

Program EVALPLOT
(Version 2021-1)

by

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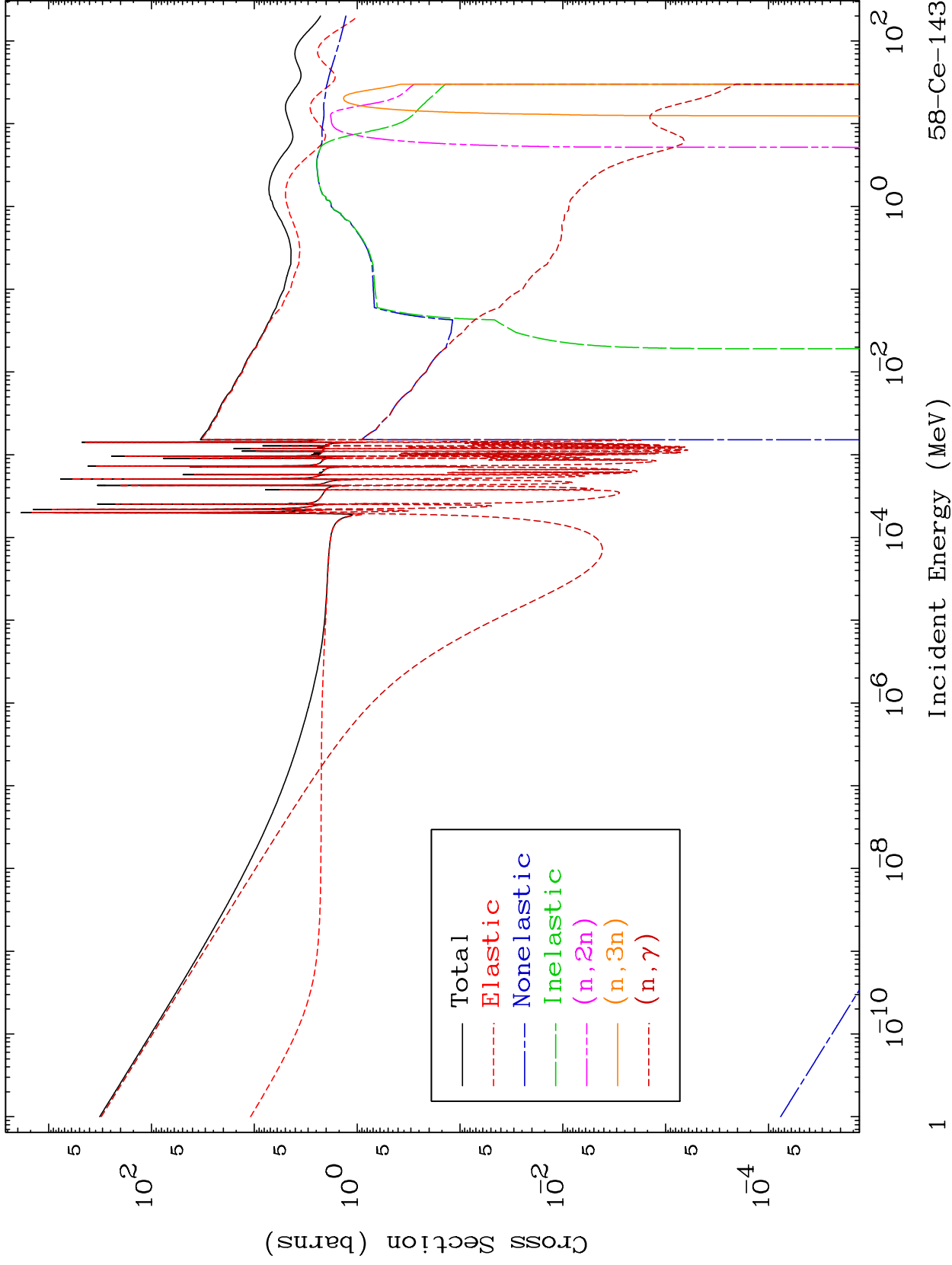
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Press Mouse Button to Start

MAT 5846

Neutron Major
293 Kelvin Cross Sections

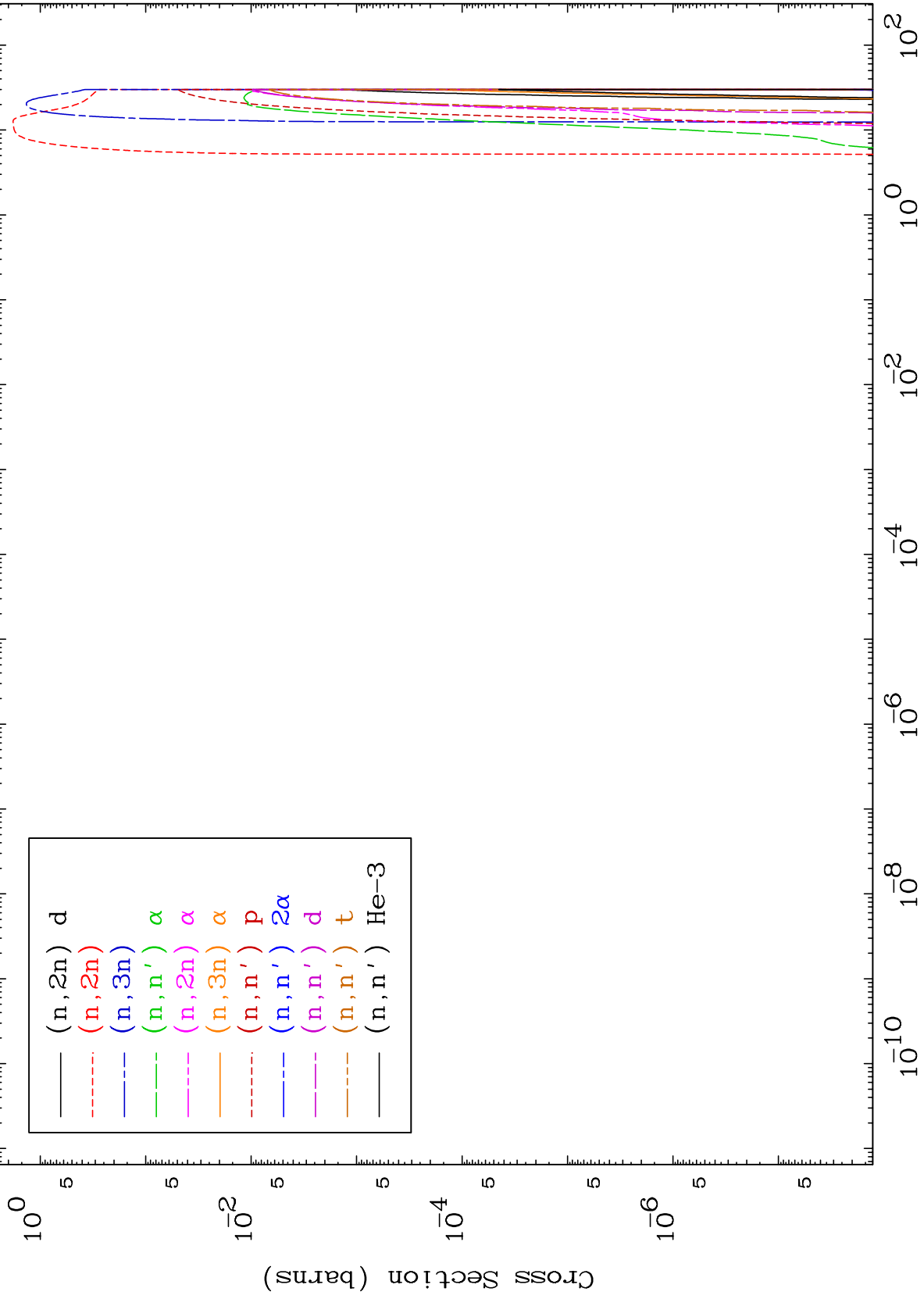
58-Ce-143



MAT 5846

Neutron Absorption
293 Kelvin Cross Sections

58-Ce-143



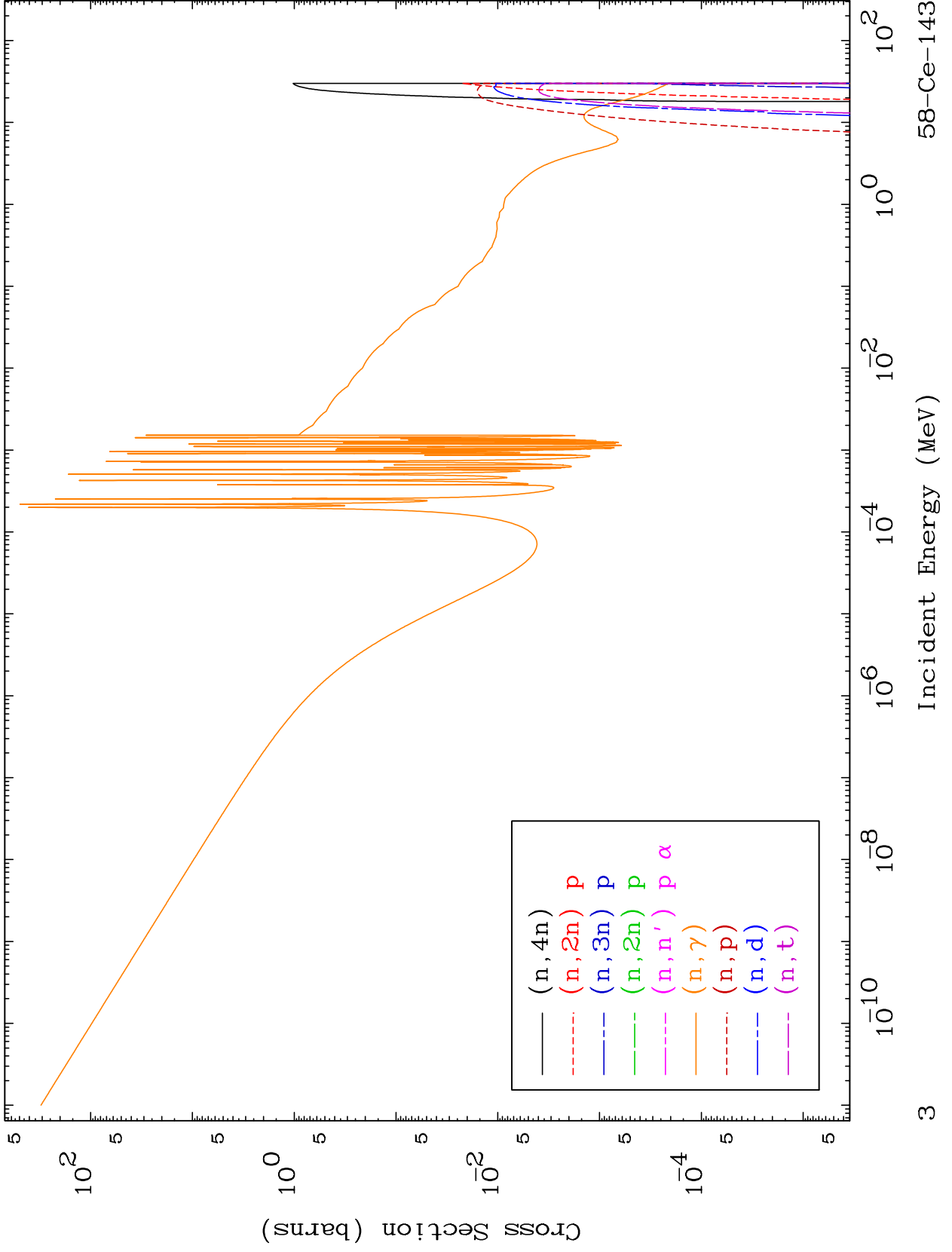
58-Ce-143

Incident Energy (MeV)

MAT 5846

Neutron Absorption
293 Kelvin Cross Sections

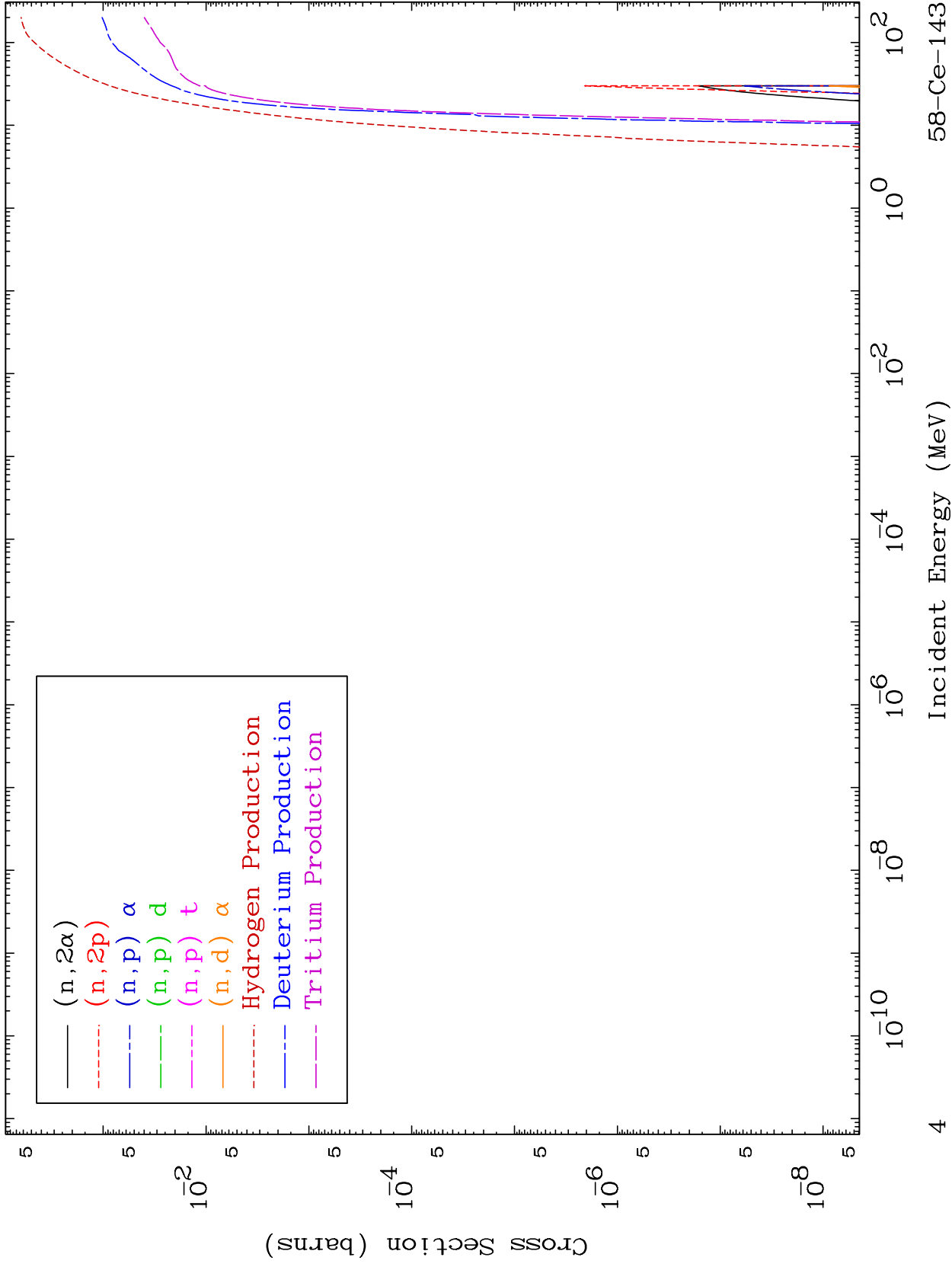
58-Ce-143



MAT 5846

Neutron Absorption
293 Kelvin Cross Sections

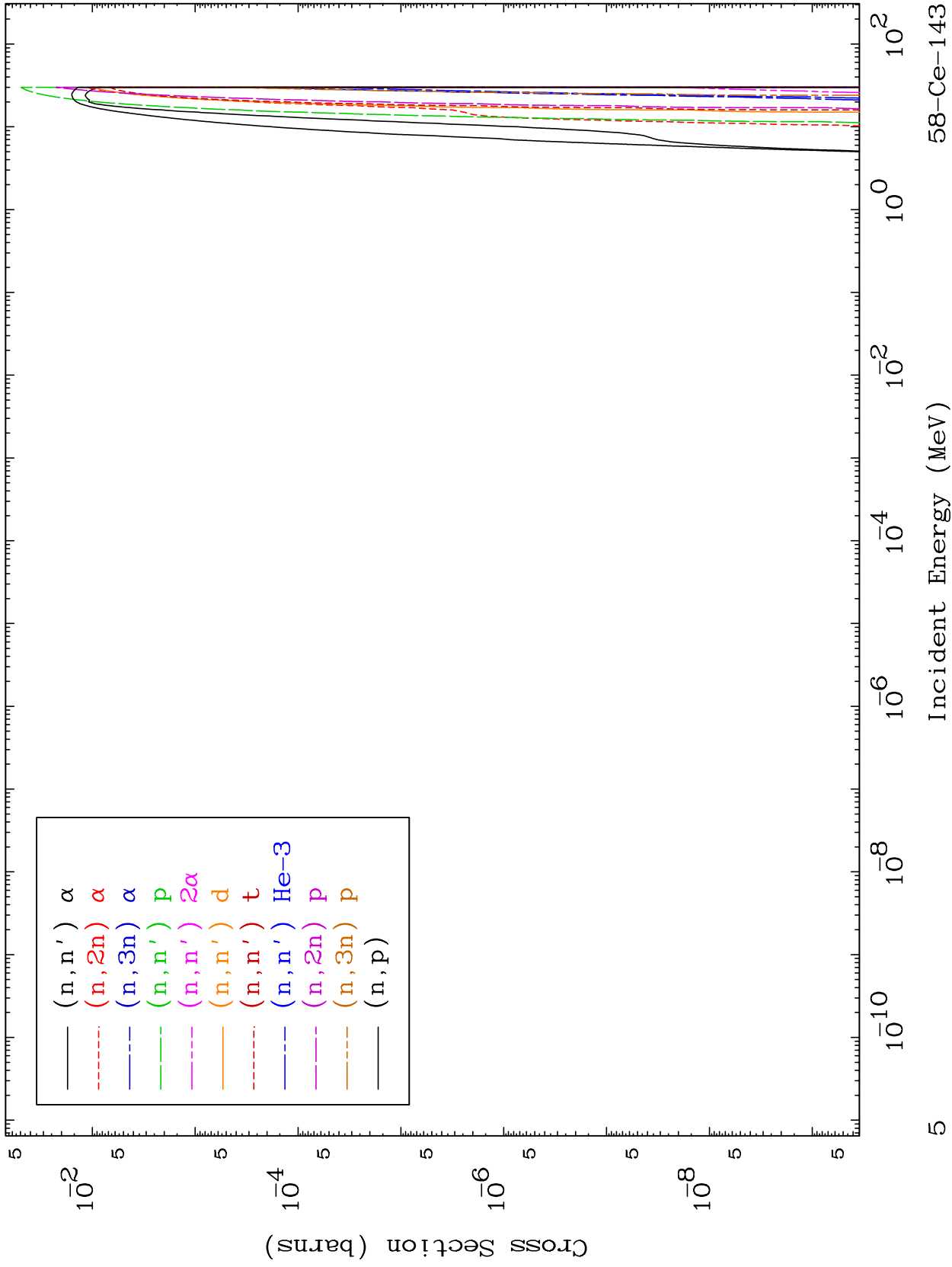
58-Ce-143



MAT 5846

Charged Particle
293 Kelvin Cross Sections

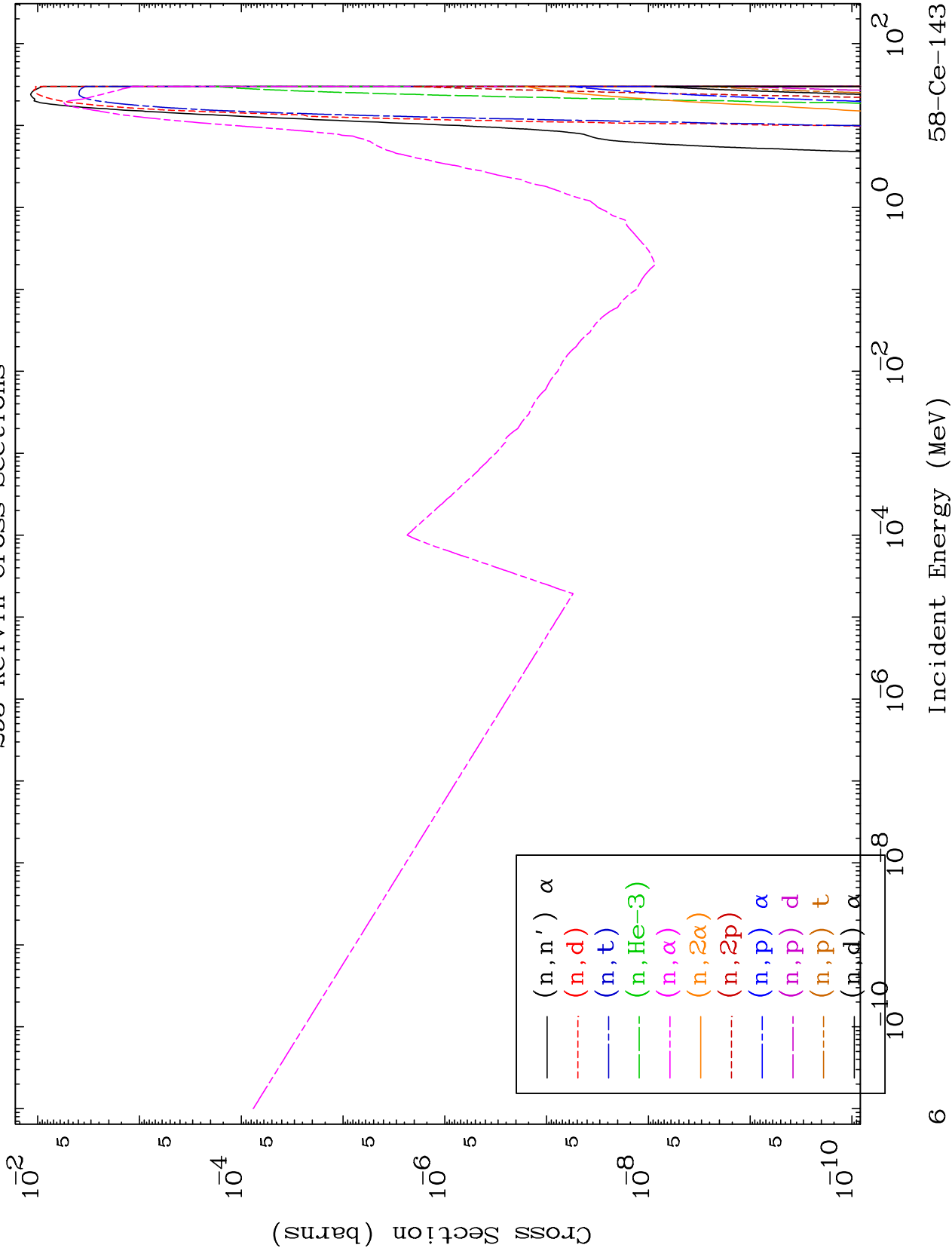
58-Ce-143



MAT 5846

Charged Particle
293 Kelvin Cross Sections

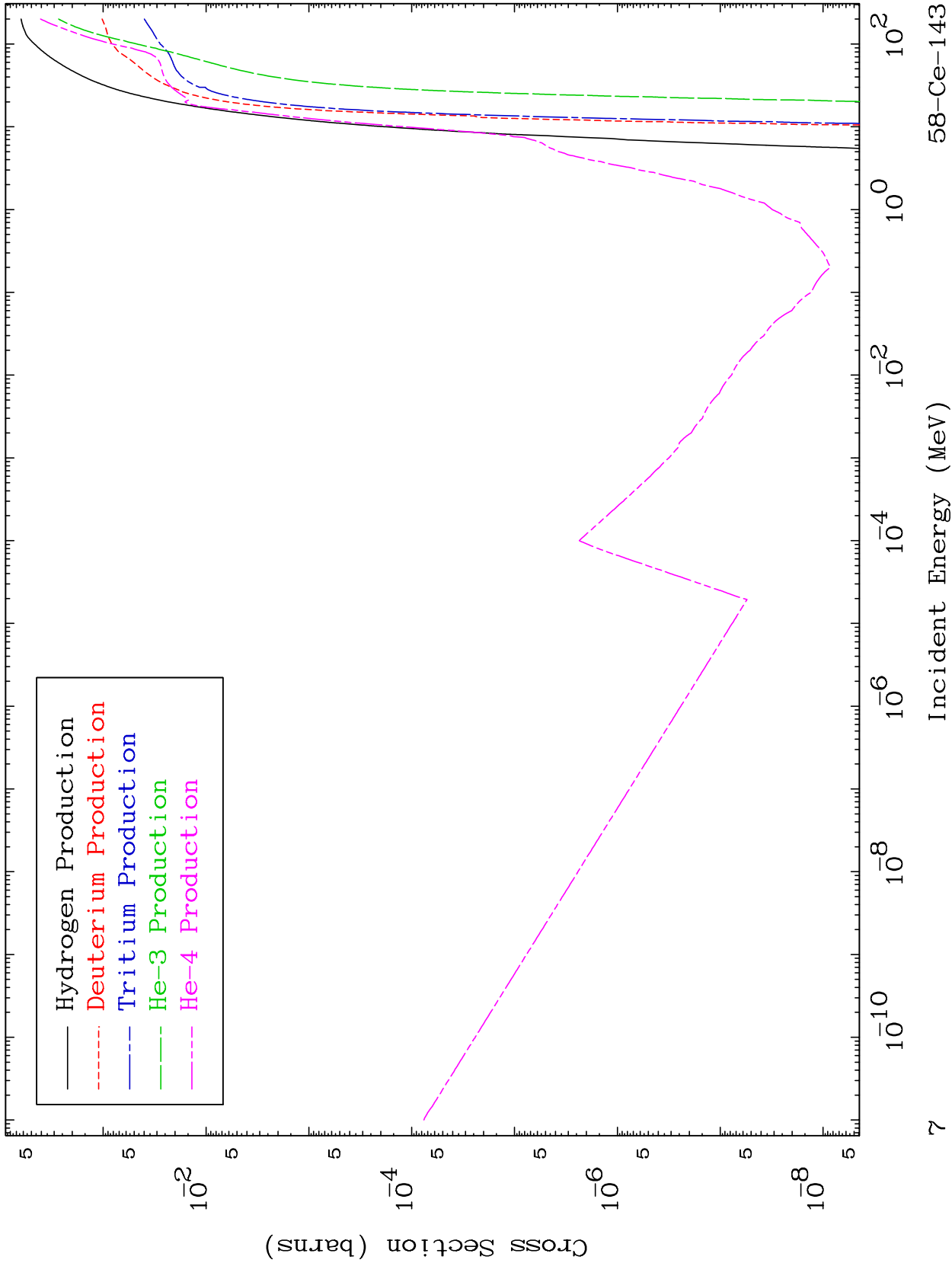
58-Ce-143



MAT 5846

Particle Production
293 Kelvin Cross Sections

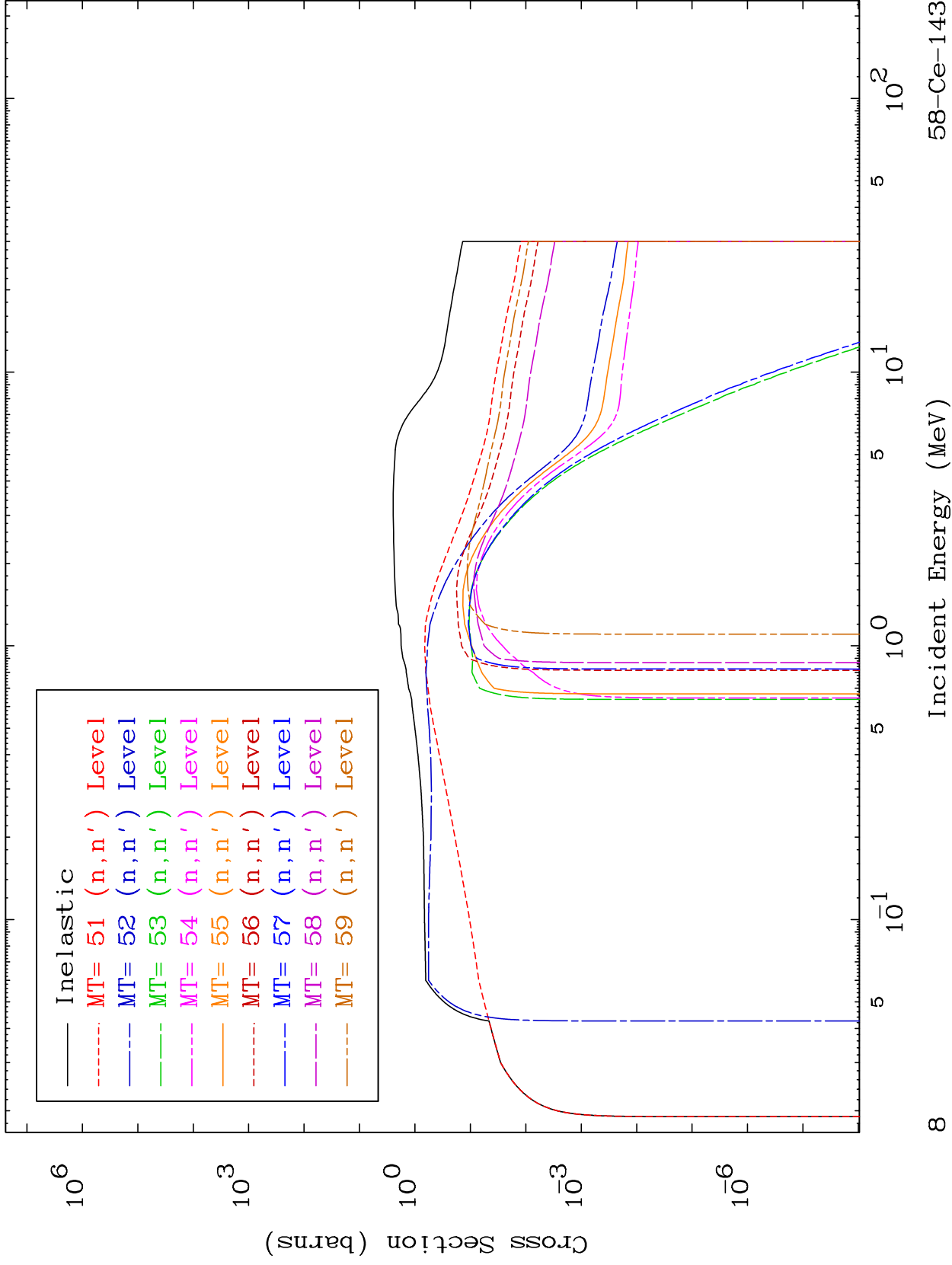
58-Ce-143



MAT 5846

(n,n') Levels
293 Kelvin Cross Sections

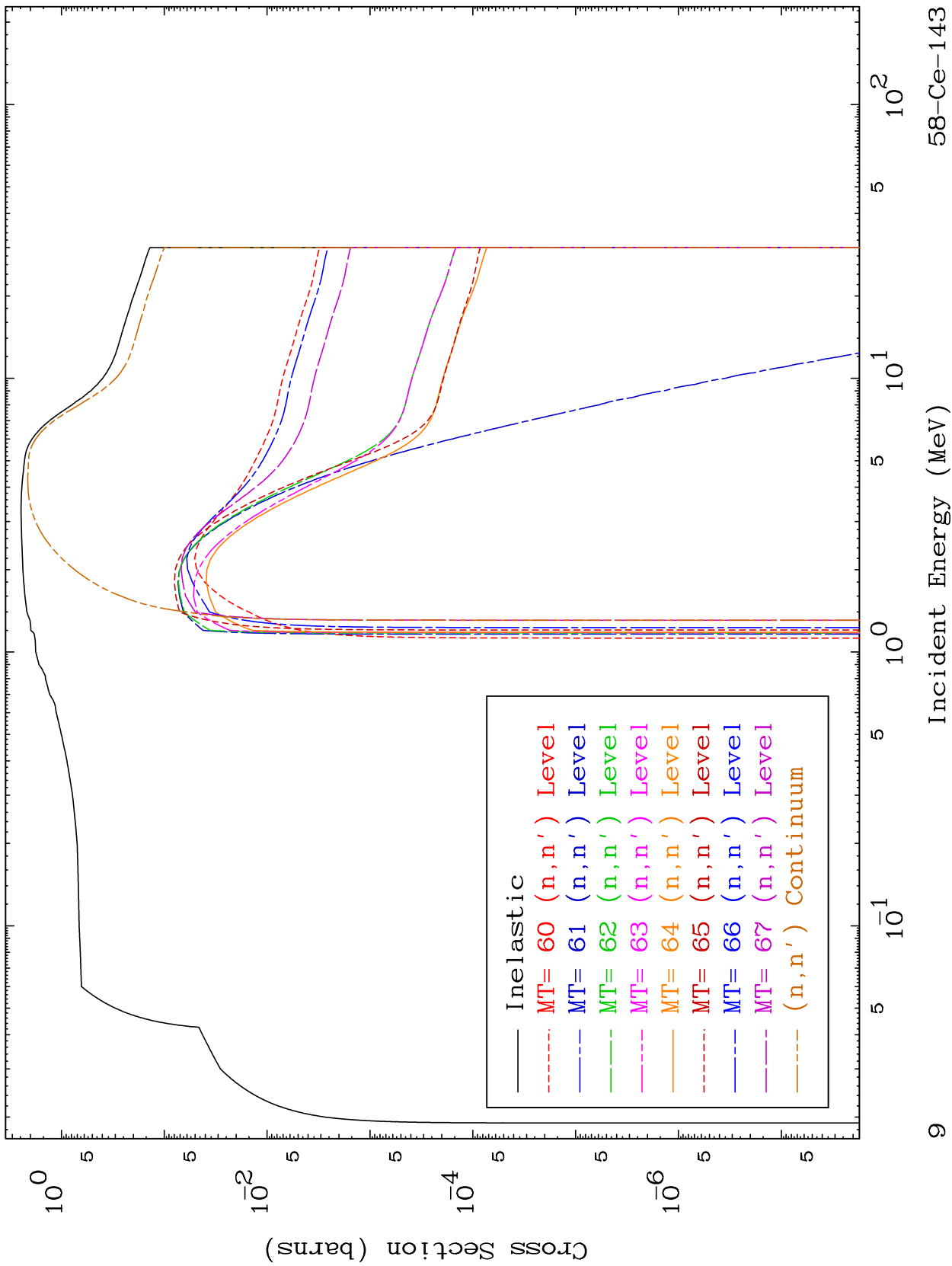
58-Ce-143



MAT 5846

58-Ce-143

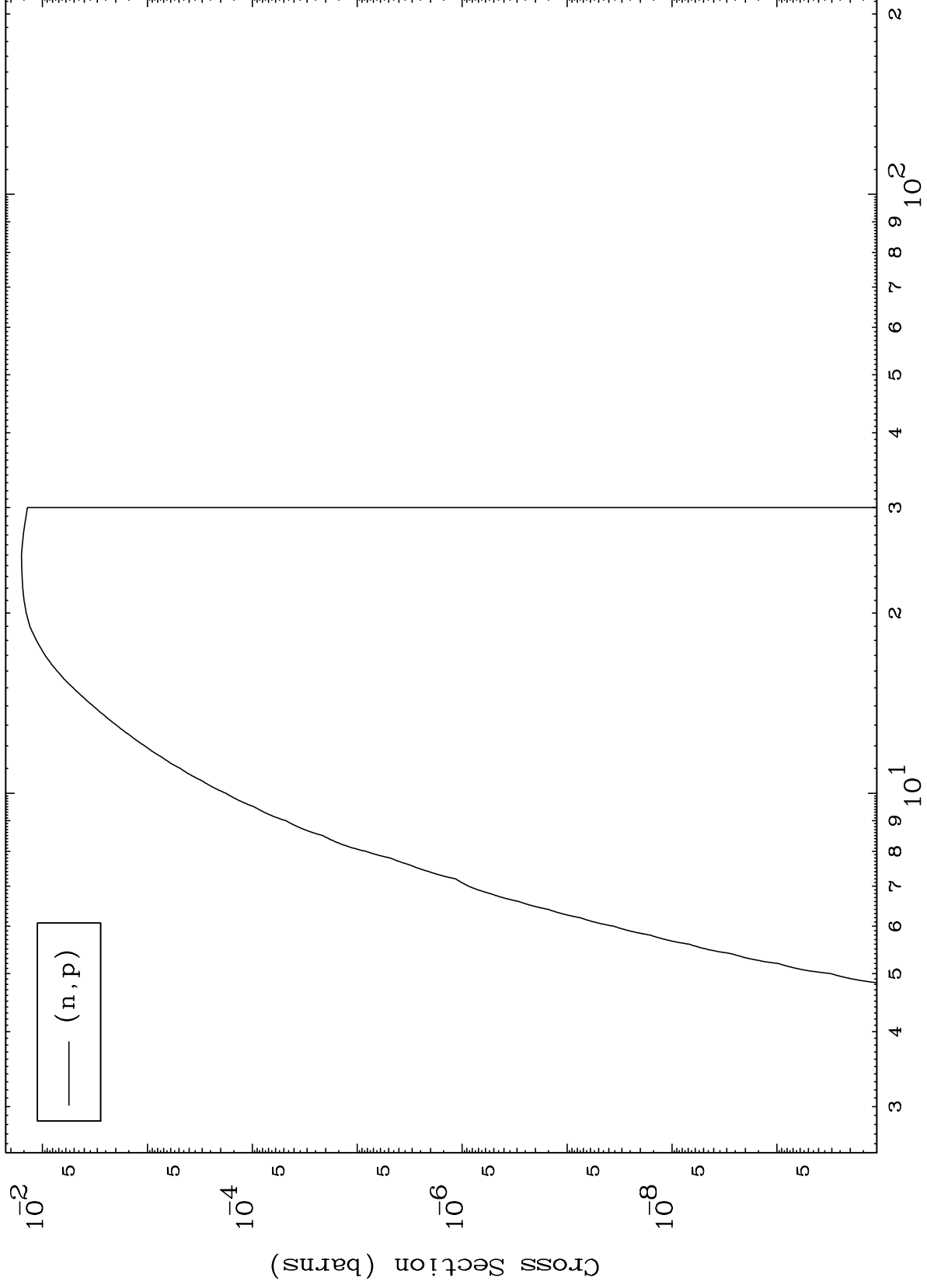
293 Kelvin Cross Sections
(n,n') Levels



MAT 5846

(n,p) Levels
293 Kelvin Cross Sections

58-Ce-143



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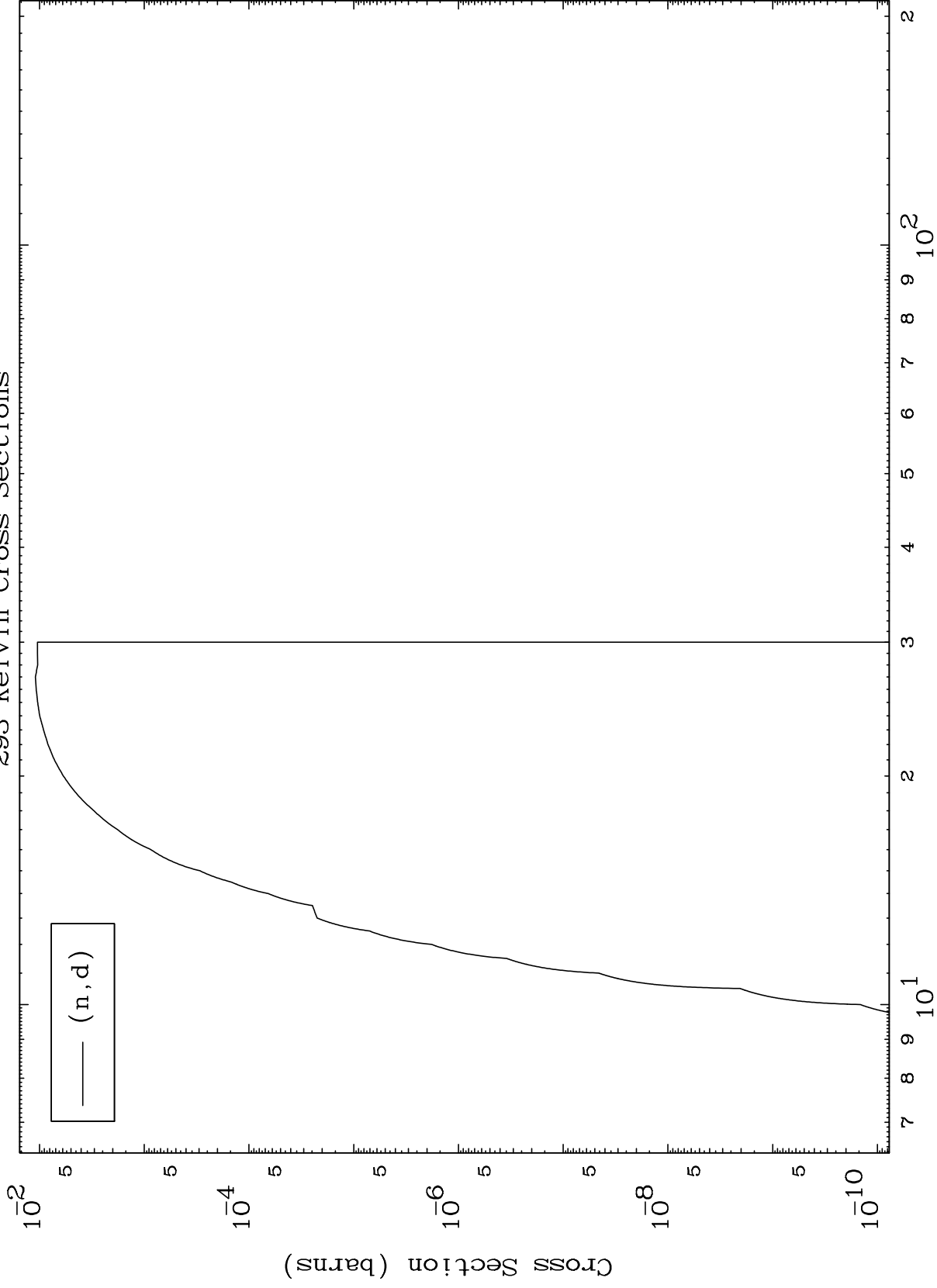
Incident Energy (MeV)

