

Program EVALPLOT  
(Version 2021-1)

by

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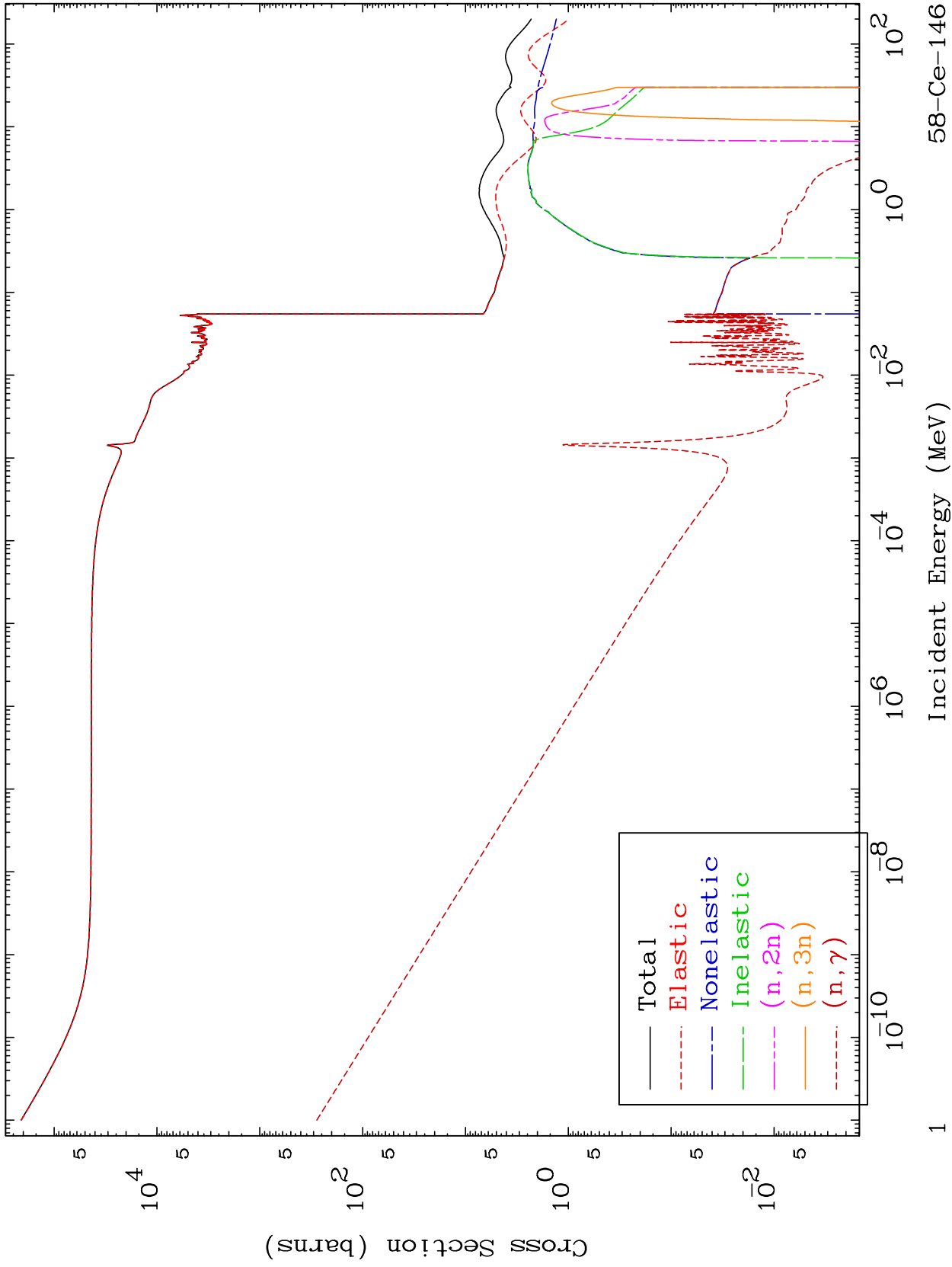
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Press Mouse Button to Start

MAT 5855

Neutron Major  
293 Kelvin Cross Sections

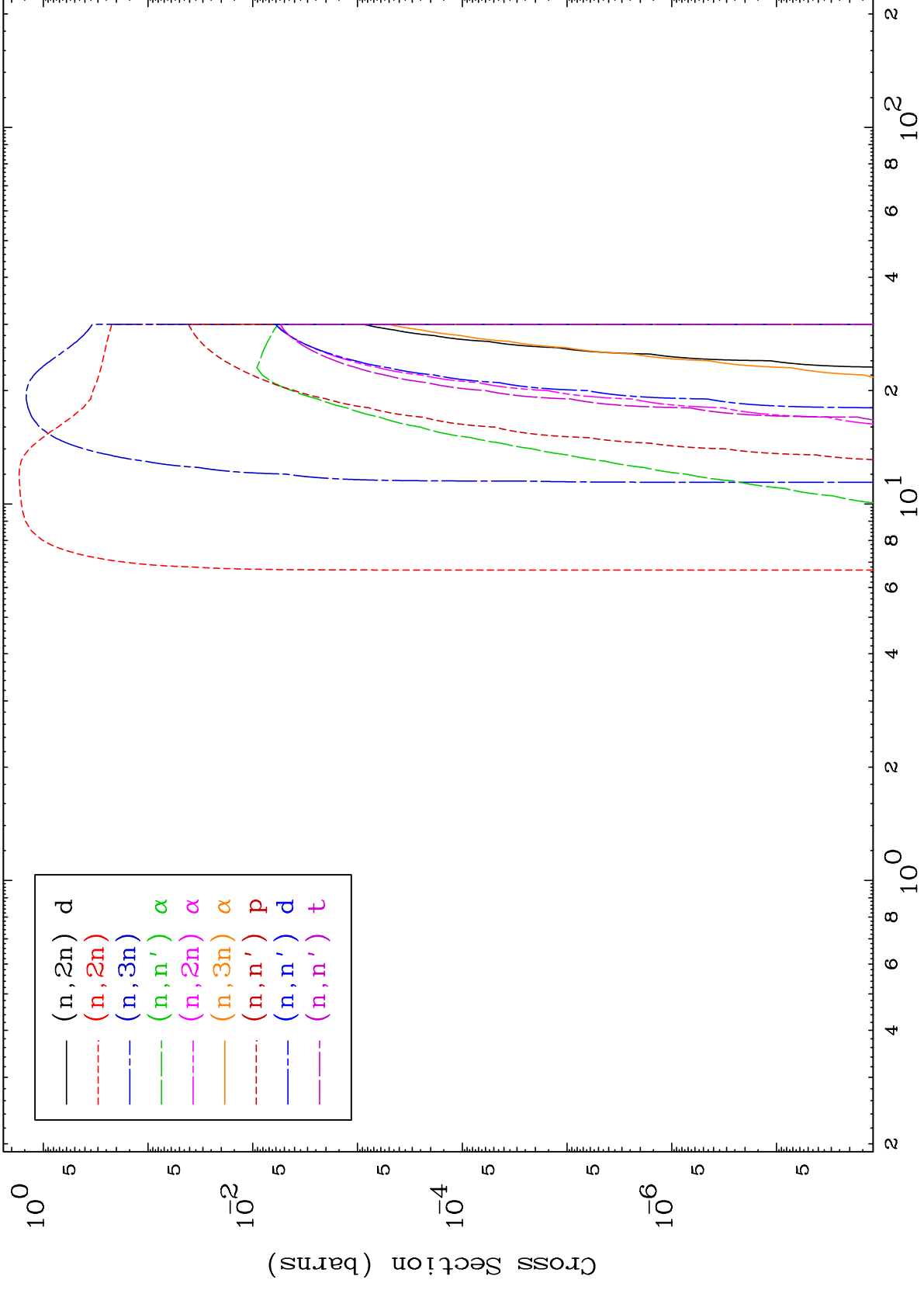
58-Ce-146



MAT 5855

Neutron Absorption  
293 Kelvin Cross Sections

58-Ce-146



58-Ce-146

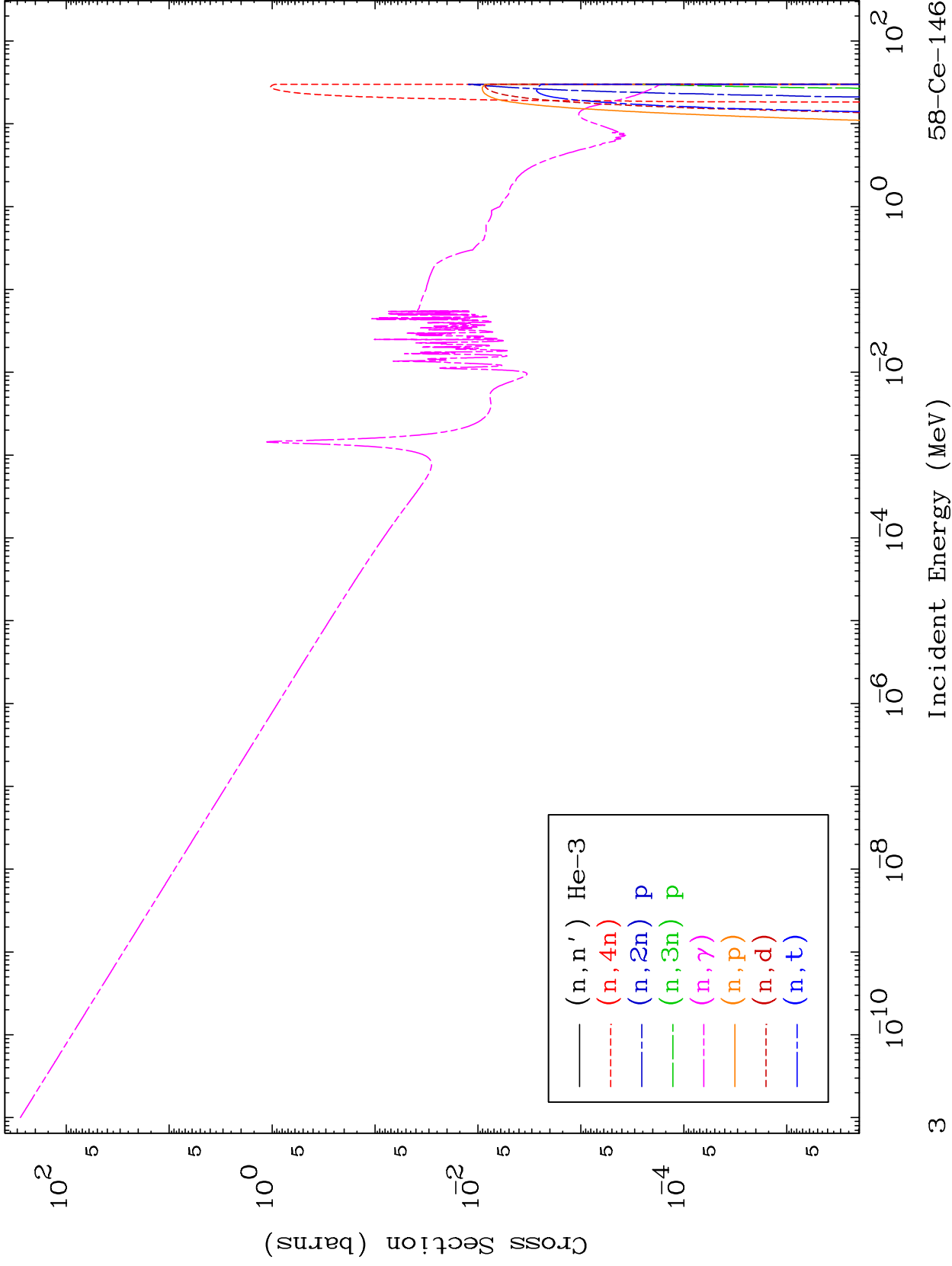
Incident Energy (MeV)

2

MAT 5855

Neutron Absorption  
293 Kelvin Cross Sections

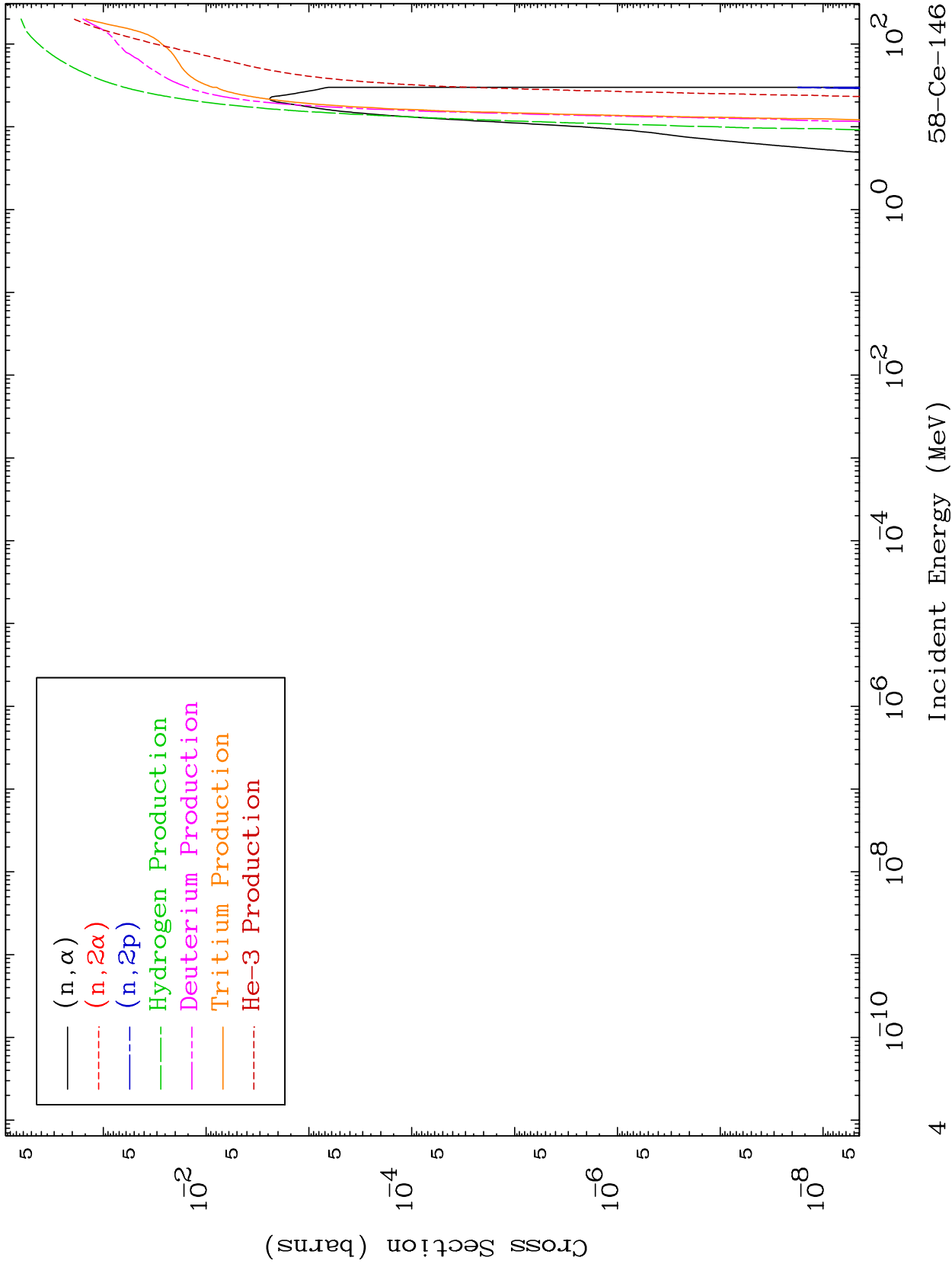
58-Ce-146



MAT 5855

Neutron Absorption  
293 Kelvin Cross Sections

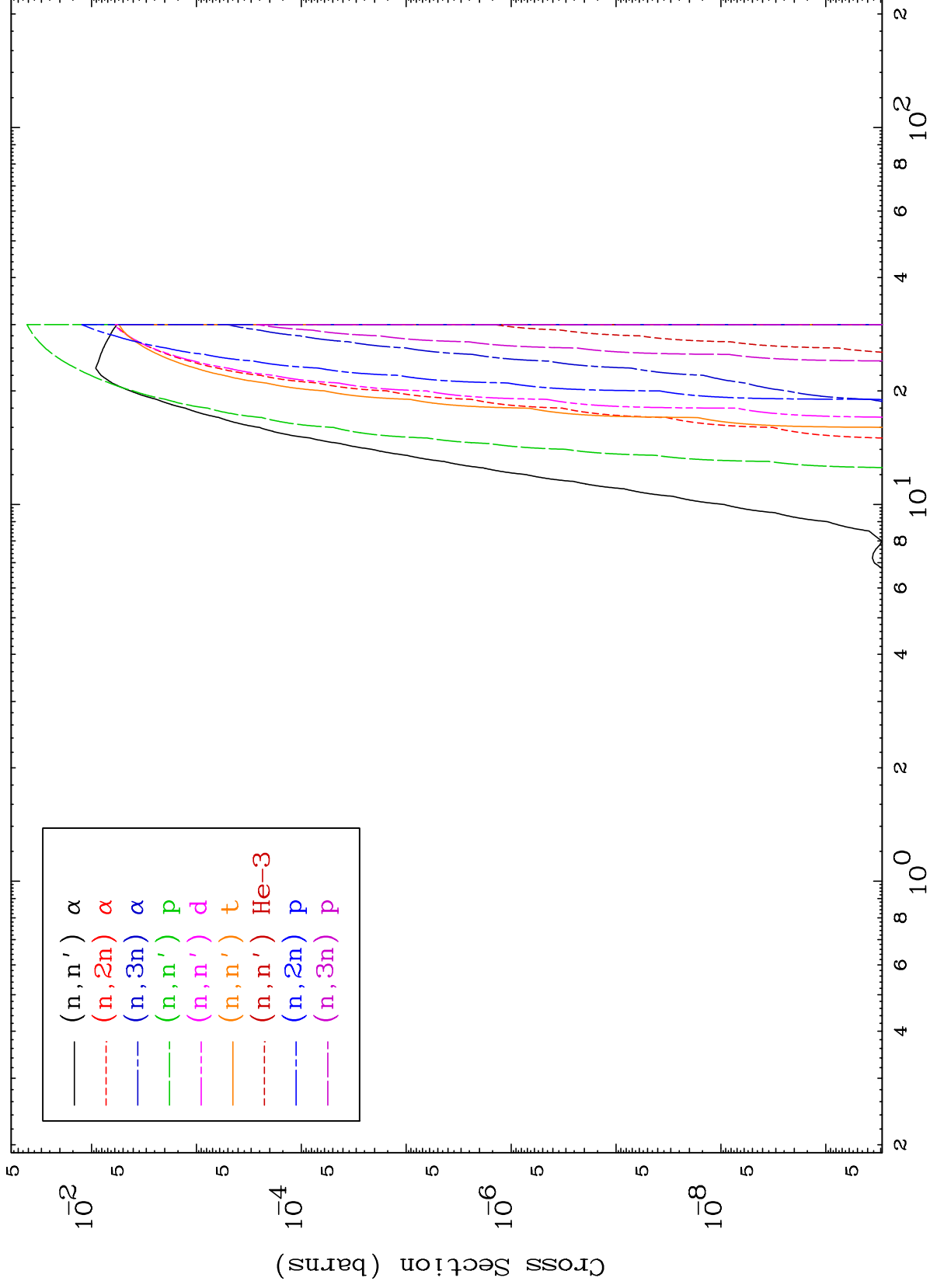
58-Ce-146



MAT 5855

Charged Particle  
293 Kelvin Cross Sections

58-Ce-146



58-Ce-146

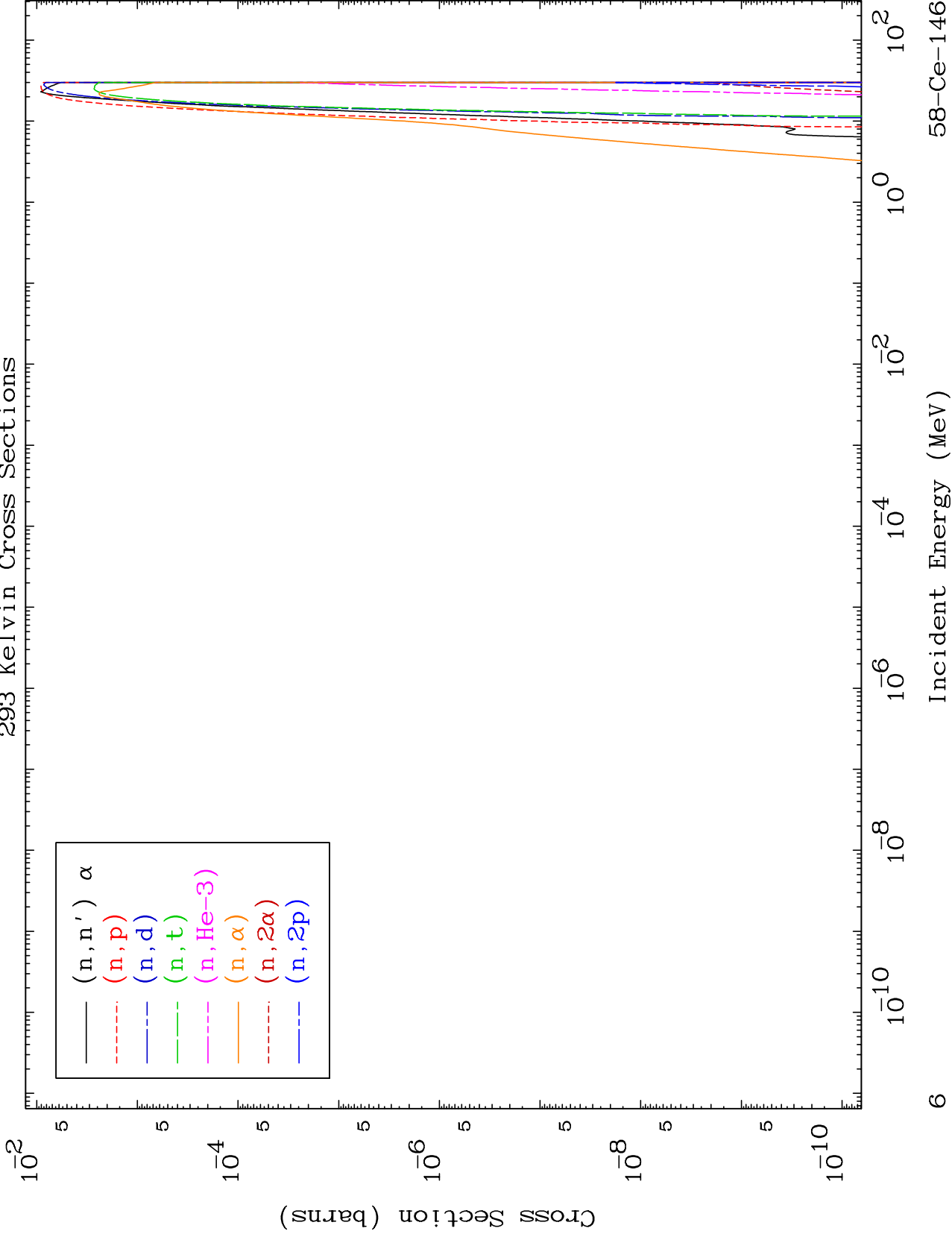
Incident Energy (MeV)

5

MAT 5855

Charged Particle  
293 Kelvin Cross Sections

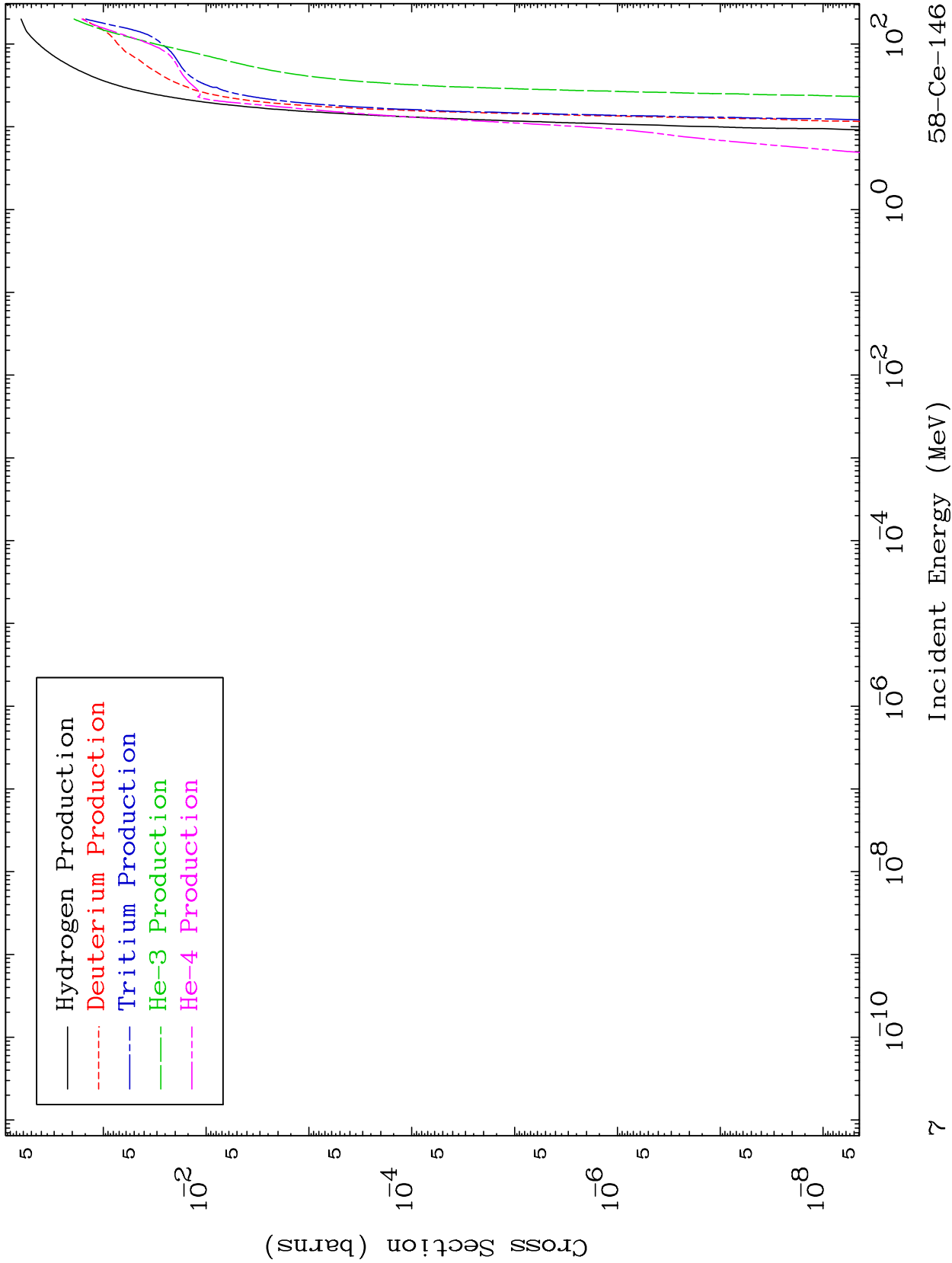
58-Ce-146



MAT 5855

Particle Production  
293 Kelvin Cross Sections

58-Ce-146



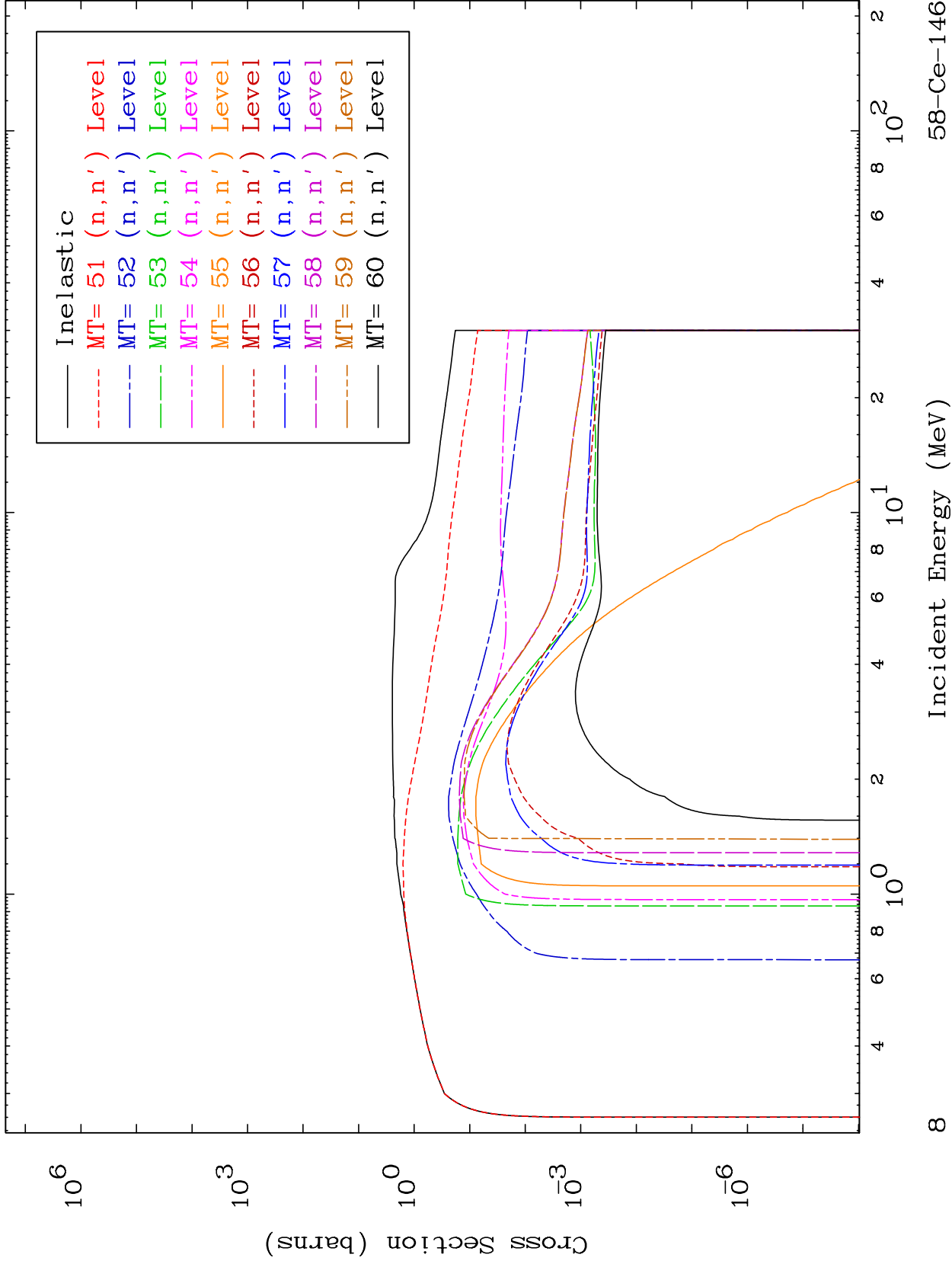


MAT 5855

(n,n') Levels

293 Kelvin Cross Sections

58-Ce-146



8

Incident Energy (MeV)

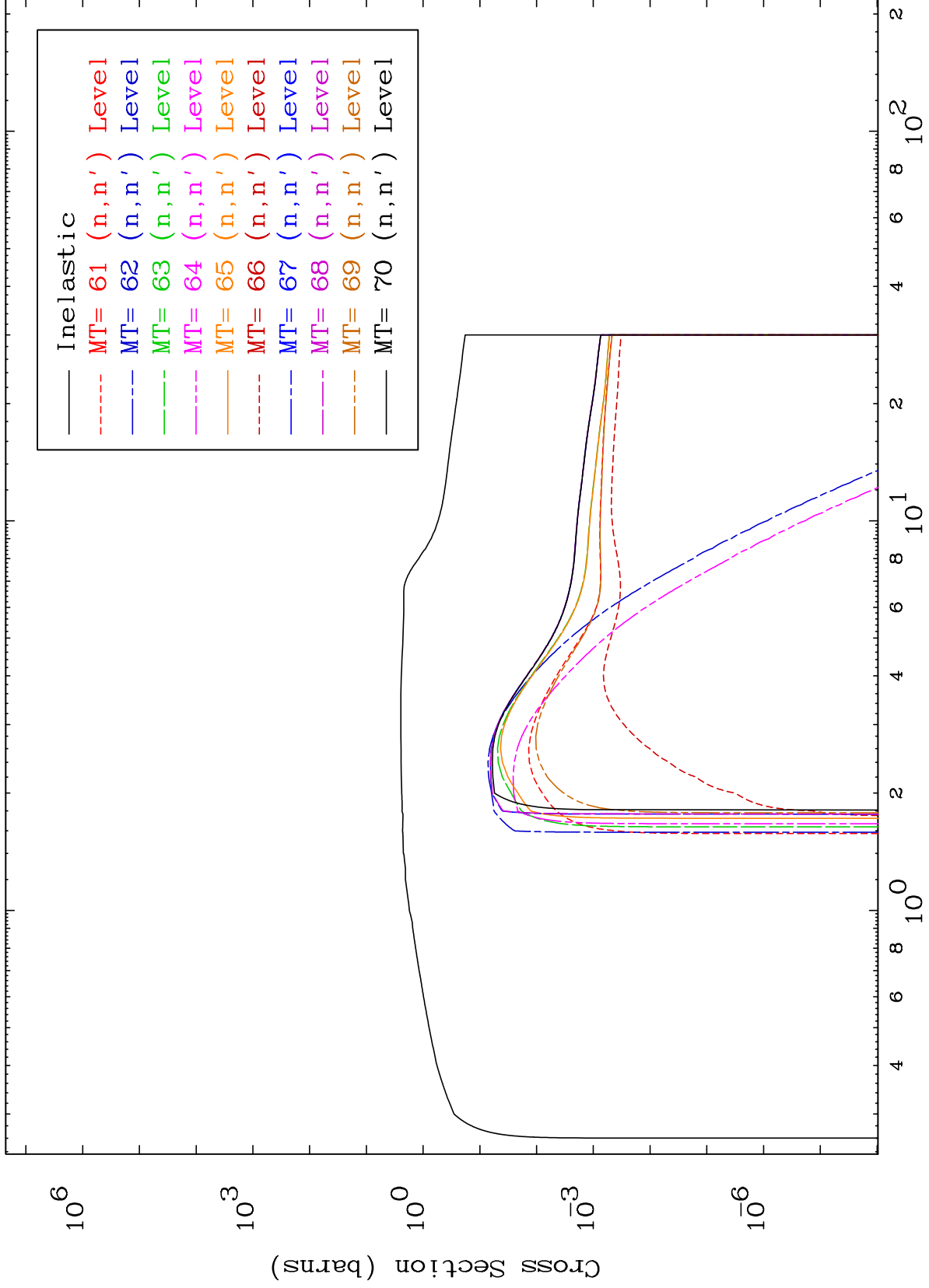
58-Ce-146

MAT 5855

(n,n') Levels

58-Ce-146

293 Kelvin Cross Sections

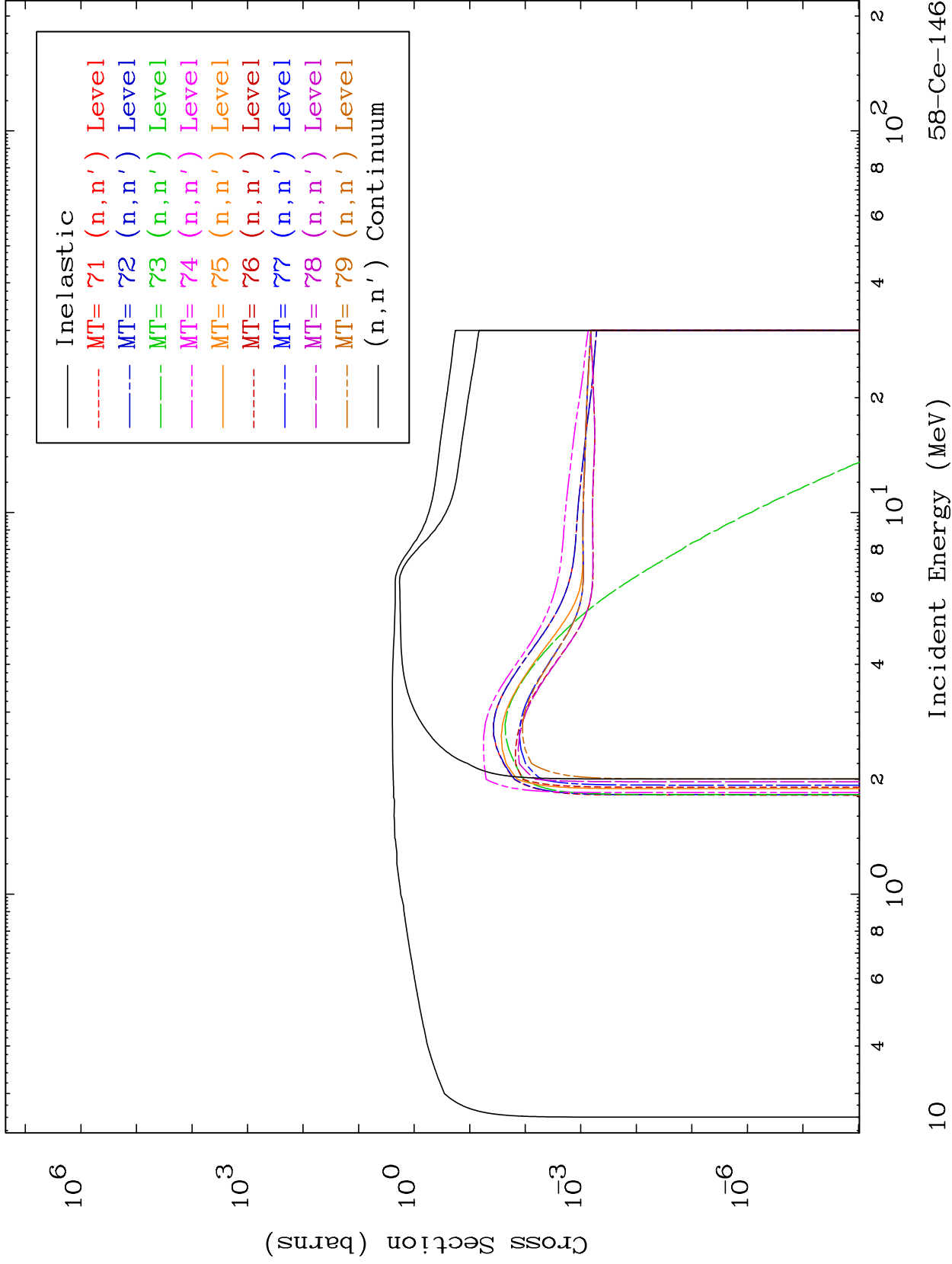


MAT 5855

(n,n') Levels

293 Kelvin Cross Sections

58-Ce-146



10

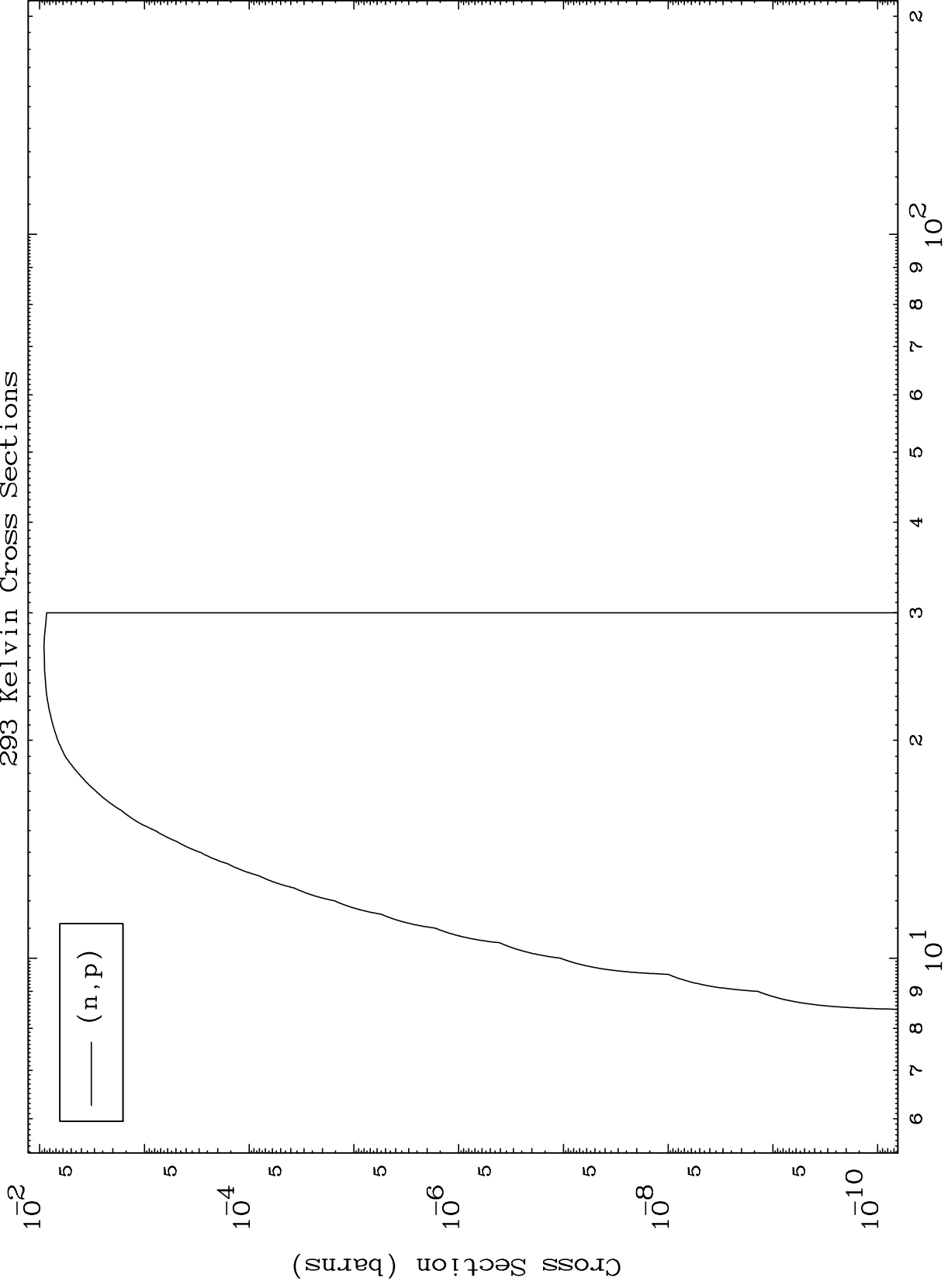
Incident Energy (MeV)

58-Ce-146

MAT 5855

(n,p) Levels  
293 Kelvin Cross Sections

58-Ce-146



11

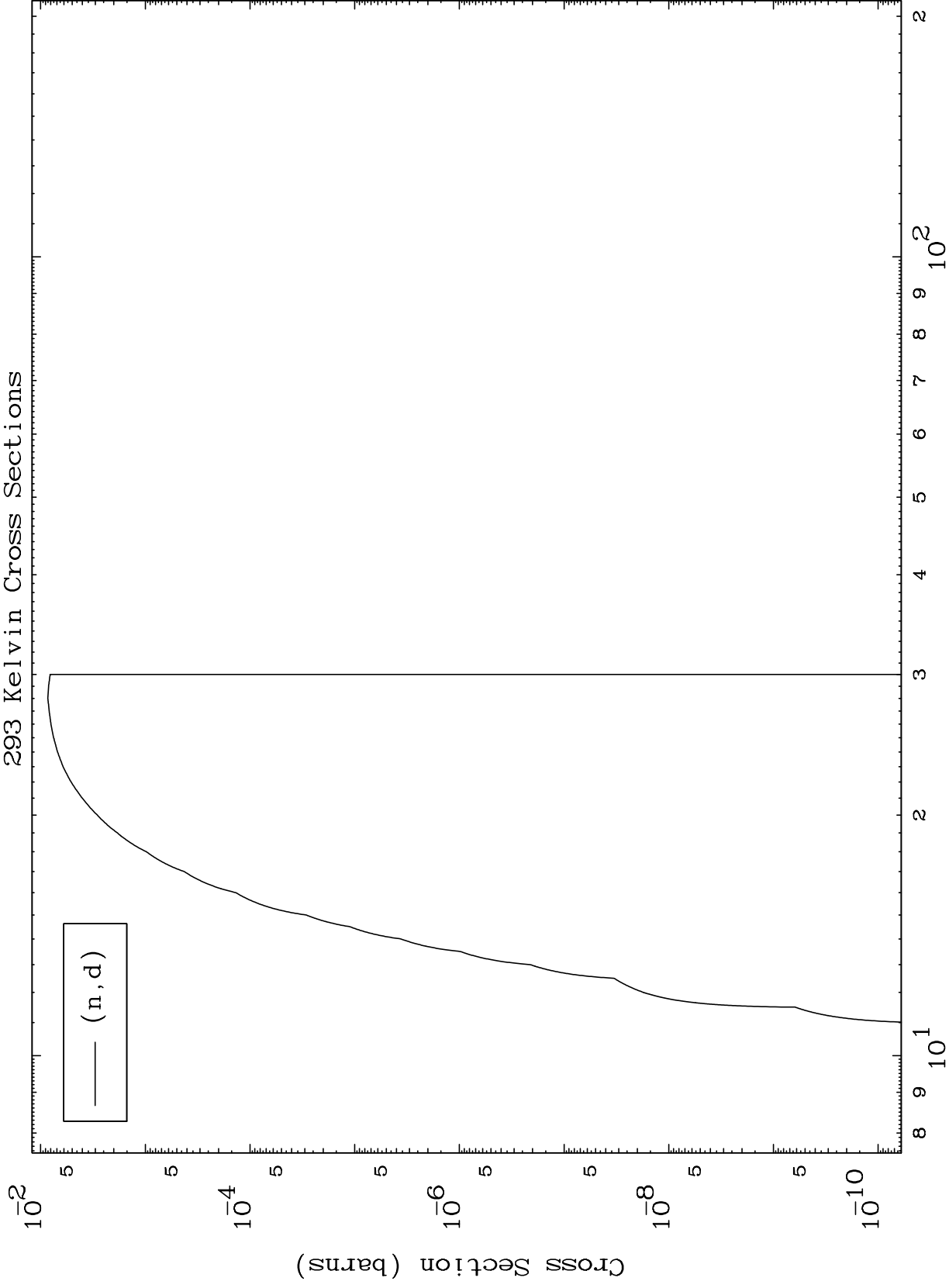
Incident Energy (MeV)

58-Ce-146

MAT 5855

(n,d) Levels  
293 Kelvin Cross Sections

58-Ce-146



12

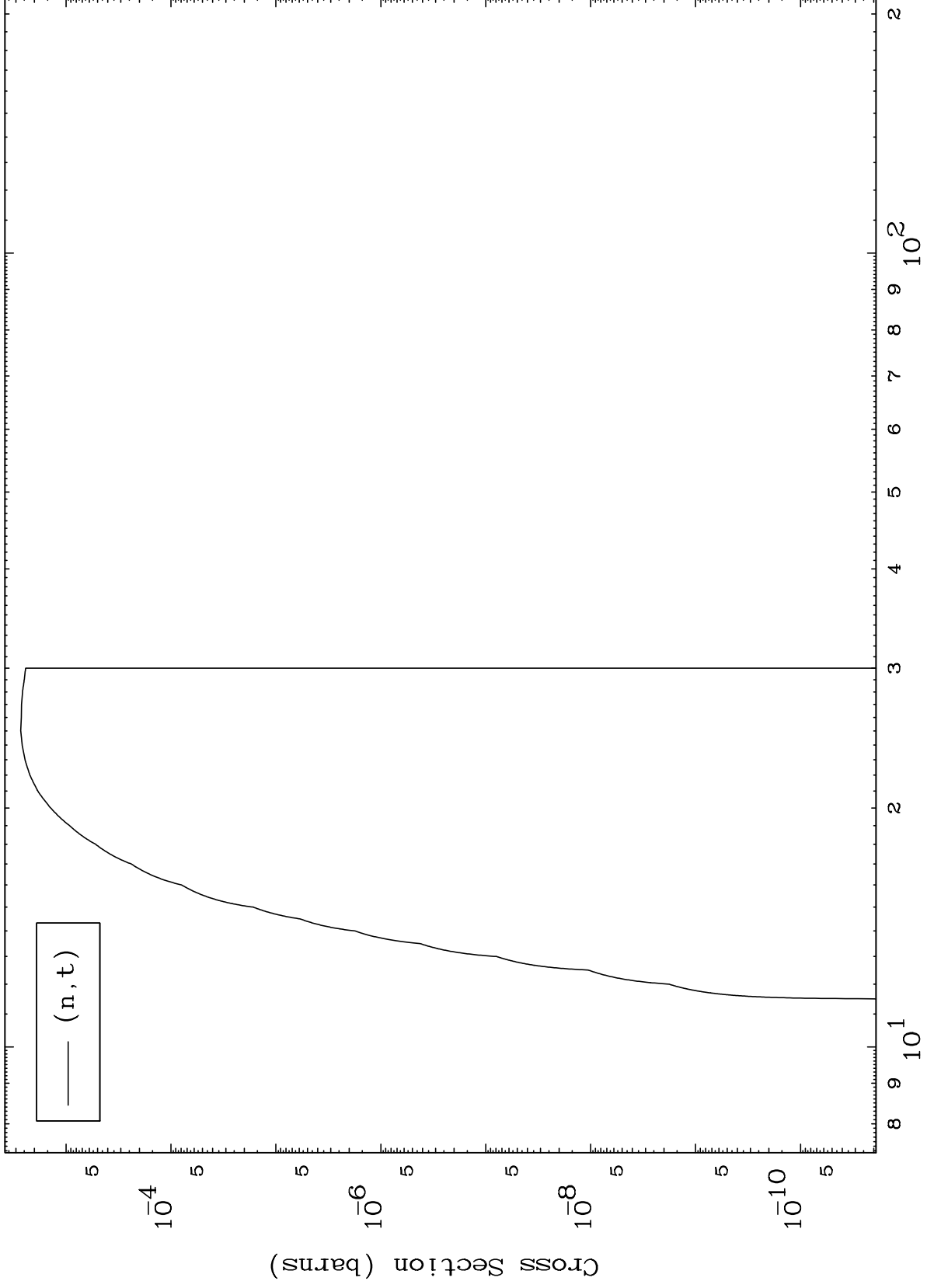
Incident Energy (MeV)

58-Ce-146

MAT 5855

(n,t) Levels  
293 Kelvin Cross Sections

58-Ce-146



13

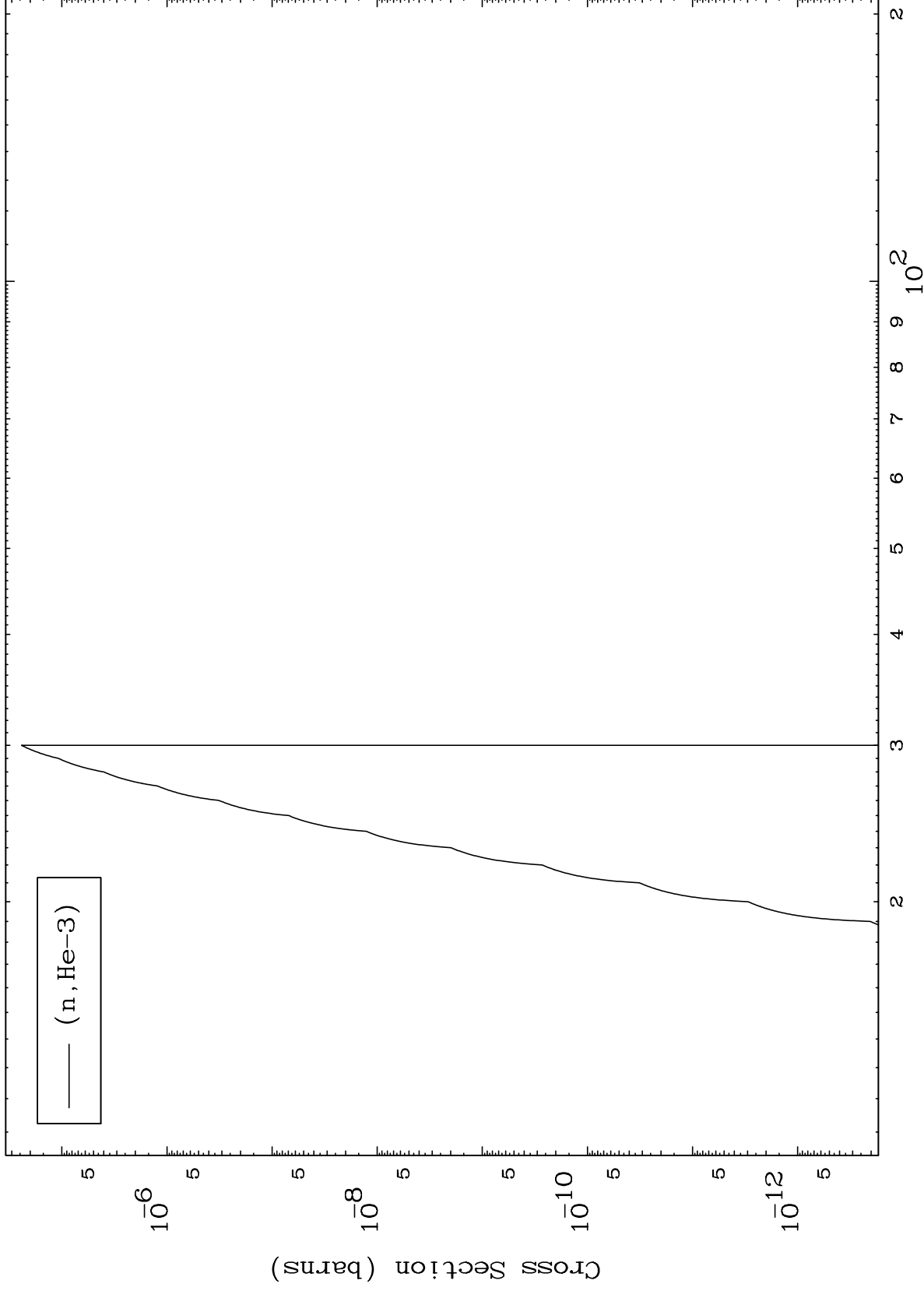
Incident Energy (MeV)

58-Ce-146

MAT 5855

(n,He3) Levels  
293 Kelvin Cross Sections

58-Ce-146



14

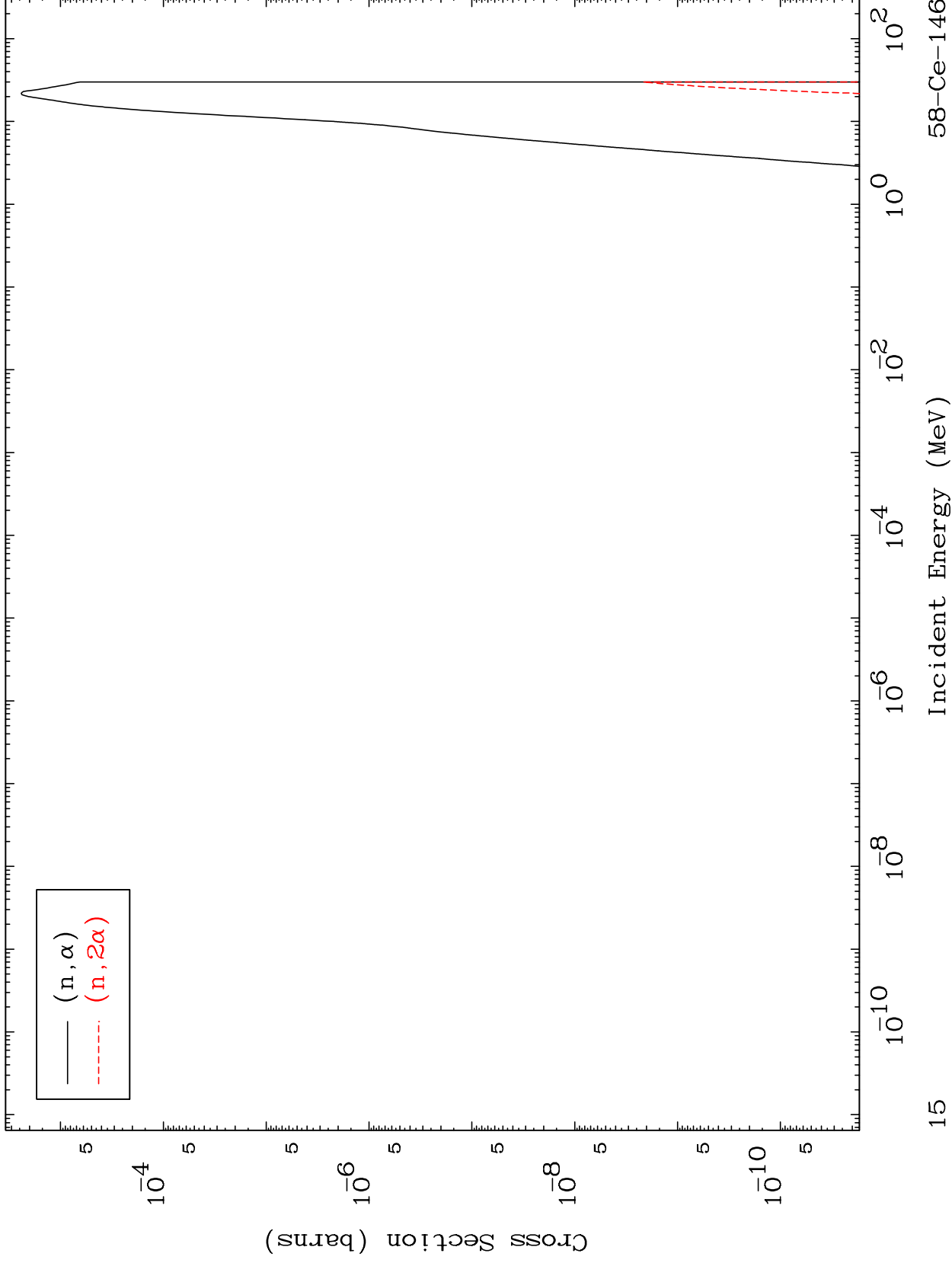
Incident Energy (MeV)

