

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

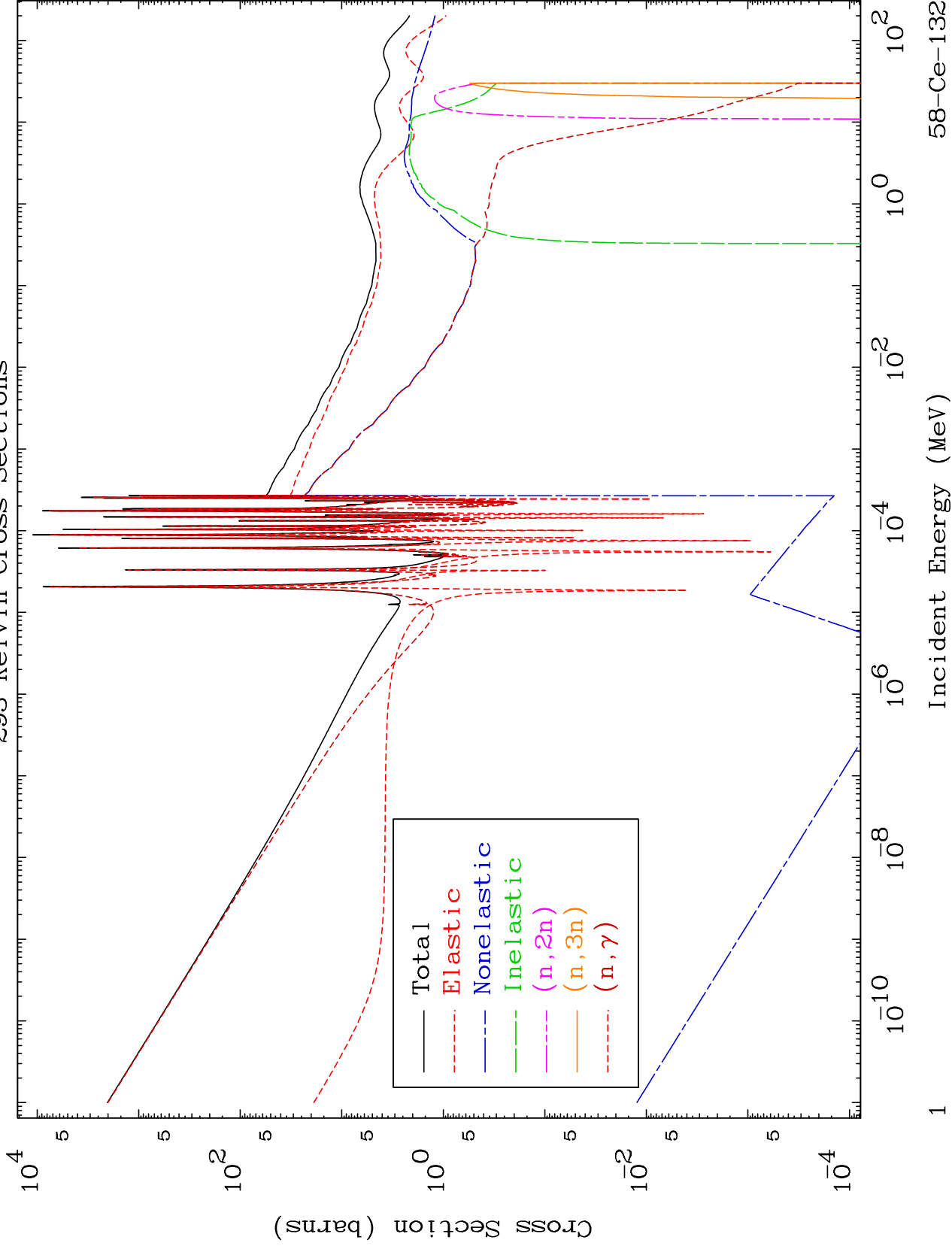
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5813

