

Program EVALPLOT
(Version 2018-1)

by

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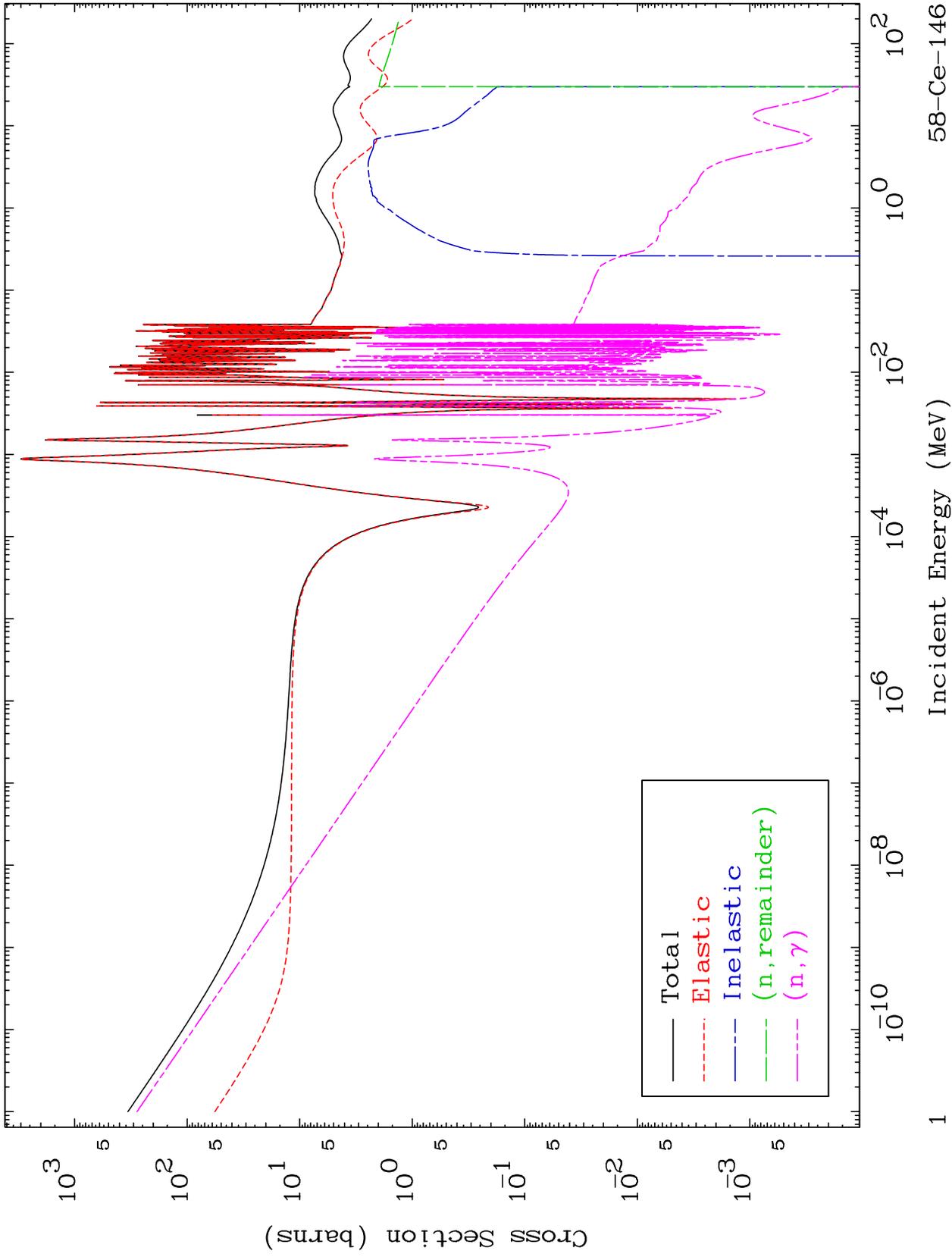
Press Mouse Button to Start

MAT 5855

Major

293 Kelvin Cross Sections

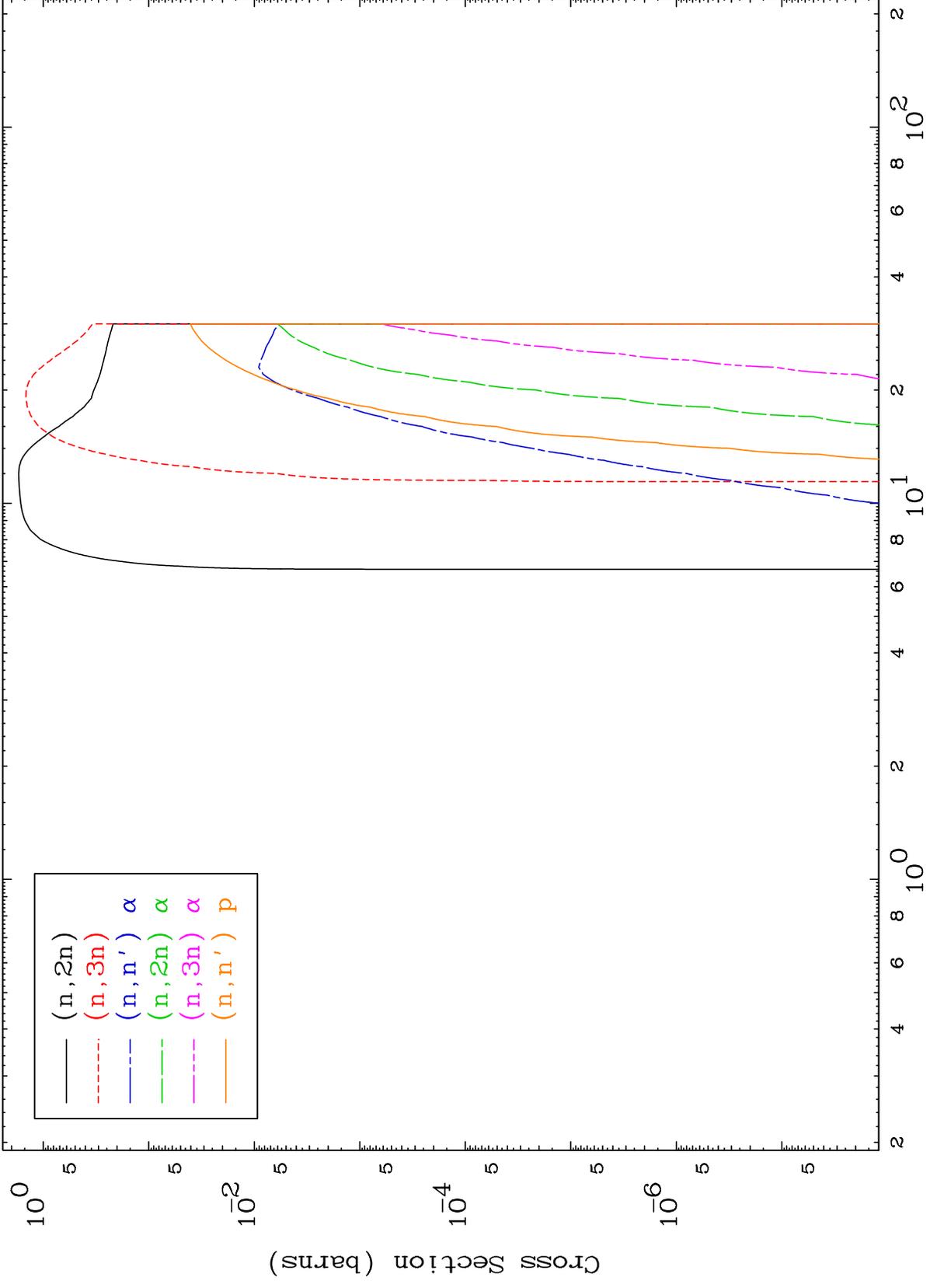
58-Ce-146



MAT 5855

Neutron Production
293 Kelvin Cross Sections

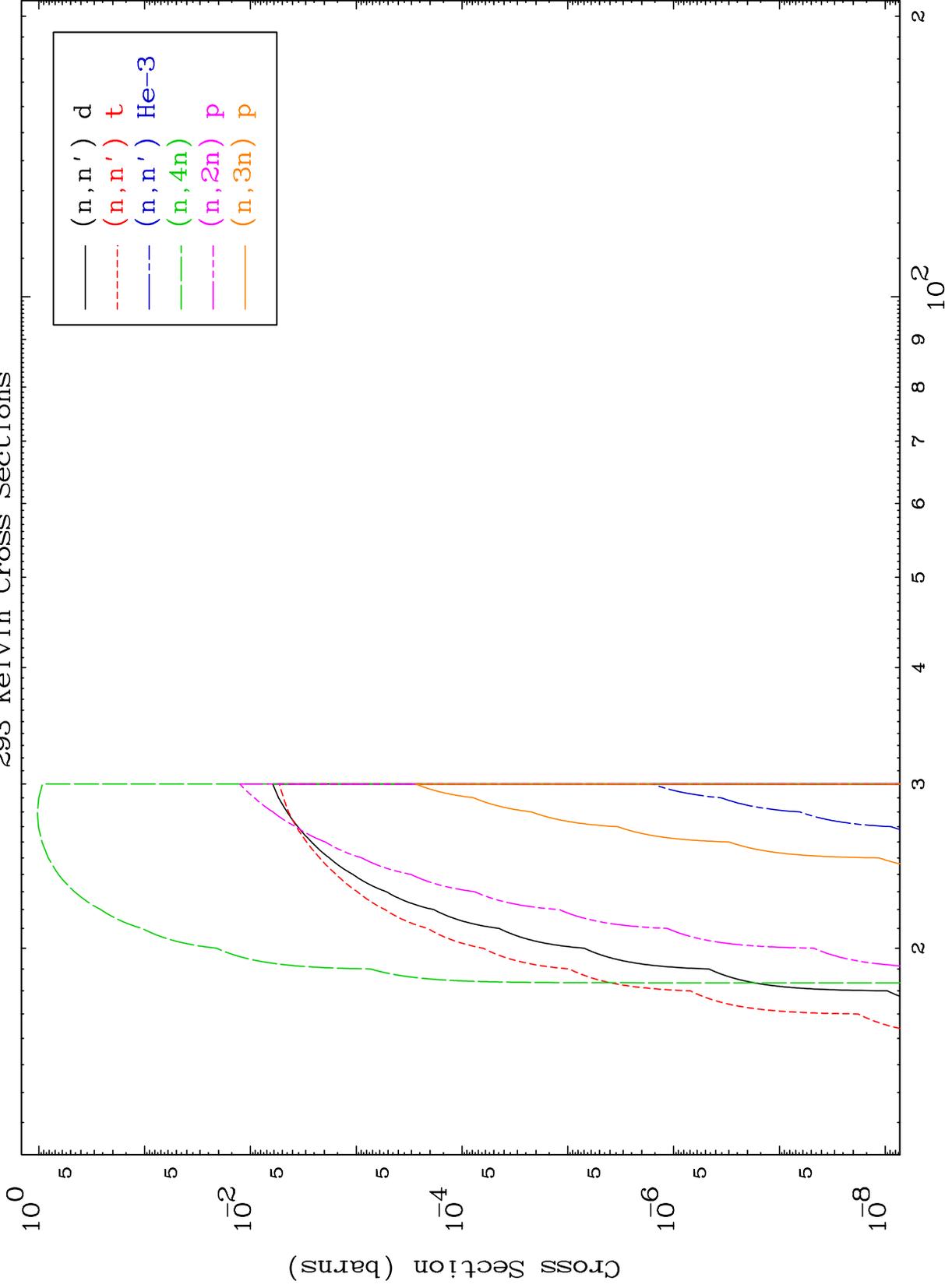
58-Ce-146



2

Incident Energy (MeV)

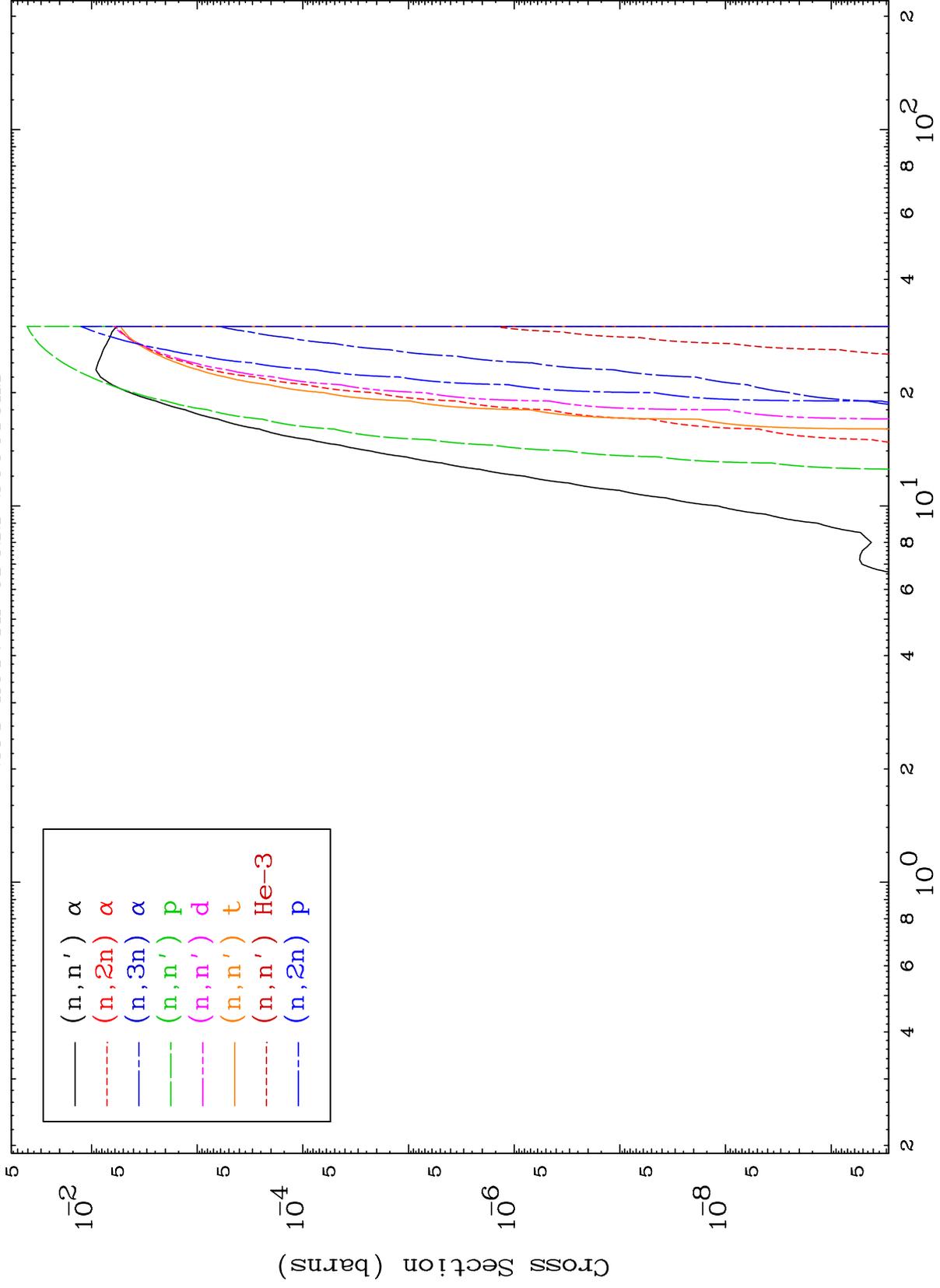
58-Ce-146



MAT 5855

Charged Particle
293 Kelvin Cross Sections

58-Ce-146



4

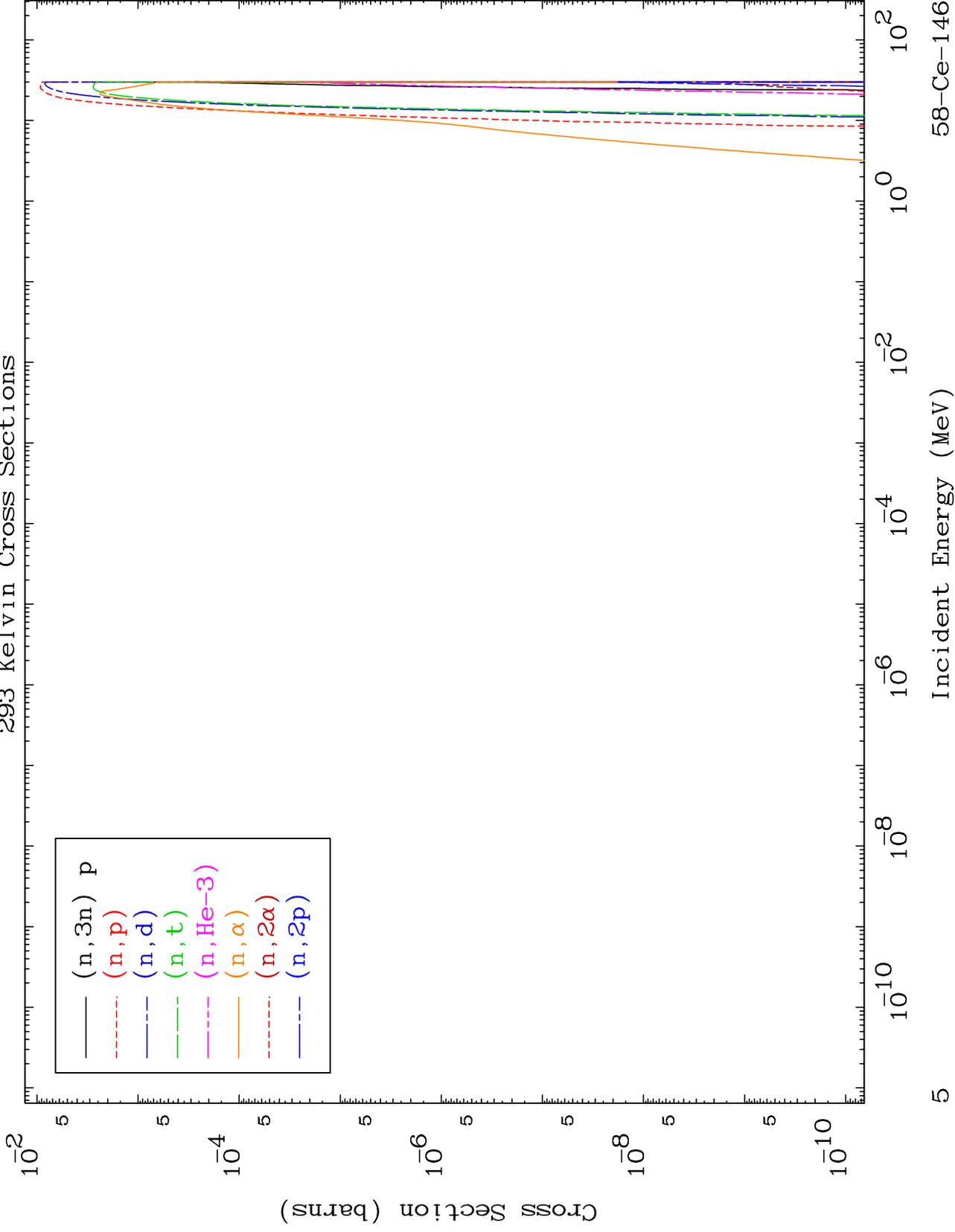
Incident Energy (MeV)

58-Ce-146

MAT 5855

Charged Particle
293 Kelvin Cross Sections

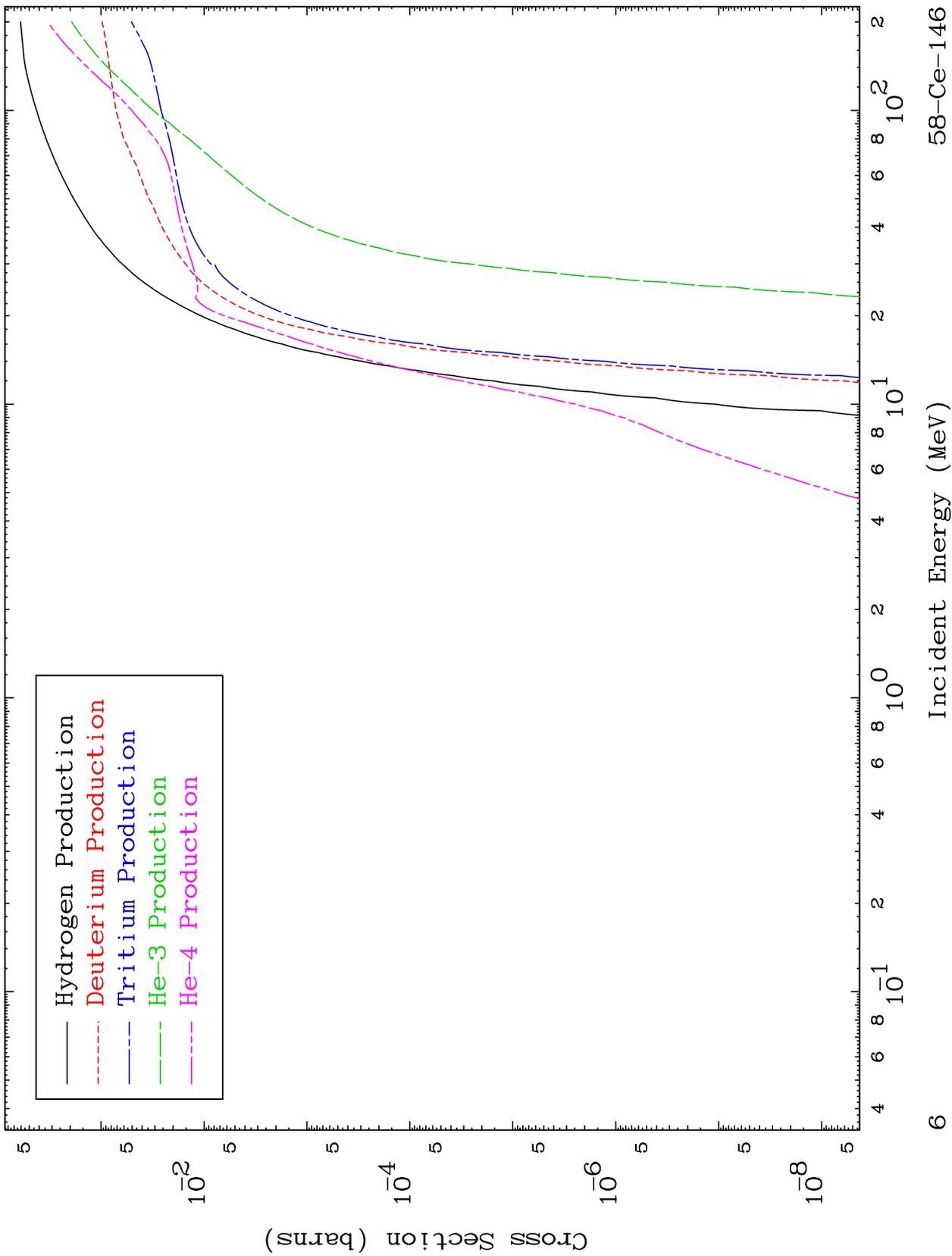
58-Ce-146



MAT 5855

Particle Production
293 Kelvin Cross Sections

58-Ce-146



6

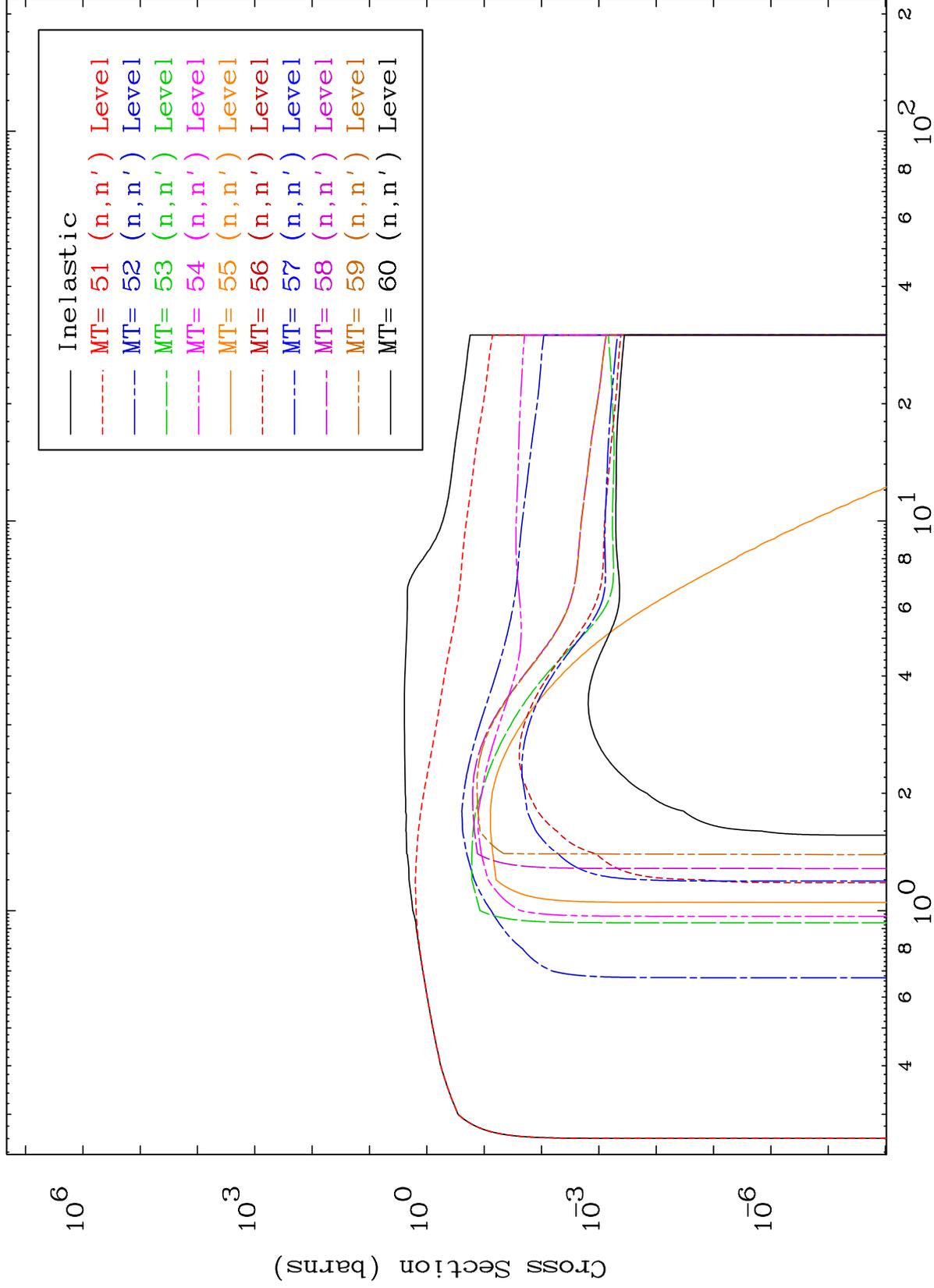
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MAT 5855

(n,n') Level

58-Ce-146

293 Kelvin Cross Sections

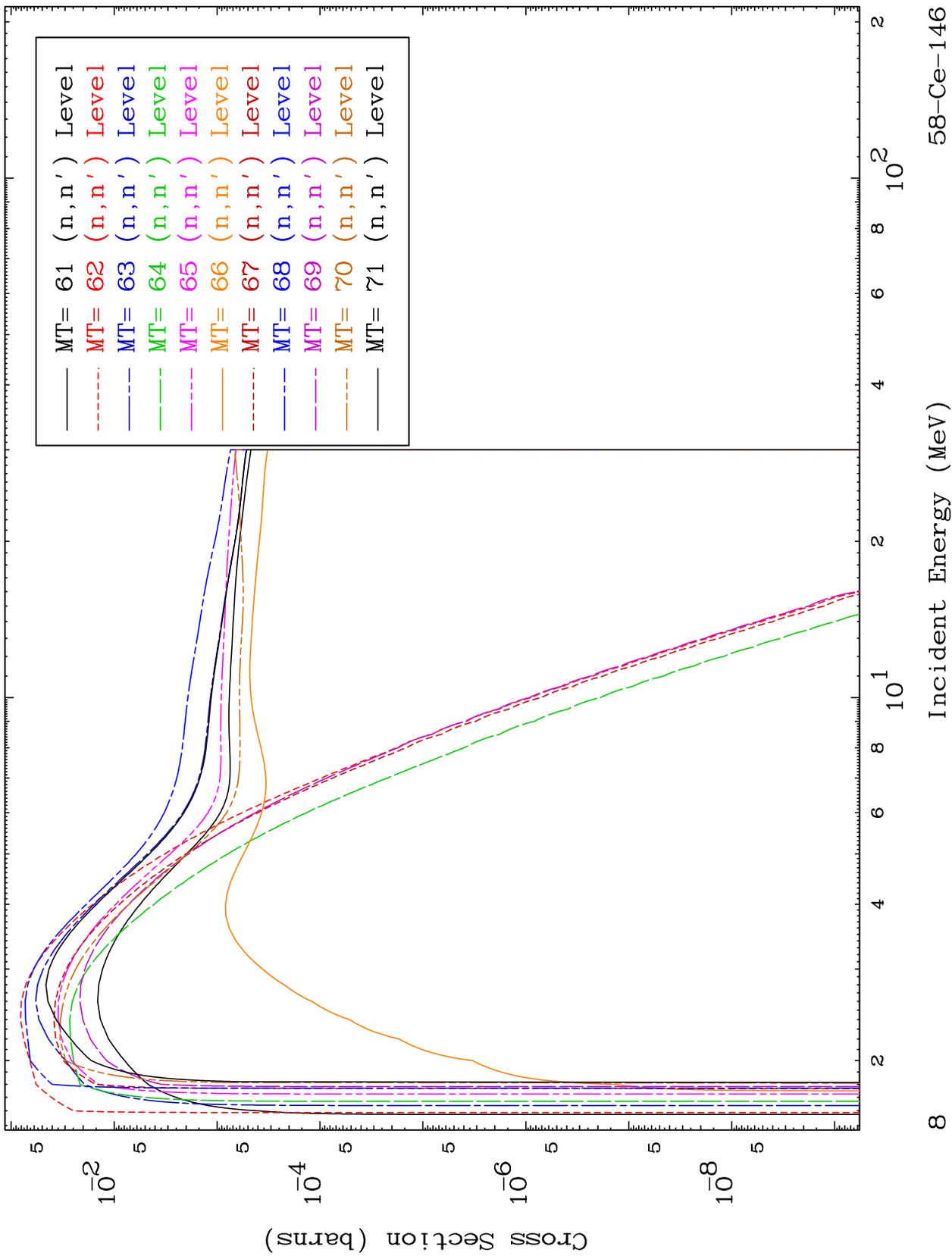


MAT 5855

(n,n') Level

58-Ce-146

293 Kelvin Cross Sections

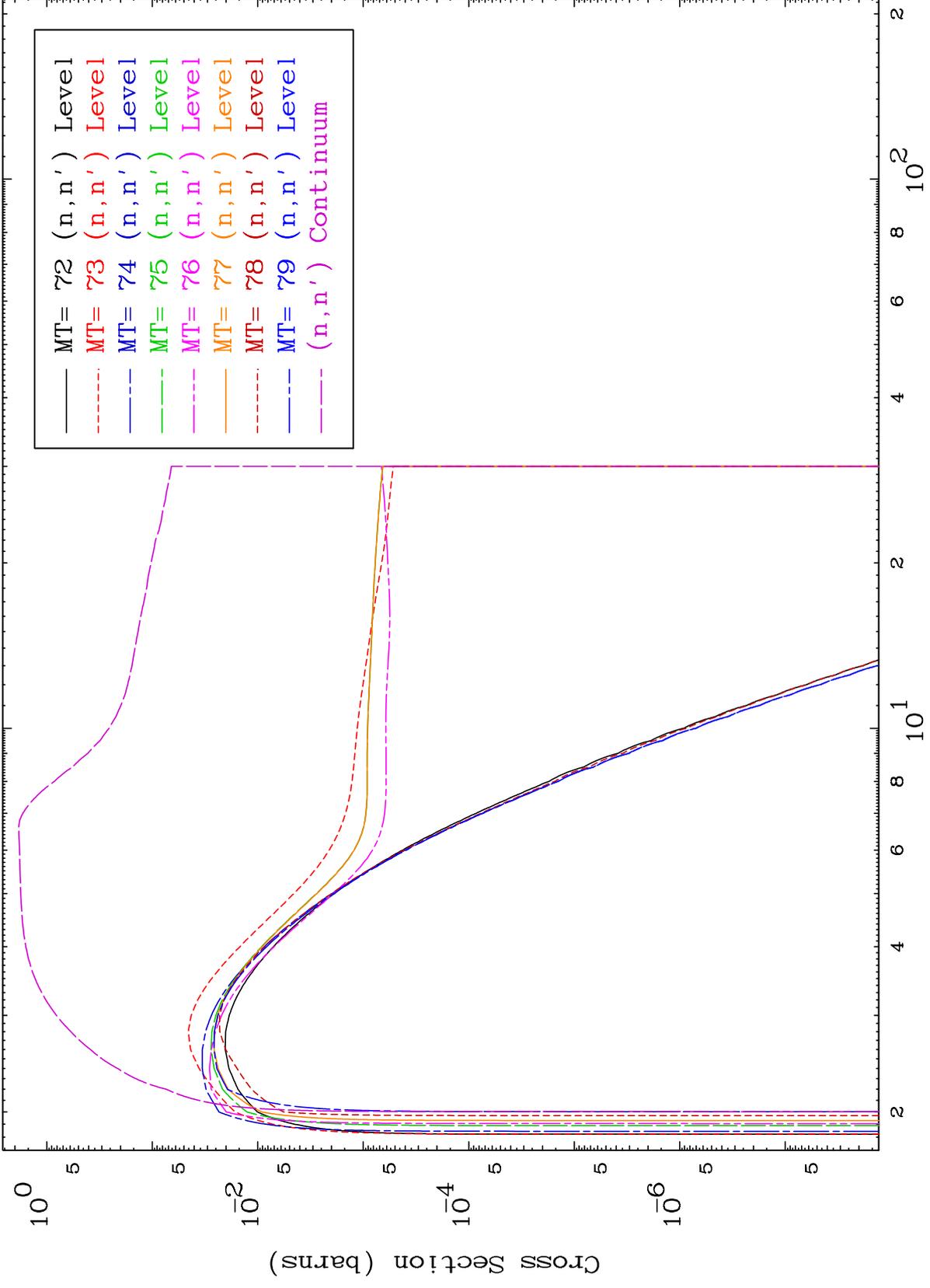


8

Incident Energy (MeV)

58-Ce-146

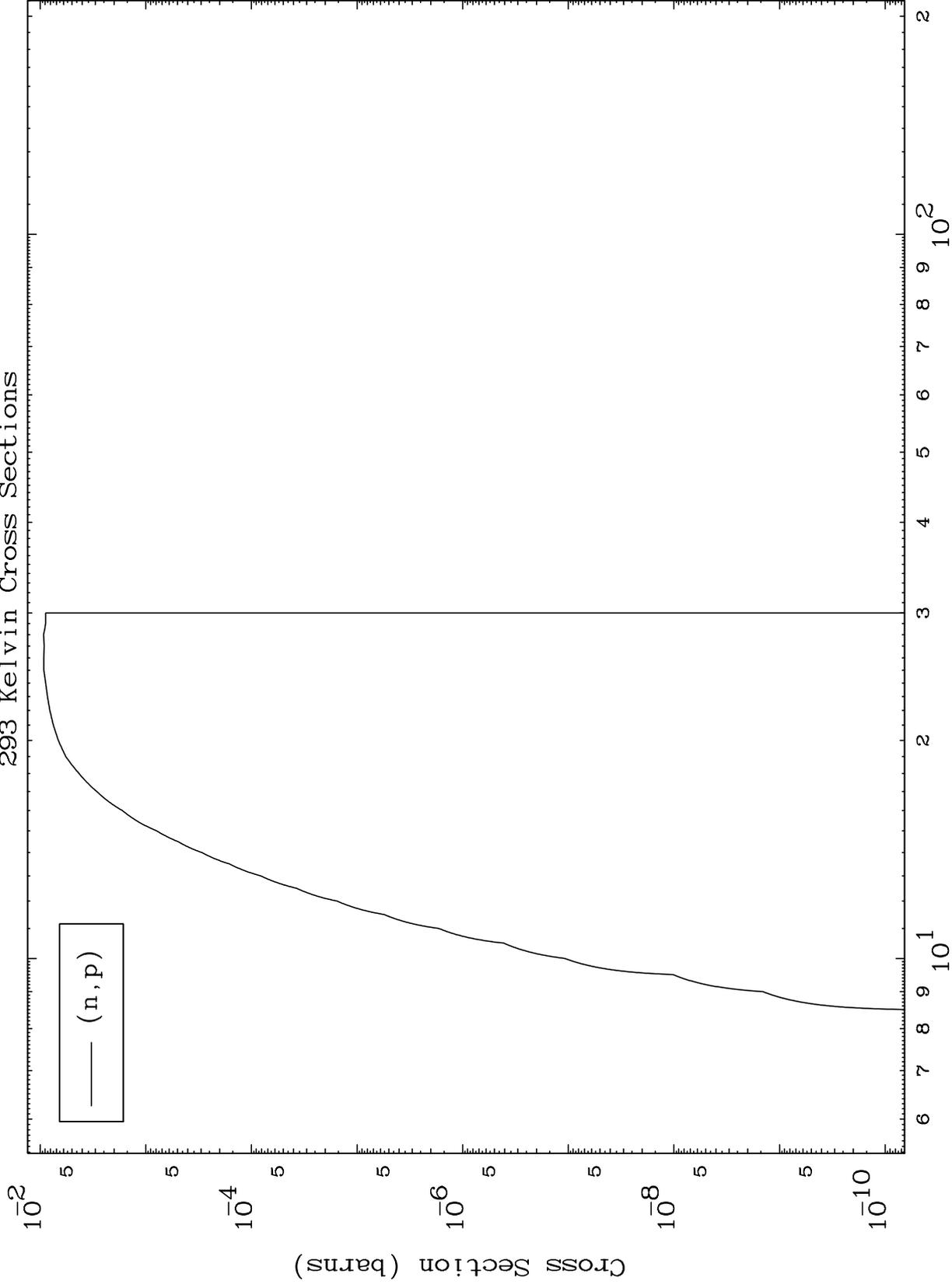
293 Kelvin Cross Sections



MAT 5855

(n,p) Levels
293 Kelvin Cross Sections

58-Ce-146



10

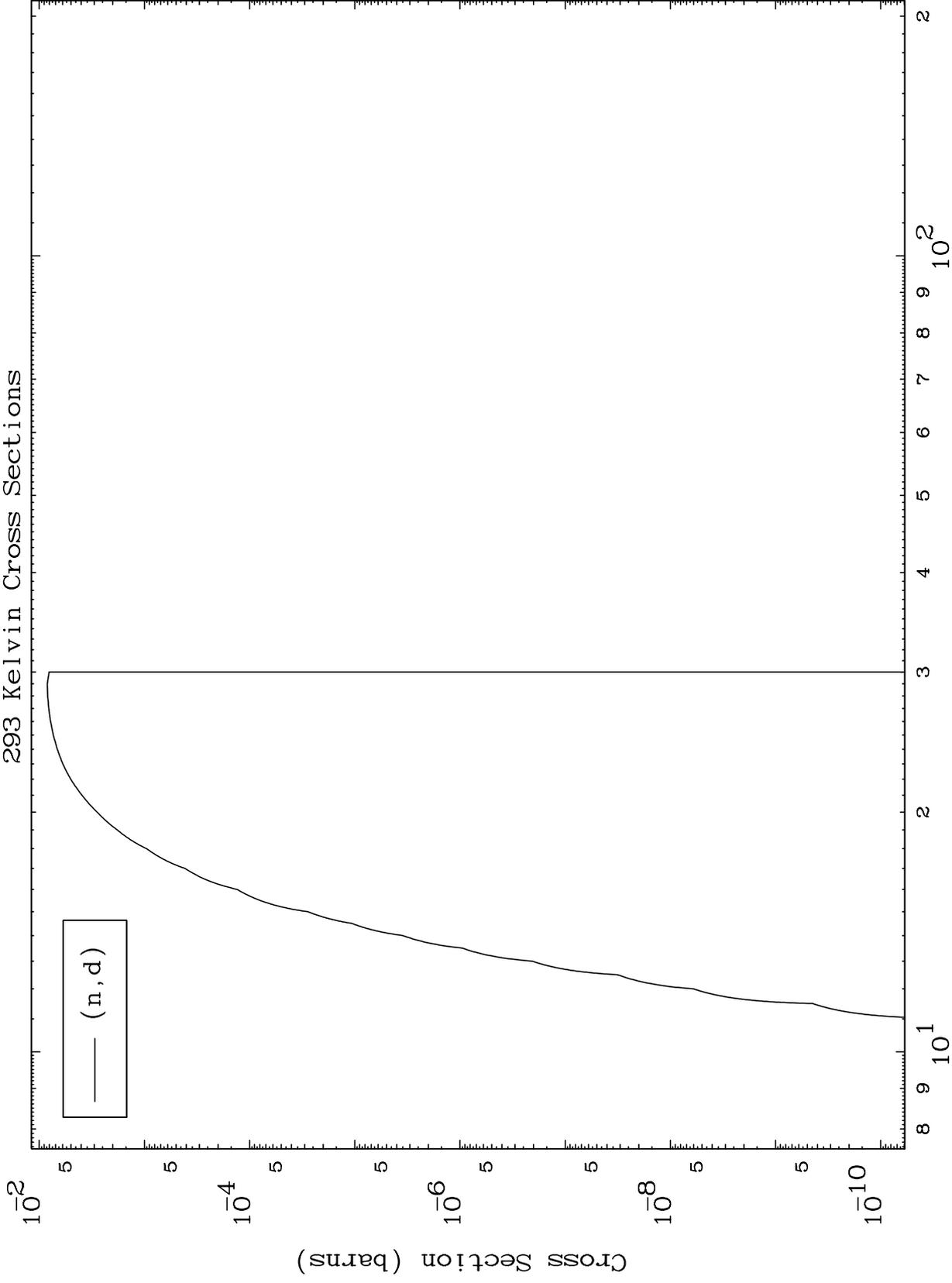
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58-Ce-146

MAT 5855

(n,d) Levels
293 Kelvin Cross Sections

58-Ce-146



11

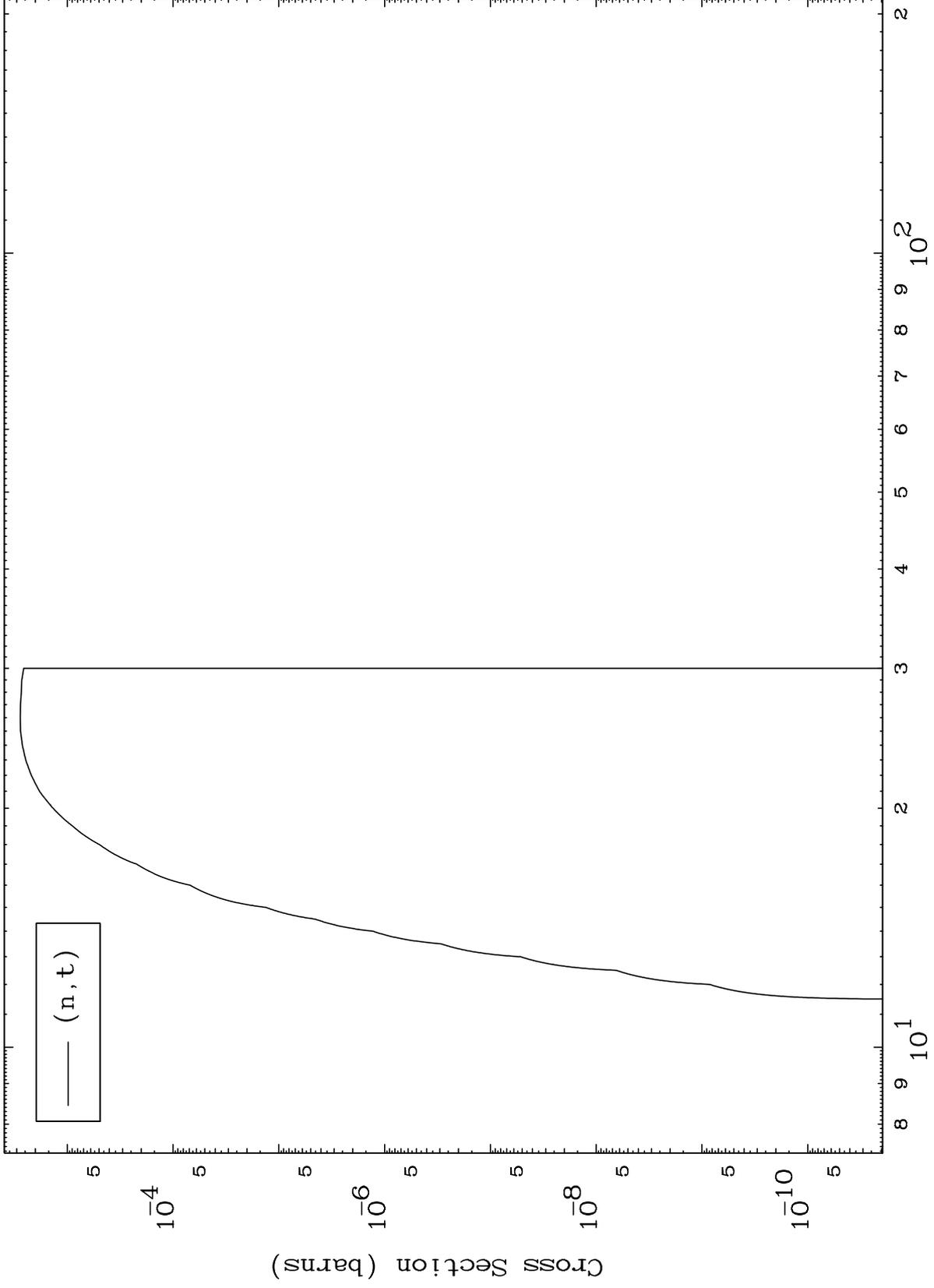
Incident Energy (MeV)

58-Ce-146

MAT 5855

(n,t) Levels
293 Kelvin Cross Sections

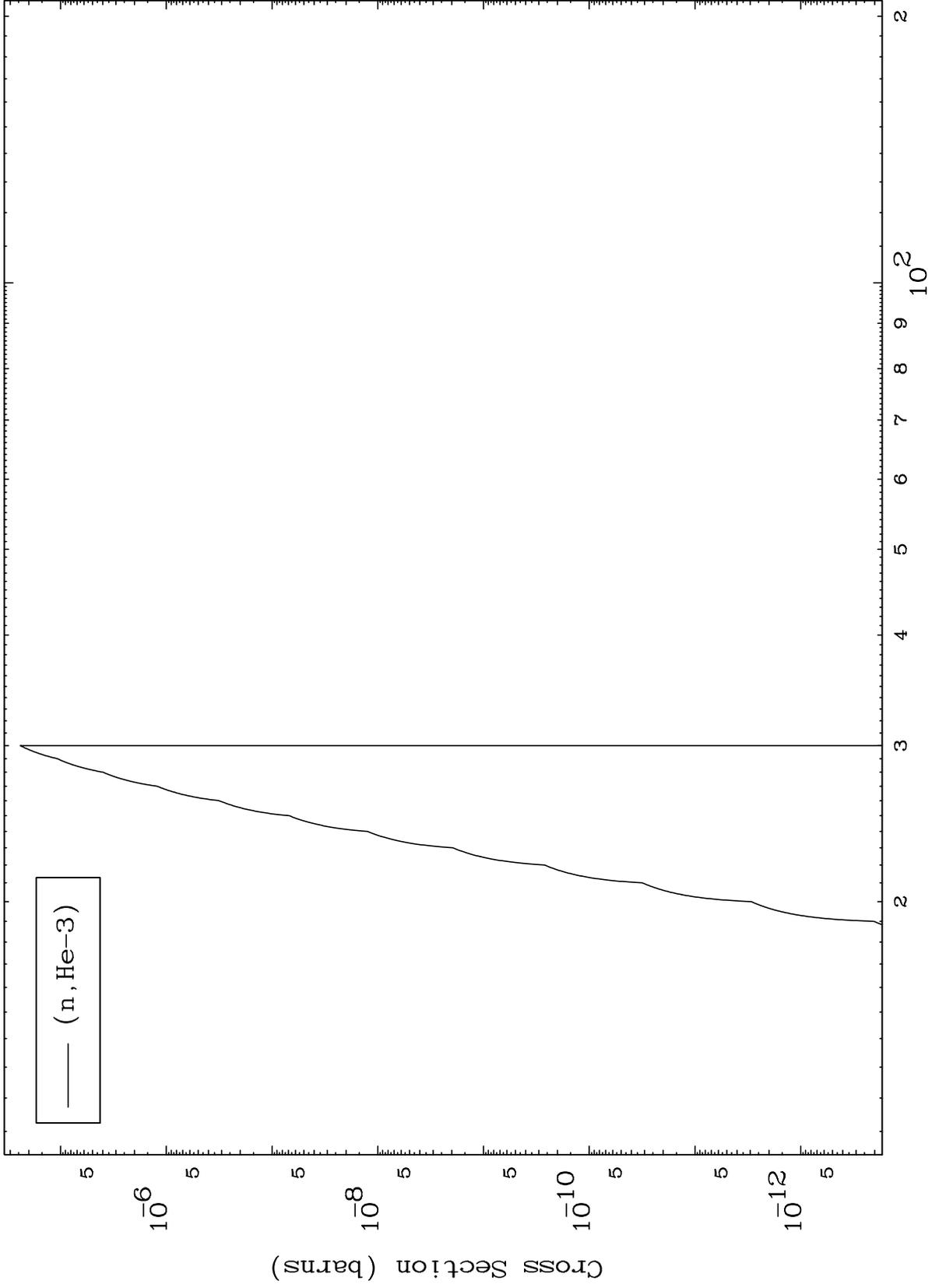
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12

Incident Energy (MeV)

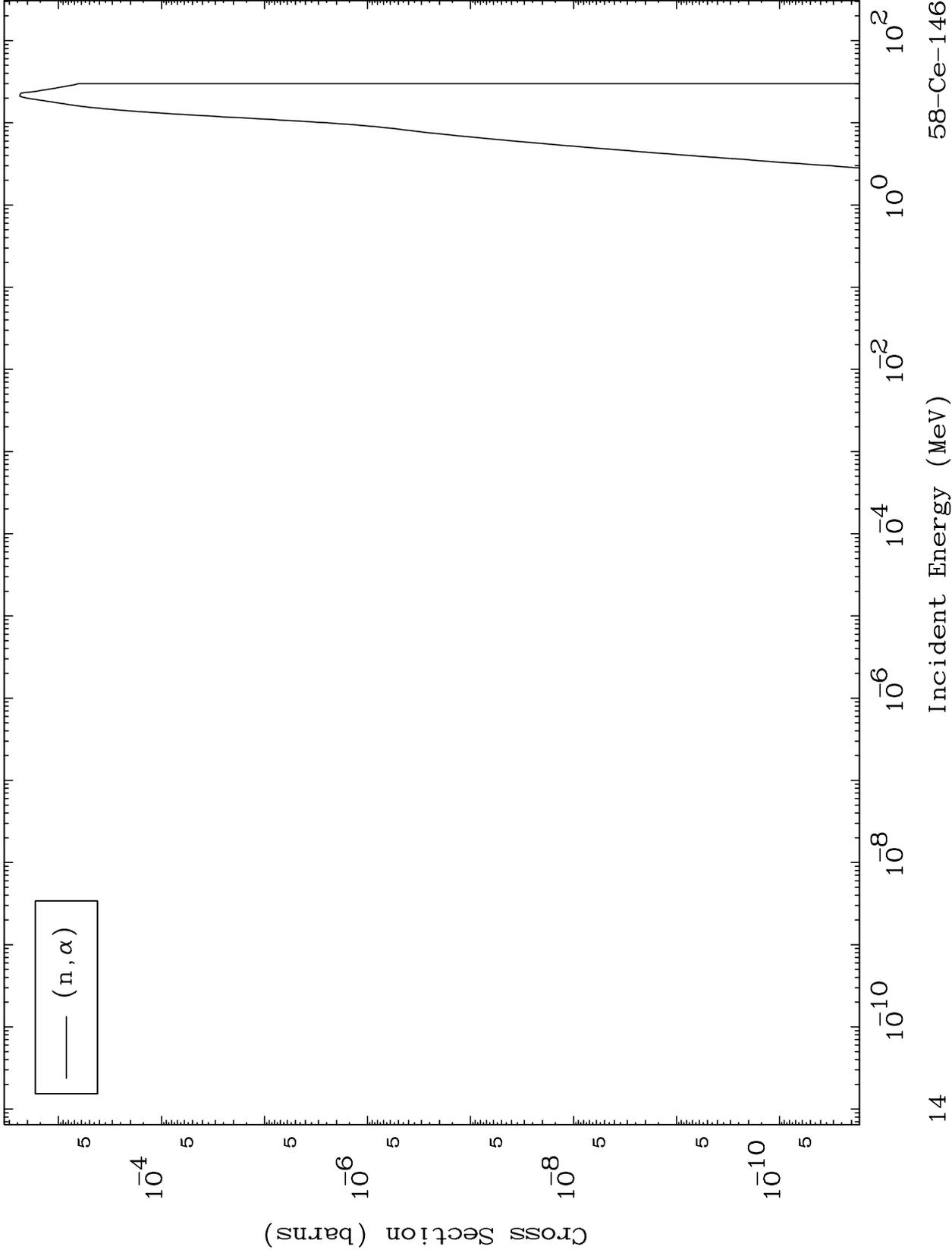
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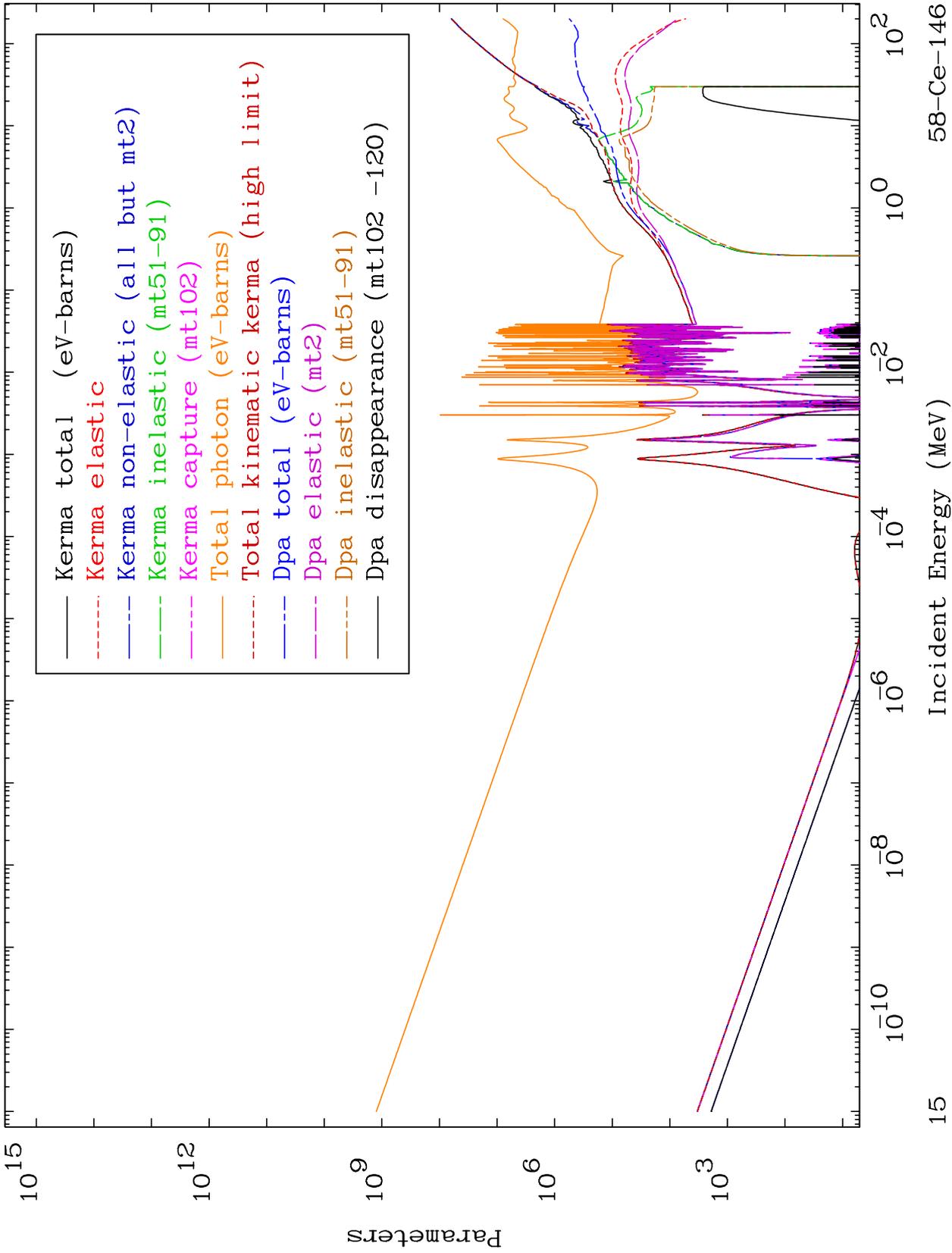