58-Ce-146

MAT 5855

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

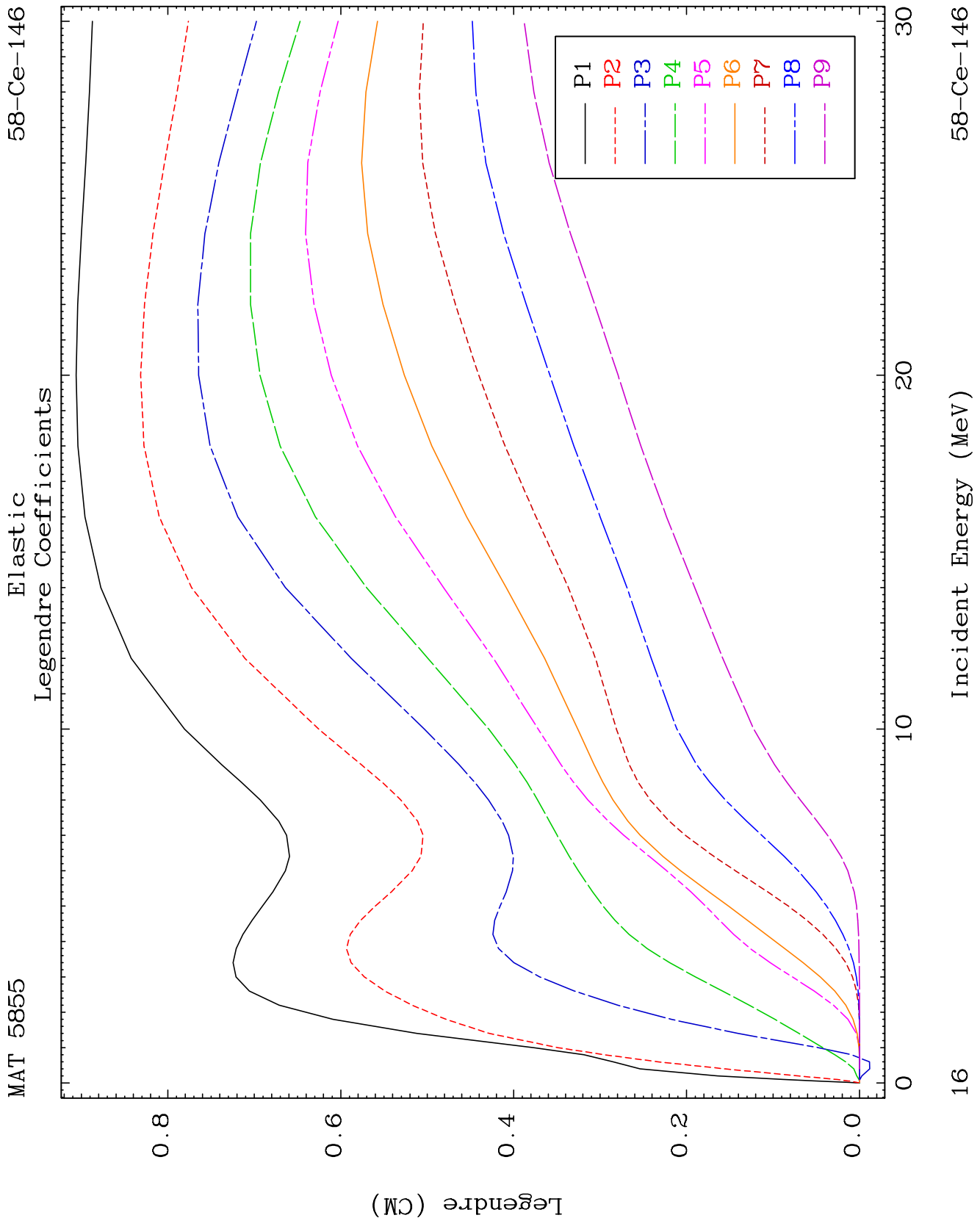
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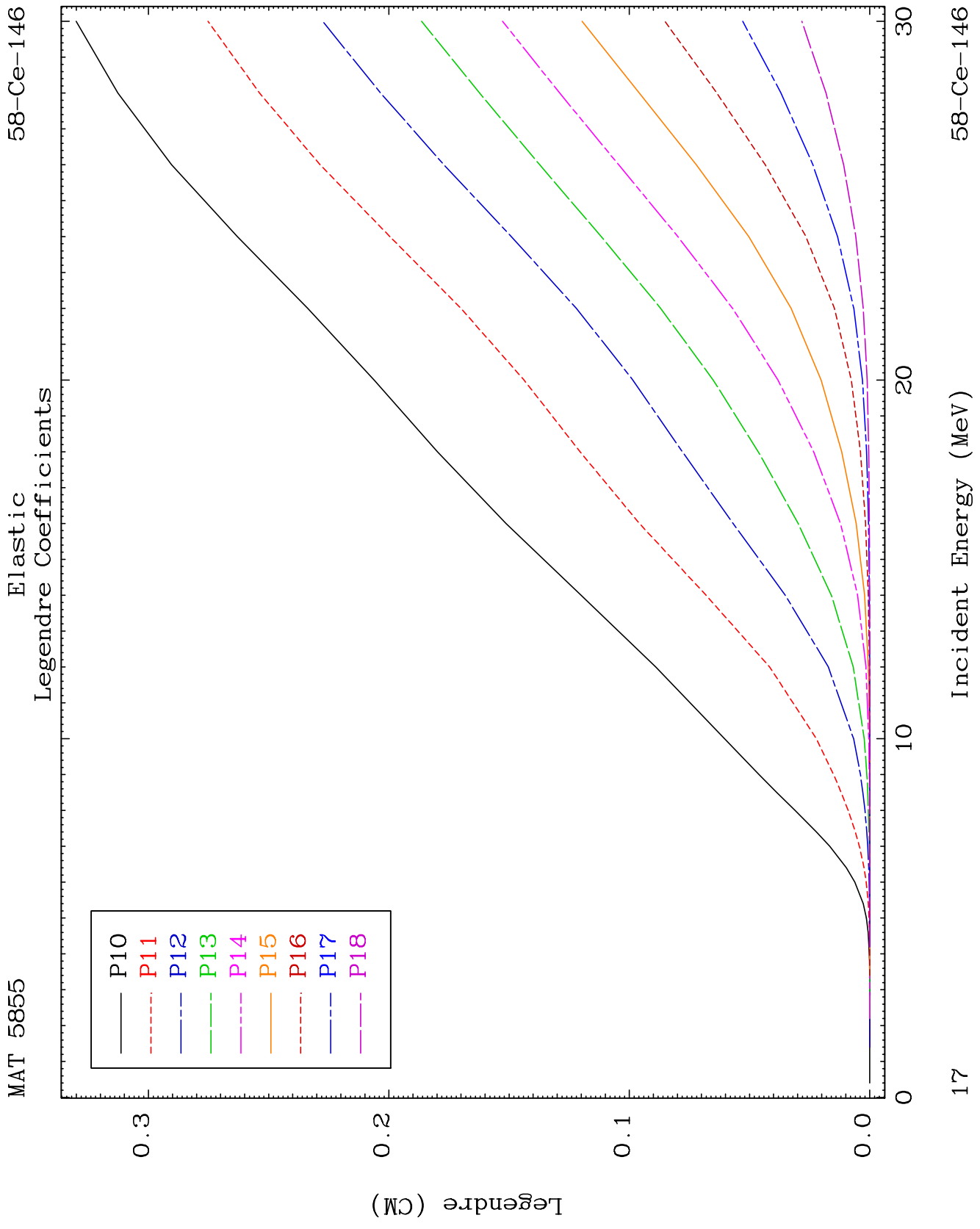


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58-Ce-146



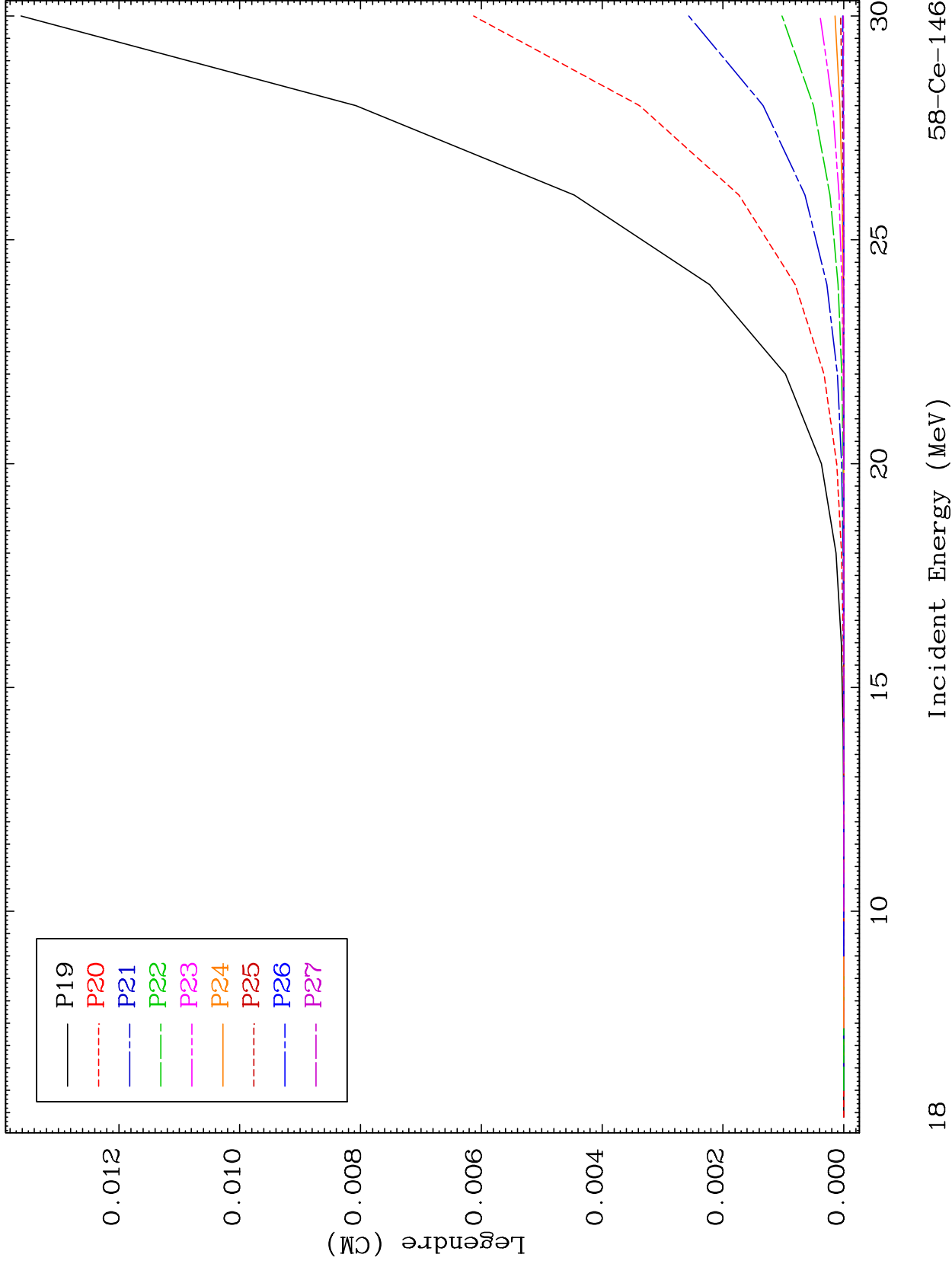




MAT 5855

### Elastic Legendre Coefficients

58-Ce-146



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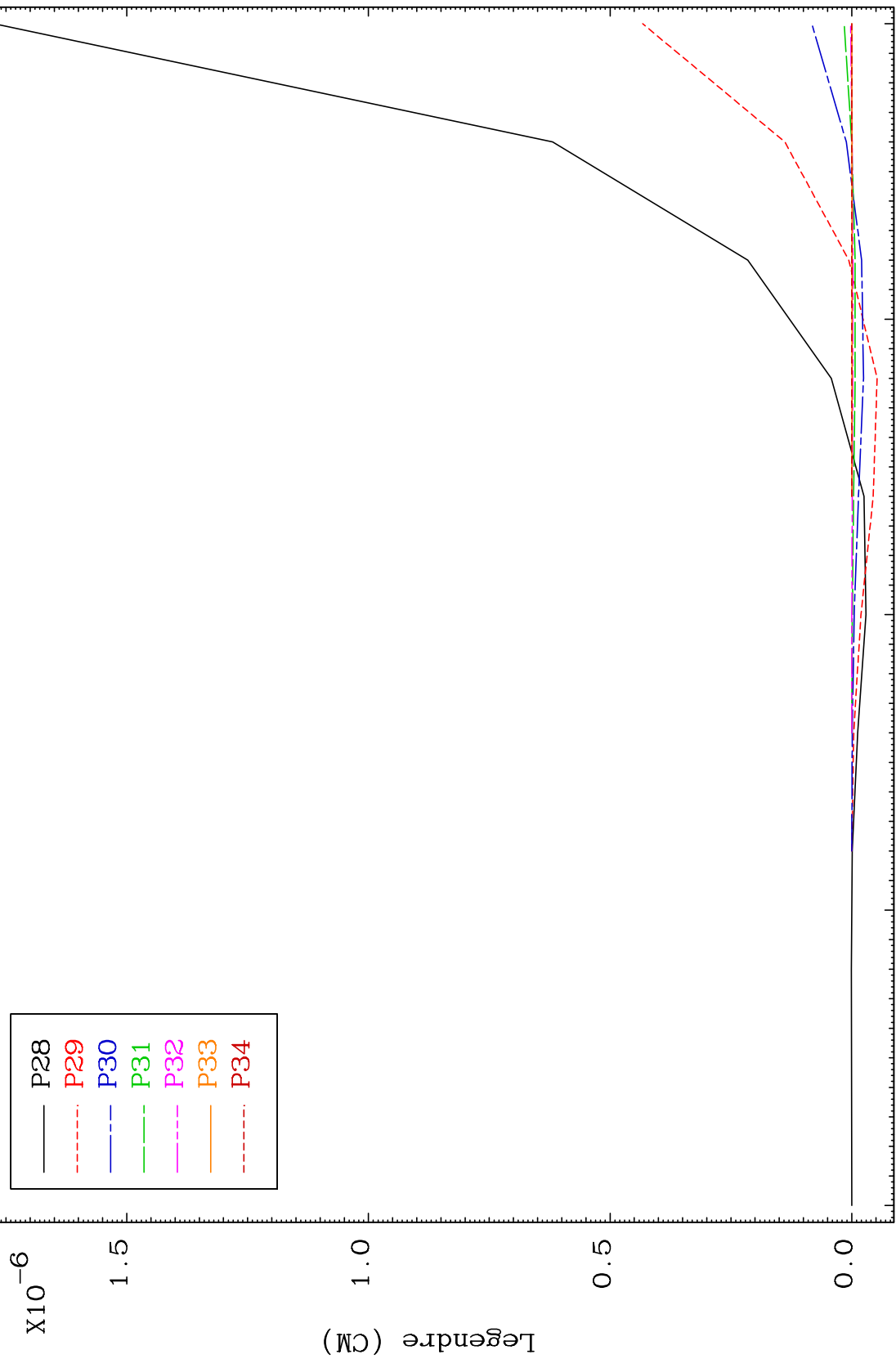
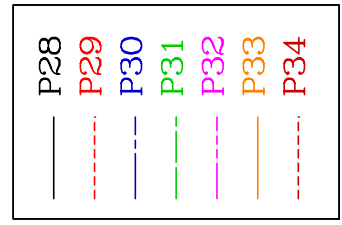
Incident Energy (MeV)

58-Ce-146

MAT 5855

Elastic Legendre Coefficients

58-Ce-146



58-Ce-146

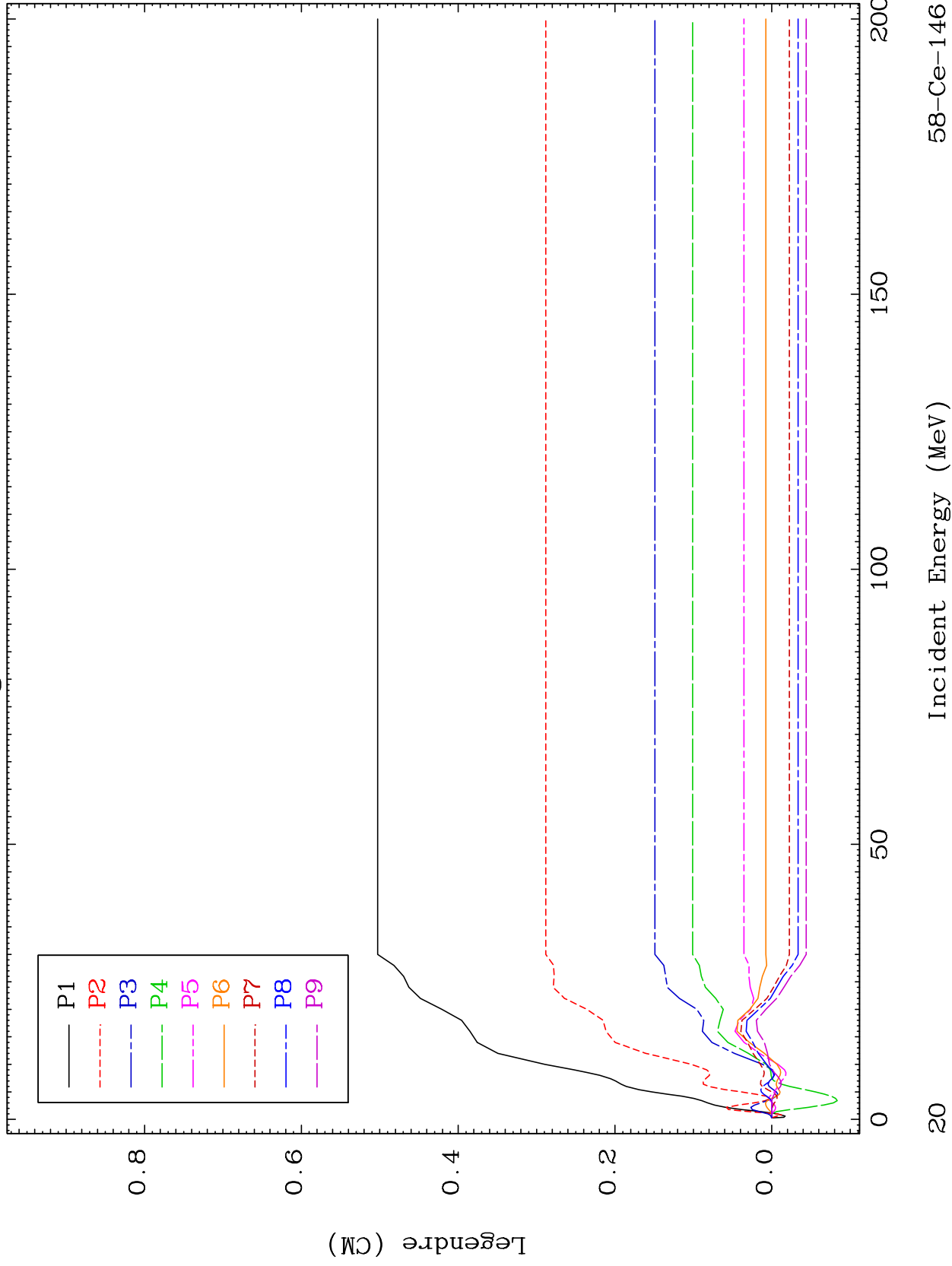
Incident Energy (MeV)

19

MAT 5855

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

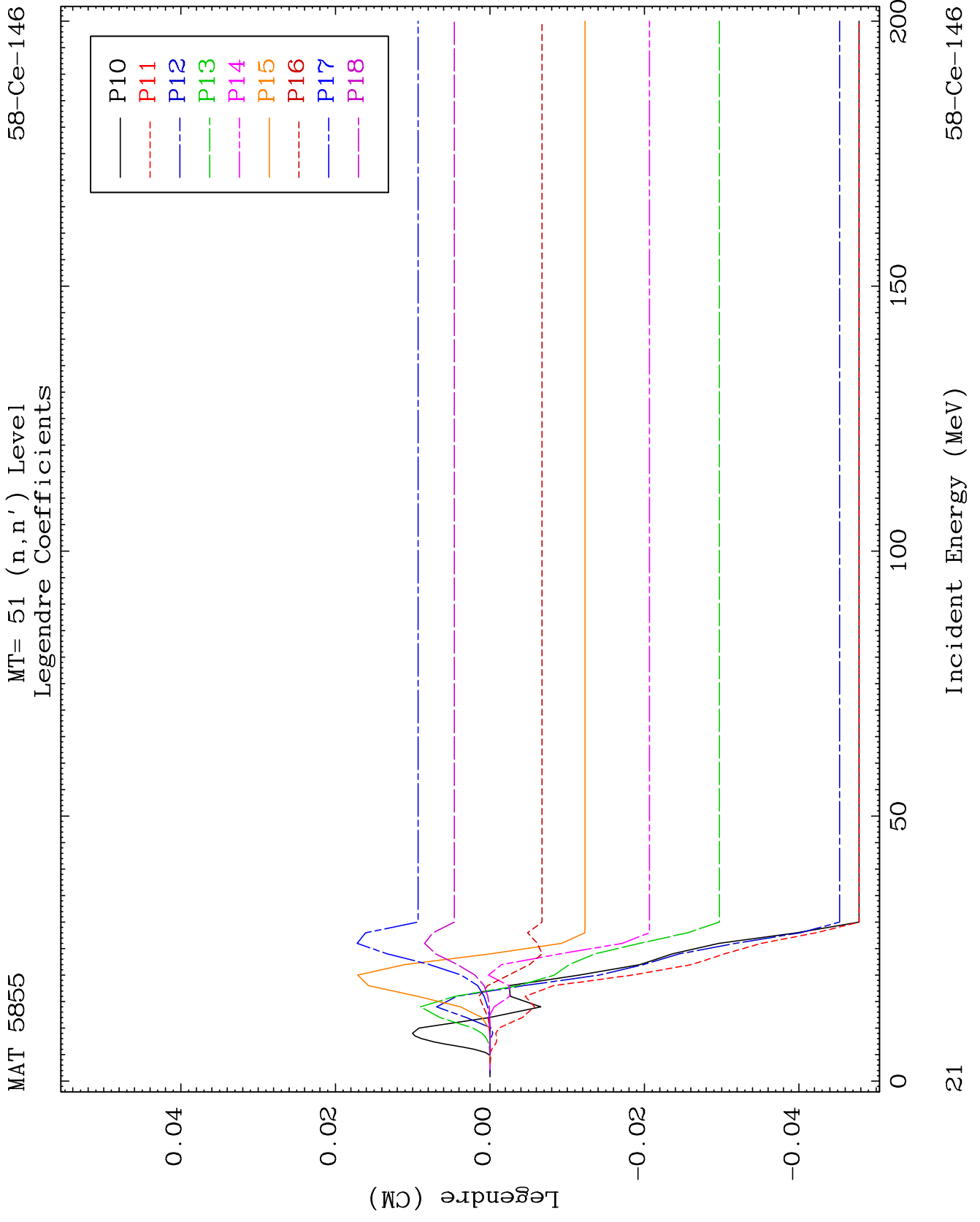
58-Ce-146



58-Ce-146

Incident Energy (MeV)

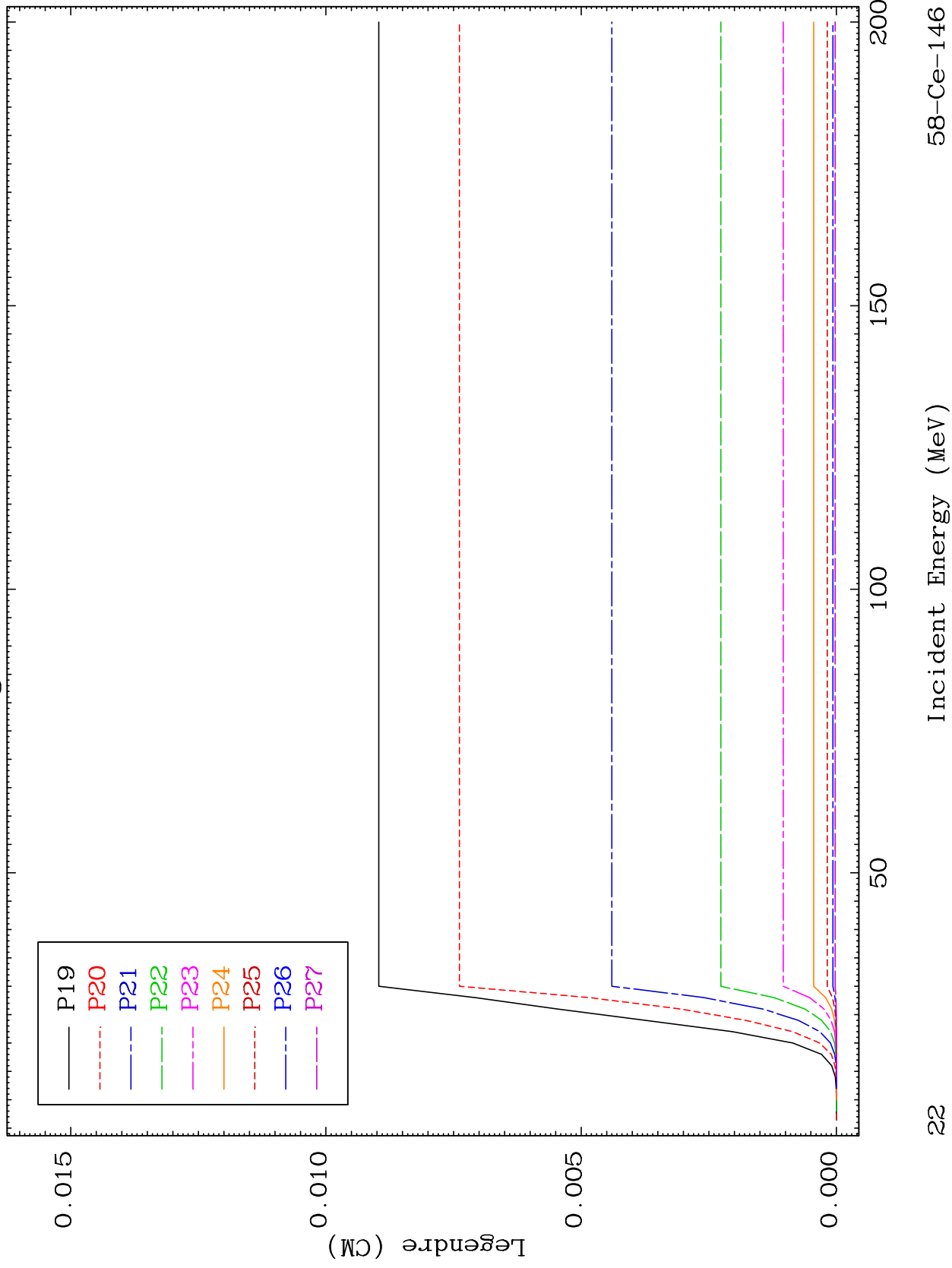
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MAT 5855

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

58-Ce-146



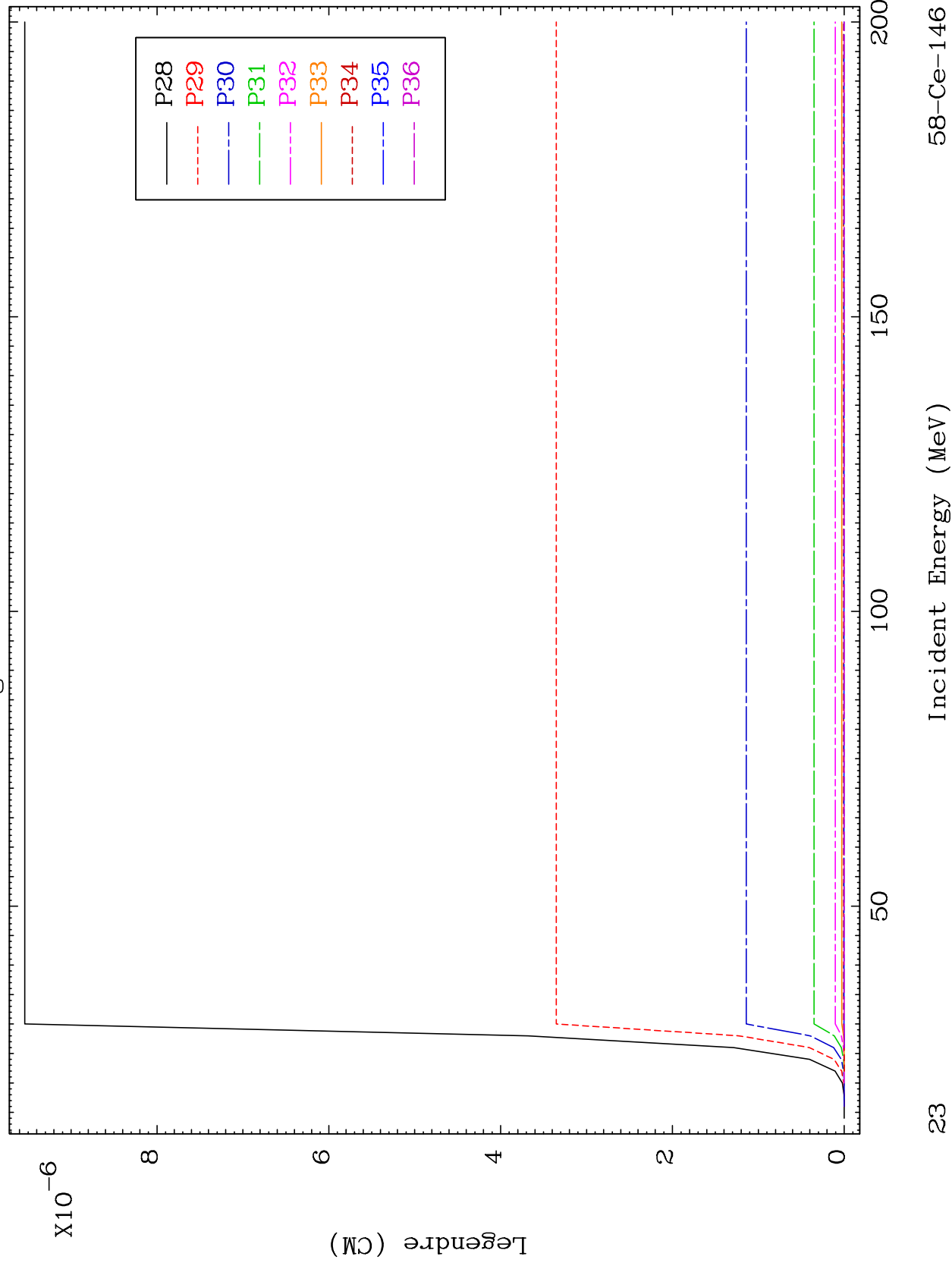
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58-Ce-146

MAT 5855

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

58-Ce-146



23

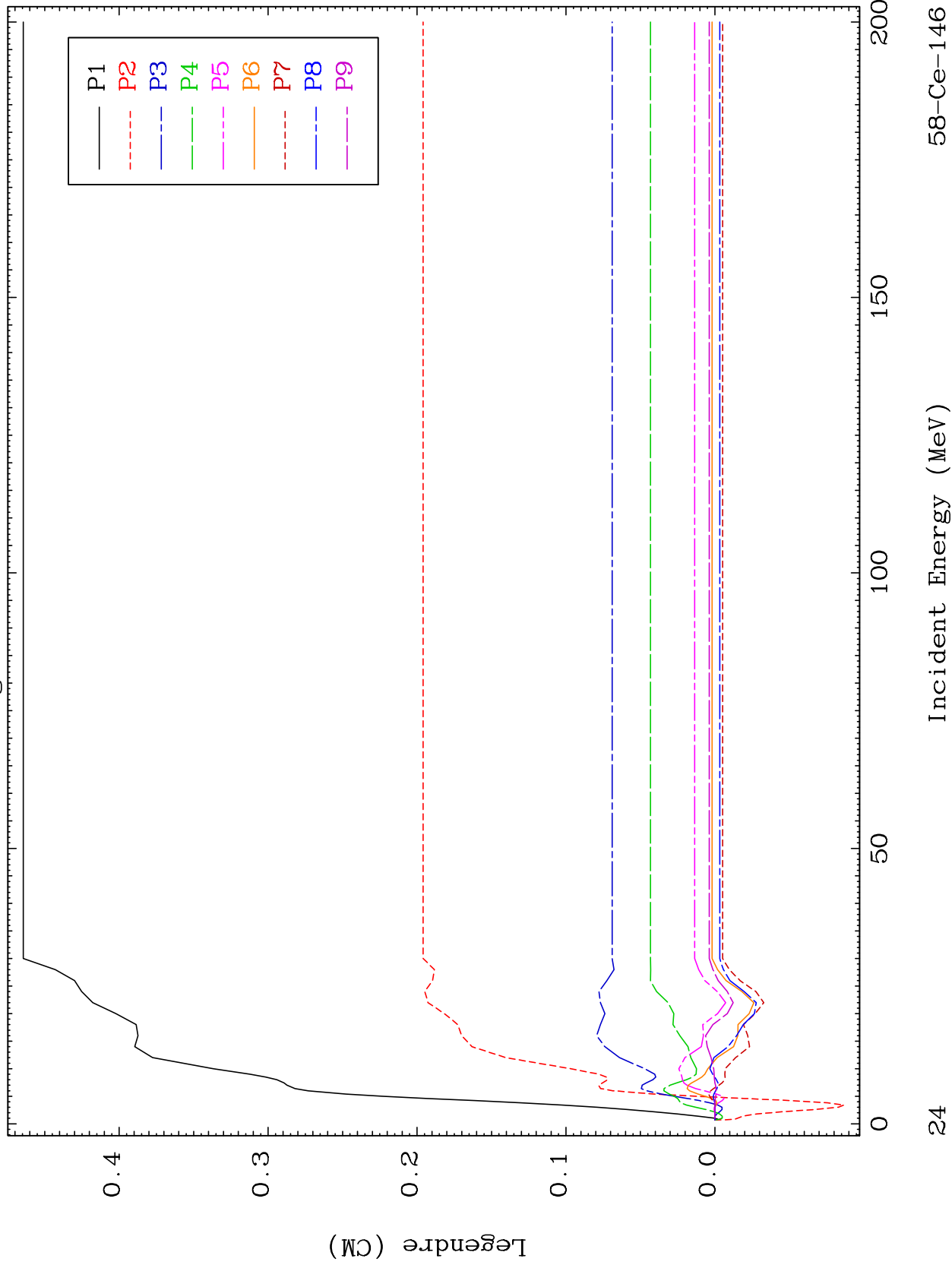
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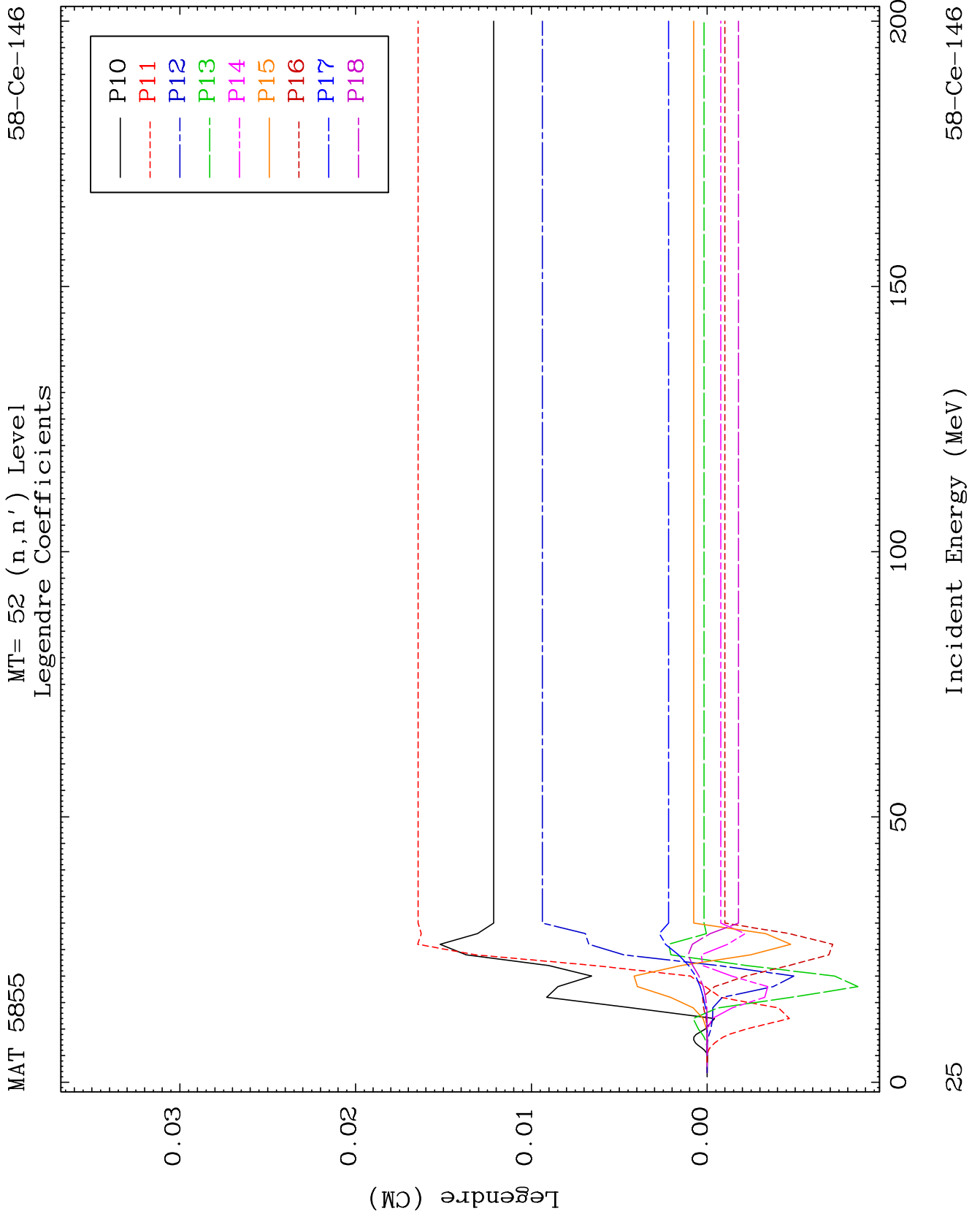
MAT 5855

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

58-Ce-146



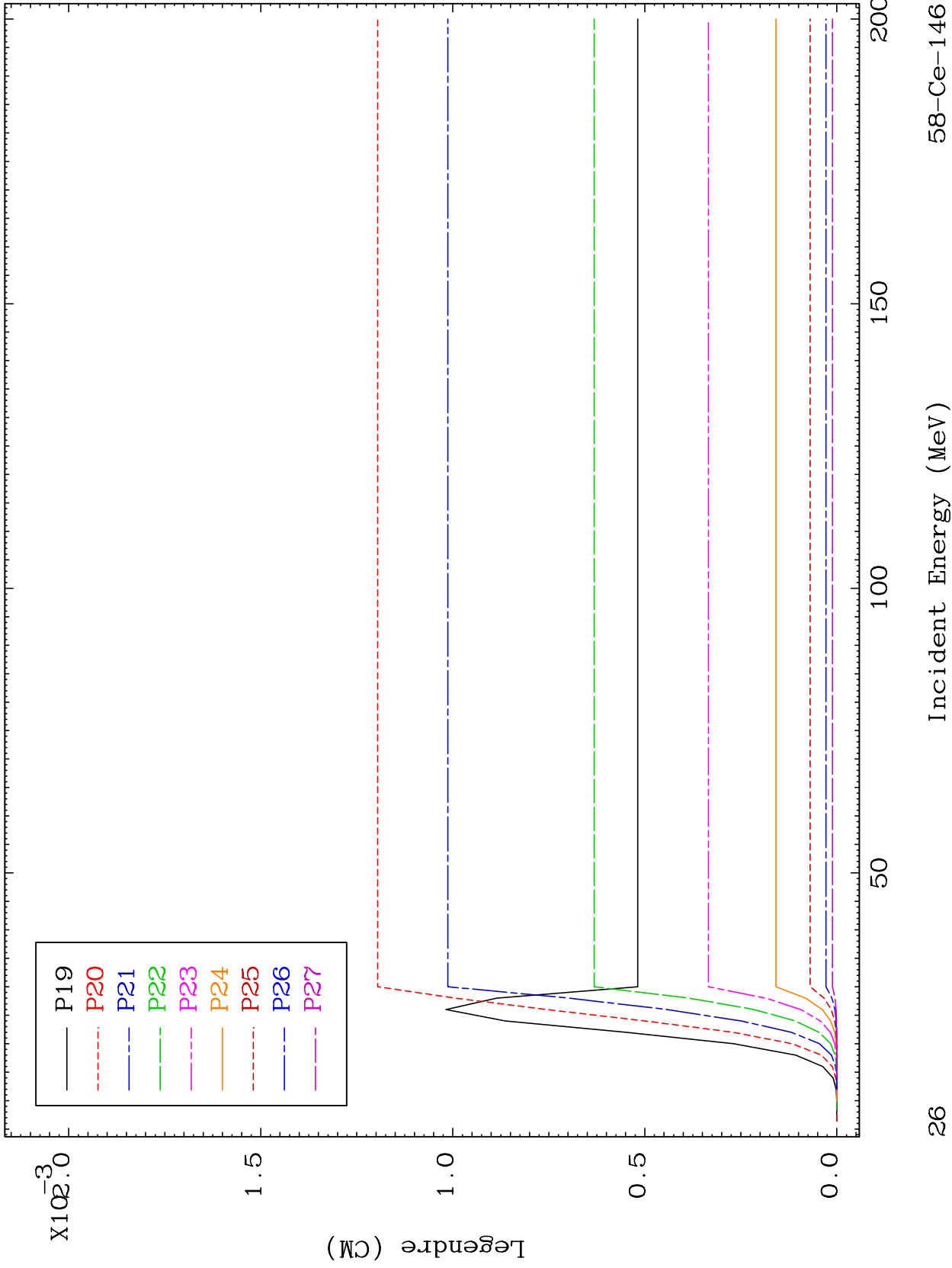
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MAT 5855

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

58-Ce-146

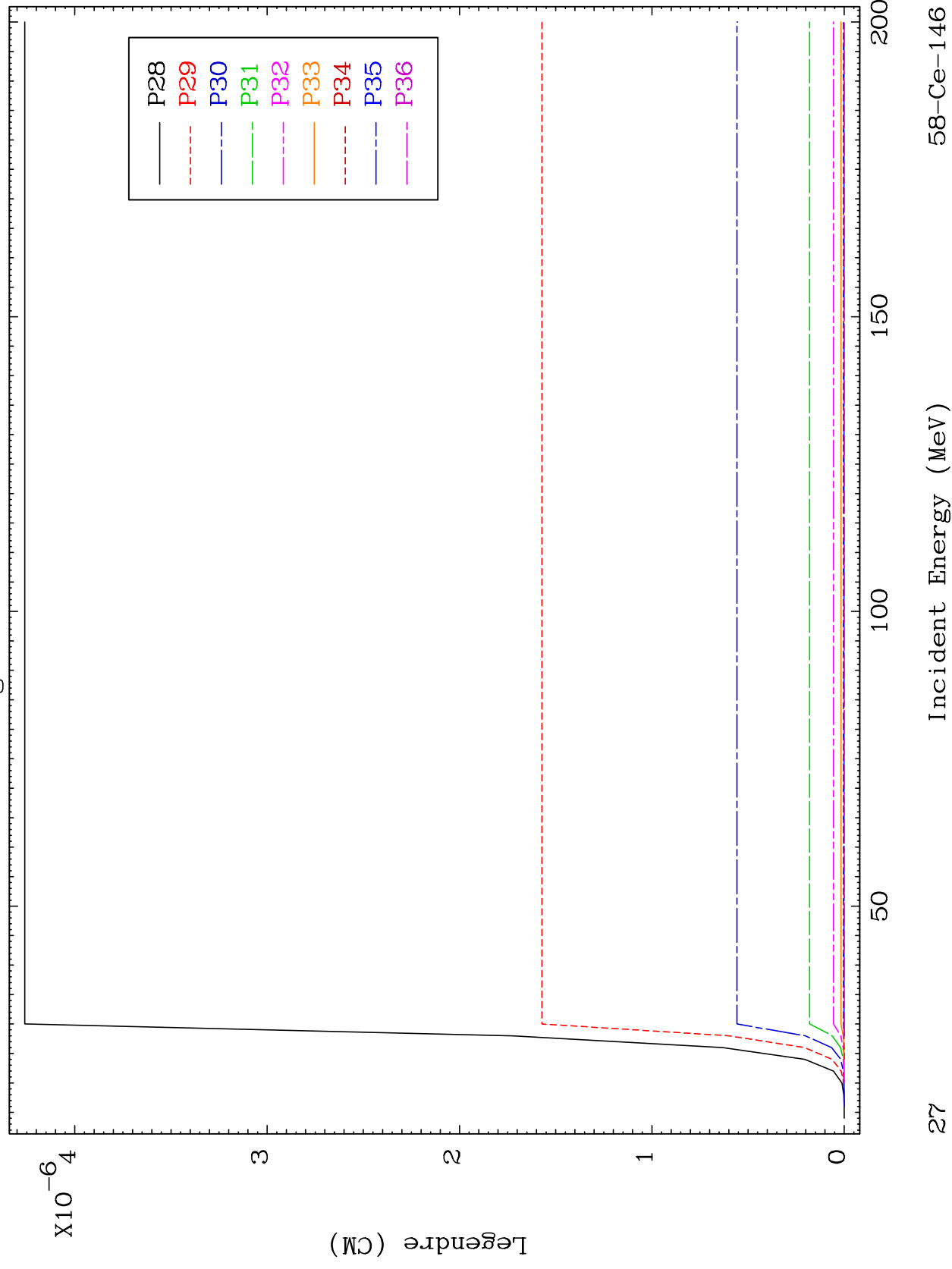


26

MAT 5855

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

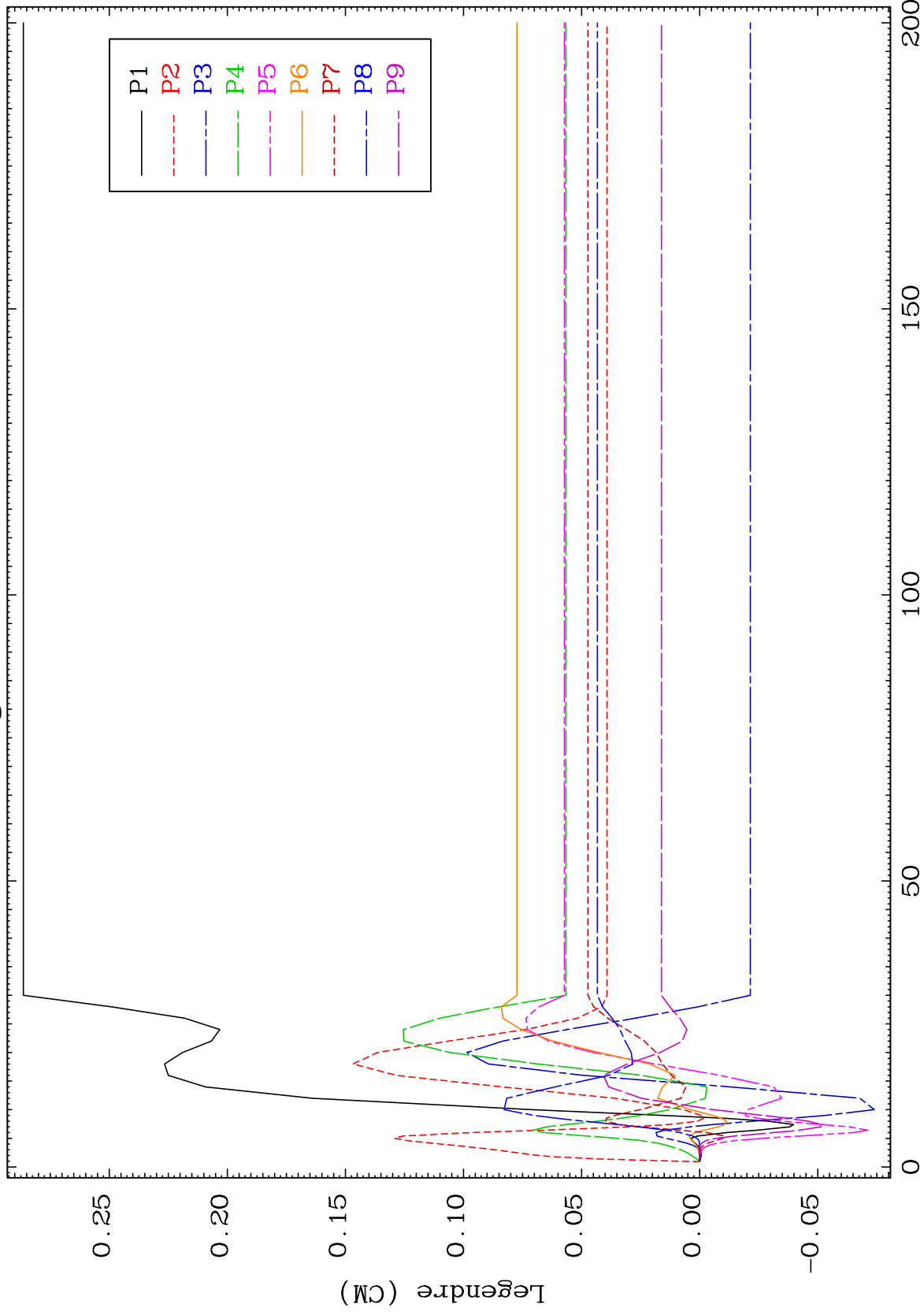
58-Ce-146



MAT 5855

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

58-Ce-146



58-Ce-146

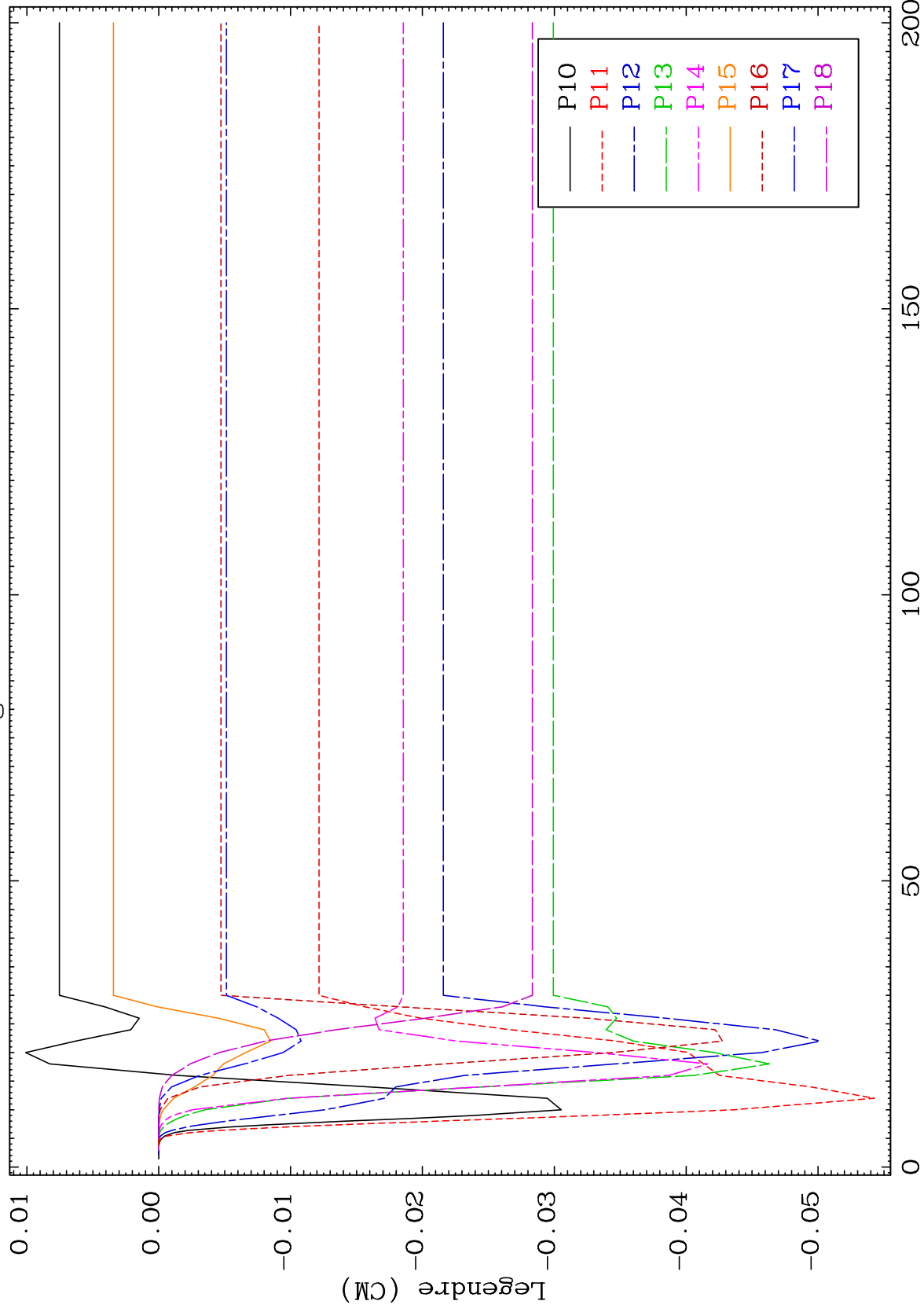
Incident Energy (MeV)

28

MAT 5855

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

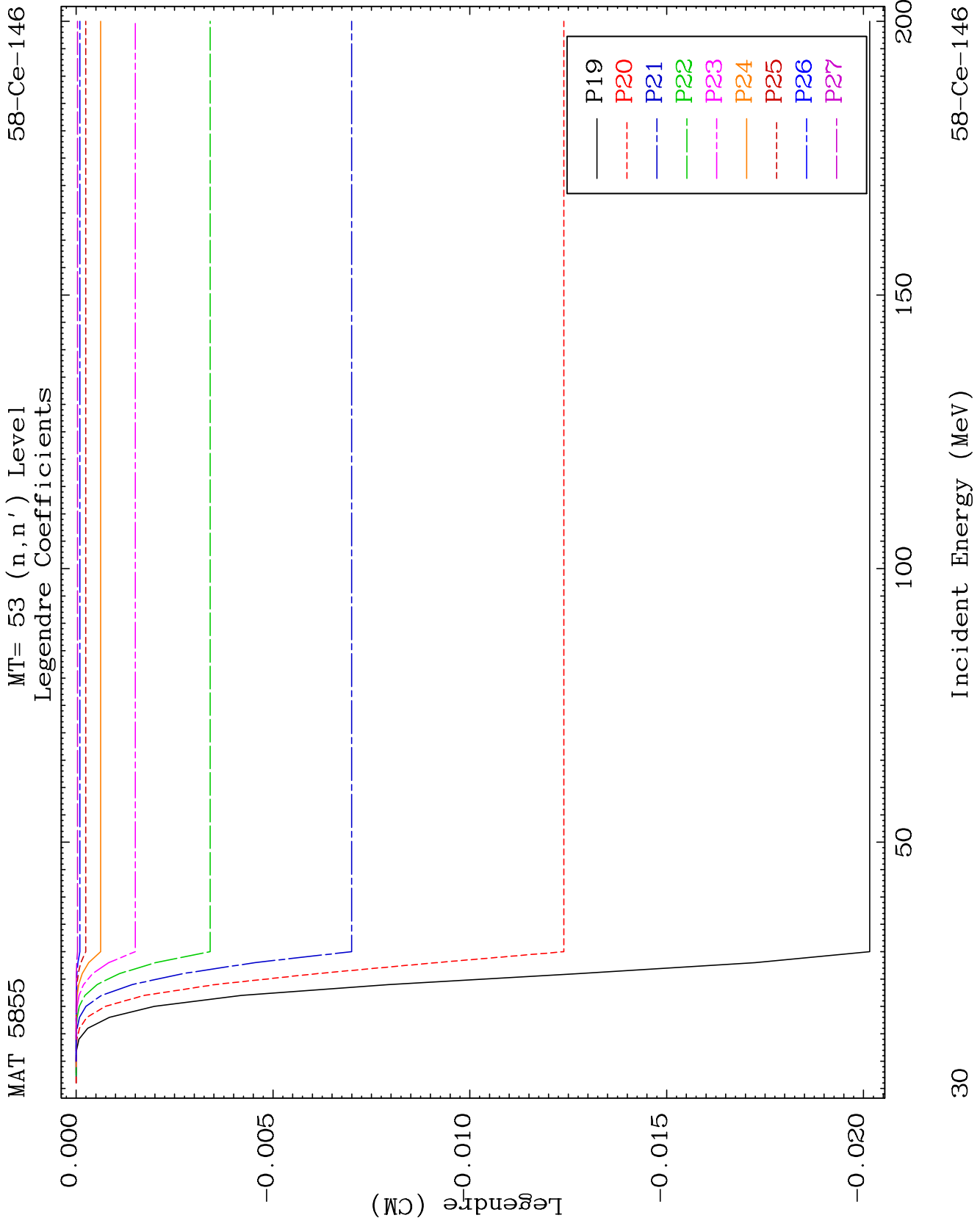
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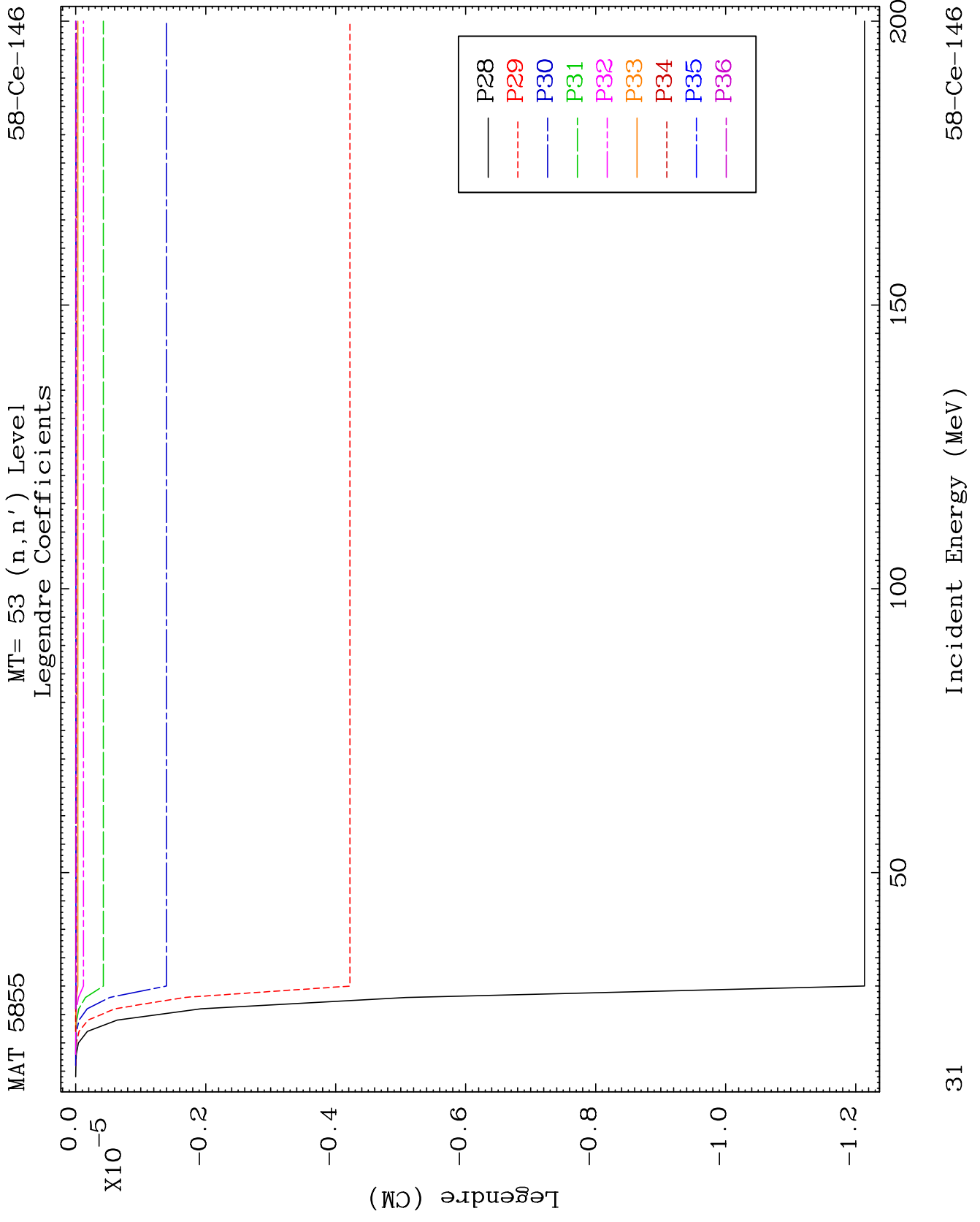


