

Program EVALPLOT  
(Version 2018-1)

by

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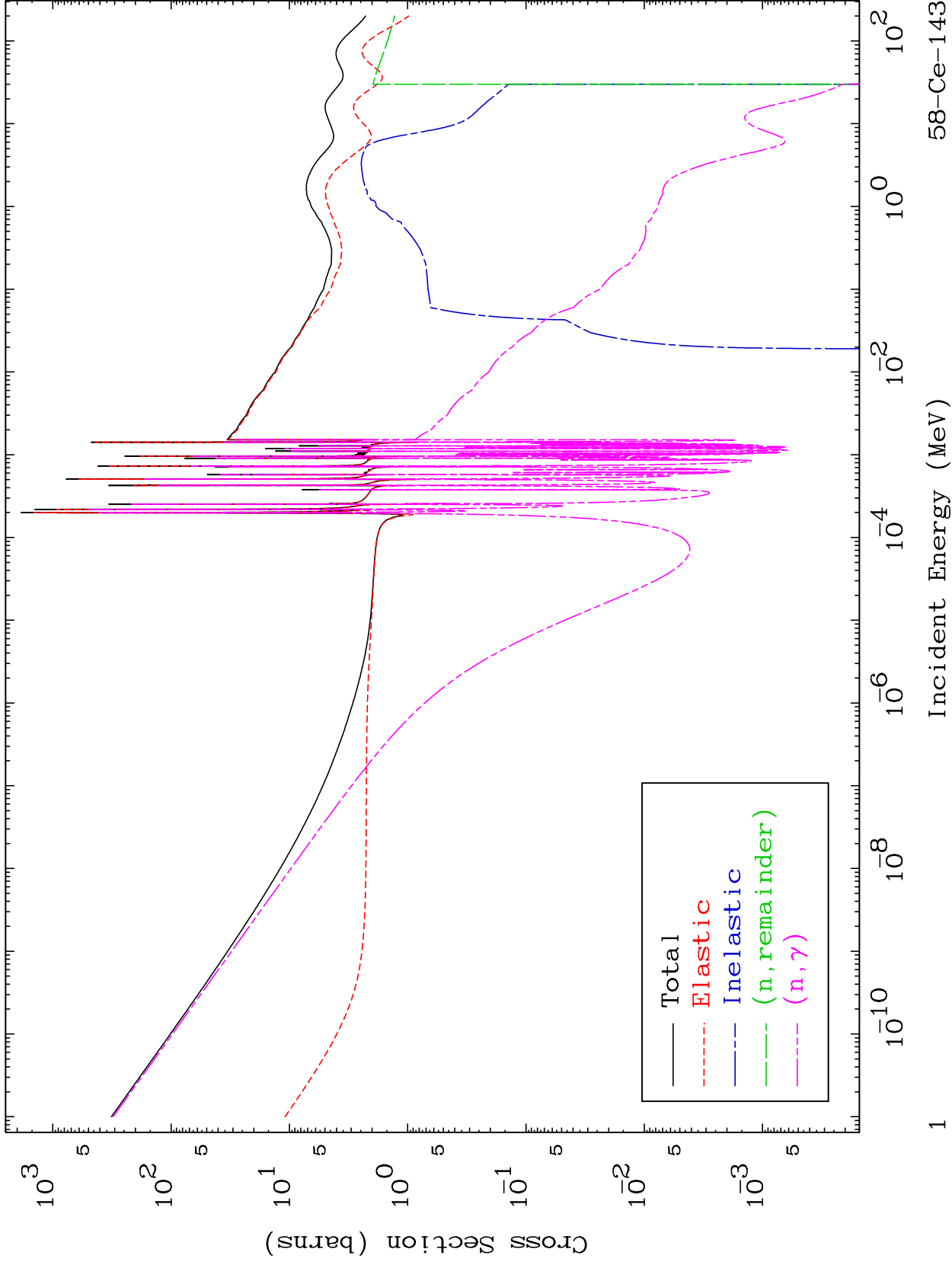
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Press Mouse Button to Start

MAT 5846

Major  
293 Kelvin Cross Sections

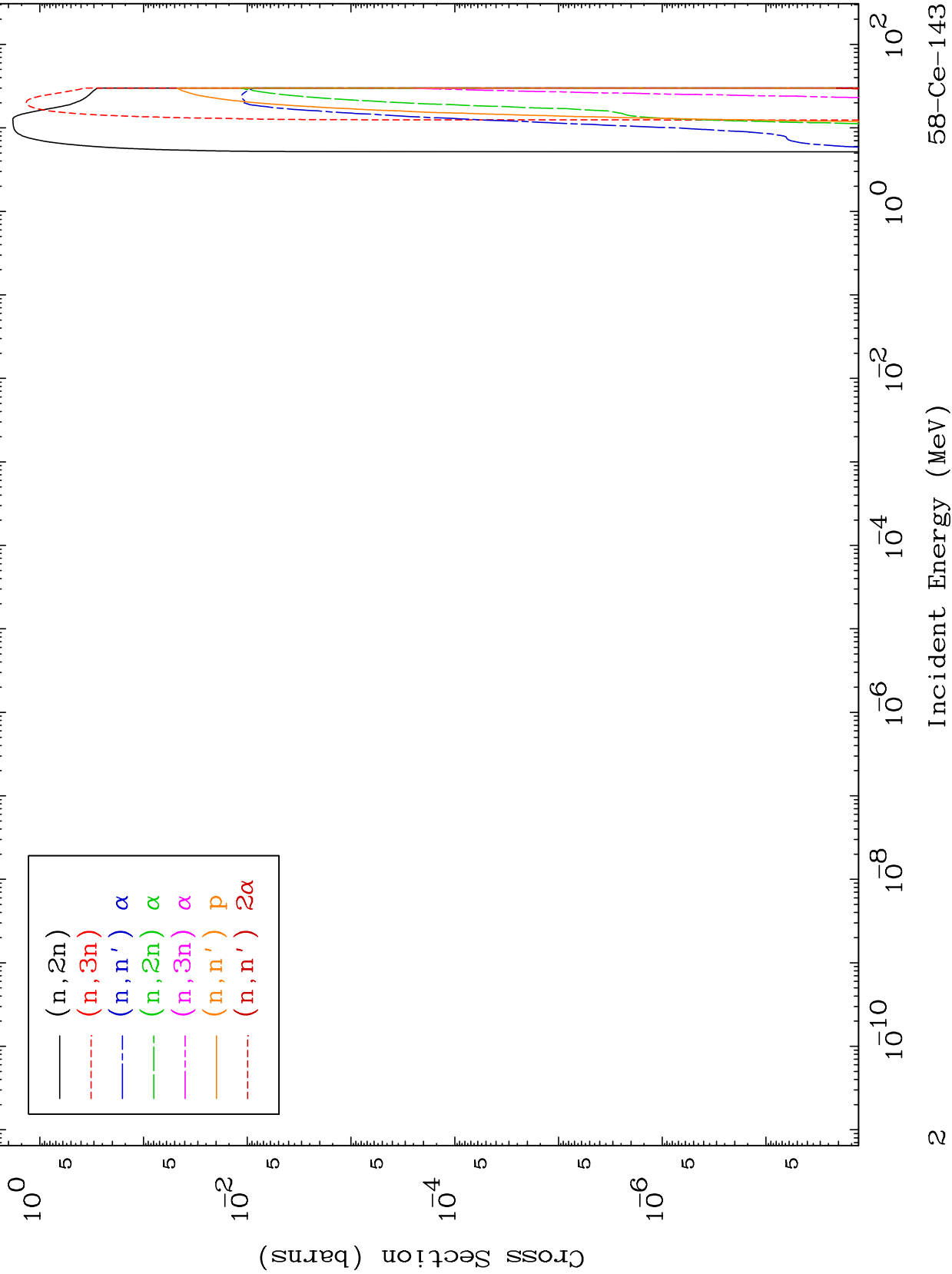
58-Ce-143

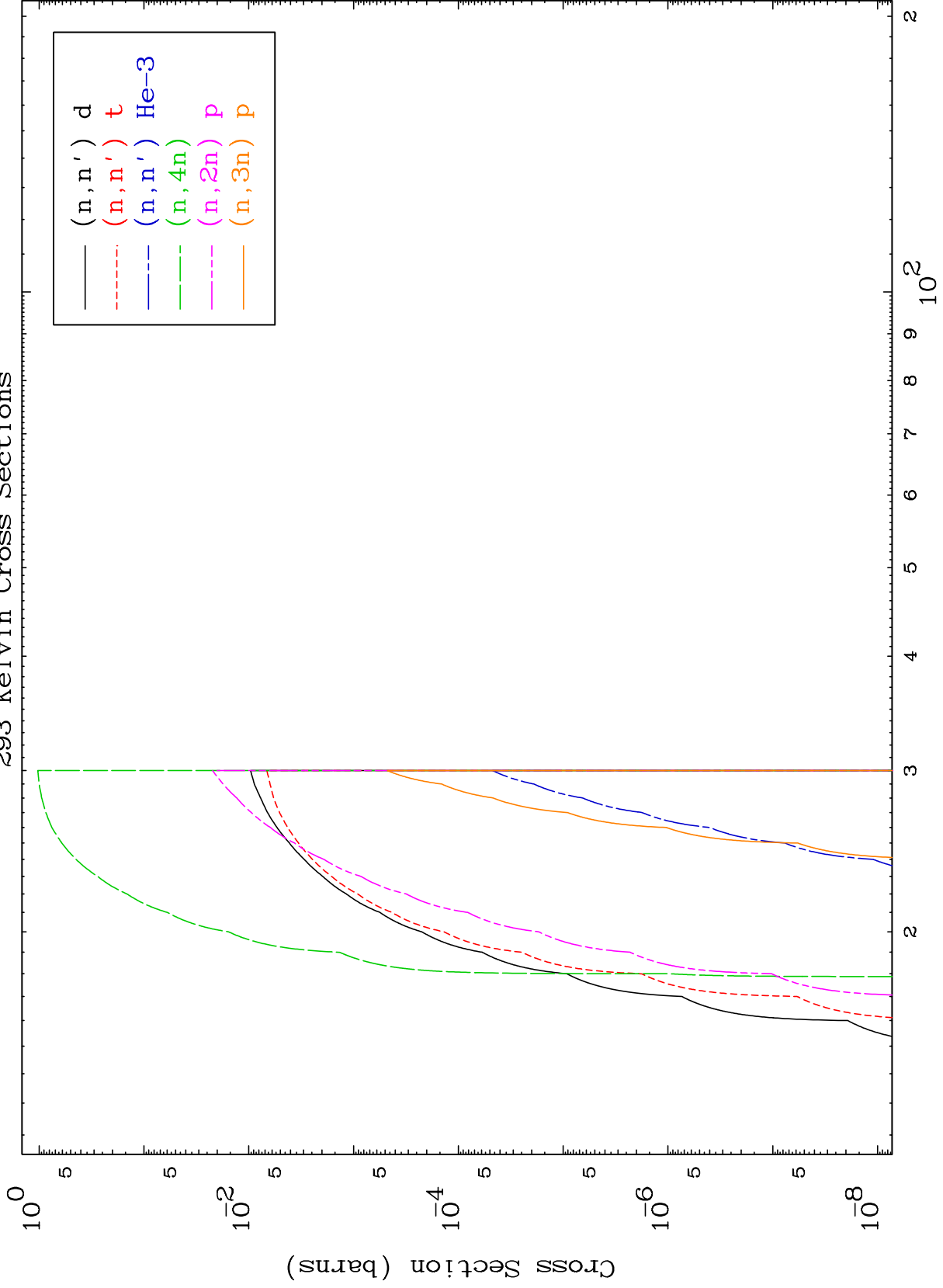


MAT 5846

Neutron Production  
293 Kelvin Cross Sections

58-Ce-143

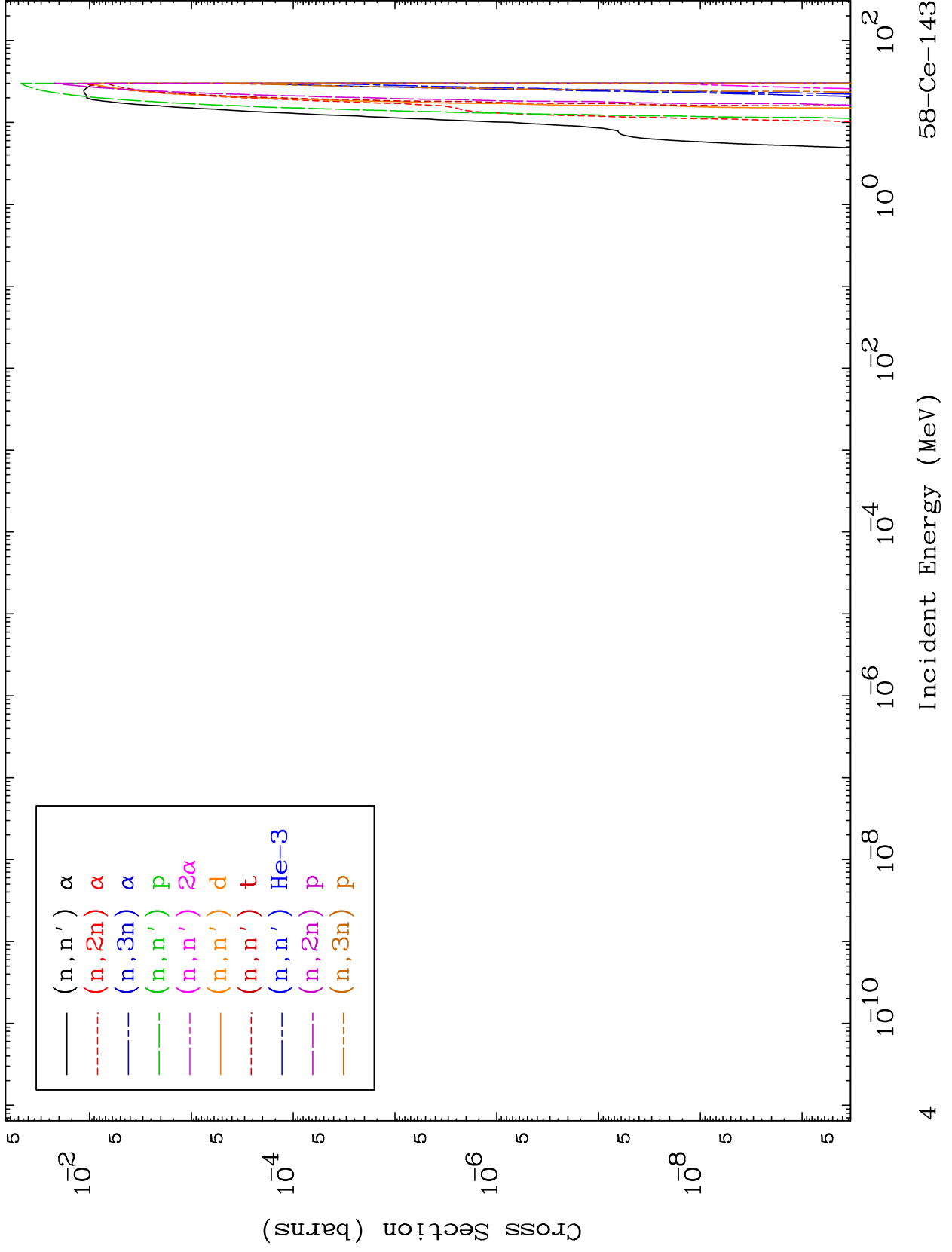




MAT 5846

Charged Particle  
293 Kelvin Cross Sections

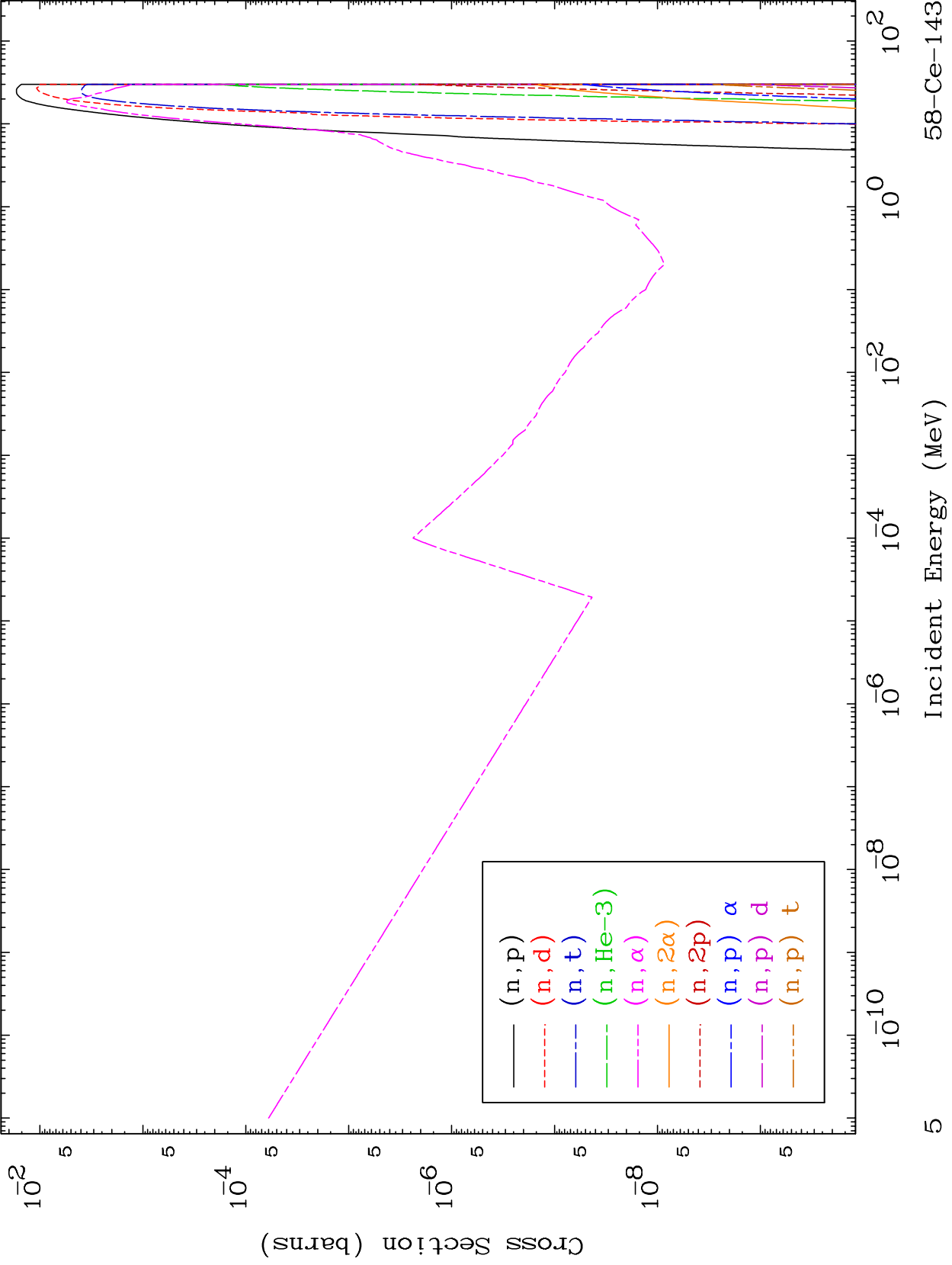
58-Ce-143



MAT 5846

Charged Particle  
293 Kelvin Cross Sections

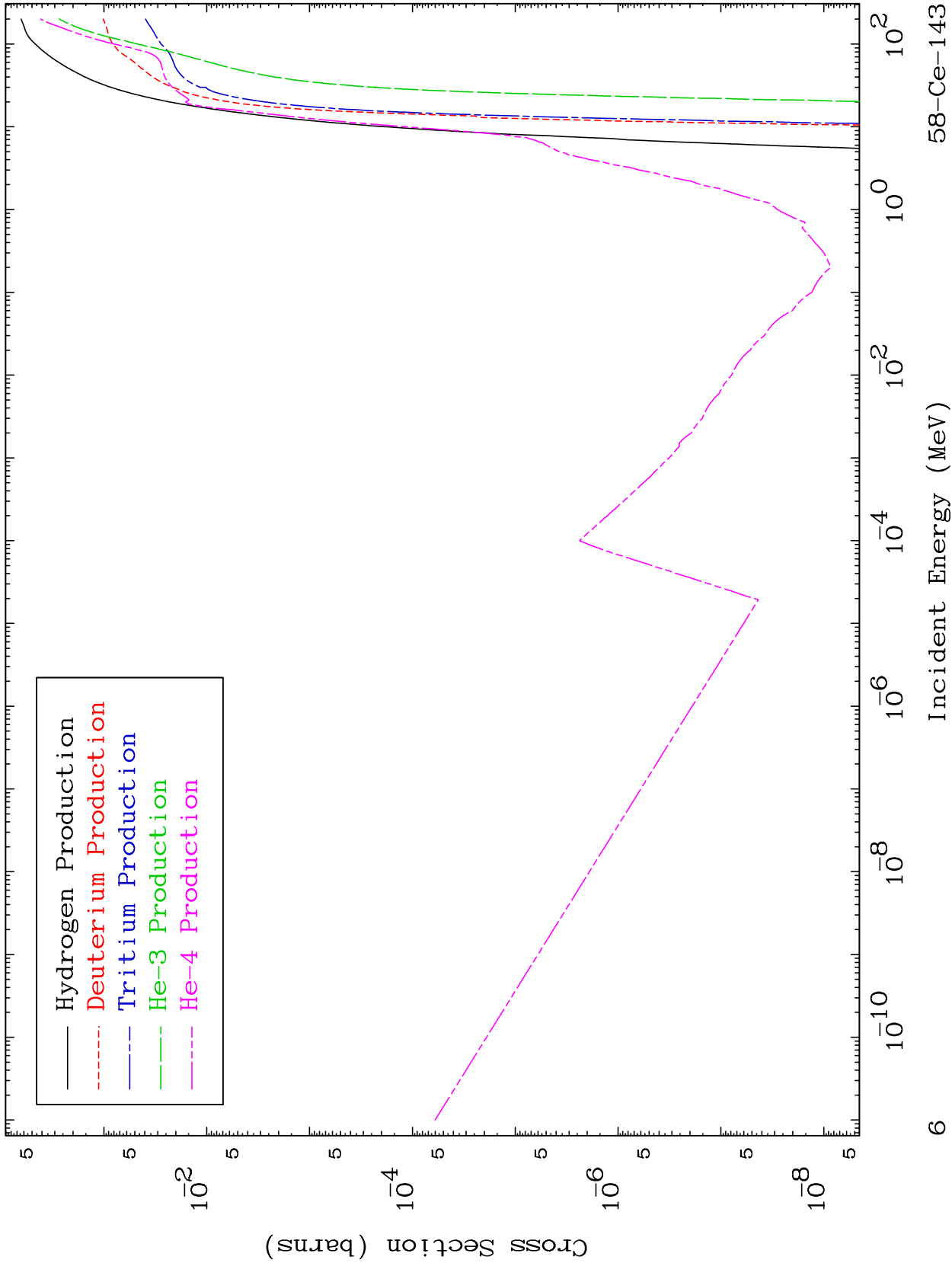
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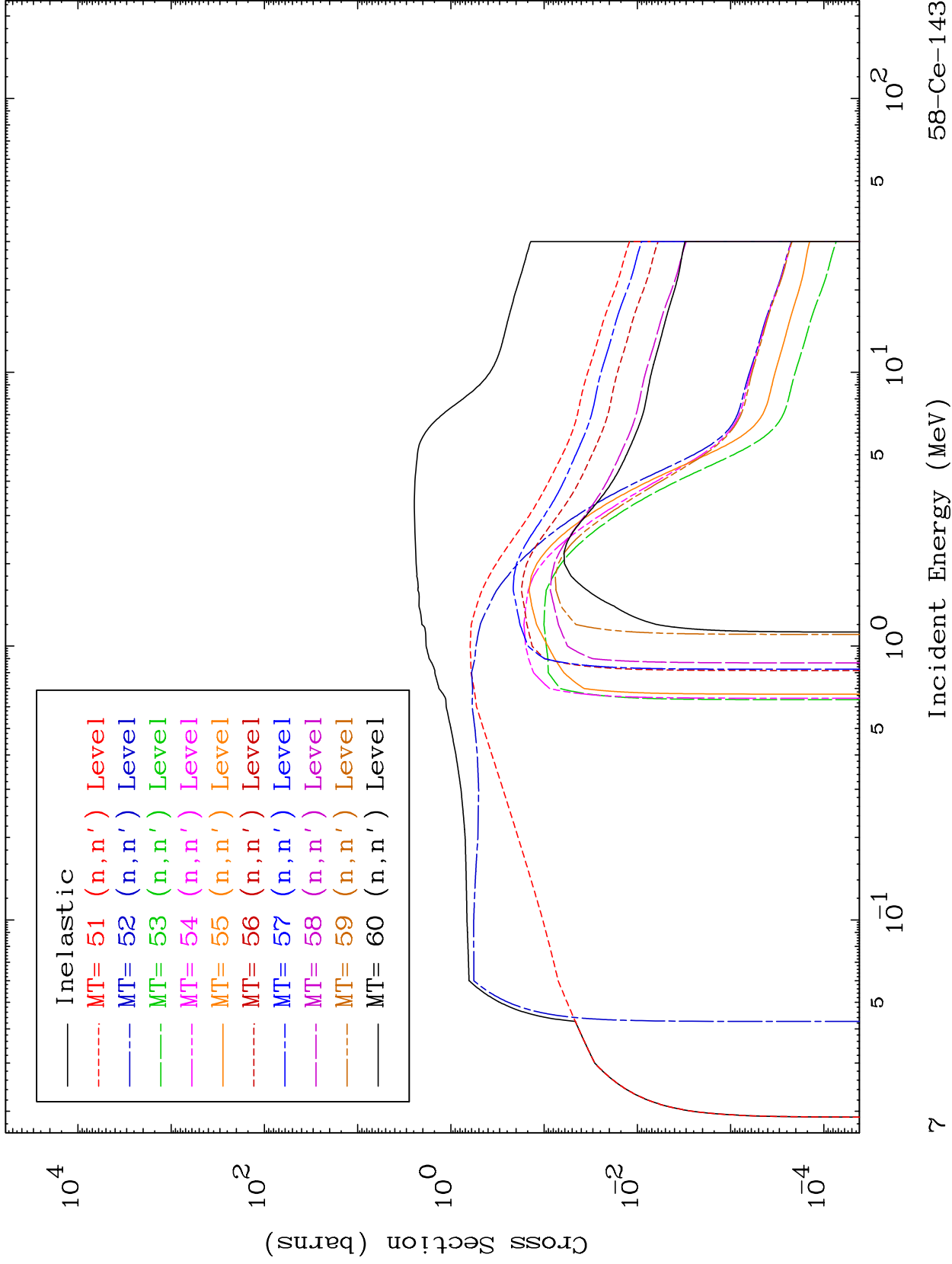


MAT 5846

Particle Production  
293 Kelvin Cross Sections

58-Ce-143





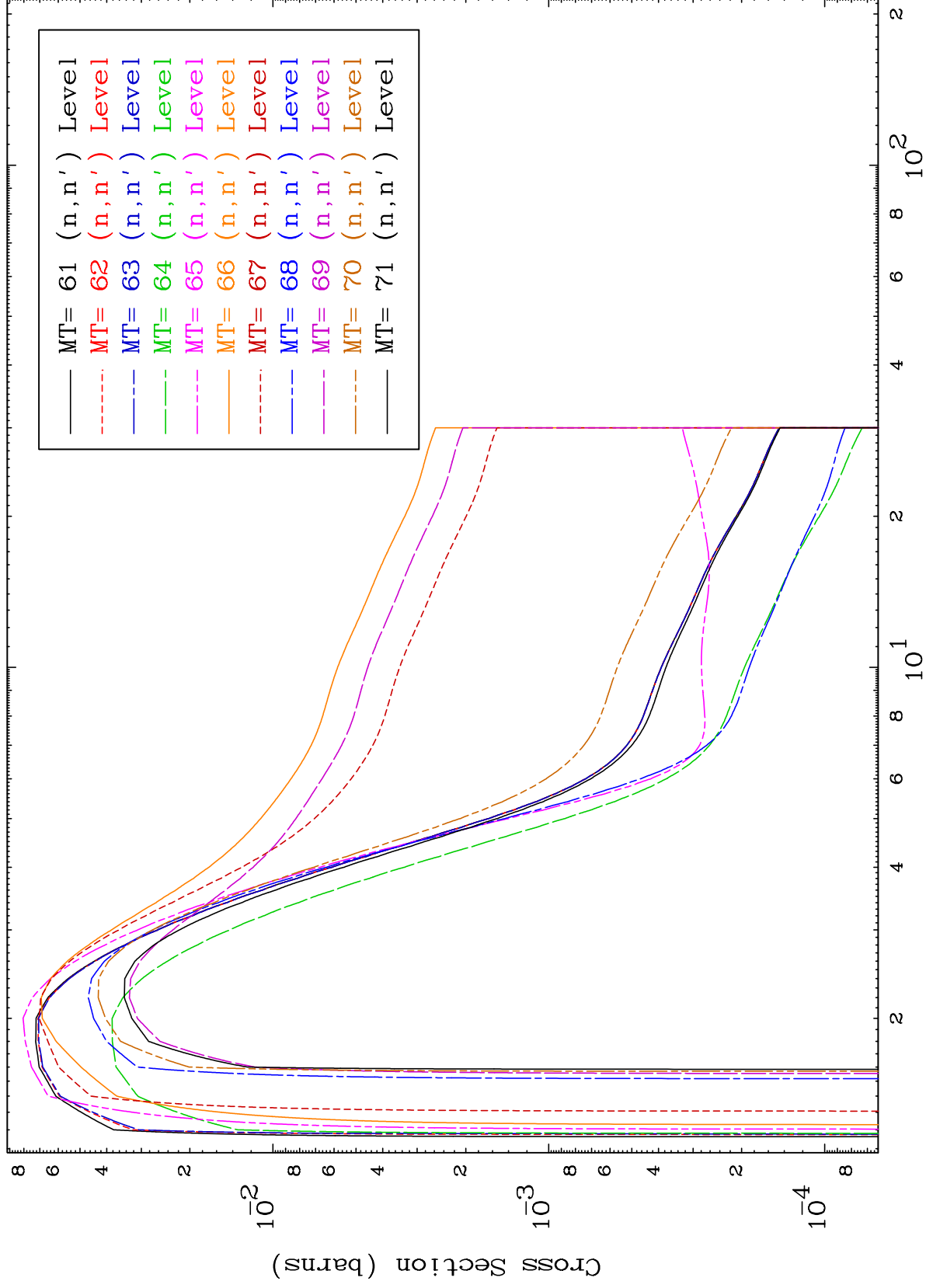


MAT 5846

(n,n') Level

58-Ce-143

293 Kelvin Cross Sections



Incident Energy (MeV)

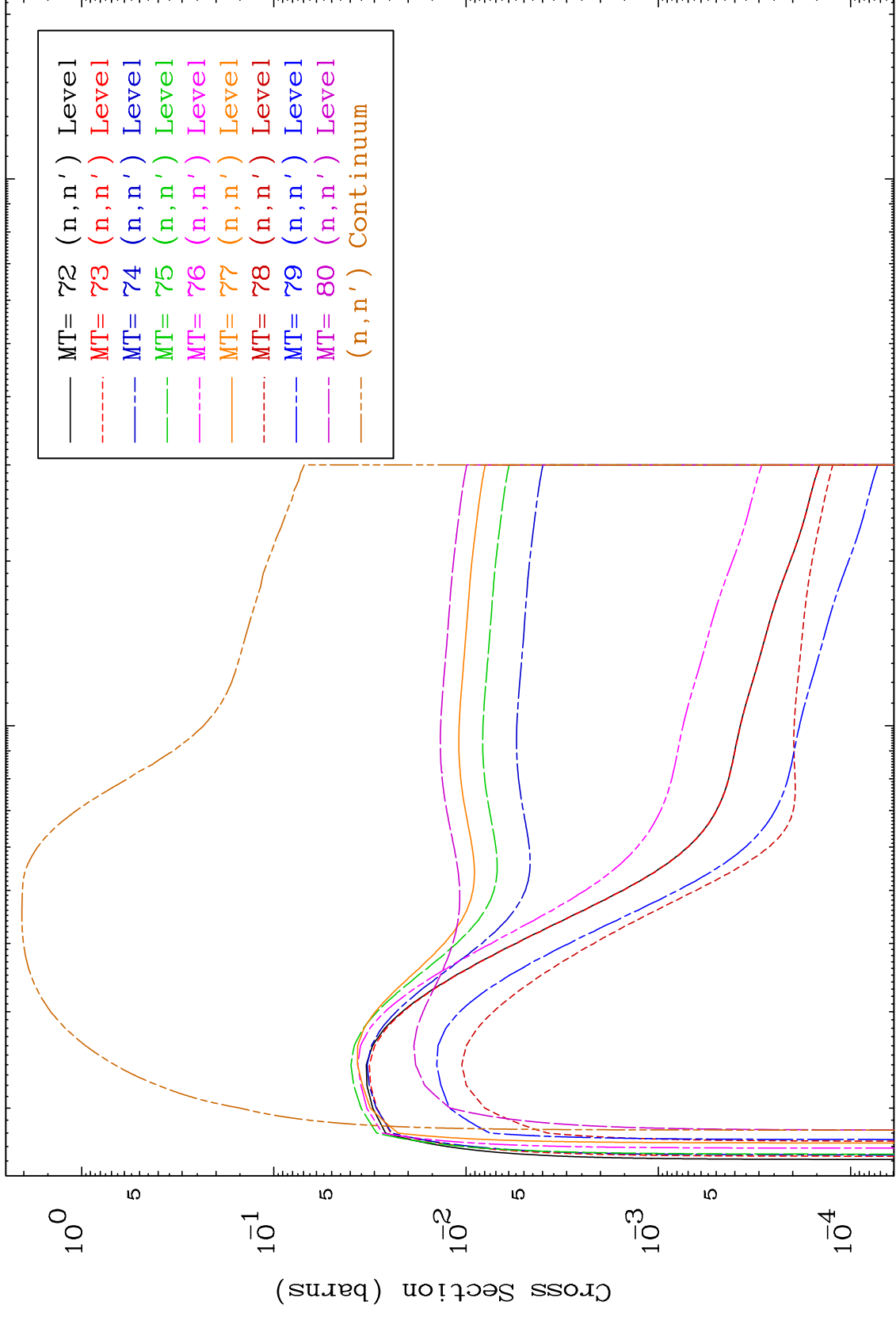
58-Ce-143

MAT 5846

(n,n') Level

58-Ce-143

293 Kelvin Cross Sections



9

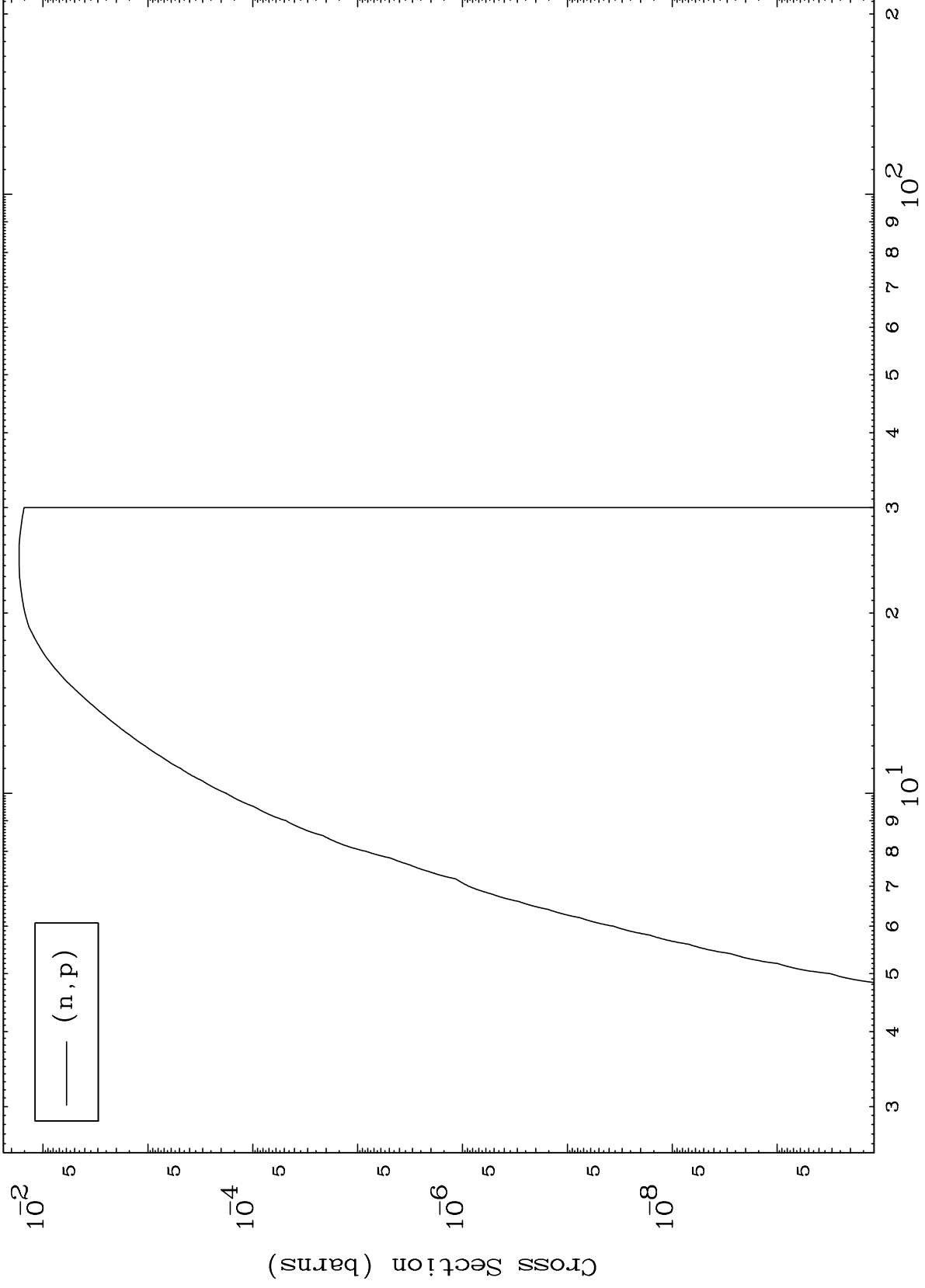
Incident Energy (MeV)

58-Ce-143

MAT 5846

(n,p) Levels  
293 Kelvin Cross Sections

58-Ce-143



10

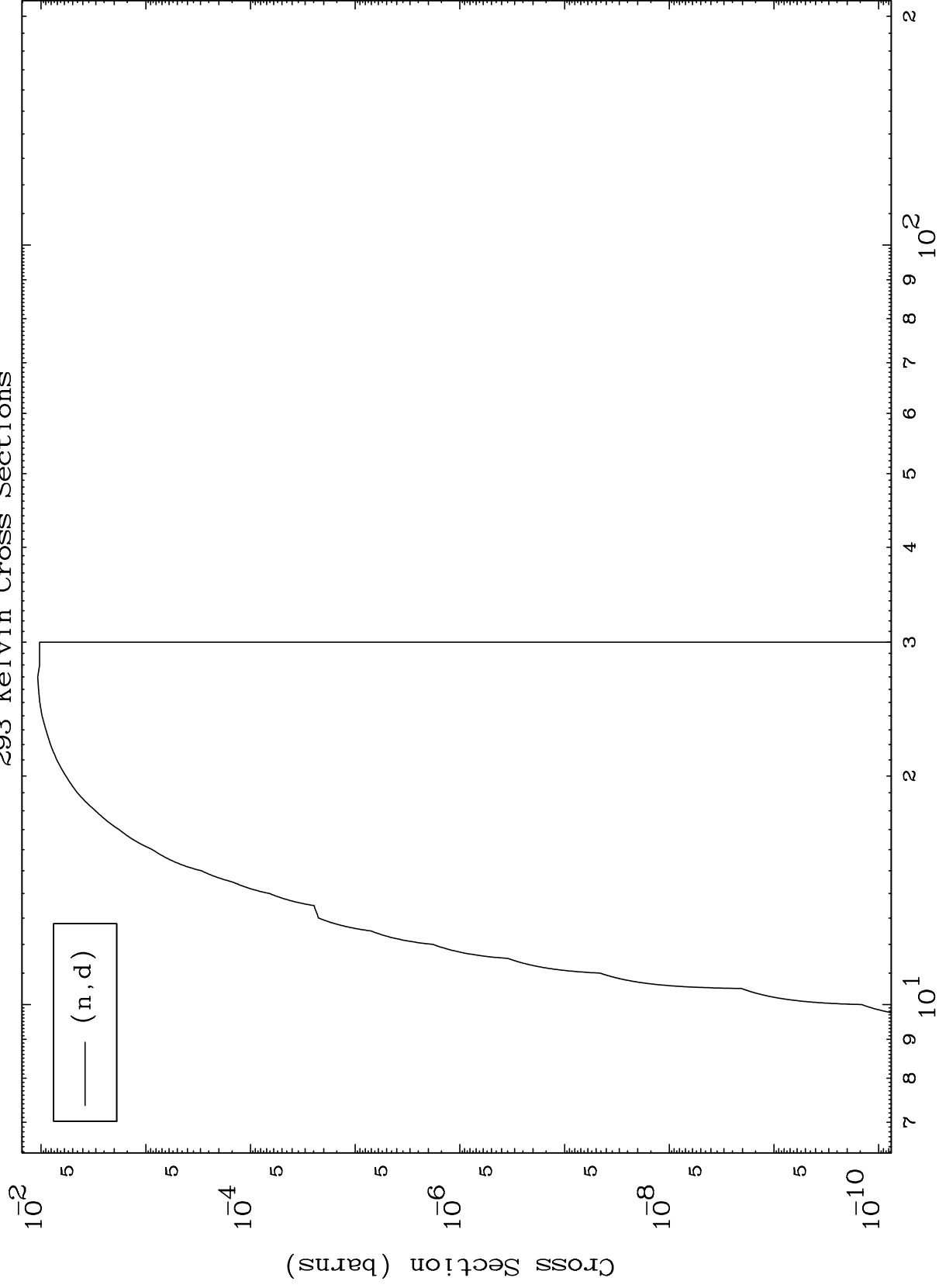
Incident Energy (MeV)

58-Ce-143

MAT 5846

(n,d) Levels  
293 Kelvin Cross Sections

58-Ce-143



11

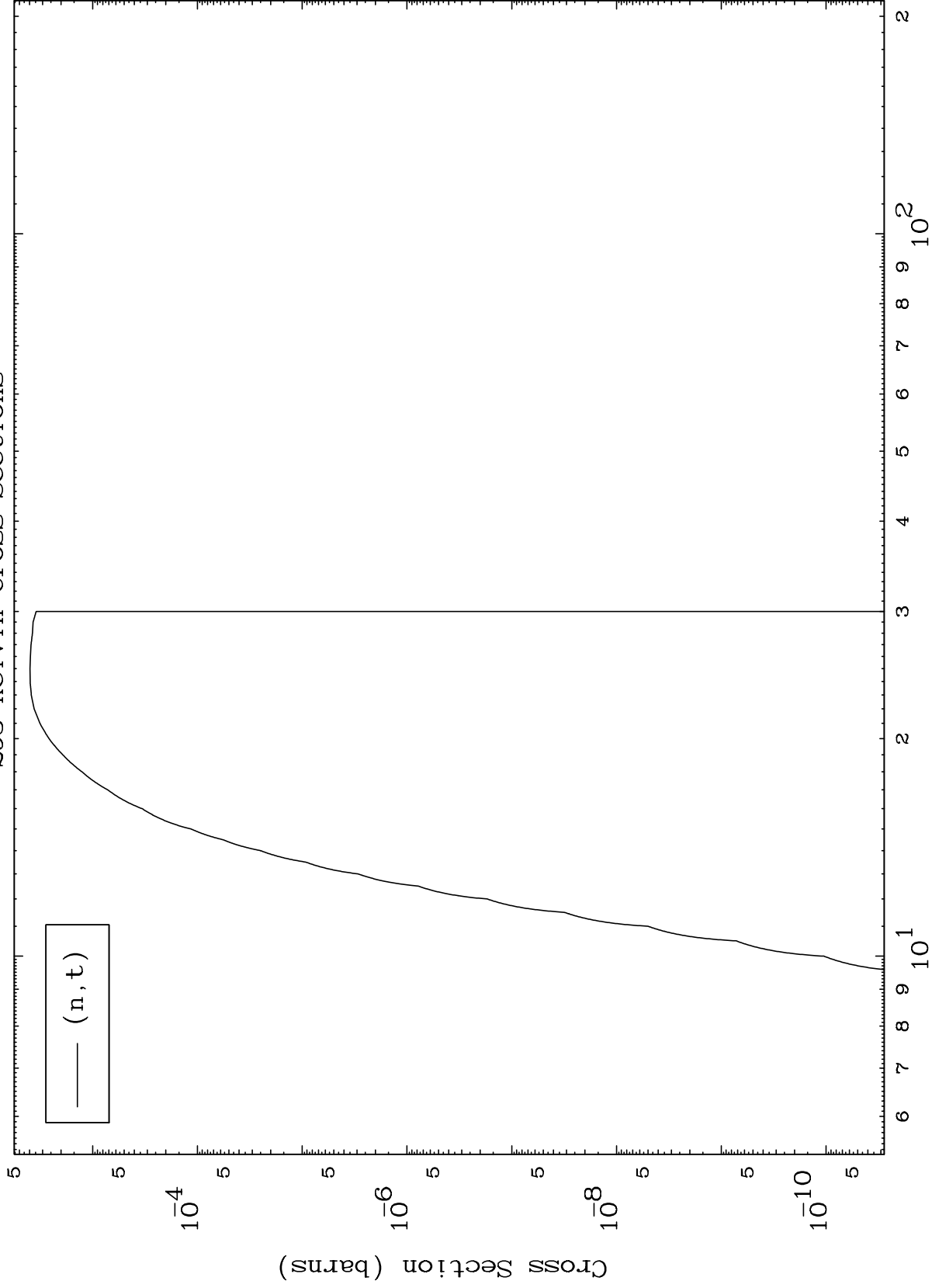
Incident Energy (MeV)

58-Ce-143

MAT 5846

(n,t) Levels  
293 Kelvin Cross Sections

58-Ce-143



12

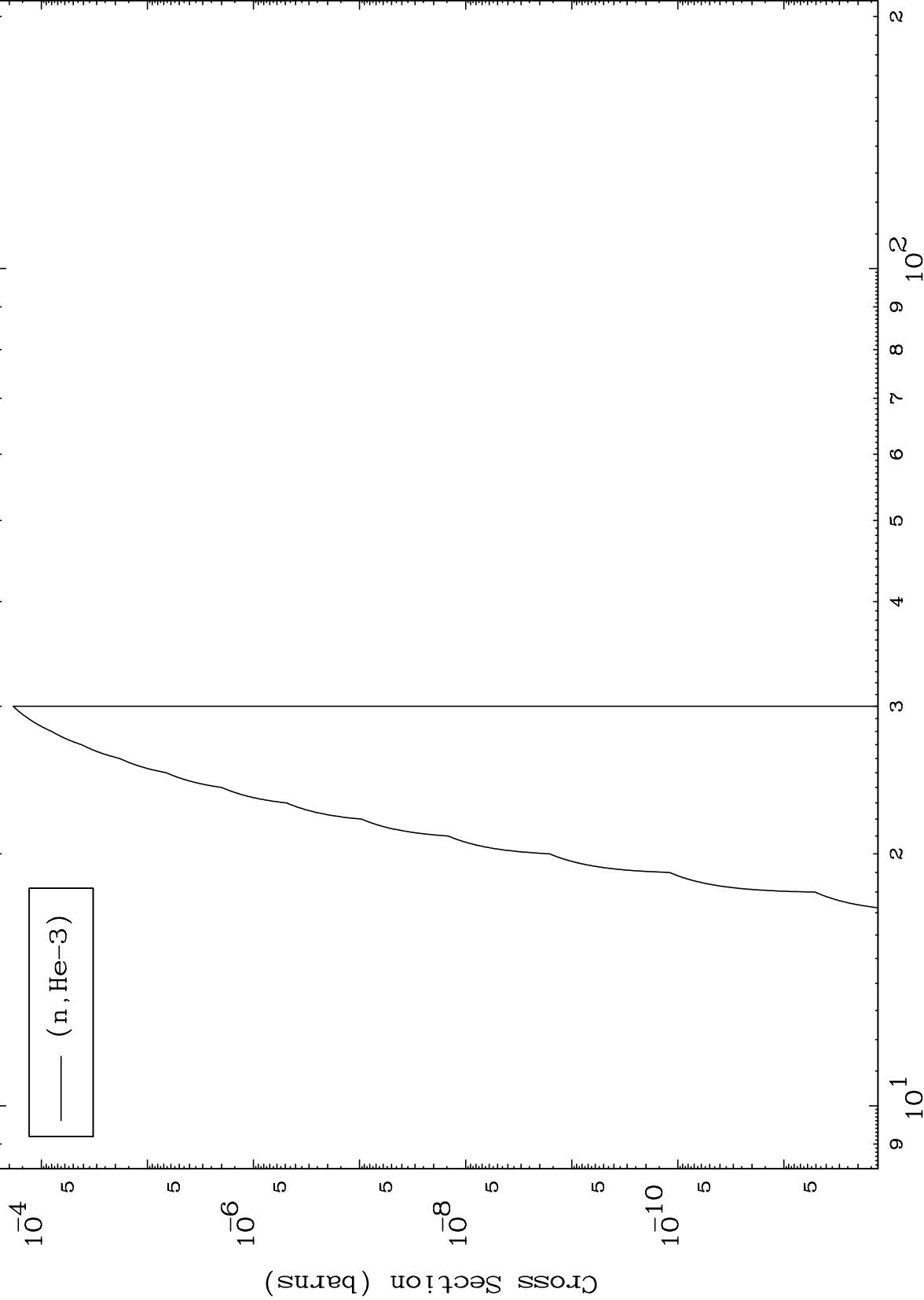
Incident Energy (MeV)

58-Ce-143

MAT 5846

(n,He3) Levels  
293 Kelvin Cross Sections

58-Ce-143



13

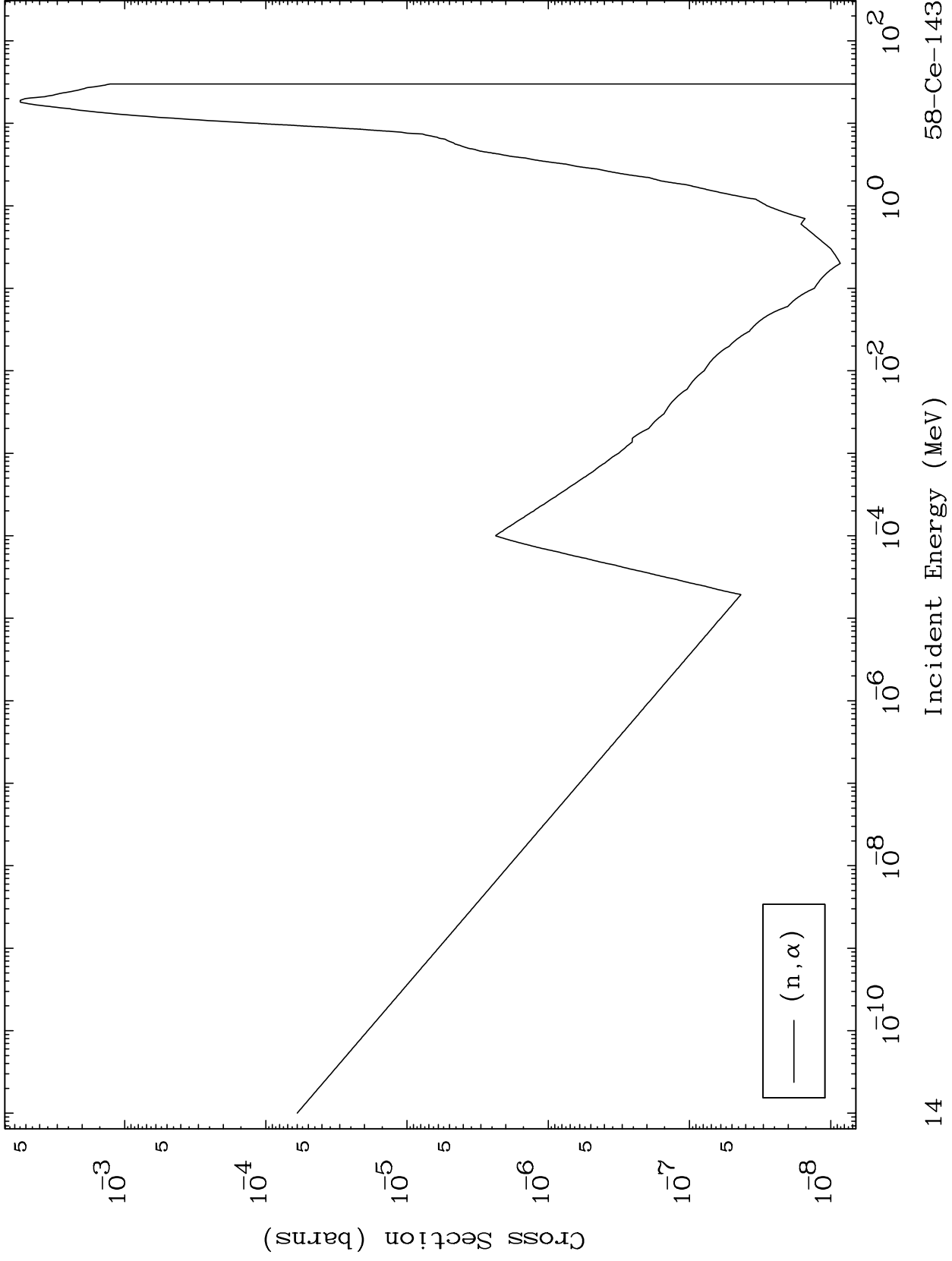
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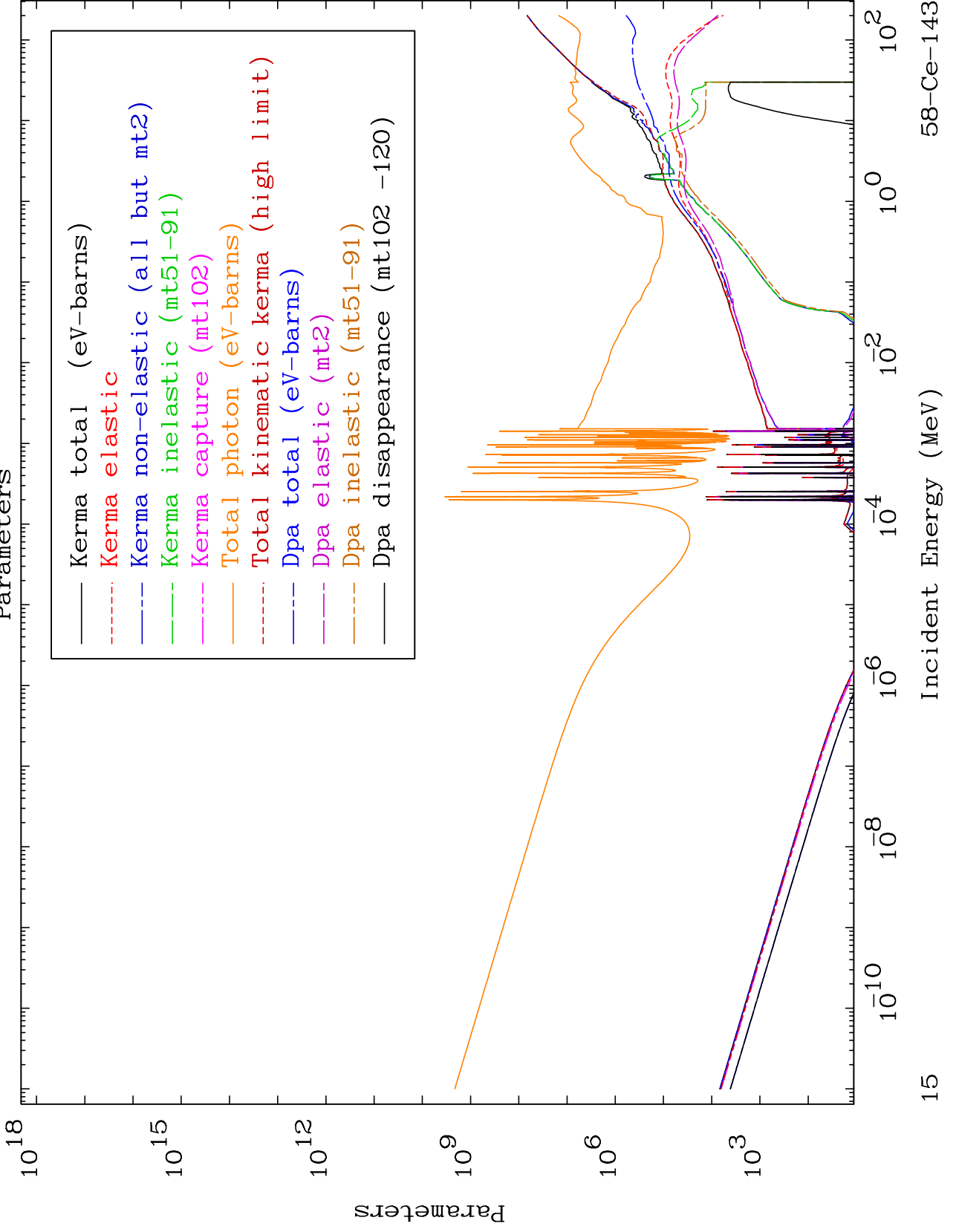
58-Ce-143

MAT 5846

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

58-Ce-143



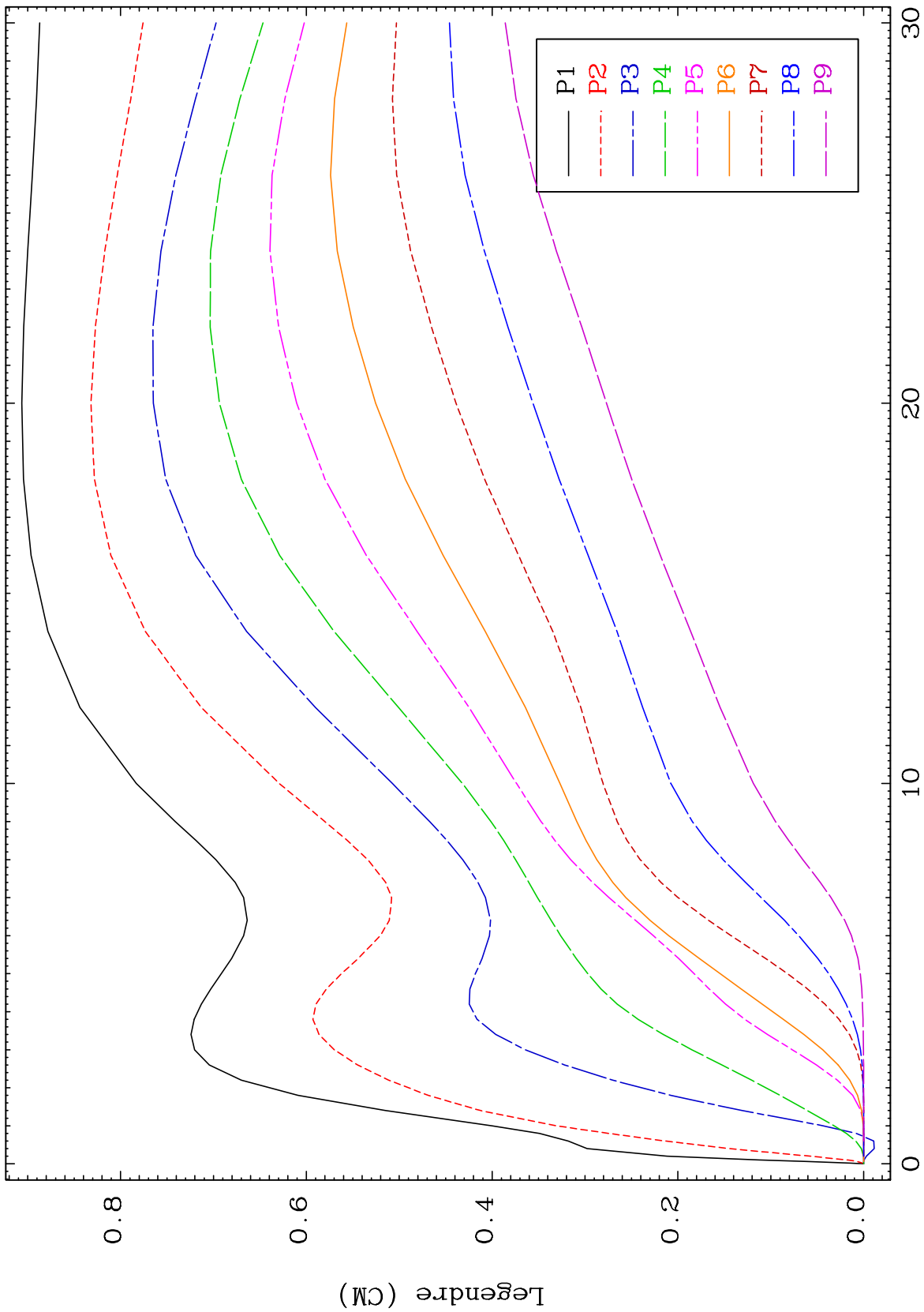




MAT 5846

Elastic Legendre Coefficients

58-Ce-143



16

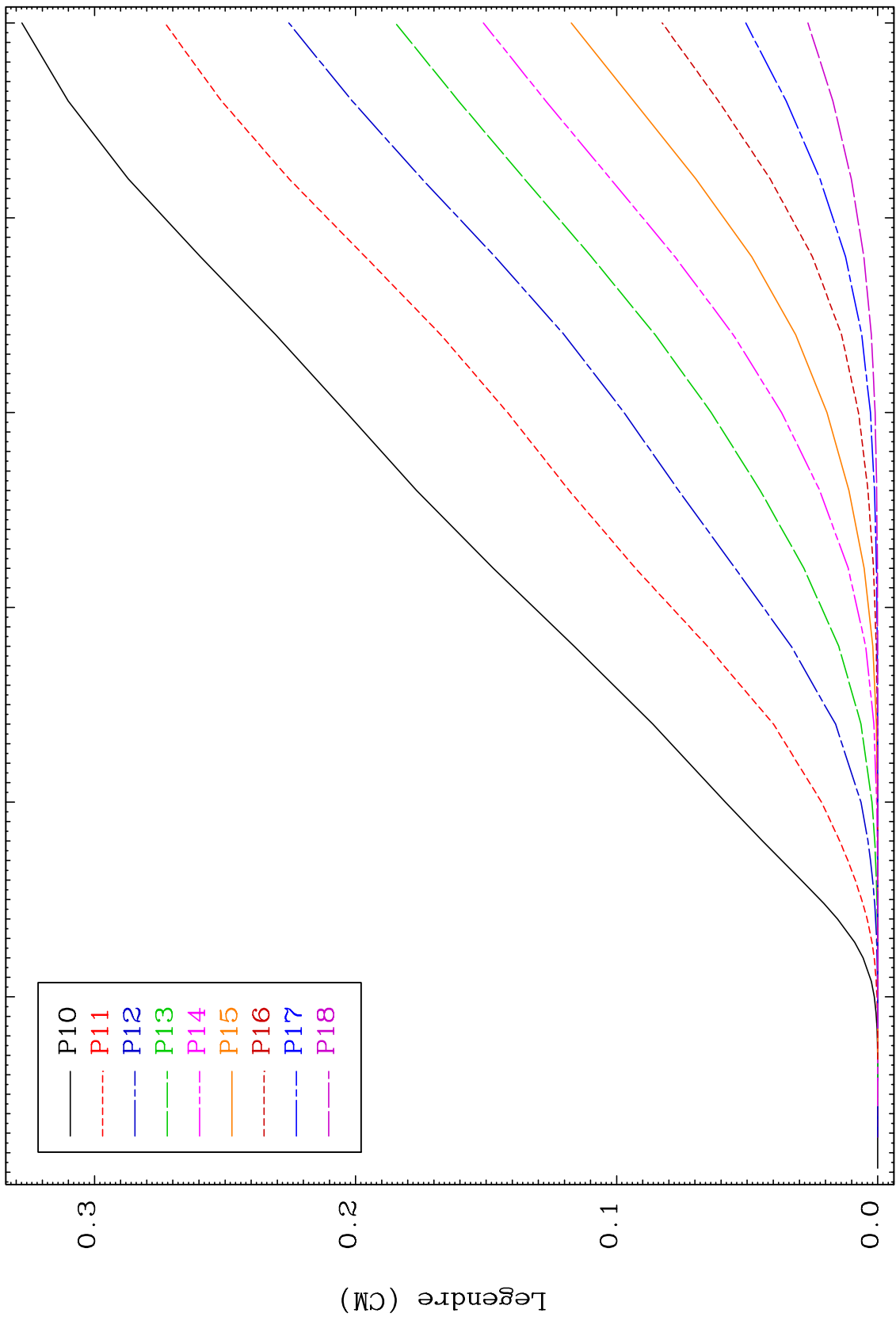
Incident Energy (MeV)

