

Program EVALPLOT
(Version 2021-1)

by

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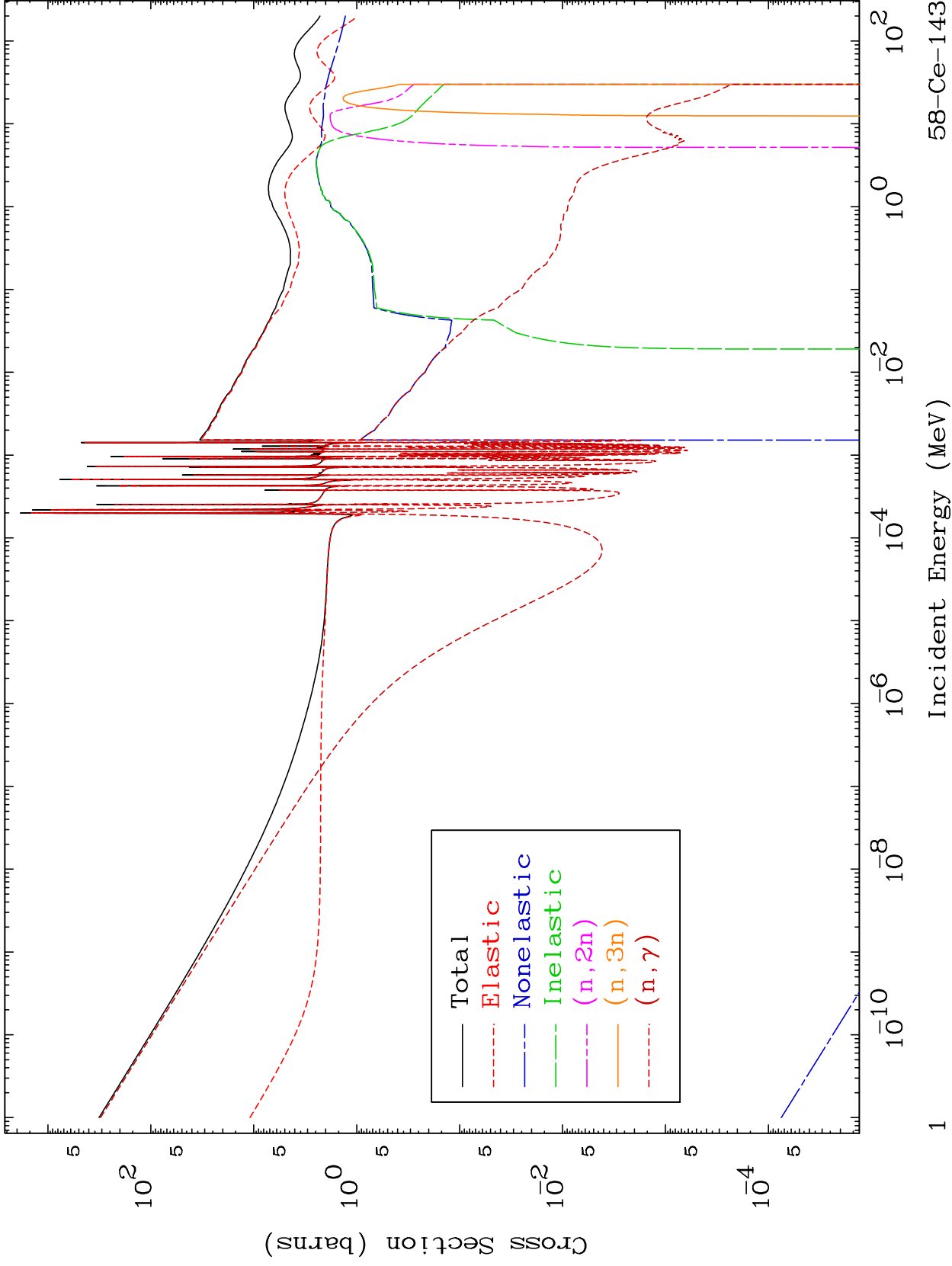
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5846

Neutron Major
293 Kelvin Cross Sections

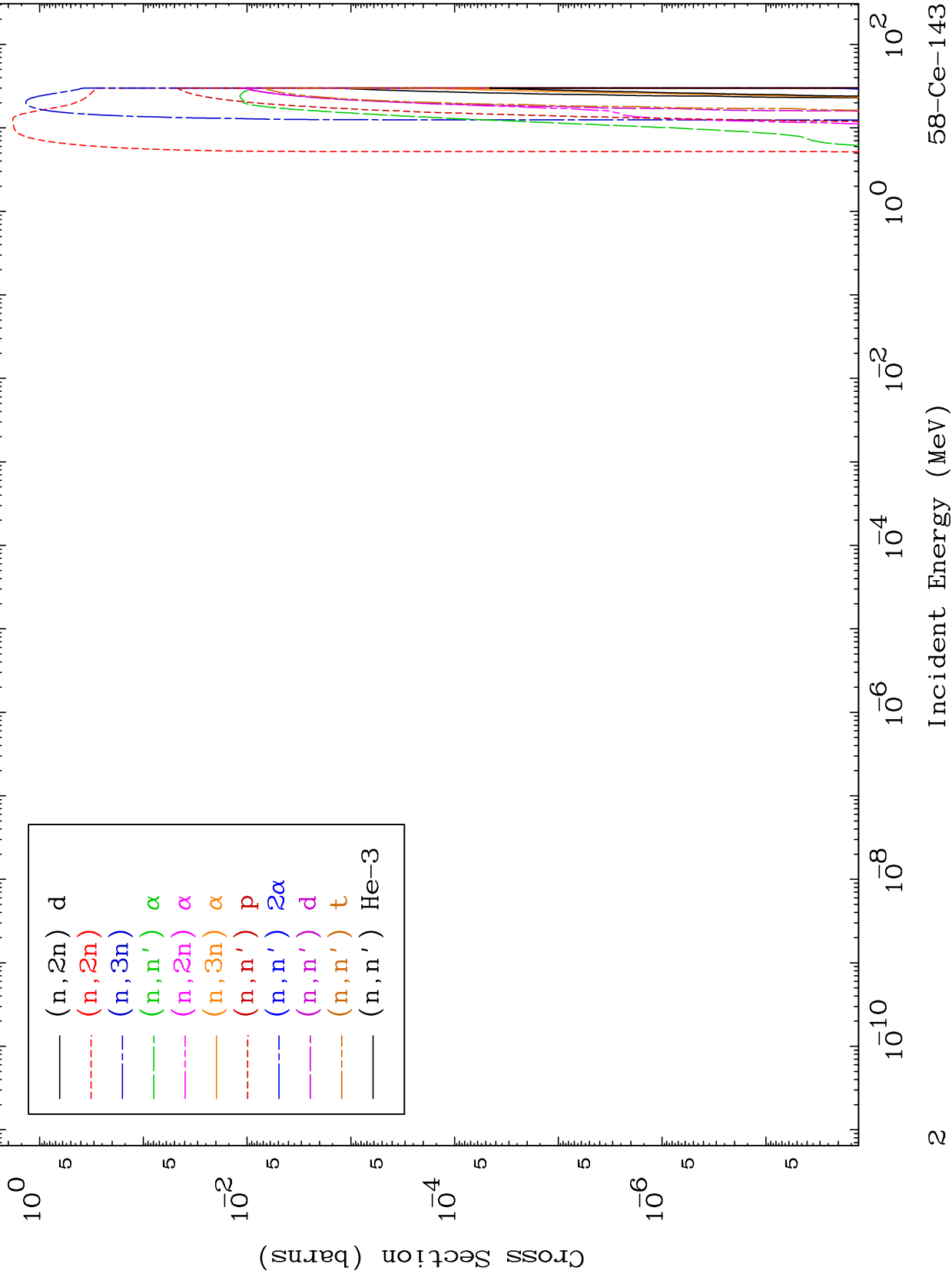
58-Ce-143



MAT 5846

Neutron Absorption
293 Kelvin Cross Sections

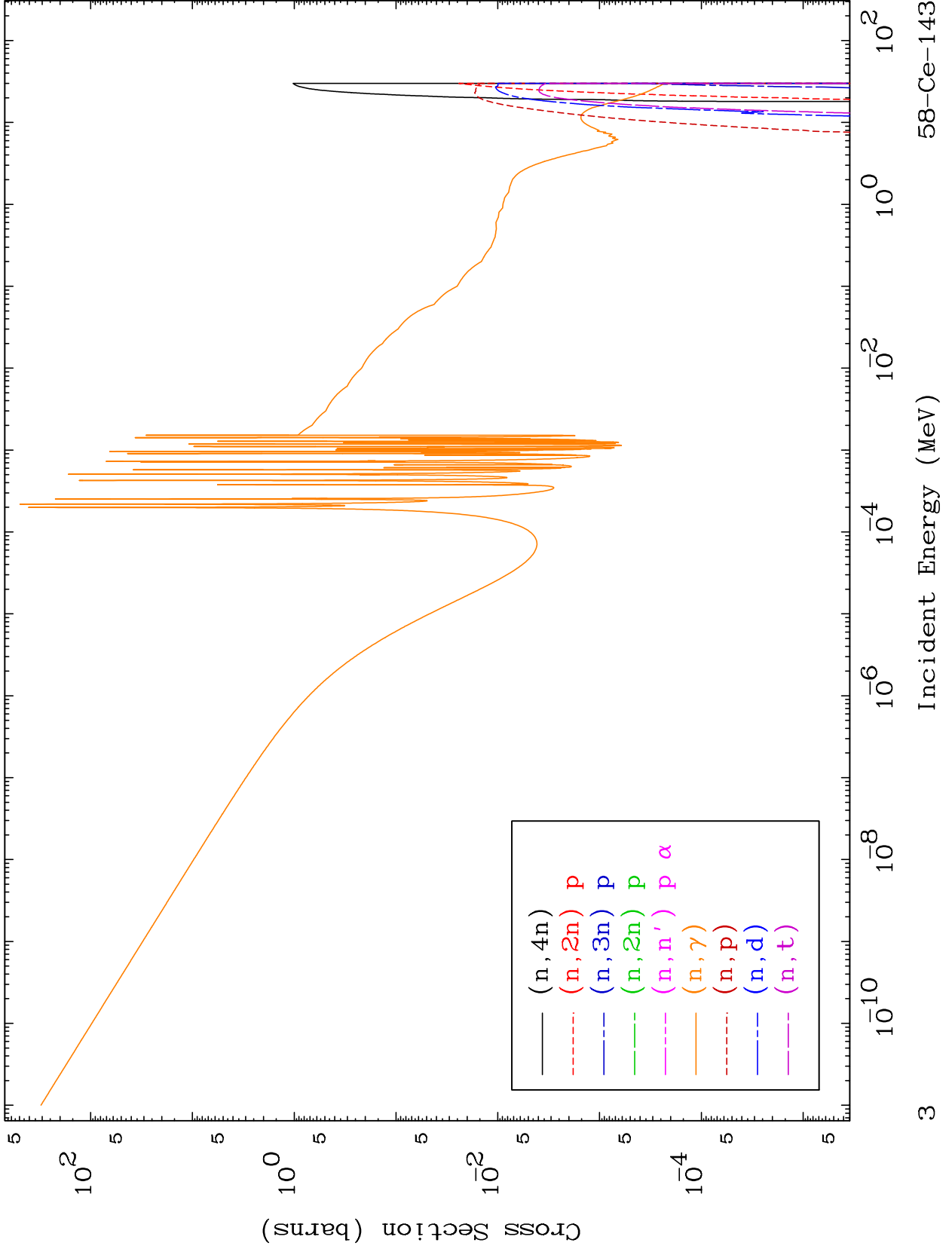
58-Ce-143



MAT 5846

Neutron Absorption
293 Kelvin Cross Sections

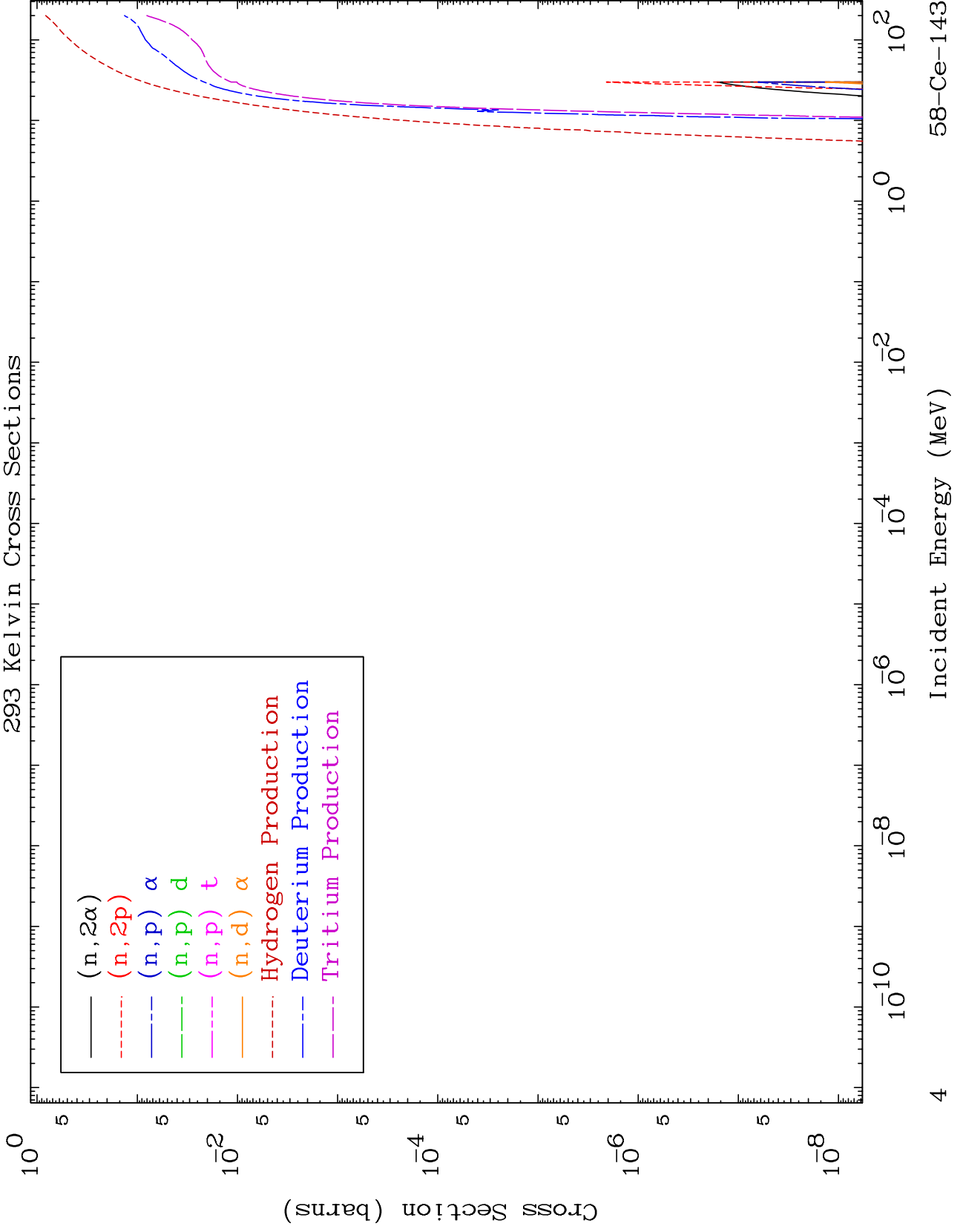
58-Ce-143



MAT 5846

Neutron Absorption
293 Kelvin Cross Sections

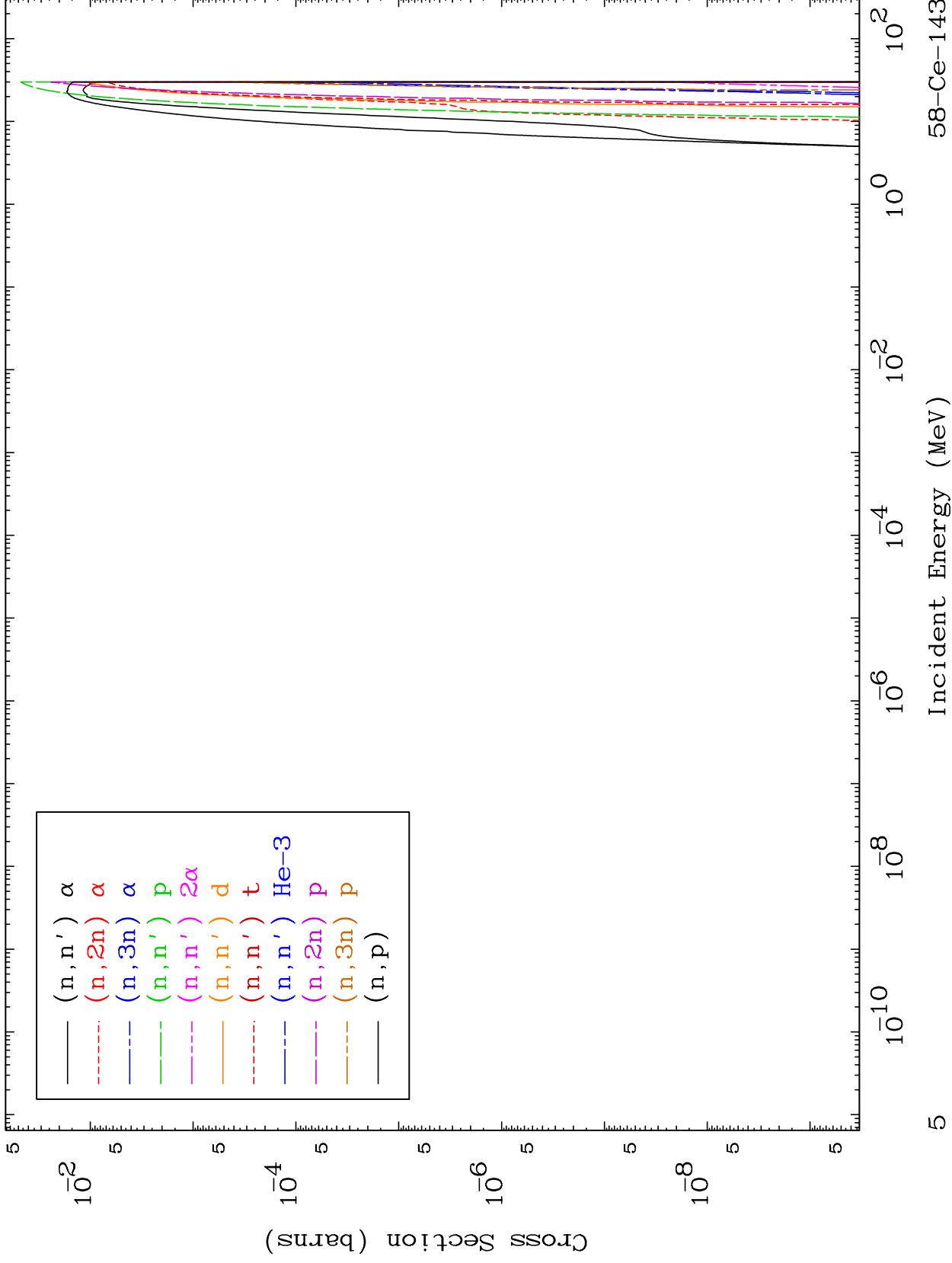
58-Ce-143



MAT 5846

Charged Particle
293 Kelvin Cross Sections

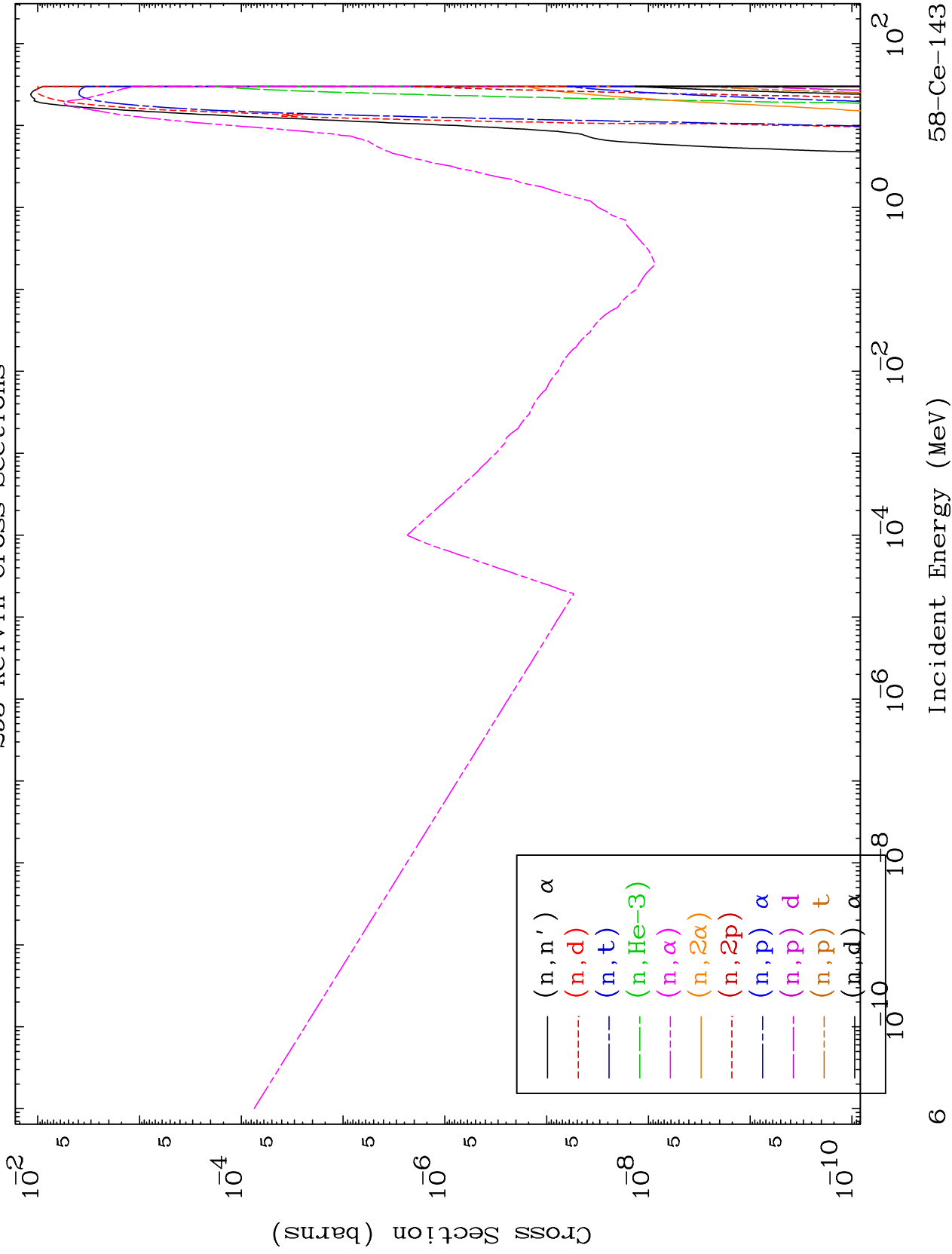
58-Ce-143



MAT 5846

Charged Particle
293 Kelvin Cross Sections

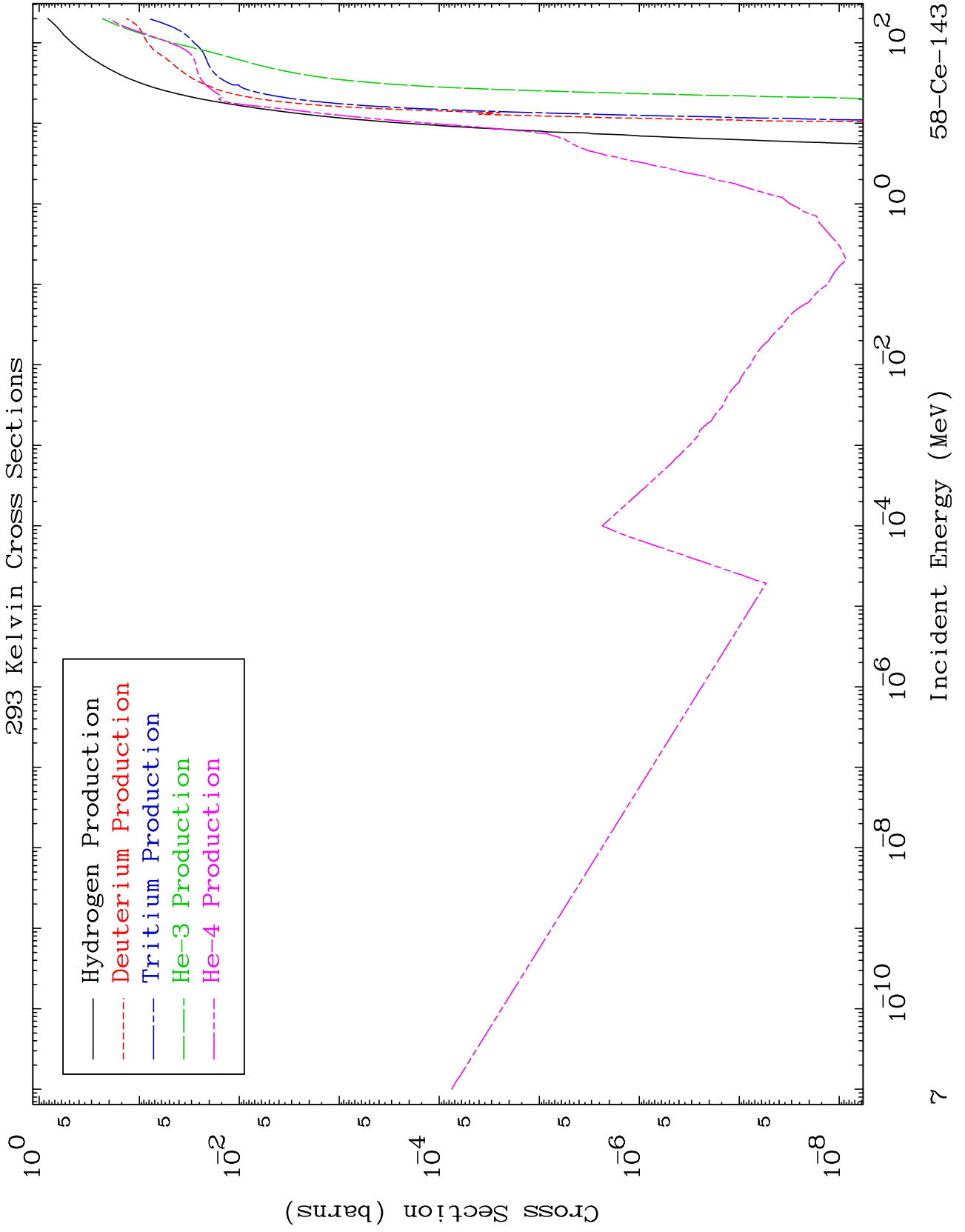
58-Ce-143



MAT 5846

Particle Production
293 Kelvin Cross Sections

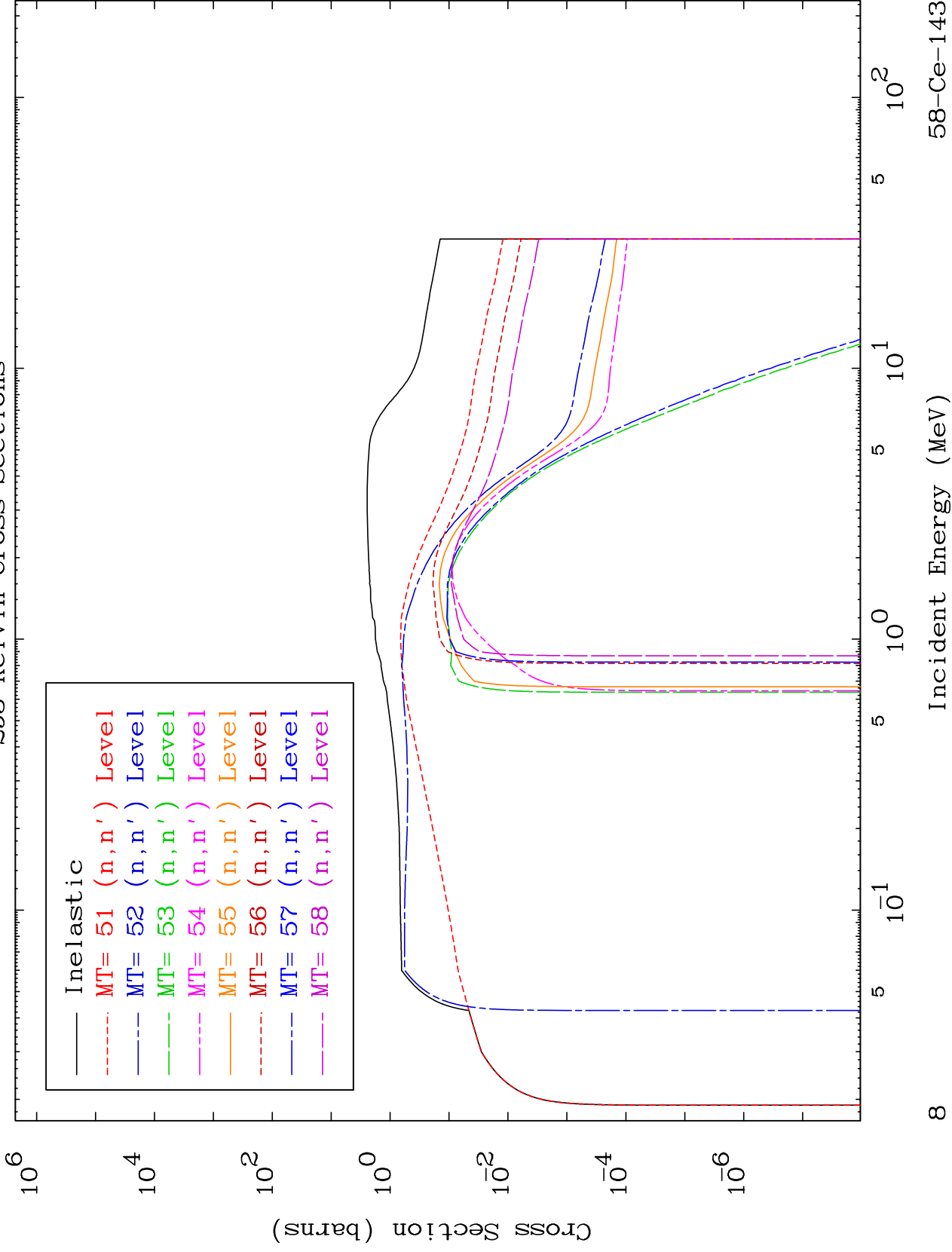
58-Ce-143



MAT 5846

(n,n') Levels
293 Kelvin Cross Sections

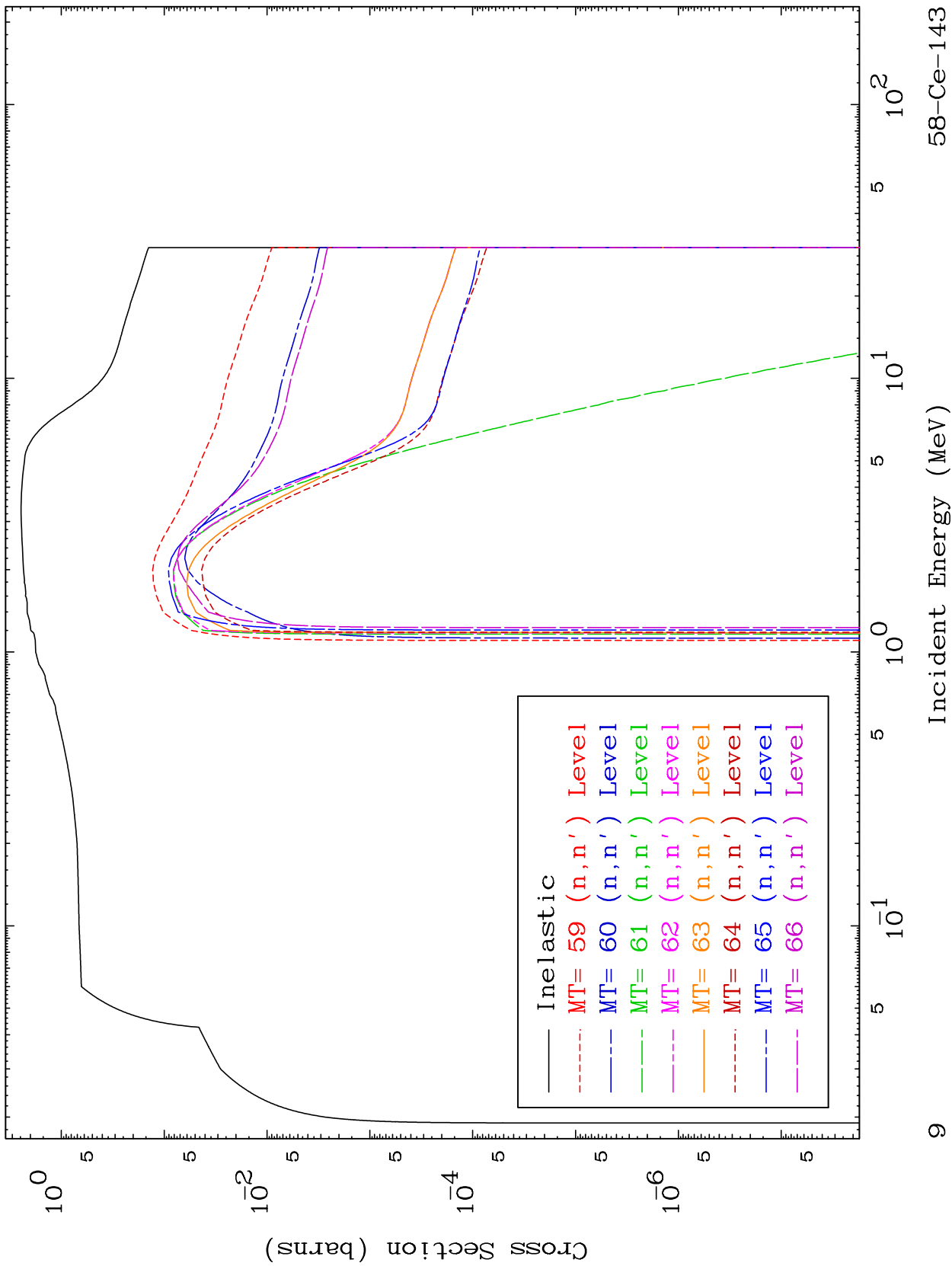
58-Ce-143



MAT 5846

58-Ce-143

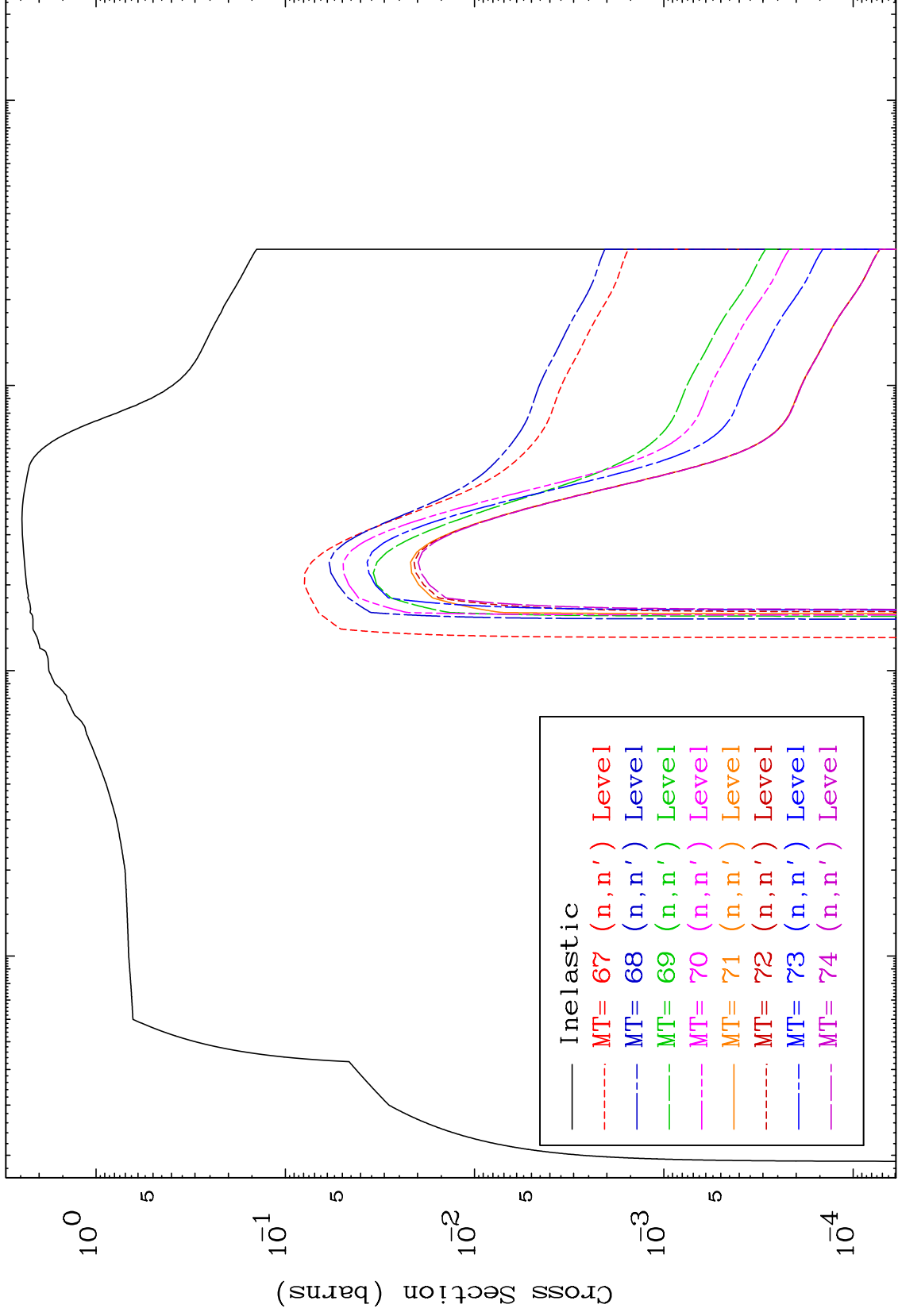
(n,n') Levels
293 Kelvin Cross Sections



MAT 5846

58-Ce-143

(n,n') Levels
293 Kelvin Cross Sections



58-Ce-143

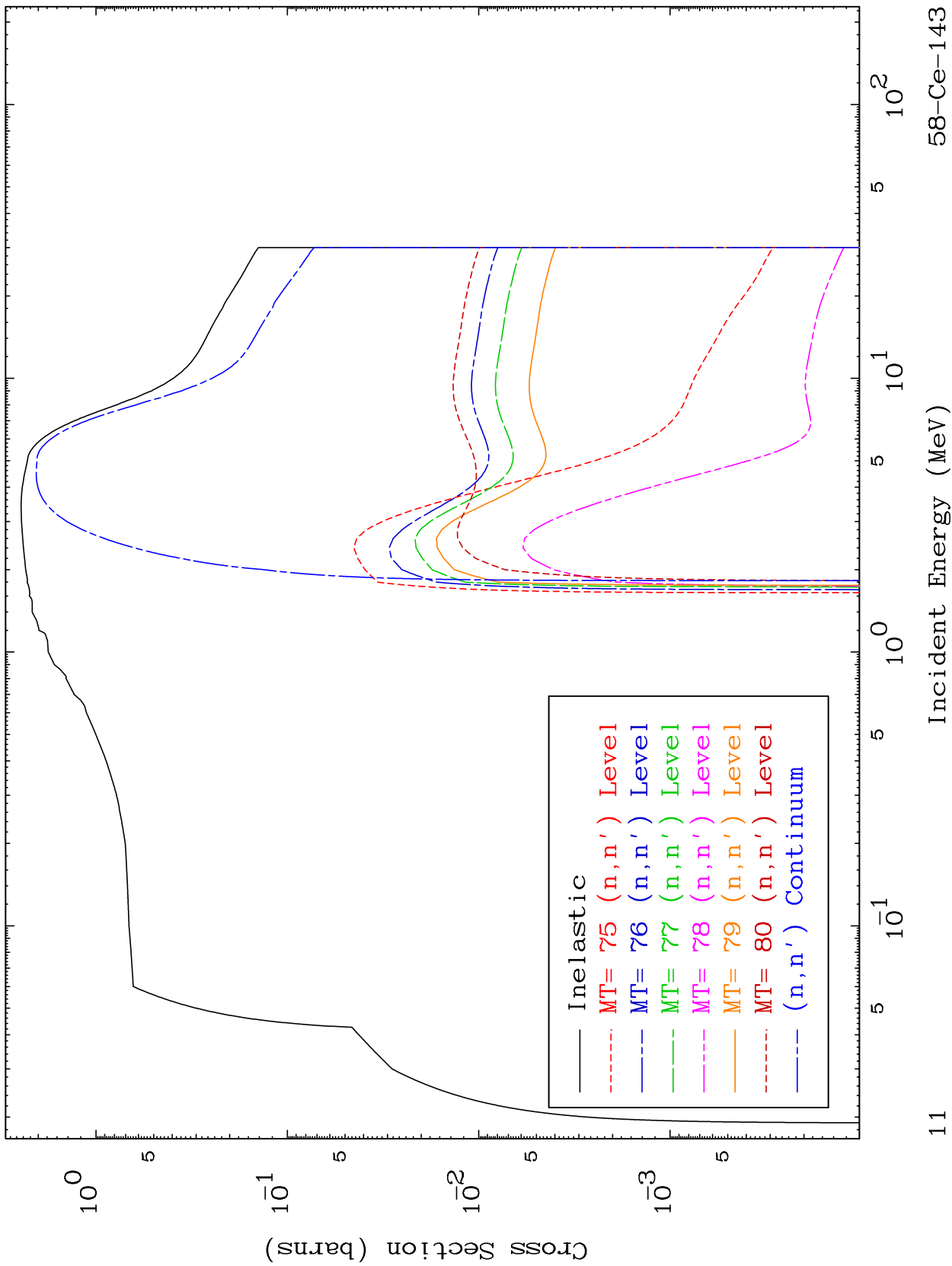
Incident Energy (MeV)

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MAT 5846

58-Ce-143

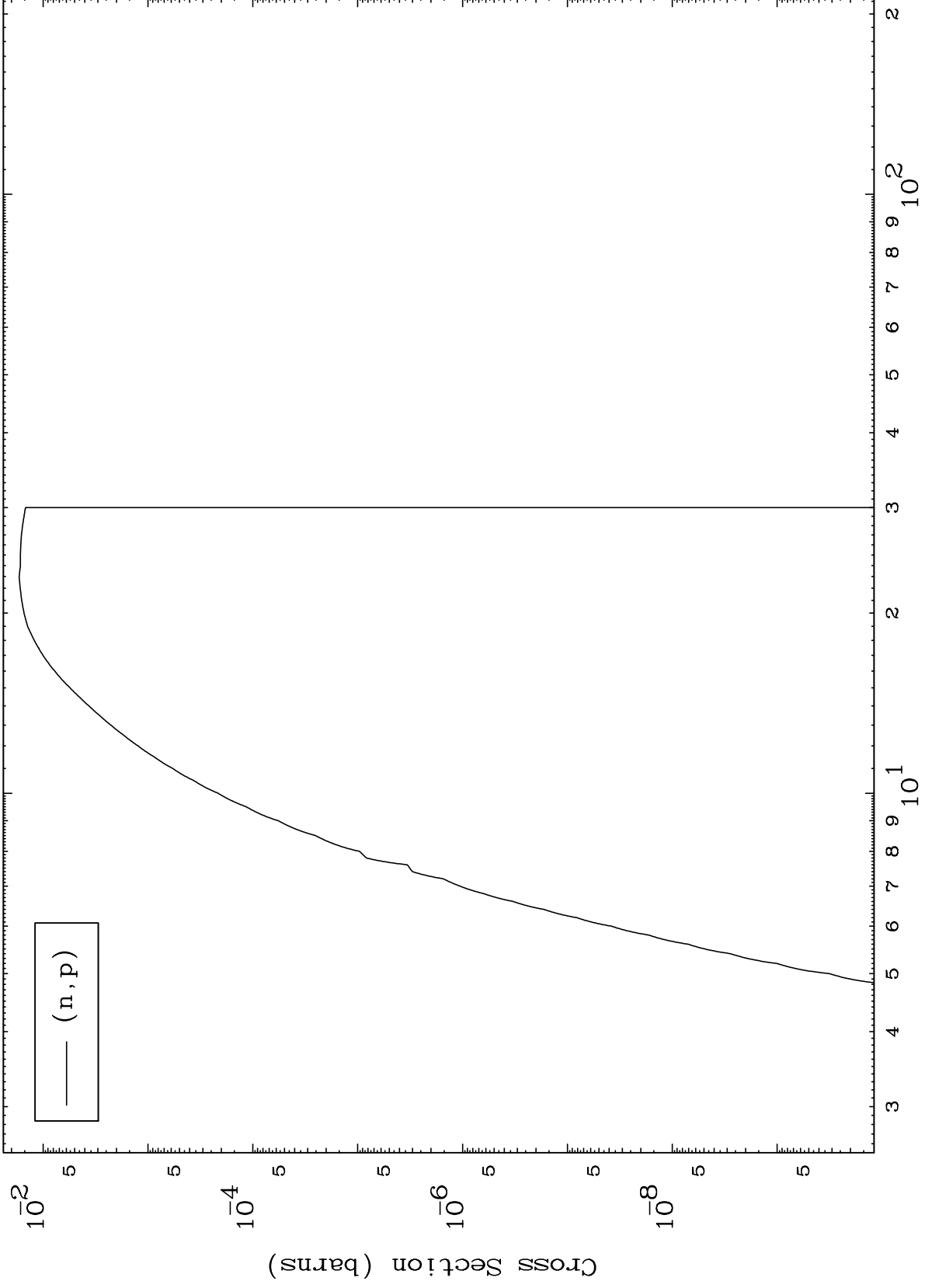
(n,n') Levels
293 Kelvin Cross Sections



MAT 5846

(n,p) Levels
293 Kelvin Cross Sections

58-Ce-143



12

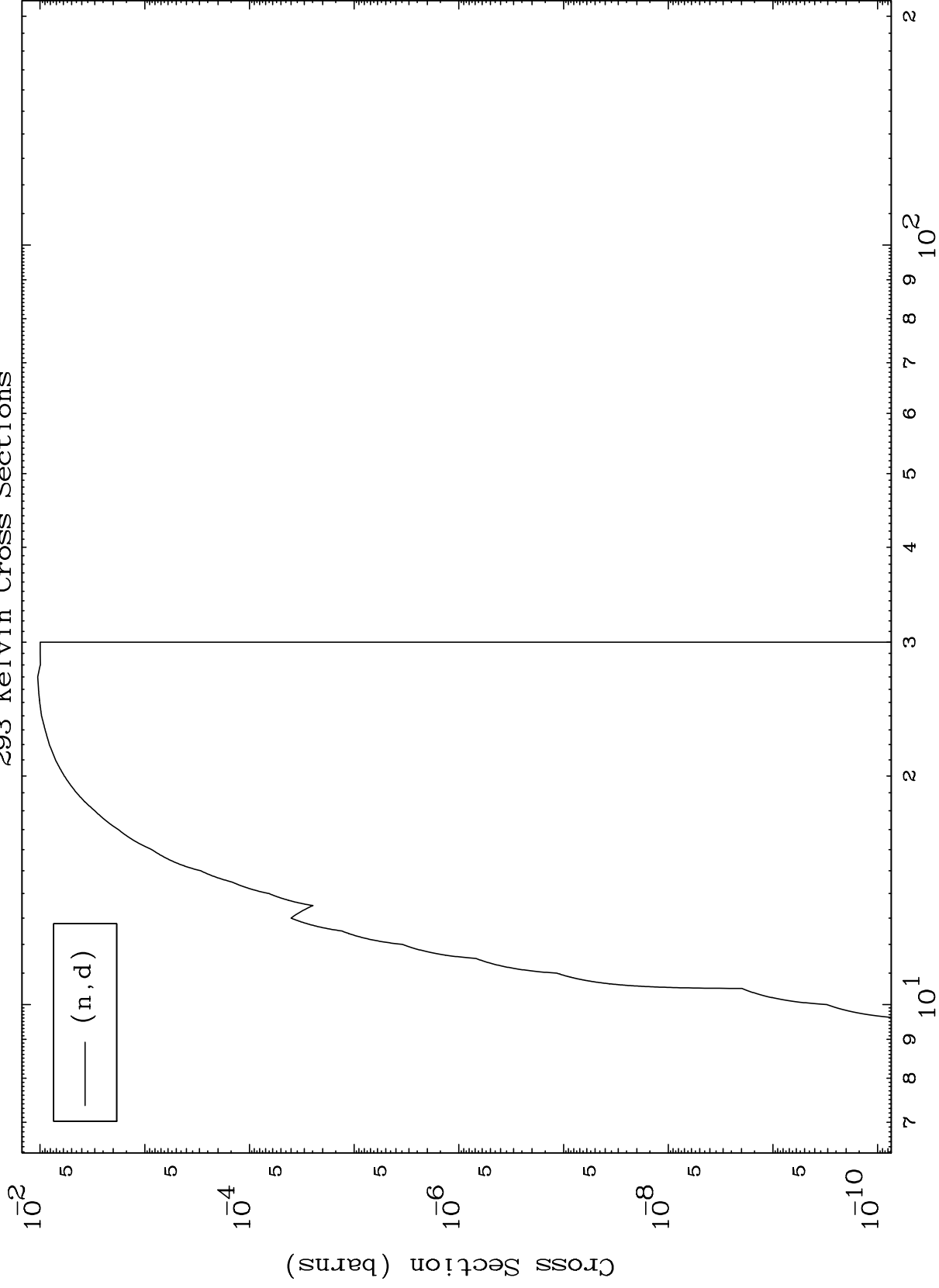
Incident Energy (MeV)

58-Ce-143

MAT 5846

(n,d) Levels
293 Kelvin Cross Sections

58-Ce-143



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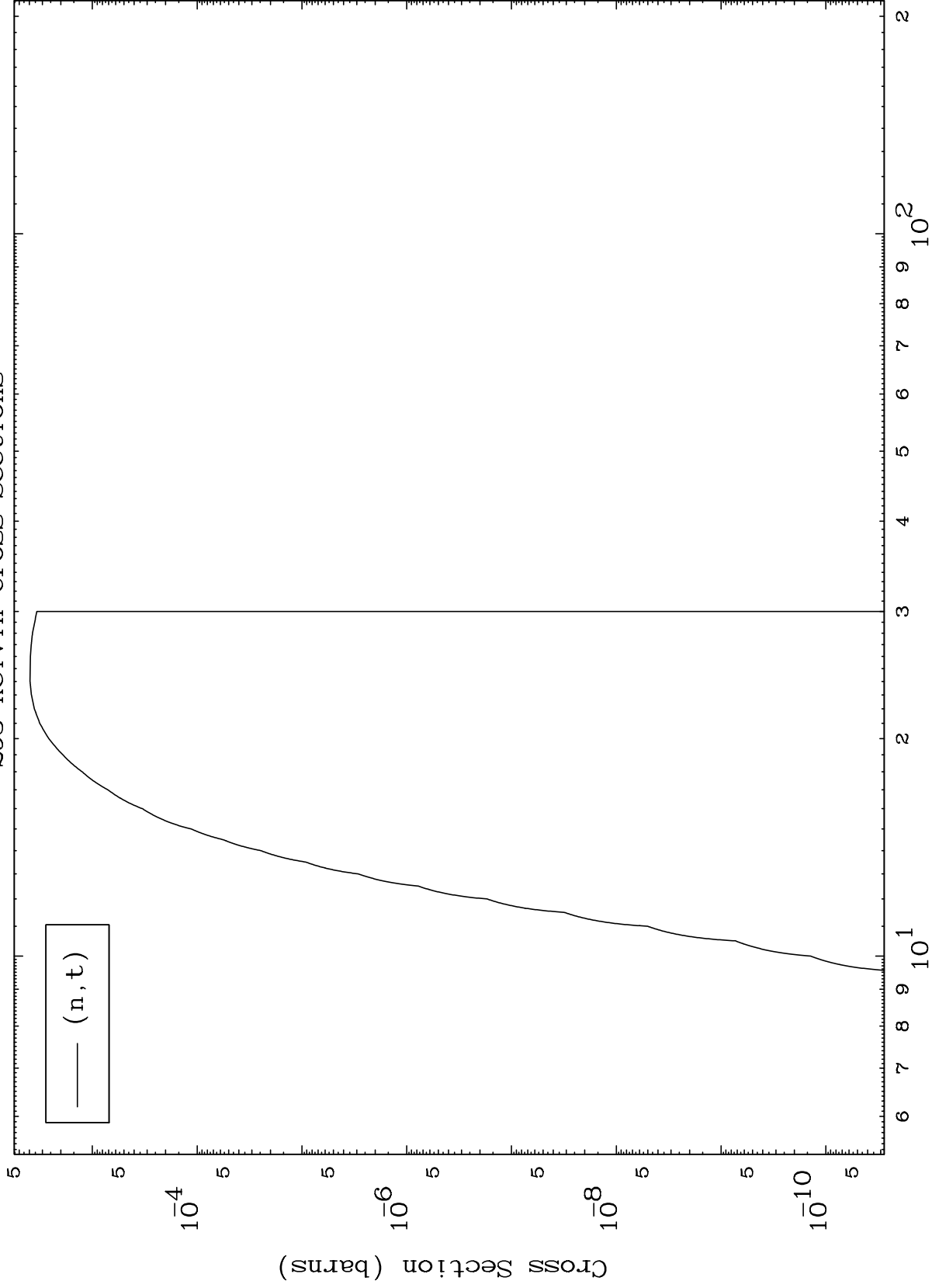
Incident Energy (MeV)

58-Ce-143

MAT 5846

(n,t) Levels
293 Kelvin Cross Sections

58-Ce-143



14

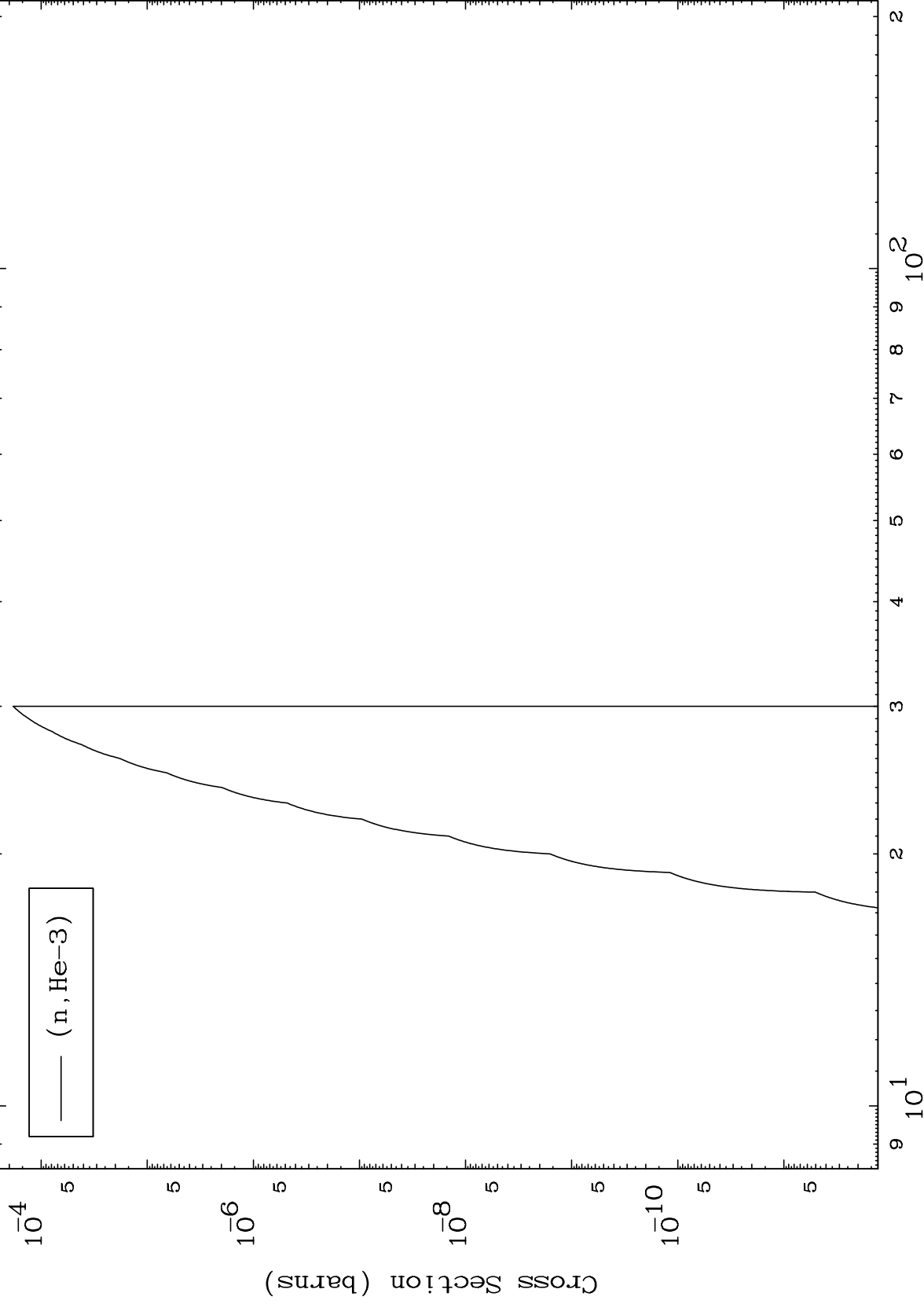
Incident Energy (MeV)

58-Ce-143

MAT 5846

(n,He3) Levels
293 Kelvin Cross Sections

58-Ce-143



15

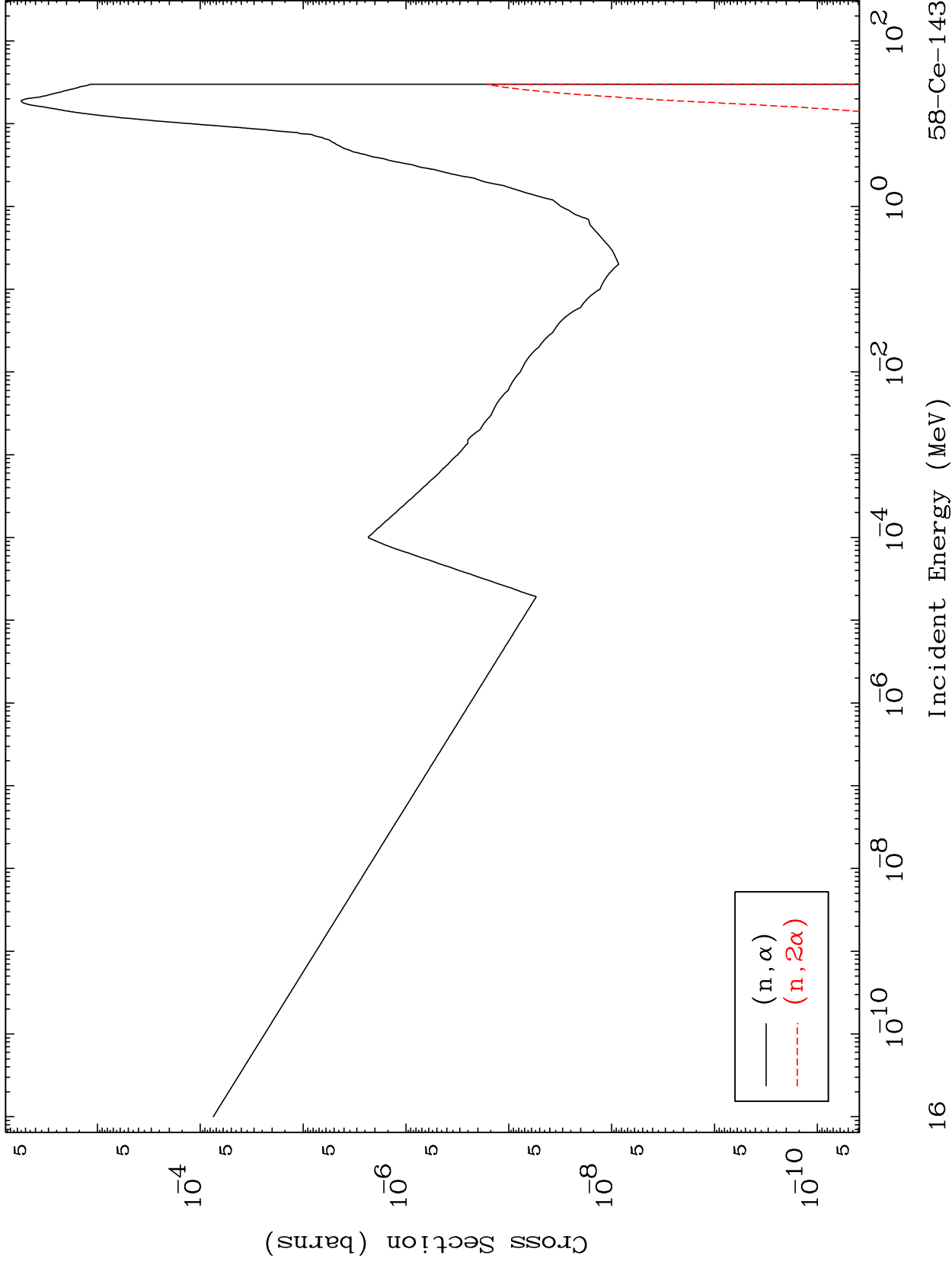
Incident Energy (MeV)