58-Ce-143

MAT 5846

(n,d) Levels
293 Kelvin Cross Sections

58-Ce-143



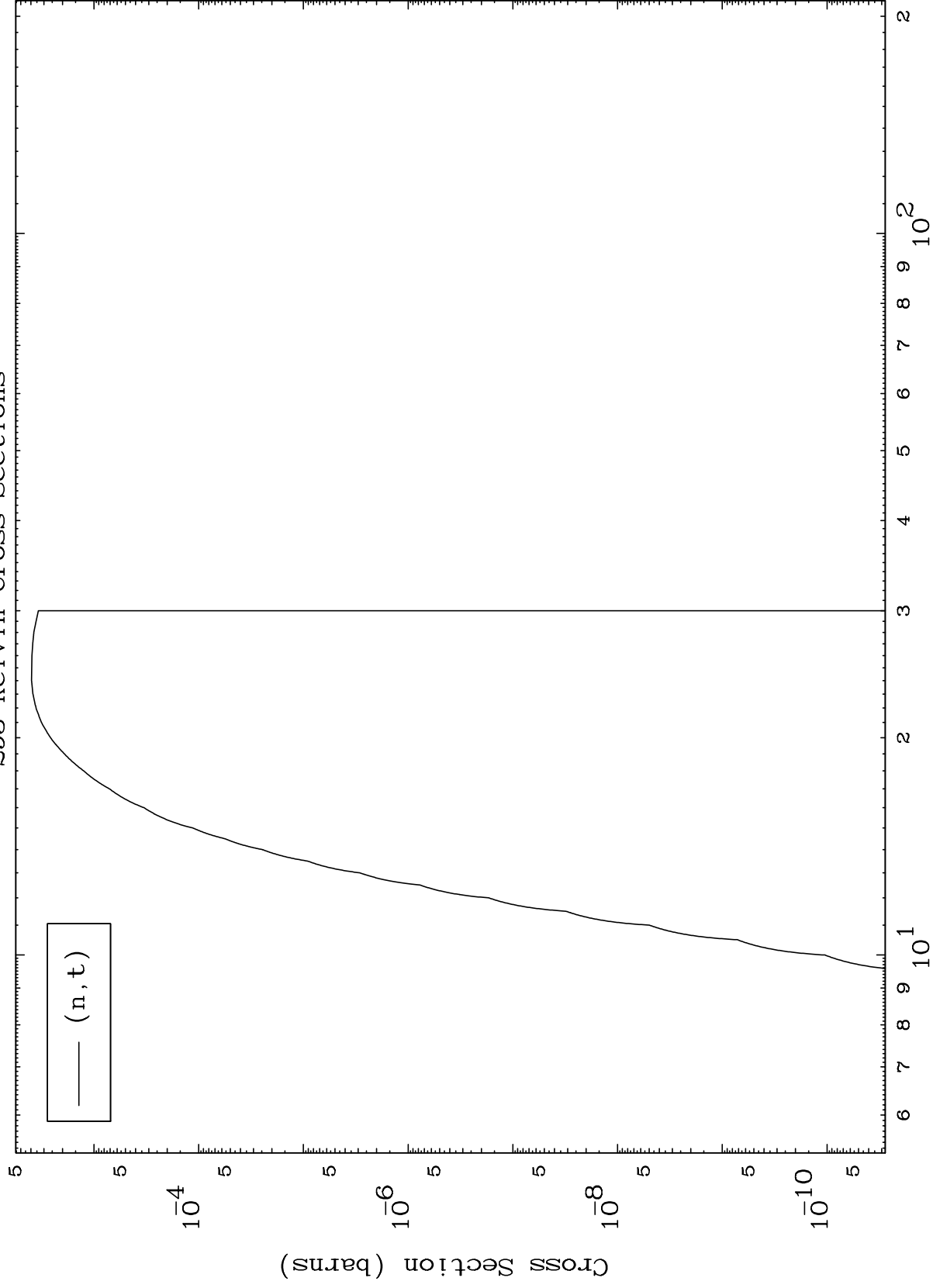
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58-Ce-143

MAT 5846

(n,t) Levels
293 Kelvin Cross Sections

58-Ce-143



12

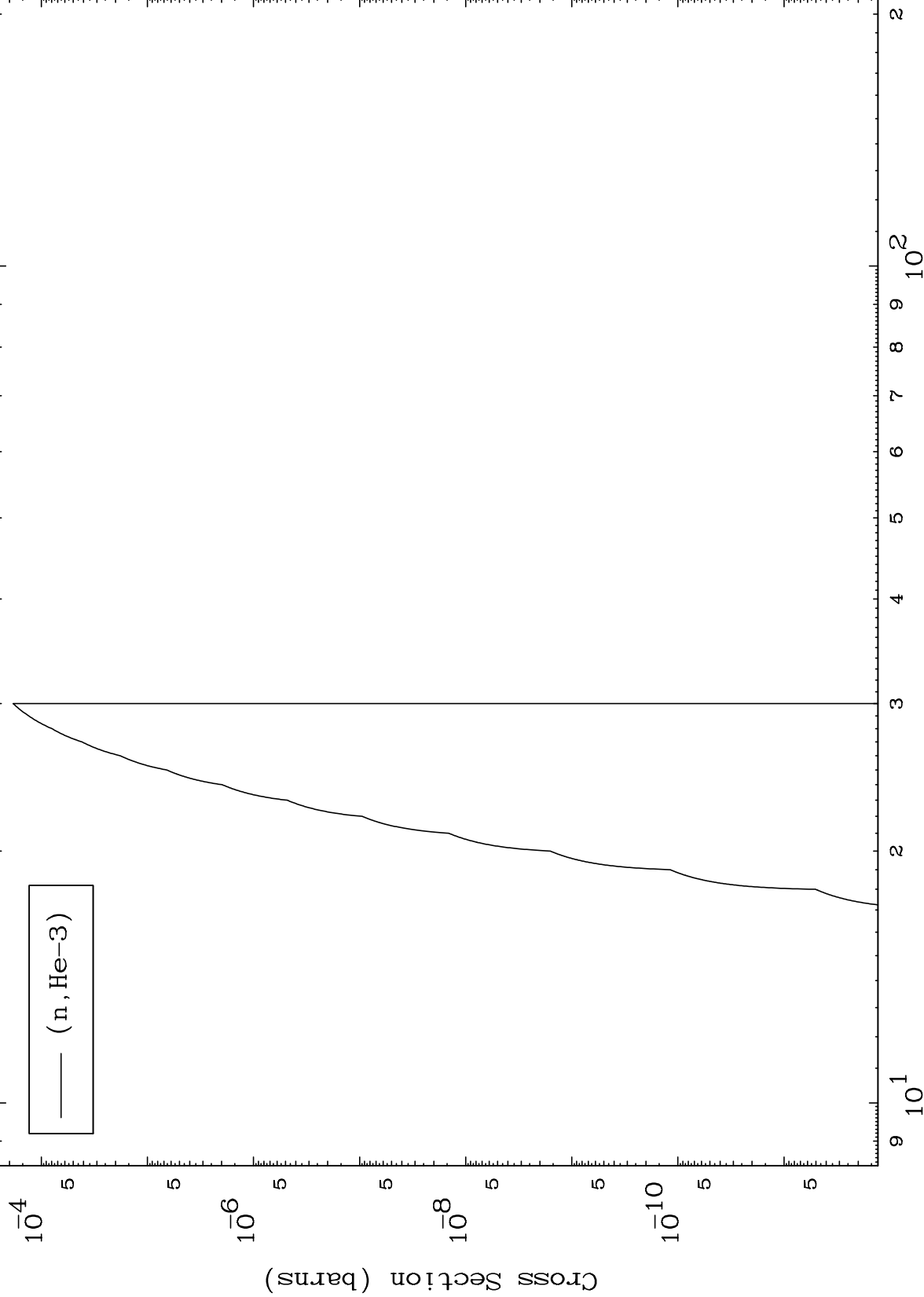
Incident Energy (MeV)

58-Ce-143

MAT 5846

(n,He3) Levels
293 Kelvin Cross Sections

58-Ce-143



13

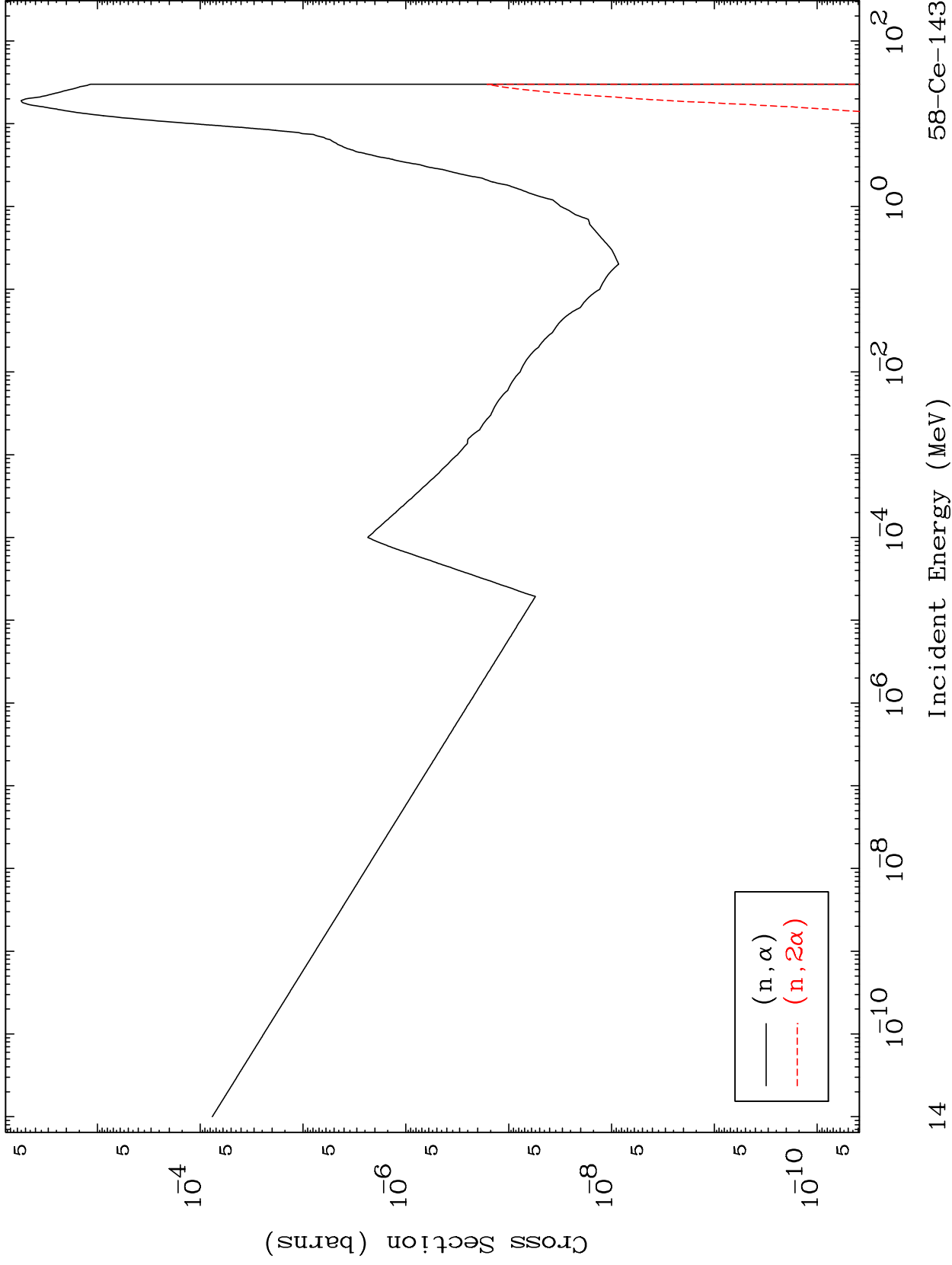
Incident Energy (MeV)

58-Ce-143

MAT 5846

(n,α) Levels
293 Kelvin Cross Sections

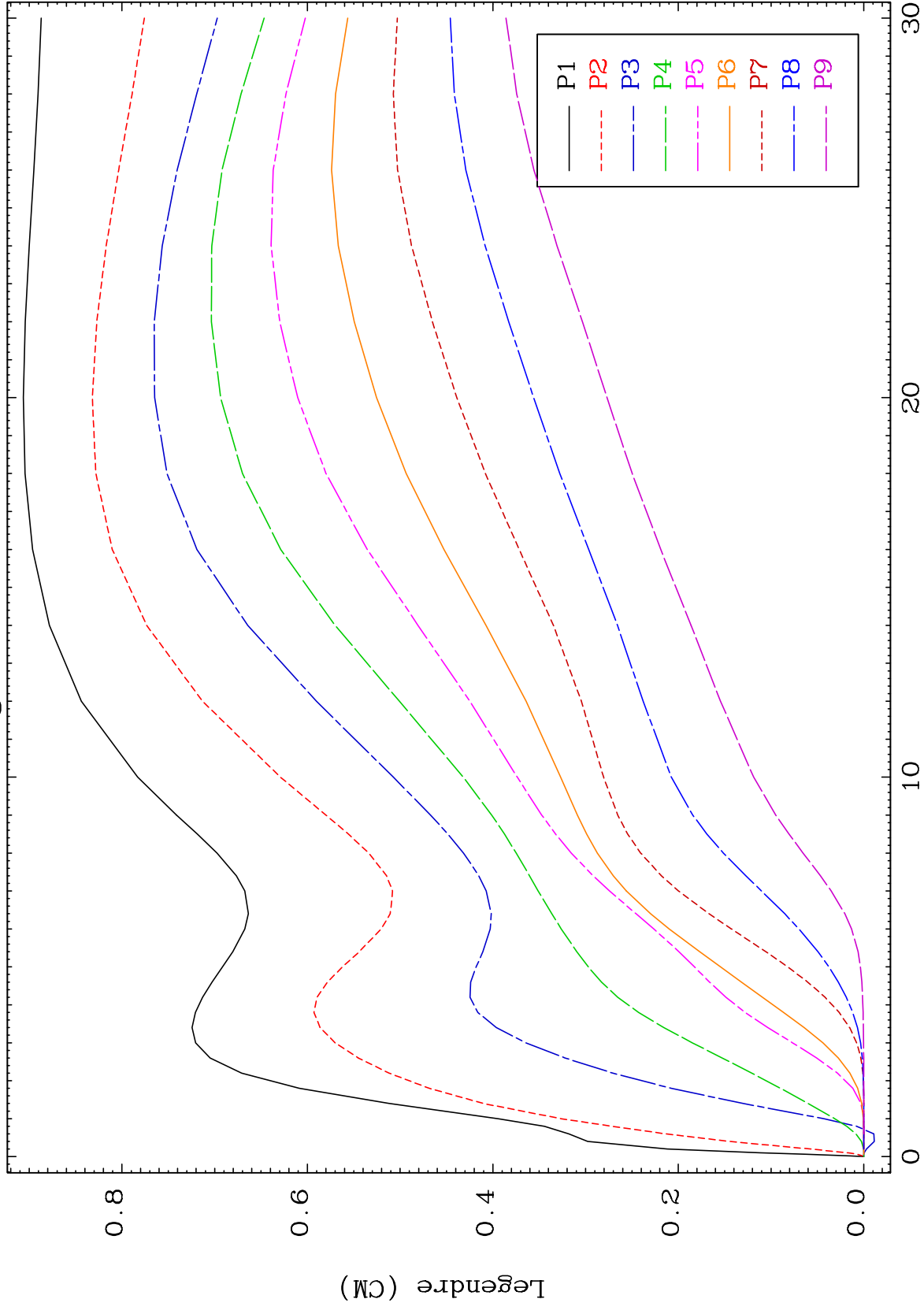
58-Ce-143



MAT 5846

Elastic Legendre Coefficients

58-Ce-143



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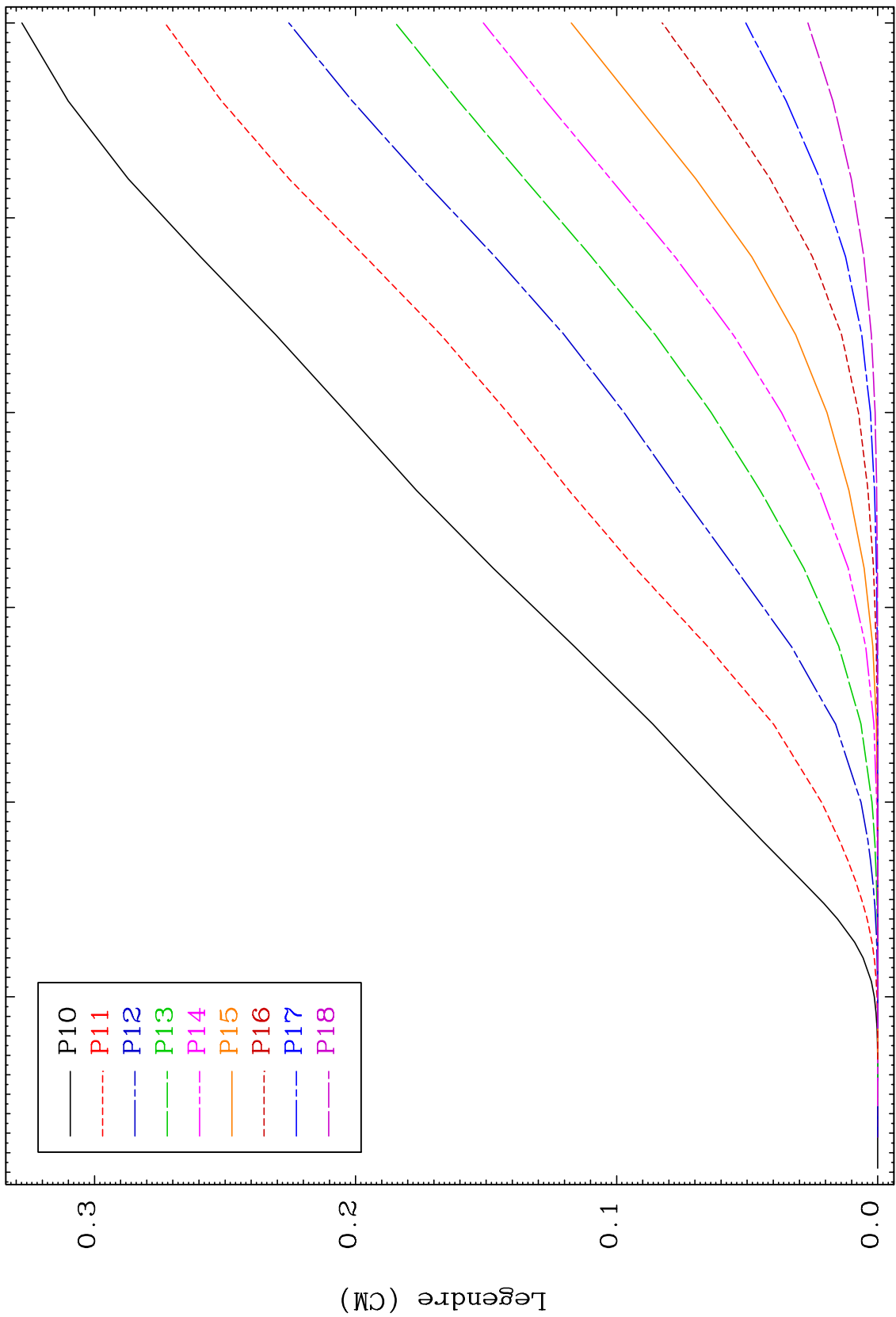
Incident Energy (MeV)

58-Ce-143

MAT 5846

Elastic Legendre Coefficients

58-Ce-143



16

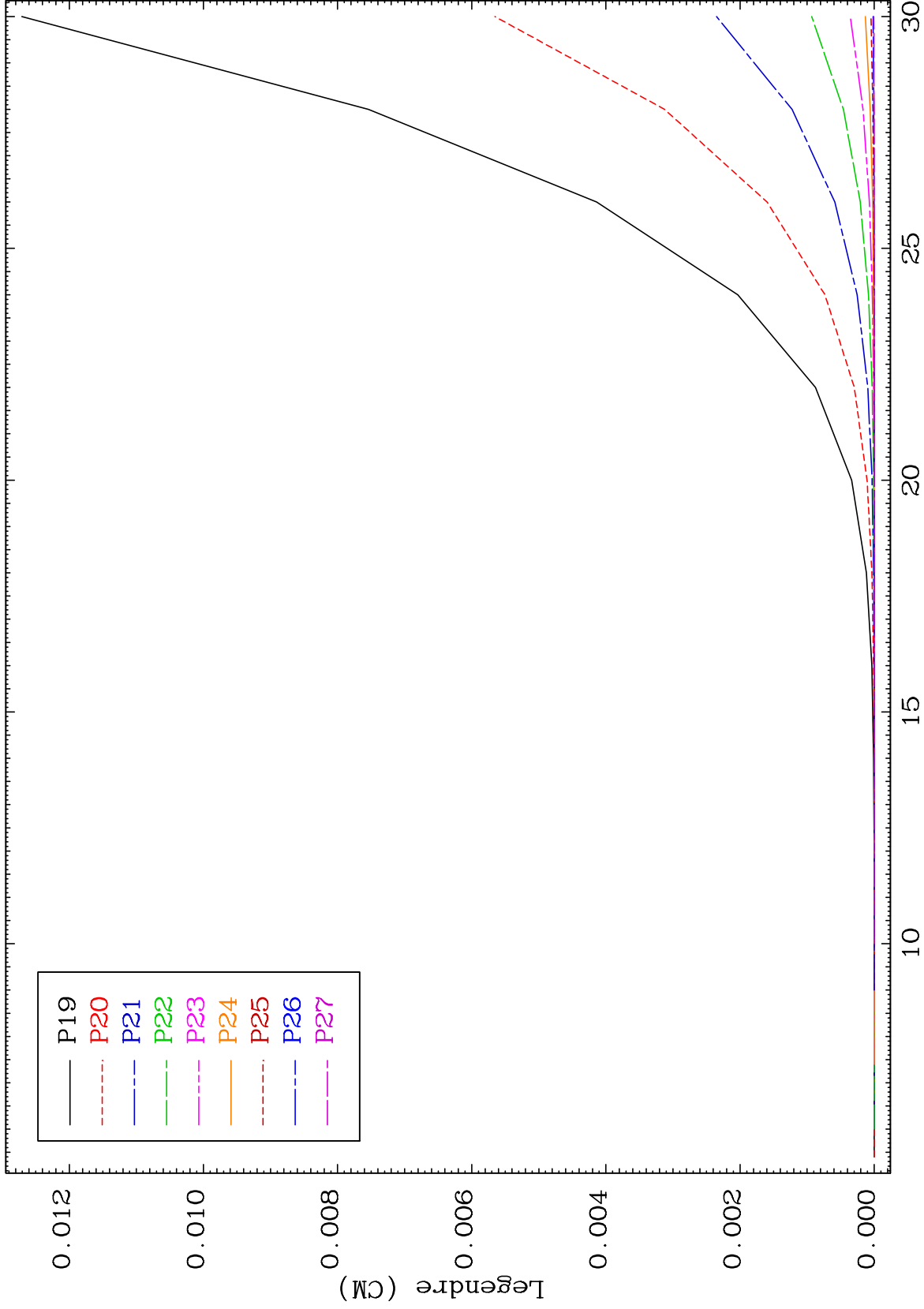
Incident Energy (MeV)

58-Ce-143

MAT 5846

Elastic Legendre Coefficients

58-Ce-143



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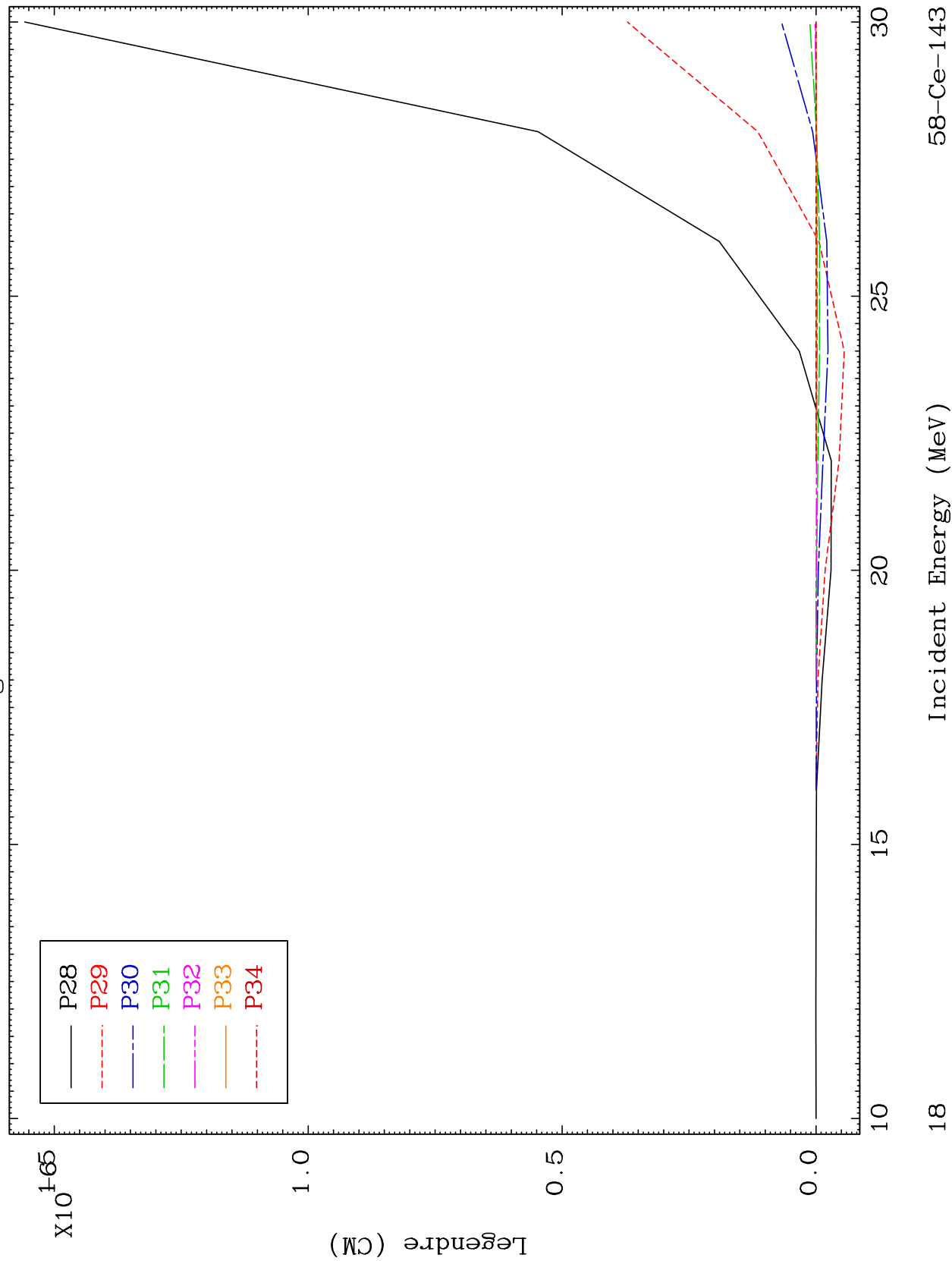
Incident Energy (MeV)

58-Ce-143

MAT 5846

Elastic
Legendre Coefficients

58-Ce-143



58-Ce-143

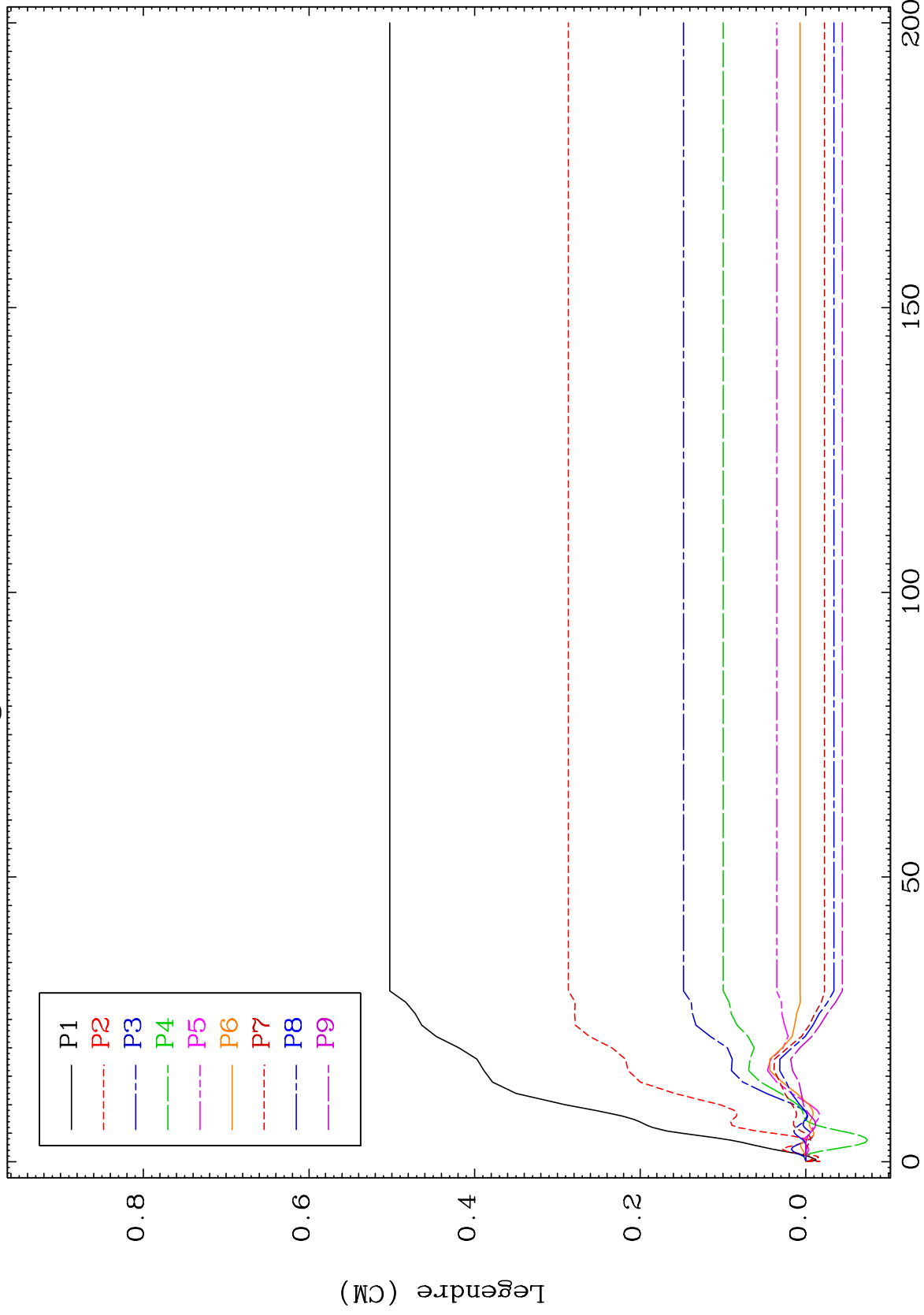
Incident Energy (MeV)

18

MAT 5846

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

58-Ce-143



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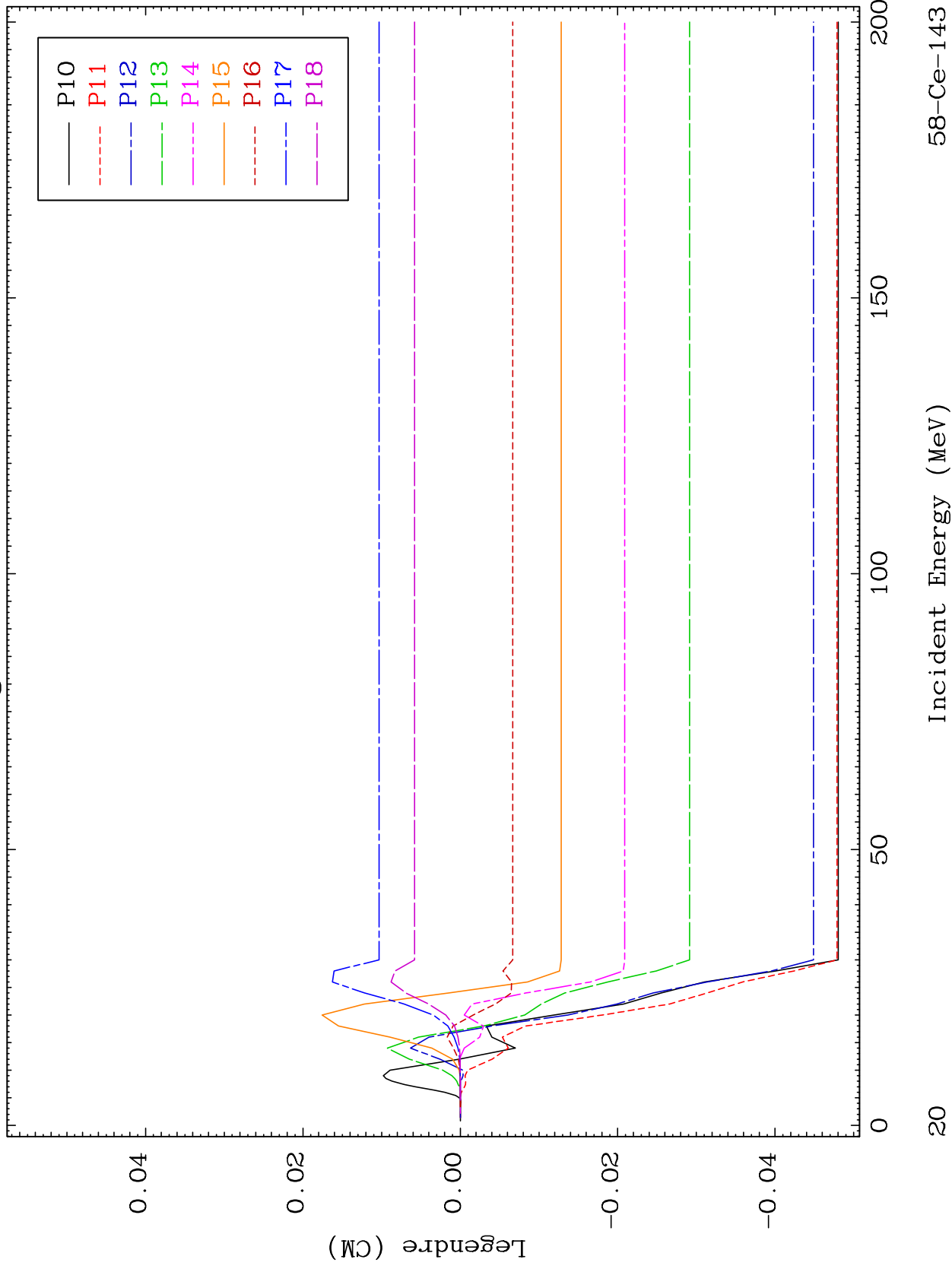
Incident Energy (MeV)

58-Ce-143

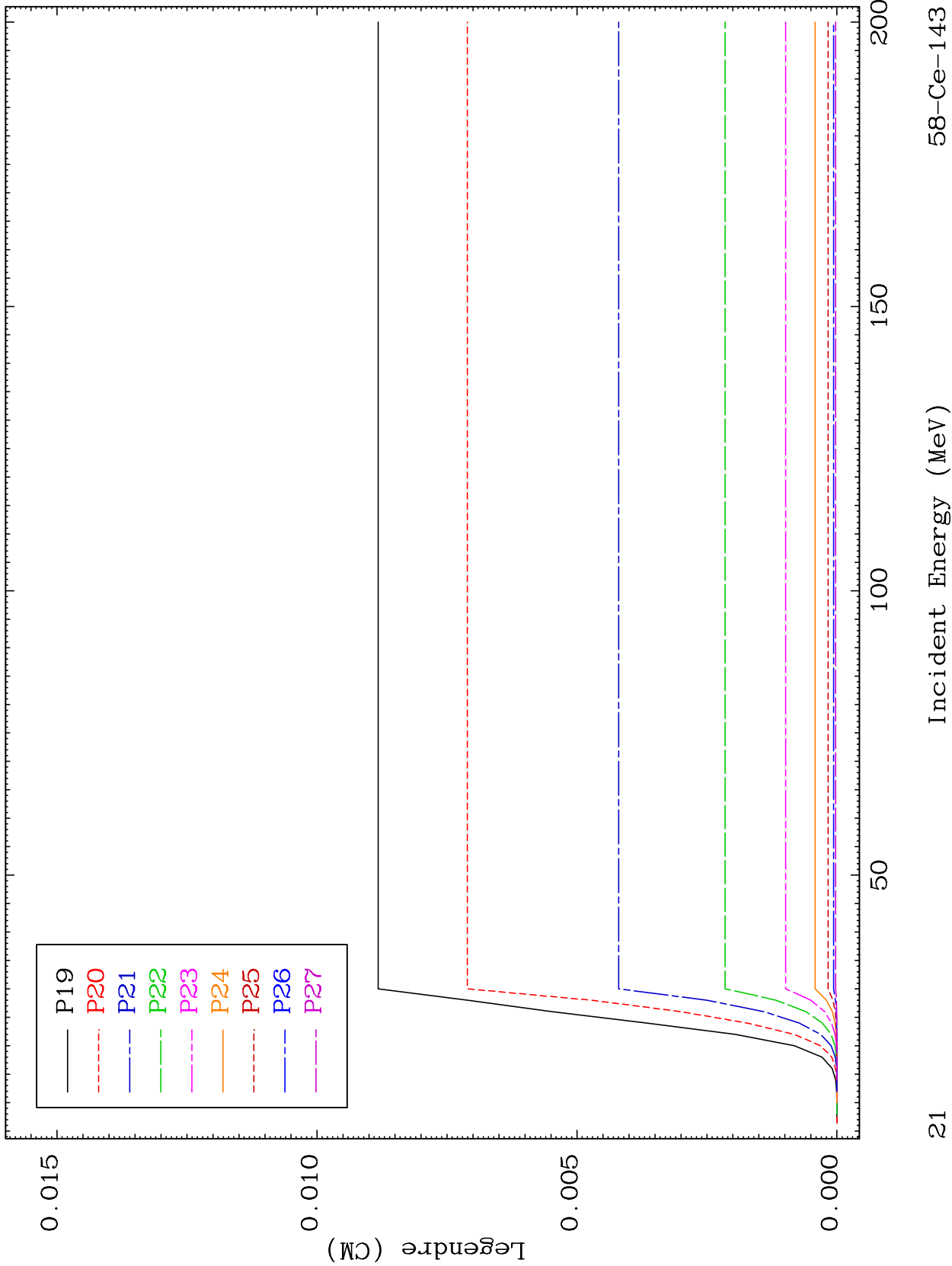
MAT 5846

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

58-Ce-143



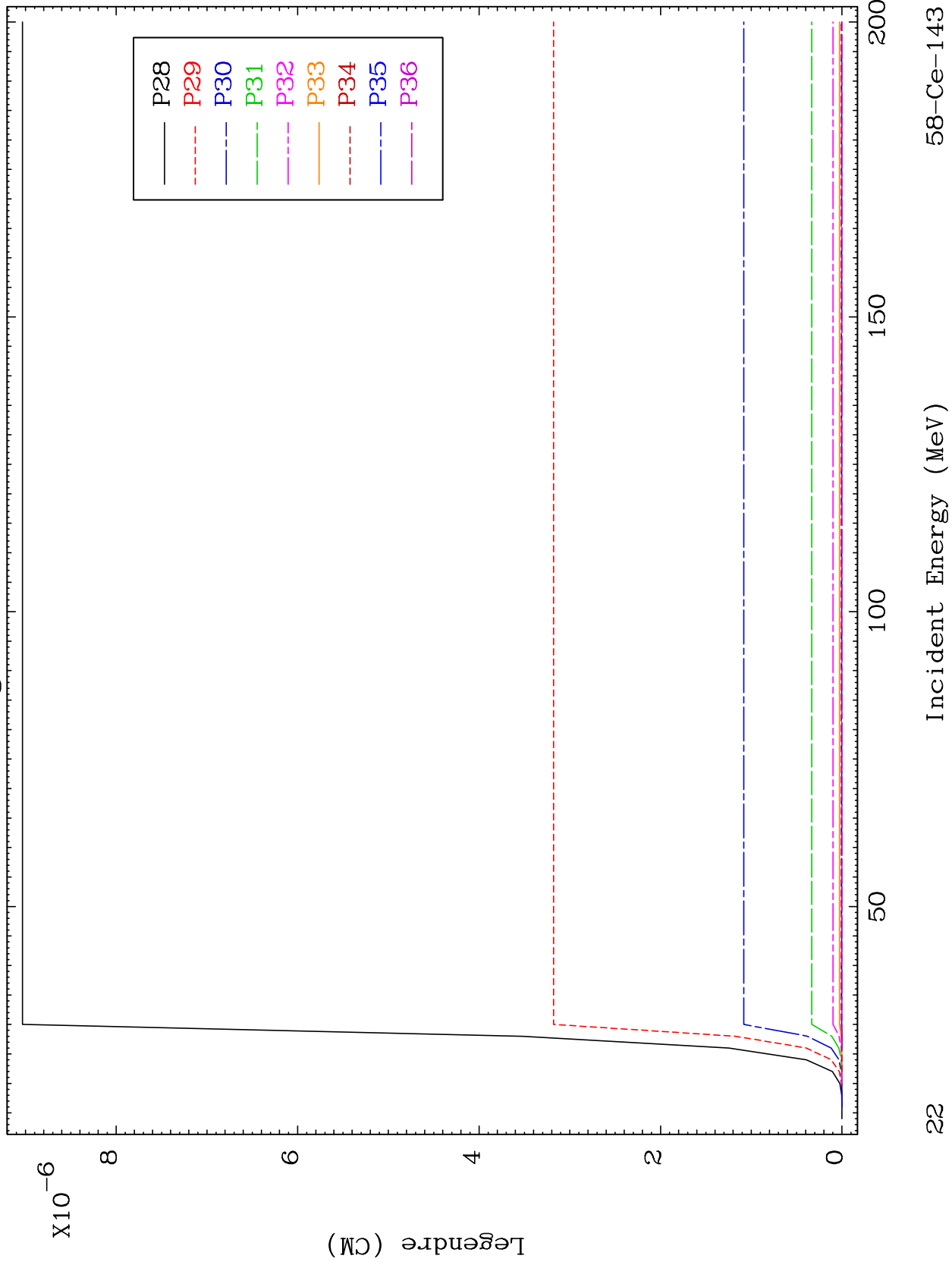
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MAT 5846