58-Ce-143

MAT 5846

Elastic Legendre Coefficients

58-Ce-143



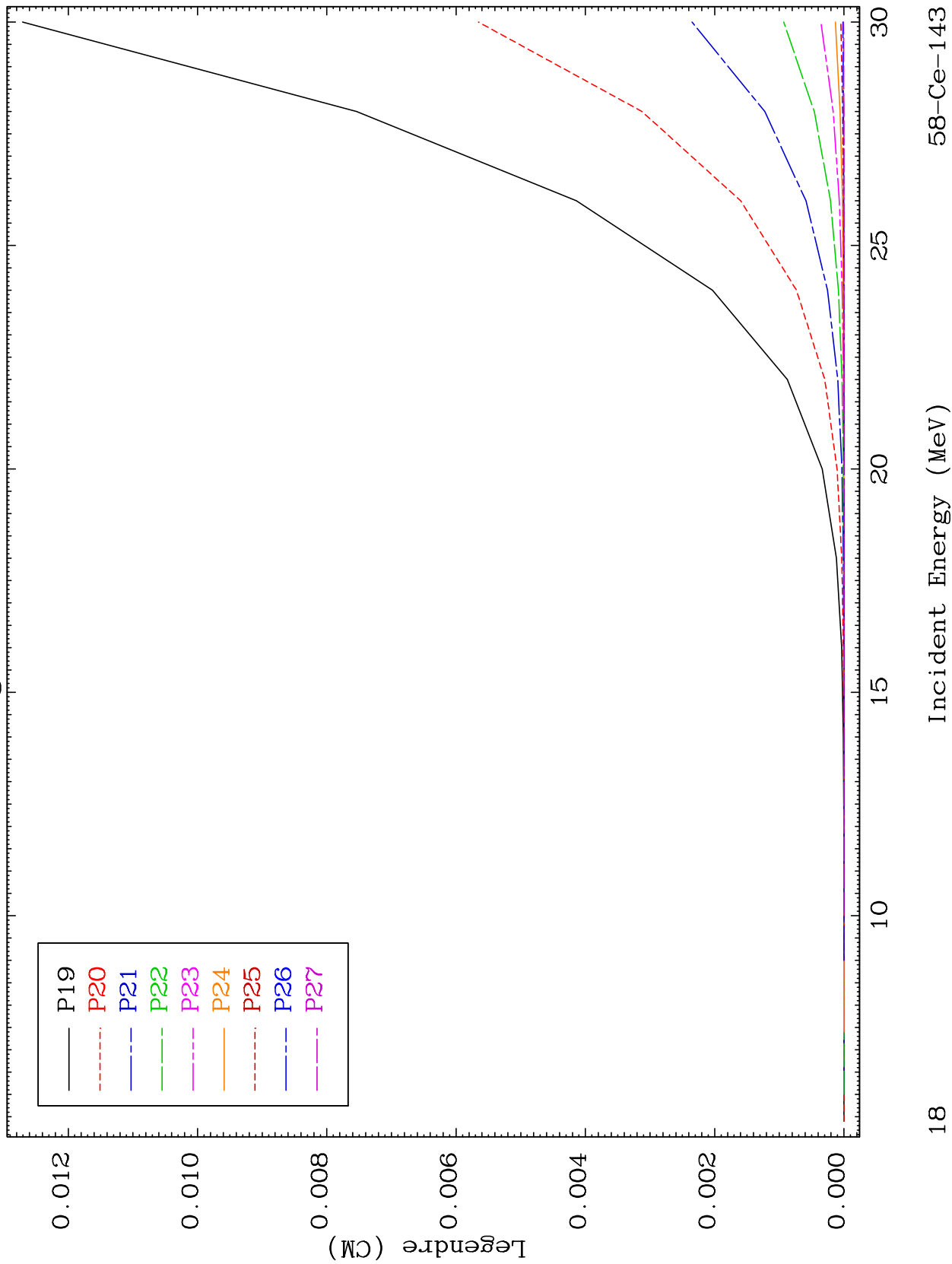
17

58-Ce-143

MAT 5846

### Elastic Legendre Coefficients

58-Ce-143



18

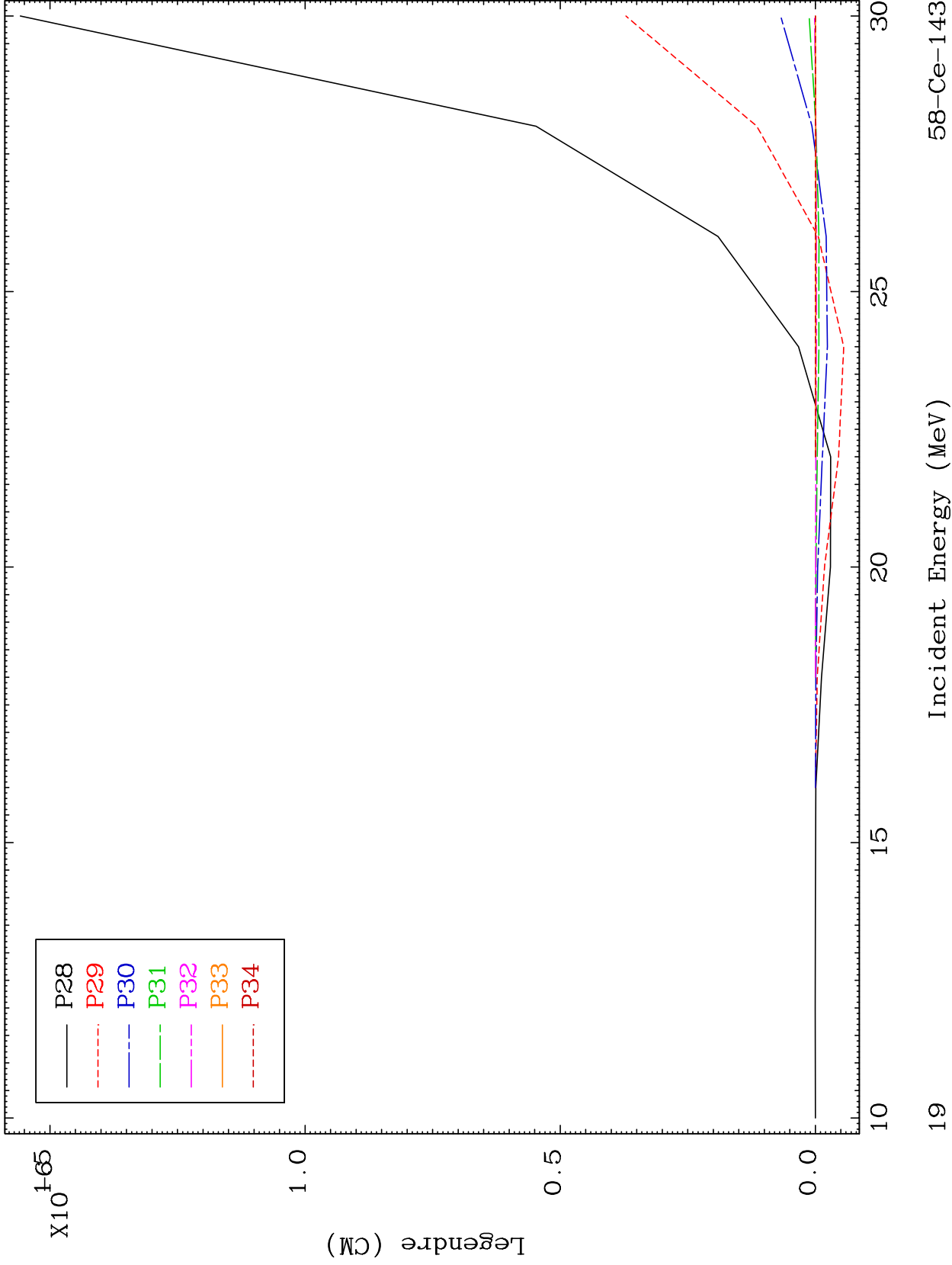
Incident Energy (MeV)

58-Ce-143

MAT 5846

Elastic  
Legendre Coefficients

58-Ce-143



19

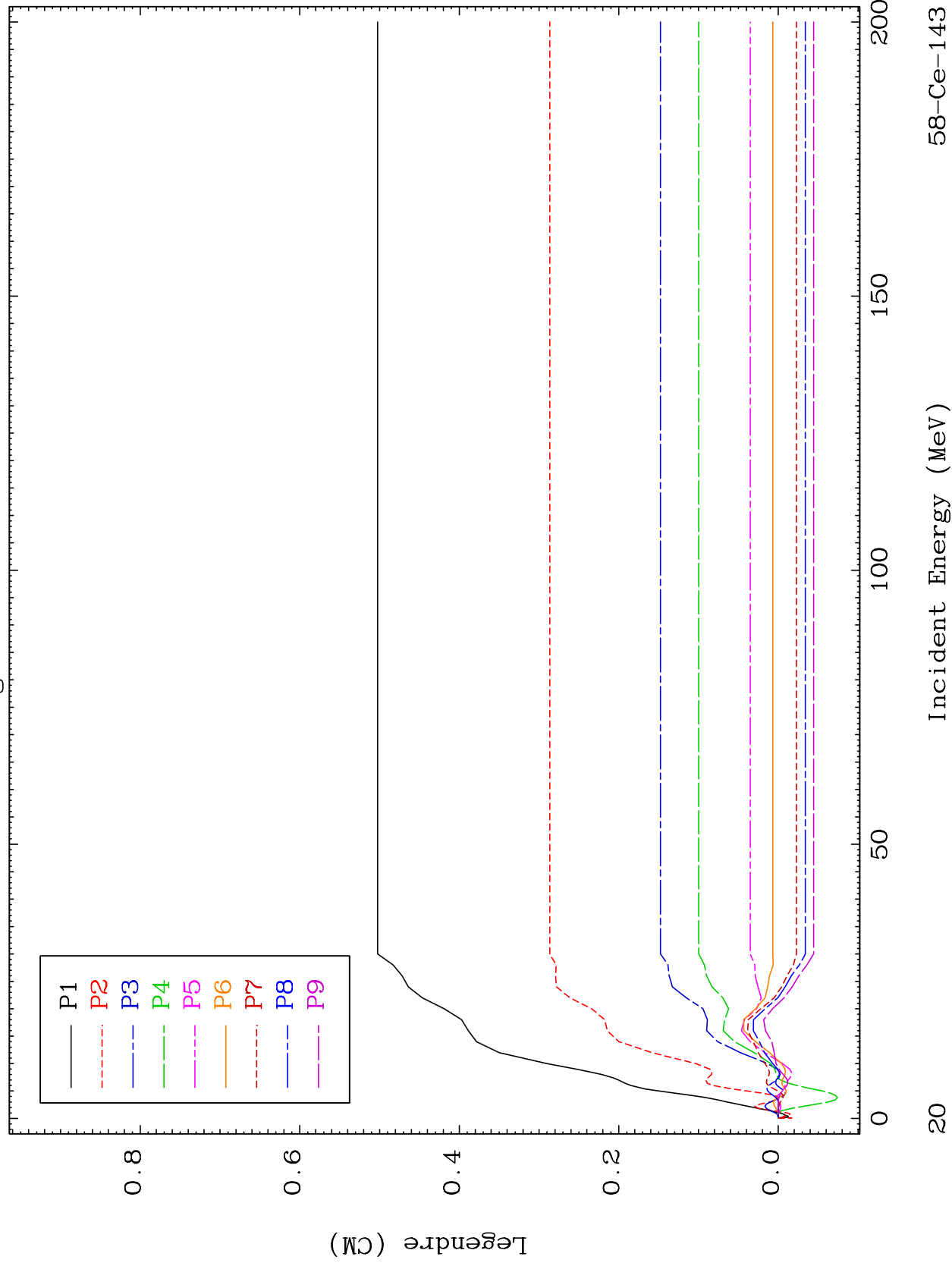
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143



58-Ce-143

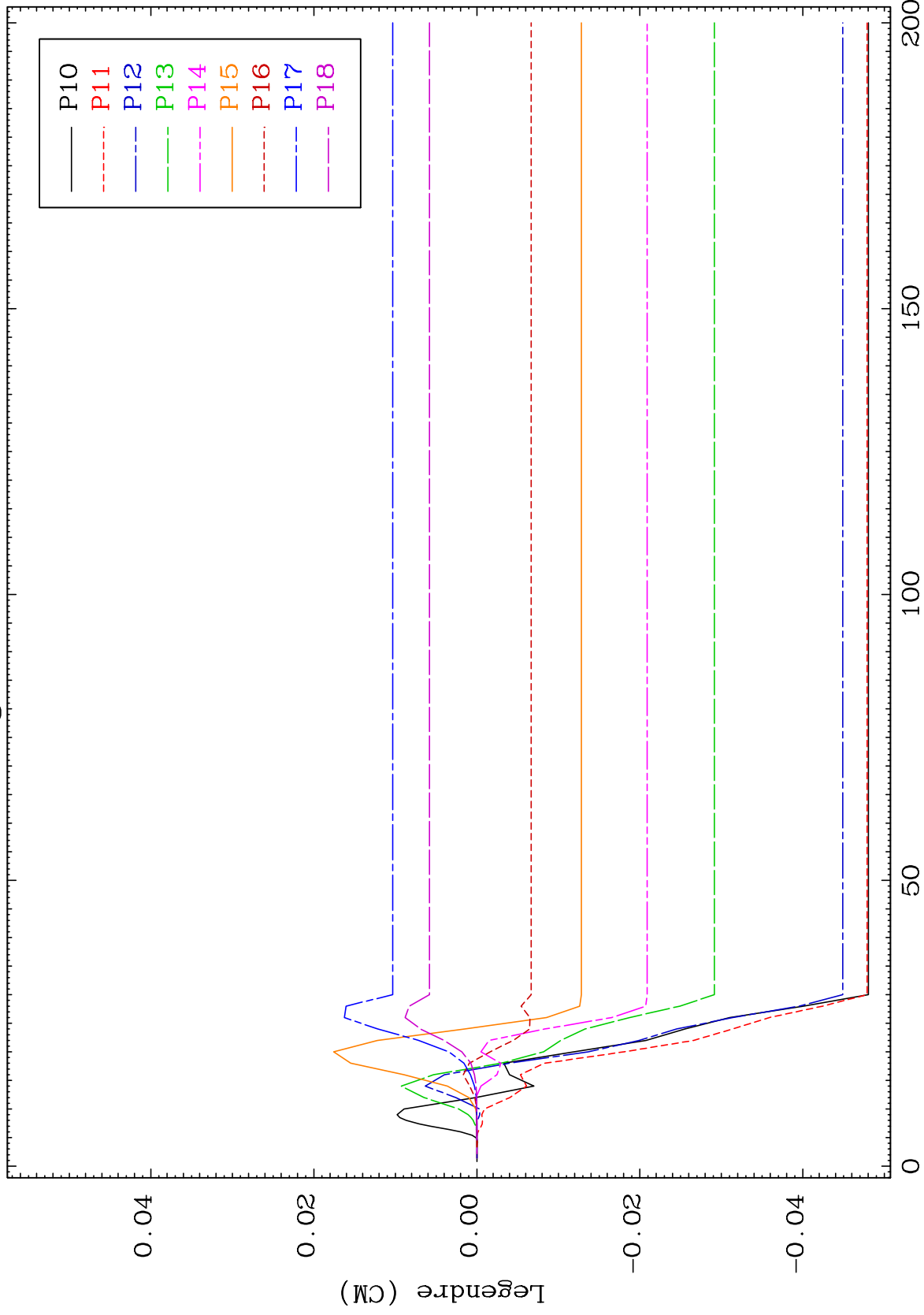
Incident Energy (MeV)

20

MAT 5846

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

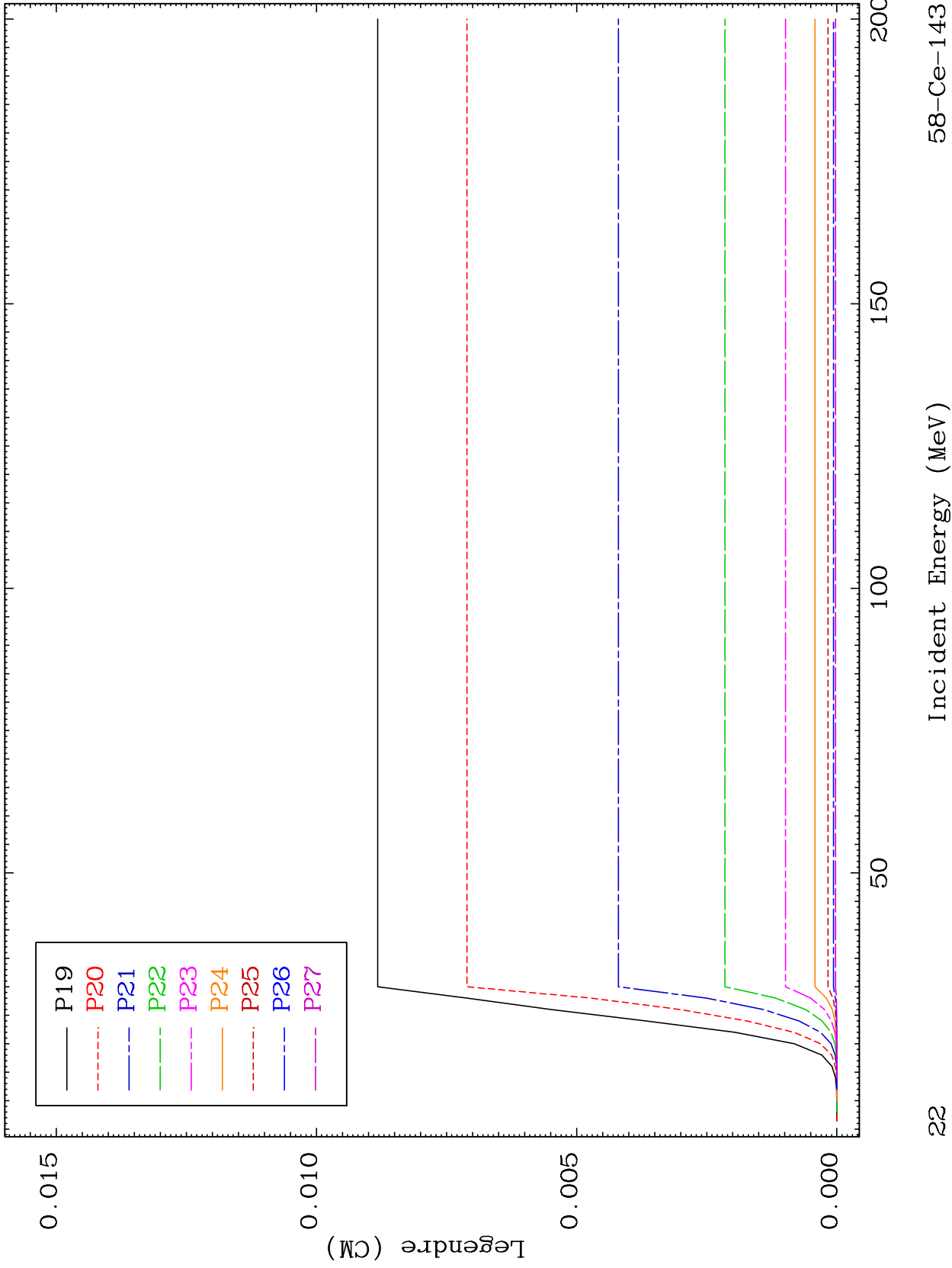
58-Ce-143



21

Incident Energy (MeV)

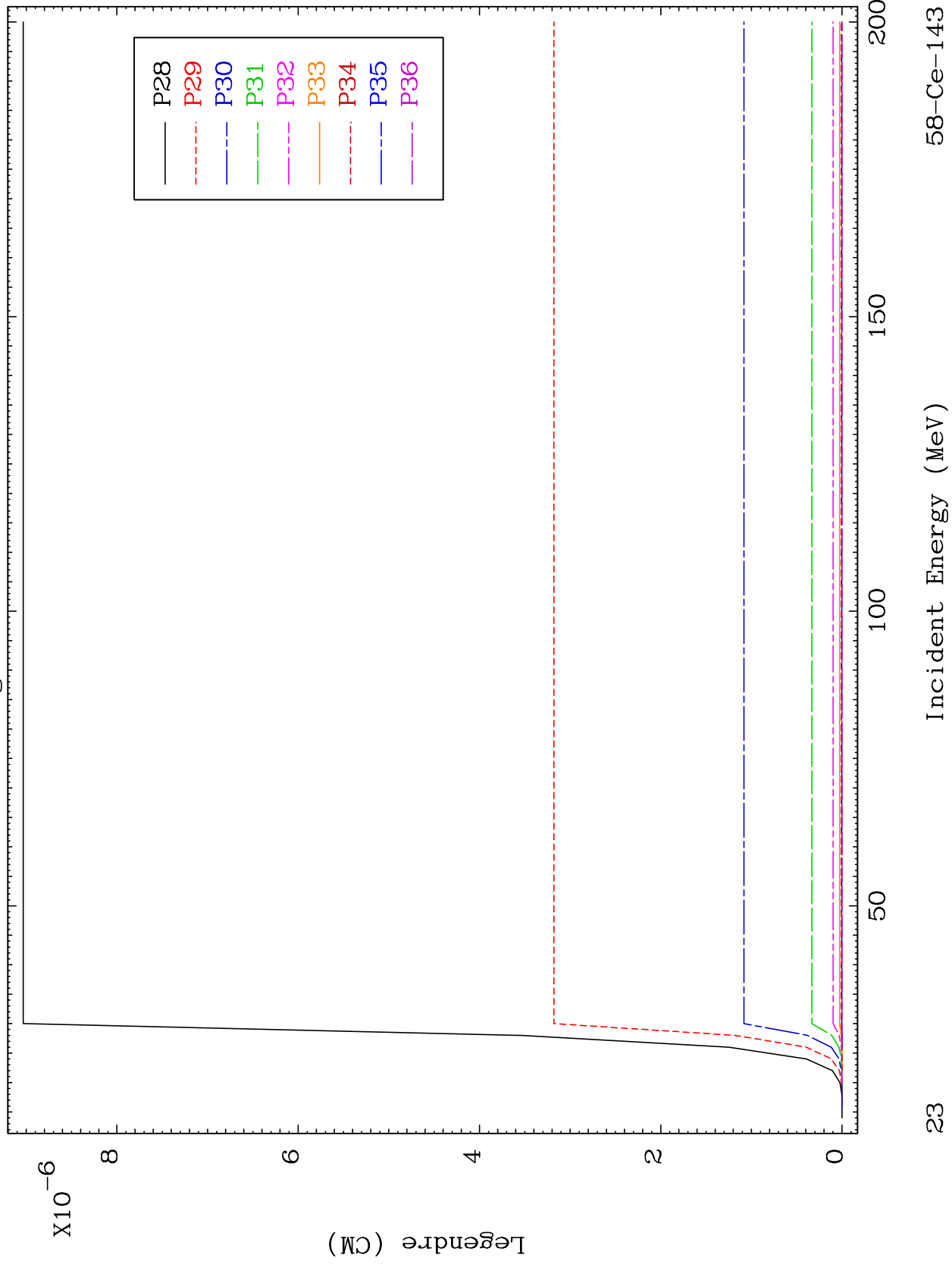
58-Ce-143



MAT 5846

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

58-Ce-143



23

Incident Energy (MeV)

58-Ce-143

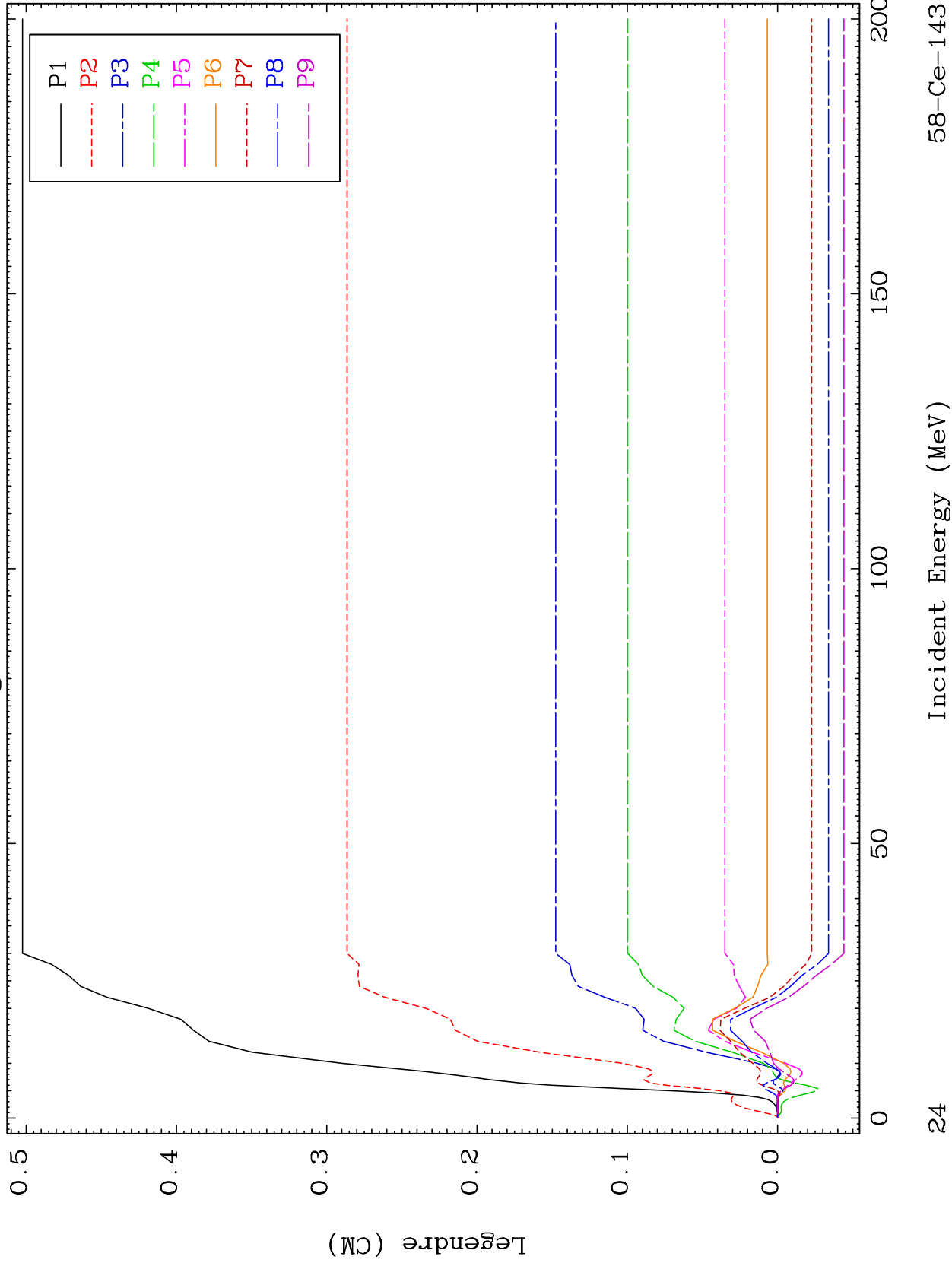


MAT 5846

MT= 52 (n,n') Level

58-Ce-143

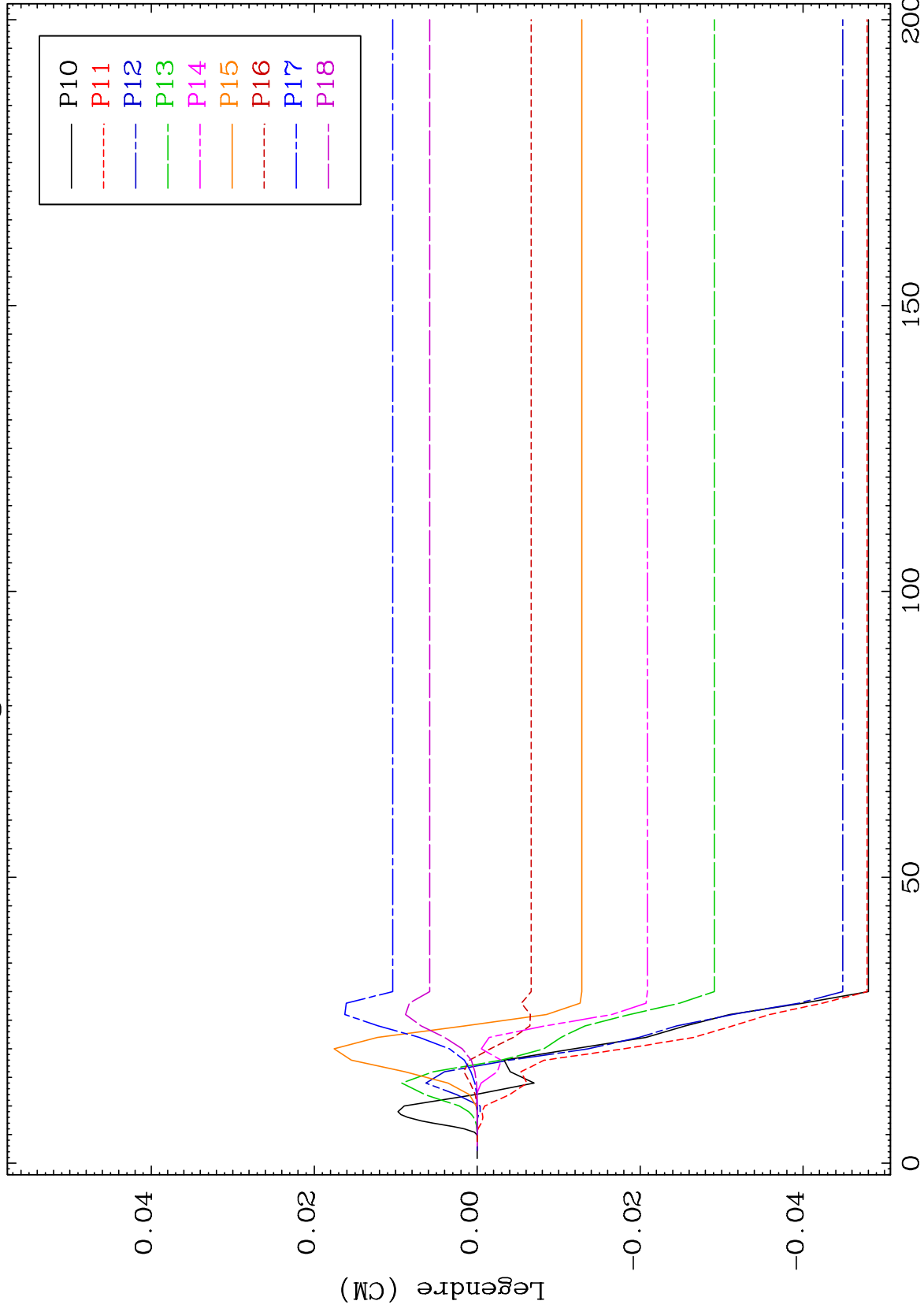
Legendre Coefficients



MAT 5846

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

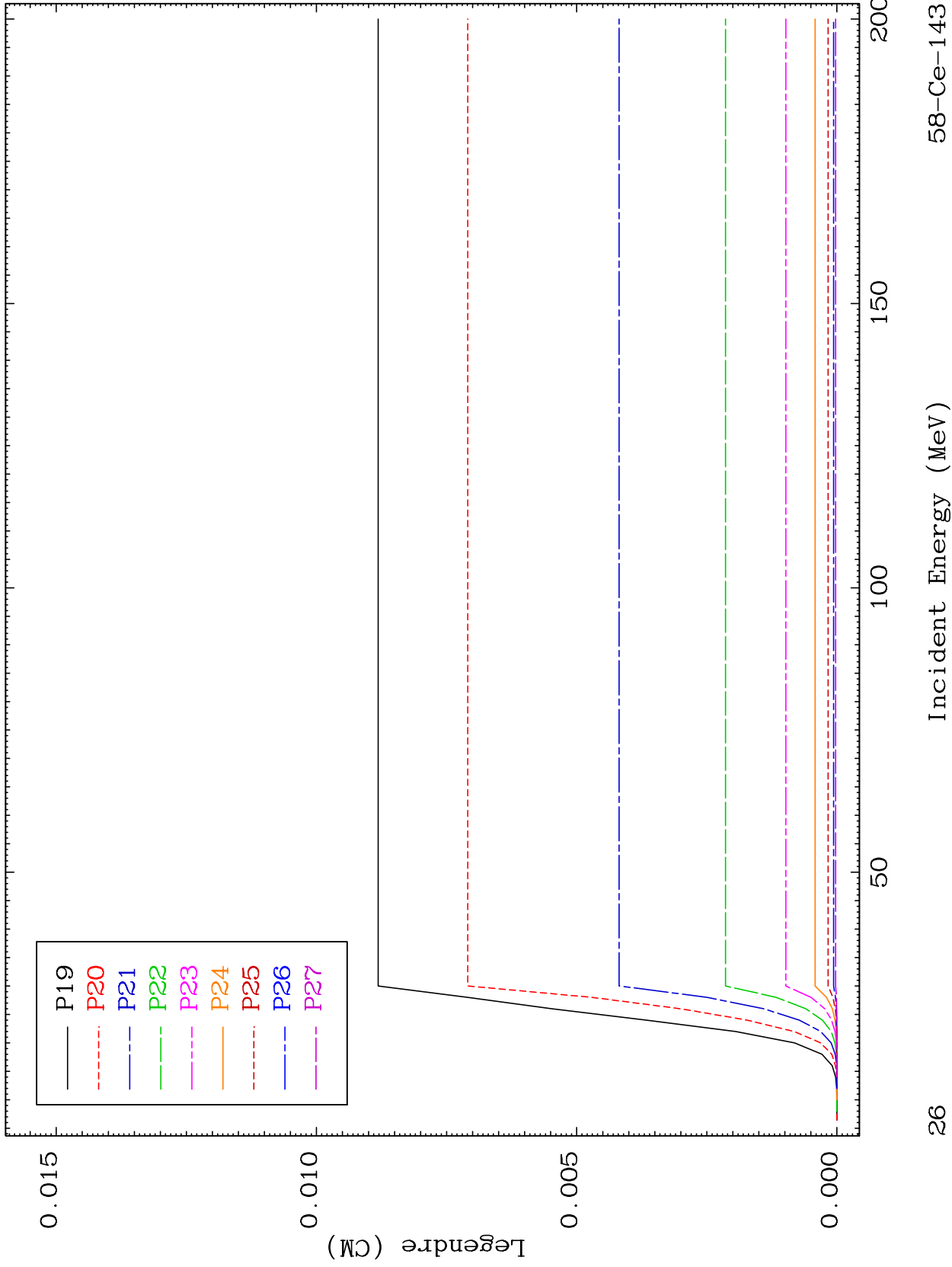
58-Ce-143



25

Incident Energy (MeV)

58-Ce-143

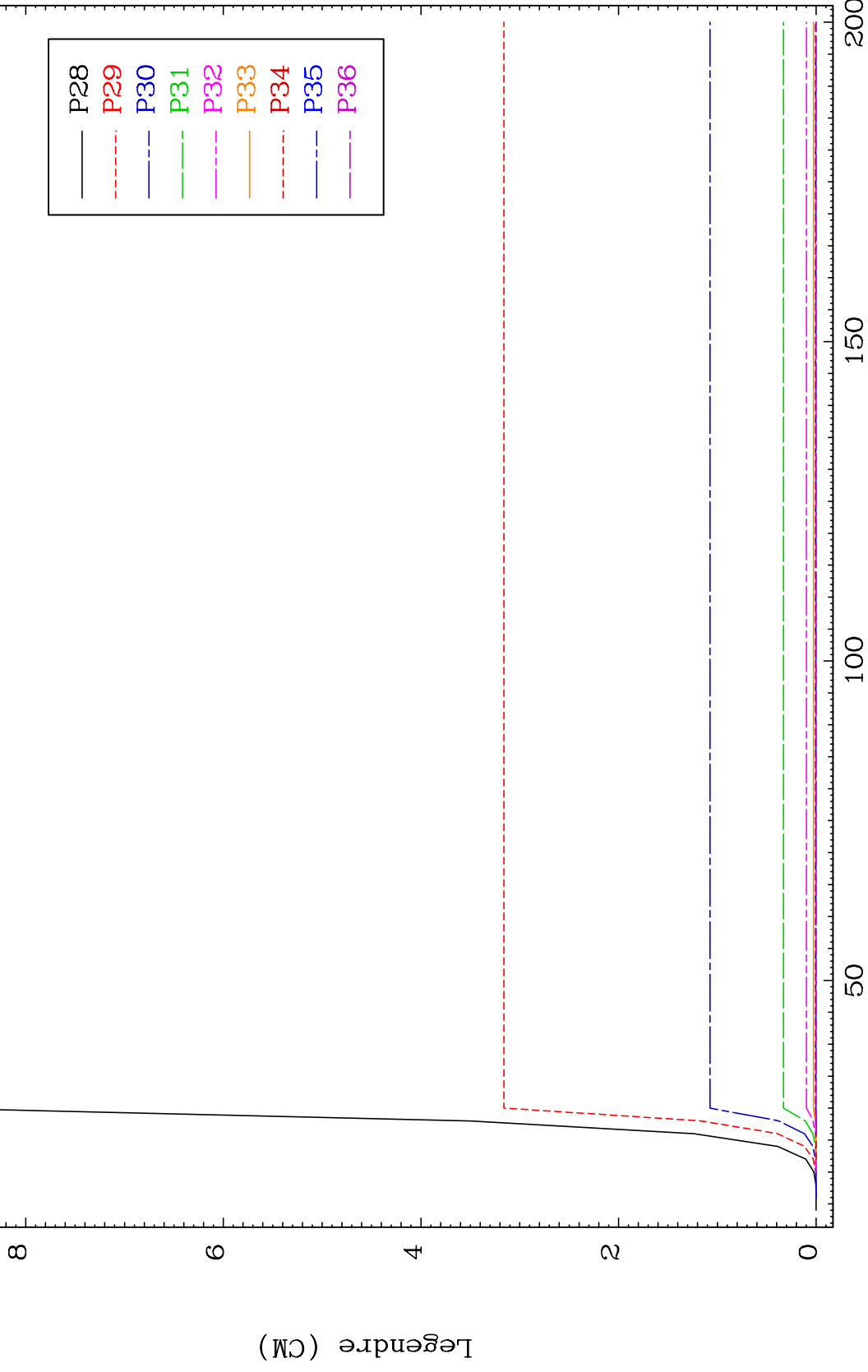


MAT 5846

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

58-Ce-143

$\times 10^{-6}$



27

Incident Energy (MeV)

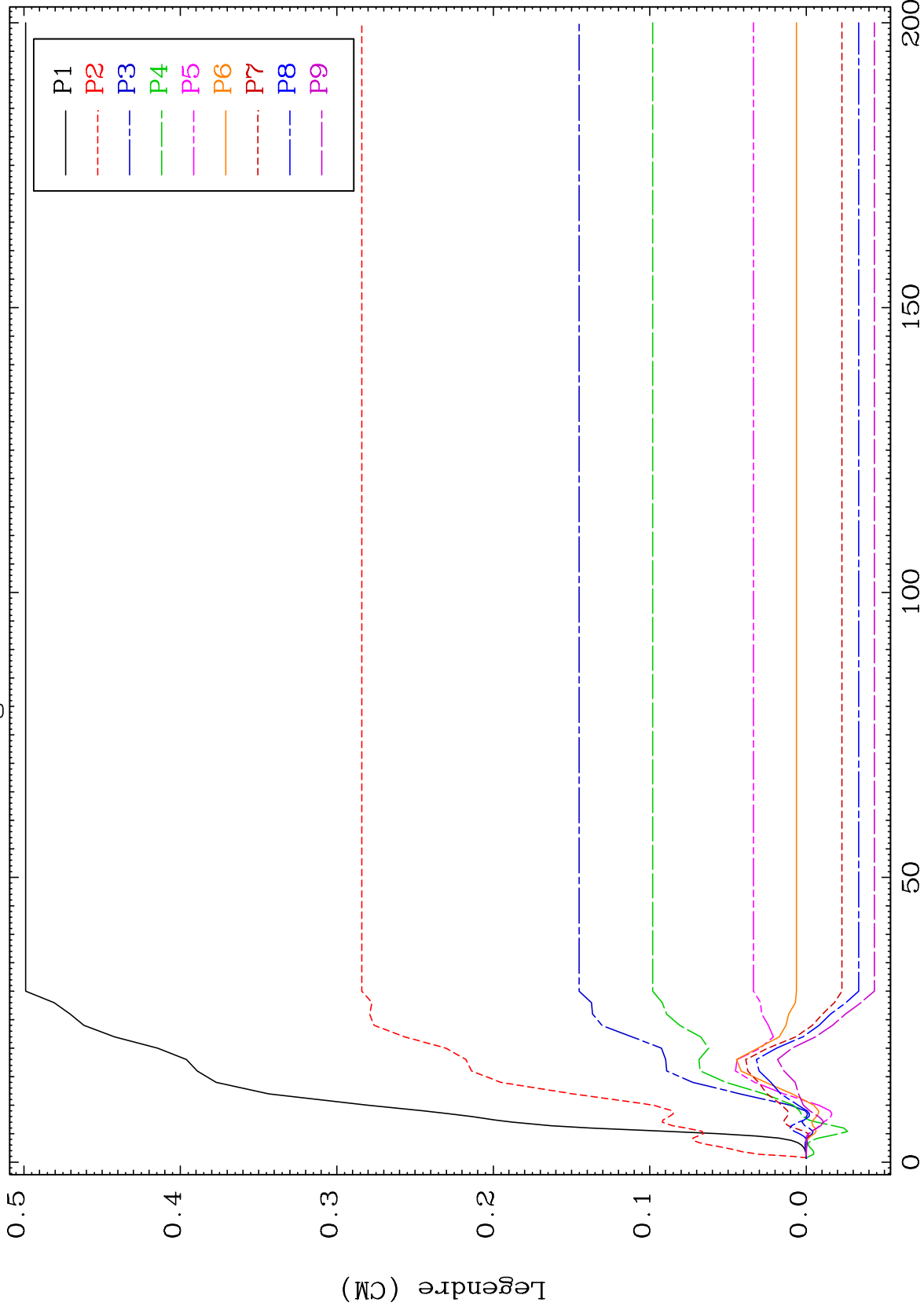
58-Ce-143

MAT 5846

MT= 53 (n,n') Level

58-Ce-143

Legendre Coefficients



28

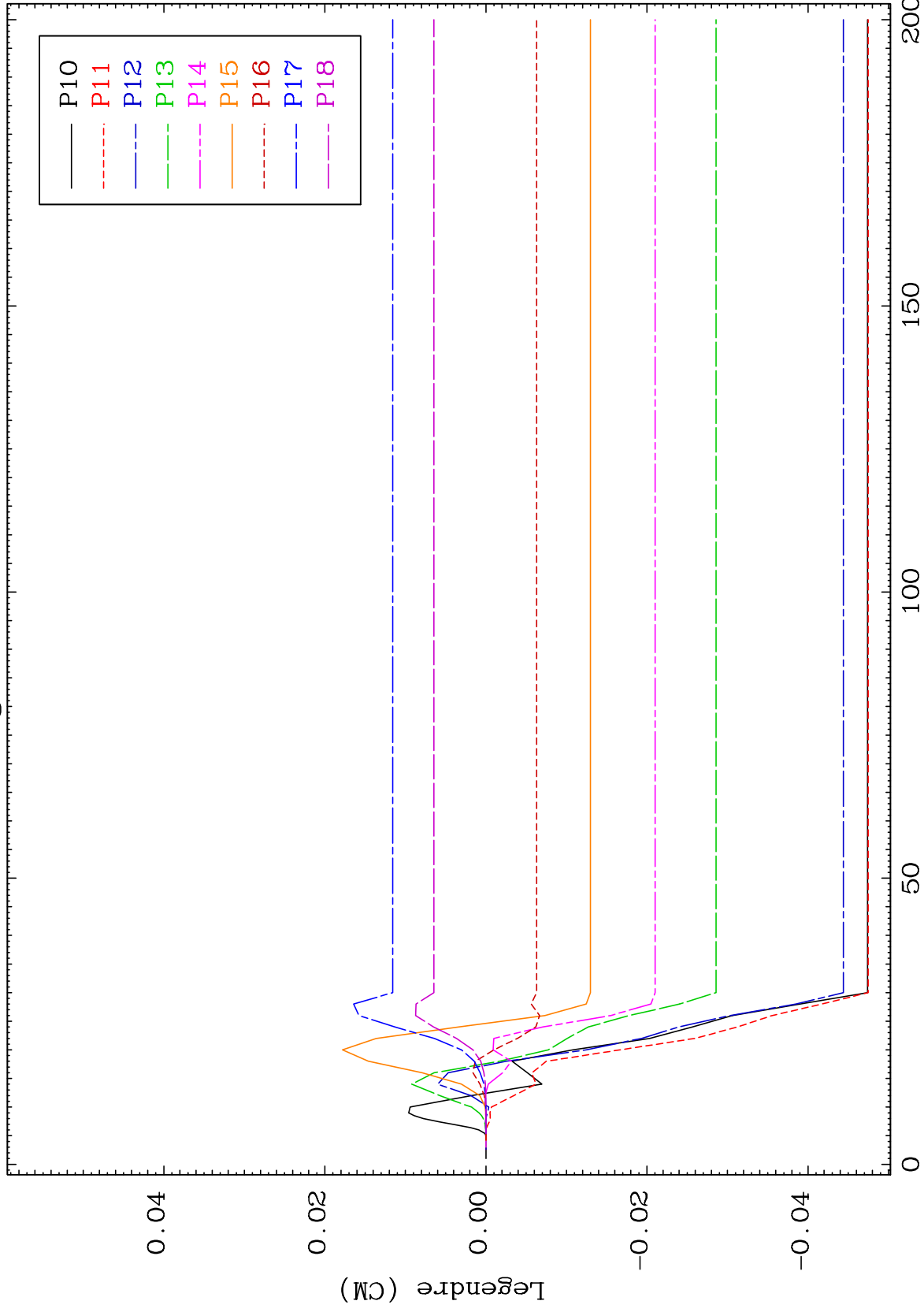
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143



29

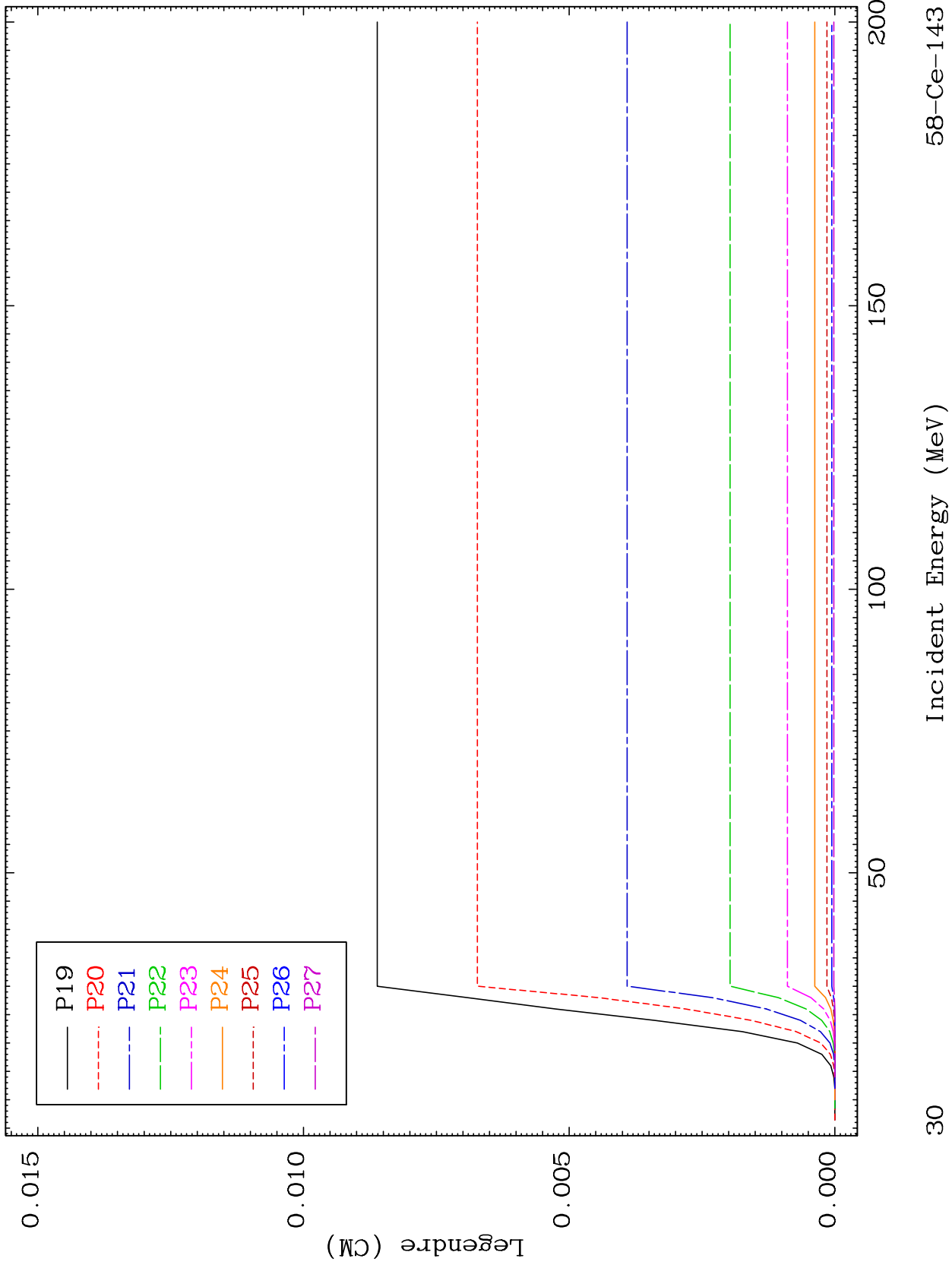
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143



58-Ce-143

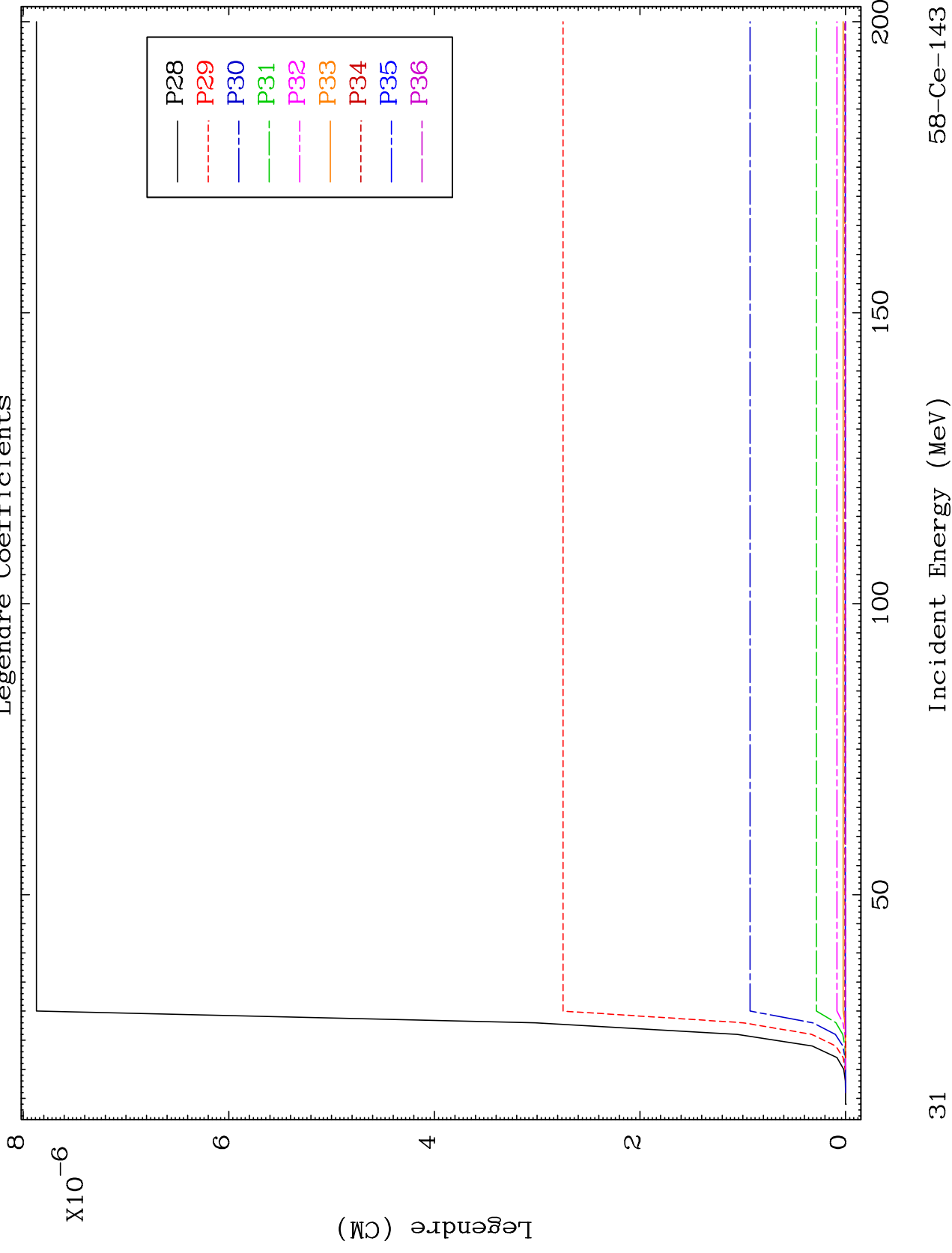
Incident Energy (MeV)

30

MAT 5846

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

58-Ce-143

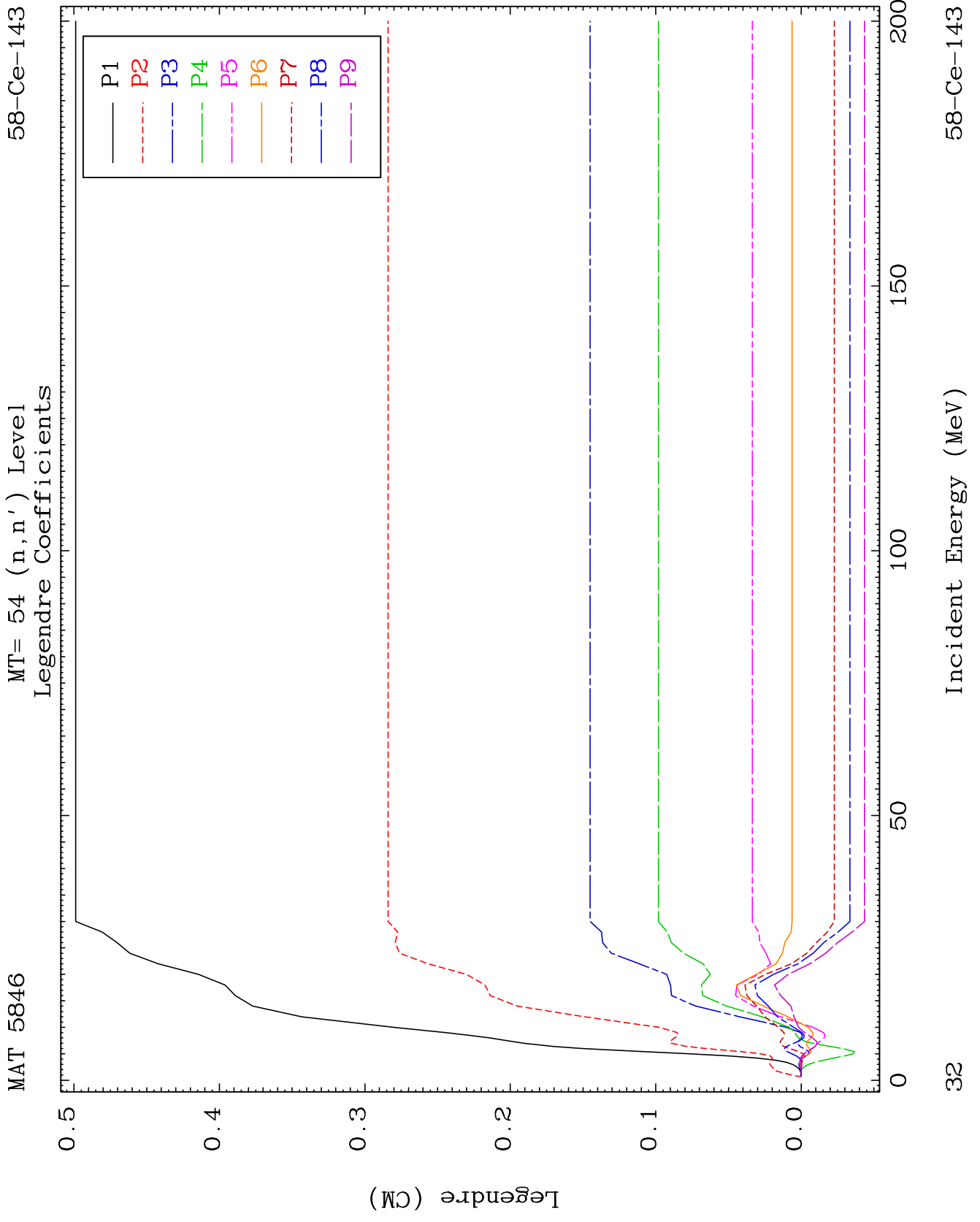


31

Incident Energy (MeV)

58-Ce-143

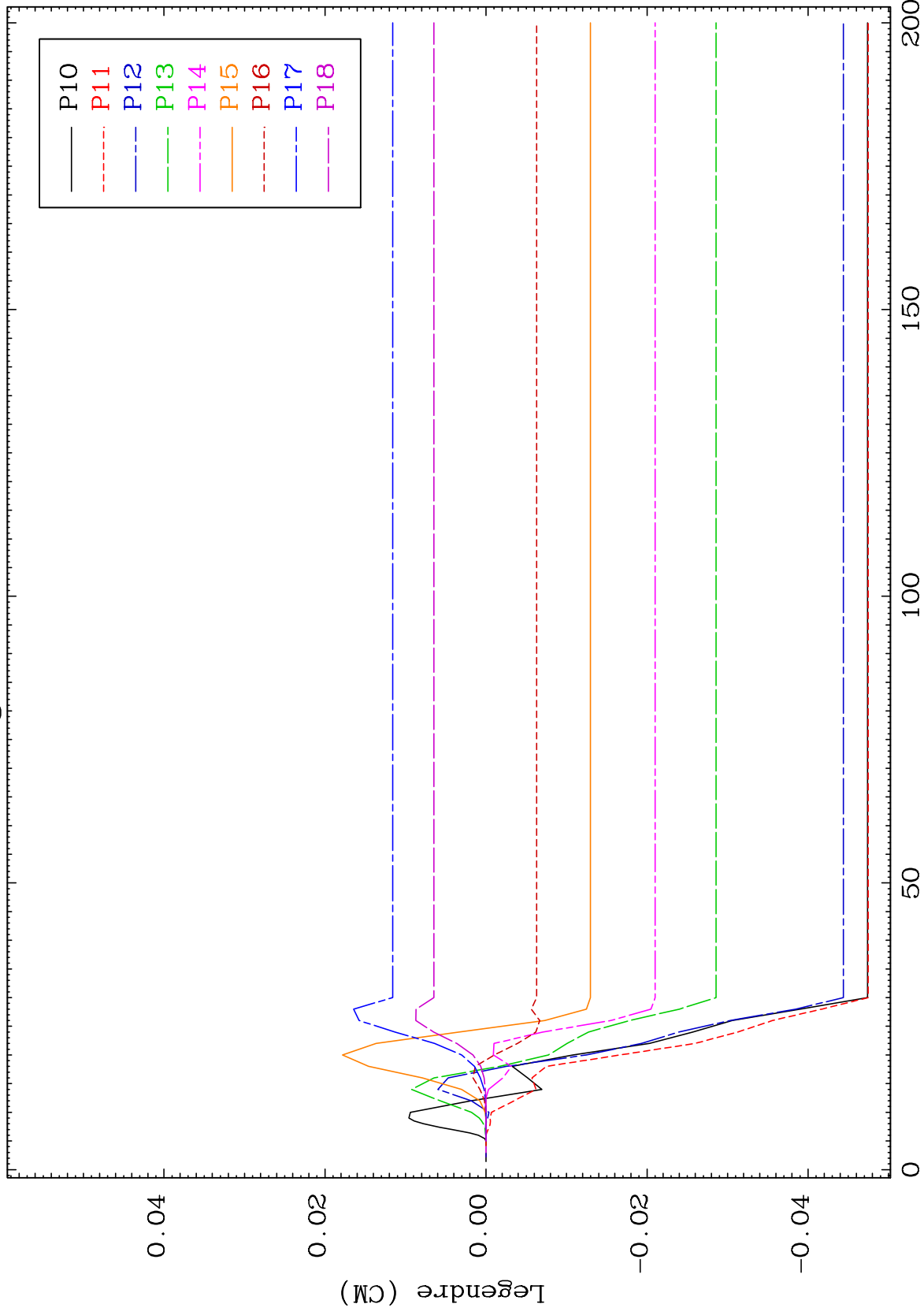




MAT 5846

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

58-Ce-143



33

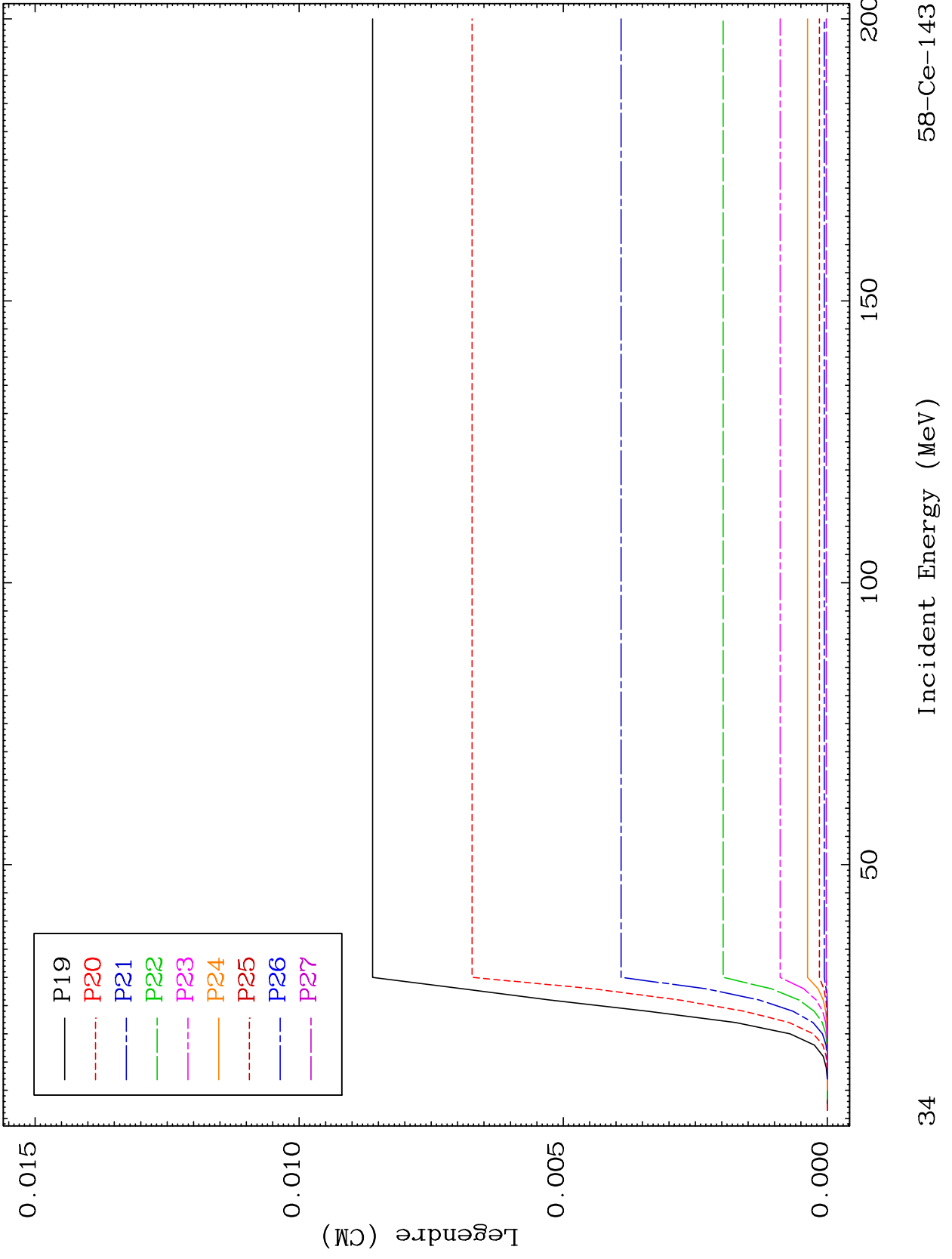
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143