Neutron Major
293 Kelvin Cross Sections

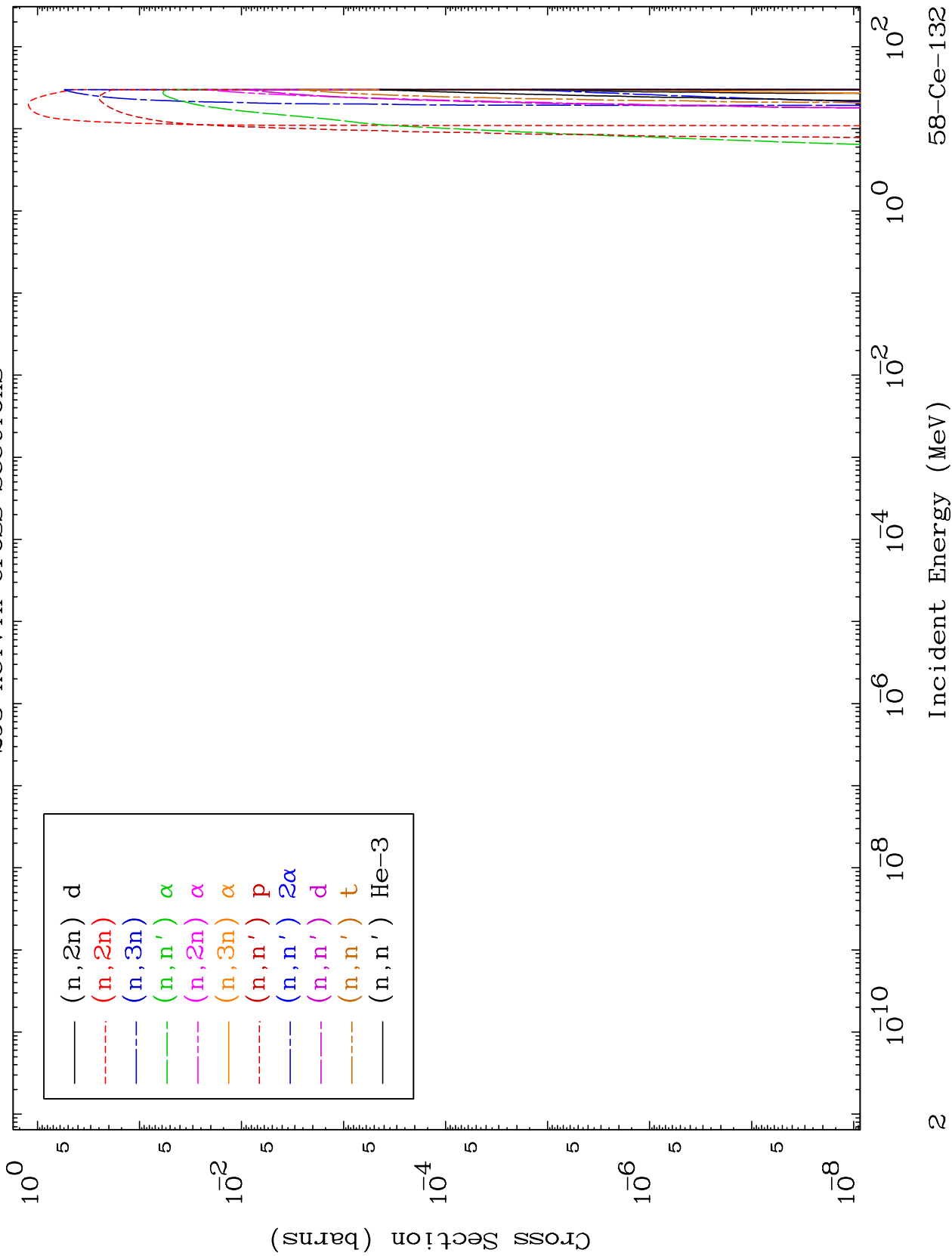
58-Ce-132



MAT 5813

Neutron Absorption
293 Kelvin Cross Sections

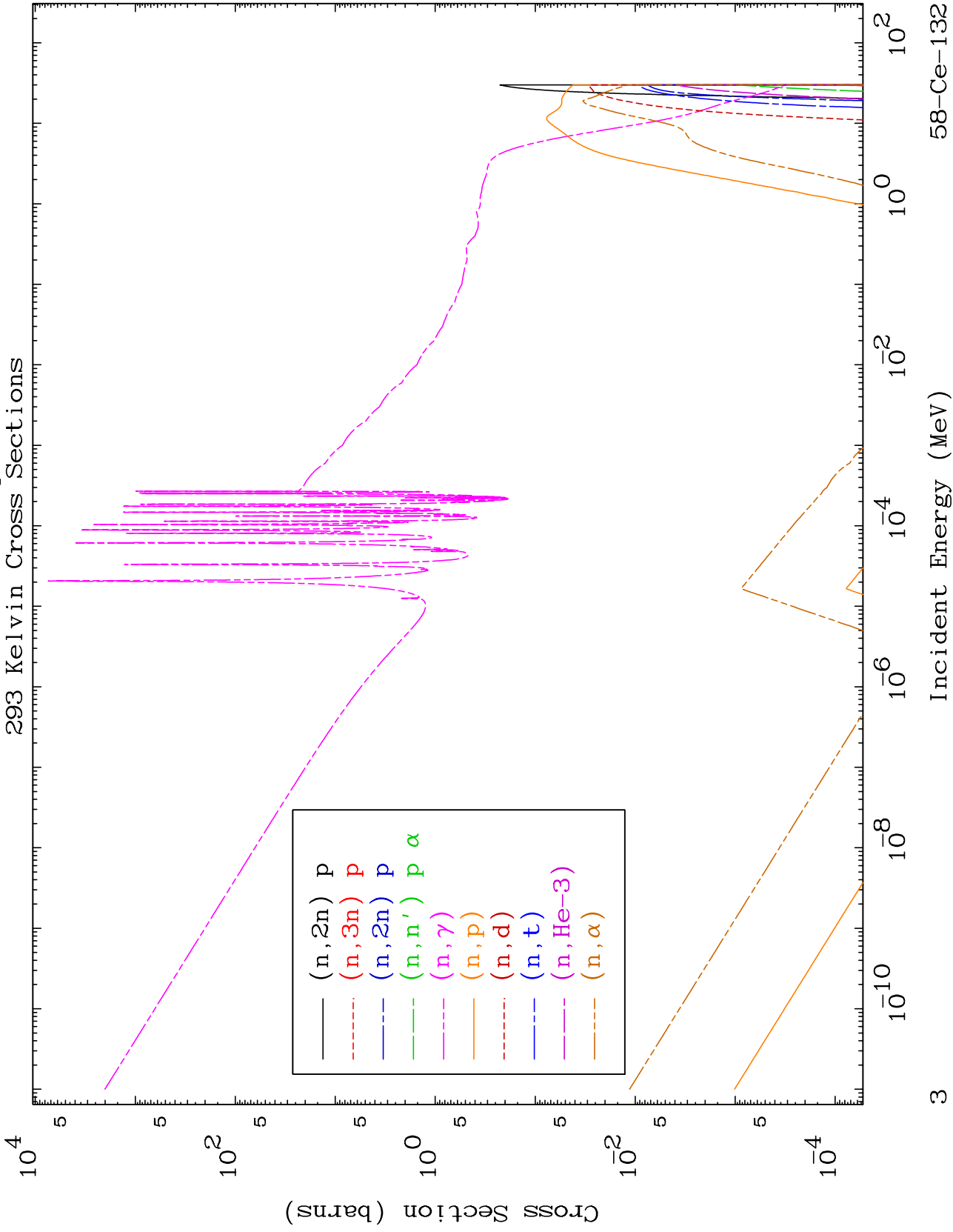
58-Ce-132



MAT 5813

Neutron Absorption
293 Kelvin Cross Sections

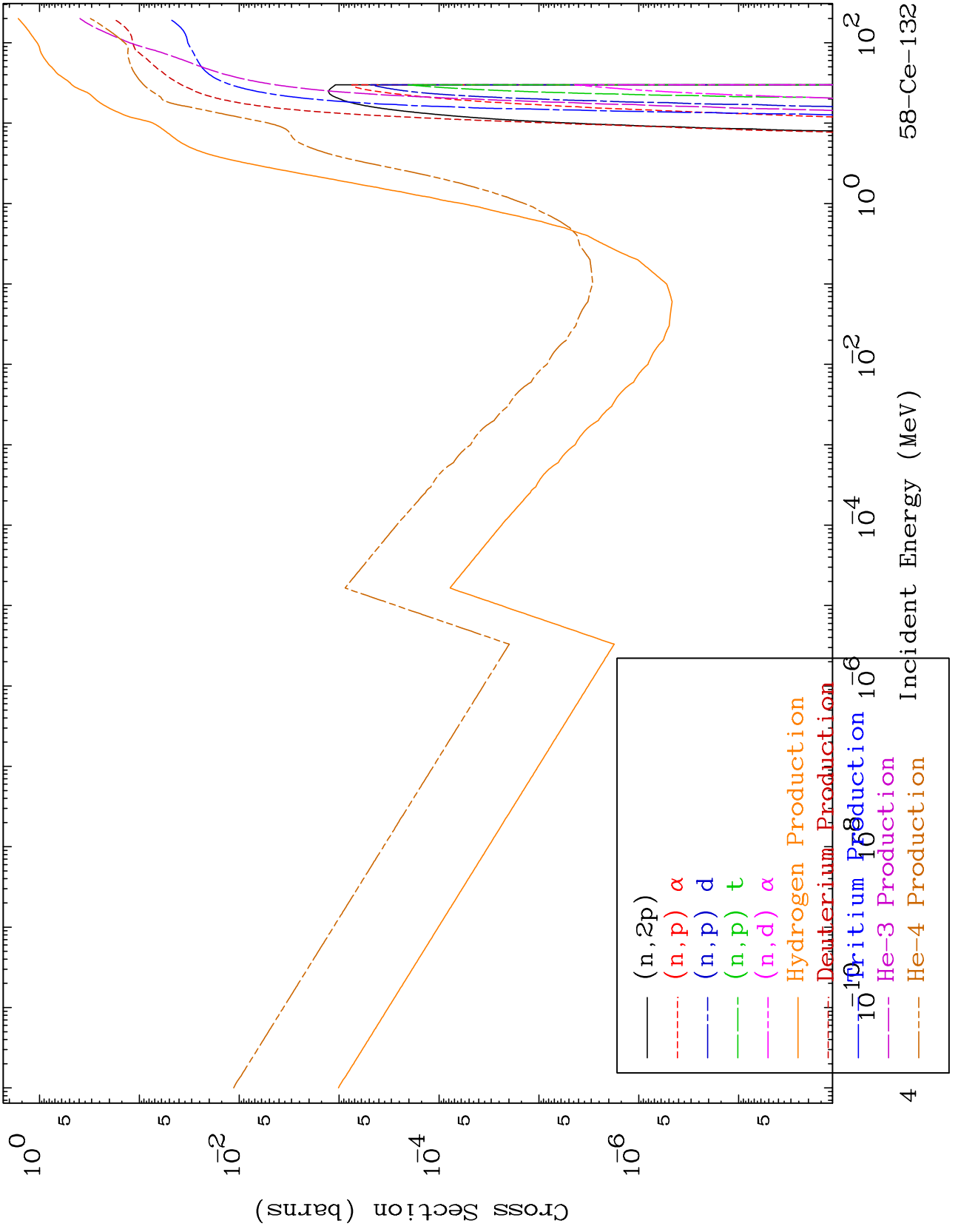
58-Ce-132



MAT 5813

Neutron Absorption
293 Kelvin Cross Sections

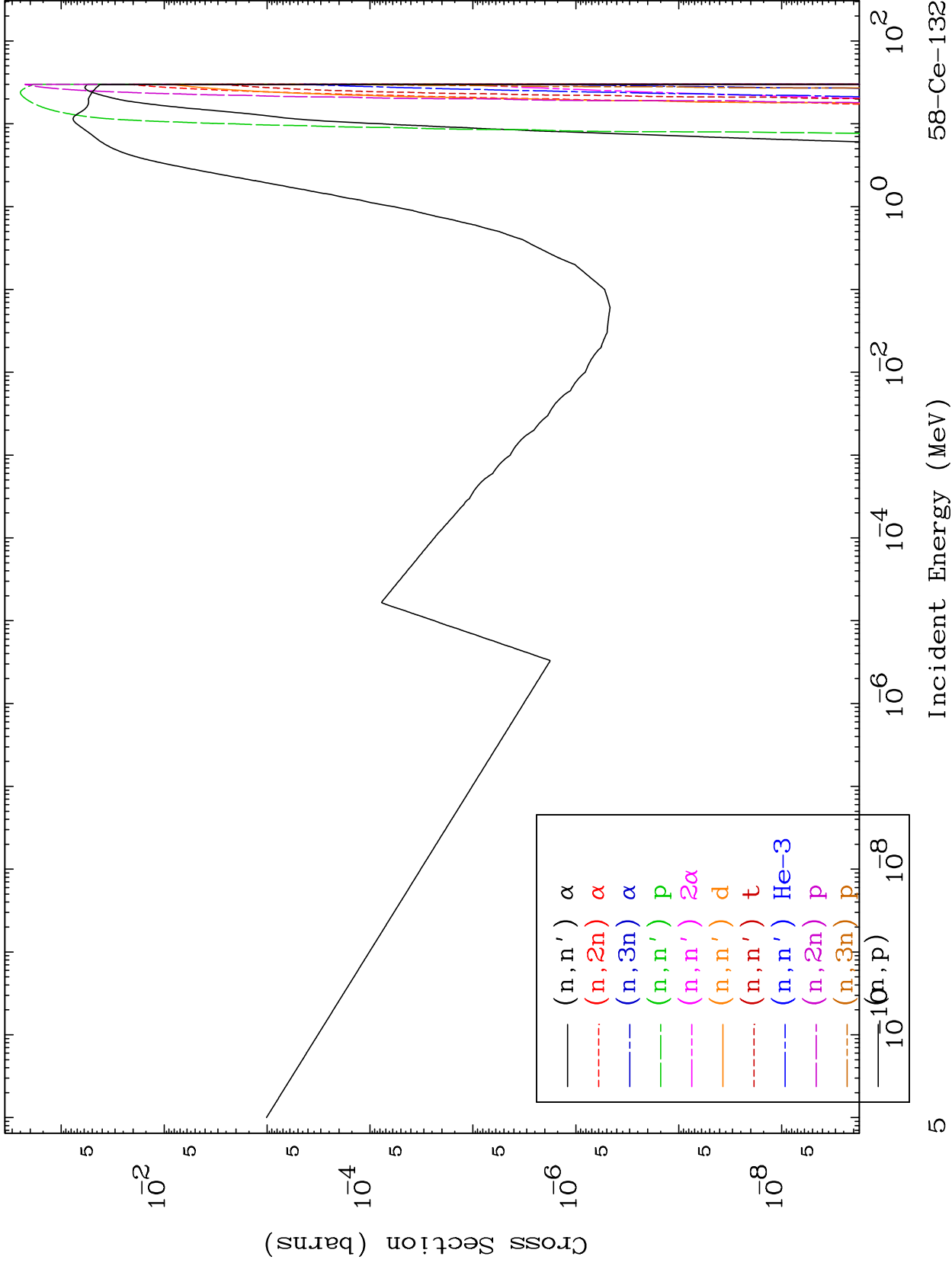
58-Ce-132



MAT 5813

Charged Particle
293 Kelvin Cross Sections

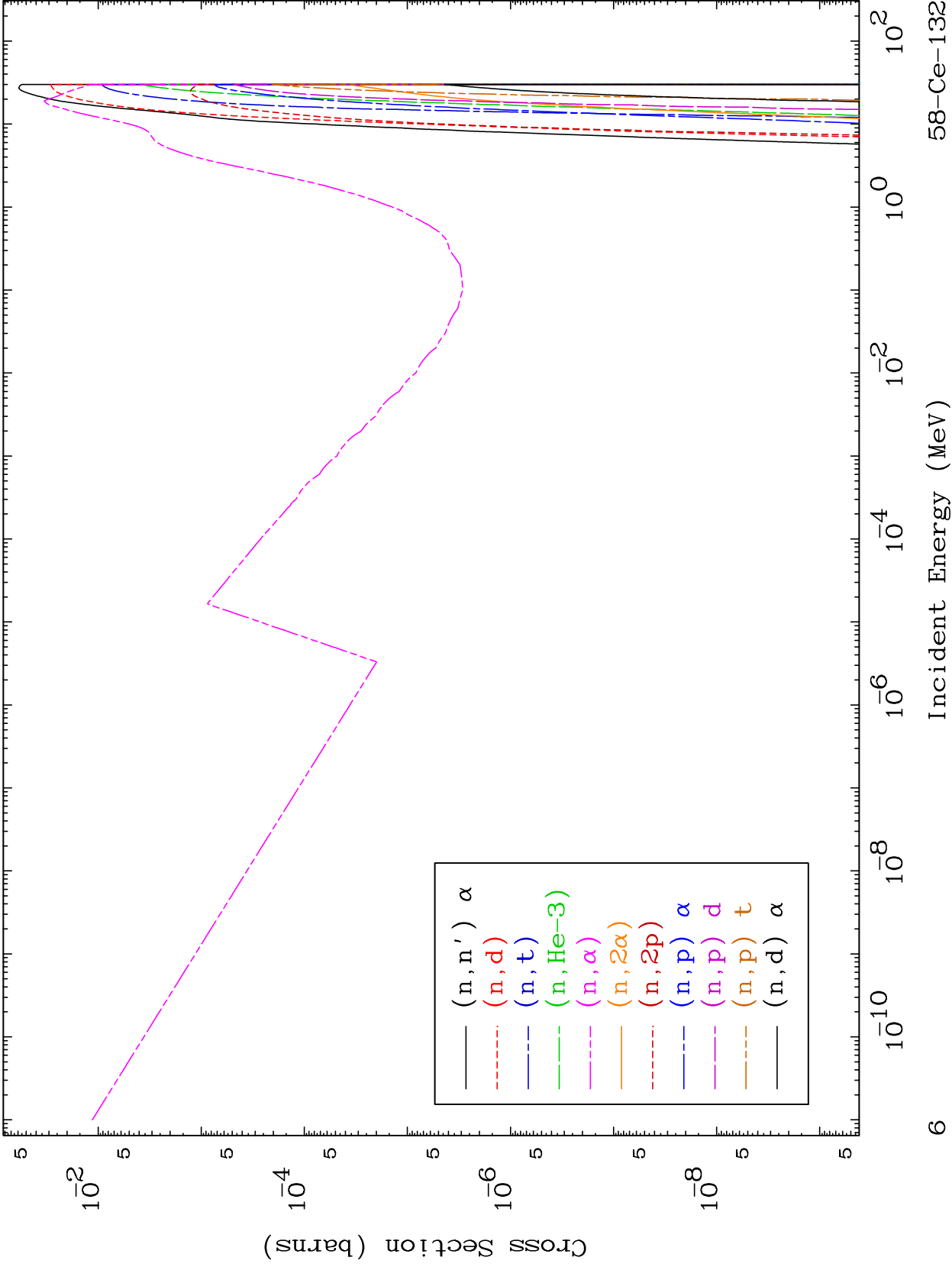
58-Ce-132



MAT 5813

Charged Particle
293 Kelvin Cross Sections

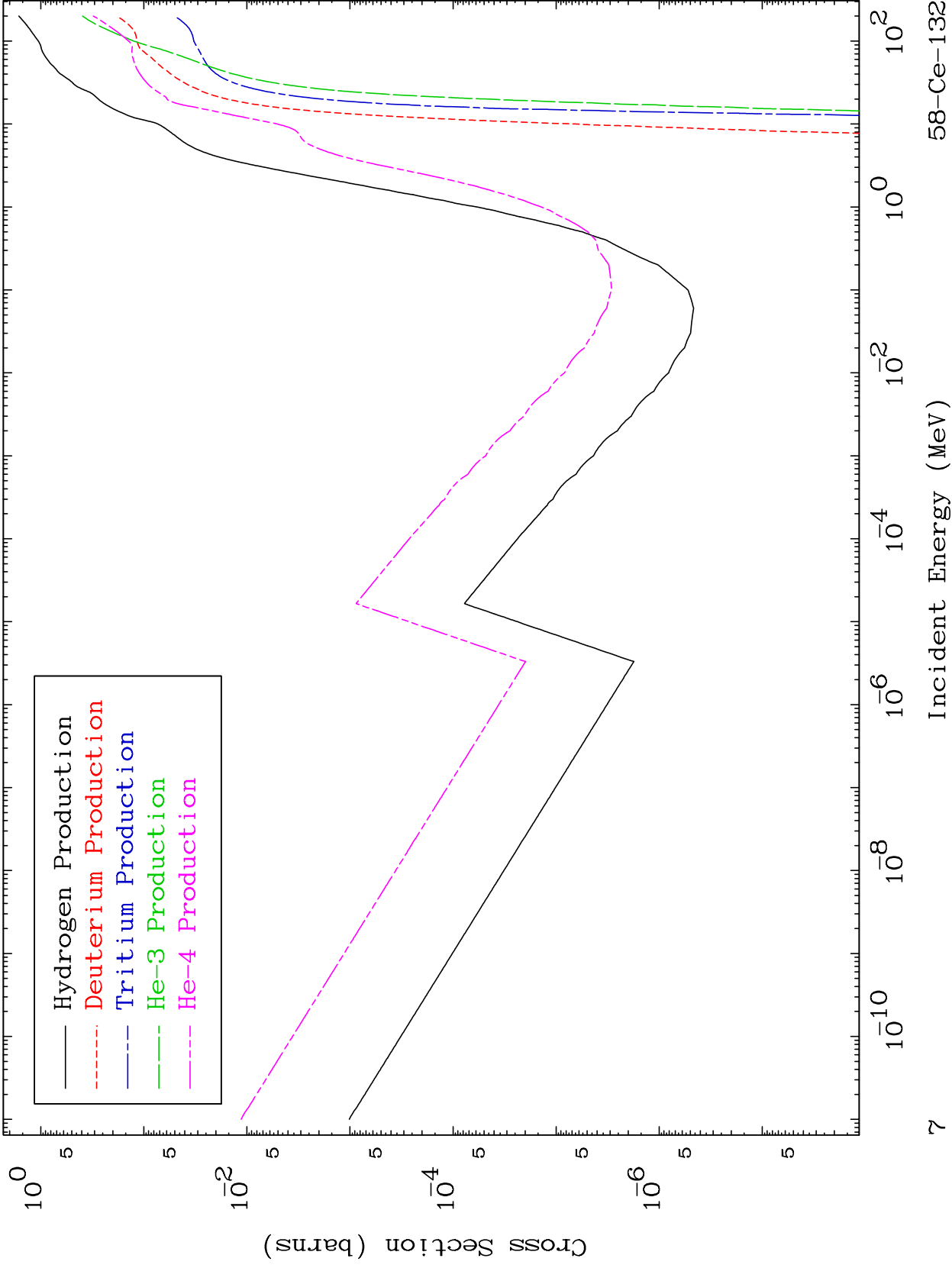
58-Ce-132



MAT 5813

Particle Production
293 Kelvin Cross Sections

58-Ce-132

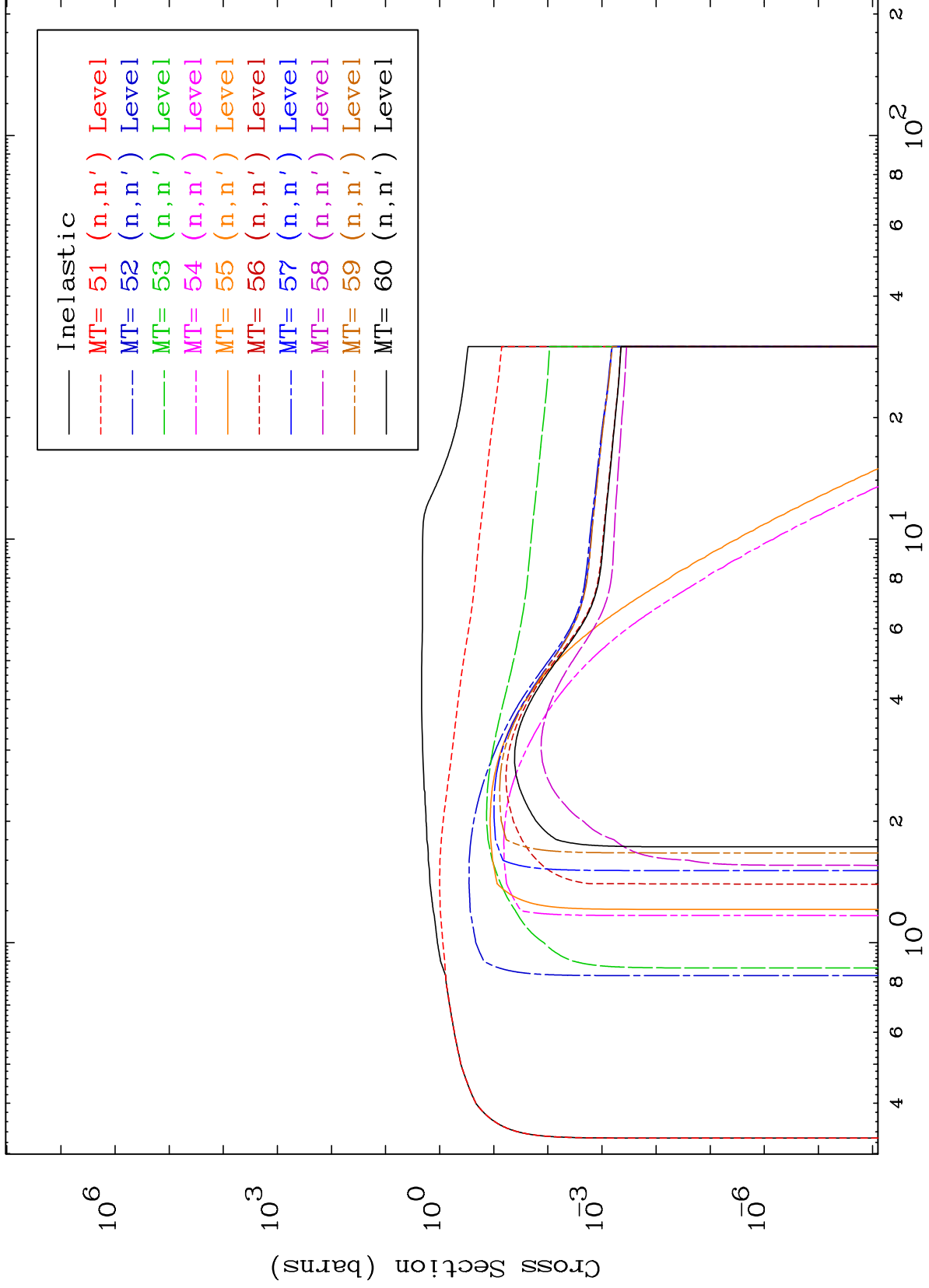


MAT 5813

(n,n') Levels

58-Ce-132

293 Kelvin Cross Sections



8

Incident Energy (MeV)

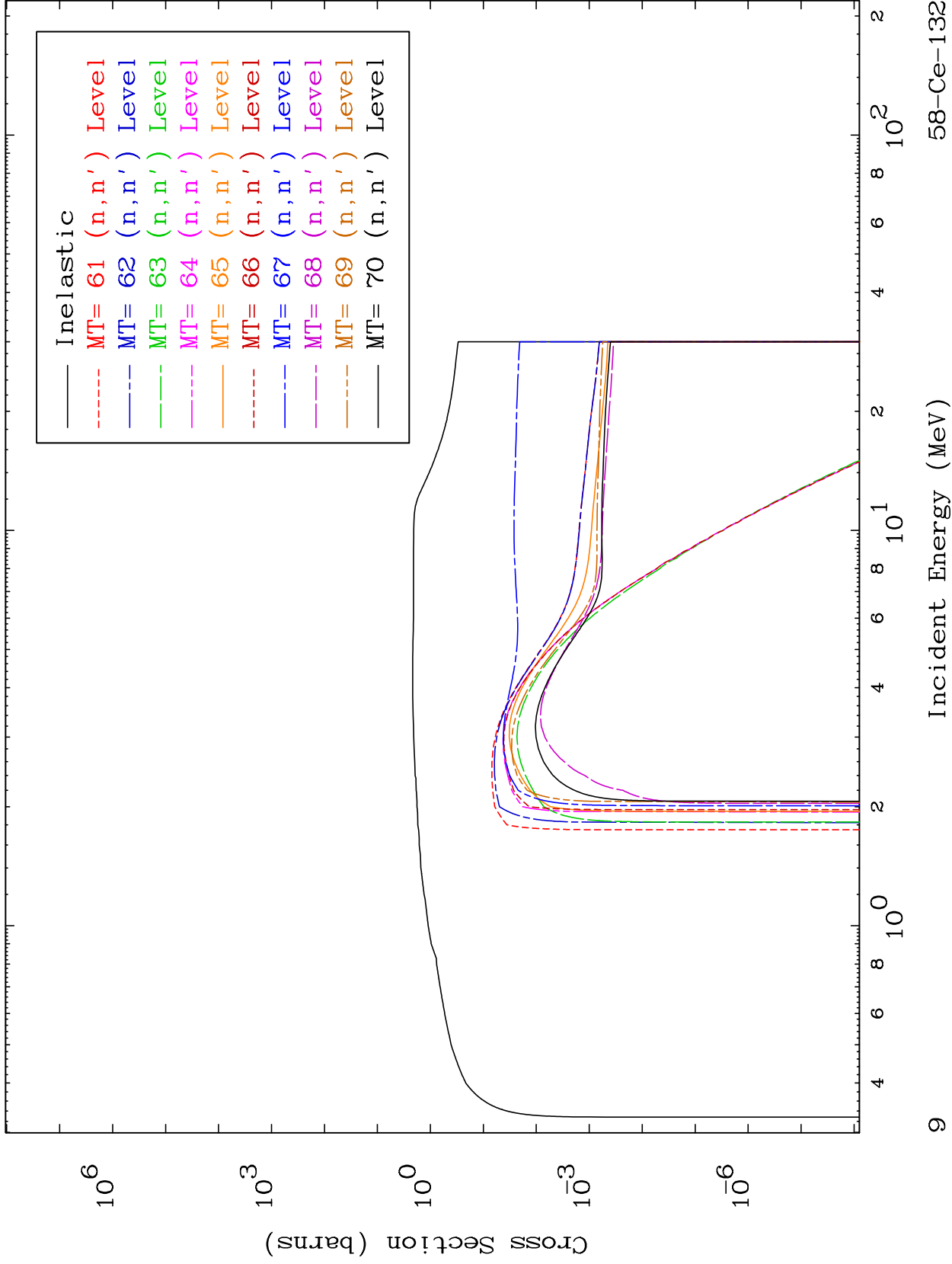
58-Ce-132

MAT 5813

(n,n') Levels

58-Ce-132

293 Kelvin Cross Sections

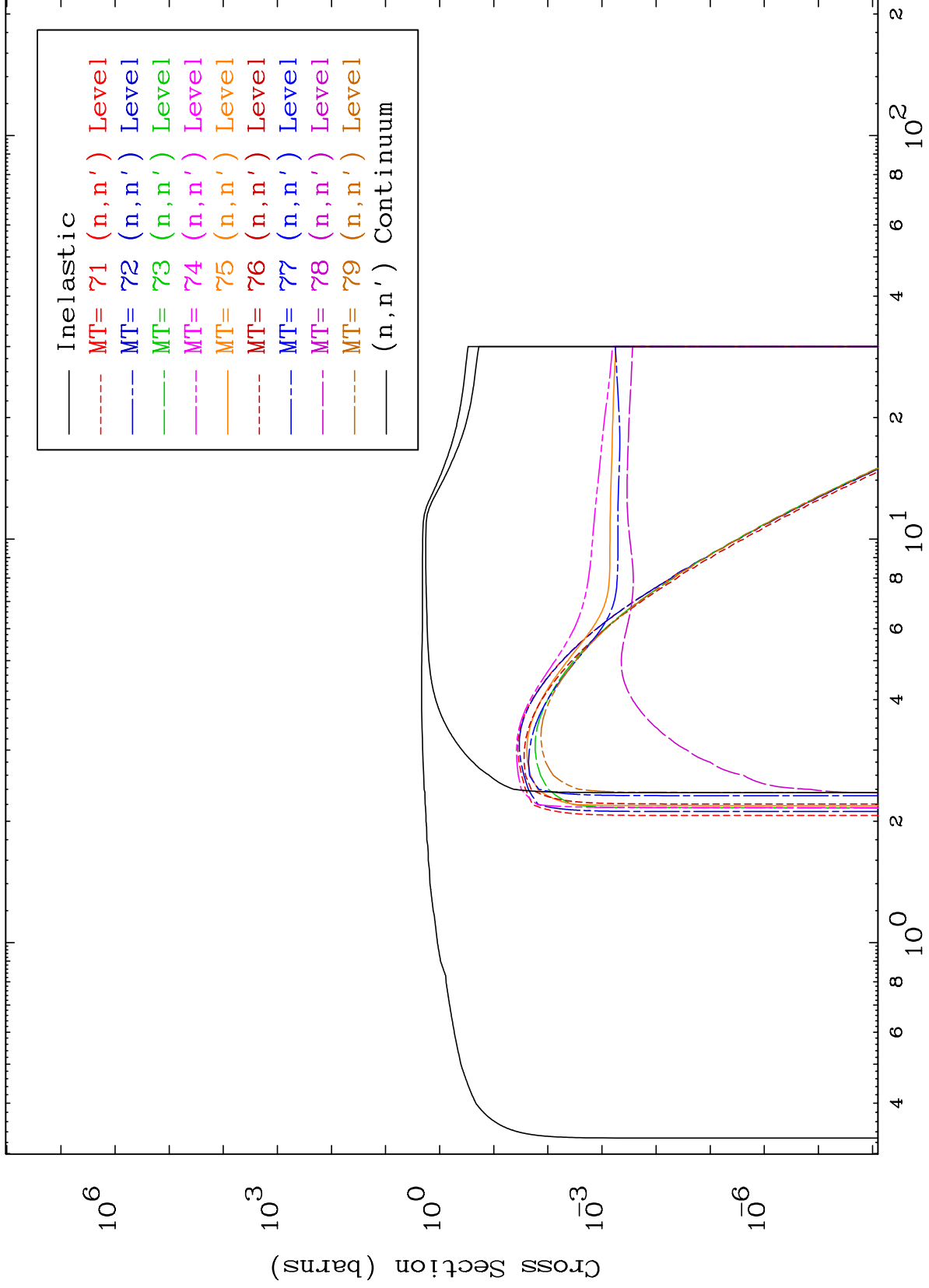


MAT 5813

(n,n') Levels

58-Ce-132

293 Kelvin Cross Sections



10

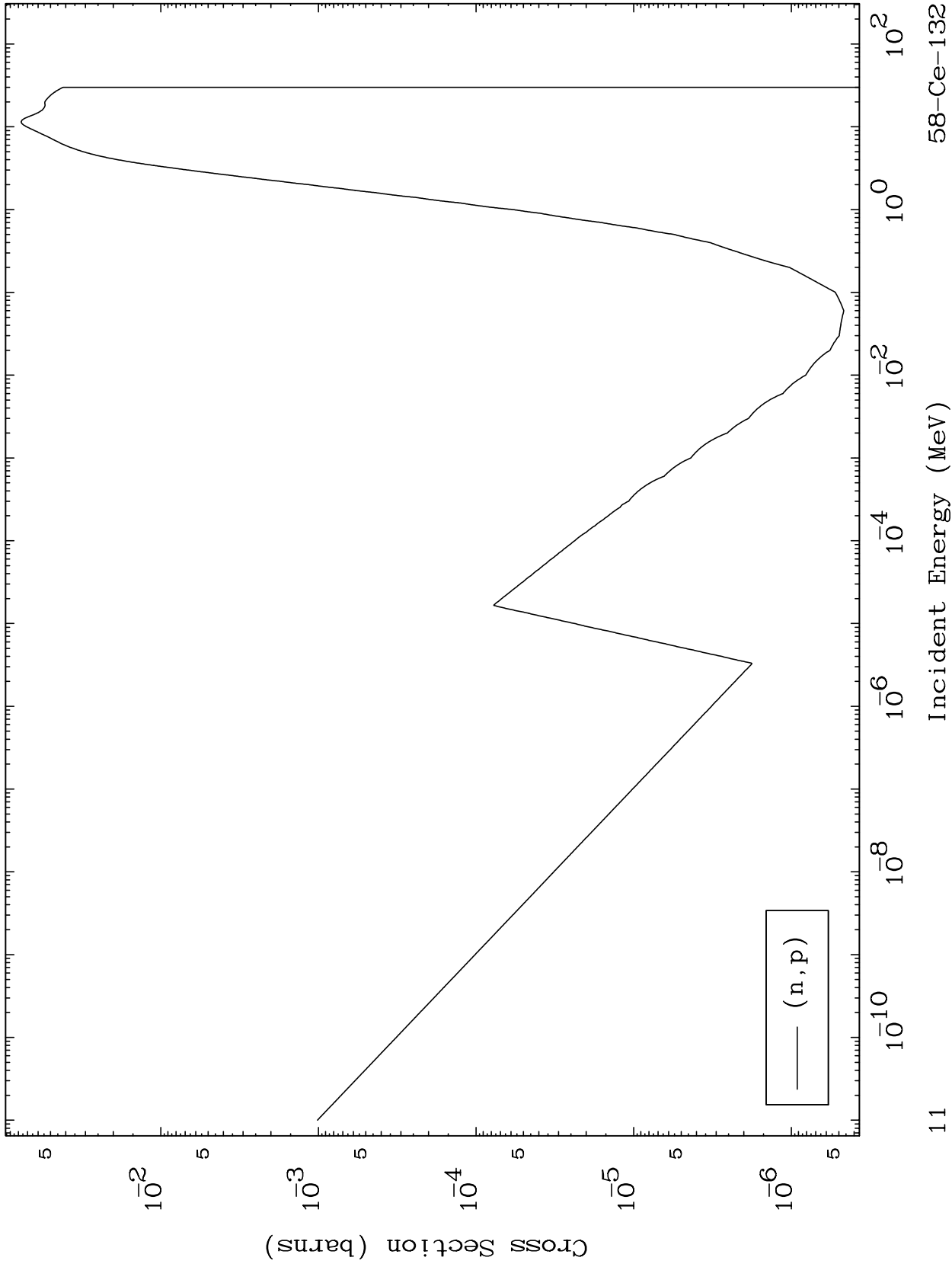
Incident Energy (MeV)