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

58-Ce-143



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Incident Energy (MeV)

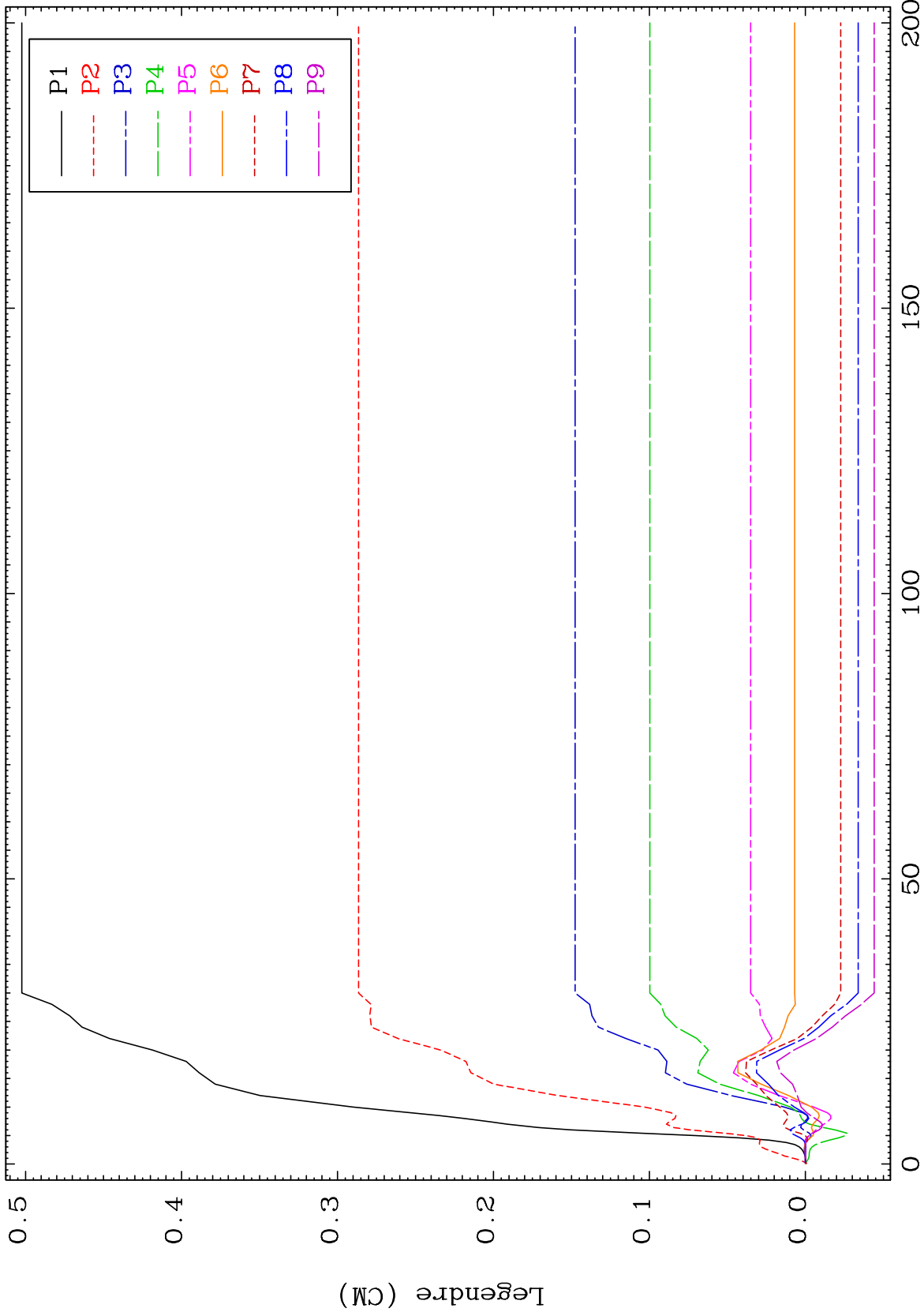
58-Ce-143

MAT 5846

MT= 52 (n,n') Level

58-Ce-143

Legendre Coefficients



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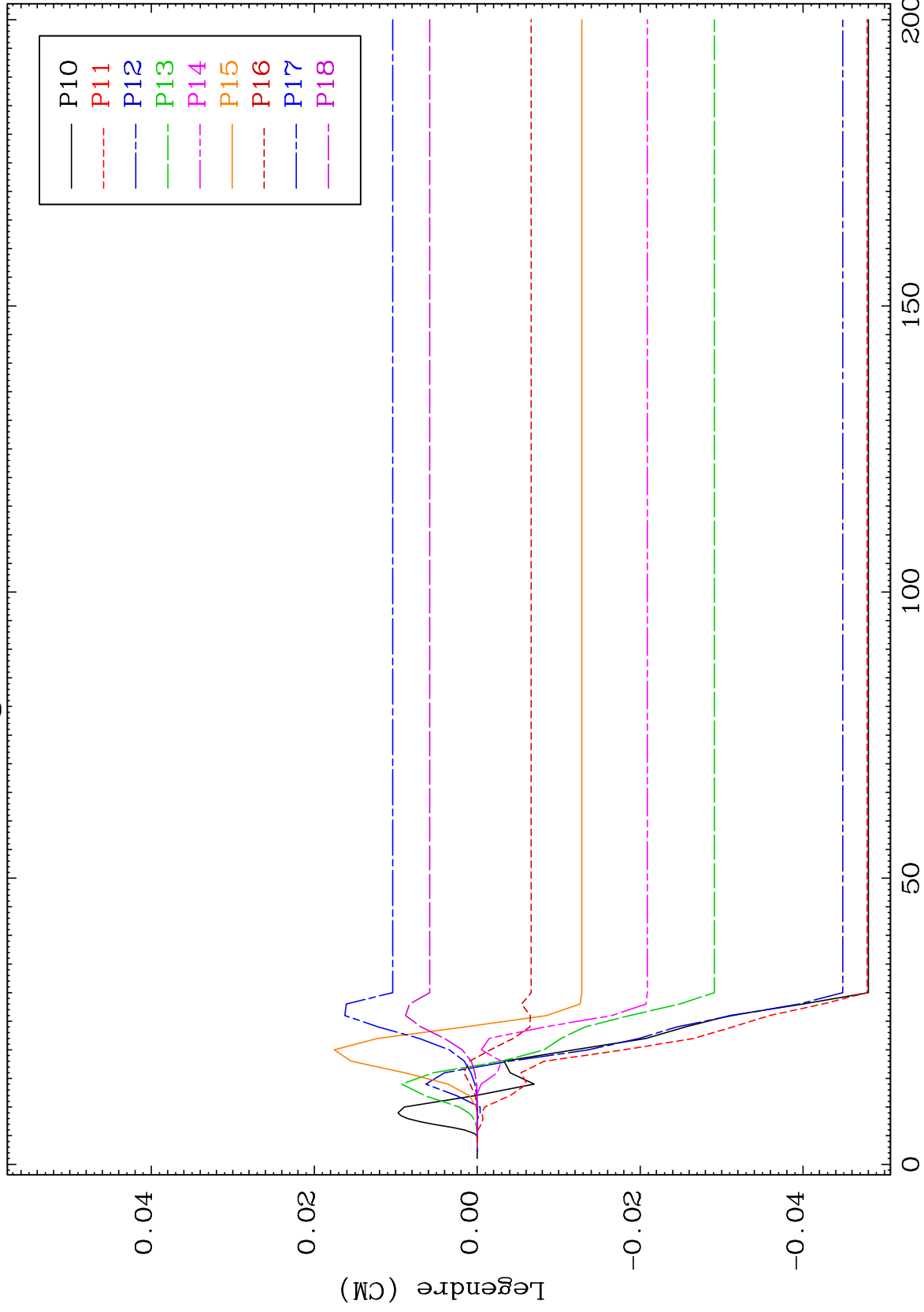
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143



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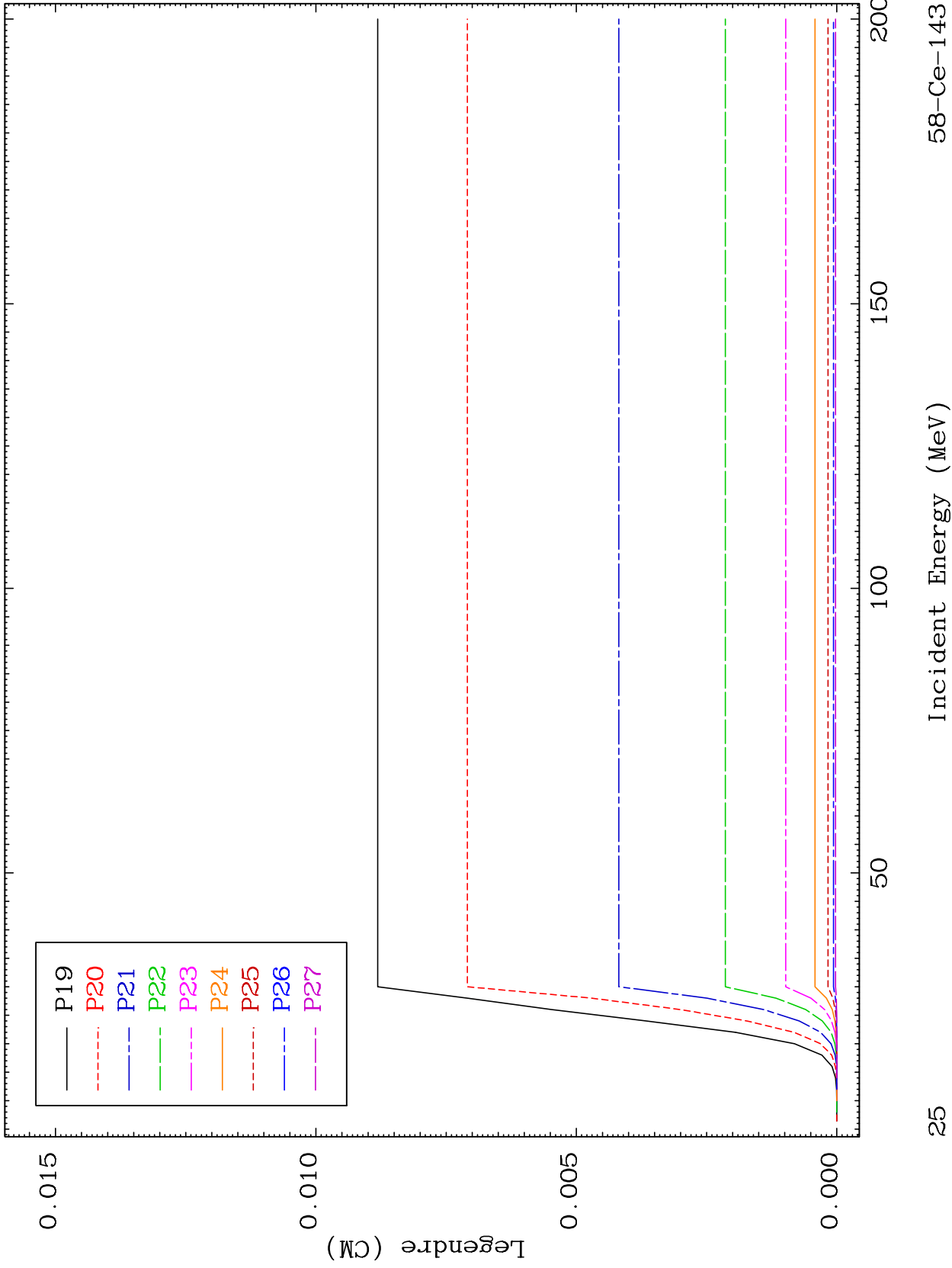
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143



58-Ce-143

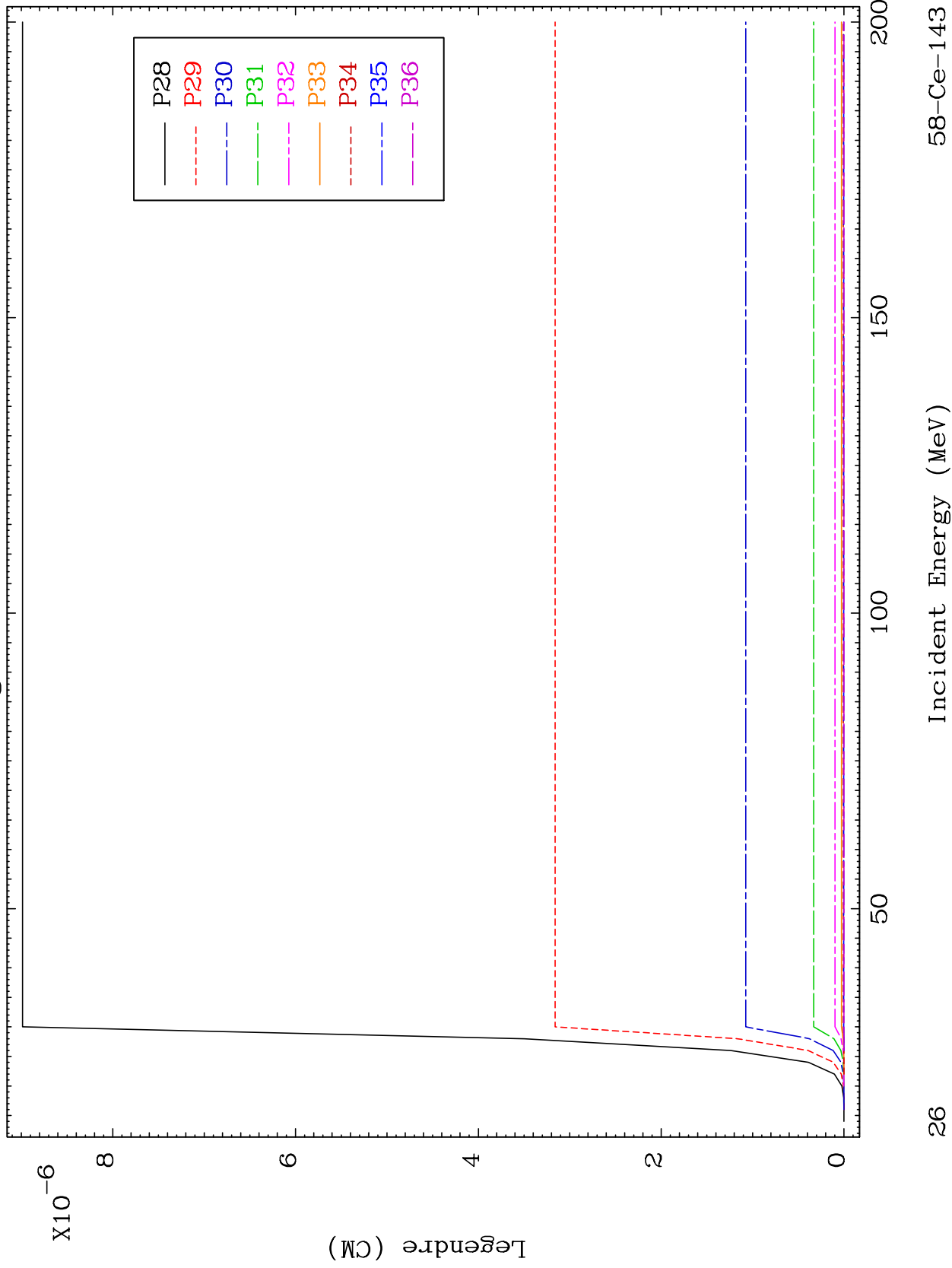
Incident Energy (MeV)

25

MAT 5846

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

58-Ce-143



26

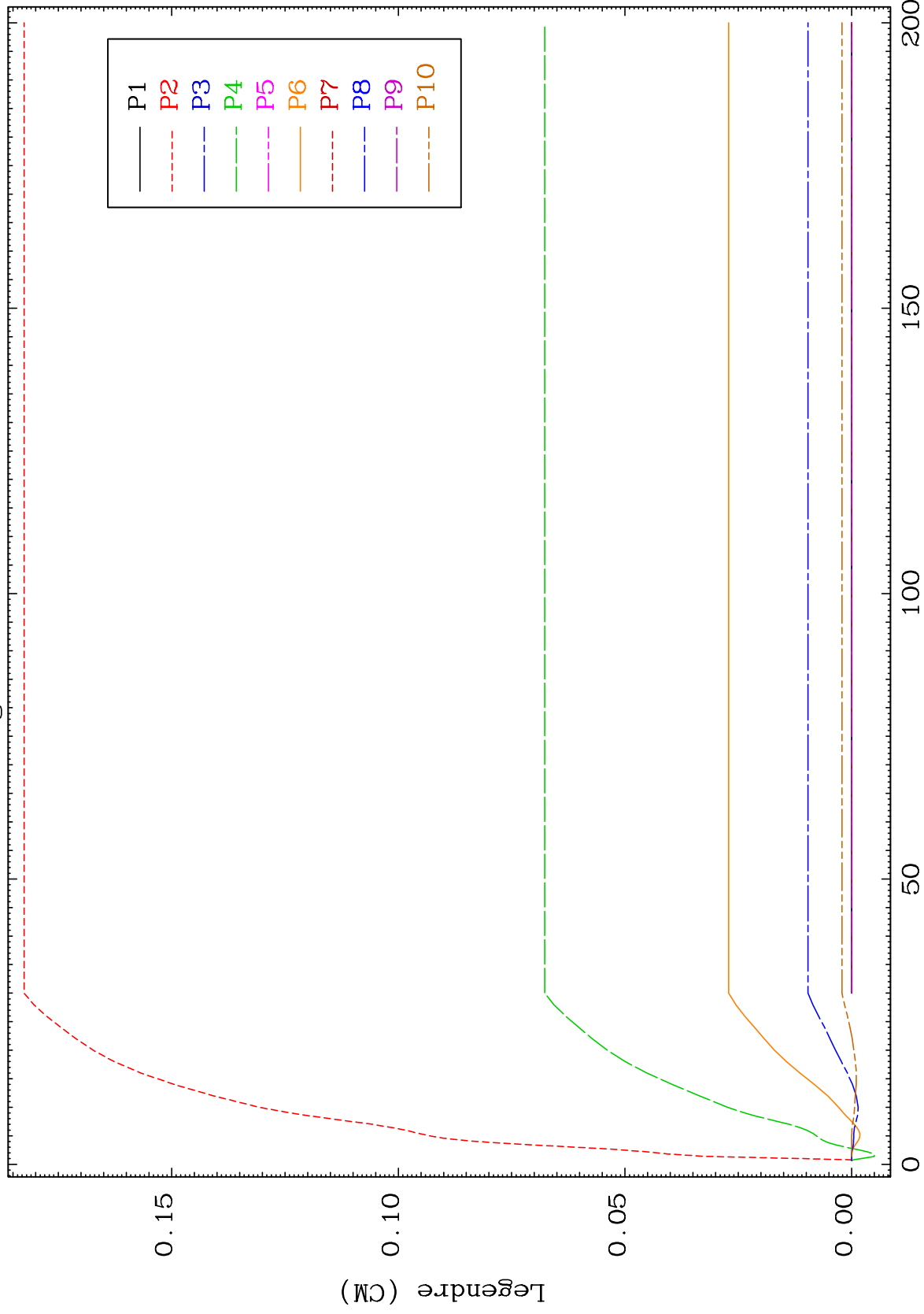
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143



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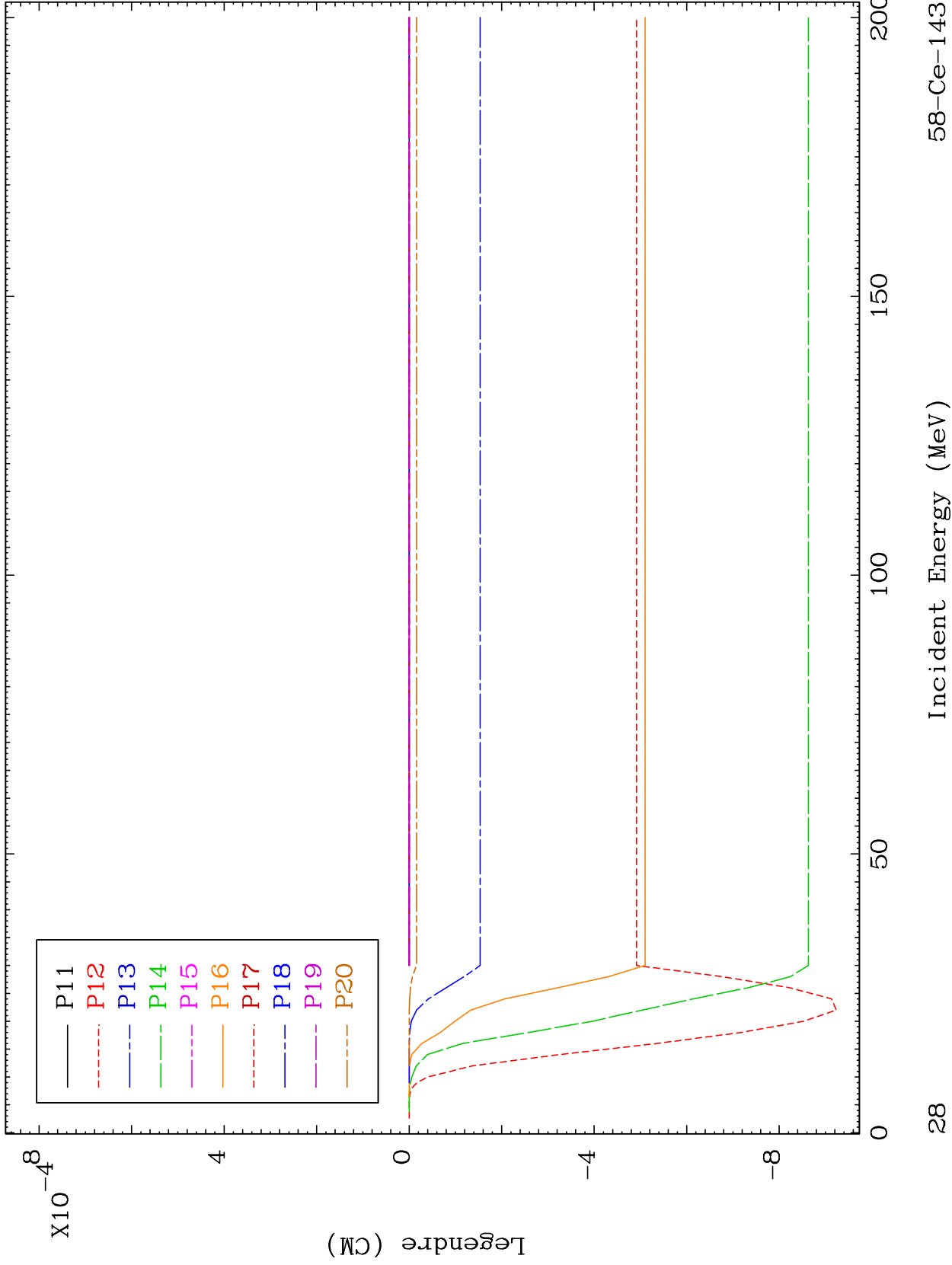
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143



58-Ce-143

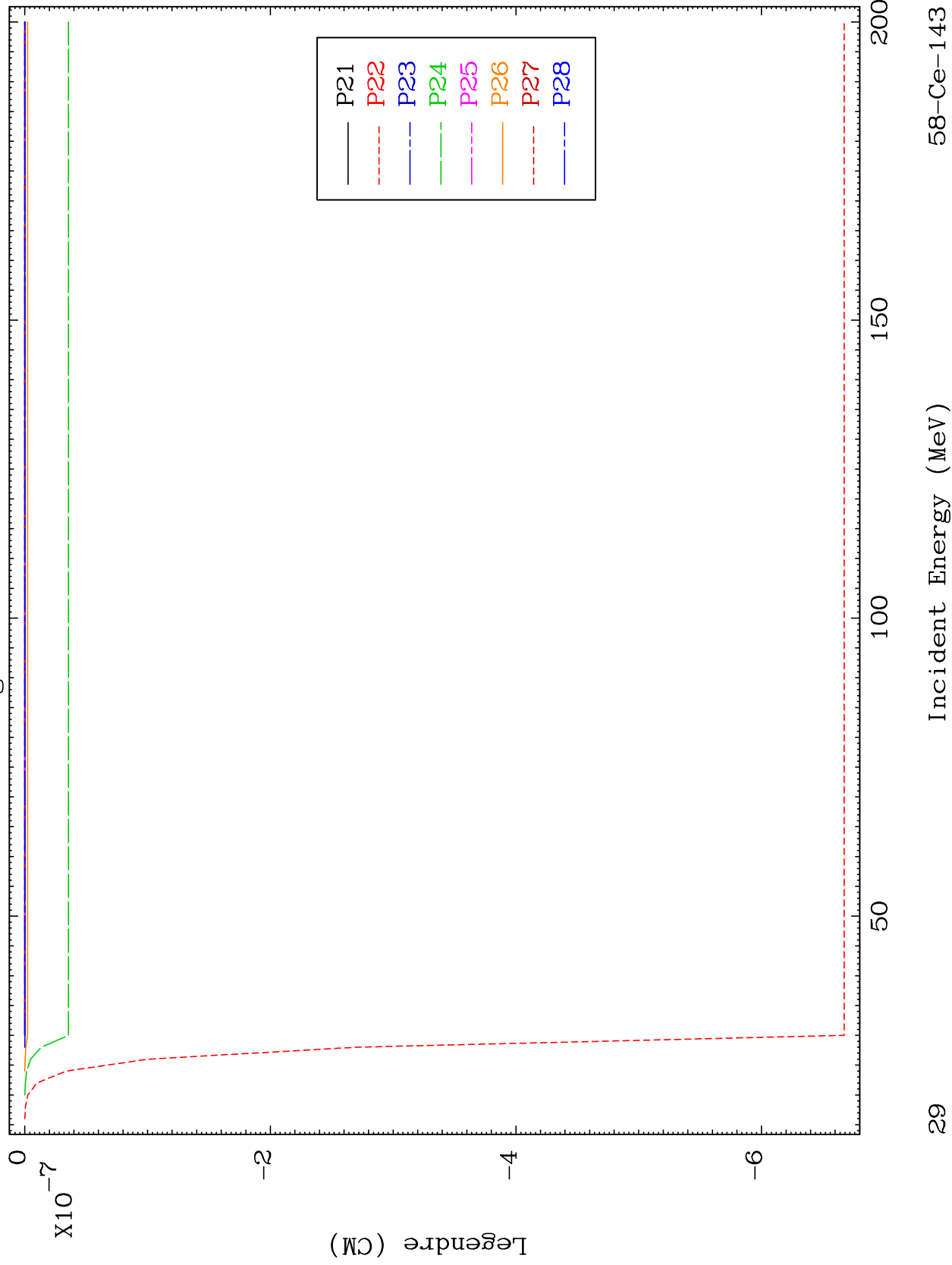
Incident Energy (MeV)

28

MAT 5846

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

58-Ce-143



29

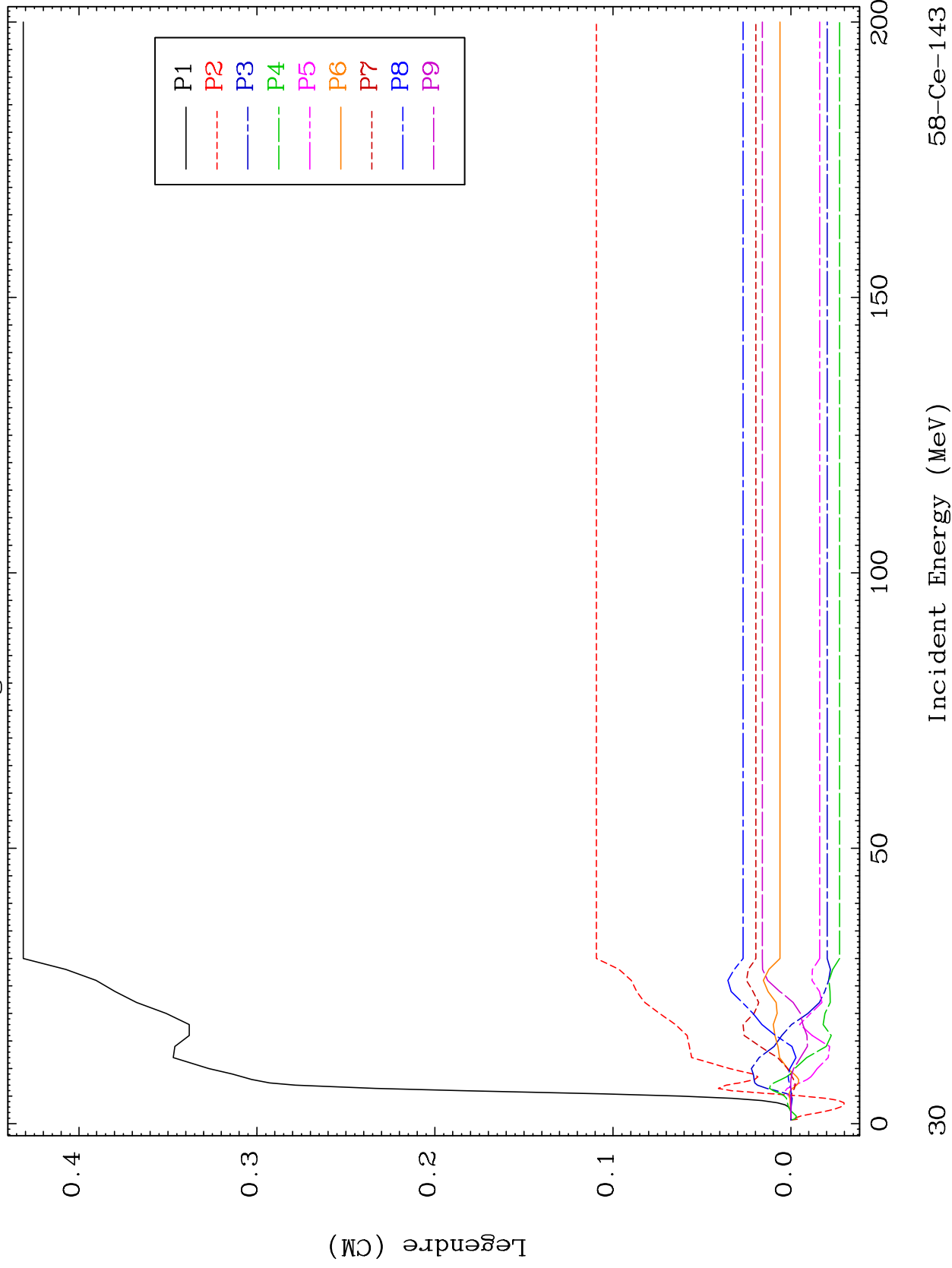
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143

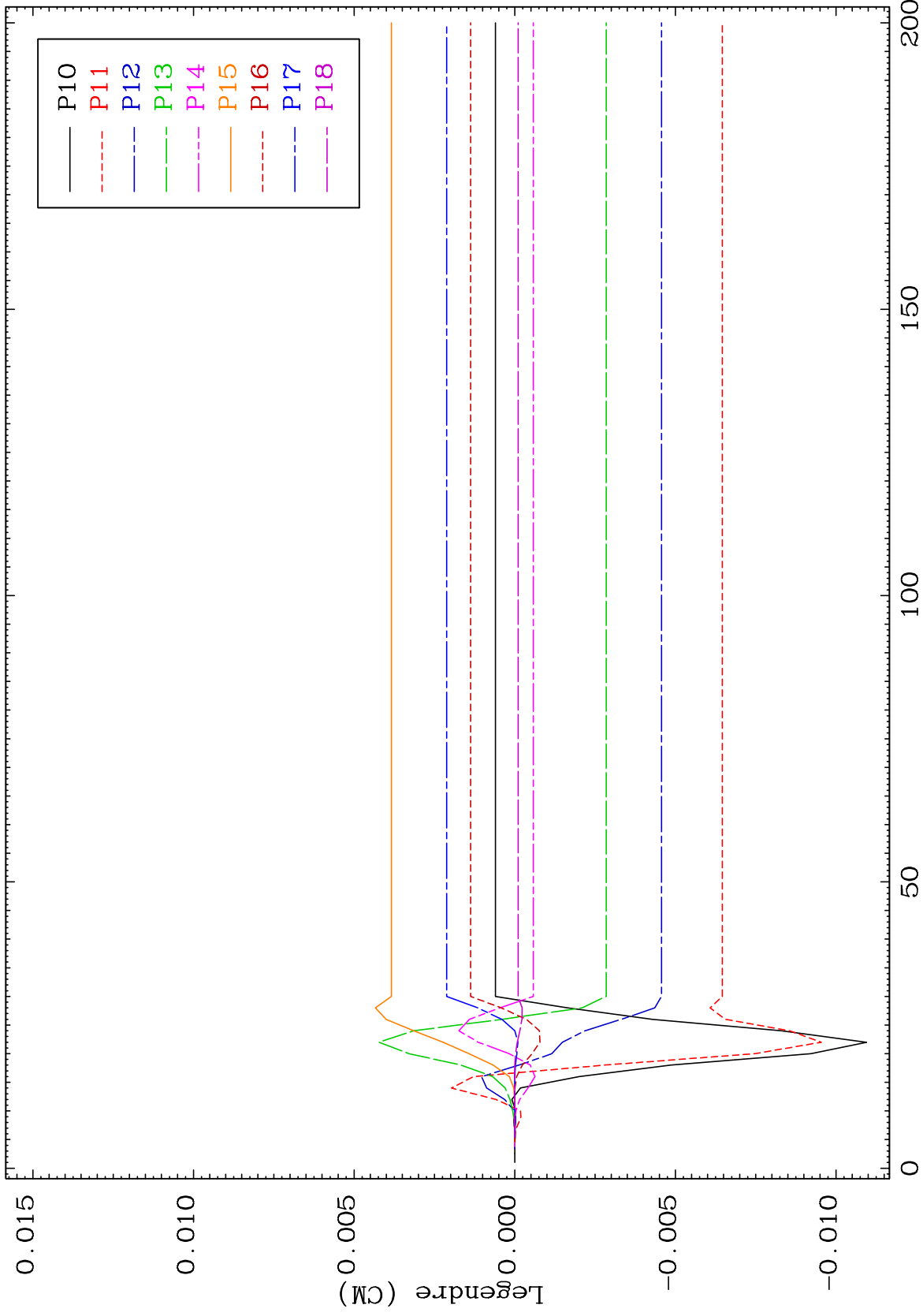


58-Ce-143

MAT 5846

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

58-Ce-143



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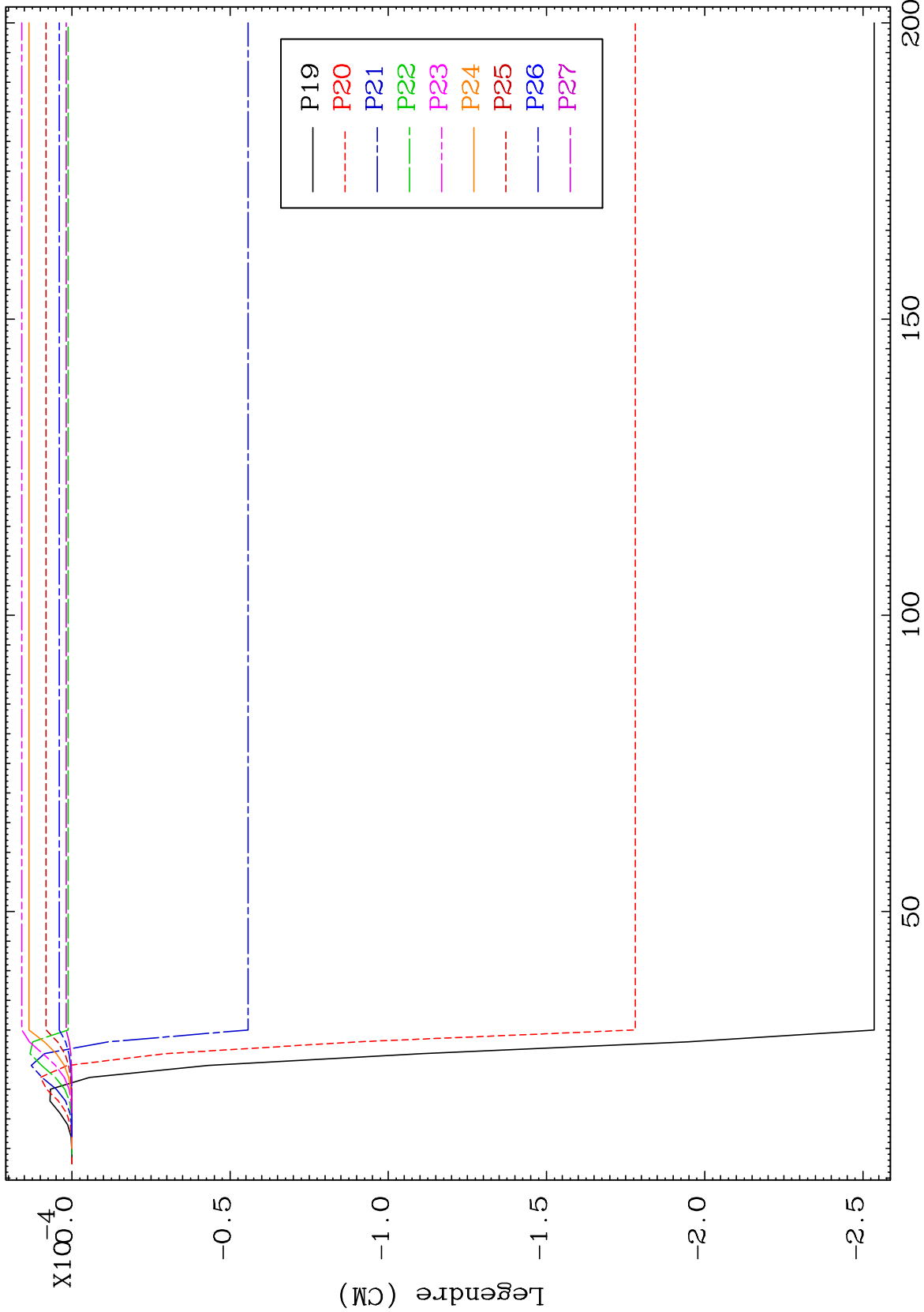
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