29

Incident Energy (MeV)

58-Ce-146



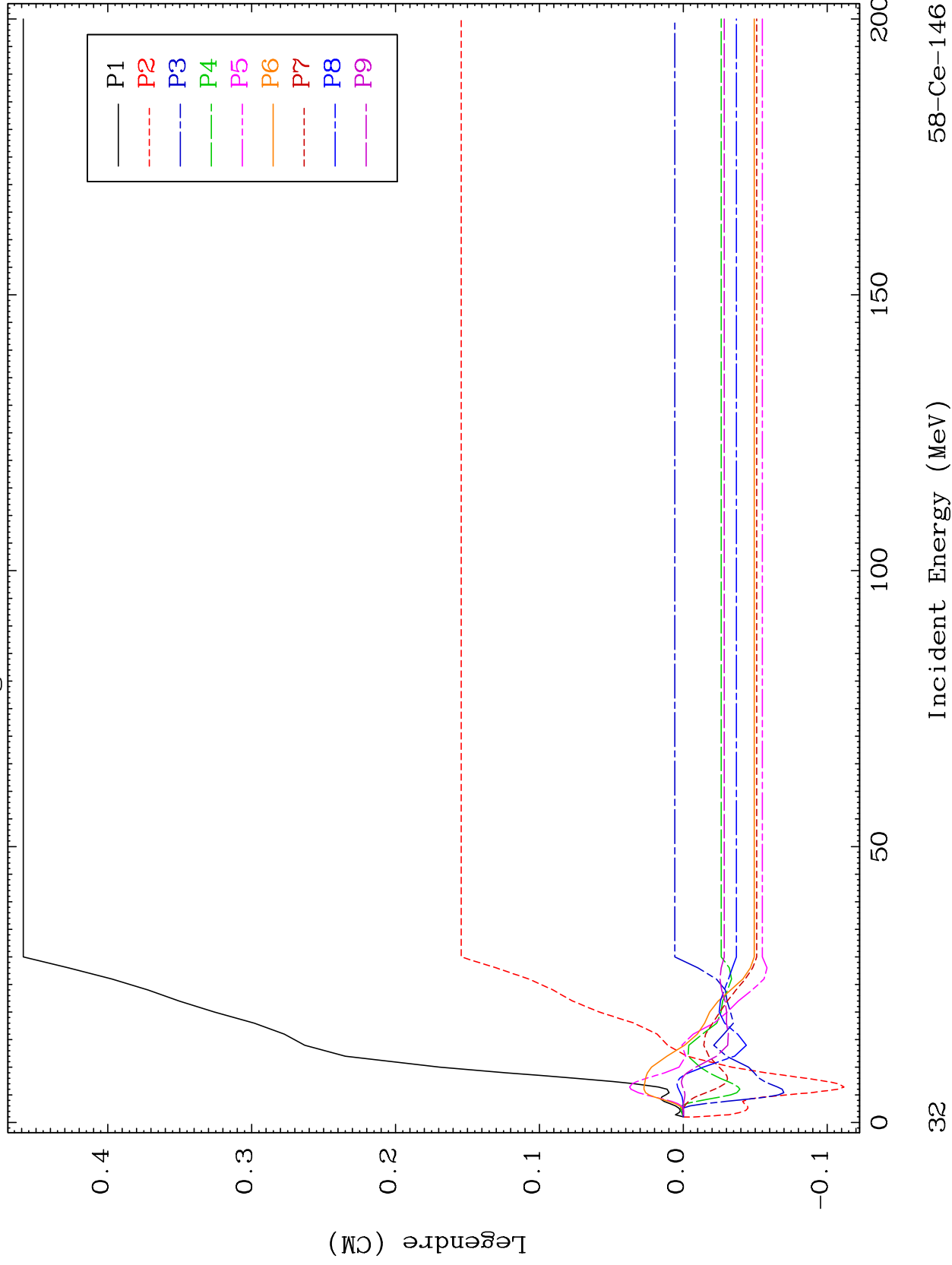




MAT 5855

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

58-Ce-146



58-Ce-146

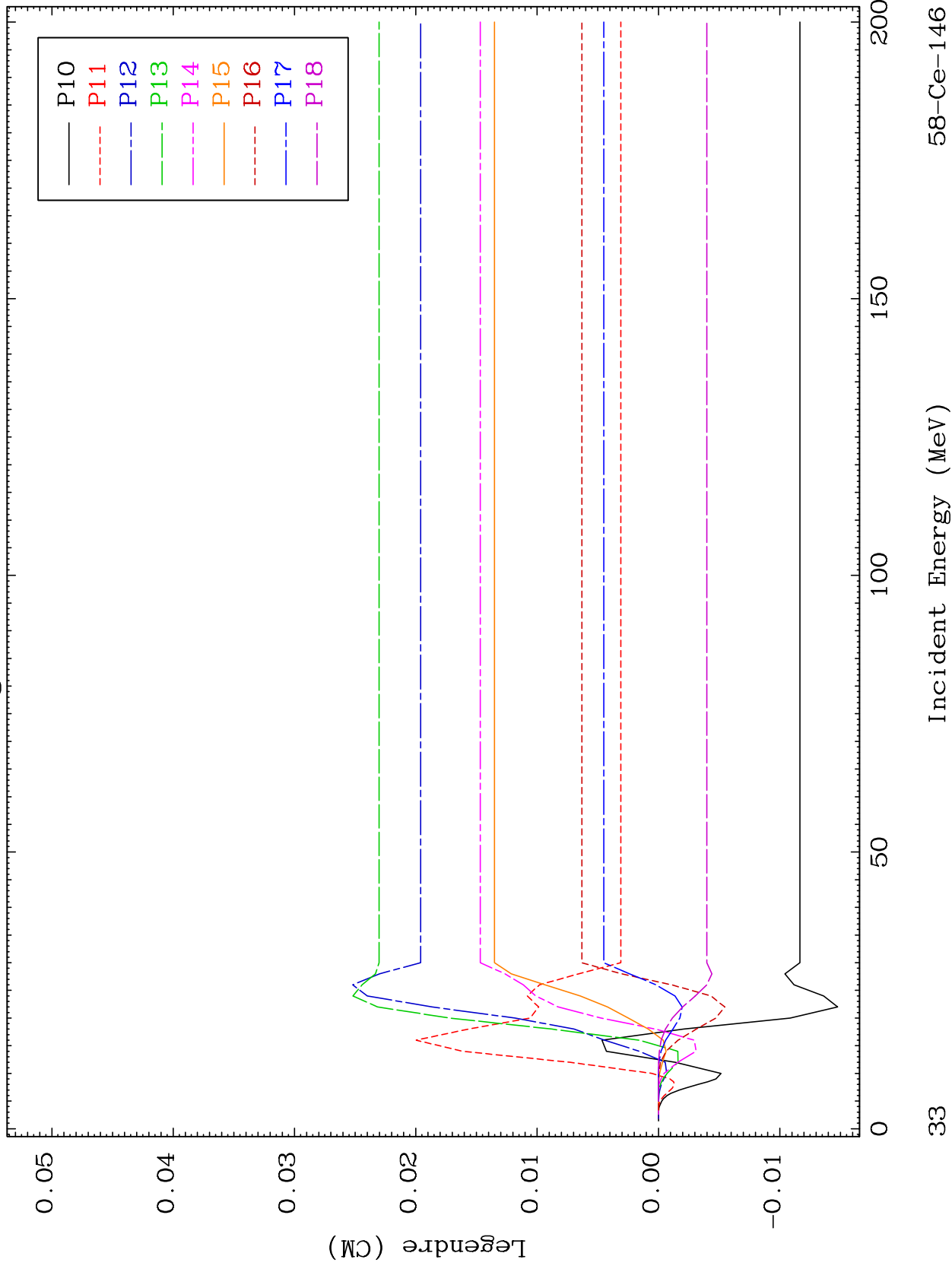
Incident Energy (MeV)

32

MAT 58555

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

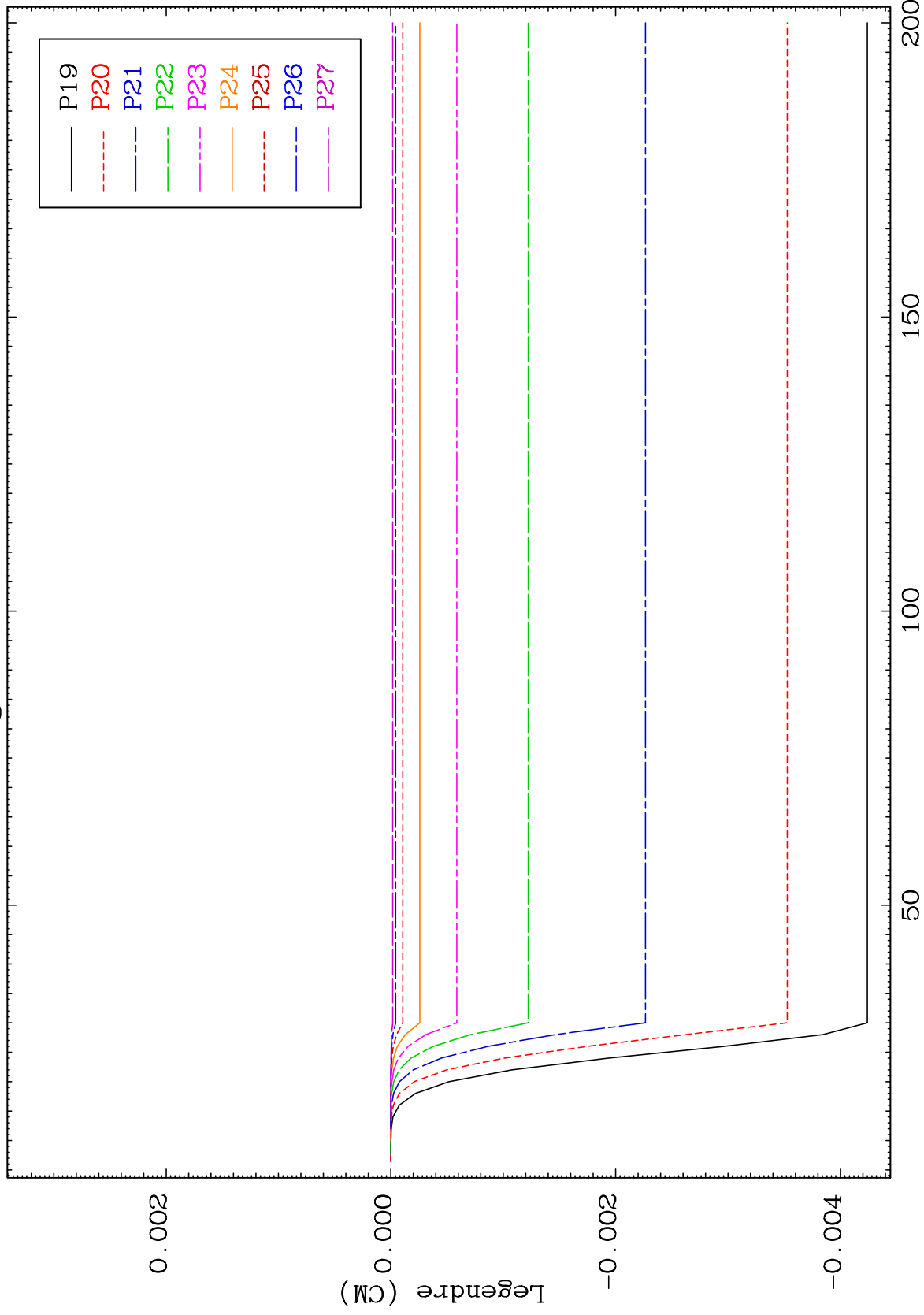
58-Ce-146



MAT 5855

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

58-Ce-146



34

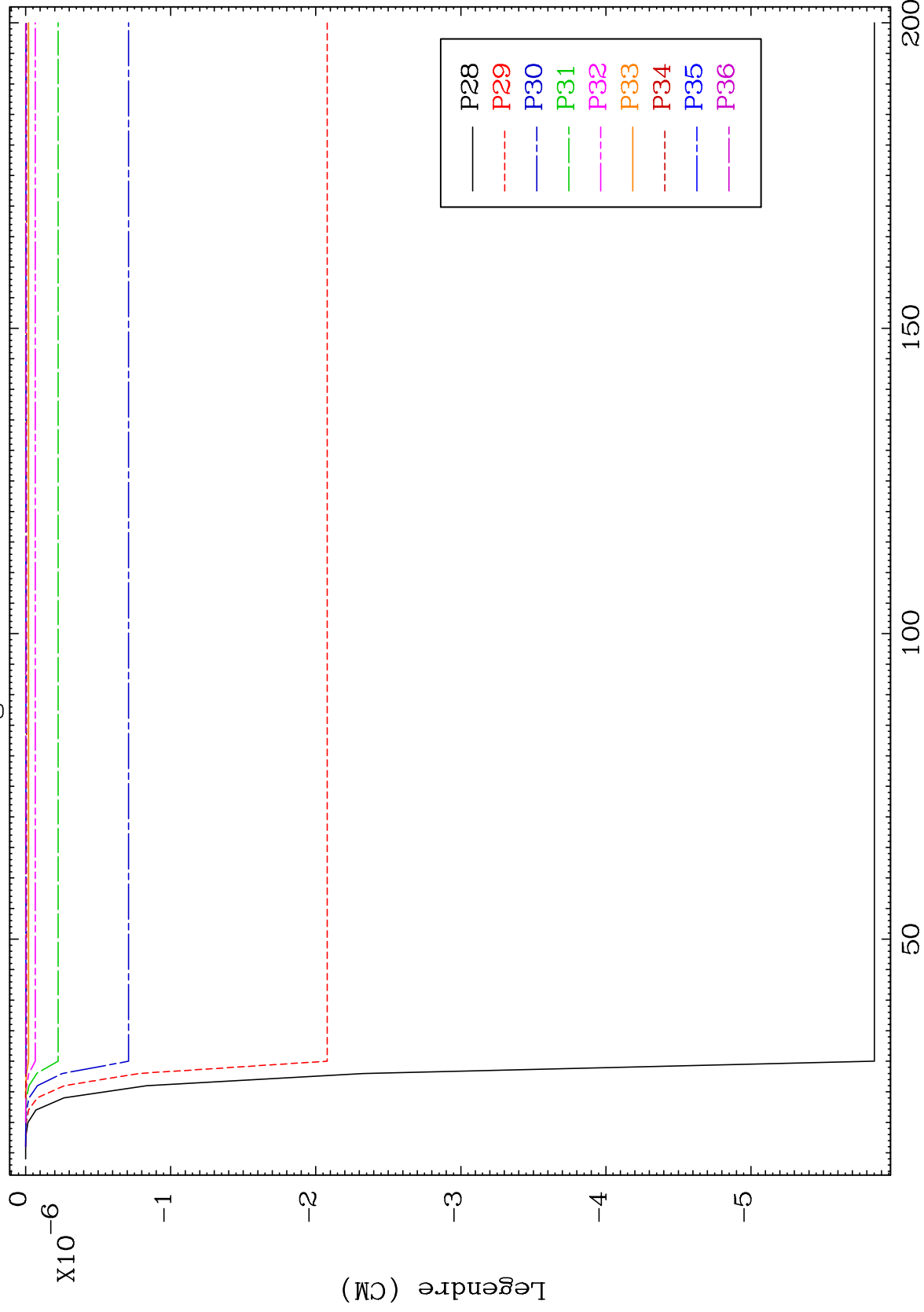
Incident Energy (MeV)

58-Ce-146

MAT 5855

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

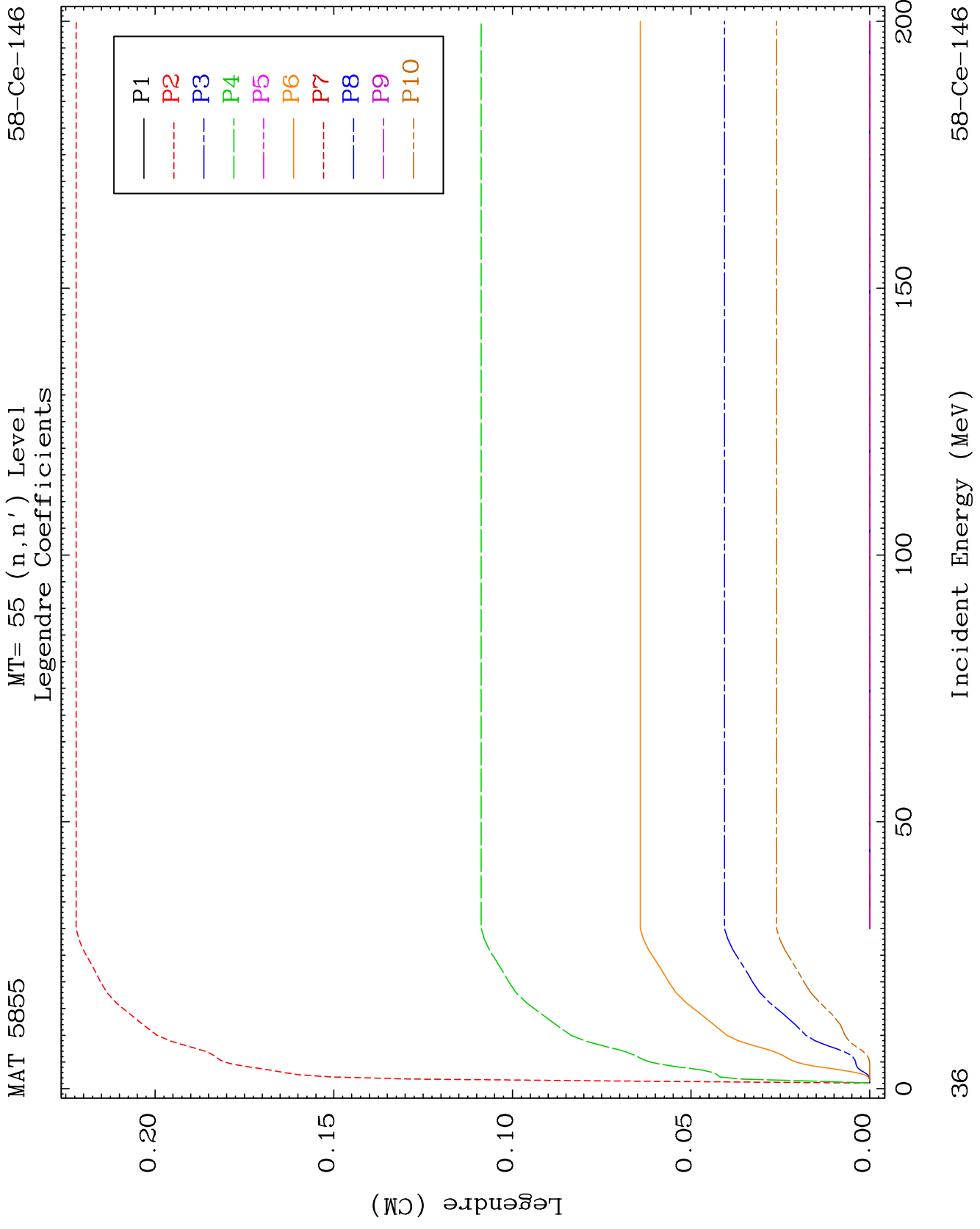
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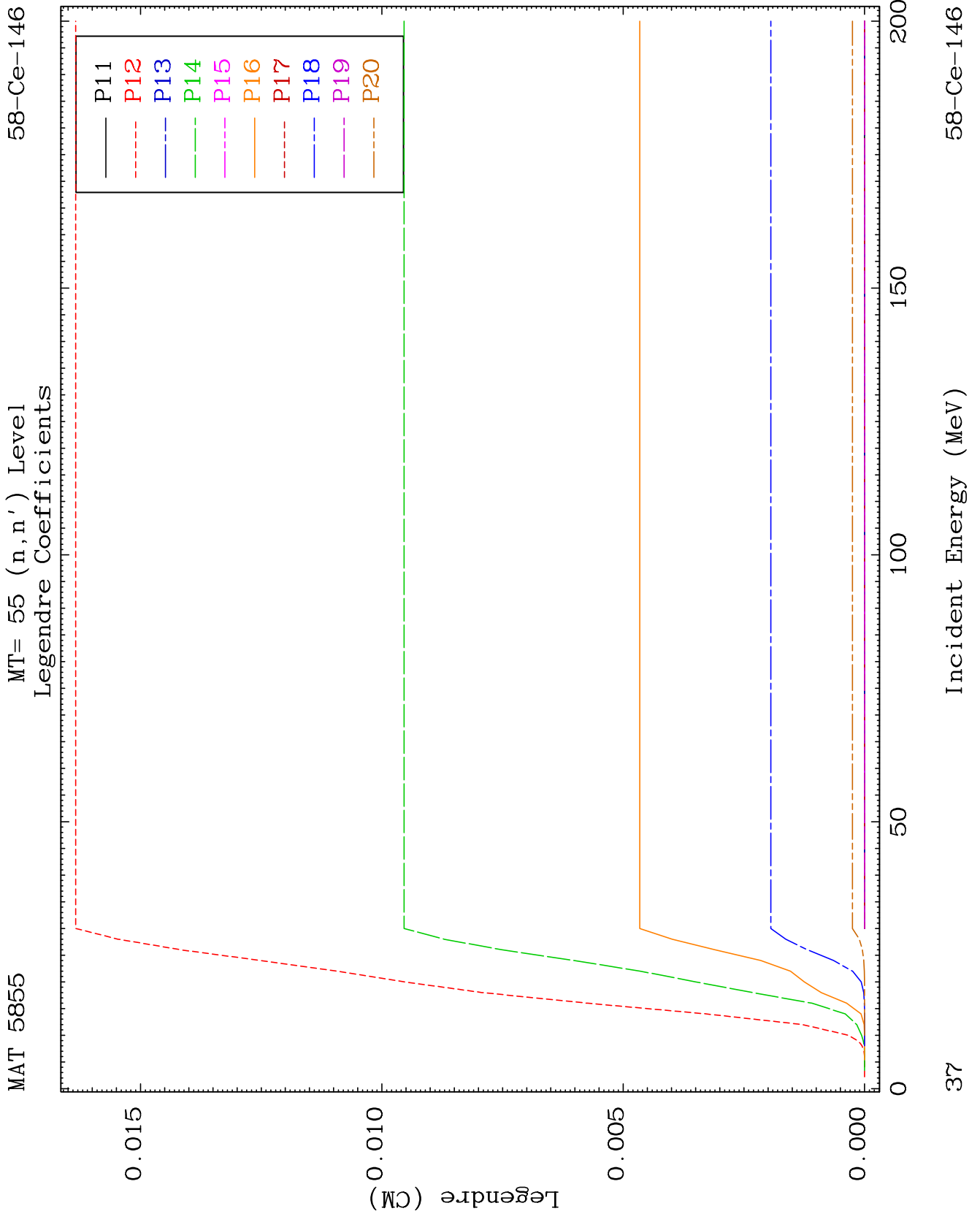


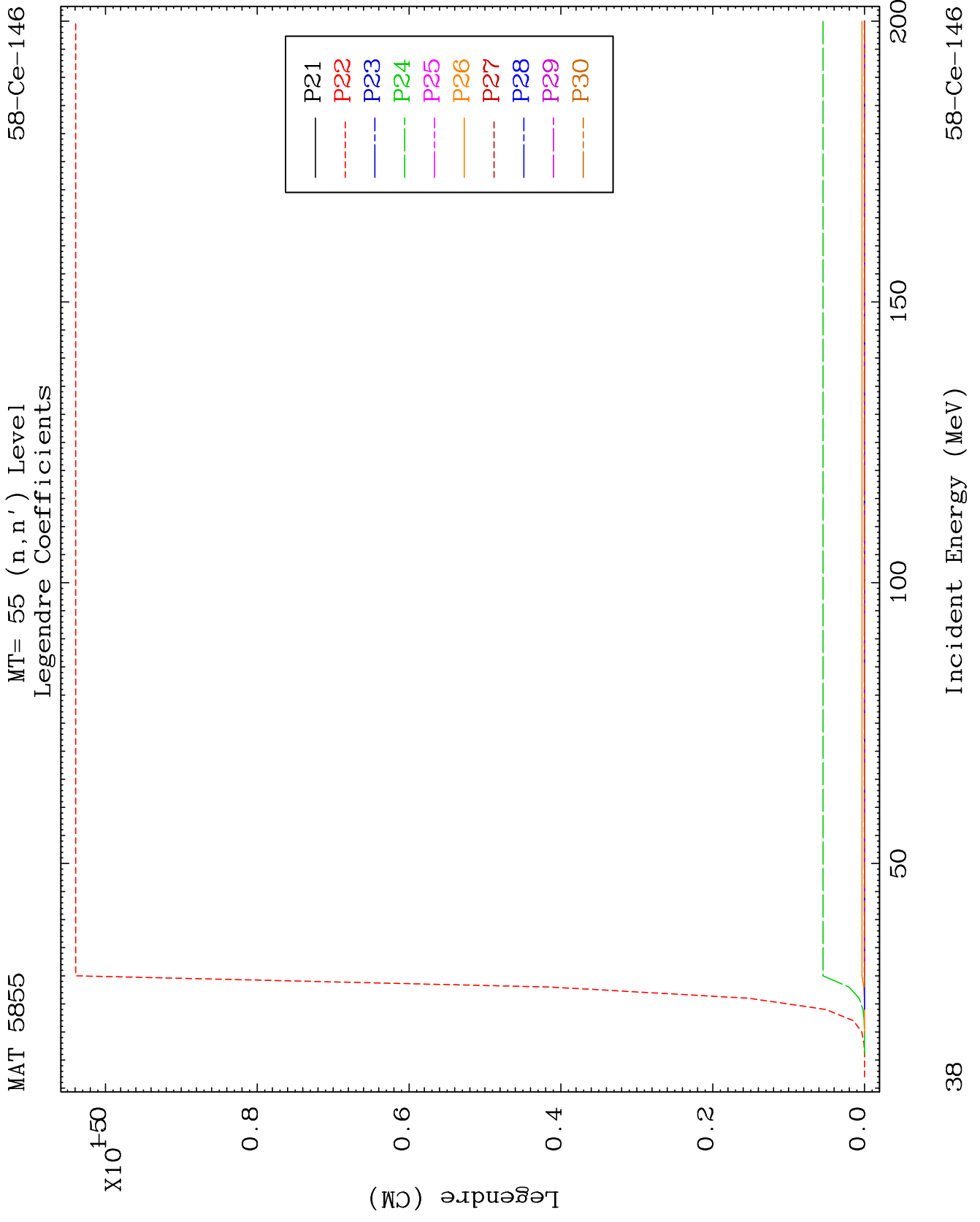
35

Incident Energy (MeV)

58-Ce-146



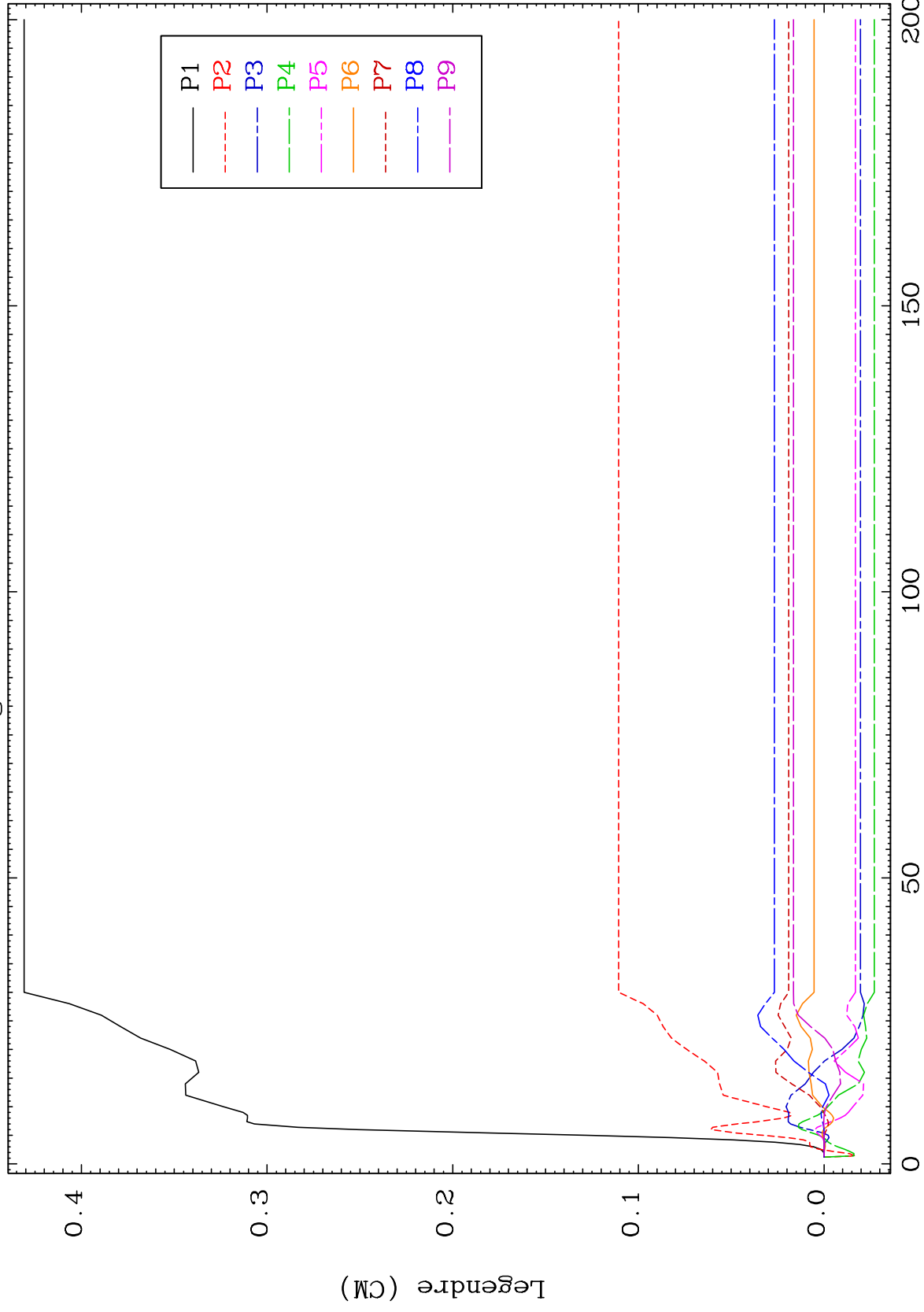




MAT 5855

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

58-Ce-146



39

Incident Energy (MeV)

58-Ce-146

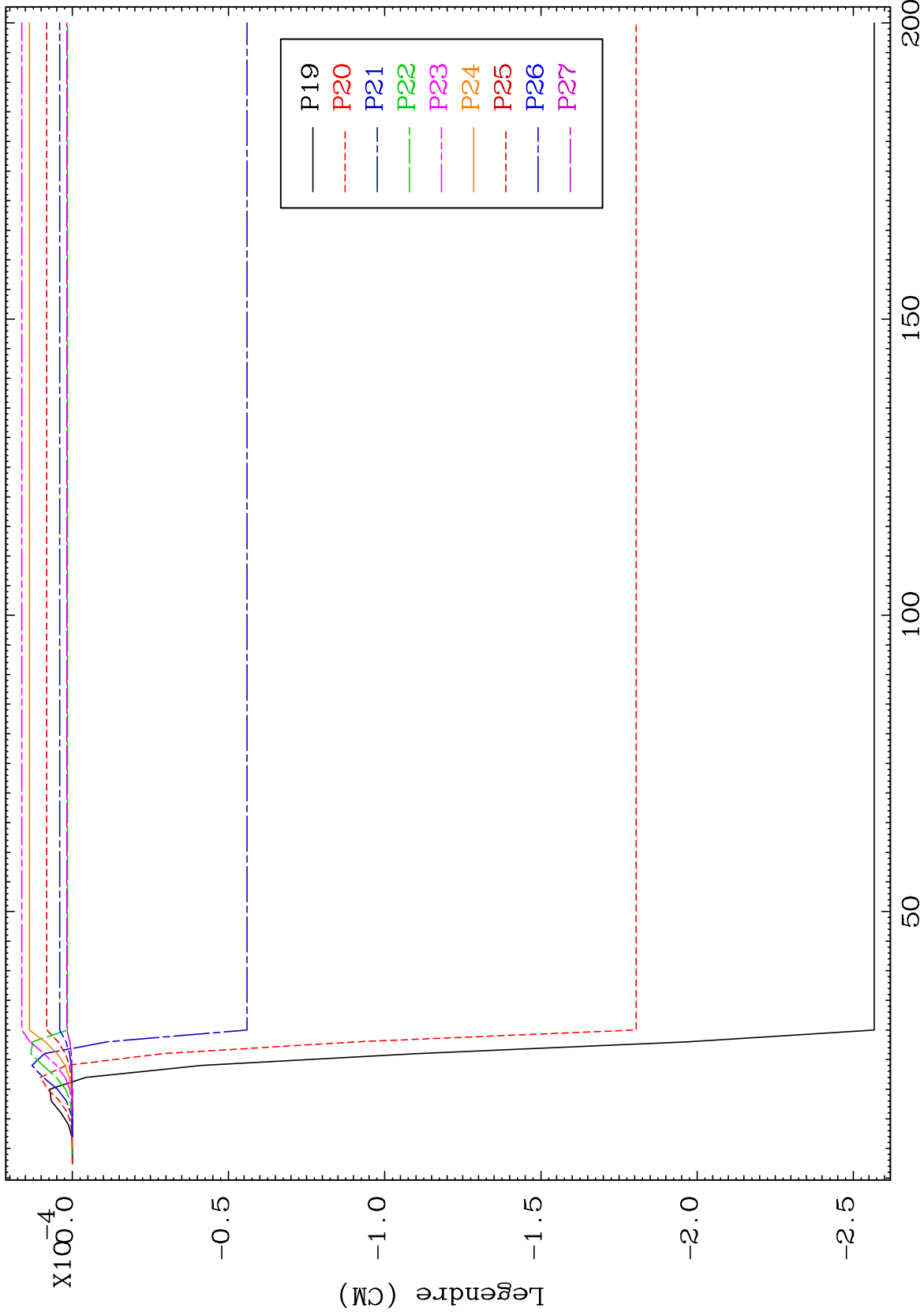




MAT 5855

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

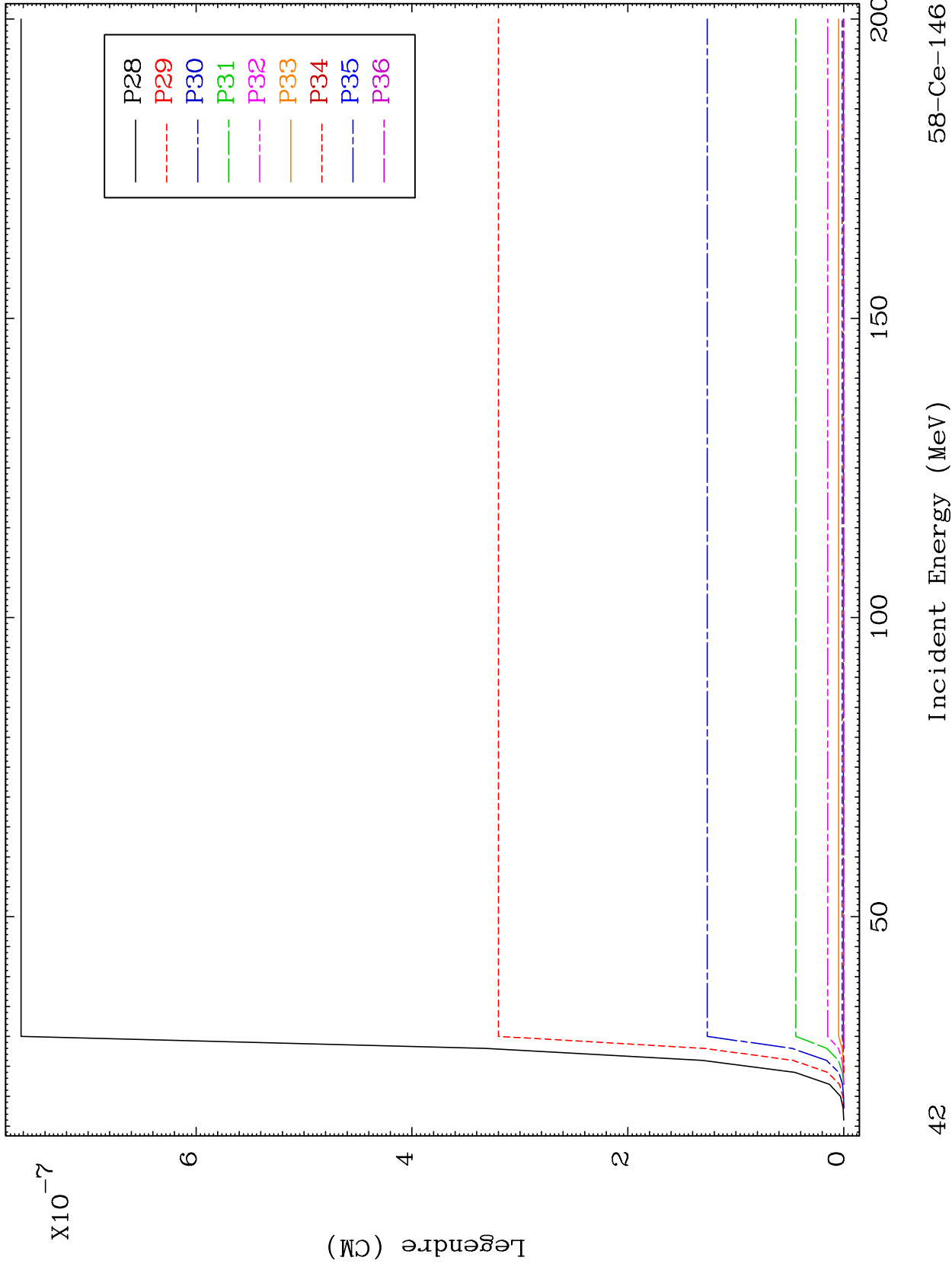
58-Ce-146



MAT 5855

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

58-Ce-146



42

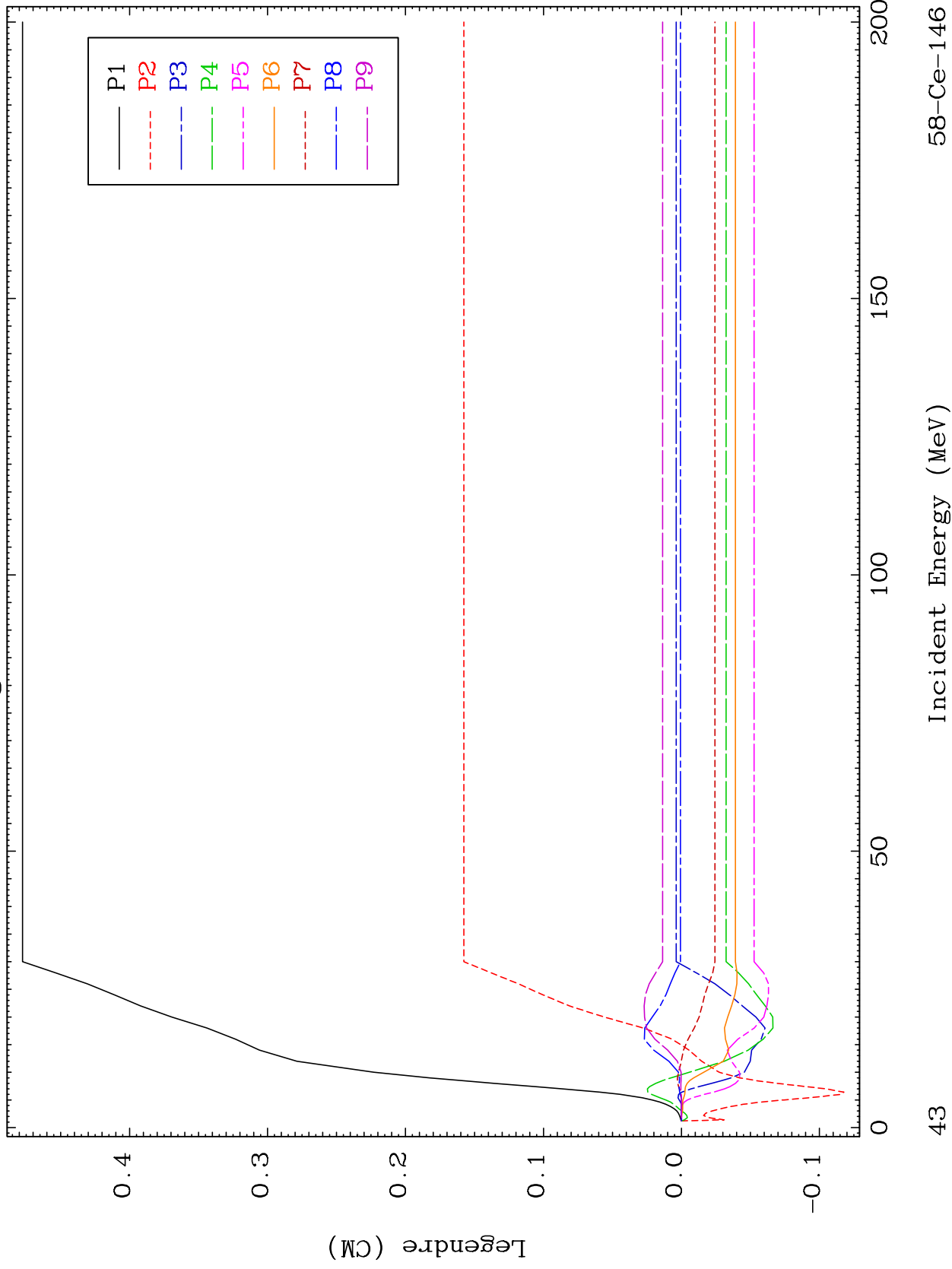
Incident Energy (MeV)

58-Ce-146

MAT 5855

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

58-Ce-146



58-Ce-146

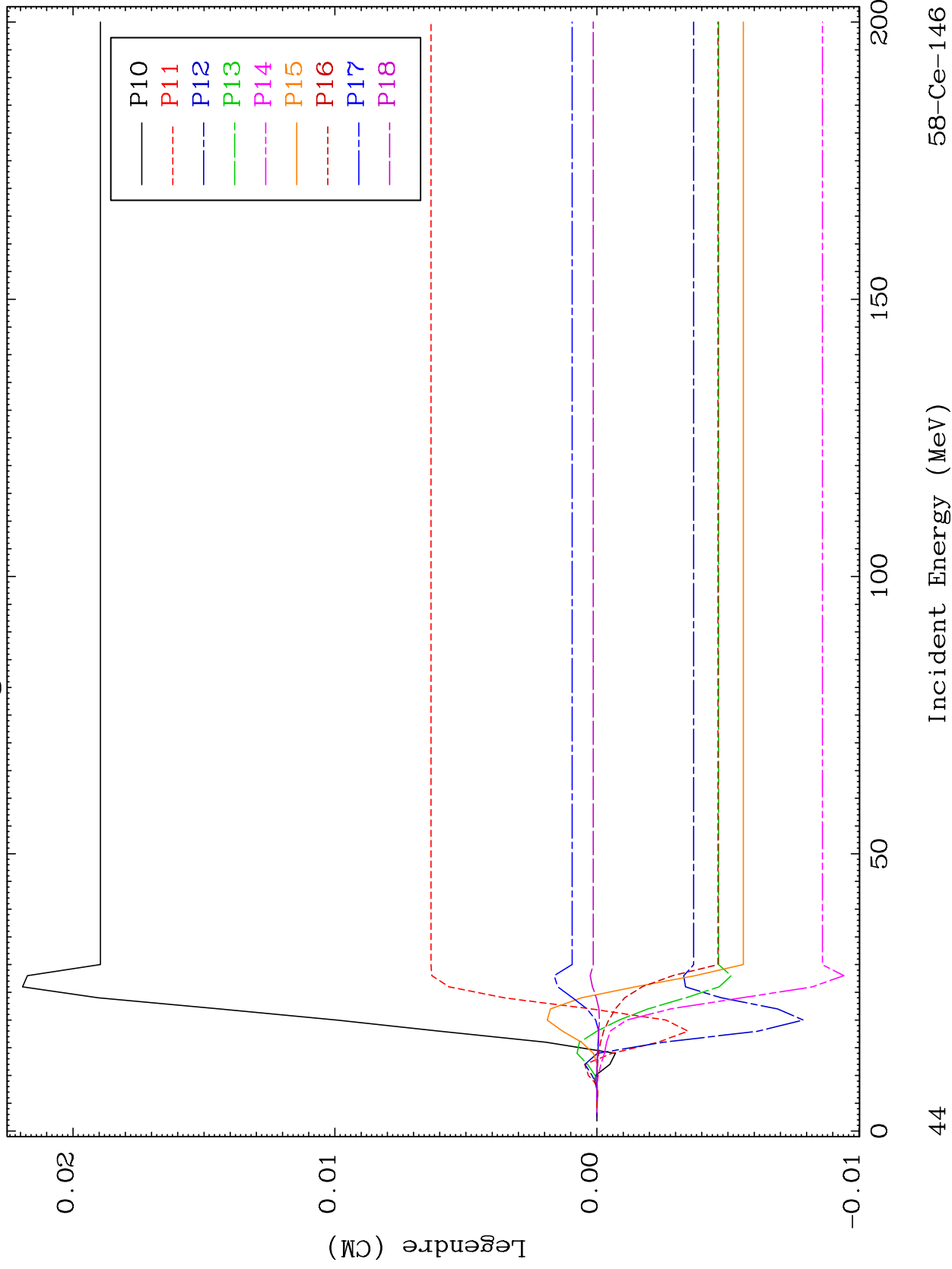
Incident Energy (MeV)

43

MAT 5855

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

58-Ce-146



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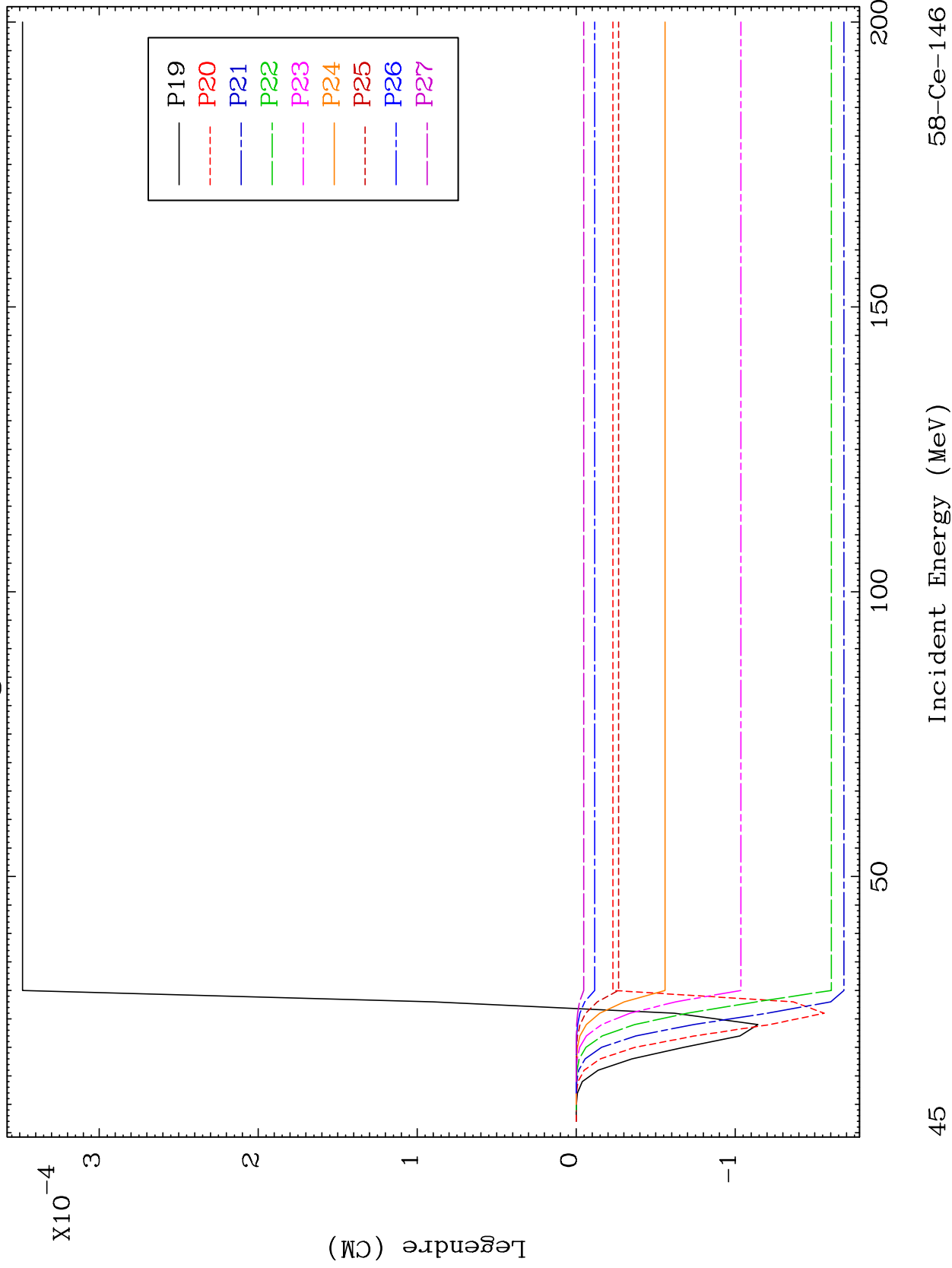
Incident Energy (MeV)

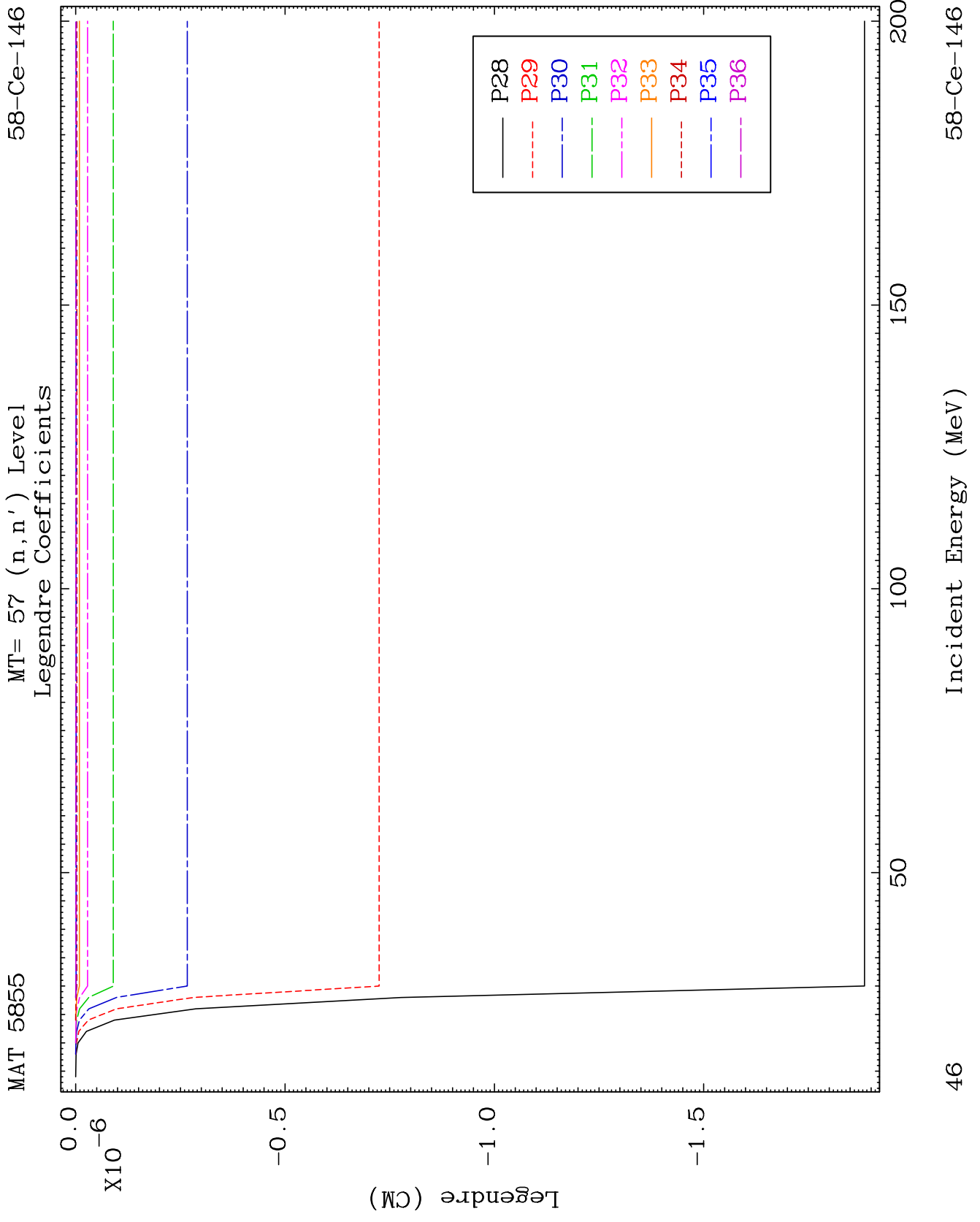
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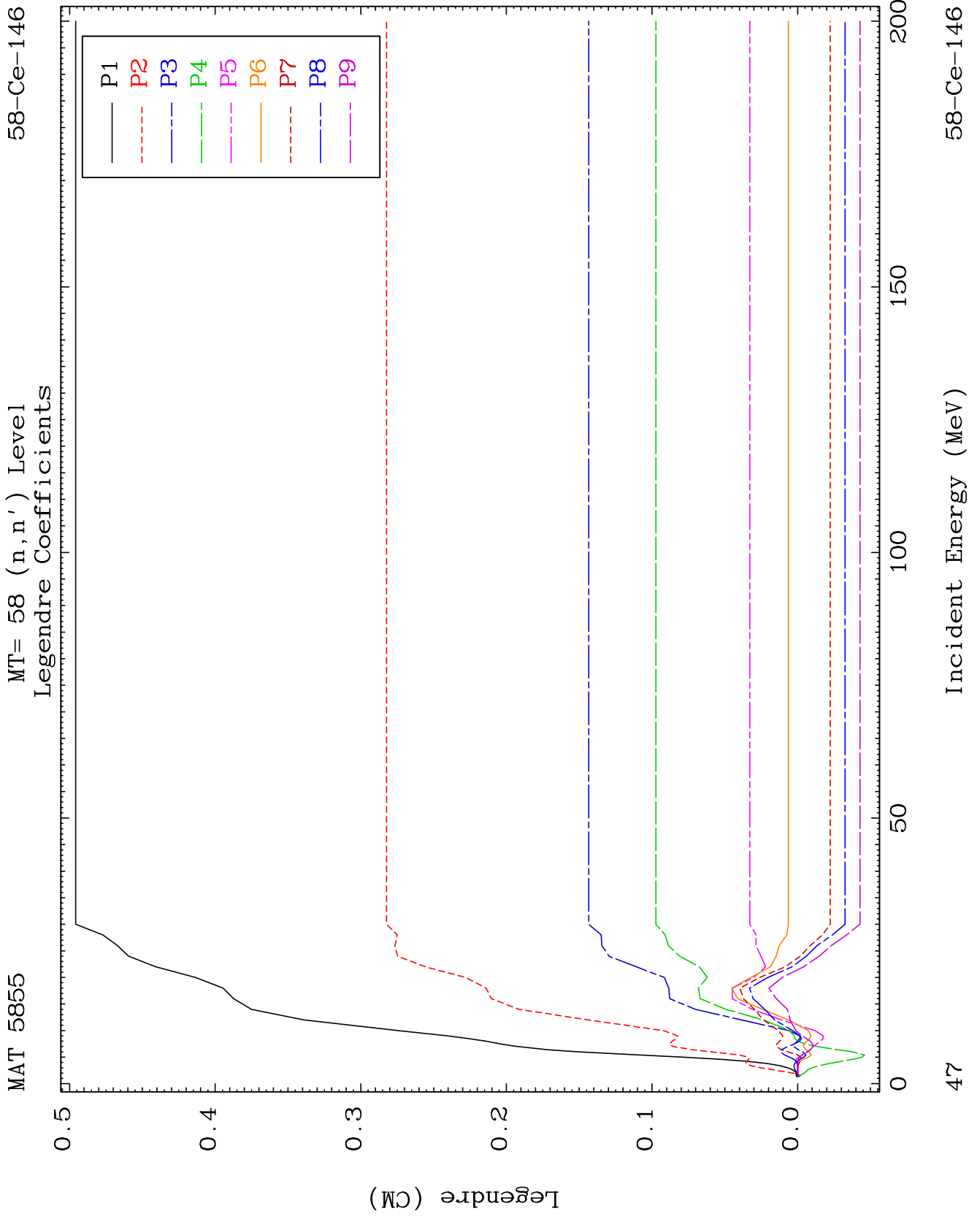
MAT 5855