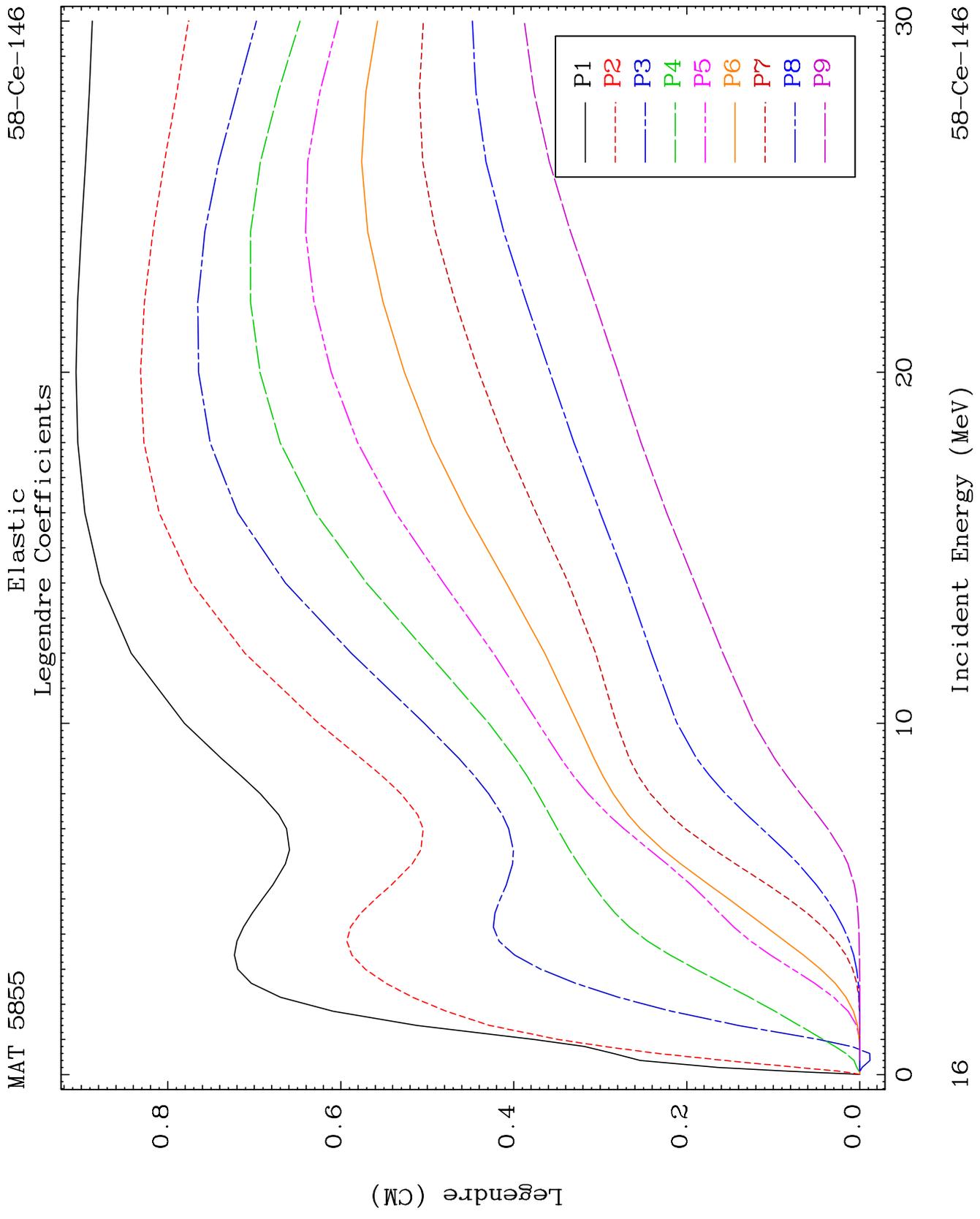
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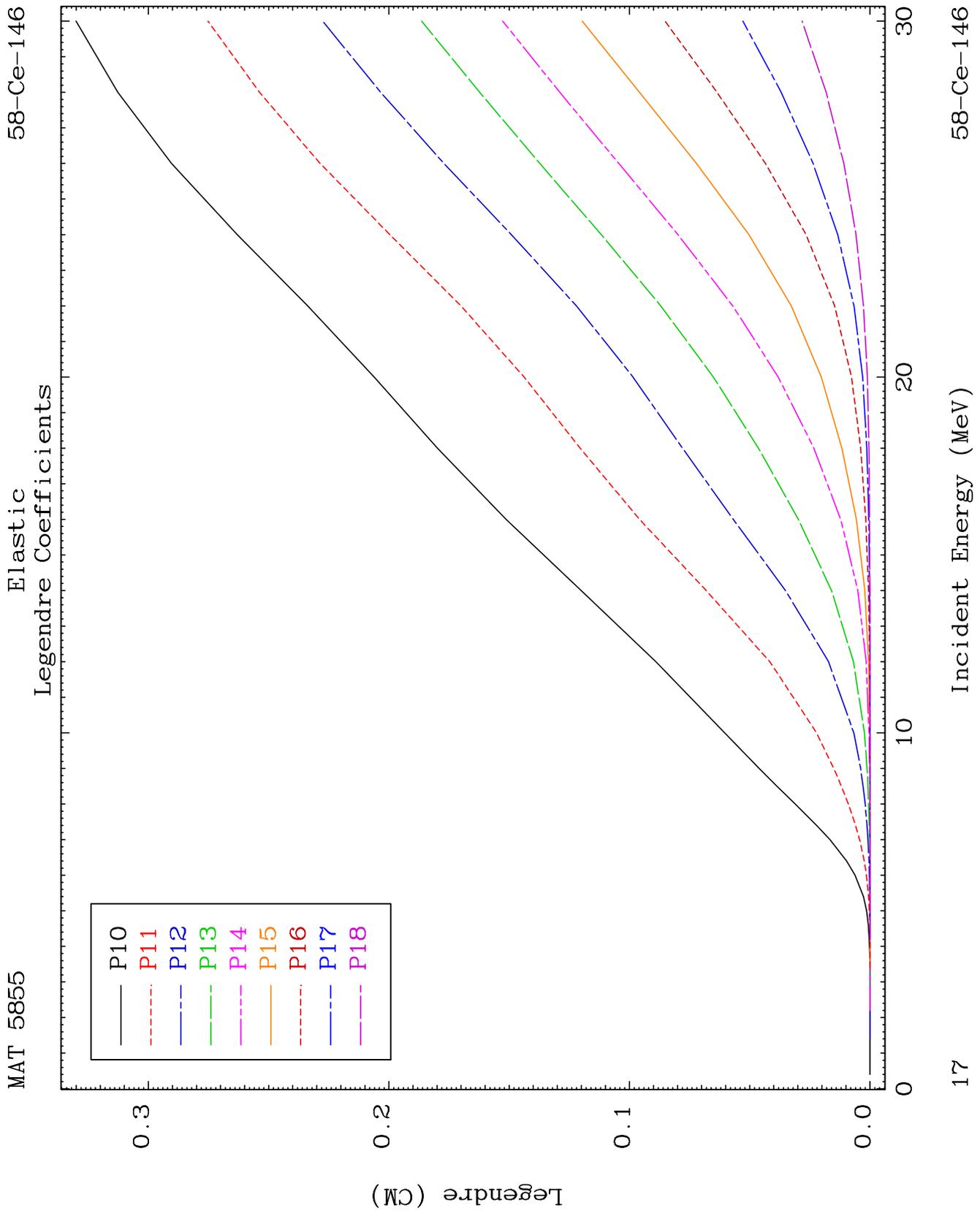
(n, α) Levels
293 Kelvin Cross Sections

58-Ce-146





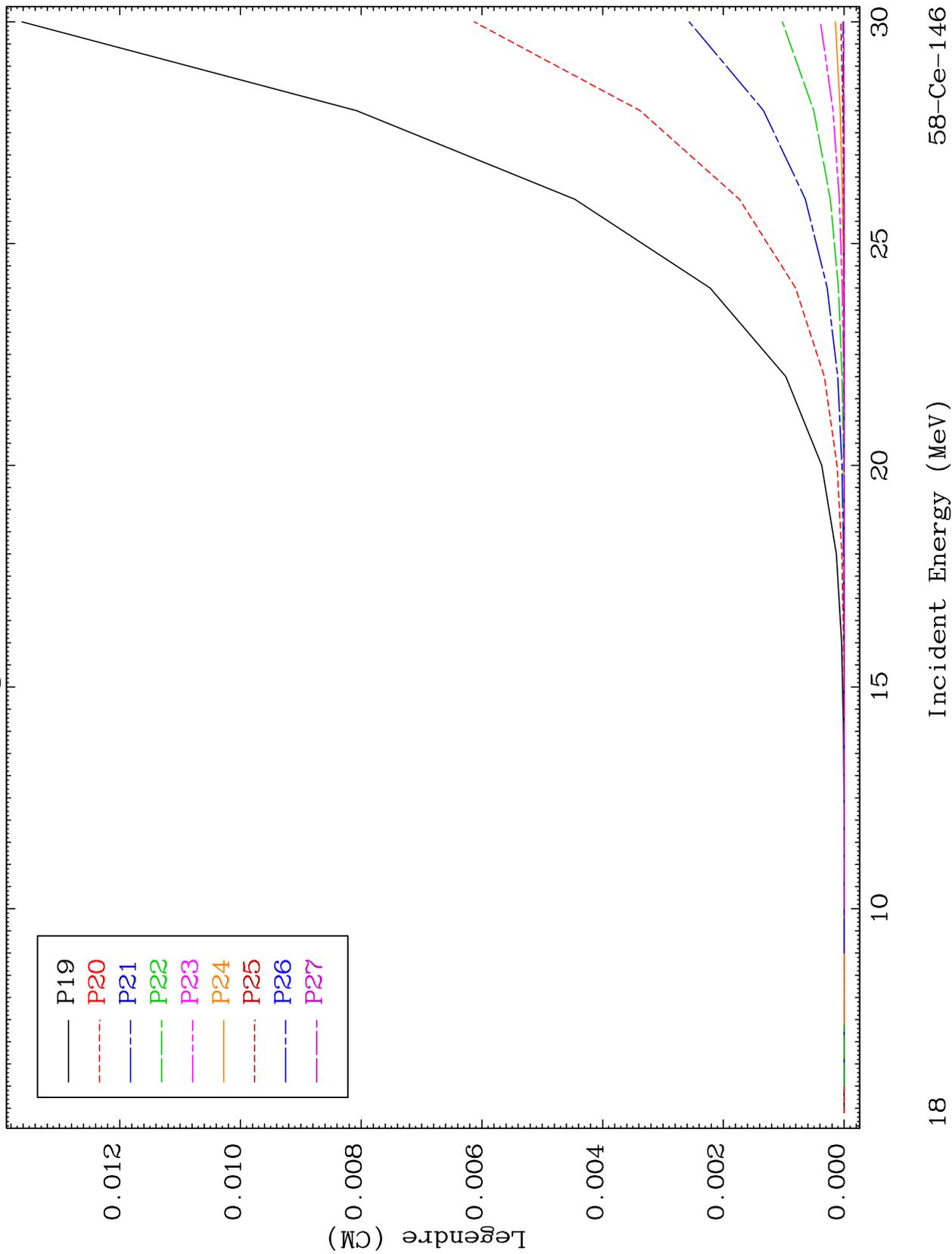




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Elastic Legendre Coefficients

58-Ce-146



18

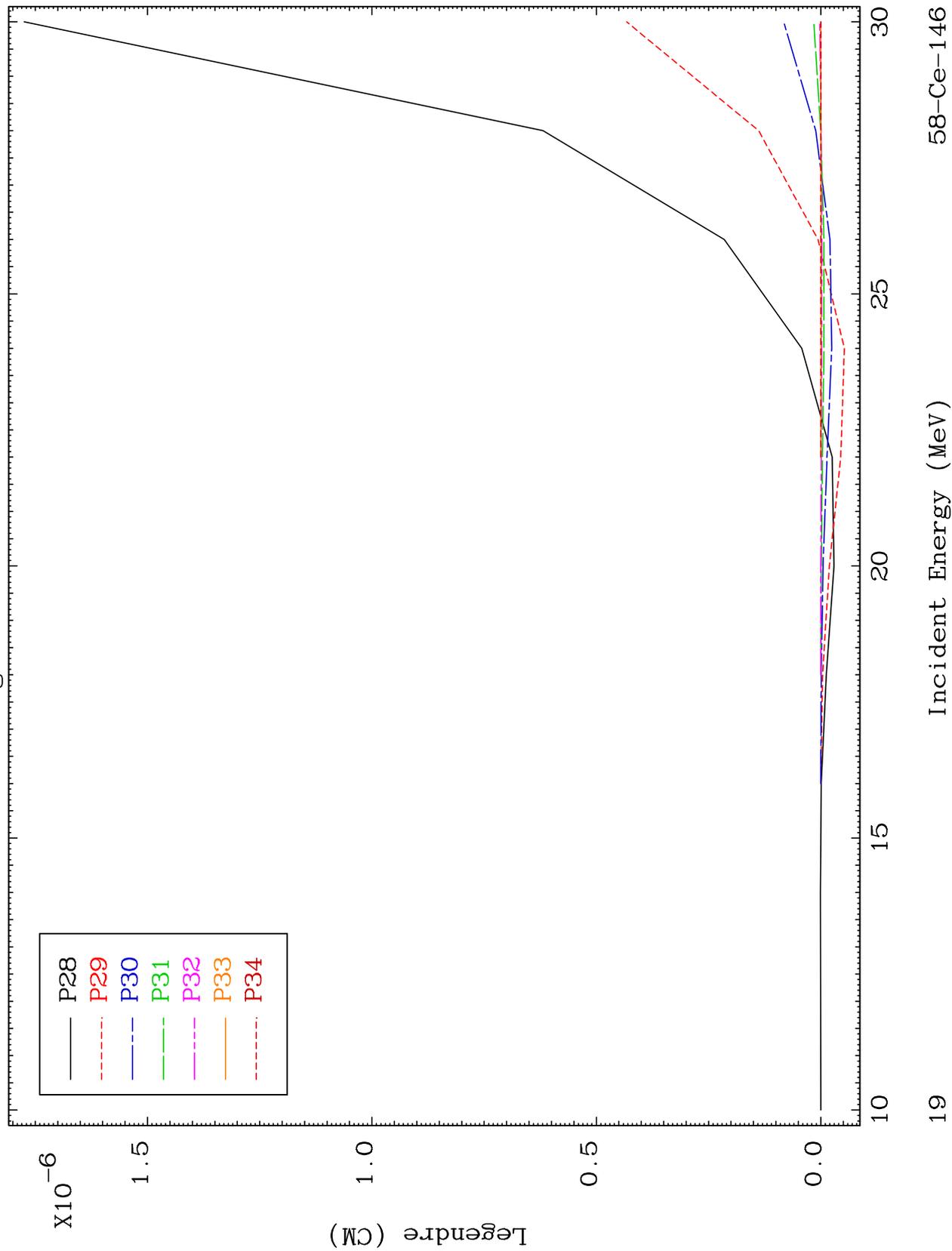
Incident Energy (MeV)

58-Ce-146

MAT 5855

Elastic Legendre Coefficients

58-Ce-146



19

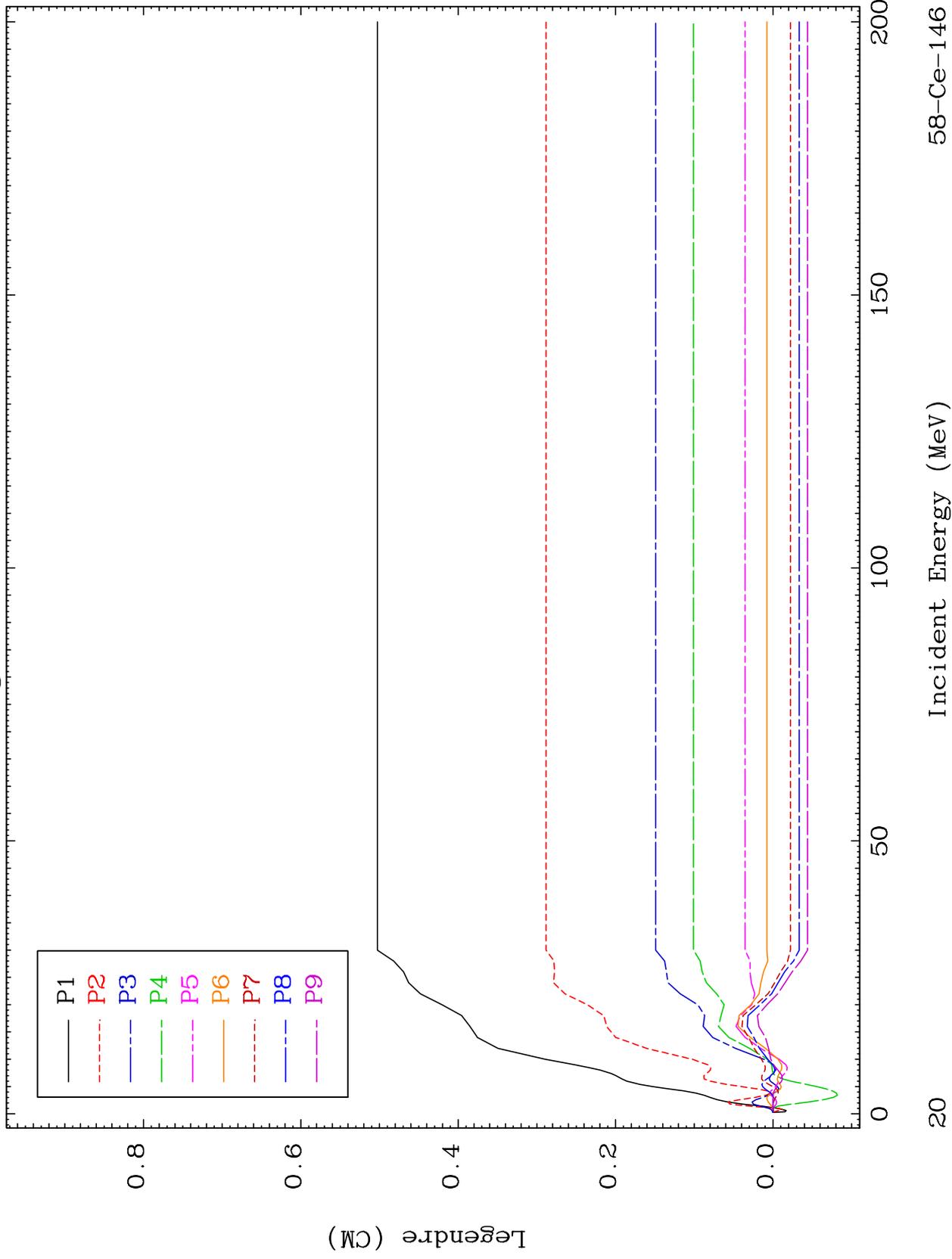
Incident Energy (MeV)

58-Ce-146

MAT 5855

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

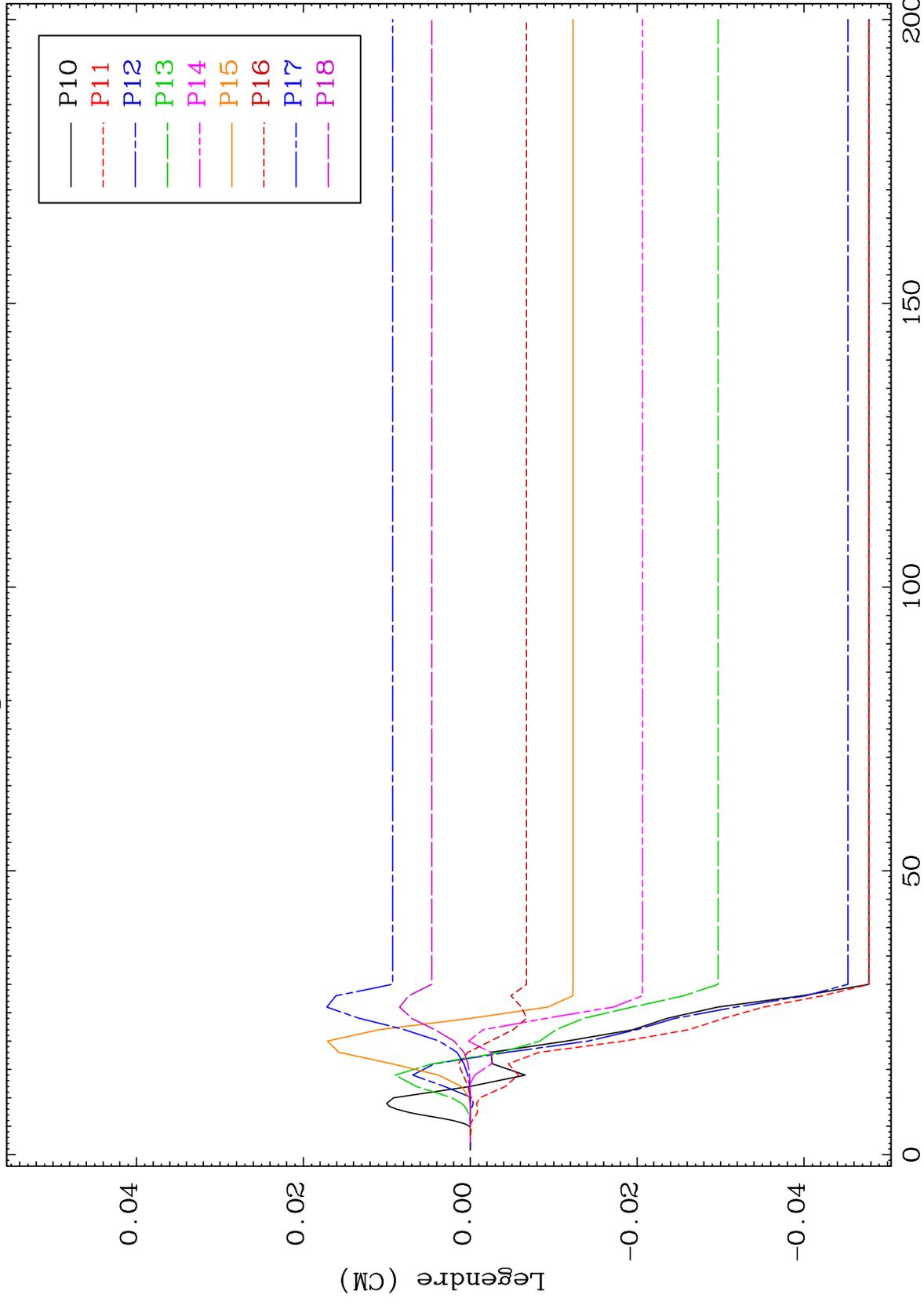
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MAT 5855

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

58-Ce-146



21

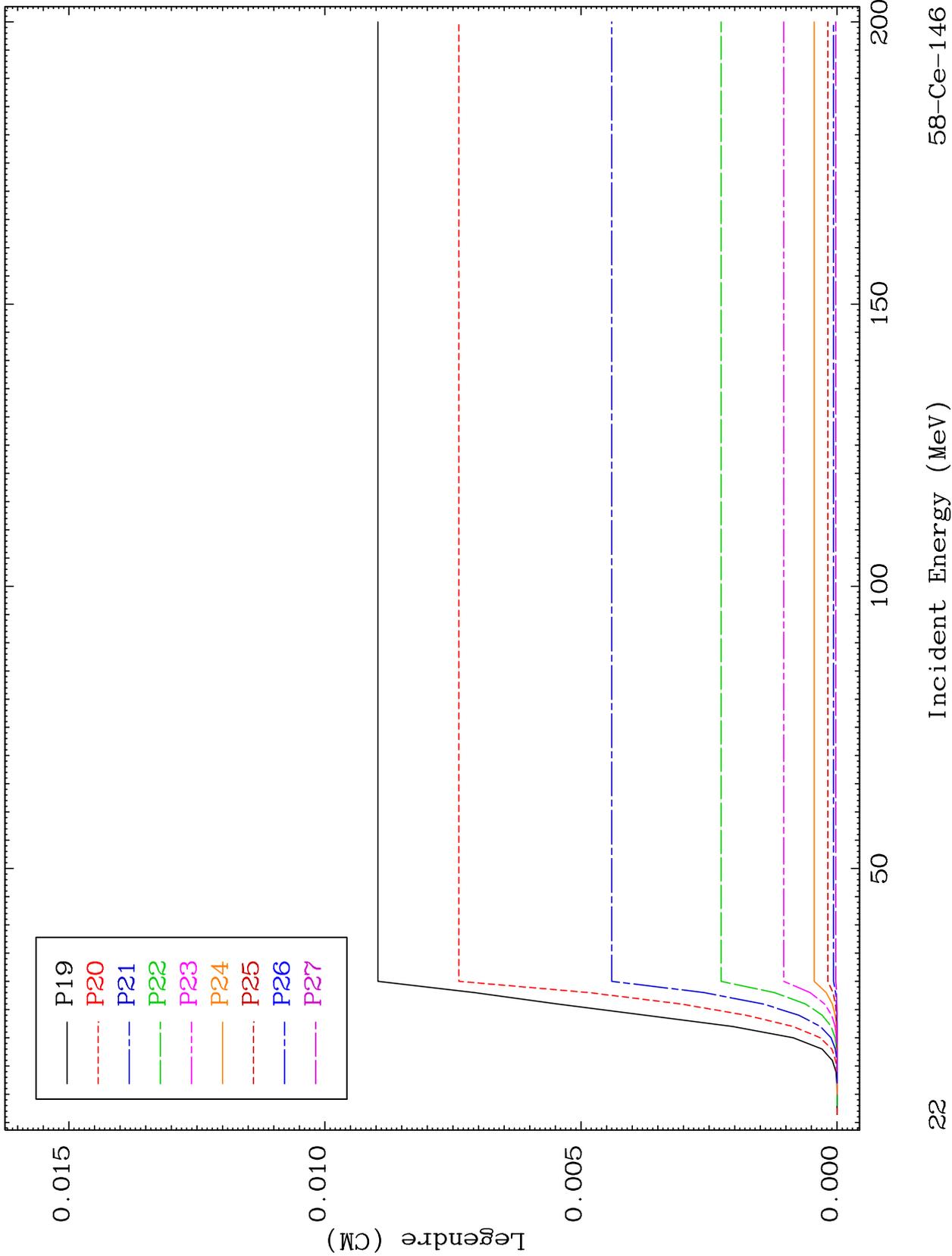
Incident Energy (MeV)

58-Ce-146

MAT 5855

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

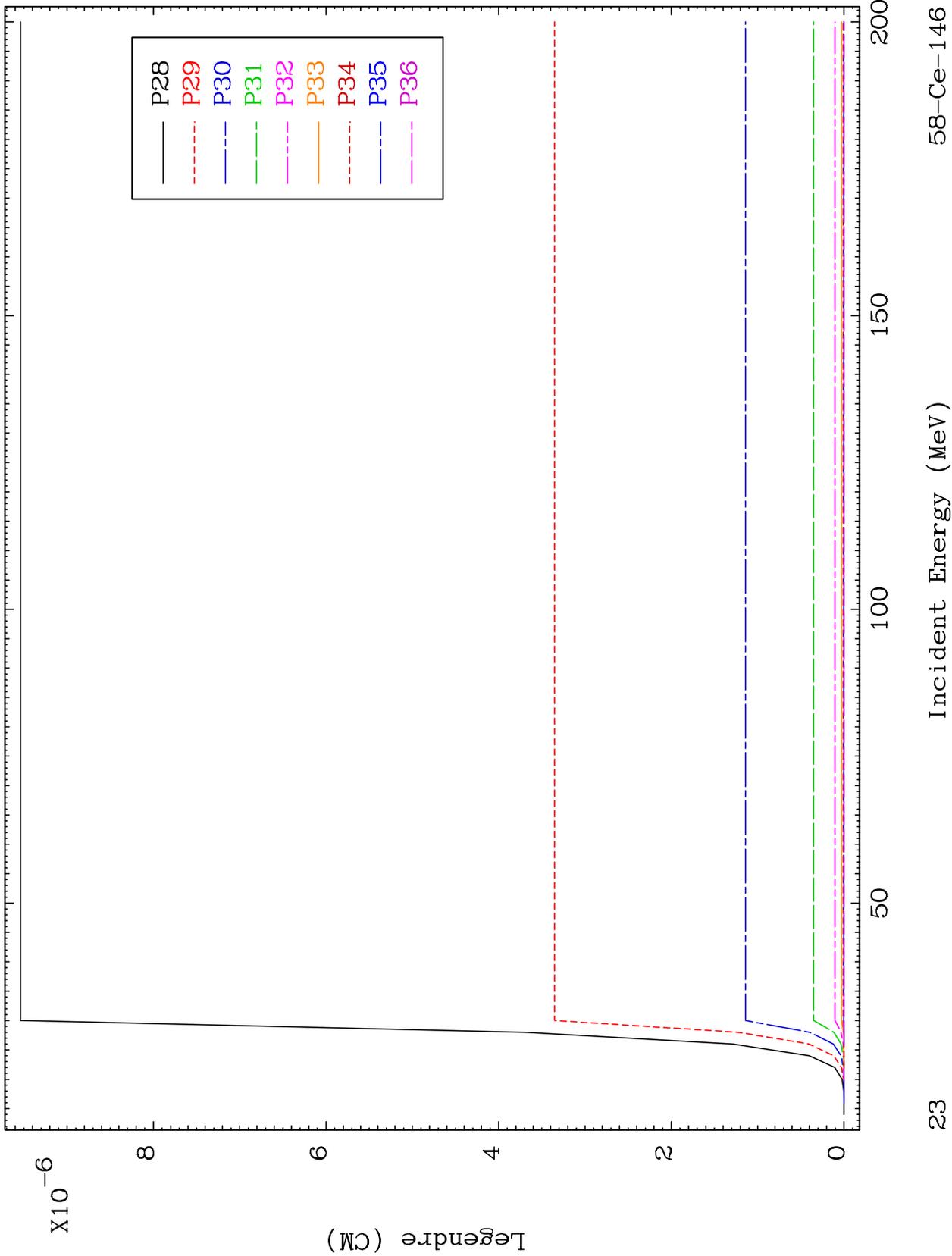
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MAT 5855

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

58-Ce-146



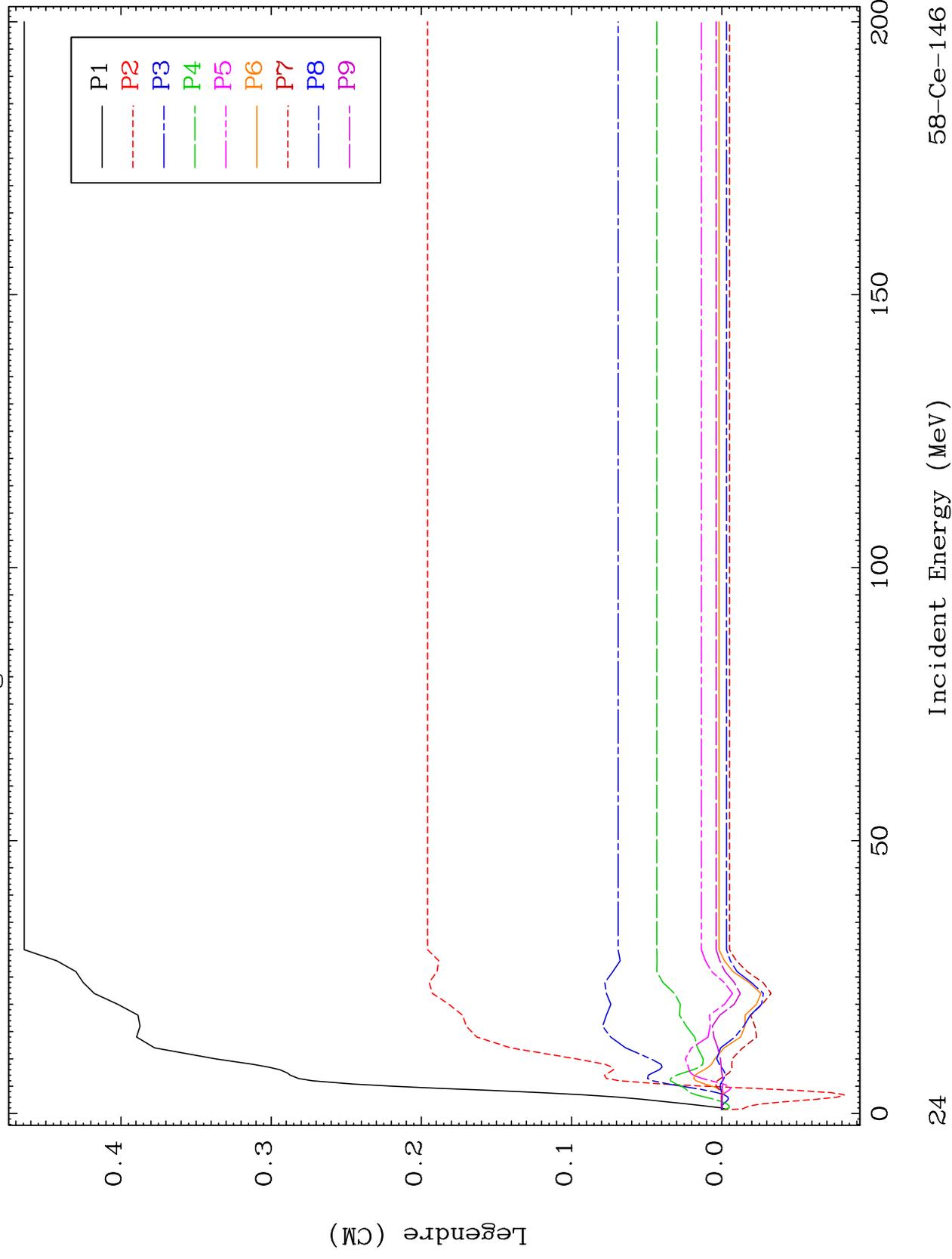
23

58-Ce-146

MAT 5855

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

58-Ce-146



58-Ce-146

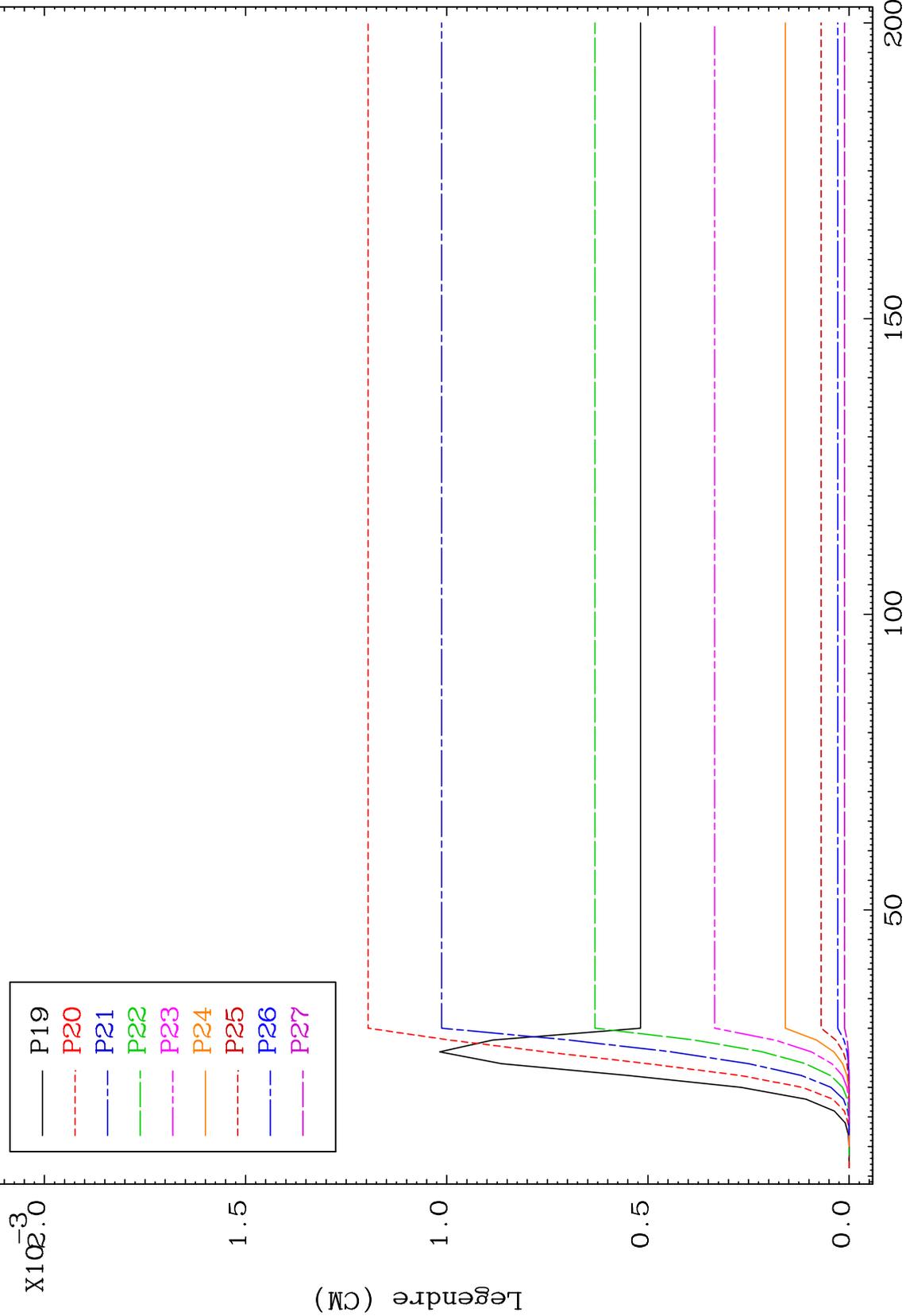
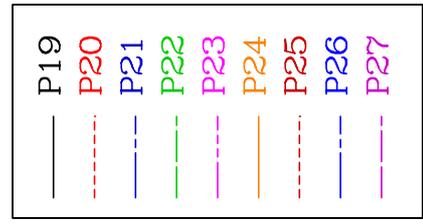
Incident Energy (MeV)

24

MAT 5855

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

58-Ce-146



26

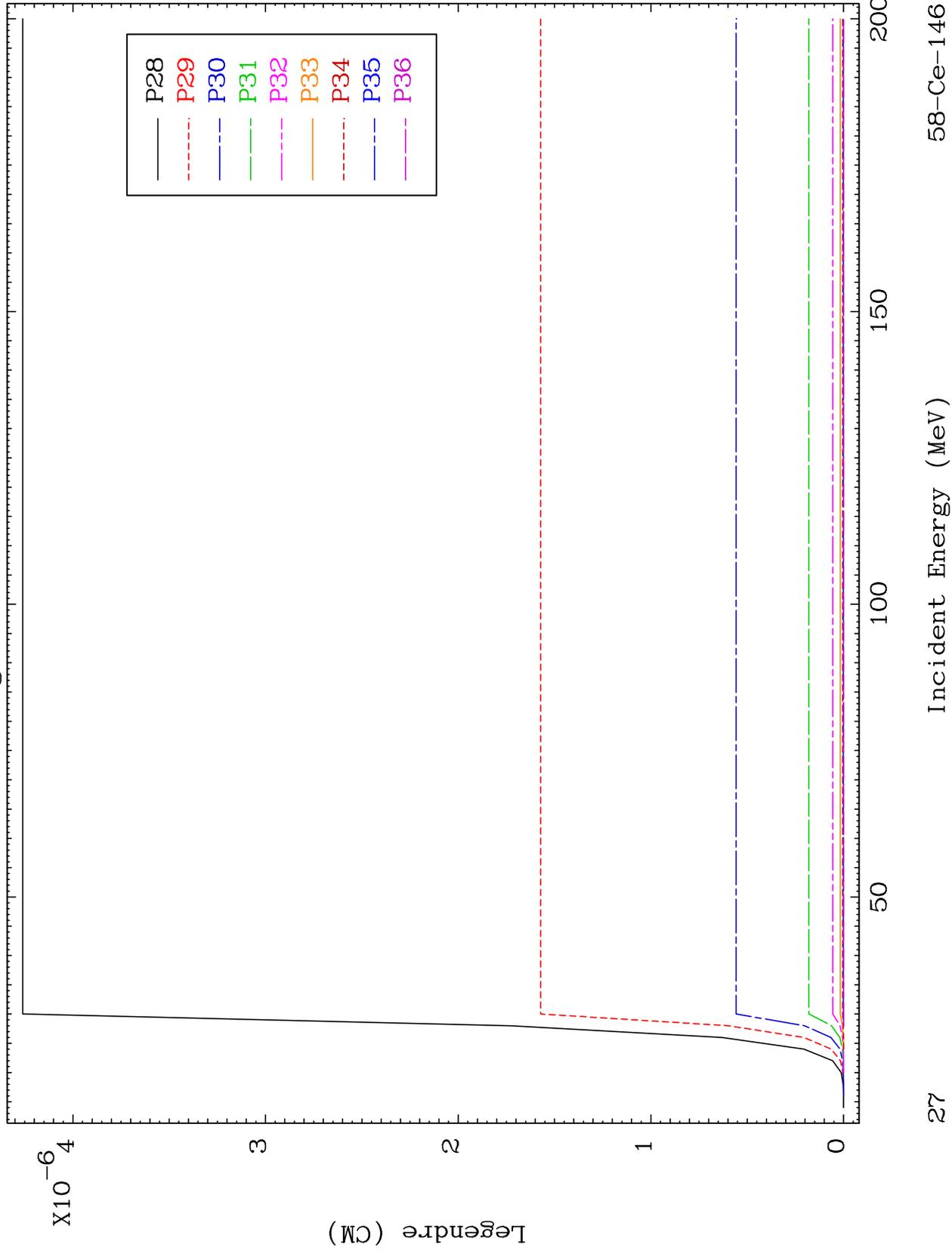
Incident Energy (MeV)

58-Ce-146

MAT 5855

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

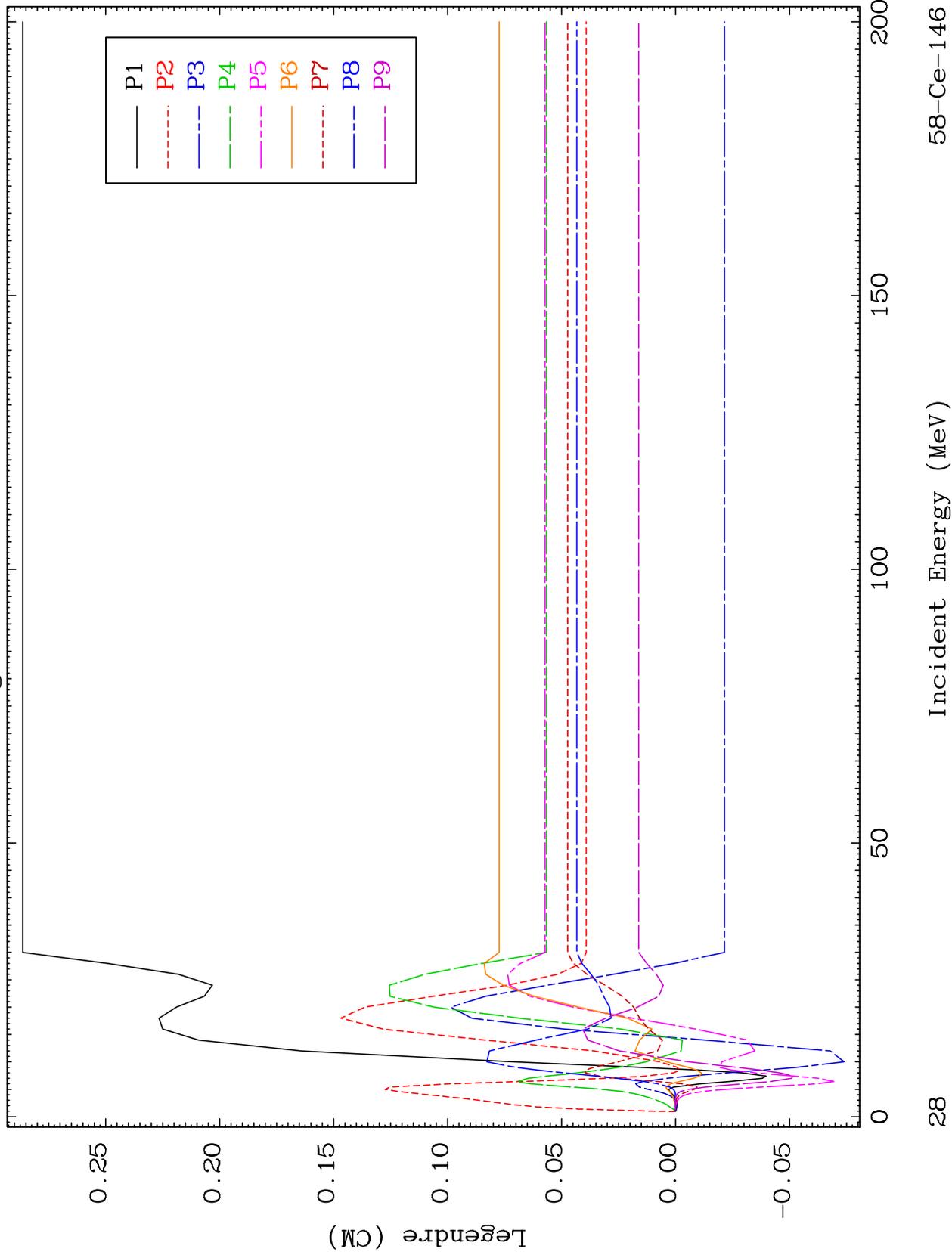
58-Ce-146



MAT 5855

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

58-Ce-146



58-Ce-146

Incident Energy (MeV)

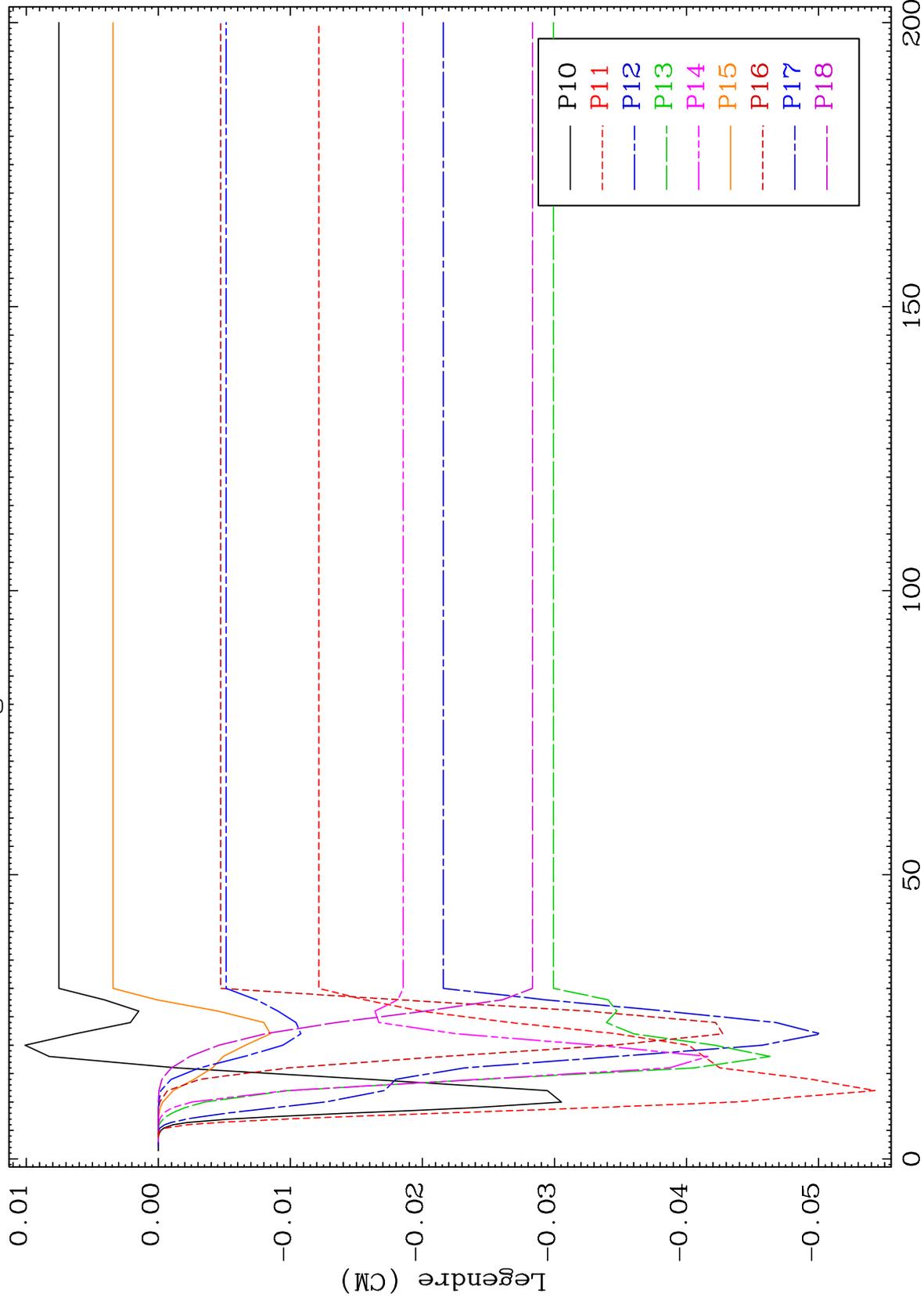
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MAT 5855

