

Program EVALPLOT  
(Version 2018-1)

by

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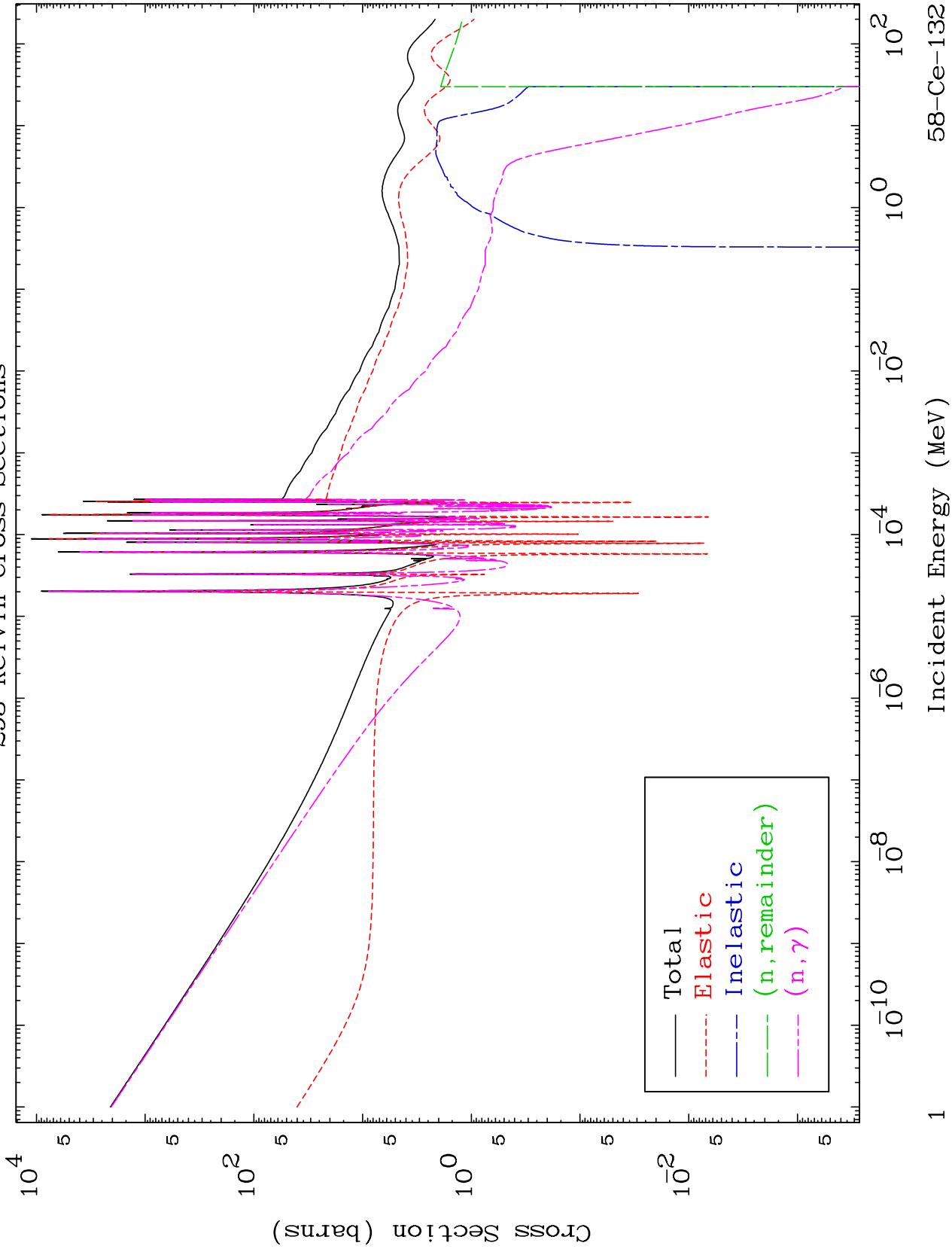
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5813

Major  
293 Kelvin Cross Sections

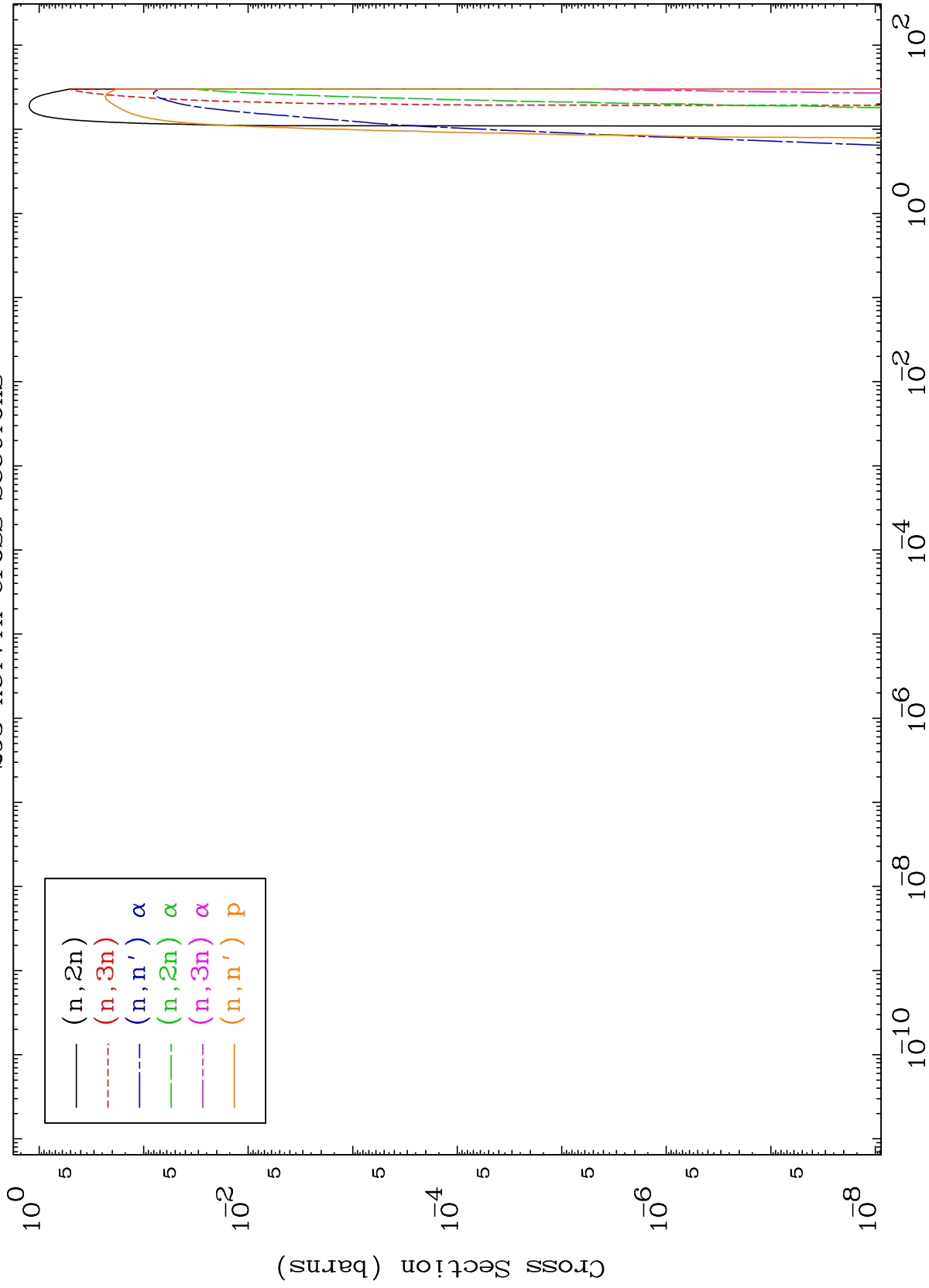
58-Ce-132



MAT 5813

Neutron Production  
293 Kelvin Cross Sections

58-Ce-132



2

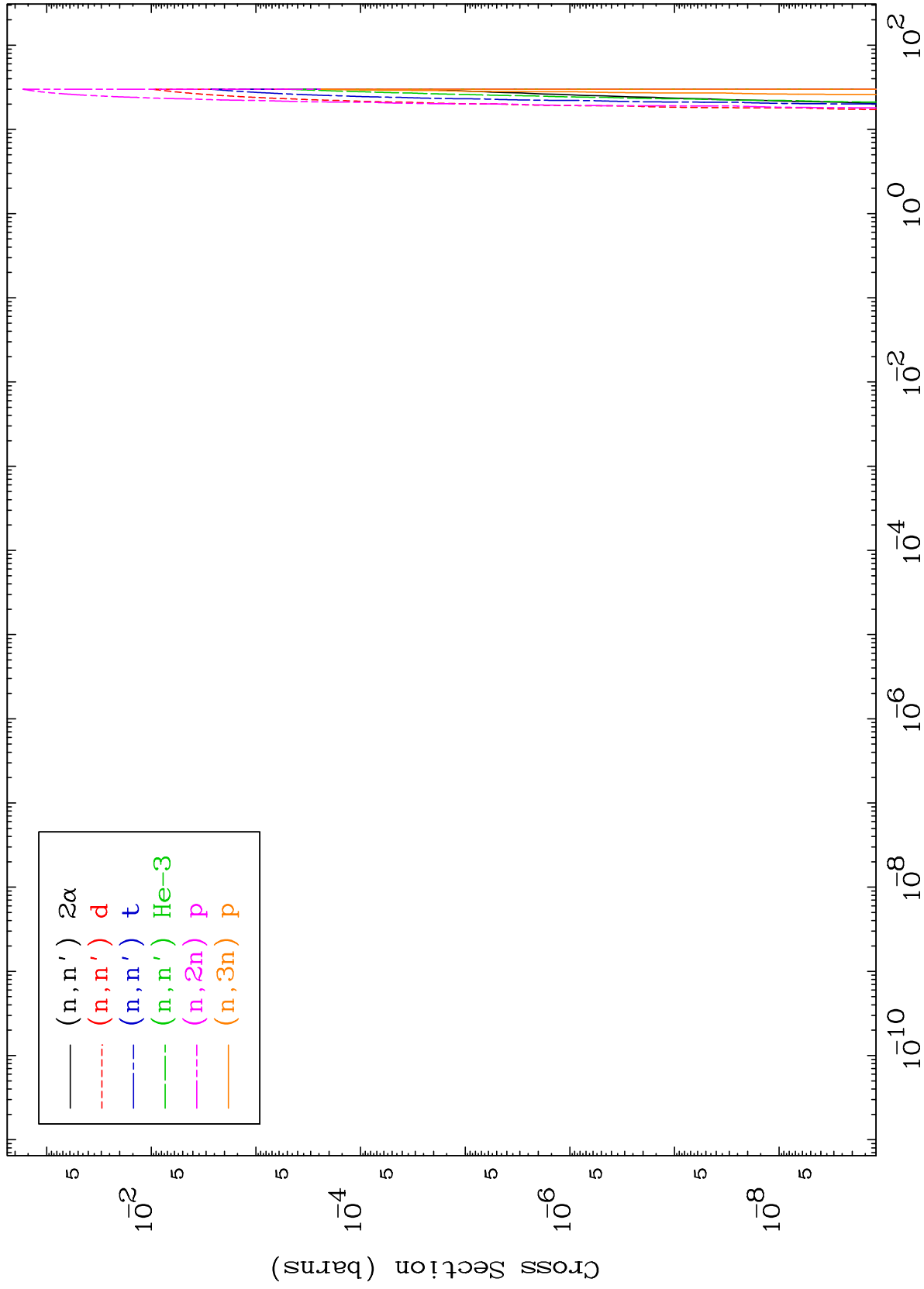
Incident Energy (MeV)

58-Ce-132

MAT 5813

Neutron Production  
293 Kelvin Cross Sections

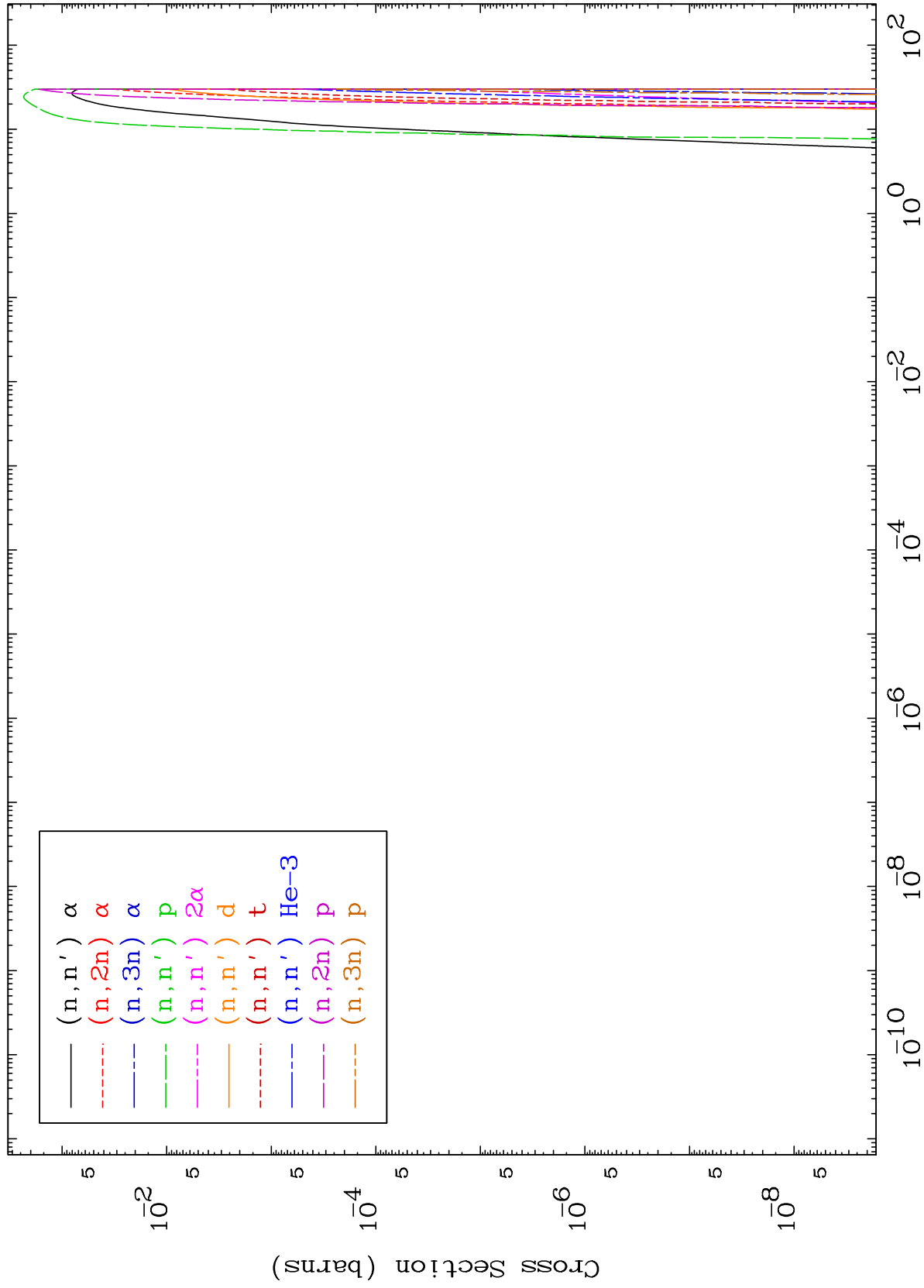
58-Ce-132



MAT 5813

Charged Particle  
293 Kelvin Cross Sections

58-Ce-132



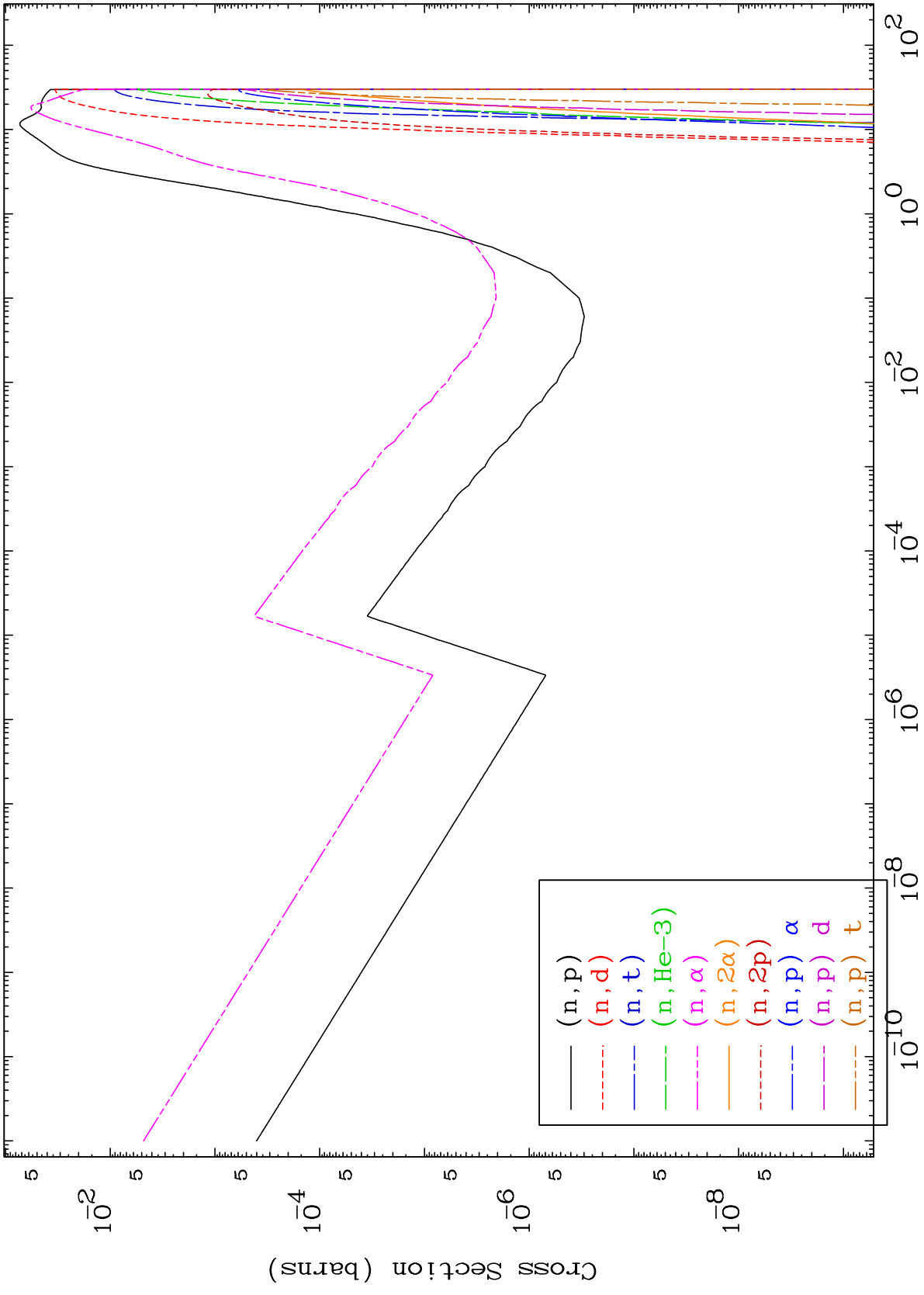
58-Ce-132

Incident Energy (MeV)

MAT 5813

Charged Particle  
293 Kelvin Cross Sections

58-Ce-132

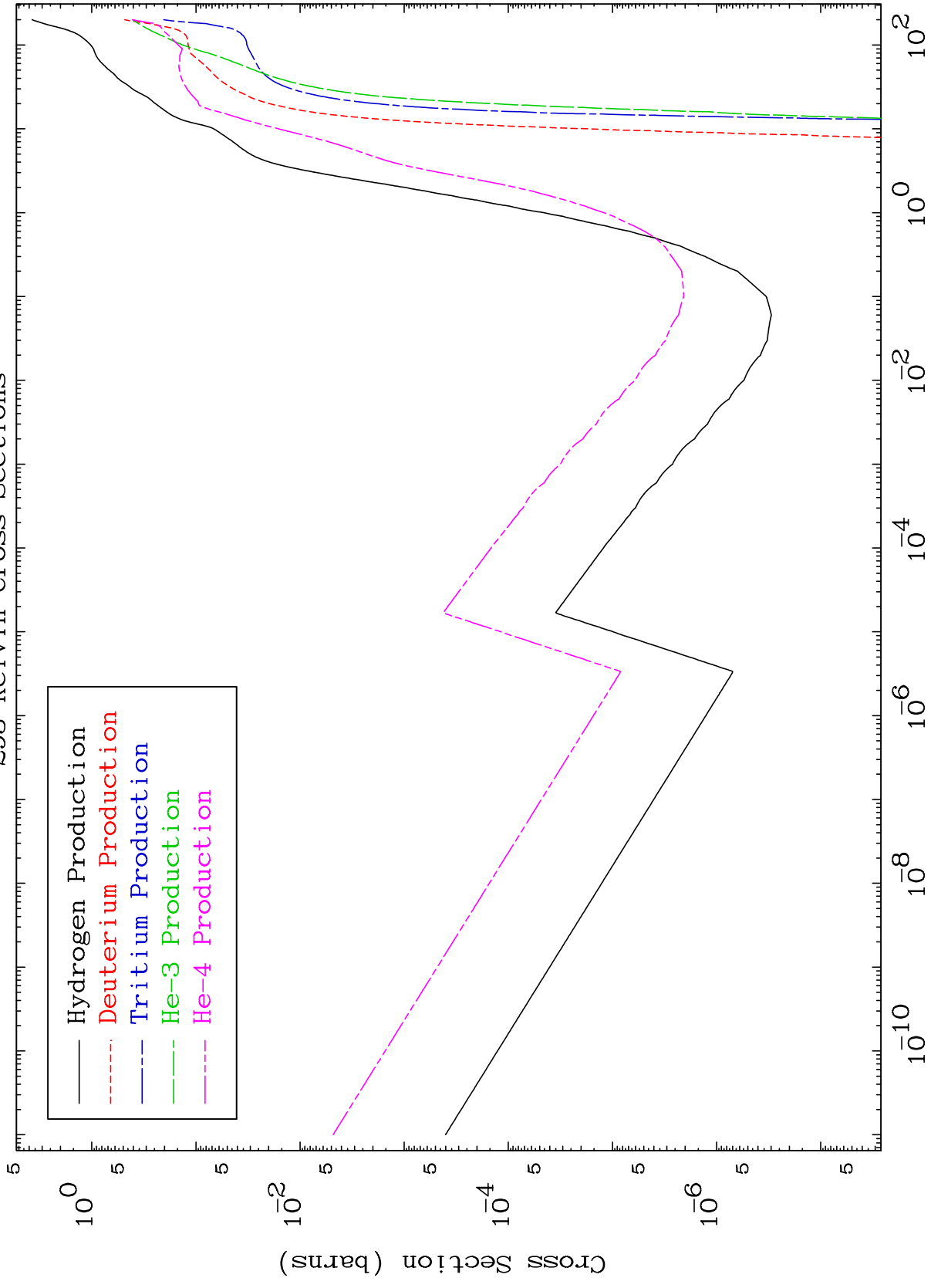


58-Ce-132

MAT 5813

Particle Production  
293 Kelvin Cross Sections

58-Ce-132



6

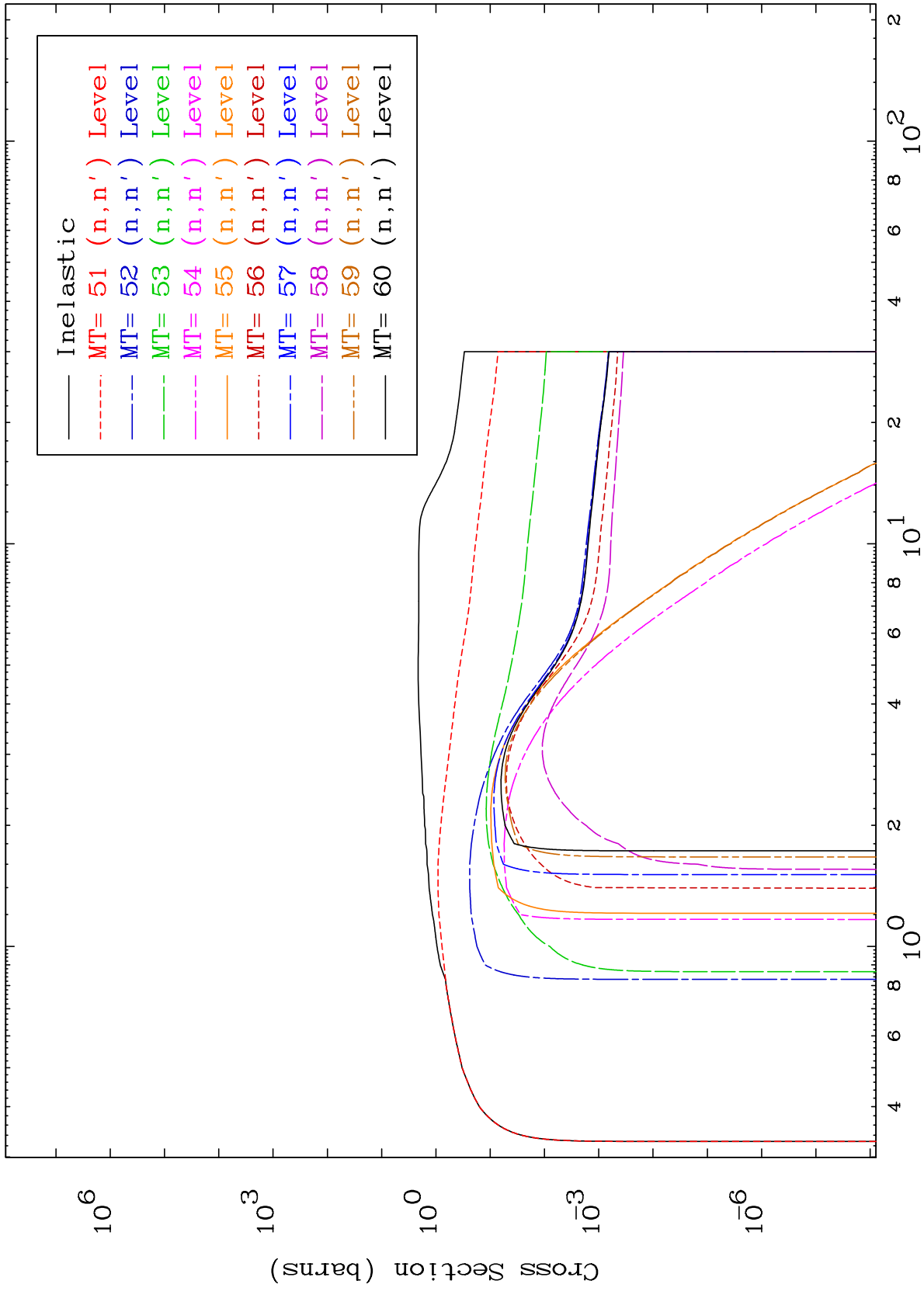
58-Ce-132

MAT 5813

(n,n') Level

58-Ce-132

293 Kelvin Cross Sections



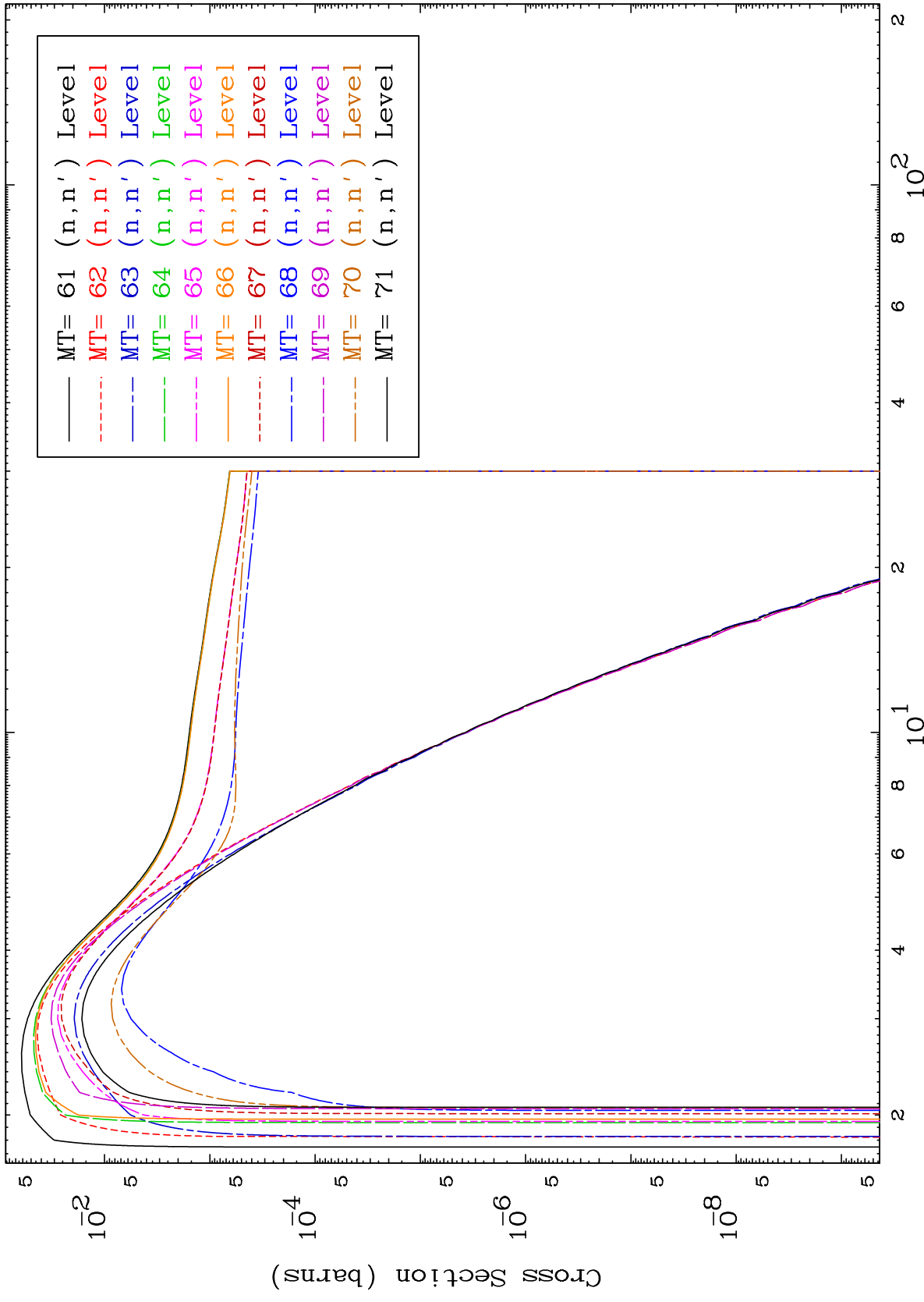


MAT 5813

(n,n') Level

58-Ce-132

293 Kelvin Cross Sections

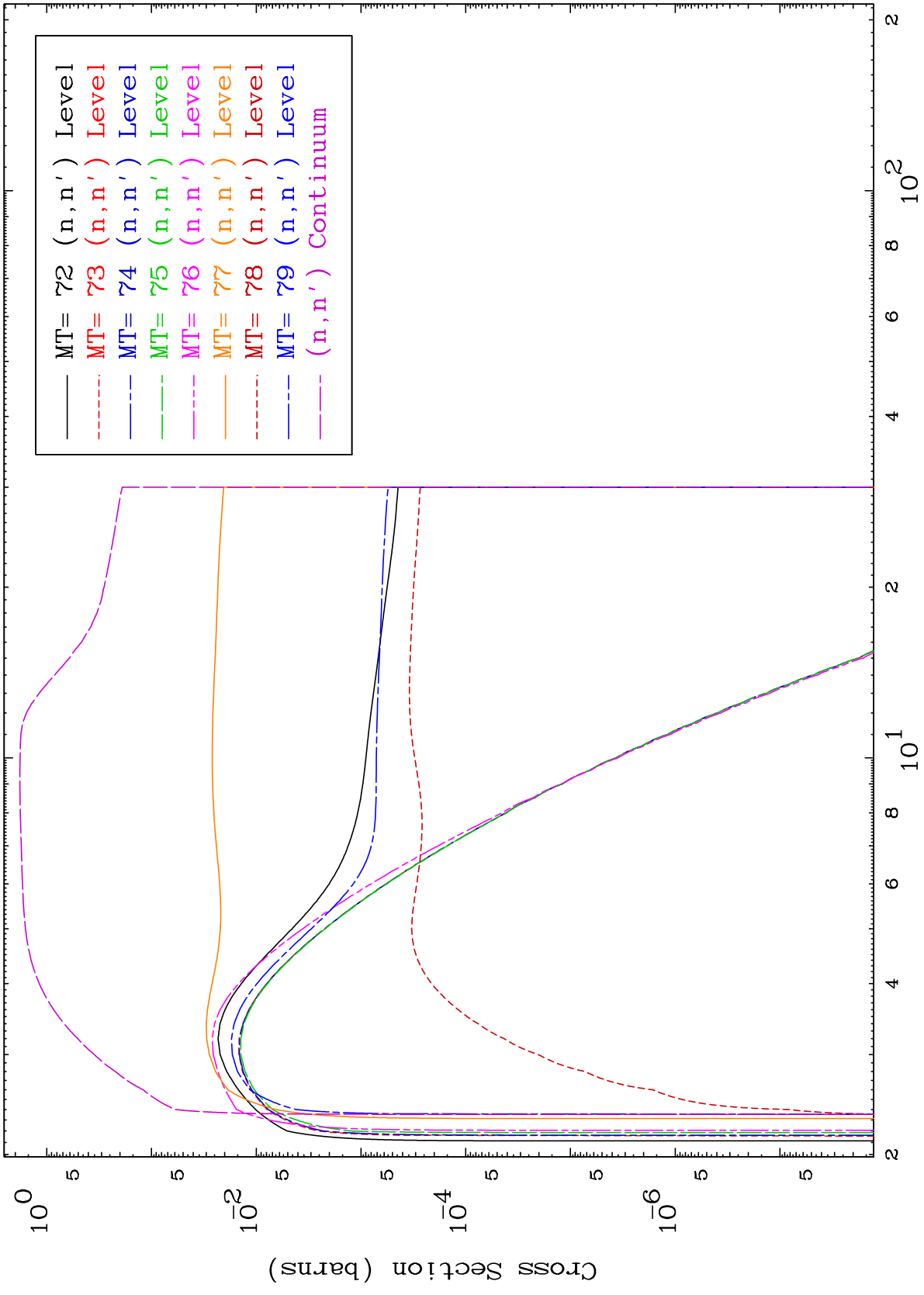


8

Incident Energy (MeV)

58-Ce-132

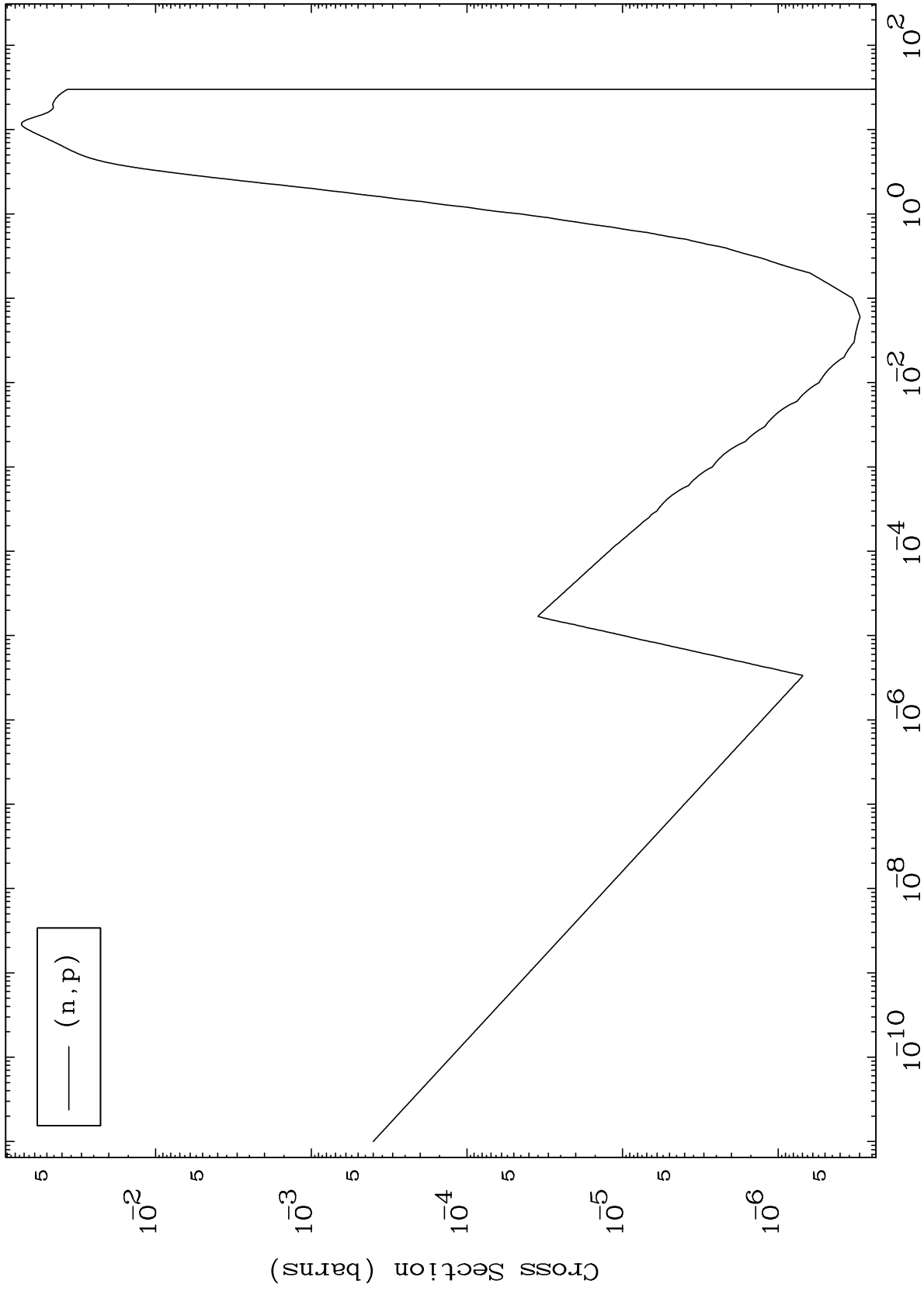
293 Kelvin Cross Sections



MAT 5813

(n,p) Levels  
293 Kelvin Cross Sections

58-Ce-132



10

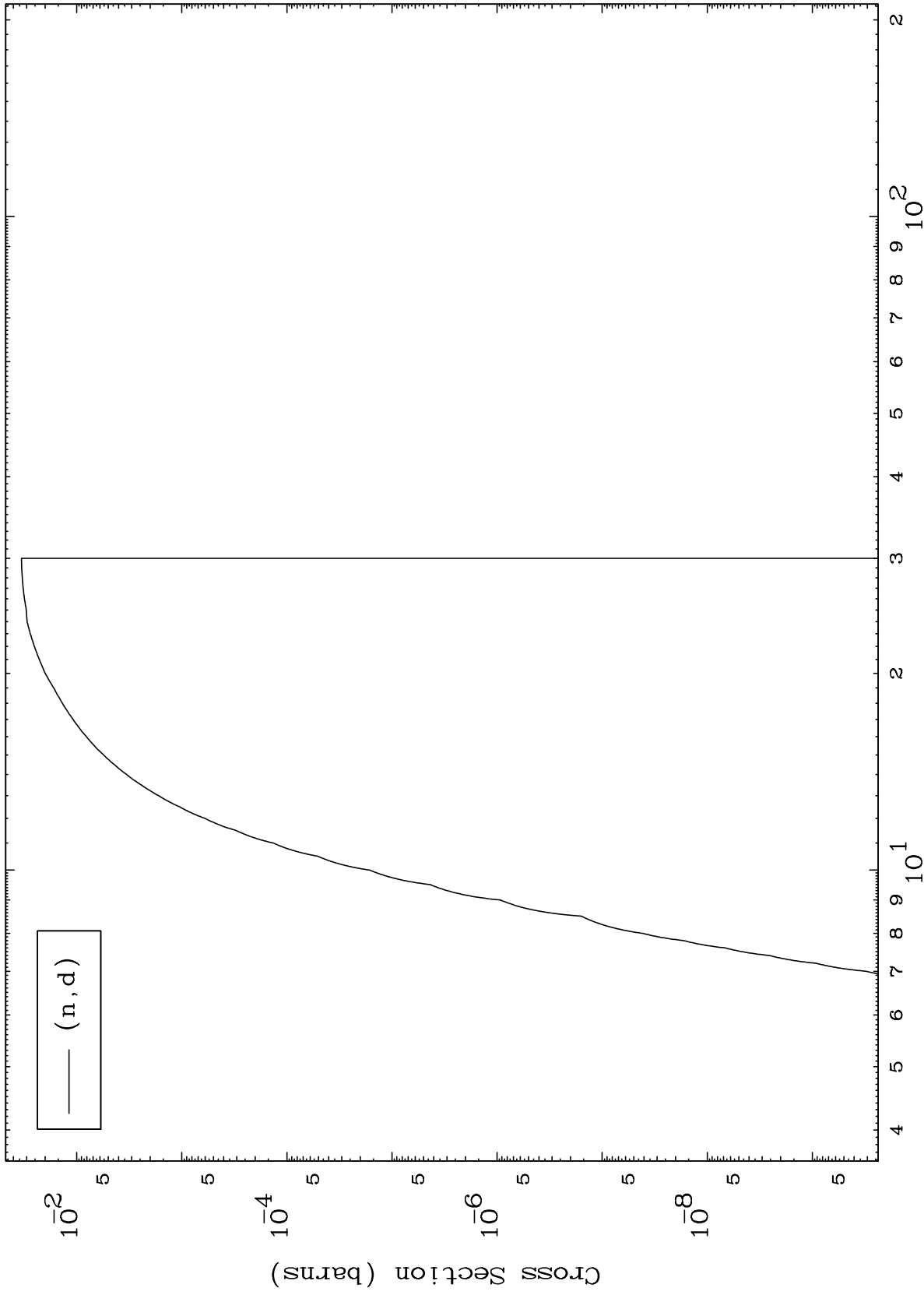
Incident Energy (MeV)

58-Ce-132

MAT 5813

(n,d) Levels  
293 Kelvin Cross Sections

58-Ce-132



11

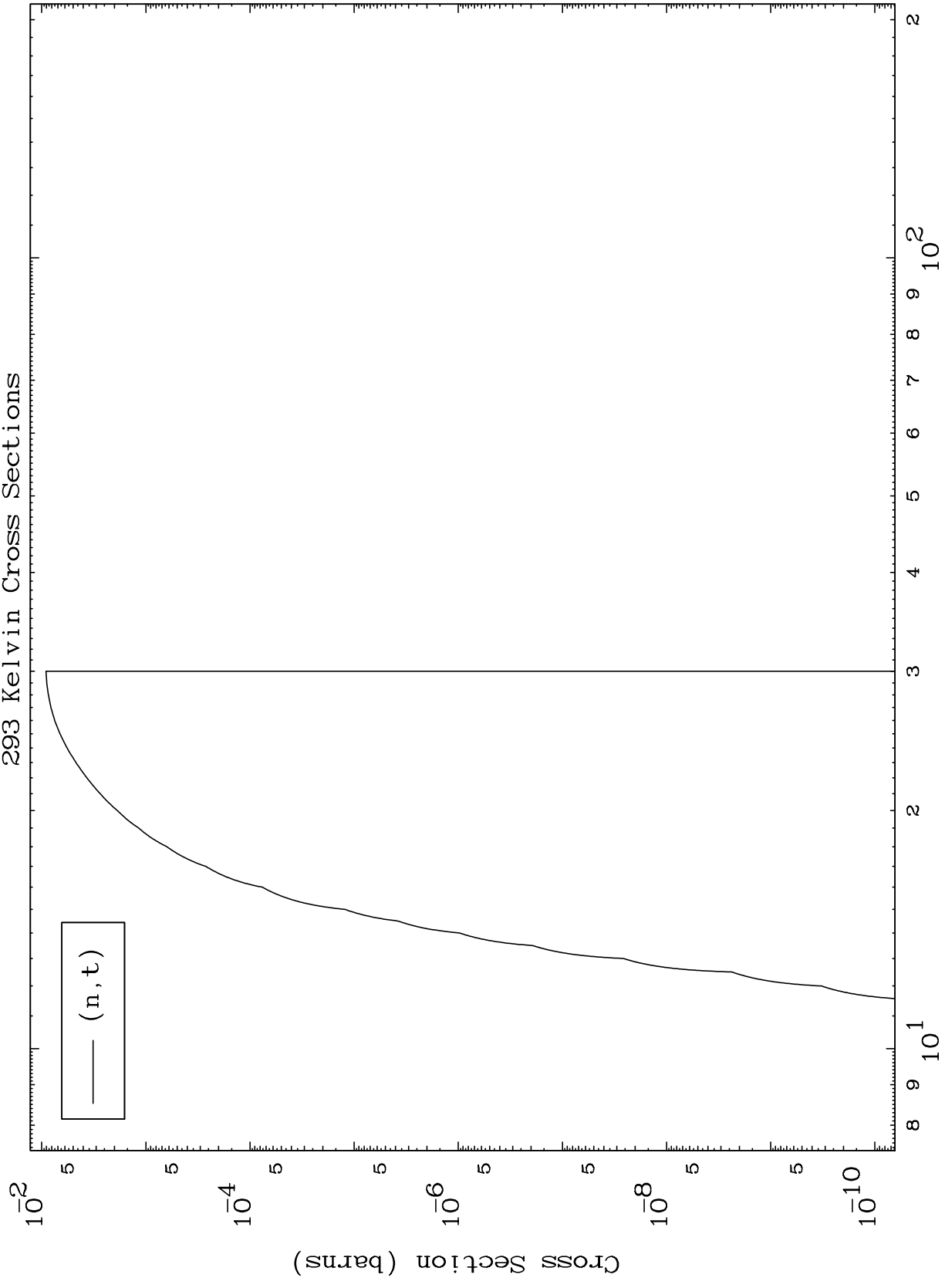
Incident Energy (MeV)

58-Ce-132

MAT 5813

(n,t) Levels  
293 Kelvin Cross Sections

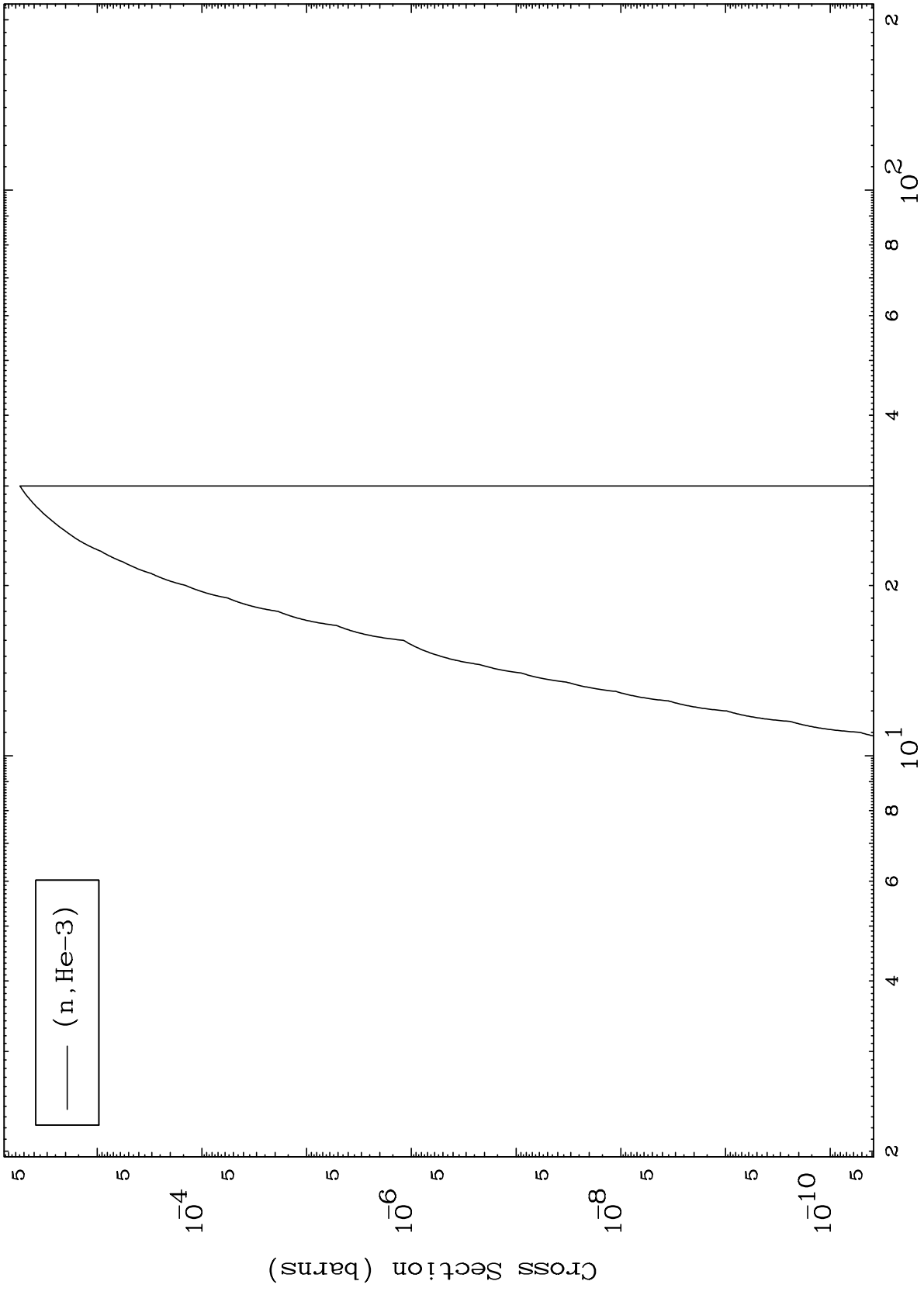
58-Ce-132



MAT 5813

(n,He3) Levels  
293 Kelvin Cross Sections

58-Ce-132



(n, He-3)

13

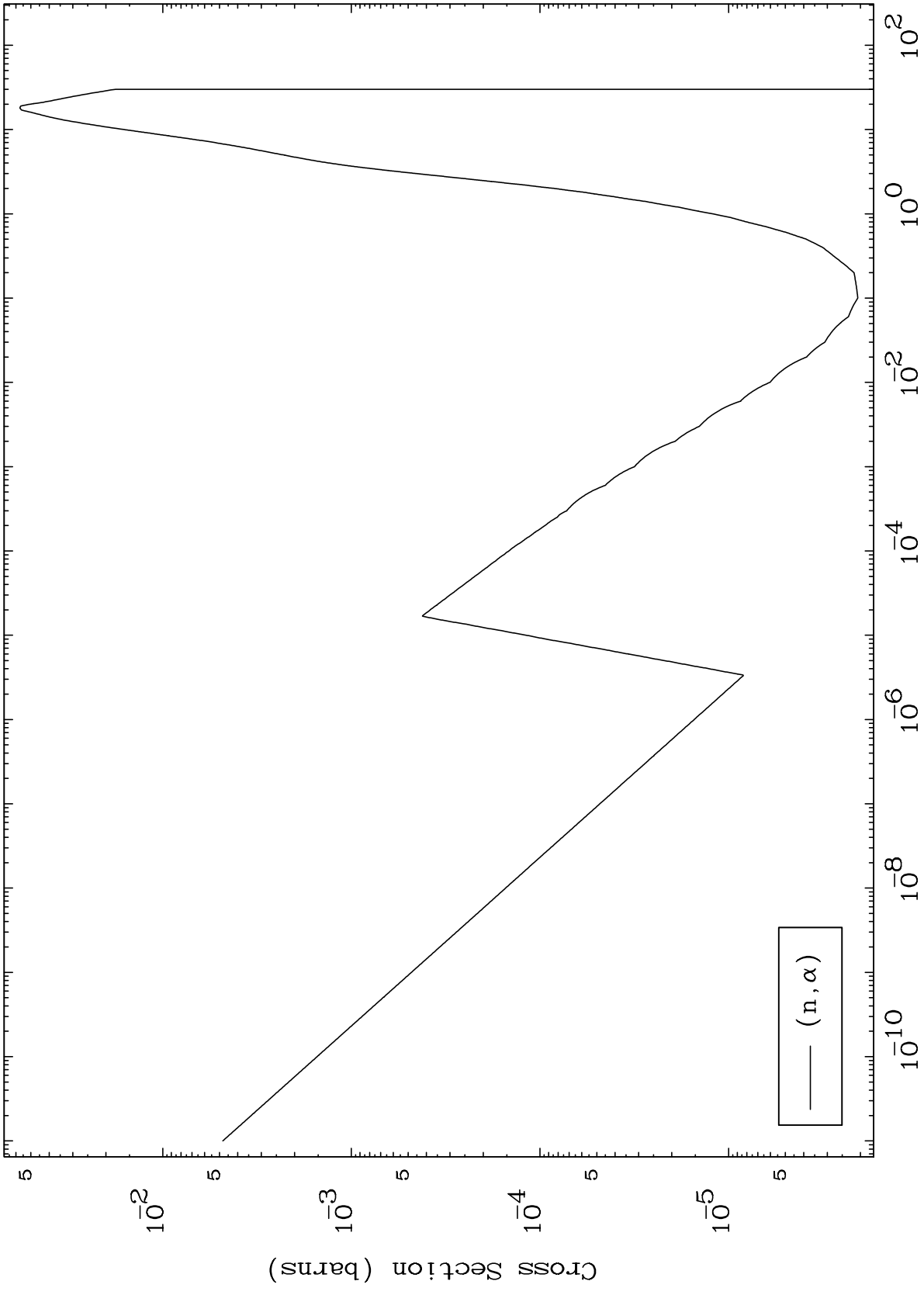
Incident Energy (MeV)

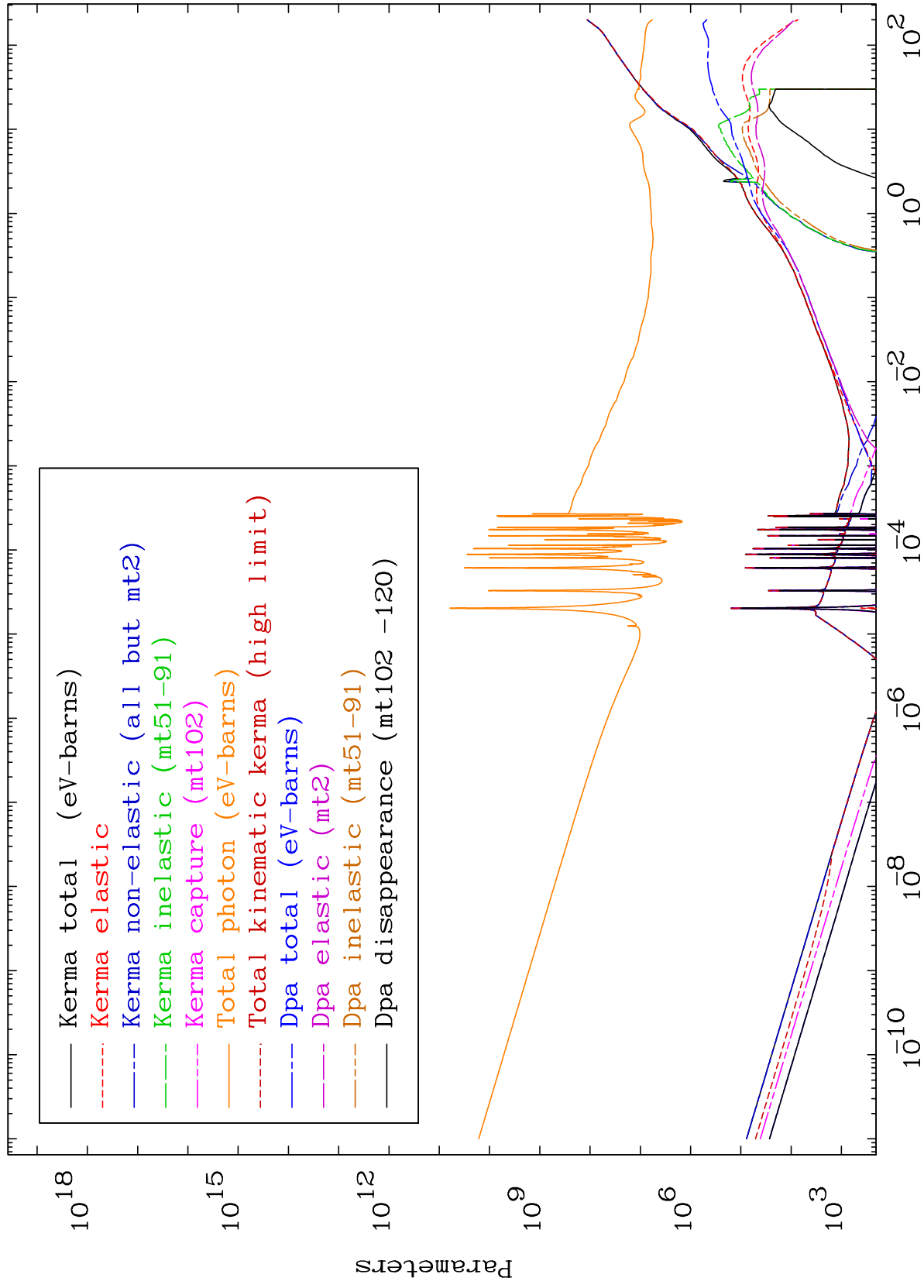
58-Ce-132

MAT 5813

(n,α) Levels  
293 Kelvin Cross Sections

58-Ce-132



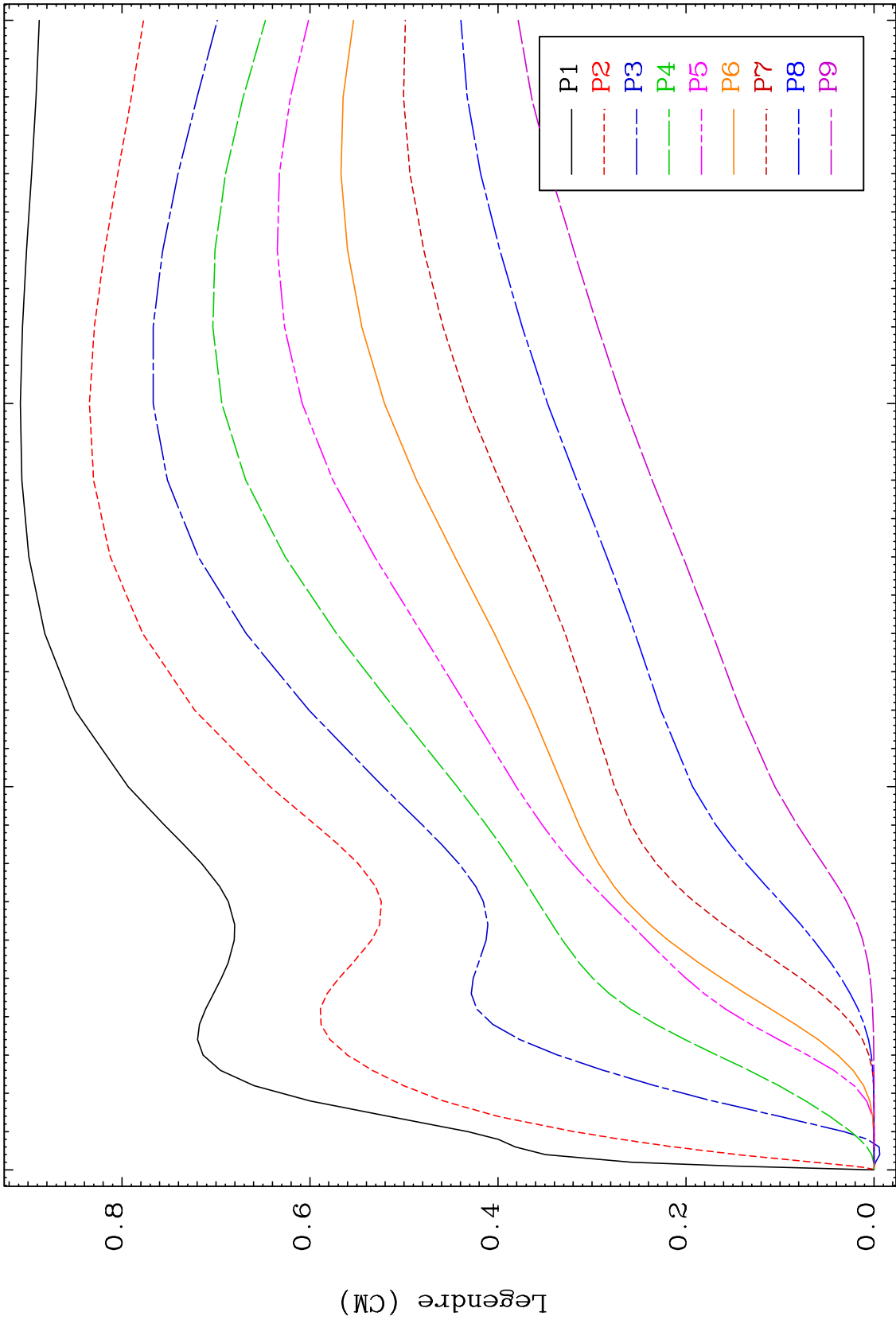




MAT 5813

Elastic Legendre Coefficients

58-Ce-132



16

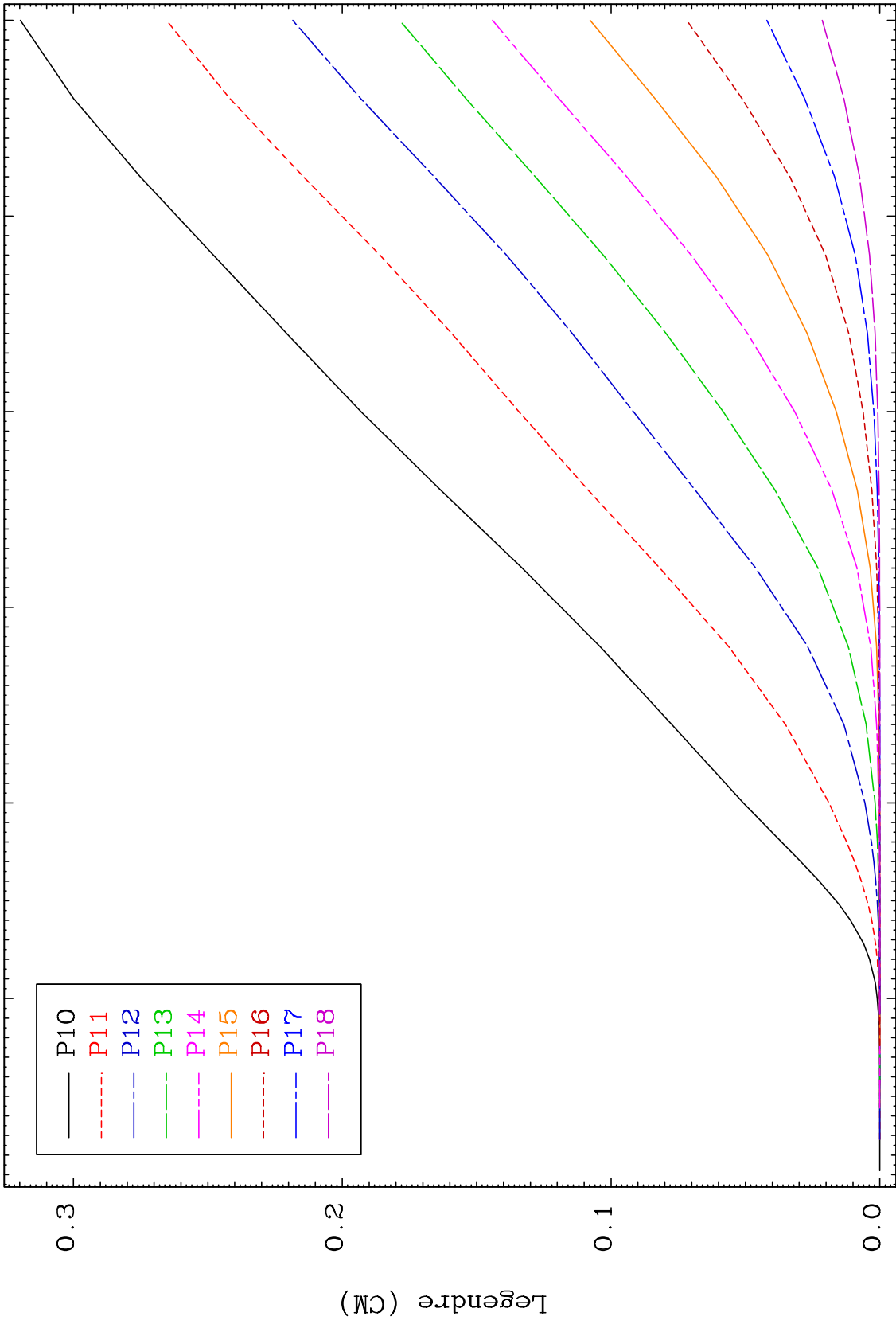
Incident Energy (MeV)