34

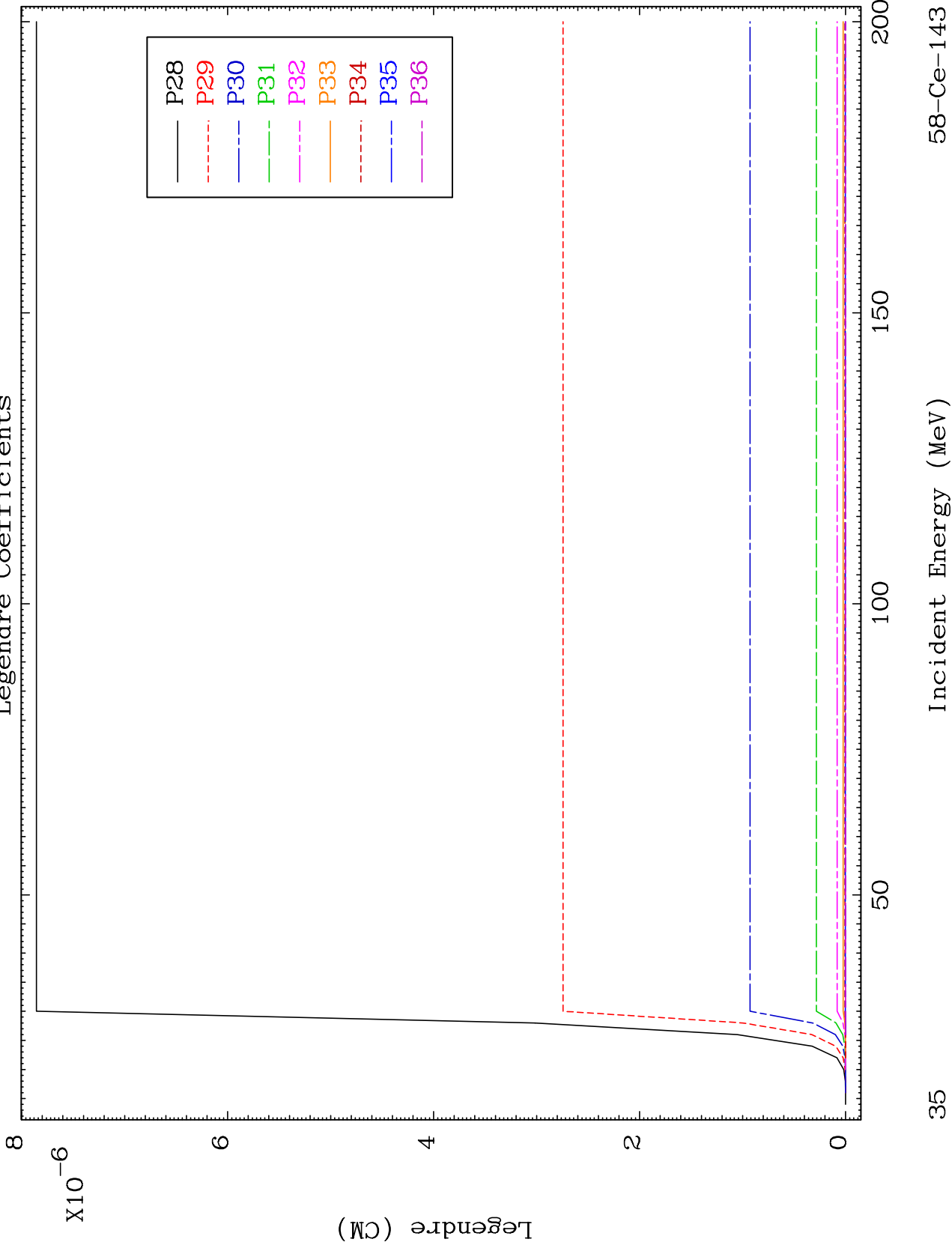
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

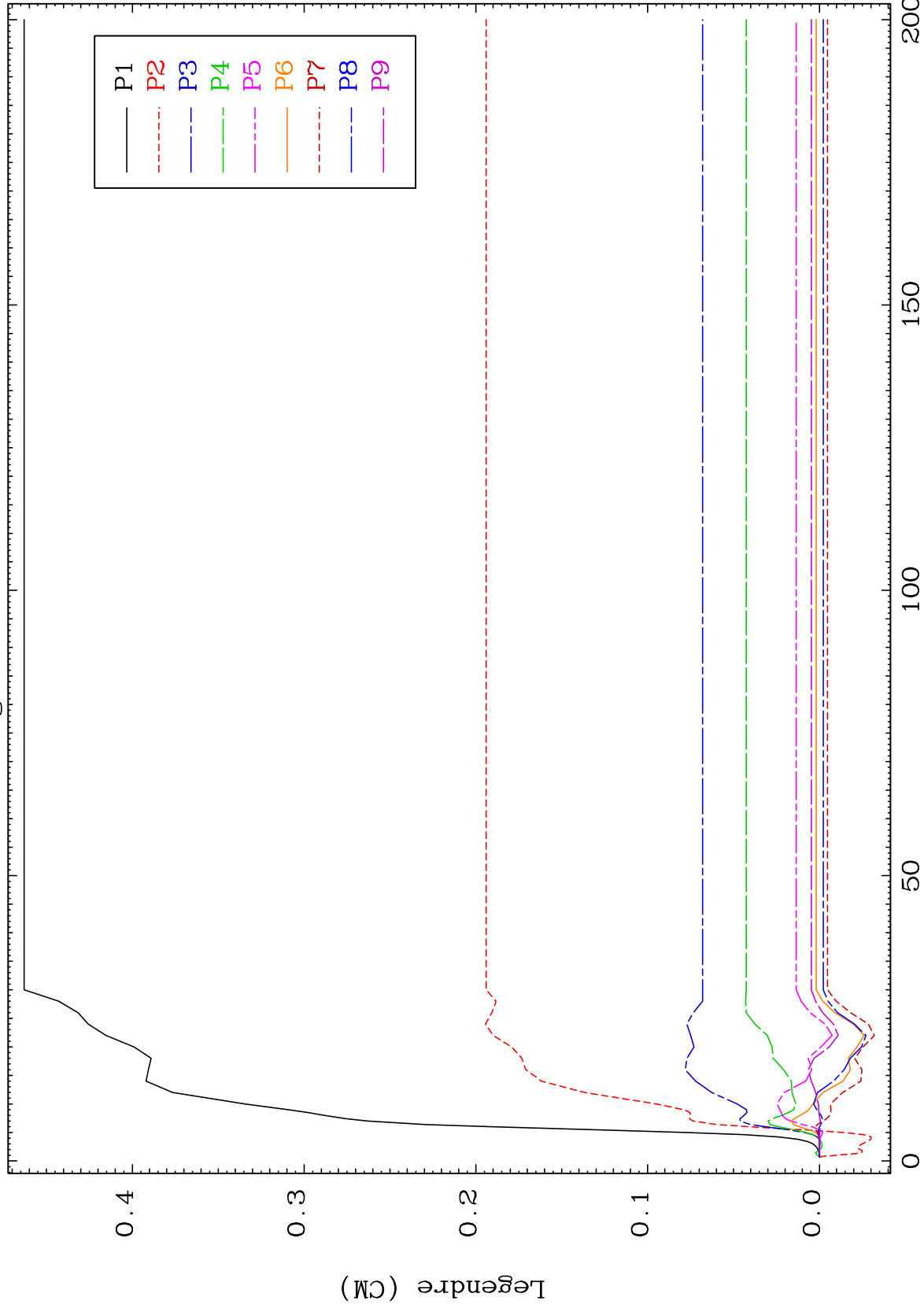
58-Ce-143



MAT 5846

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

58-Ce-143



36

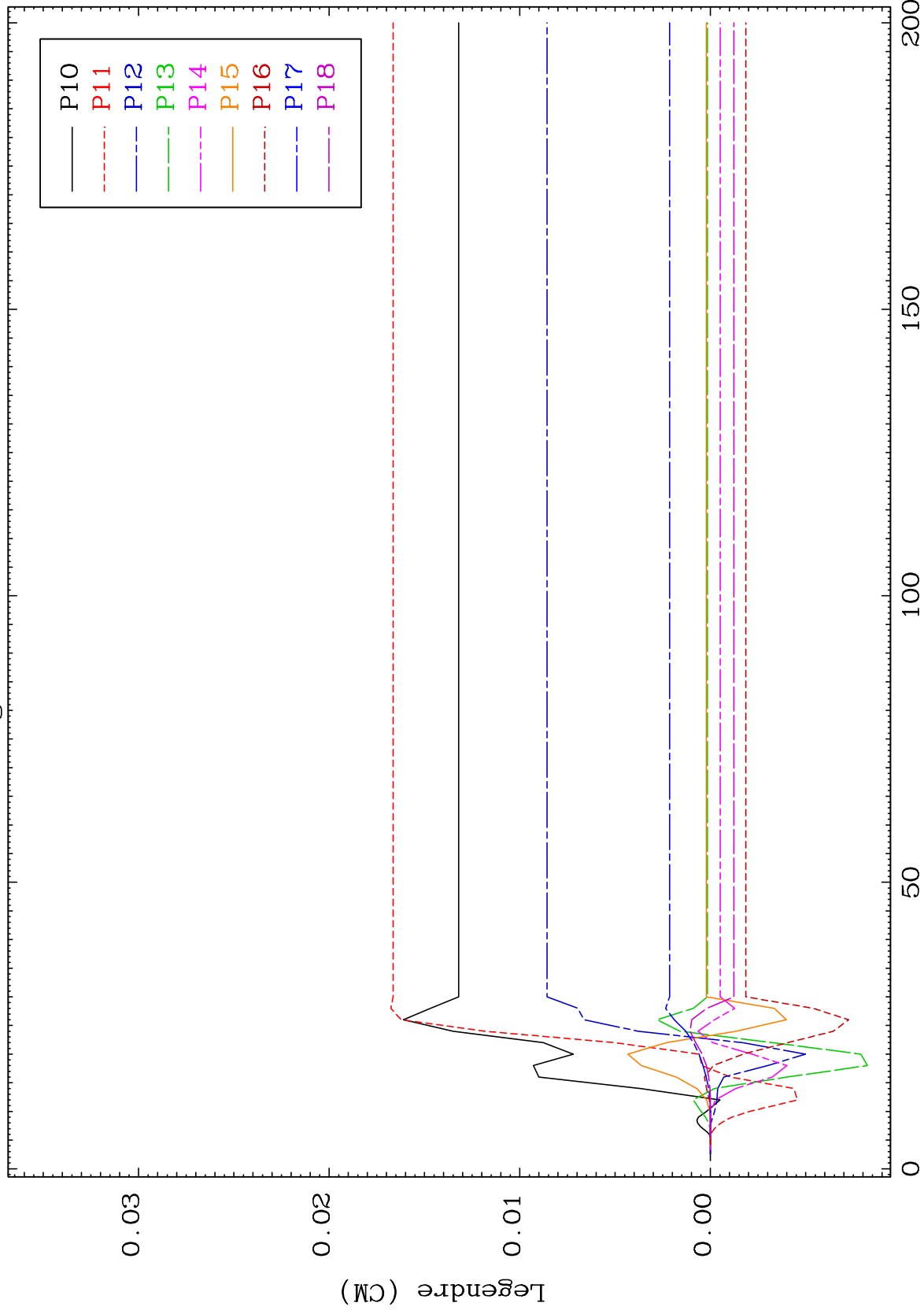
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143



37

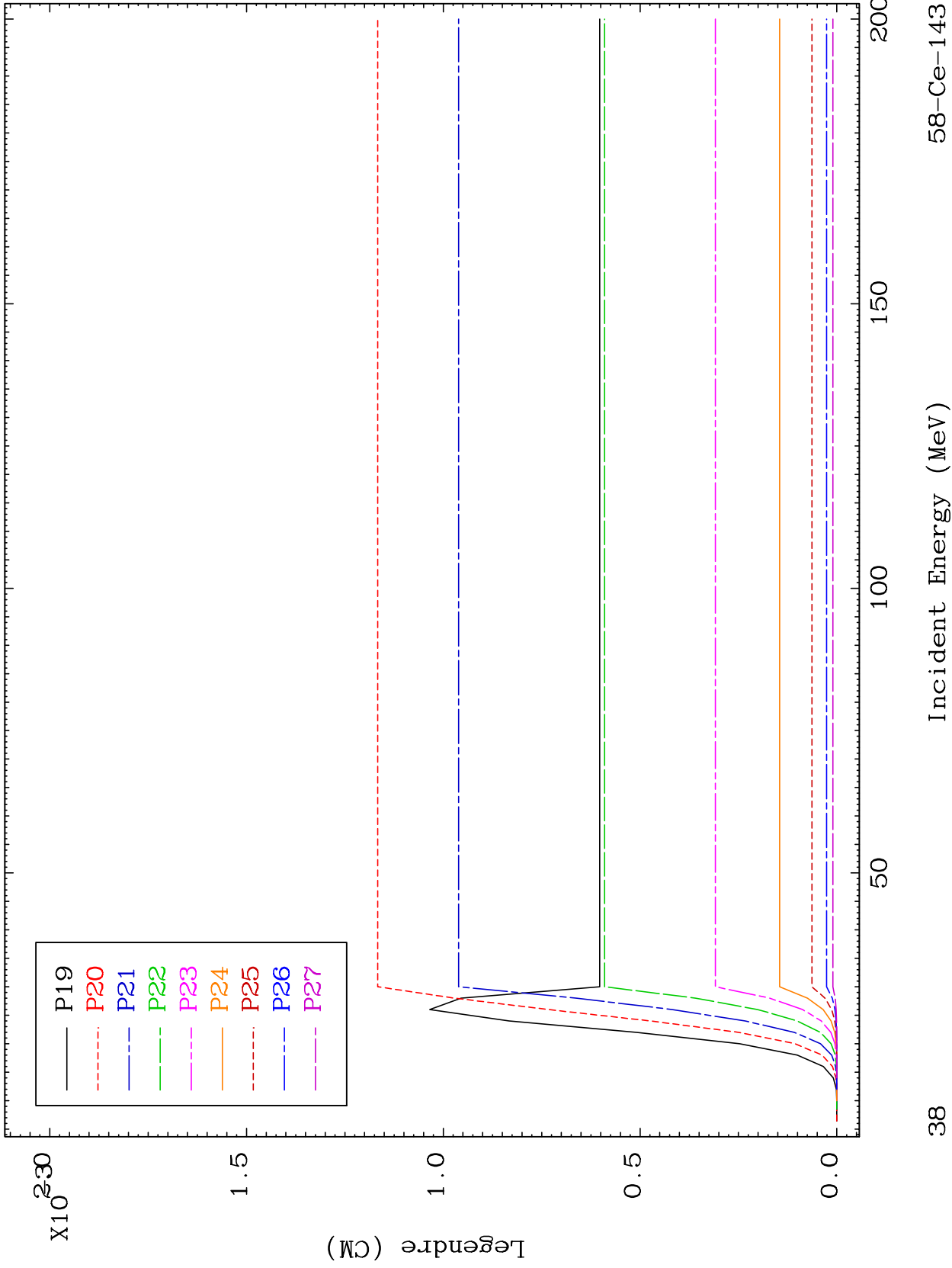
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

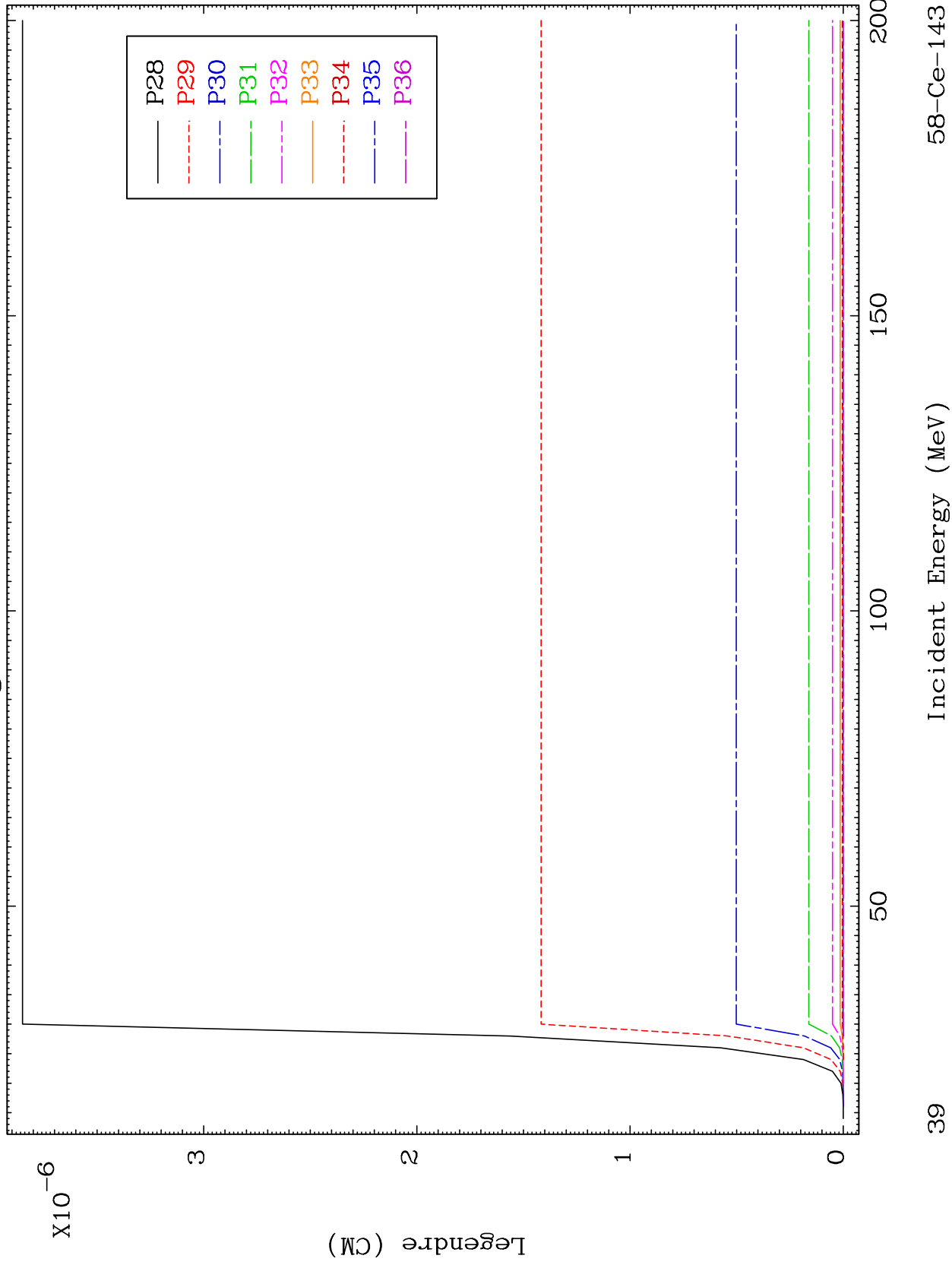
58-Ce-143



MAT 5846

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

58-Ce-143

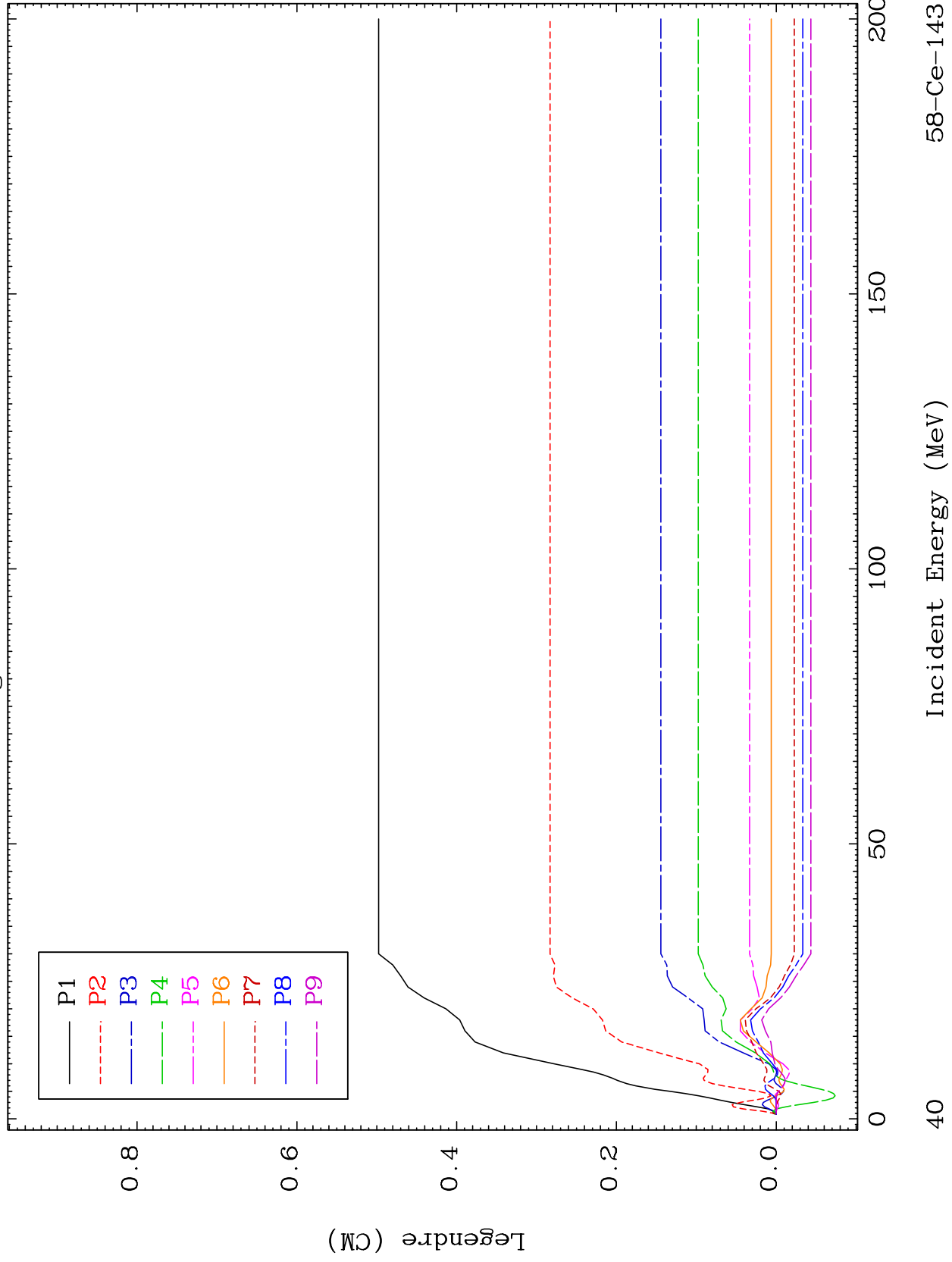




MAT 5846

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

58-Ce-143



58-Ce-143

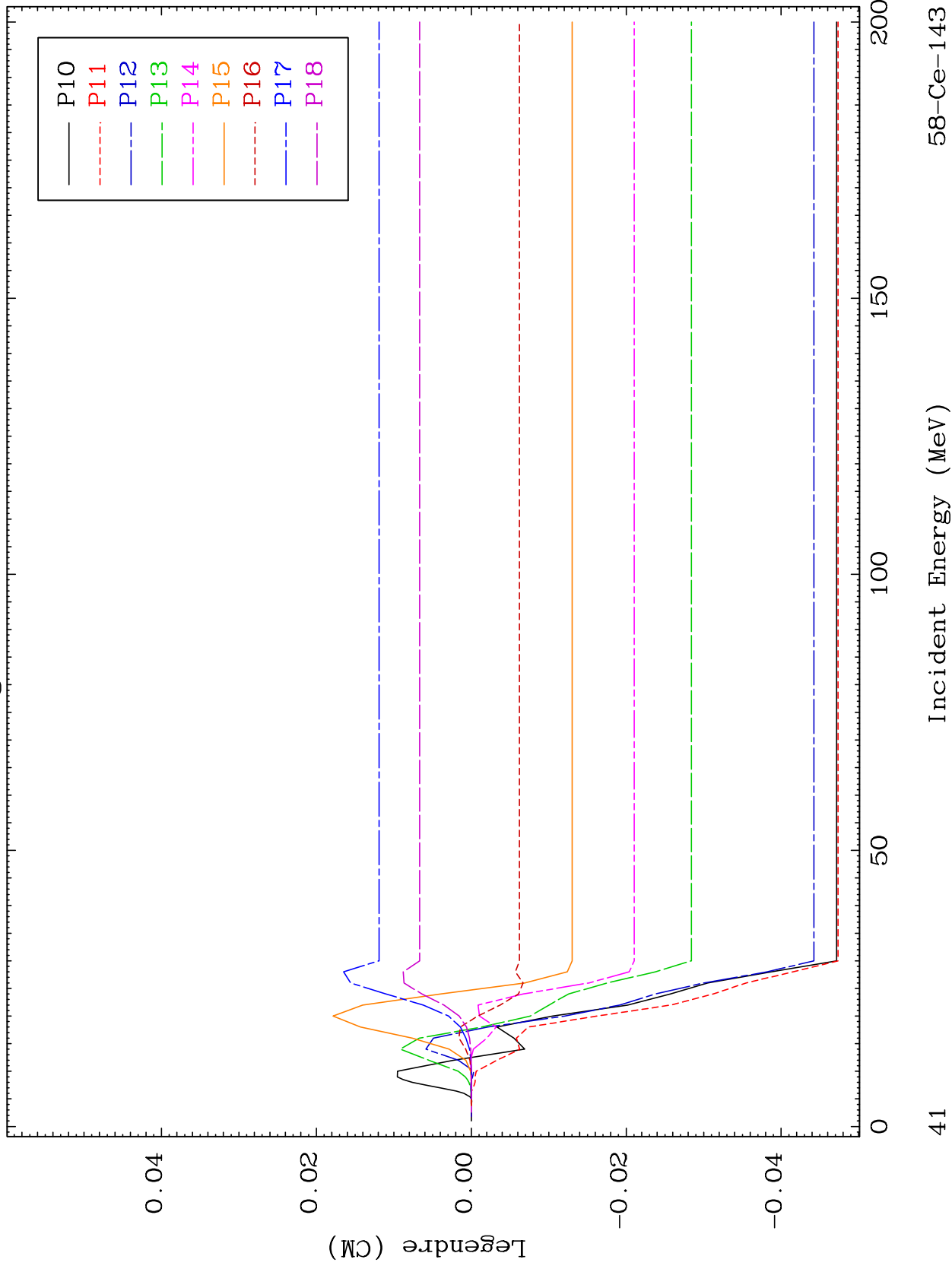
Incident Energy (MeV)

40

MAT 5846

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

58-Ce-143



41

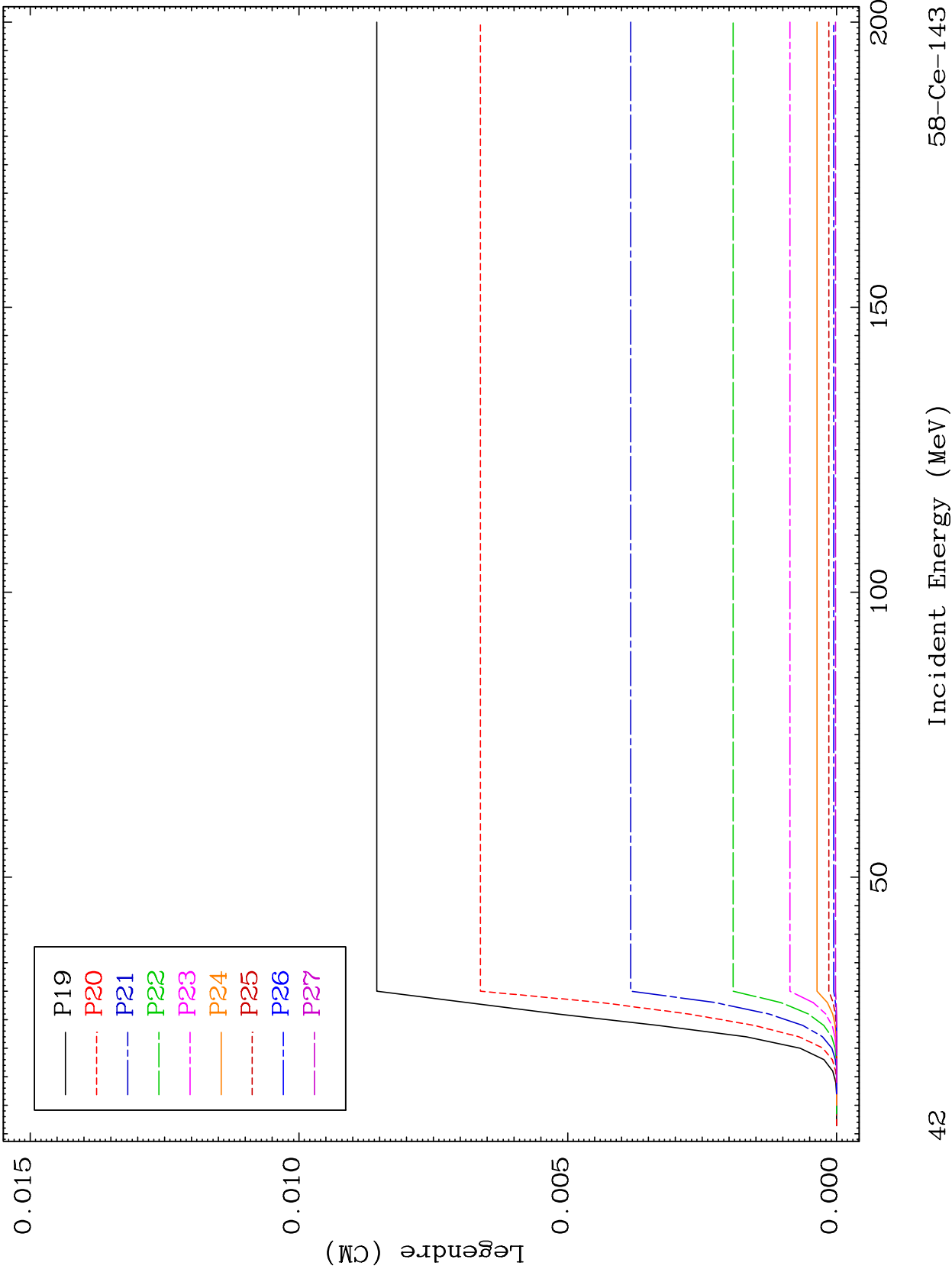
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143



42

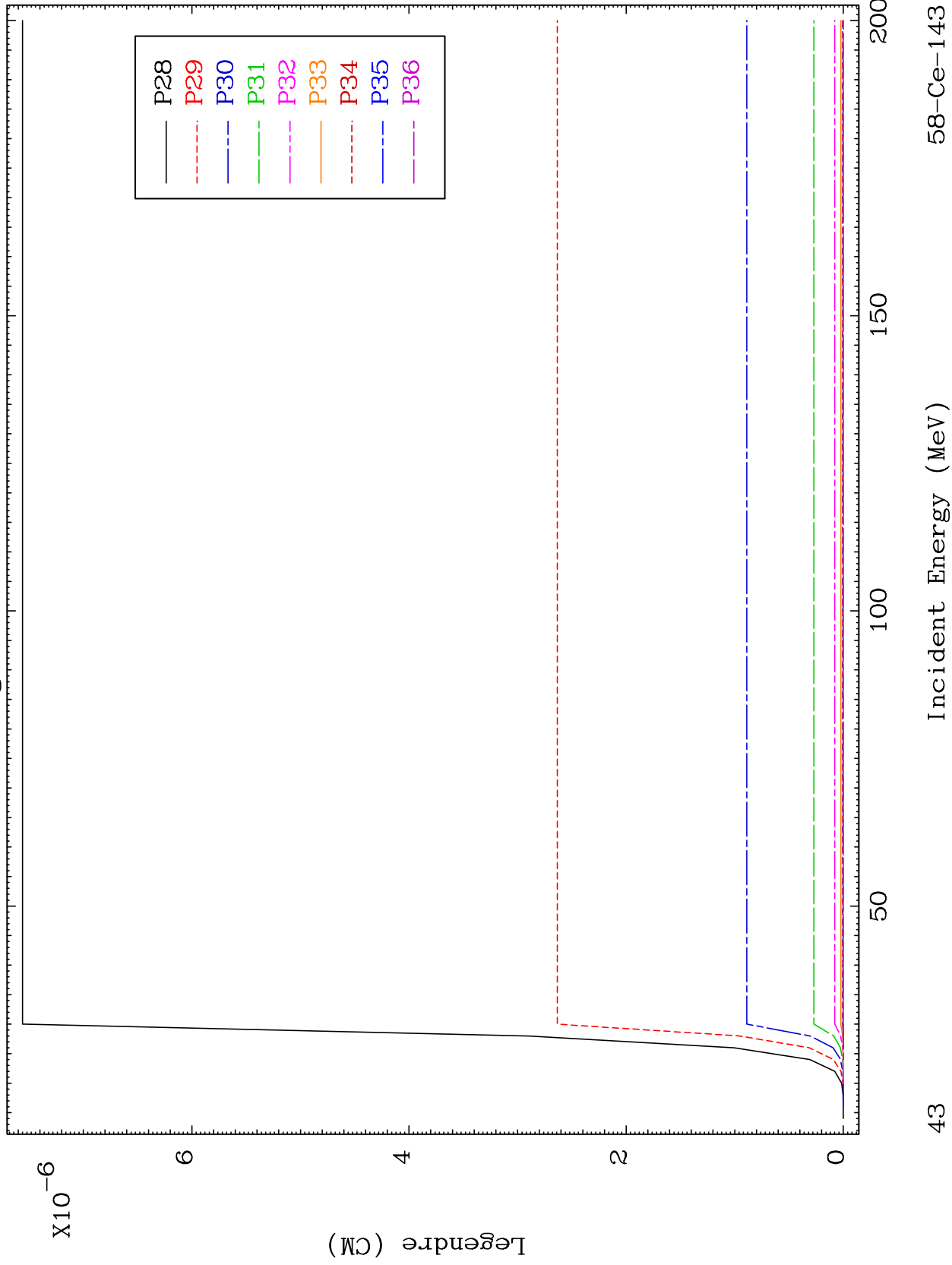
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143

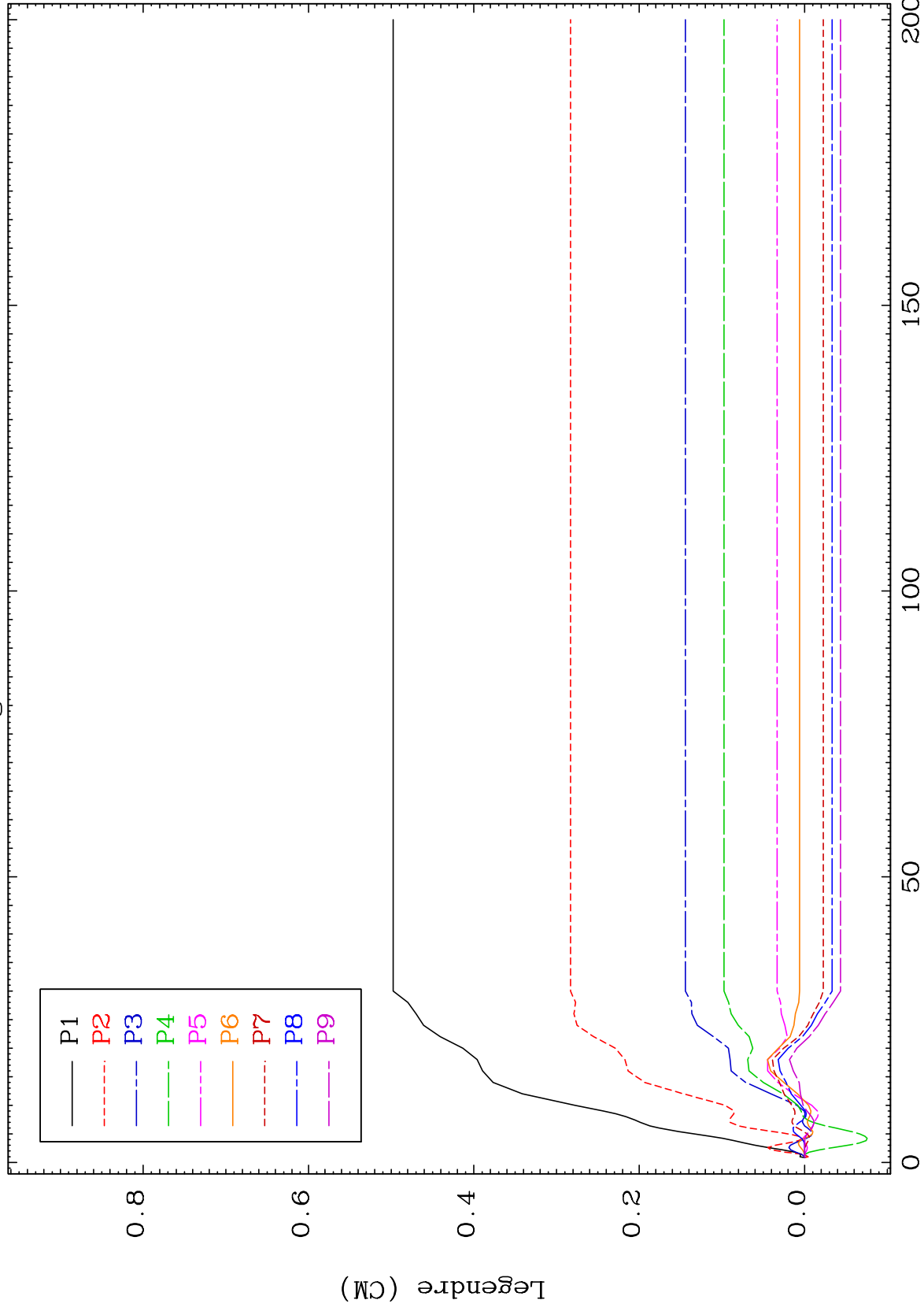


43

MAT 5846

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

58-Ce-143



44

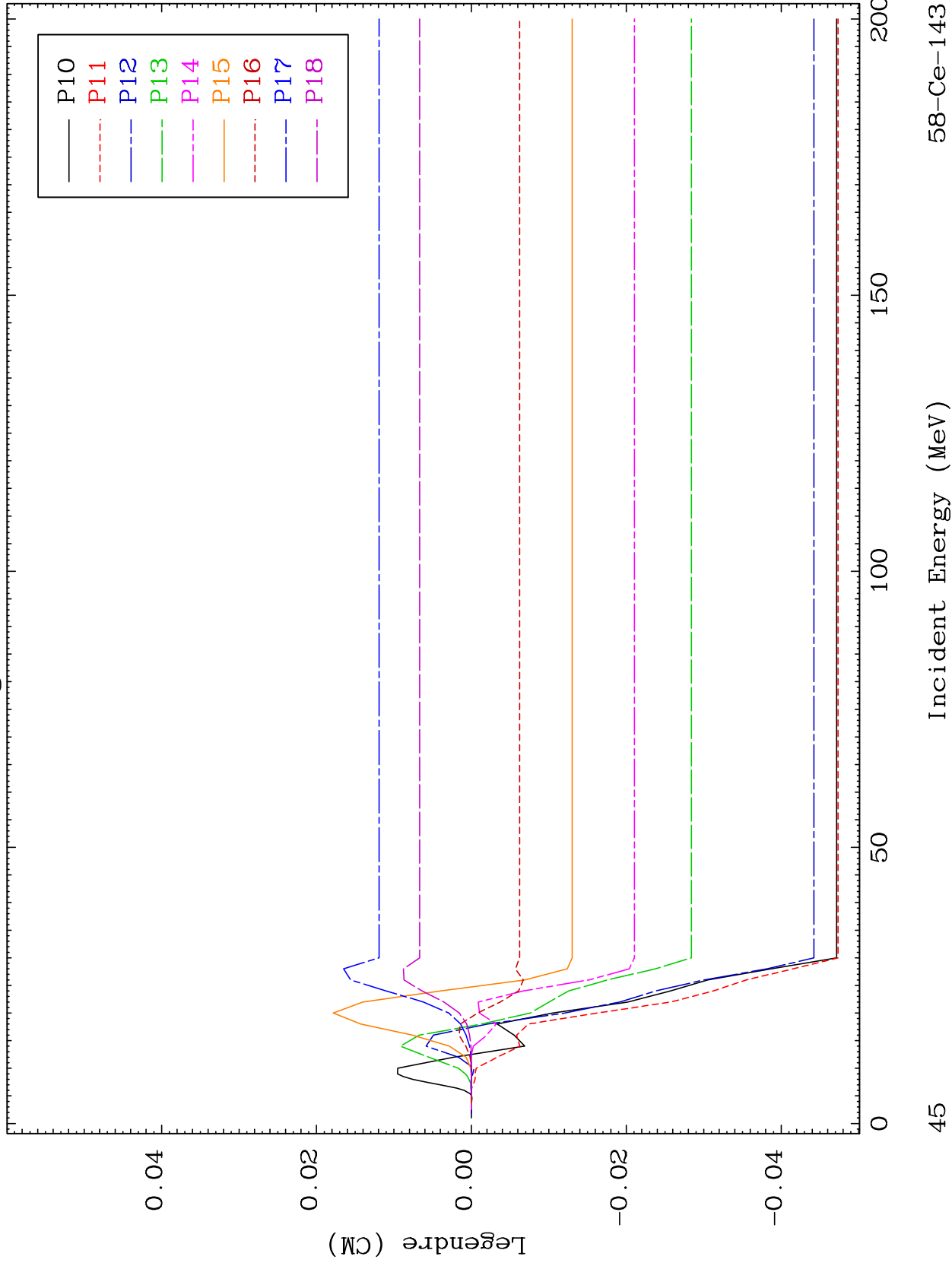
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143



58-Ce-143

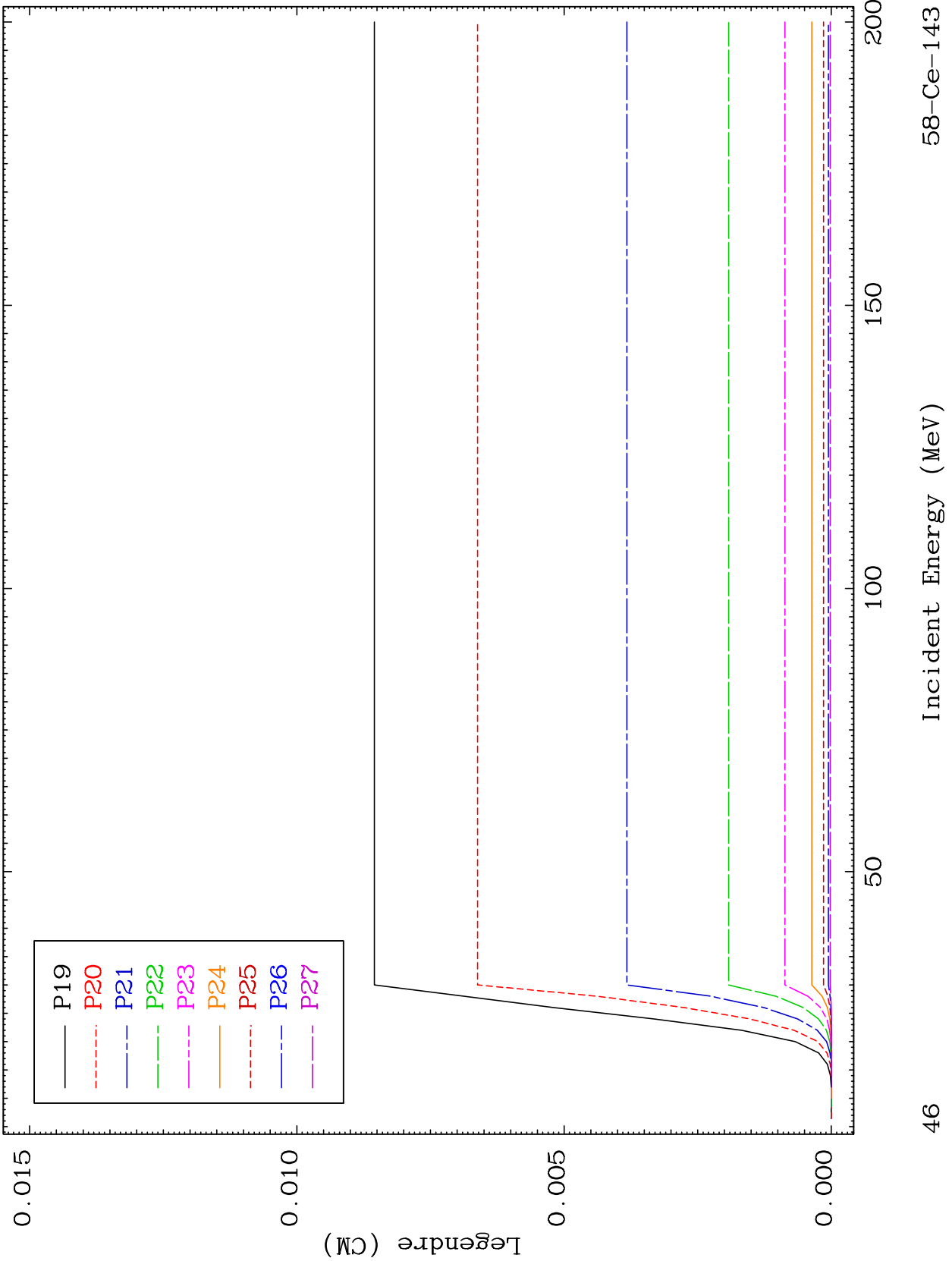
Incident Energy (MeV)

45

MAT 5846

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

58-Ce-143



46

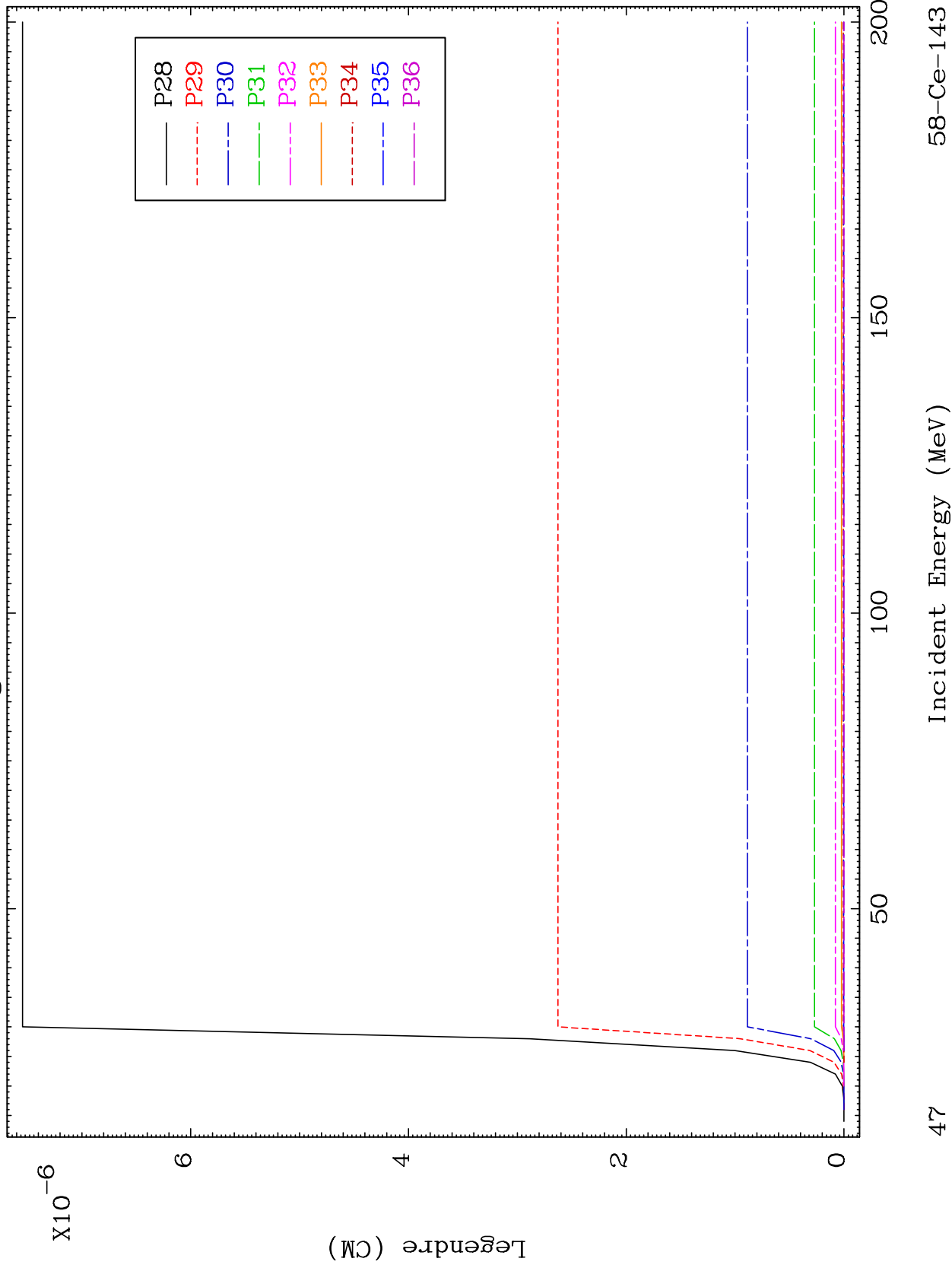
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143

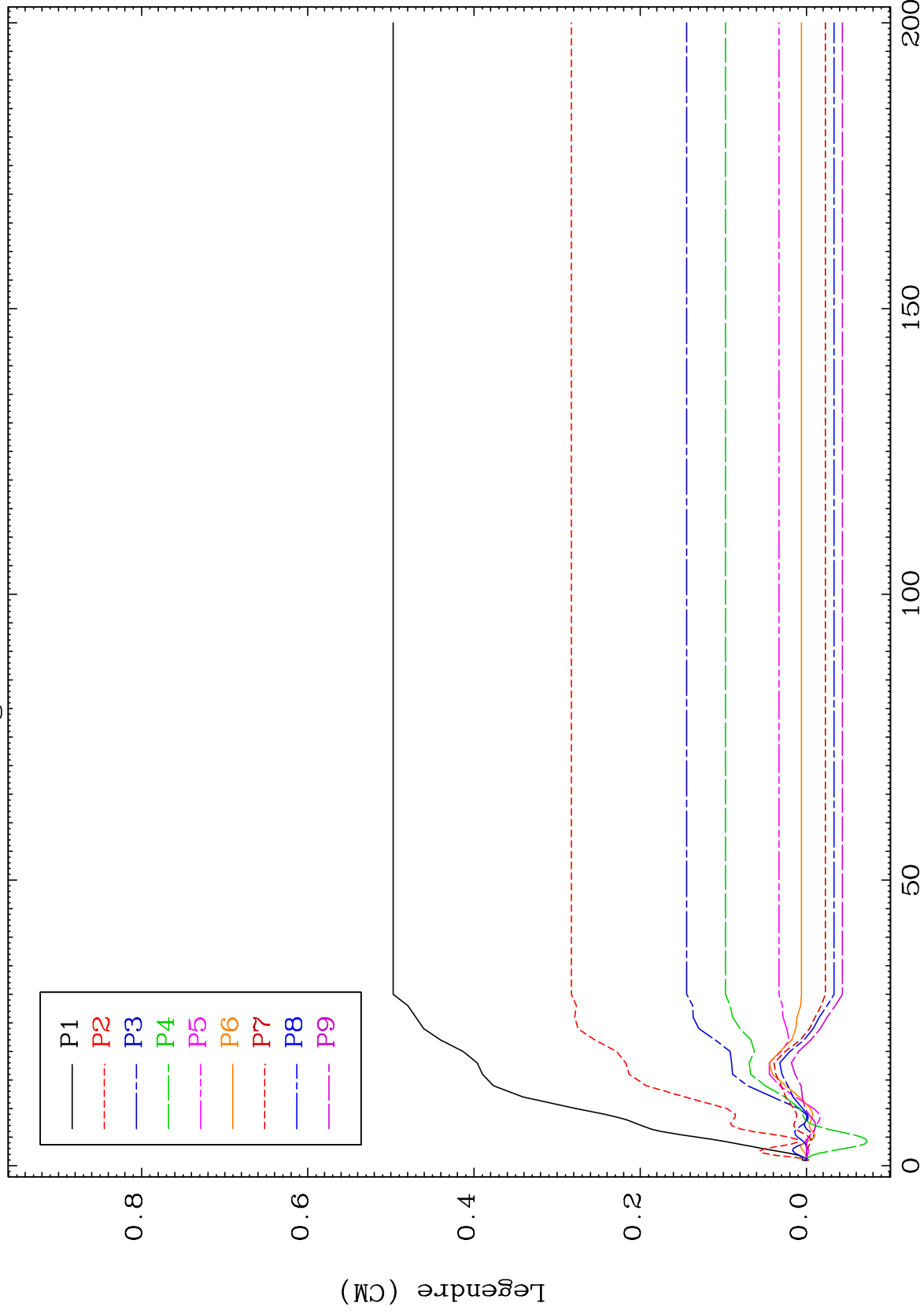




MAT 5846

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

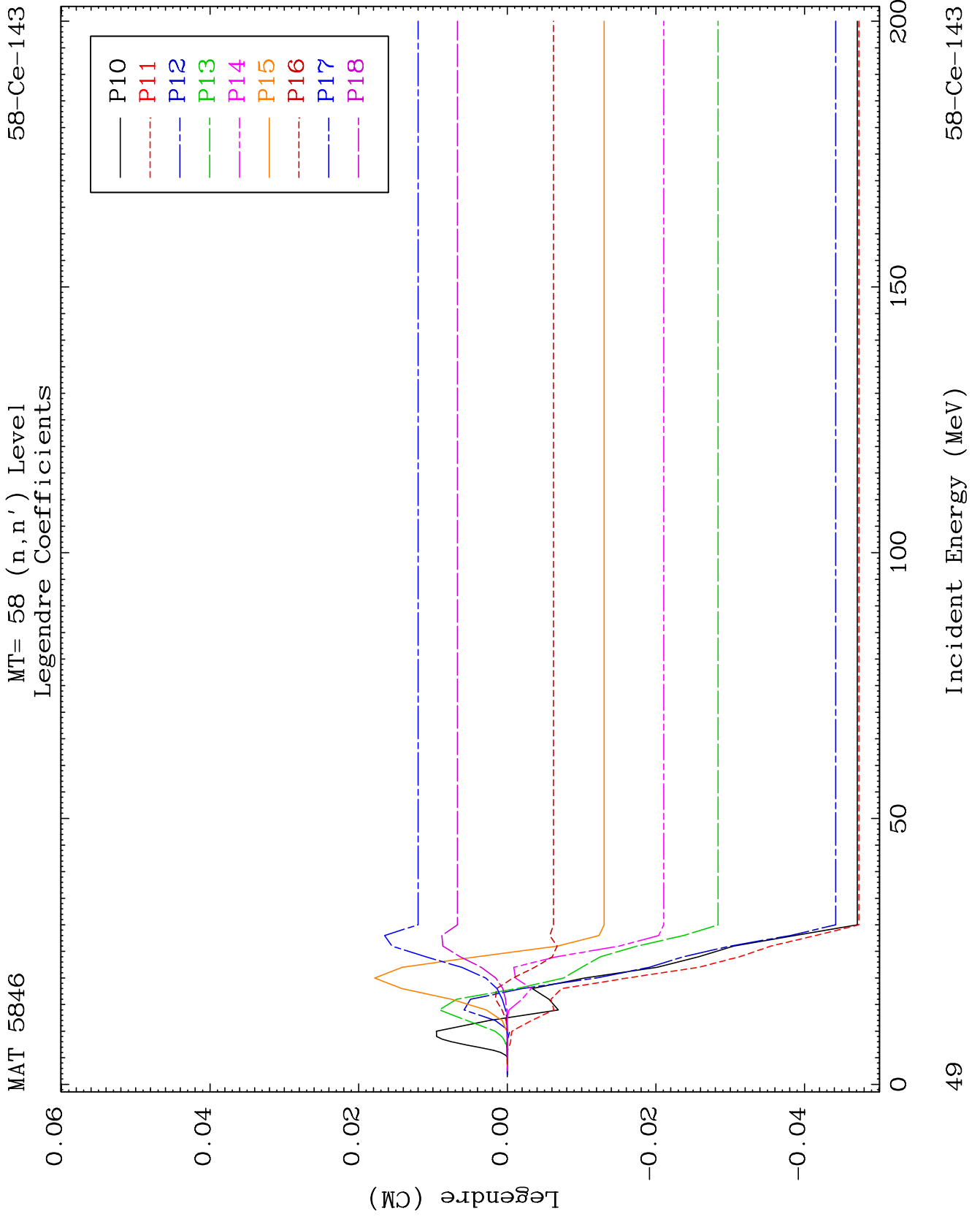
58-Ce-143



58-Ce-143

Incident Energy (MeV)

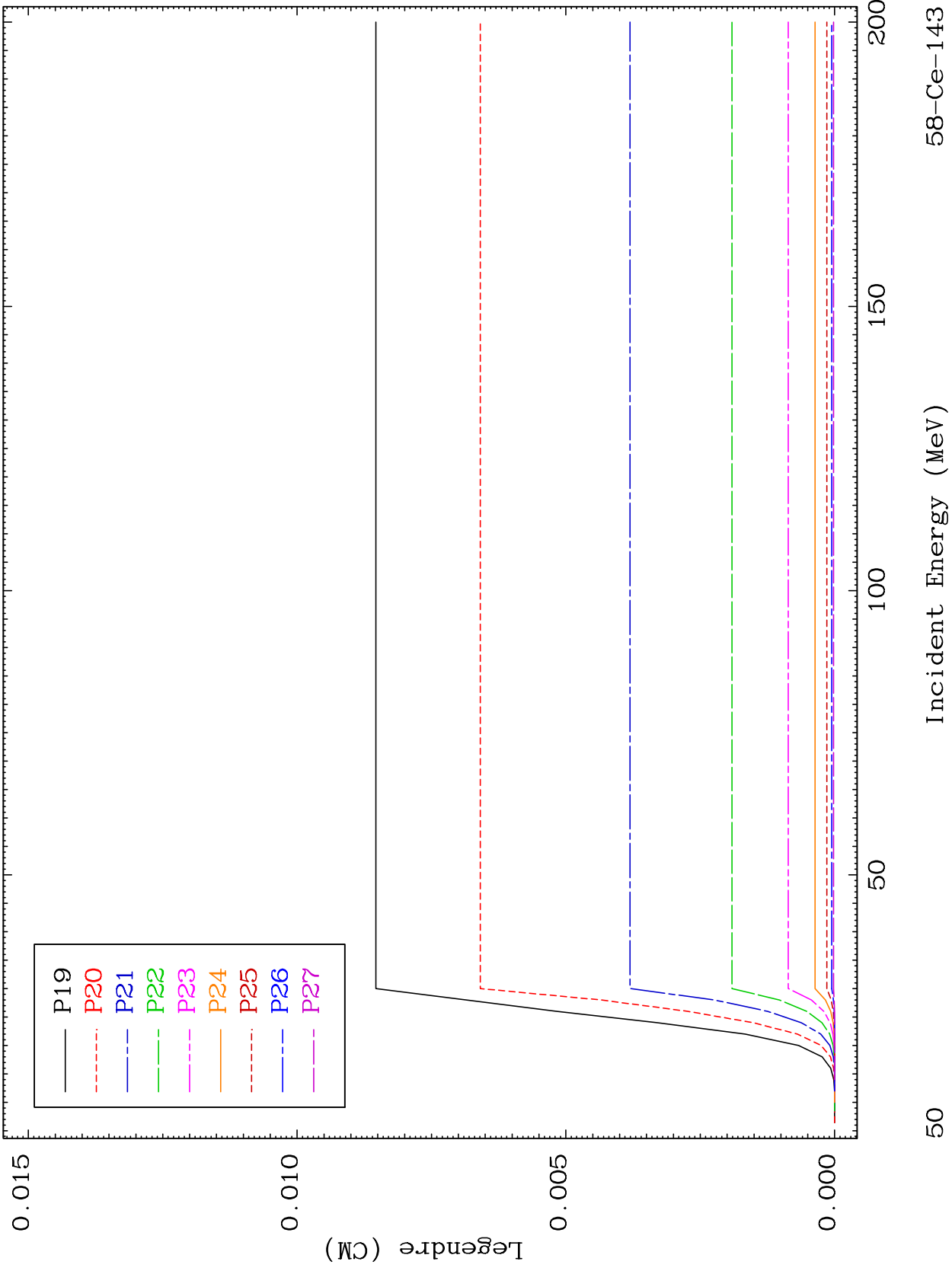
48



MAT 5846

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

58-Ce-143



58-Ce-143

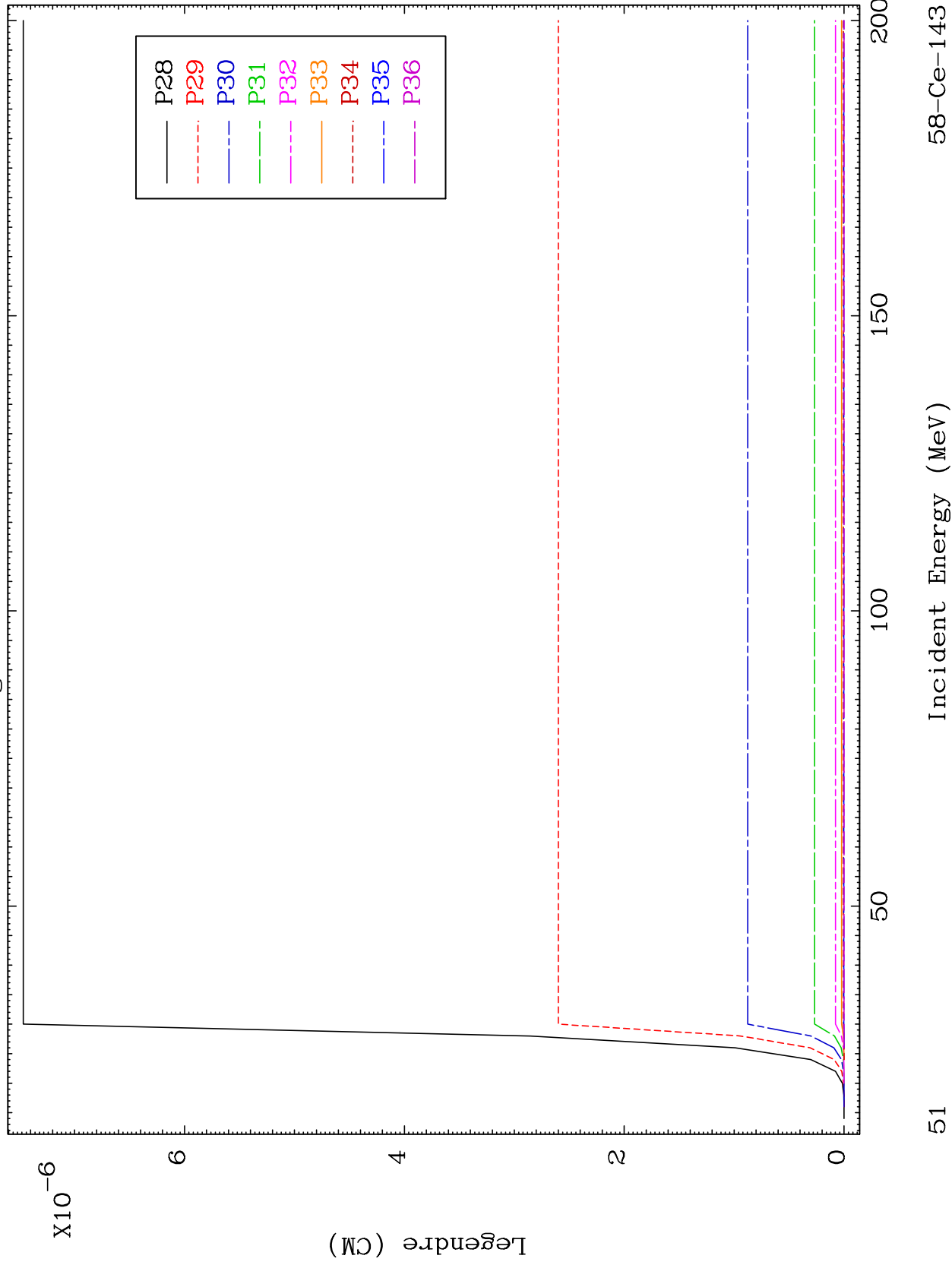
Incident Energy (MeV)