58-Ce-143

MAT 5846

(n, α) Levels
293 Kelvin Cross Sections

58-Ce-143

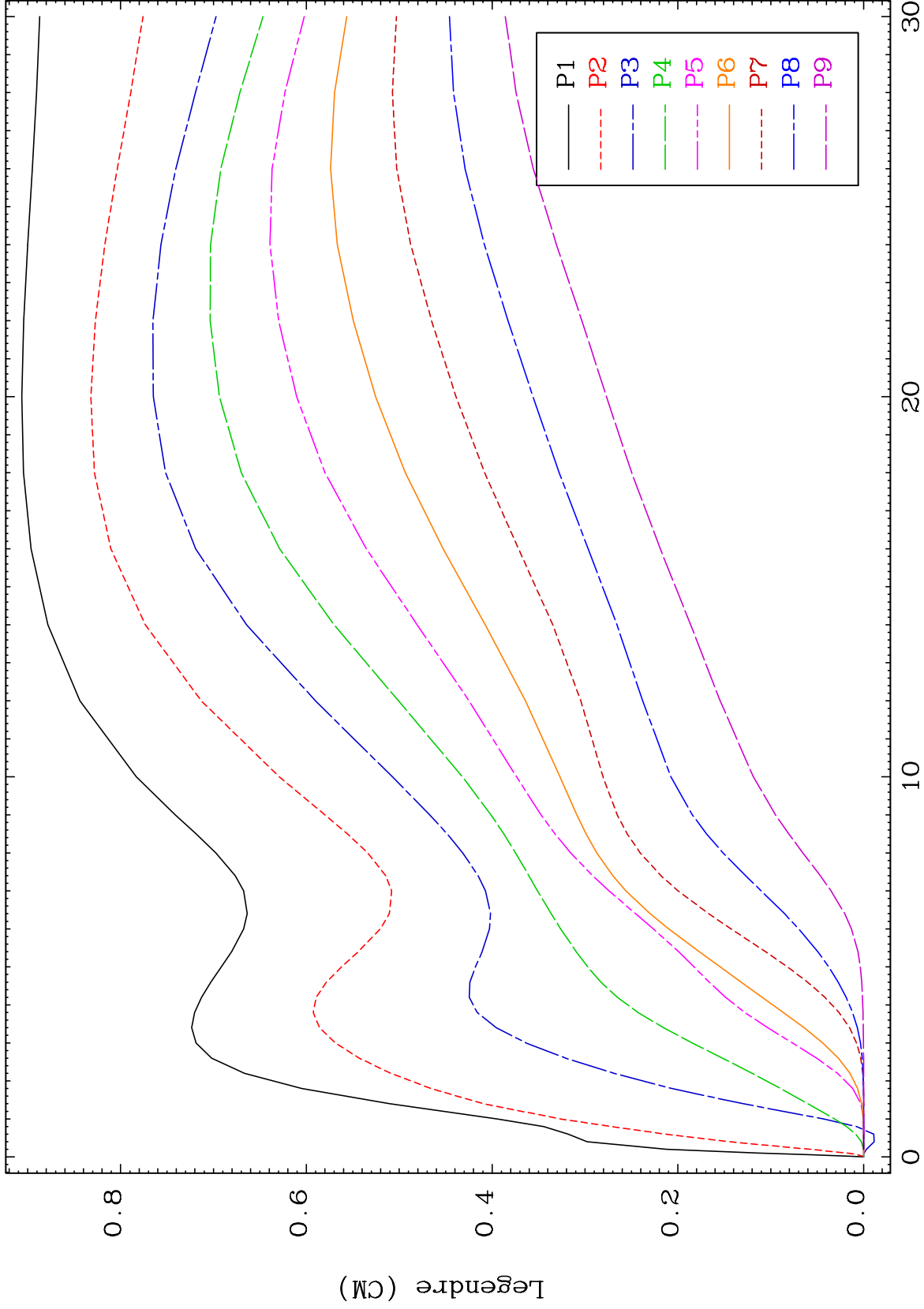


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MAT 5846

Elastic Legendre Coefficients

58-Ce-143



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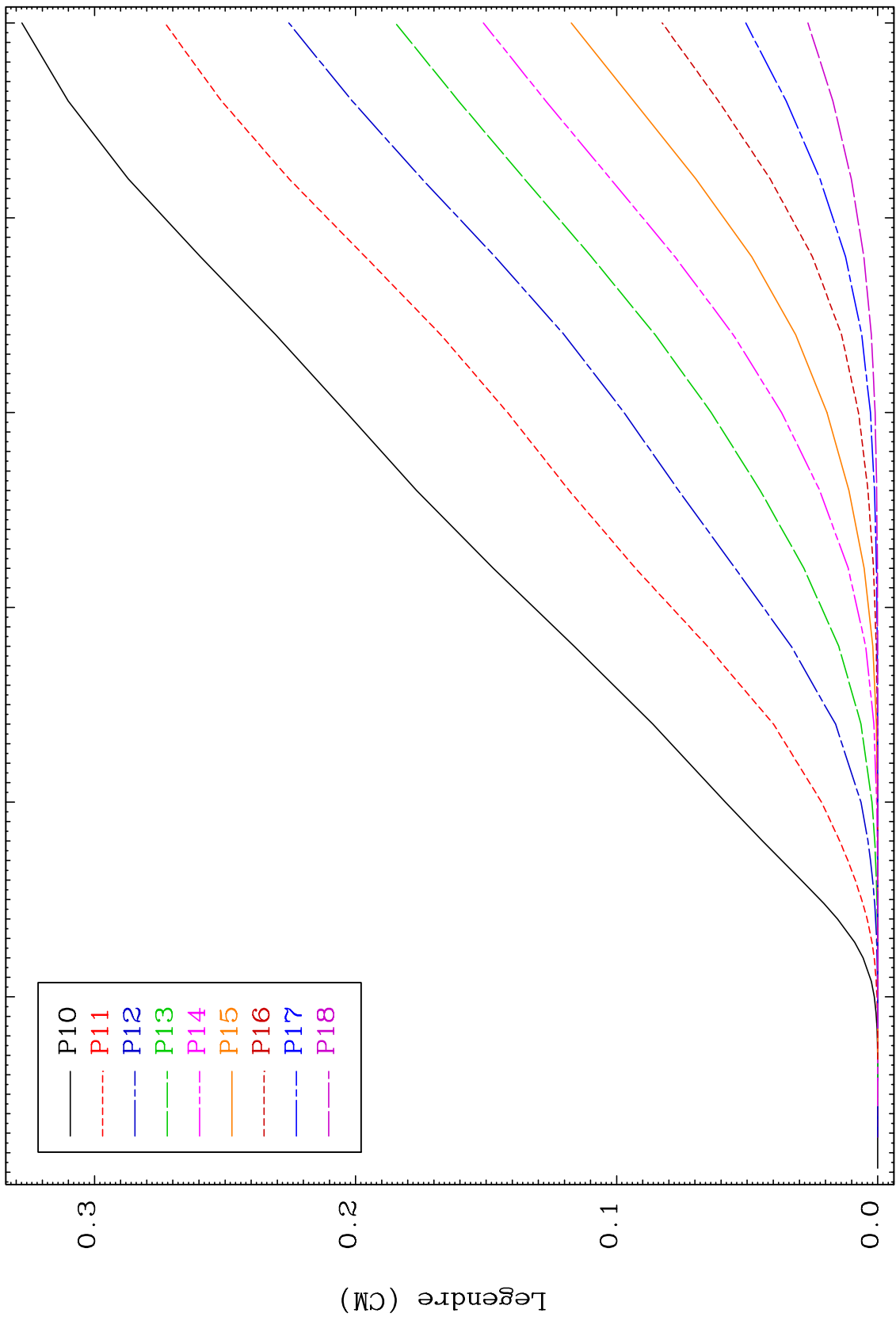
Incident Energy (MeV)

58-Ce-143

MAT 5846

Elastic Legendre Coefficients

58-Ce-143



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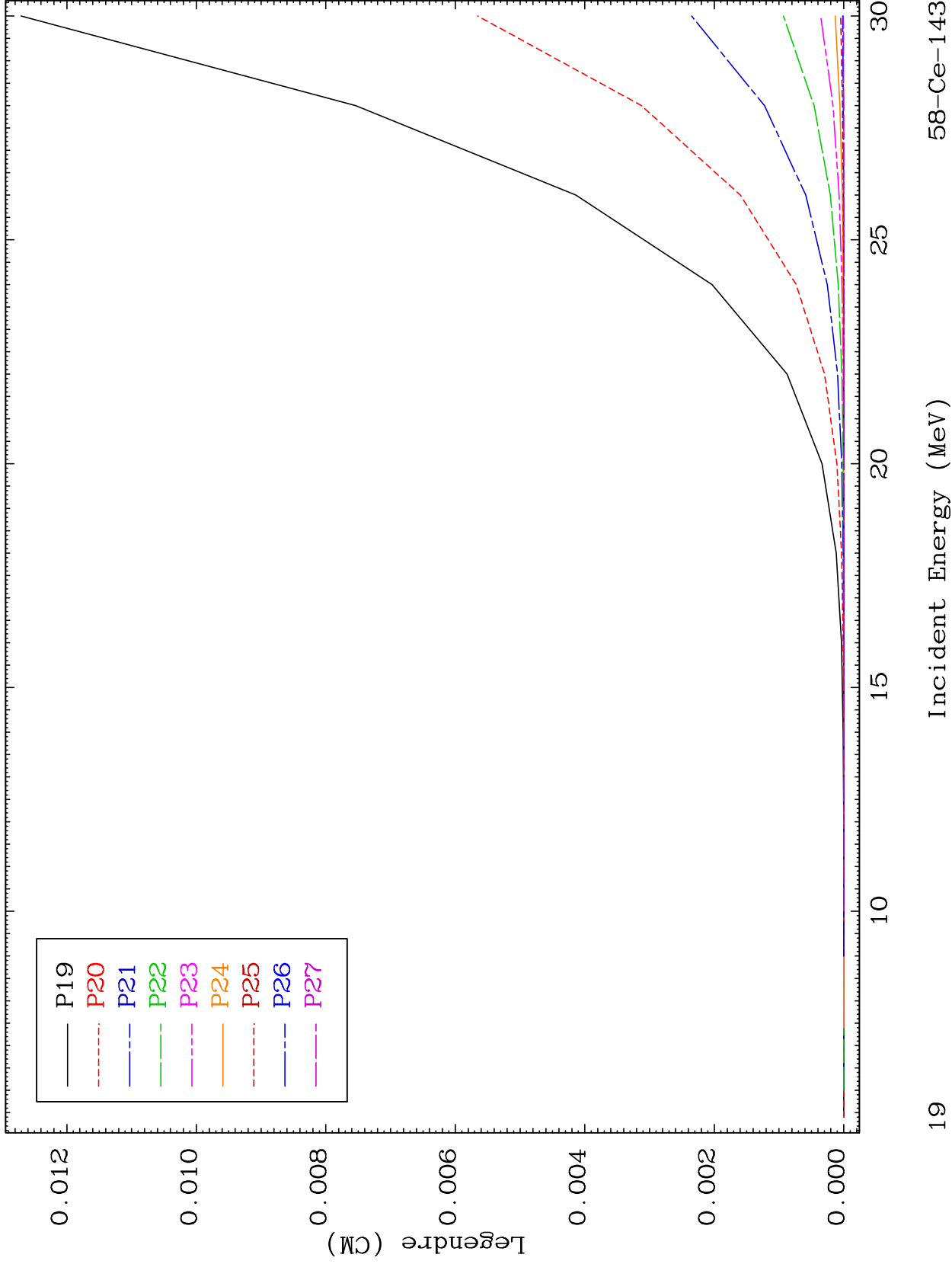
Incident Energy (MeV)

58-Ce-143

MAT 5846

Elastic Legendre Coefficients

58-Ce-143



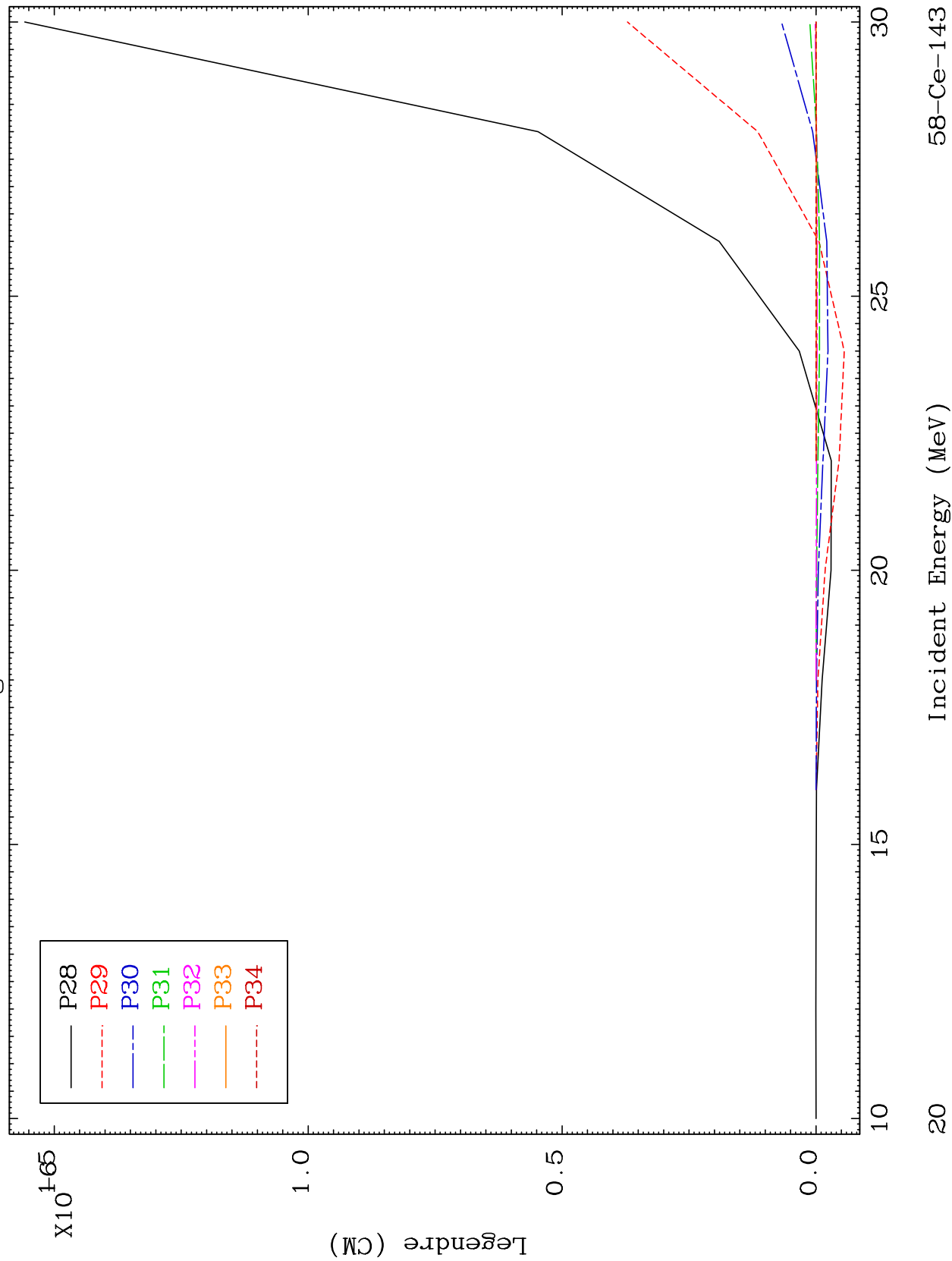
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58-Ce-143

MAT 5846

Elastic Legendre Coefficients

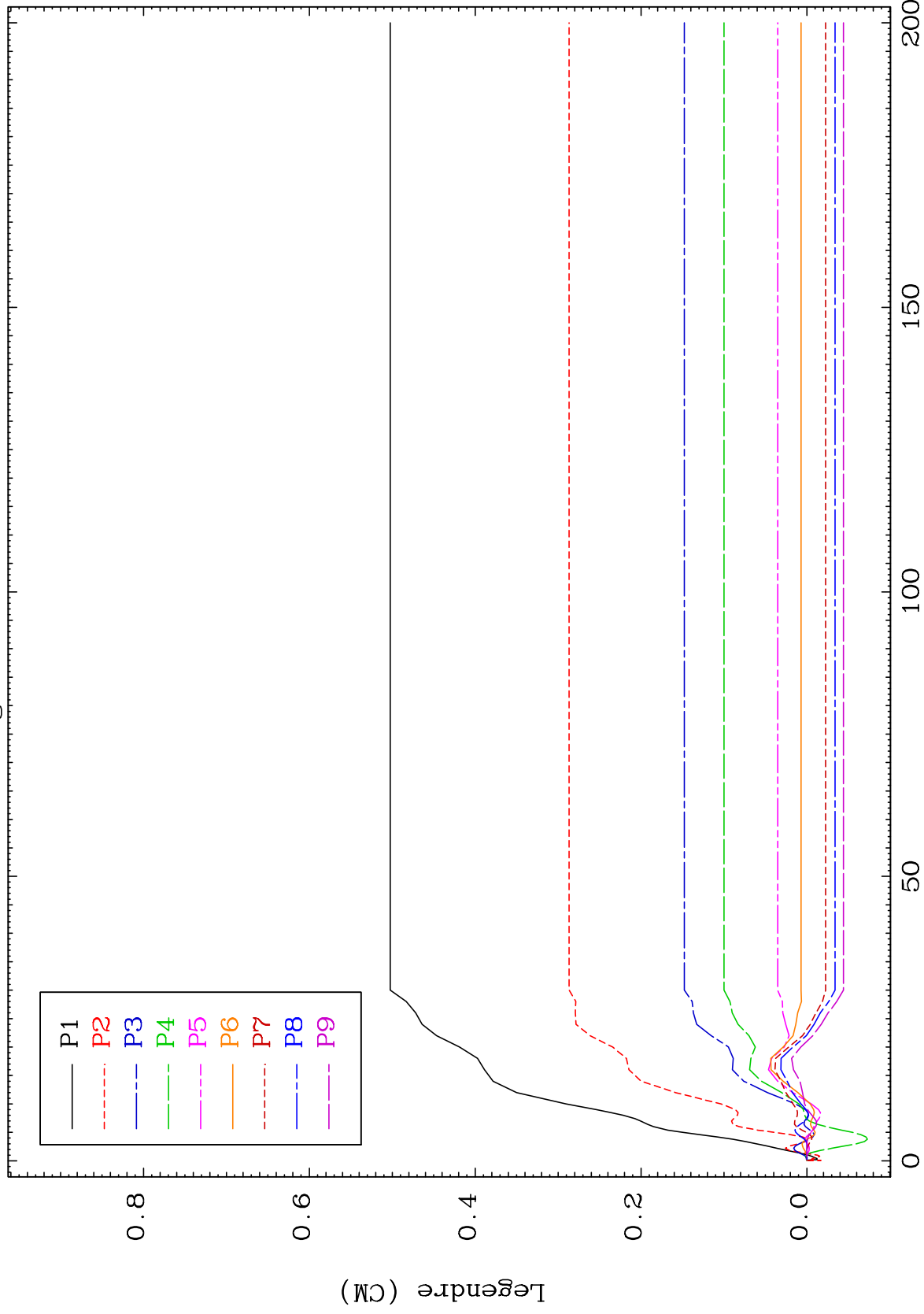
58-Ce-143



MAT 5846

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

58-Ce-143



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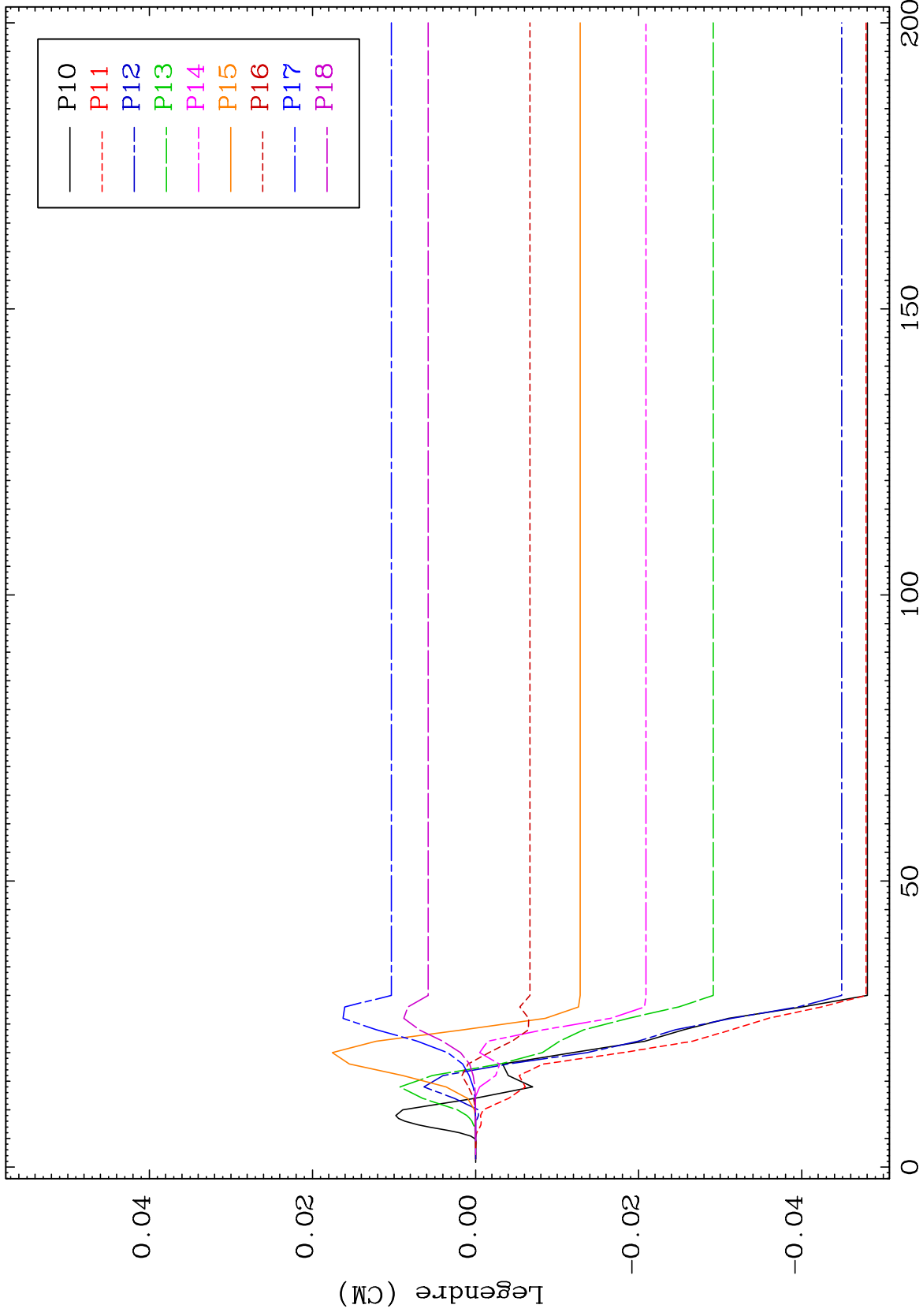
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

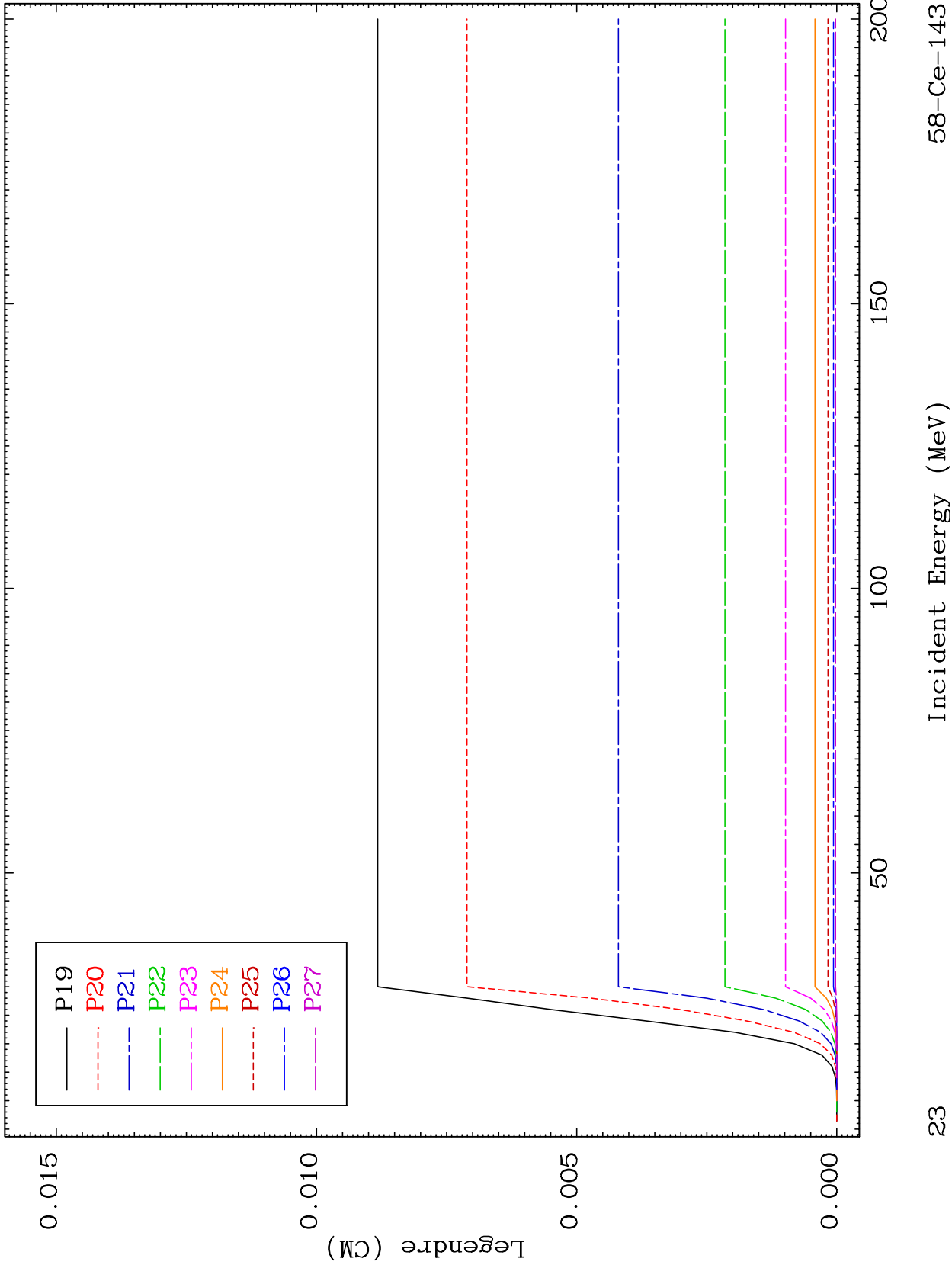
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Incident Energy (MeV)

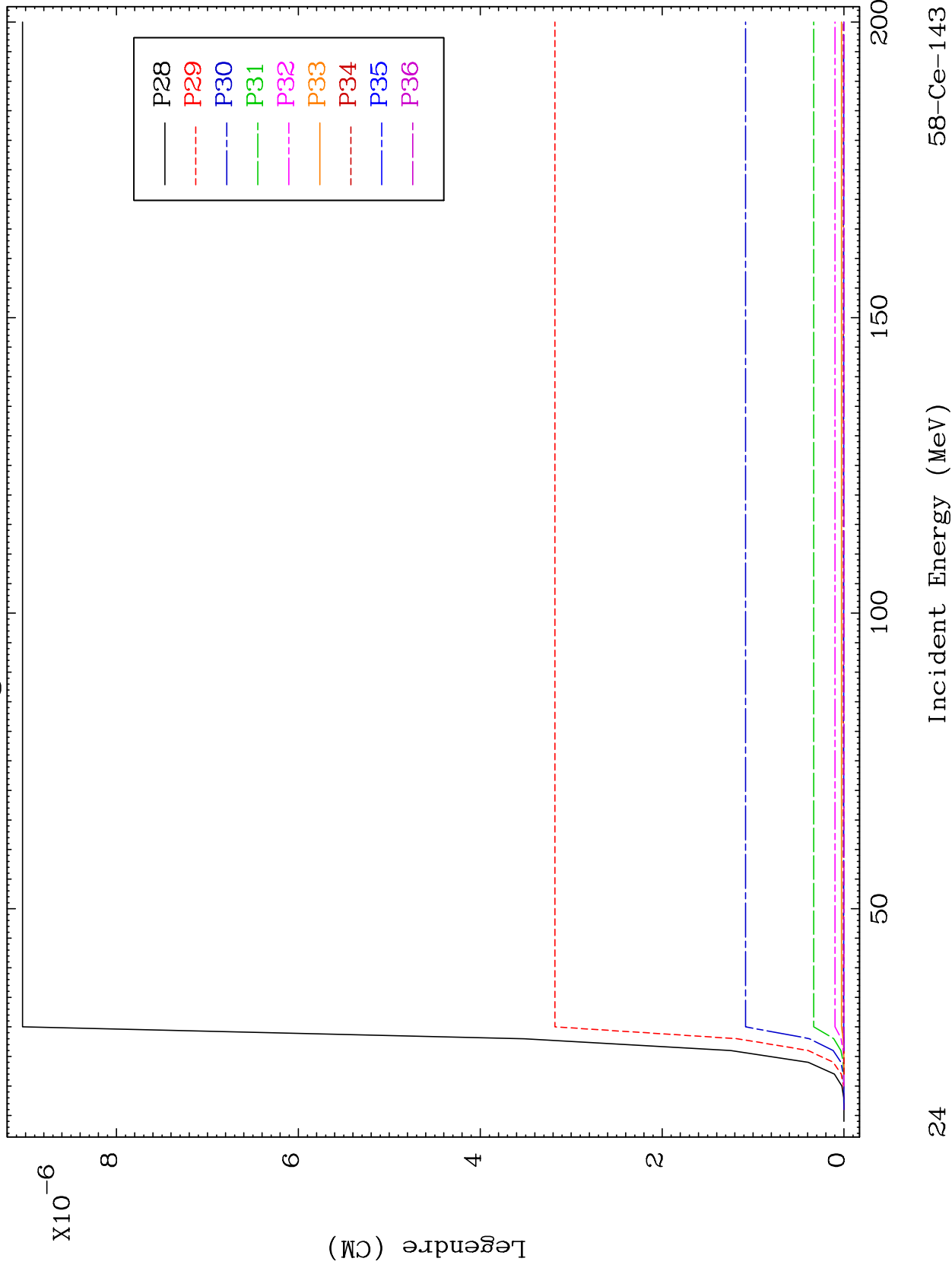
58-Ce-143



MAT 5846

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

58-Ce-143



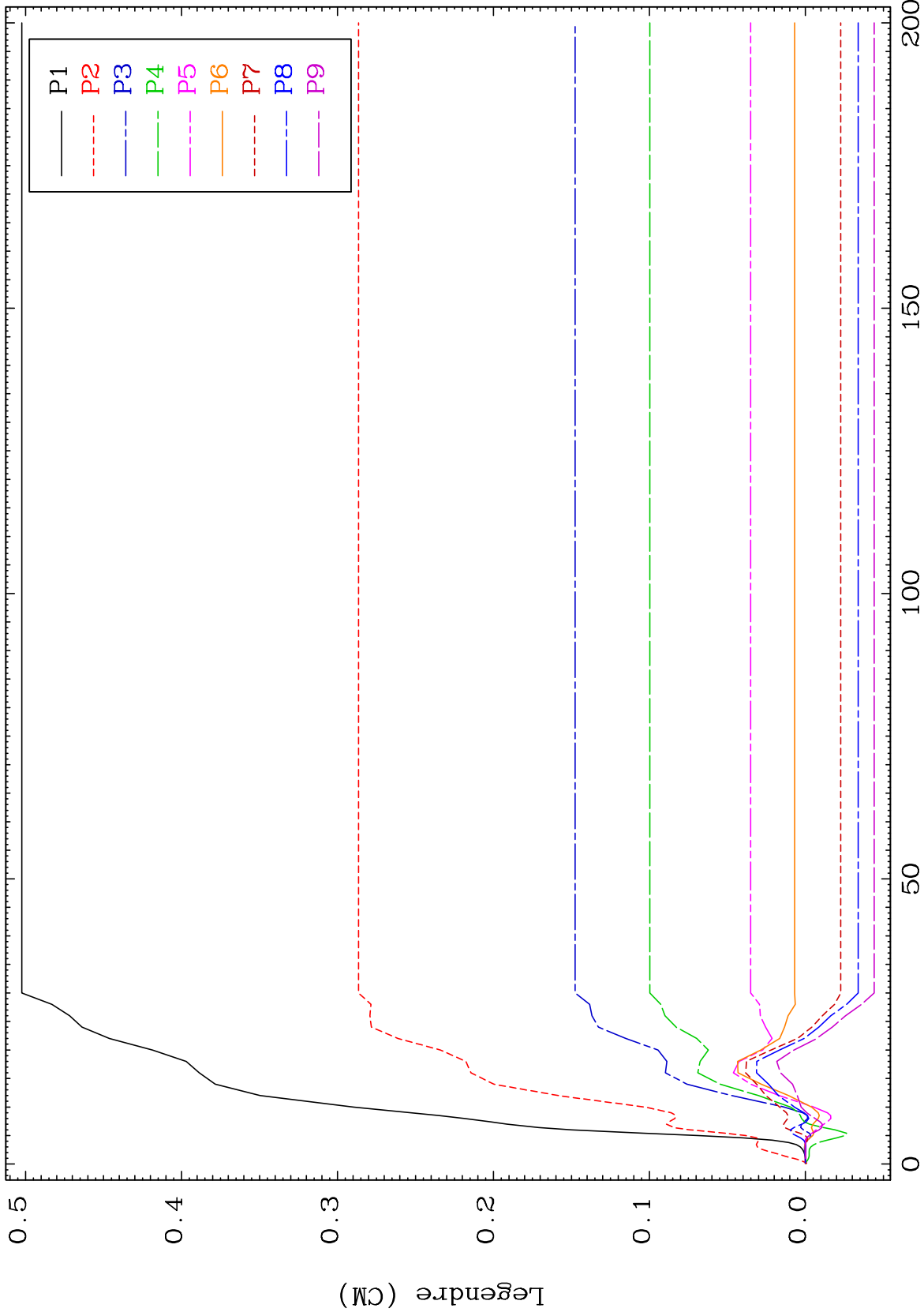
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MAT 5846

MT= 52 (n,n') Level

58-Ce-143

Legendre Coefficients



25

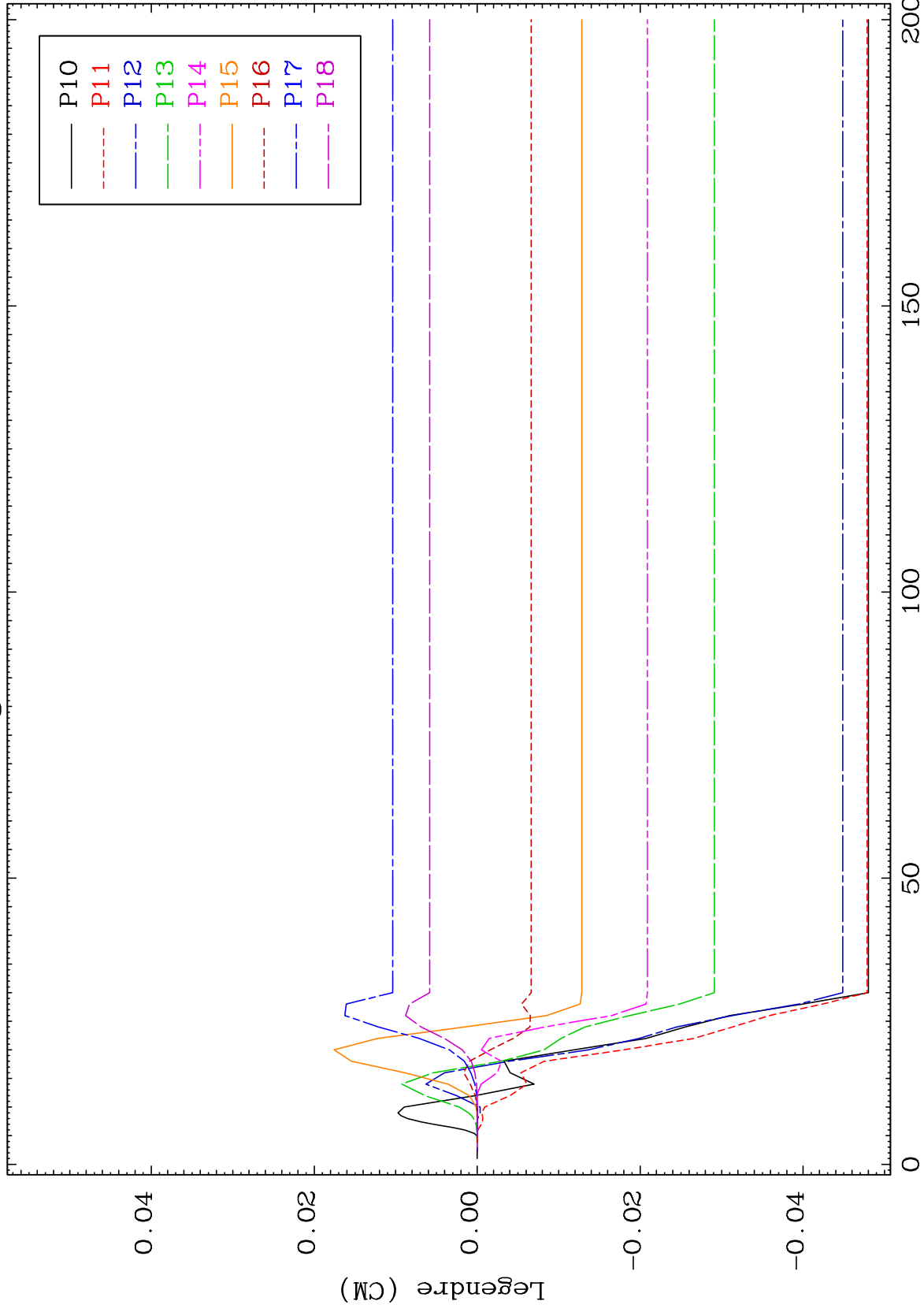
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143



58-Ce-143

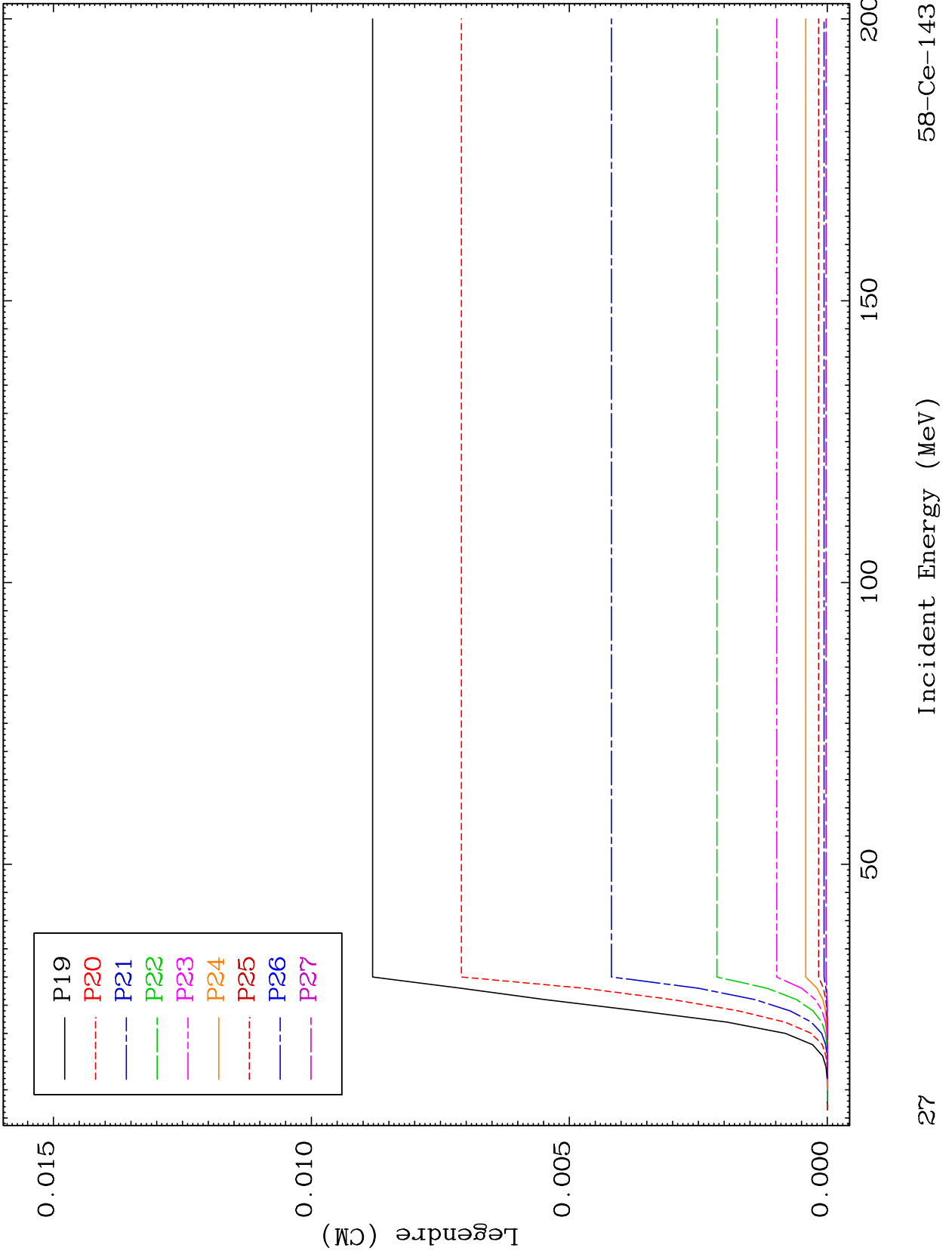
Incident Energy (MeV)

26

MAT 5846

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

58-Ce-143



27

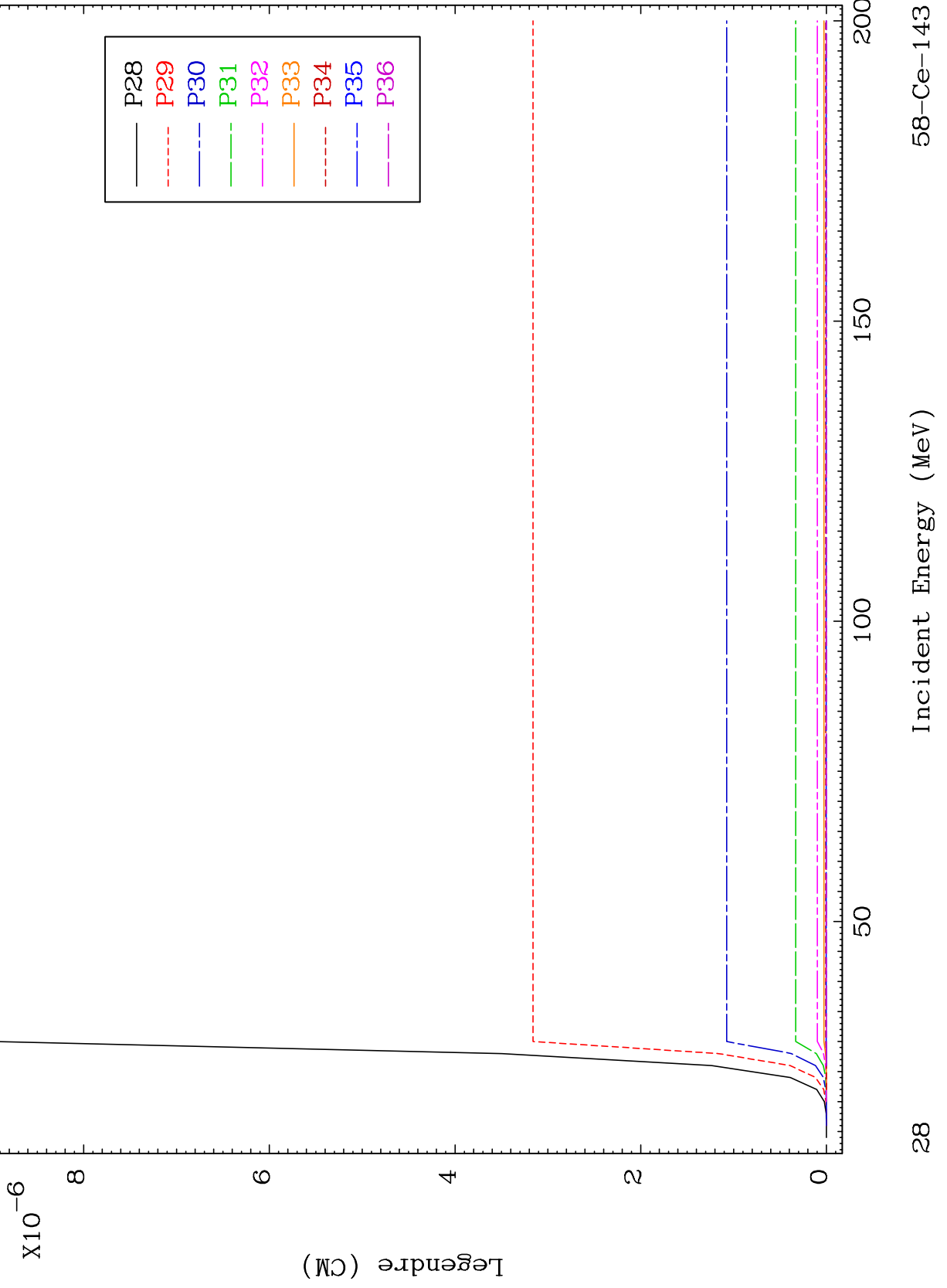
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143



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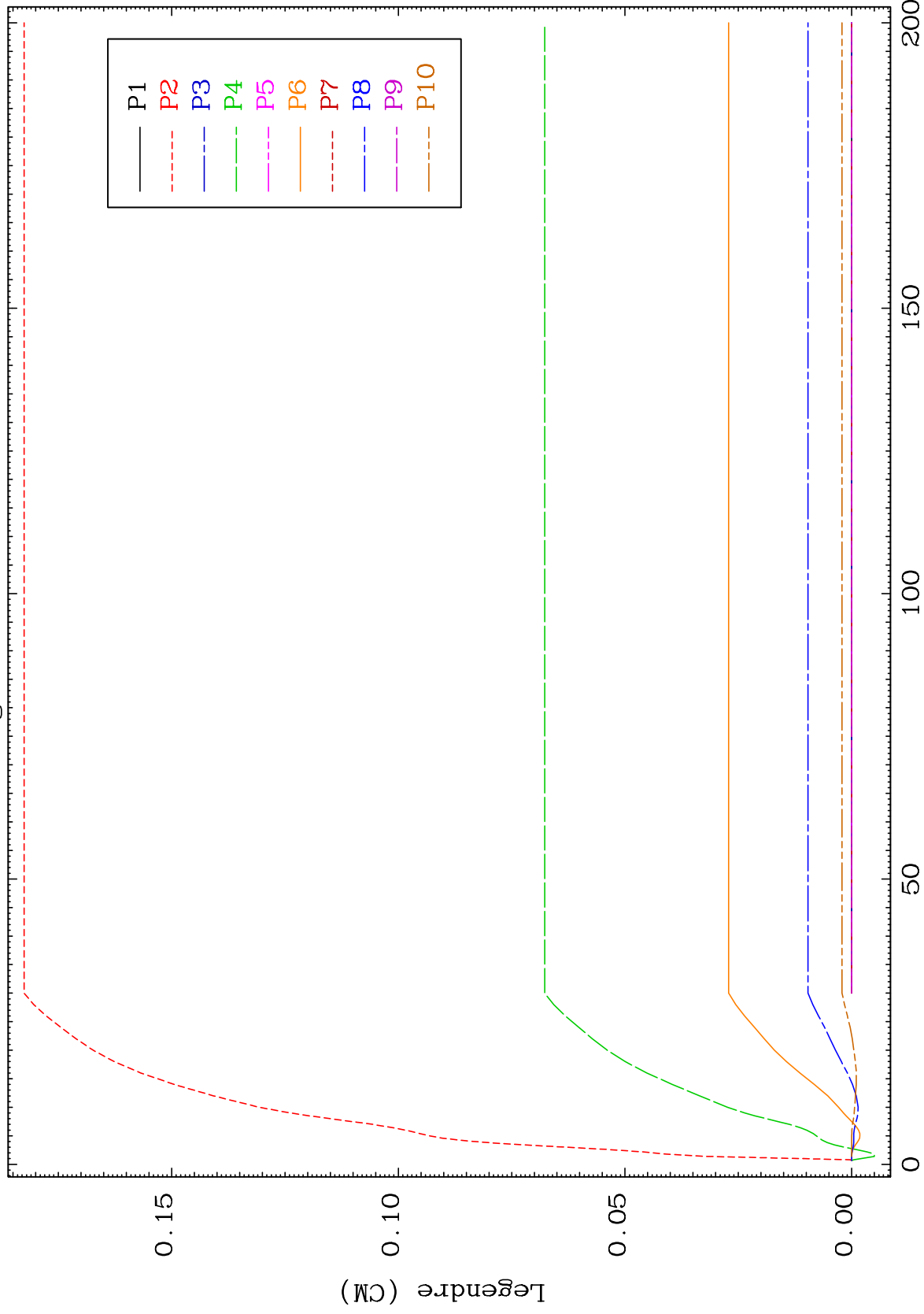
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143



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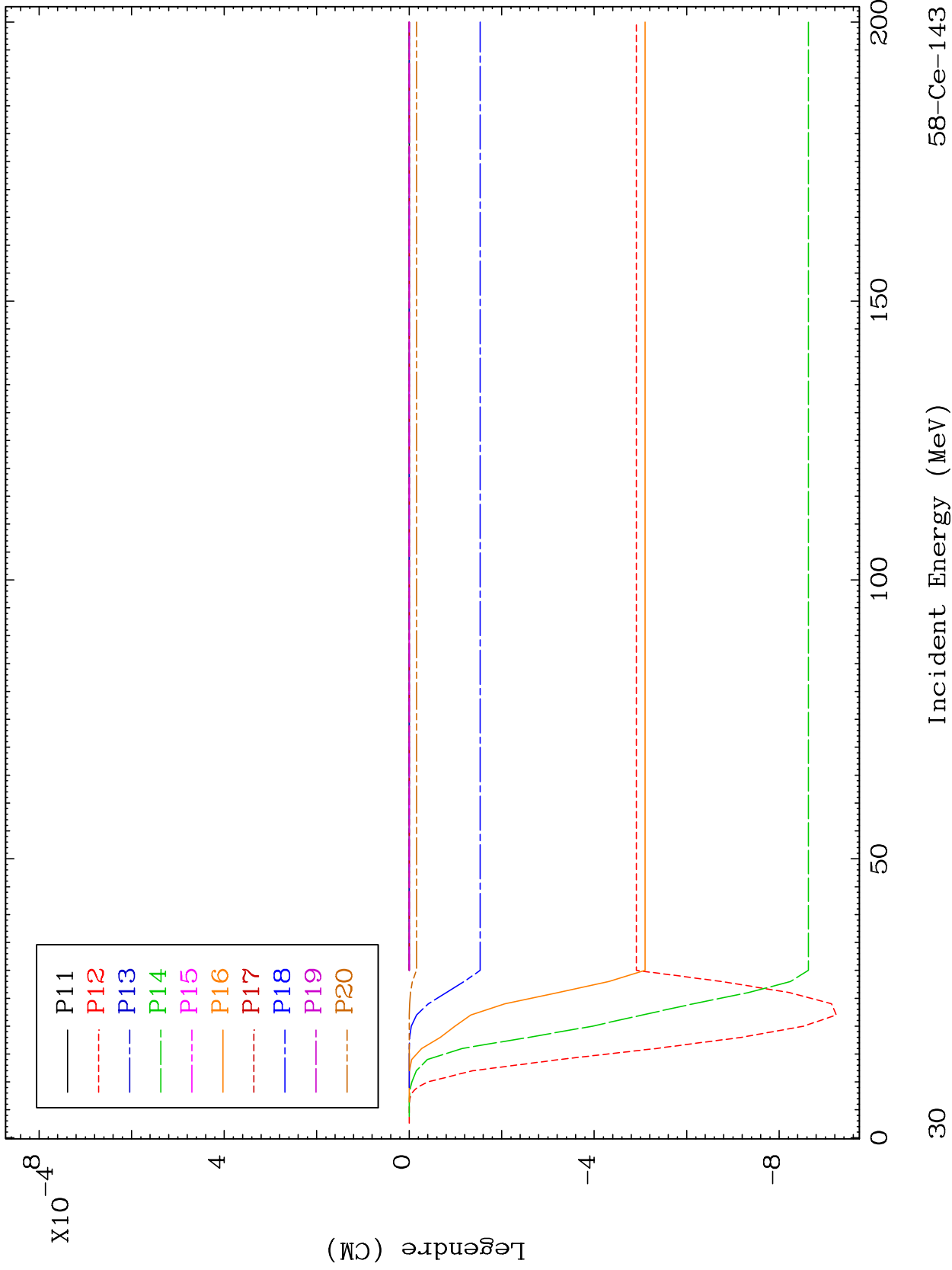
58-Ce-143

58-Ce-143

MAT 5846

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

58-Ce-143

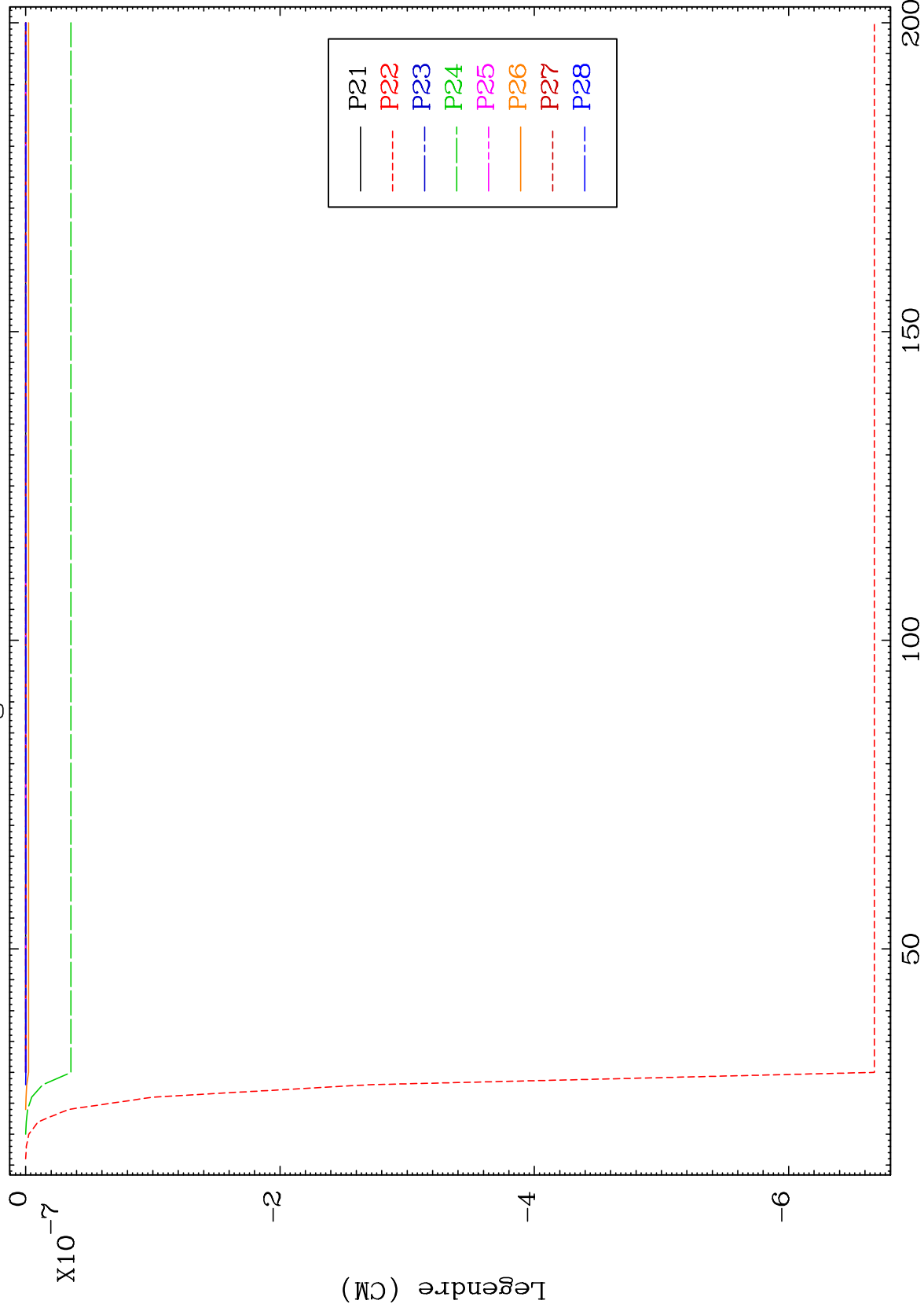


58-Ce-143

MAT 5846

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

58-Ce-143



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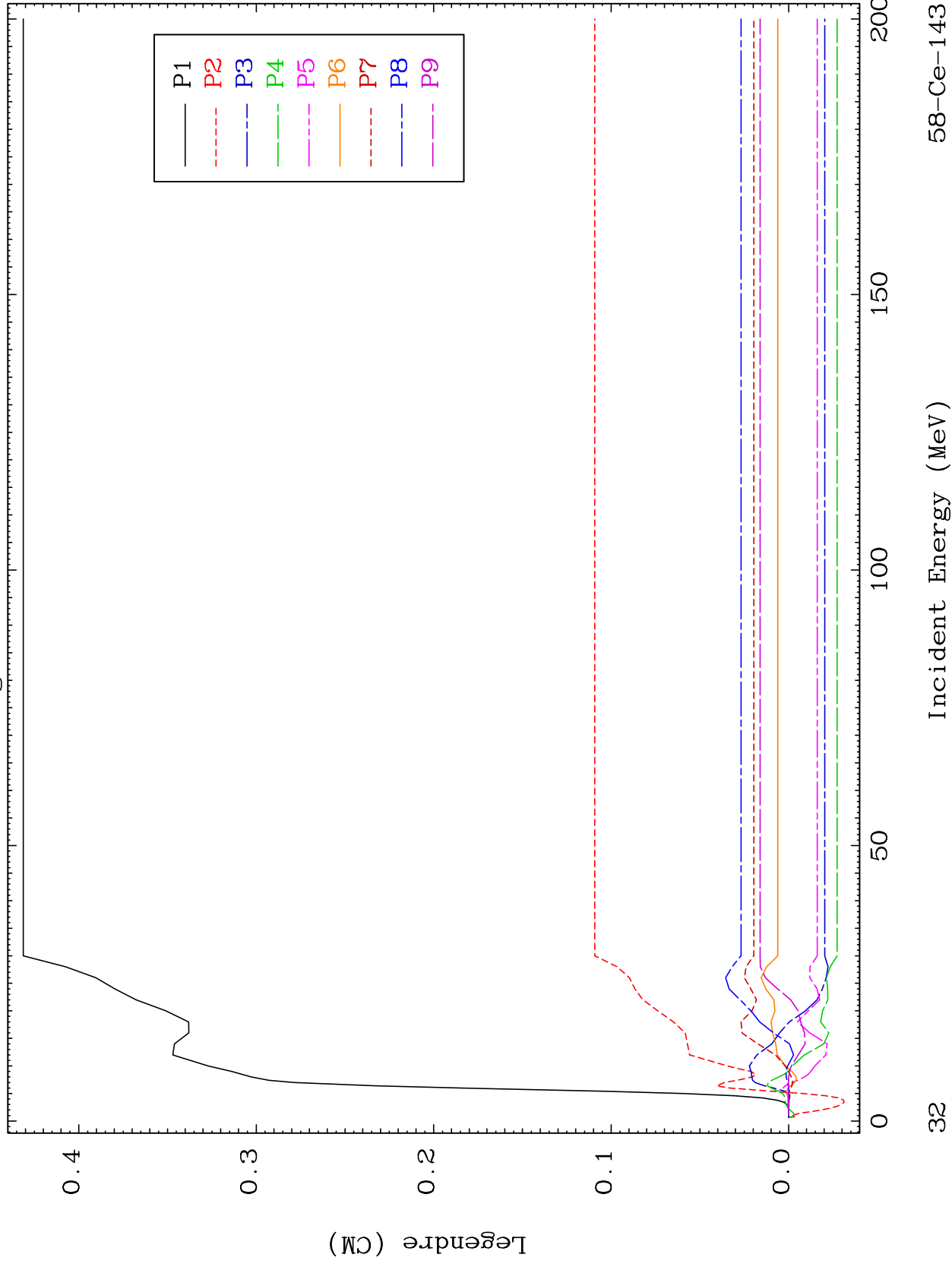
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143



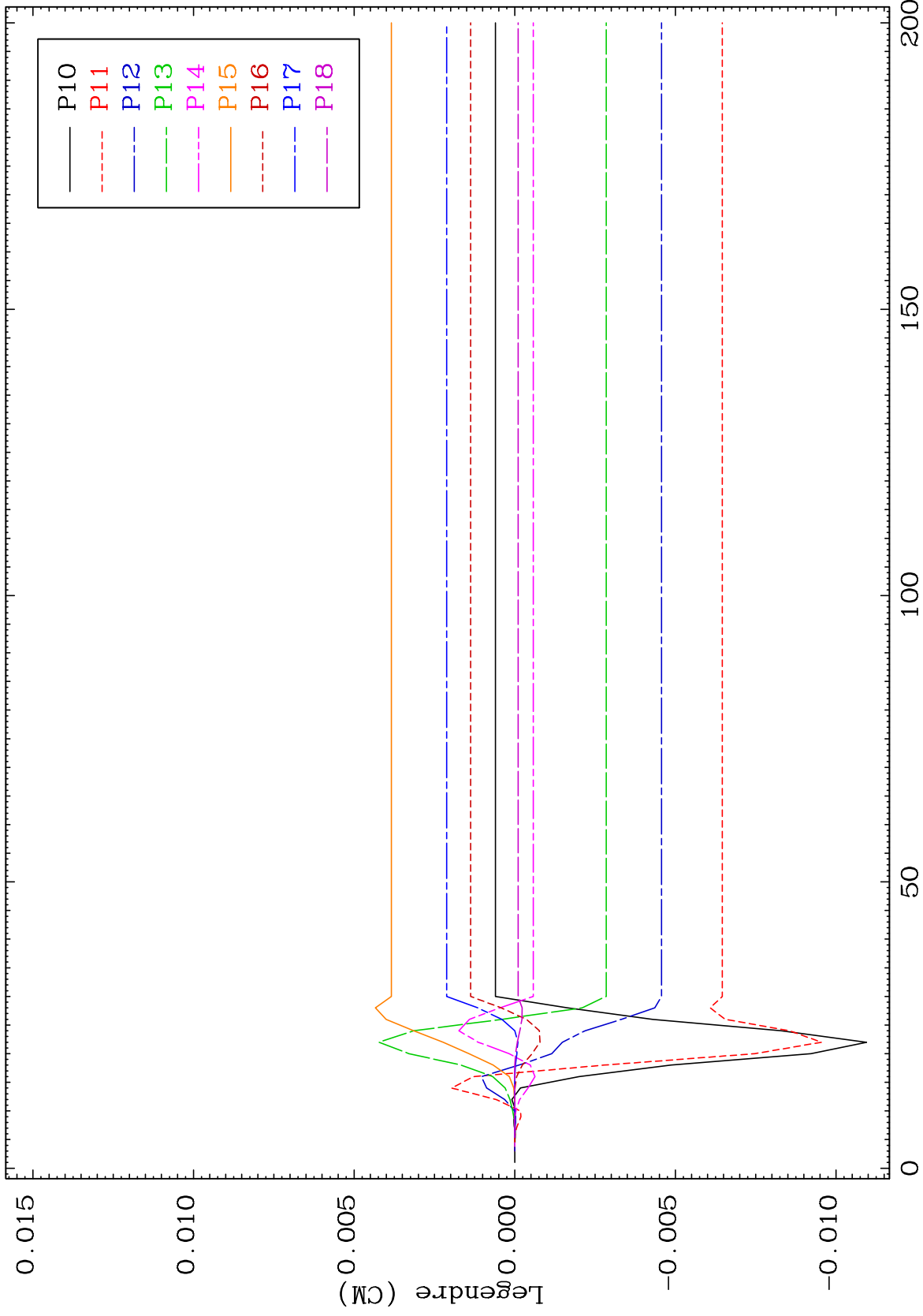
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MAT 5846

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

58-Ce-143



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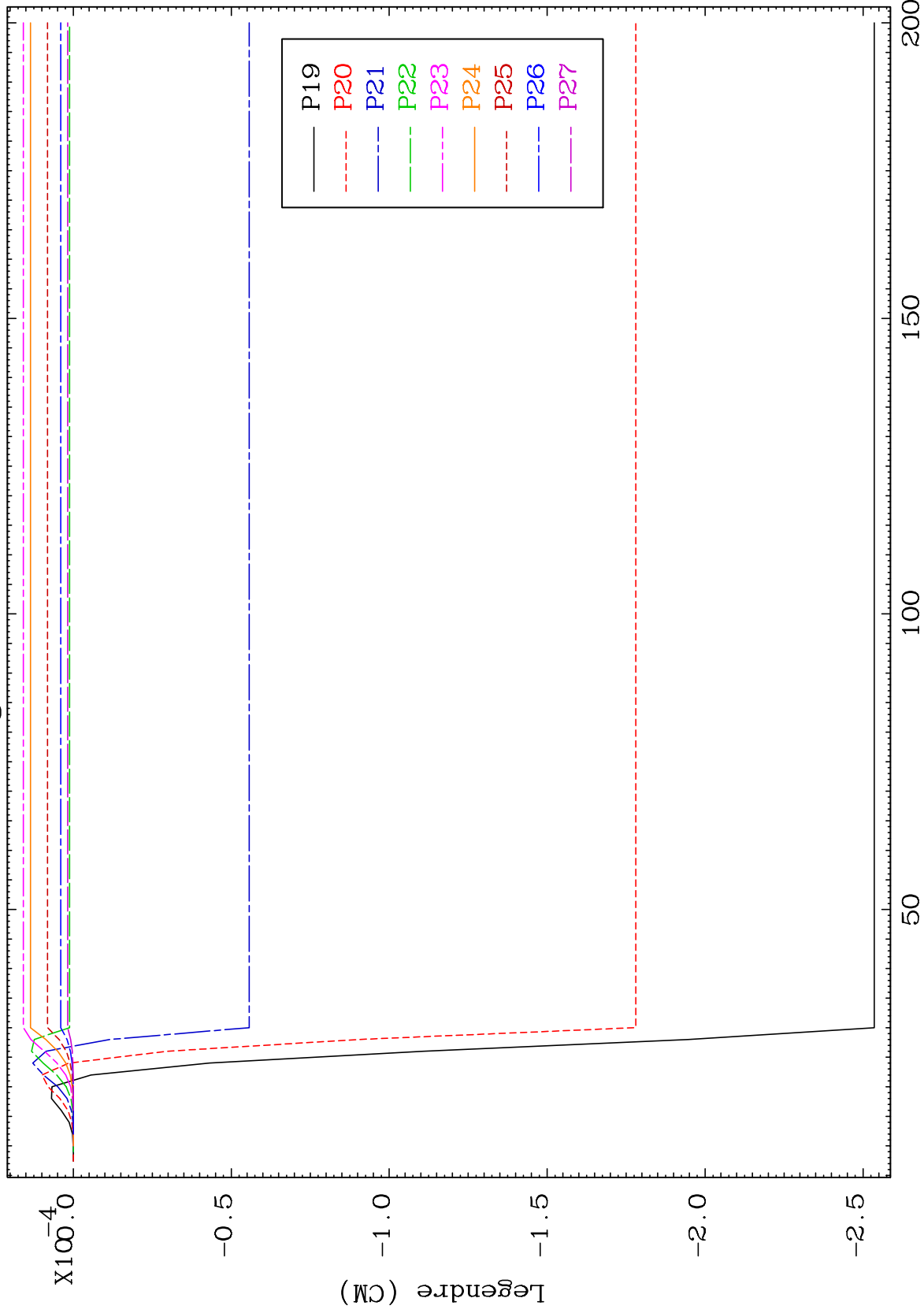
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143