58-Ce-132

MAT 5813

Elastic Legendre Coefficients

58-Ce-132



17

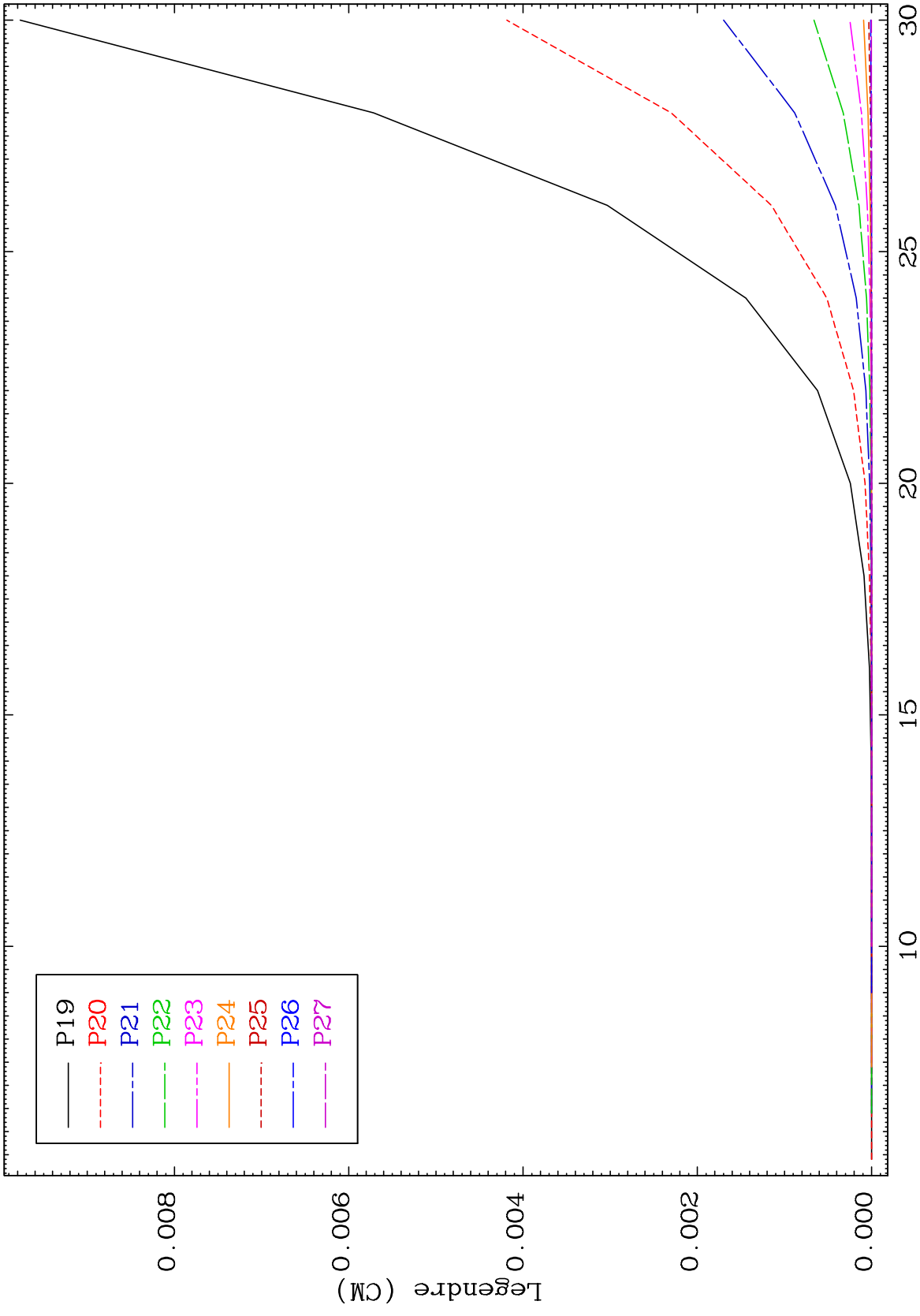
Incident Energy (MeV)

58-Ce-132

MAT 5813

### Elastic Legendre Coefficients

58-Ce-132



18

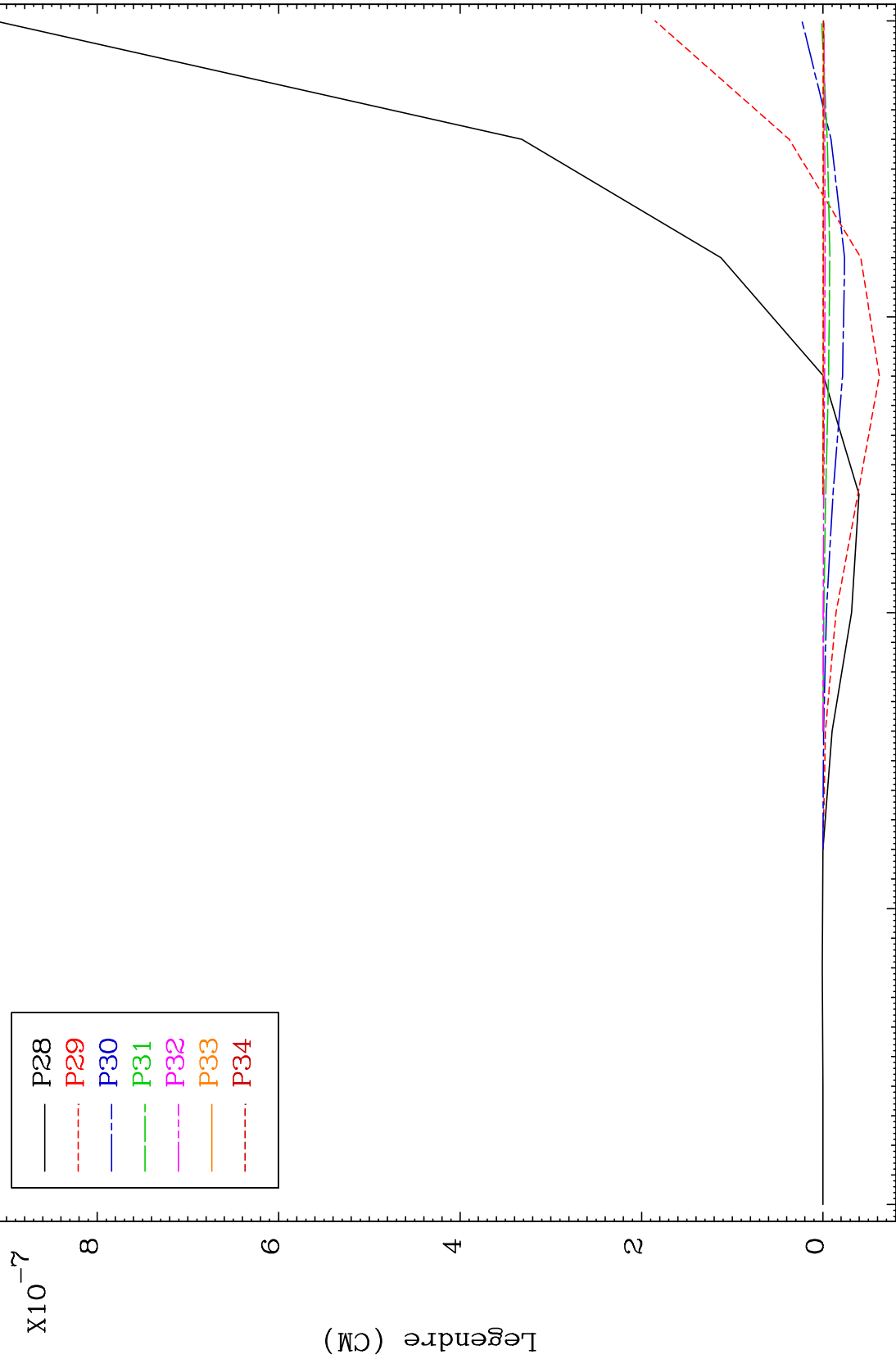
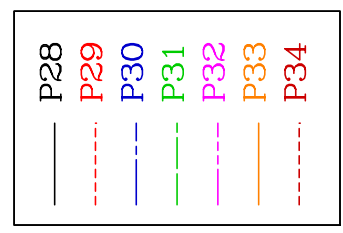
Incident Energy (MeV)

58-Ce-132

MAT 5813

Elastic  
Legendre Coefficients

58-Ce-132



19

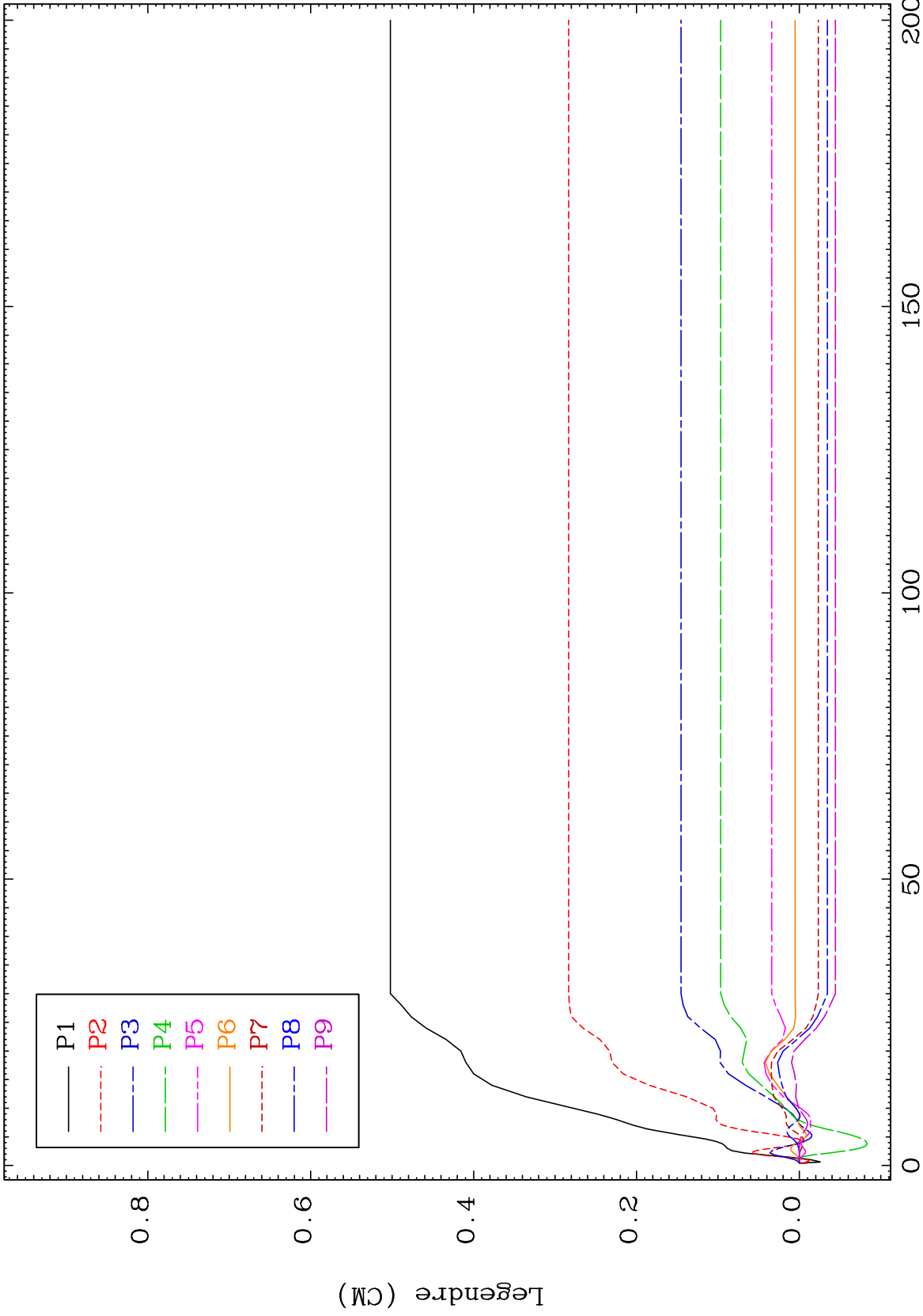
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



20

Incident Energy (MeV)

50

100

150

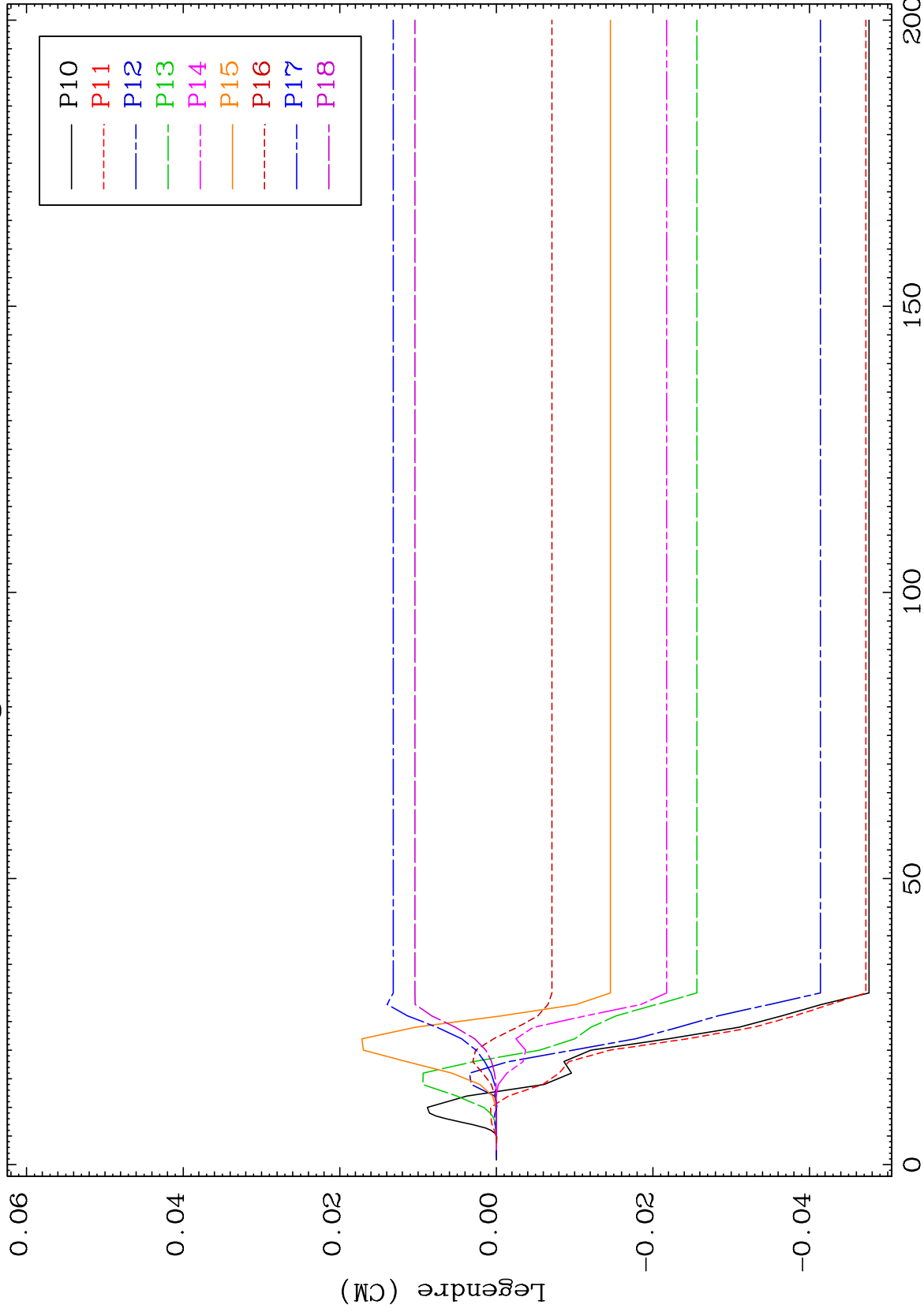
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58-Ce-132

MAT 5813

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

58-Ce-132



21

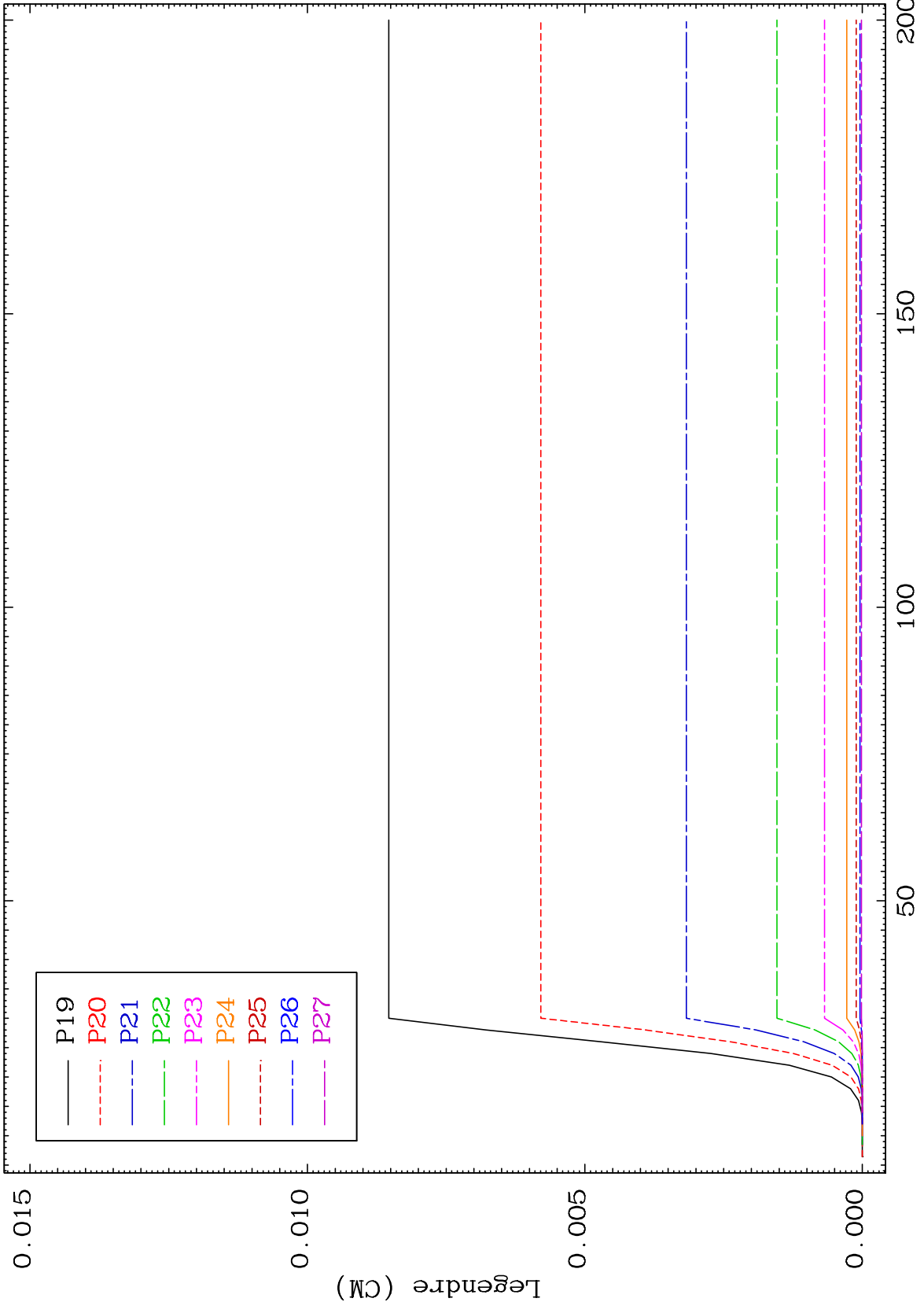
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



22

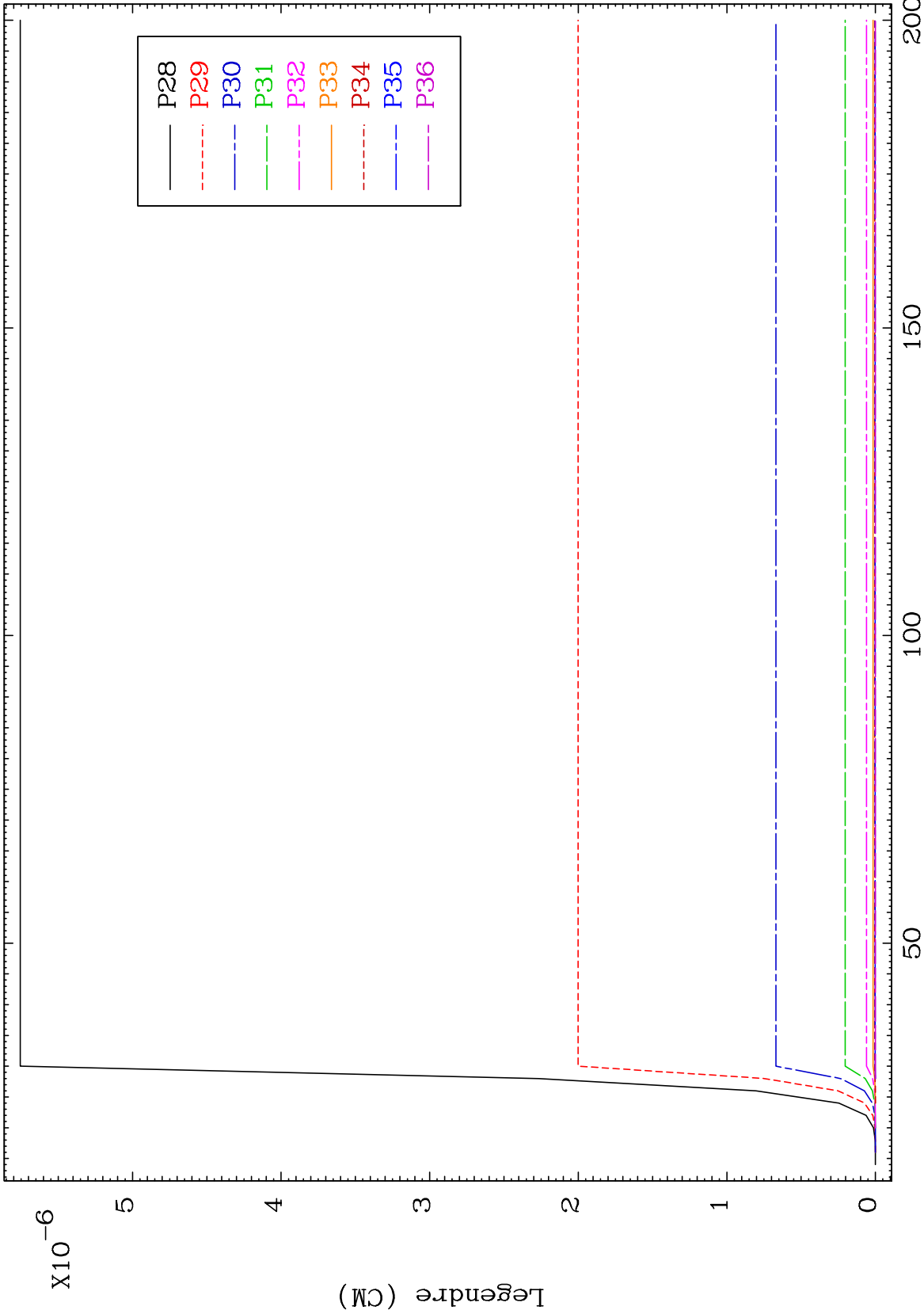
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



23

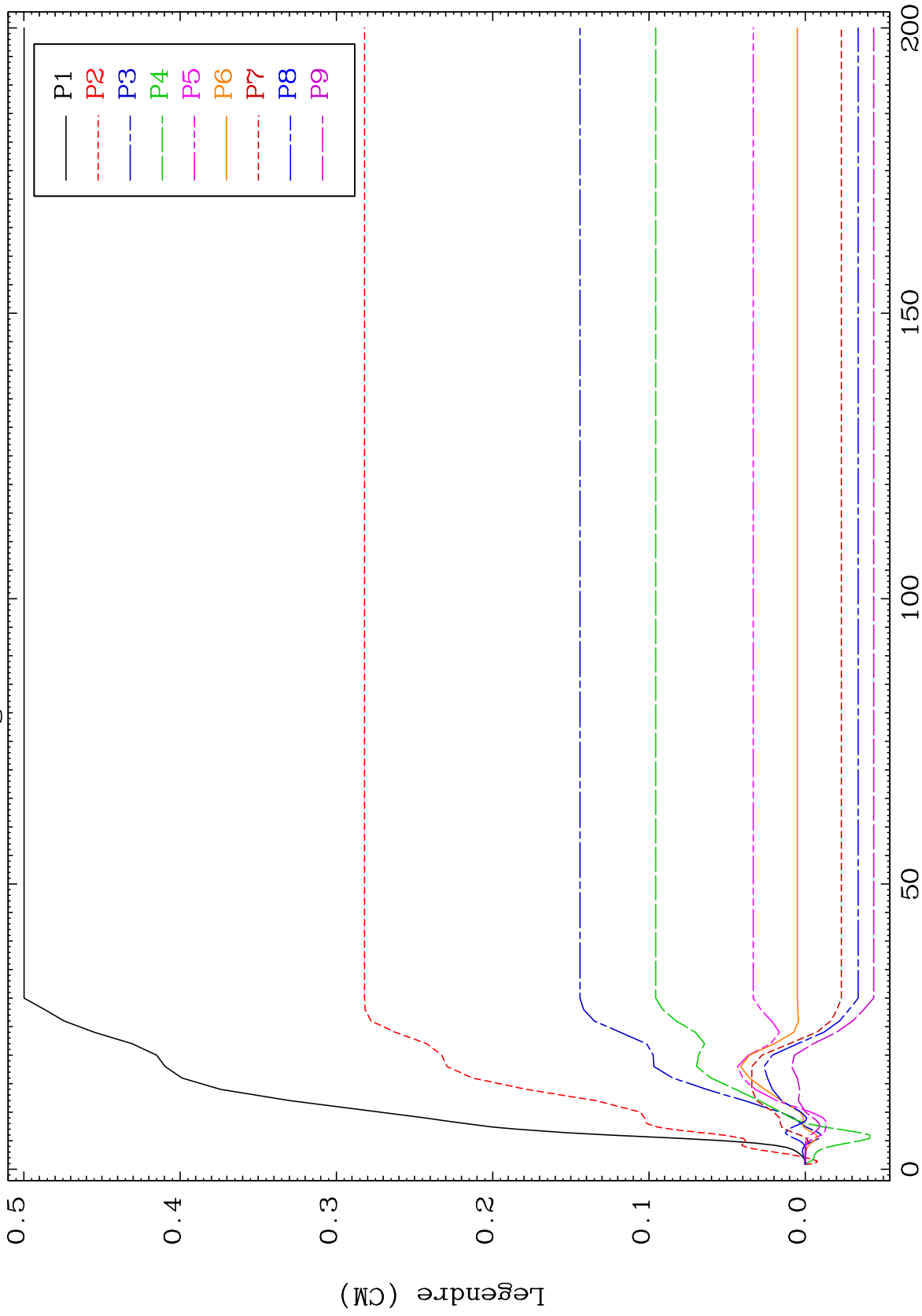
58-Ce-132



MAT 5813

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

58-Ce-132



24

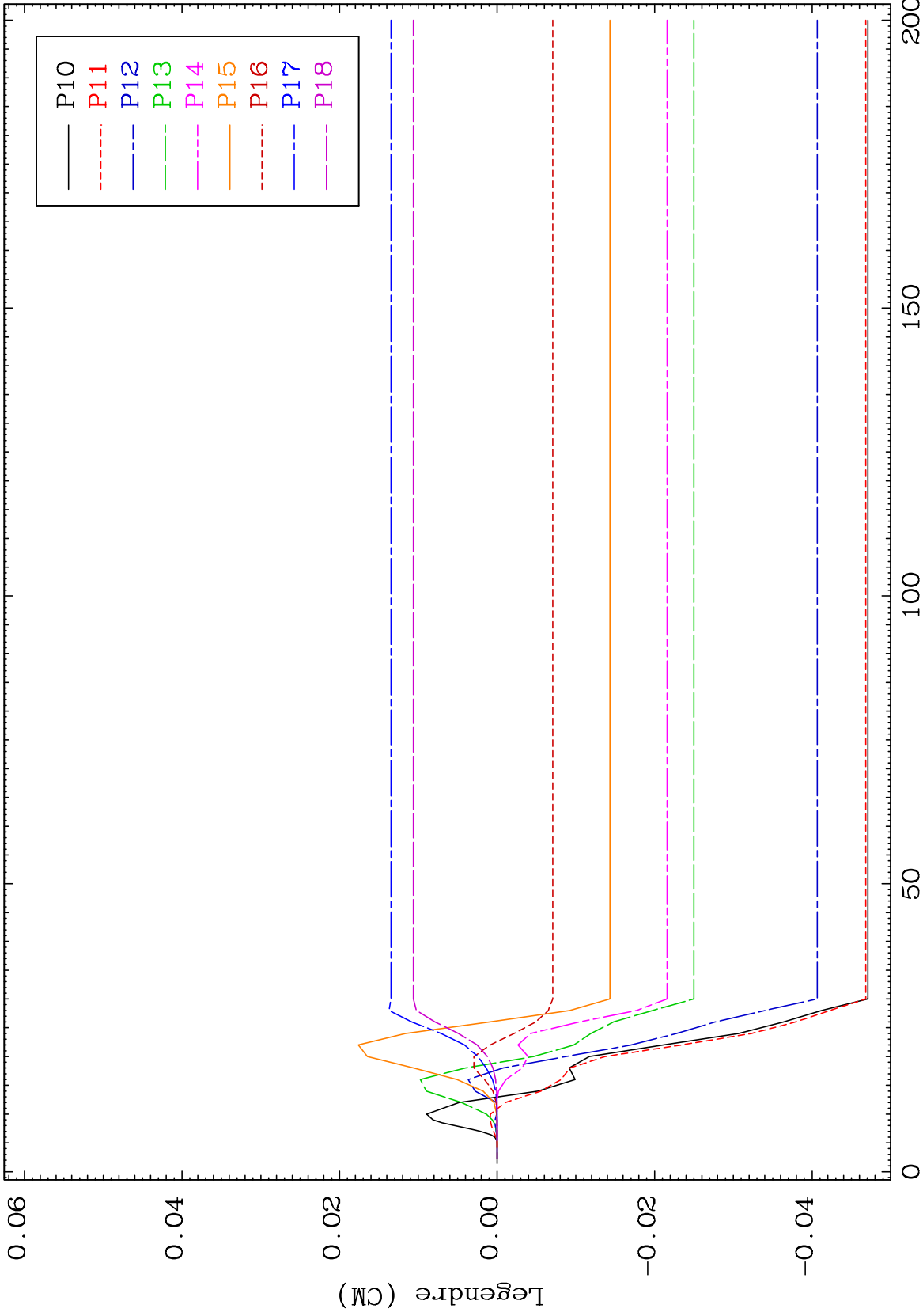
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



58-Ce-132

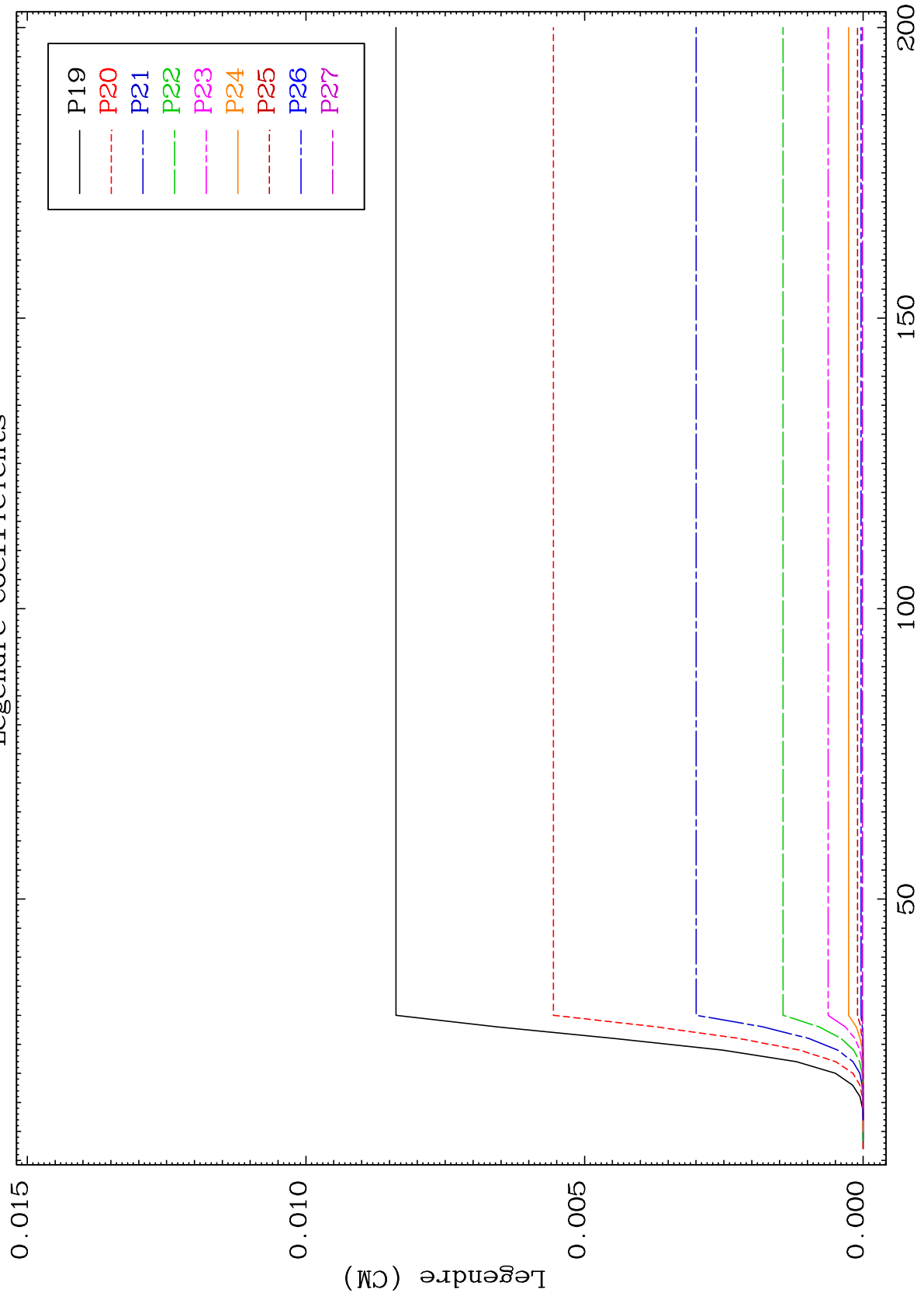
Incident Energy (MeV)

25

MAT 5813

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

58-Ce-132



26

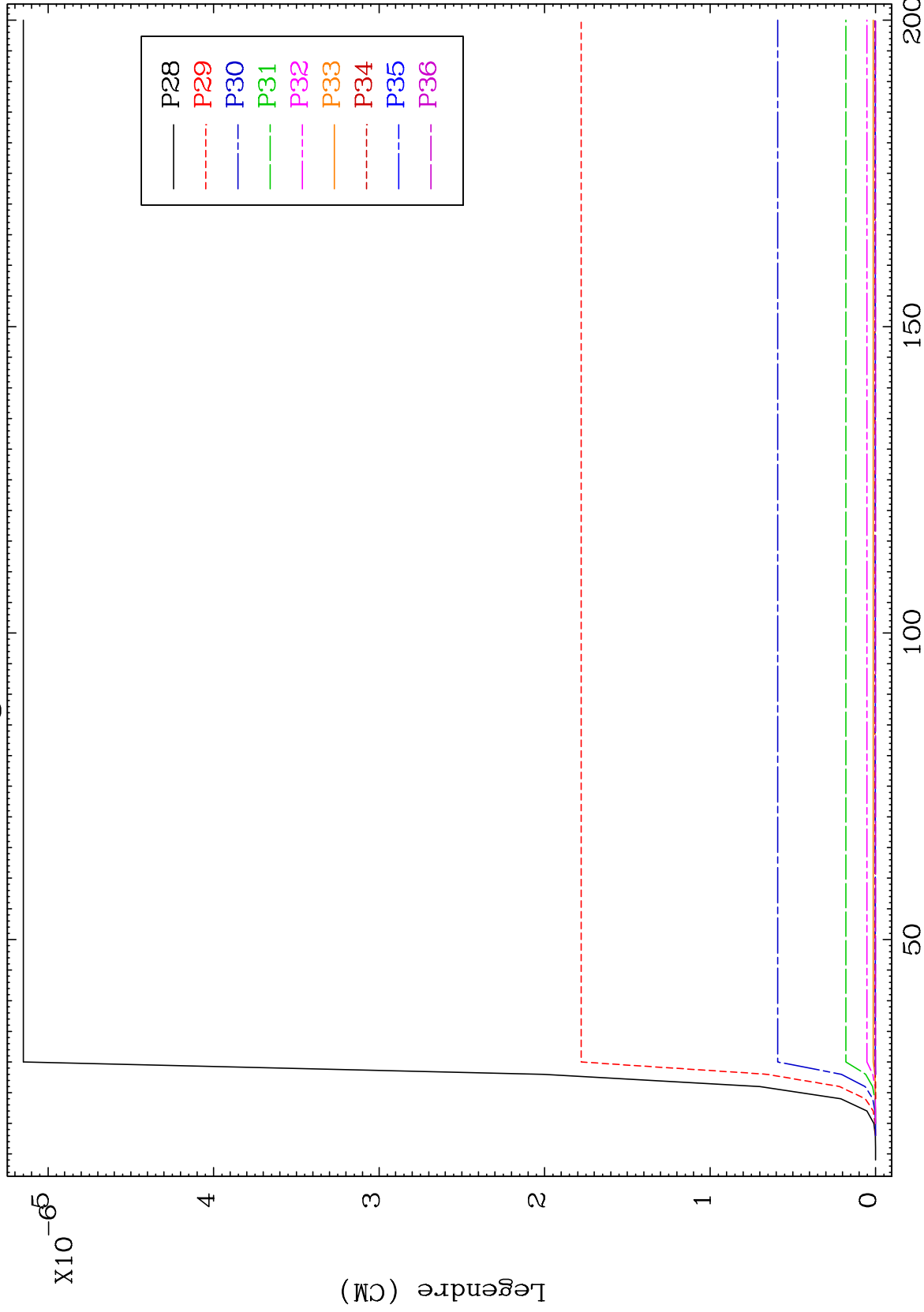
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



27

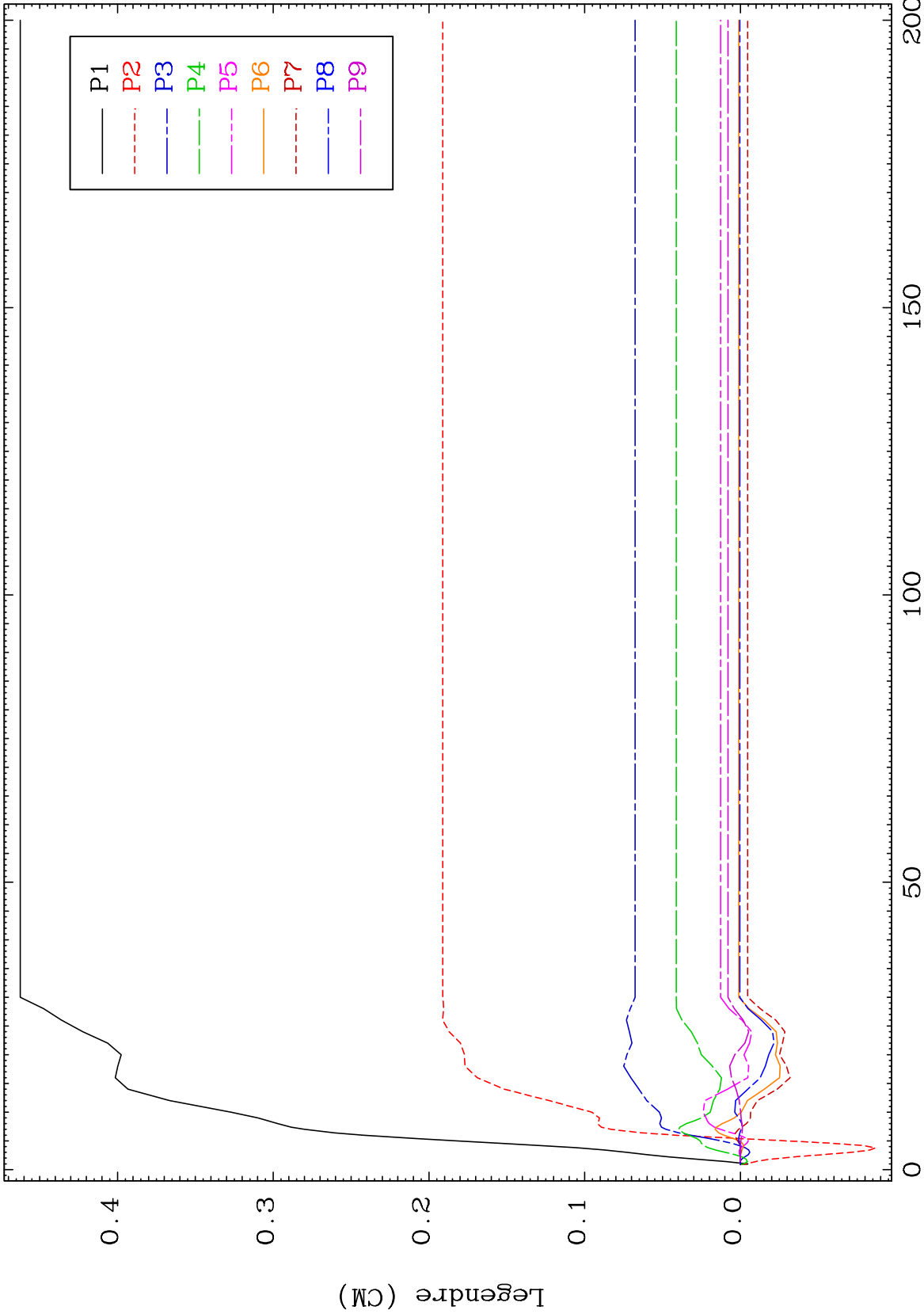
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



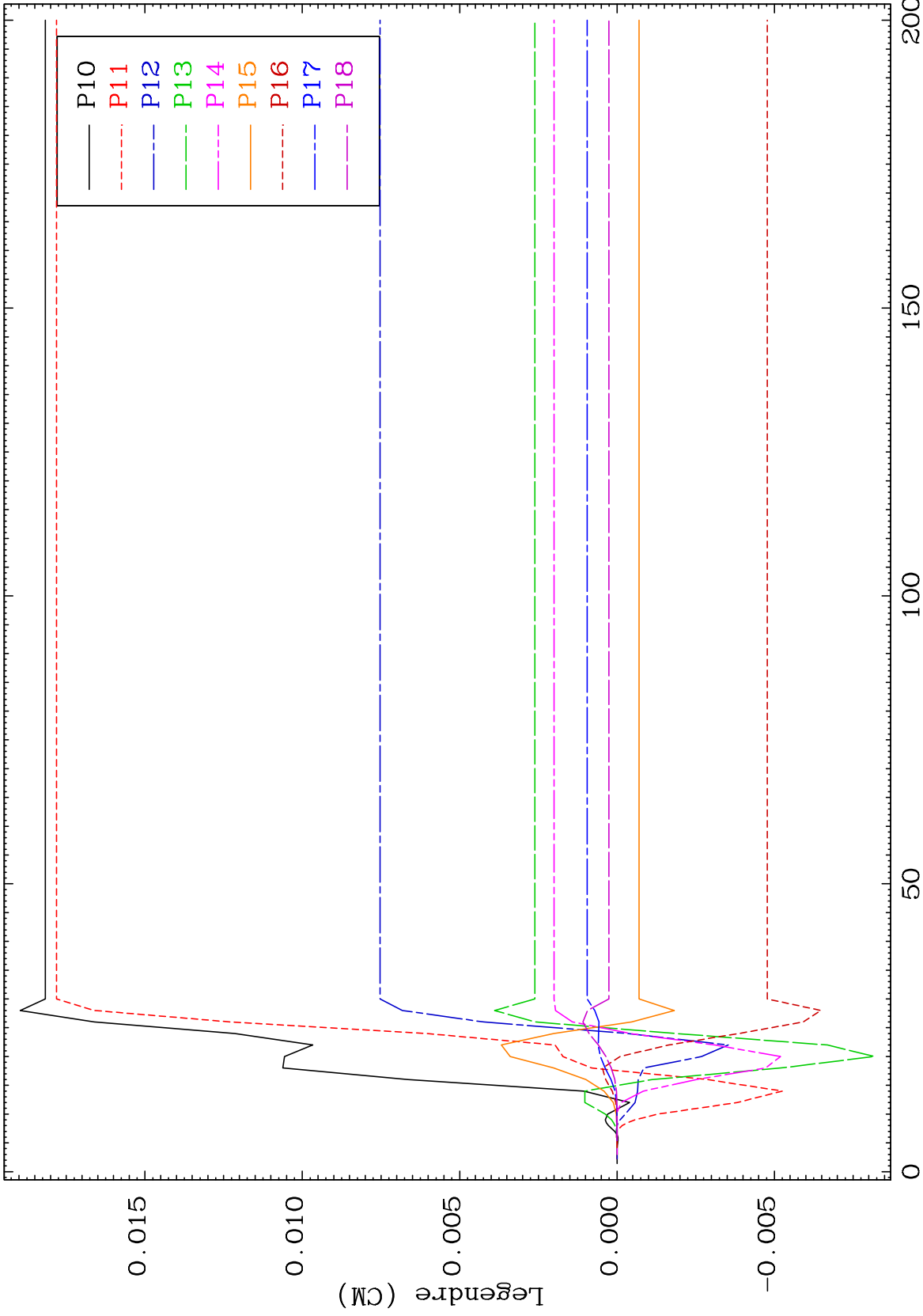
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58-Ce-132

MAT 5813

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

58-Ce-132



29

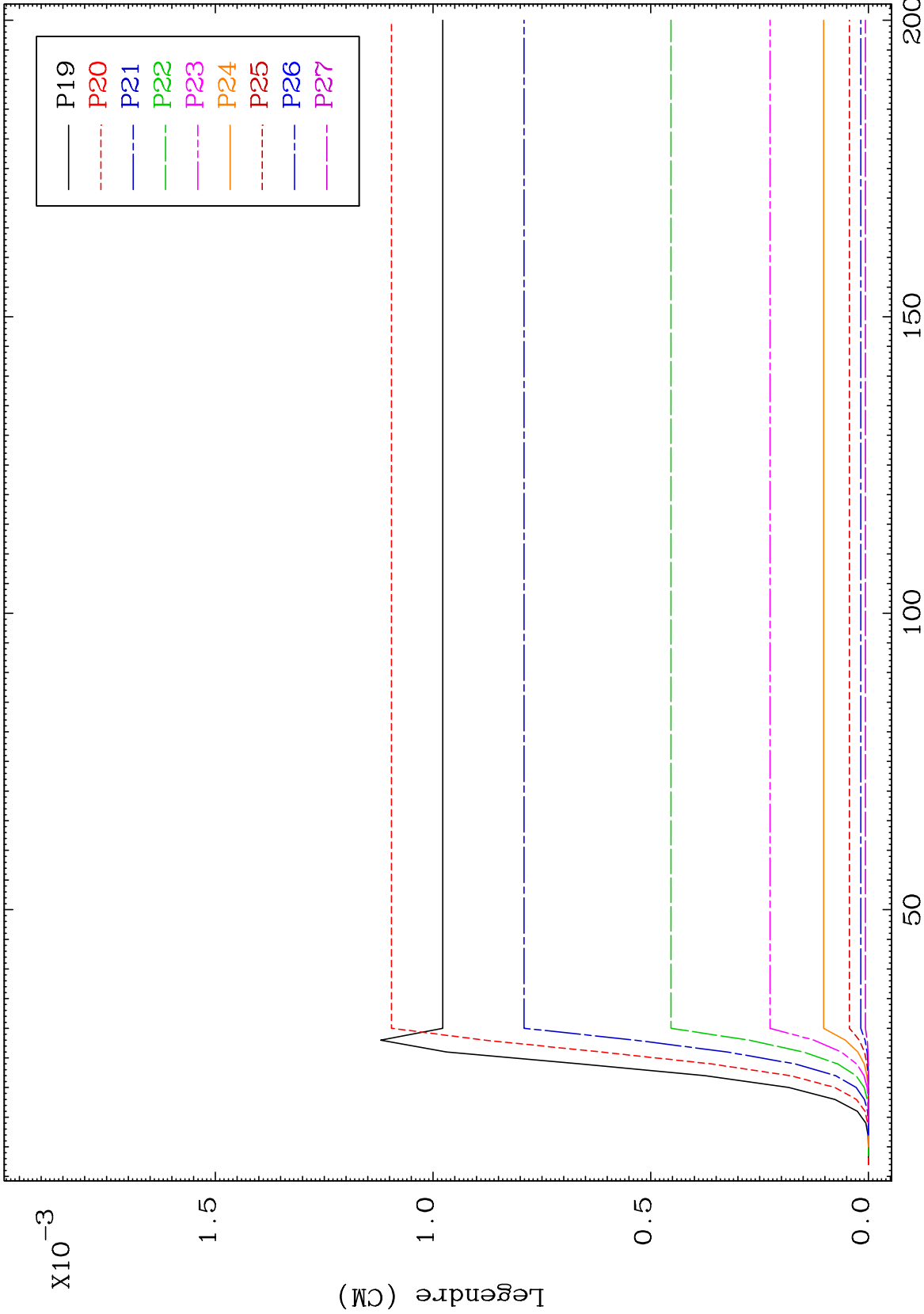
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

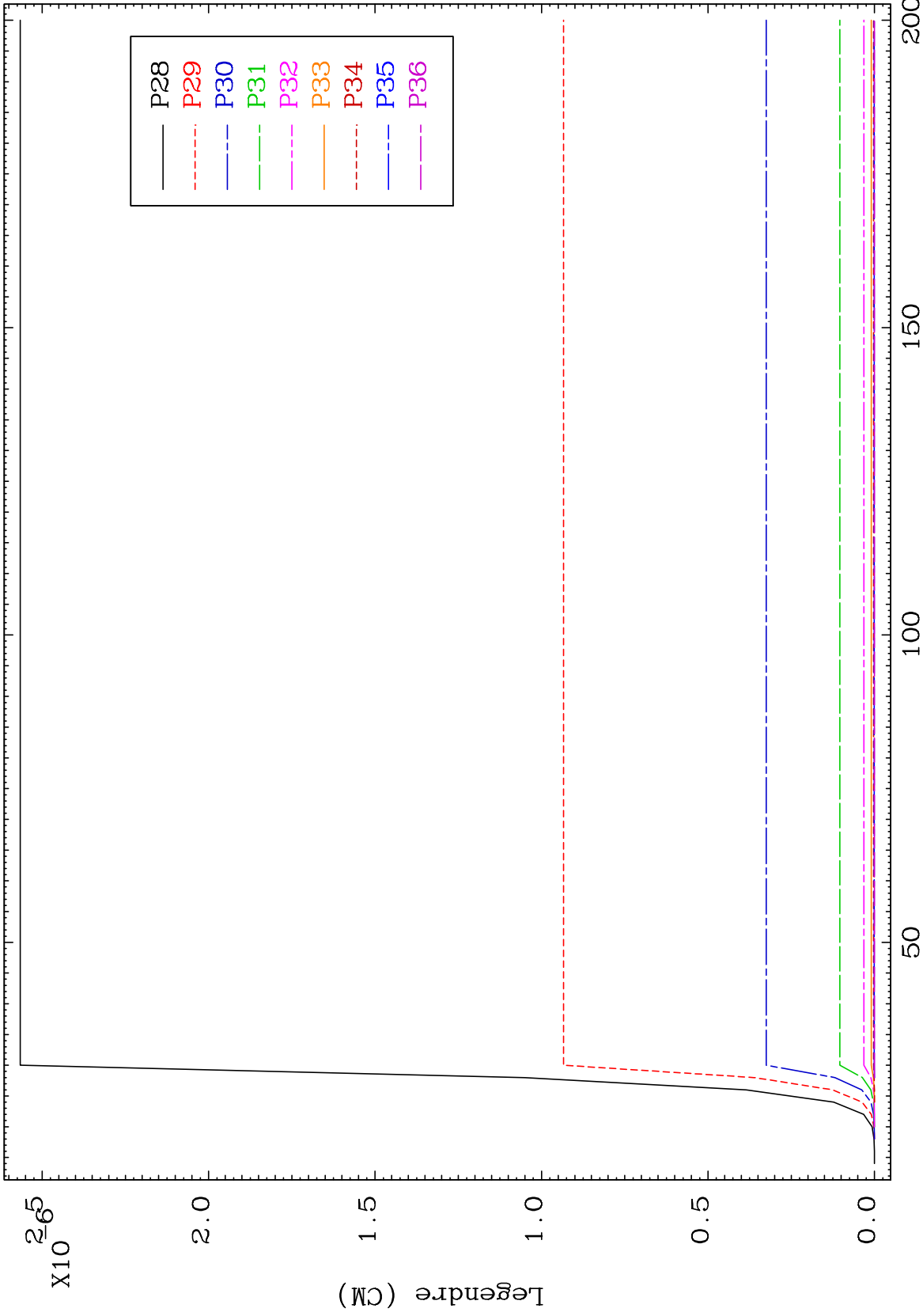
58-Ce-132



MAT 5813

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

58-Ce-132

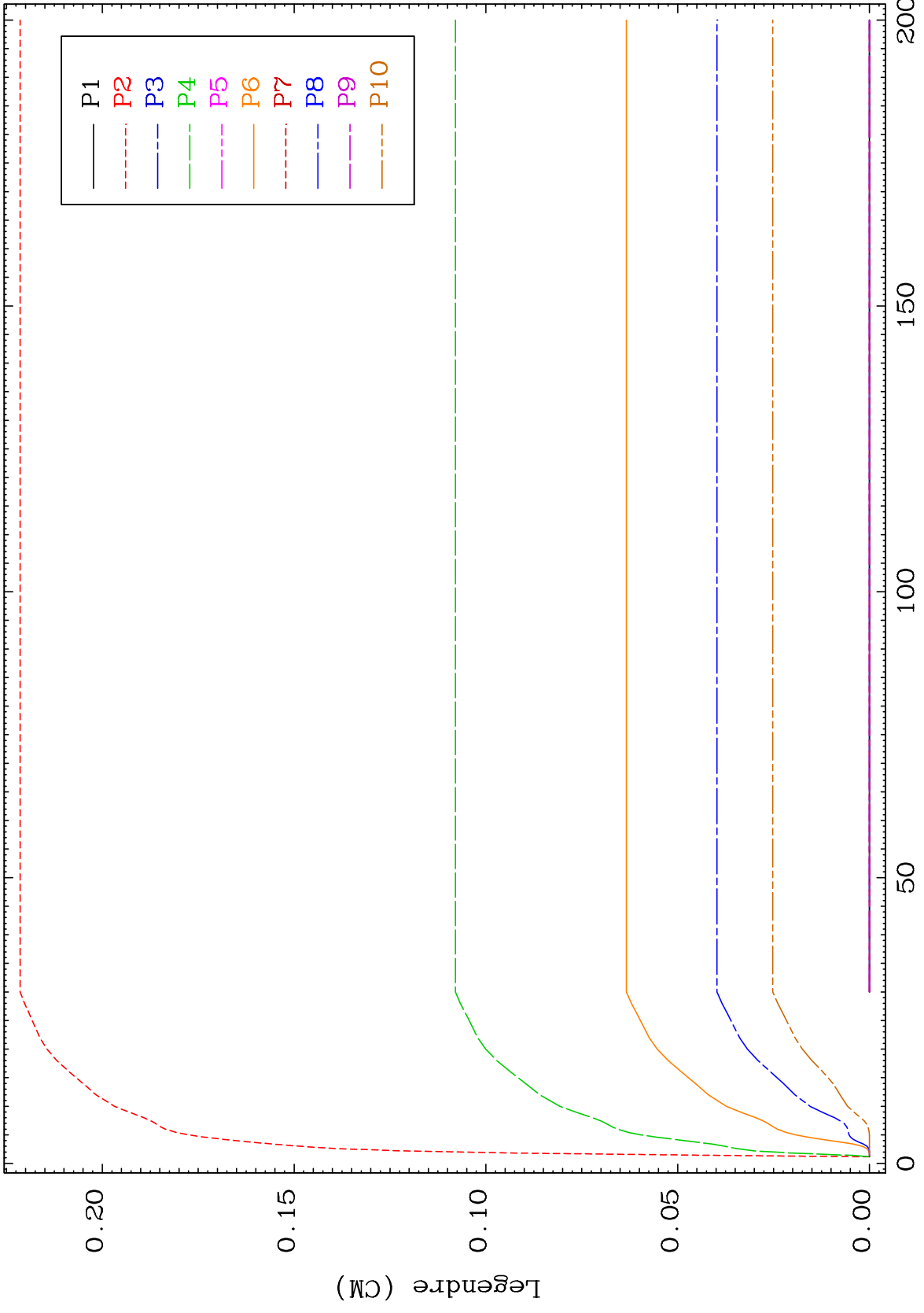


31

58-Ce-132

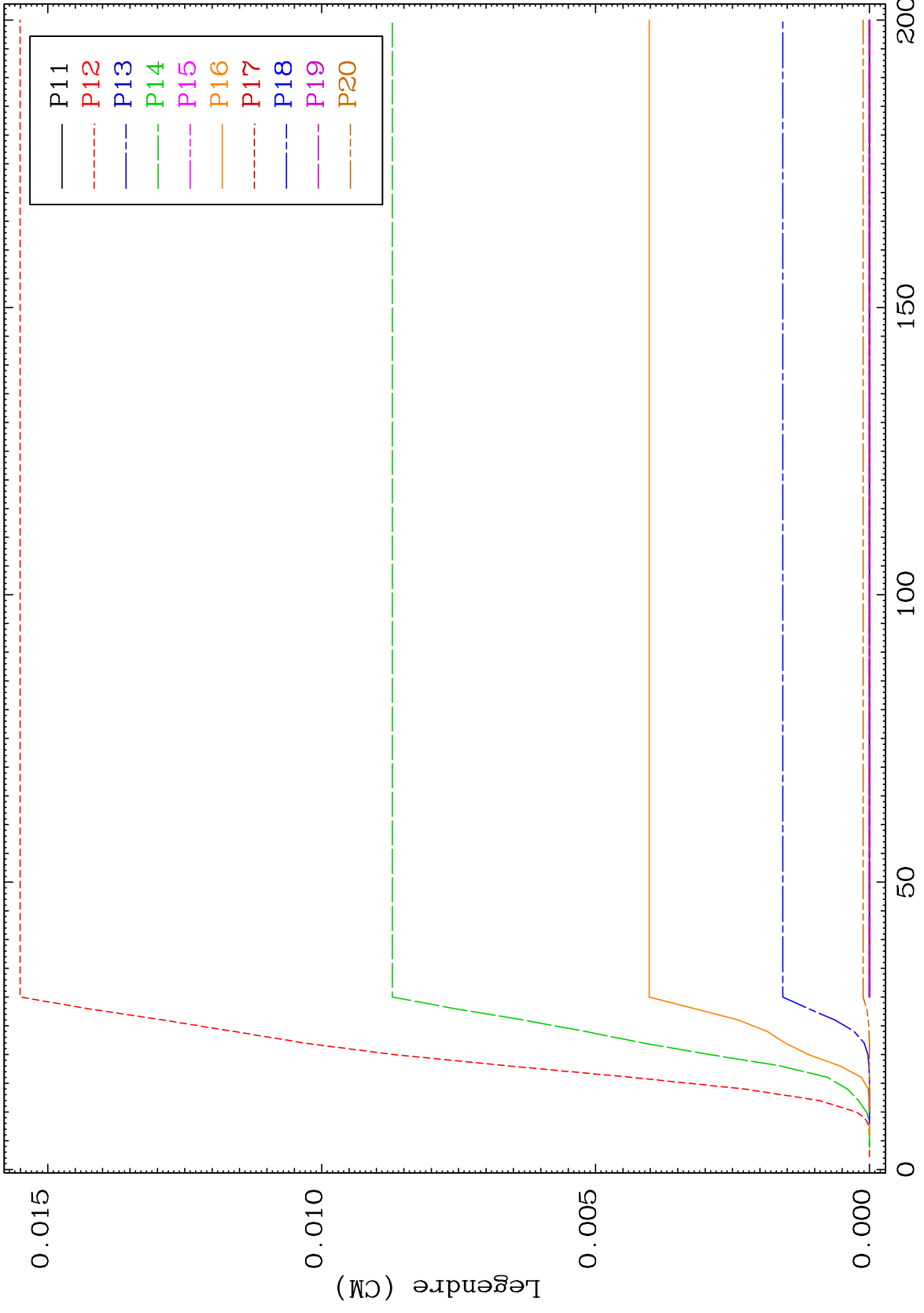


MAT 5813 MT= 54 (n,n') Level Legendre Coefficients 58-Ce-132



32 Incident Energy (MeV) 58-Ce-132

MAT 5813 MT= 54 (n,n') Level Legendre Coefficients 58-Ce-132

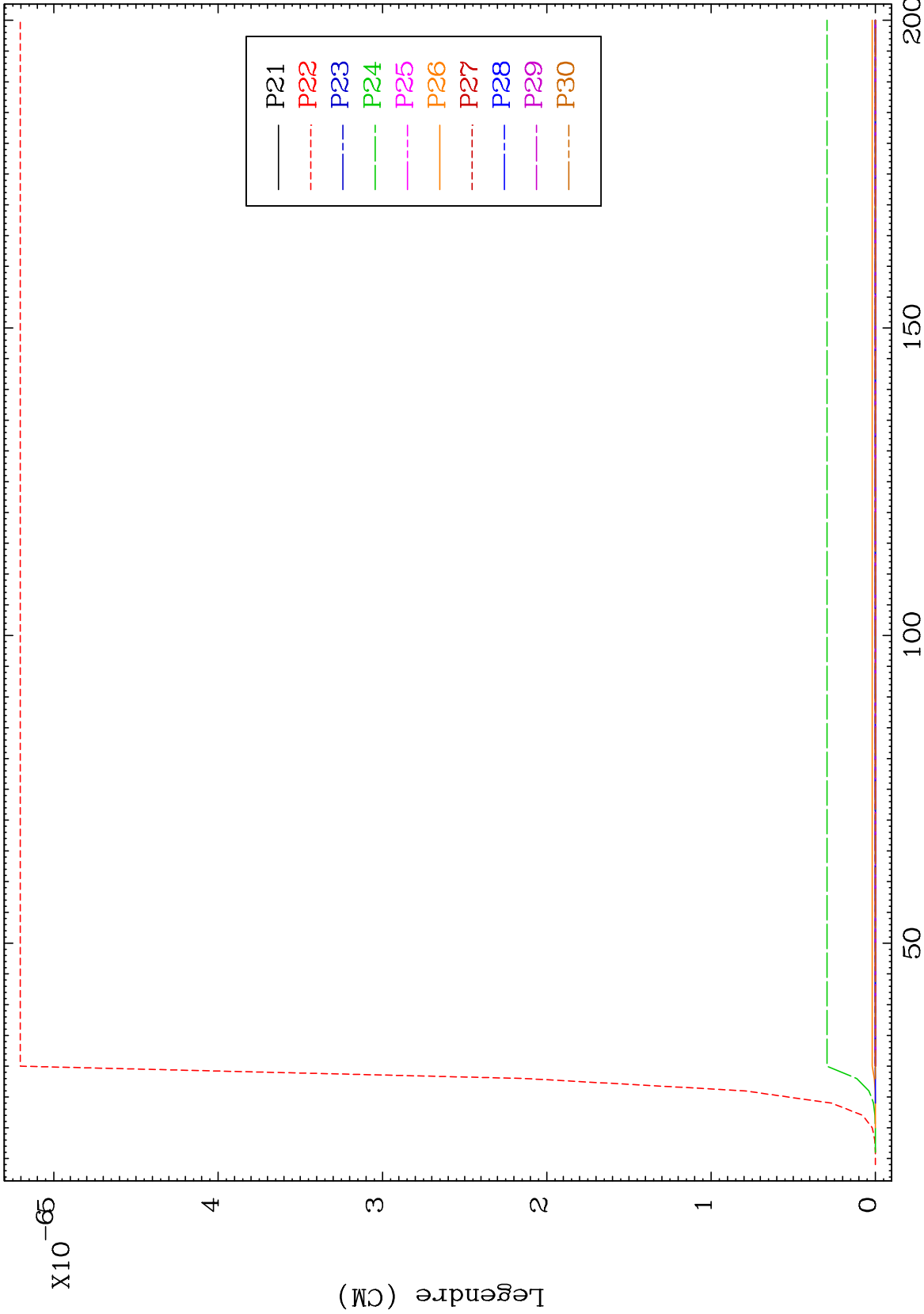


33 58-Ce-132

MAT 5813

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

58-Ce-132

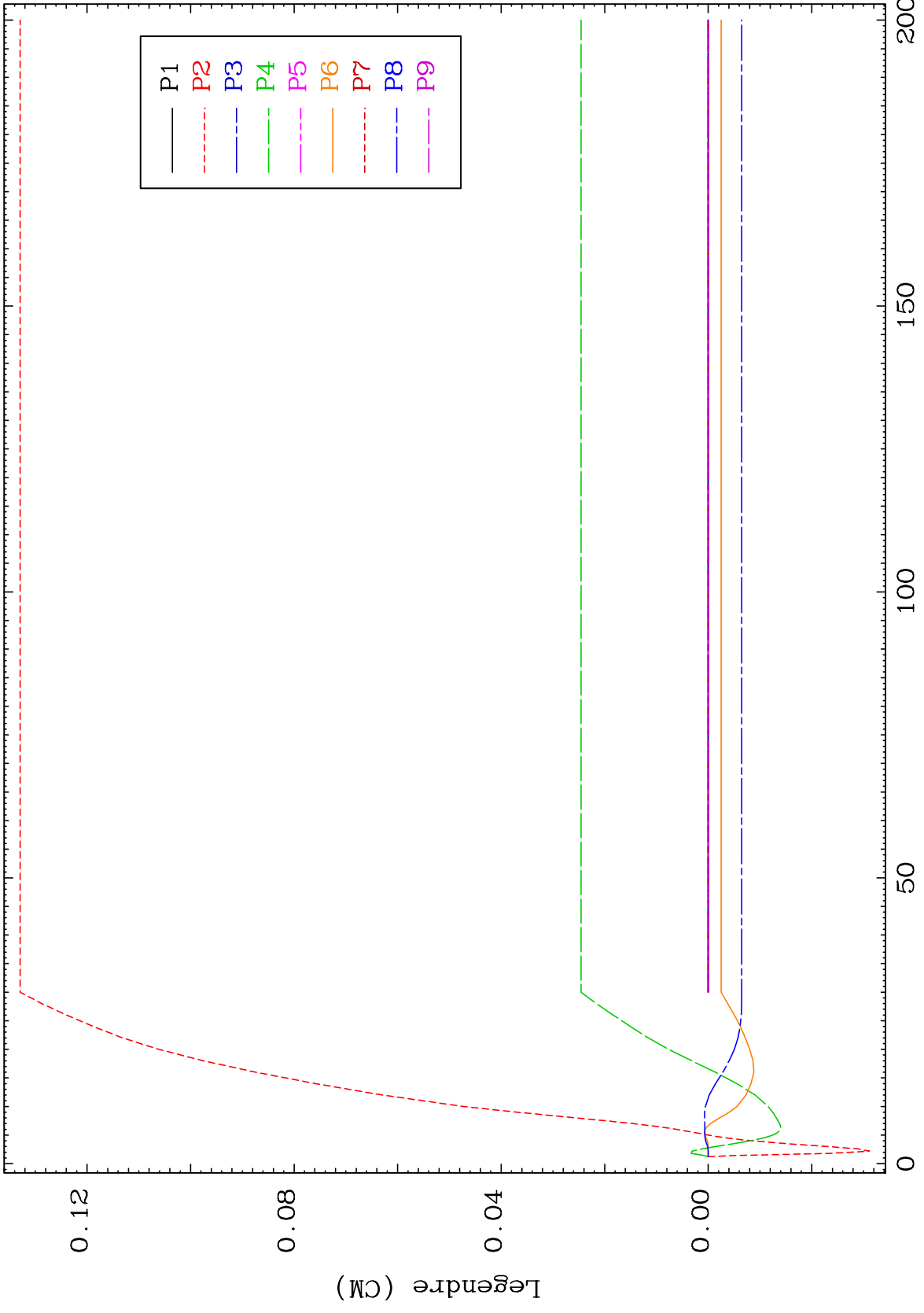


34

Incident Energy (MeV)