58-Ce-132

MAT 5813

(n,p) Levels
293 Kelvin Cross Sections

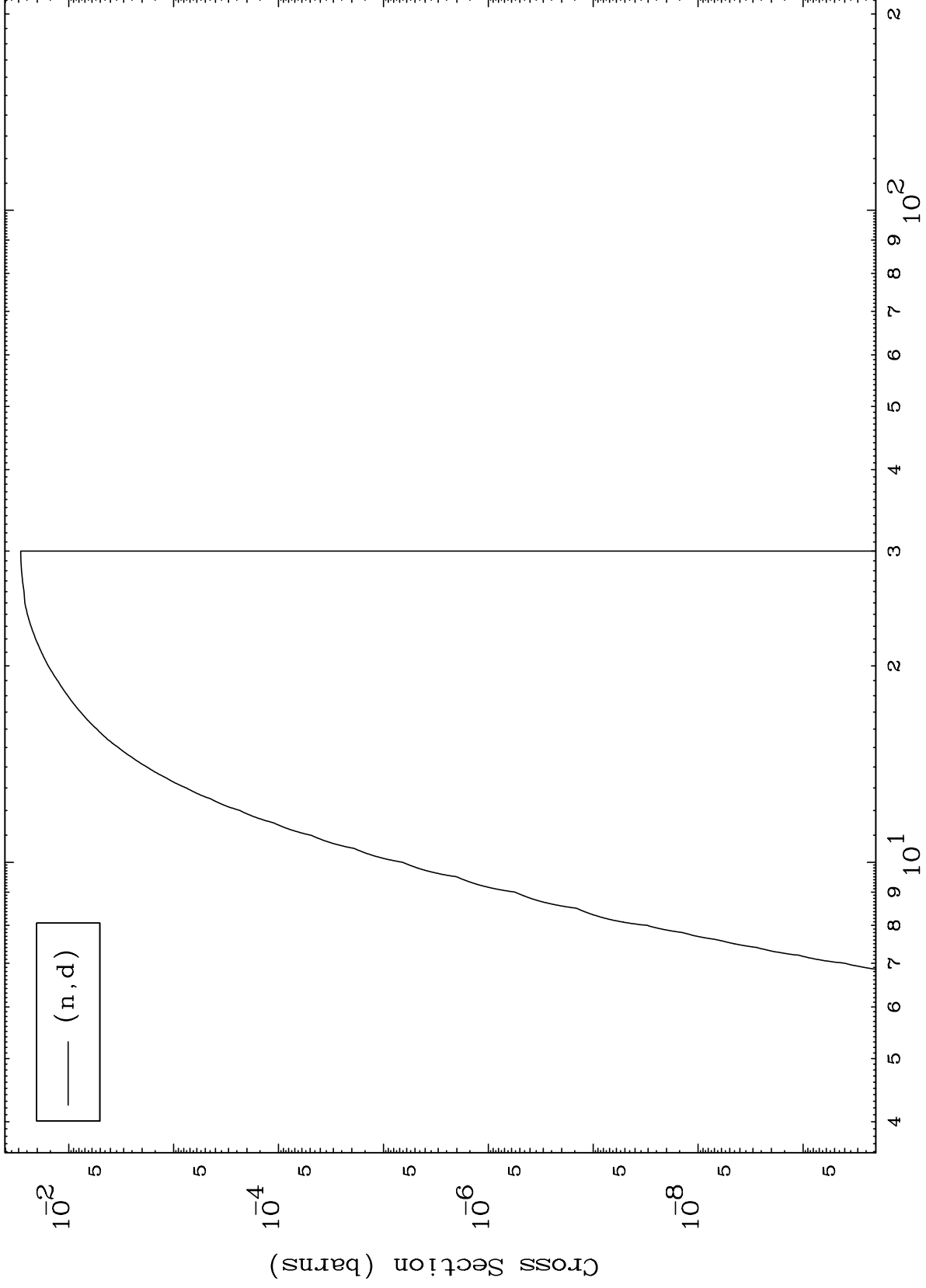
58-Ce-132



MAT 5813

(n,d) Levels
293 Kelvin Cross Sections

58-Ce-132



12

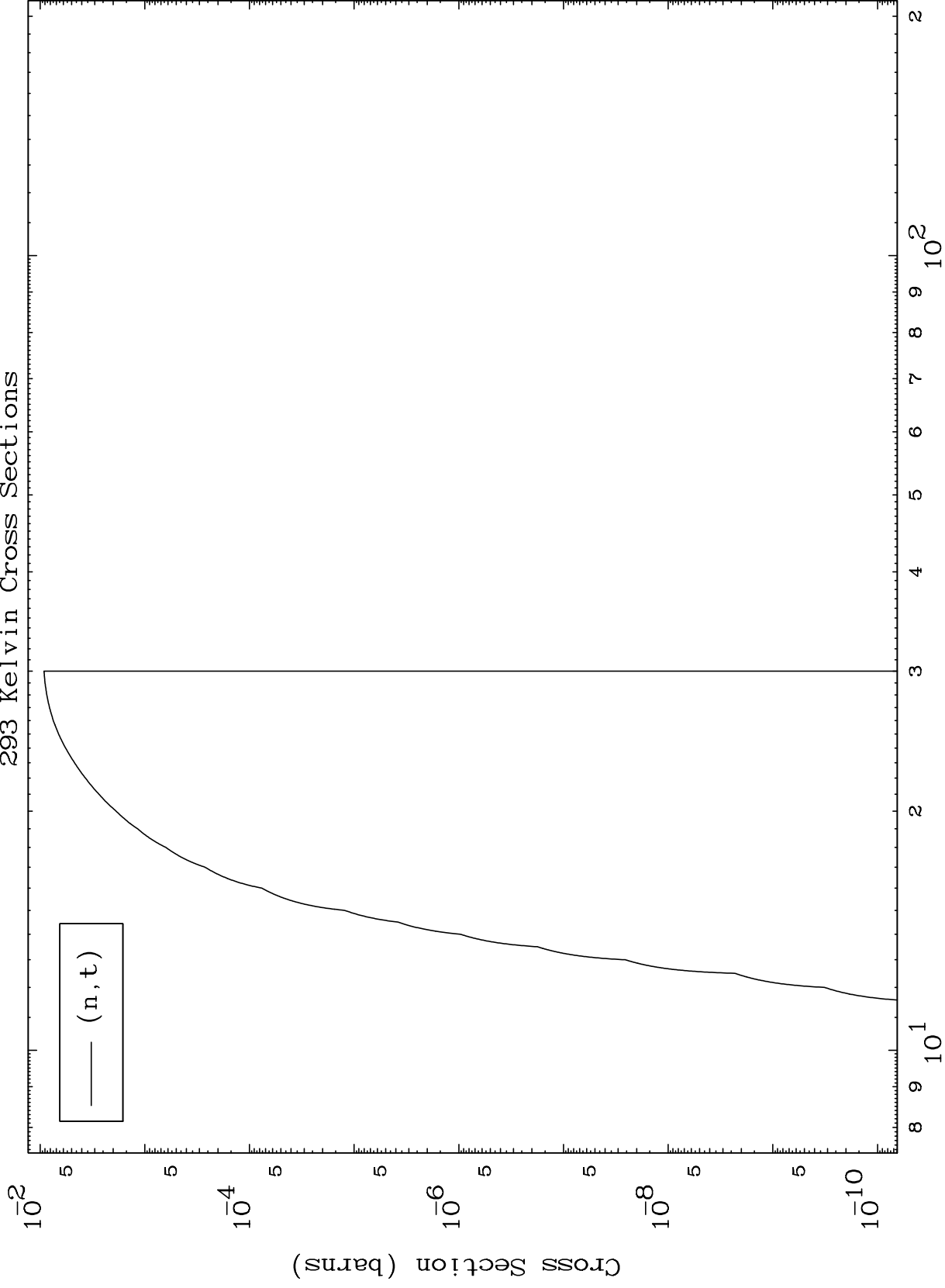
Incident Energy (MeV)

58-Ce-132

MAT 5813

(n,t) Levels
293 Kelvin Cross Sections

58-Ce-132



13

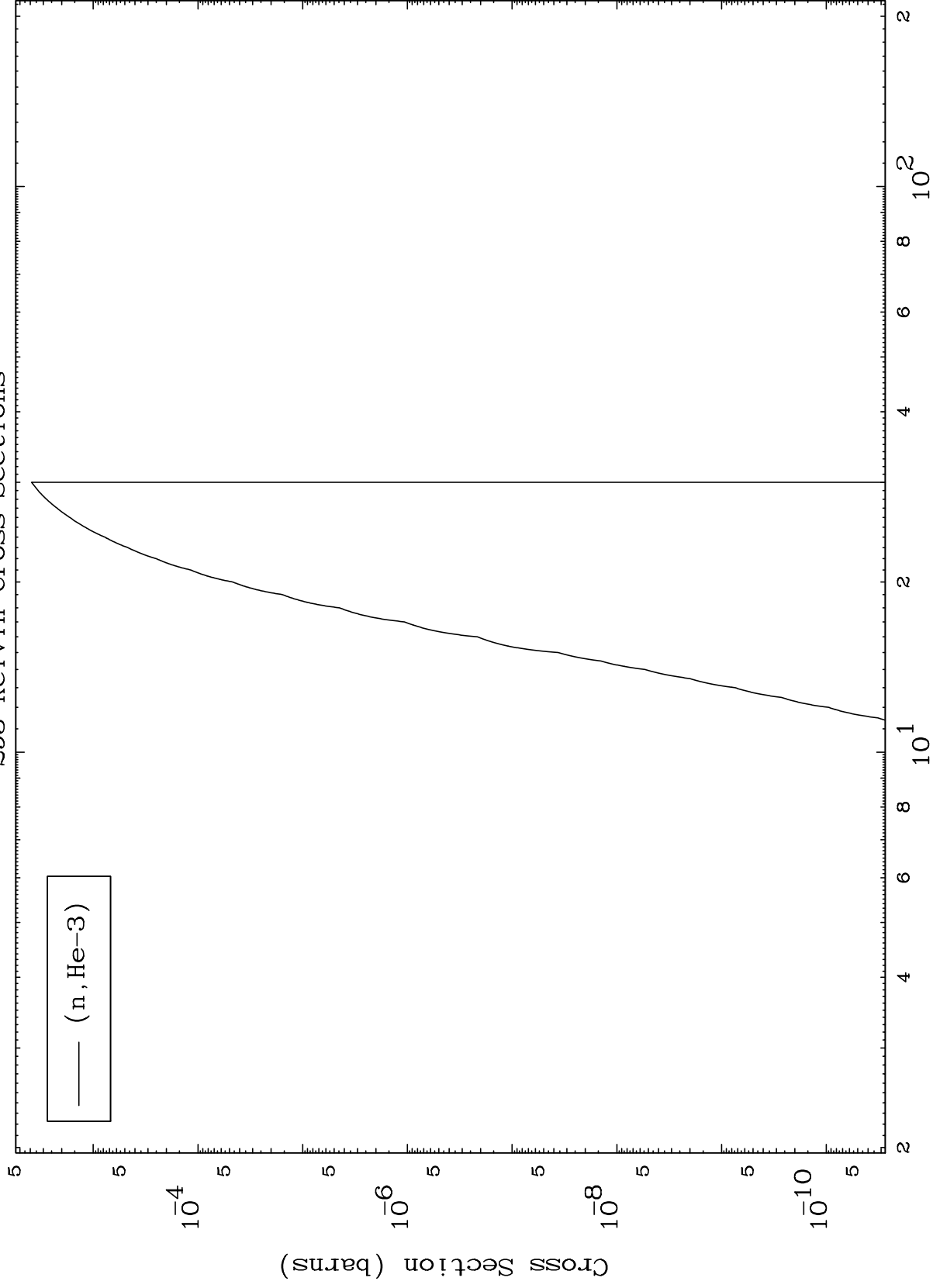
Incident Energy (MeV)

58-Ce-132

MAT 5813

(n,He3) Levels
293 Kelvin Cross Sections

58-Ce-132



14

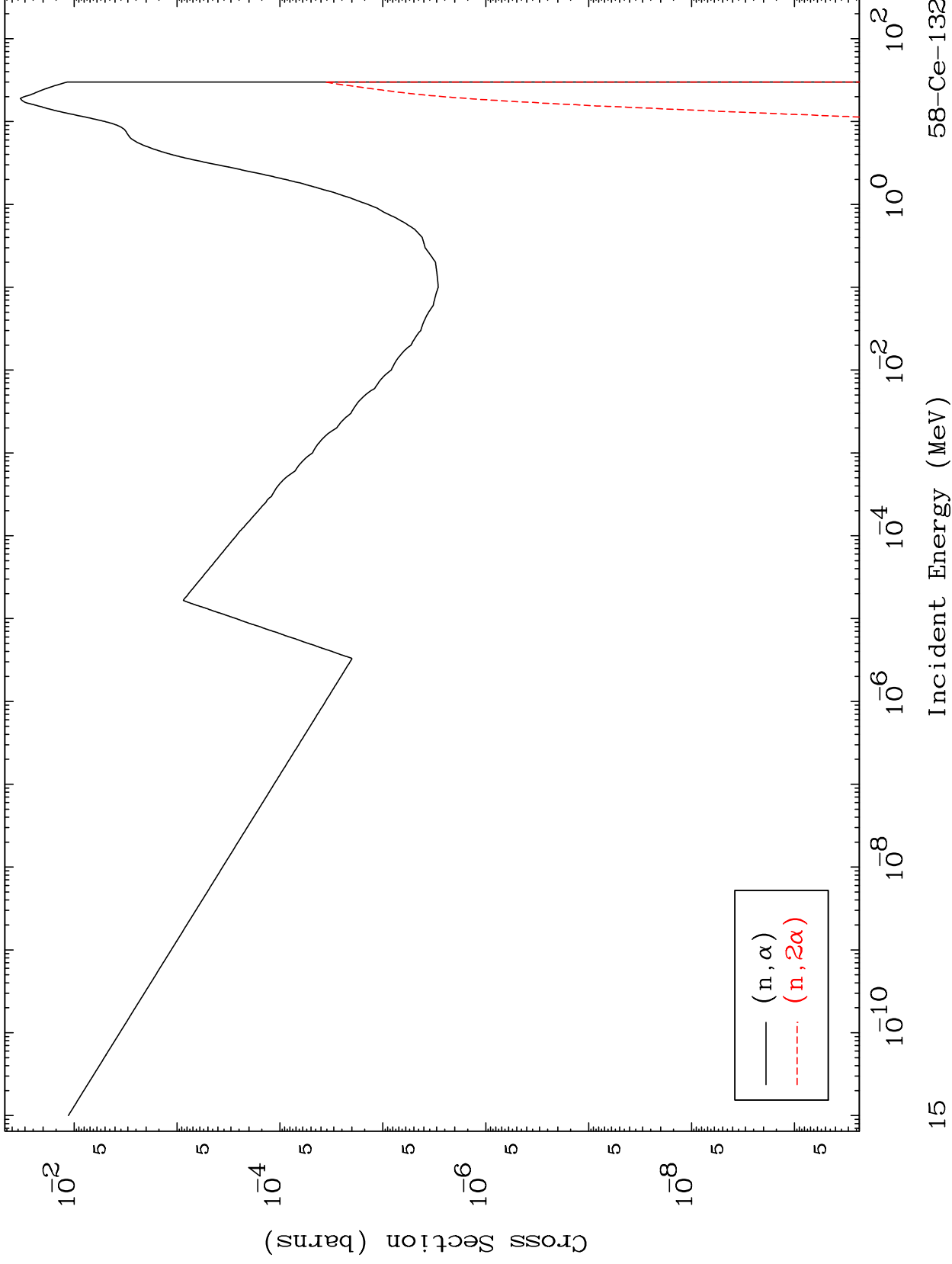
Incident Energy (MeV)

58-Ce-132

MAT 5813

(n, α) Levels
293 Kelvin Cross Sections

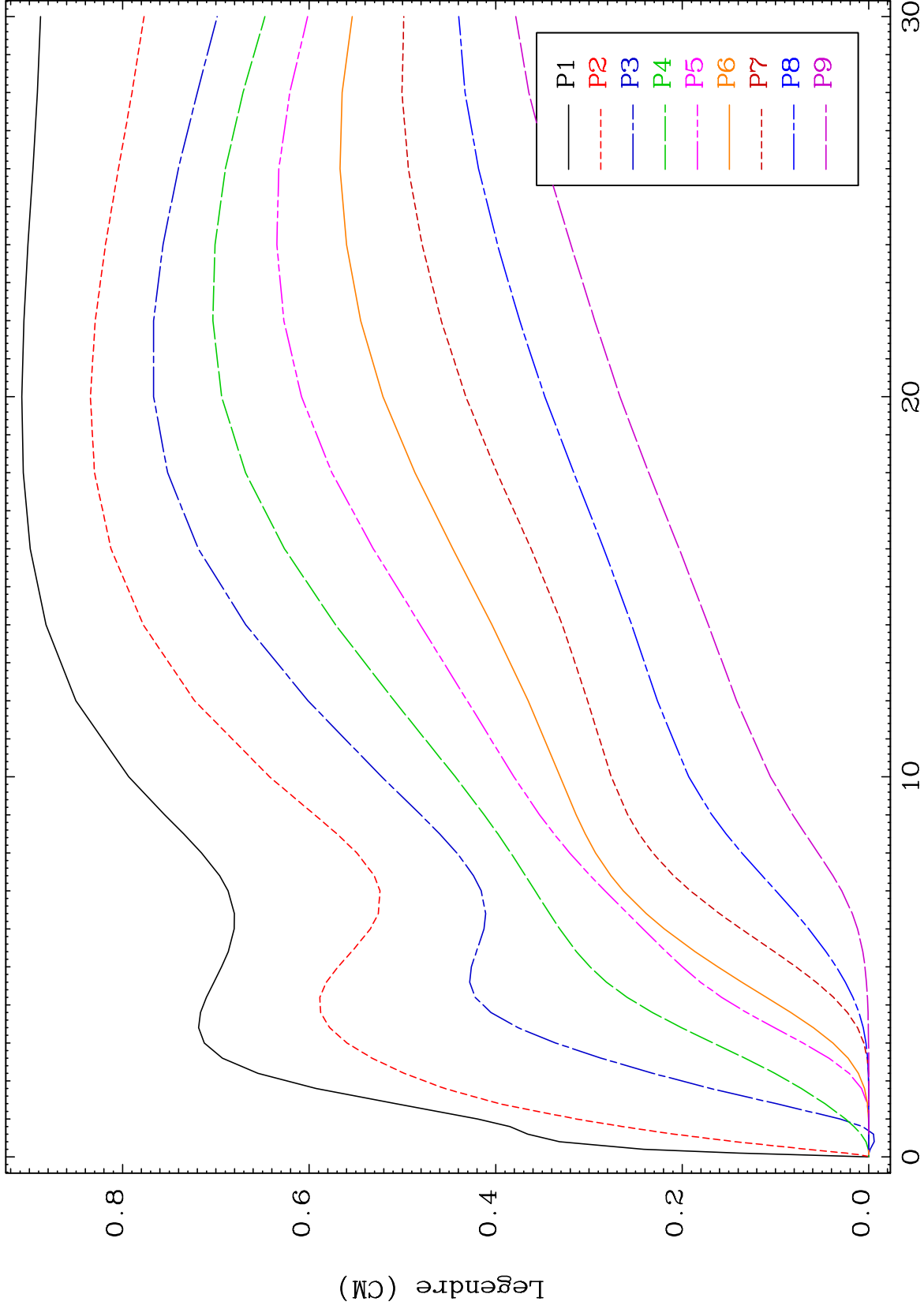
58-Ce-132



MAT 5813

Elastic Legendre Coefficients

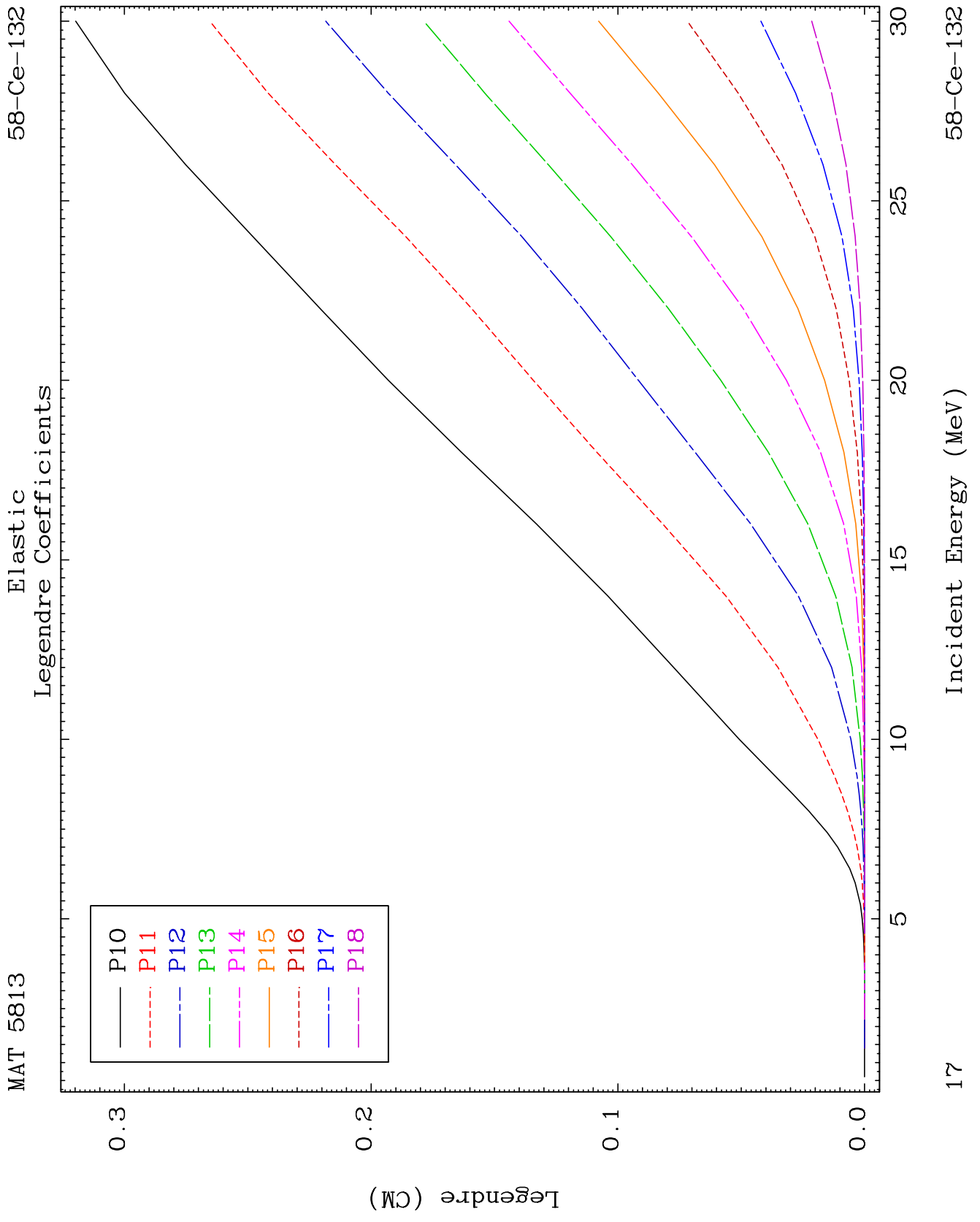
58-Ce-132



16

Incident Energy (MeV)