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

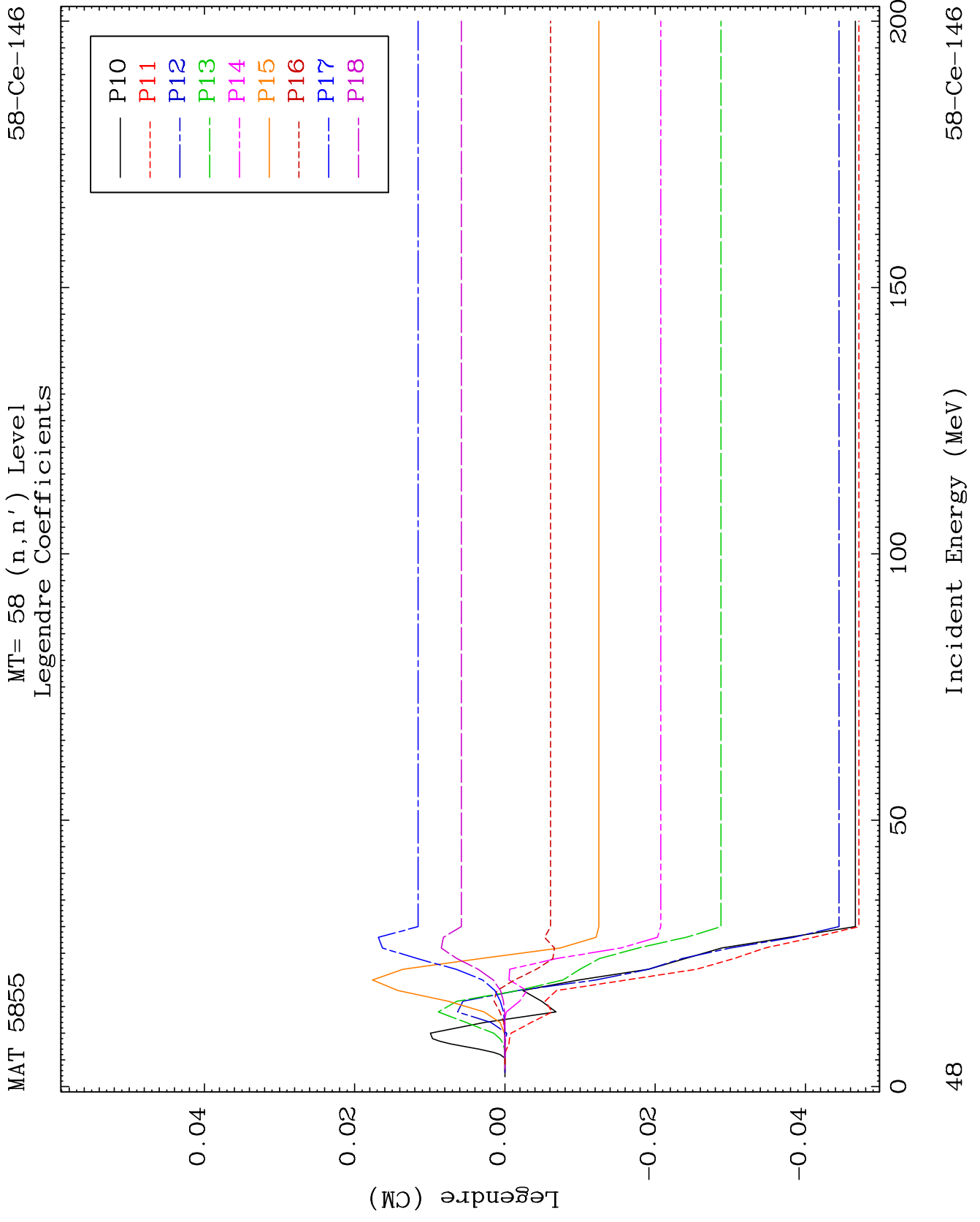
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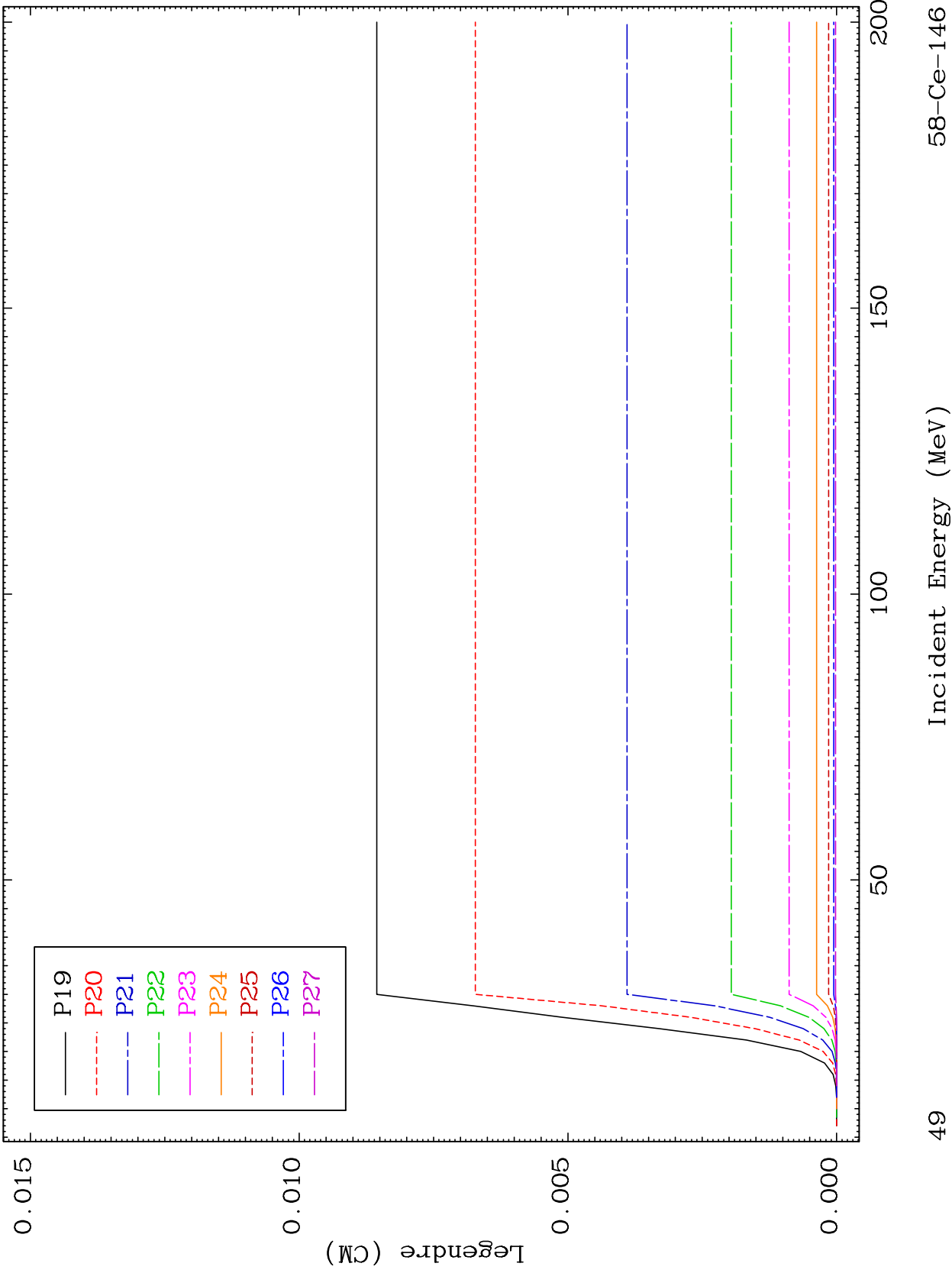




MAT 58555

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

58-Ce-146



49

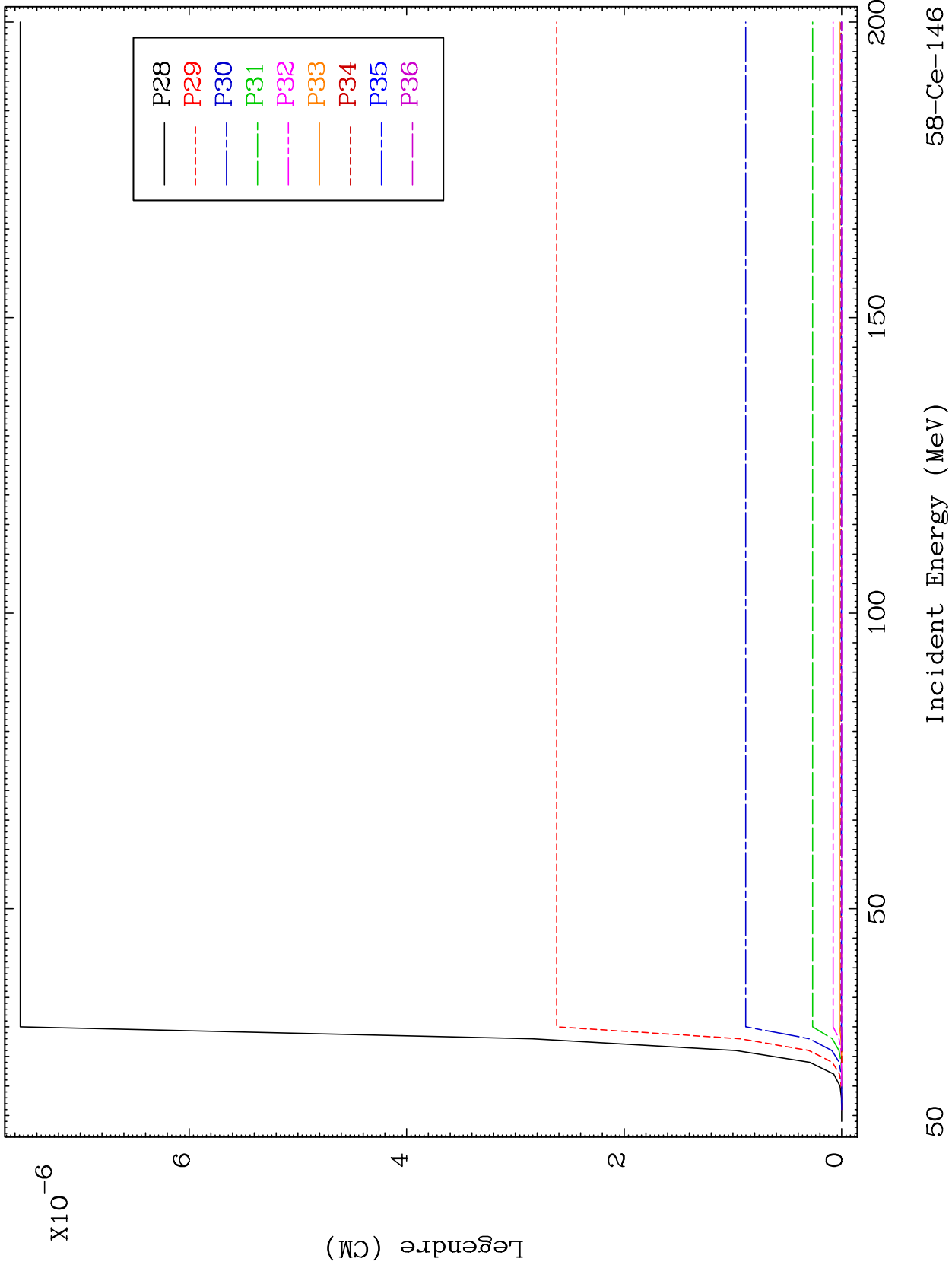
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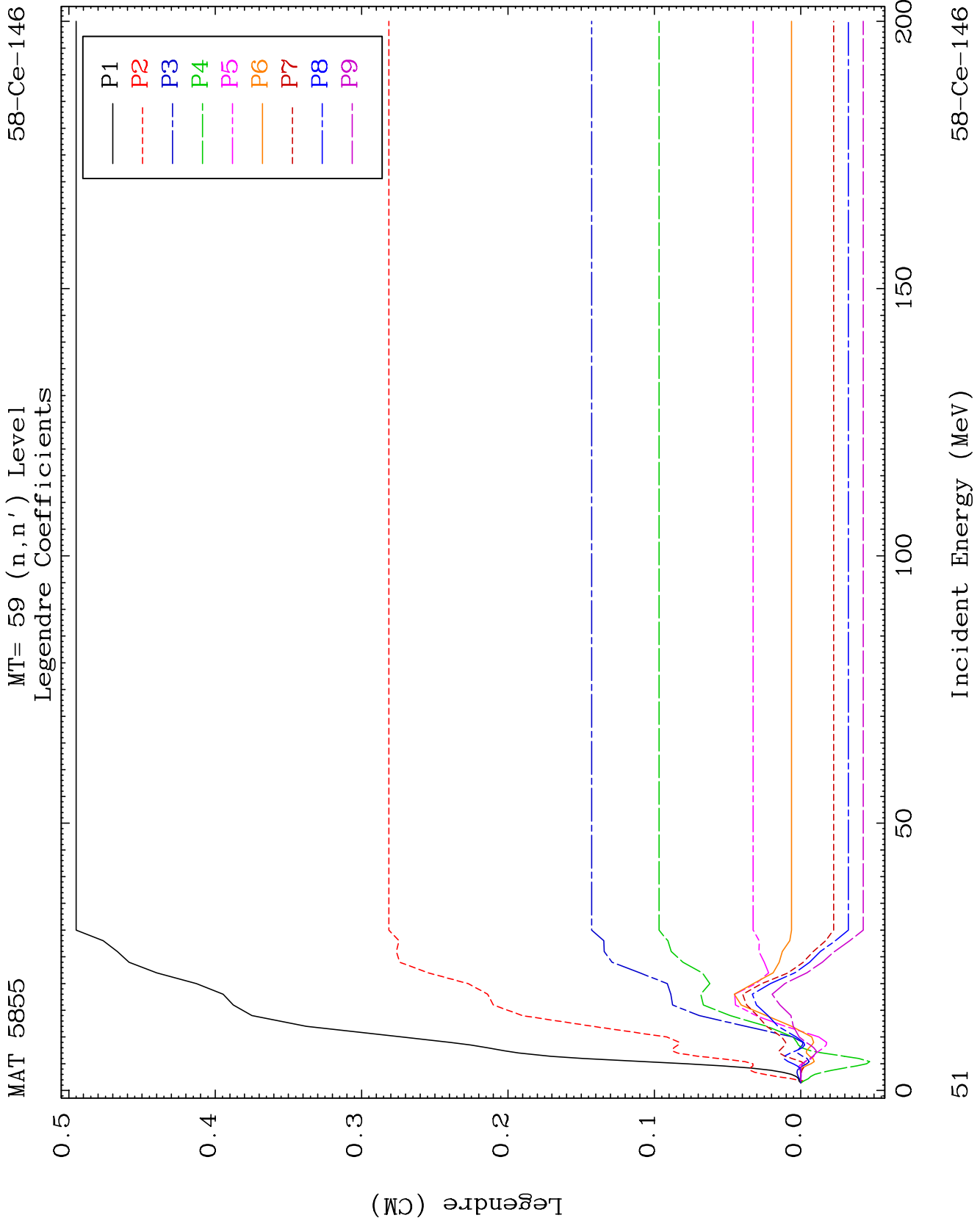
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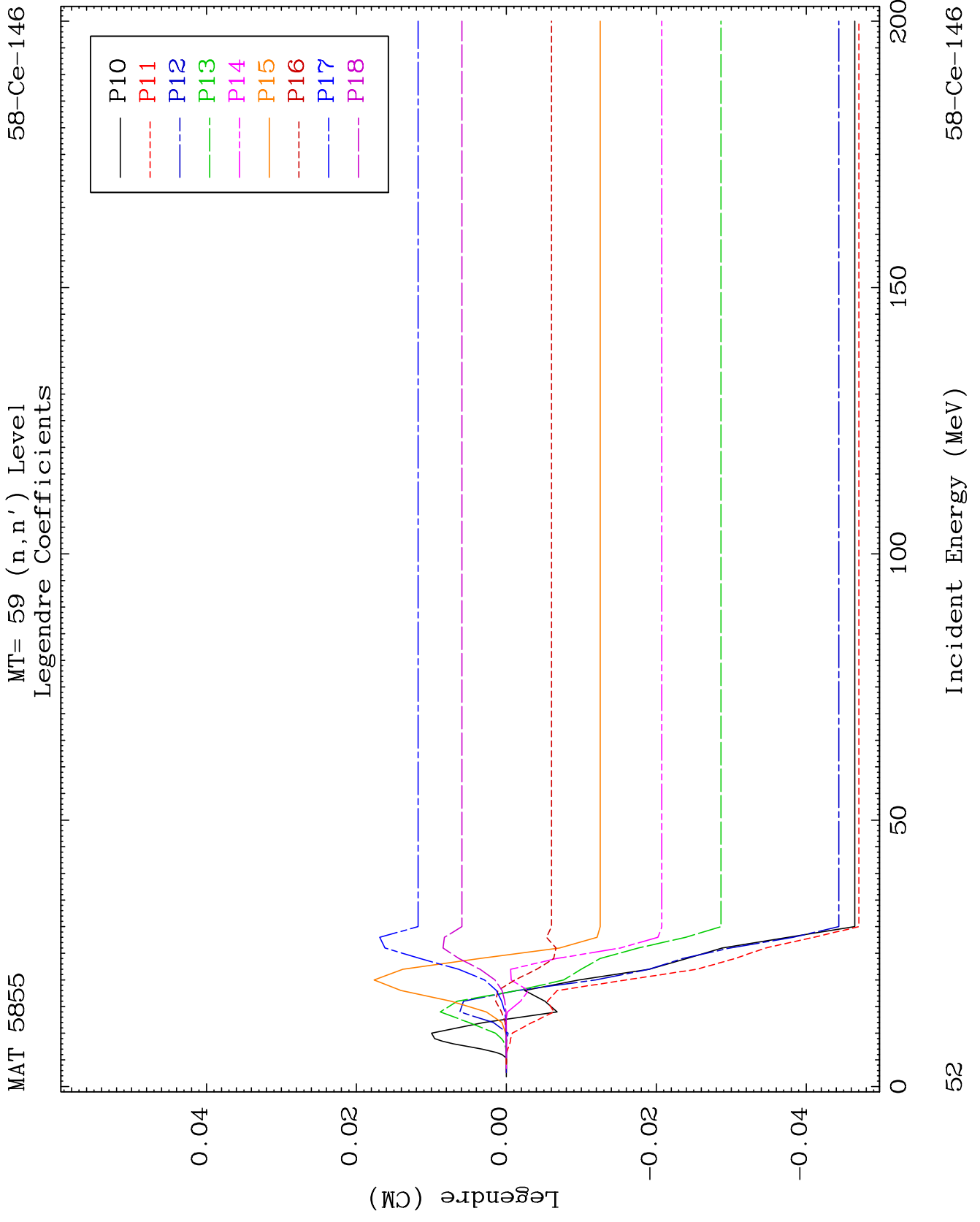
MAT 58555

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

58-Ce-146



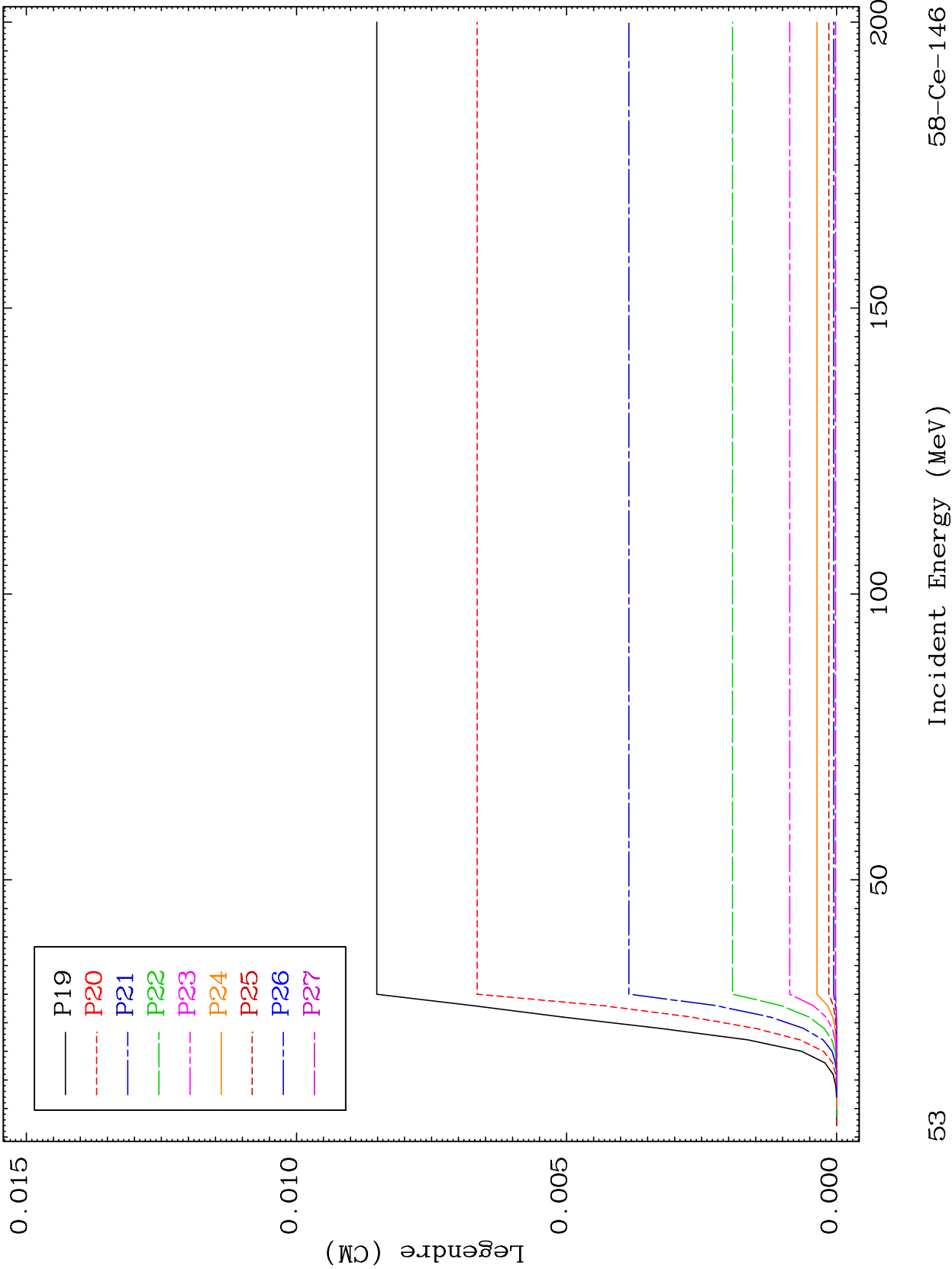




MAT 5855

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

58-Ce-146



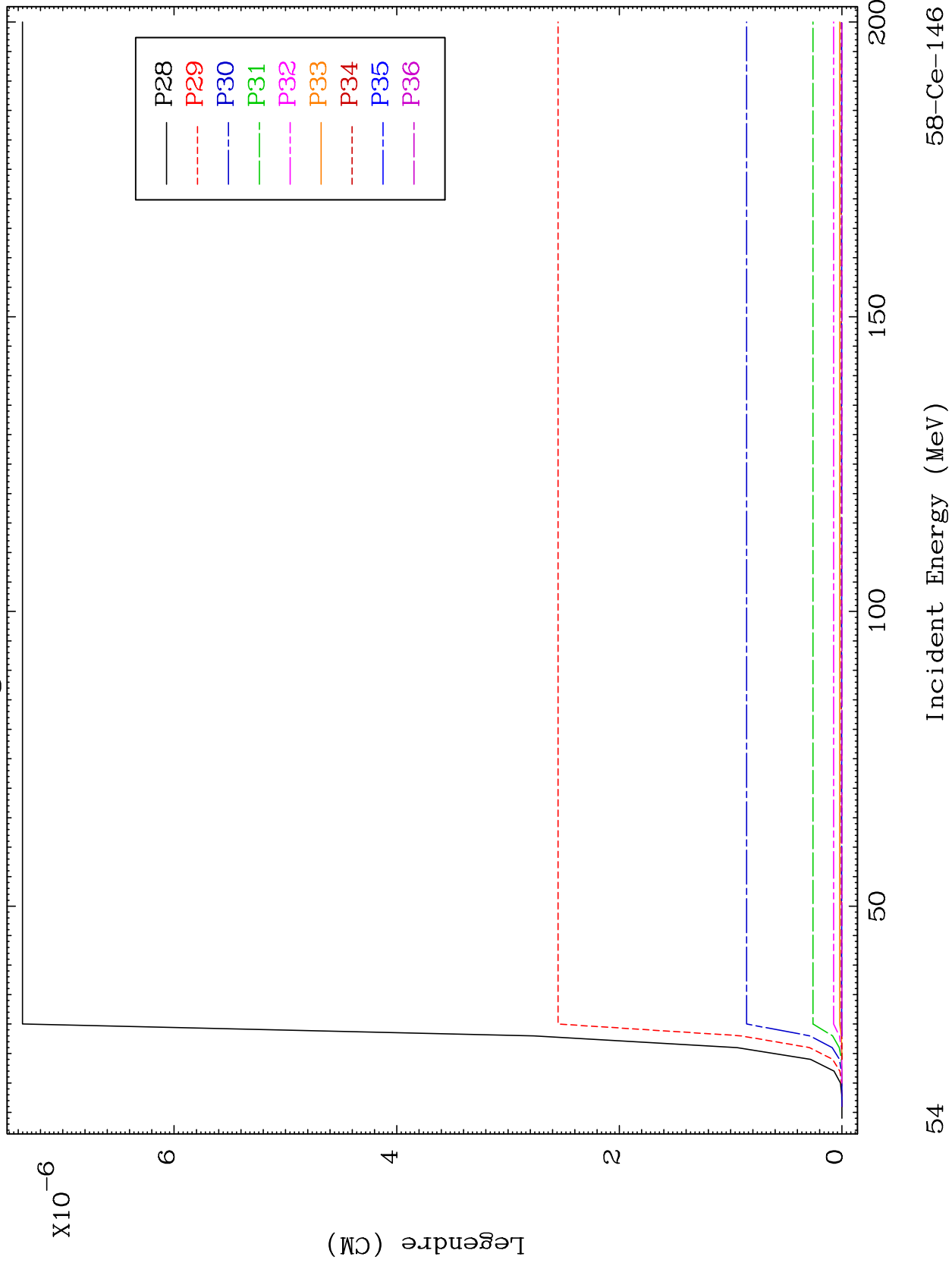
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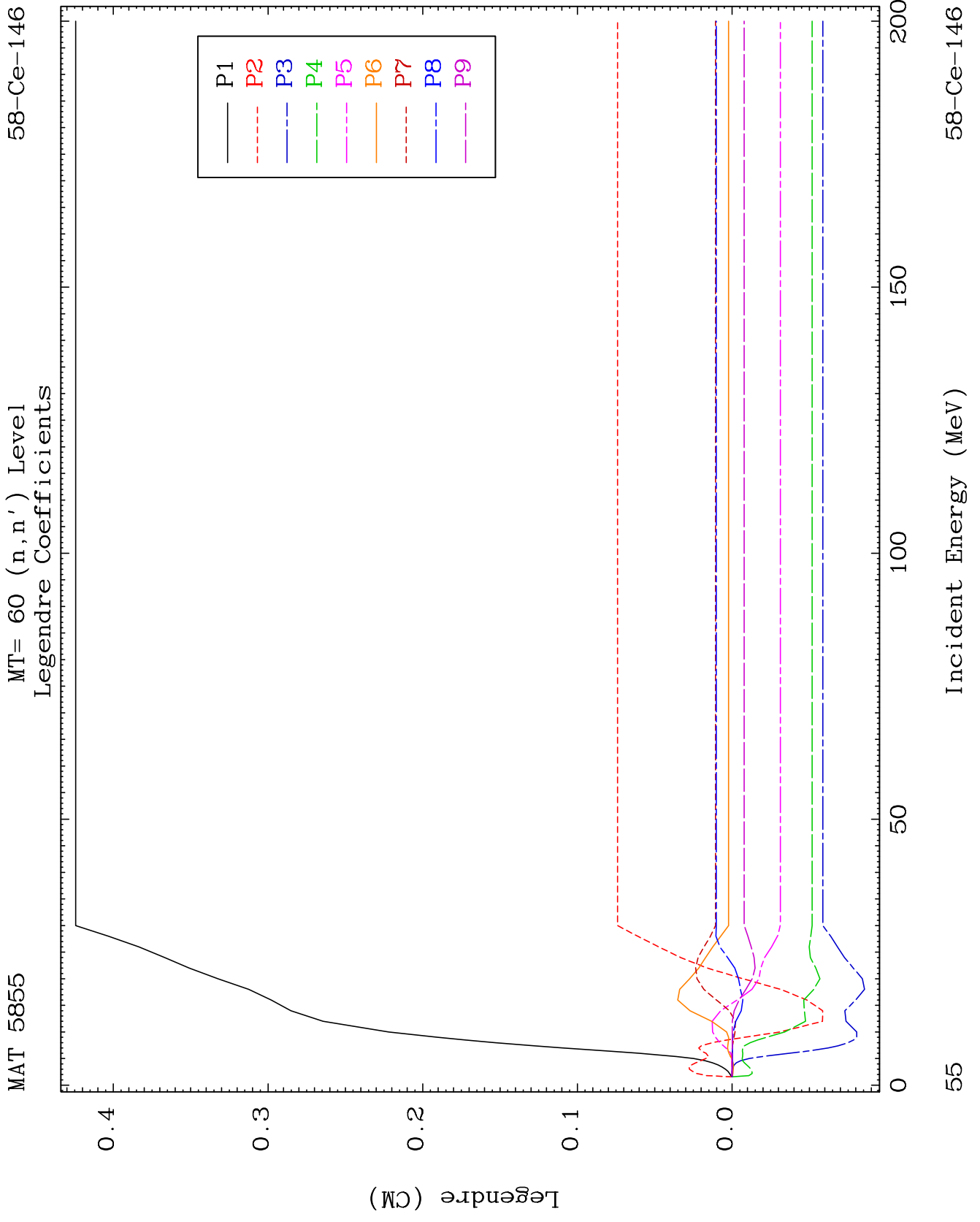
58-Ce-146

MAT 5855

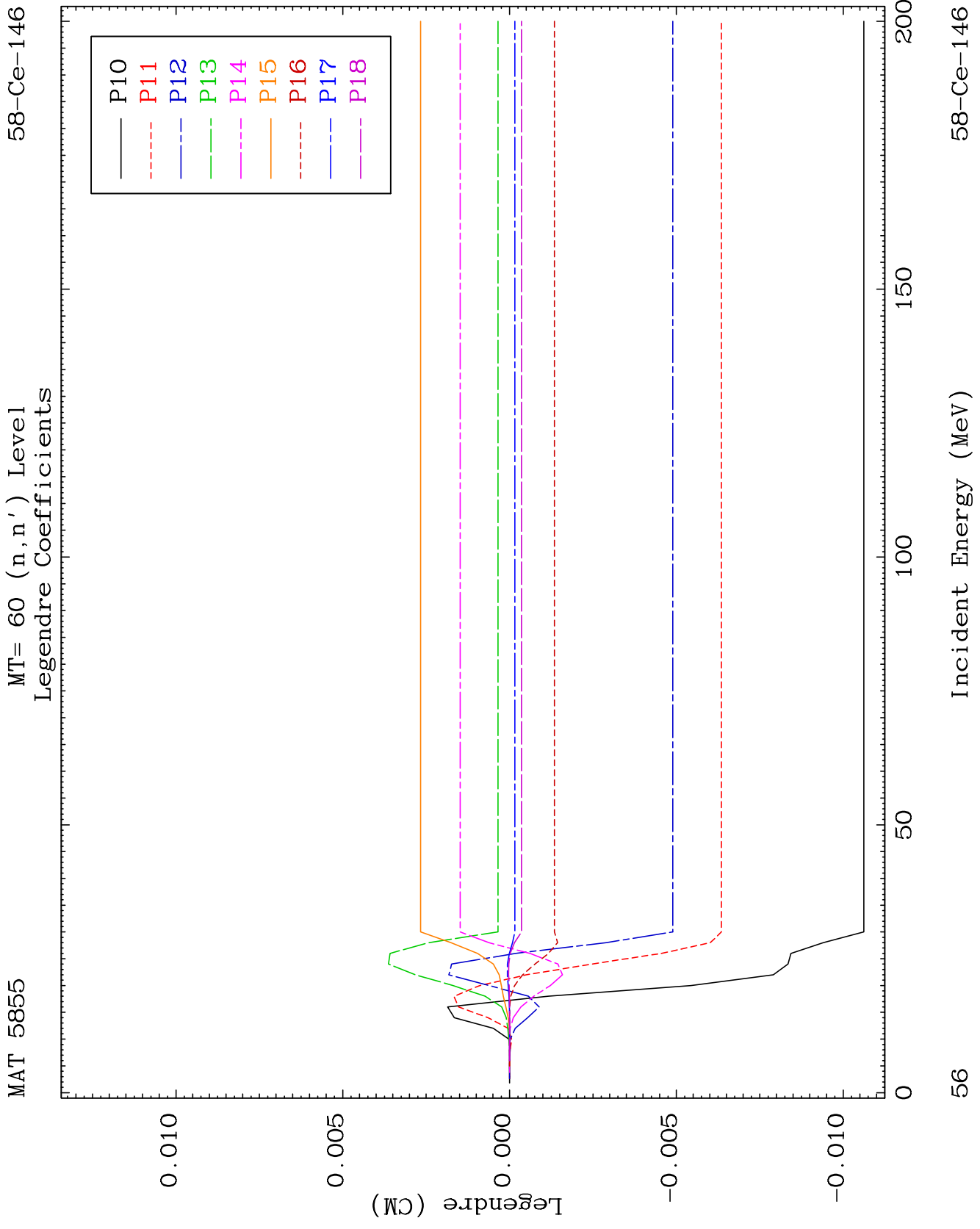
MT= 59 (n,n') Level  
Legendre Coefficients

58-Ce-146





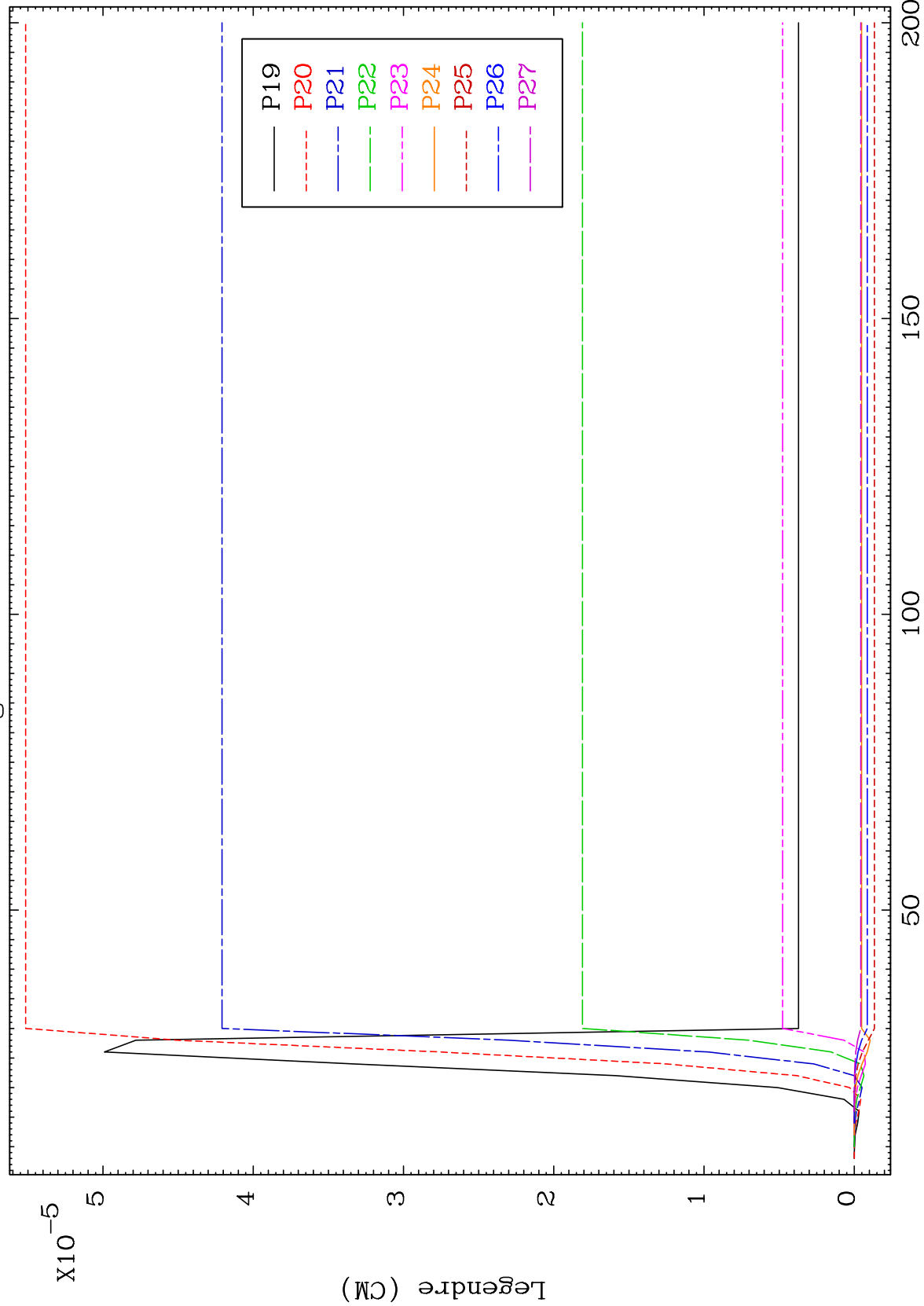




MAT 5855

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

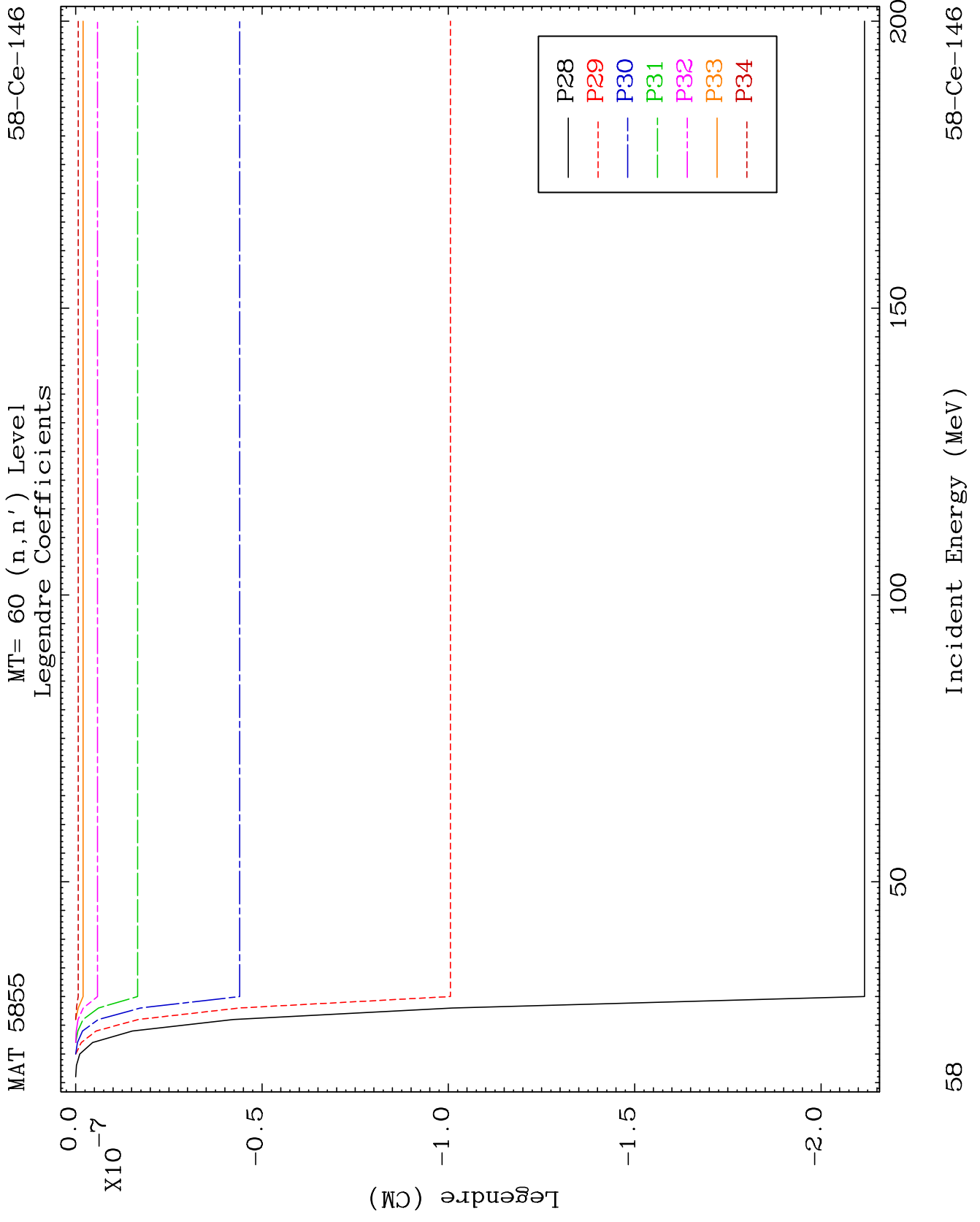
58-Ce-146



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Incident Energy (MeV)

58-Ce-146

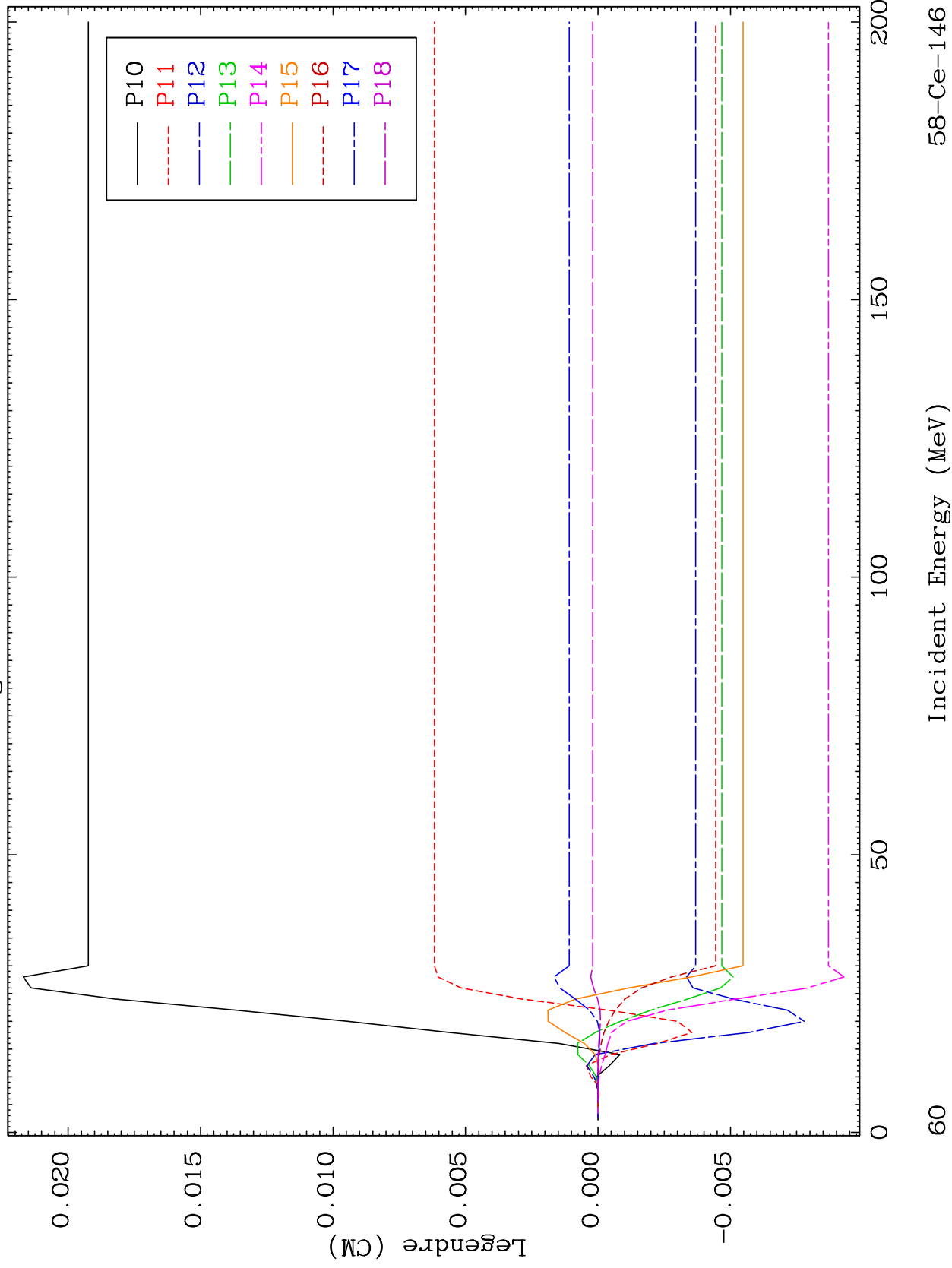




MAT 5855

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

58-Ce-146

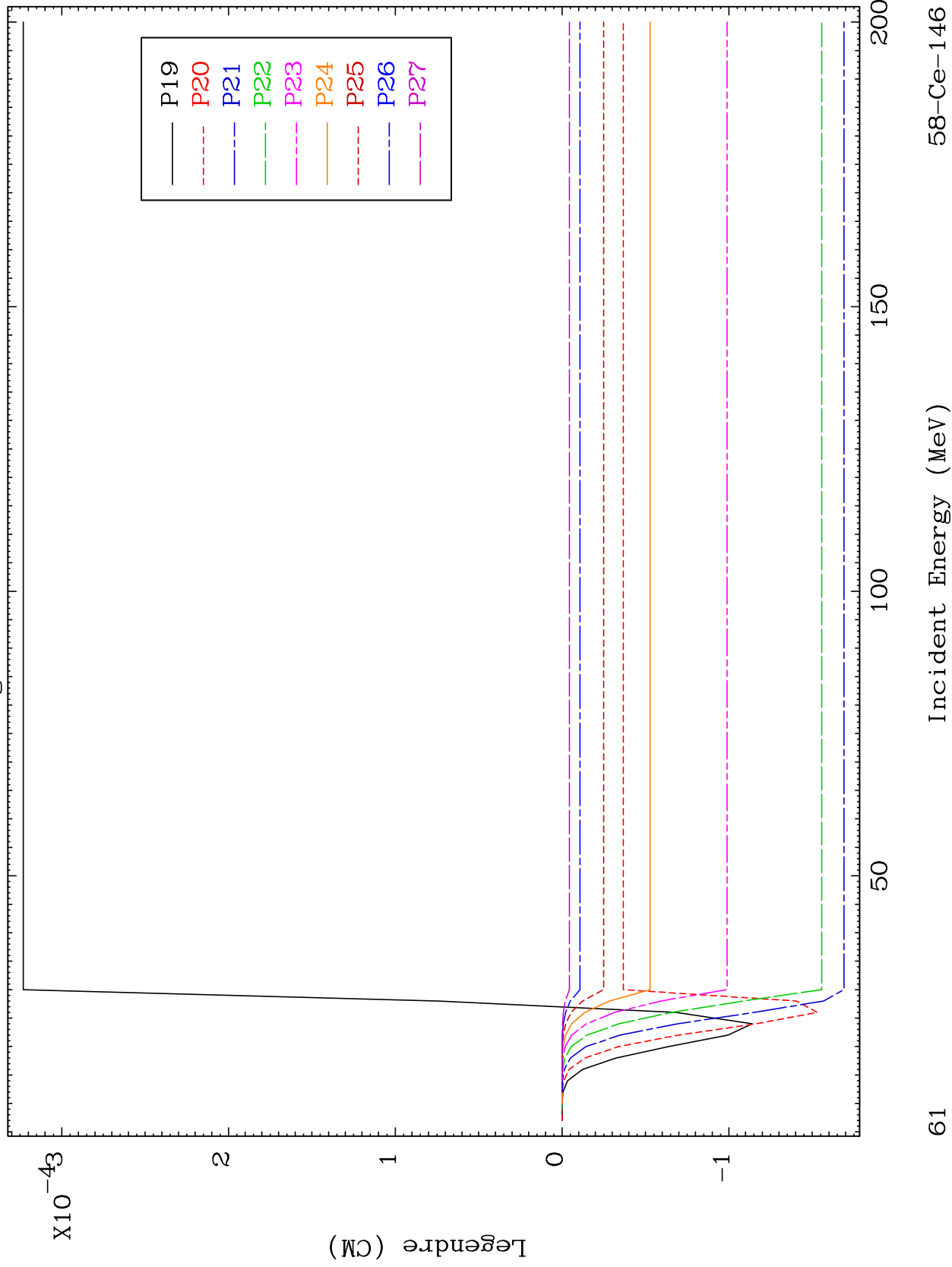


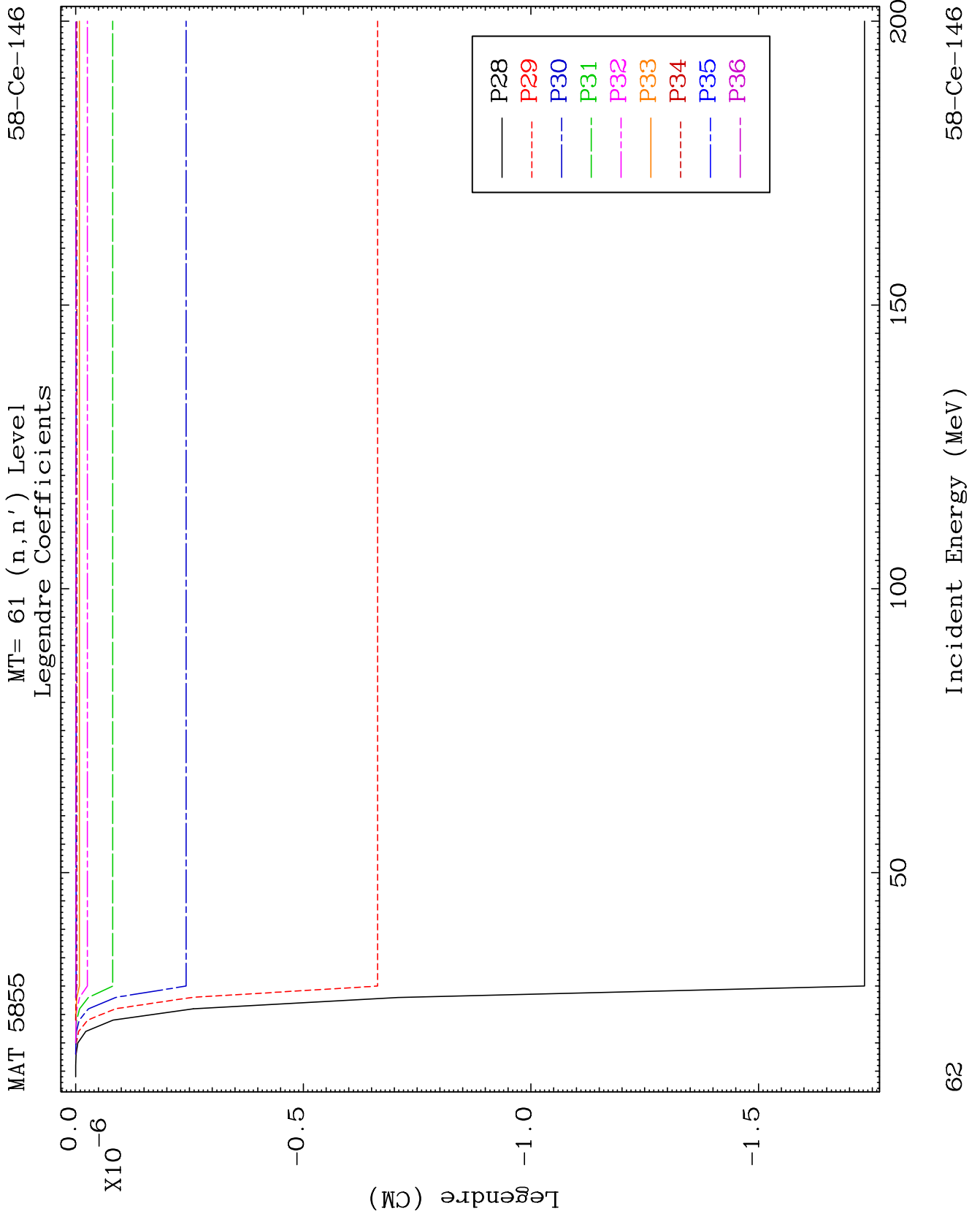
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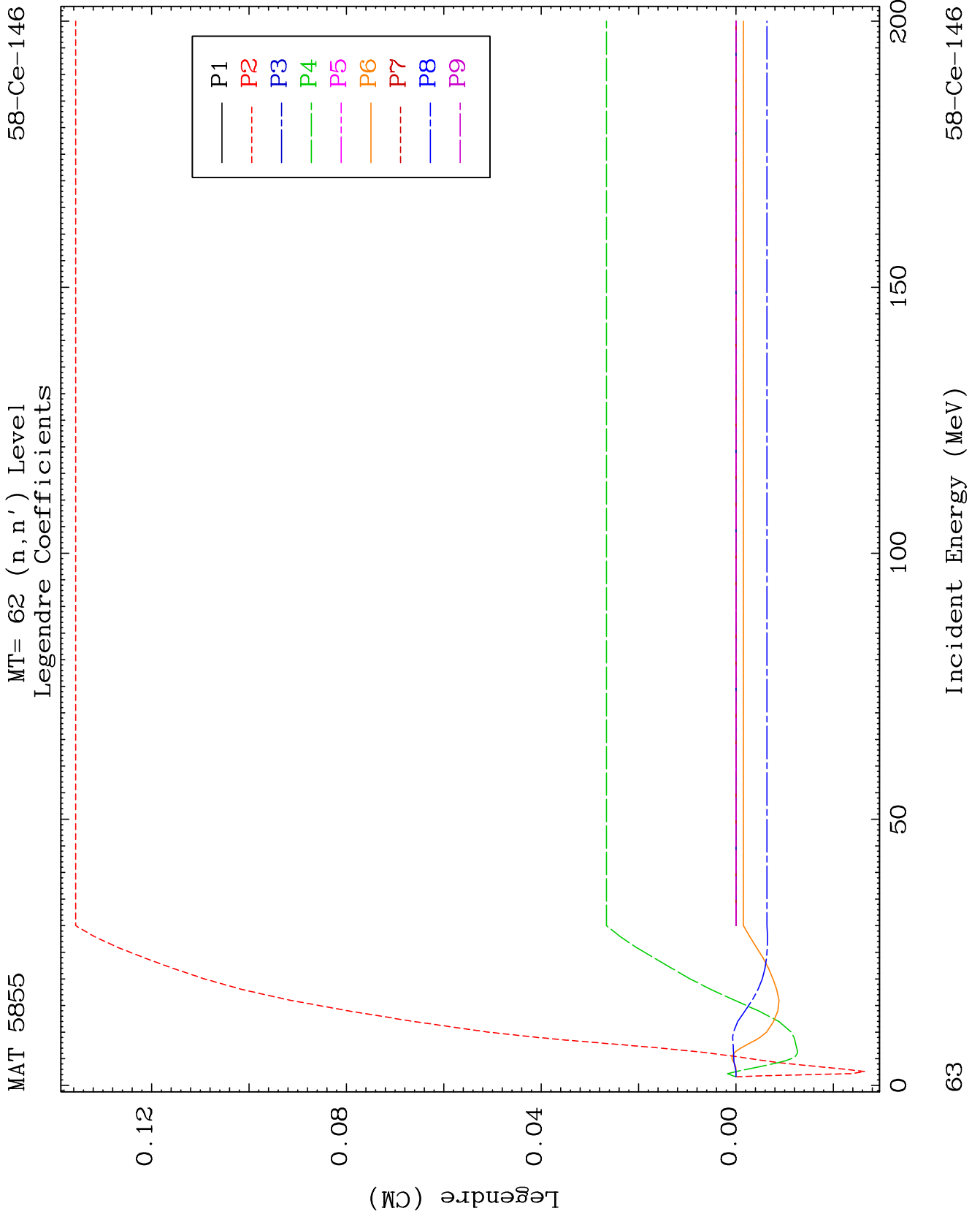
MAT 5855

