

Program EVALPLOT  
(Version 2021-1)

by

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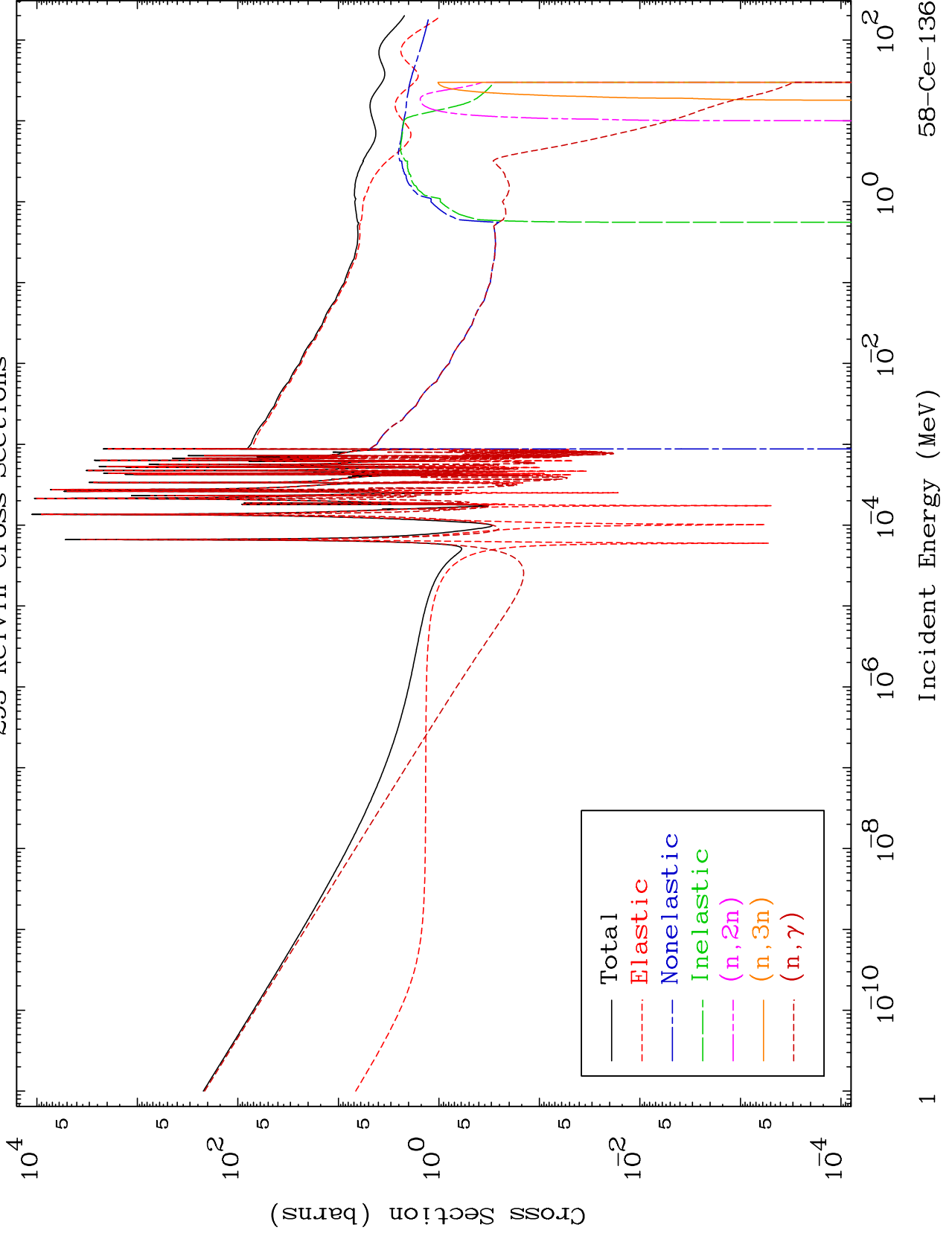
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5825

Neutron Major  
293 Kelvin Cross Sections

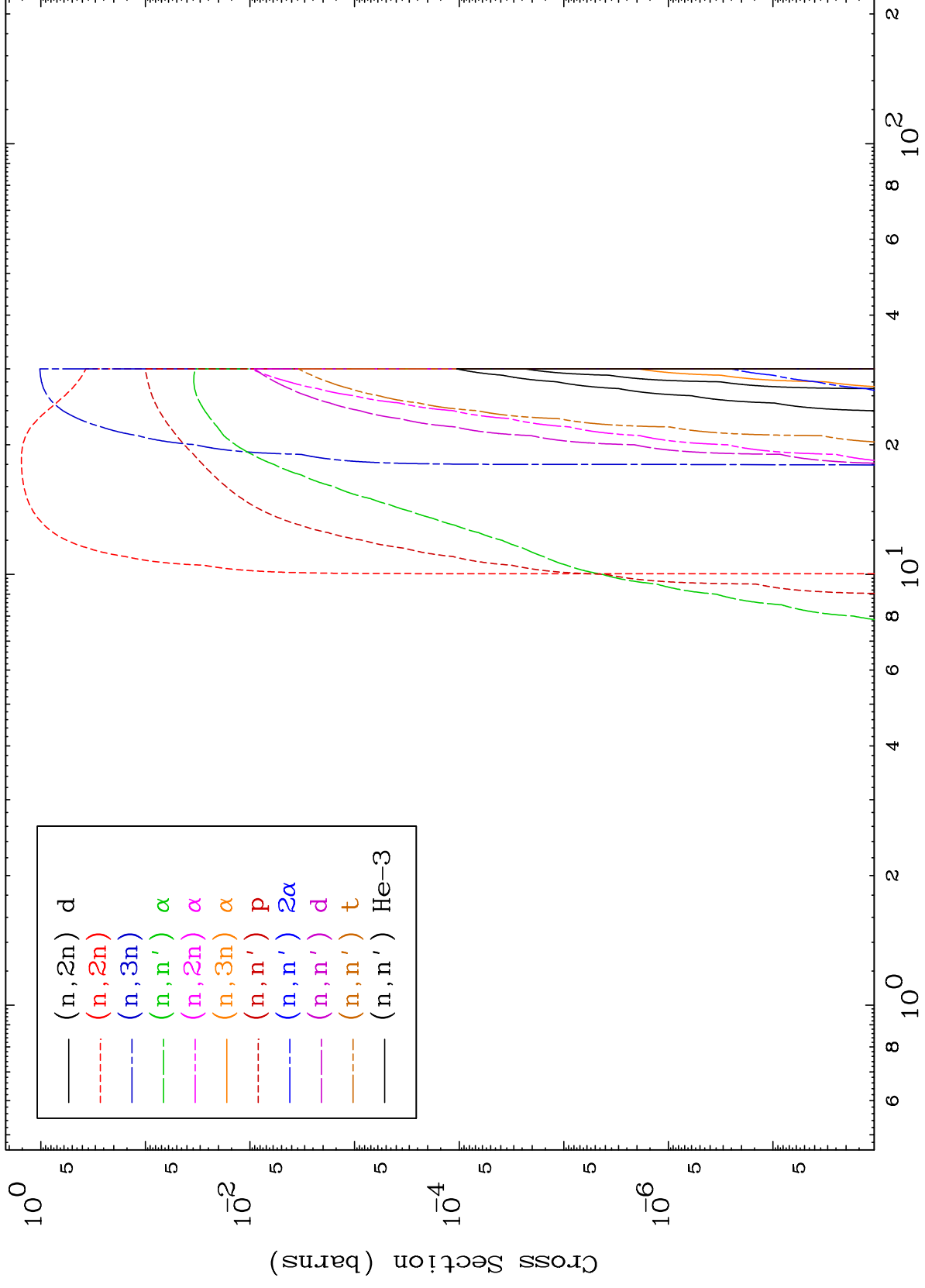
58-Ce-136



MAT 5825

Neutron Absorption  
293 Kelvin Cross Sections

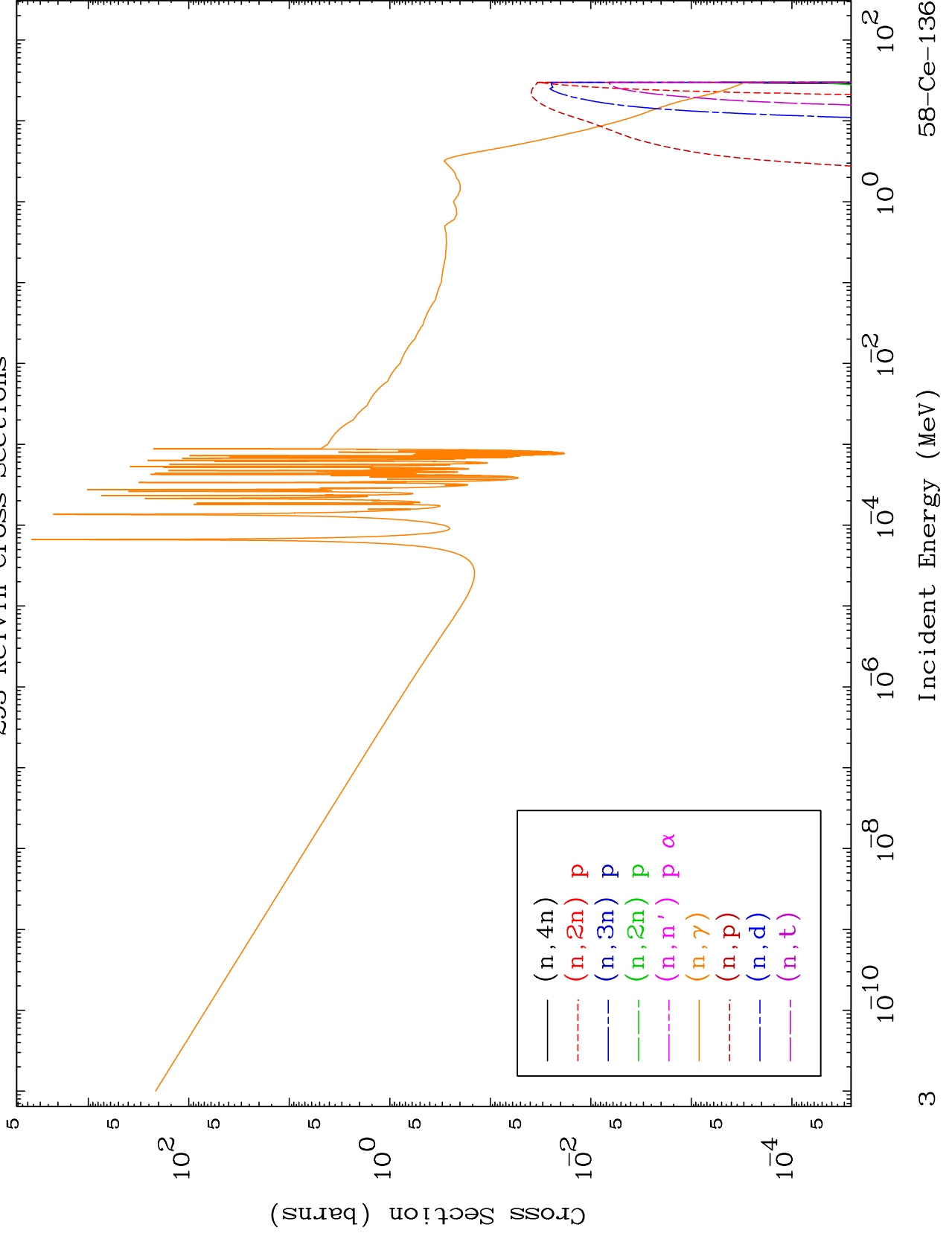
58-Ce-136



MAT 5825

Neutron Absorption  
293 Kelvin Cross Sections

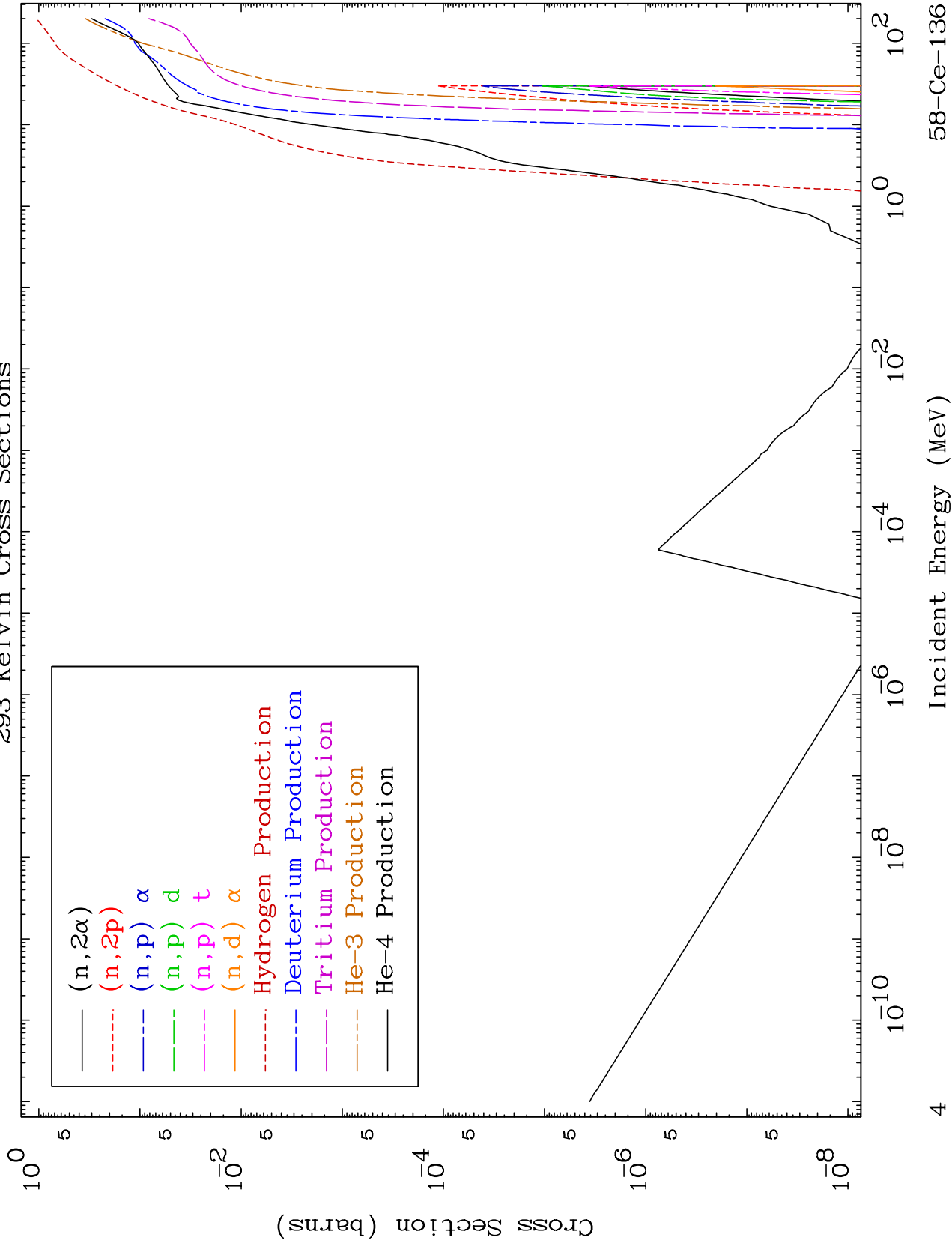
58-Ce-136



MAT 5825

Neutron Absorption  
293 Kelvin Cross Sections

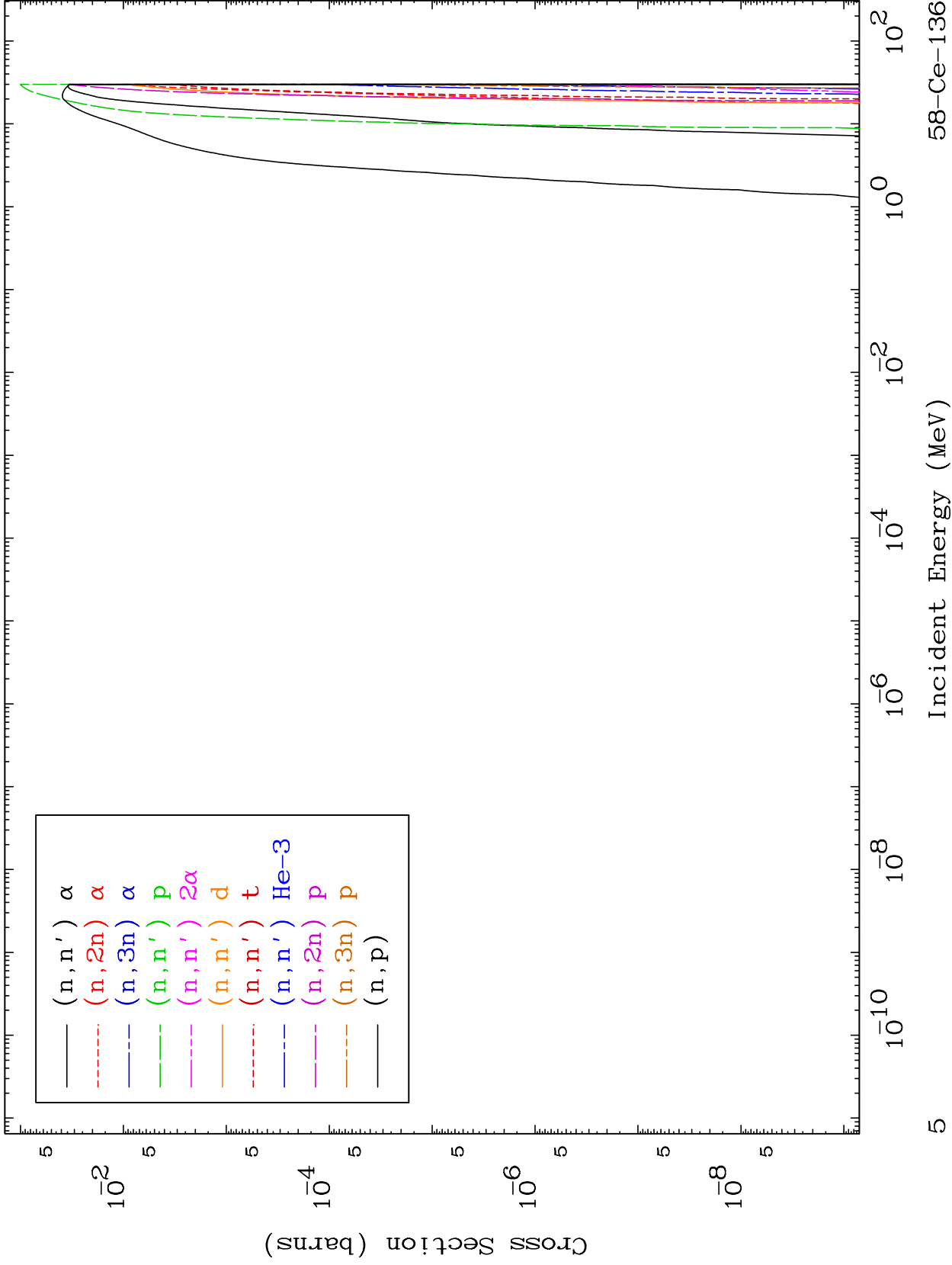
58-Ce-136



MAT 5825

Charged Particle  
293 Kelvin Cross Sections

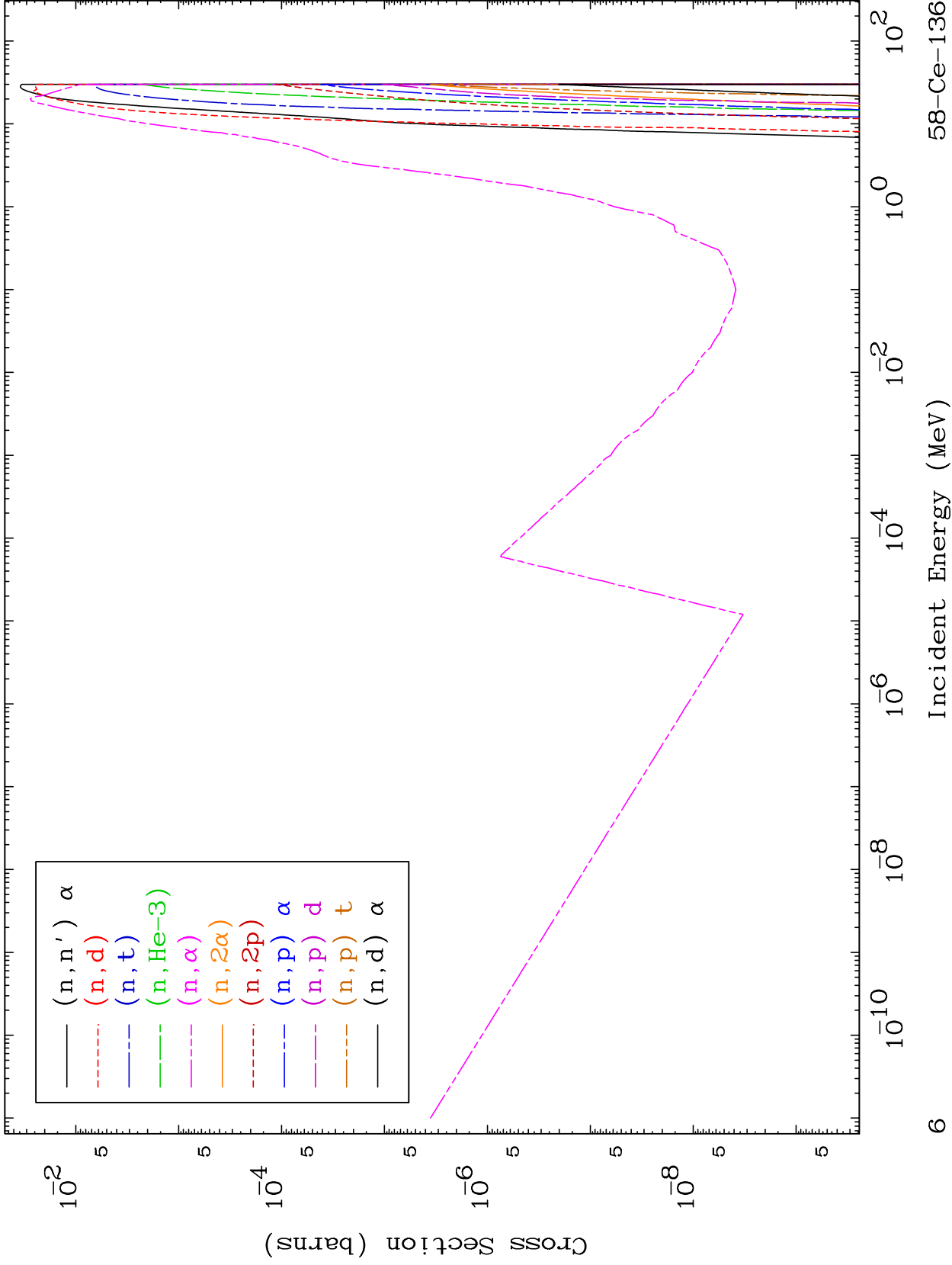
58-Ce-136



MAT 5825

Charged Particle  
293 Kelvin Cross Sections

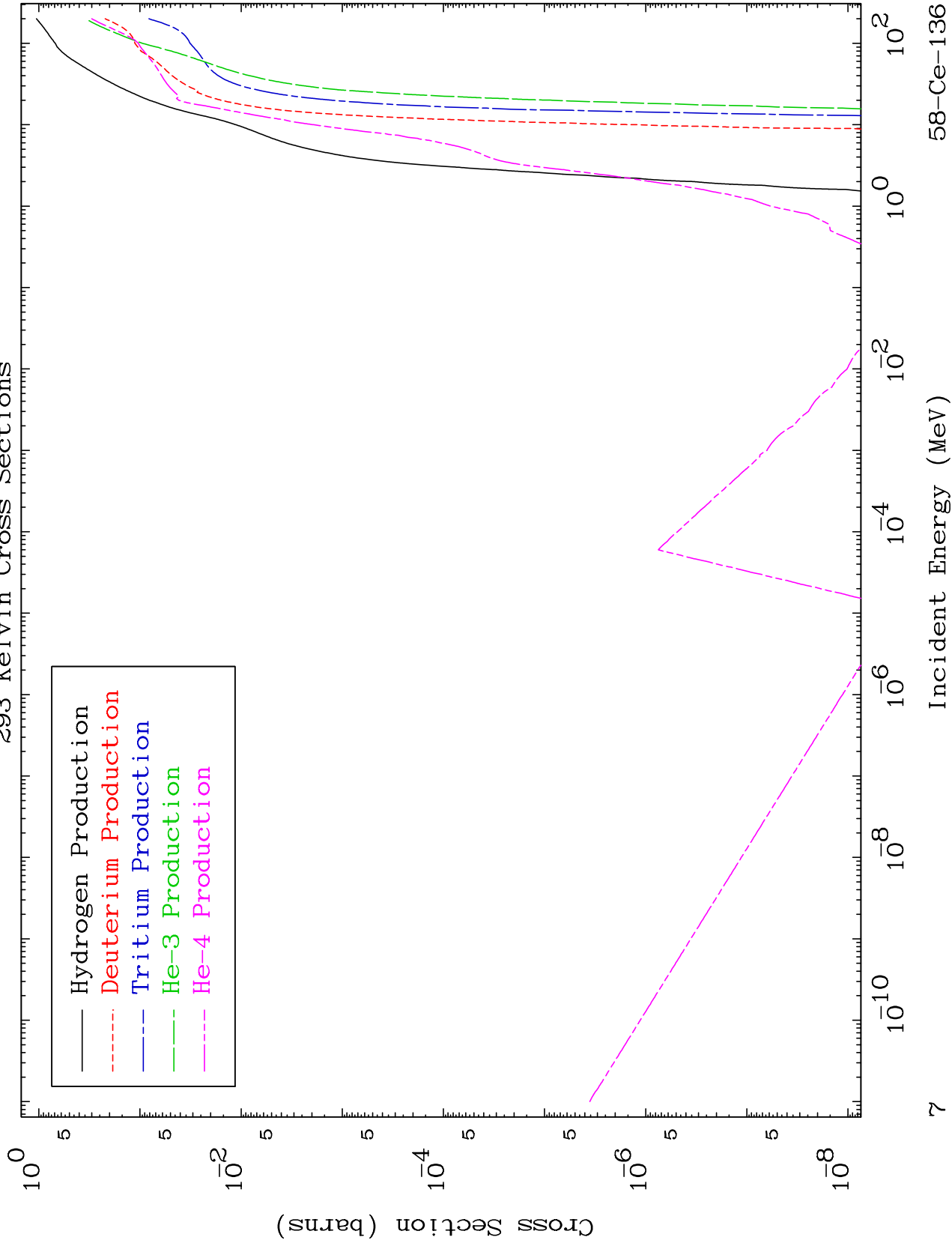
58-Ce-136



MAT 5825

Particle Production  
293 Kelvin Cross Sections

58-Ce-136

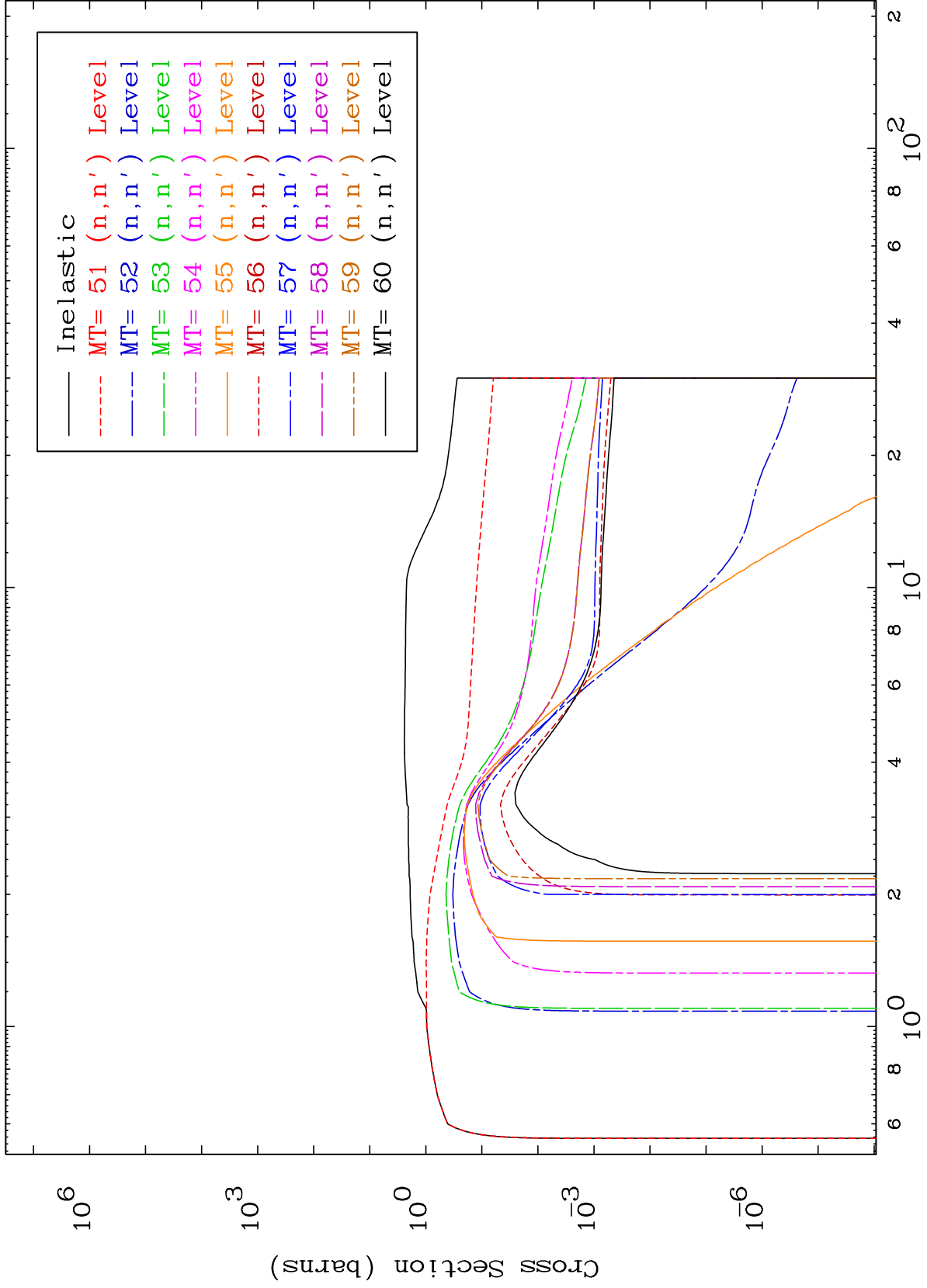


MAT 5825

(n,n') Levels

58-Ce-136

293 Kelvin Cross Sections



8

Incident Energy (MeV)

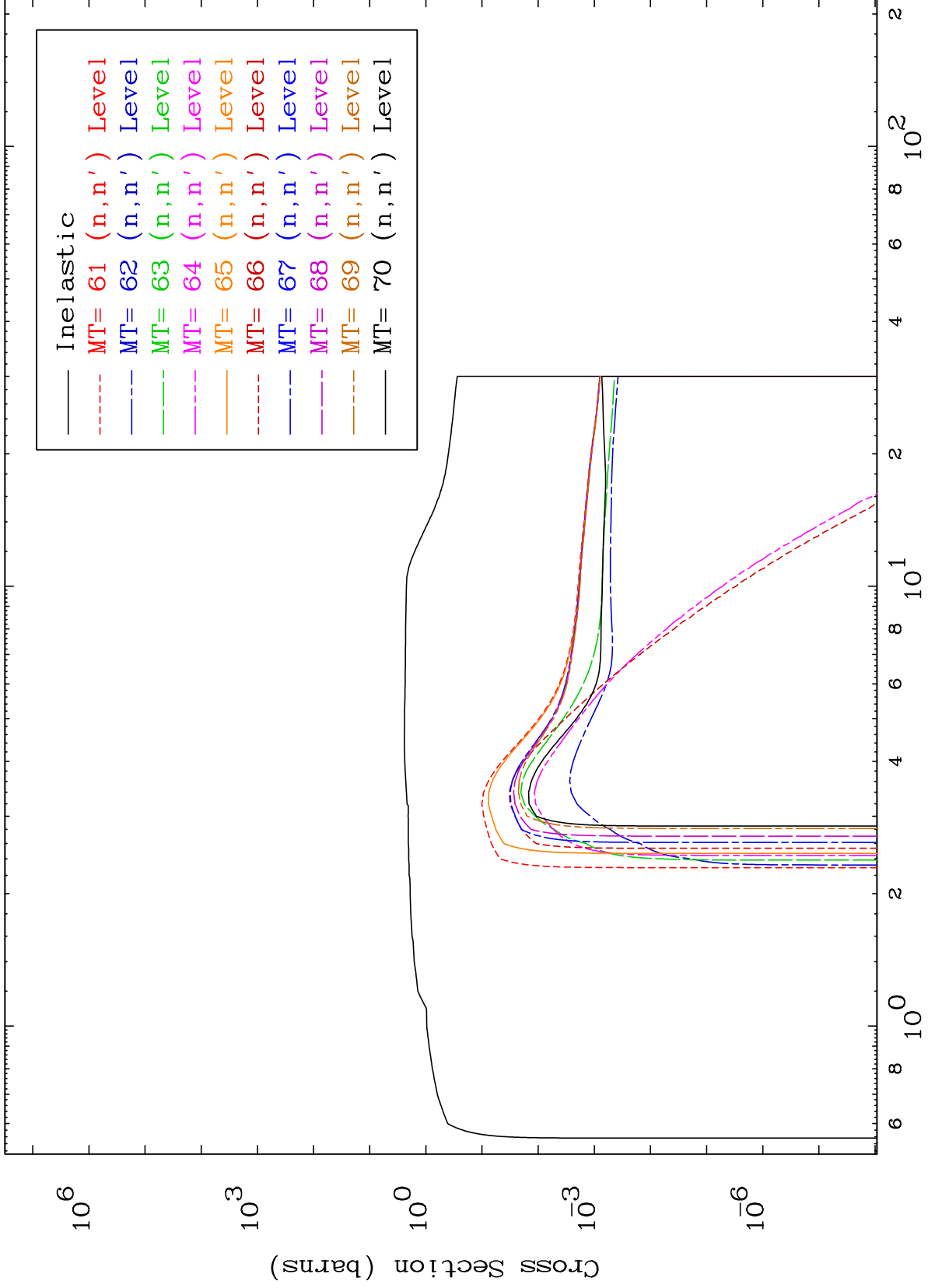
58-Ce-136

MAT 5825

(n,n') Levels

58-Ce-136

293 Kelvin Cross Sections

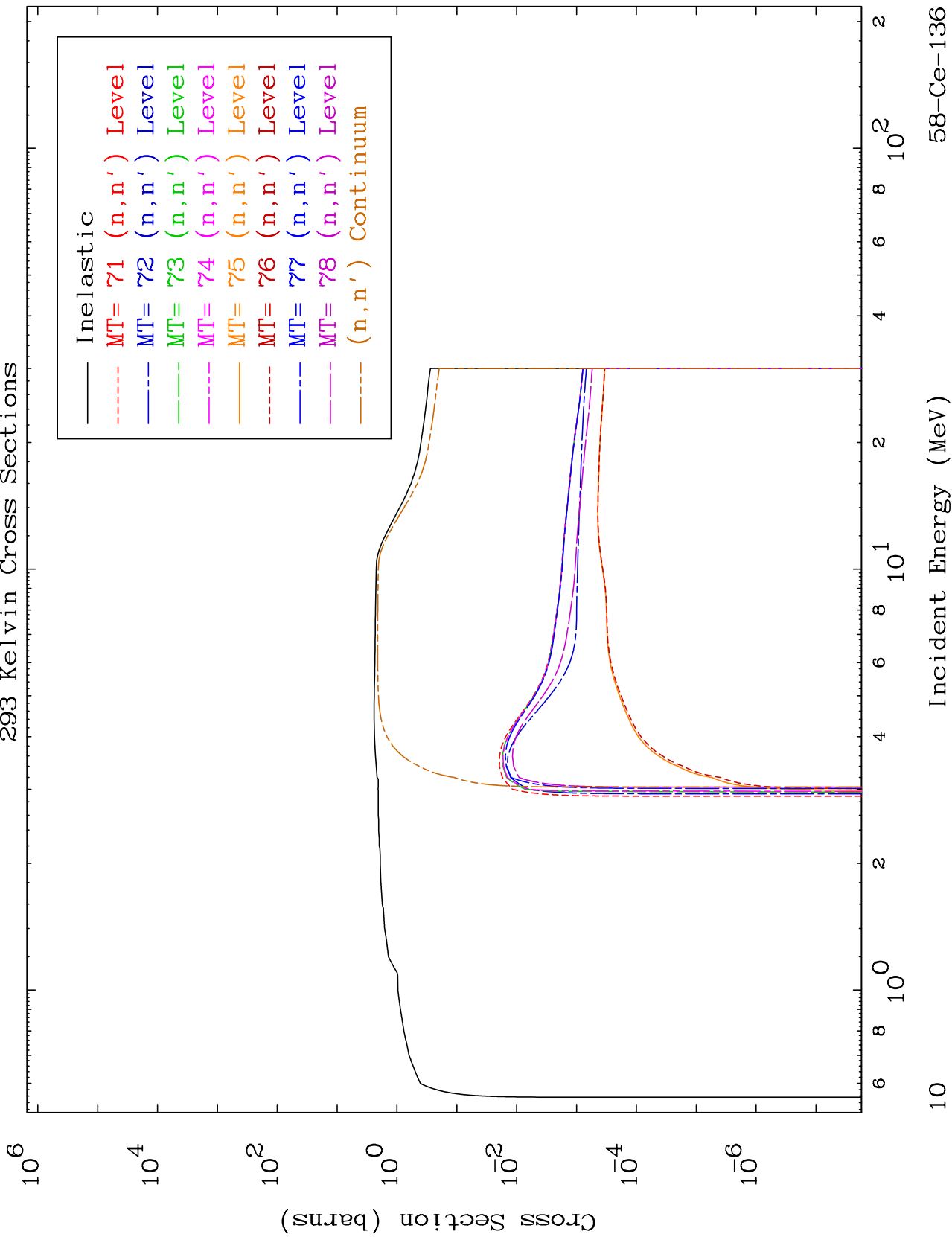


MAT 5825

(n,n') Levels

58-Ce-136

293 Kelvin Cross Sections



58-Ce-136

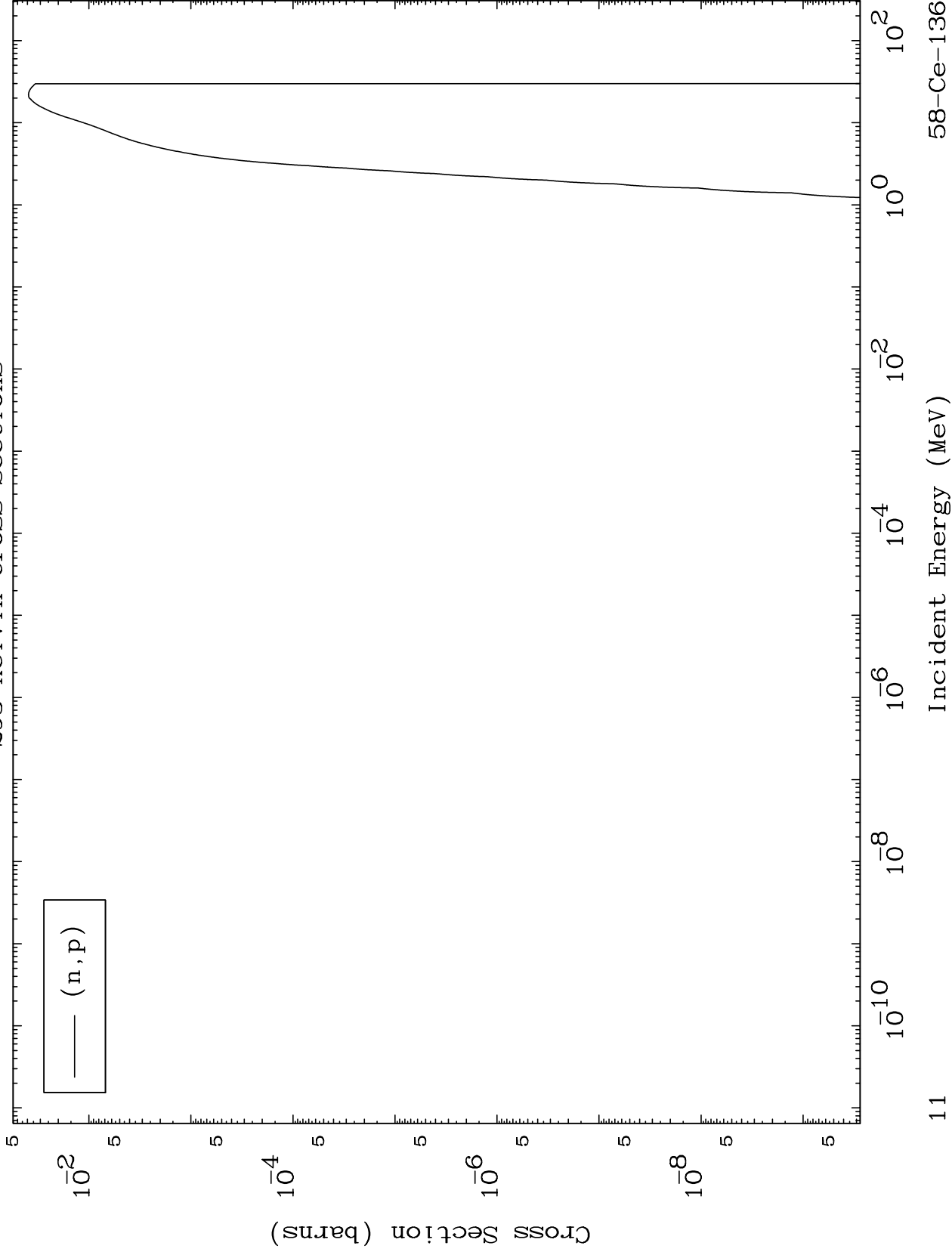
Incident Energy (MeV)

10

MAT 5825

(n,p) Levels  
293 Kelvin Cross Sections

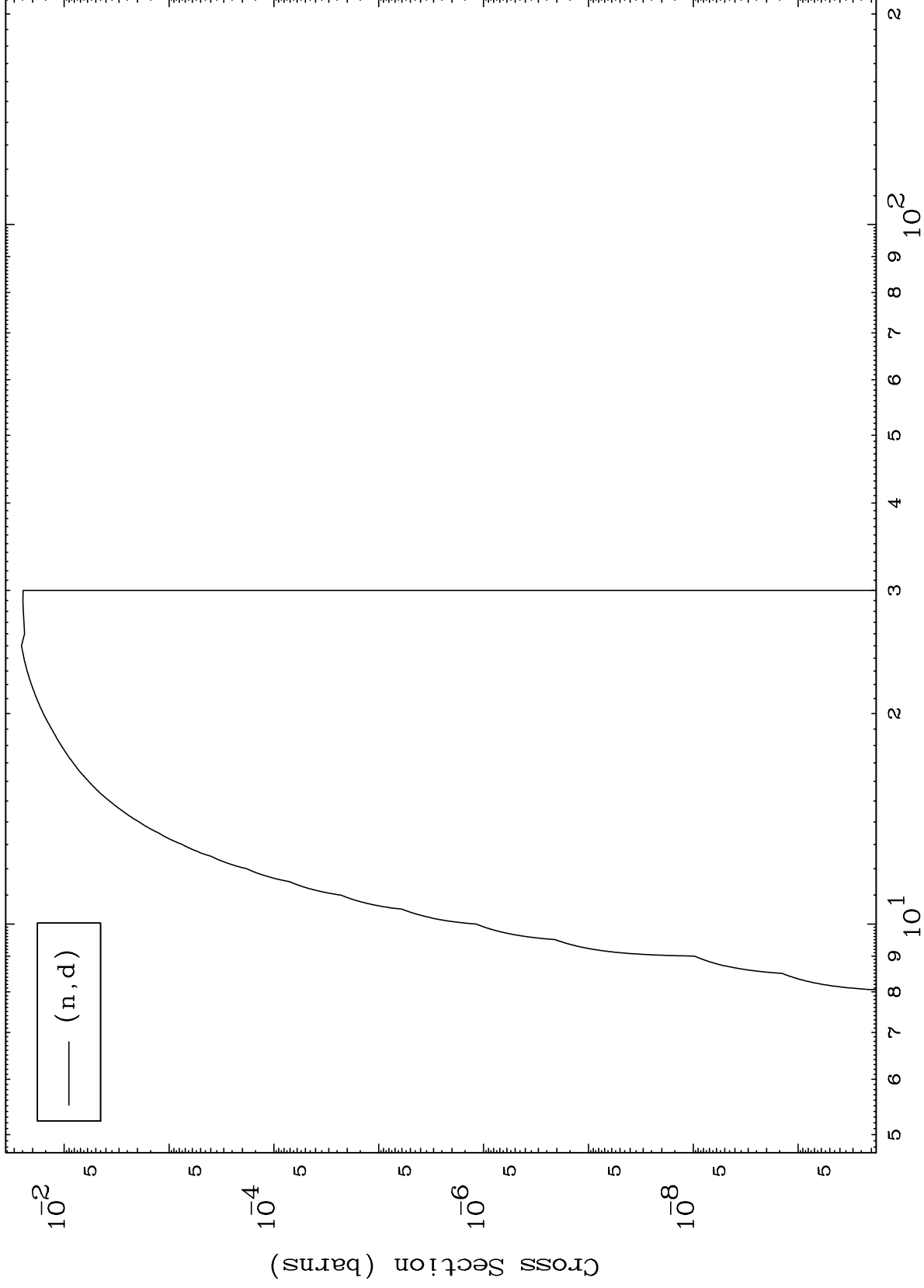
58-Ce-136



MAT 5825

(n,d) Levels  
293 Kelvin Cross Sections

58-Ce-136



12

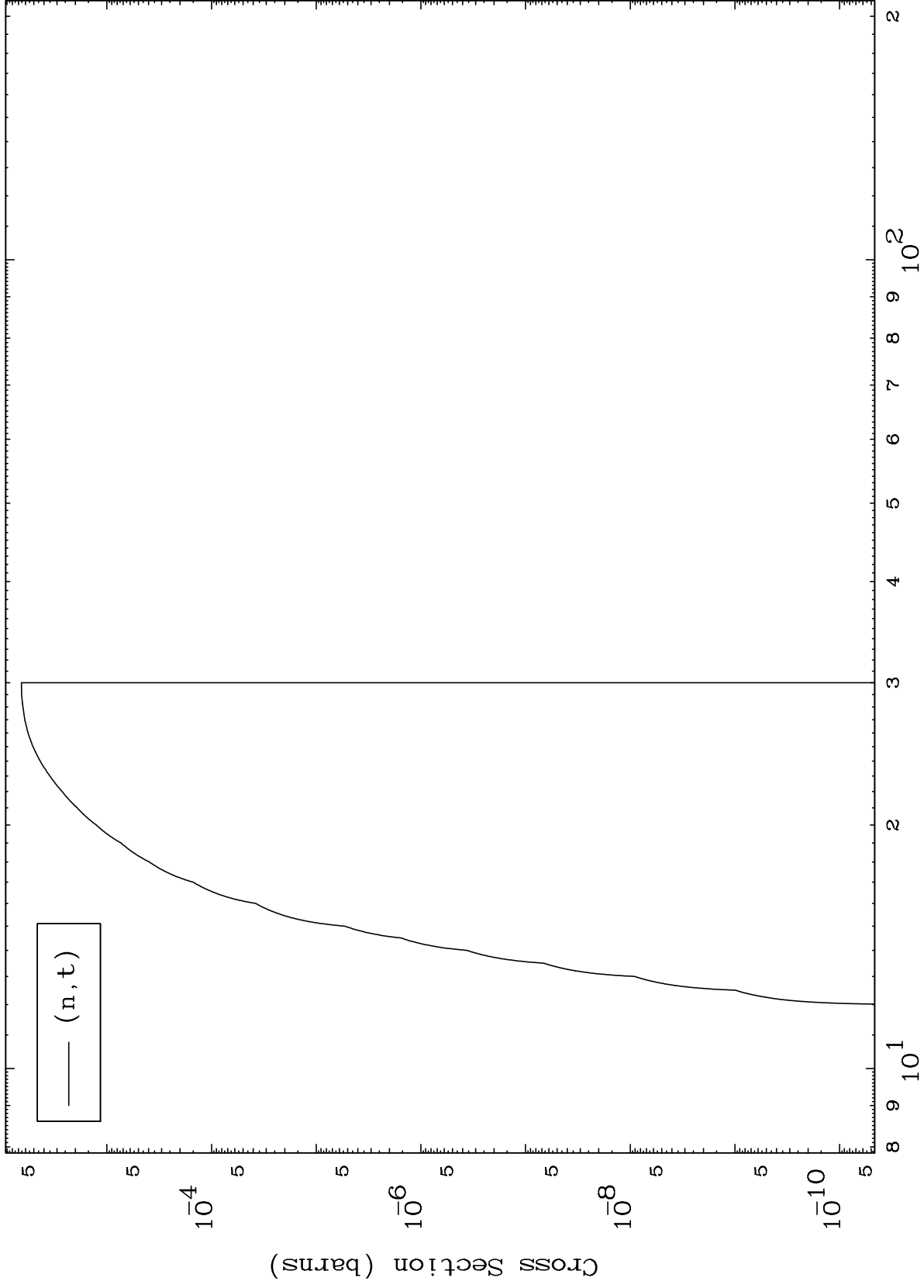
Incident Energy (MeV)

58-Ce-136

MAT 5825

(n,t) Levels  
293 Kelvin Cross Sections

58-Ce-136



13

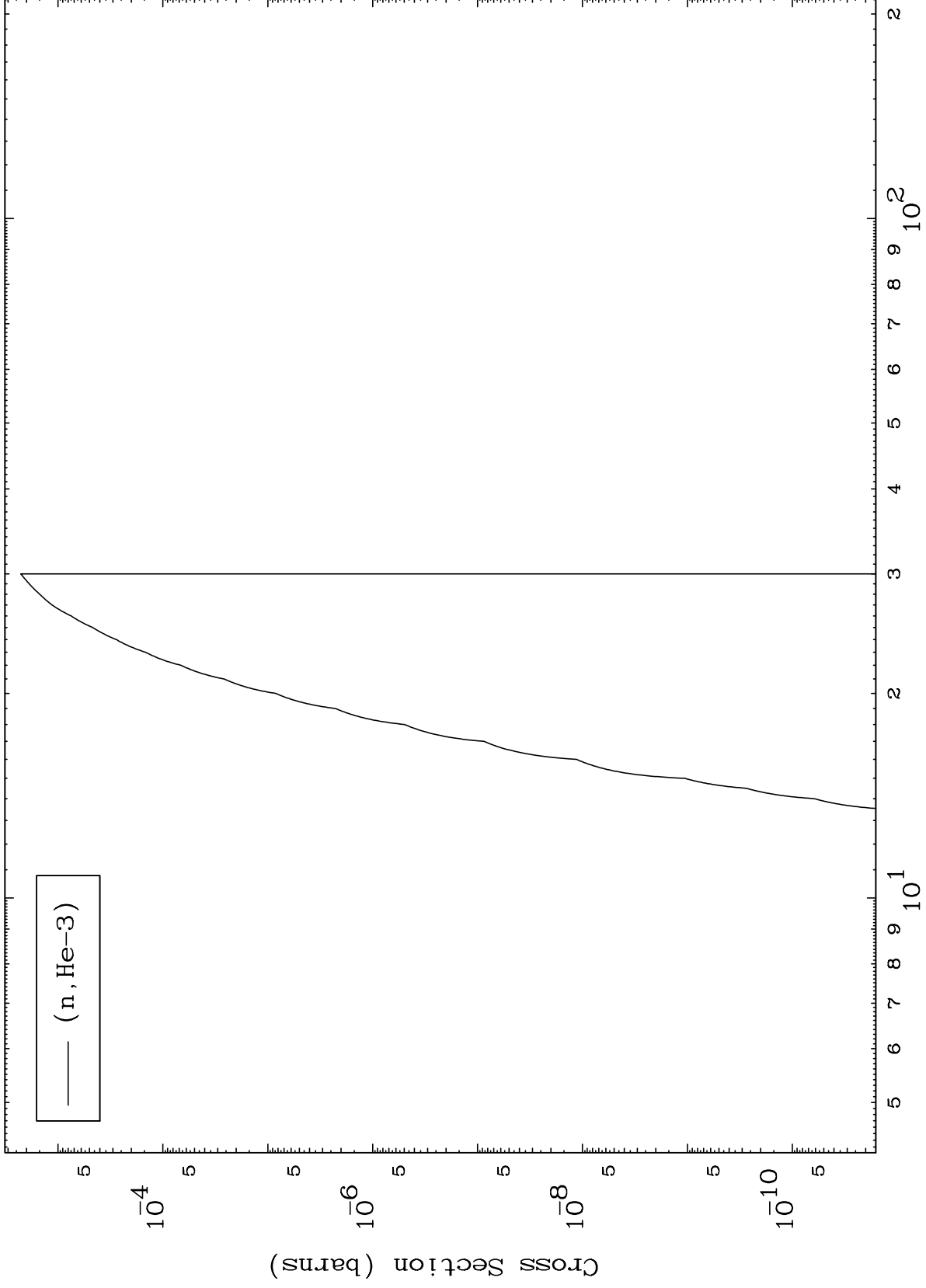
Incident Energy (MeV)

58-Ce-136

MAT 5825

(n,He3) Levels  
293 Kelvin Cross Sections

58-Ce-136



14

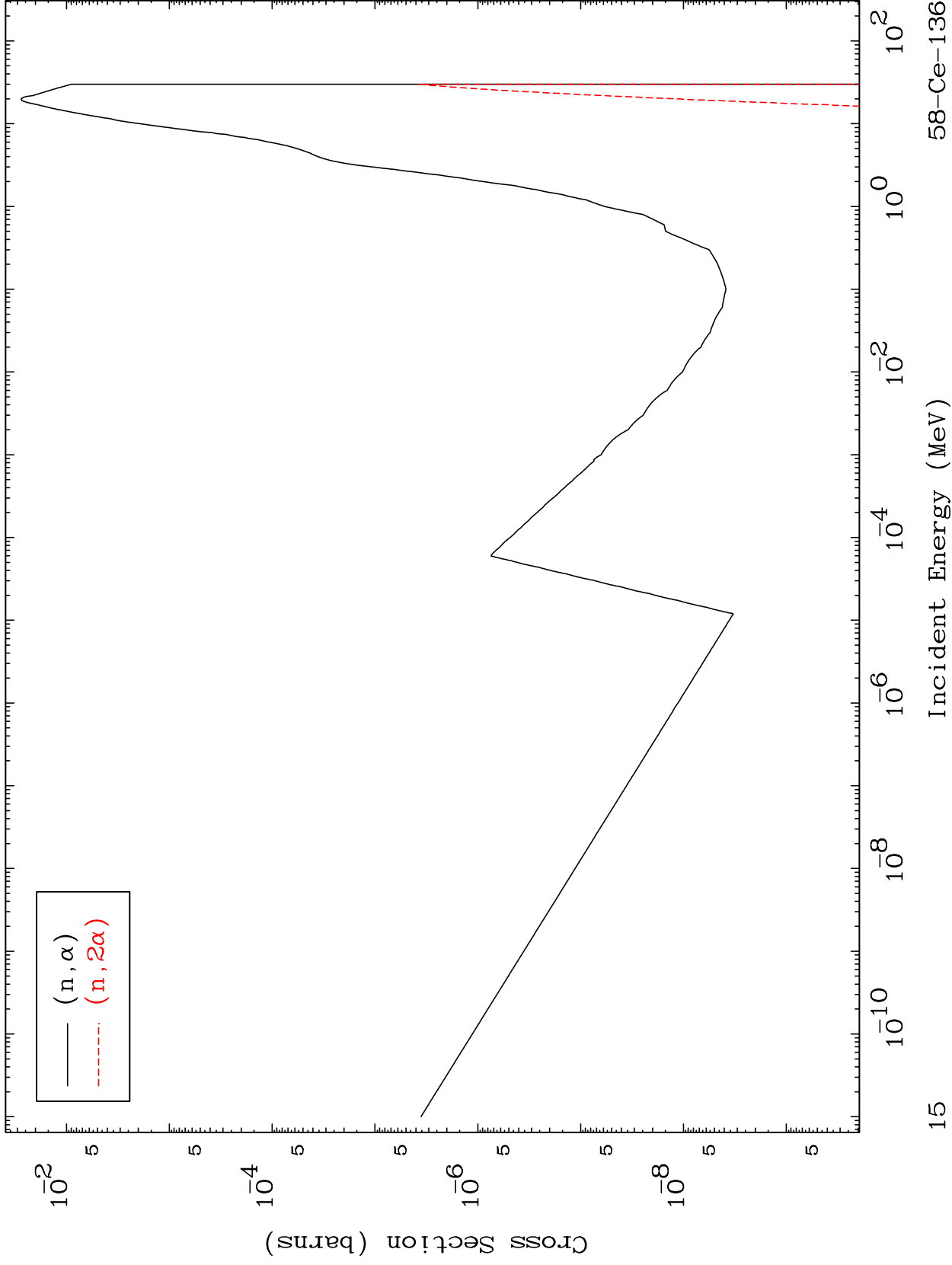
Incident Energy (MeV)

58-Ce-136

MAT 5825

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

58-Ce-136

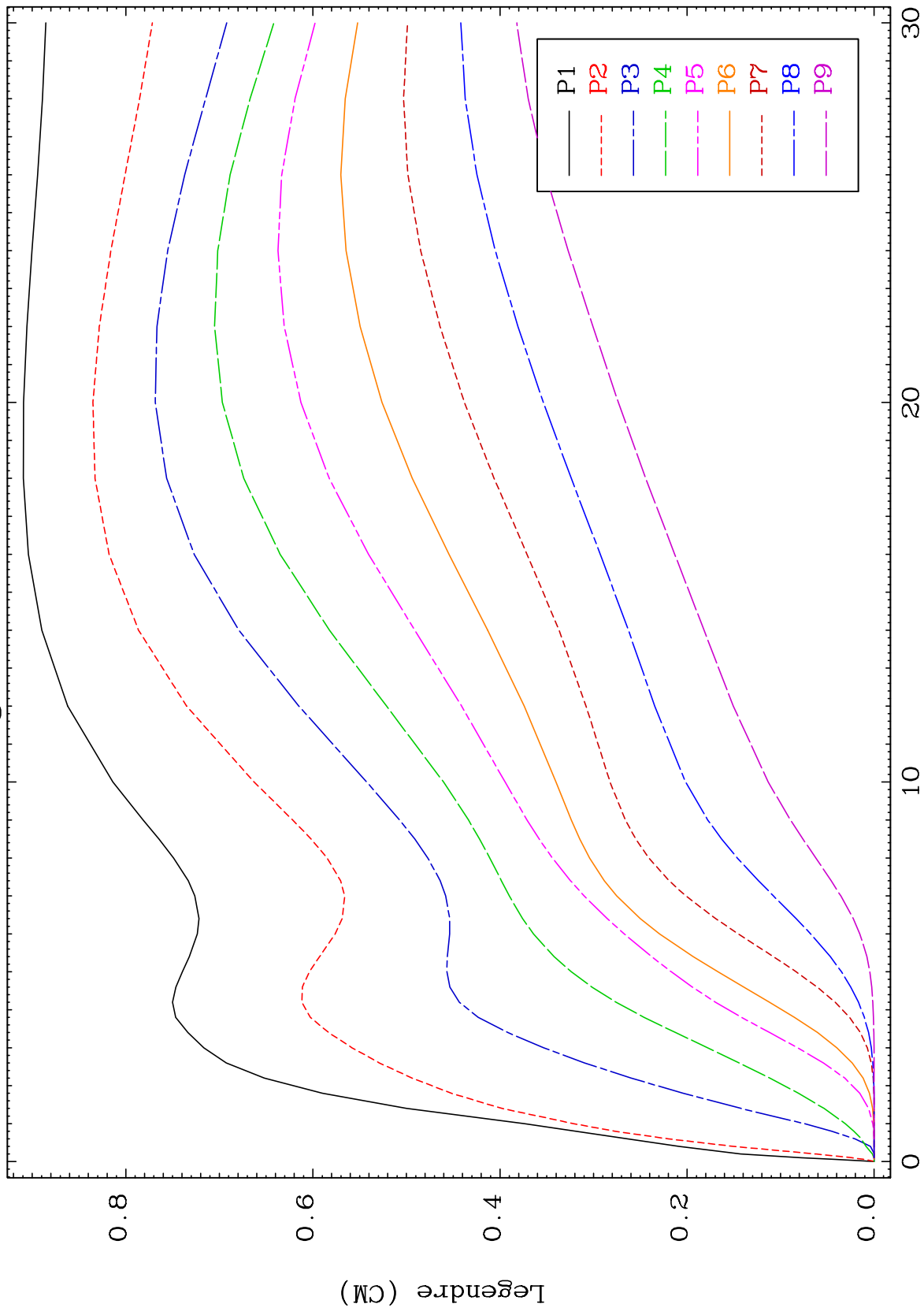


15

MAT 5825

Elastic Legendre Coefficients

58-Ce-136



16

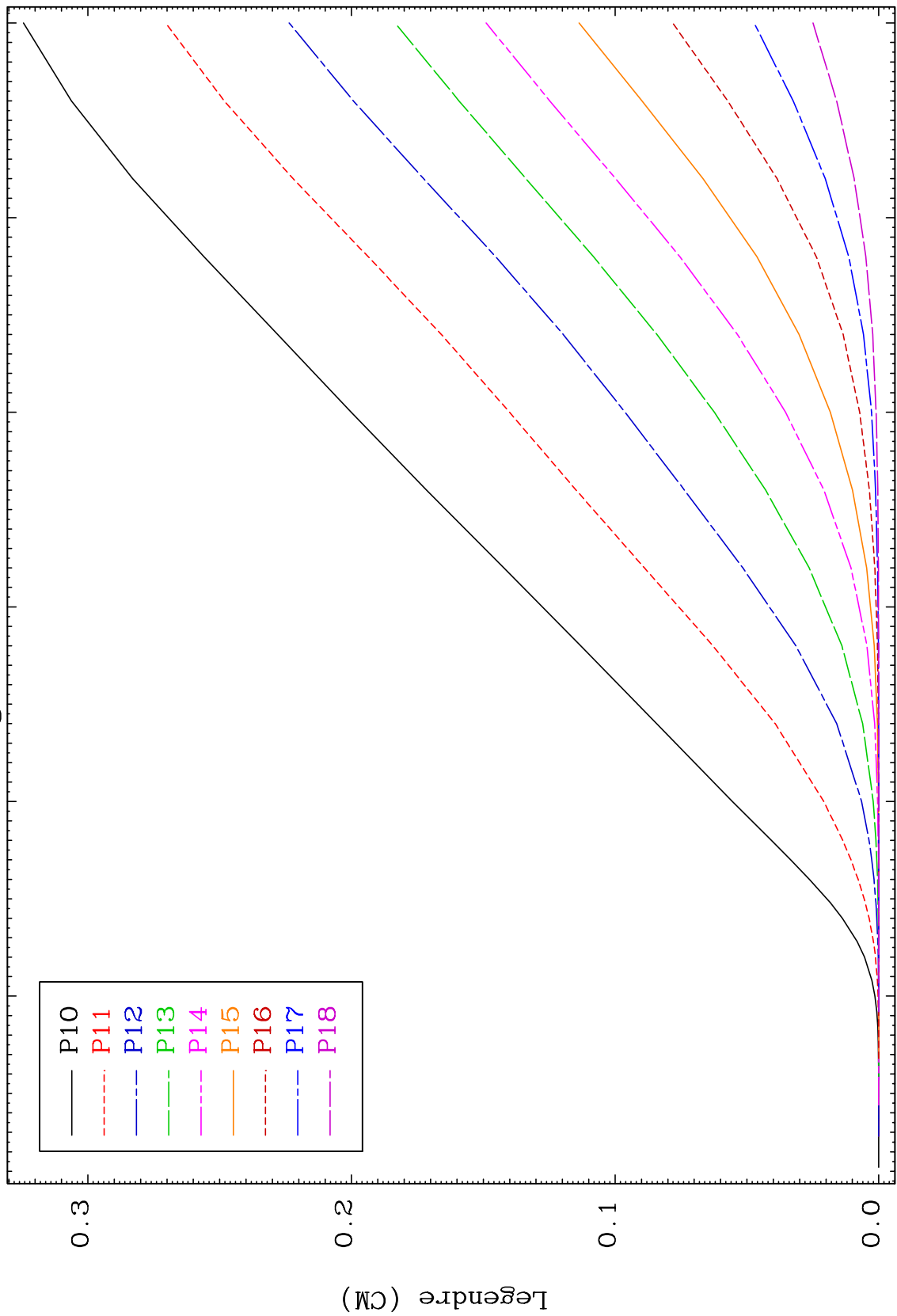
Incident Energy (MeV)