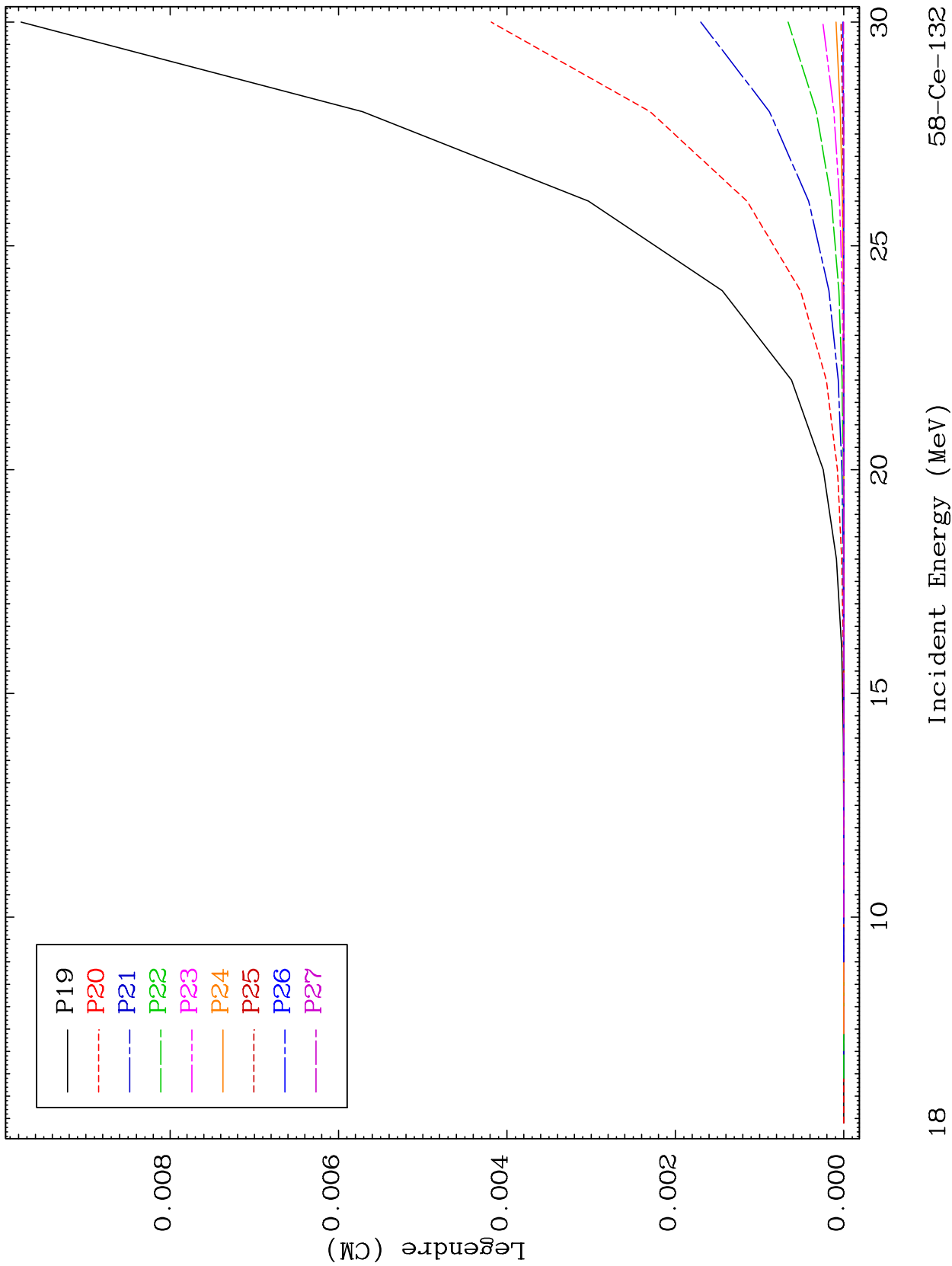
58-Ce-132



MAT 5813

Elastic Legendre Coefficients

58-Ce-132



18

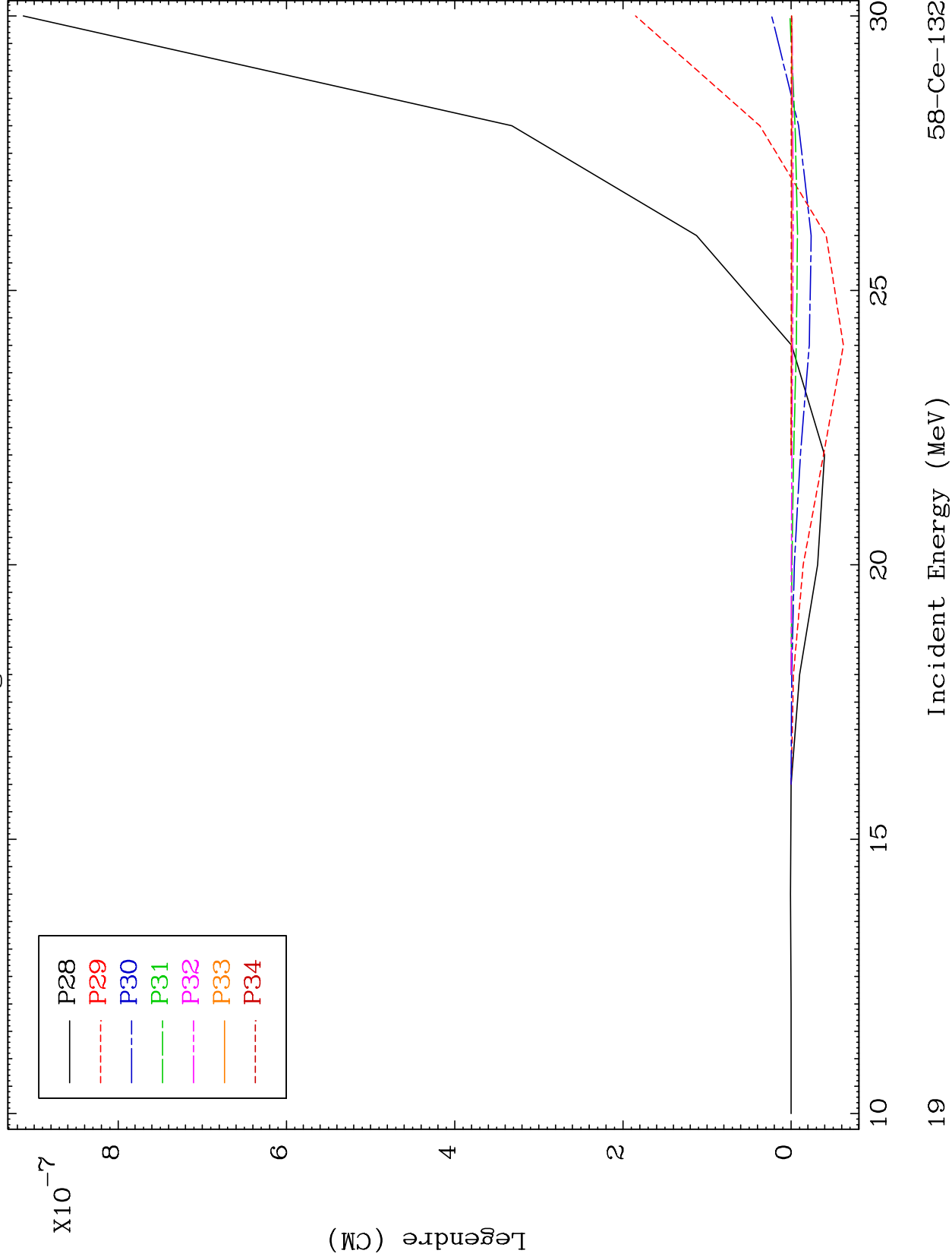
Incident Energy (MeV)

58-Ce-132

MAT 5813

Elastic Legendre Coefficients

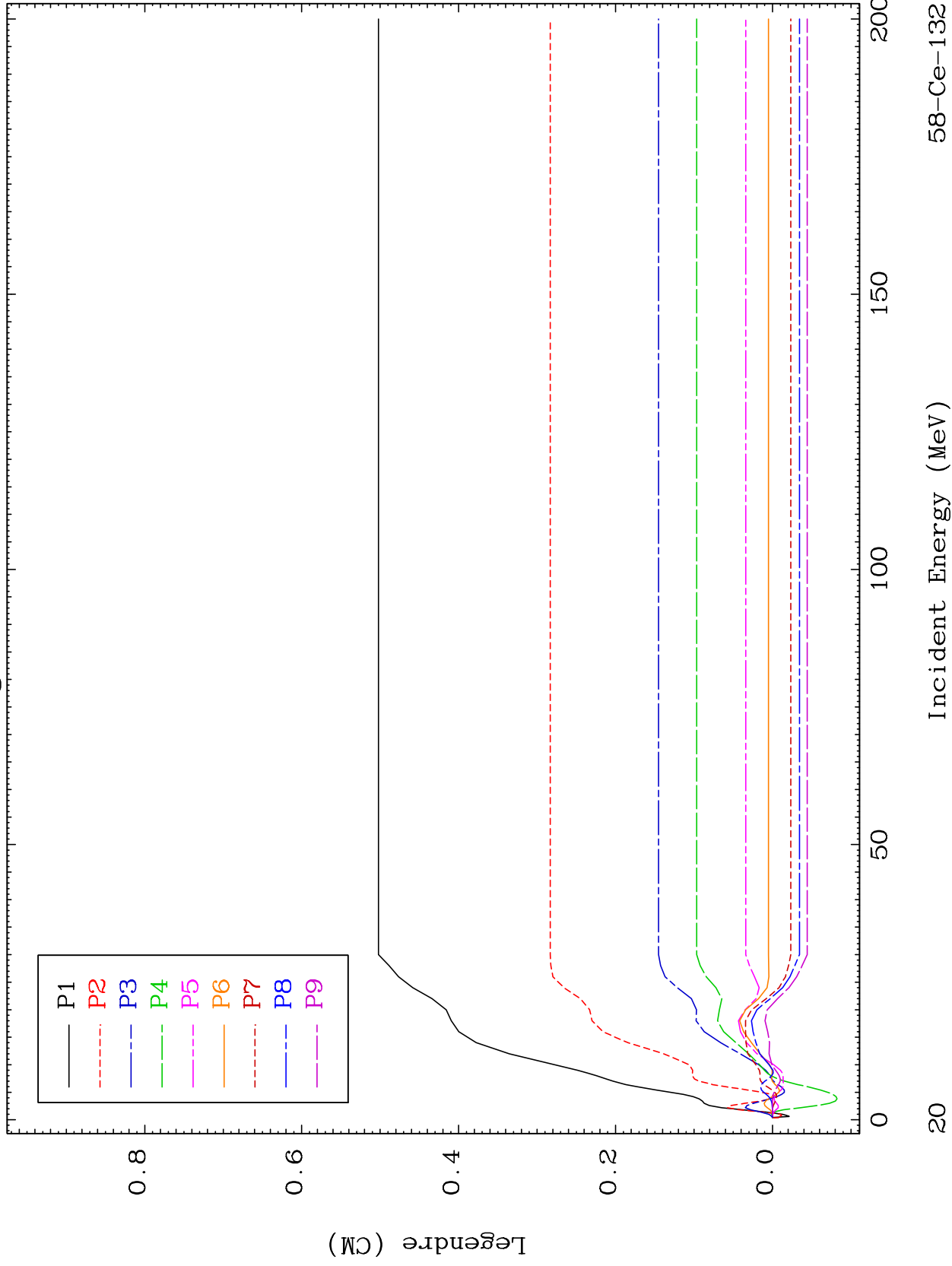
58-Ce-132



MAT 5813

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

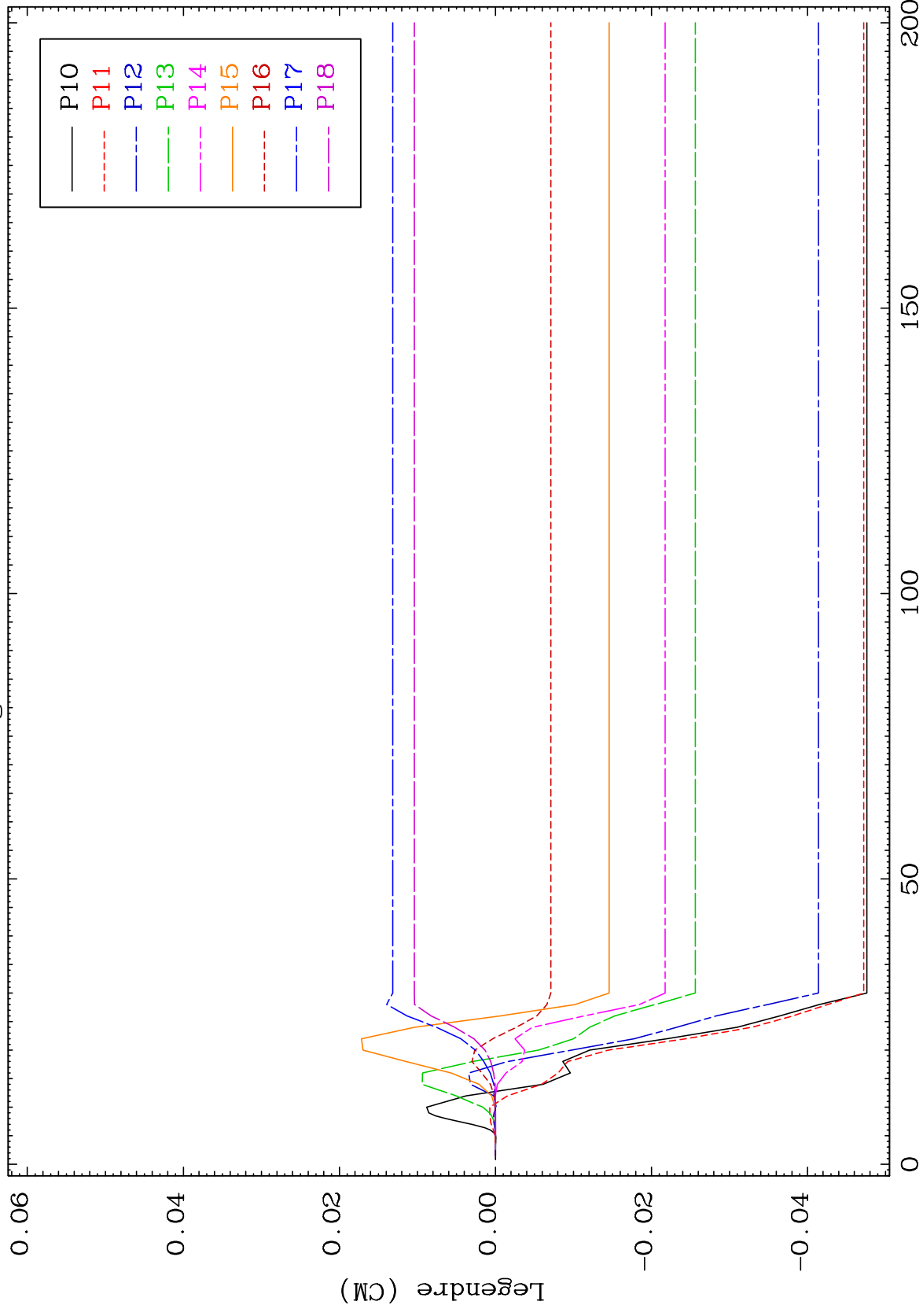
58-Ce-132



MAT 5813

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

58-Ce-132



21

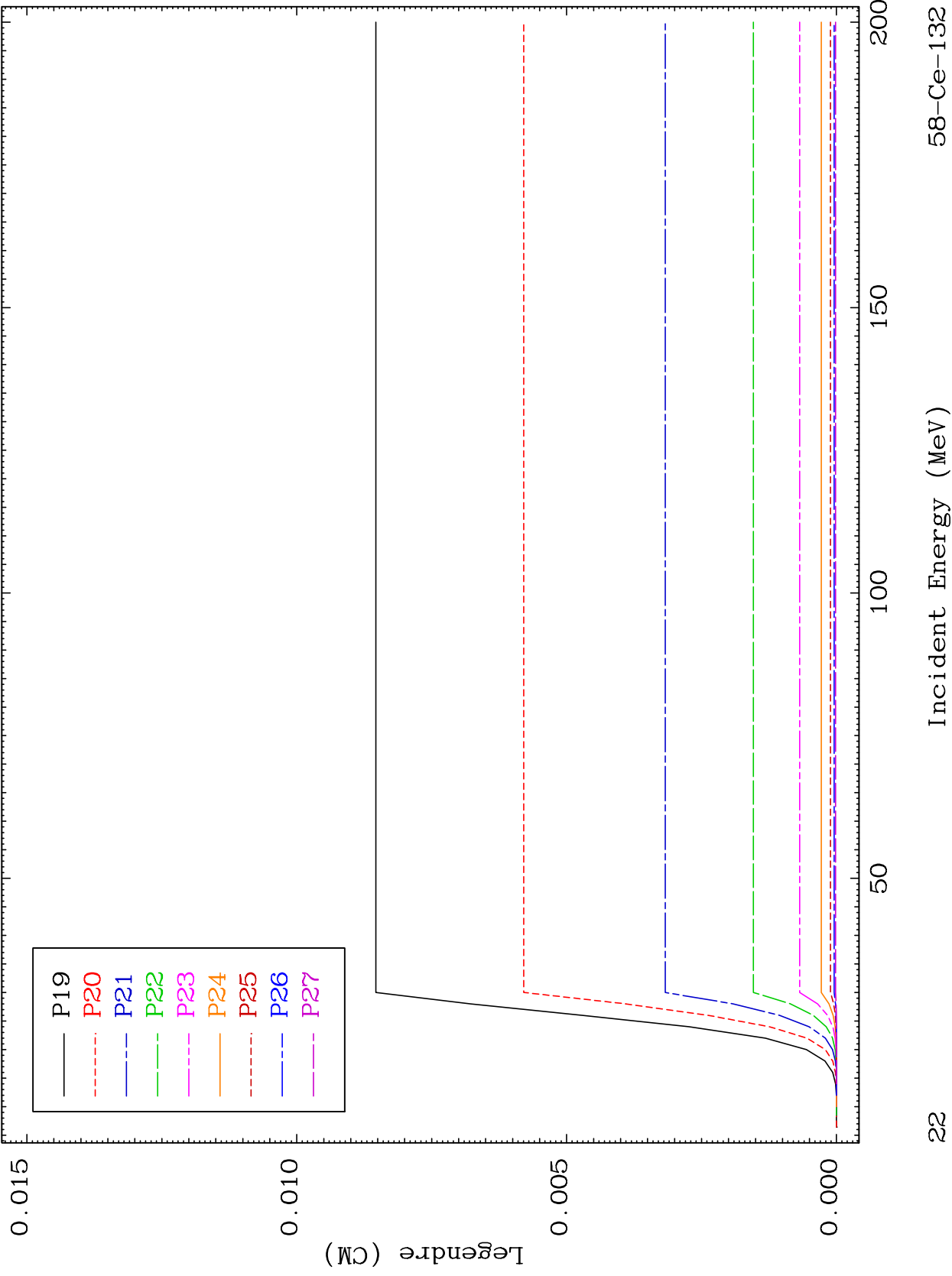
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

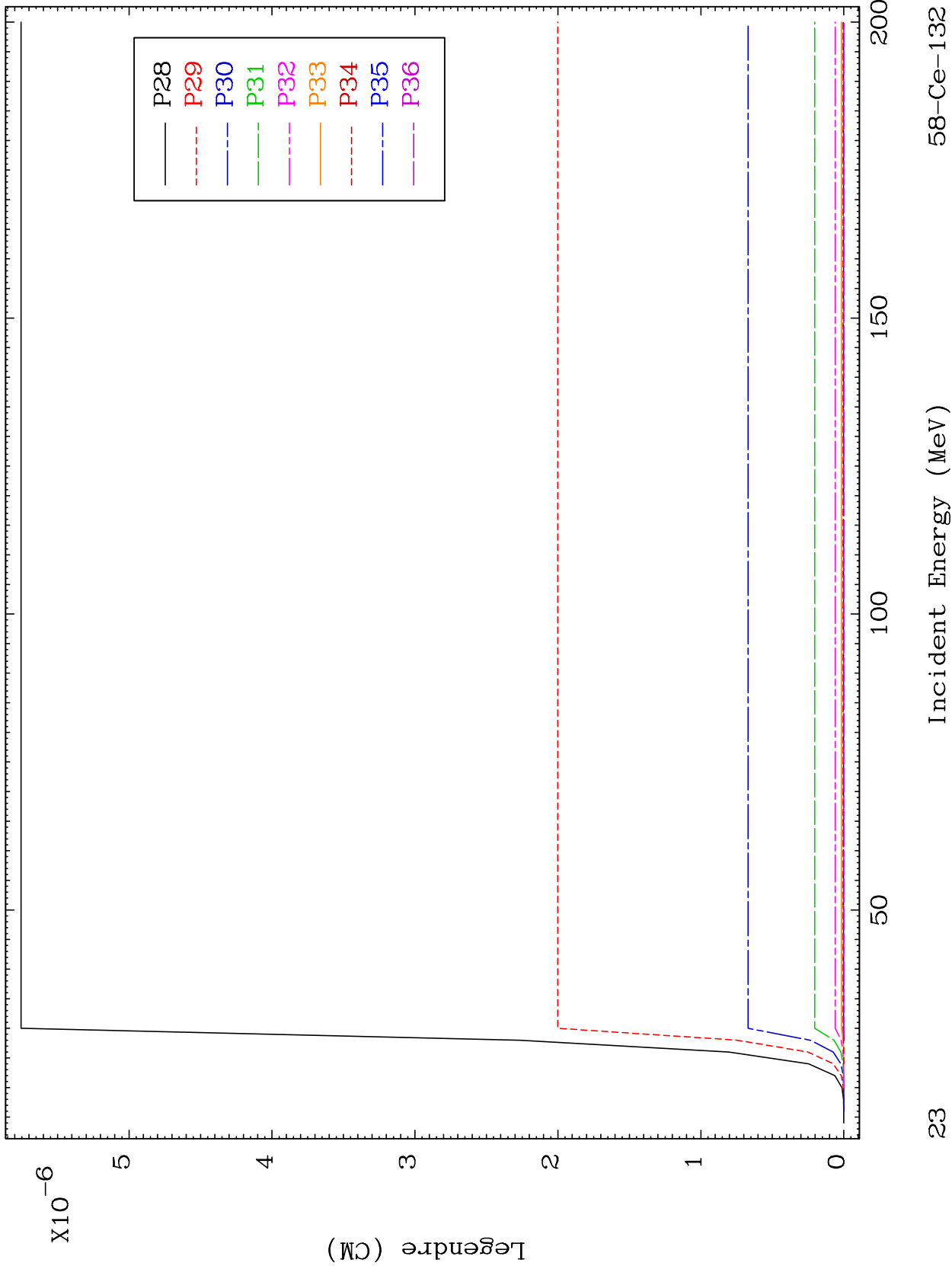
58-Ce-132



MAT 5813

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

58-Ce-132



23

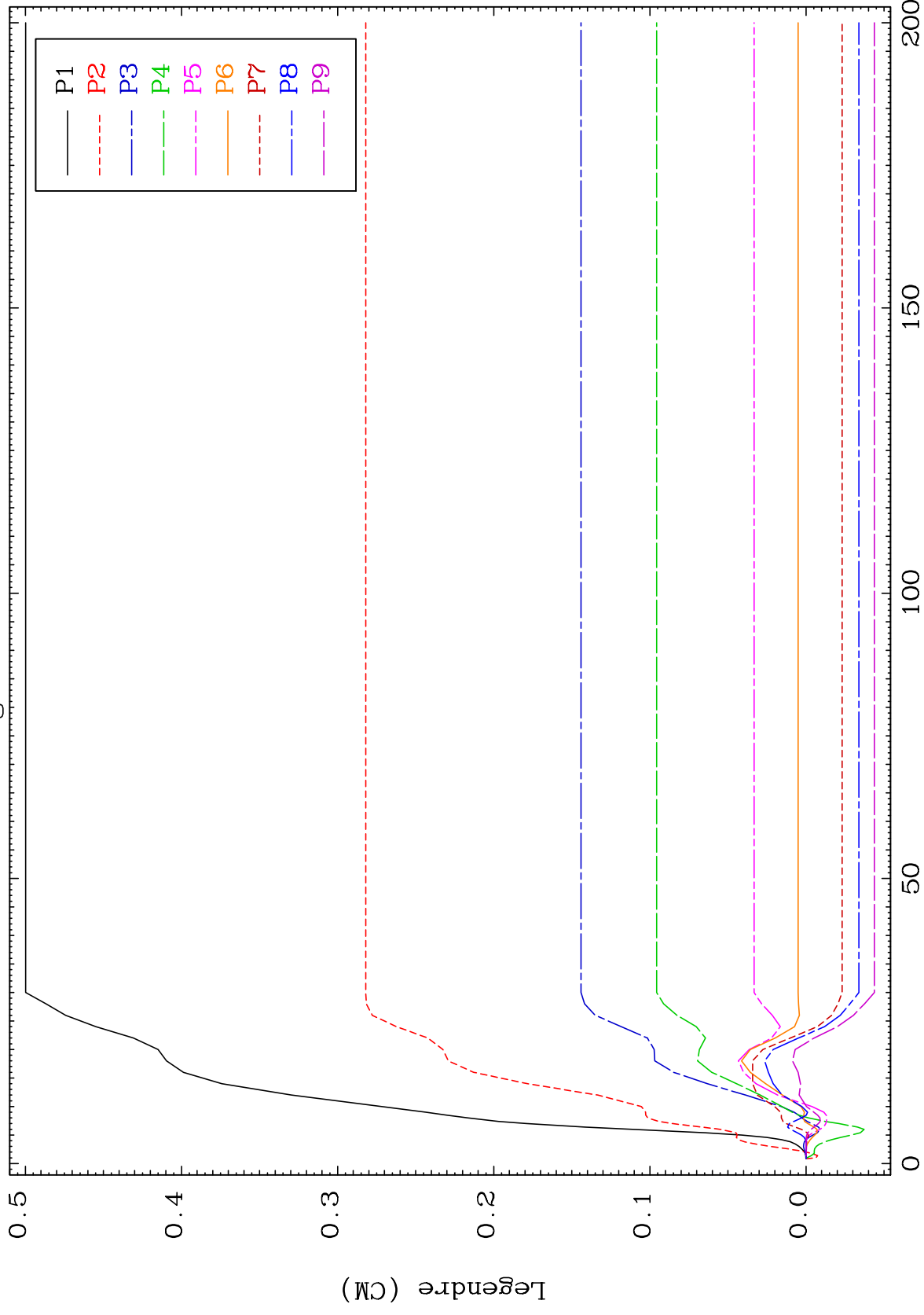
Incident Energy (MeV)