34

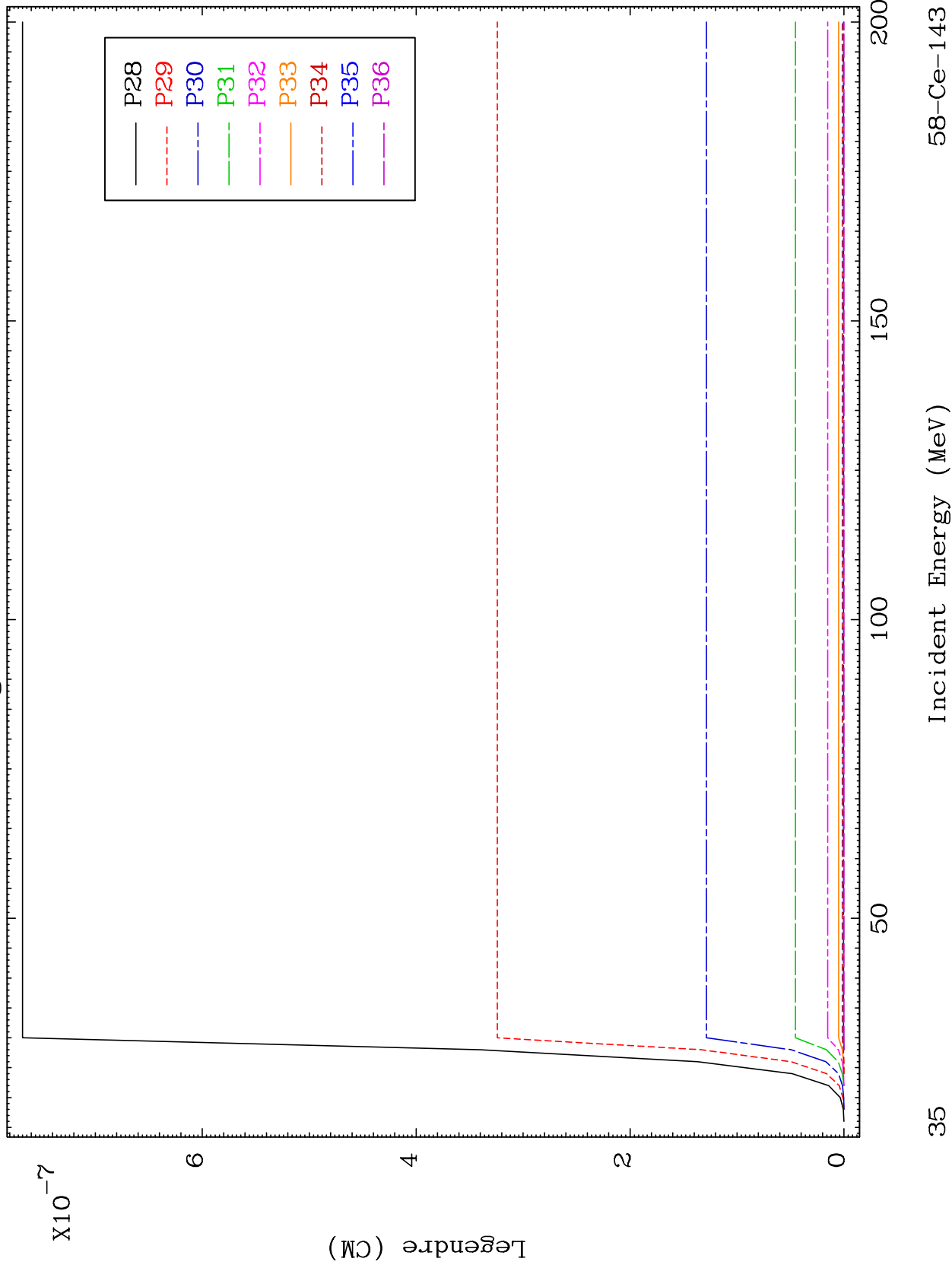
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143



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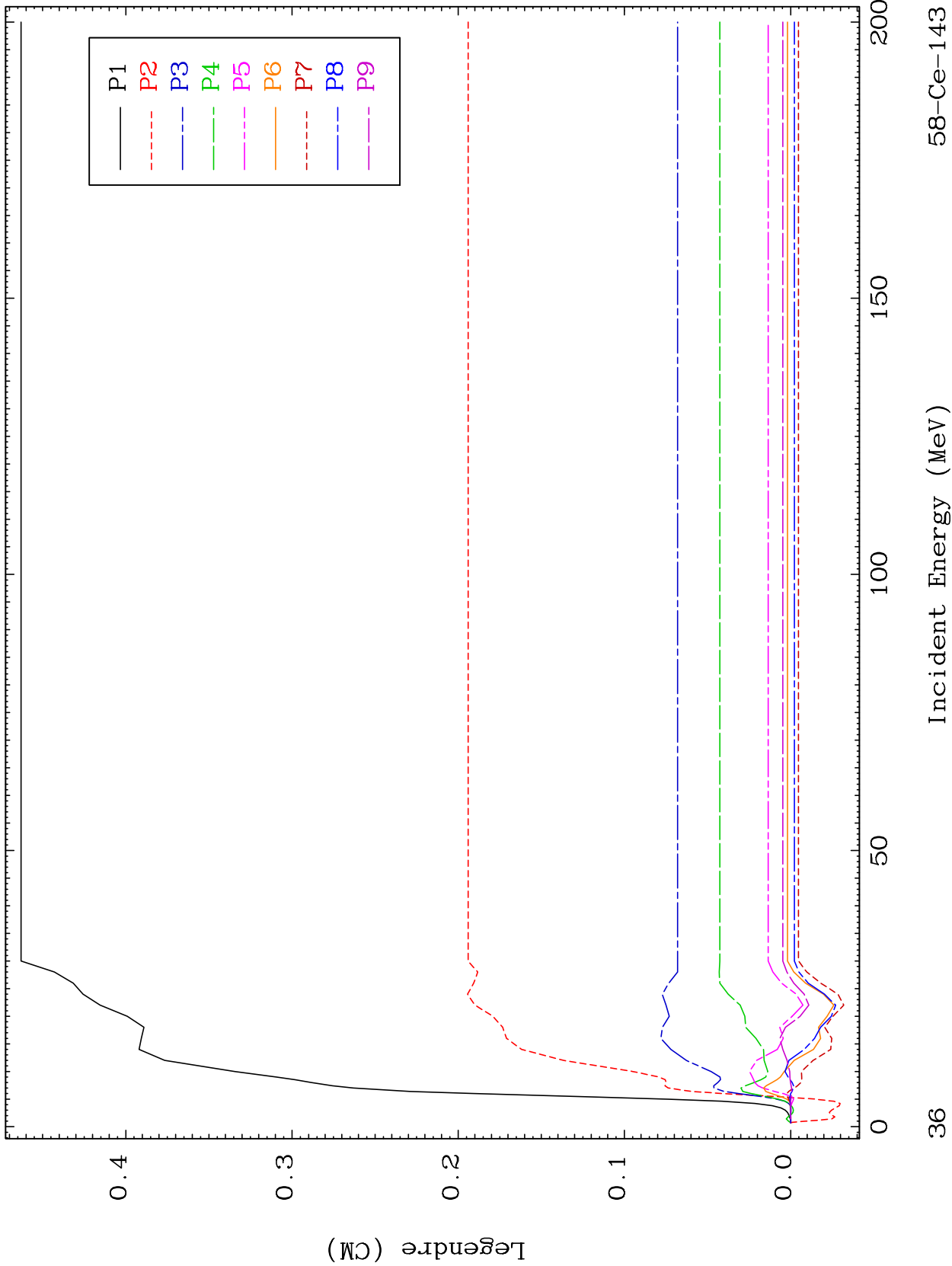
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143



58-Ce-143

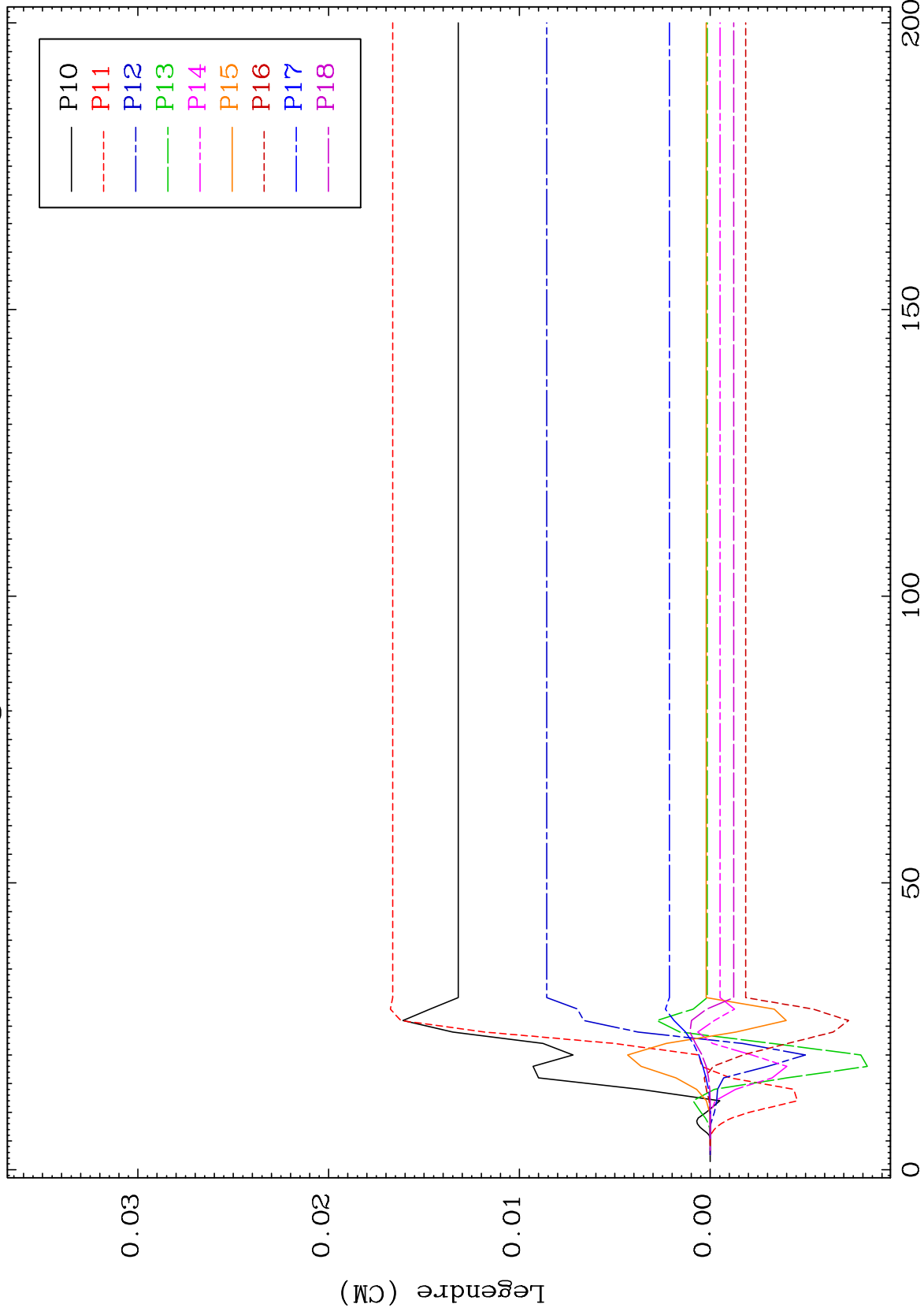
Incident Energy (MeV)

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MAT 5846

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

58-Ce-143



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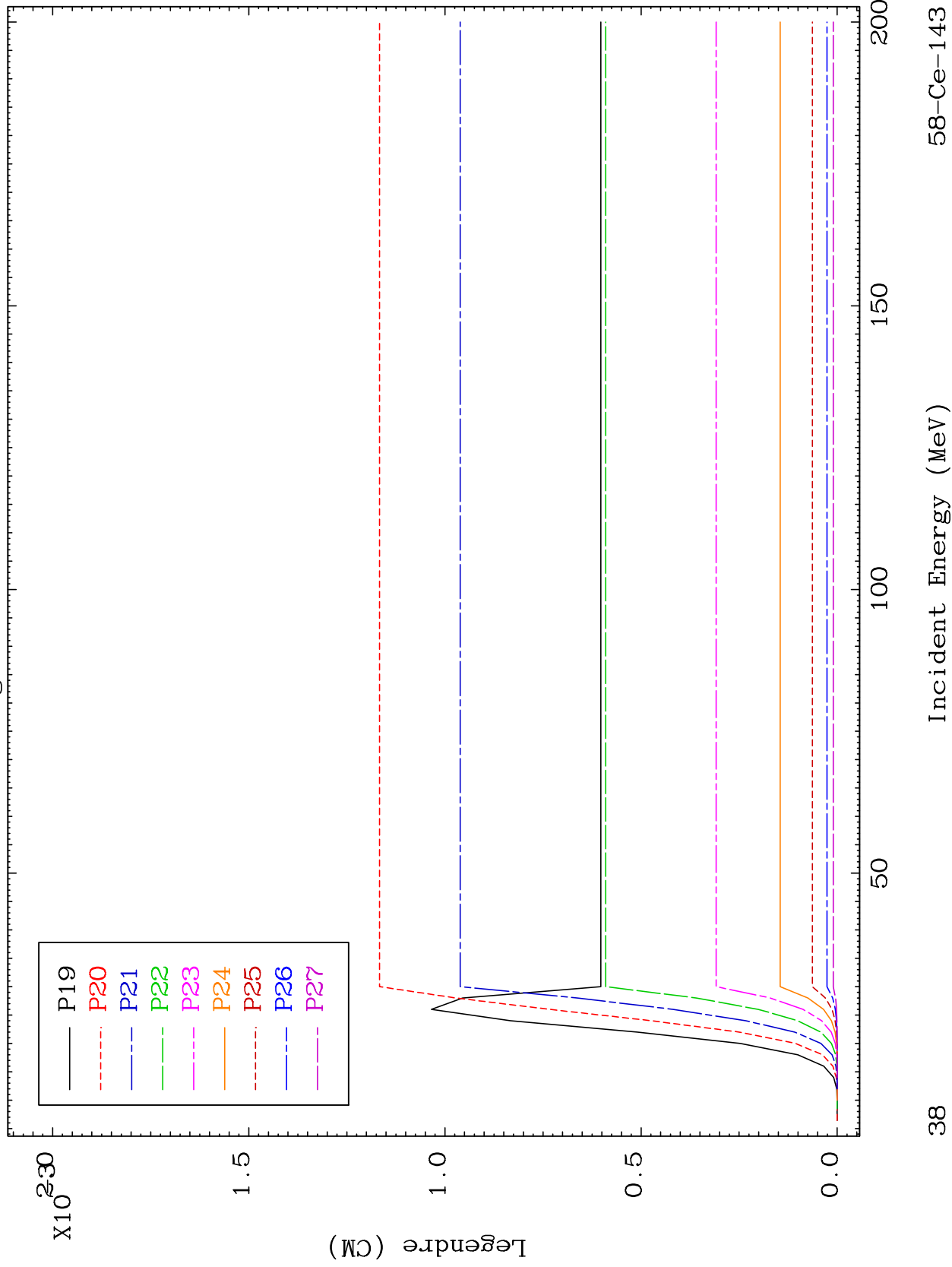
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

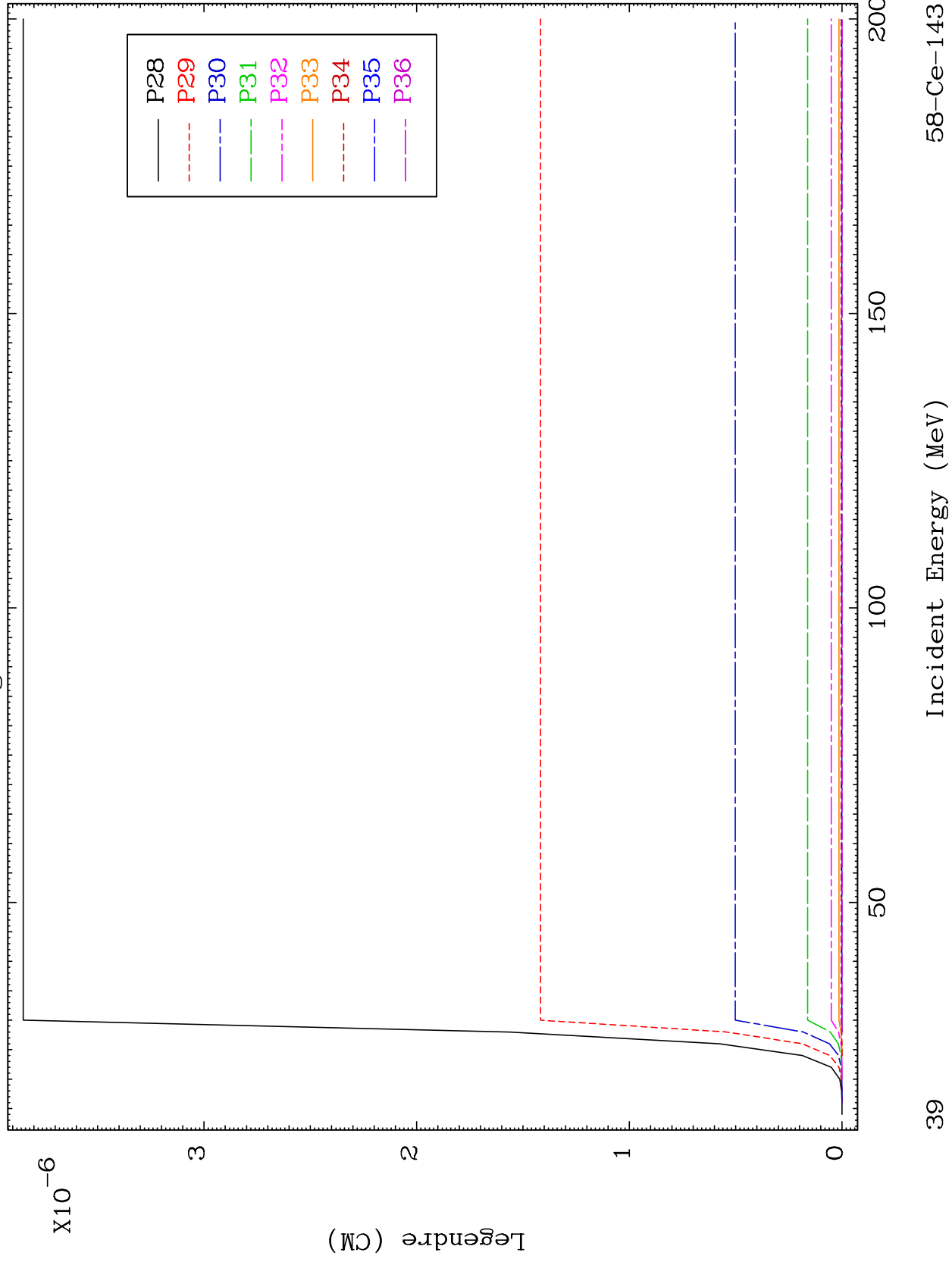
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MAT 5846

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

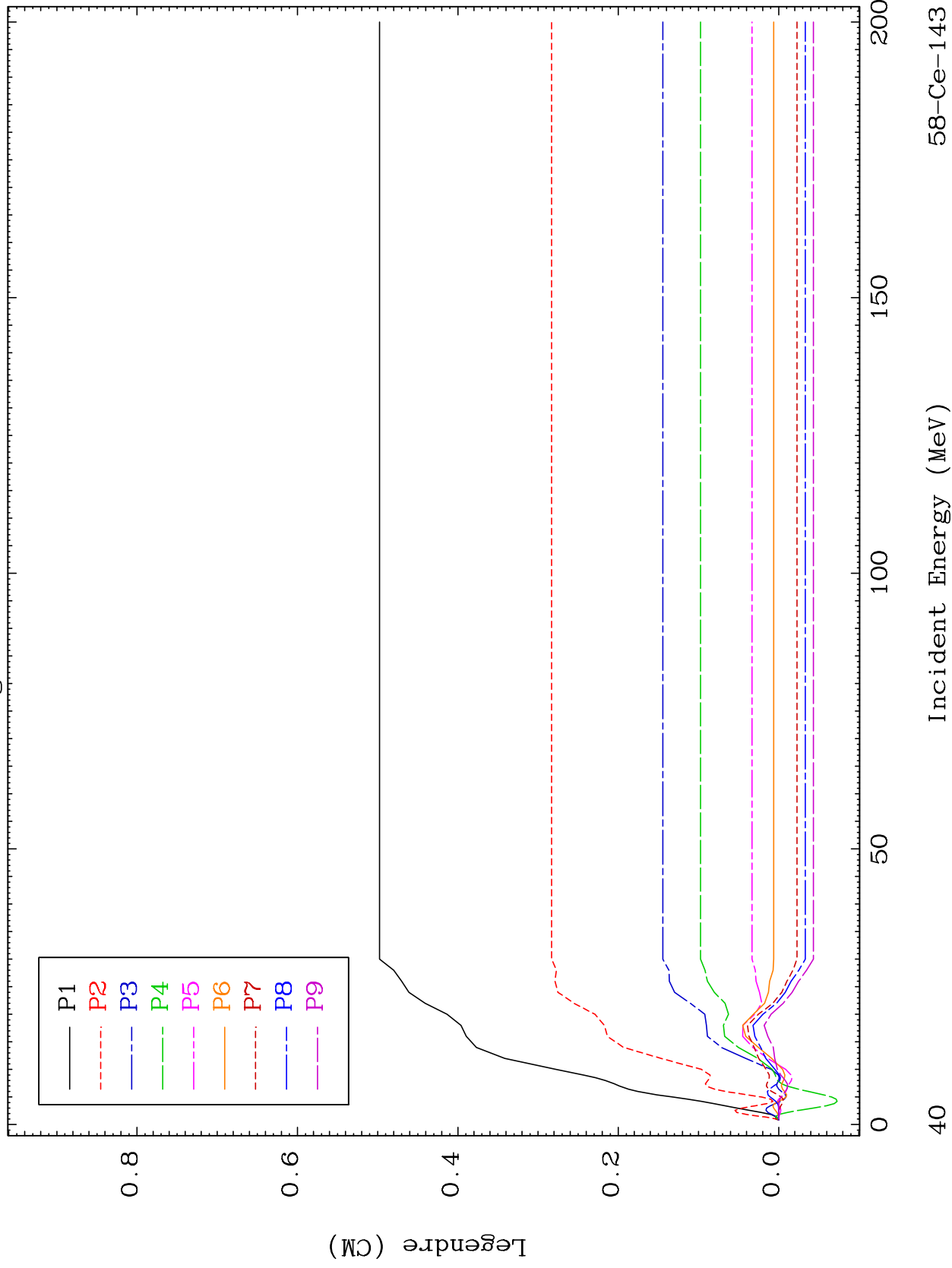
58-Ce-143



MAT 5846

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

58-Ce-143



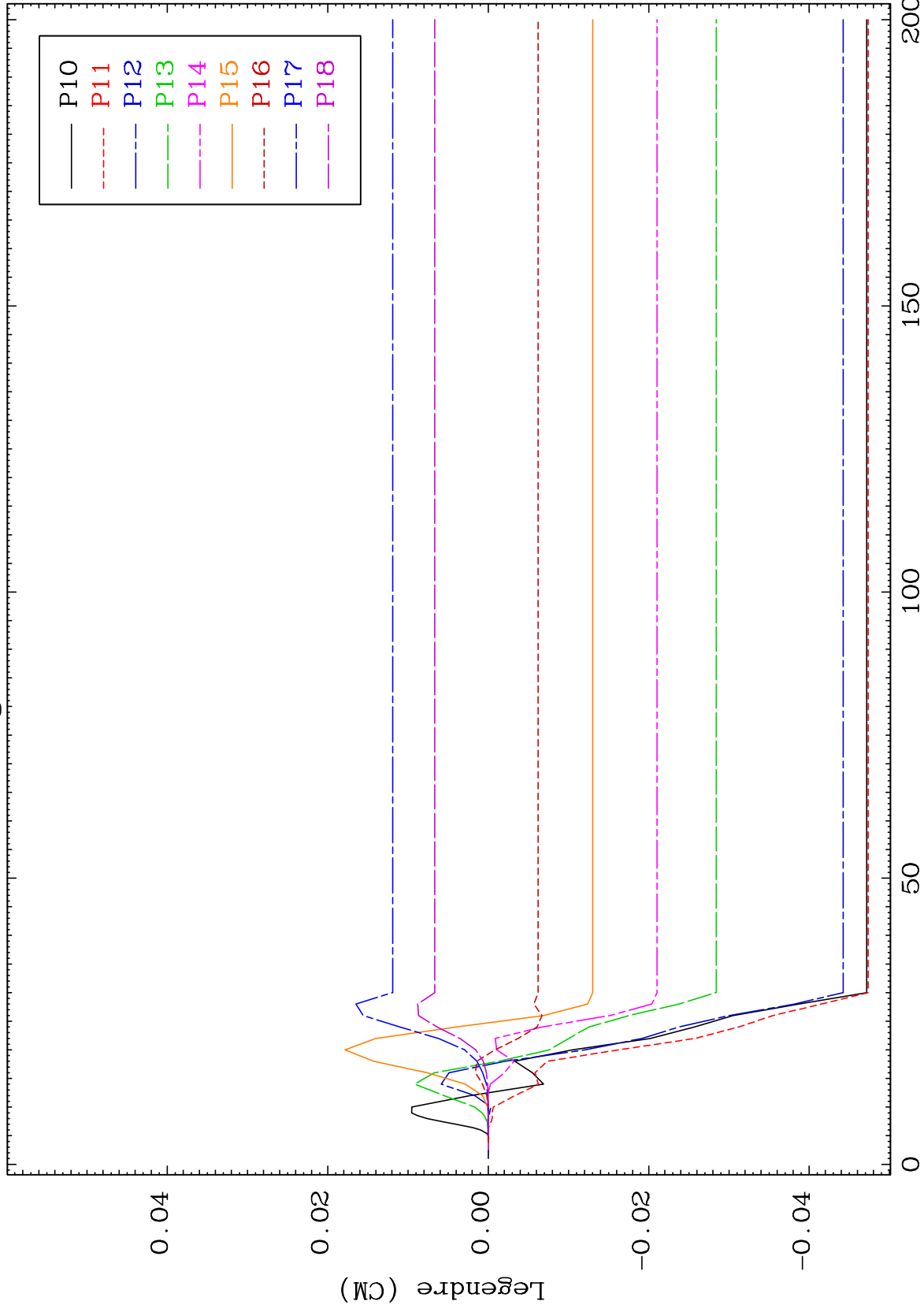
58-Ce-143

Incident Energy (MeV)

MAT 5846

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

58-Ce-143



41

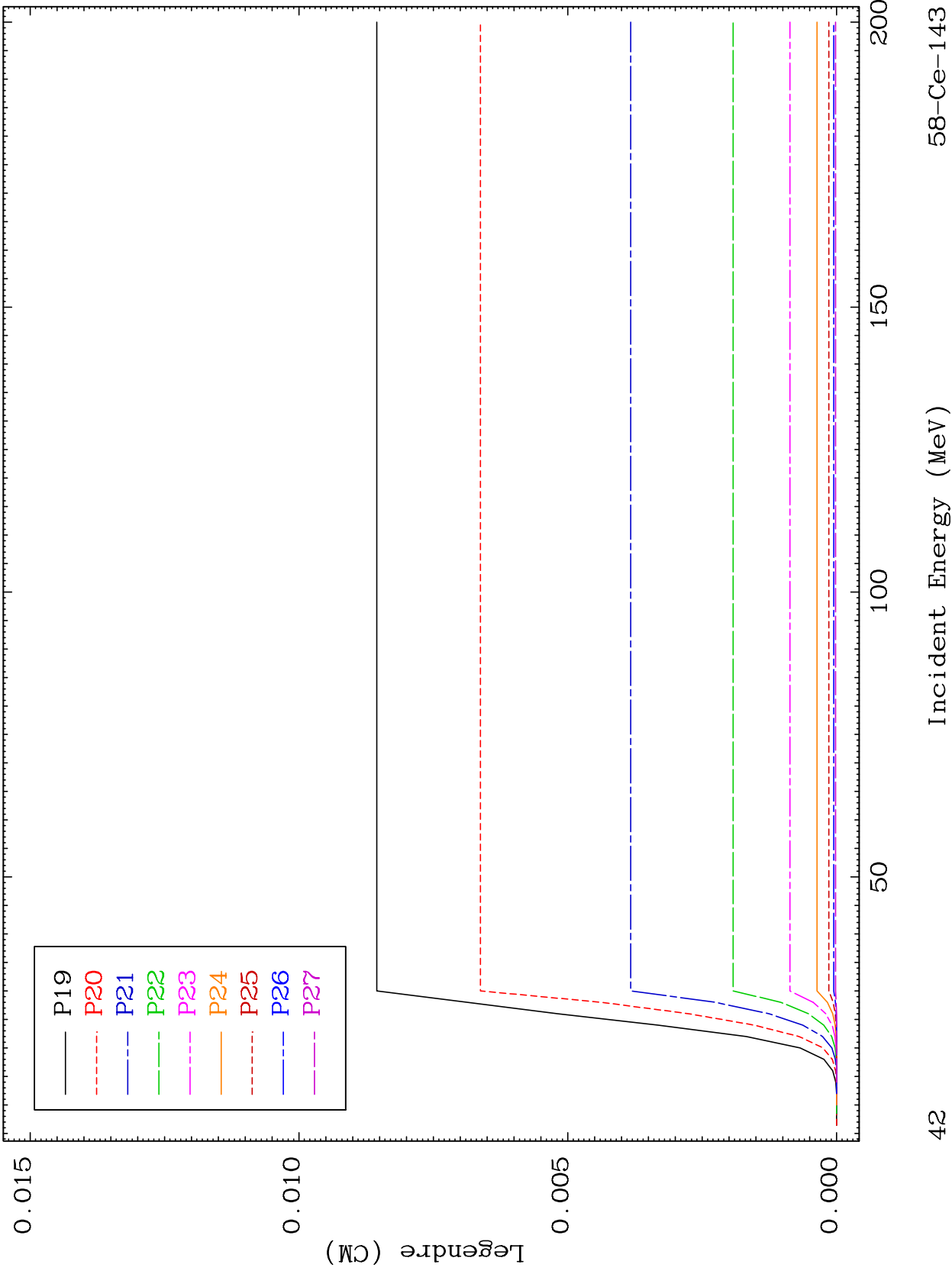
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143



42

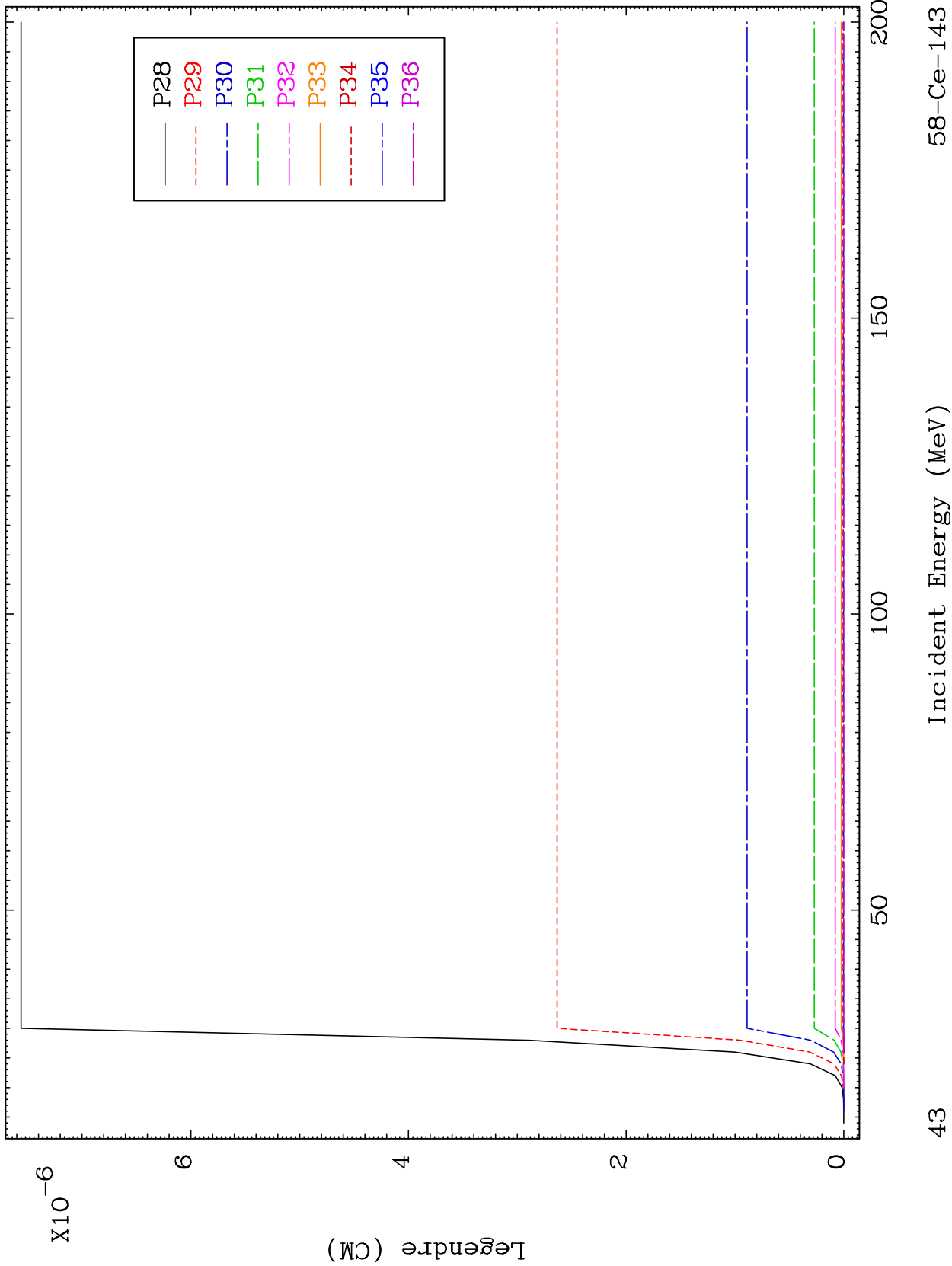
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143



43

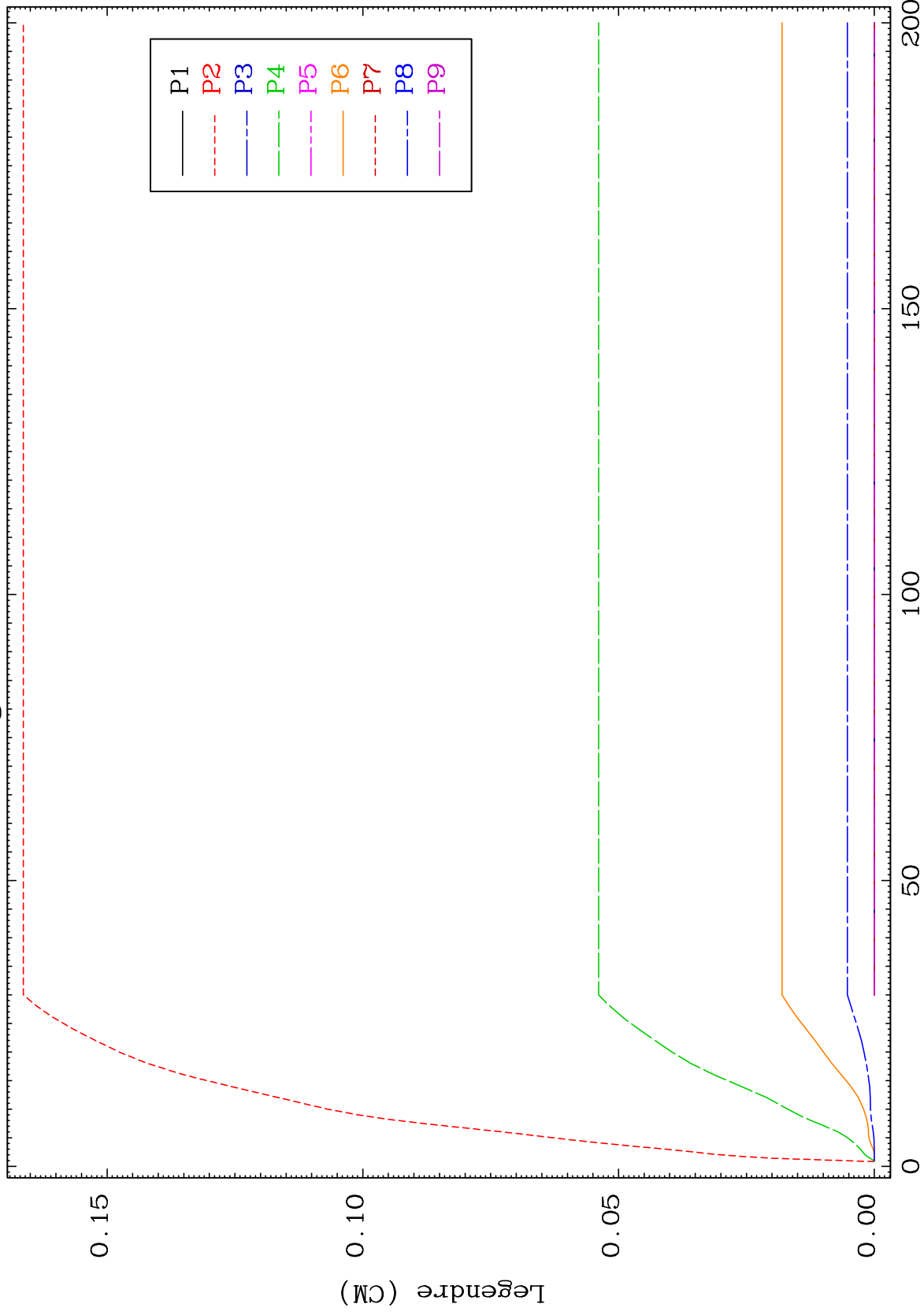
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143



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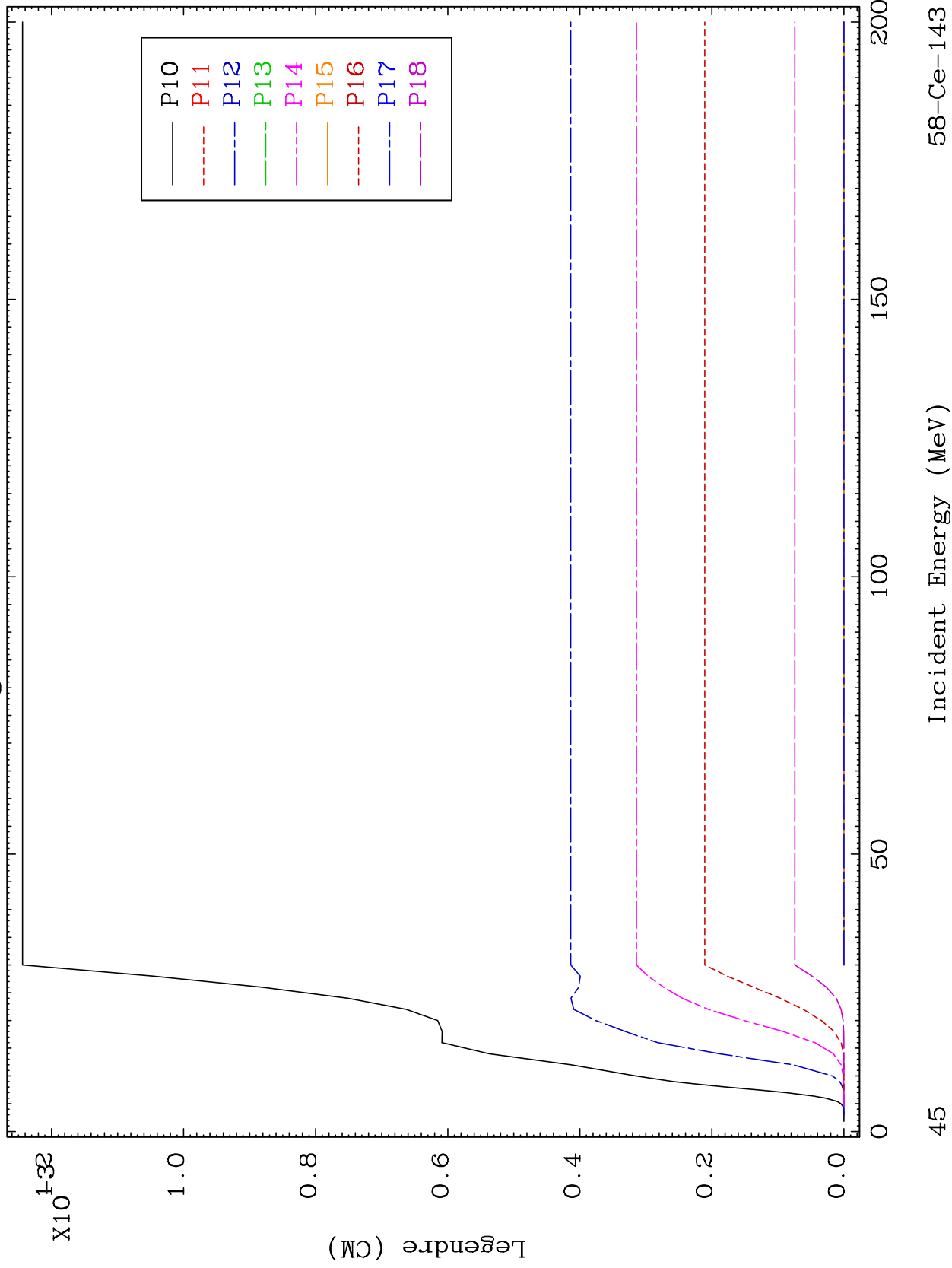
Incident Energy (MeV)

58-Ce-143

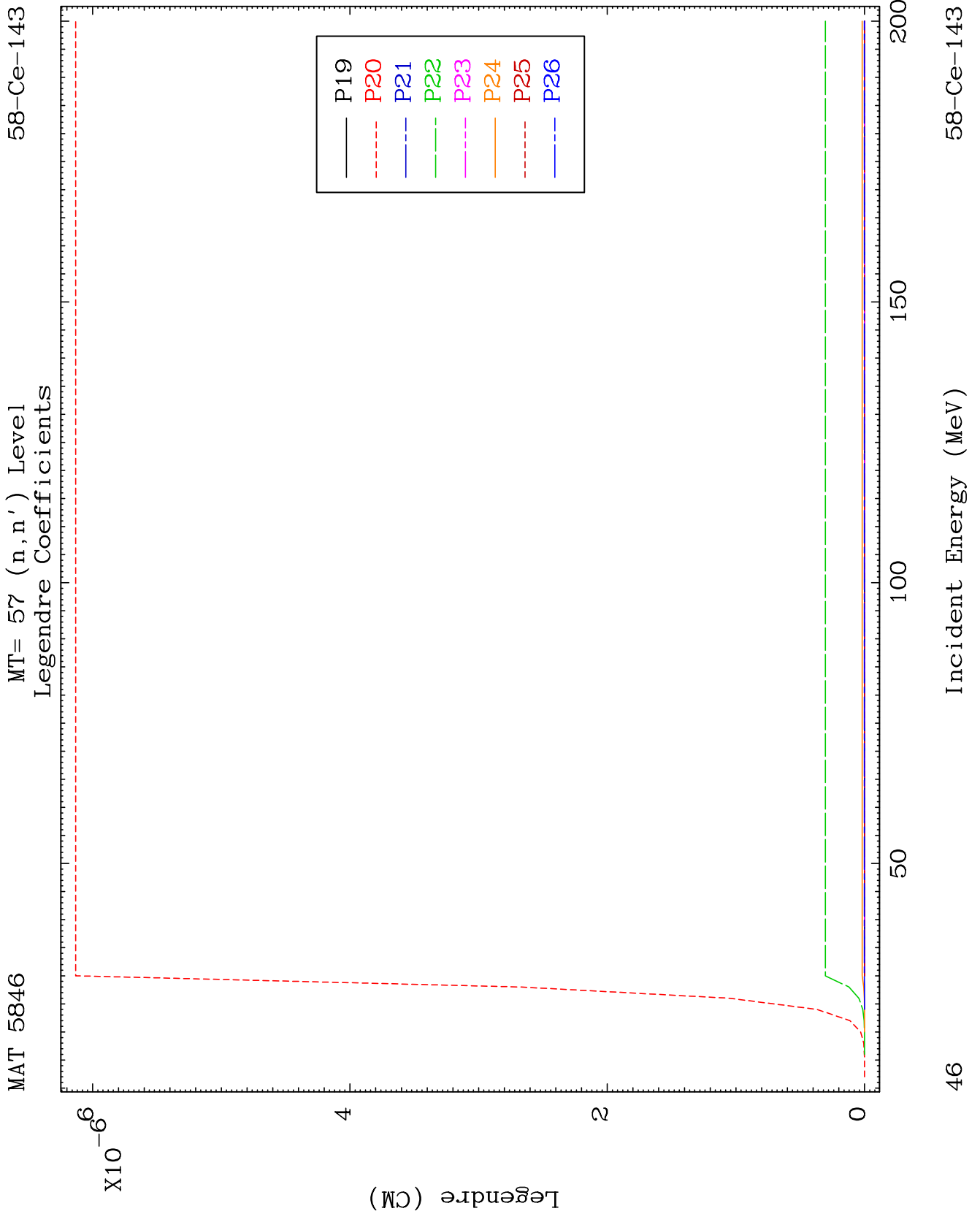
MAT 5846

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

58-Ce-143



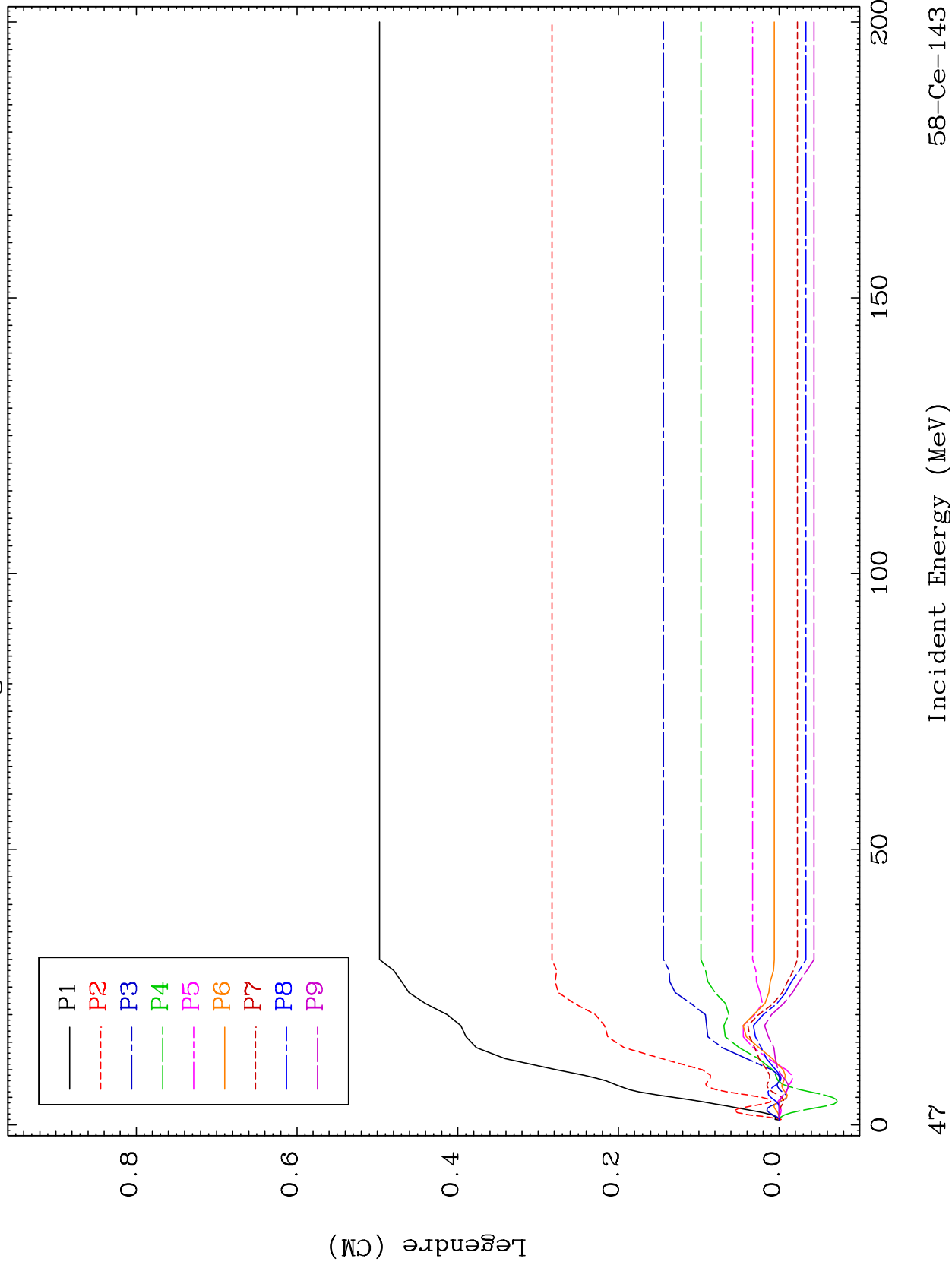
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MAT 5846

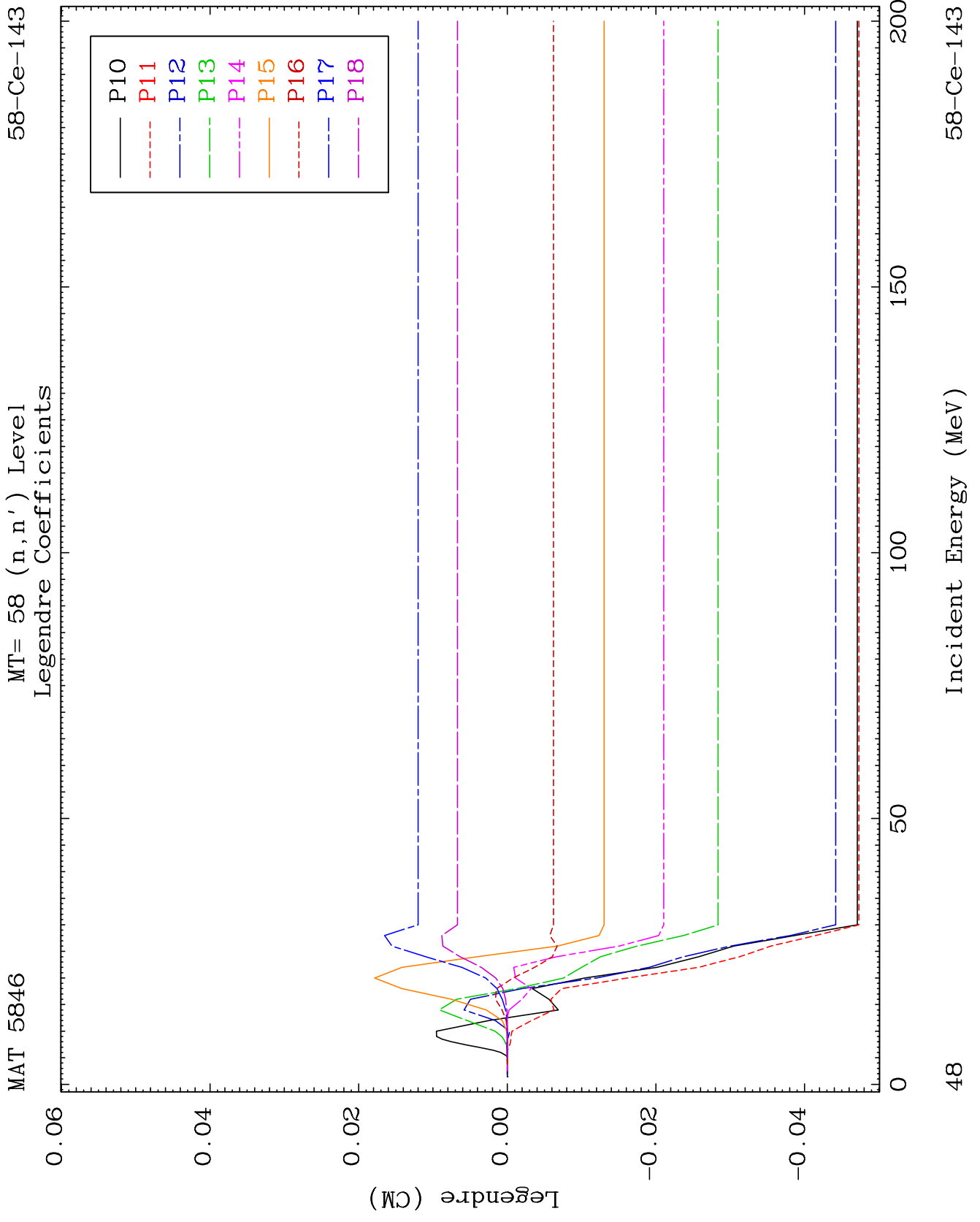
MT= 58 (n,n') Level
Legendre Coefficients

58-Ce-143



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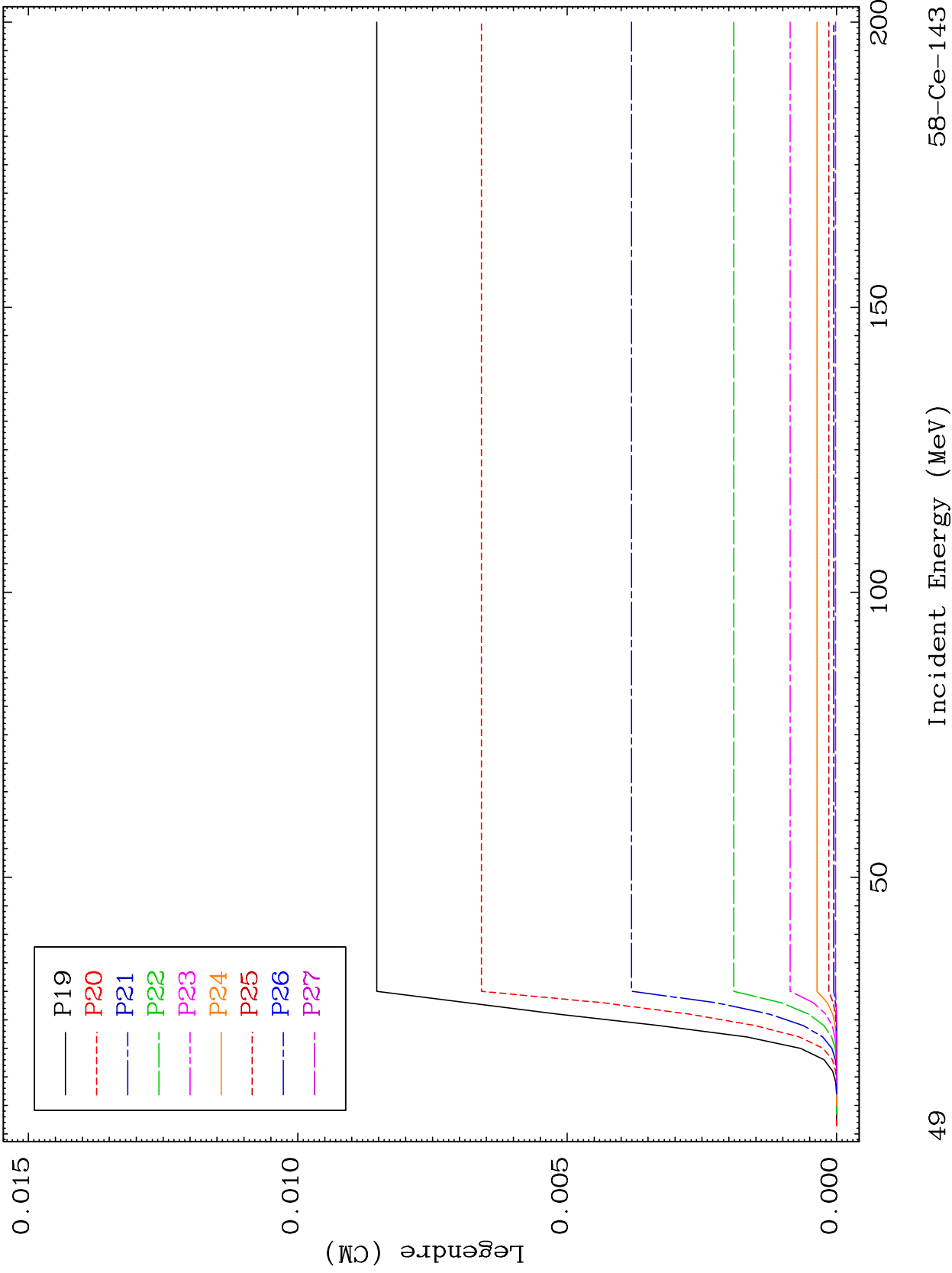
58-Ce-143



MAT 5846

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

58-Ce-143



49

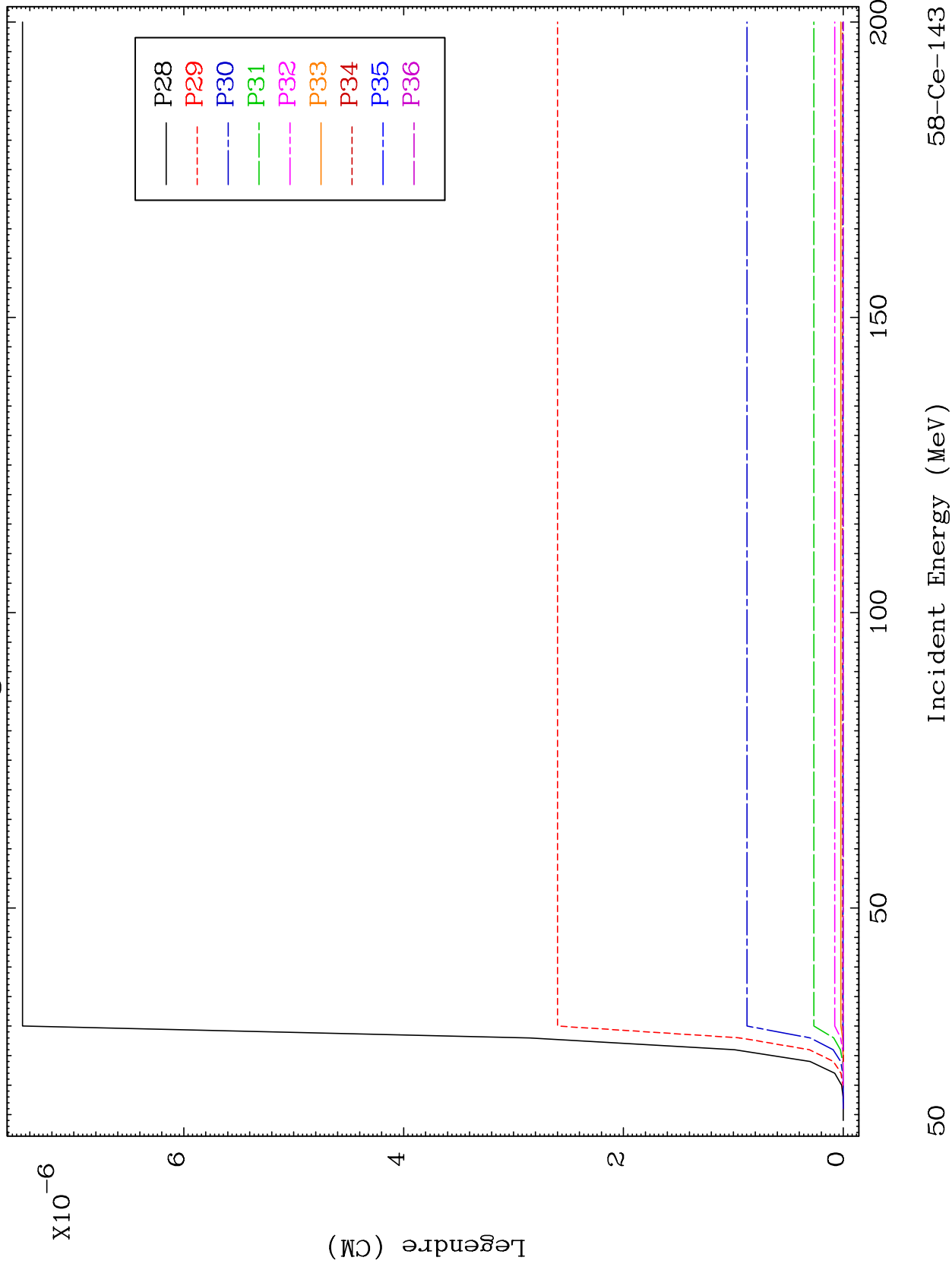
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

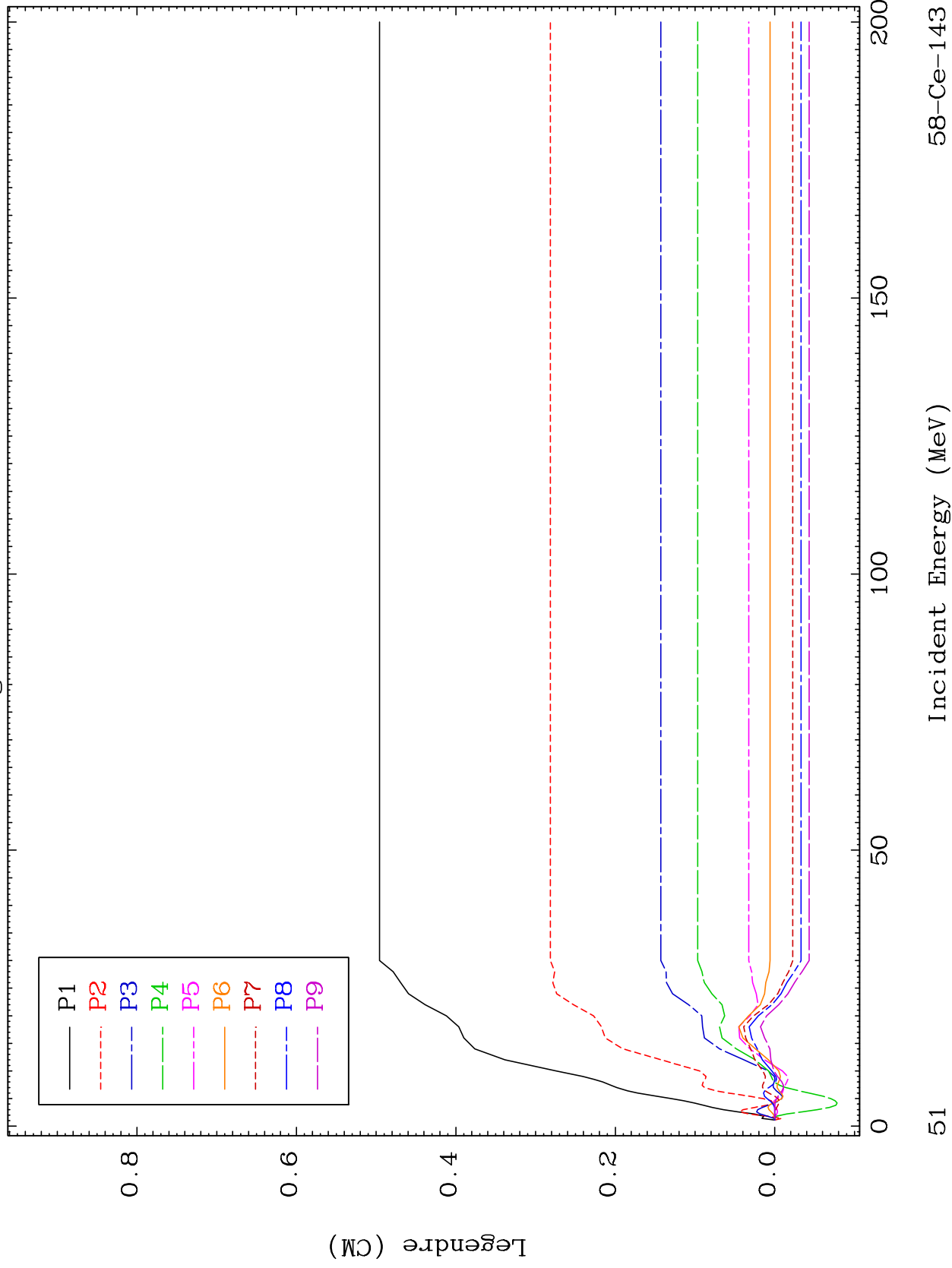
58-Ce-143



MAT 5846

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

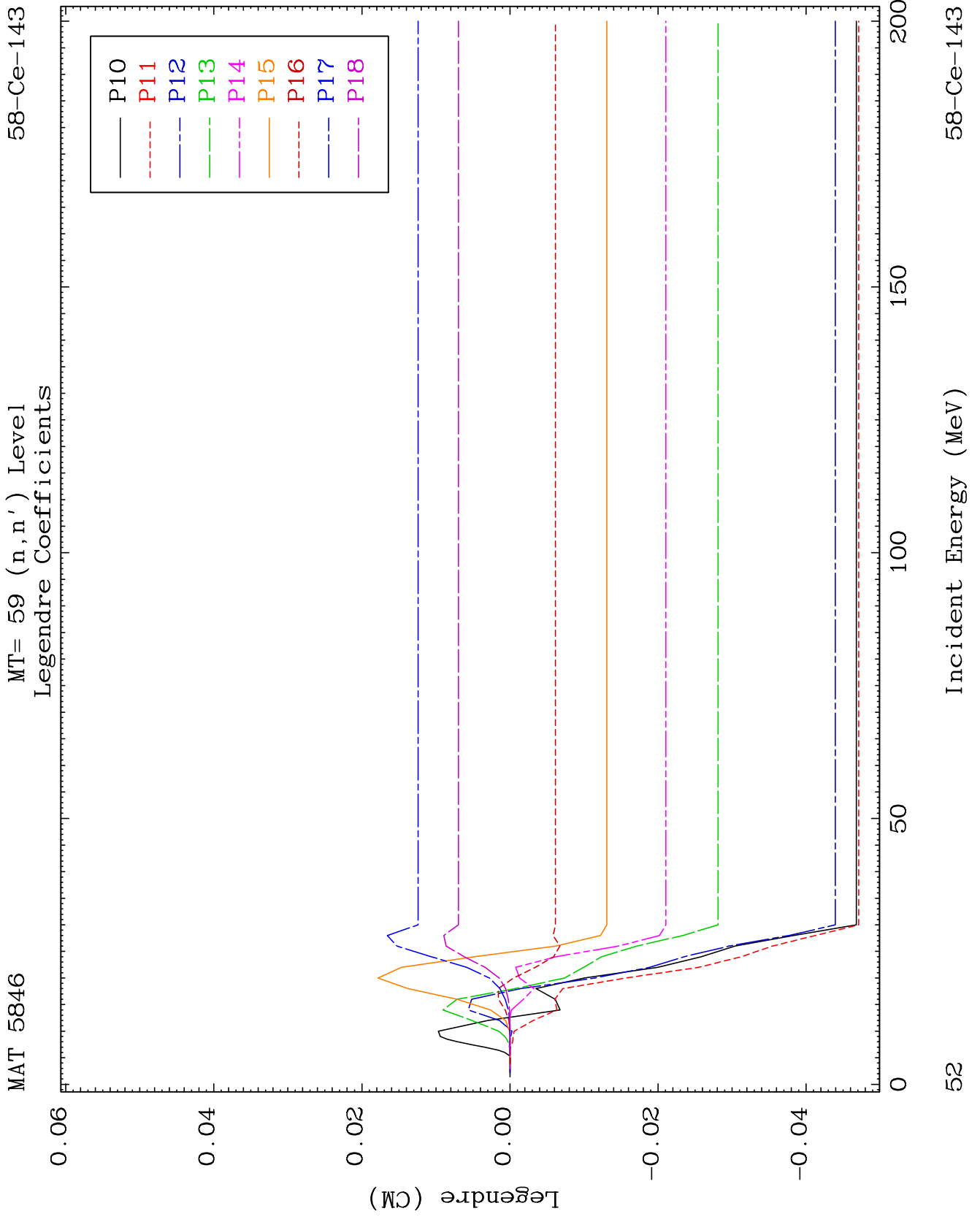
58-Ce-143



58-Ce-143

Incident Energy (MeV)