50

MAT 5846

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

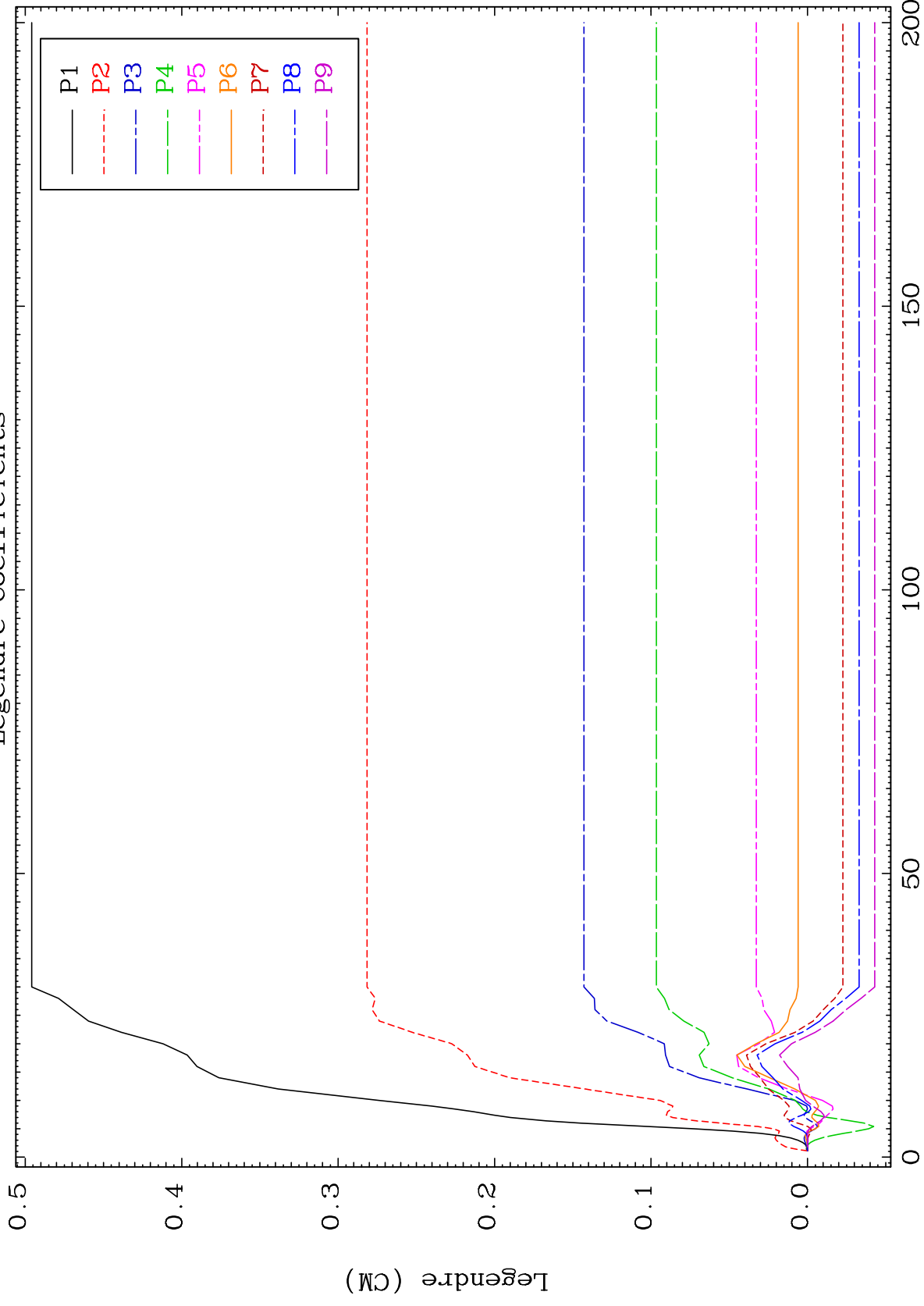
58-Ce-143



MAT 5846

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

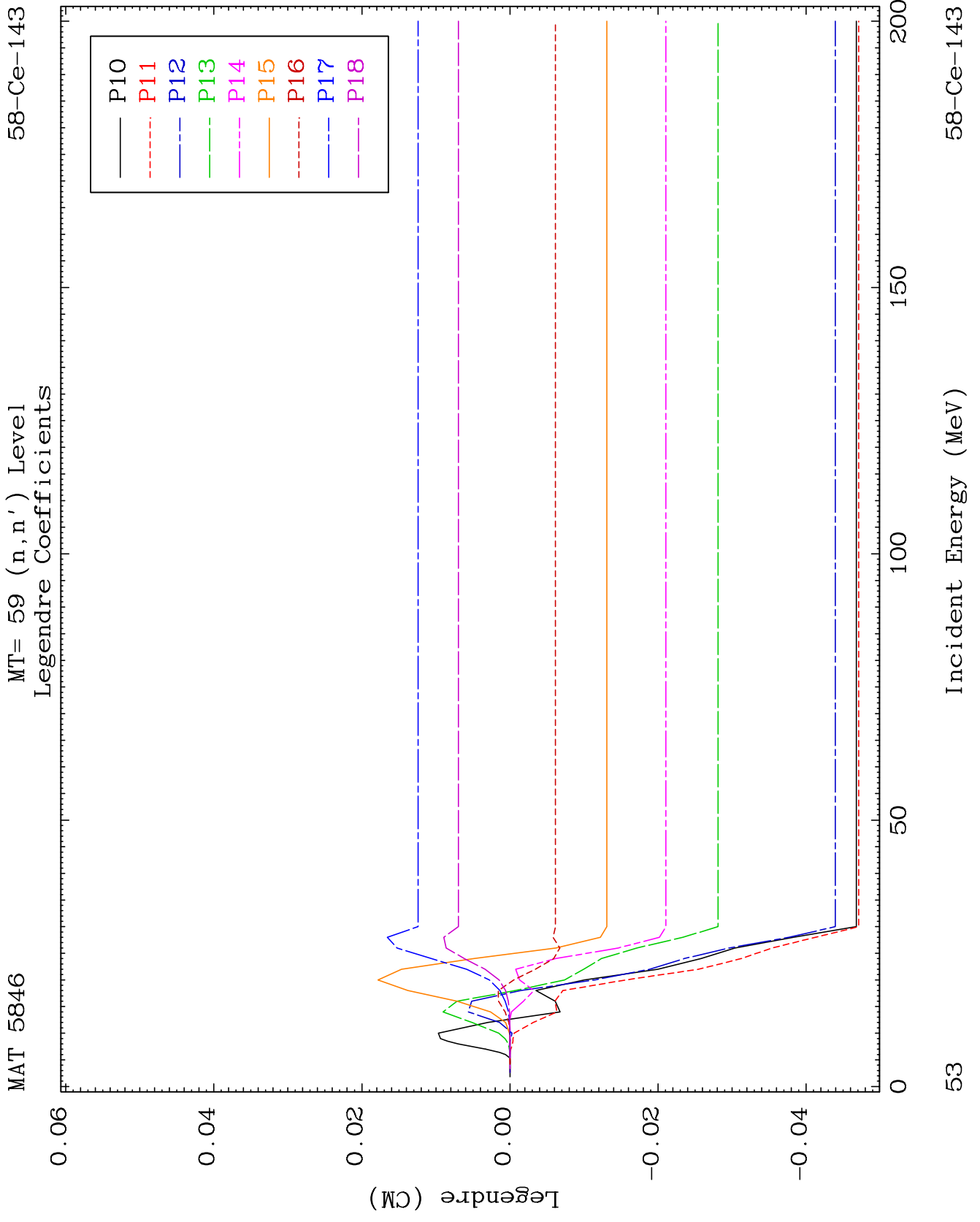
58-Ce-143



52

Incident Energy (MeV)

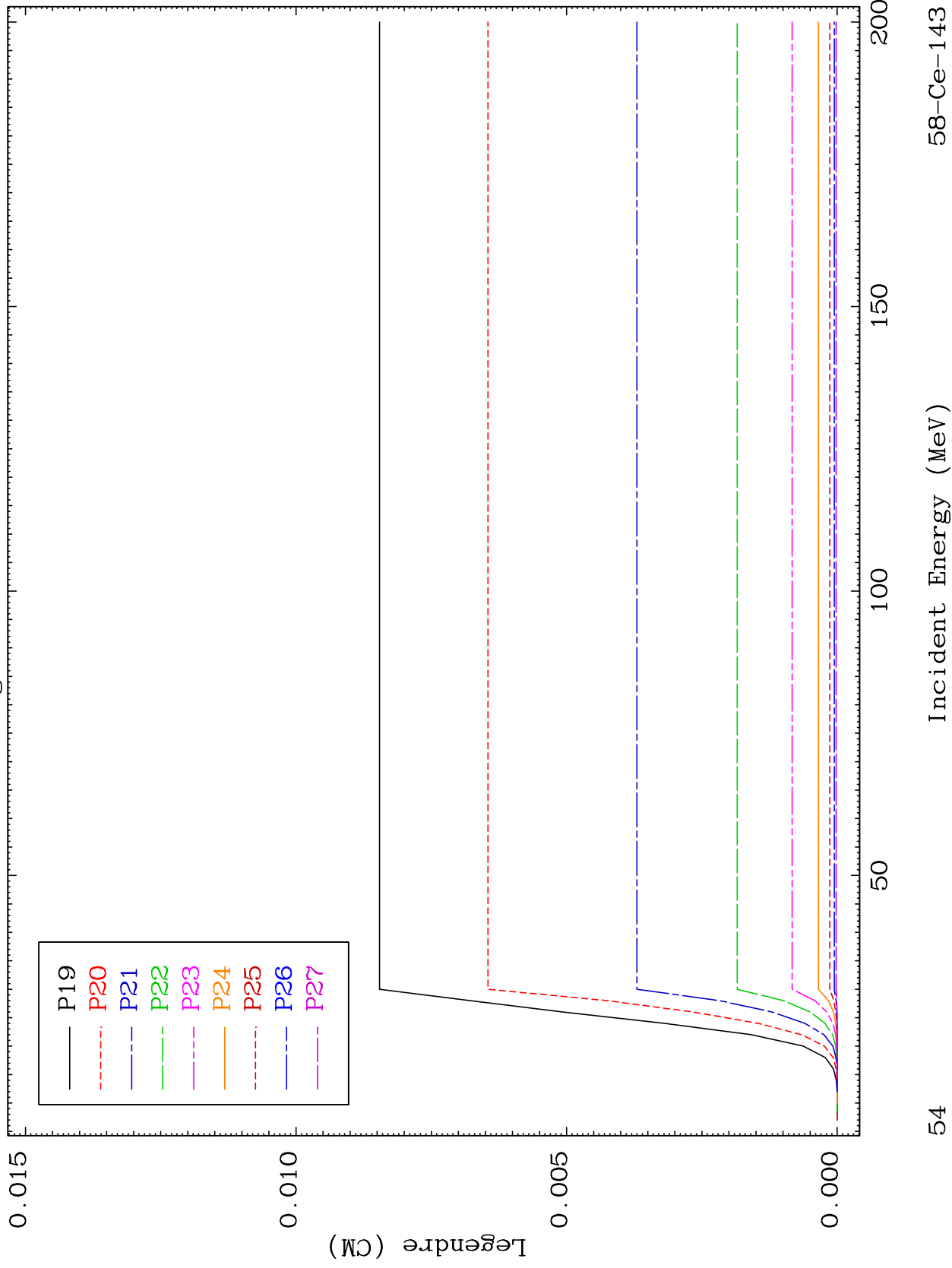
58-Ce-143



MAT 5846

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

58-Ce-143



58-Ce-143

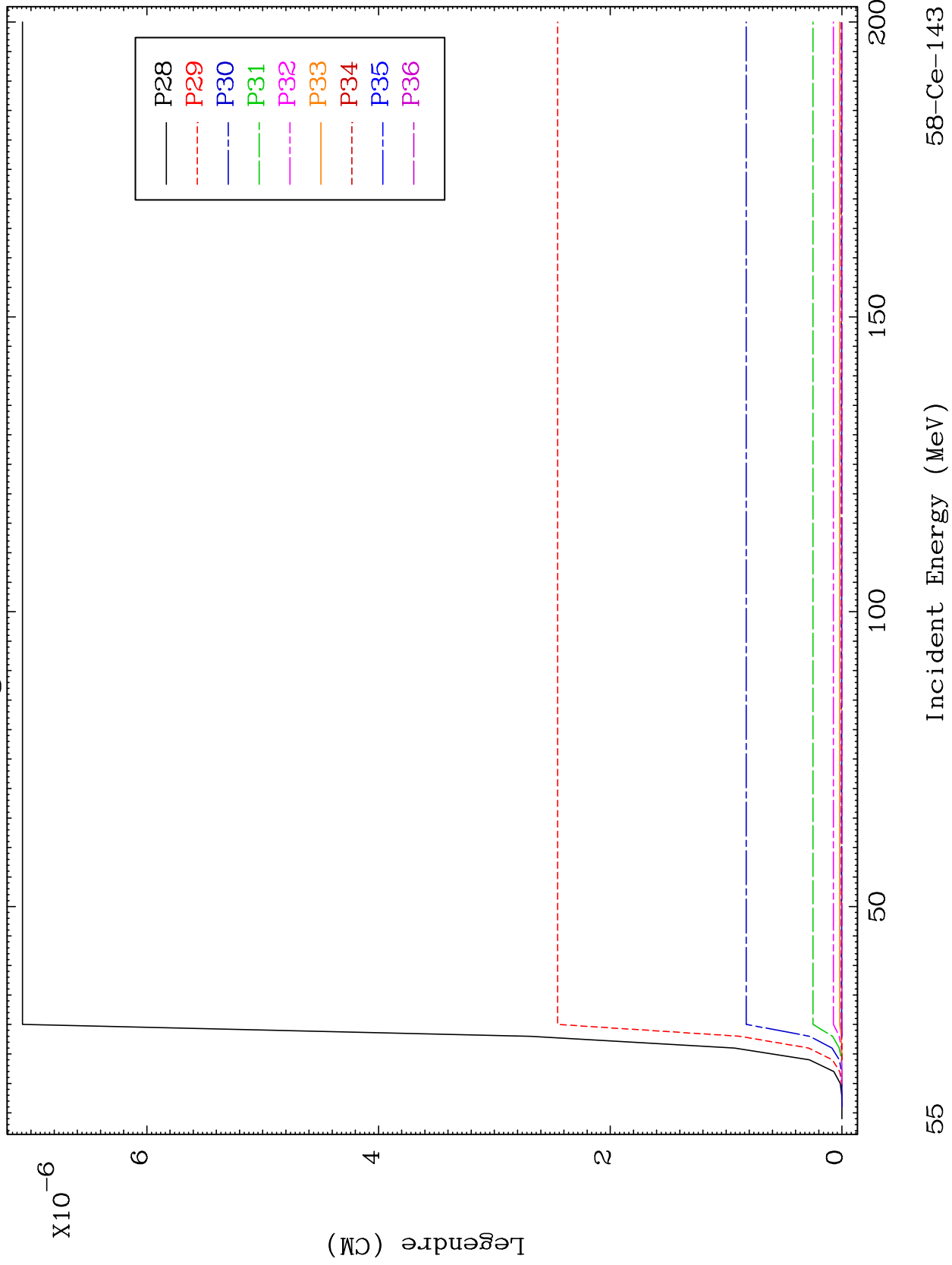
Incident Energy (MeV)

54

MAT 5846

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

58-Ce-143



55

Incident Energy (MeV)

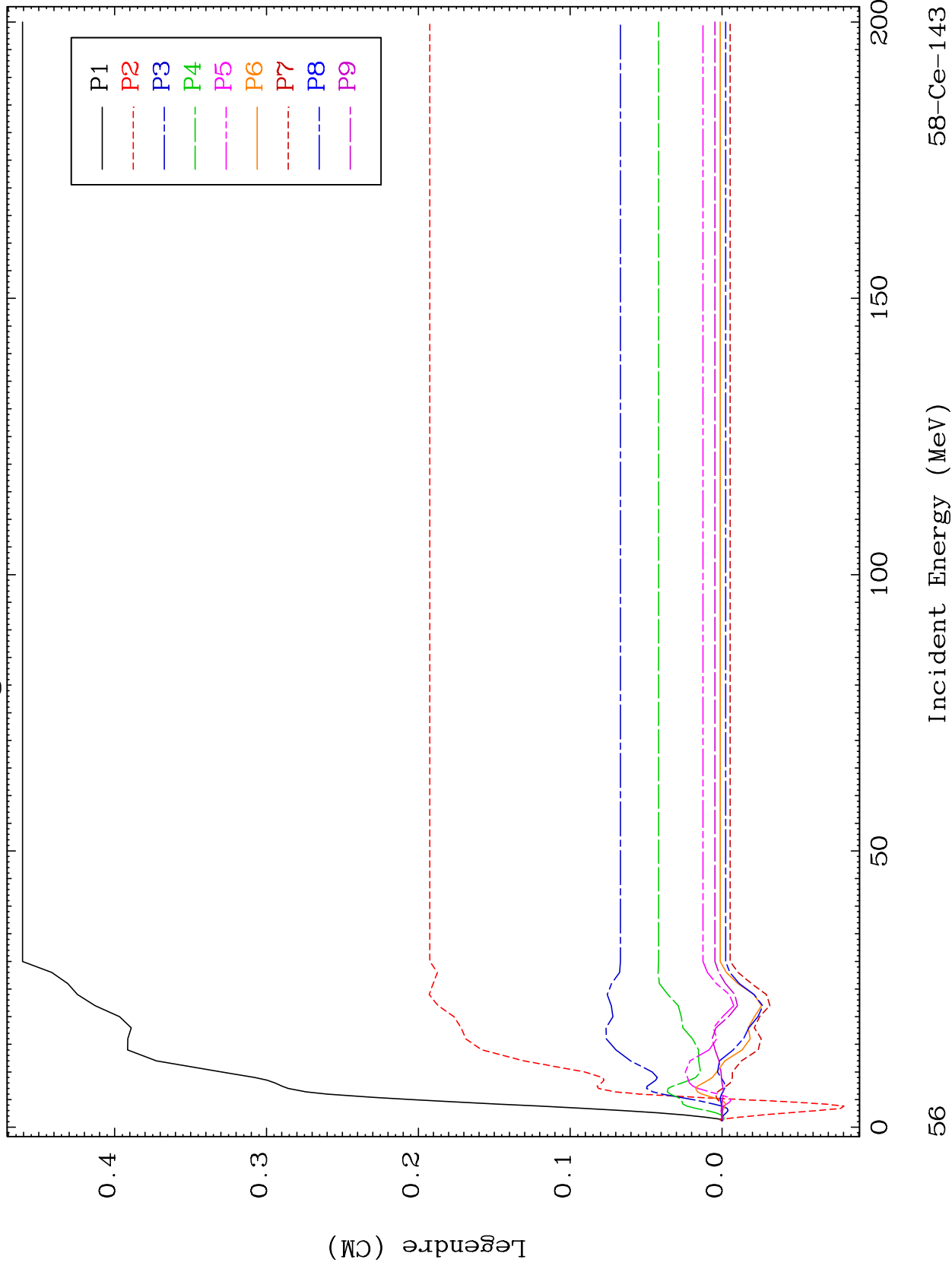
58-Ce-143



MAT 5846

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

58-Ce-143



58-Ce-143

Incident Energy (MeV)

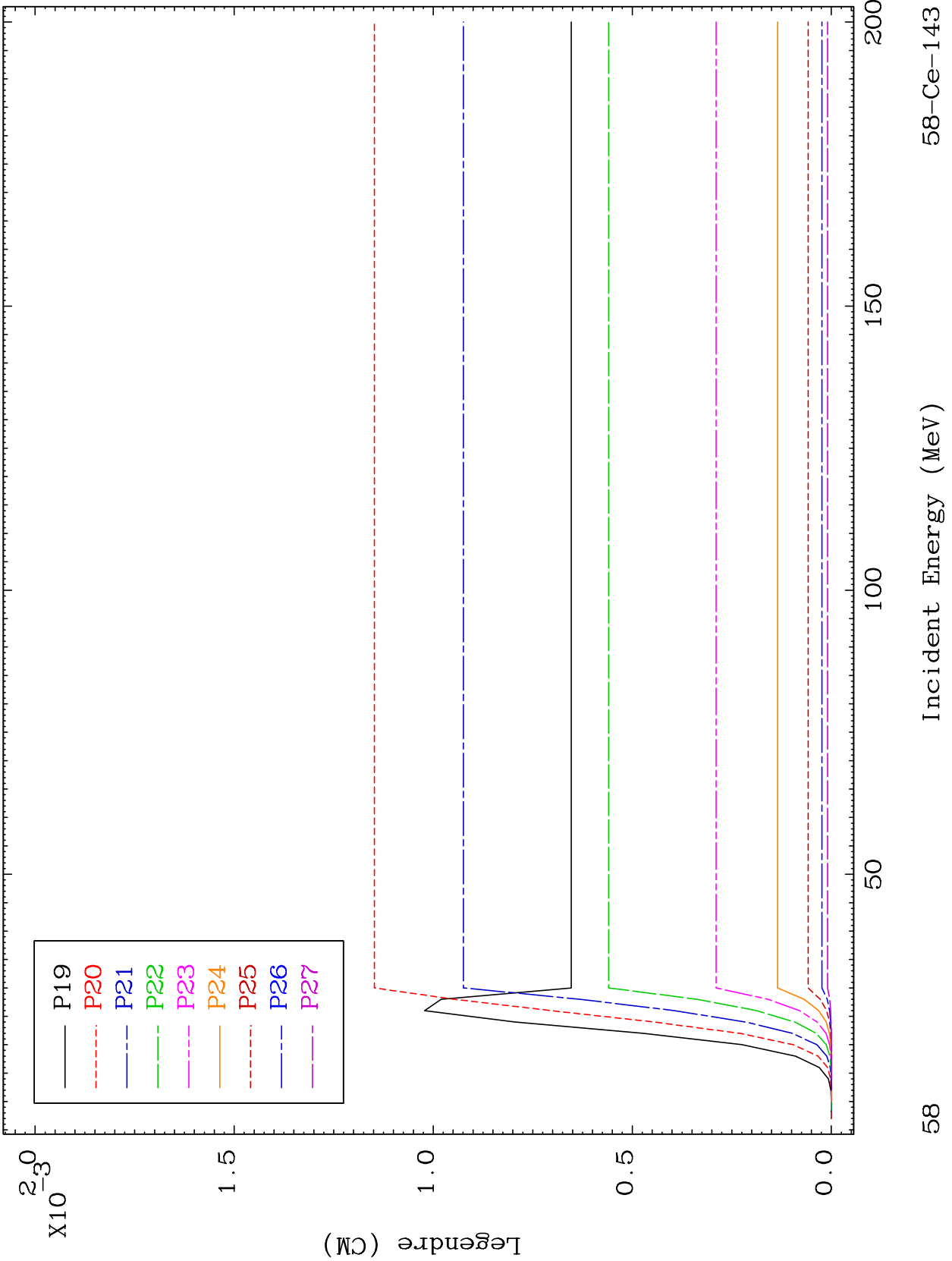
56



MAT 5846

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

58-Ce-143



58-Ce-143

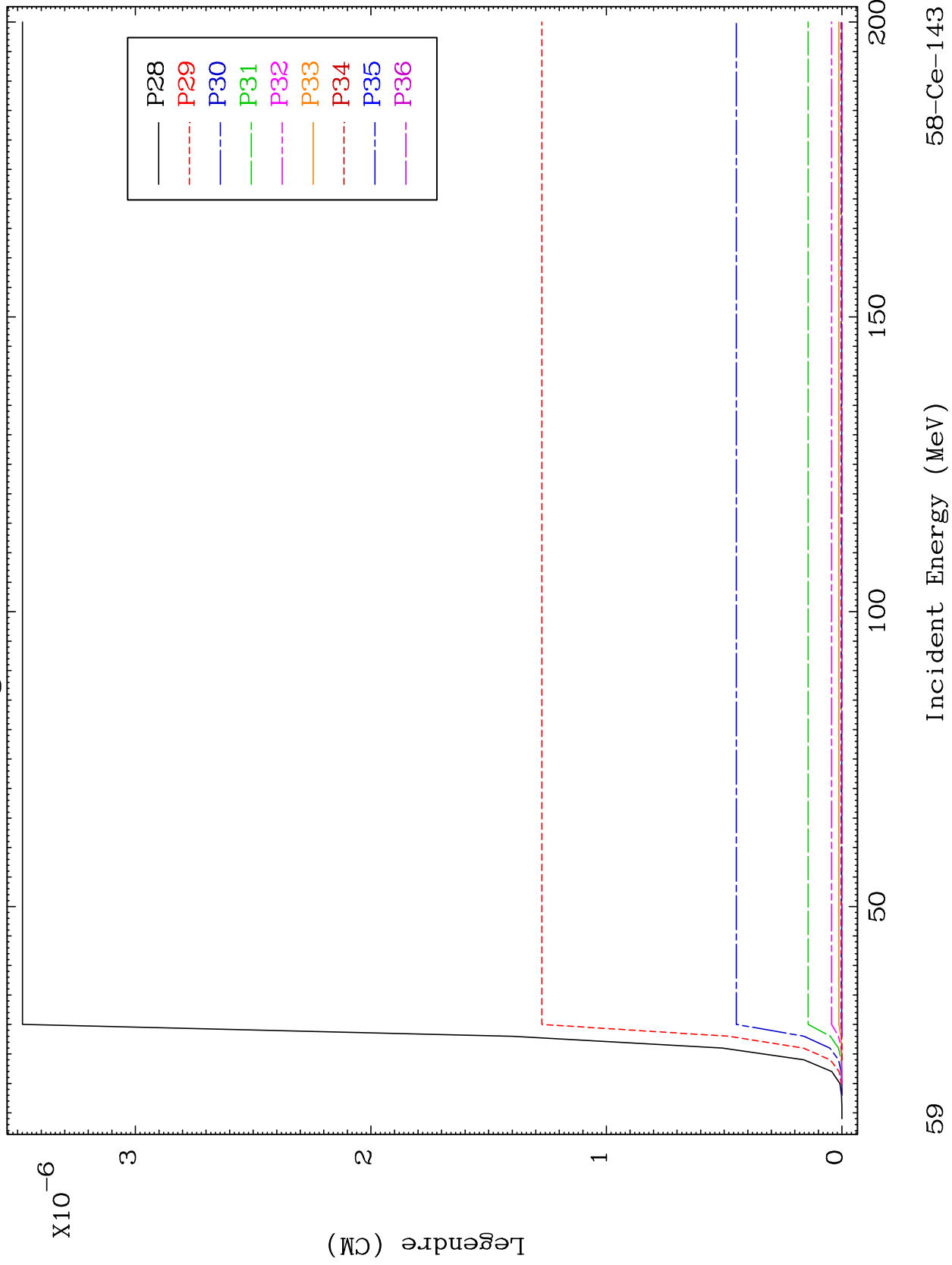
Incident Energy (MeV)

58

MAT 5846

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

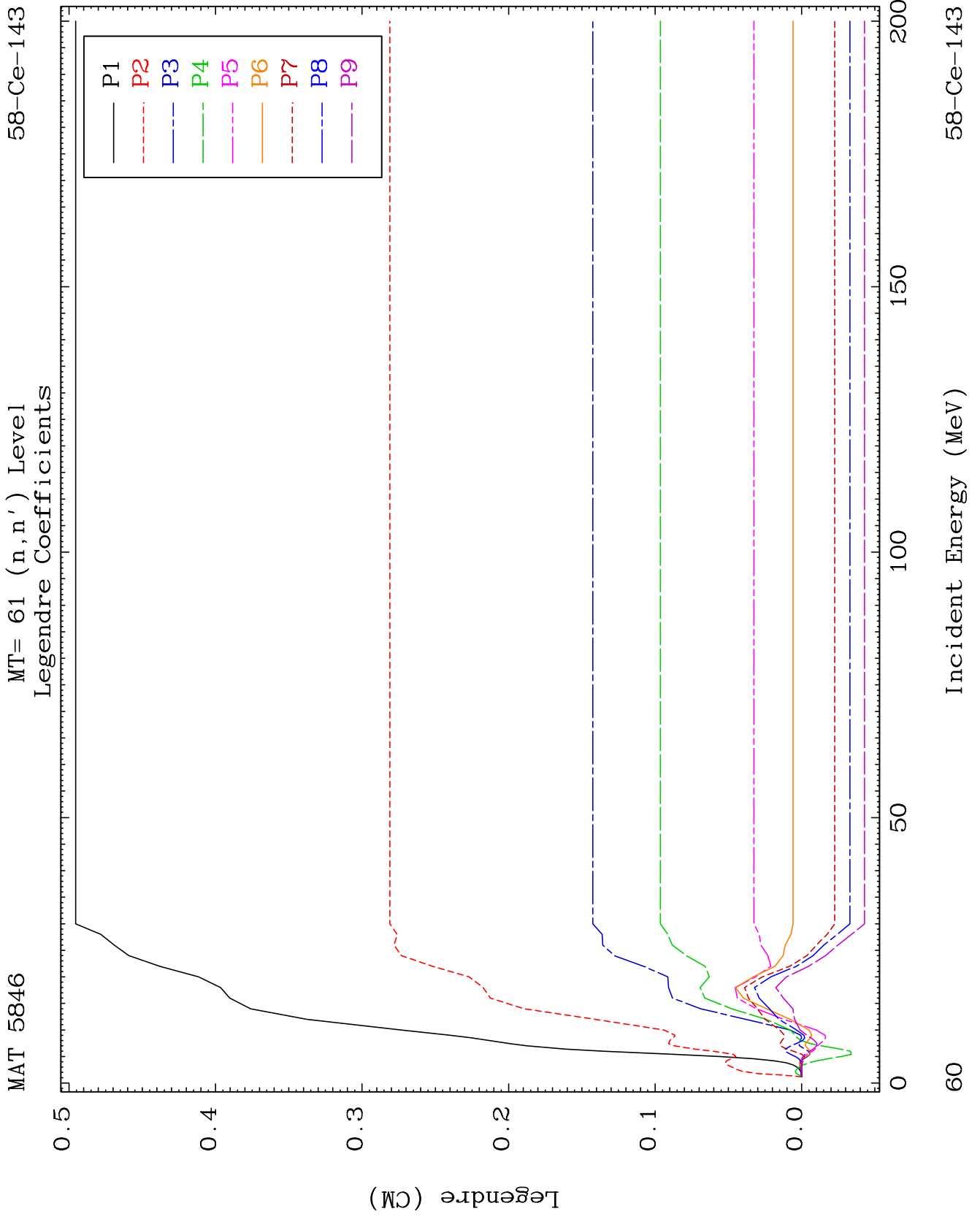
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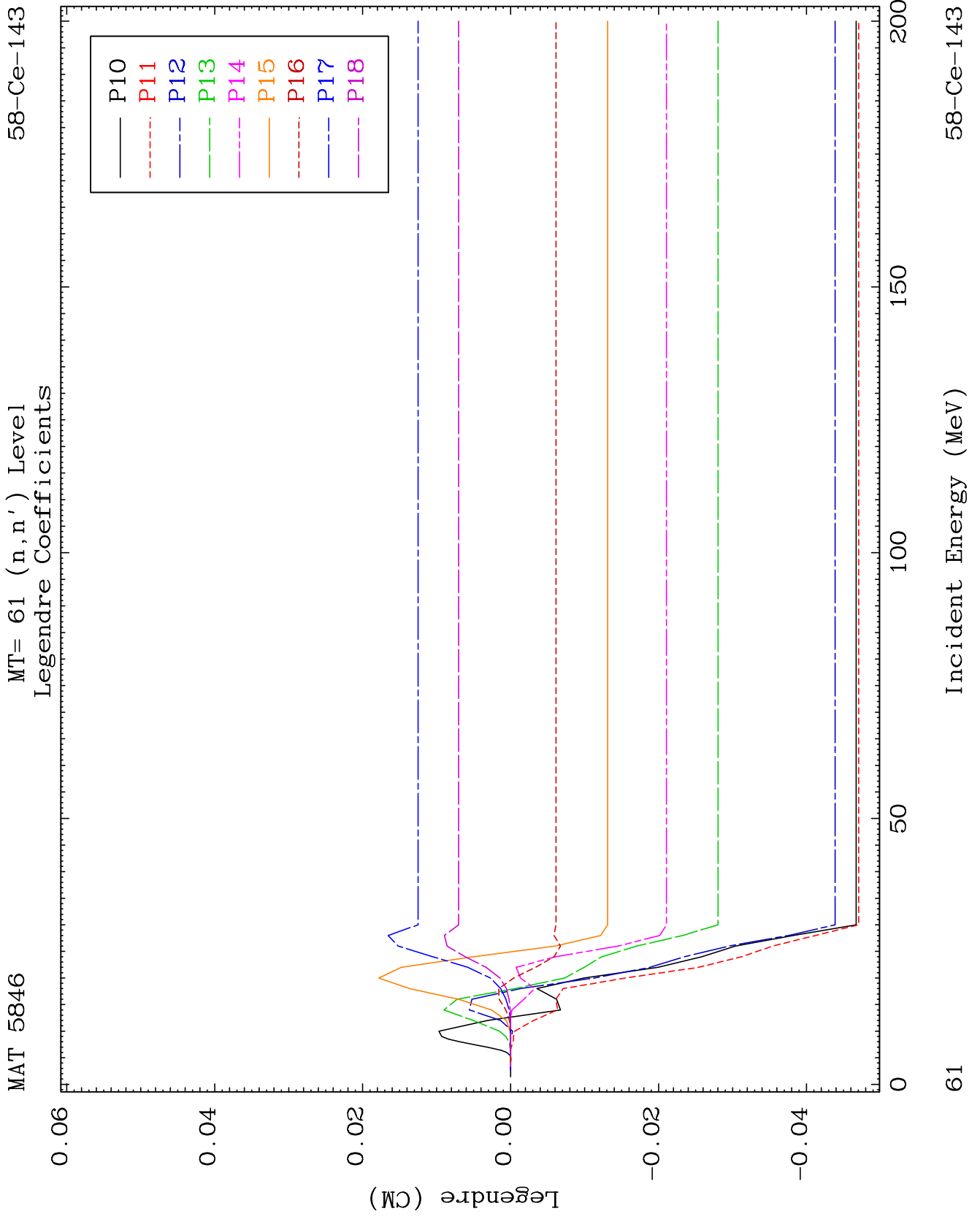


59

Incident Energy (MeV)

58-Ce-143

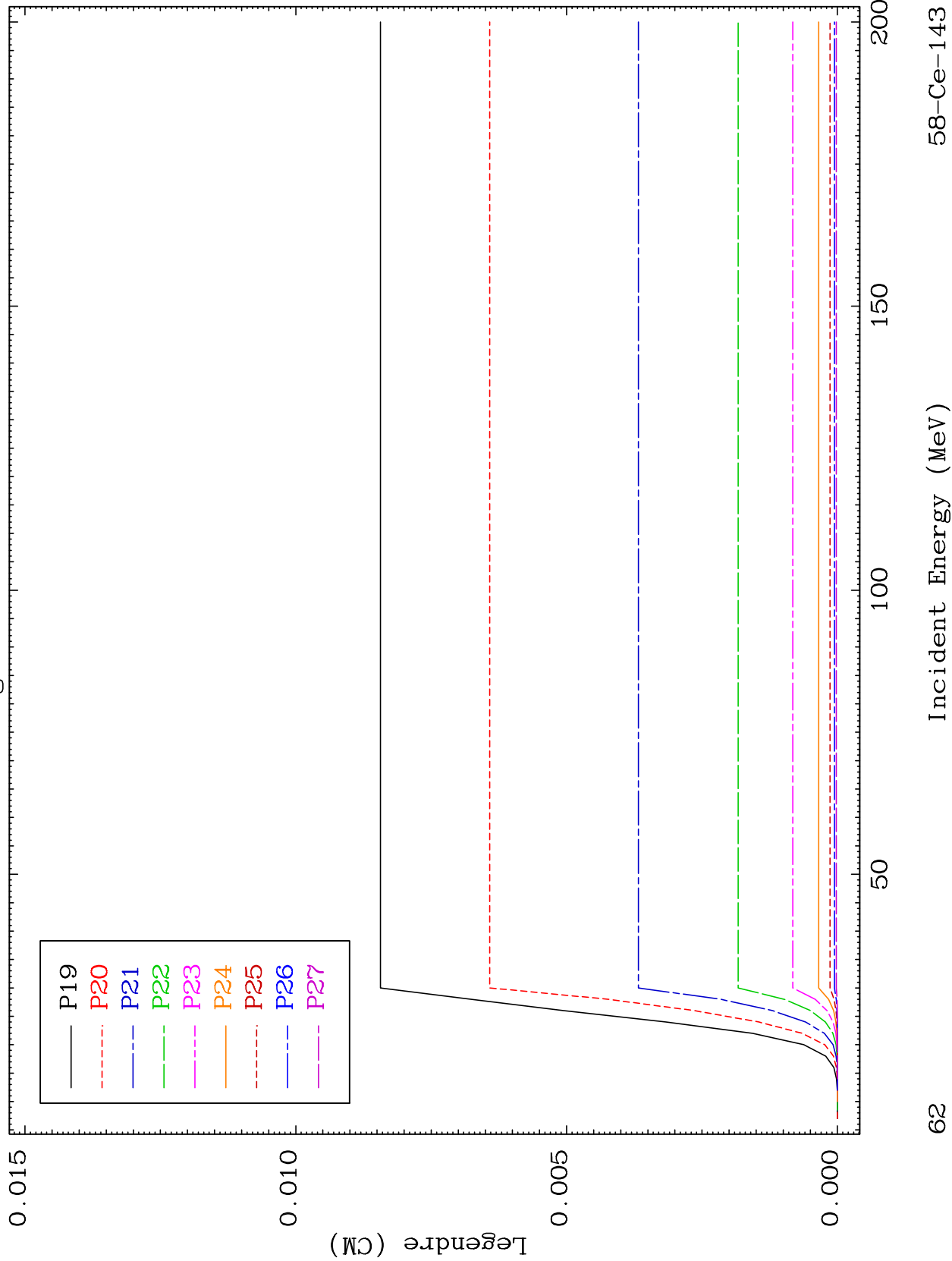




MAT 5846

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

58-Ce-143



62

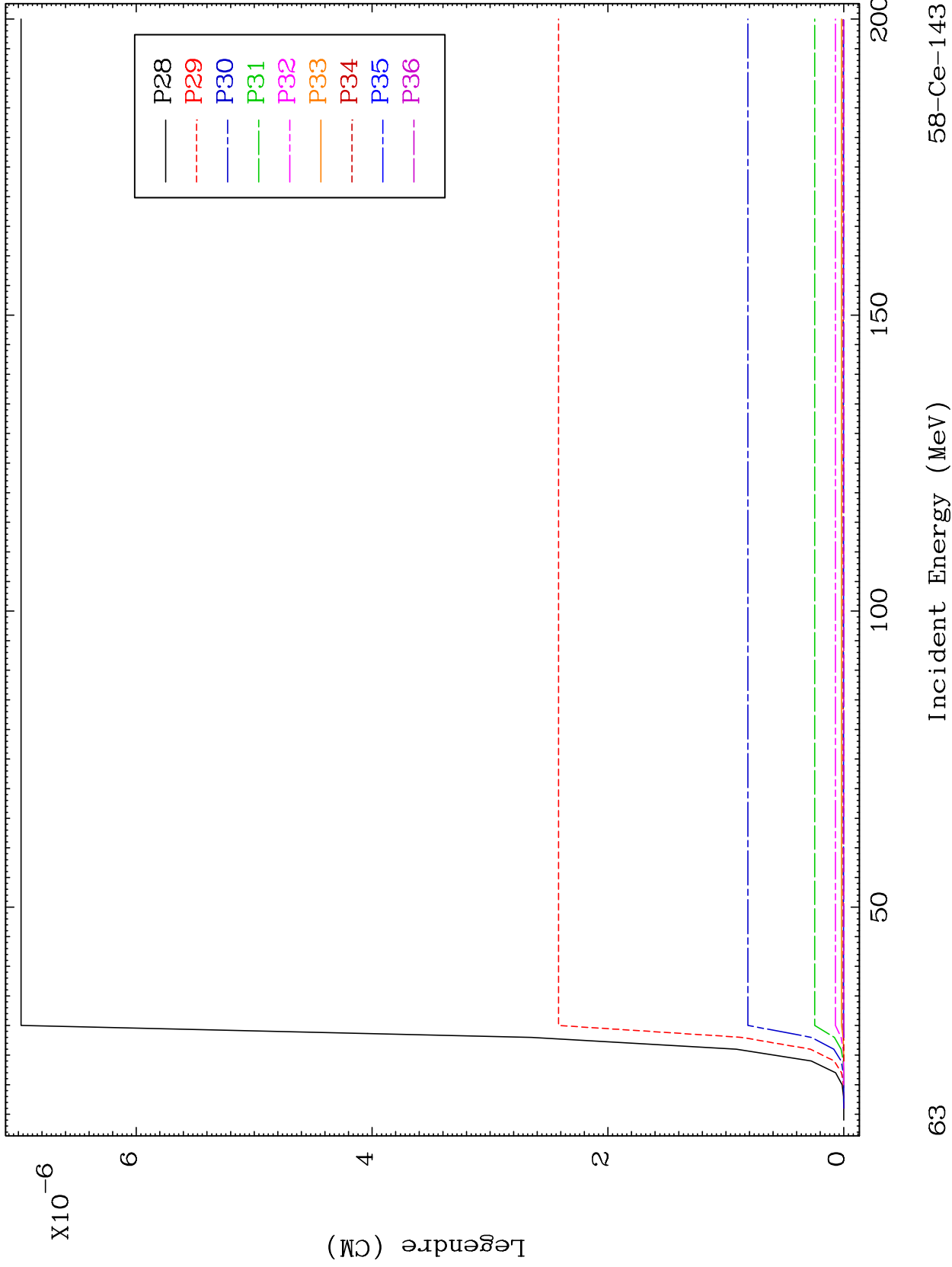
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143



63

Incident Energy (MeV)

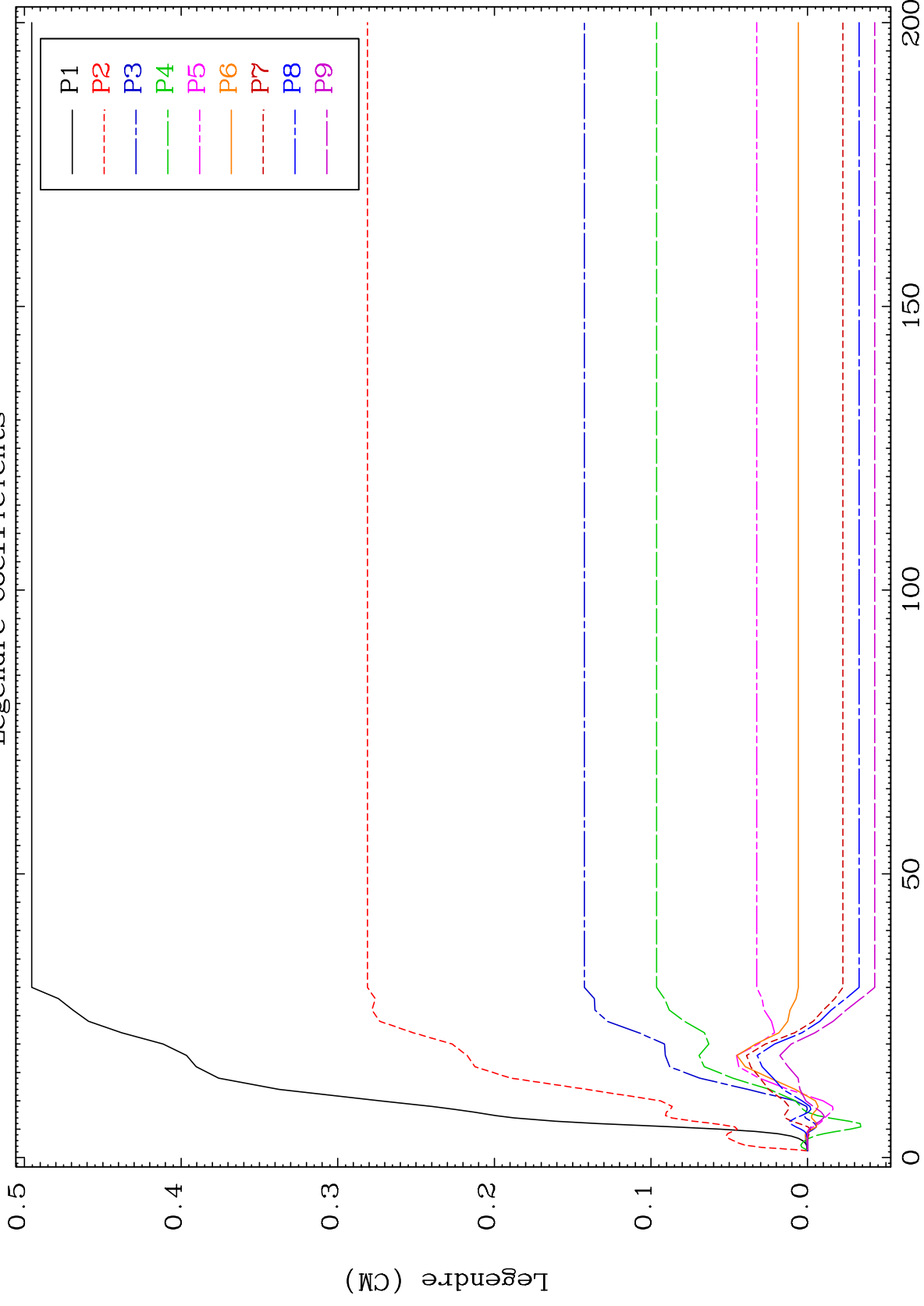
58-Ce-143



MAT 5846

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

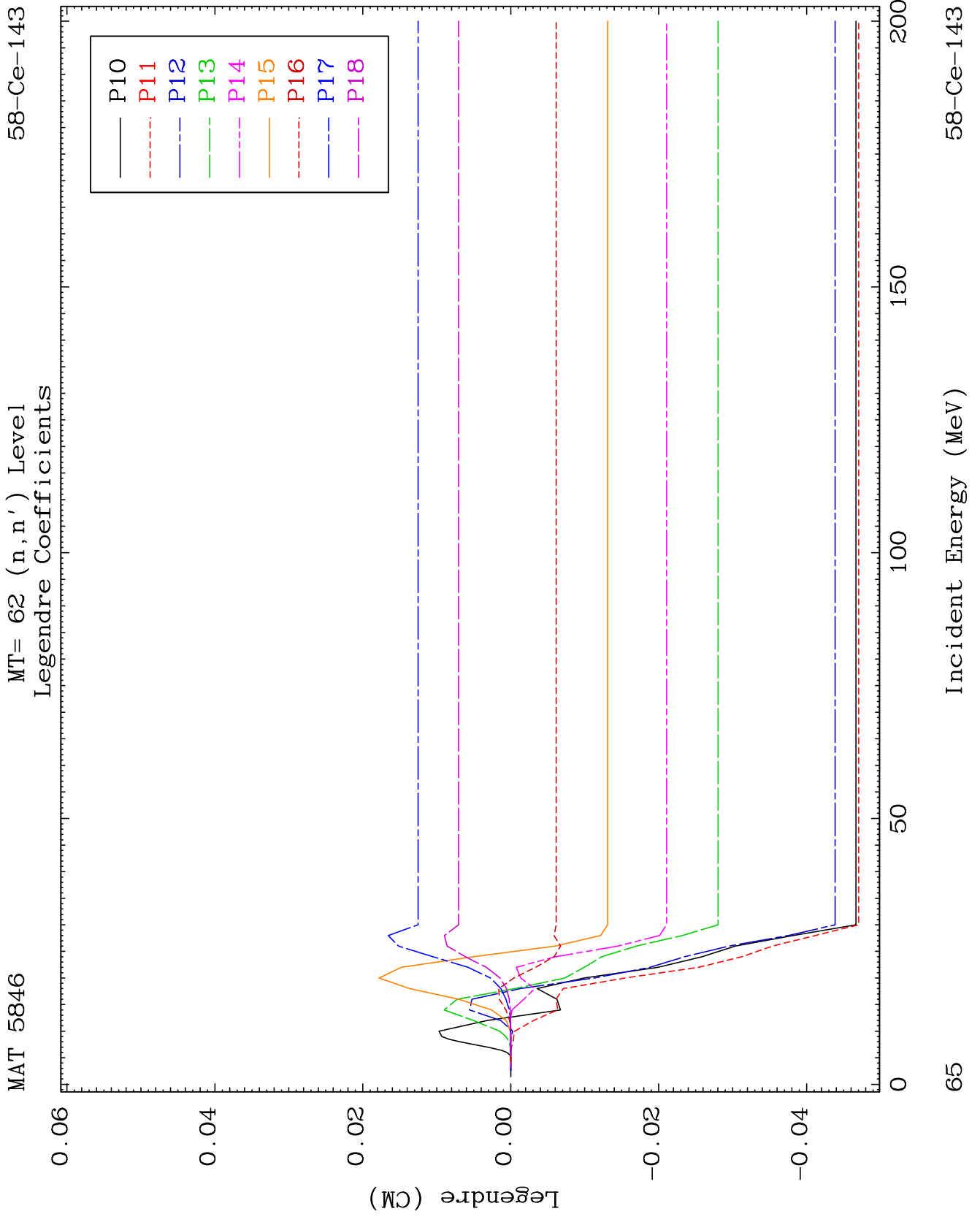
58-Ce-143

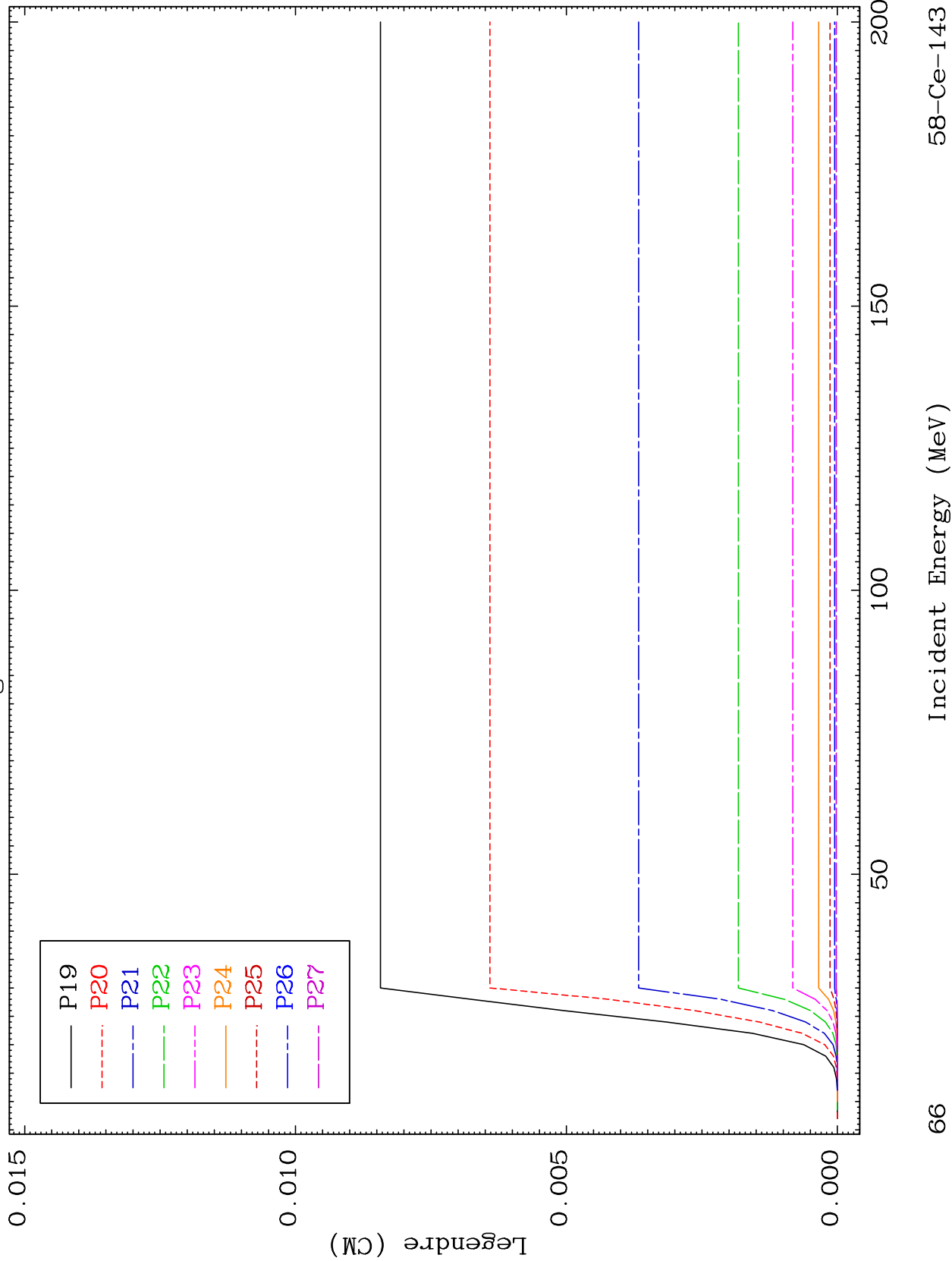


64

Incident Energy (MeV)

58-Ce-143

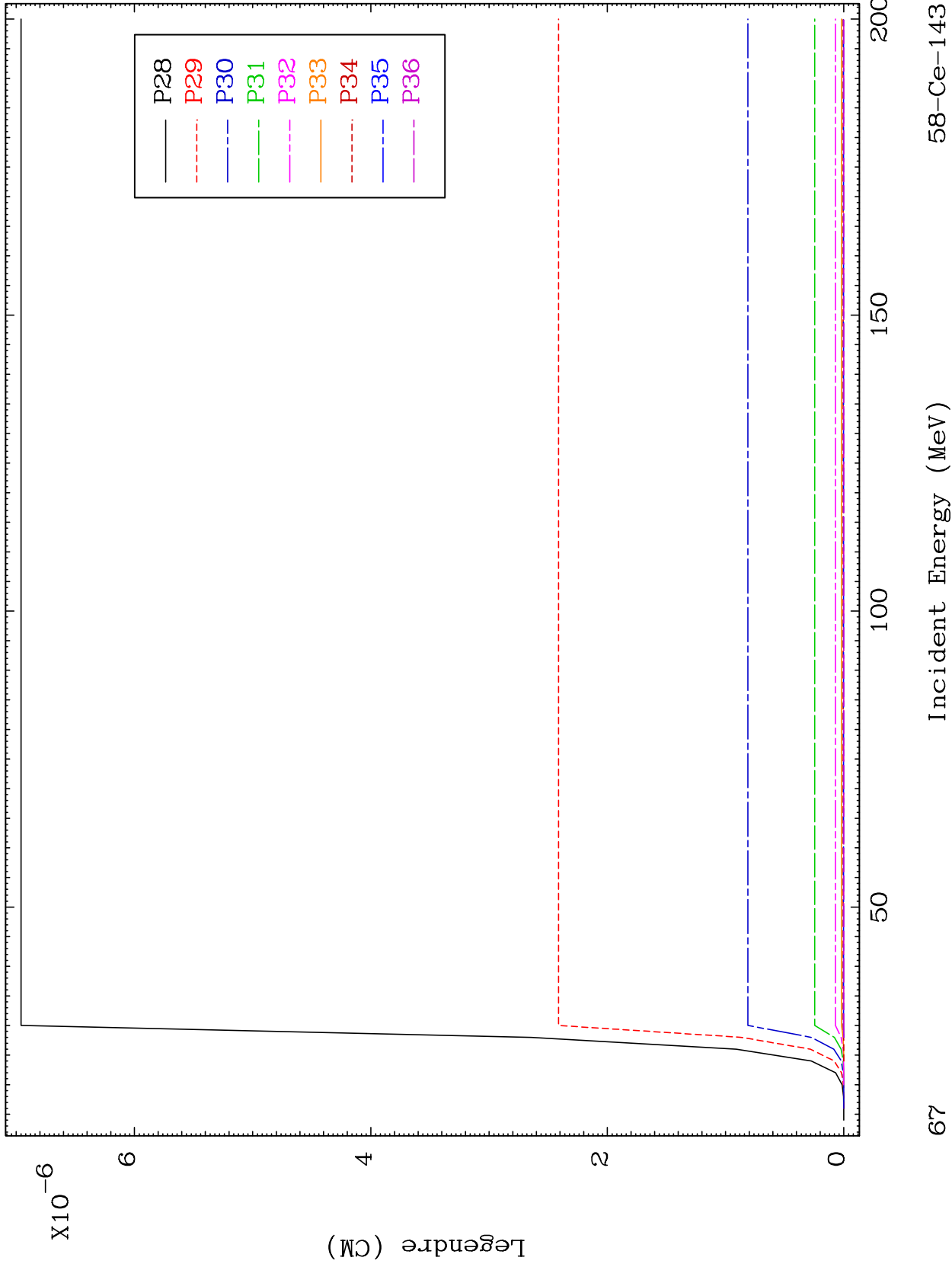


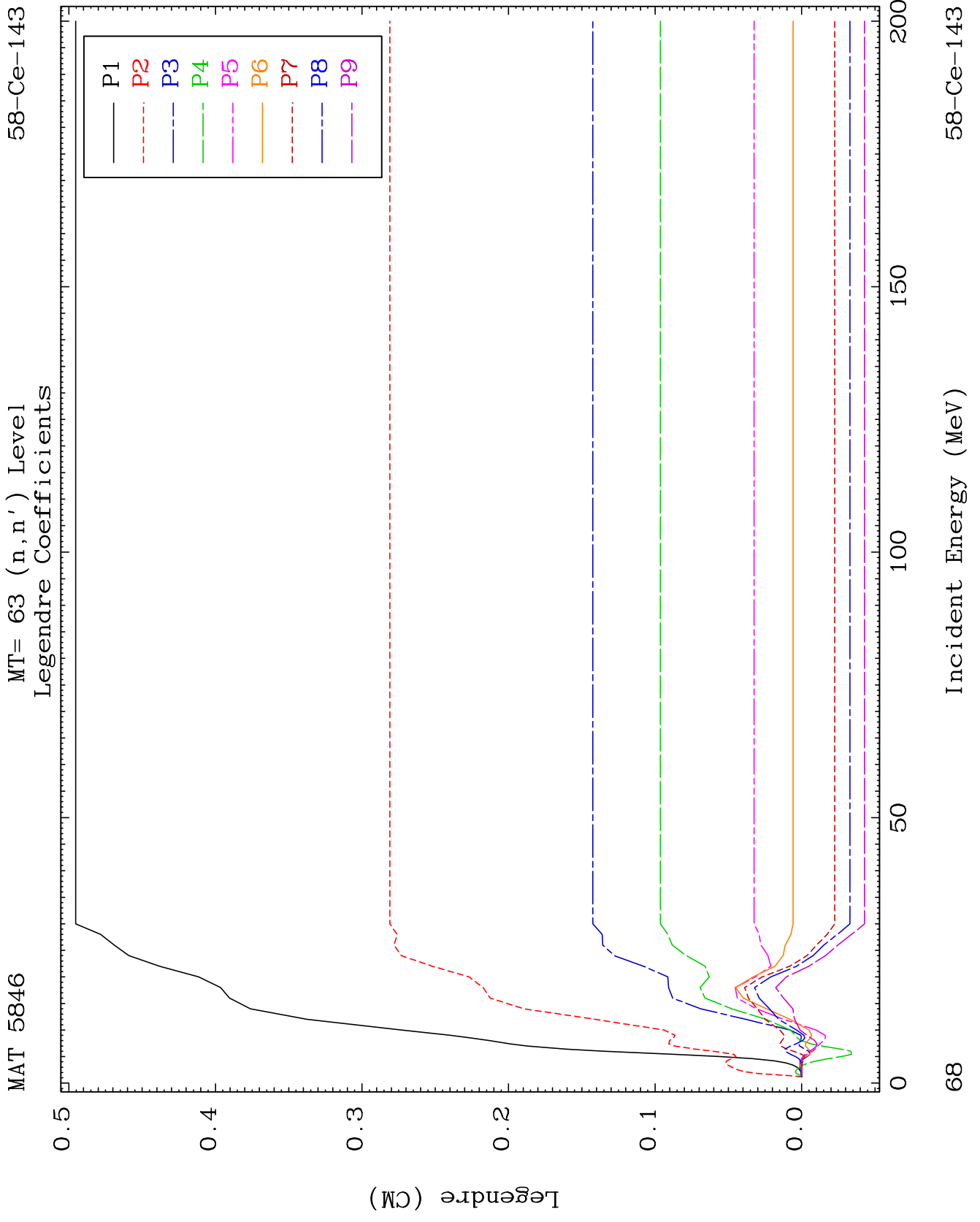


MAT 5846

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

58-Ce-143



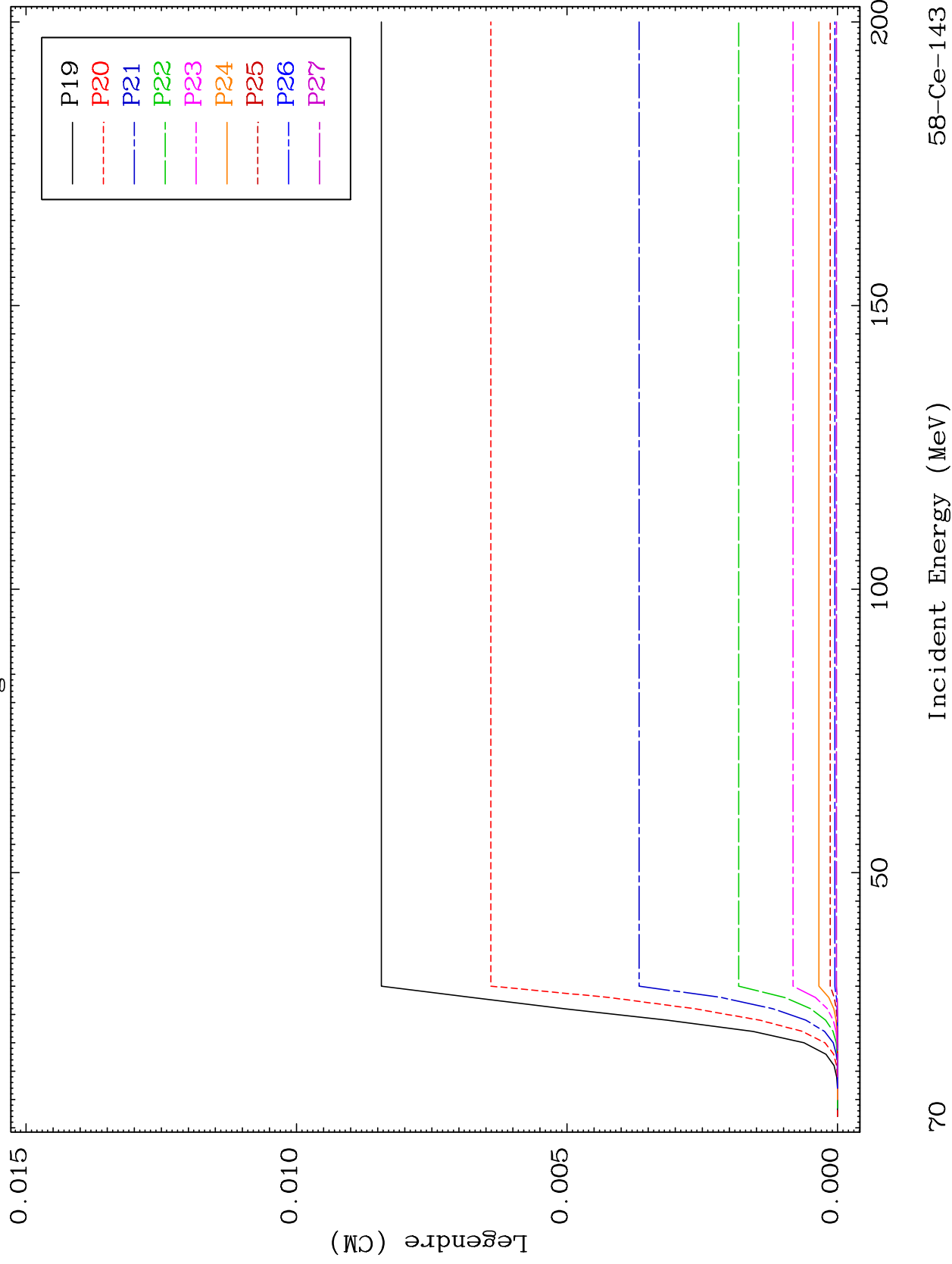




MAT 5846

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

58-Ce-143



58-Ce-143

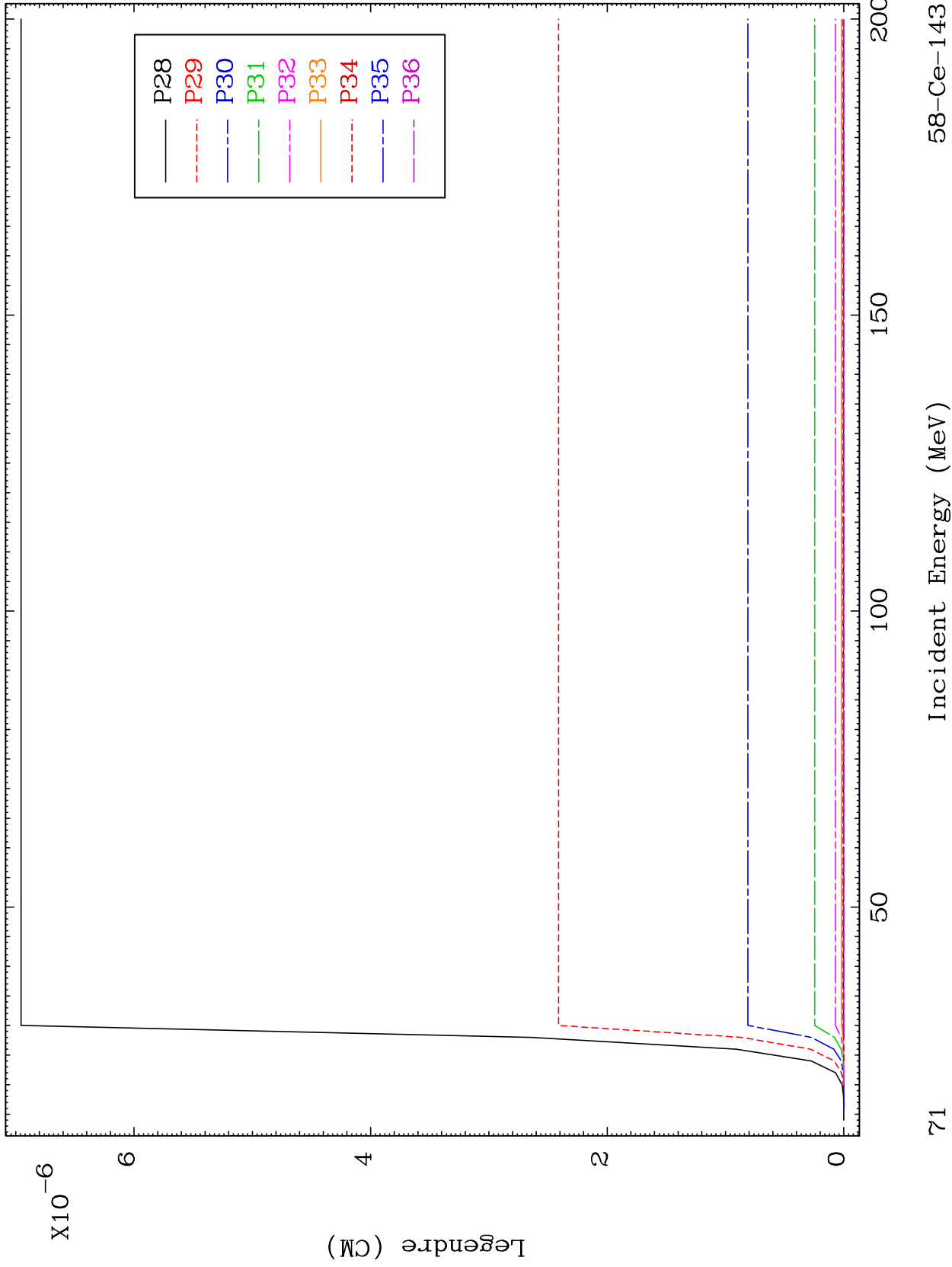
Incident Energy (MeV)