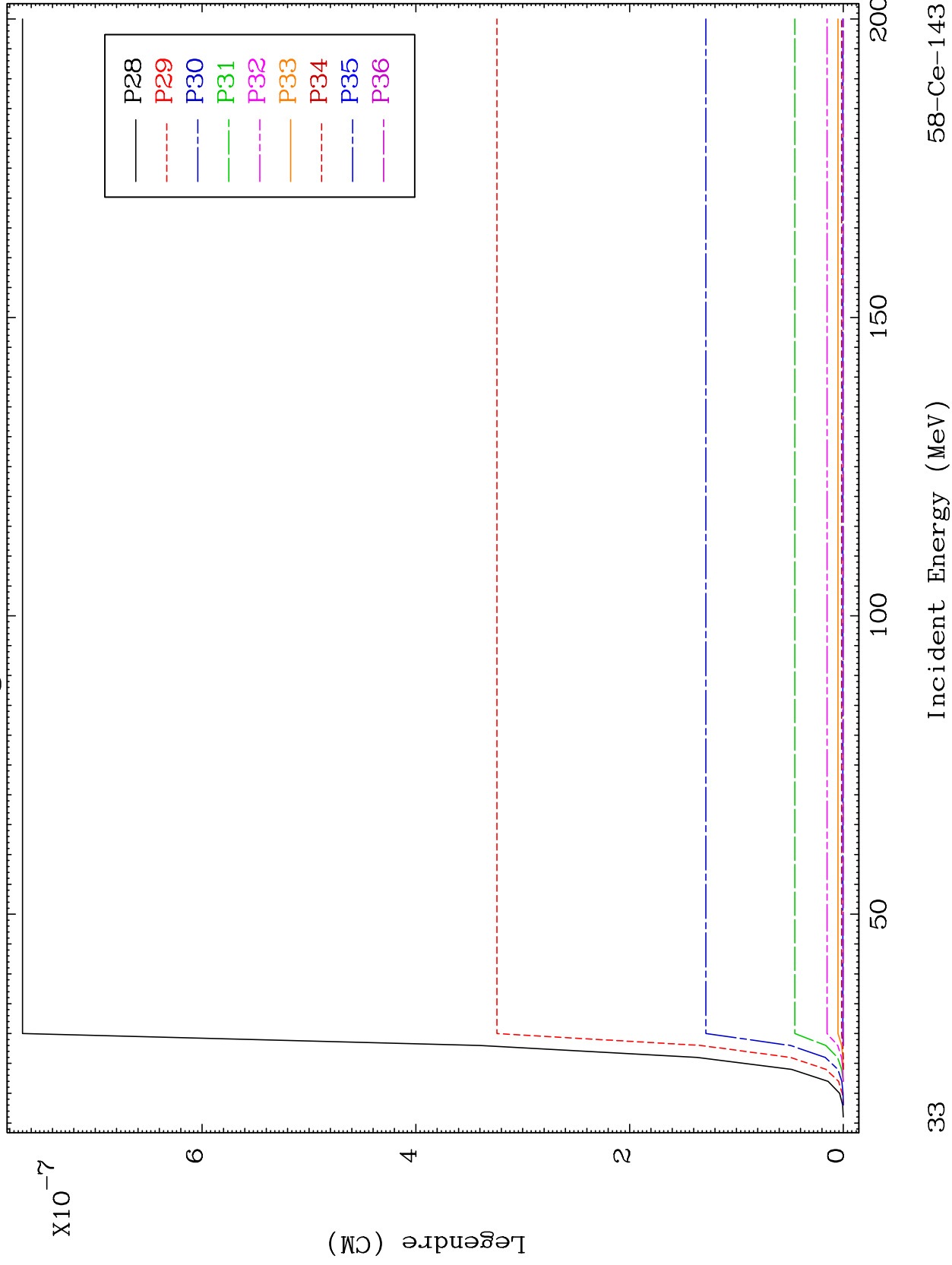
58-Ce-143



MAT 5846

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

58-Ce-143



33

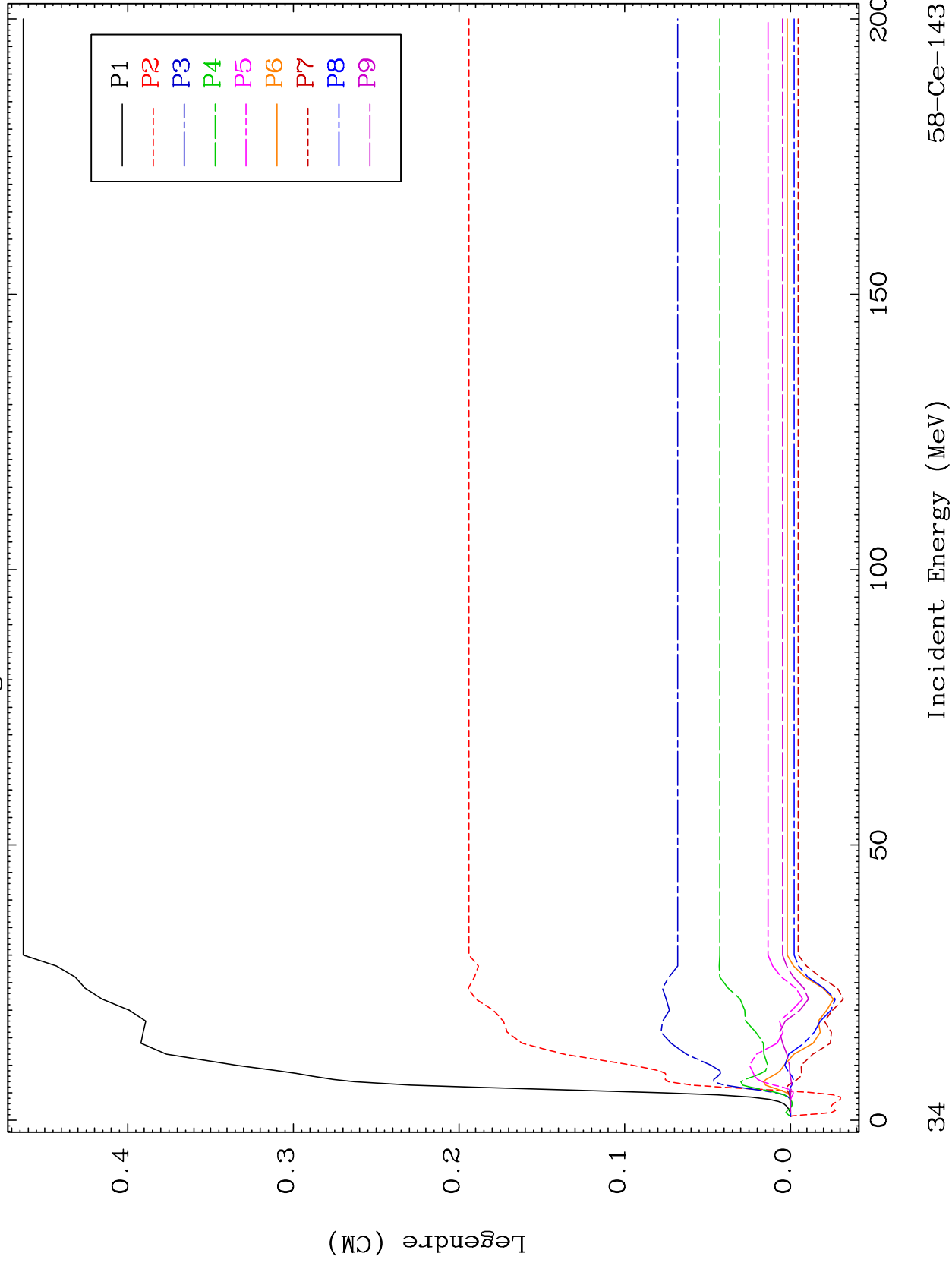
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143



58-Ce-143

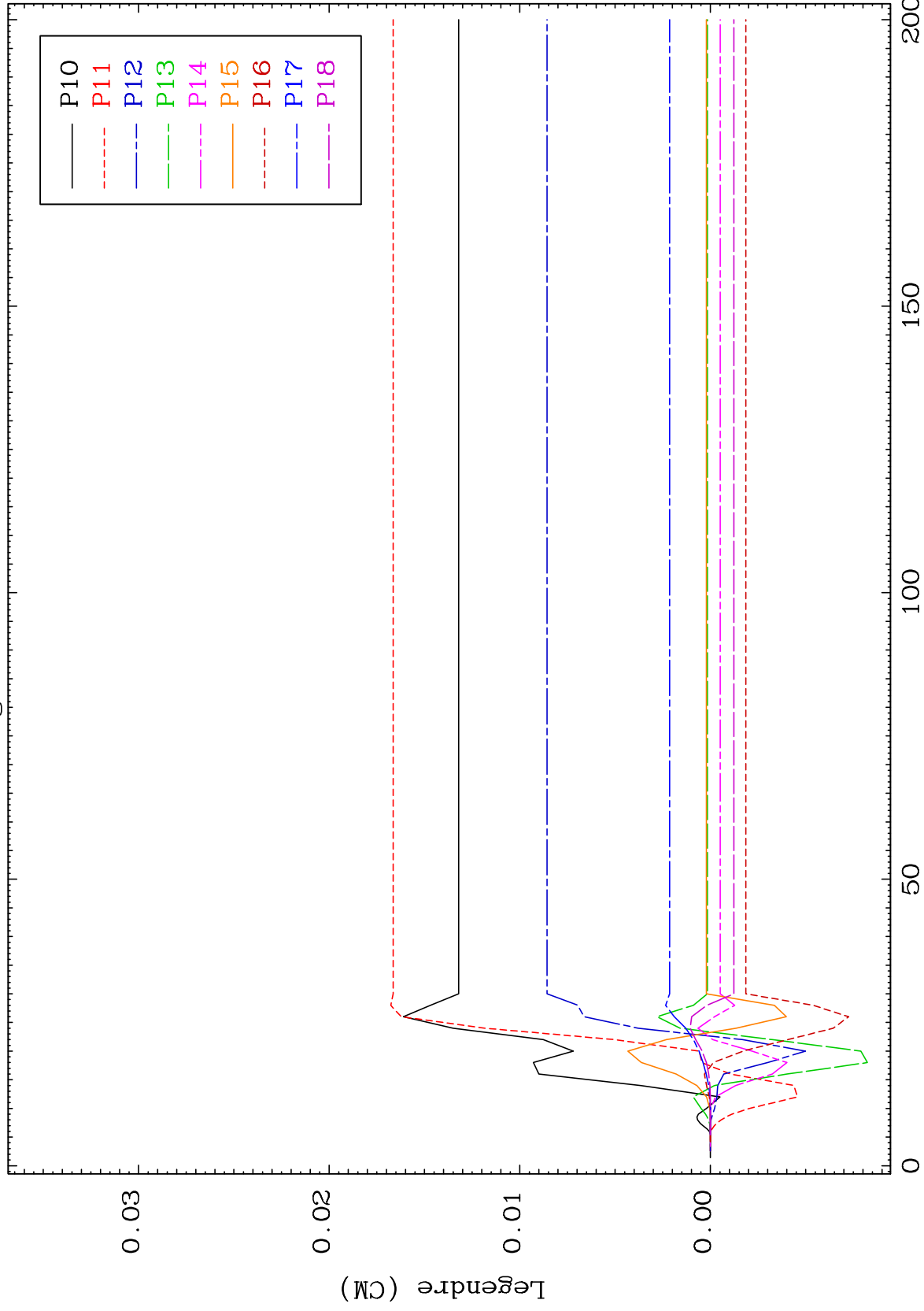
Incident Energy (MeV)

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MAT 5846

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

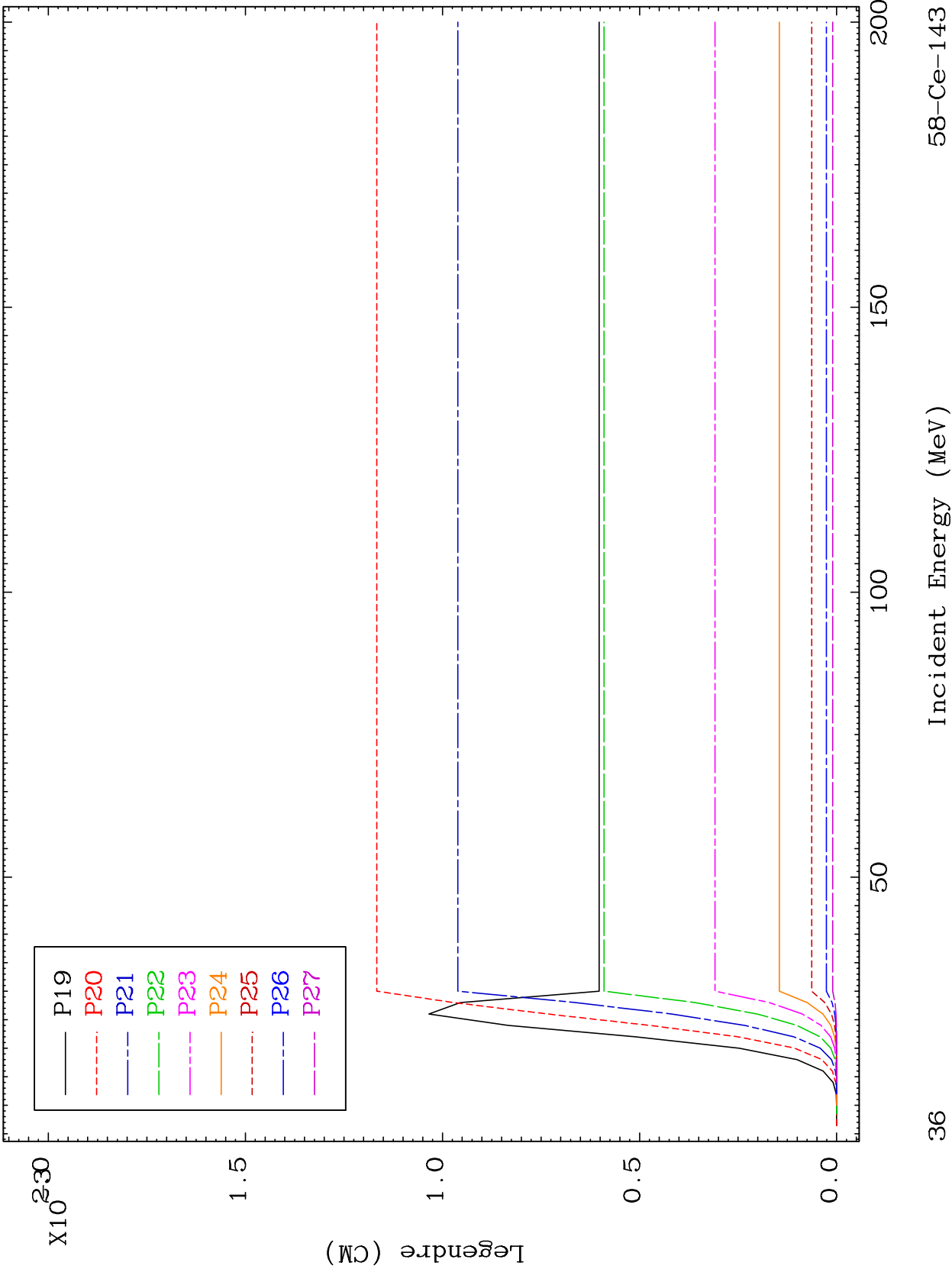
58-Ce-143



35

Incident Energy (MeV)

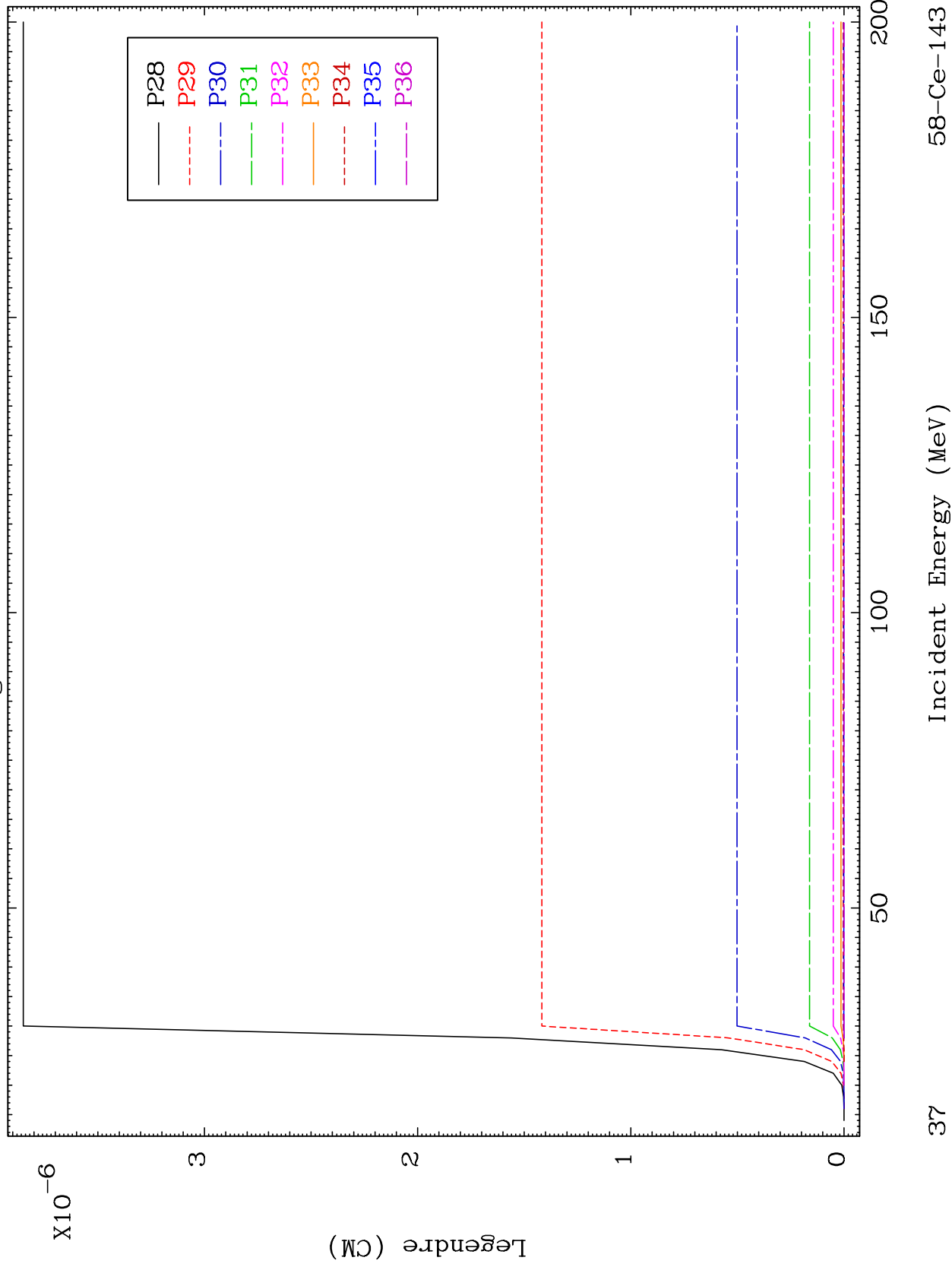
58-Ce-143



MAT 5846

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

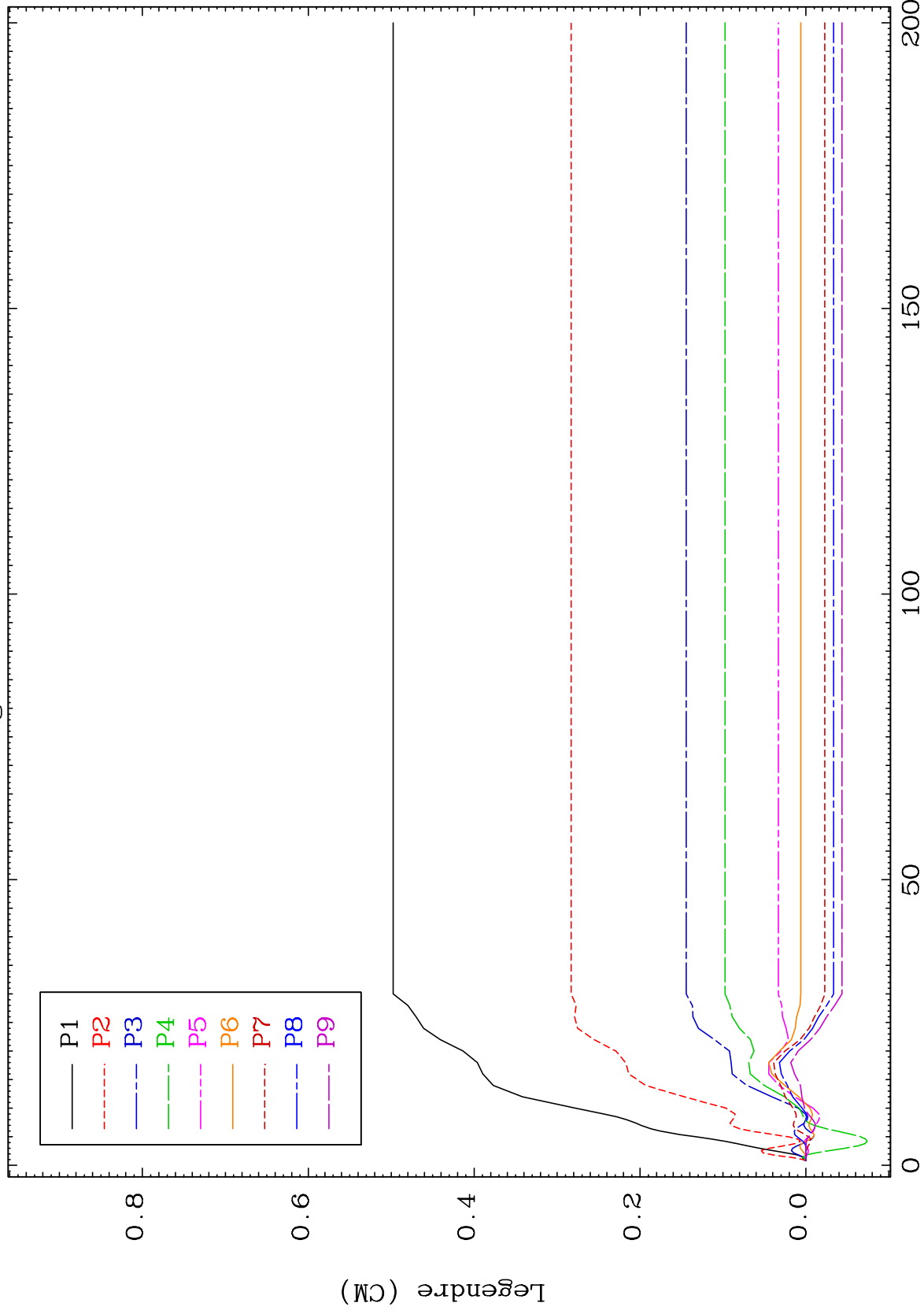
58-Ce-143



MAT 5846

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

58-Ce-143



38

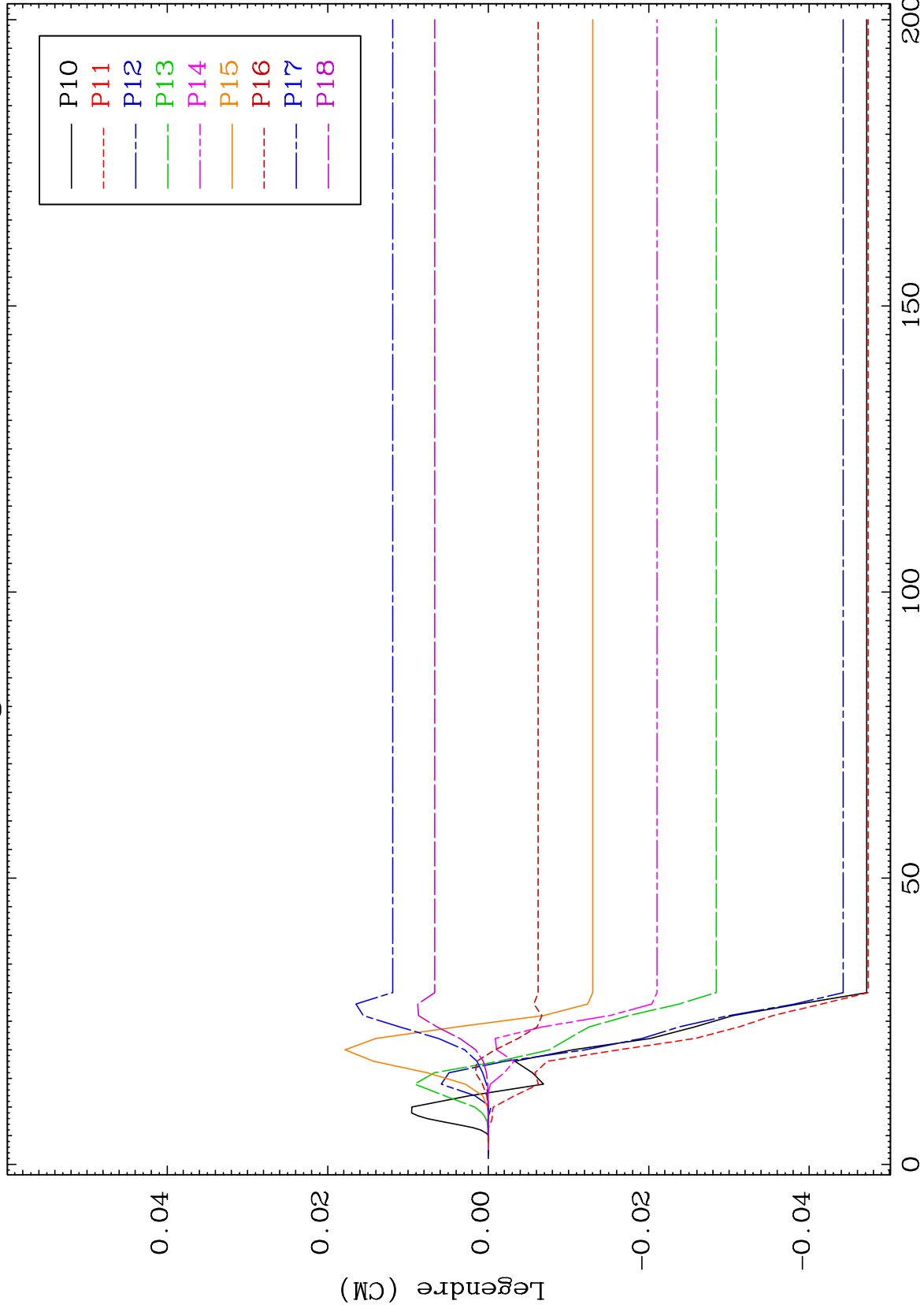
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143



39

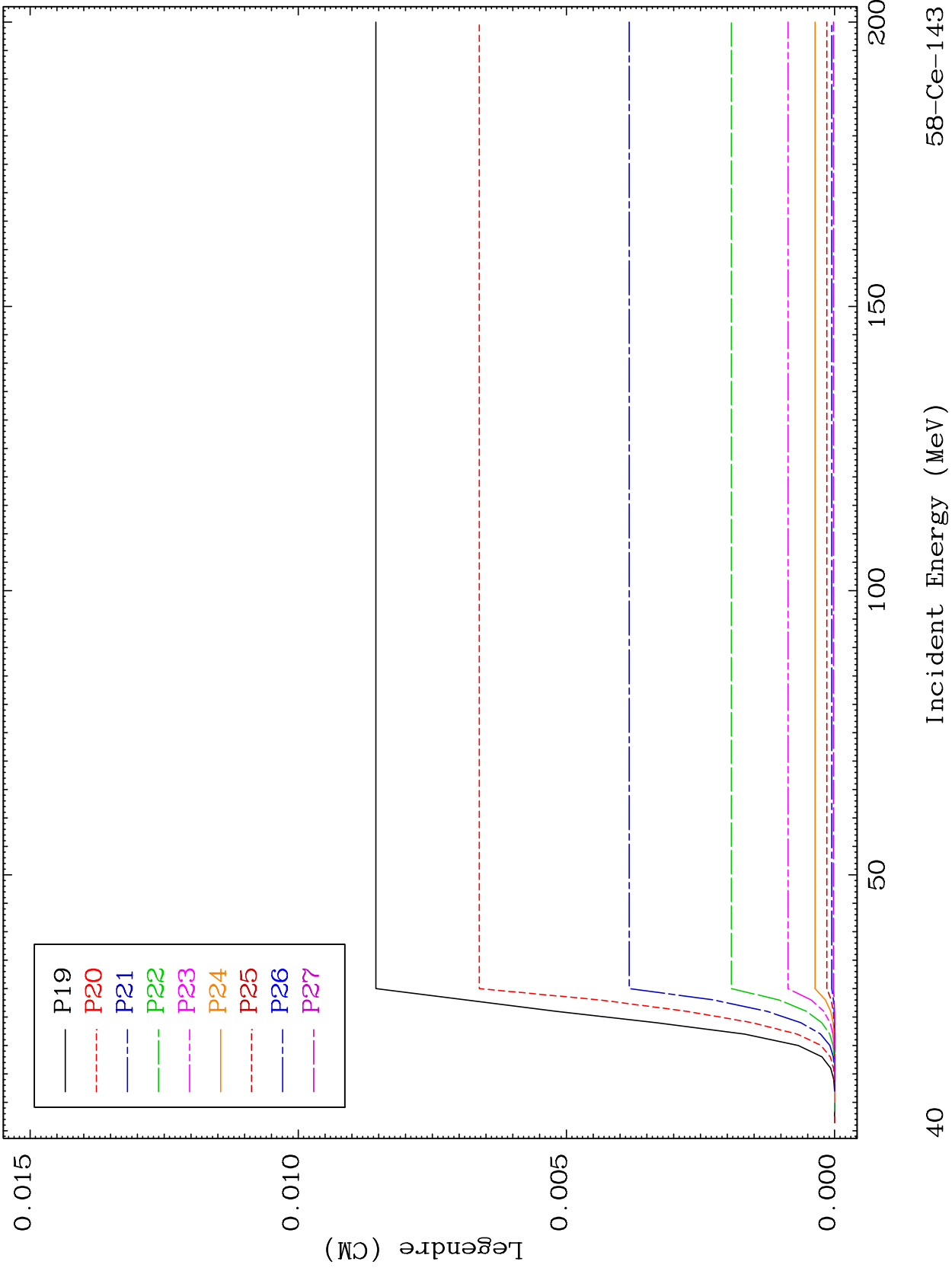
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143



58-Ce-143

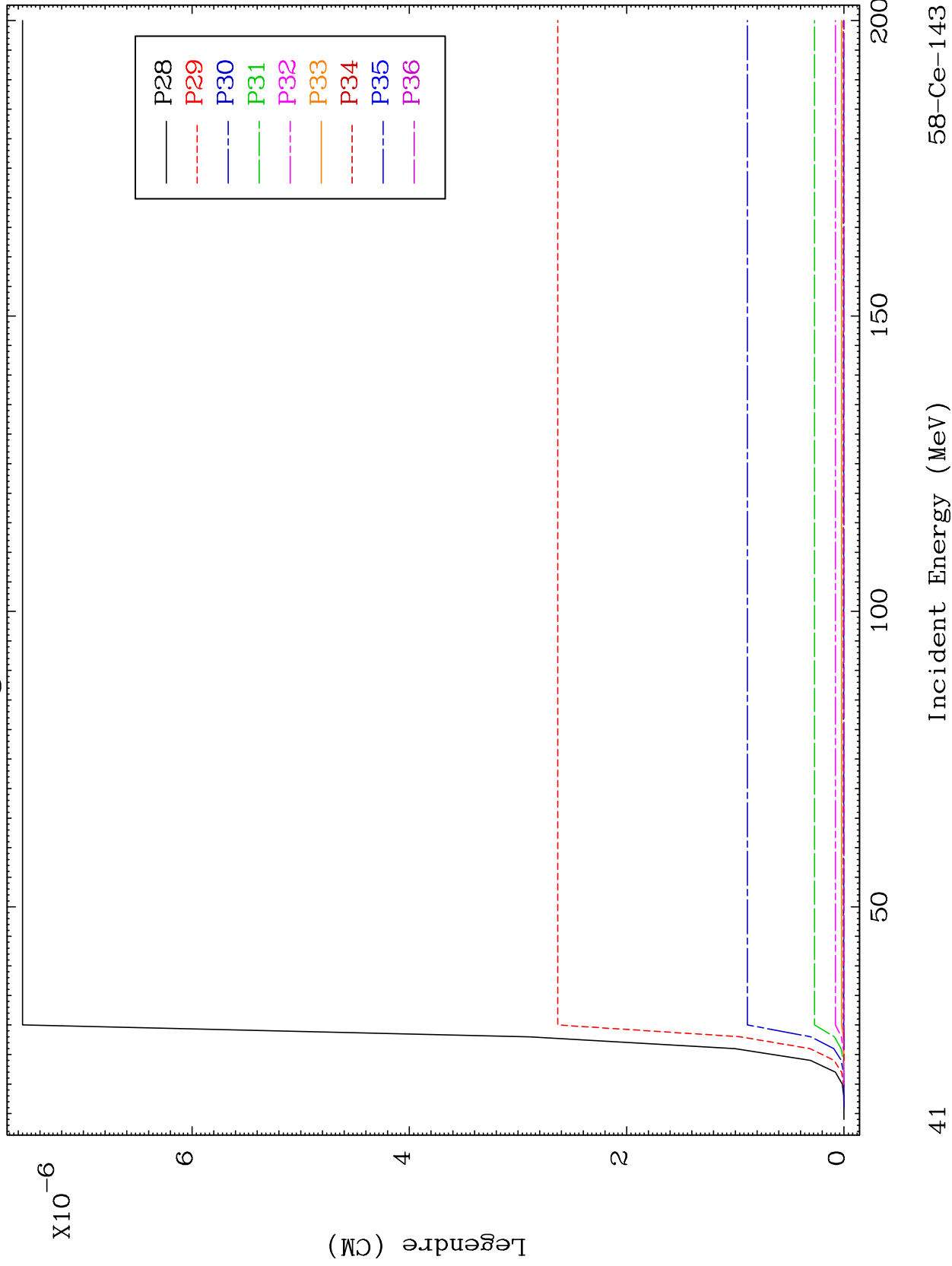
Incident Energy (MeV)

40

MAT 5846

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

58-Ce-143



41

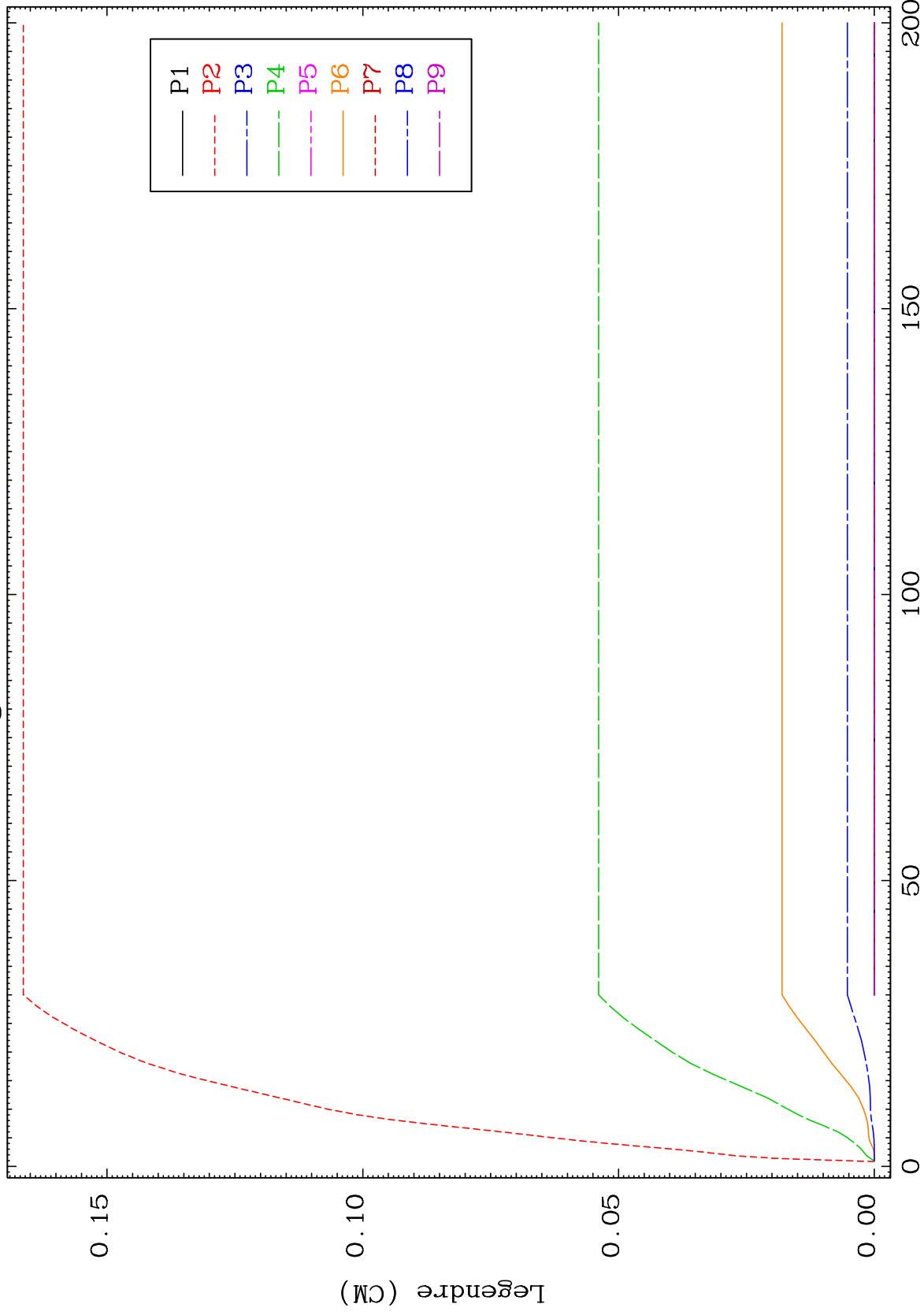
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143



42

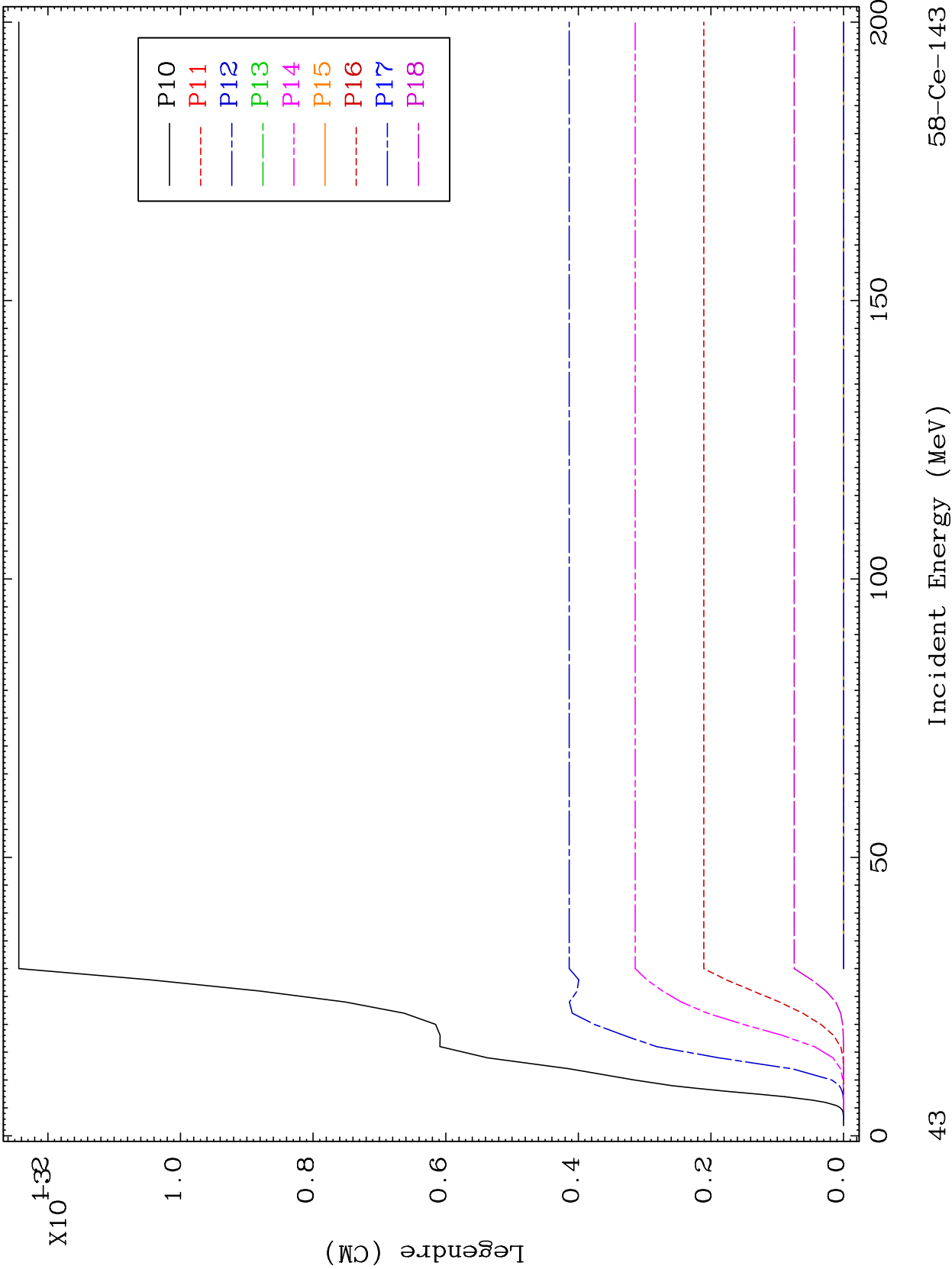
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