58-Ce-136

MAT 5825

Elastic Legendre Coefficients

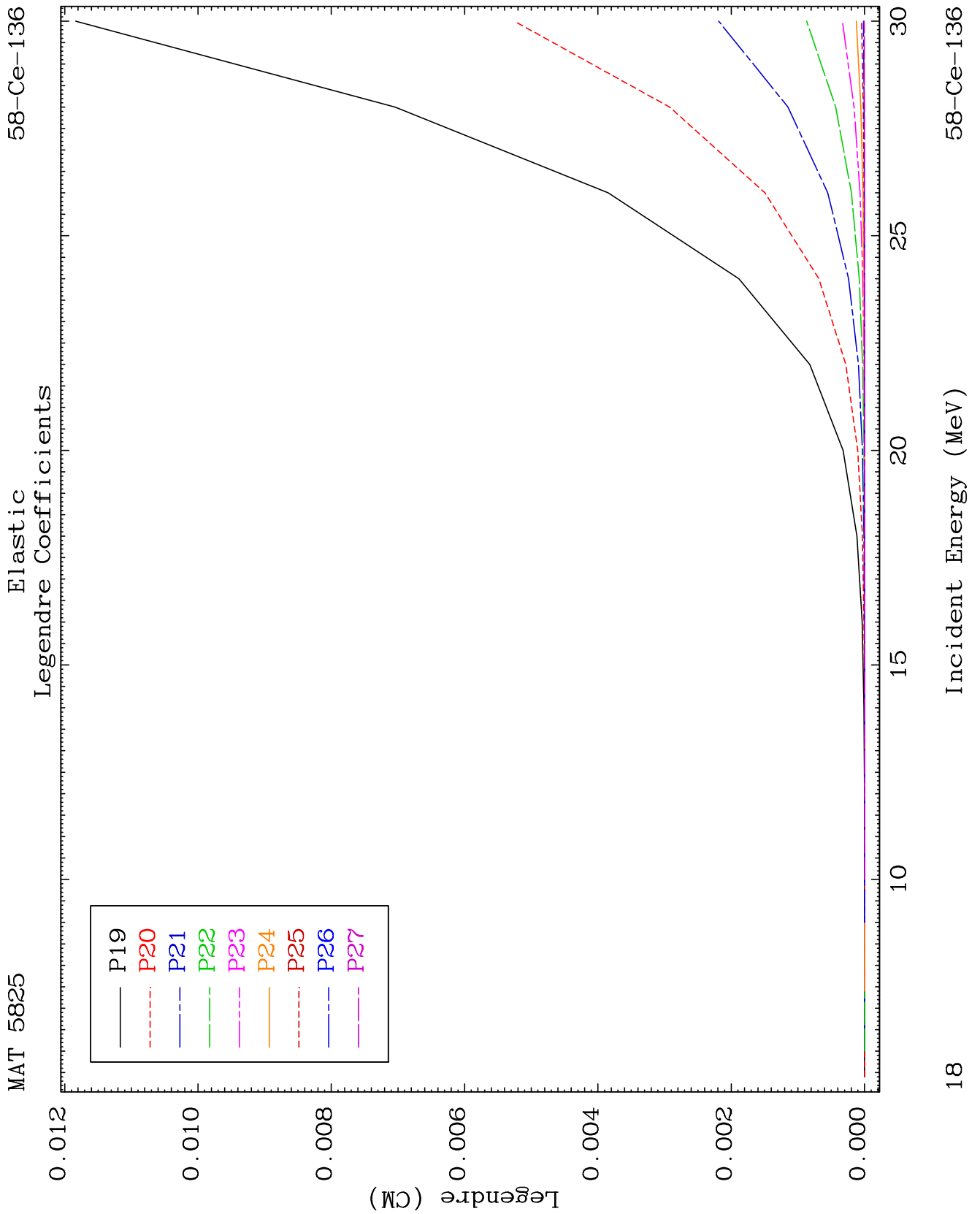
58-Ce-136



17

Incident Energy (MeV)

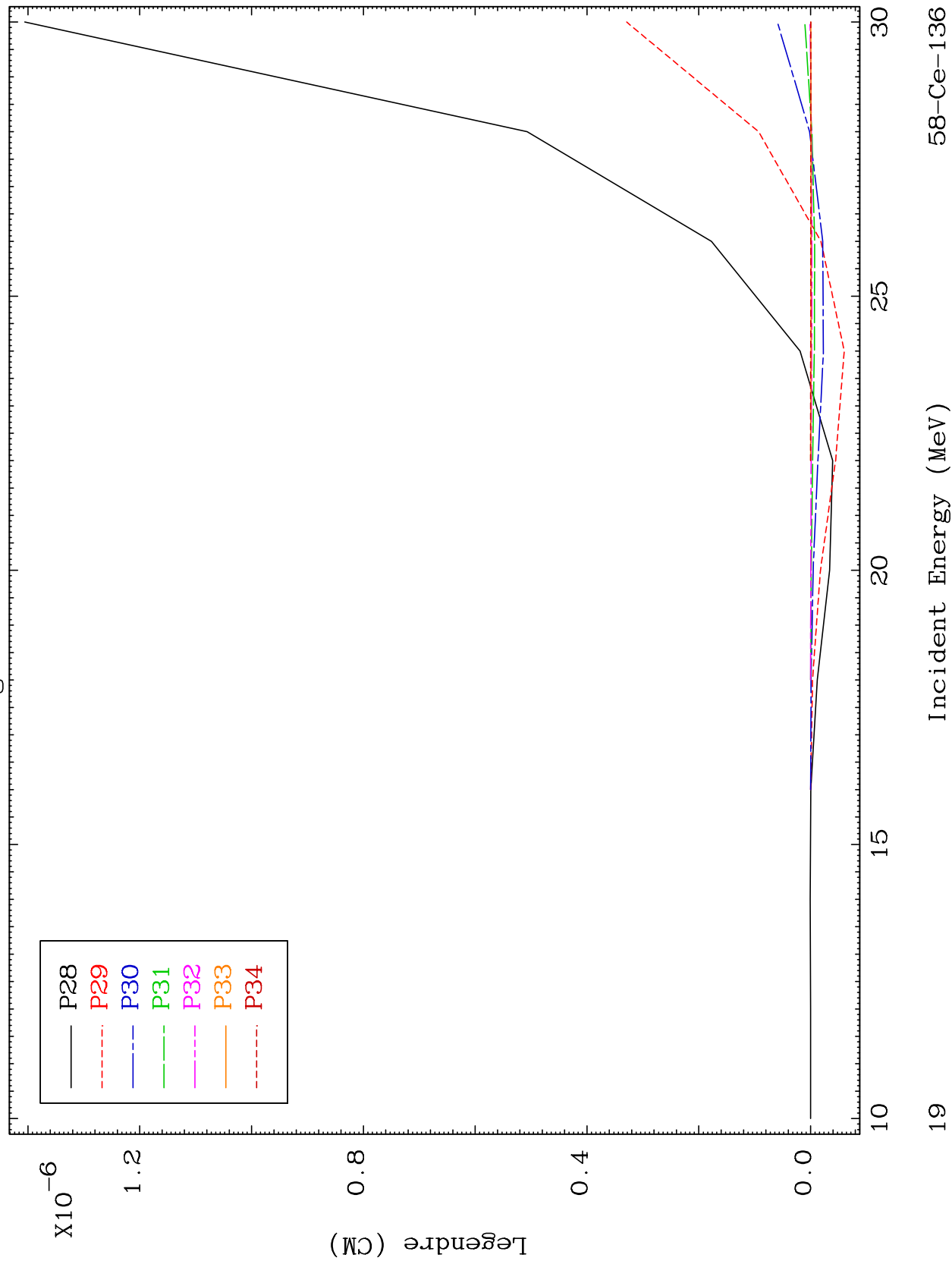
58-Ce-136



MAT 5825

Elastic Legendre Coefficients

58-Ce-136



19

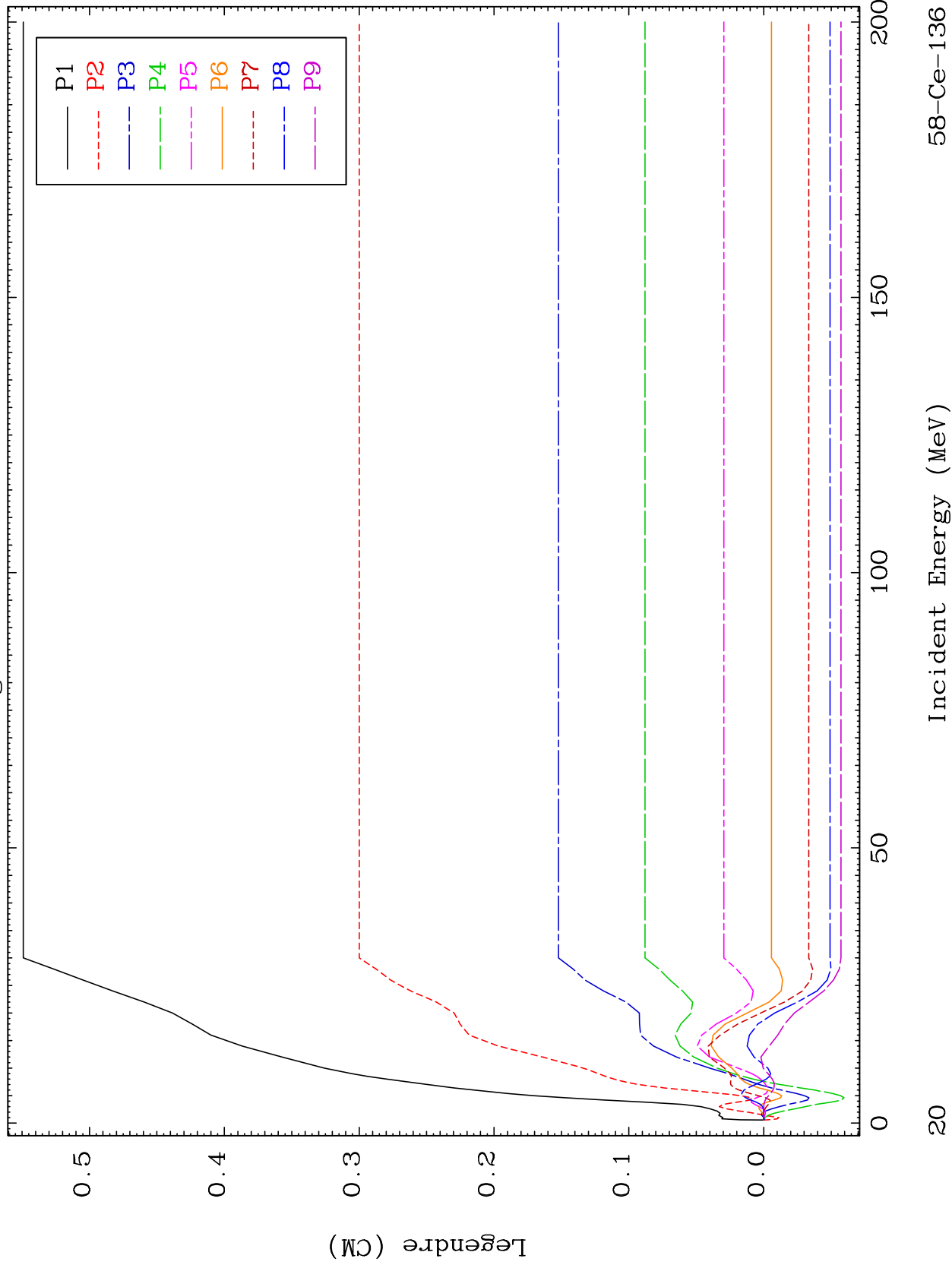
Incident Energy (MeV)

58-Ce-136

MAT 5825

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

58-Ce-136



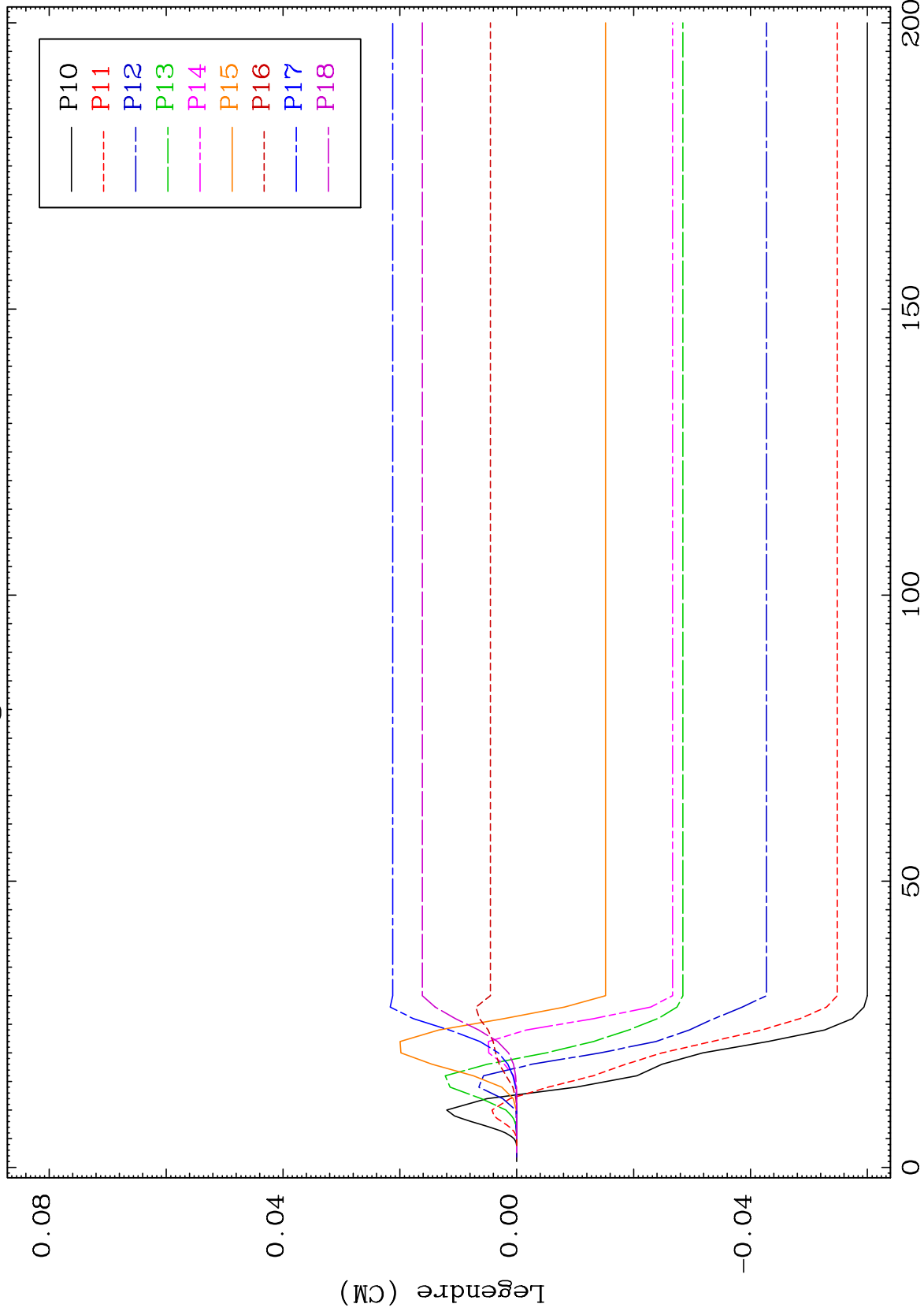
58-Ce-136

Incident Energy (MeV)

MAT 5825

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

58-Ce-136



21

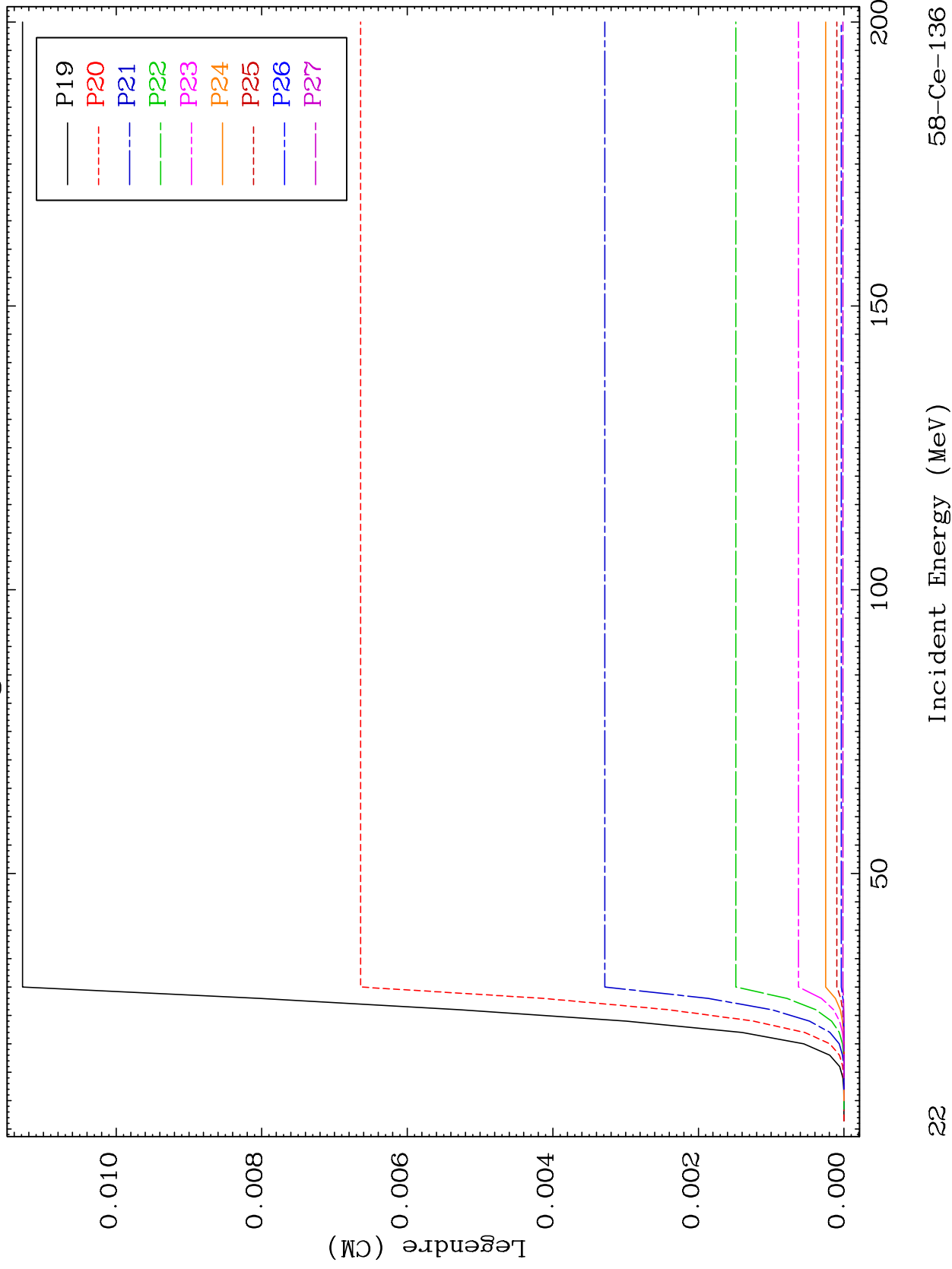
Incident Energy (MeV)

58-Ce-136

MAT 5825

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

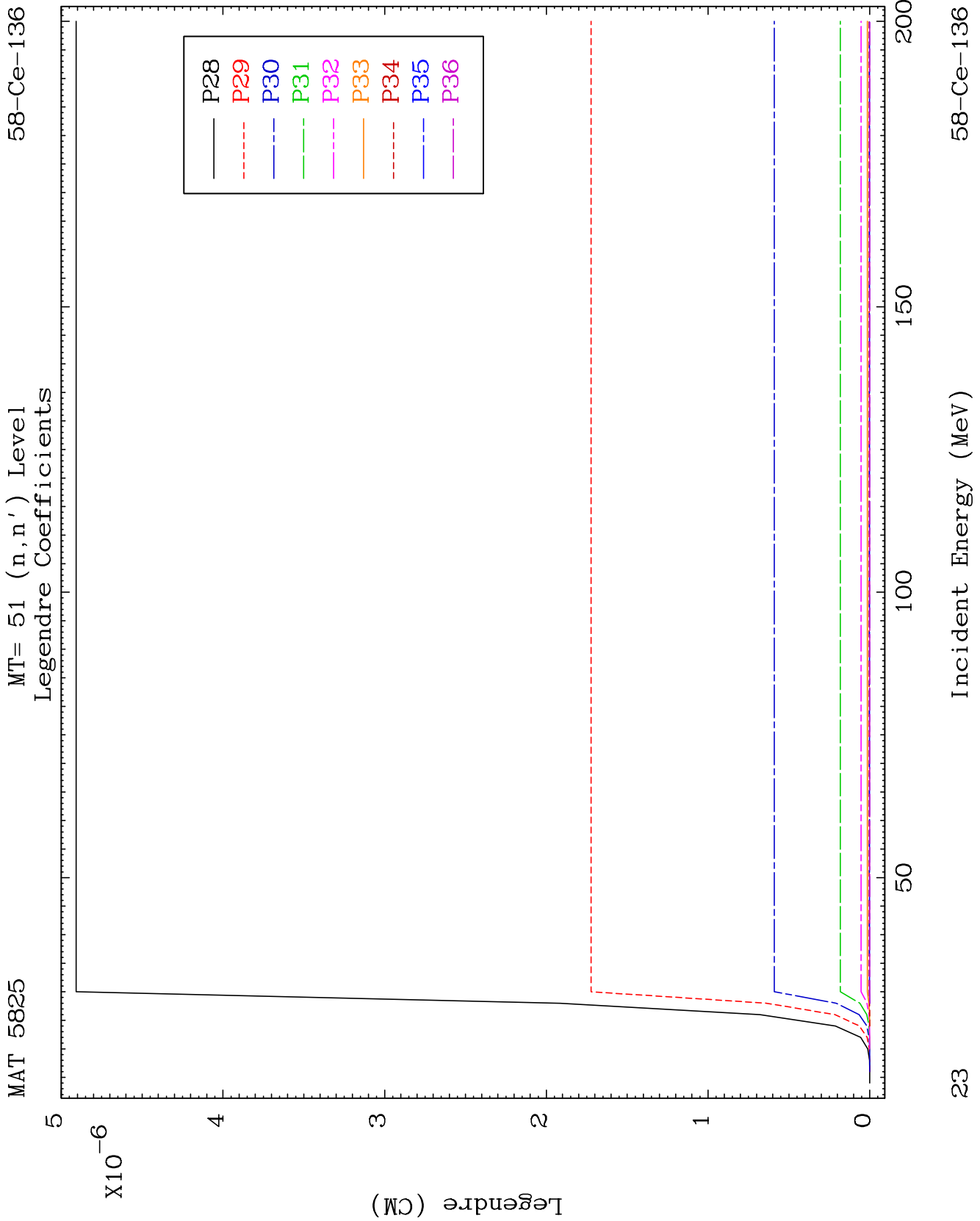
58-Ce-136



22

Incident Energy (MeV)

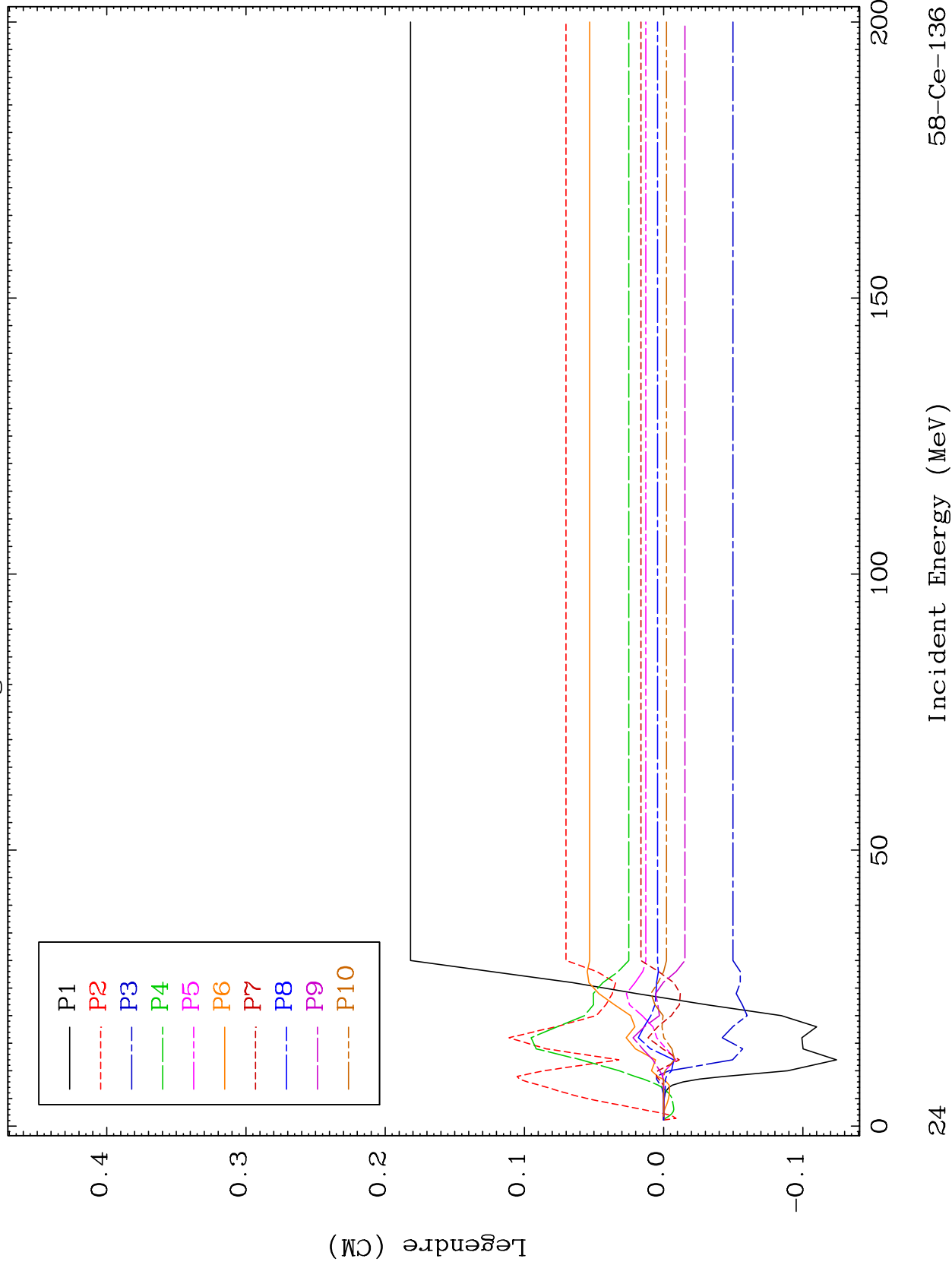
58-Ce-136



MAT 5825

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

58-Ce-136



58-Ce-136

Incident Energy (MeV)

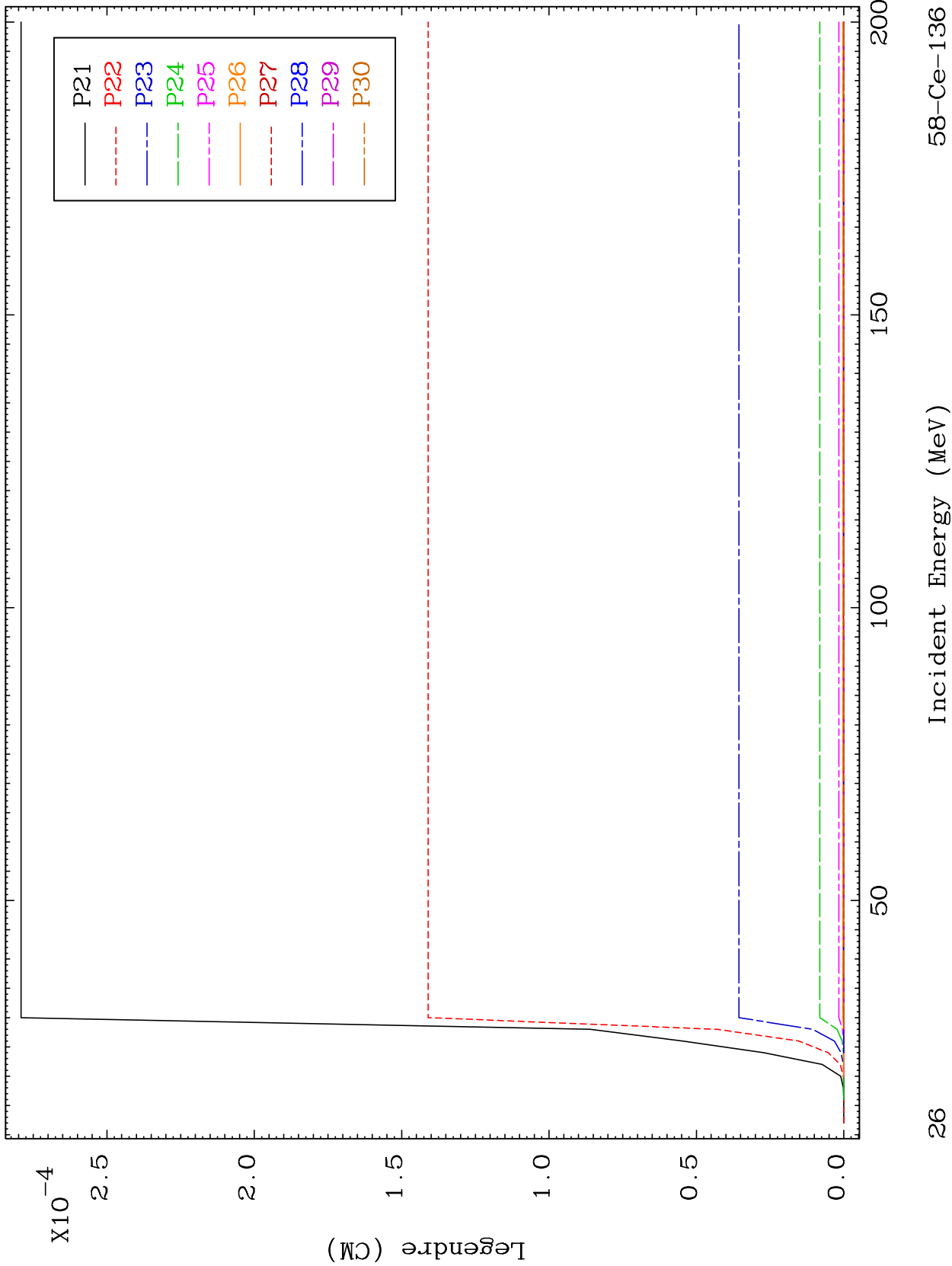
24



MAT 5825

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

58-Ce-136



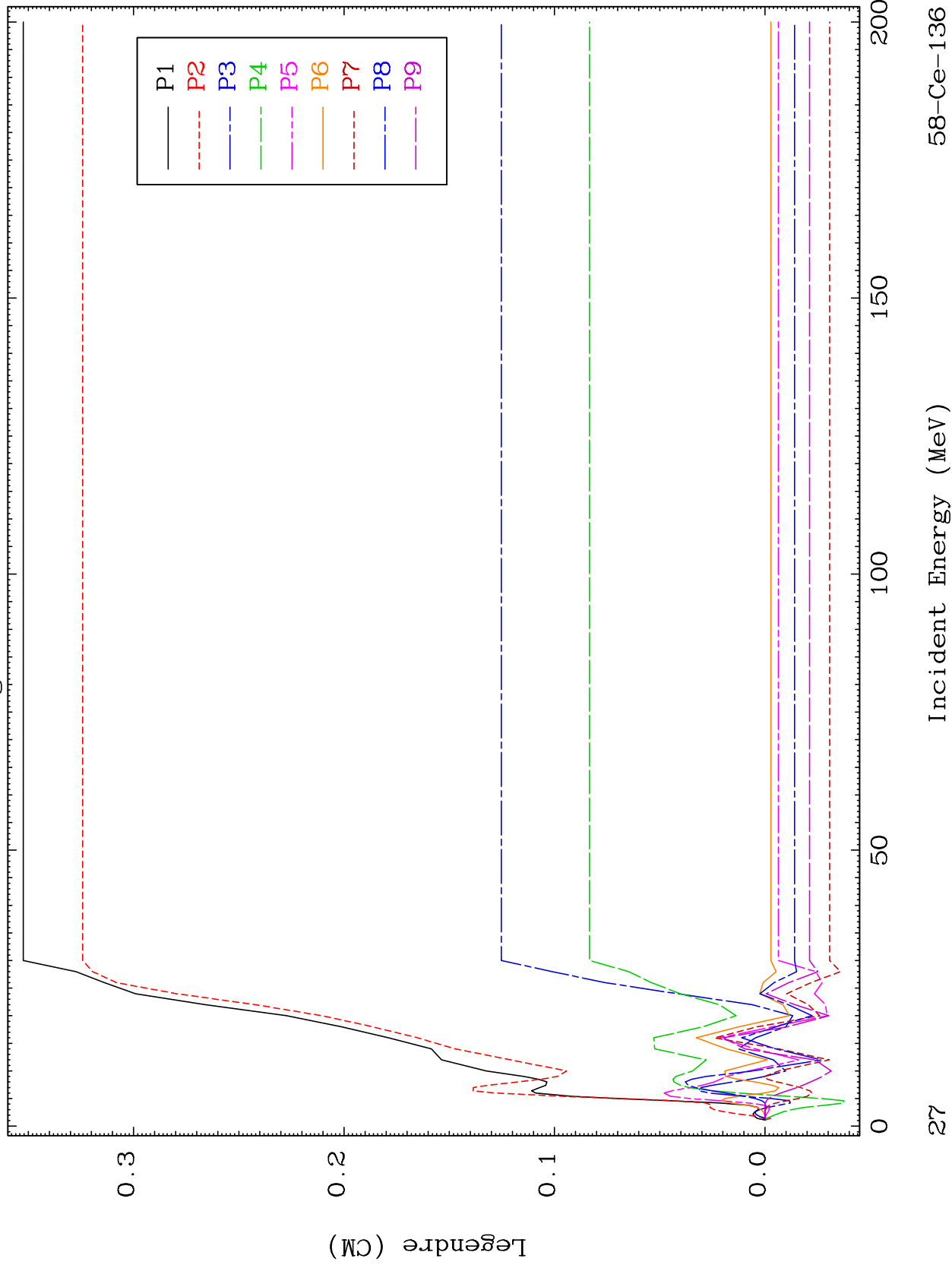
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58-Ce-136

MAT 5825

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

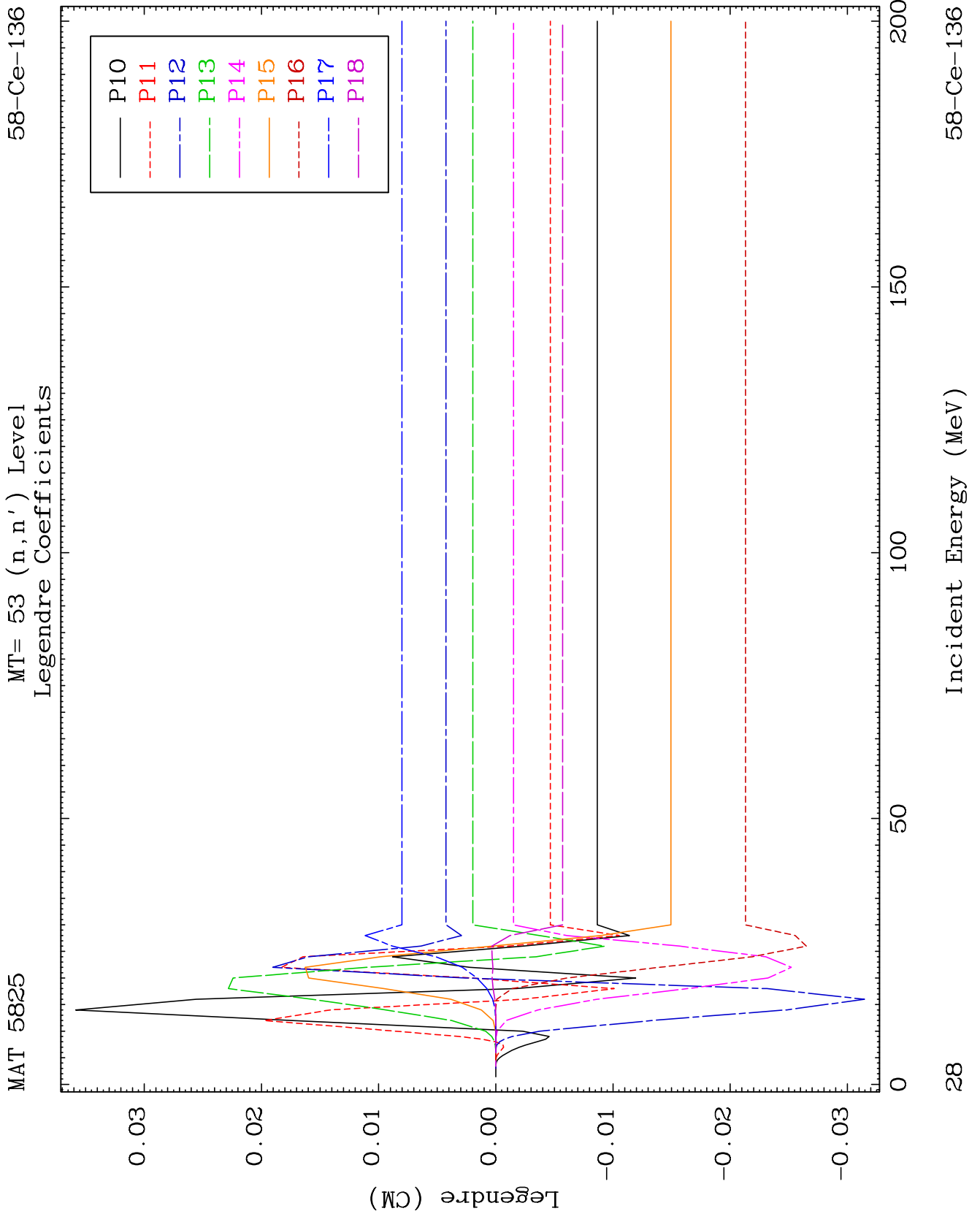
58-Ce-136



58-Ce-136

Incident Energy (MeV)

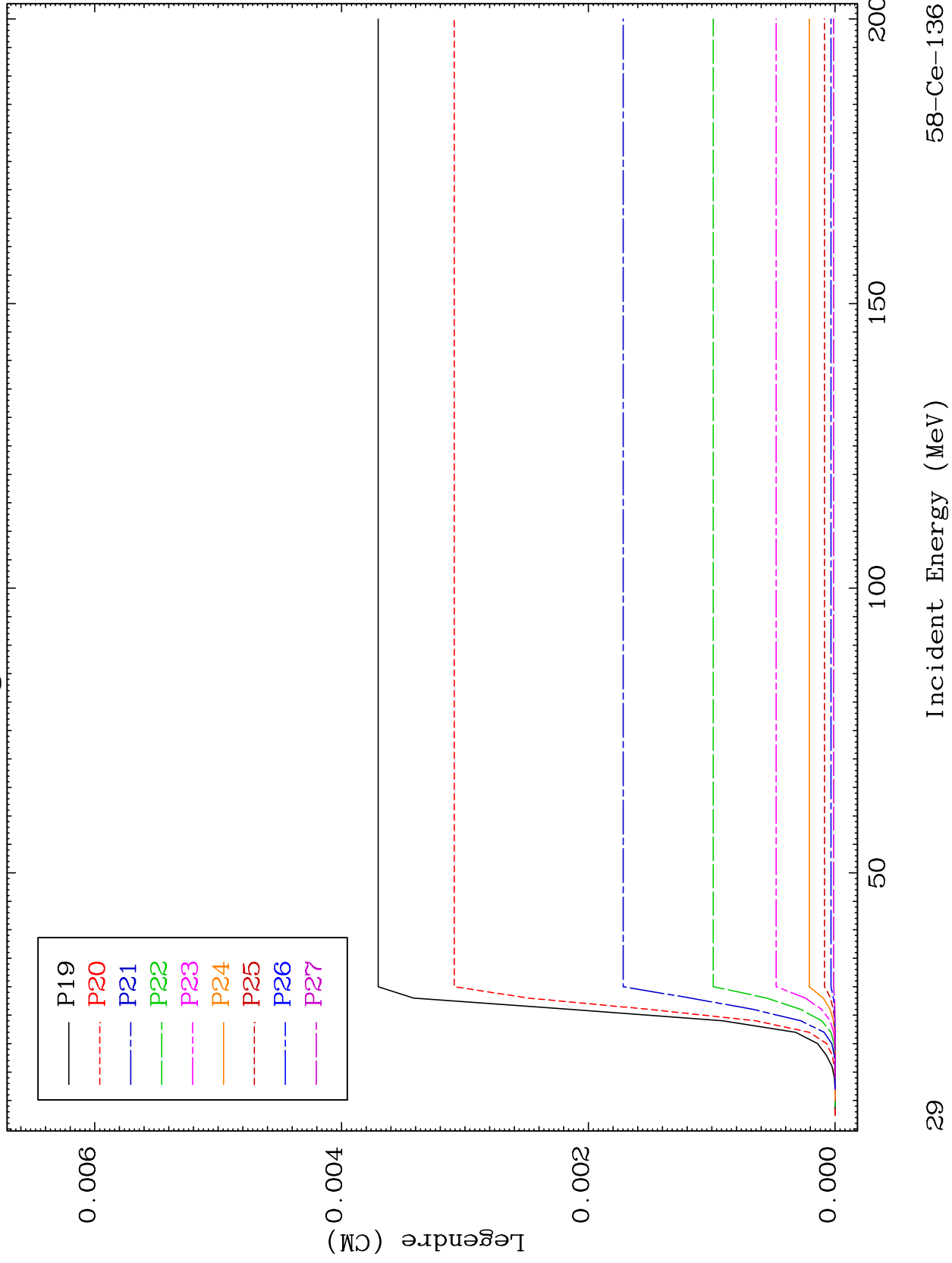
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MAT 5825

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

58-Ce-136



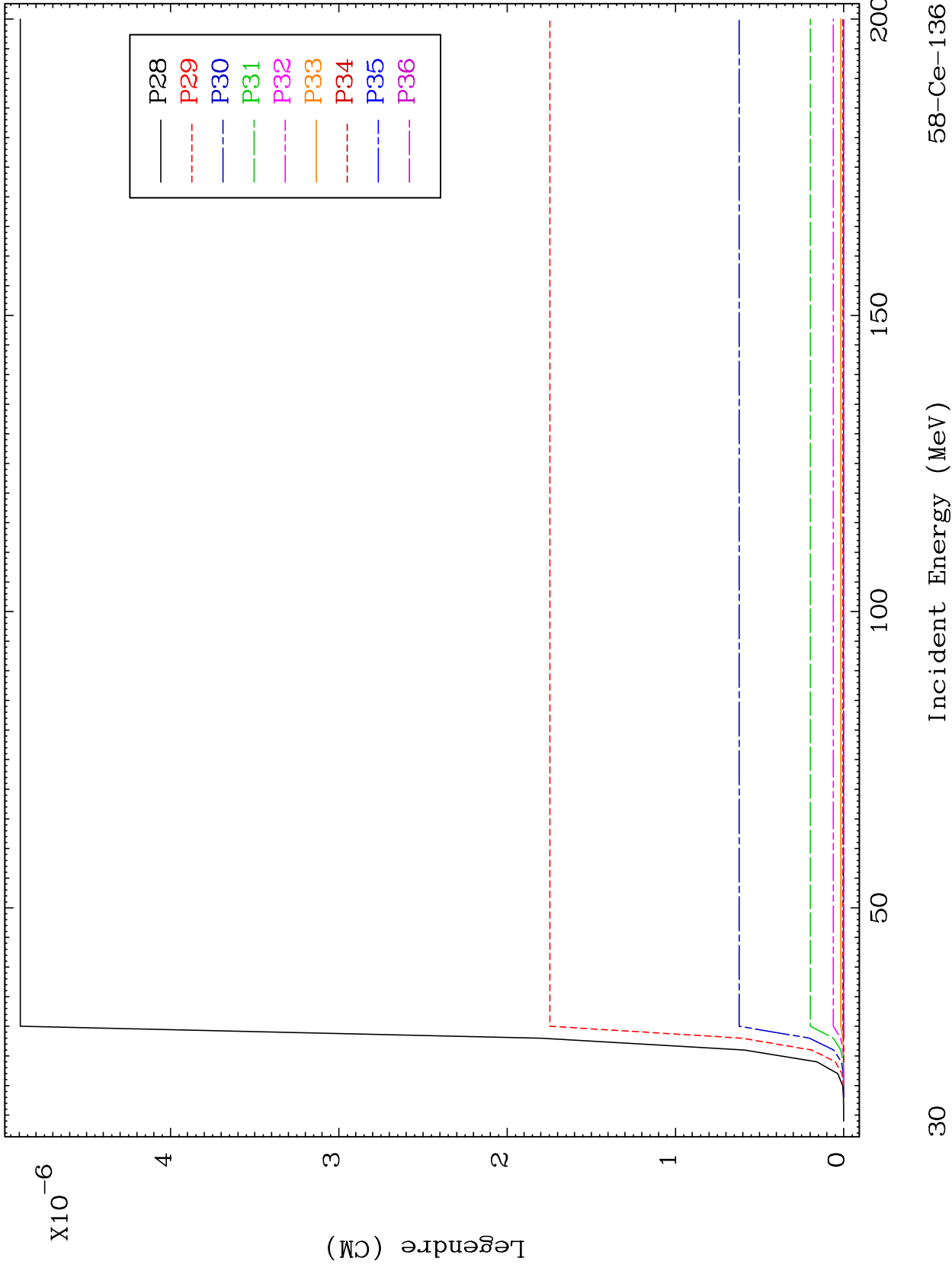
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58-Ce-136

MAT 5825

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

58-Ce-136



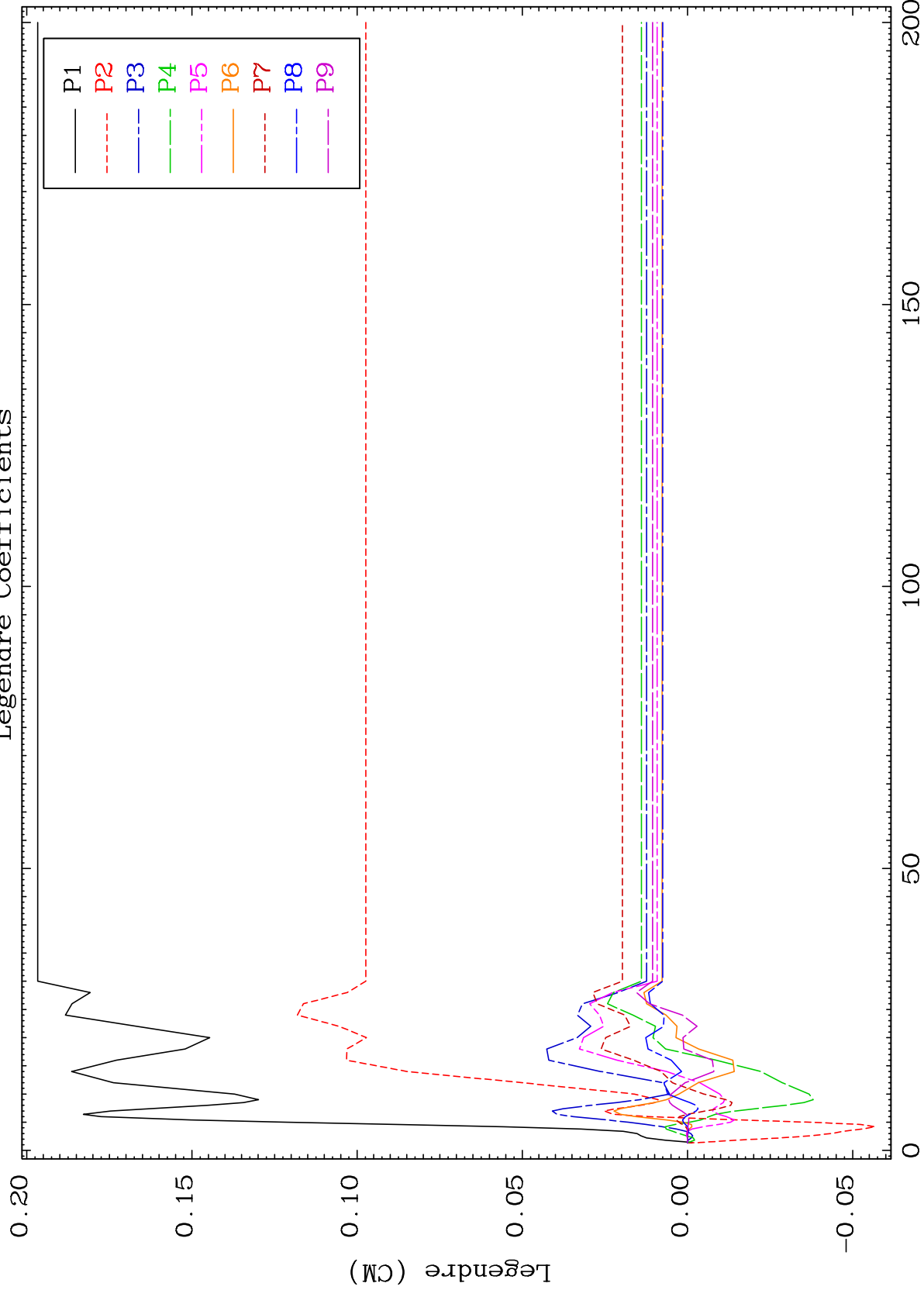
58-Ce-136

30

MAT 5825

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

58-Ce-136



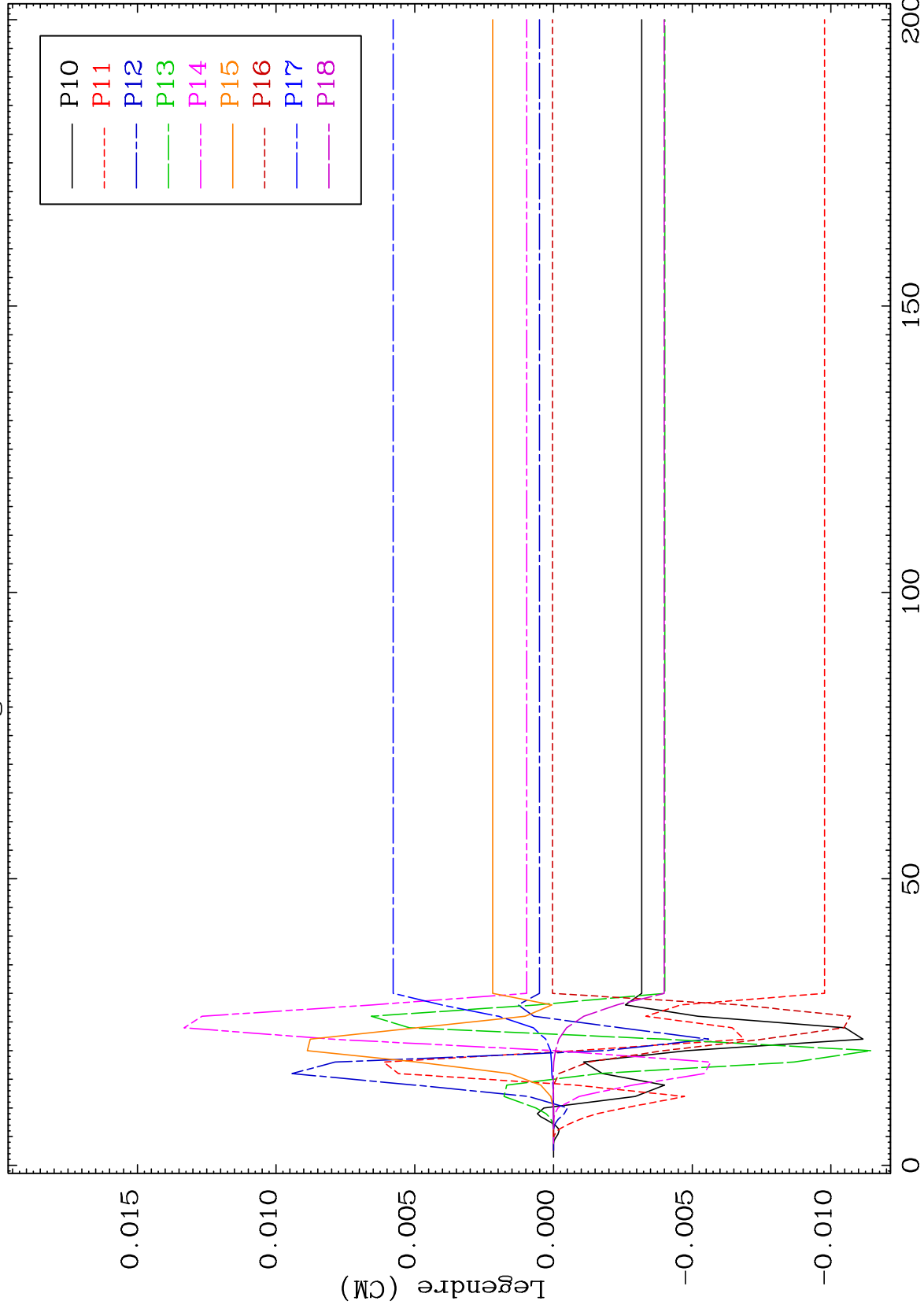
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58-Ce-136

MAT 5825

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

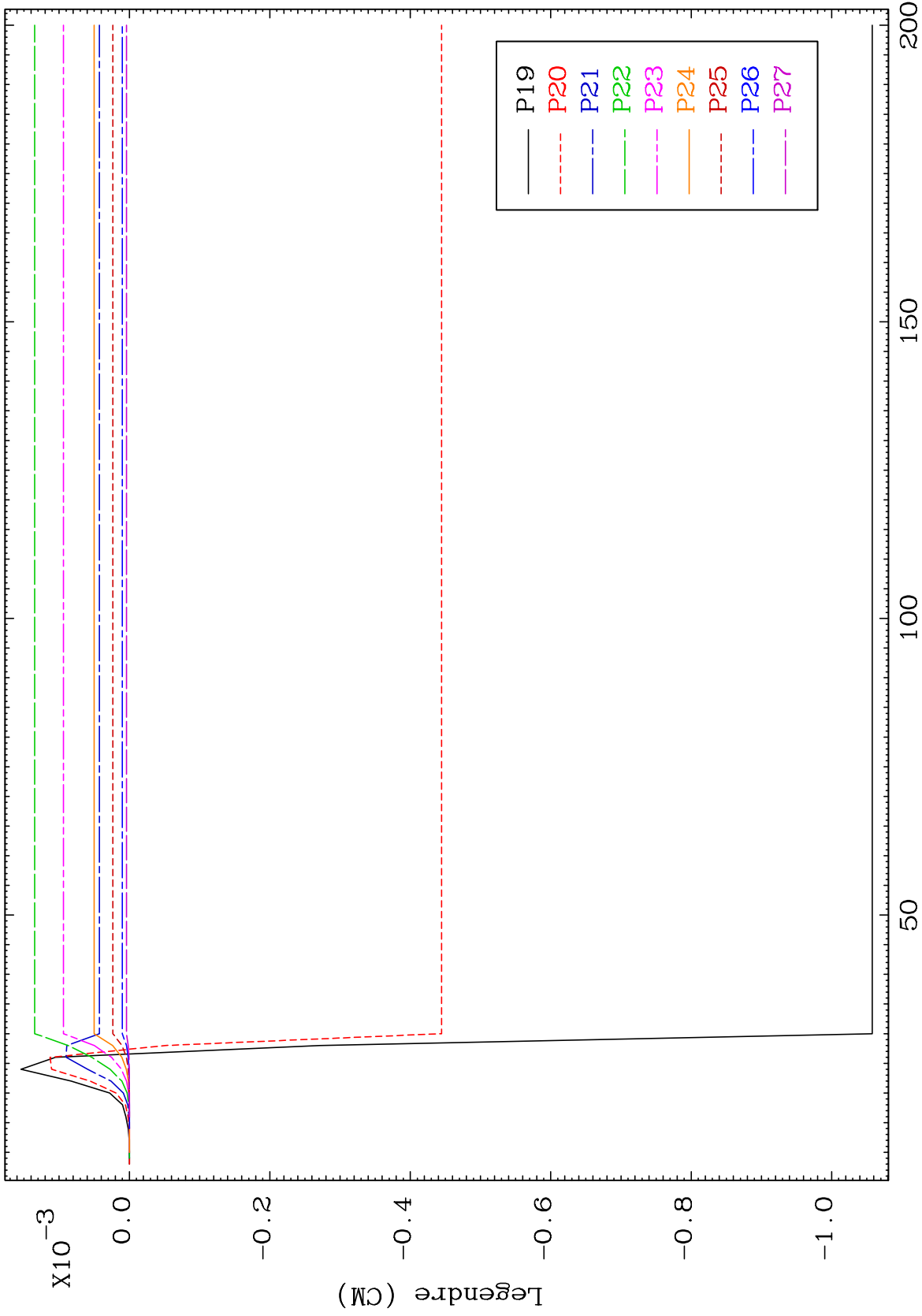
58-Ce-136



32

Incident Energy (MeV)