70

MAT 5846

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

58-Ce-143





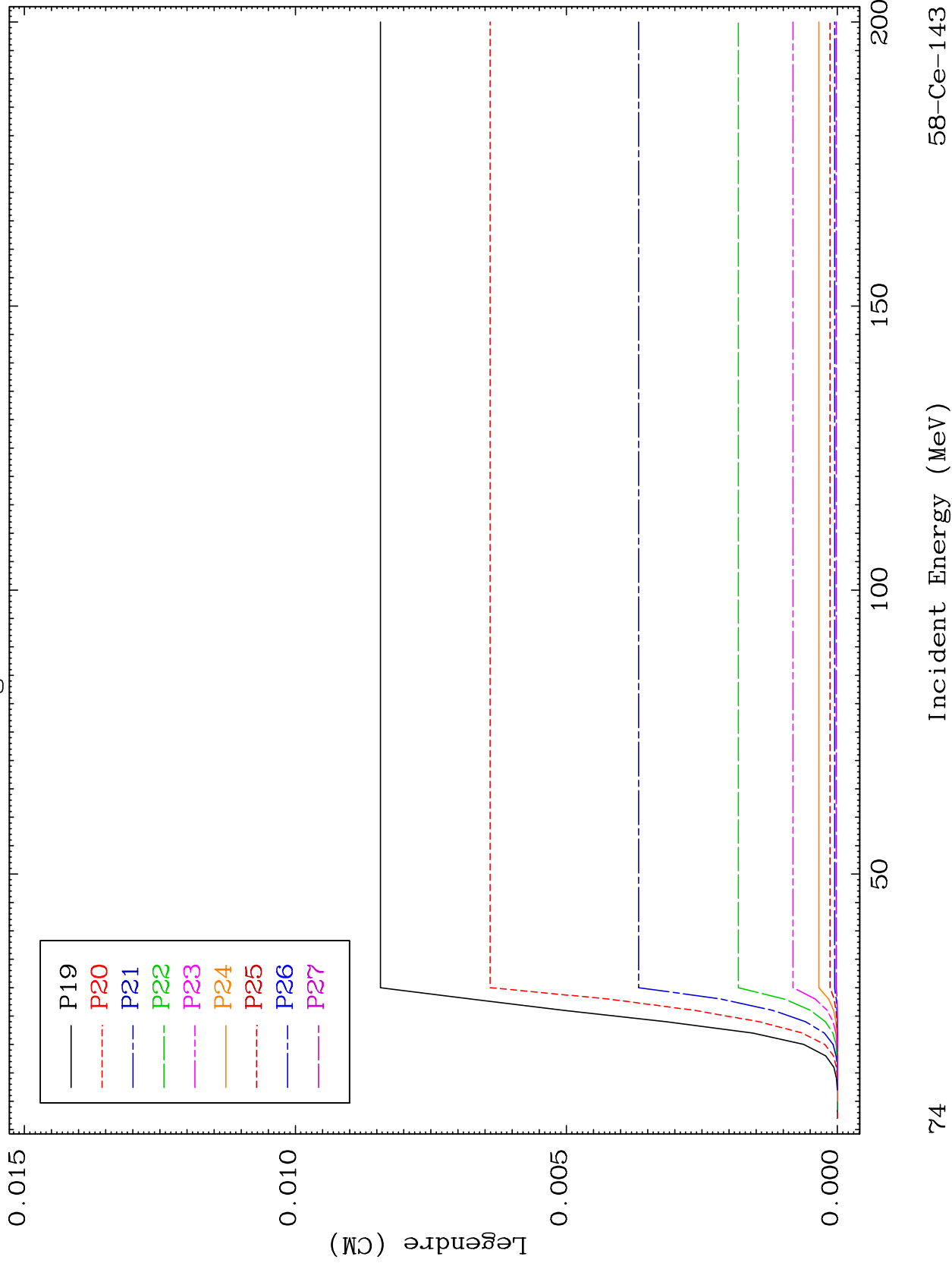




MAT 5846

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

58-Ce-143



74

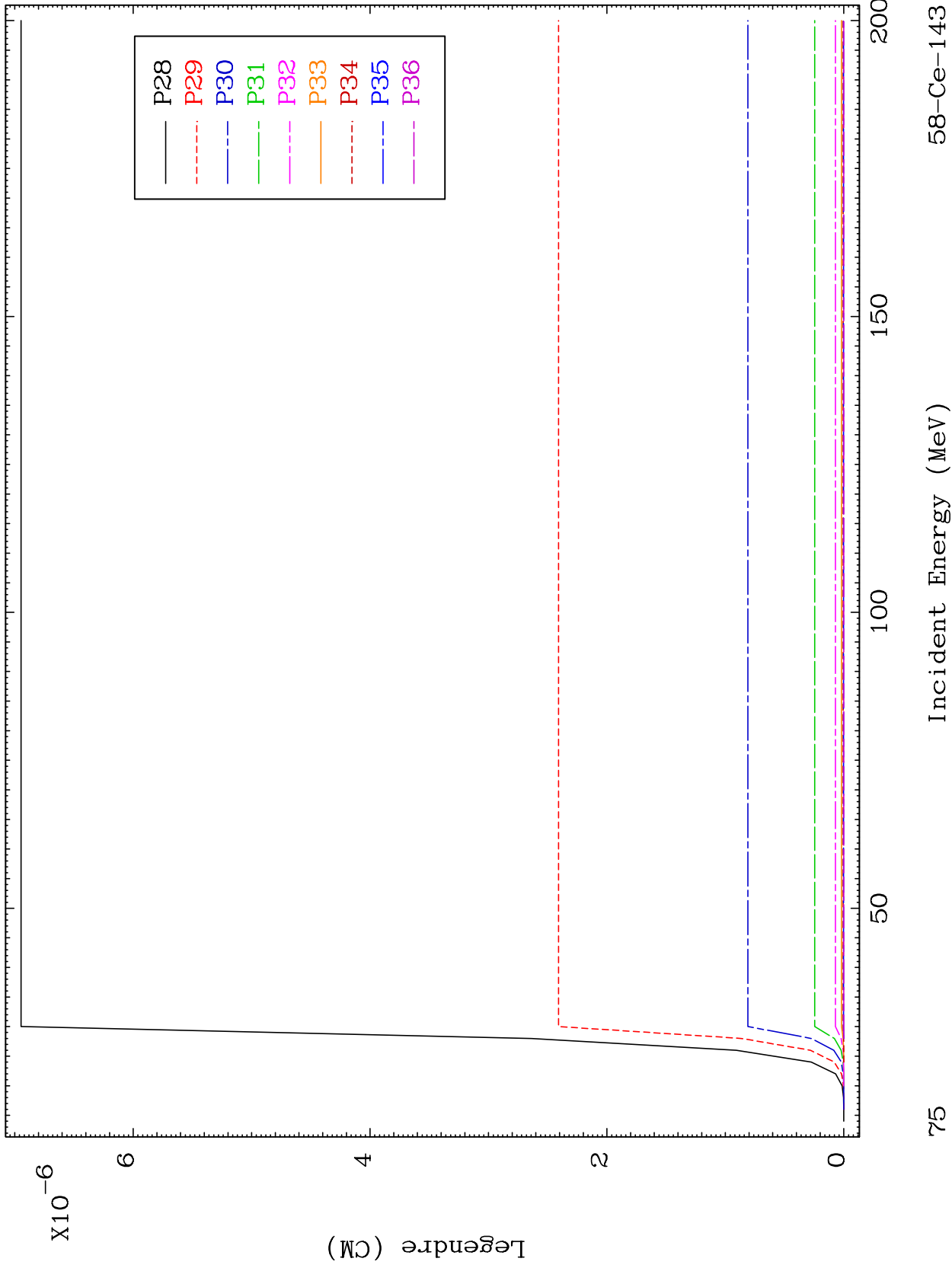
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143



75

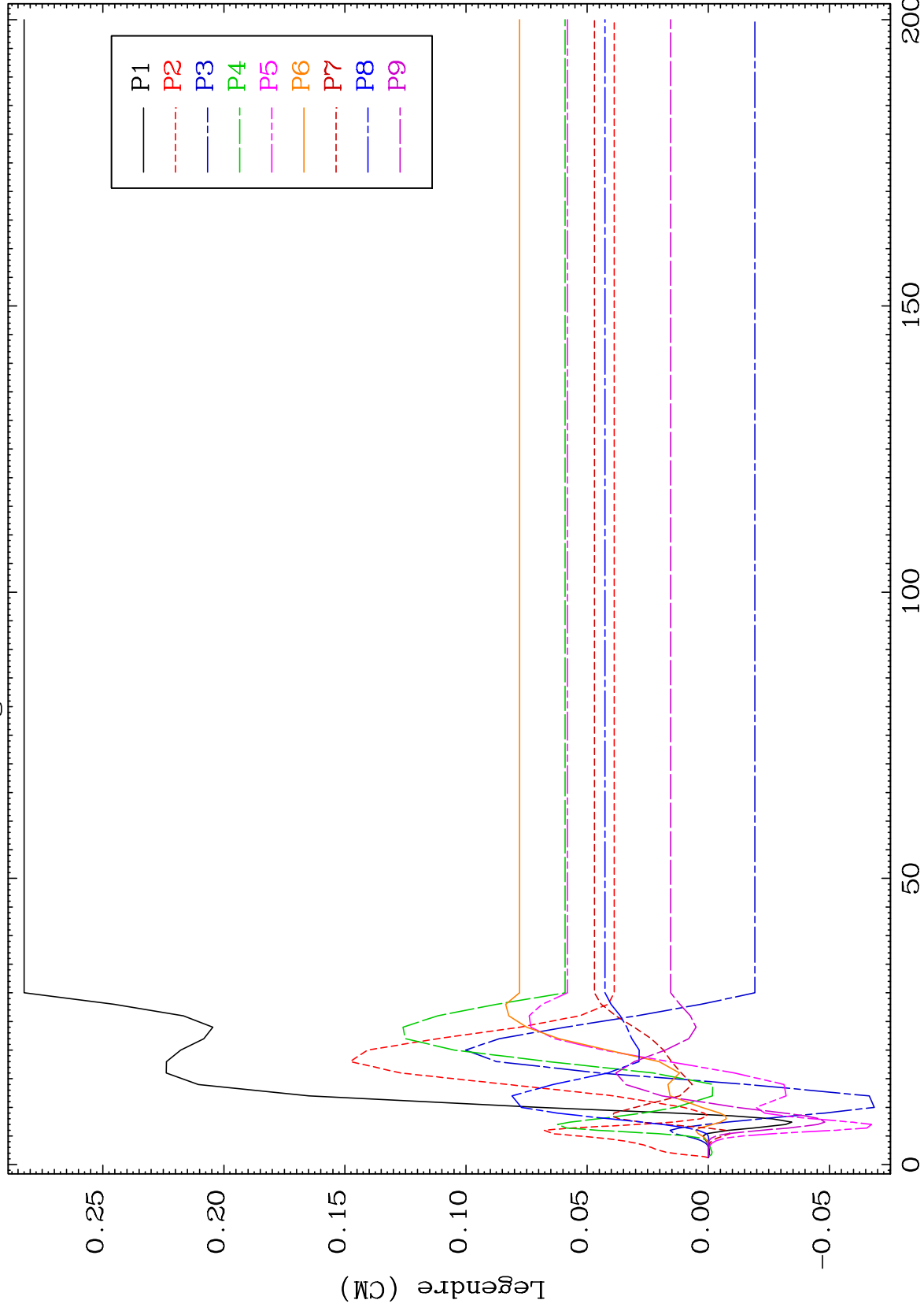
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143



76

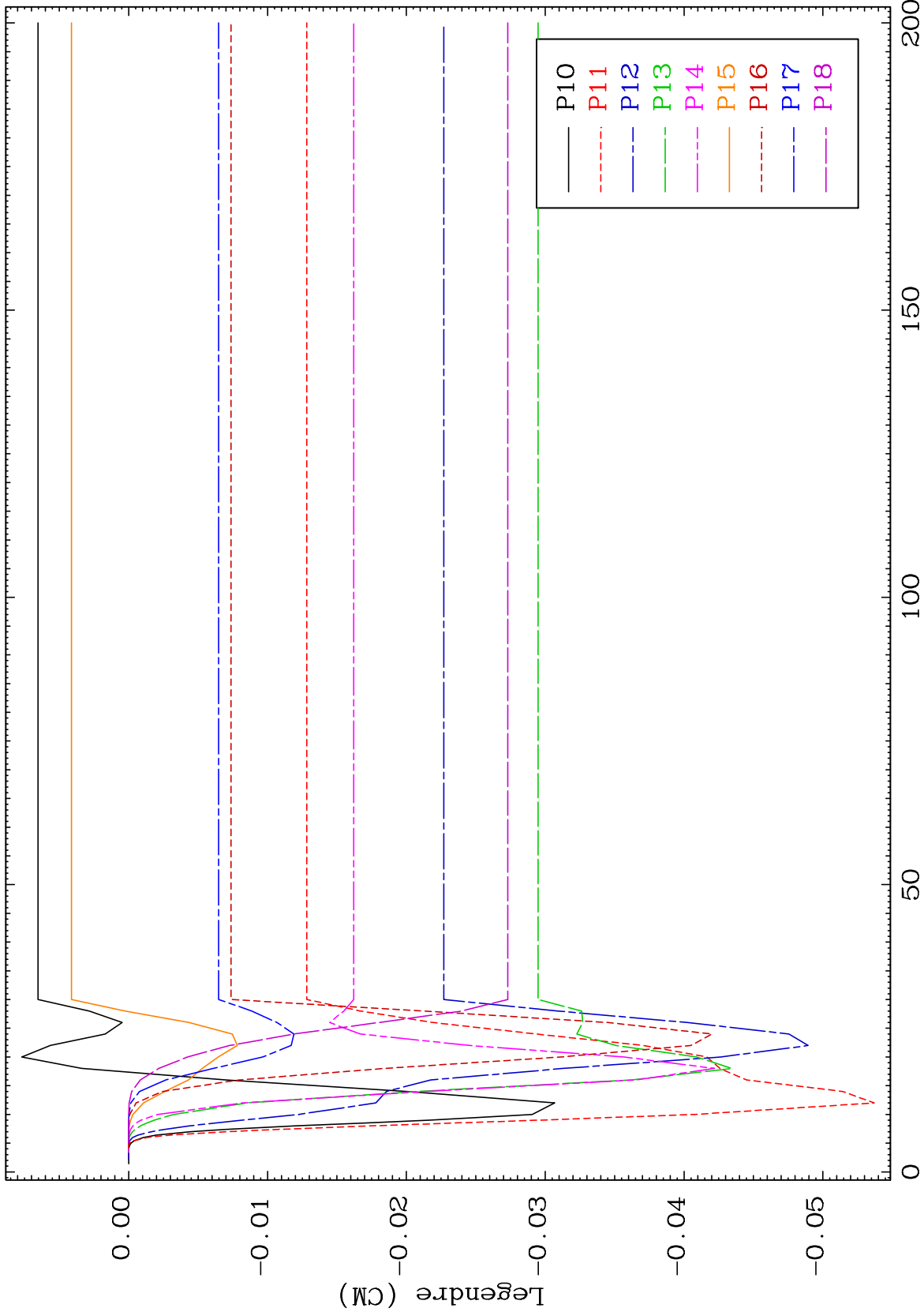
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

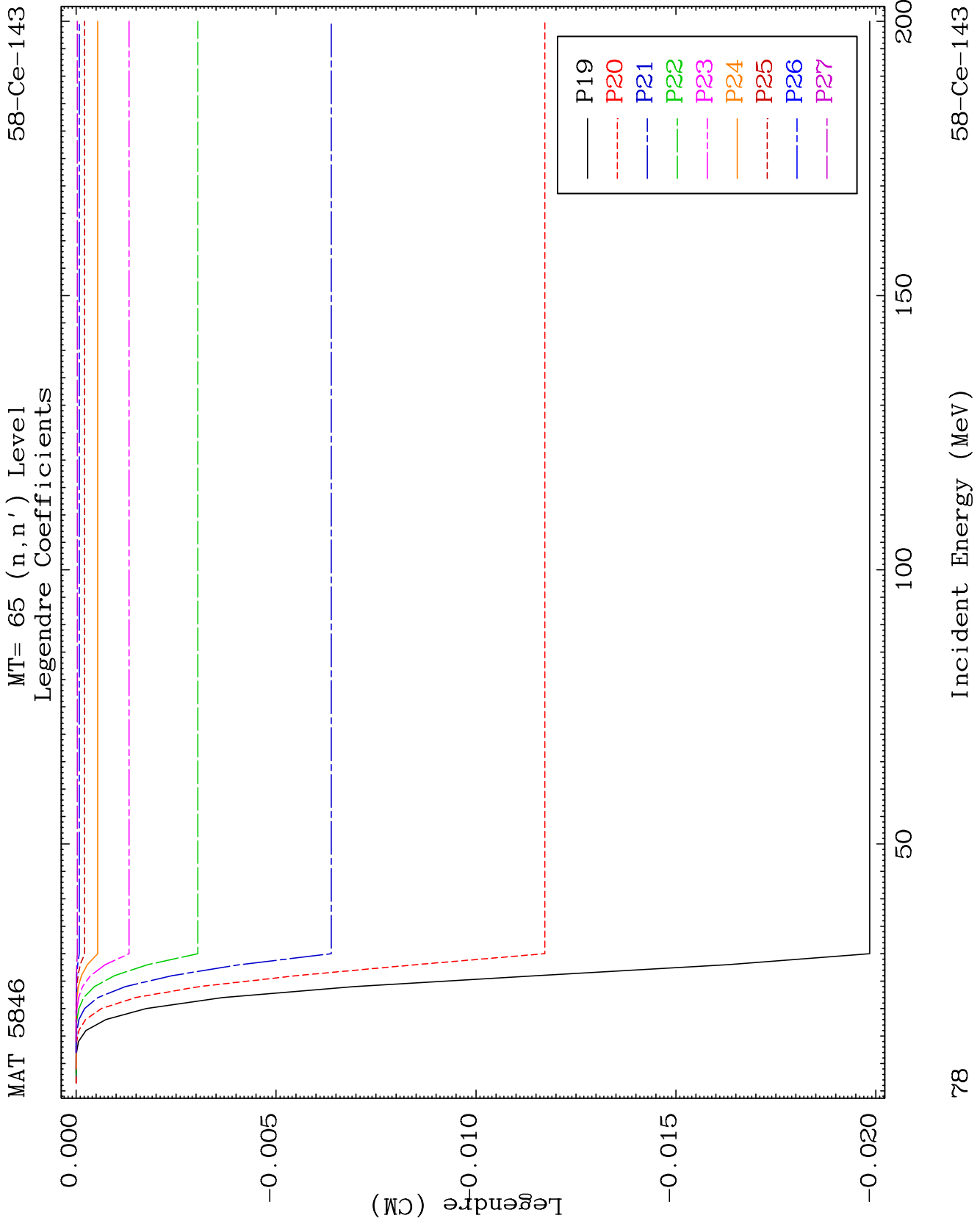
58-Ce-143



77

Incident Energy (MeV)

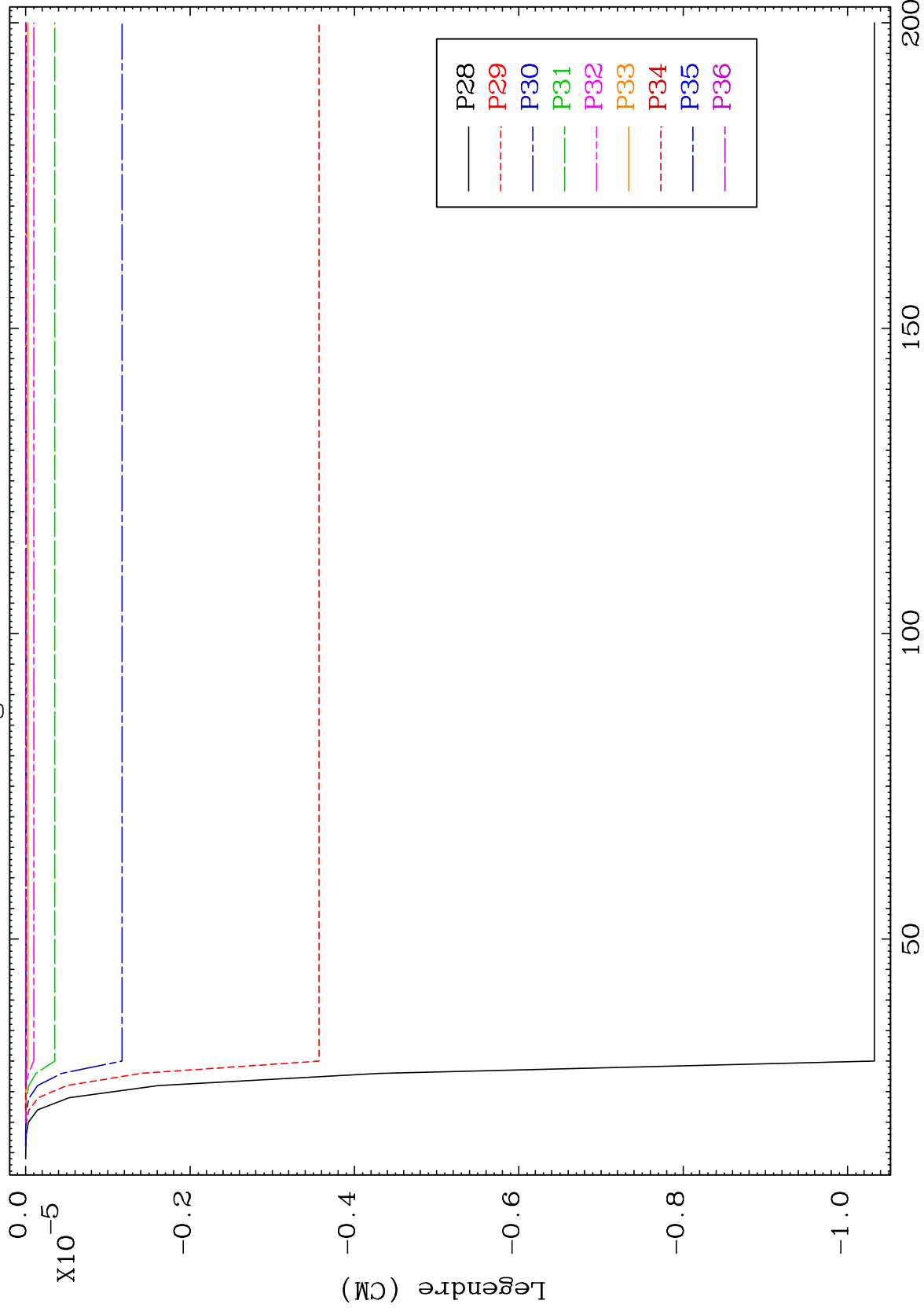
58-Ce-143



MAT 5846

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

58-Ce-143



79

Incident Energy (MeV)

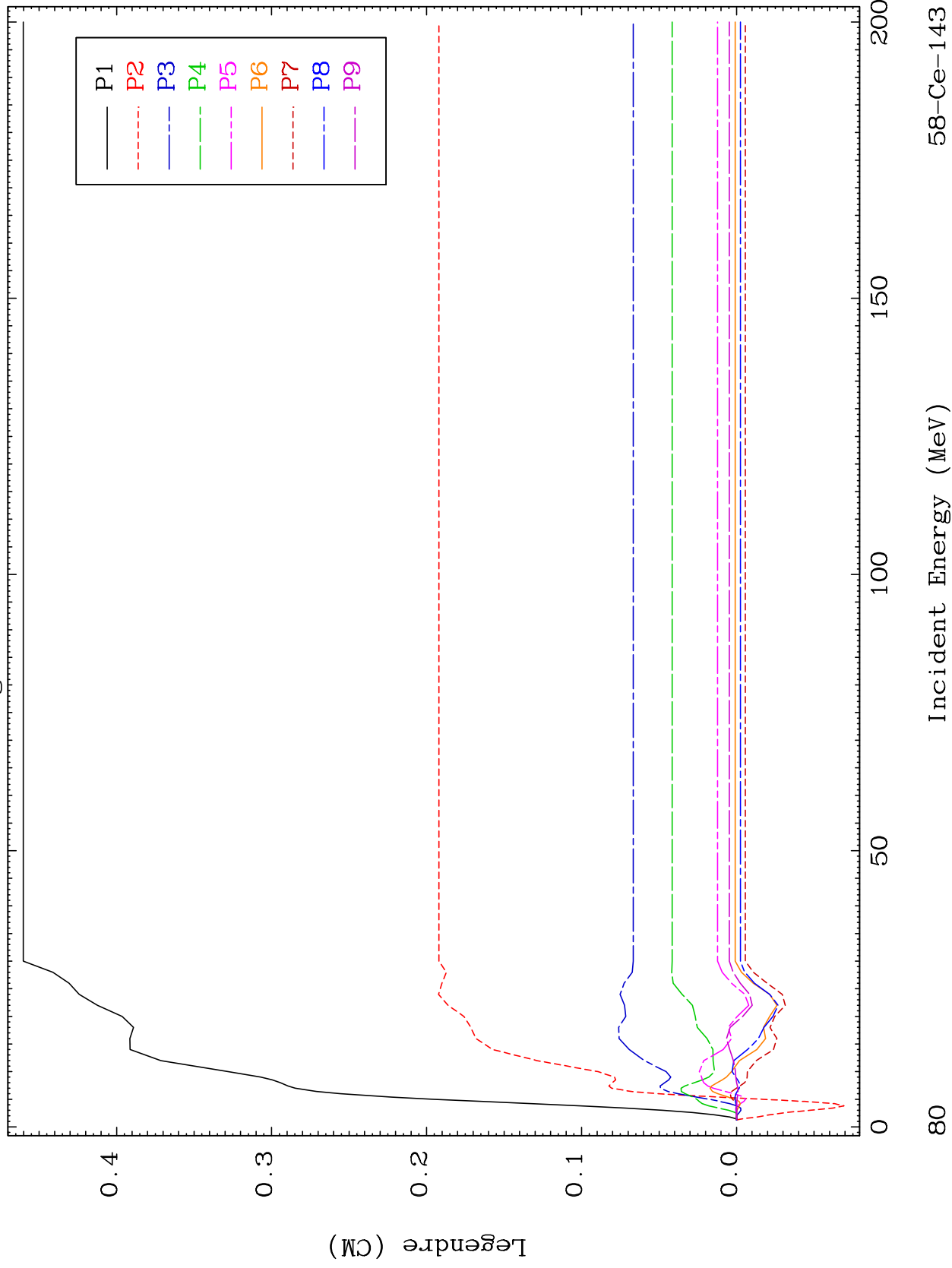
58-Ce-143



MAT 5846

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

58-Ce-143



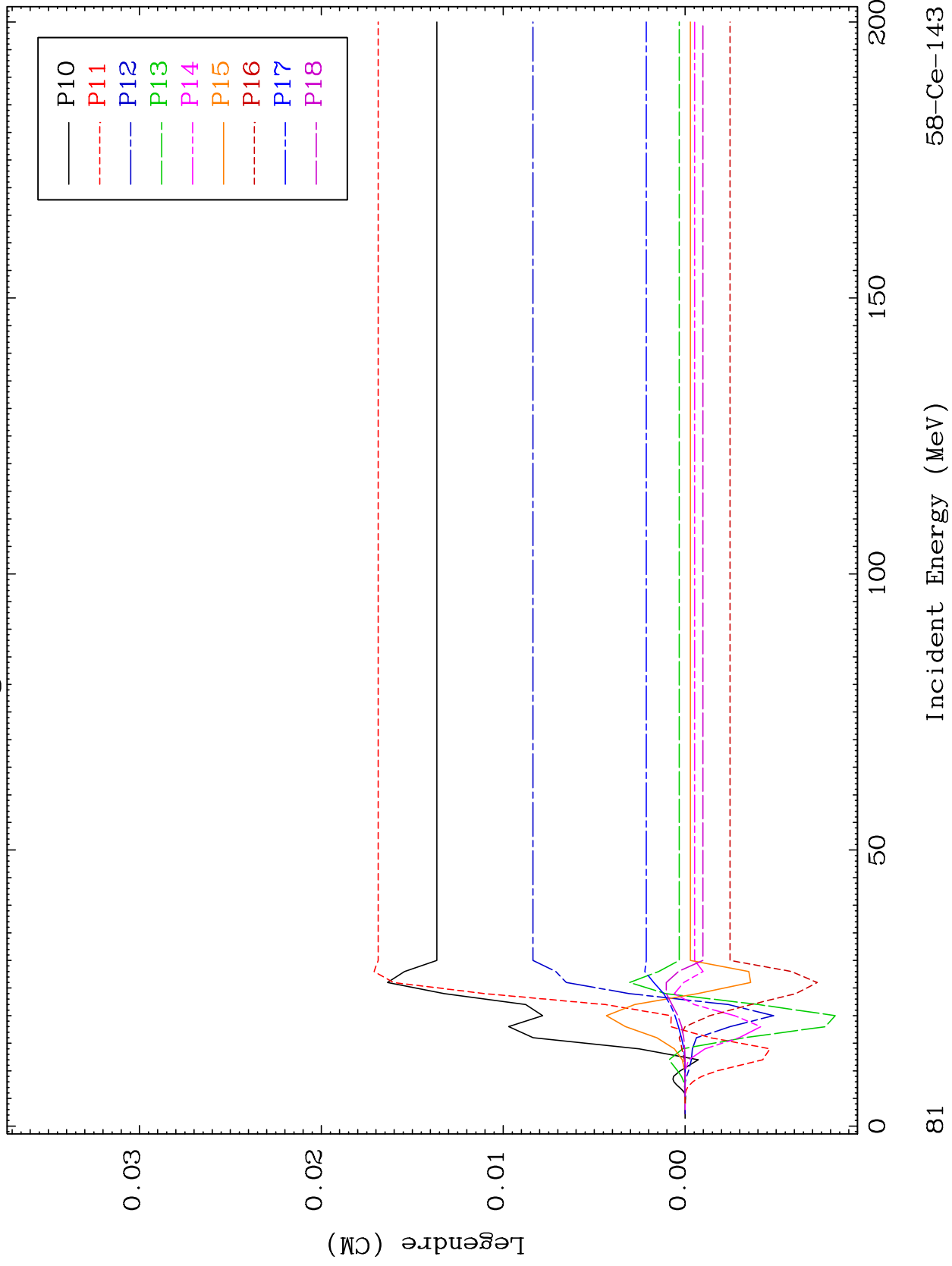
58-Ce-143

Incident Energy (MeV)

MAT 5846

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

58-Ce-143



58-Ce-143

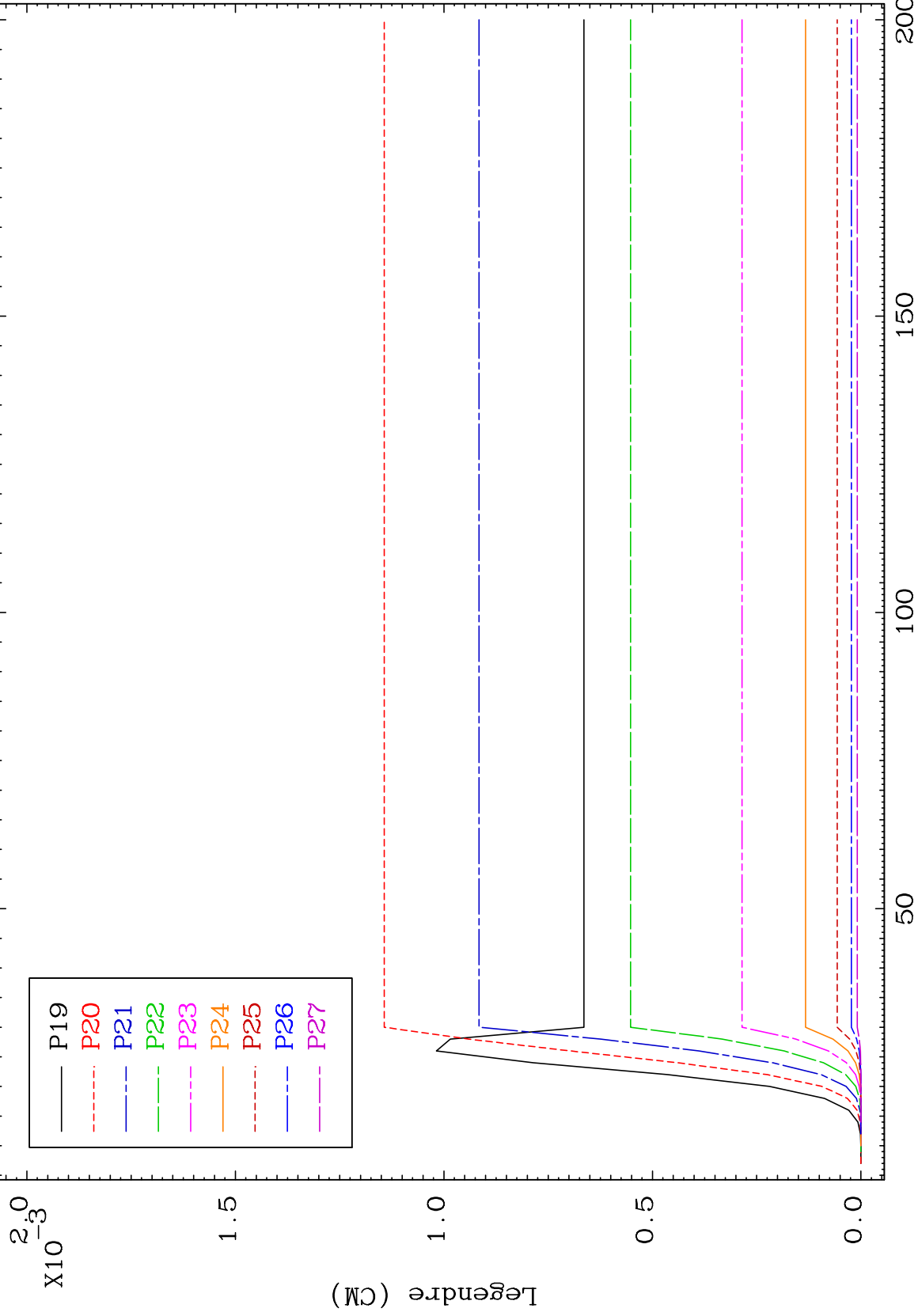
Incident Energy (MeV)

81

MAT 5846

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

58-Ce-143



82

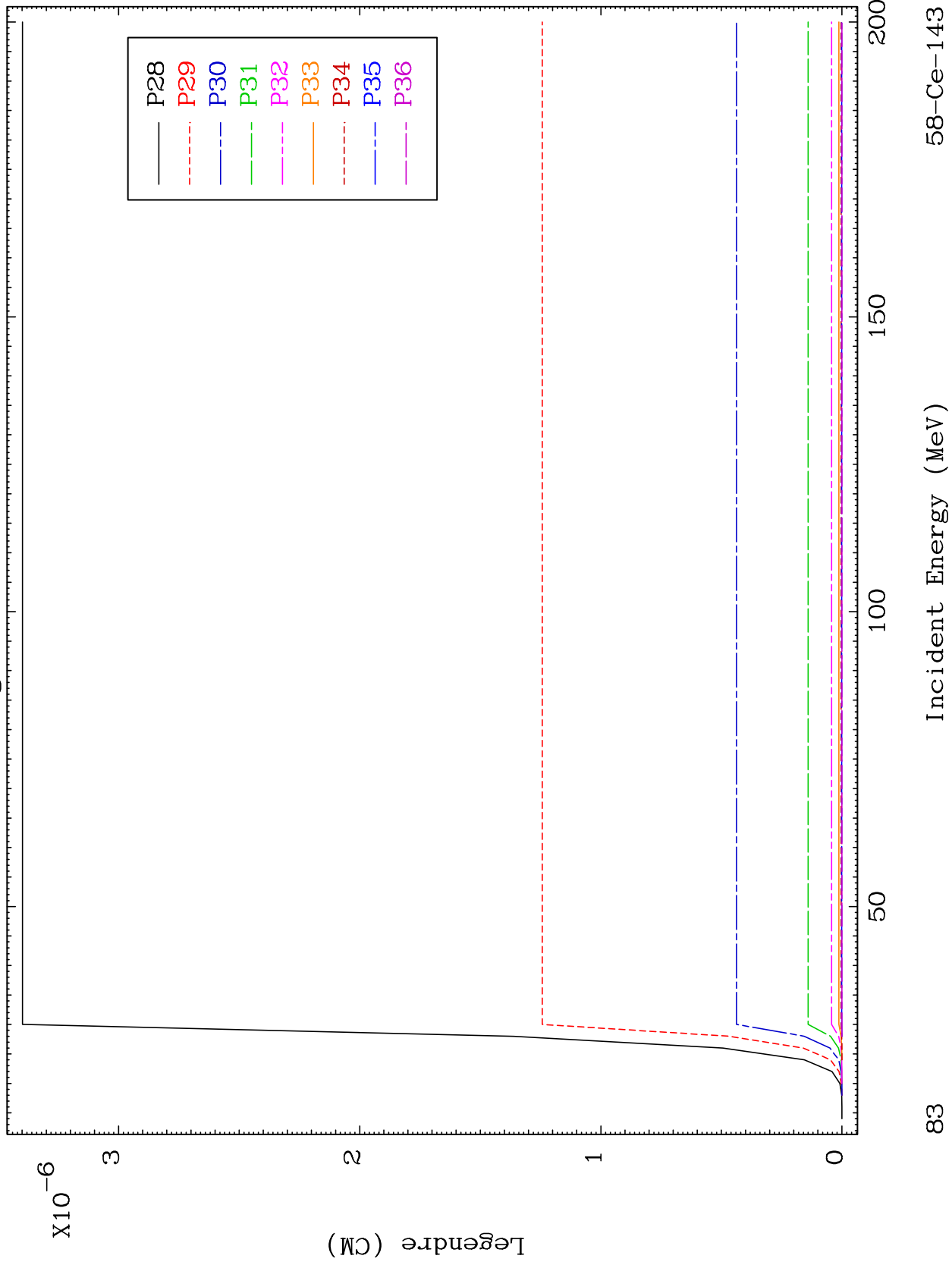
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

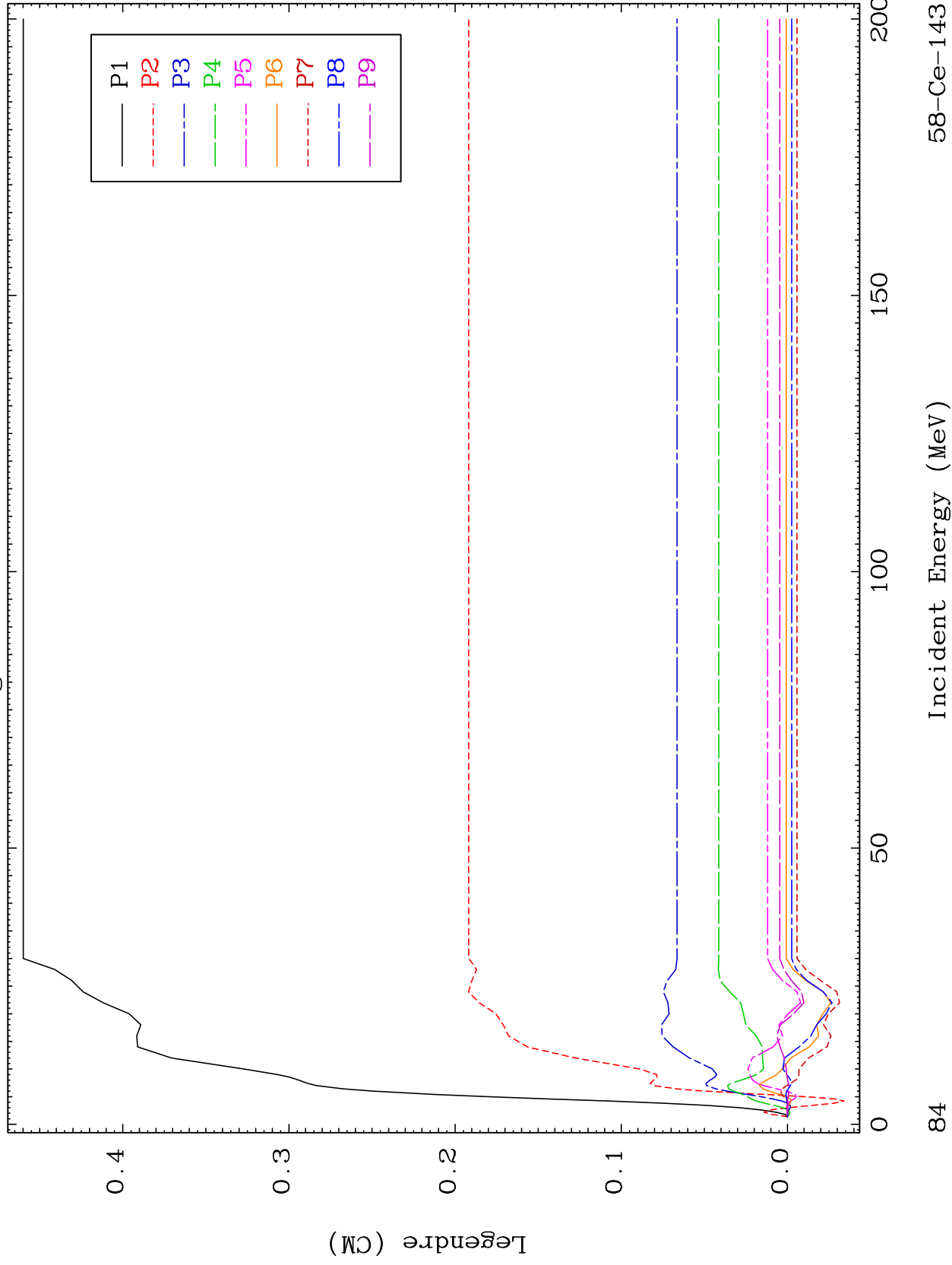
58-Ce-143



MAT 5846

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

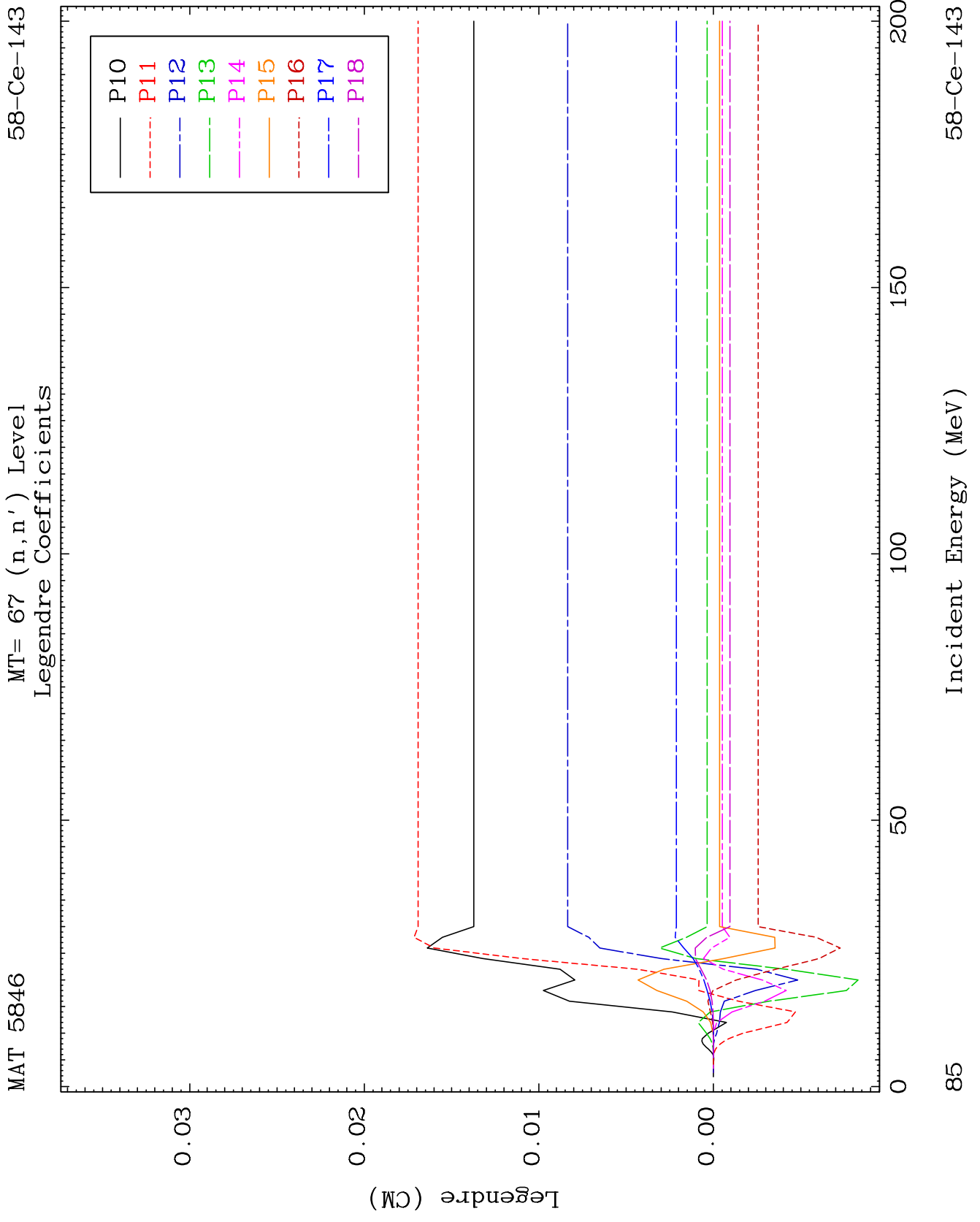
58-Ce-143

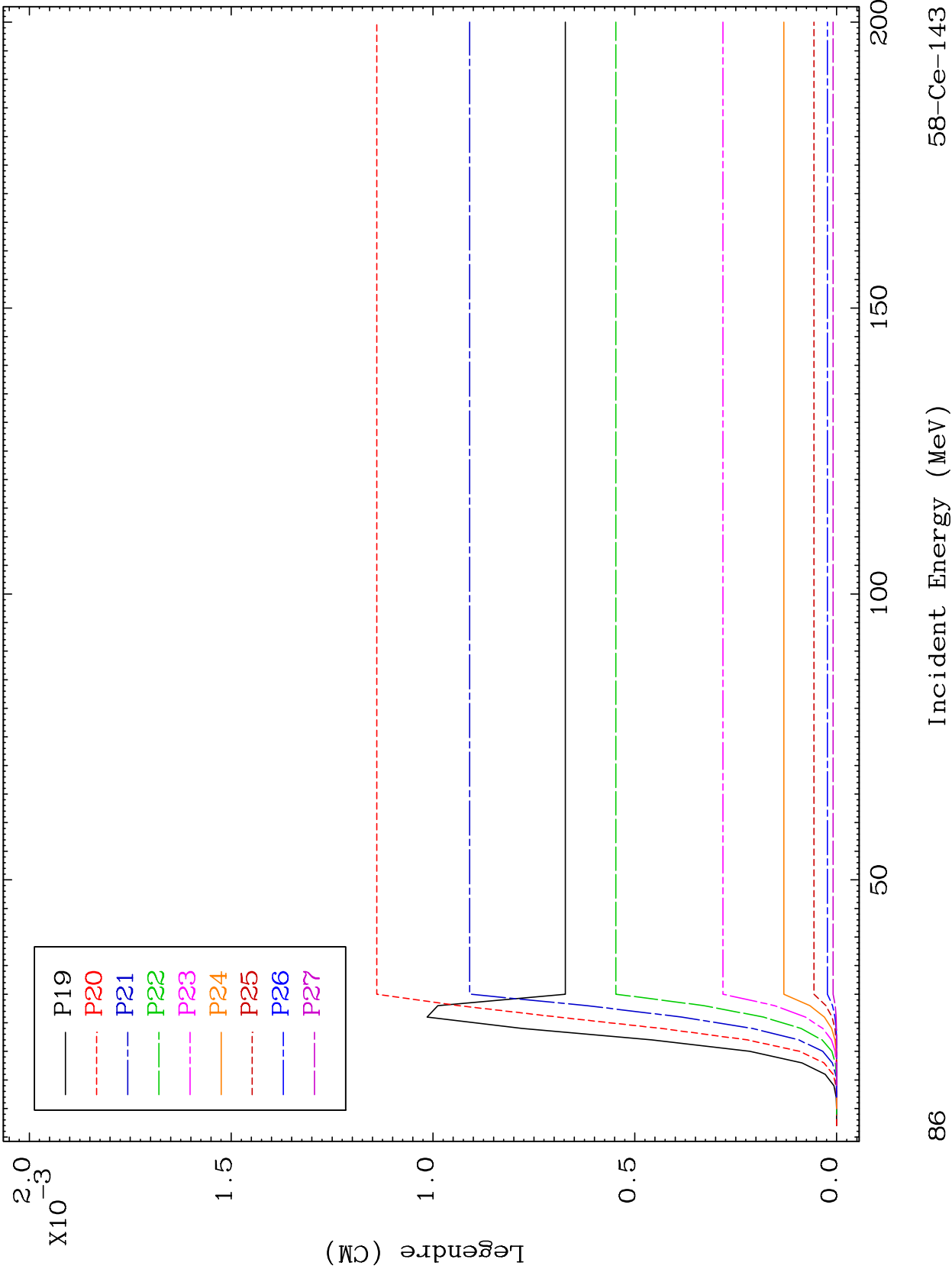


58-Ce-143

Incident Energy (MeV)

84

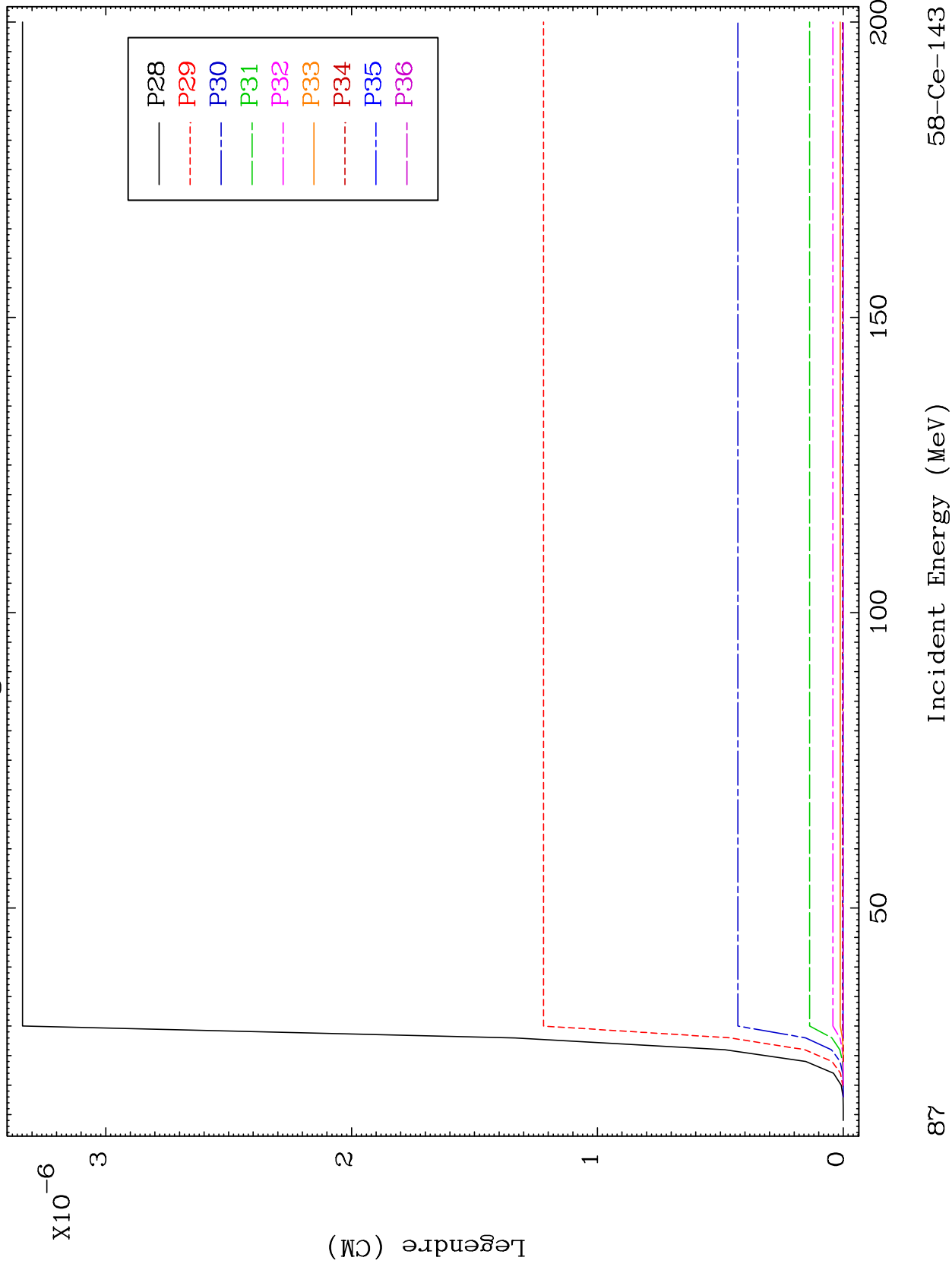




MAT 5846

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

58-Ce-143

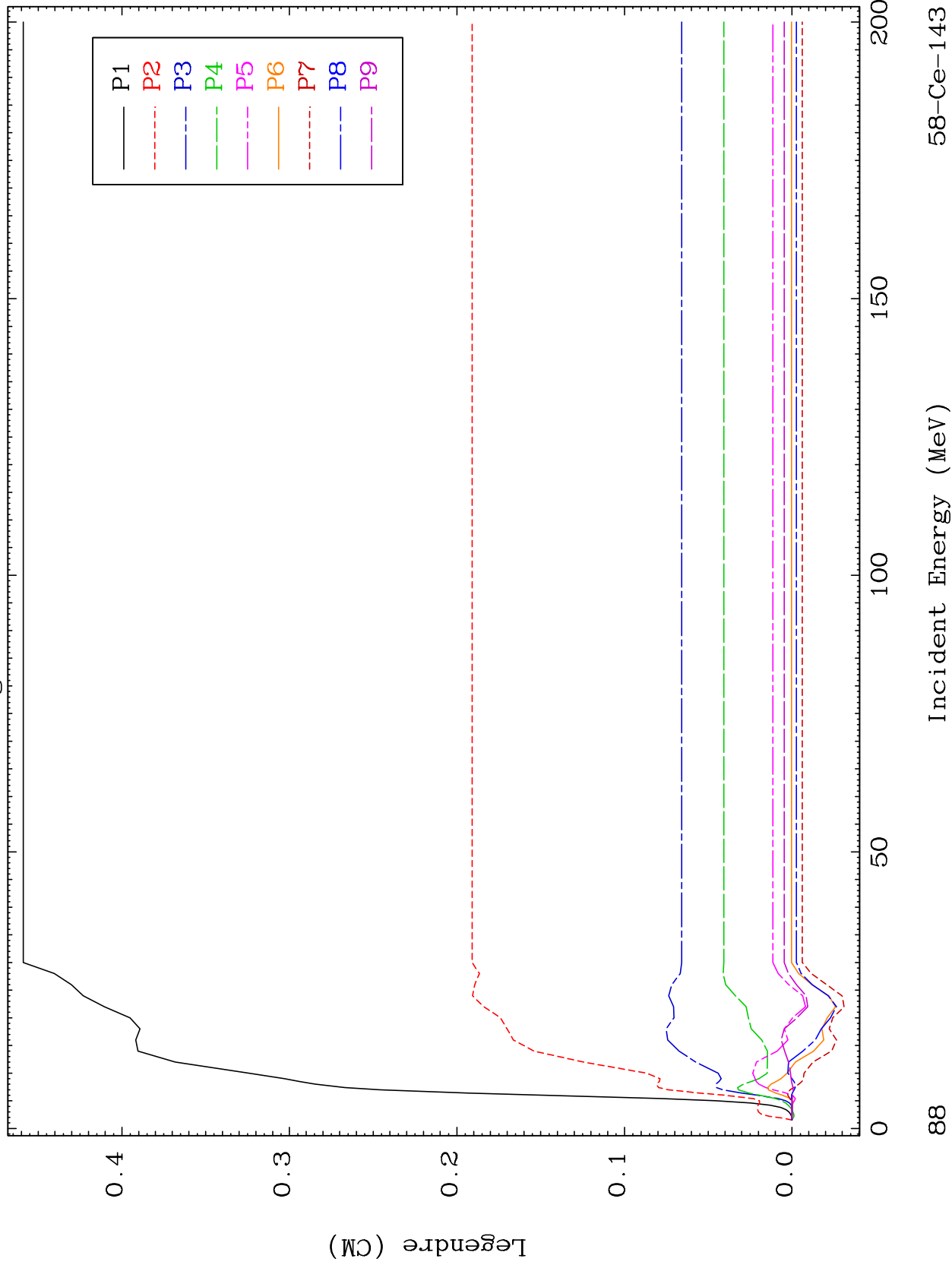




MAT 5846

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

58-Ce-143



58-Ce-143

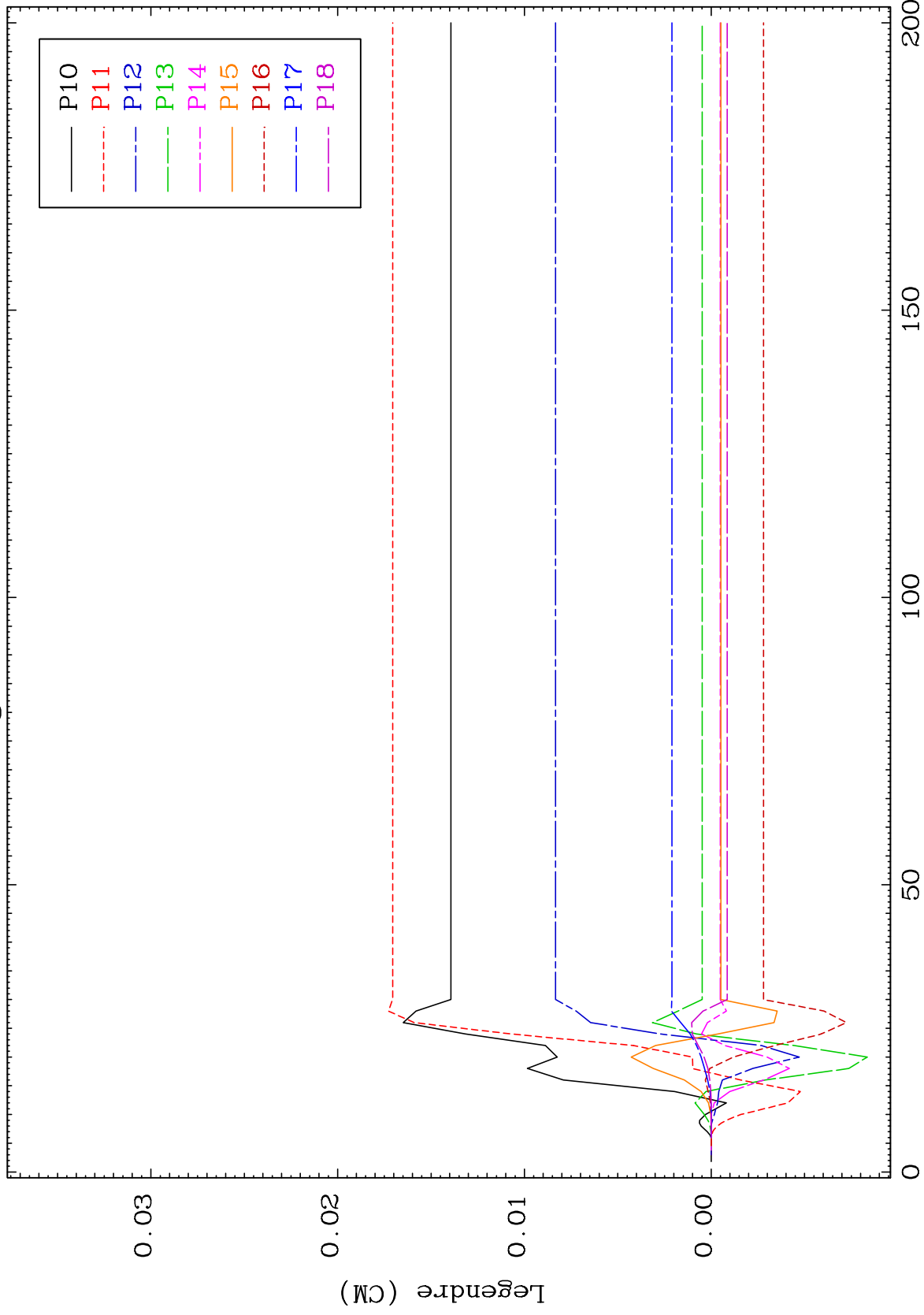
Incident Energy (MeV)

88

MAT 5846

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

58-Ce-143



89

Incident Energy (MeV)