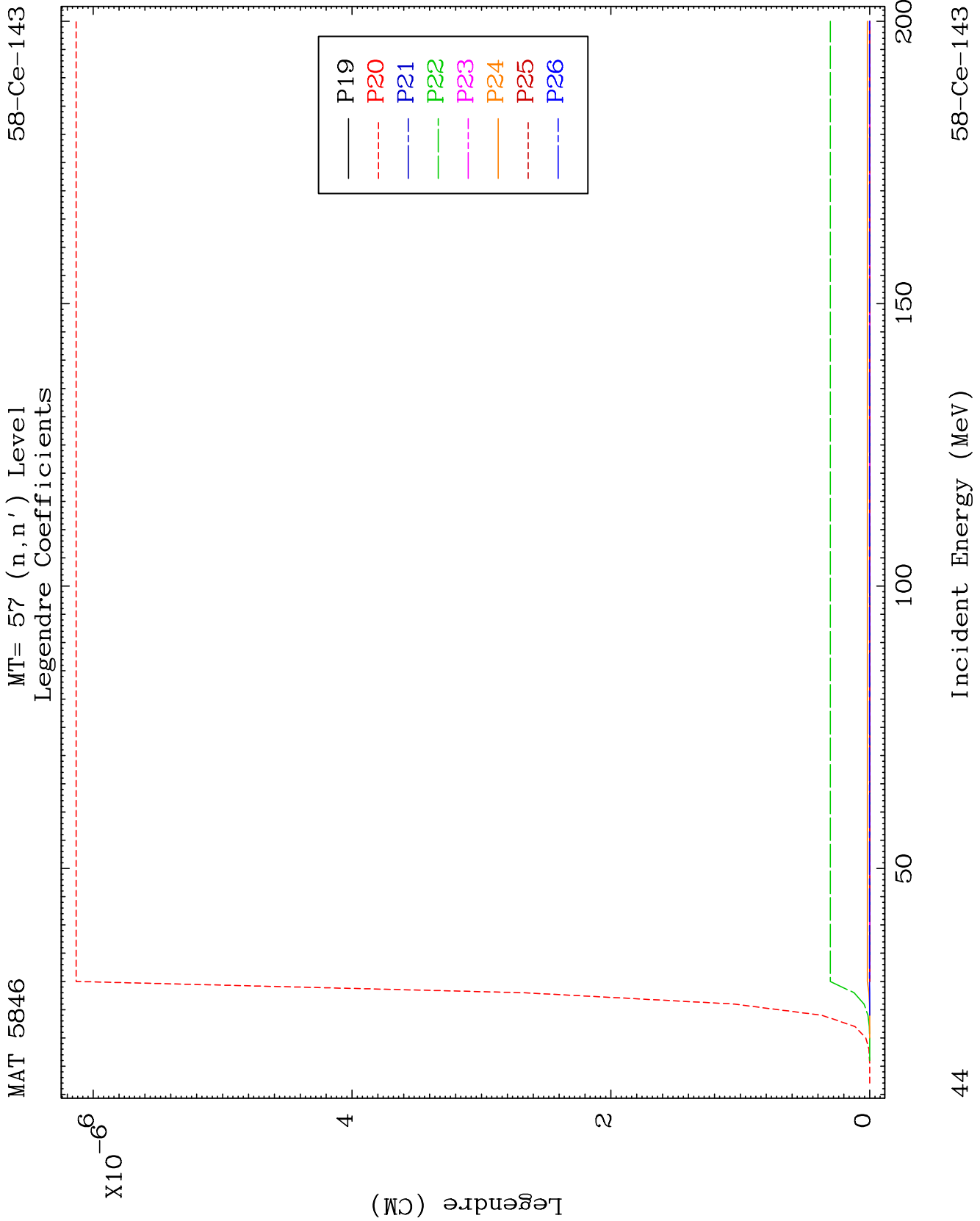
58-Ce-143



58-Ce-143

Incident Energy (MeV)

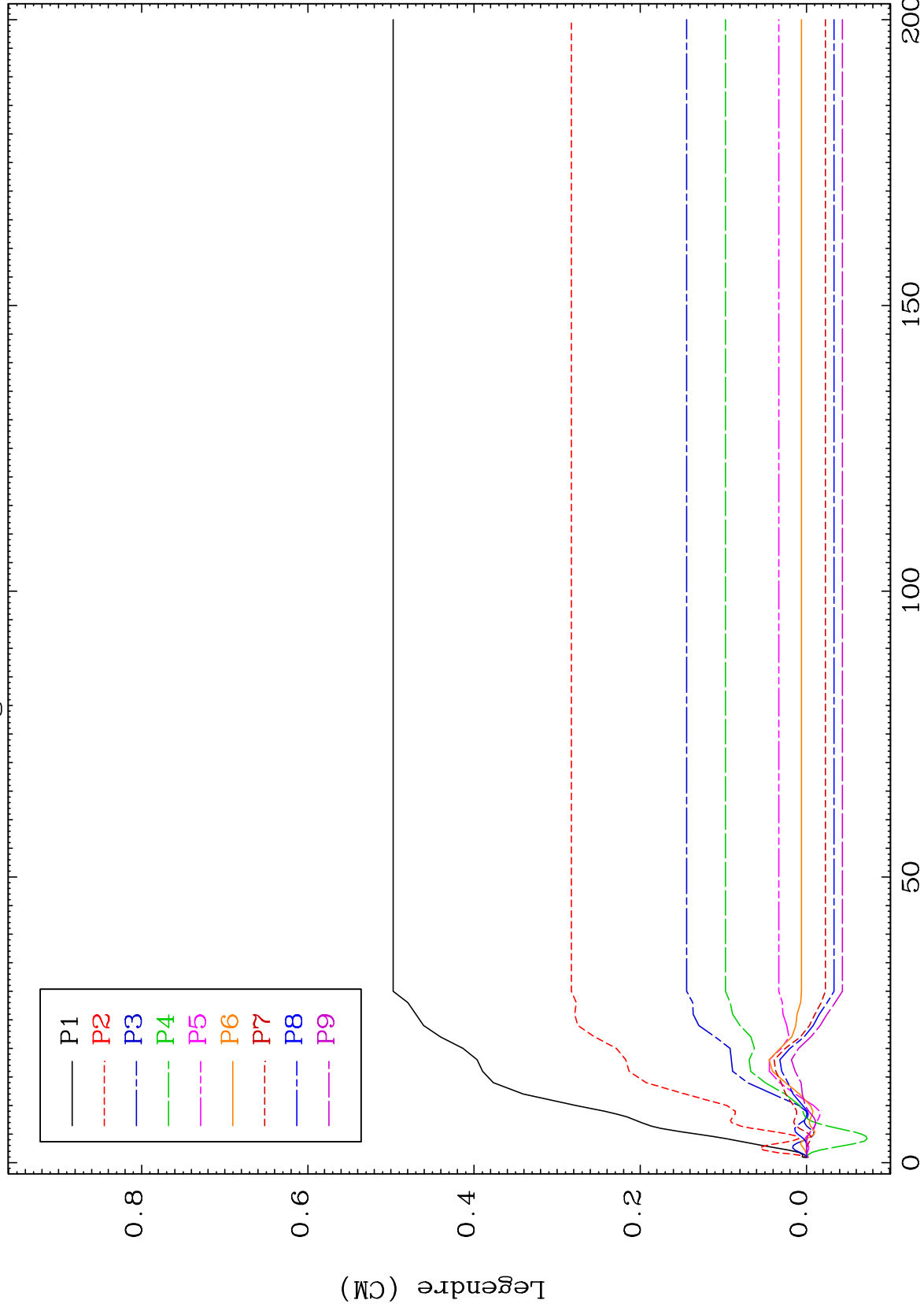
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MAT 5846

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

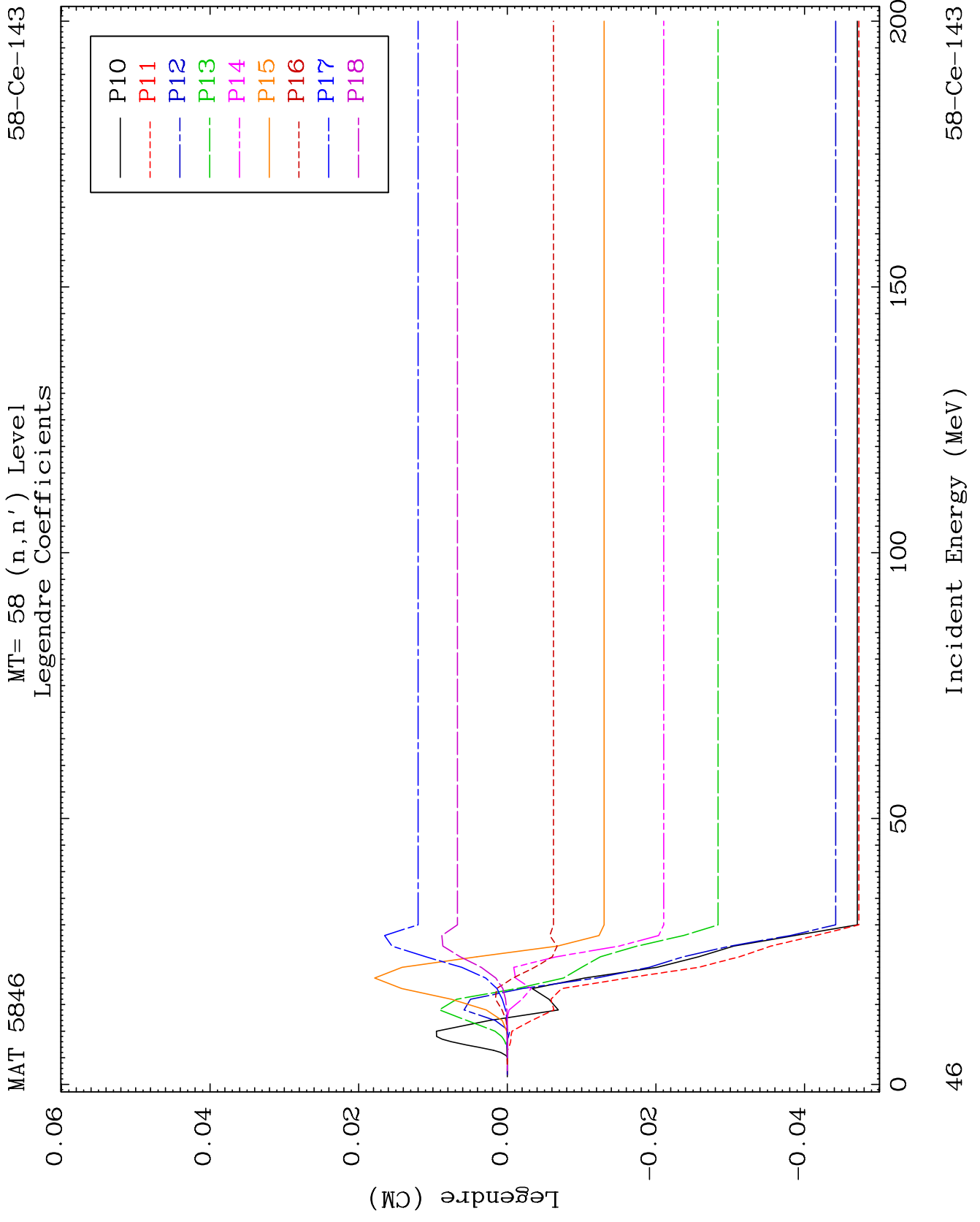
58-Ce-143



58-Ce-143

Incident Energy (MeV)

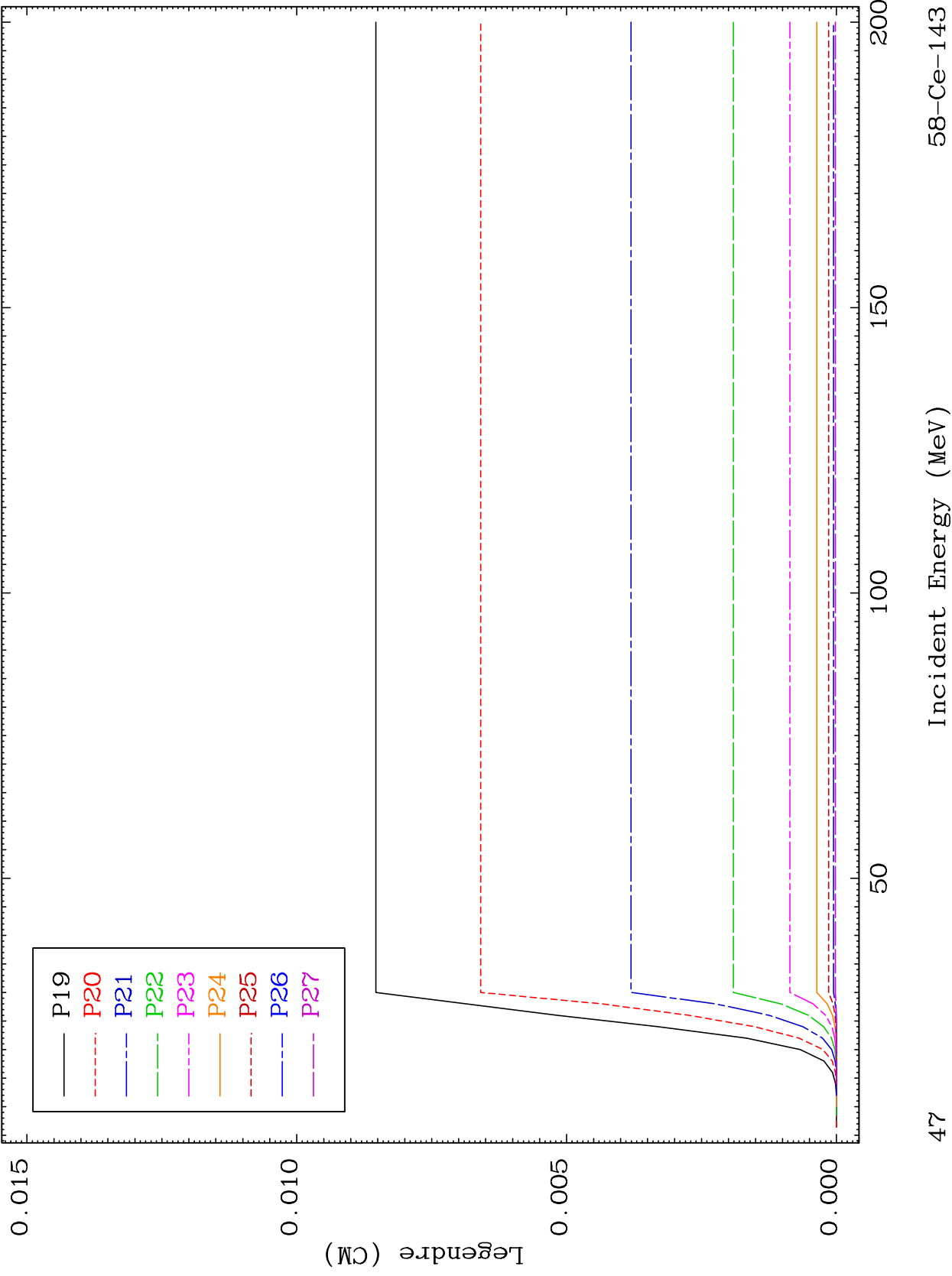
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MAT 5846

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

58-Ce-143



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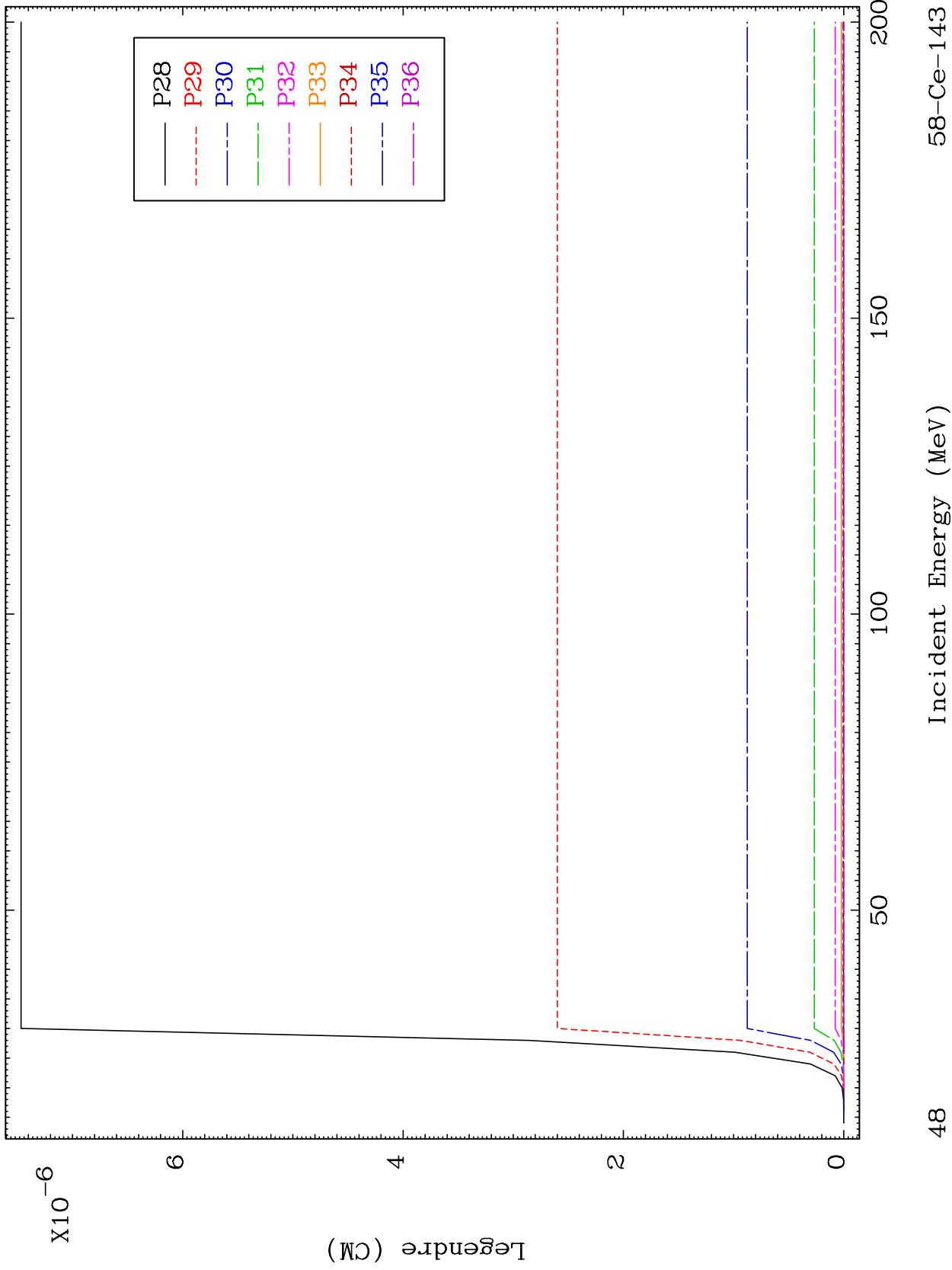
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

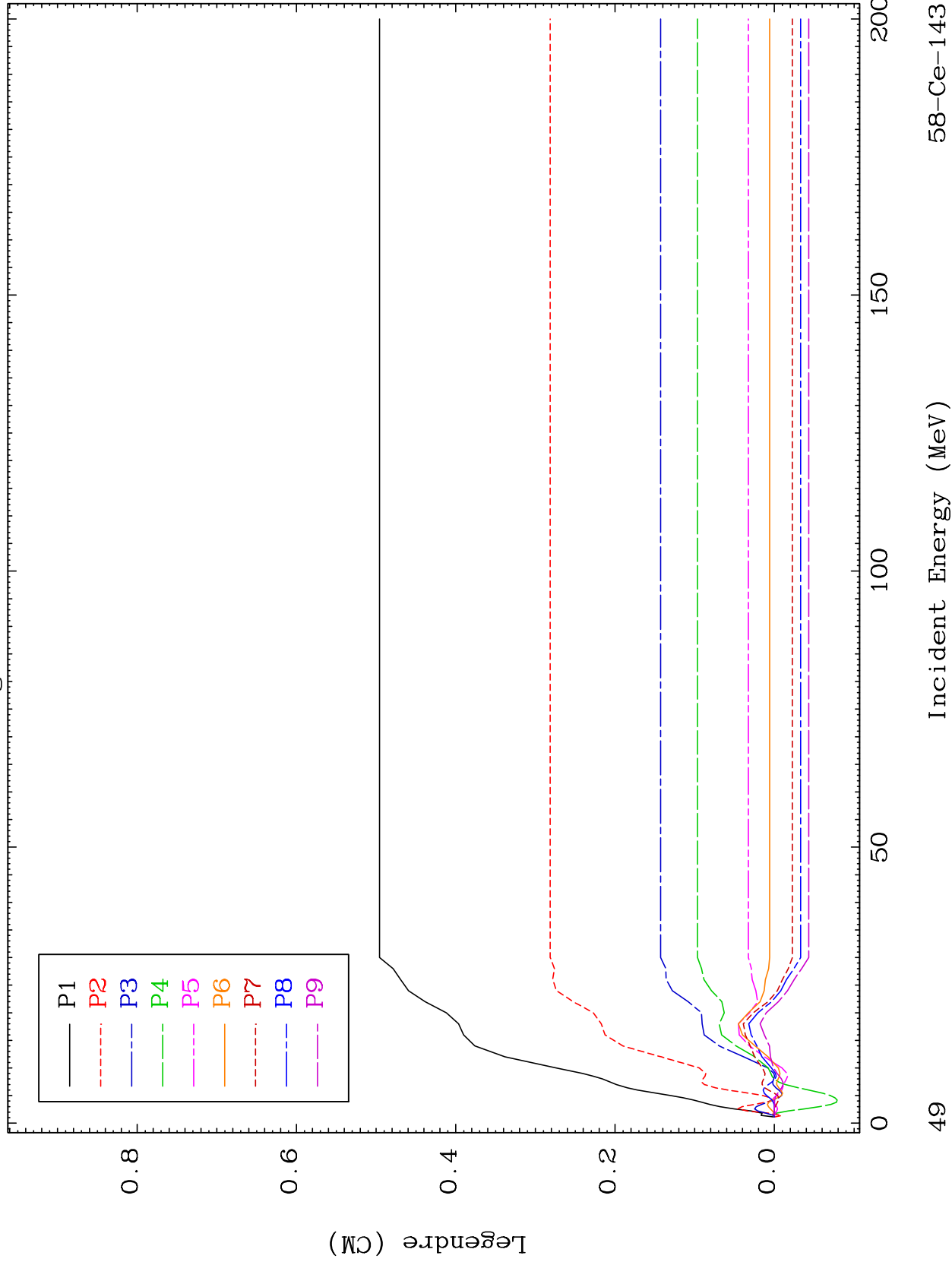
58-Ce-143



MAT 5846

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

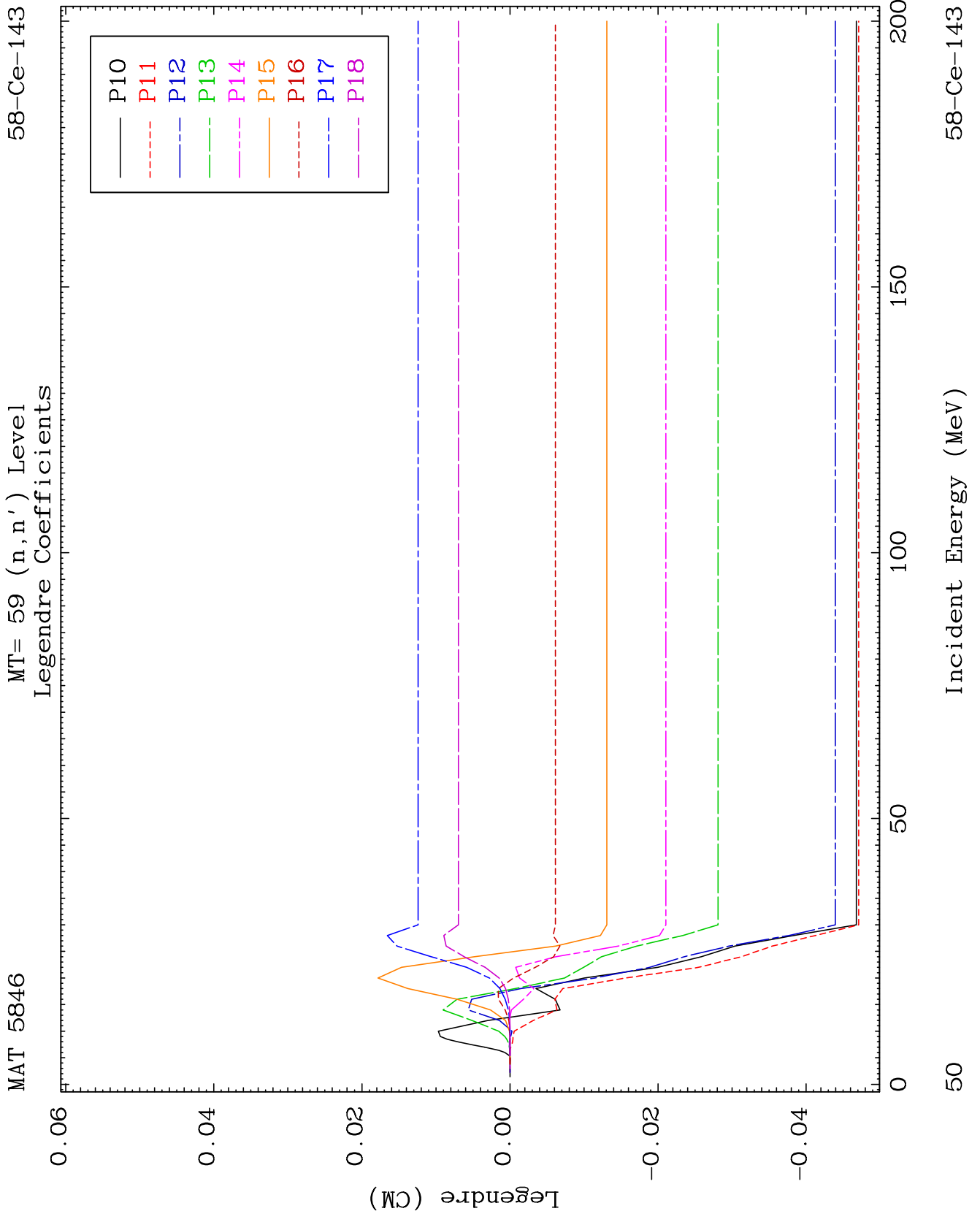
58-Ce-143



58-Ce-143

Incident Energy (MeV)

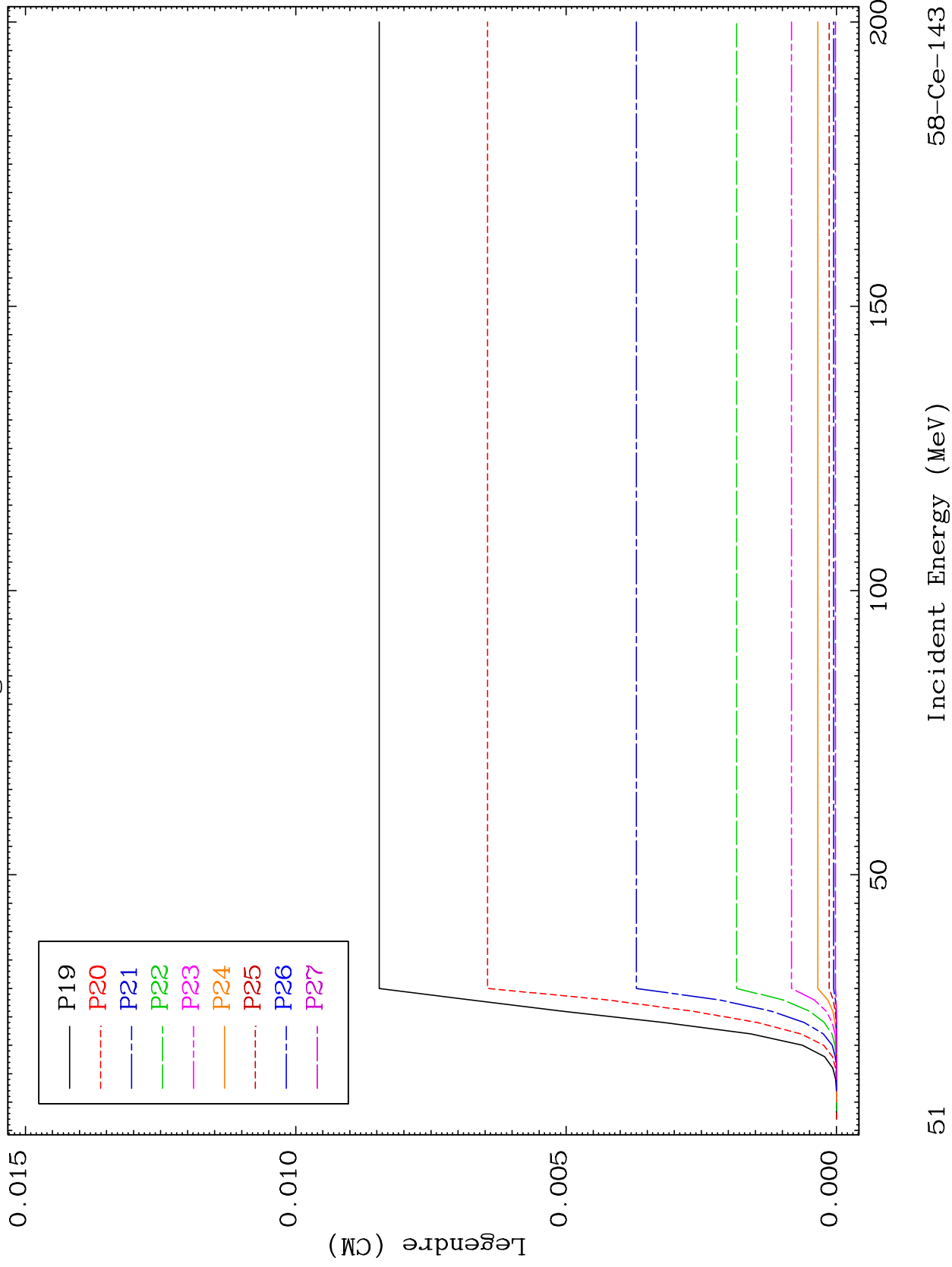
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MAT 5846

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

58-Ce-143



51

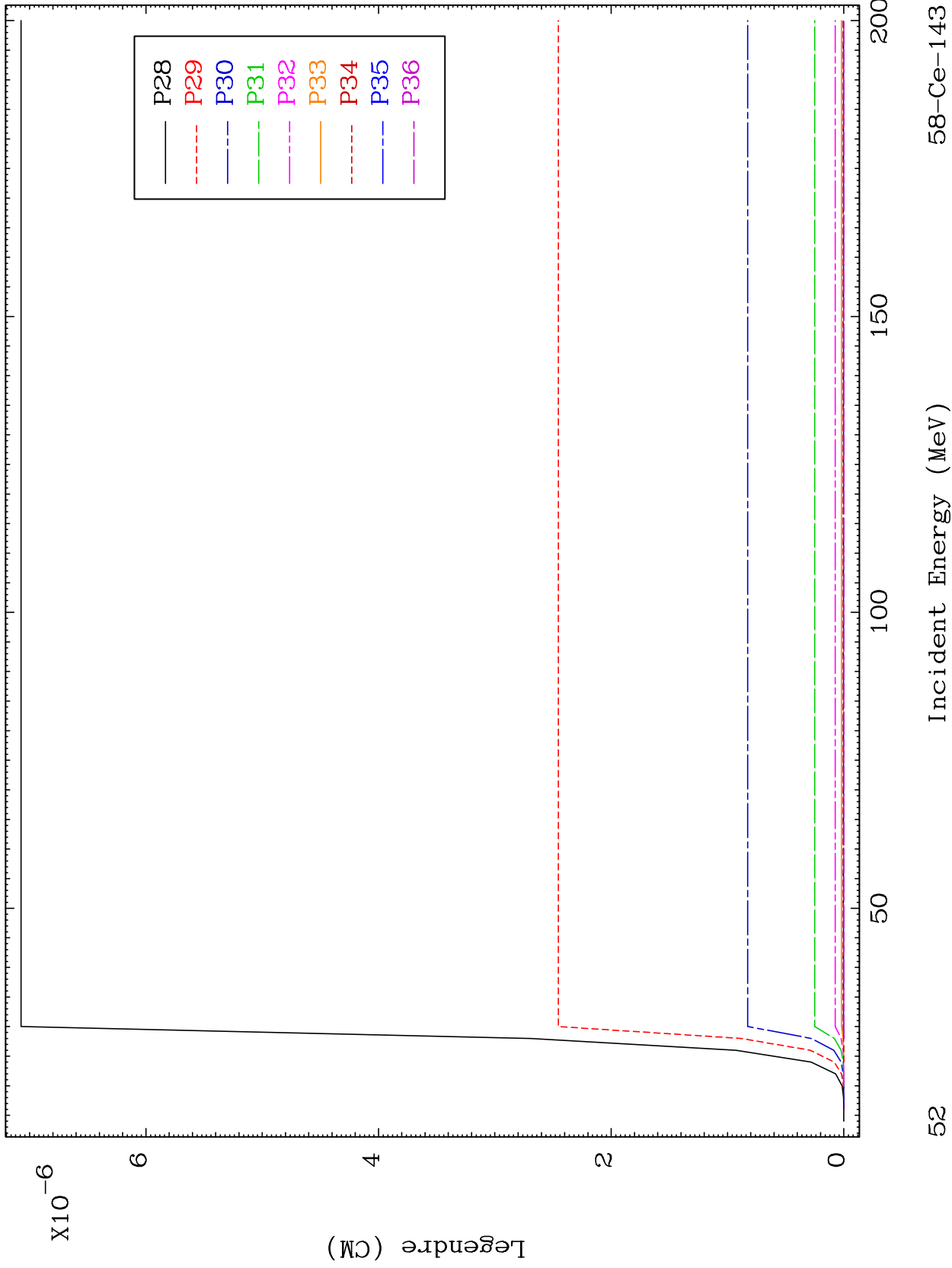
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143



52

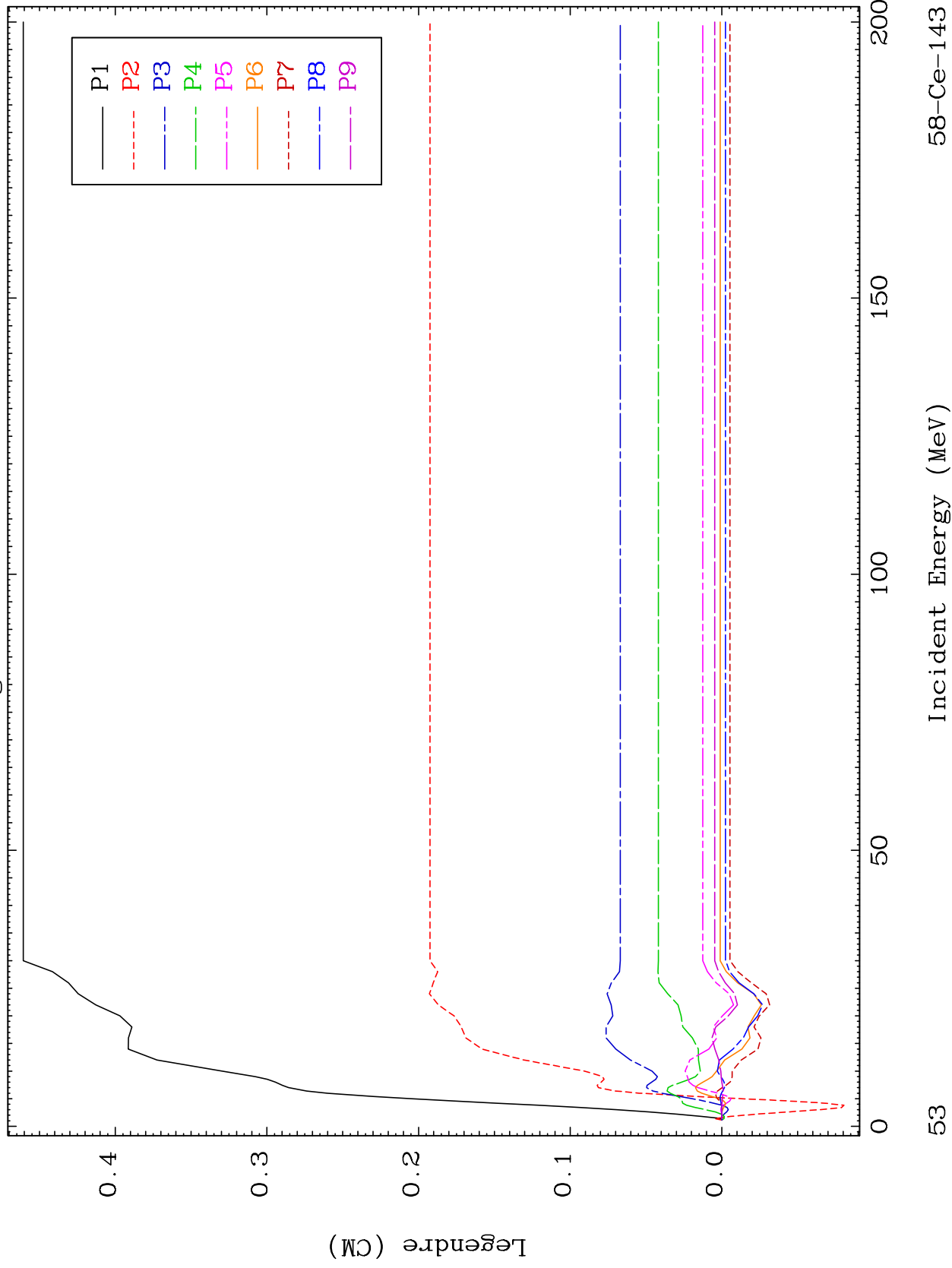
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143



58-Ce-143

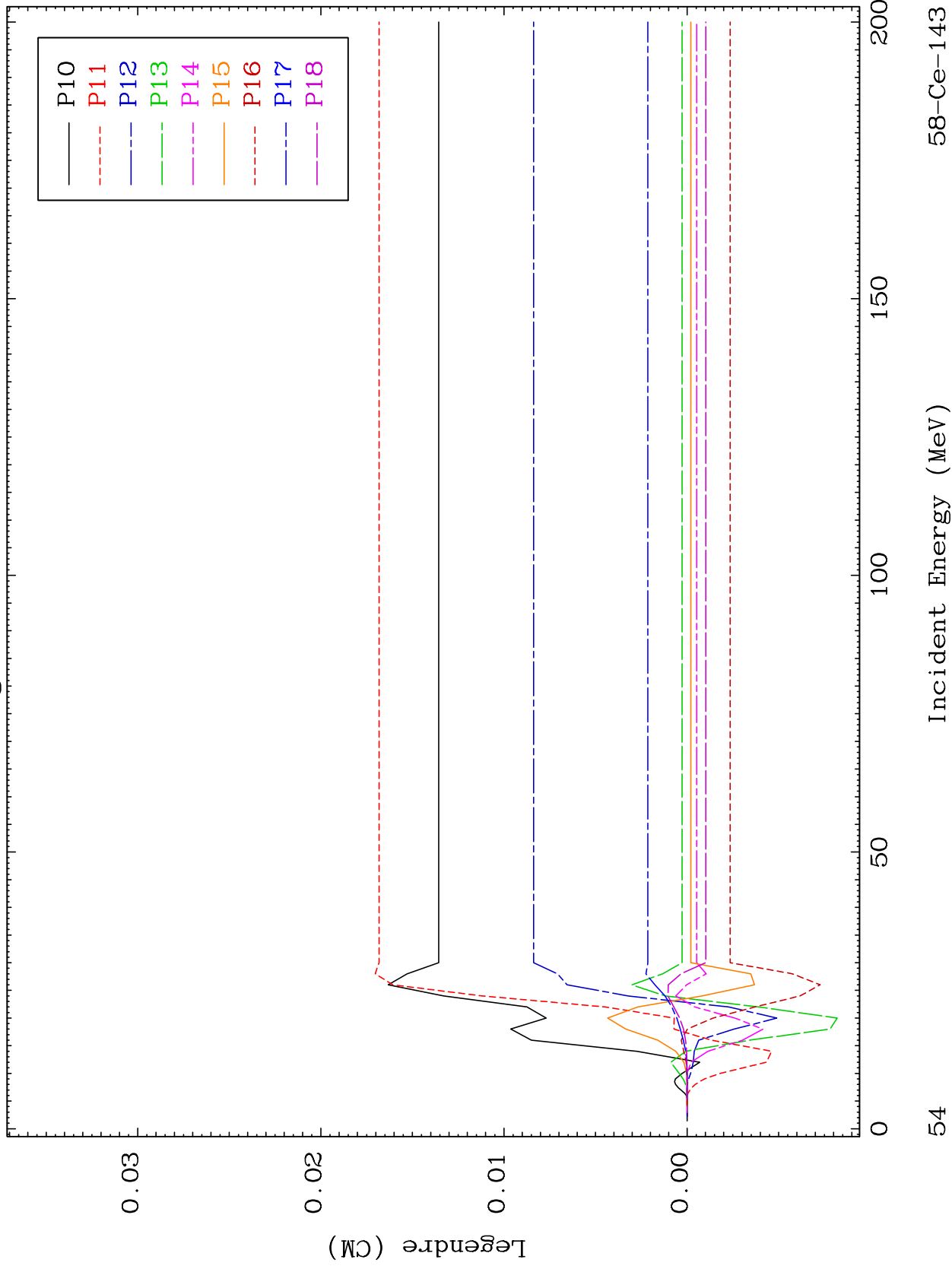
Incident Energy (MeV)