MT= 53 (n,n') Level

58-Ce-146

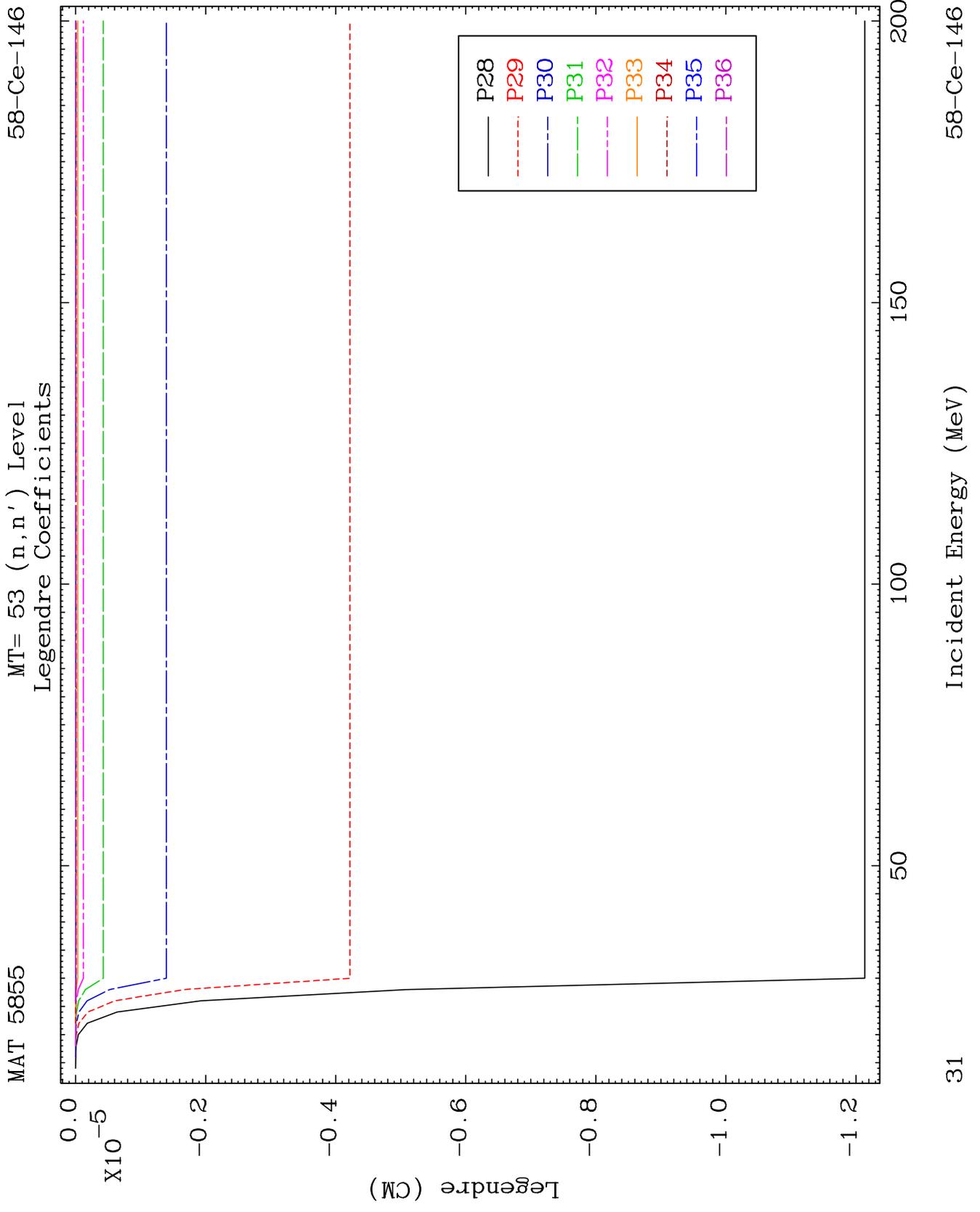
Legendre Coefficients



58-Ce-146

Incident Energy (MeV)

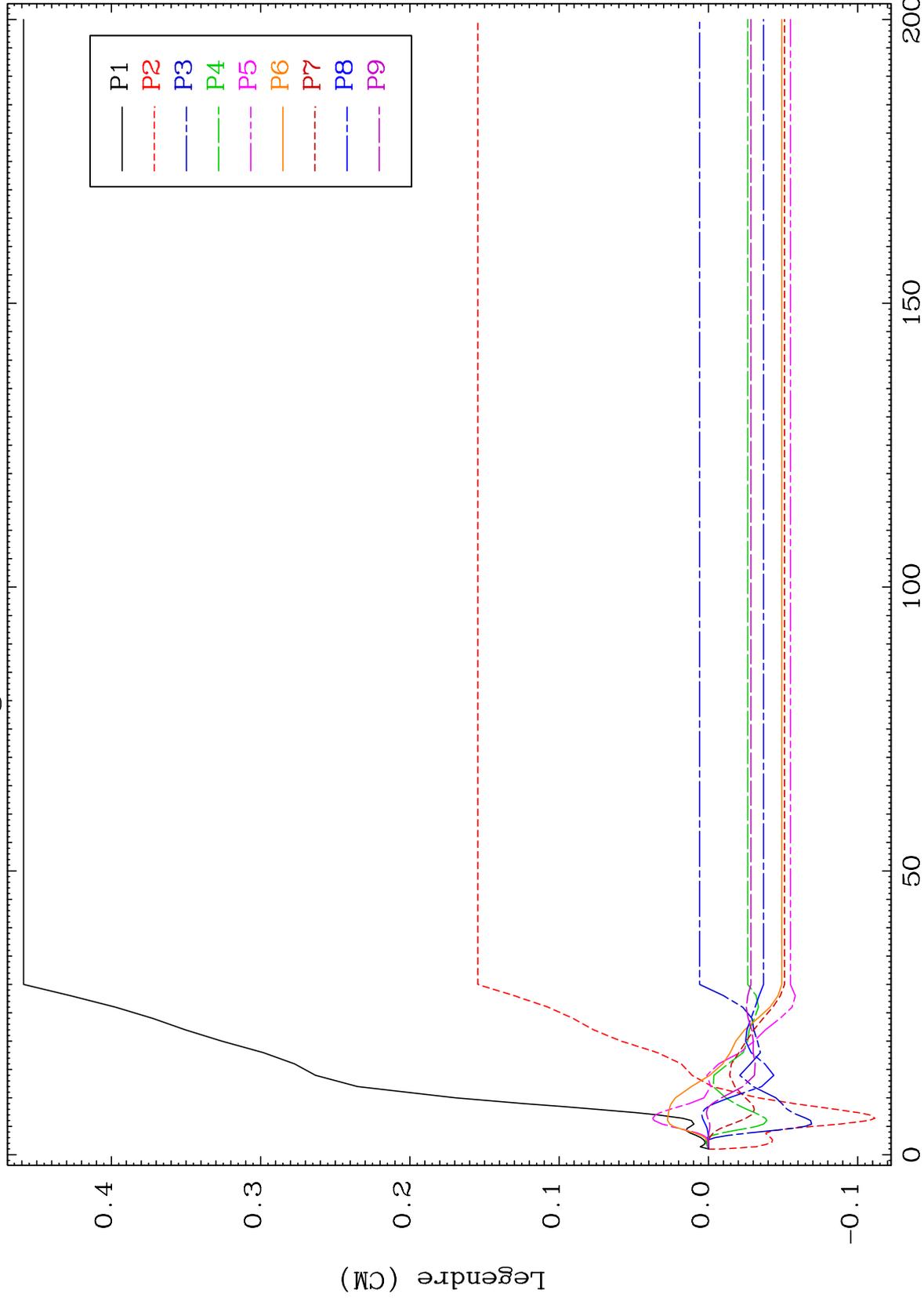
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MAT 5855

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

58-Ce-146



58-Ce-146

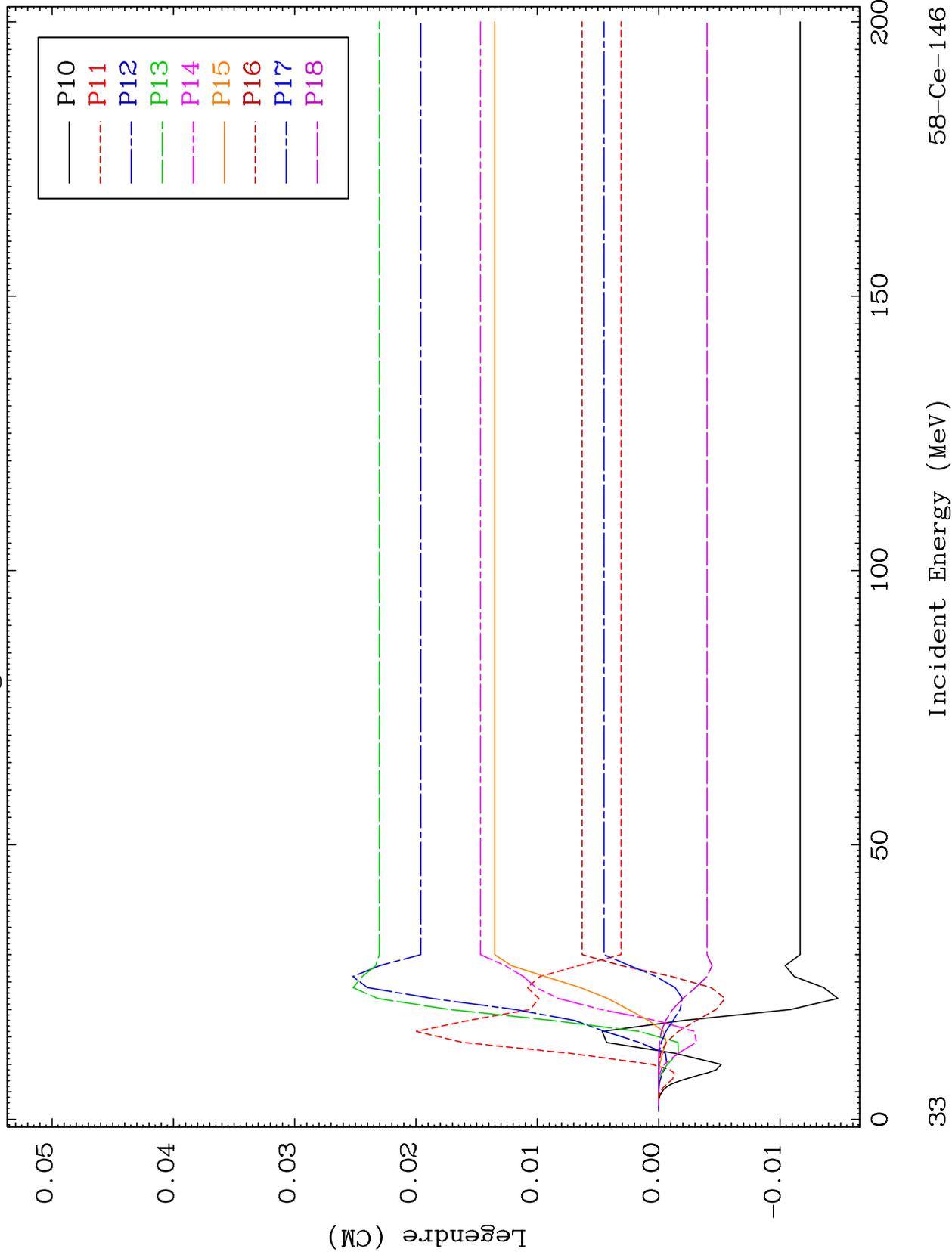
Incident Energy (MeV)

32

MAT 5855

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

58-Ce-146



58-Ce-146

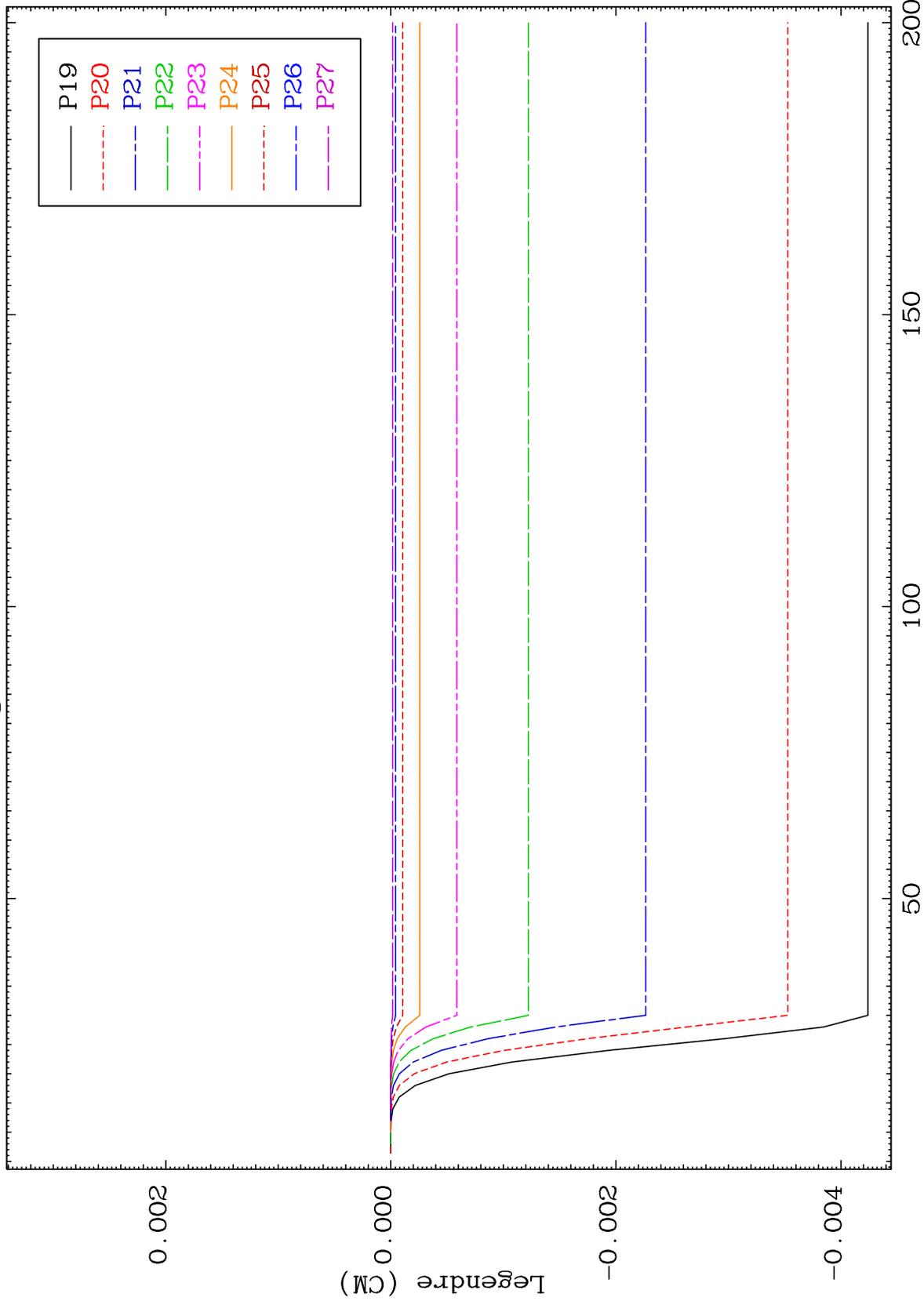
Incident Energy (MeV)

33

MAT 5855

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

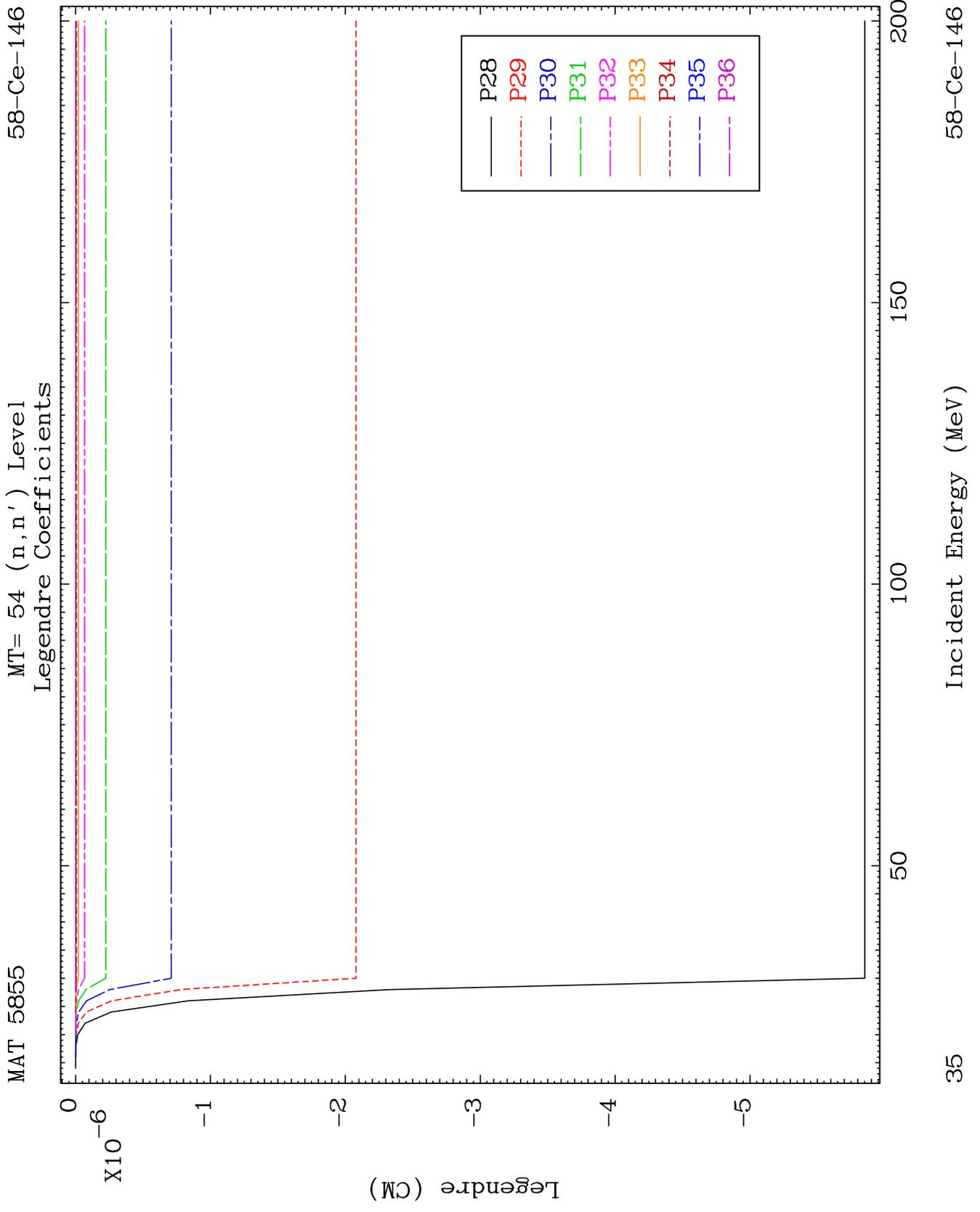
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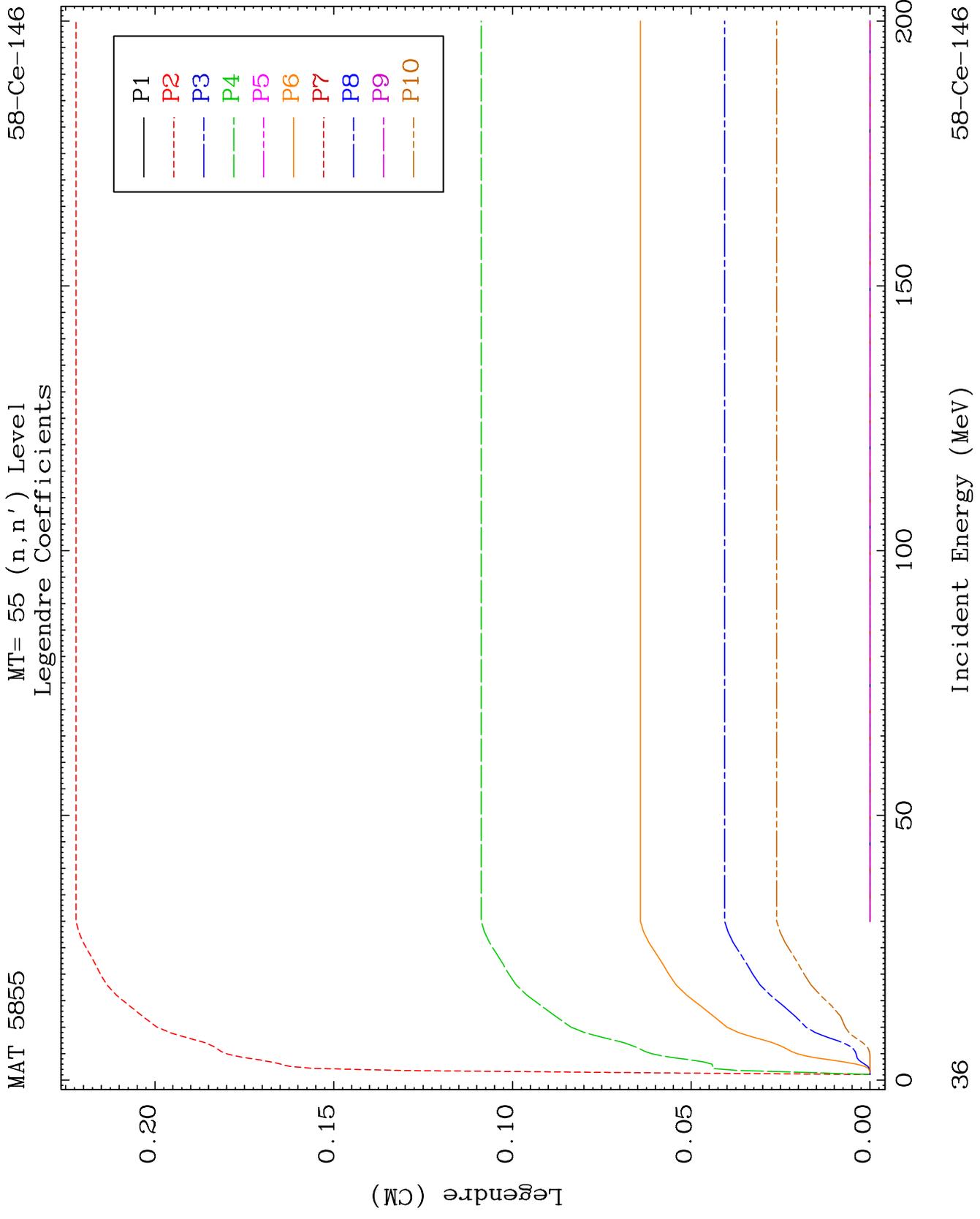


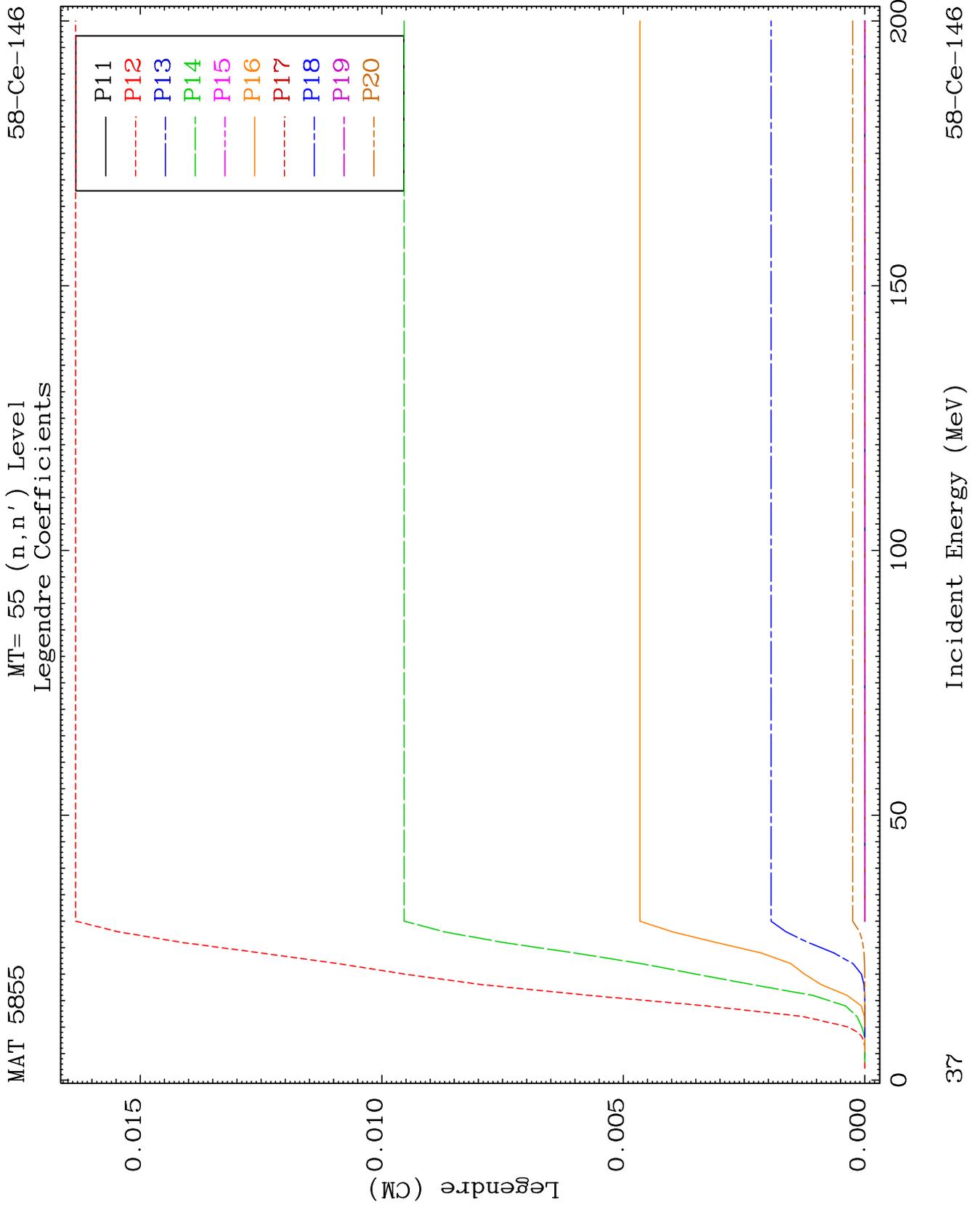
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Incident Energy (MeV)

58-Ce-146



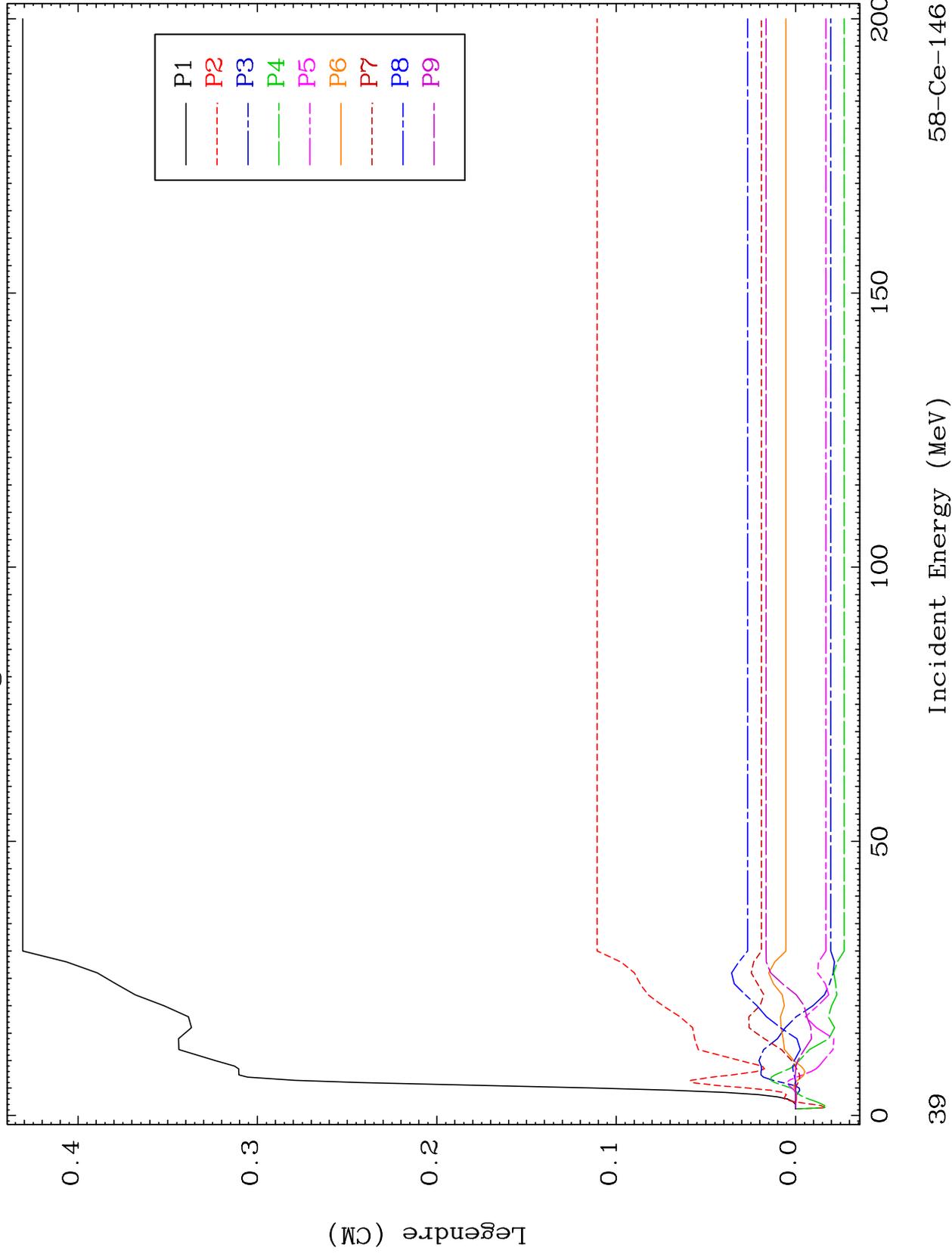




MAT 5855

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

58-Ce-146



58-Ce-146

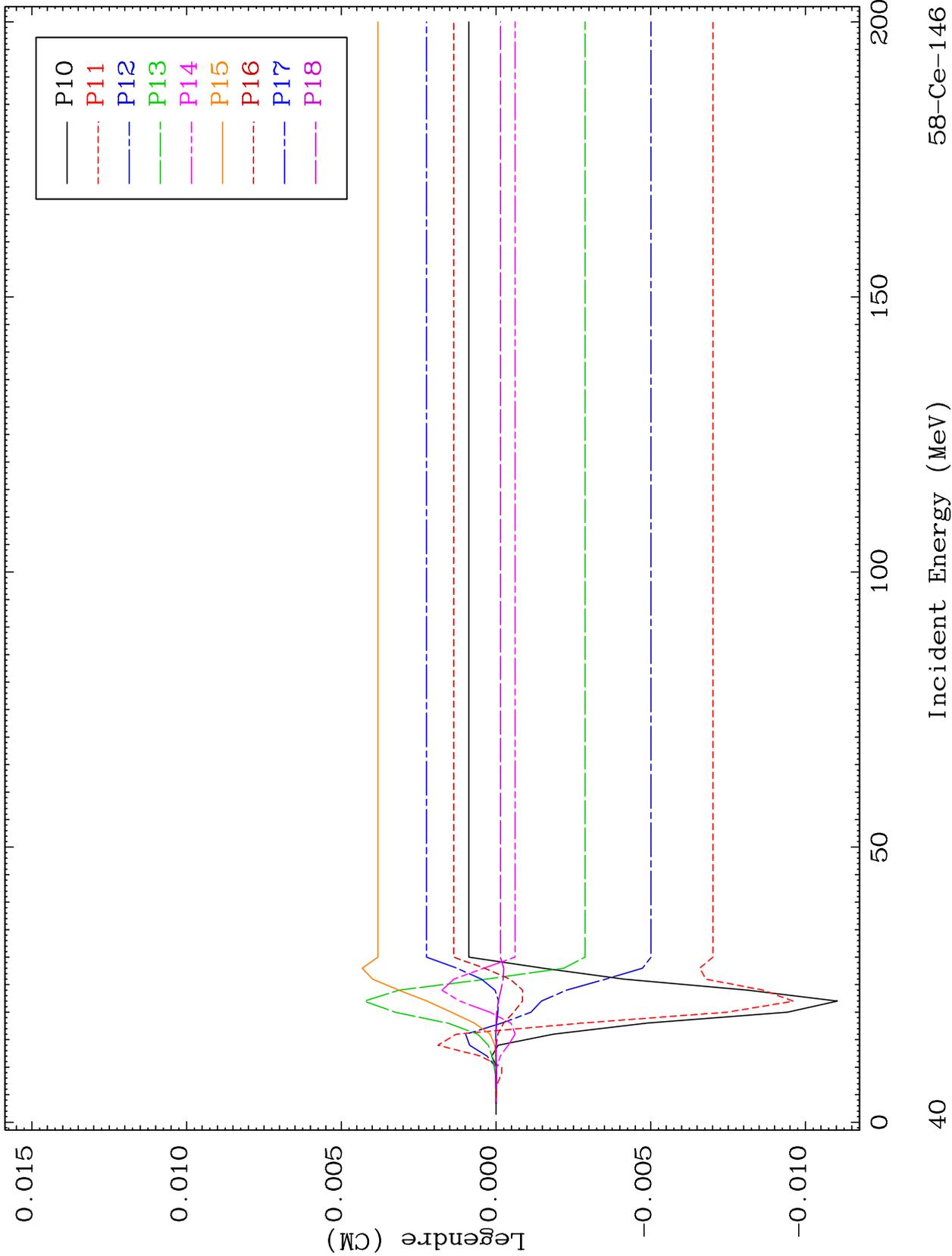
Incident Energy (MeV)

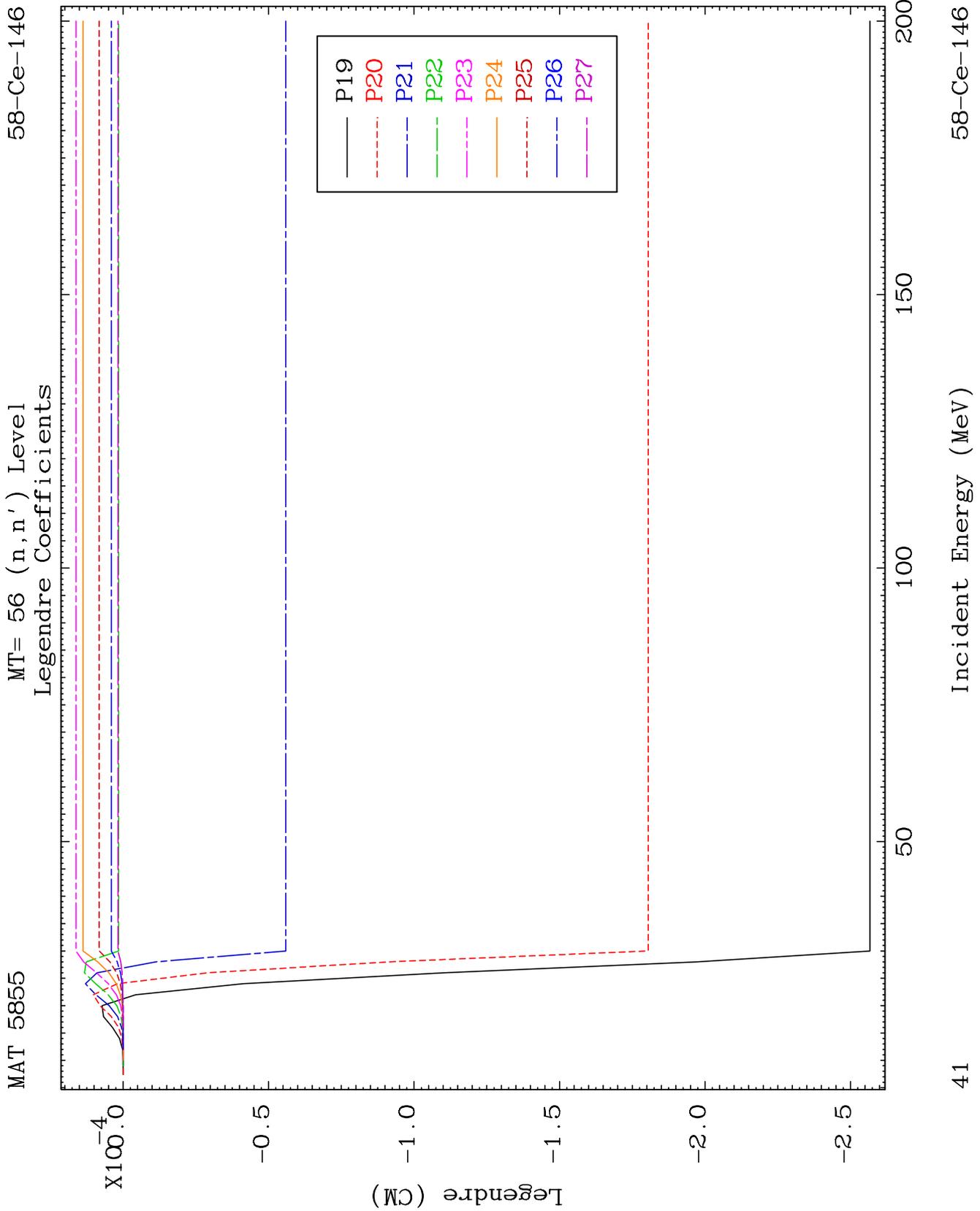
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MAT 5855

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

58-Ce-146

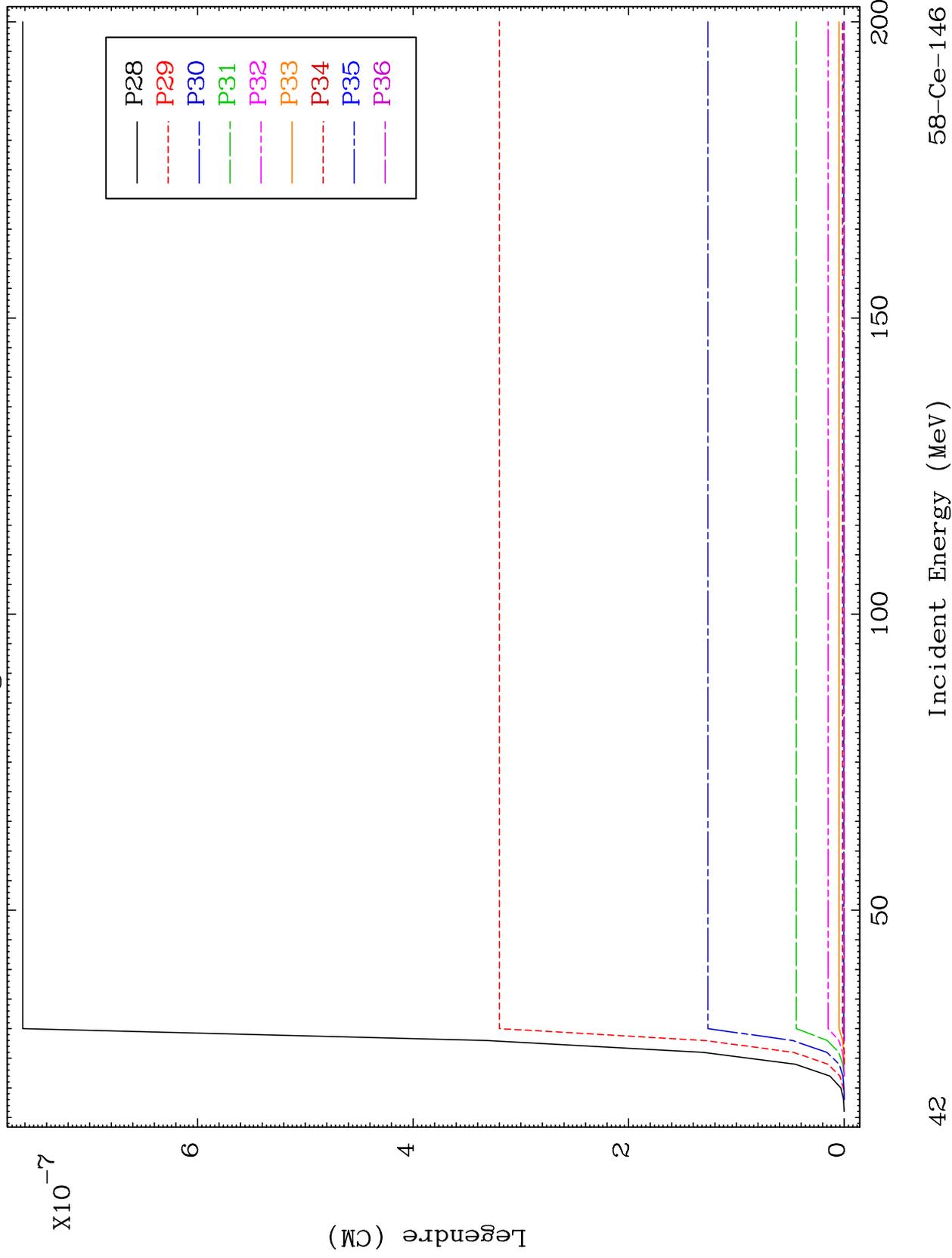




MAT 5855

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

58-Ce-146



42

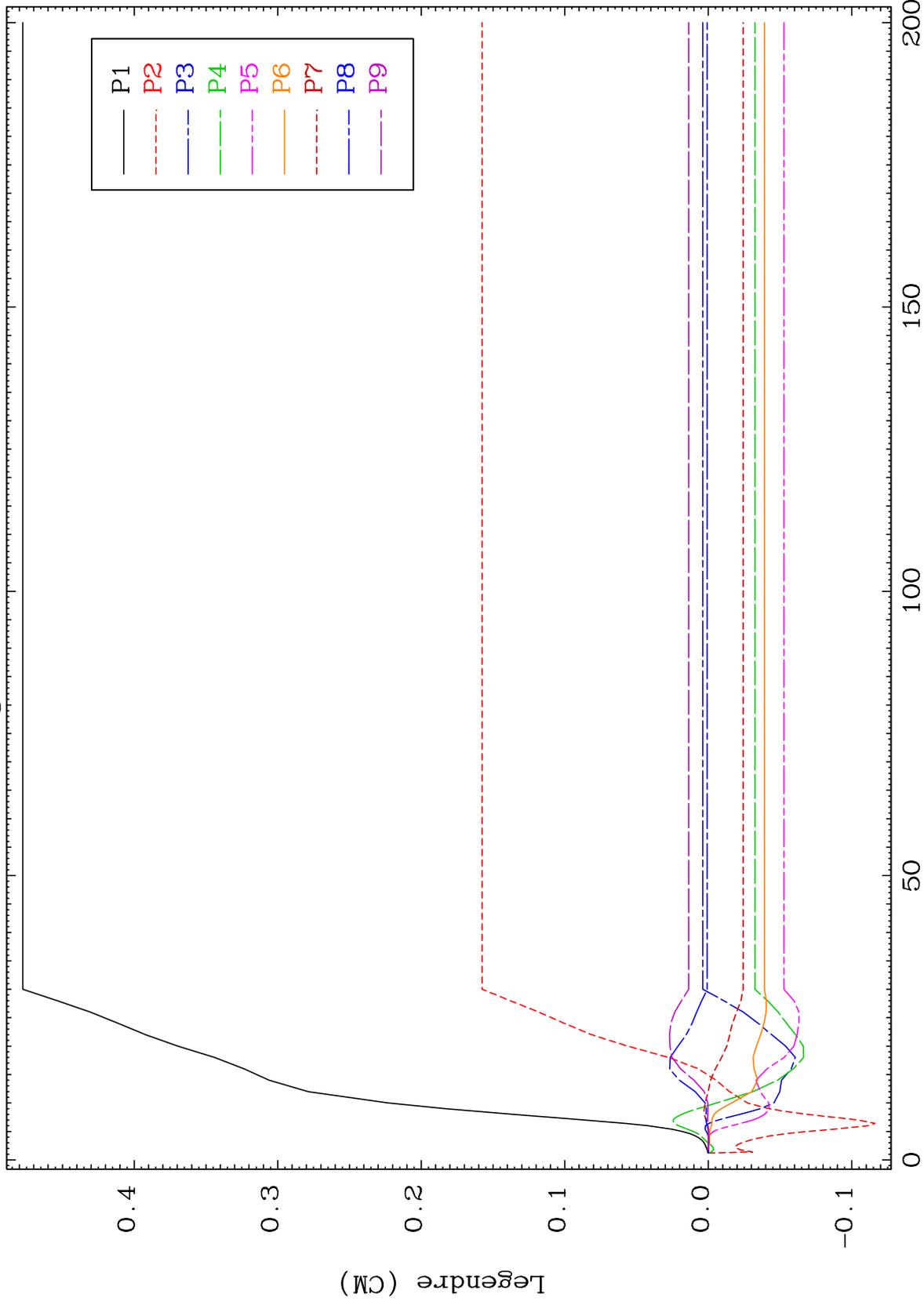
Incident Energy (MeV)

58-Ce-146

MAT 5855

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

58-Ce-146



43

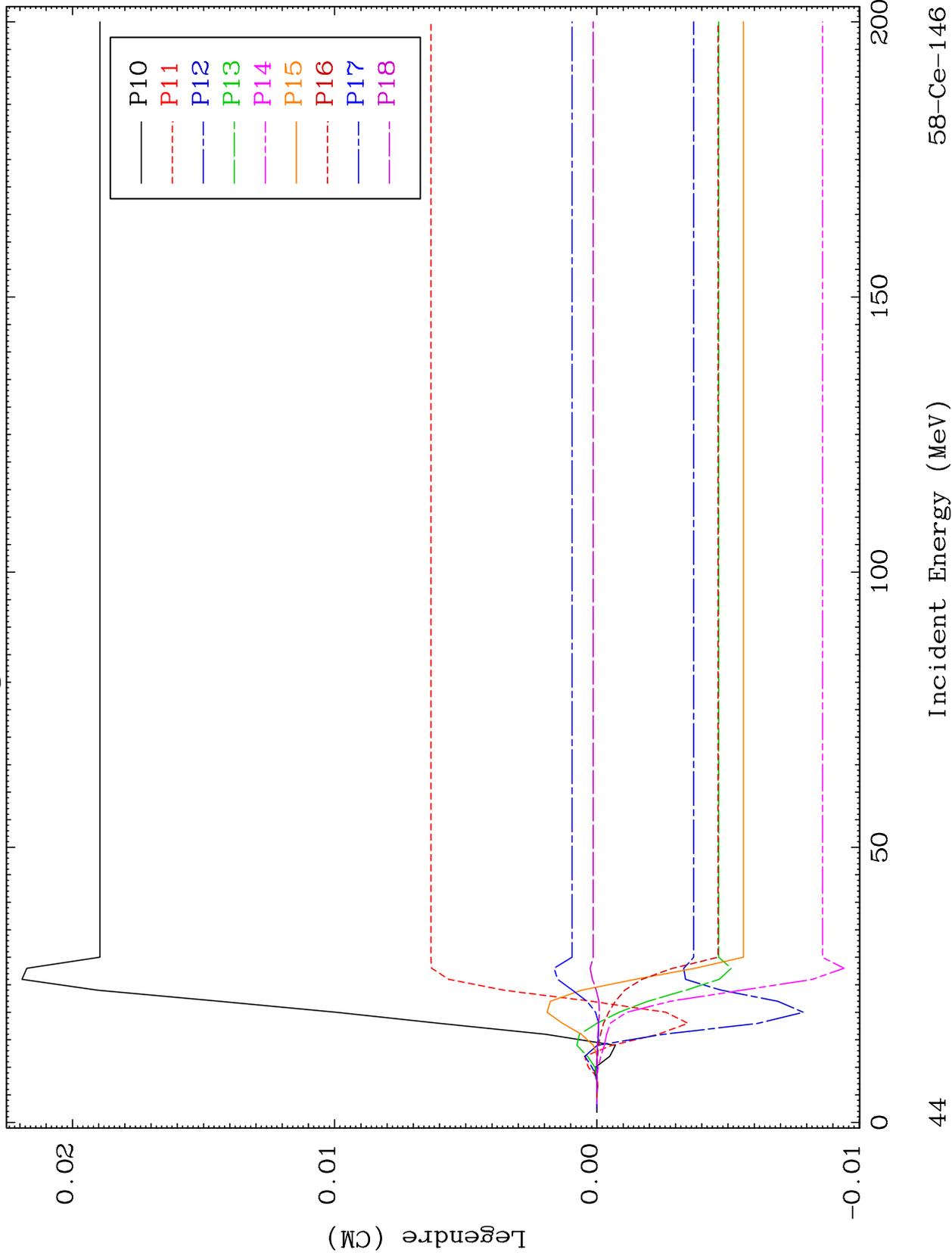
Incident Energy (MeV)

58-Ce-146

MAT 5855

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

58-Ce-146



58-Ce-146

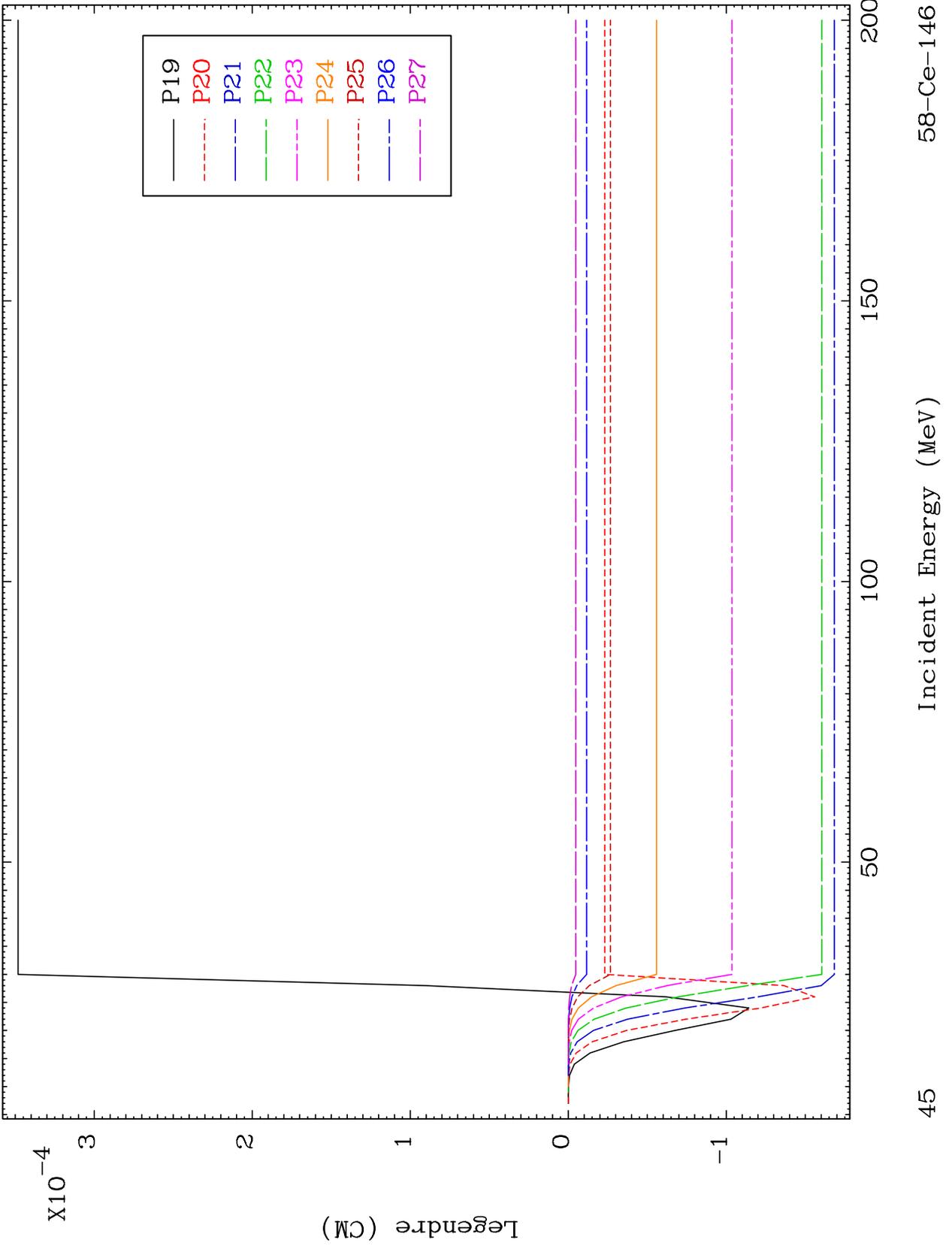
Incident Energy (MeV)