58-Ce-132

MAT 5813

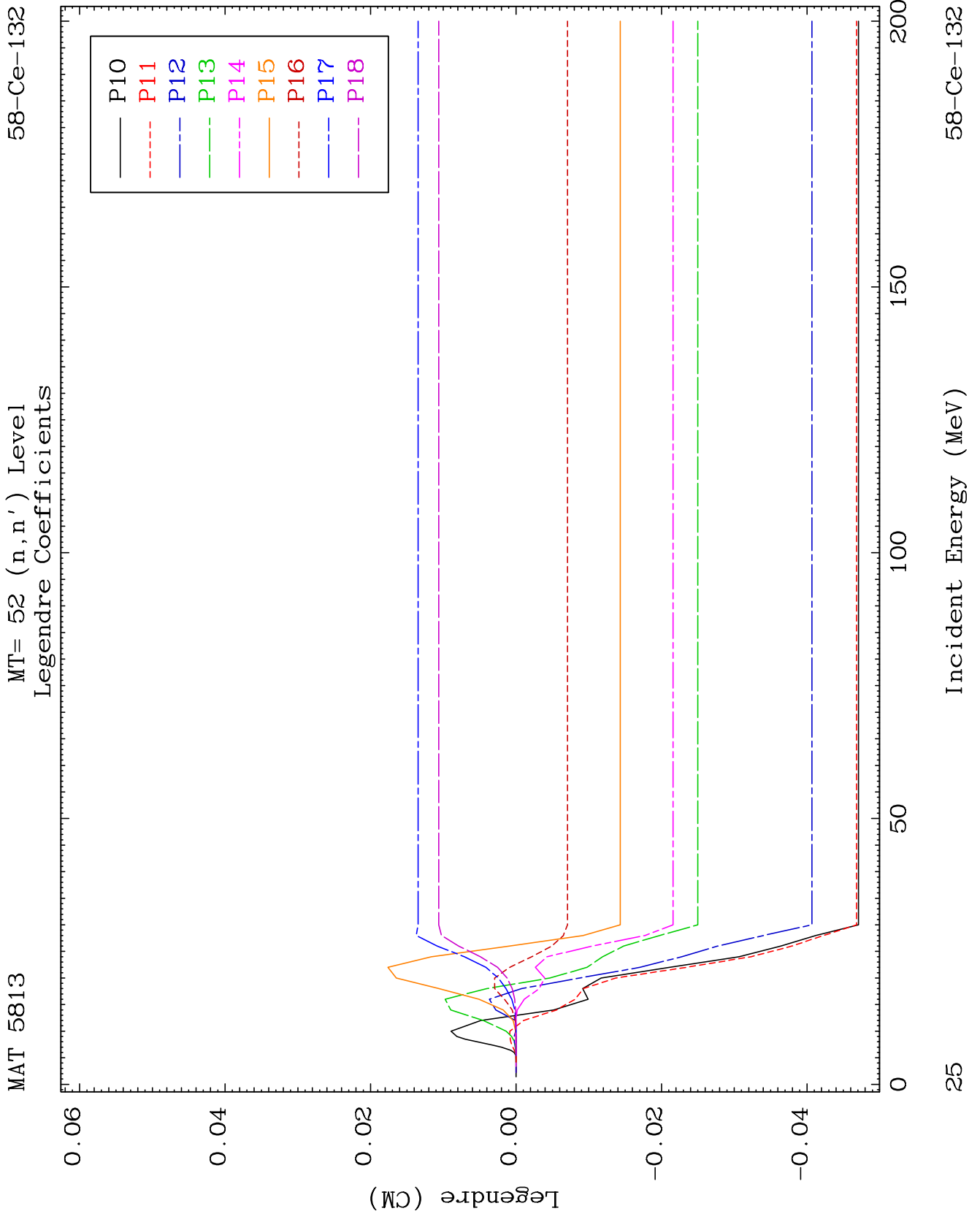
MT= 52 (n,n') Level
Legendre Coefficients

58-Ce-132



24

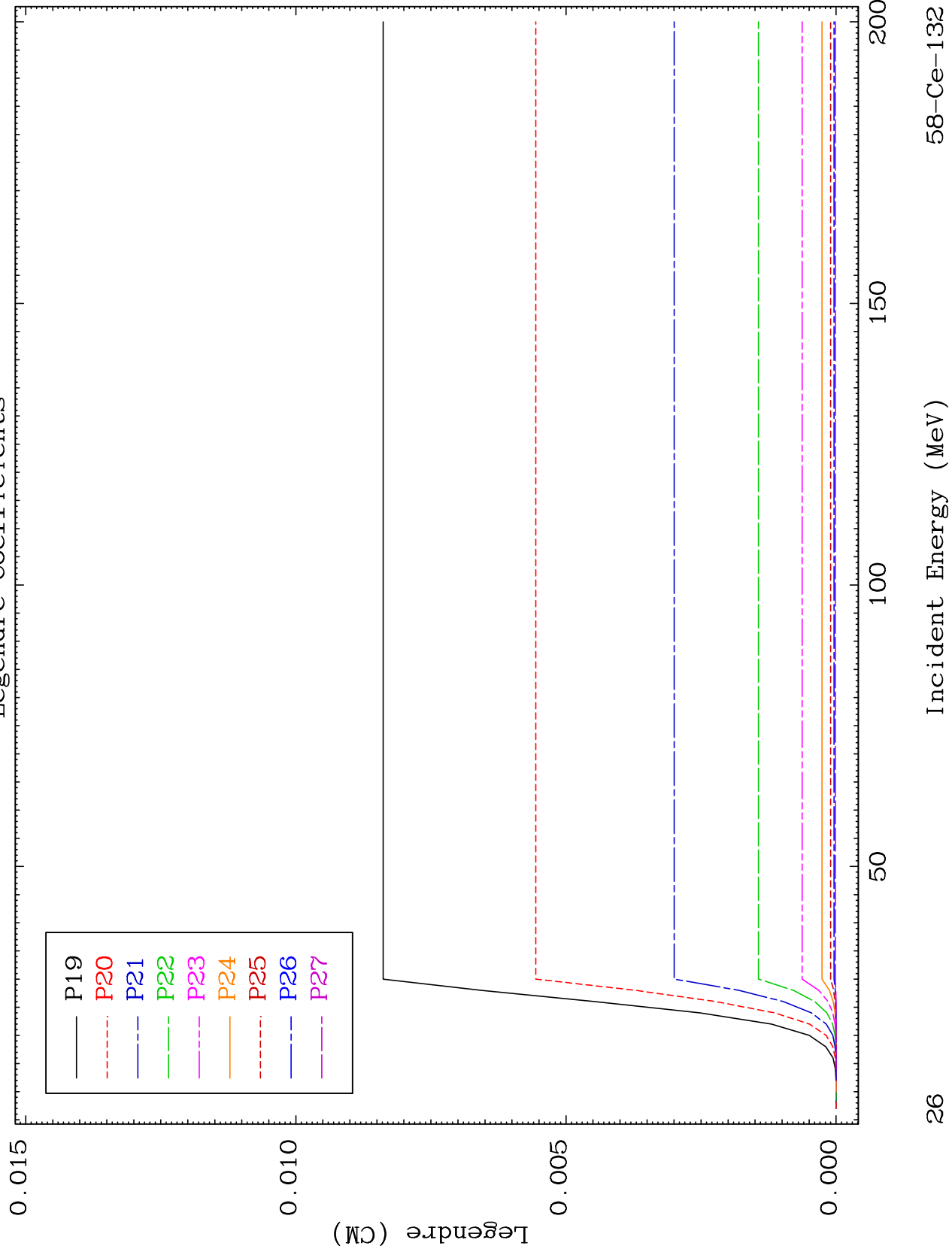
58-Ce-132



MAT 5813

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

58-Ce-132



26

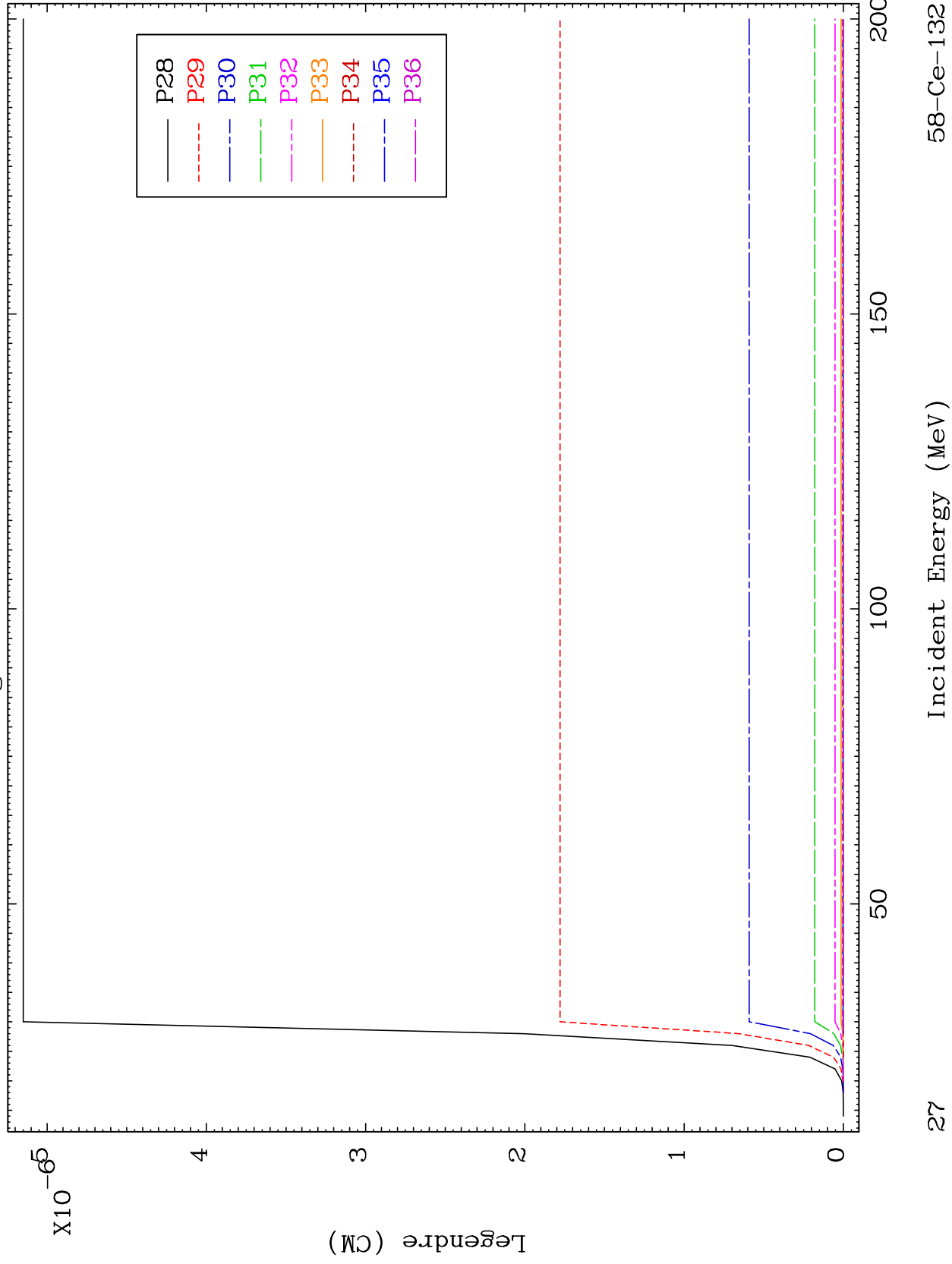
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

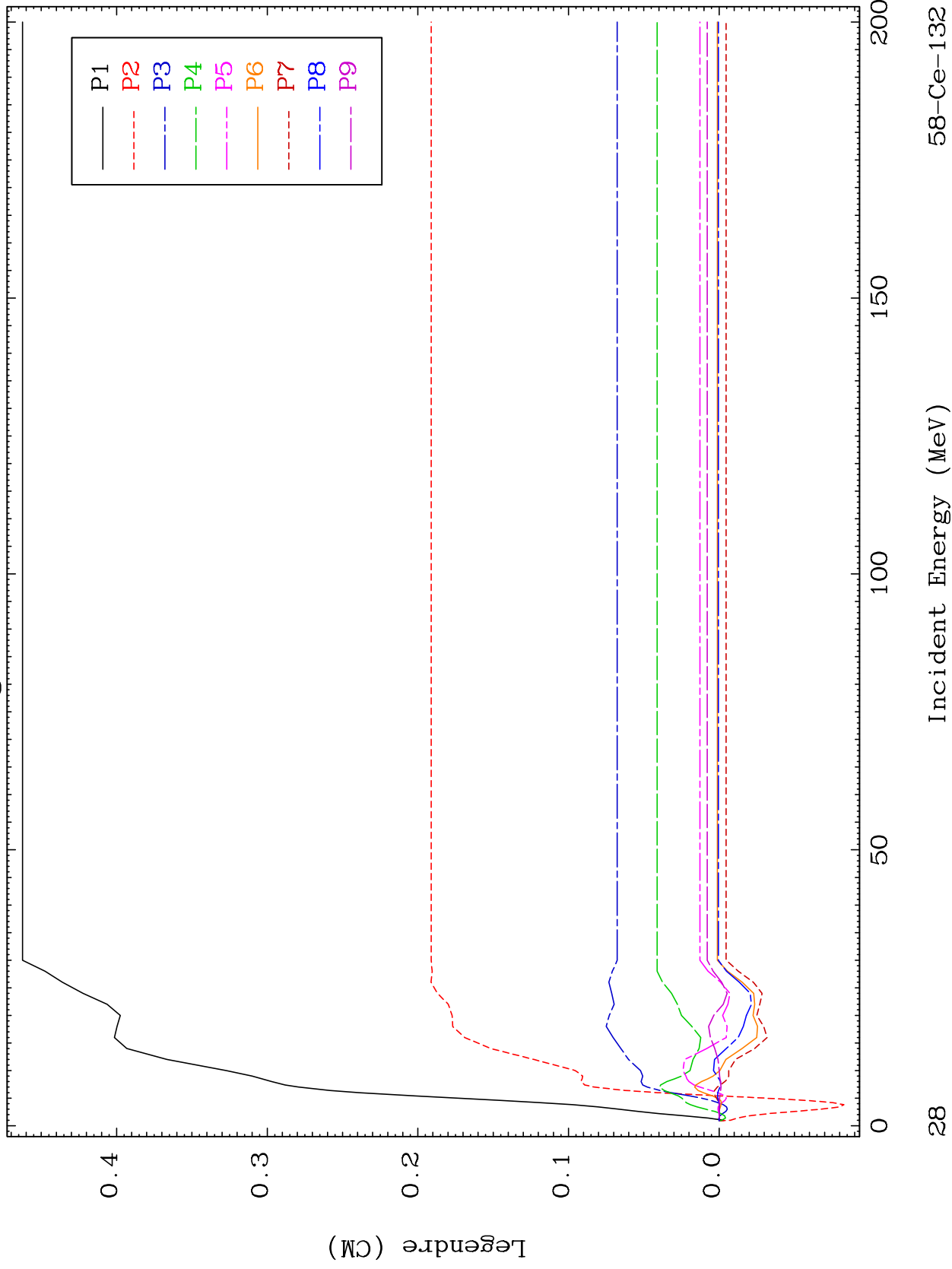
58-Ce-132



MAT 5813

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

58-Ce-132



58-Ce-132

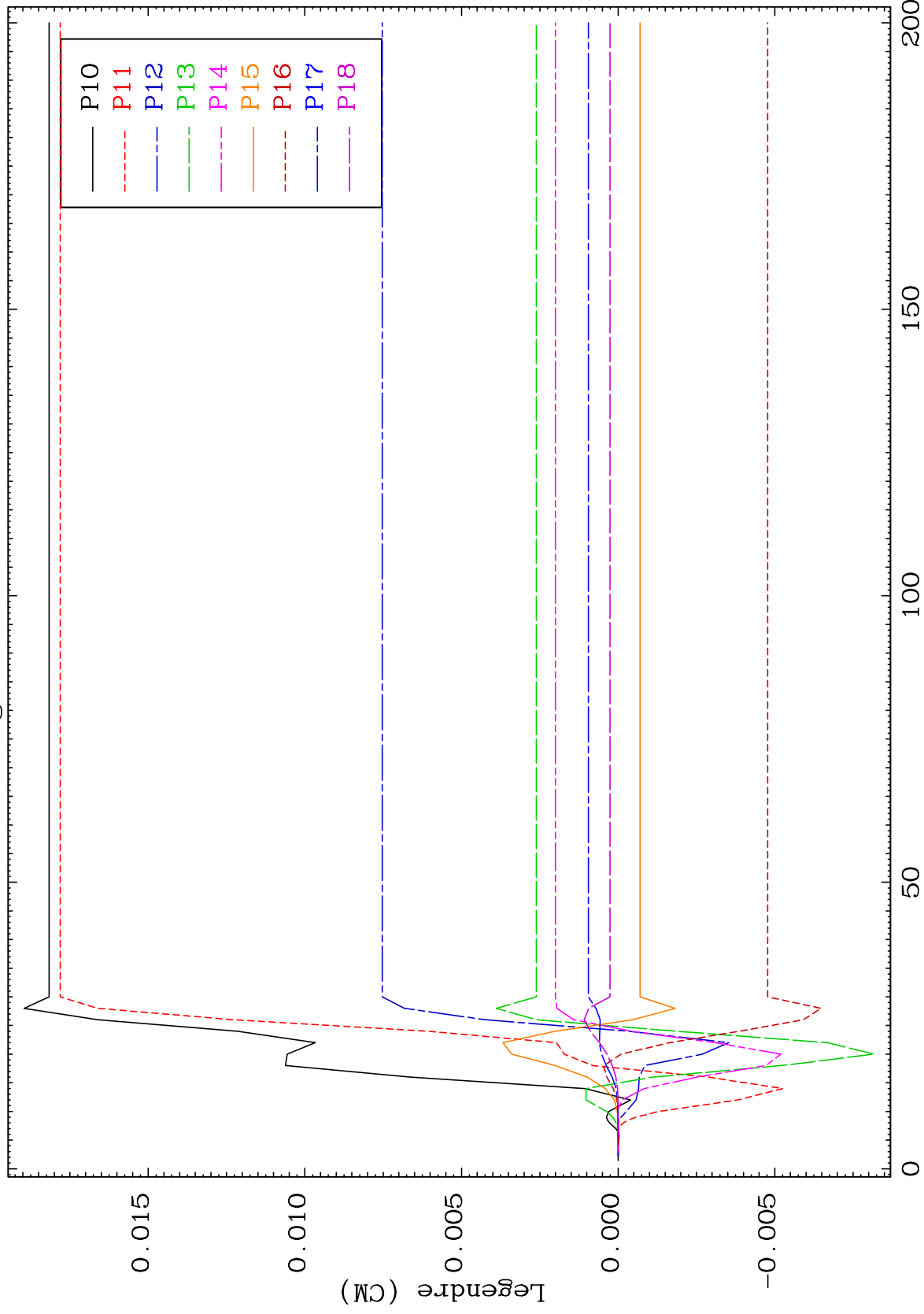
Incident Energy (MeV)

