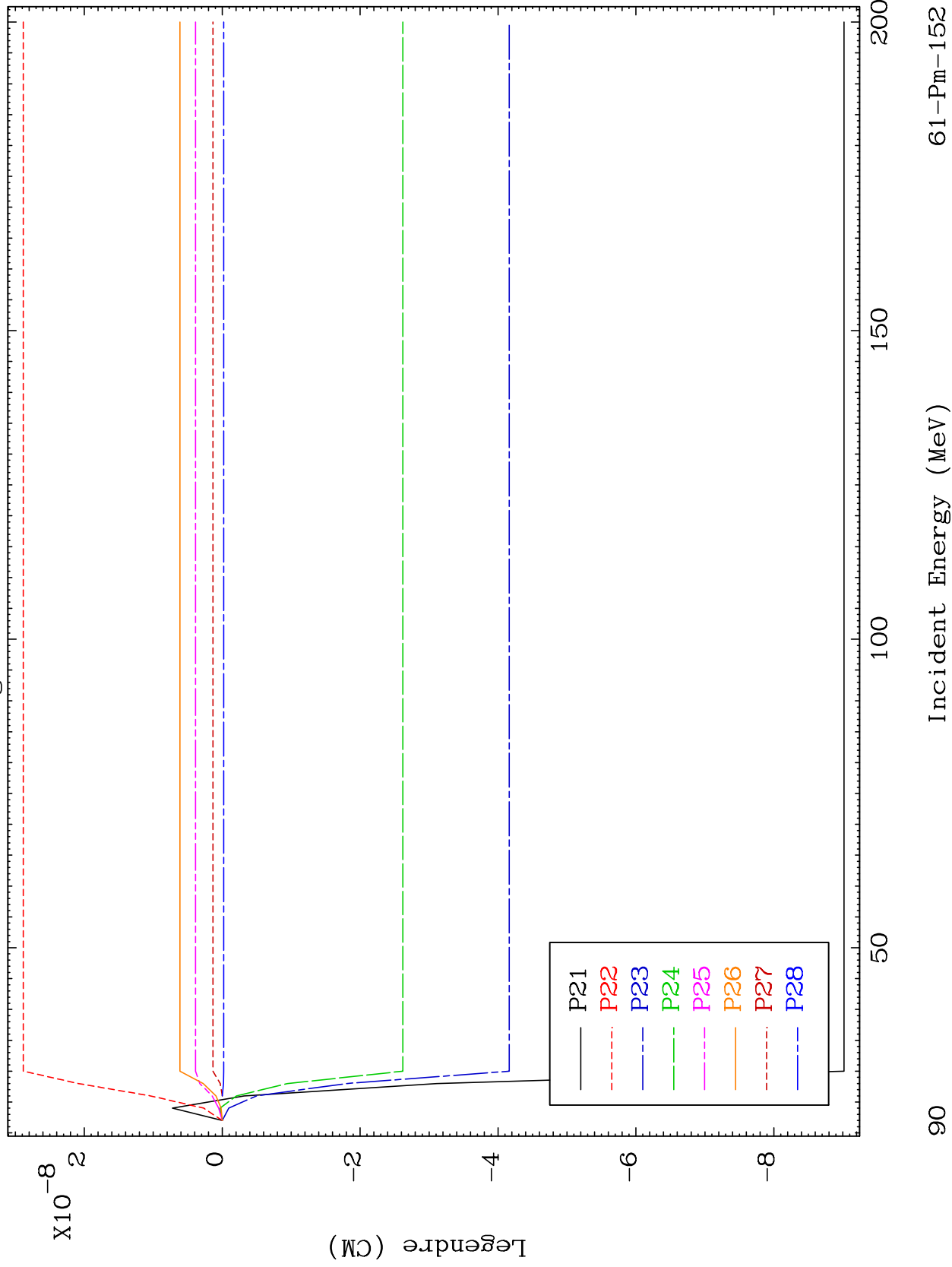
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152



90

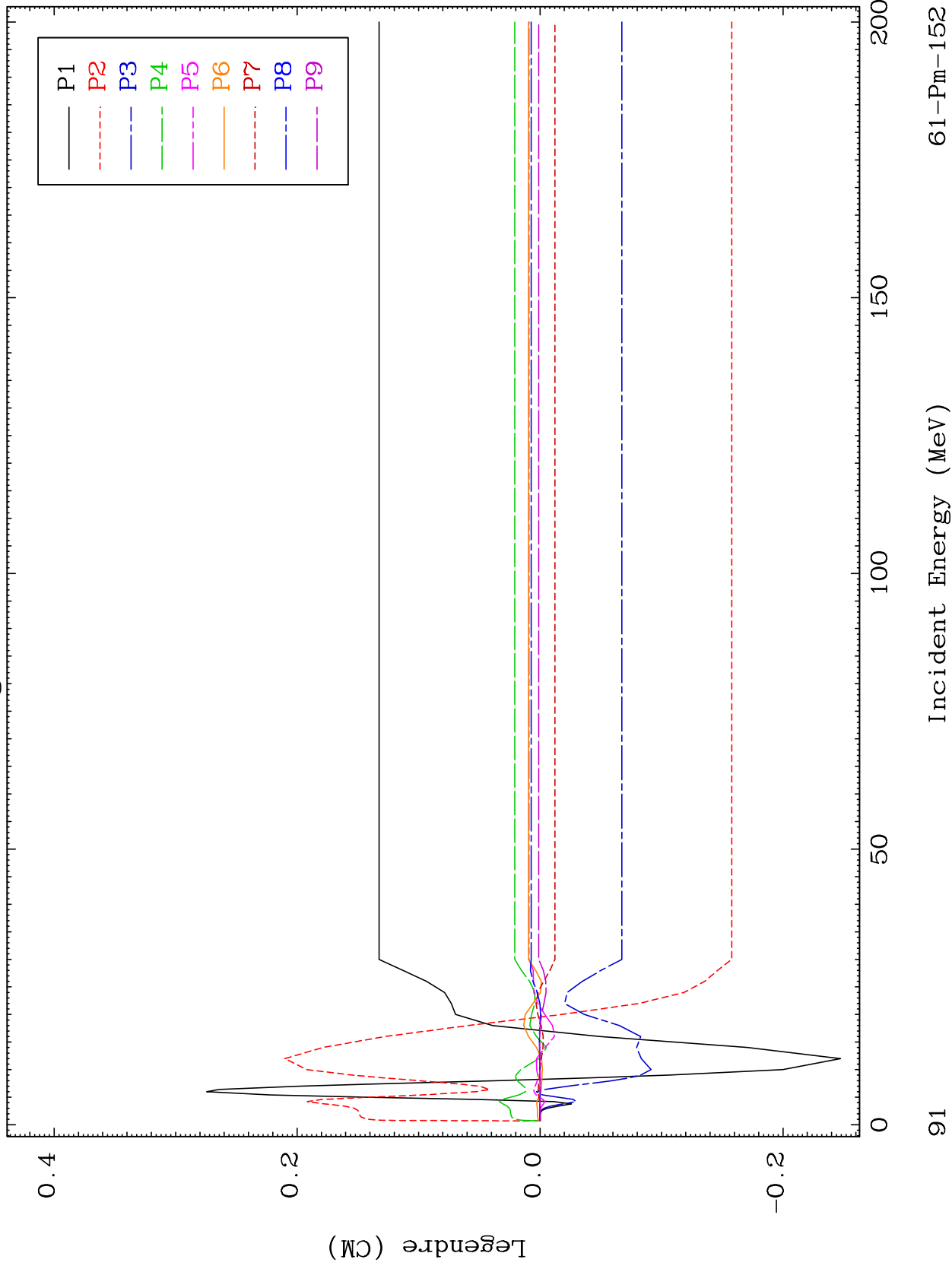
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