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

58-Ce-146





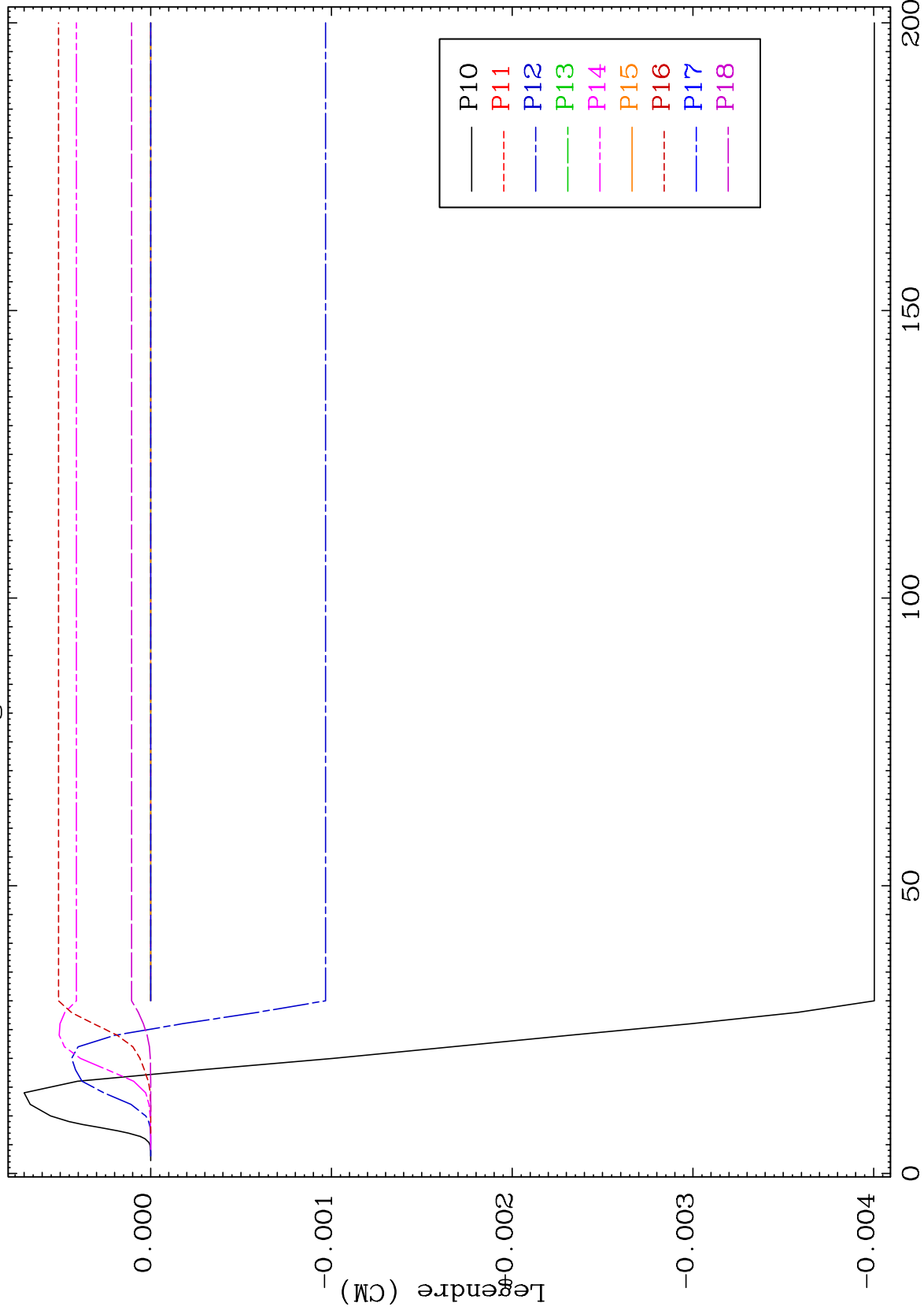




MAT 5855

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

58-Ce-146



64

Incident Energy (MeV)

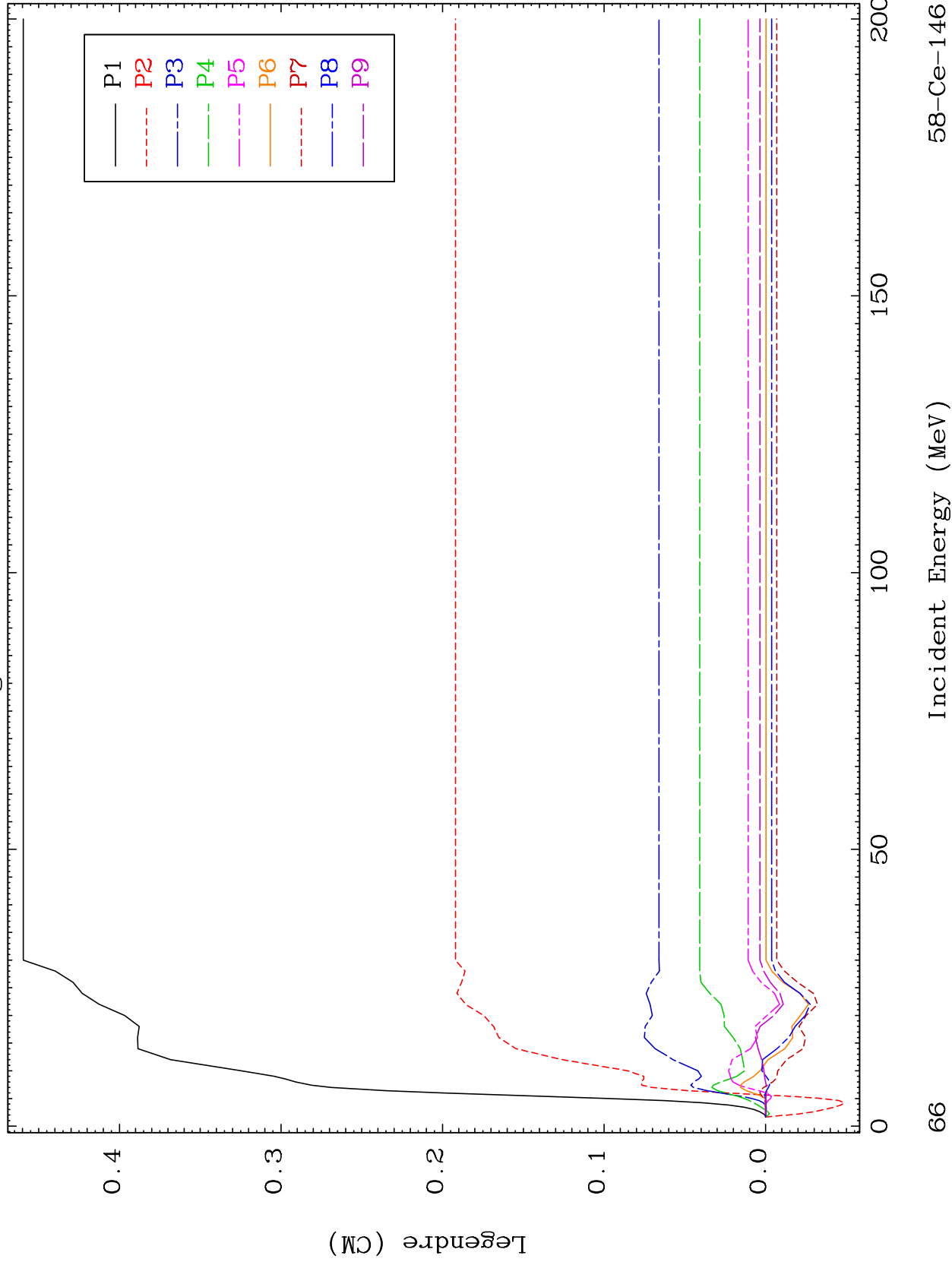
58-Ce-146



MAT 5855

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

58-Ce-146



58-Ce-146

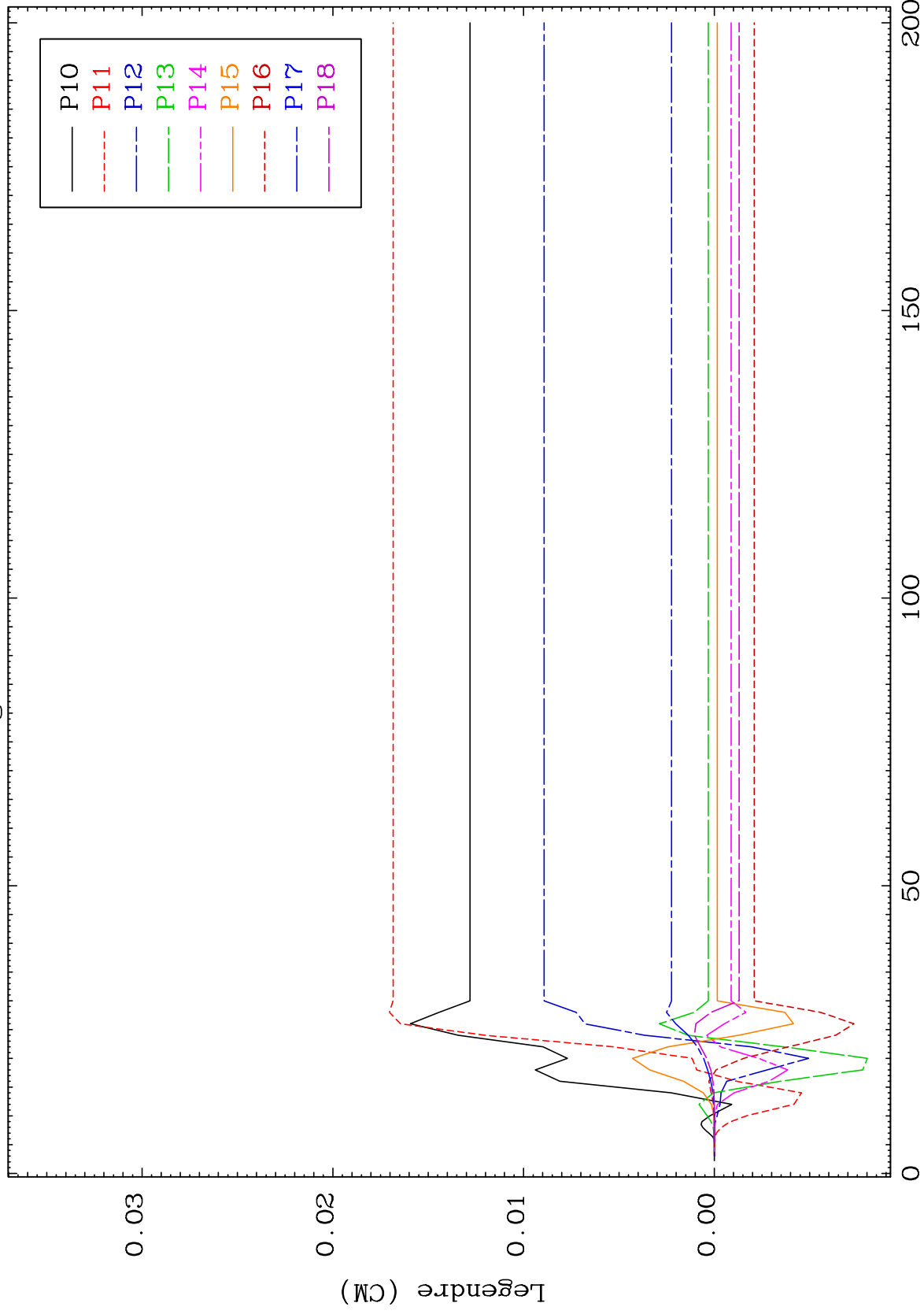
Incident Energy (MeV)

66

MAT 5855

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

58-Ce-146



67

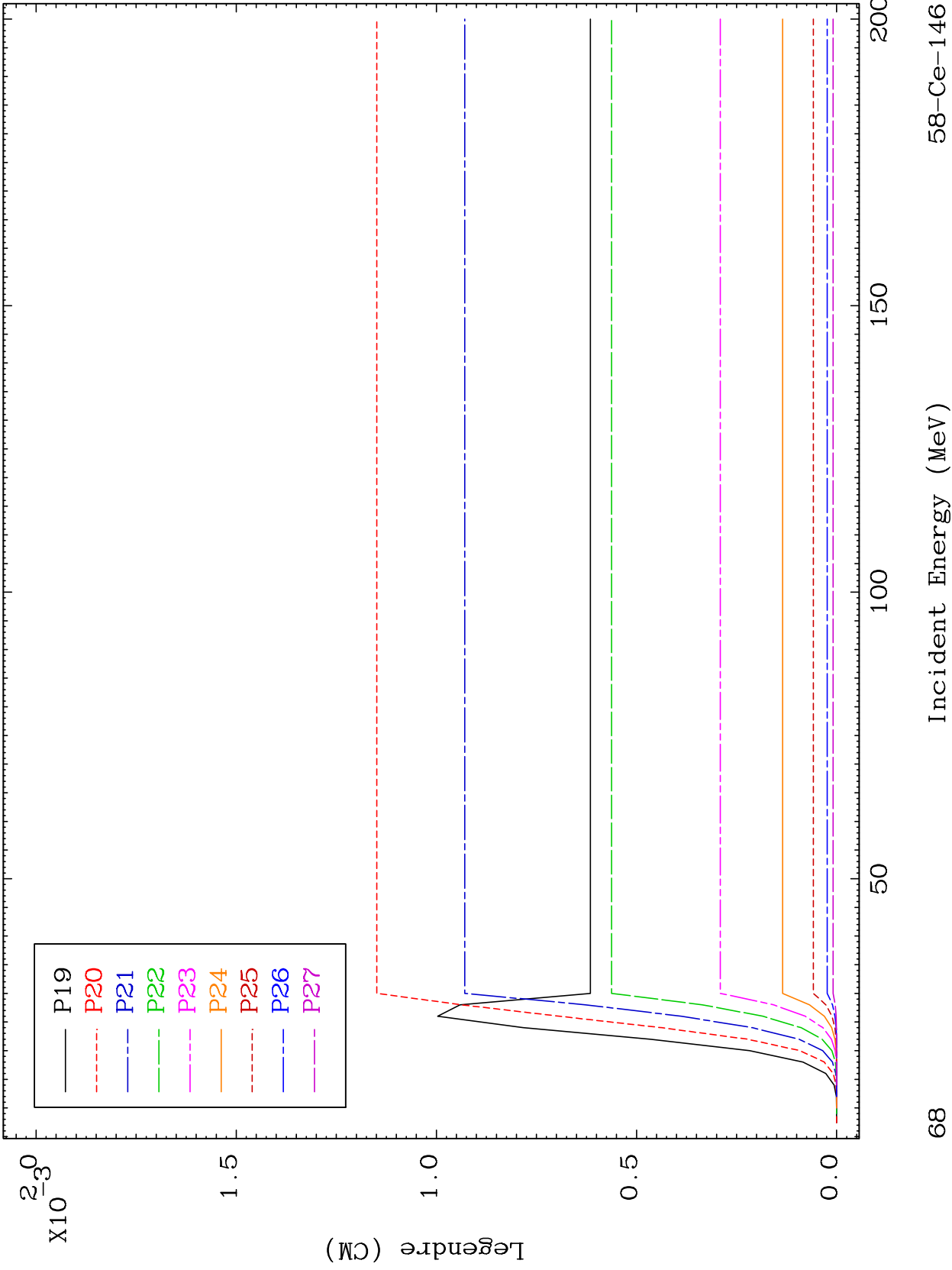
Incident Energy (MeV)

58-Ce-146

MAT 5855

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

58-Ce-146



68

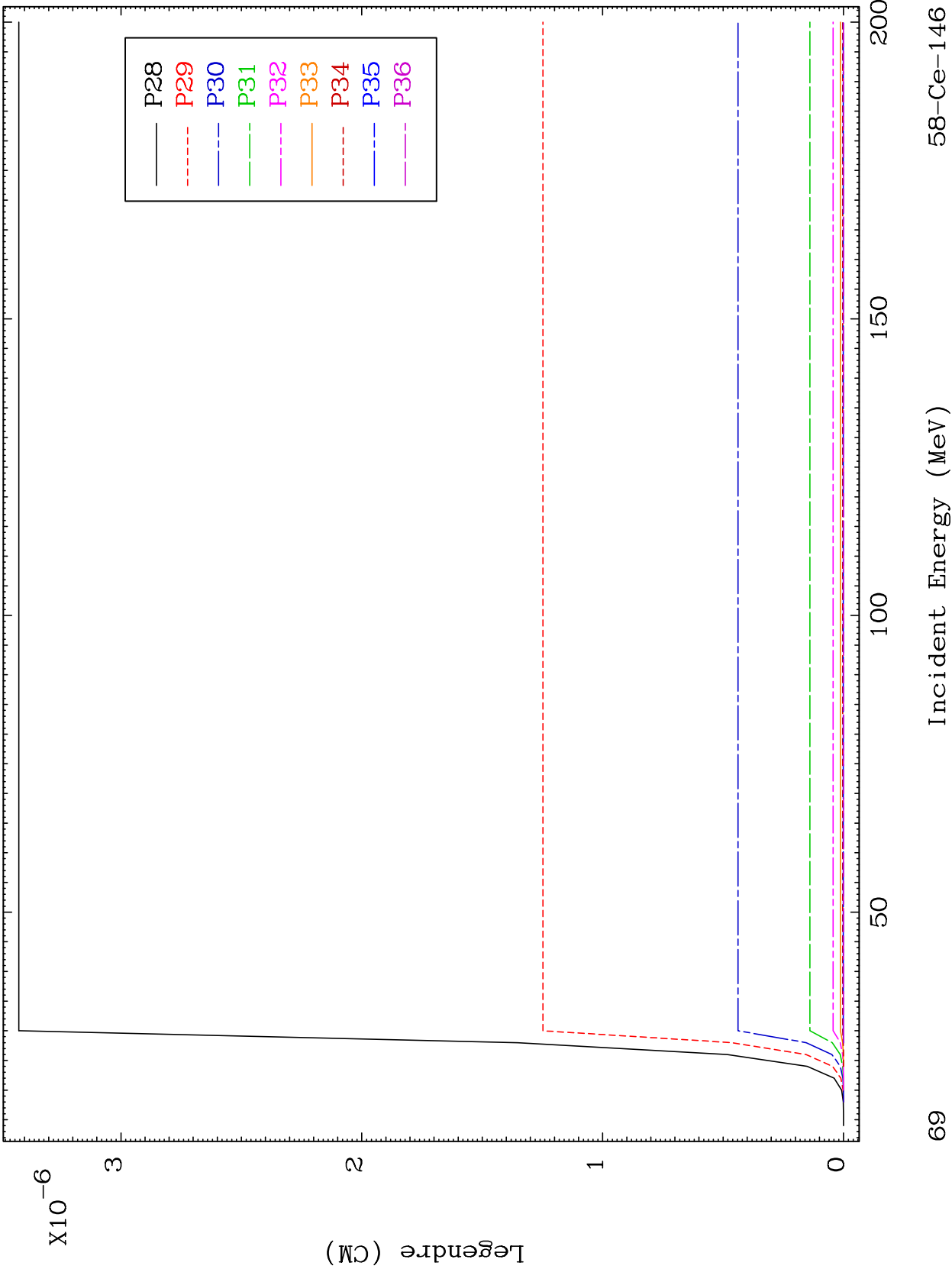
Incident Energy (MeV)

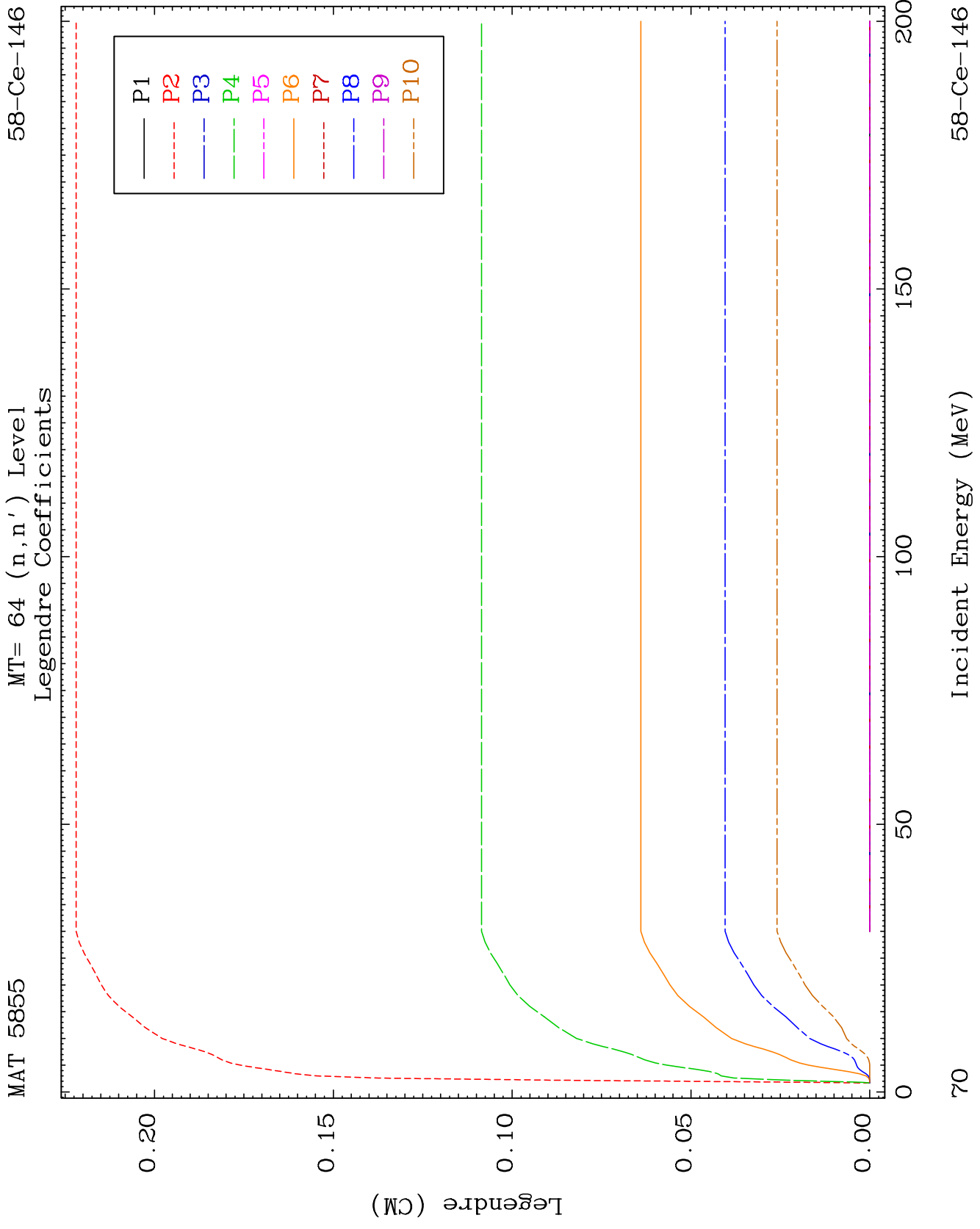
58-Ce-146

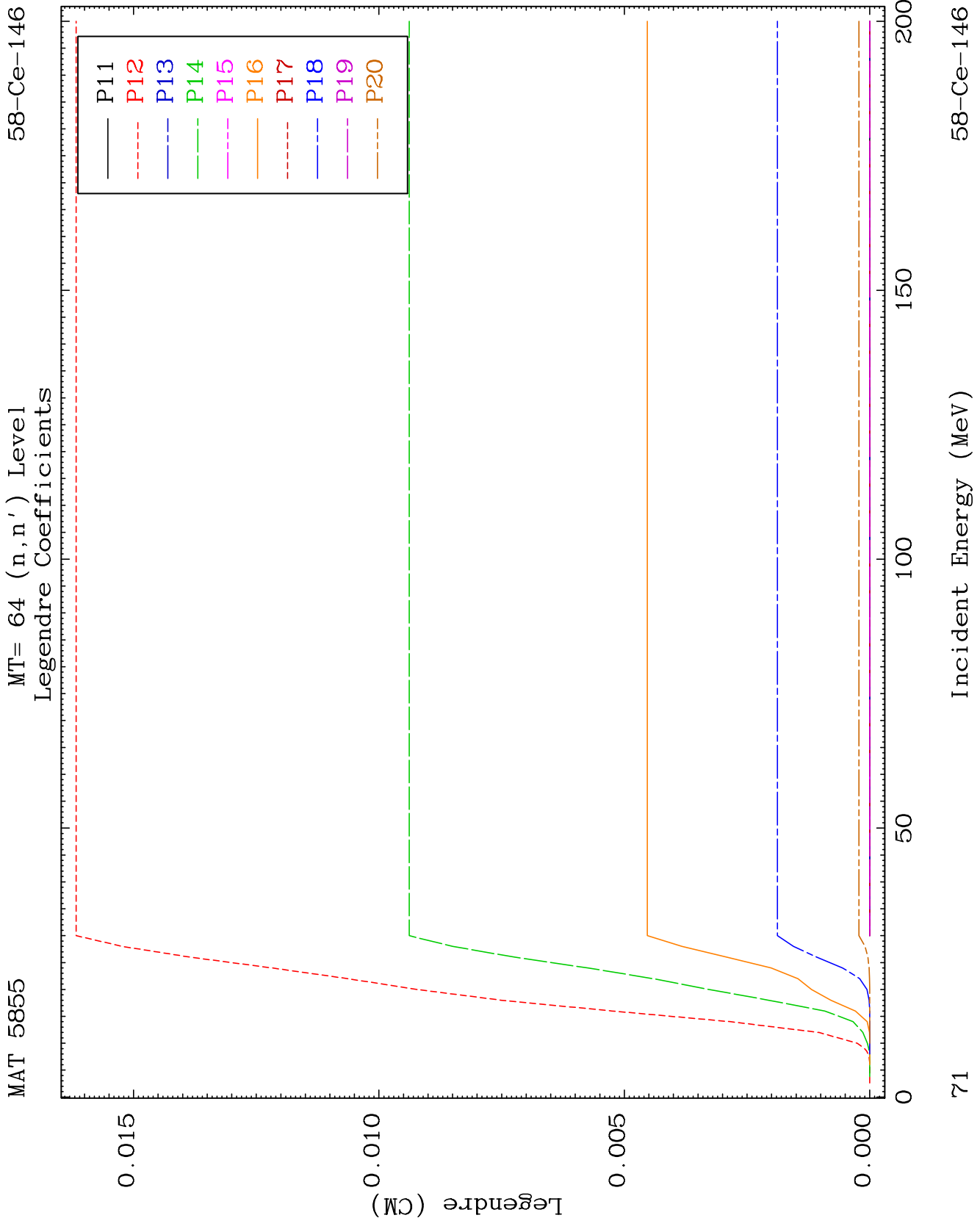
MAT 5855

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

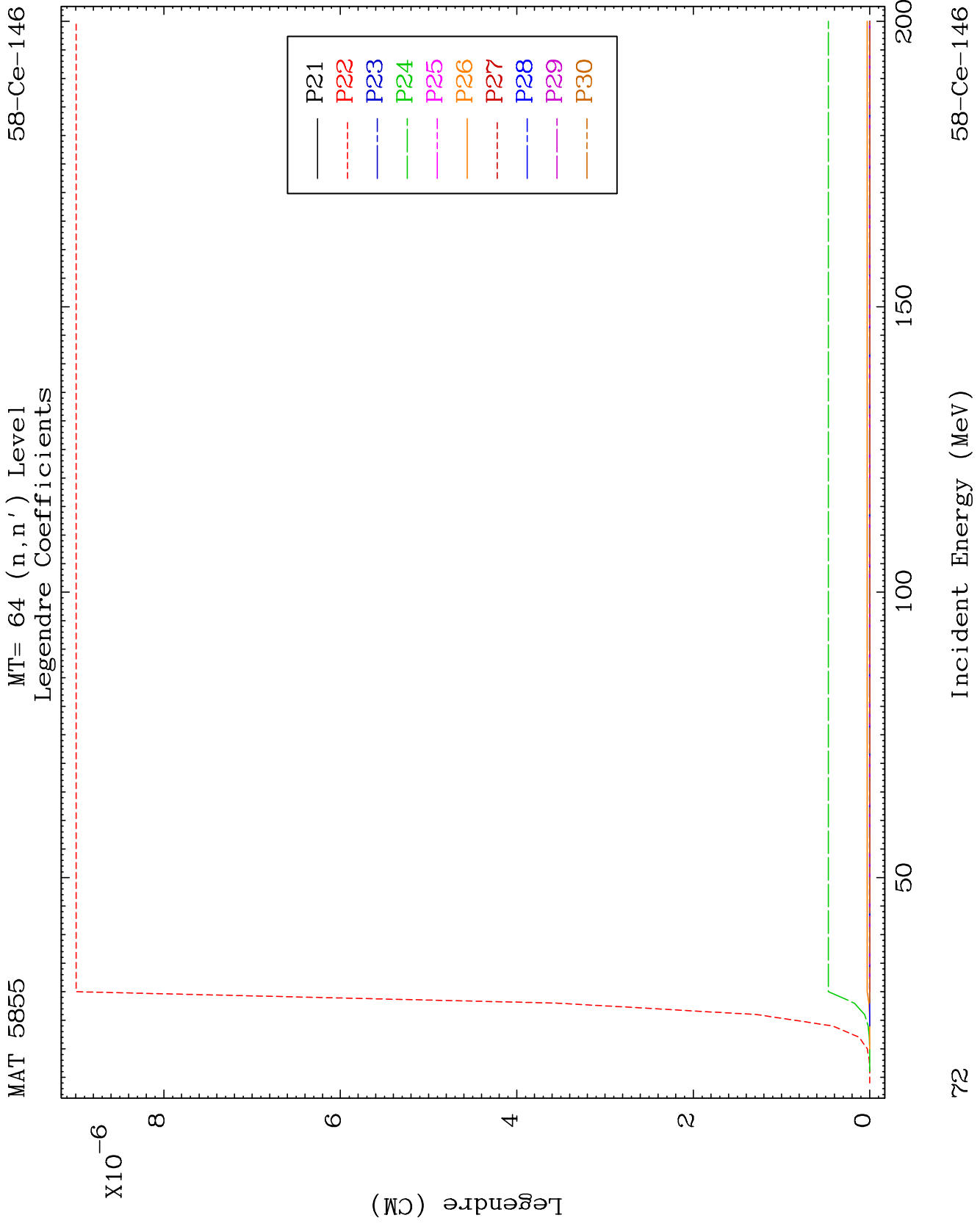
58-Ce-146







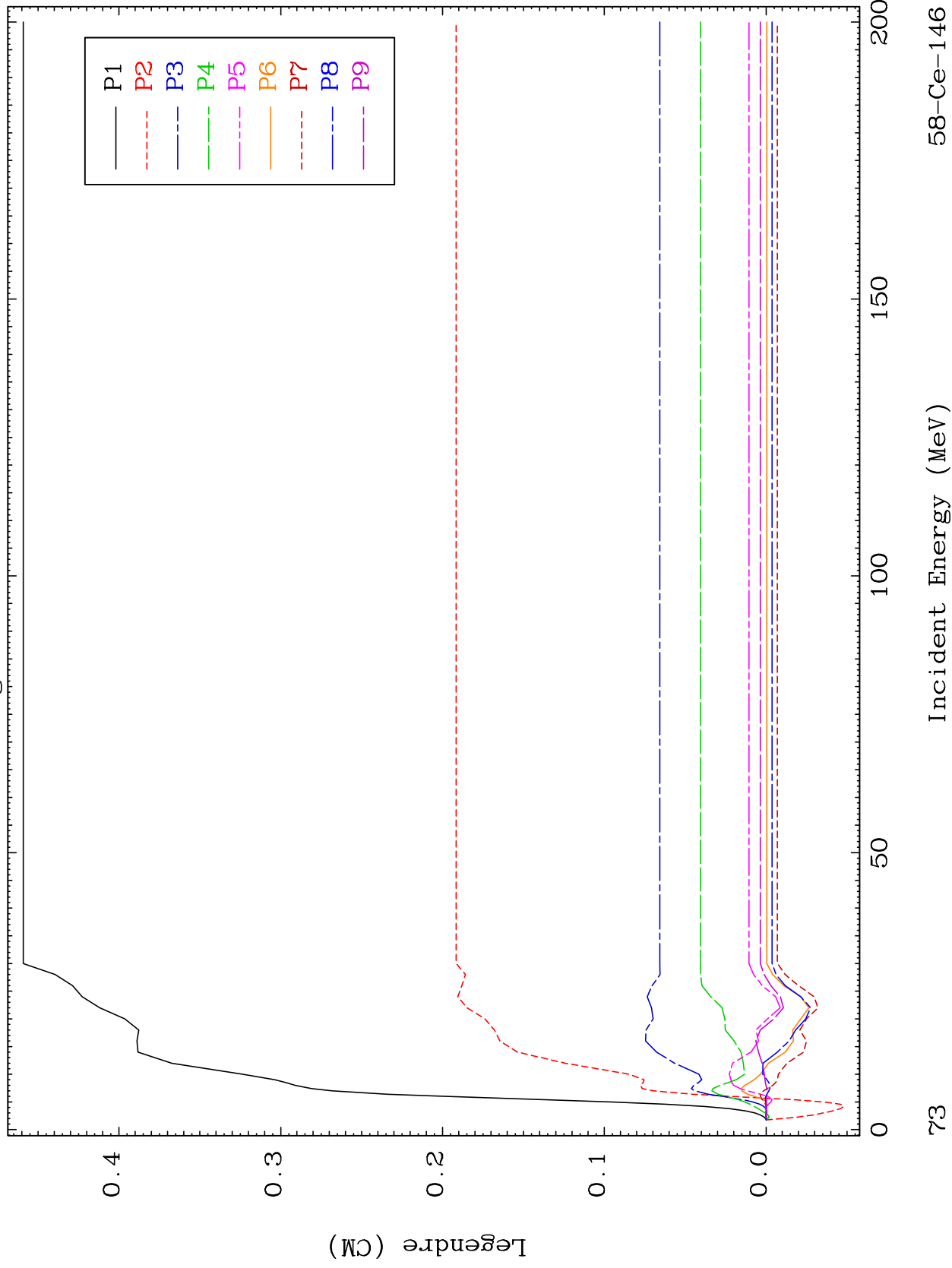




MAT 5855

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

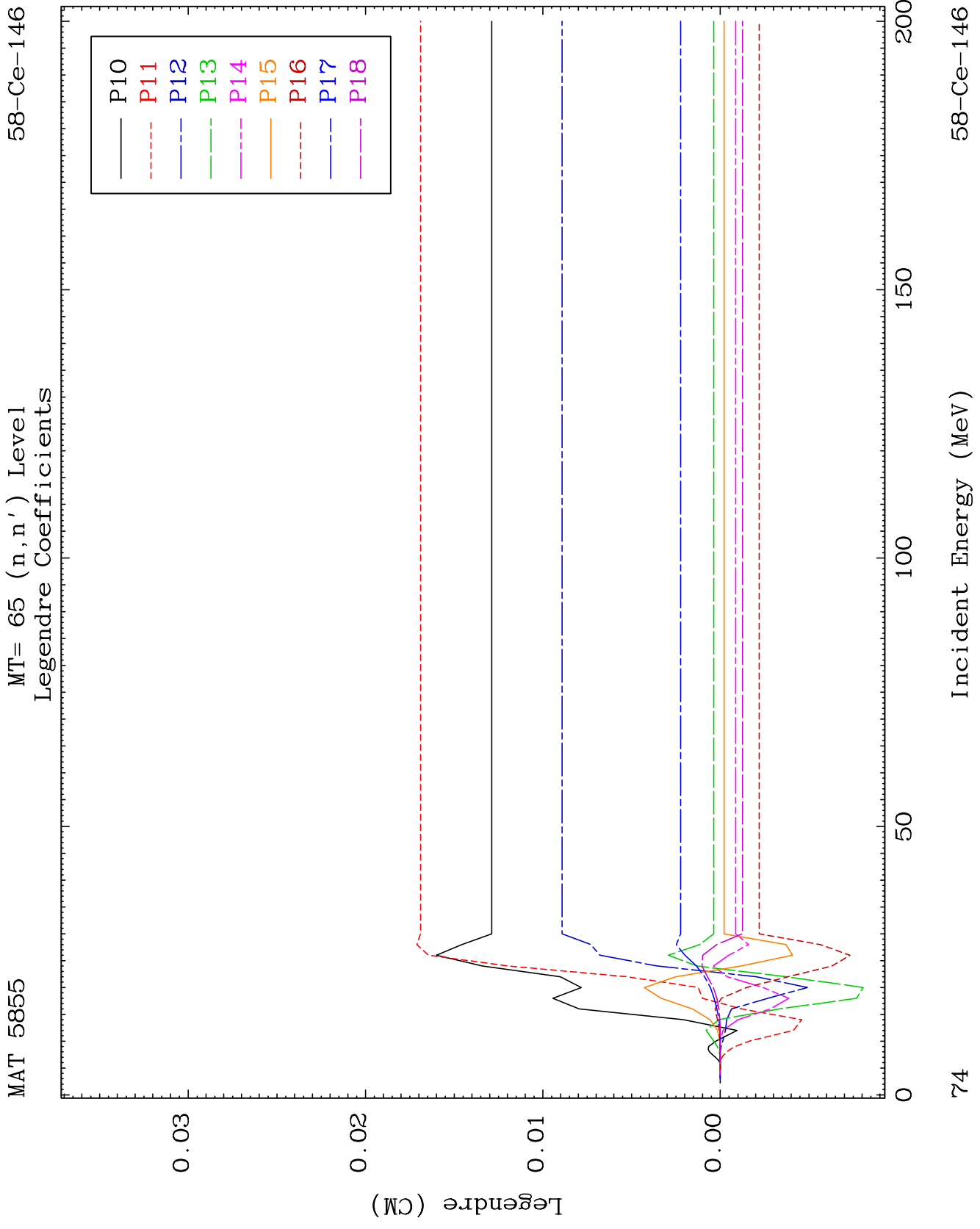
58-Ce-146



58-Ce-146

Incident Energy (MeV)

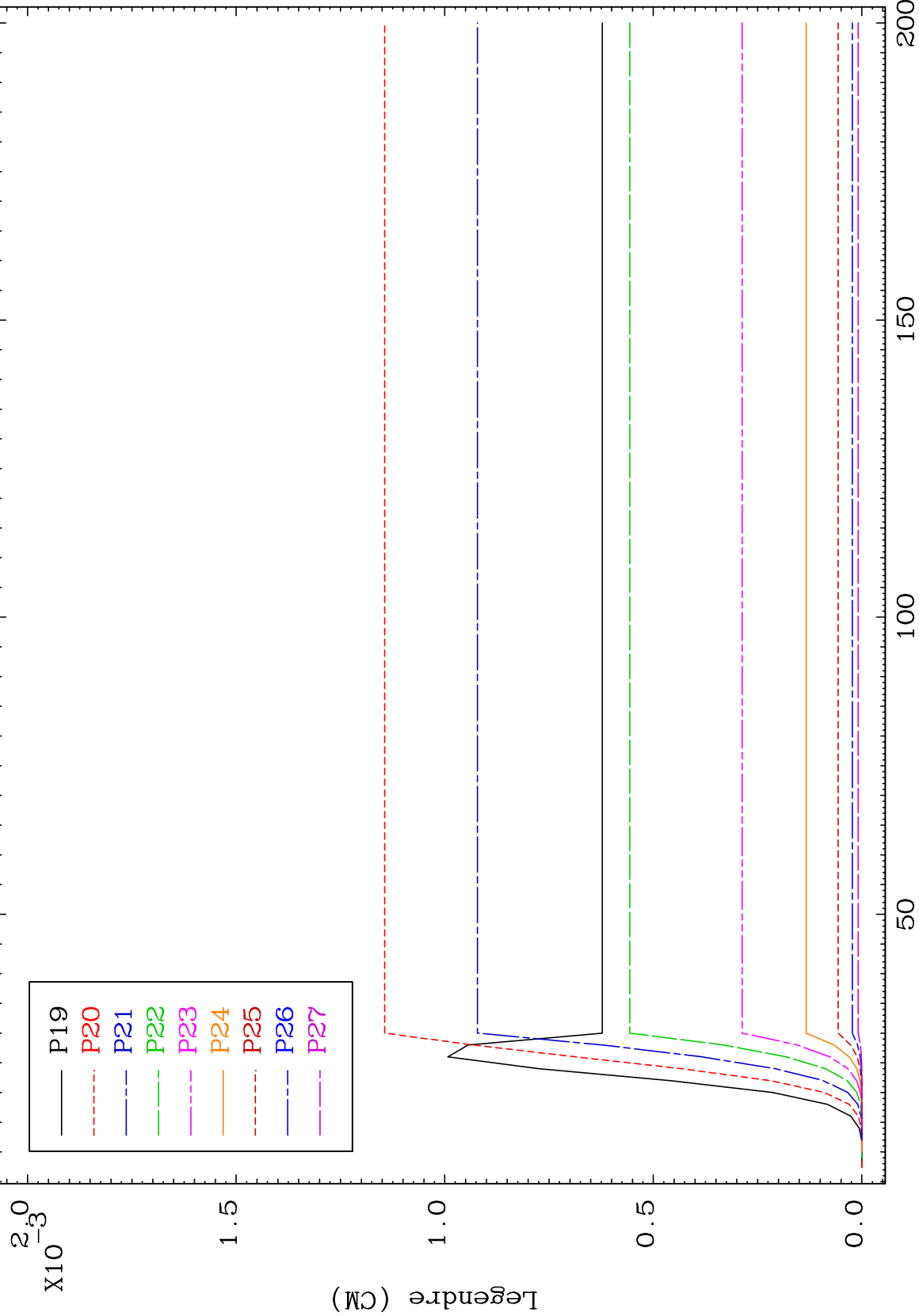
73



MAT 5855

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

58-Ce-146



75

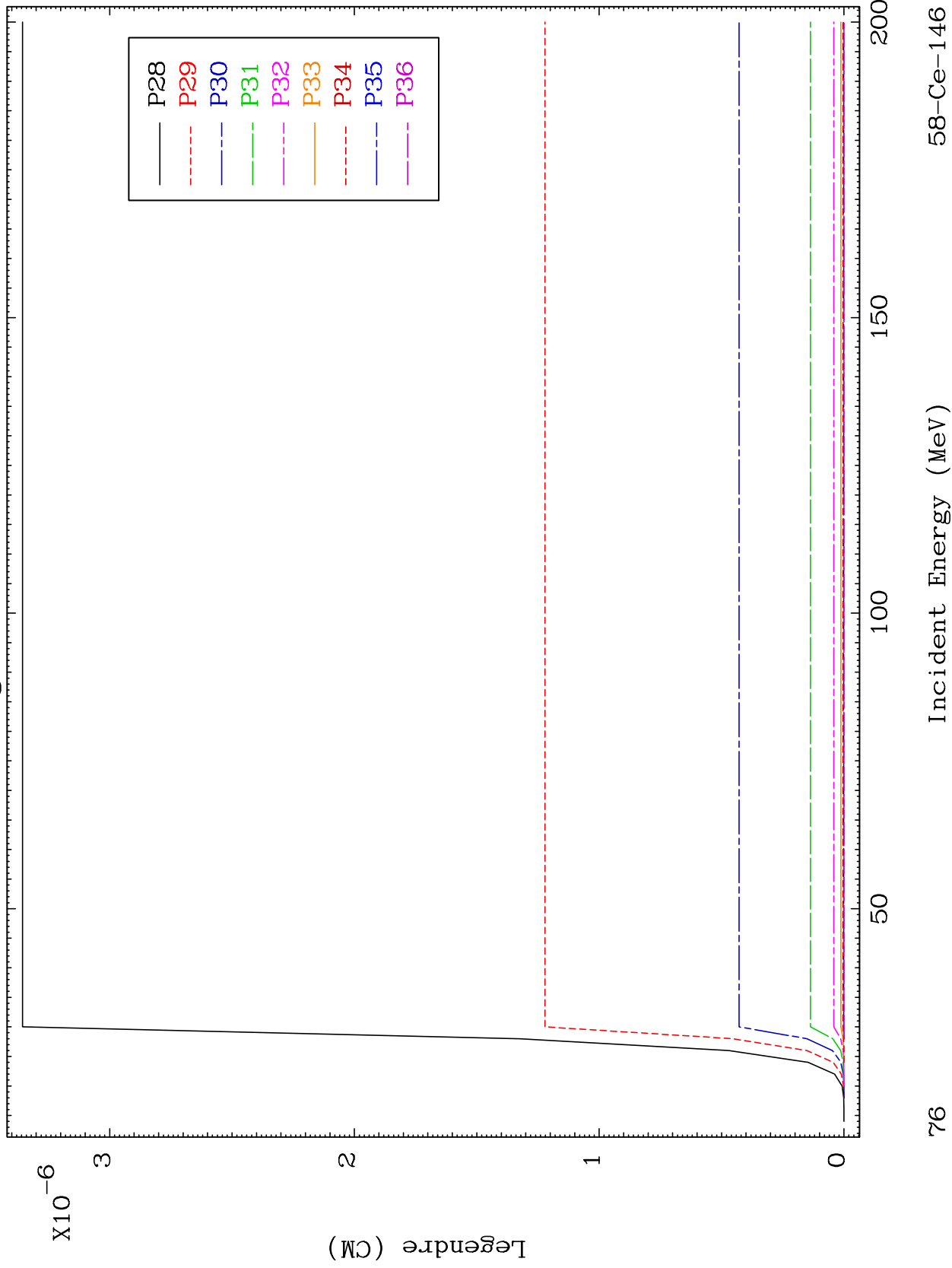
Incident Energy (MeV)

58-Ce-146

MAT 5855

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

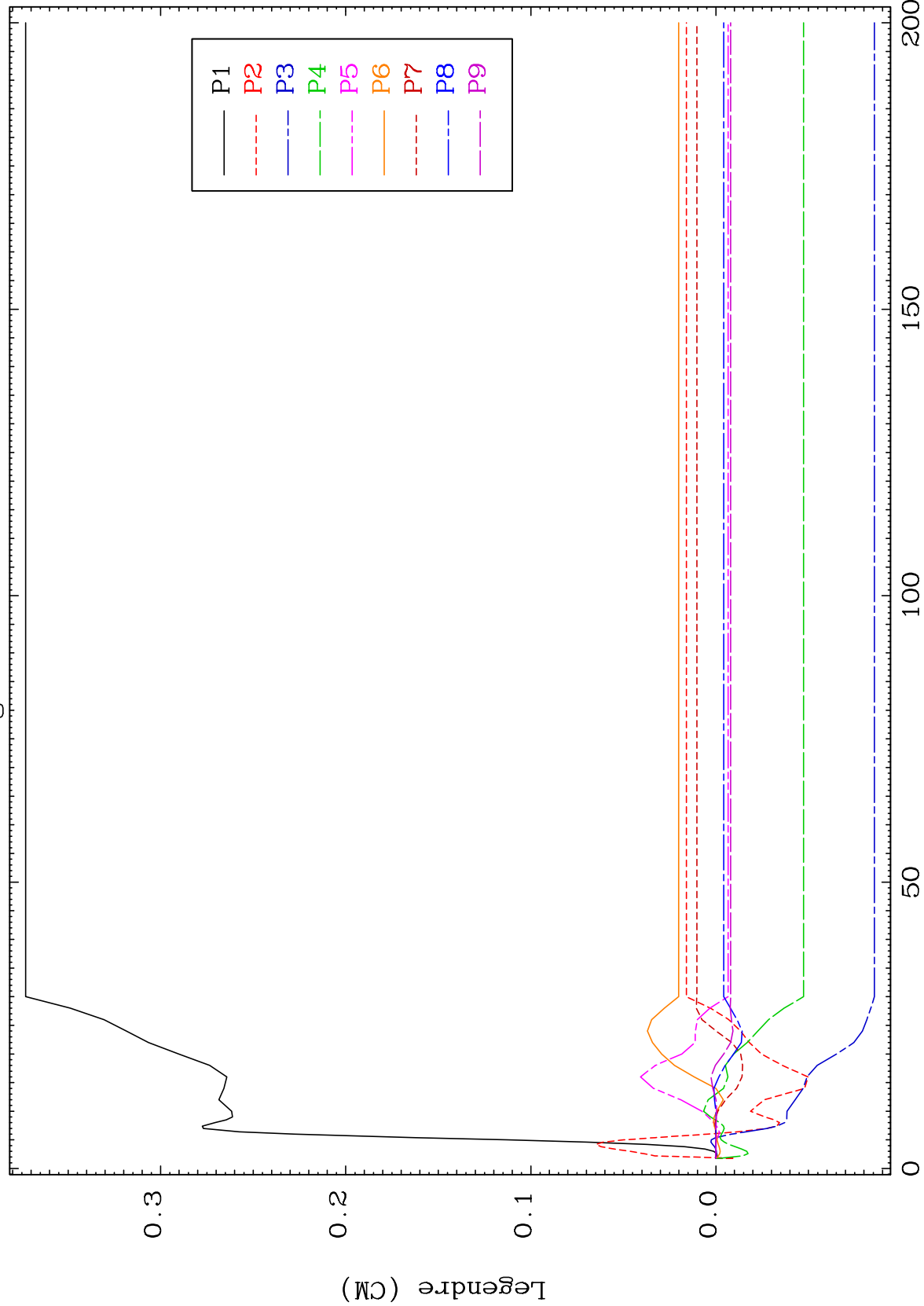
58-Ce-146



MAT 5855

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

58-Ce-146



77

Incident Energy (MeV)