28

MAT 5813

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

58-Ce-132



29

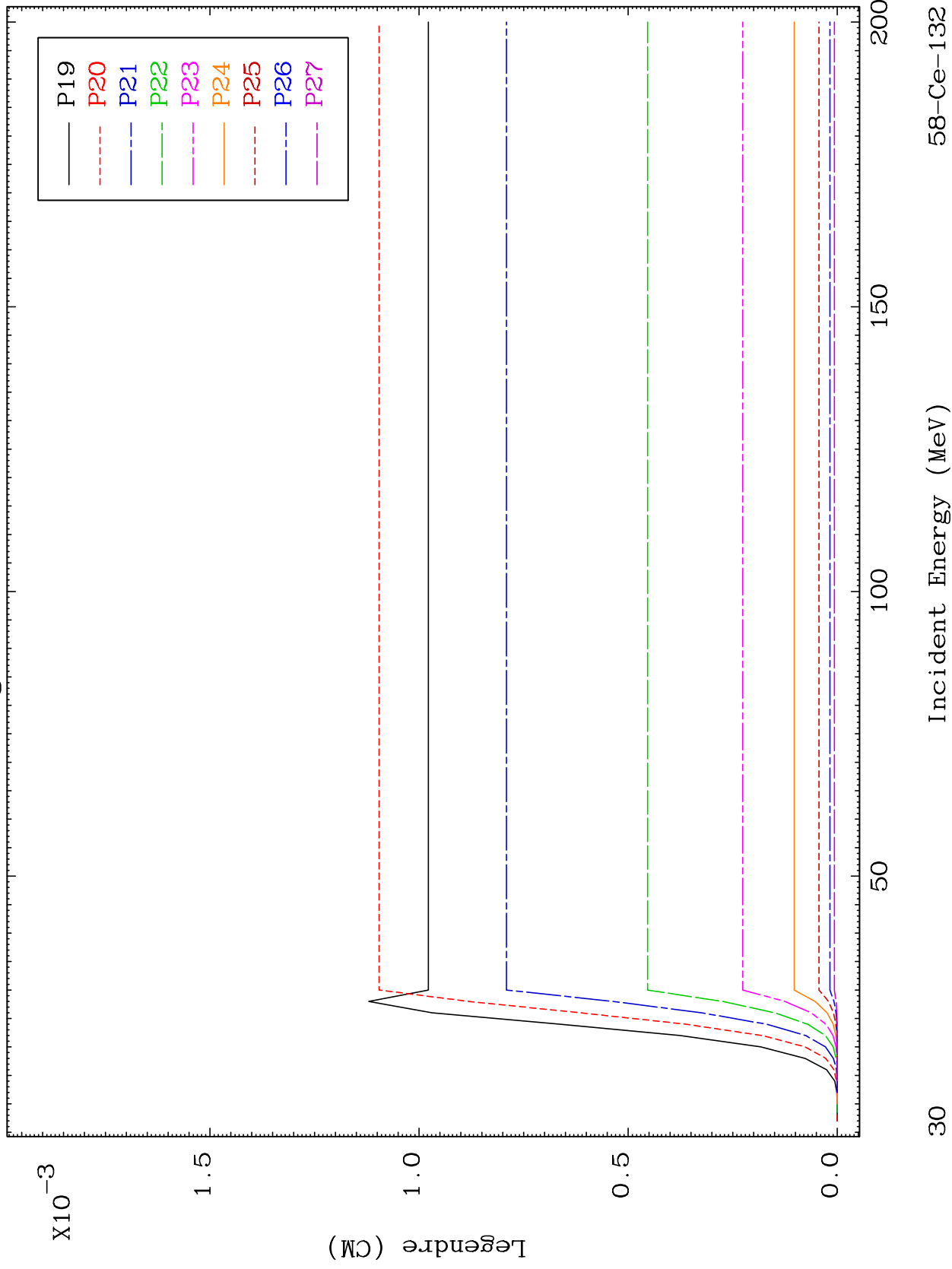
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

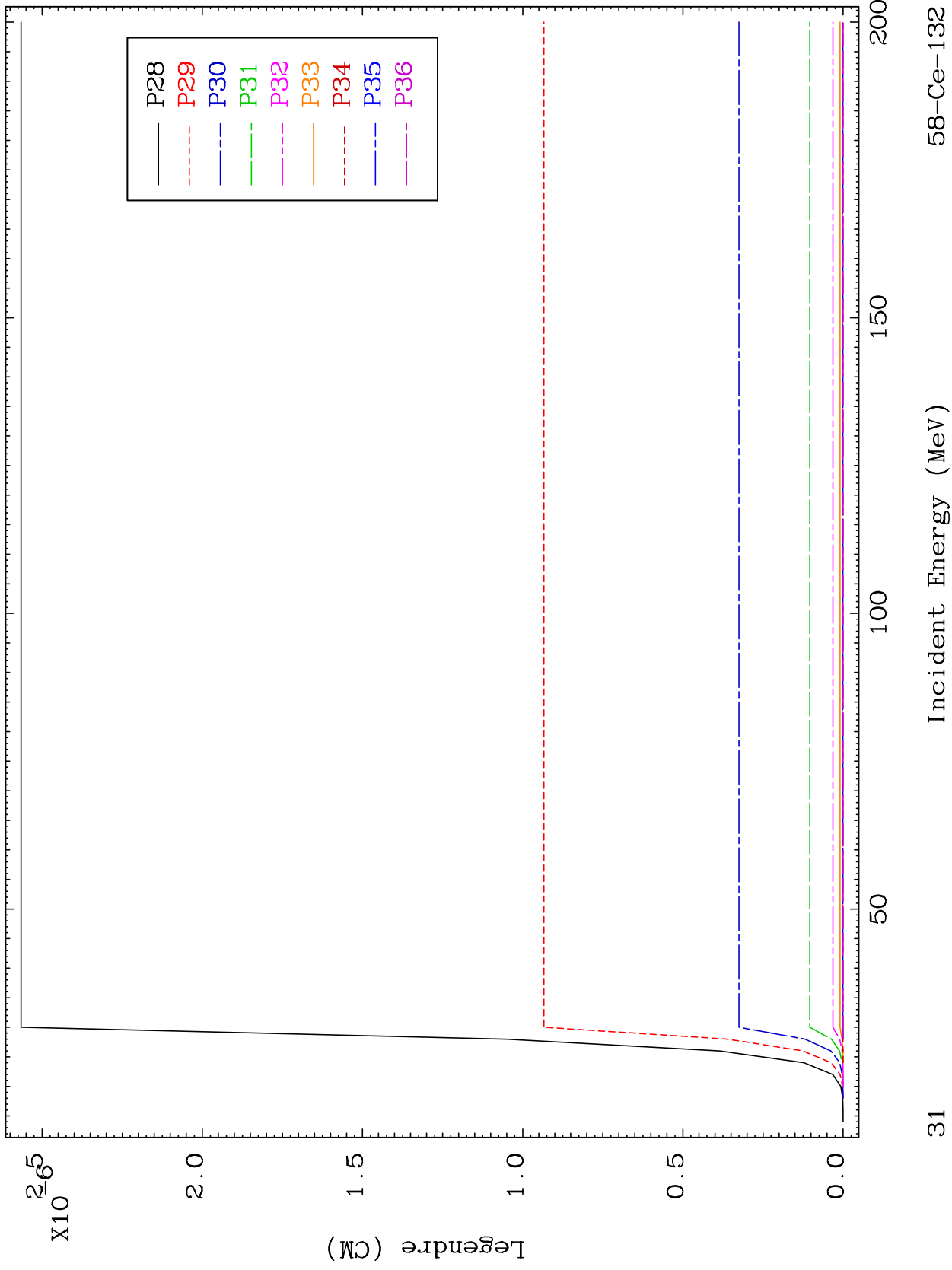
58-Ce-132

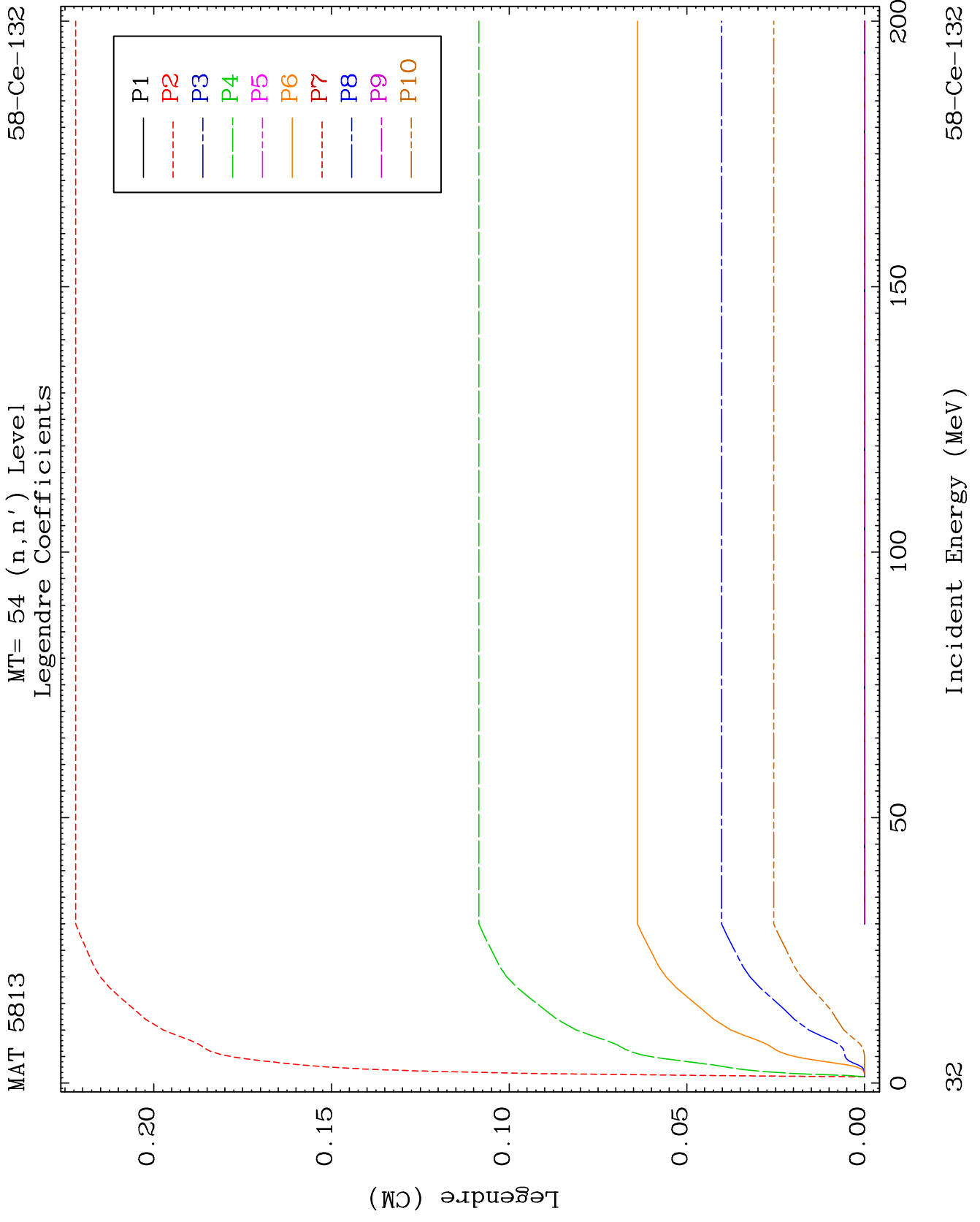


MAT 5813

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

58-Ce-132

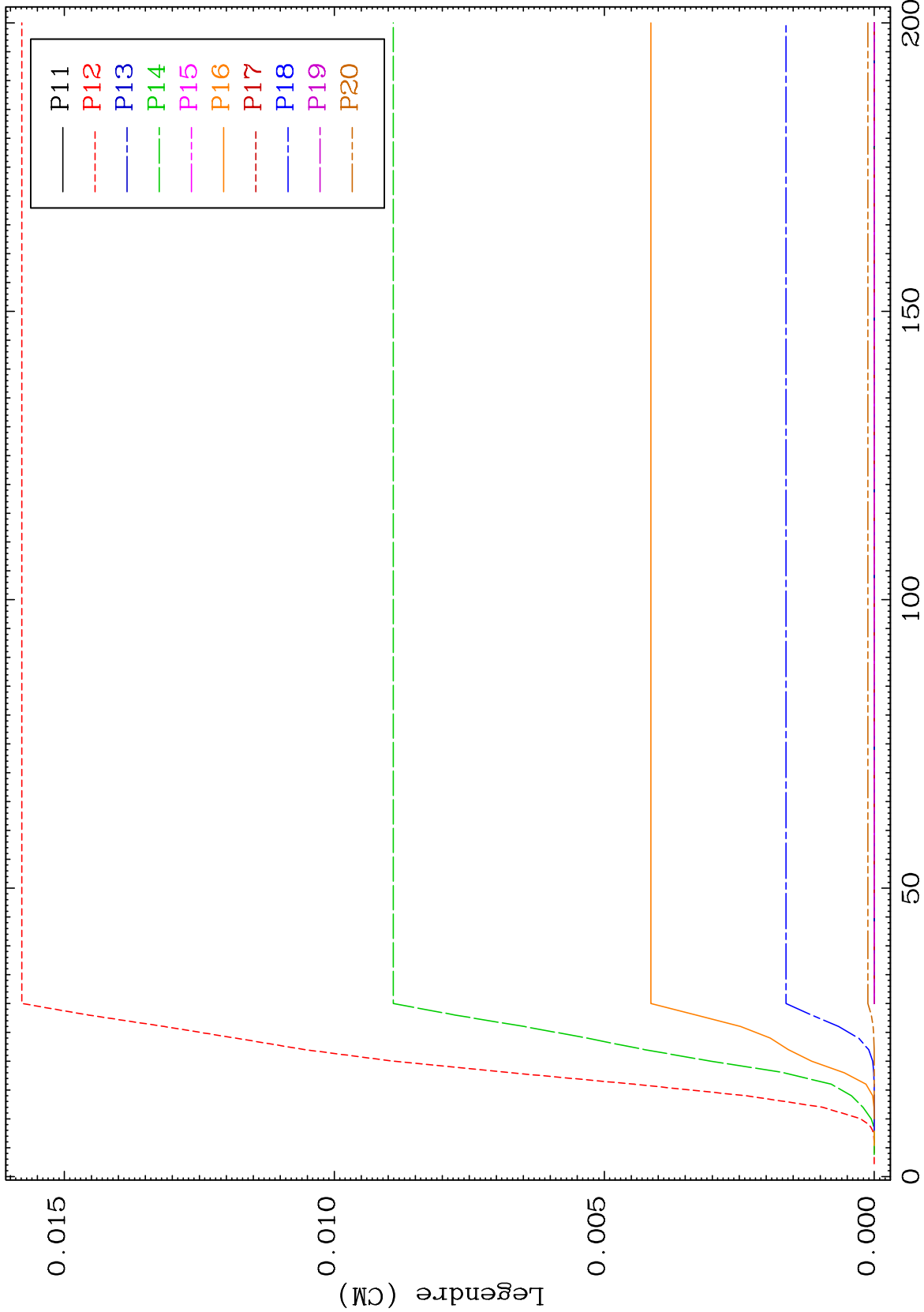




MAT 5813

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

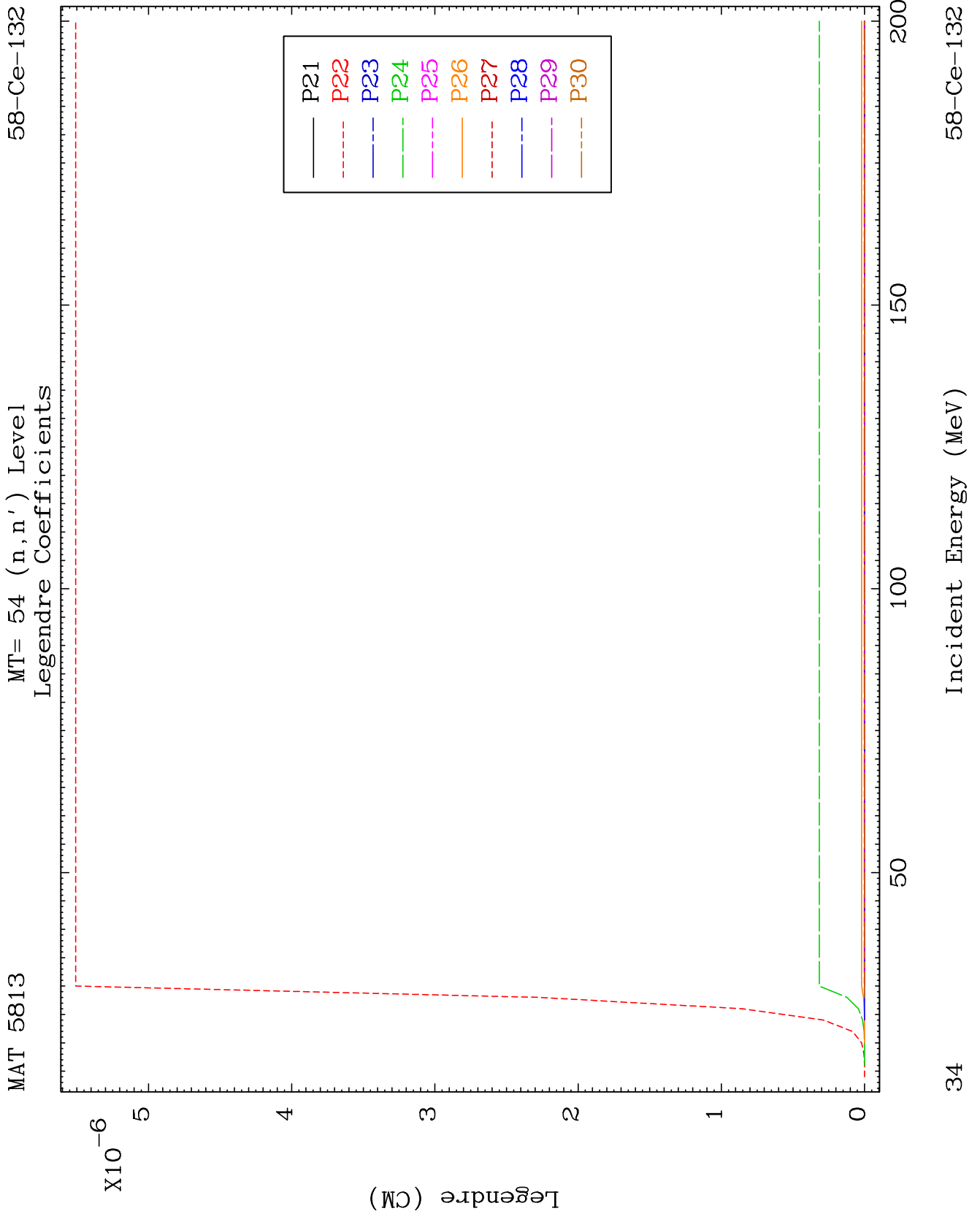
58-Ce-132

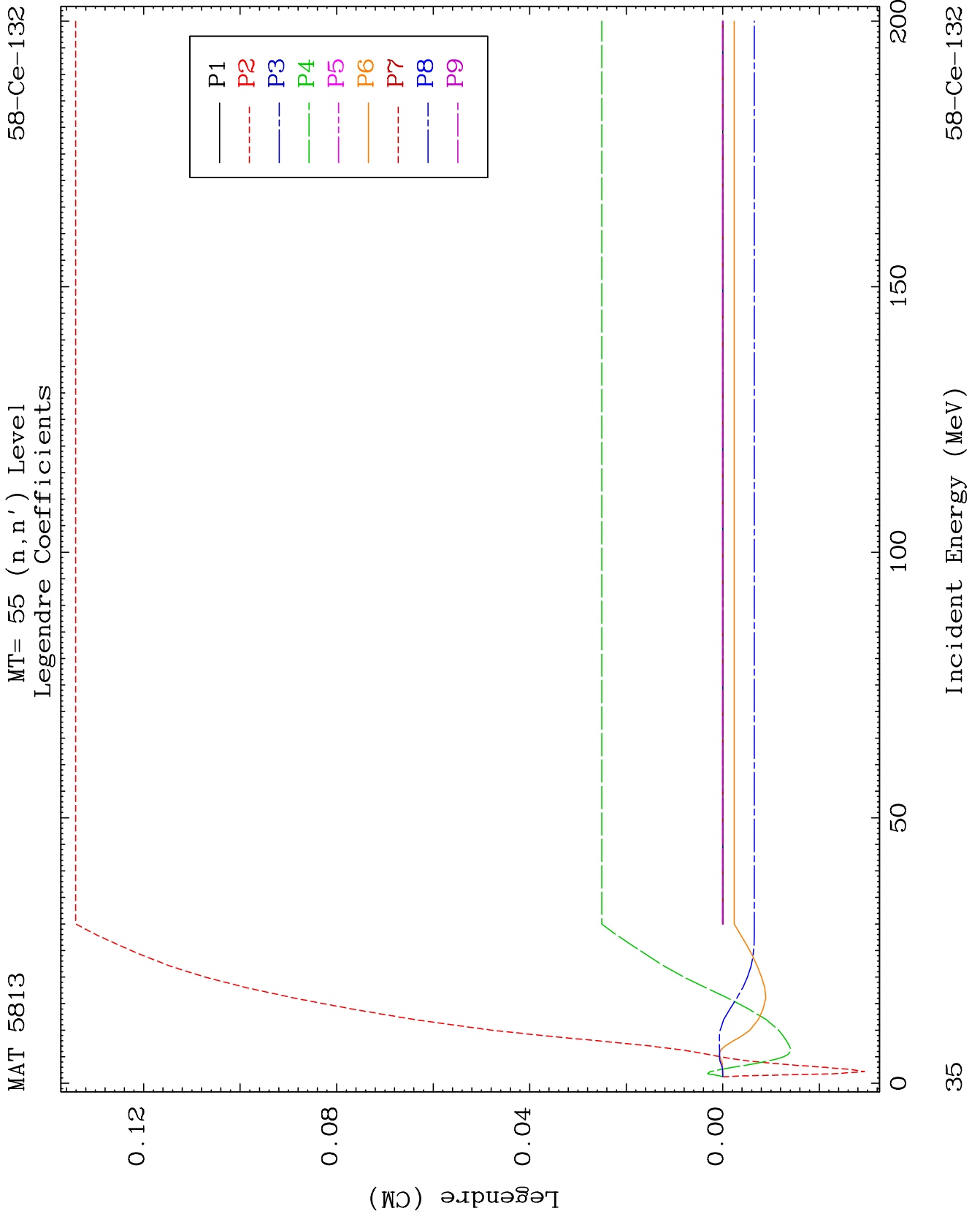


33

Incident Energy (MeV)