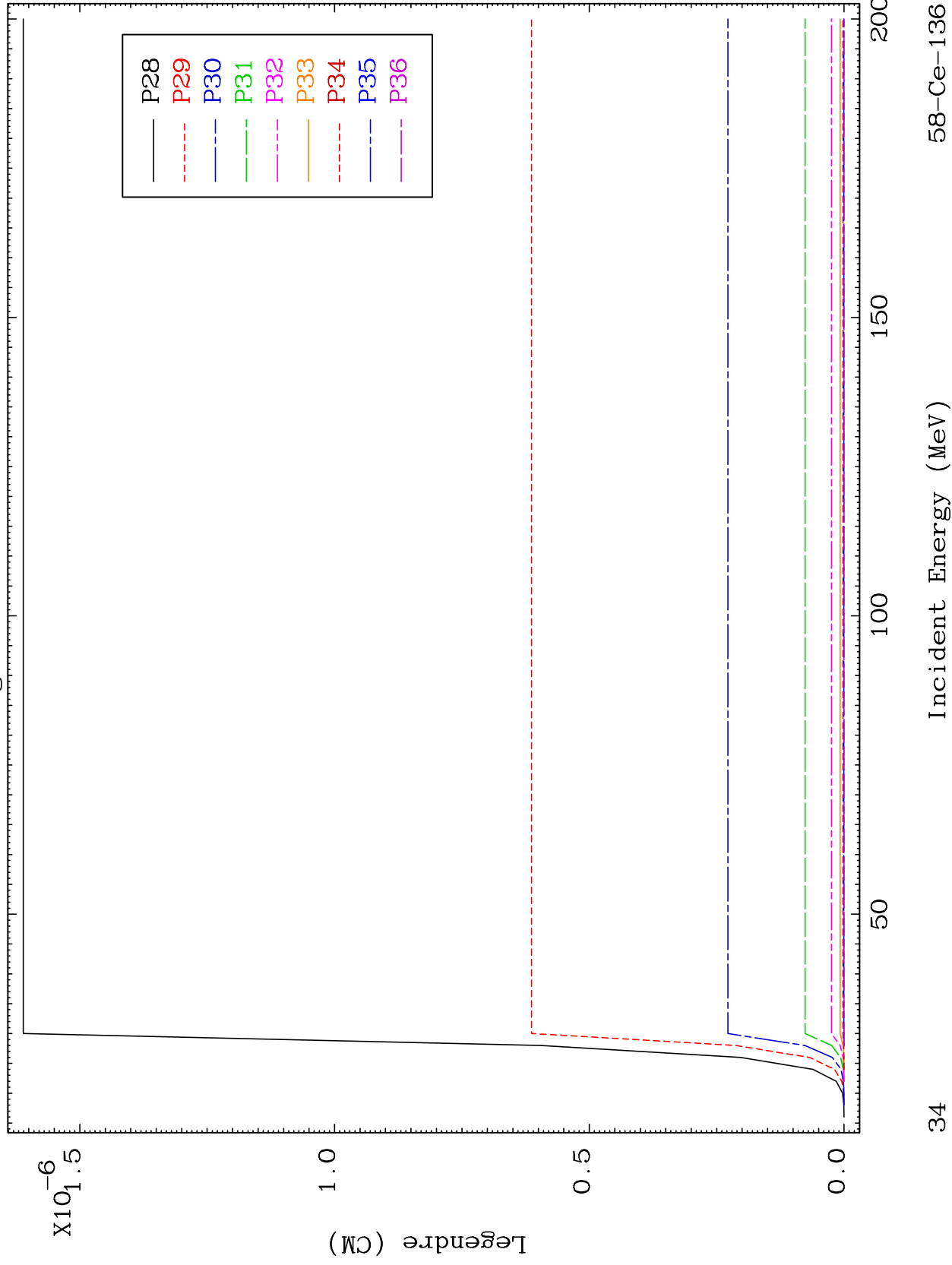
58-Ce-136



MAT 5825

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

58-Ce-136

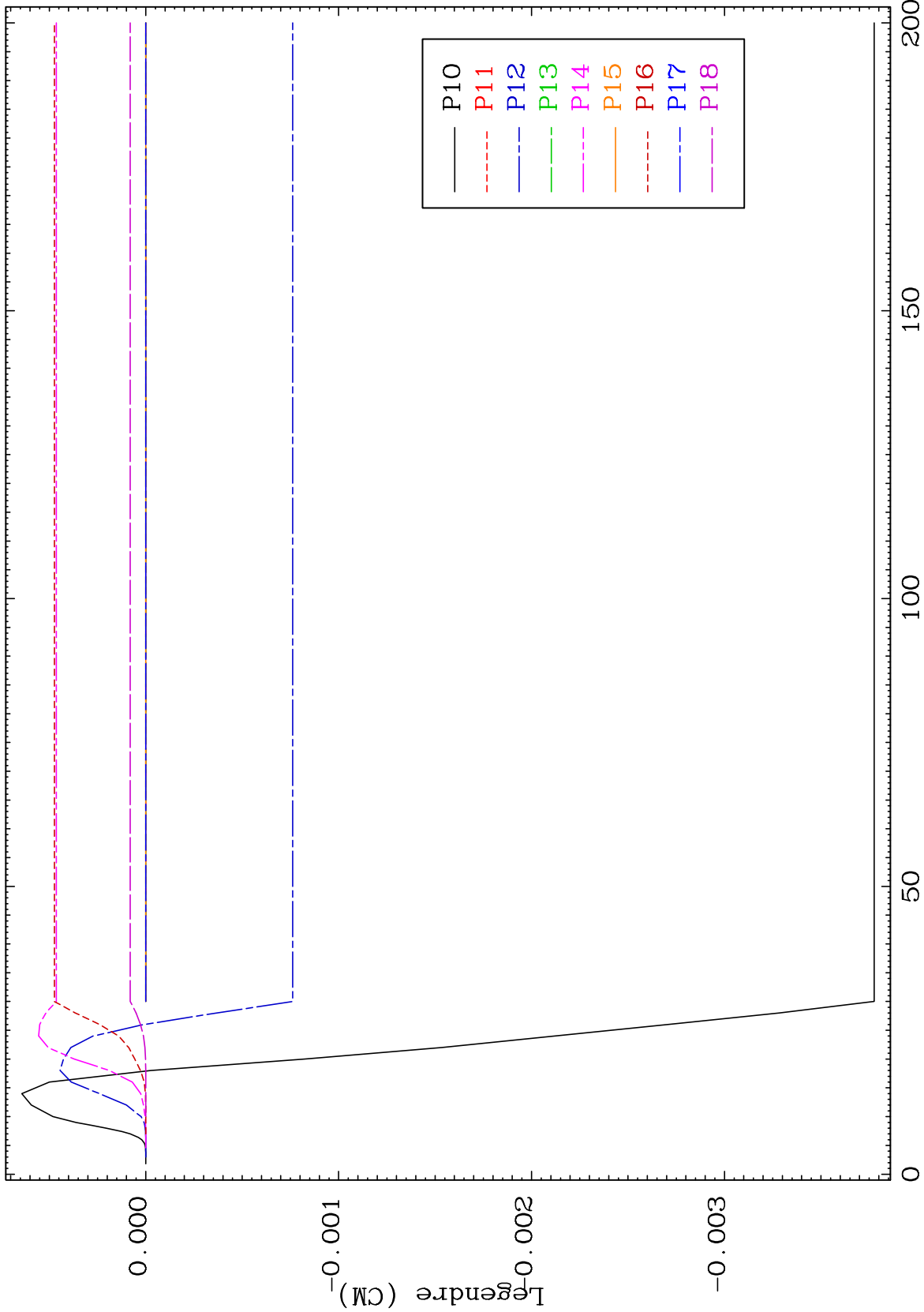




MAT 5825

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

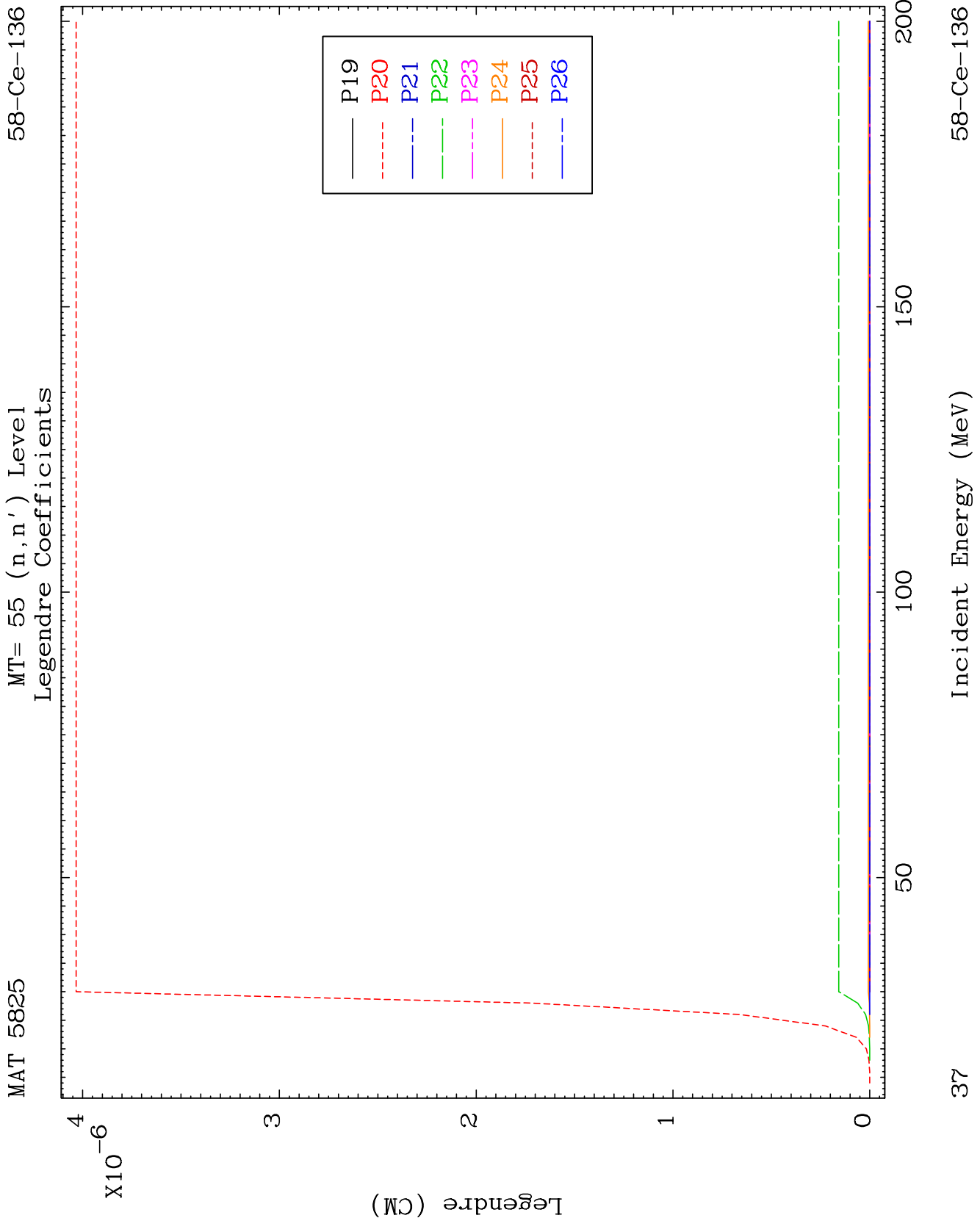
58-Ce-136



36

Incident Energy (MeV)

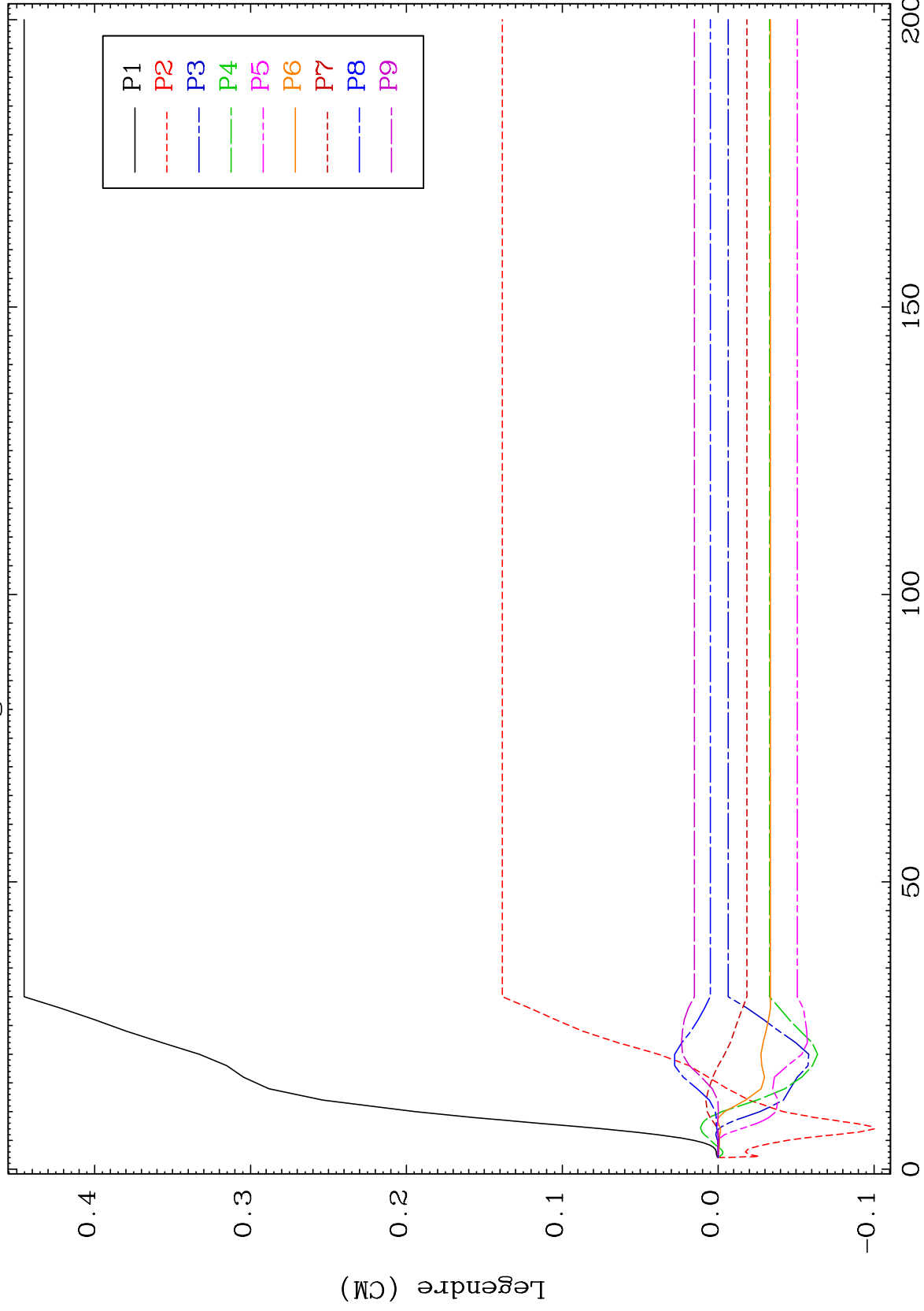
58-Ce-136



MAT 5825

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

58-Ce-136



38

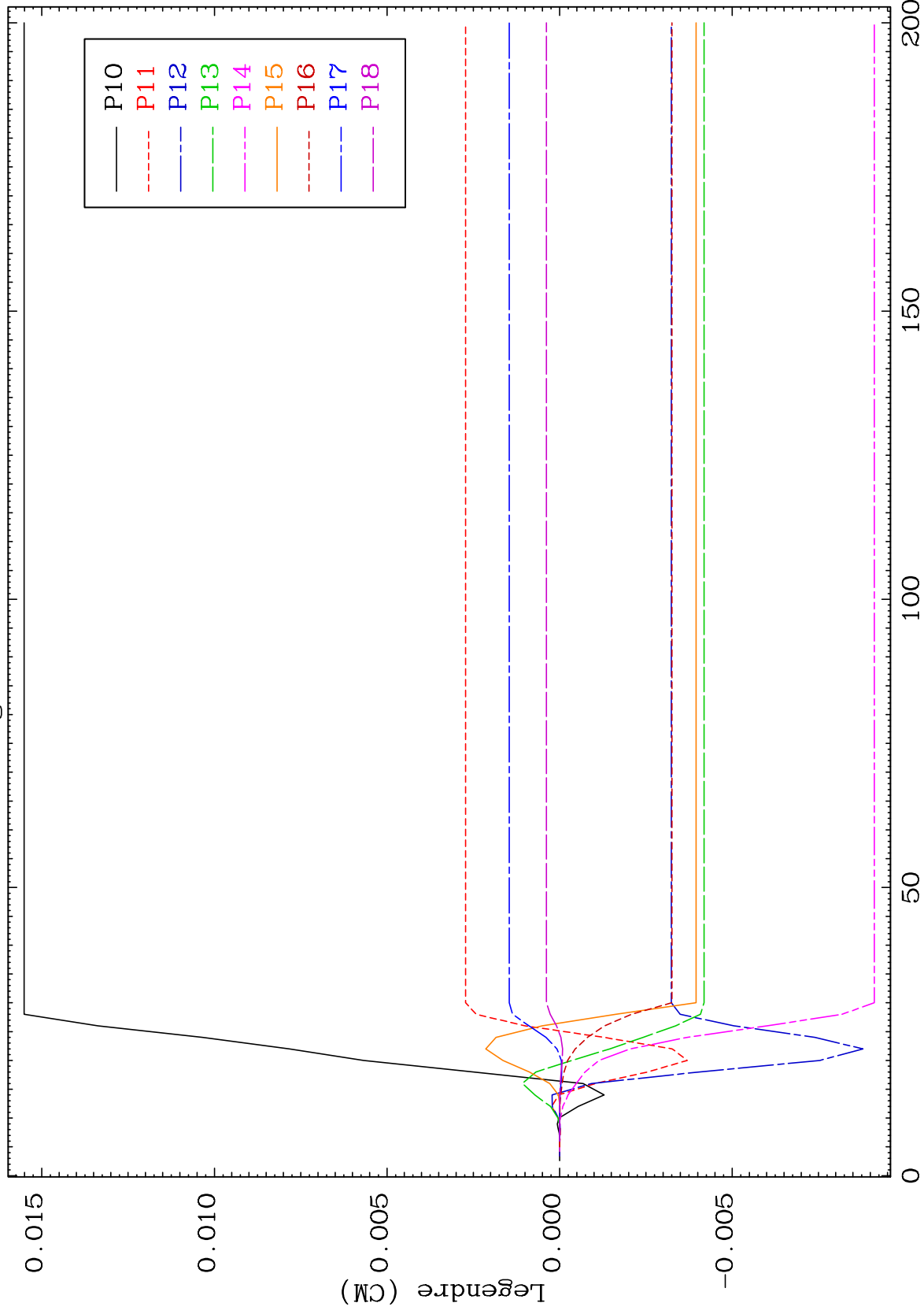
Incident Energy (MeV)

58-Ce-136

MAT 5825

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

58-Ce-136



39

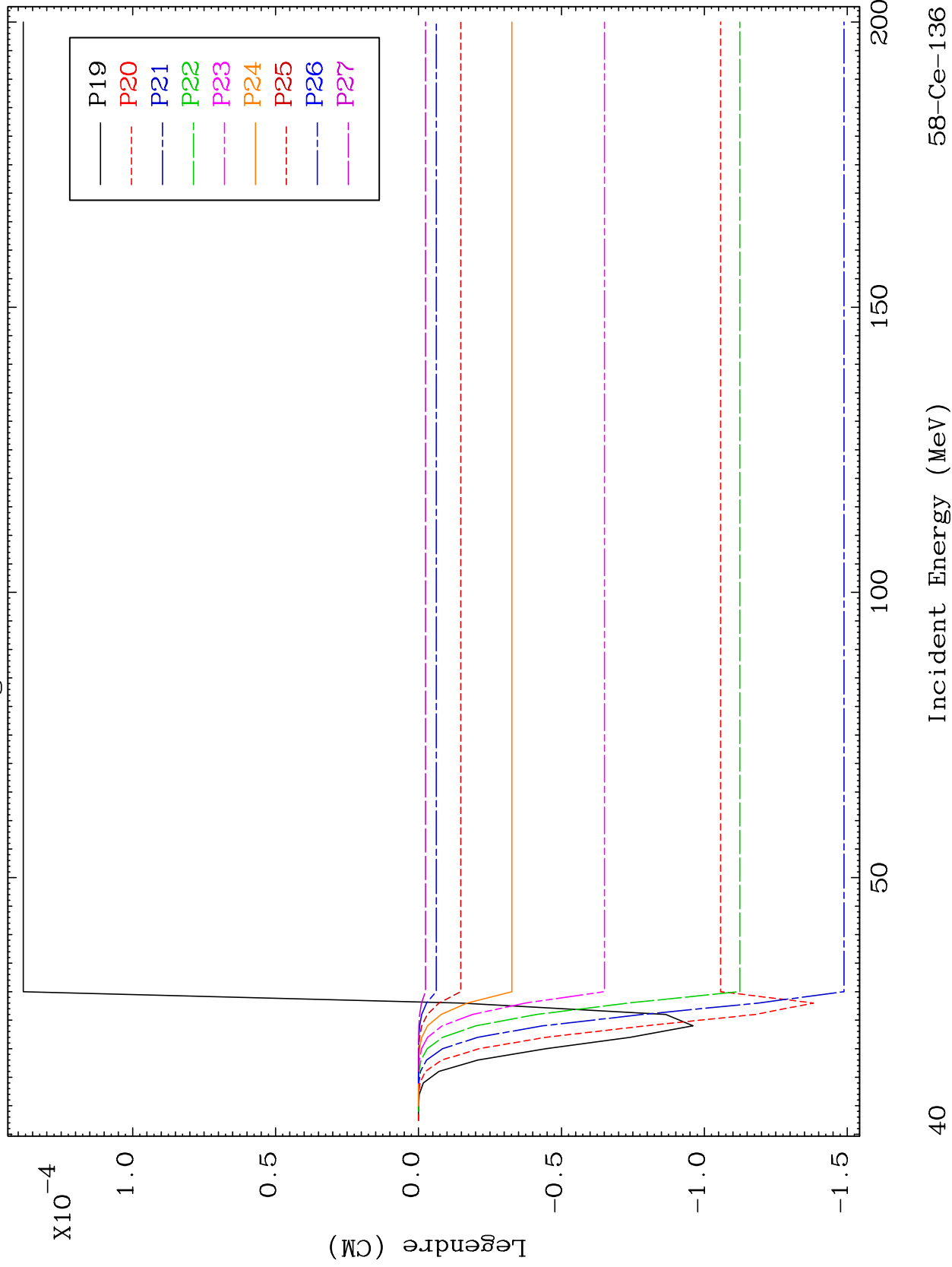
Incident Energy (MeV)

58-Ce-136

MAT 5825

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

58-Ce-136



40

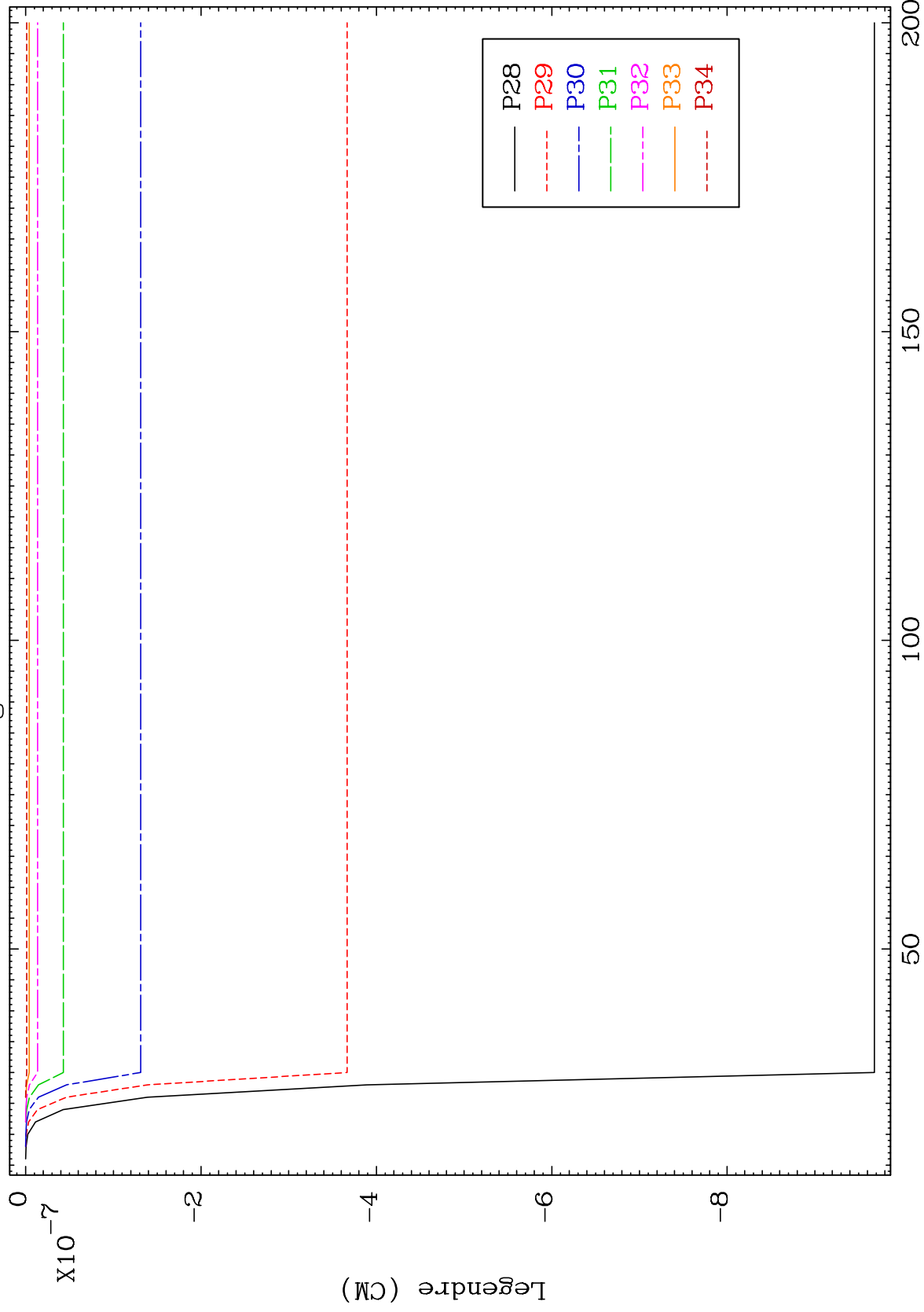
Incident Energy (MeV)

58-Ce-136

MAT 5825

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

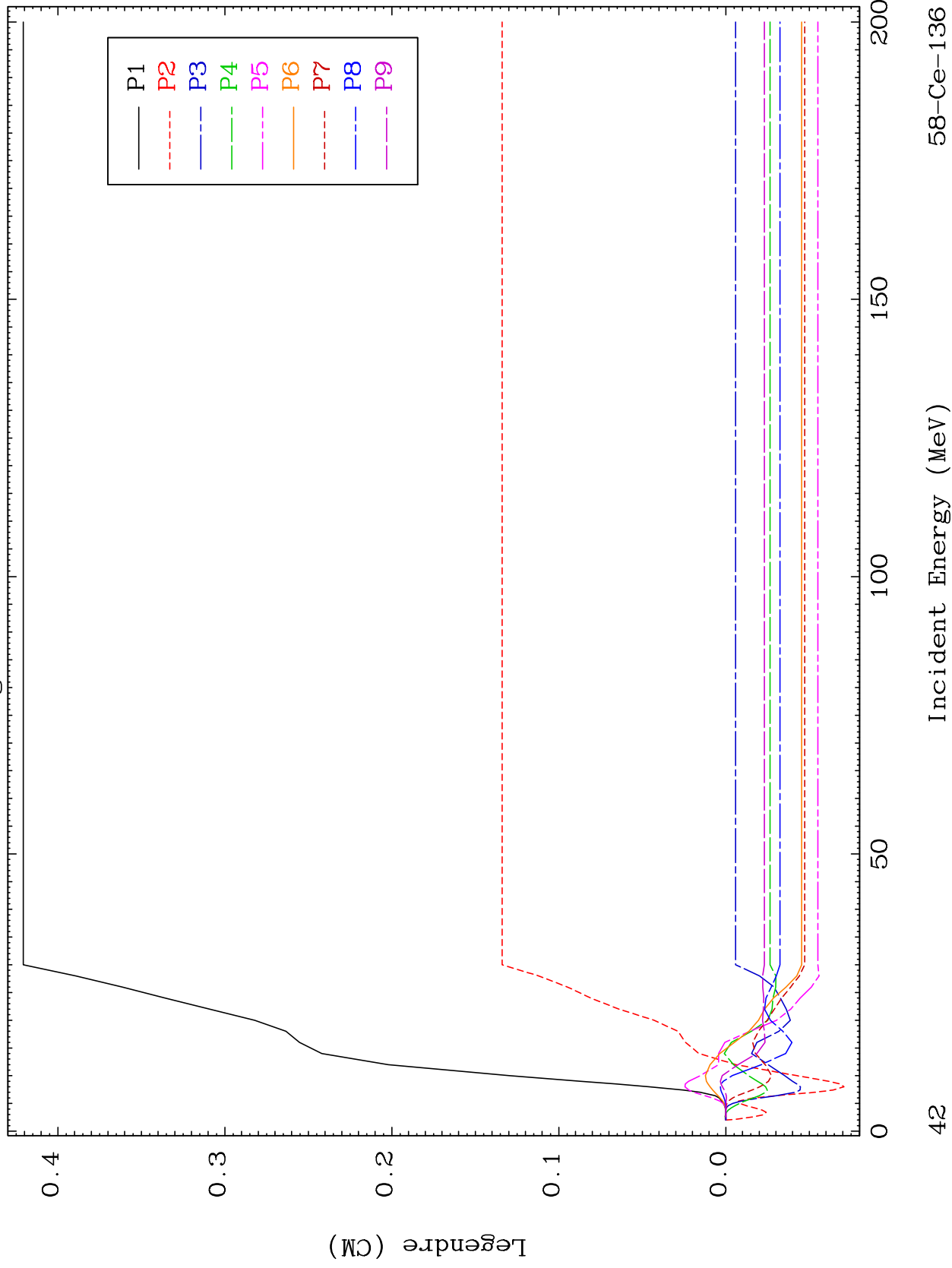
58-Ce-136



MAT 5825

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

58-Ce-136



58-Ce-136

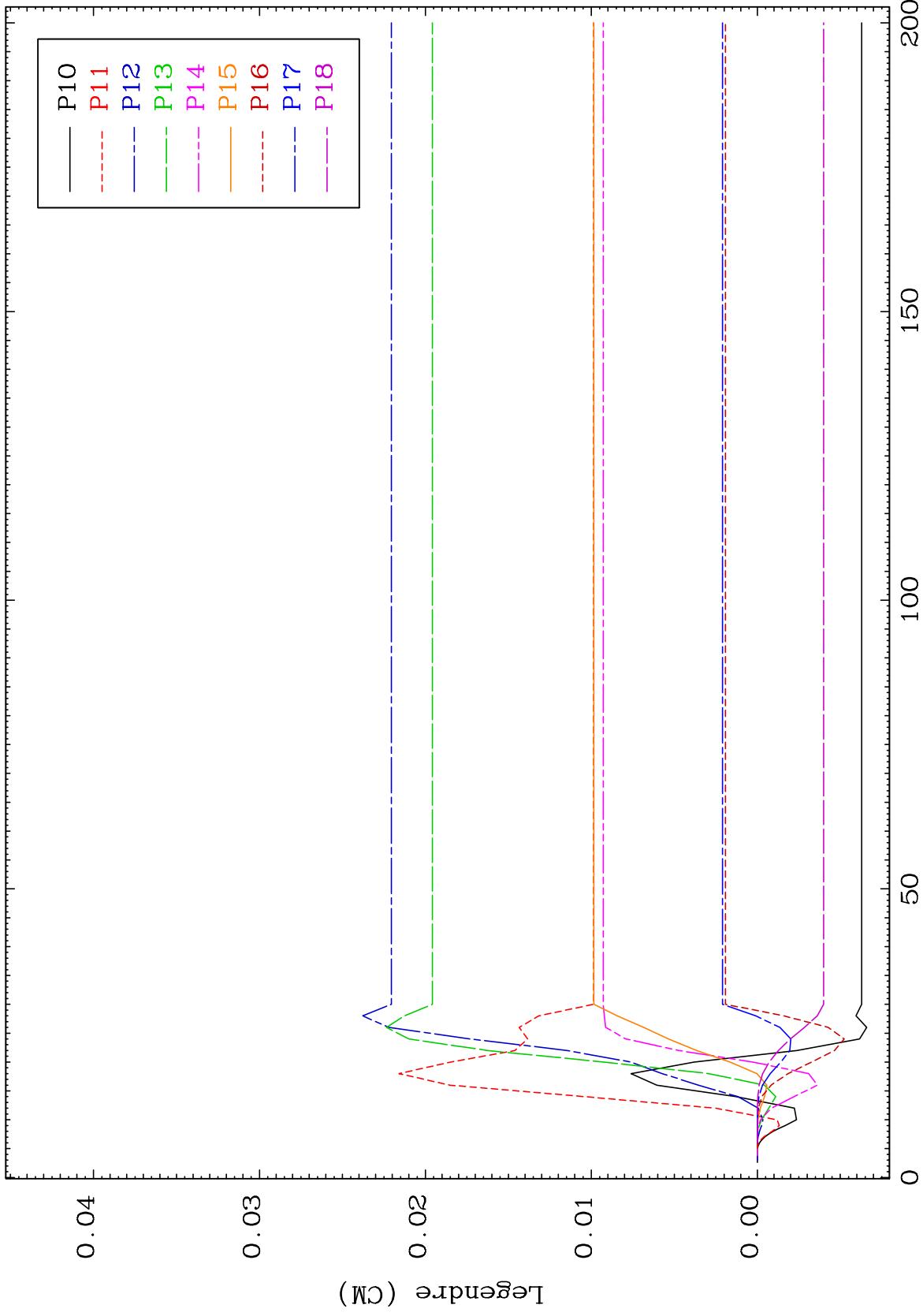
Incident Energy (MeV)

42

MAT 5825

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

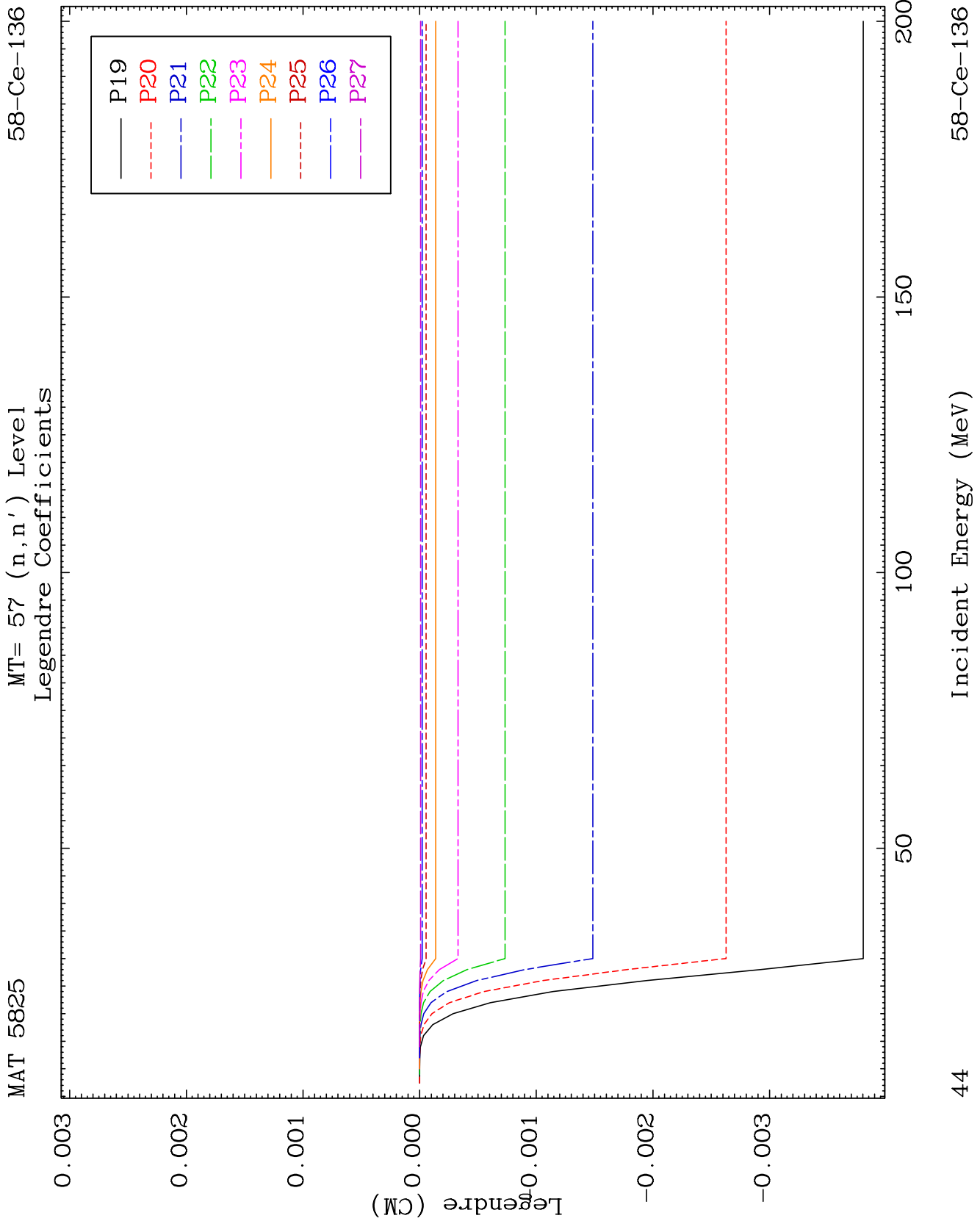
58-Ce-136

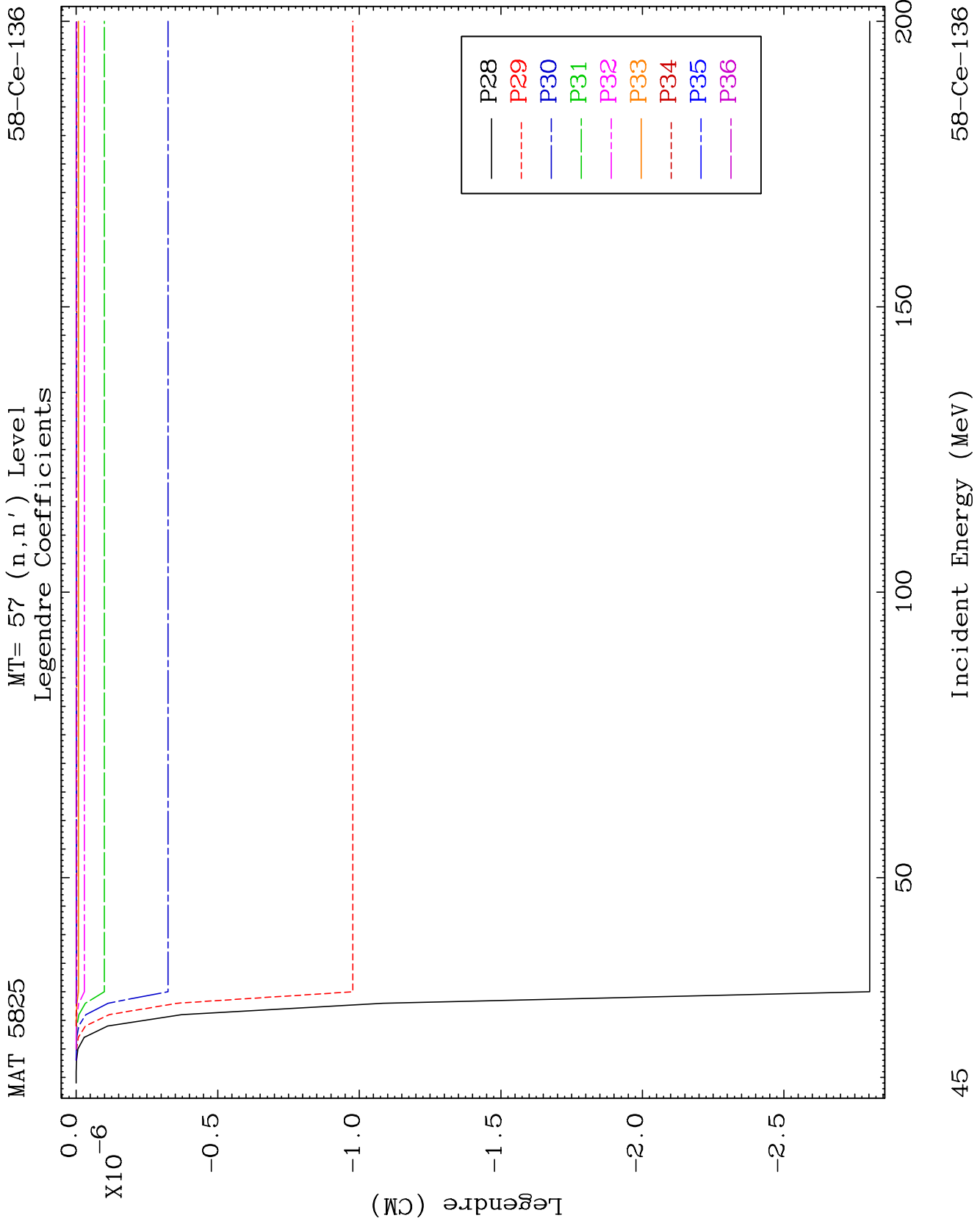


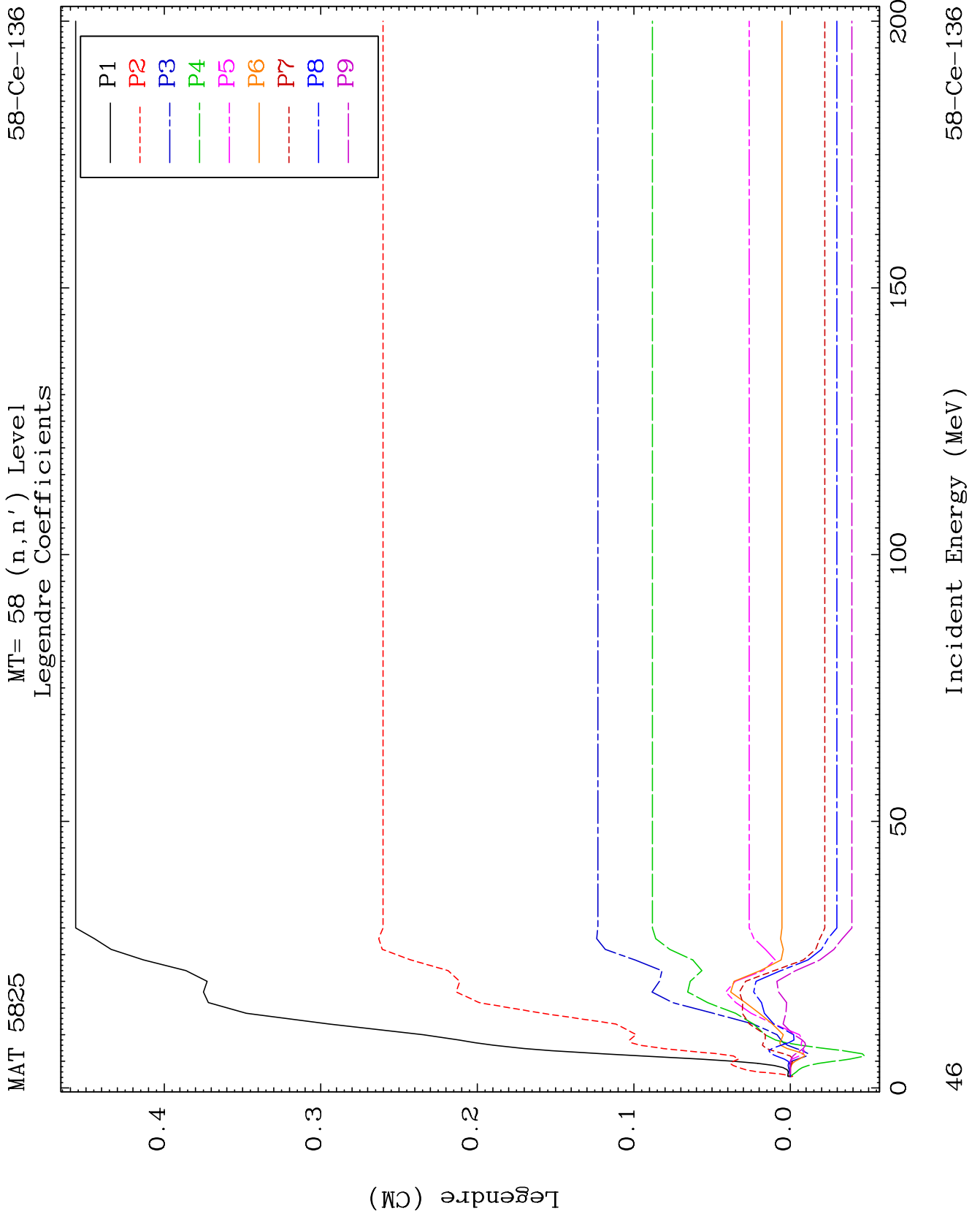
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Incident Energy (MeV)

58-Ce-136



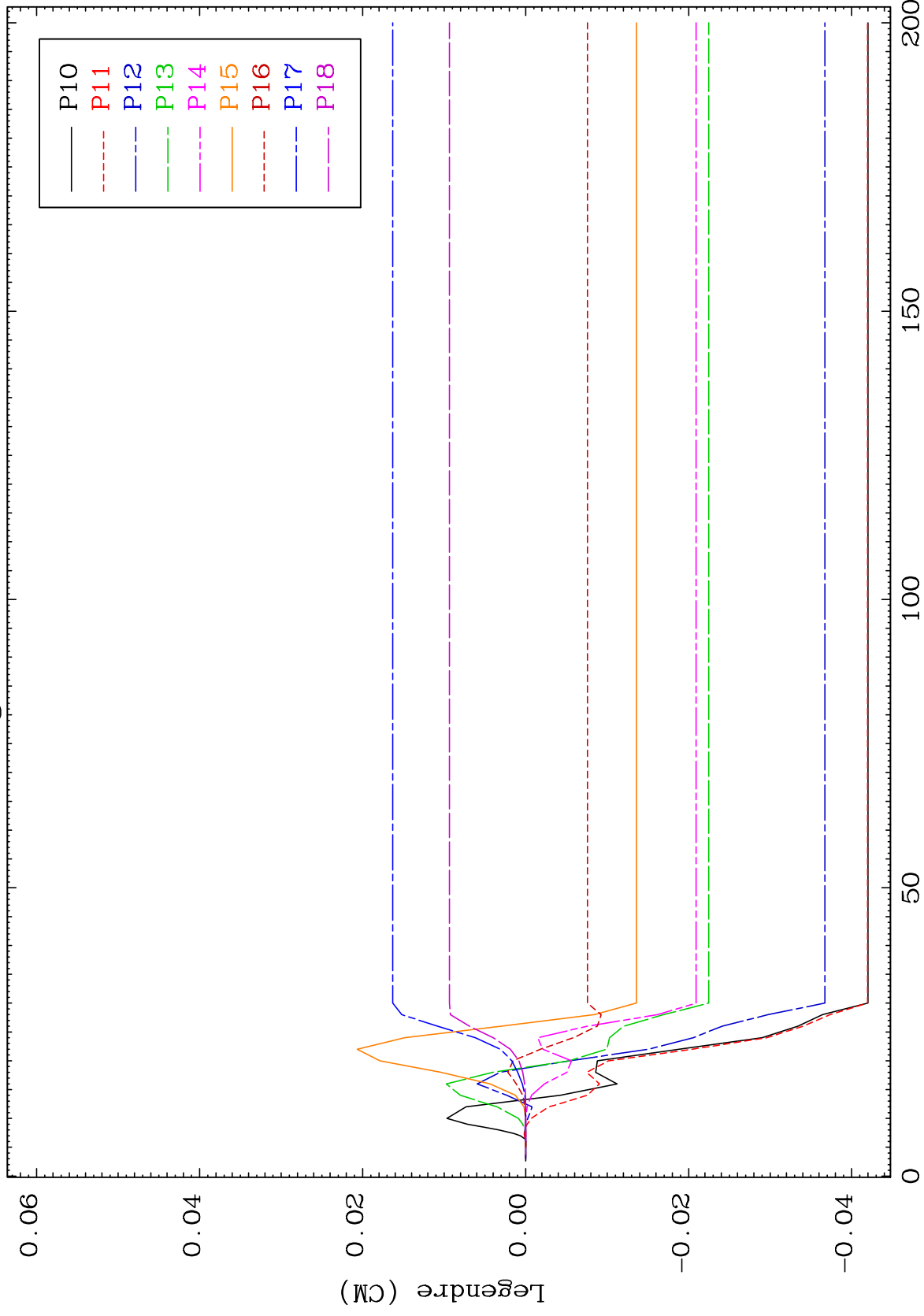




MAT 5825

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

58-Ce-136



47

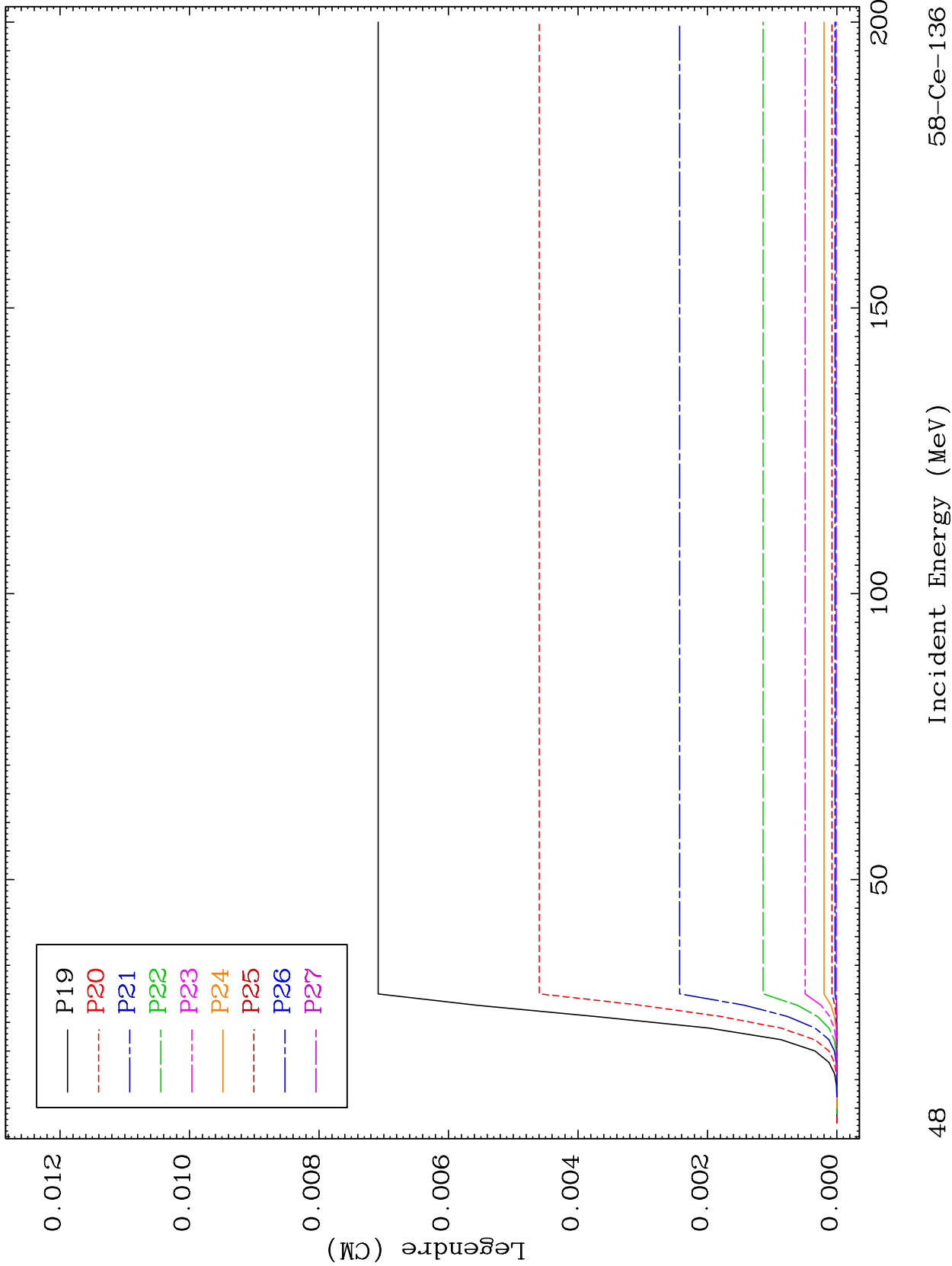
Incident Energy (MeV)

58-Ce-136

MAT 5825

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

58-Ce-136



48

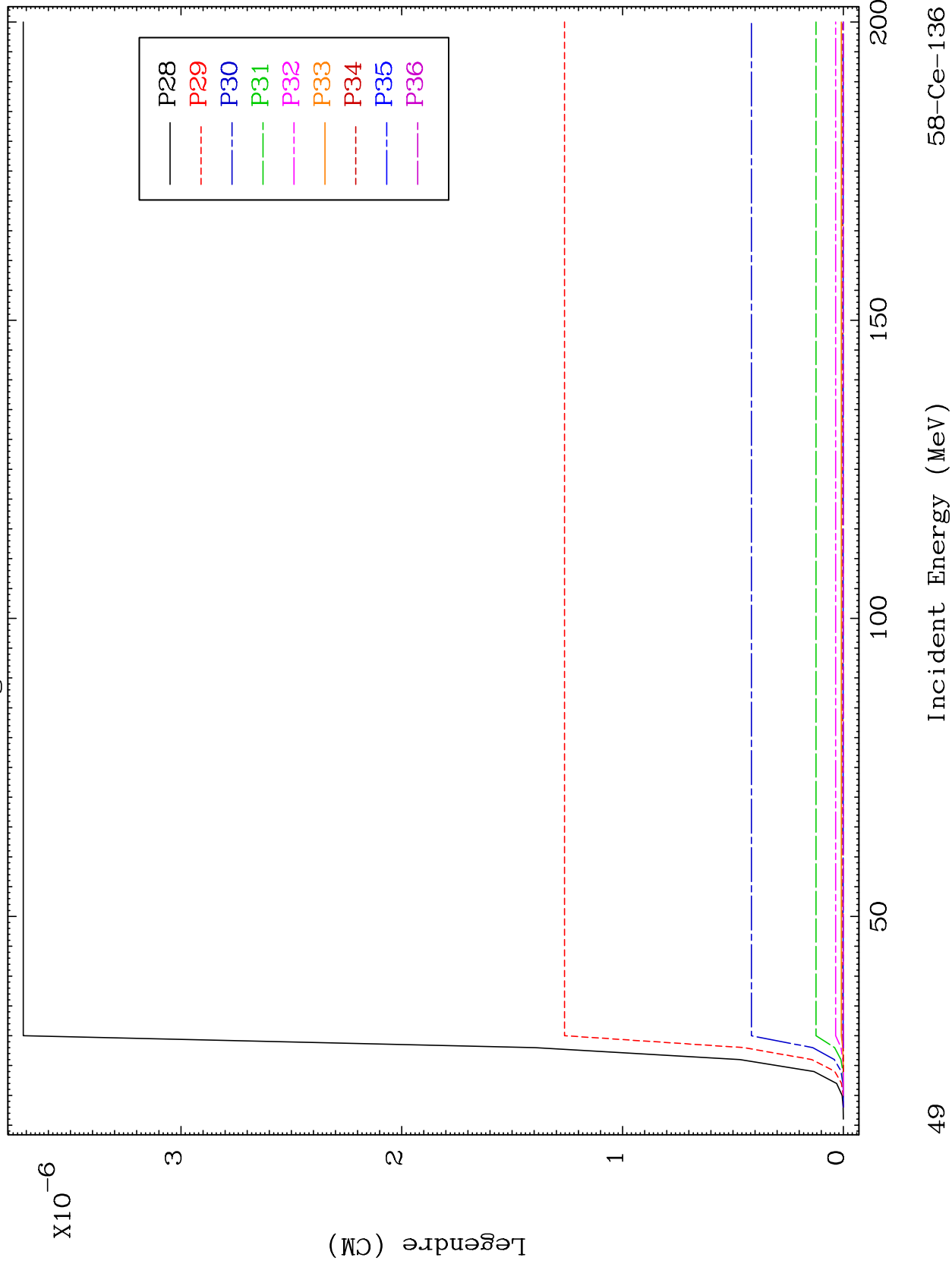
Incident Energy (MeV)

58-Ce-136

MAT 5825

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

58-Ce-136



49

Incident Energy (MeV)

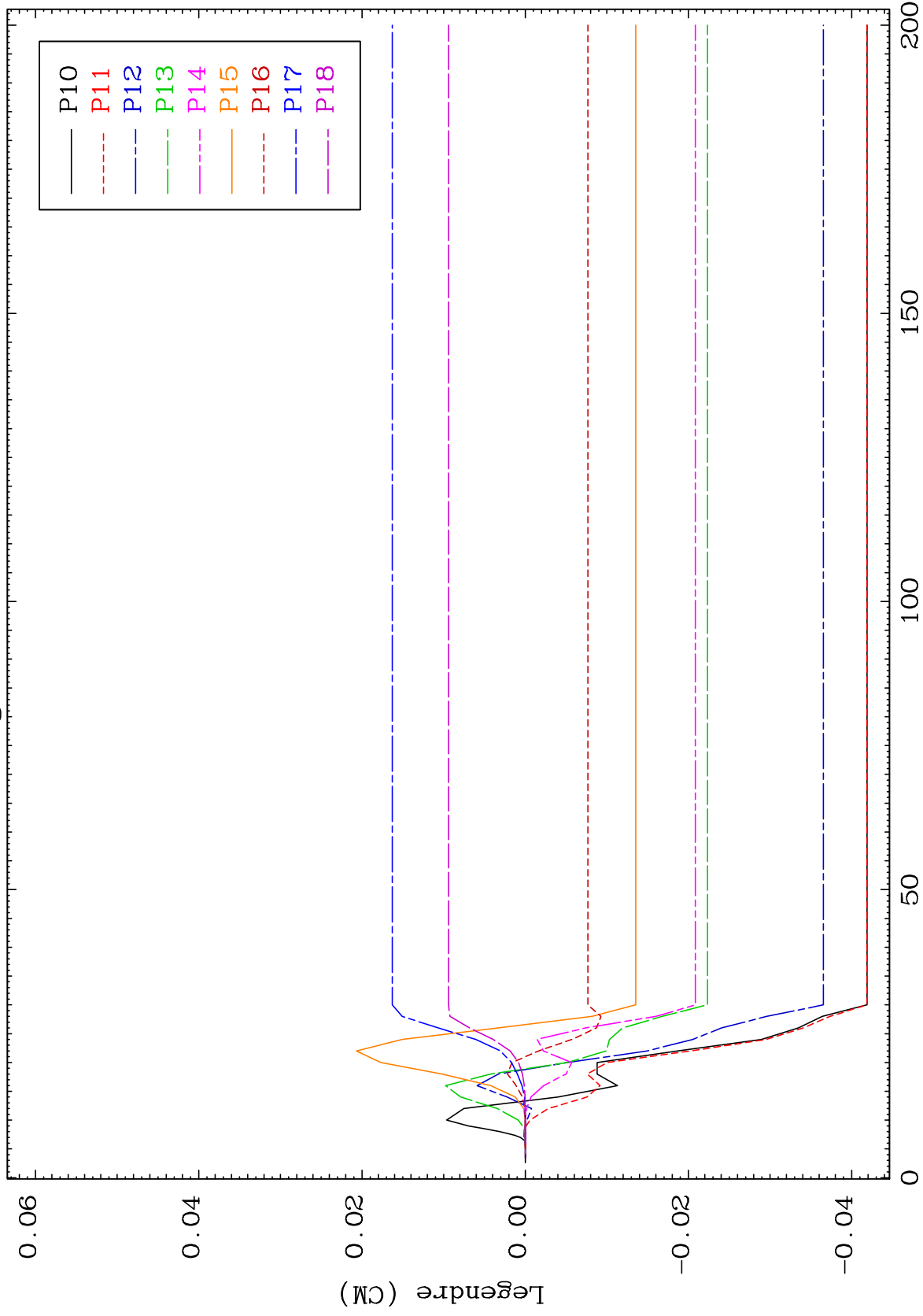
58-Ce-136



MAT 5825

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

58-Ce-136



51

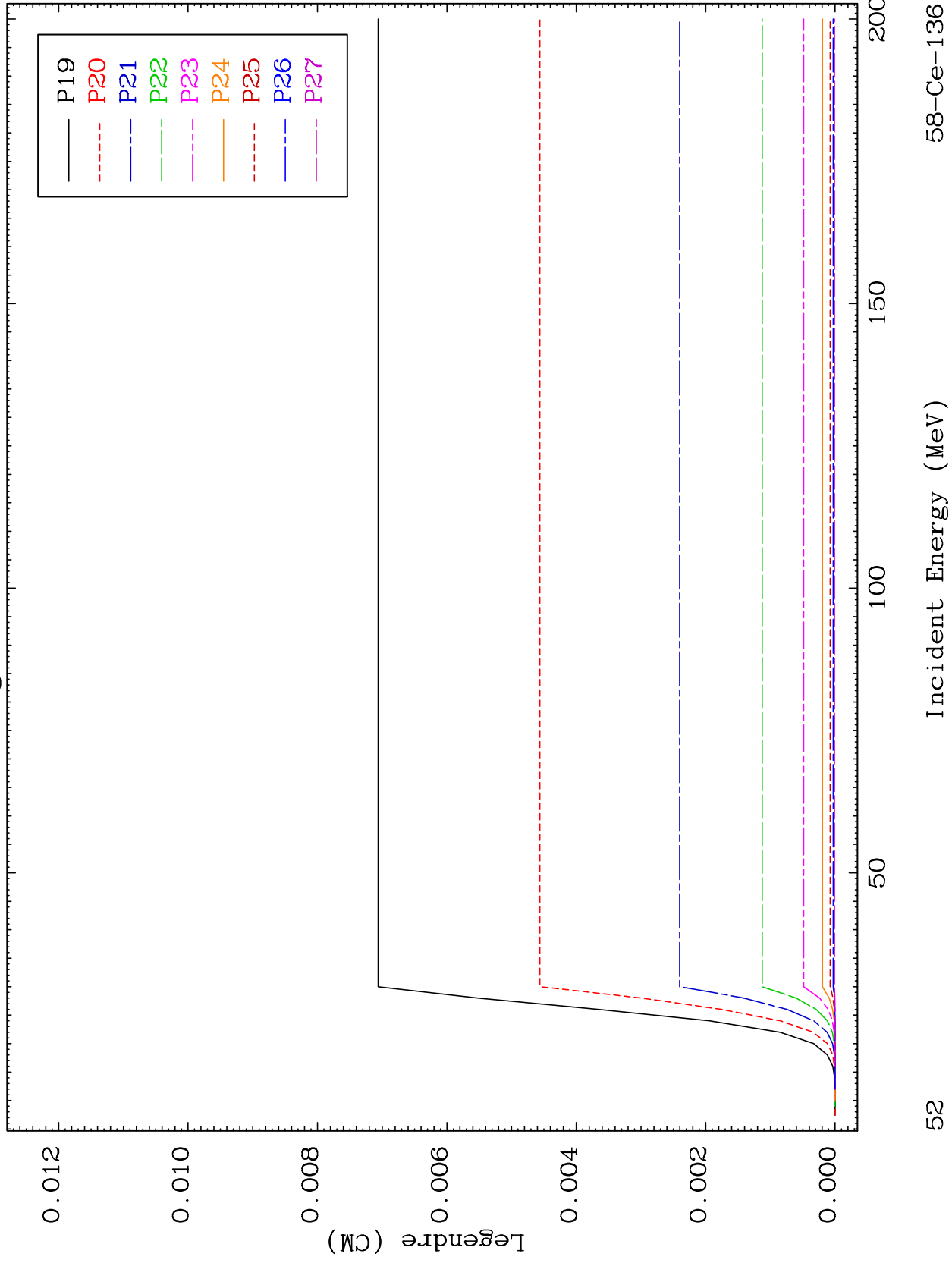
Incident Energy (MeV)

58-Ce-136

MAT 5825

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

58-Ce-136



52

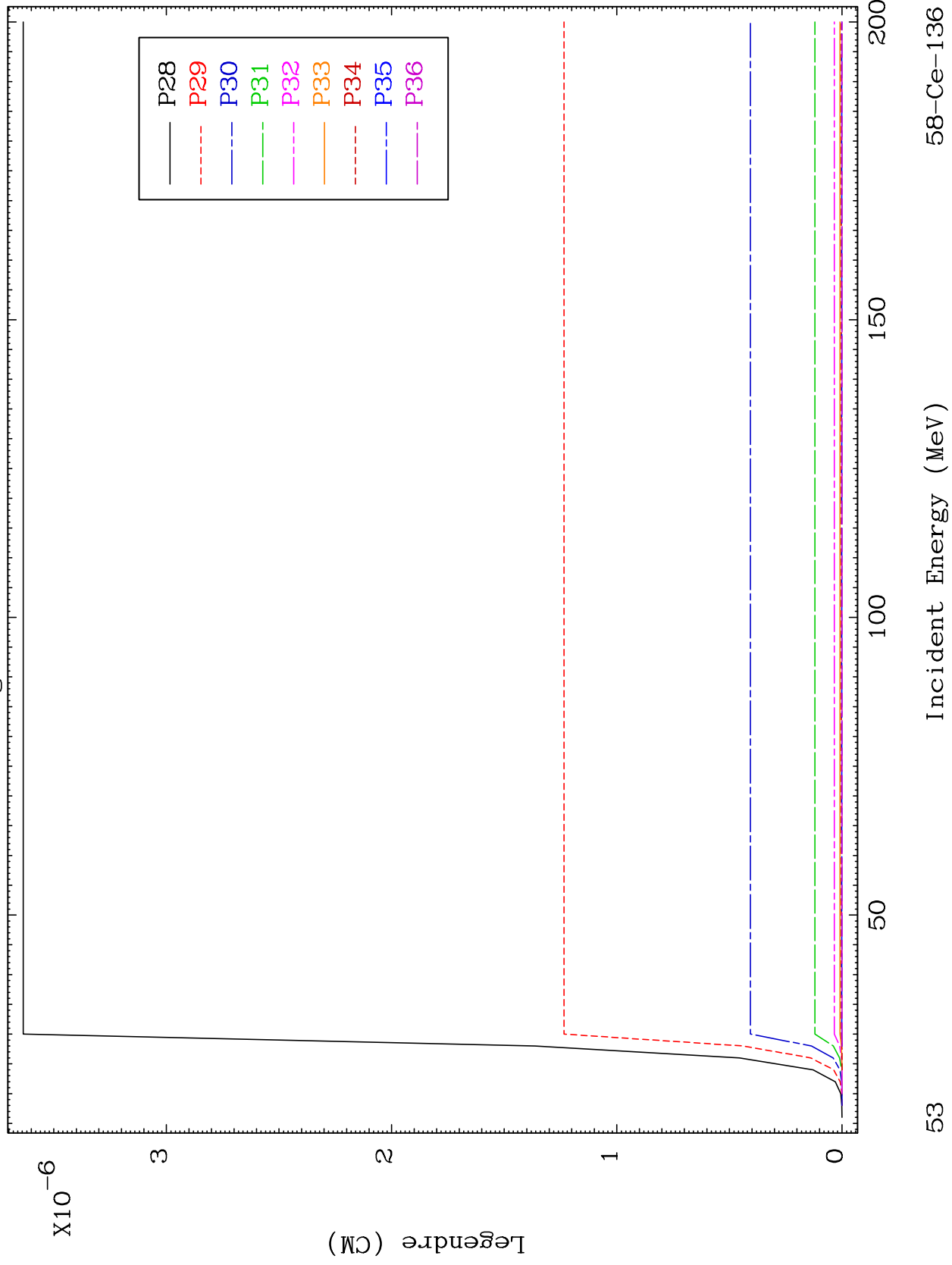
Incident Energy (MeV)