53

MAT 5846

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

58-Ce-143



58-Ce-143

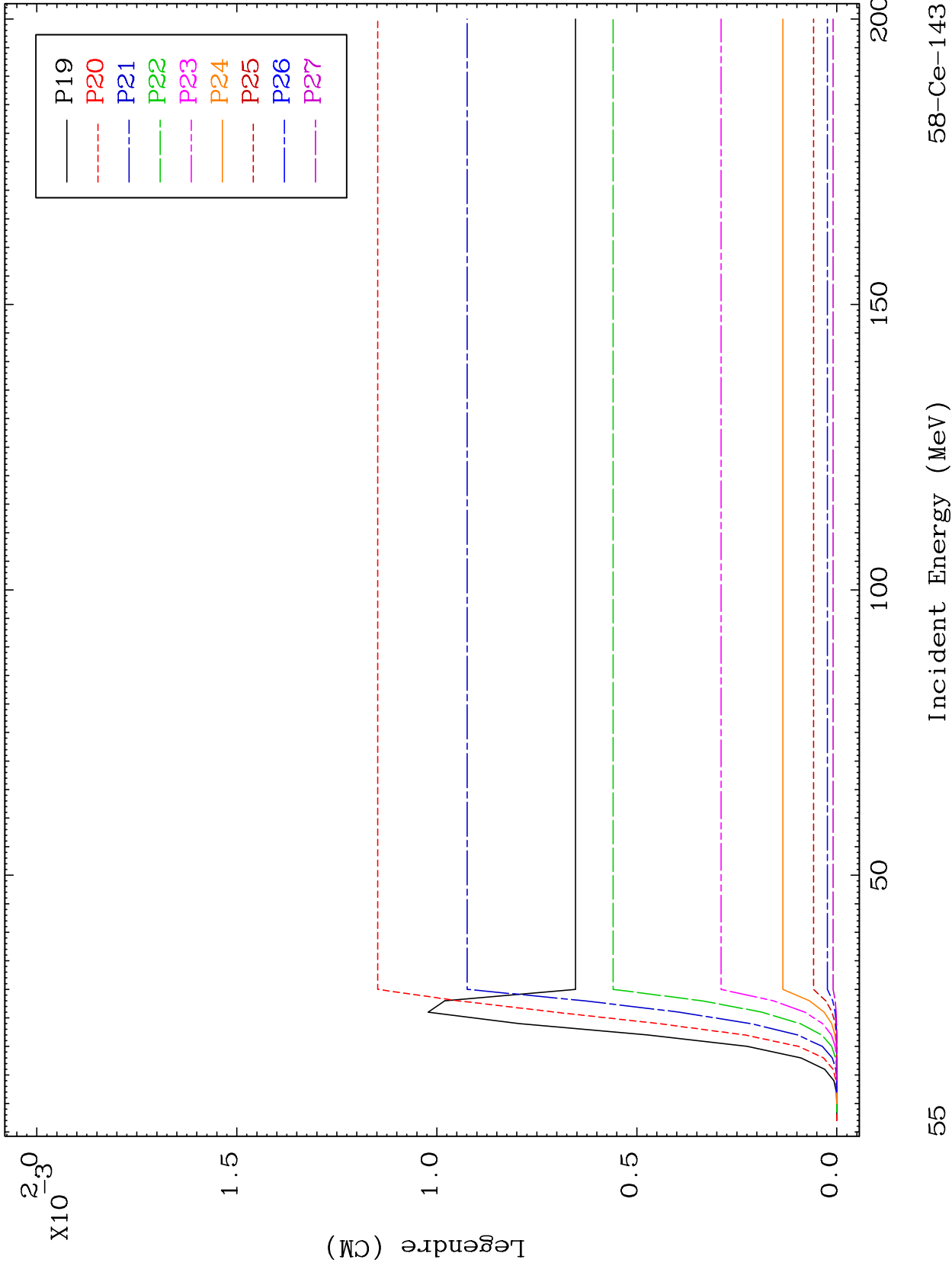
Incident Energy (MeV)

54

MAT 5846

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

58-Ce-143



55

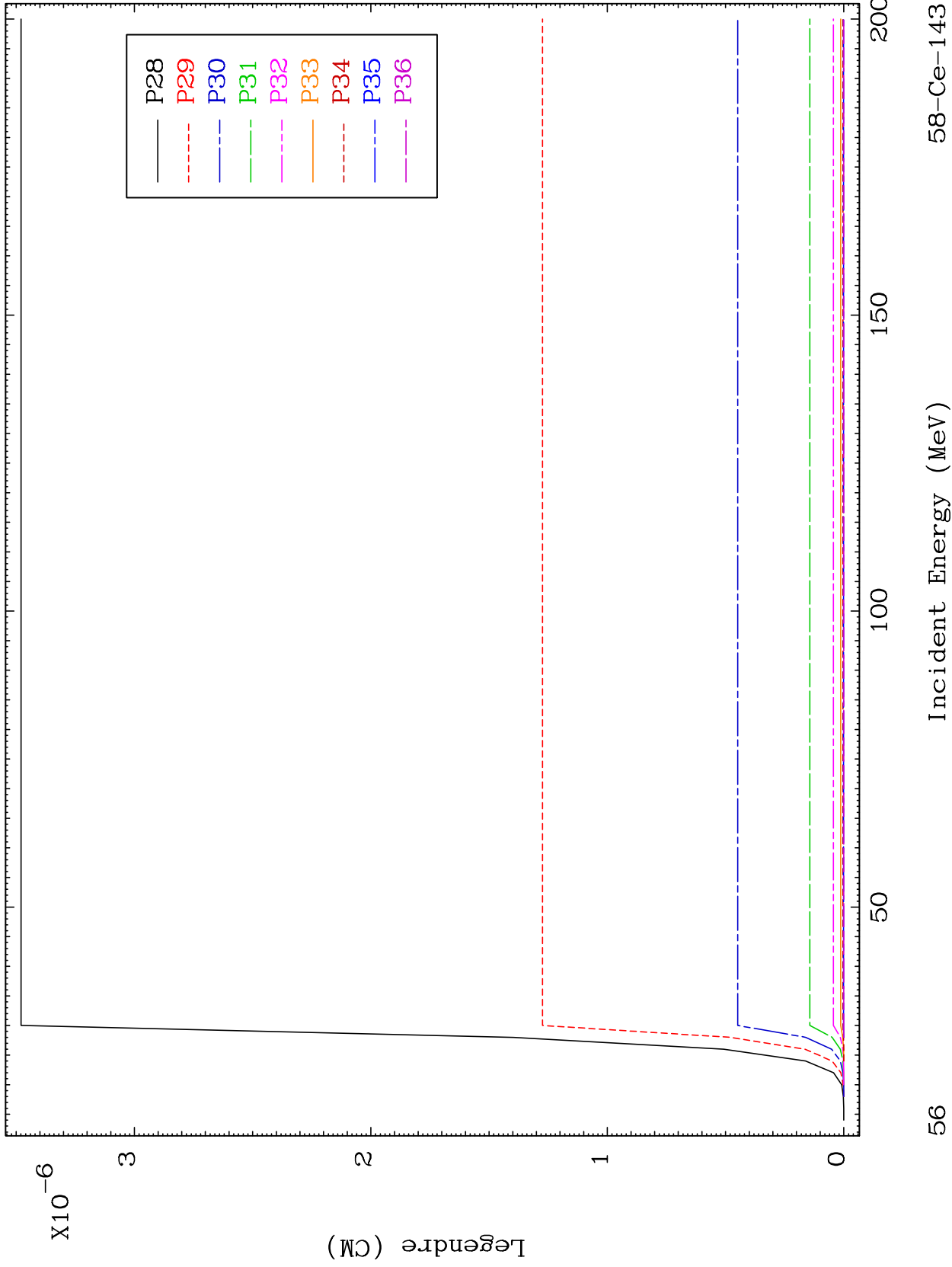
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143



56

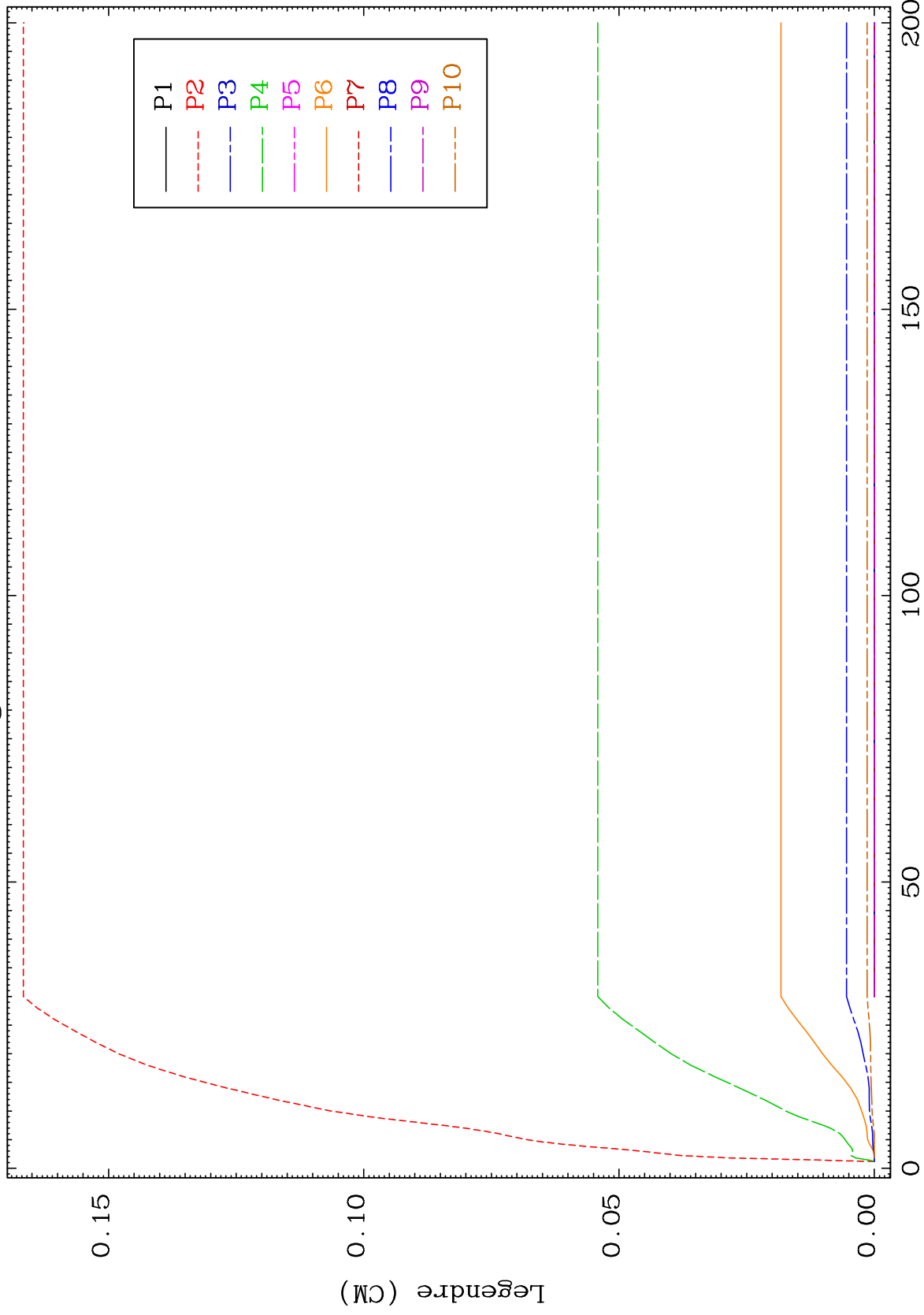
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143



57

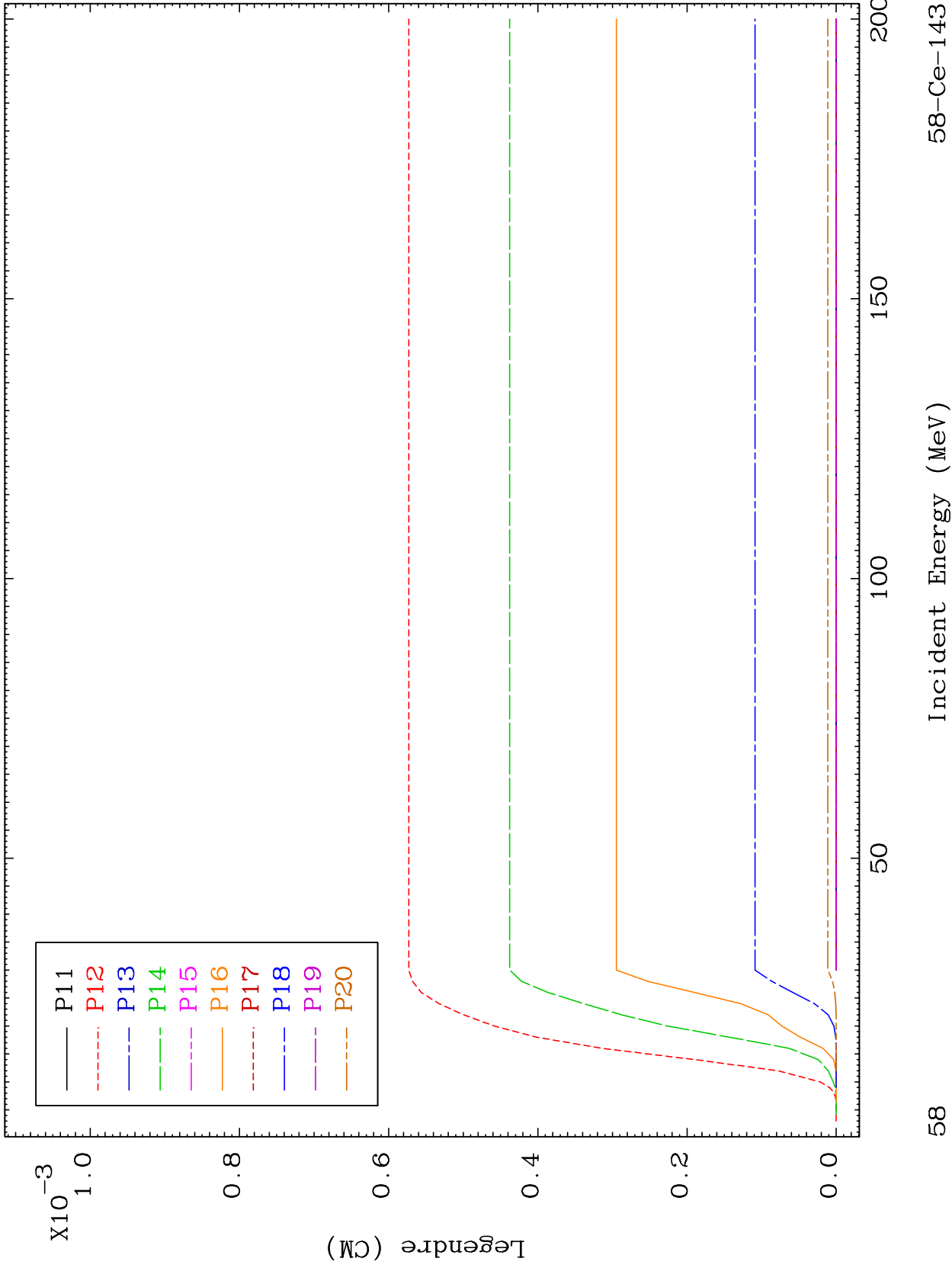
58-Ce-143

58-Ce-143

MAT 5846

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

58-Ce-143



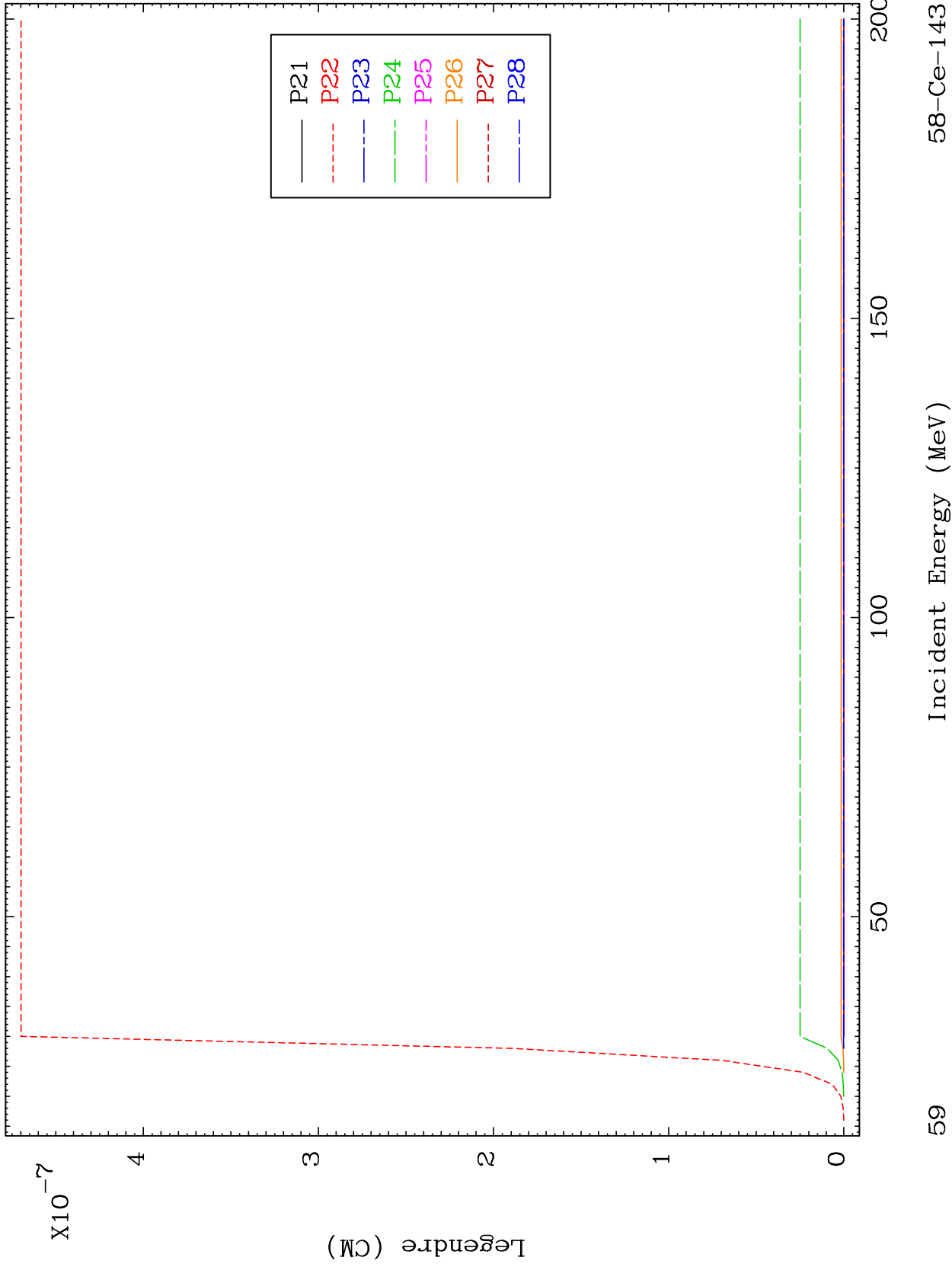
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58-Ce-143

MAT 5846

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

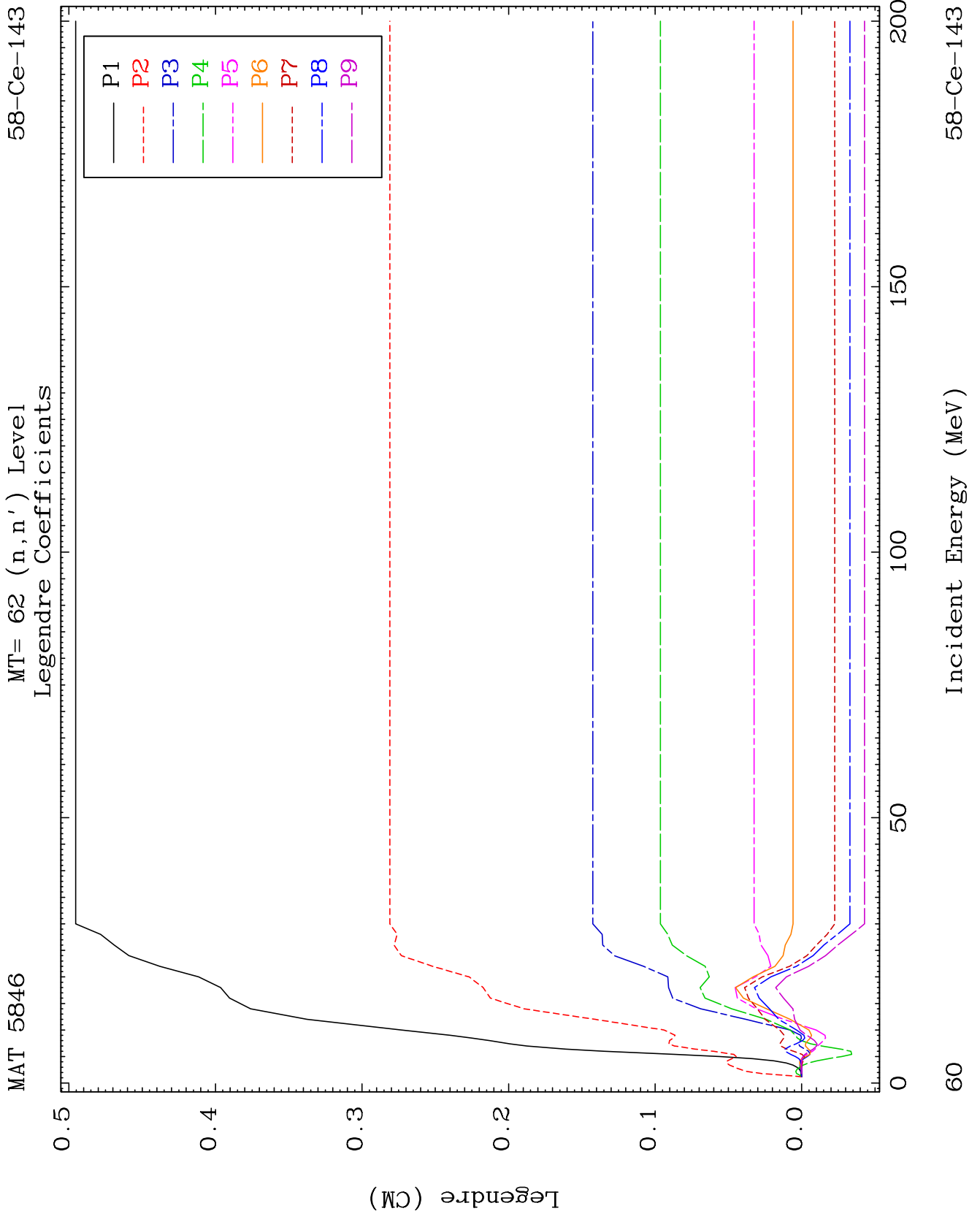
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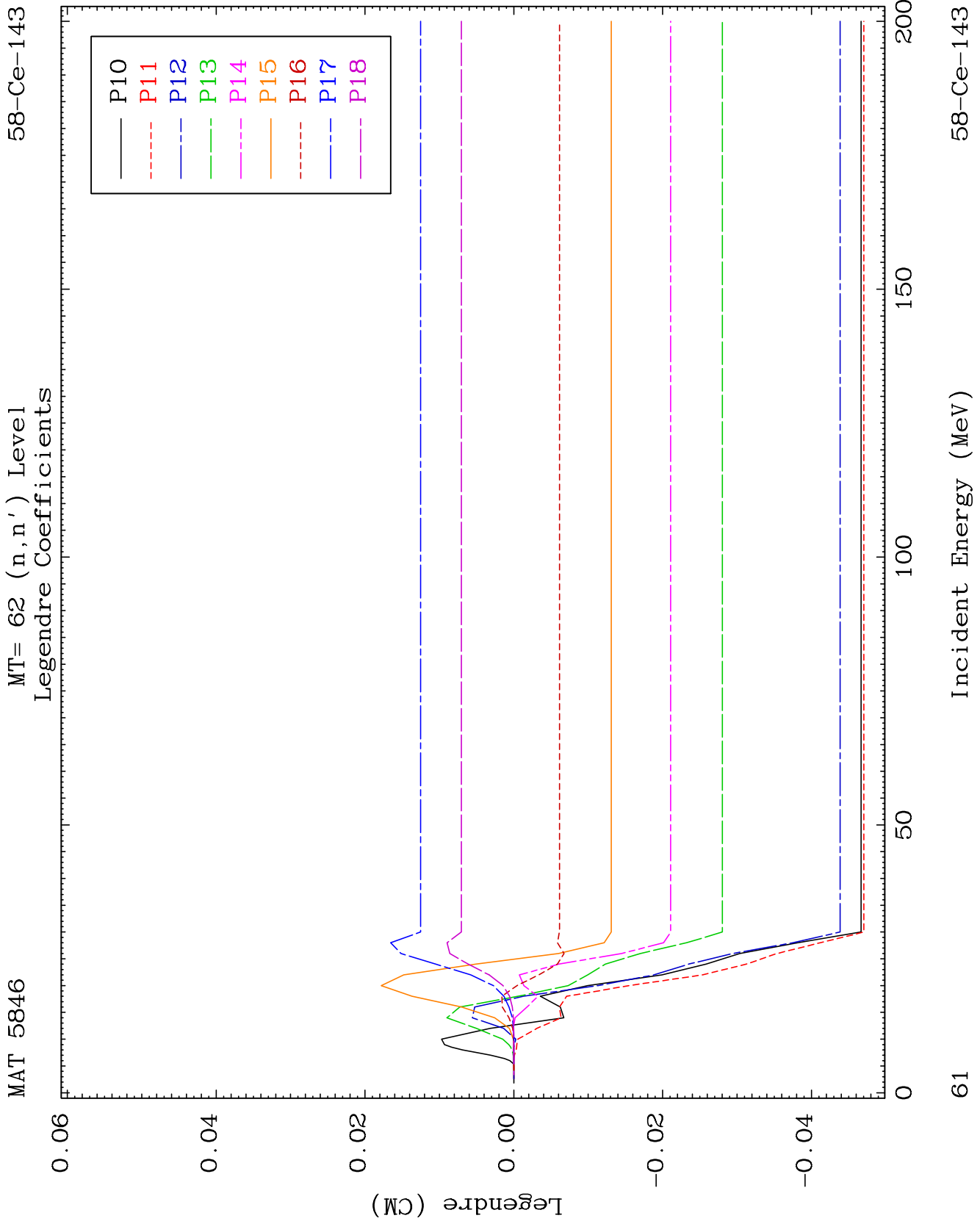


58-Ce-143

Incident Energy (MeV)

59

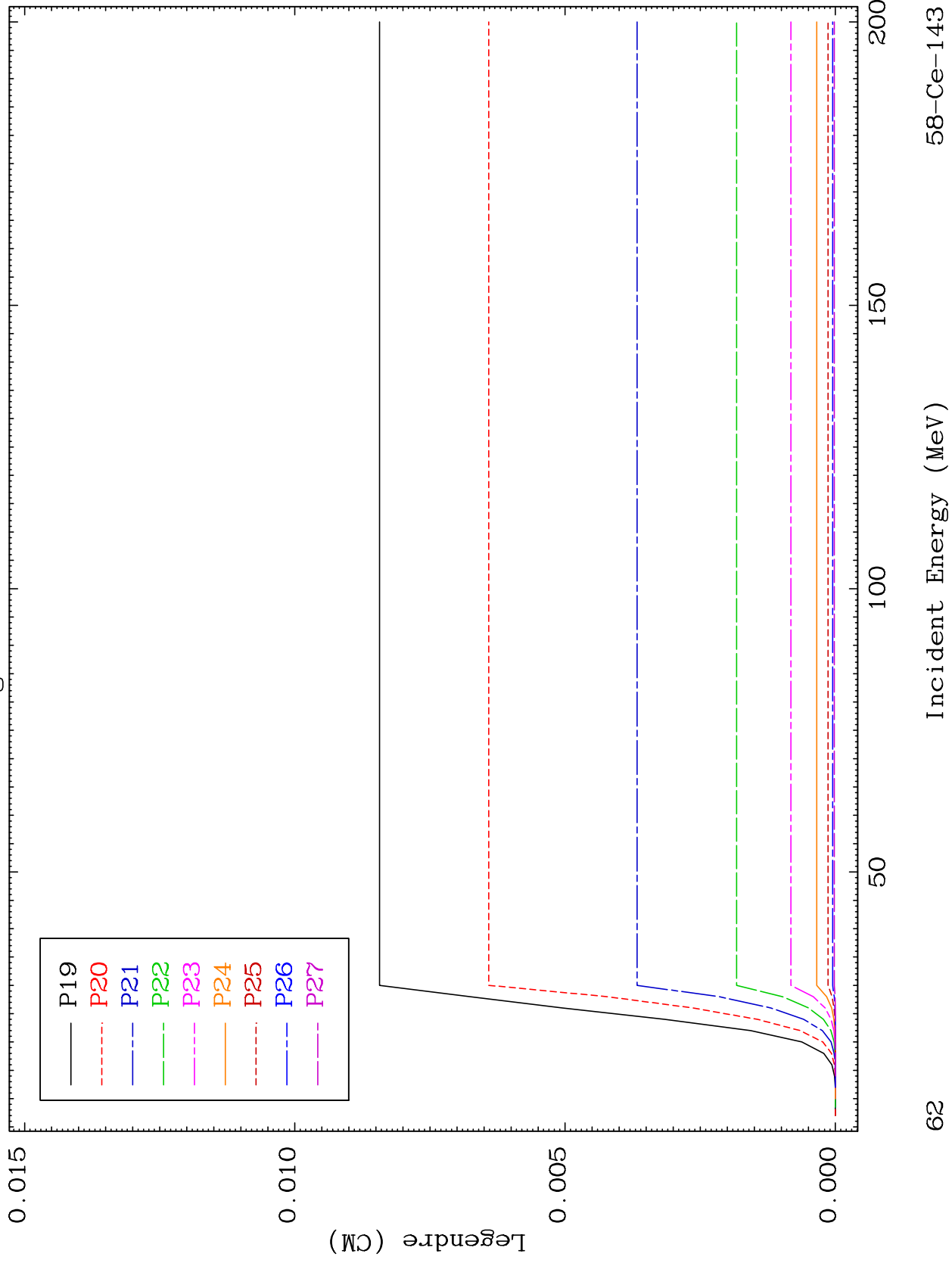




MAT 5846

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

58-Ce-143



58-Ce-143

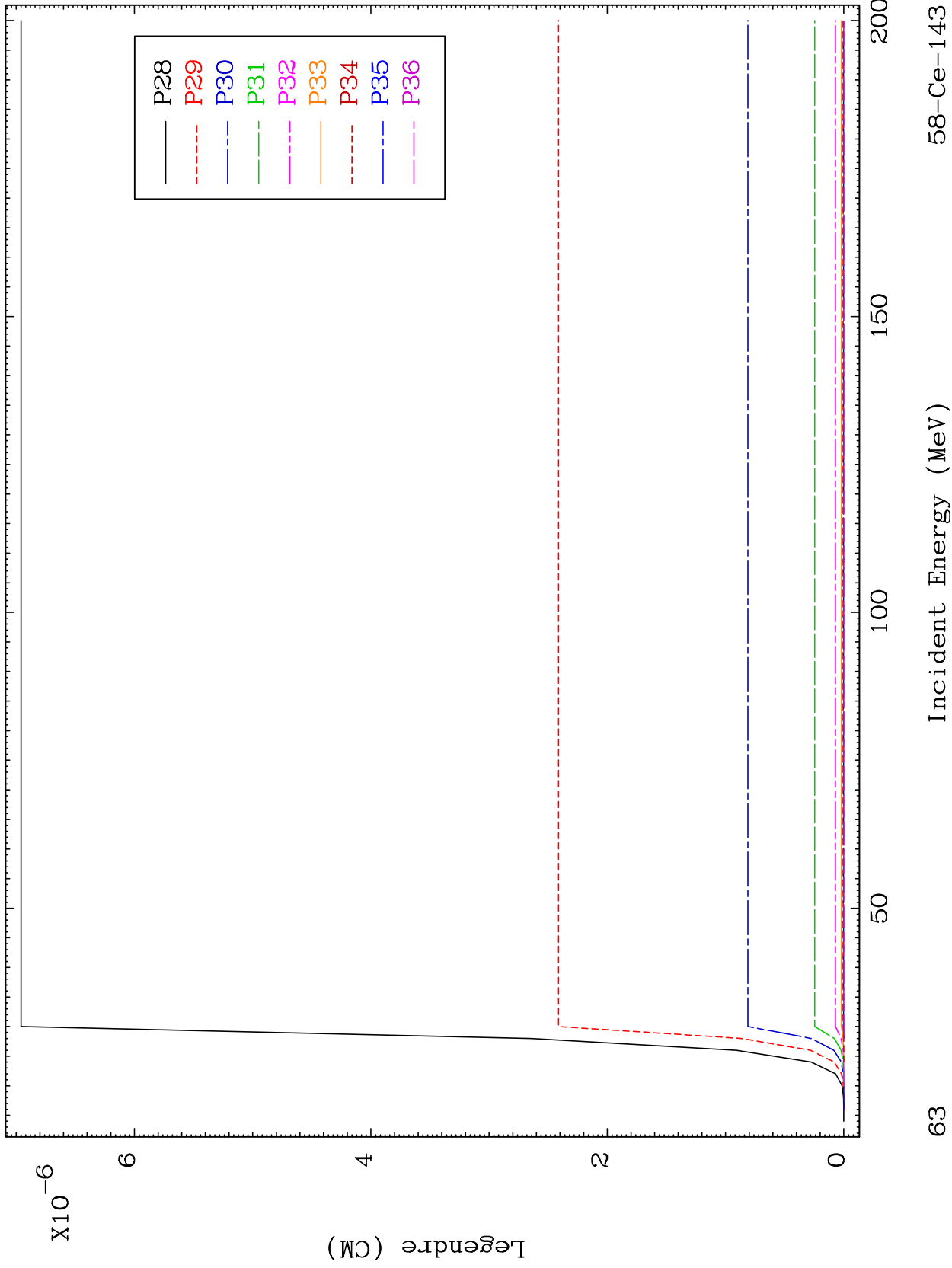
Incident Energy (MeV)

62

MAT 5846

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

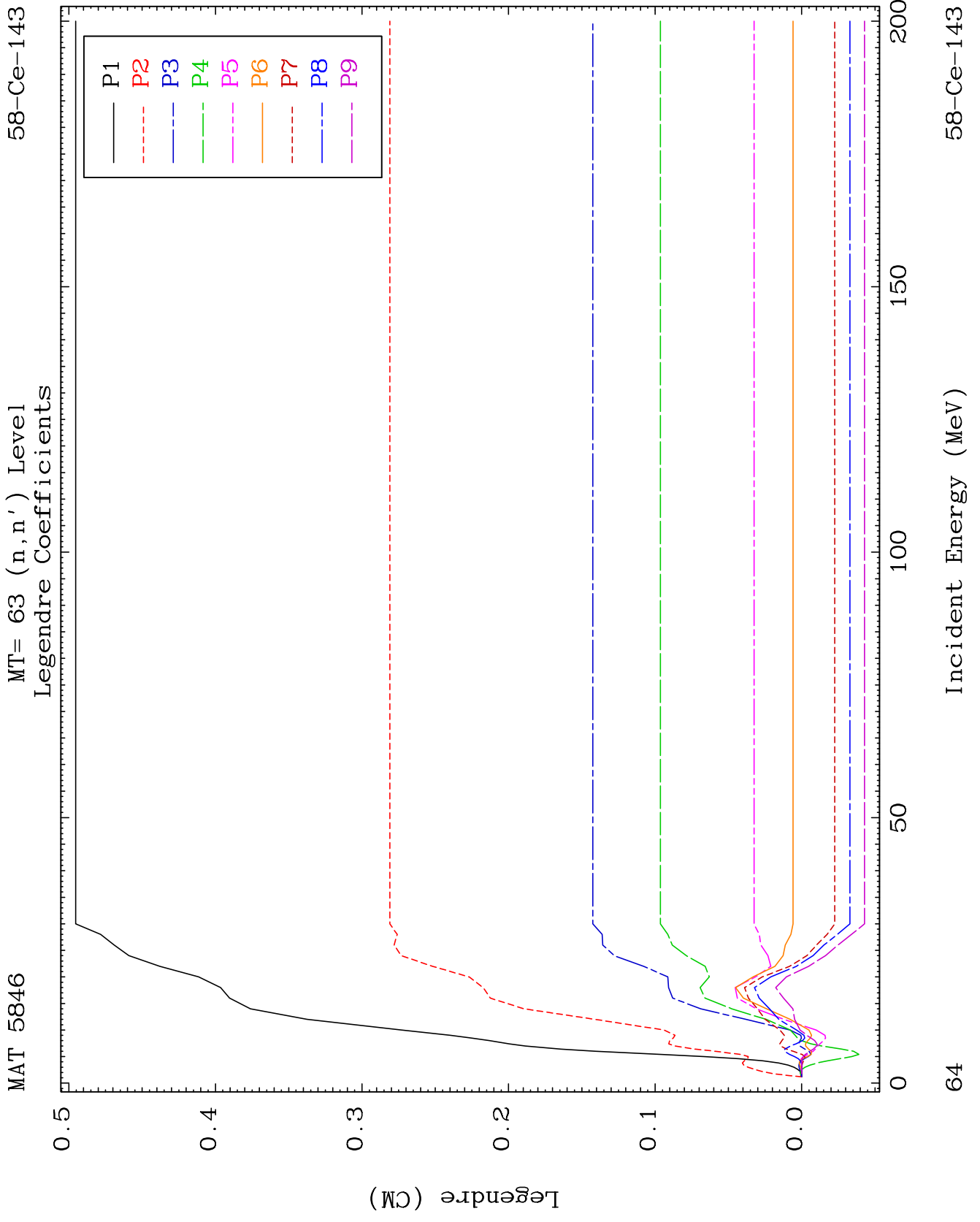
58-Ce-143

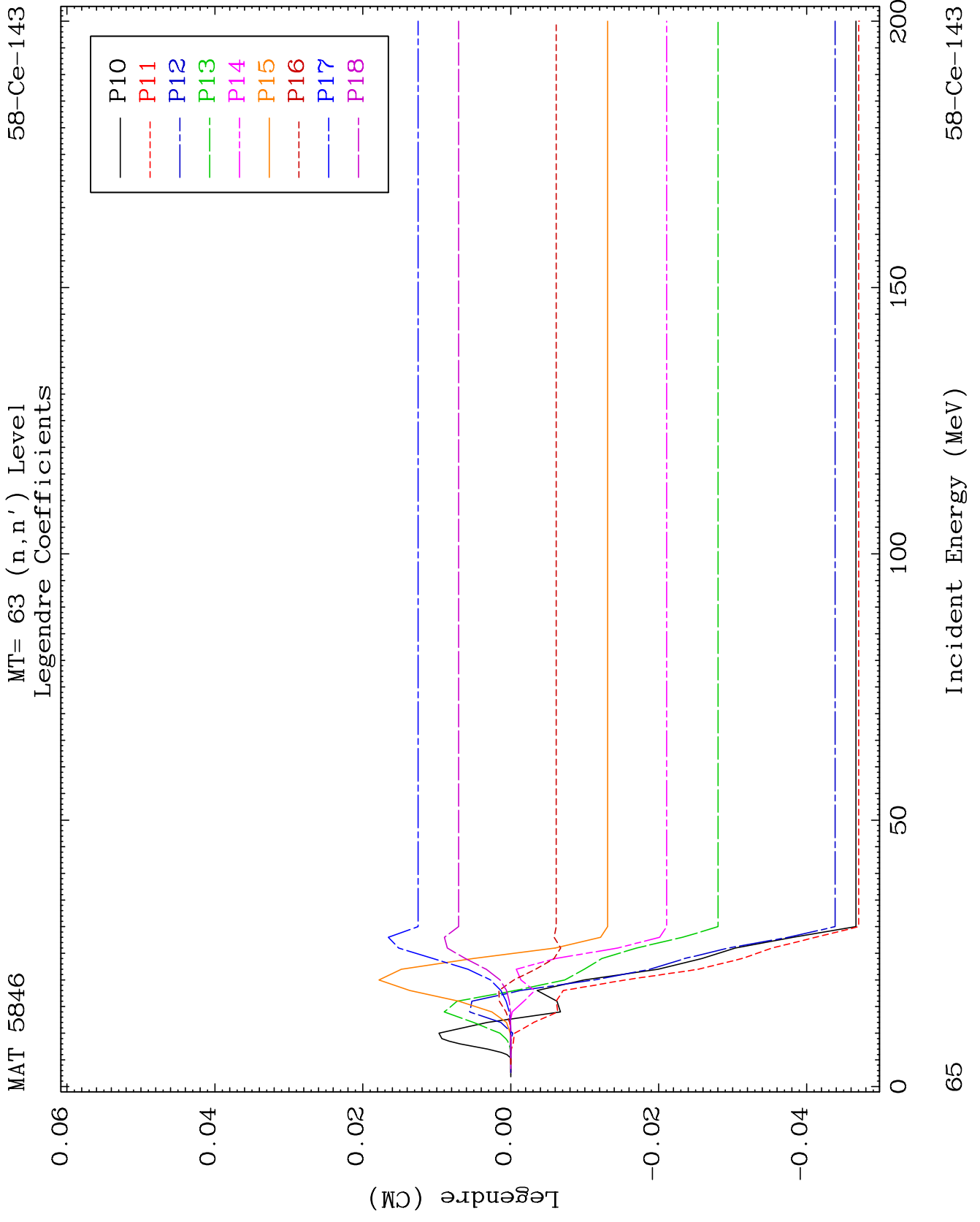


63

Incident Energy (MeV)