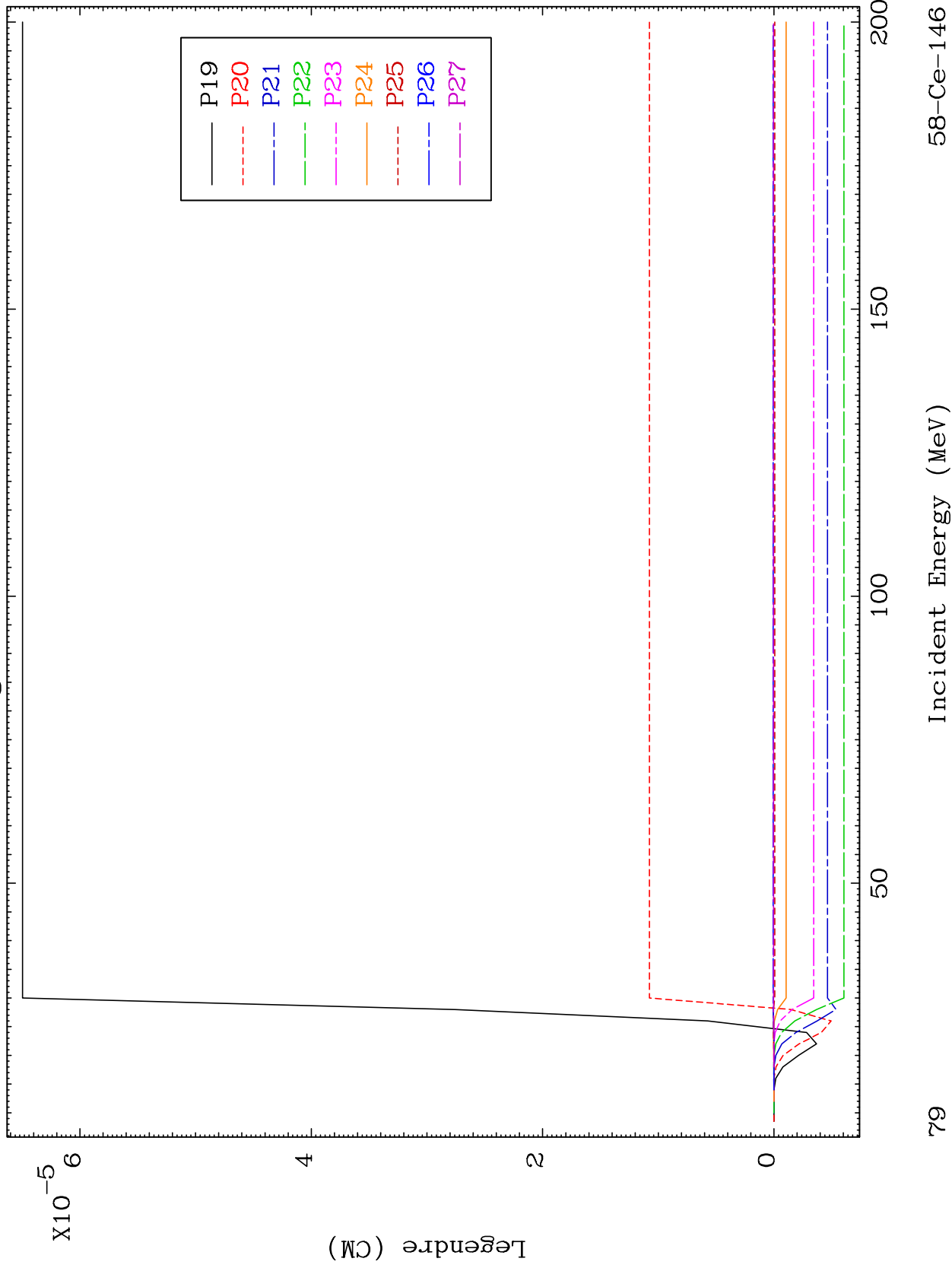
58-Ce-146



MAT 5855

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

58-Ce-146

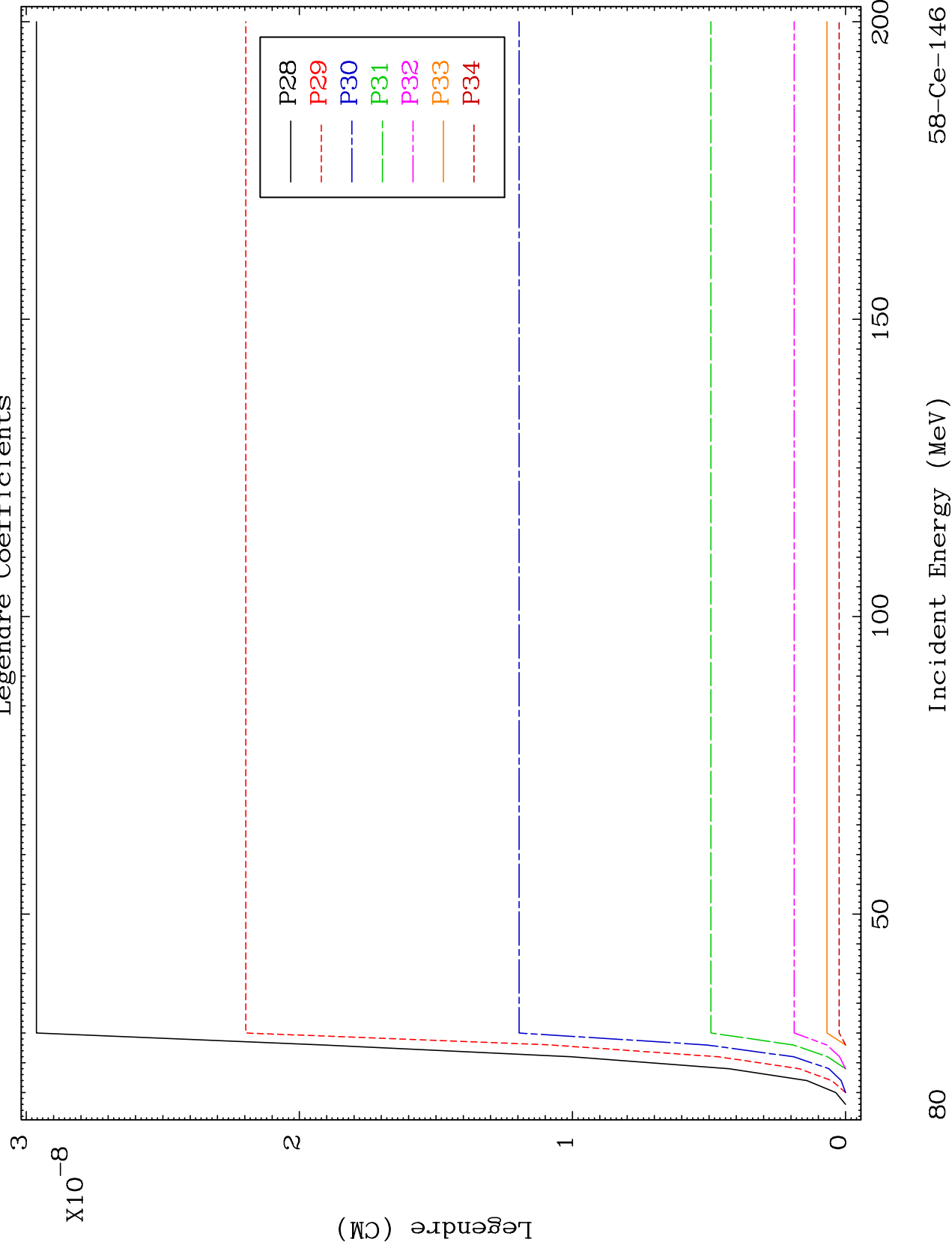


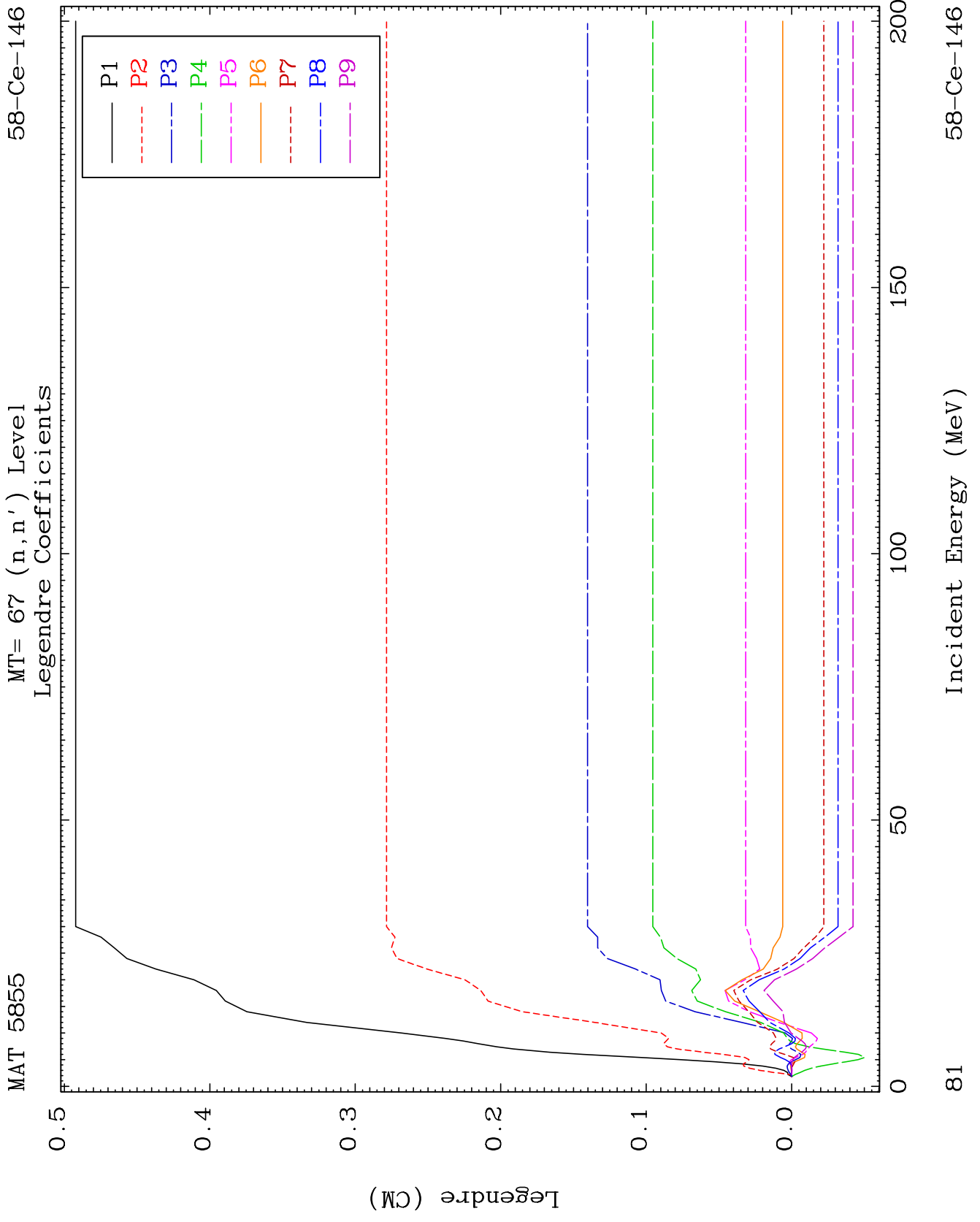


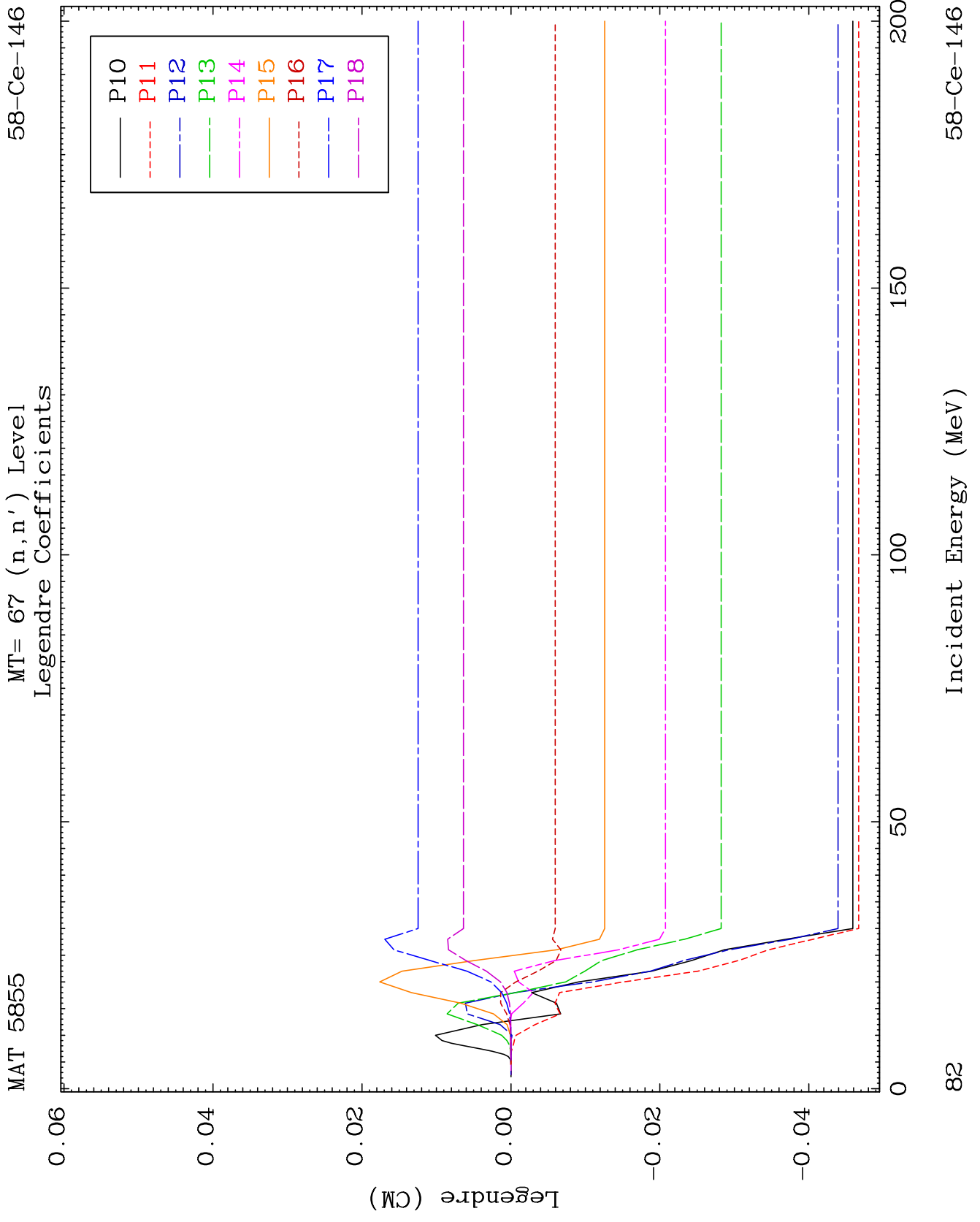
MAT 5855

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

58-Ce-146





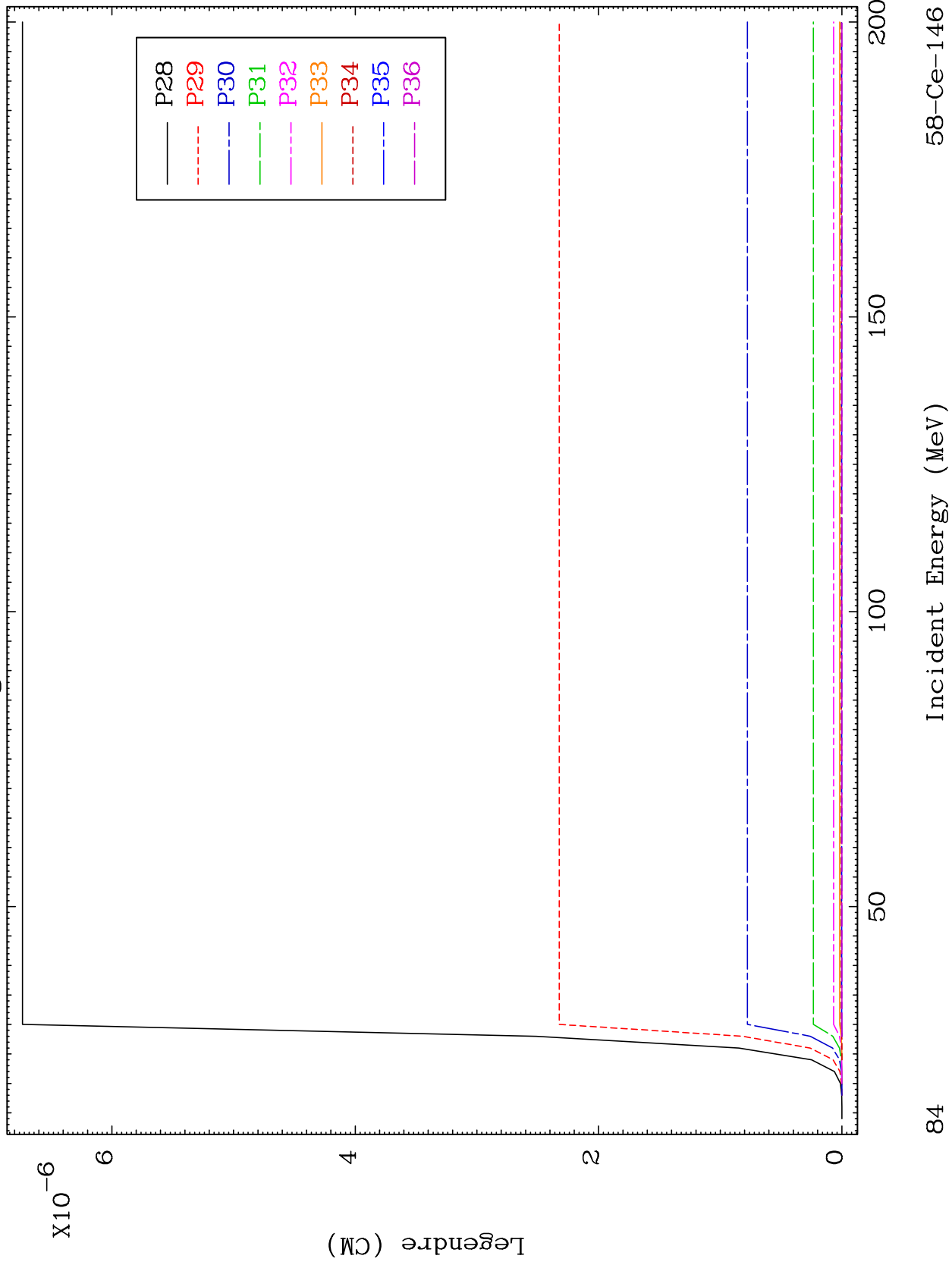




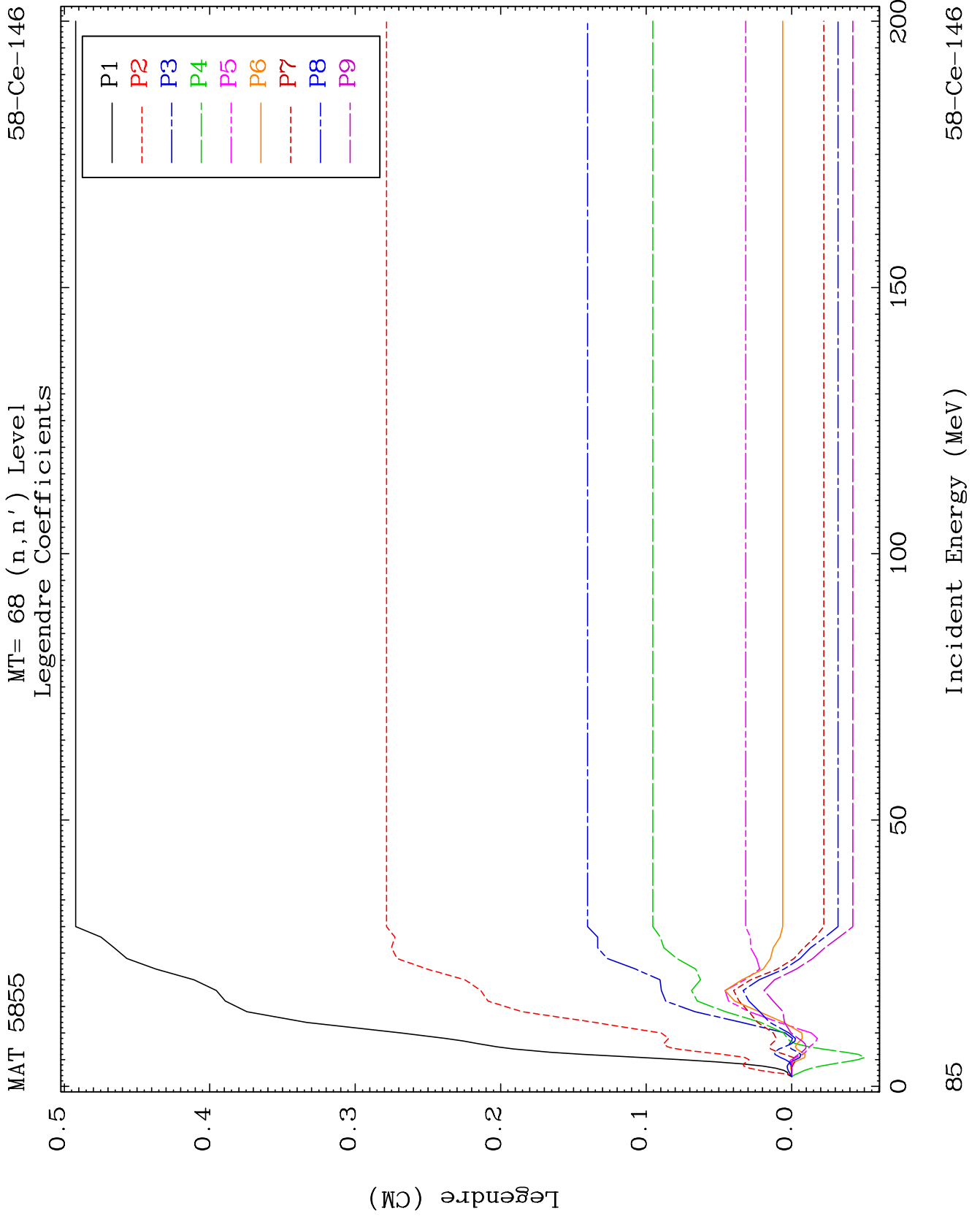
MAT 5855

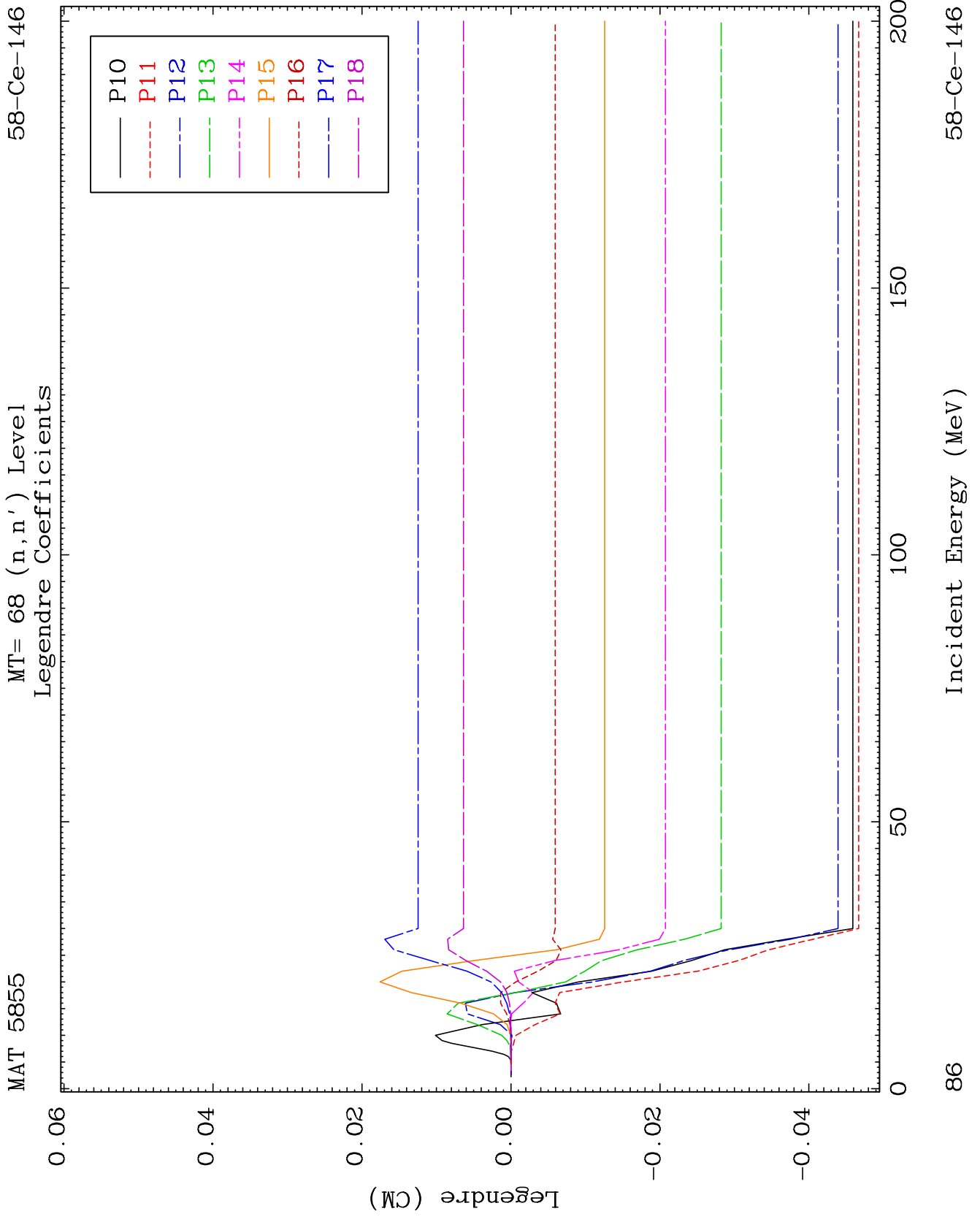
MT= 67 (n,n') Level  
Legendre Coefficients

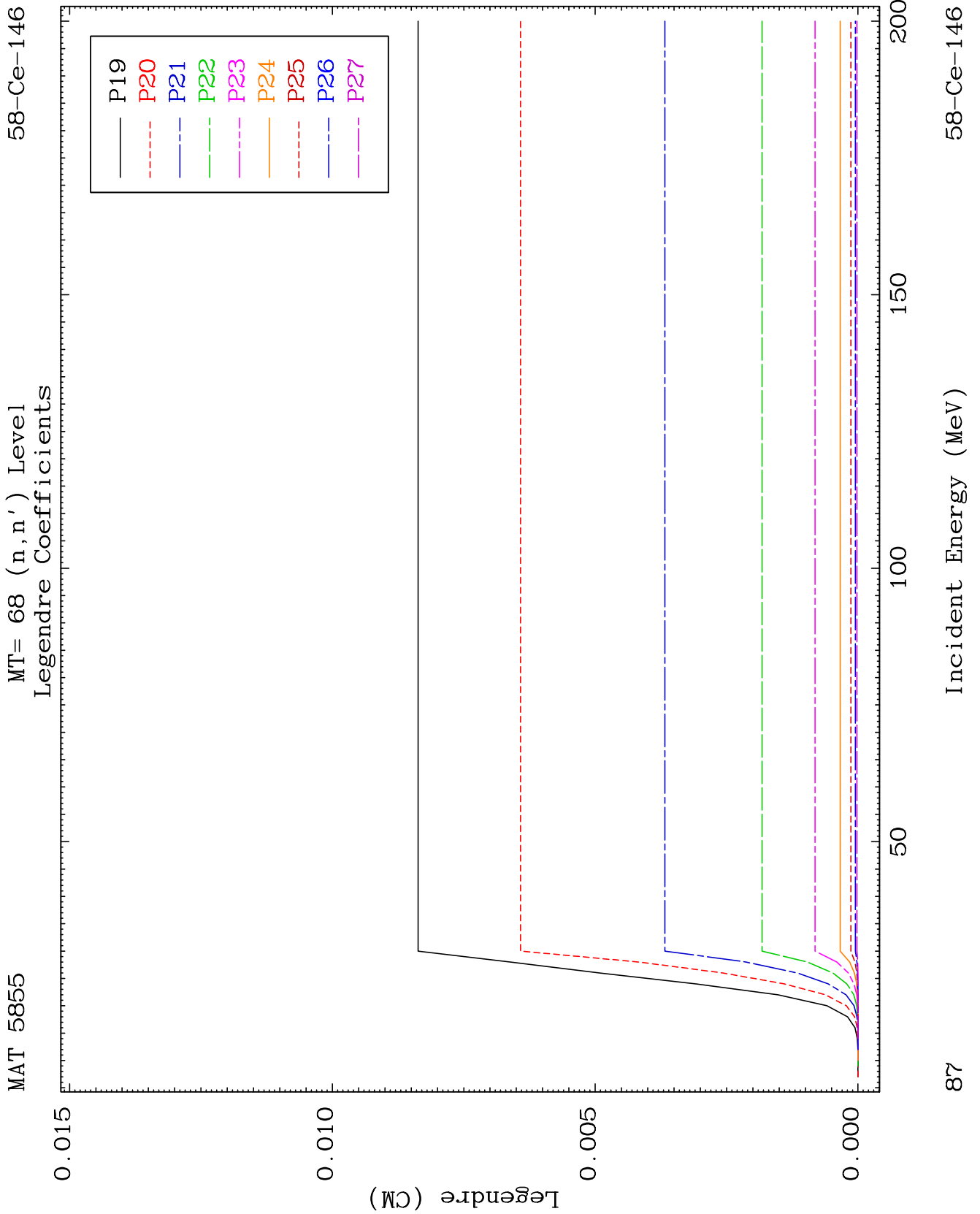
58-Ce-146



84





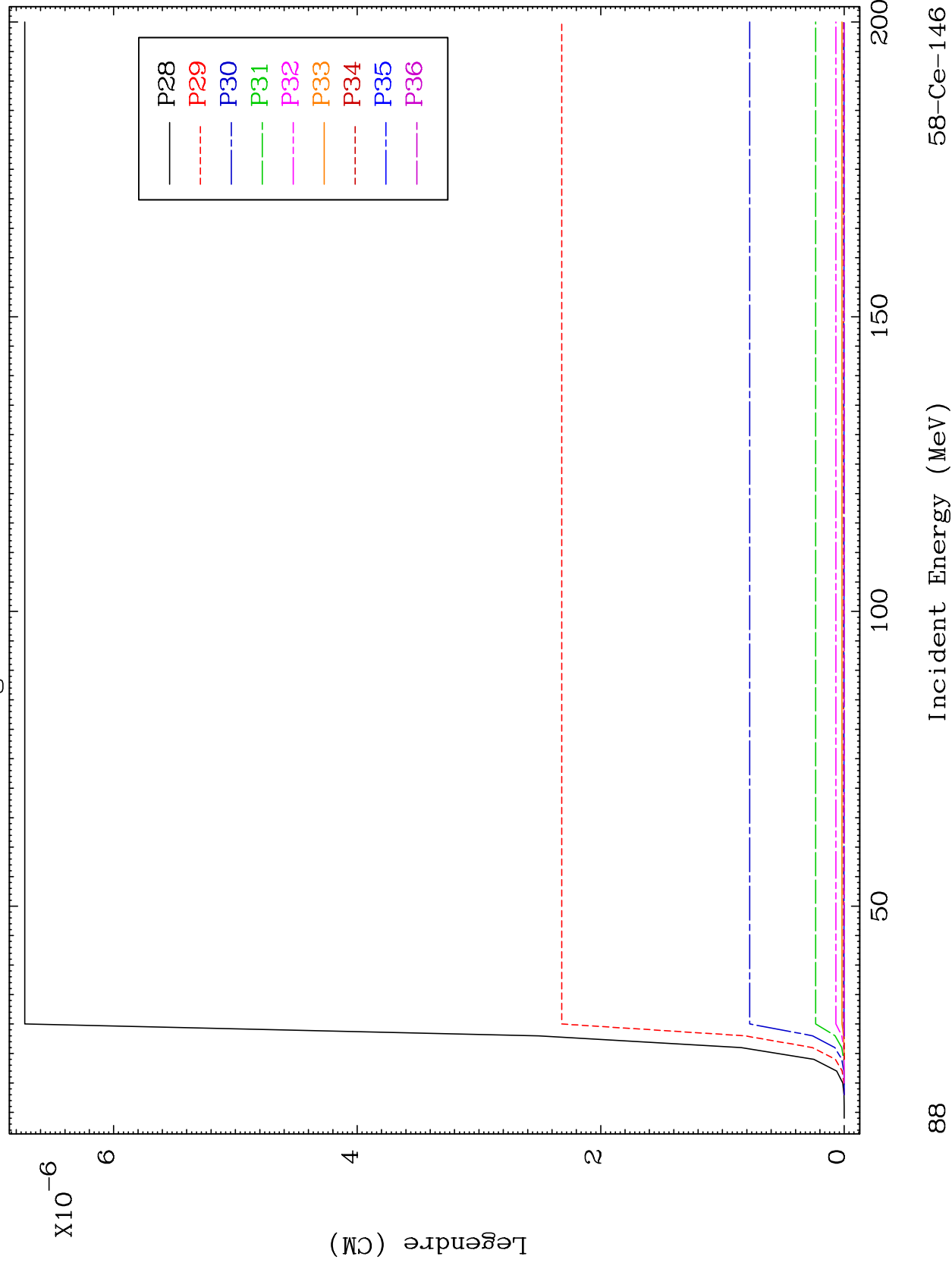




MAT 5855

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

58-Ce-146



88

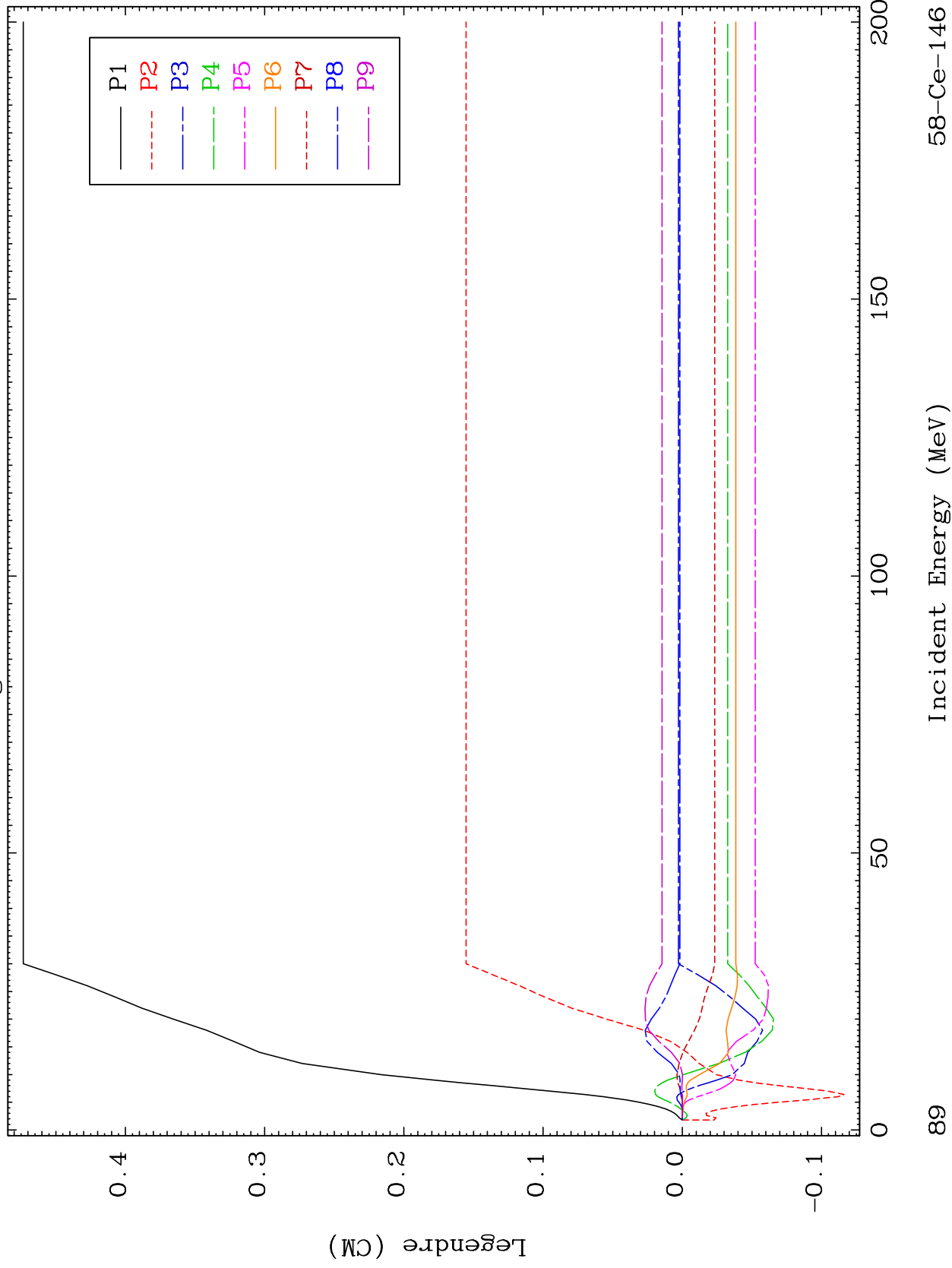
Incident Energy (MeV)

58-Ce-146

MAT 5855

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

58-Ce-146



58-Ce-146

Incident Energy (MeV)

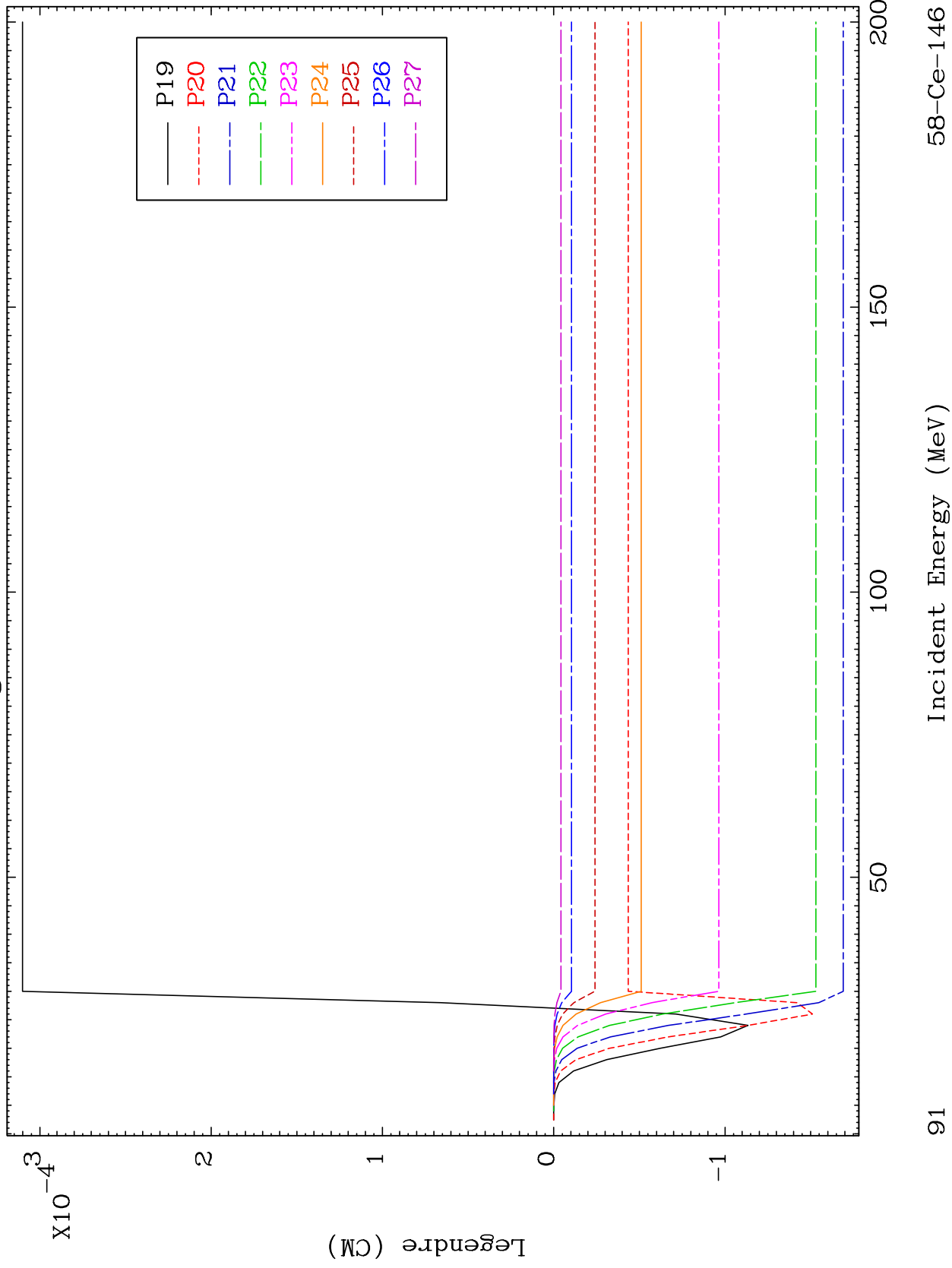
89



MAT 5855

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

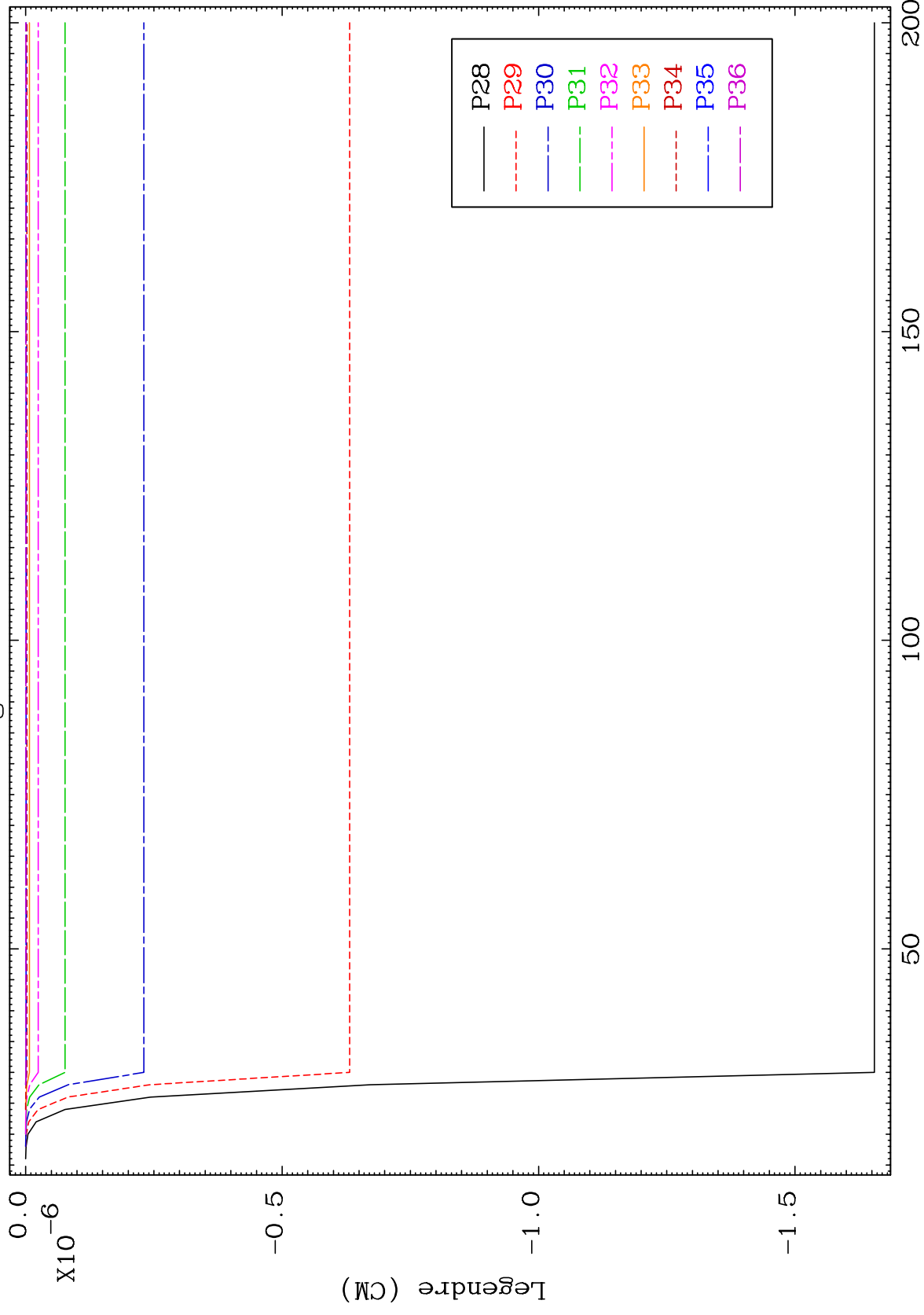
58-Ce-146



MAT 5855

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

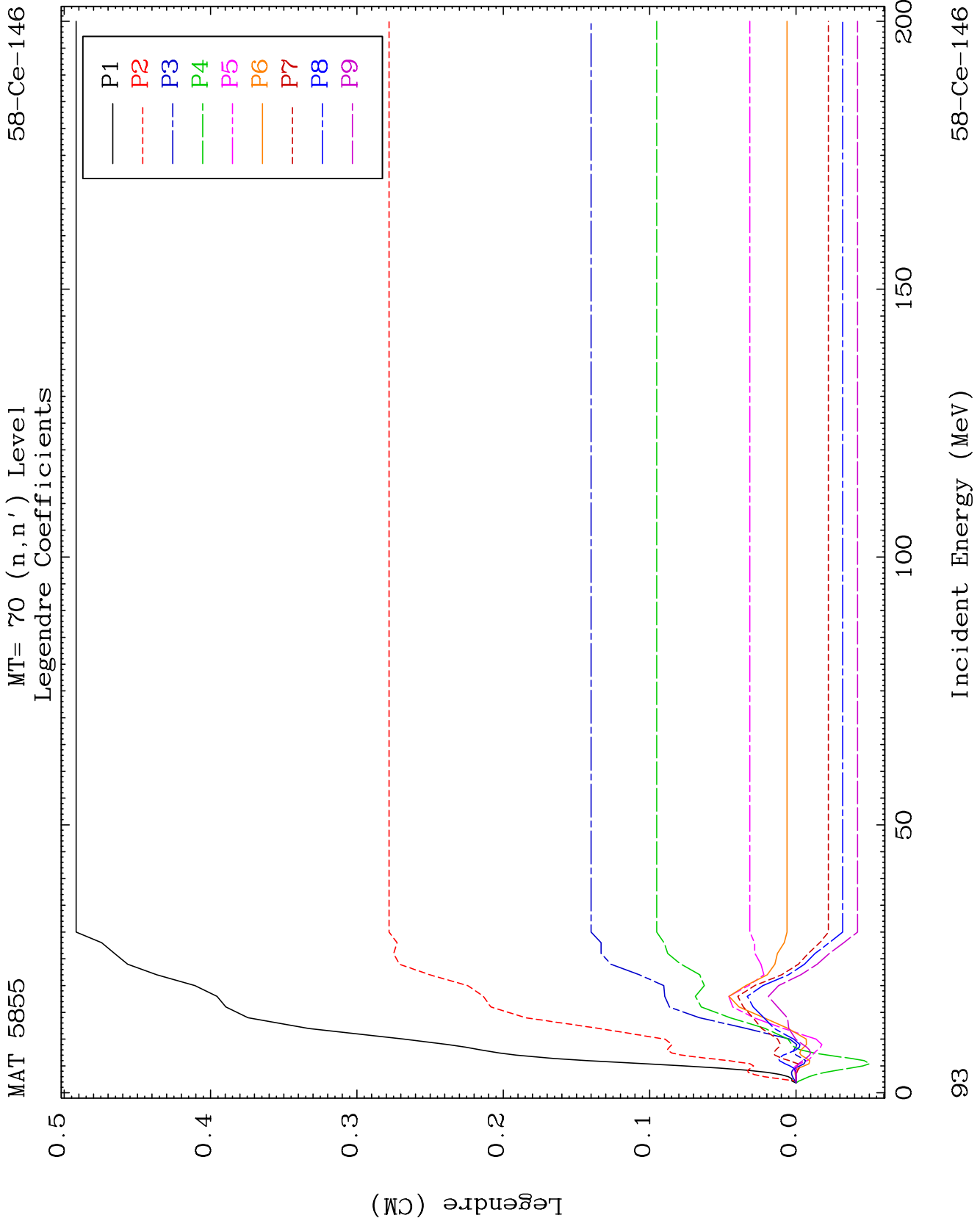
58-Ce-146

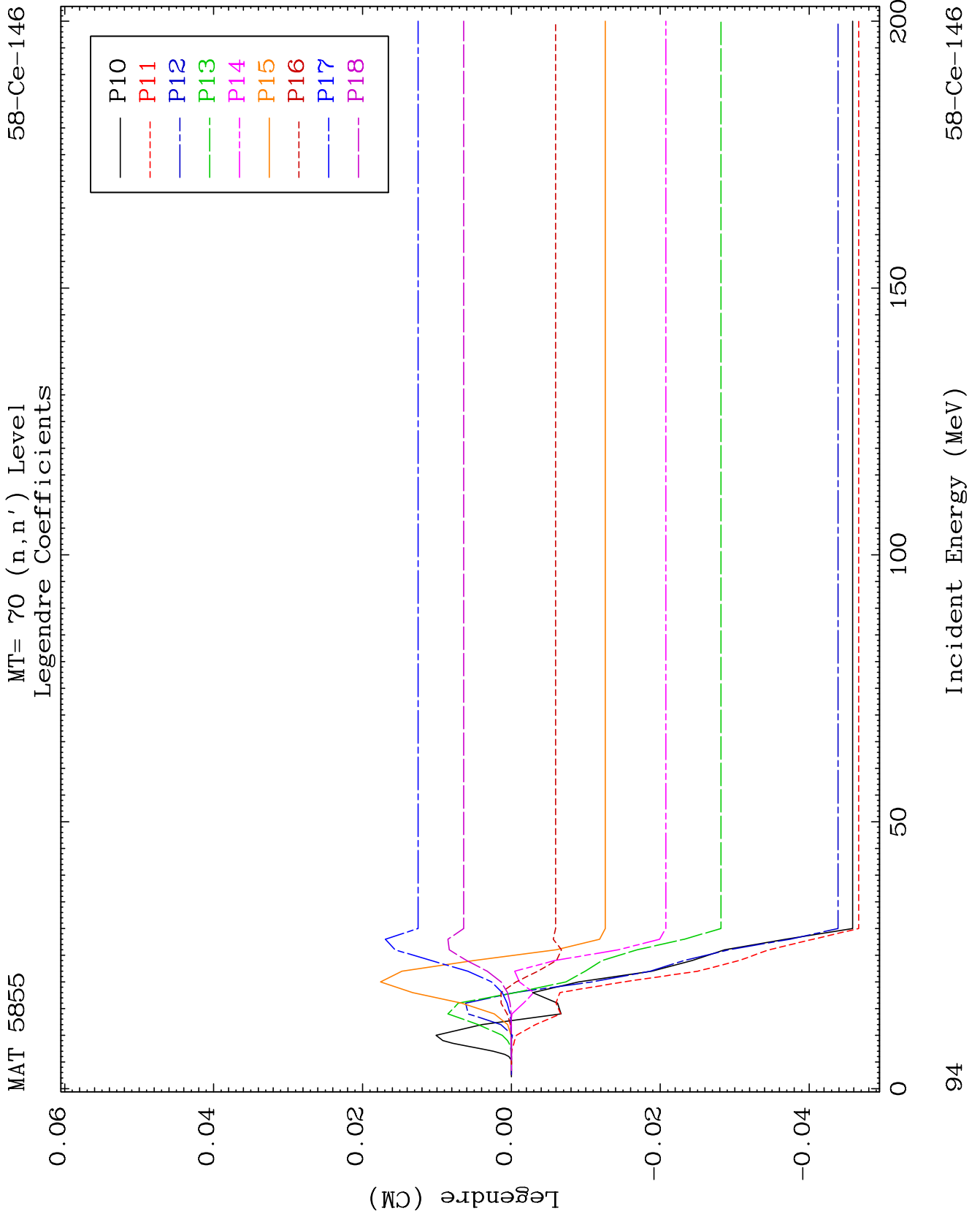


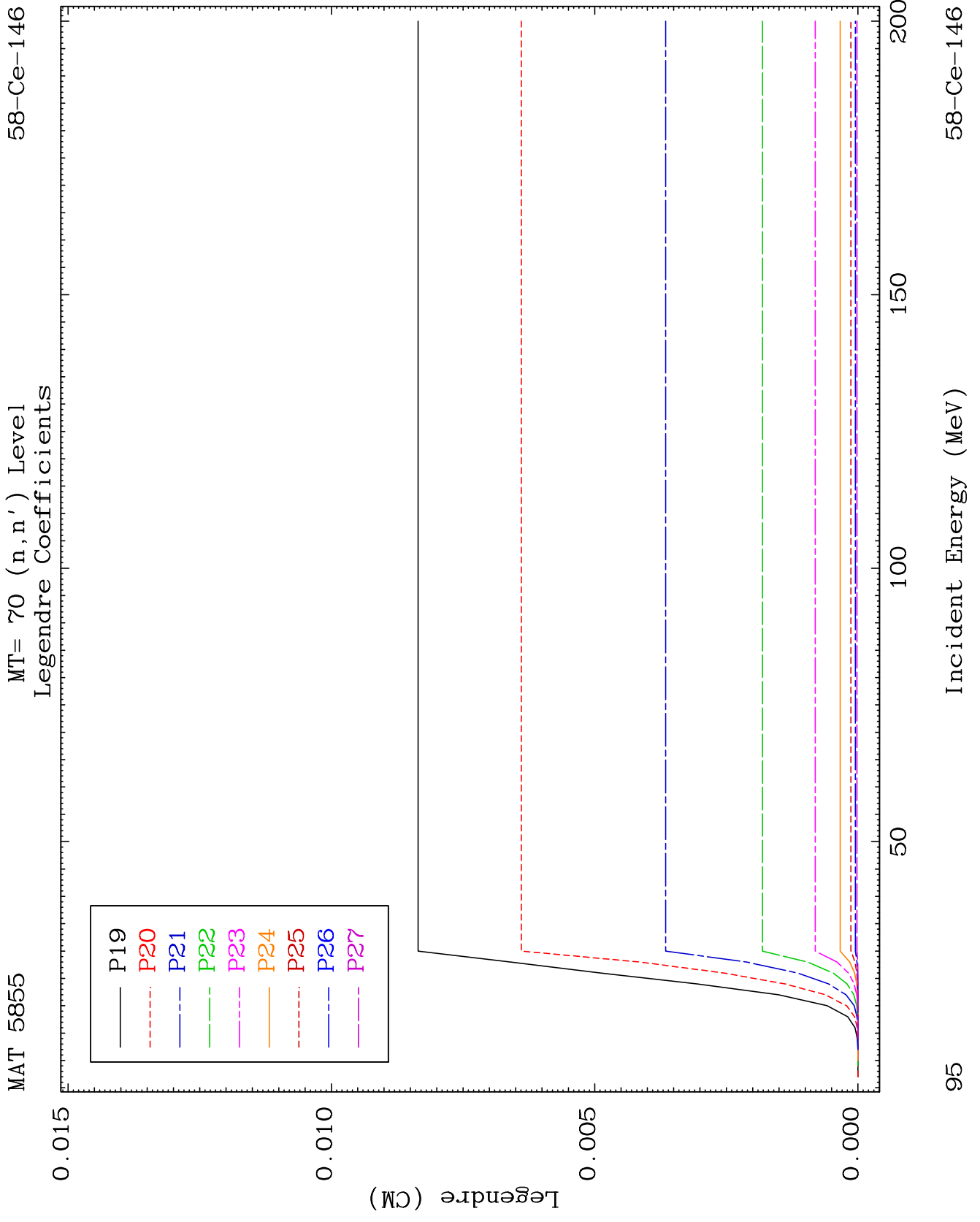
92

Incident Energy (MeV)

58-Ce-146





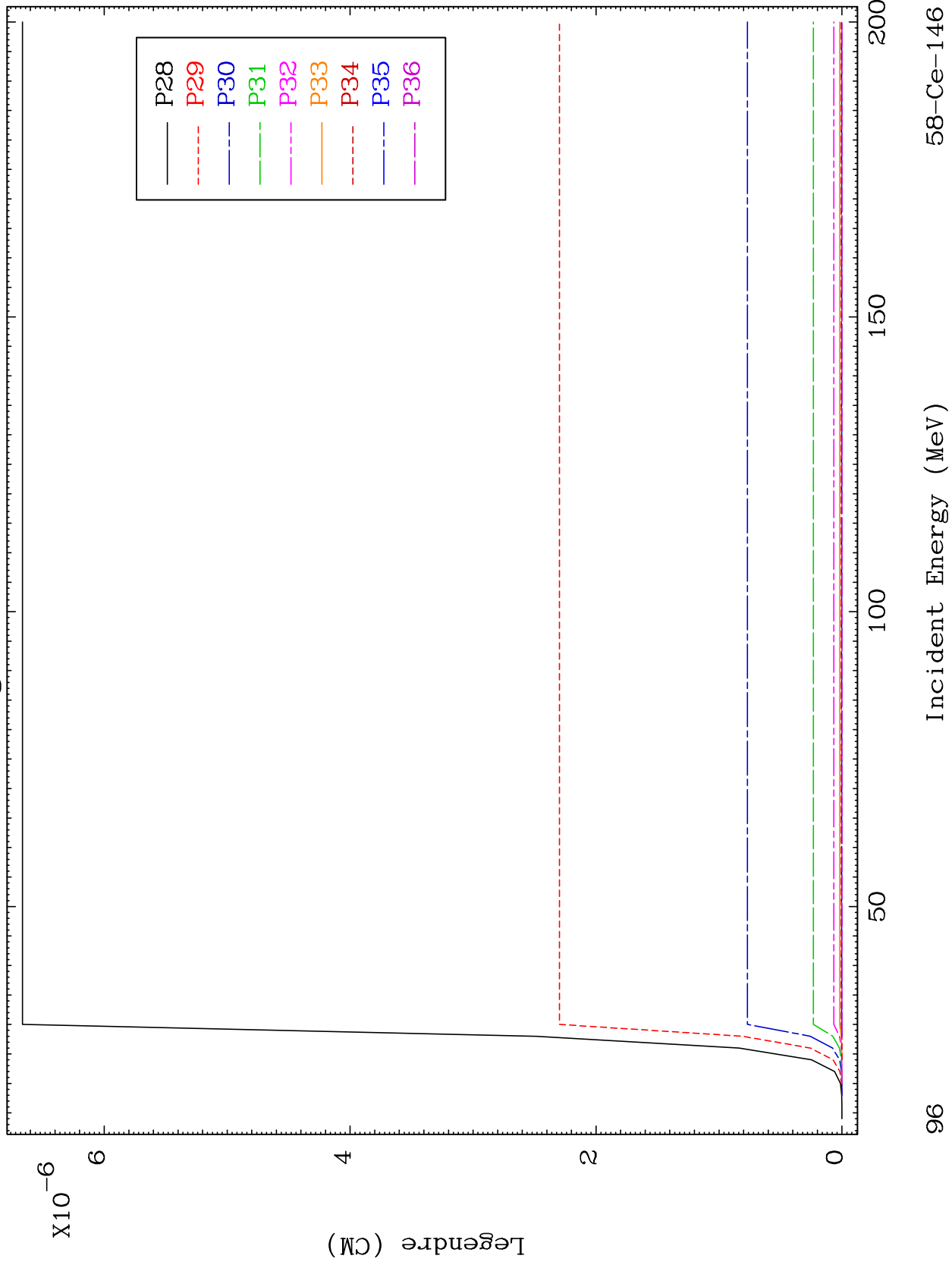




MAT 5855

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

58-Ce-146

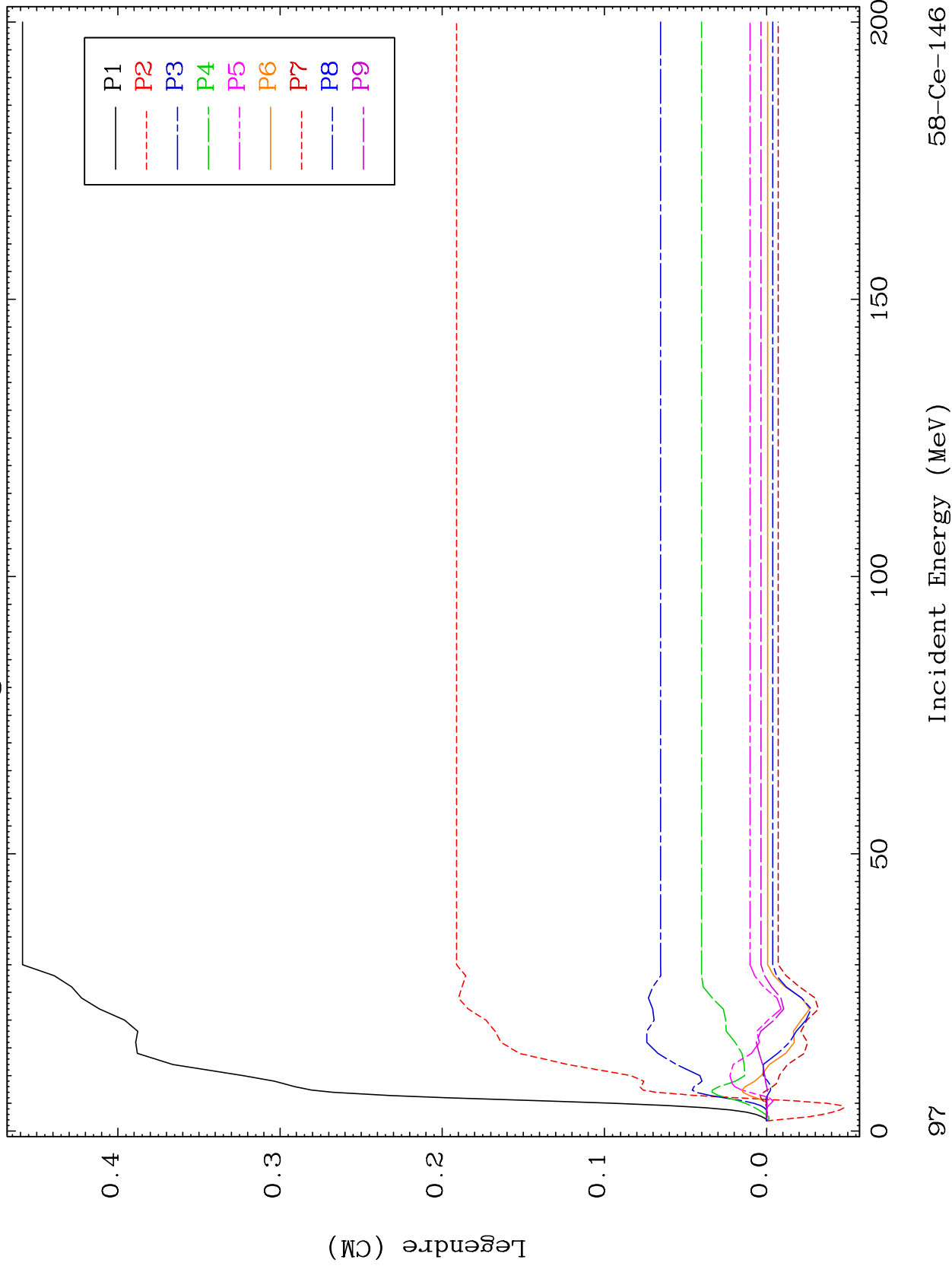


96

MAT 5855

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

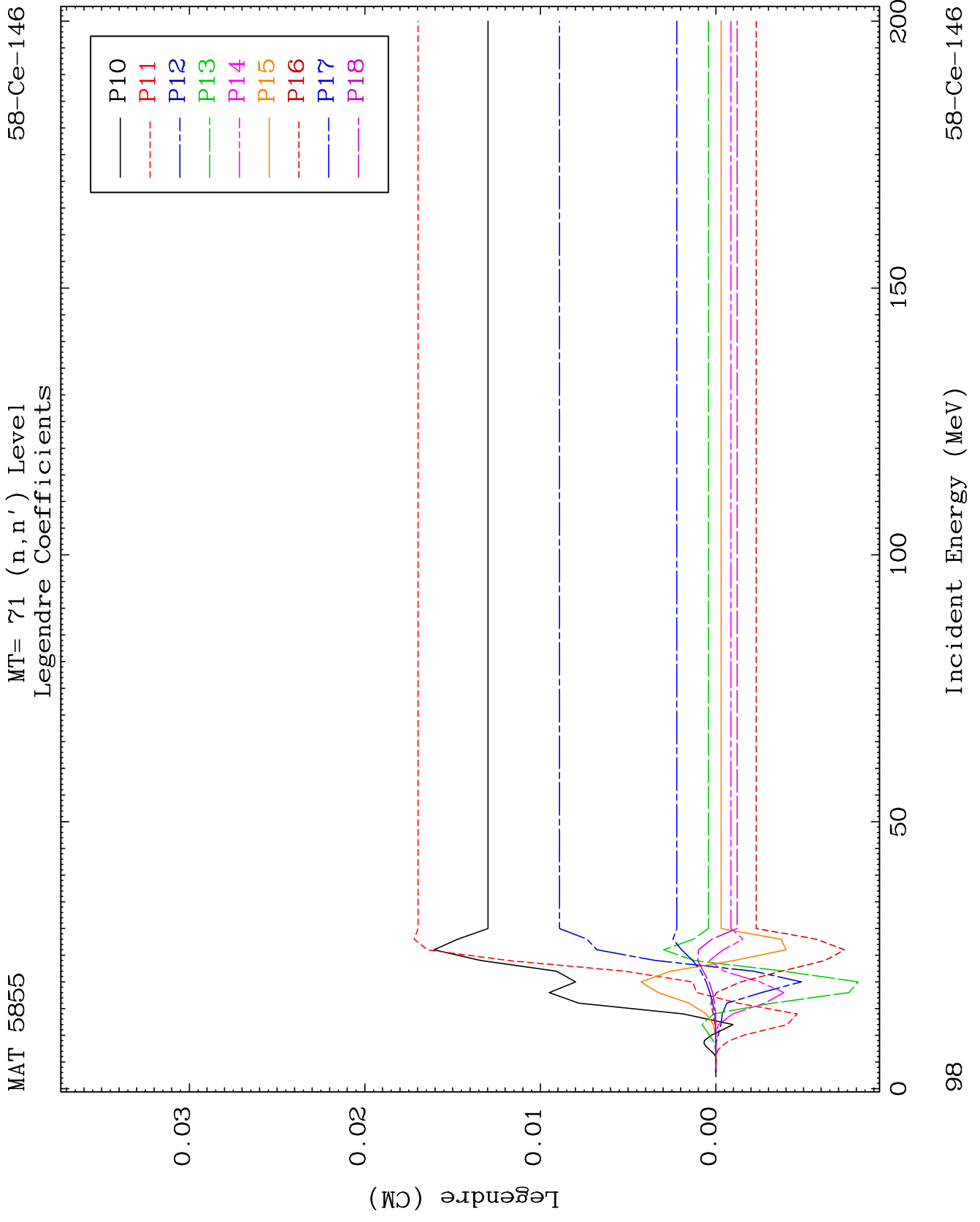
58-Ce-146



58-Ce-146

Incident Energy (MeV)