58-Ce-132

MAT 5813 MT= 55 (n,n') Level Legendre Coefficients 58-Ce-132

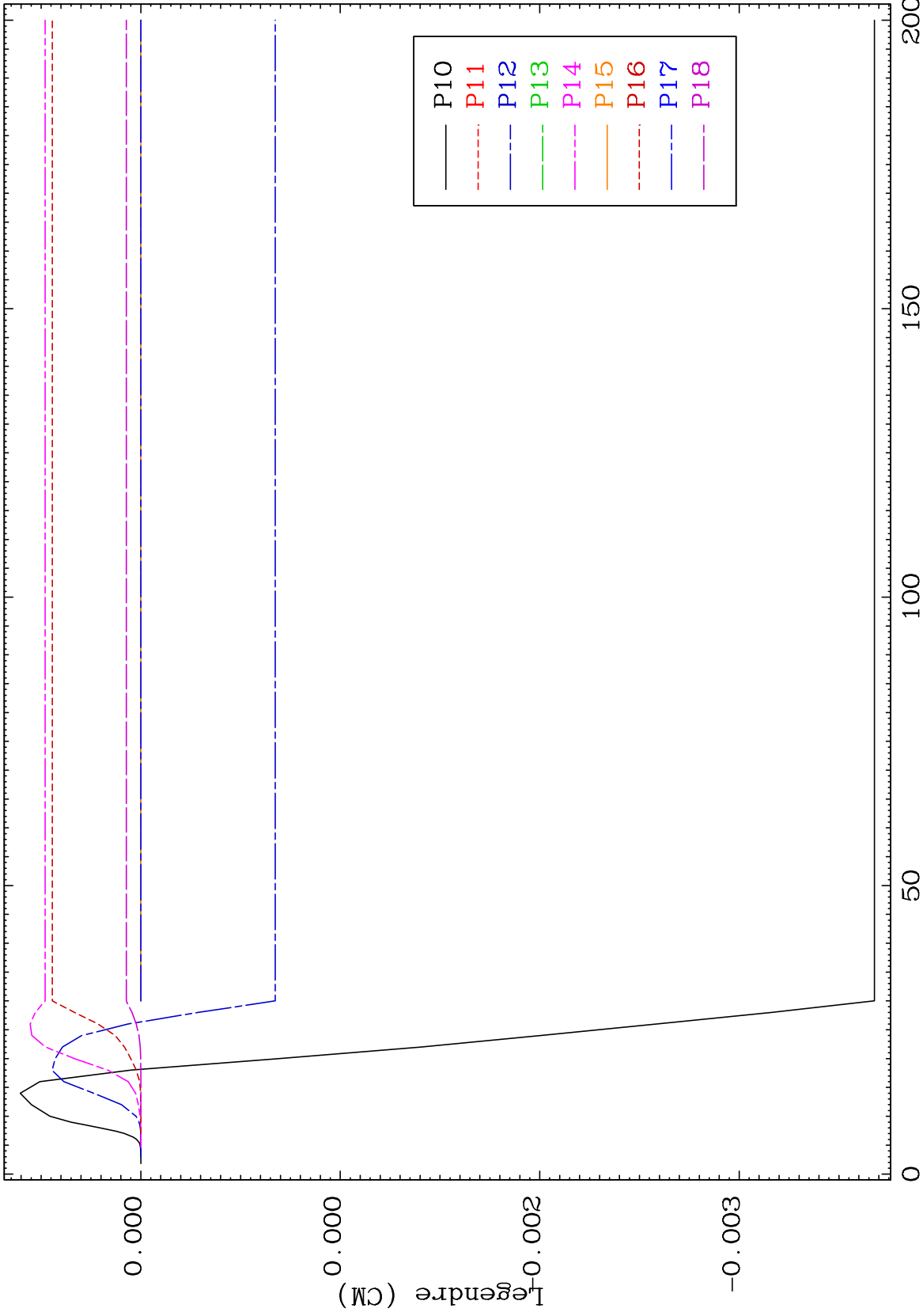


Legendre (CM) Incident Energy (MeV) 58-Ce-132

MAT 5813

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

58-Ce-132



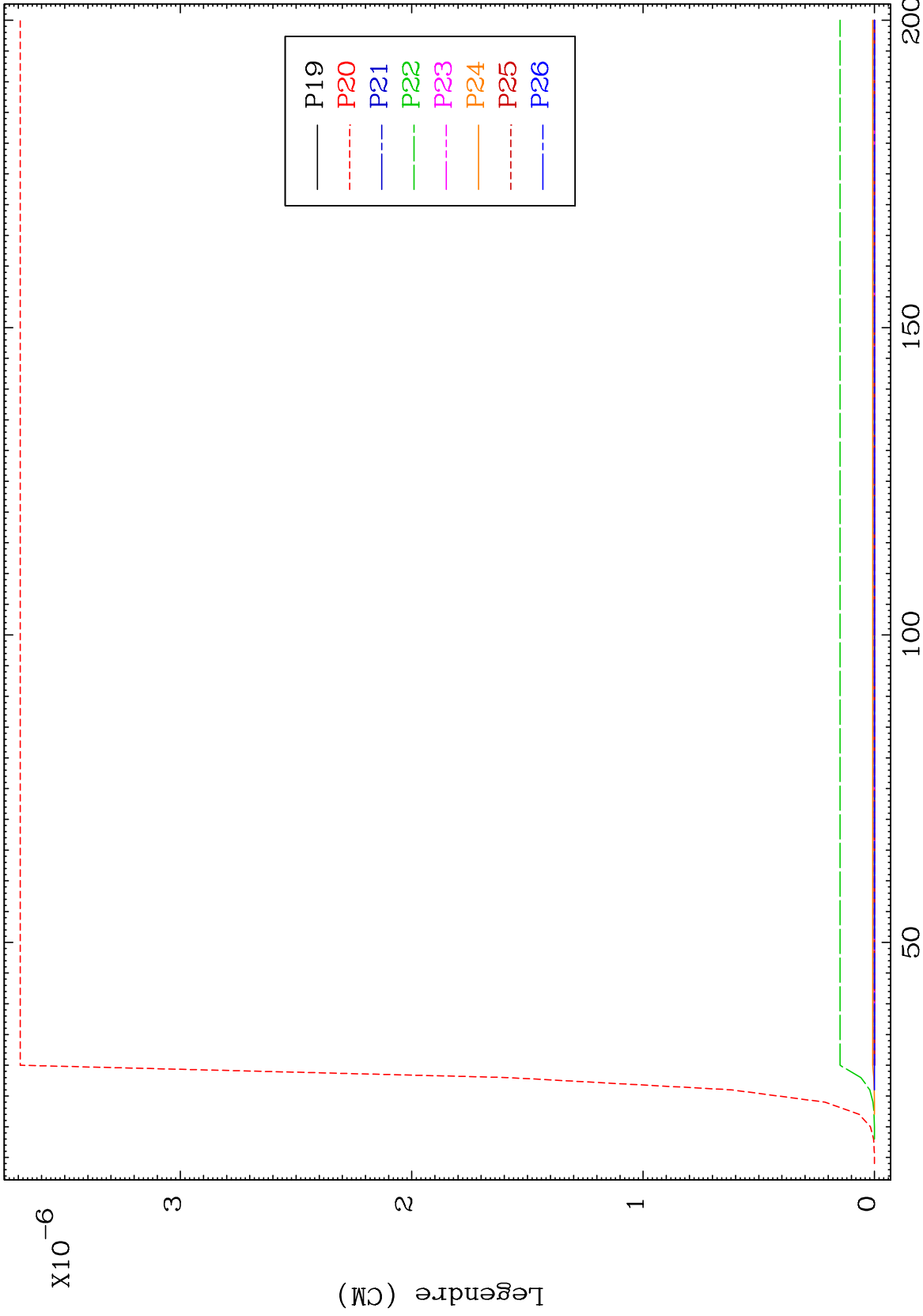
36

58-Ce-132

MAT 5813

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

58-Ce-132



37

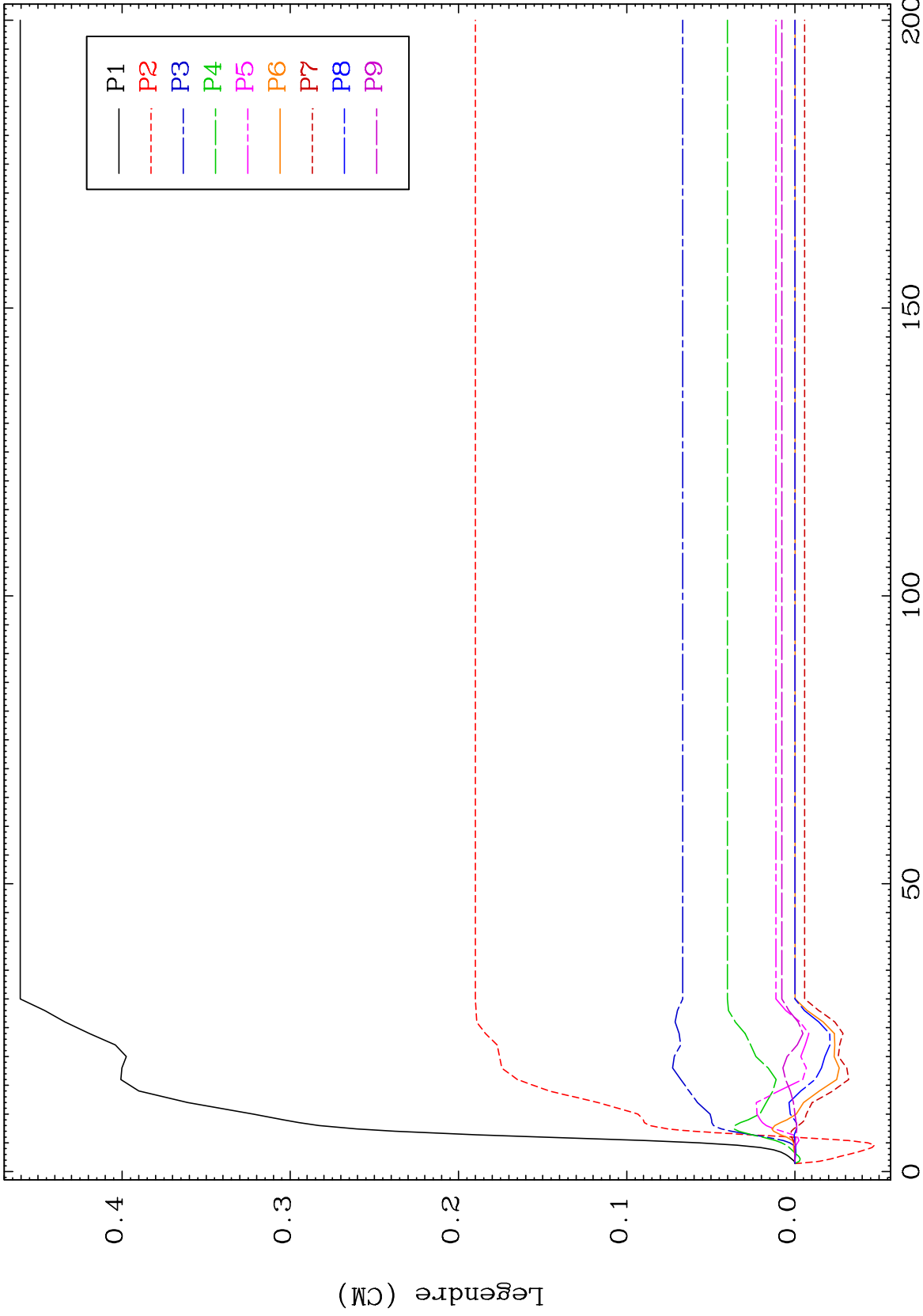
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



38

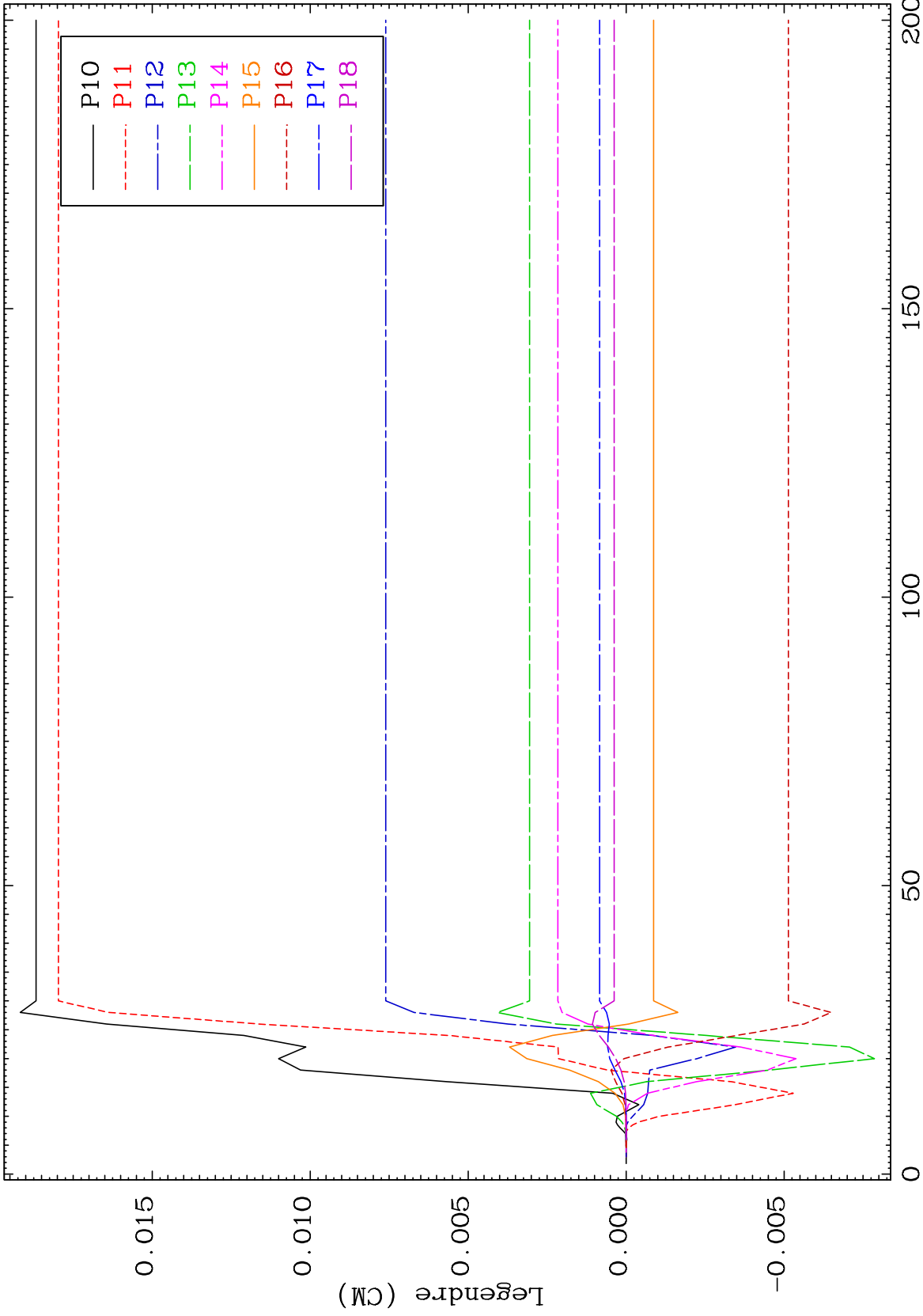
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



39

Incident Energy (MeV)

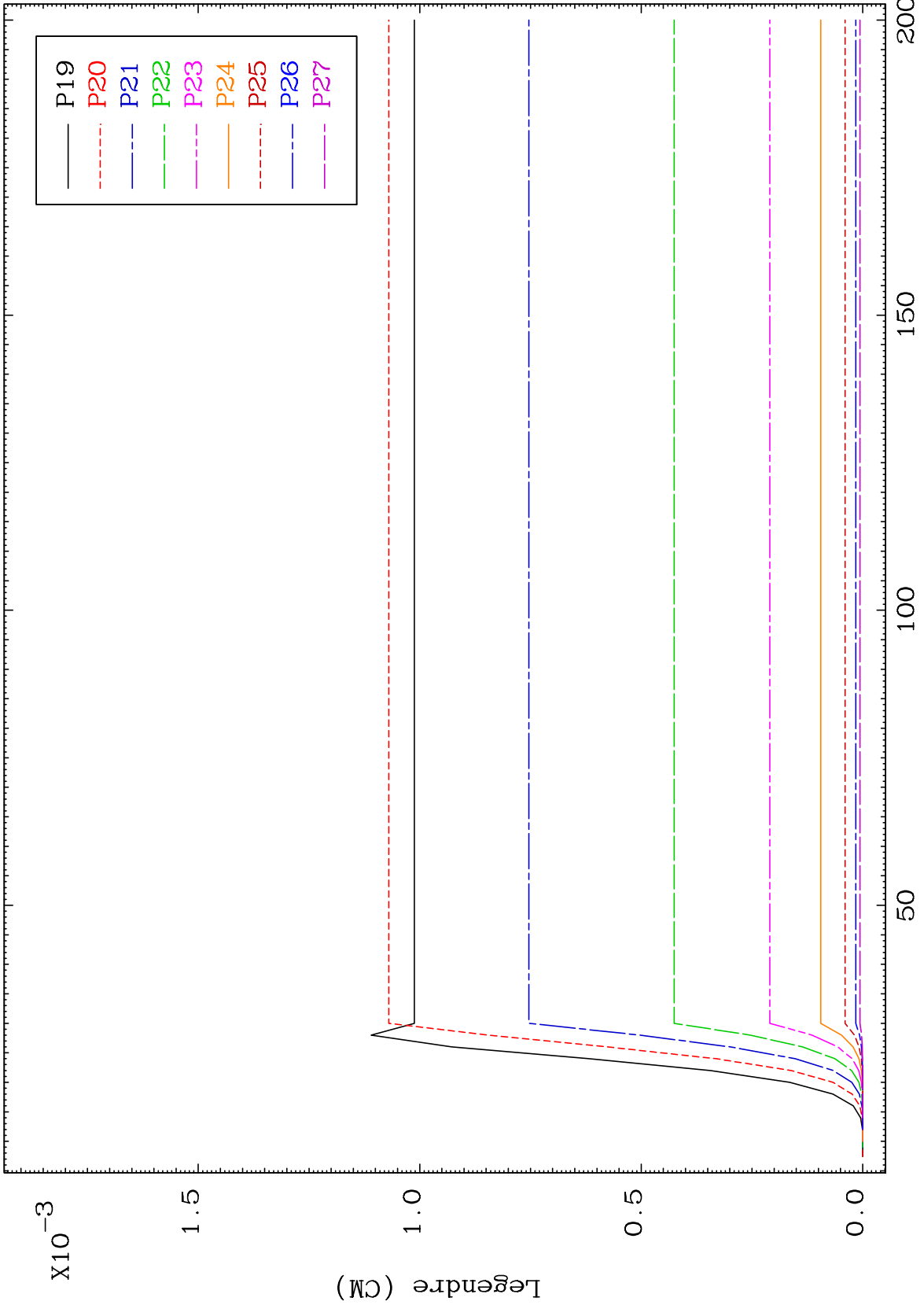
58-Ce-132



MAT 5813

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

58-Ce-132



40

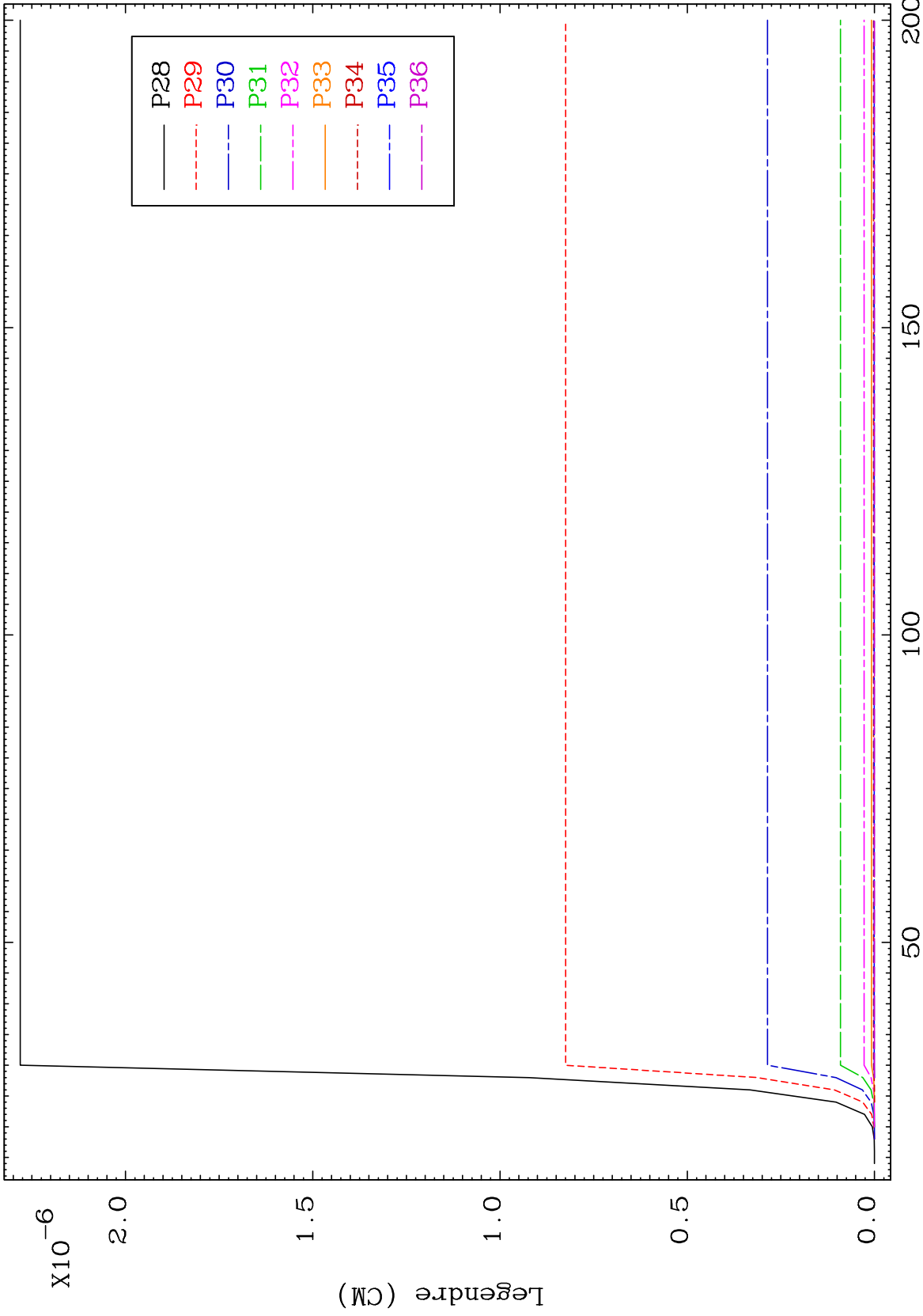
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



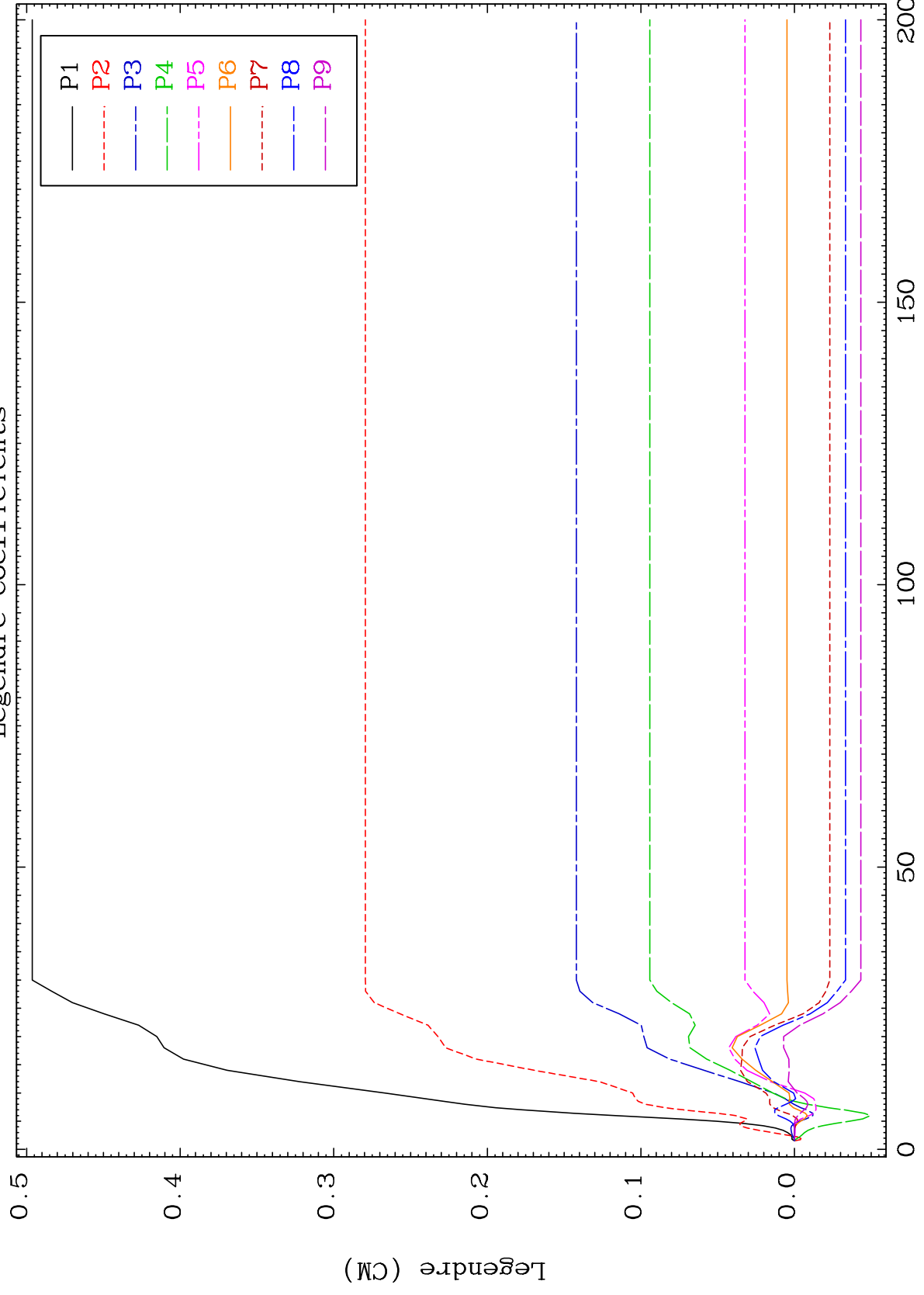
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58-Ce-132

MAT 5813

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

58-Ce-132



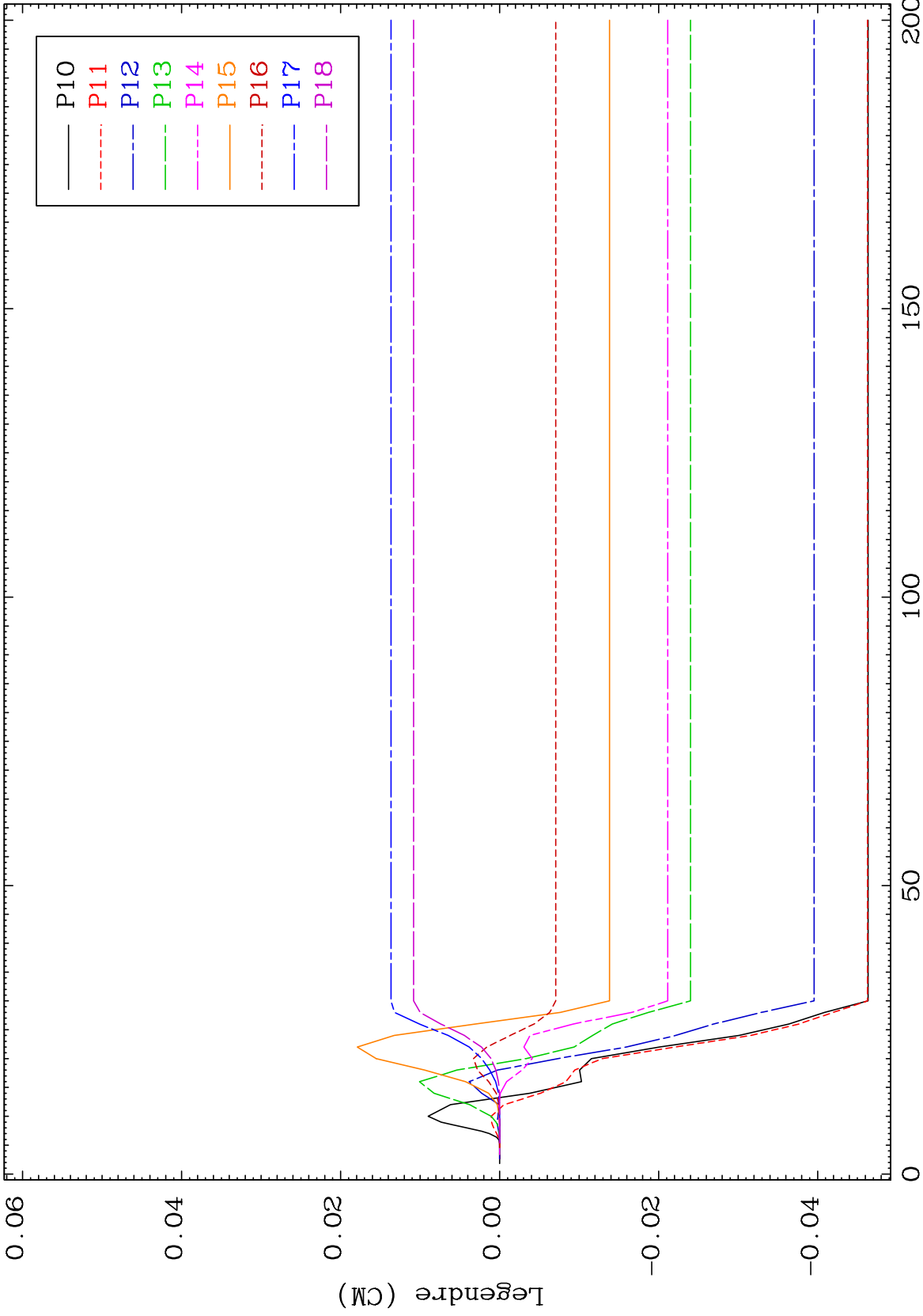
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58-Ce-132

MAT 5813

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

58-Ce-132



43

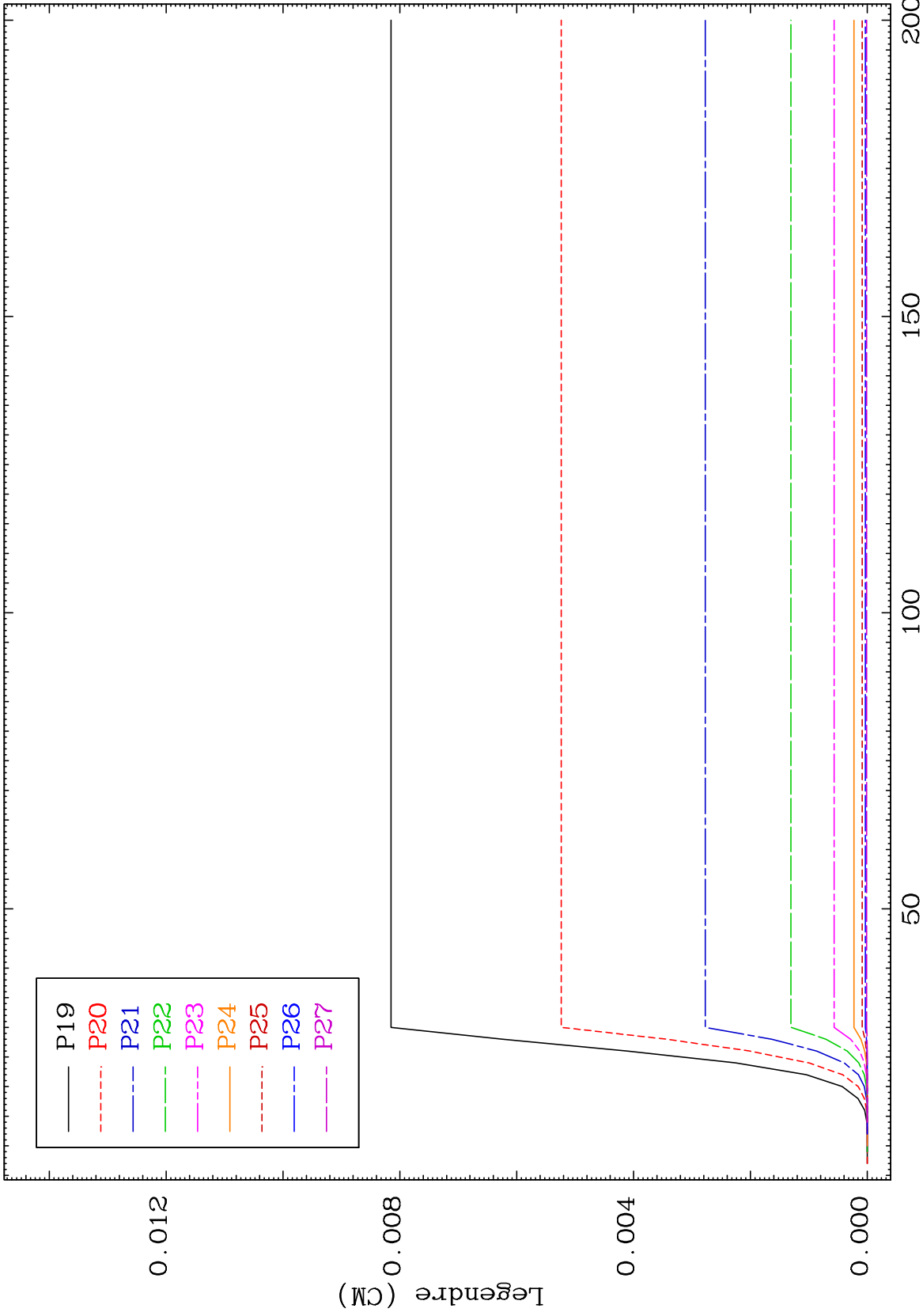
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



44

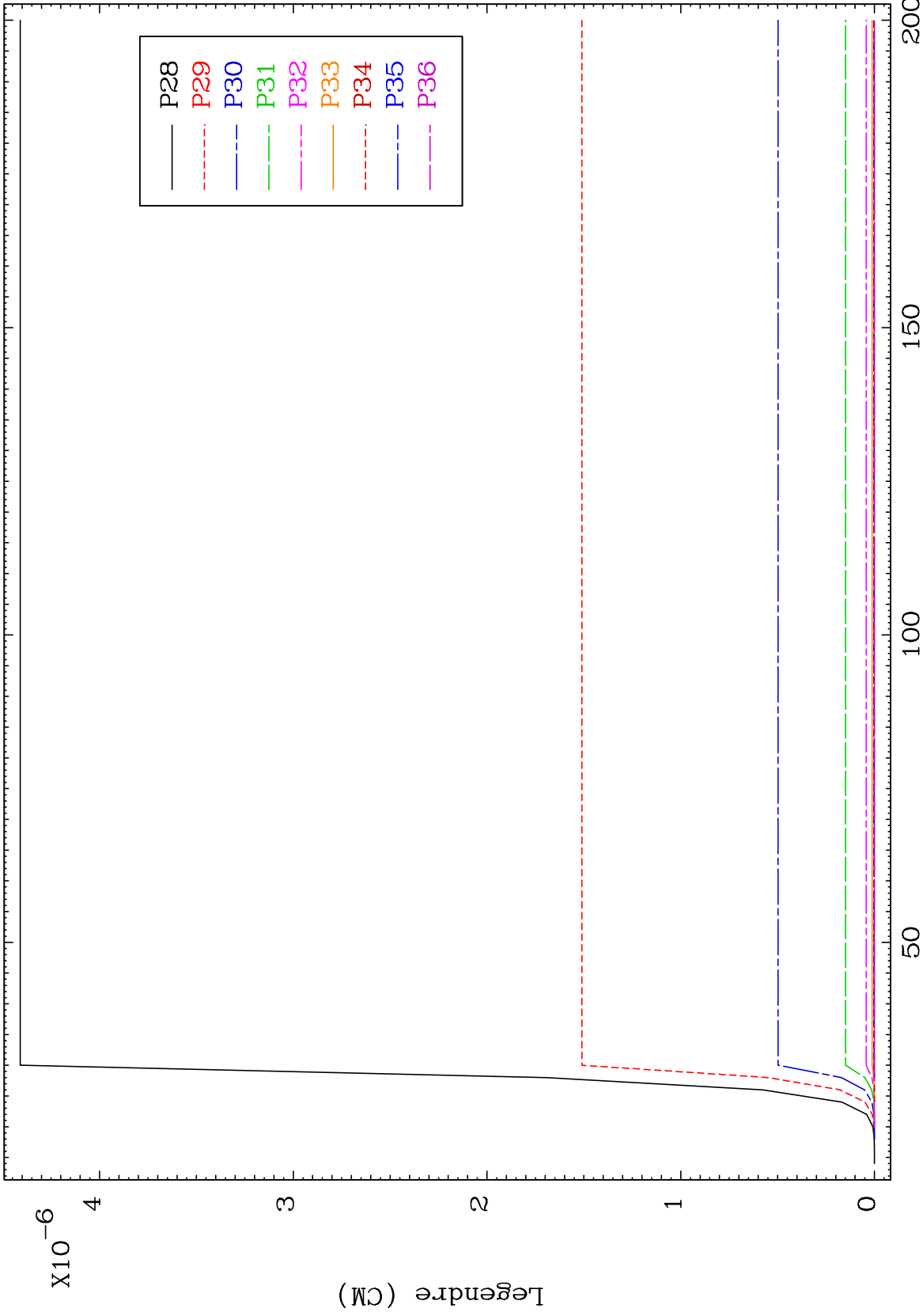
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



45

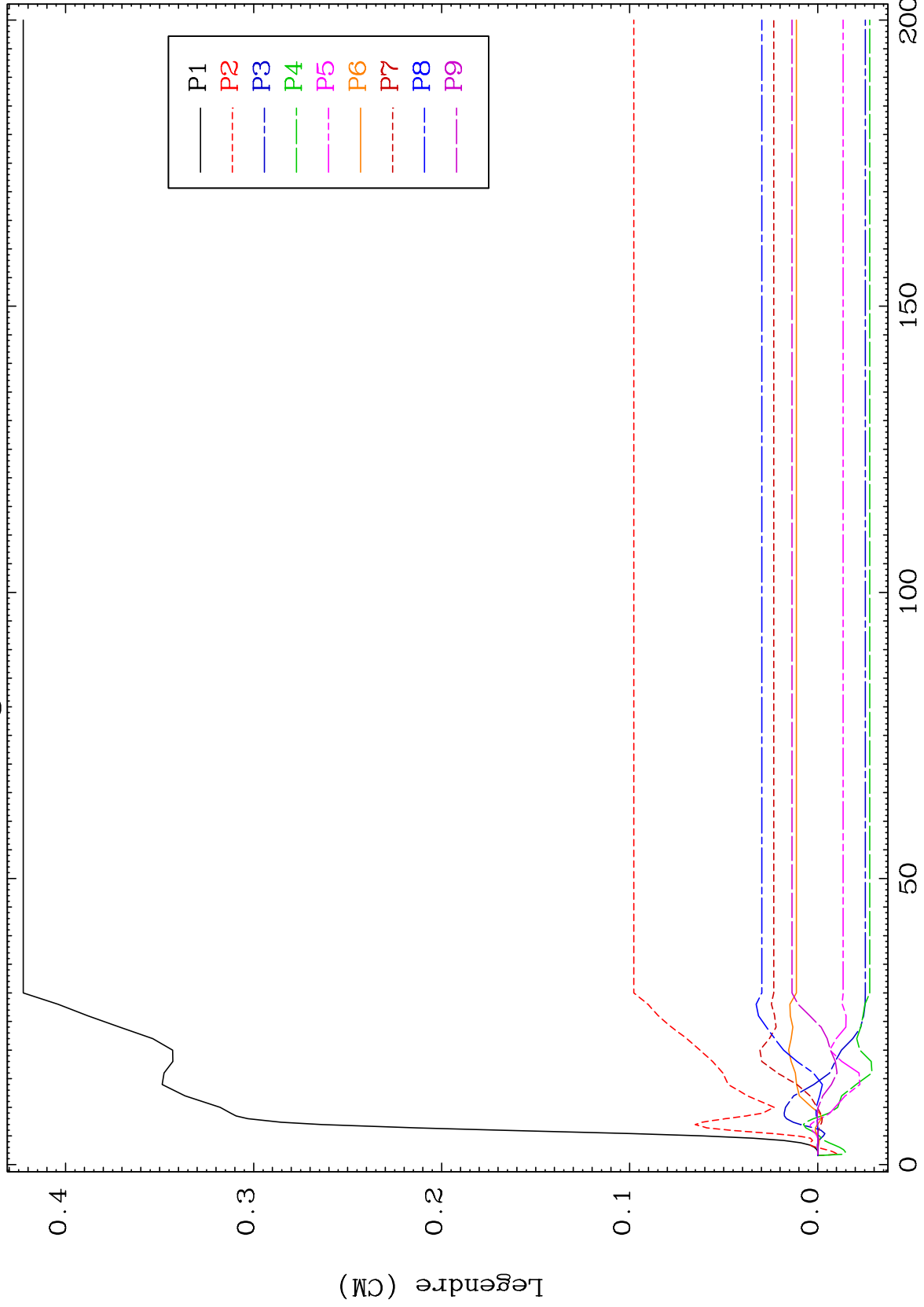
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



46

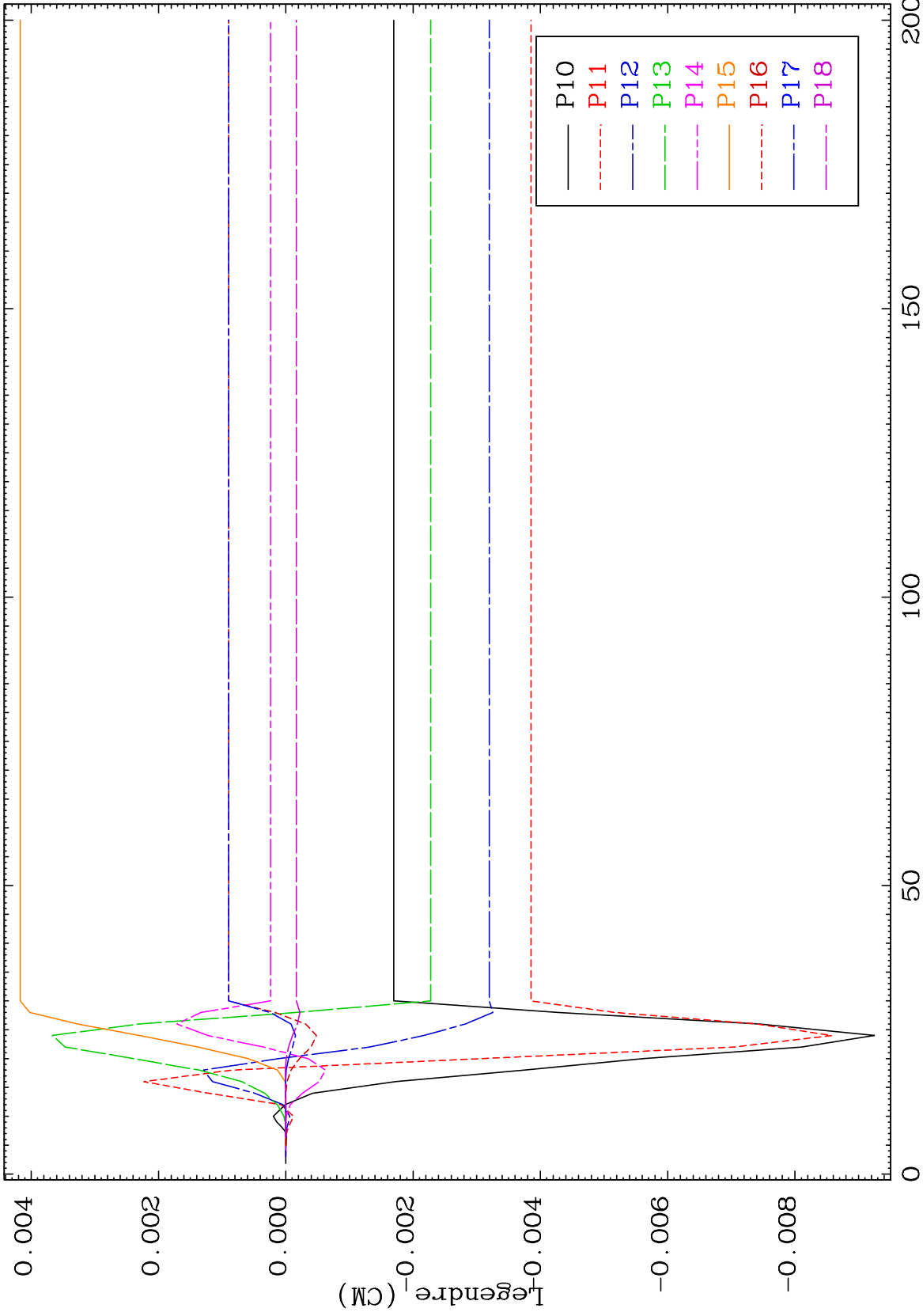
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



47

Incident Energy (MeV)

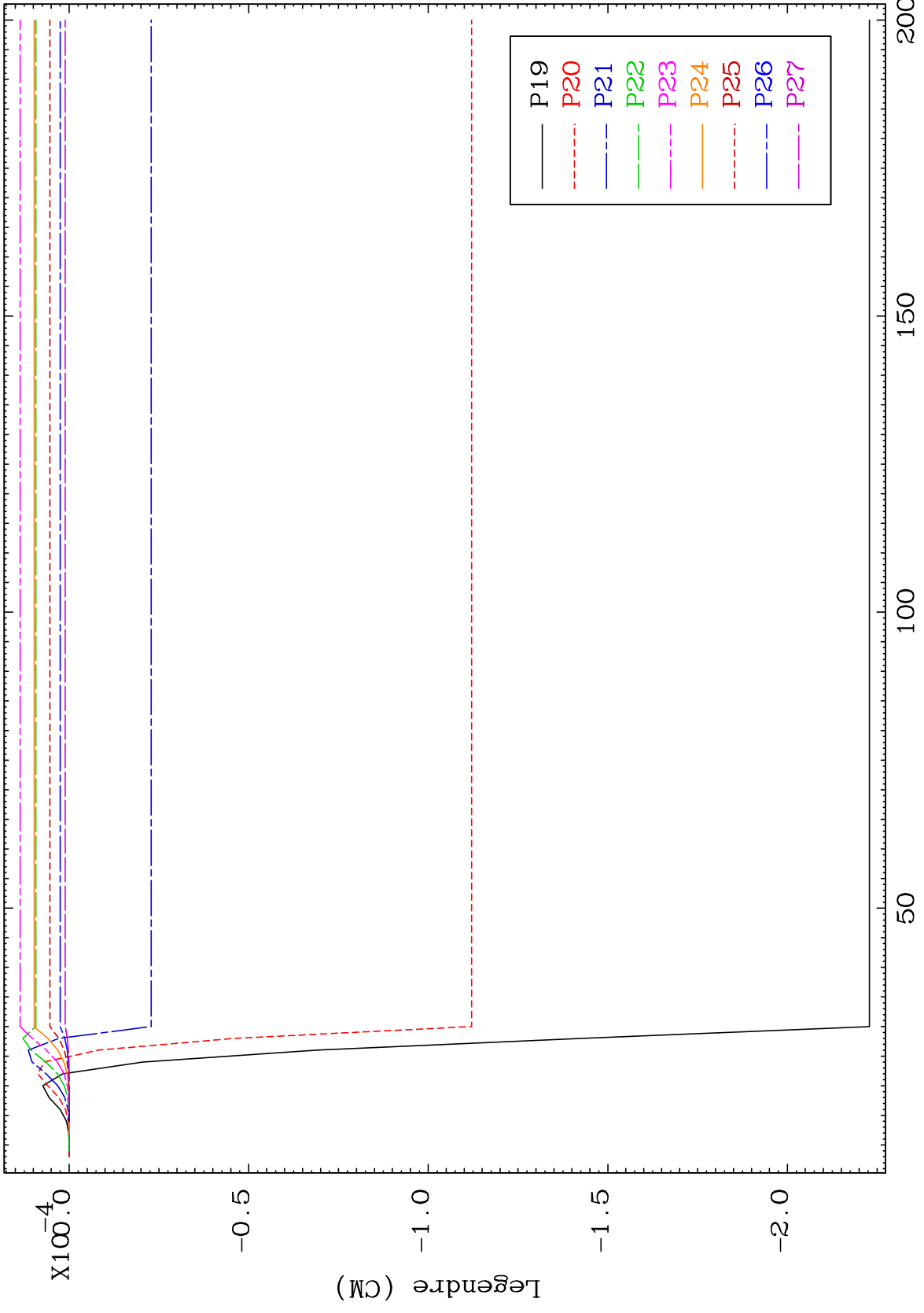
58-Ce-132



MAT 5813

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

58-Ce-132



58-Ce-132

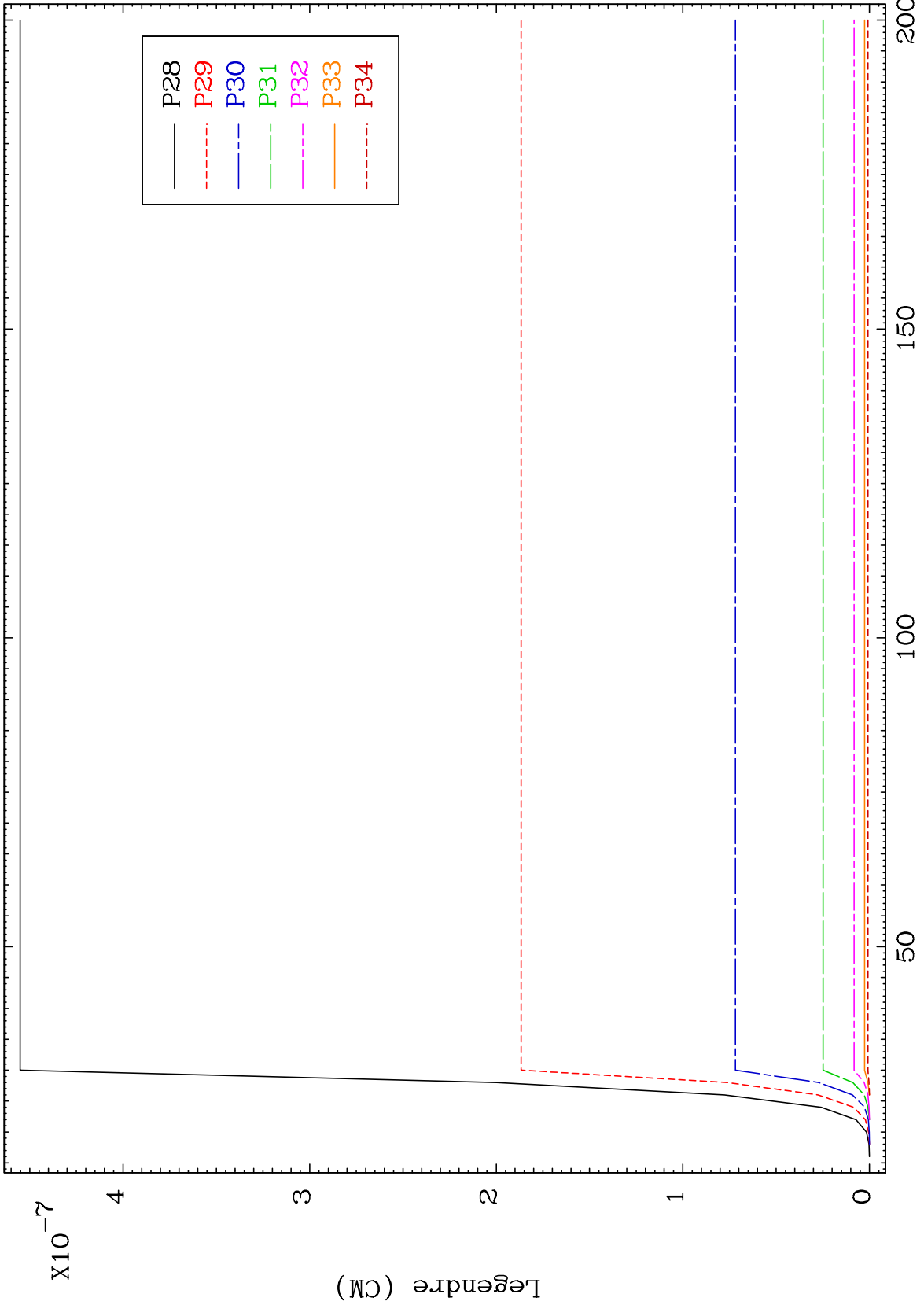
Incident Energy (MeV)

48

MAT 5813

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

58-Ce-132



49

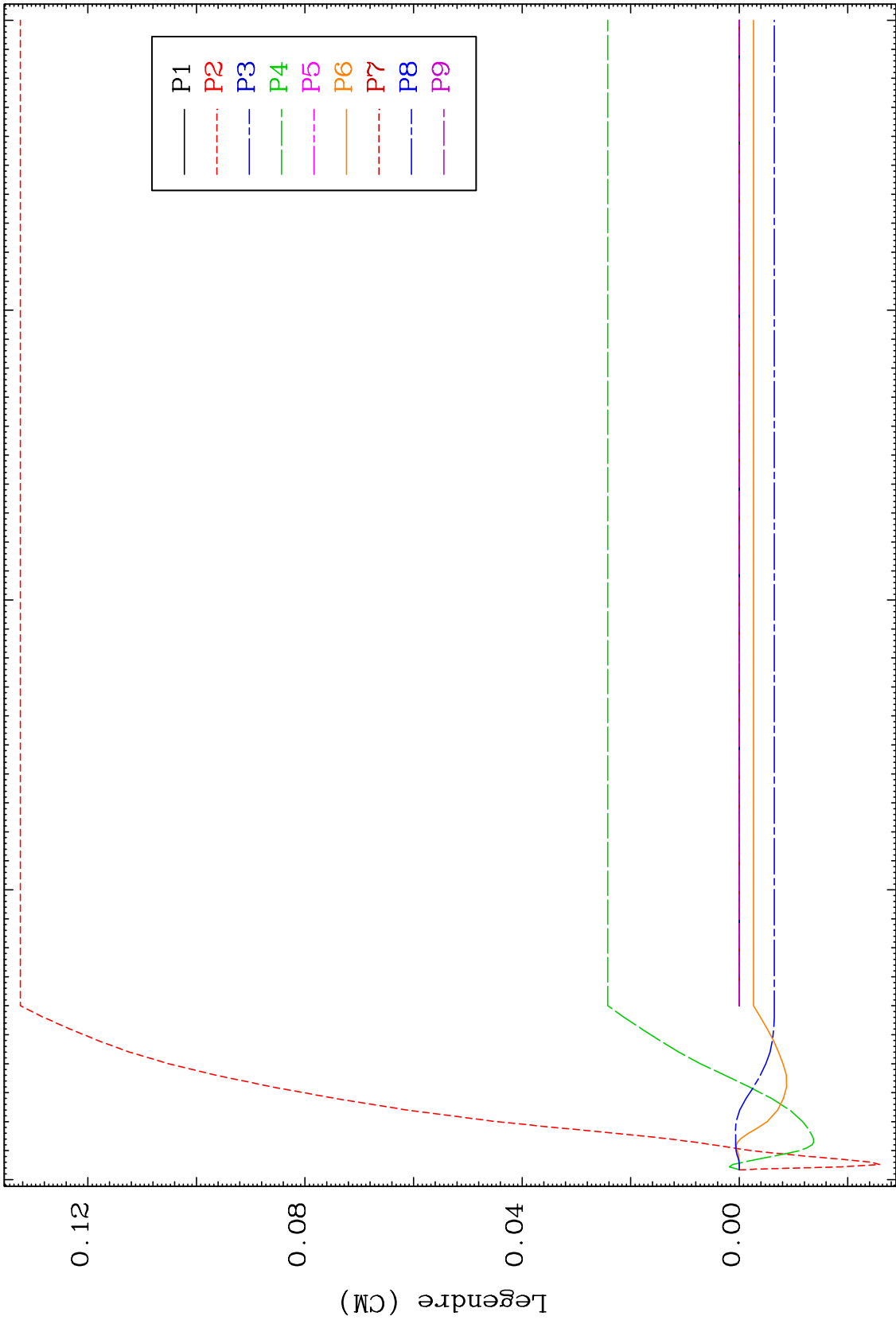
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



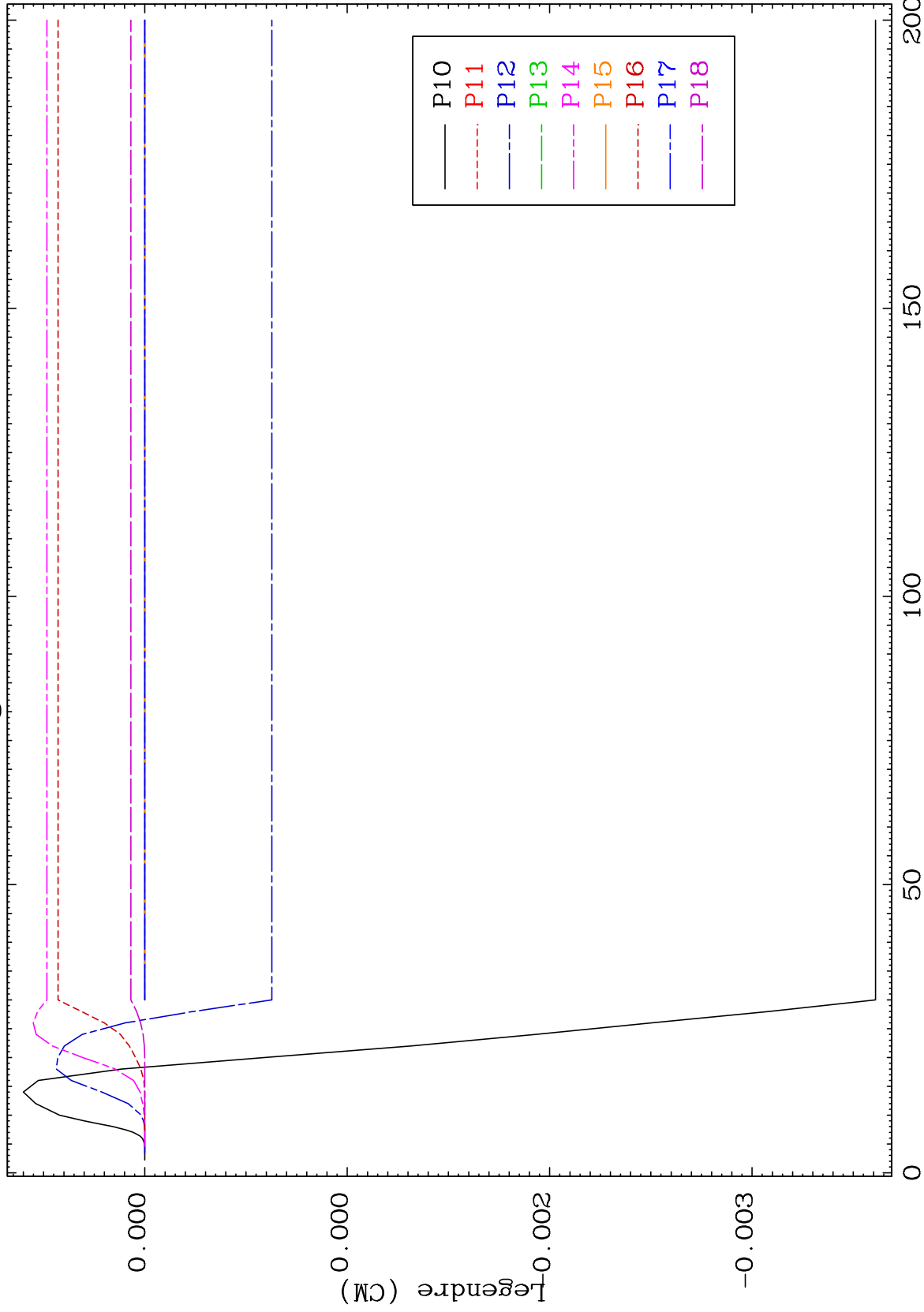
58-Ce-132

Incident Energy (MeV)