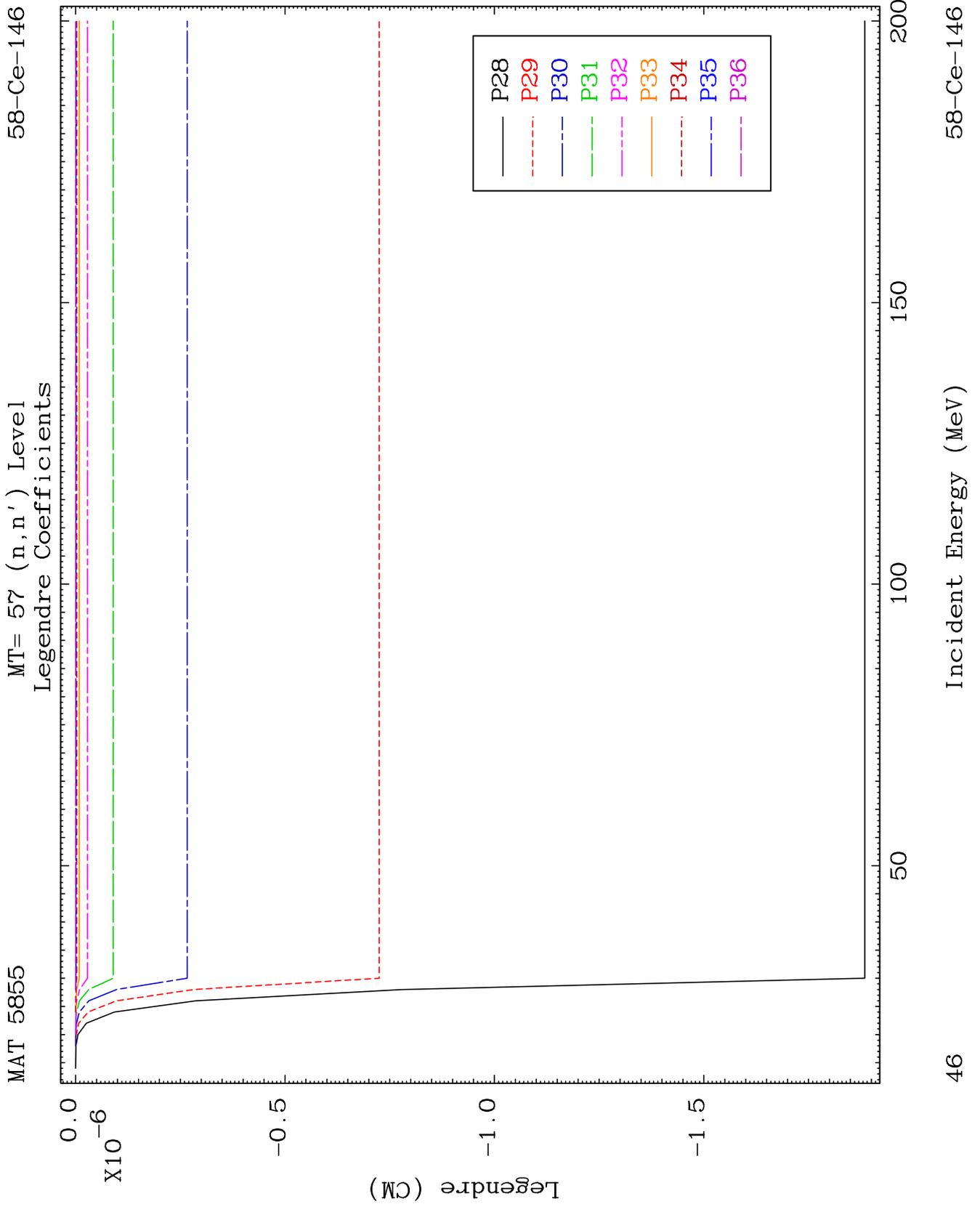
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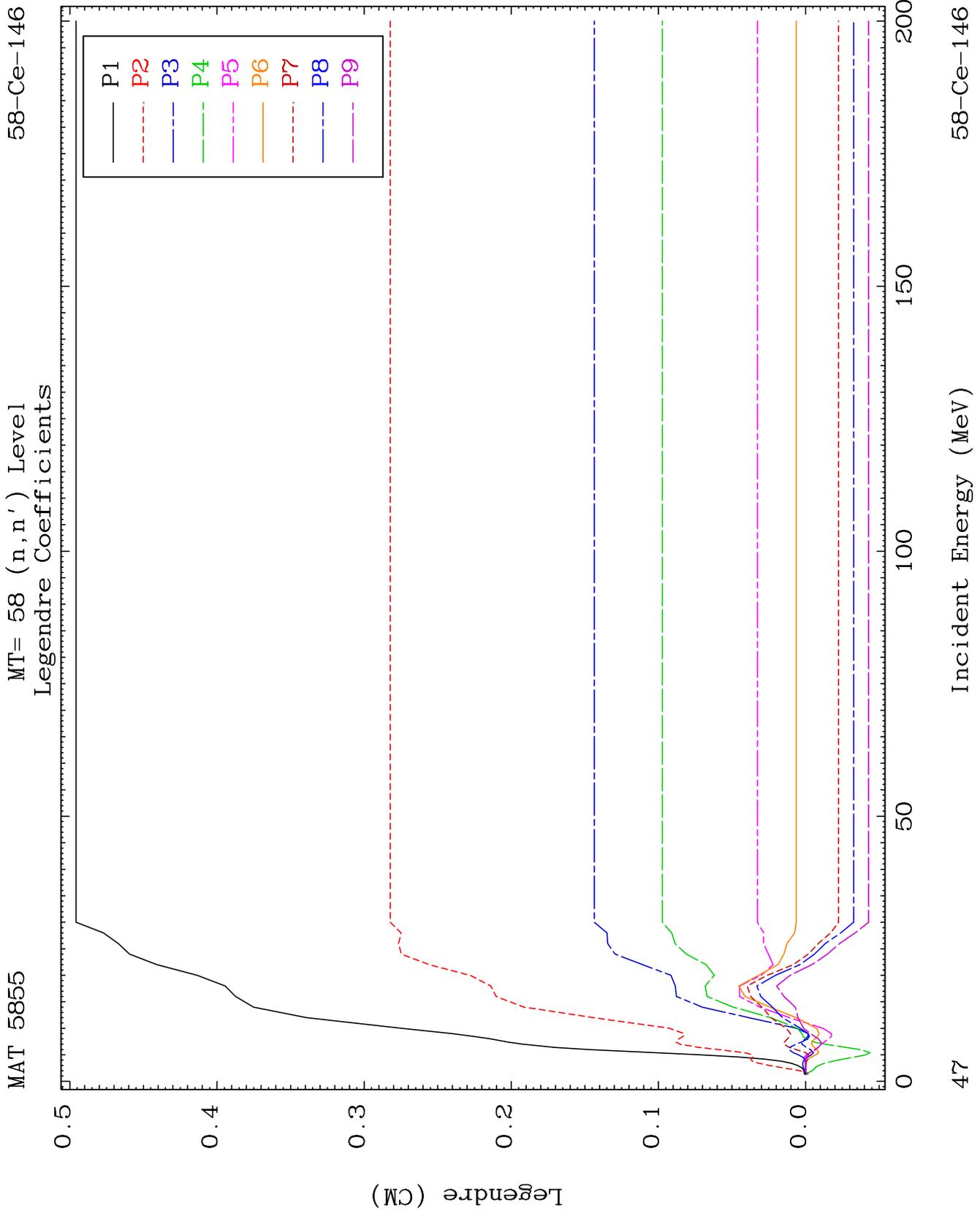
MAT 5855

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

58-Ce-146



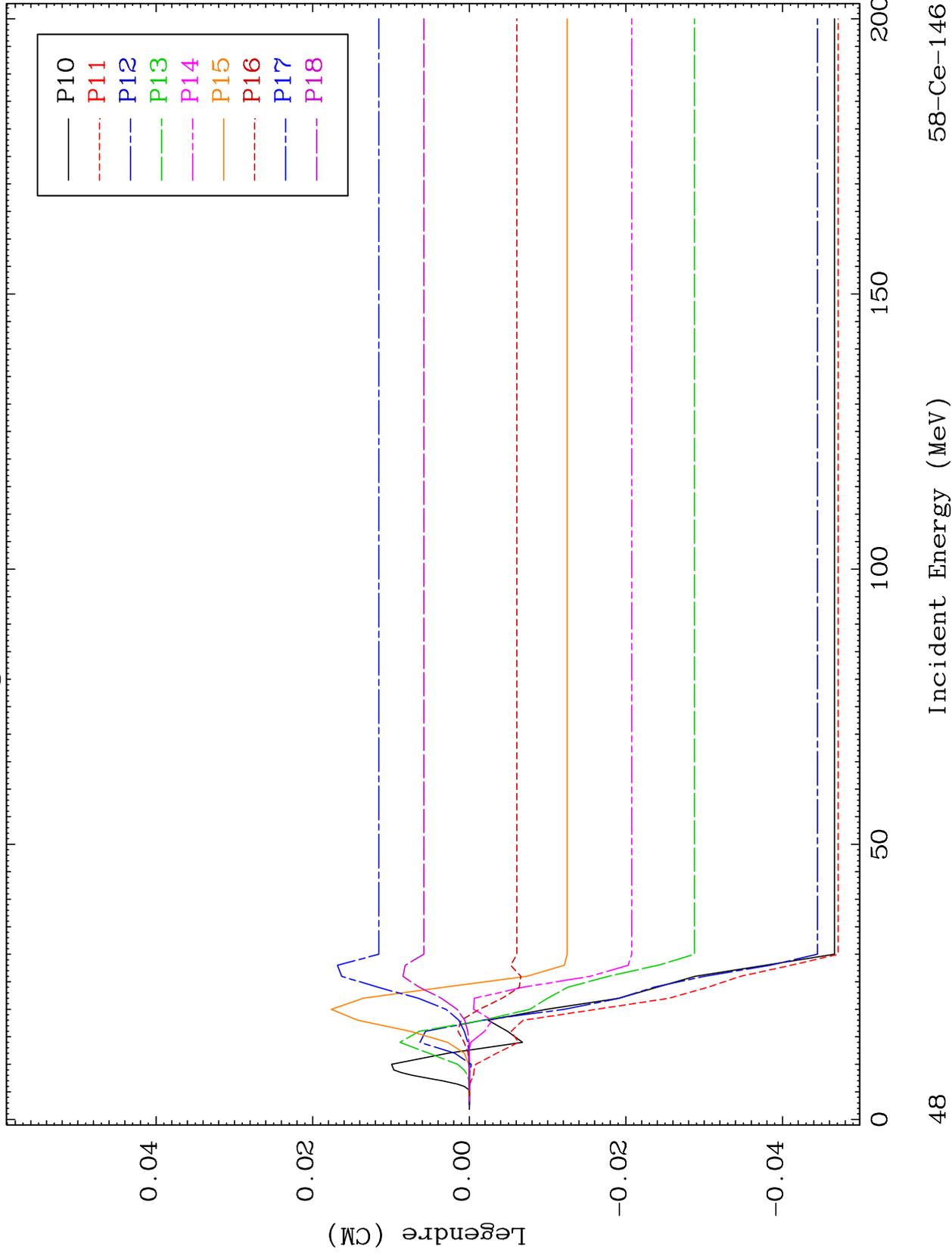




MAT 5855

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

58-Ce-146



58-Ce-146

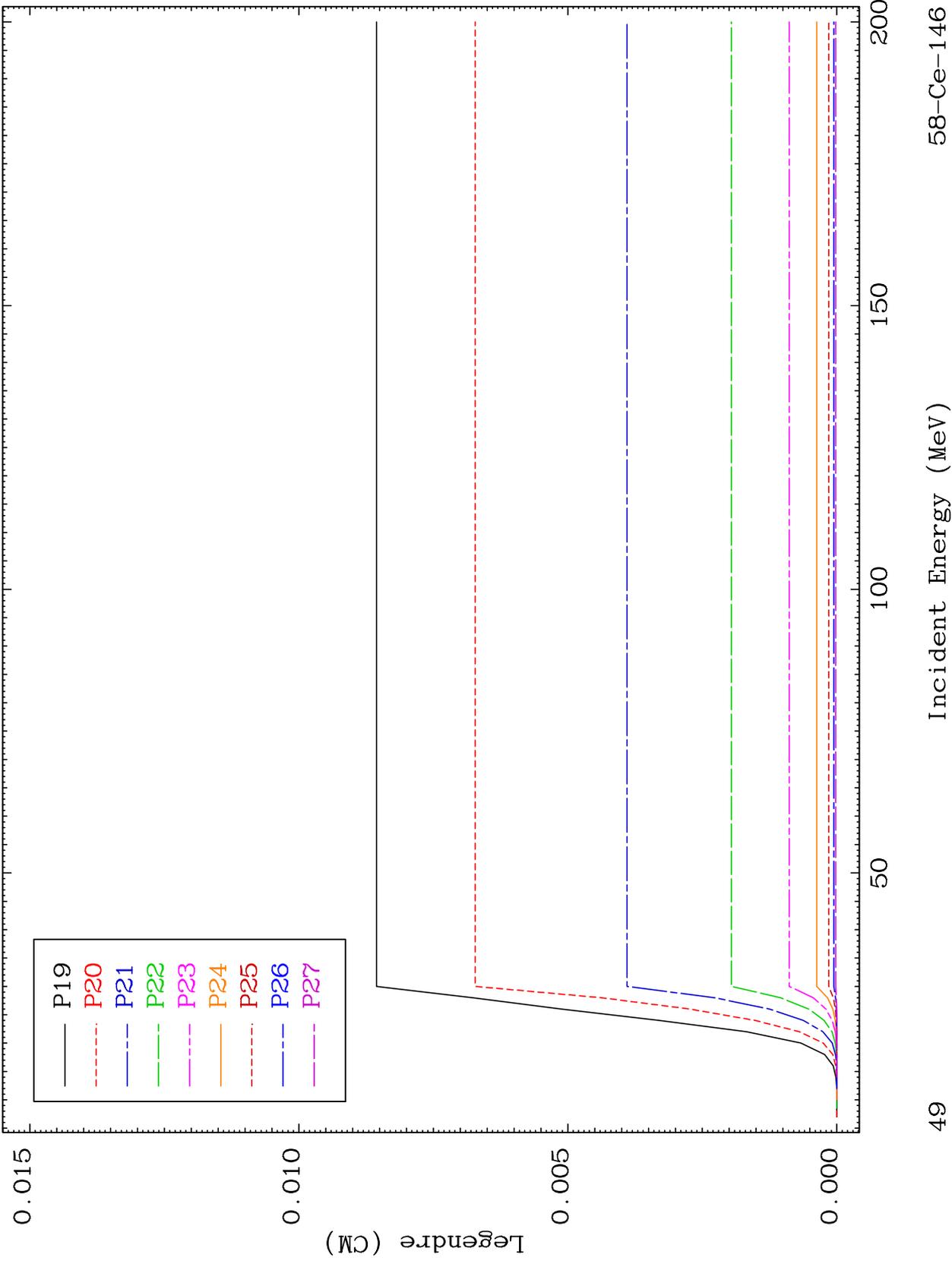
Incident Energy (MeV)

48

MAT 5855

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

58-Ce-146



49

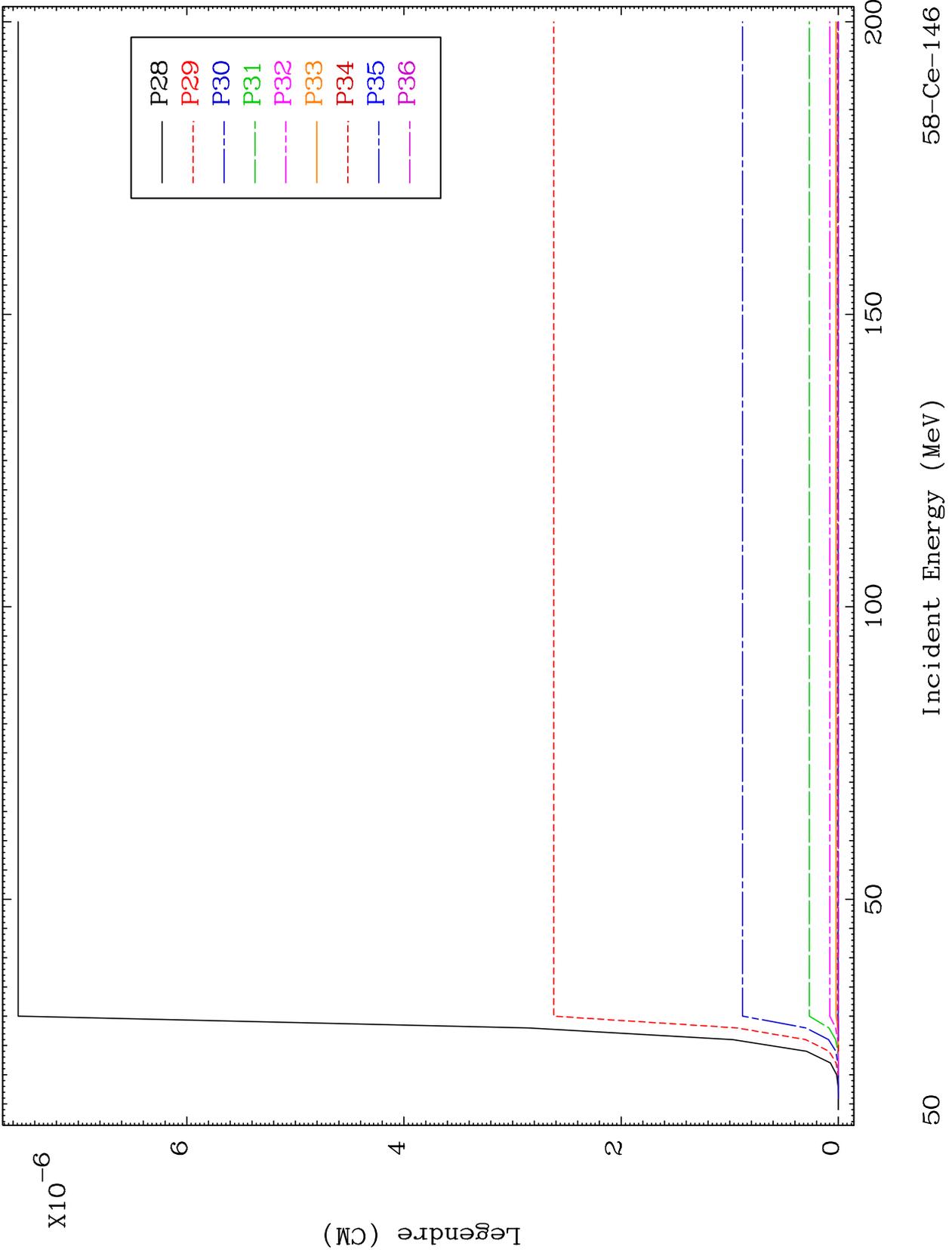
Incident Energy (MeV)

58-Ce-146

MAT 58555

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

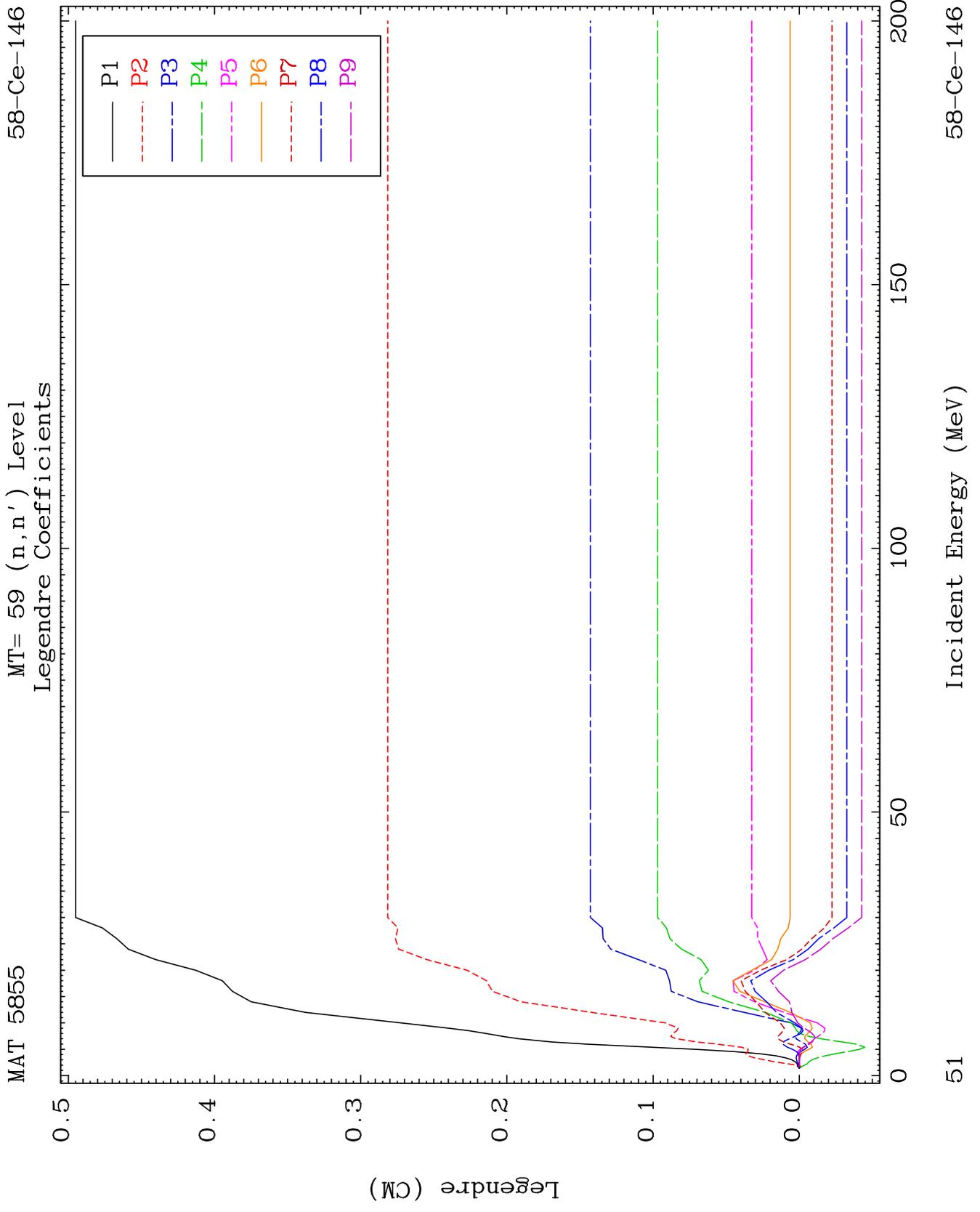
58-Ce-146



58-Ce-146

Incident Energy (MeV)

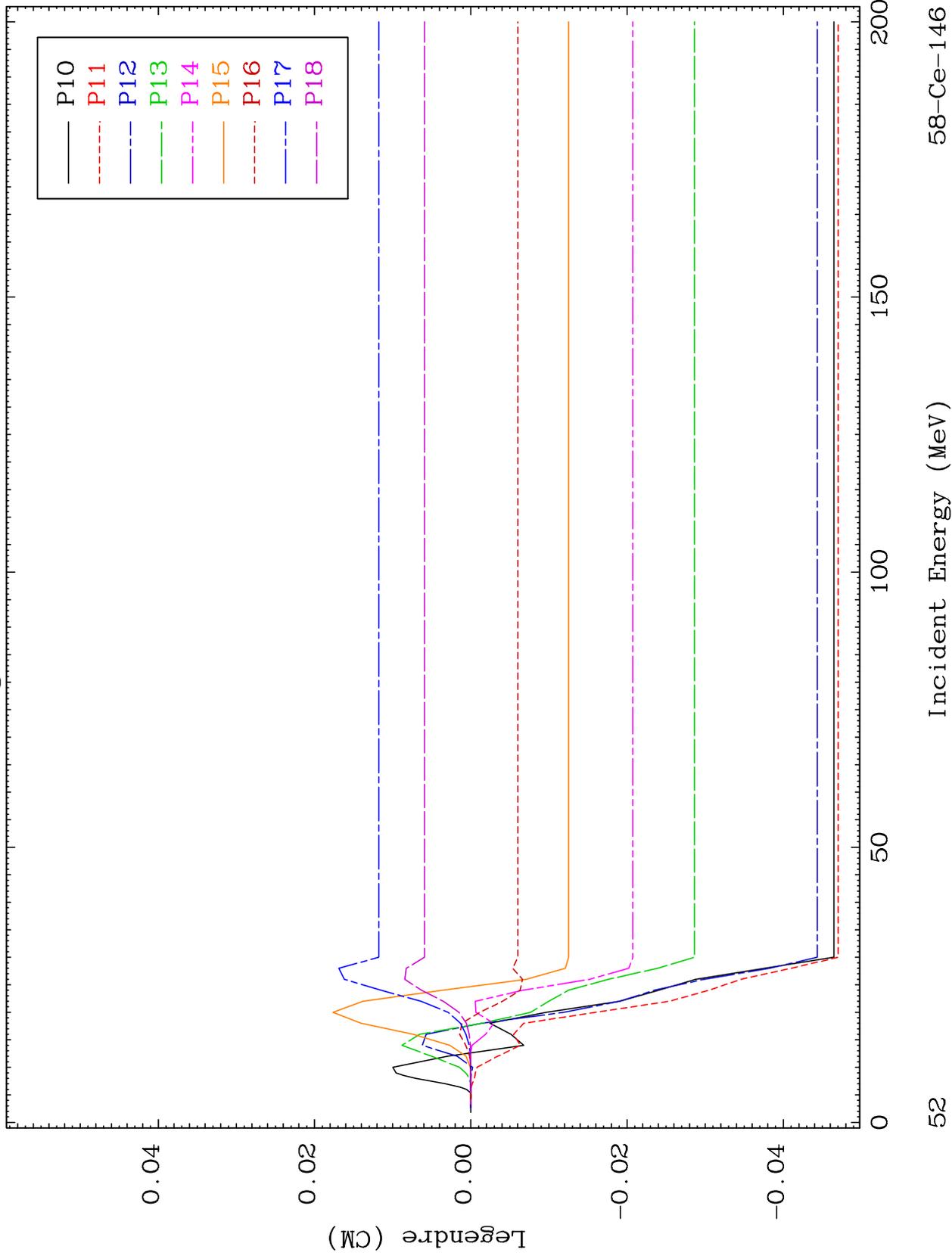
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MAT 5855

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

58-Ce-146



58-Ce-146

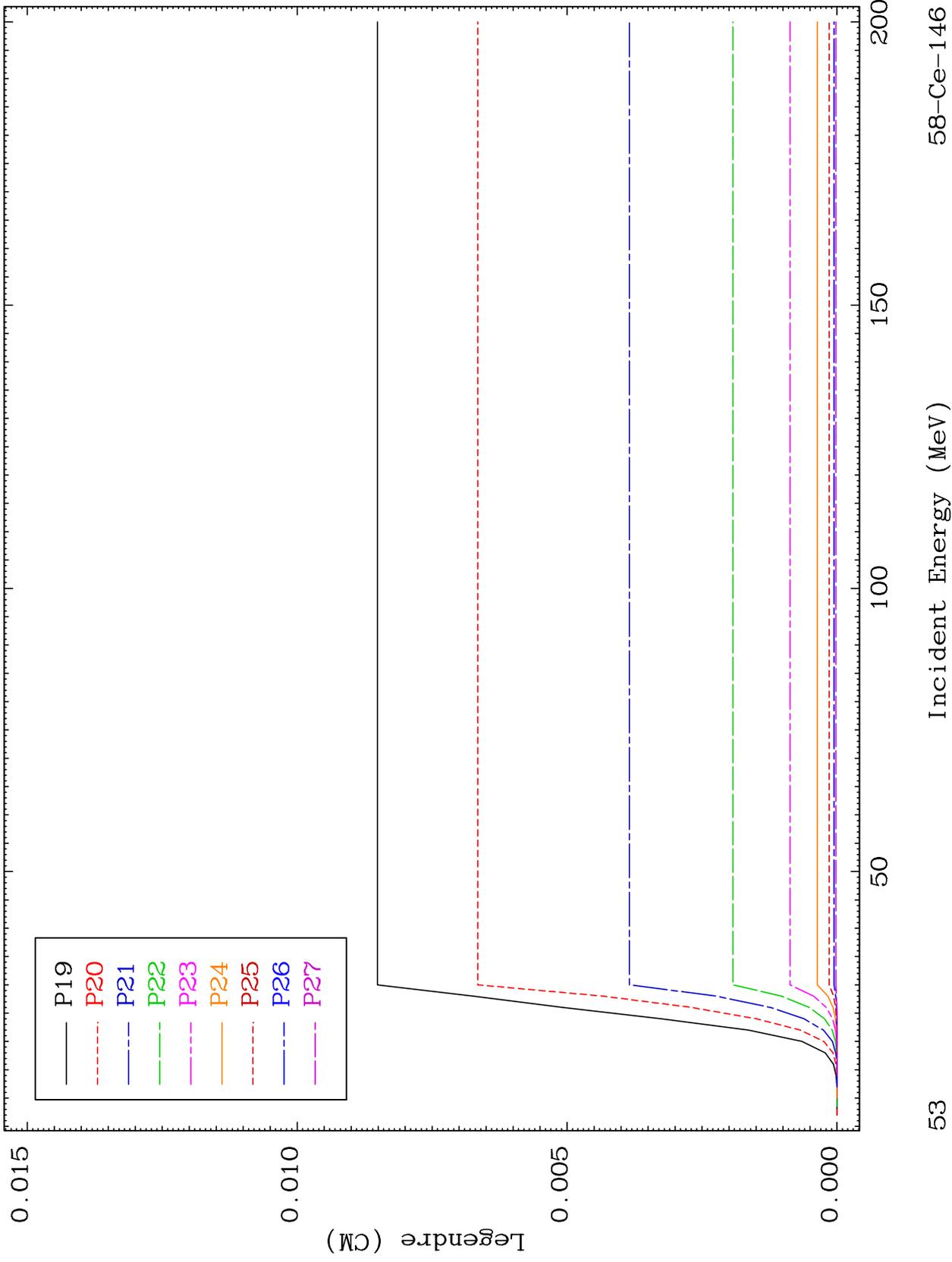
Incident Energy (MeV)

52

MAT 5855

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

58-Ce-146



53

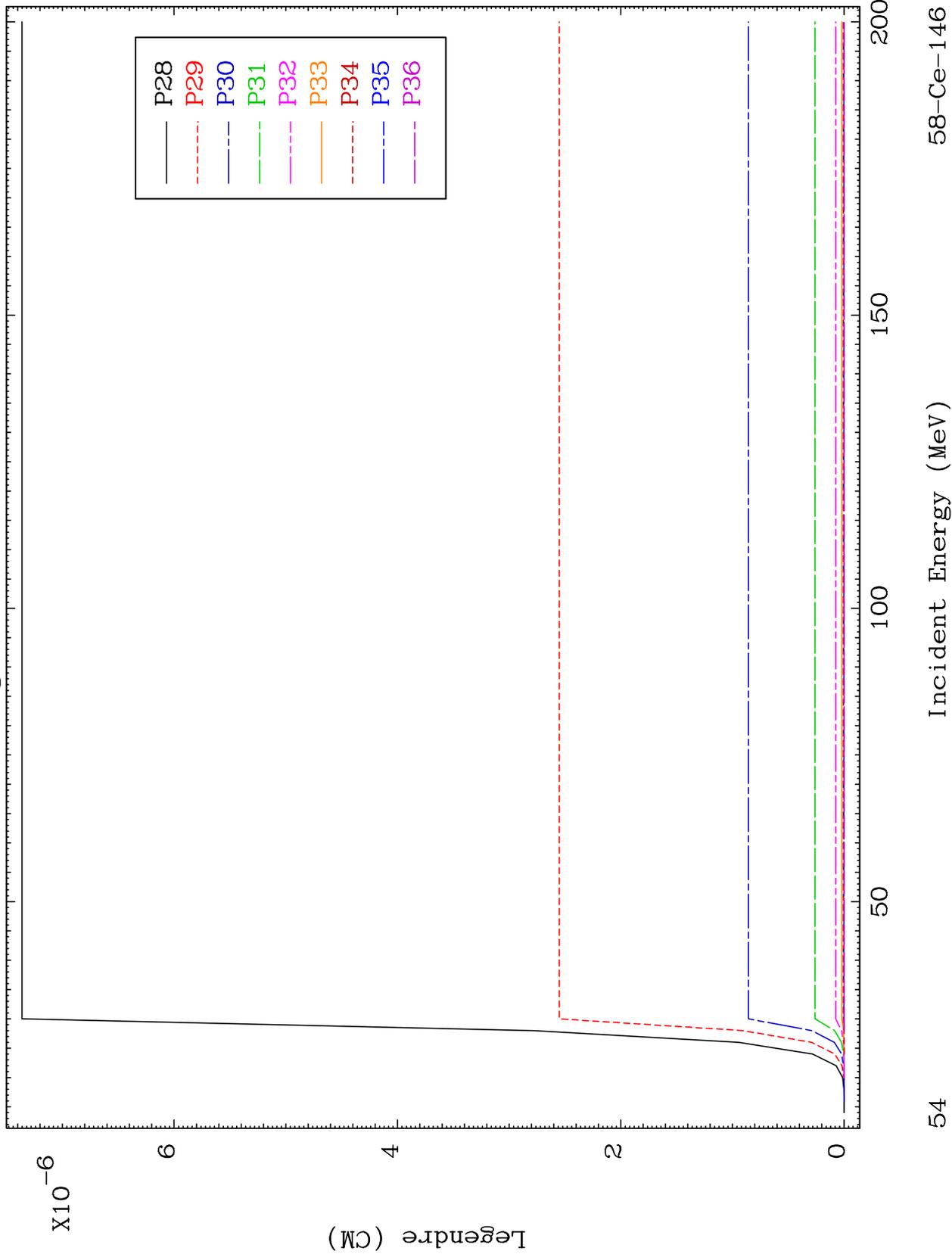
Incident Energy (MeV)

58-Ce-146

MAT 5855

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

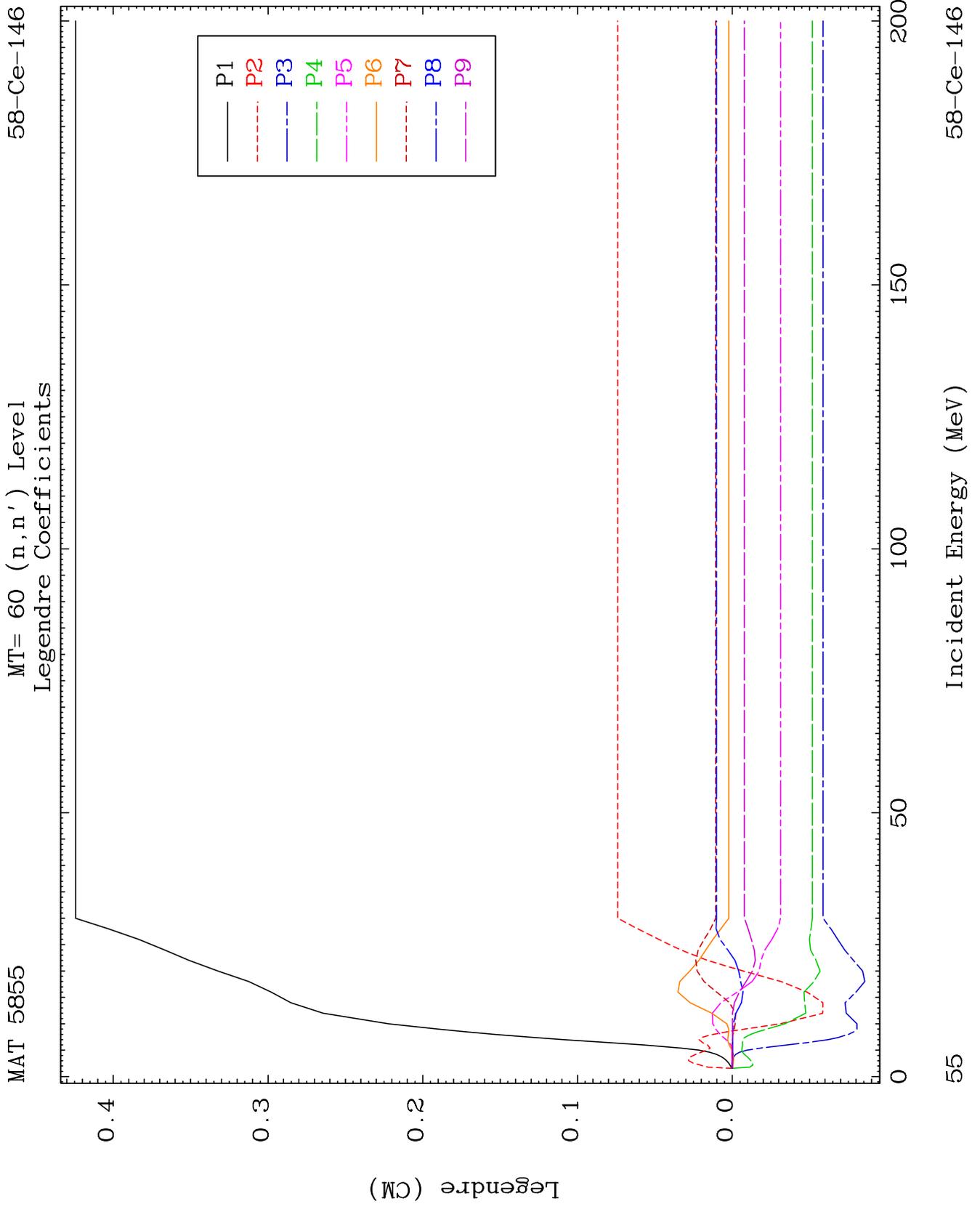
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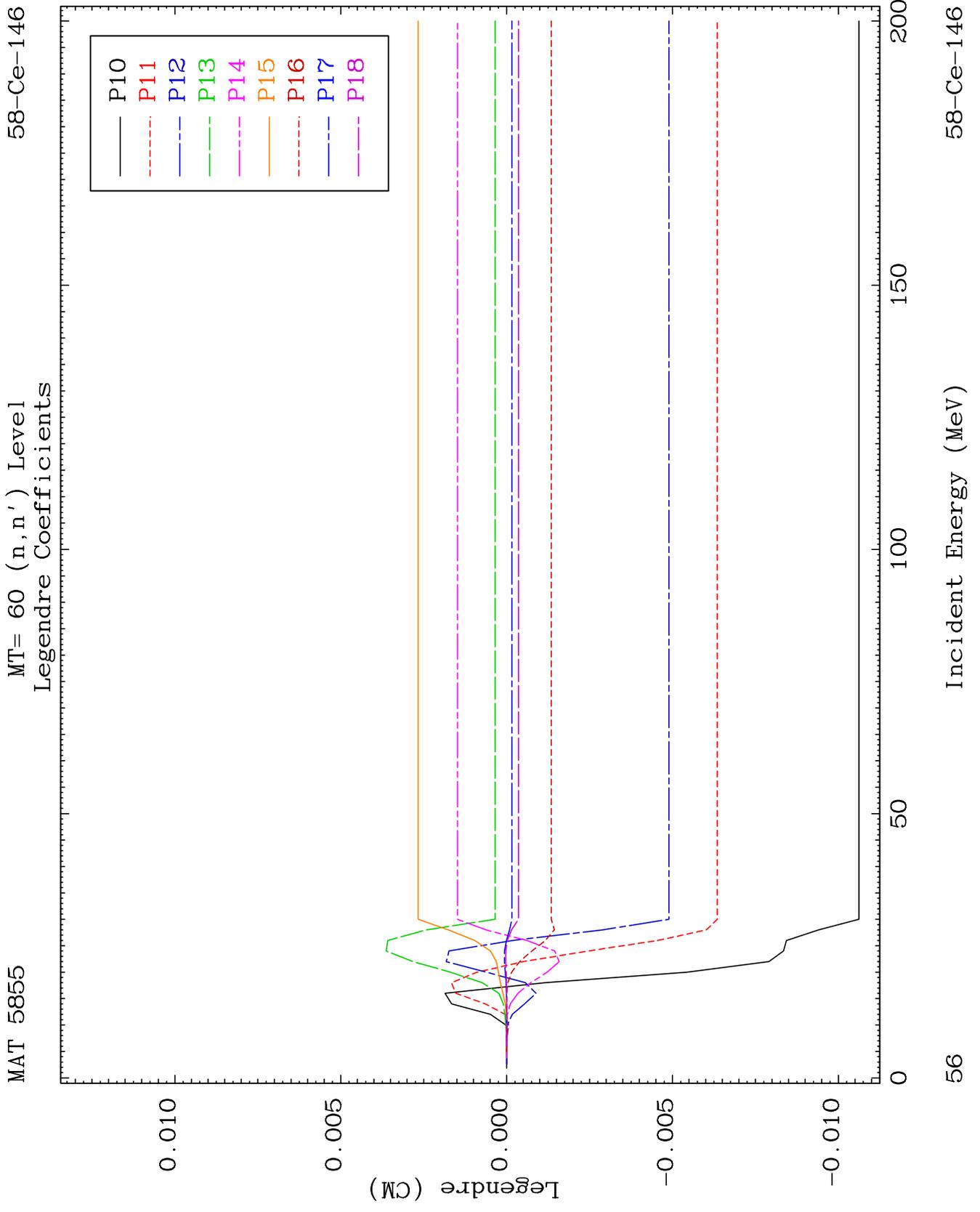


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Incident Energy (MeV)

58-Ce-146

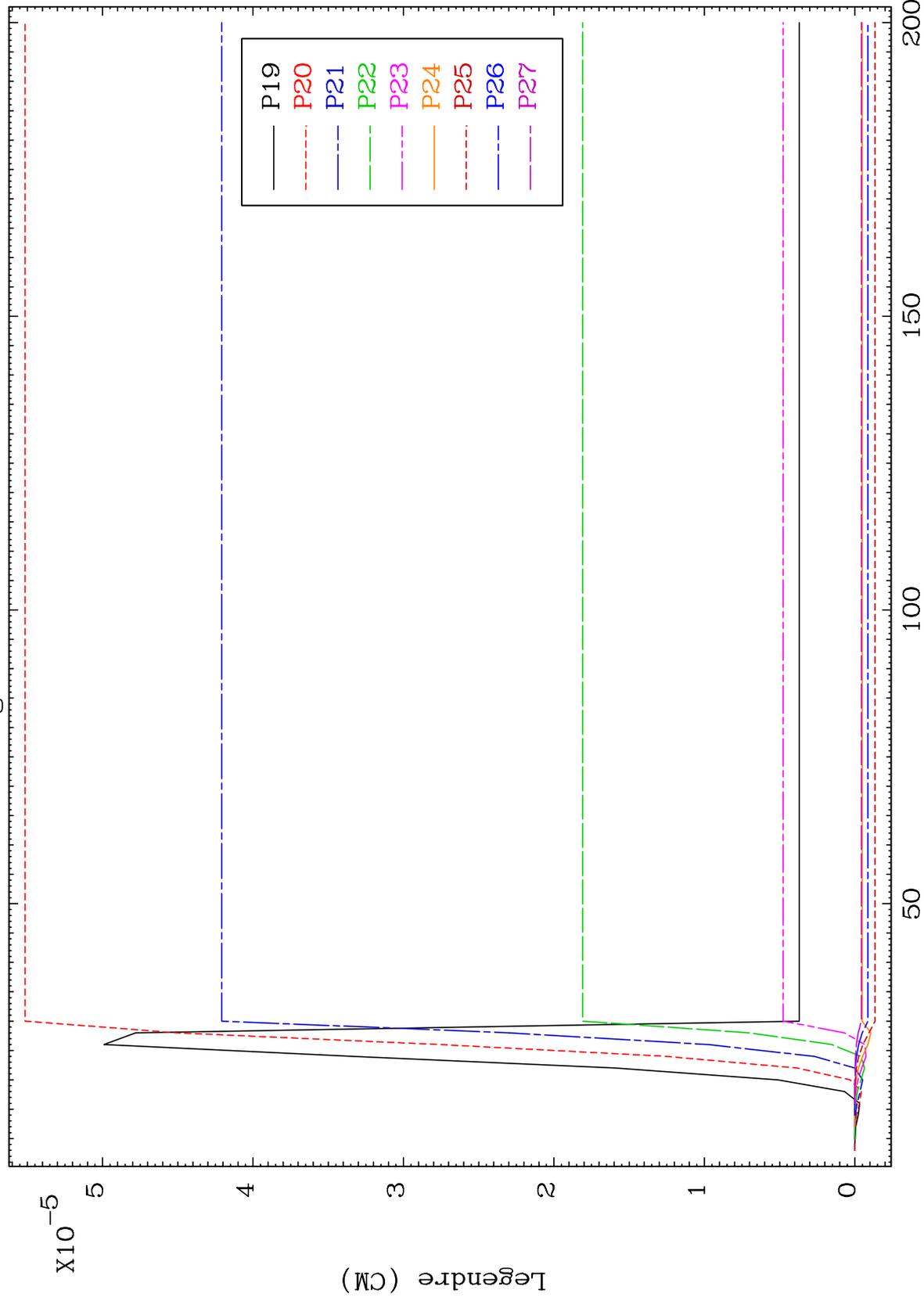




MAT 5855

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

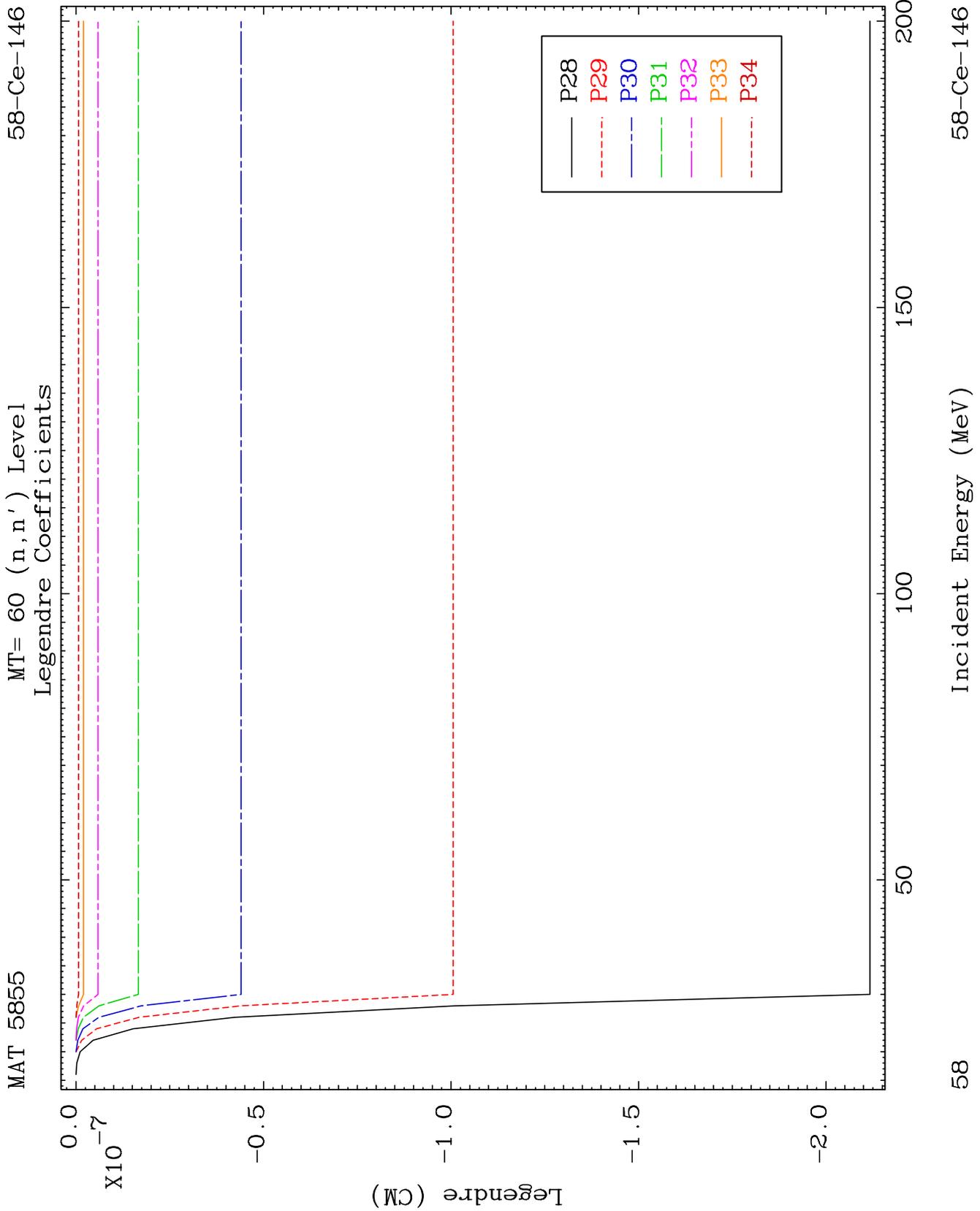
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57

Incident Energy (MeV)

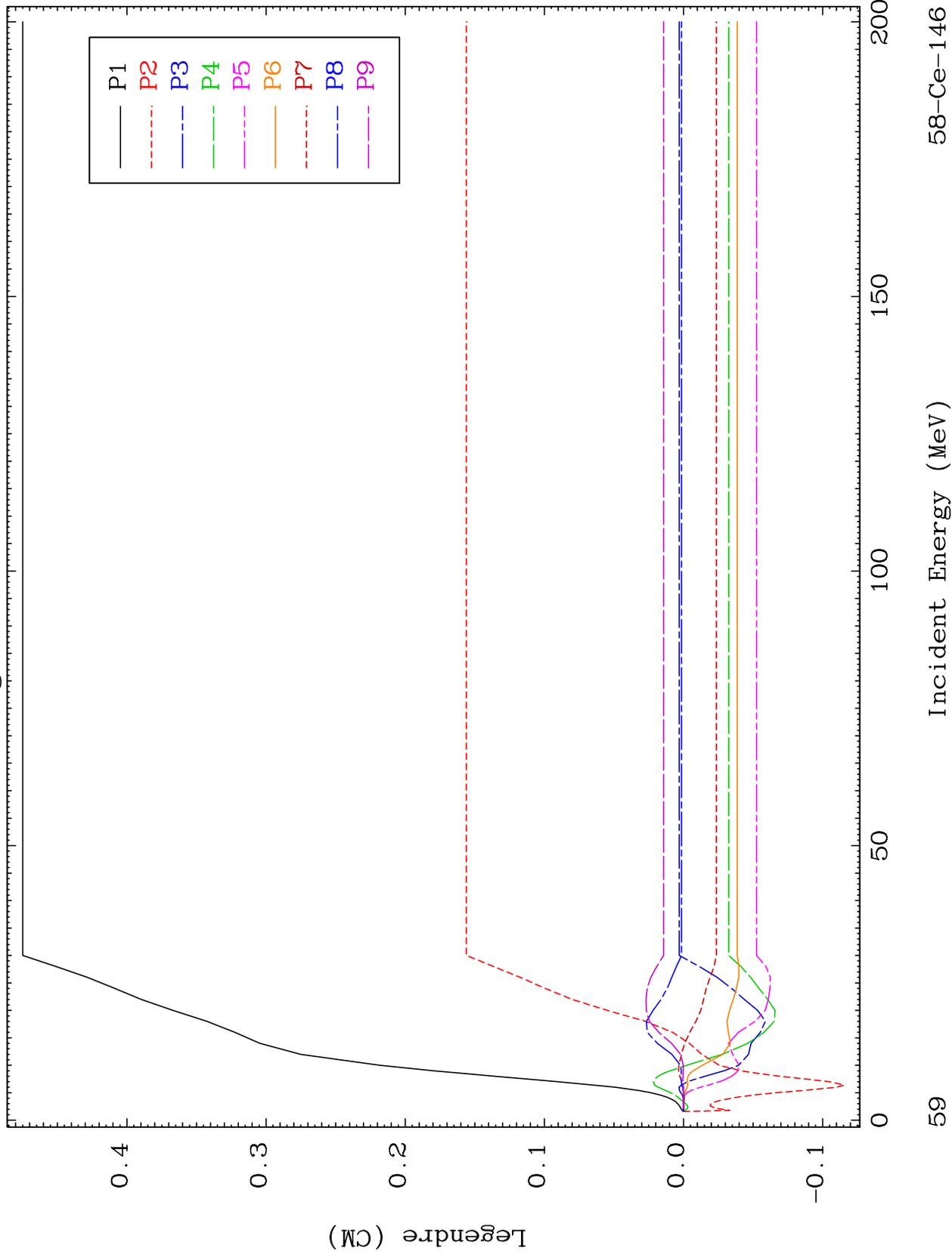
58-Ce-146



MAT 5855

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

58-Ce-146



58-Ce-146

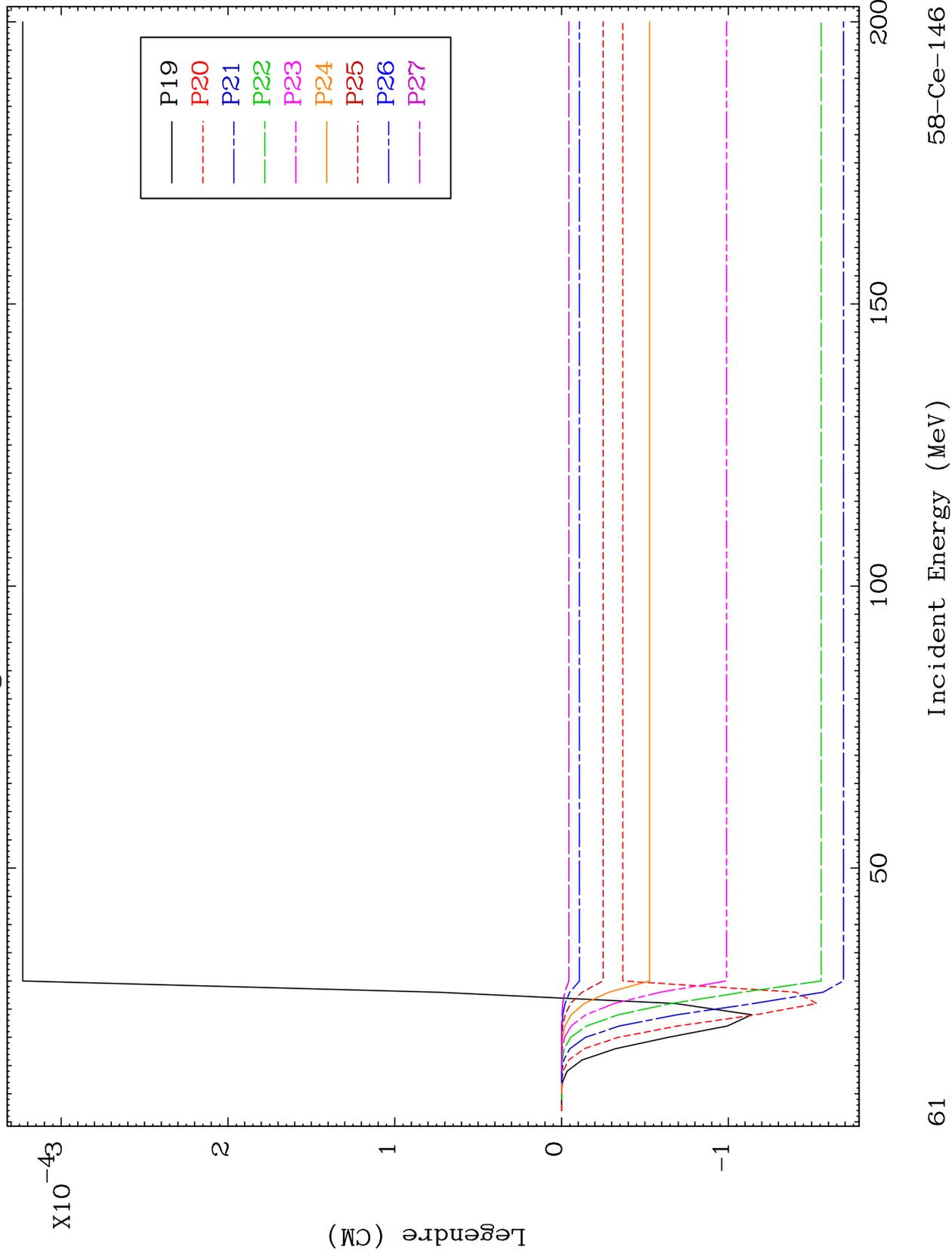
Incident Energy (MeV)