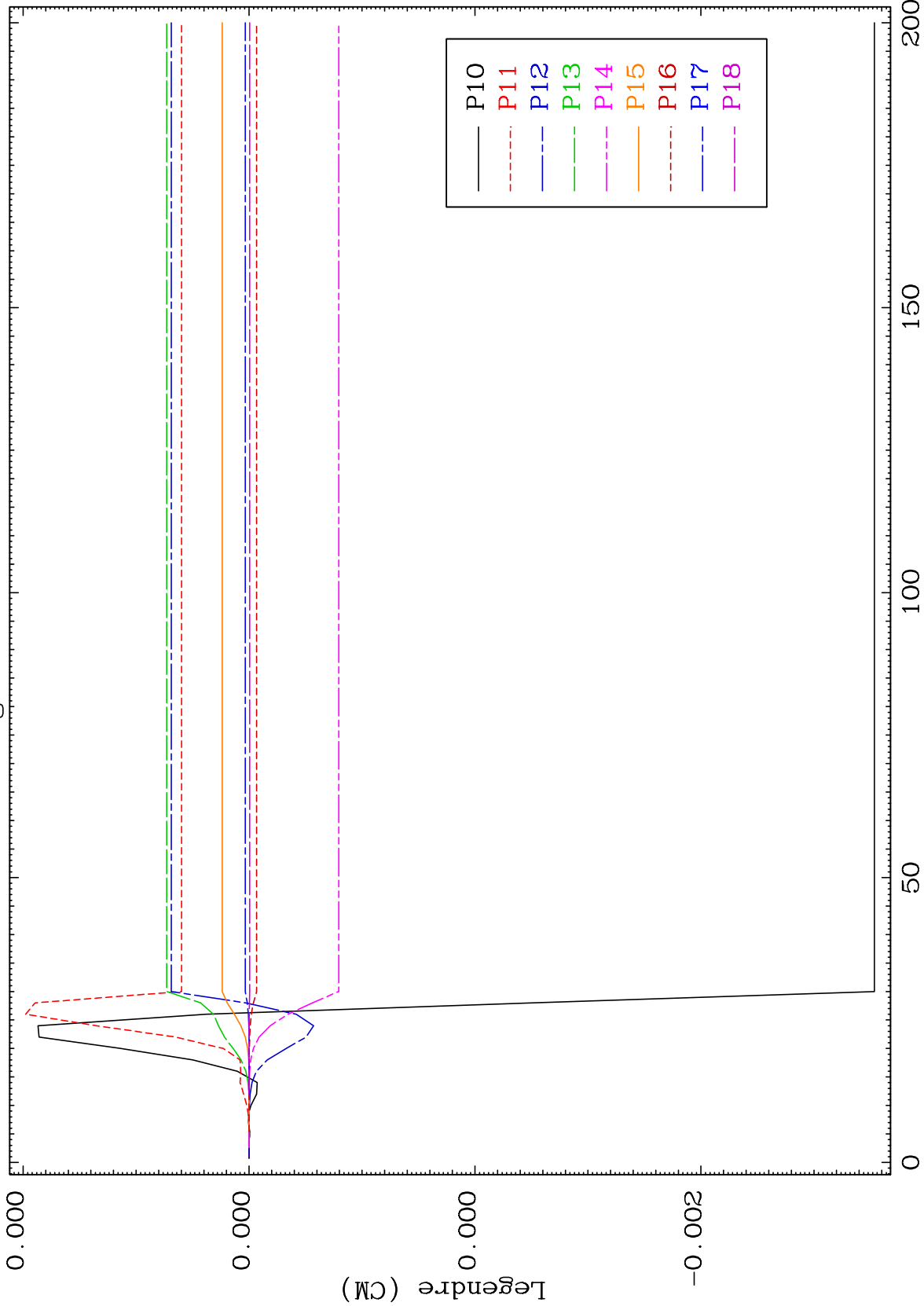
61-Pm-152



MAT 6164

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

61-Pm-152



92

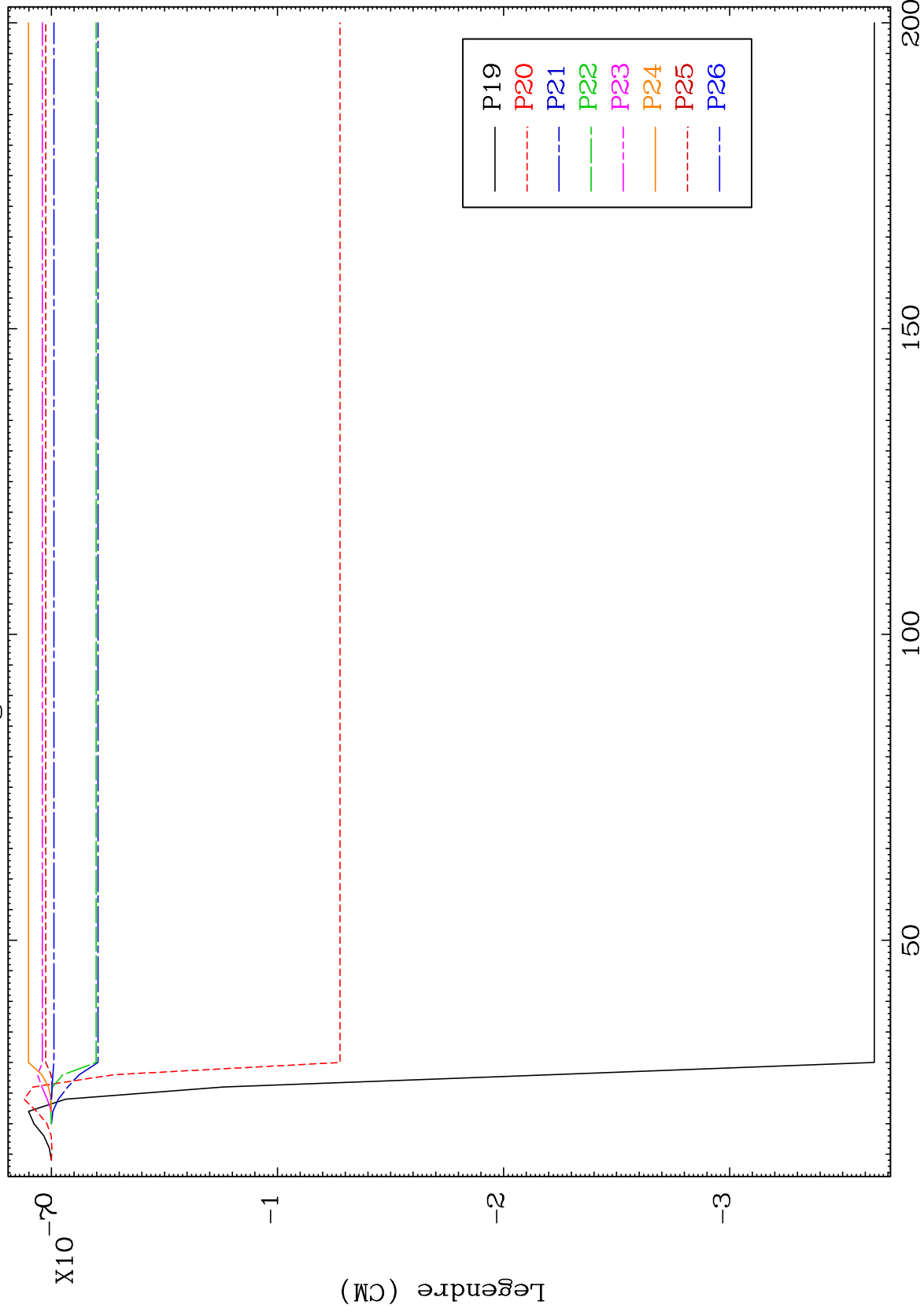
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152



93

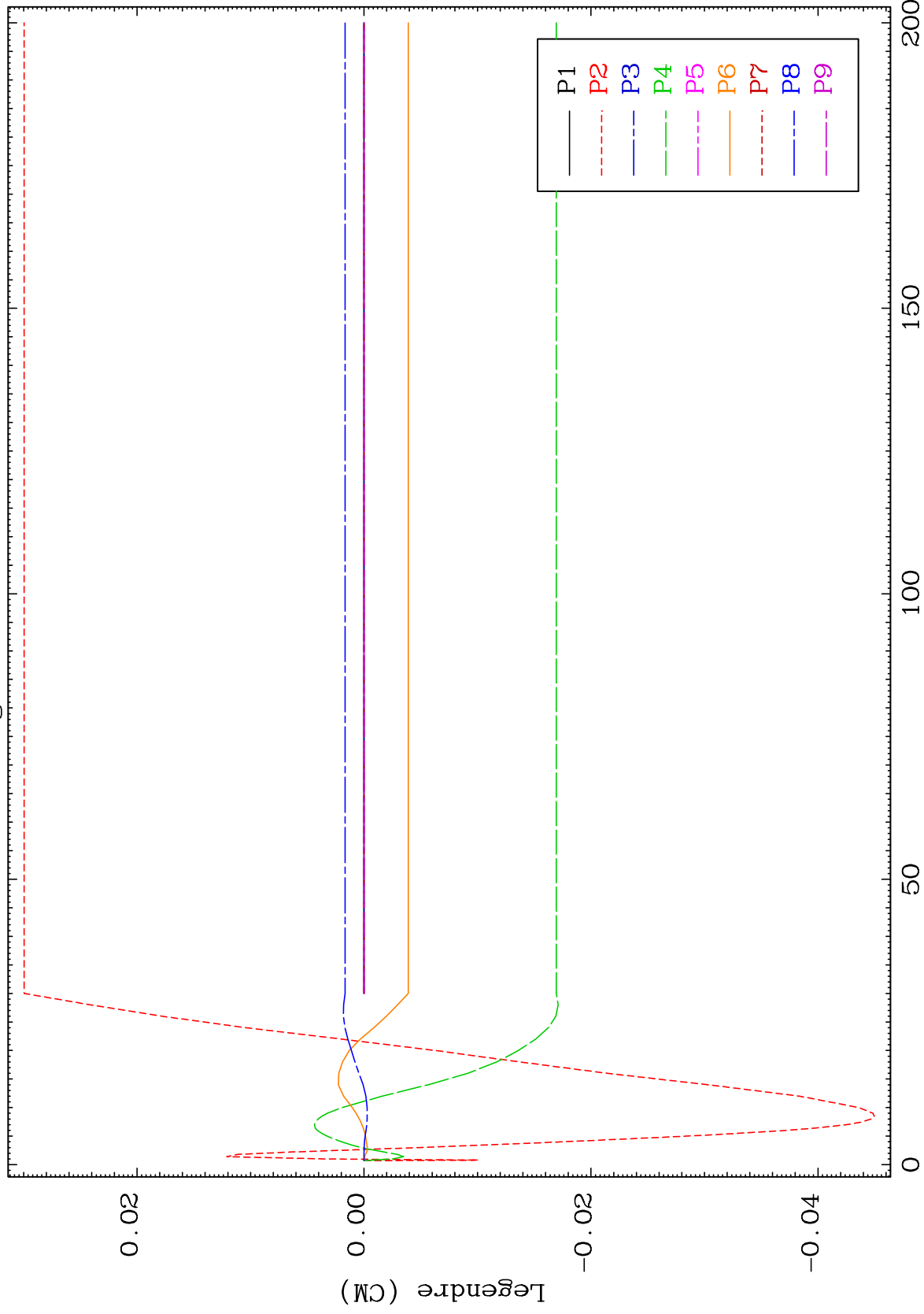
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152



94

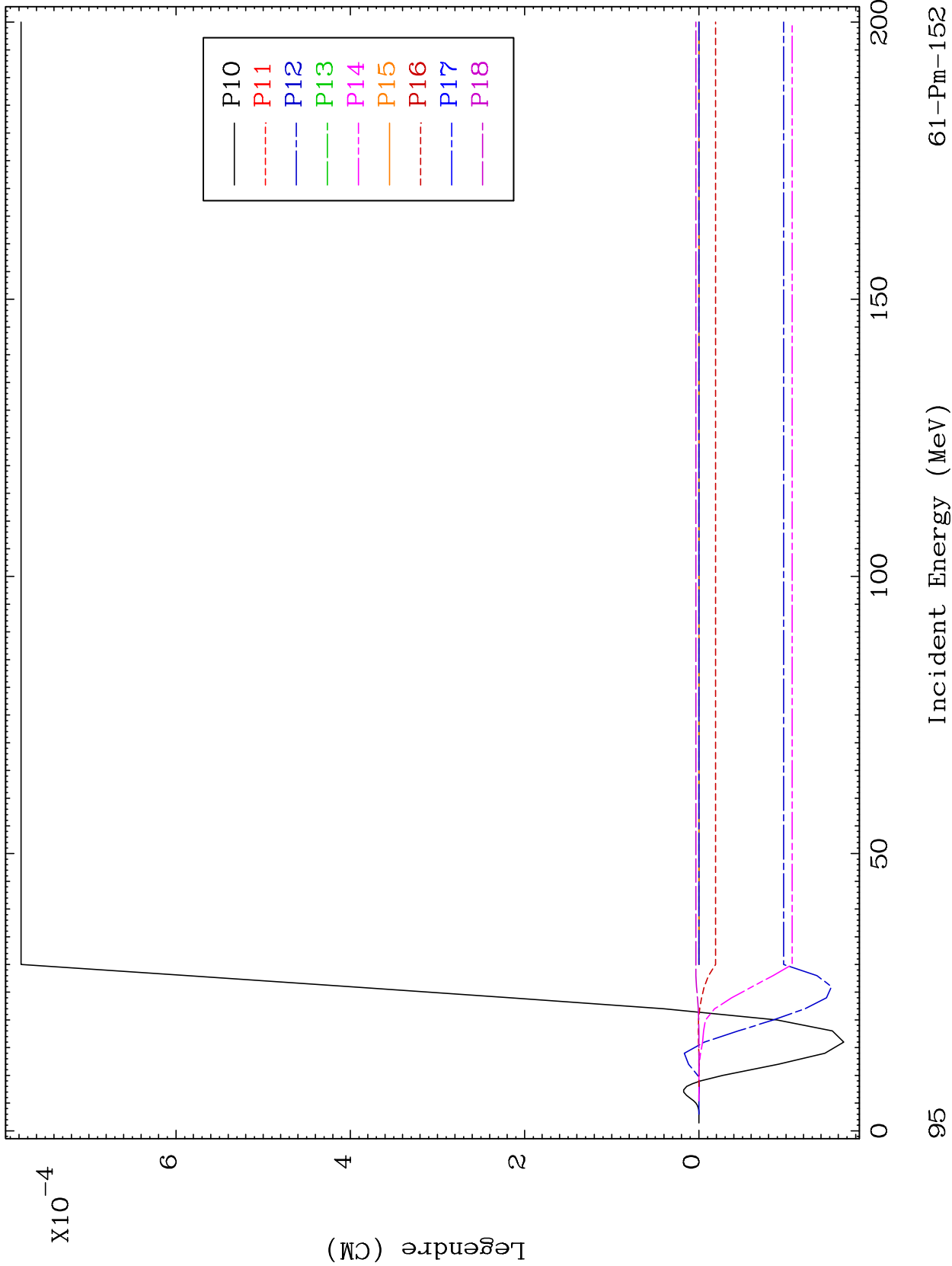
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152

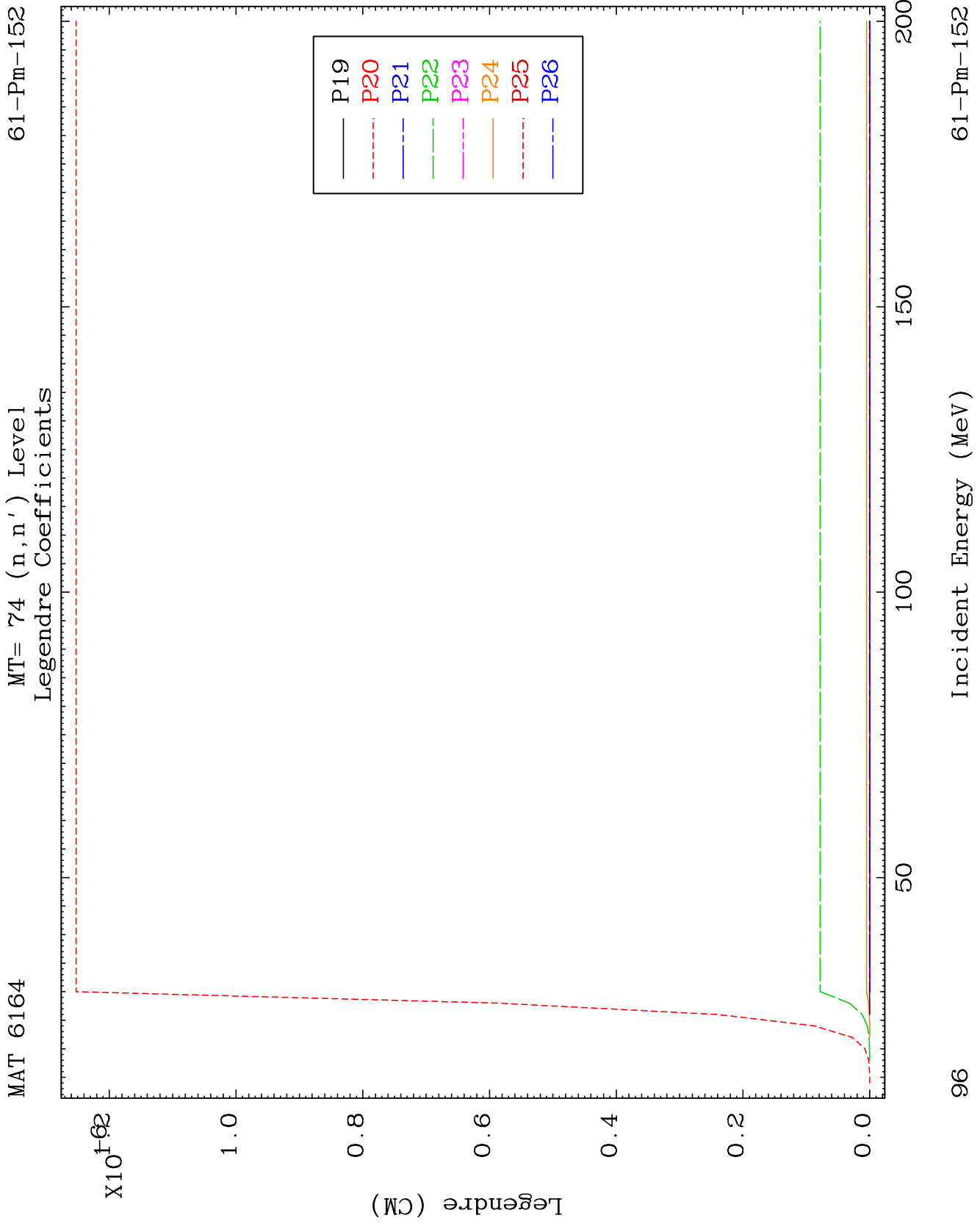


61-Pm-152

Incident Energy (MeV)