58-Ce-143

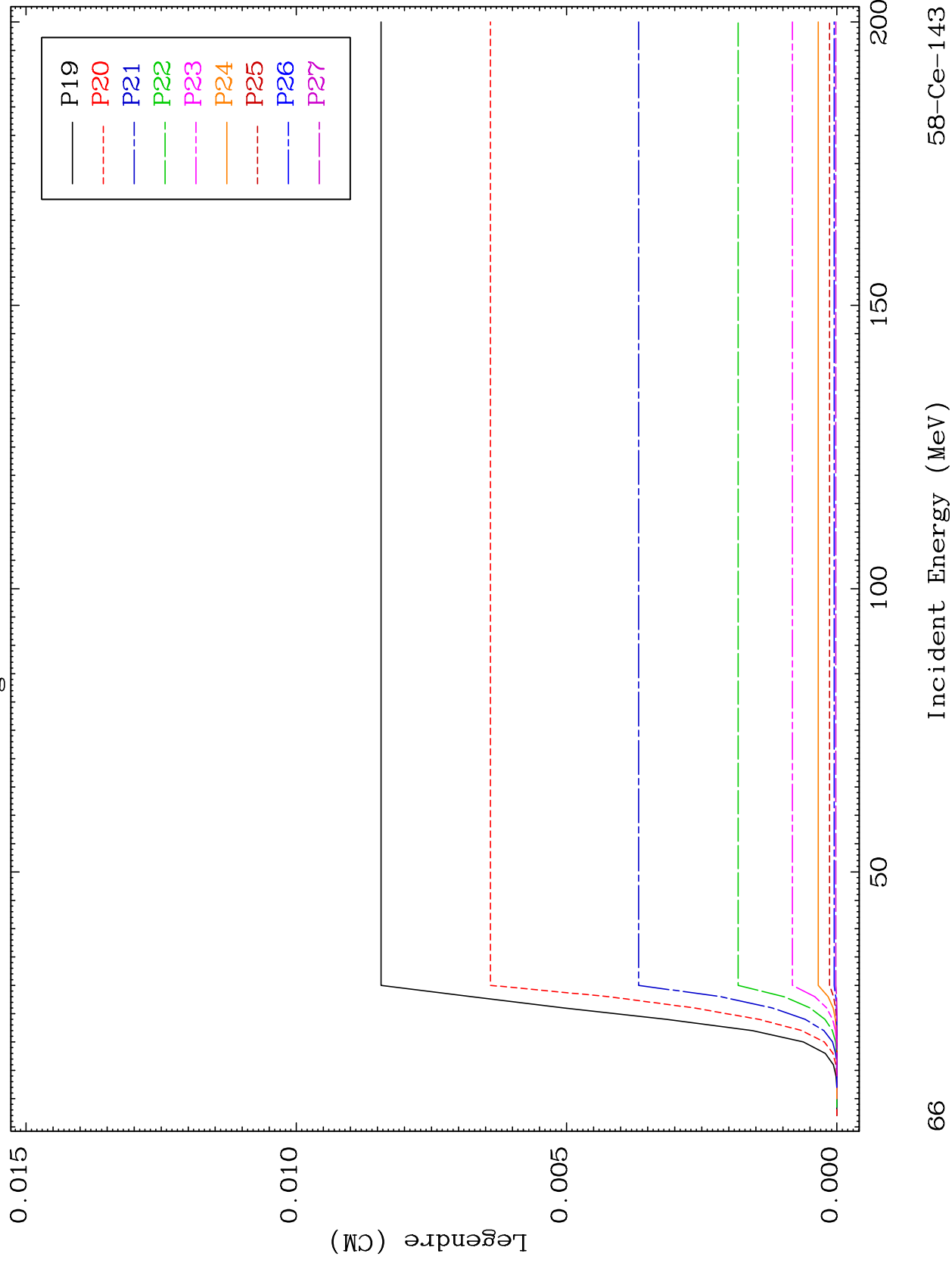




MAT 5846

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

58-Ce-143



66

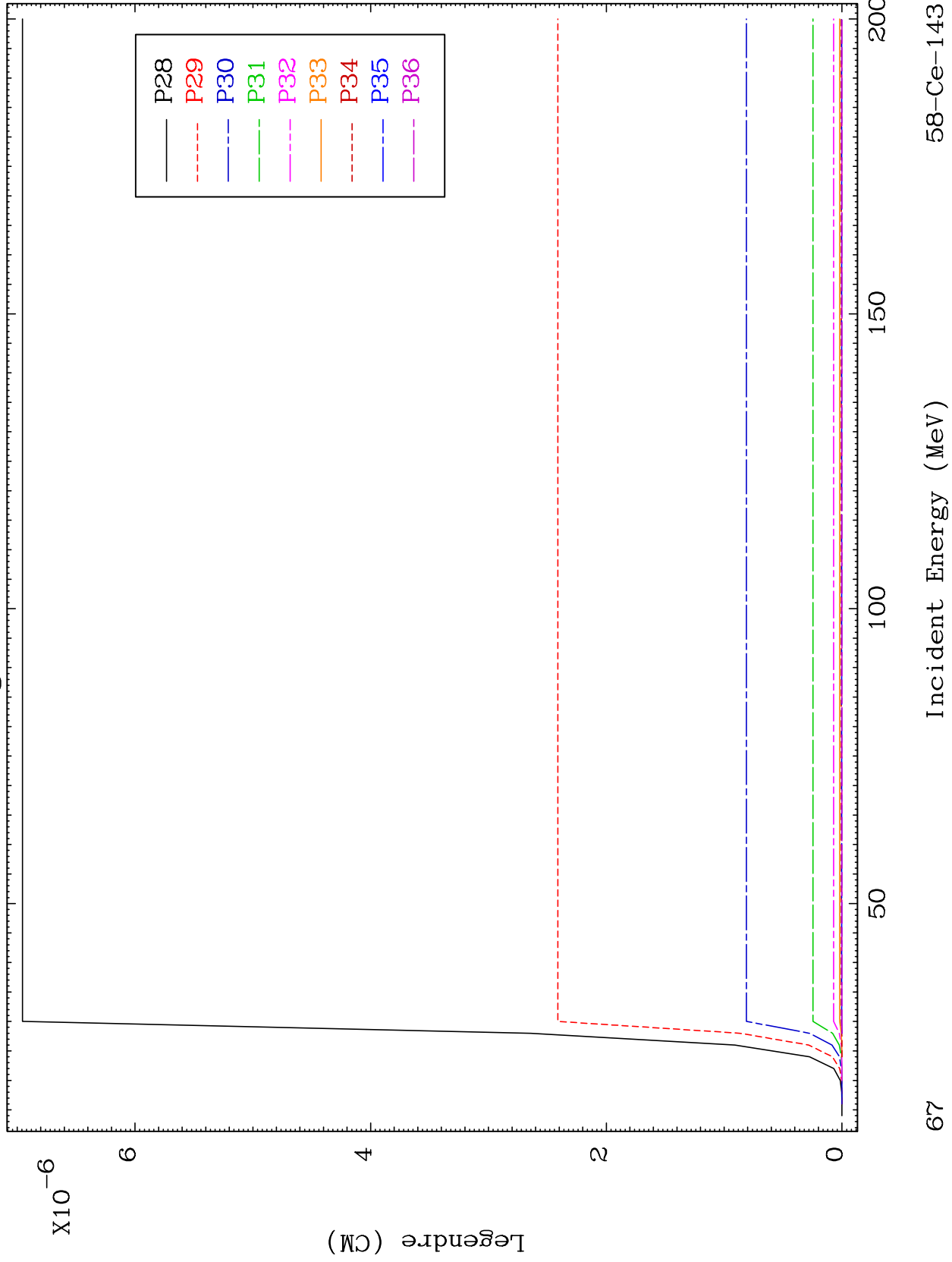
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

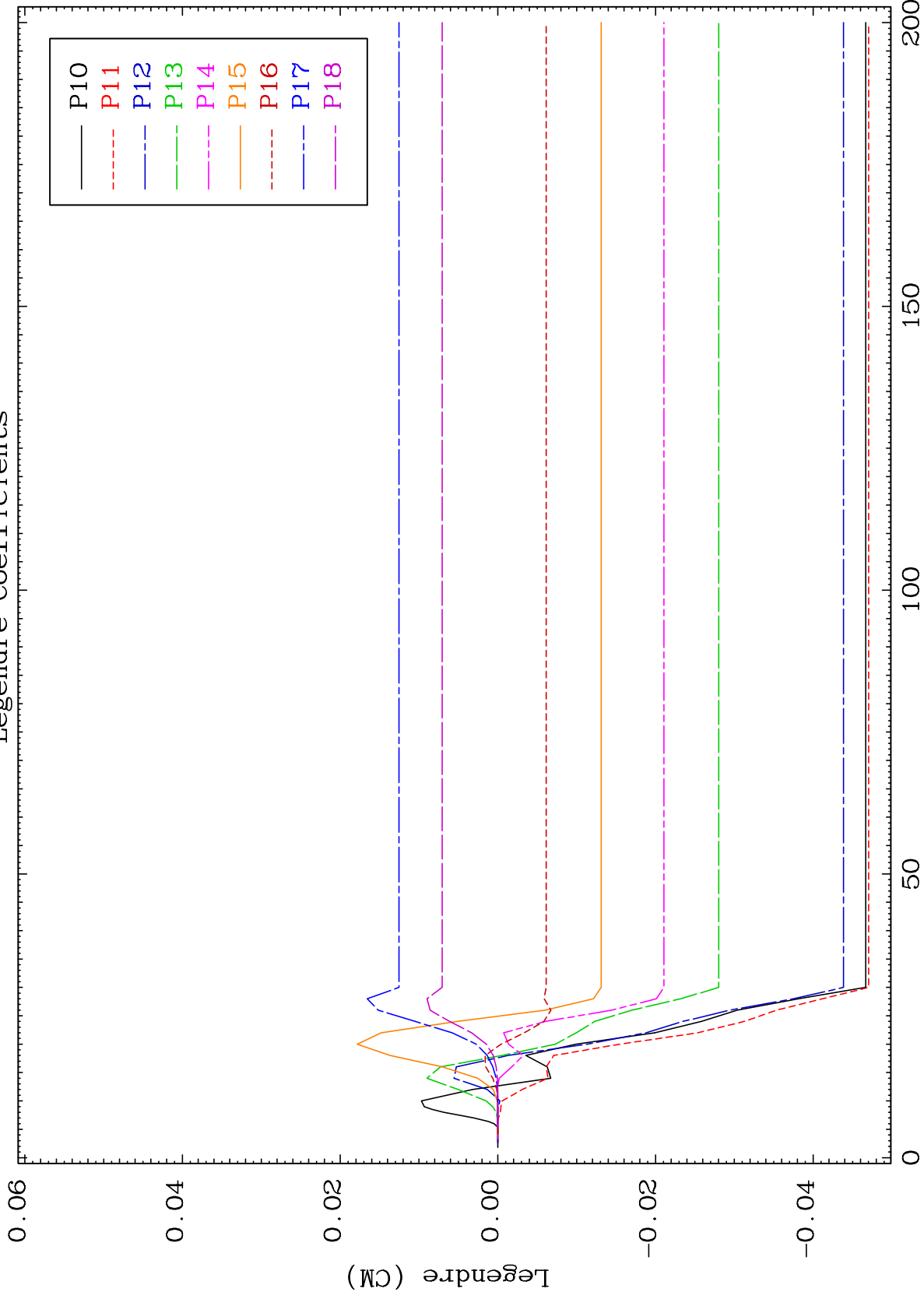
58-Ce-143



MAT 5846

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

58-Ce-143



69

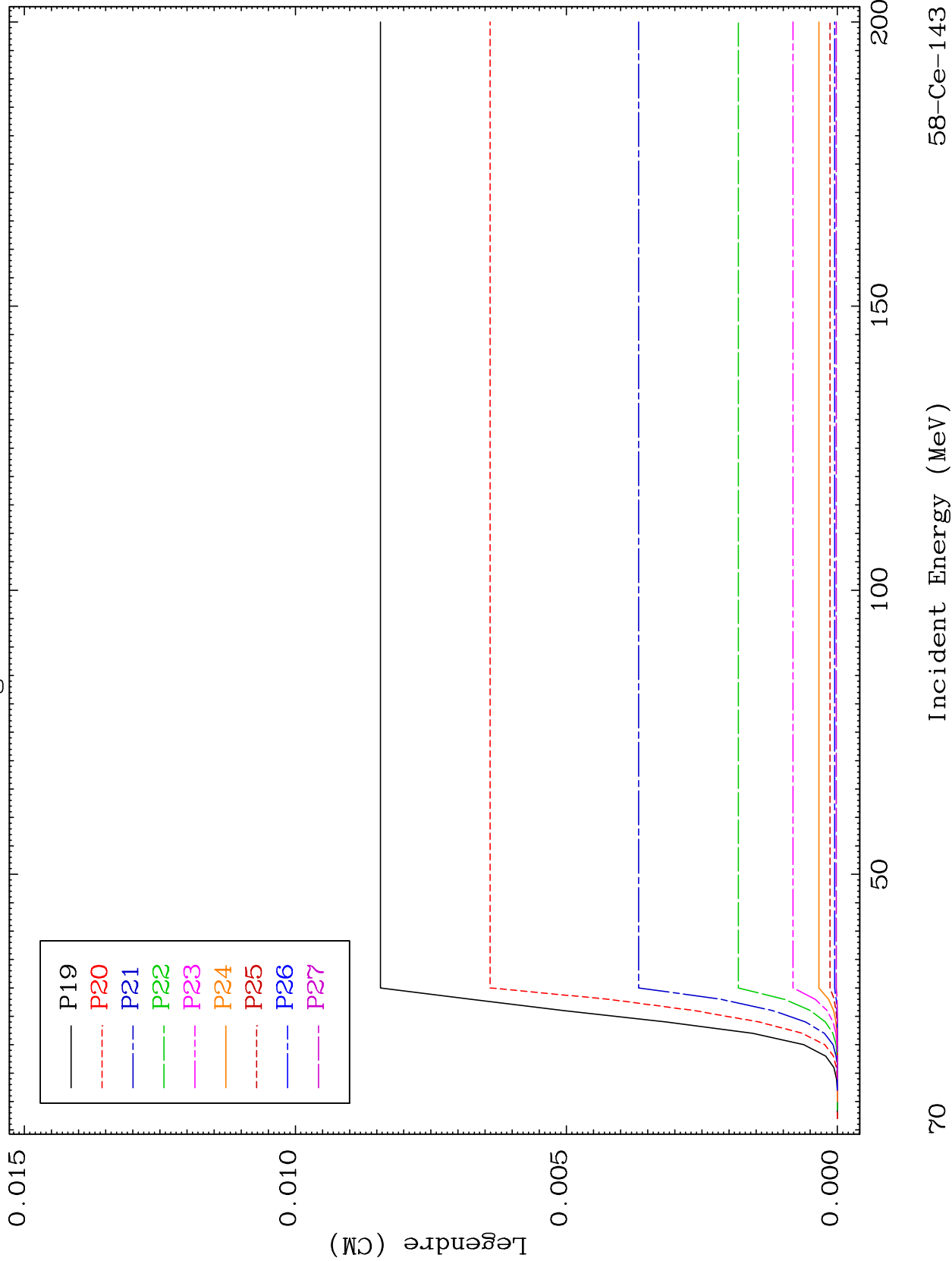
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143



58-Ce-143

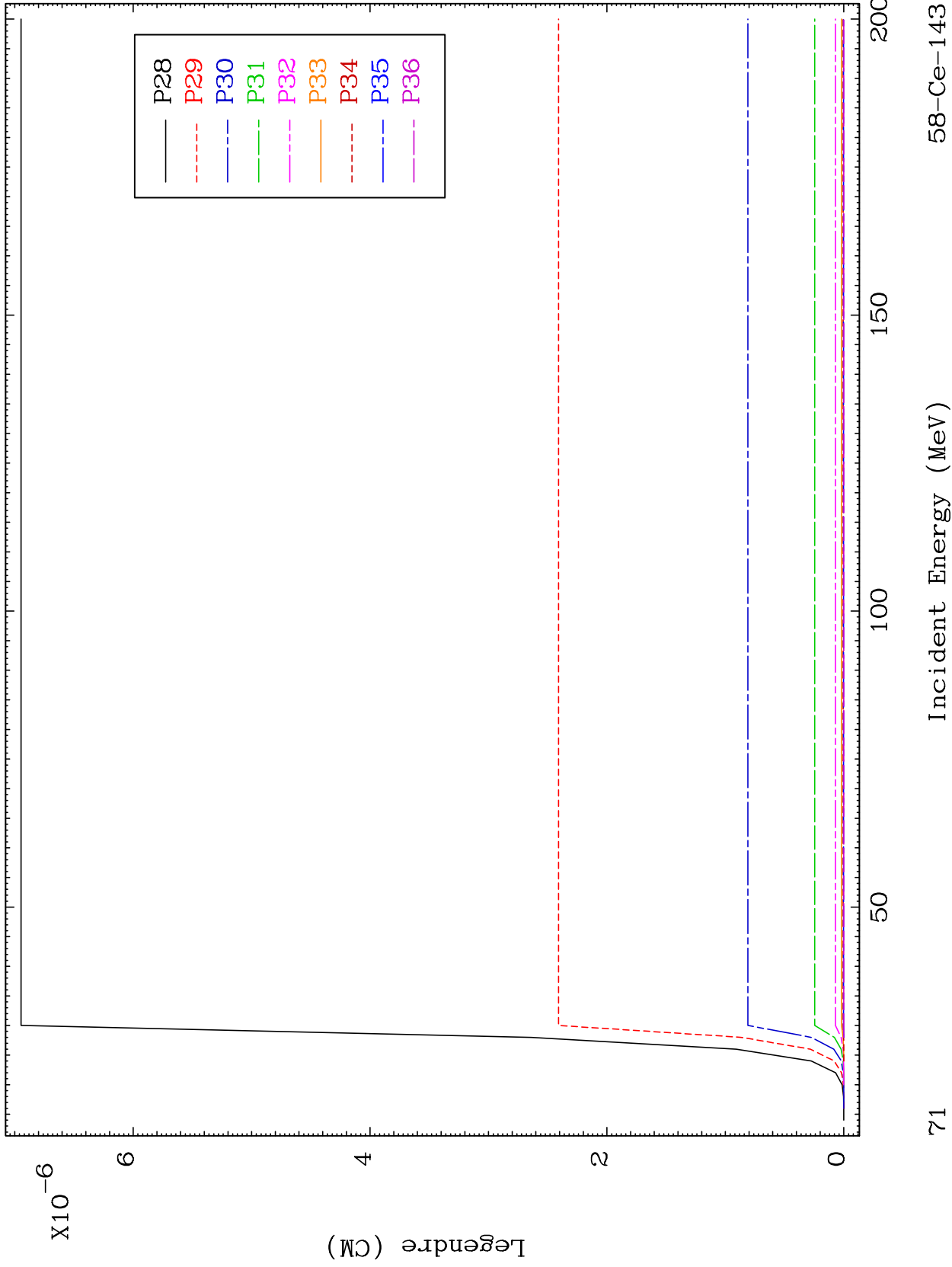
Incident Energy (MeV)

70

MAT 5846

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

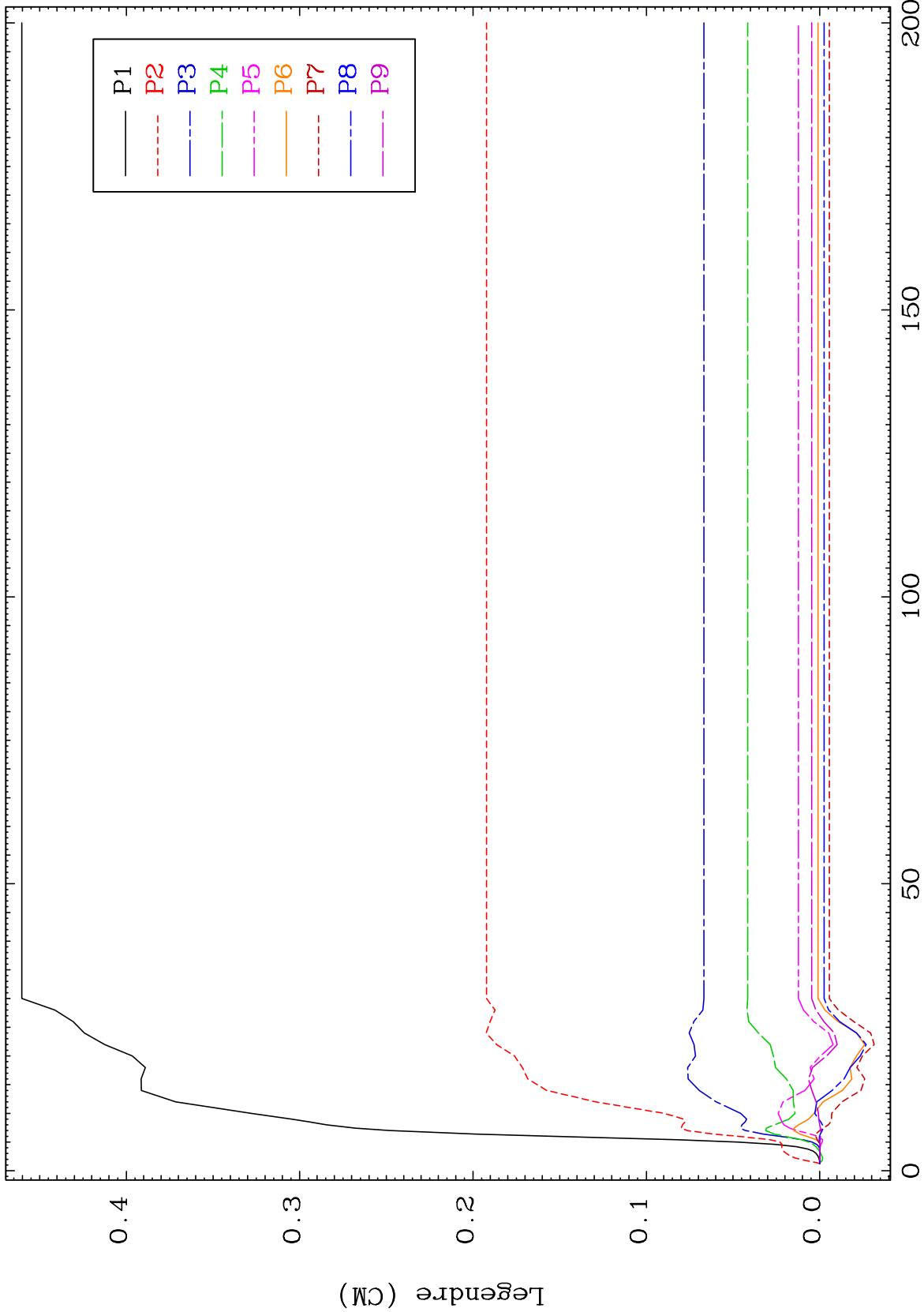
58-Ce-143



MAT 5846

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

58-Ce-143



58-Ce-143

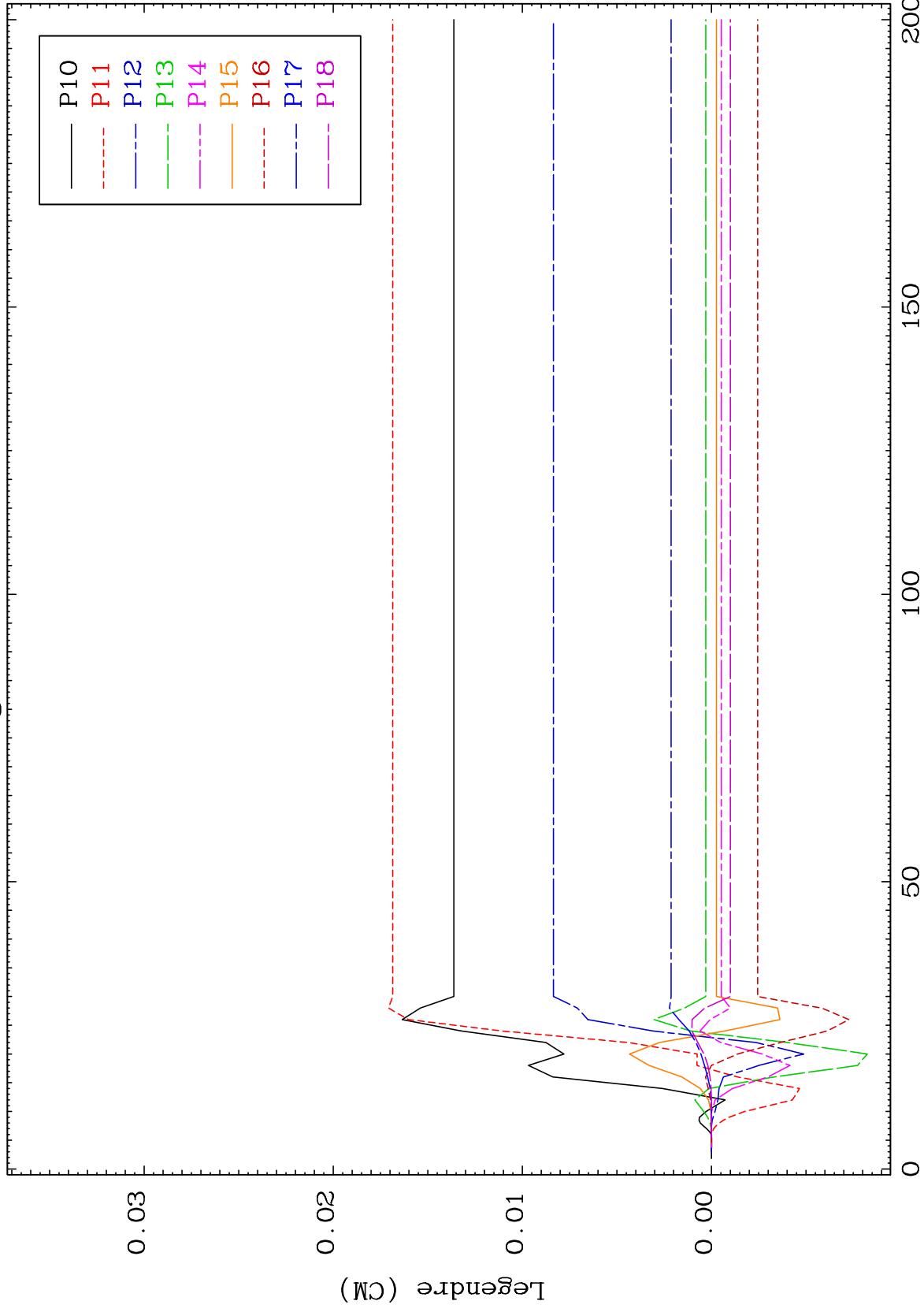
Incident Energy (MeV)

72

MAT 5846

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

58-Ce-143



73

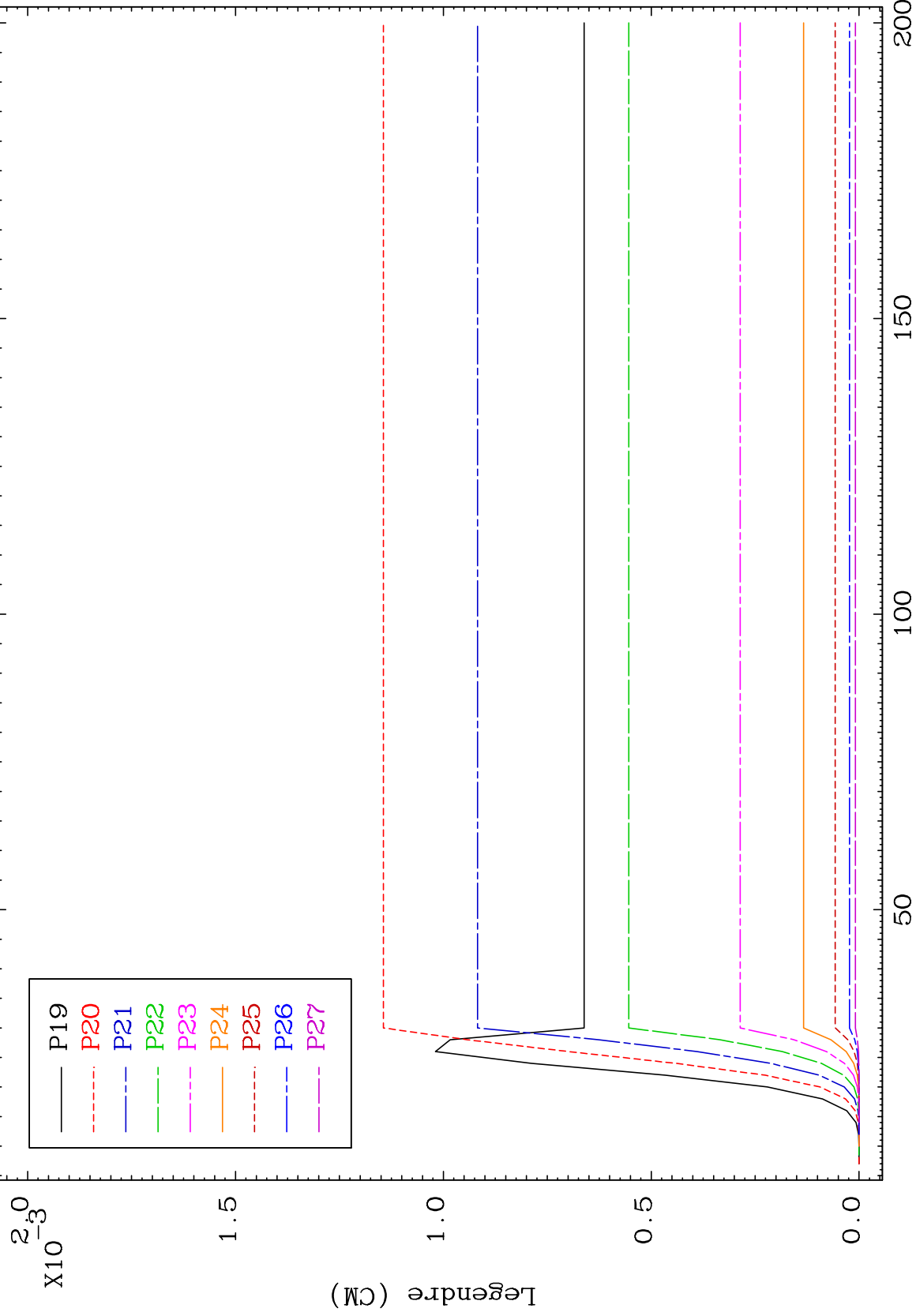
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143



74

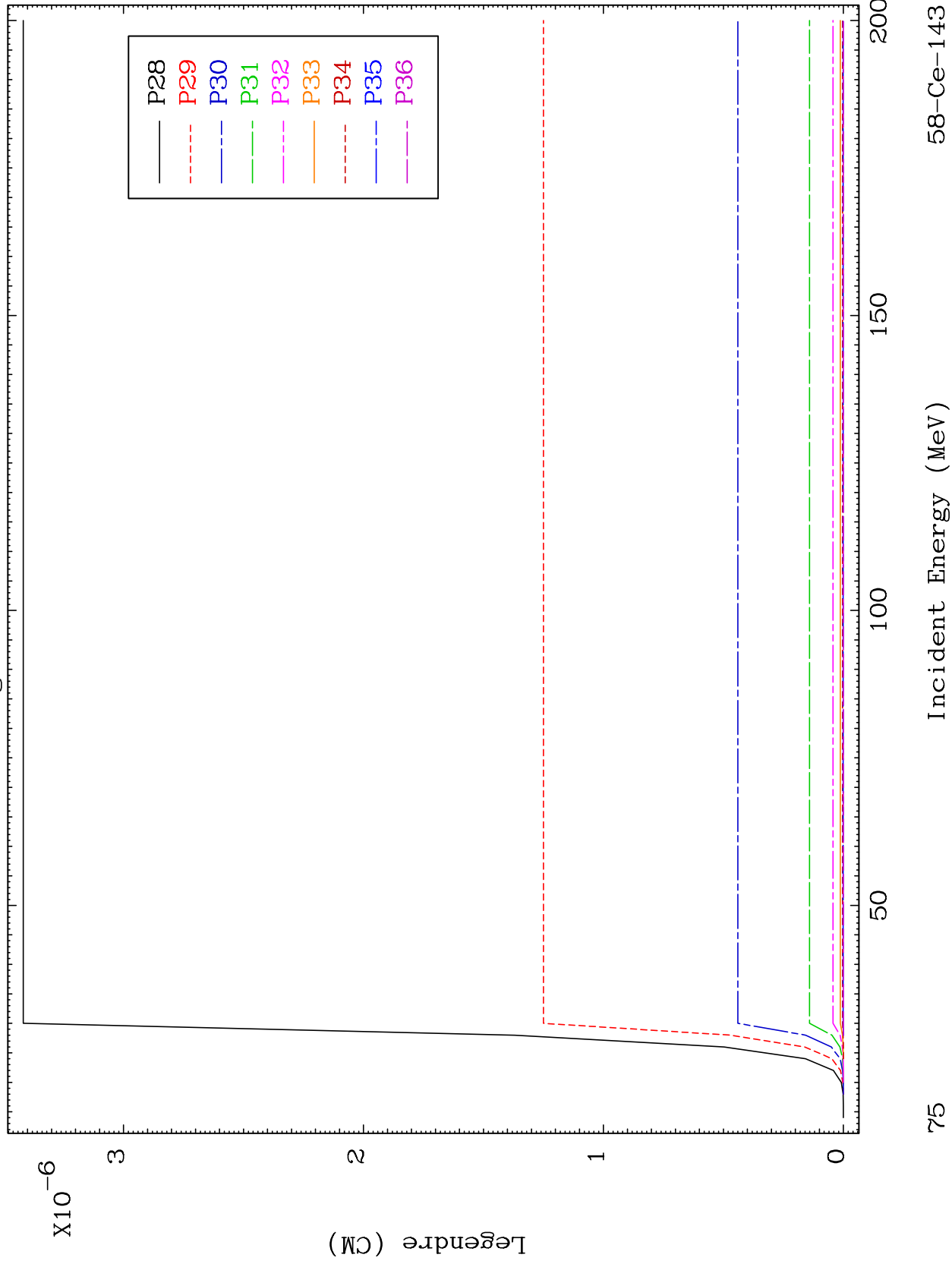
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143



75

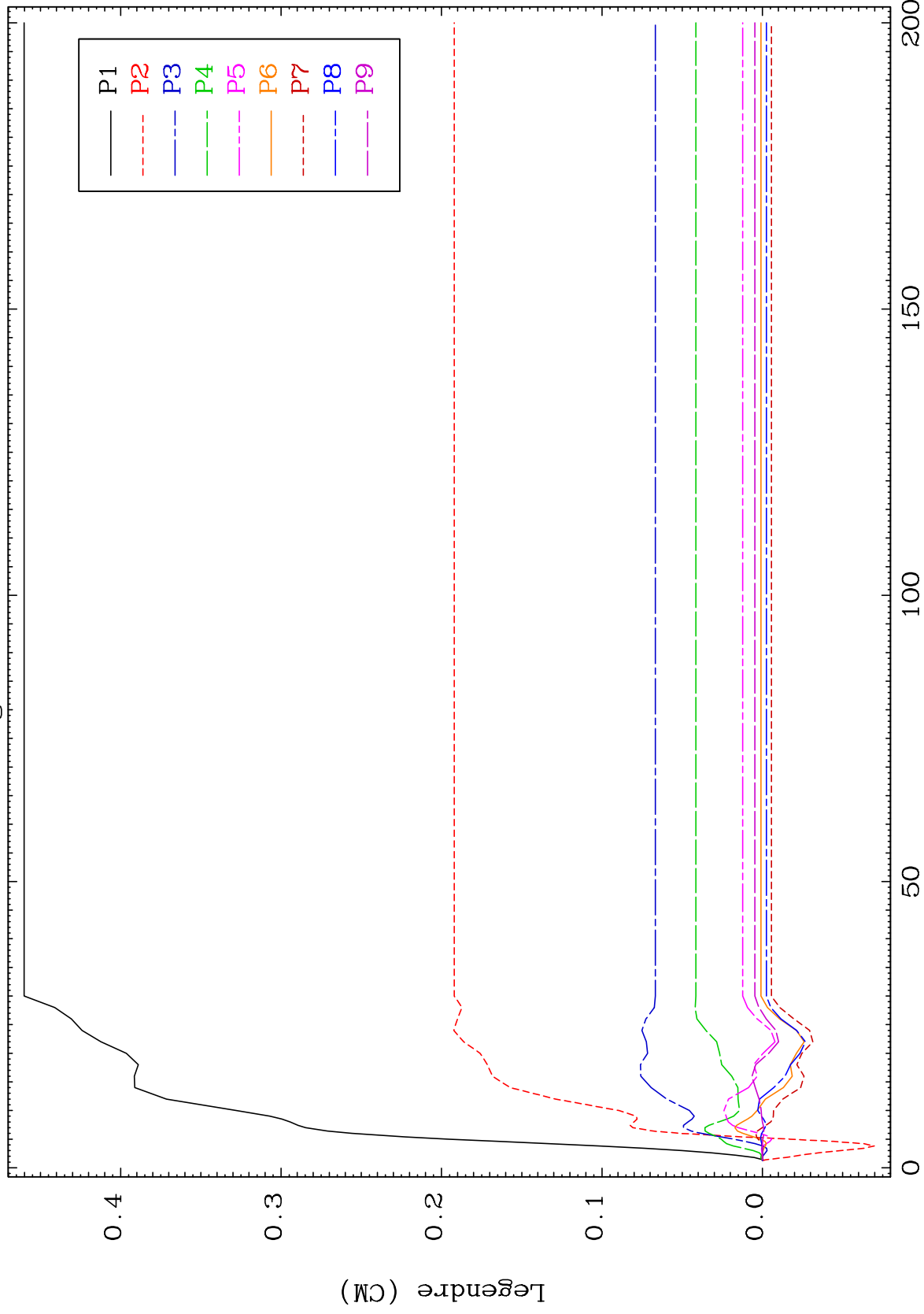
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143