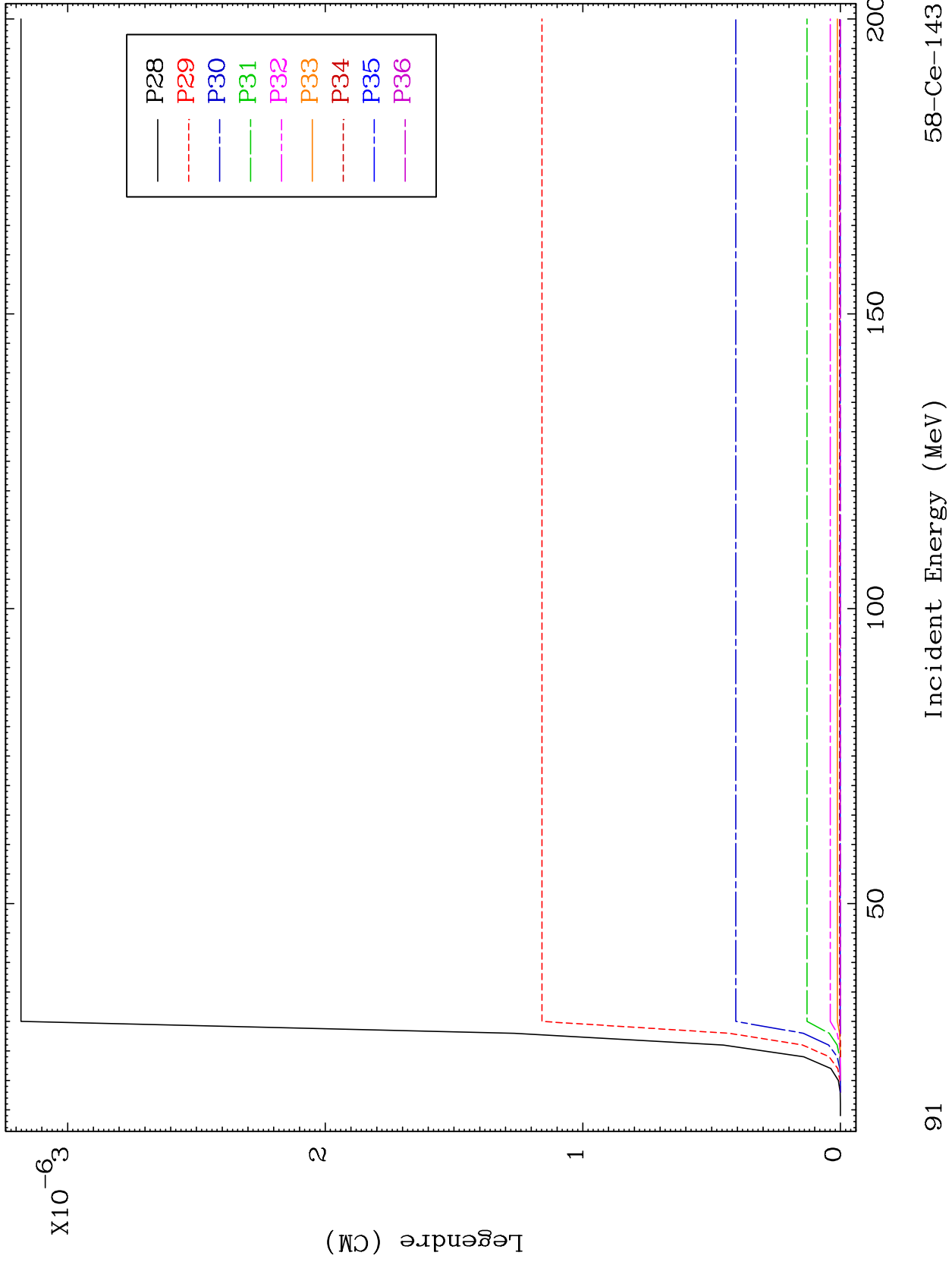
58-Ce-143



MAT 5846

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

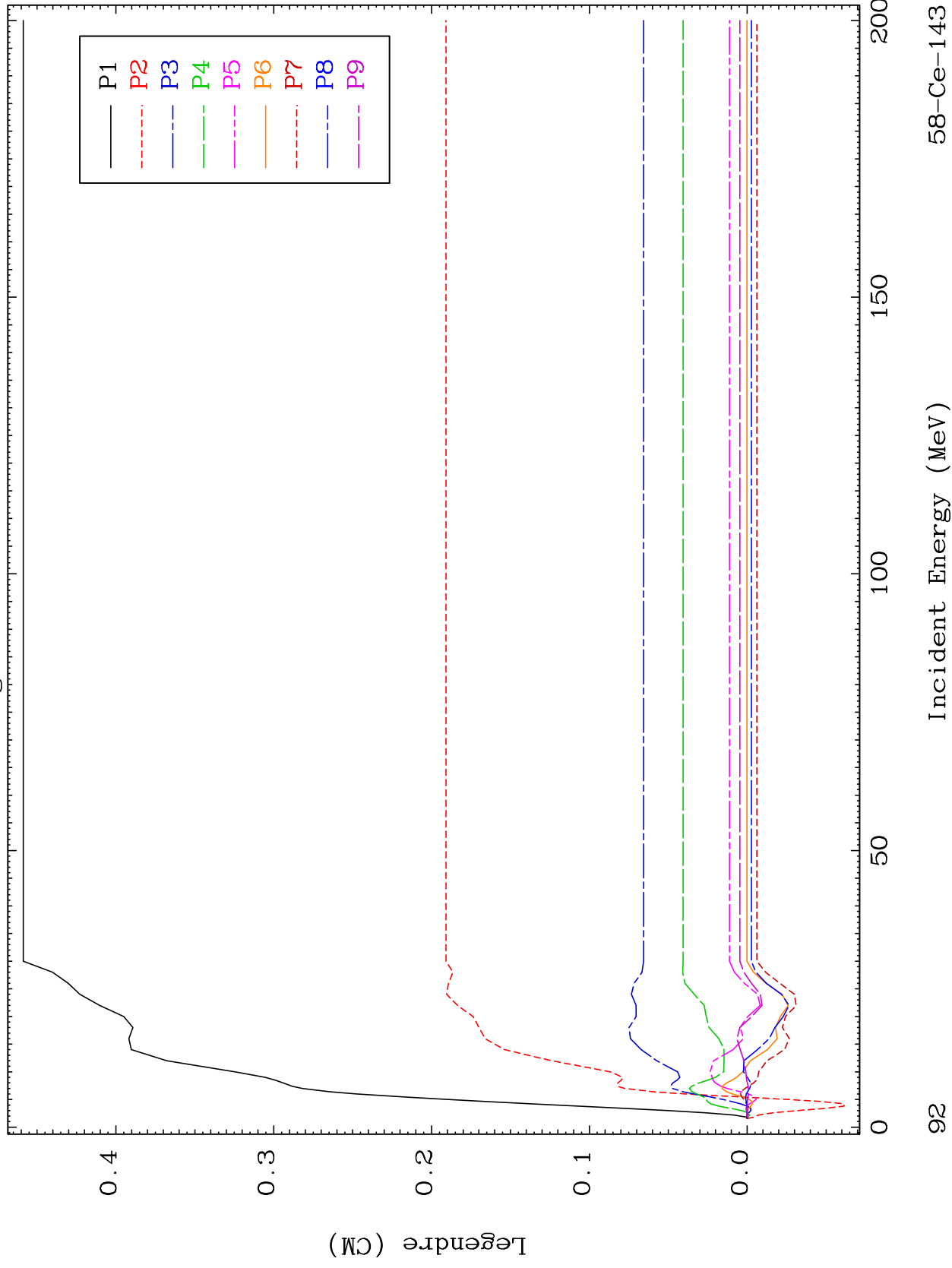
58-Ce-143



MAT 5846

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

58-Ce-143



58-Ce-143

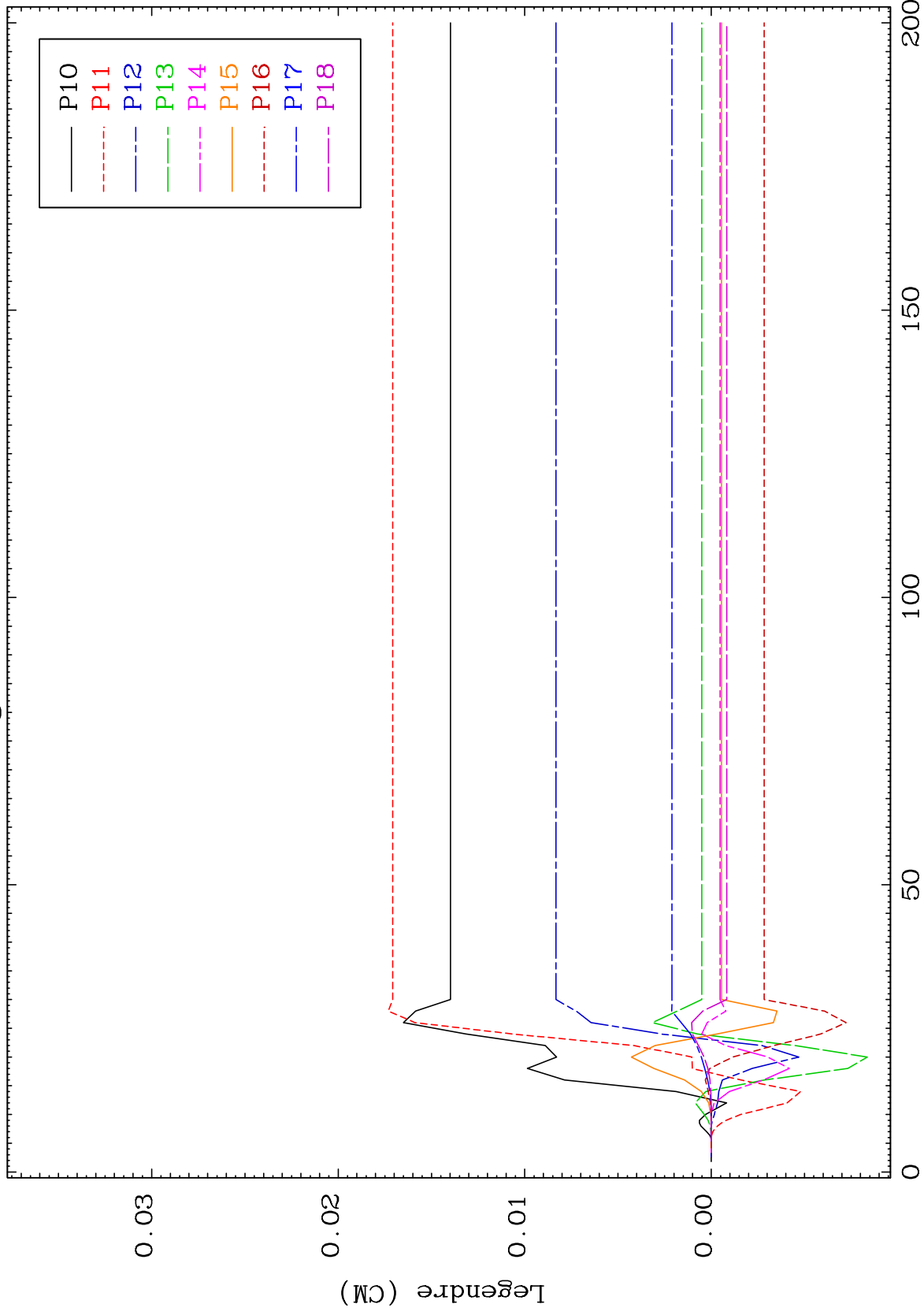
Incident Energy (MeV)

92

MAT 5846

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

58-Ce-143



93

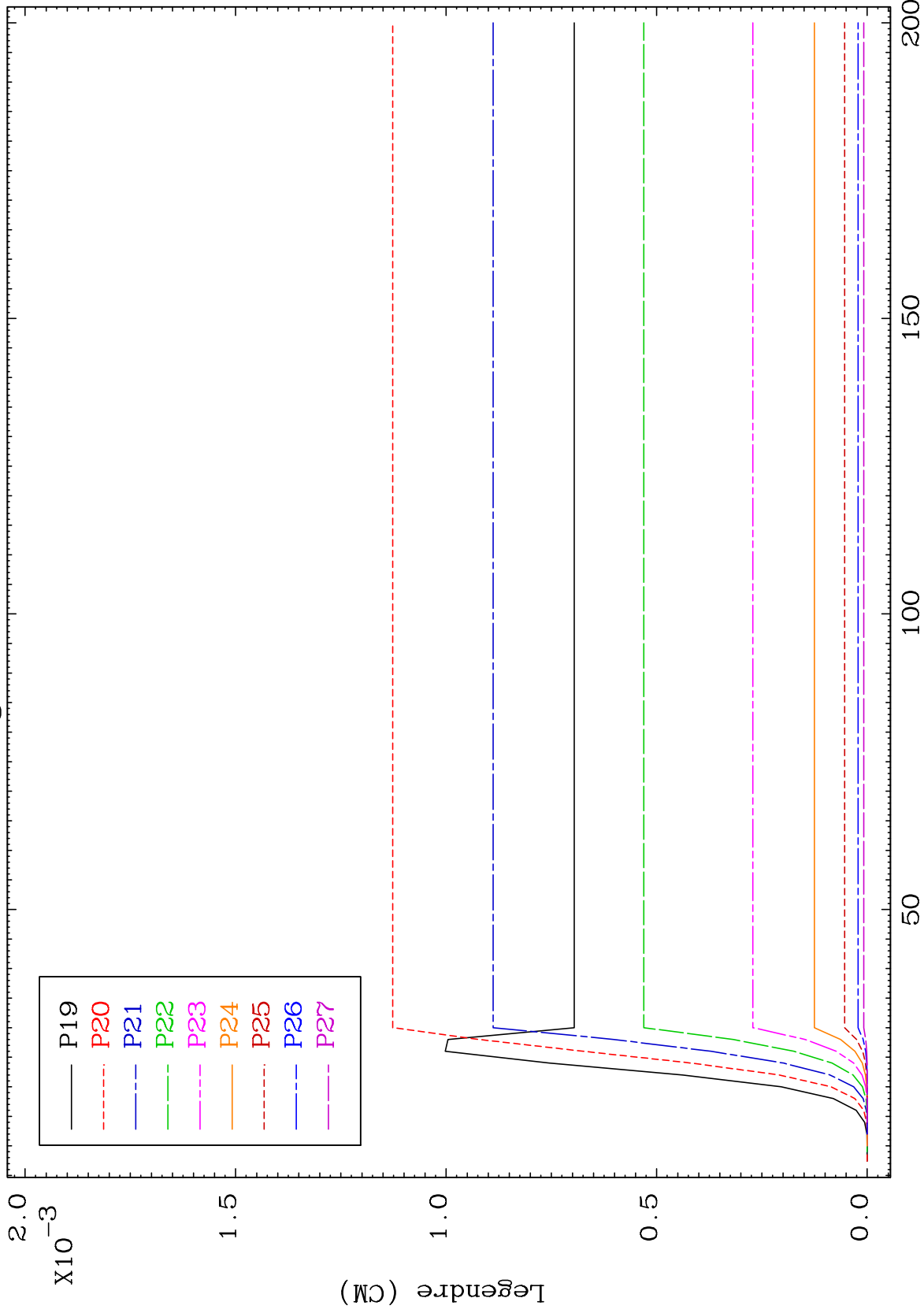
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143



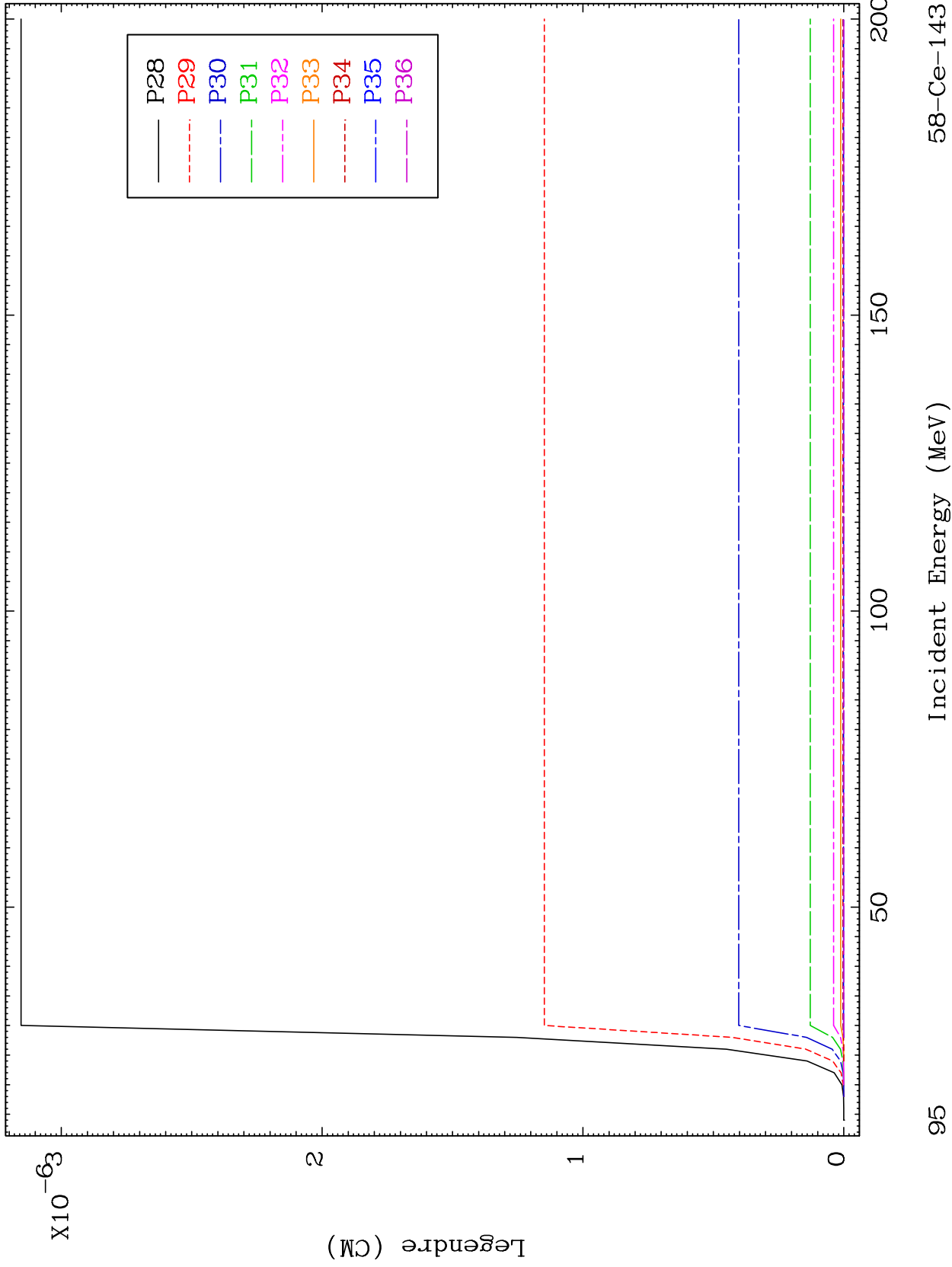
94

58-Ce-143

MAT 5846

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

58-Ce-143

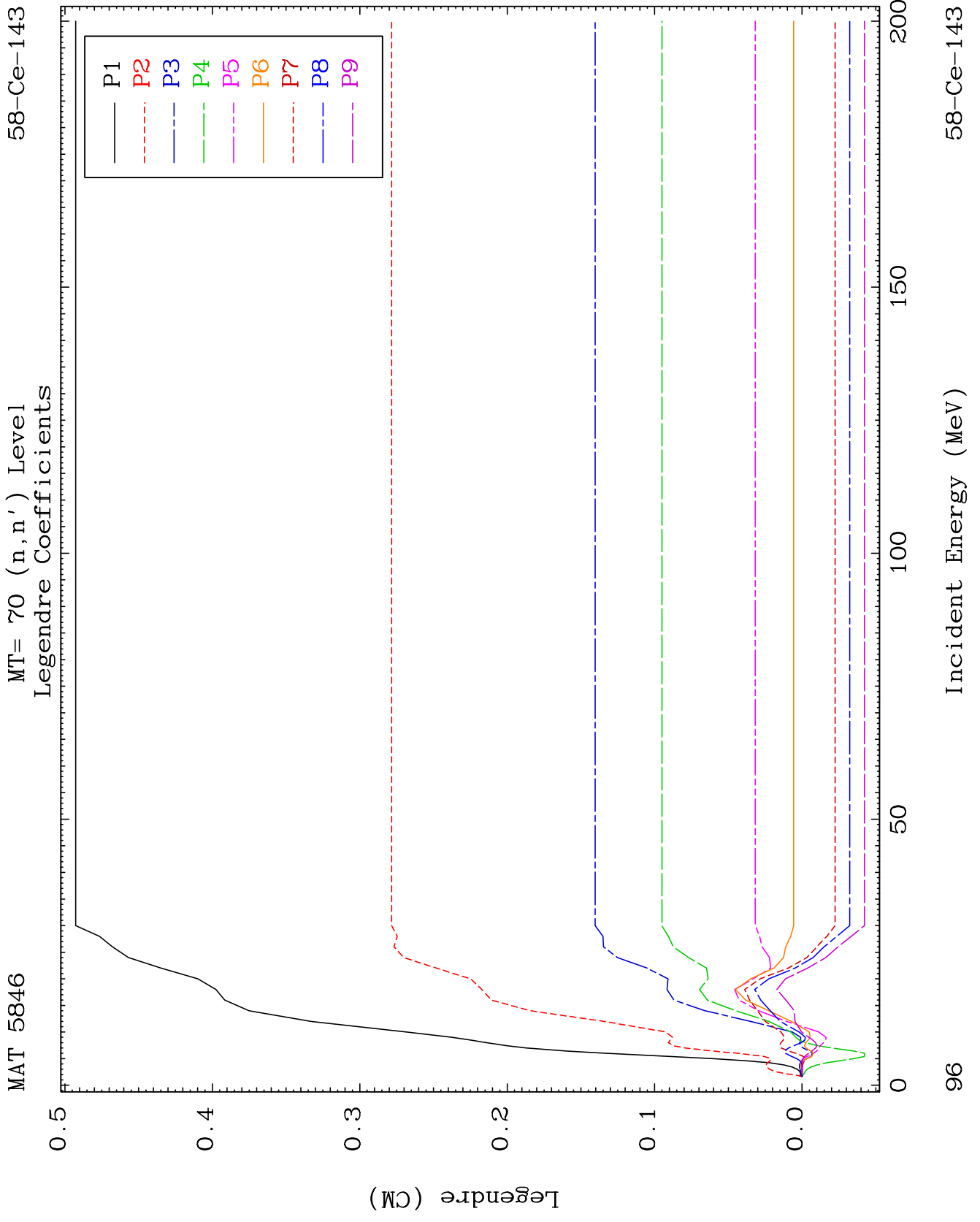


58-Ce-143

Incident Energy (MeV)

95

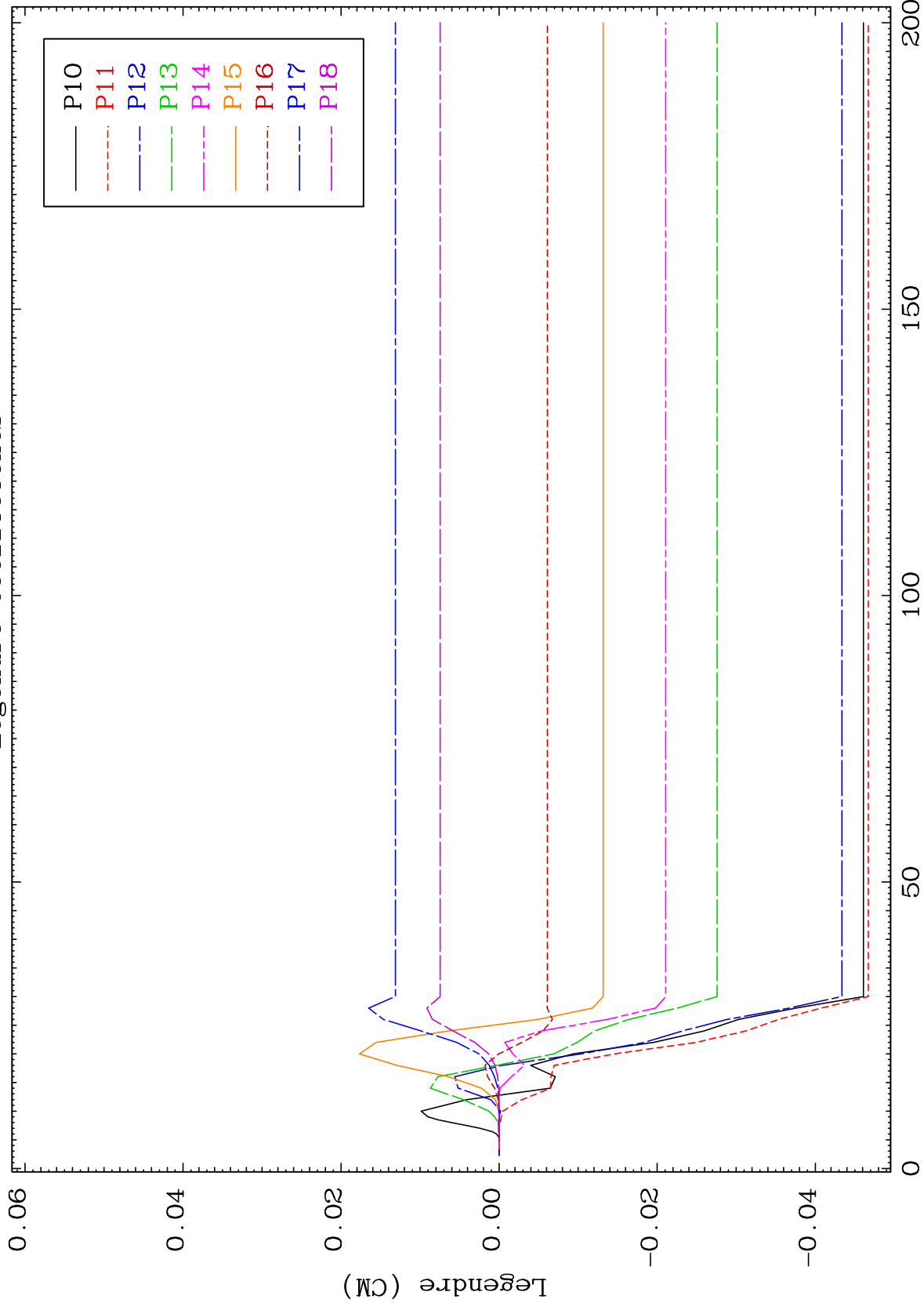




MAT 5846

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

58-Ce-143



97

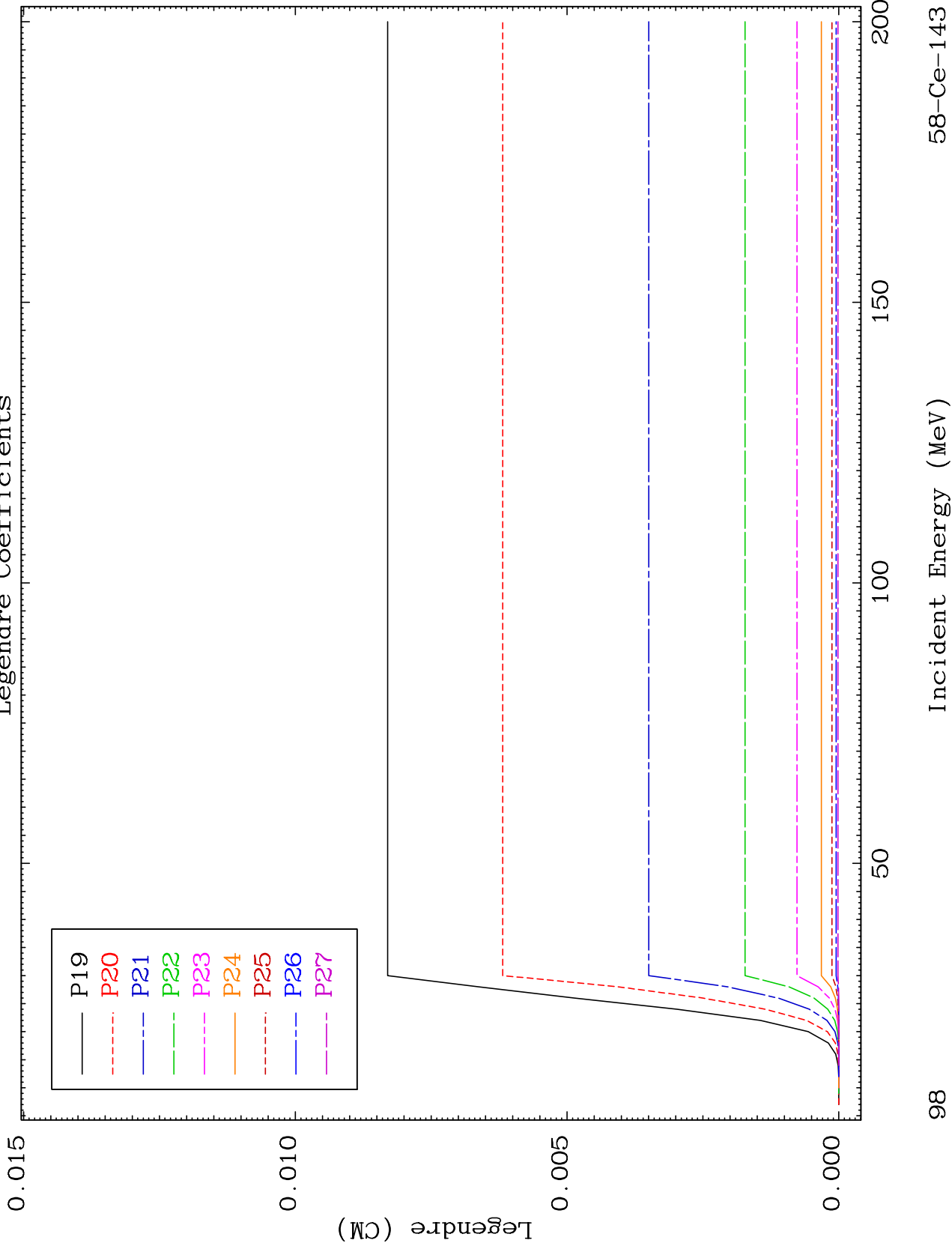
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143



98

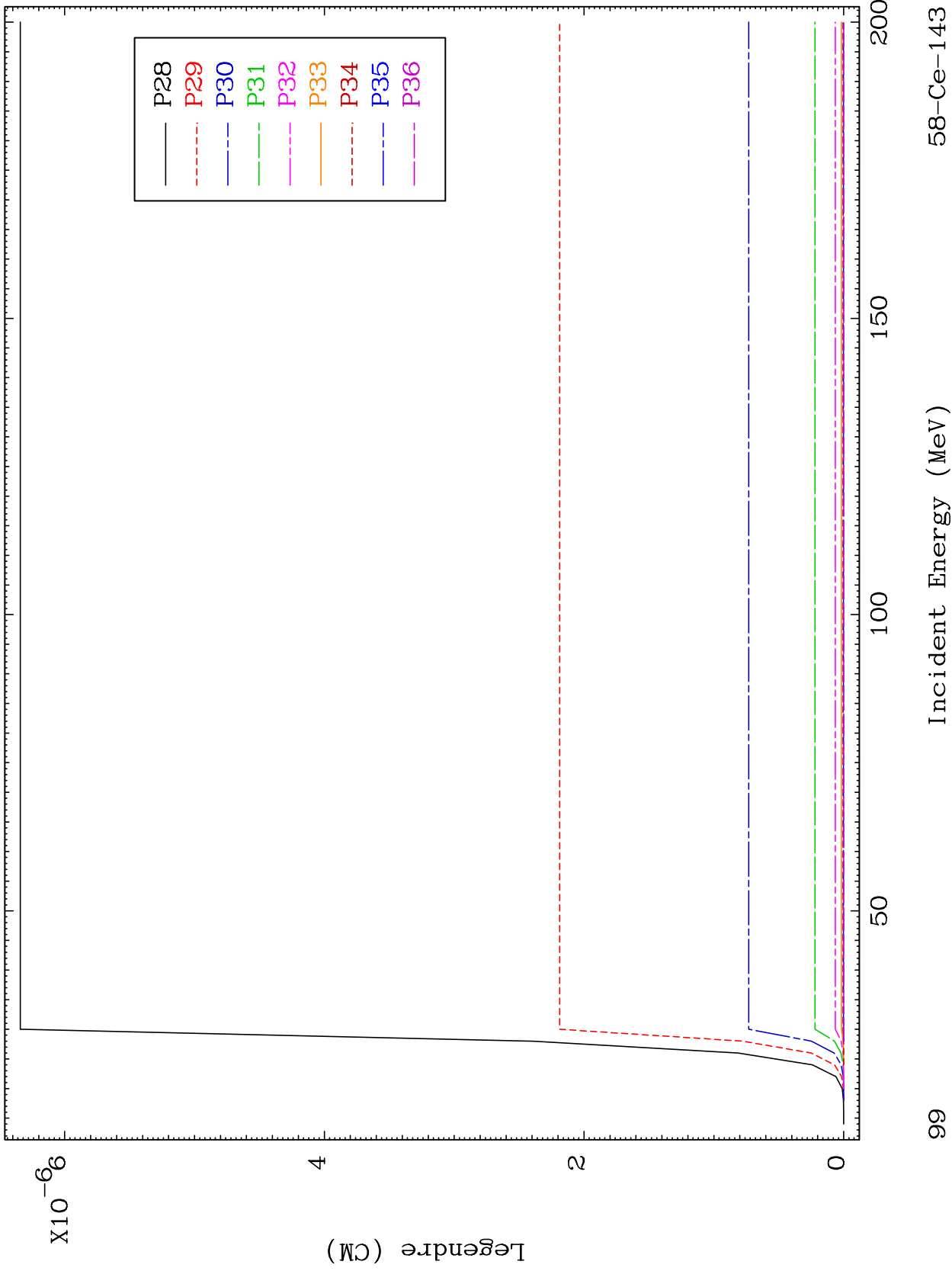
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

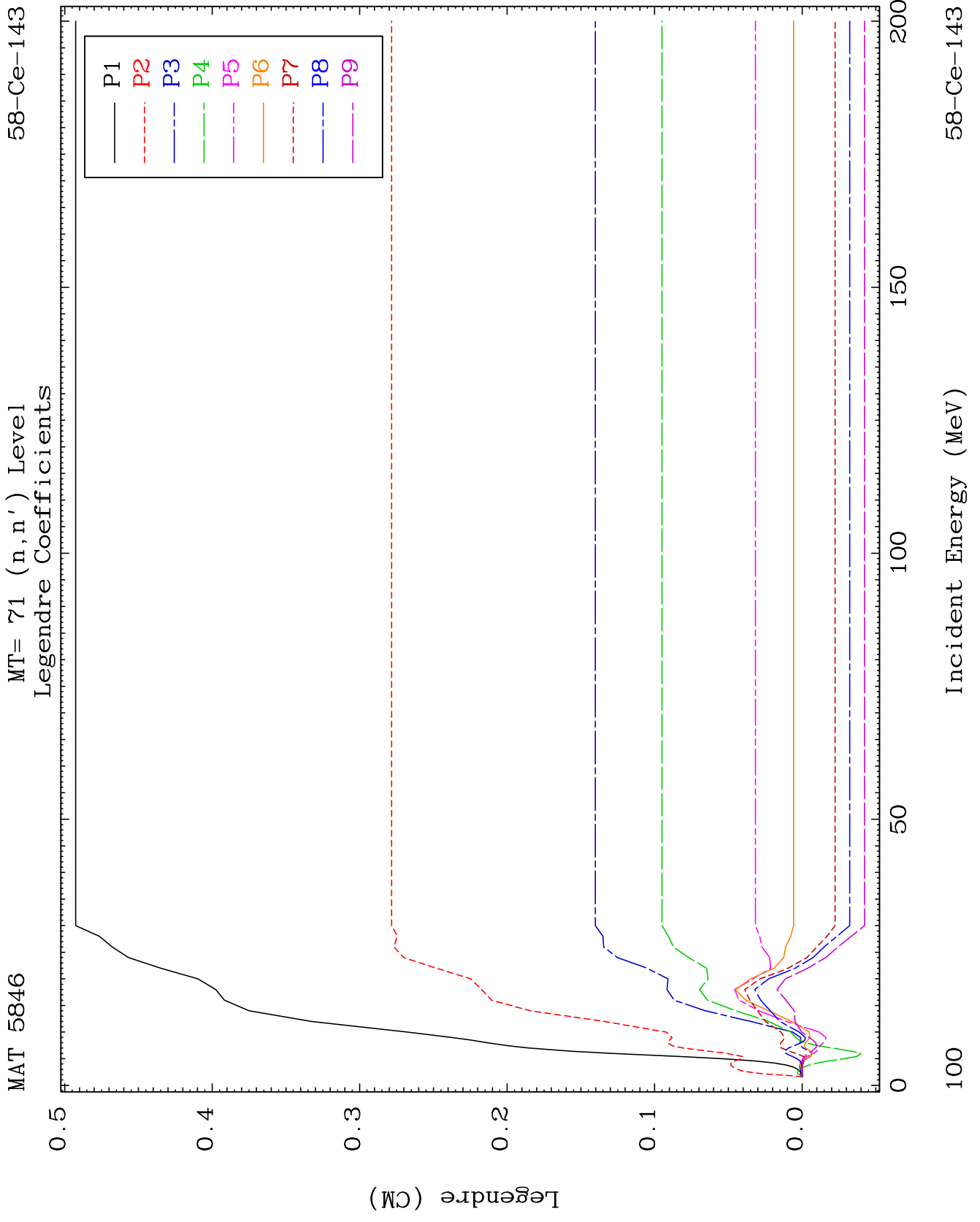
58-Ce-143



99

Incident Energy (MeV)

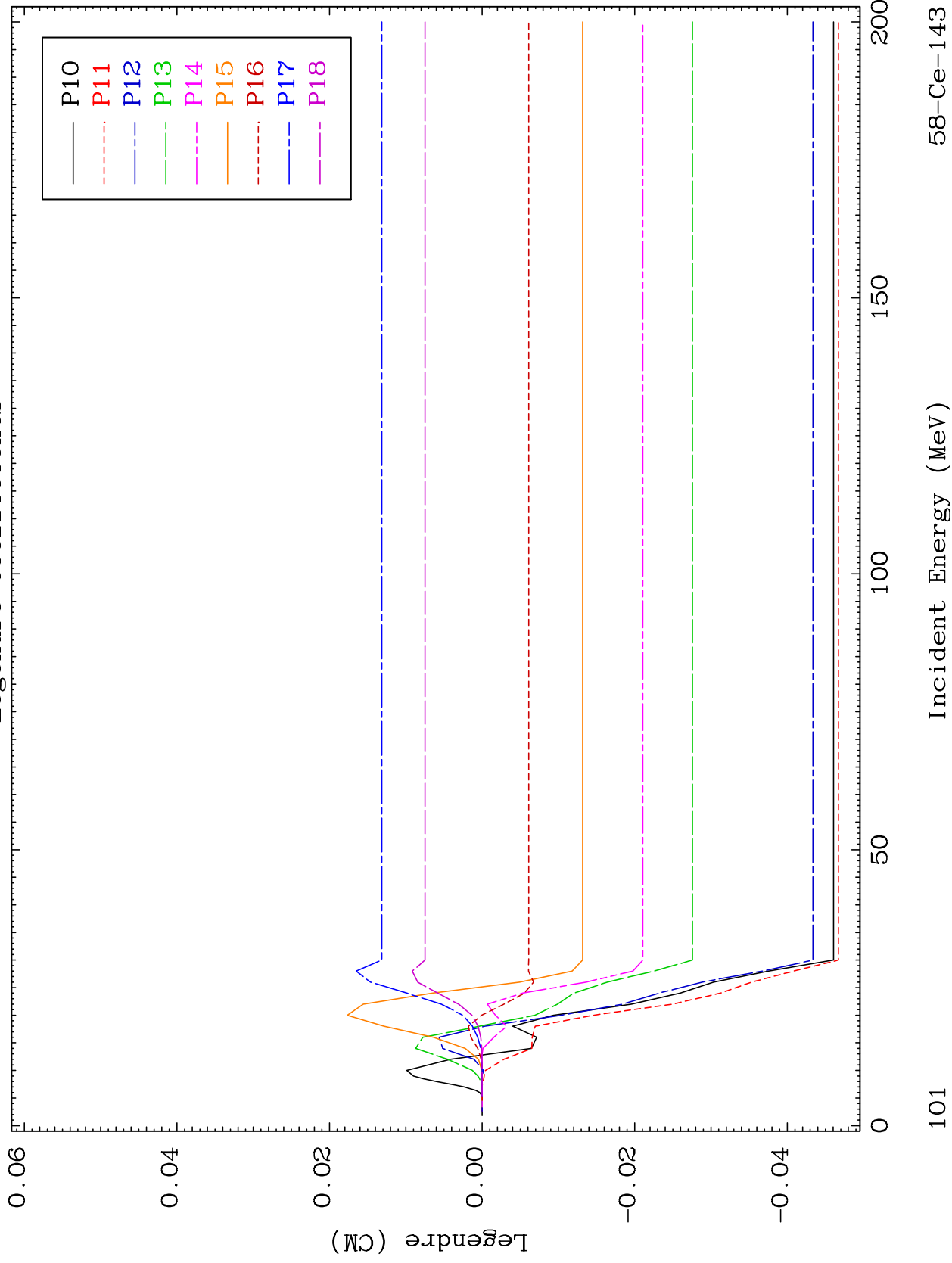
58-Ce-143



MAT 5846

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

58-Ce-143



58-Ce-143

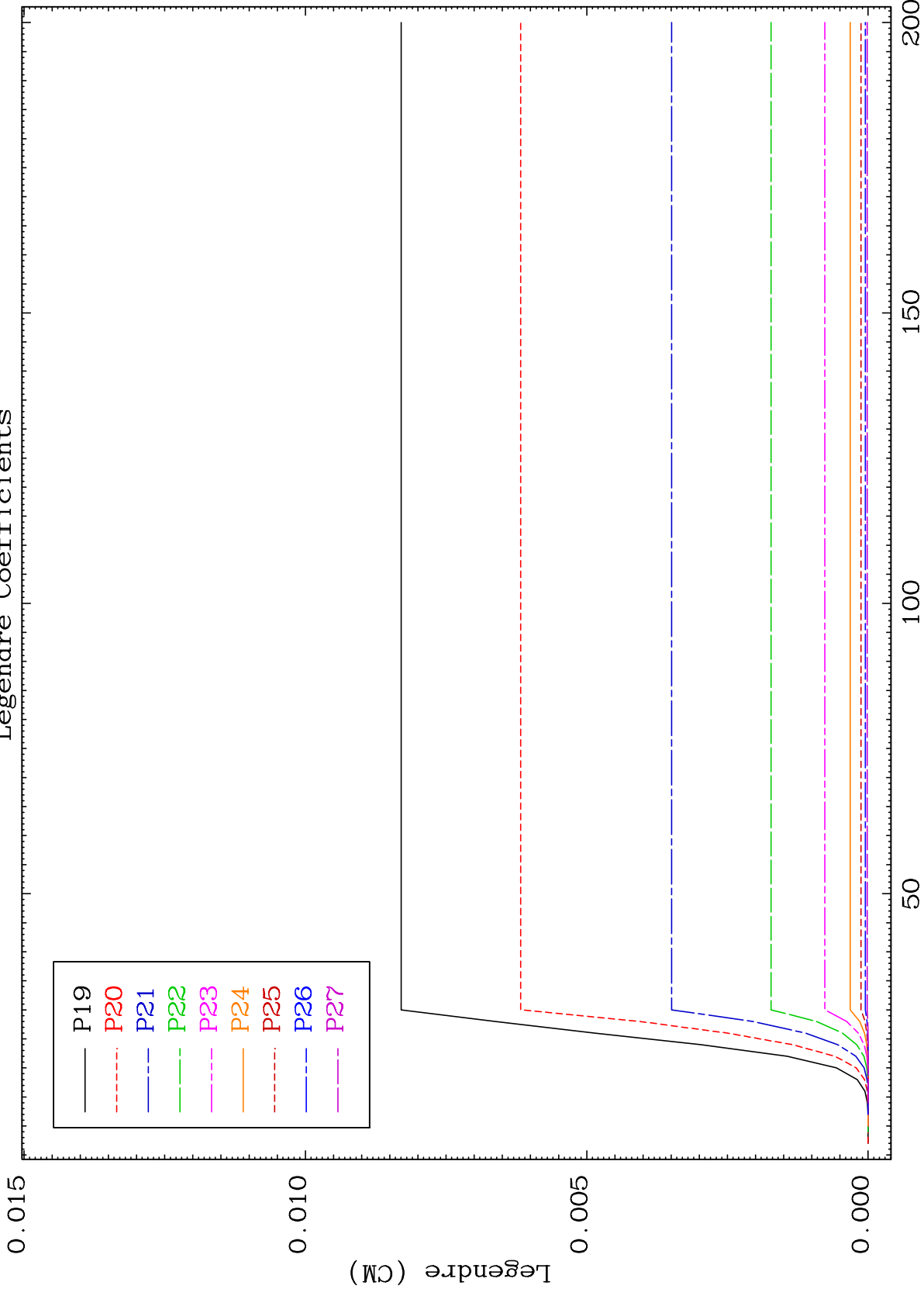
Incident Energy (MeV)

101

MAT 5846

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

58-Ce-143



102

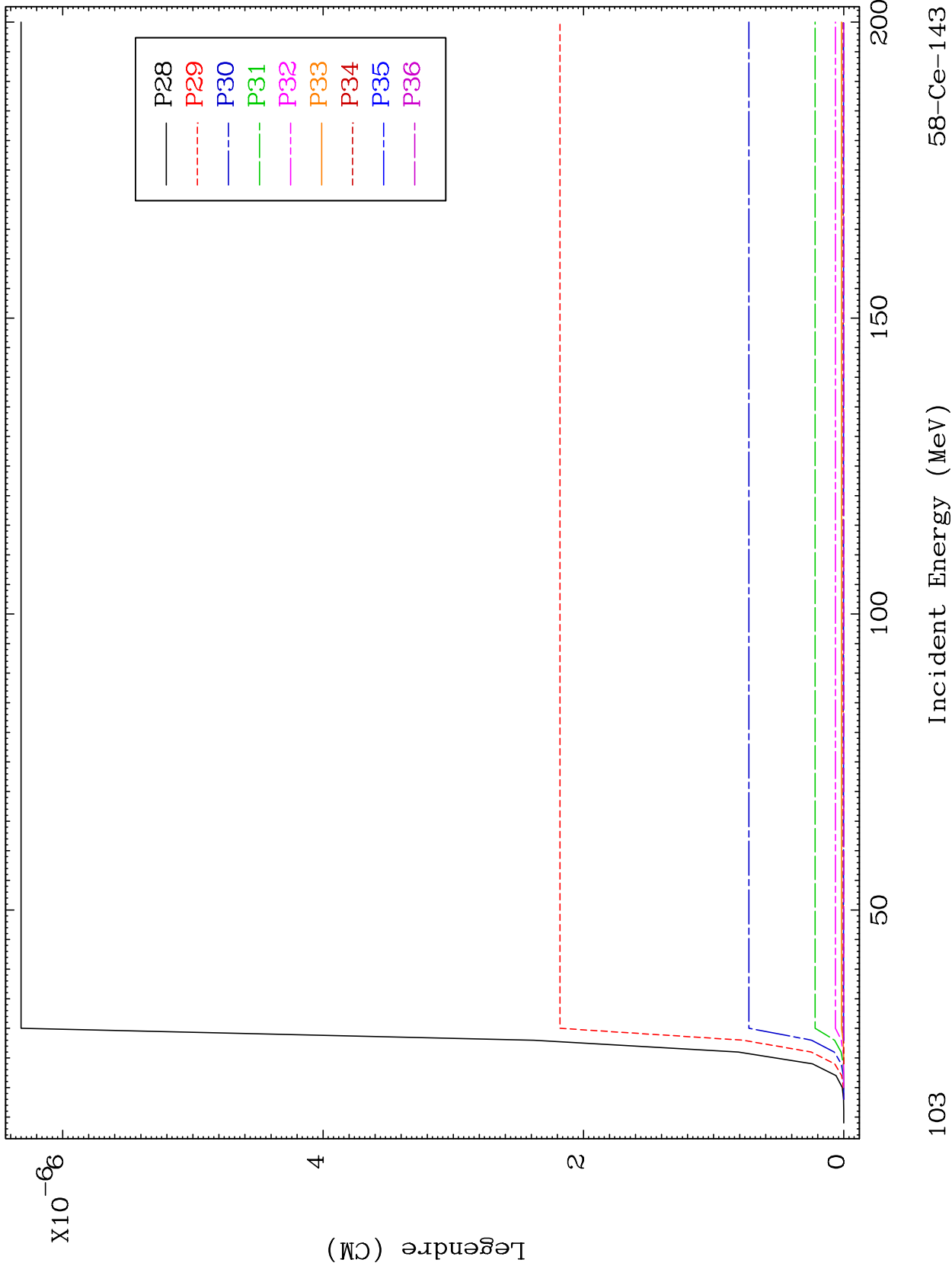
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143

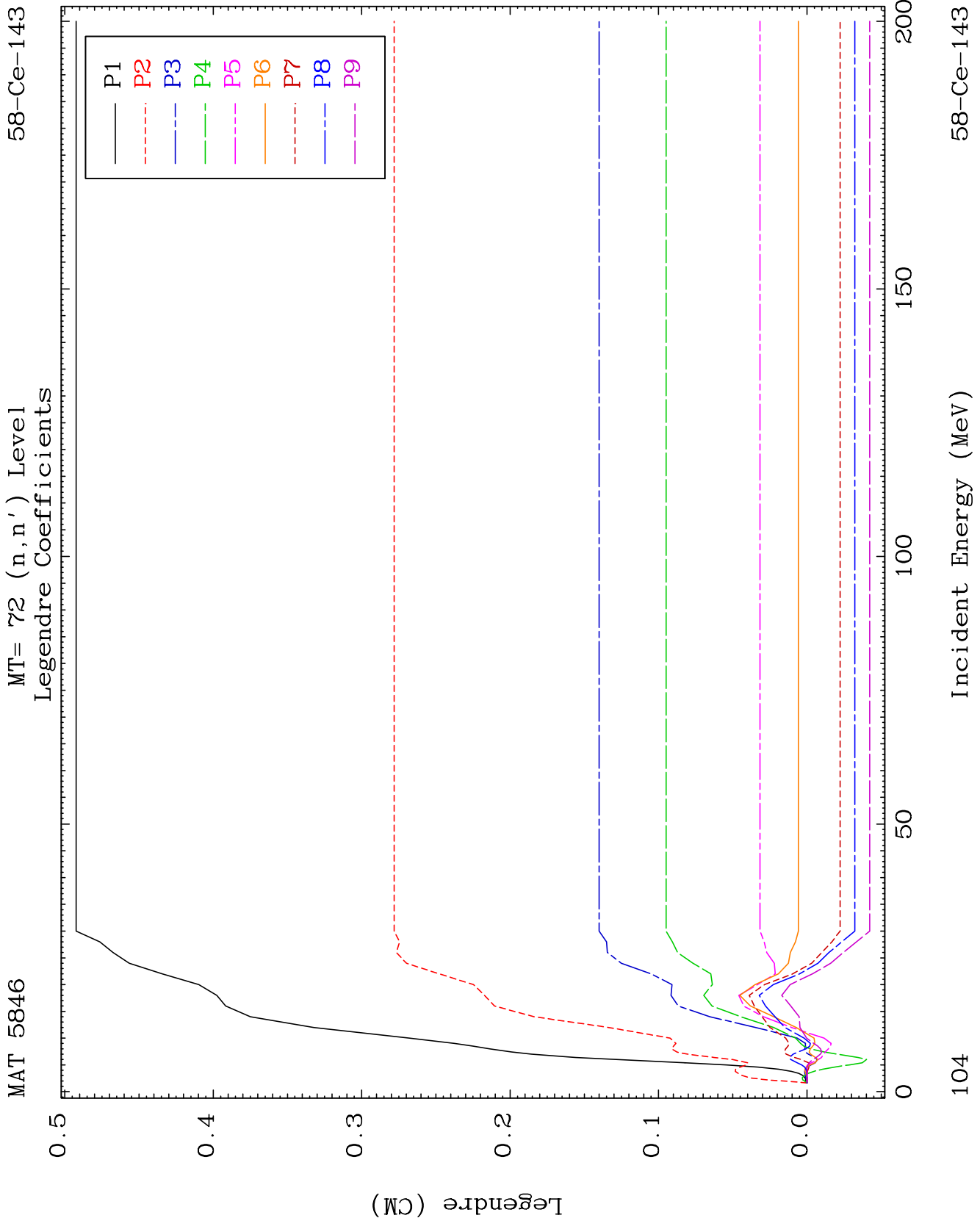


103

Incident Energy (MeV)

58-Ce-143

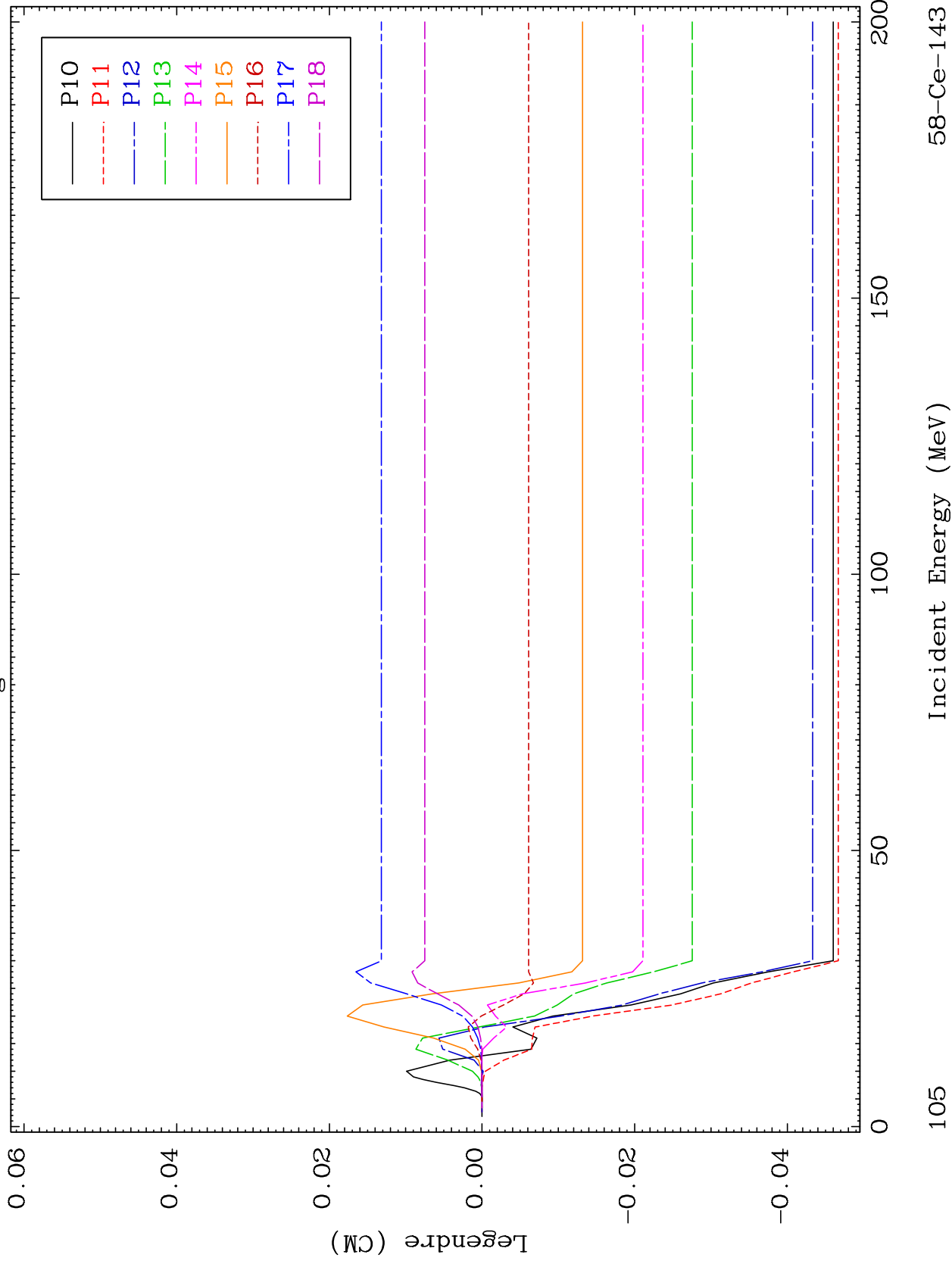




MAT 5846

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

58-Ce-143



58-Ce-143

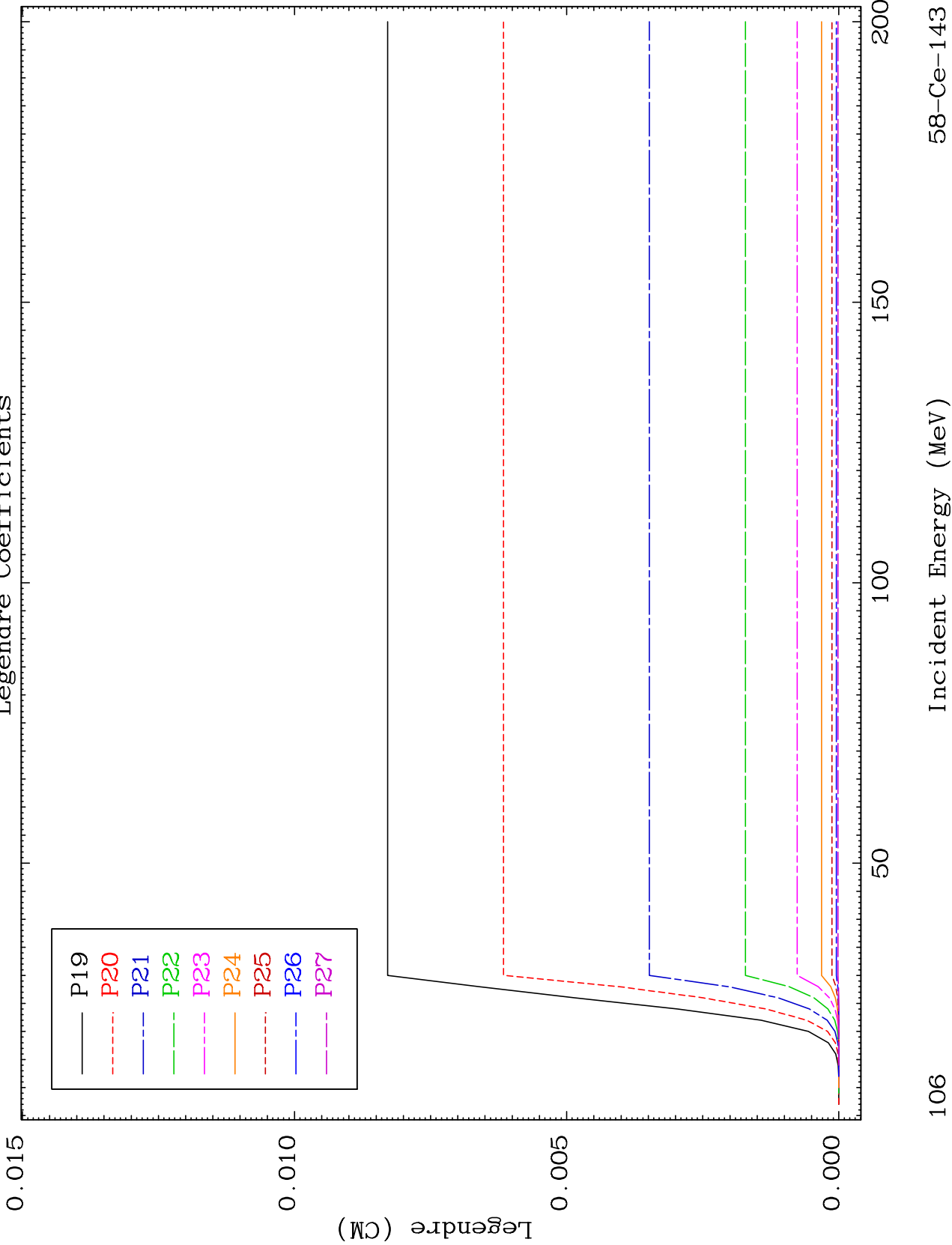
Incident Energy (MeV)

105

MAT 5846

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

58-Ce-143



106

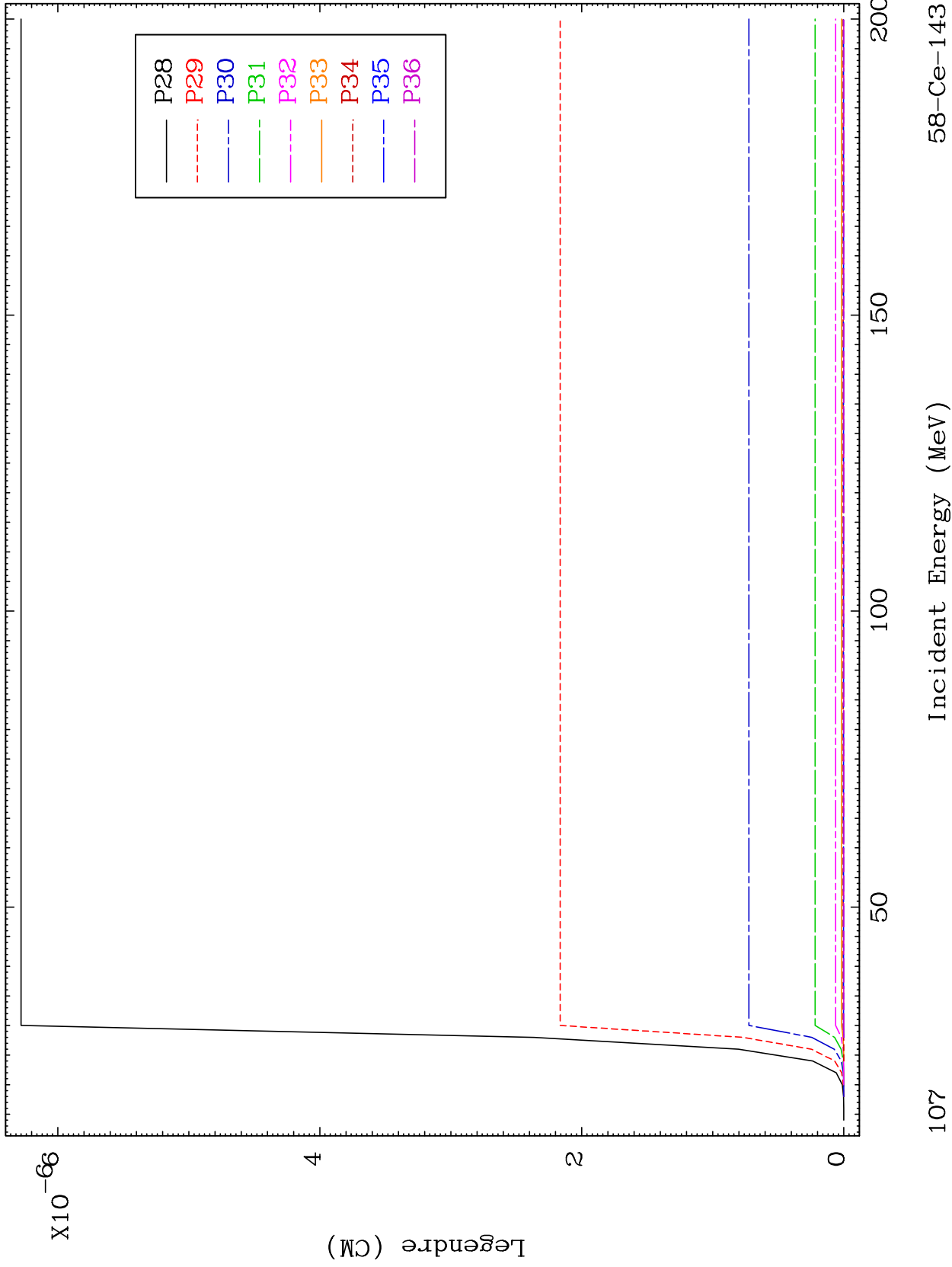
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

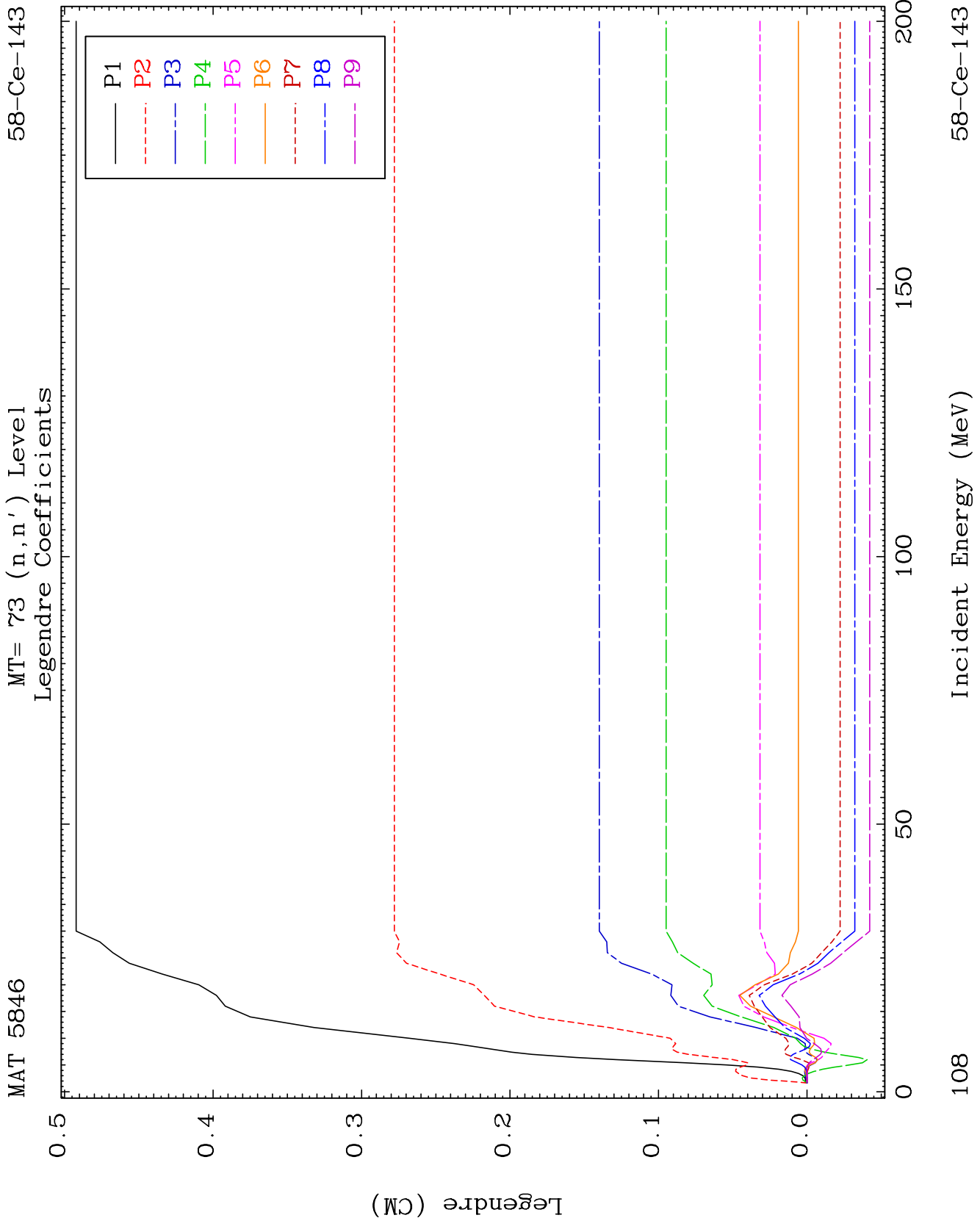
58-Ce-143



107

Incident Energy (MeV)