58-Ce-132

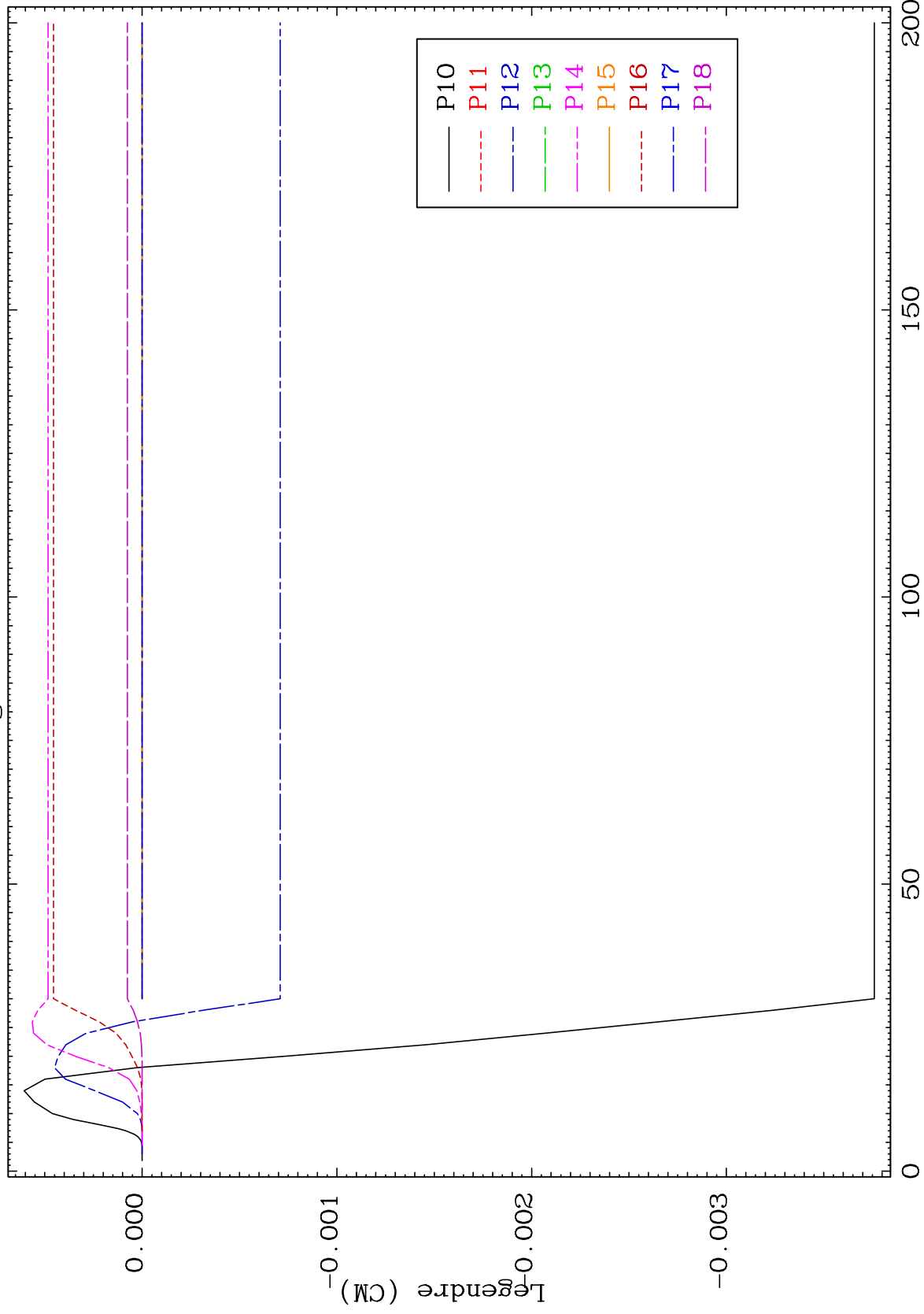




MAT 5813

58-Ce-132

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



36

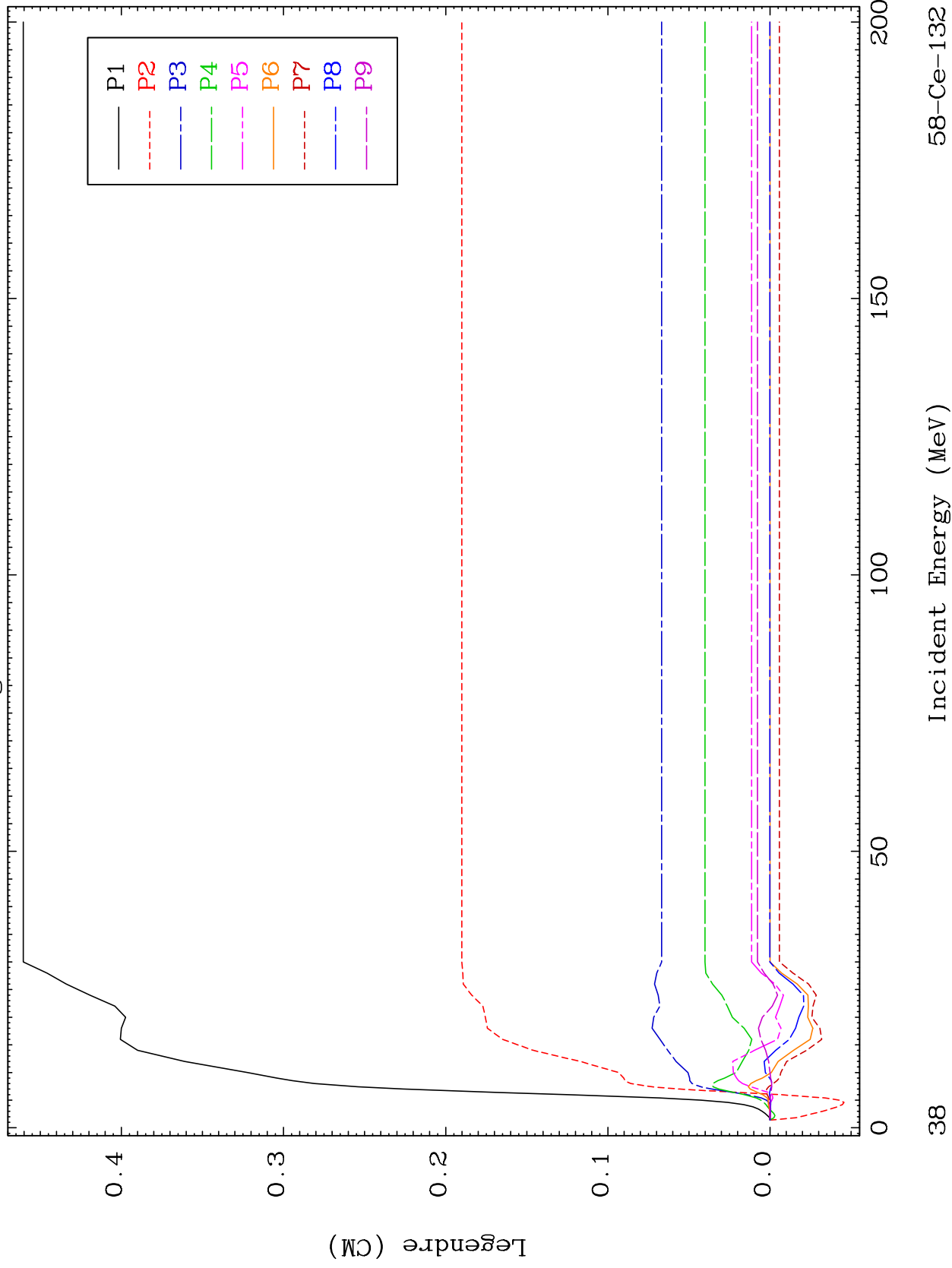
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



58-Ce-132

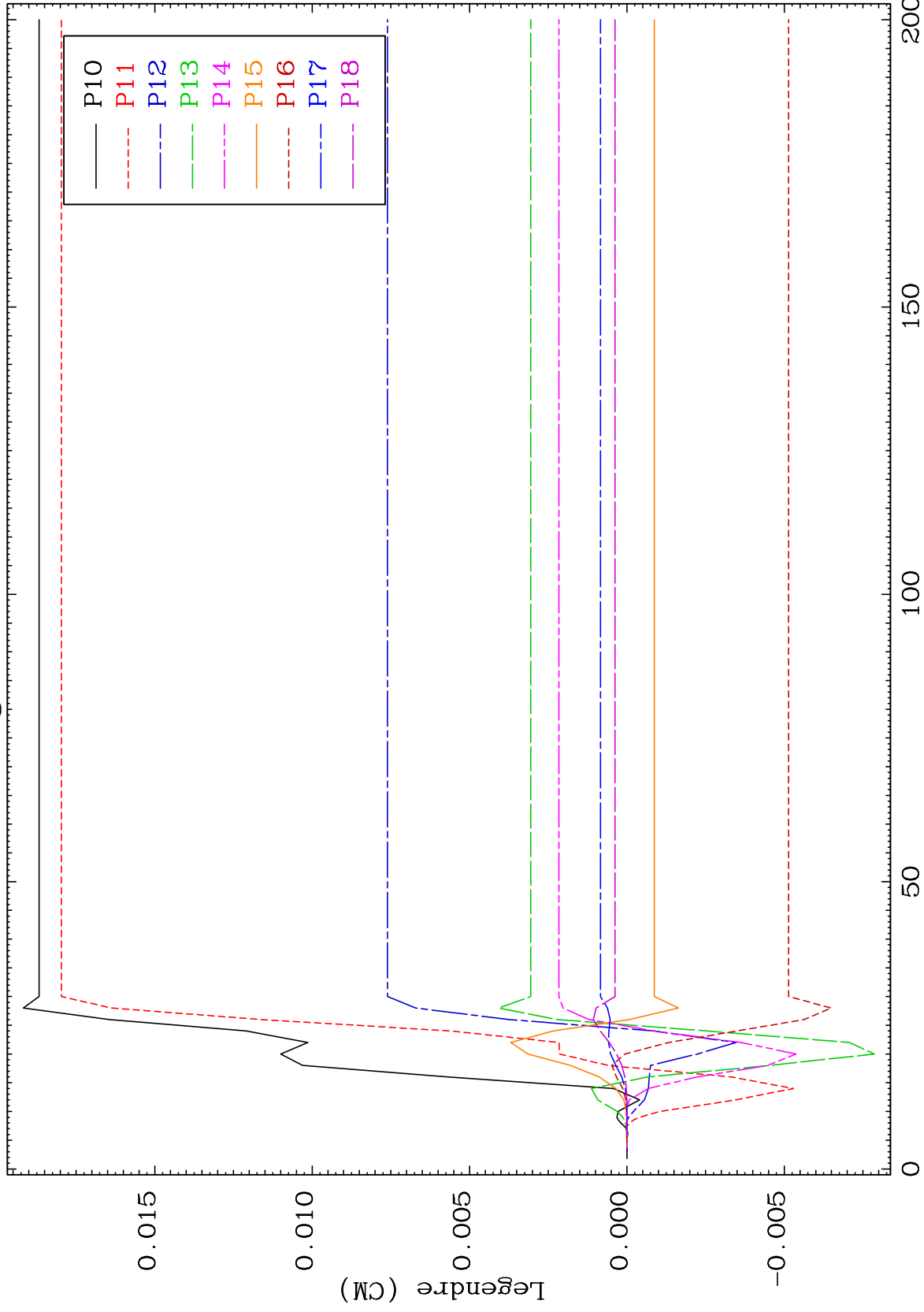
Incident Energy (MeV)

38

MAT 5813

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

58-Ce-132



39

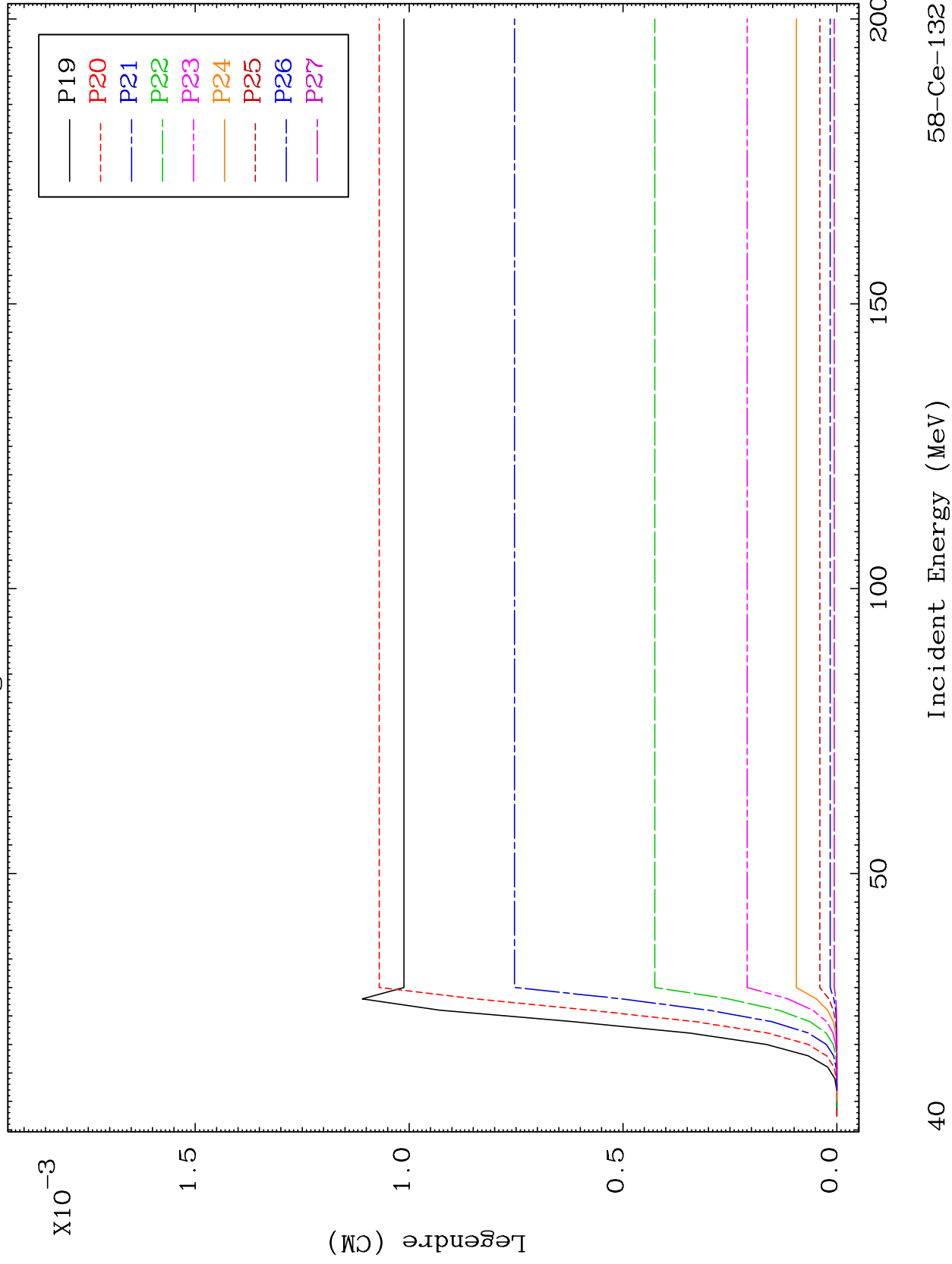
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