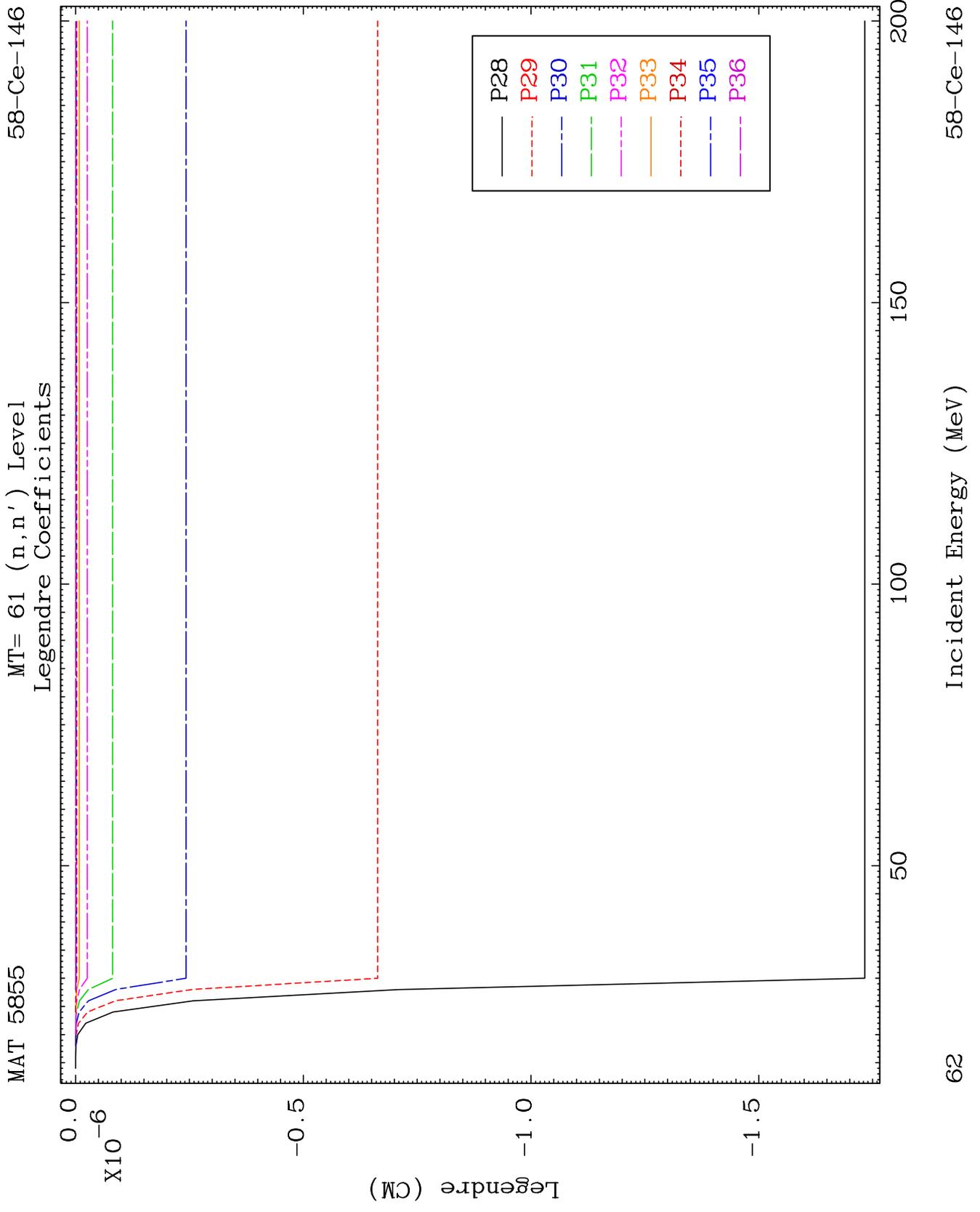
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MAT 5855

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

58-Ce-146

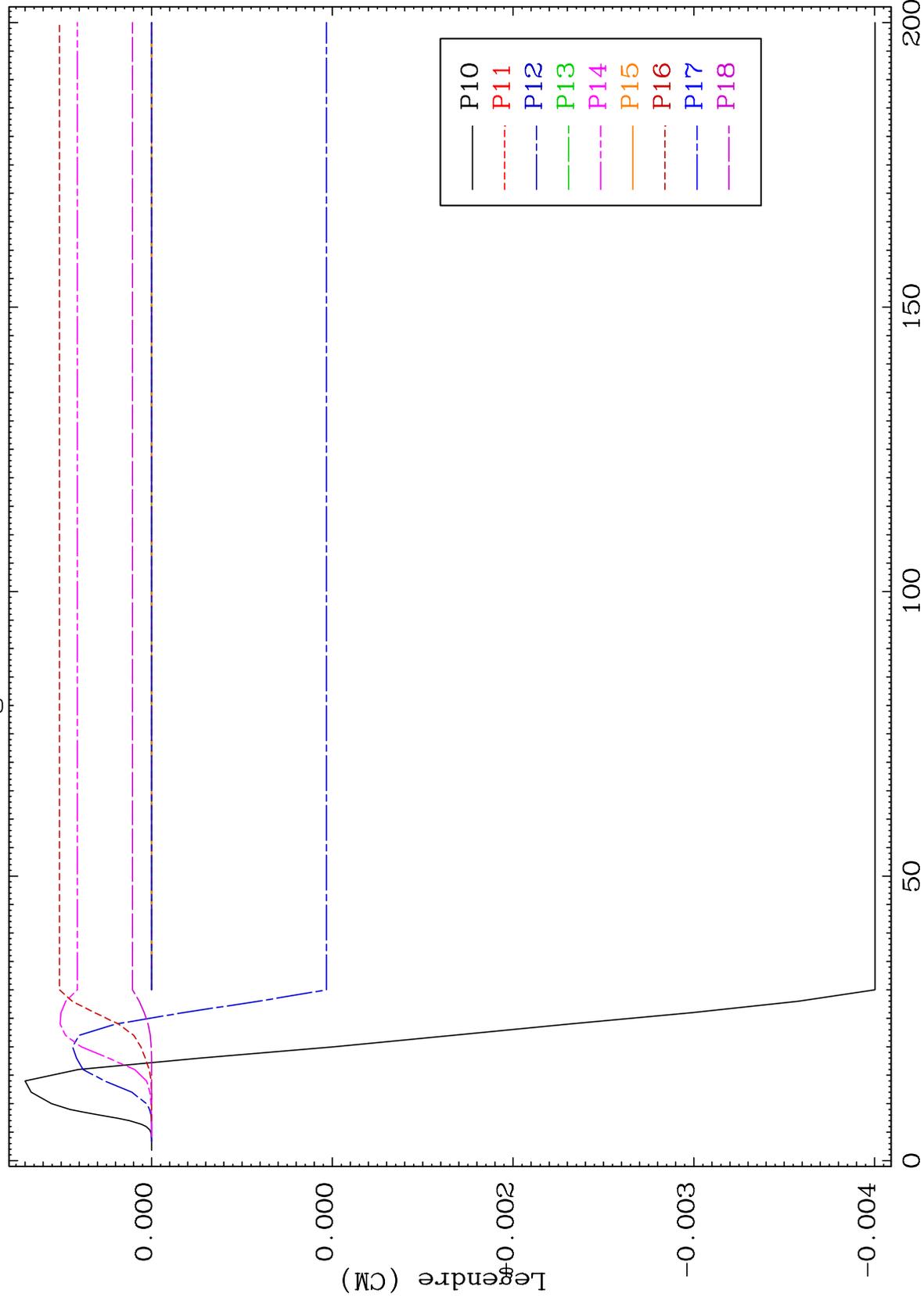




MAT 5855

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

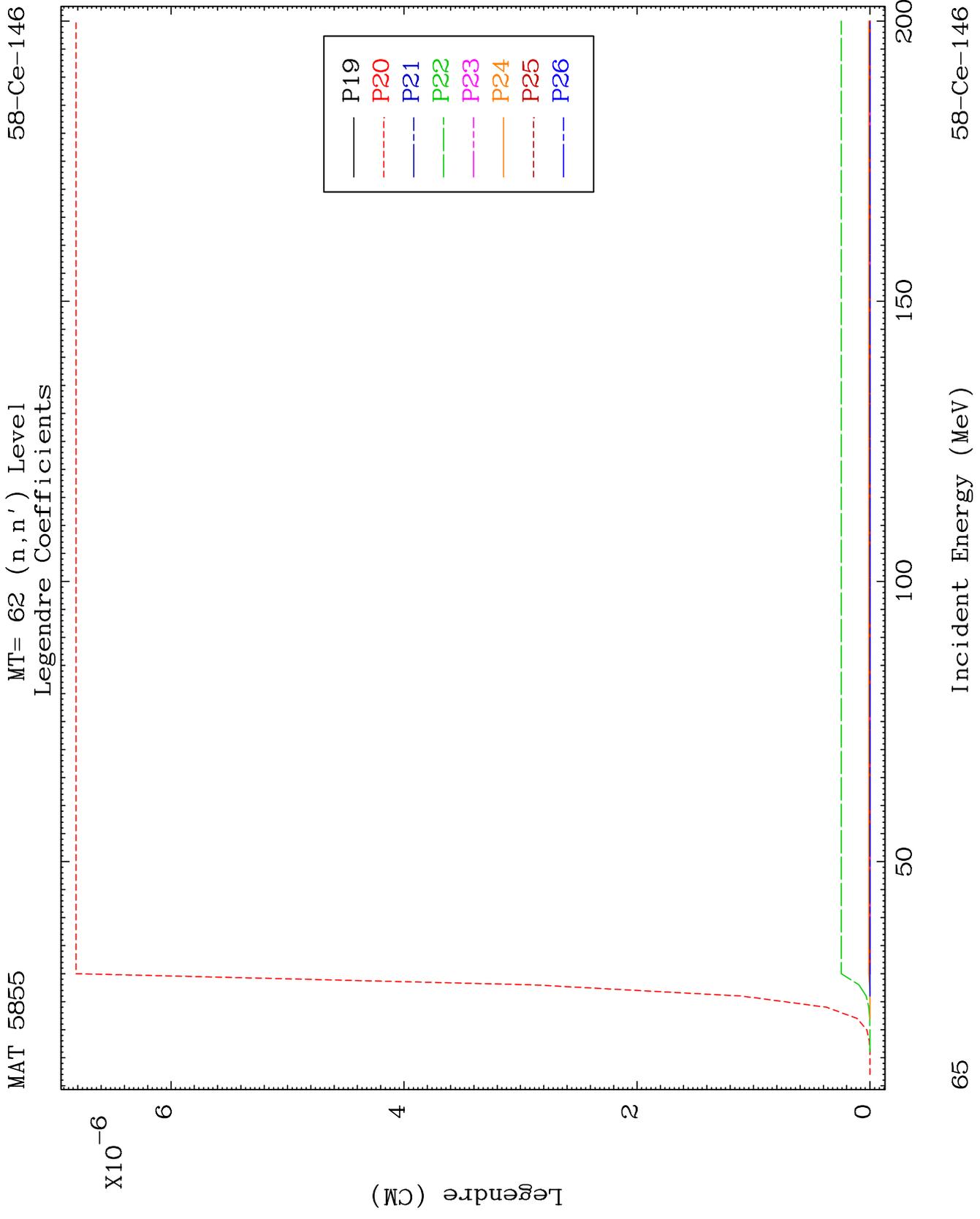
58-Ce-146



64

Incident Energy (MeV)

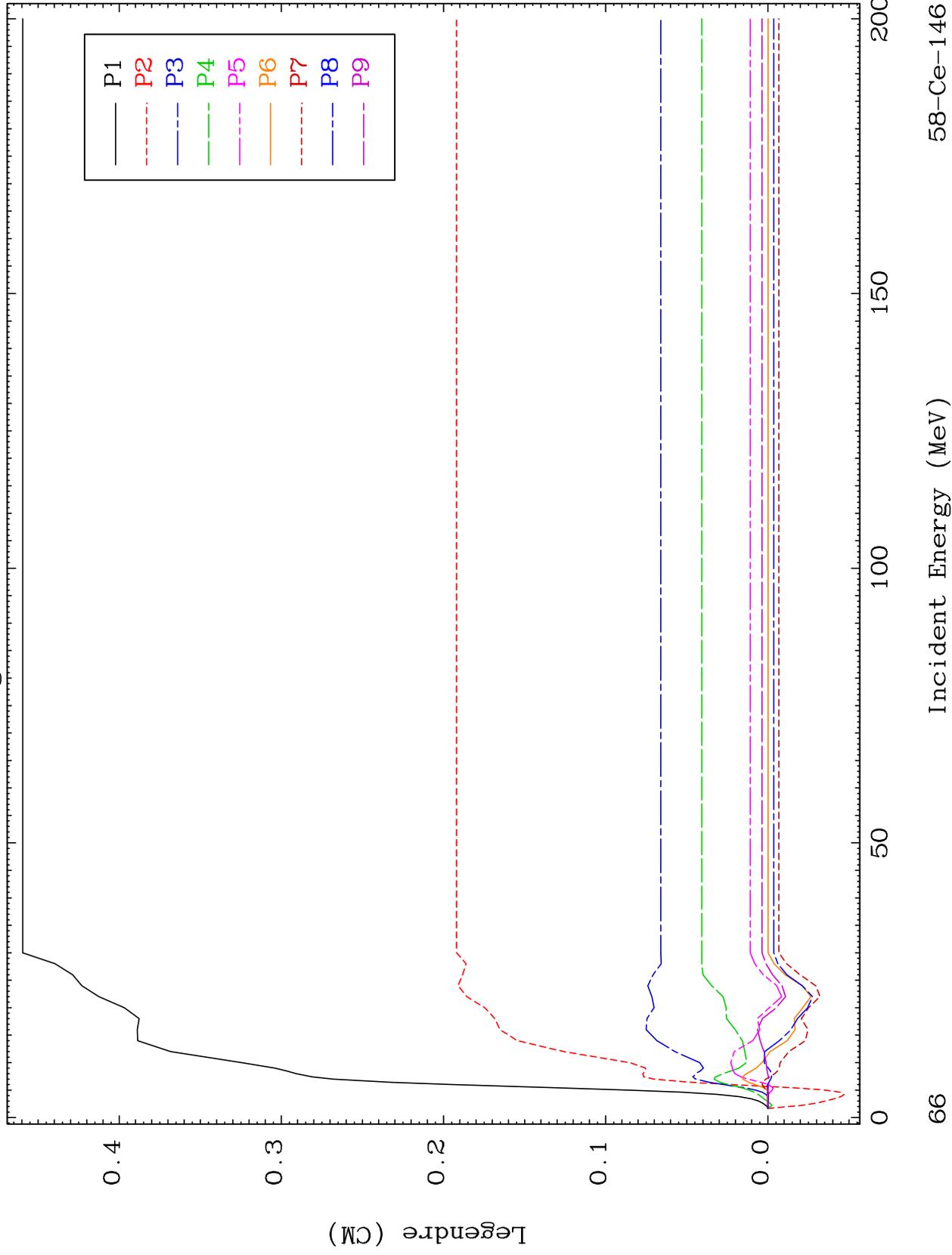
58-Ce-146



MAT 5855

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

58-Ce-146



58-Ce-146

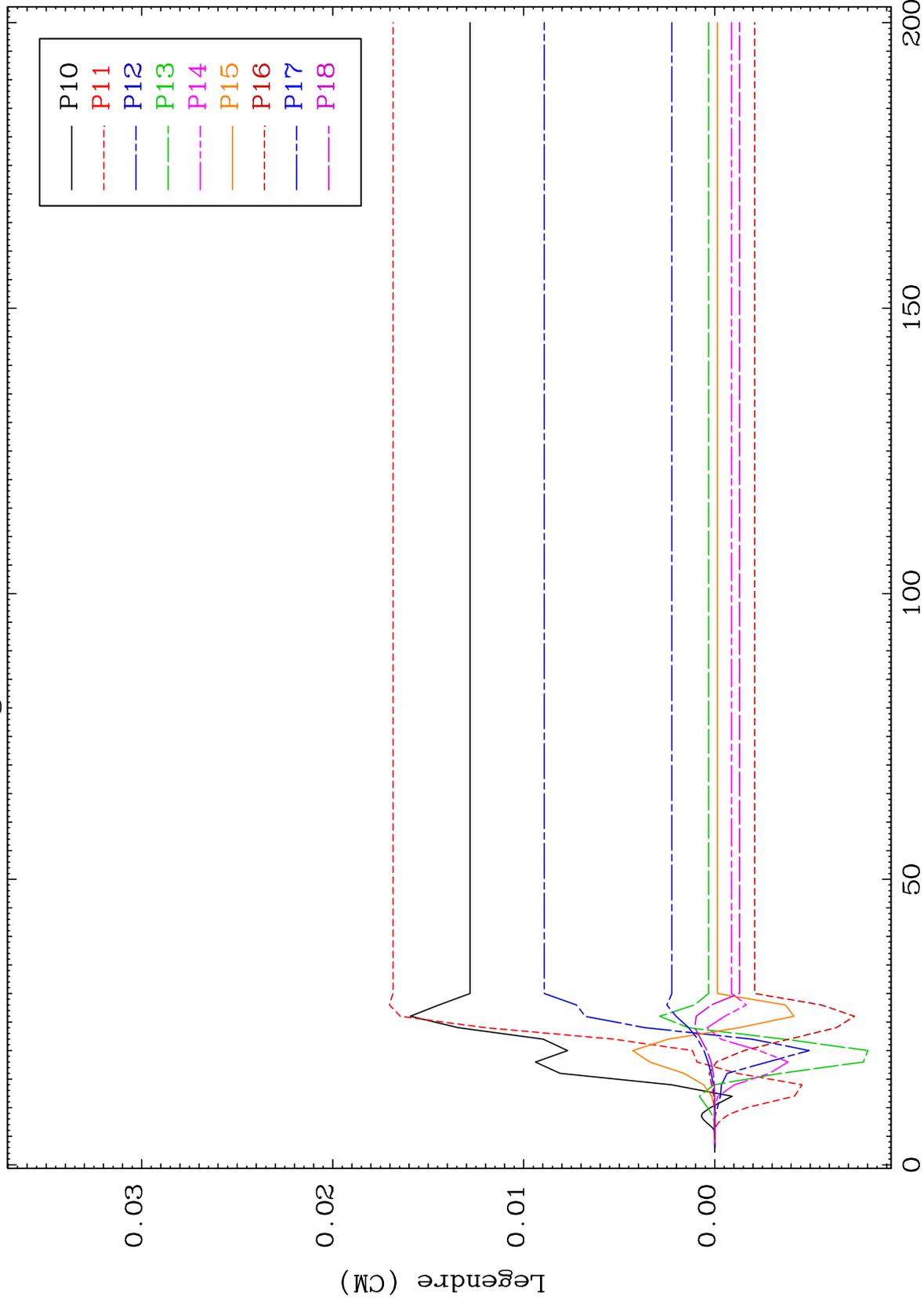
Incident Energy (MeV)

66

MAT 5855

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

58-Ce-146



67

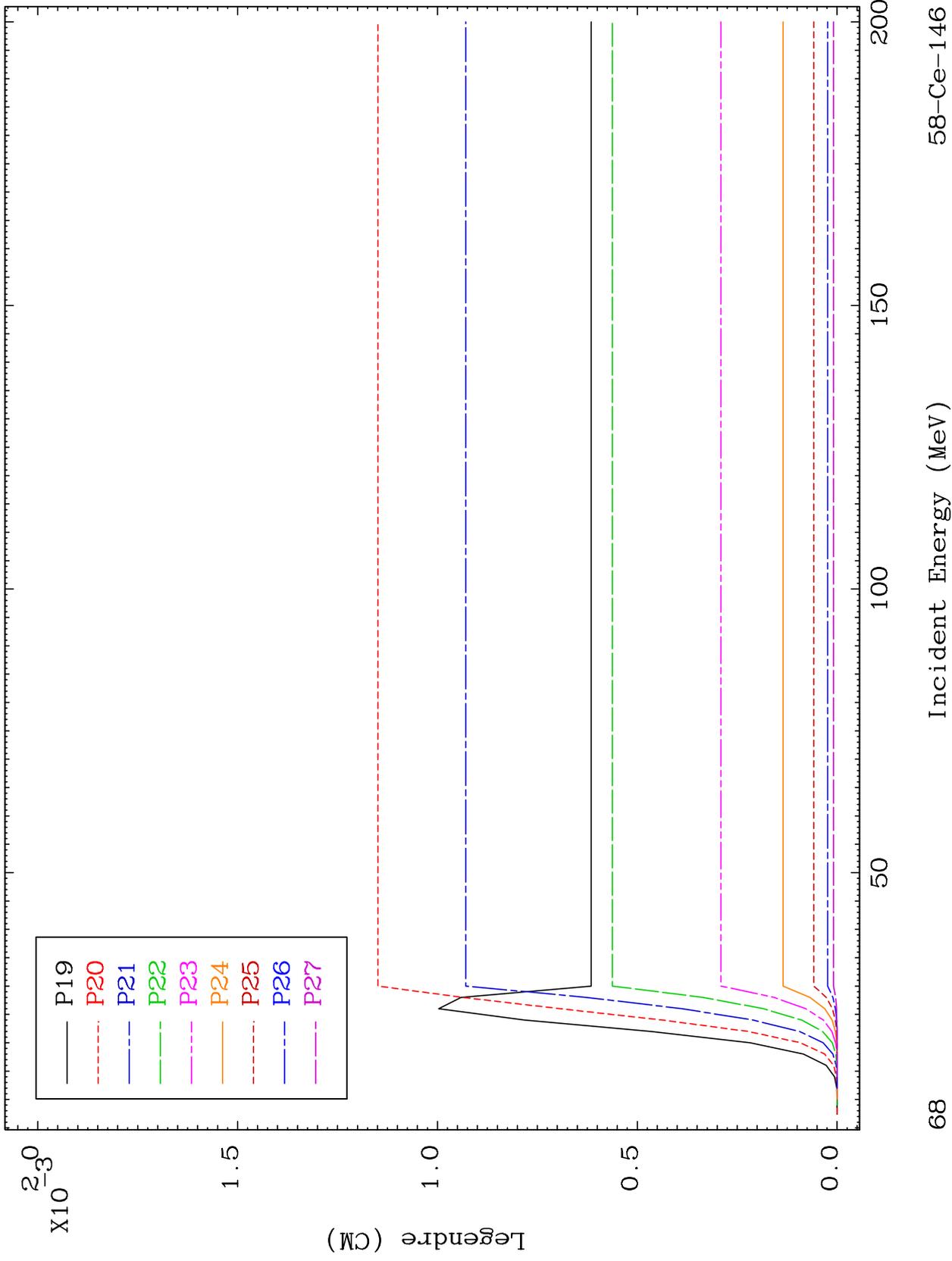
Incident Energy (MeV)

58-Ce-146

MAT 5855

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

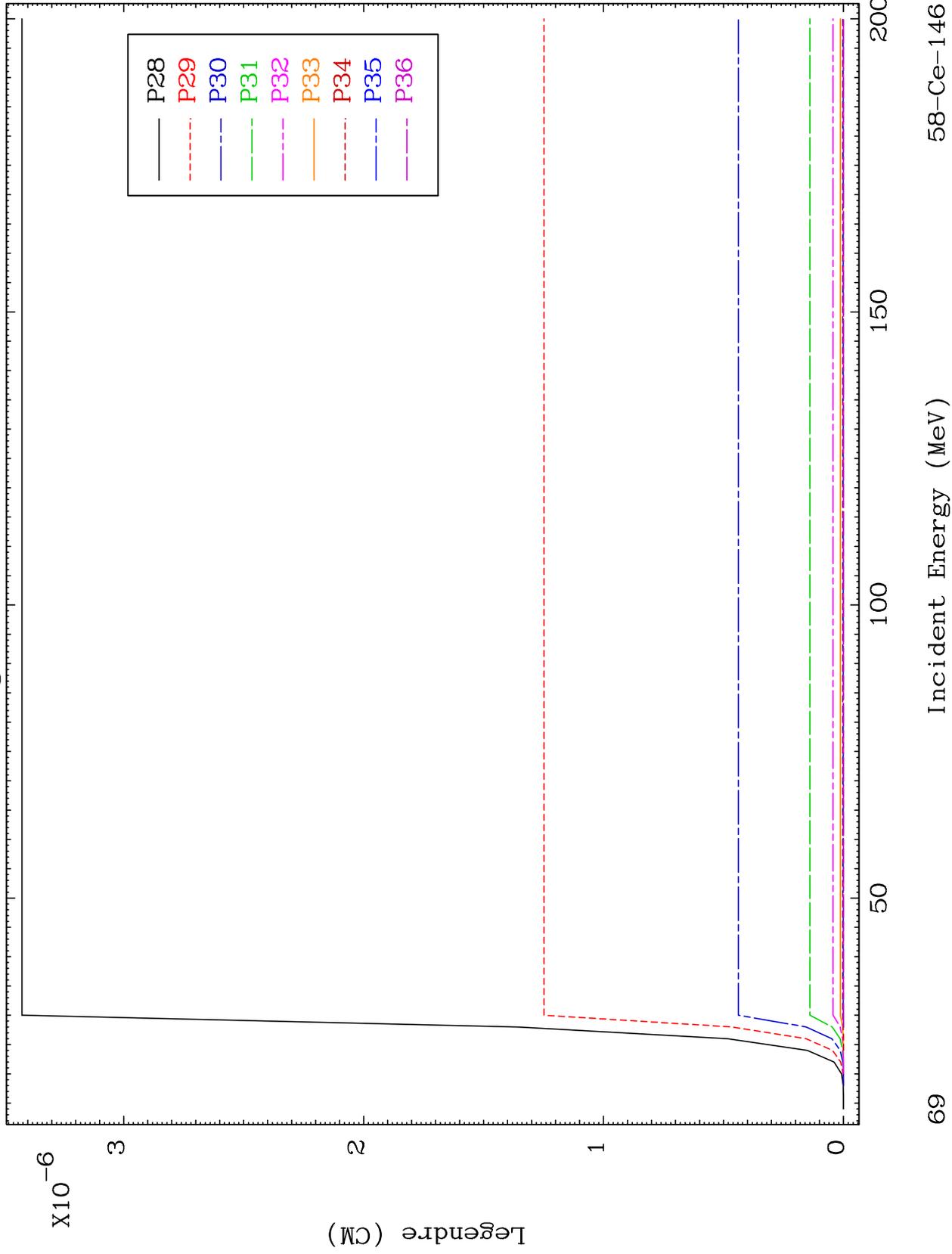
58-Ce-146

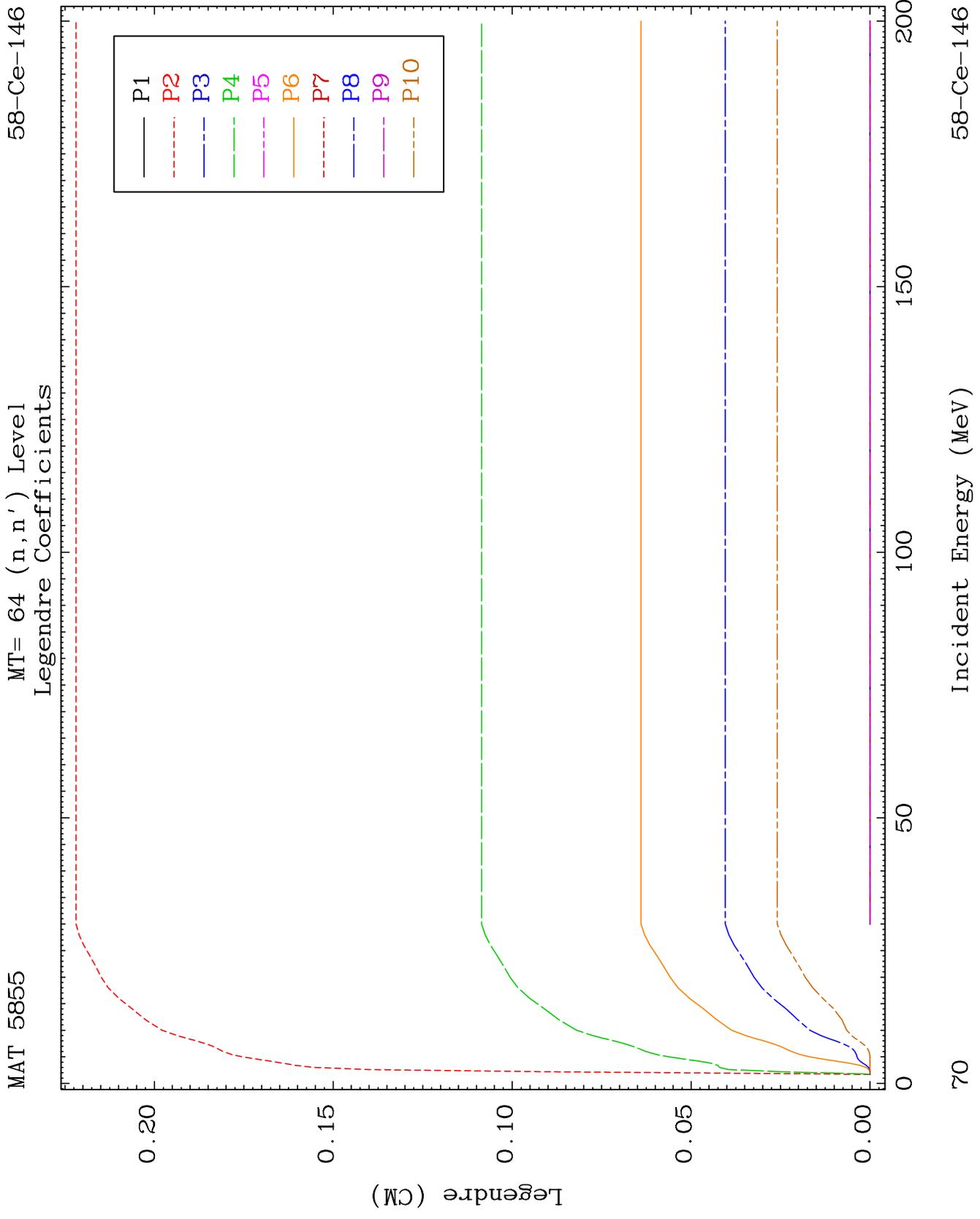


MAT 5855

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

58-Ce-146



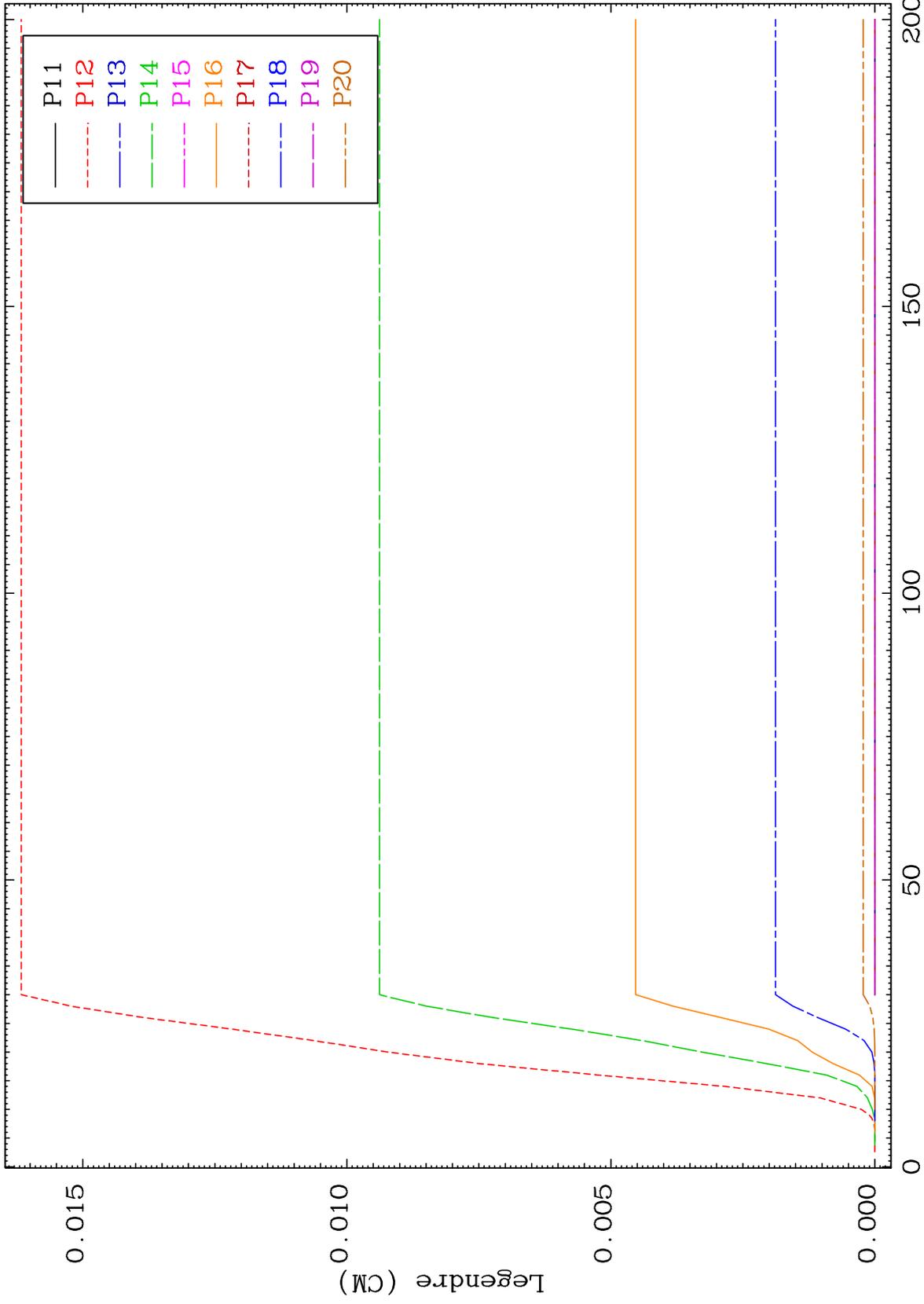


MAT 5855

MT= 64 (n,n') Level

58-Ce-146

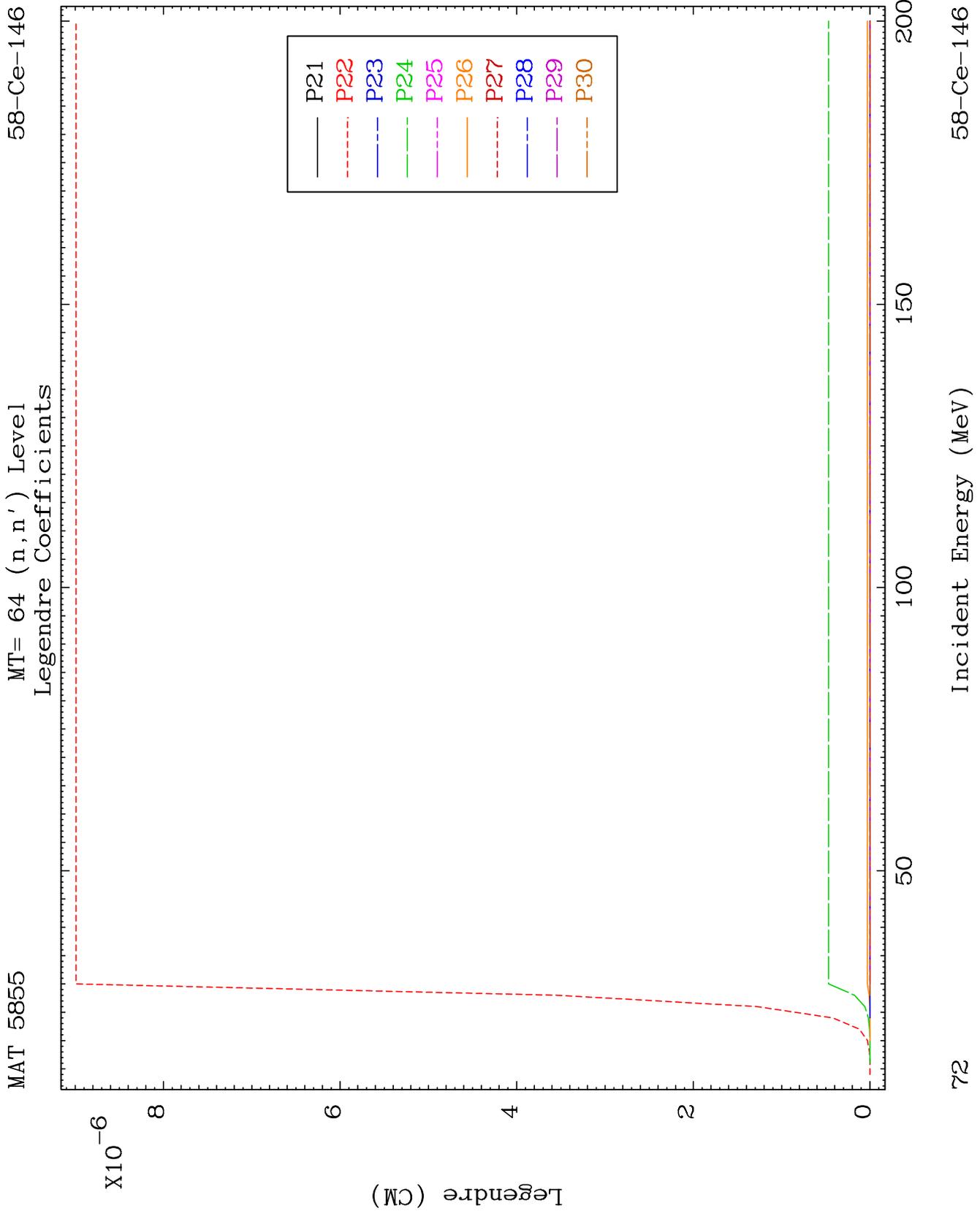
Legendre Coefficients



71

Incident Energy (MeV)

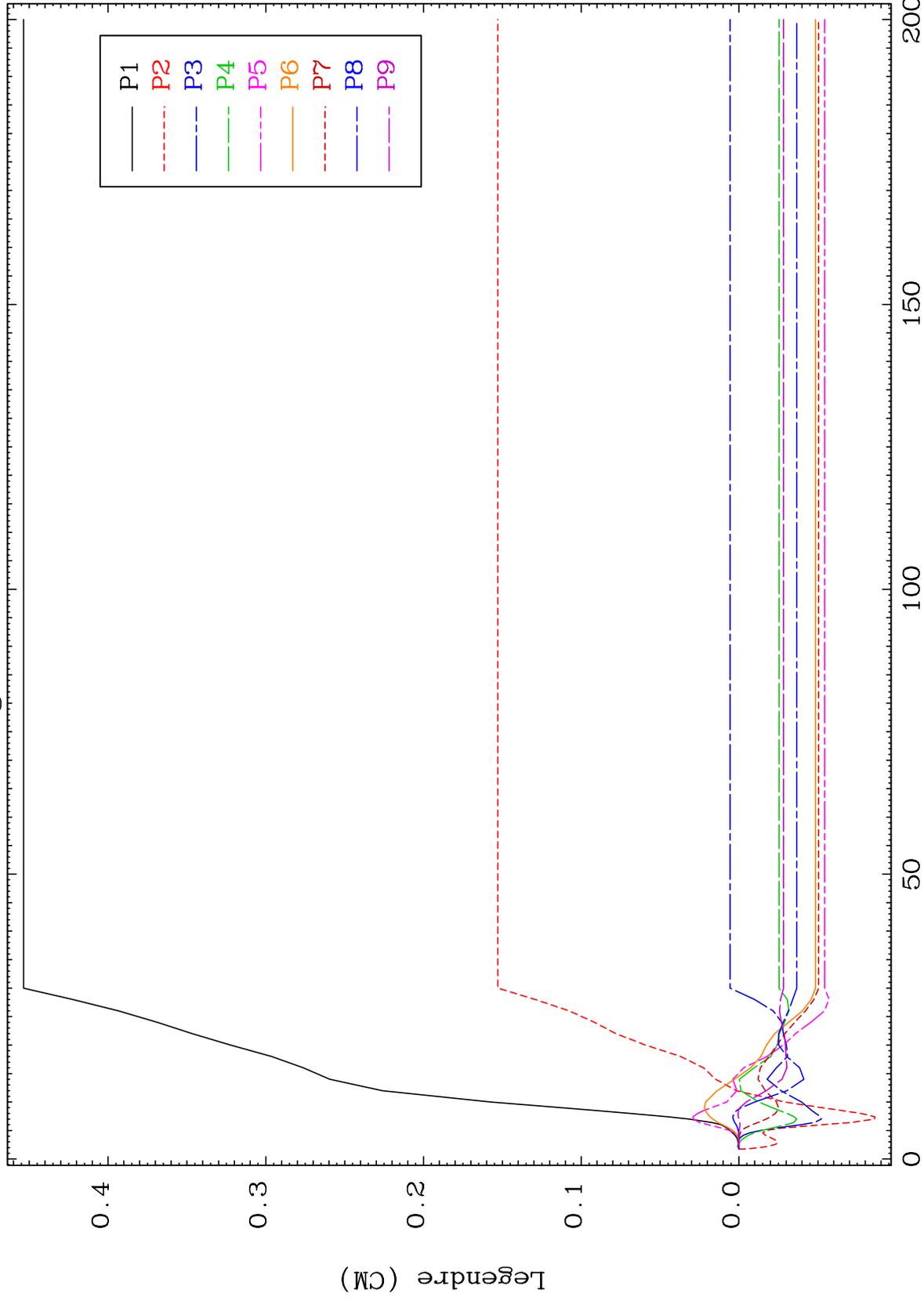
58-Ce-146



MAT 5855

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

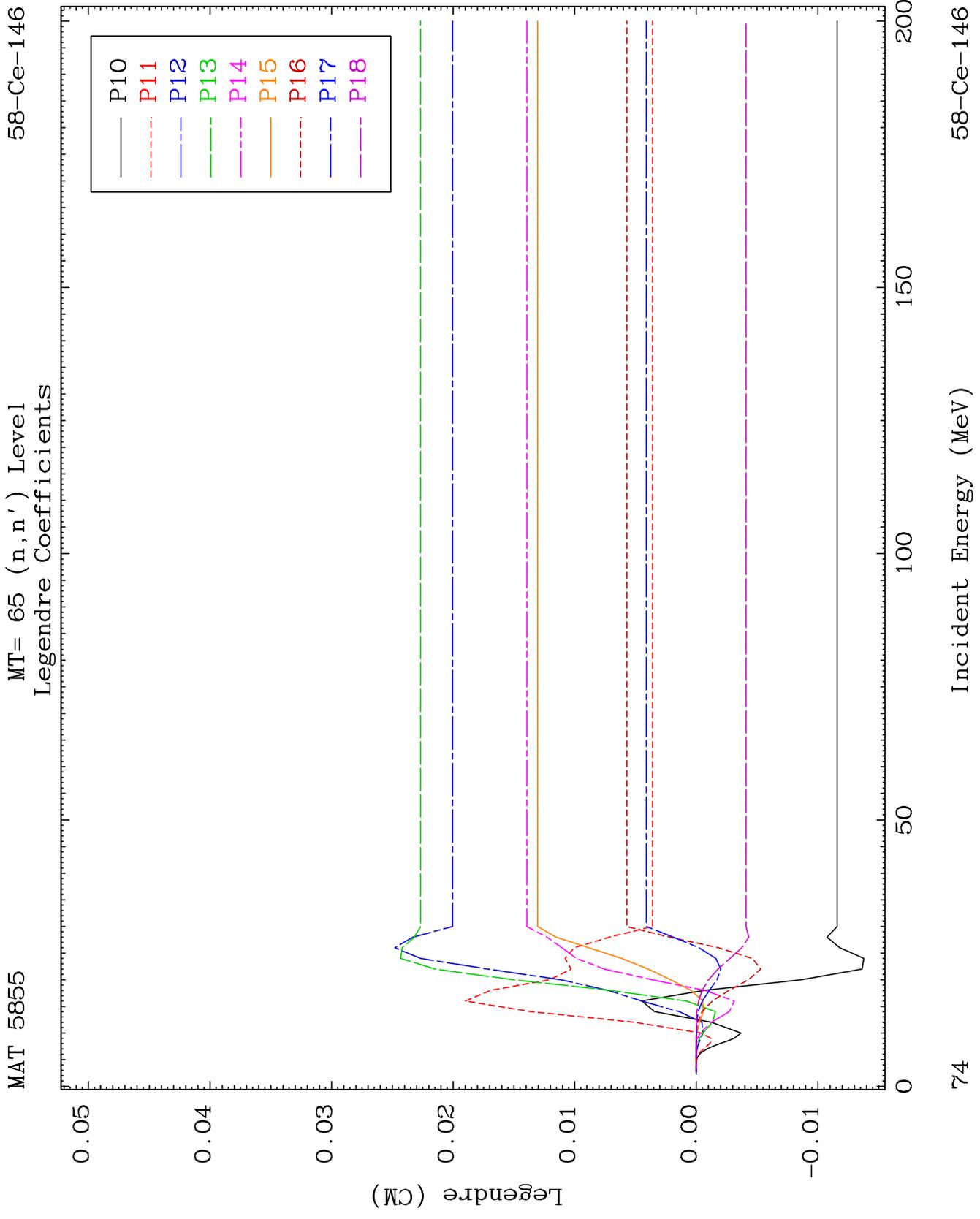
58-Ce-146



58-Ce-146

Incident Energy (MeV)

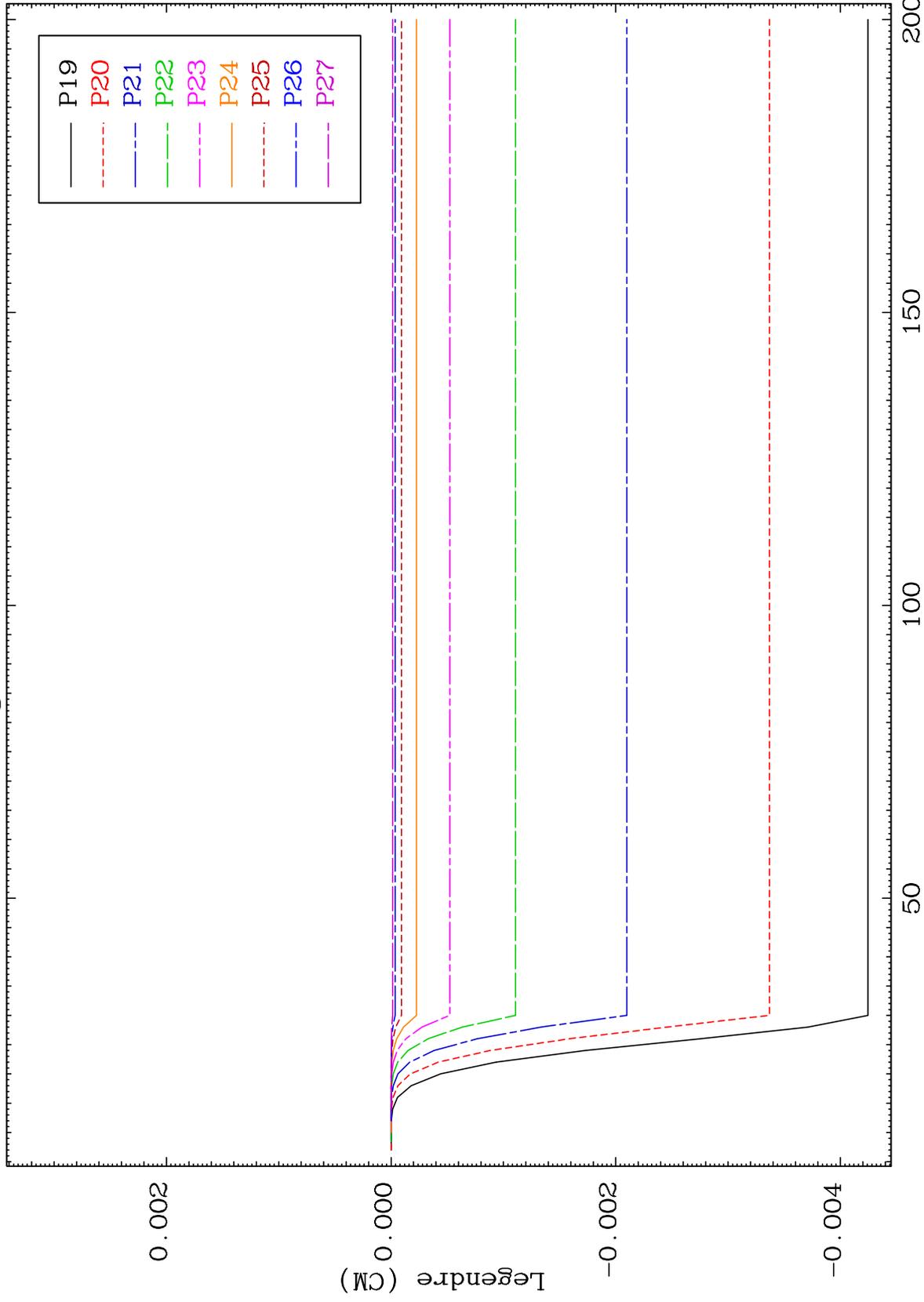
73



MAT 5855

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

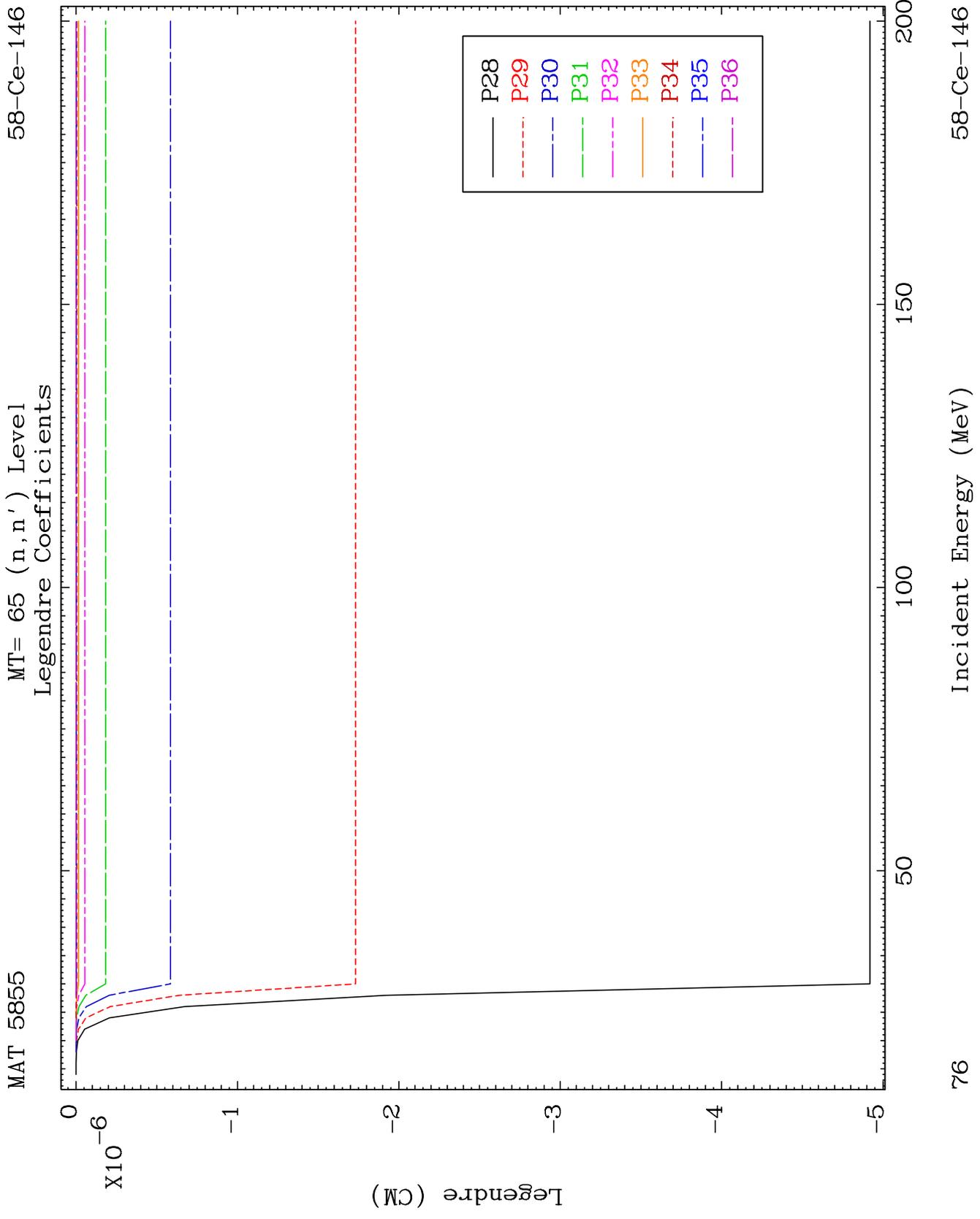
58-Ce-146



75

Incident Energy (MeV)