95

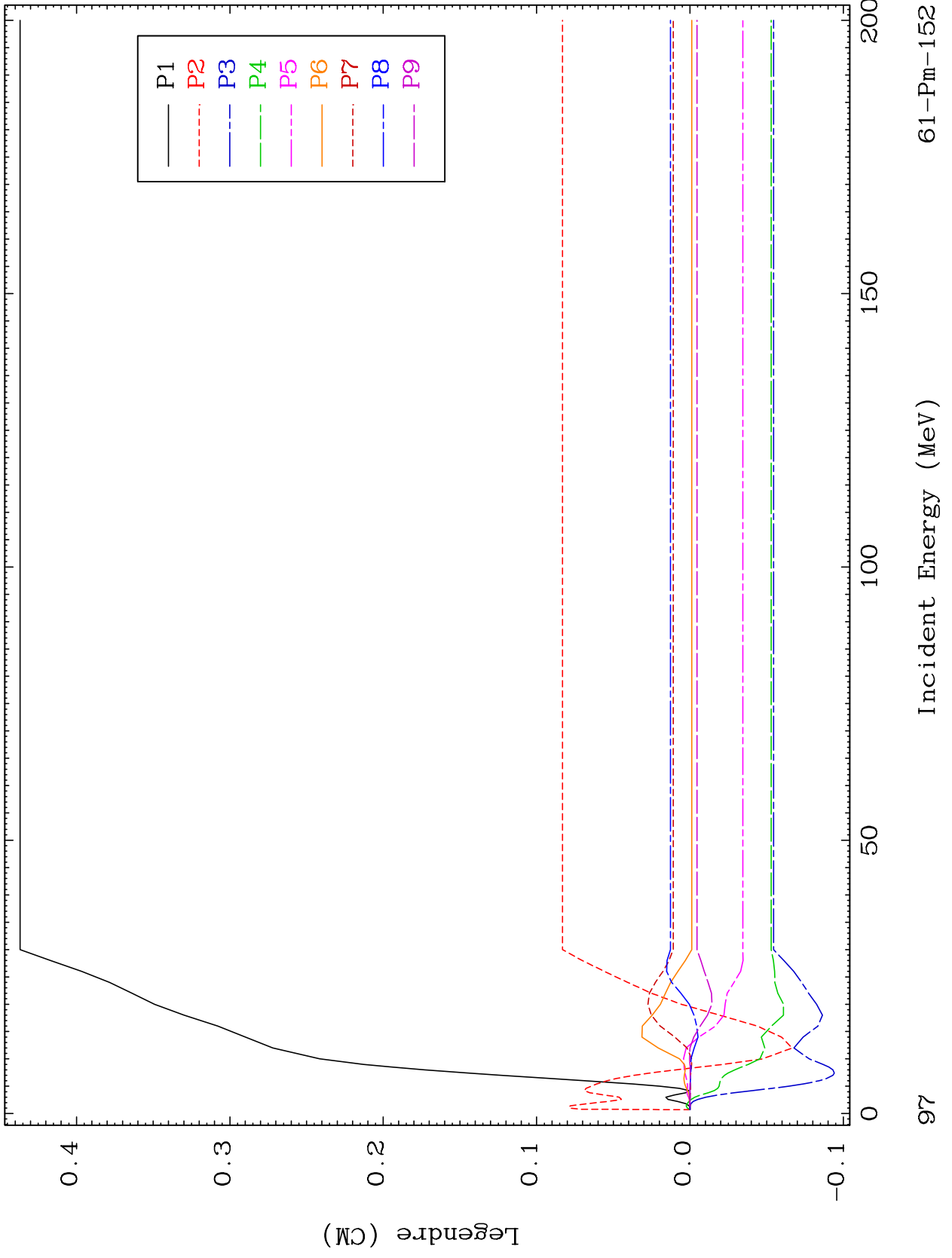




MAT 6164

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

61-Pm-152



61-Pm-152

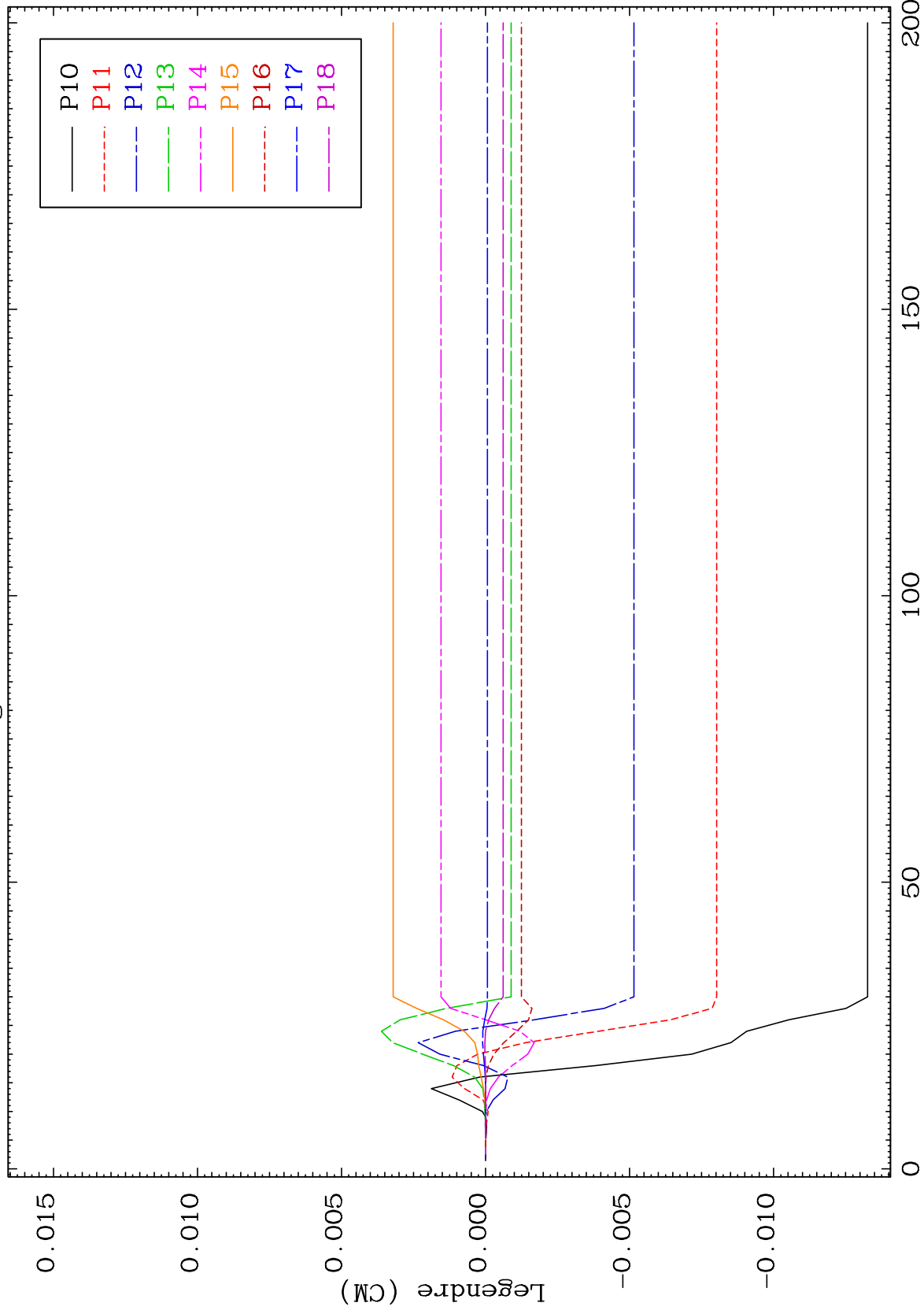
Incident Energy (MeV)

97

MAT 6164

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

61-Pm-152



98

Incident Energy (MeV)