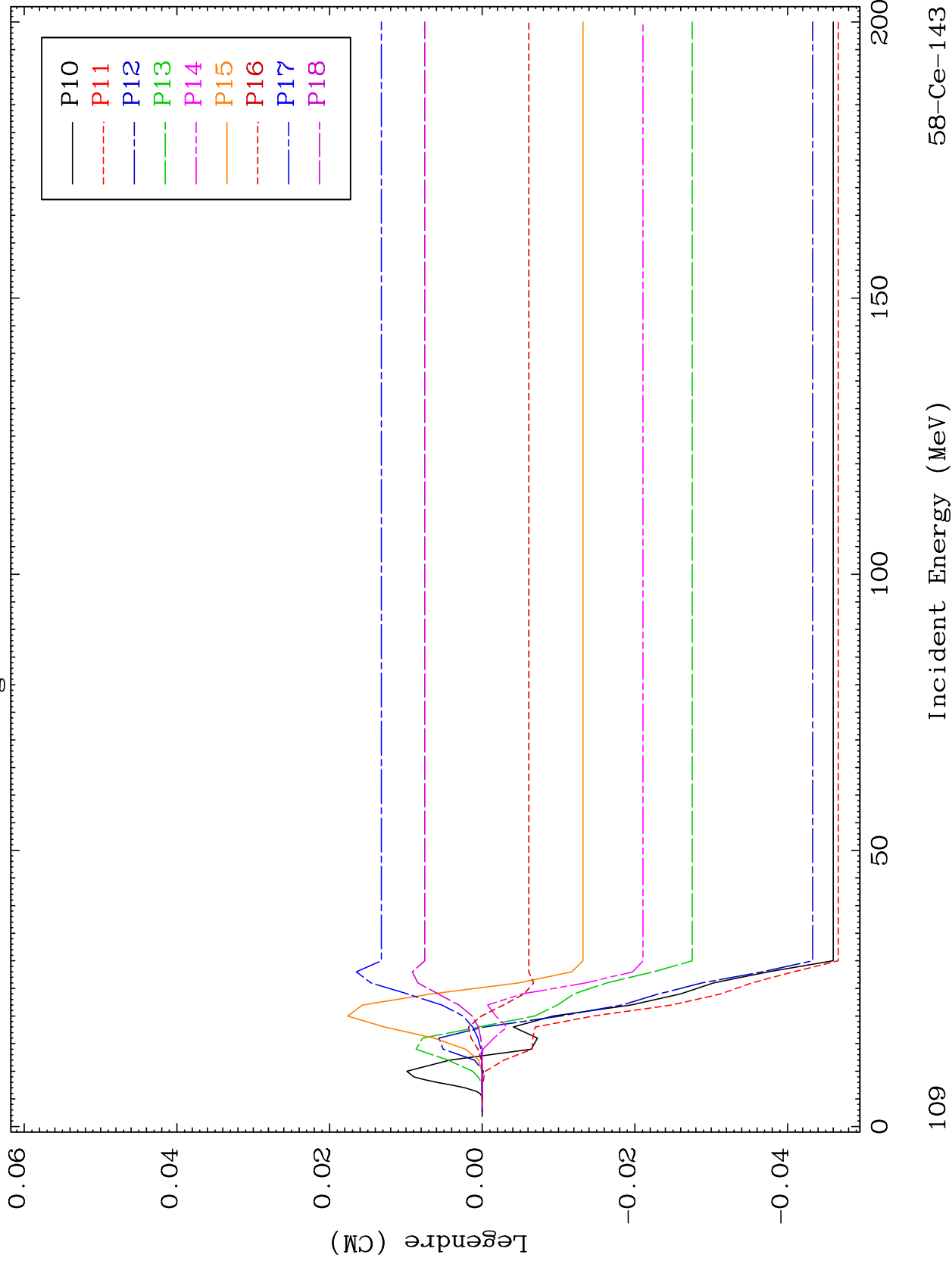
58-Ce-143



MAT 5846

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

58-Ce-143



58-Ce-143

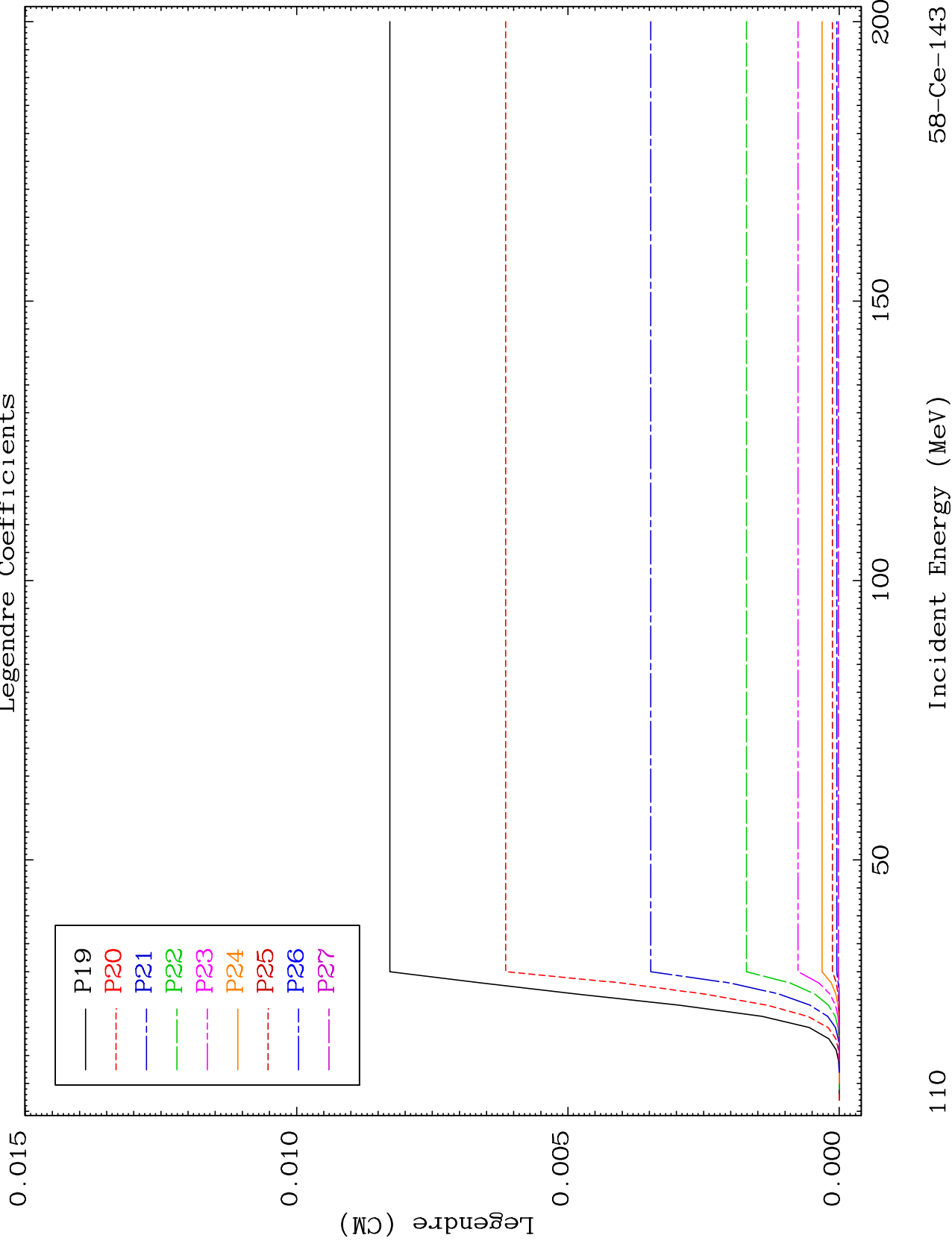
Incident Energy (MeV)

109

MAT 5846

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

58-Ce-143



58-Ce-143

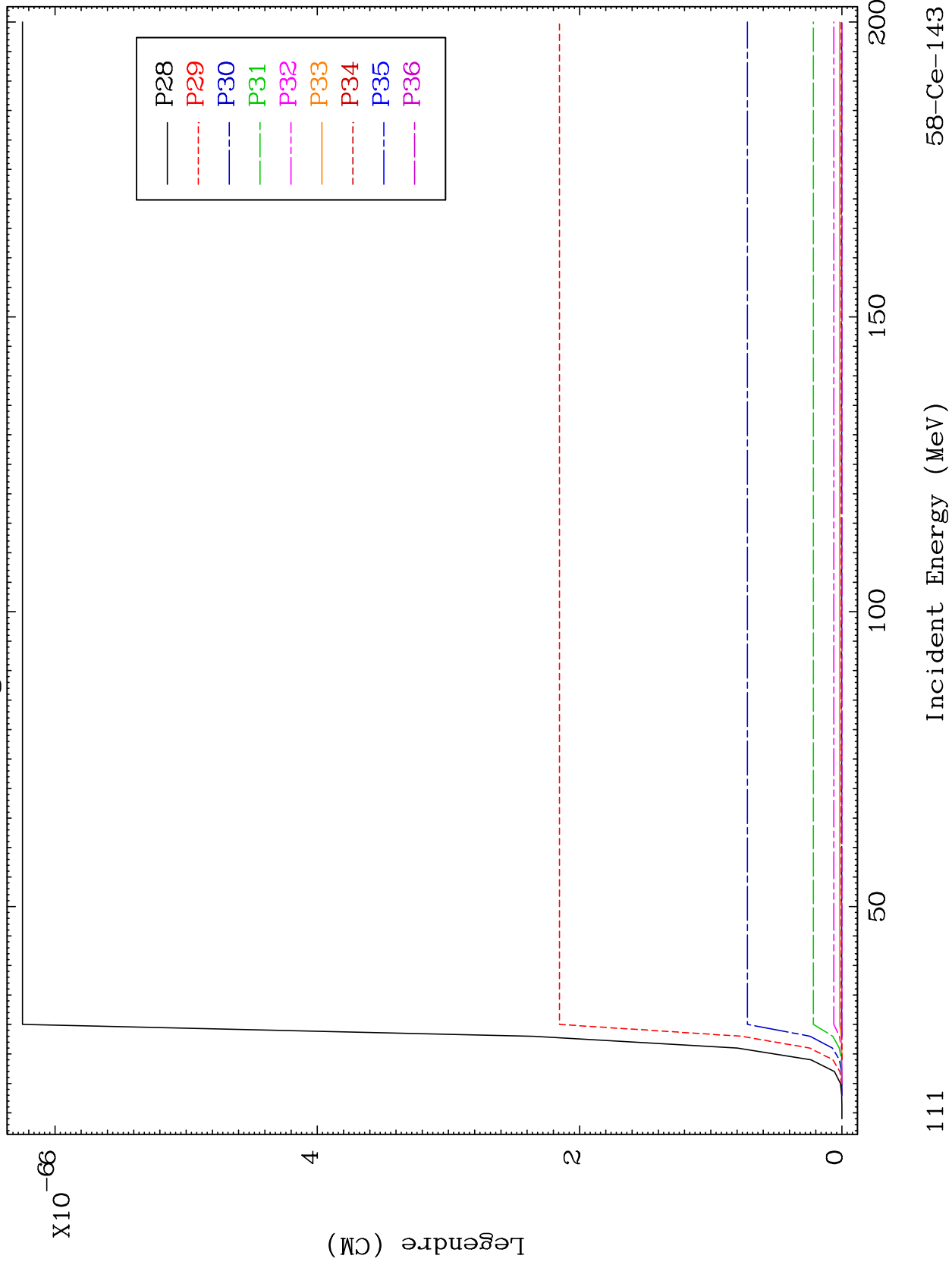
Incident Energy (MeV)

110

MAT 5846

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

58-Ce-143

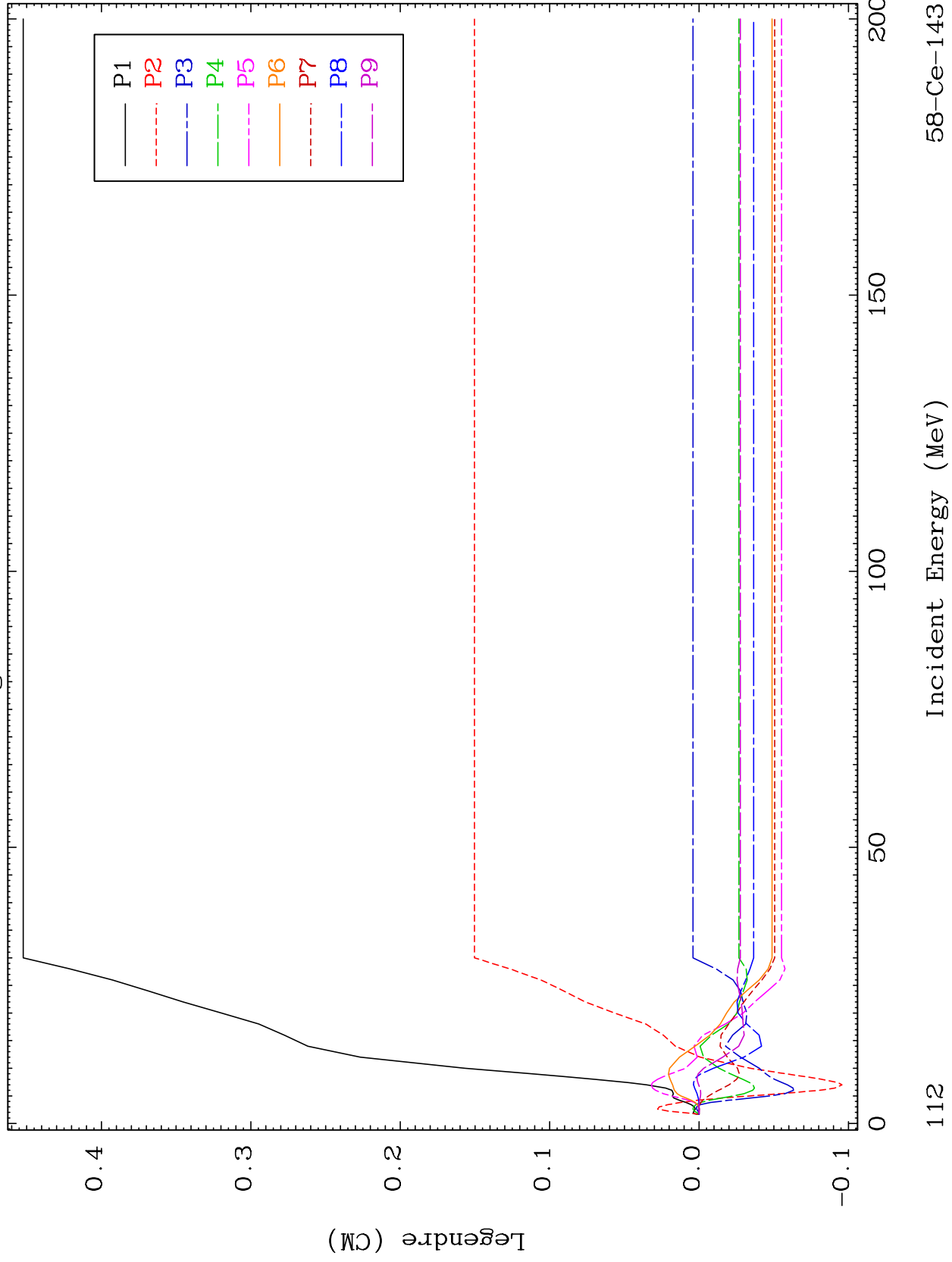




MAT 5846

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

58-Ce-143



58-Ce-143

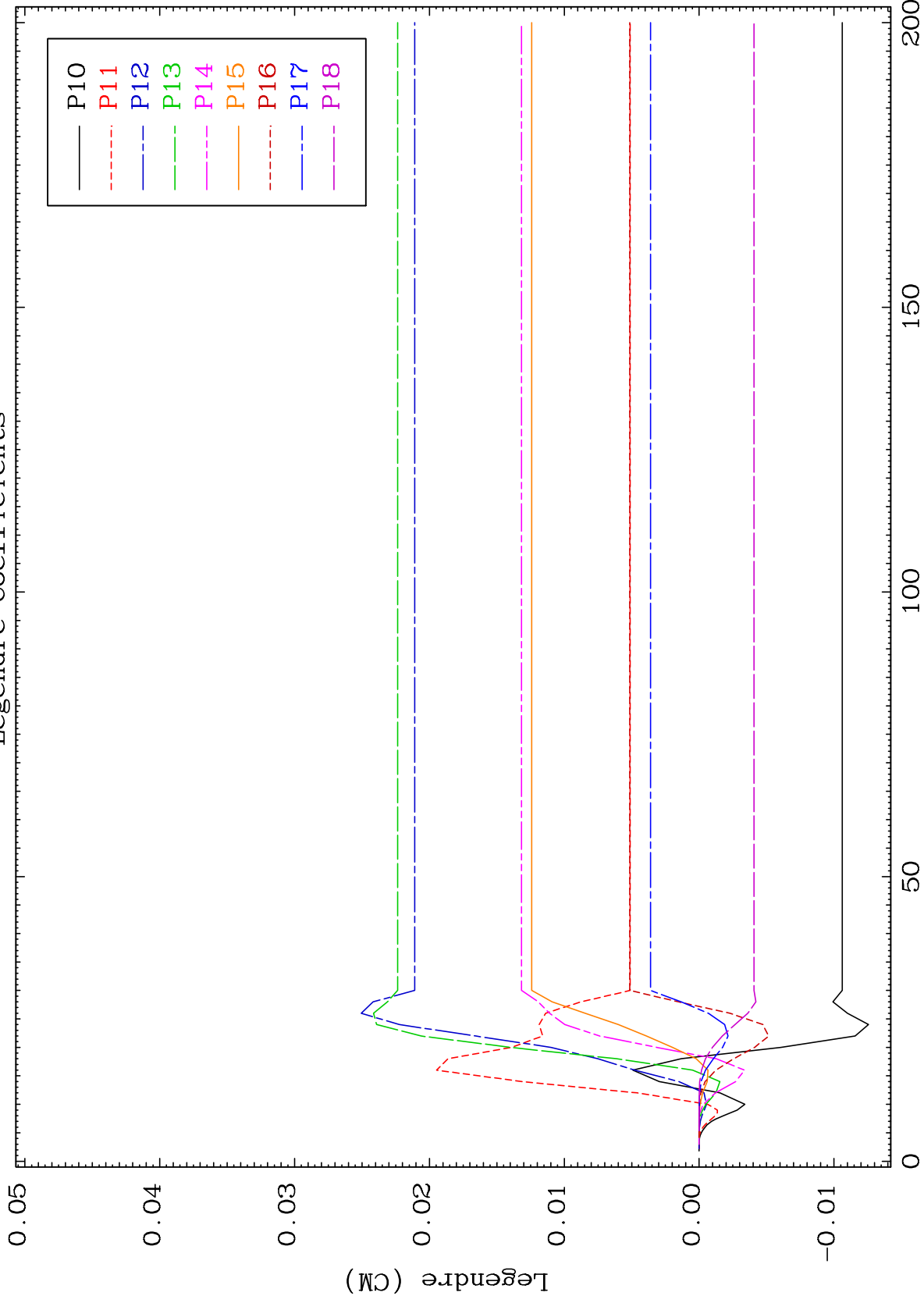
Incident Energy (MeV)

112

MAT 5846

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

58-Ce-143



113

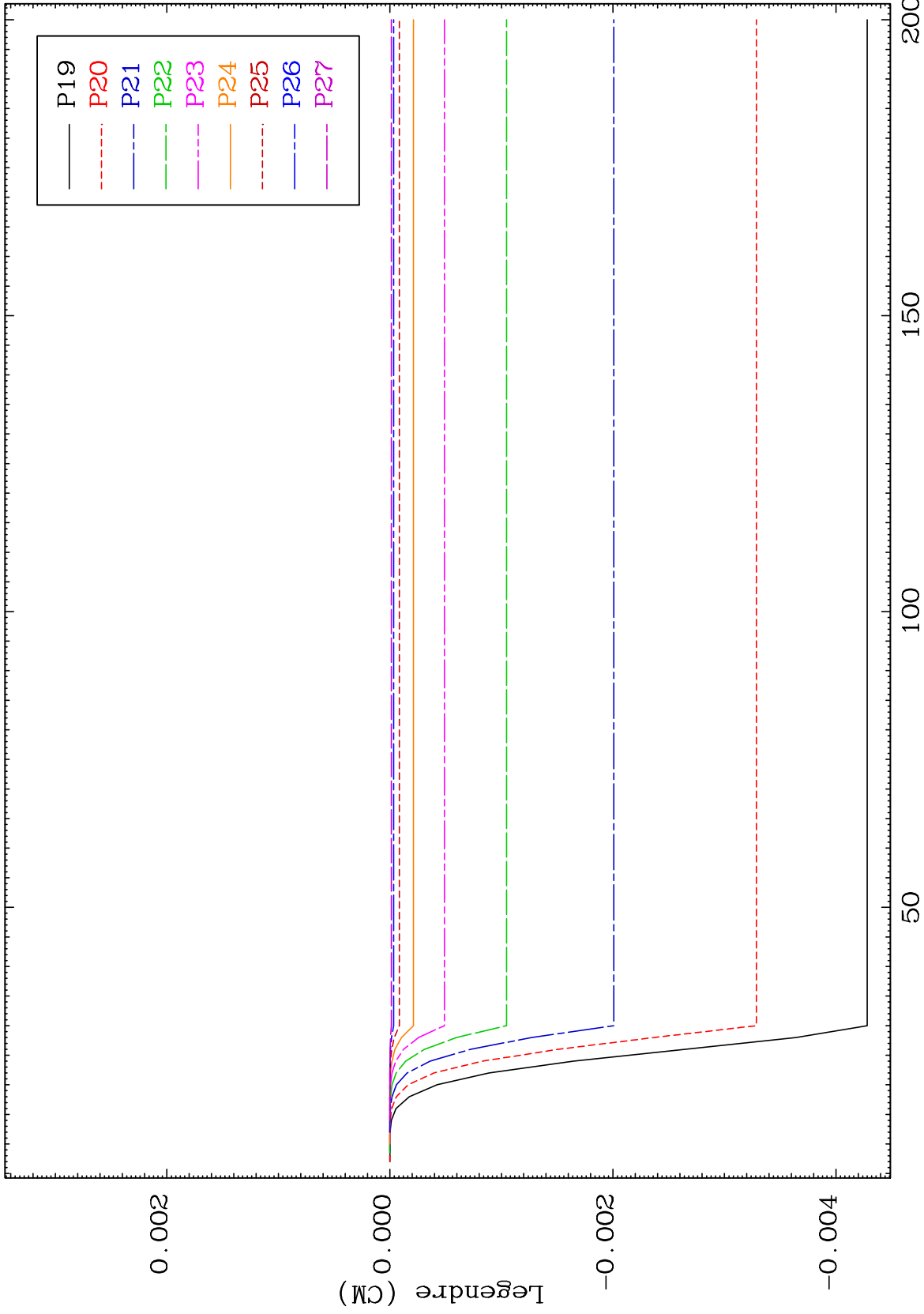
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

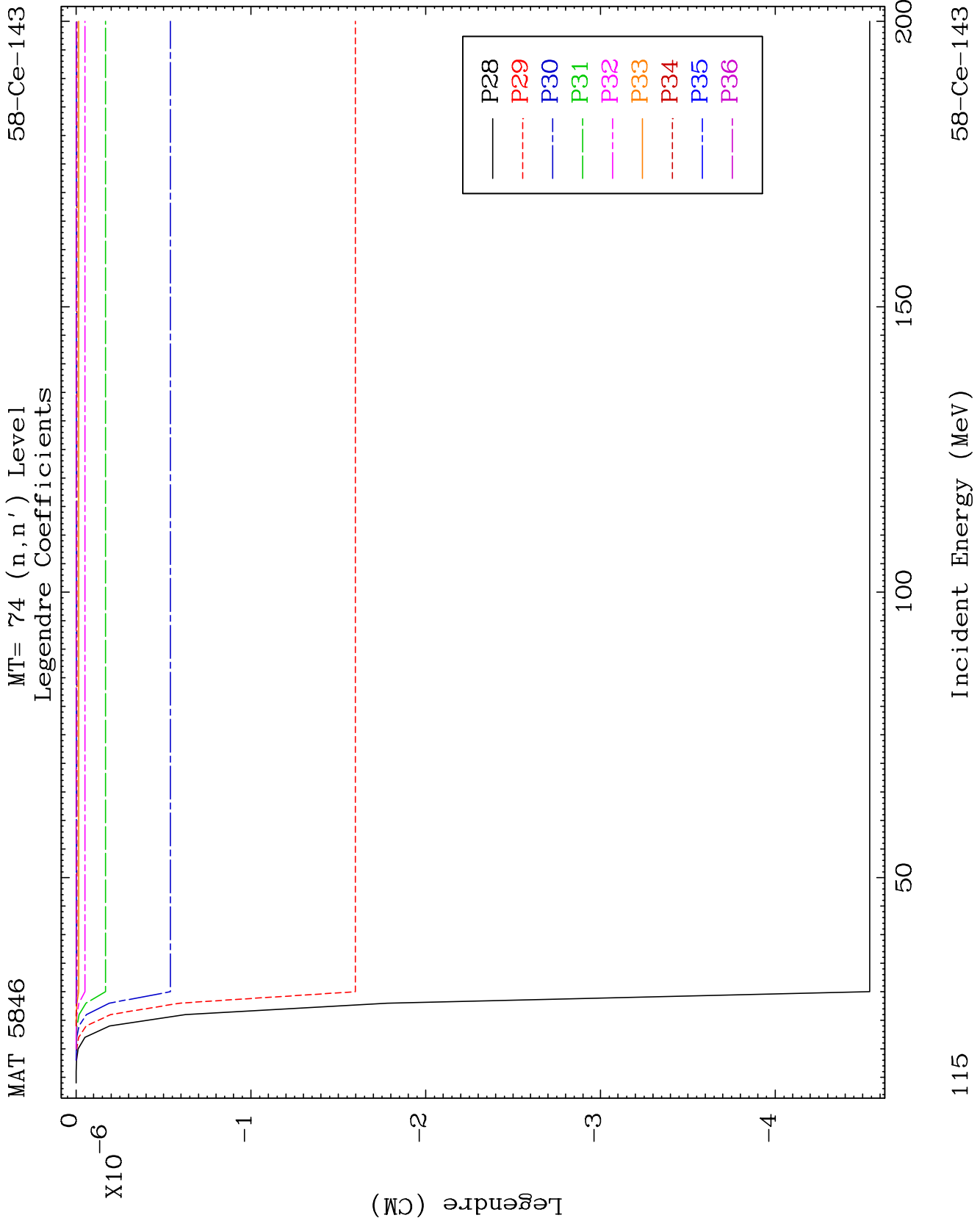
58-Ce-143



114

Incident Energy (MeV)

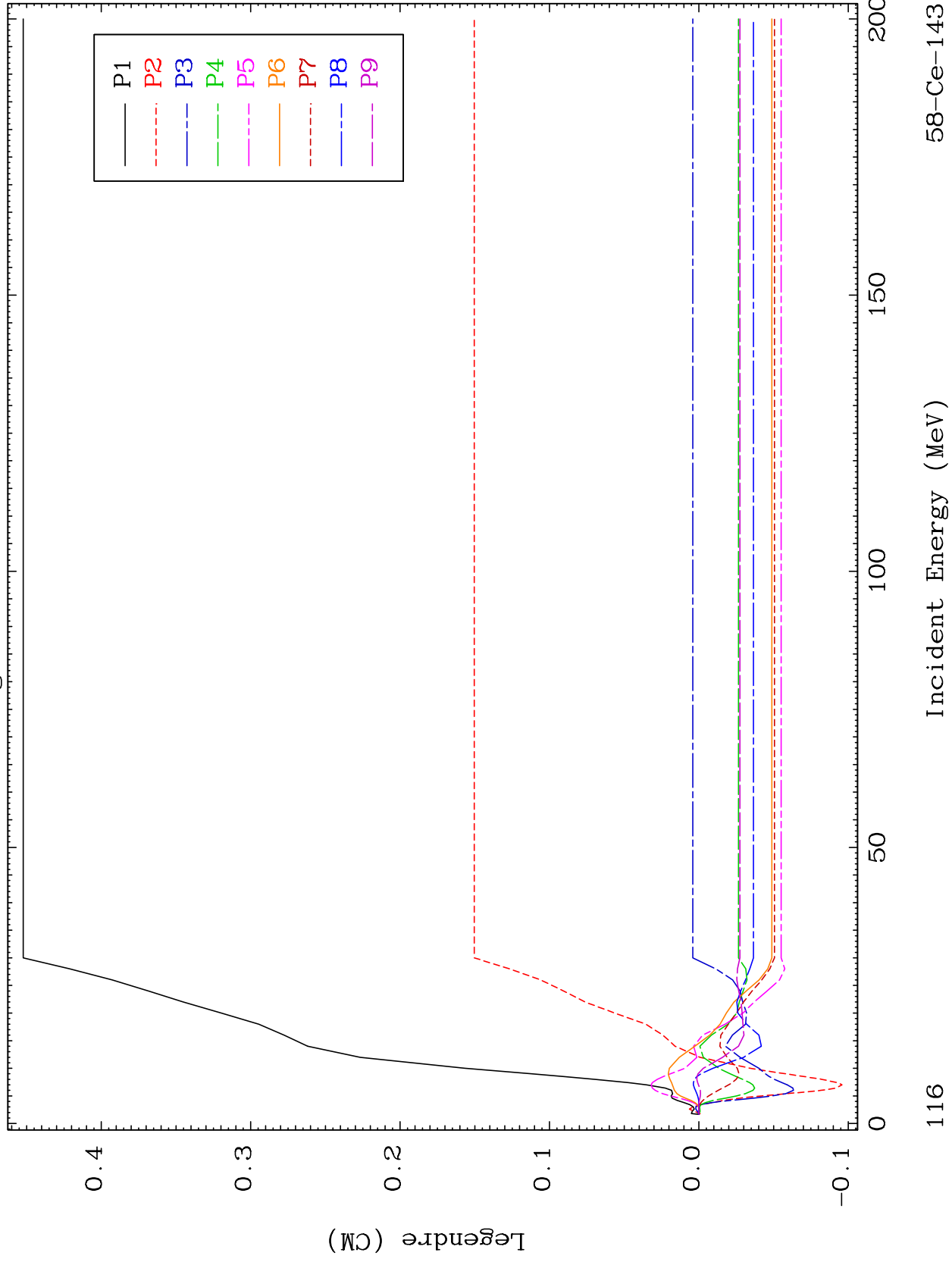
58-Ce-143



MAT 5846

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

58-Ce-143



58-Ce-143

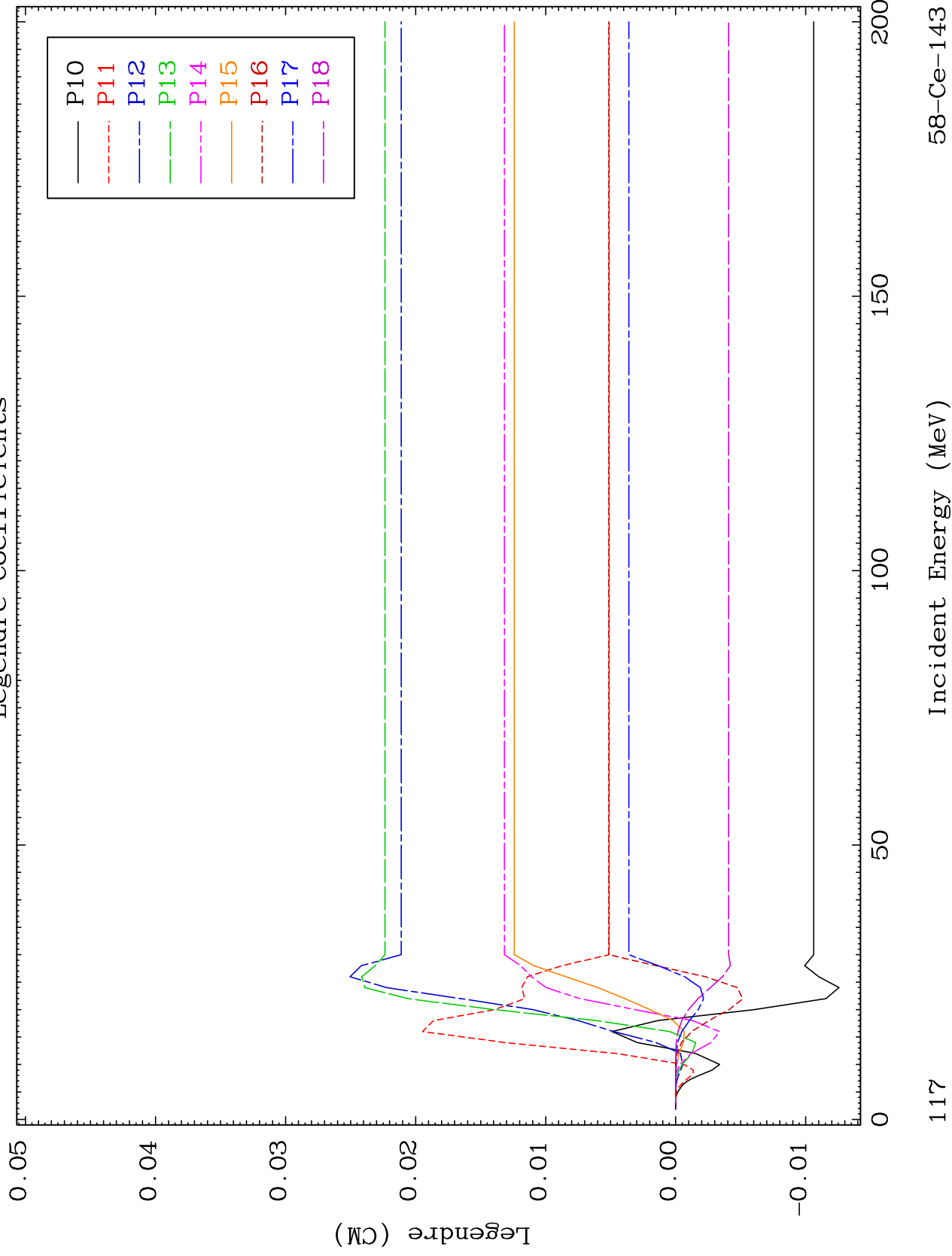
Incident Energy (MeV)

116

MAT 5846

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

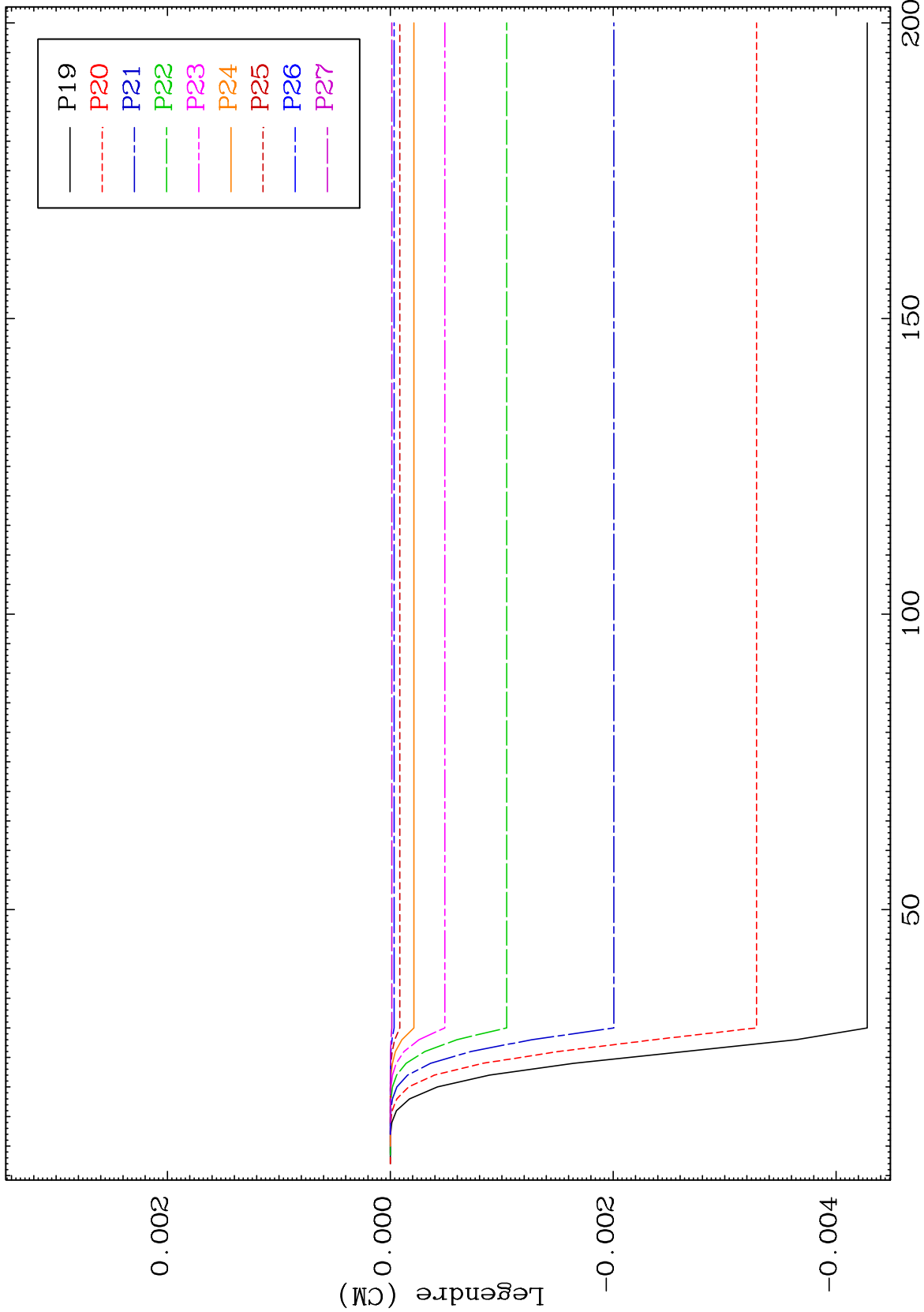
58-Ce-143



MAT 5846

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

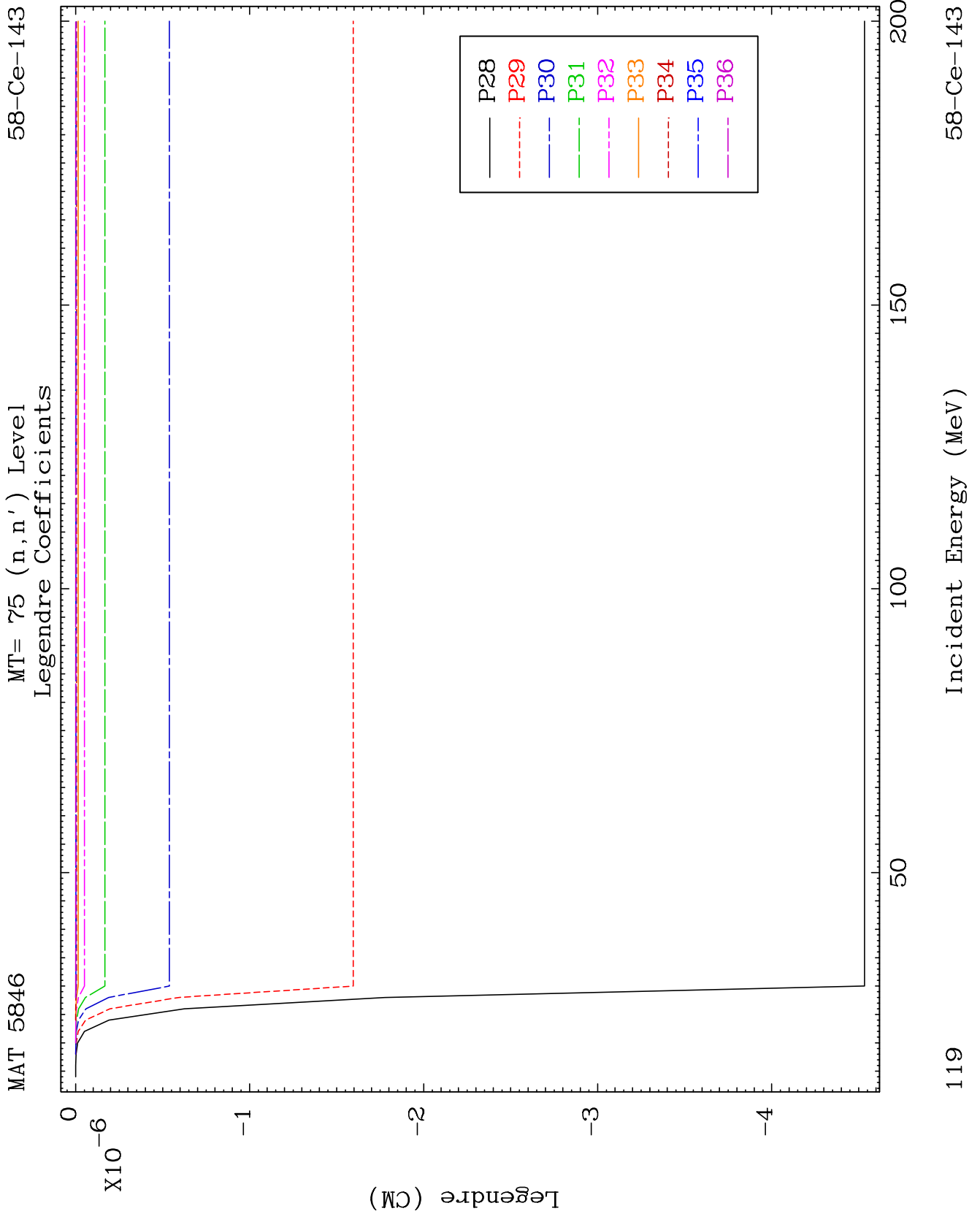
58-Ce-143



118

Incident Energy (MeV)

58-Ce-143



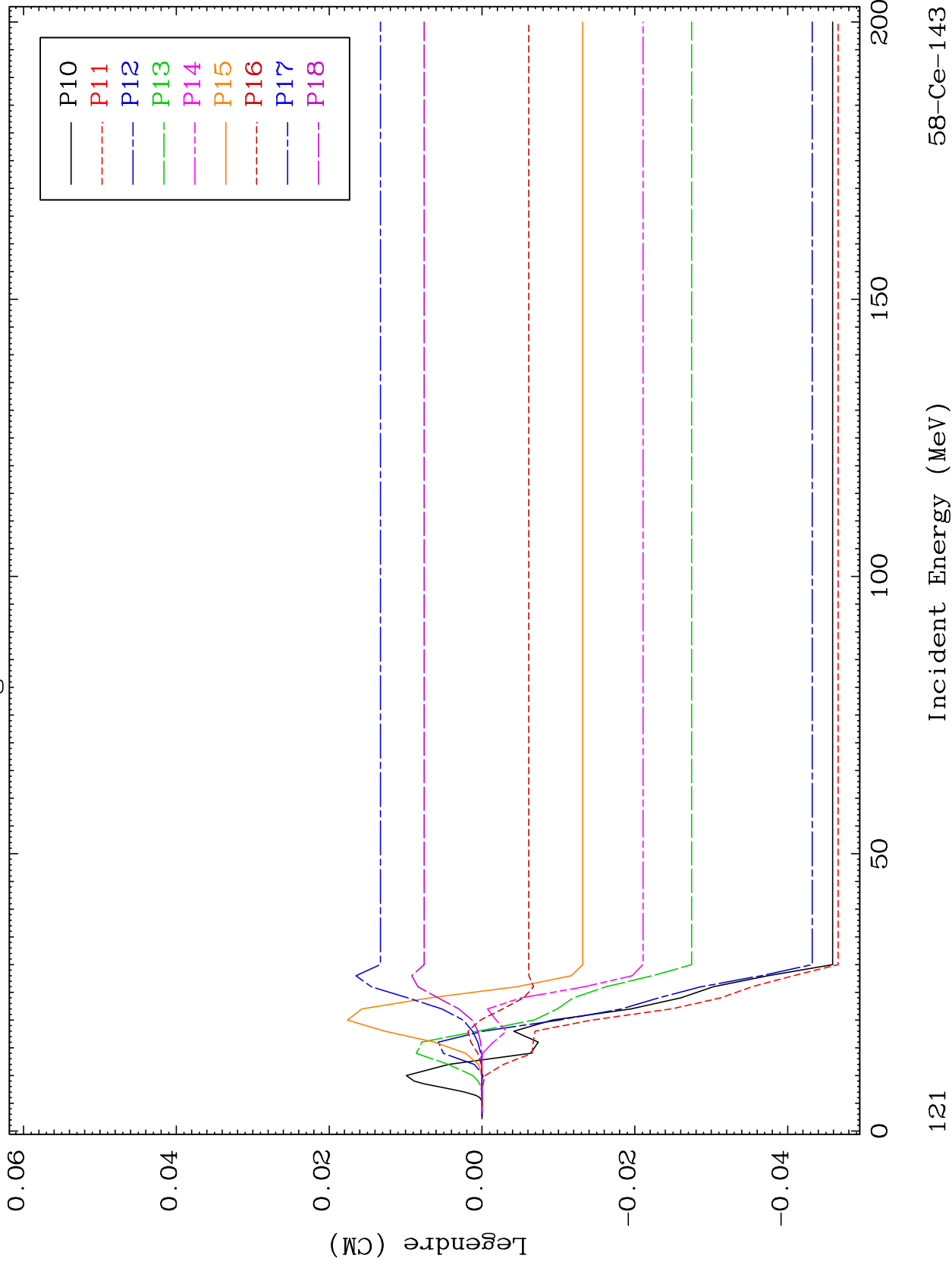




MAT 5846

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

58-Ce-143



121

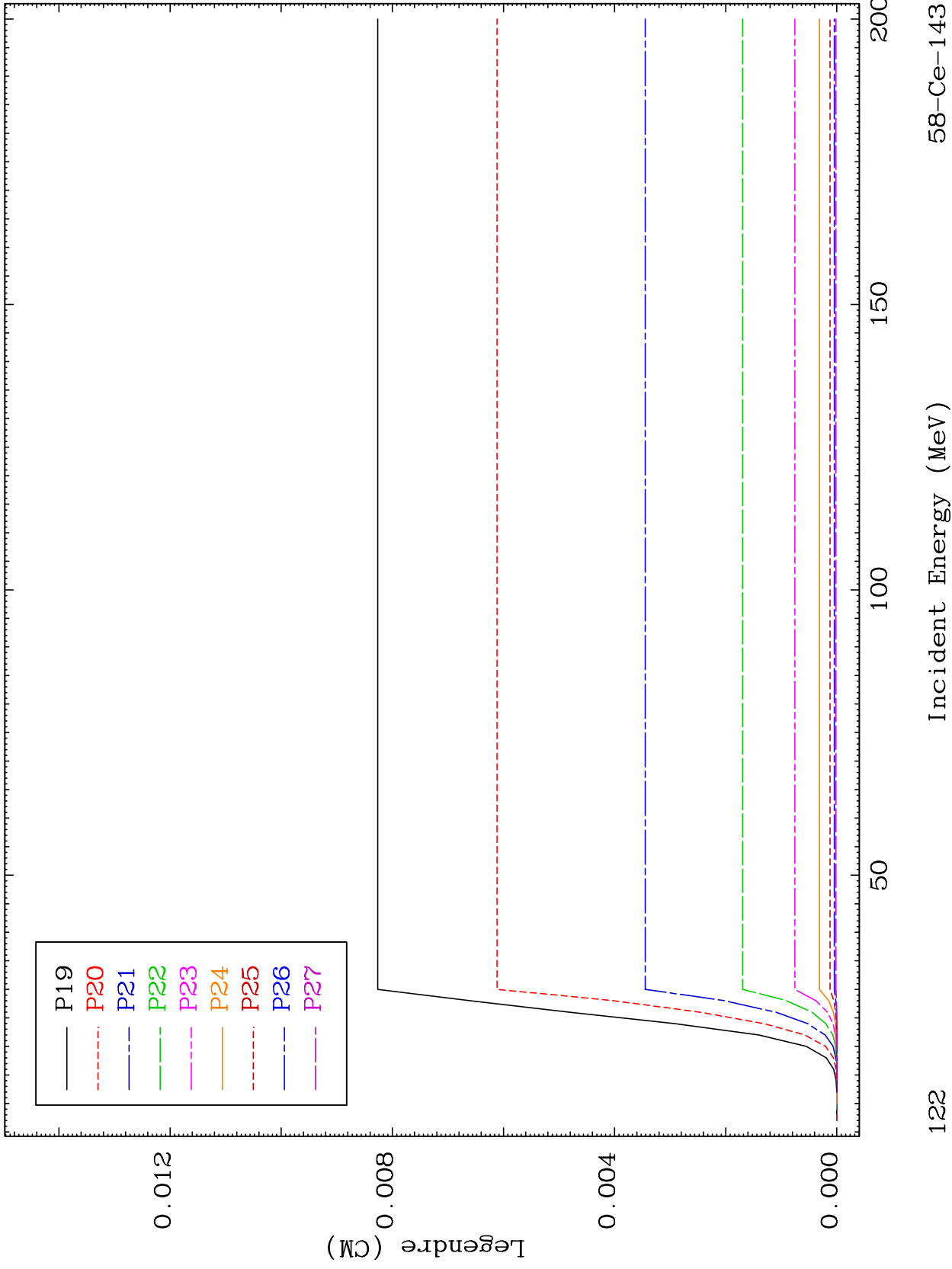
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143



122

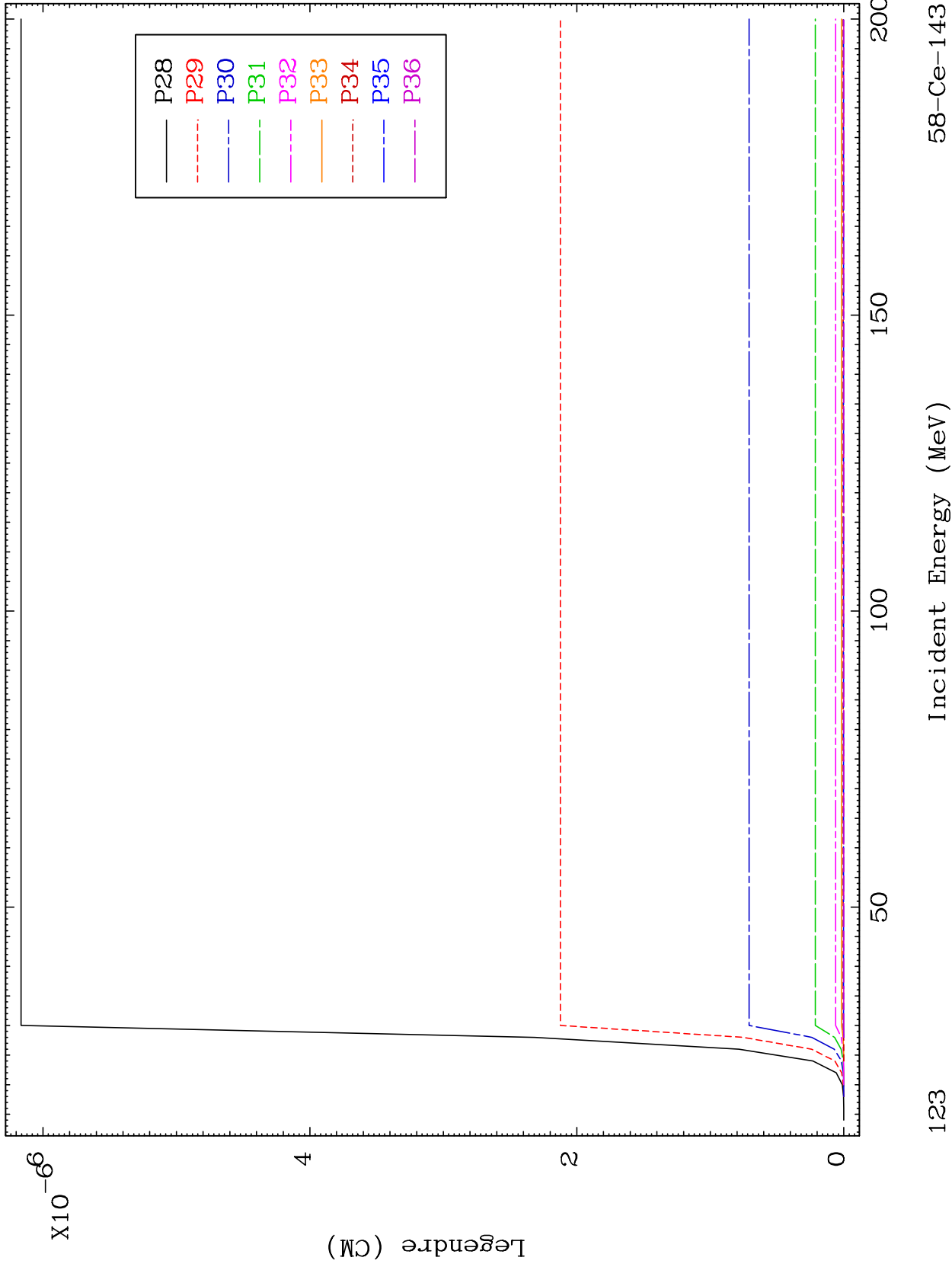
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143



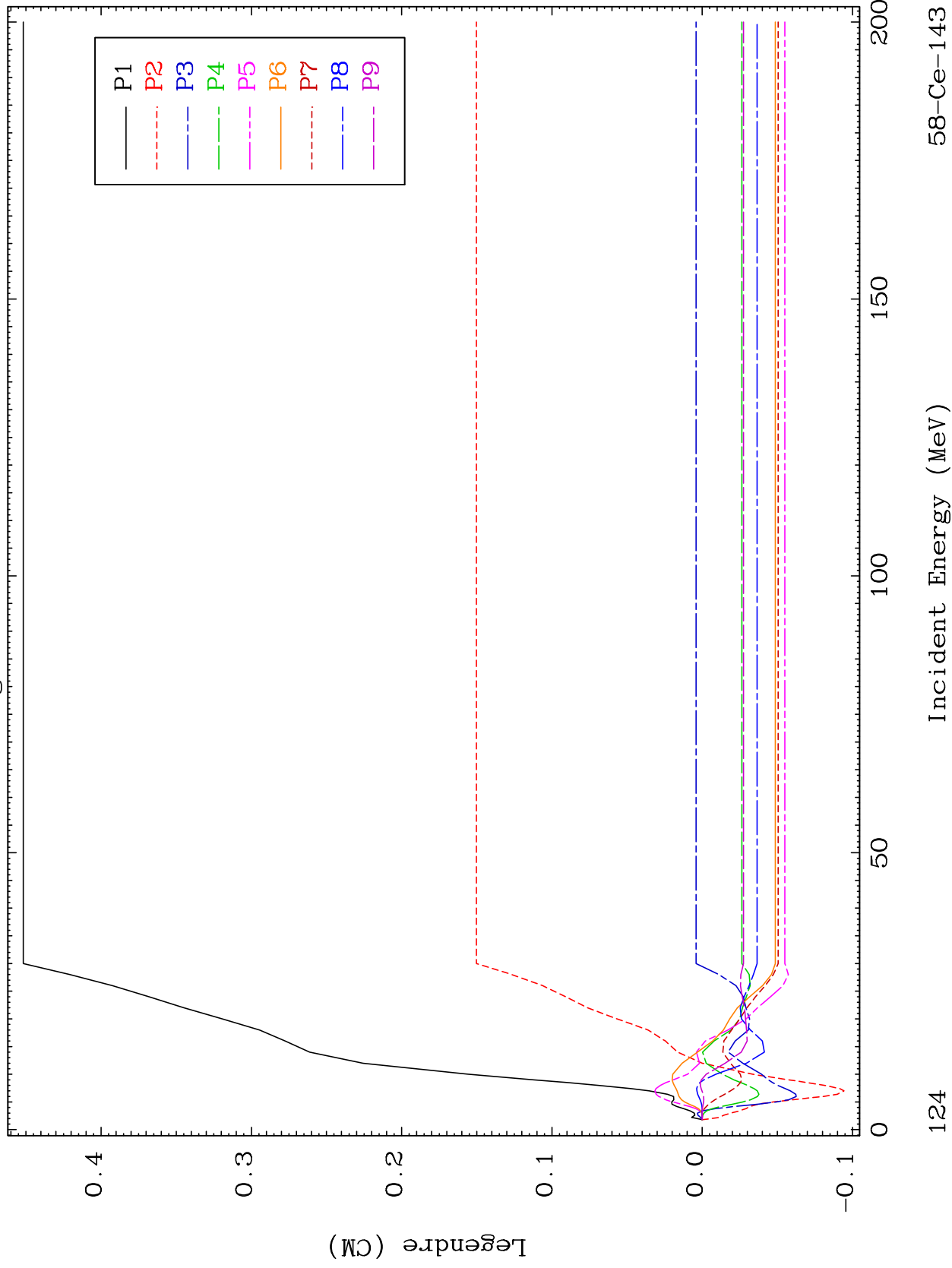
123

58-Ce-143

MAT 5846

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

58-Ce-143



58-Ce-143

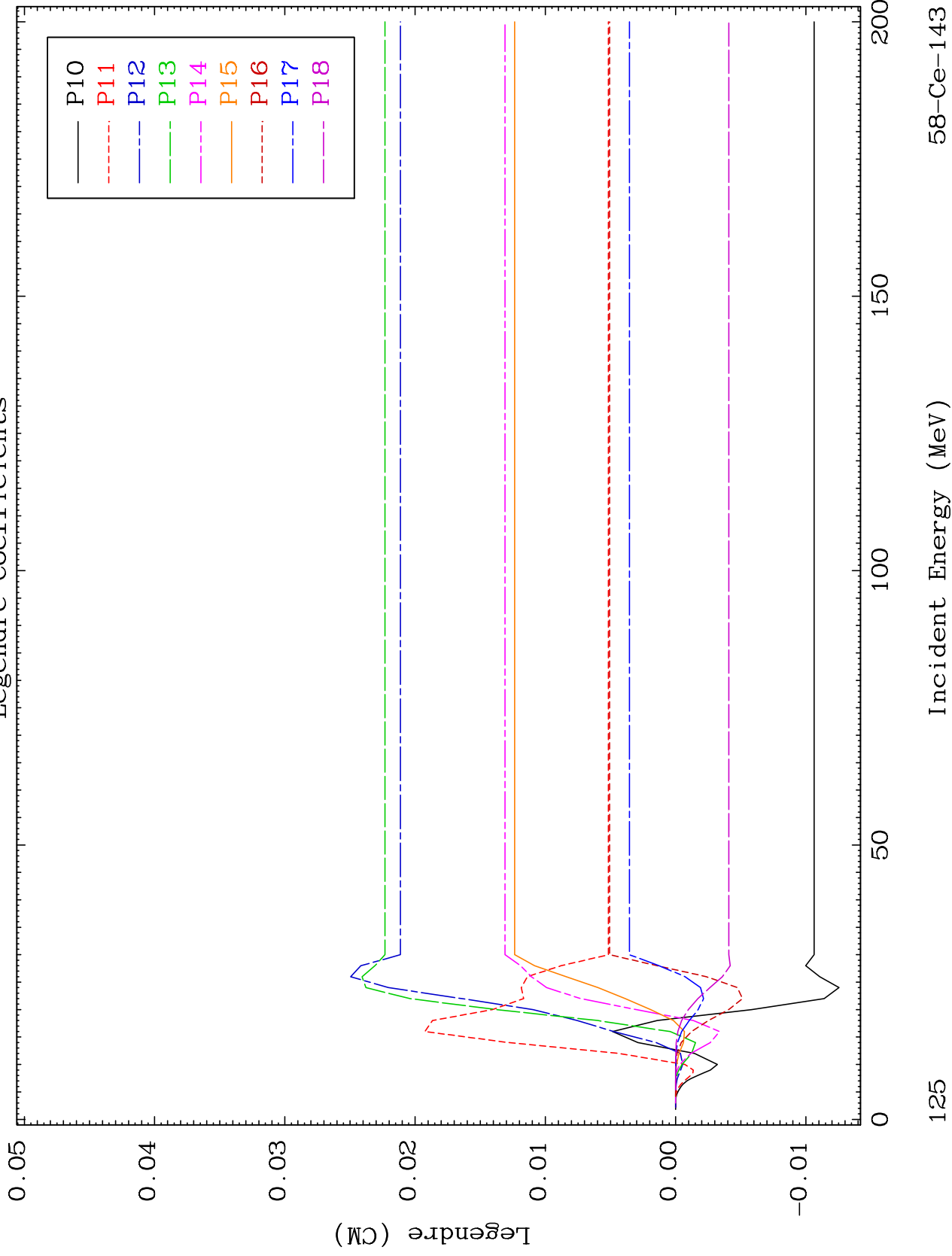
Incident Energy (MeV)

124

MAT 5846

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

58-Ce-143



58-Ce-143

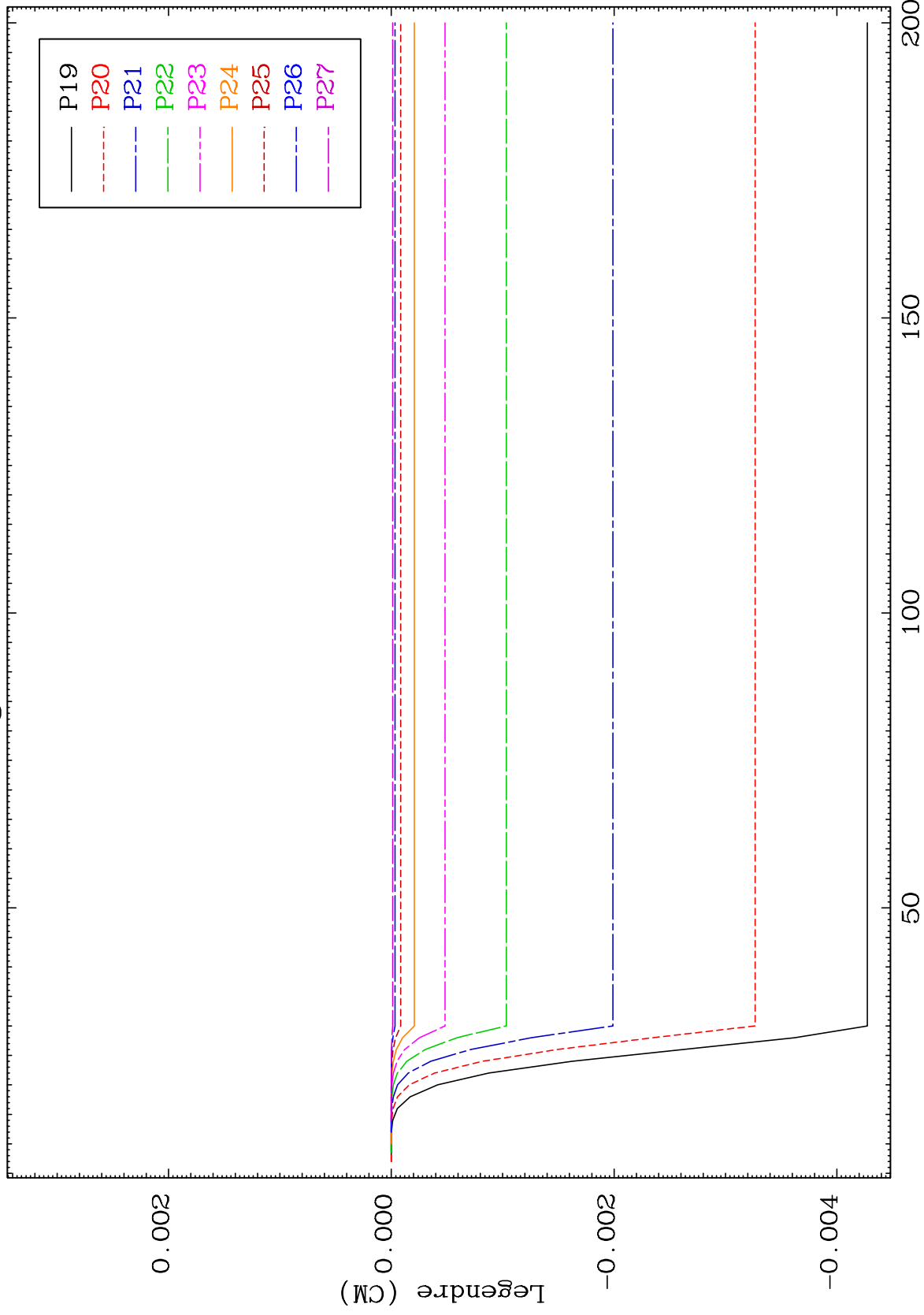
Incident Energy (MeV)