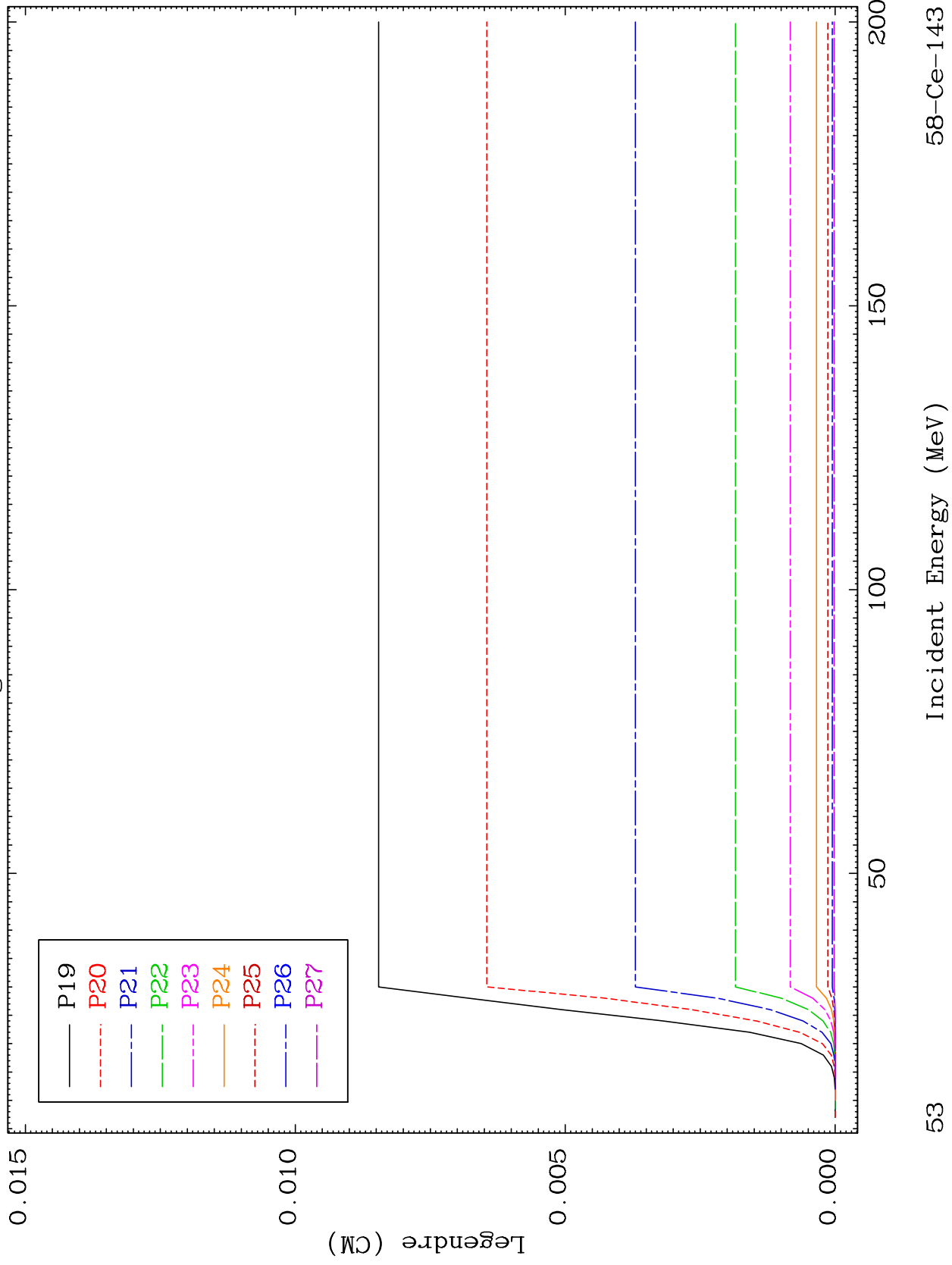
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MAT 5846

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

58-Ce-143



53

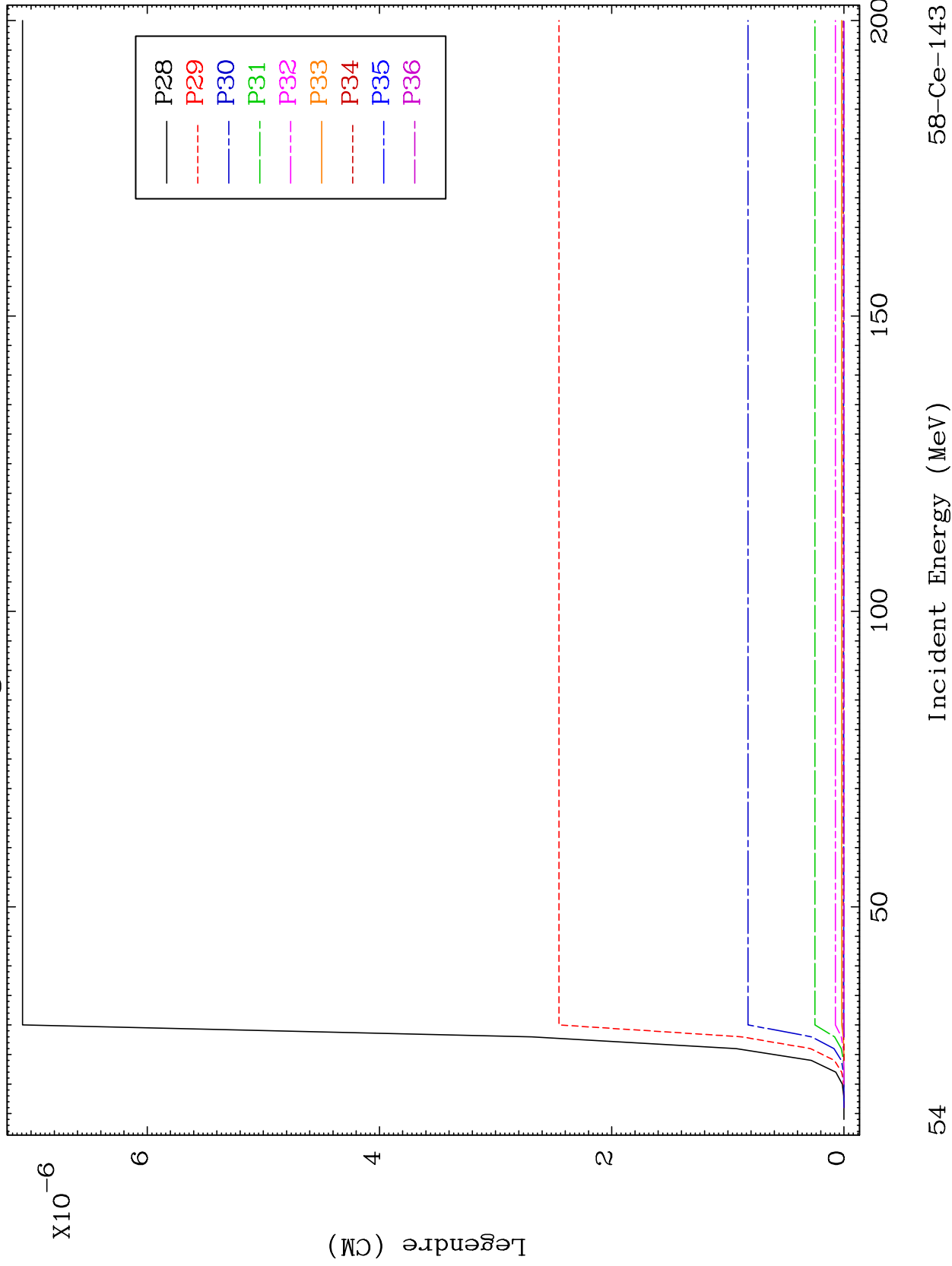
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143



54

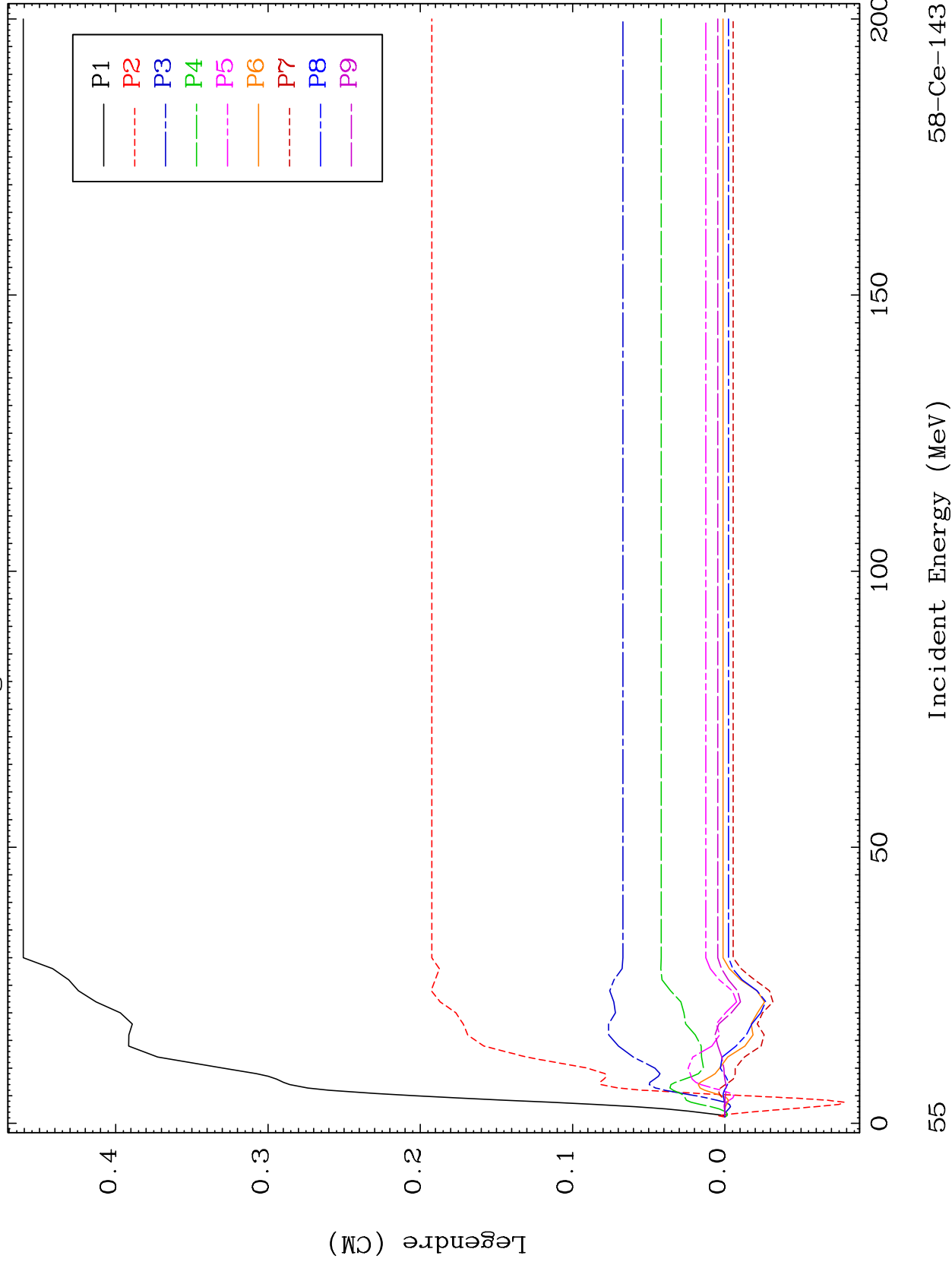
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

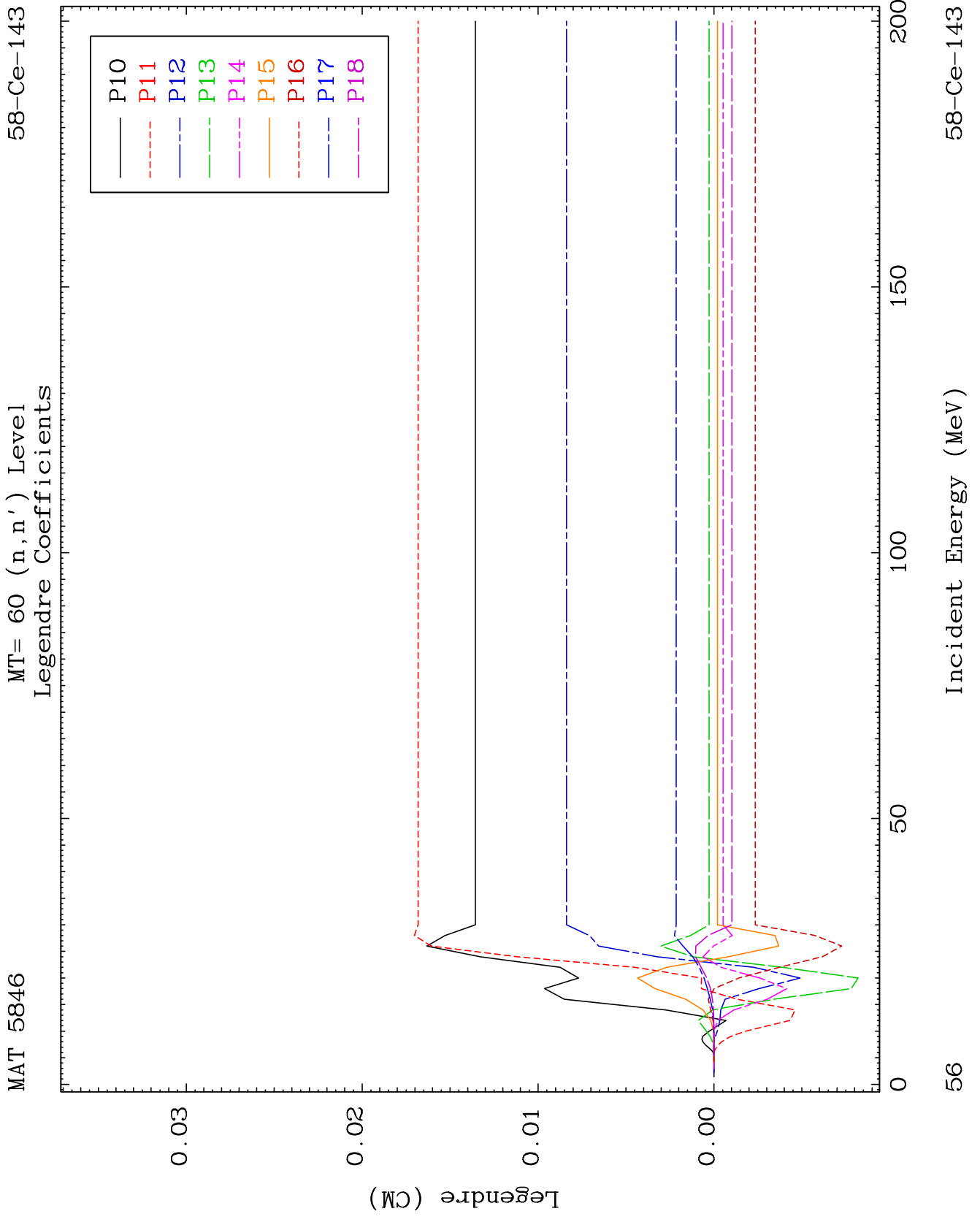
58-Ce-143



58-Ce-143

Incident Energy (MeV)

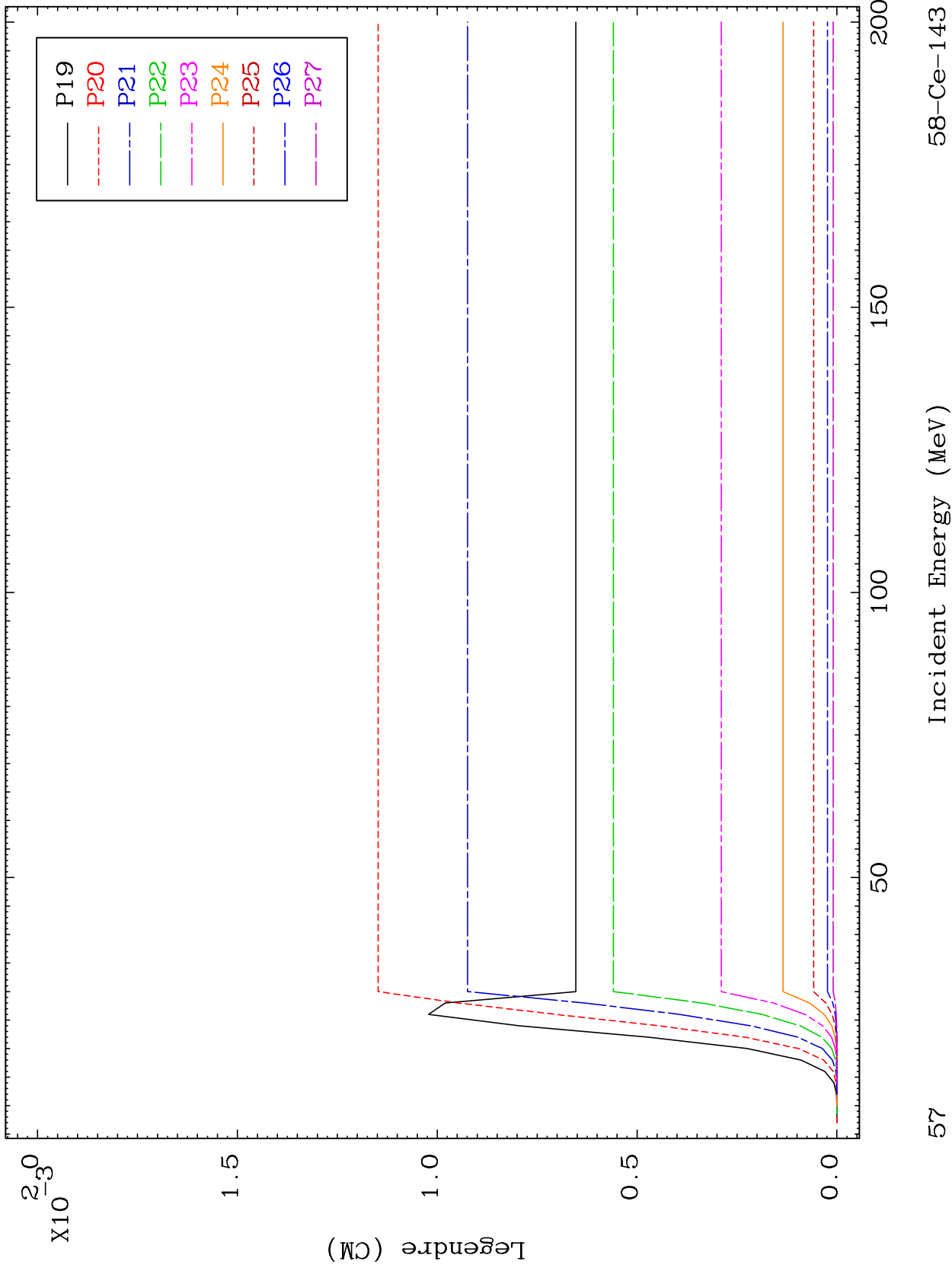
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MAT 5846

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

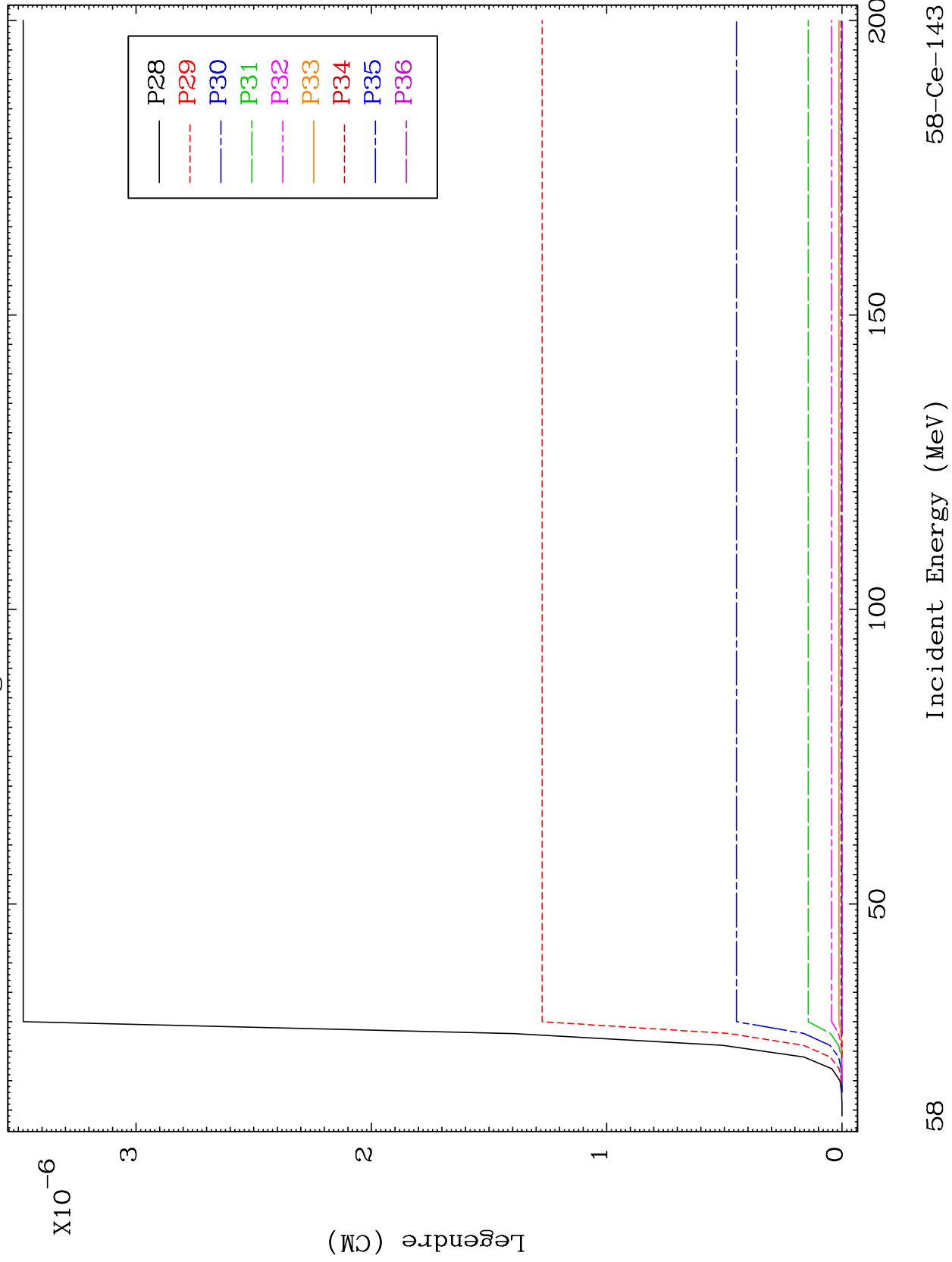
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MAT 5846

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

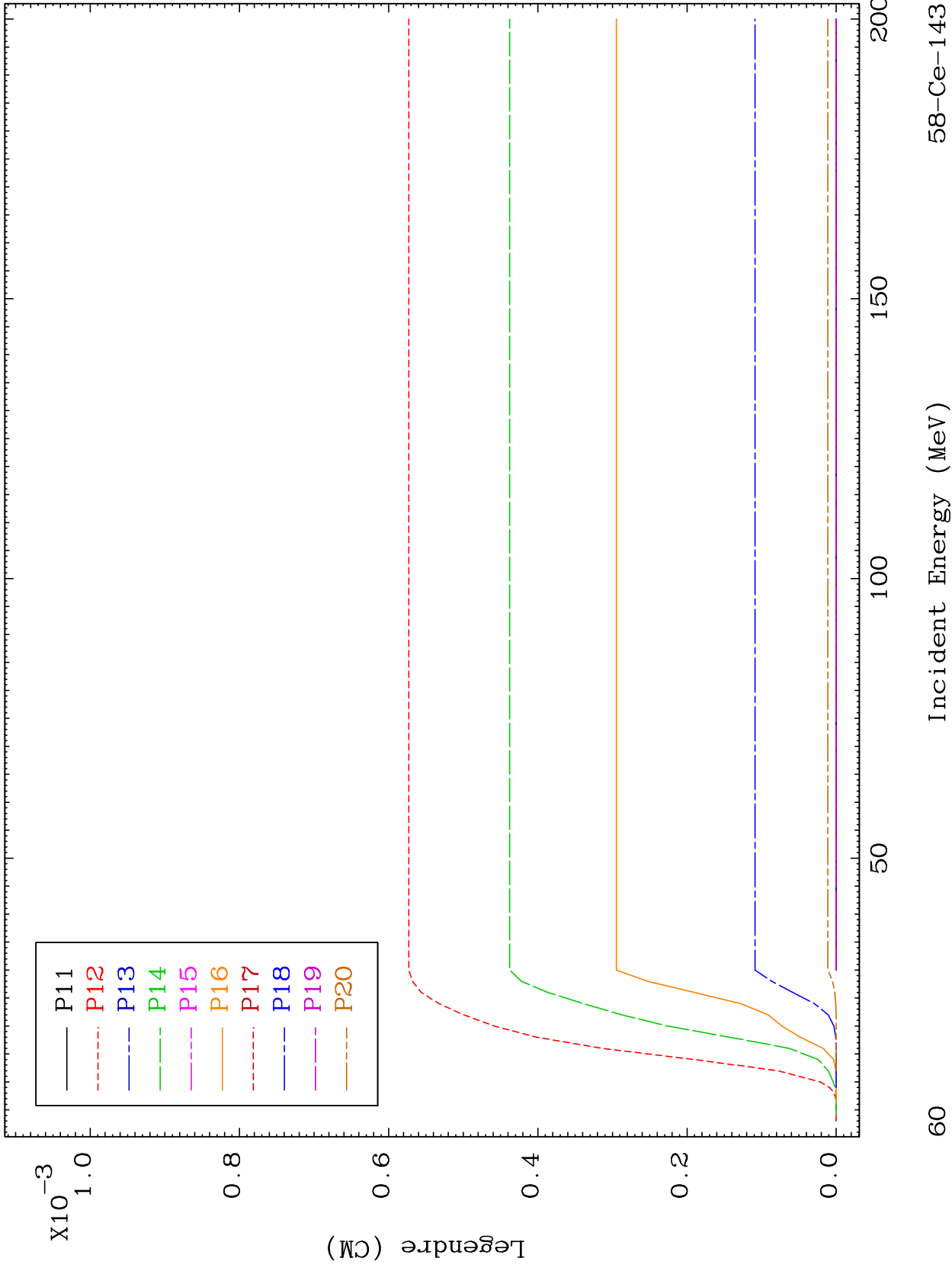
58-Ce-143



MAT 5846

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

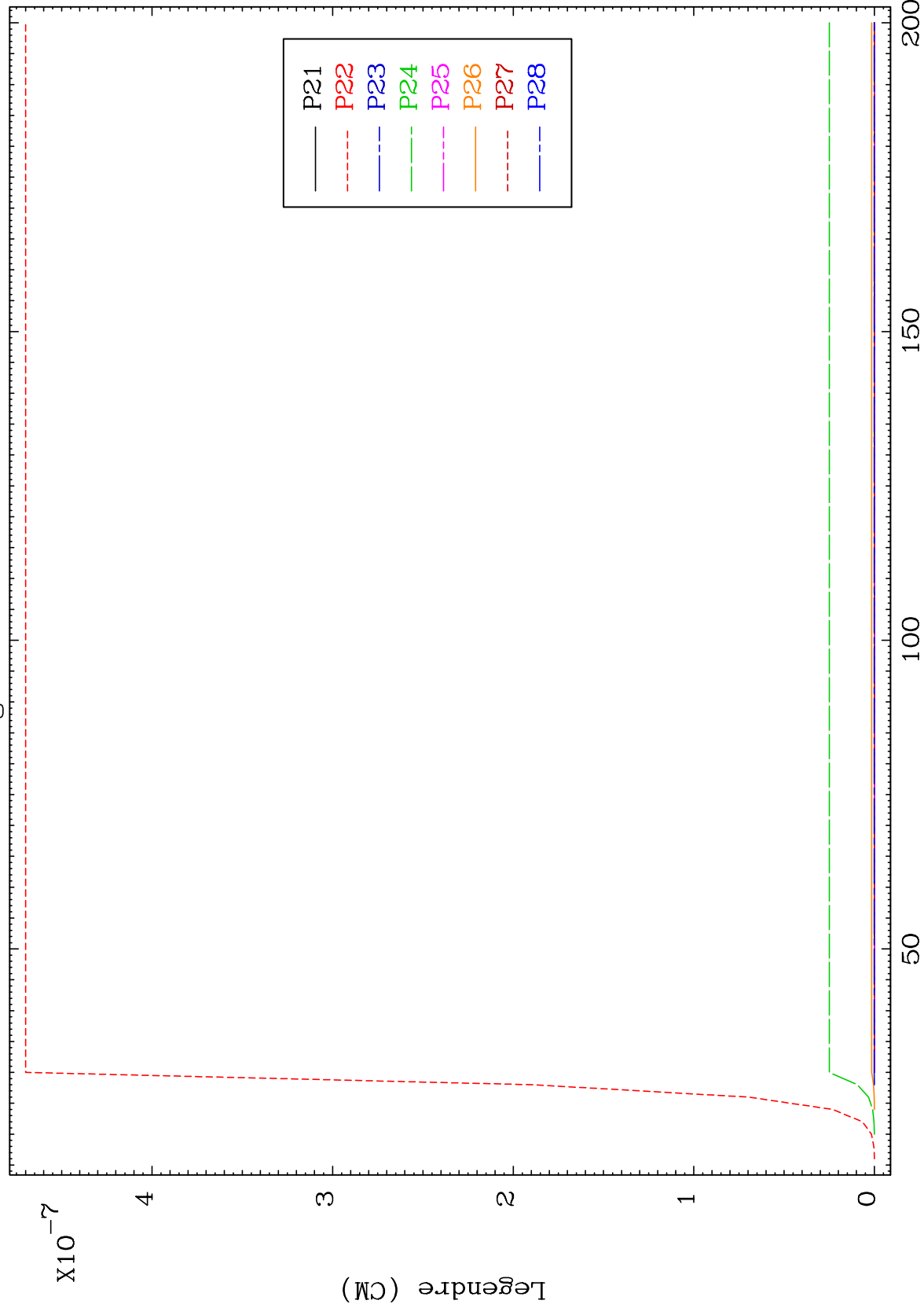
58-Ce-143



MAT 5846

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

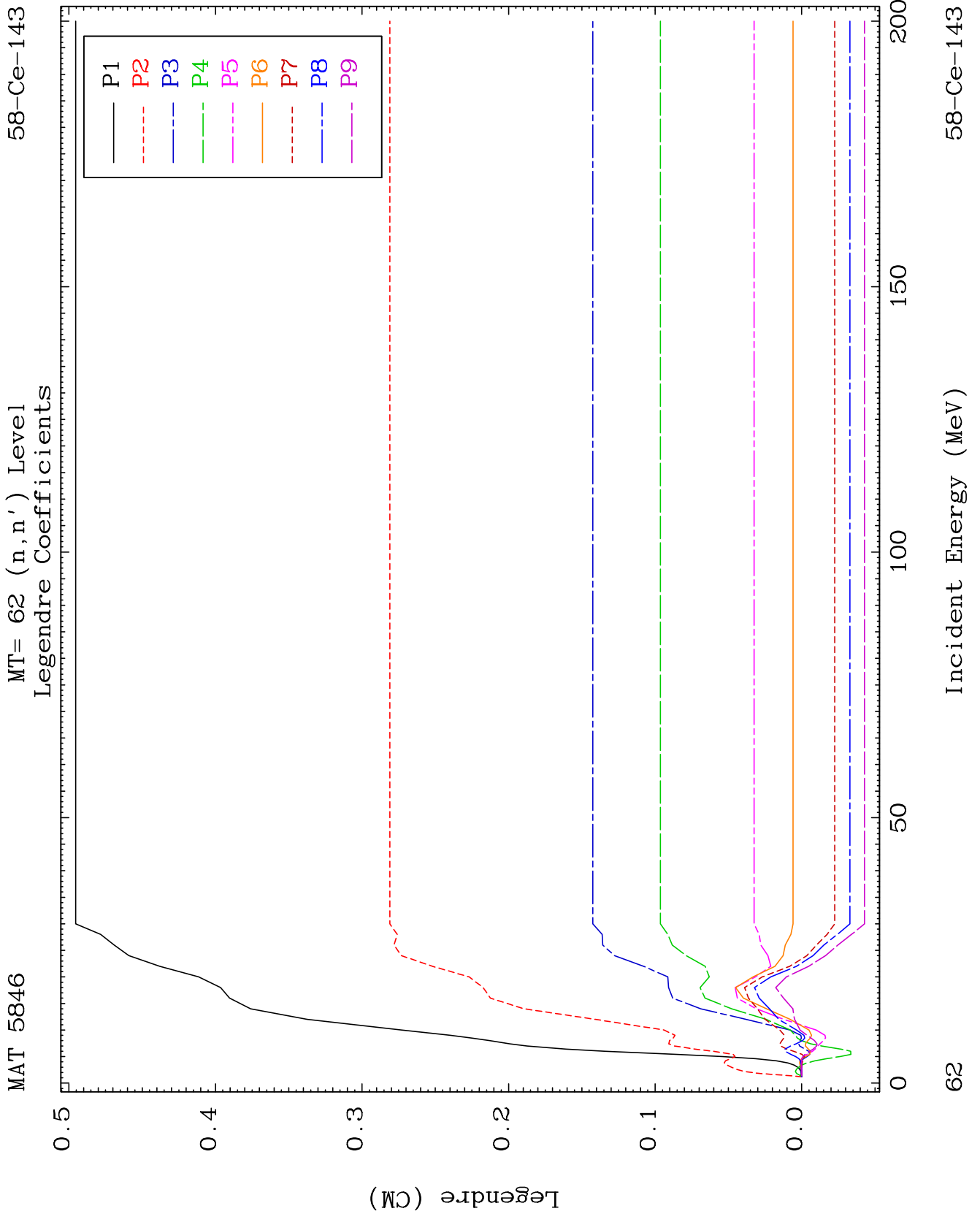
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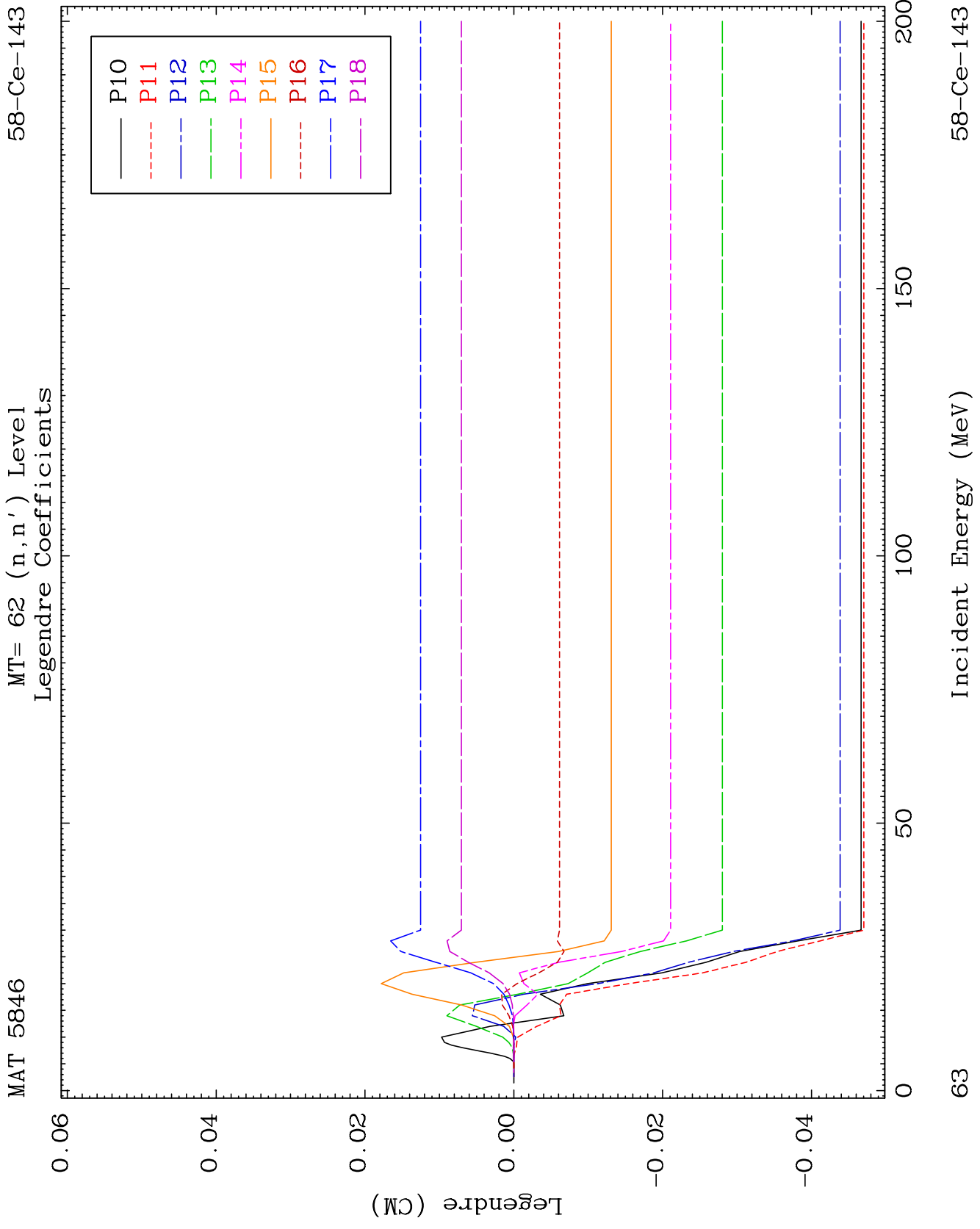


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Incident Energy (MeV)

58-Ce-143

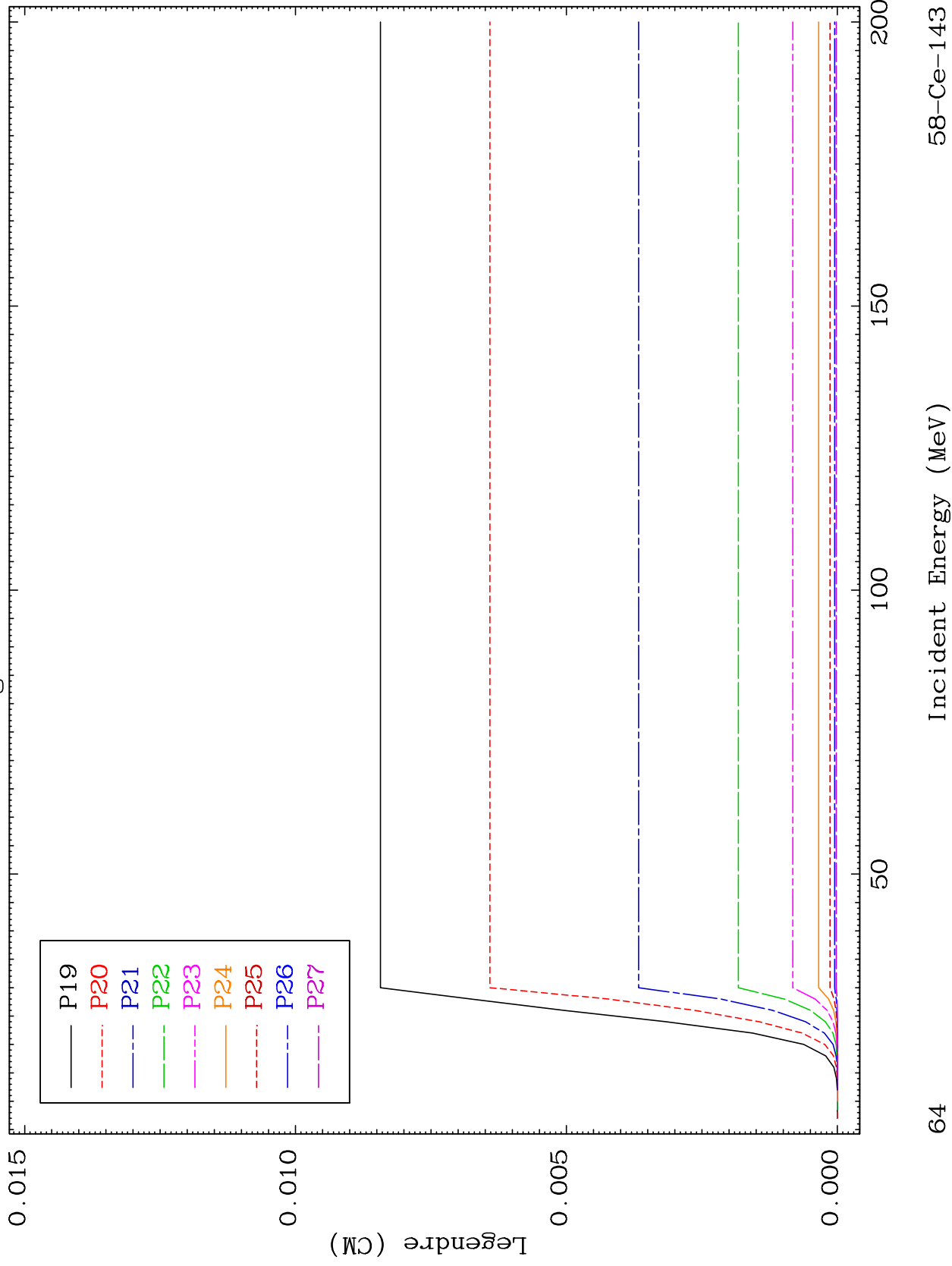




MAT 5846

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

58-Ce-143



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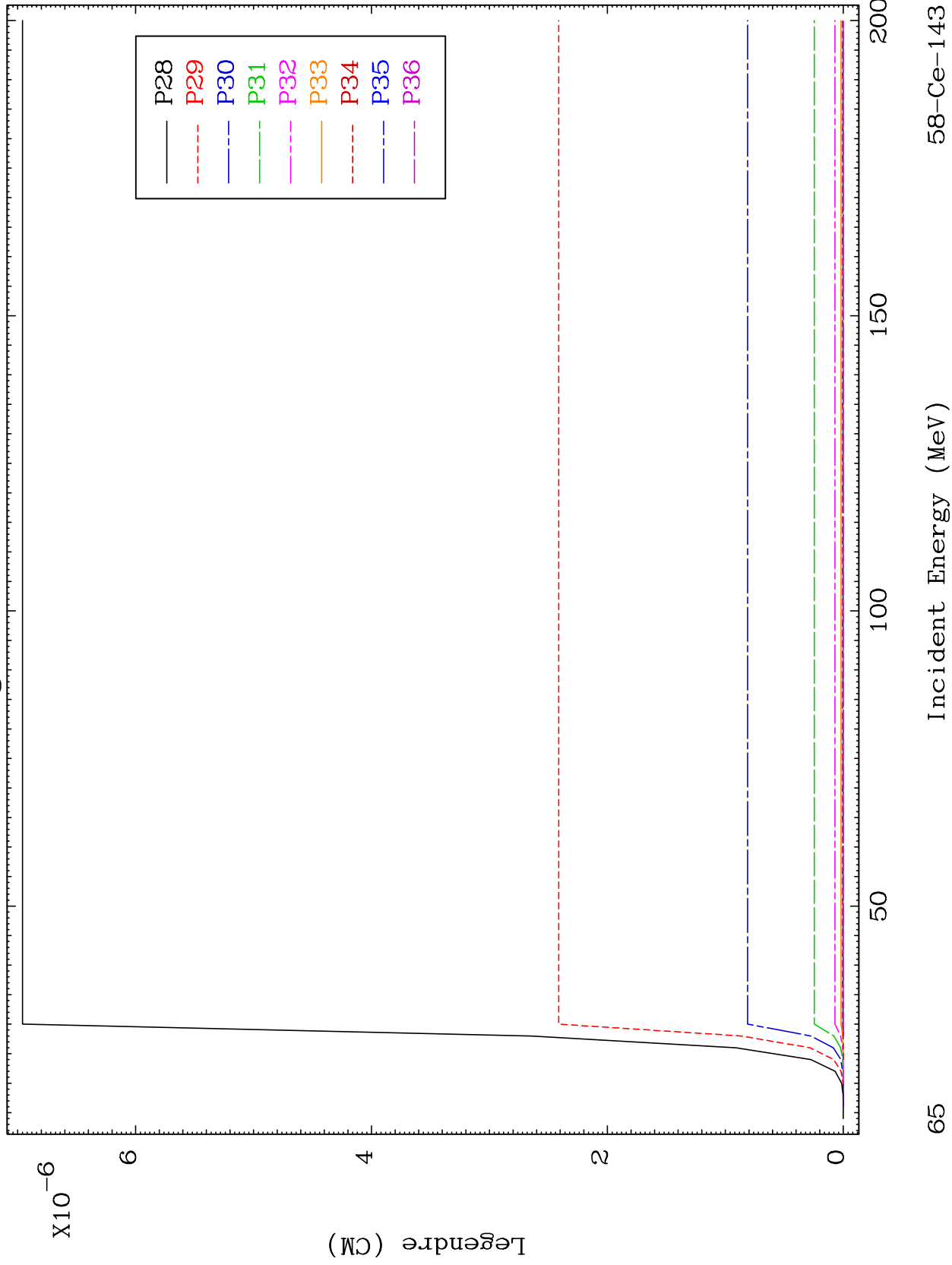
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

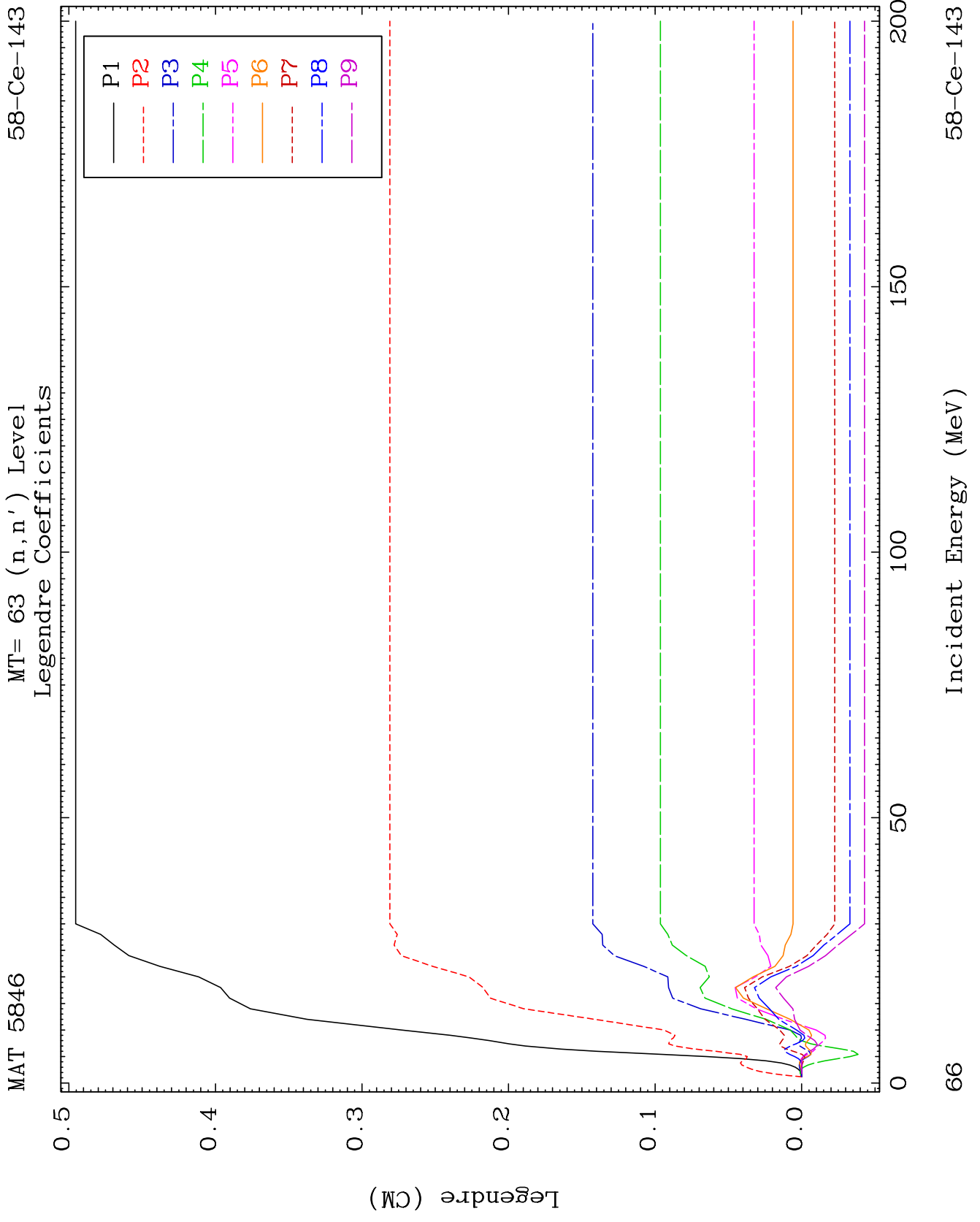
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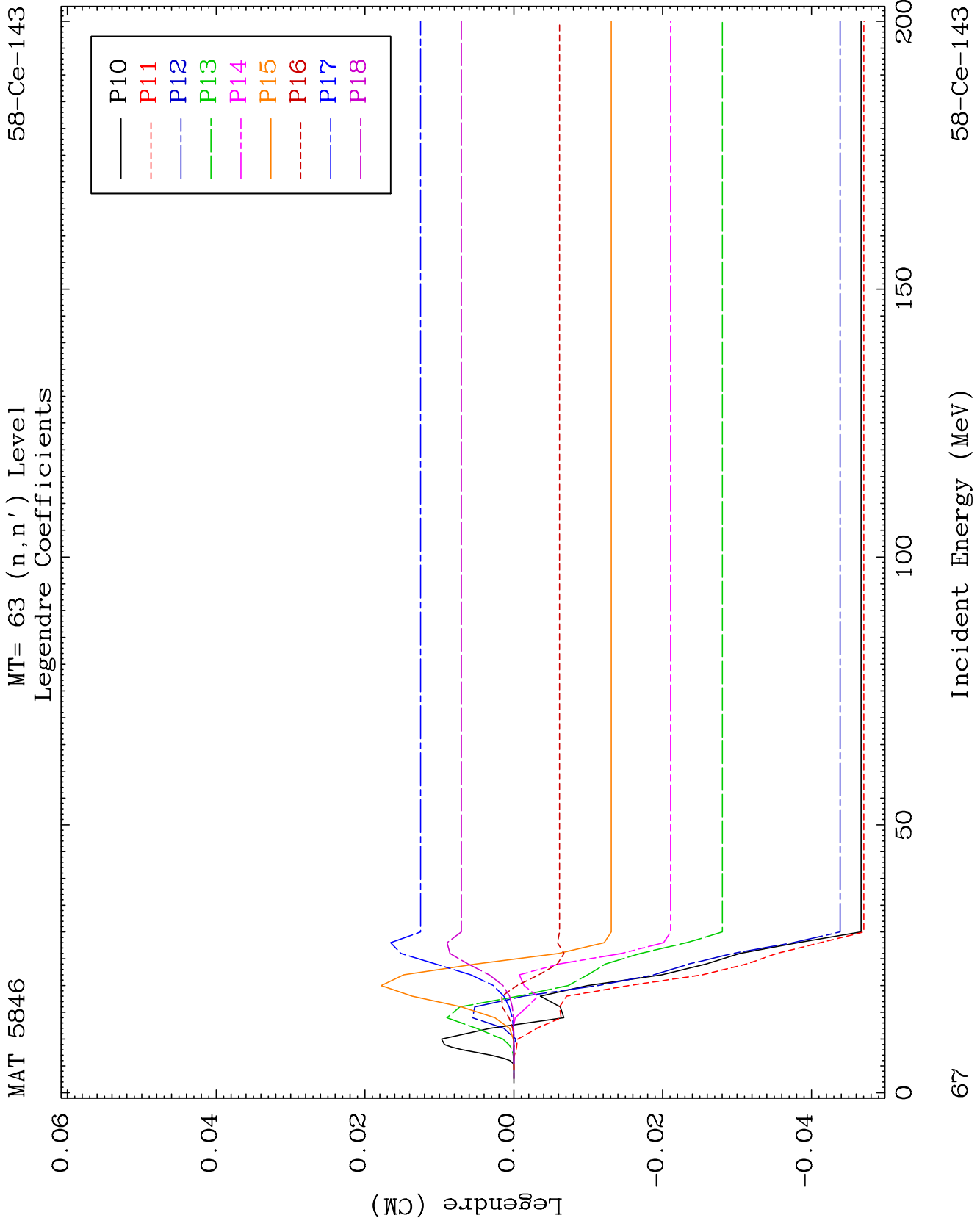


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Incident Energy (MeV)

58-Ce-143

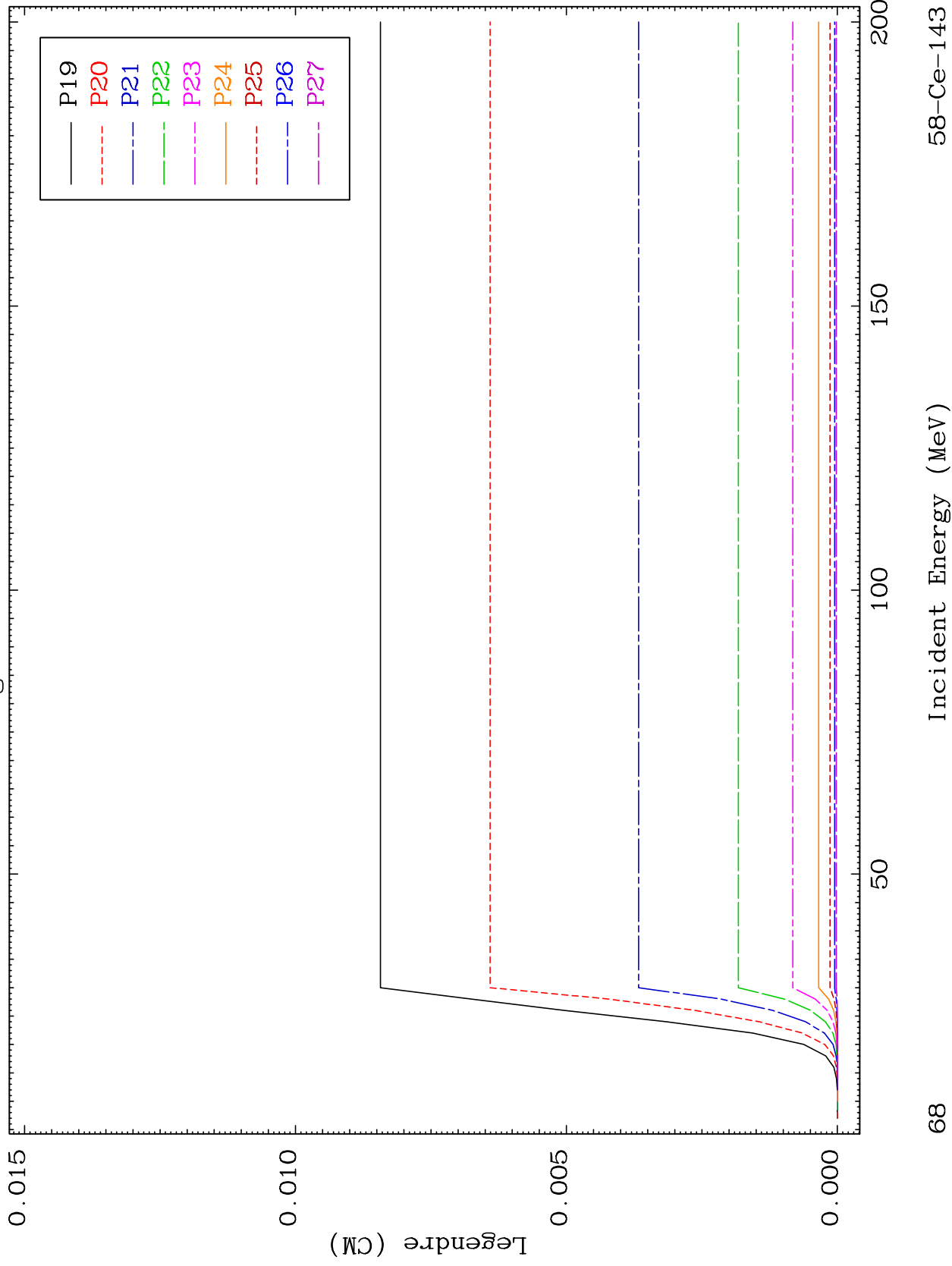




MAT 5846

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

58-Ce-143



68

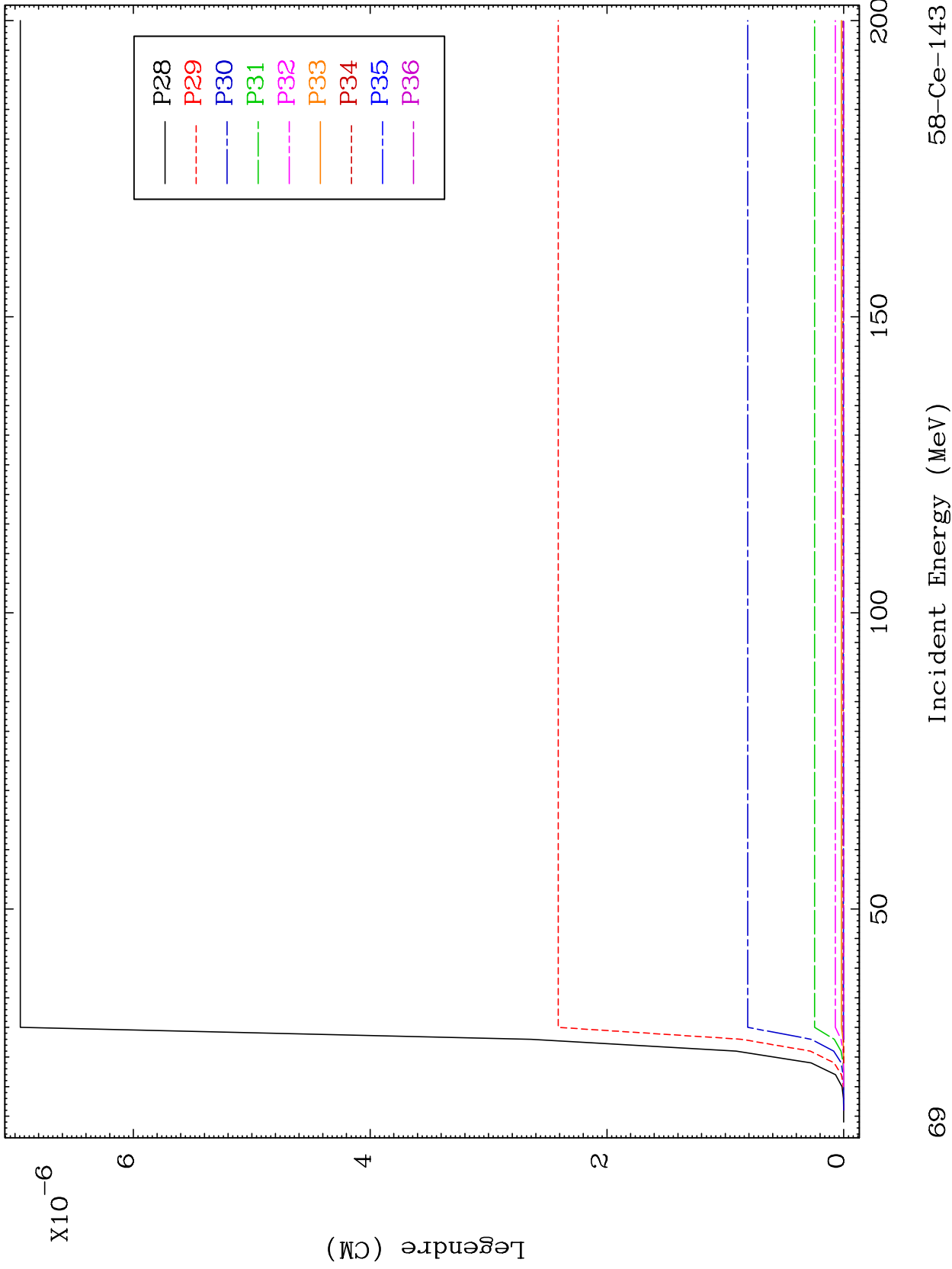
Incident Energy (MeV)