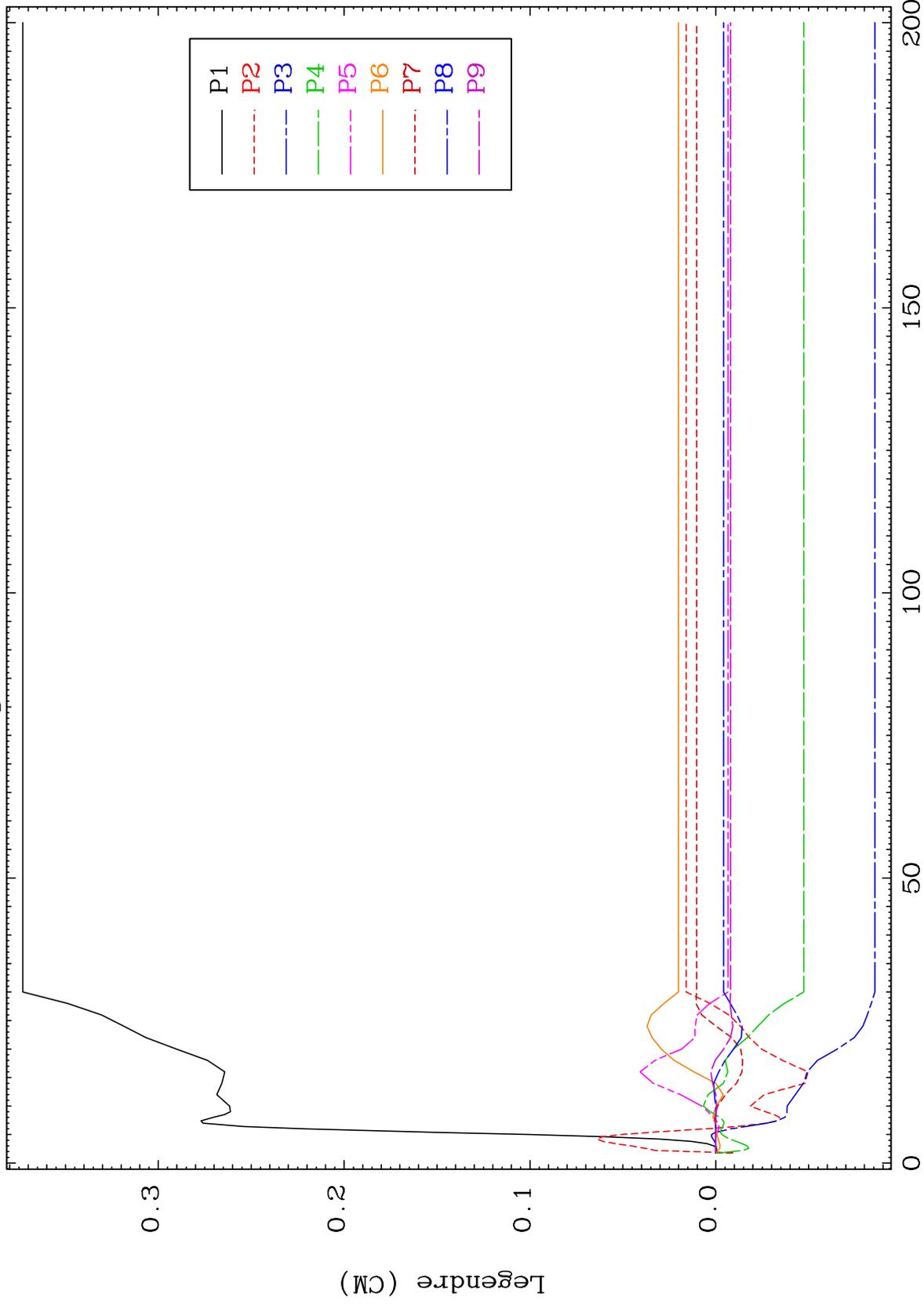
58-Ce-146



MAT 5855

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

58-Ce-146



77

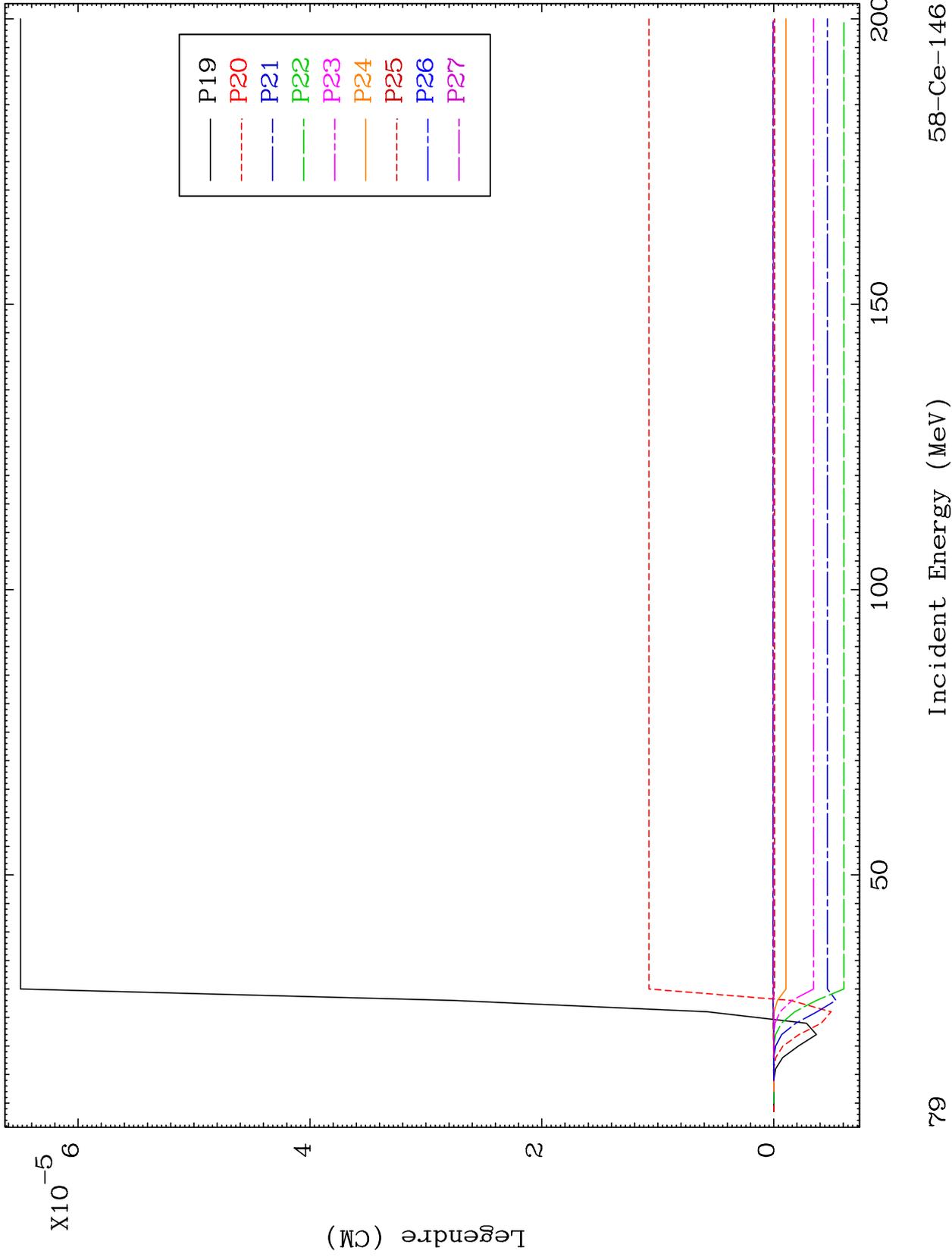
Incident Energy (MeV)

58-Ce-146

MAT 5855

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

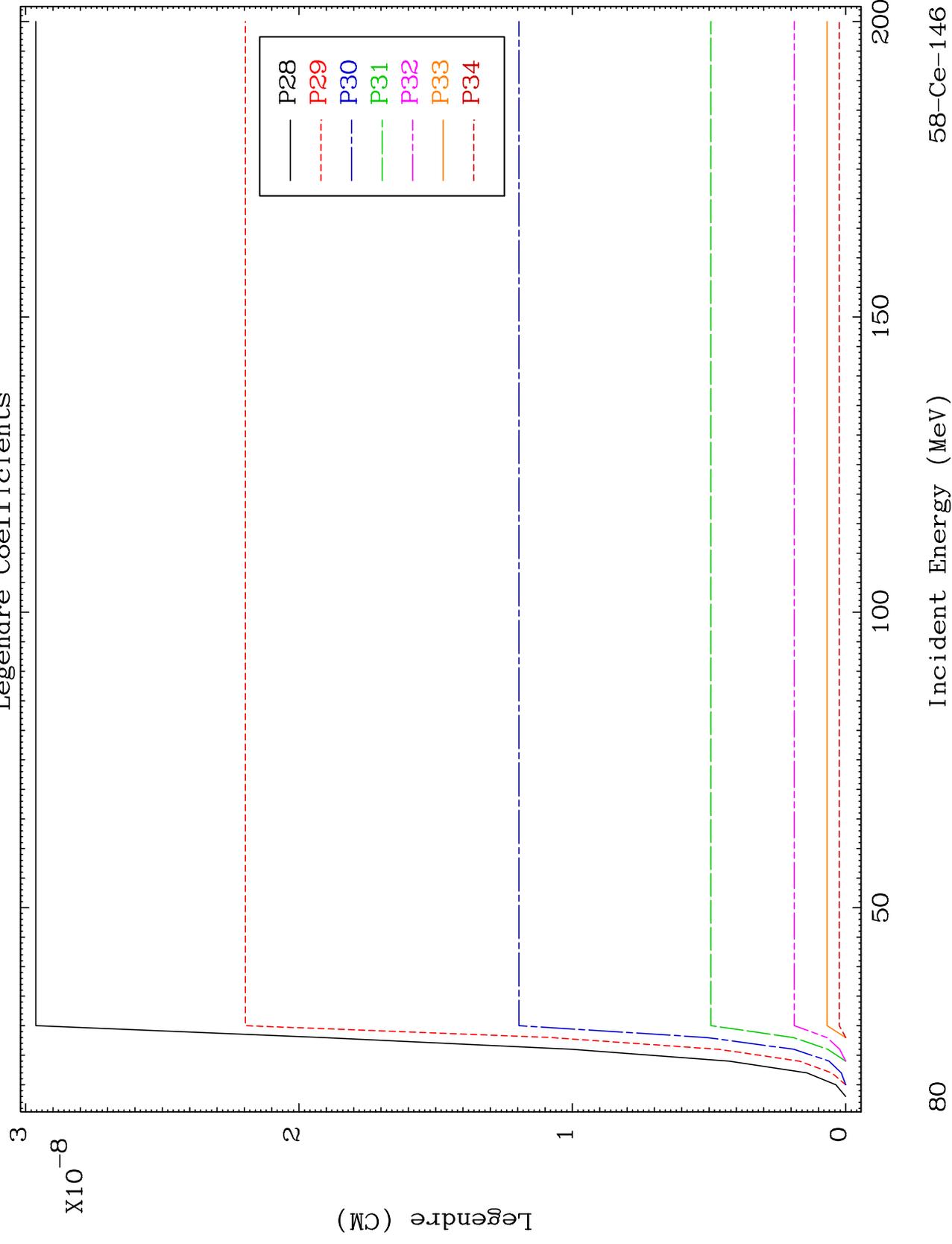
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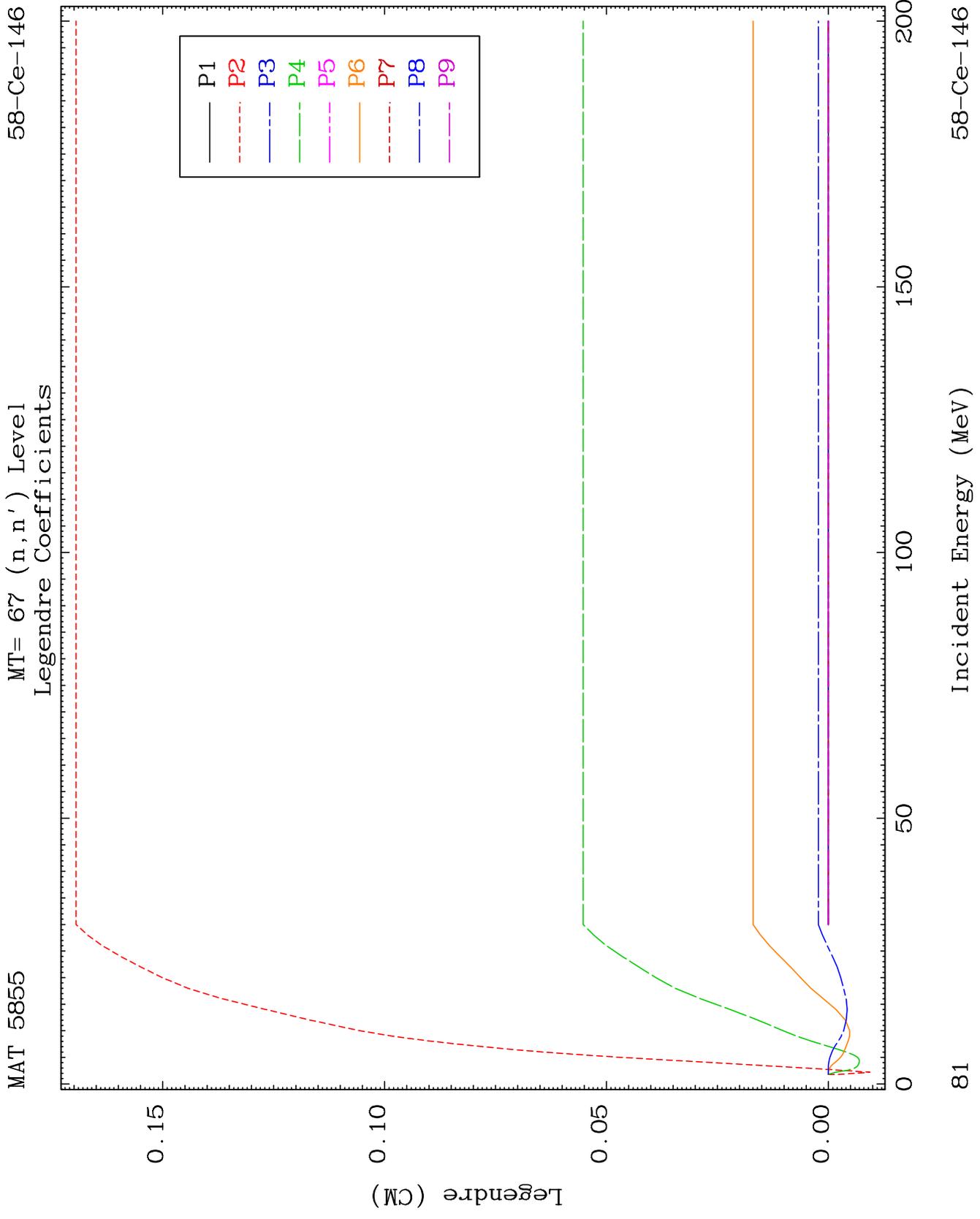


MAT 5855

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

58-Ce-146

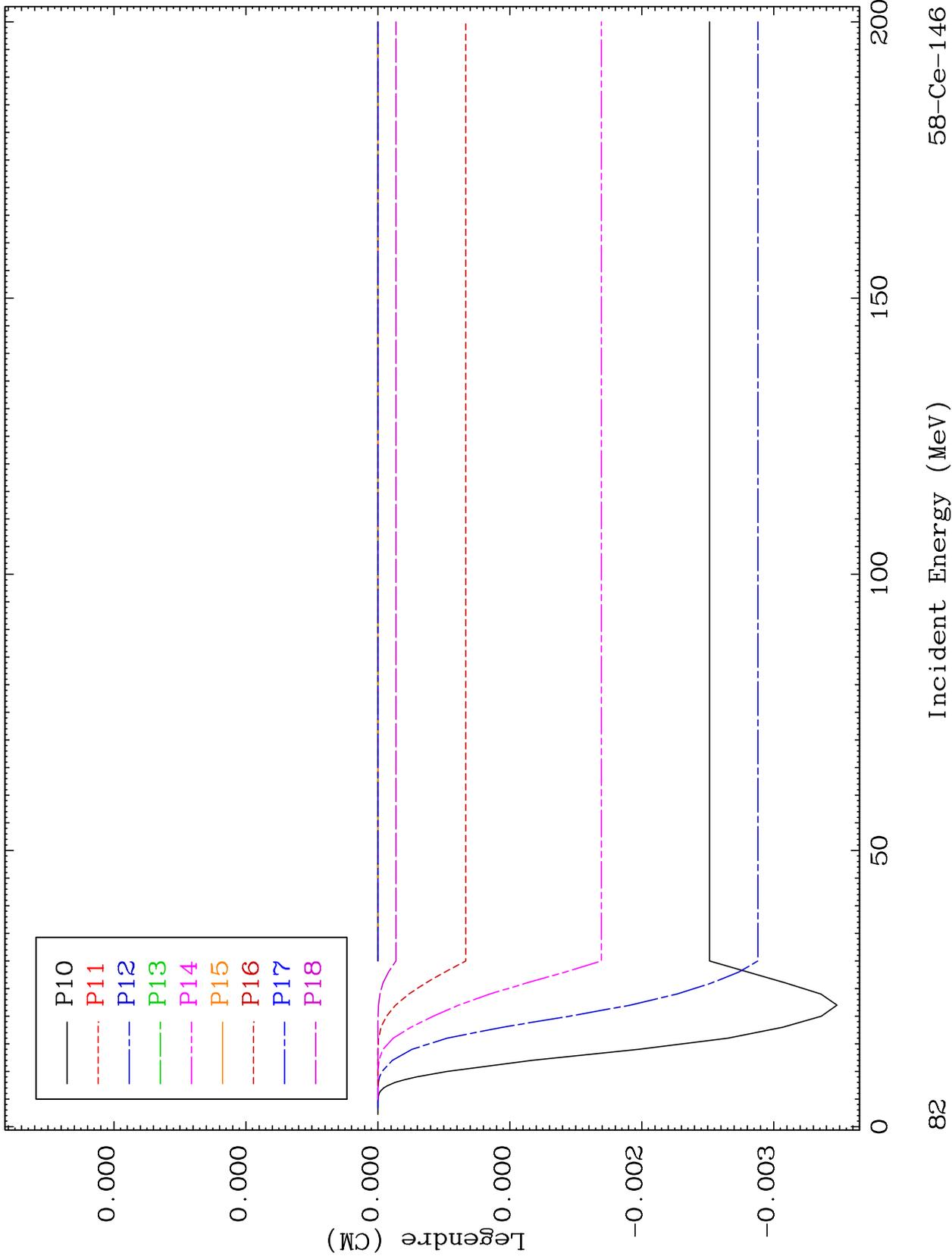




MAT 5855

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

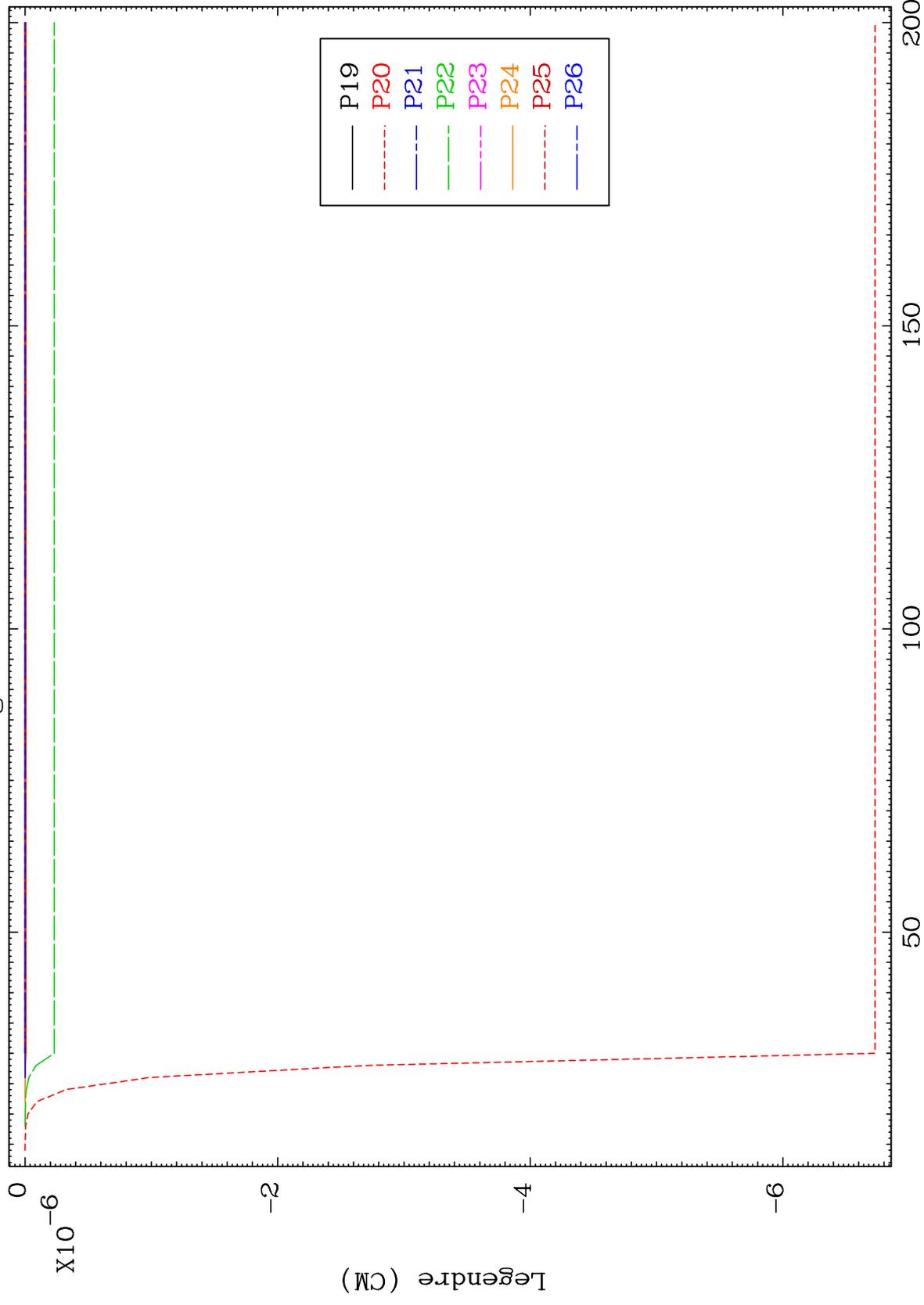
58-Ce-146



MAT 5855

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

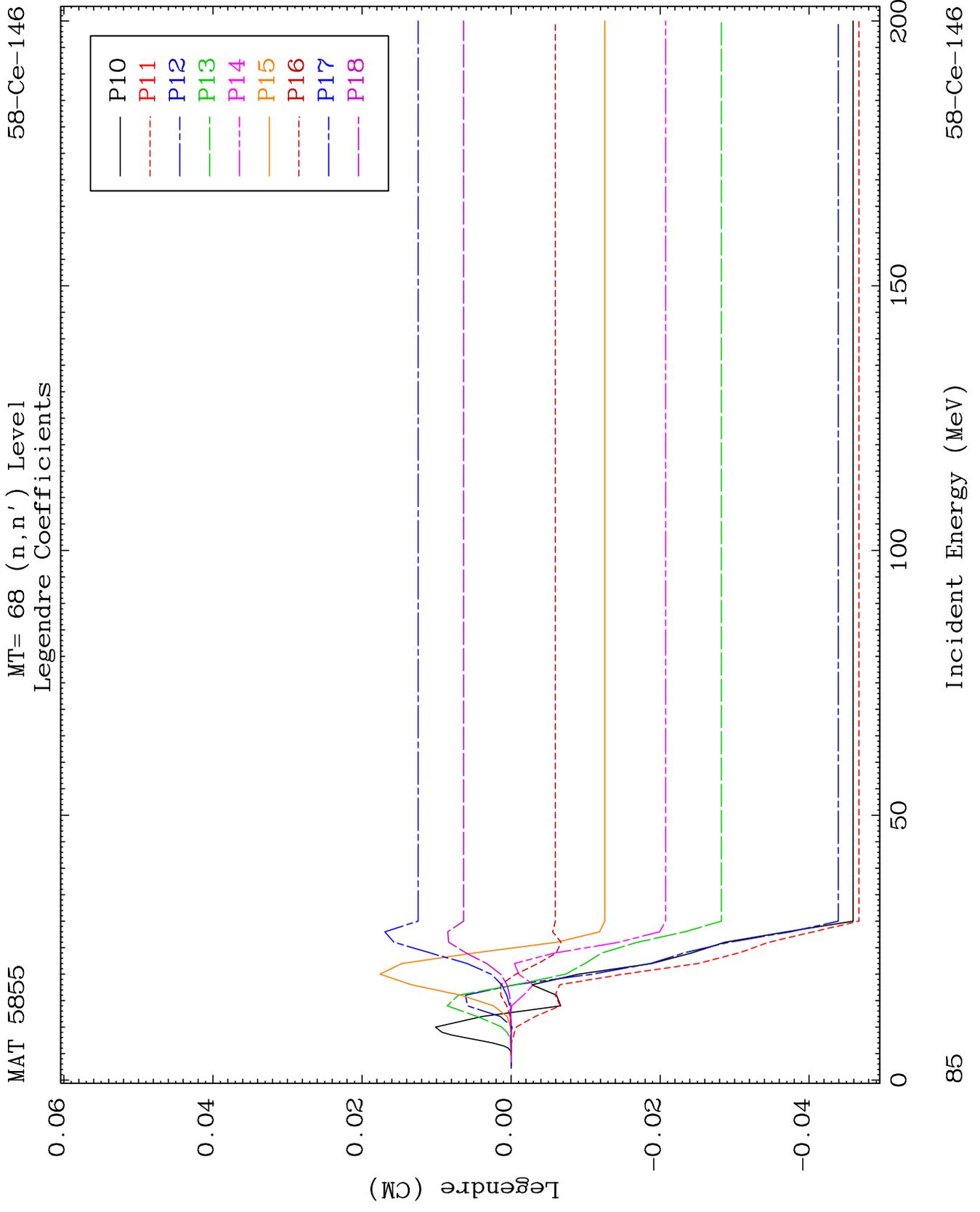
58-Ce-146

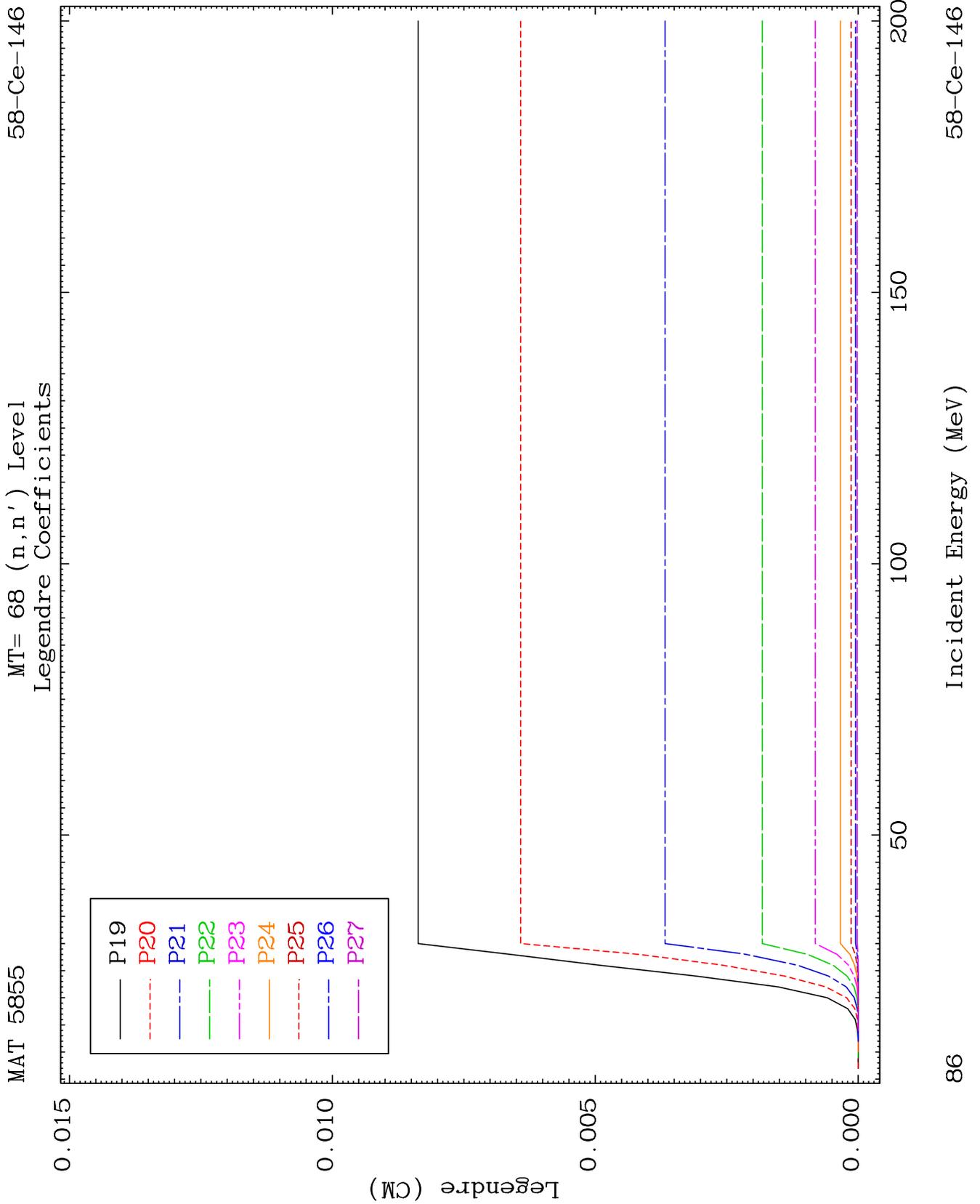


83

Incident Energy (MeV)

58-Ce-146

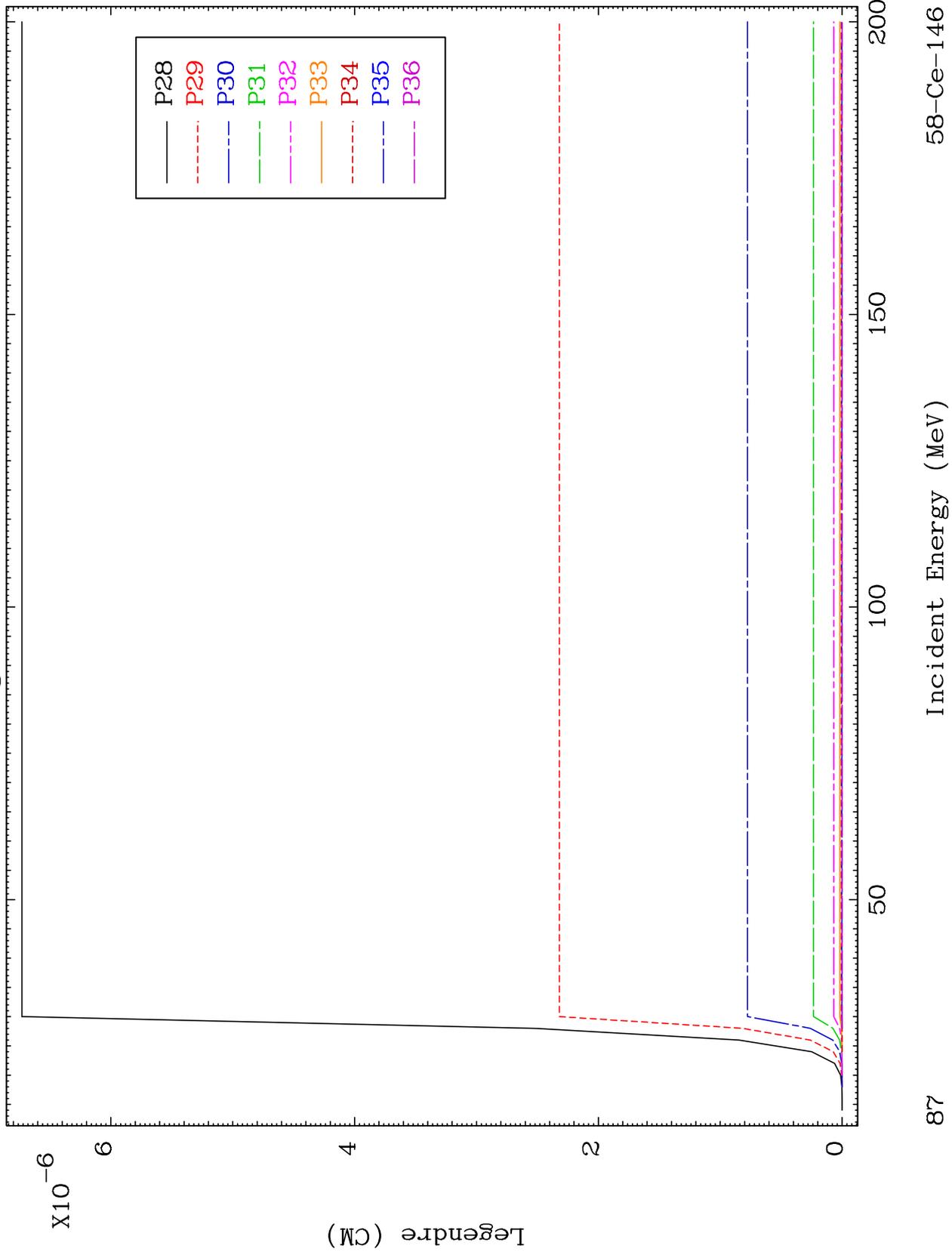


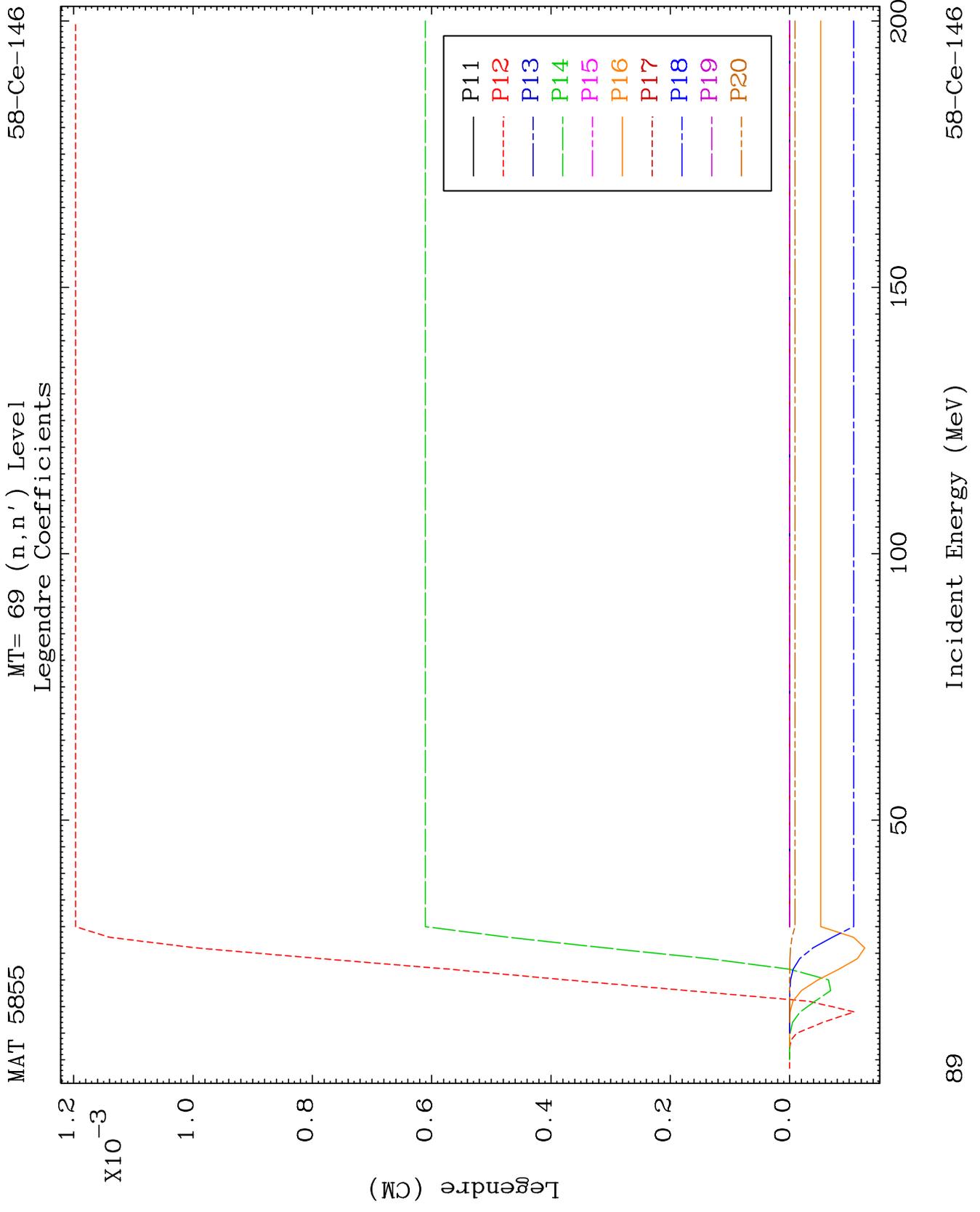


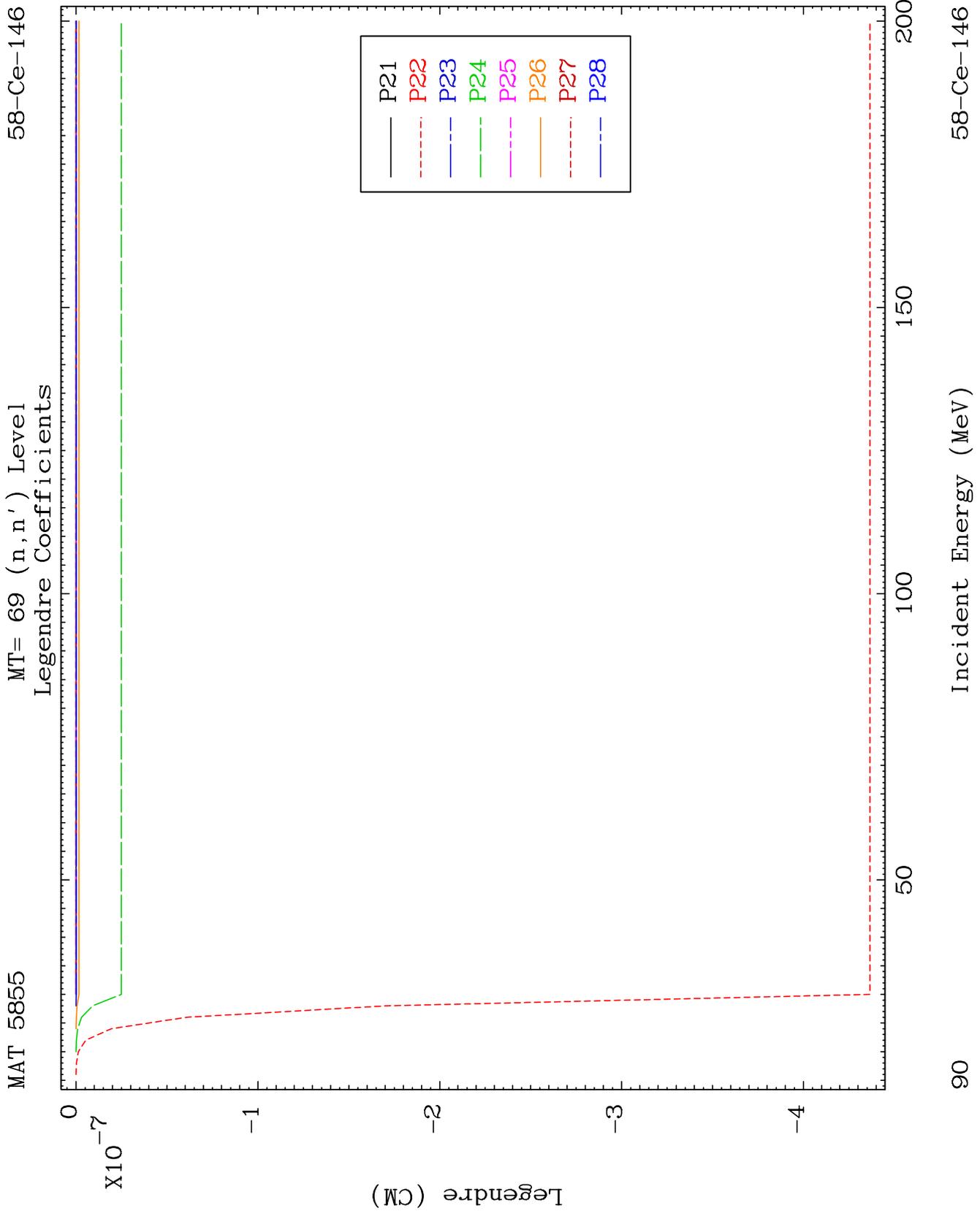
MAT 5855

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

58-Ce-146



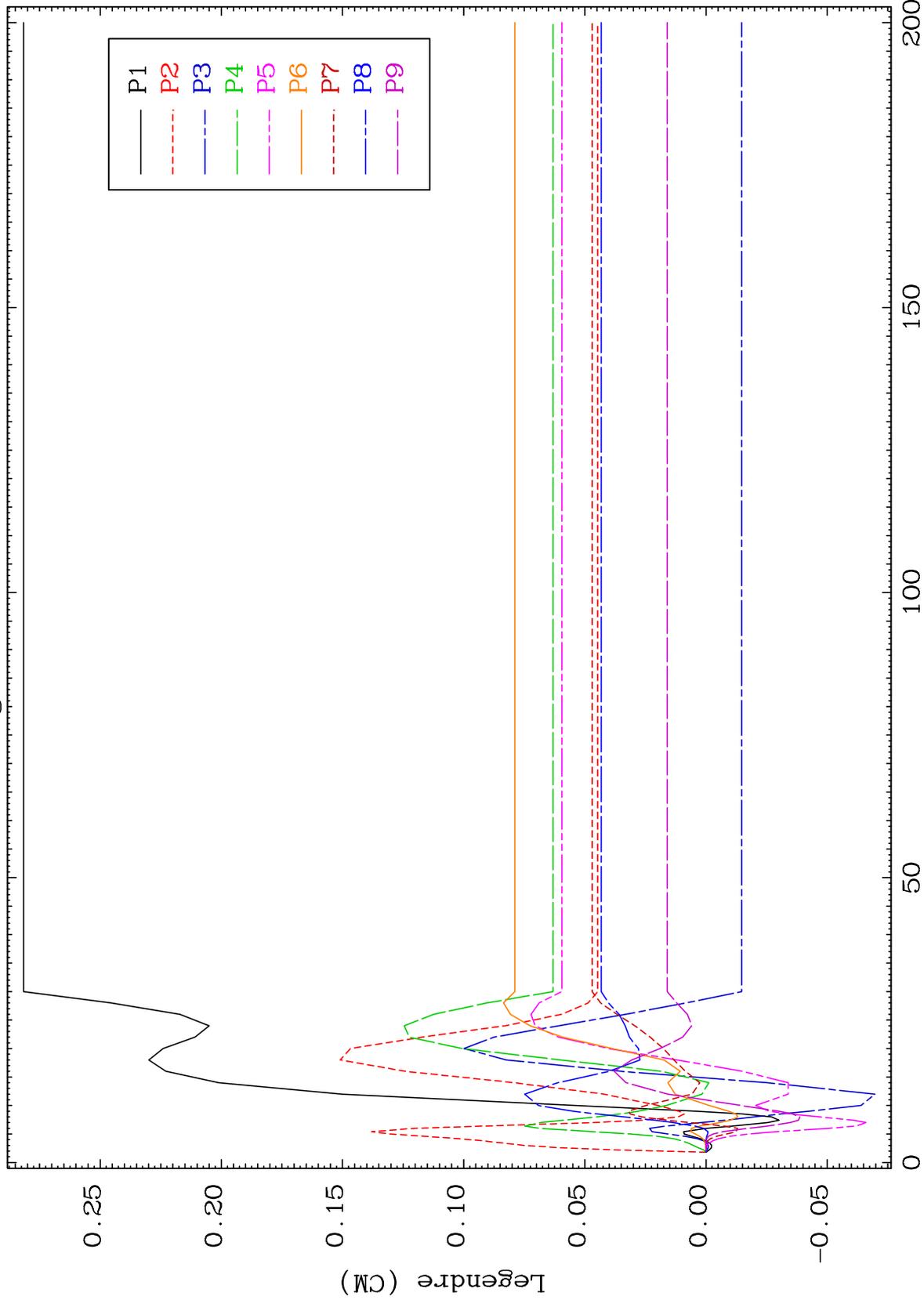




MAT 5855

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

58-Ce-146



91

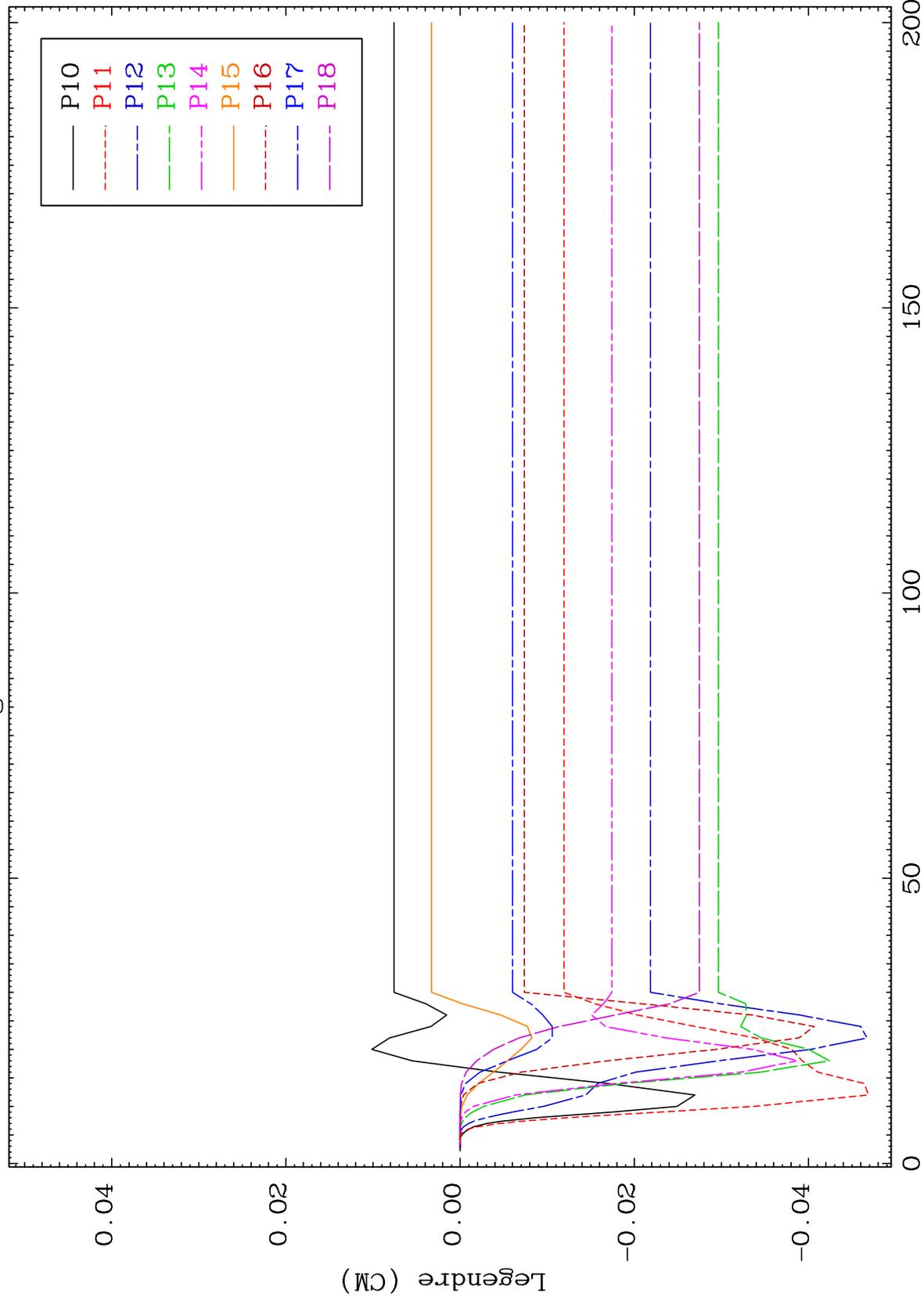
Incident Energy (MeV)

58-Ce-146

MAT 5855

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

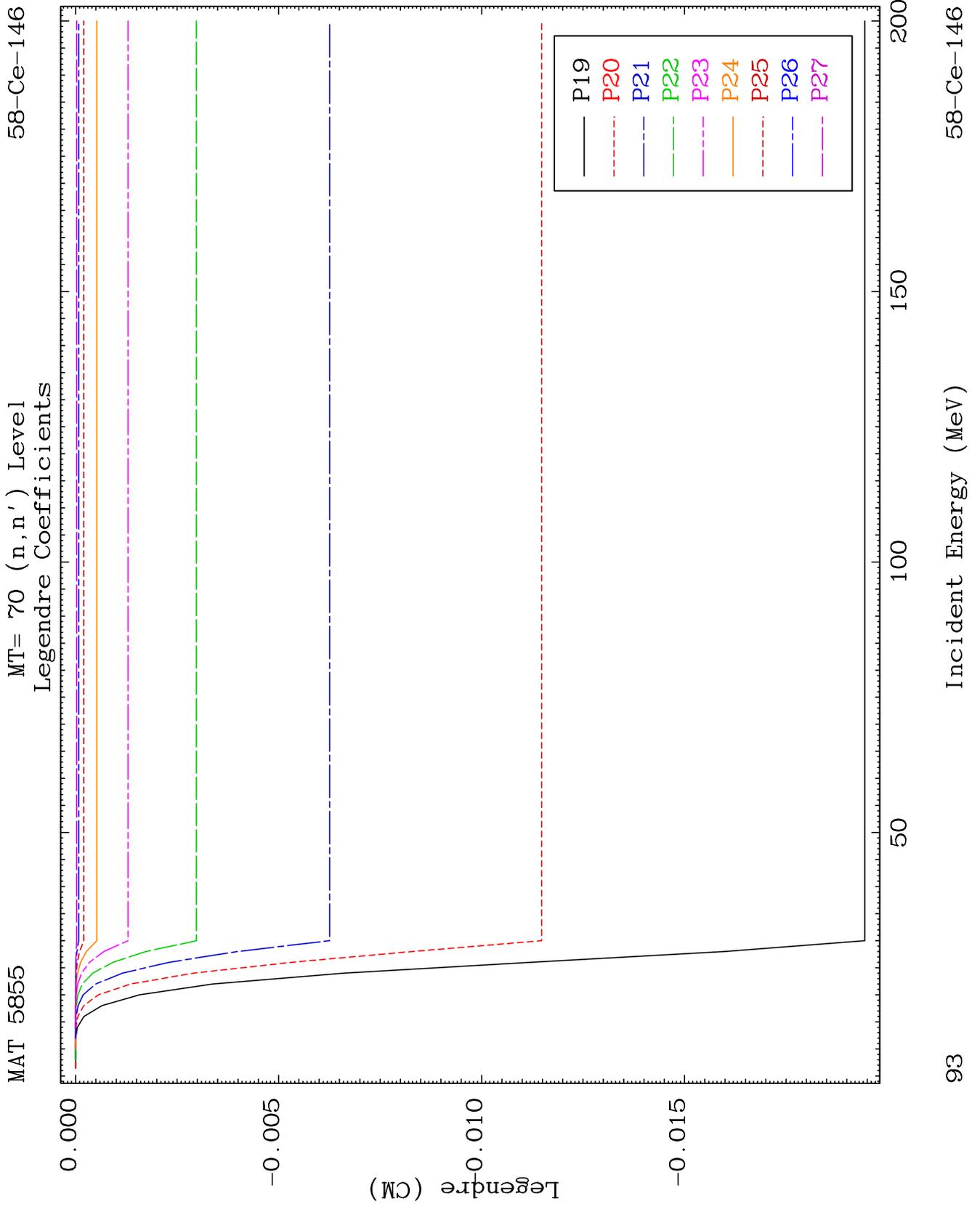
58-Ce-146

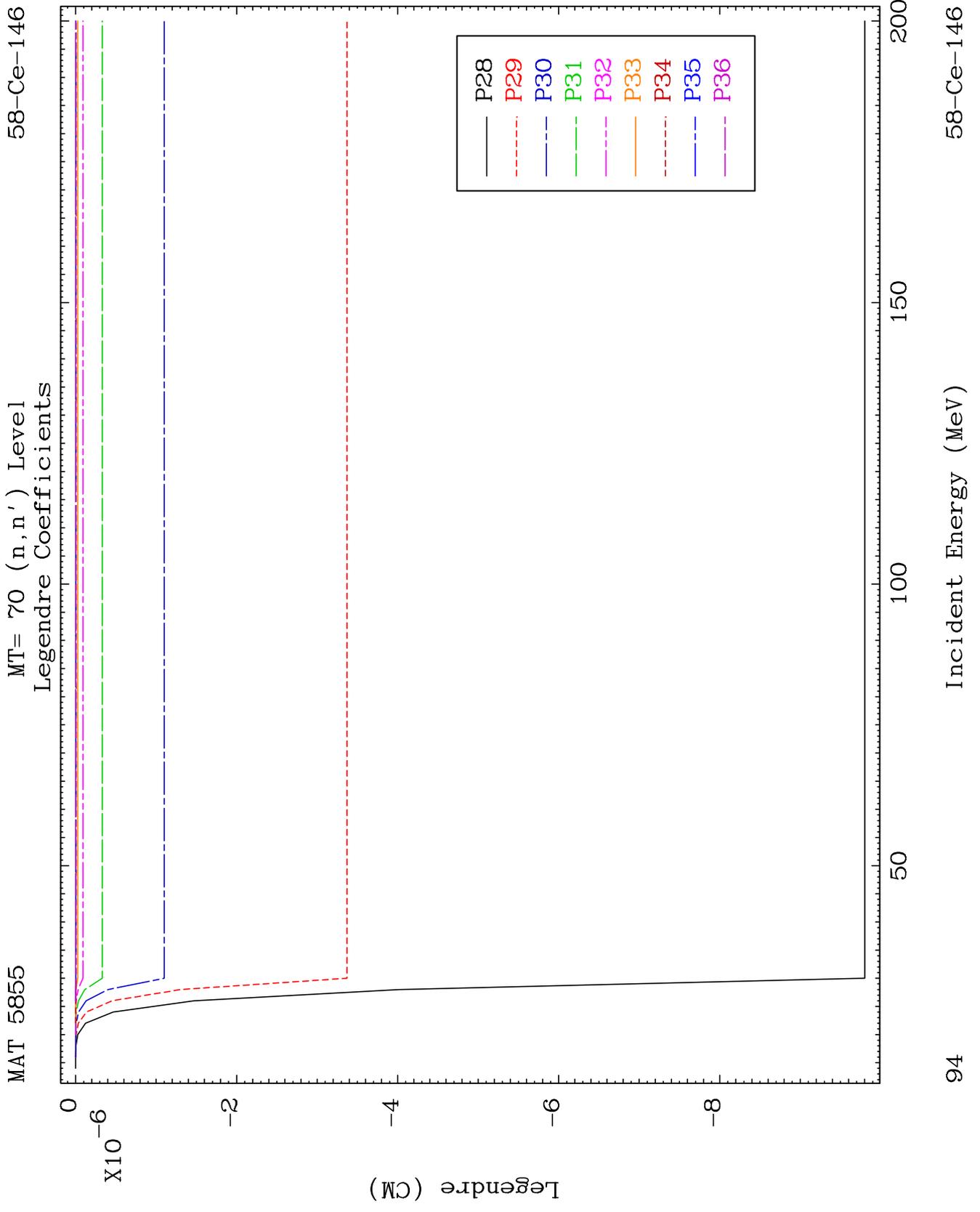


92

Incident Energy (MeV)