61-Pm-152

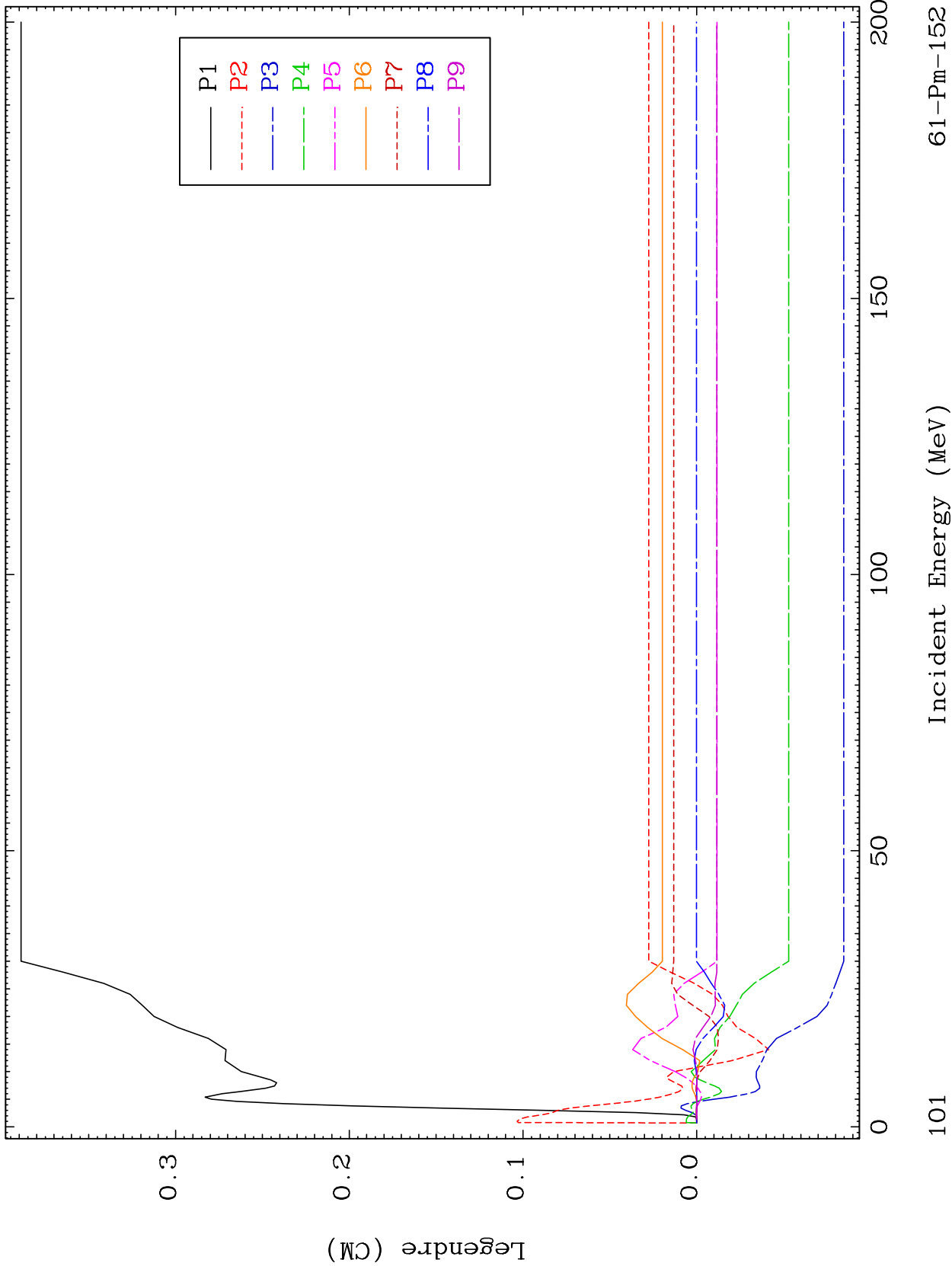




MAT 6164

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

61-Pm-152



101

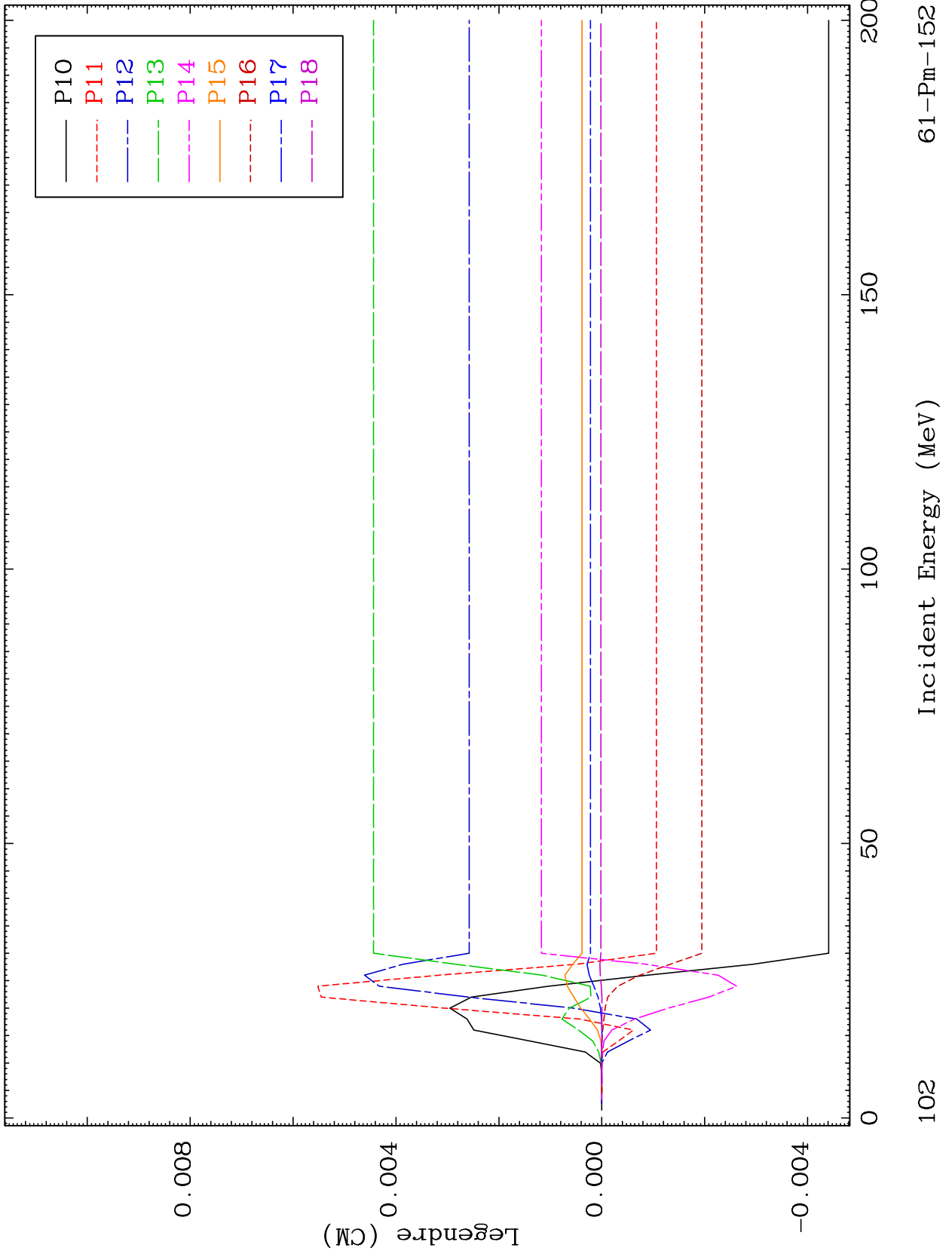
Incident Energy (MeV)

61-Pm-152

MAT 6164

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

61-Pm-152



61-Pm-152

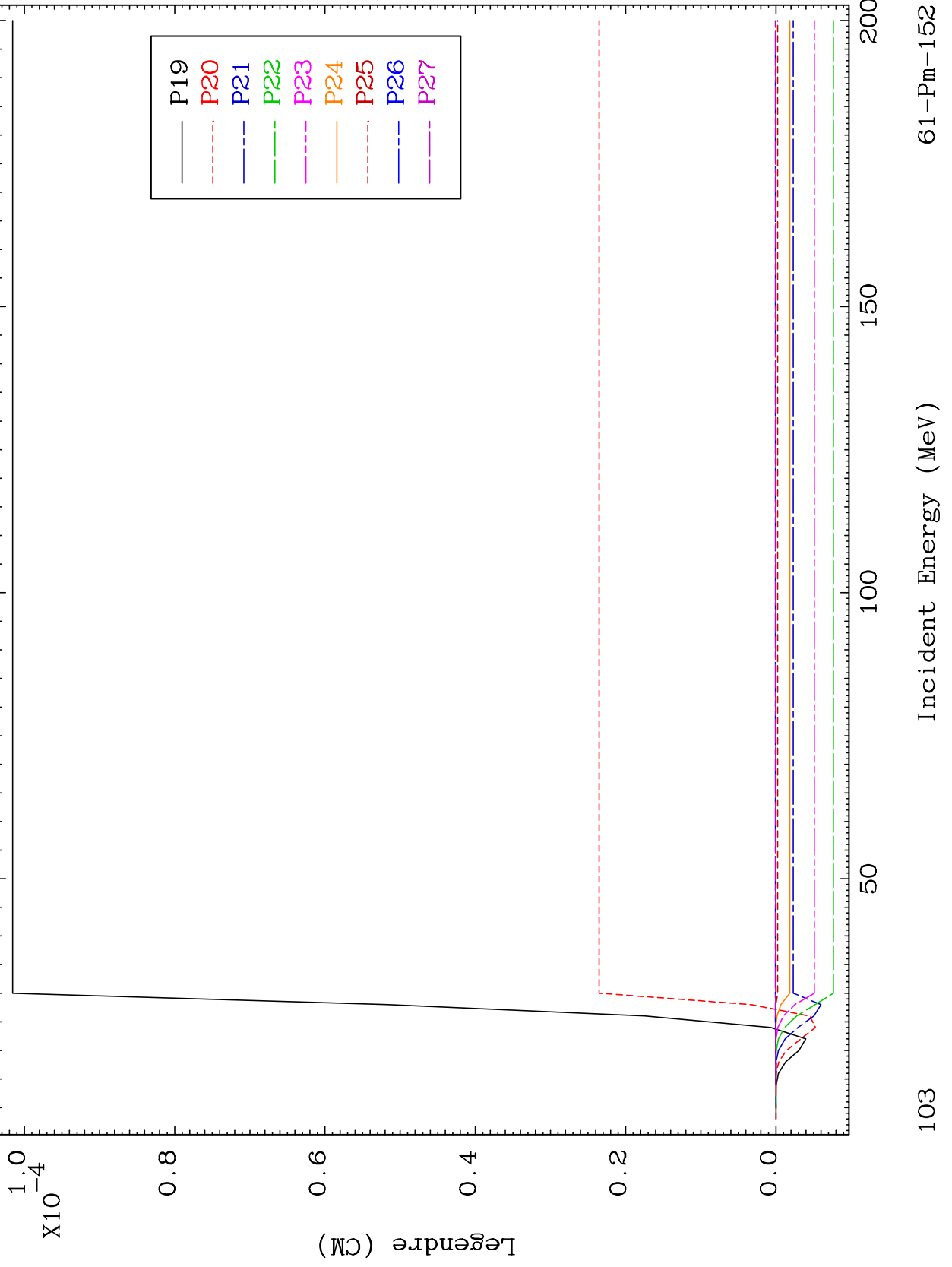
Incident Energy (MeV)