58-Ce-136

MAT 5825

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

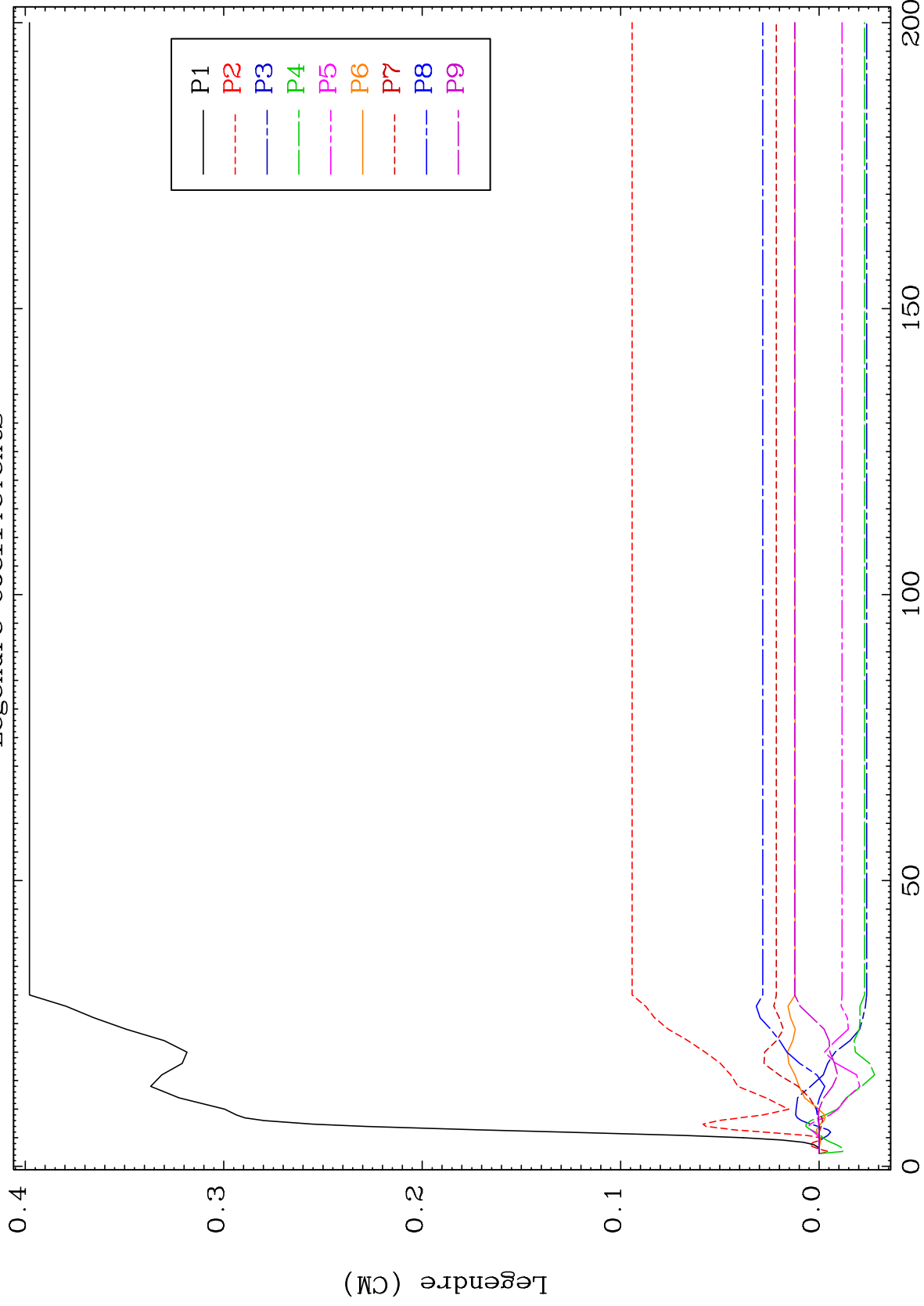
58-Ce-136



MAT 5825

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

58-Ce-136



54

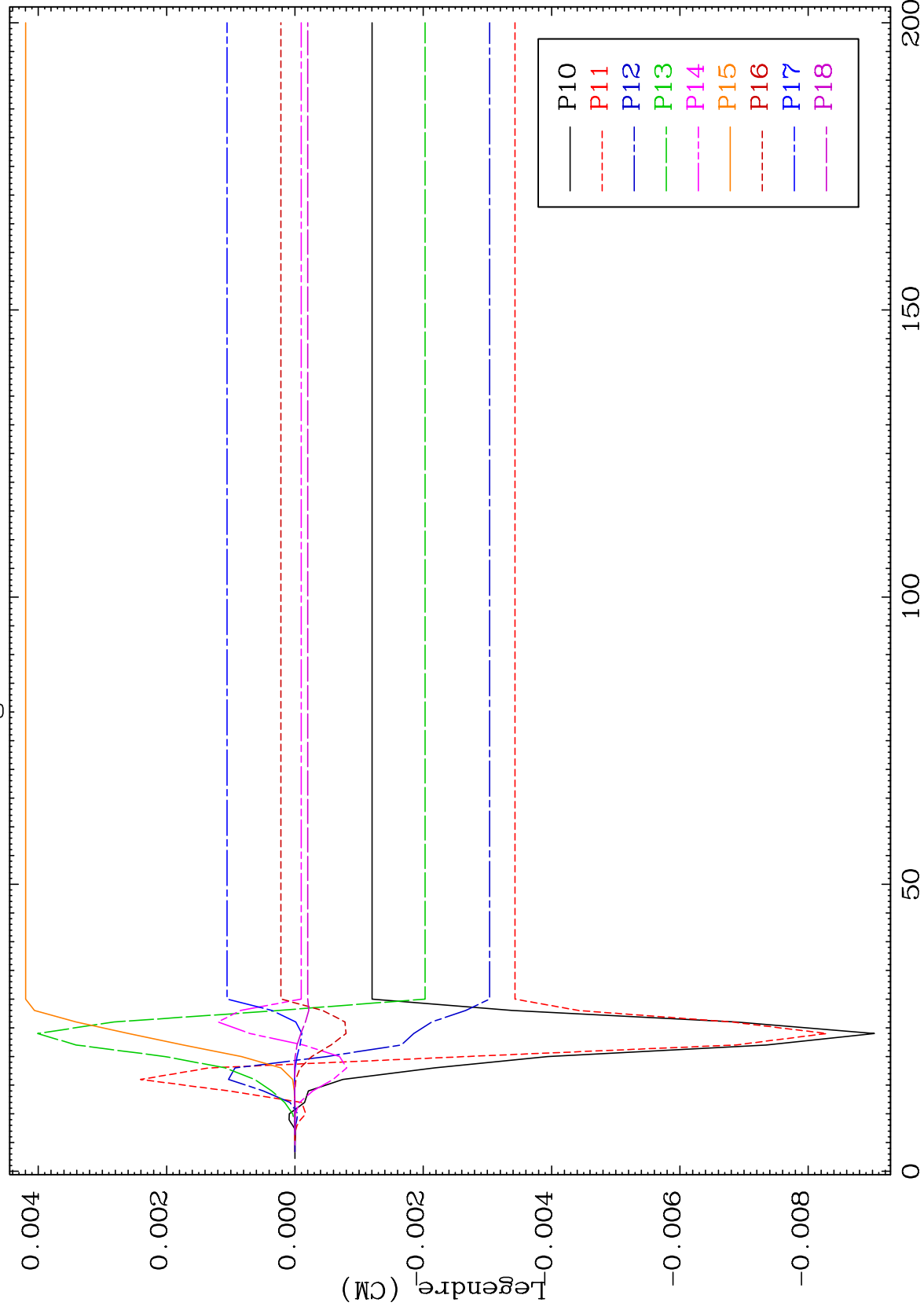
Incident Energy (MeV)

58-Ce-136

MAT 5825

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

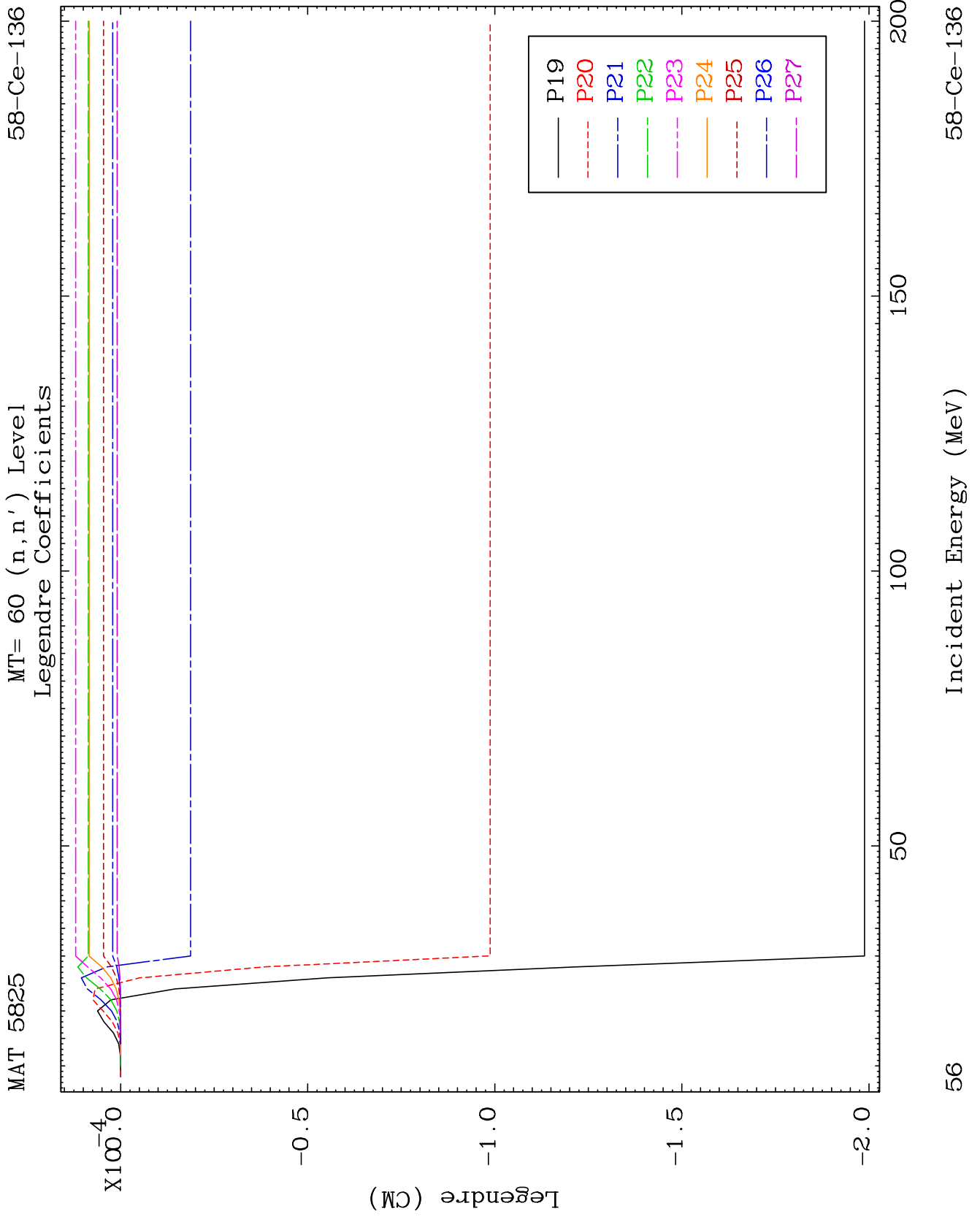
58-Ce-136



55

Incident Energy (MeV)

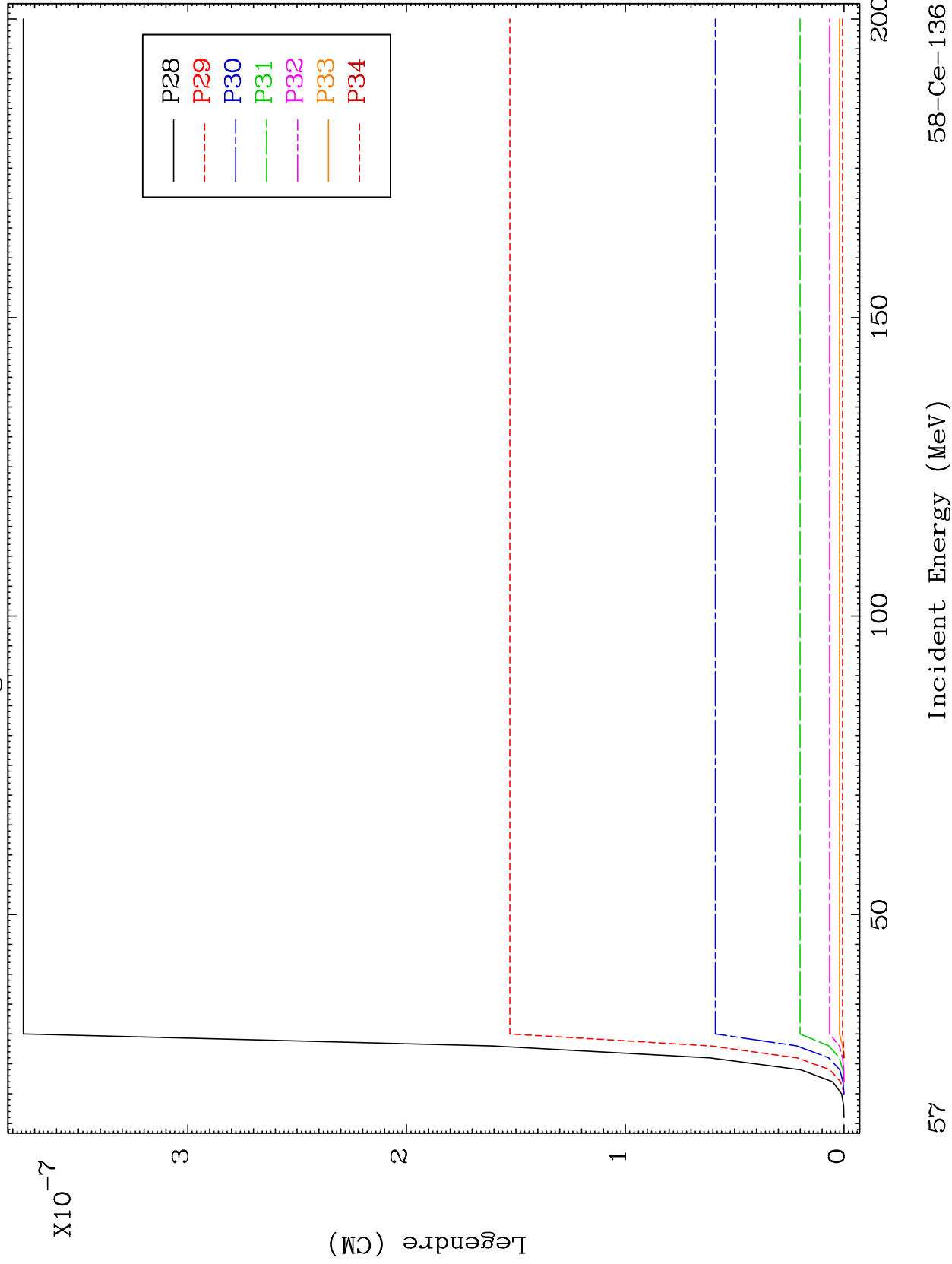
58-Ce-136



MAT 5825

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

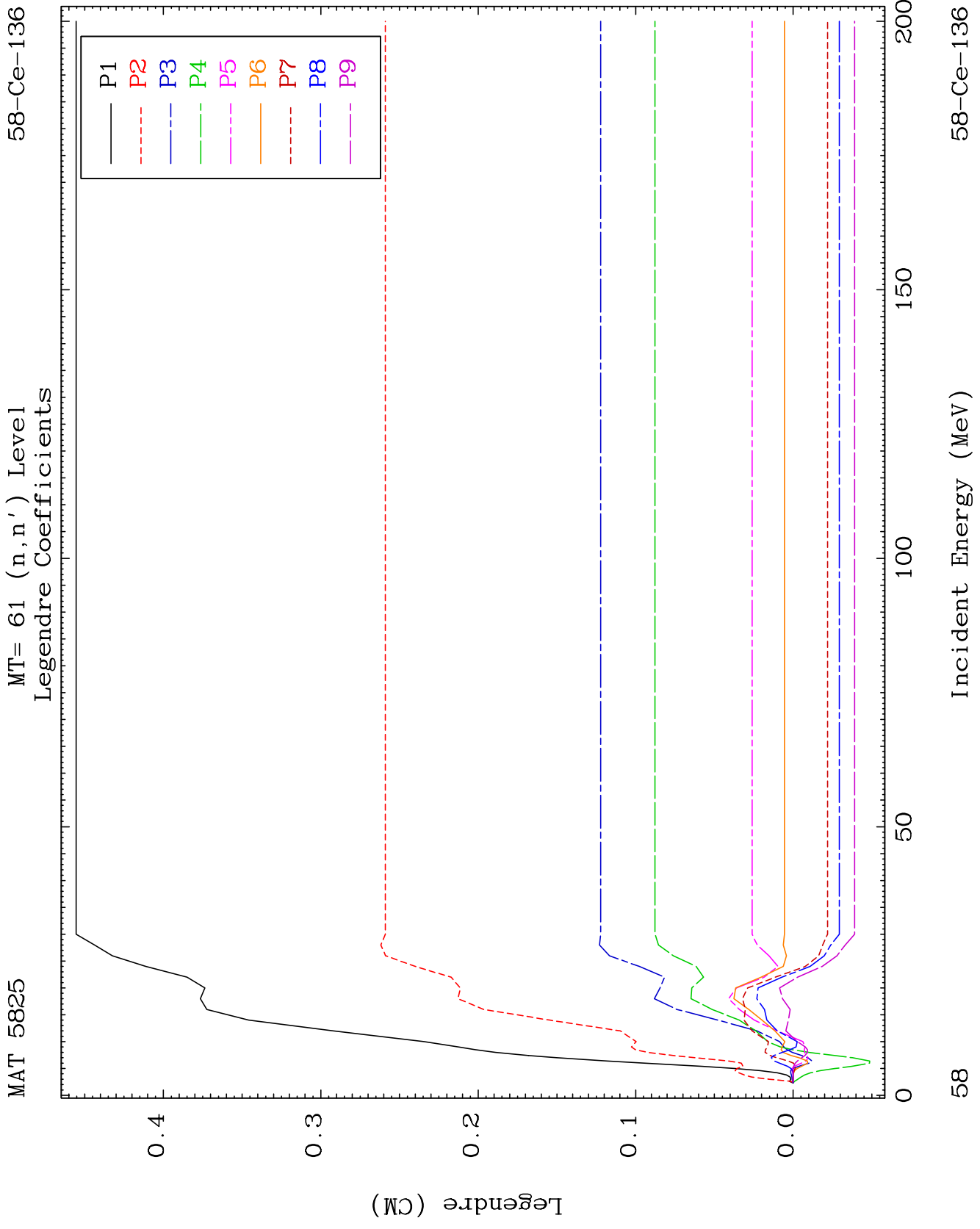
58-Ce-136



57

Incident Energy (MeV)

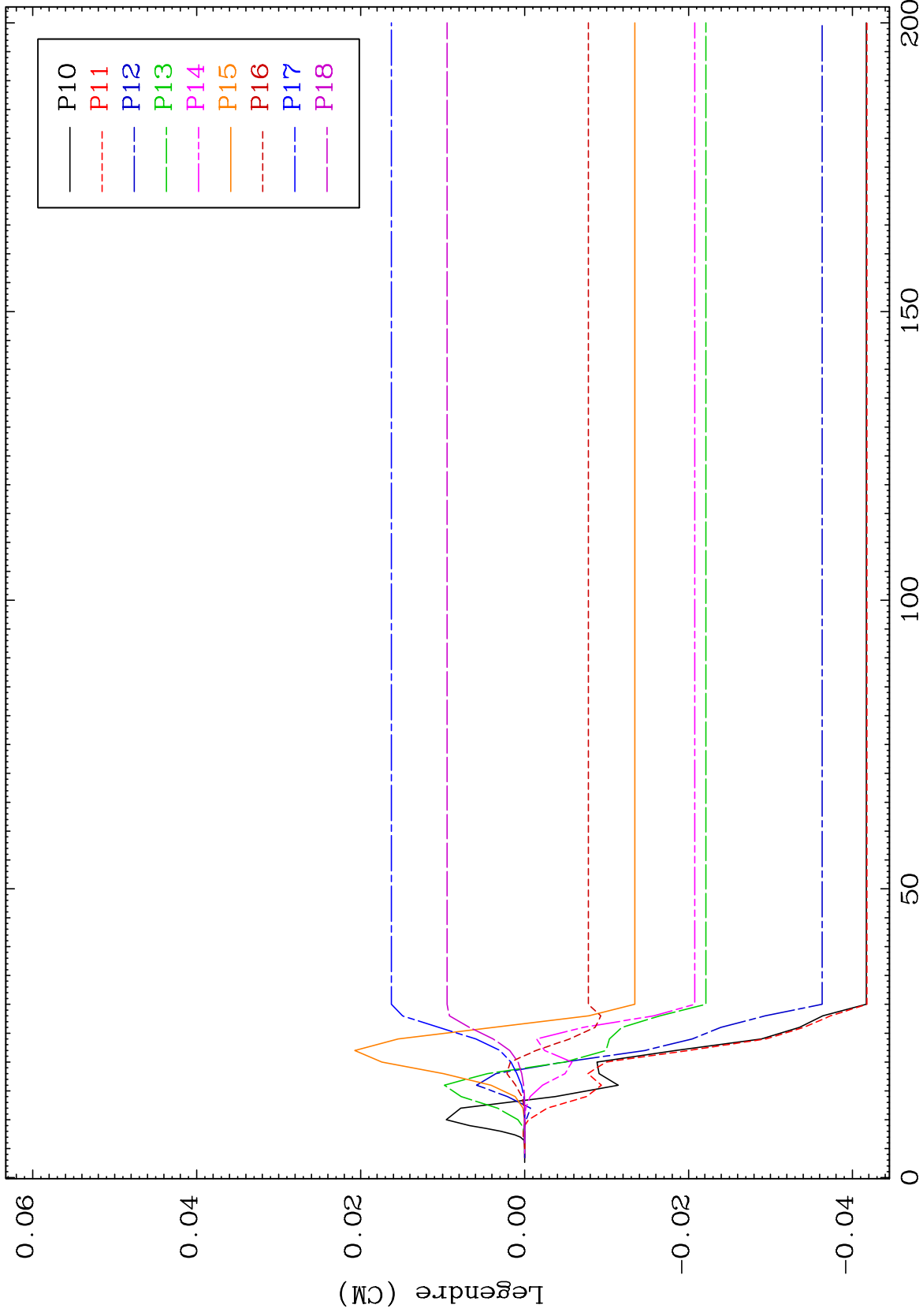
58-Ce-136



MAT 5825

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

58-Ce-136



59

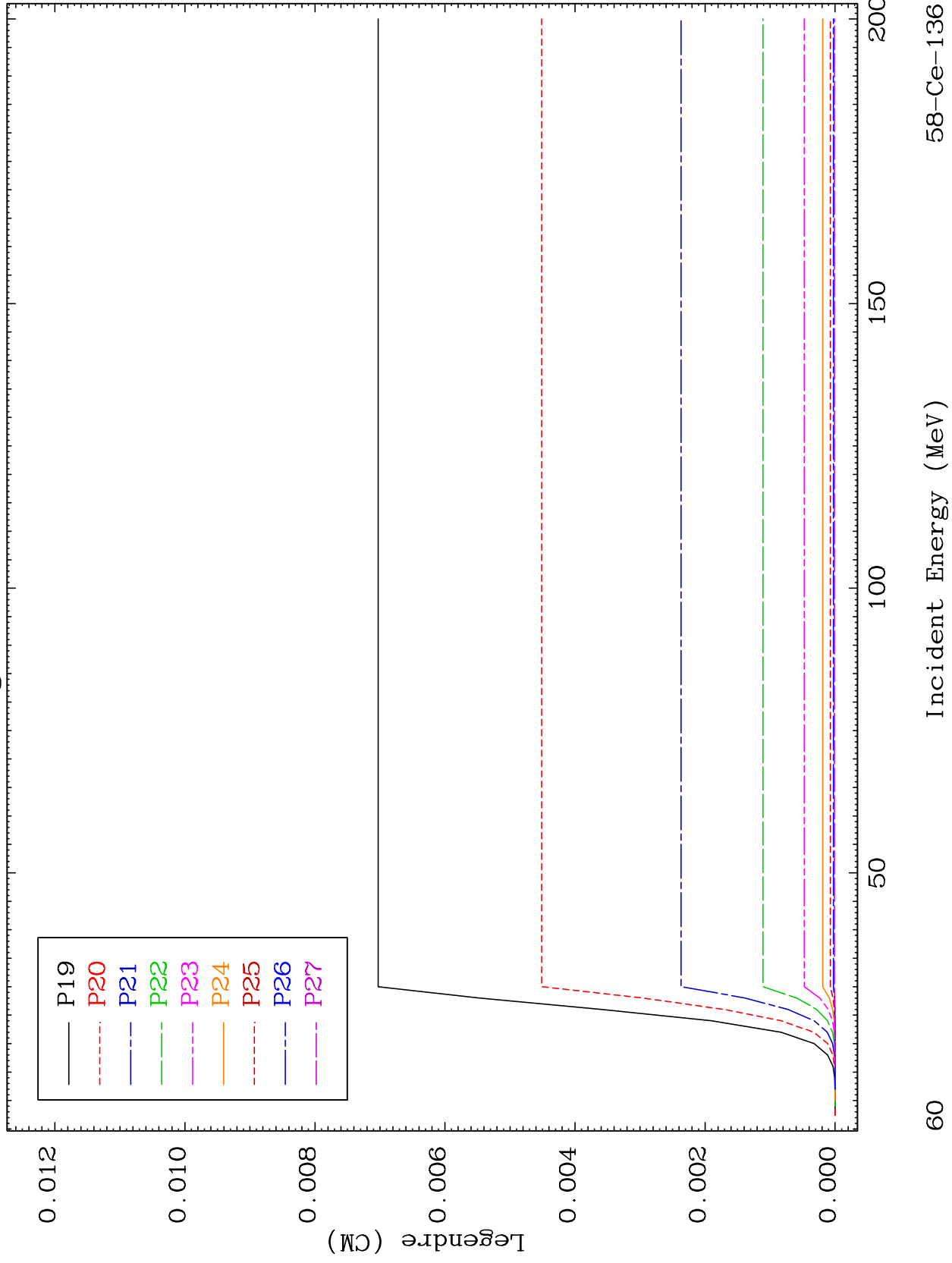
Incident Energy (MeV)

58-Ce-136

MAT 5825

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

58-Ce-136



58-Ce-136

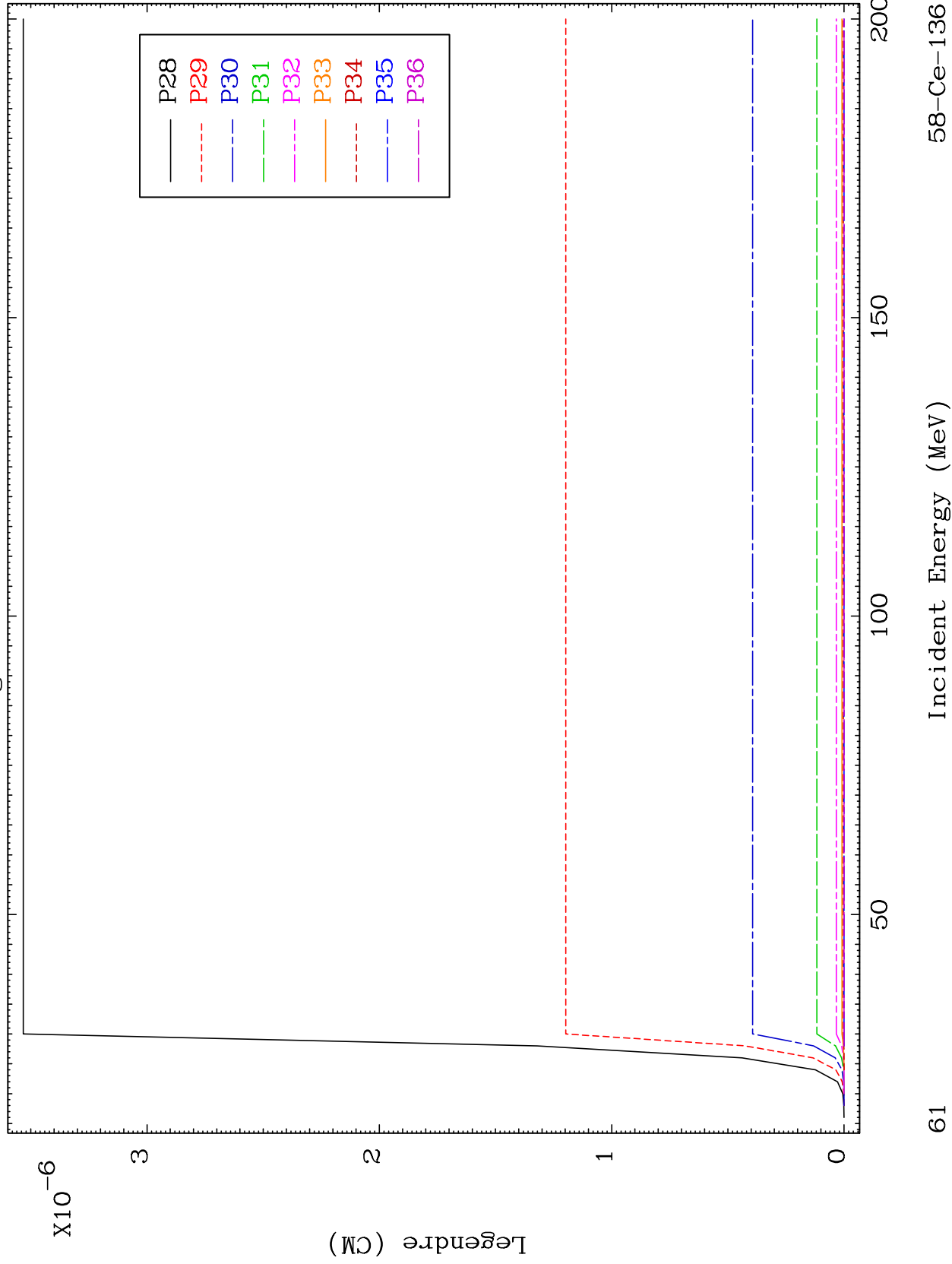
Incident Energy (MeV)

60

MAT 5825

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

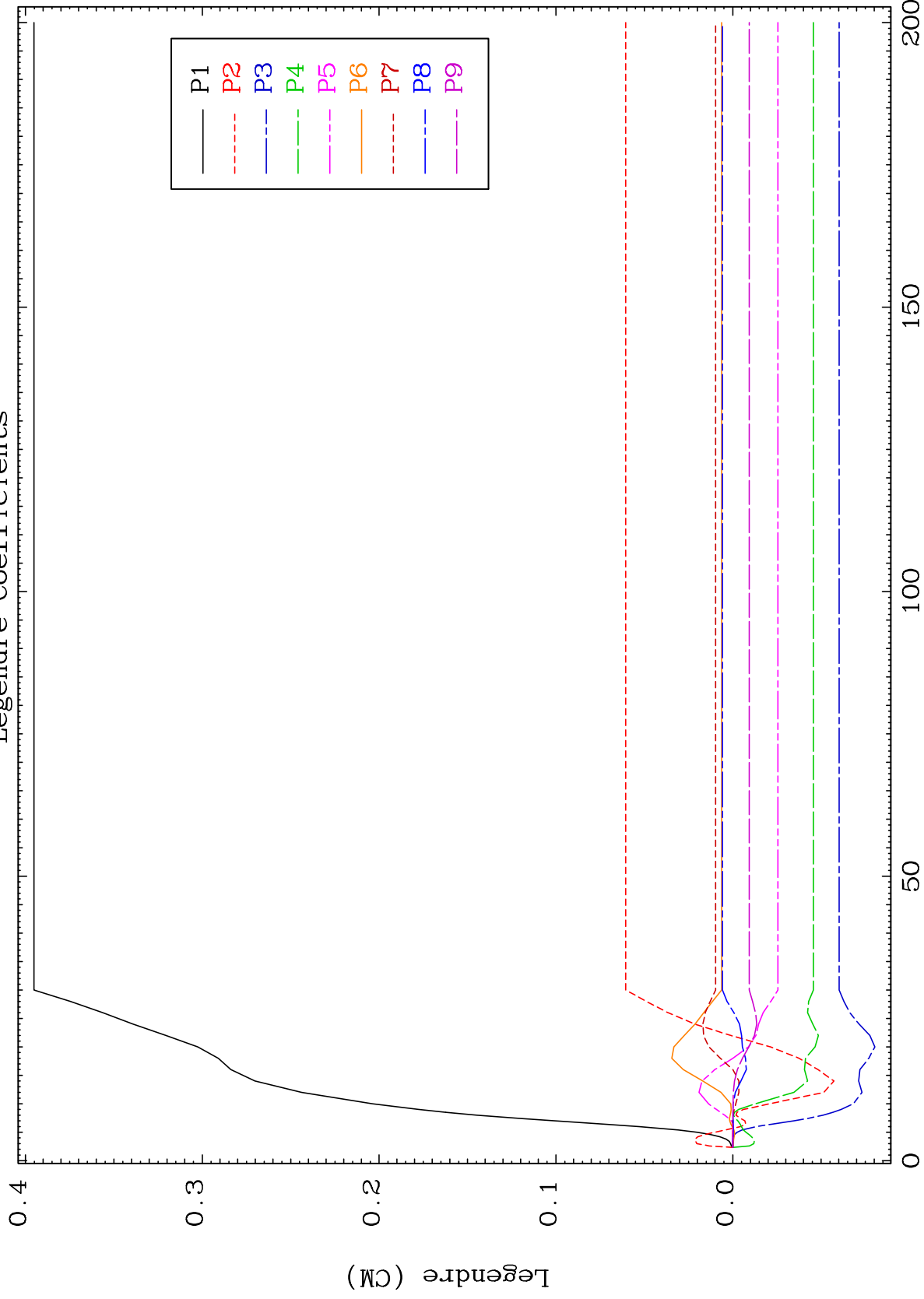
58-Ce-136



MAT 5825

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

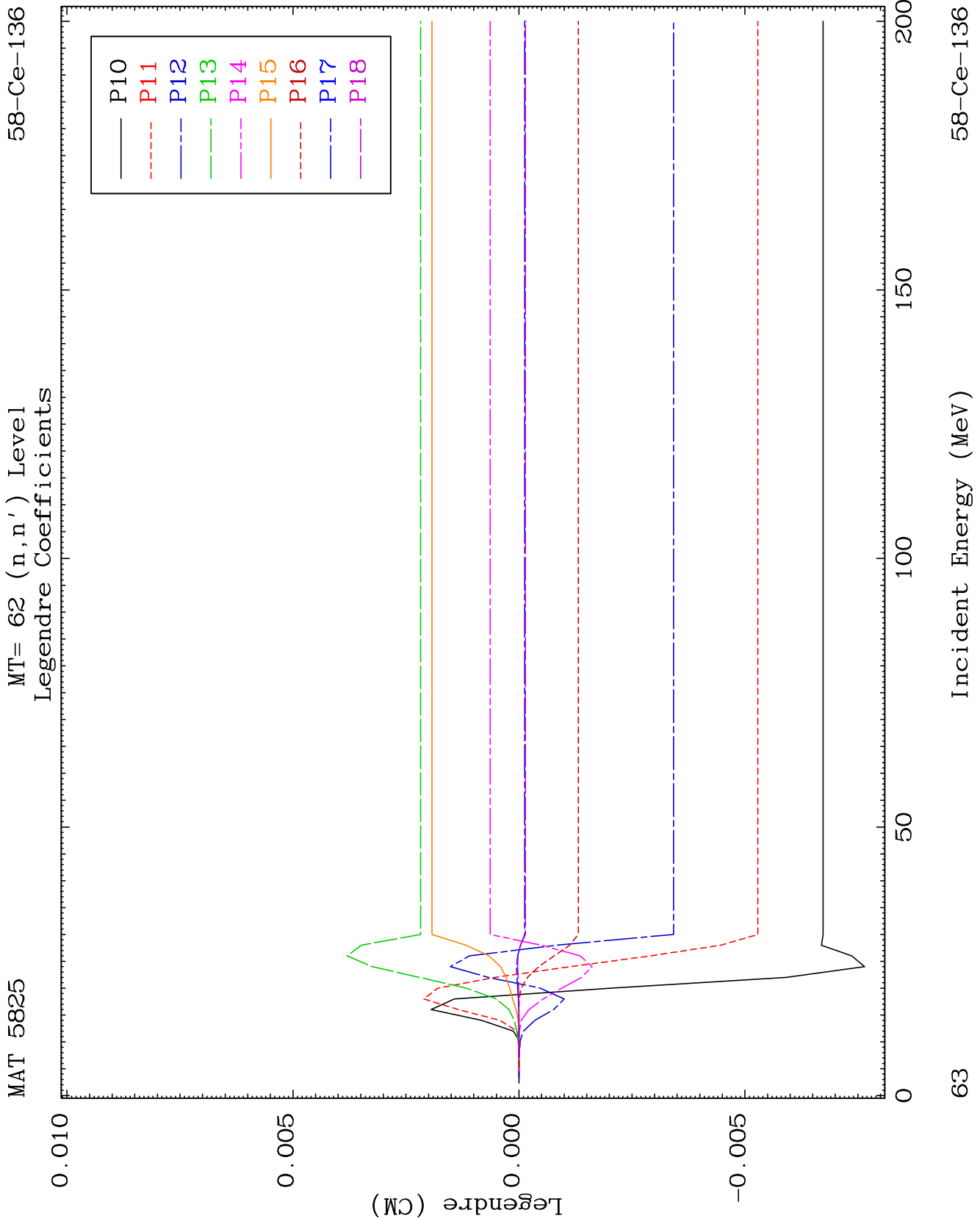
58-Ce-136



58-Ce-136

Incident Energy (MeV)

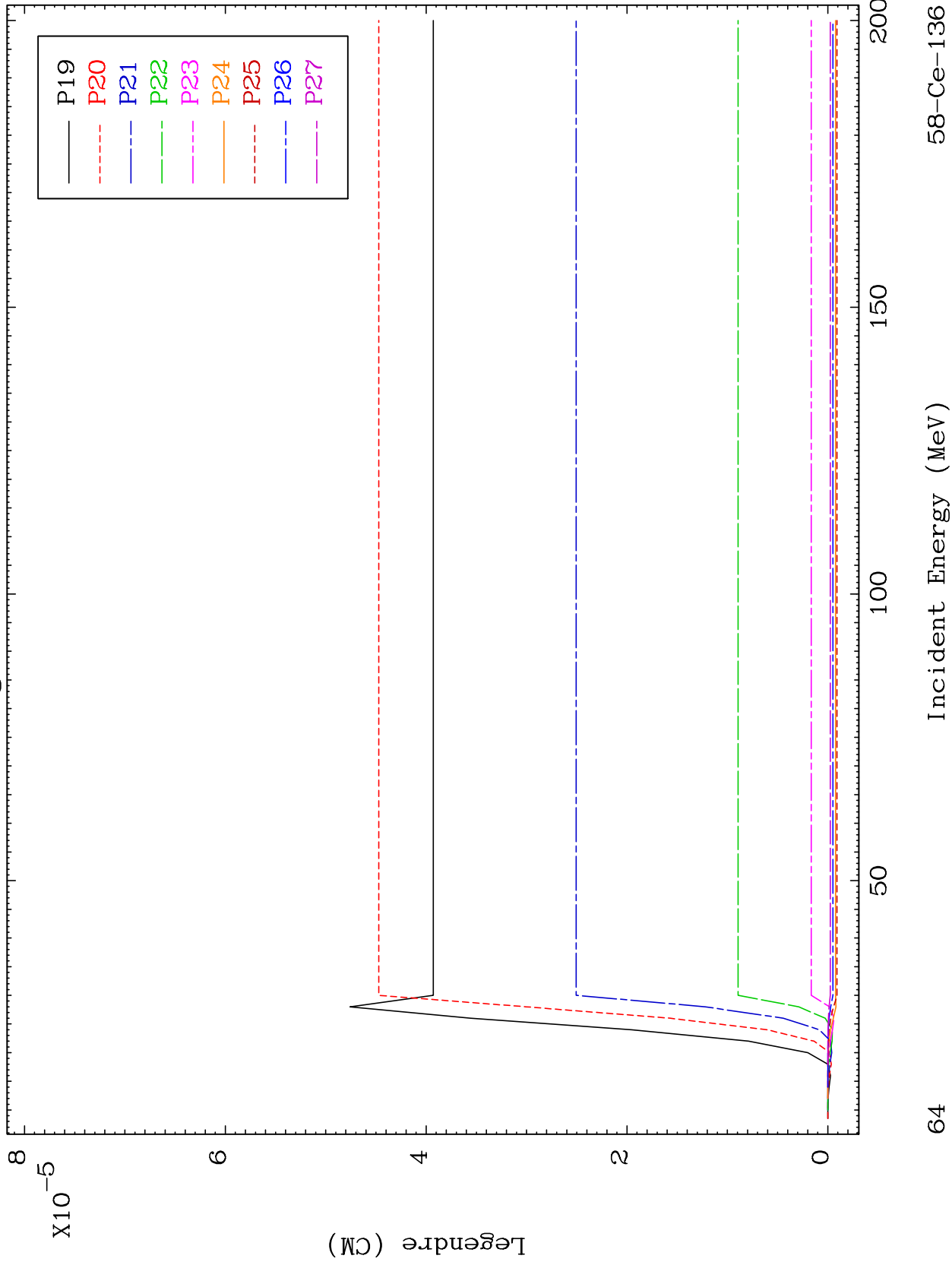
62



MAT 5825

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

58-Ce-136

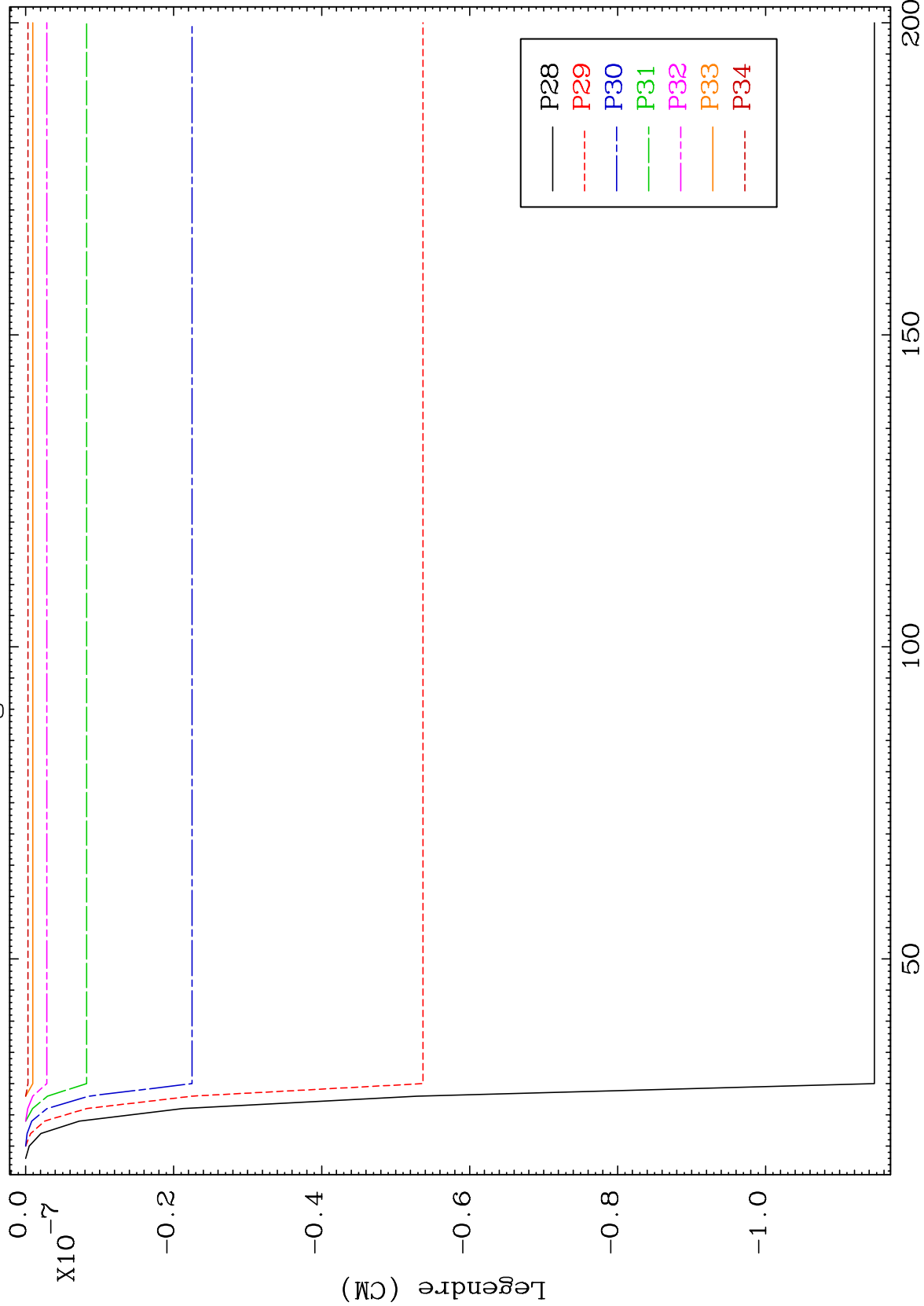


MAT 5825

MT= 62 (n,n') Level

58-Ce-136

Legendre Coefficients



58-Ce-136

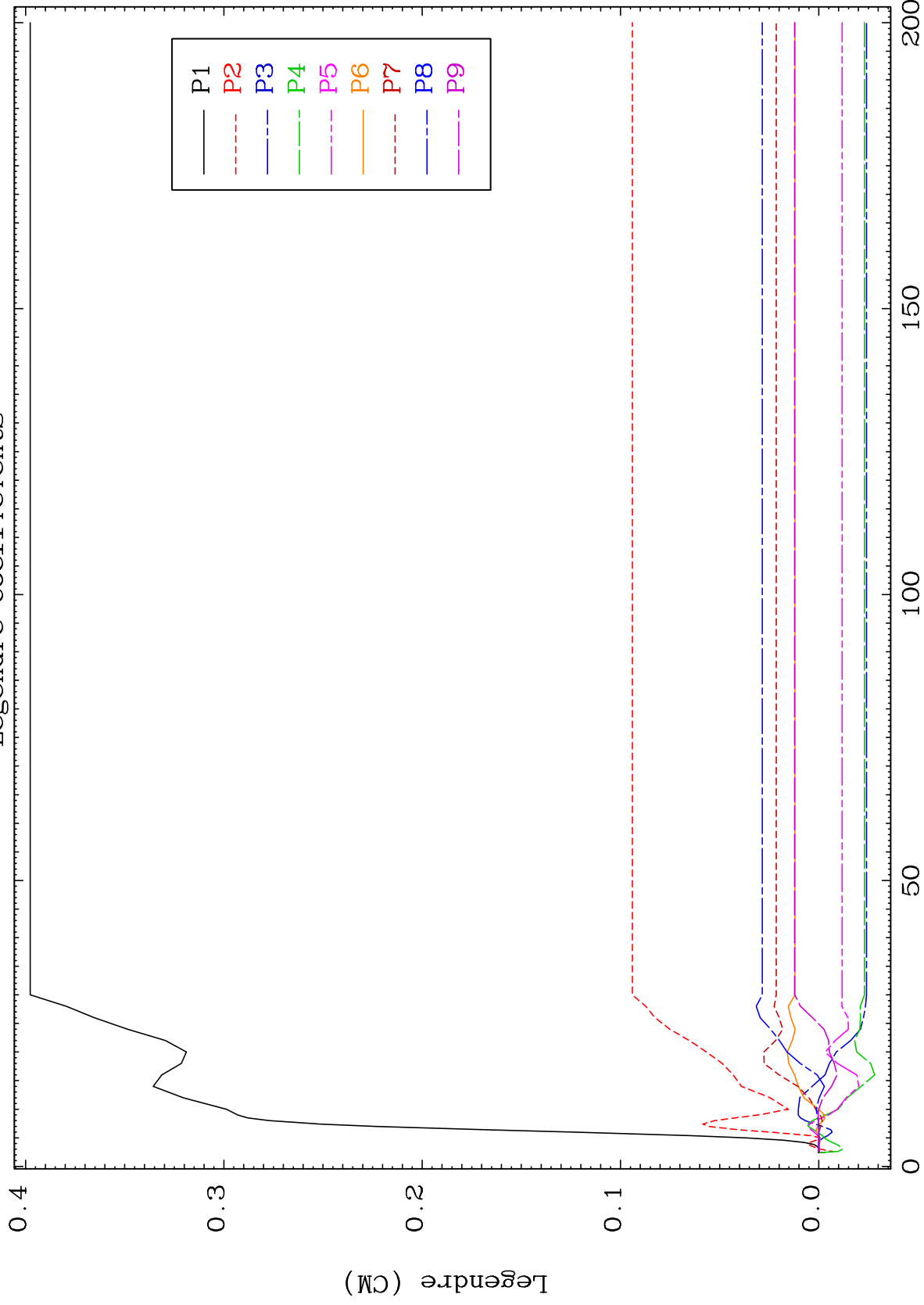
Incident Energy (MeV)

65

MAT 5825

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

58-Ce-136



66

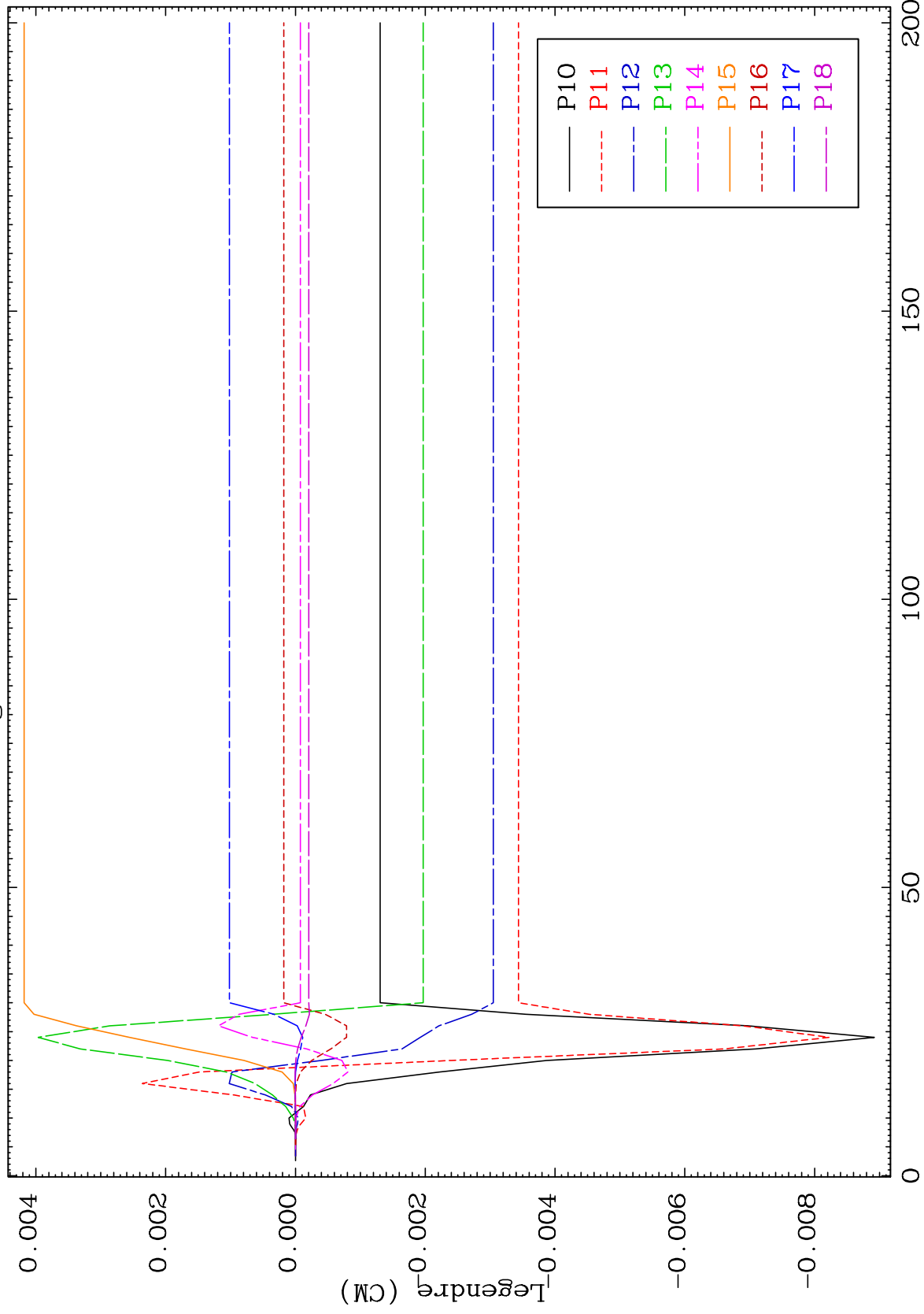
Incident Energy (MeV)

58-Ce-136

MAT 5825

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

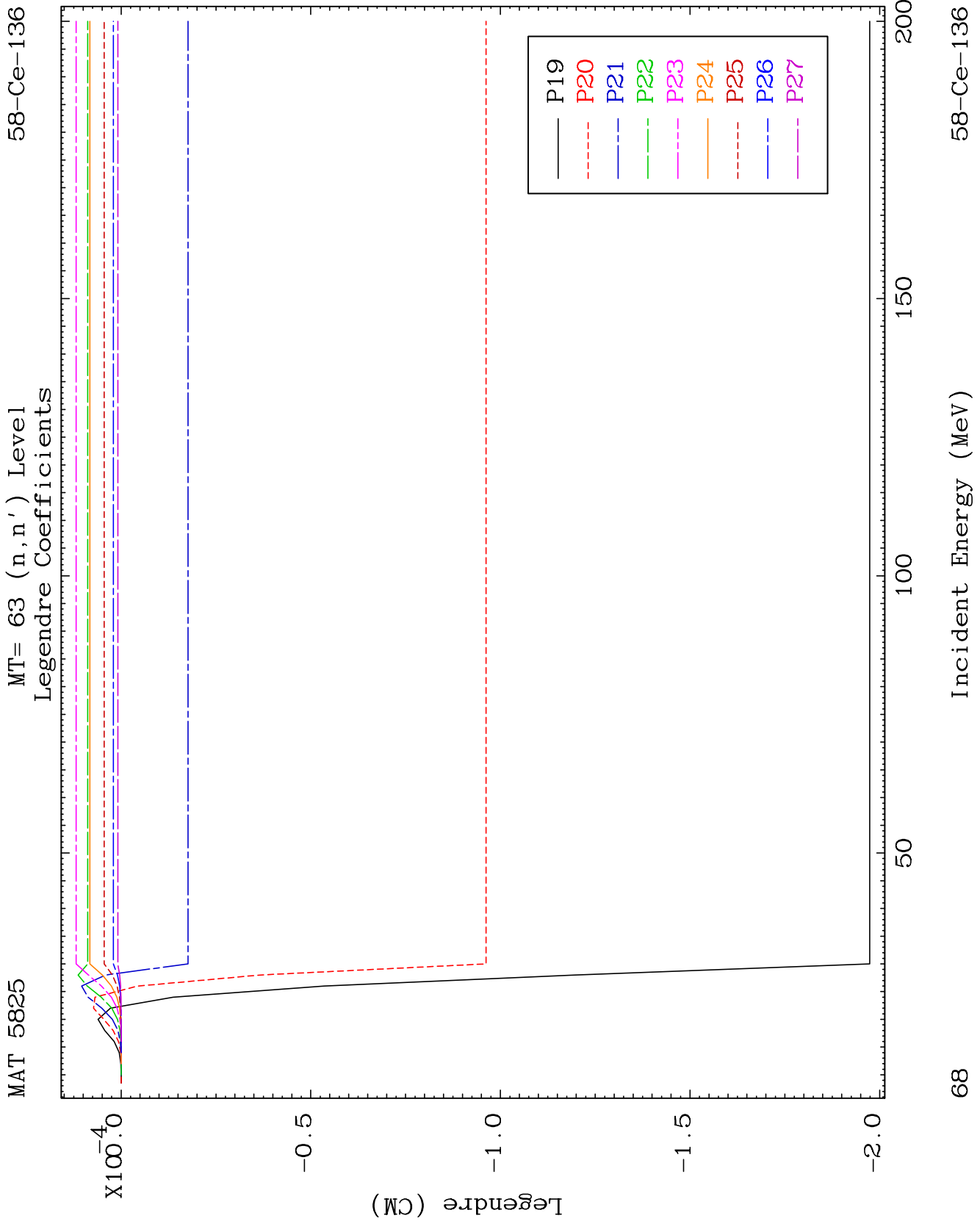
58-Ce-136



67

Incident Energy (MeV)

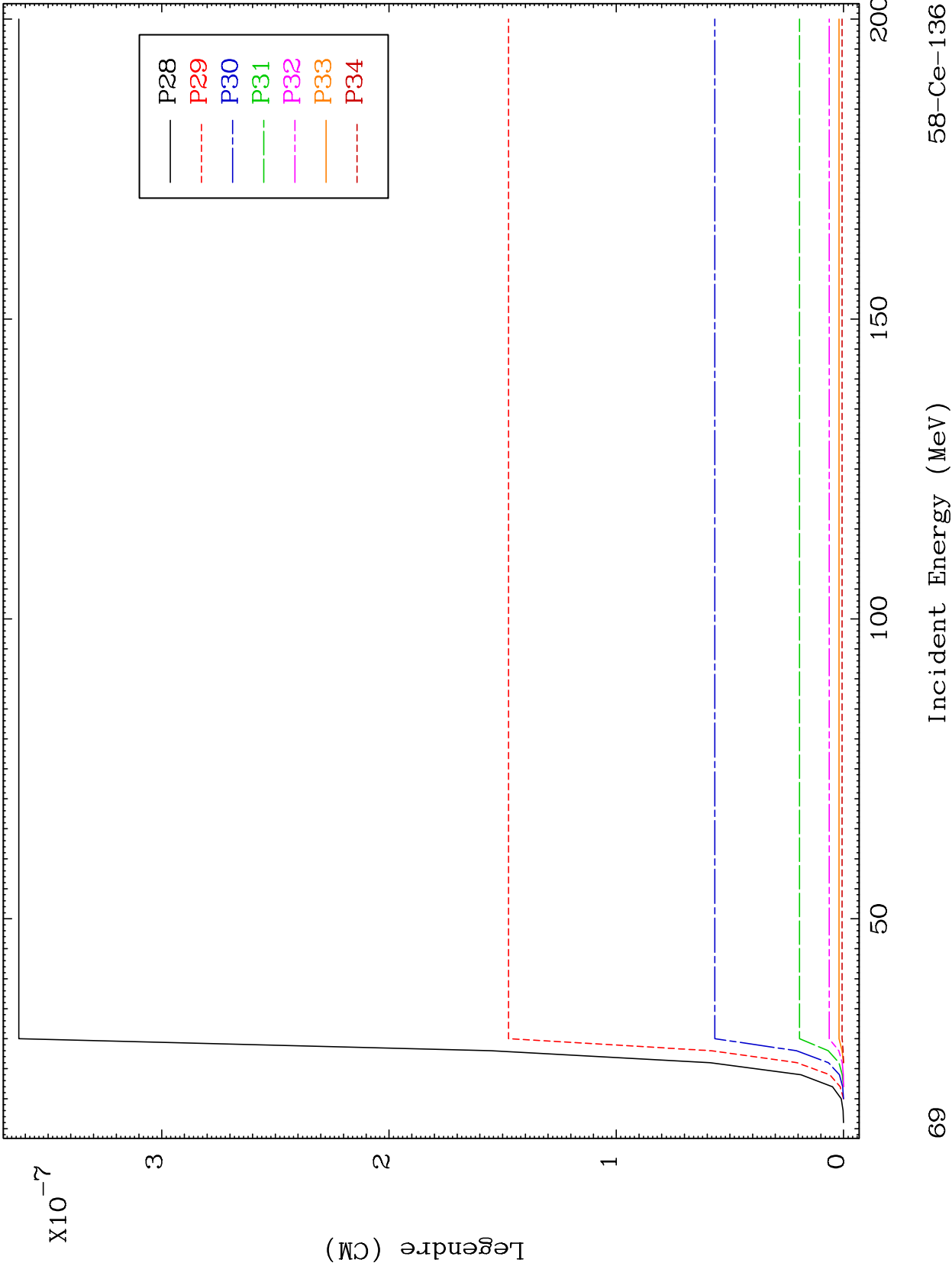
58-Ce-136



MAT 5825

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

58-Ce-136



69

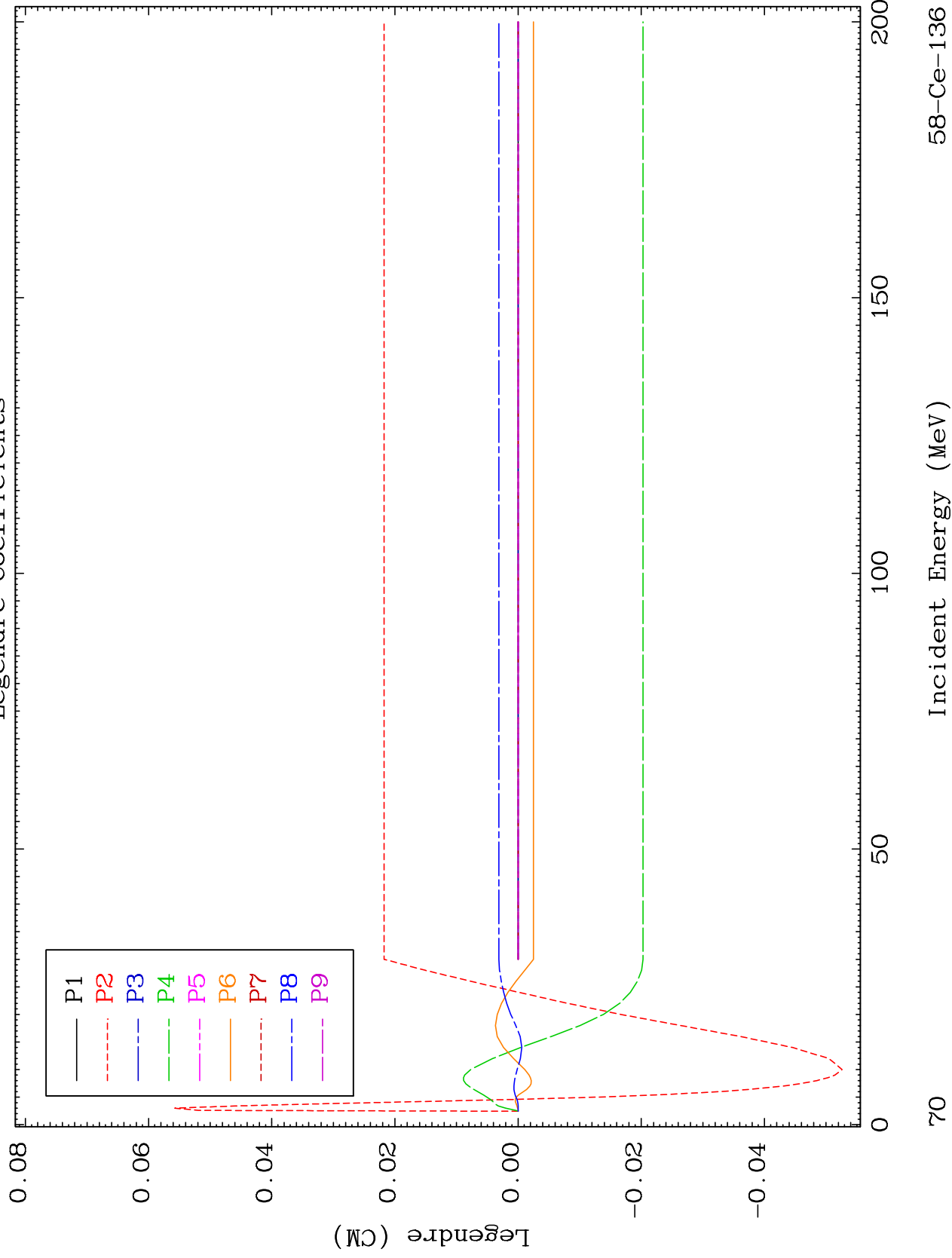
Incident Energy (MeV)