MAT 5813

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

58-Ce-132



51

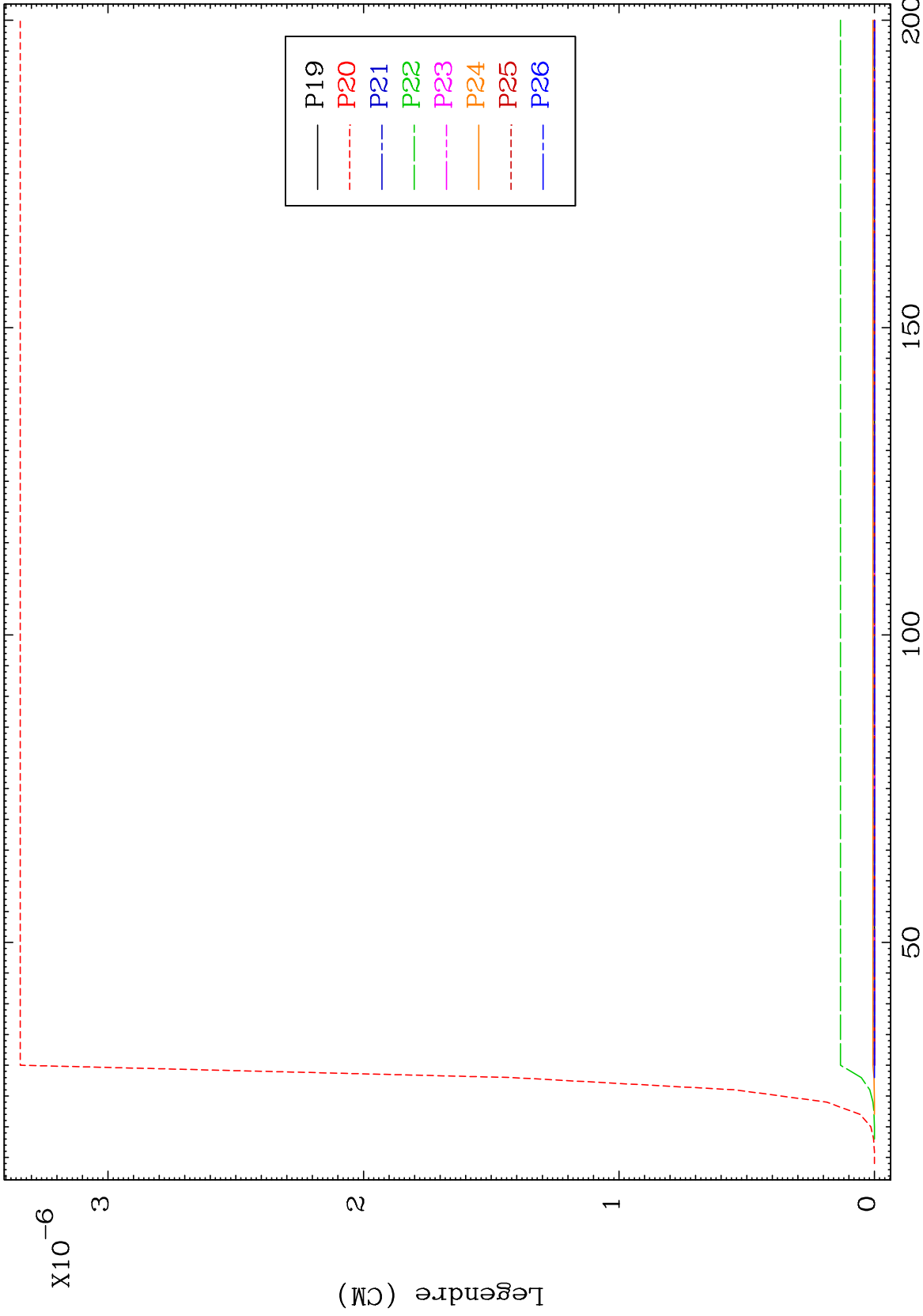
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132

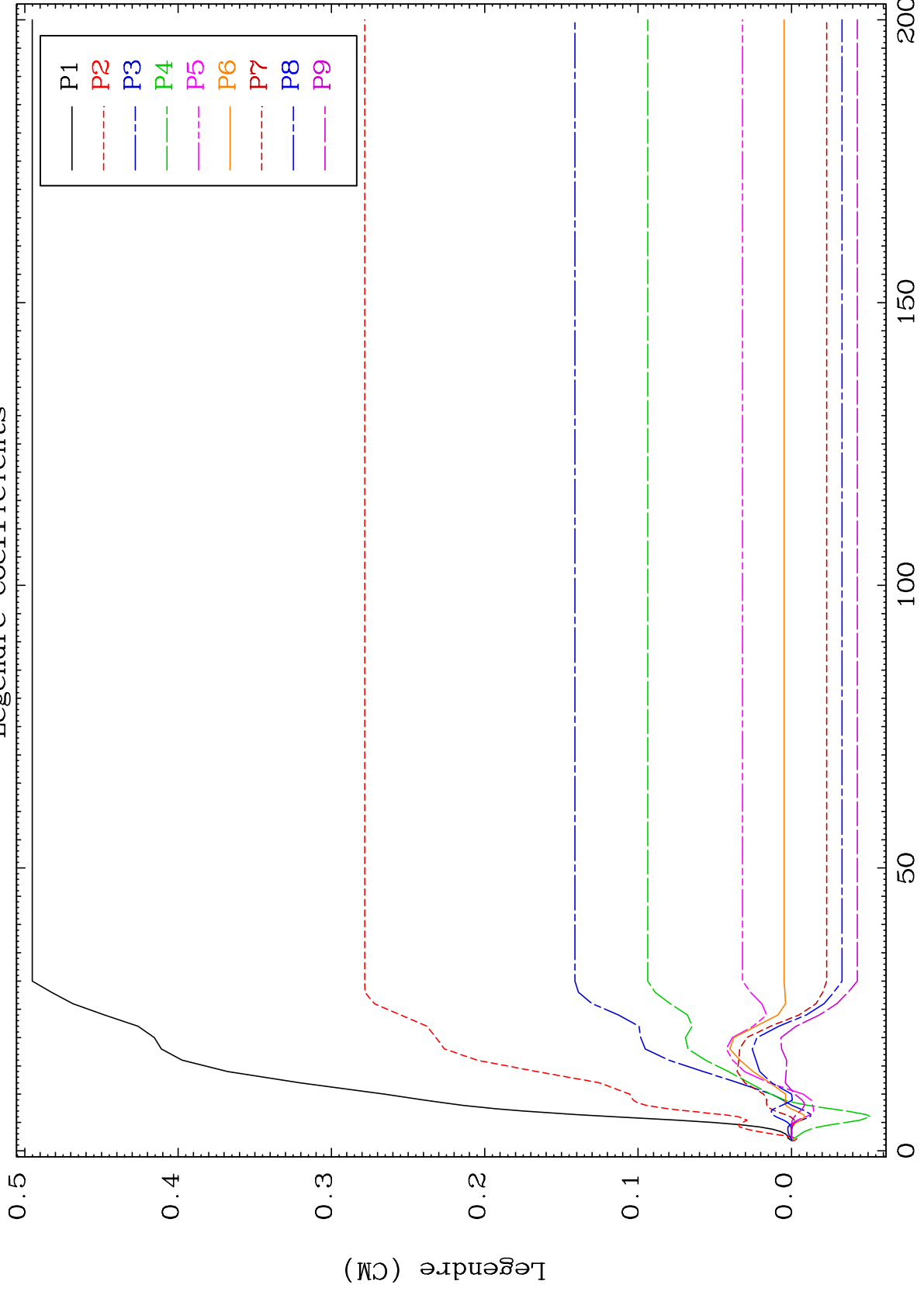


52

Incident Energy (MeV)

58-Ce-132

MAT 5813 MT= 60 (n,n') Level Legendre Coefficients 58-Ce-132

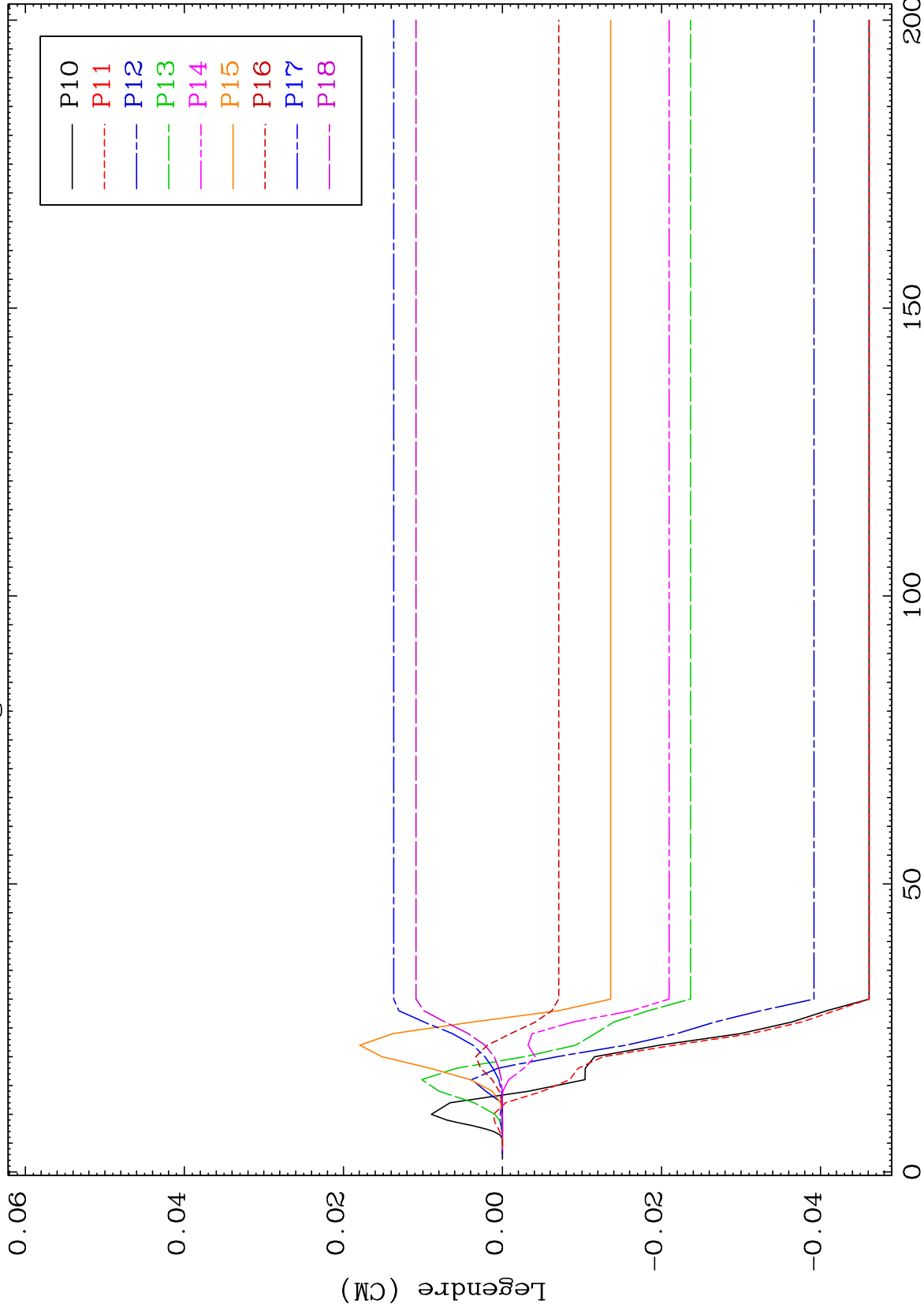


53 58-Ce-132

MAT 5813

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

58-Ce-132



54

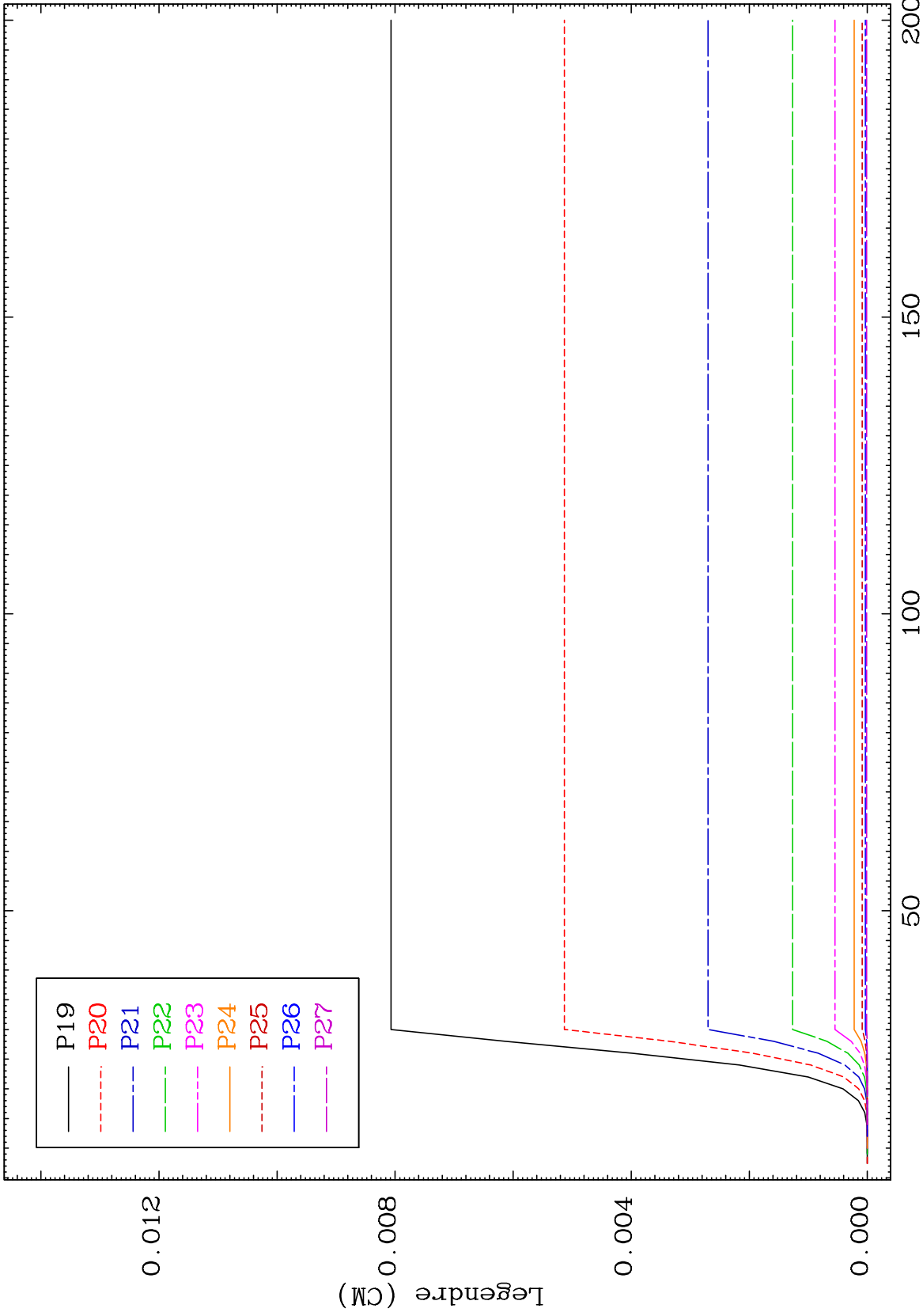
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



55

Incident Energy (MeV)

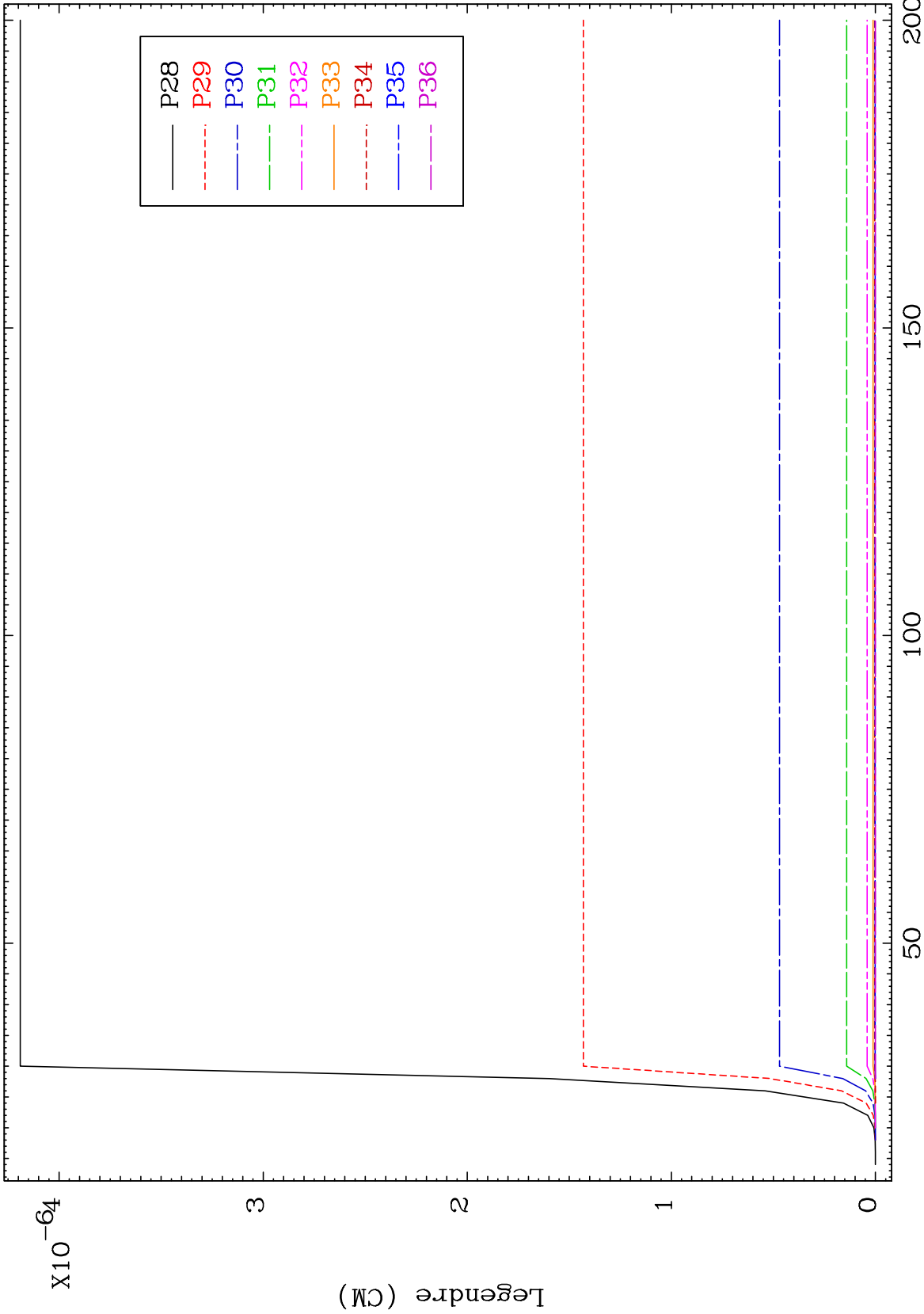
58-Ce-132



MAT 5813

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

58-Ce-132

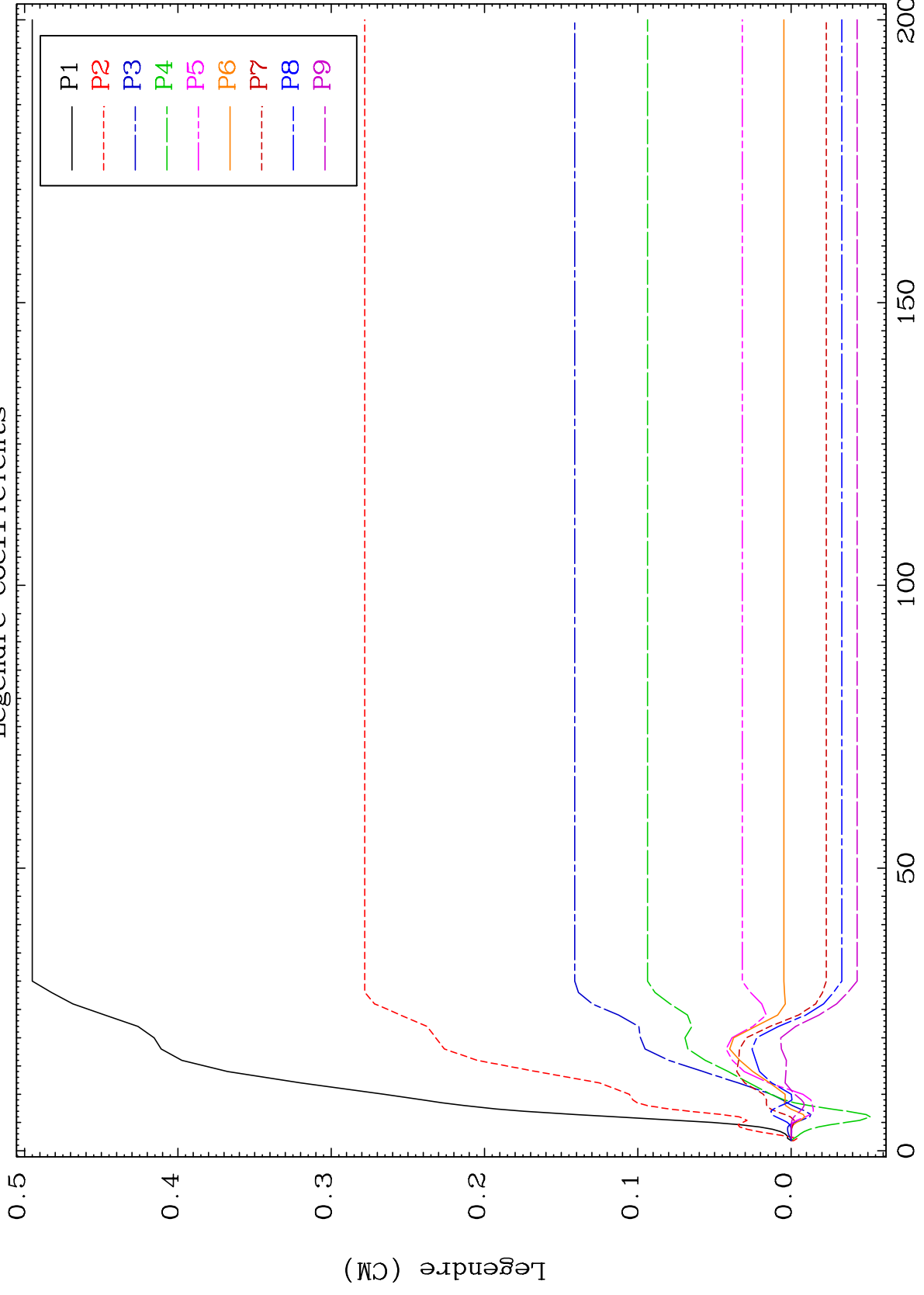


56

Incident Energy (MeV)

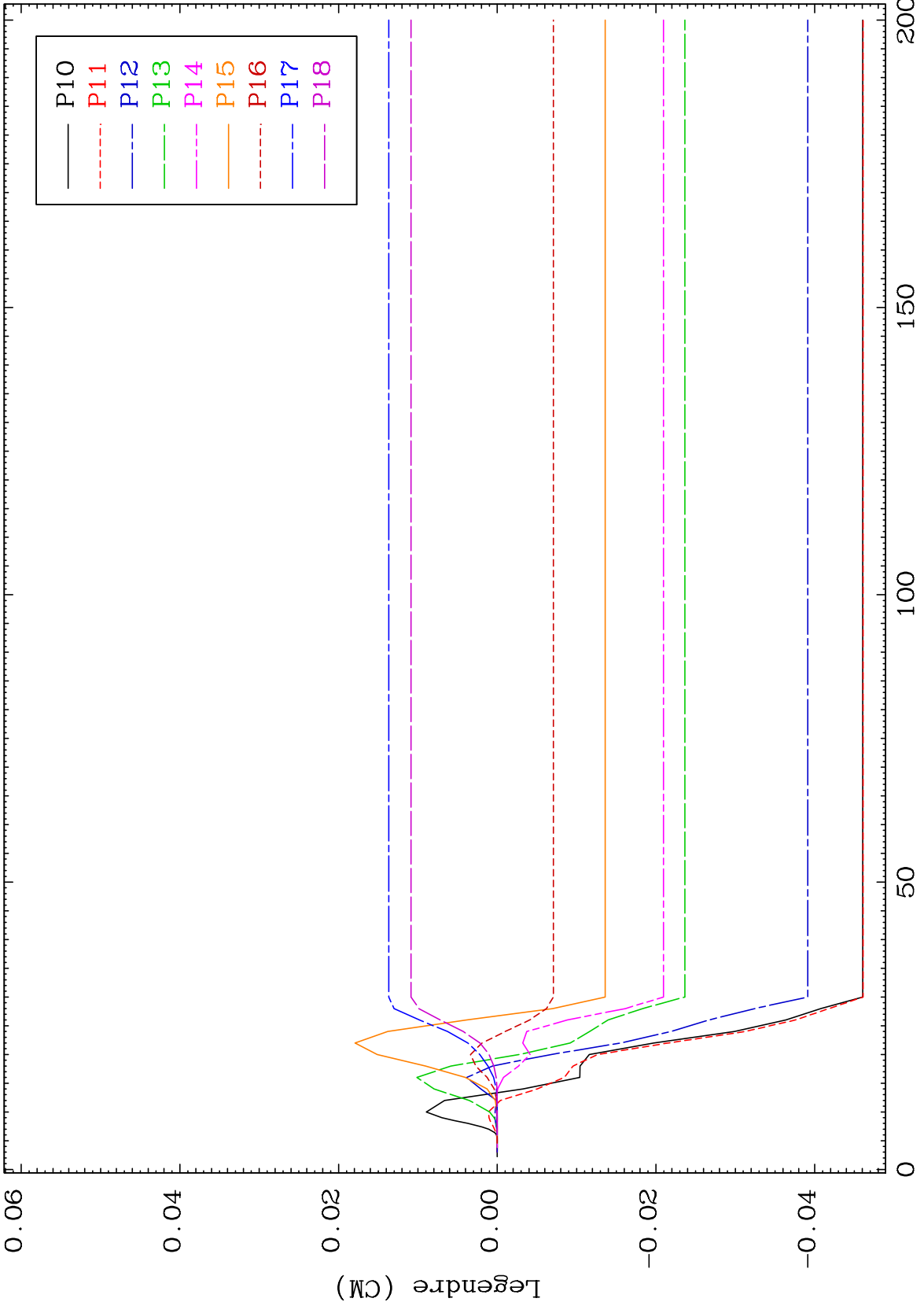
58-Ce-132

MAT 5813 MT= 61 (n,n') Level Legendre Coefficients 58-Ce-132



57 58-Ce-132

MAT 5813 MT= 61 (n,n') Level Legendre Coefficients 58-Ce-132

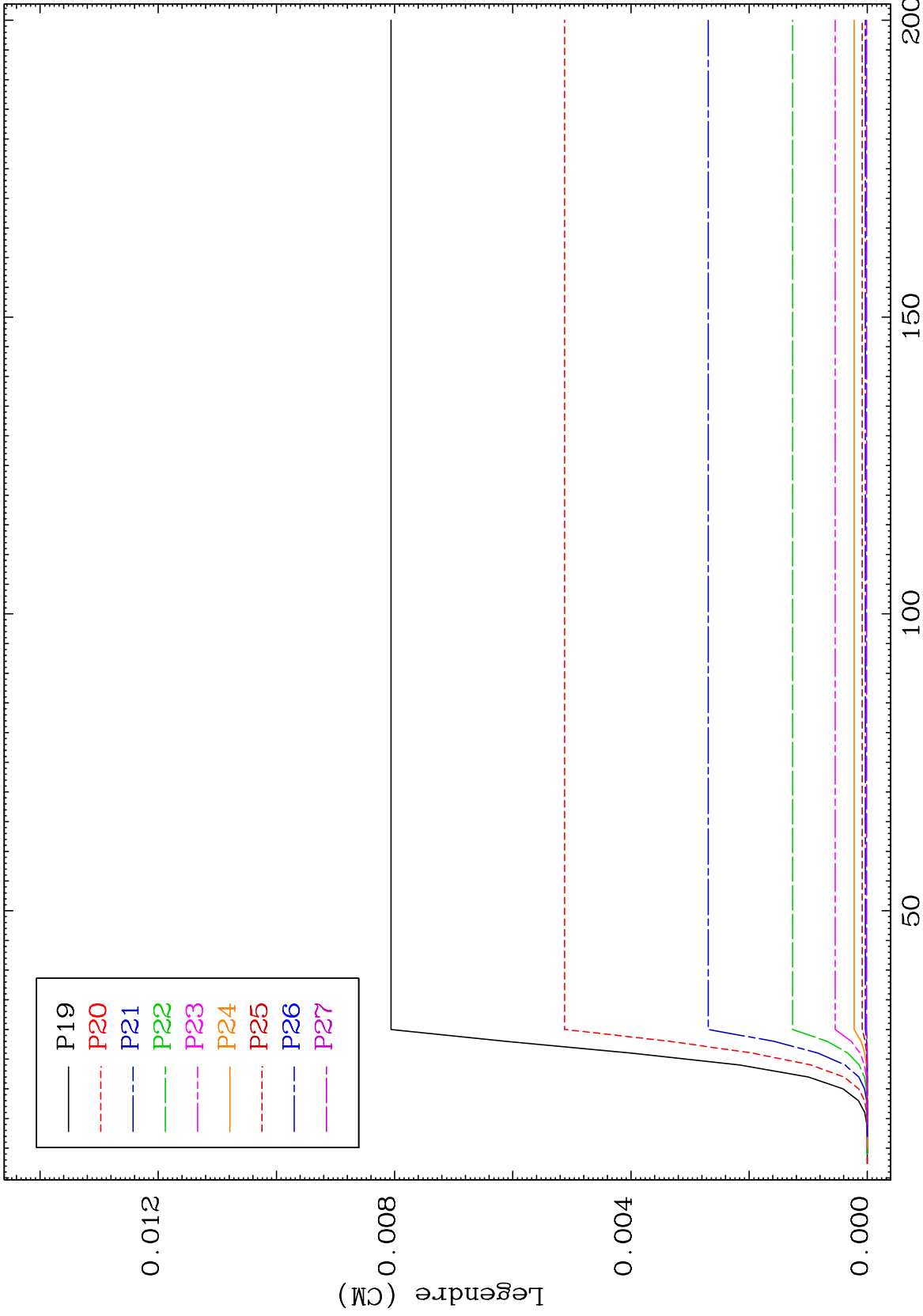


58 58-Ce-132

MAT 5813

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

58-Ce-132



59

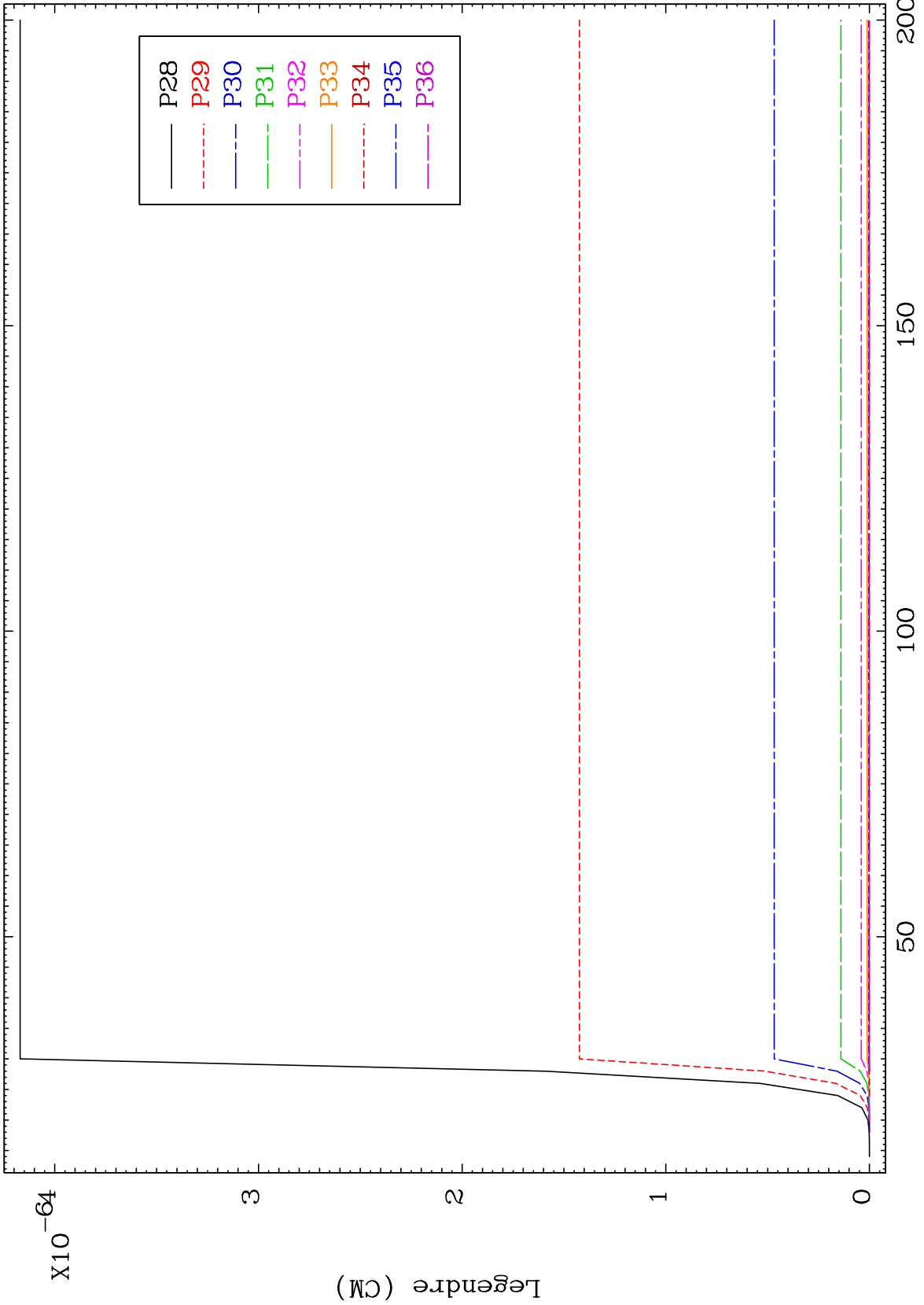
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



60

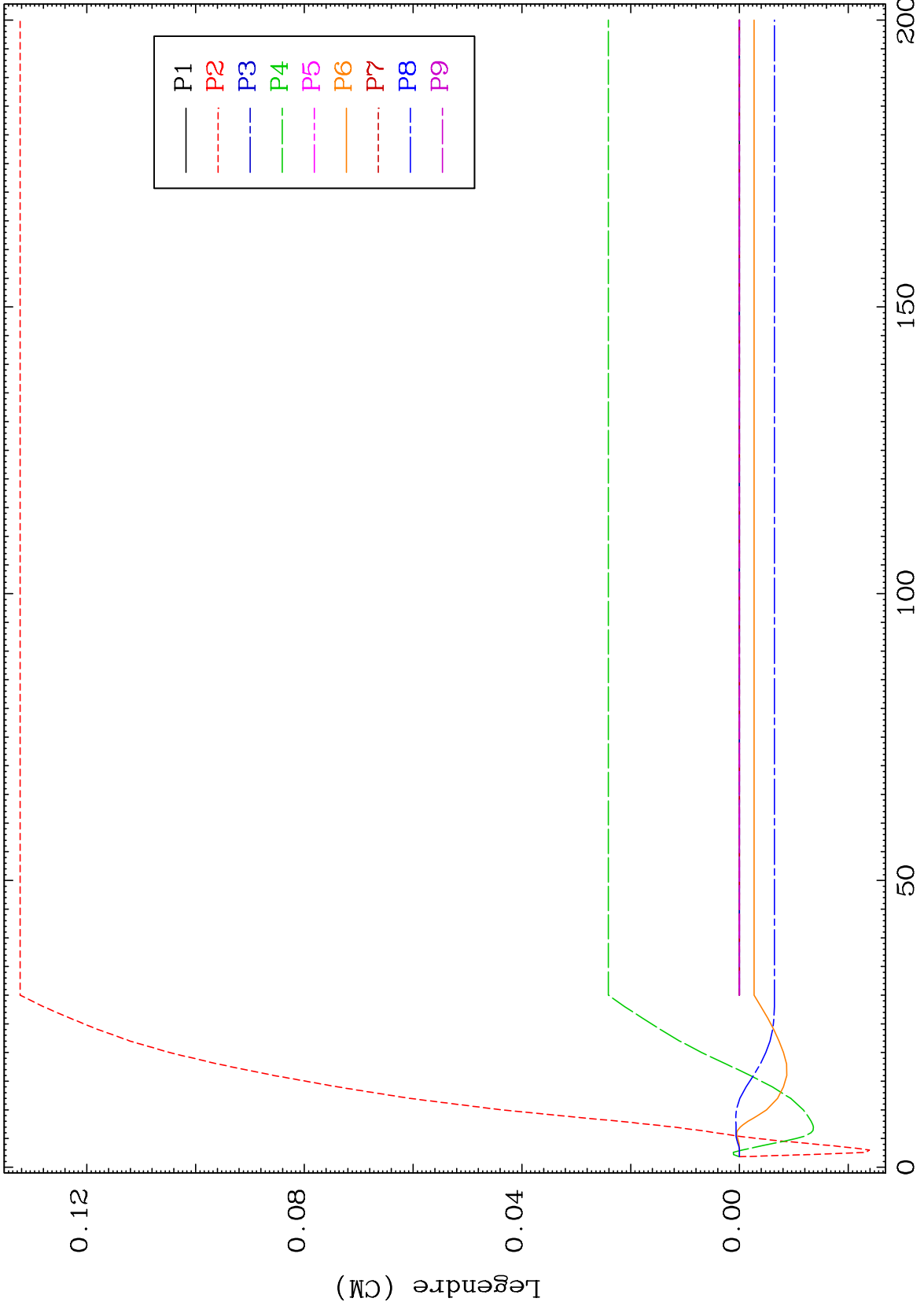
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



61

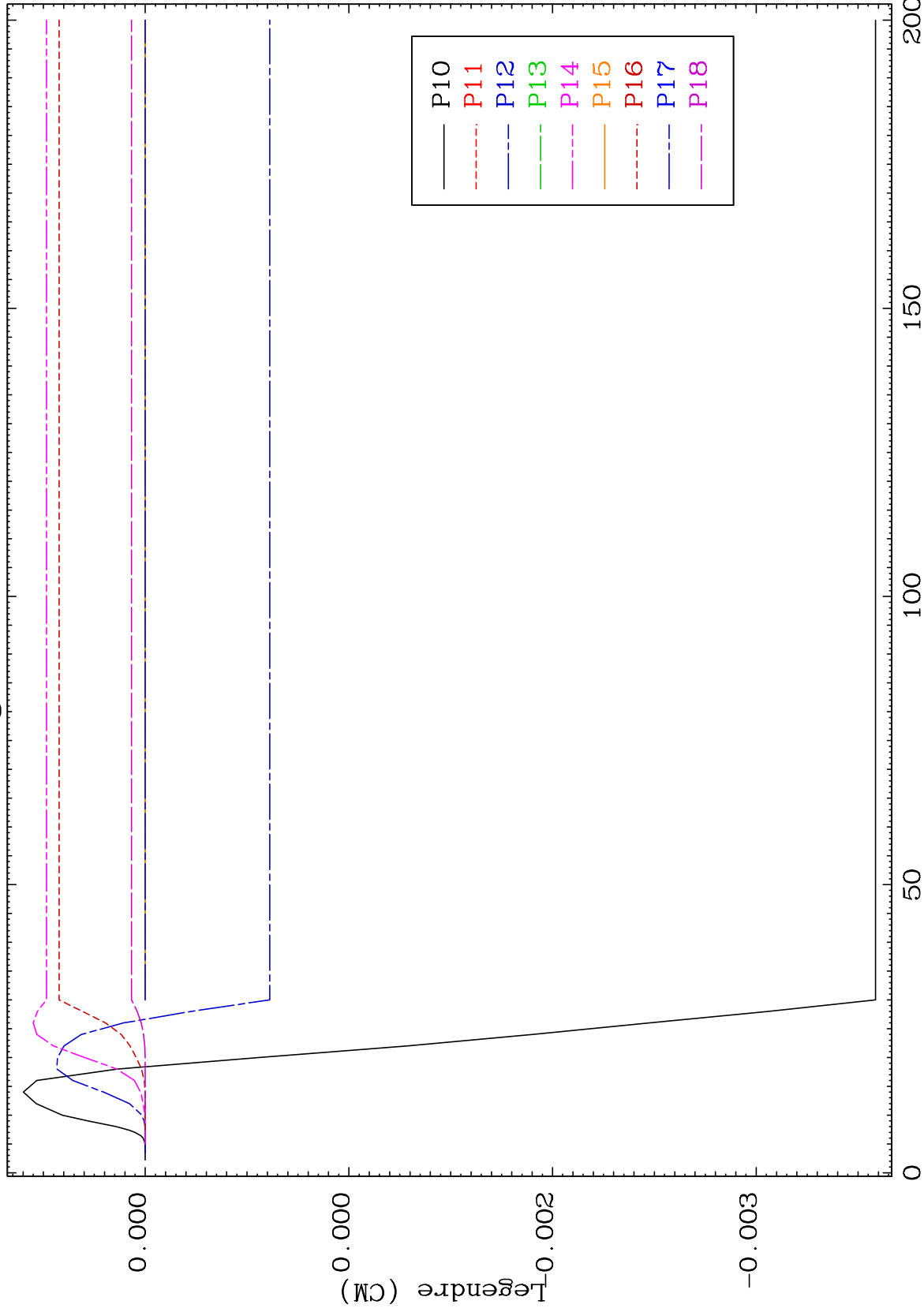
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



62

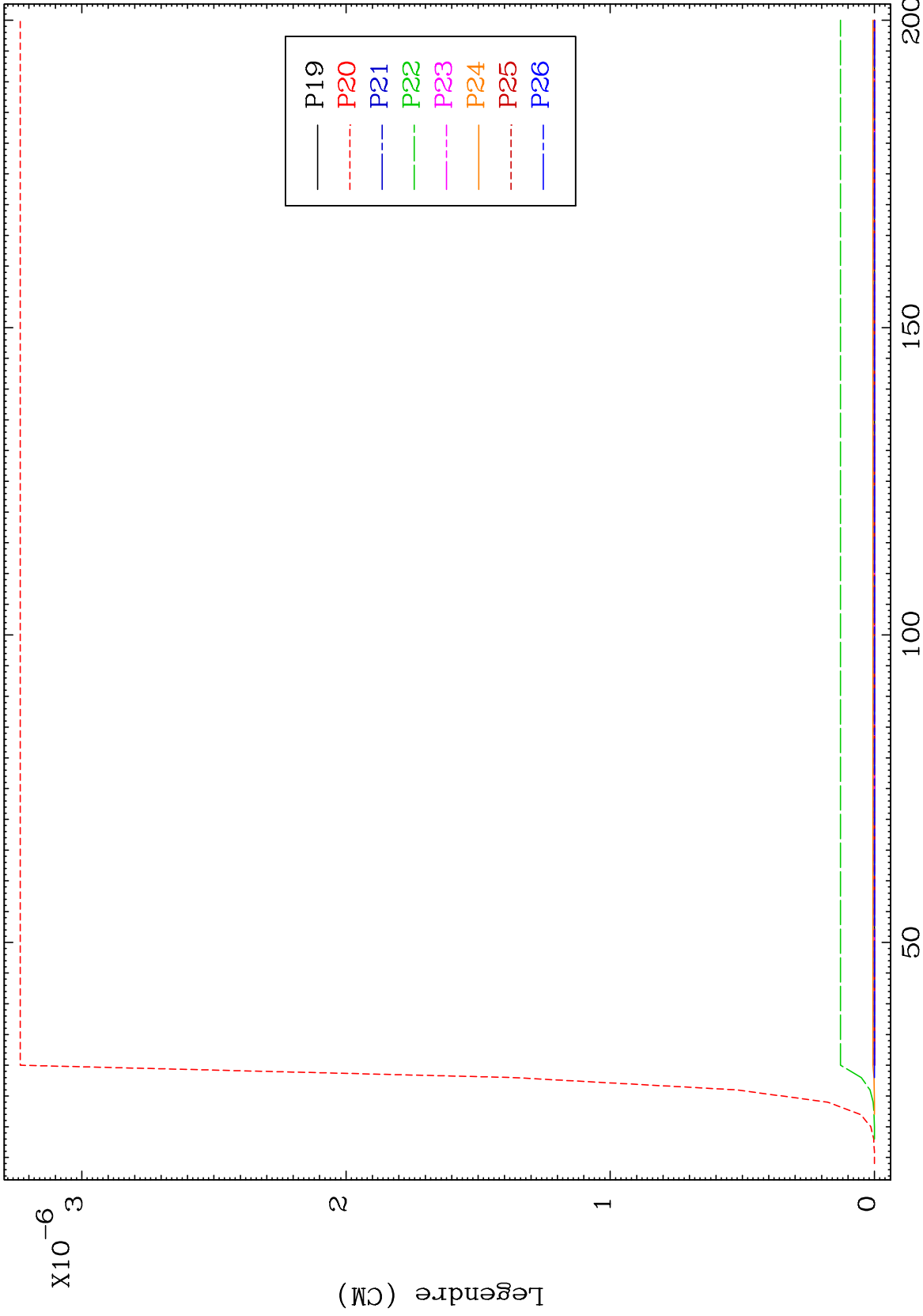
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



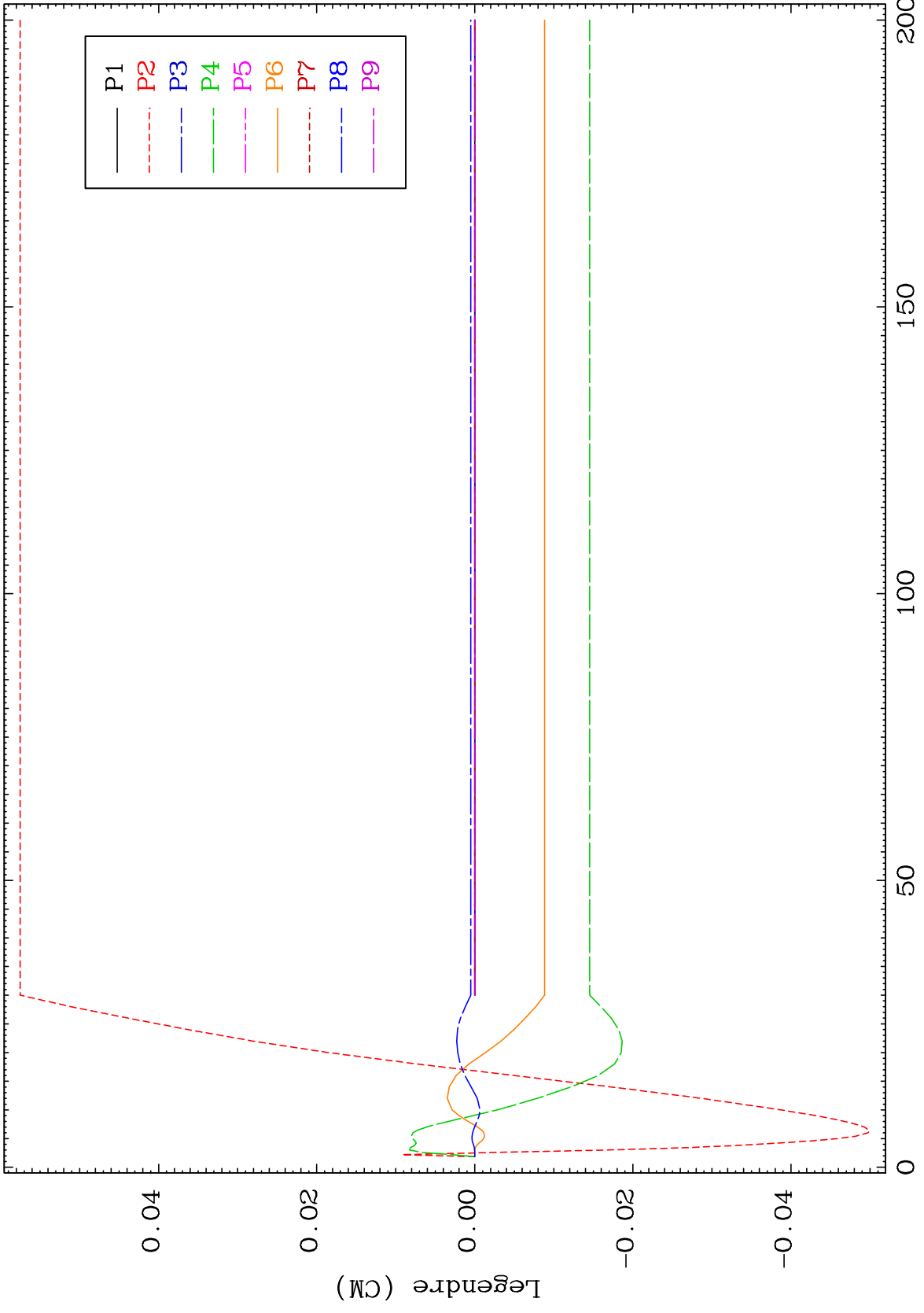
63

Incident Energy (MeV)

58-Ce-132



MAT 5813 MT= 63 (n,n') Level Legendre Coefficients 58-Ce-132

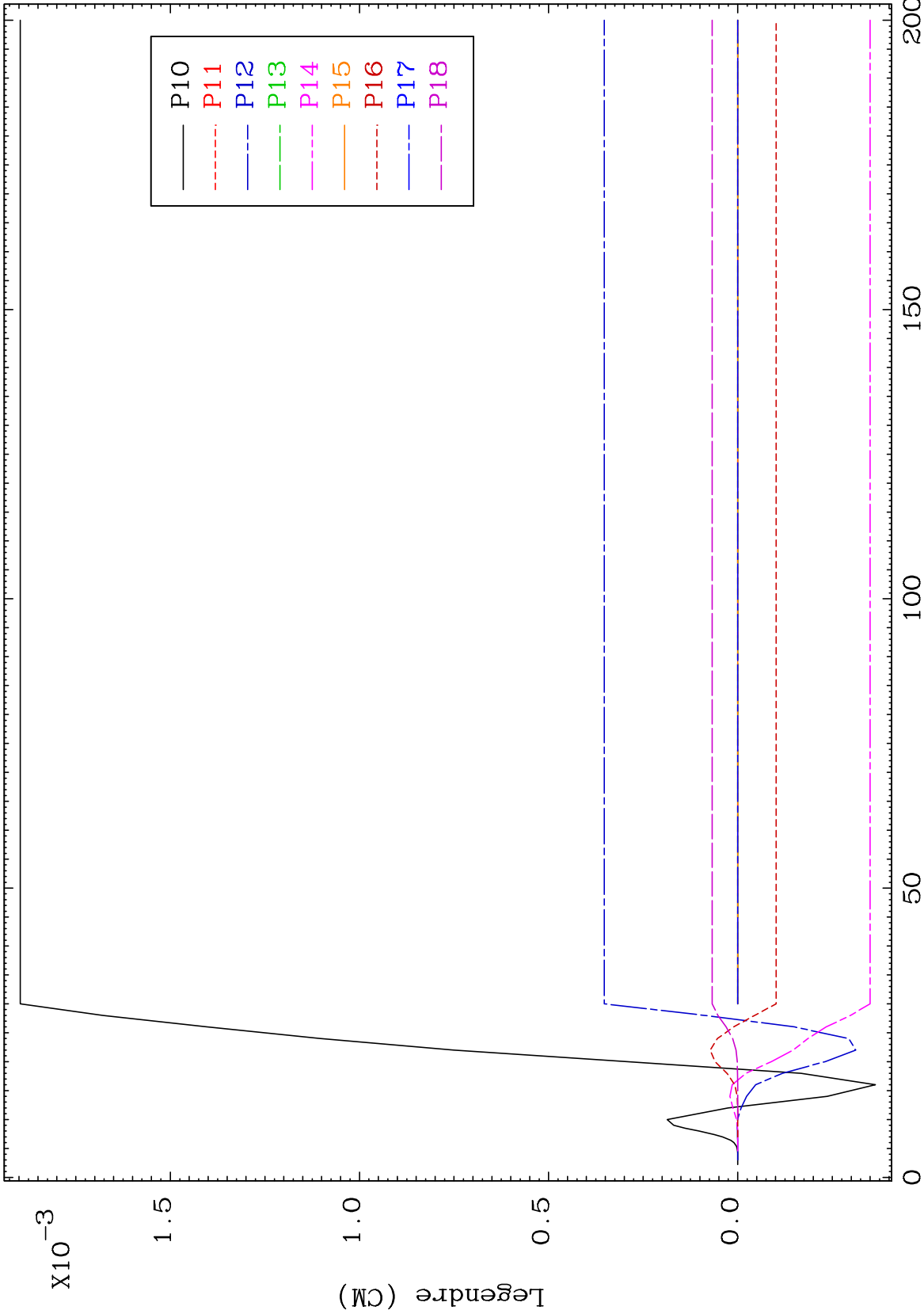


64 58-Ce-132

MAT 5813

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

58-Ce-132



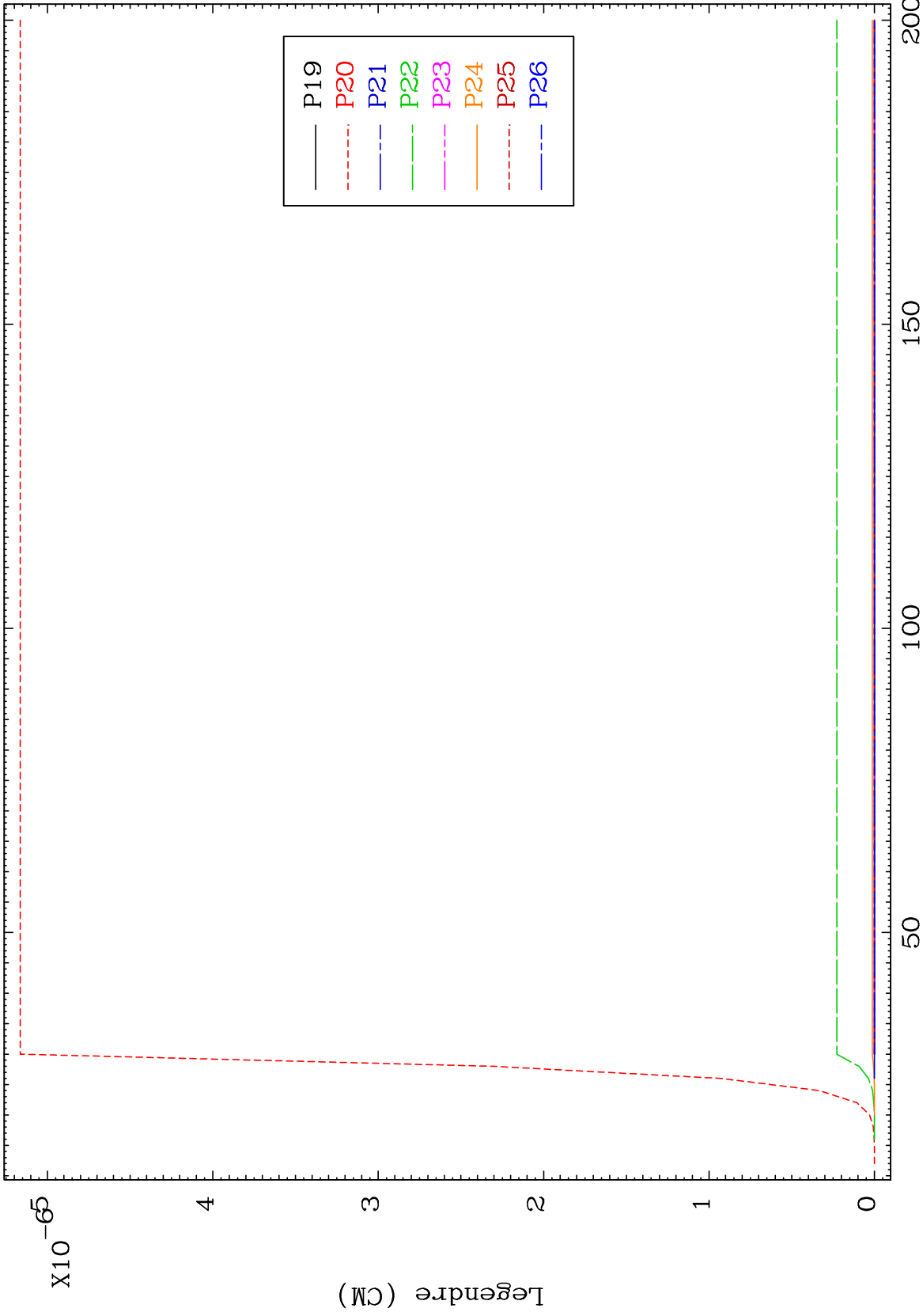
65

58-Ce-132

MAT 5813

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

58-Ce-132

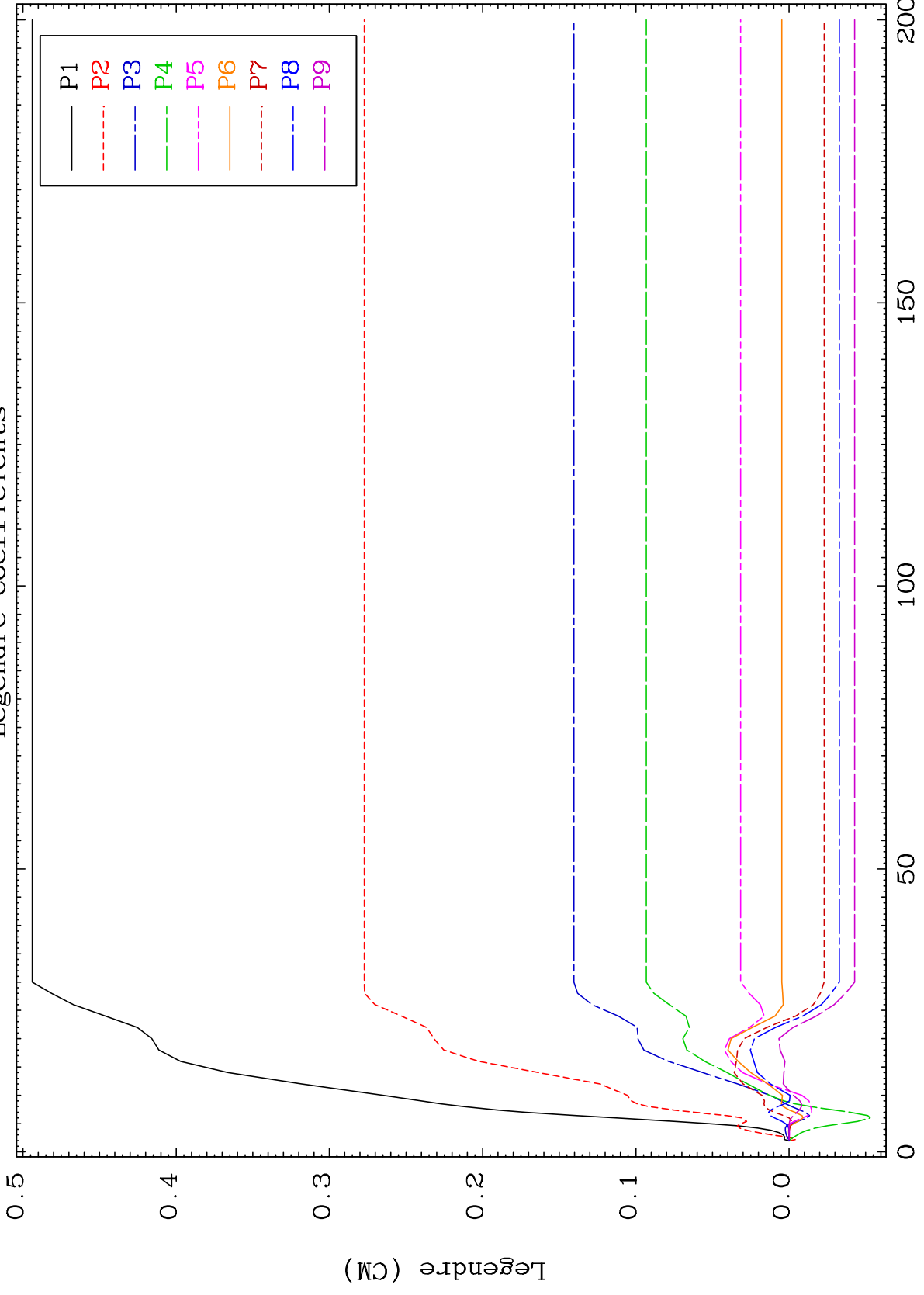


66

Incident Energy (MeV)