102

MAT 6164

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

61-Pm-152

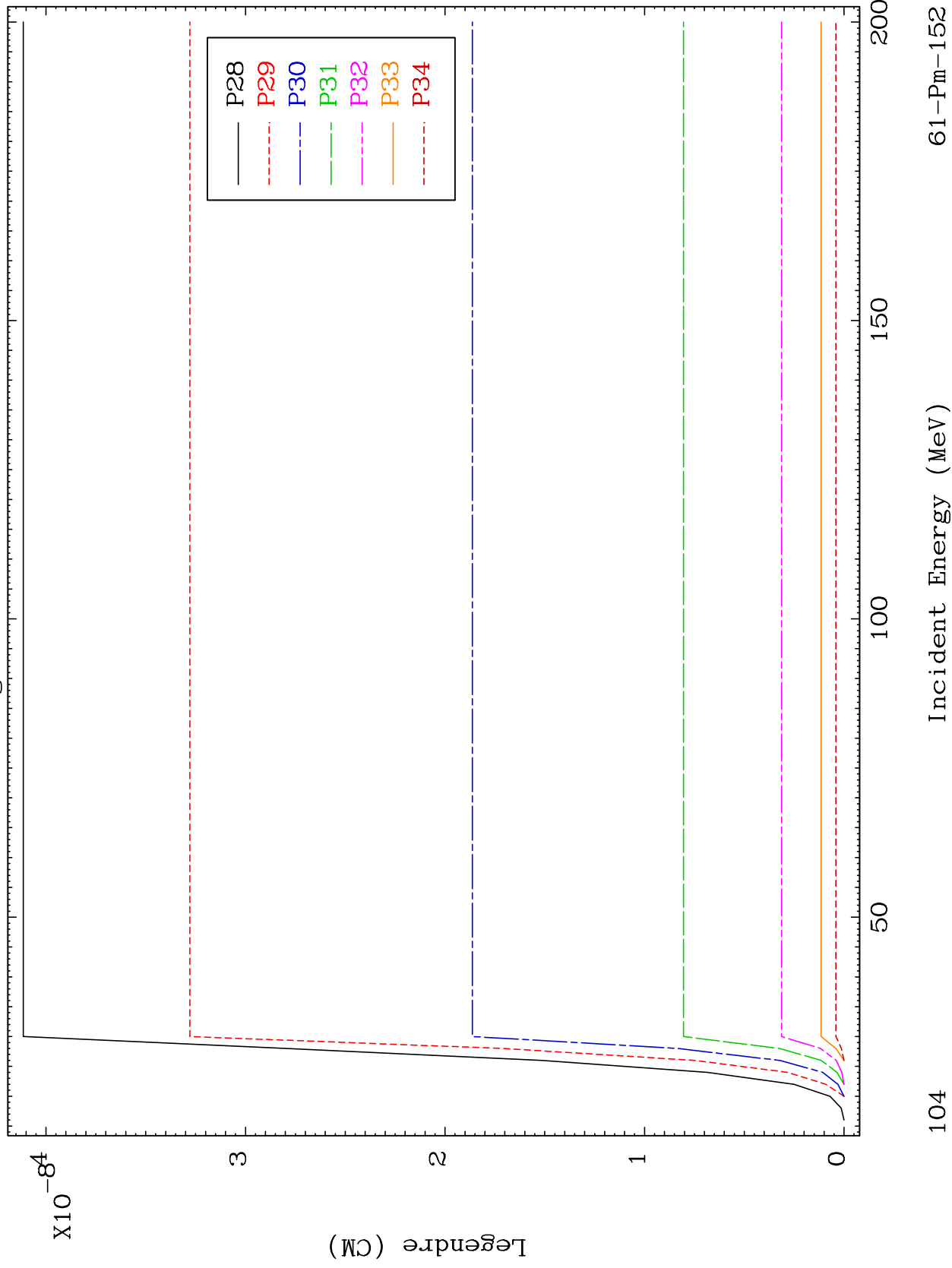




MAT 6164

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

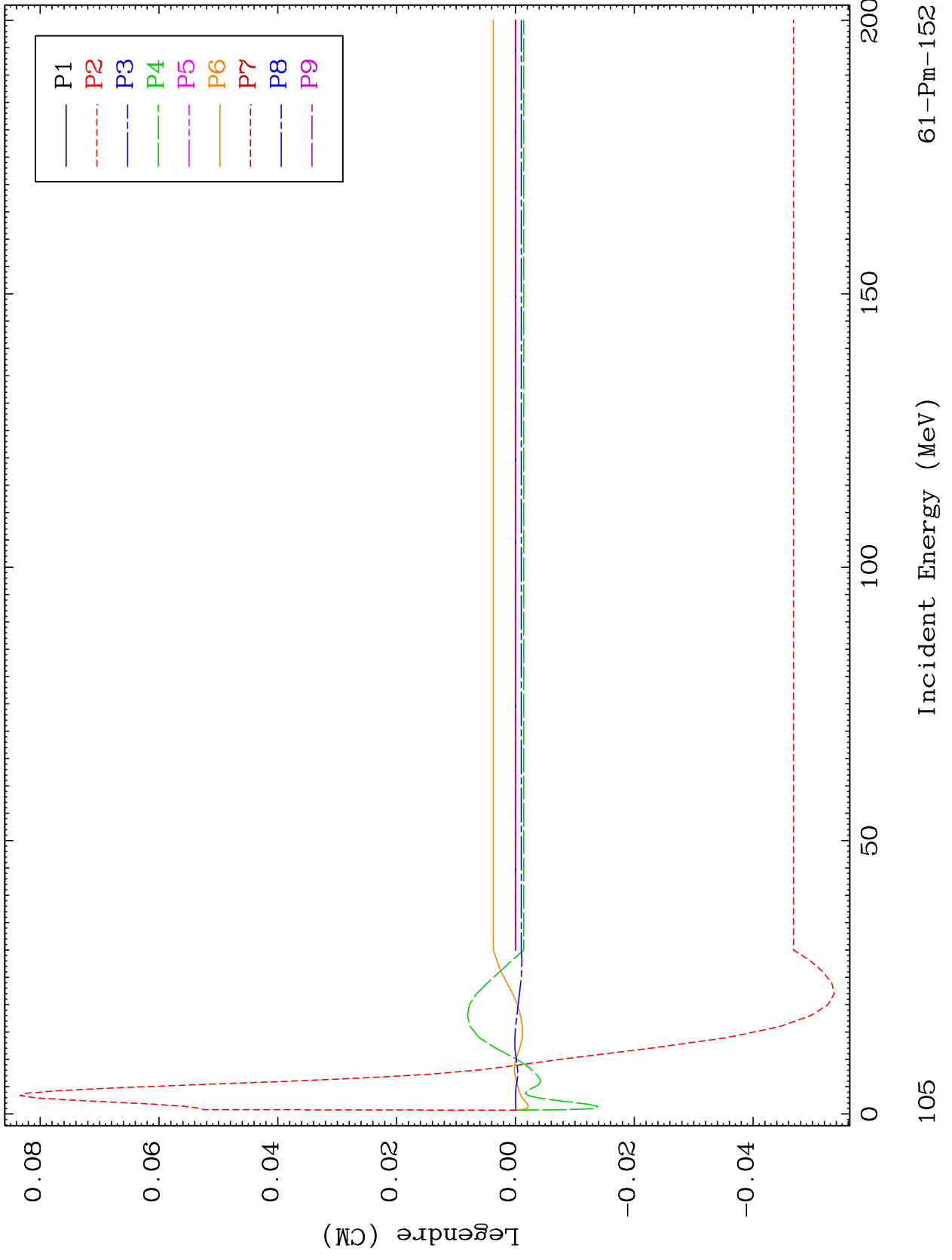
61-Pm-152



MAT 6164

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

61-Pm-152



61-Pm-152

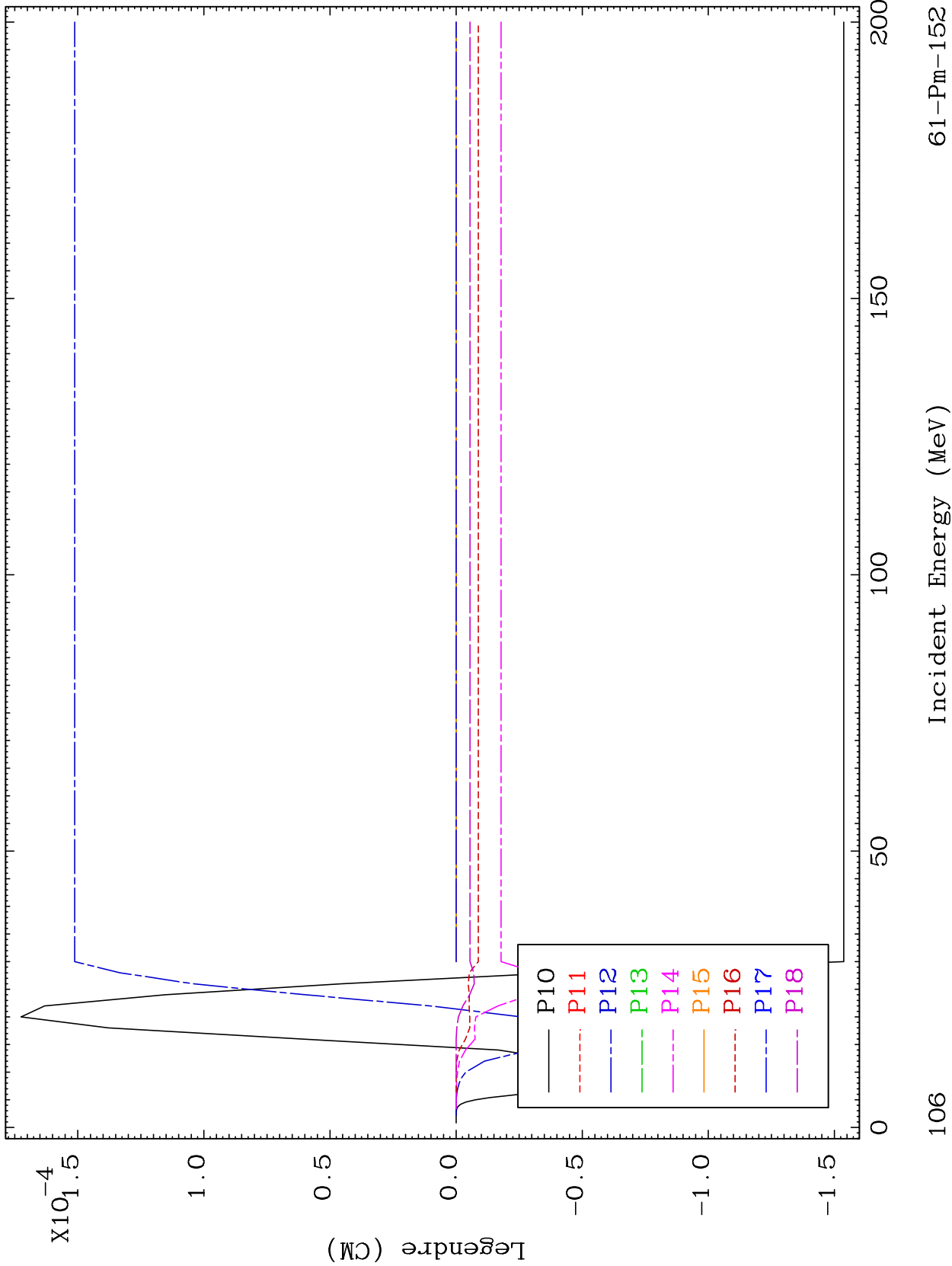
Incident Energy (MeV)

105

MAT 6164

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

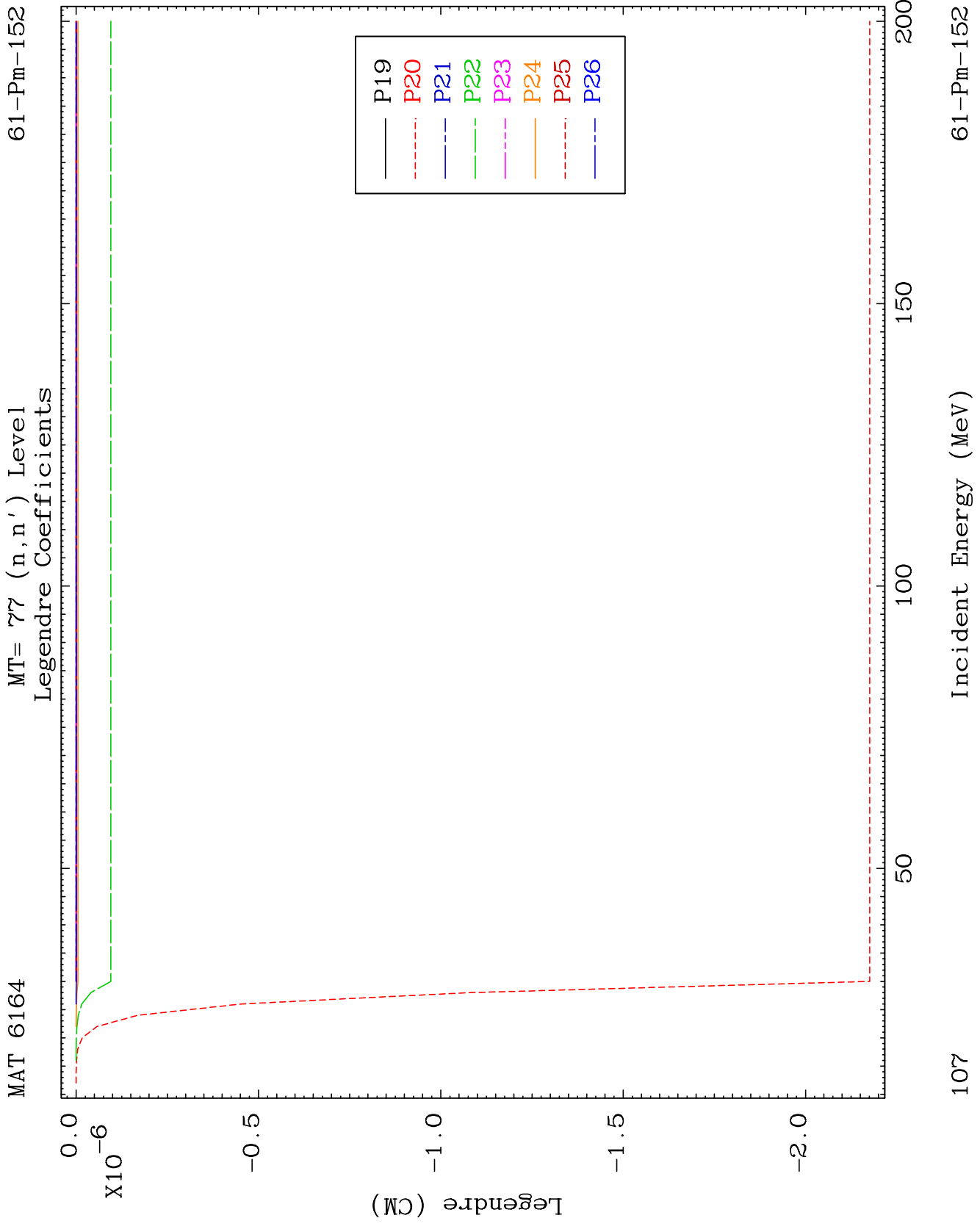
61-Pm-152



106

Incident Energy (MeV)