58-Ce-136

MAT 5825

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

58-Ce-136



58-Ce-136

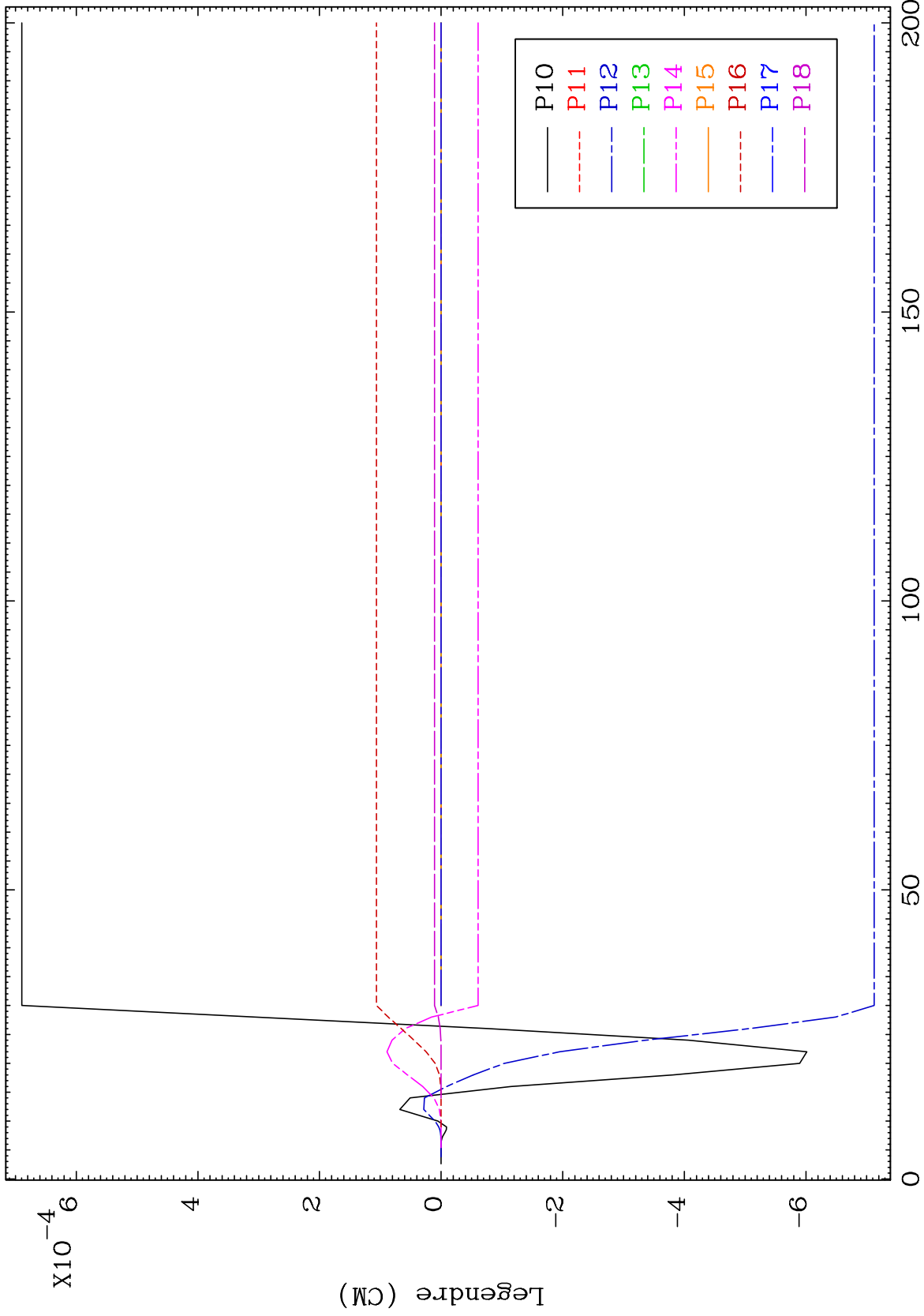
Incident Energy (MeV)

70

MAT 5825

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

58-Ce-136



71

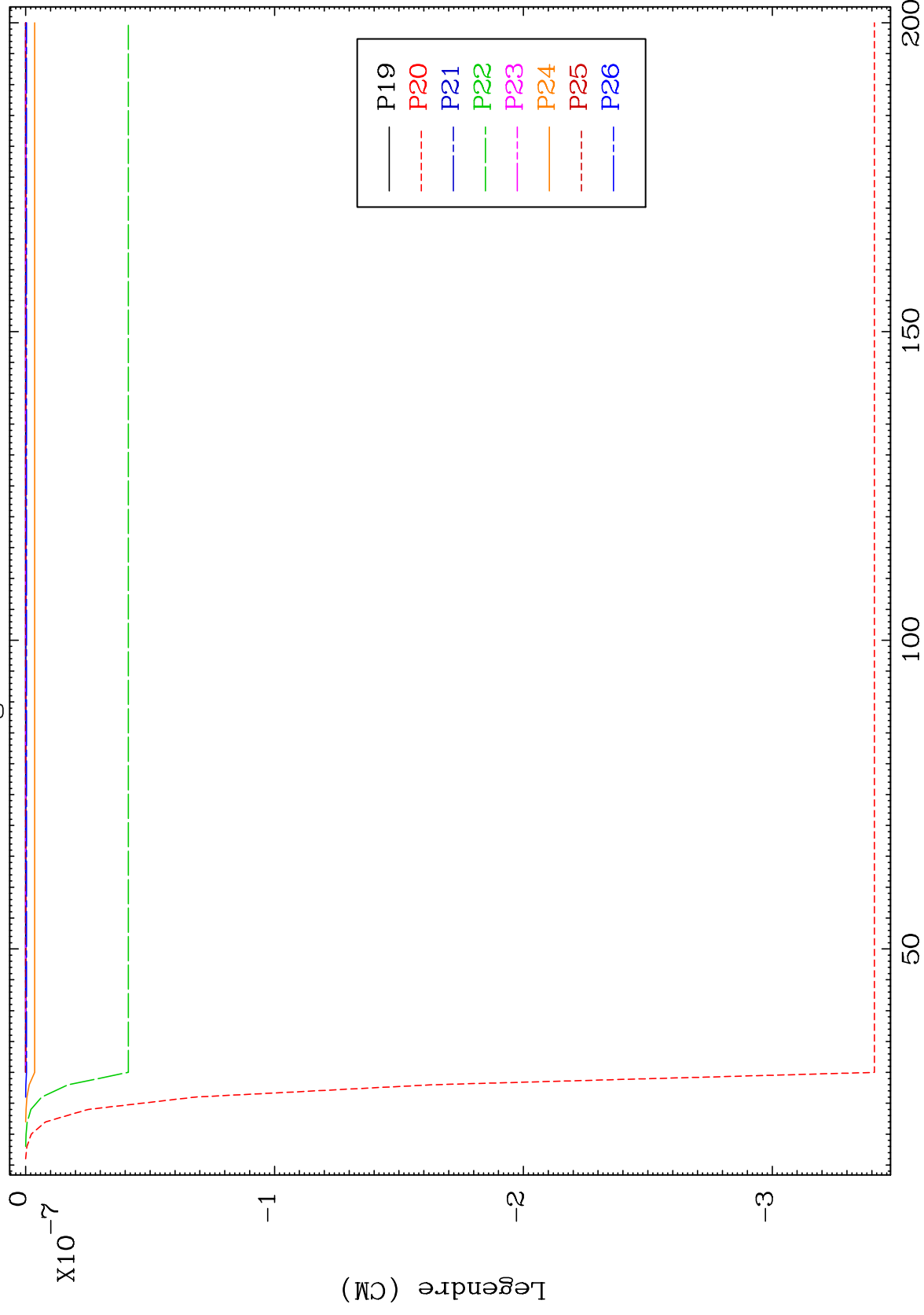
Incident Energy (MeV)

58-Ce-136

MAT 5825

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

58-Ce-136



58-Ce-136

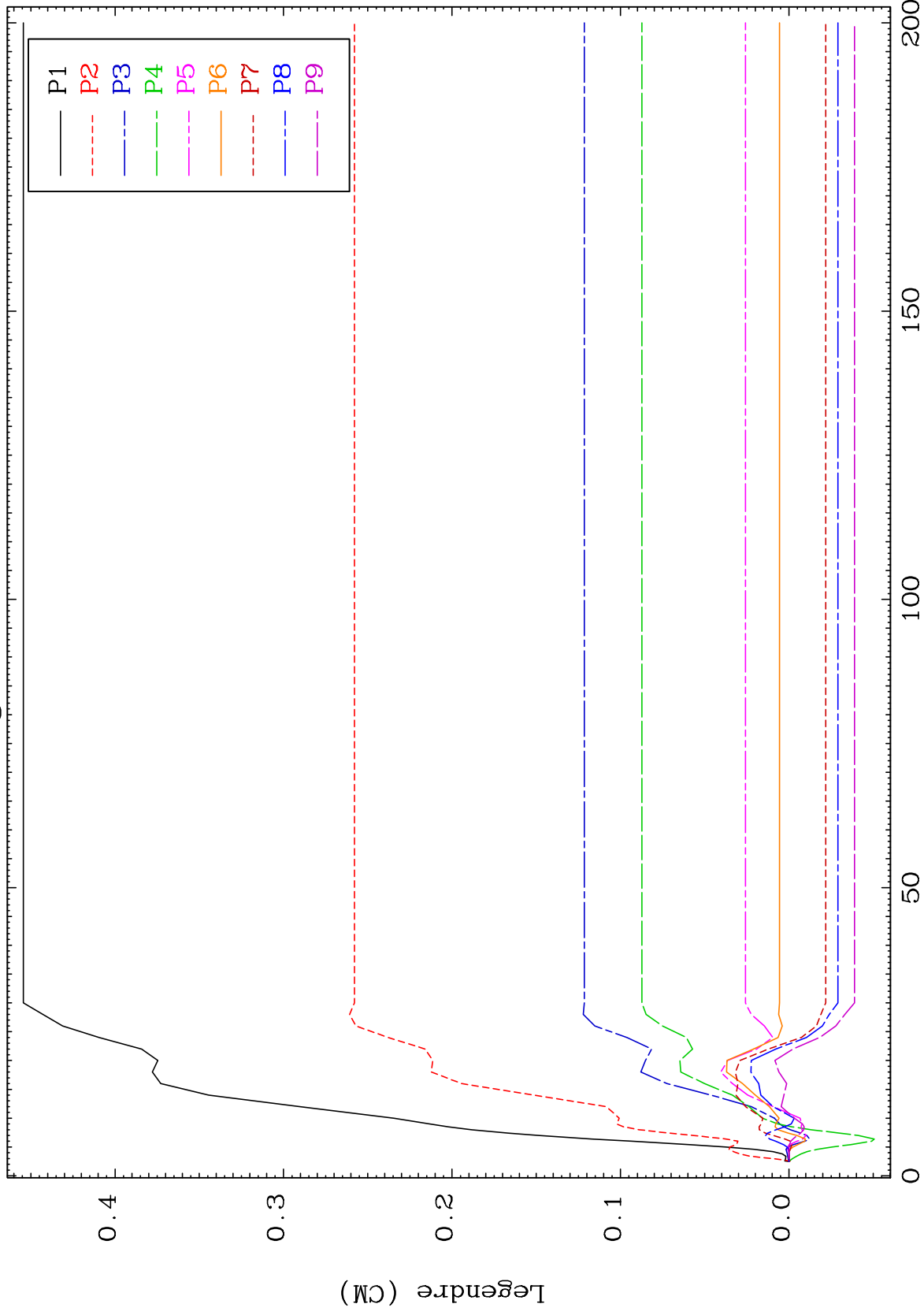
Incident Energy (MeV)

72

MAT 5825

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

58-Ce-136



73

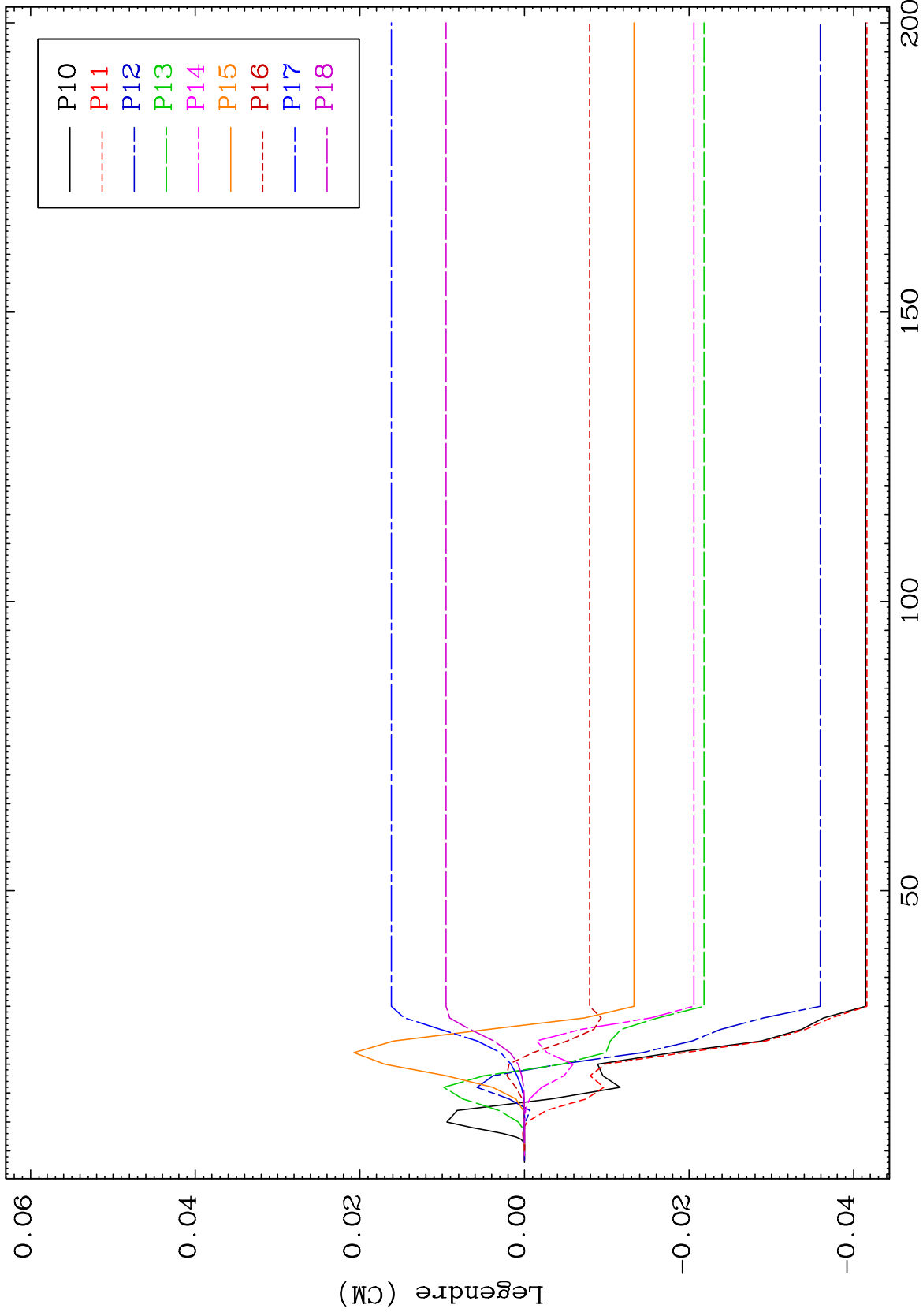
Incident Energy (MeV)

58-Ce-136

MAT 5825

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

58-Ce-136



74

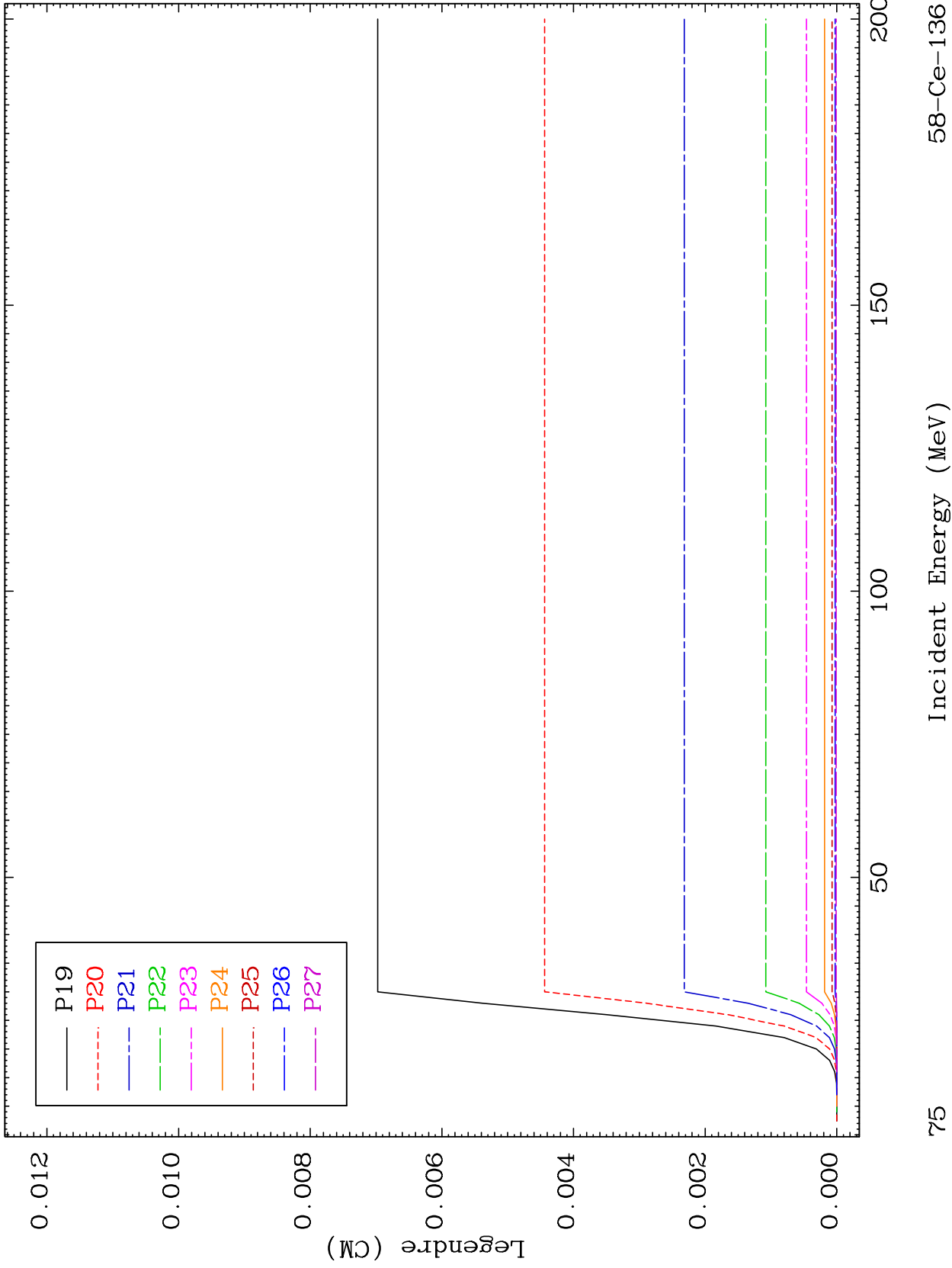
Incident Energy (MeV)

58-Ce-136

MAT 5825

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

58-Ce-136



75

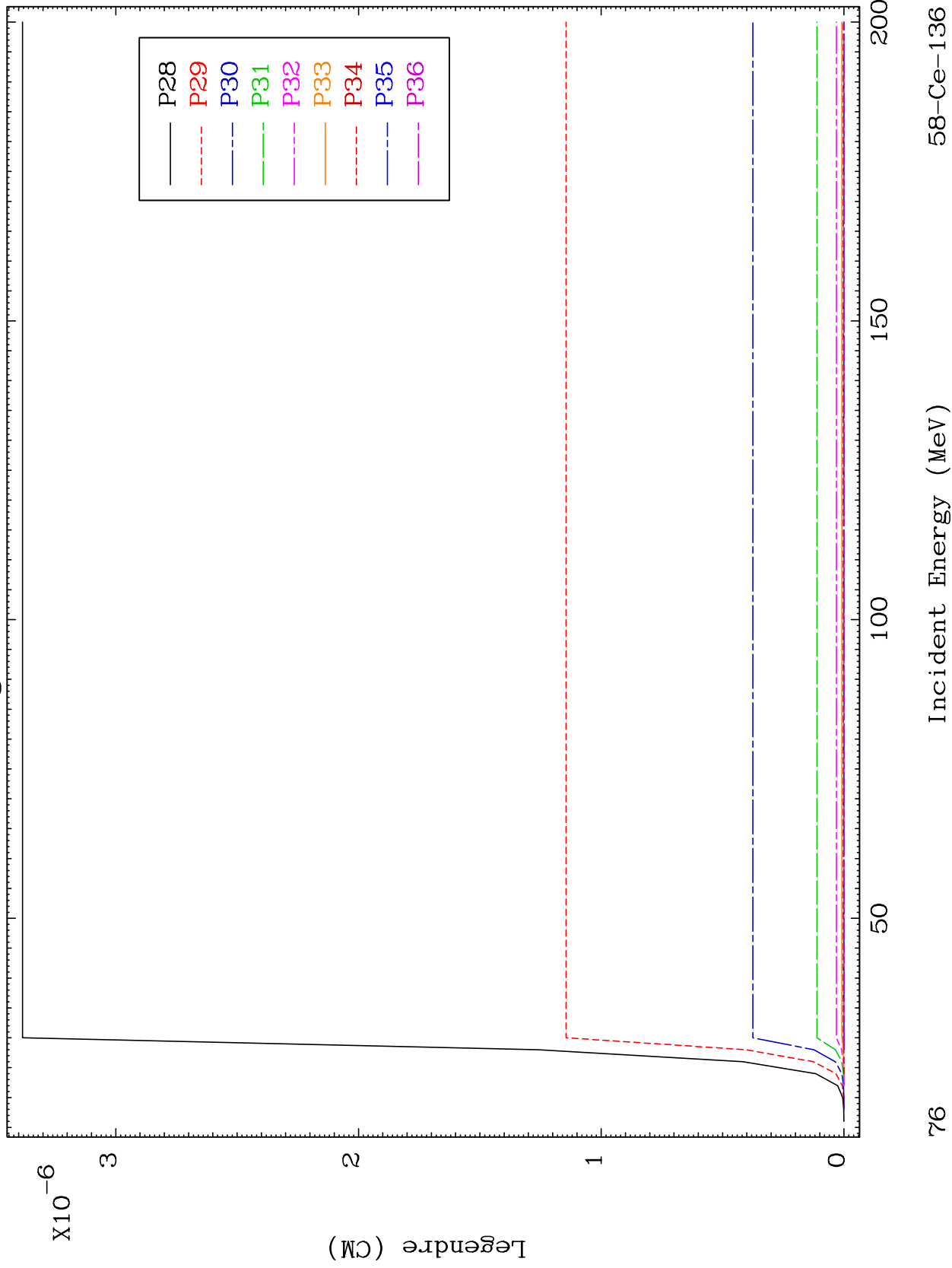
Incident Energy (MeV)

58-Ce-136

MAT 5825

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

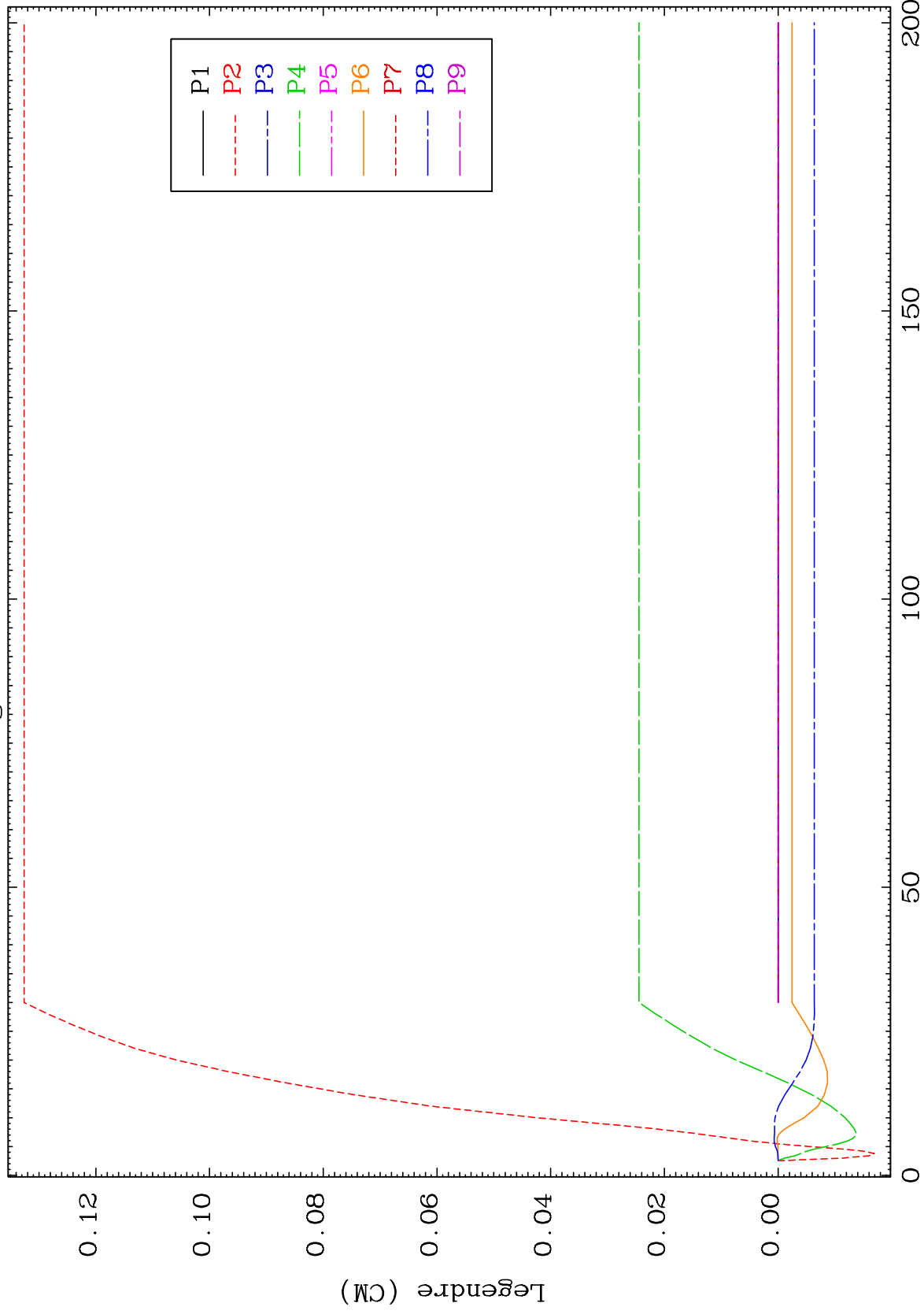
58-Ce-136



MAT 5825

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

58-Ce-136



77

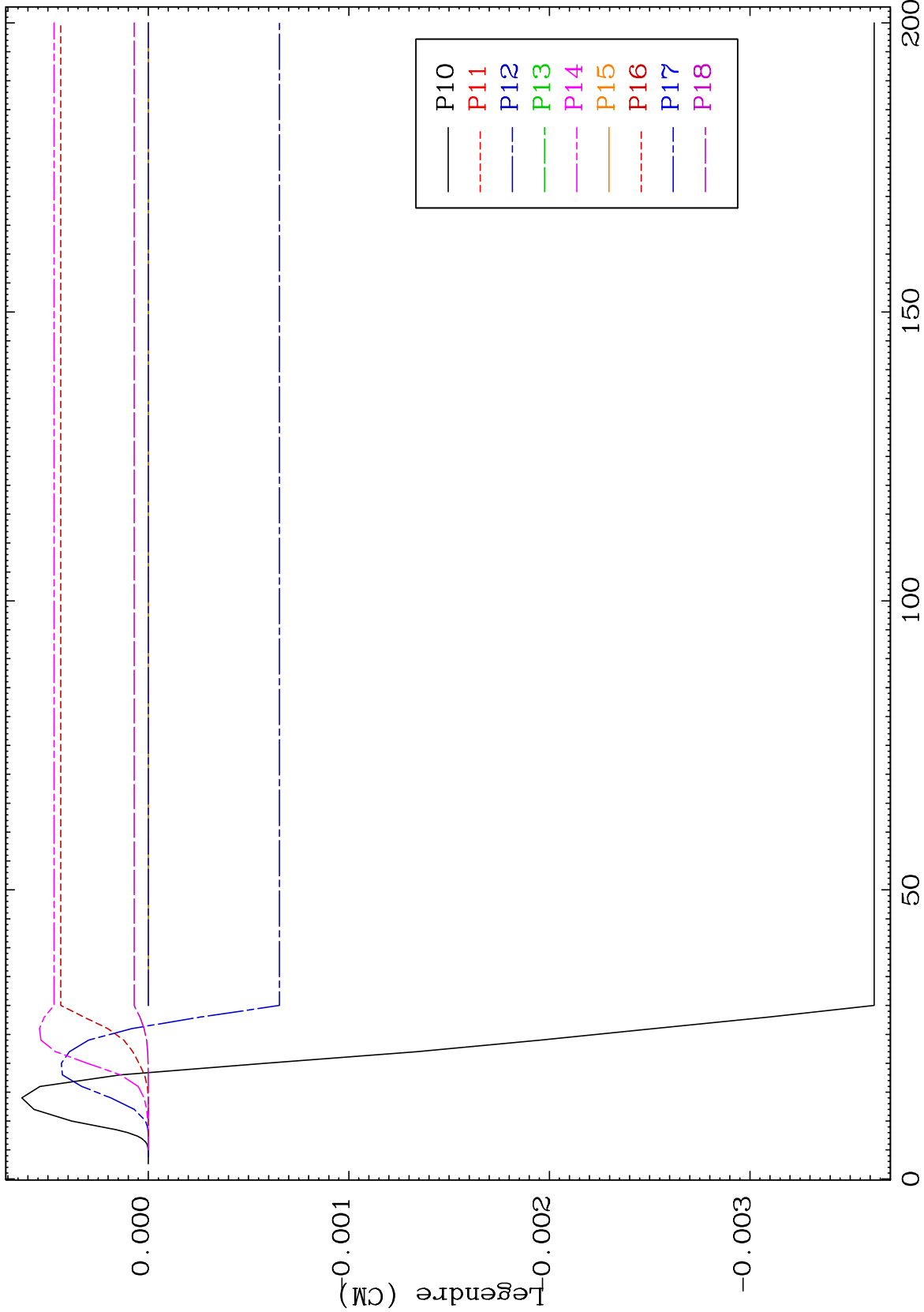
Incident Energy (MeV)

58-Ce-136

MAT 5825

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

58-Ce-136



78

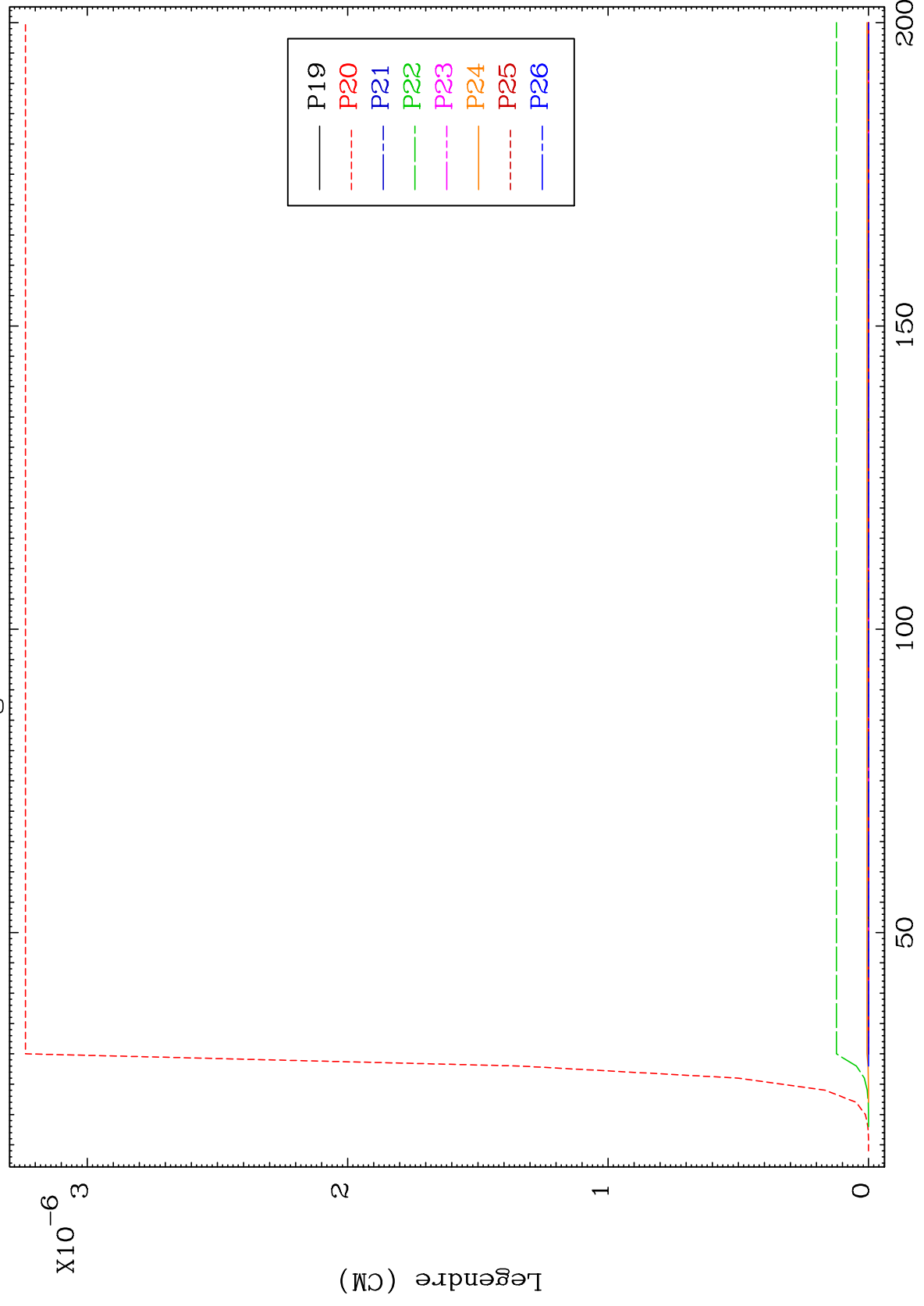
Incident Energy (MeV)

58-Ce-136

MAT 5825

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

58-Ce-136



58-Ce-136

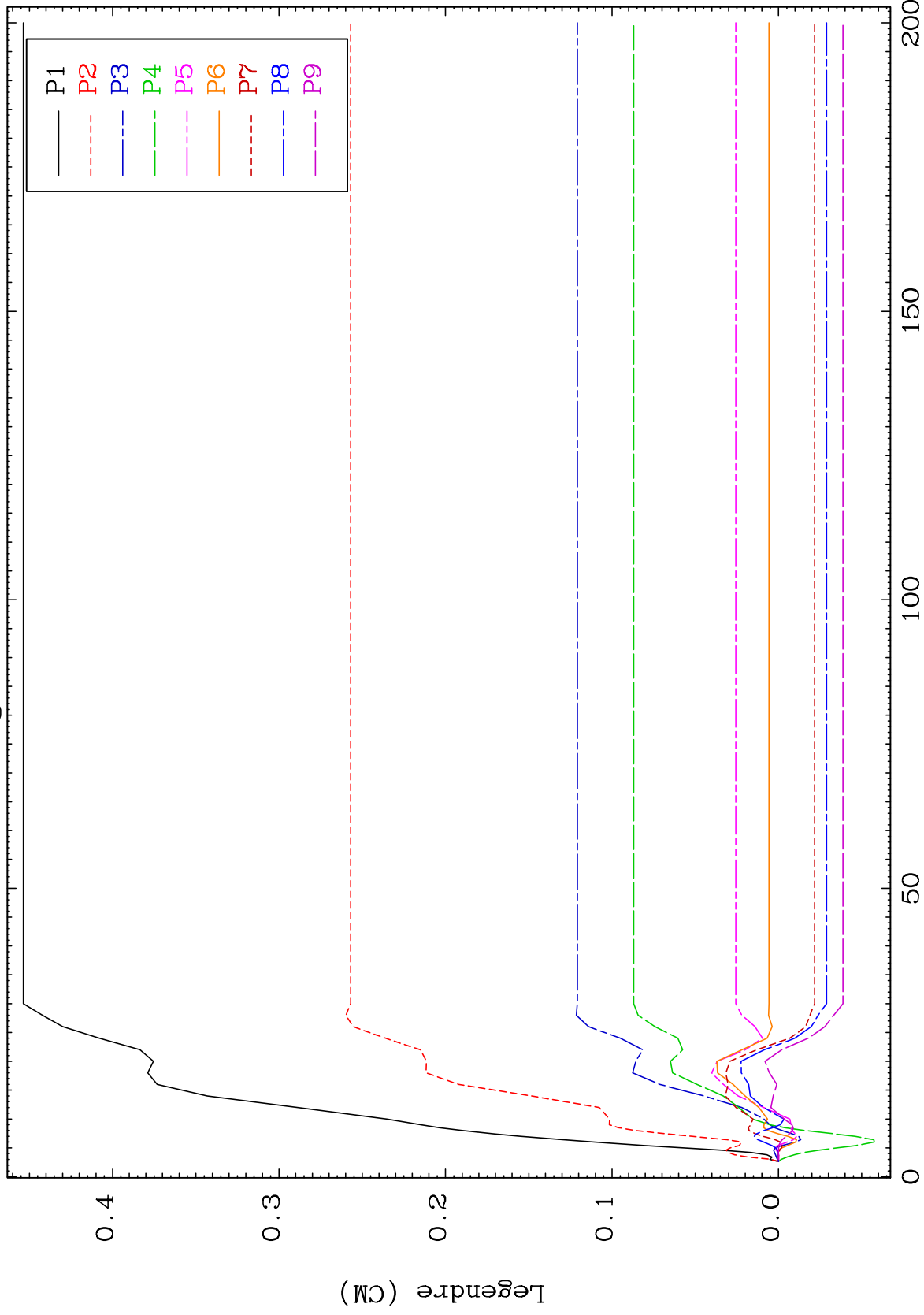
Incident Energy (MeV)

79

MAT 5825

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

58-Ce-136



58-Ce-136

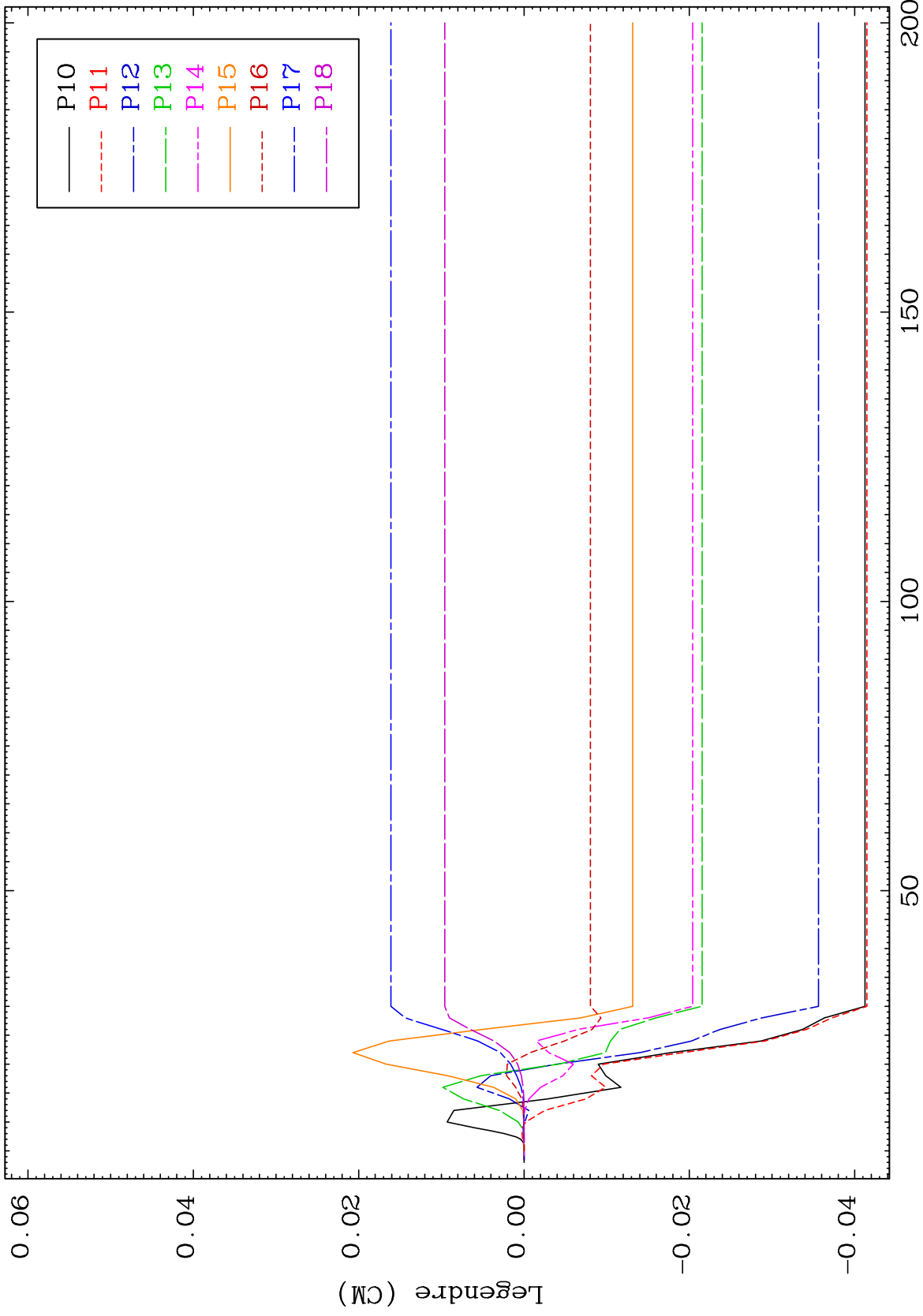
Incident Energy (MeV)

80

MAT 5825

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

58-Ce-136



81

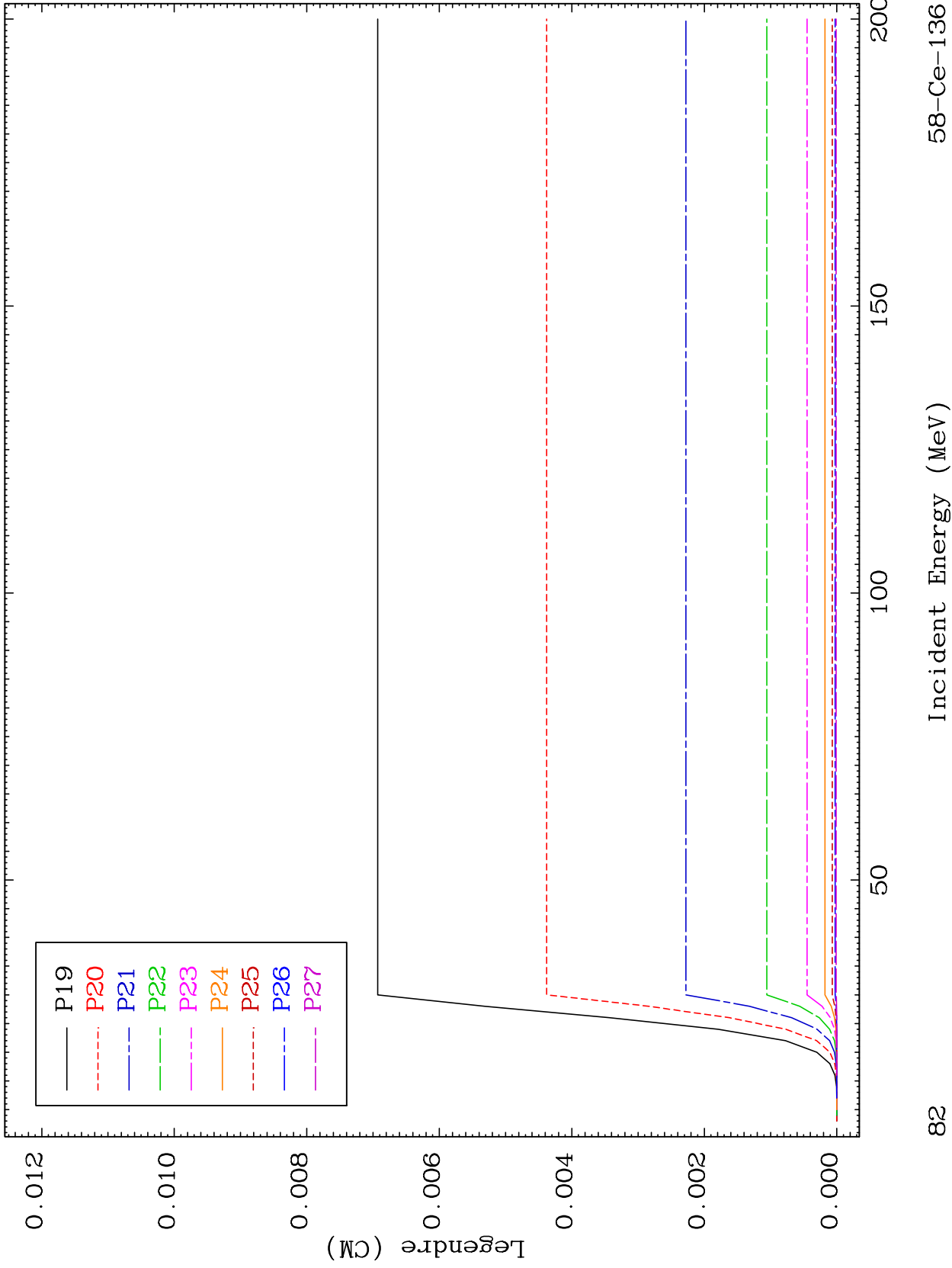
Incident Energy (MeV)

58-Ce-136

MAT 5825

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

58-Ce-136



82

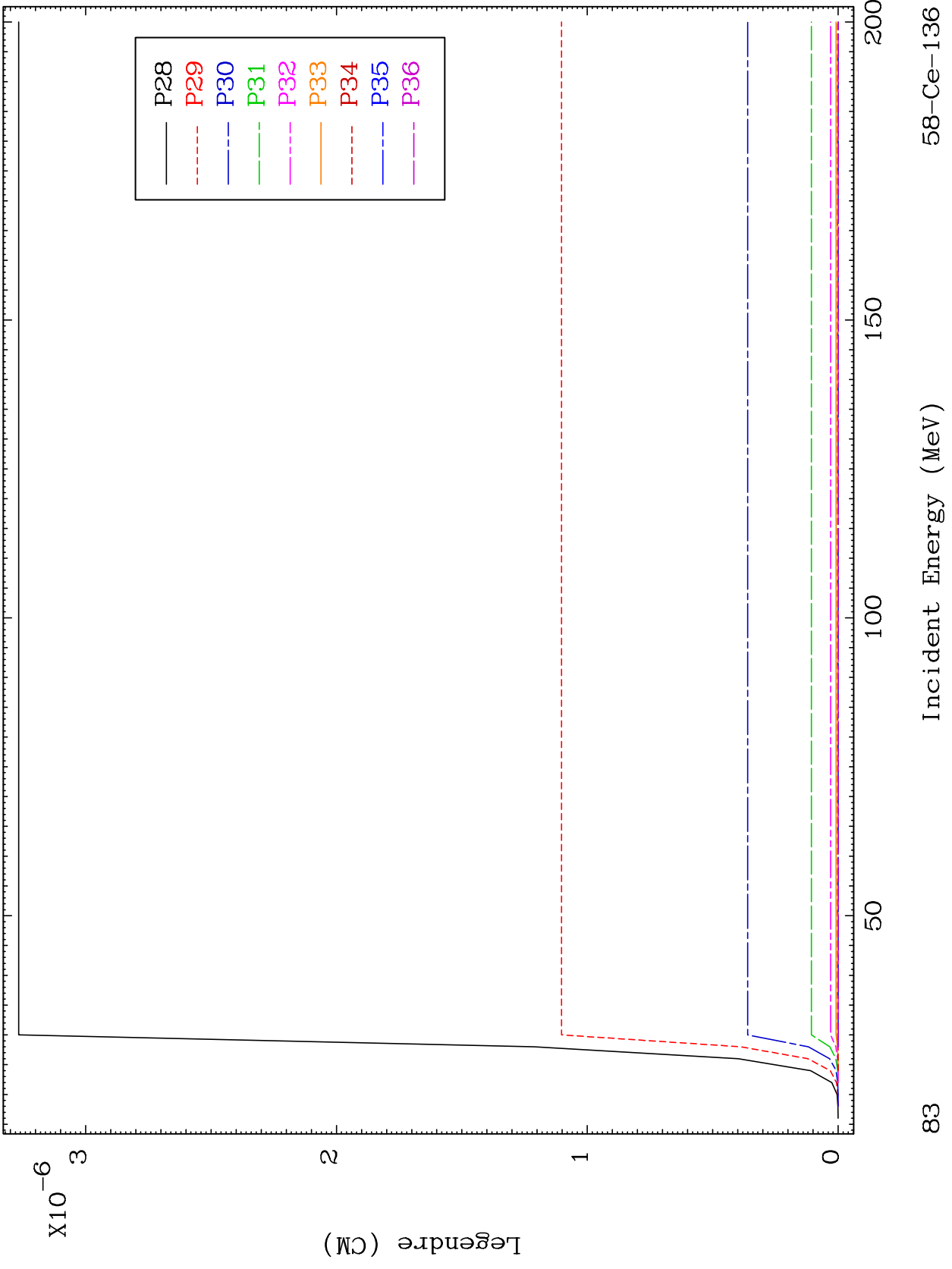
Incident Energy (MeV)

58-Ce-136

MAT 5825

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

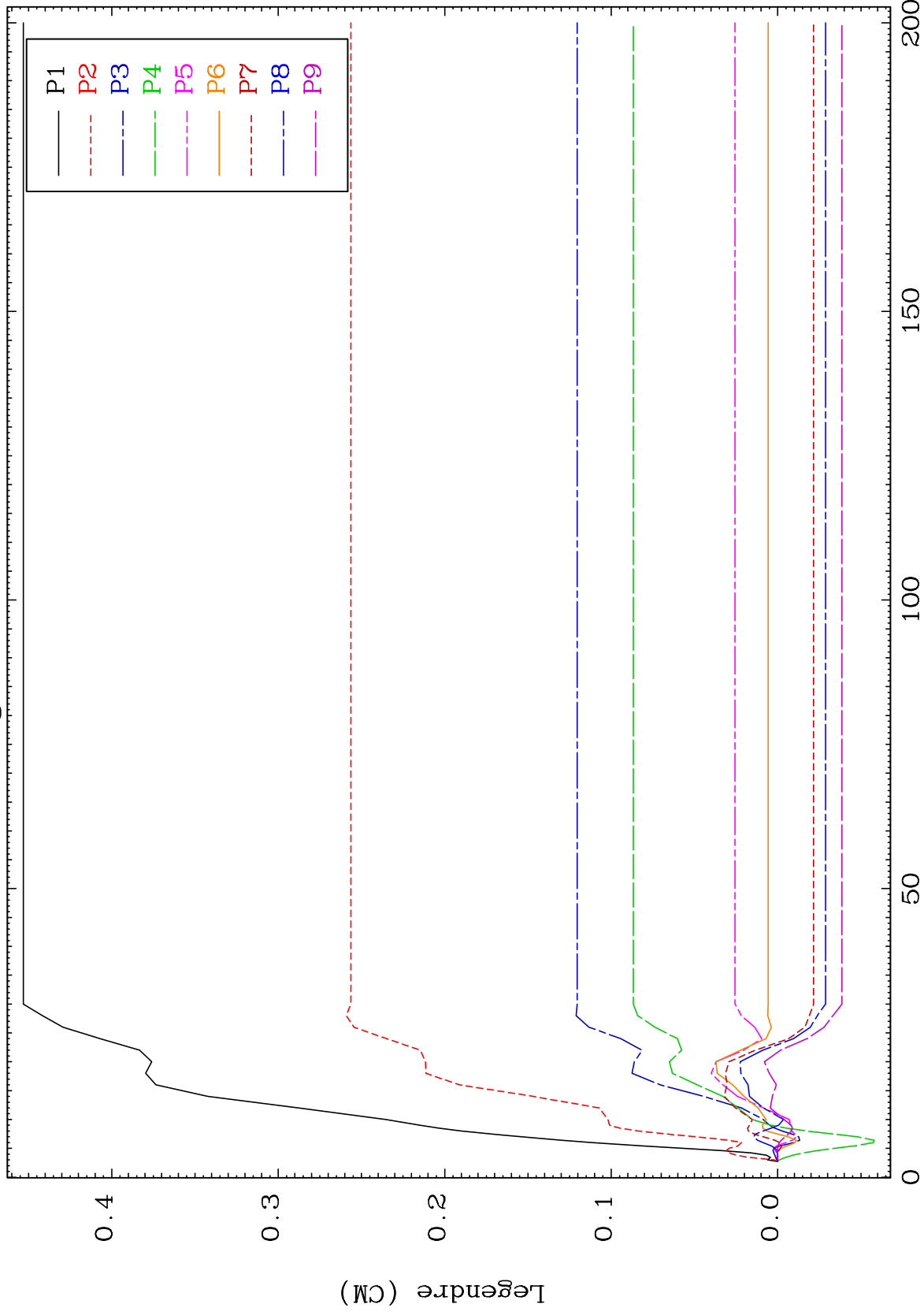
58-Ce-136



MAT 5825

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

58-Ce-136



84

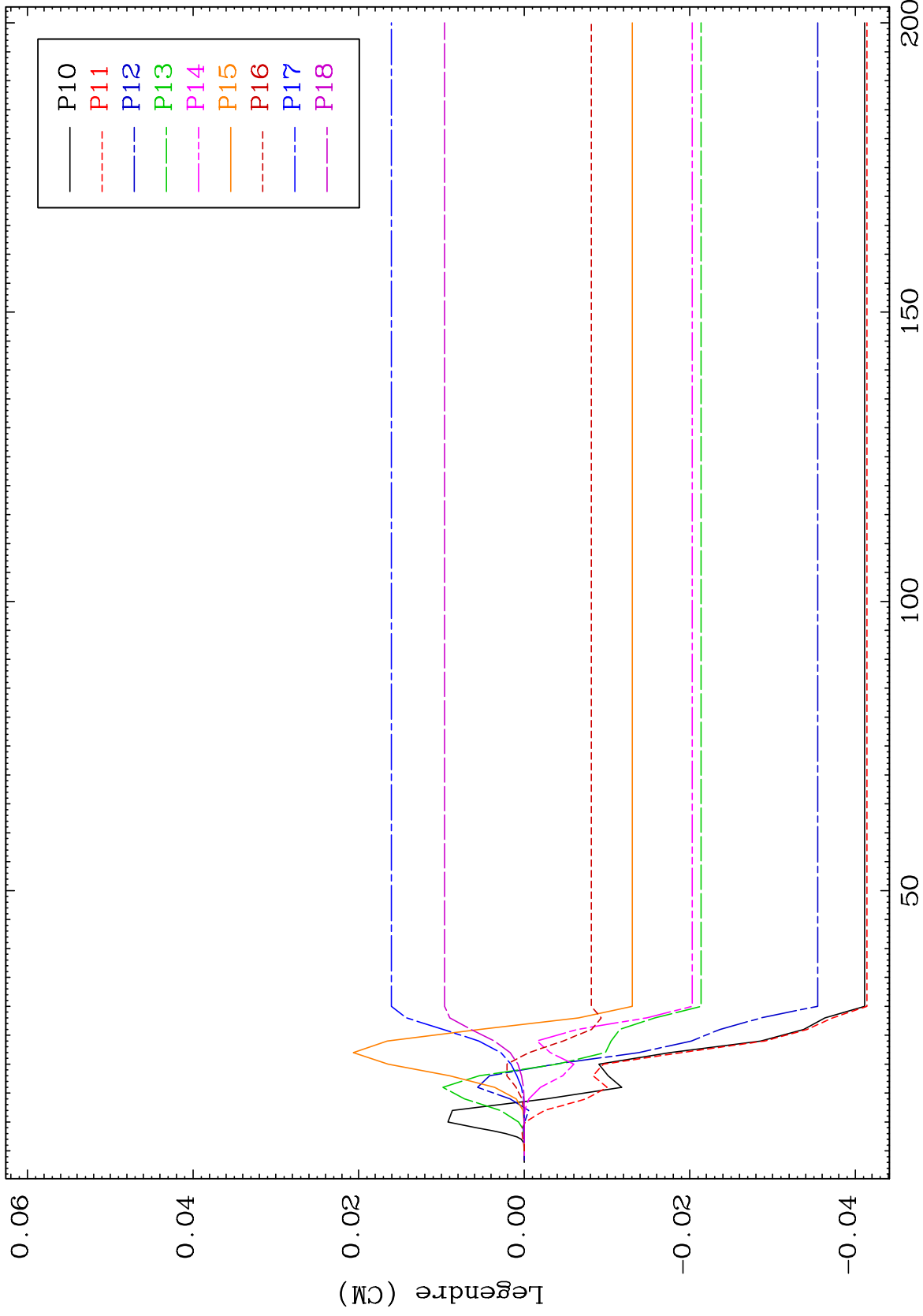
Incident Energy (MeV)

58-Ce-136

MAT 5825

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

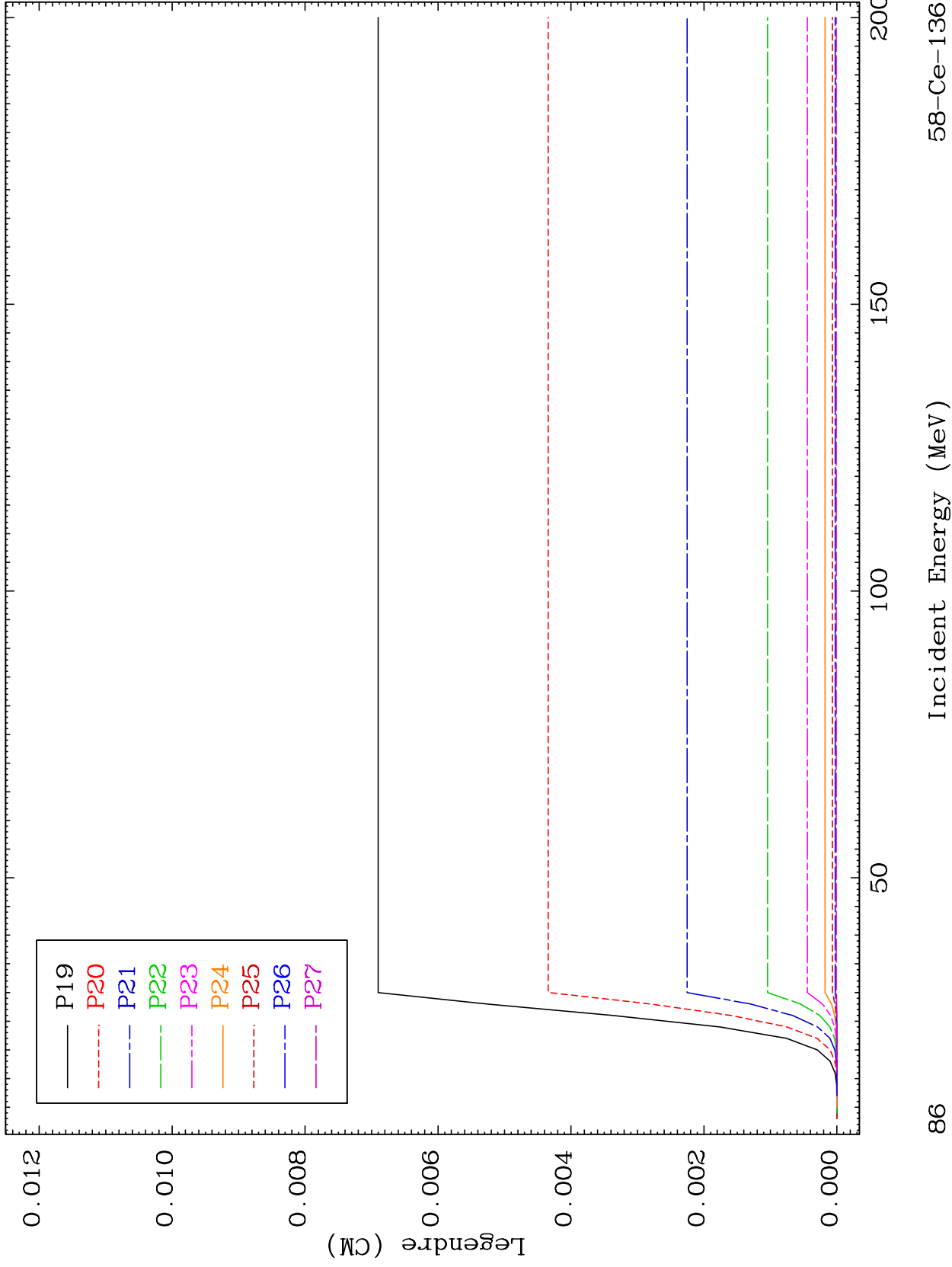
58-Ce-136



85

Incident Energy (MeV)