125

MAT 5846

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

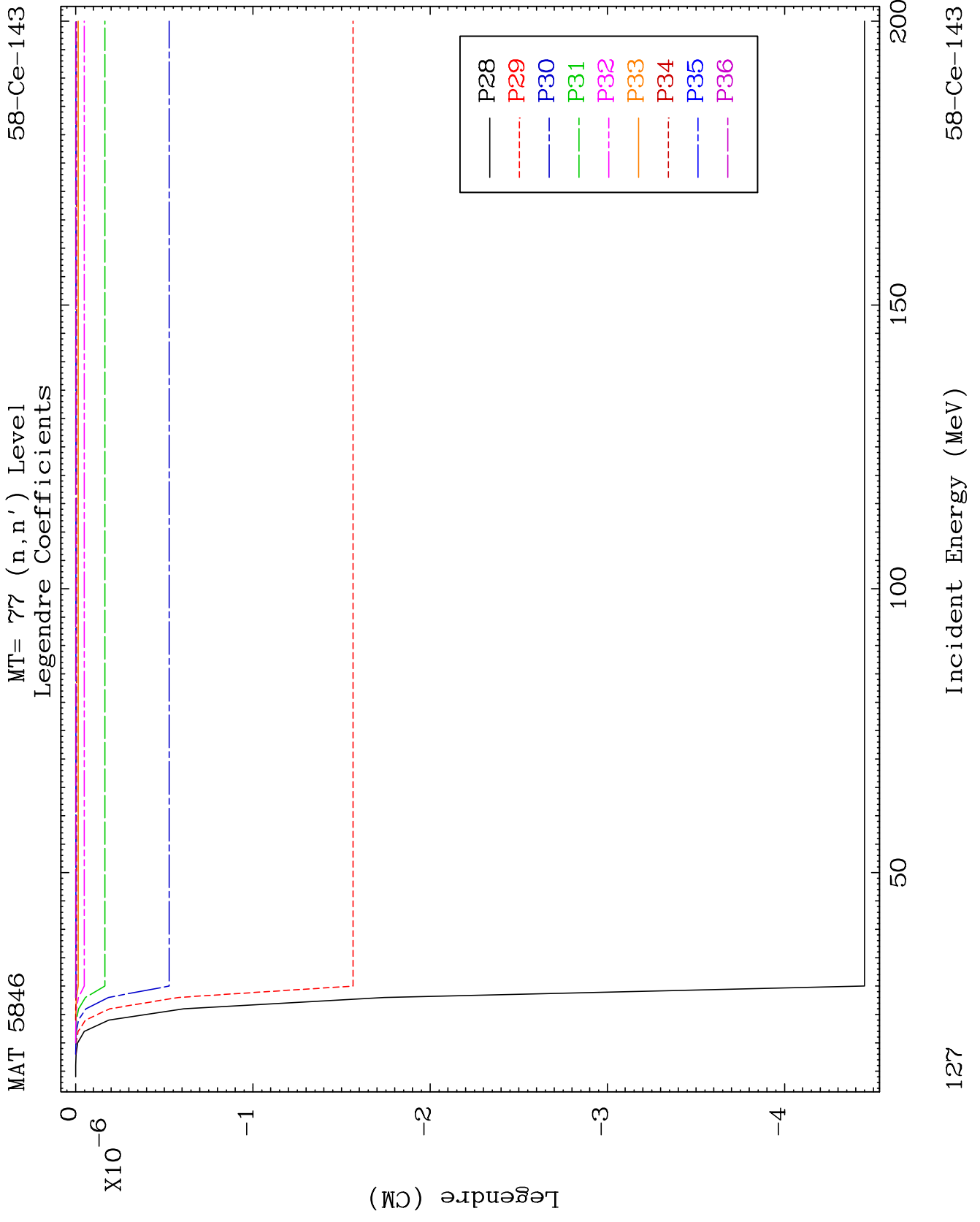
58-Ce-143



126

Incident Energy (MeV)

58-Ce-143

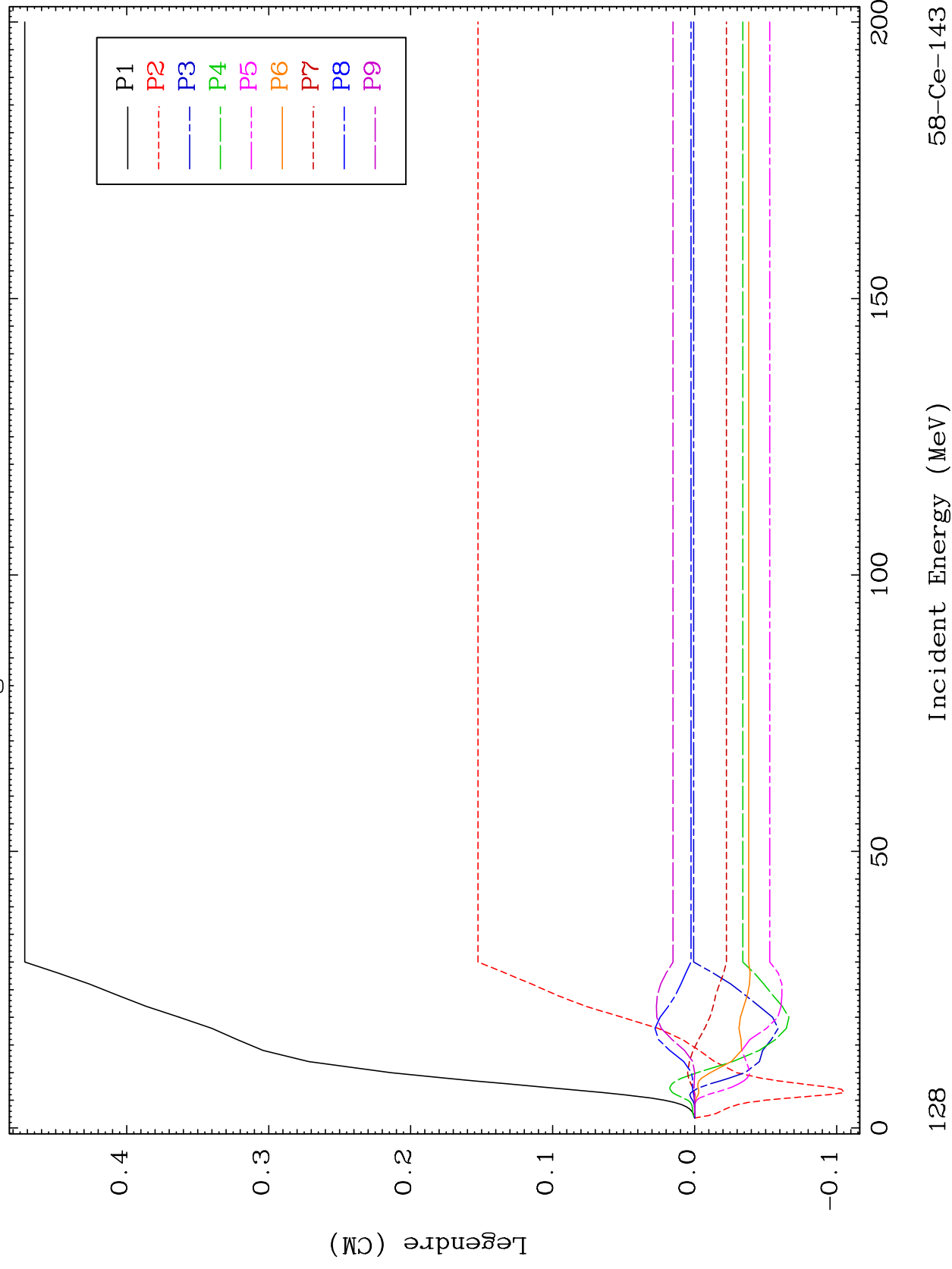




MAT 5846

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

58-Ce-143



58-Ce-143

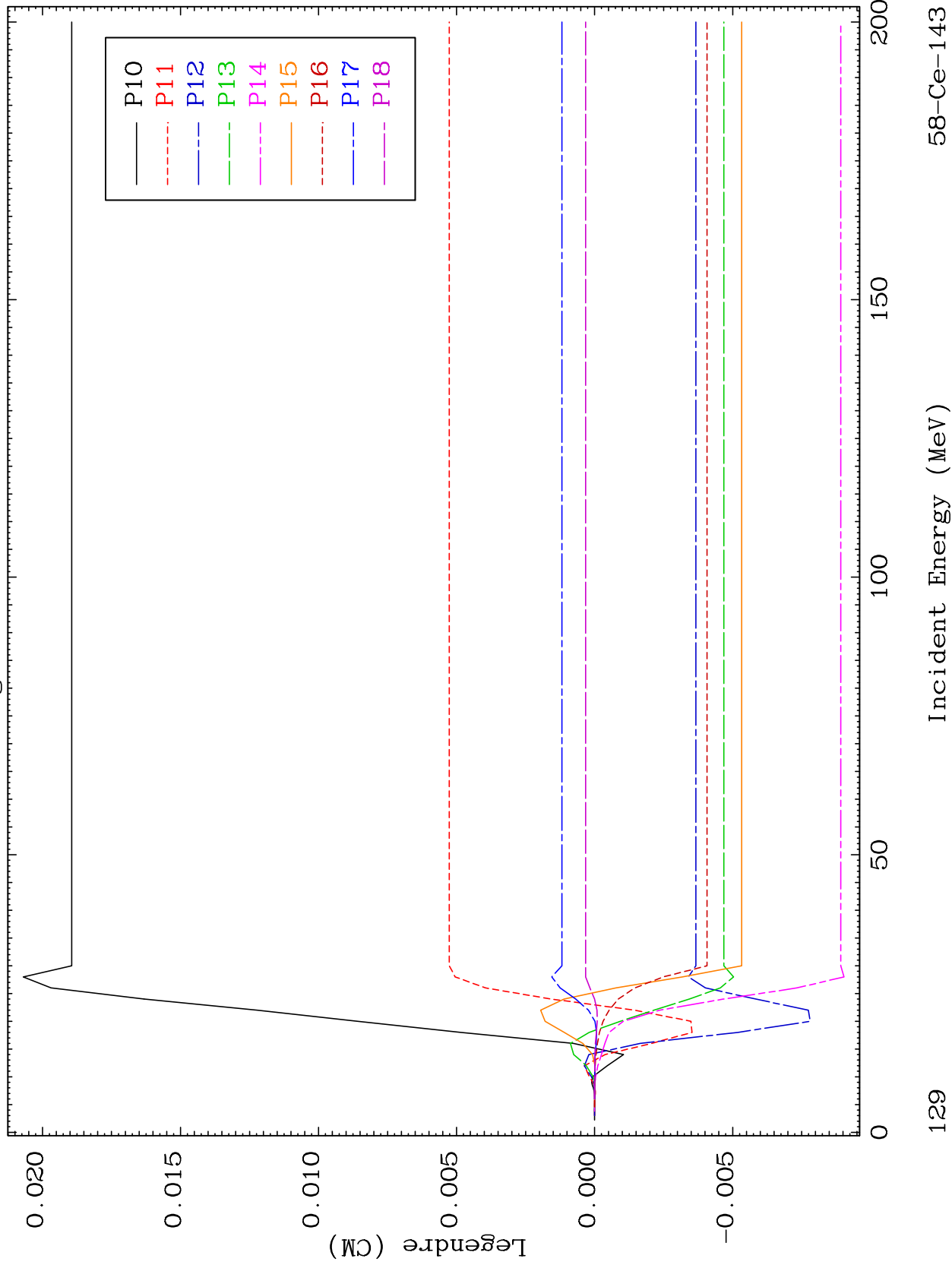
Incident Energy (MeV)

128

MAT 5846

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

58-Ce-143



129

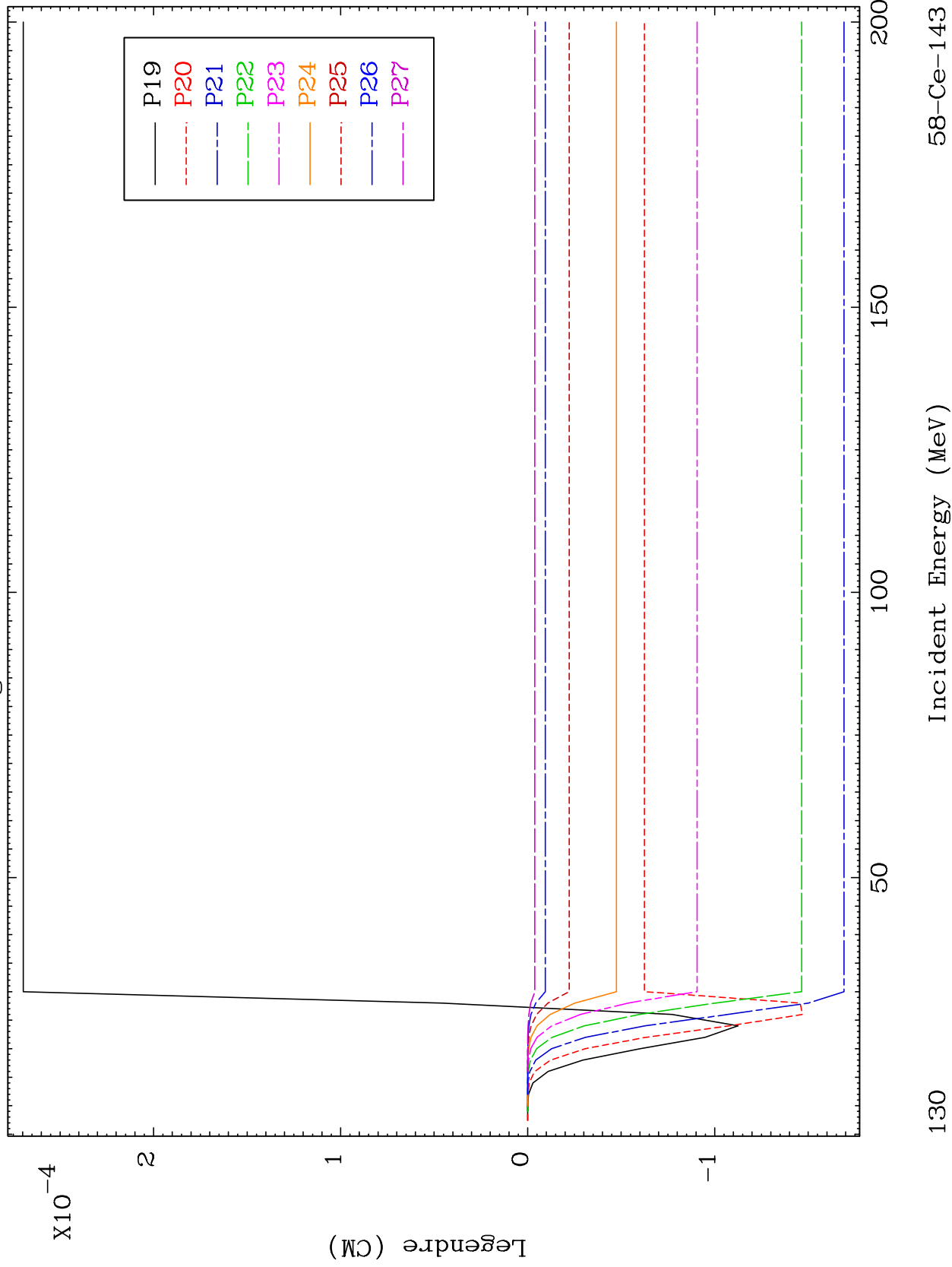
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

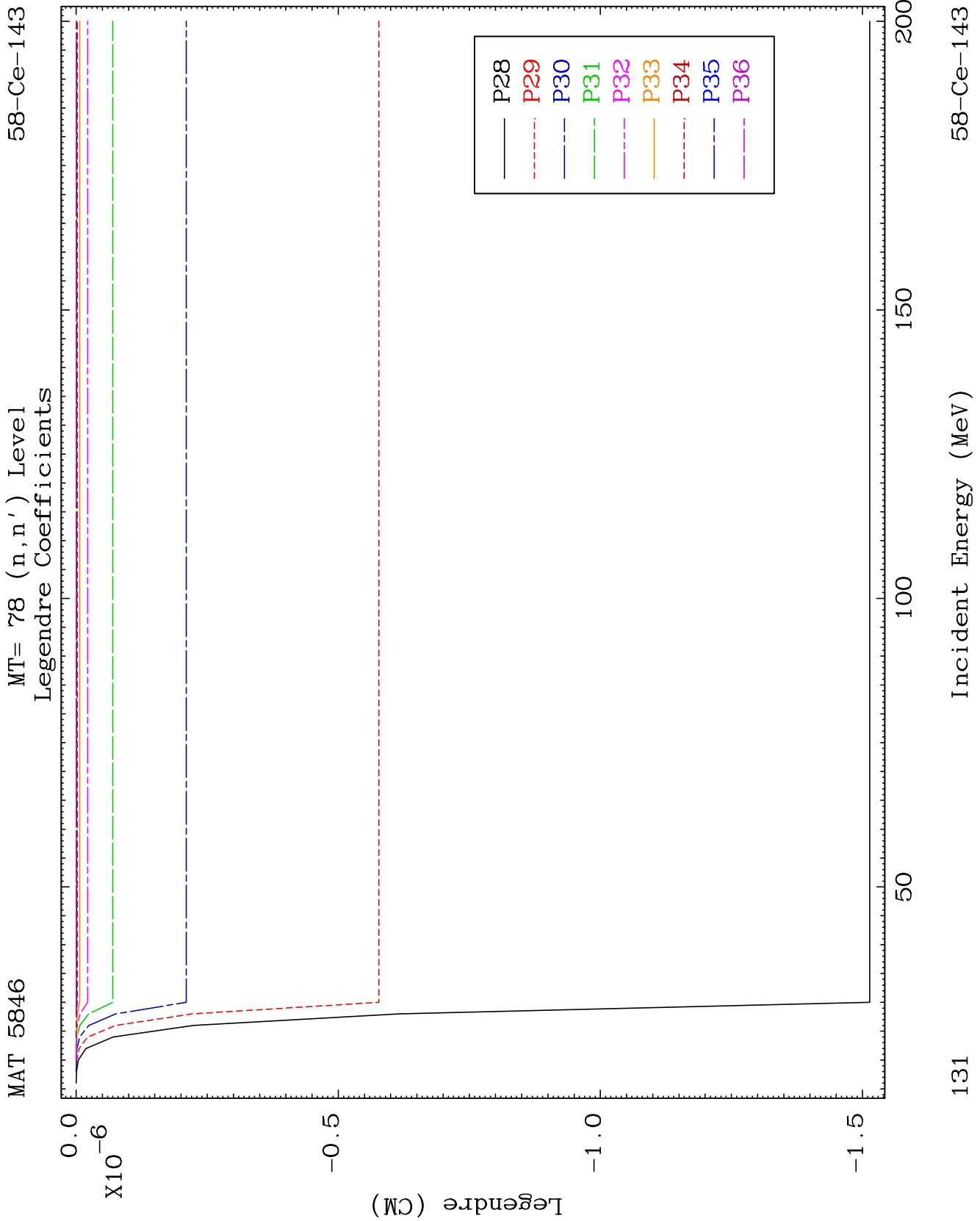
58-Ce-143

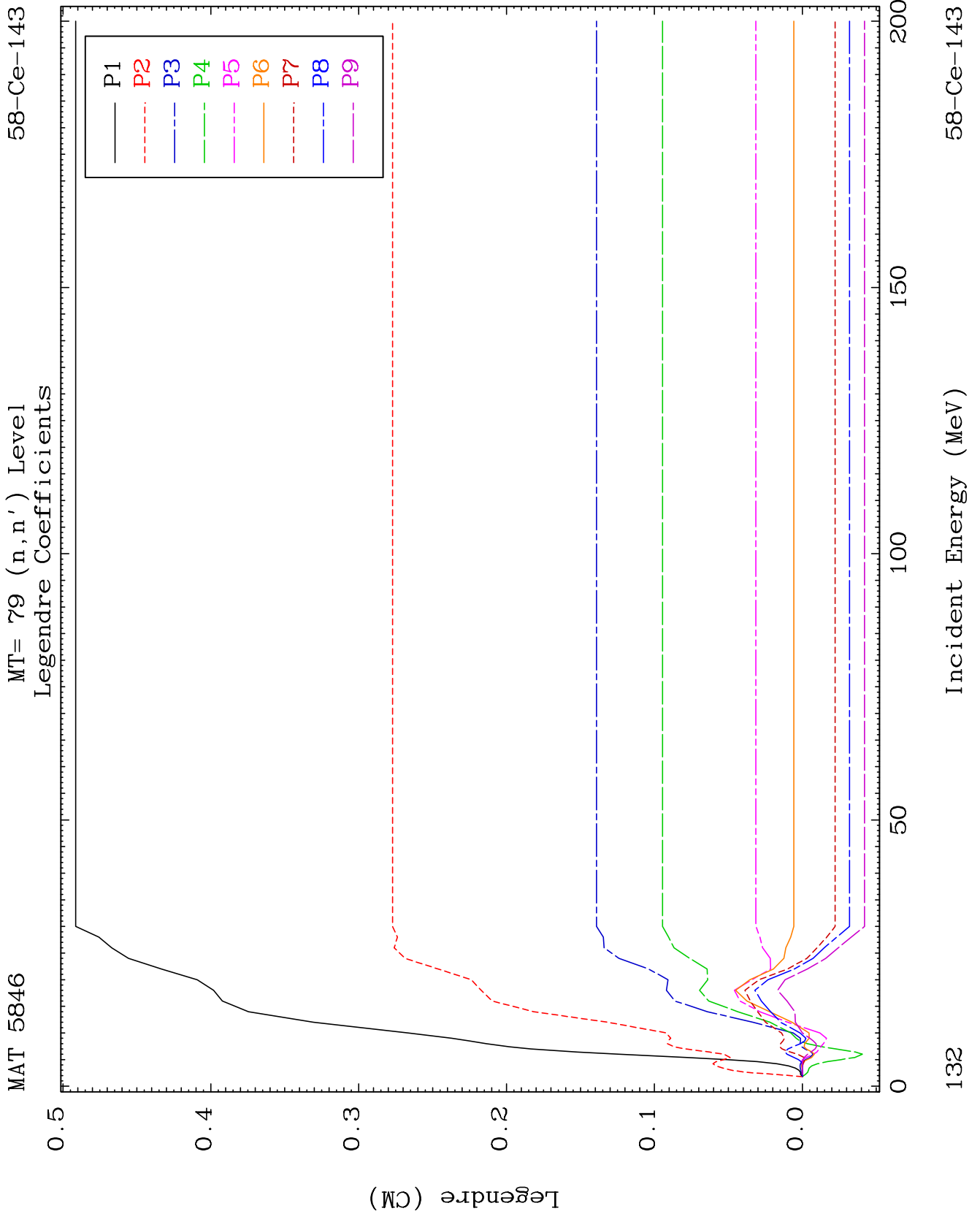


130

Incident Energy (MeV)

58-Ce-143

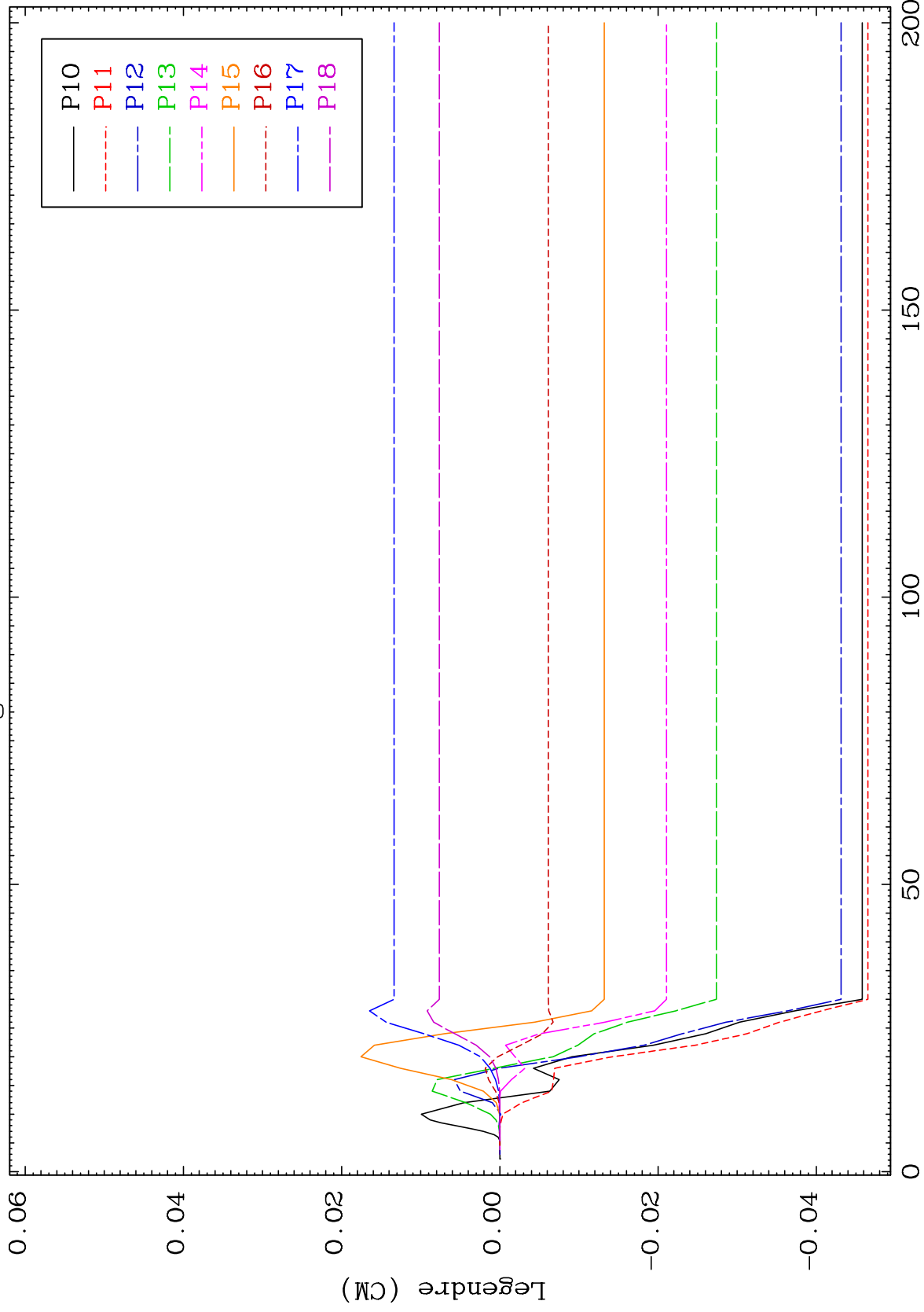




MAT 5846

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

58-Ce-143



133

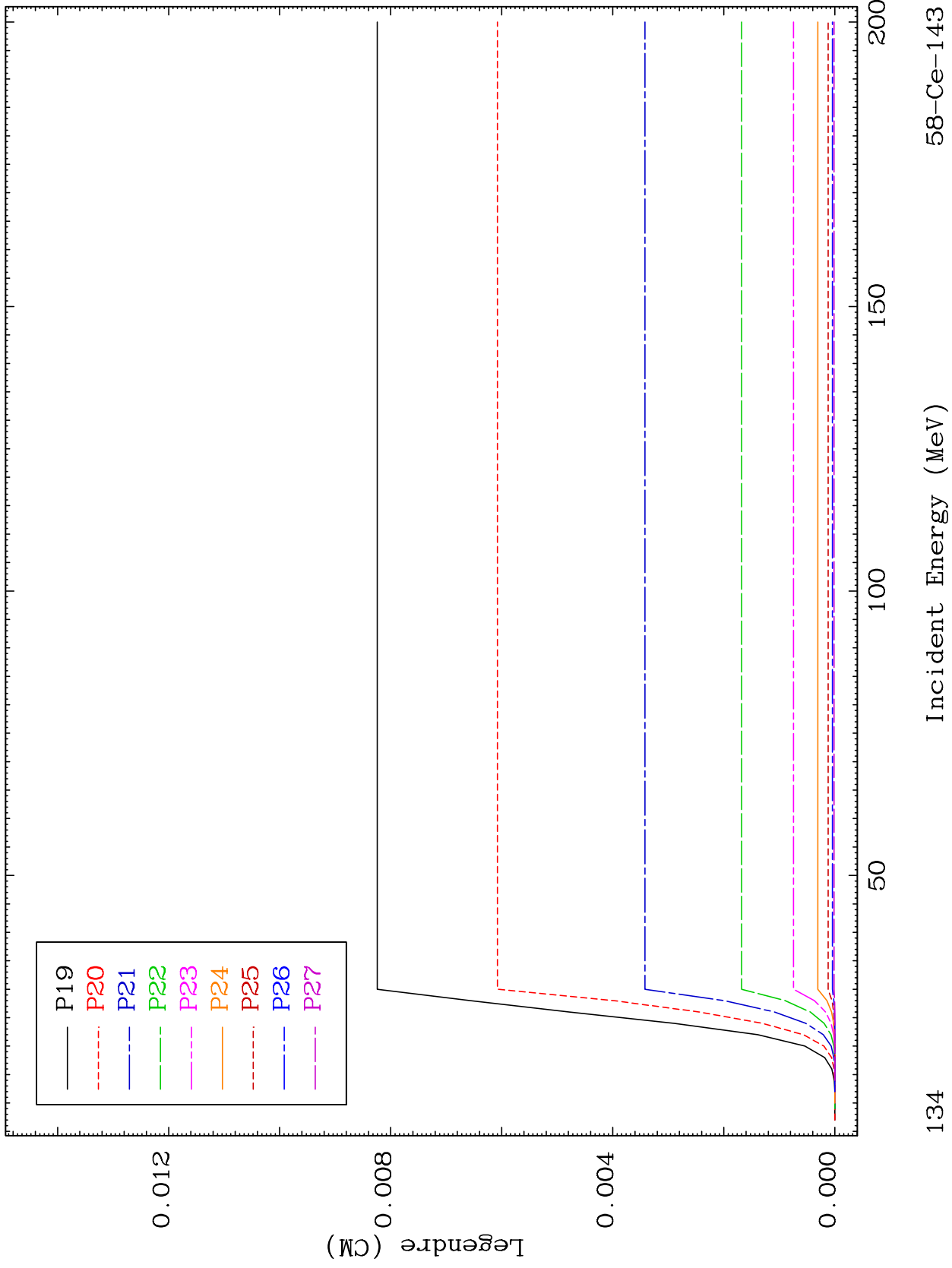
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143



134

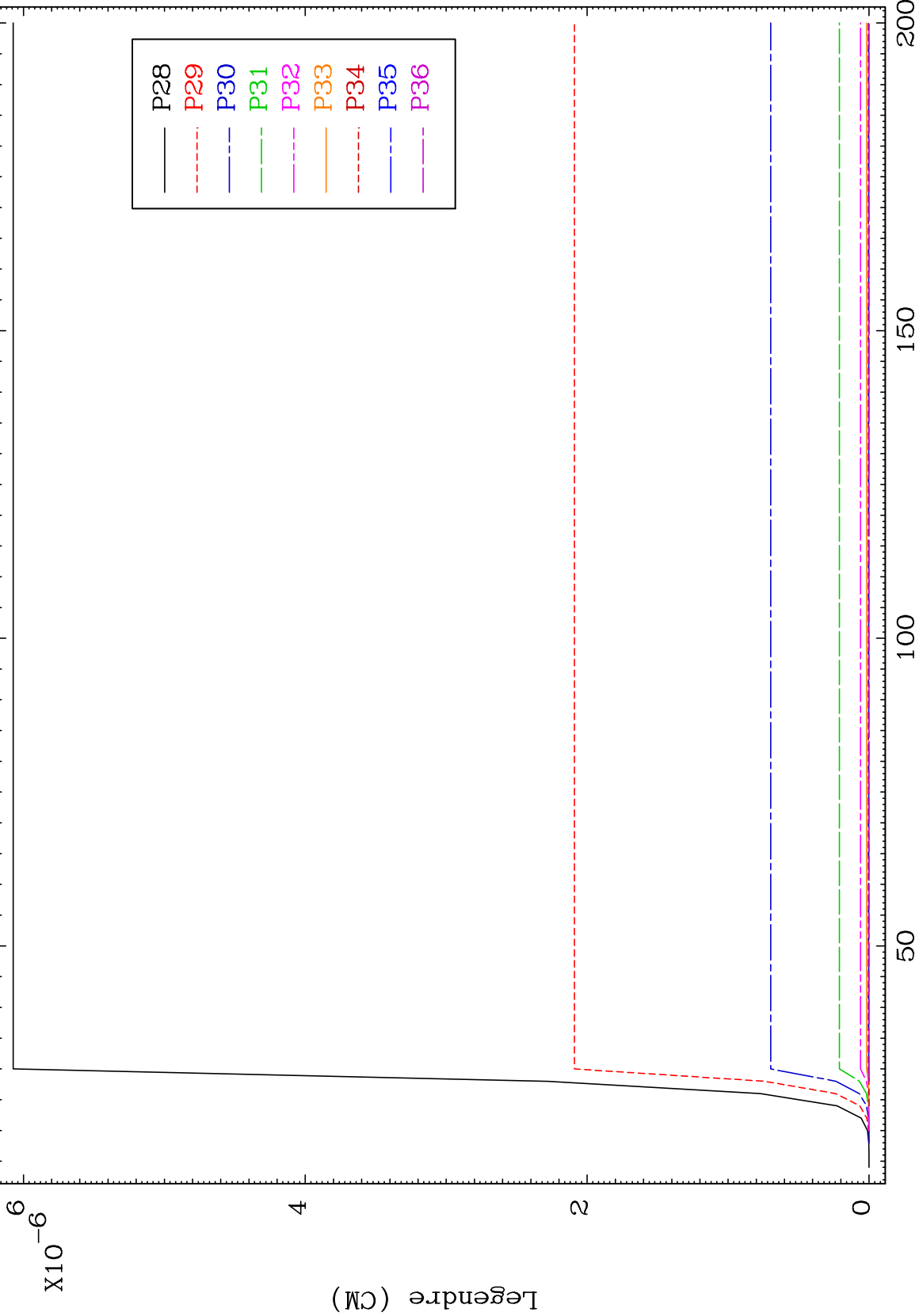
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143



135

Incident Energy (MeV)

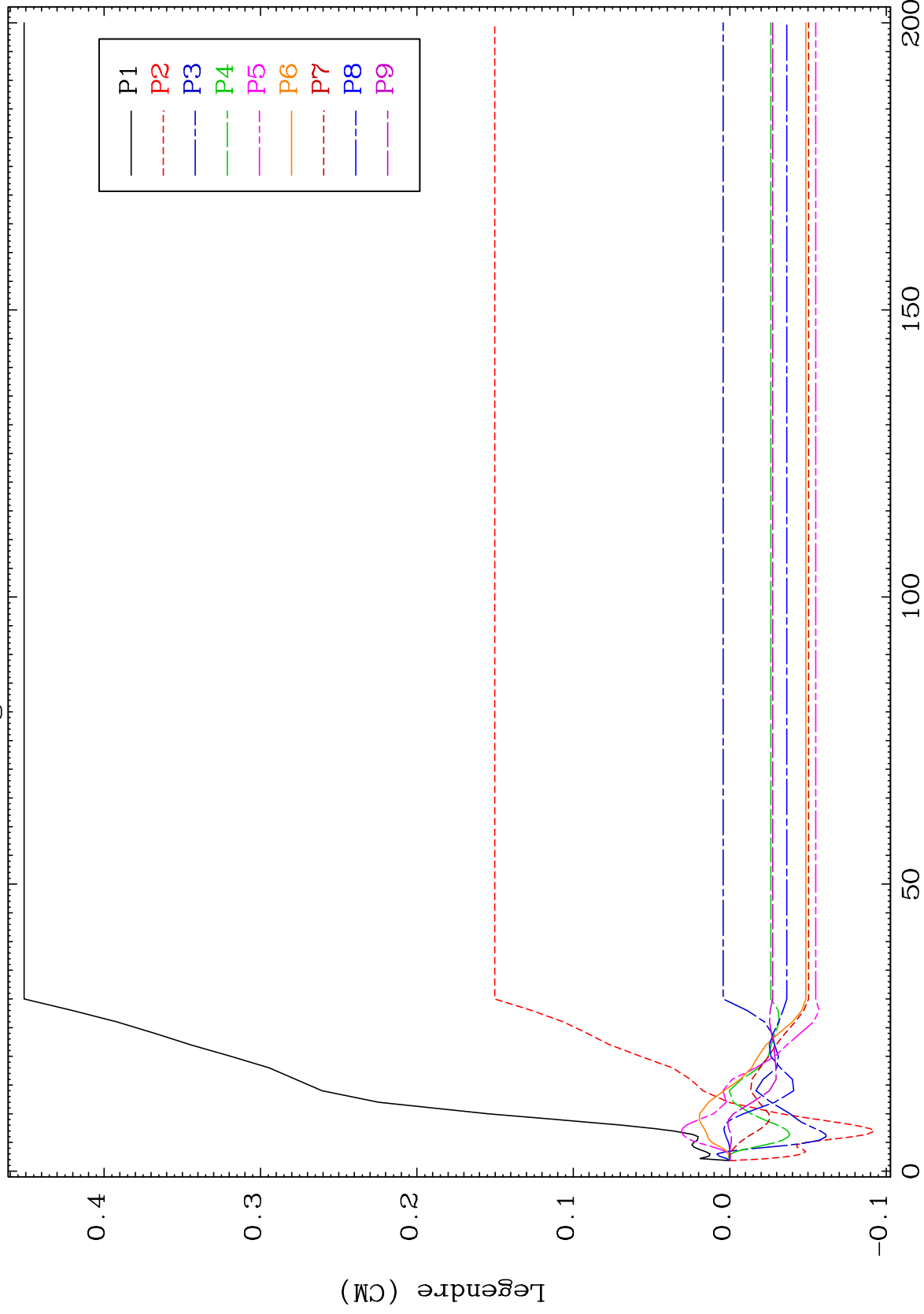
58-Ce-143



MAT 5846

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

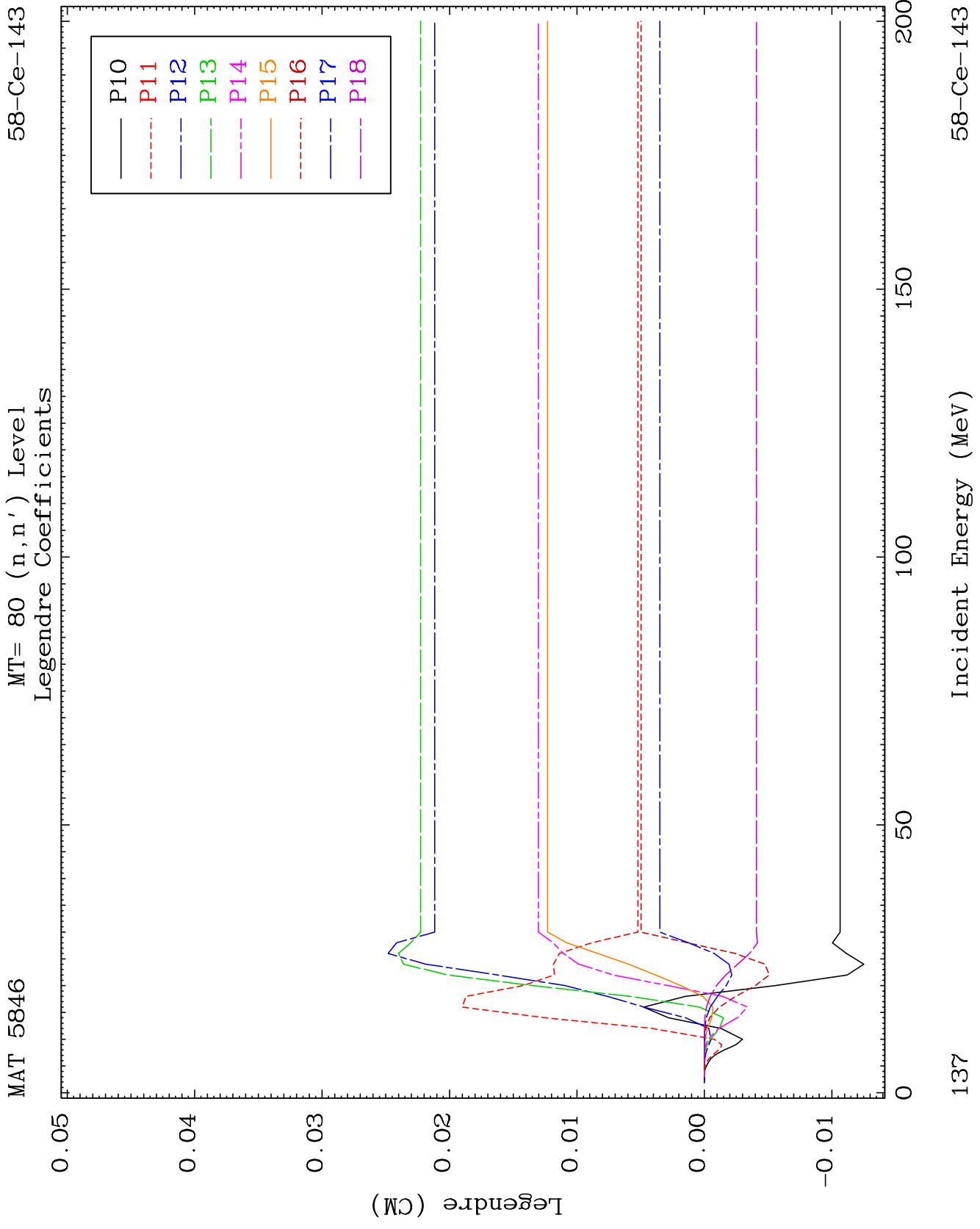
58-Ce-143



58-Ce-143

Incident Energy (MeV)

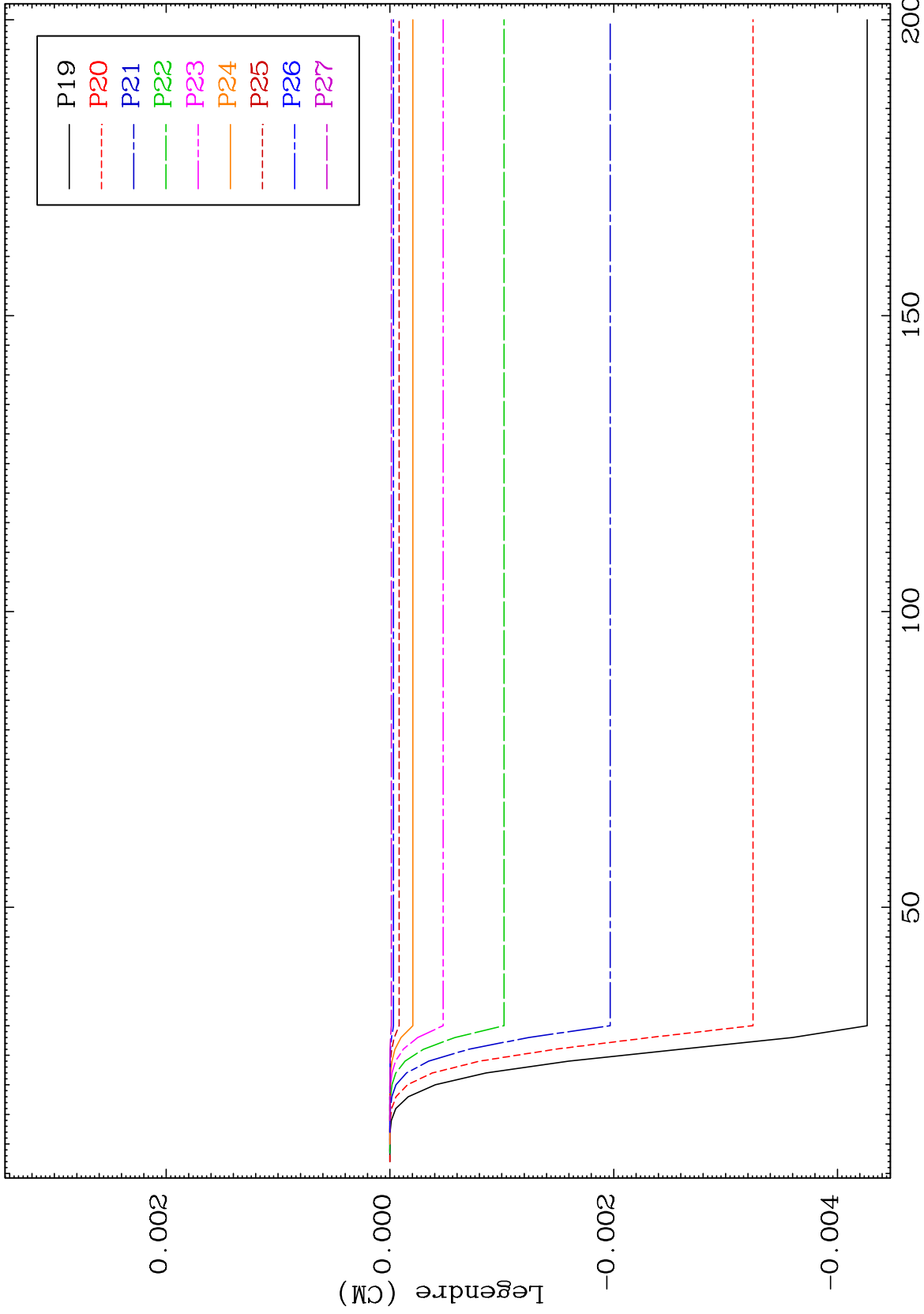
136



MAT 5846

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

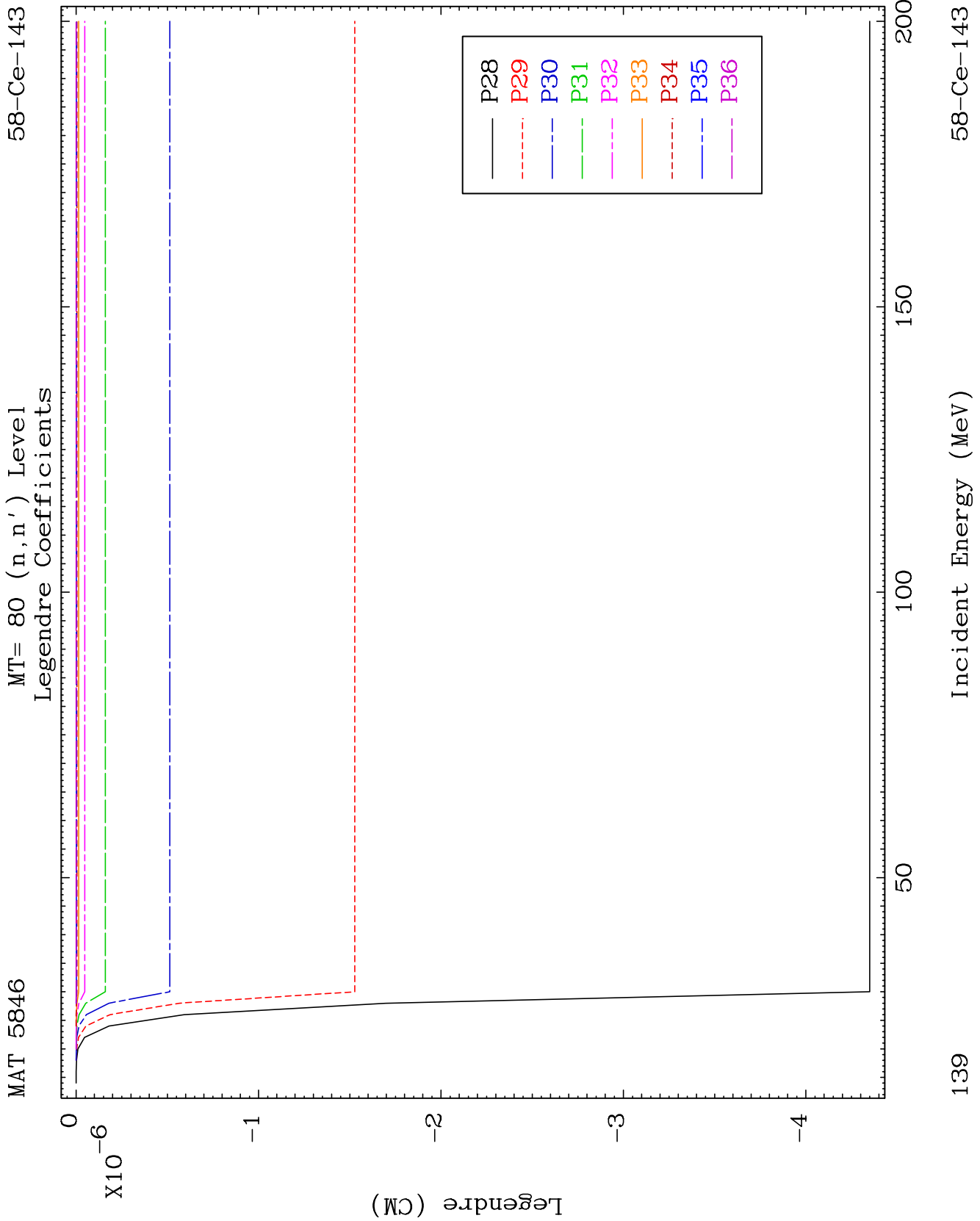
58-Ce-143



138

Incident Energy (MeV)

58-Ce-143

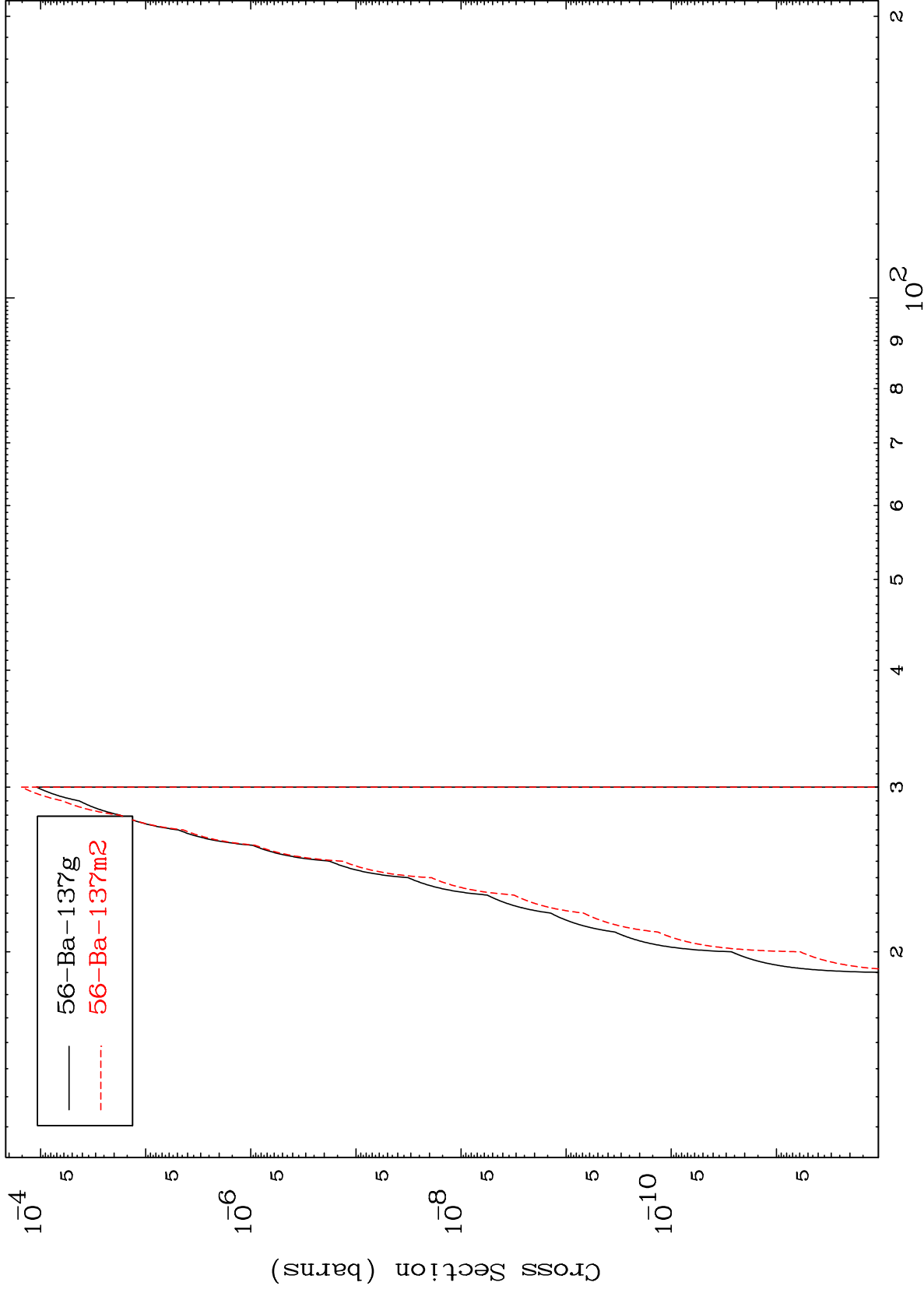


MAT 5846

(n,3n)  $\alpha$

58-Ce-143

Radionuclide Production Cross Section



140

Incident Energy (MeV)

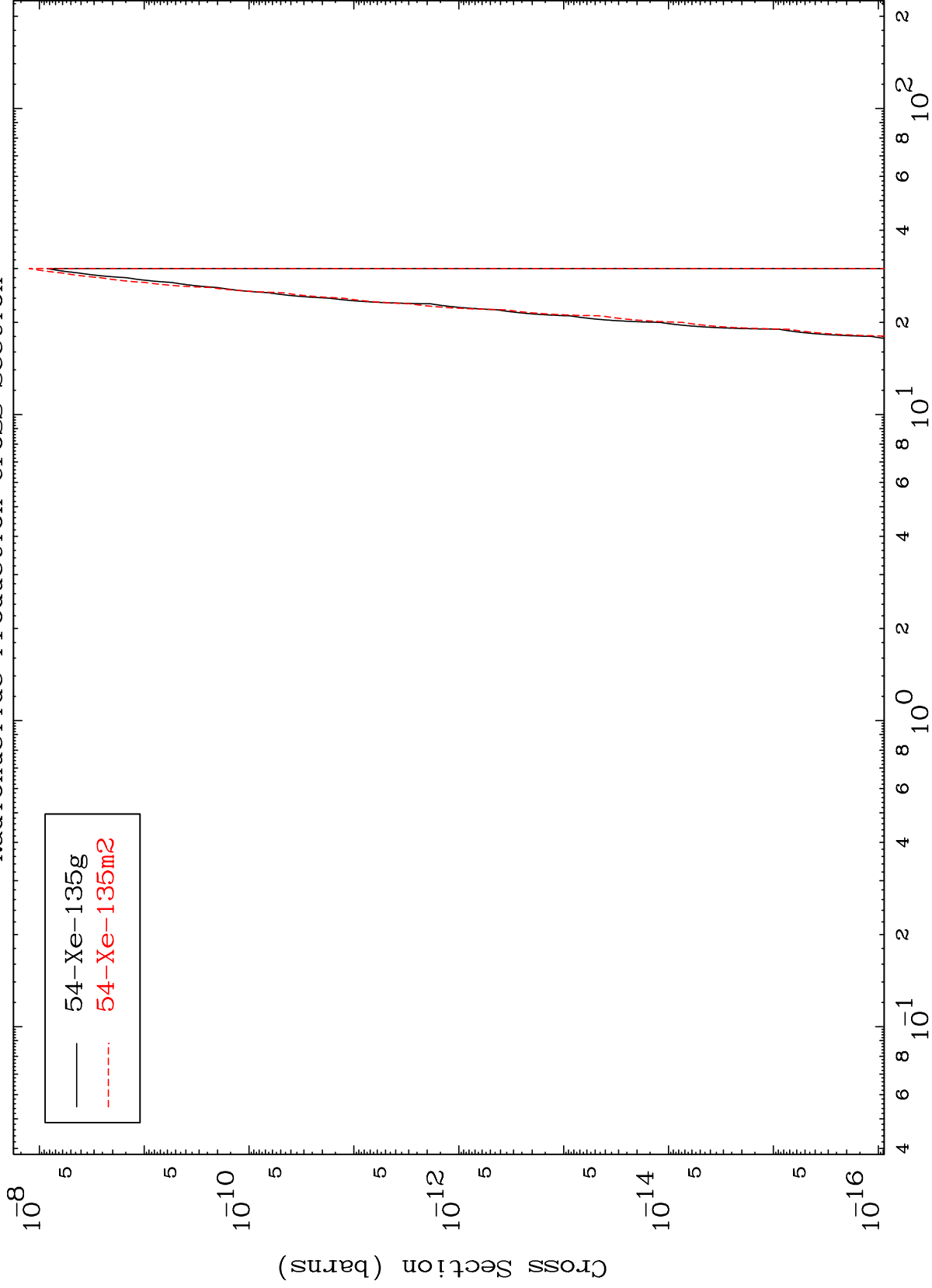
58-Ce-143

MAT 5846

(n,n') 2 $\alpha$

58-Ce-143

Radionuclide Production Cross Section



141

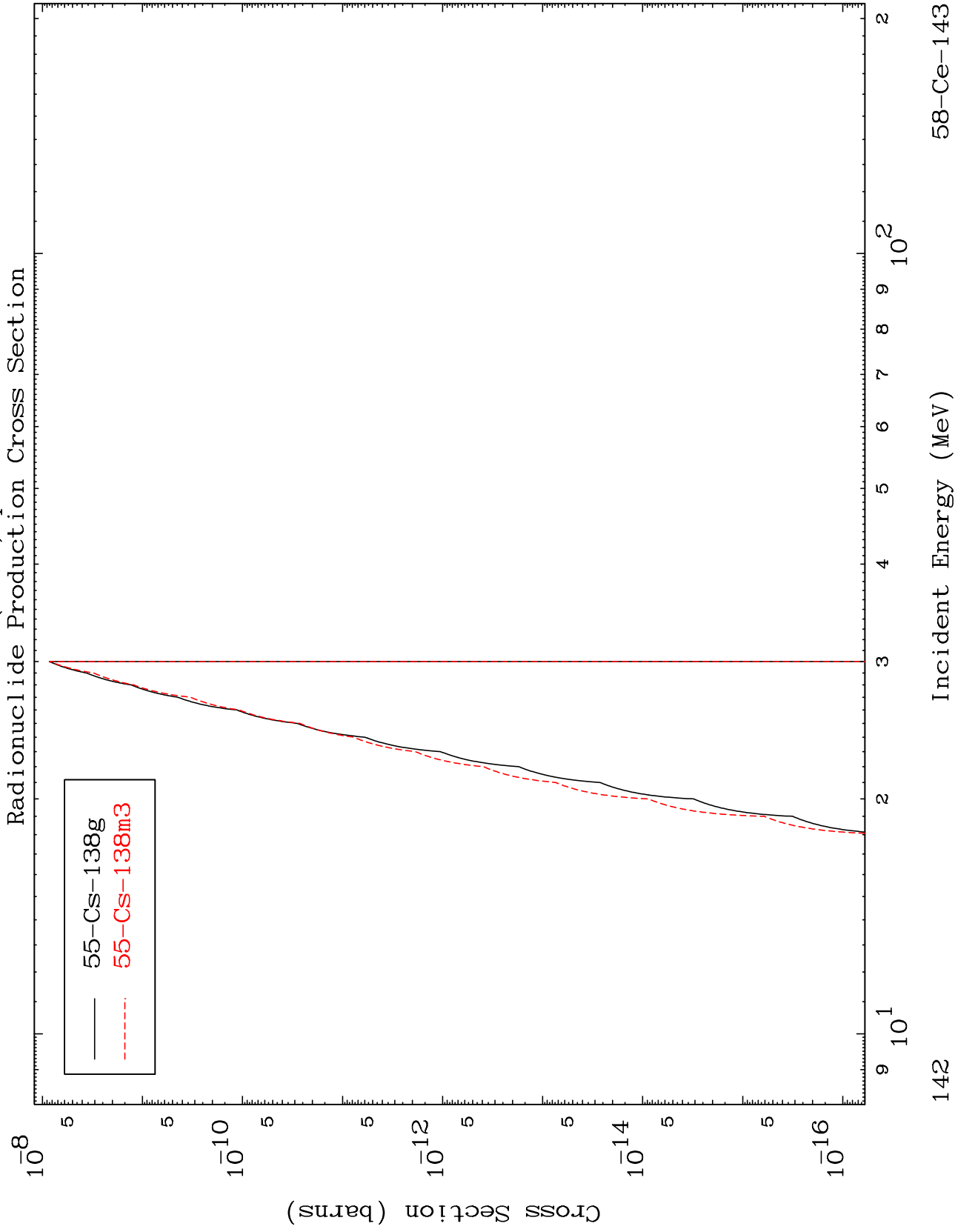
Incident Energy (MeV)

58-Ce-143

MAT 5846

(n,n') p  $\alpha$

58-Ce-143

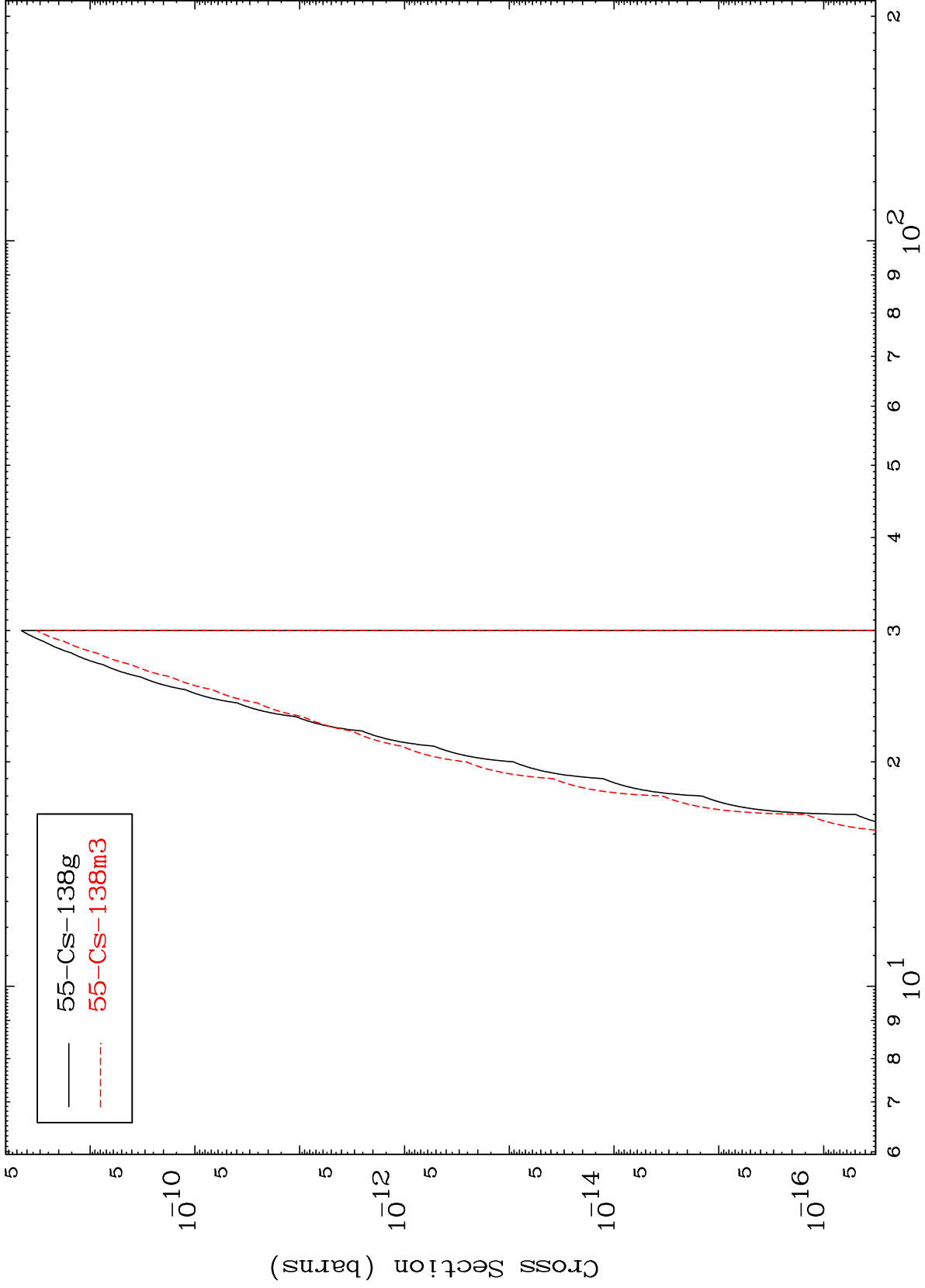


MAT 5846

(n,d)  $\alpha$

58-Ce-143

Radionuclide Production Cross Section



55-Cs-138g  
55-Cs-138m3