61-Pm-152



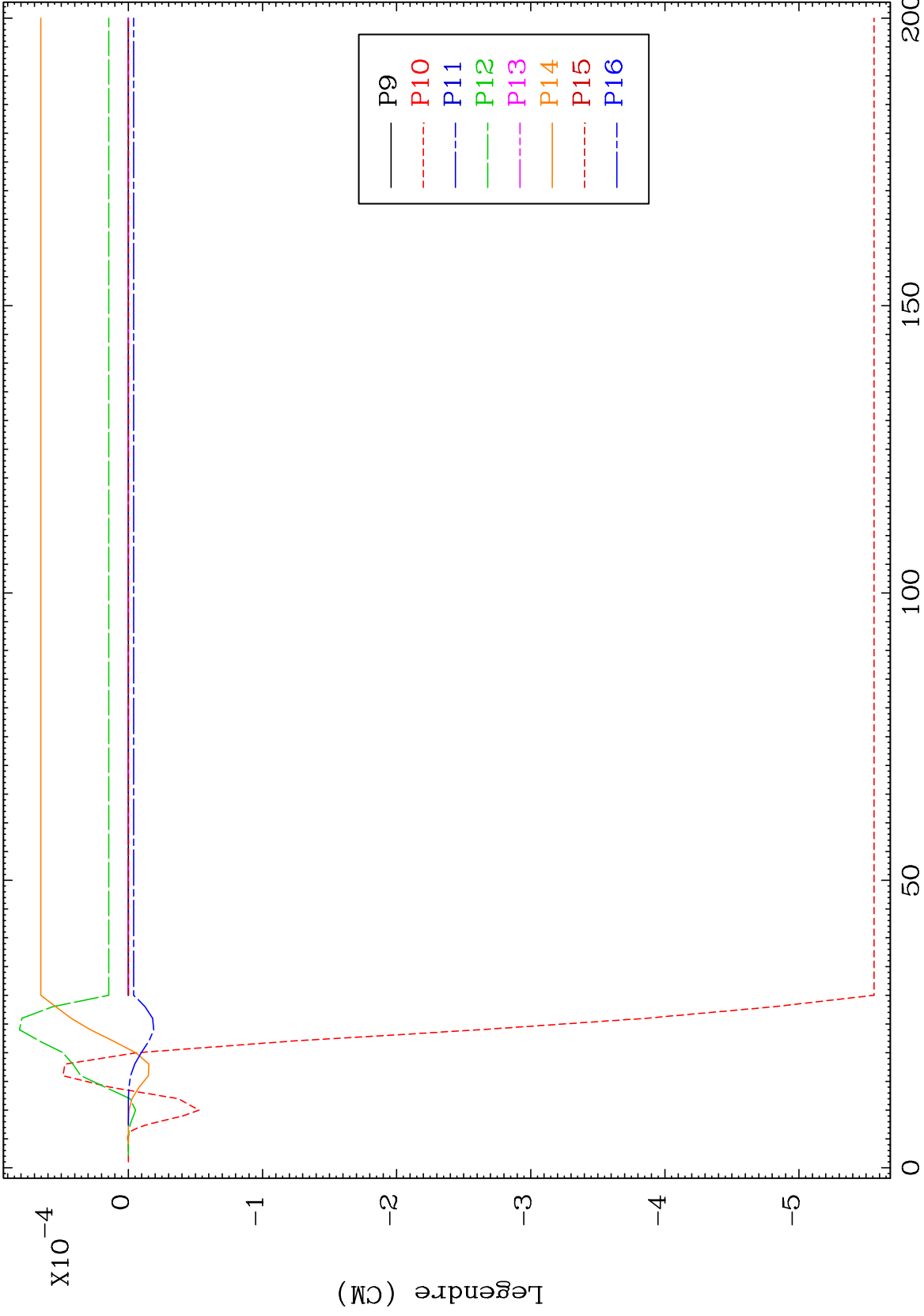


MAT 6164

MT= 78 (n,n') Level

61-Pm-152

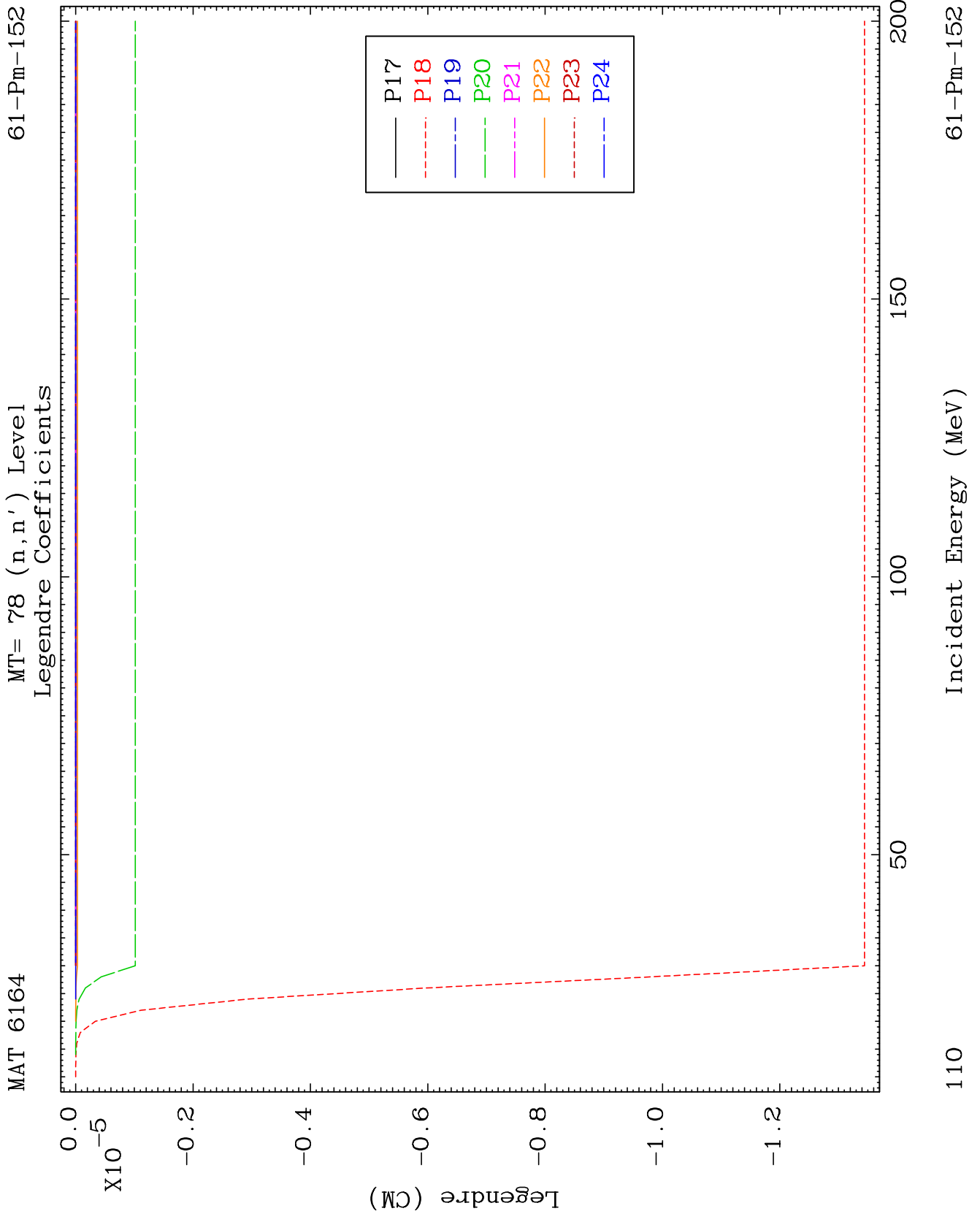
Legendre Coefficients



109

Incident Energy (MeV)