58-Ce-132

MAT 5813 MT= 64 (n,n') Level Legendre Coefficients 58-Ce-132

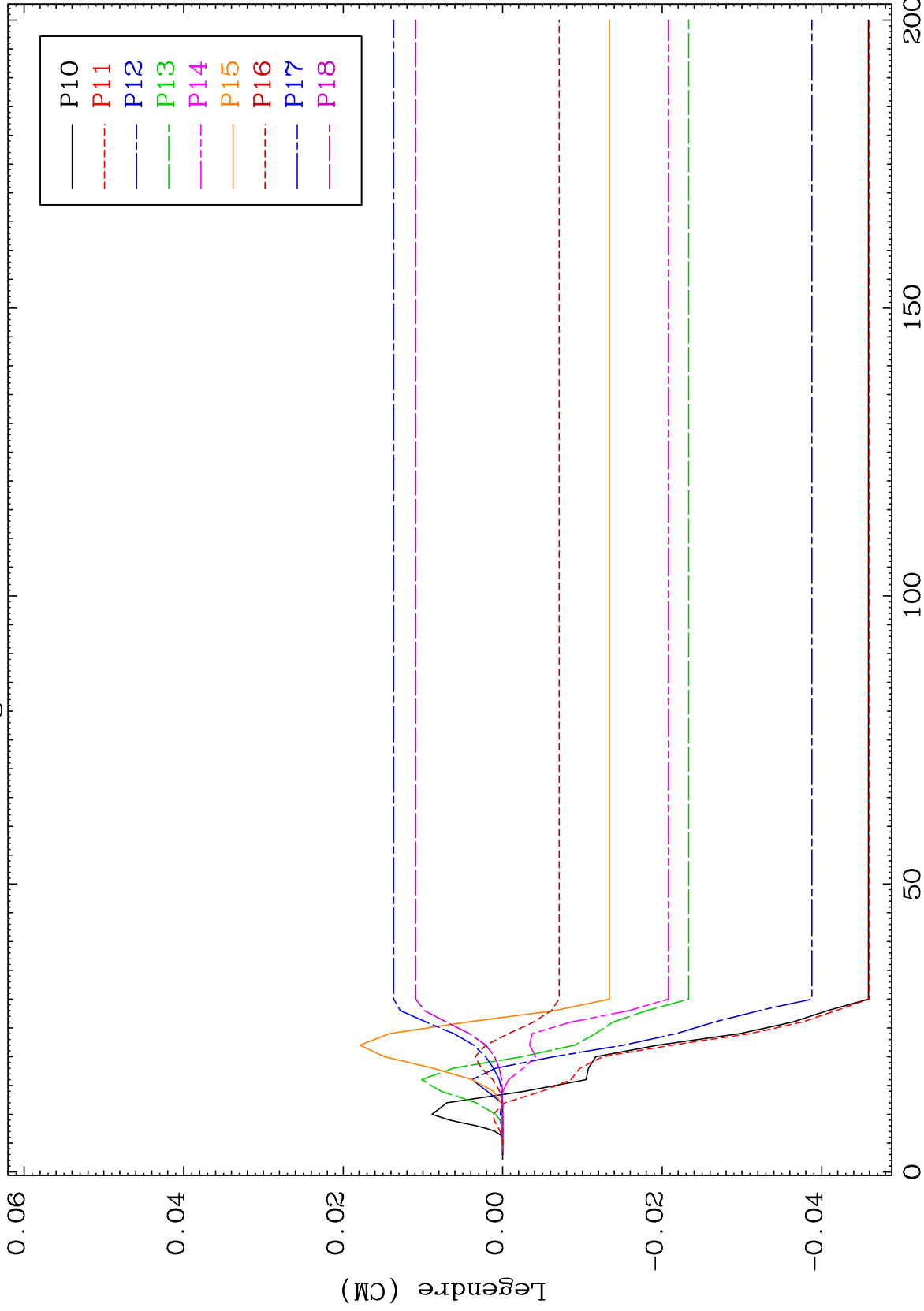


67 58-Ce-132

MAT 5813

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

58-Ce-132



68

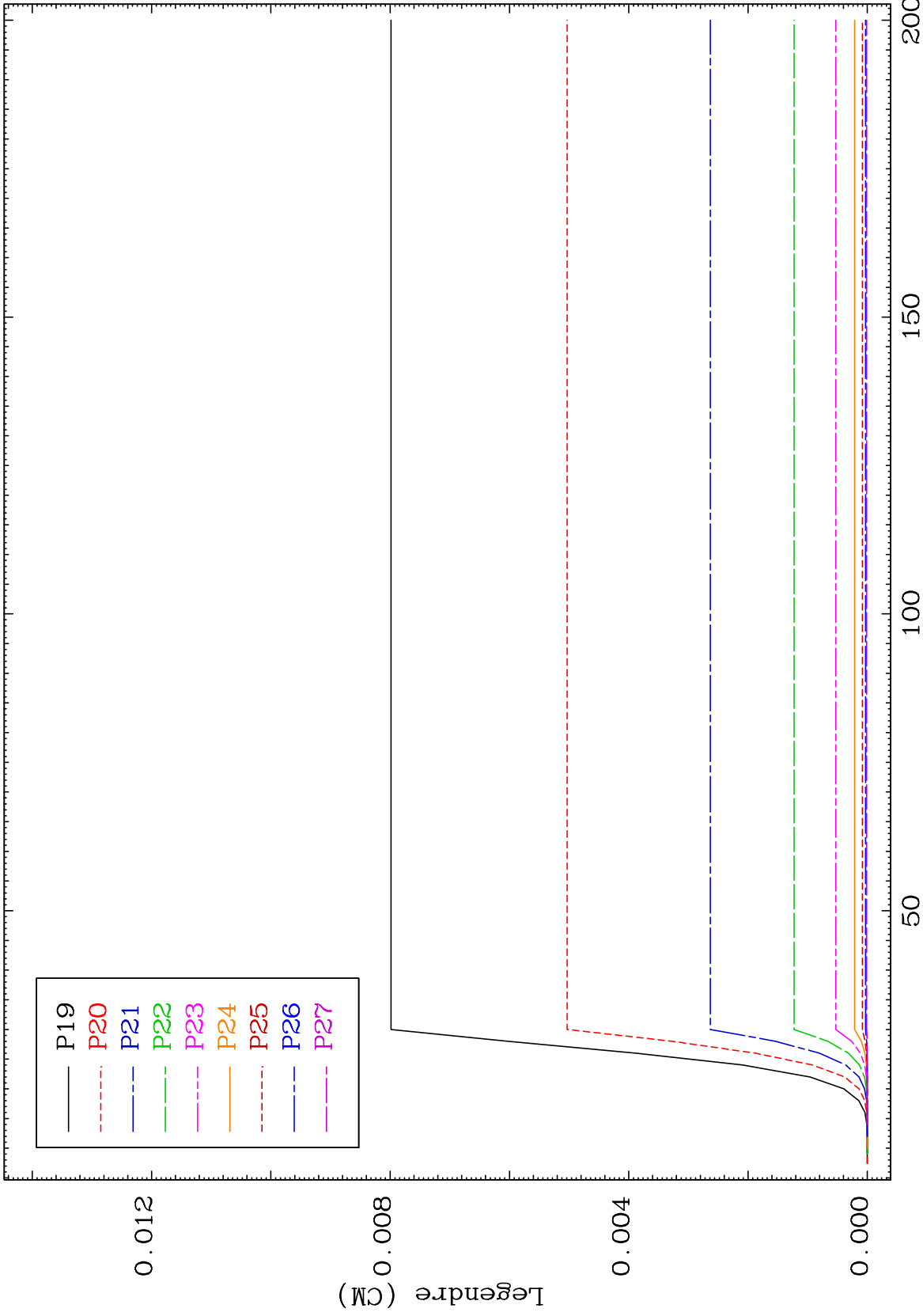
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



69

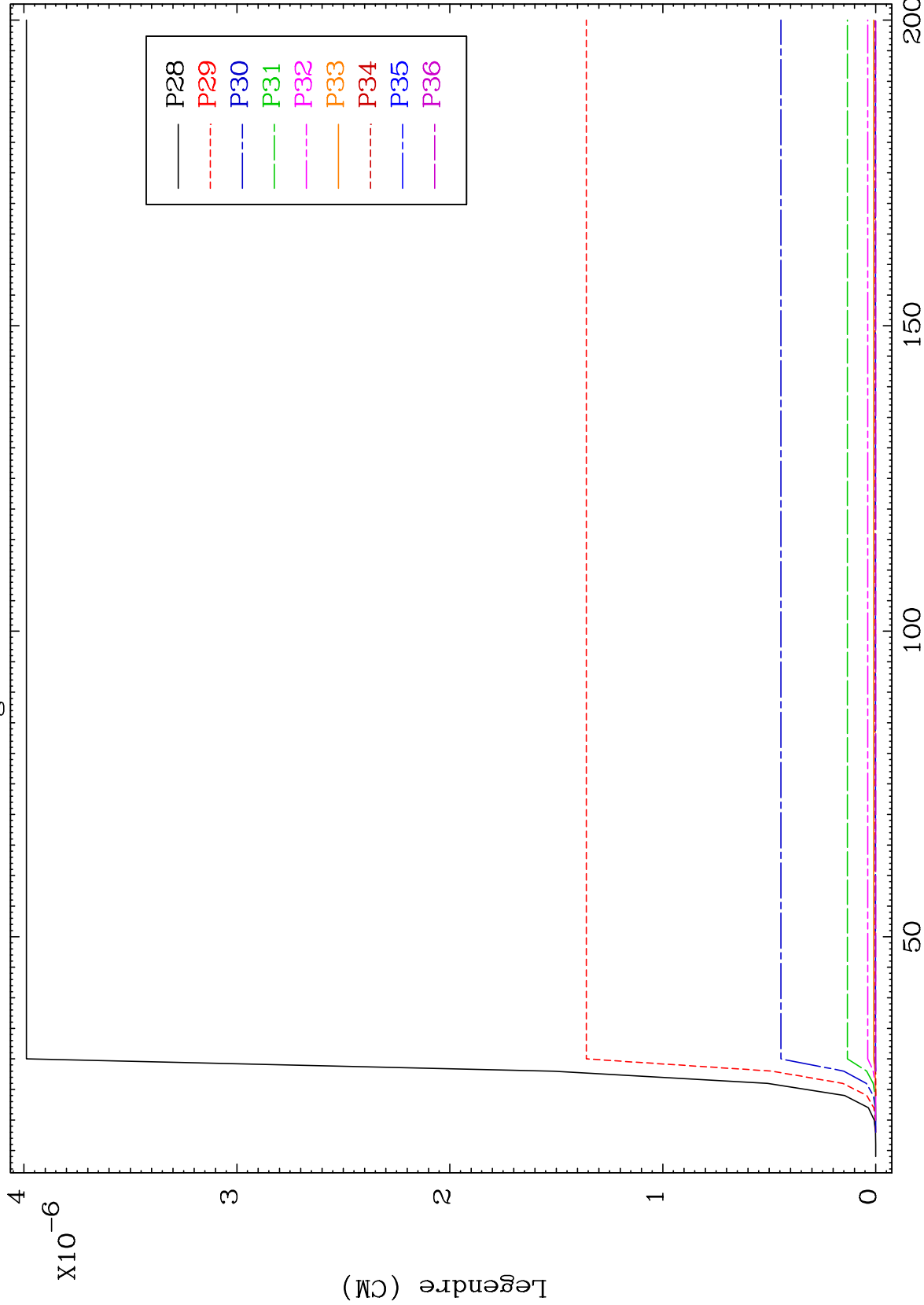
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



70

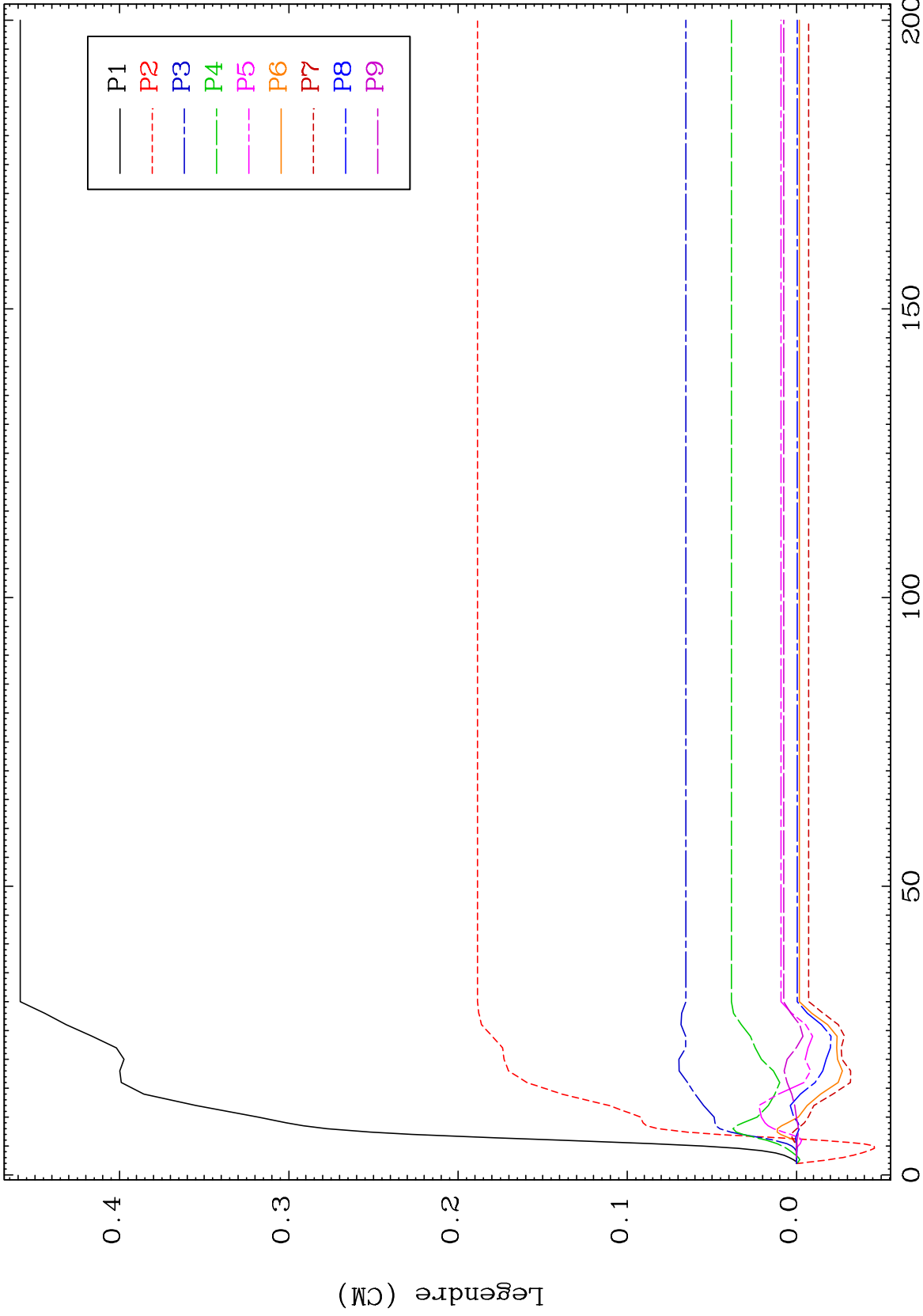
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



71

Incident Energy (MeV)

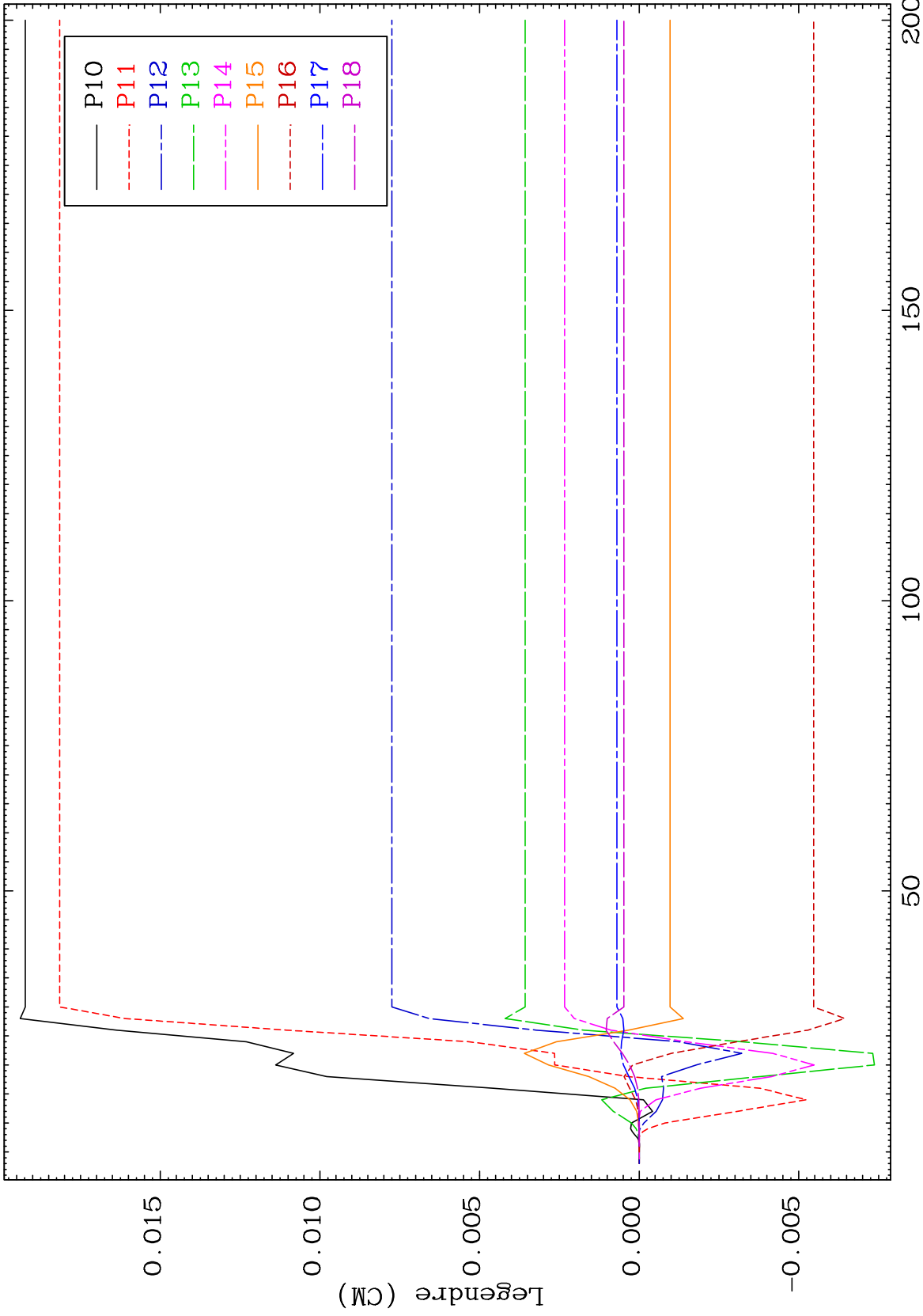
58-Ce-132



MAT 5813

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

58-Ce-132



72

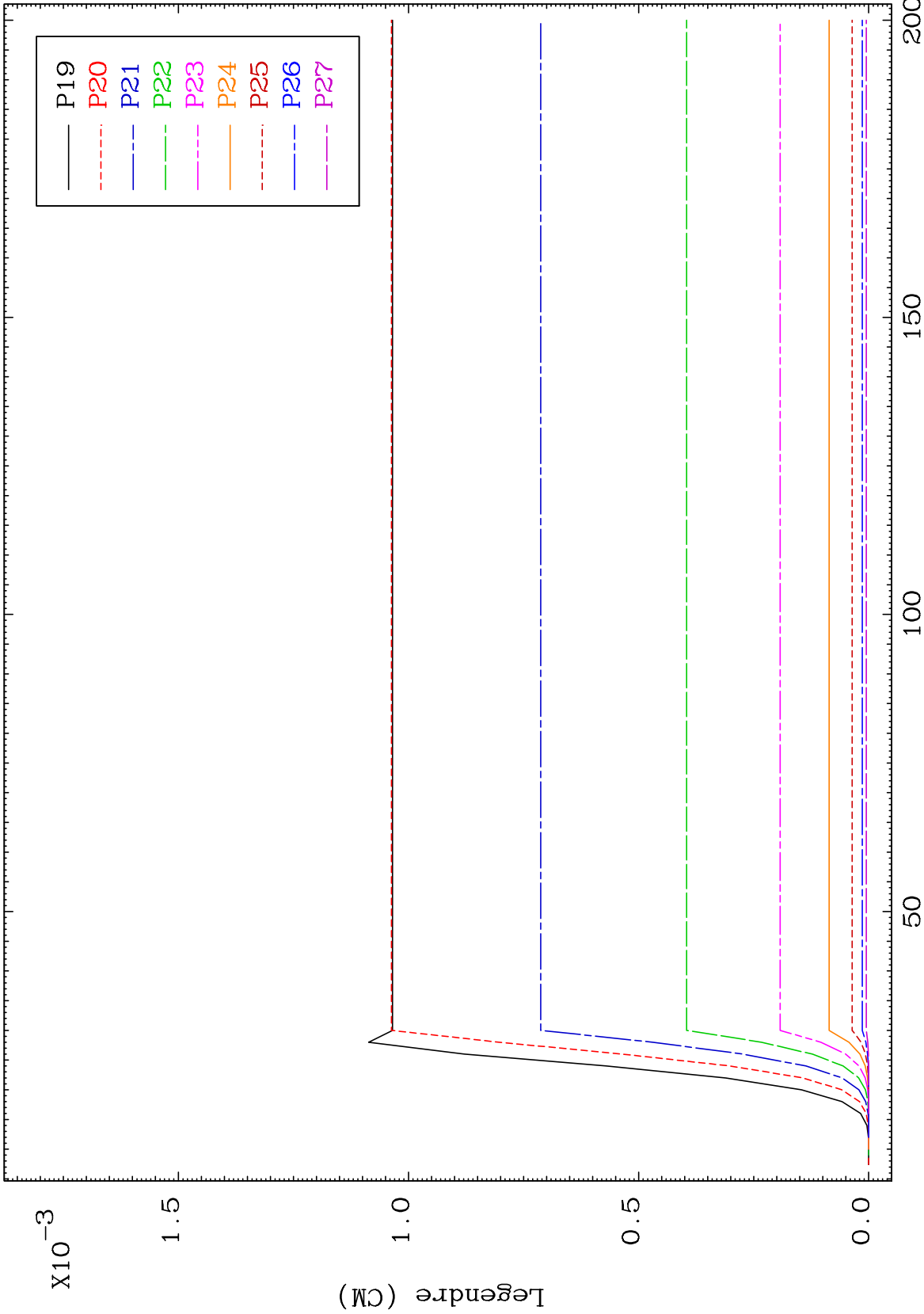
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



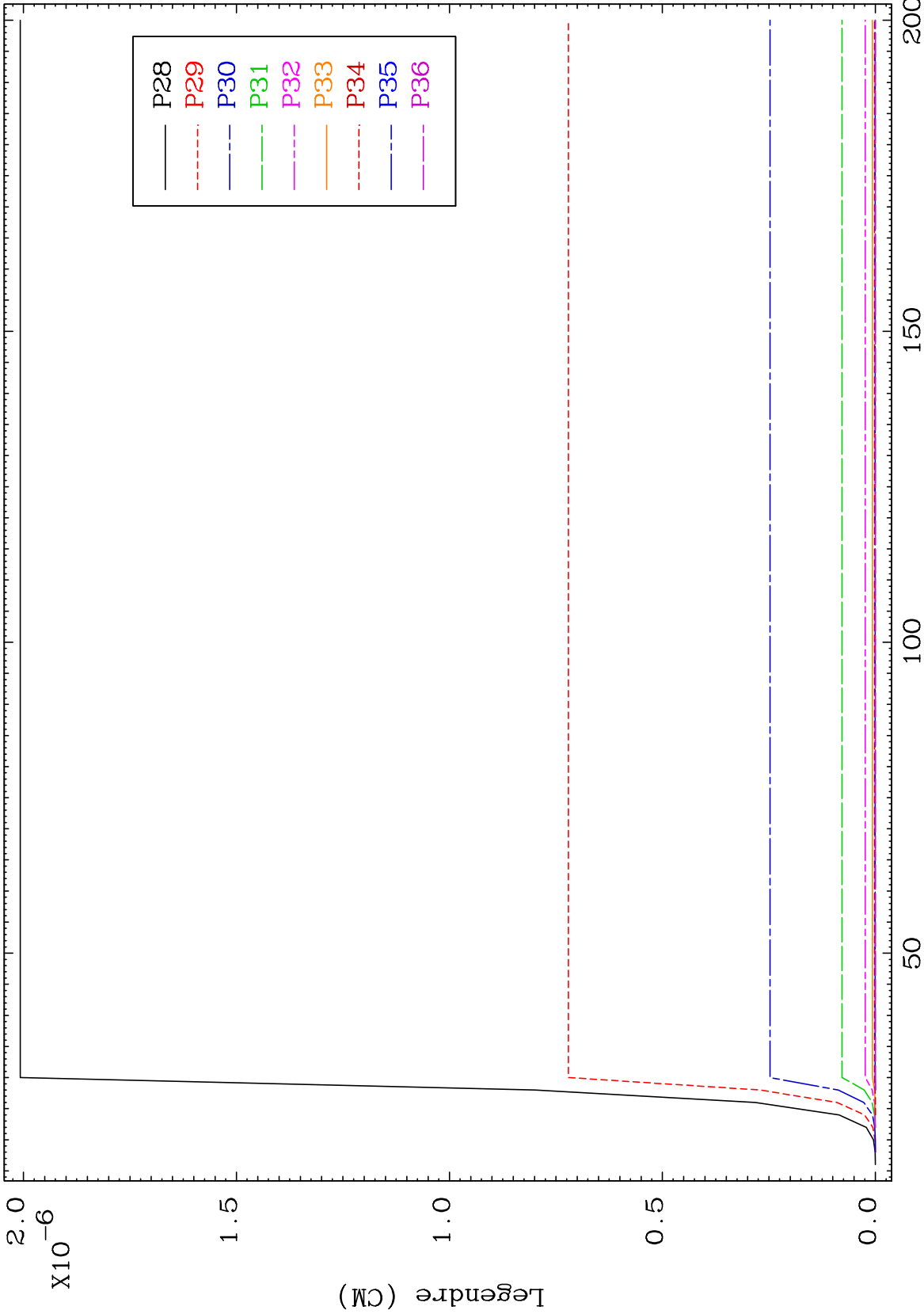
73

58-Ce-132

MAT 5813

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

58-Ce-132

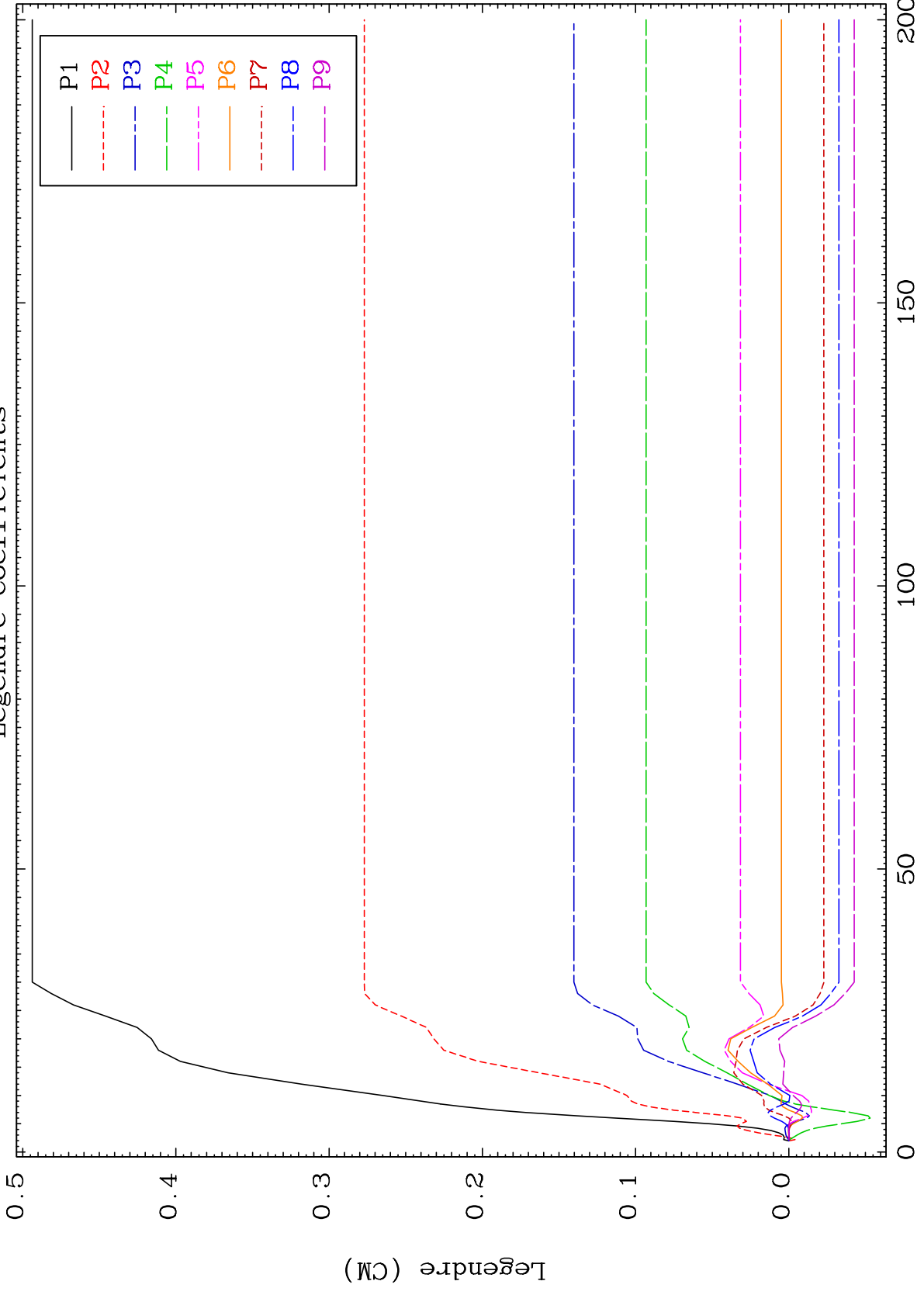


74

Incident Energy (MeV)

58-Ce-132

MAT 5813 MT= 66 (n,n') Level Legendre Coefficients 58-Ce-132

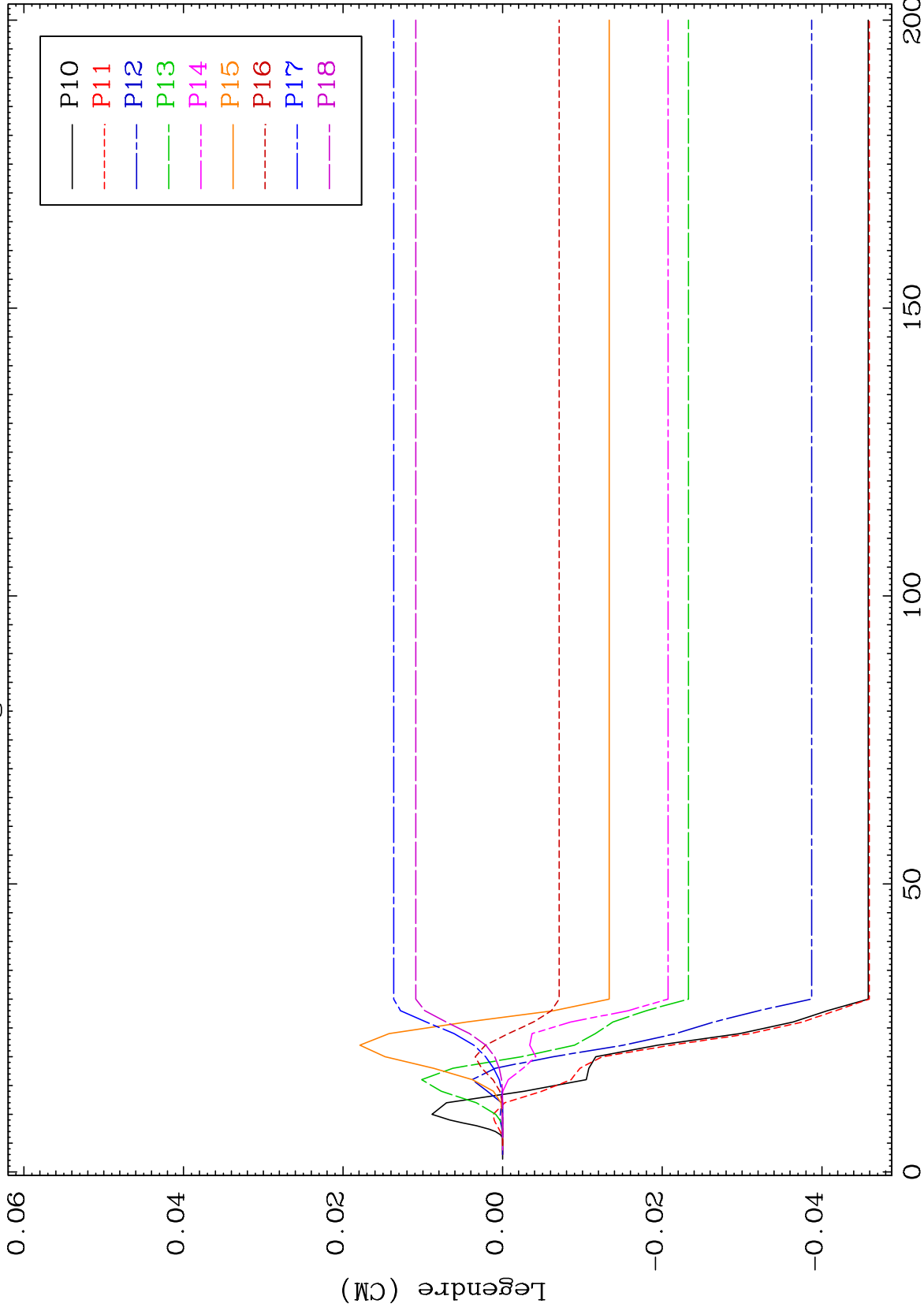


75 Incident Energy (MeV) 58-Ce-132

MAT 5813

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

58-Ce-132



76

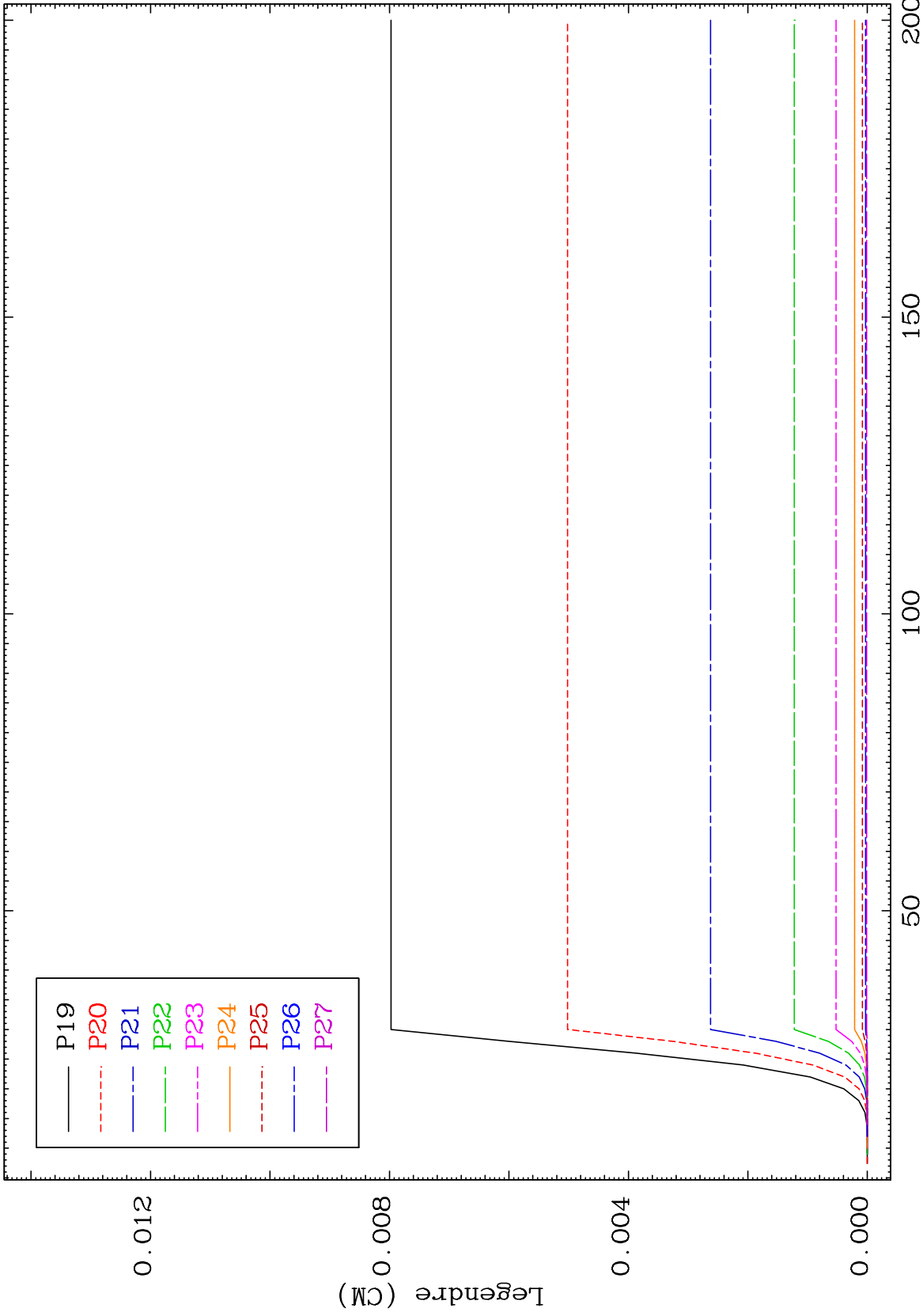
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



77

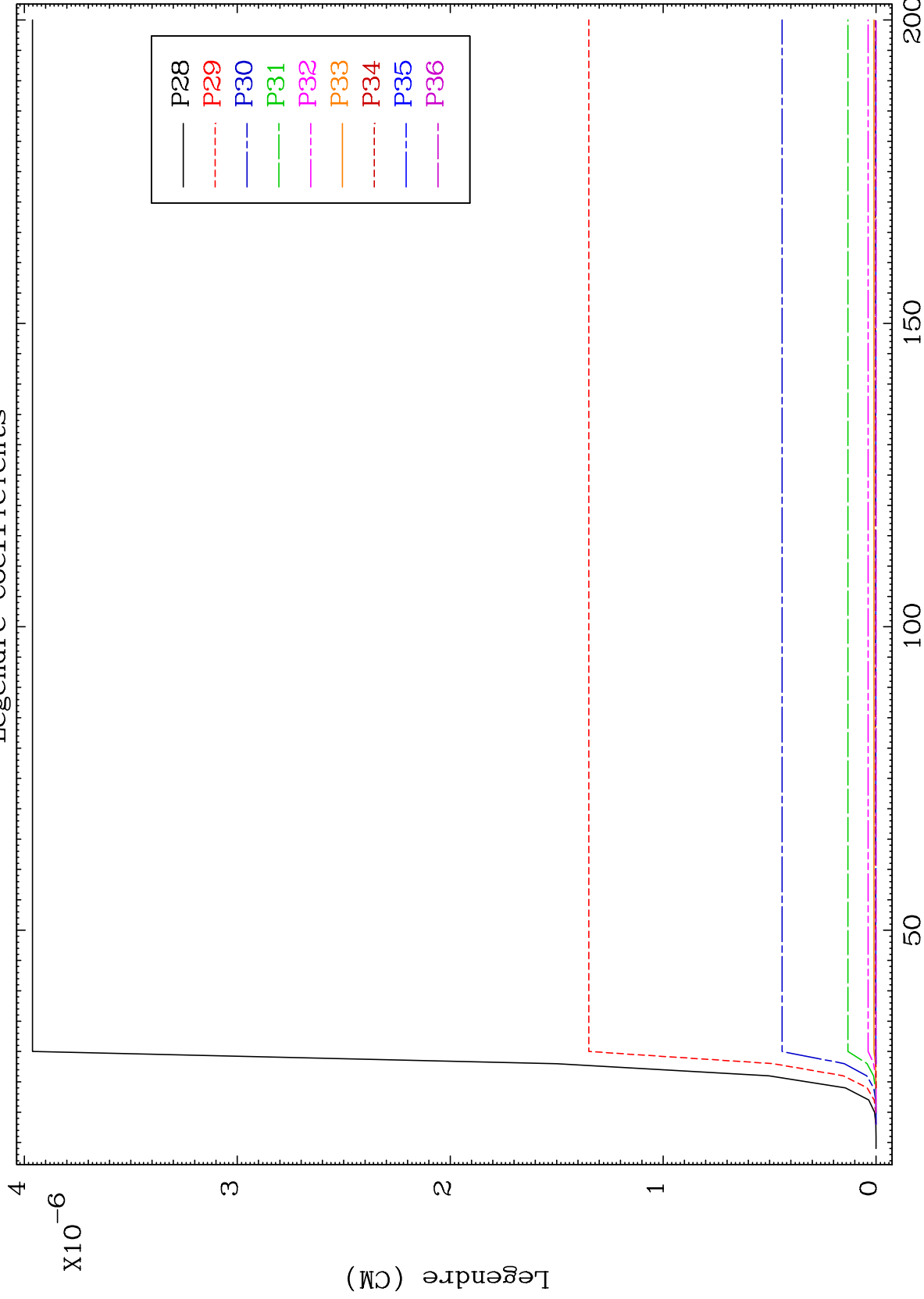
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



78

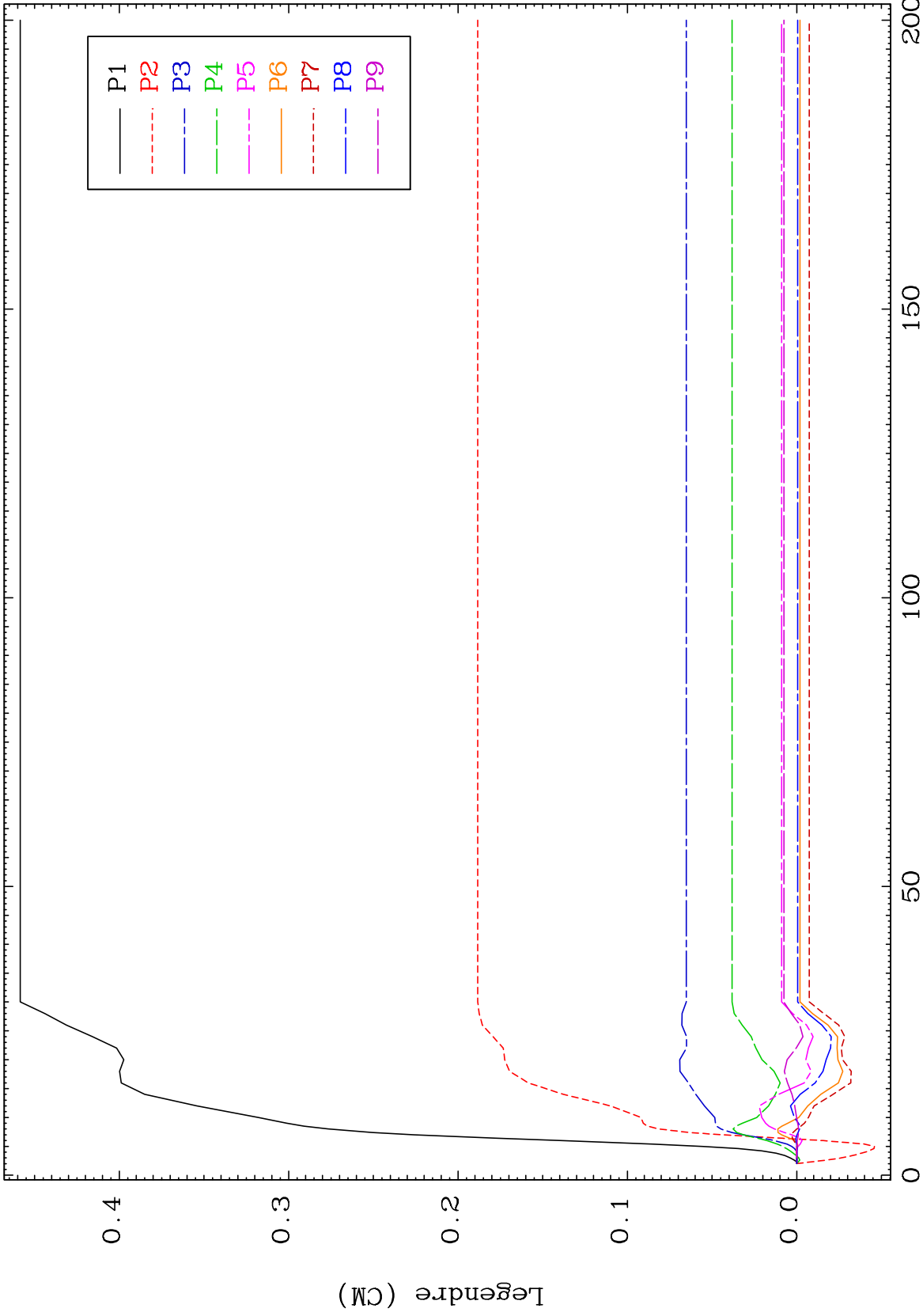
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



79

Incident Energy (MeV)

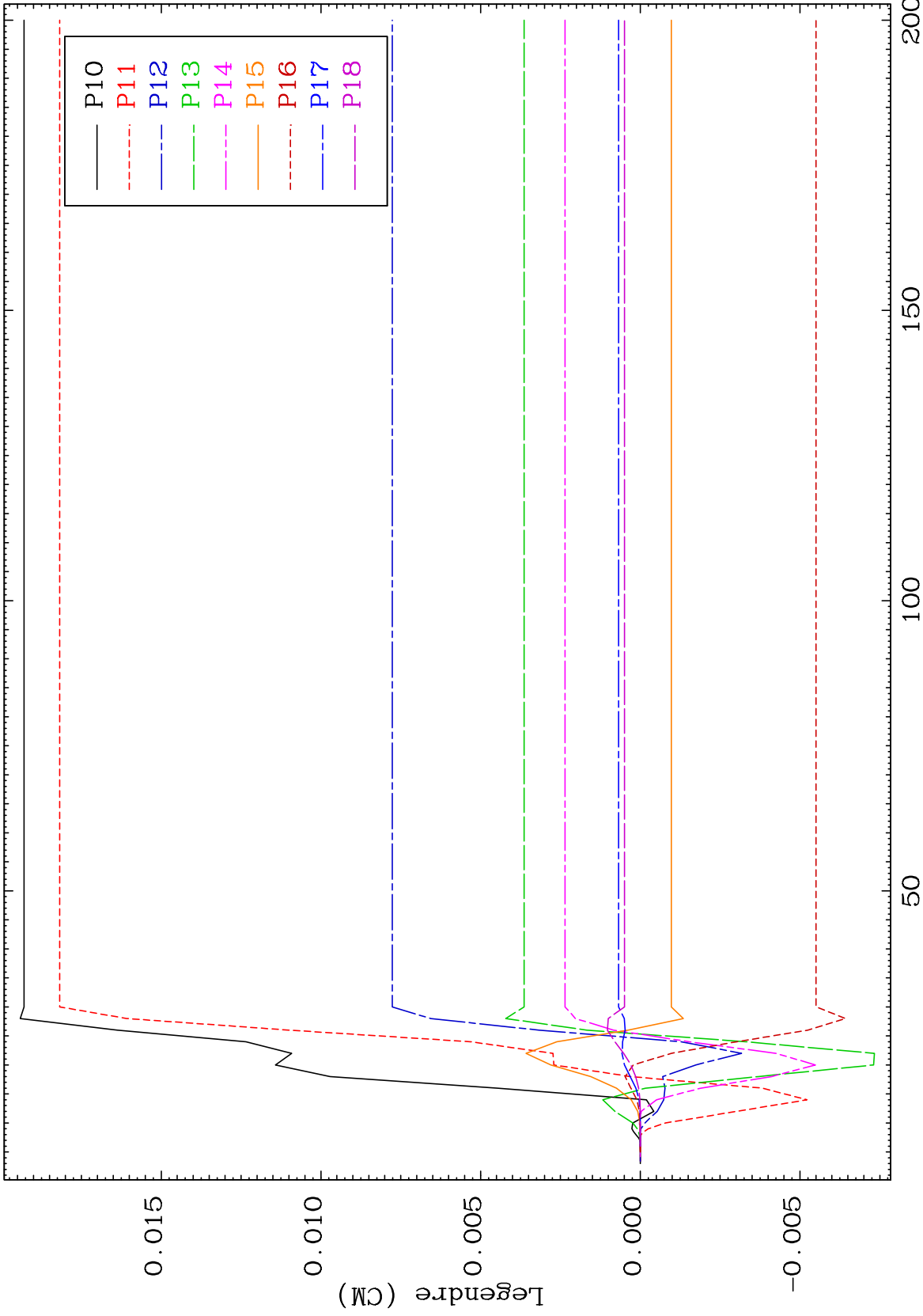
58-Ce-132



MAT 5813

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

58-Ce-132



80

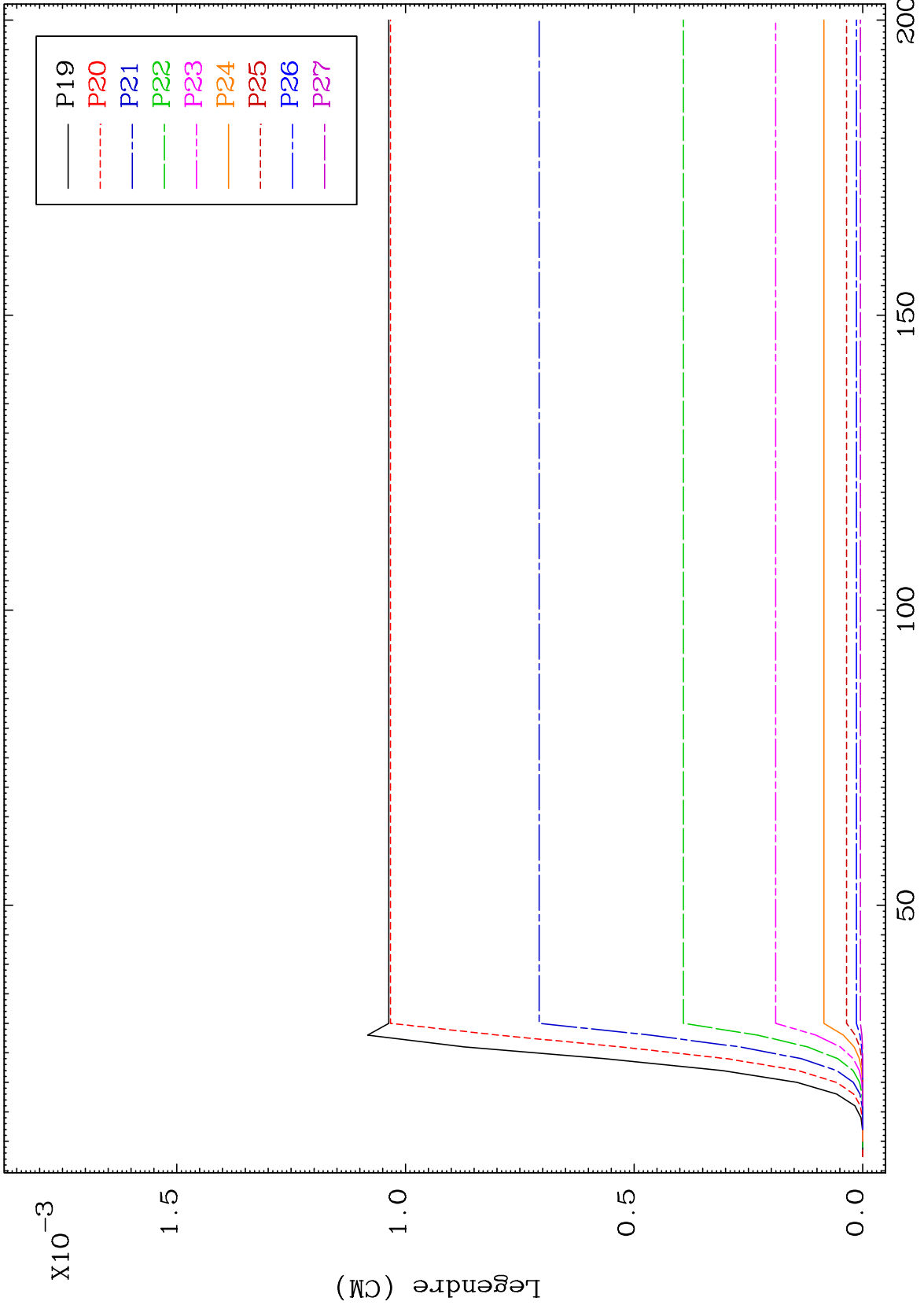
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



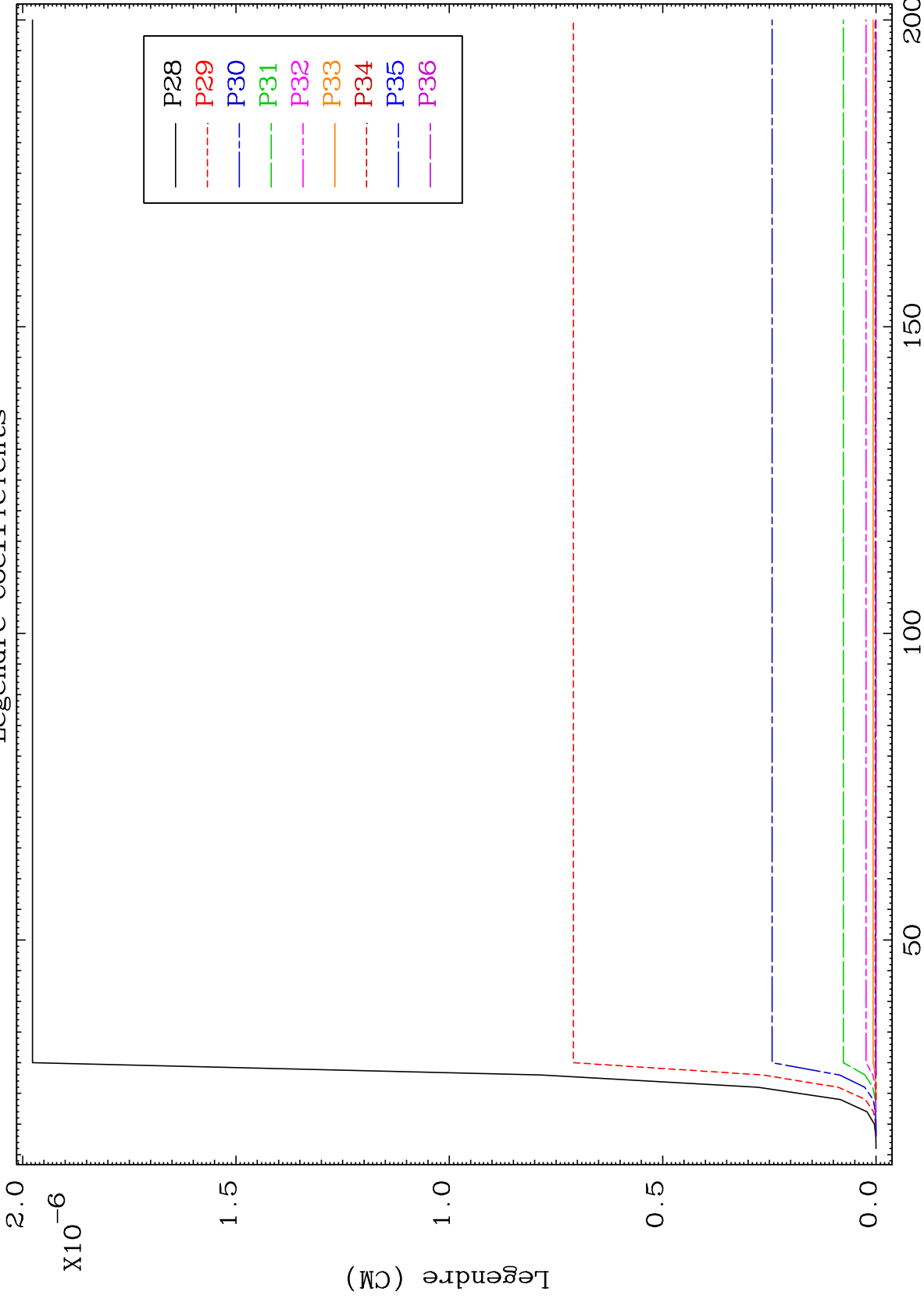
81

58-Ce-132

MAT 5813

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

58-Ce-132



82

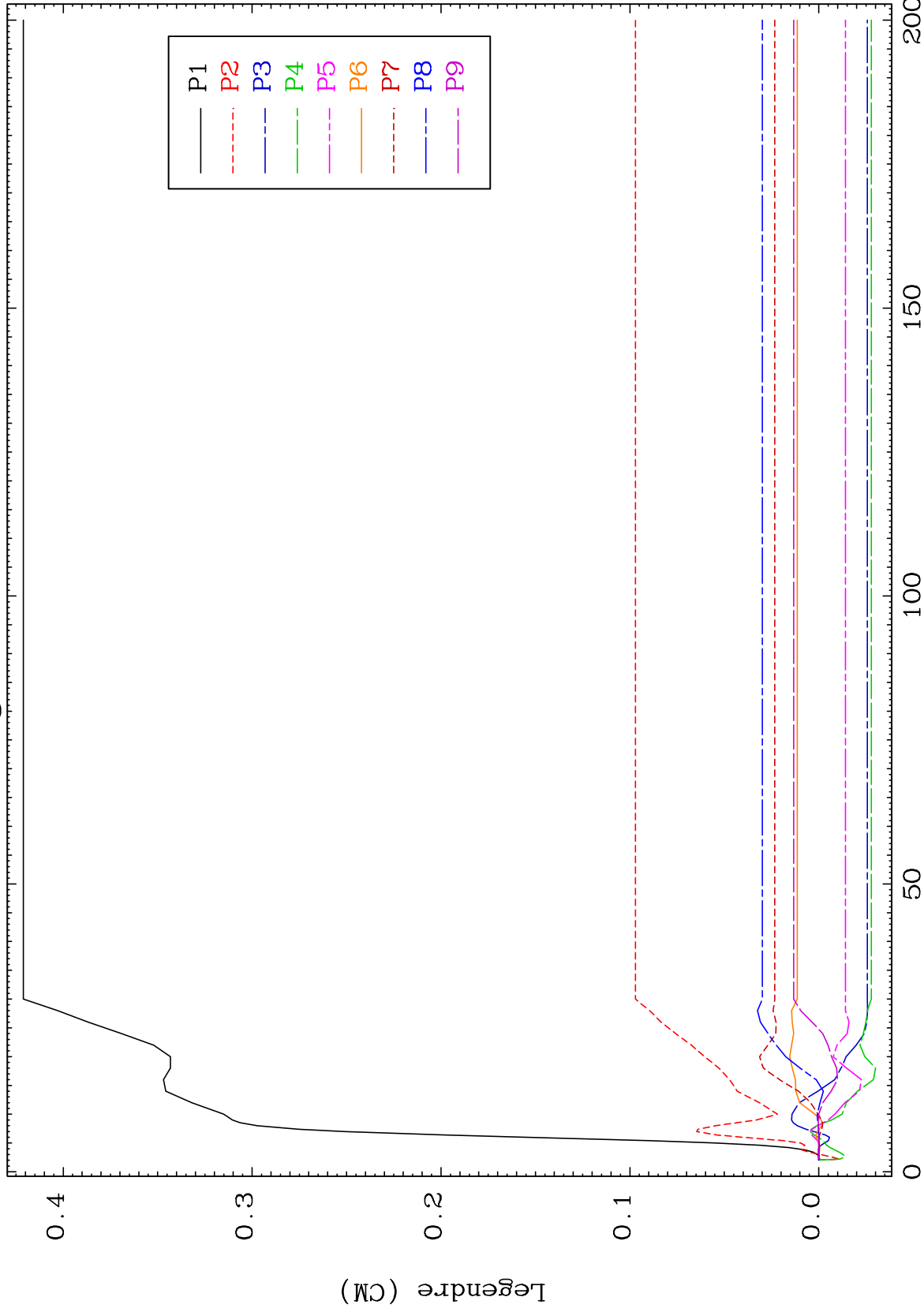
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132

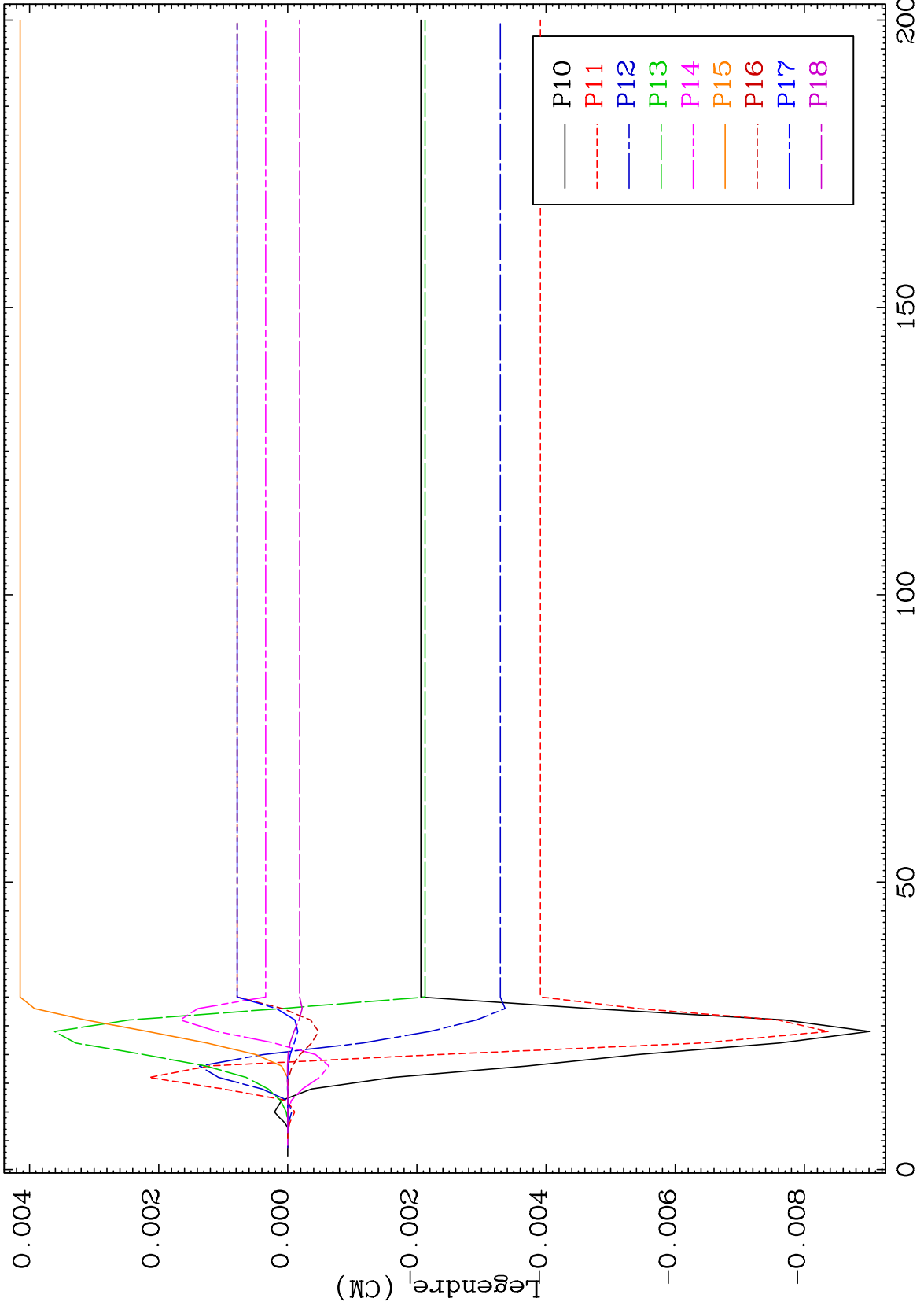


83

Incident Energy (MeV)

58-Ce-132

MAT 5813 MT= 68 (n,n') Level Legendre Coefficients 58-Ce-132

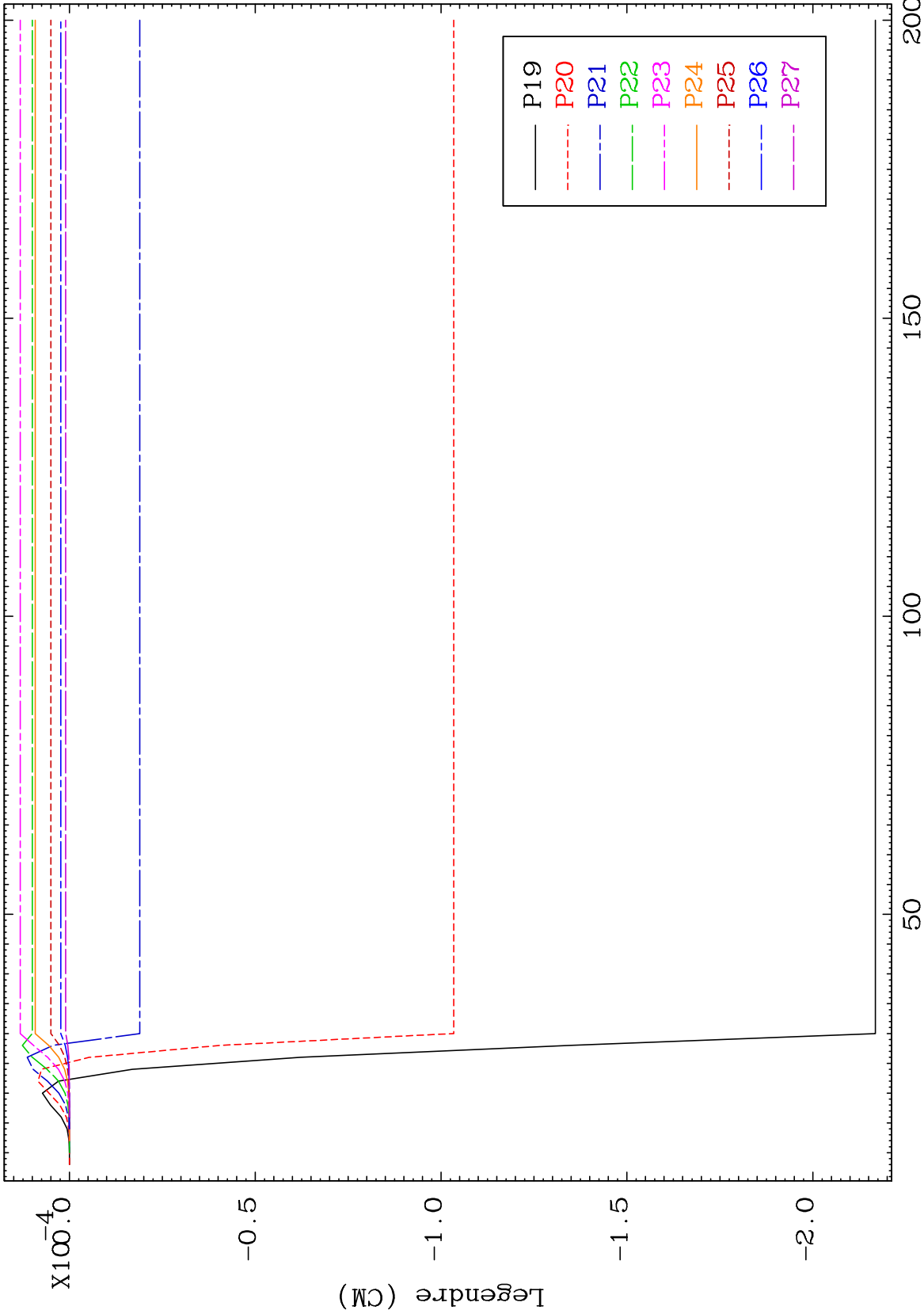


84 58-Ce-132

MAT 5813

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

58-Ce-132



85

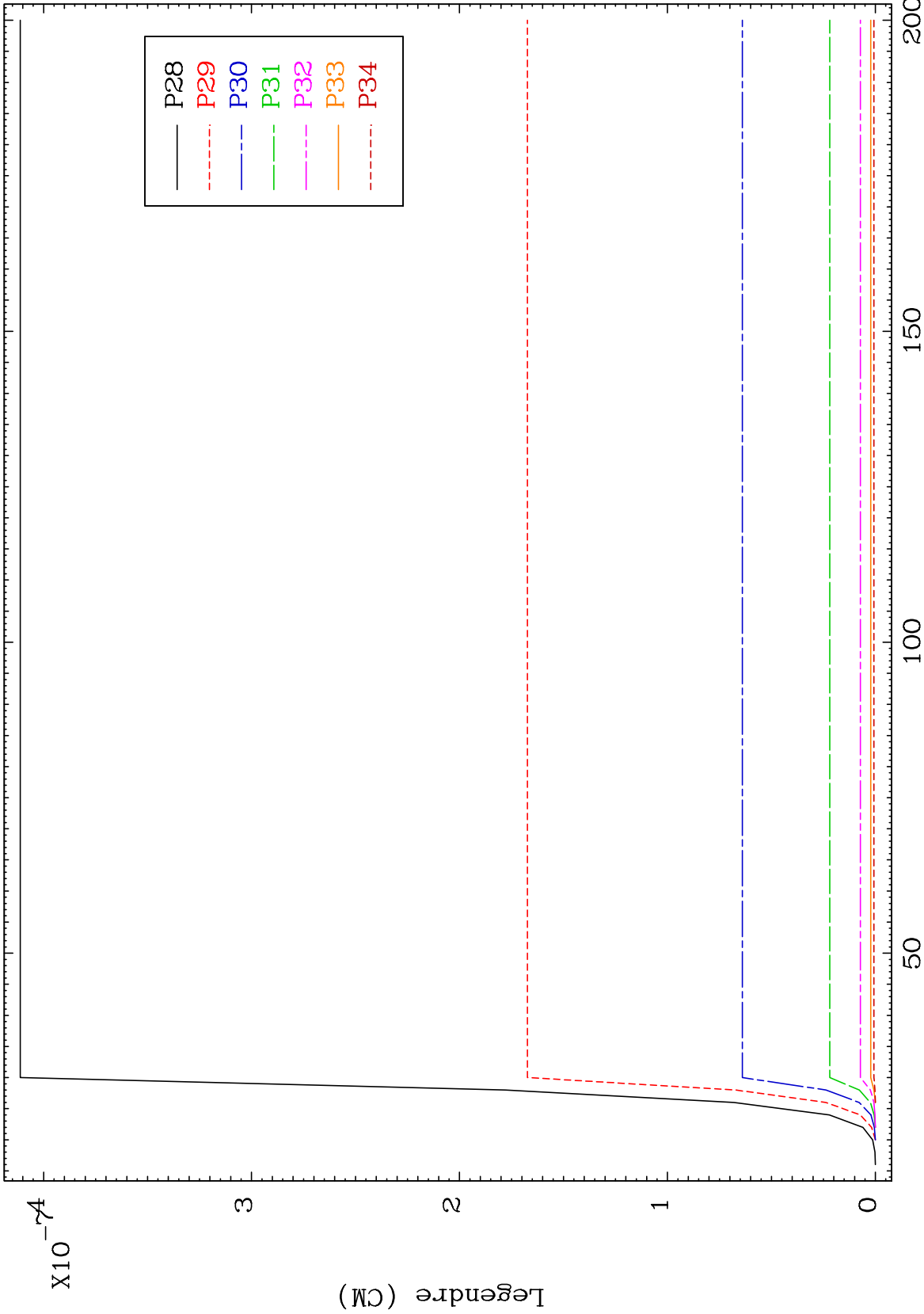
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