58-Ce-143

MAT 5846

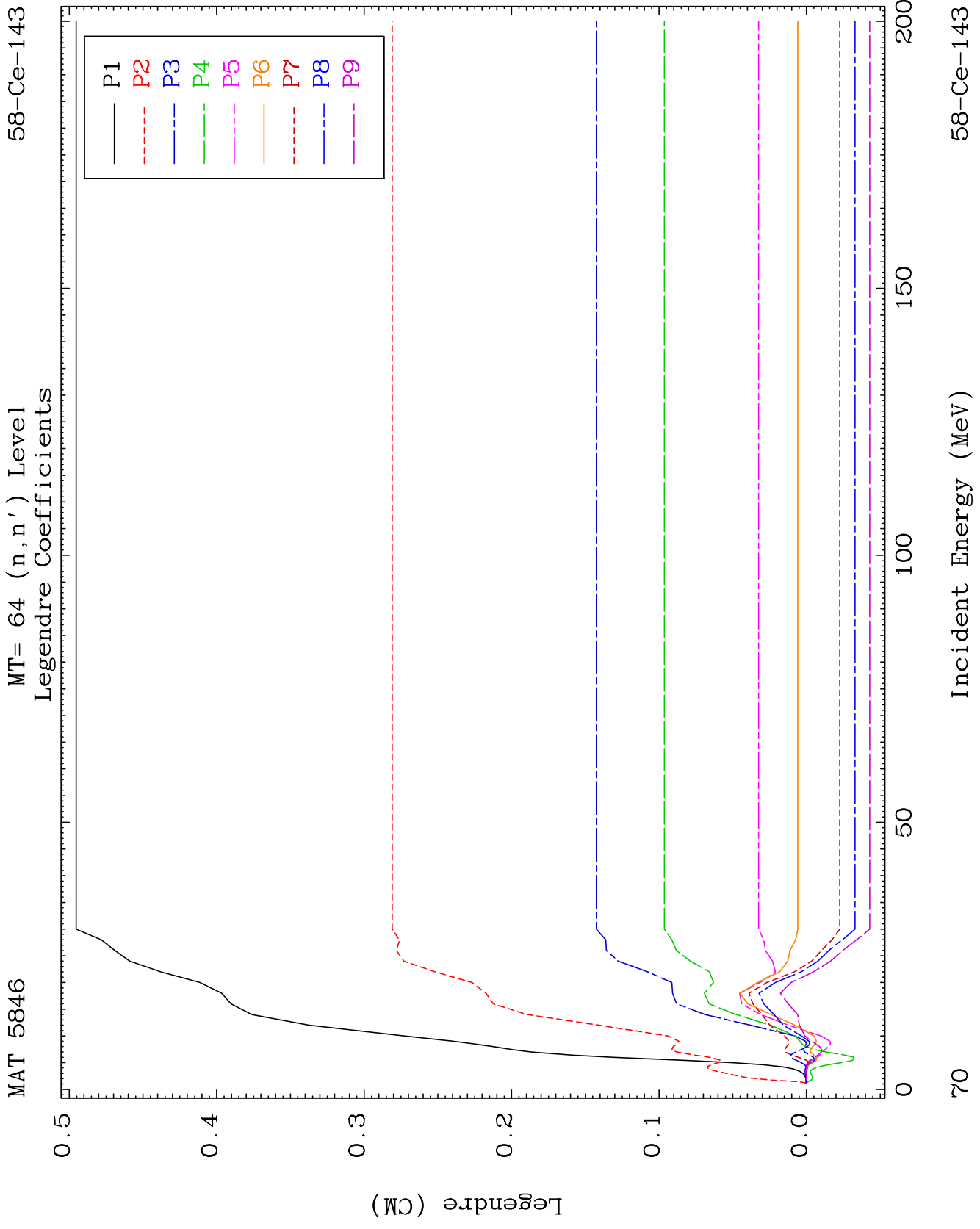
MT= 63 (n,n') Level
Legendre Coefficients

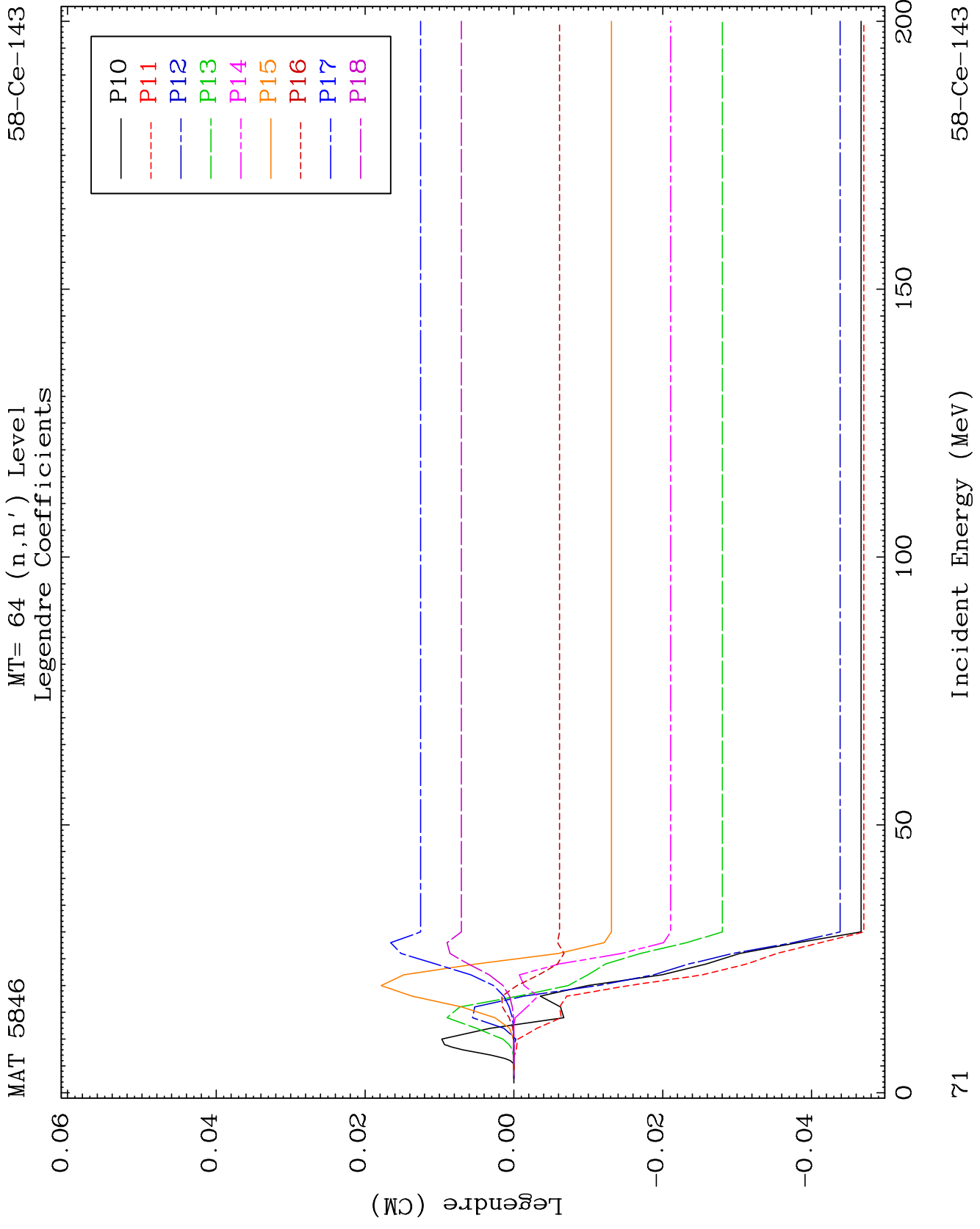
58-Ce-143



69

58-Ce-143





58-Ce-143

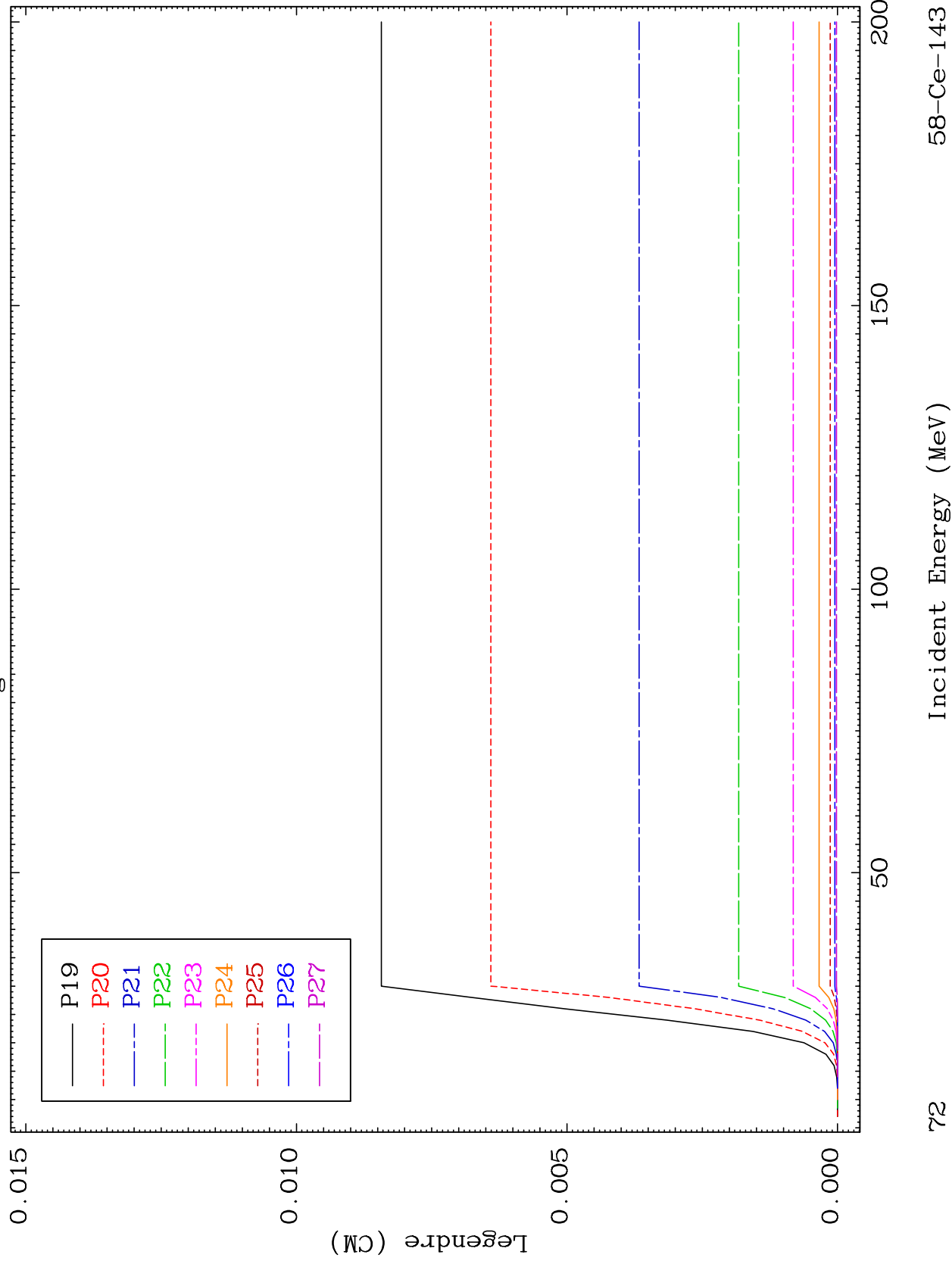
Incident Energy (MeV)

71

MAT 5846

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

58-Ce-143



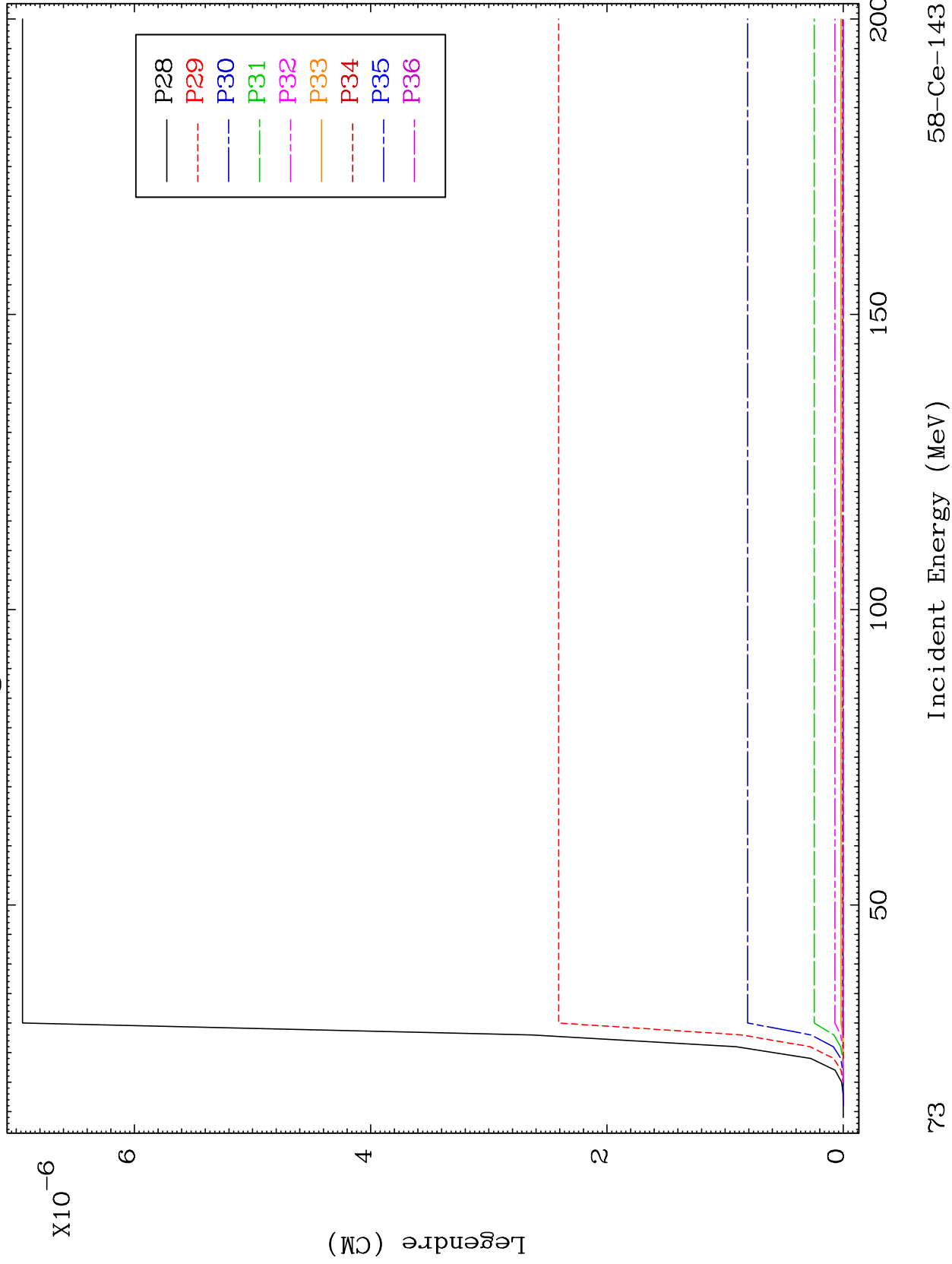
72

58-Ce-143

MAT 5846

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

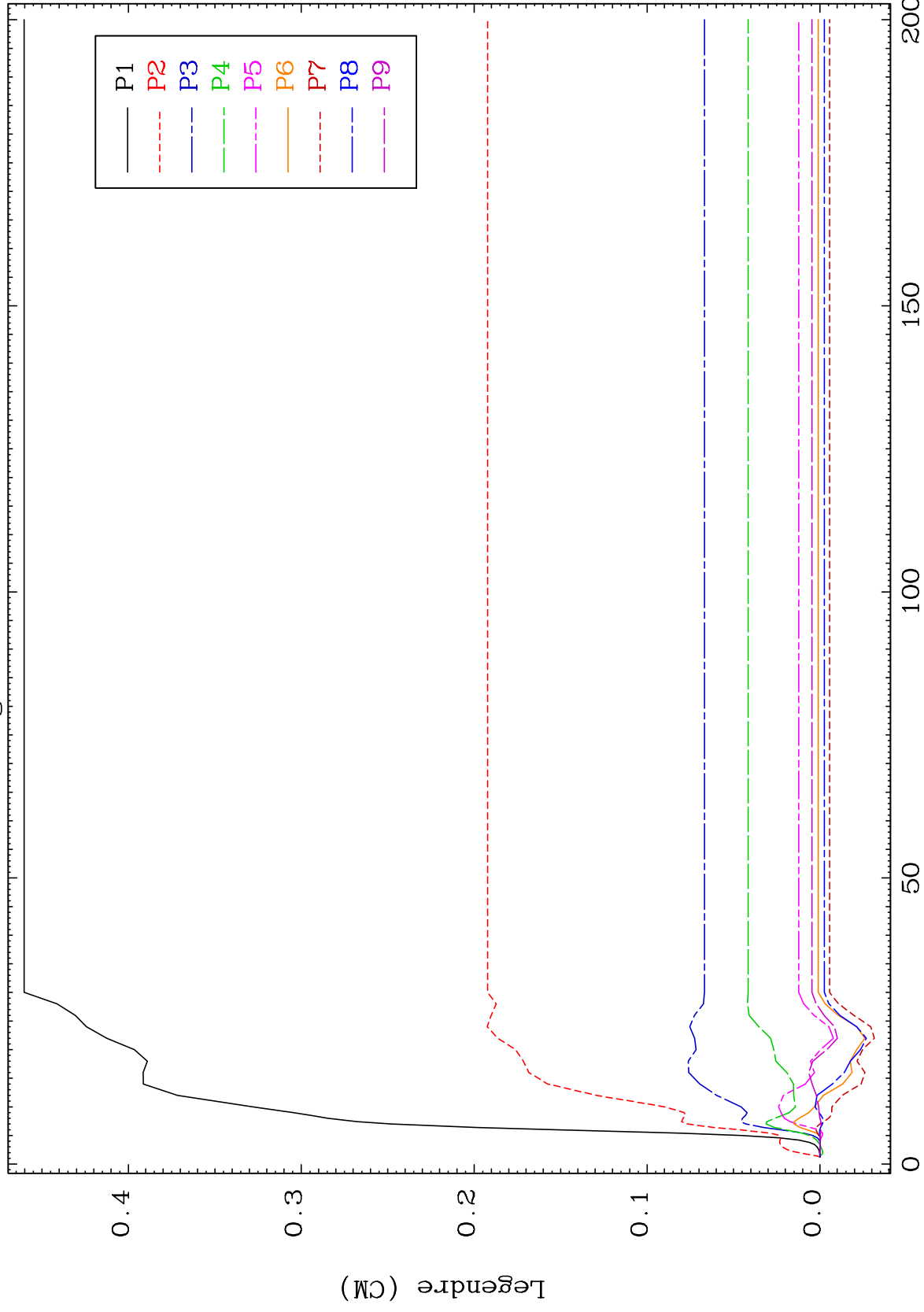
58-Ce-143



MAT 5846

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

58-Ce-143



74

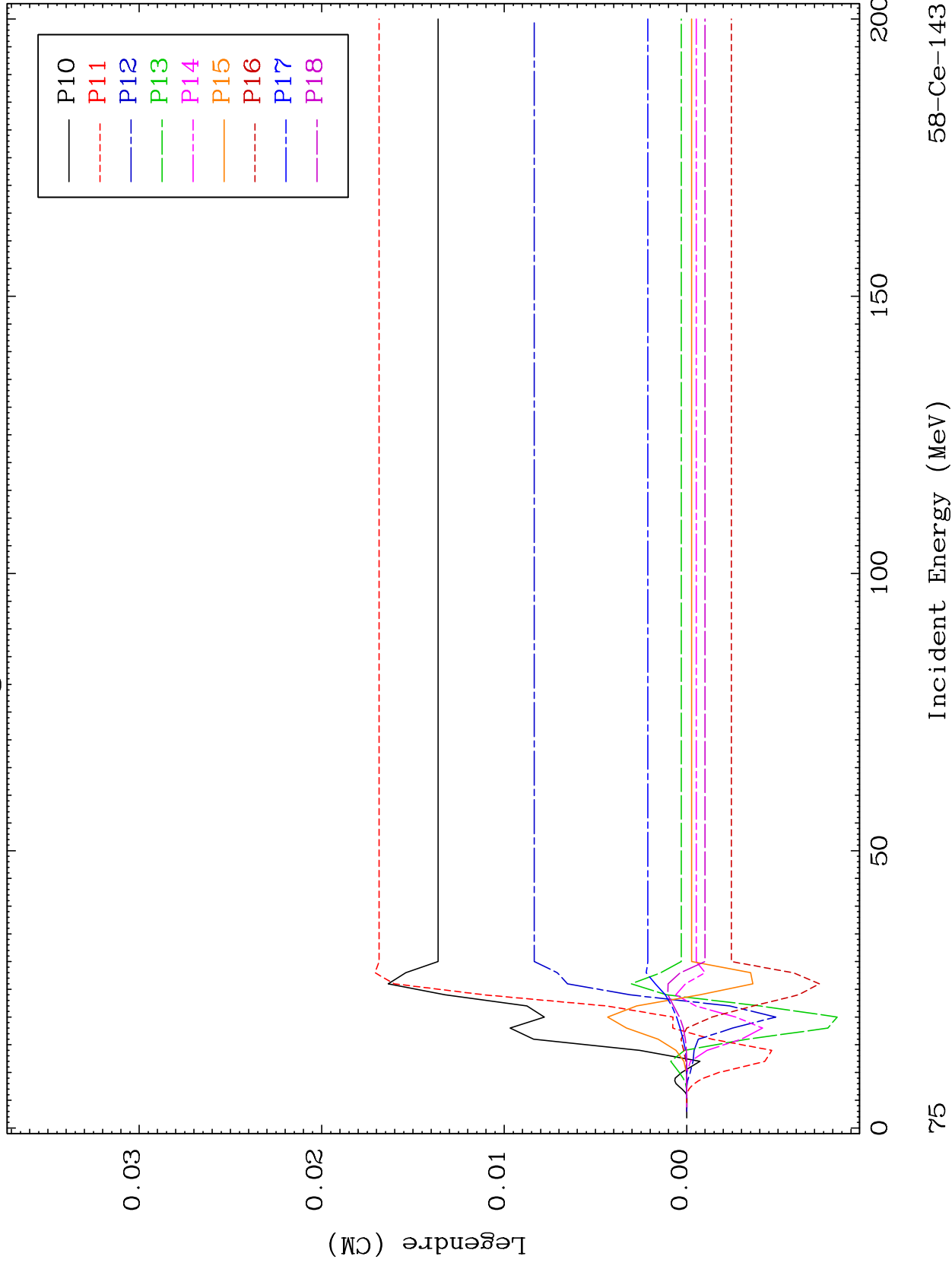
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143



58-Ce-143

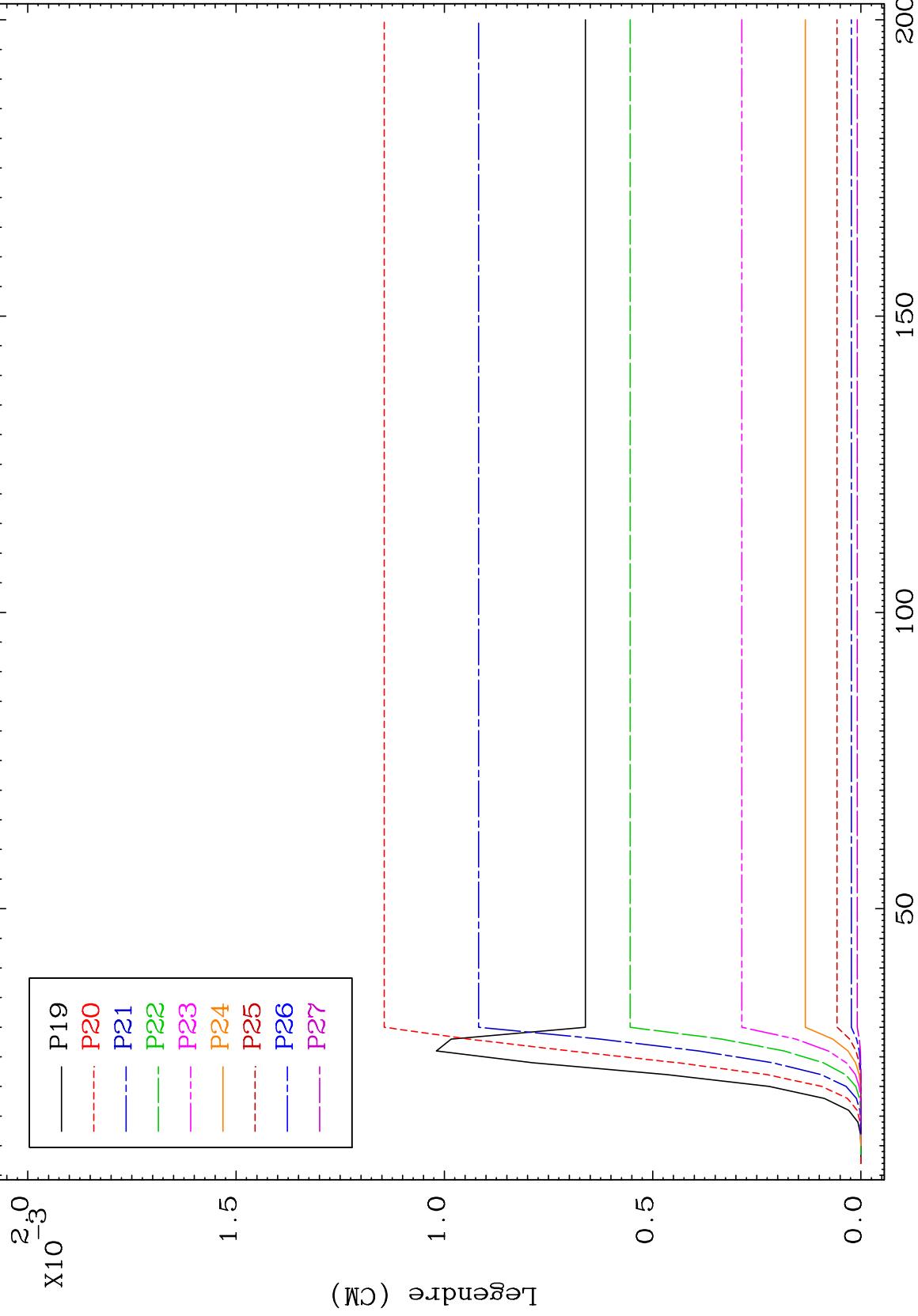
Incident Energy (MeV)

75

MAT 5846

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

58-Ce-143



76

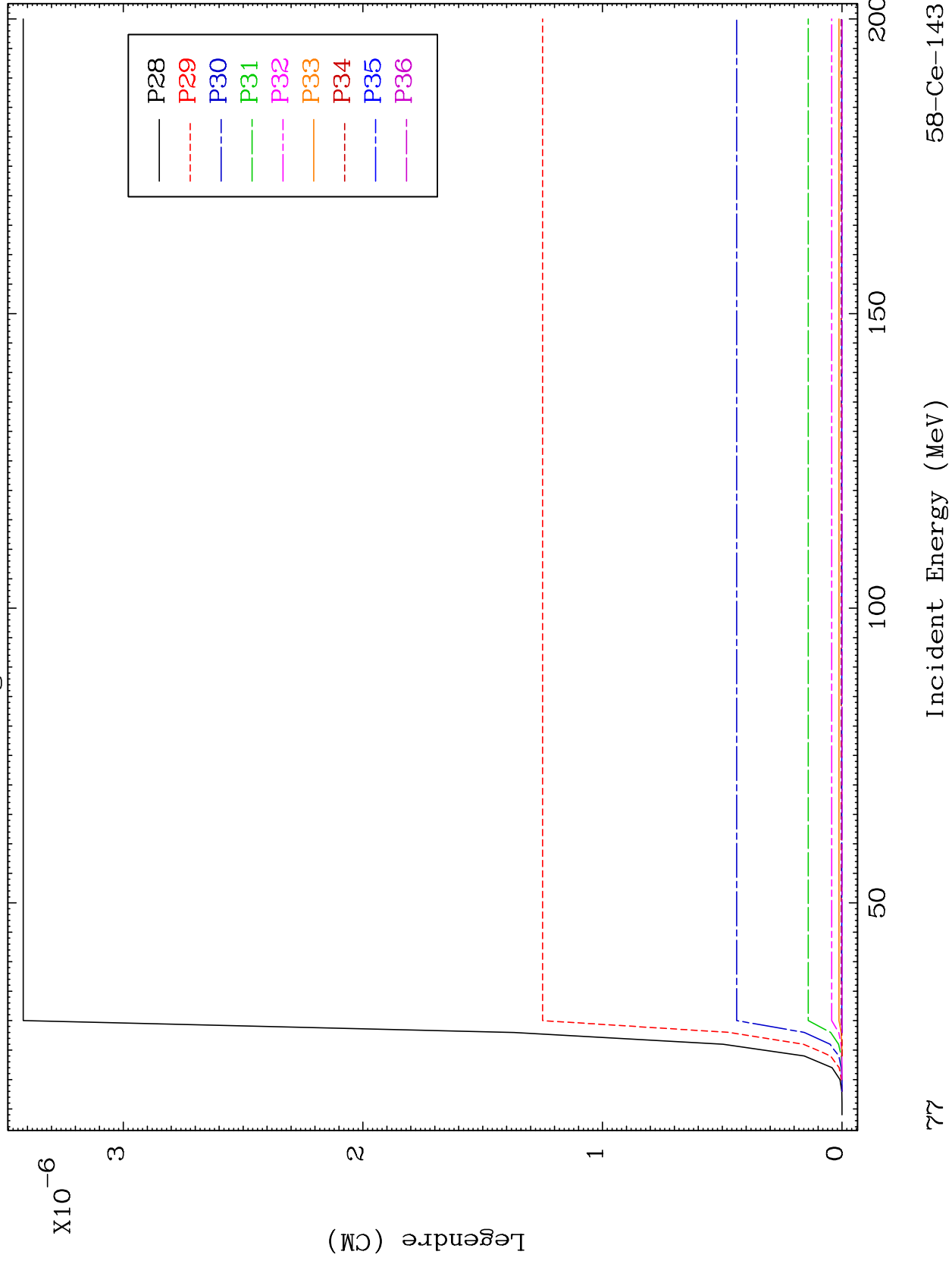
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

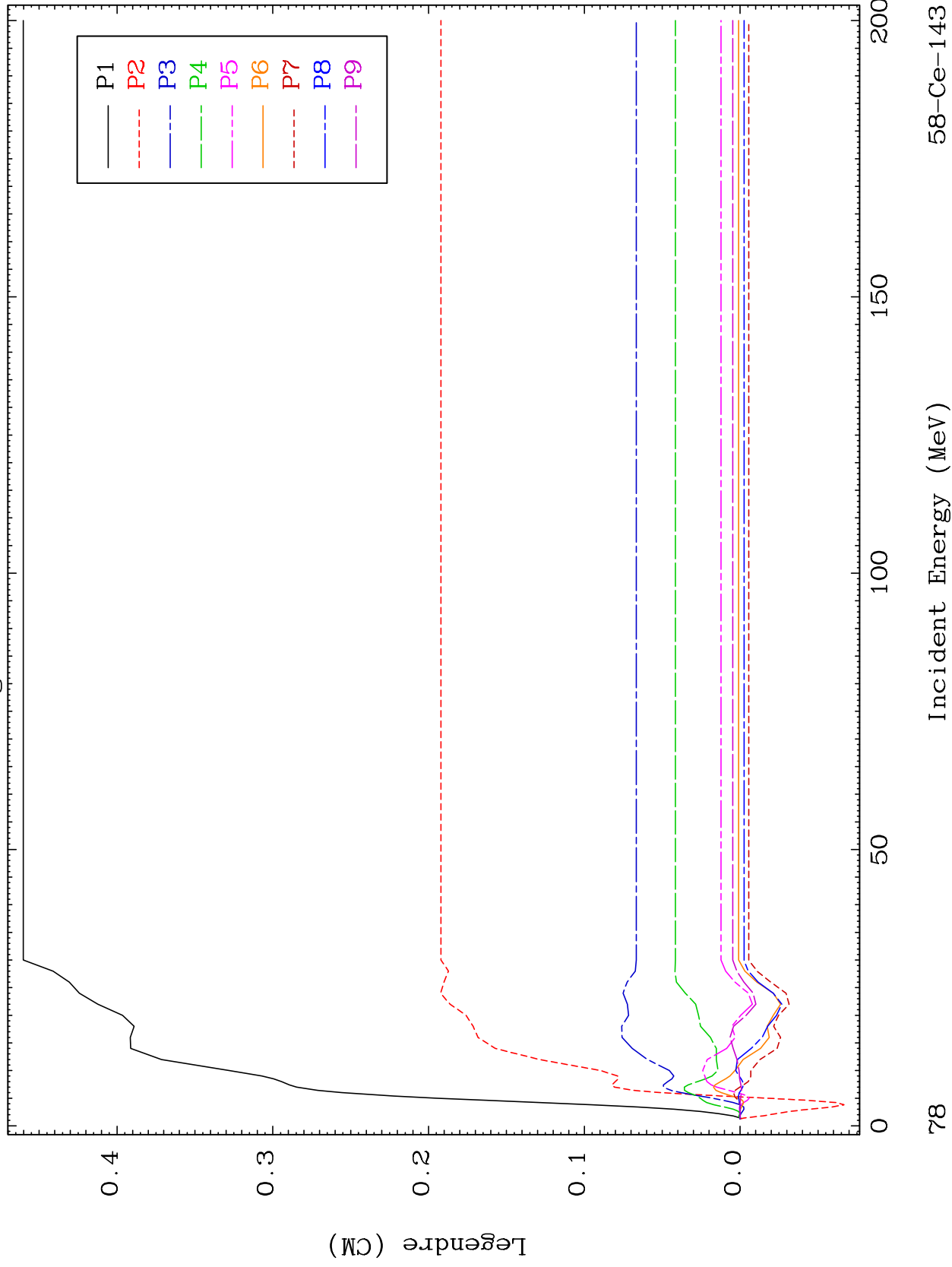
58-Ce-143



MAT 5846

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

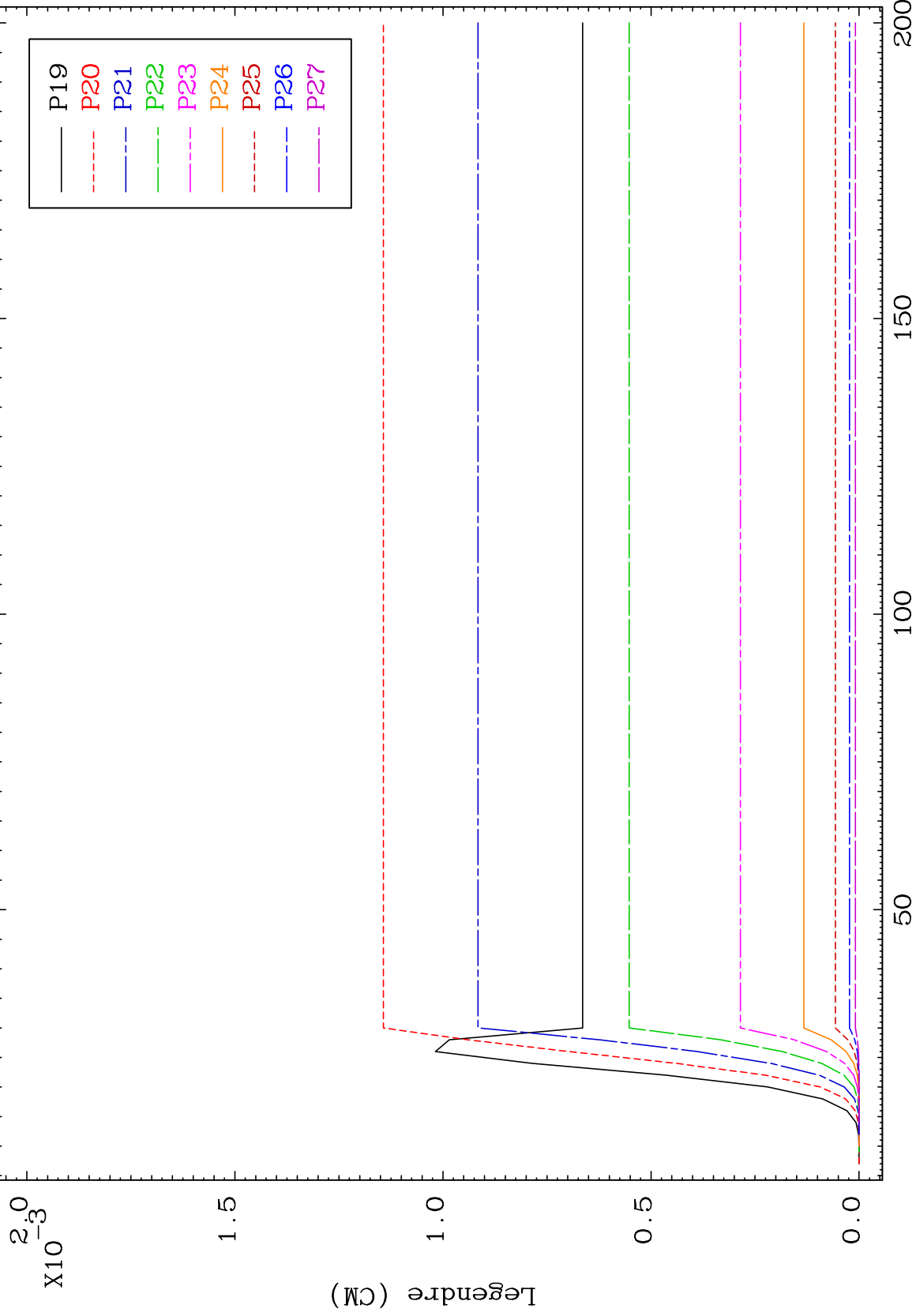
58-Ce-143



MAT 5846

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

58-Ce-143



80

Incident Energy (MeV)

50

100

150

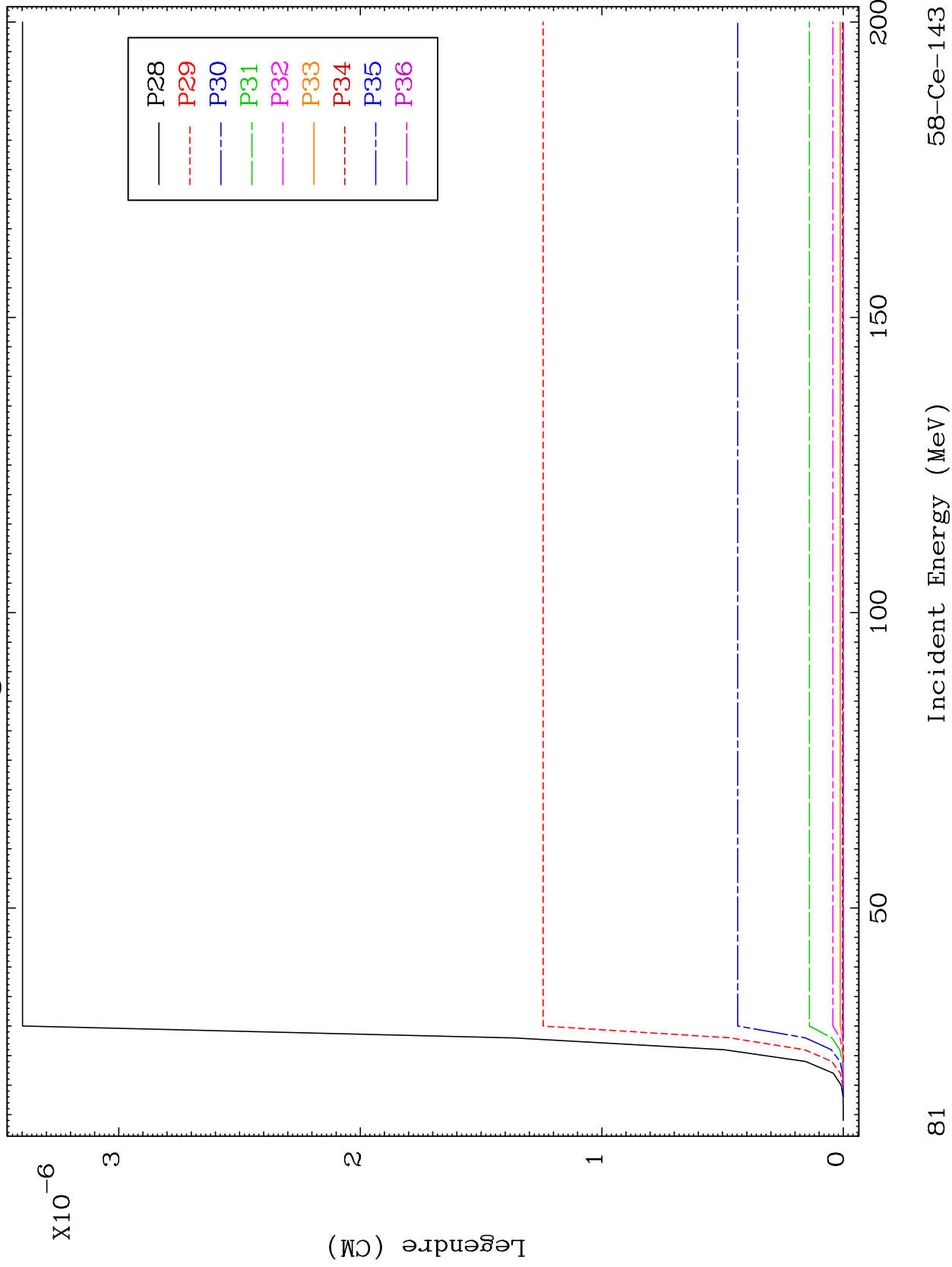
200

58-Ce-143

MAT 5846

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

58-Ce-143



81

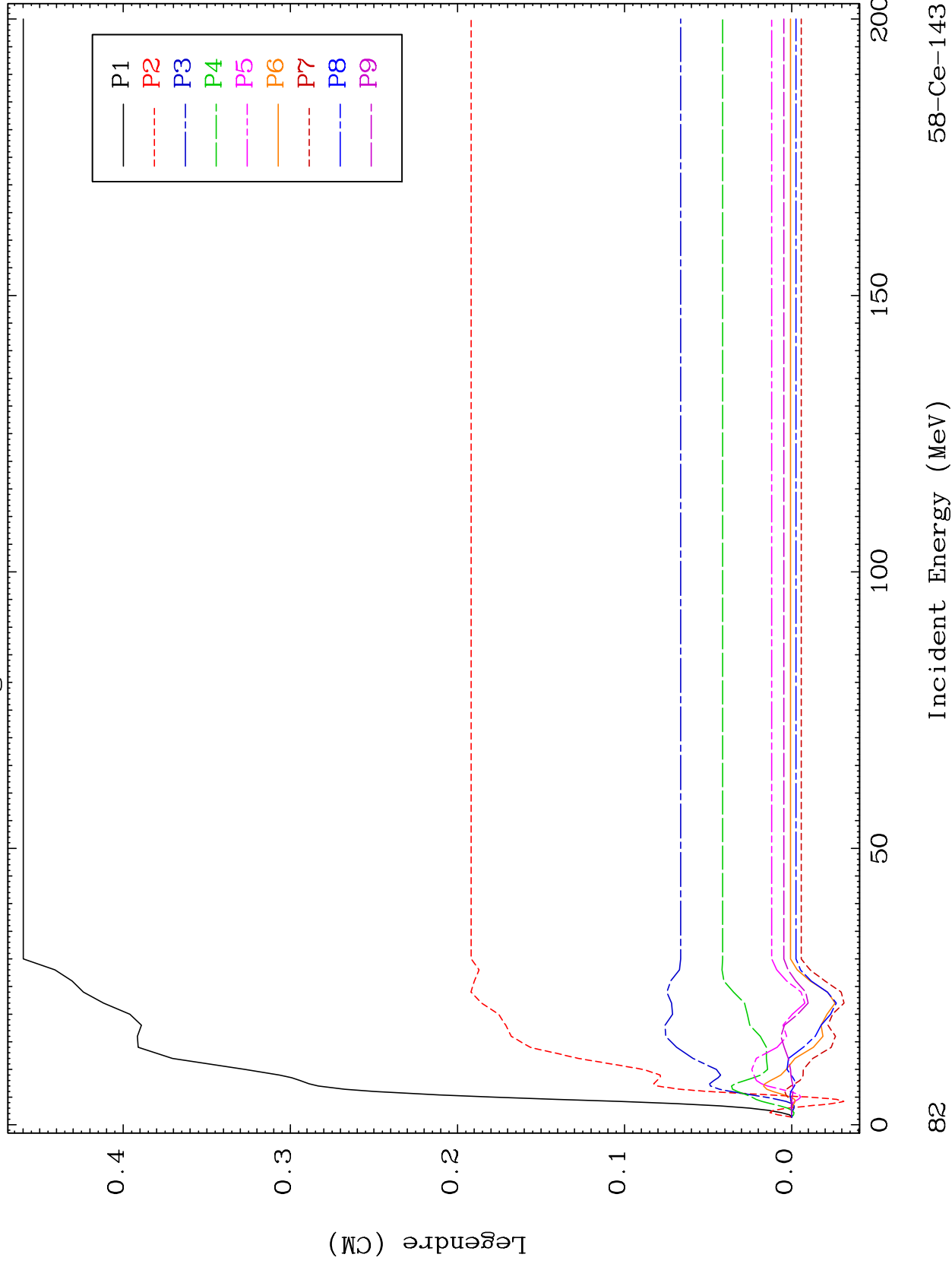
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143



58-Ce-143

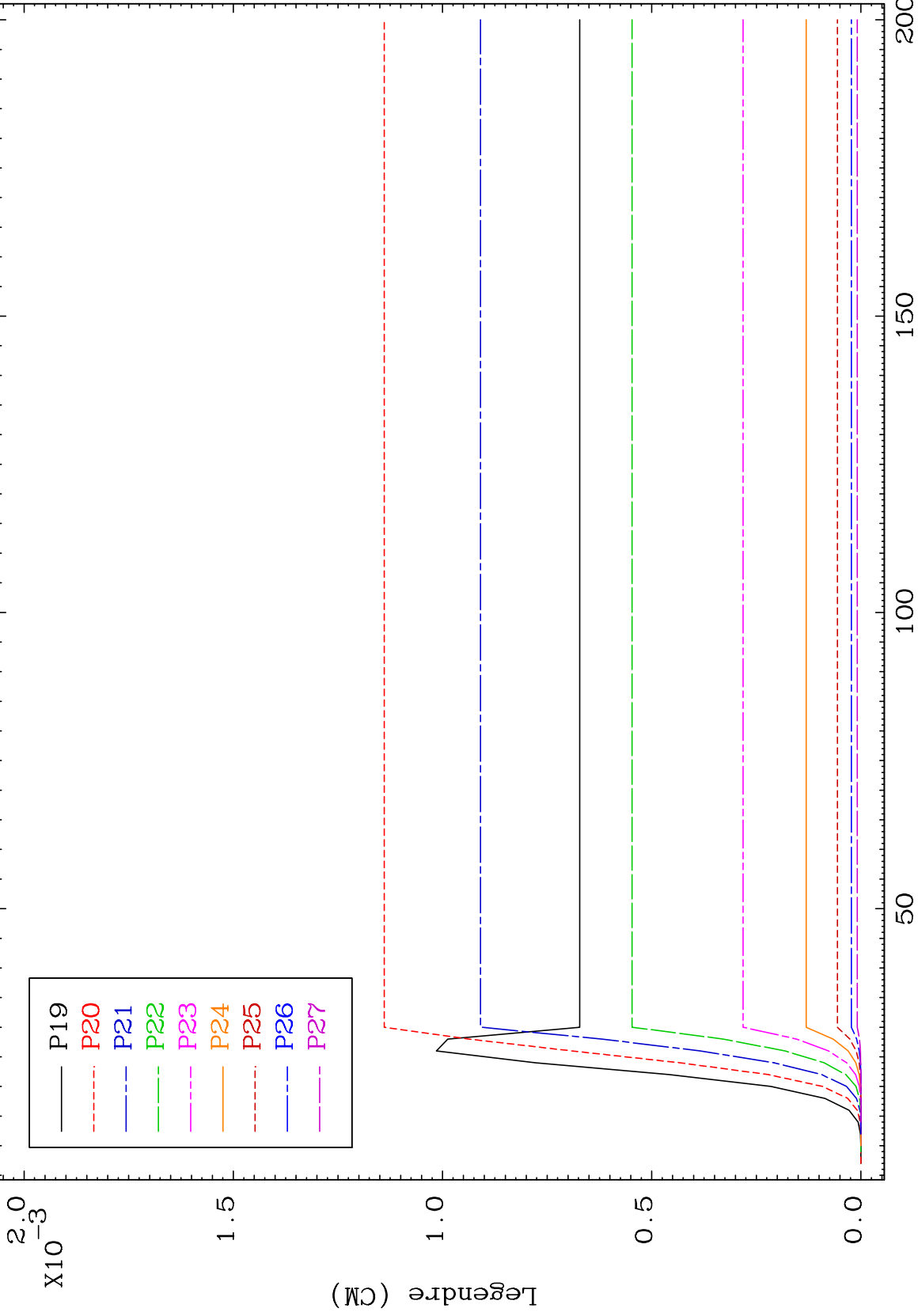
Incident Energy (MeV)

82

MAT 5846

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

58-Ce-143



84

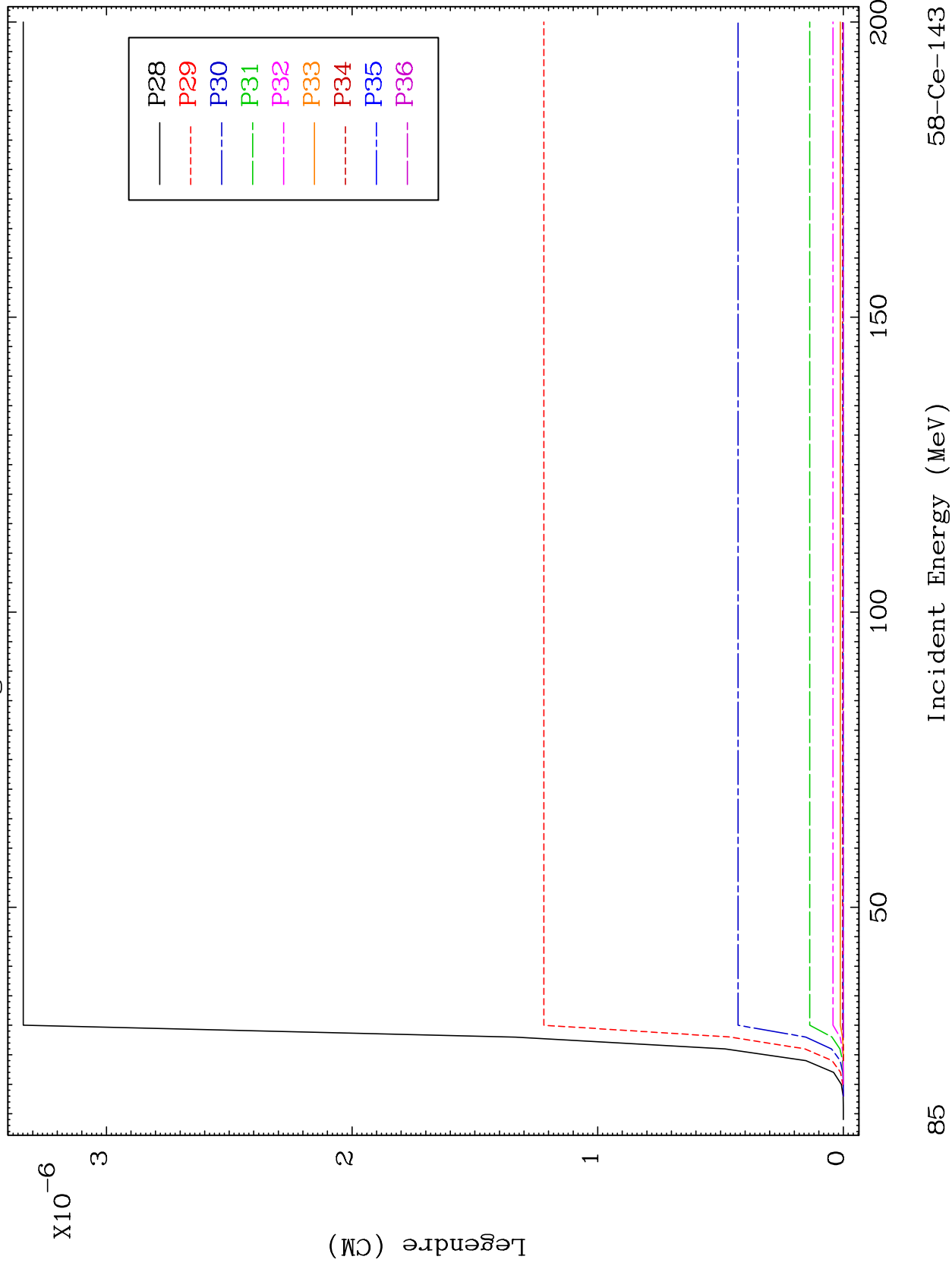
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

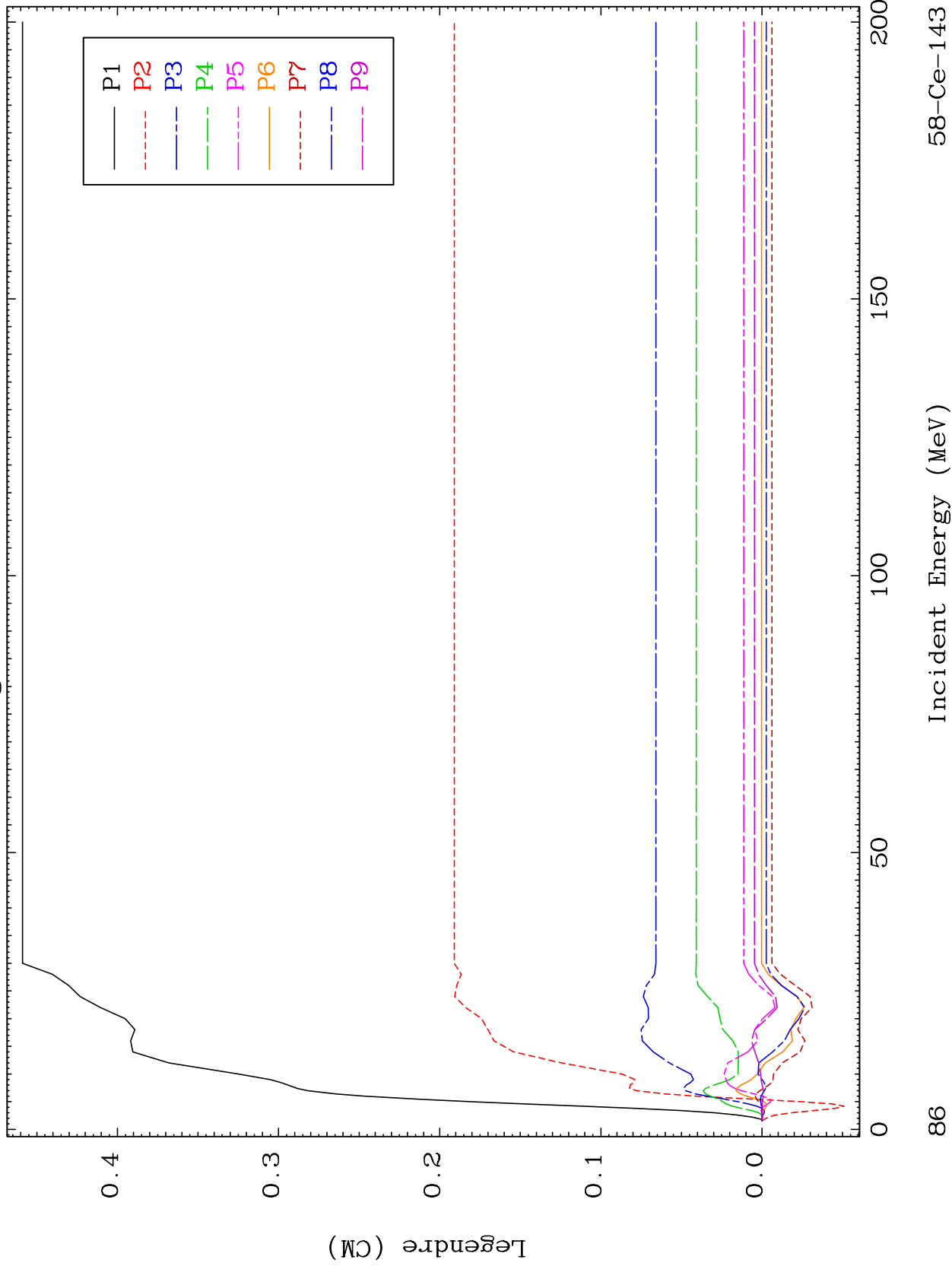
58-Ce-143



MAT 5846

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

58-Ce-143



58-Ce-143

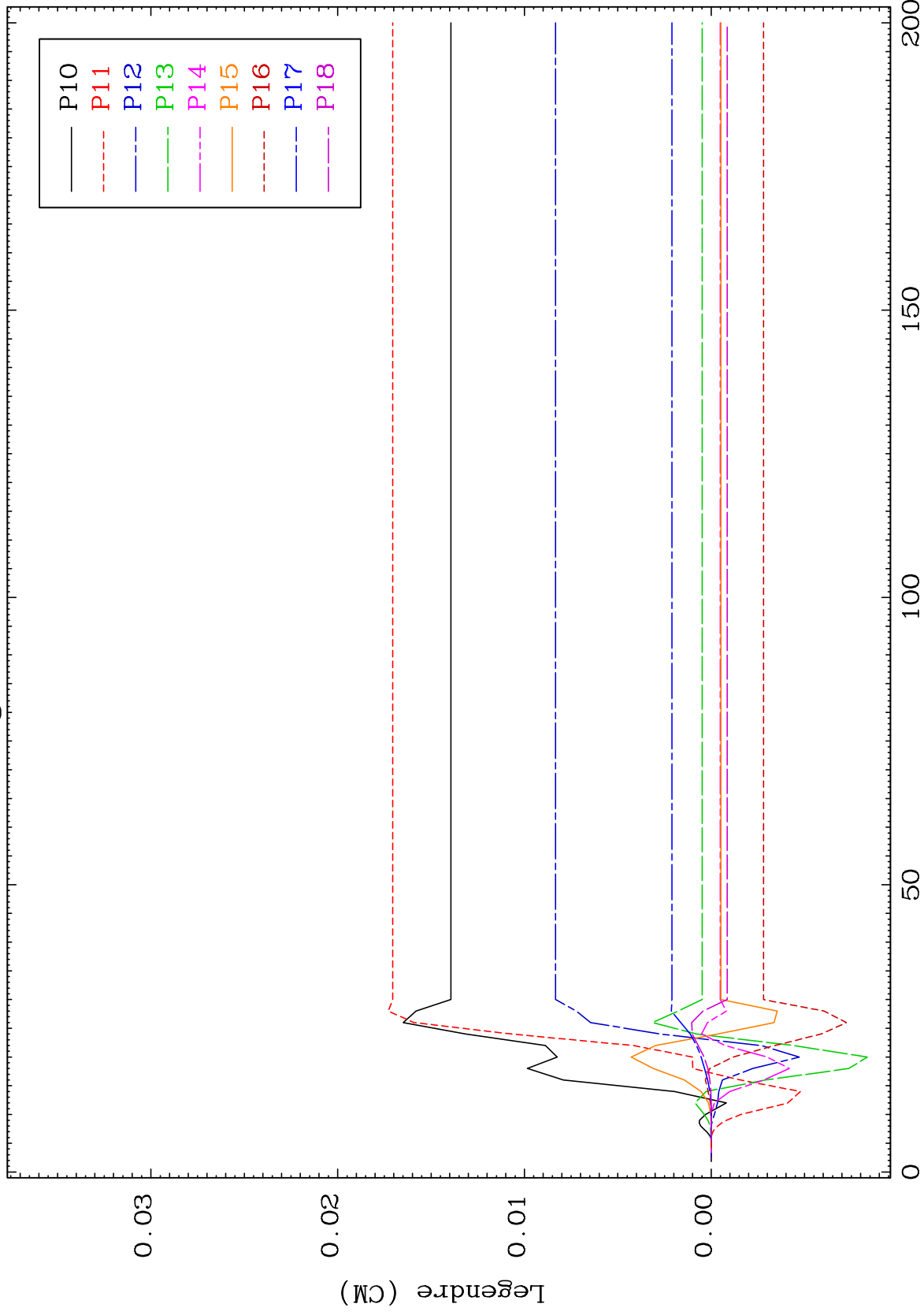
Incident Energy (MeV)

86

MAT 5846

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

58-Ce-143



87

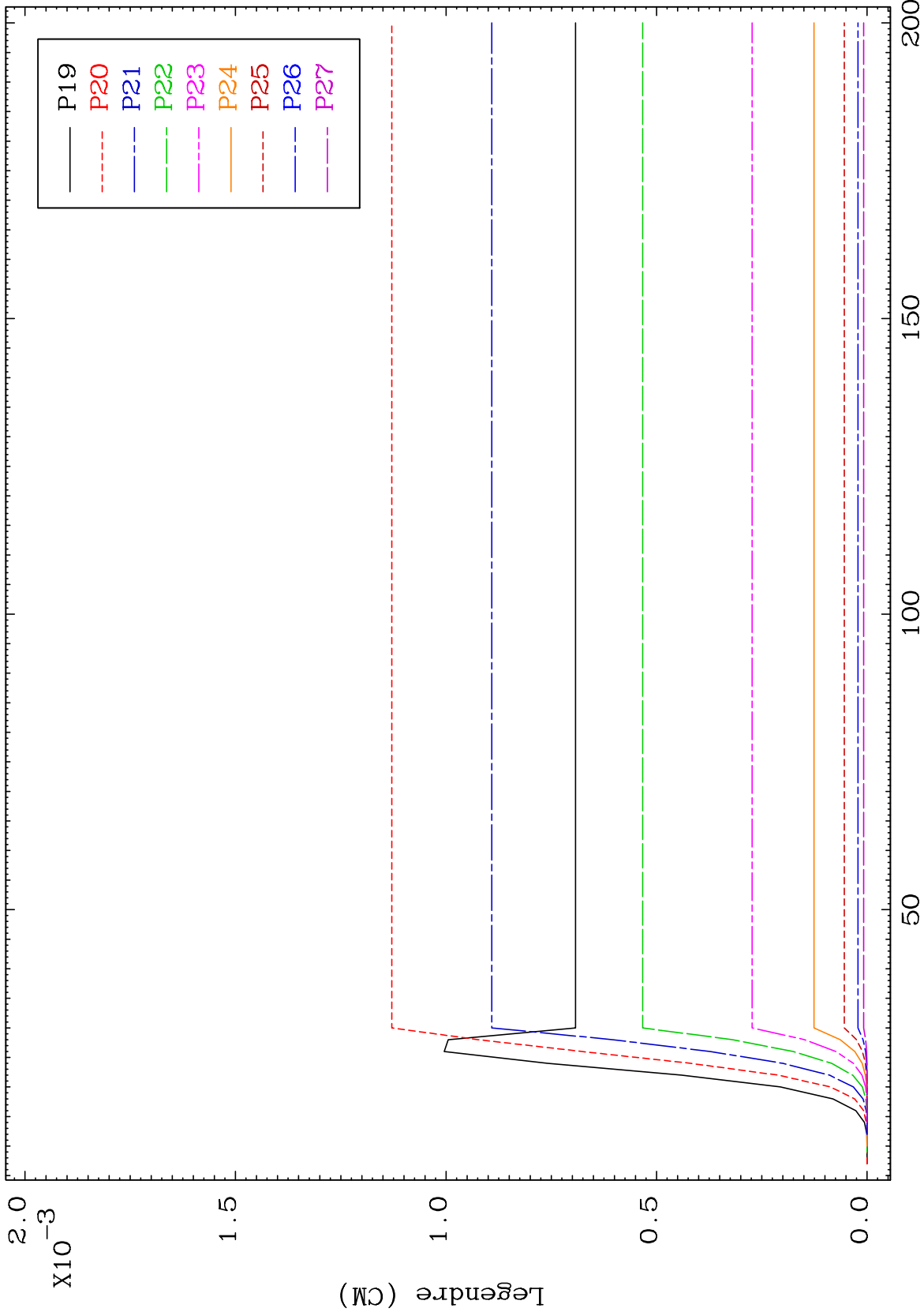
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143



88

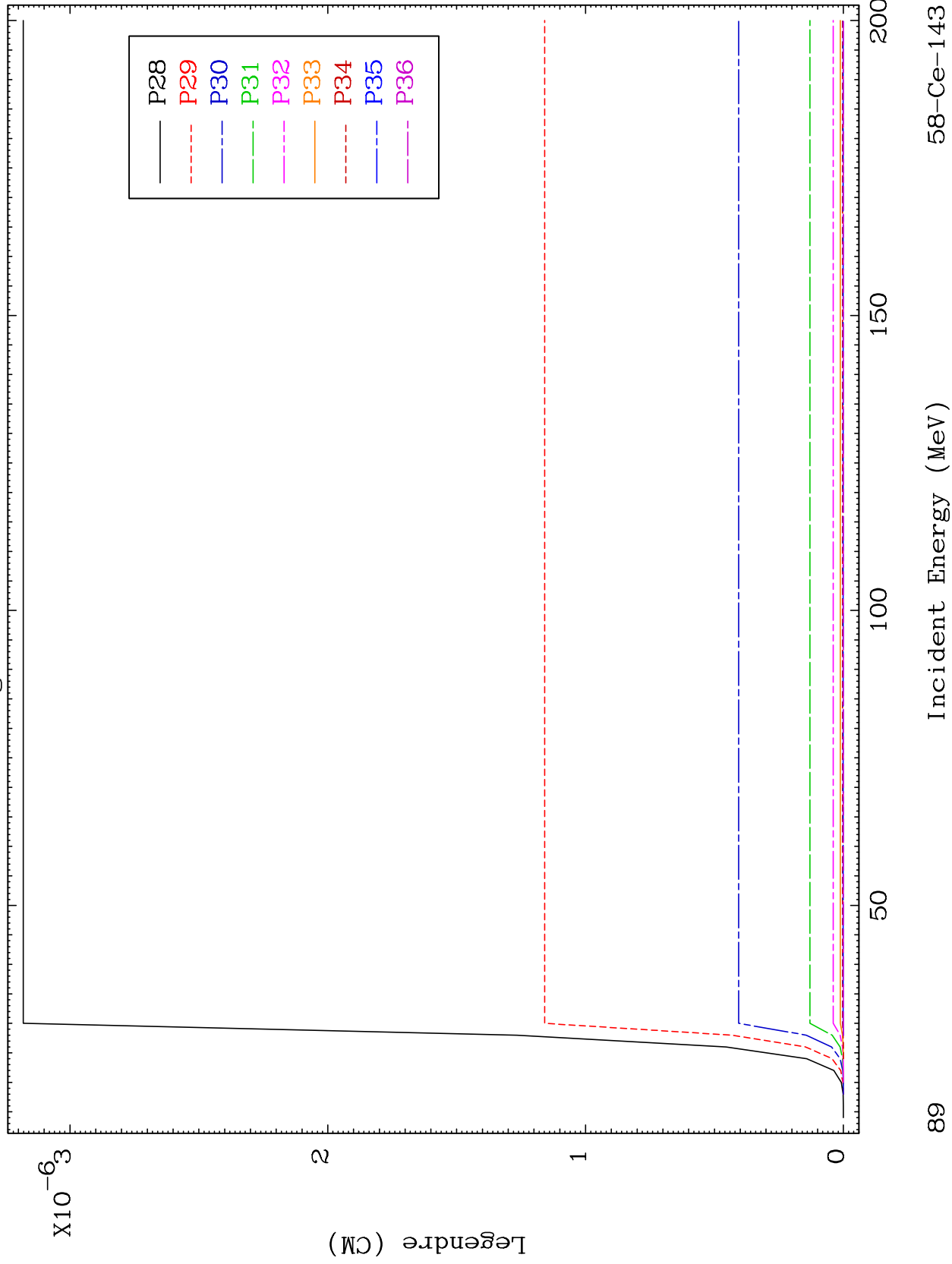
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143