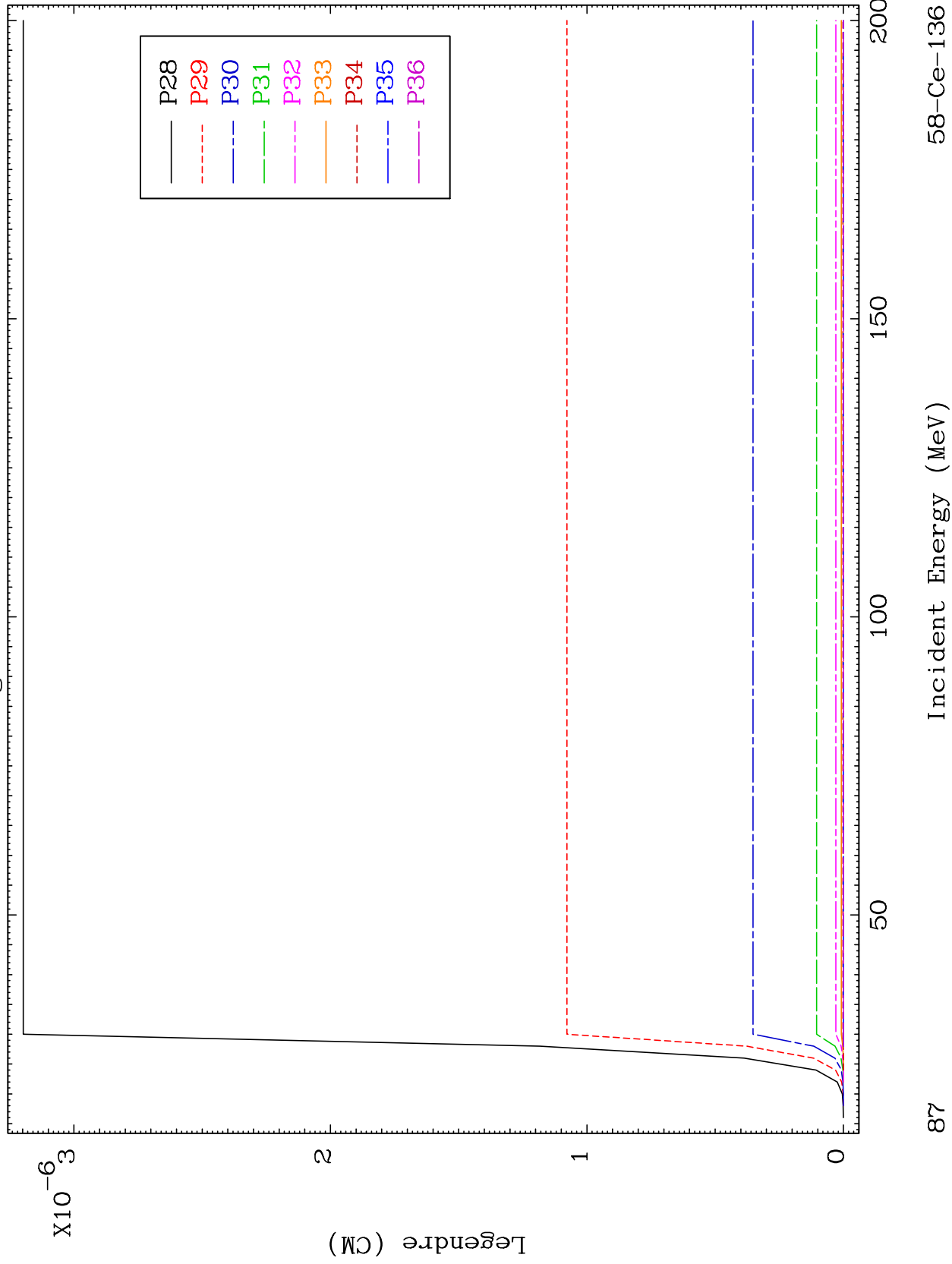
58-Ce-136



MAT 5825

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

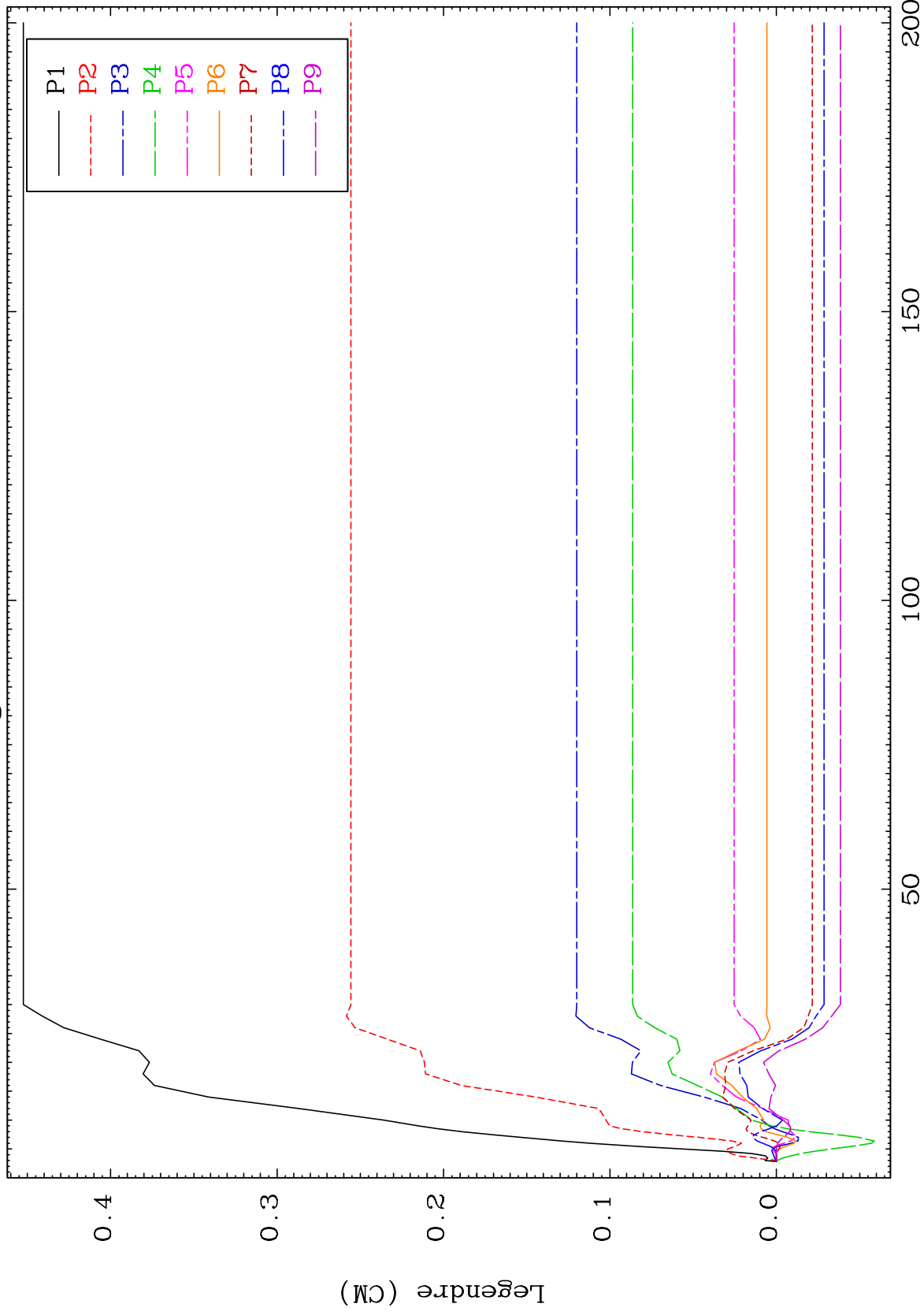
58-Ce-136



MAT 5825

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

58-Ce-136



88

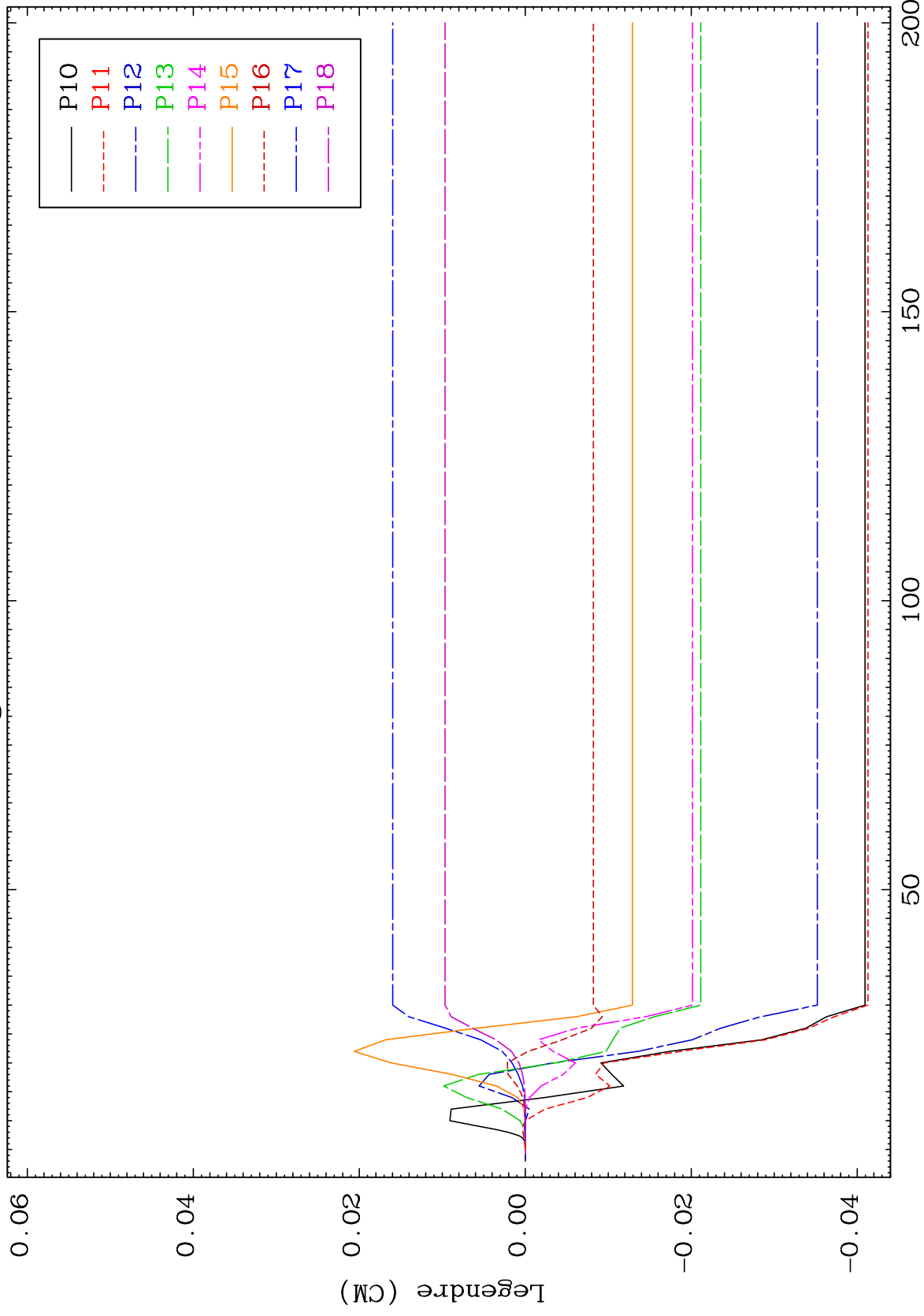
Incident Energy (MeV)

58-Ce-136

MAT 5825

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

58-Ce-136



89

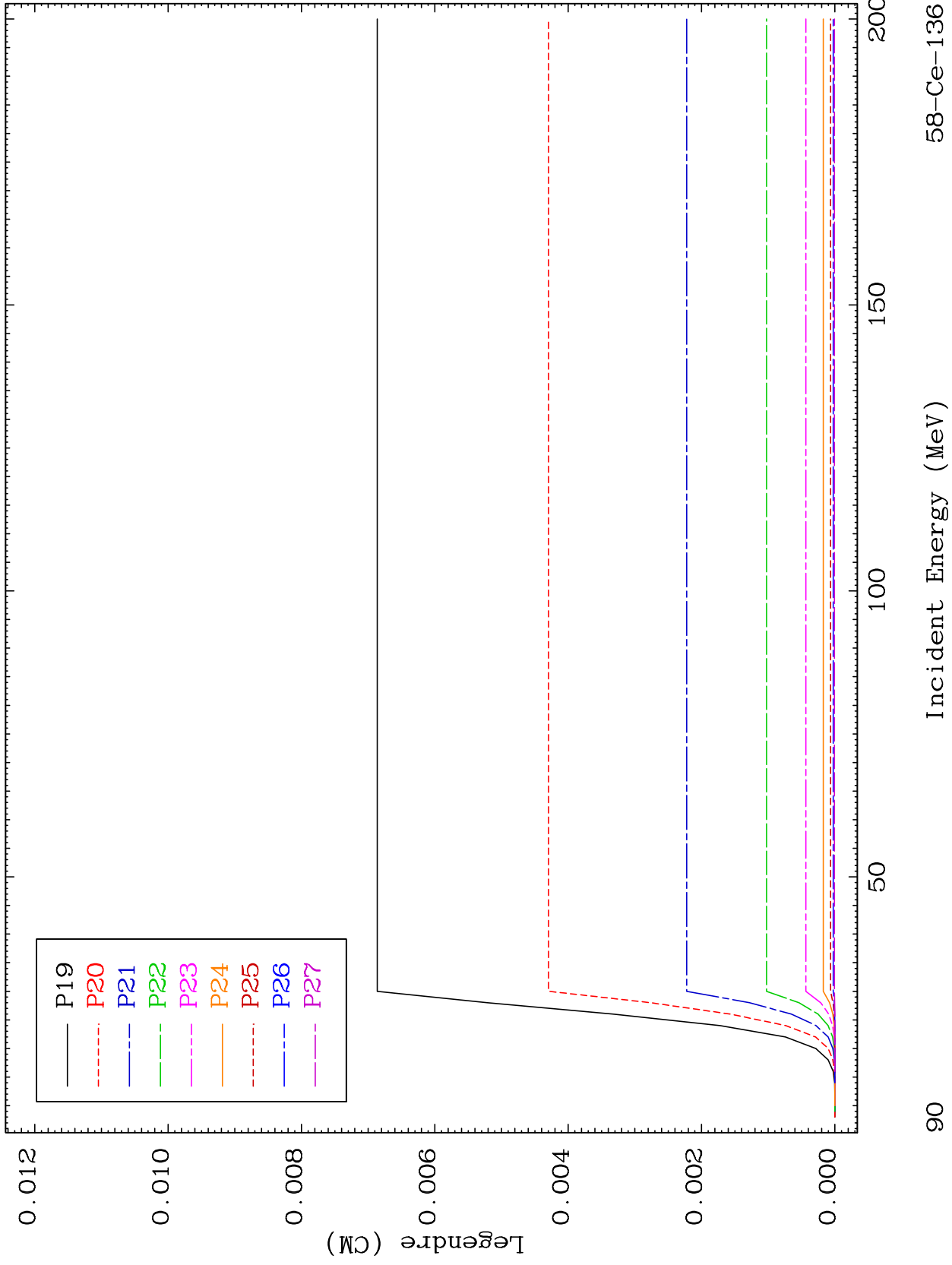
Incident Energy (MeV)

58-Ce-136

MAT 5825

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

58-Ce-136



90

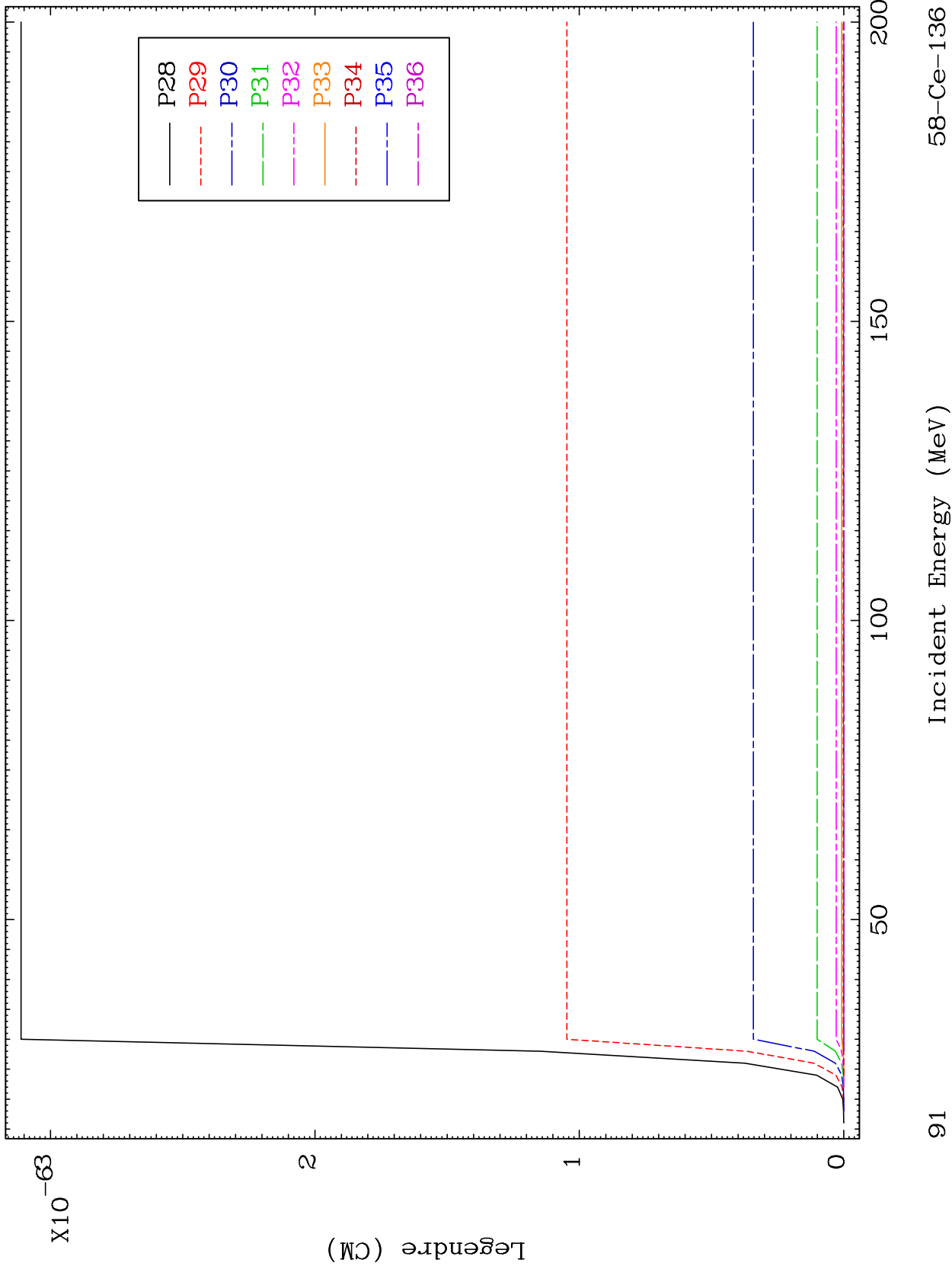
Incident Energy (MeV)

58-Ce-136

MAT 5825

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

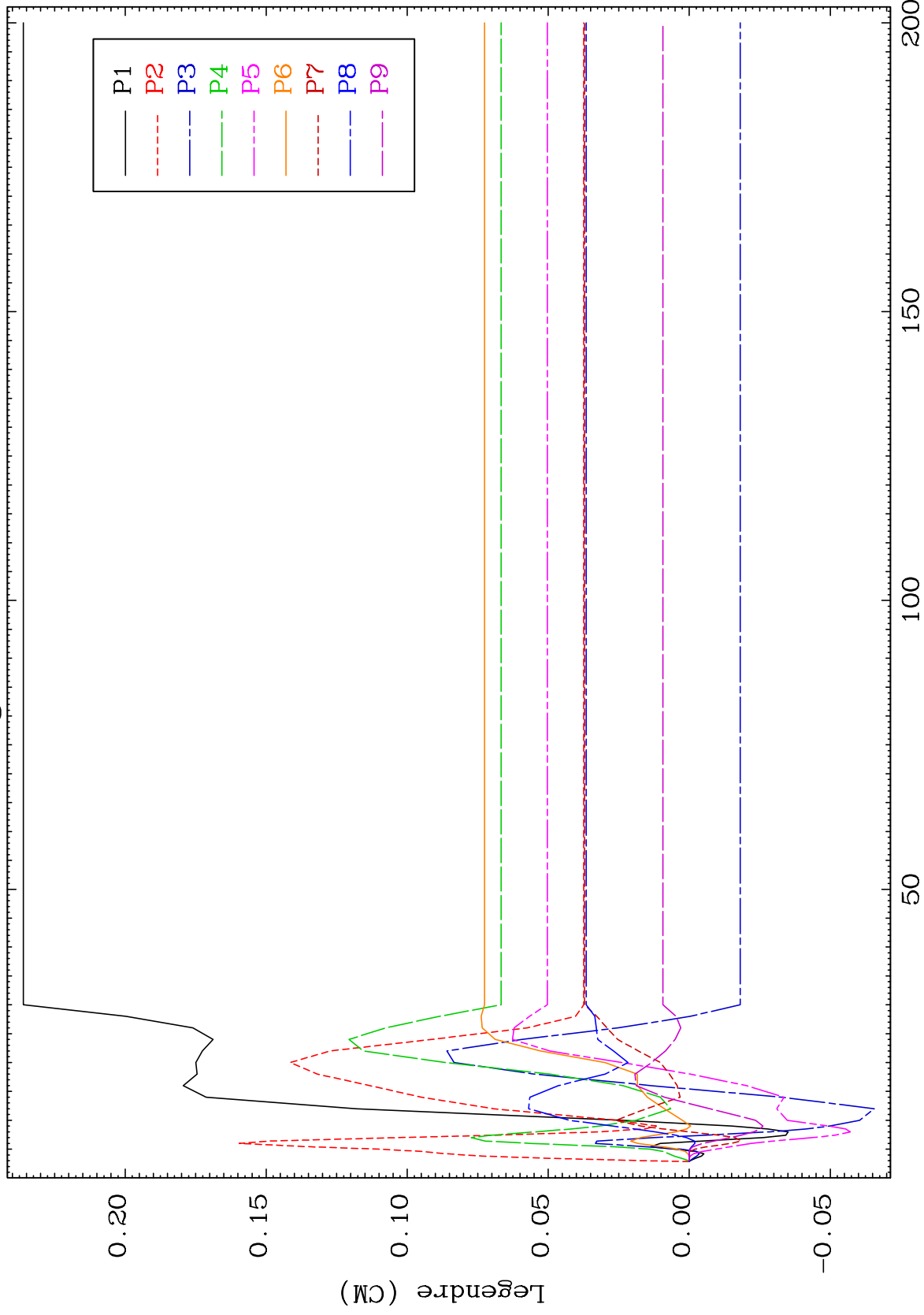
58-Ce-136



MAT 5825

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

58-Ce-136



92

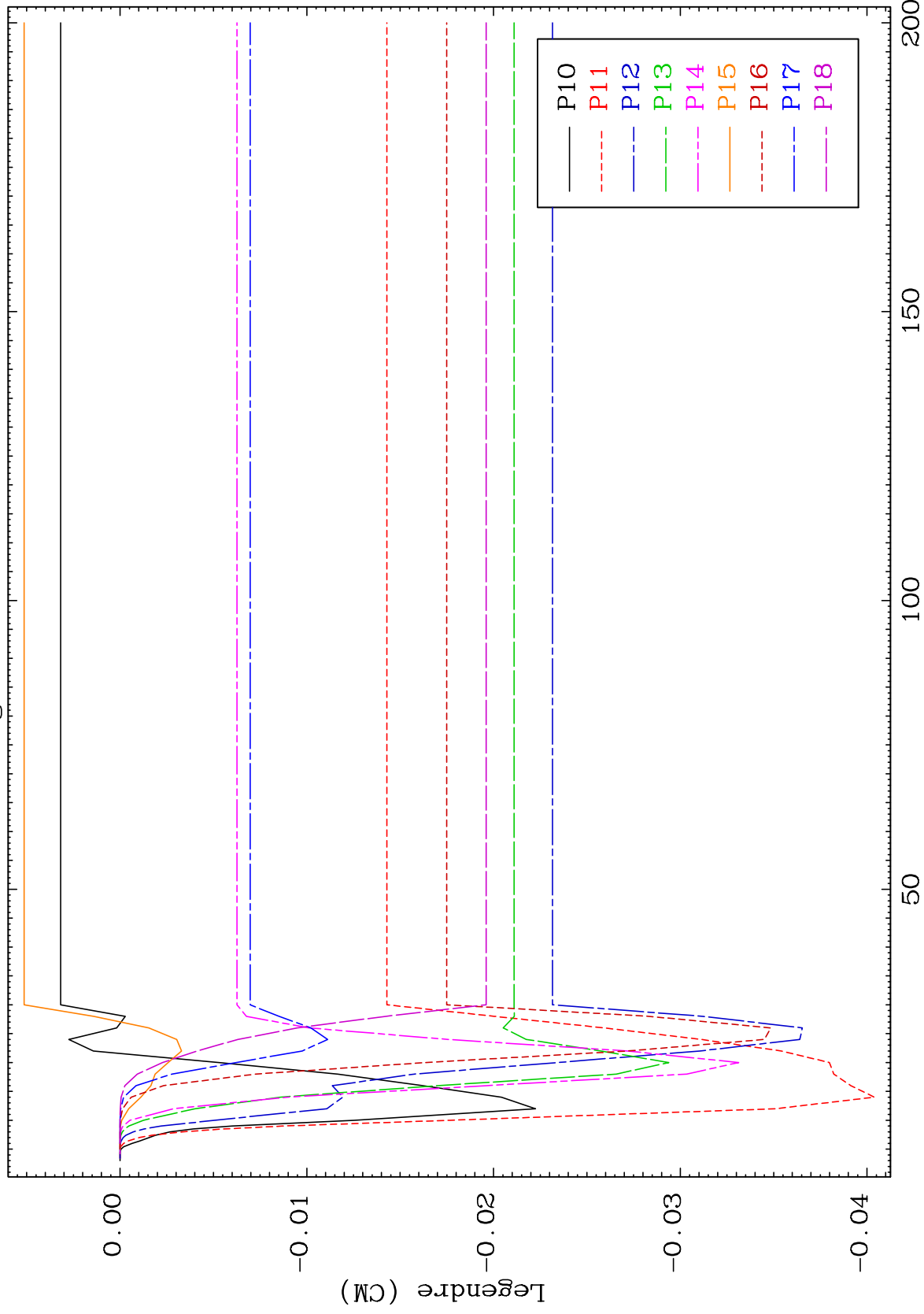
Incident Energy (MeV)

58-Ce-136

MAT 5825

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

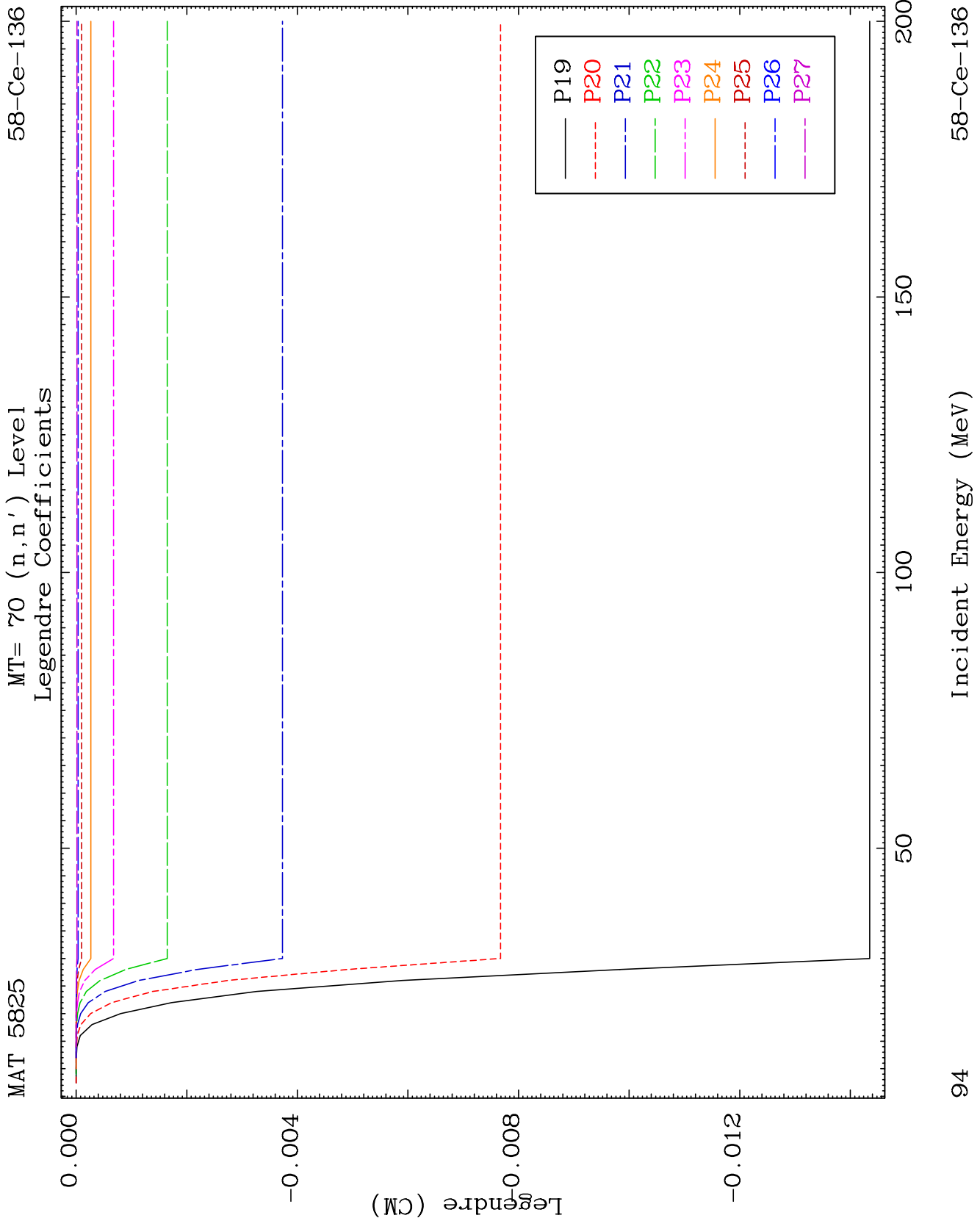
58-Ce-136

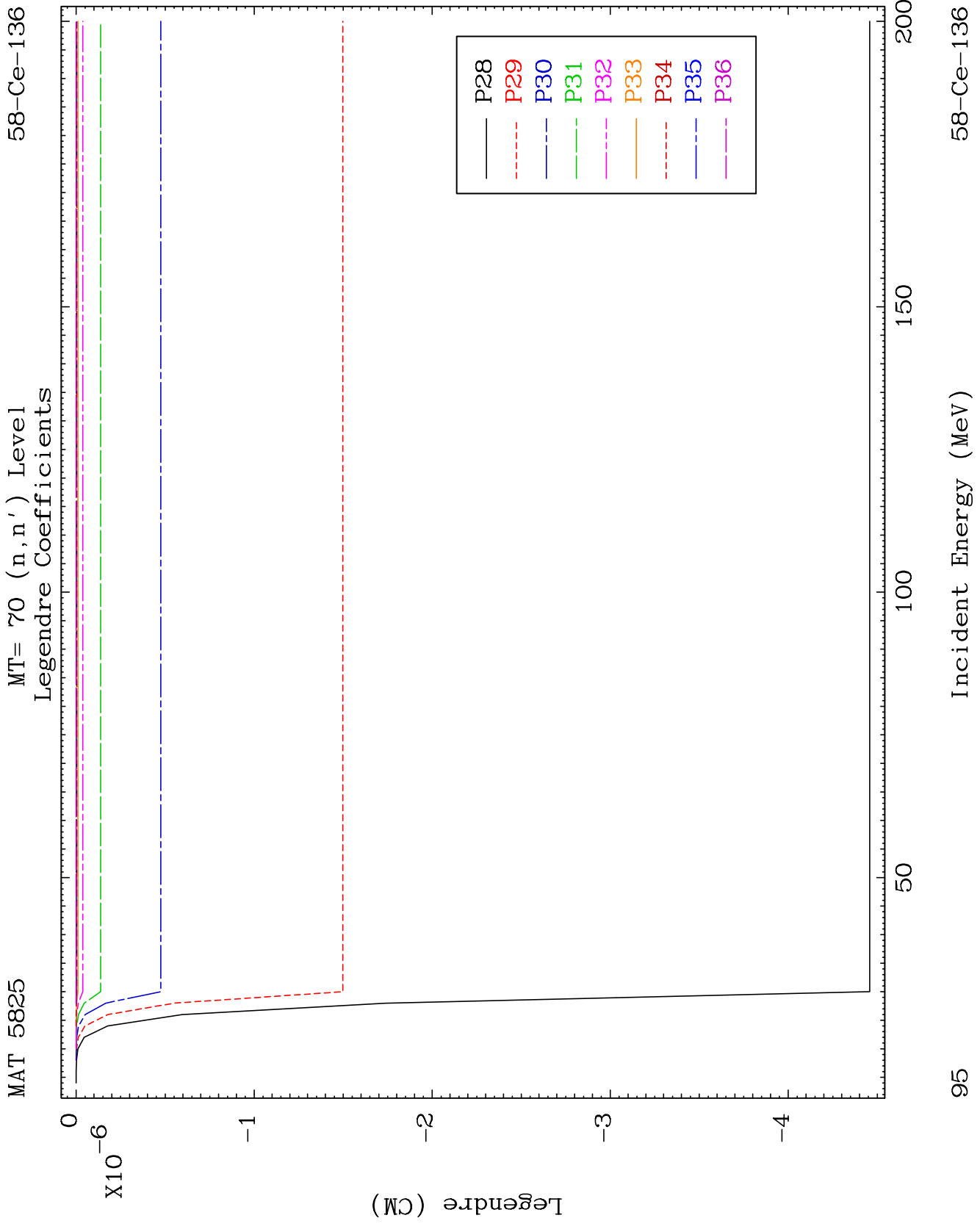


93

Incident Energy (MeV)

58-Ce-136

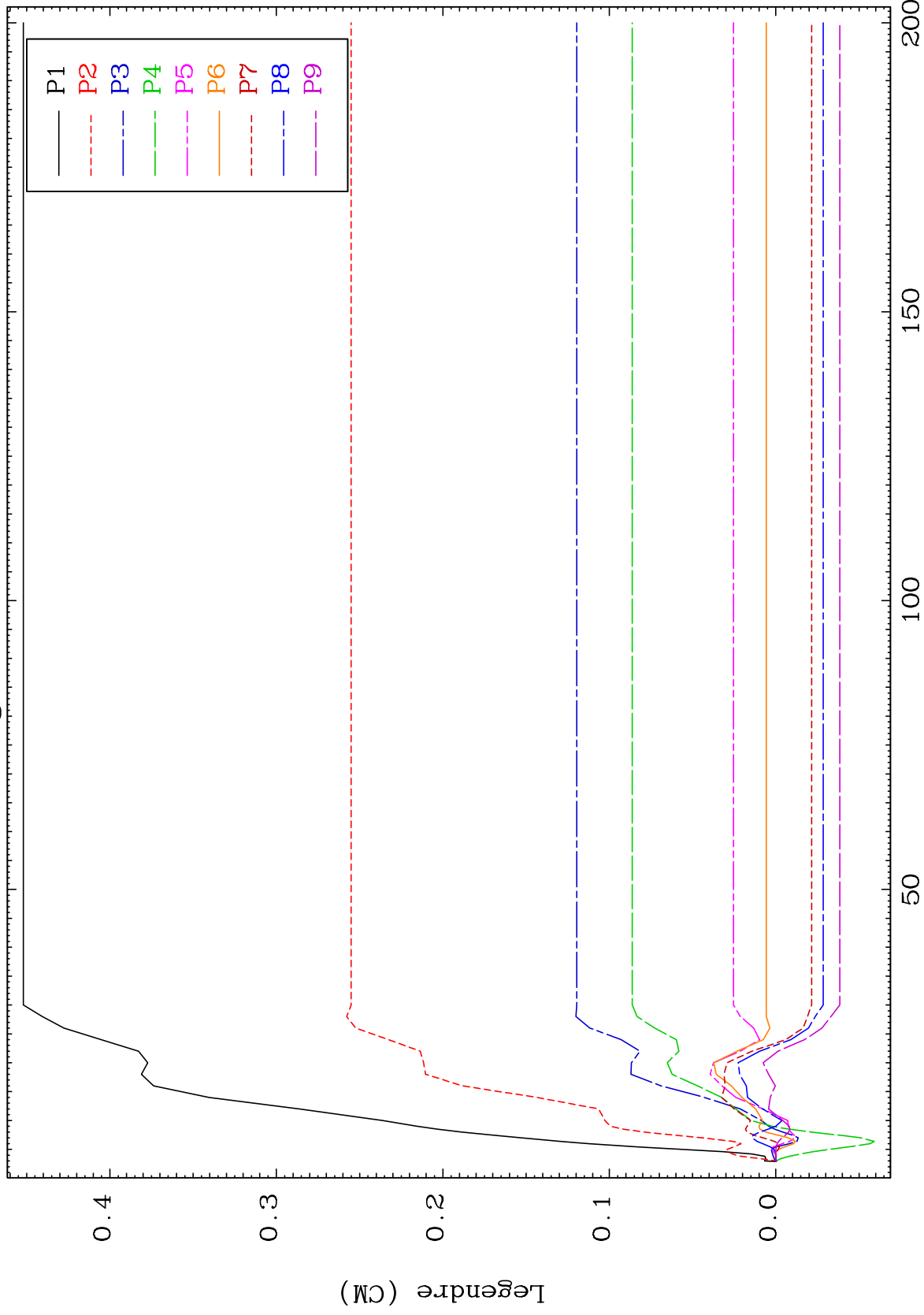




MAT 5825

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

58-Ce-136



96

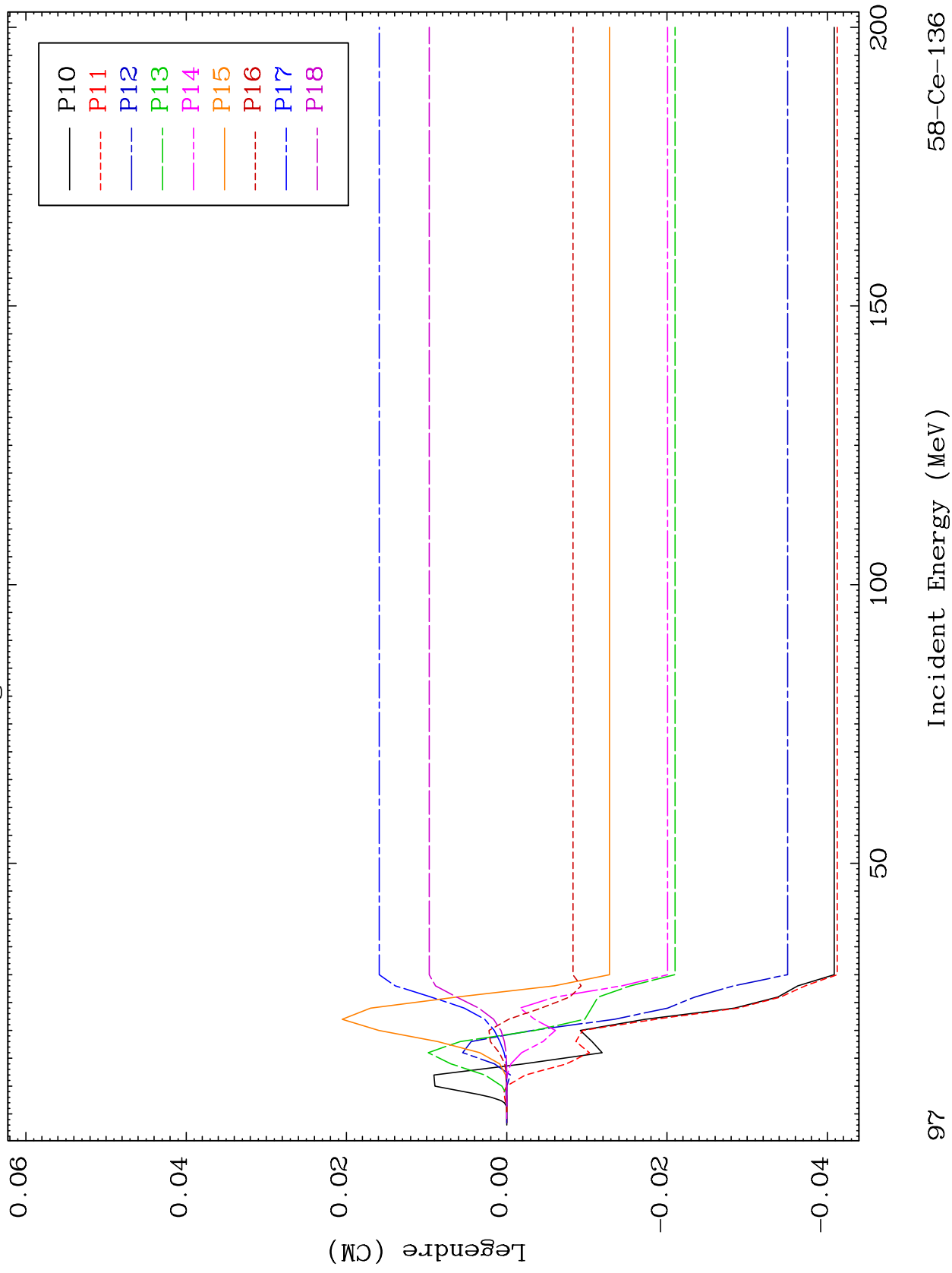
Incident Energy (MeV)

58-Ce-136

MAT 5825

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

58-Ce-136



97

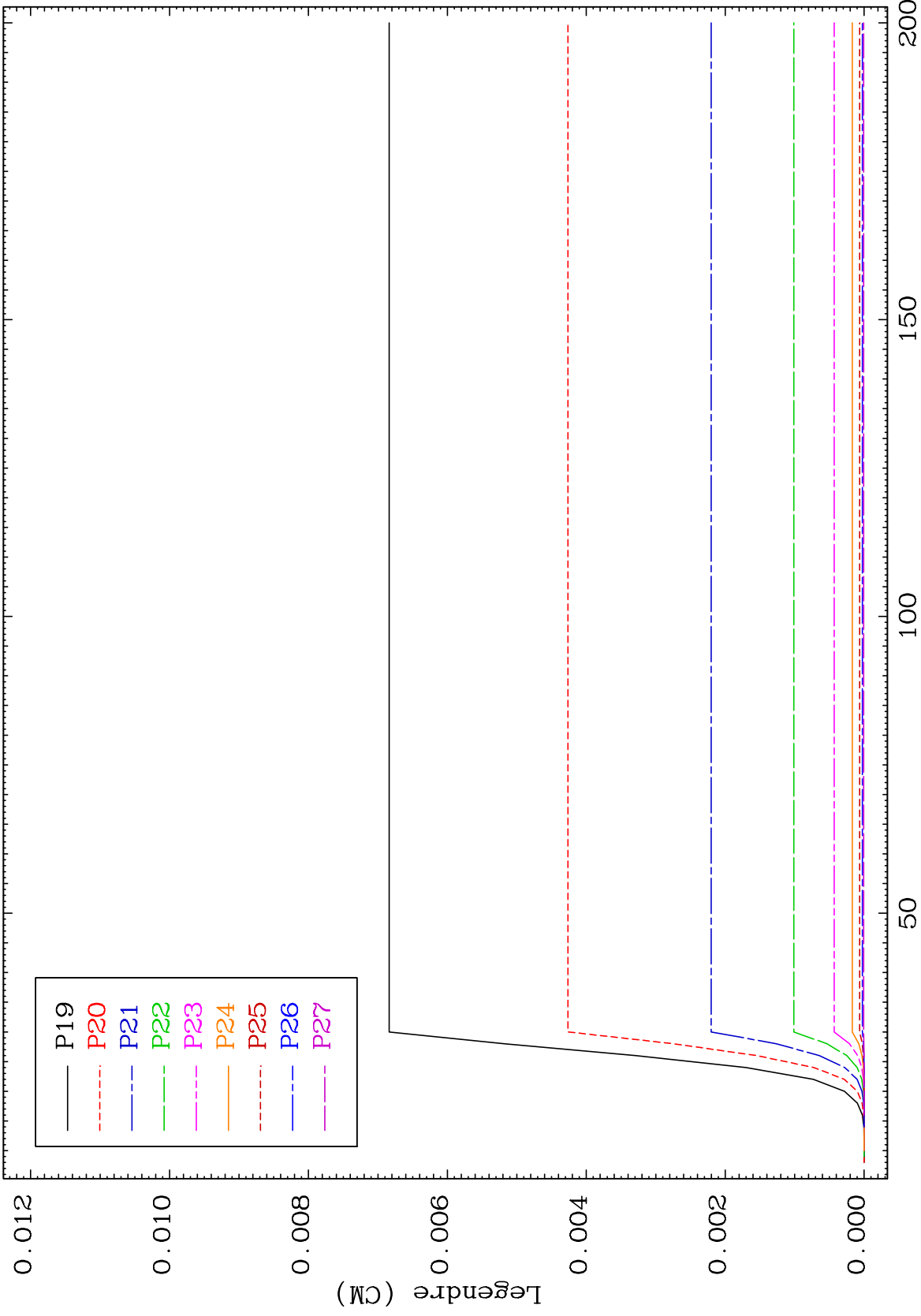
Incident Energy (MeV)

58-Ce-136

MAT 5825

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

58-Ce-136



98

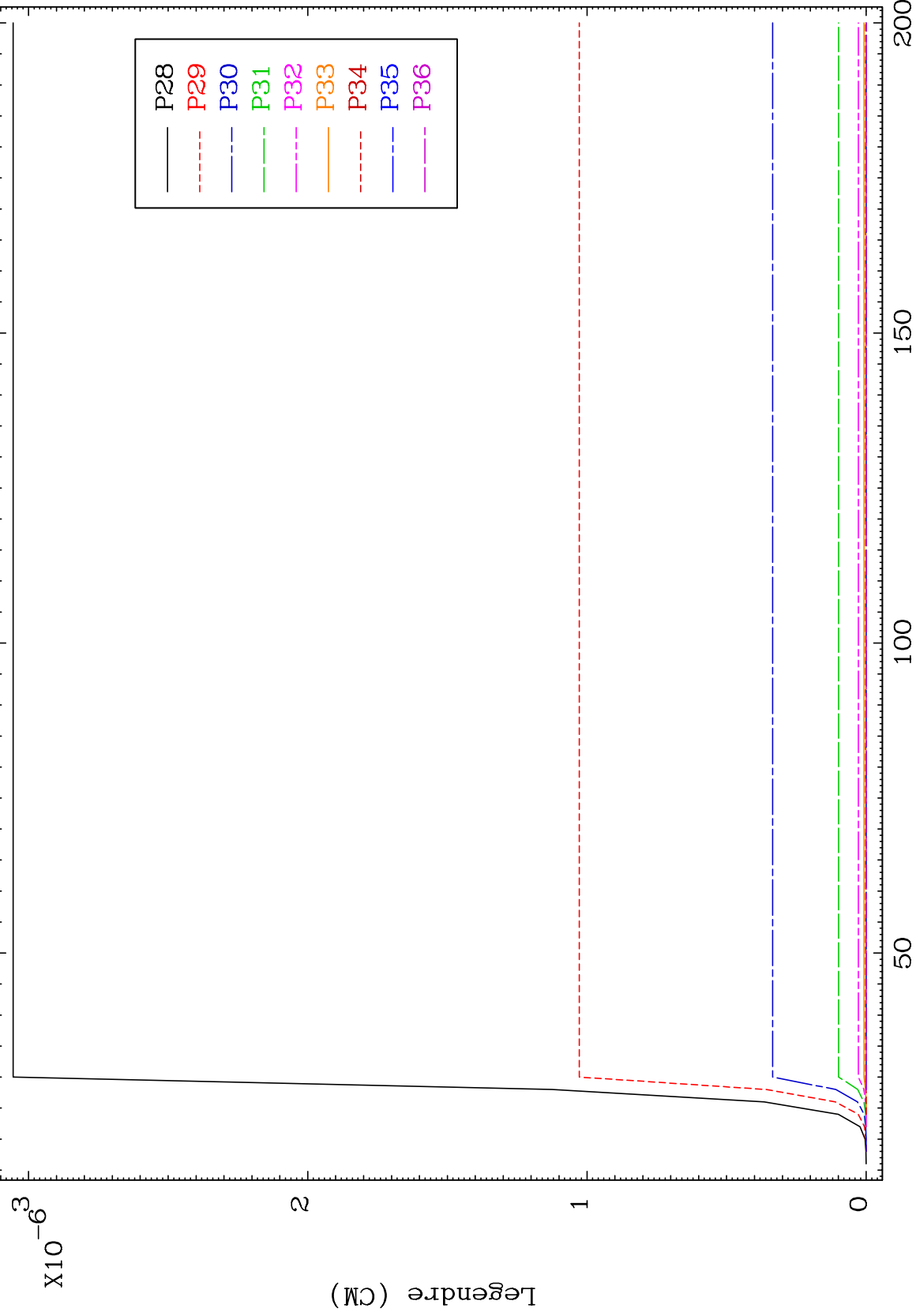
Incident Energy (MeV)

58-Ce-136

MAT 5825

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

58-Ce-136



99

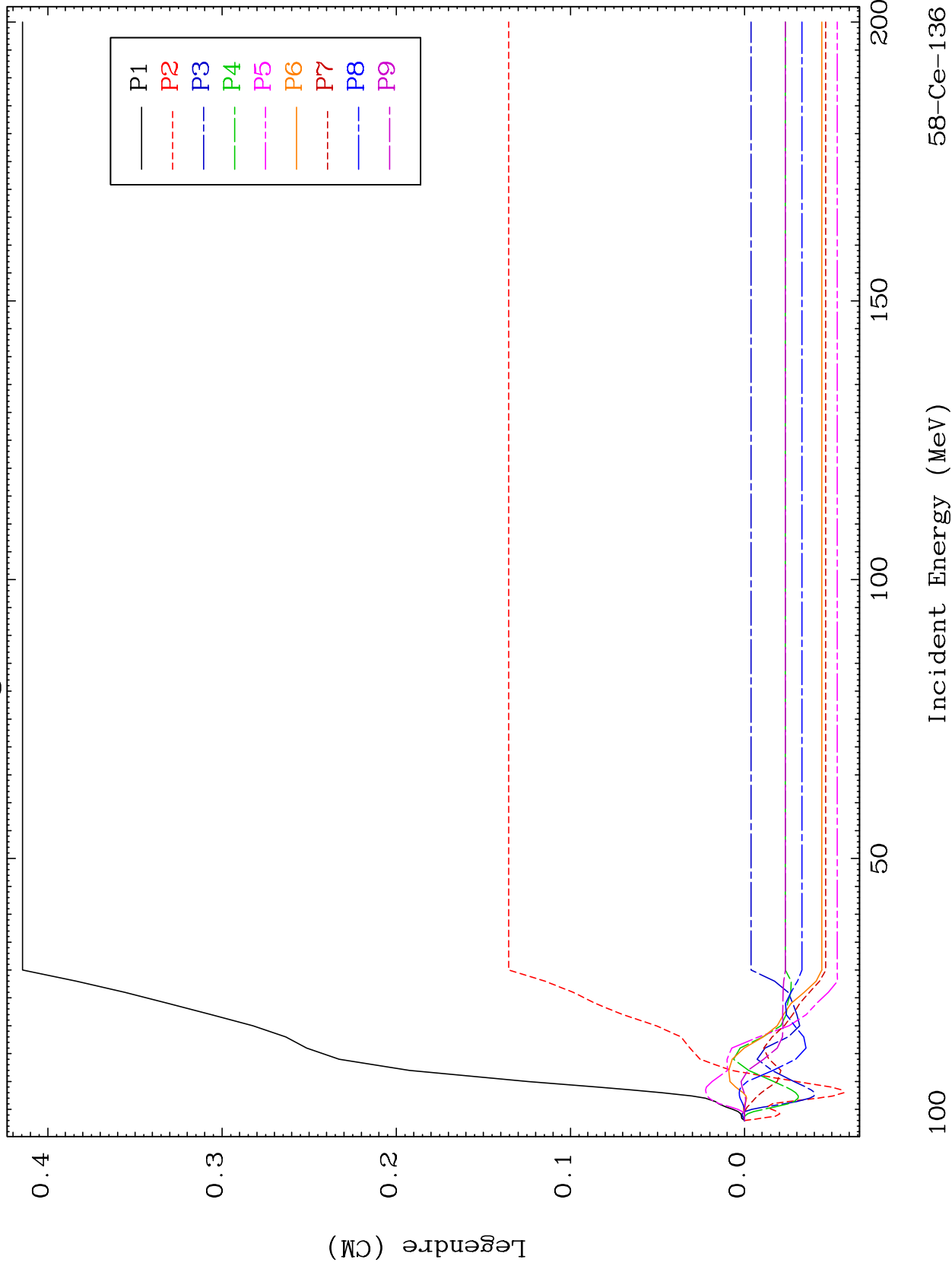
Incident Energy (MeV)

58-Ce-136

MAT 5825

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

58-Ce-136

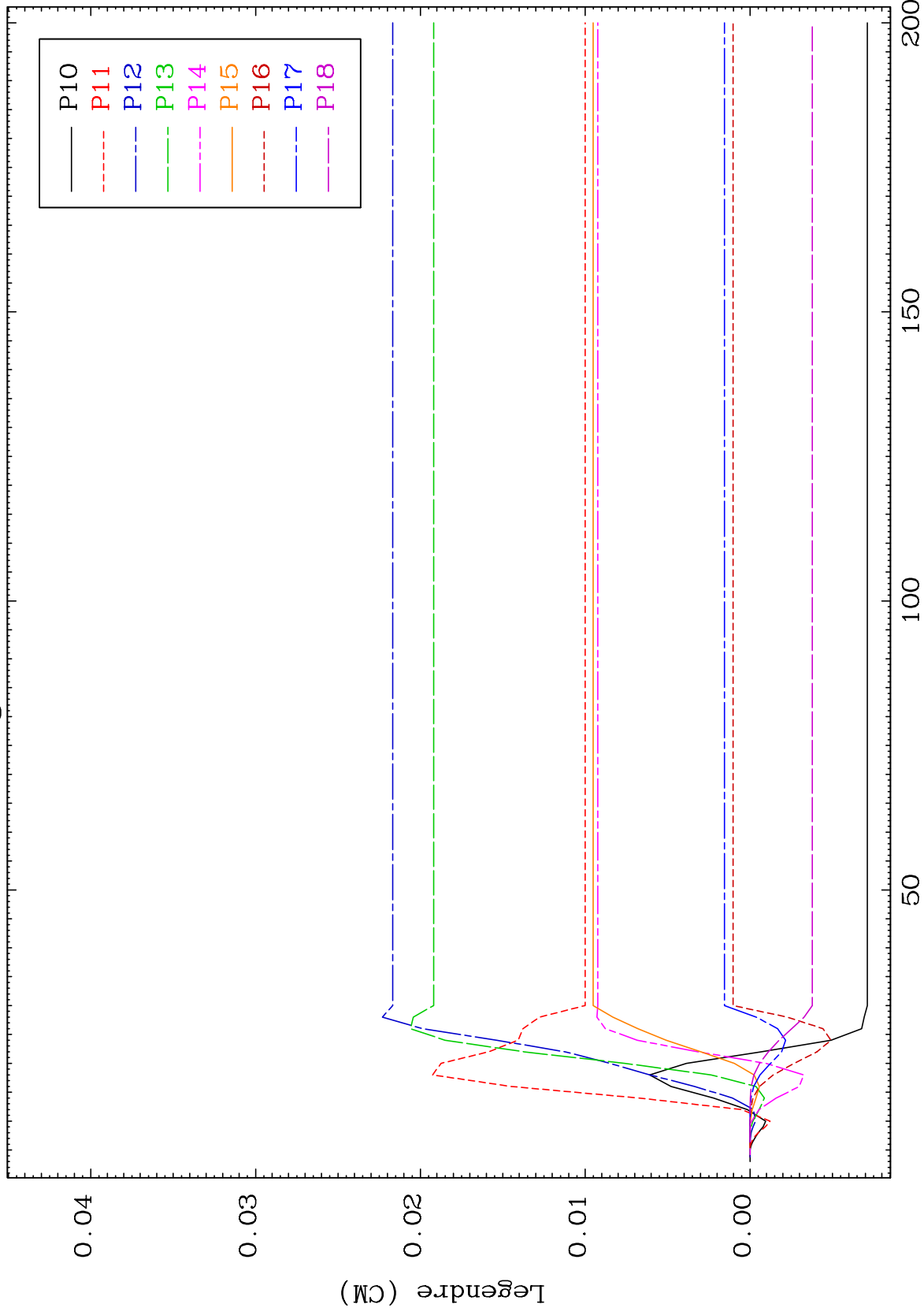


58-Ce-136

MAT 5825

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

58-Ce-136



101

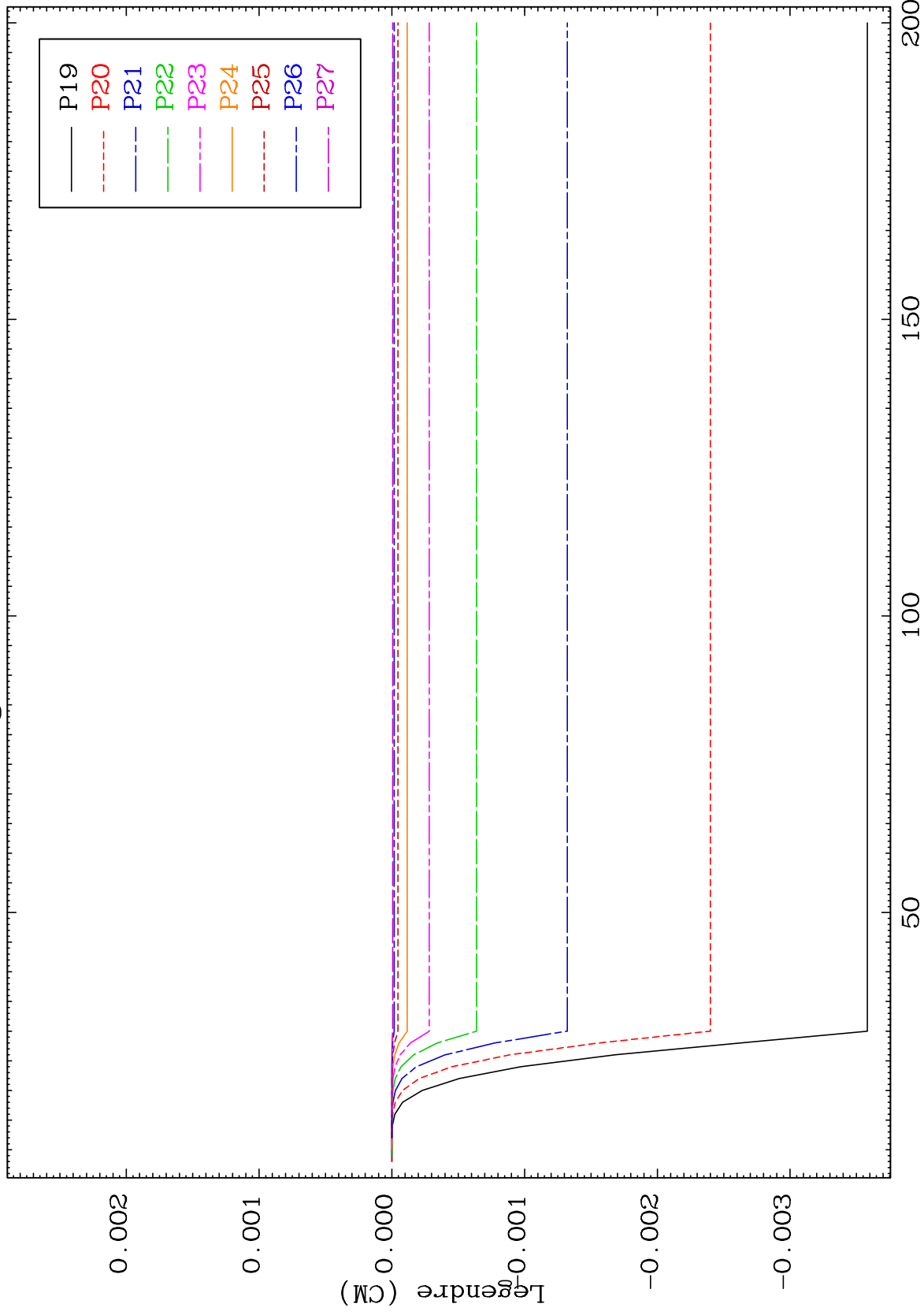
Incident Energy (MeV)