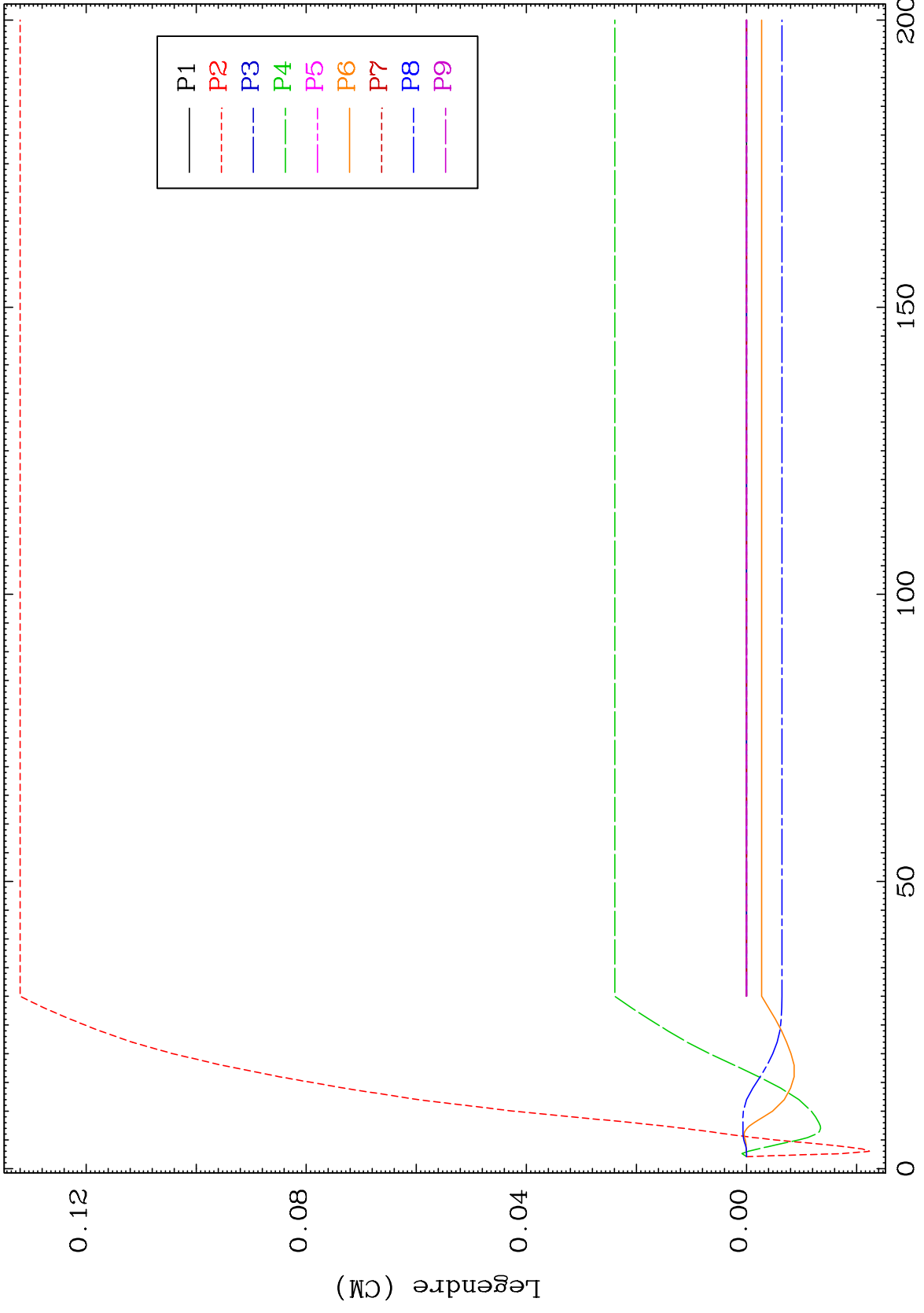
58-Ce-132



86

58-Ce-132

MAT 5813 MT= 69 (n,n') Level Legendre Coefficients 58-Ce-132



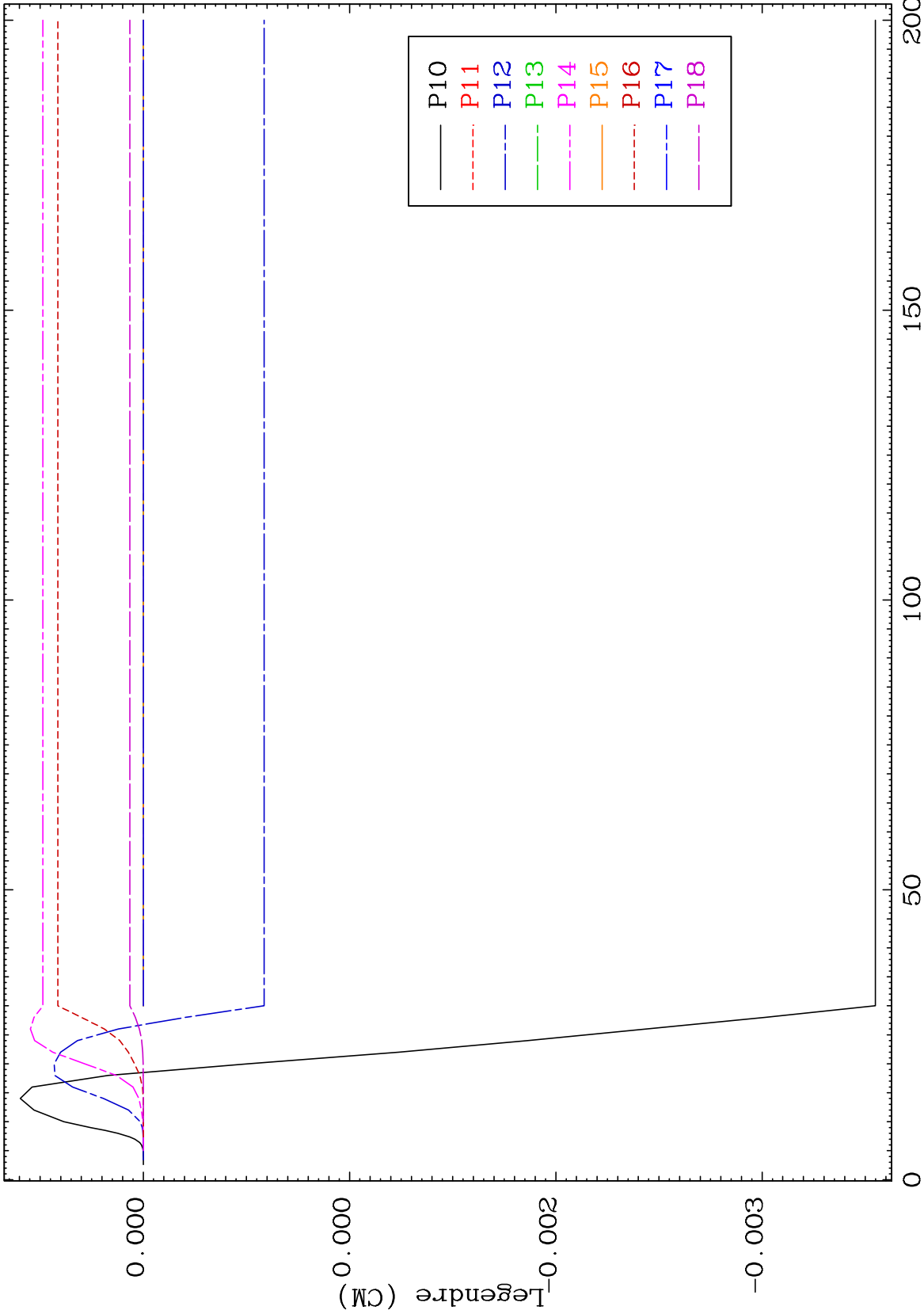
87 Incident Energy (MeV) 58-Ce-132



MAT 5813

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

58-Ce-132



88

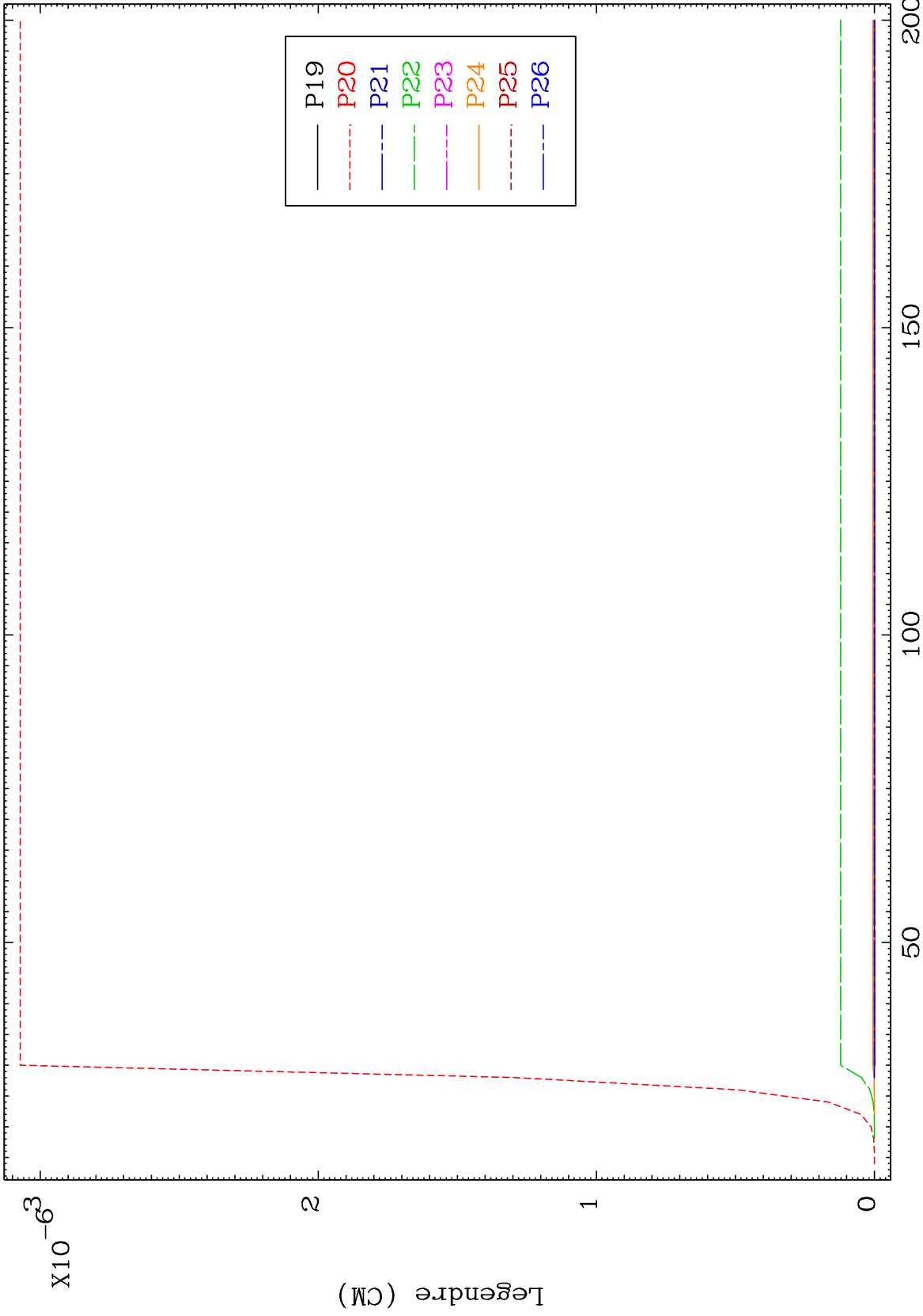
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



89

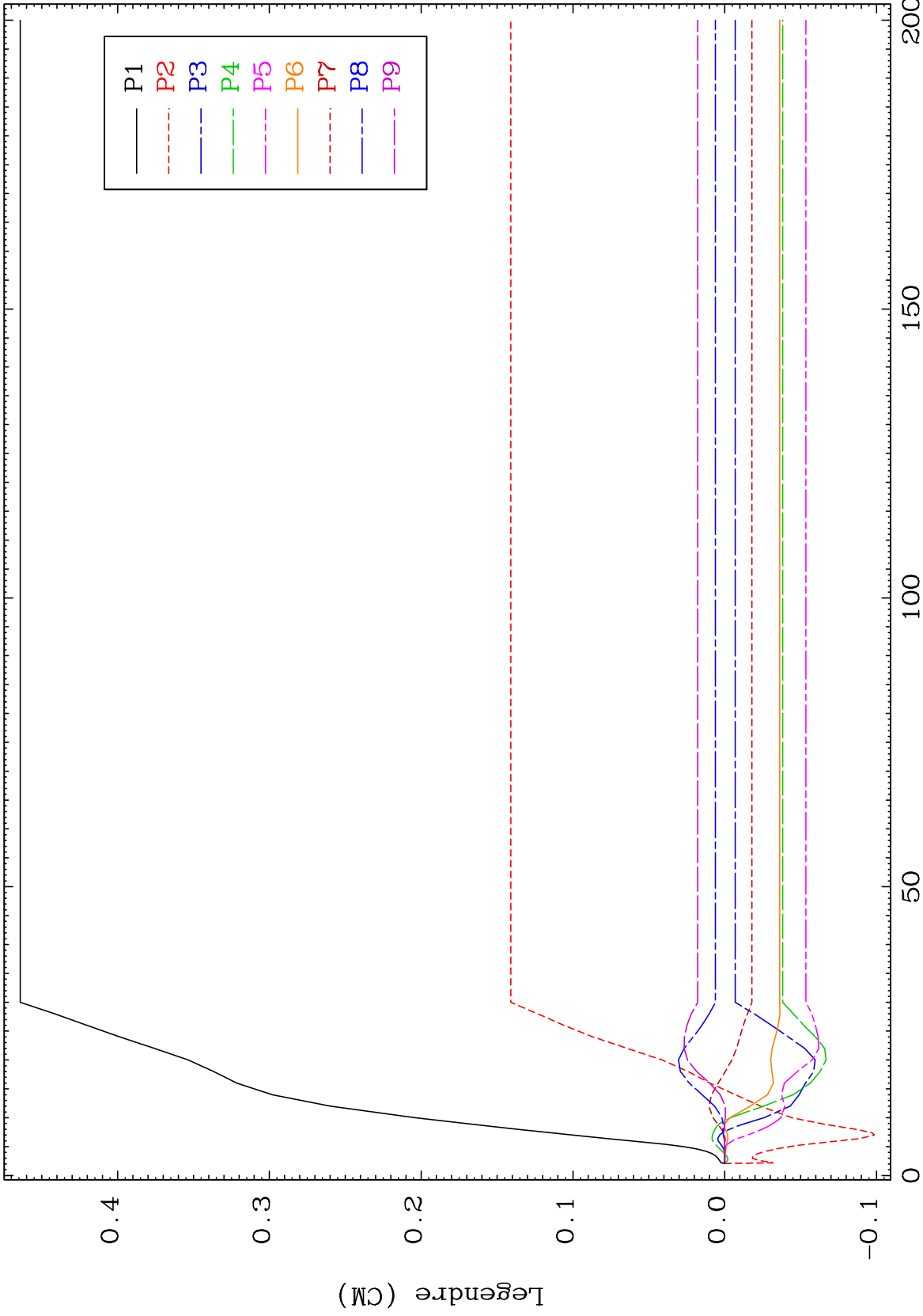
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



58-Ce-132

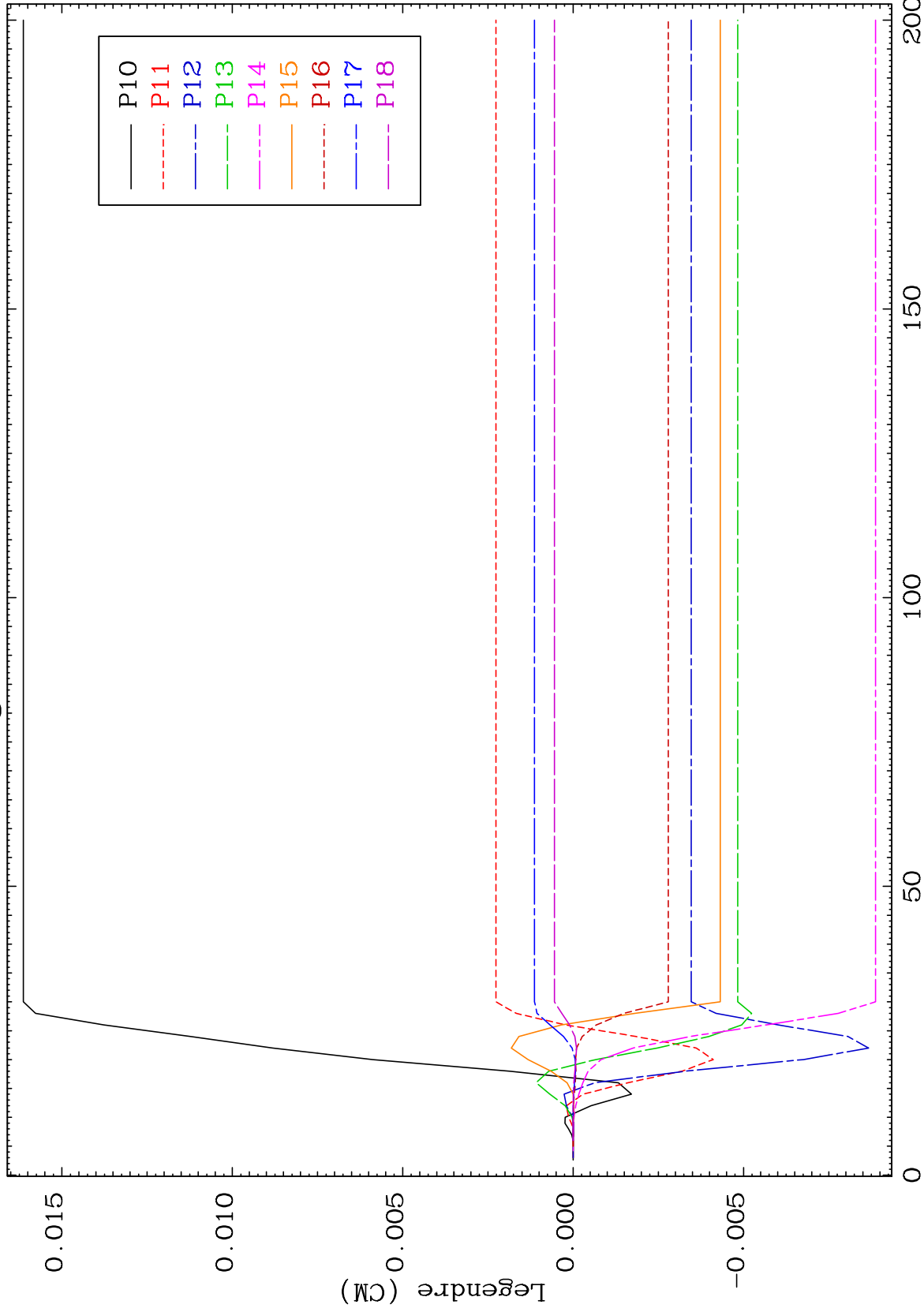
Incident Energy (MeV)

90

MAT 5813

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

58-Ce-132



91

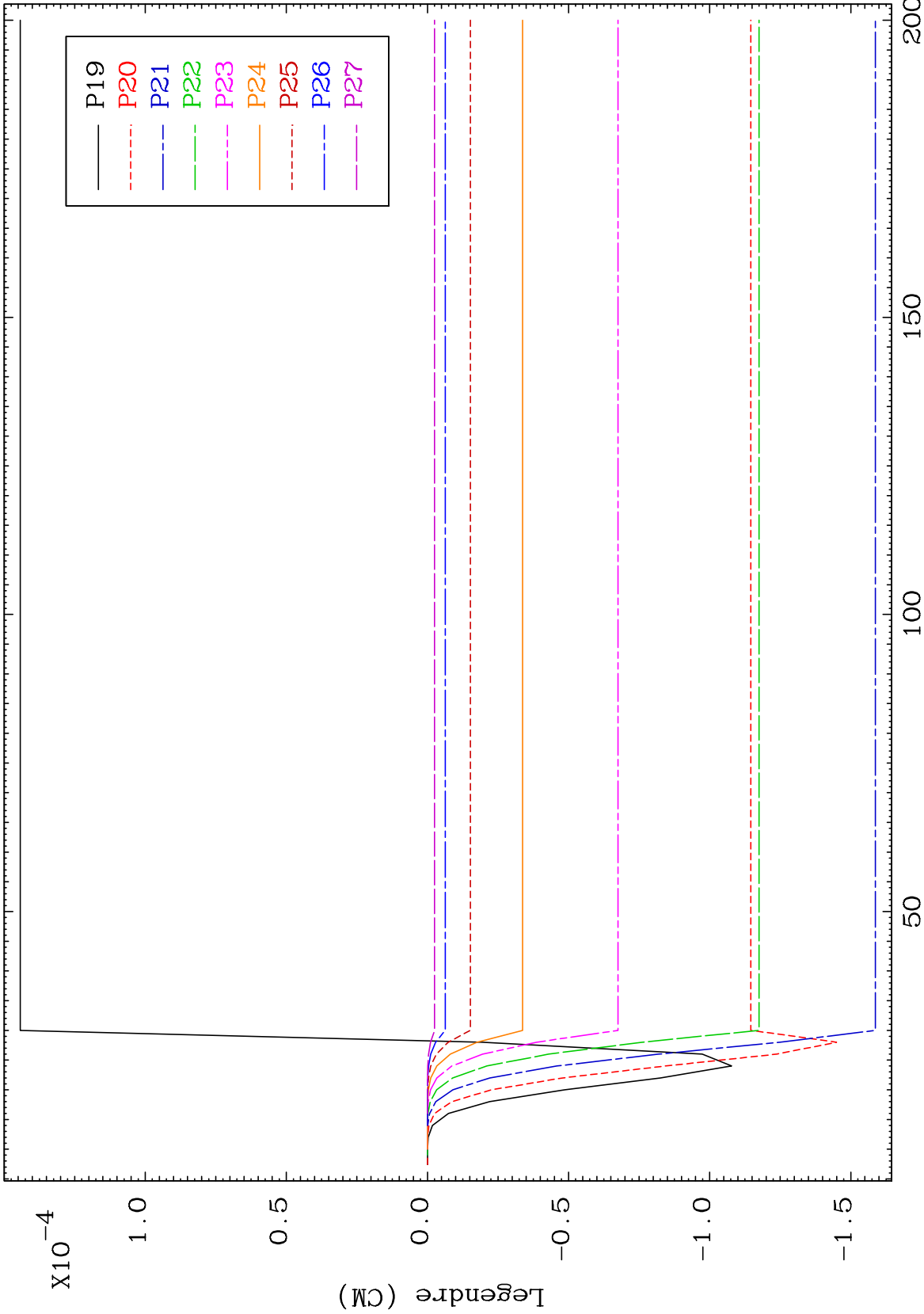
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



92

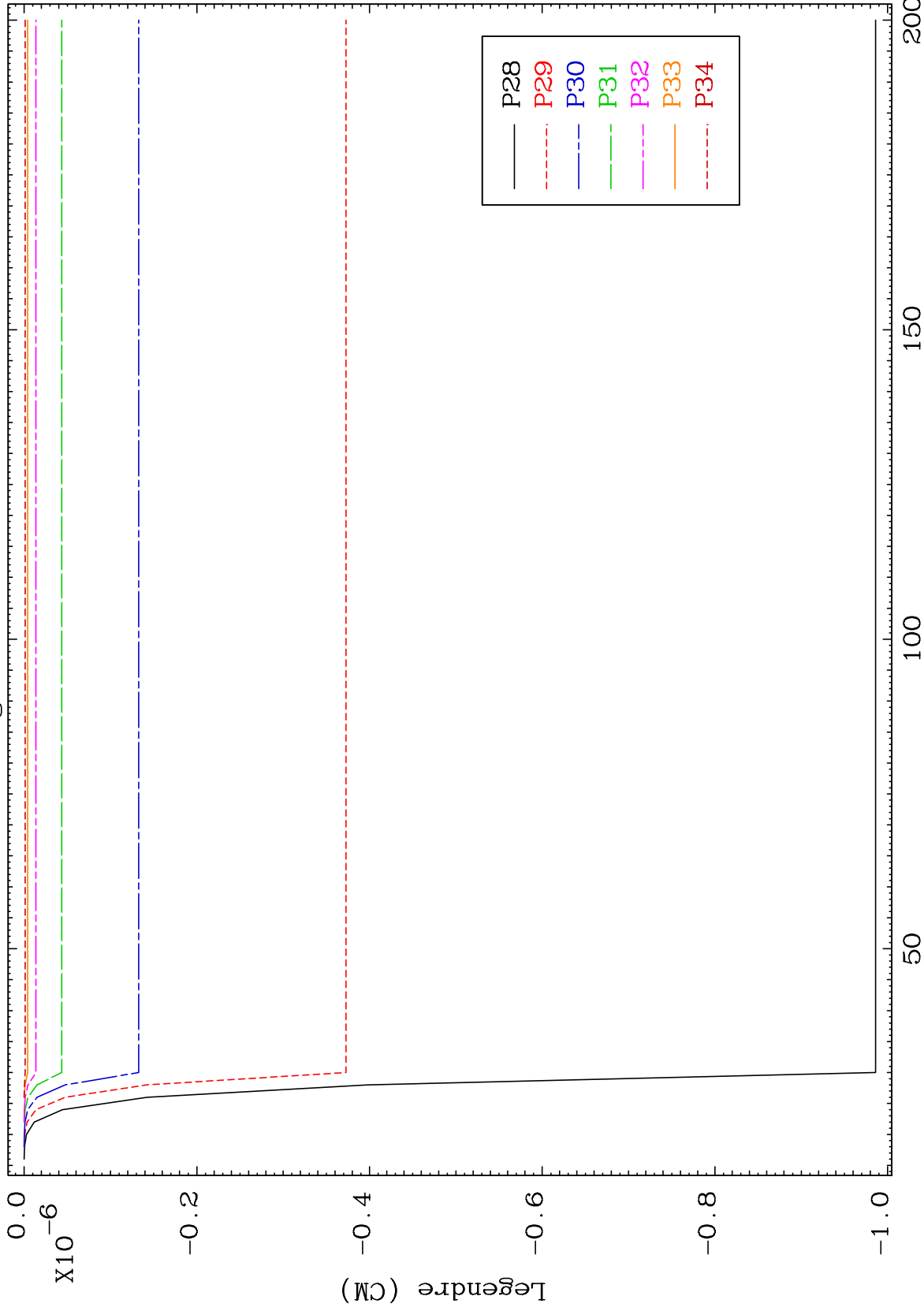
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



93

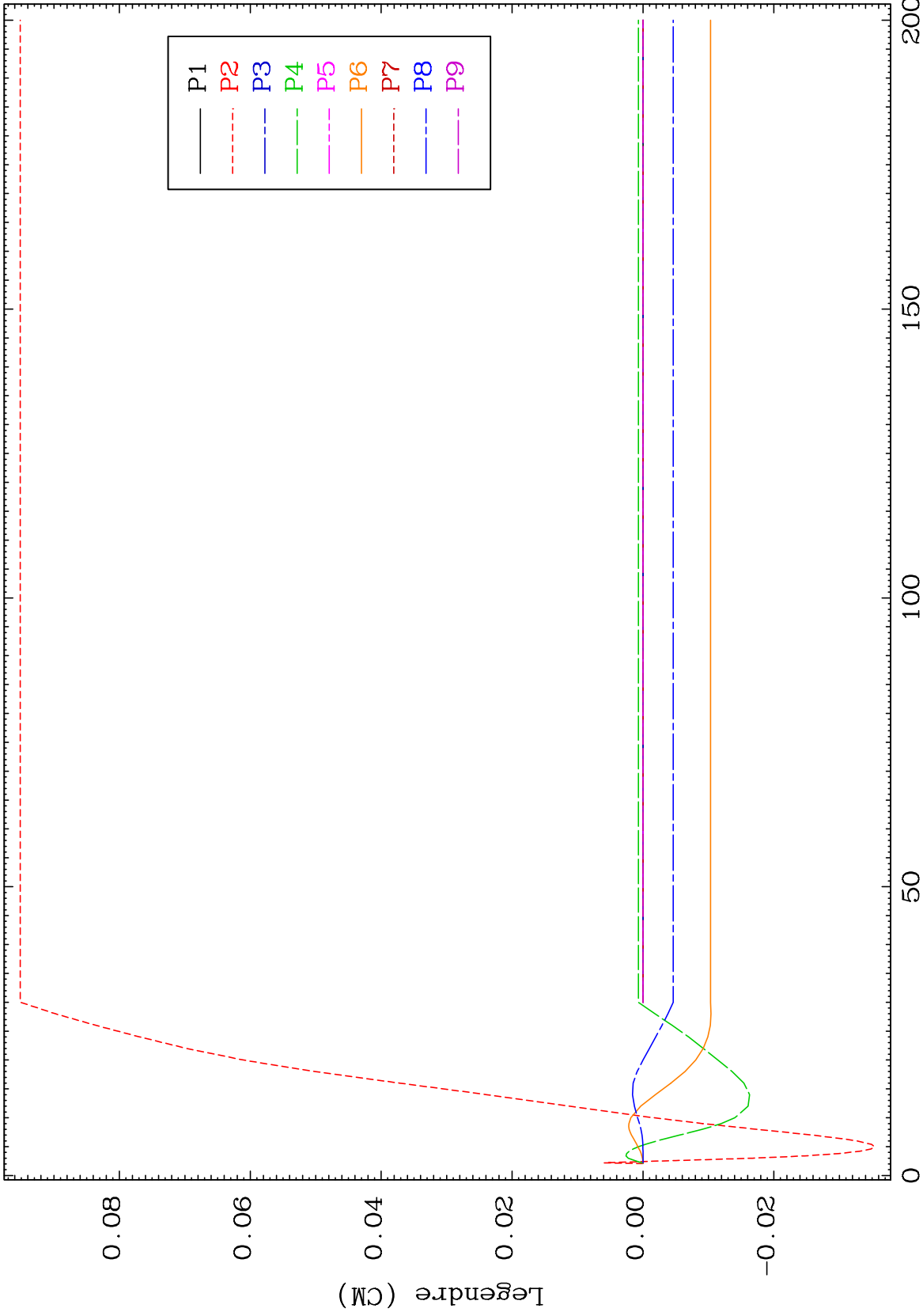
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



94

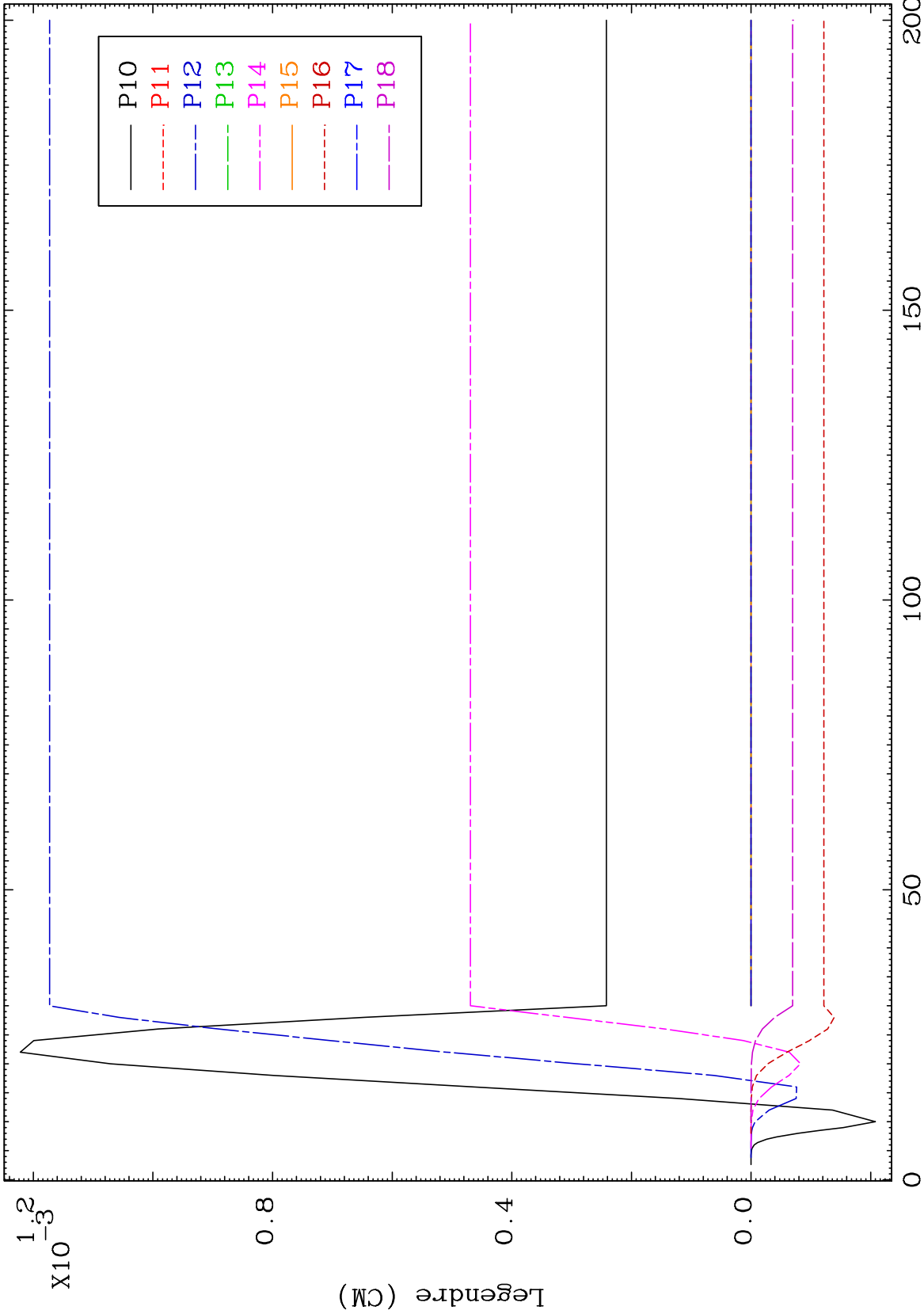
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



95

Incident Energy (MeV)

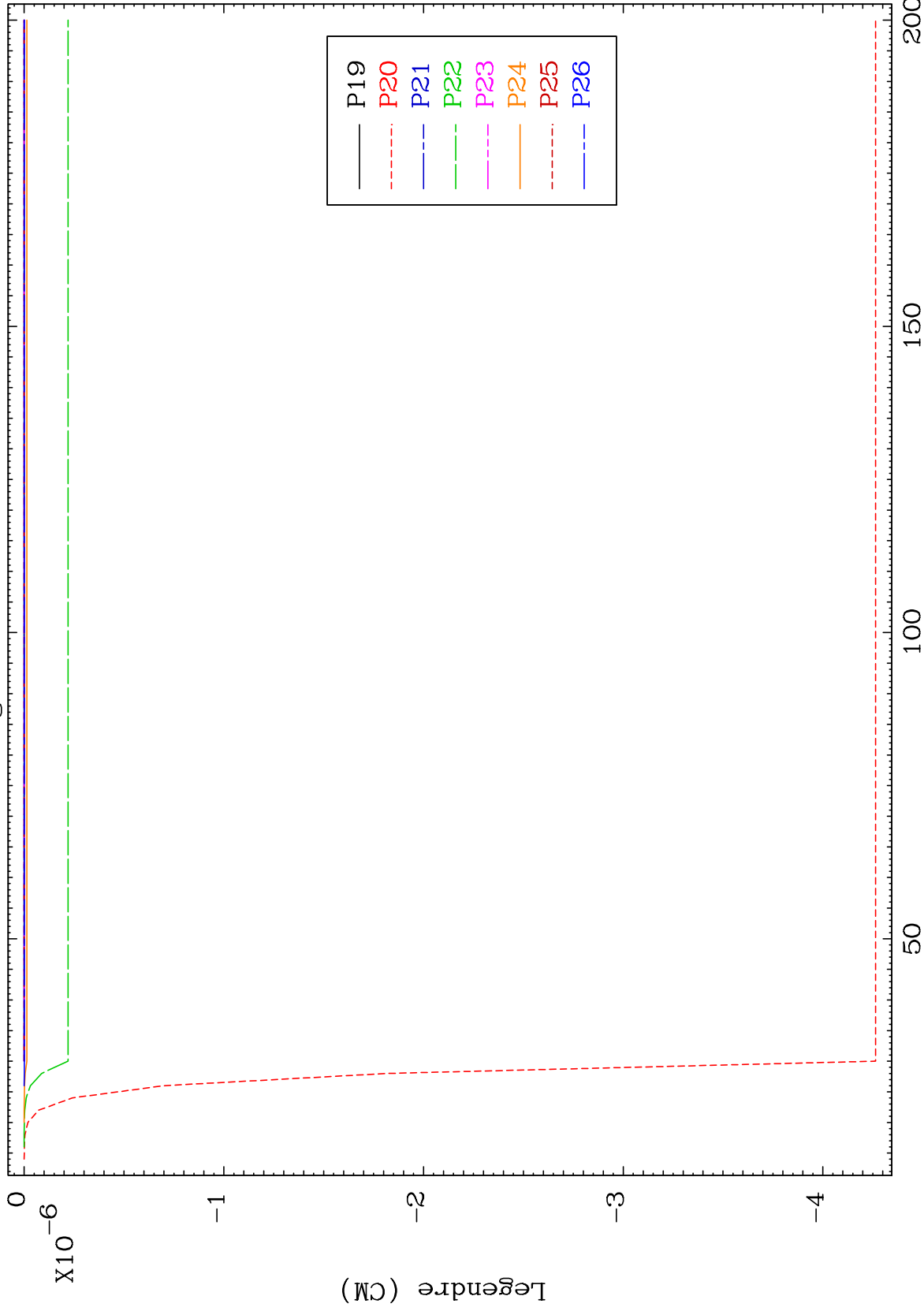
58-Ce-132



MAT 5813

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

58-Ce-132



96

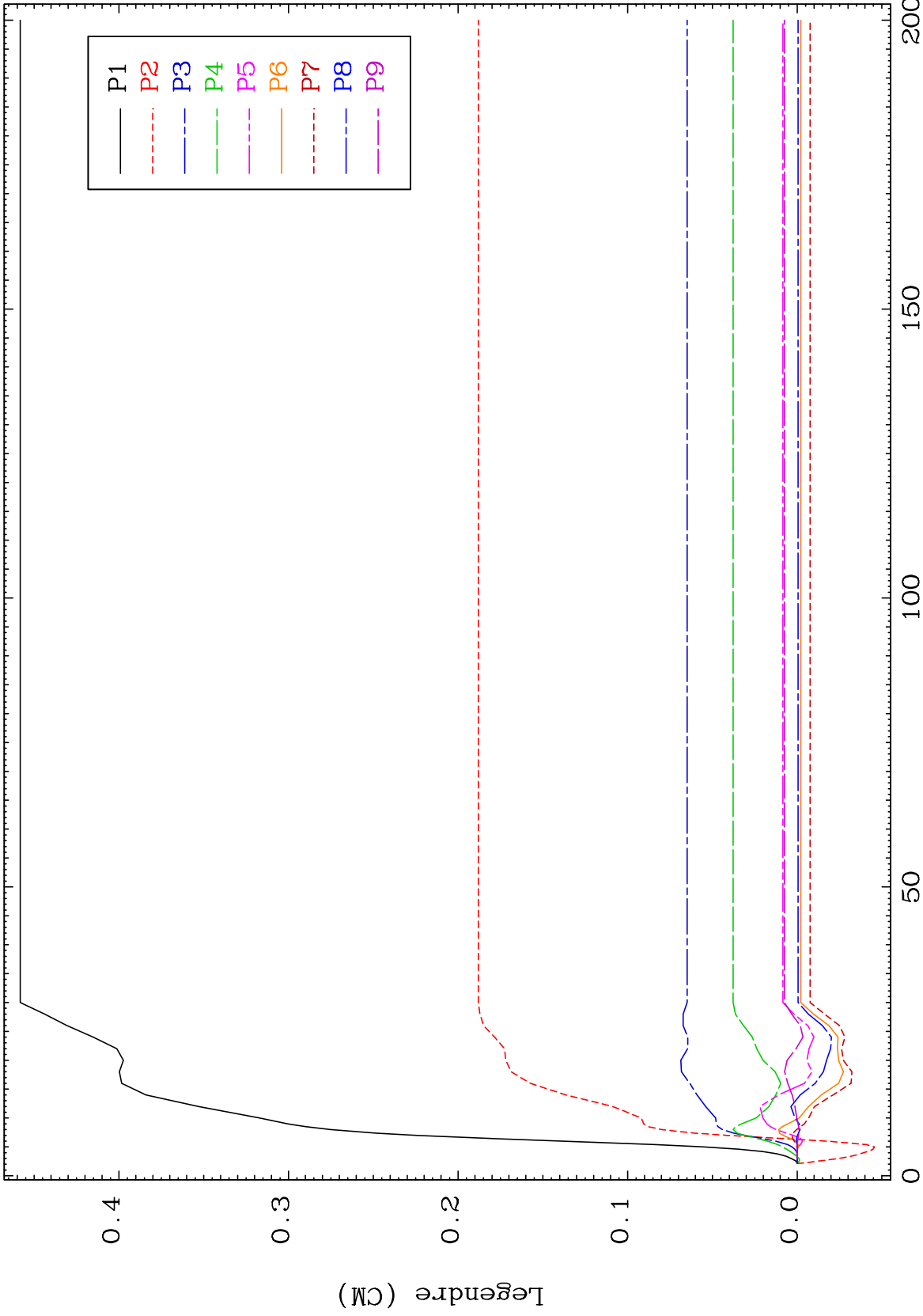
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



97

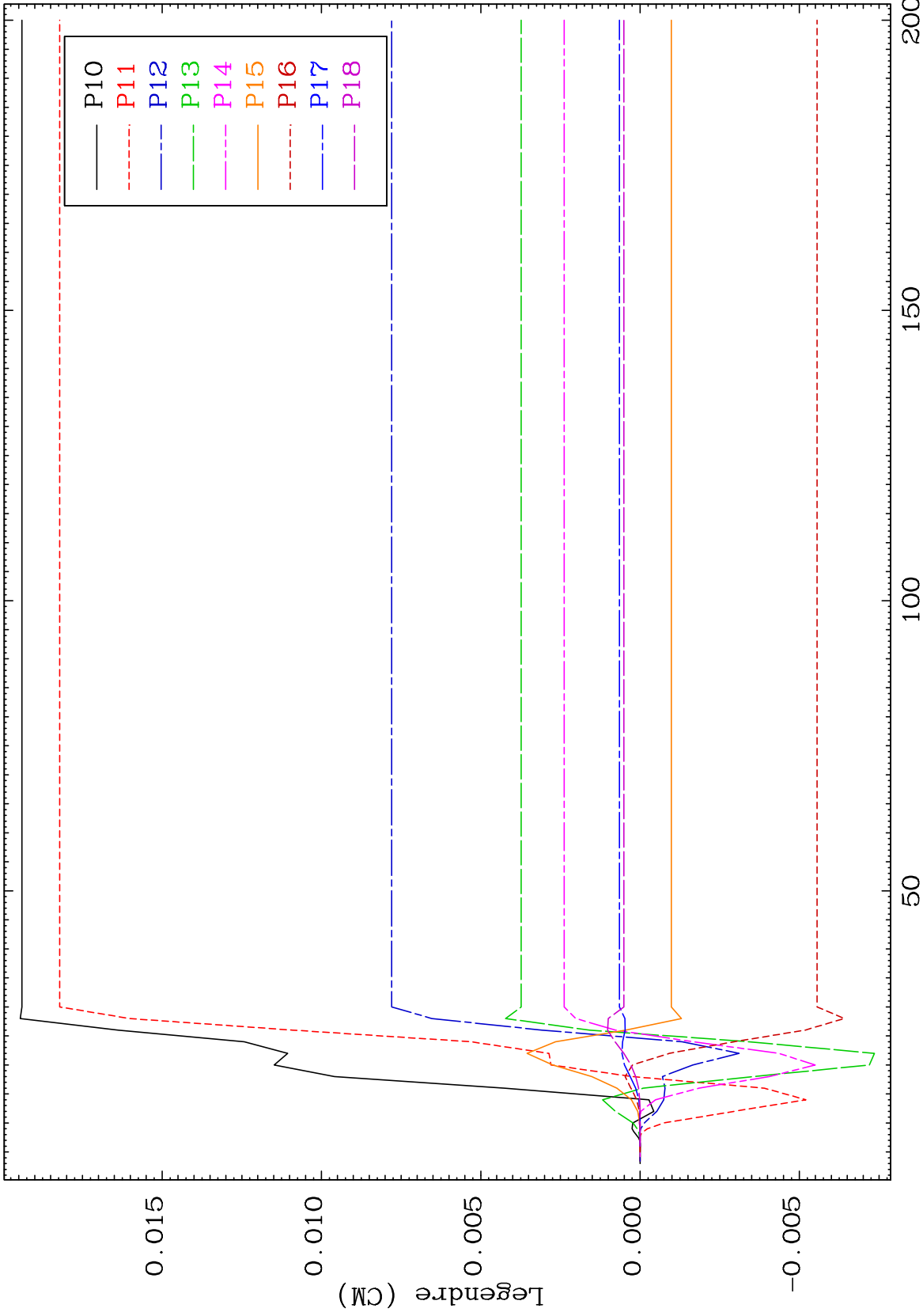
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



98

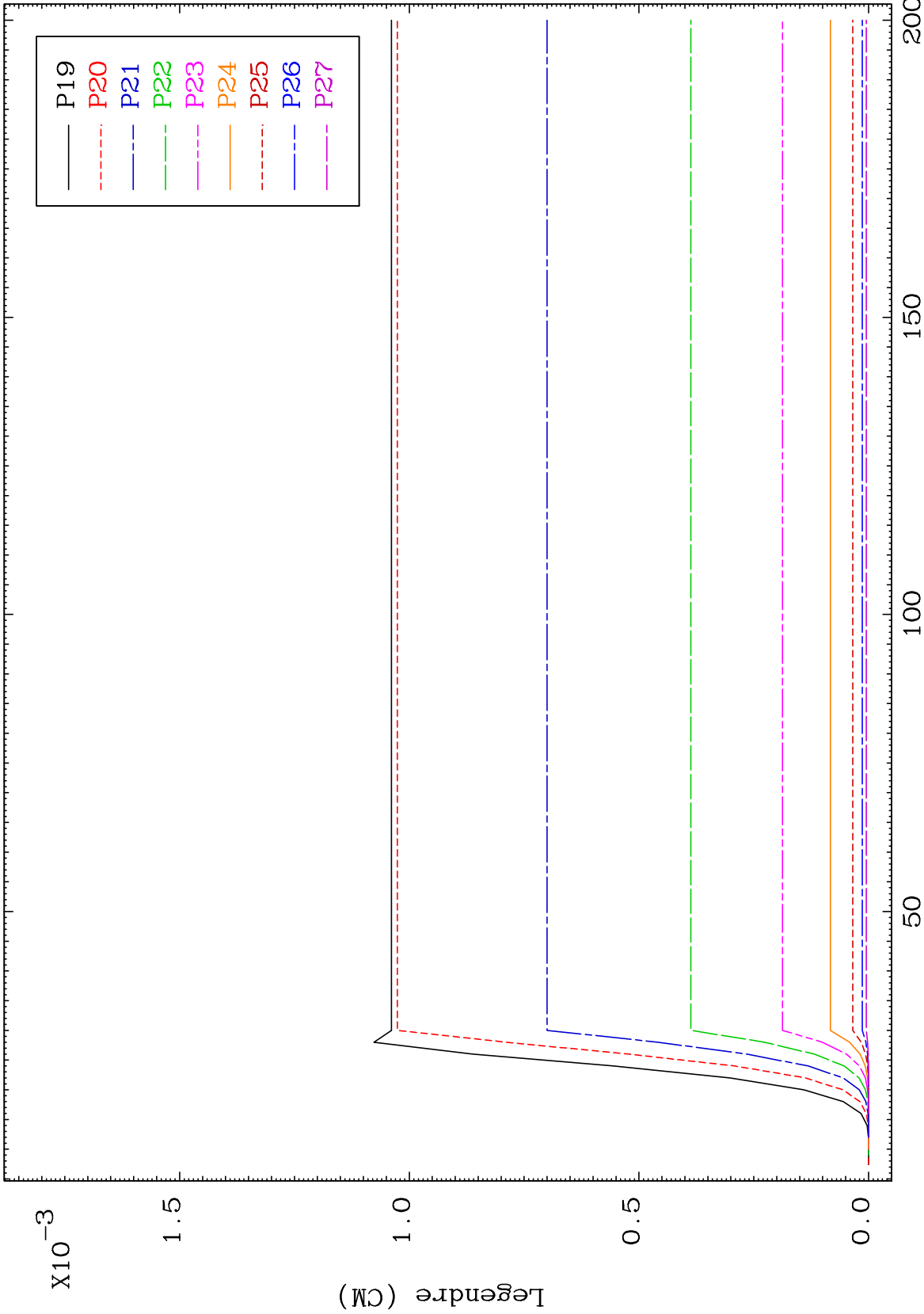
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



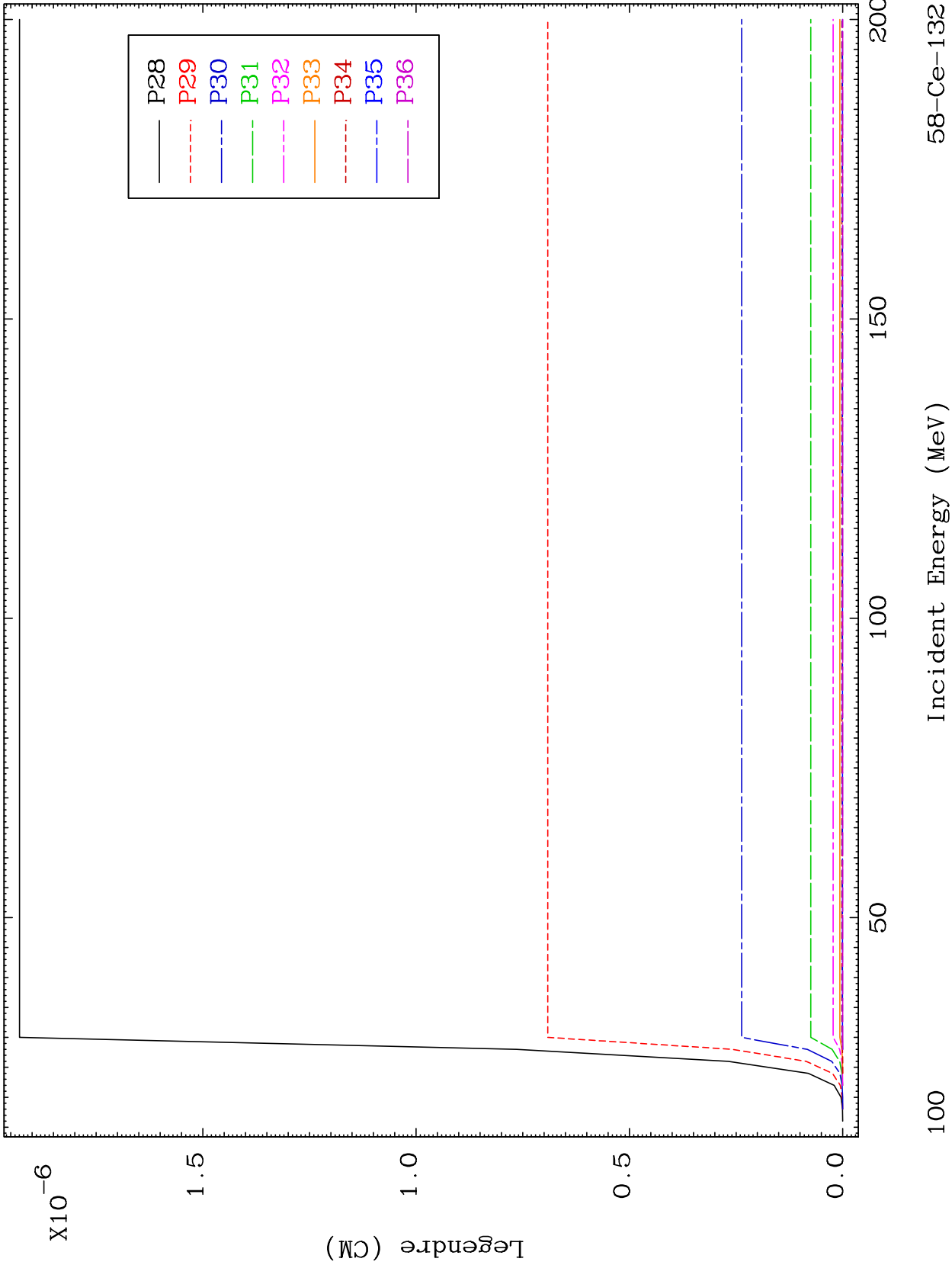
99

58-Ce-132

MAT 5813

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

58-Ce-132

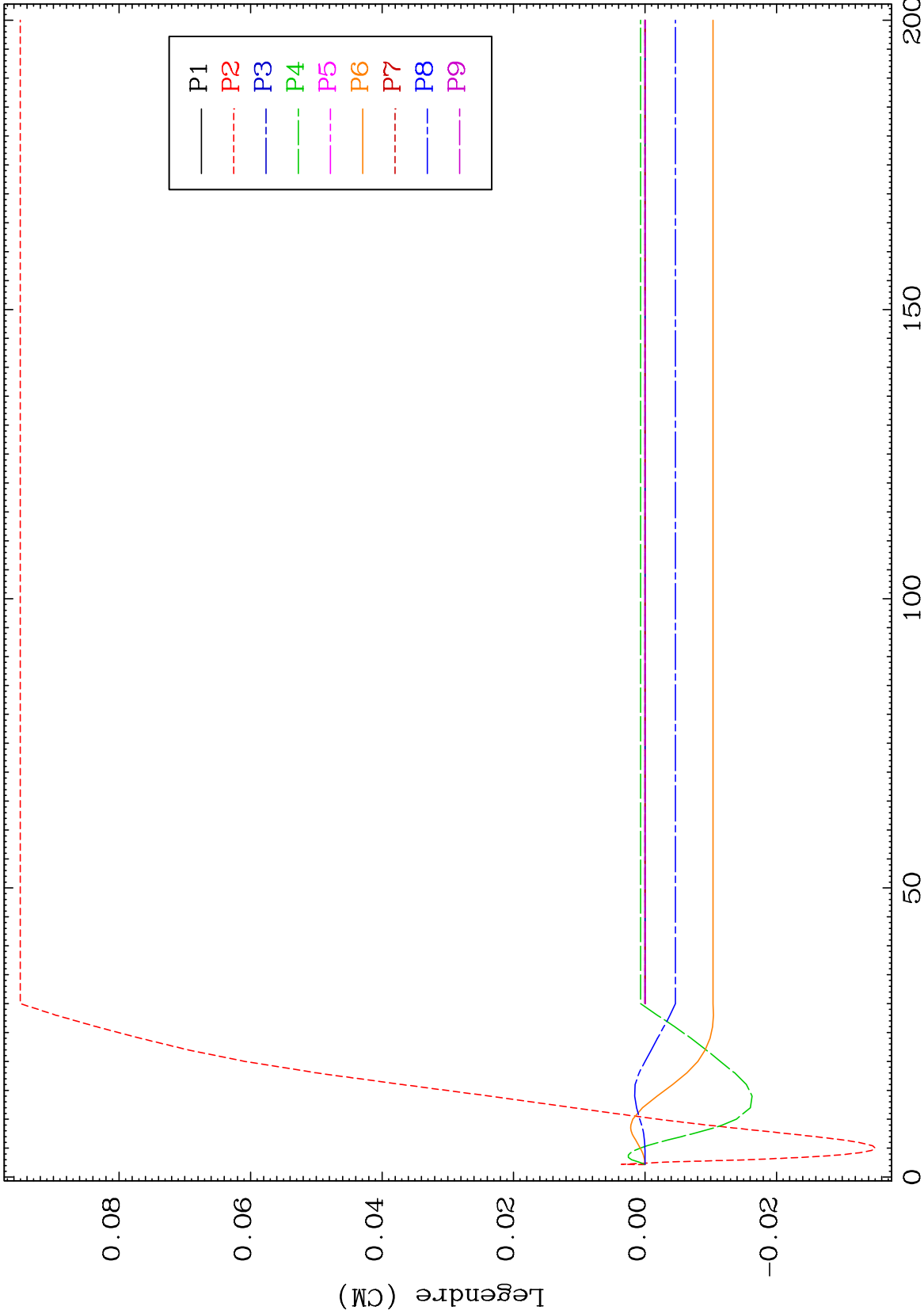


58-Ce-132

MAT 5813

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

58-Ce-132



101

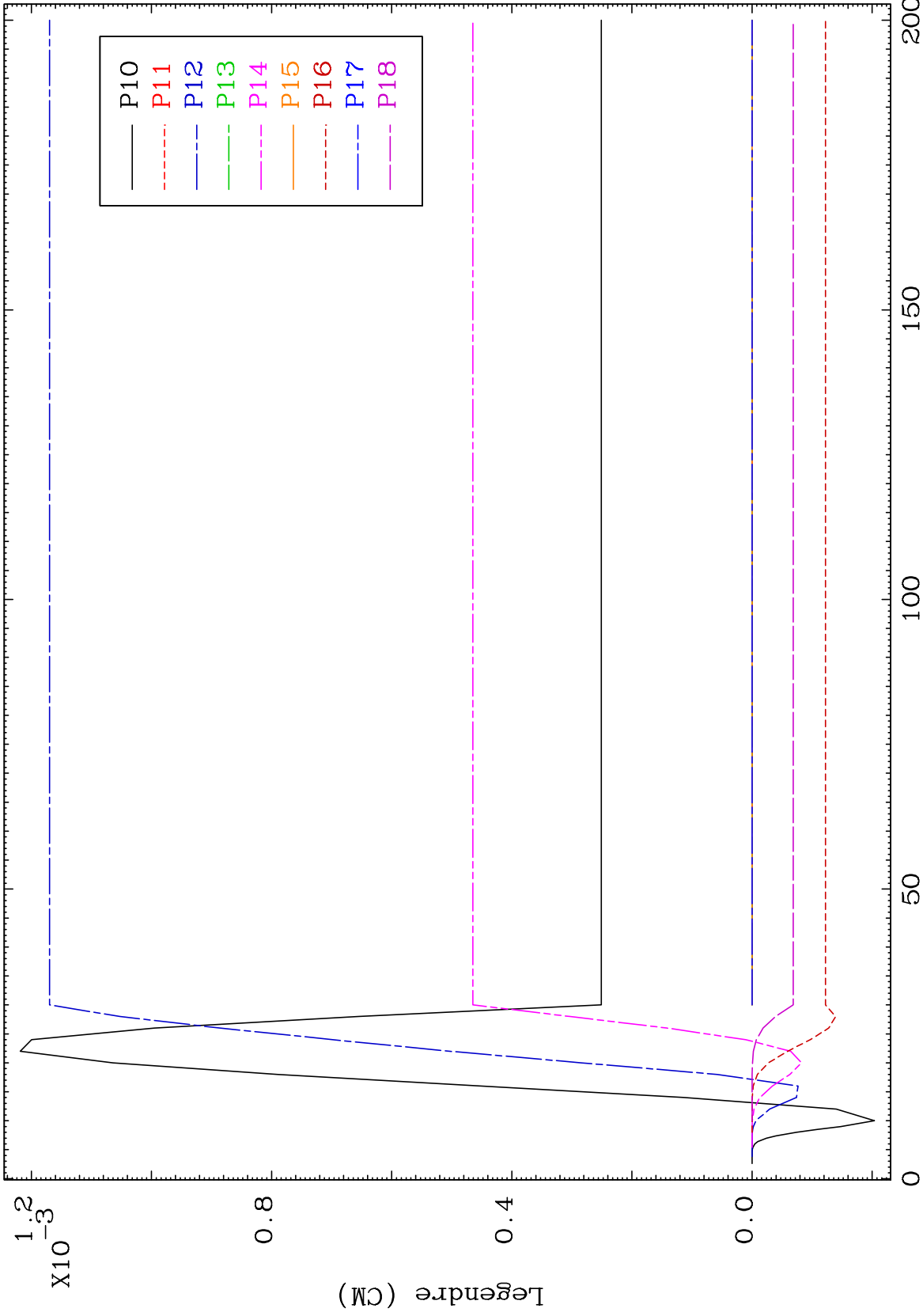
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132