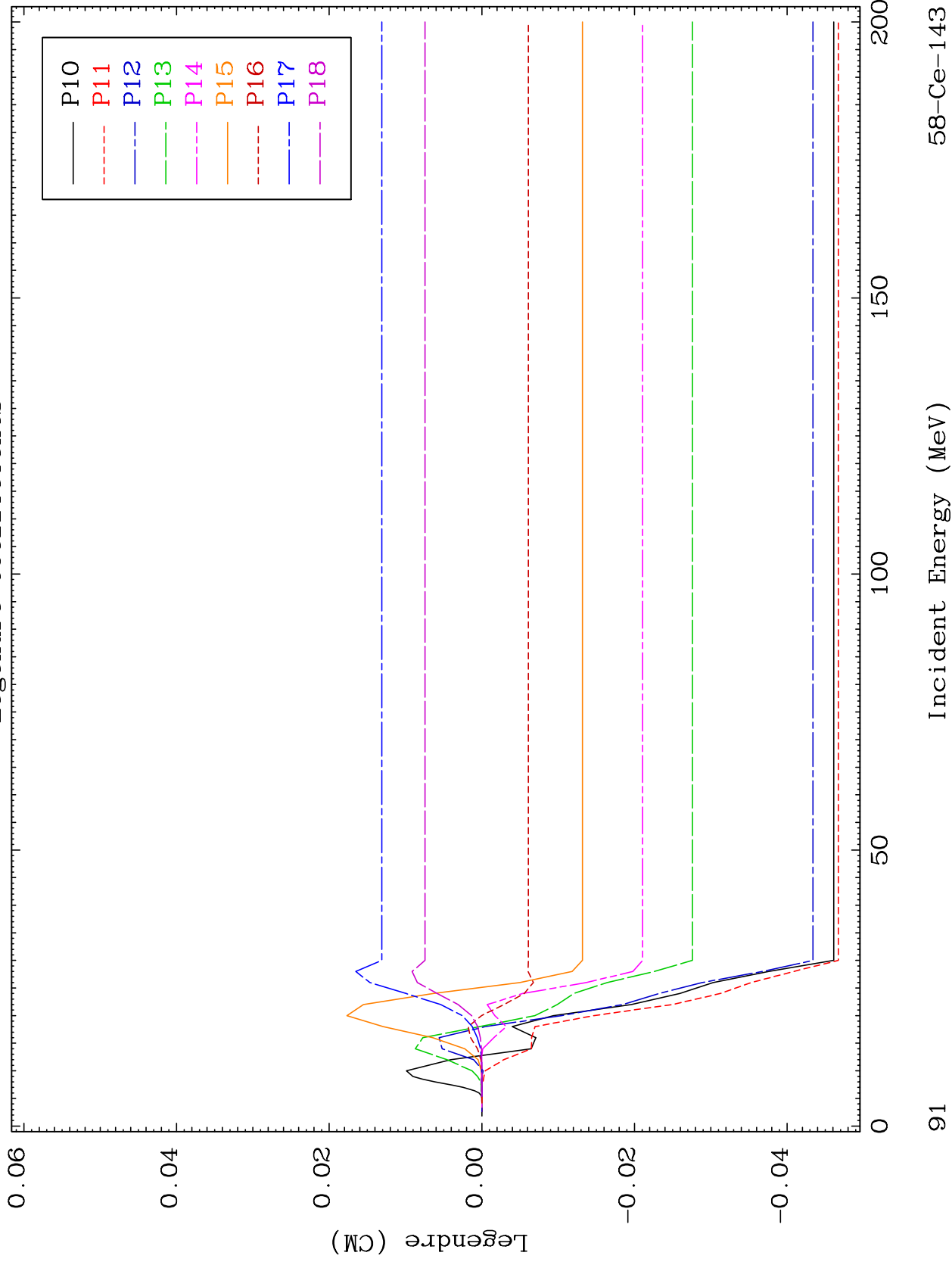


89

MAT 5846

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

58-Ce-143



58-Ce-143

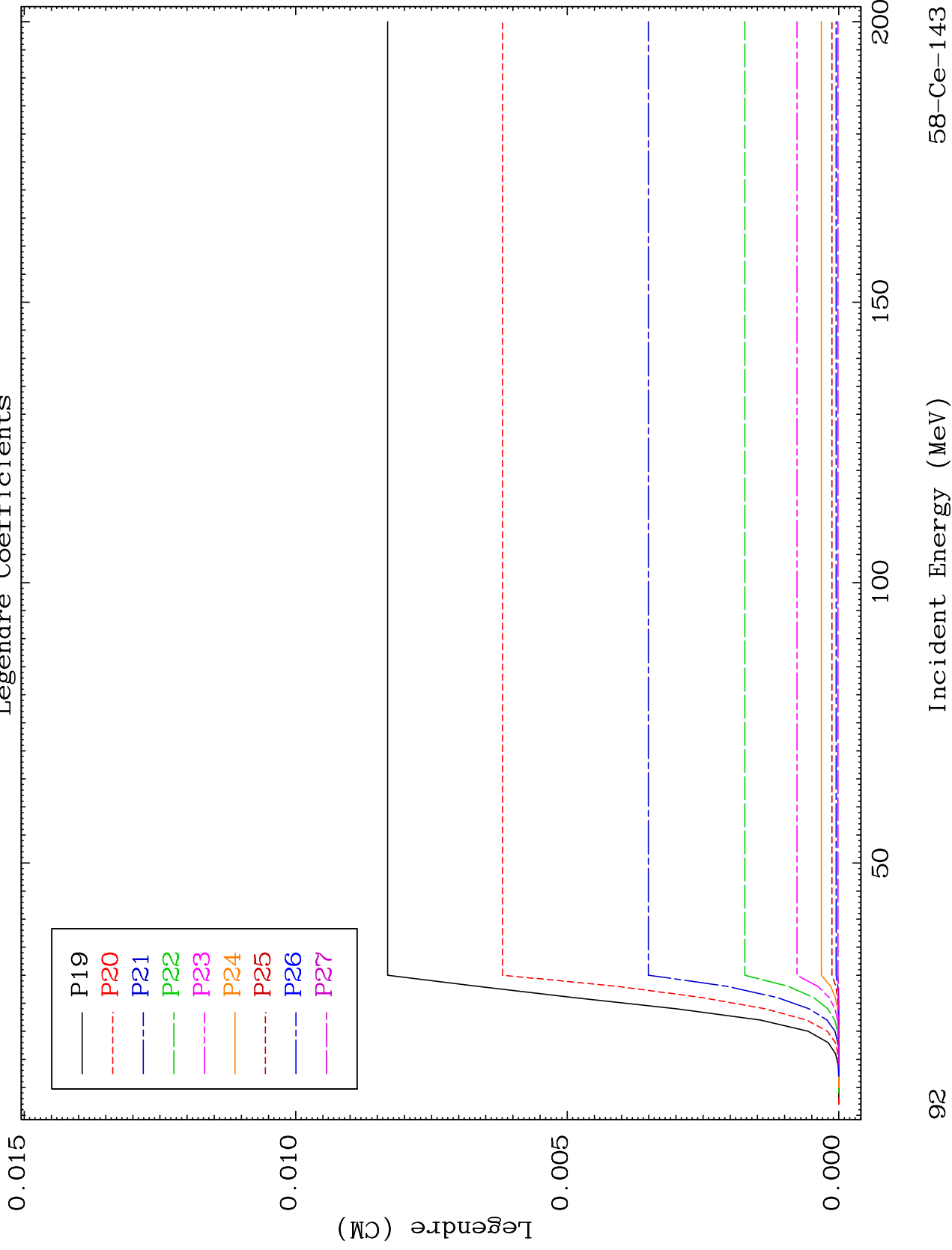
Incident Energy (MeV)

91

MAT 5846

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

58-Ce-143



92

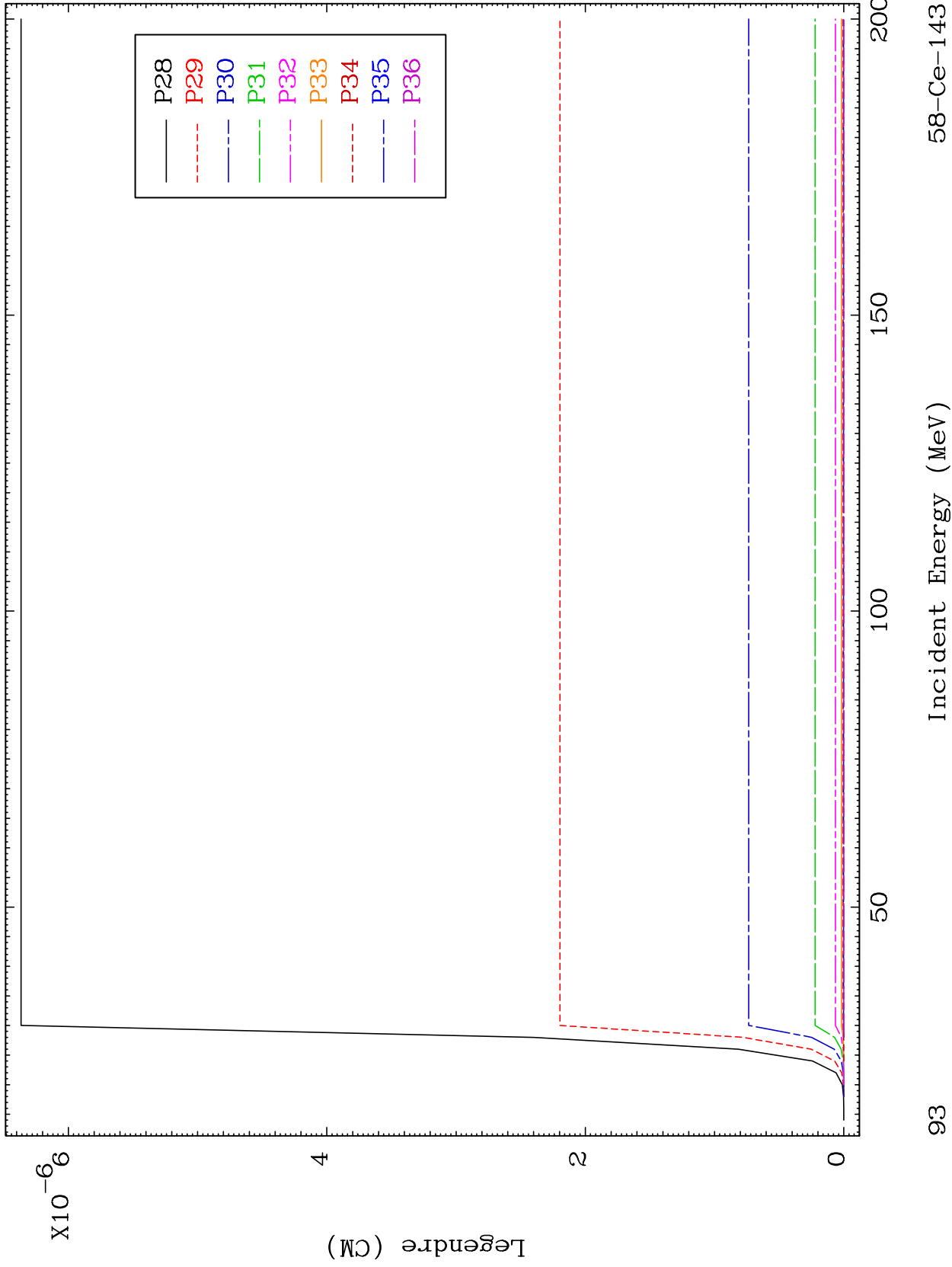
Incident Energy (MeV)

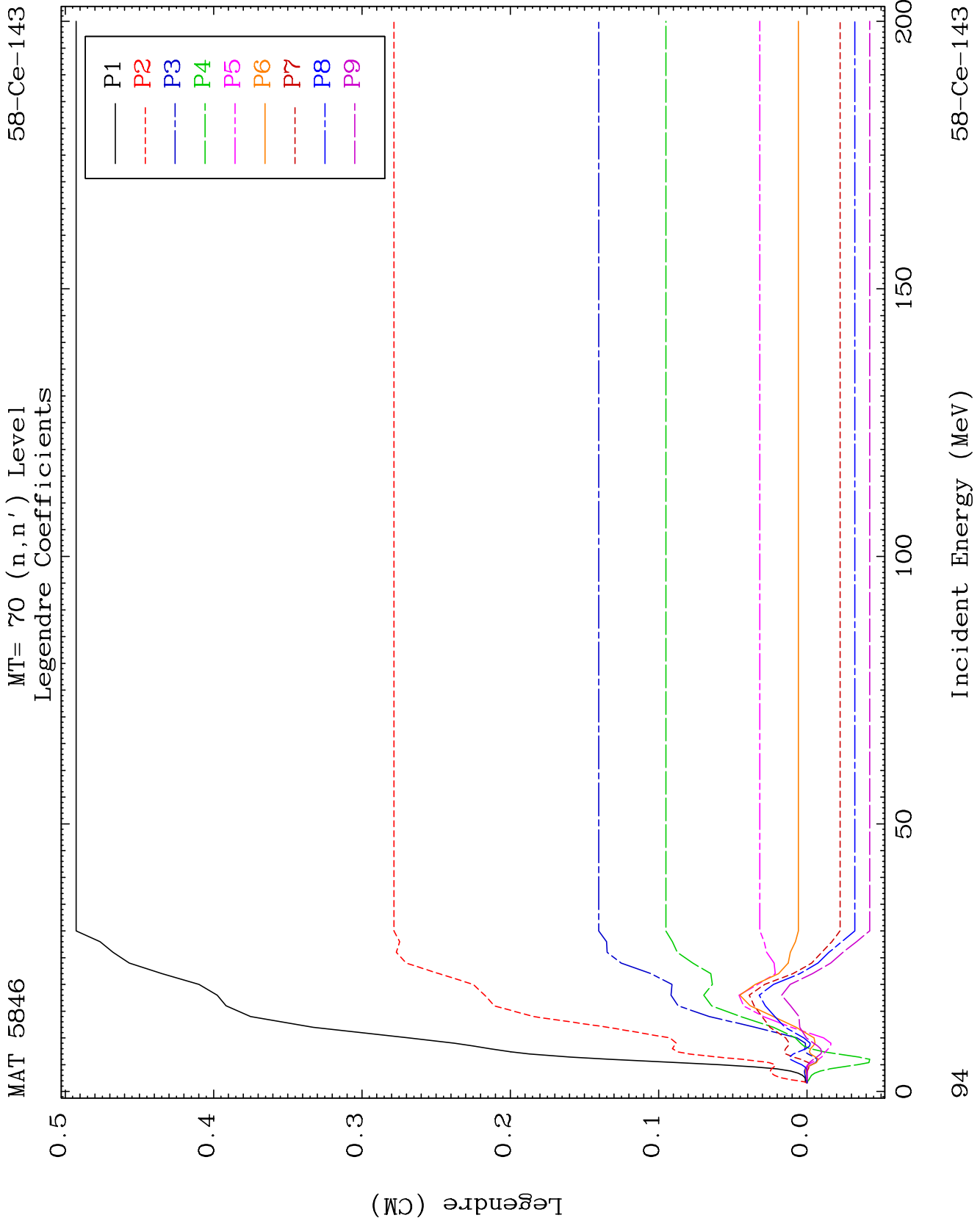
58-Ce-143

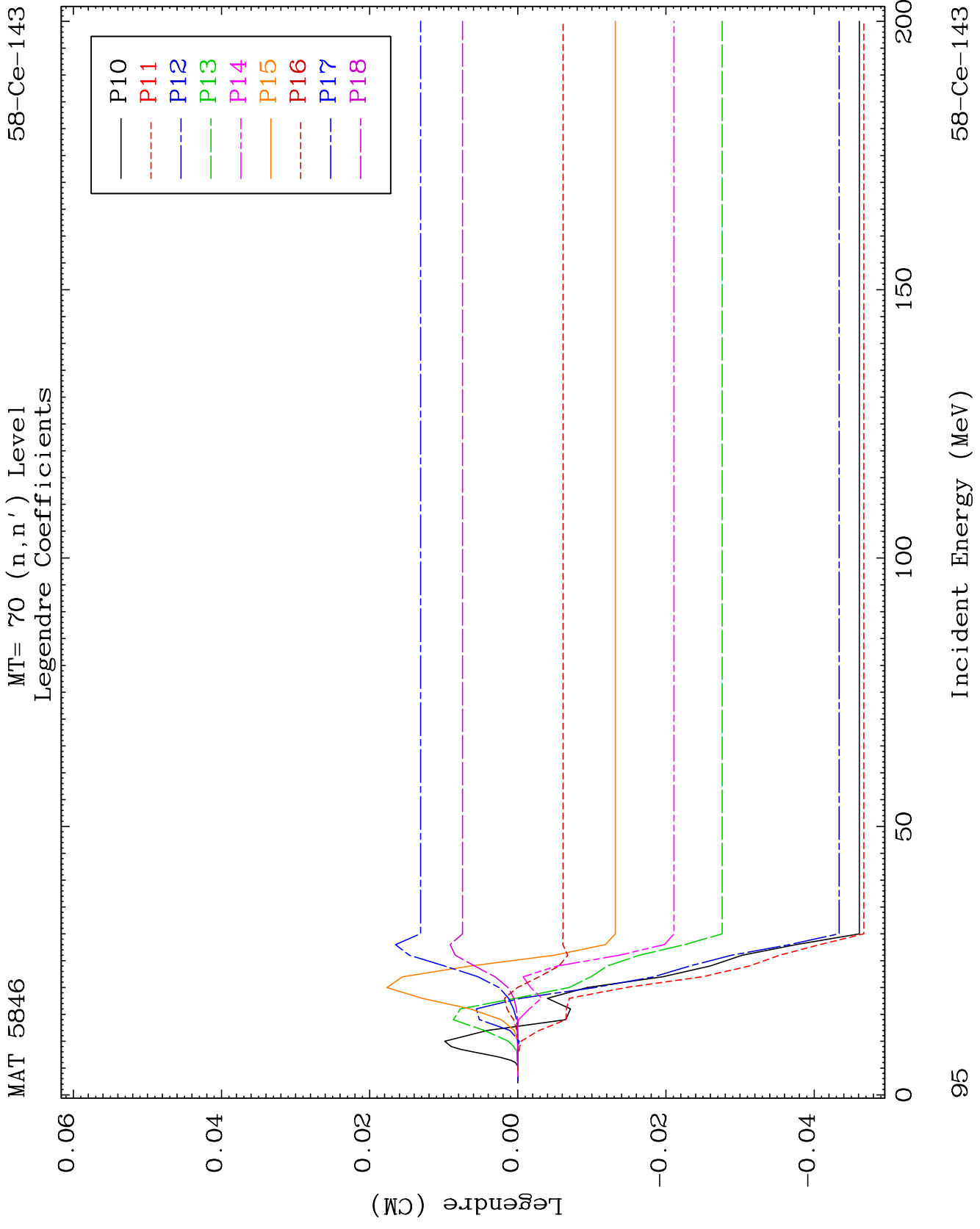
MAT 5846

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

58-Ce-143



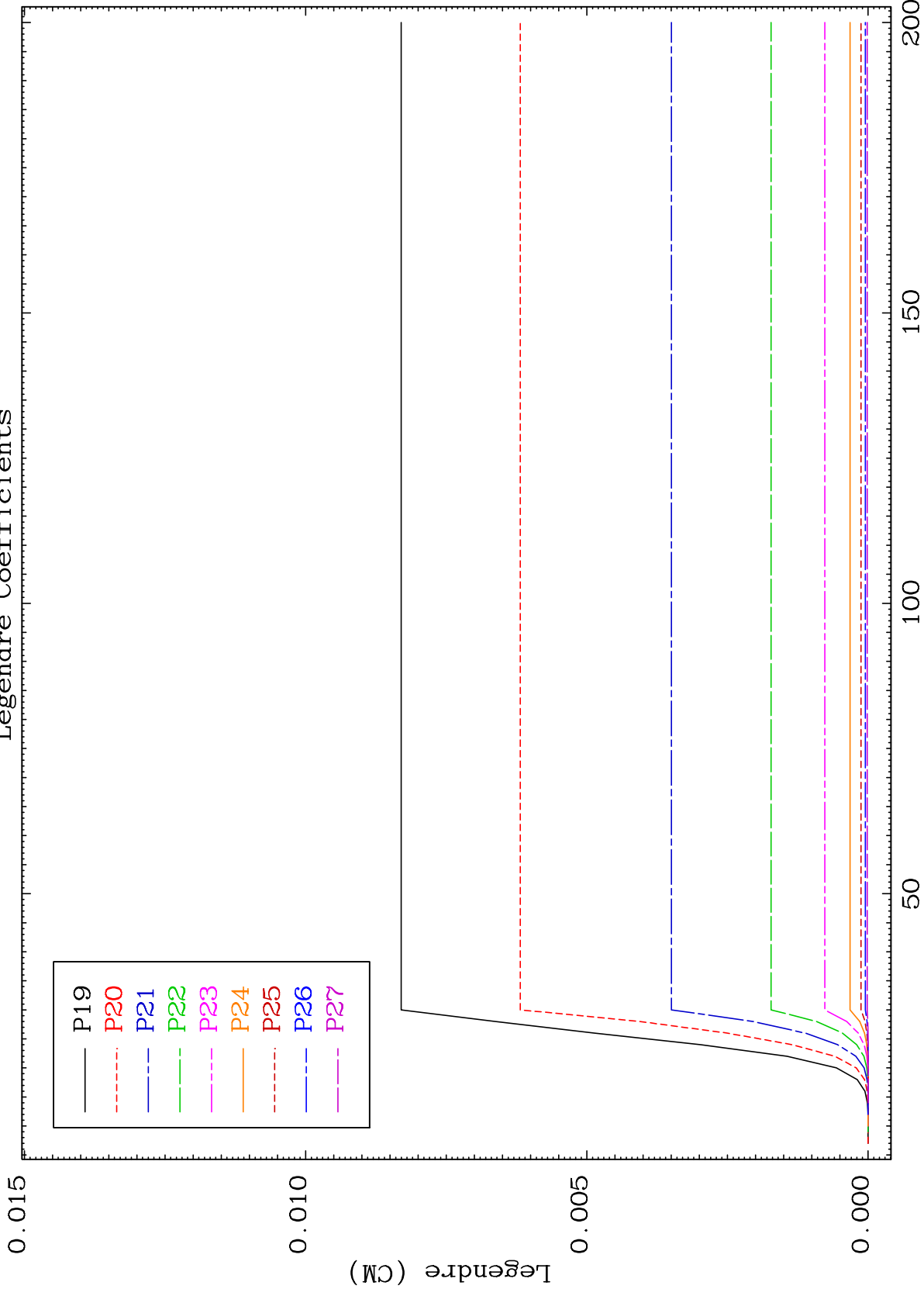




MAT 5846

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

58-Ce-143



96

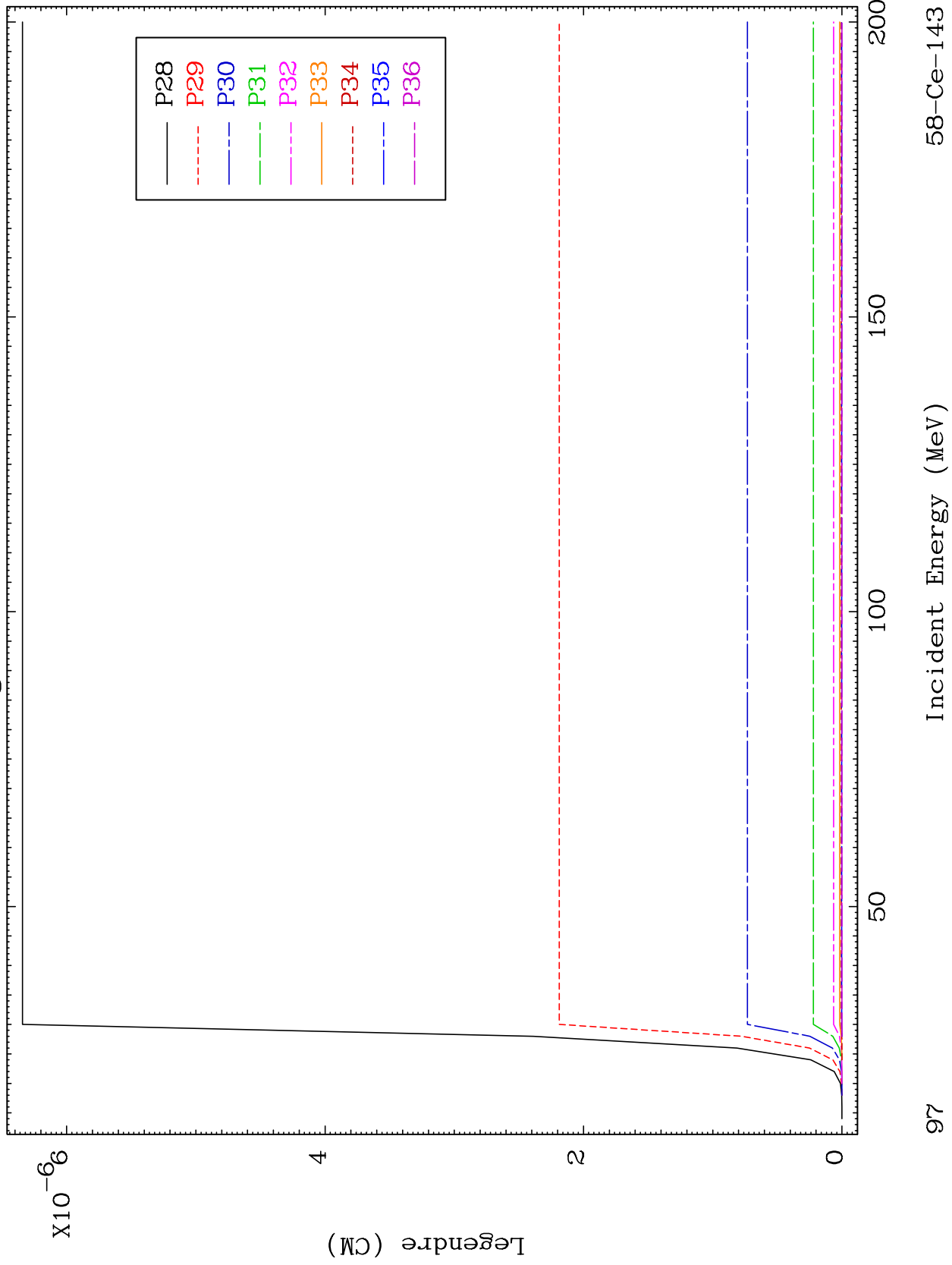
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

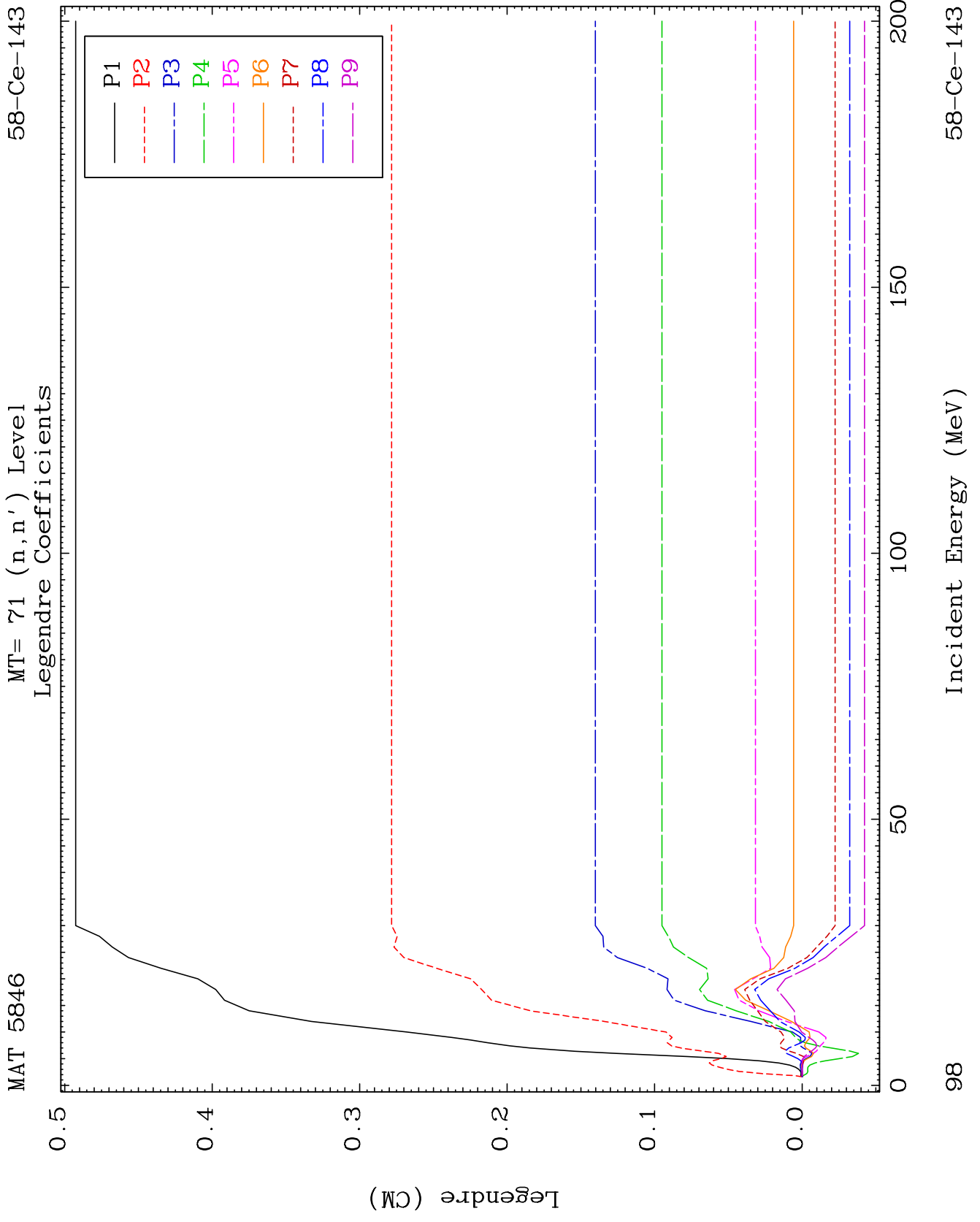
58-Ce-143



97

Incident Energy (MeV)

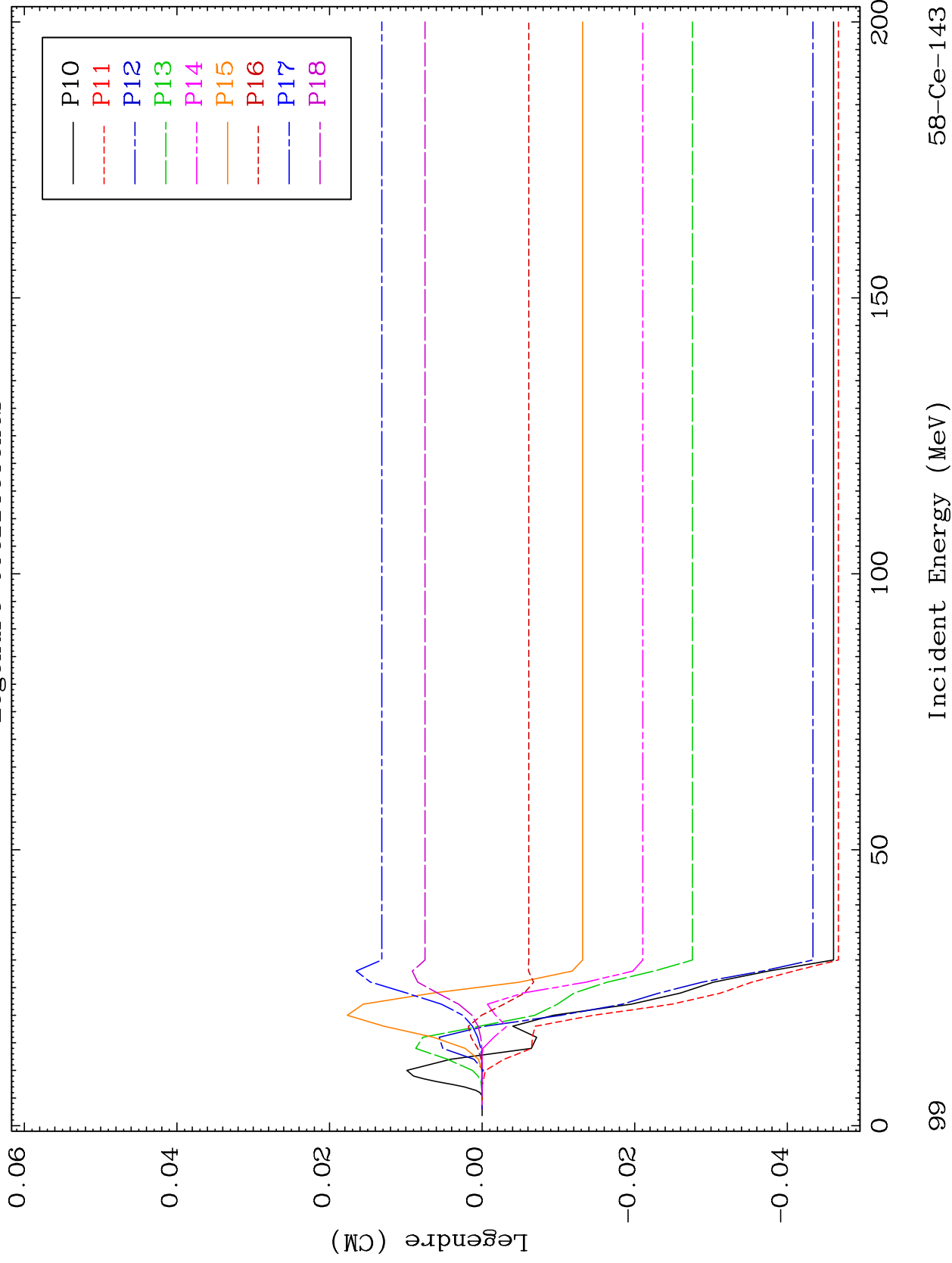
58-Ce-143



MAT 5846

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

58-Ce-143



58-Ce-143

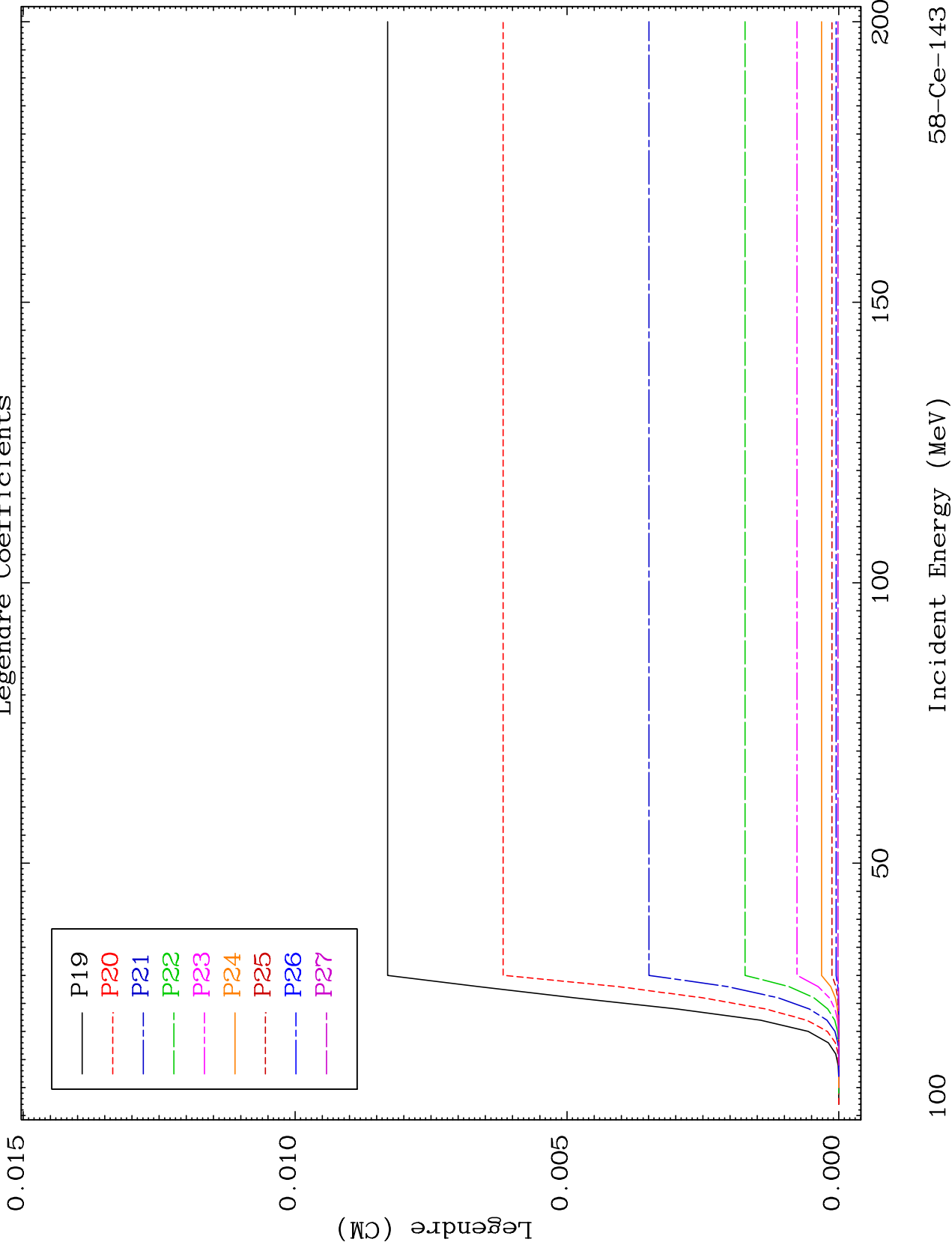
Incident Energy (MeV)

99

MAT 5846

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

58-Ce-143



58-Ce-143

Incident Energy (MeV)

100

50

100

150

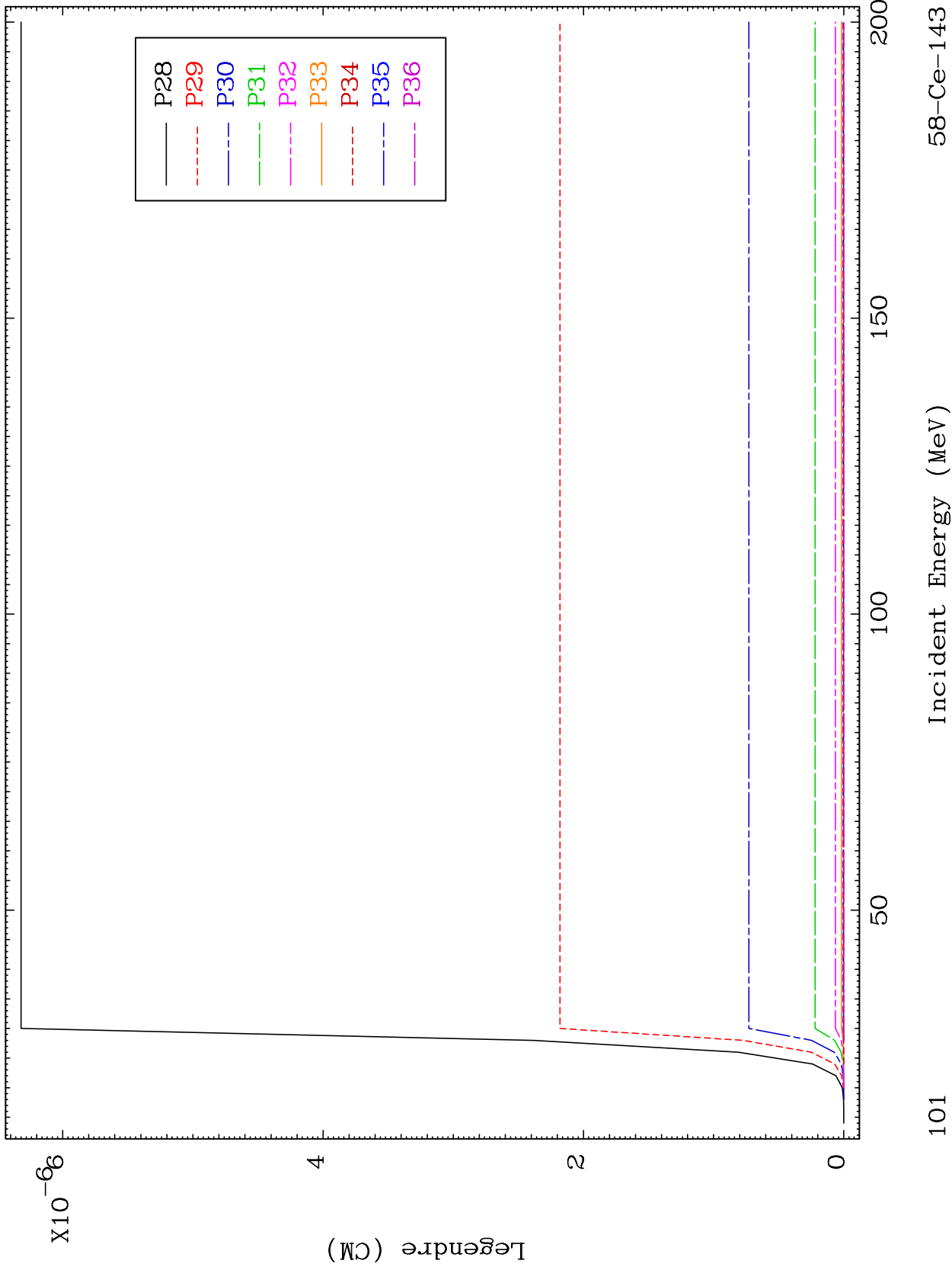
200

Legendre (CM)

MAT 5846

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

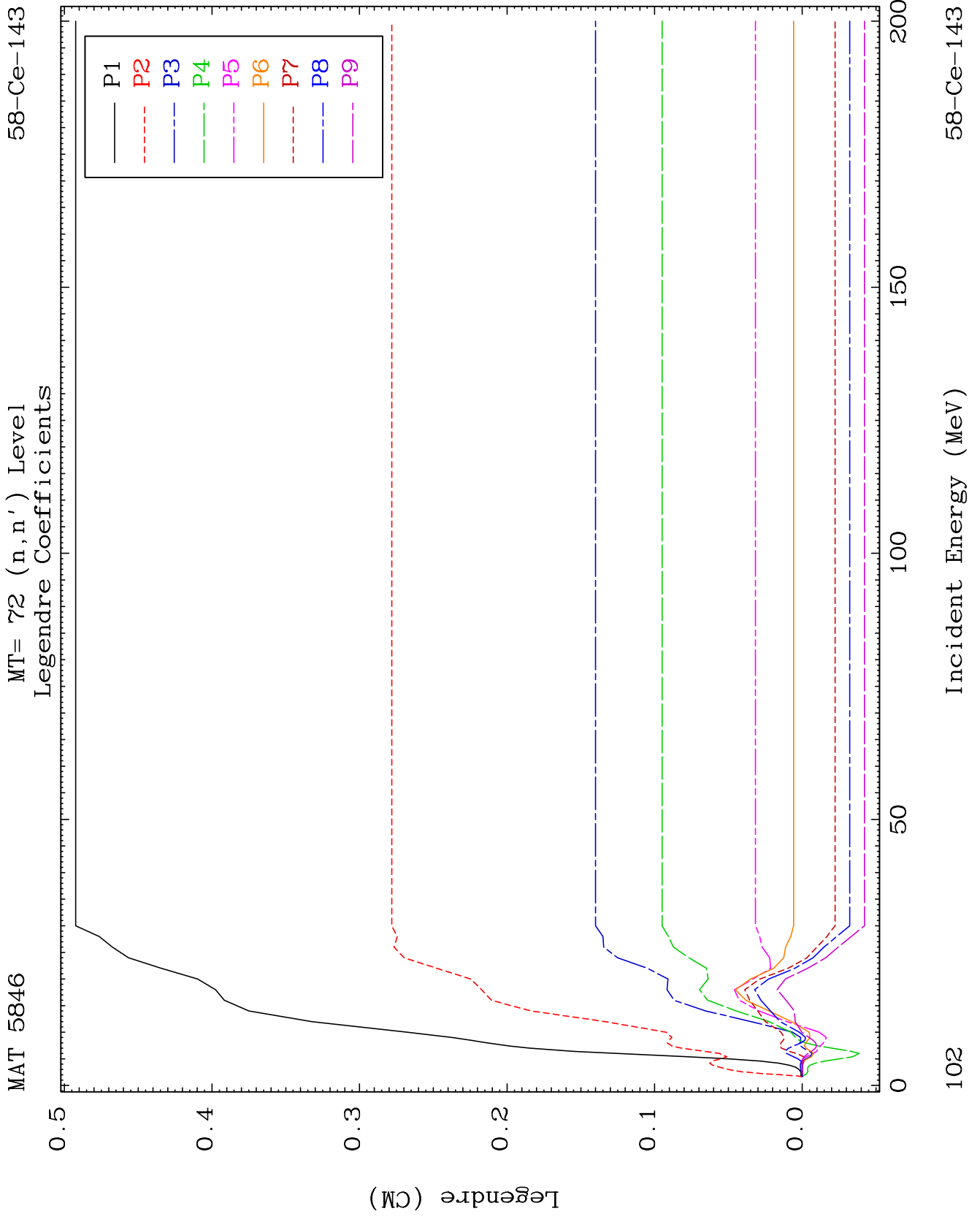
58-Ce-143



101

Incident Energy (MeV)

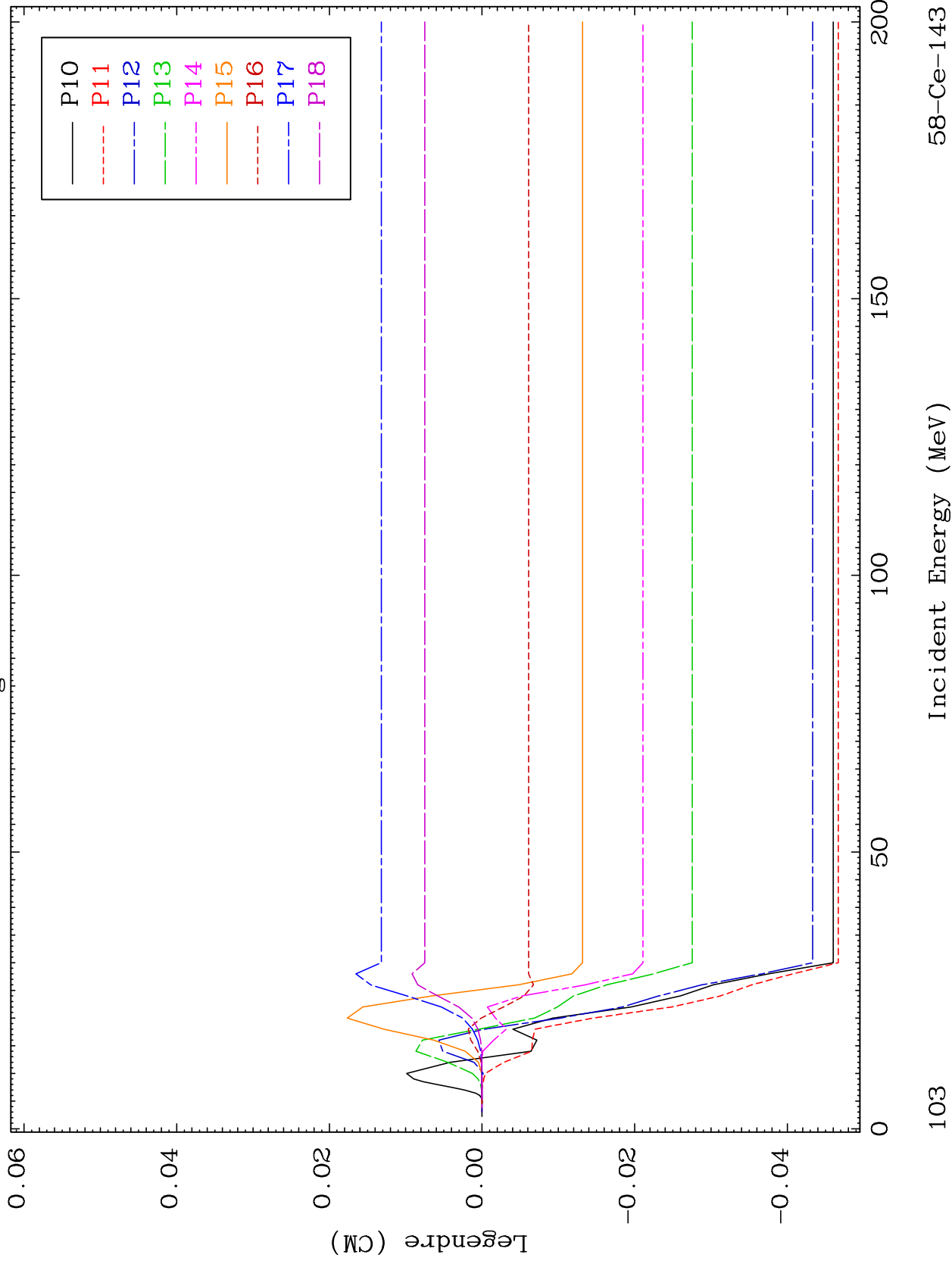
58-Ce-143



MAT 5846

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

58-Ce-143



58-Ce-143

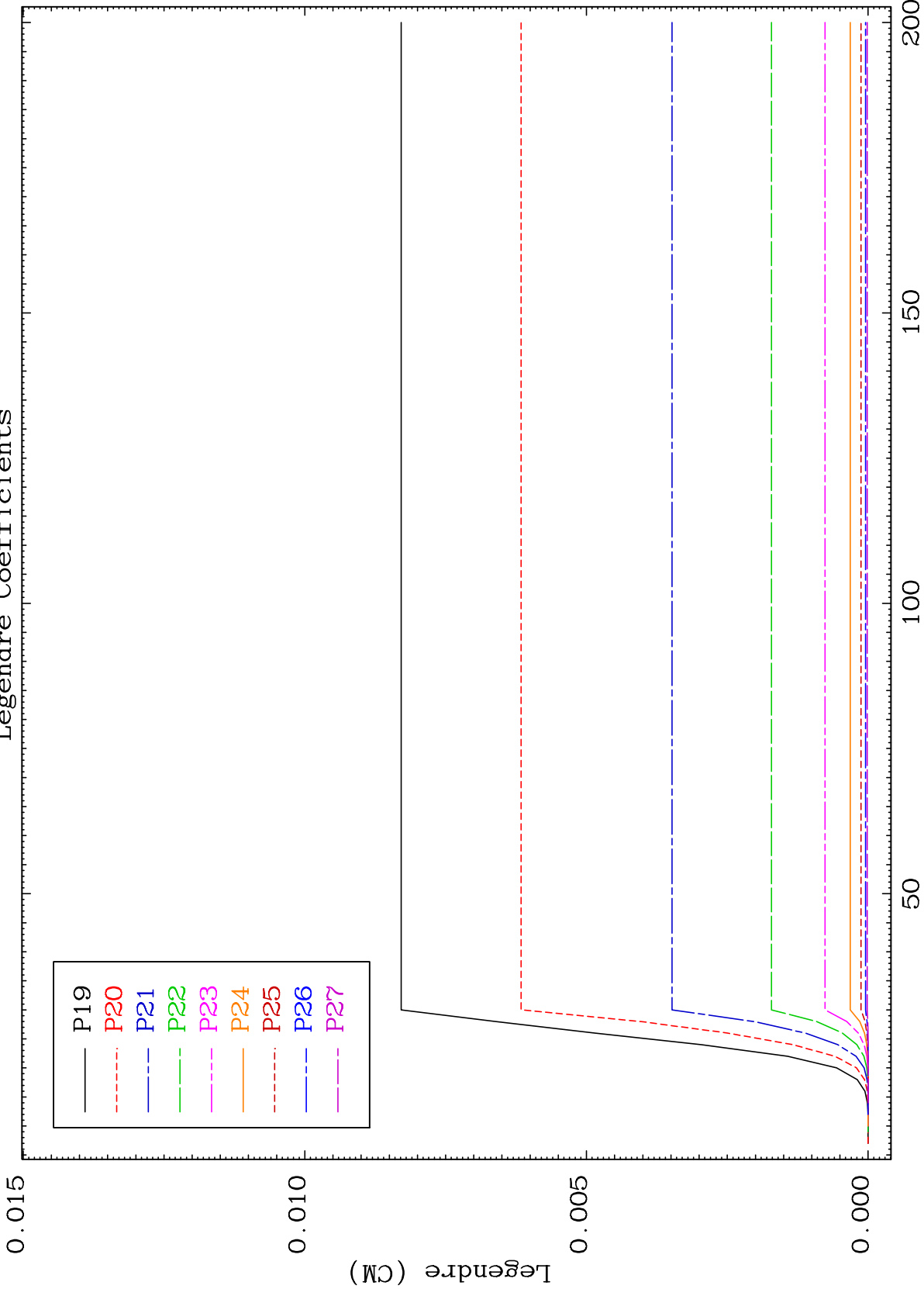
Incident Energy (MeV)

103

MAT 5846

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

58-Ce-143



104

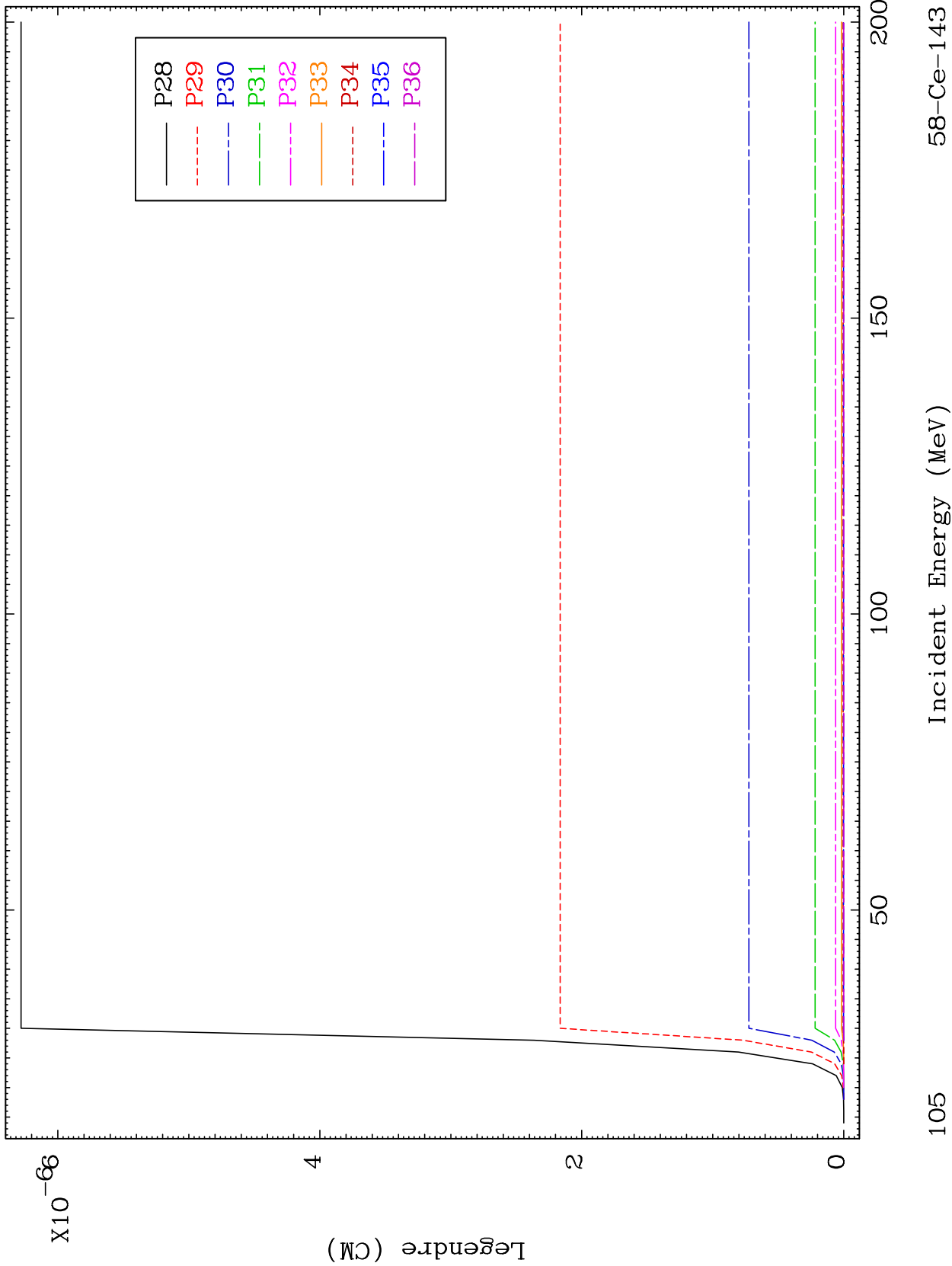
Incident Energy (MeV)

58-Ce-143

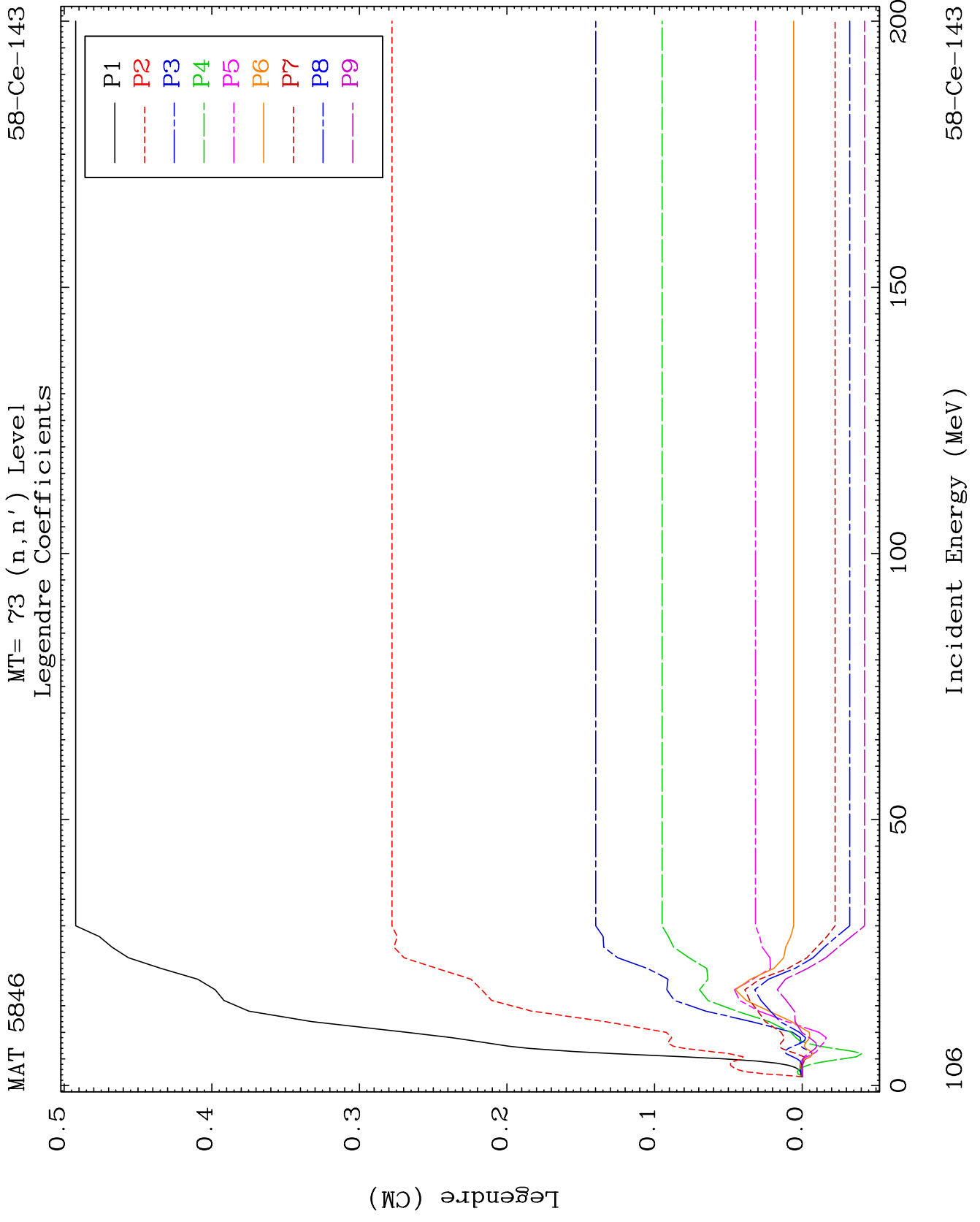
MAT 5846

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

58-Ce-143



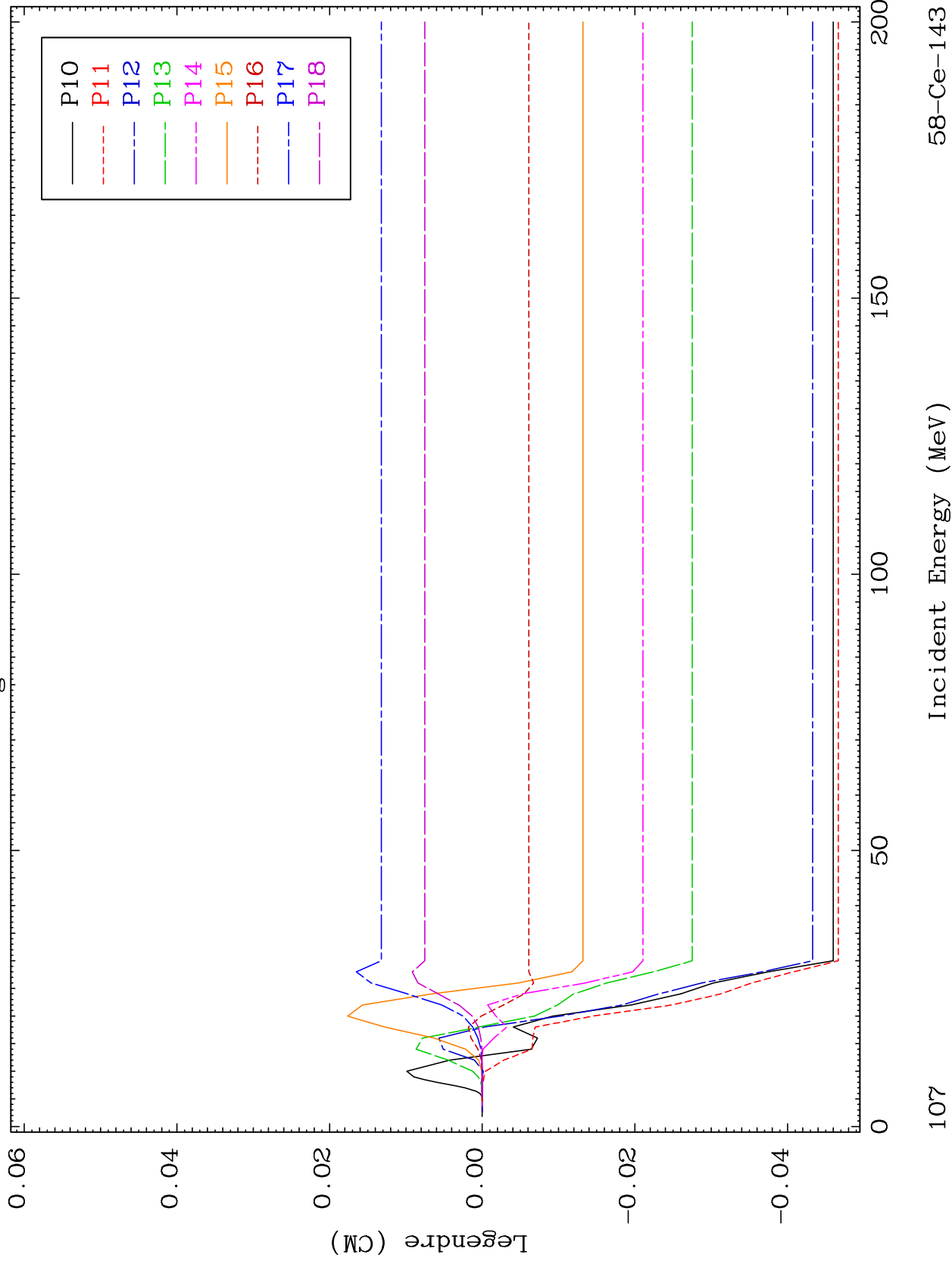
58-Ce-143



MAT 5846

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

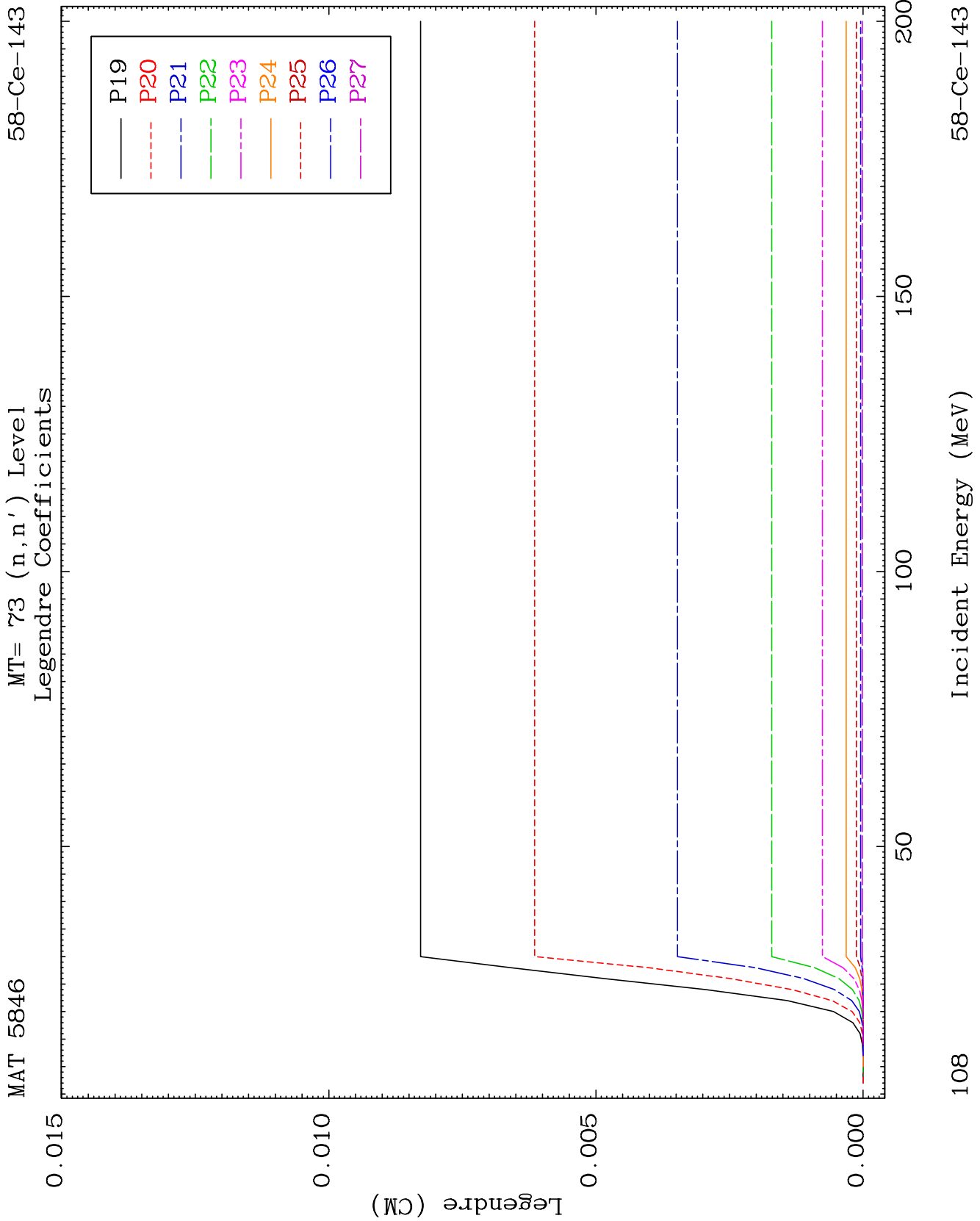
58-Ce-143



58-Ce-143

Incident Energy (MeV)