58-Ce-146

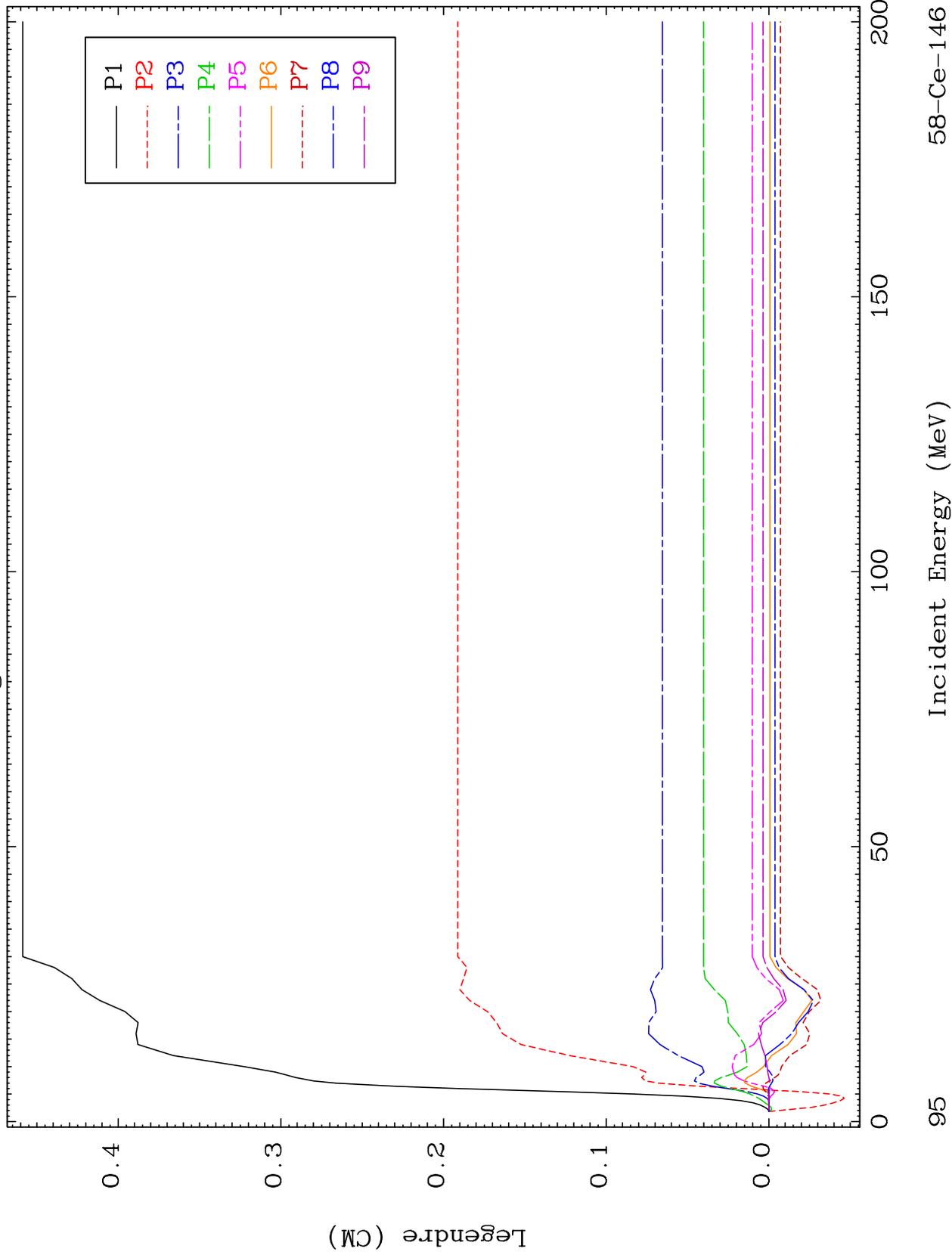




MAT 5855

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

58-Ce-146



58-Ce-146

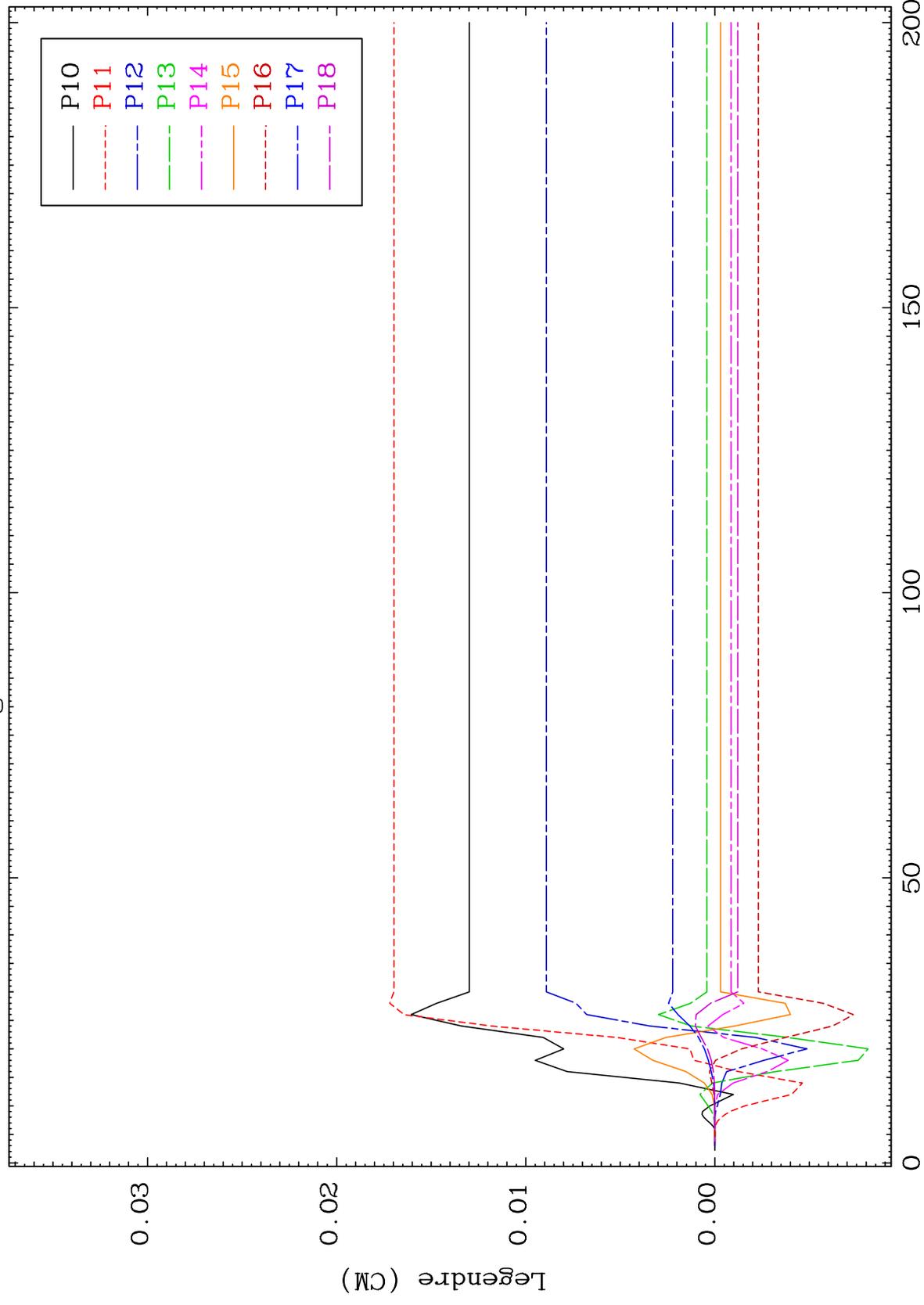
Incident Energy (MeV)

95

MAT 5855

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

58-Ce-146



96

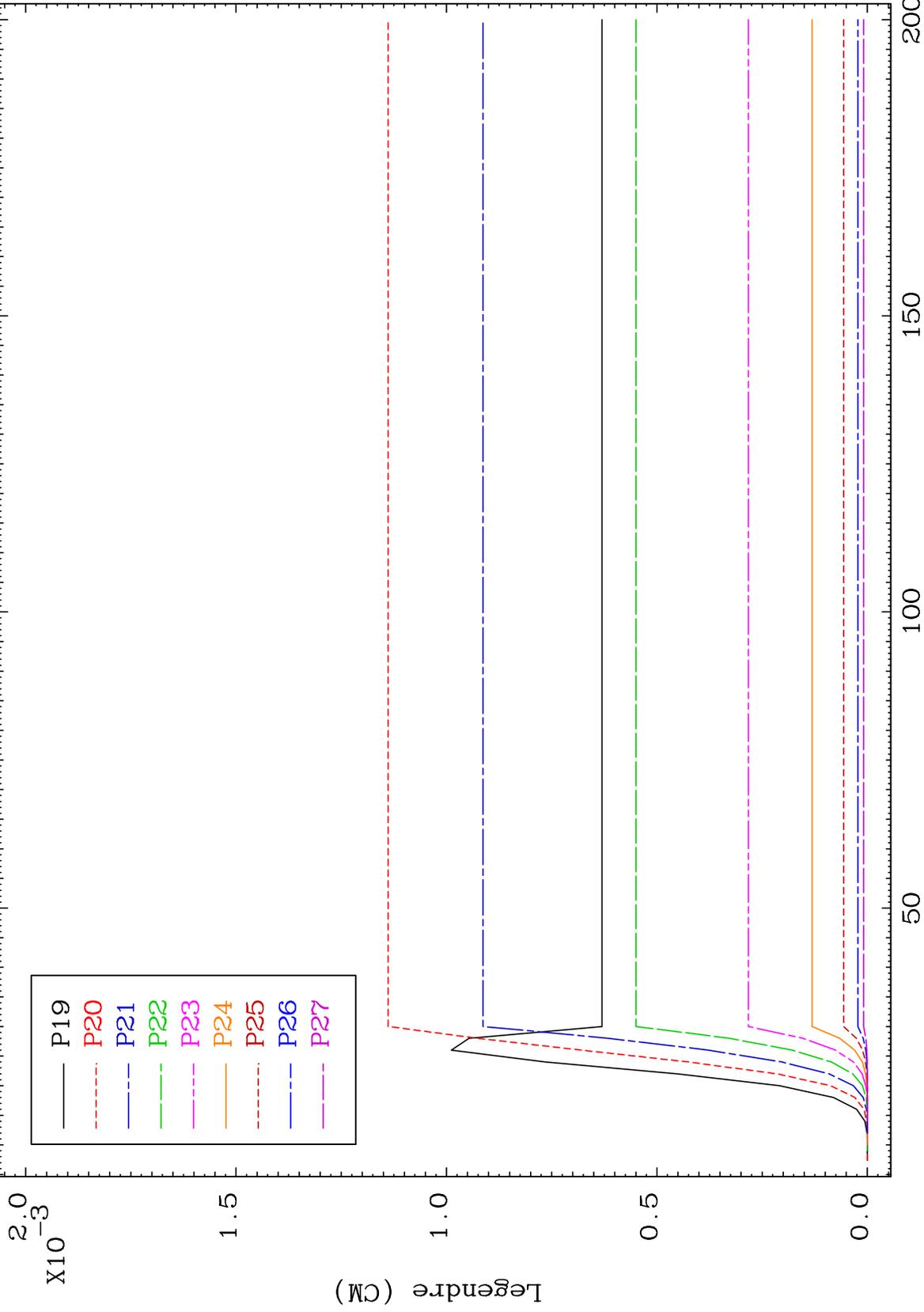
Incident Energy (MeV)

58-Ce-146

MAT 5855

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

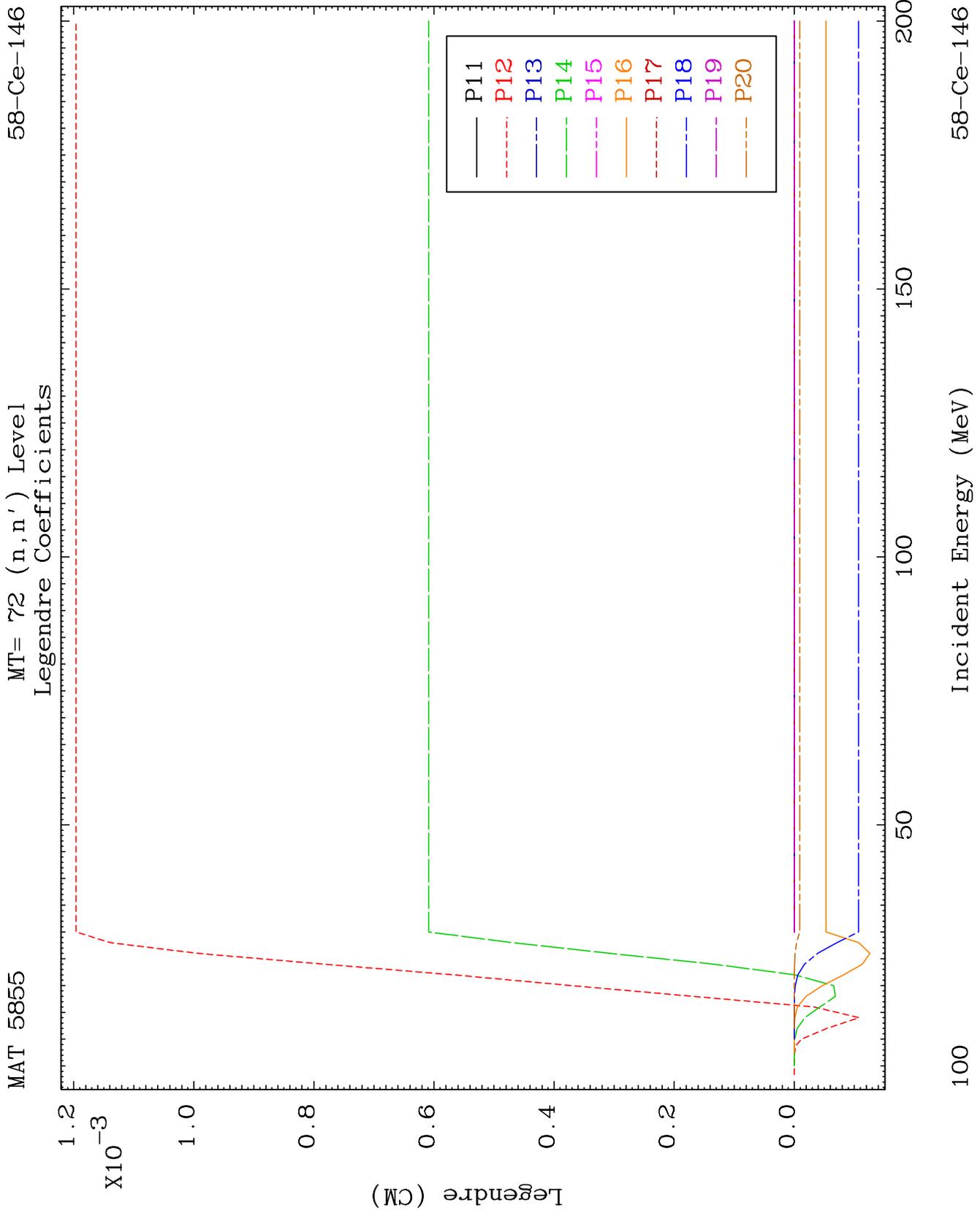
58-Ce-146

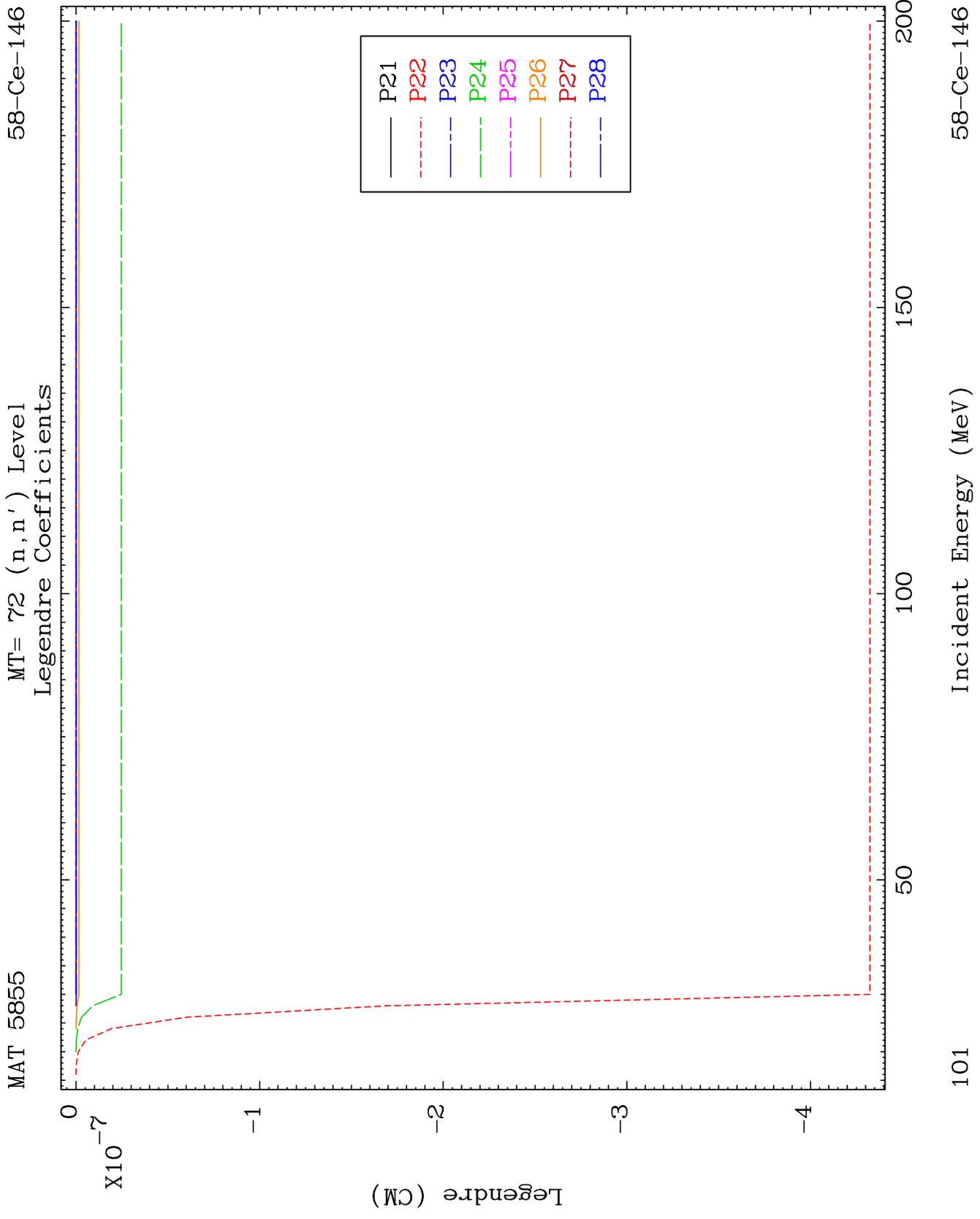


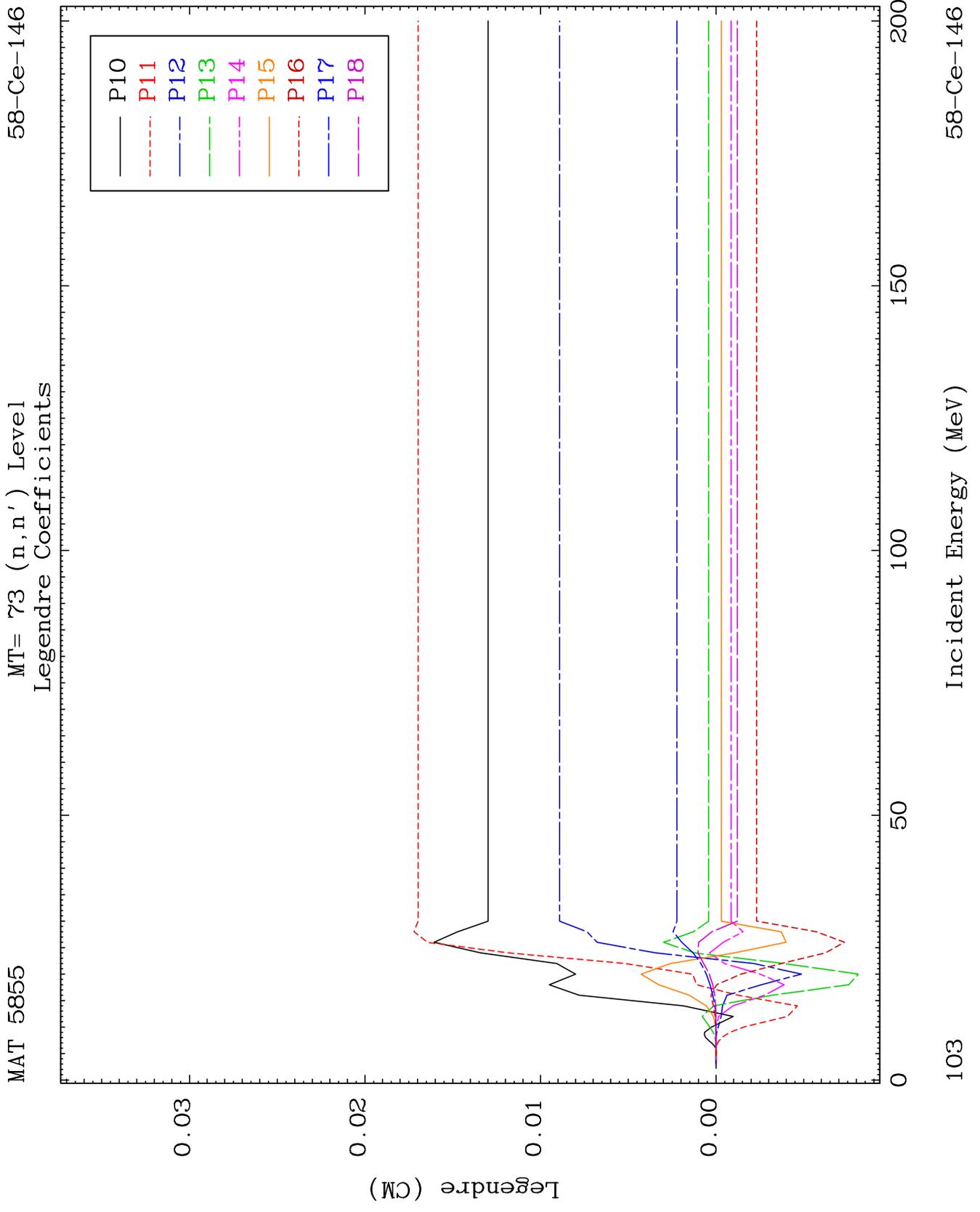
97

Incident Energy (MeV)

58-Ce-146



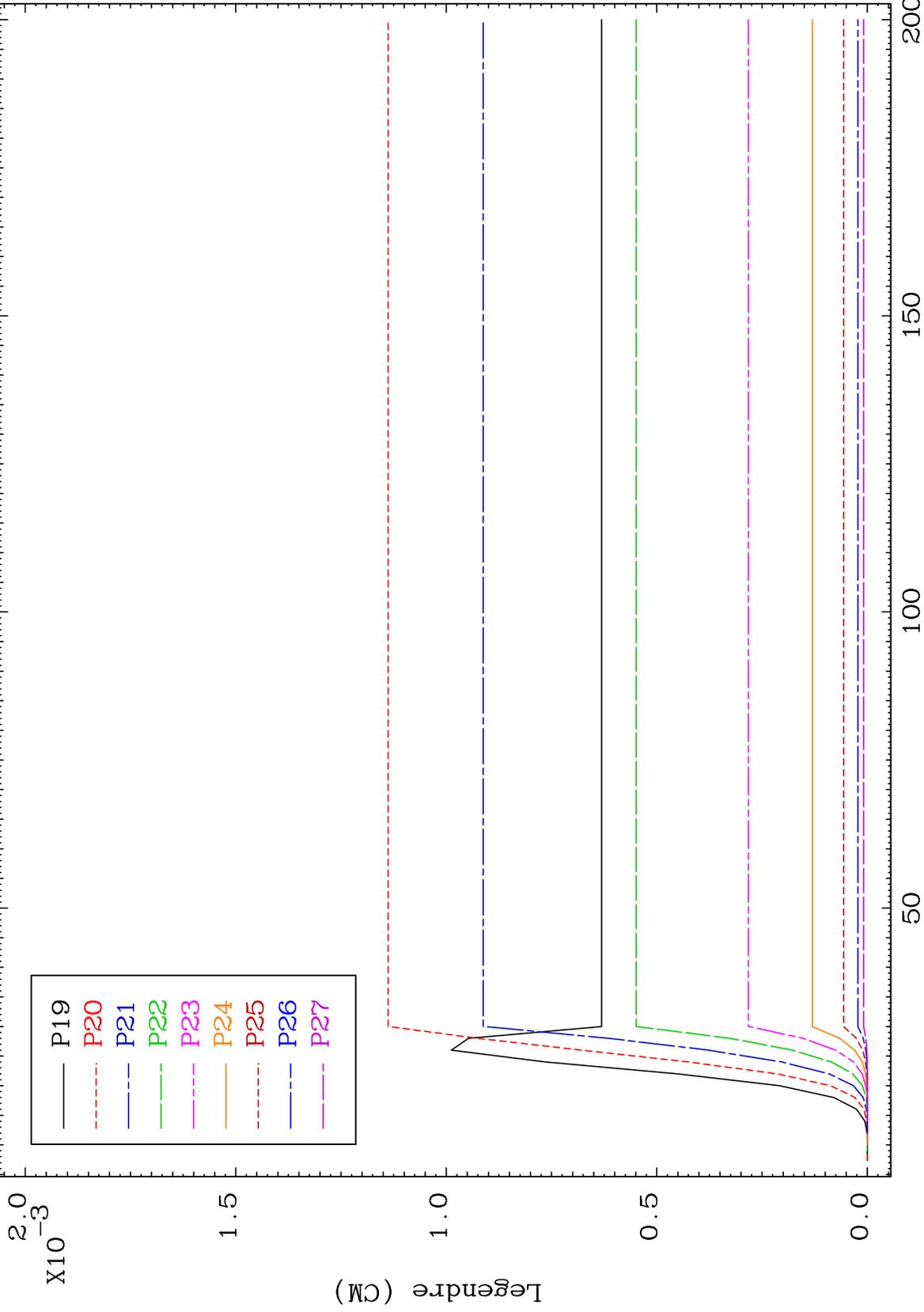




MAT 5855

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

58-Ce-146



104

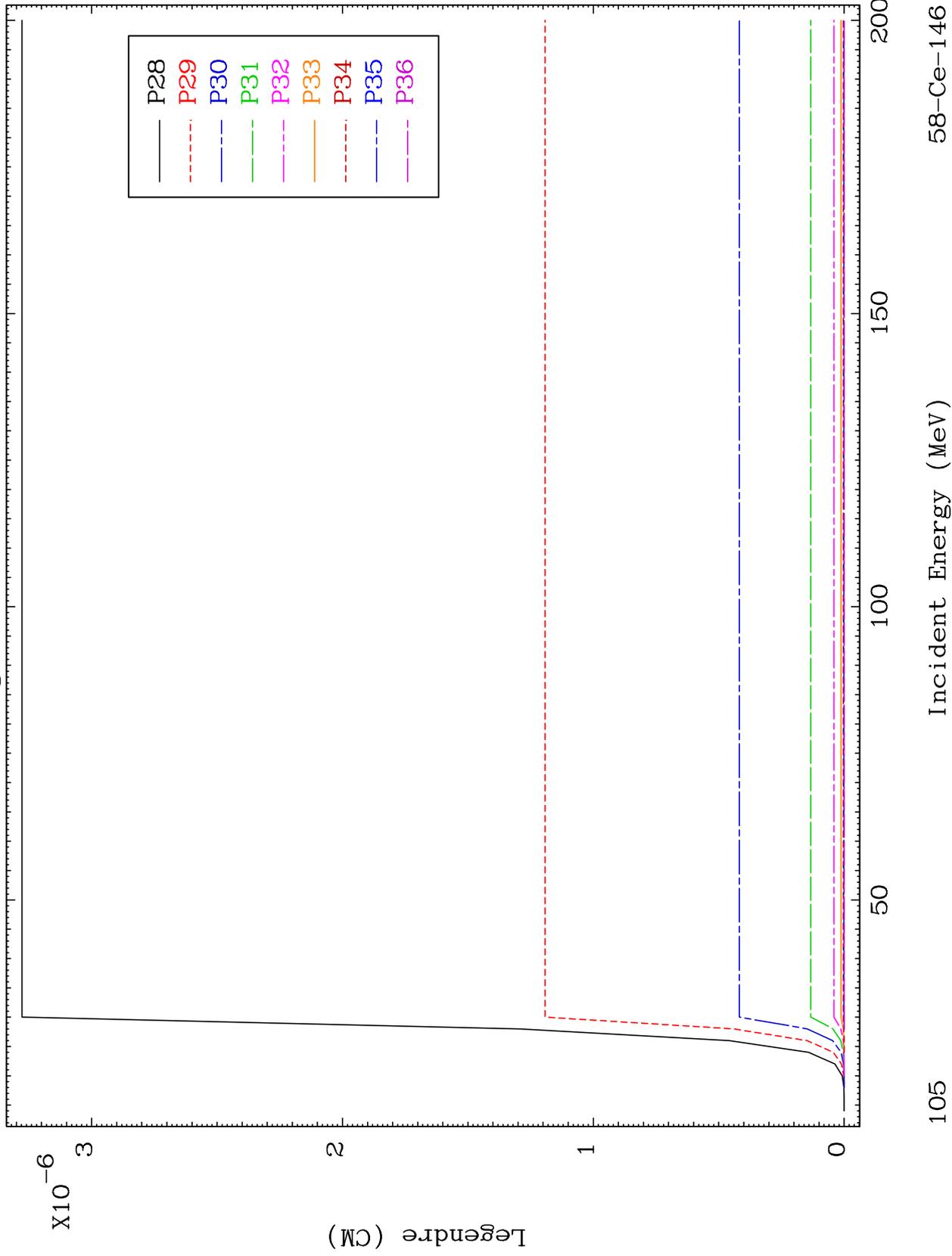
Incident Energy (MeV)

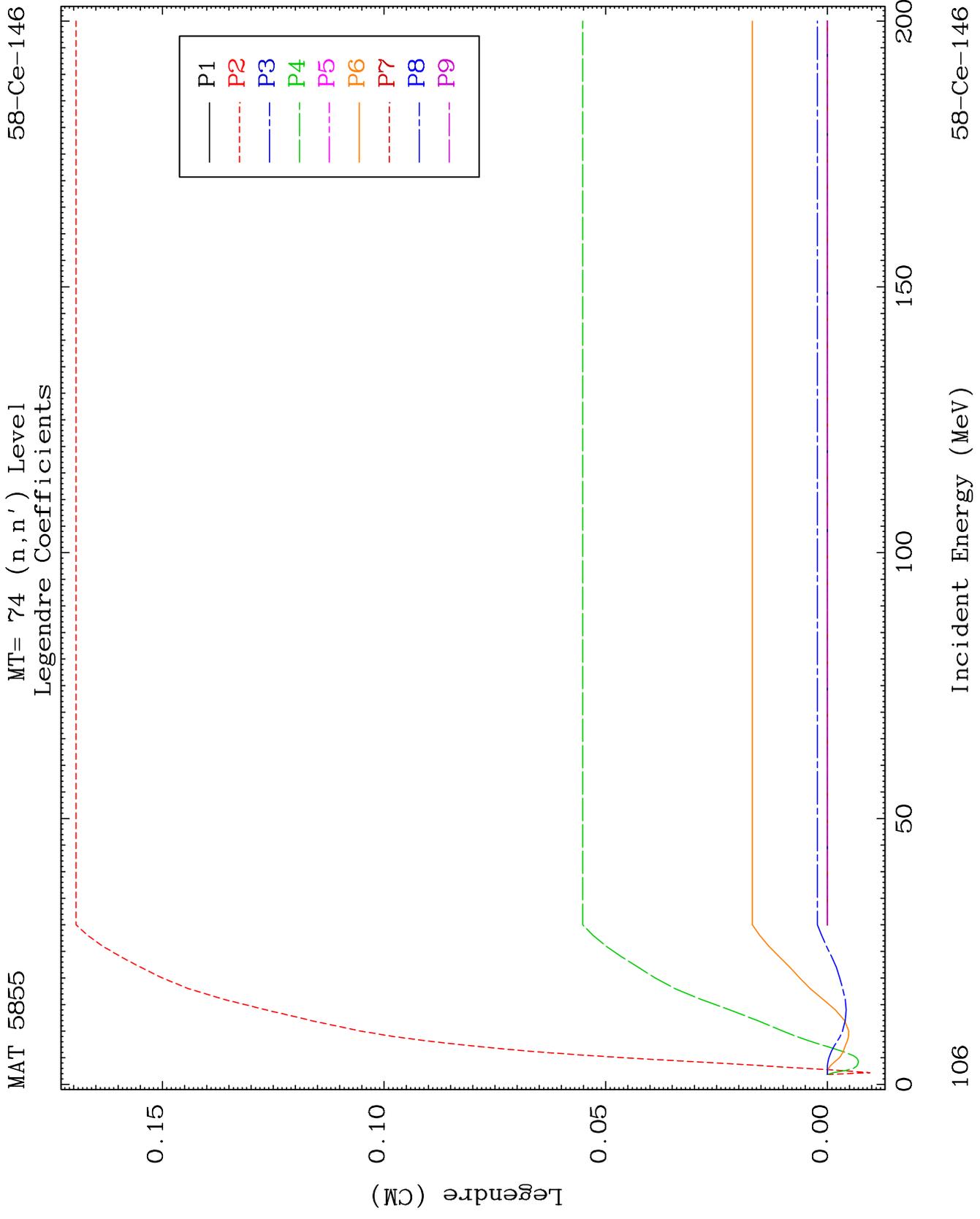
58-Ce-146

MAT 5855

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

58-Ce-146

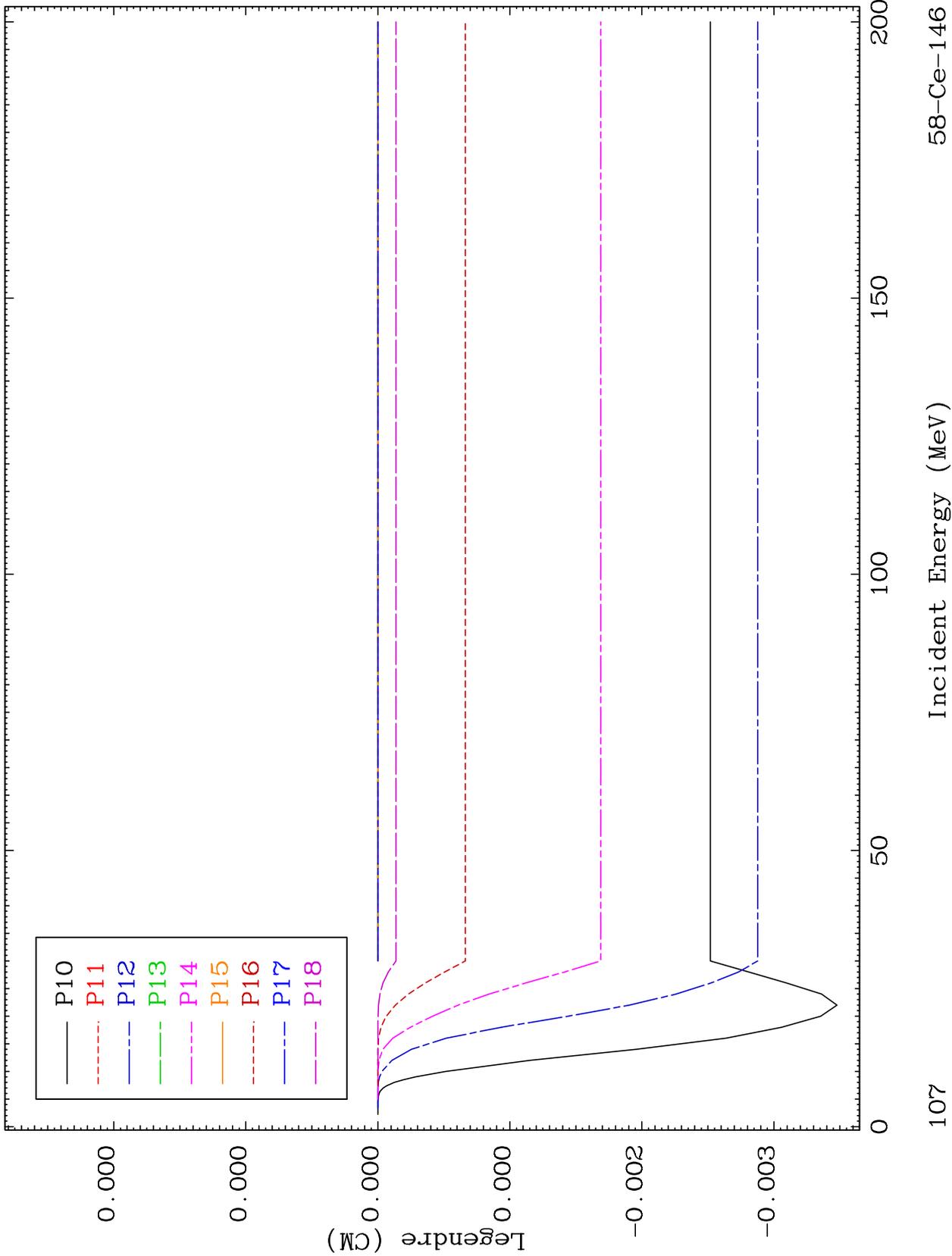




MAT 5855

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

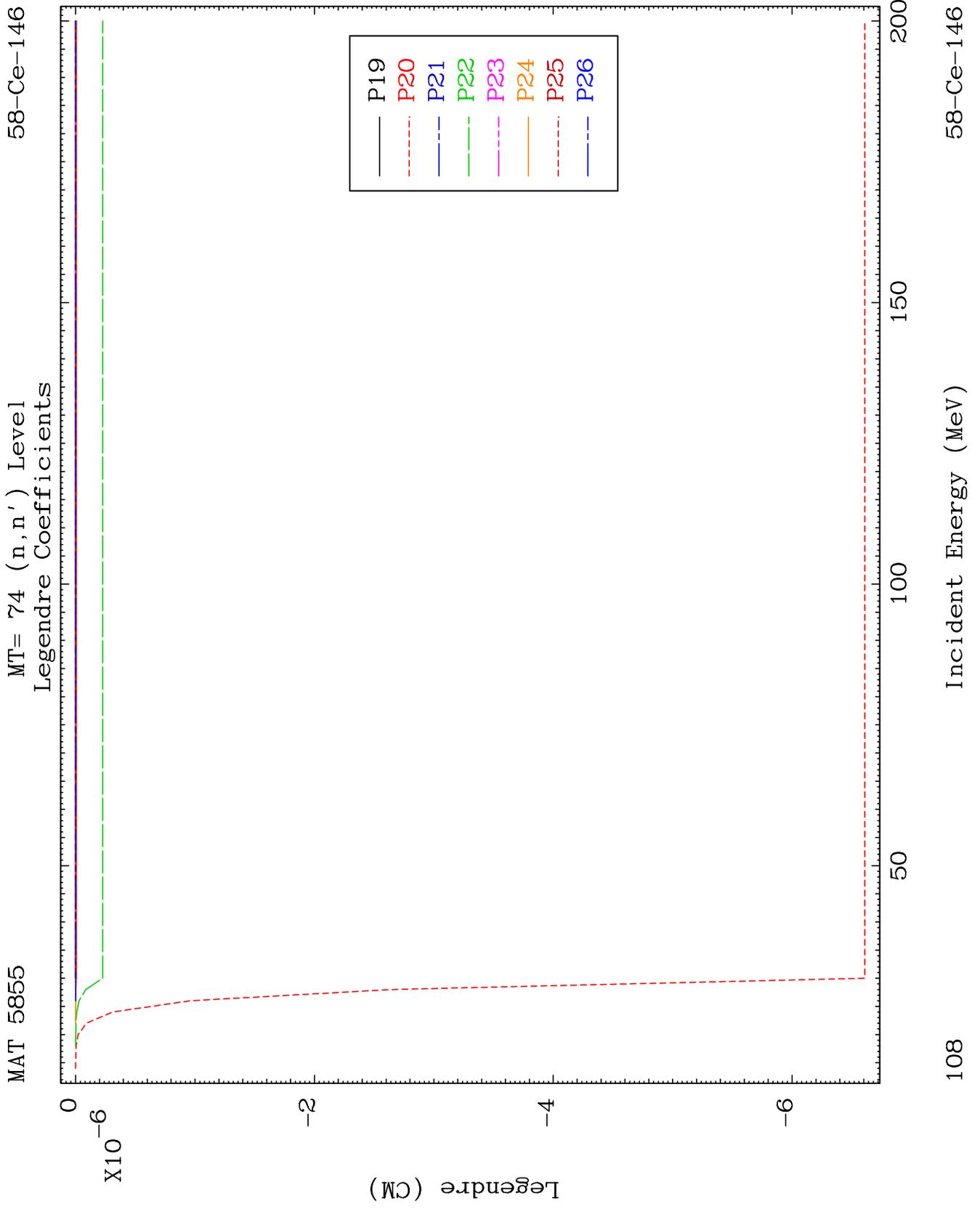
58-Ce-146



107

Incident Energy (MeV)

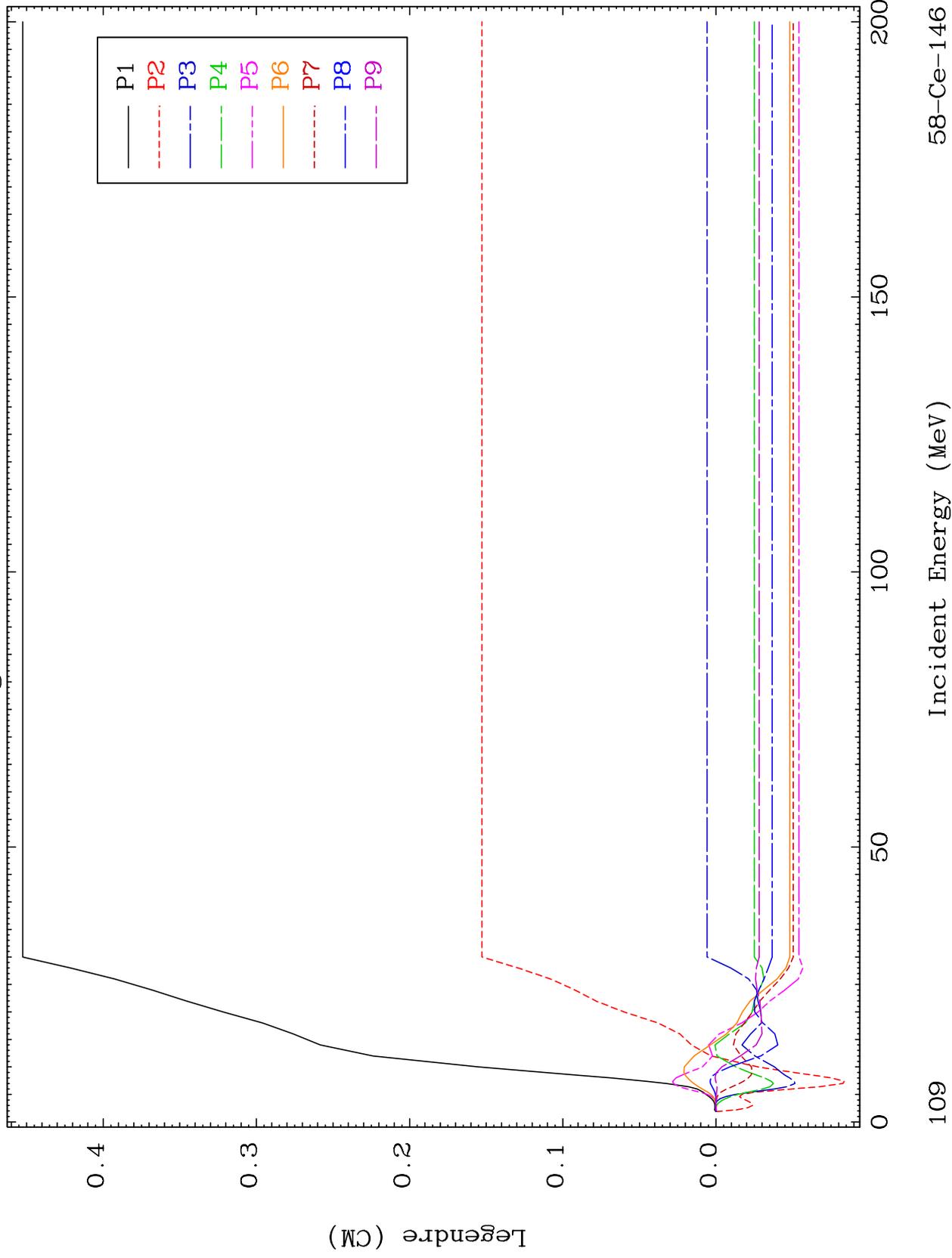
58-Ce-146



MAT 5855

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

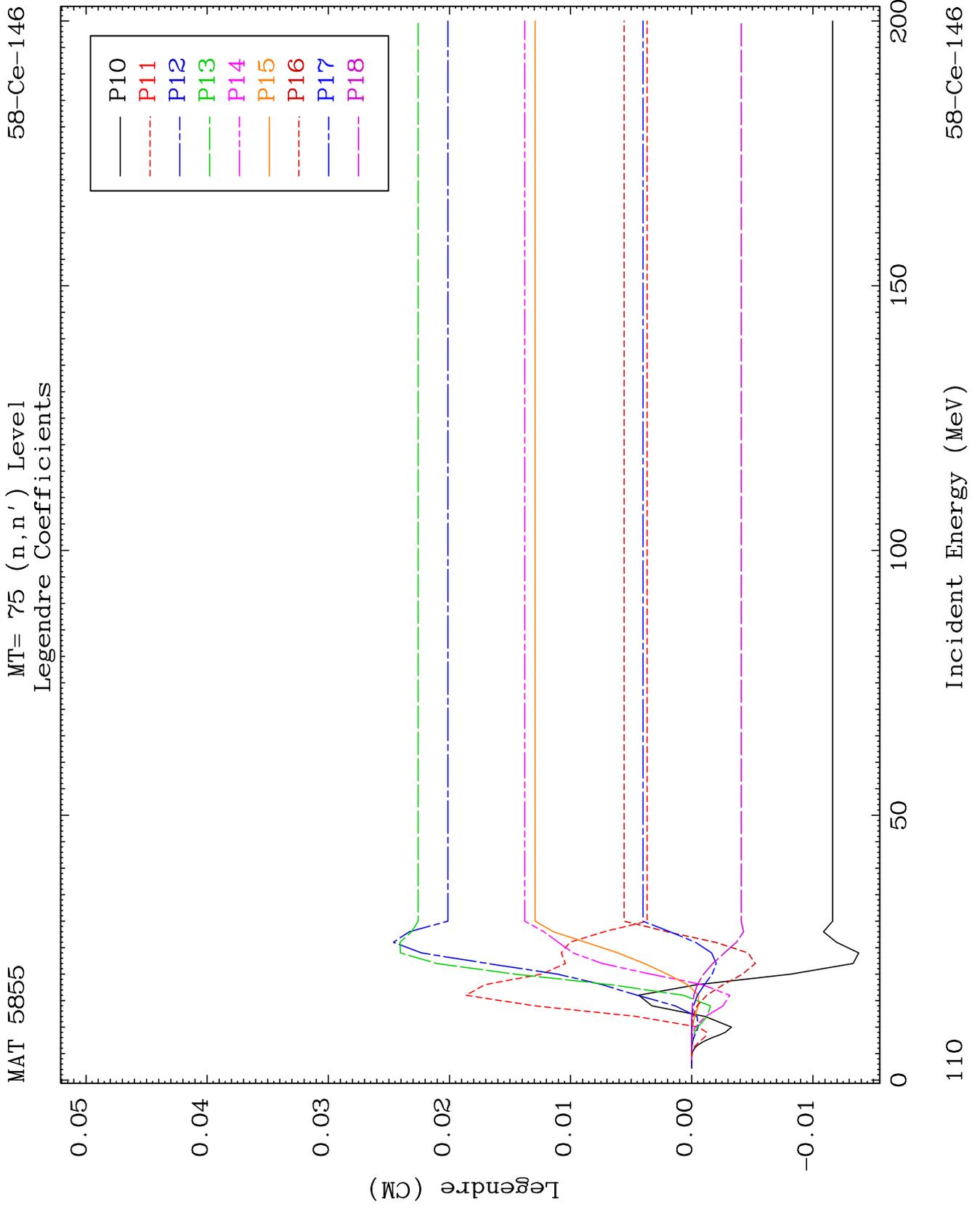
58-Ce-146



58-Ce-146

Incident Energy (MeV)