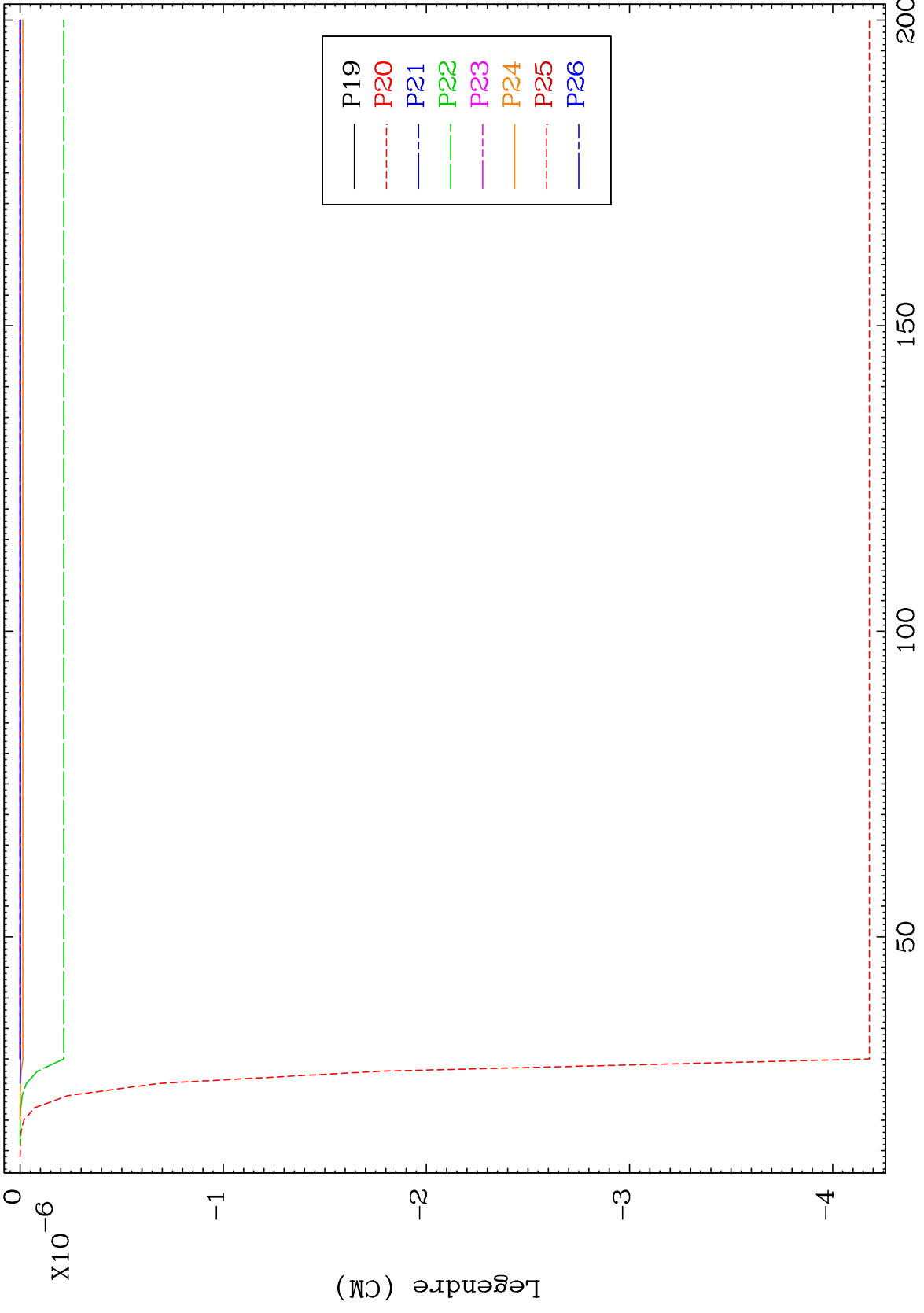


102

58-Ce-132

58-Ce-132

MAT 5813 MT= 73 (n,n') Level Legendre Coefficients 58-Ce-132



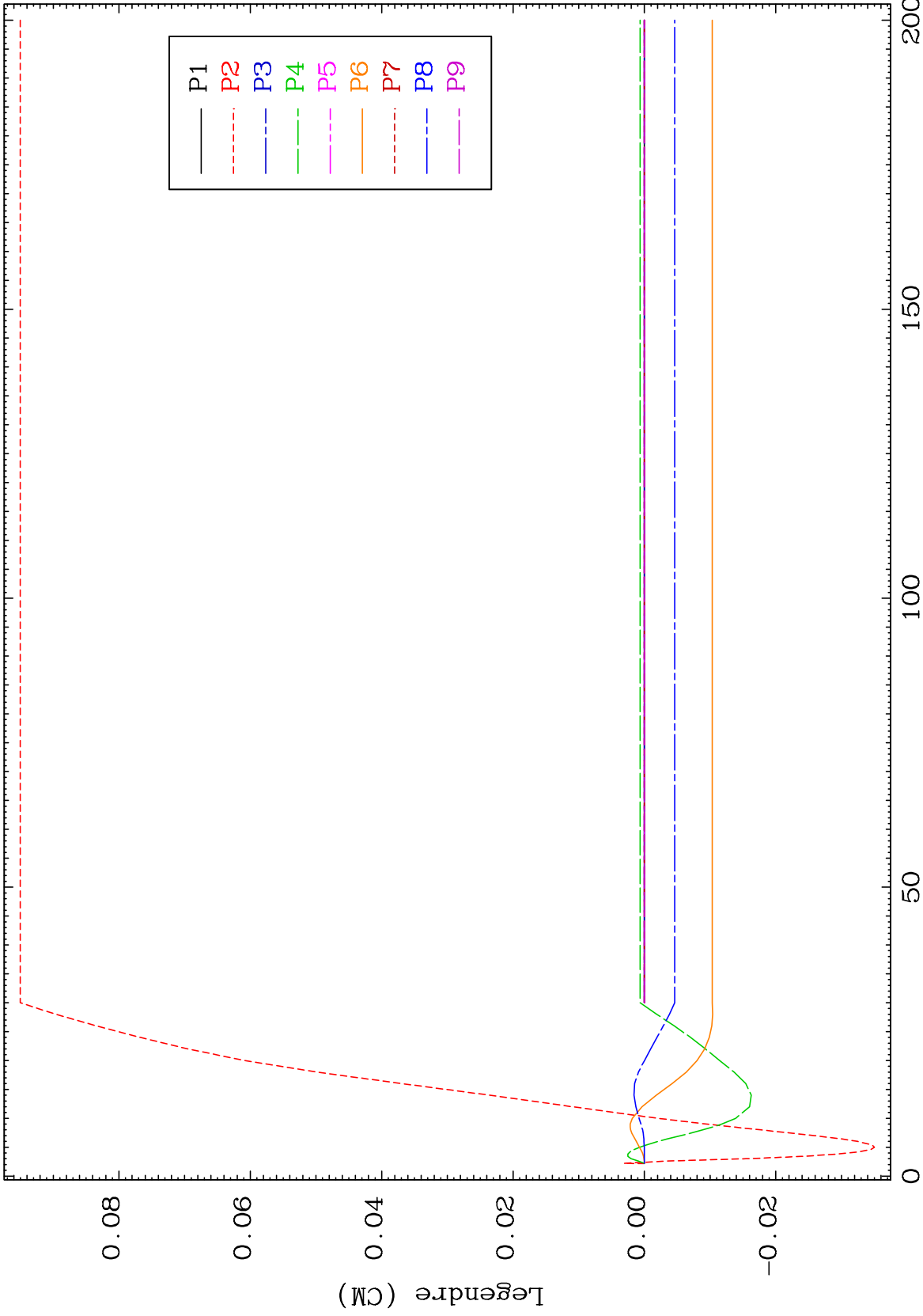
103 58-Ce-132



MAT 5813

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

58-Ce-132



104

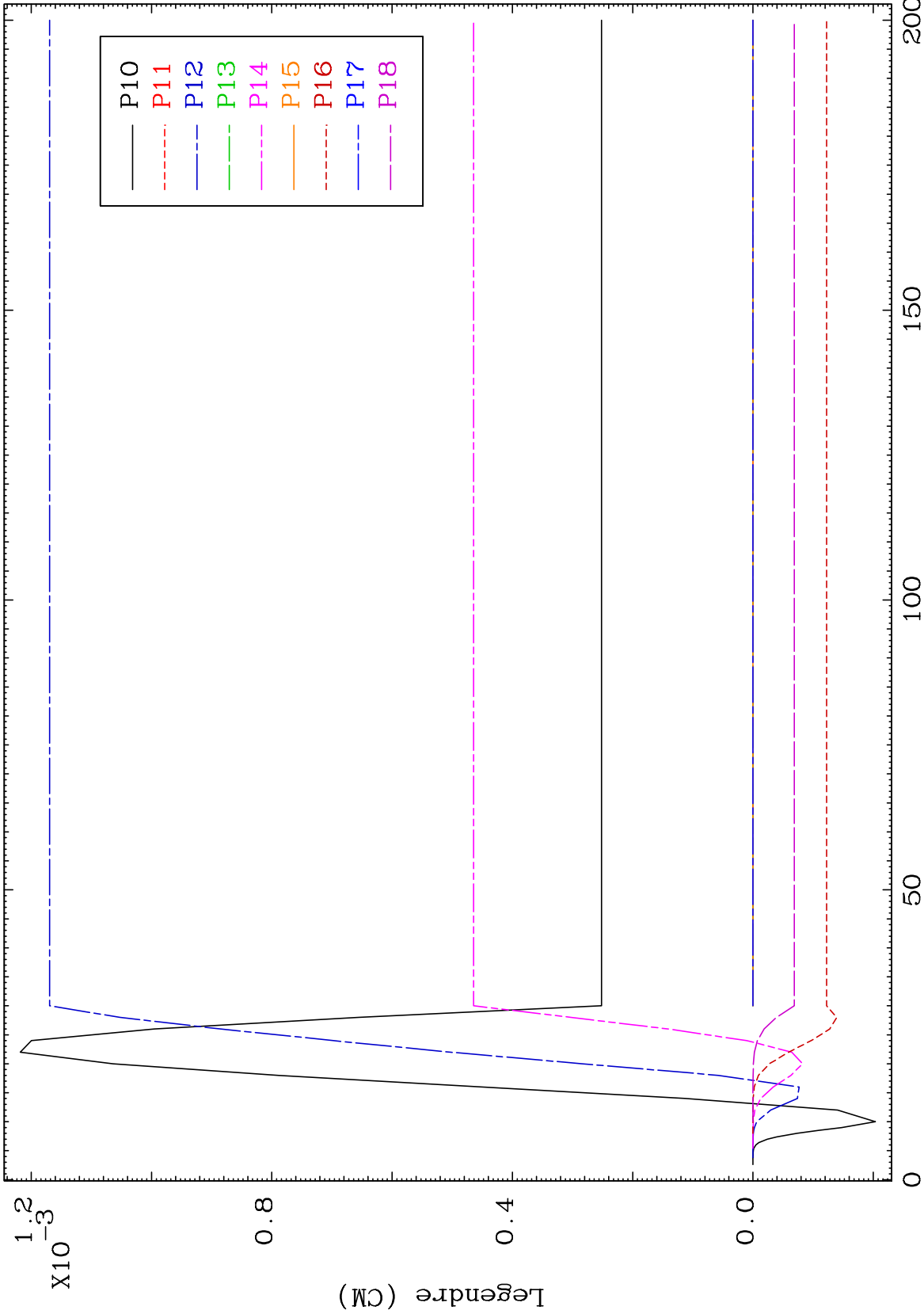
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



105

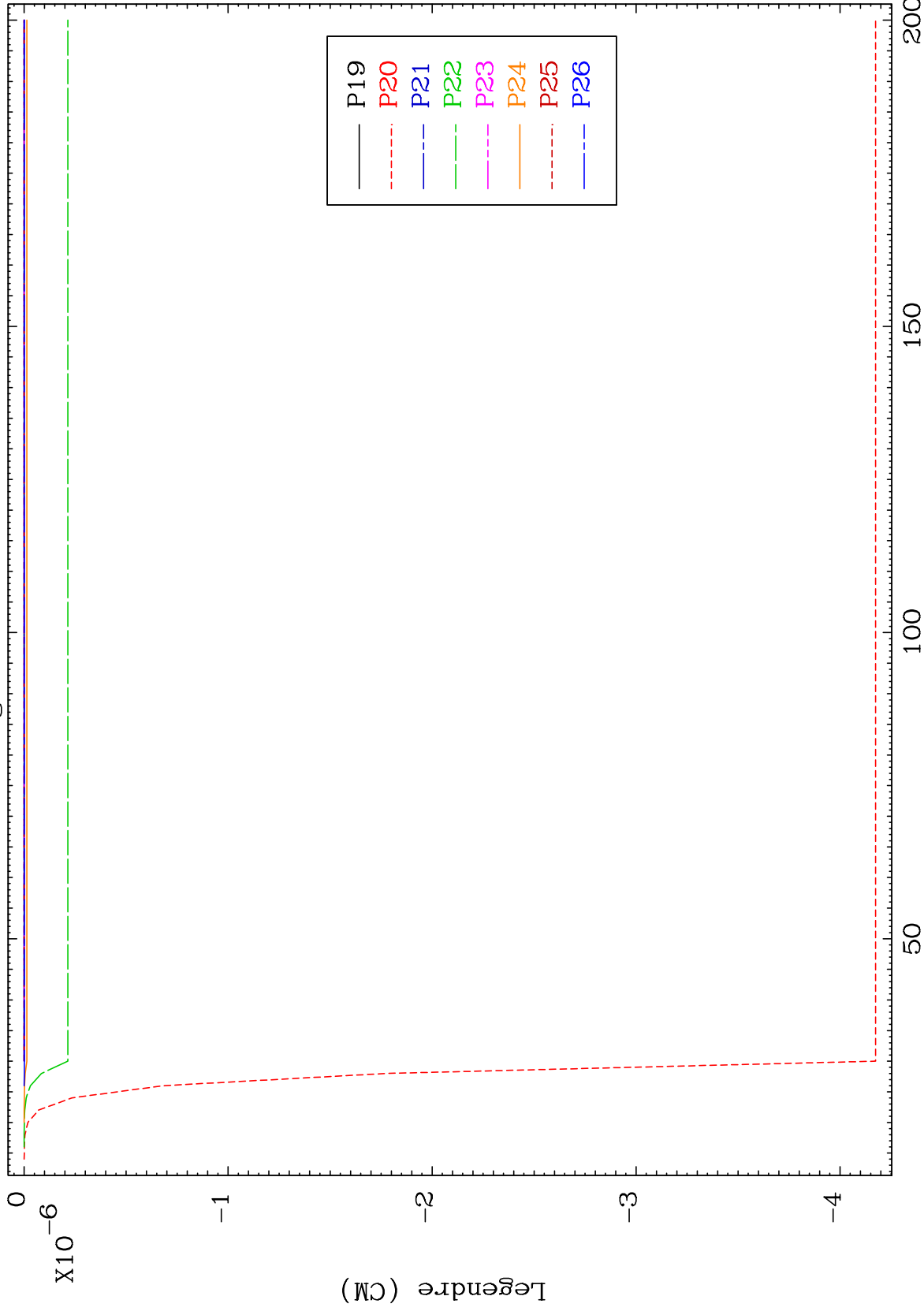
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



106

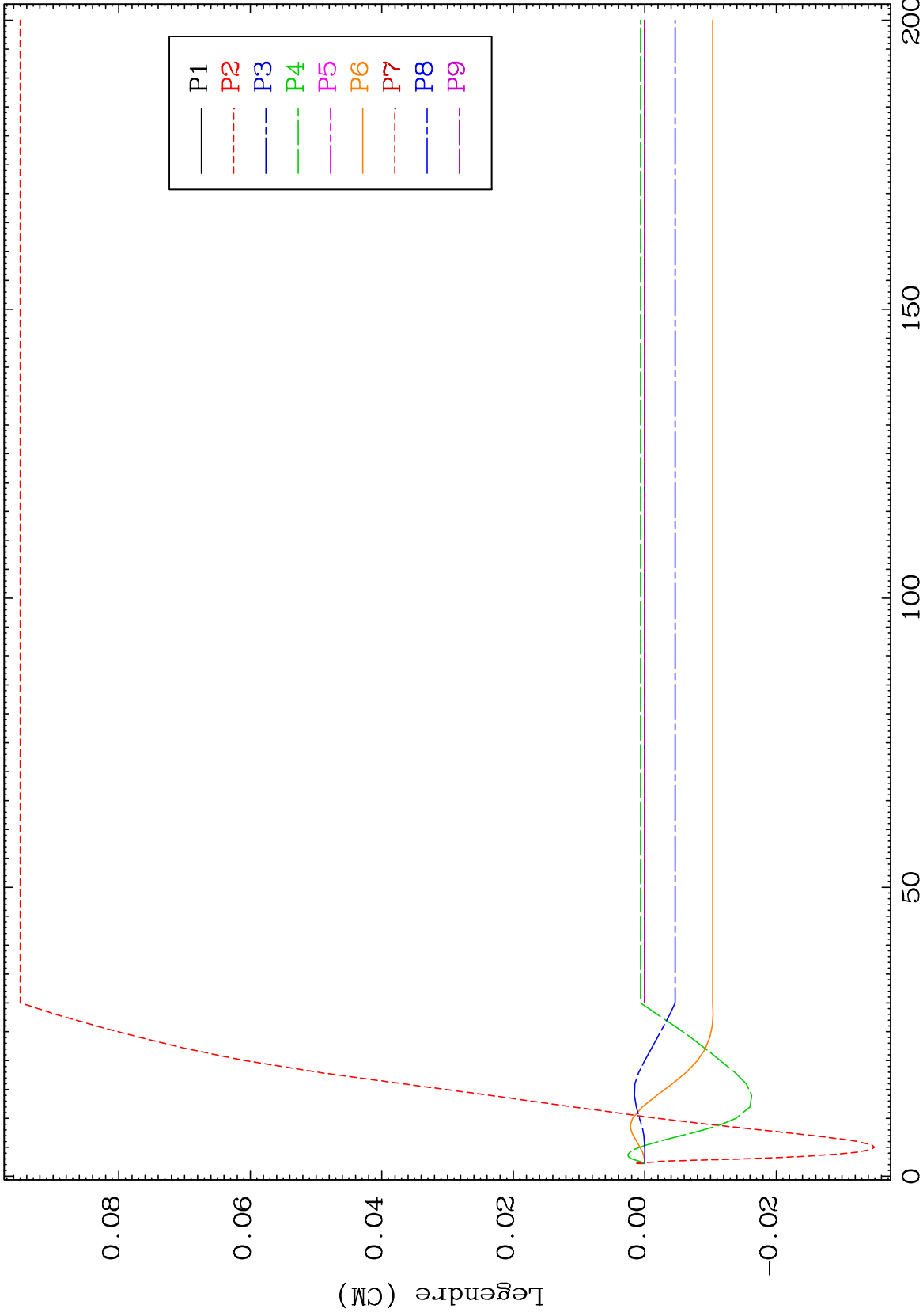
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



58-Ce-132

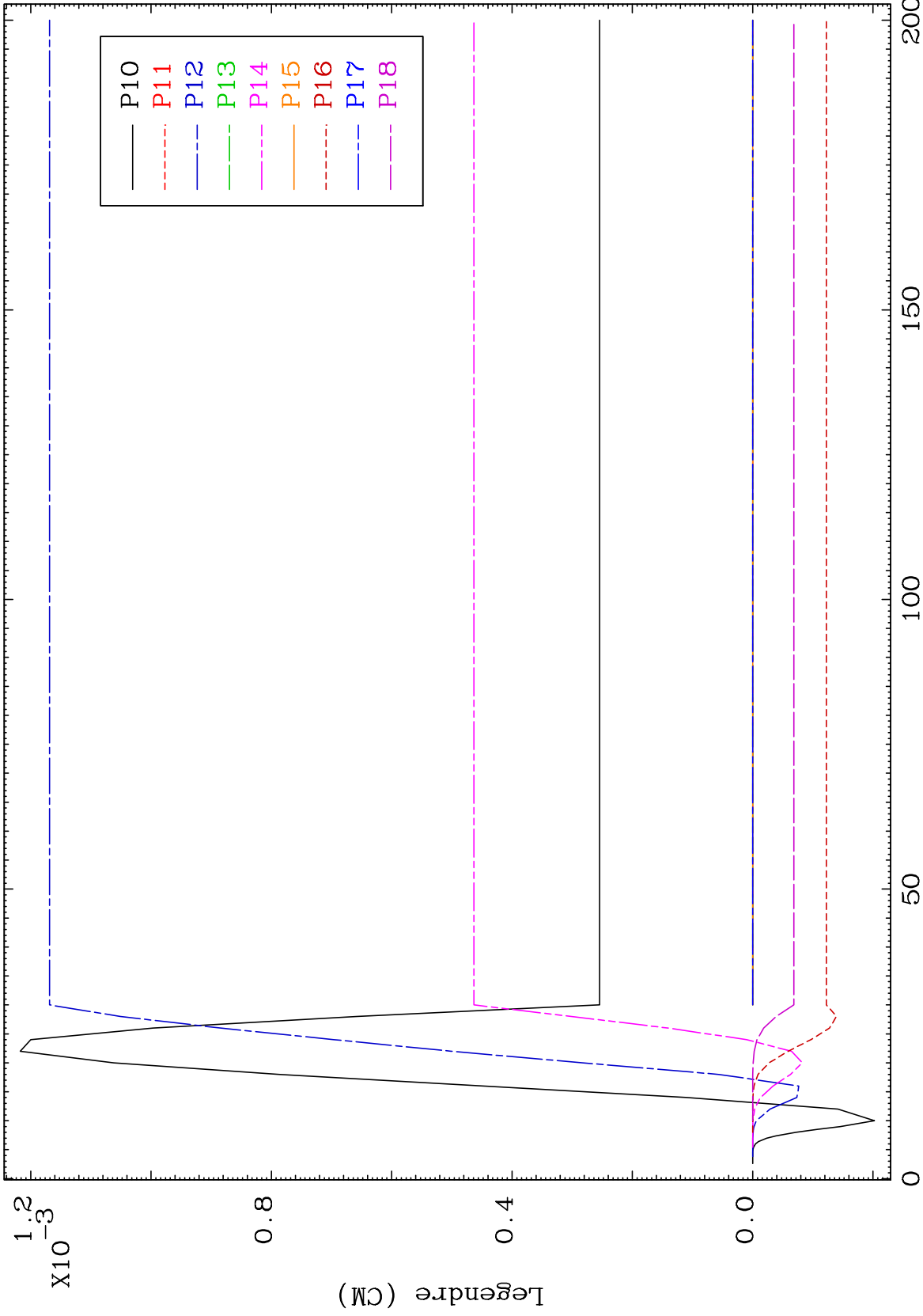
Incident Energy (MeV)

107

MAT 5813

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

58-Ce-132



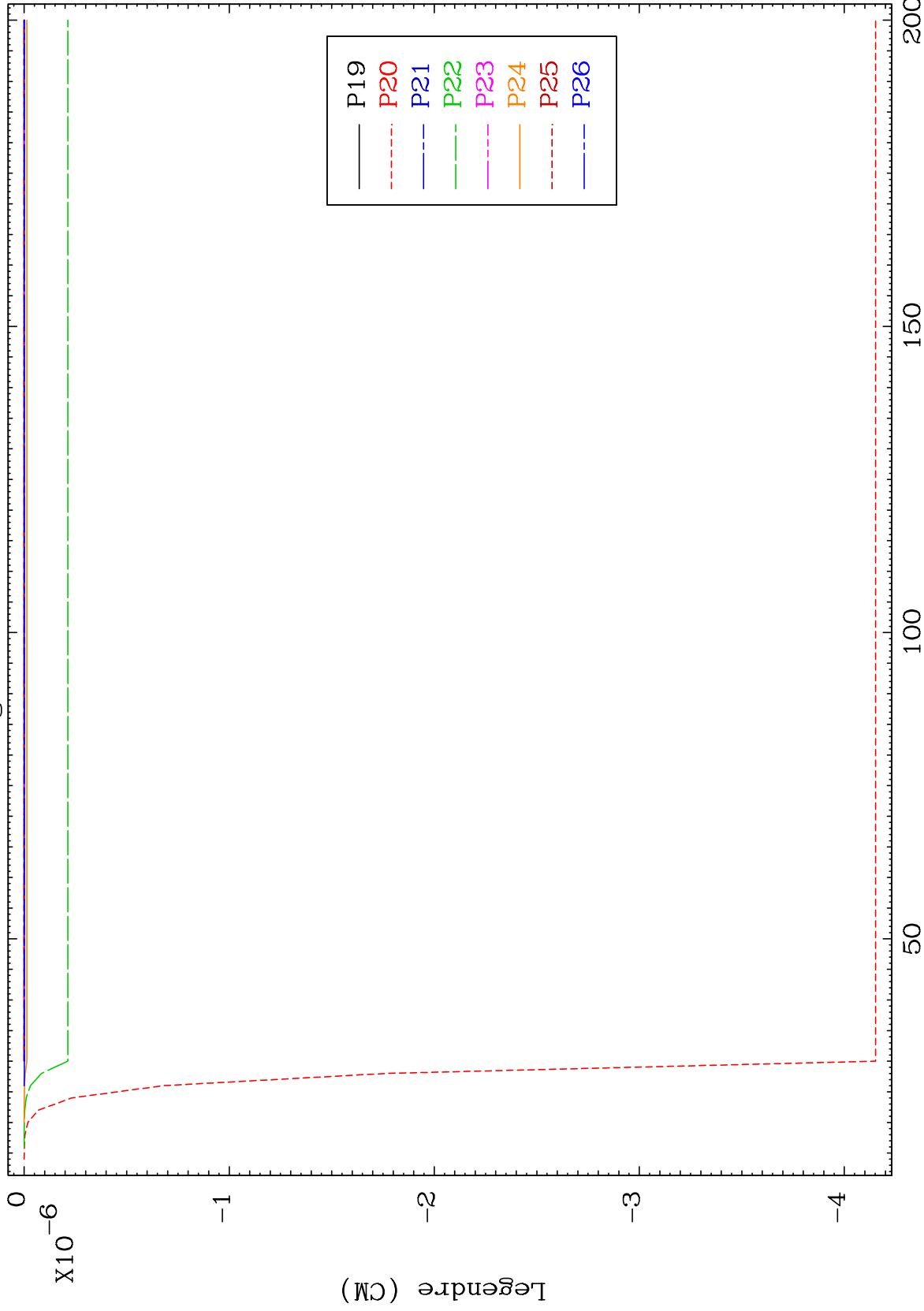
108

58-Ce-132

MAT 5813

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

58-Ce-132

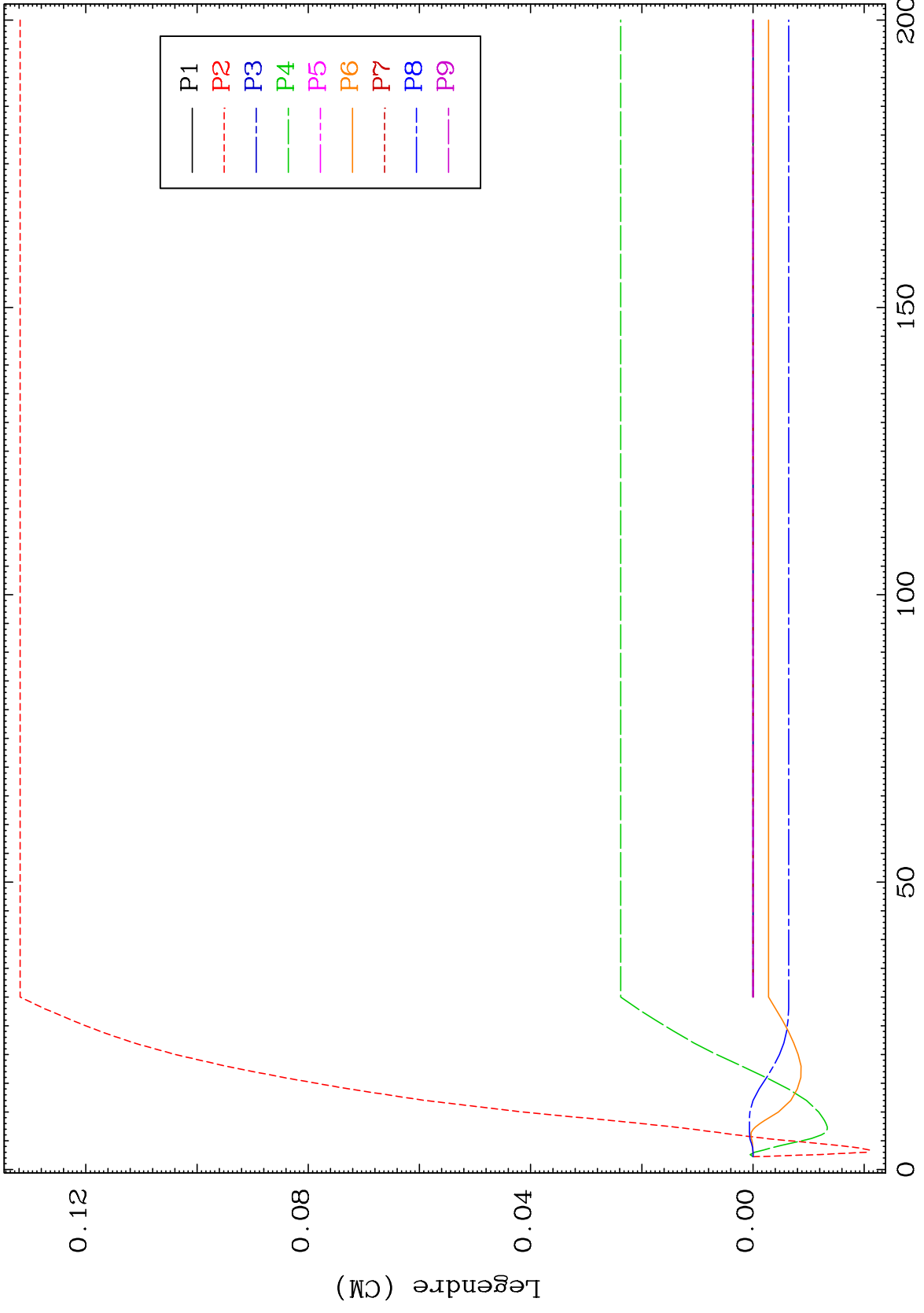


109

Incident Energy (MeV)

58-Ce-132

MAT 5813 MT= 76 (n,n') Level Legendre Coefficients 58-Ce-132

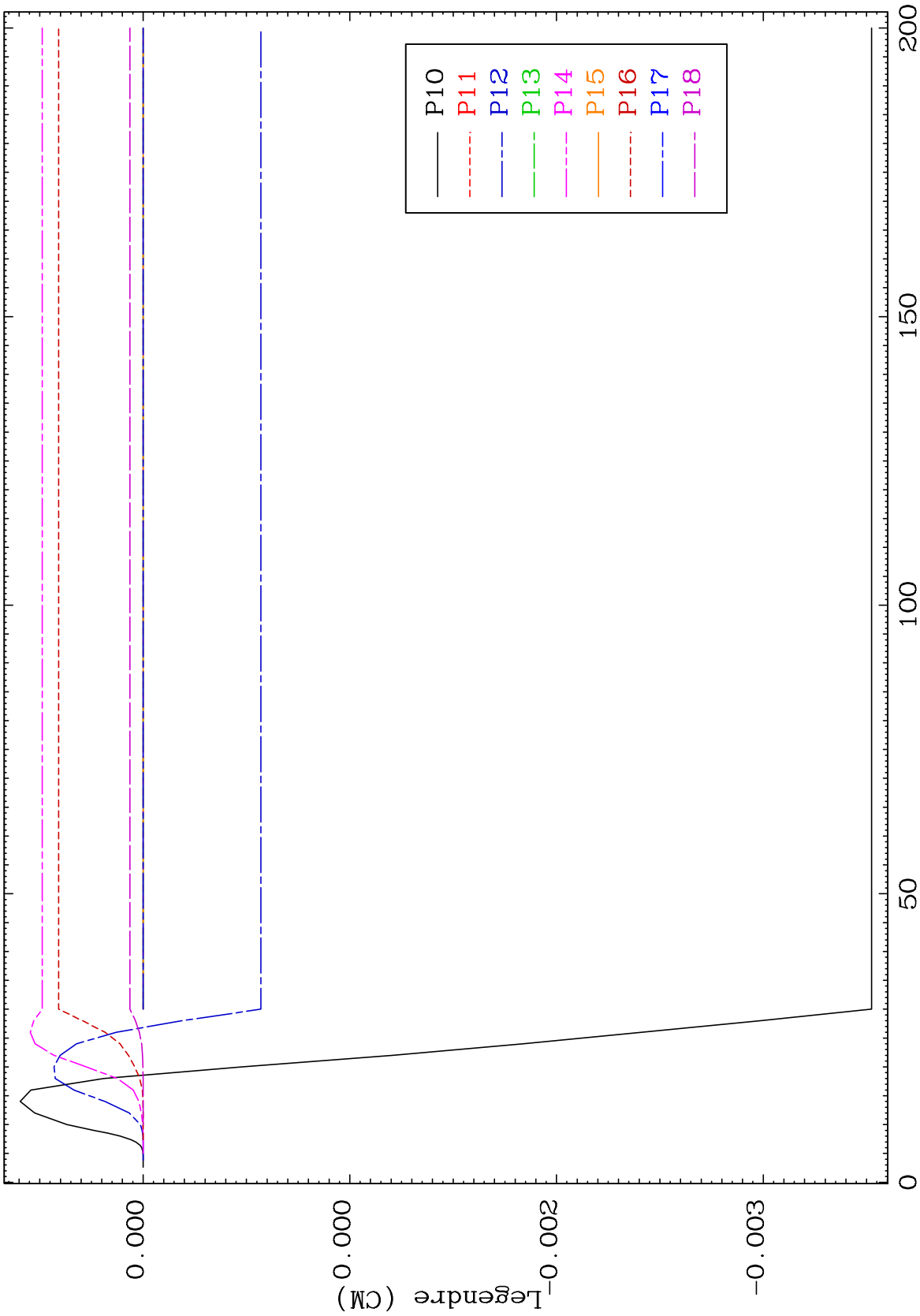


110 Incident Energy (MeV) 58-Ce-132

MAT 5813

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

58-Ce-132



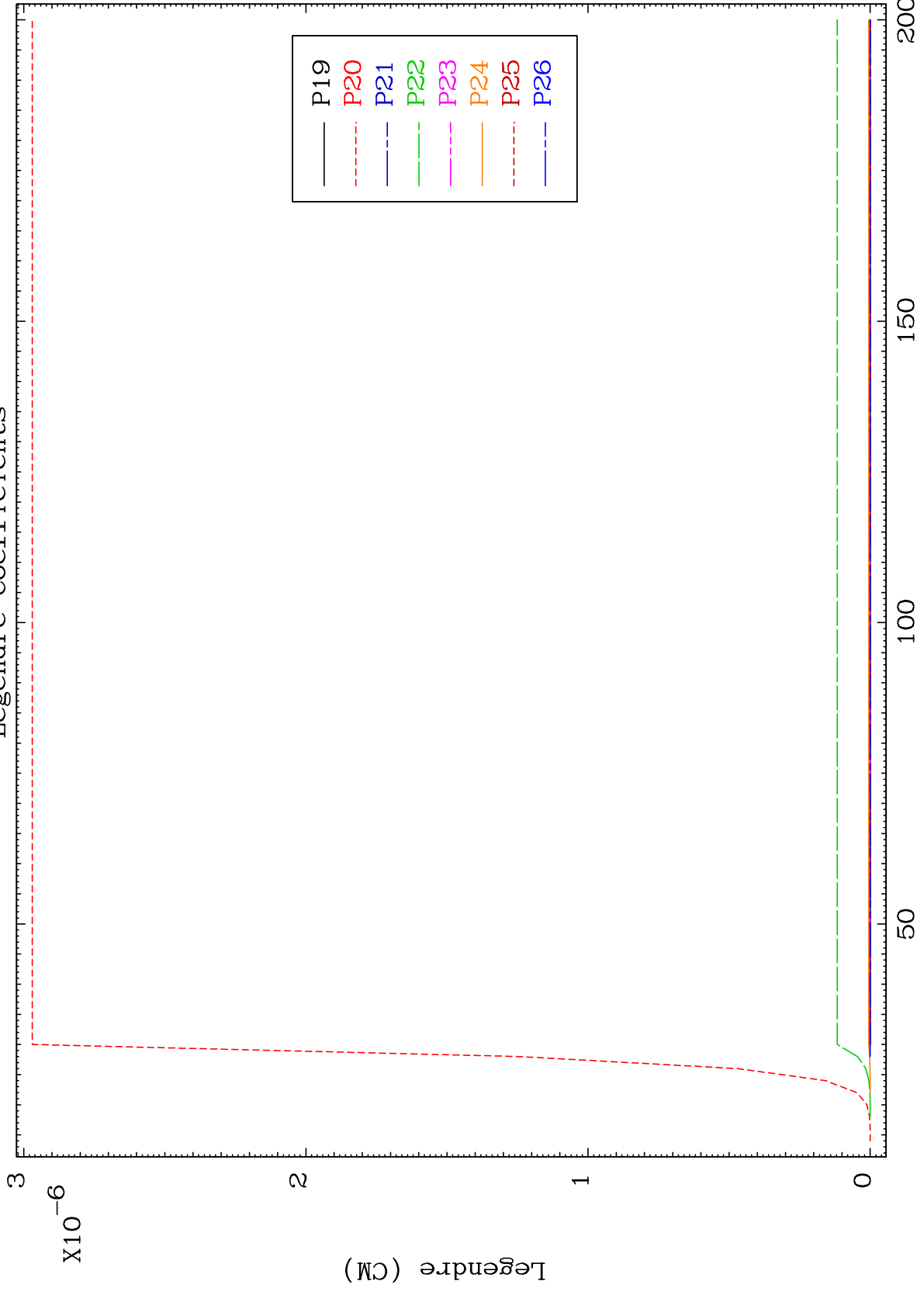
111

Incident Energy (MeV)

58-Ce-132



MAT 5813 MT= 76 (n,n') Level Legendre Coefficients 58-Ce-132

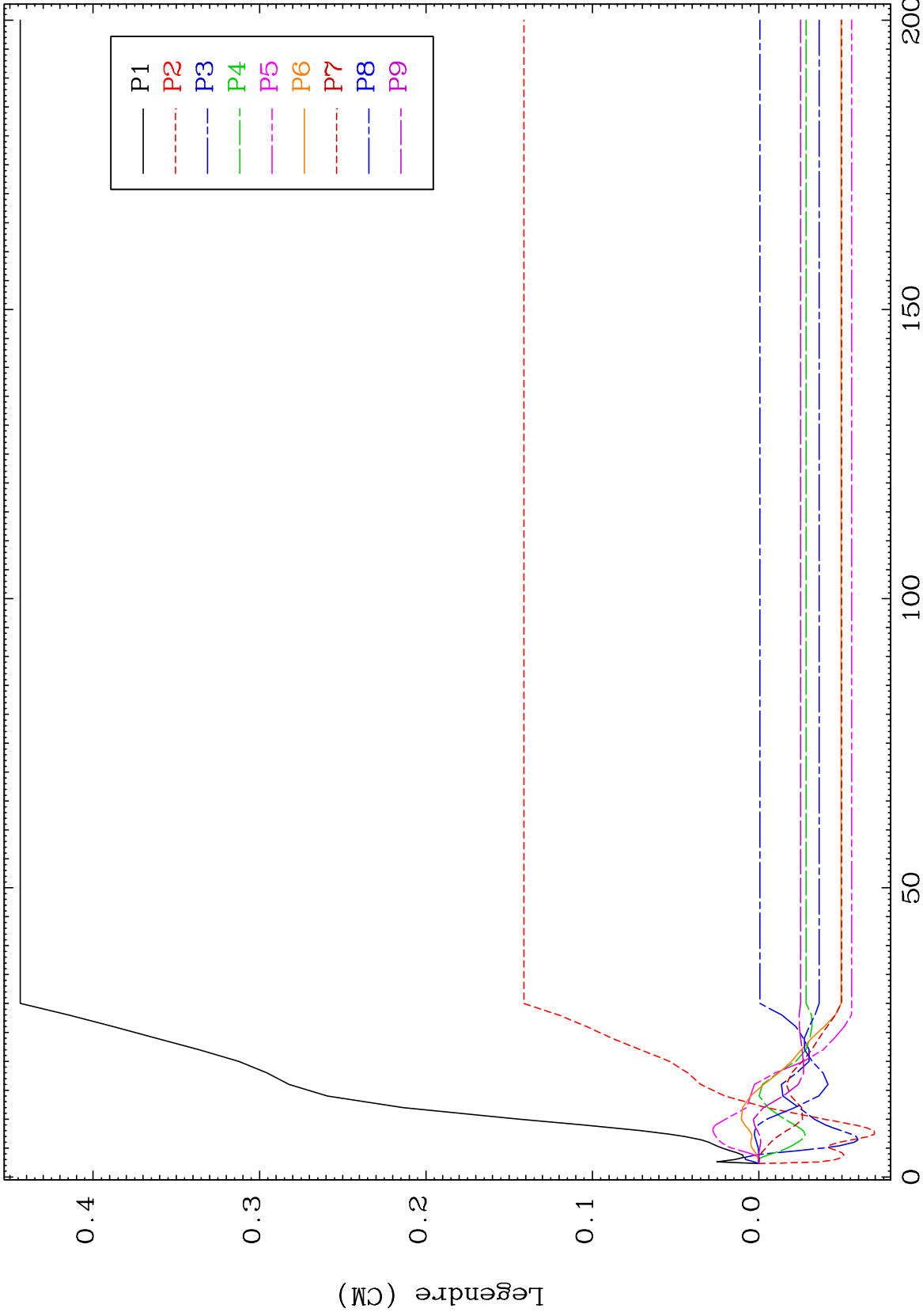


112 50 100 150 200 58-Ce-132

MAT 5813

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

58-Ce-132



113

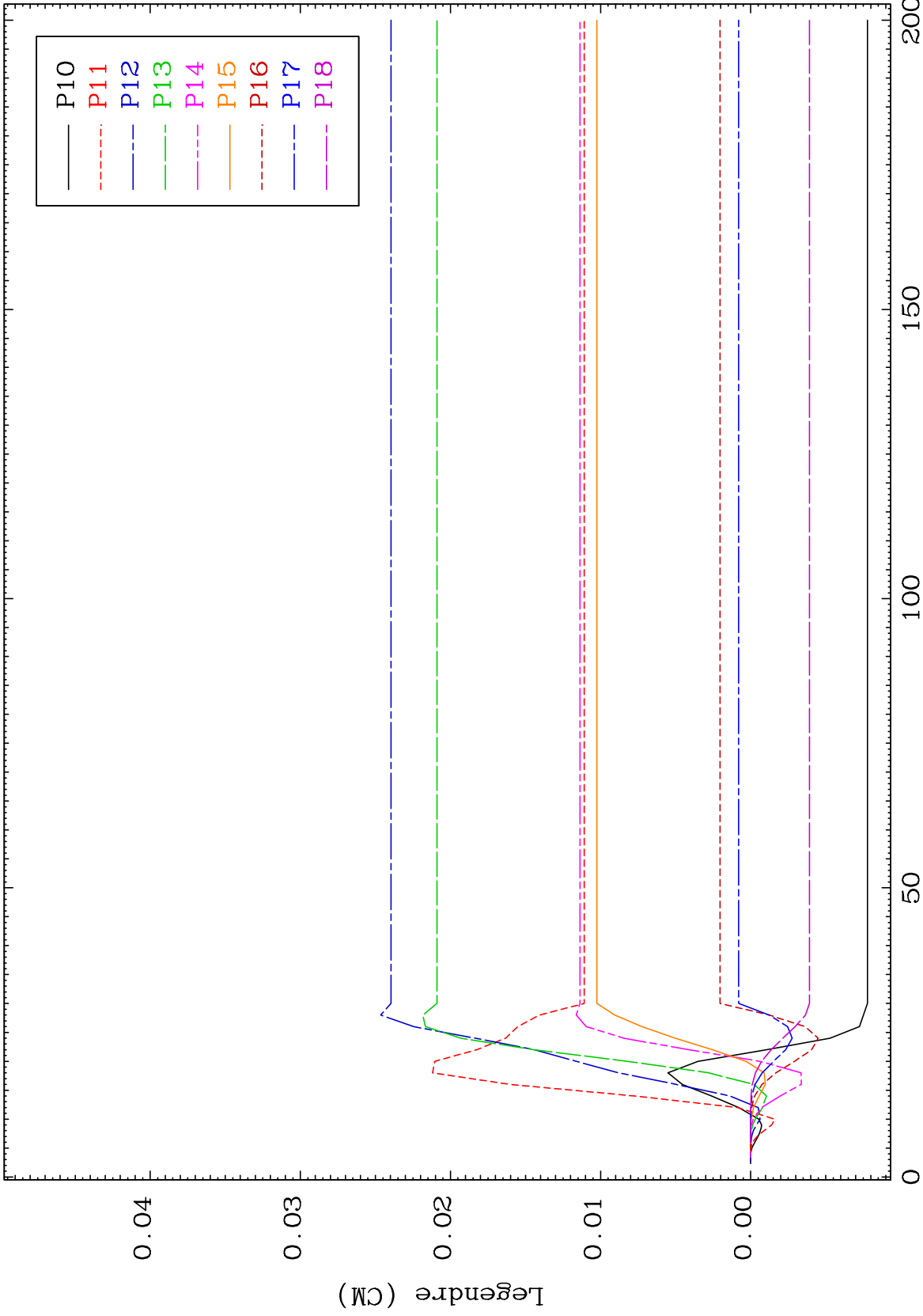
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



114

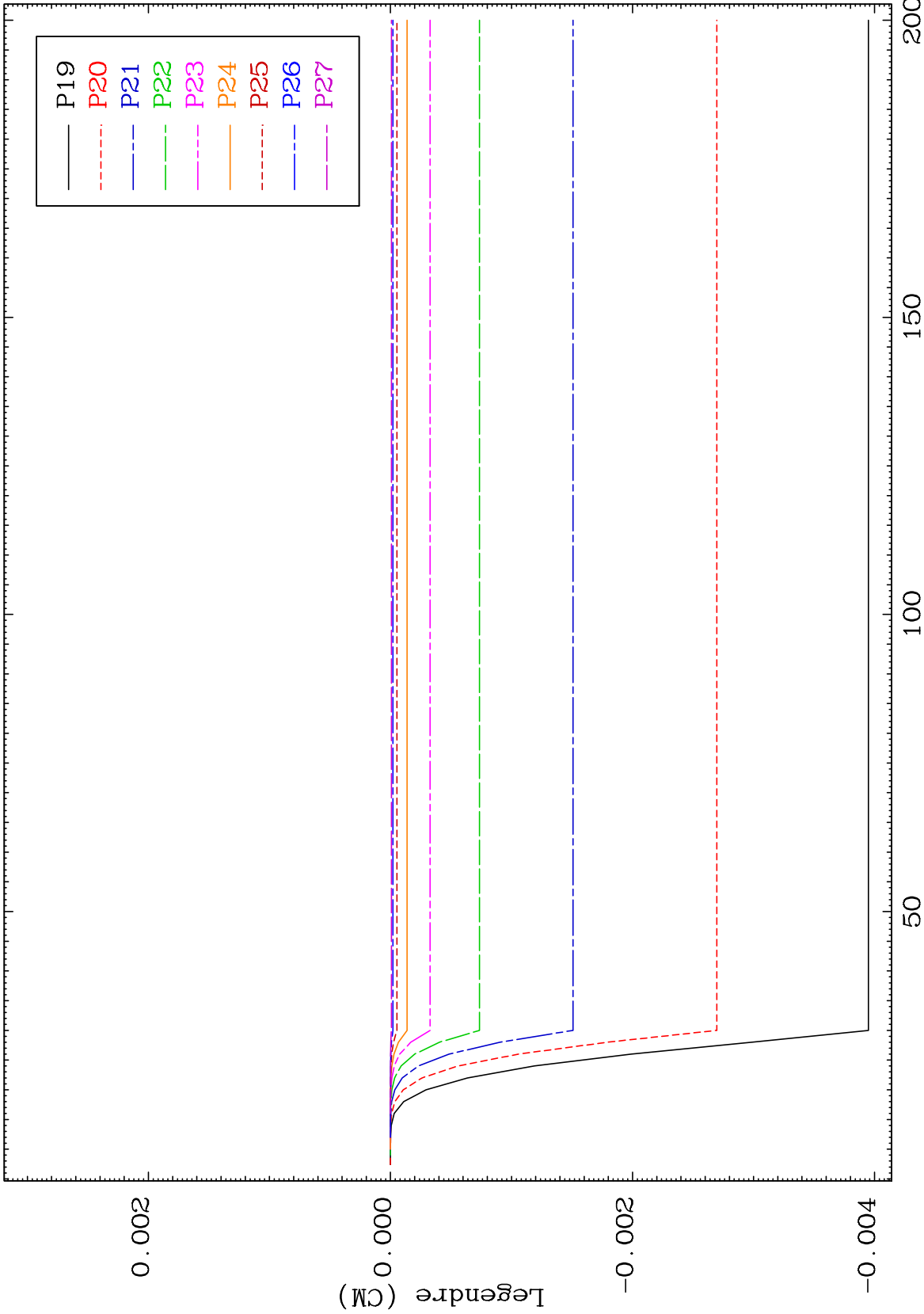
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



115

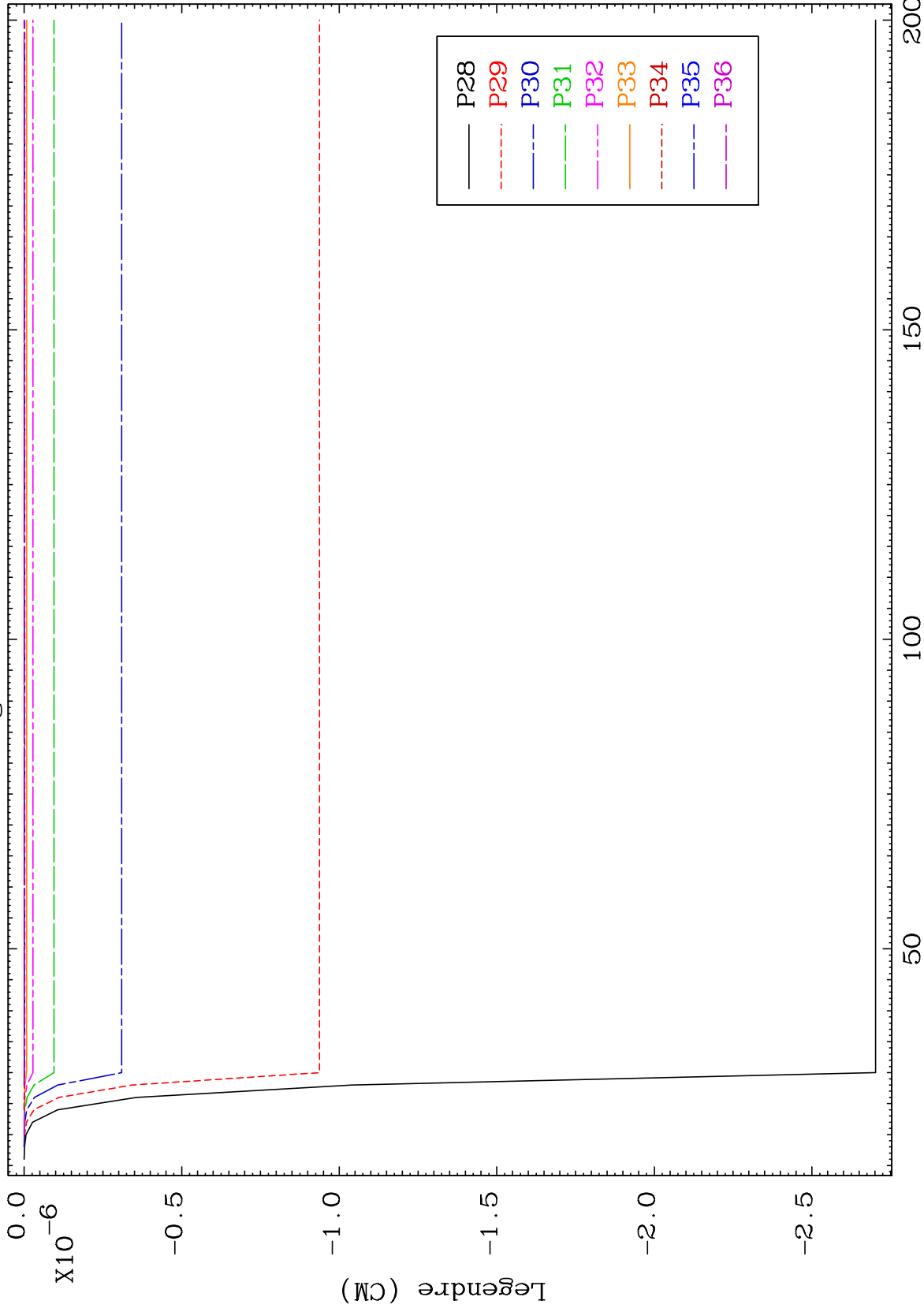
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



116

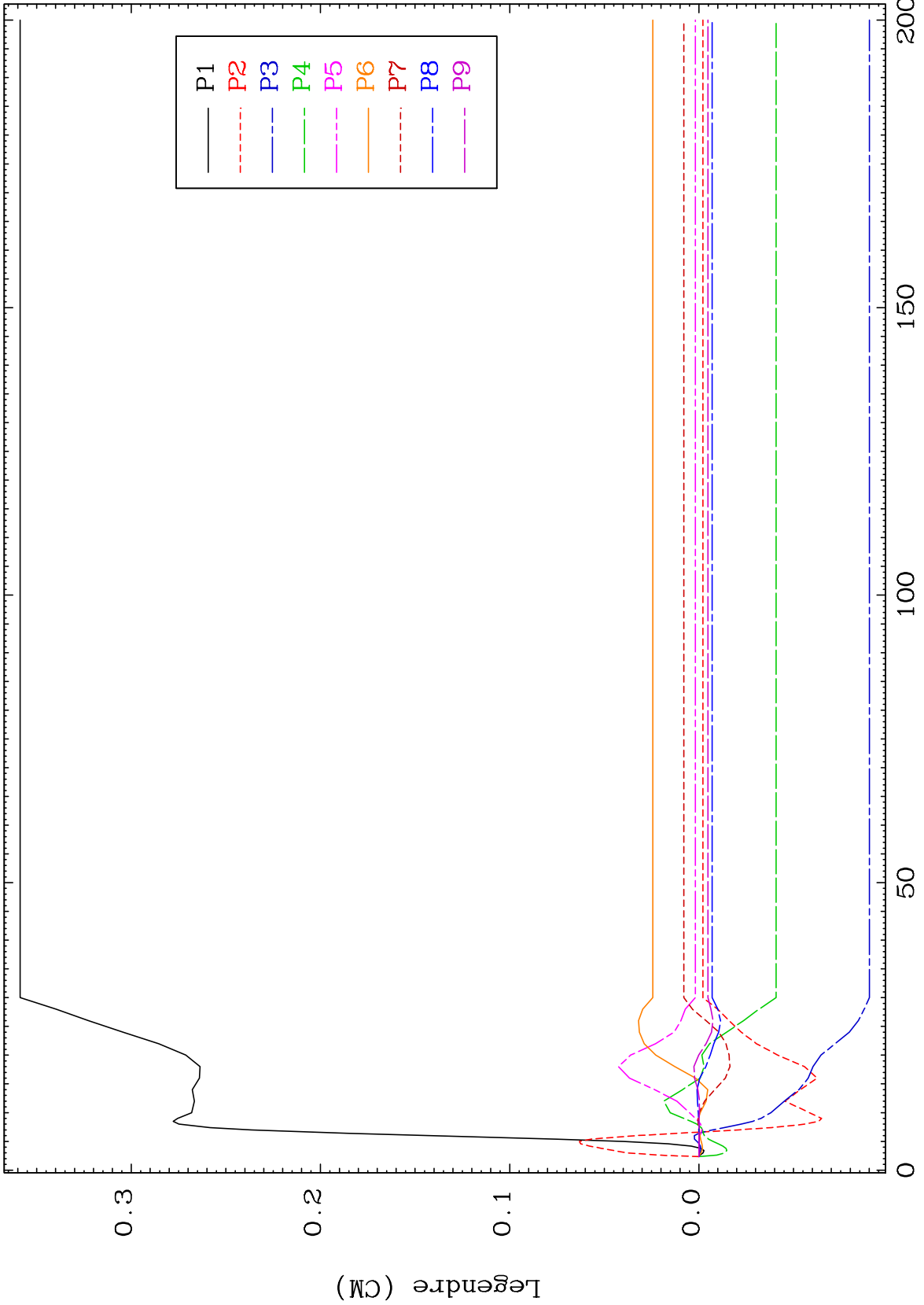
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



117

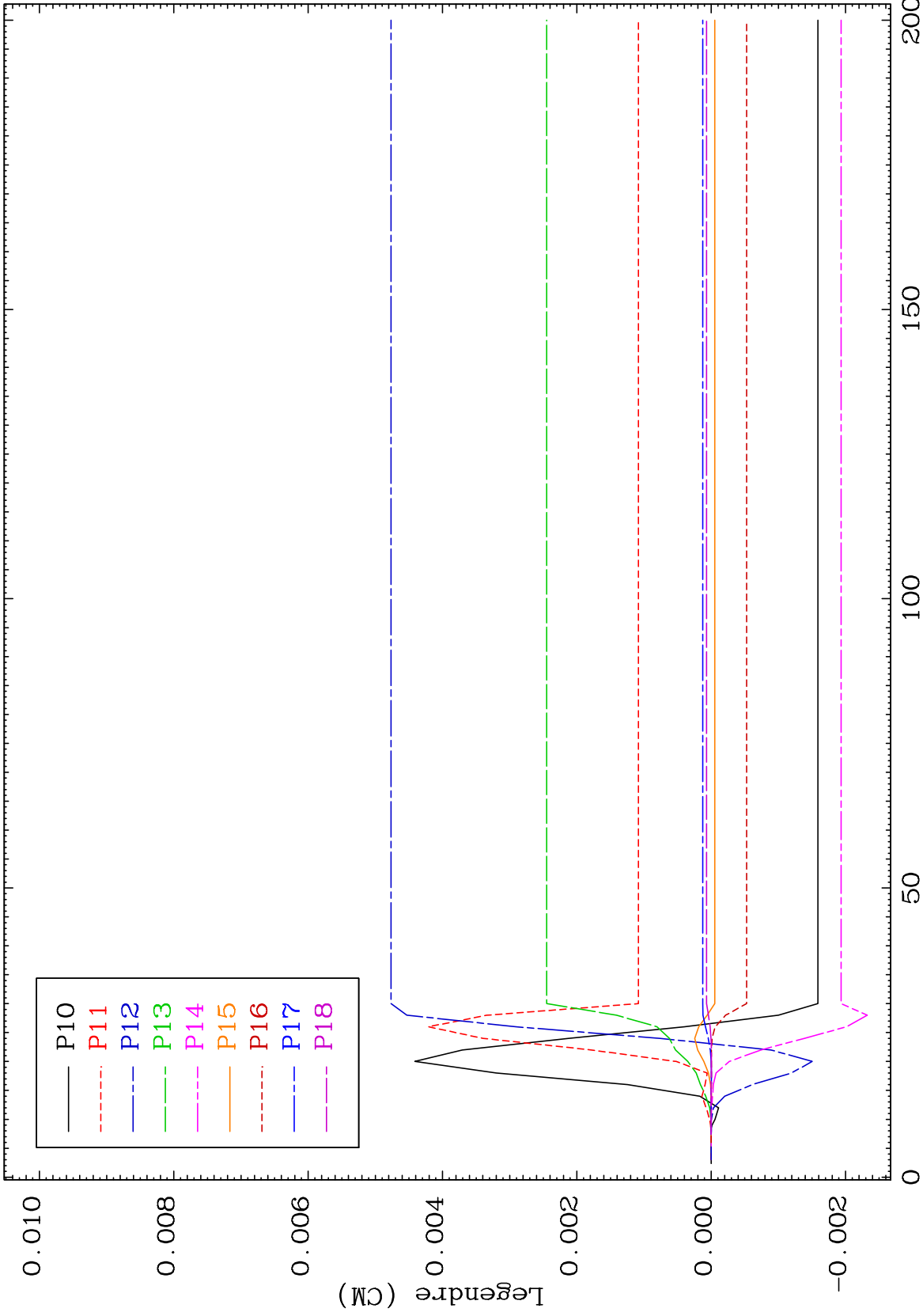
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