58-Ce-136

MAT 5825

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

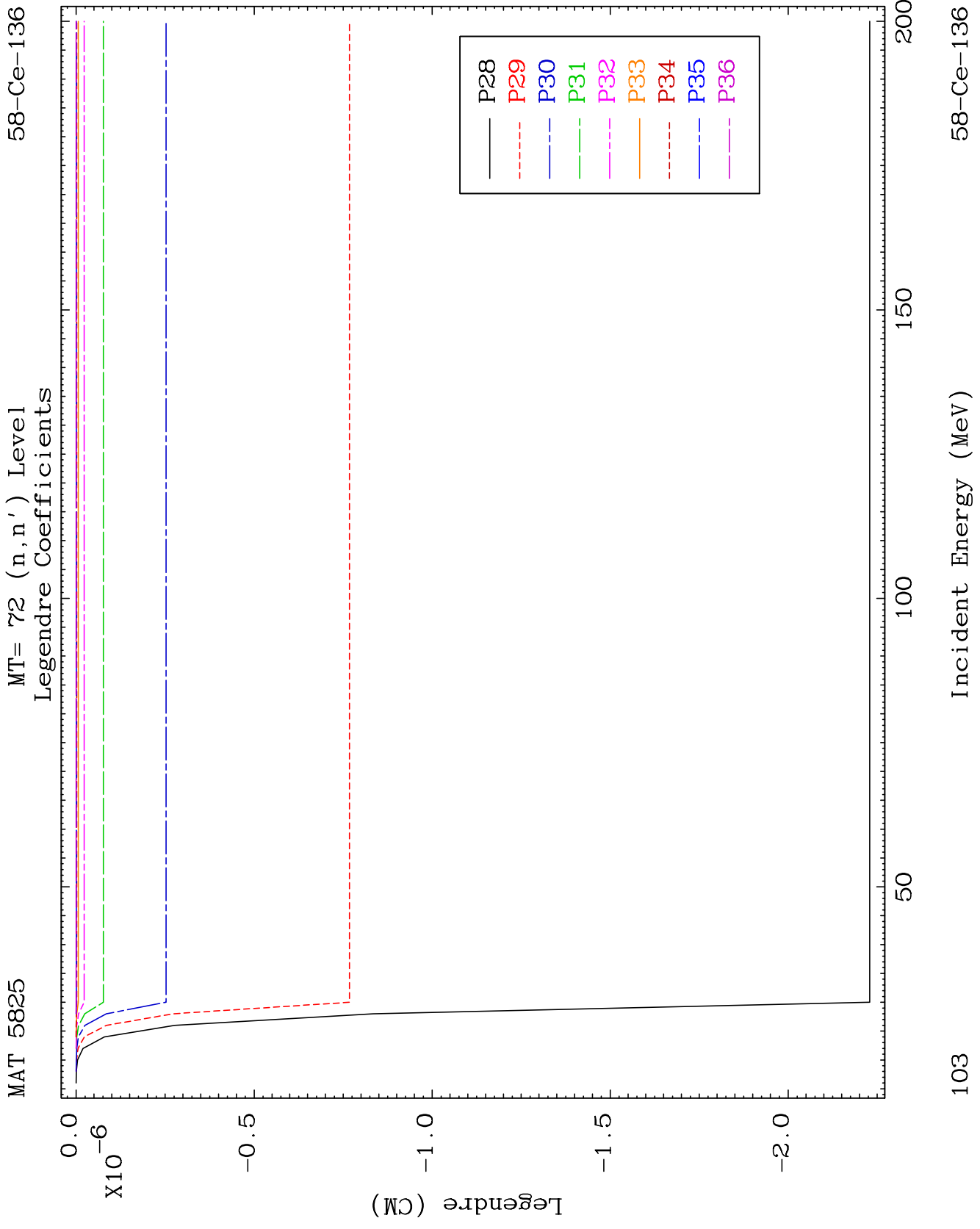
58-Ce-136



102

Incident Energy (MeV)

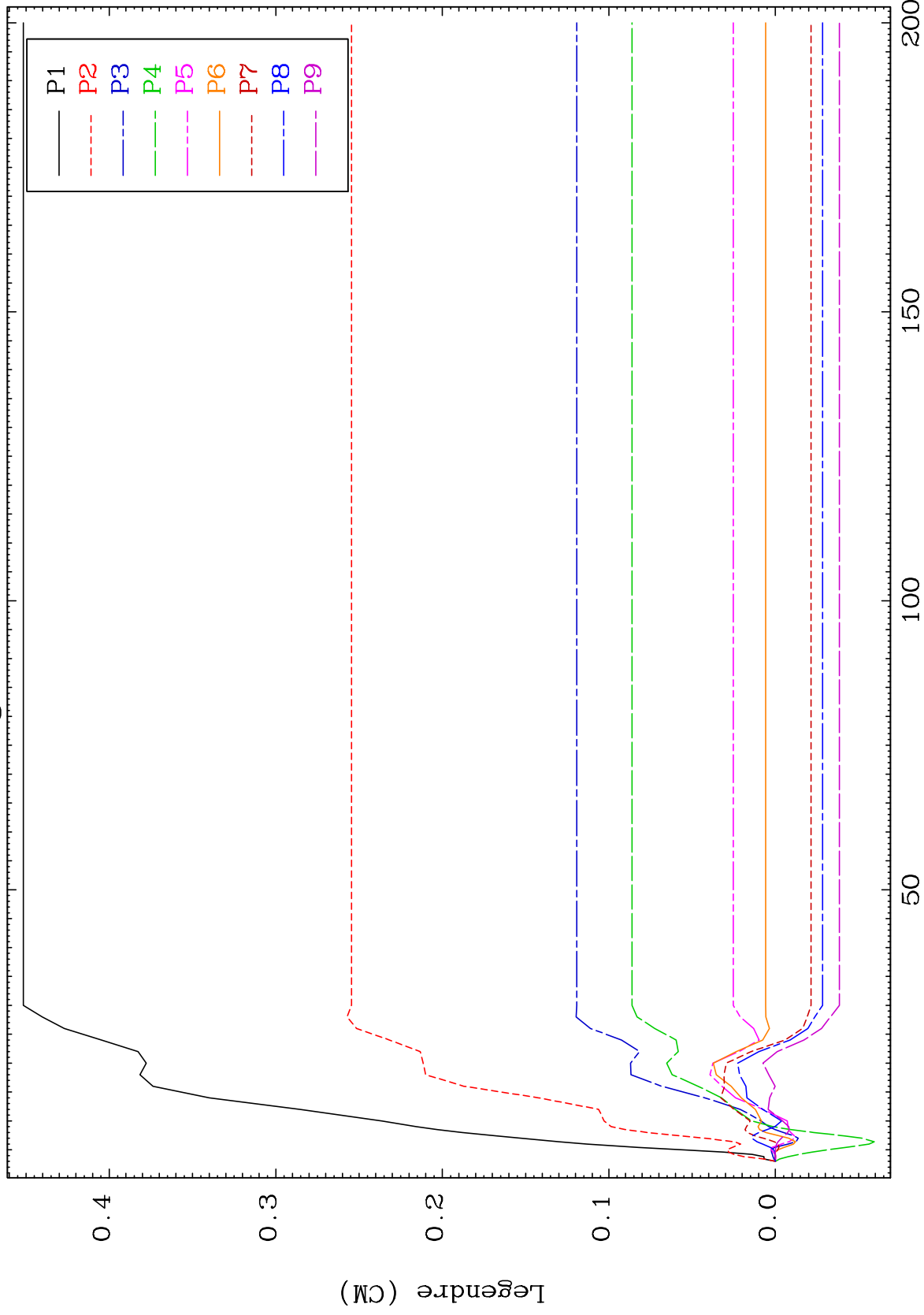
58-Ce-136



MAT 5825

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

58-Ce-136



104

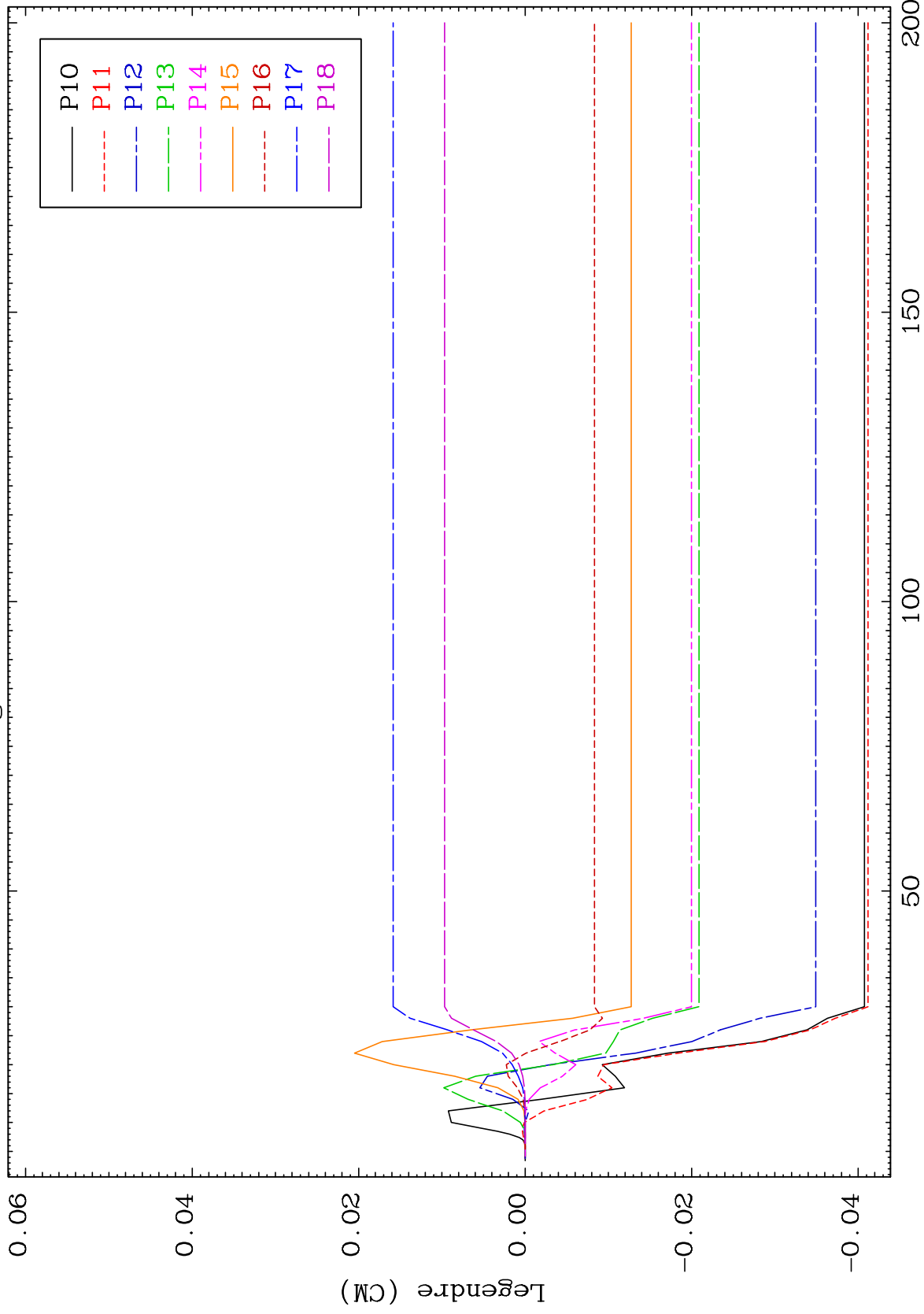
Incident Energy (MeV)

58-Ce-136

MAT 5825

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

58-Ce-136



105

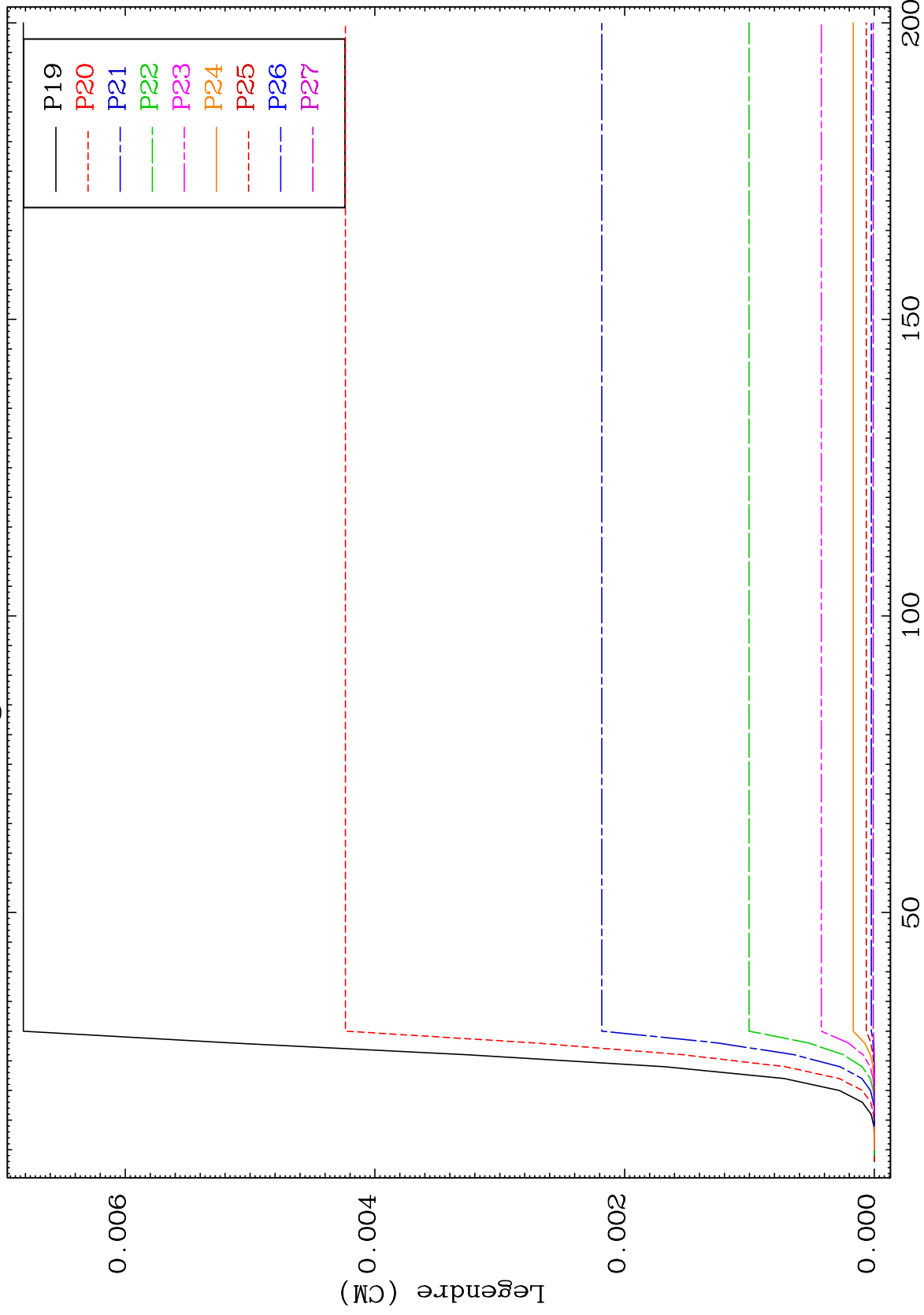
Incident Energy (MeV)

58-Ce-136

MAT 5825

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

58-Ce-136



106

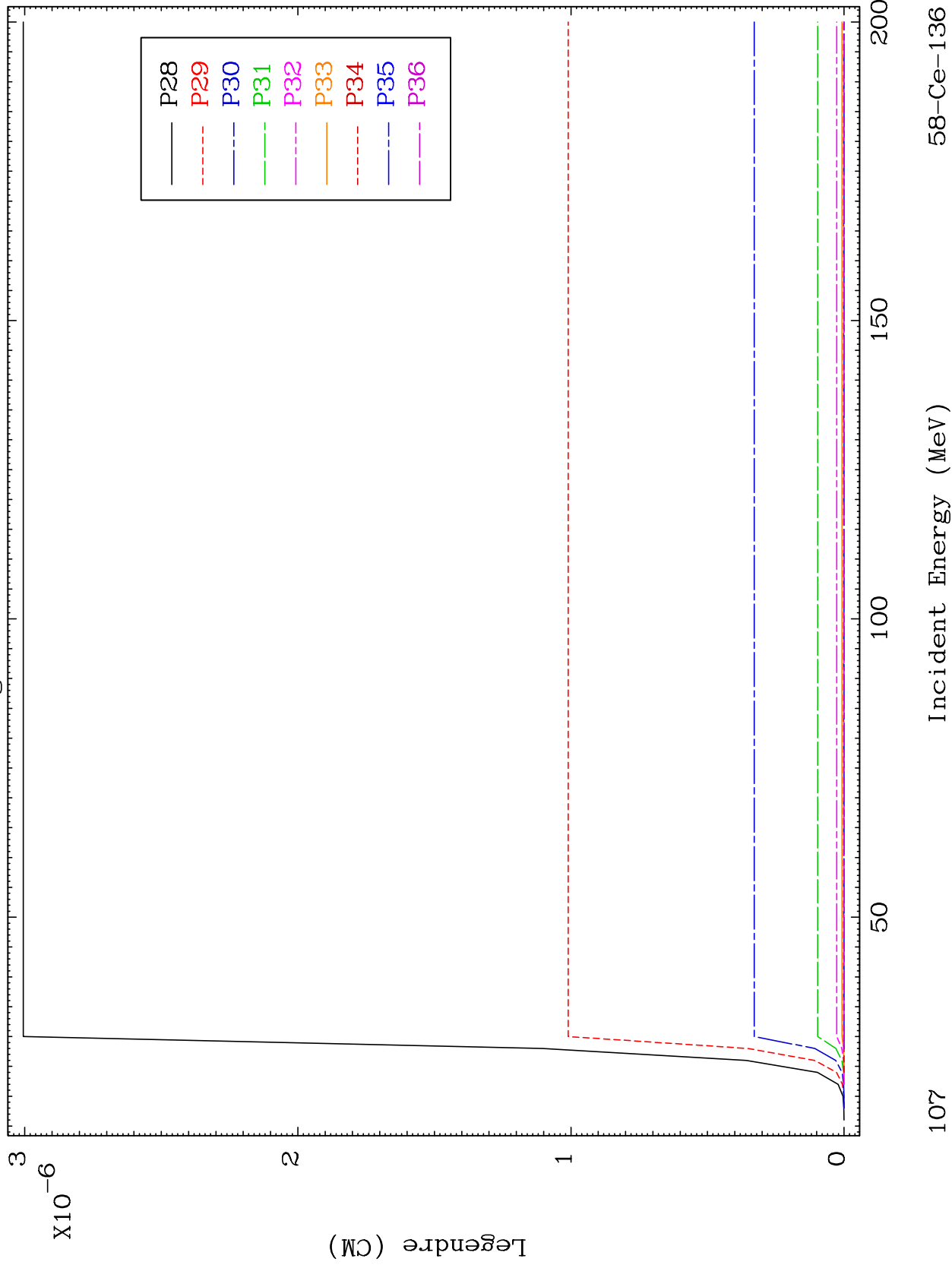
Incident Energy (MeV)

58-Ce-136

MAT 5825

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

58-Ce-136

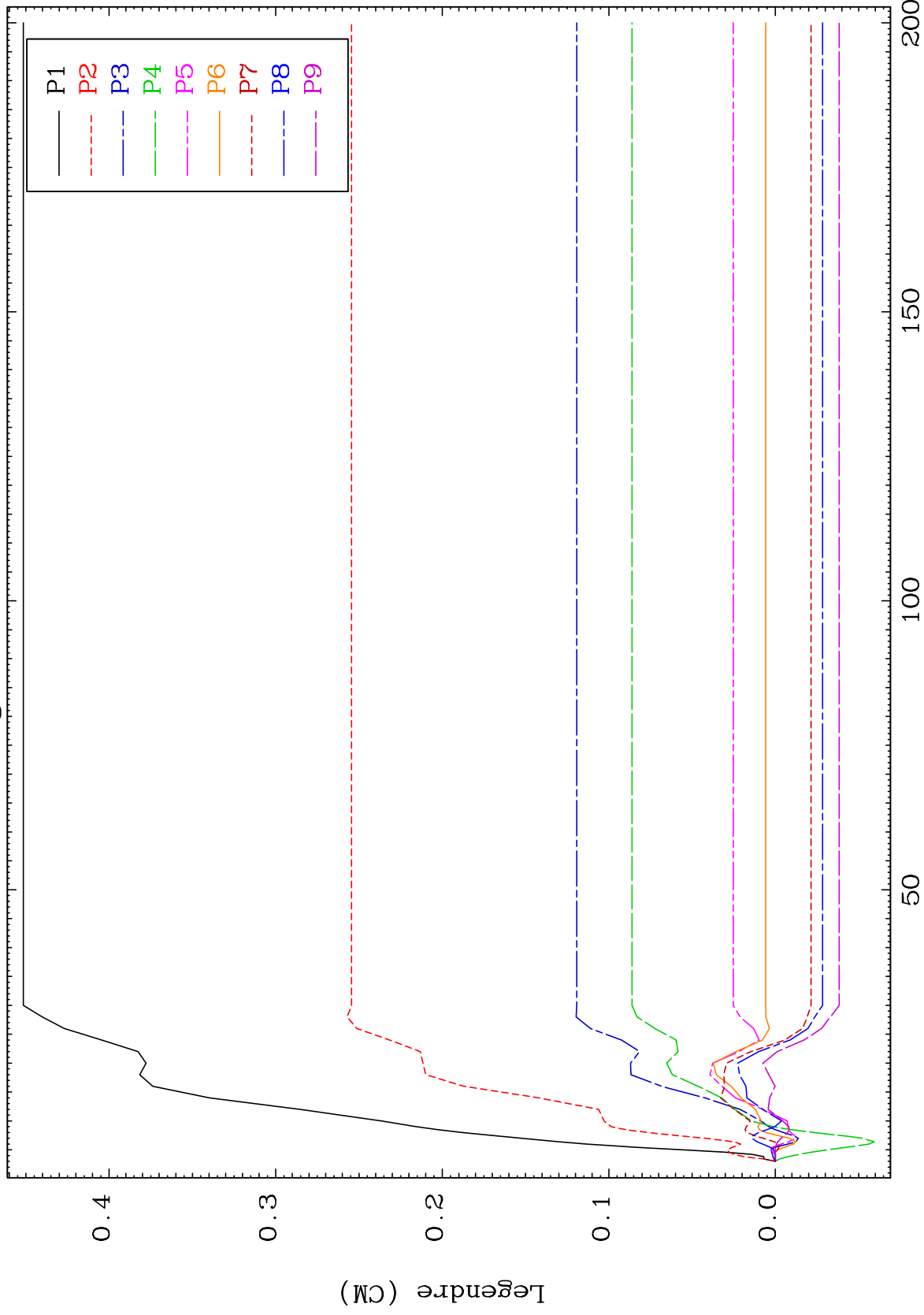


107

MAT 5825

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

58-Ce-136



108

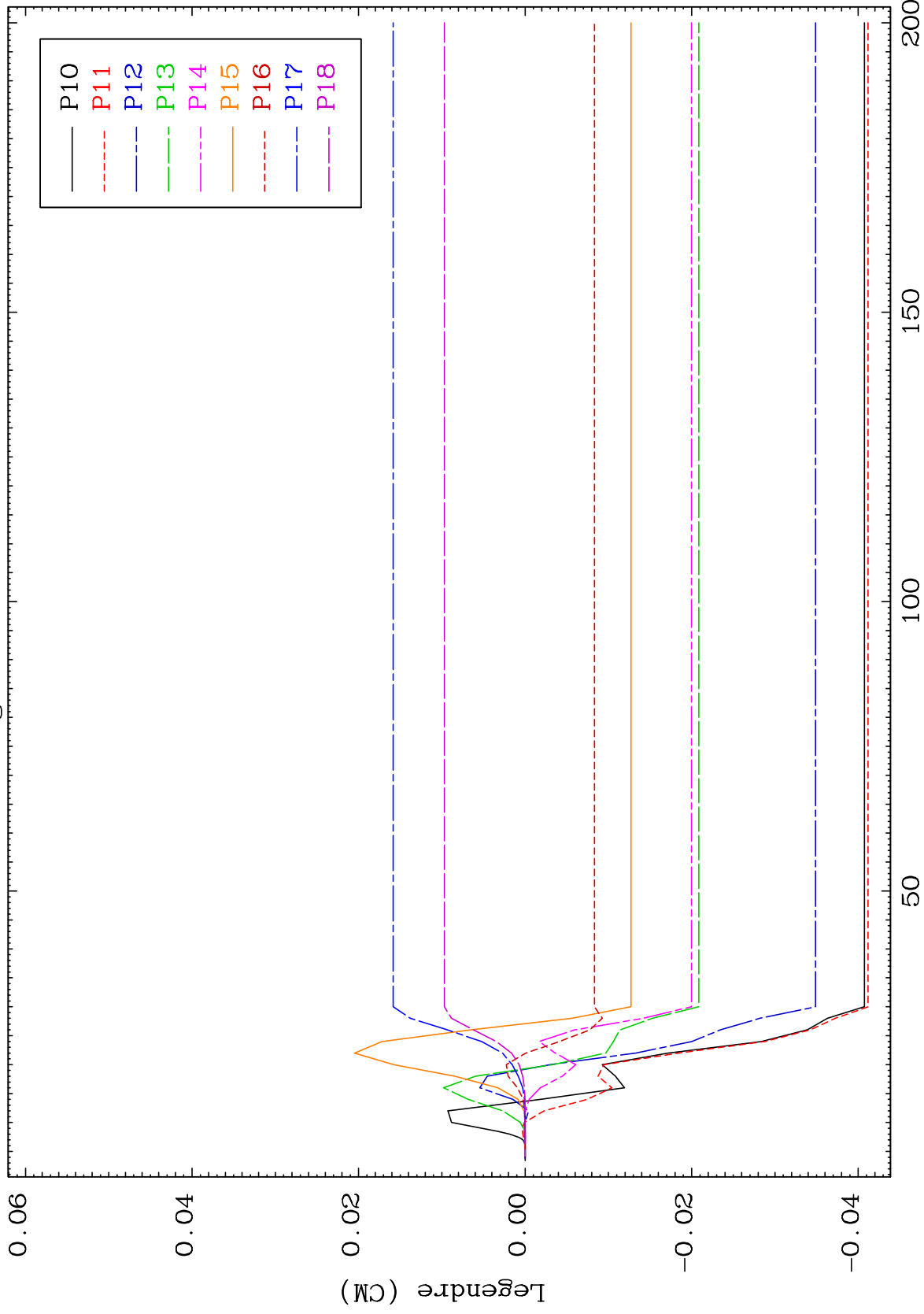
Incident Energy (MeV)

58-Ce-136

MAT 5825

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

58-Ce-136



109

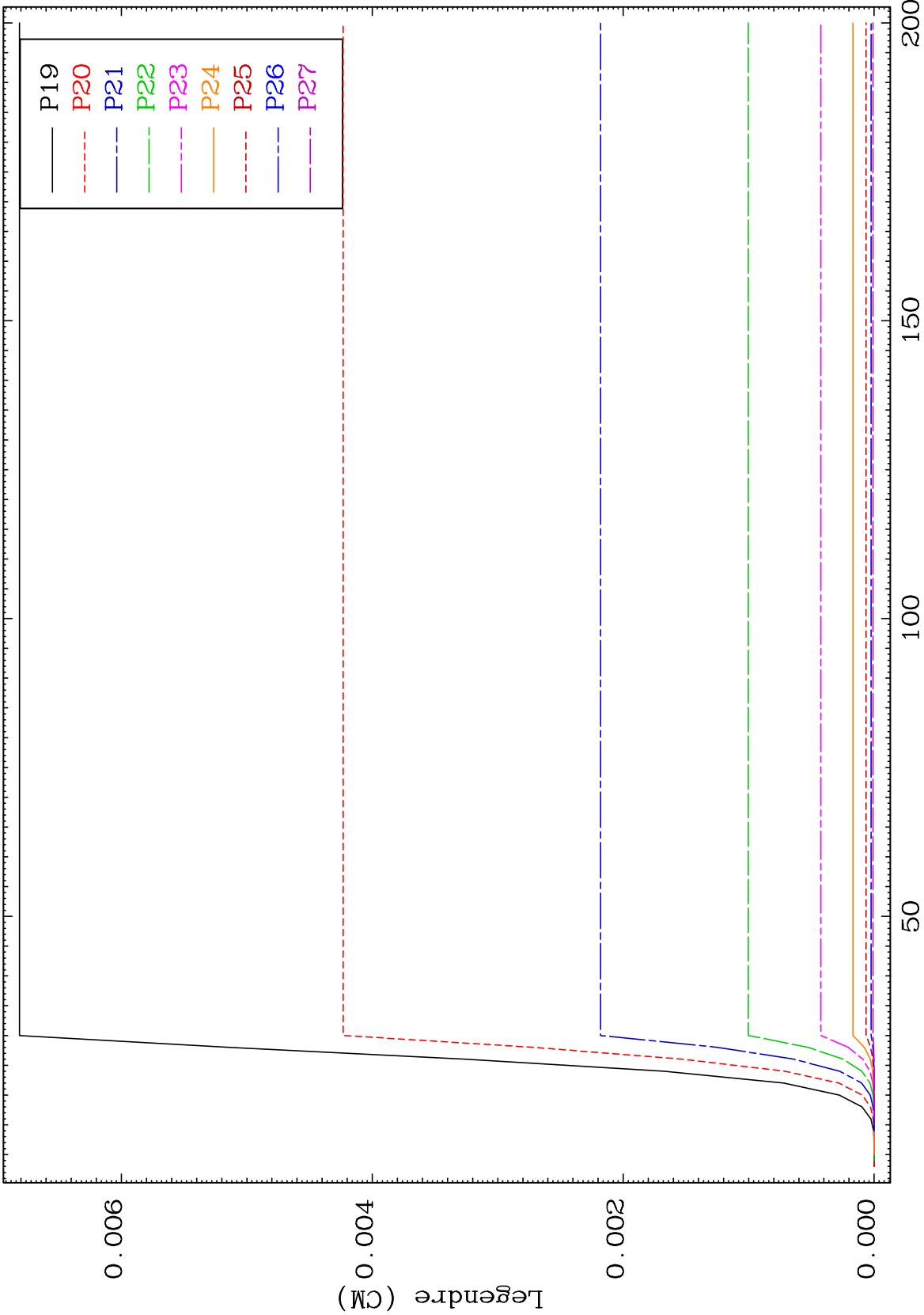
Incident Energy (MeV)

58-Ce-136

MAT 5825

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

58-Ce-136



110

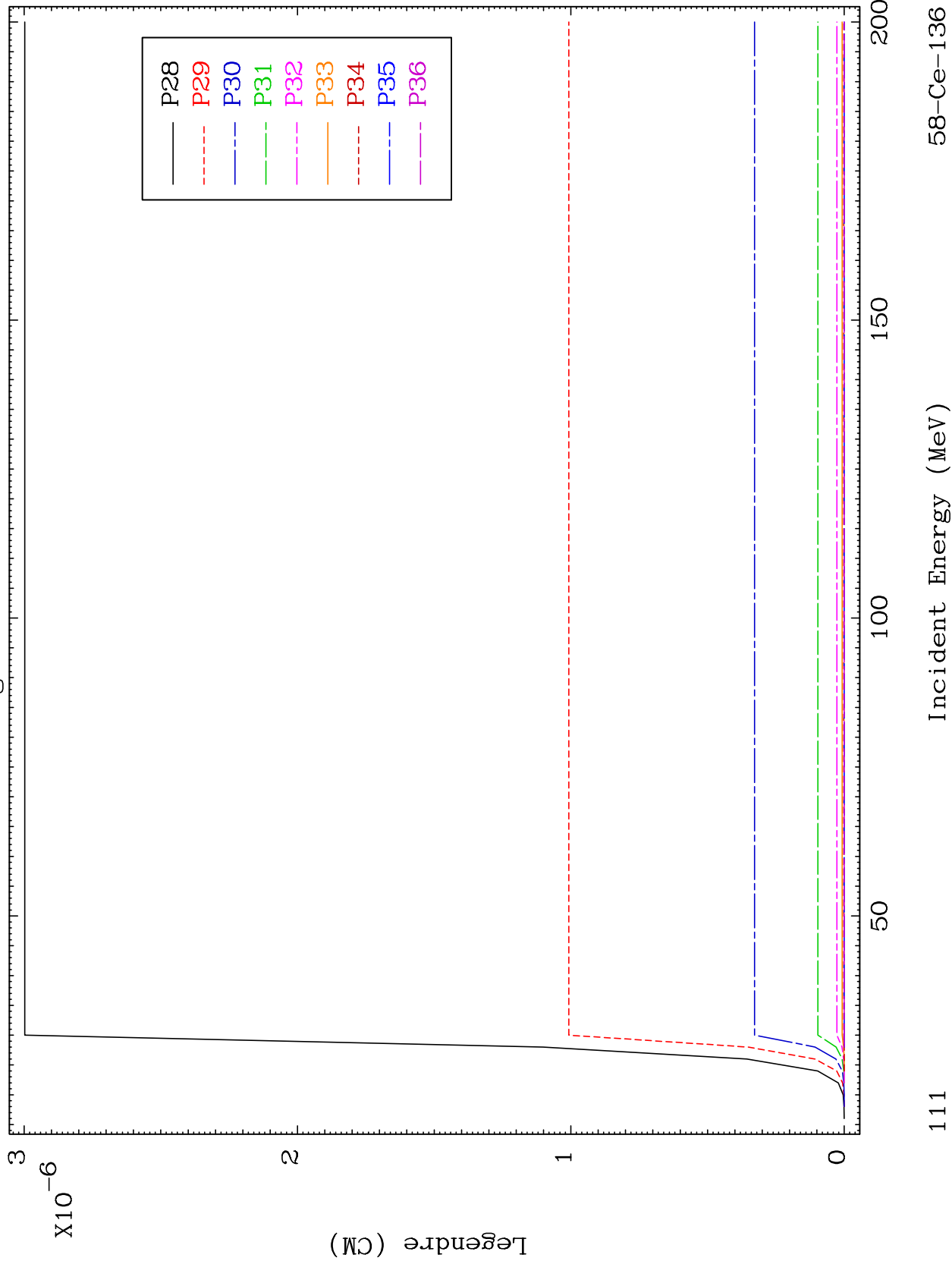
Incident Energy (MeV)

58-Ce-136

MAT 5825

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

58-Ce-136



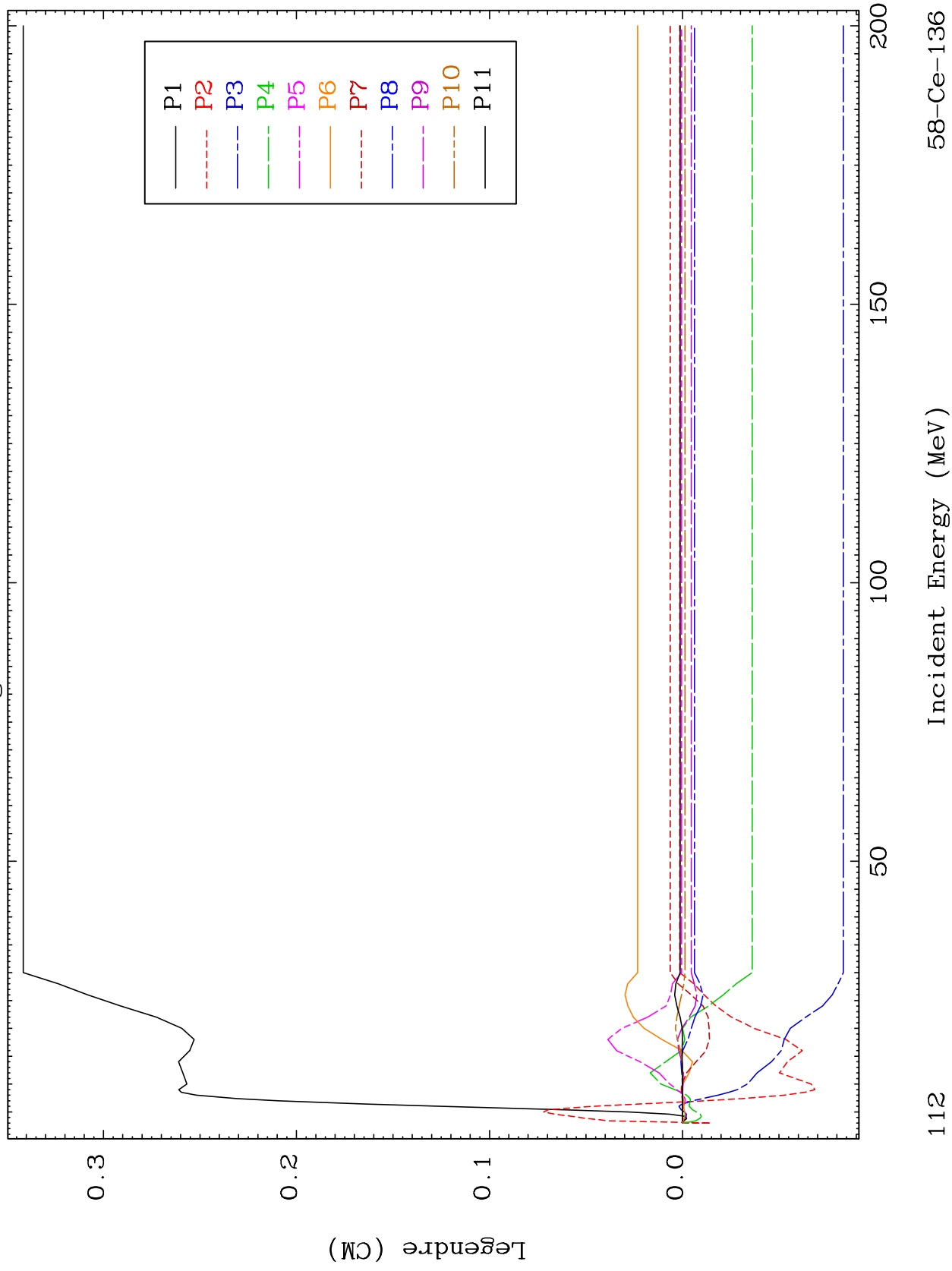
111

58-Ce-136

MAT 5825

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

58-Ce-136



112

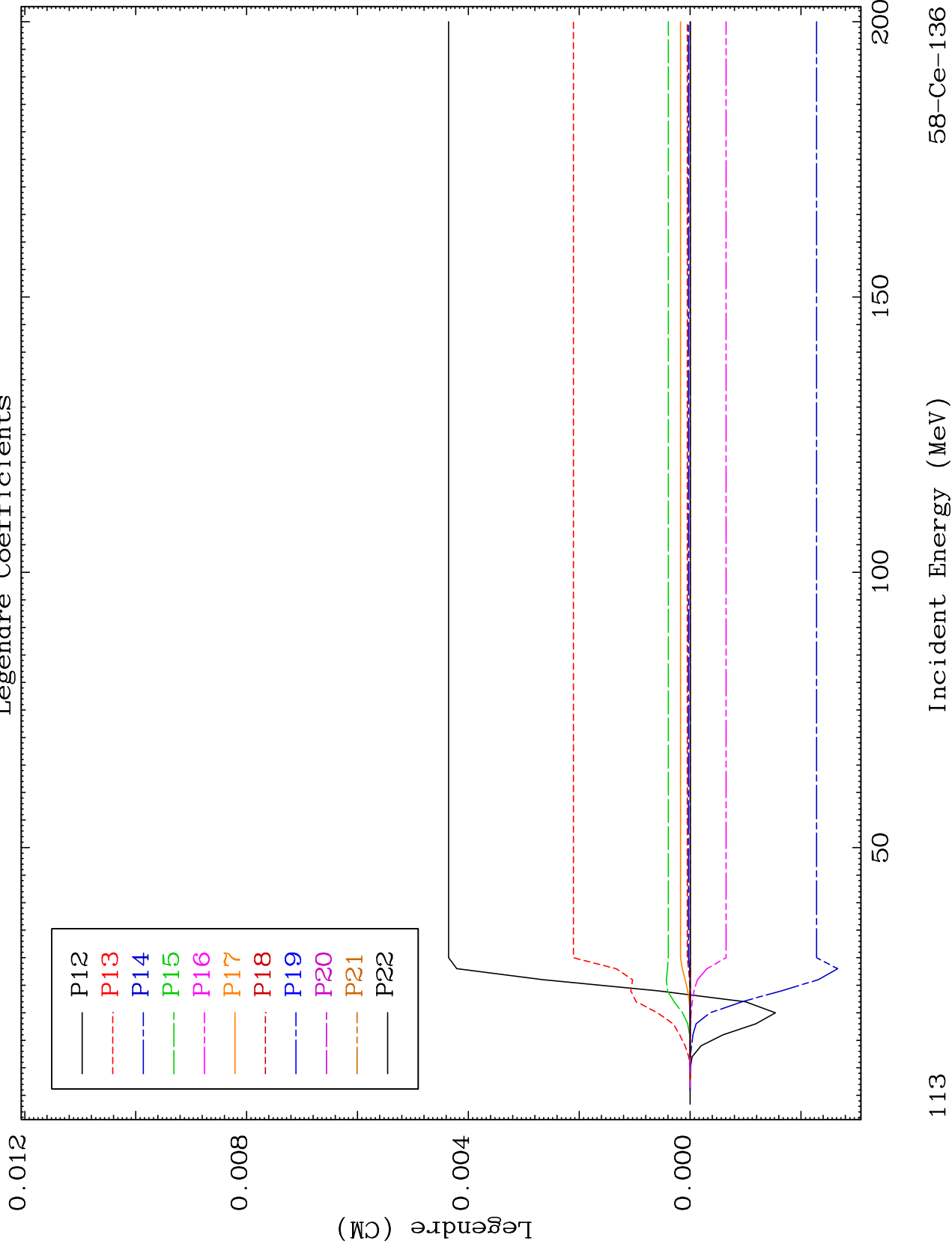
Incident Energy (MeV)

58-Ce-136

MAT 5825

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

58-Ce-136



113

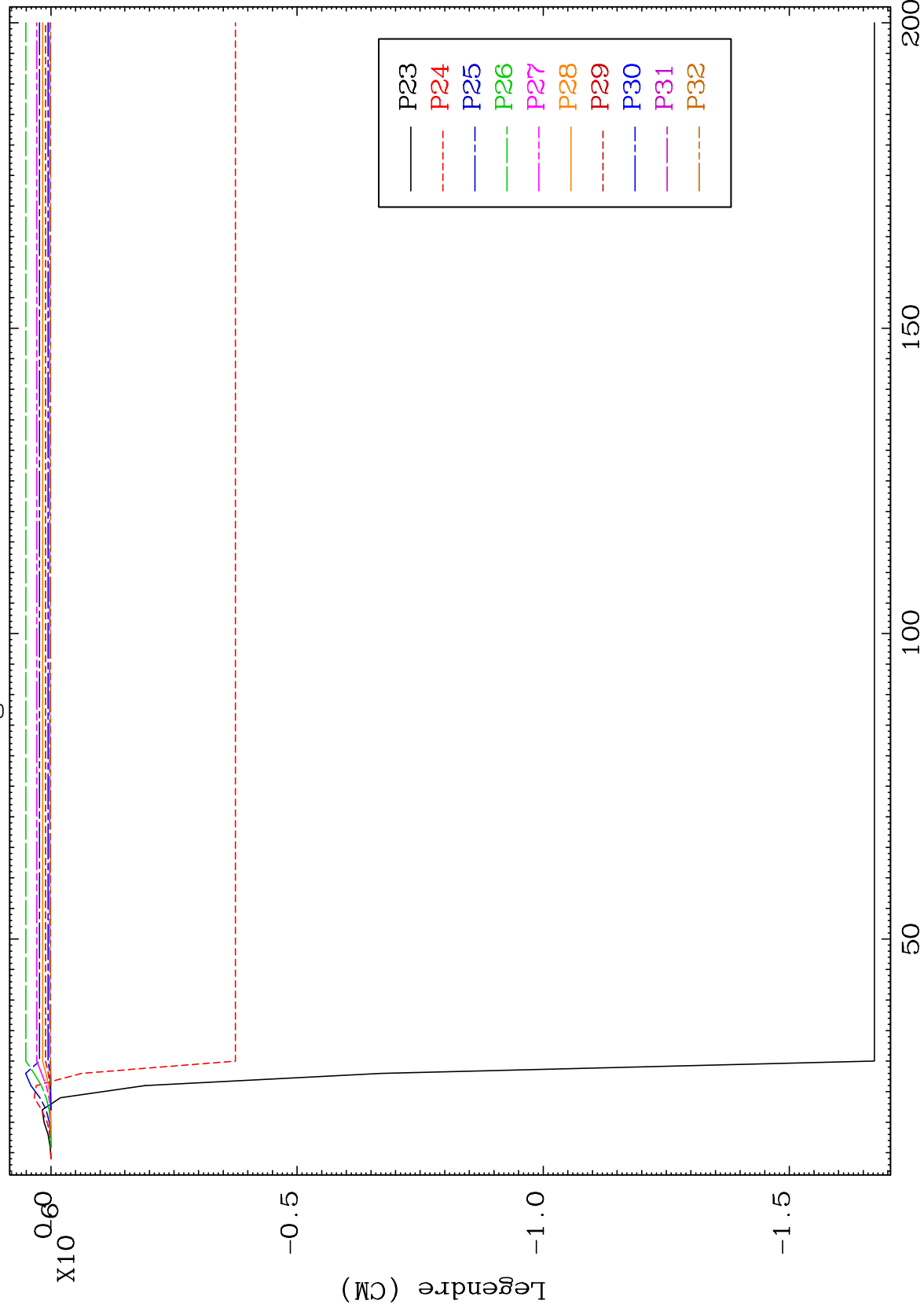
Incident Energy (MeV)

58-Ce-136

MAT 5825

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

58-Ce-136



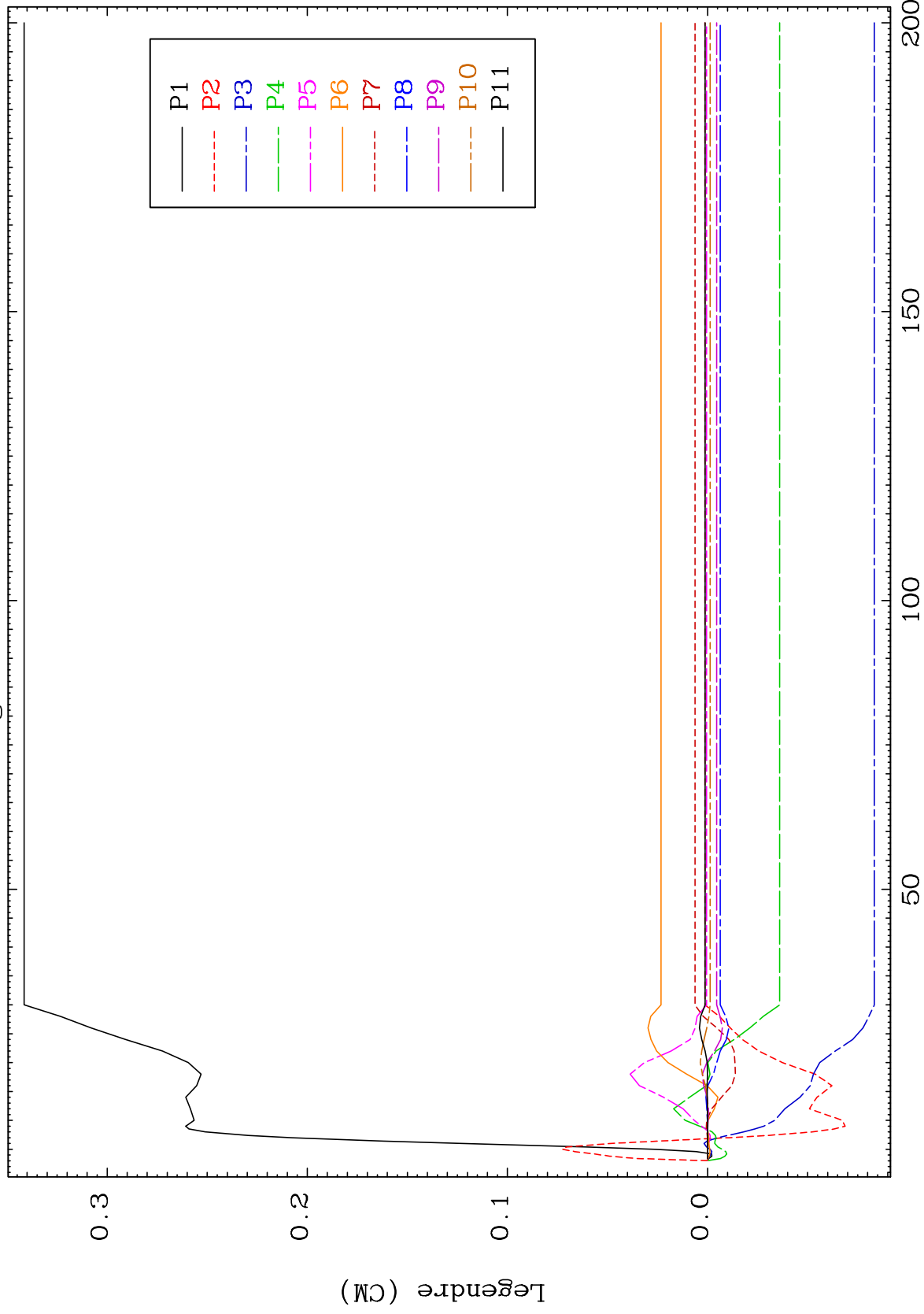
114

58-Ce-136

MAT 5825

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

58-Ce-136



115

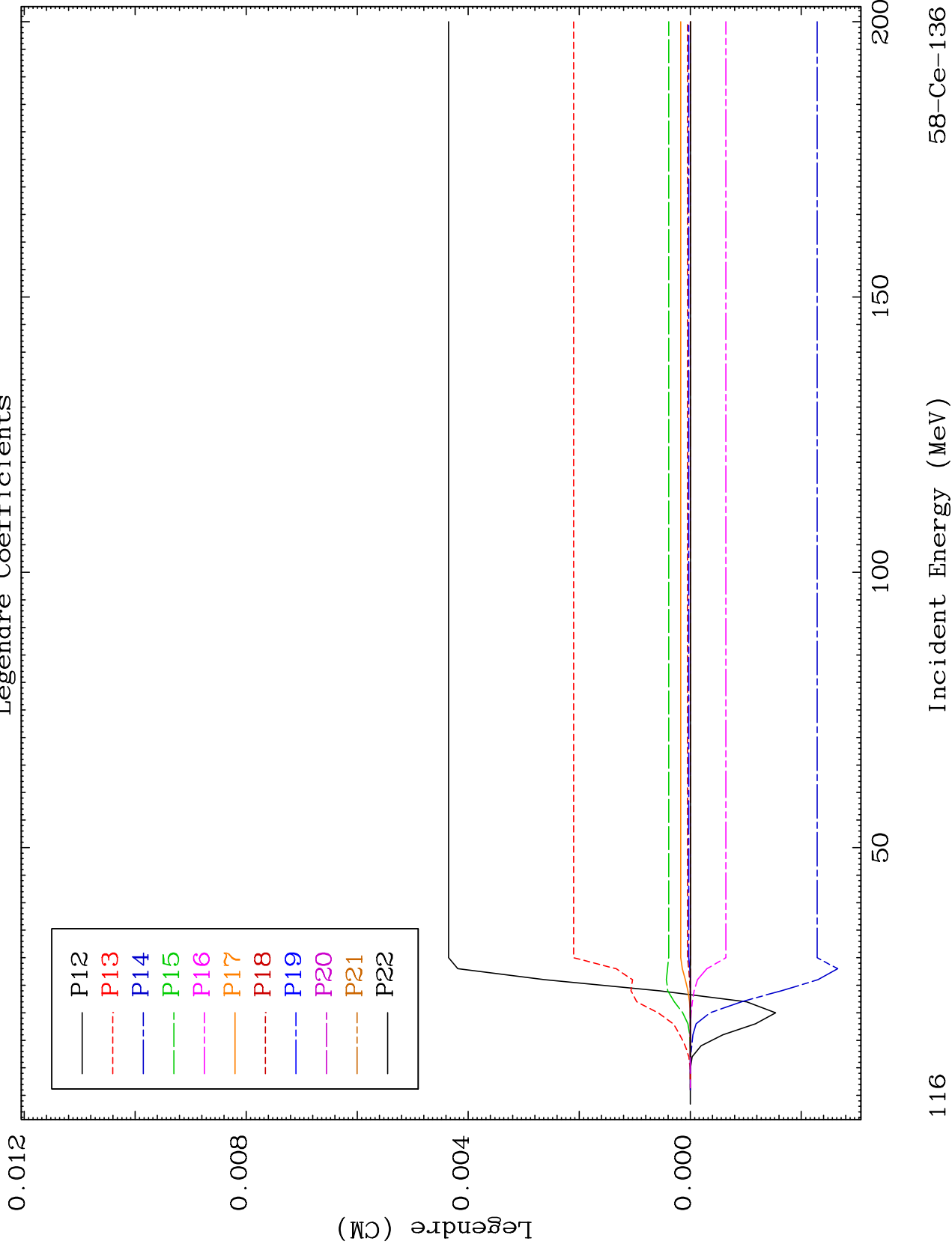
Incident Energy (MeV)

58-Ce-136

MAT 5825

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

58-Ce-136



116

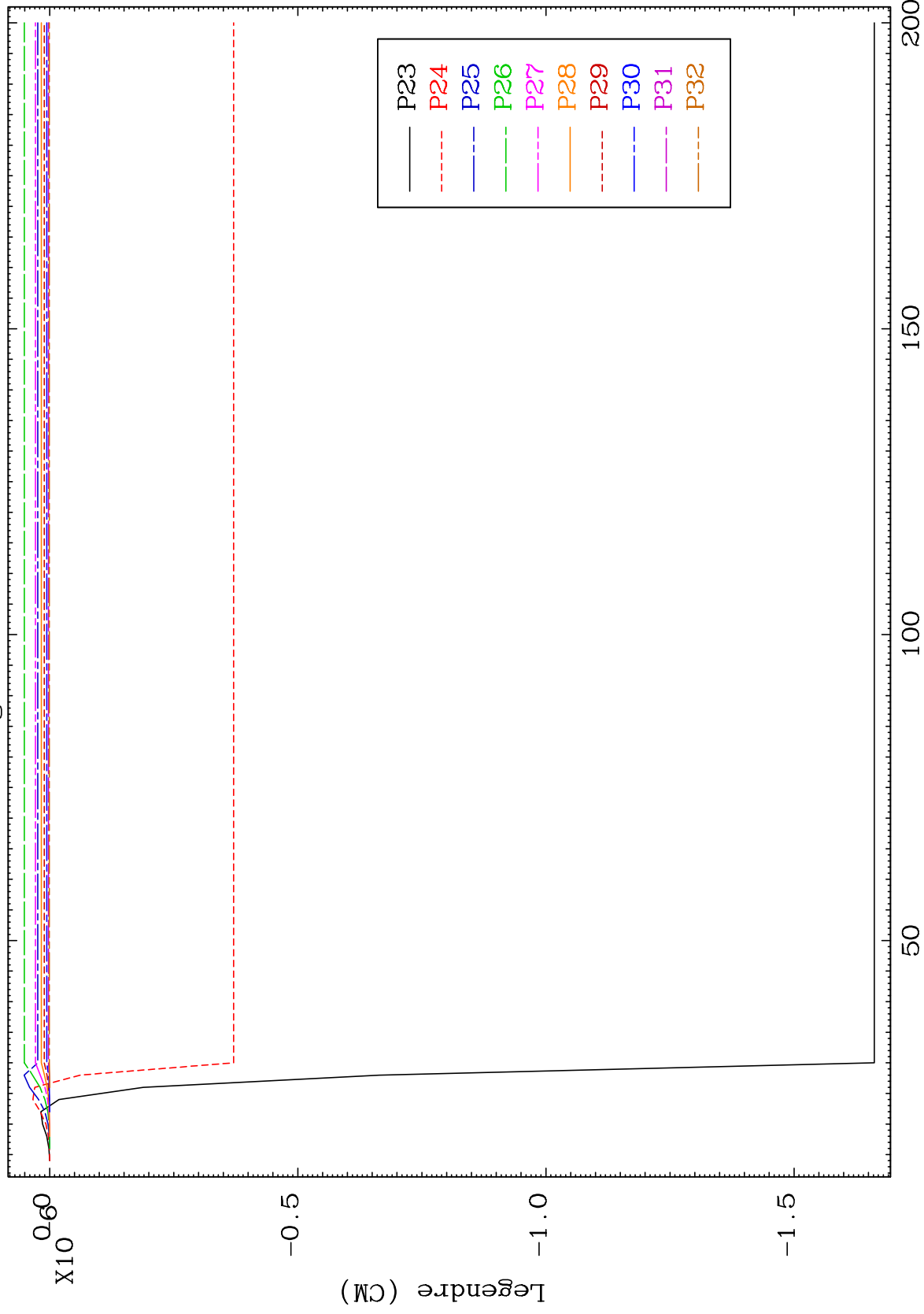
Incident Energy (MeV)

58-Ce-136

MAT 5825

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

58-Ce-136



117

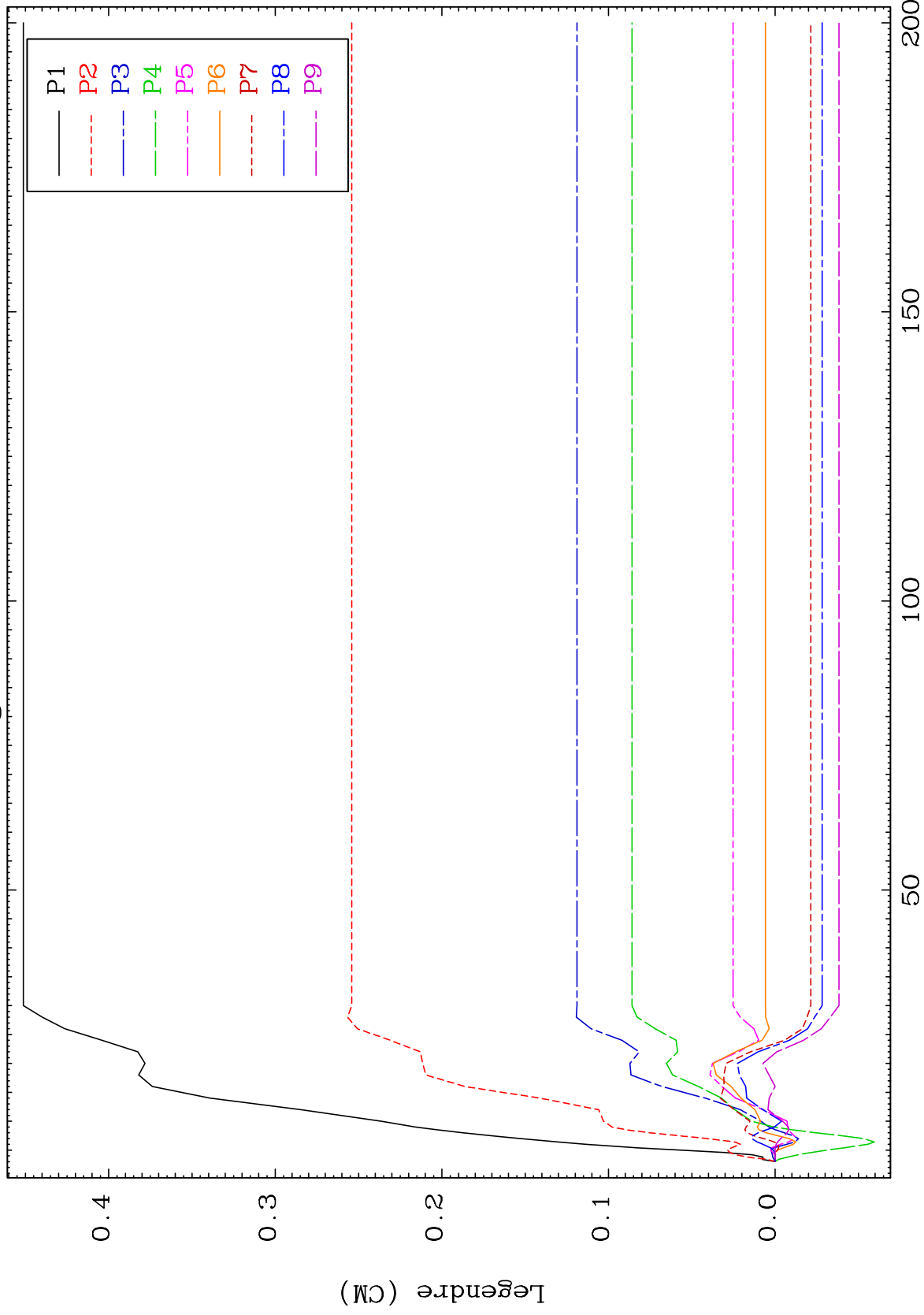
Incident Energy (MeV)

58-Ce-136

MAT 5825

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

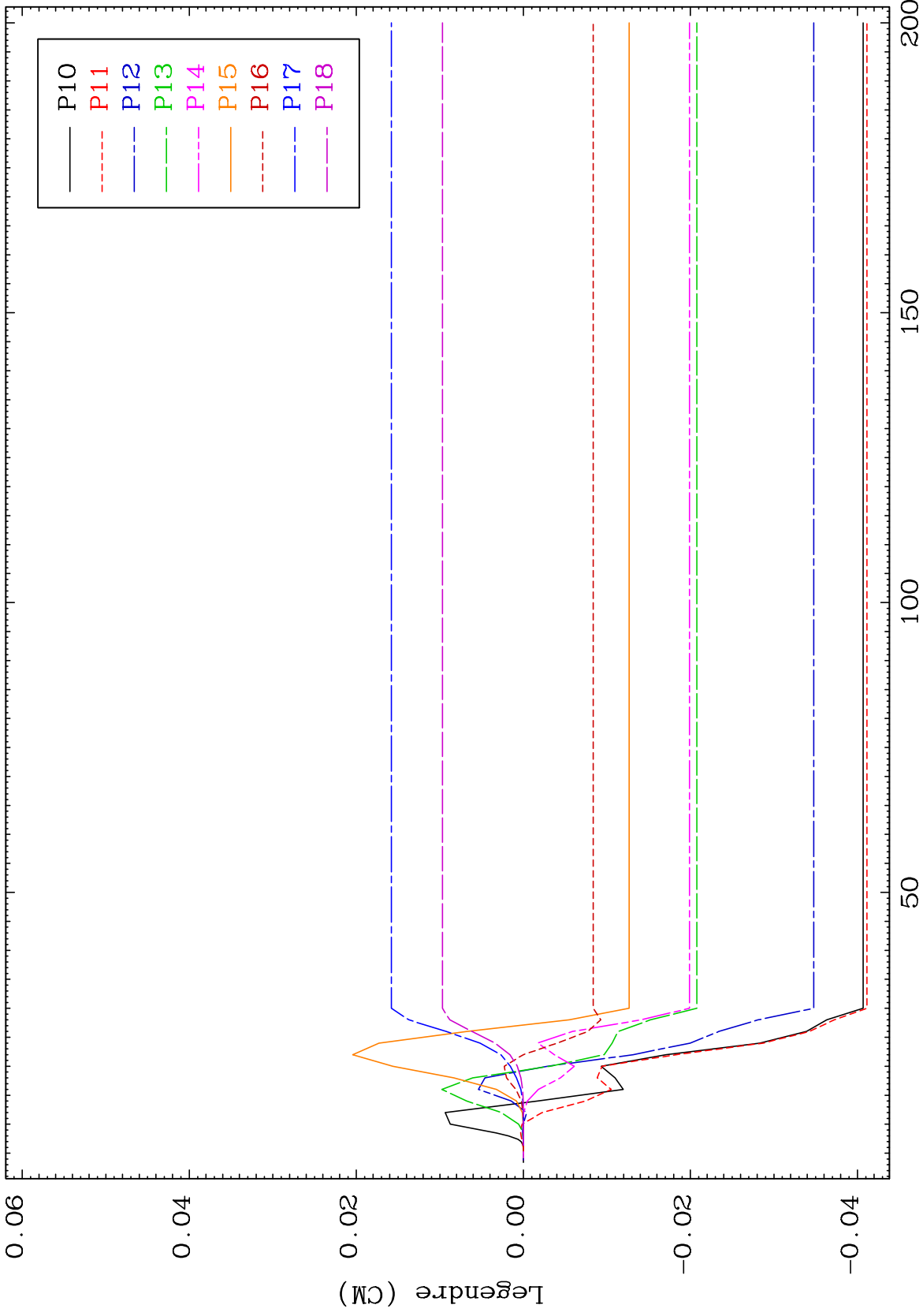
58-Ce-136



118

Incident Energy (MeV)