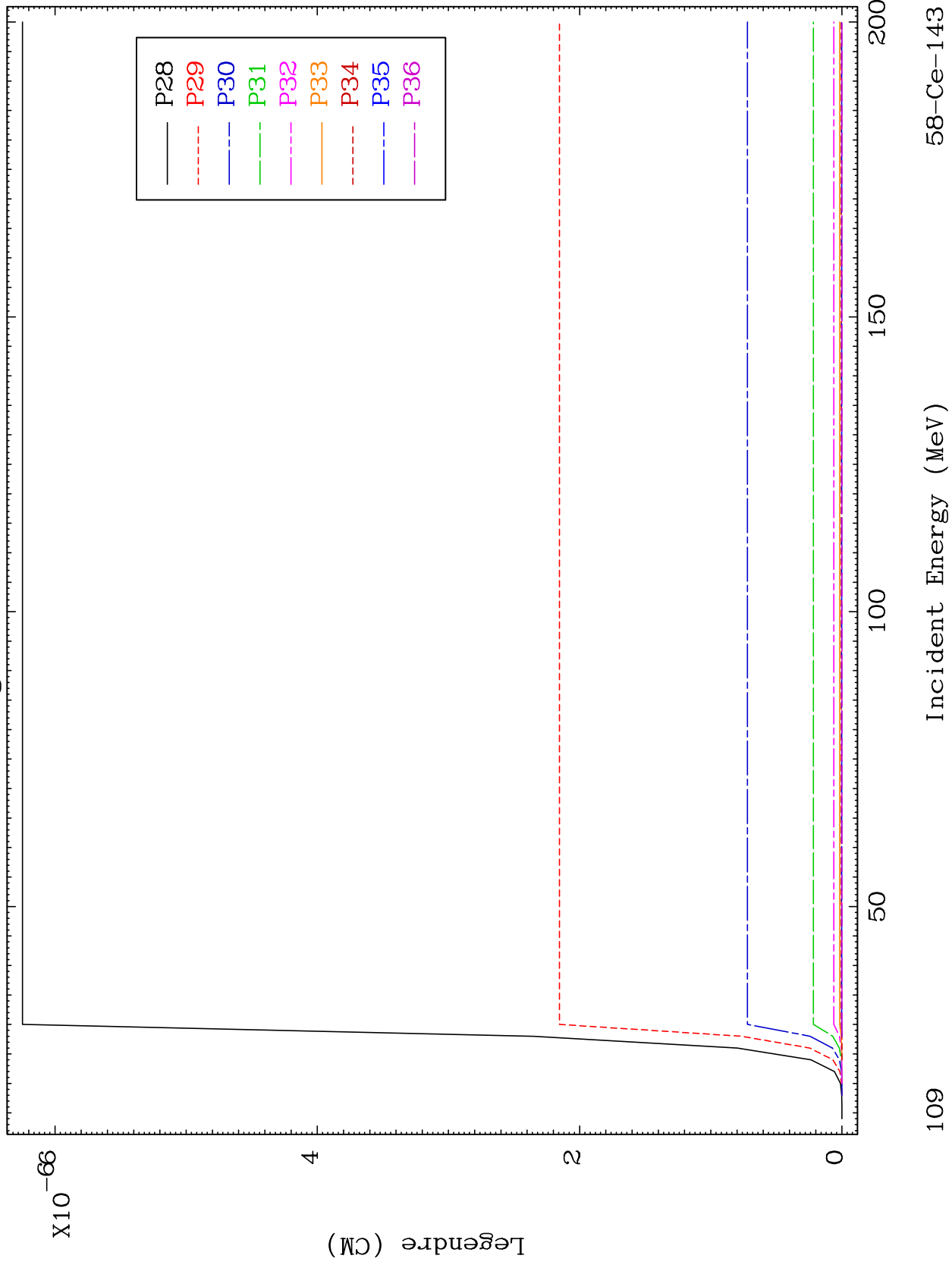
107

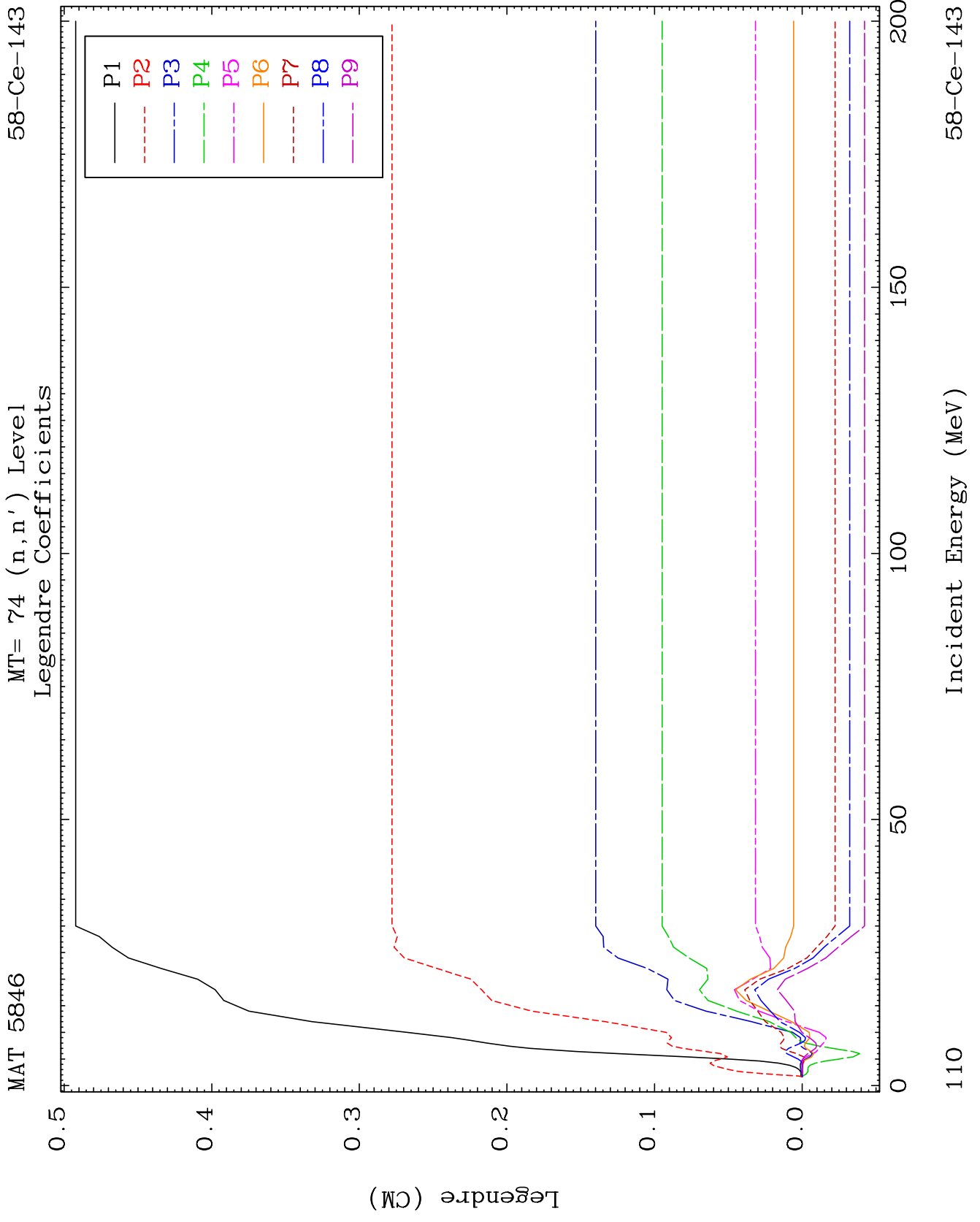


MAT 5846

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

58-Ce-143

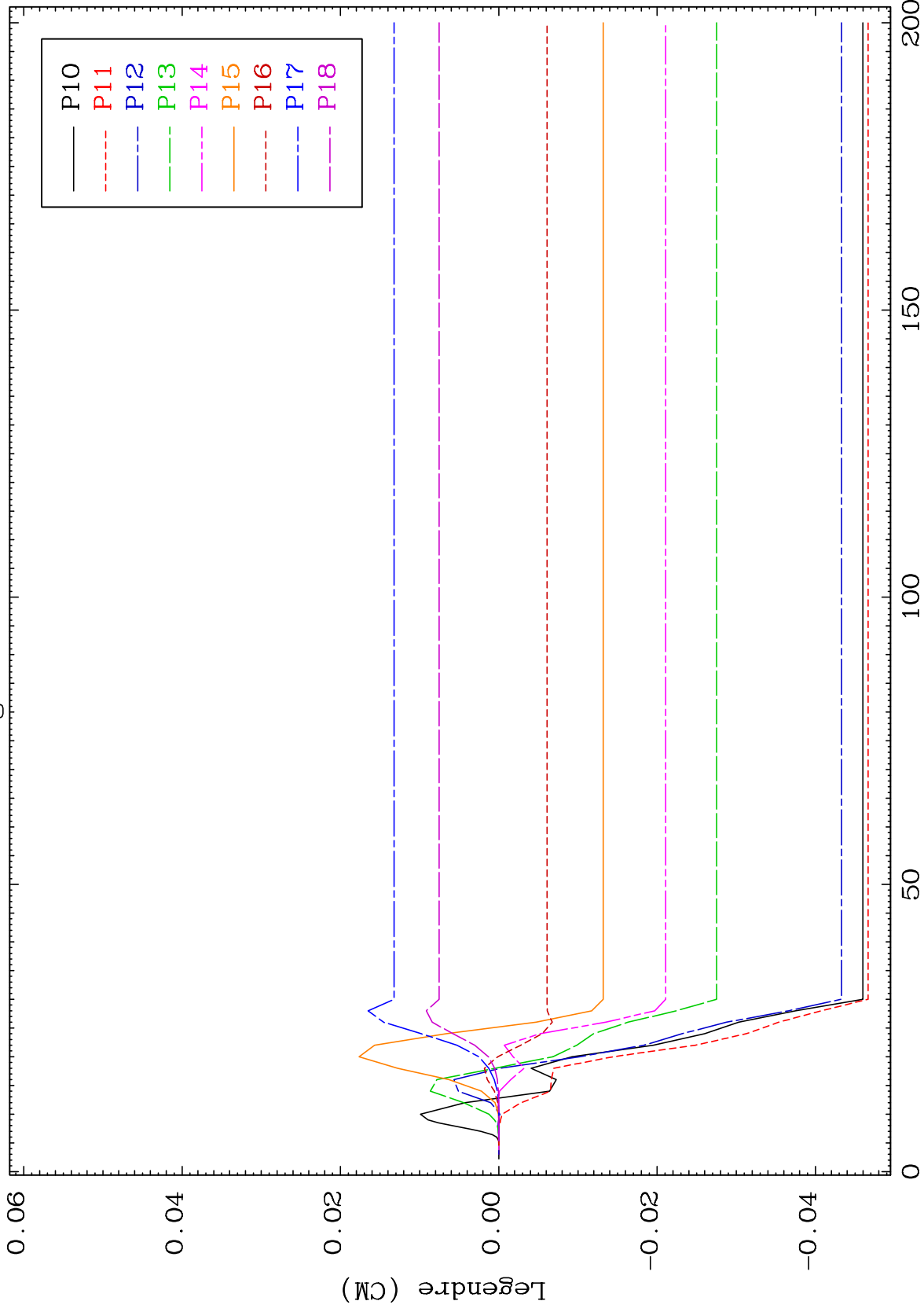




MAT 5846

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

58-Ce-143



111

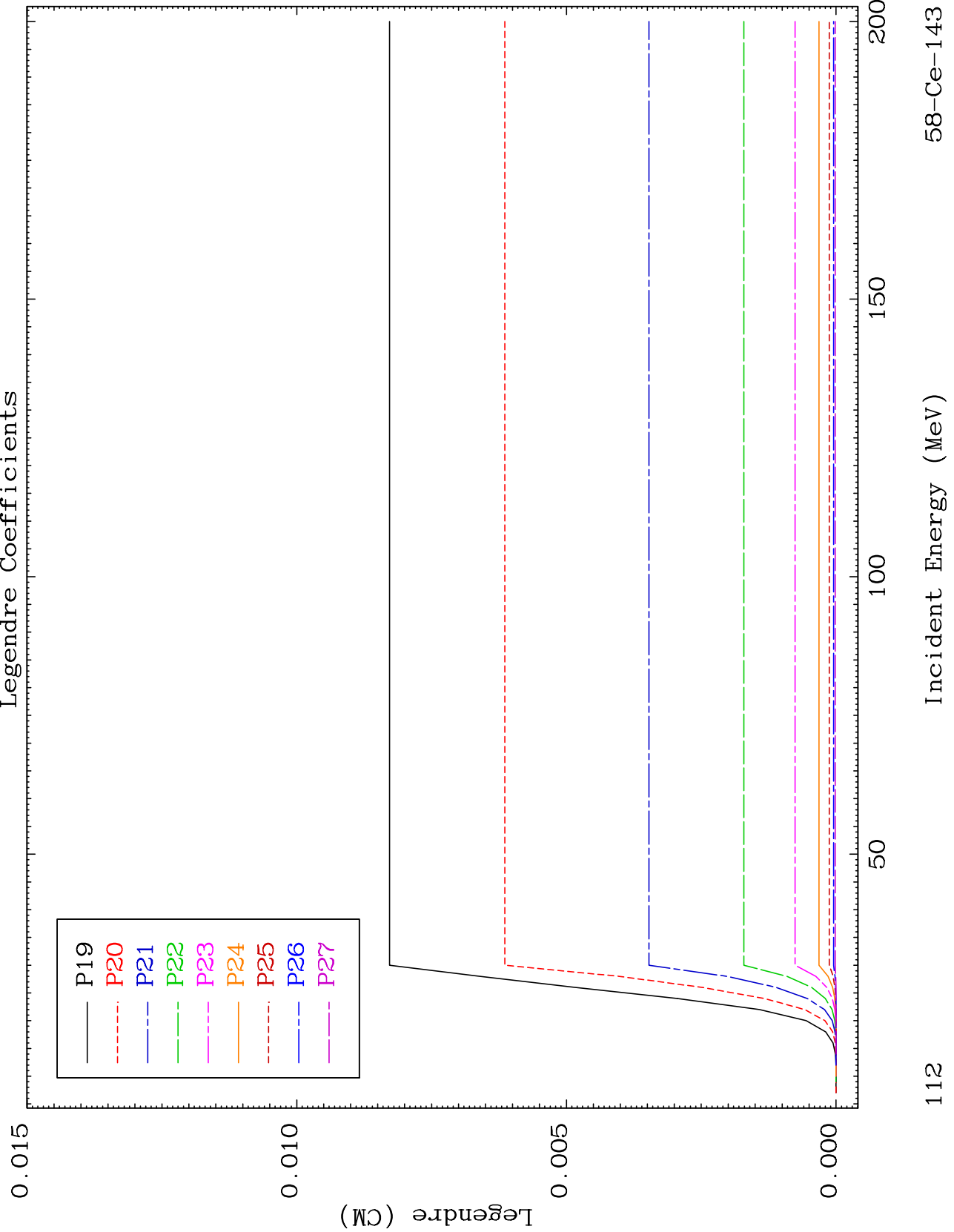
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143



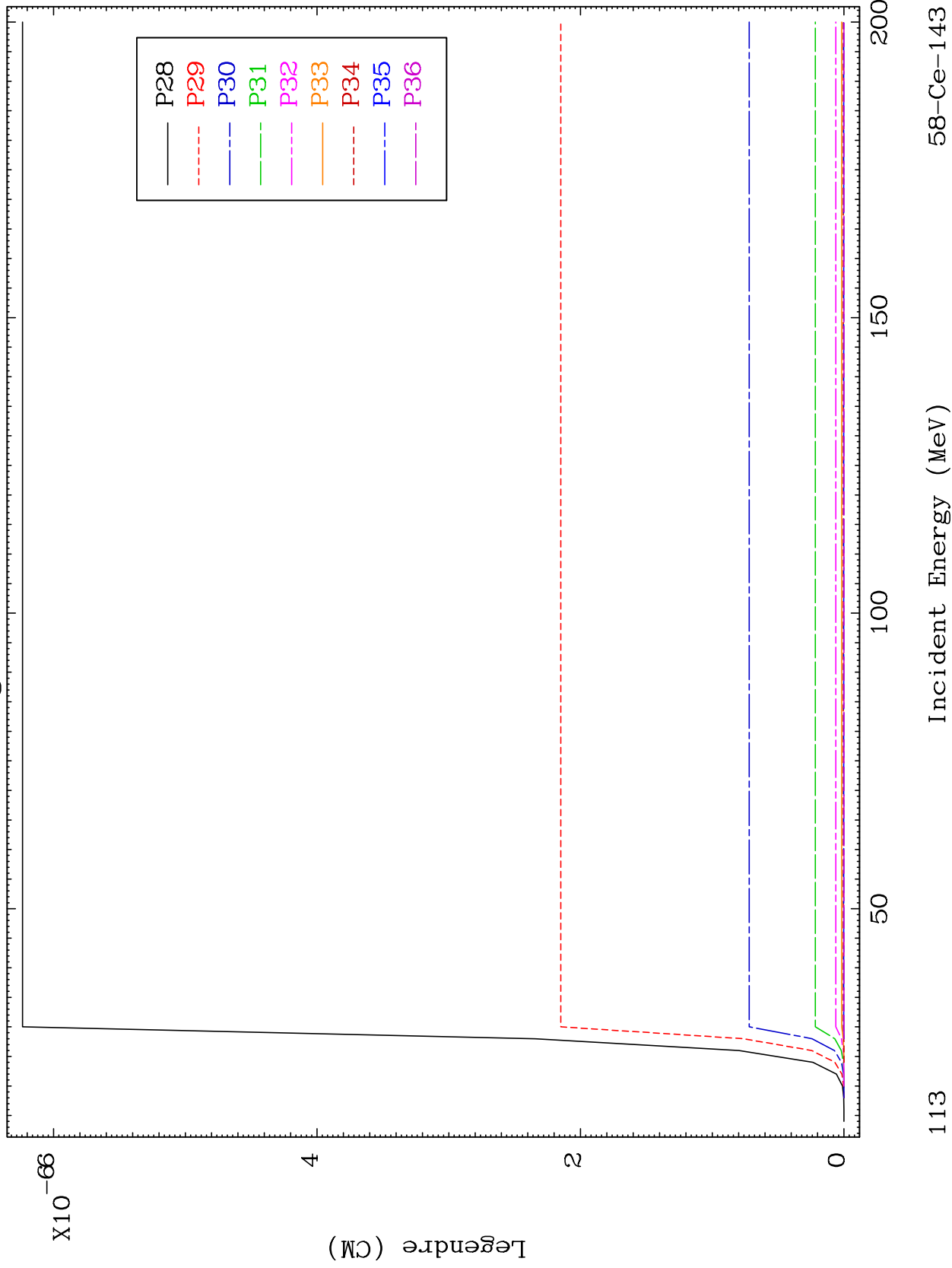
112

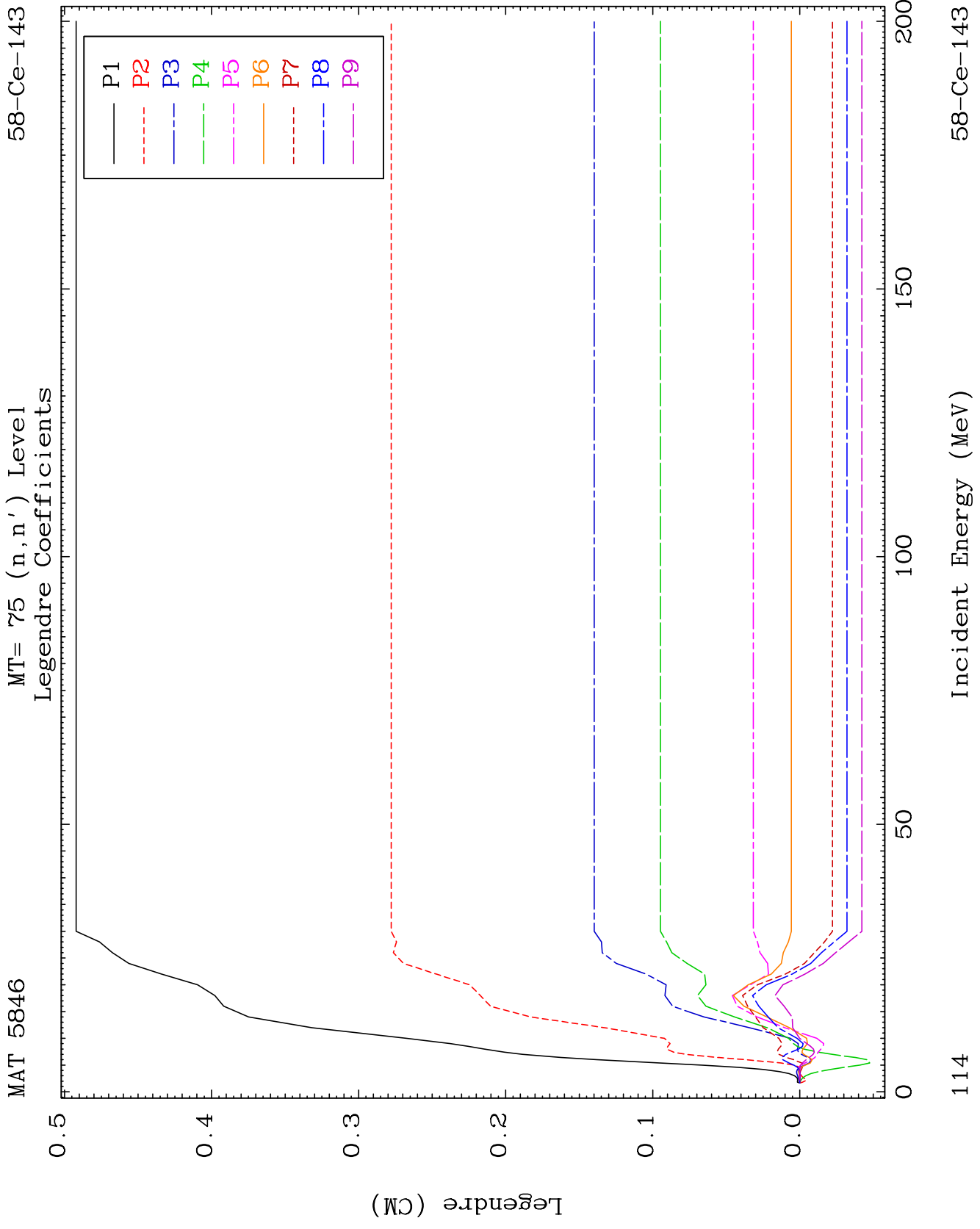
58-Ce-143

MAT 5846

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

58-Ce-143

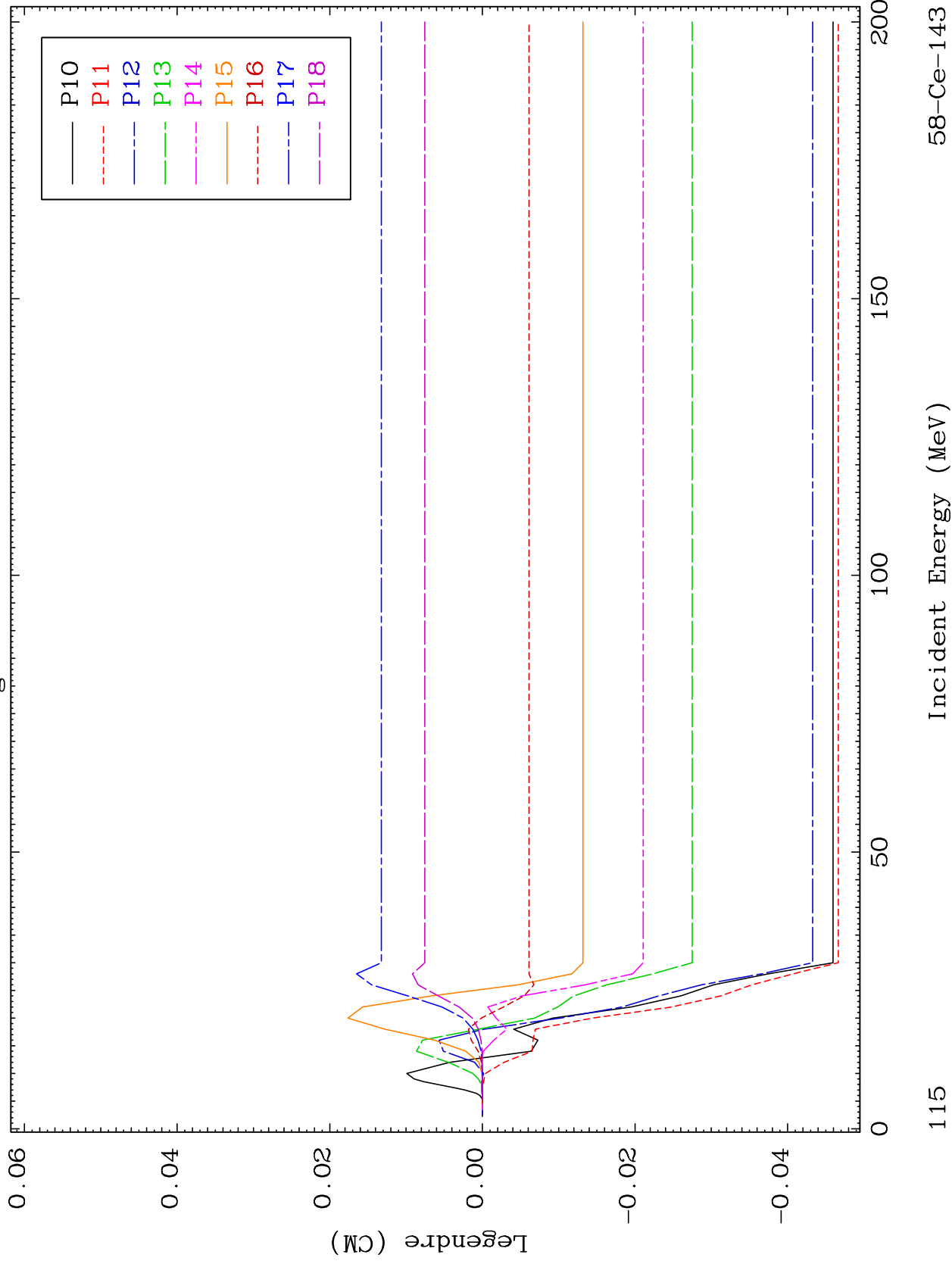




MAT 5846

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

58-Ce-143



58-Ce-143

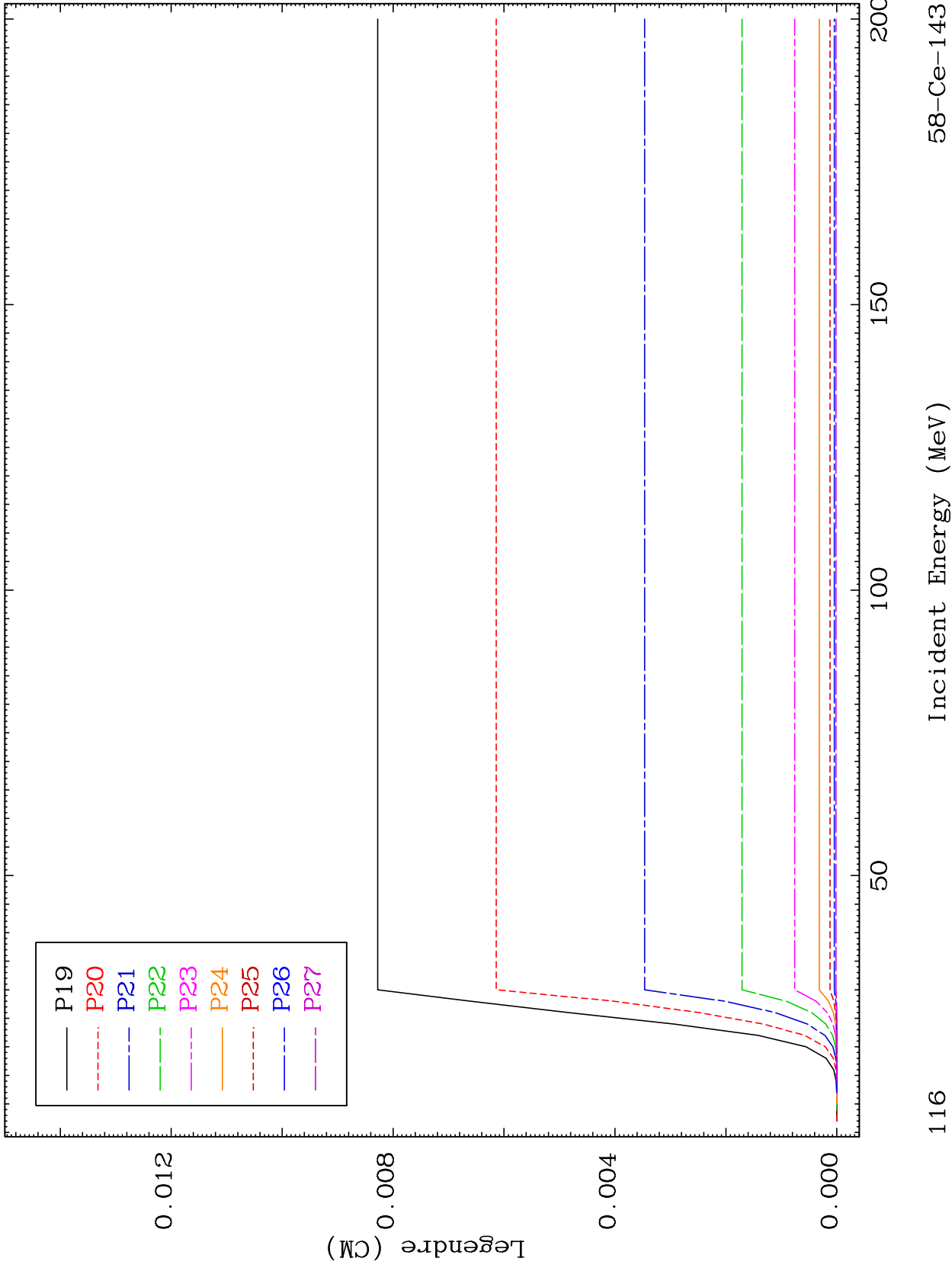
Incident Energy (MeV)

115

MAT 5846

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

58-Ce-143



116

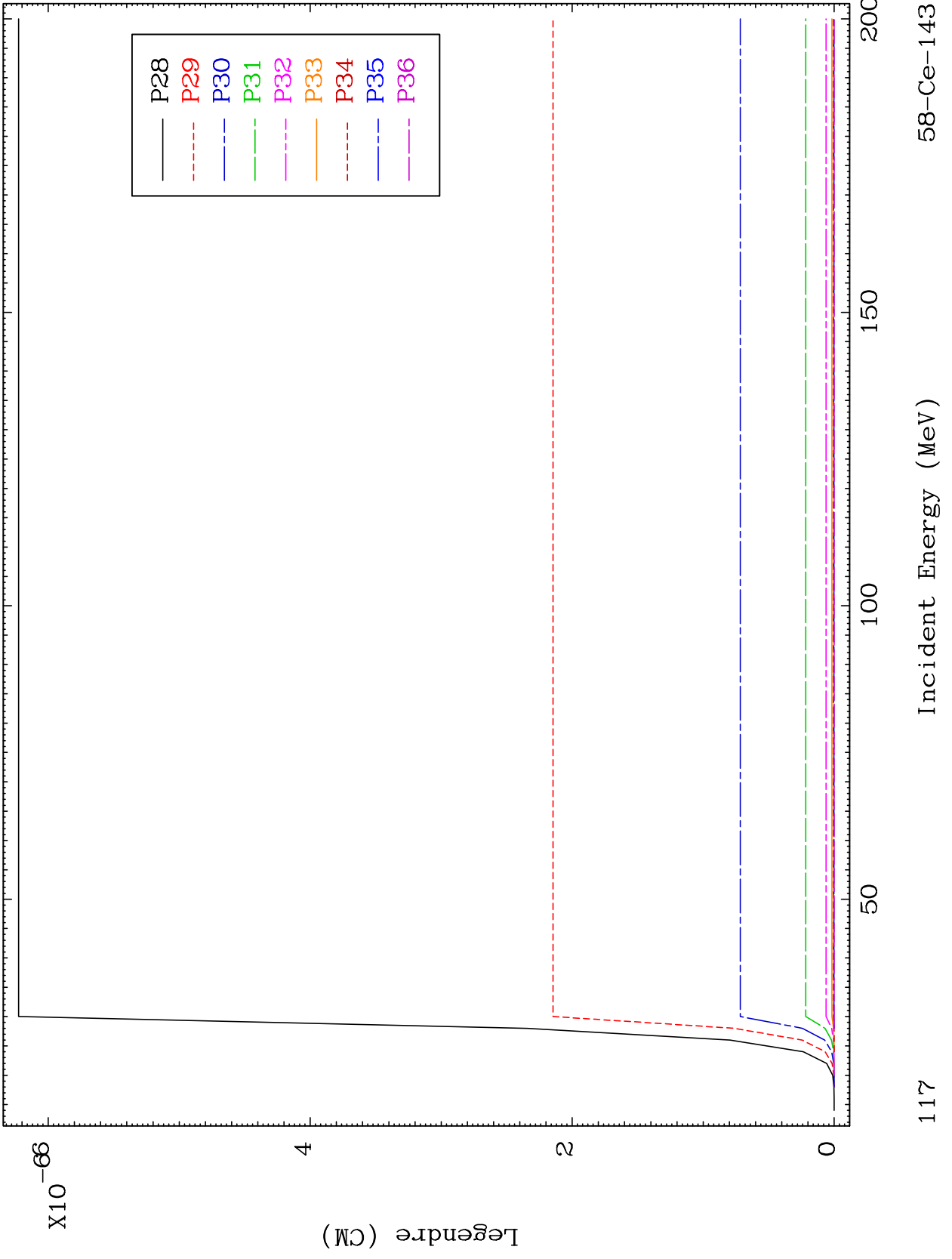
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

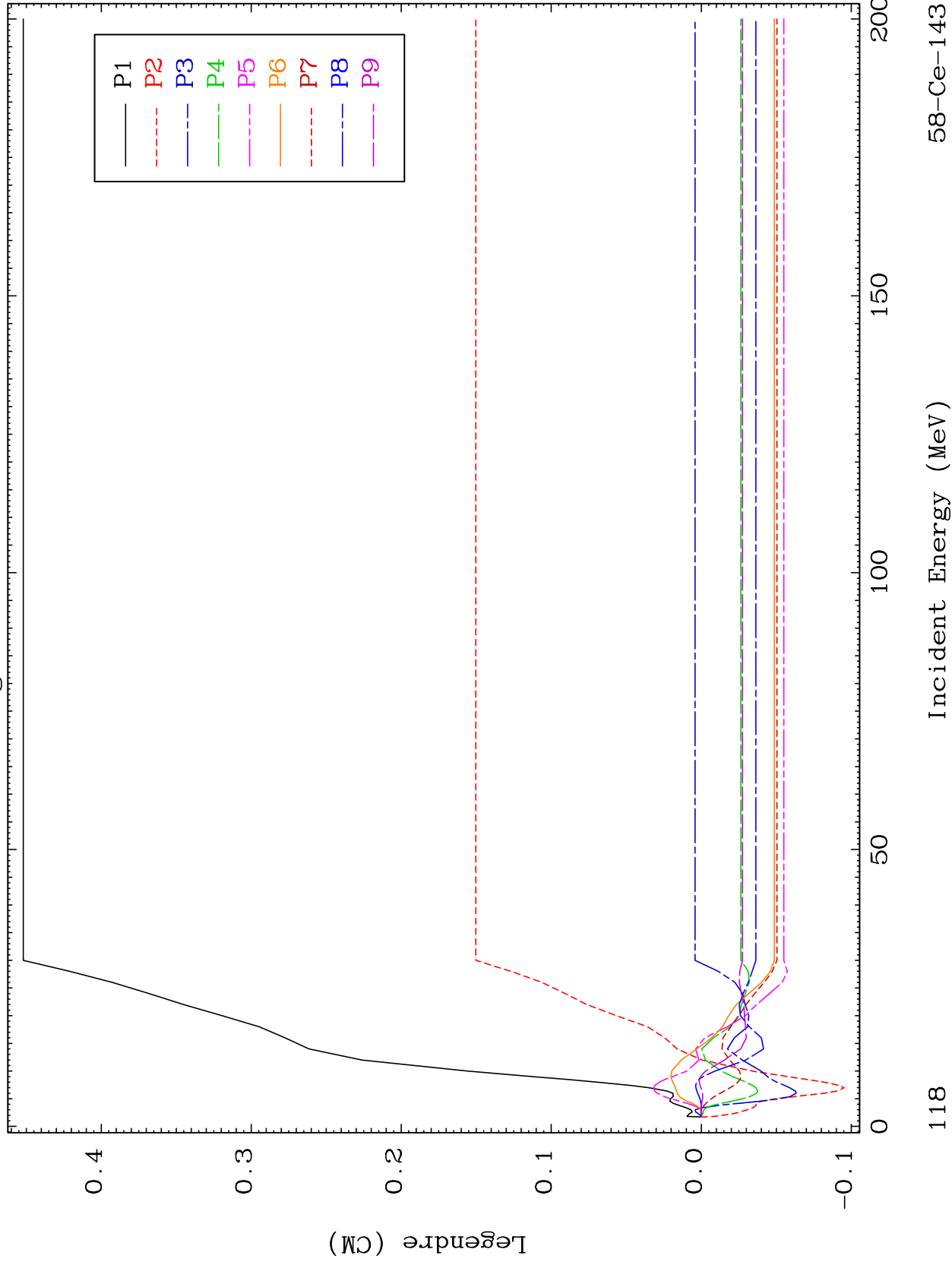
58-Ce-143



MAT 5846

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

58-Ce-143



58-Ce-143

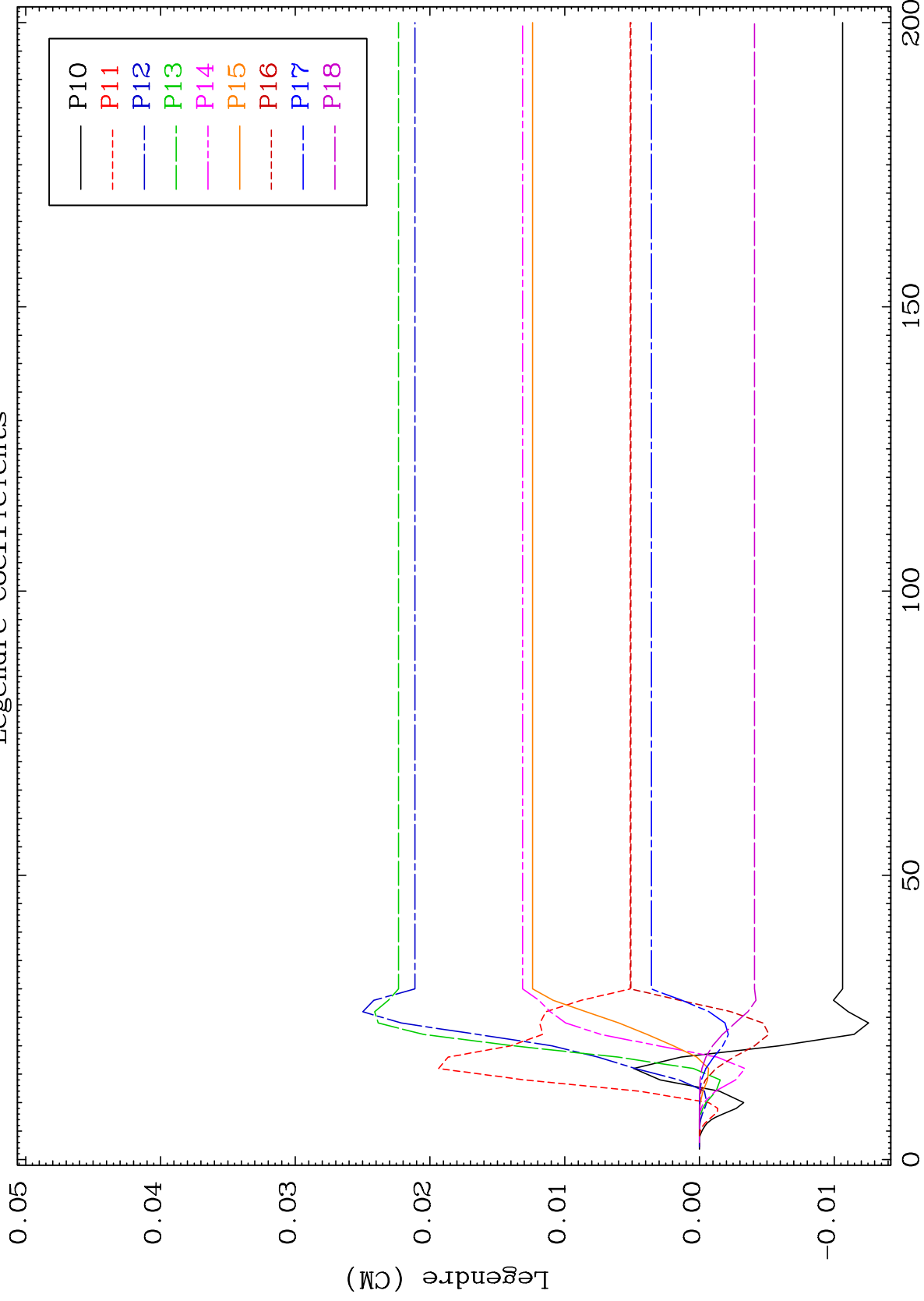
Incident Energy (MeV)

118

MAT 5846

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

58-Ce-143



119

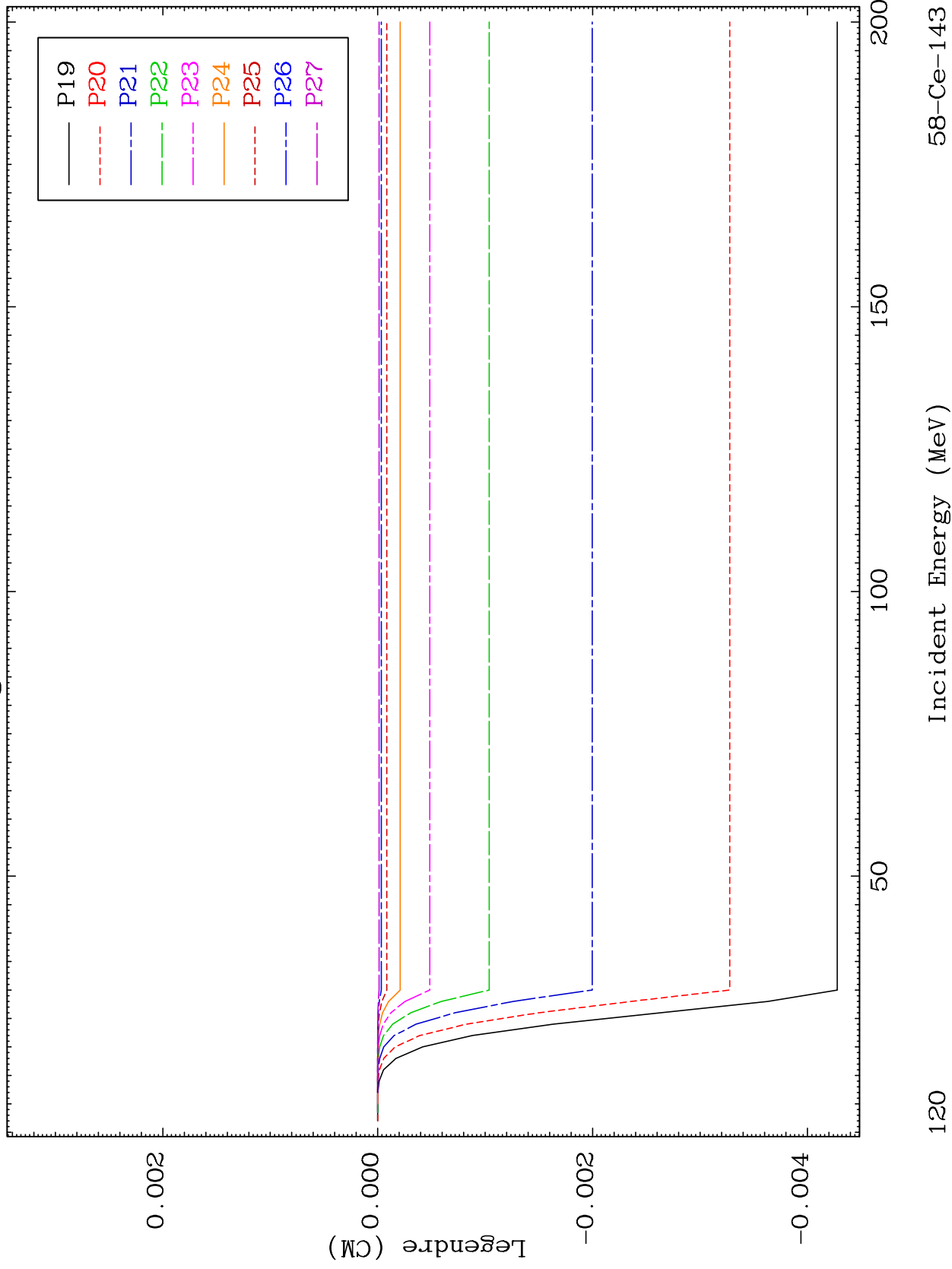
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

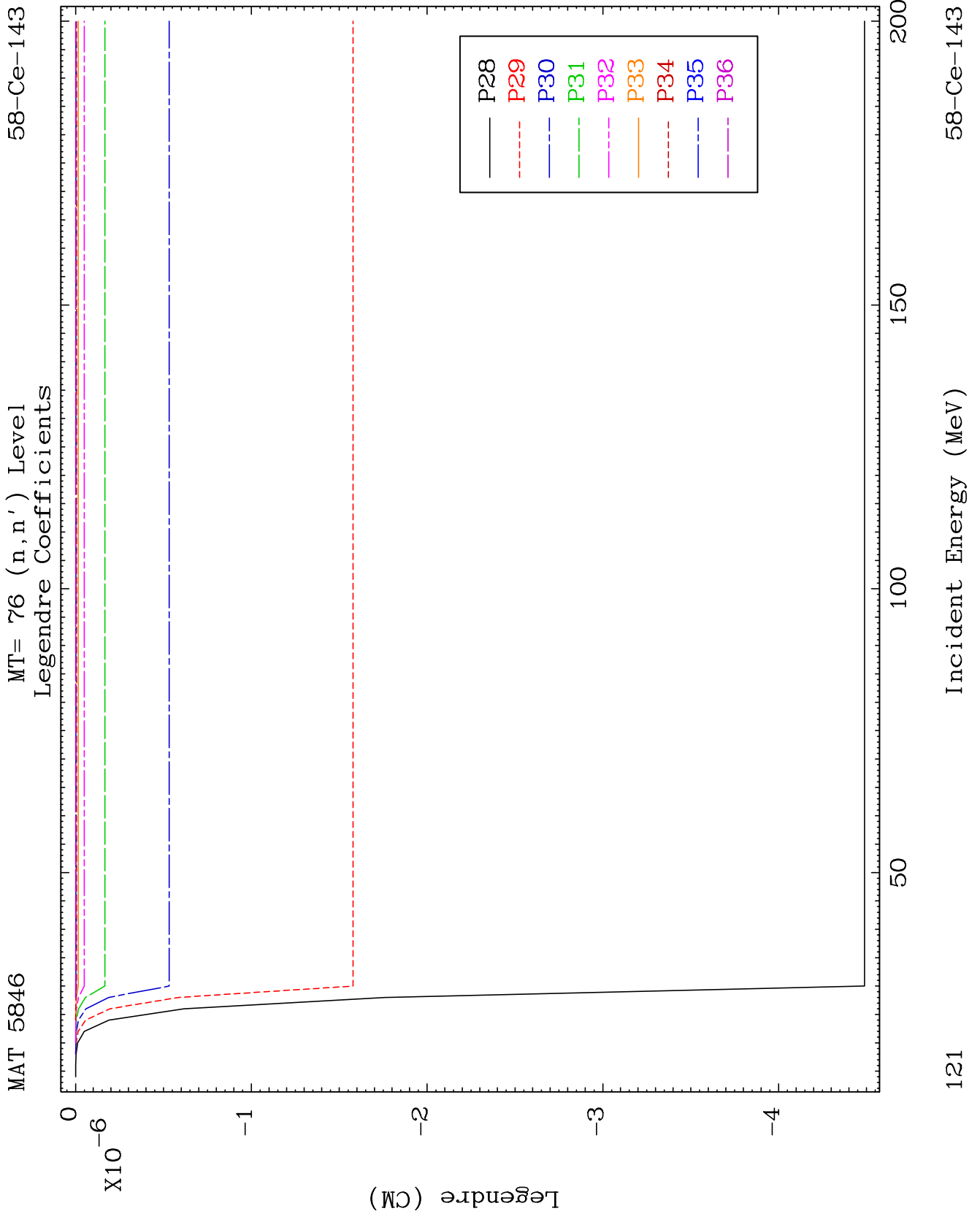
58-Ce-143



58-Ce-143

Incident Energy (MeV)

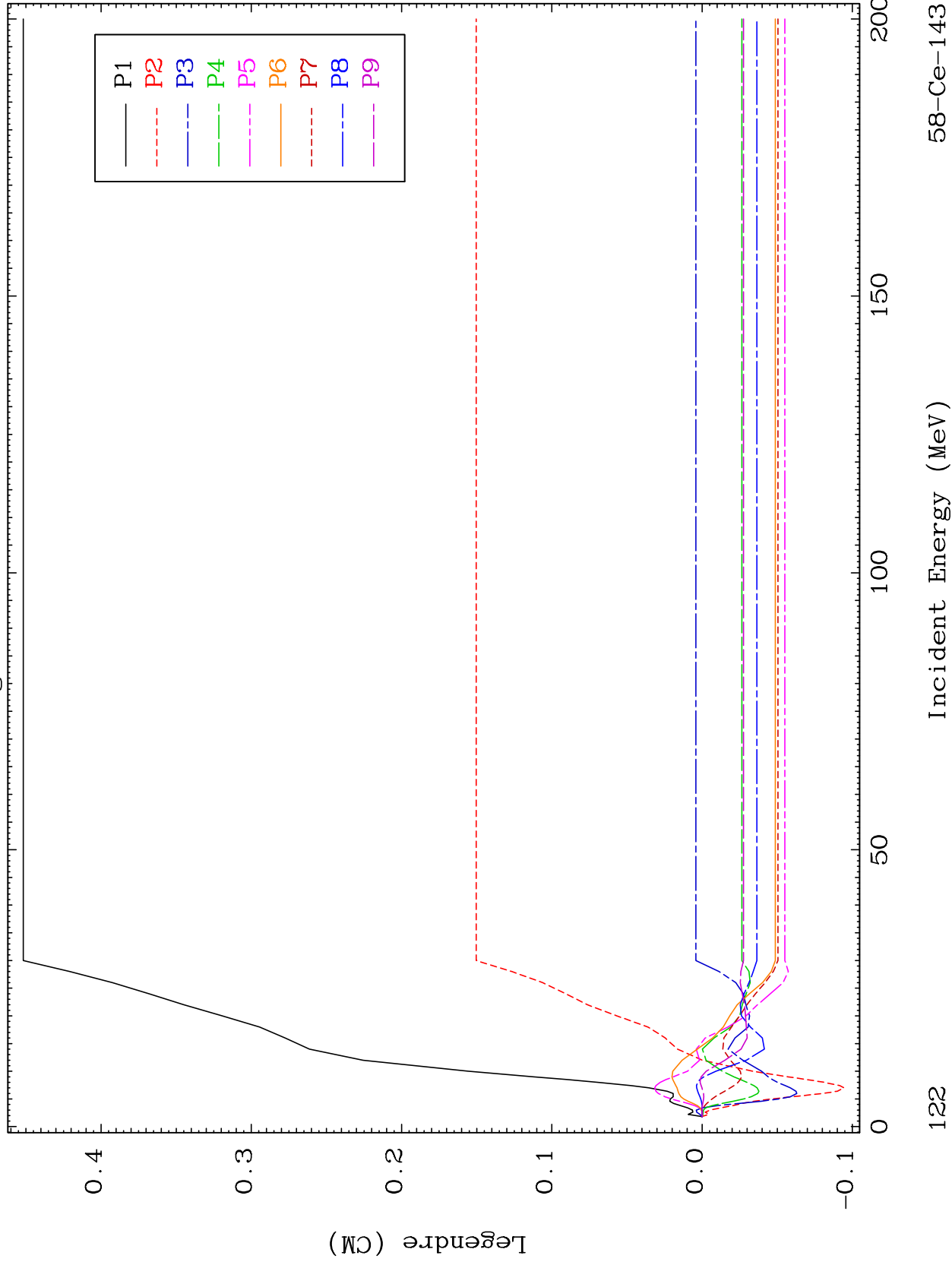
120



MAT 5846

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

58-Ce-143



58-Ce-143

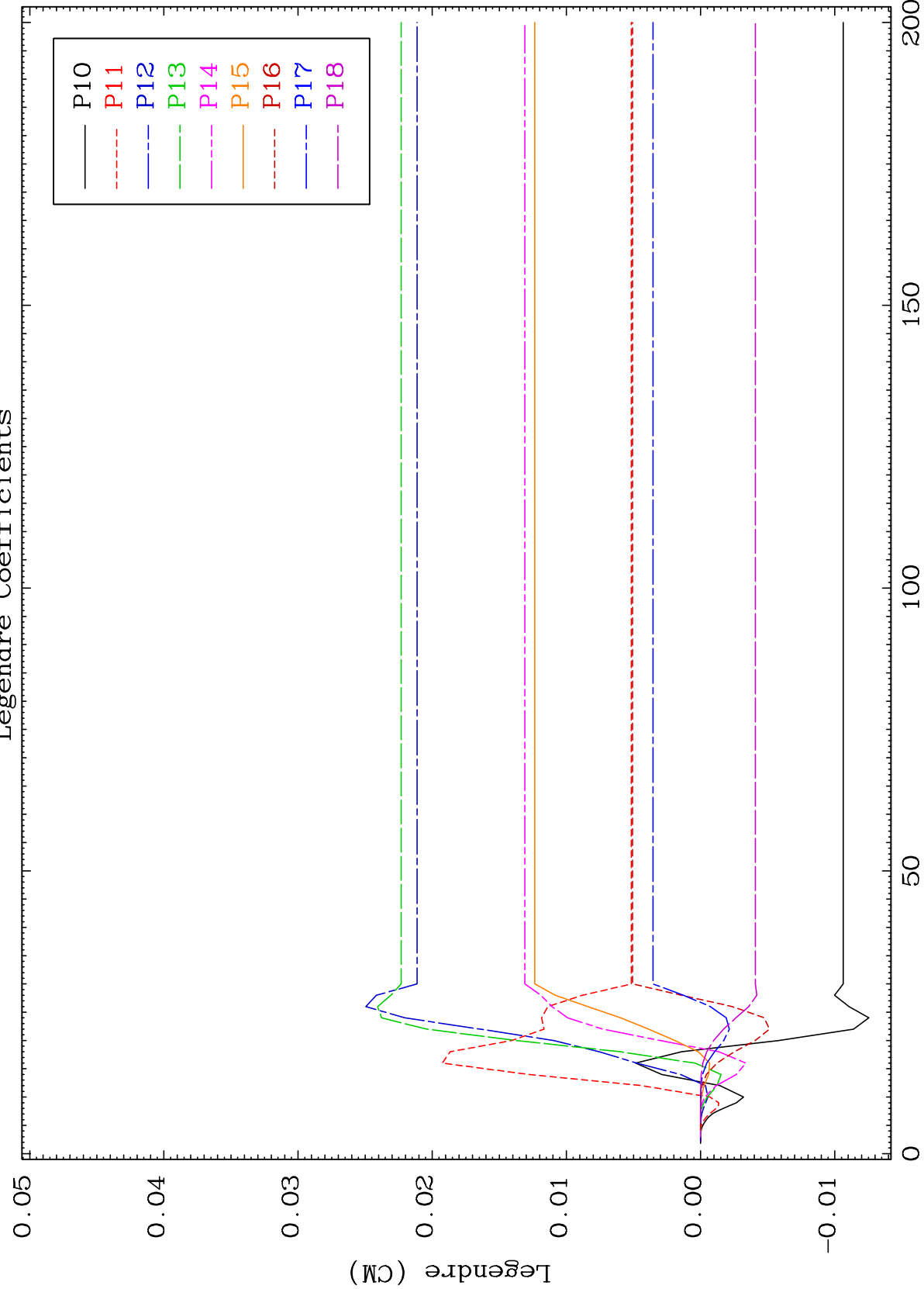
Incident Energy (MeV)

122

MAT 5846

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

58-Ce-143



123

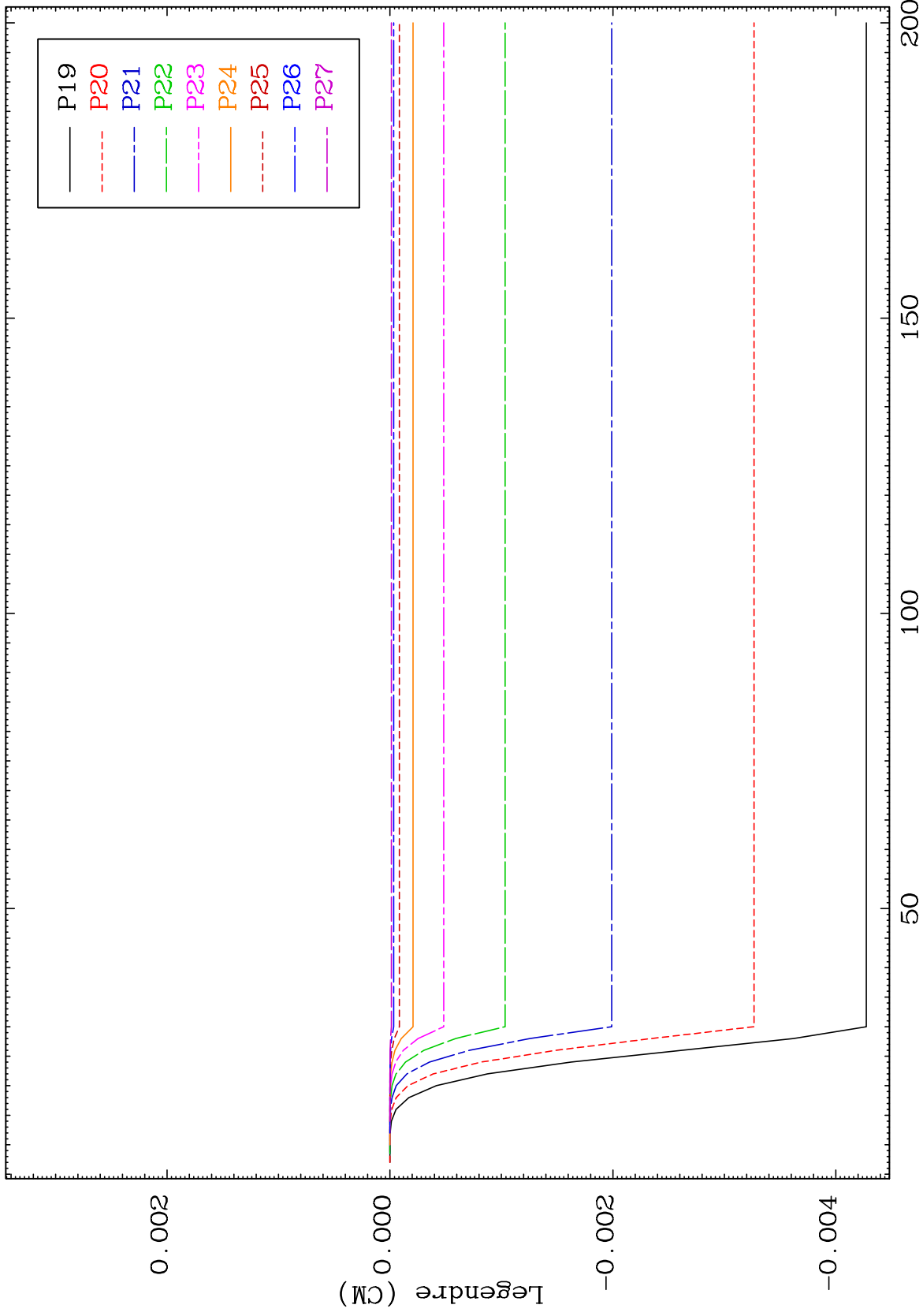
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