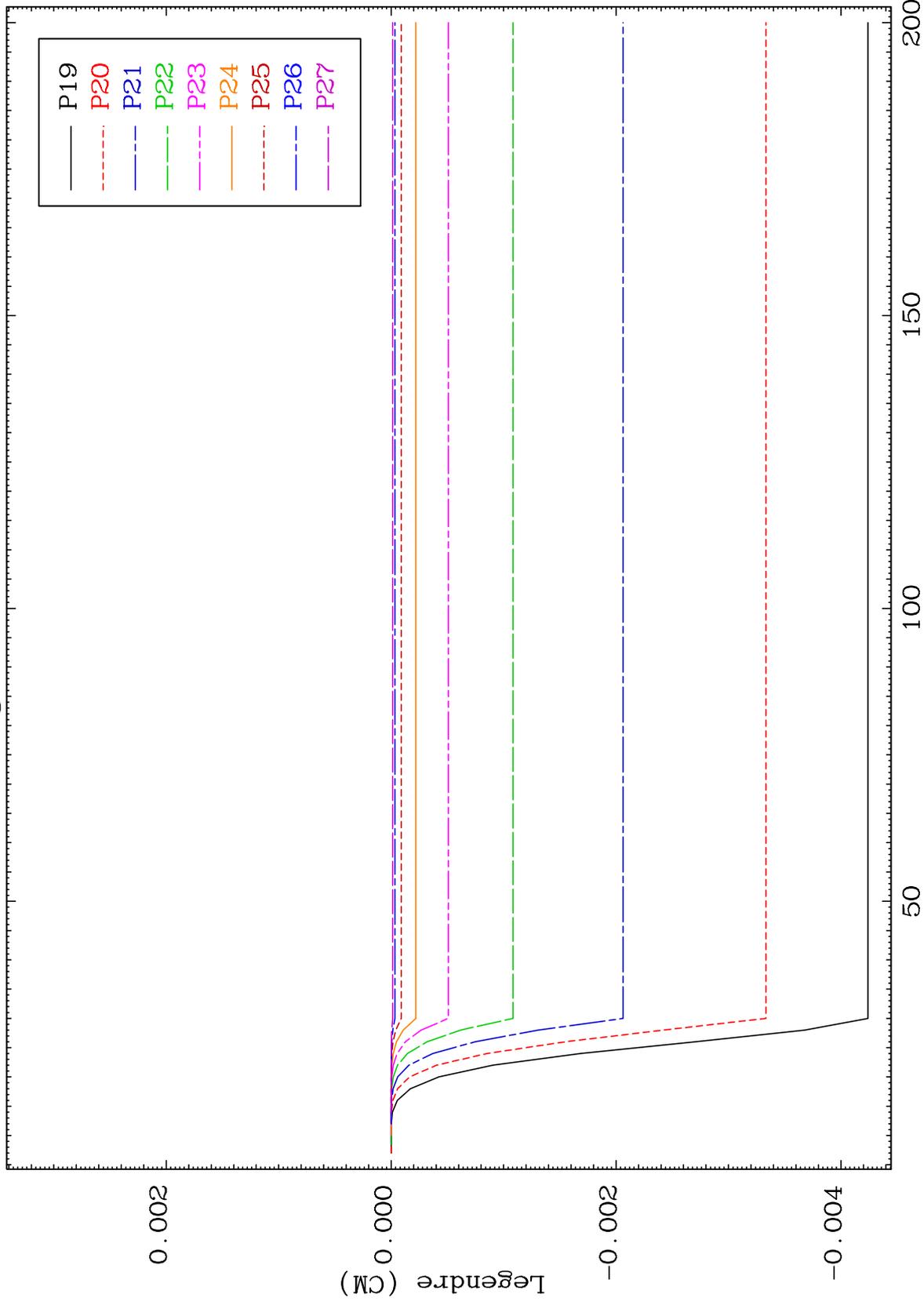
109



MAT 5855

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

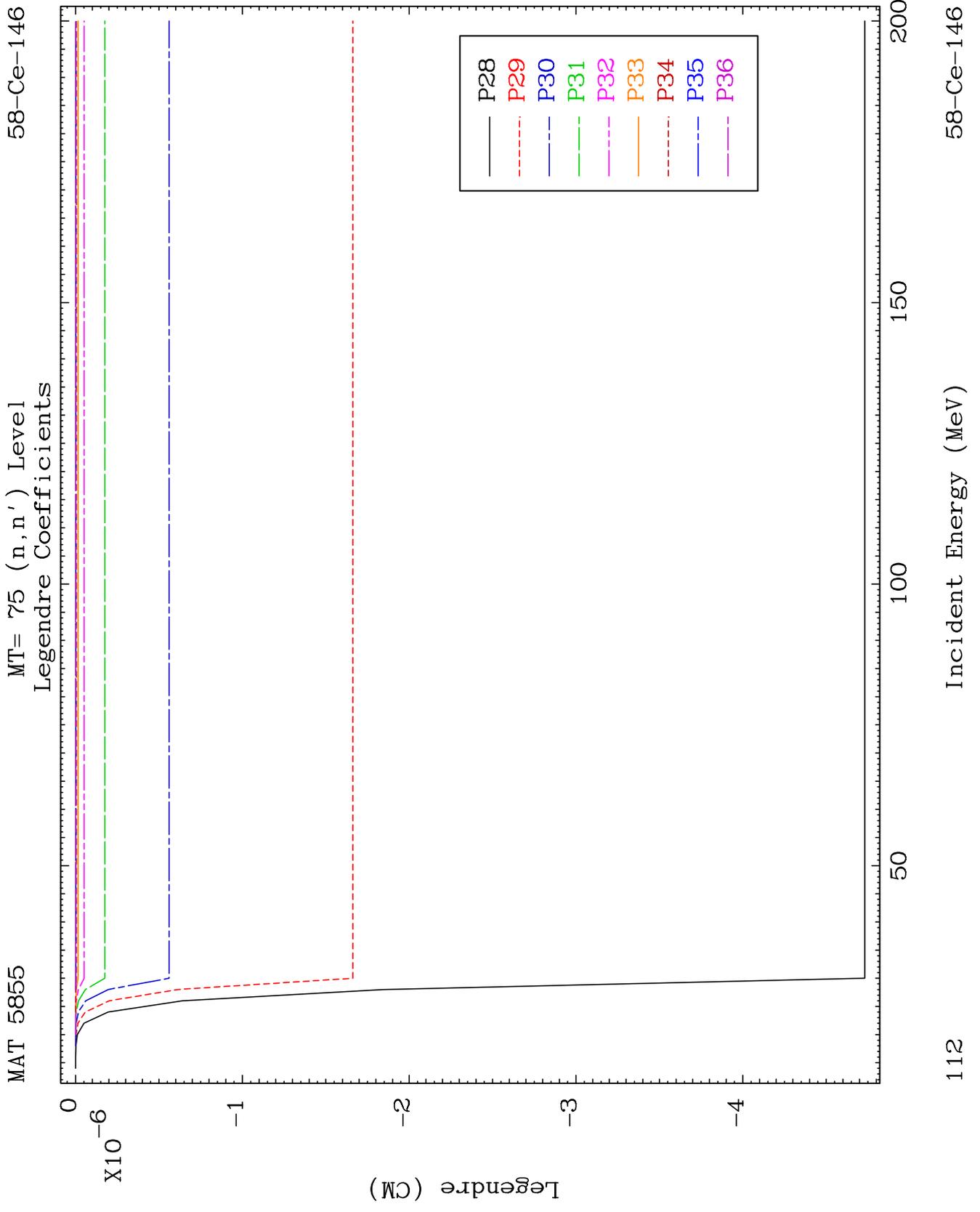
58-Ce-146



111

Incident Energy (MeV)

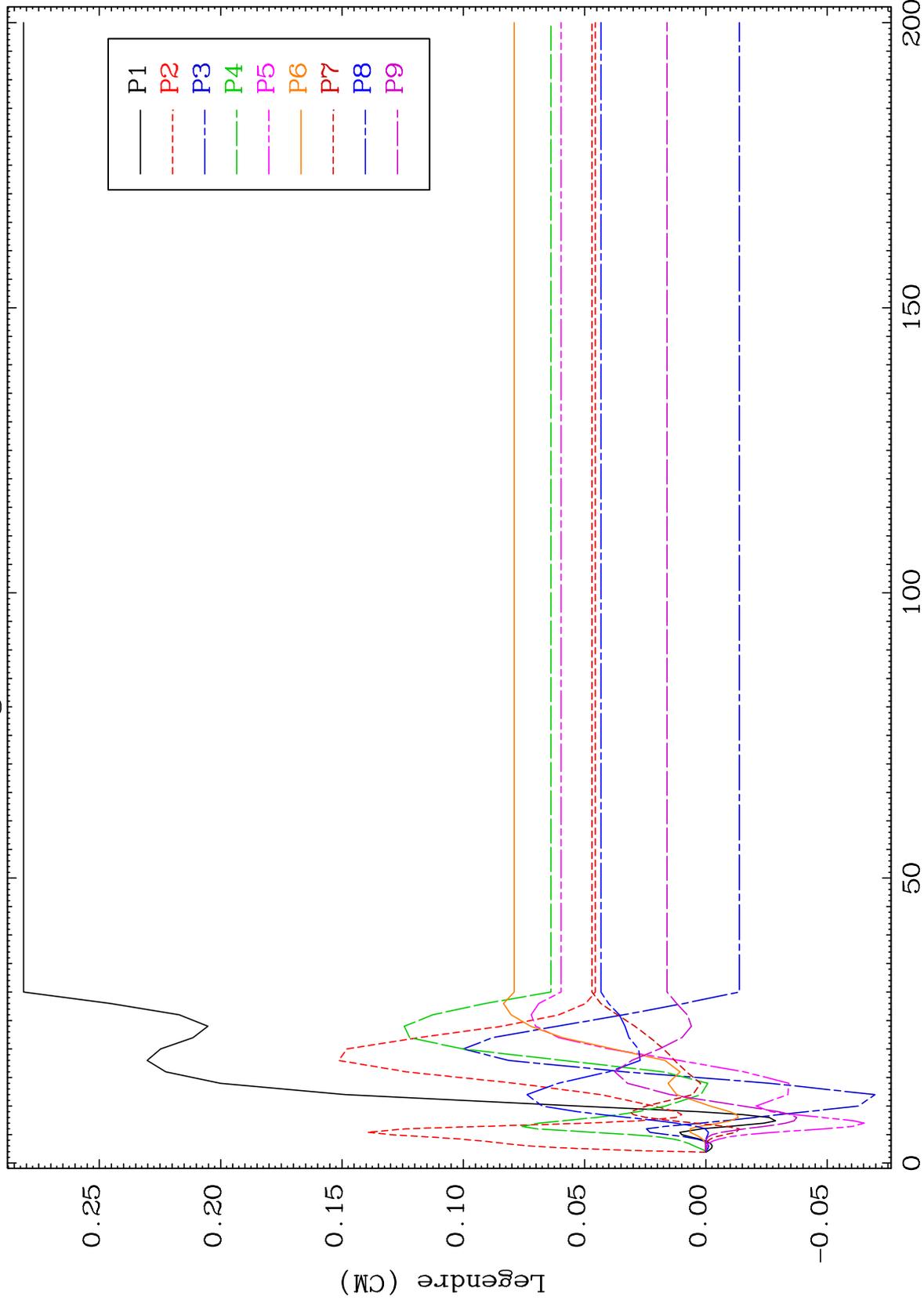
58-Ce-146



MAT 5855

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

58-Ce-146



58-Ce-146

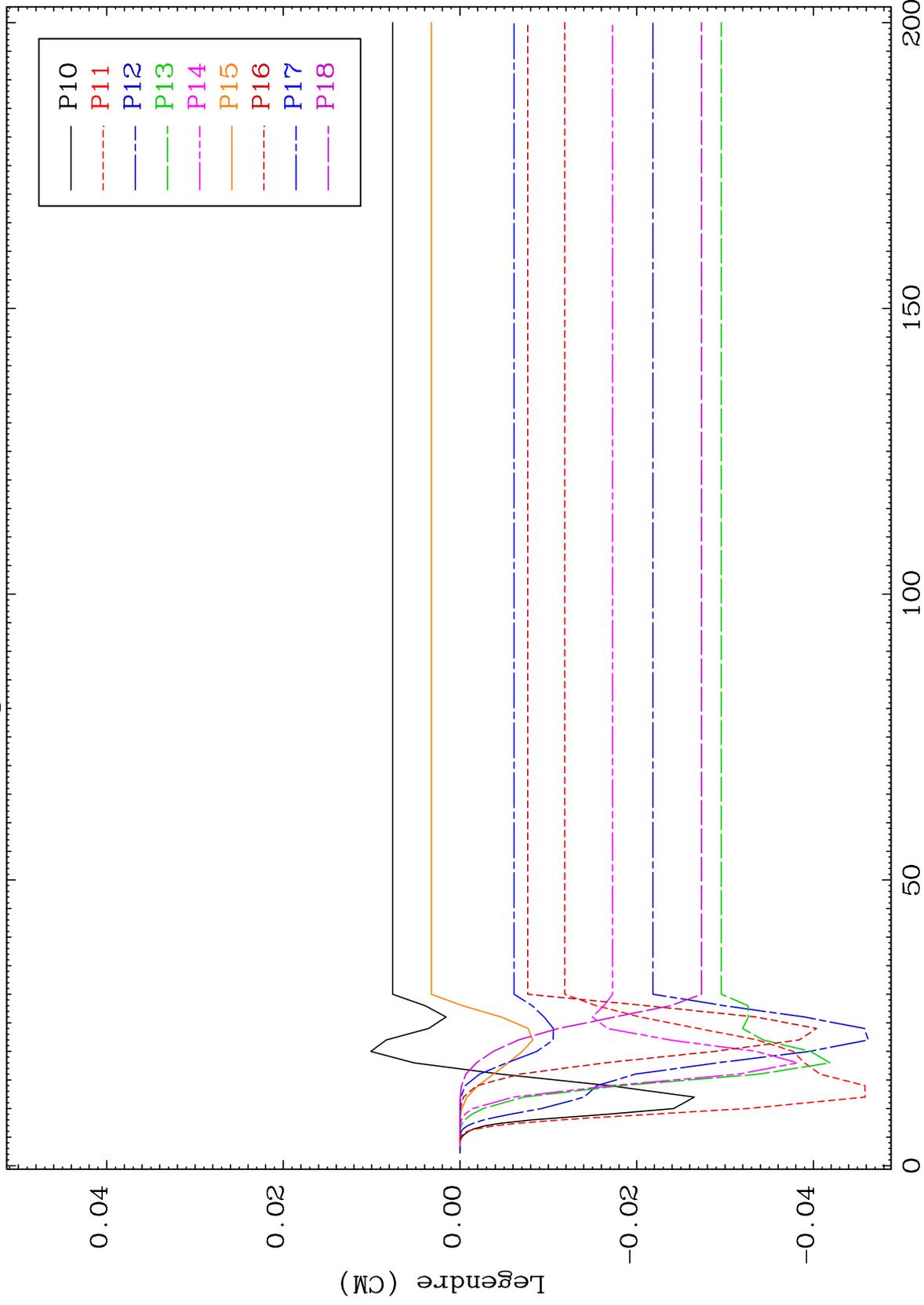
Incident Energy (MeV)

113

MAT 5855

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

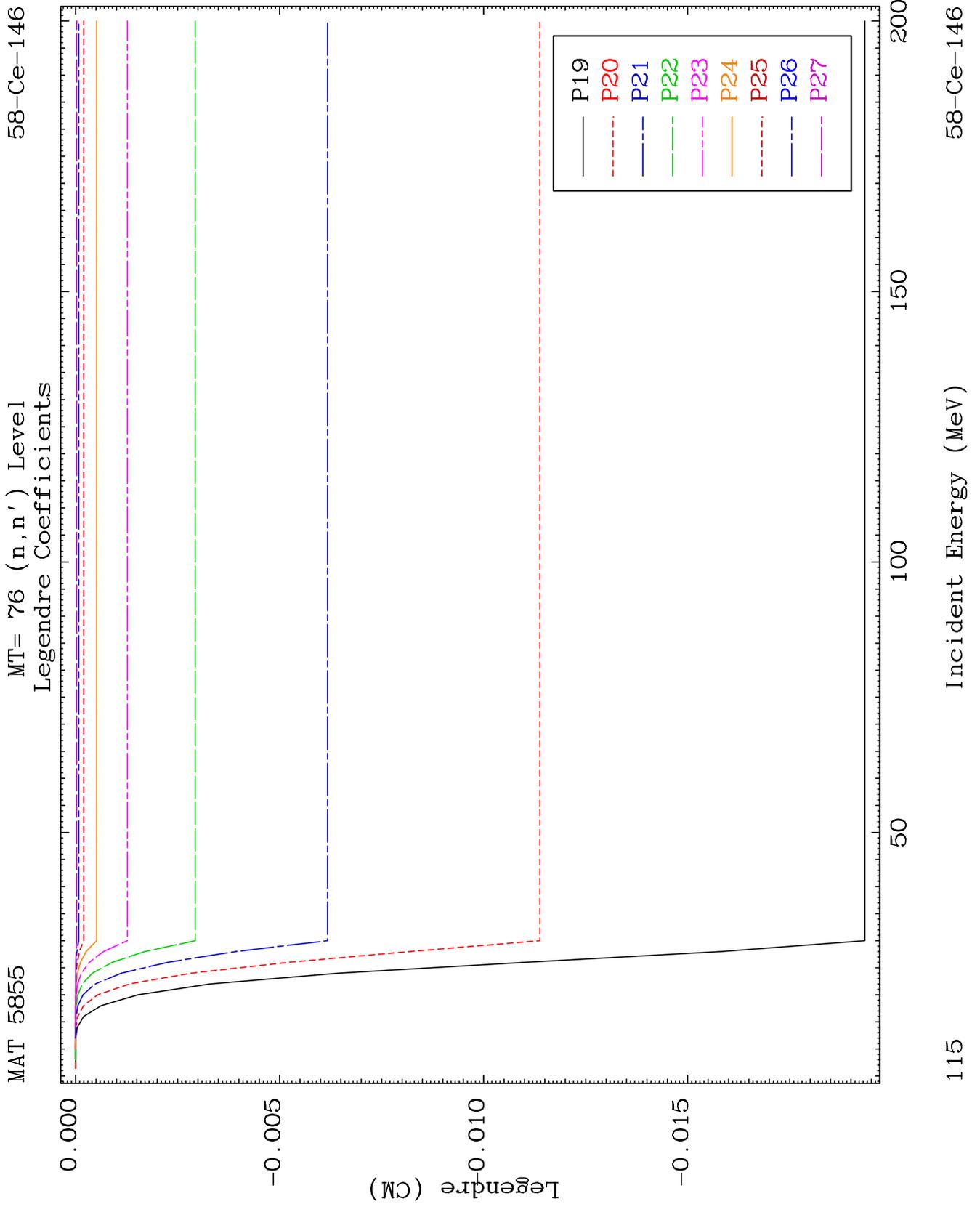
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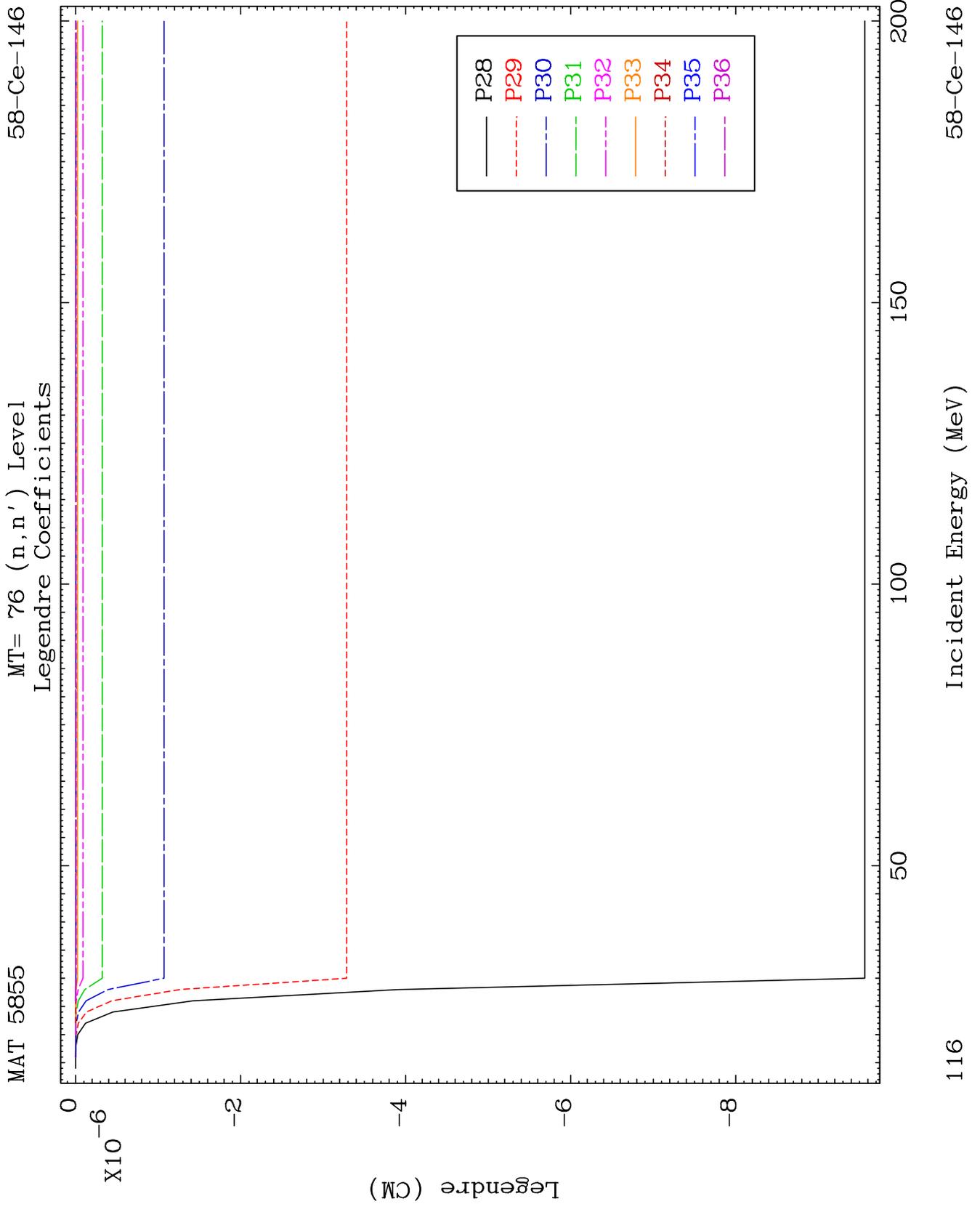


114

Incident Energy (MeV)

58-Ce-146

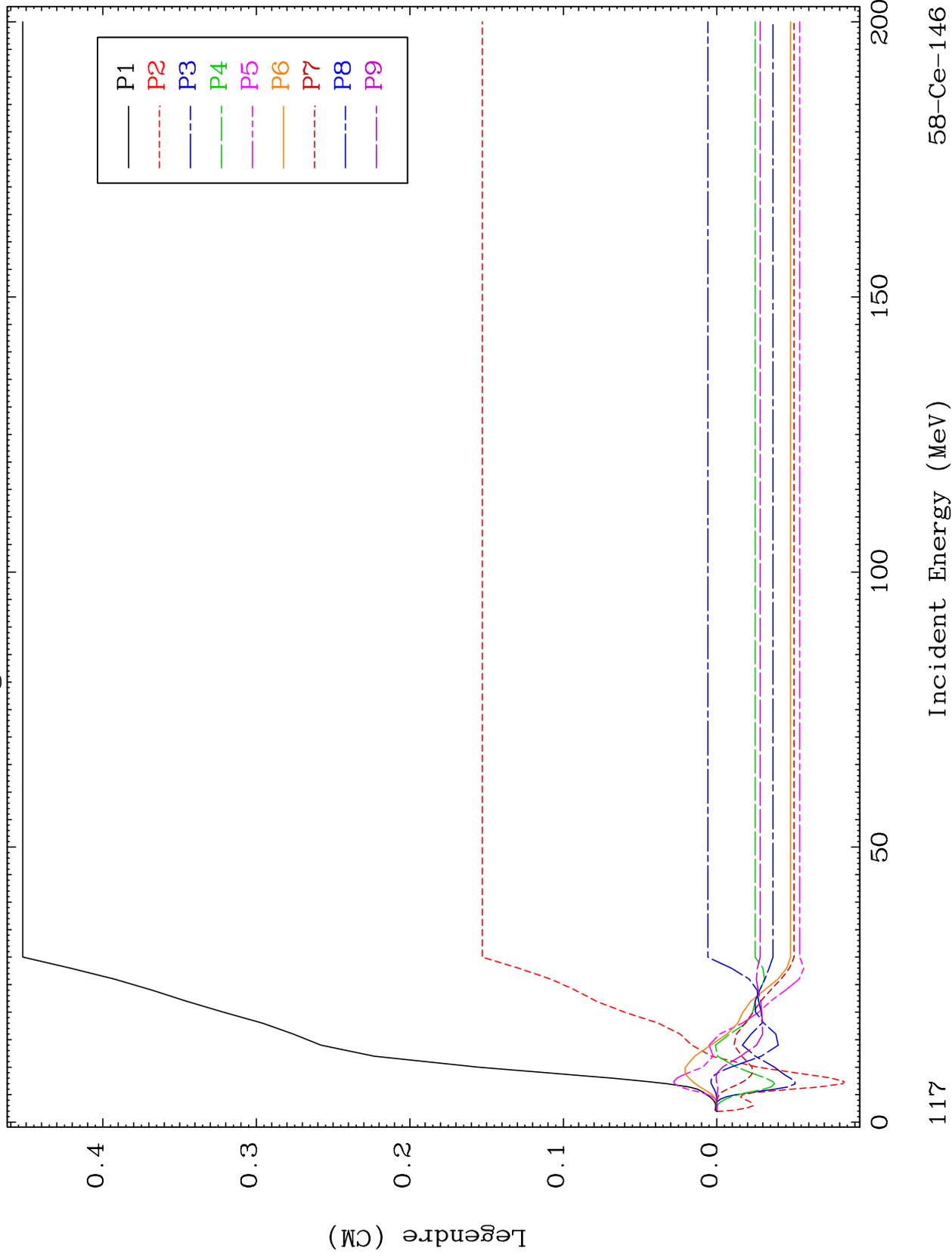




MAT 5855

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

58-Ce-146



58-Ce-146

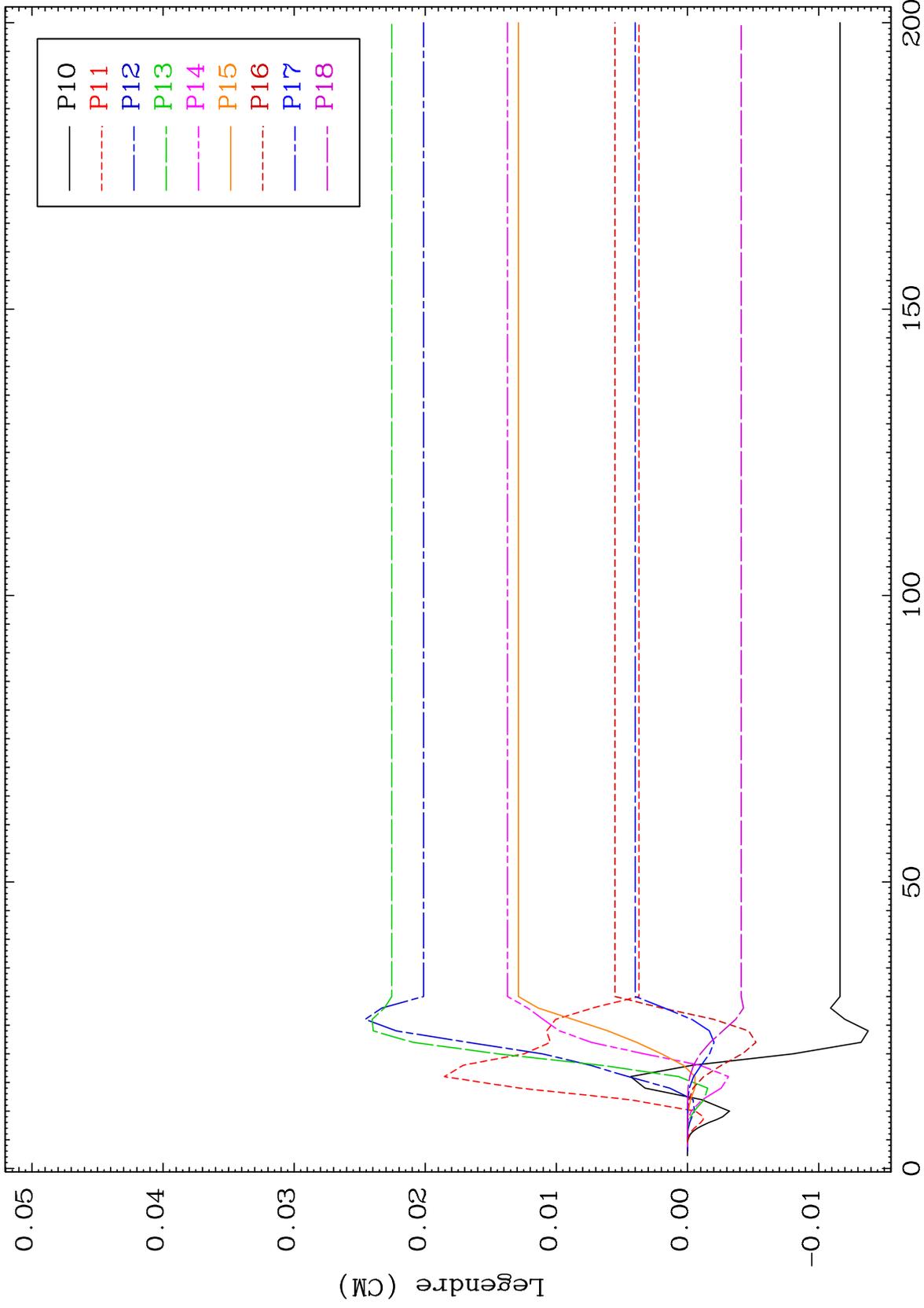
Incident Energy (MeV)

117

MAT 5855

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

58-Ce-146



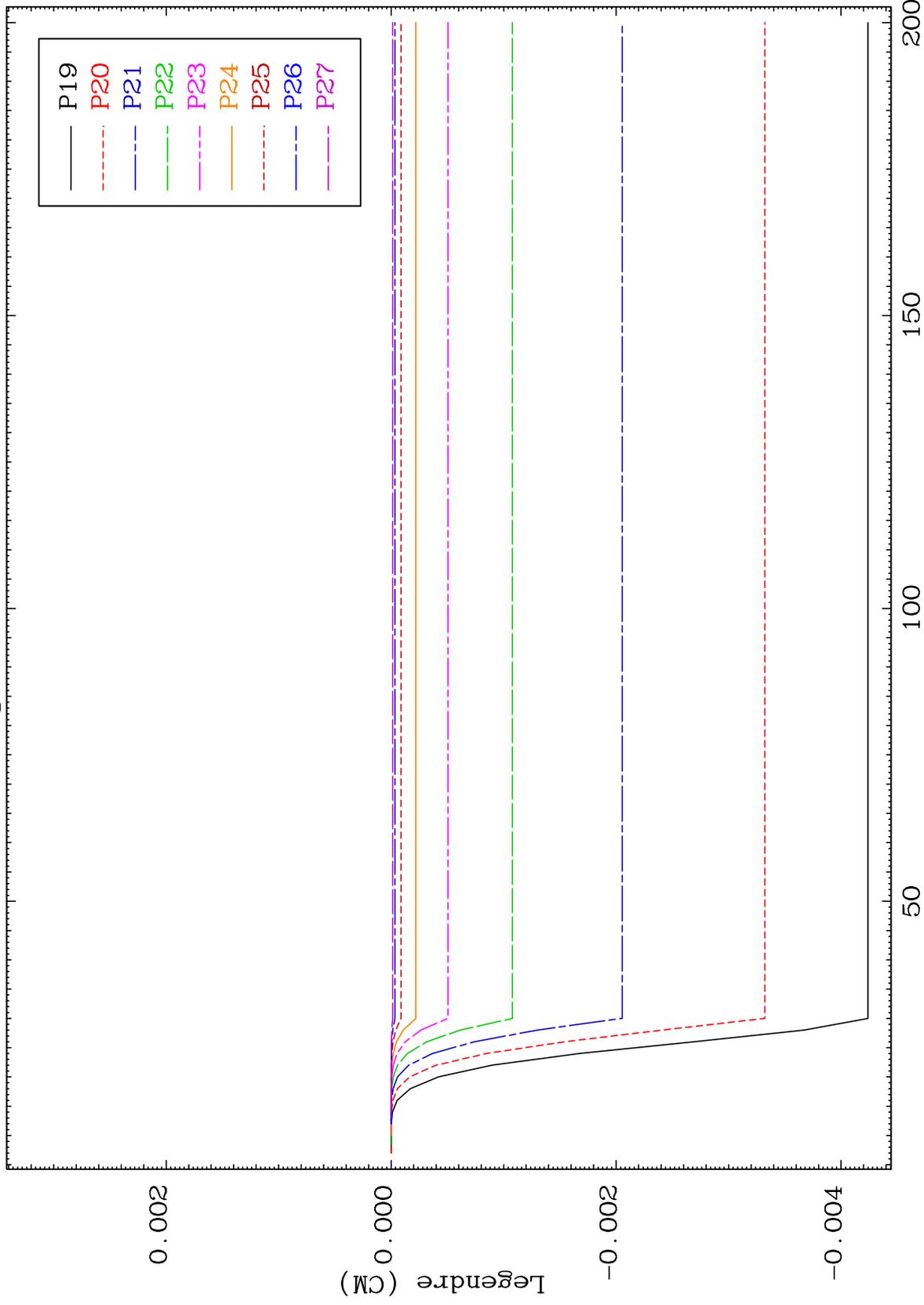
118

58-Ce-146

MAT 5855

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

58-Ce-146



119

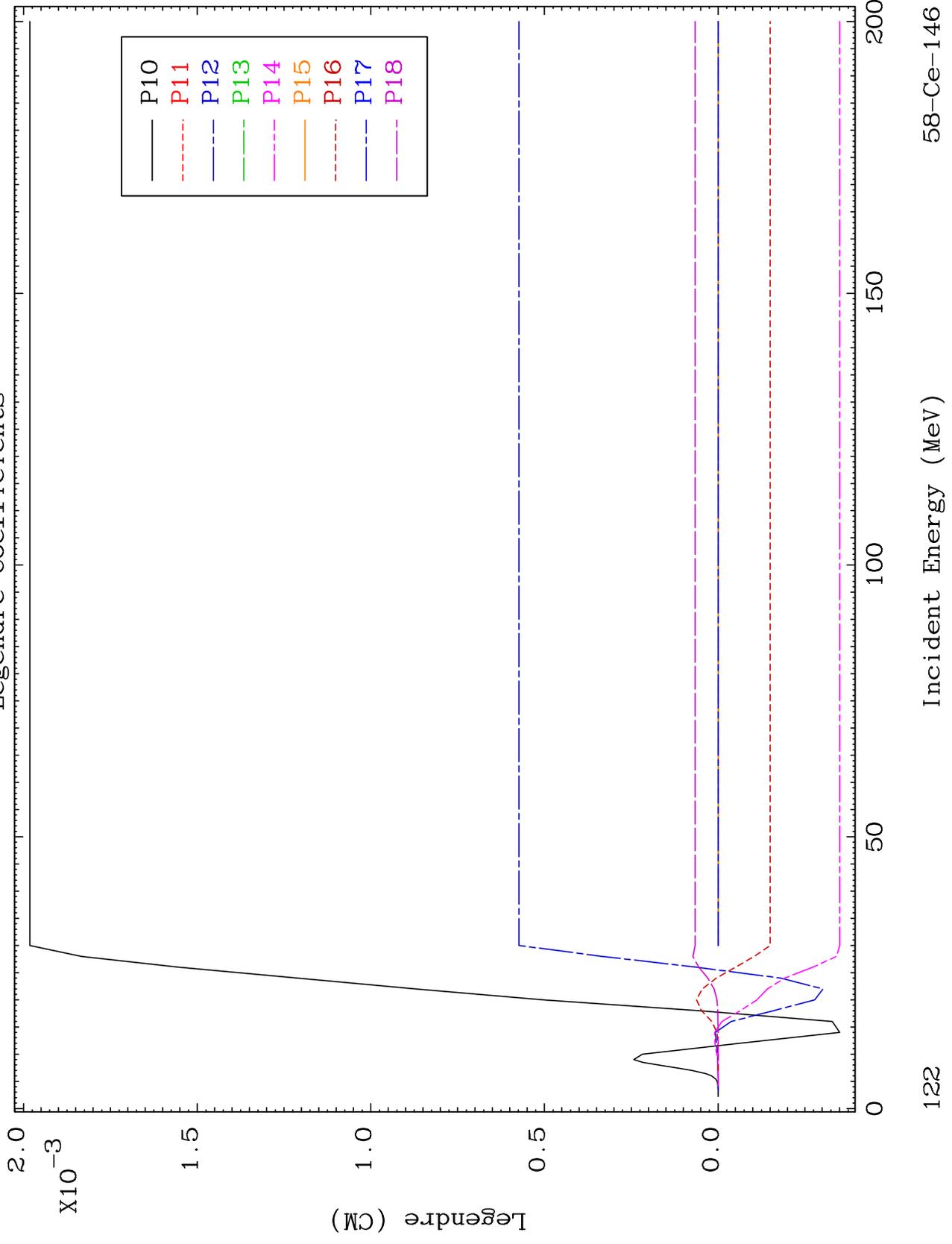
Incident Energy (MeV)

58-Ce-146

MAT 5855

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

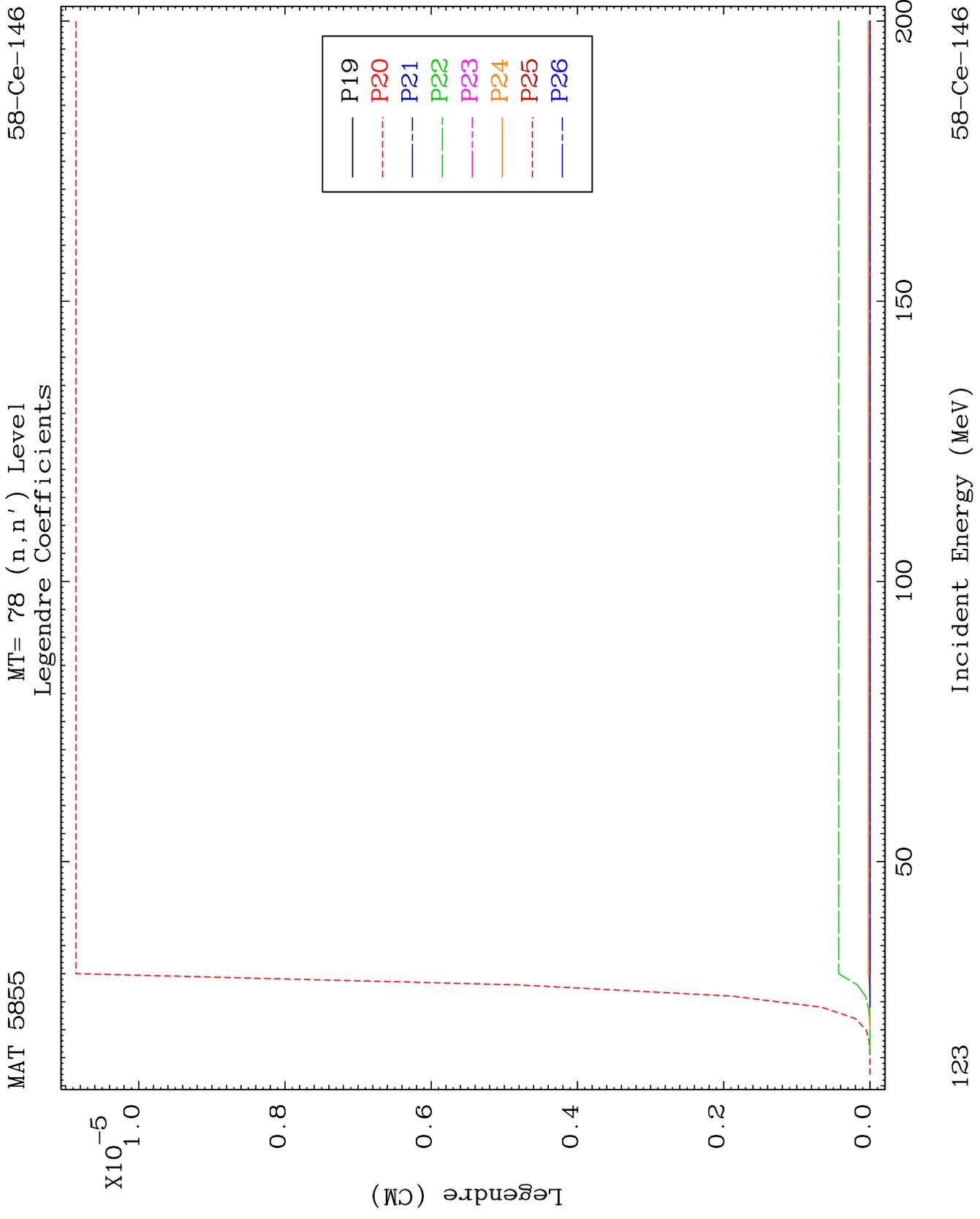
58-Ce-146



58-Ce-146

Incident Energy (MeV)

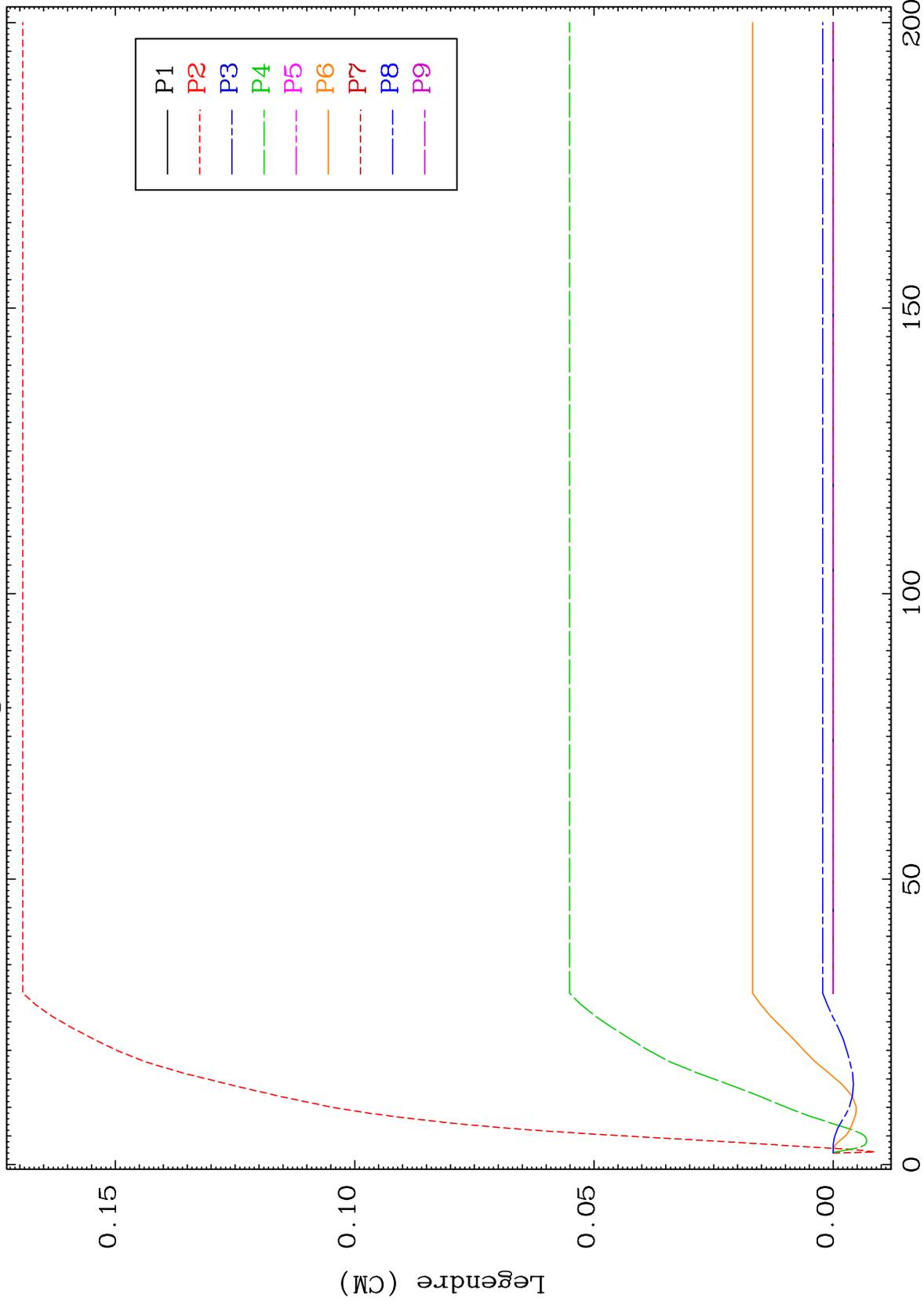
122



MAT 5855

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

58-Ce-146



124

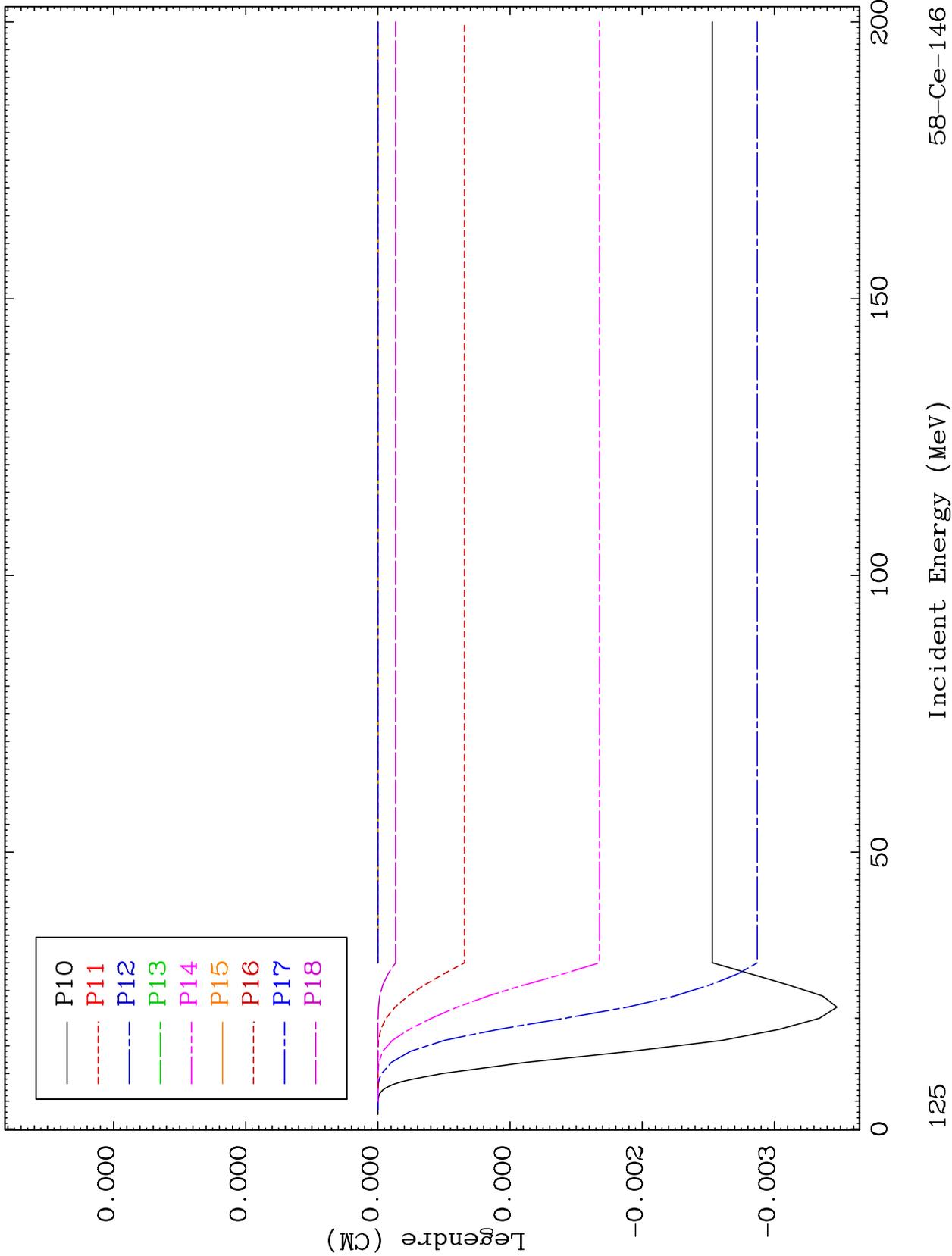
Incident Energy (MeV)

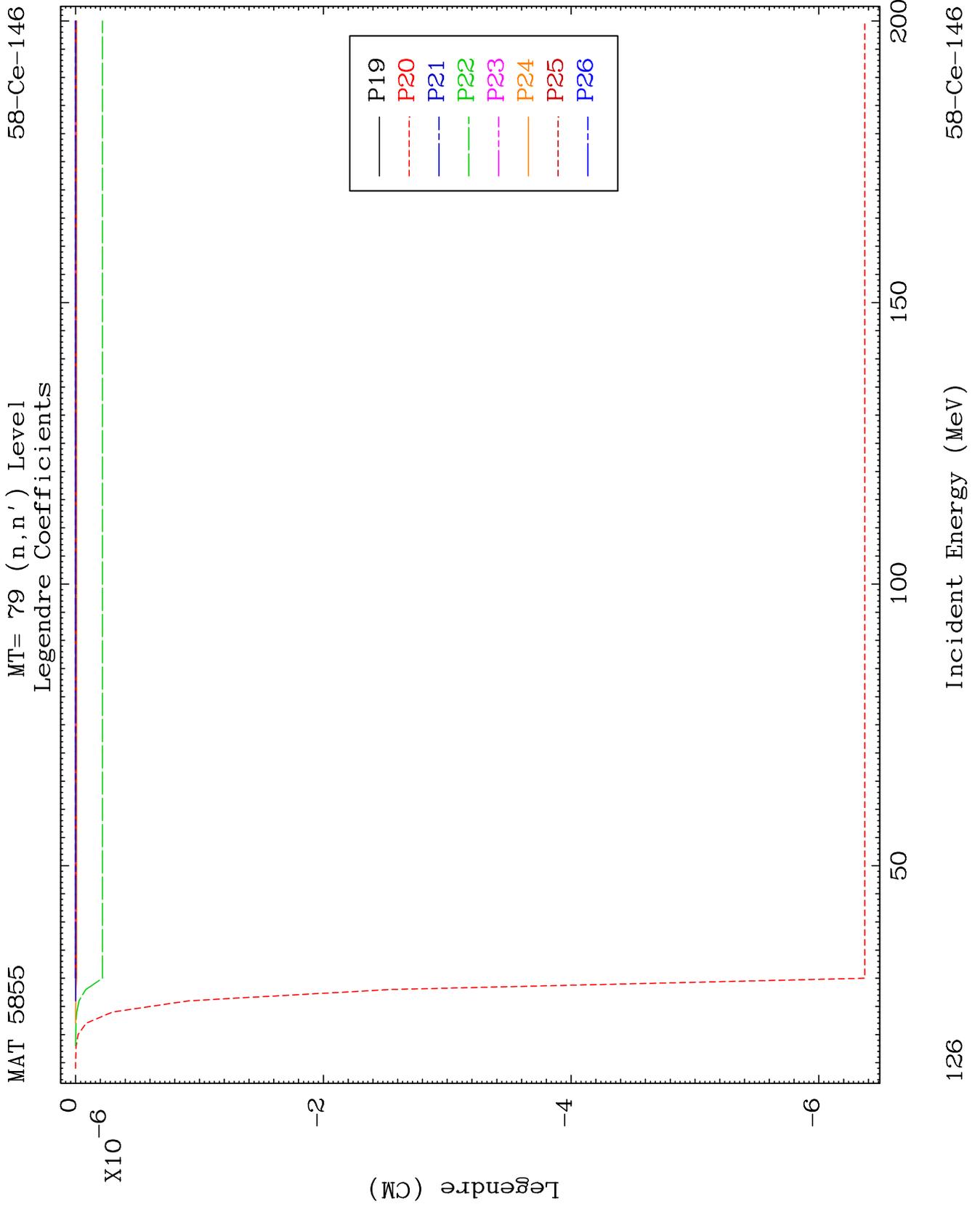
58-Ce-146

MAT 58555

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

58-Ce-146

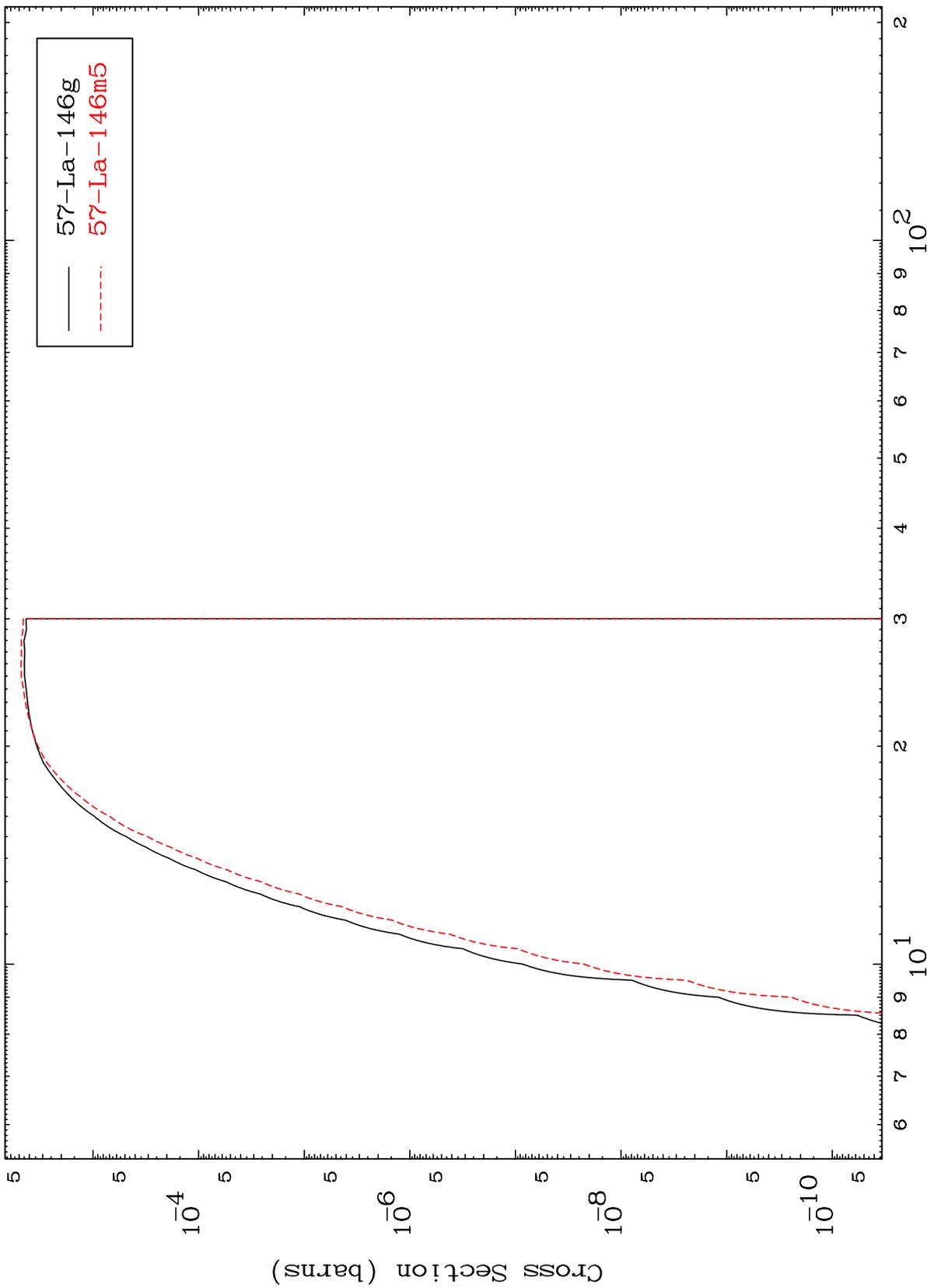




MAT 5855

58-Ce-146

(n,p)
Radionuclide Production Cross Section



127

Incident Energy (MeV)

58-Ce-146