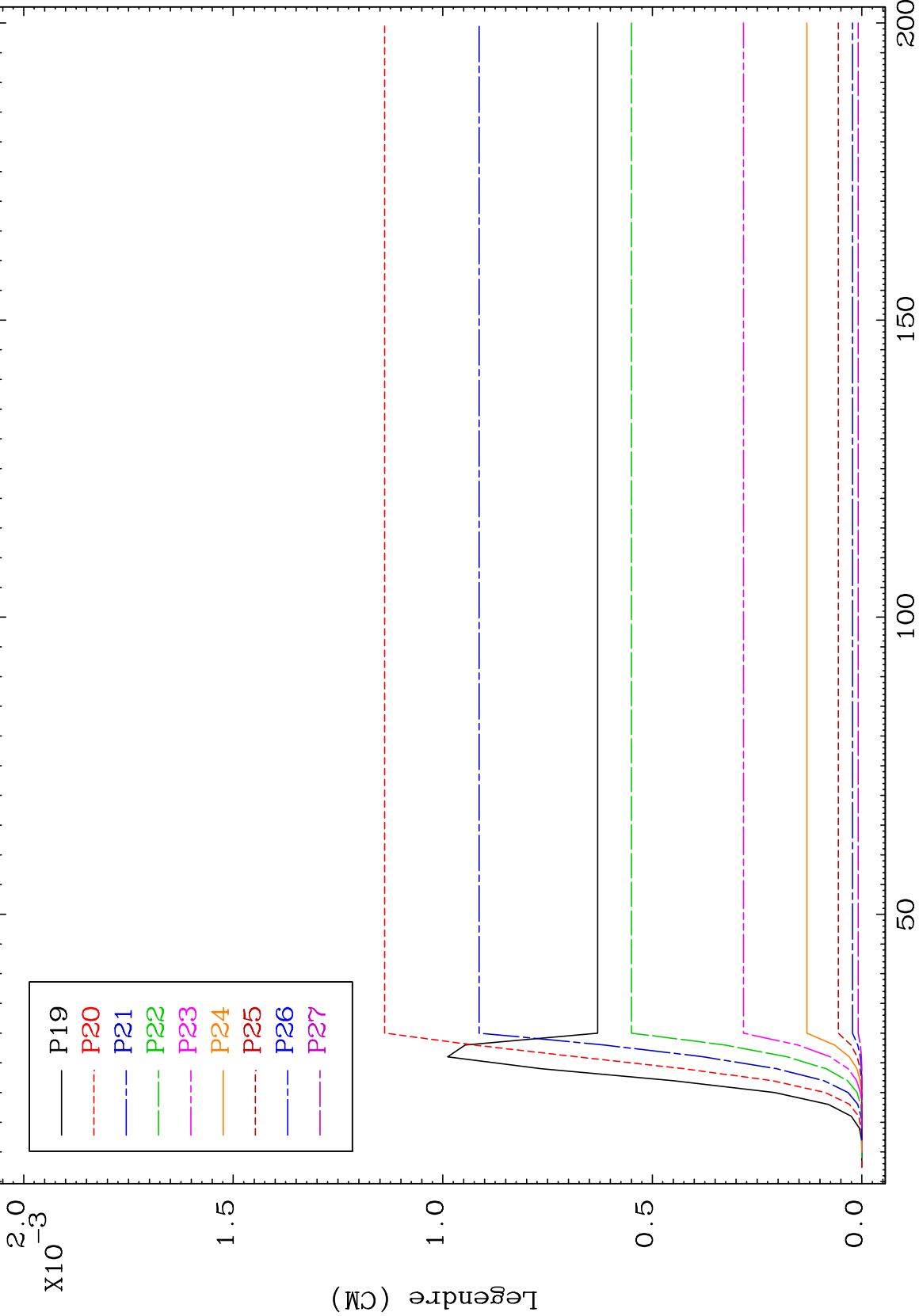
97



MAT 5855

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

58-Ce-146



99

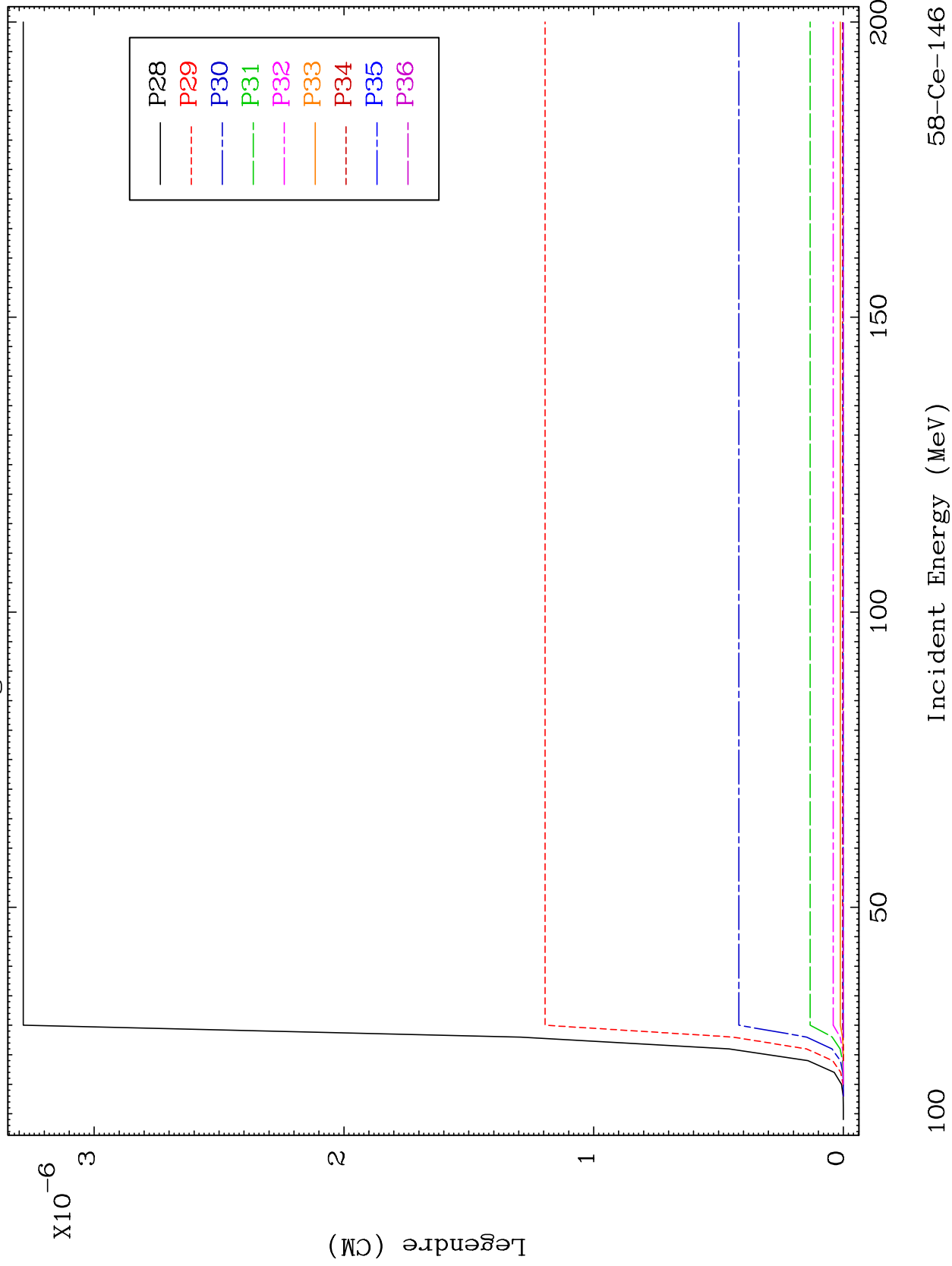
Incident Energy (MeV)

58-Ce-146

MAT 5855

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

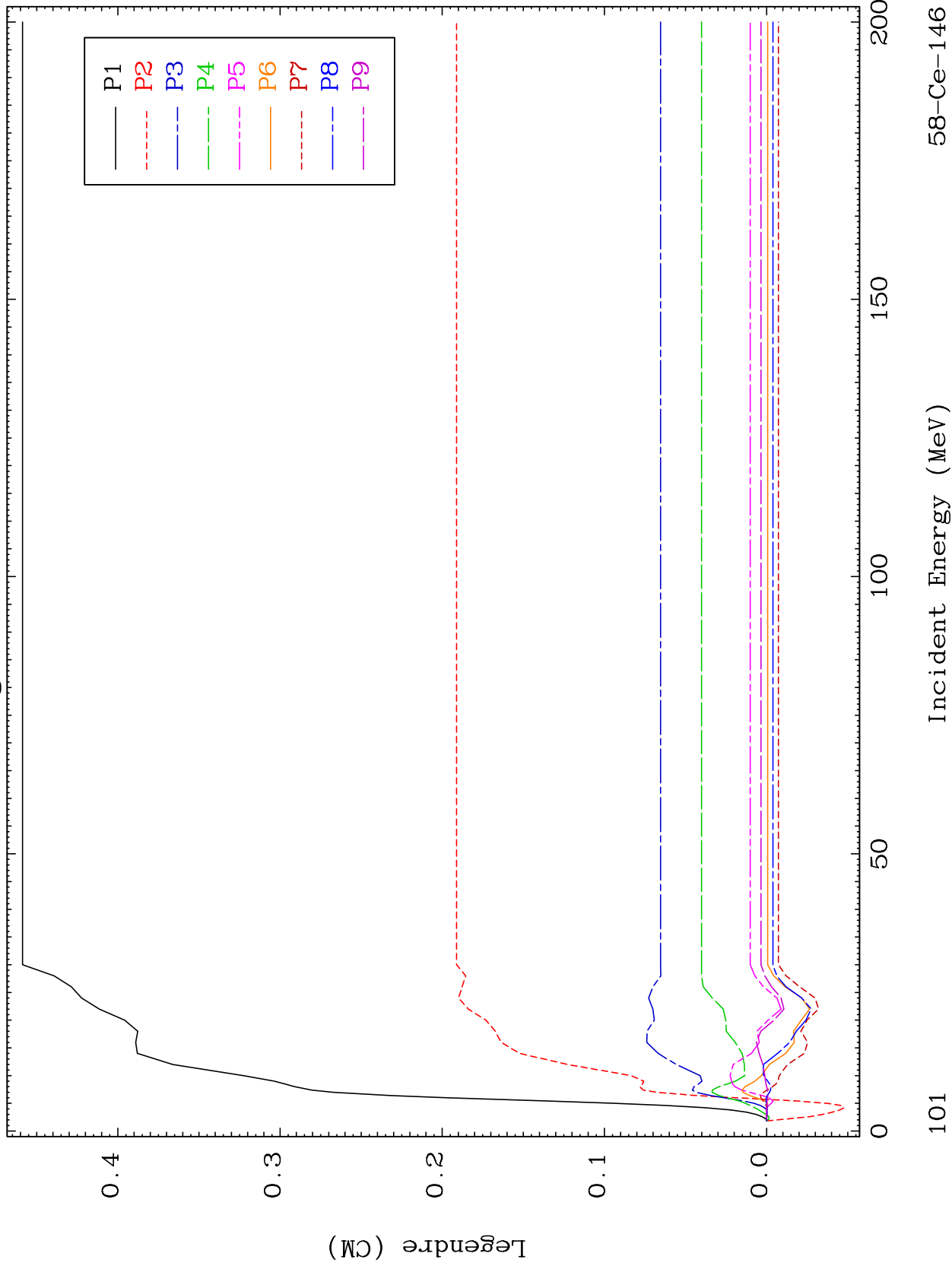
58-Ce-146



MAT 5855

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

58-Ce-146



58-Ce-146

Incident Energy (MeV)

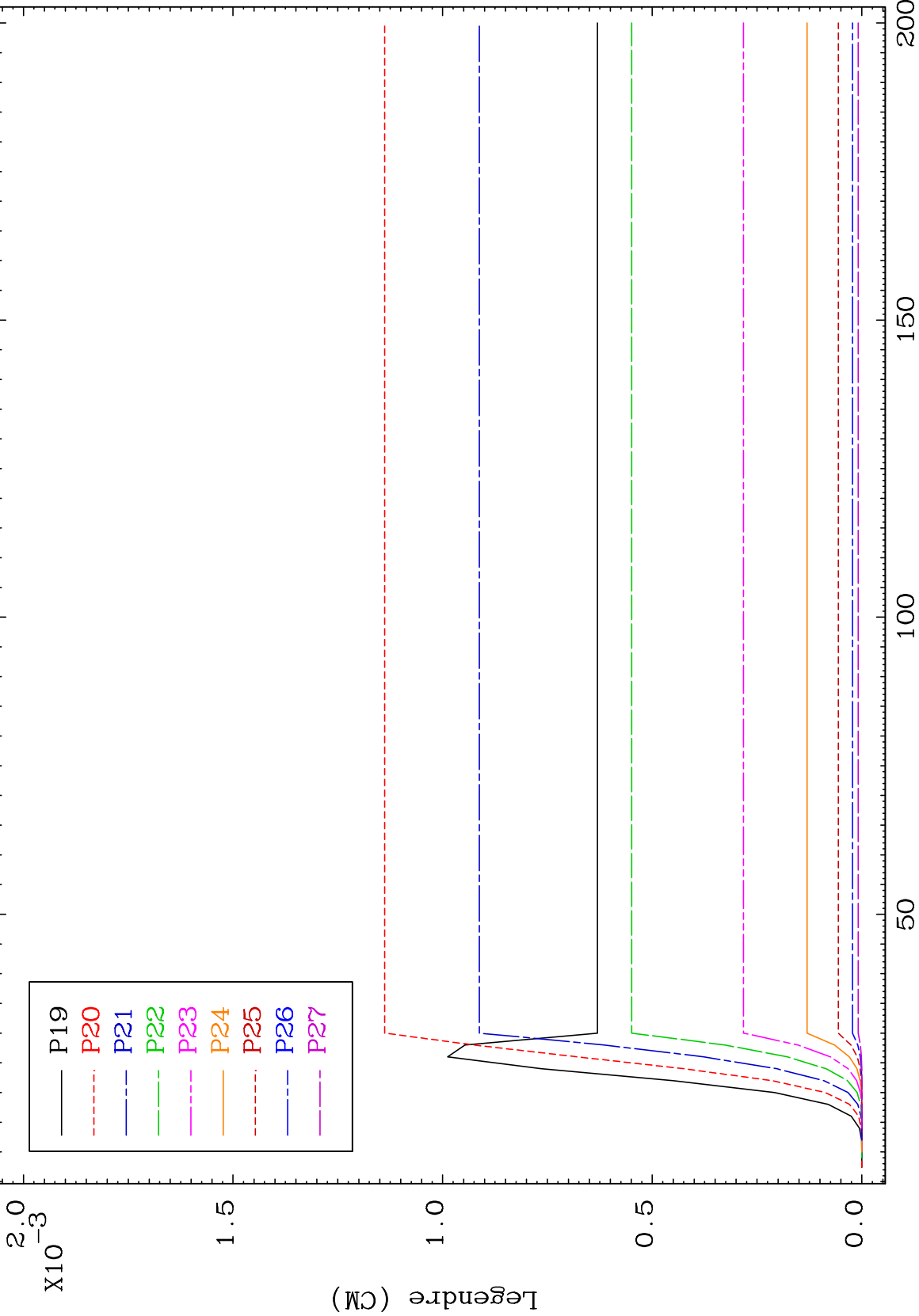
101



MAT 5855

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

58-Ce-146



103

Incident Energy (MeV)

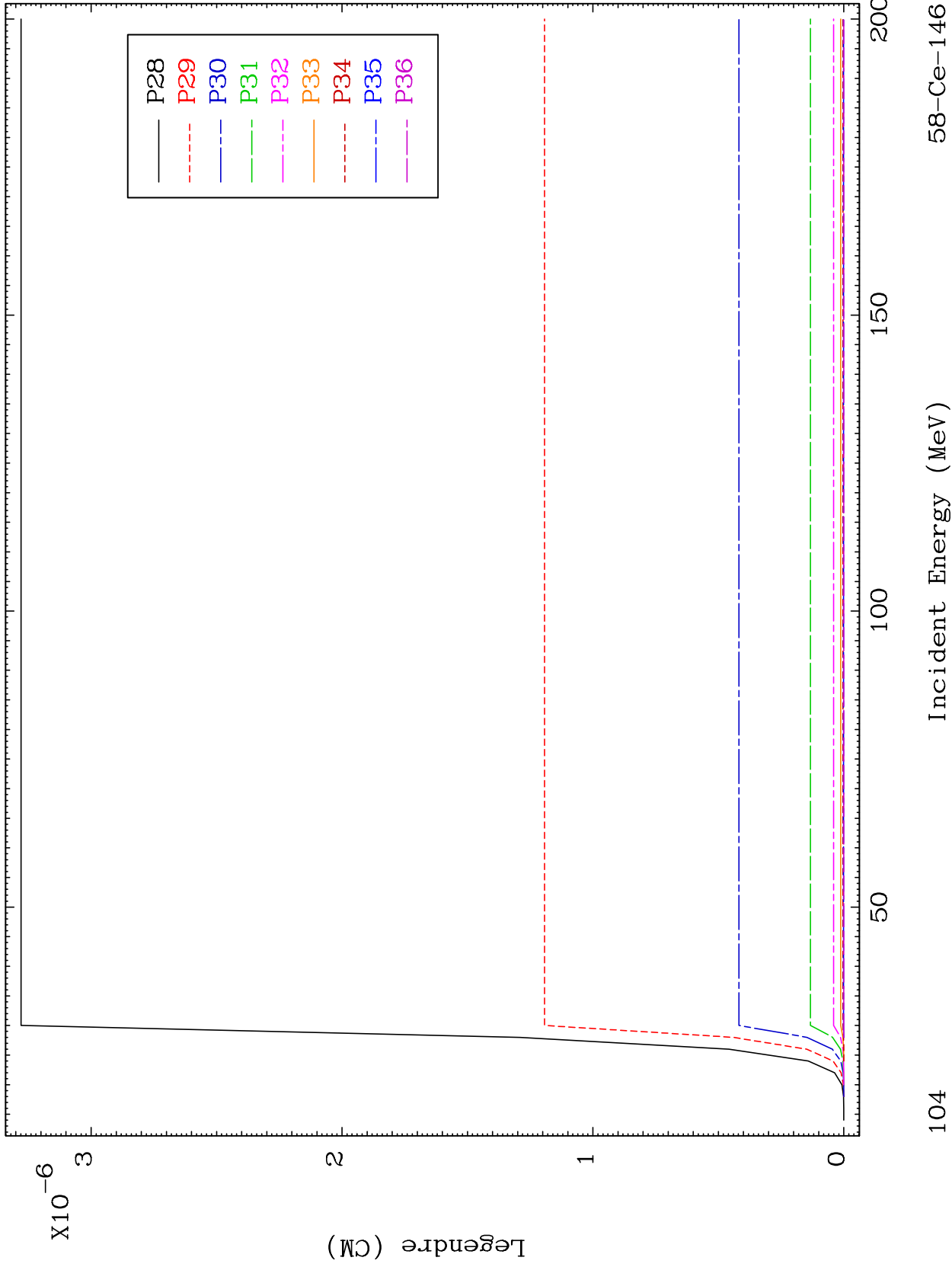
58-Ce-146



MAT 5855

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

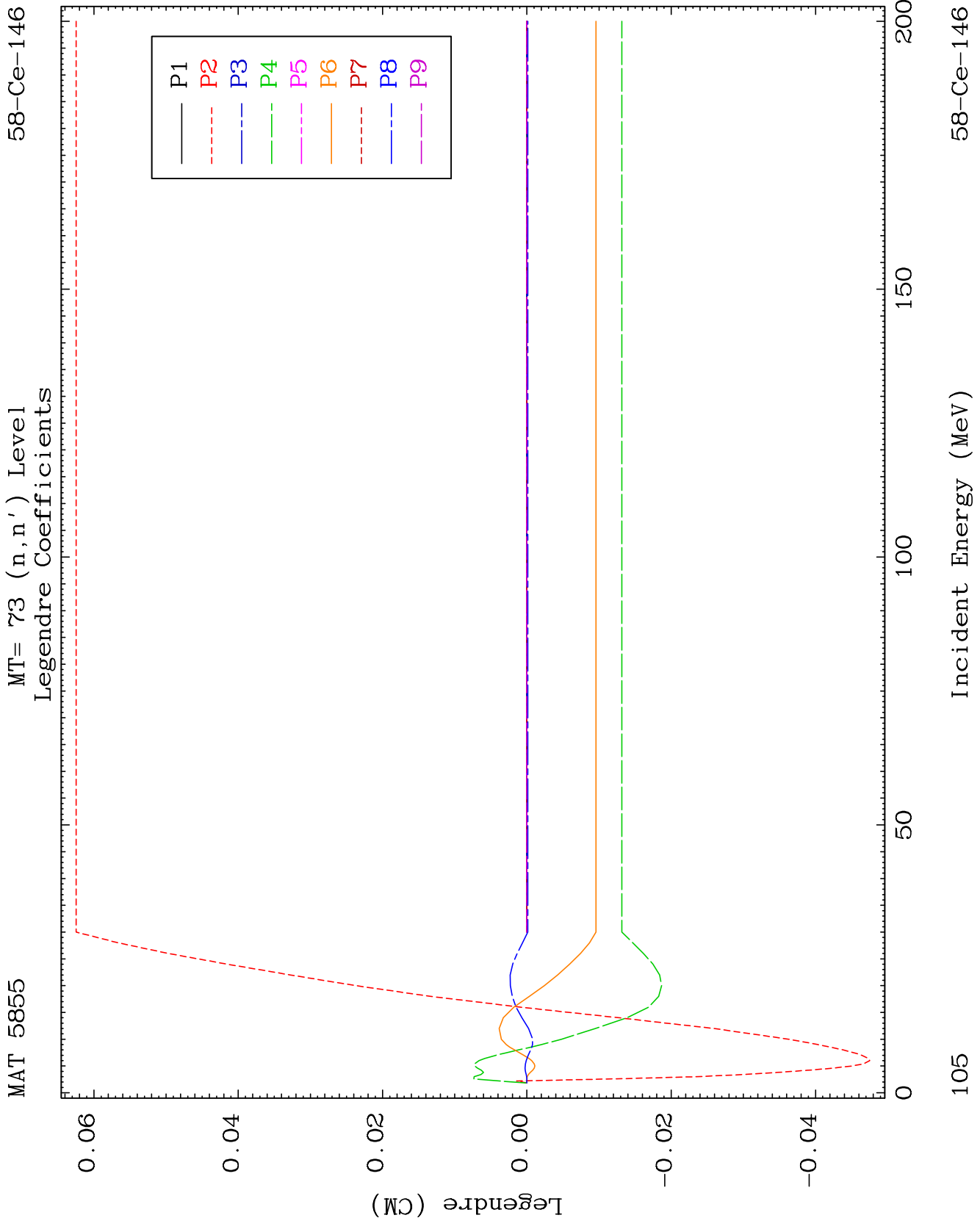
58-Ce-146



104

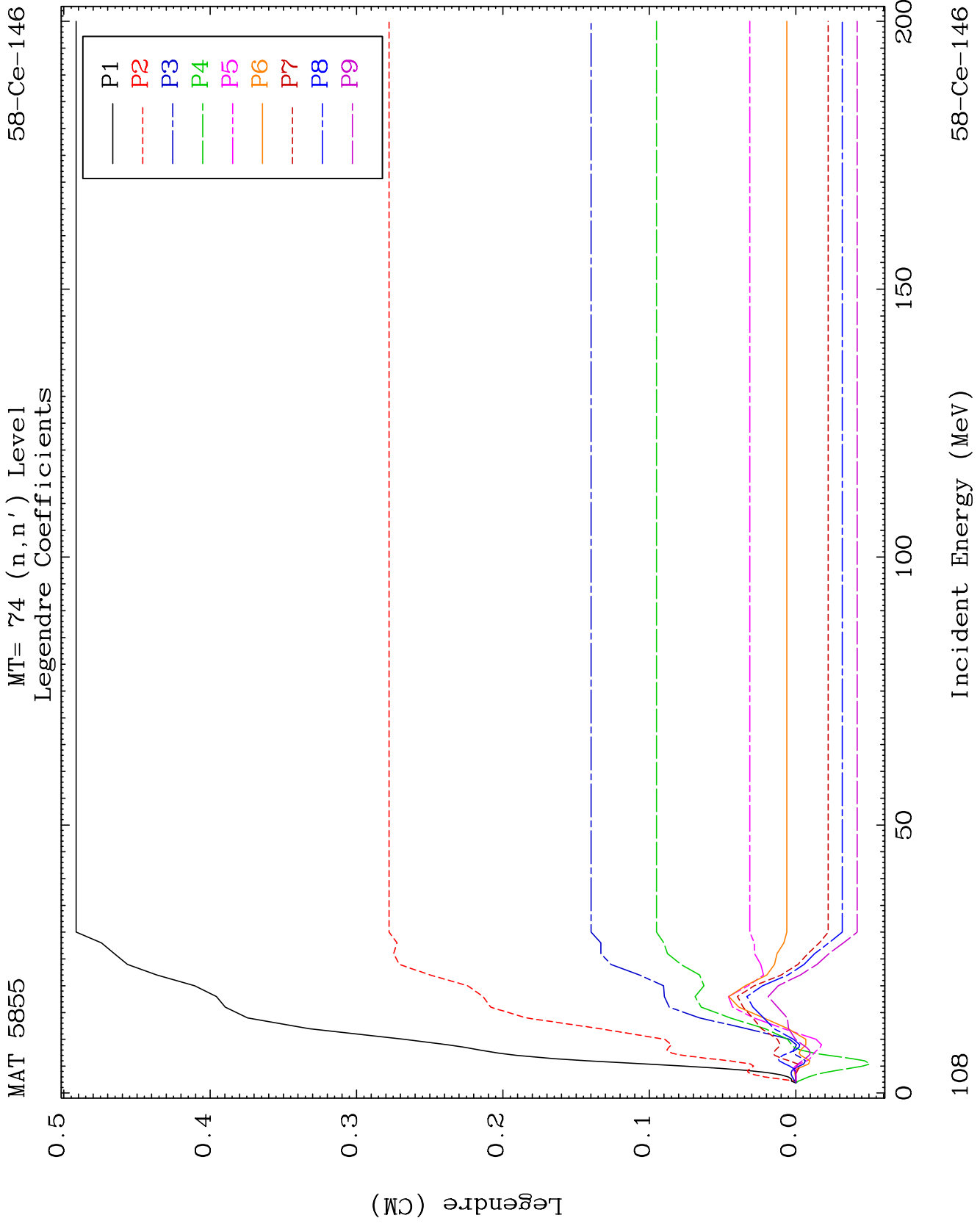
Incident Energy (MeV)

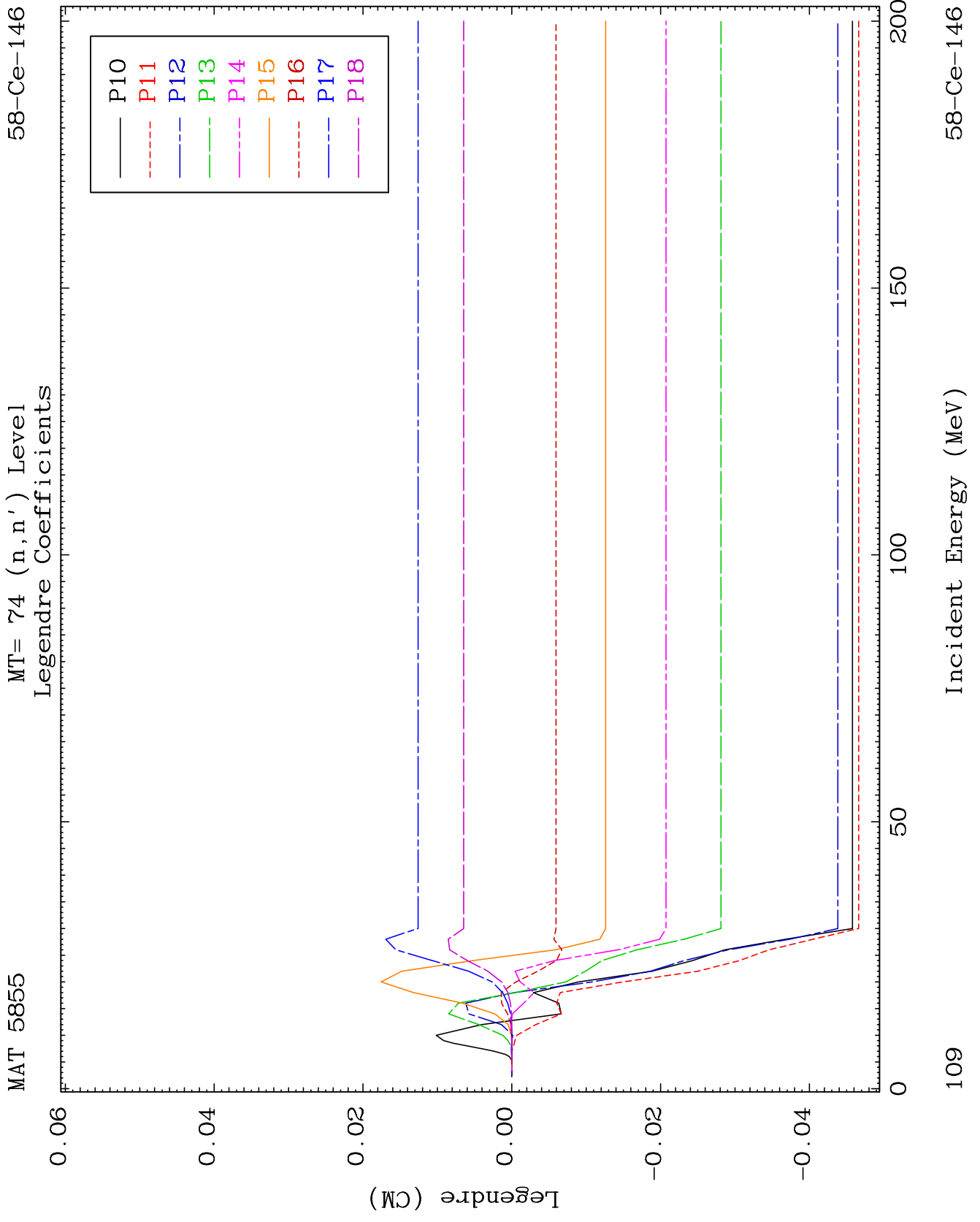
58-Ce-146

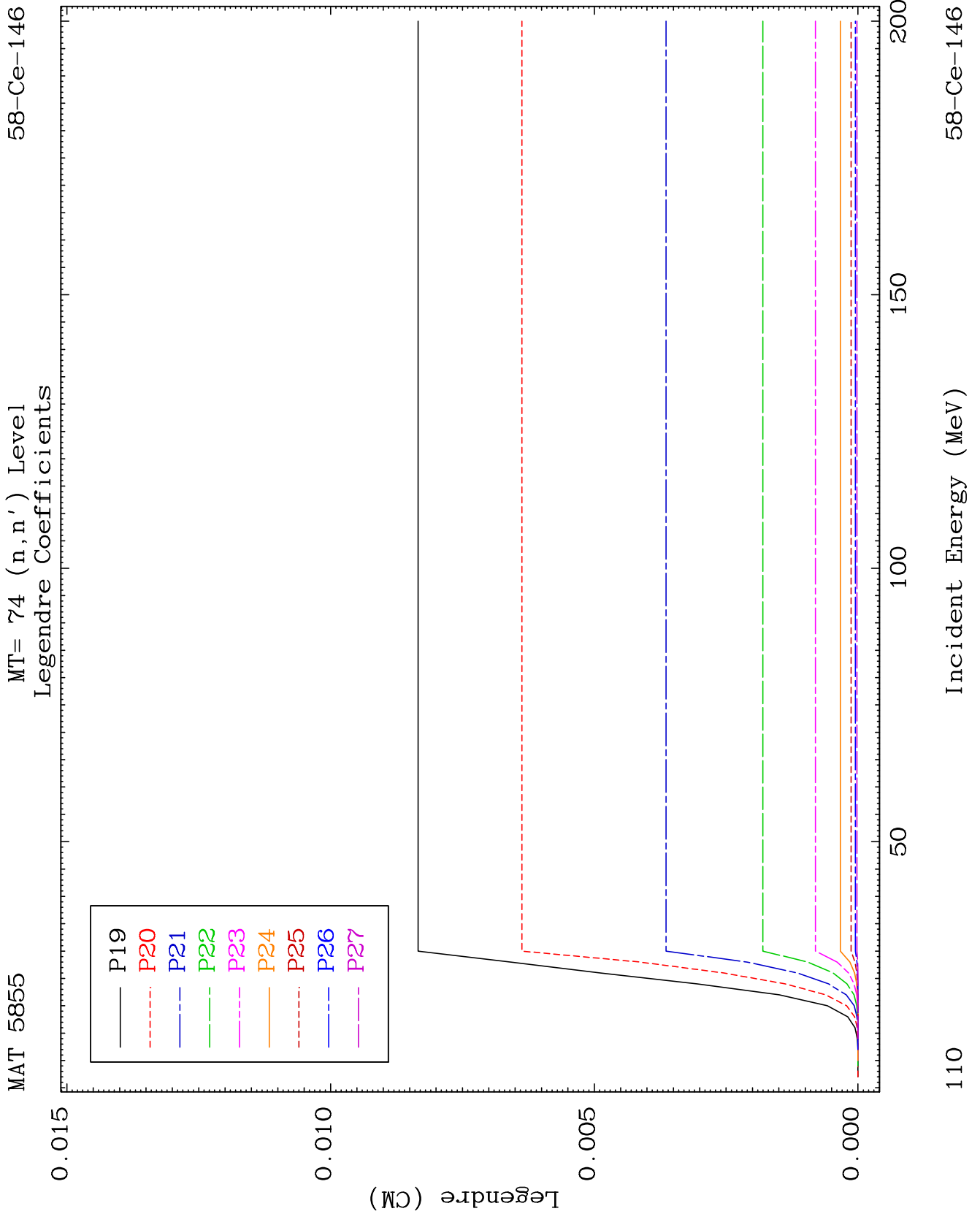








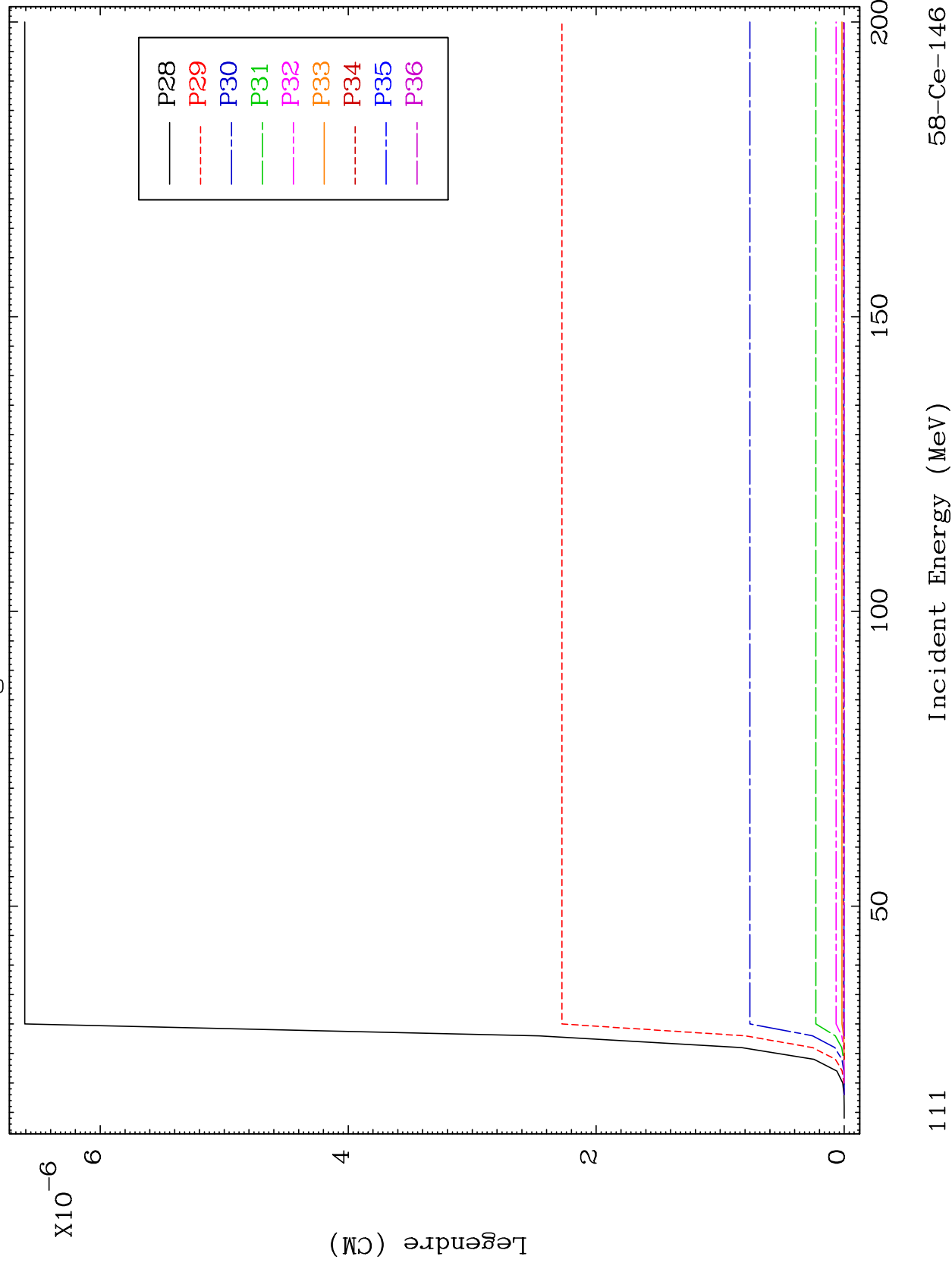




MAT 5855

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

58-Ce-146

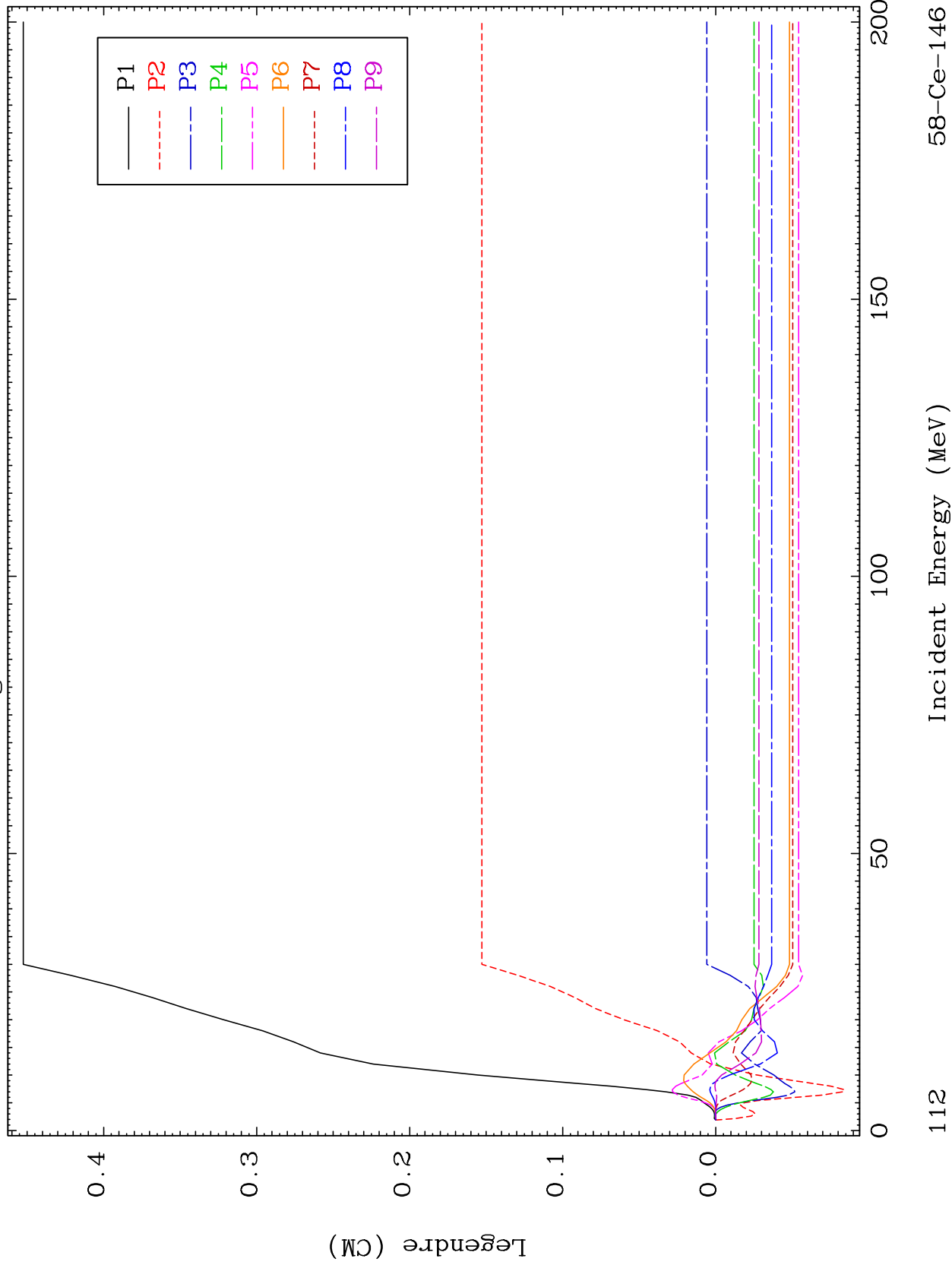




MAT 5855

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

58-Ce-146



58-Ce-146

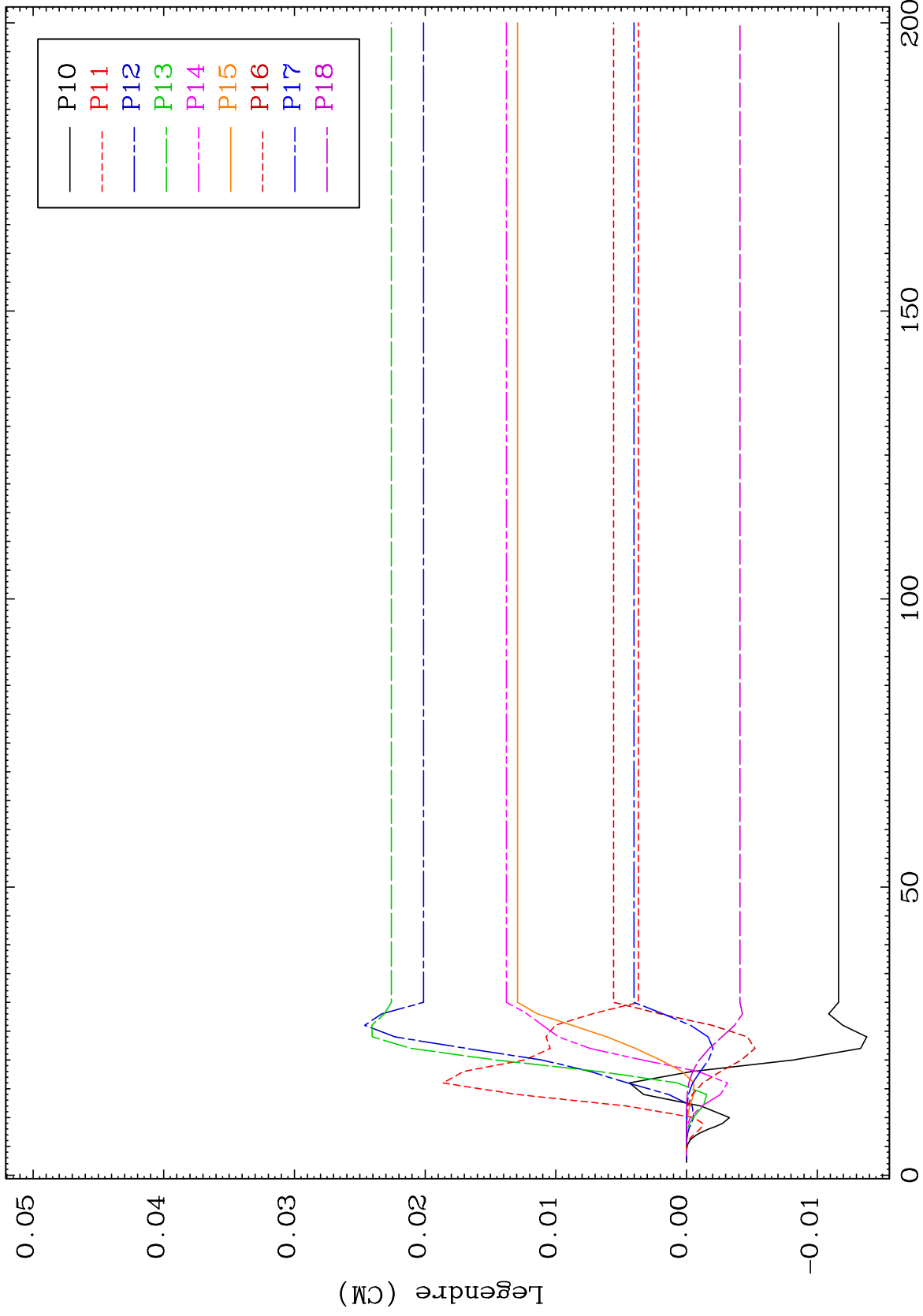
Incident Energy (MeV)

112

MAT 5855

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

58-Ce-146



113

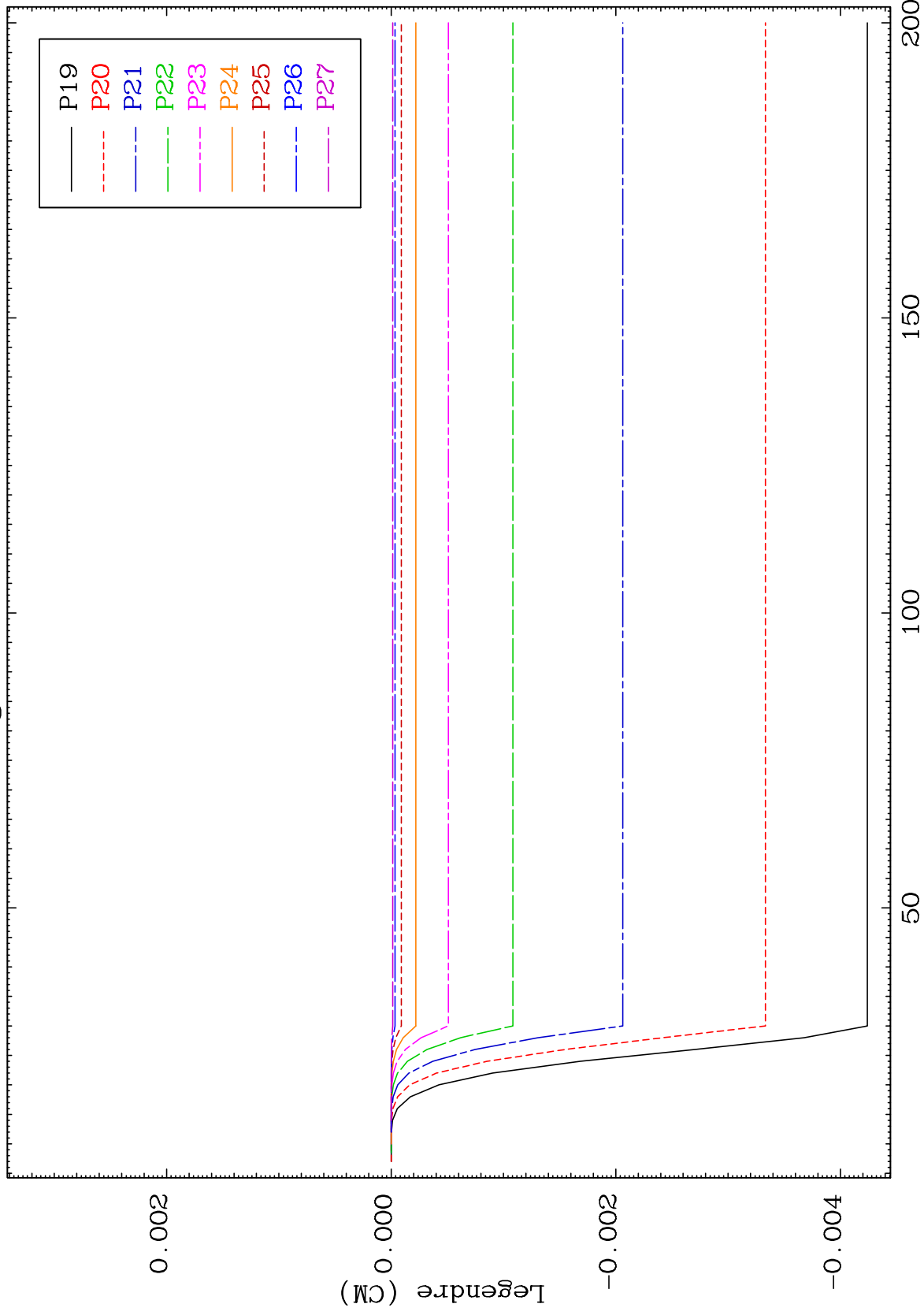
Incident Energy (MeV)

58-Ce-146

MAT 5855

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

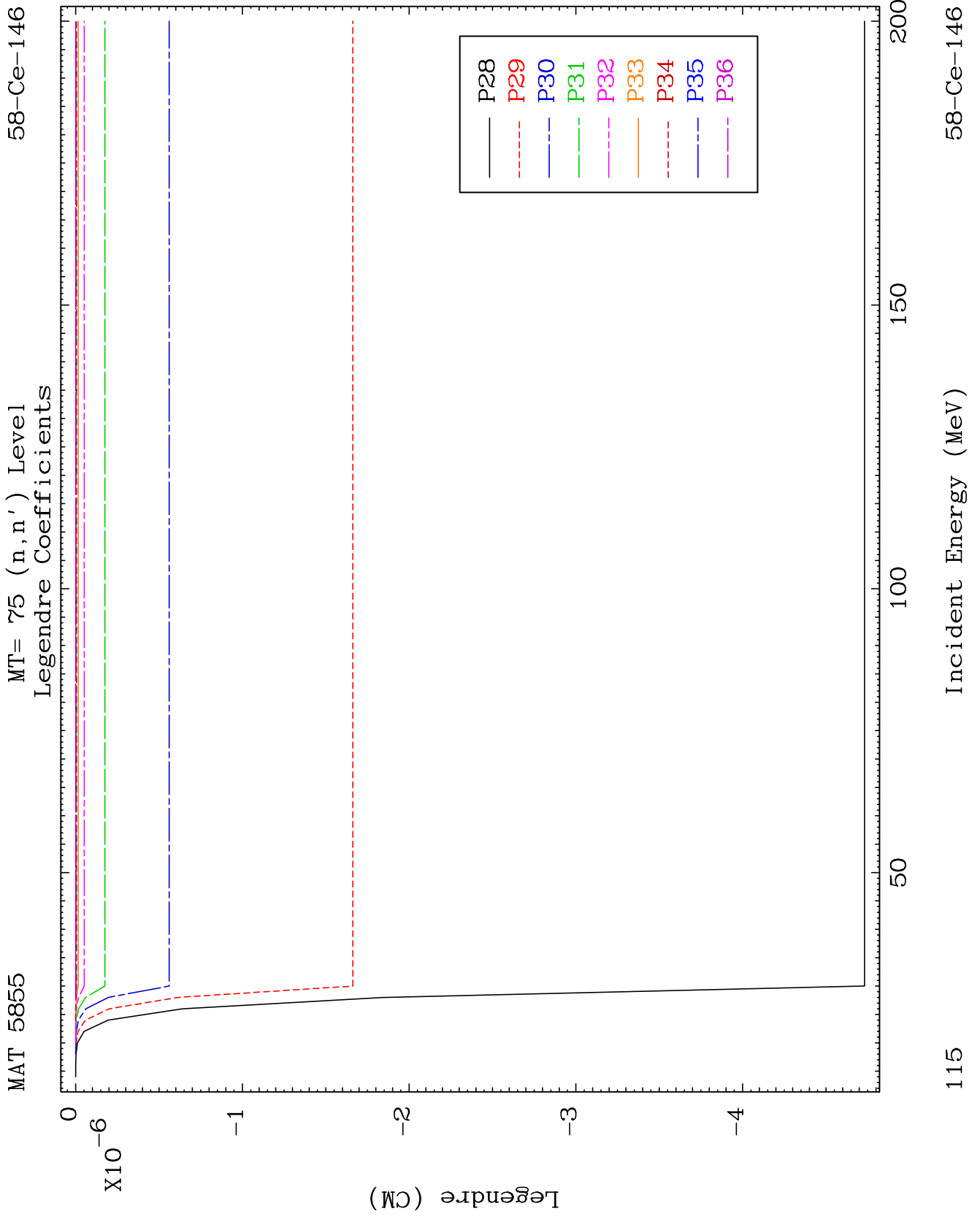
58-Ce-146



114

Incident Energy (MeV)

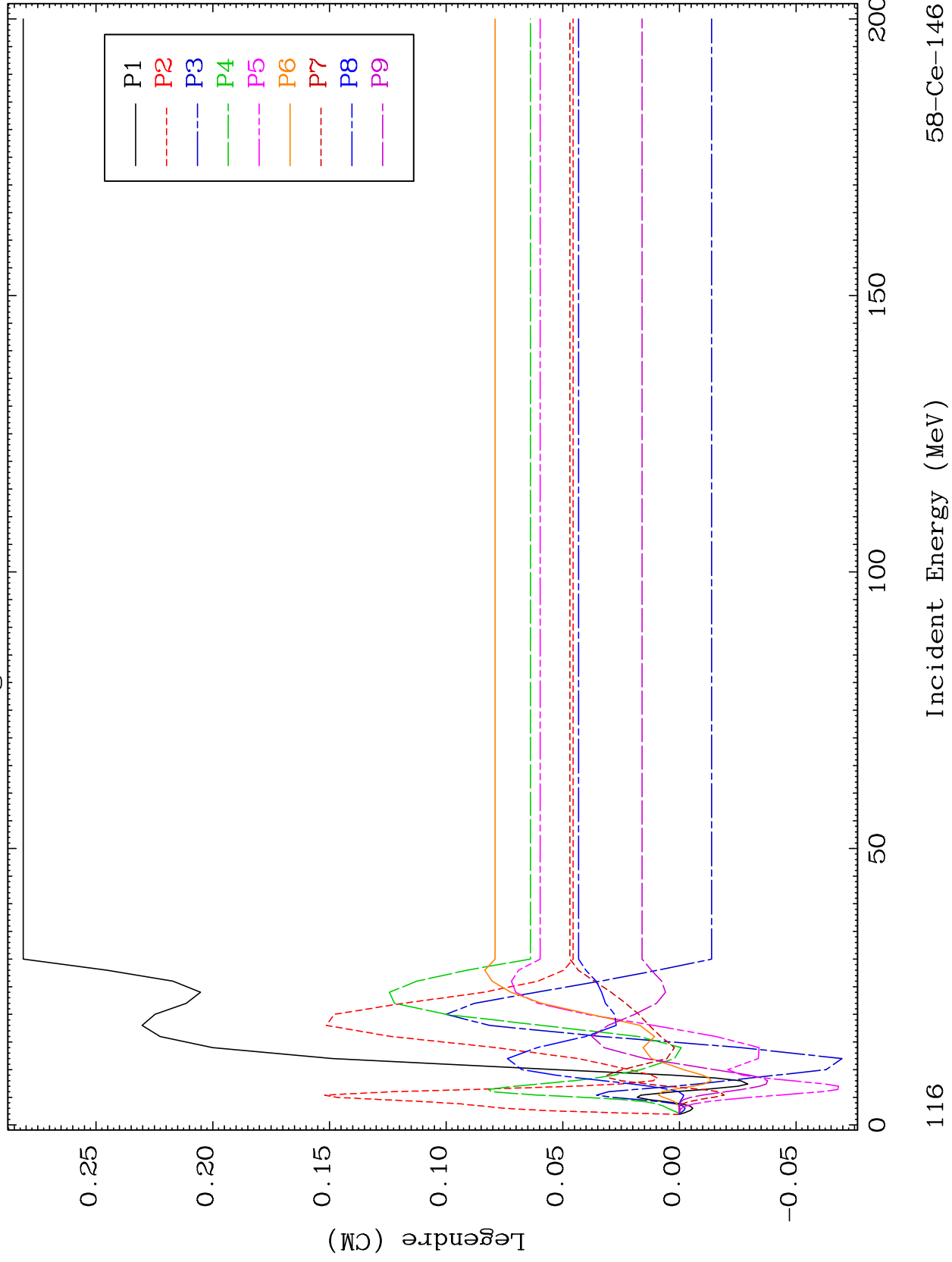
58-Ce-146



MAT 5855

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

58-Ce-146



58-Ce-146

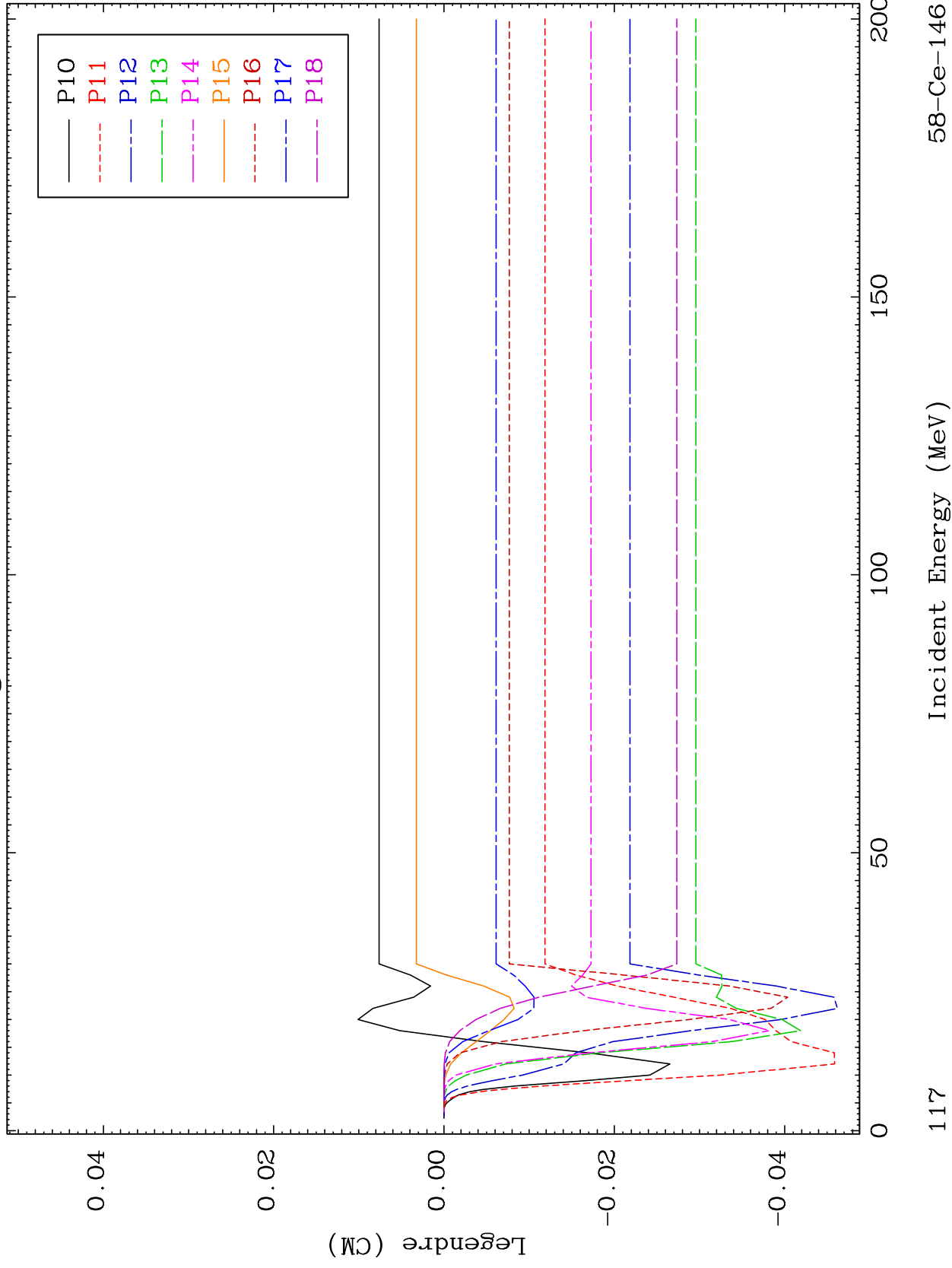
Incident Energy (MeV)