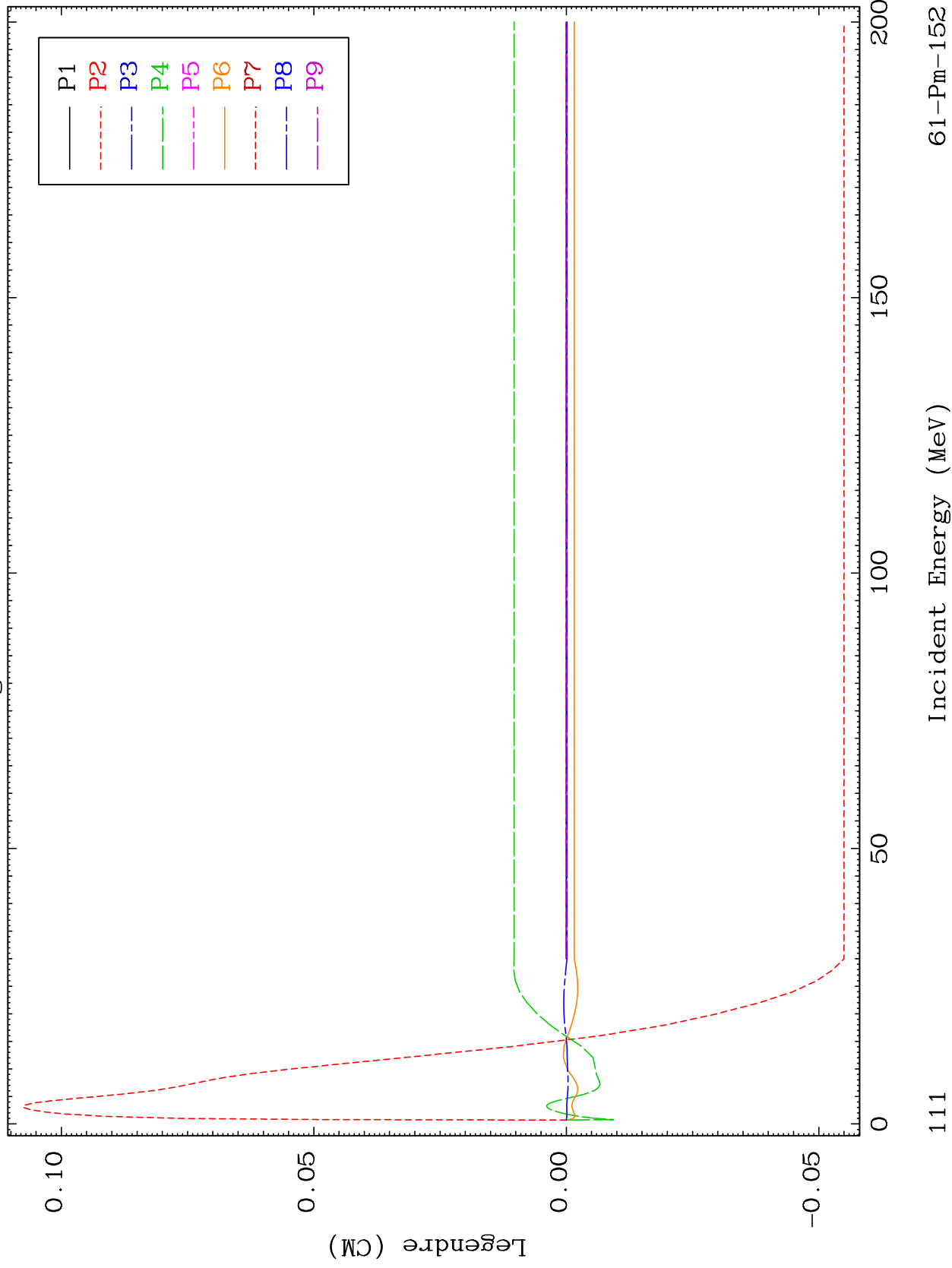
61-Pm-152



MAT 6164

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

61-Pm-152



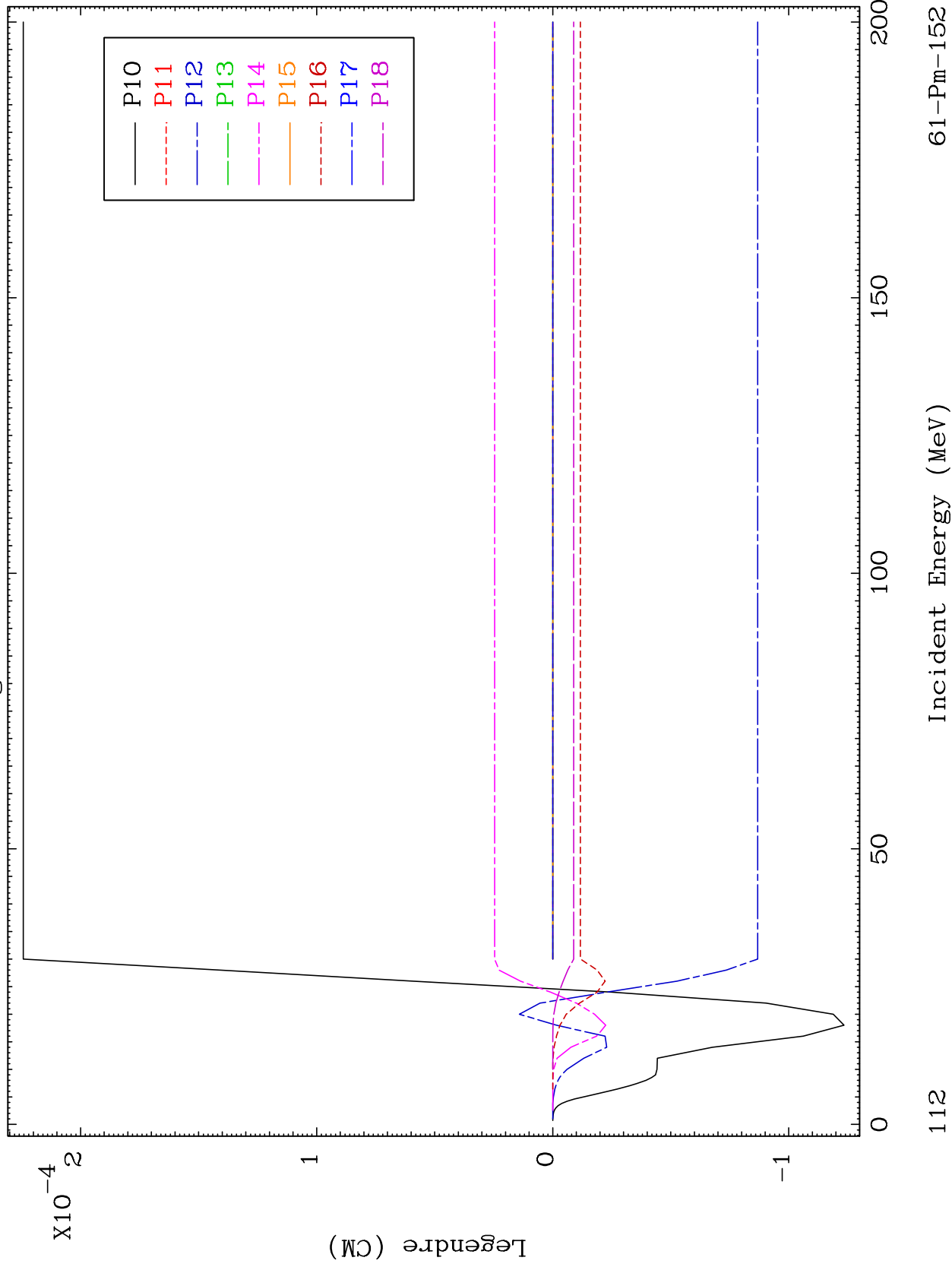
111

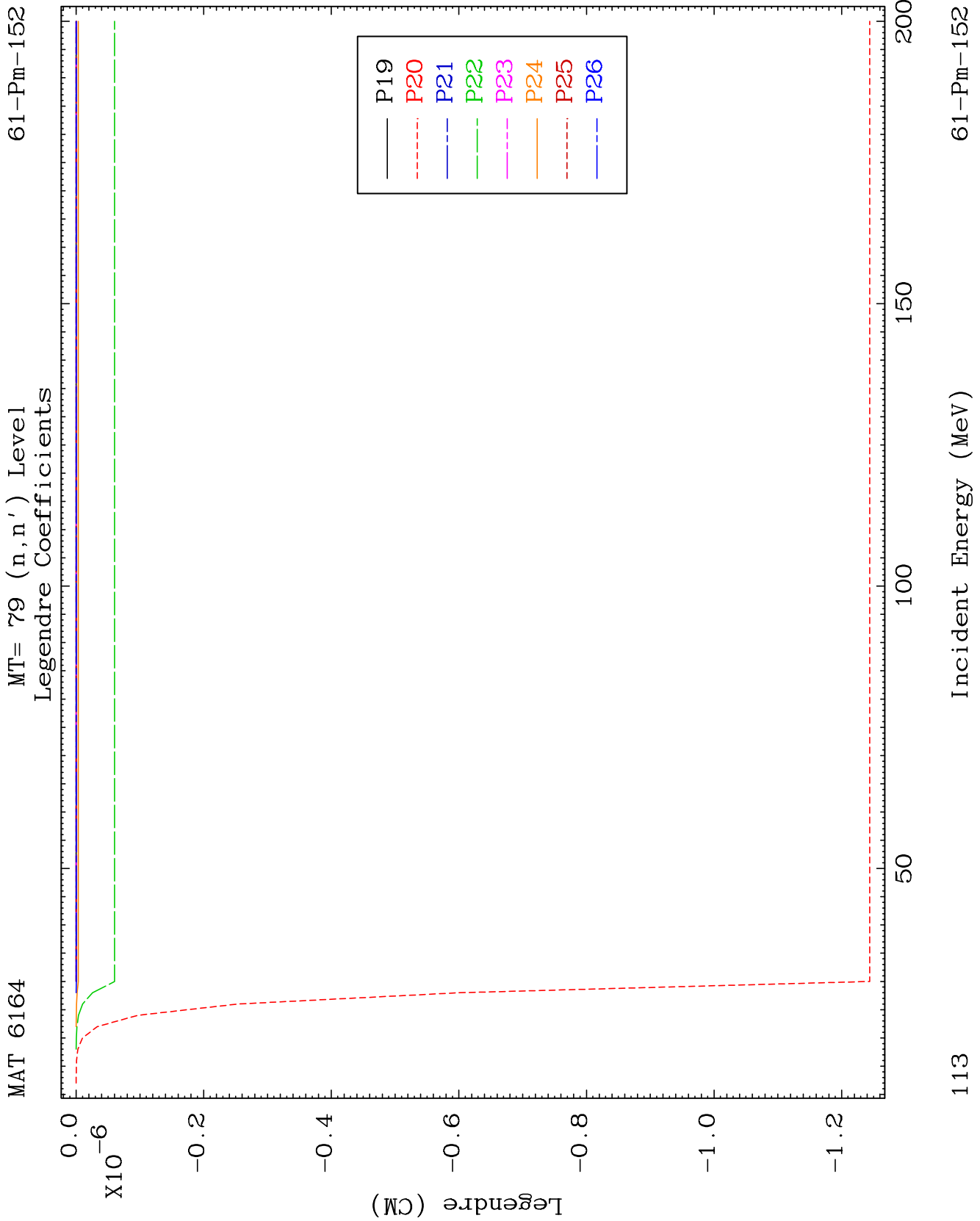


MAT 6164

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

61-Pm-152

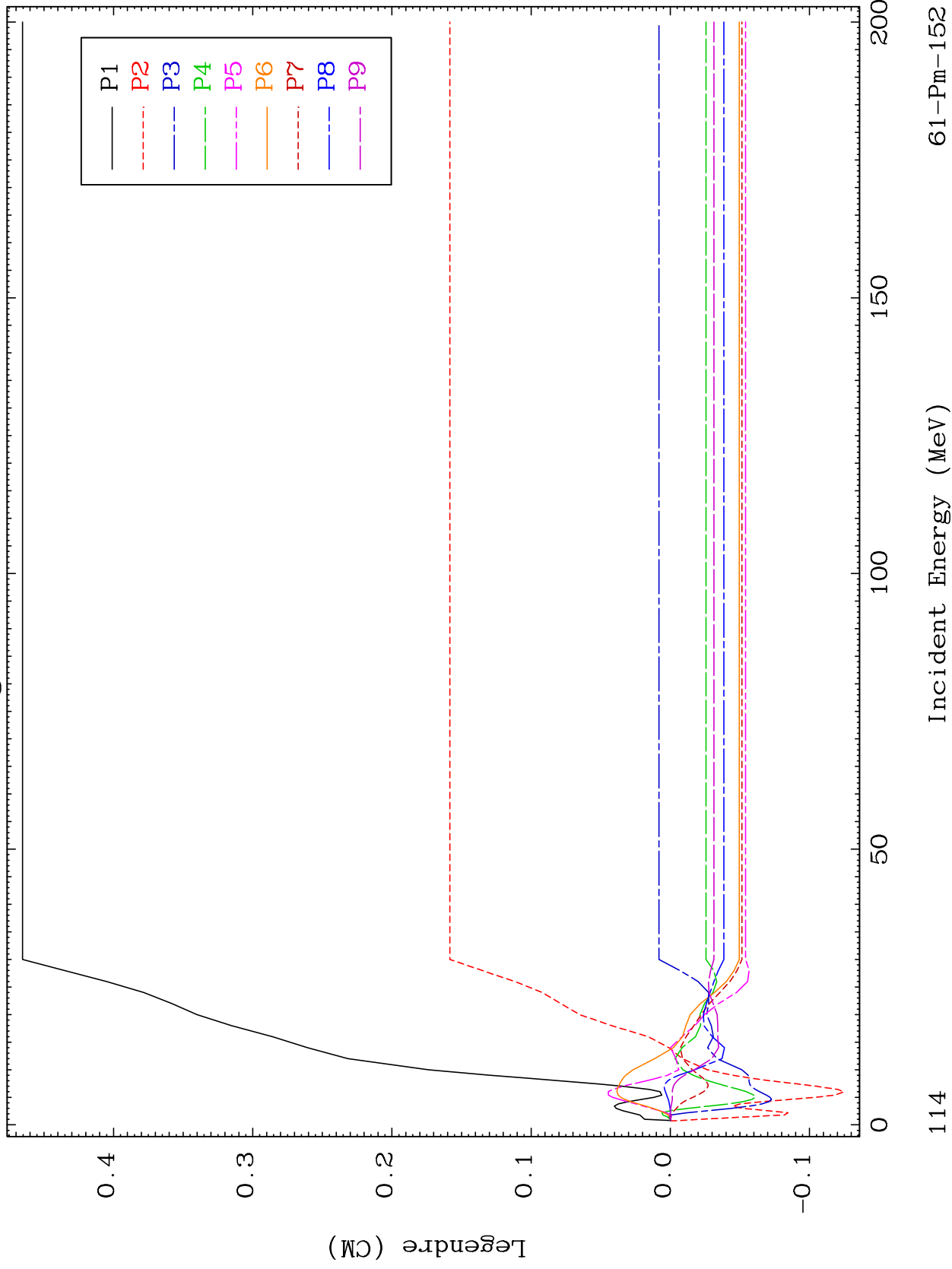




MAT 6164

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

61-Pm-152



61-Pm-152

Incident Energy (MeV)