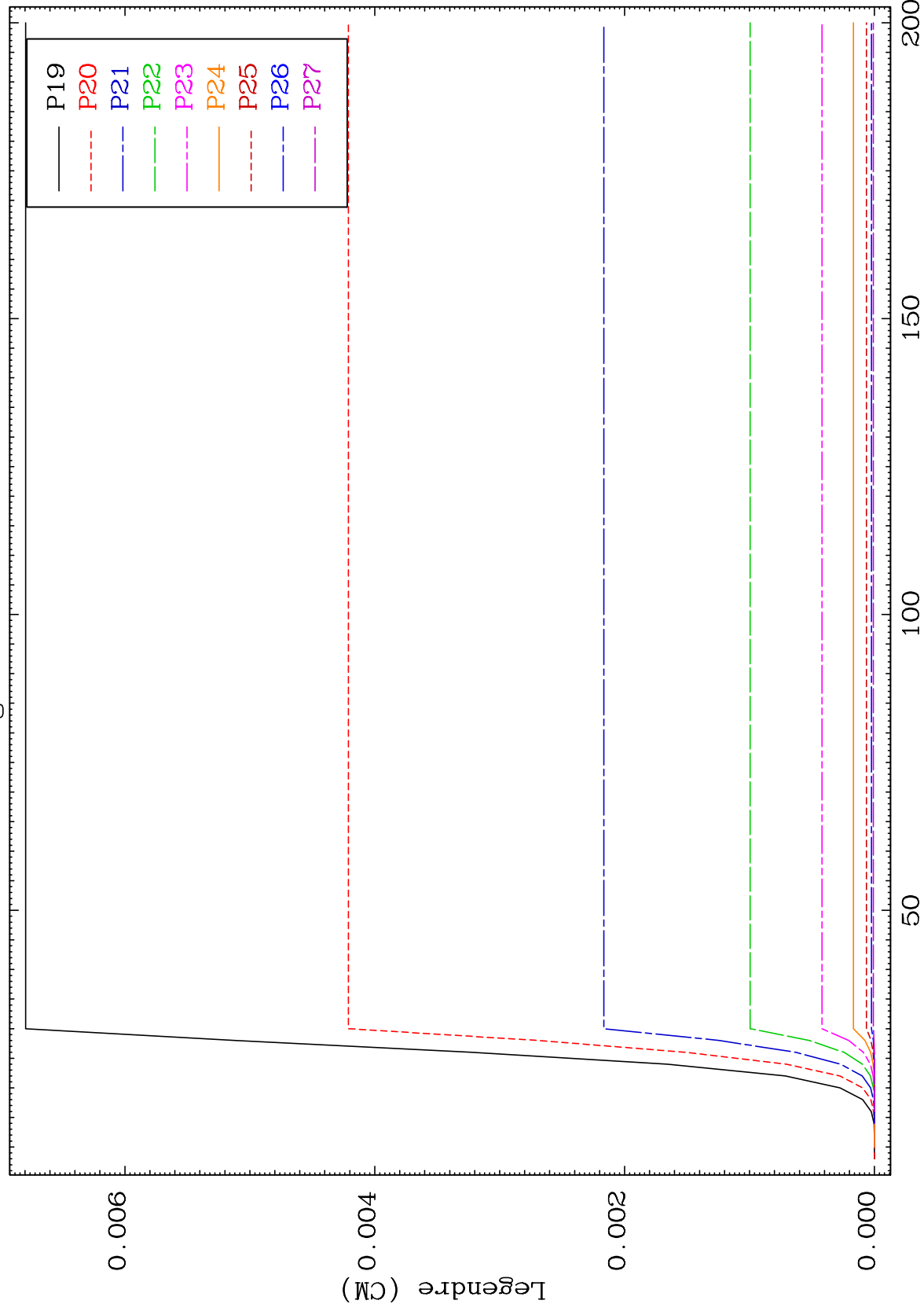
58-Ce-136



MAT 5825

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

58-Ce-136



58-Ce-136

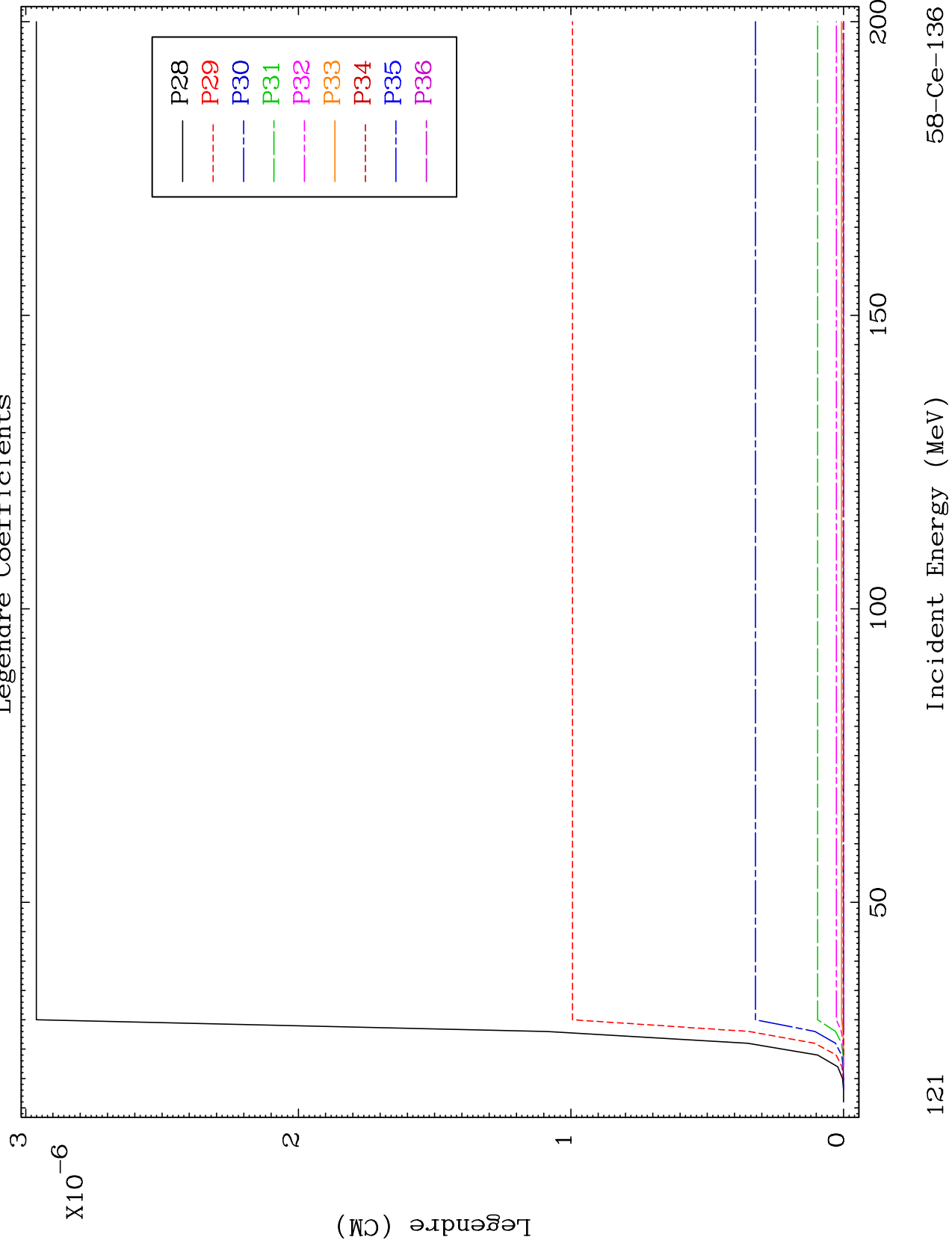
Incident Energy (MeV)

120

MAT 5825

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

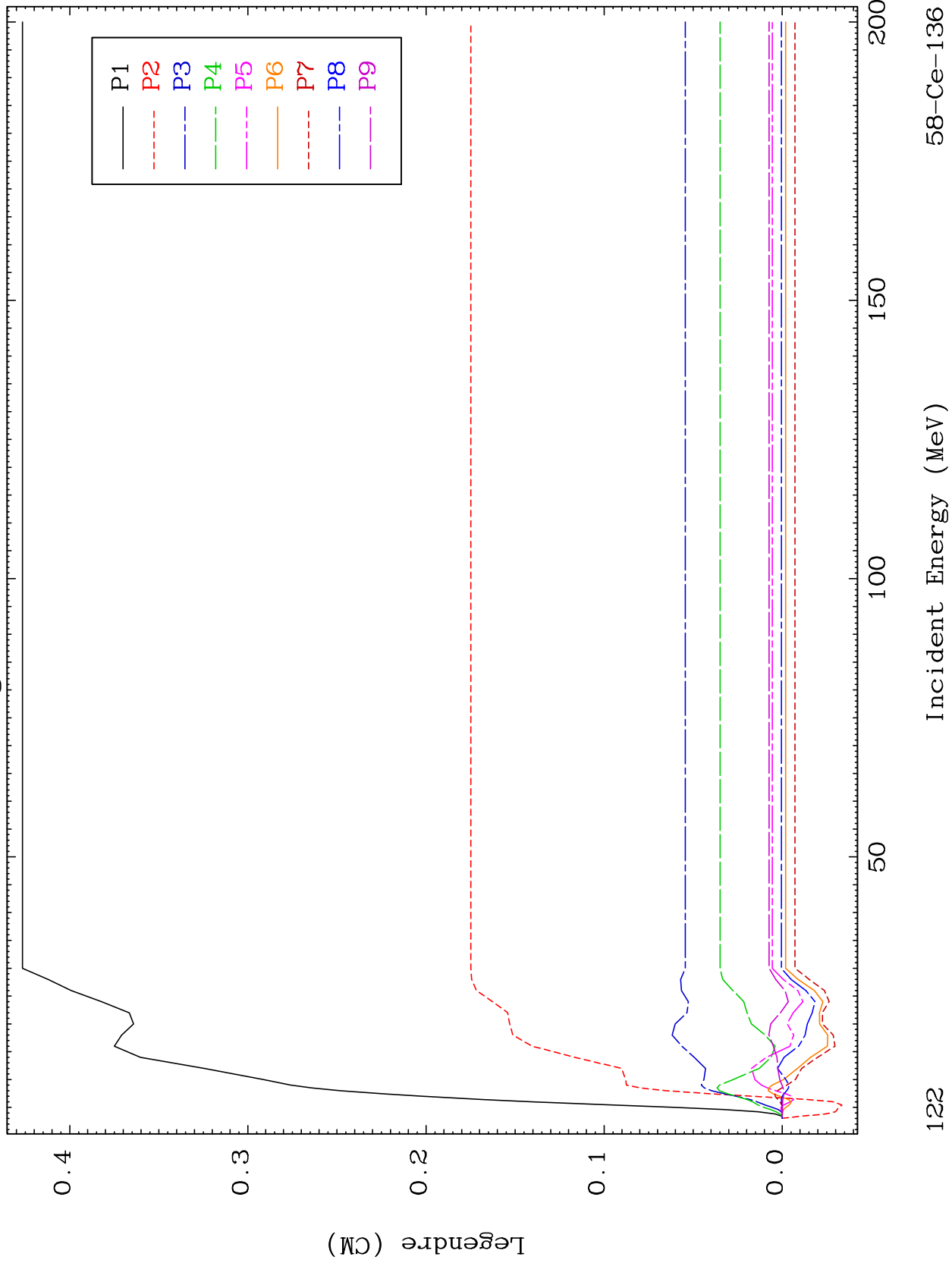
58-Ce-136



MAT 5825

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

58-Ce-136



58-Ce-136

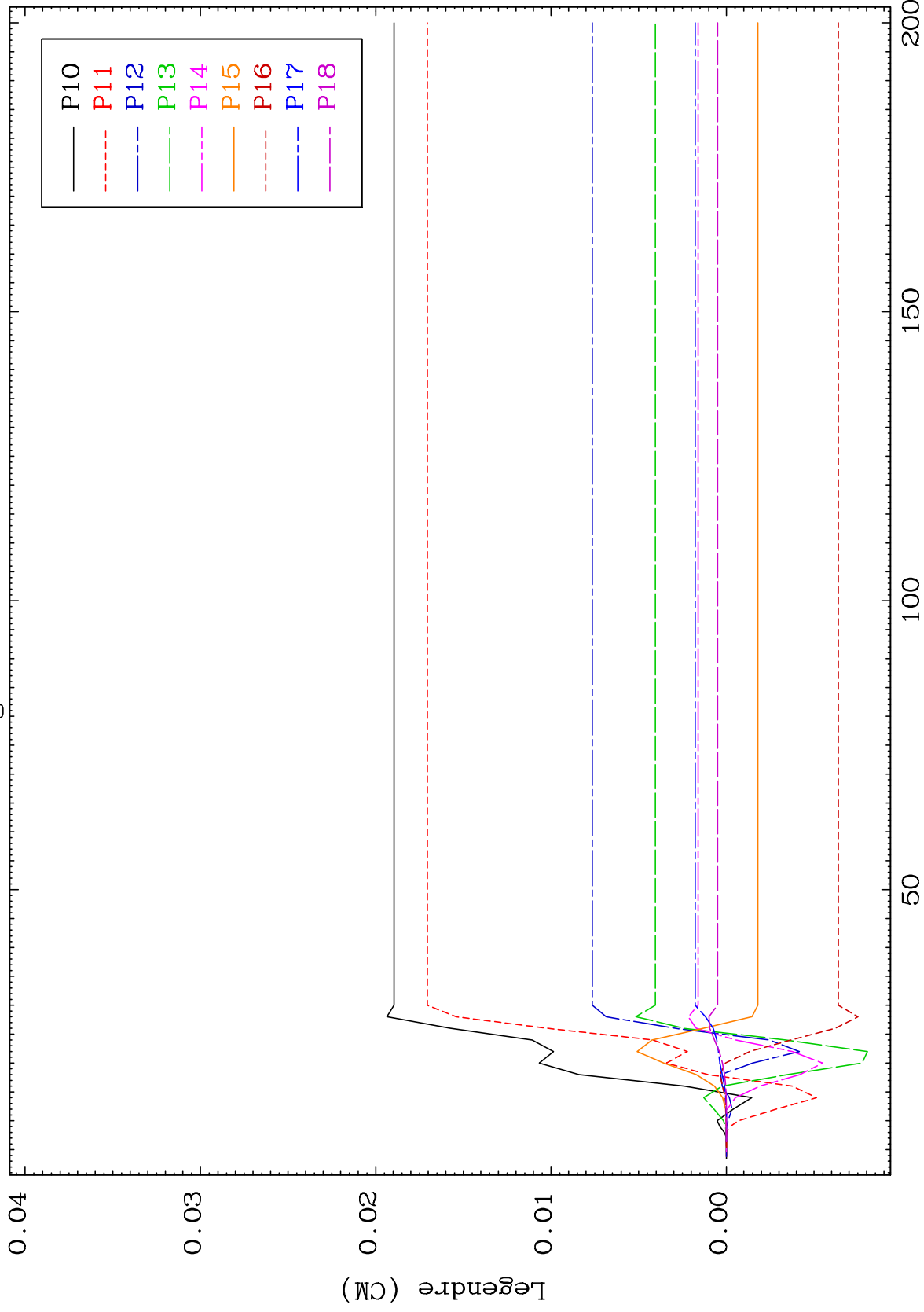
Incident Energy (MeV)

122

MAT 5825

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

58-Ce-136



123

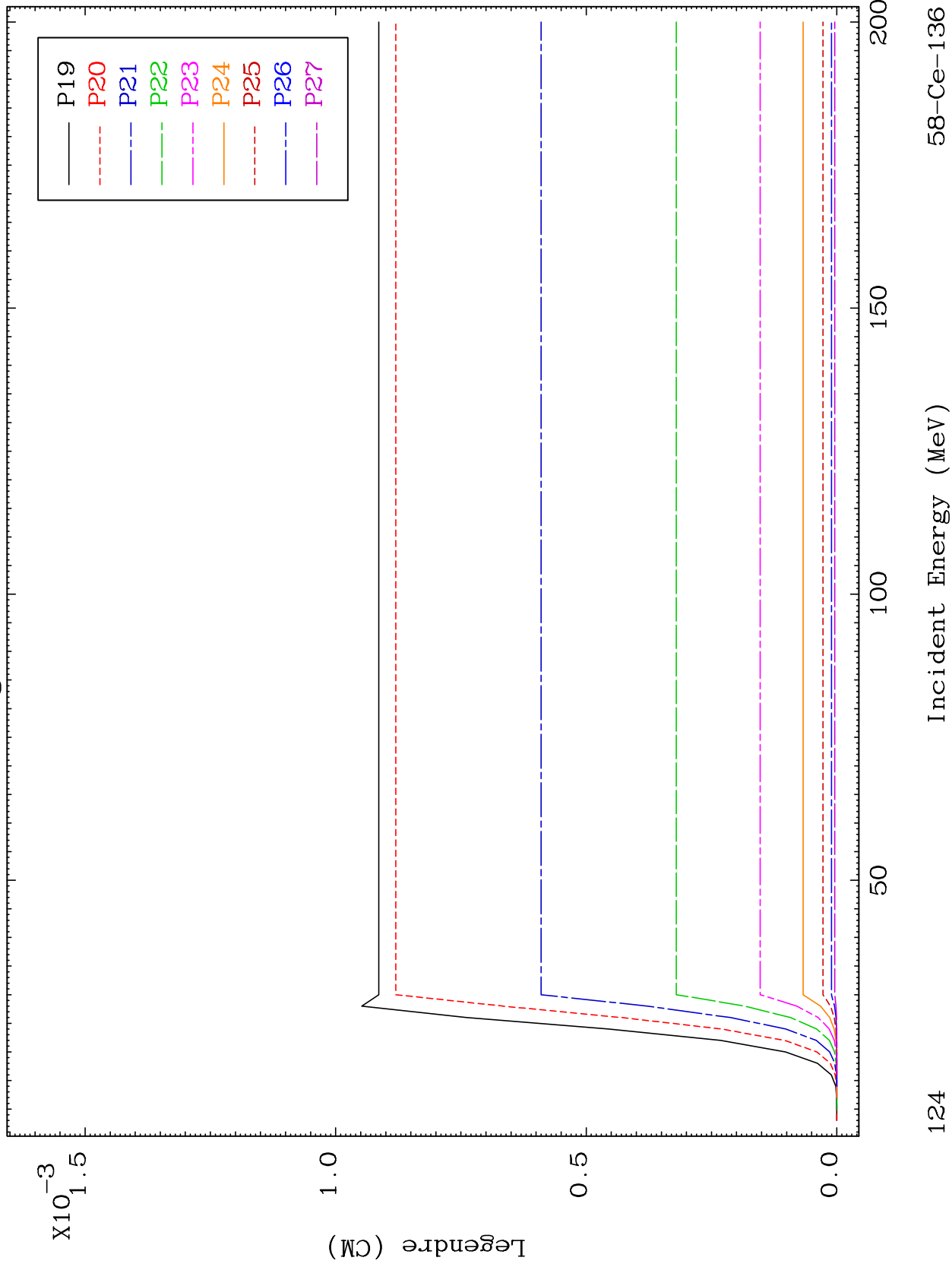
Incident Energy (MeV)

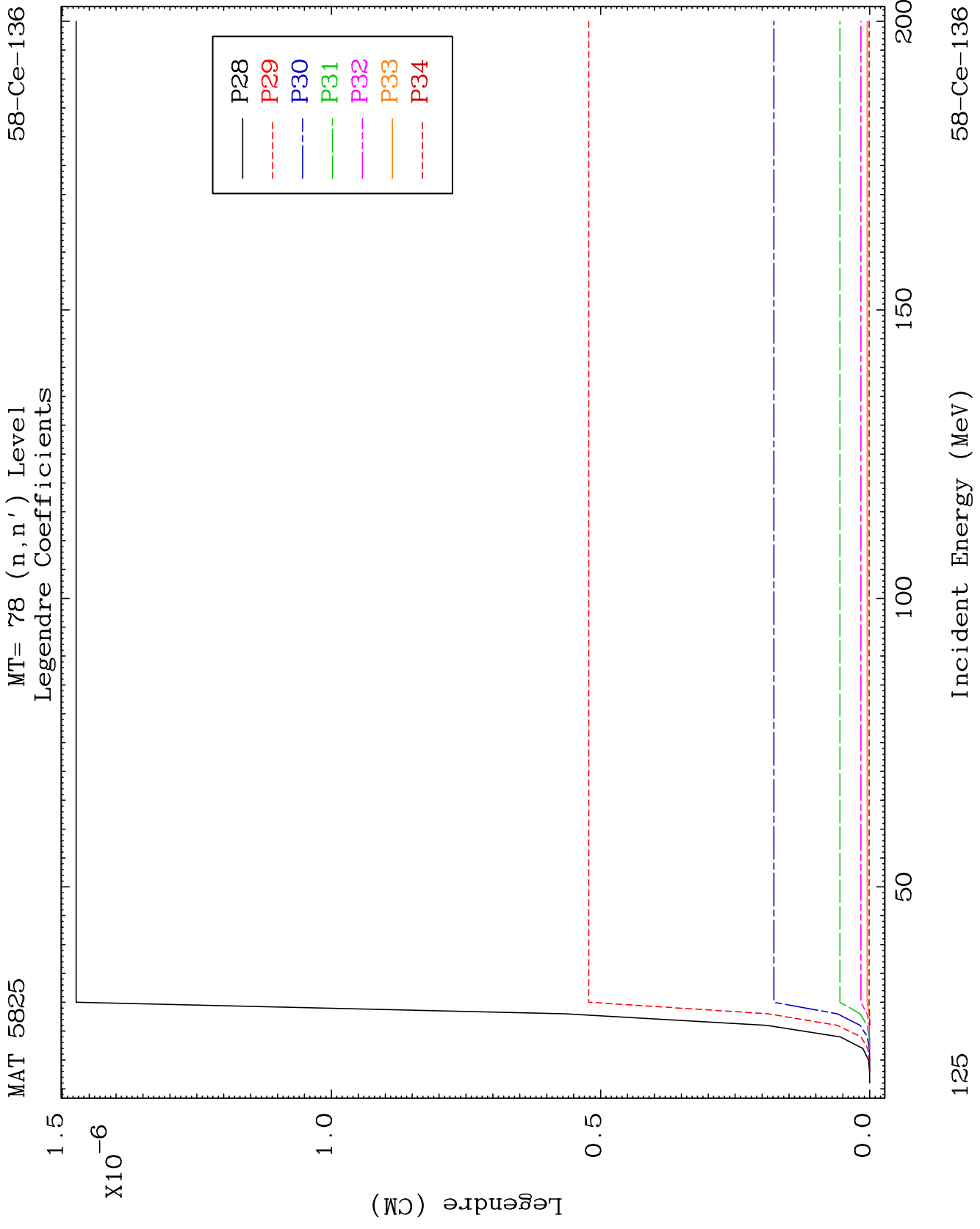
58-Ce-136

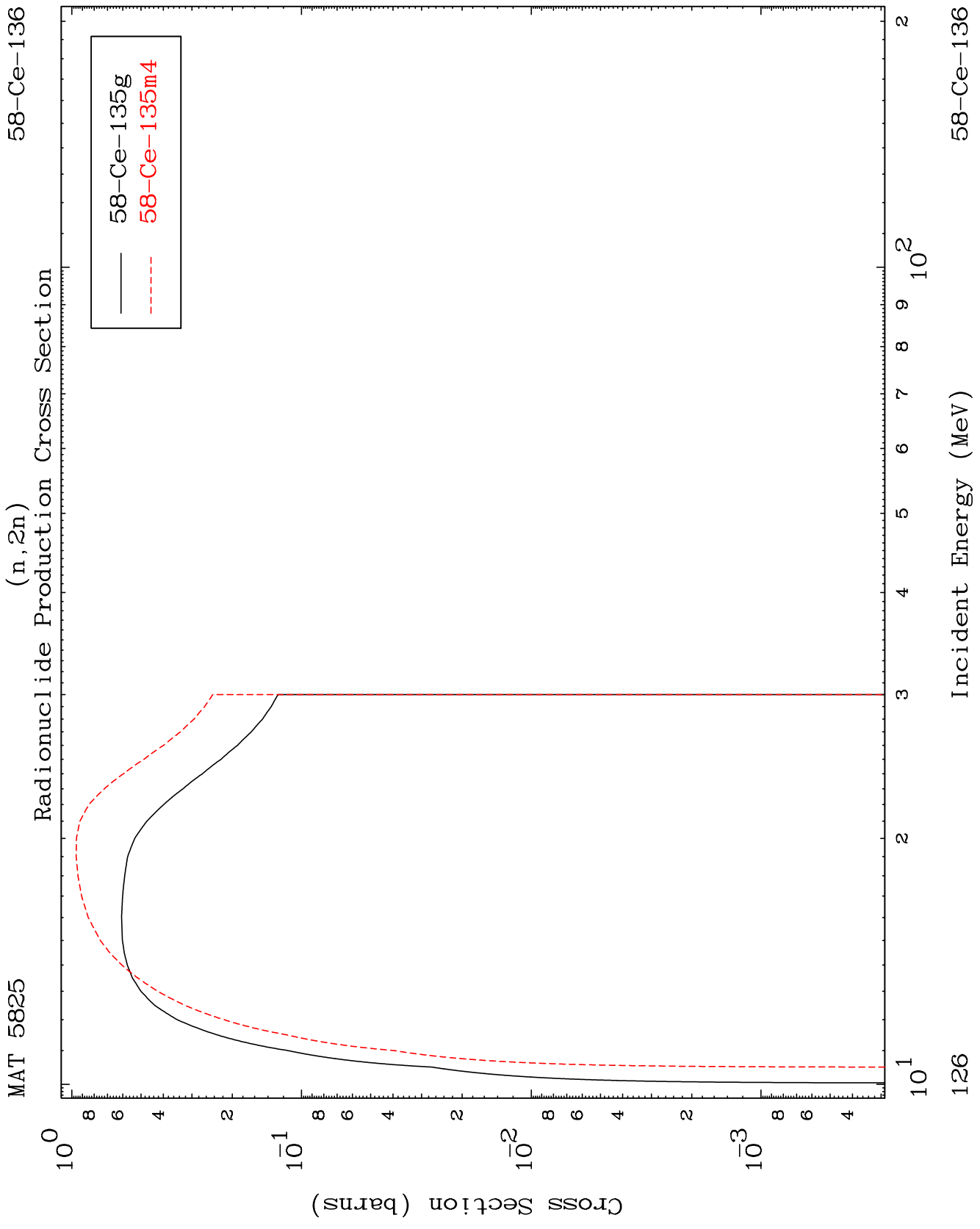
MAT 5825

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

58-Ce-136





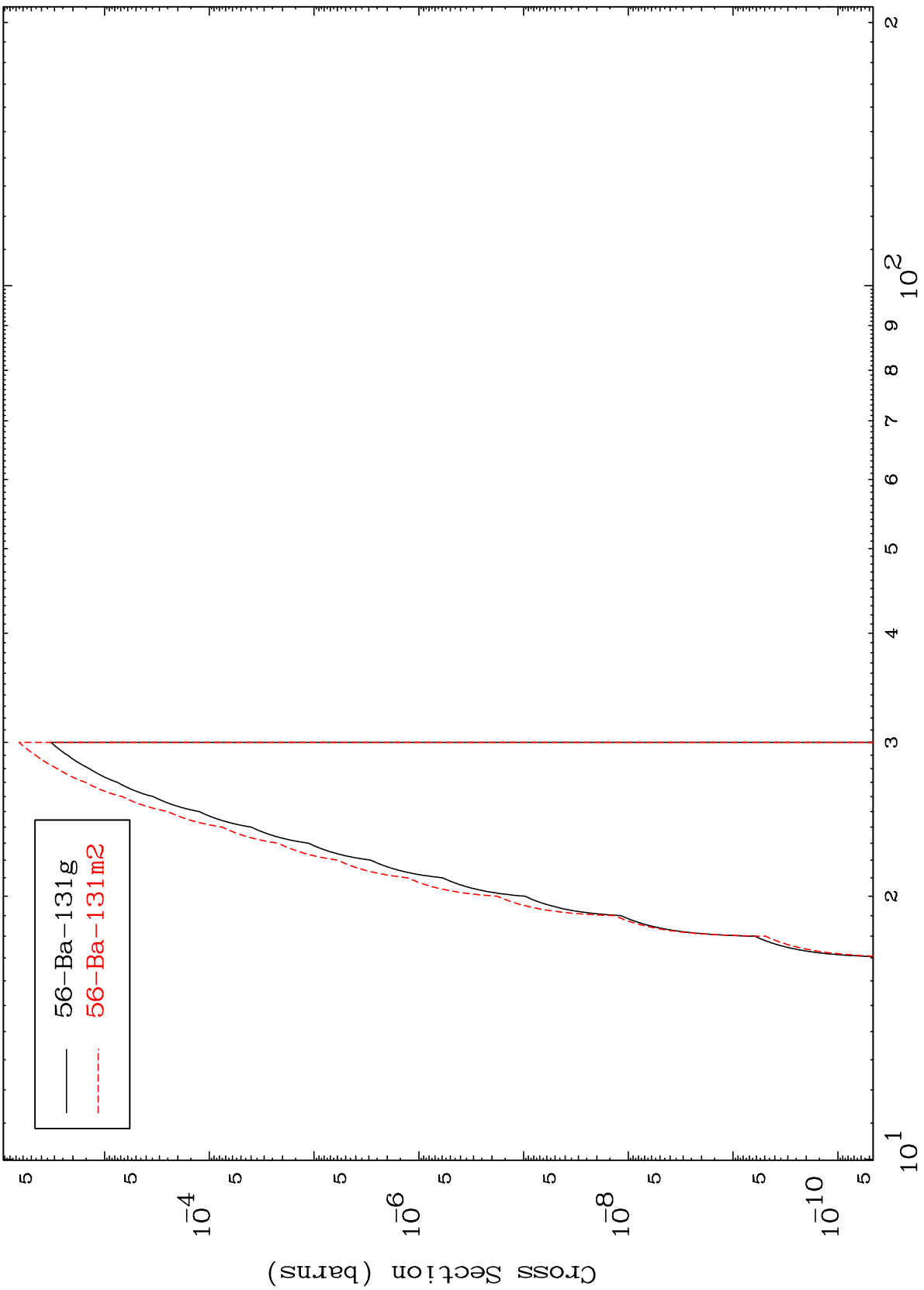


MAT 5825

(n,2n)  $\alpha$

58-Ce-136

Radionuclide Production Cross Section

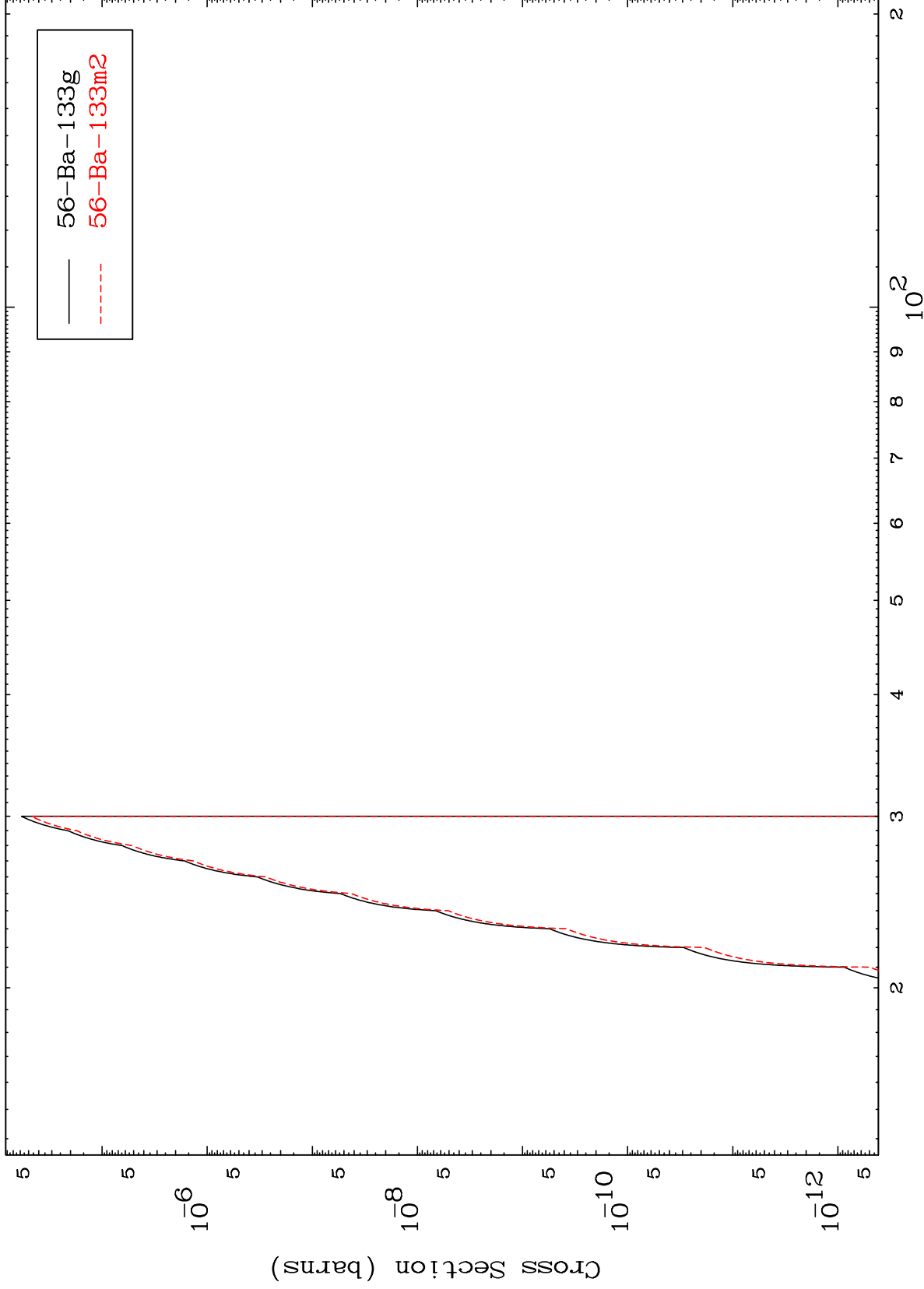


127

Incident Energy (MeV)

58-Ce-136

Radionuclide Production Cross Section

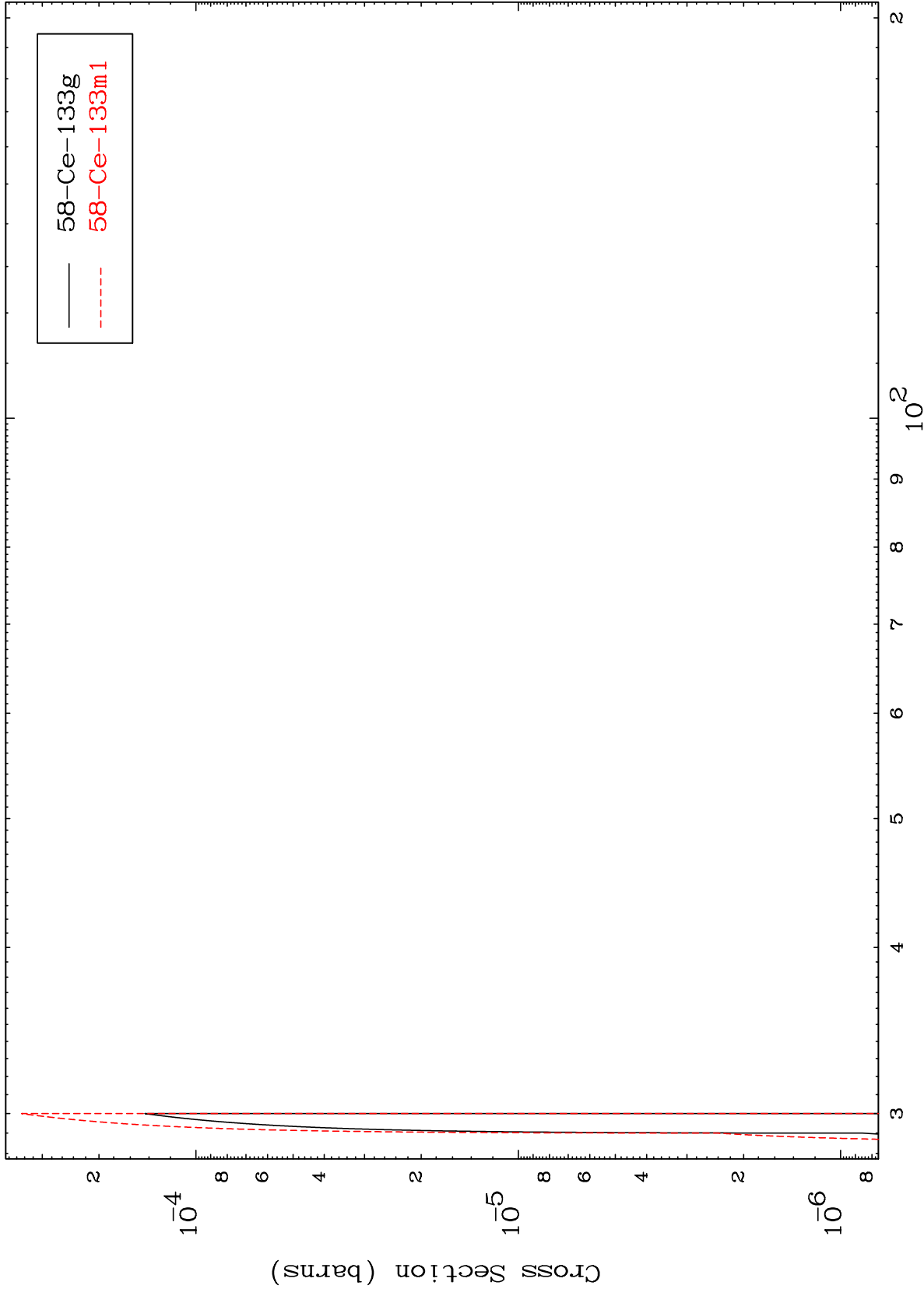


MAT 5825

(n,4n)

58-Ce-136

Radionuclide Production Cross Section



129

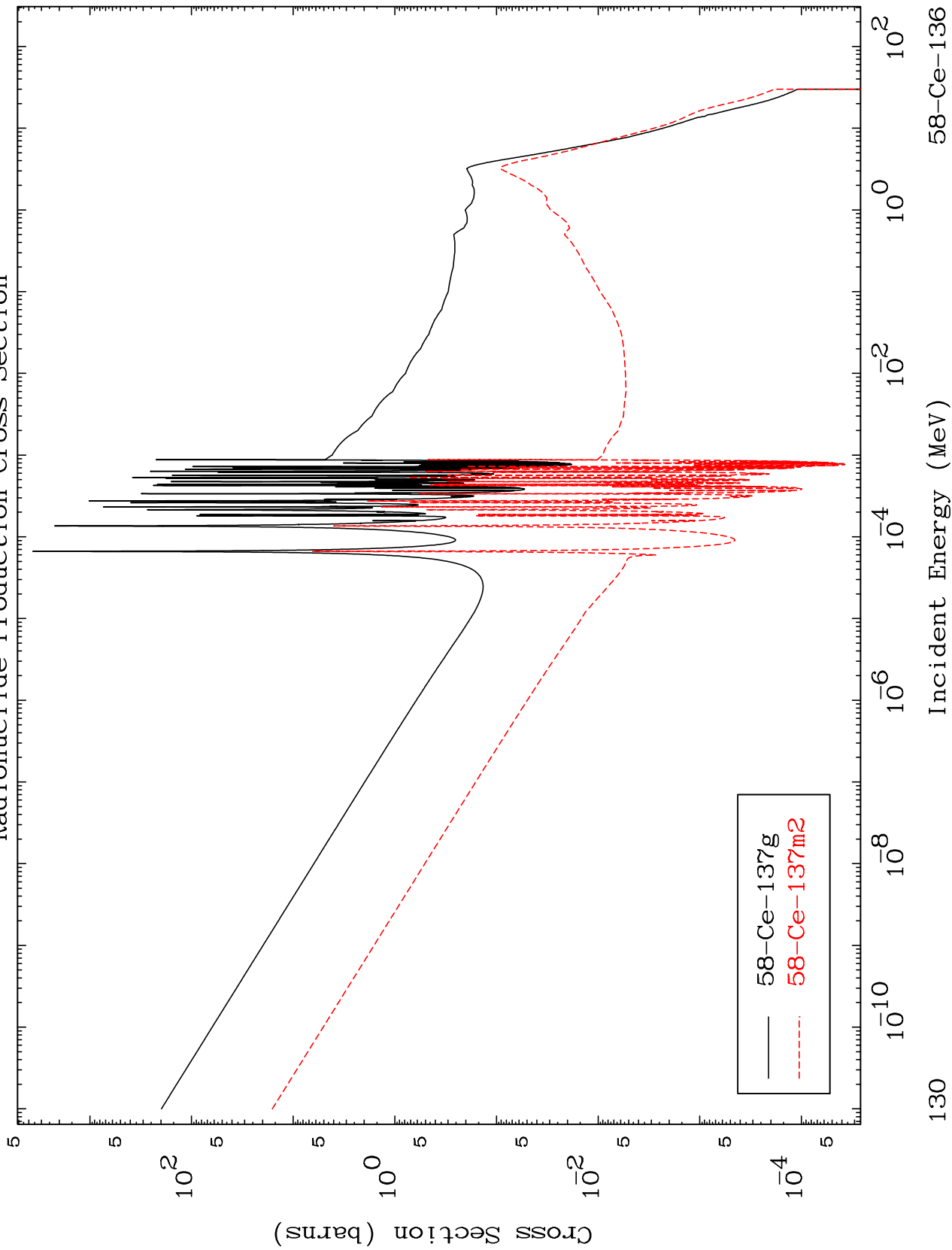
Incident Energy (MeV)

58-Ce-136

MAT 5825

58-Ce-136

$(n, \gamma)$   
Radionuclide Production Cross Section

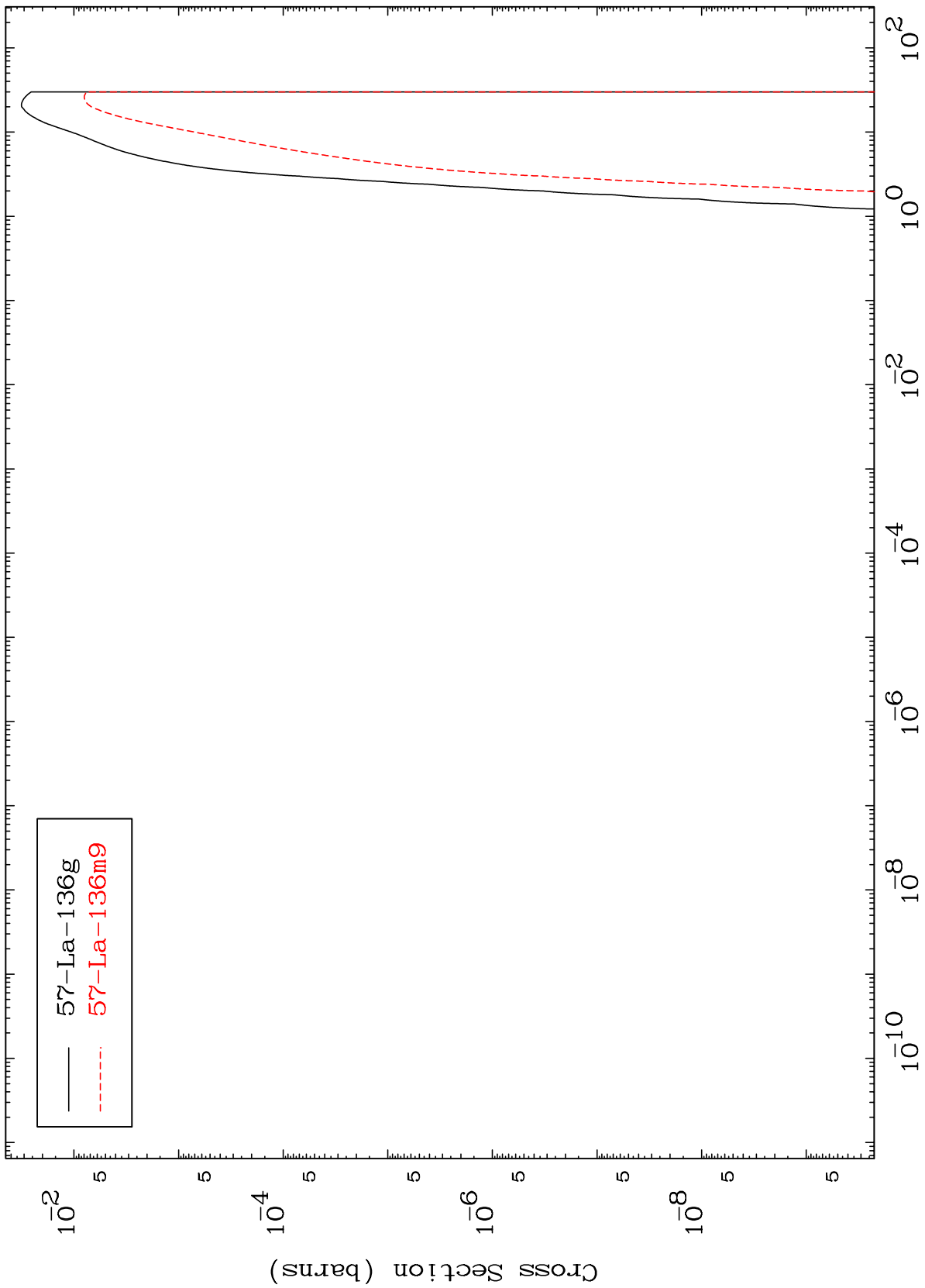


MAT 5825

(n,p)

58-Ce-136

Radionuclide Production Cross Section



131

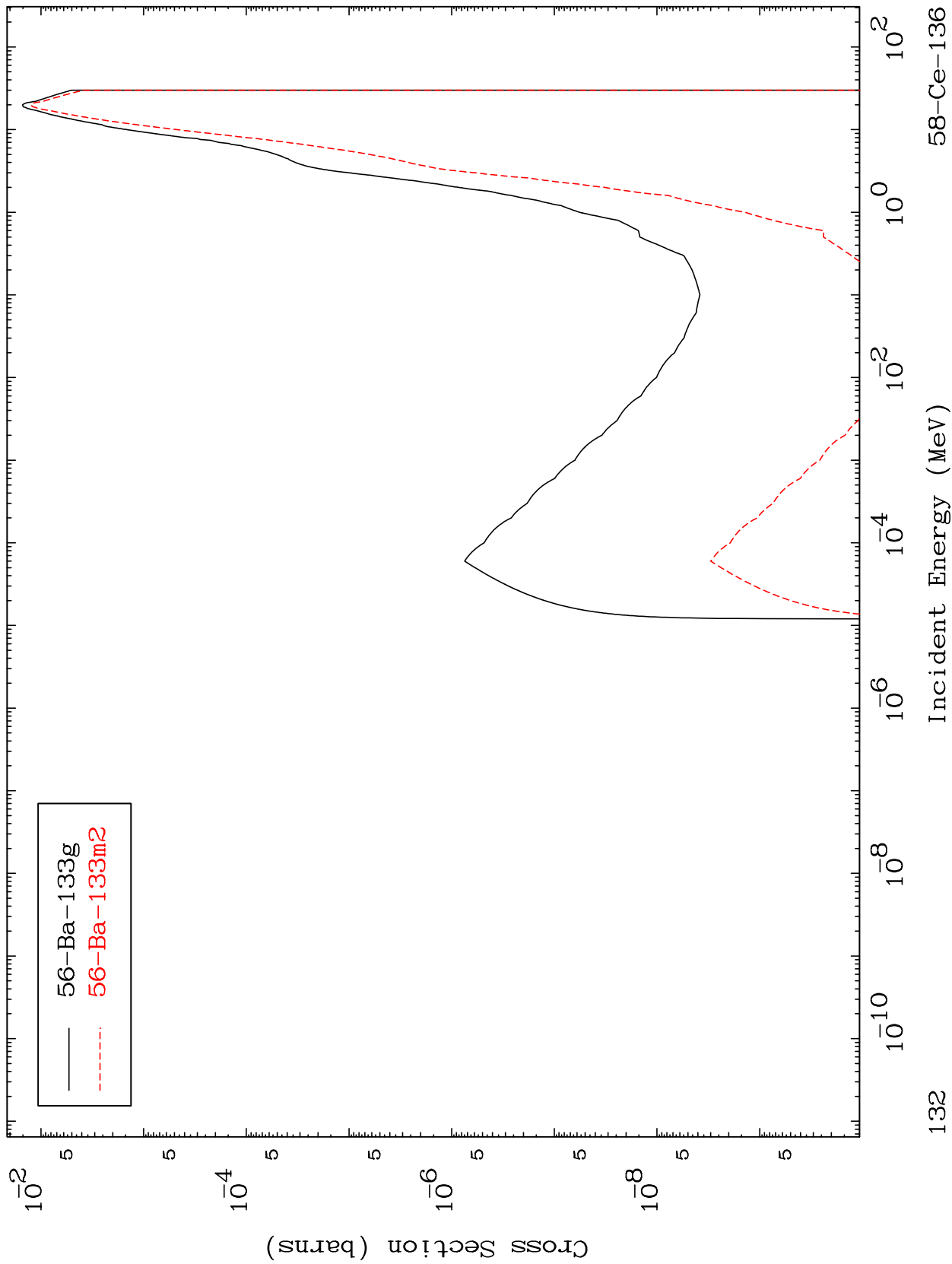
Incident Energy (MeV)

58-Ce-136

MAT 5825

58-Ce-136

(n,  $\alpha$ )  
Radionuclide Production Cross Section



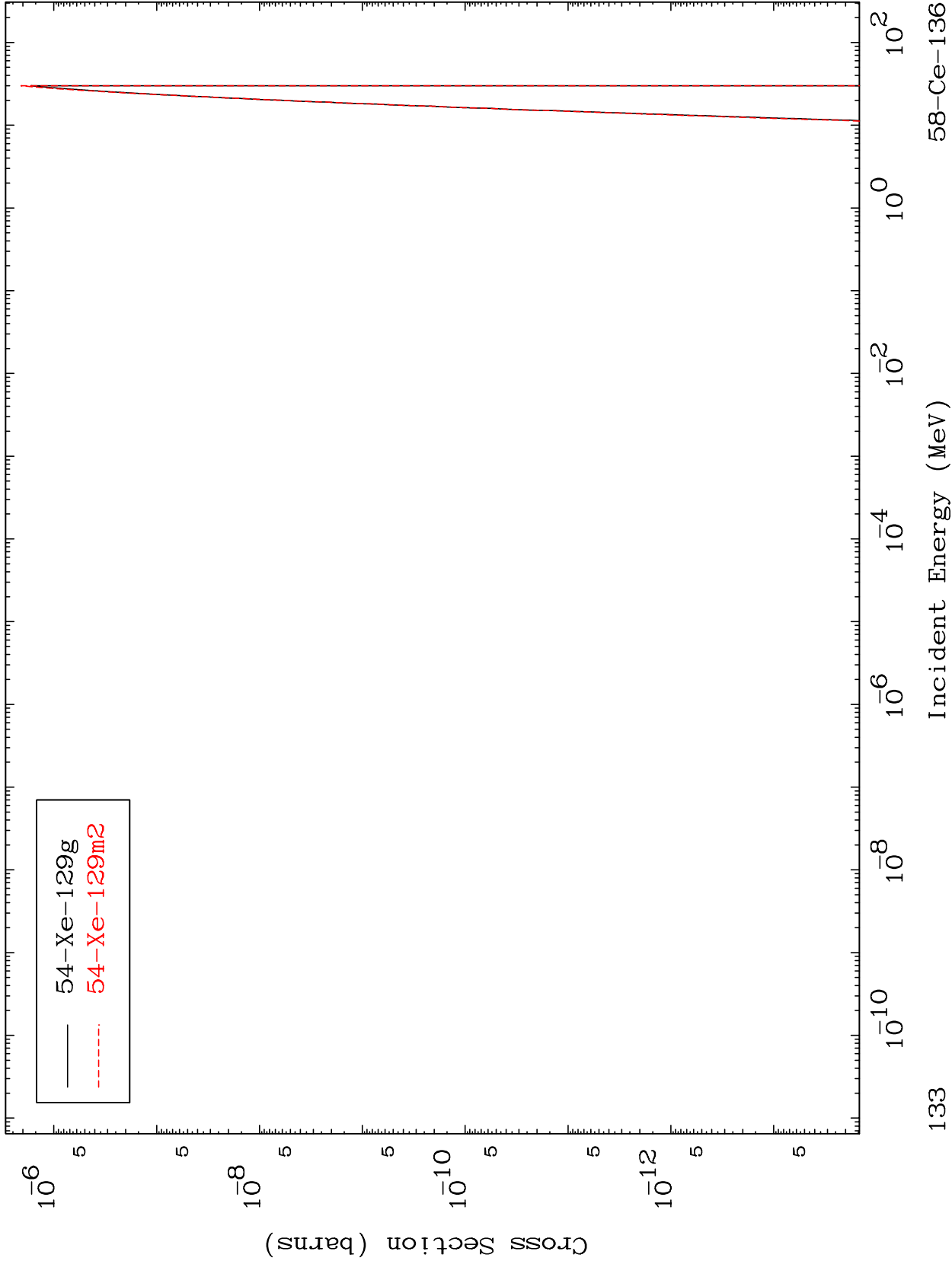
132

MAT 5825

(n,2α)

58-Ce-136

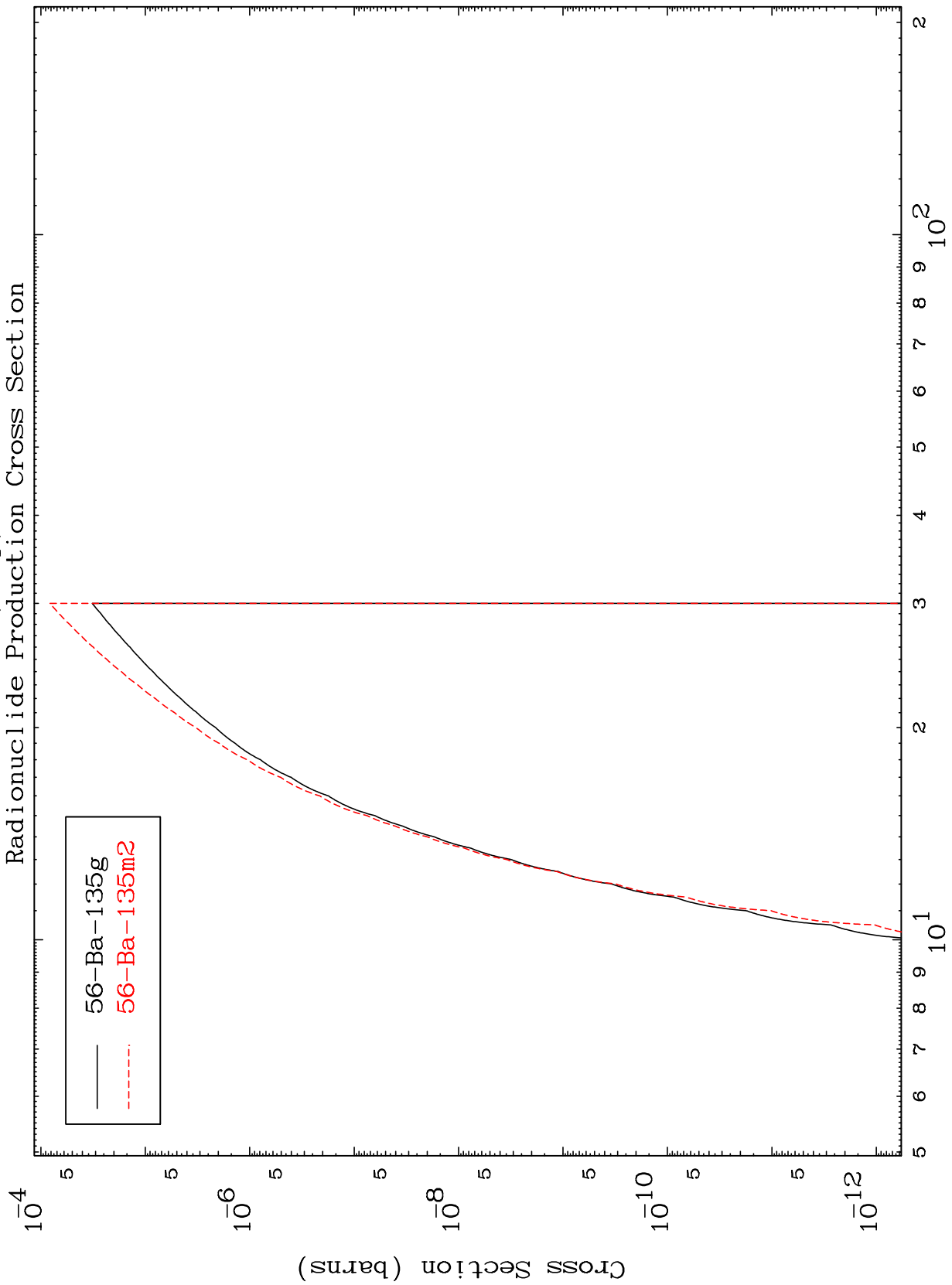
Radionuclide Production Cross Section



MAT 5825

58-Ce-136

(n,2p)  
Radionuclide Production Cross Section



56-Ba-135g  
56-Ba-135m2

58-Ce-136

Incident Energy (MeV)

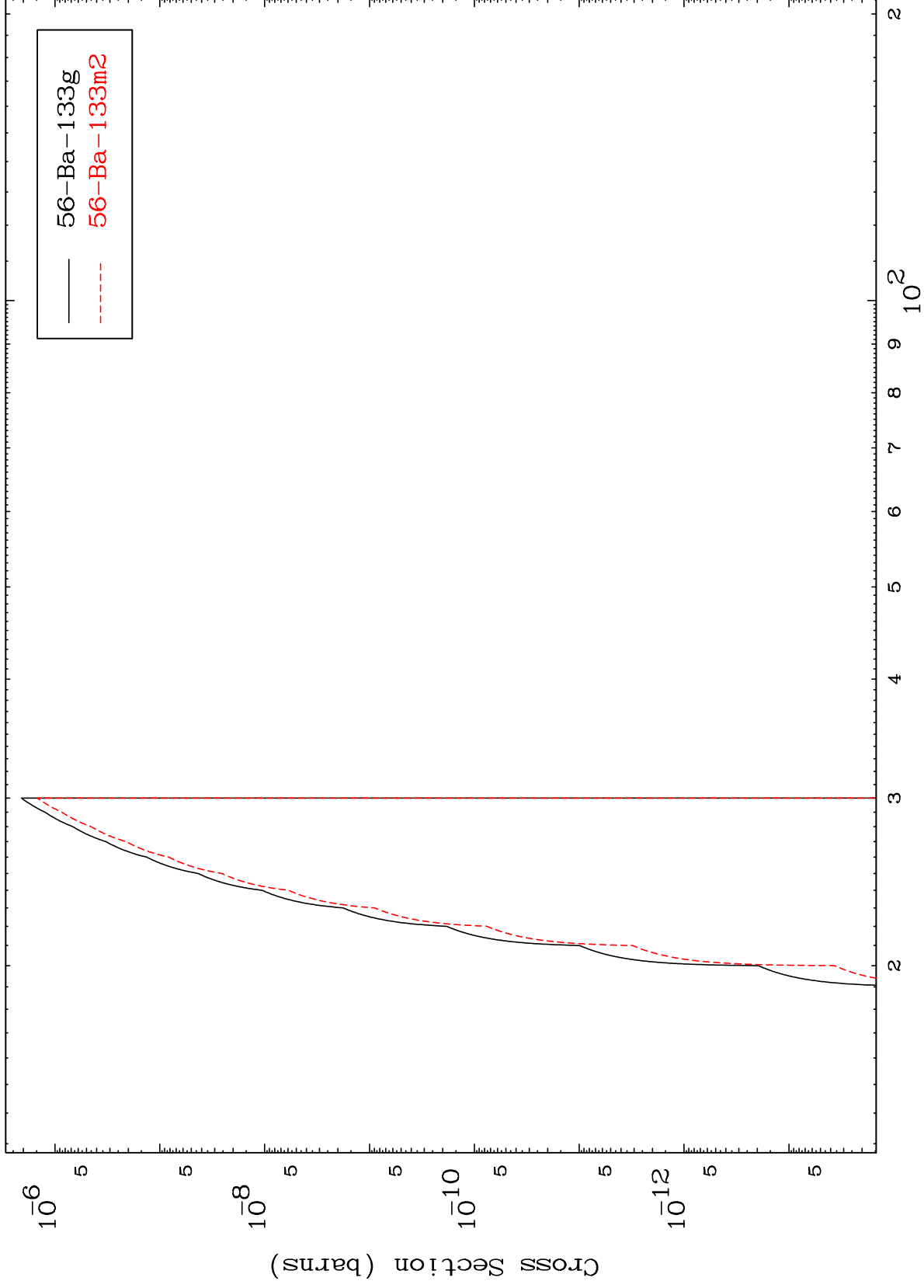
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58-Ce-136

Radionuclide Production Cross Section



135

Incident Energy (MeV)

58-Ce-136