116

MAT 5855

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

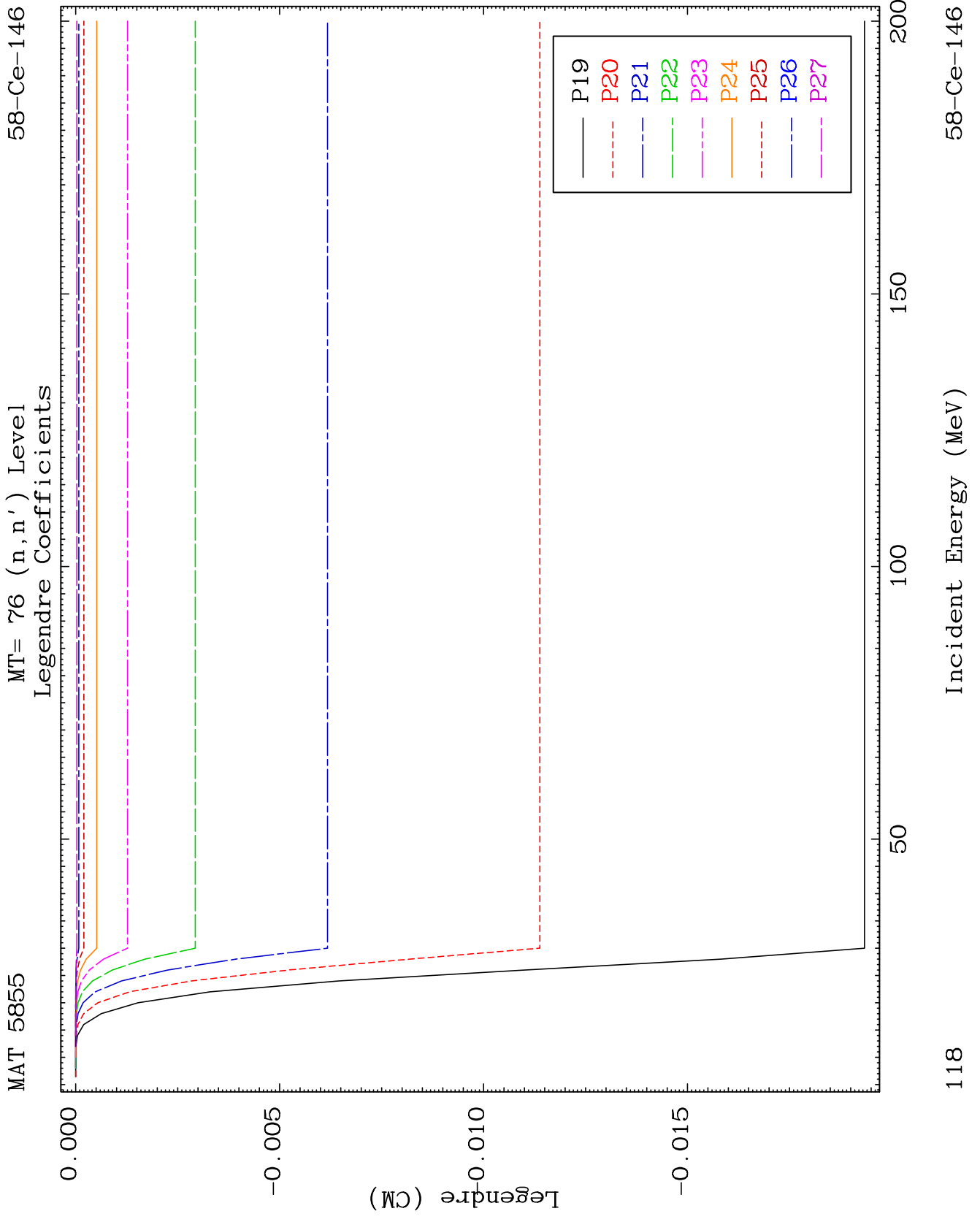
58-Ce-146

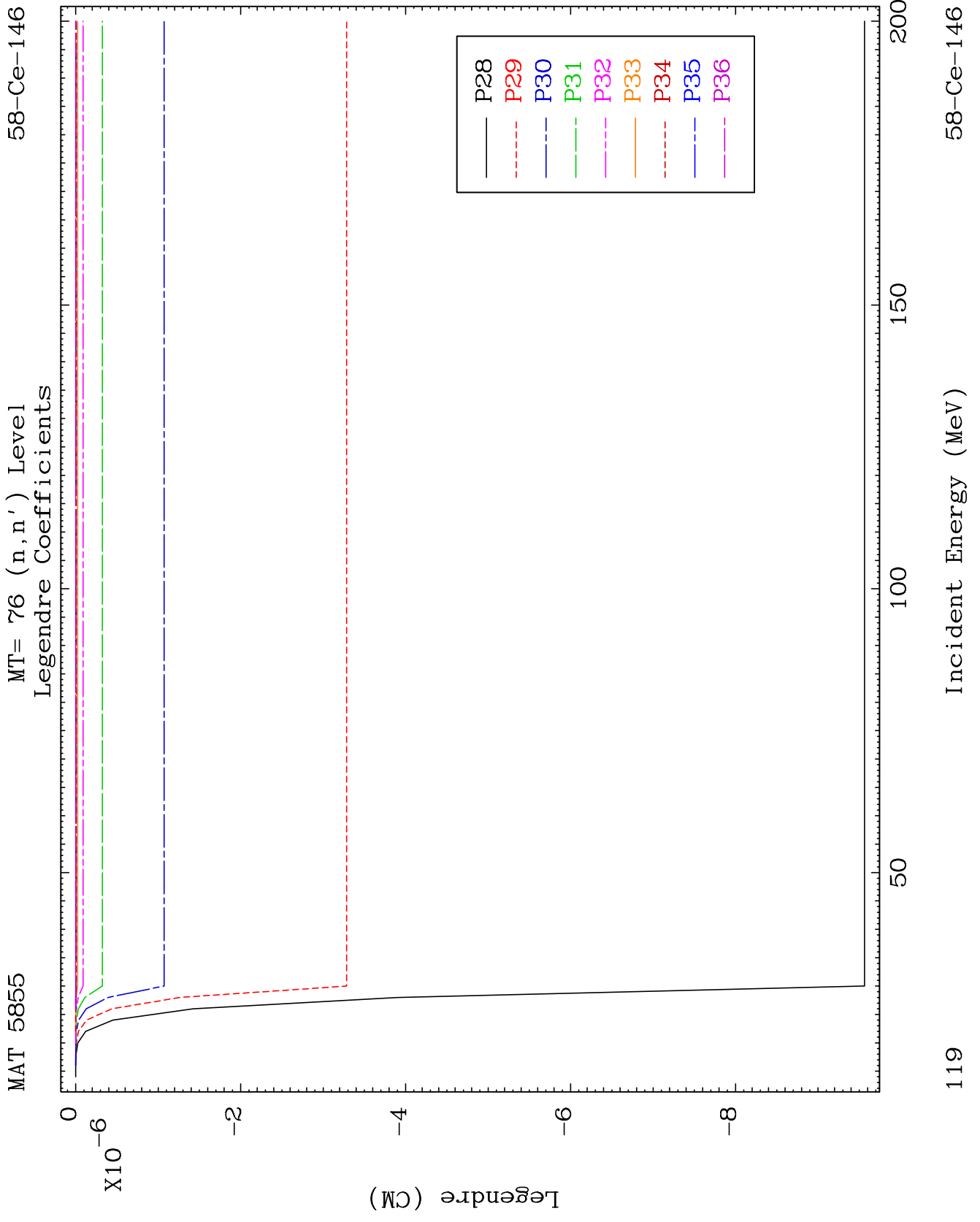


58-Ce-146

Incident Energy (MeV)

117



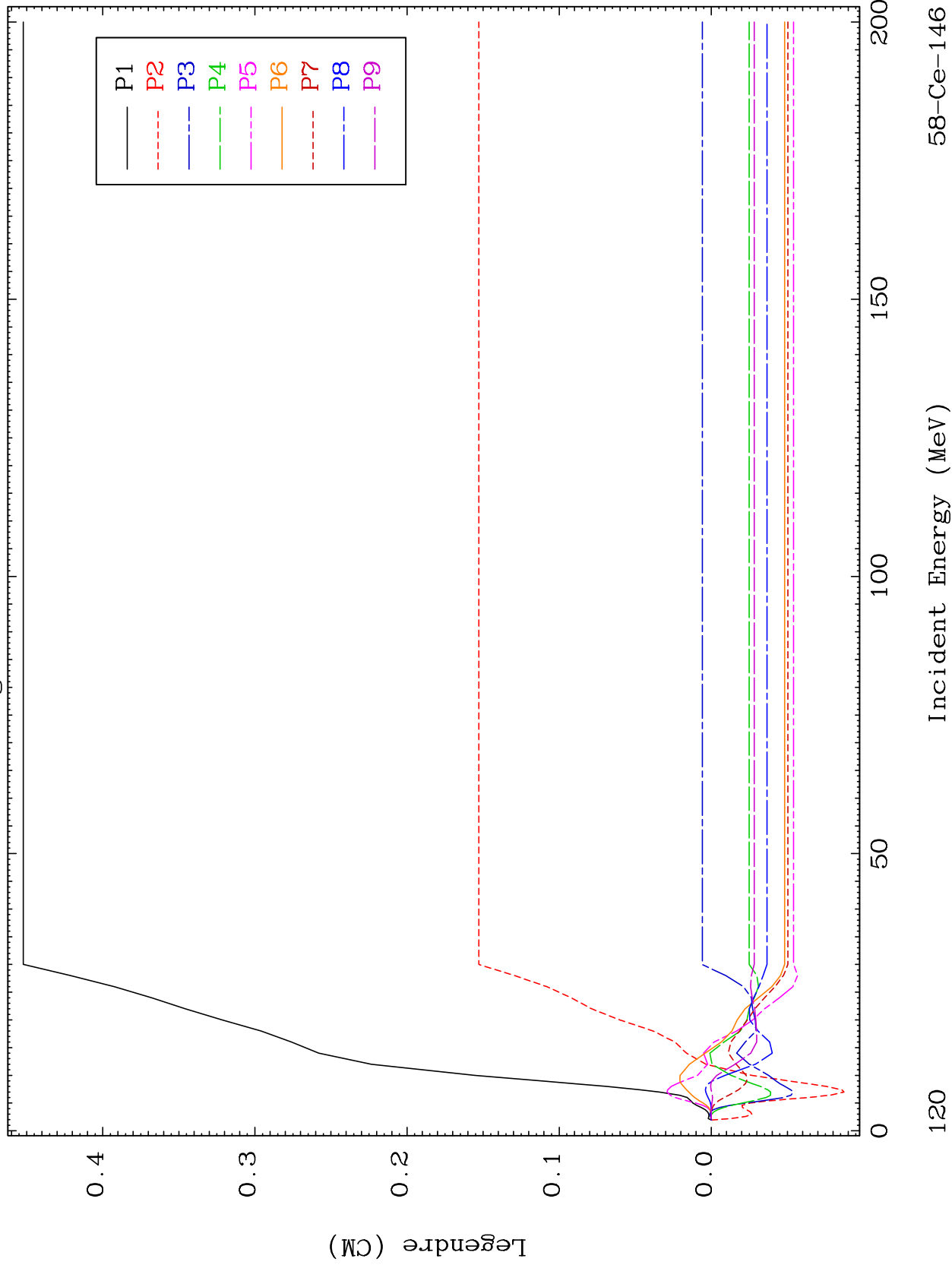




MAT 5855

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

58-Ce-146

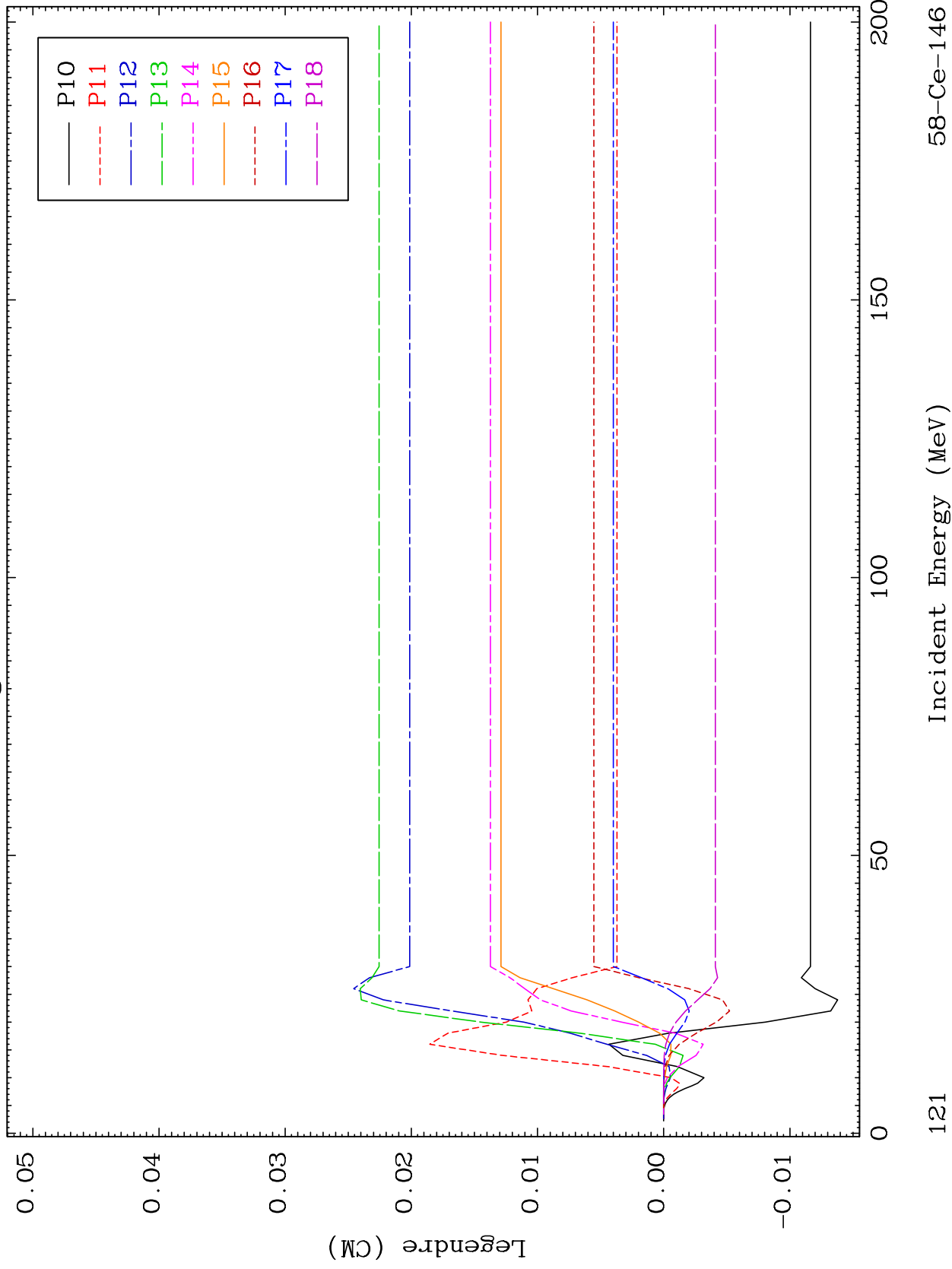


58-Ce-146

MAT 5855

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

58-Ce-146



58-Ce-146

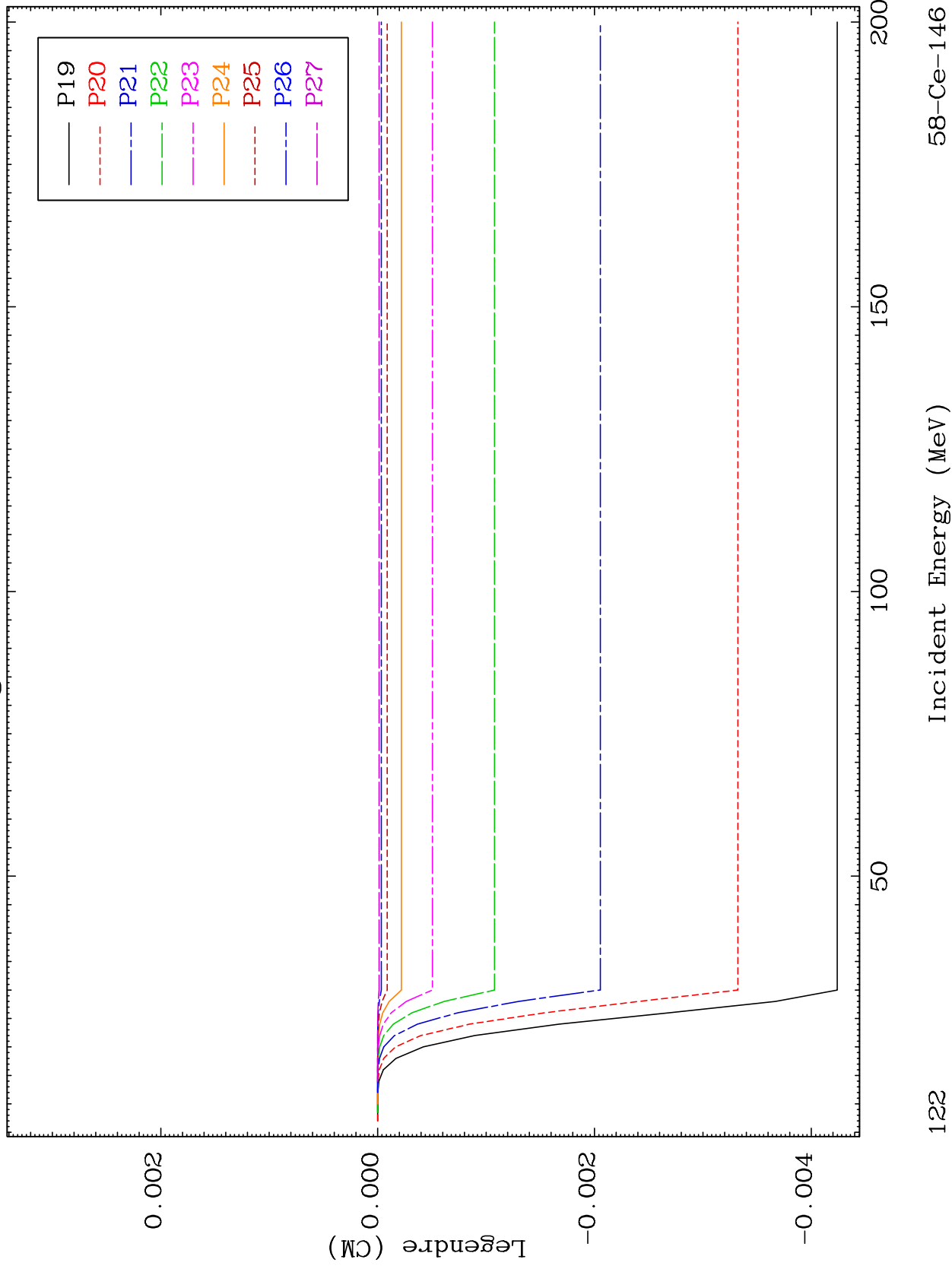
Incident Energy (MeV)

121

MAT 5855

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

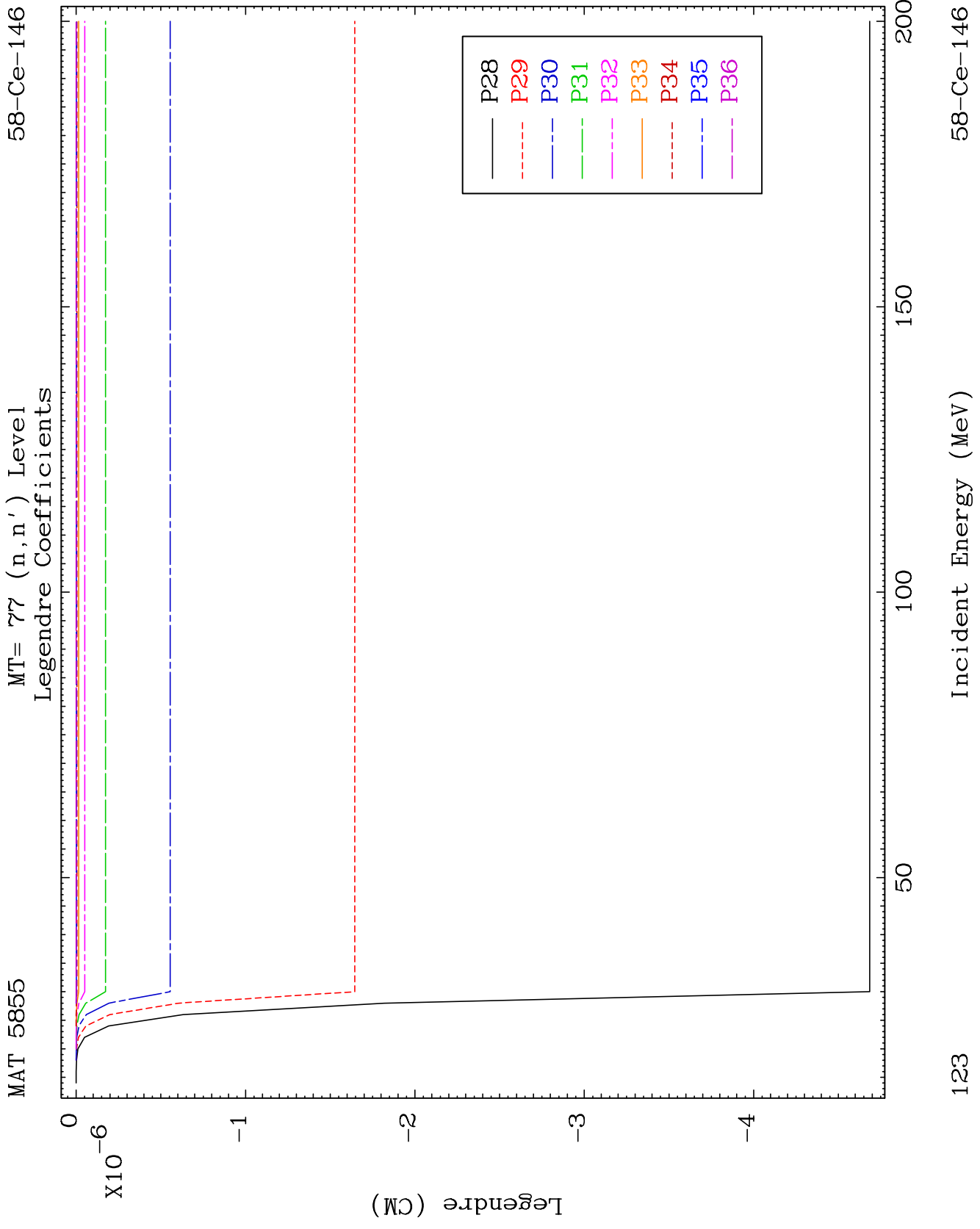
58-Ce-146



122

Incident Energy (MeV)

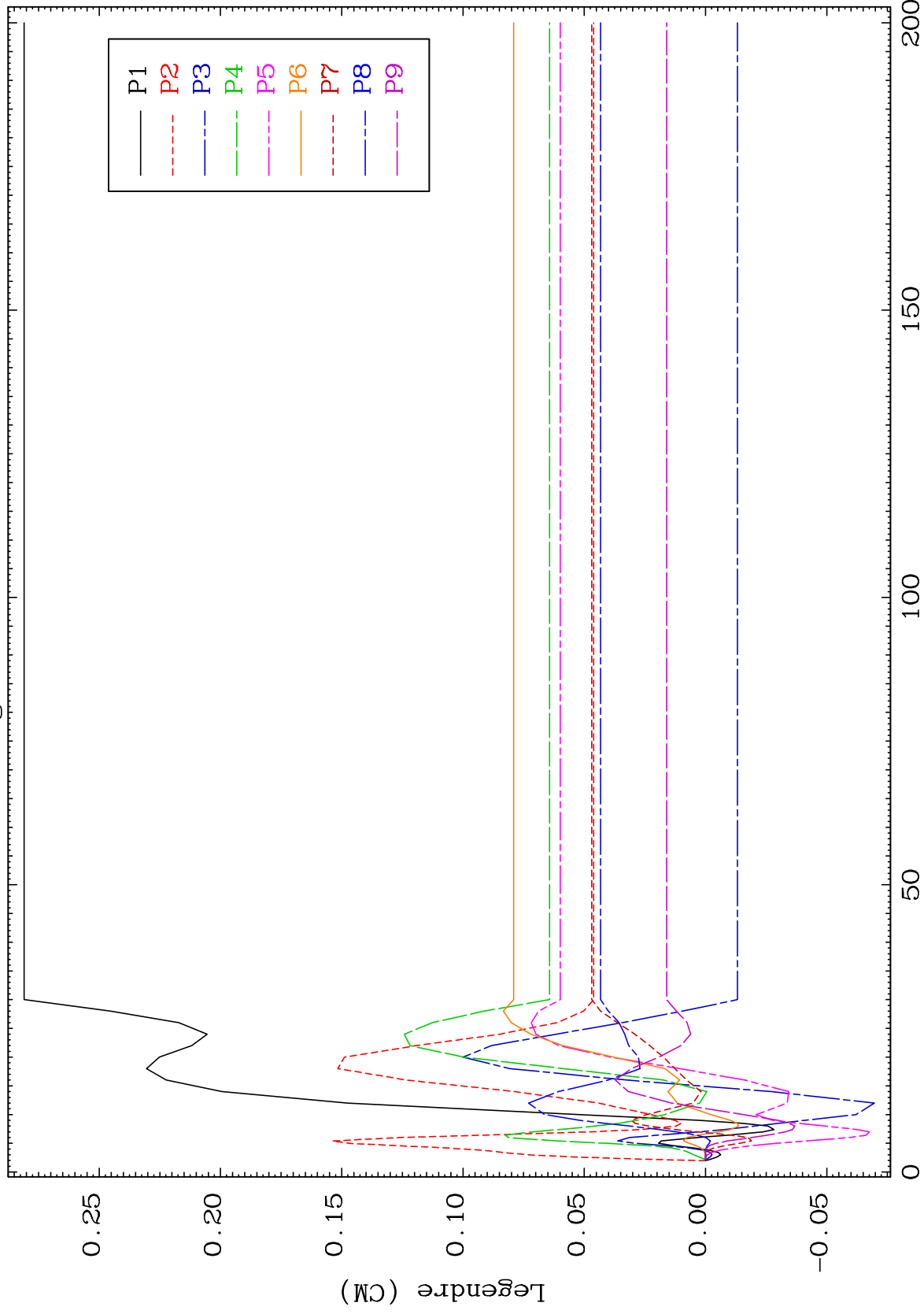
58-Ce-146



MAT 5855

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

58-Ce-146



124

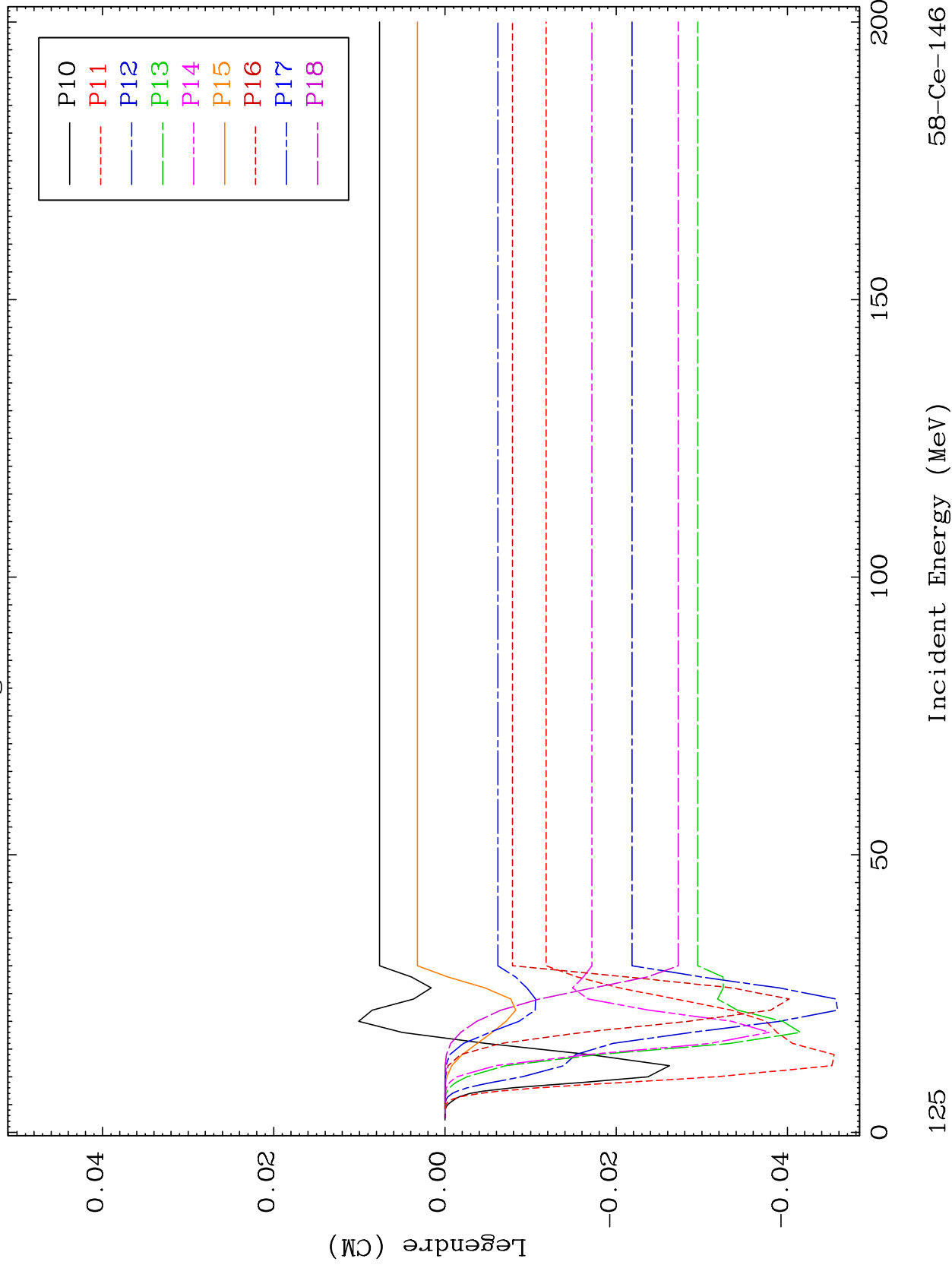
Incident Energy (MeV)

58-Ce-146

MAT 5855

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

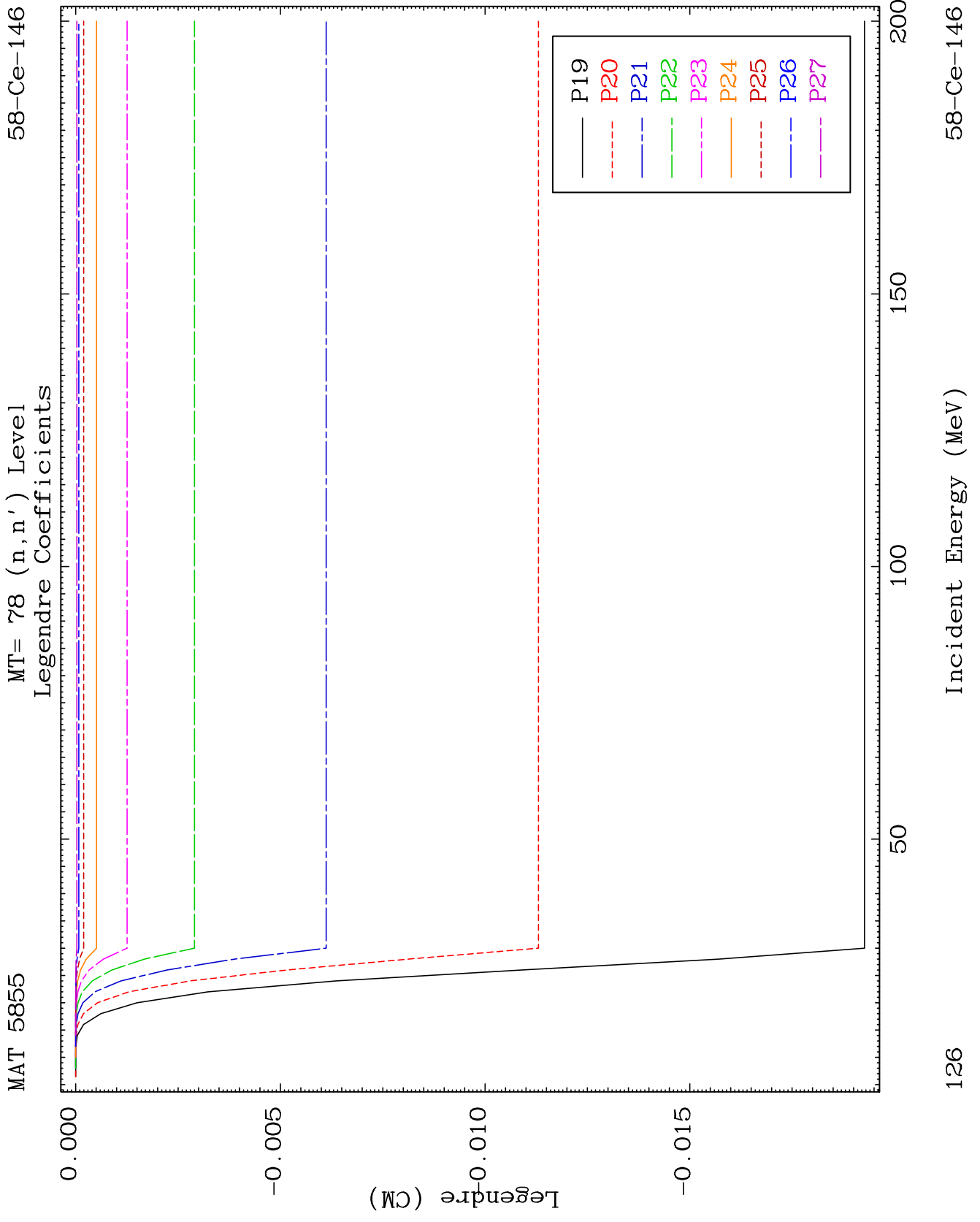
58-Ce-146

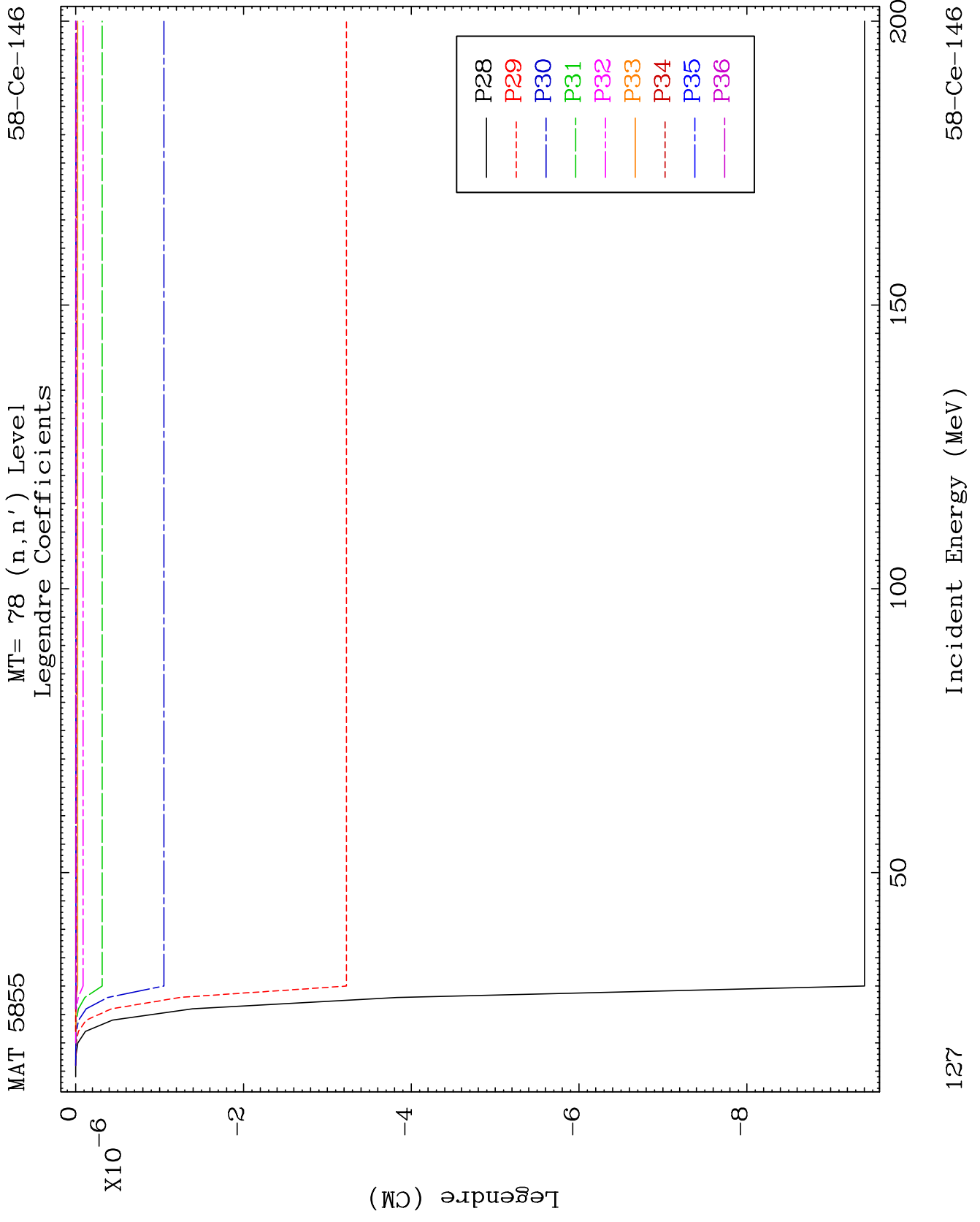


58-Ce-146

Incident Energy (MeV)

125



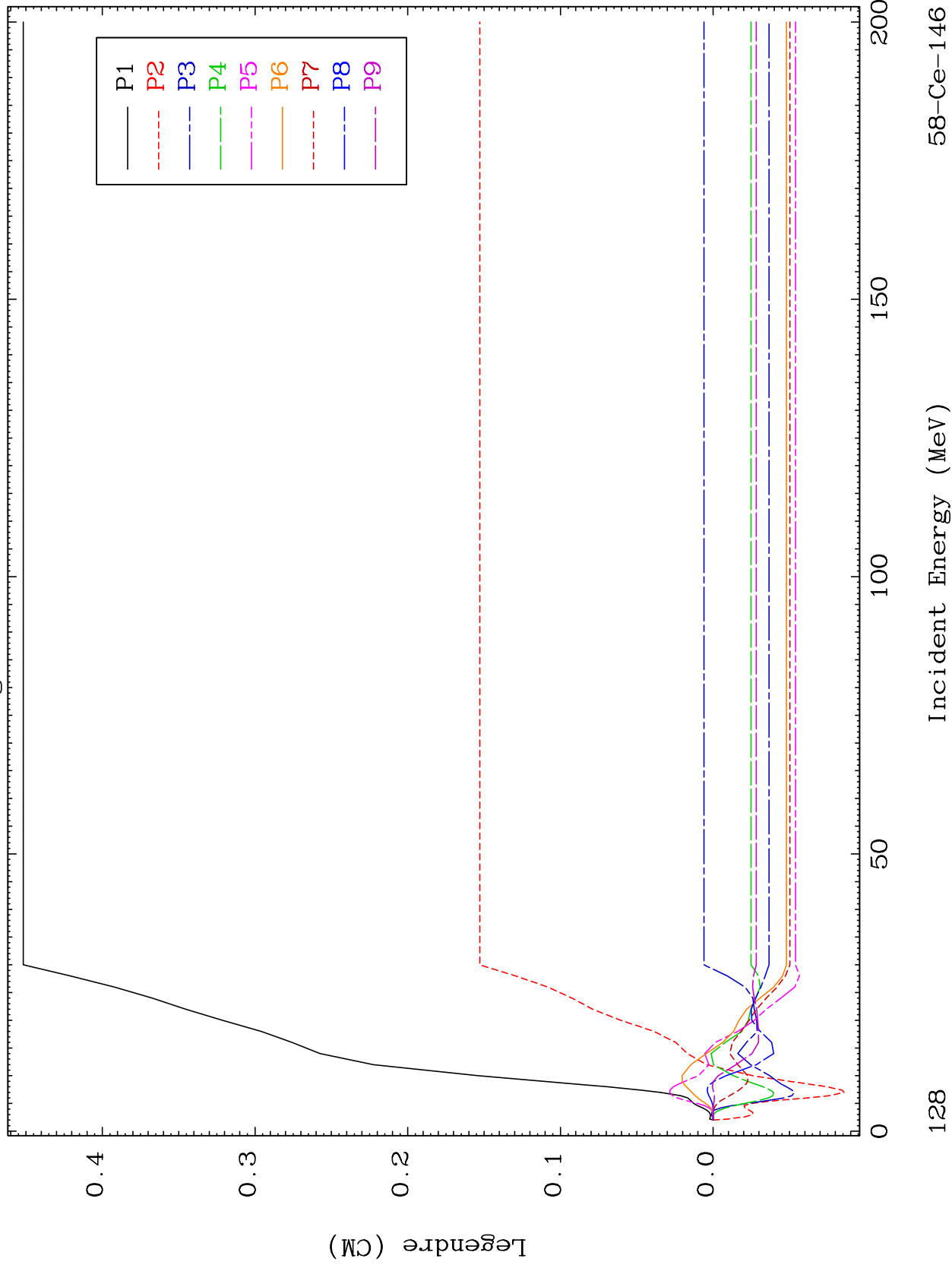




MAT 5855

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

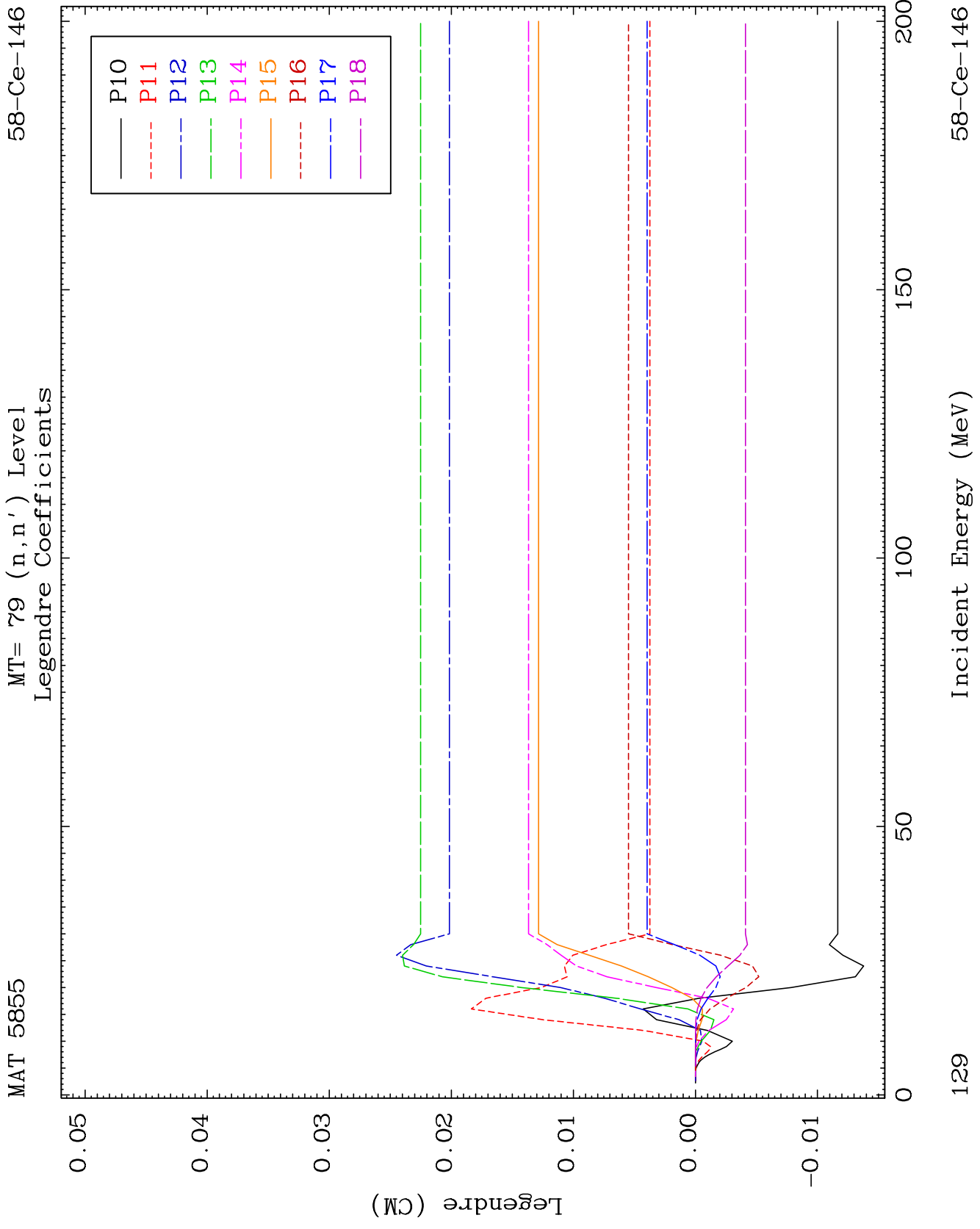
58-Ce-146



58-Ce-146

Incident Energy (MeV)

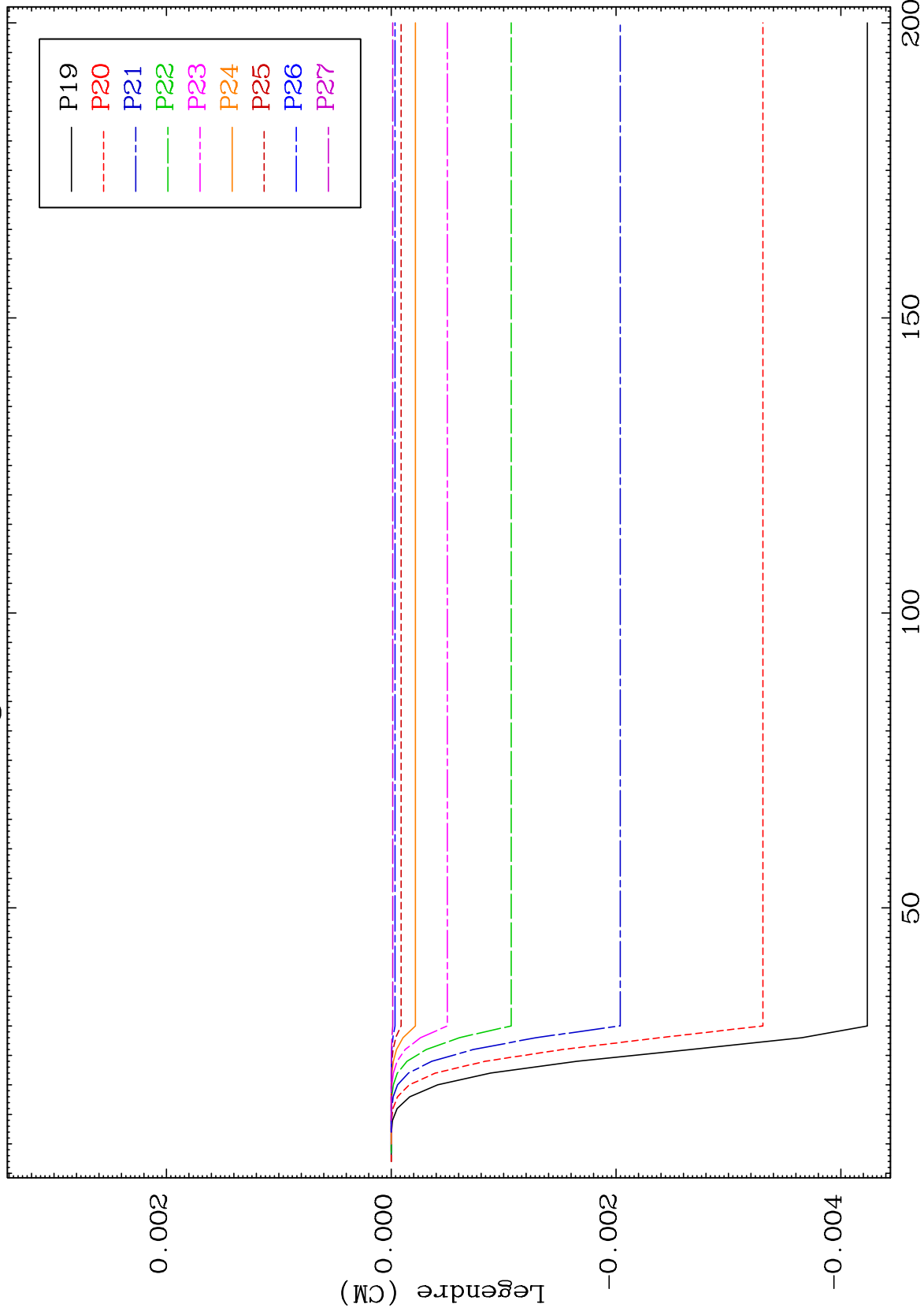
128



MAT 5855

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

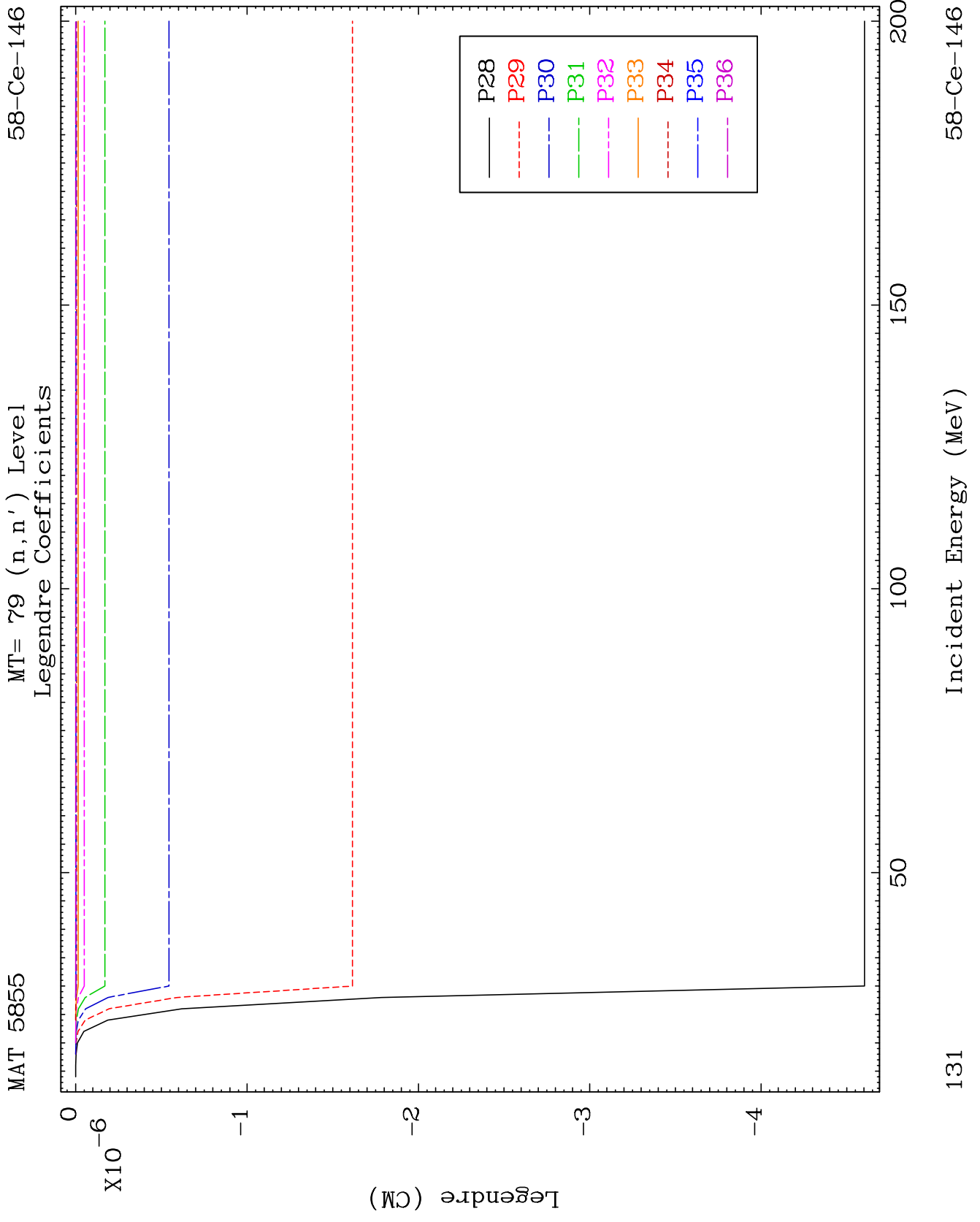
58-Ce-146



130

Incident Energy (MeV)

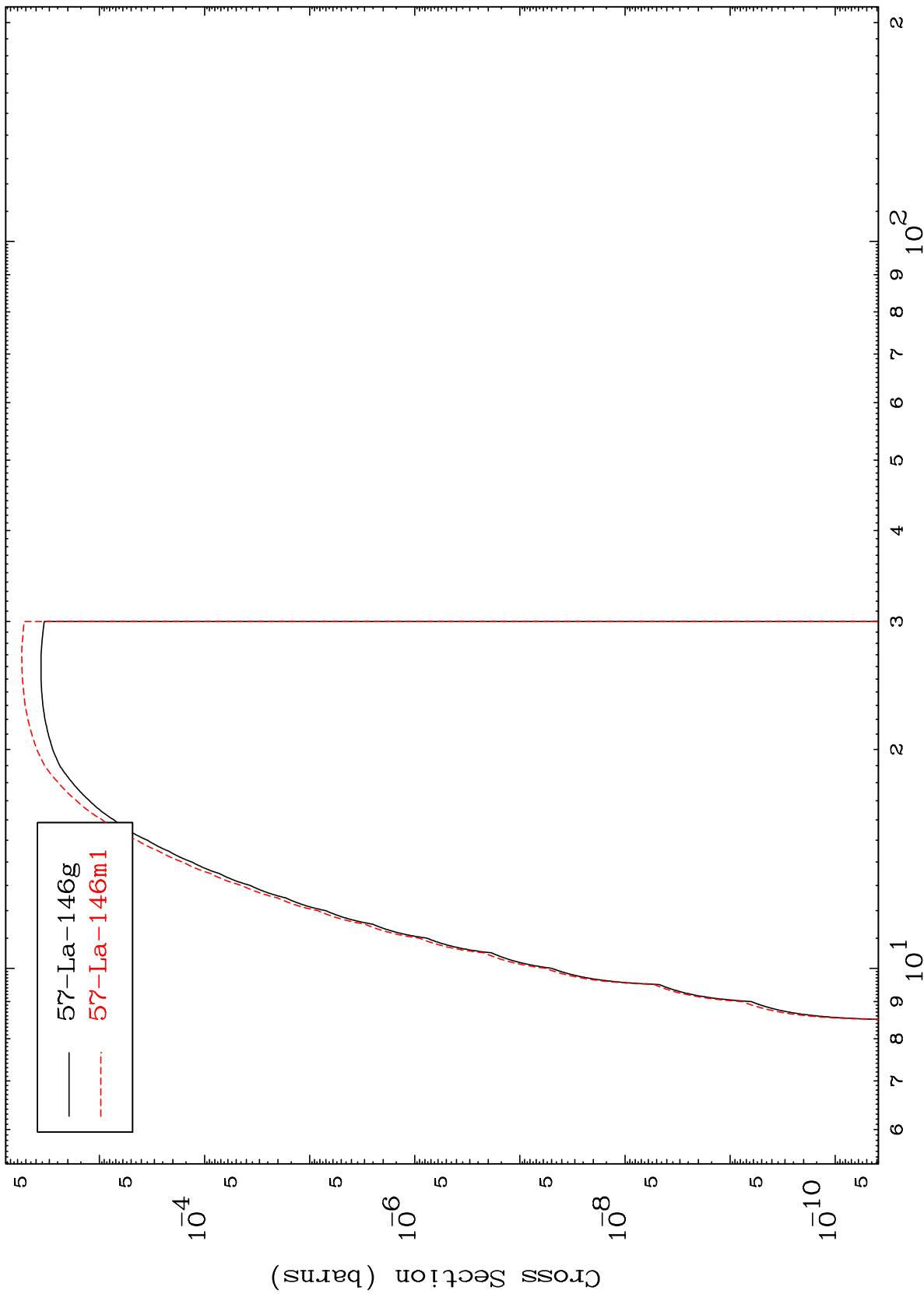
58-Ce-146



MAT 5855

58-Ce-146

(n,p)  
Radionuclide Production Cross Section



57-La-146g  
57-La-146m1

58-Ce-146

Incident Energy (MeV)

132