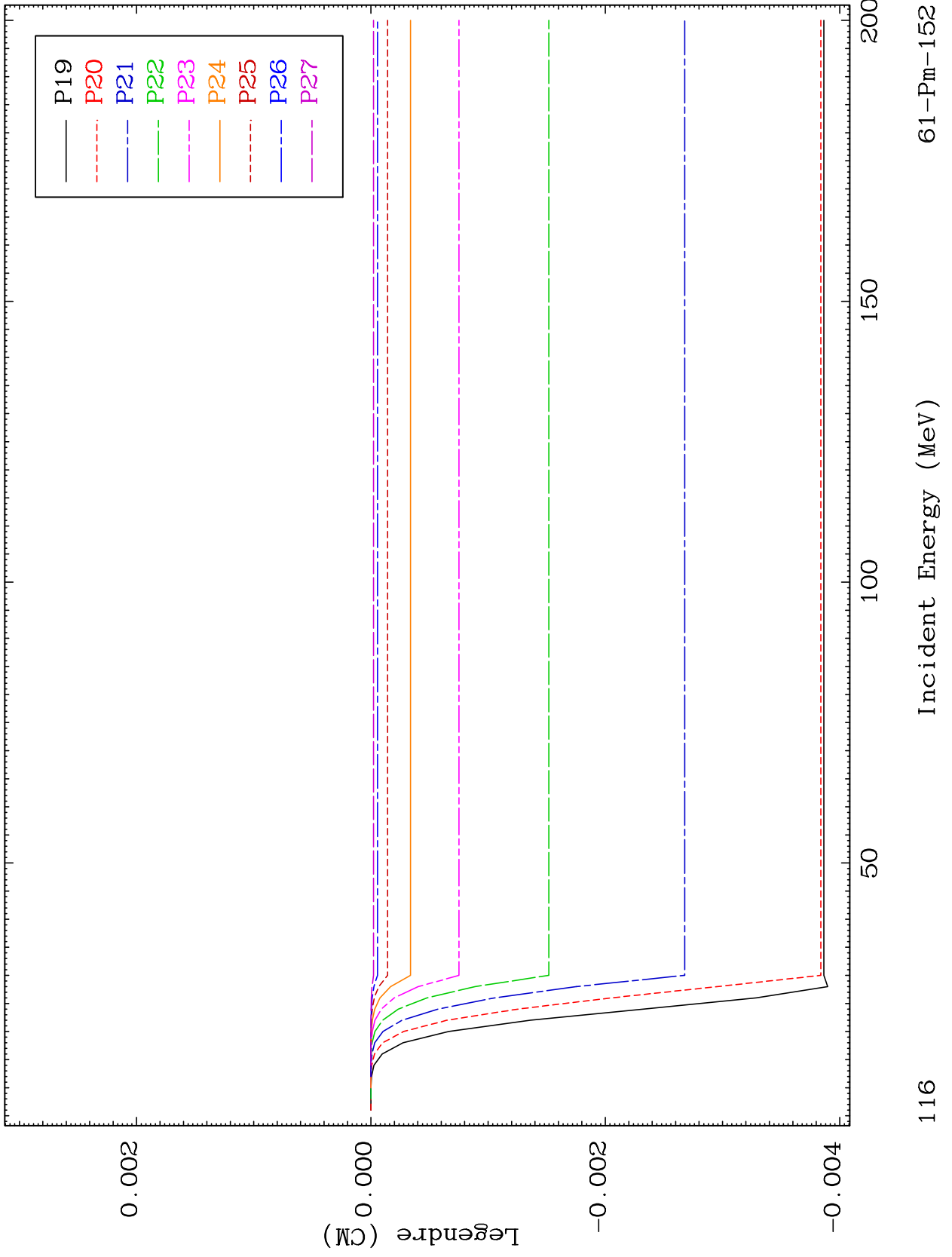
114



MAT 6164

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

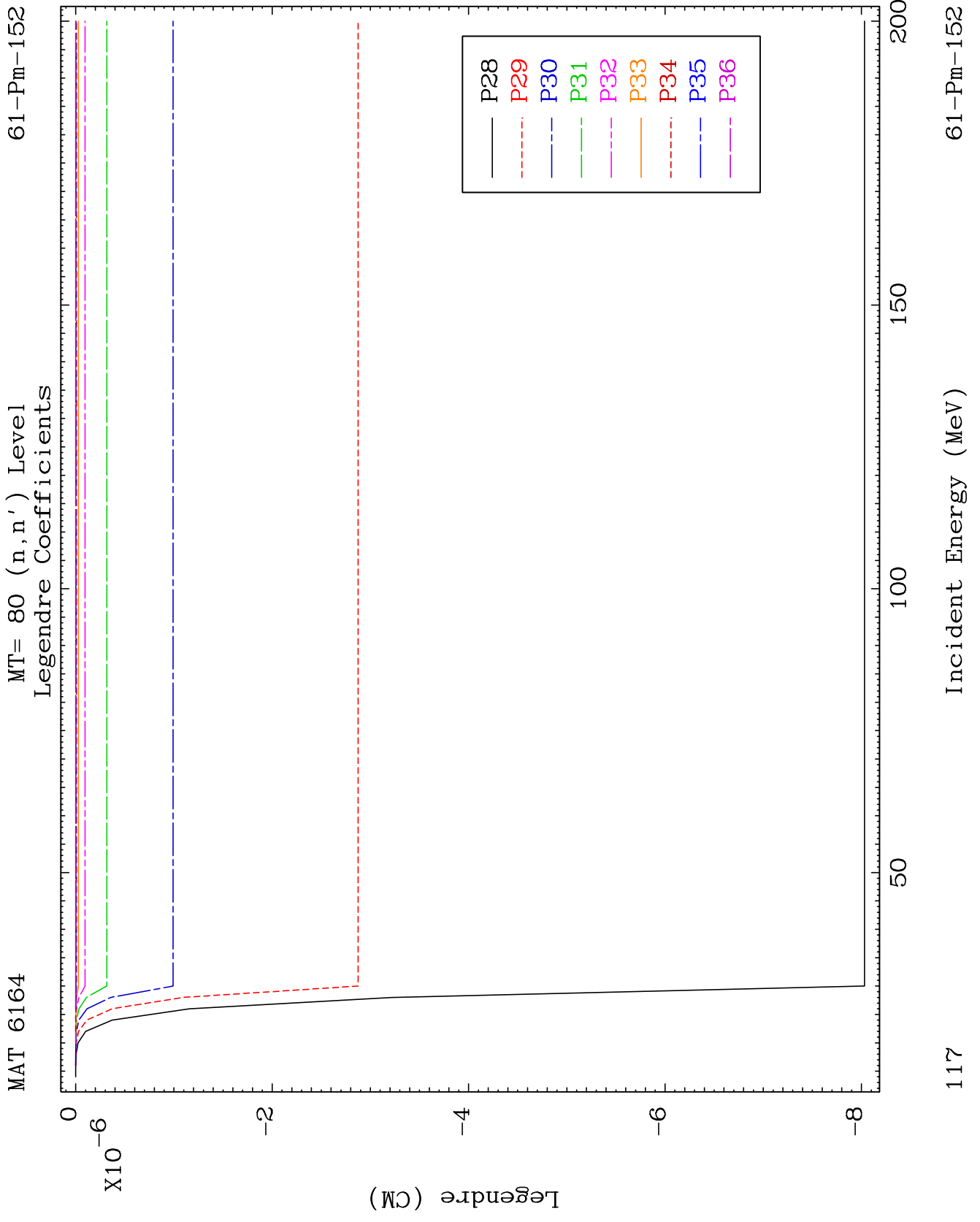
61-Pm-152



116

Incident Energy (MeV)

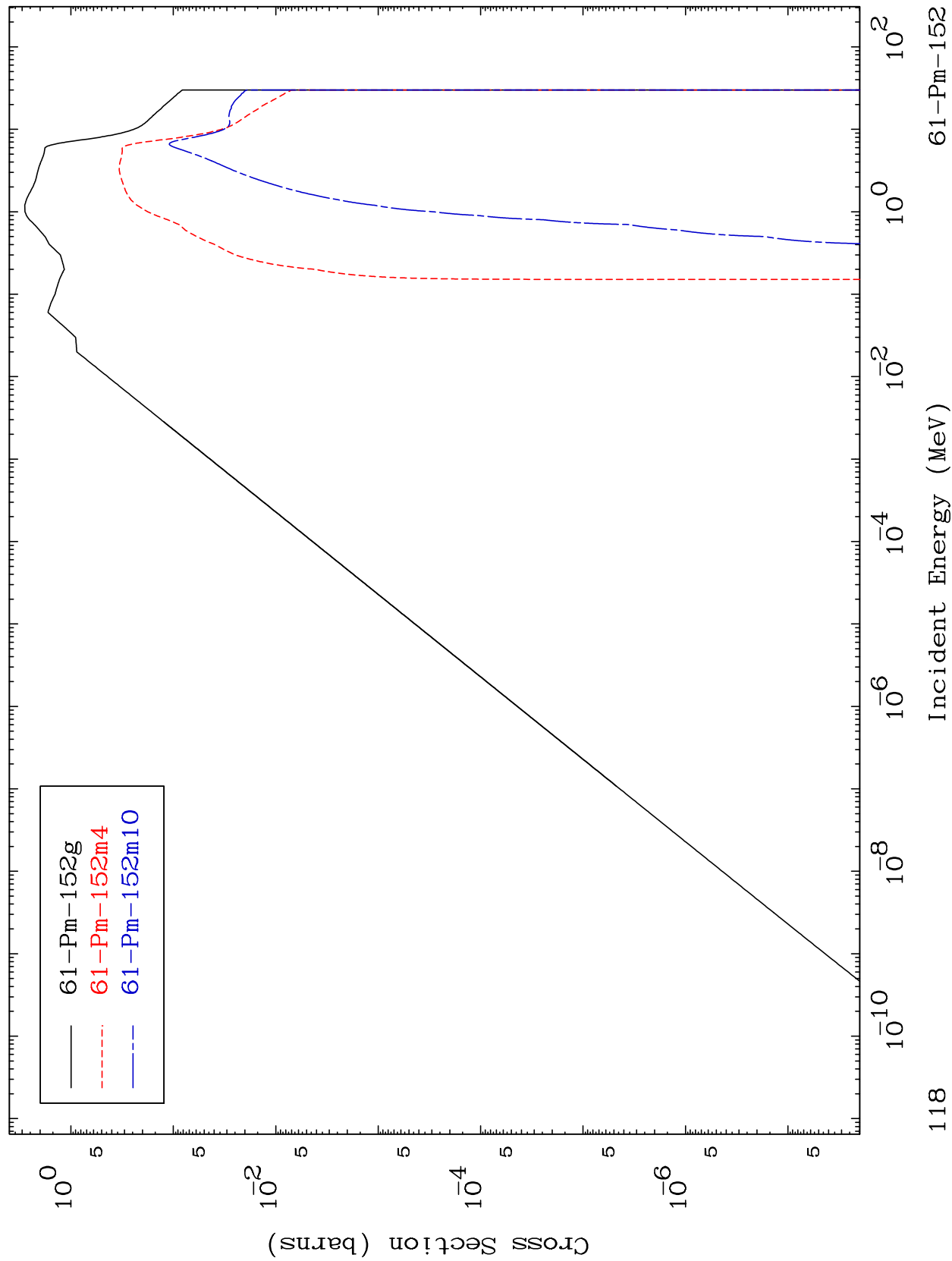
61-Pm-152



MAT 6164

61-Pm-152

Radionuclide Production Cross Section



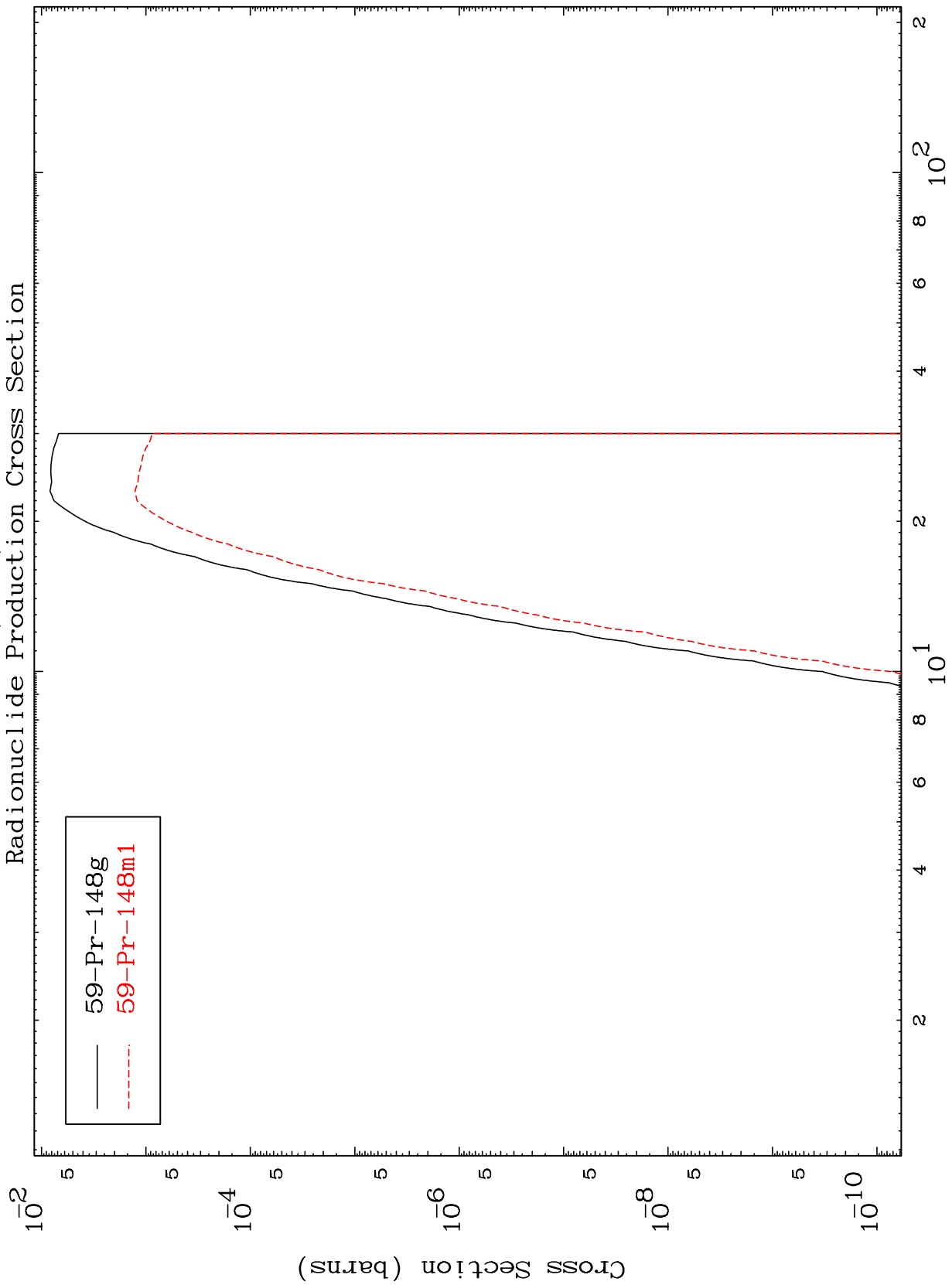
61-Pm-152g  
61-Pm-152m4  
61-Pm-152m10

MAT 6164

$(n, n') \alpha$

61-Pm-152

Radionuclide Production Cross Section



119

Incident Energy (MeV)

61-Pm-152