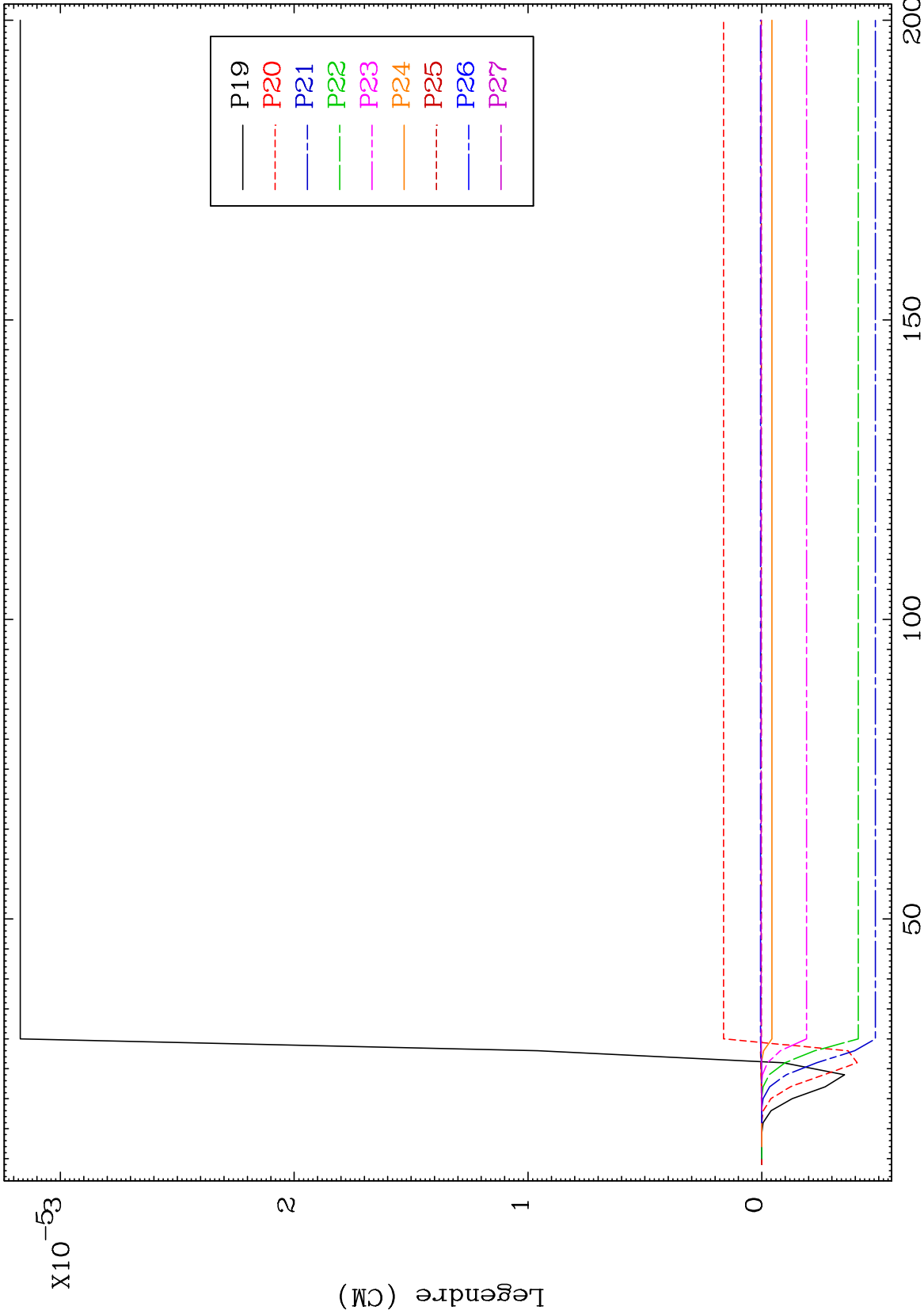
118

58-Ce-132

MAT 5813

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

58-Ce-132



119

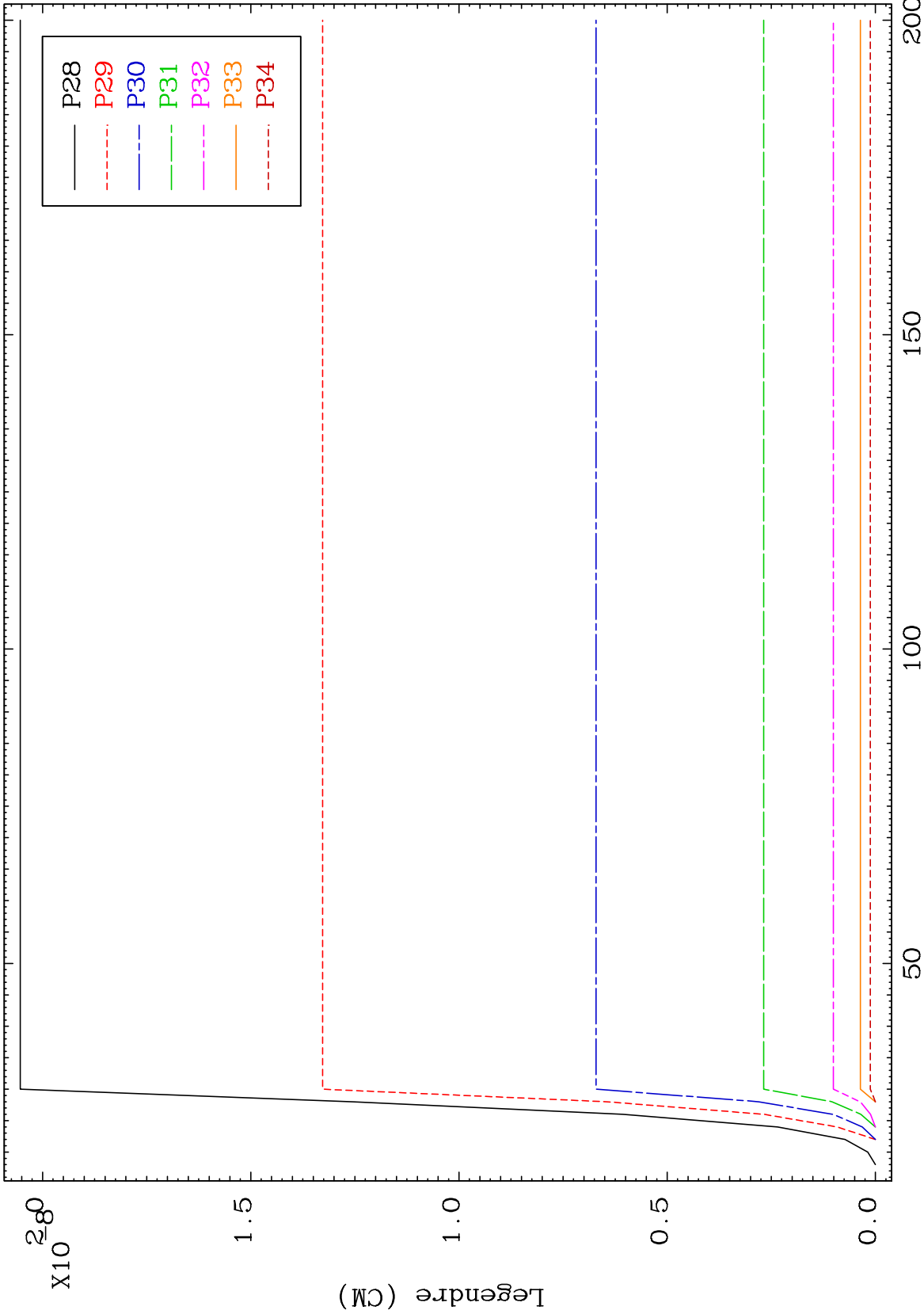
58-Ce-132



MAT 5813

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

58-Ce-132



120

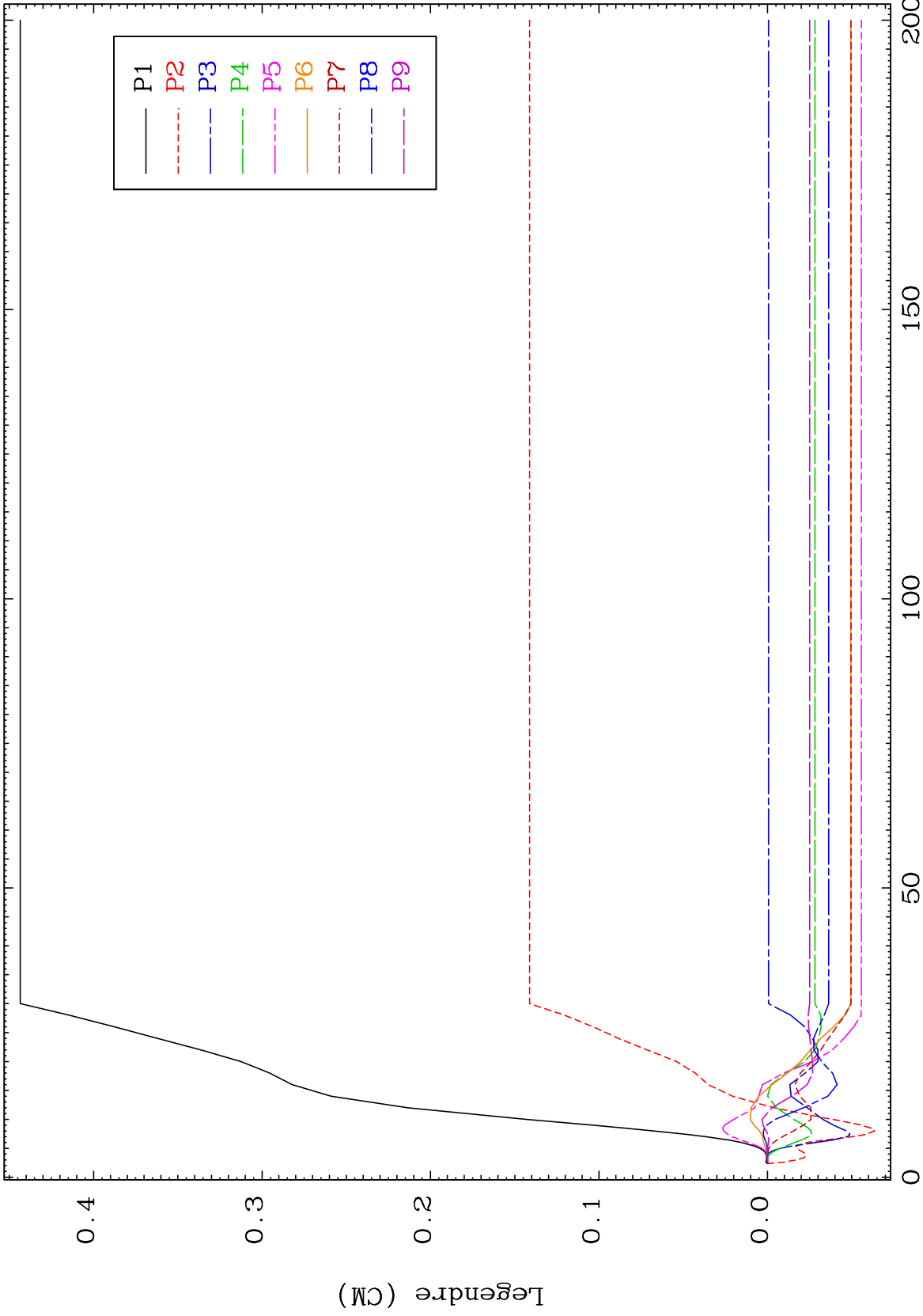
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



121

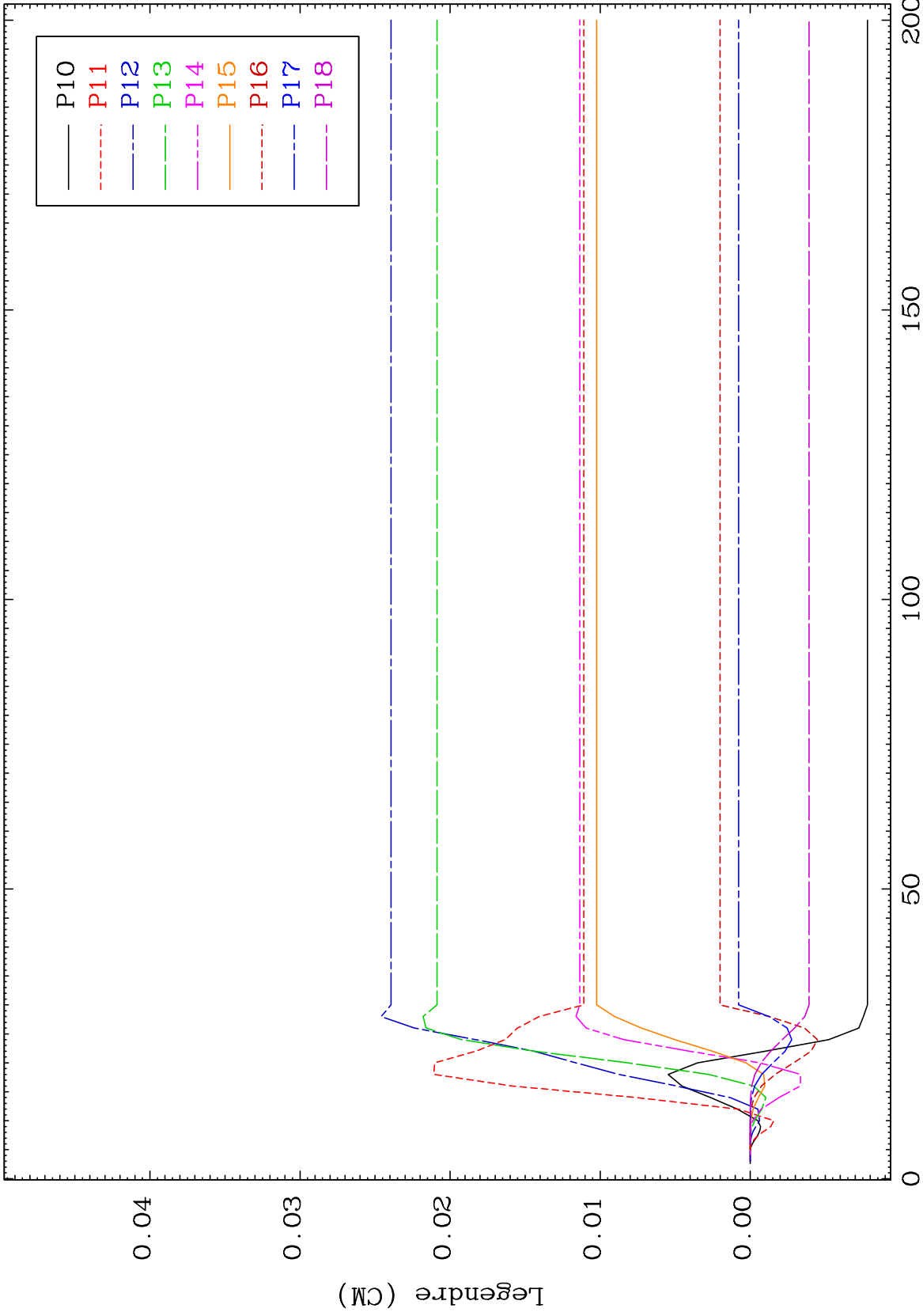
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



122

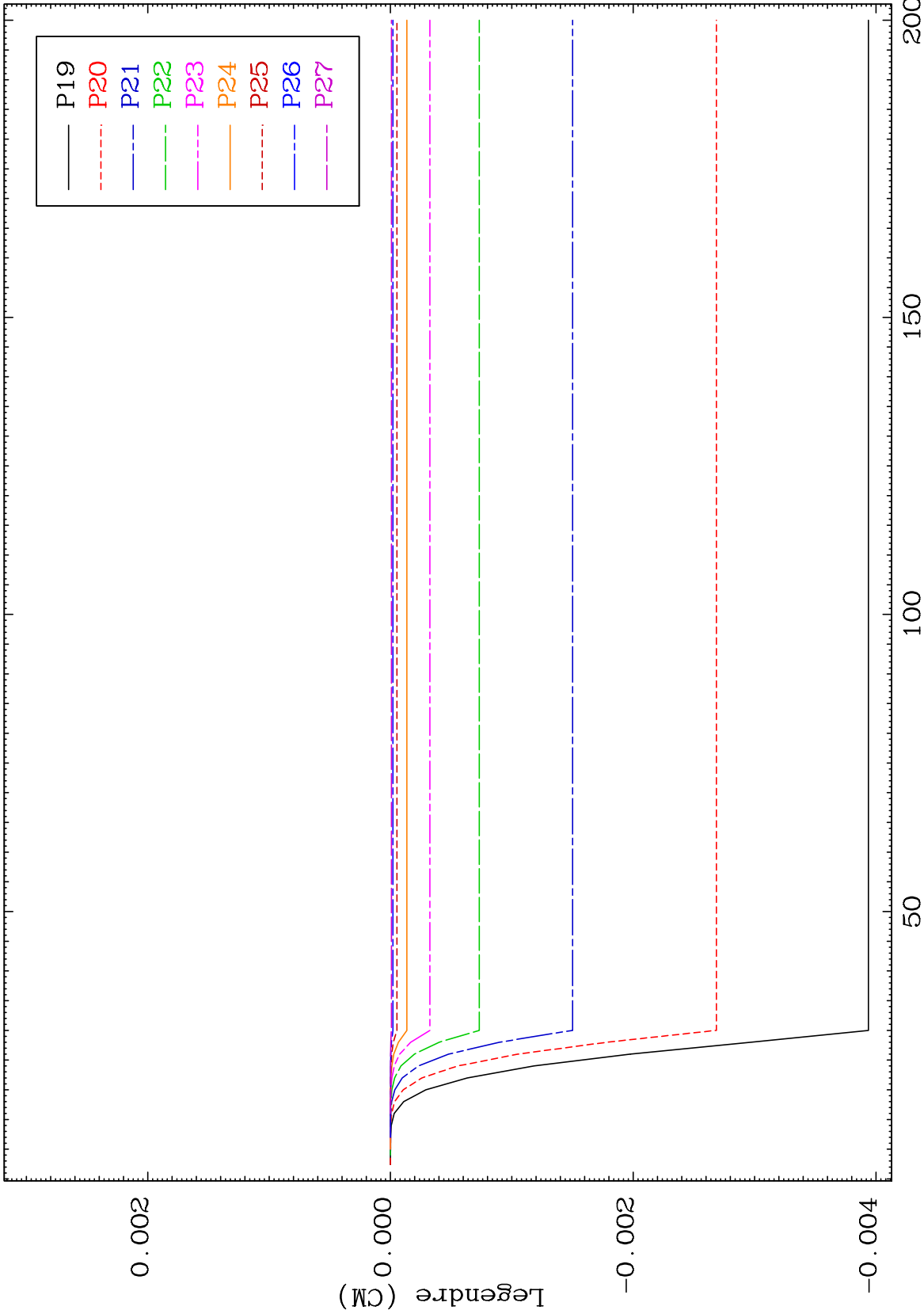
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



123

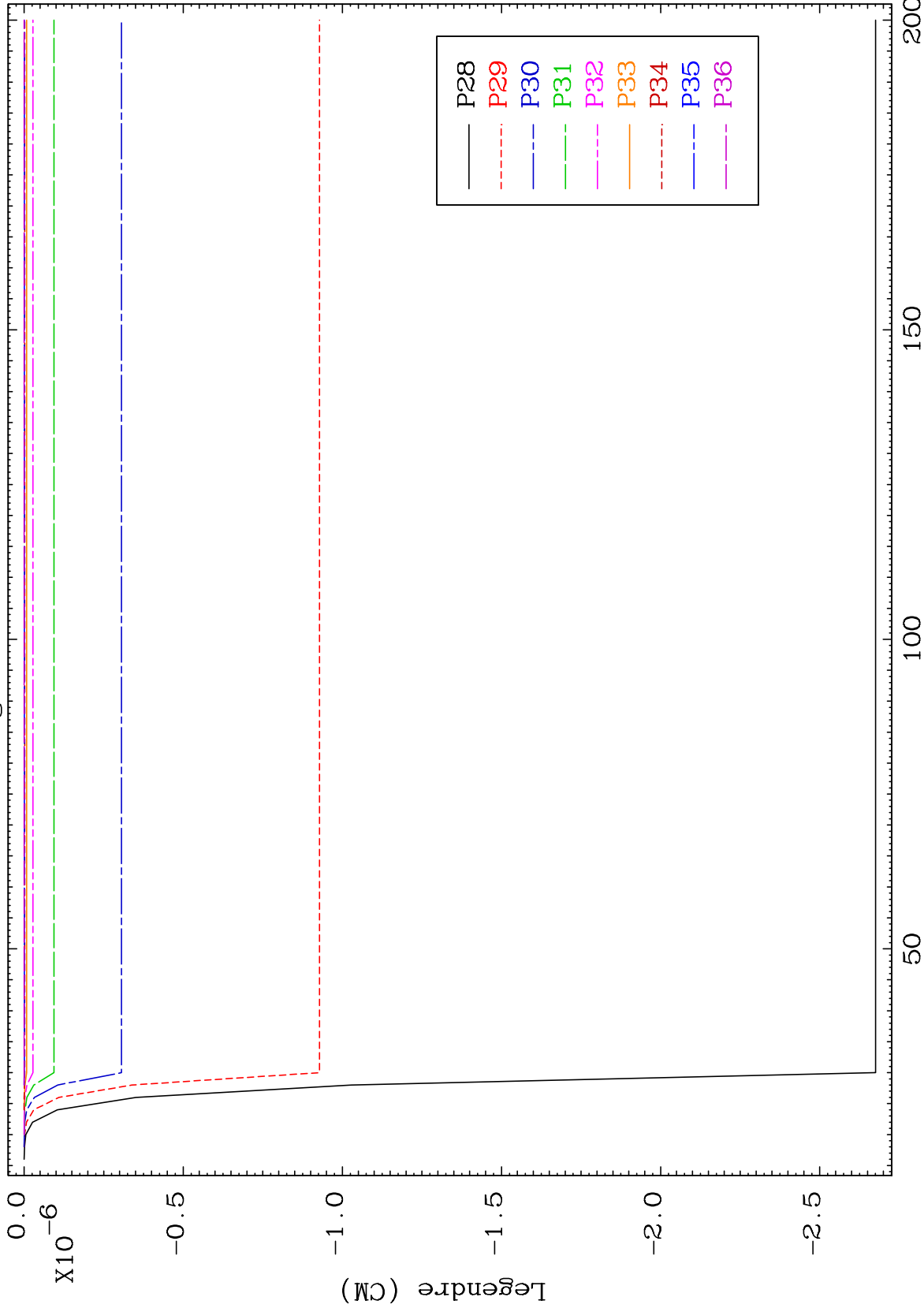
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



124

Incident Energy (MeV)

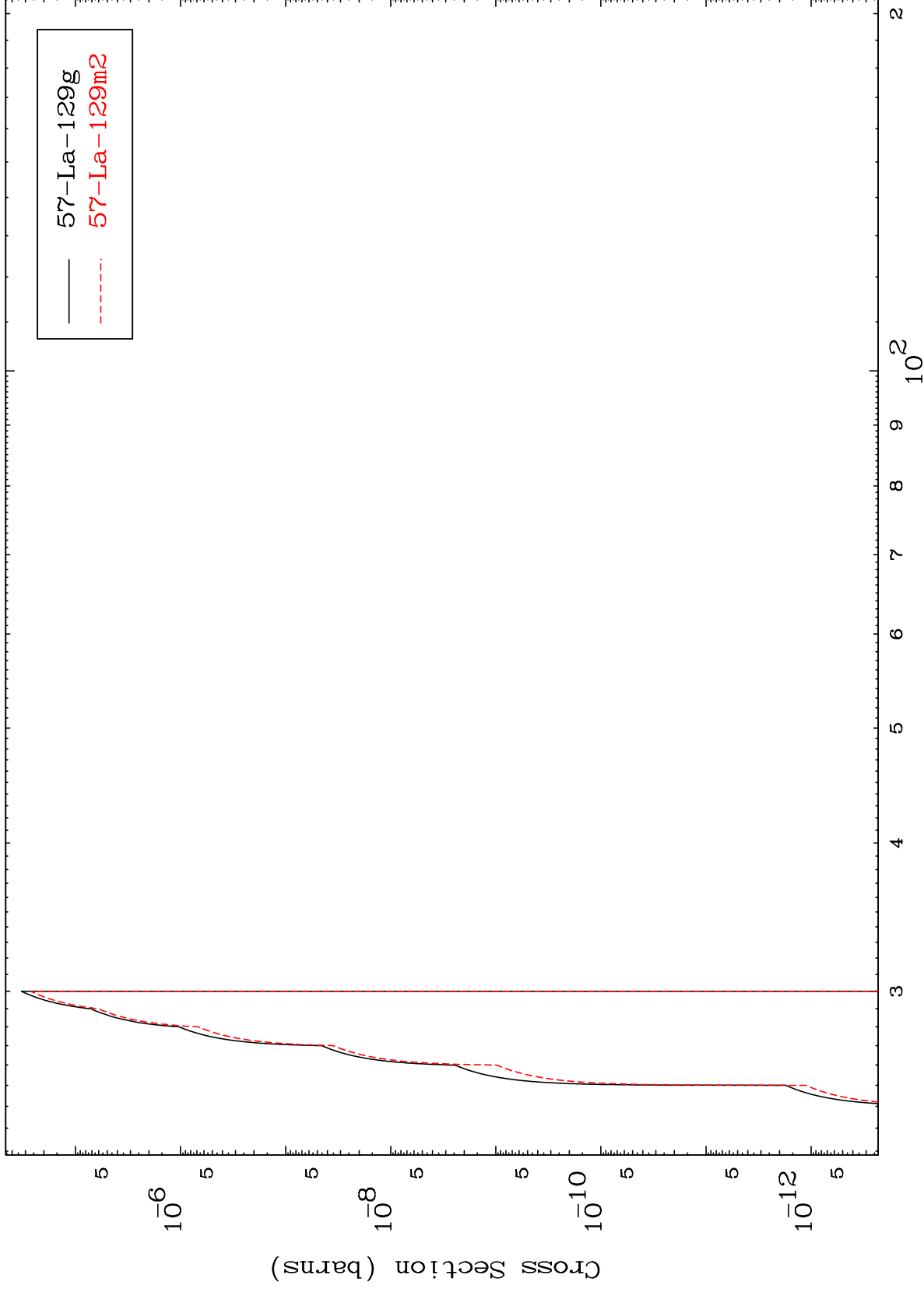
58-Ce-132

MAT 5813

(n,2n) d

58-Ce-132

Radionuclide Production Cross Section



125

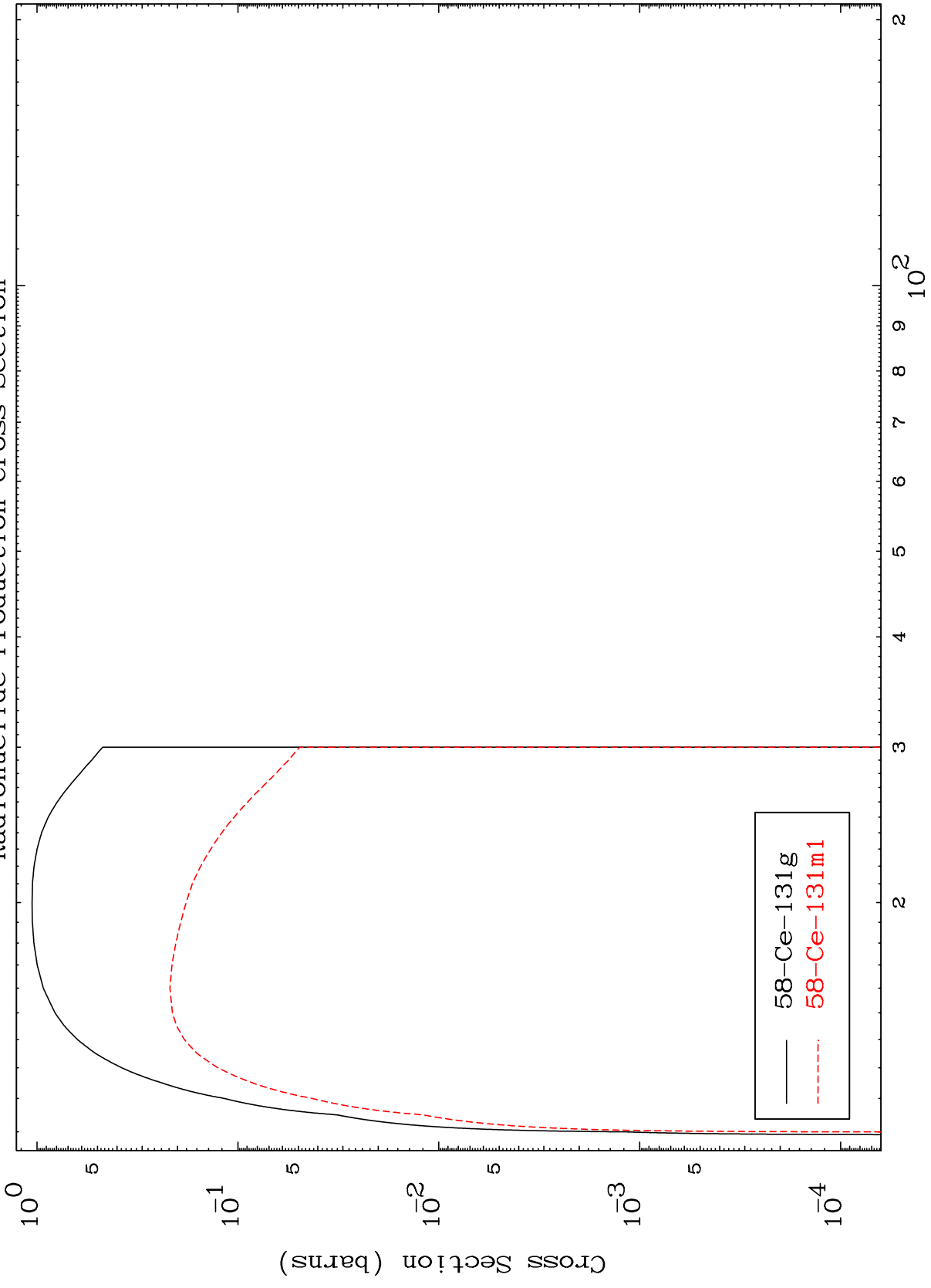
Incident Energy (MeV)

58-Ce-132

MAT 5813

58-Ce-132

Radionuclide Production Cross Section  
(n,2n)



126

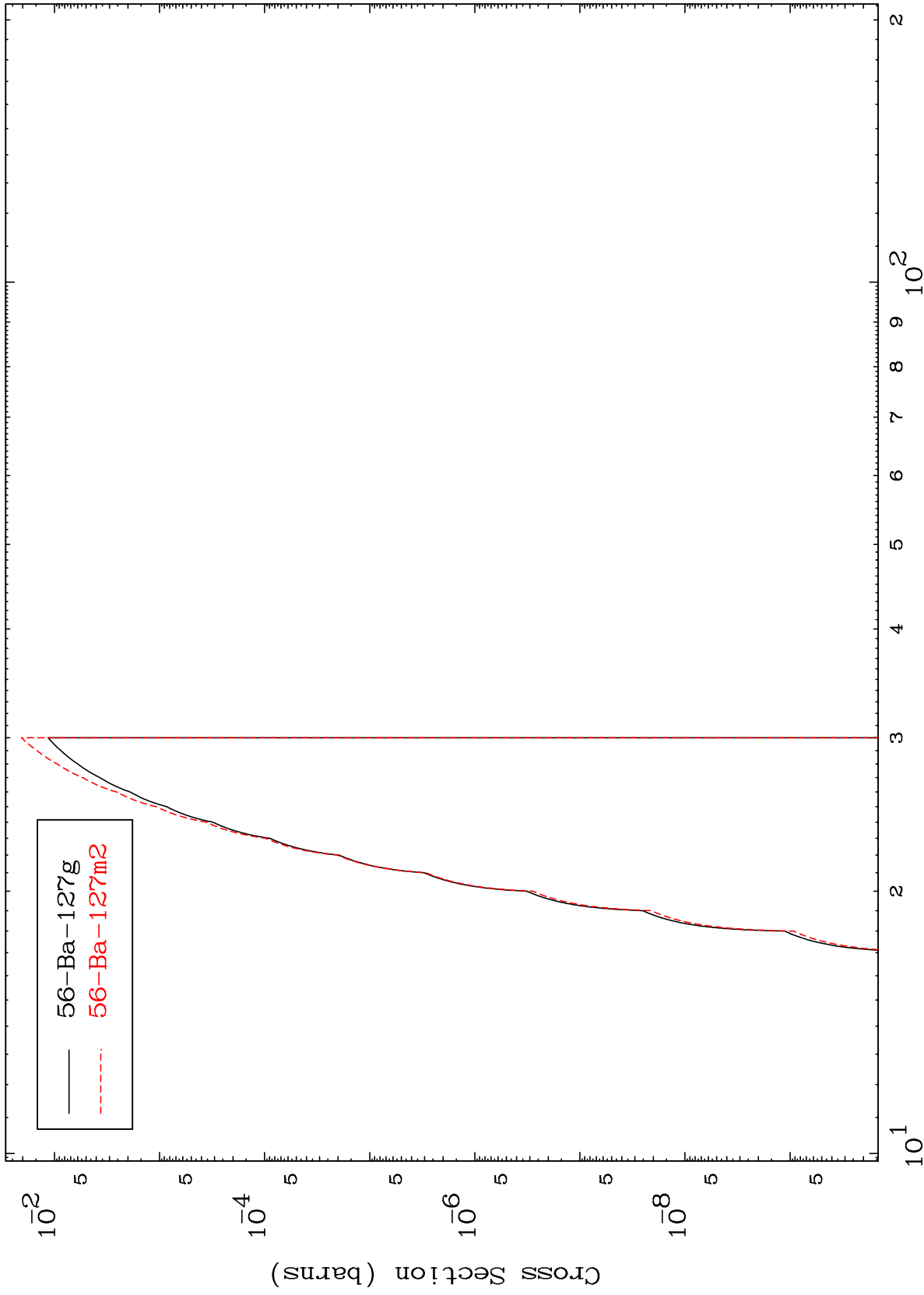
58-Ce-132

MAT 5813

(n,2n)  $\alpha$

58-Ce-132

Radionuclide Production Cross Section



127

58-Ce-132

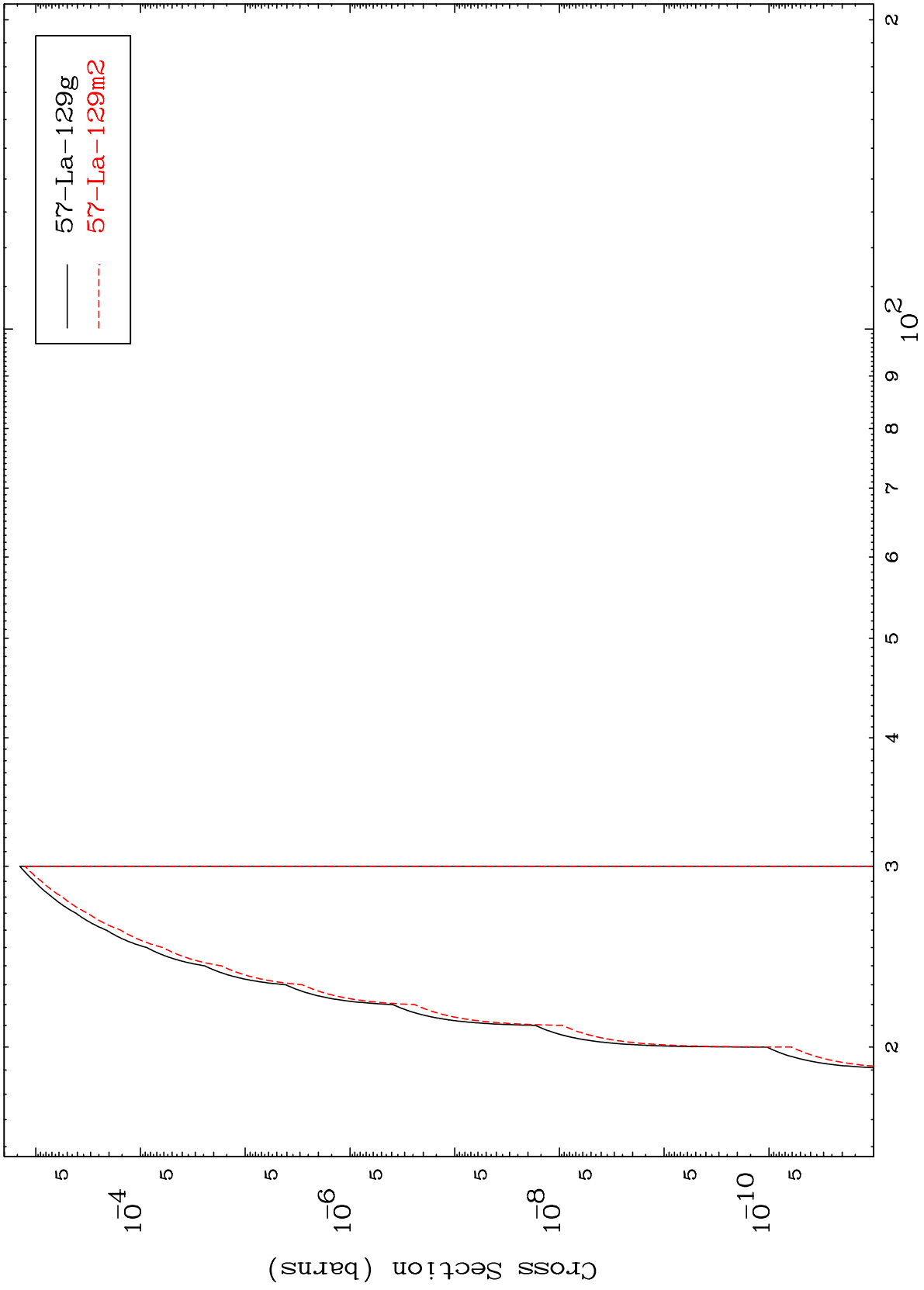


MAT 5813

(n,n') t

58-Ce-132

Radionuclide Production Cross Section



128

Incident Energy (MeV)

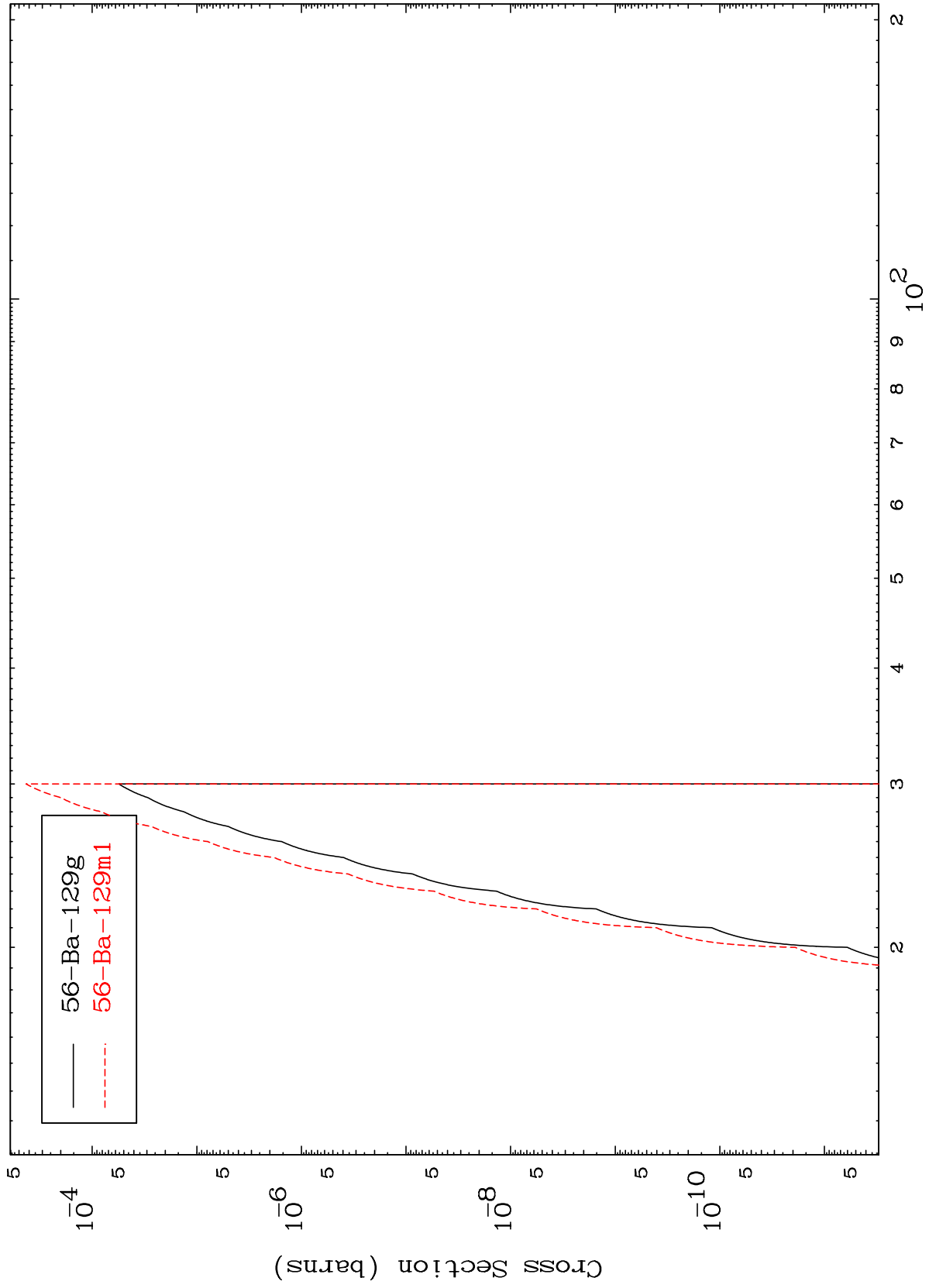
58-Ce-132

MAT 5813

(n, n') He-3

58-Ce-132

Radionuclide Production Cross Section



56-Ba-129g  
56-Ba-129m1

129

Incident Energy (MeV)

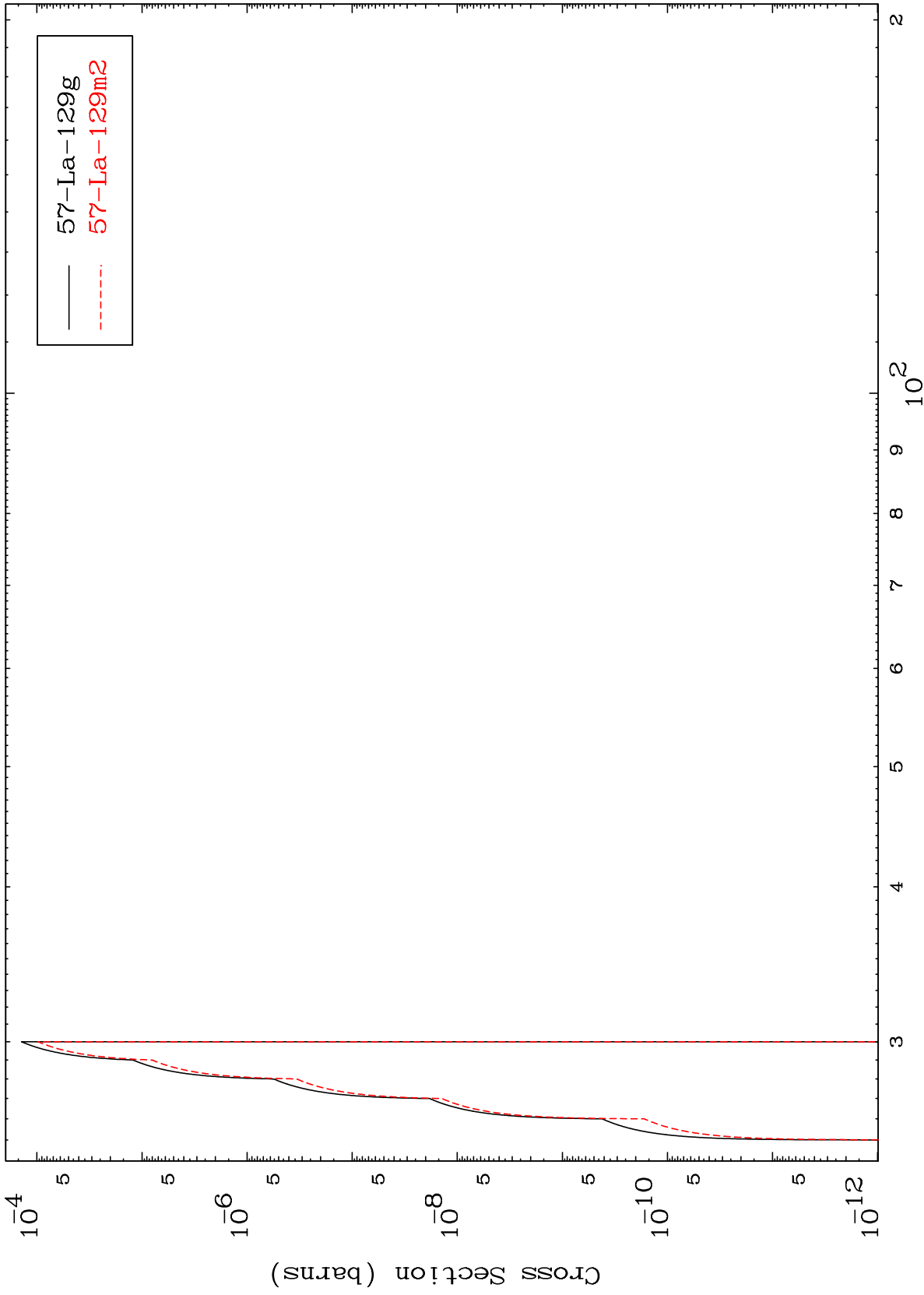
58-Ce-132

MAT 5813

(n,3n) p

58-Ce-132

Radionuclide Production Cross Section



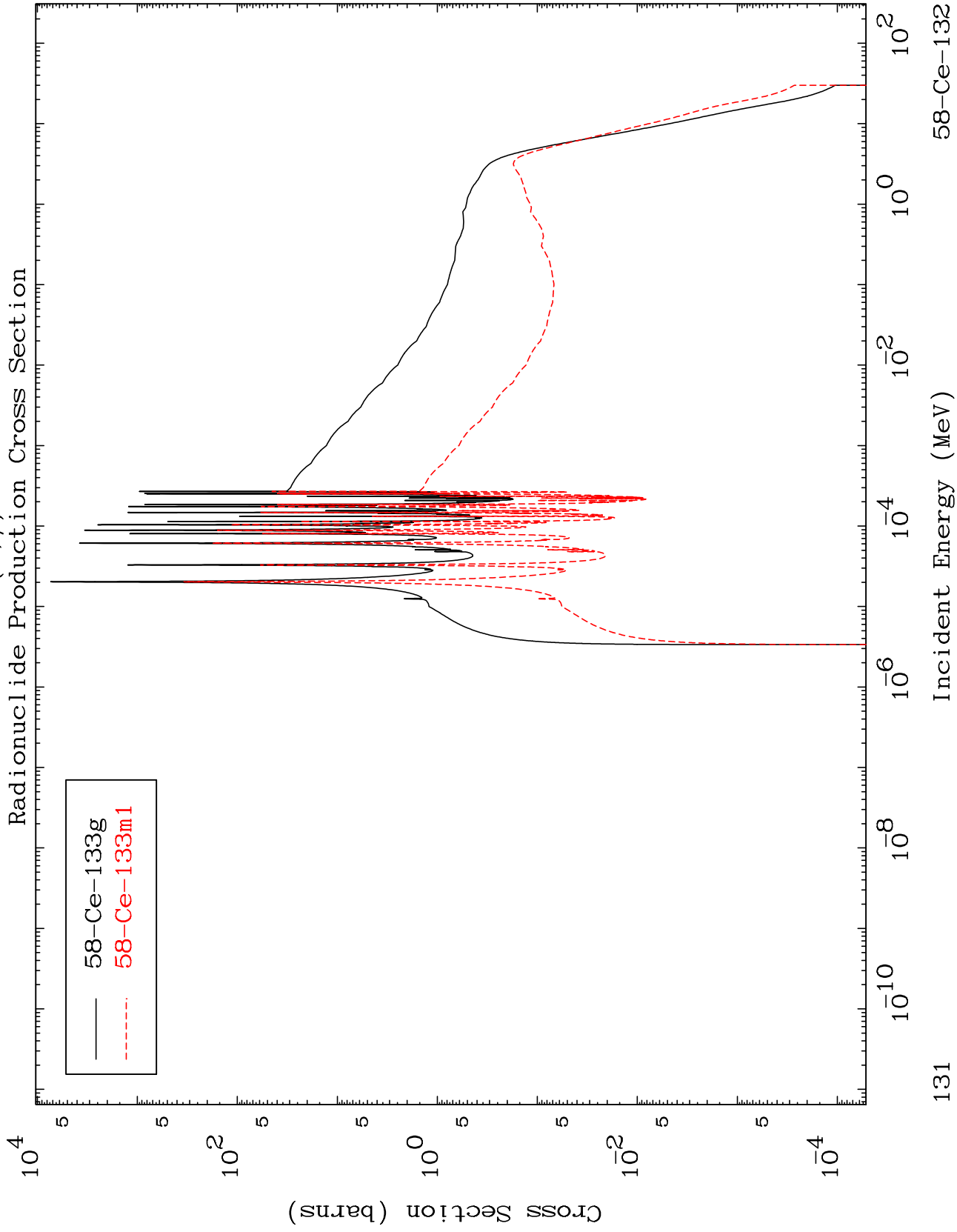
130

Incident Energy (MeV)

58-Ce-132

MAT 5813

58-Ce-132



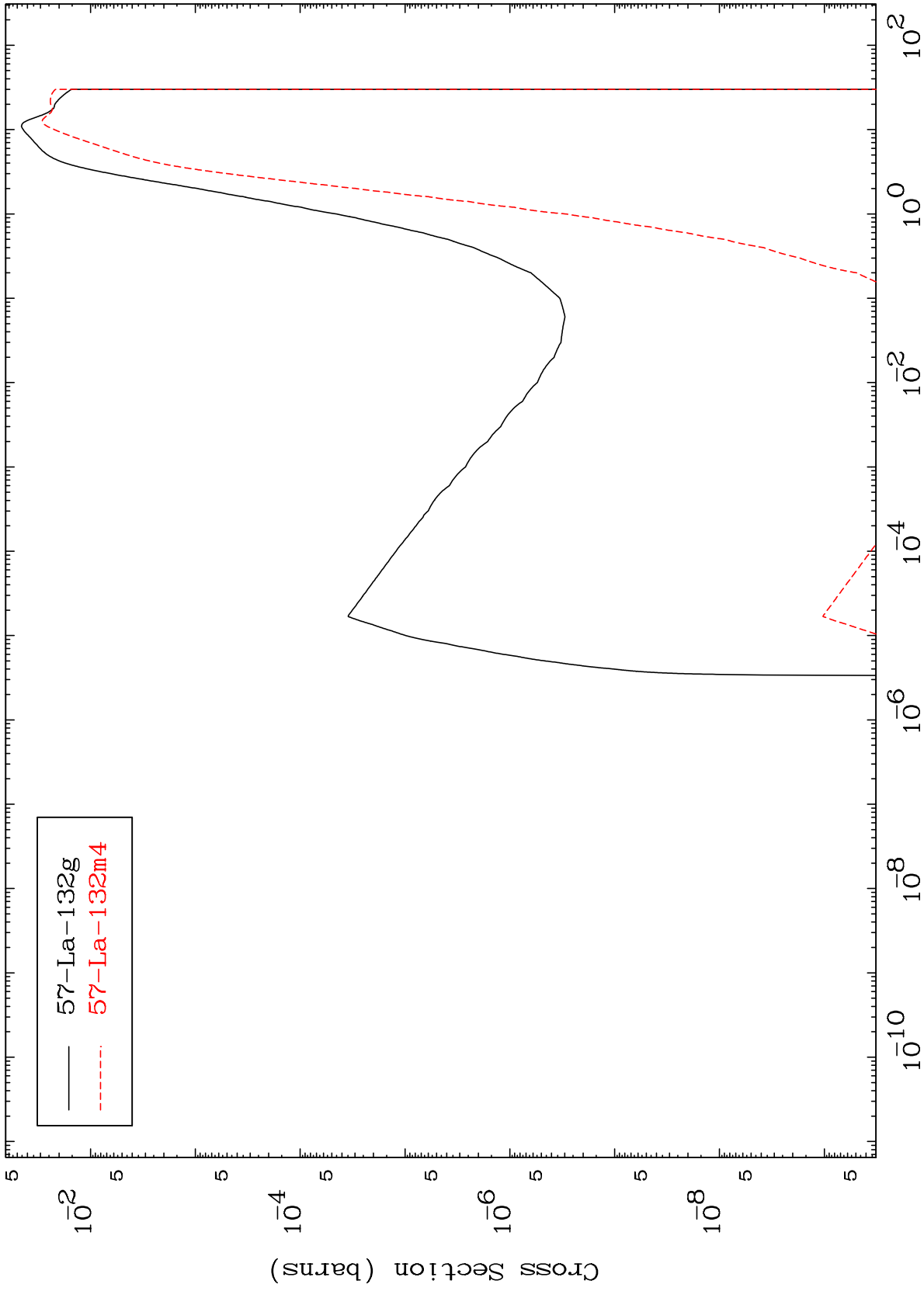
131

MAT 5813

(n,p)

58-Ce-132

Radionuclide Production Cross Section



132

Incident Energy (MeV)

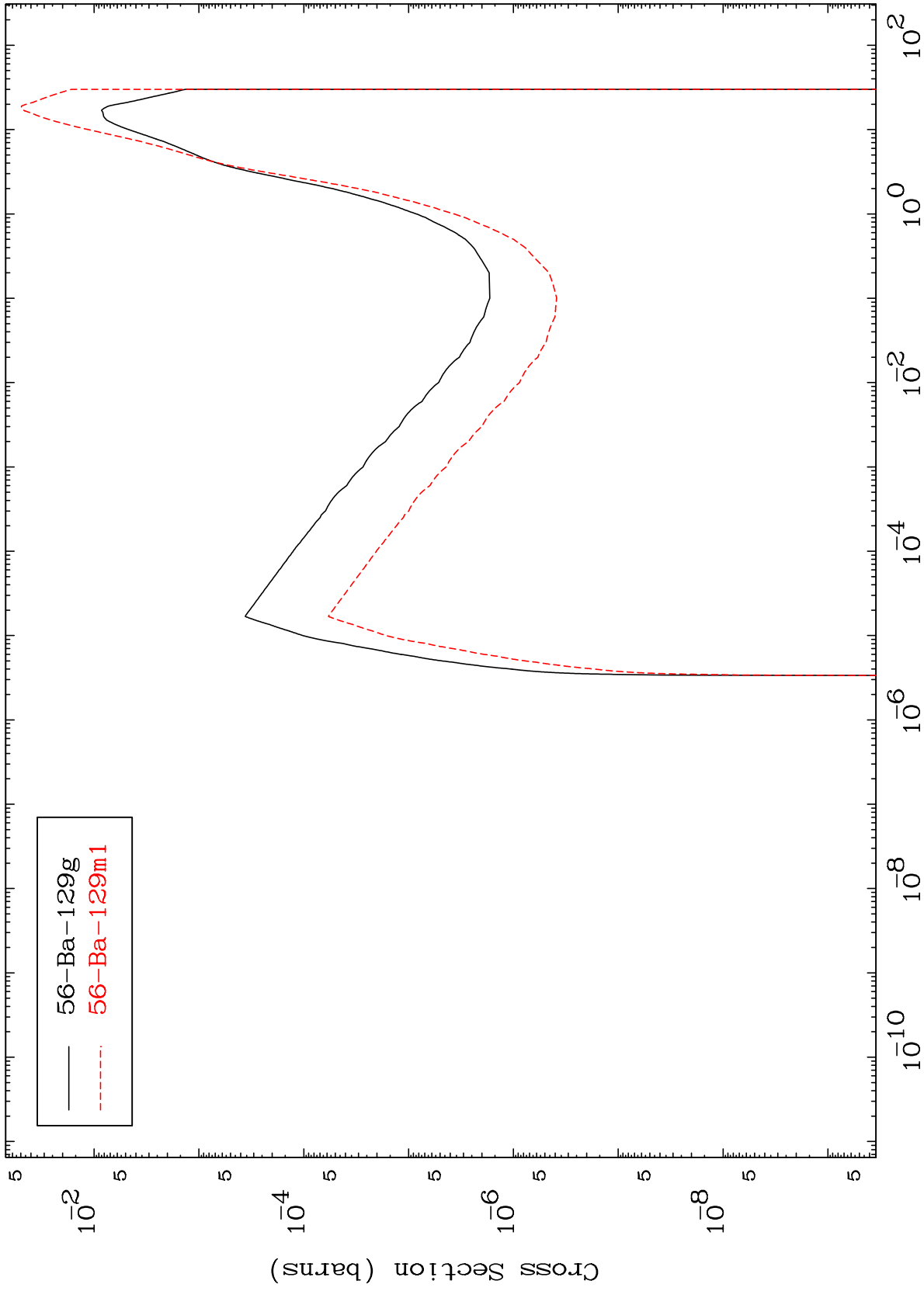
58-Ce-132

MAT 5813

(n,  $\alpha$ )

58-Ce-132

Radionuclide Production Cross Section

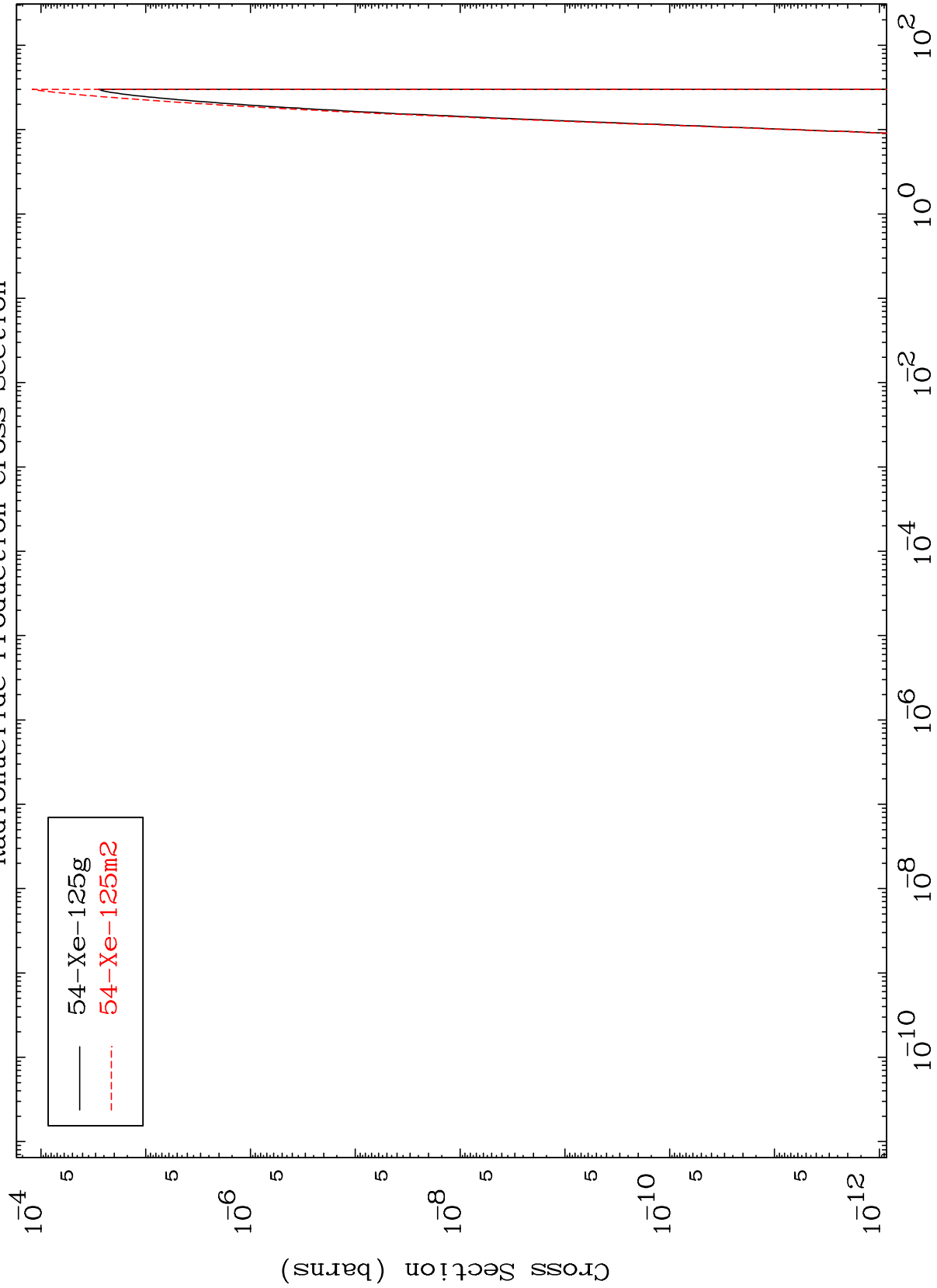


MAT 5813

(n,2α)

58-Ce-132

Radionuclide Production Cross Section



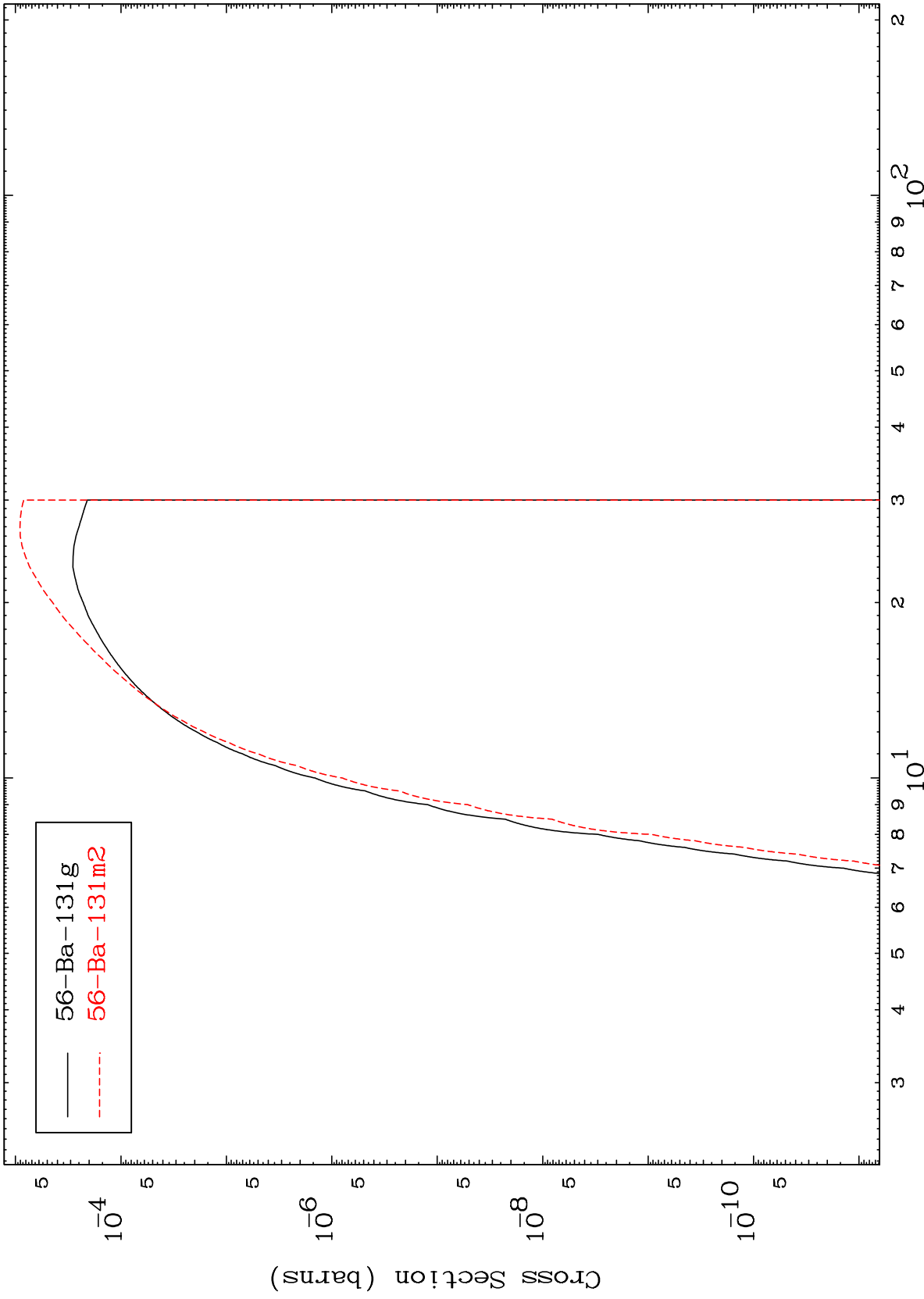
134

58-Ce-132

MAT 5813

58-Ce-132

(n,2p)  
Radionuclide Production Cross Section



135

Incident Energy (MeV)

58-Ce-132

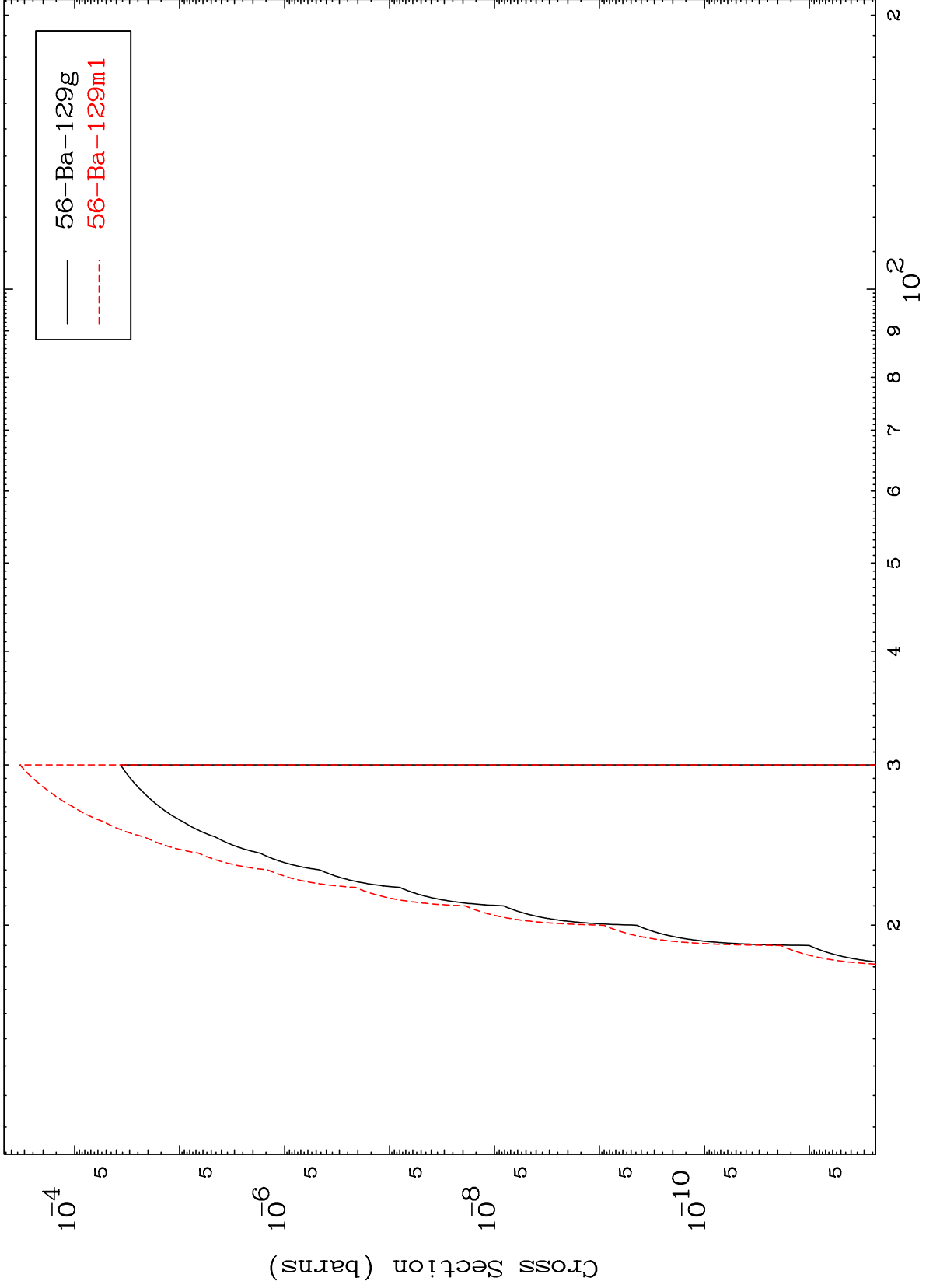


MAT 5813

(n,p) t

58-Ce-132

Radionuclide Production Cross Section



136

Incident Energy (MeV)

58-Ce-132