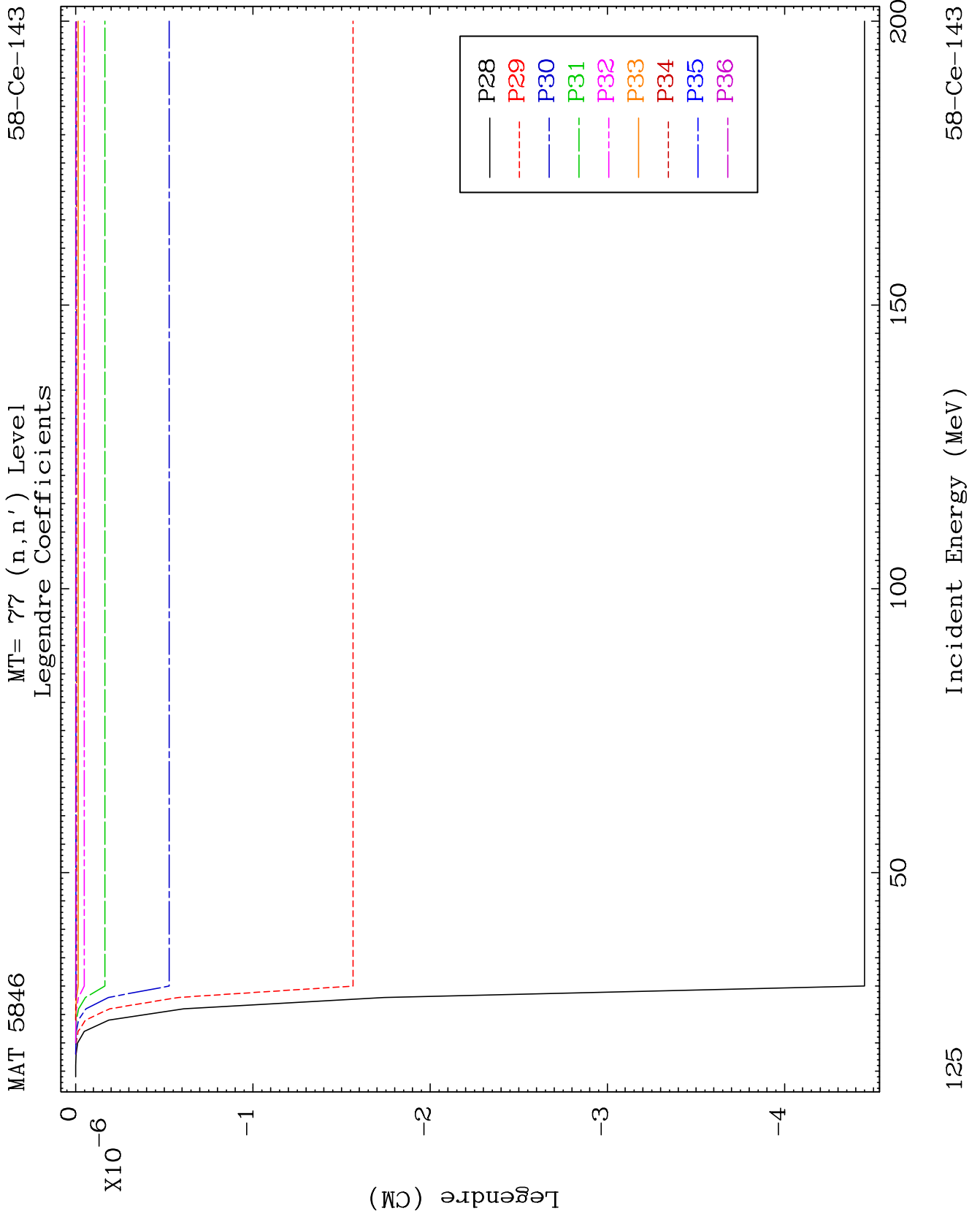
58-Ce-143



124

Incident Energy (MeV)

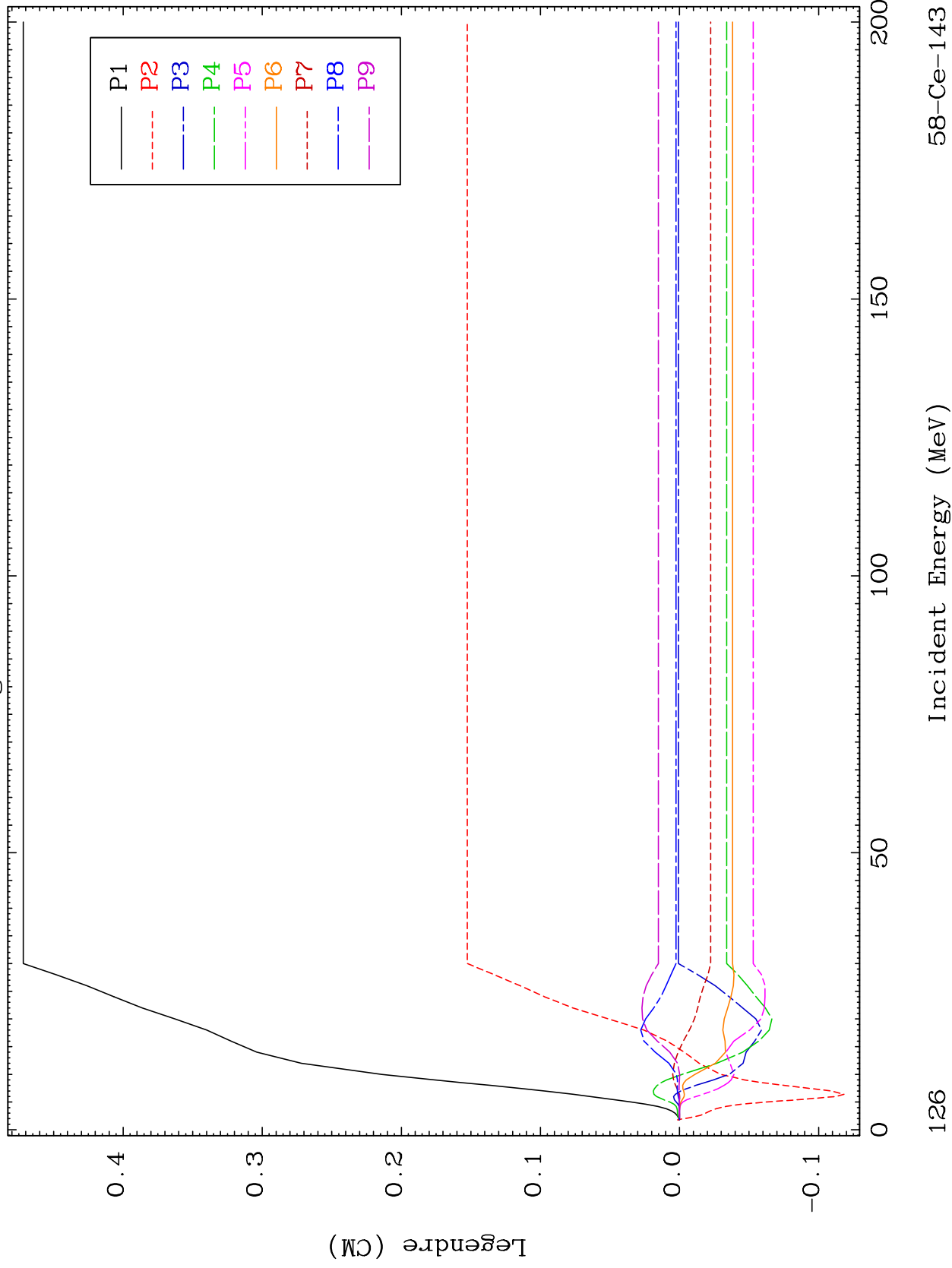
58-Ce-143



MAT 5846

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

58-Ce-143



58-Ce-143

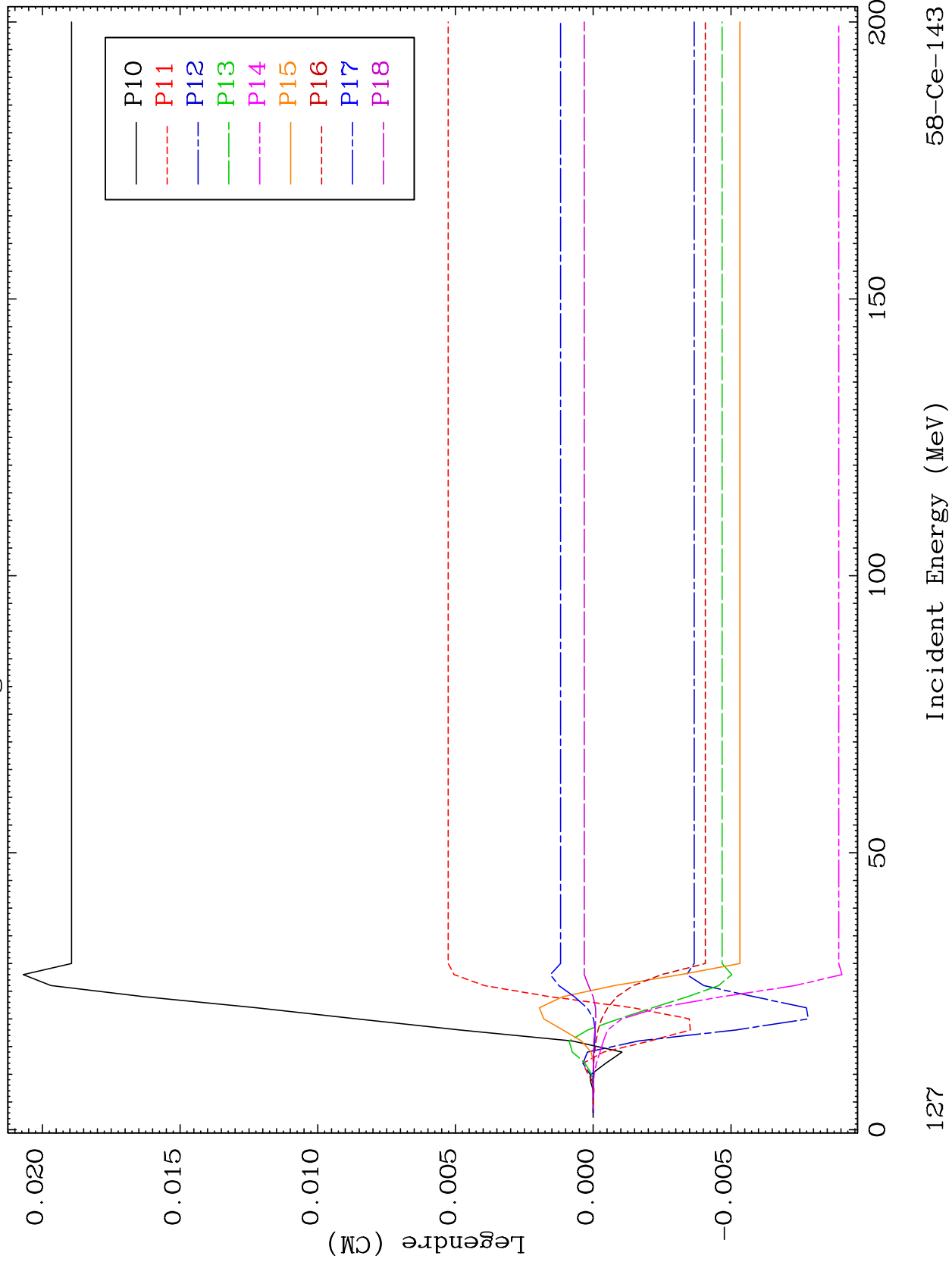
Incident Energy (MeV)

126

MAT 5846

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

58-Ce-143



127

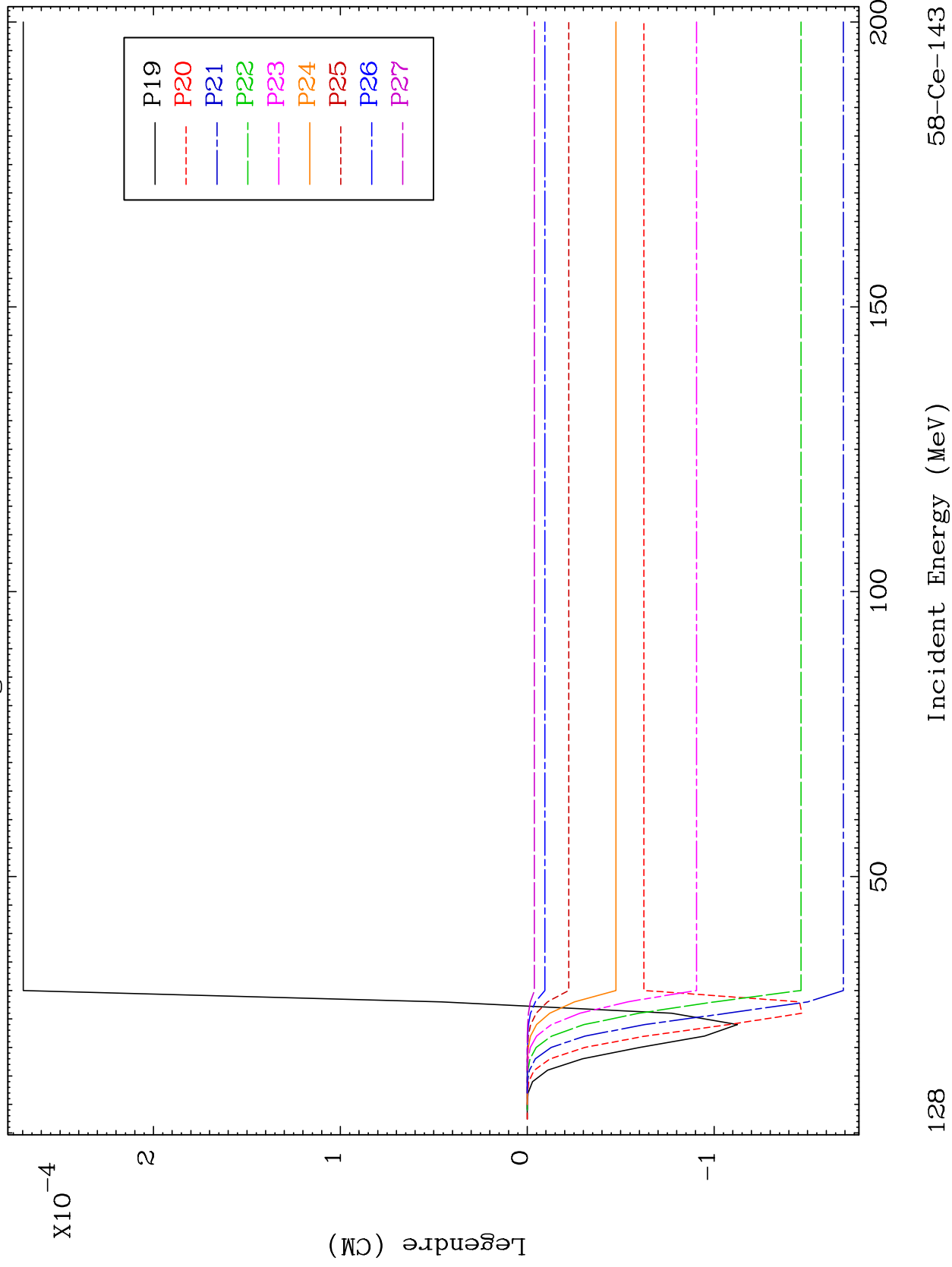
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

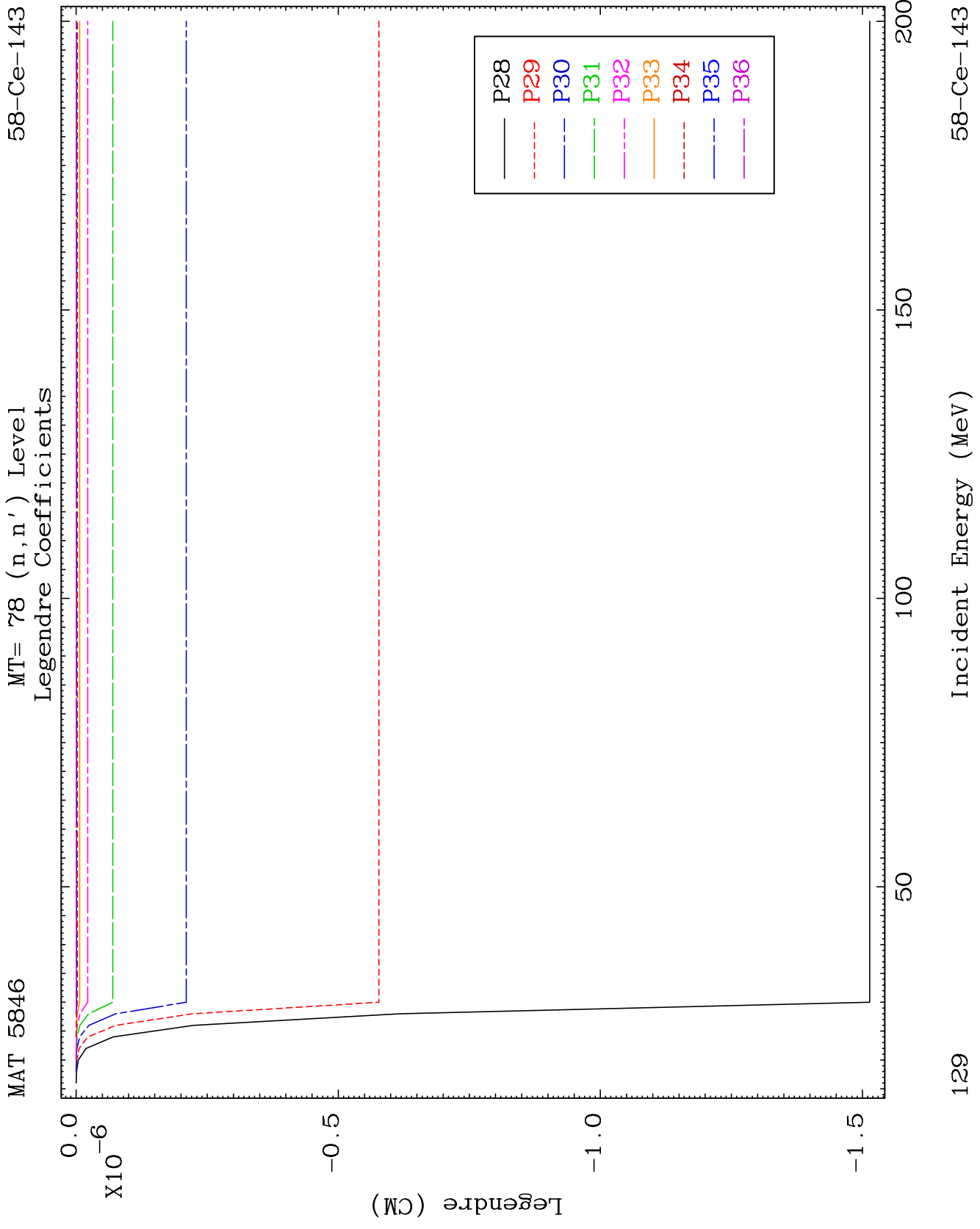
58-Ce-143



128

Incident Energy (MeV)

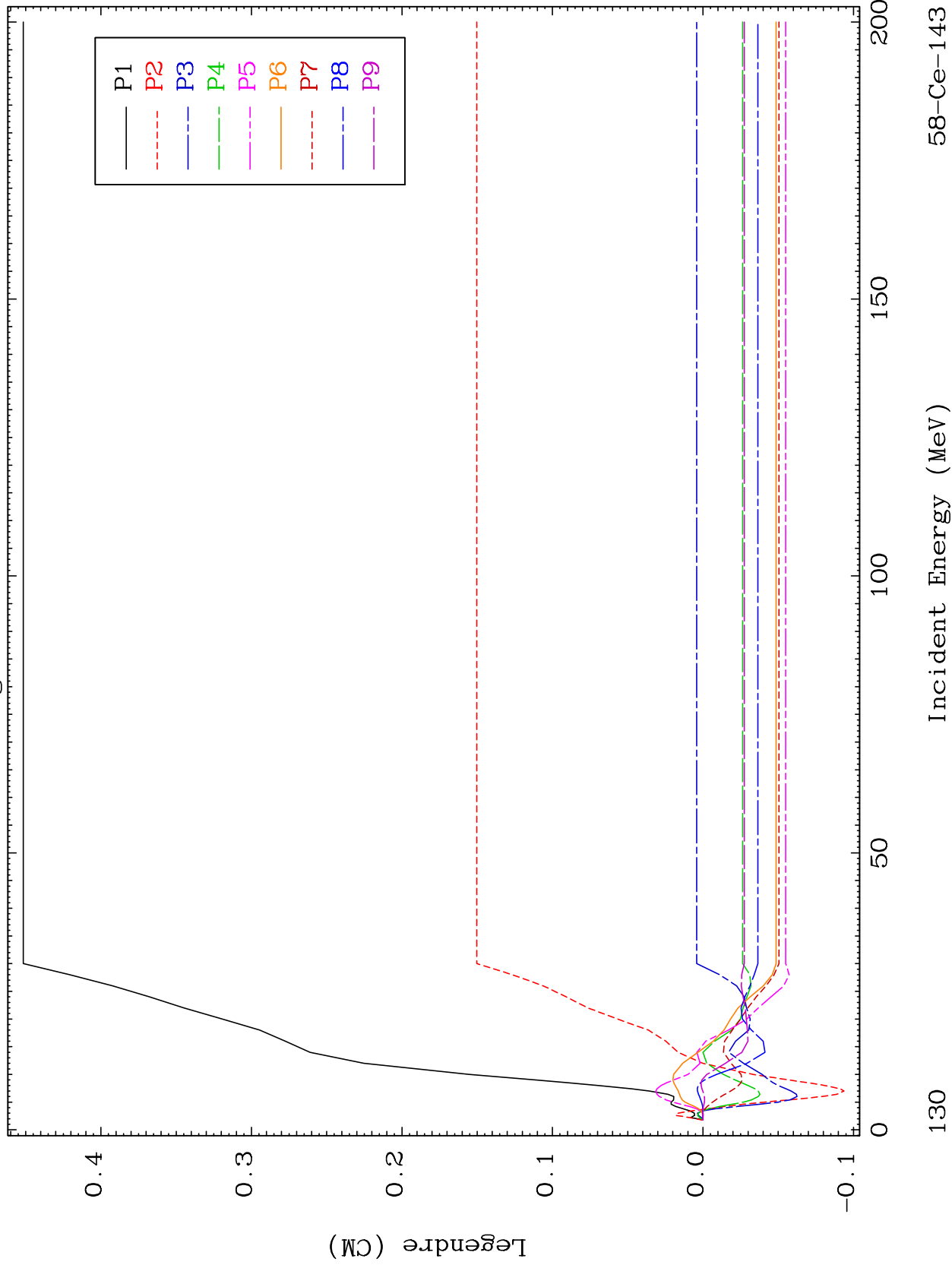
58-Ce-143



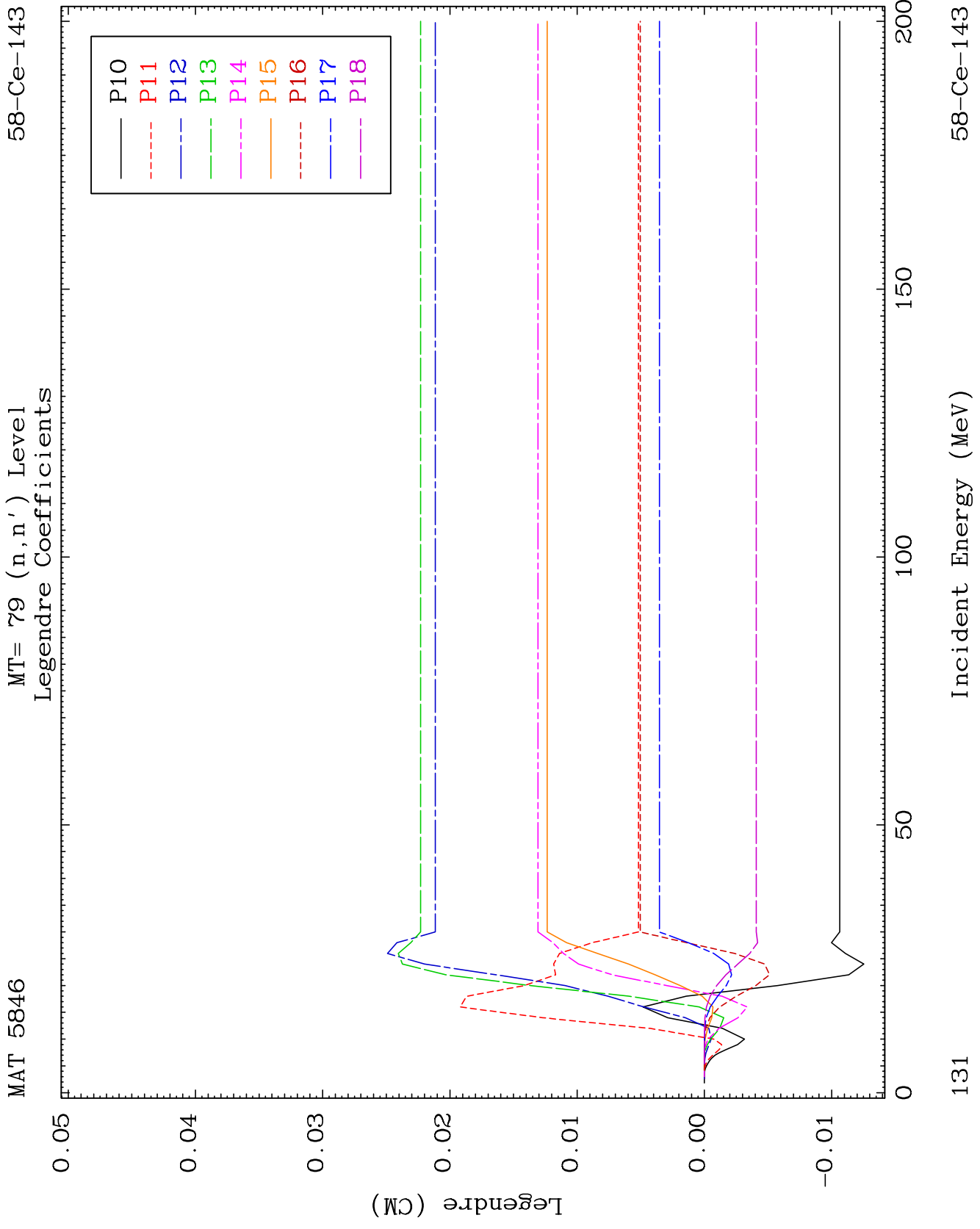
MAT 5846

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

58-Ce-143



58-Ce-143



58-Ce-143

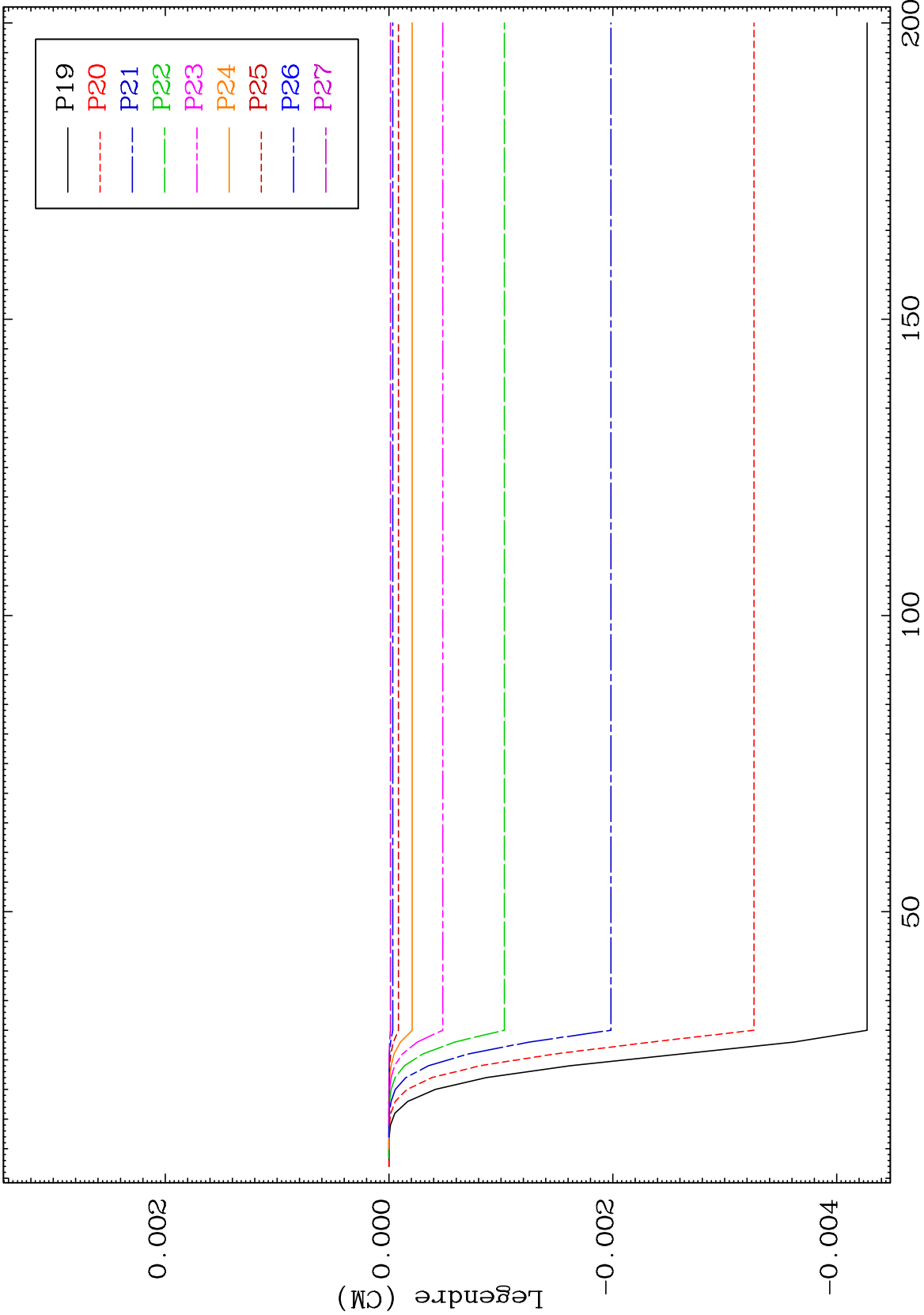
Incident Energy (MeV)

131

MAT 5846

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

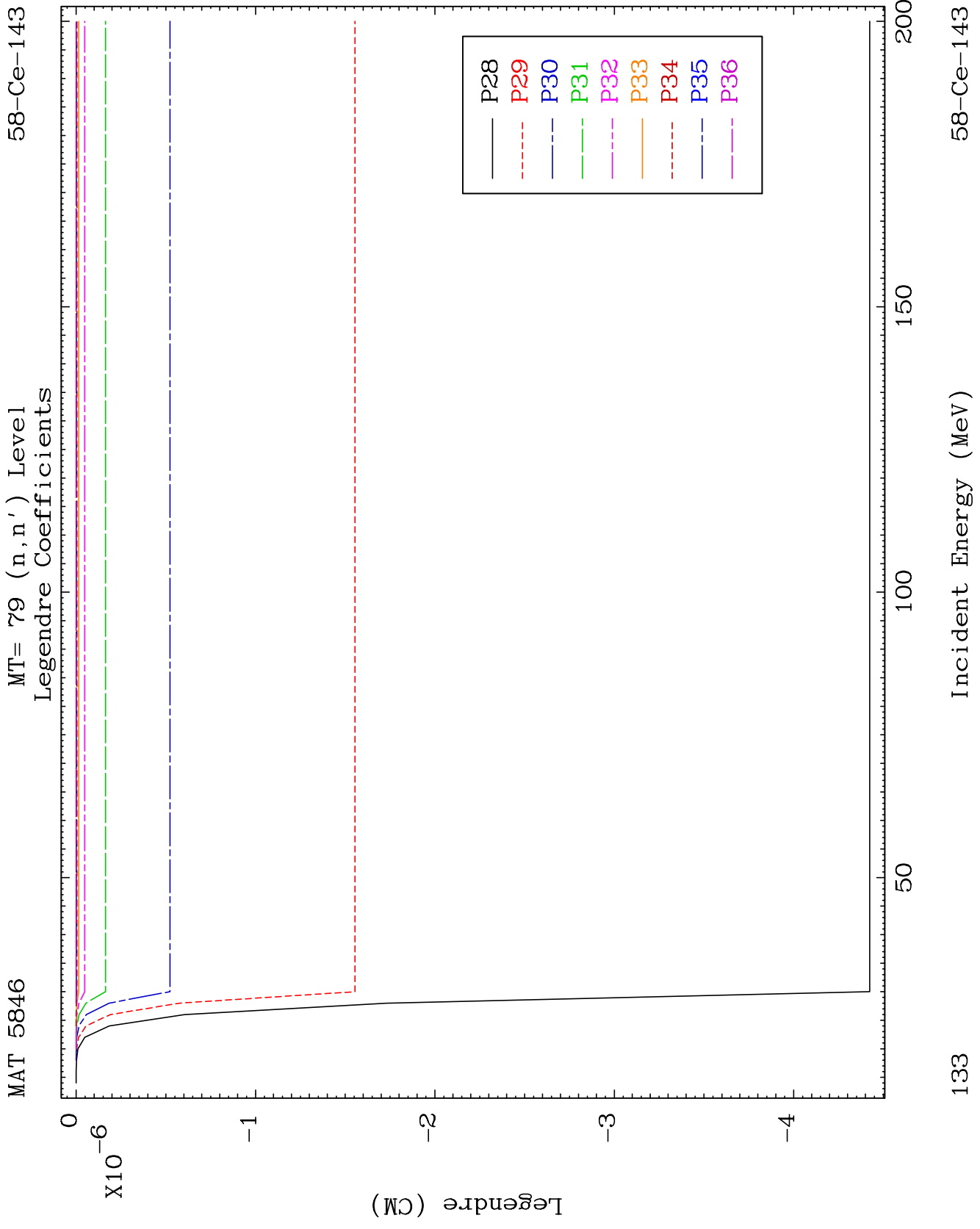
58-Ce-143



132

Incident Energy (MeV)

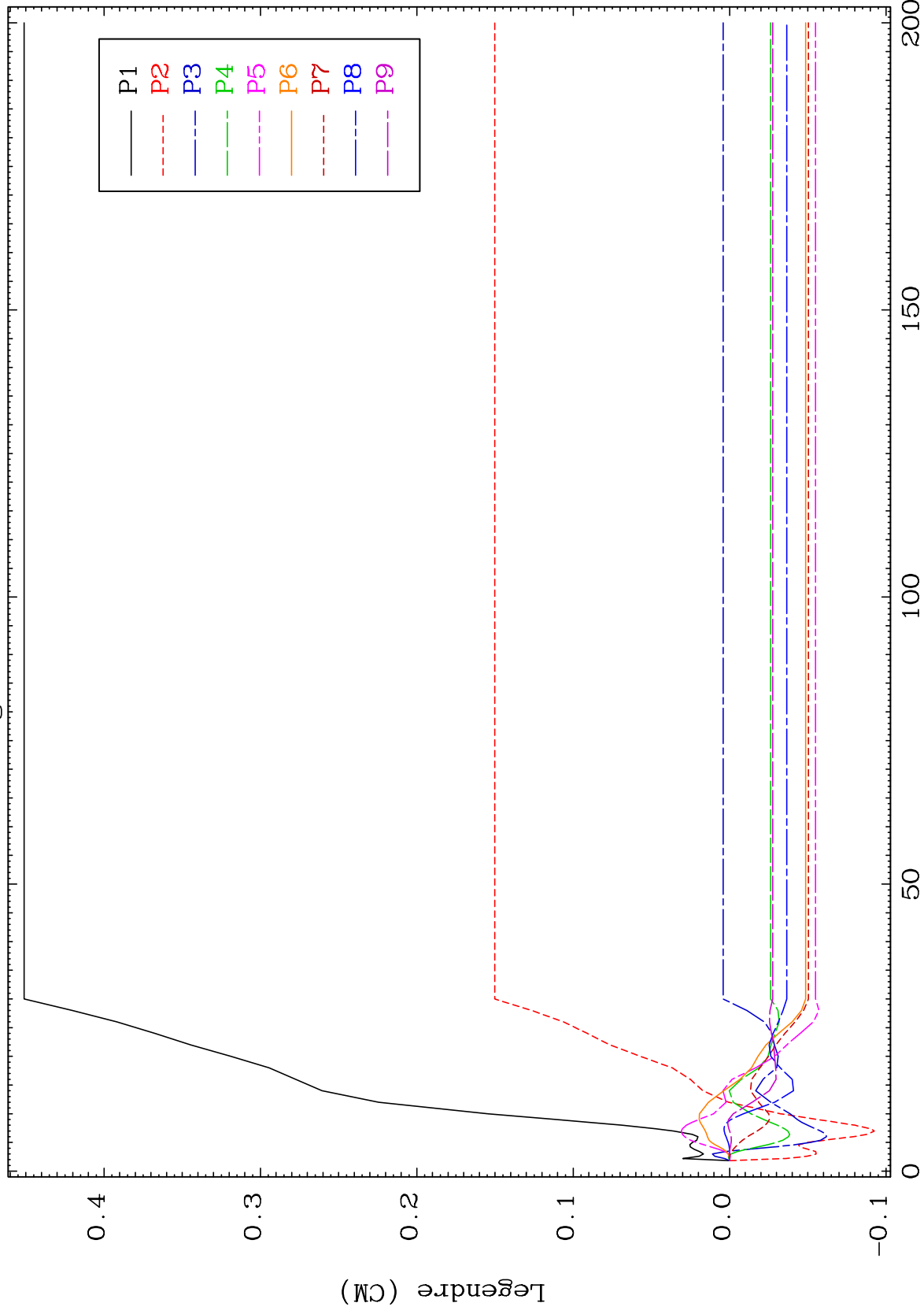
58-Ce-143



MAT 5846

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

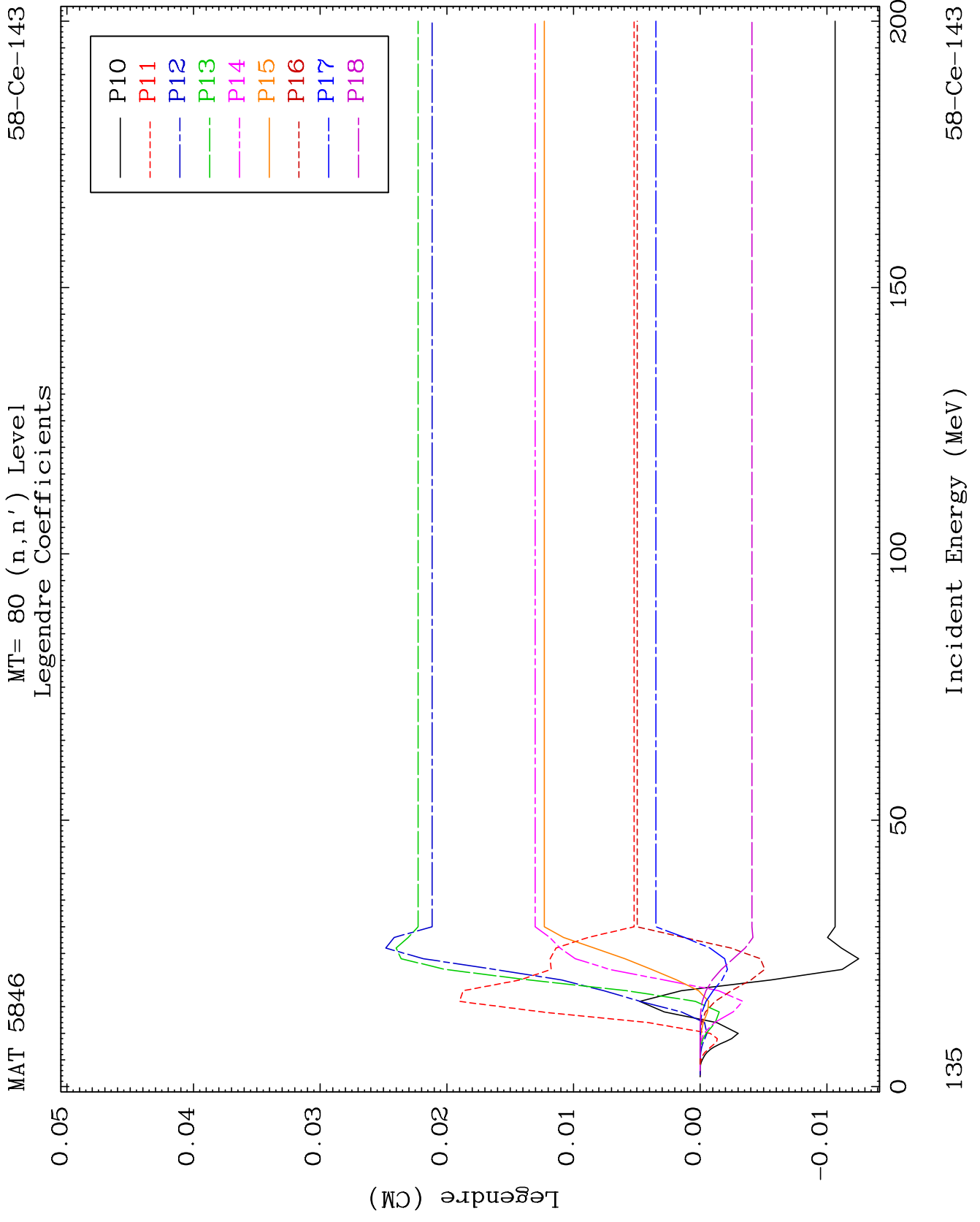
58-Ce-143



134

Incident Energy (MeV)

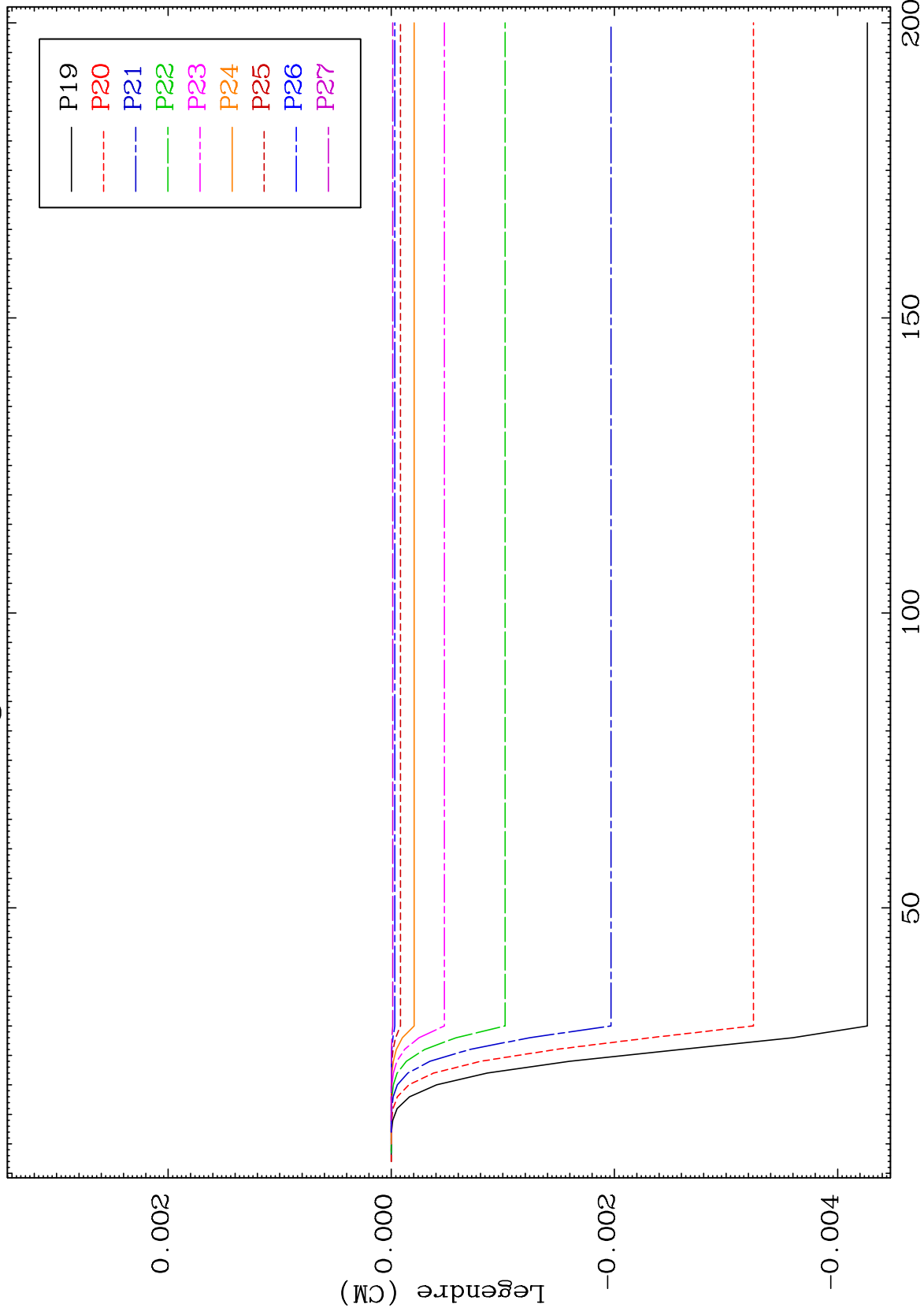
58-Ce-143



MAT 5846

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

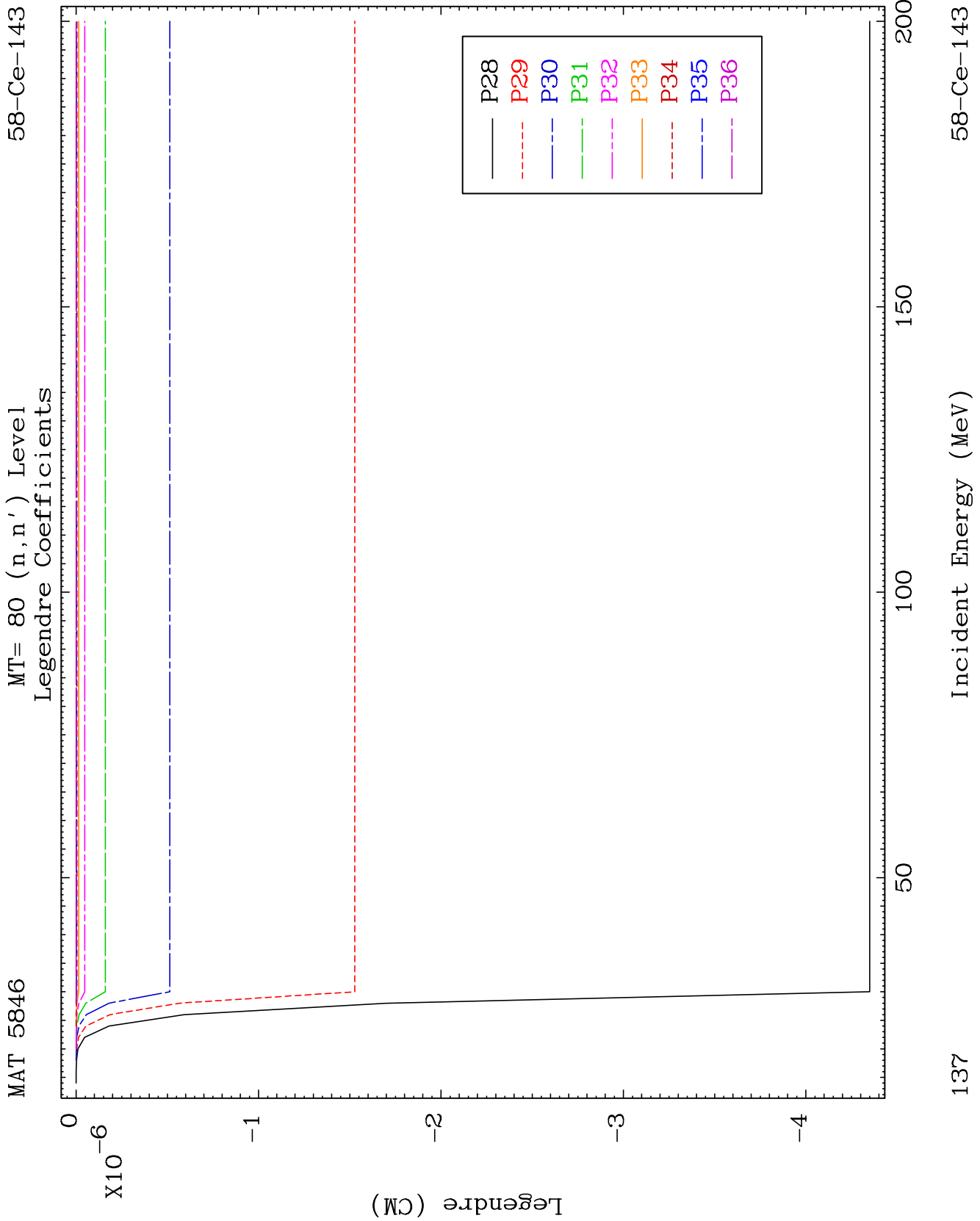
58-Ce-143



136

Incident Energy (MeV)

58-Ce-143

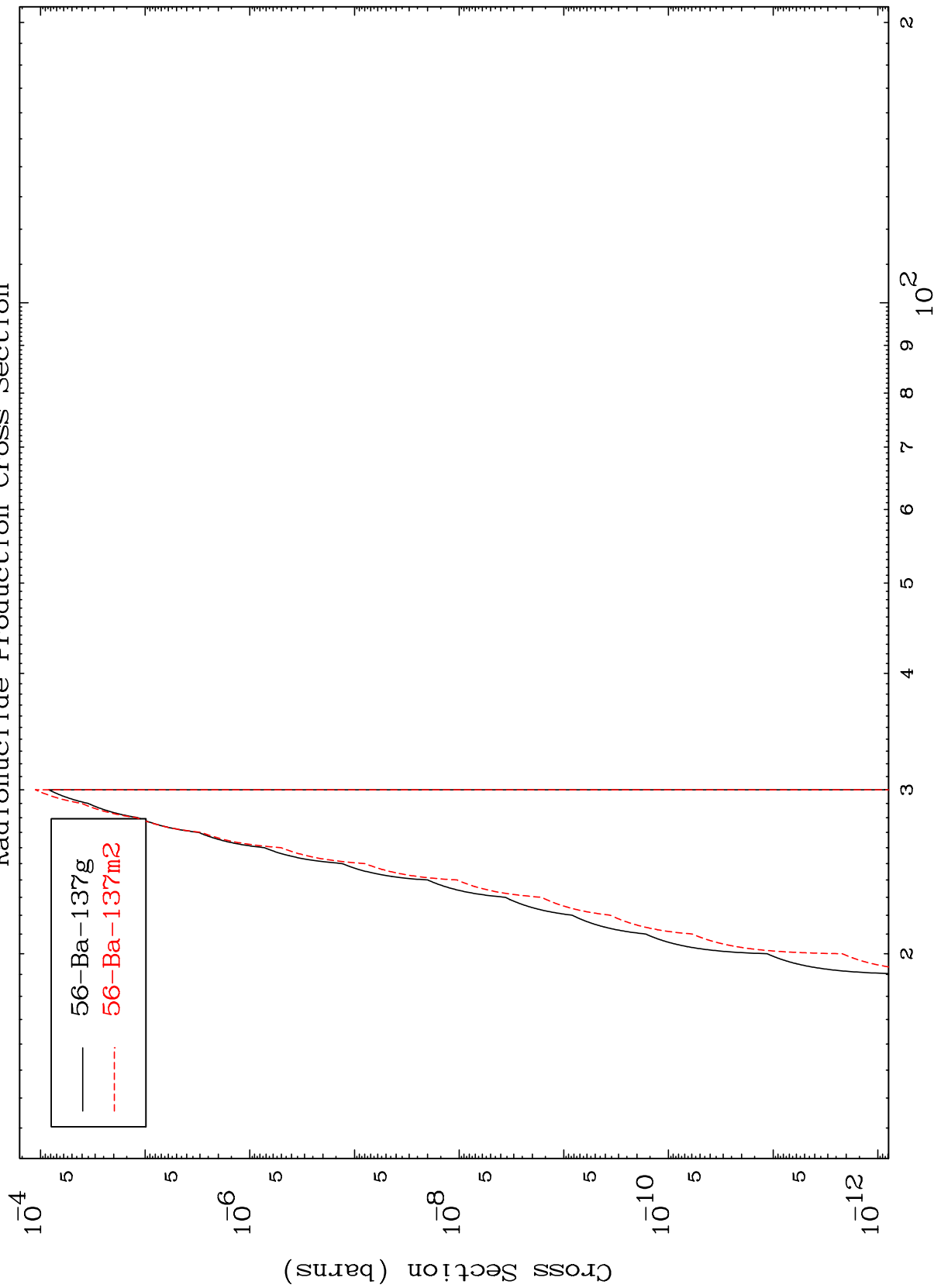


MAT 5846

(n,3n) α

58-Ce-143

Radionuclide Production Cross Section



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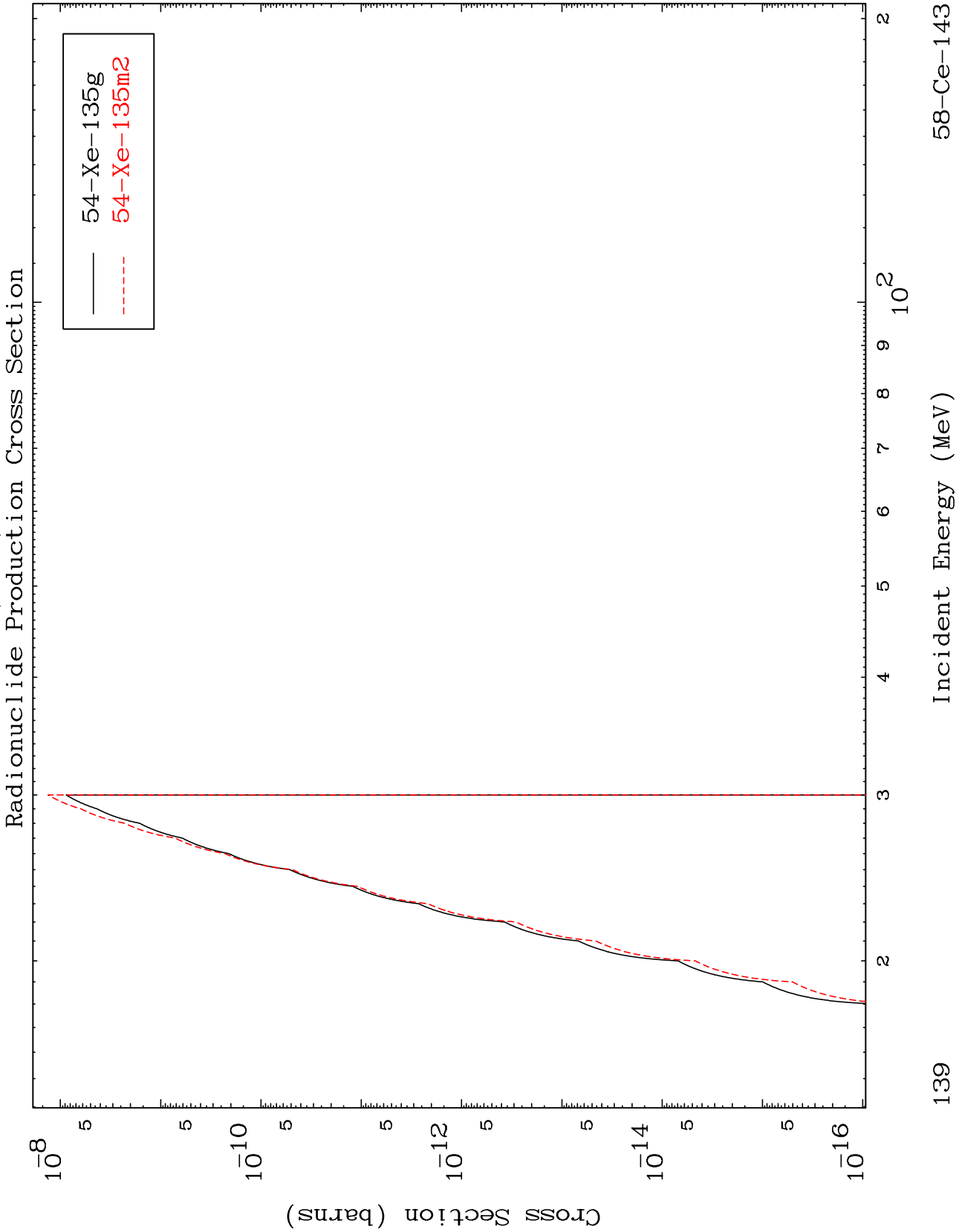
Incident Energy (MeV)

58-Ce-143

MAT 5846

(n,n') 2 α

58-Ce-143



139

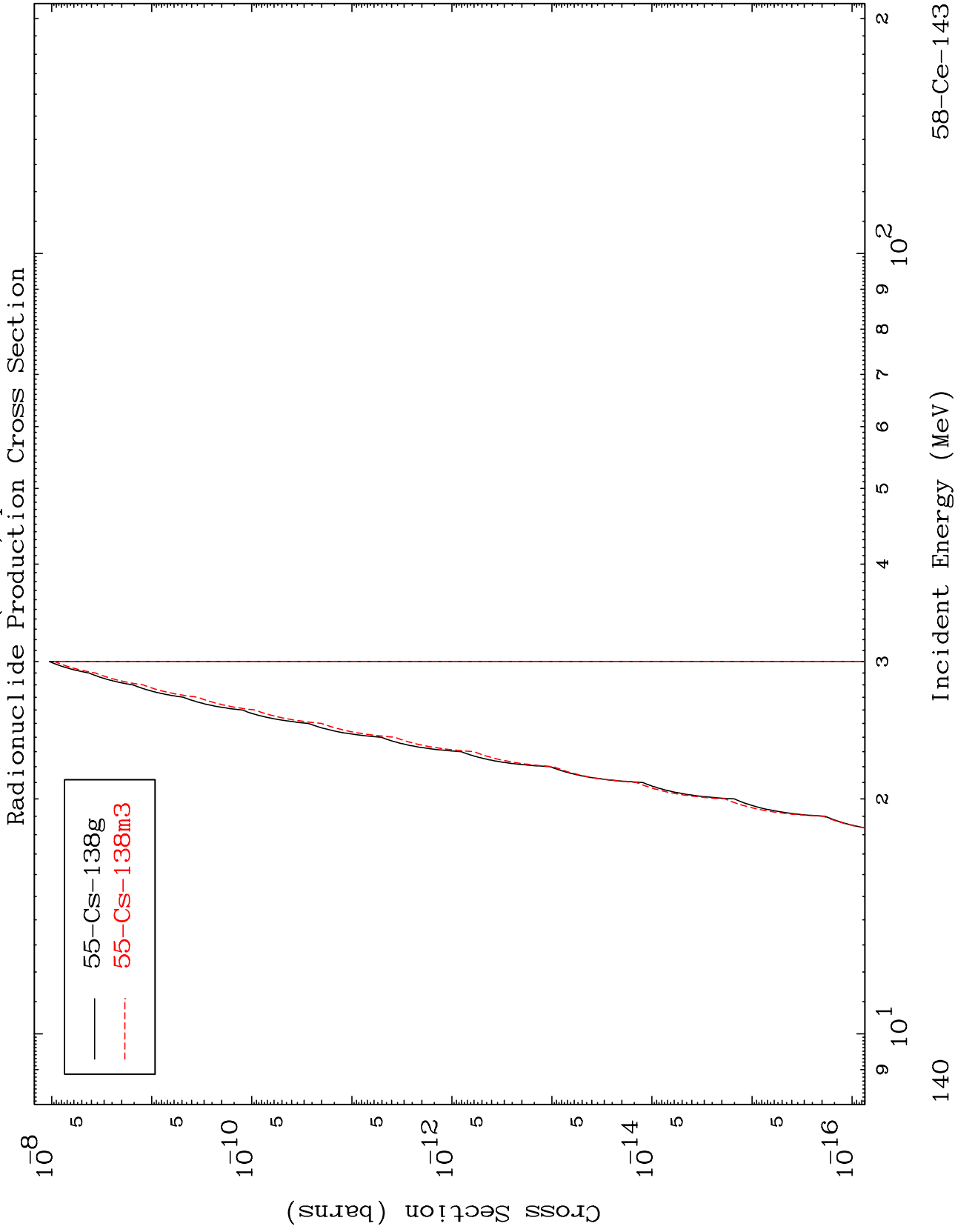
Incident Energy (MeV)

58-Ce-143

MAT 5846

(n,n') p α

58-Ce-143

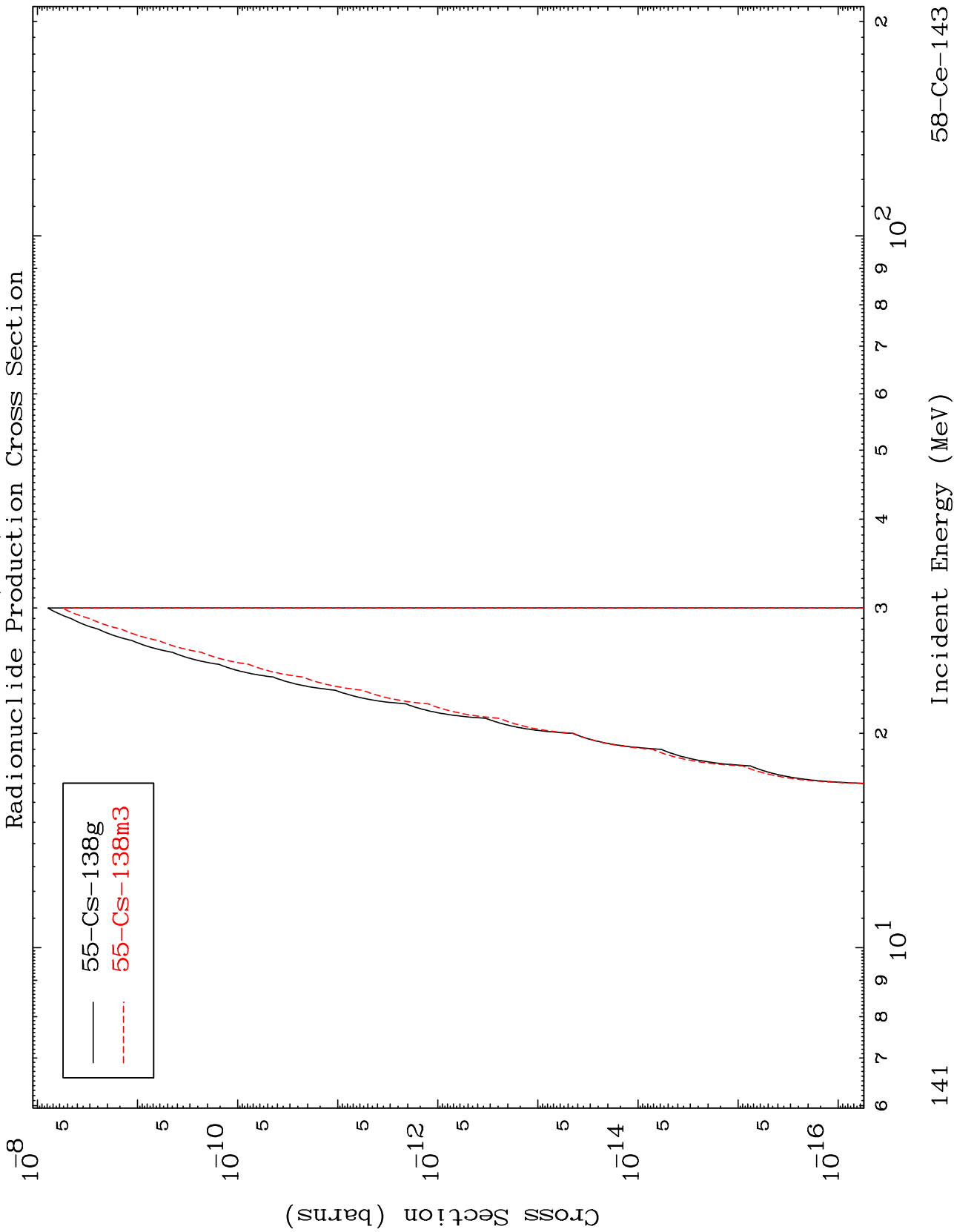


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MAT 5846

(n,d) α

58-Ce-143



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58-Ce-143