58-Ce-143

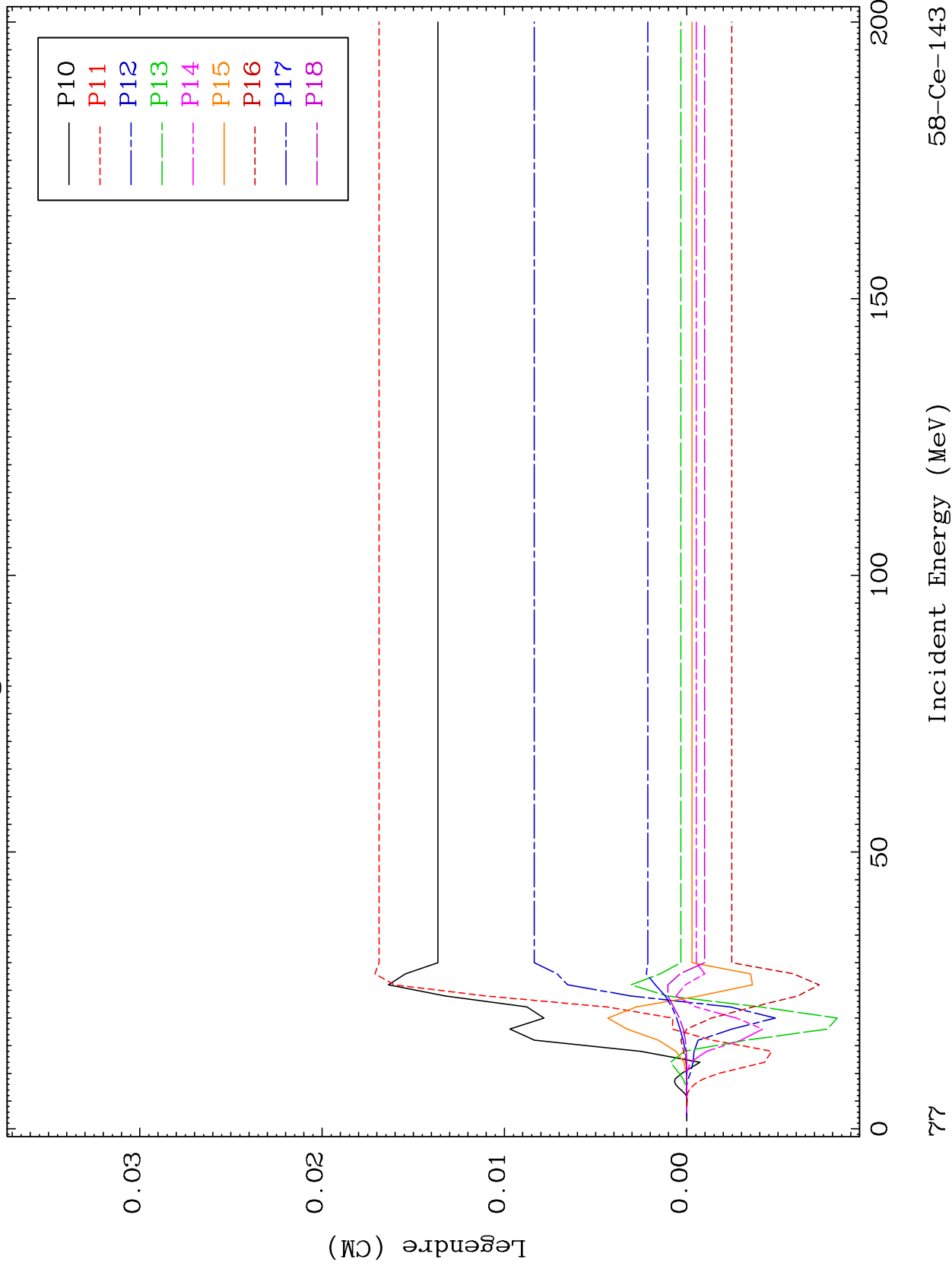
Incident Energy (MeV)

76

MAT 5846

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

58-Ce-143



58-Ce-143

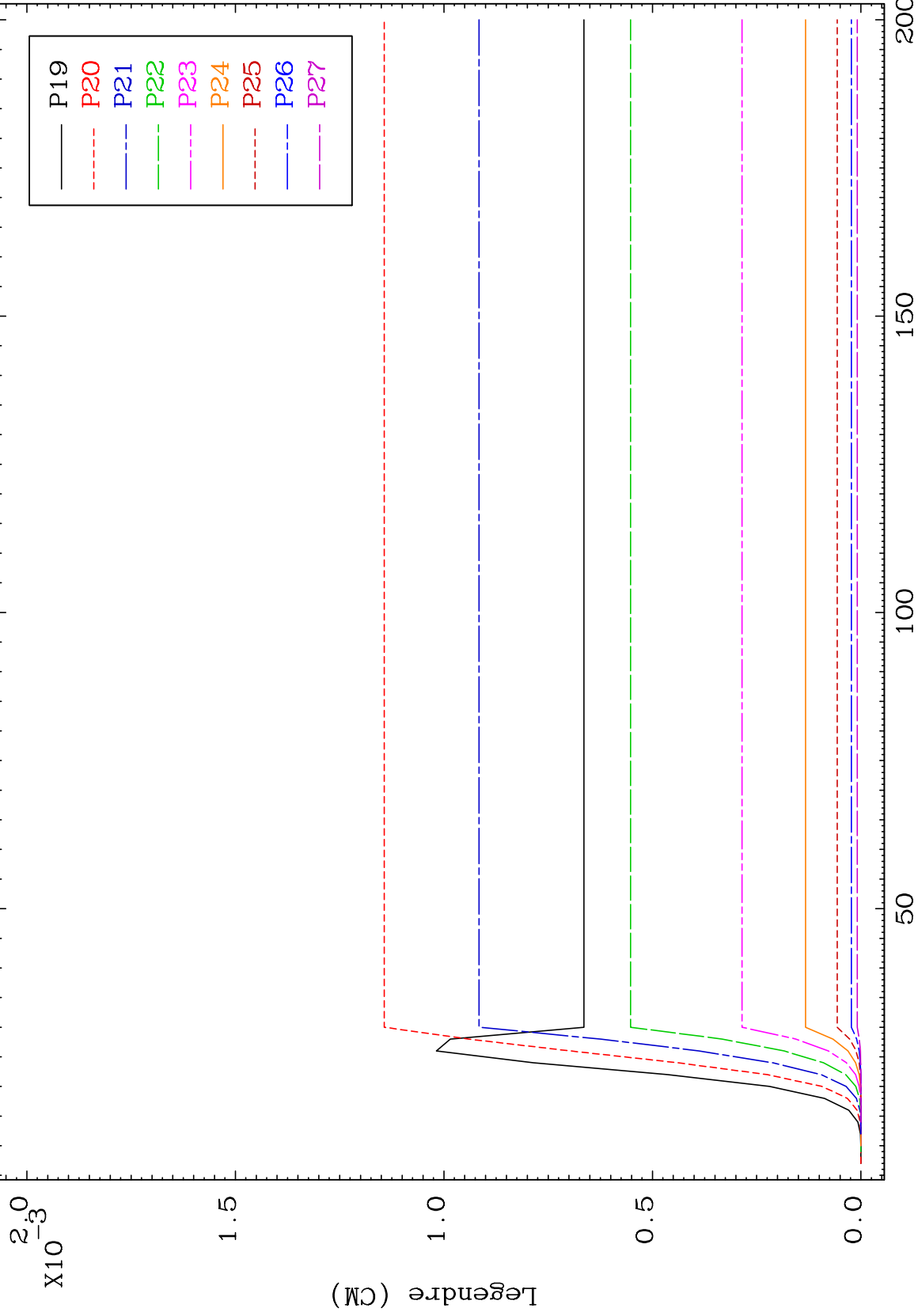
Incident Energy (MeV)

77

MAT 5846

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

58-Ce-143



78

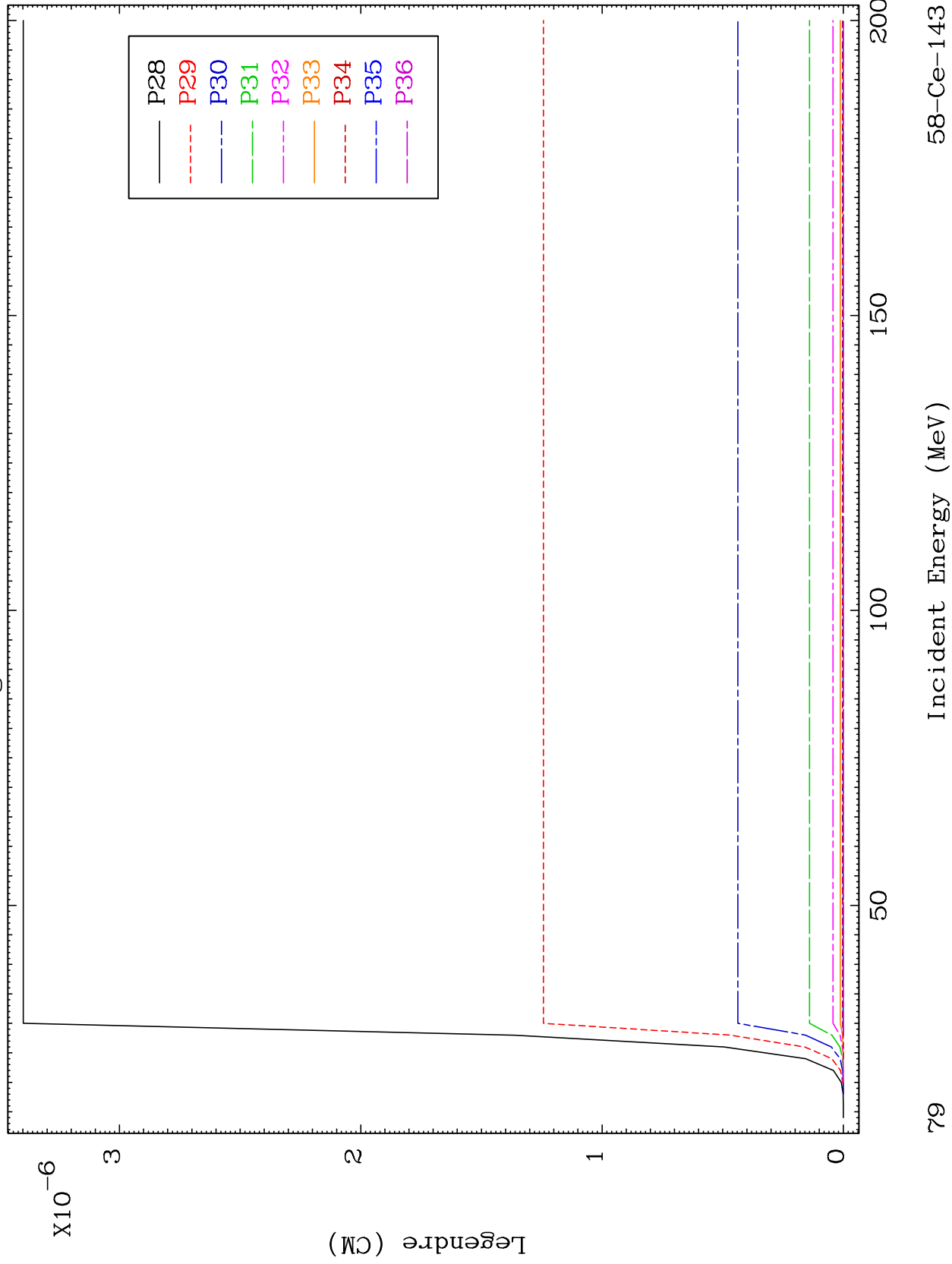
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143



79

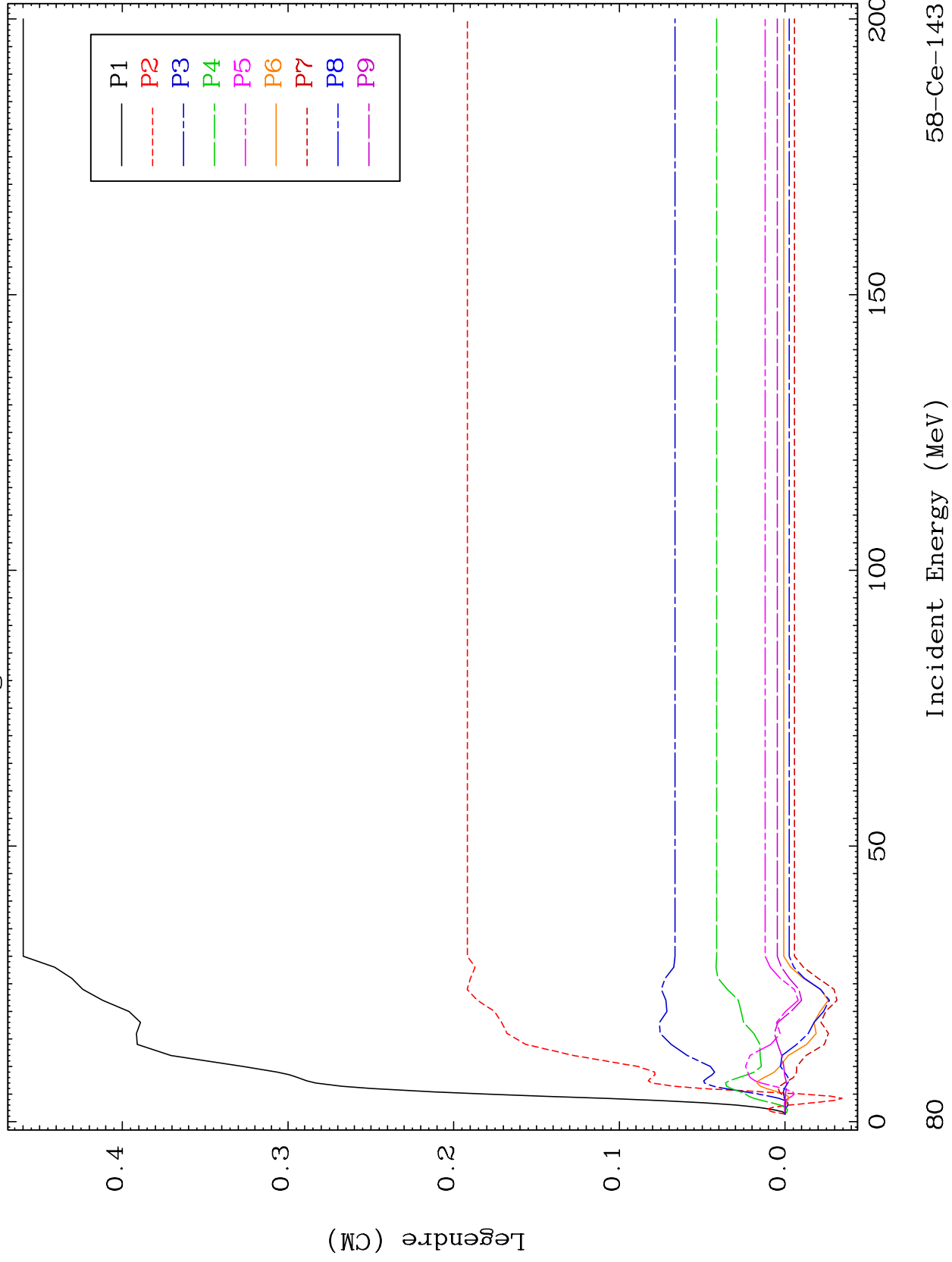
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143

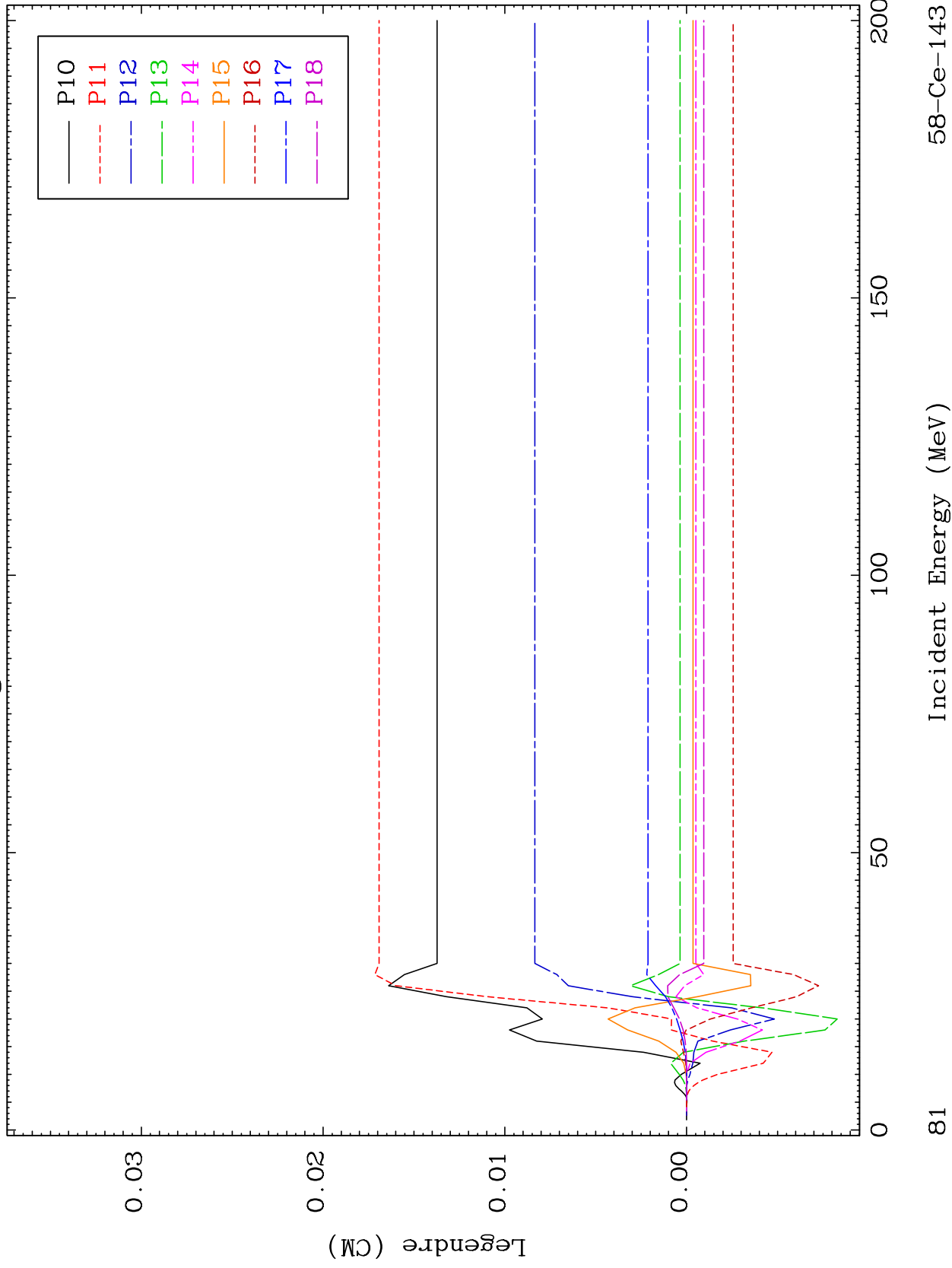


58-Ce-143

MAT 5846

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

58-Ce-143



58-Ce-143

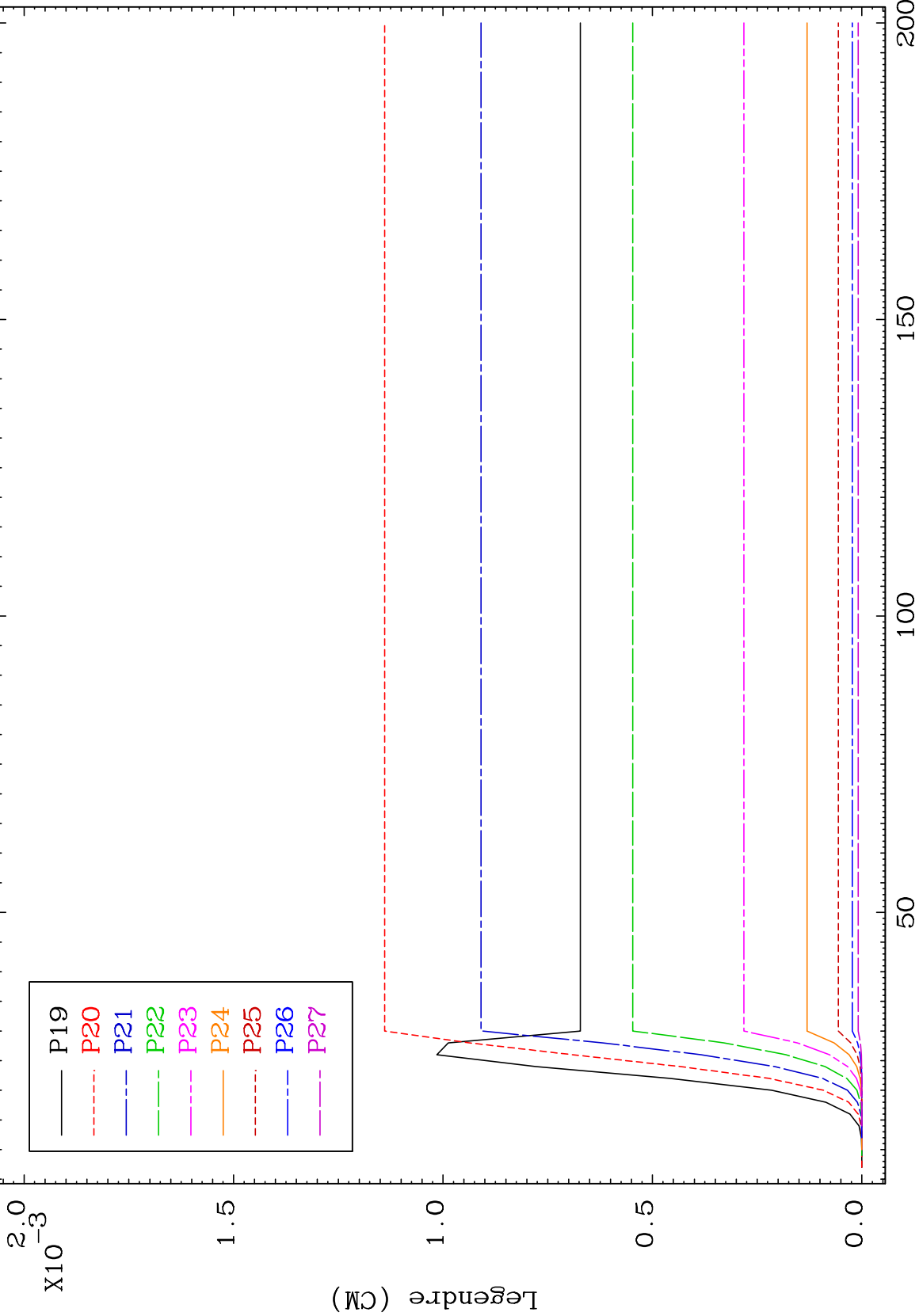
Incident Energy (MeV)

81

MAT 5846

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

58-Ce-143



82

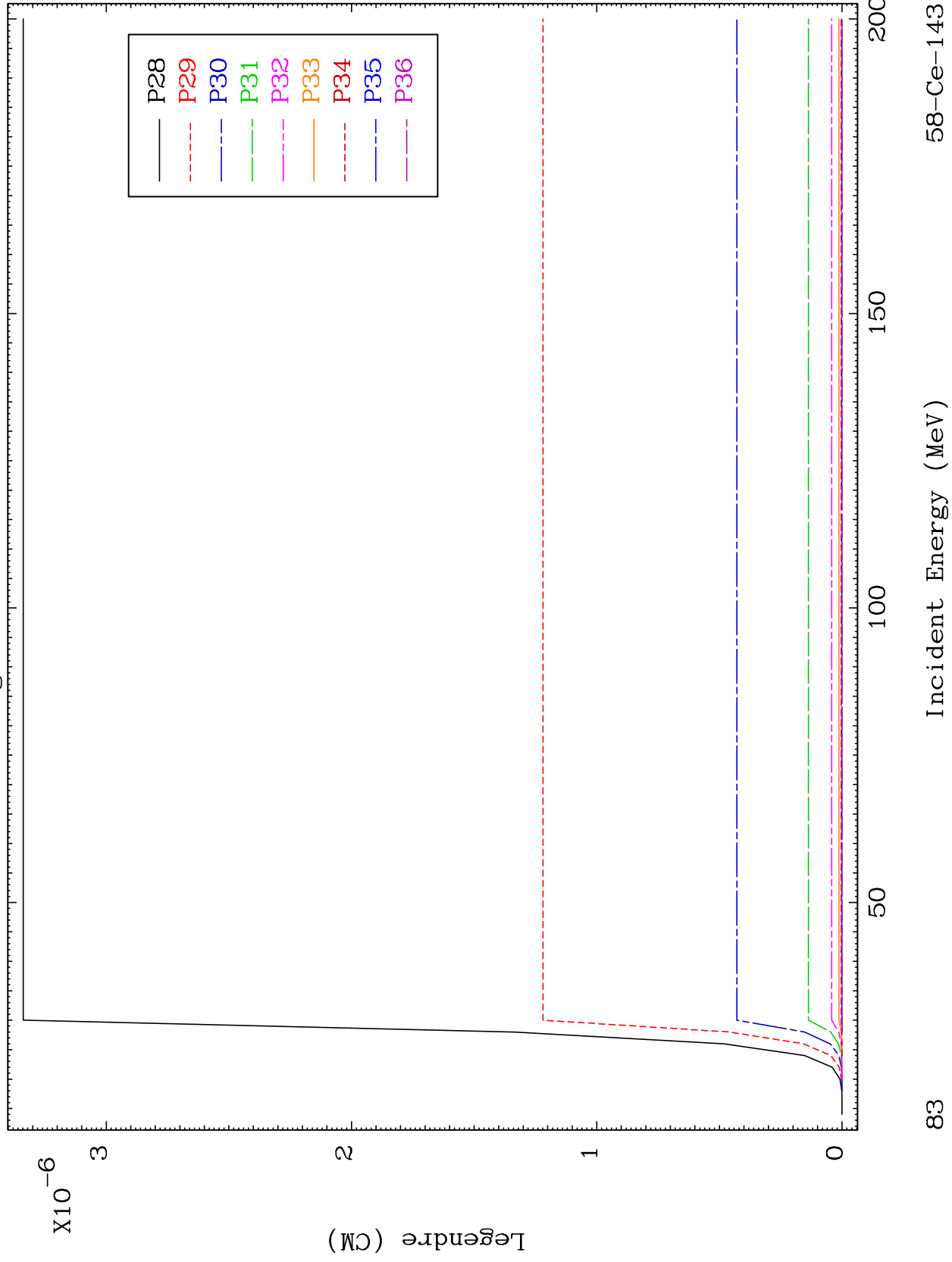
Incident Energy (MeV)

58-Ce-143

MAT 5846

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

58-Ce-143

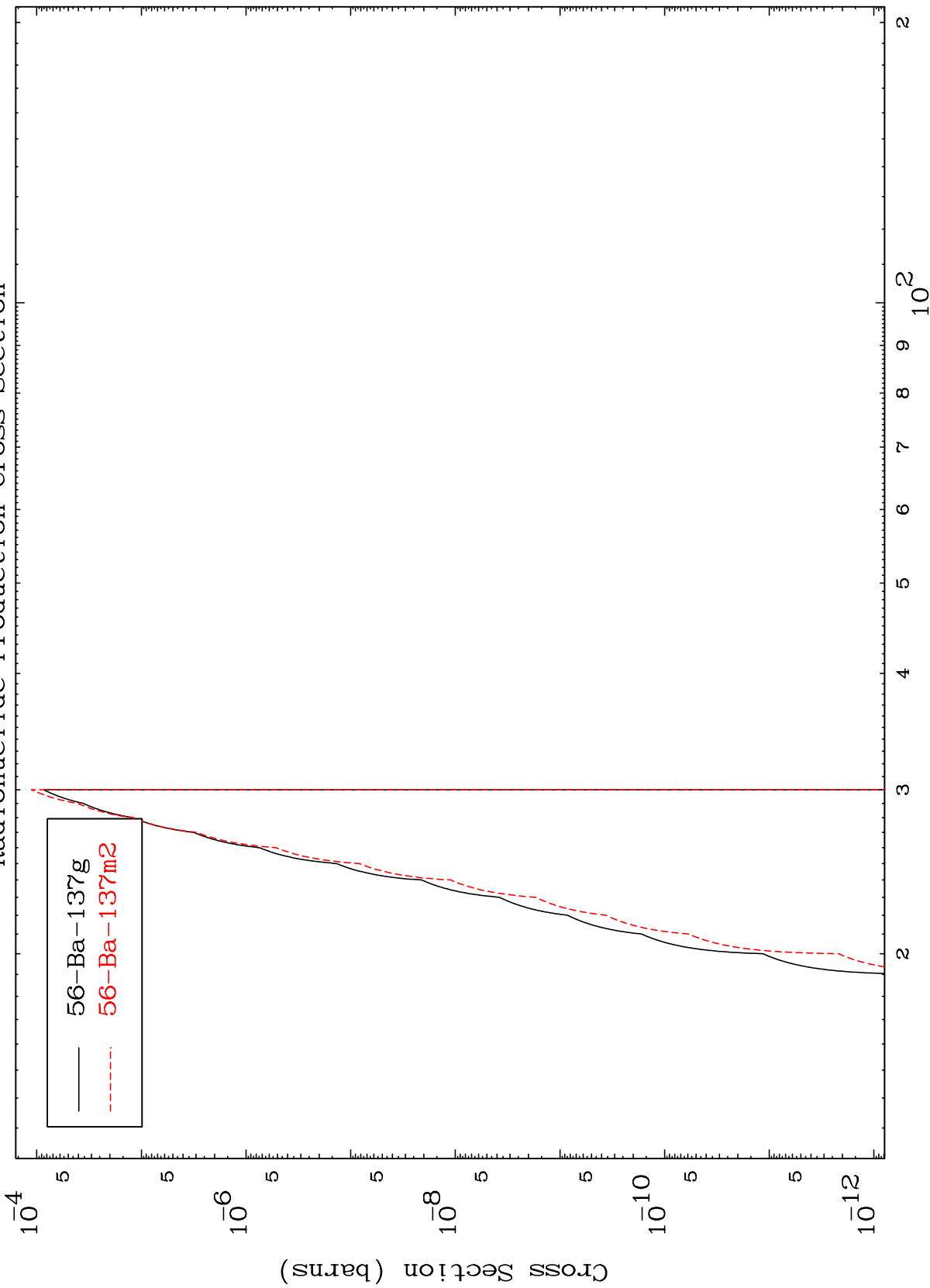


MAT 5846

(n,3n) α

58-Ce-143

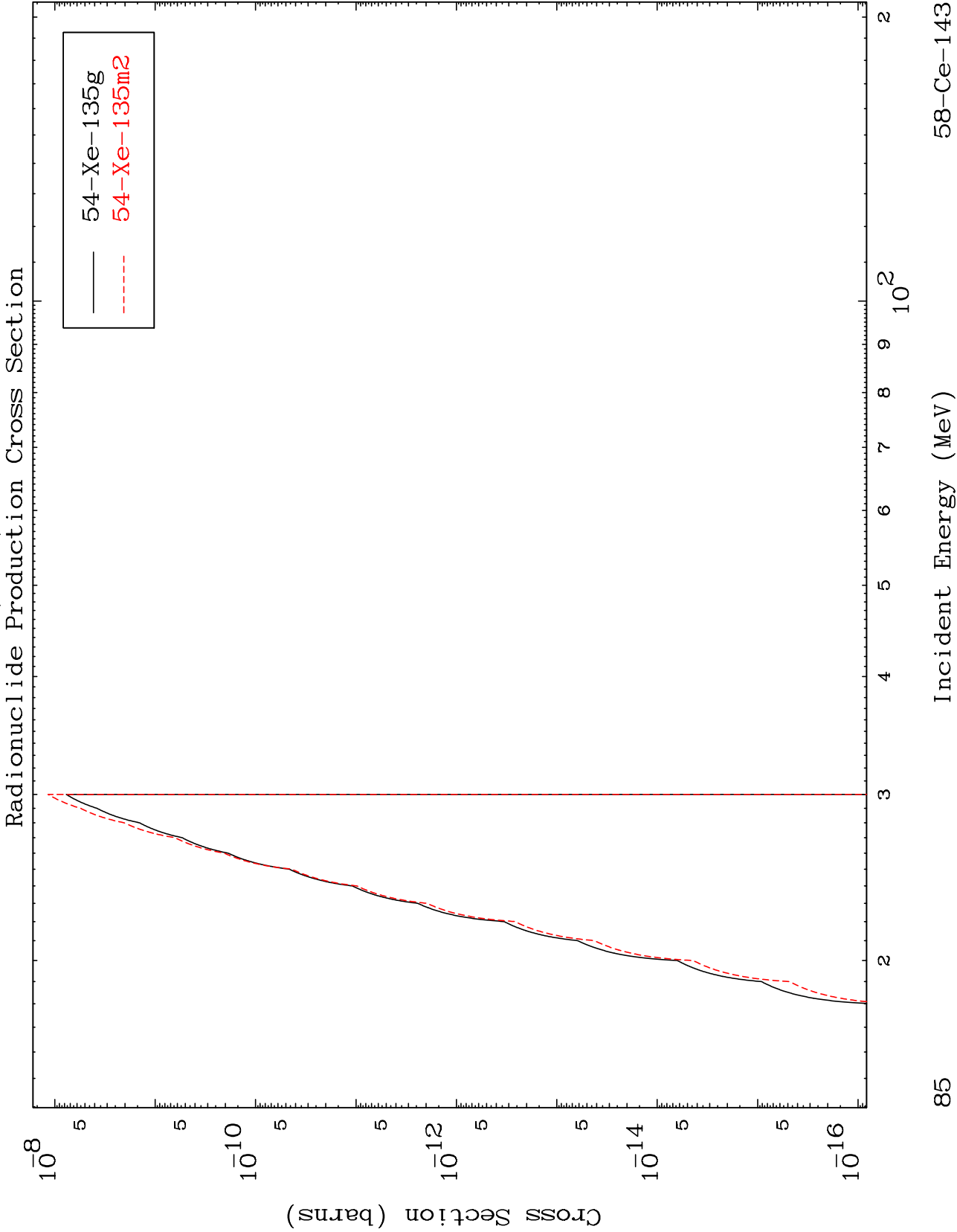
Radionuclide Production Cross Section



MAT 5846

(n,n') 2 α

58-Ce-143



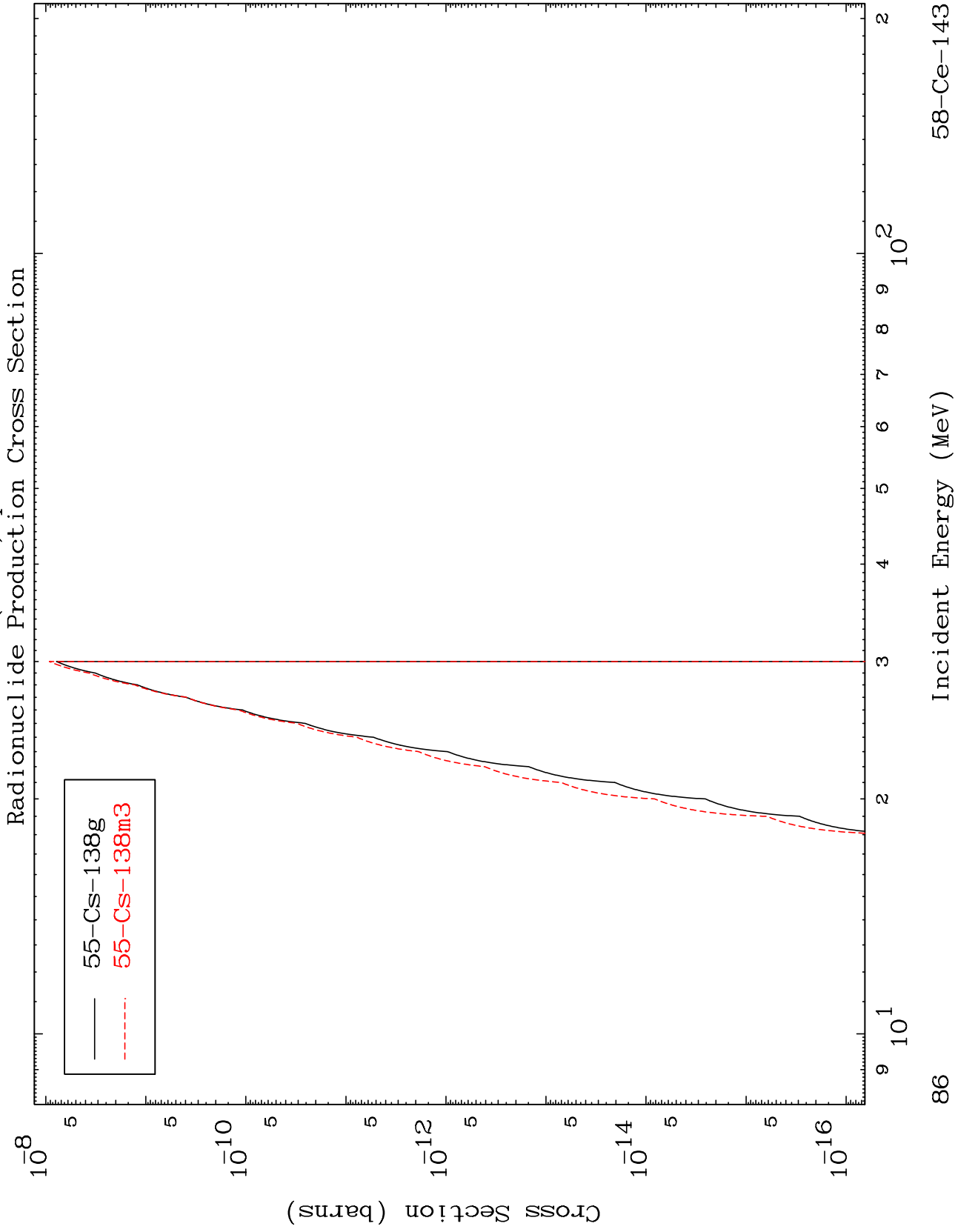
85

58-Ce-143

MAT 5846

(n,n') p α

58-Ce-143



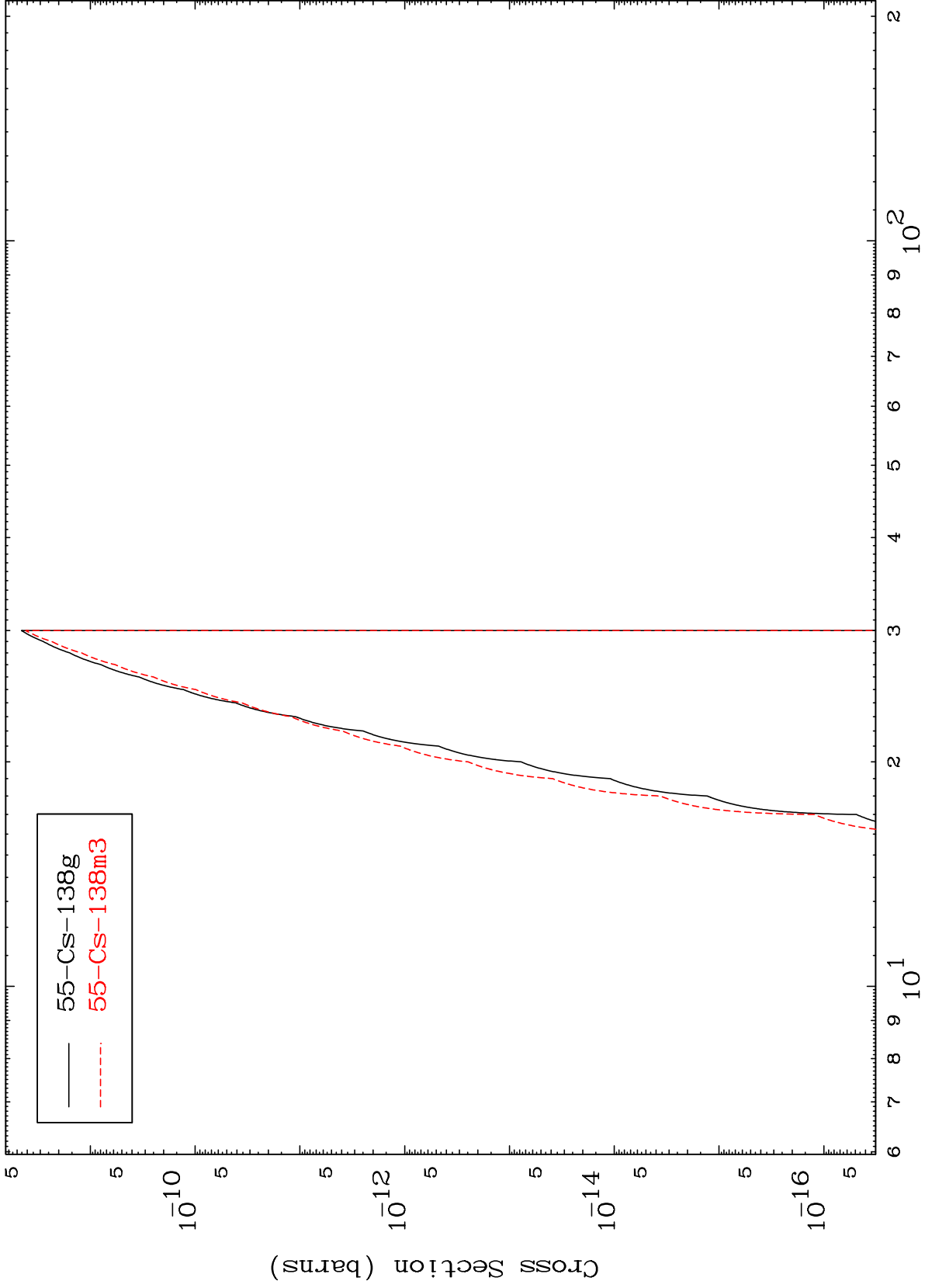
86

MAT 5846

(n,d) α

58-Ce-143

Radionuclide Production Cross Section



87

Incident Energy (MeV)

58-Ce-143