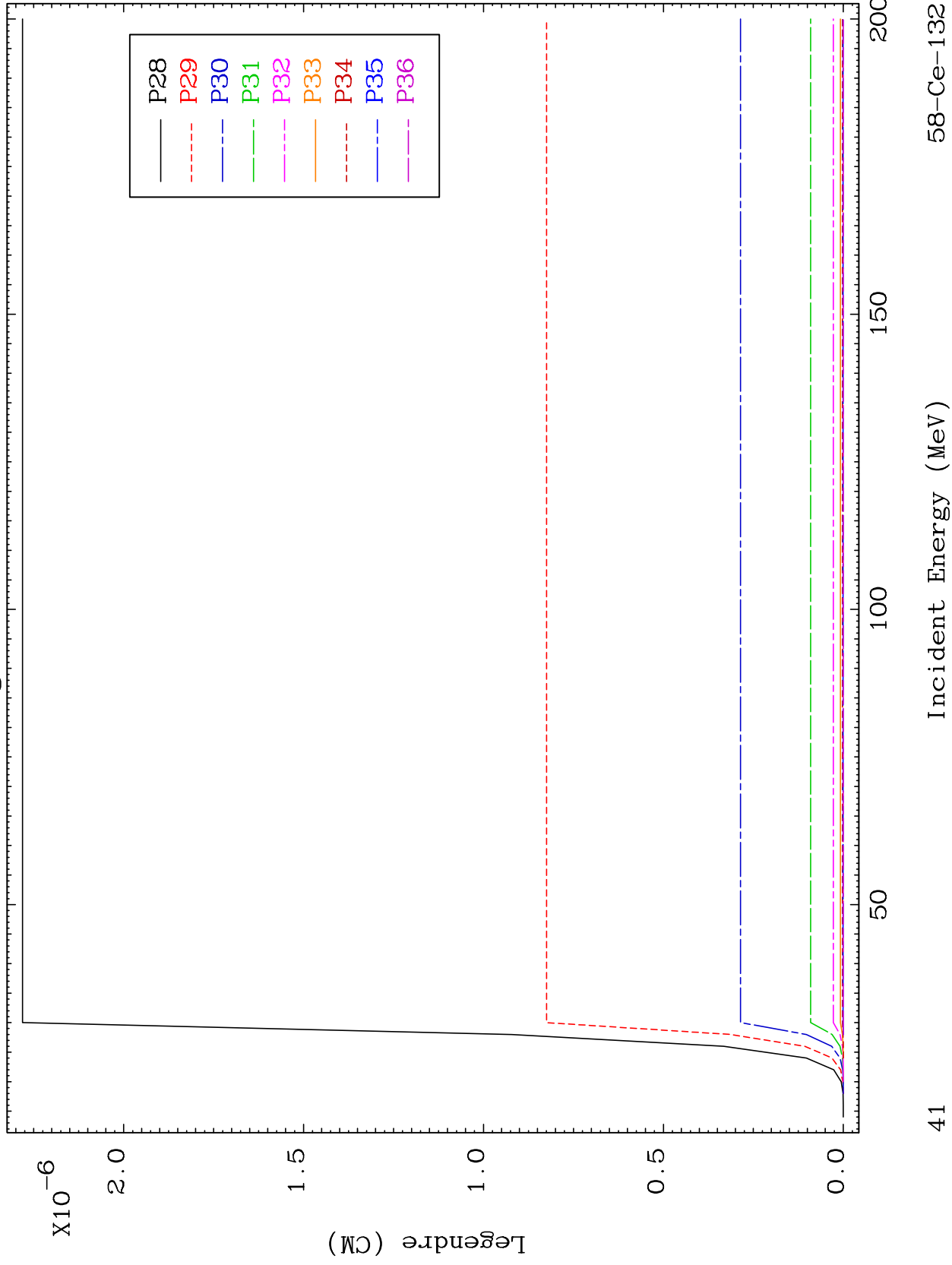
58-Ce-132



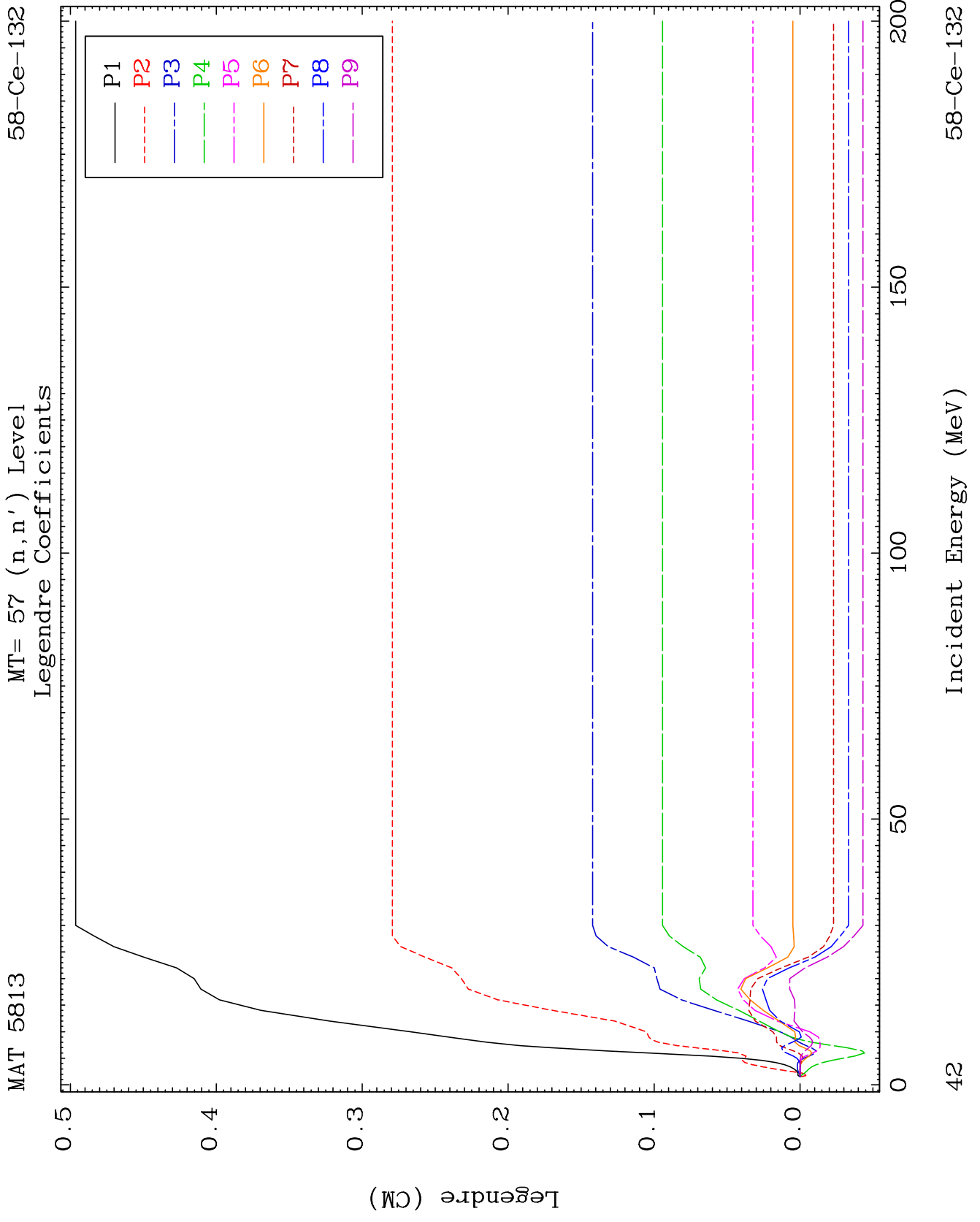
MAT 5813

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

58-Ce-132



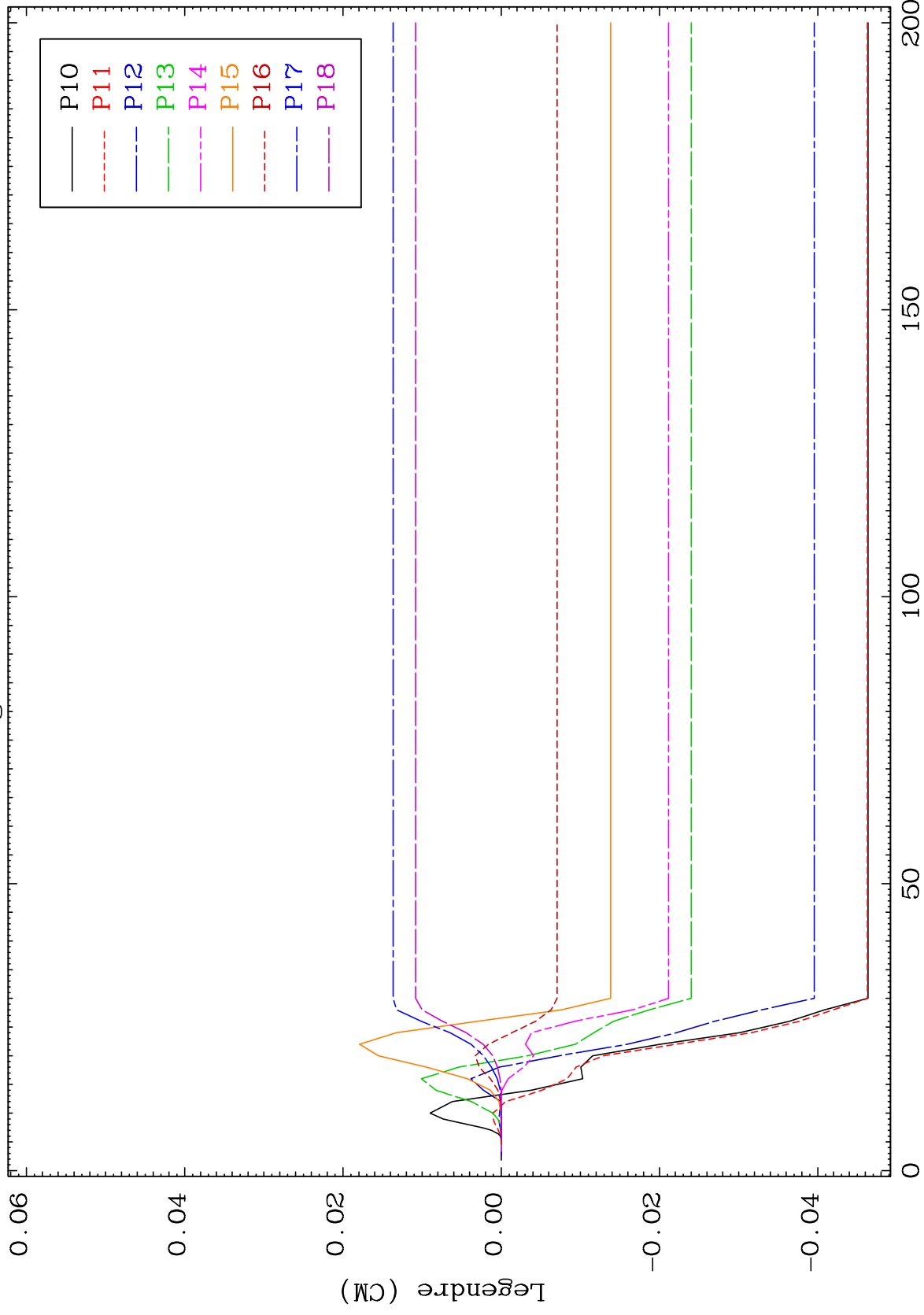
41



MAT 5813

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

58-Ce-132



43

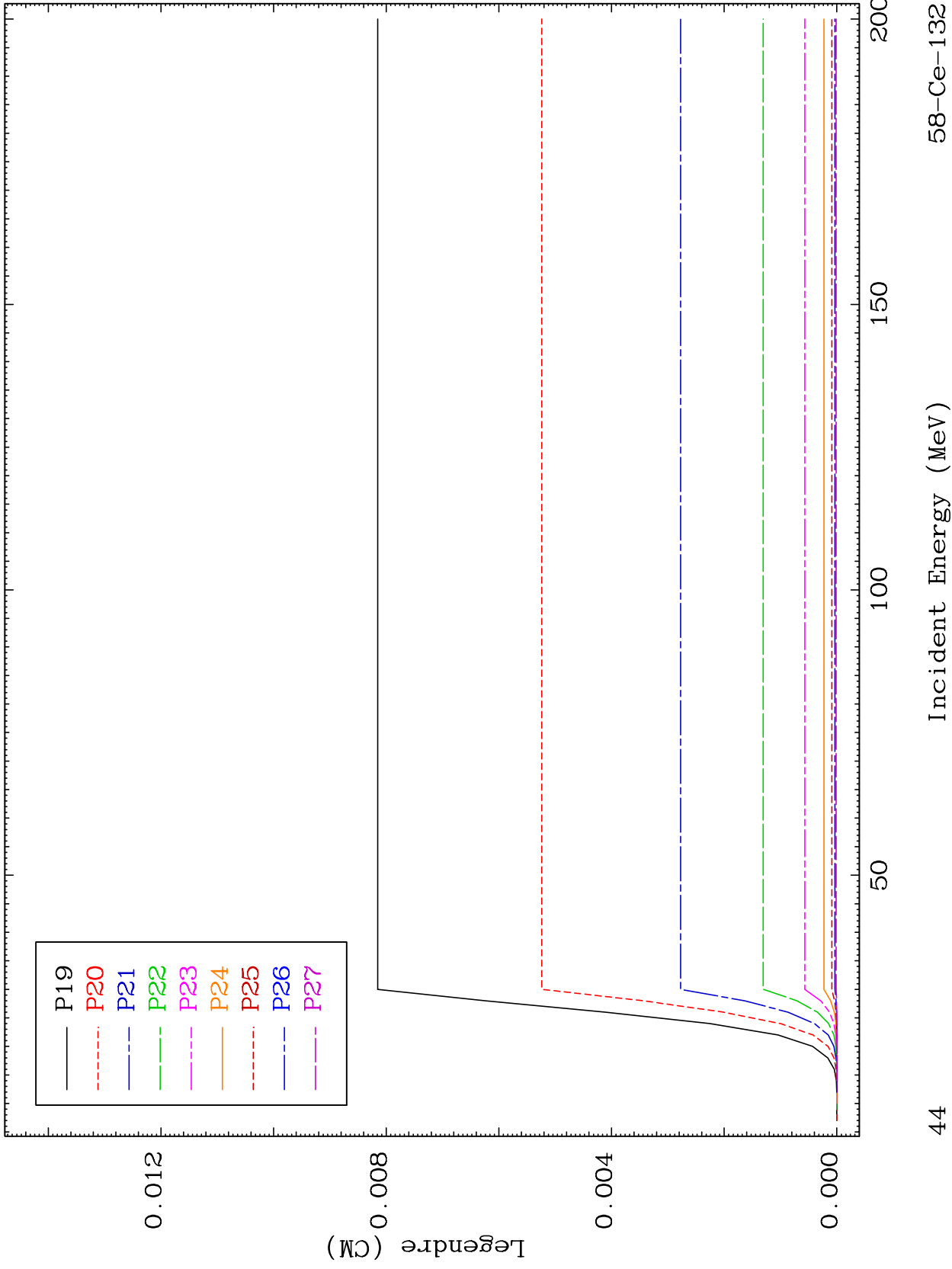
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



44

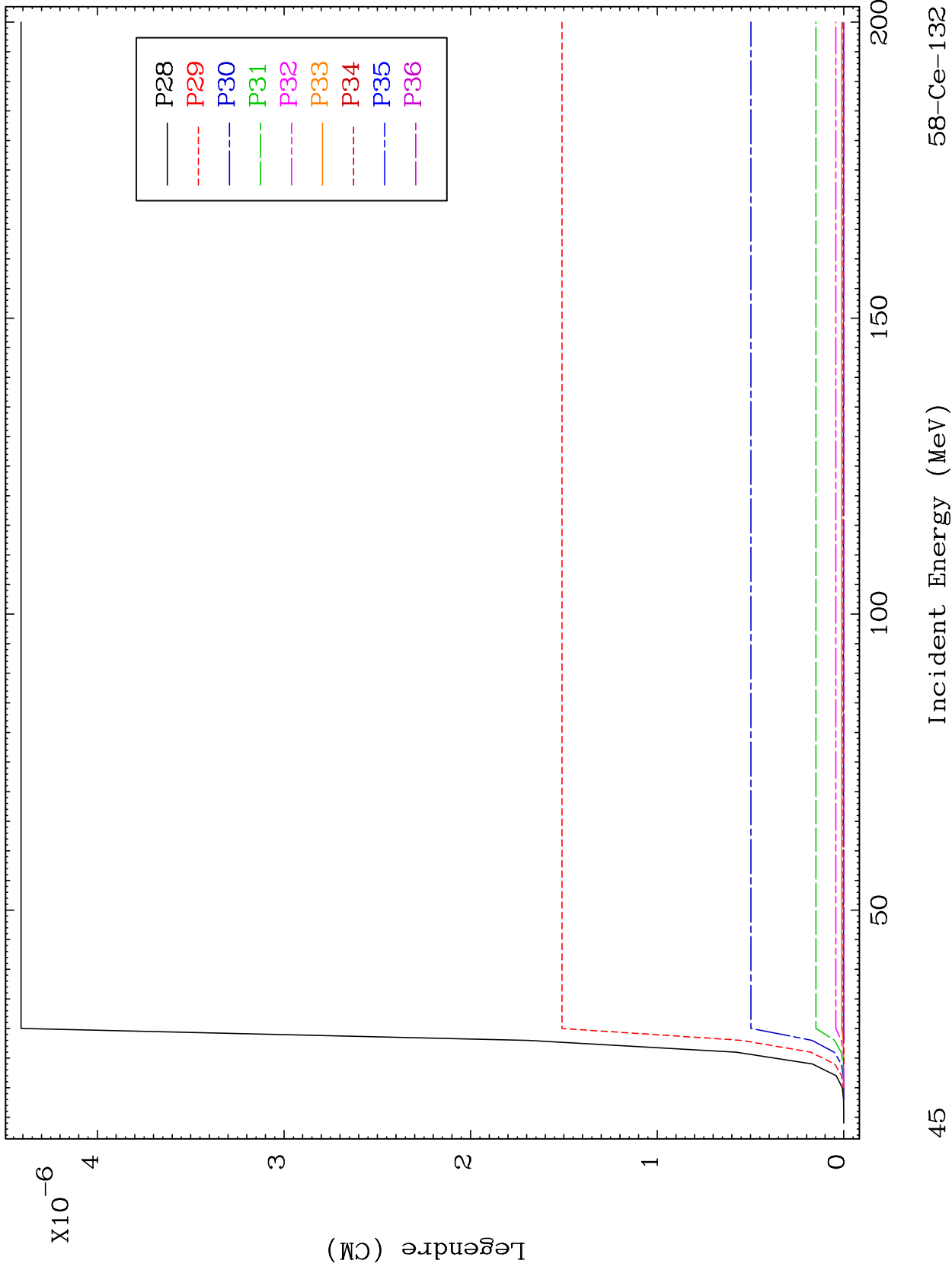
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

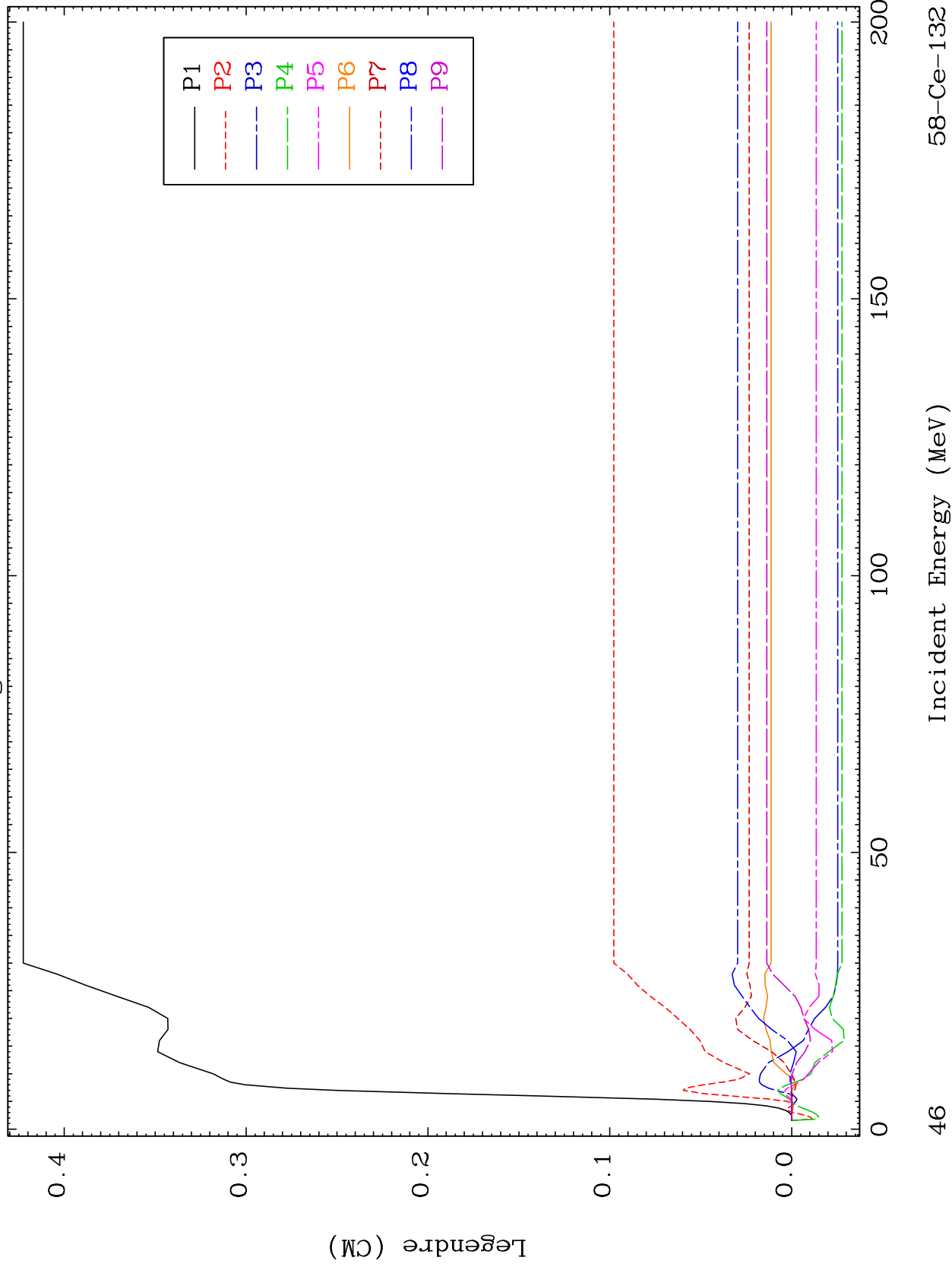
58-Ce-132



MAT 5813

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

58-Ce-132



58-Ce-132

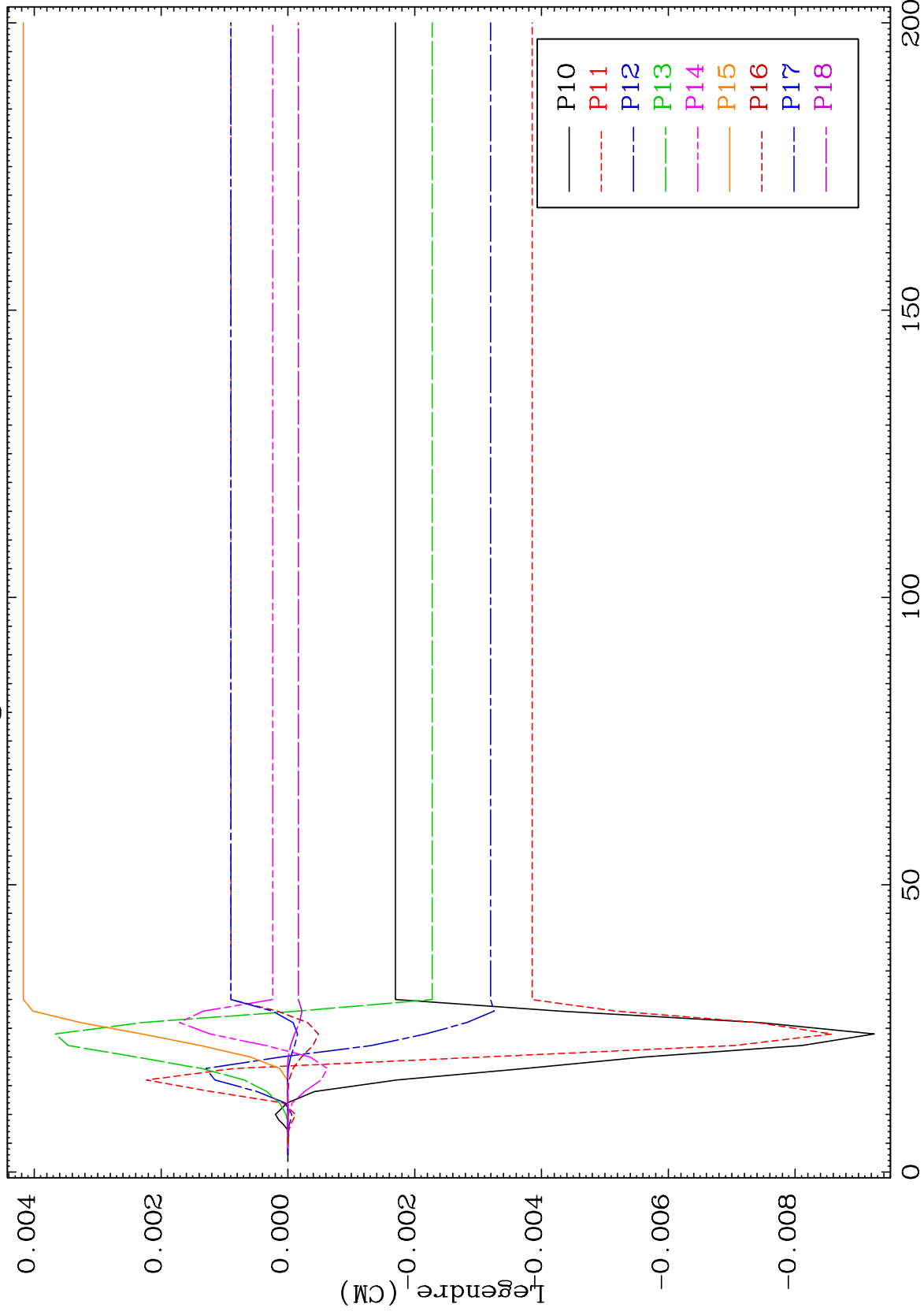
Incident Energy (MeV)

46

MAT 5813

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

58-Ce-132



47

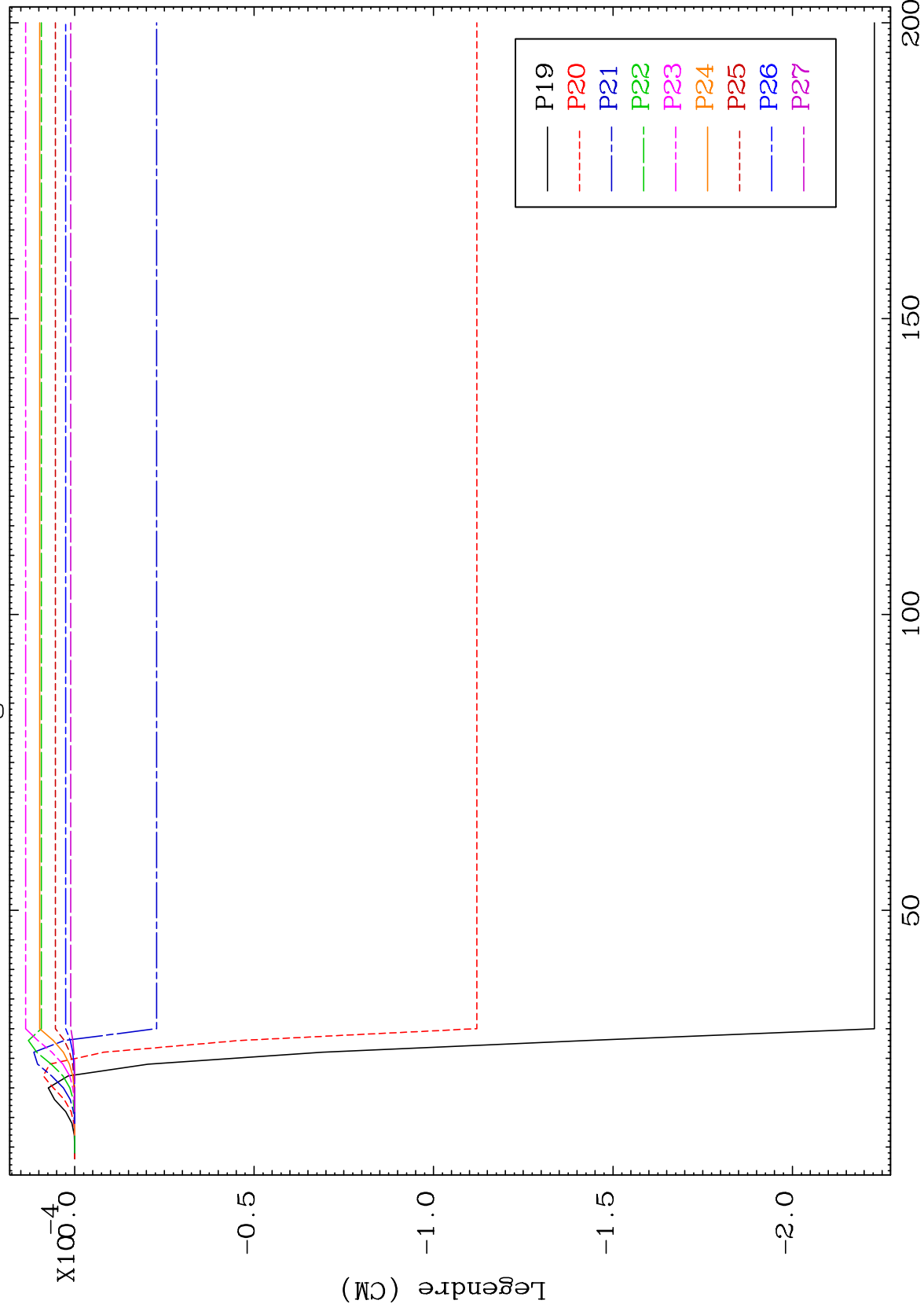
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



48

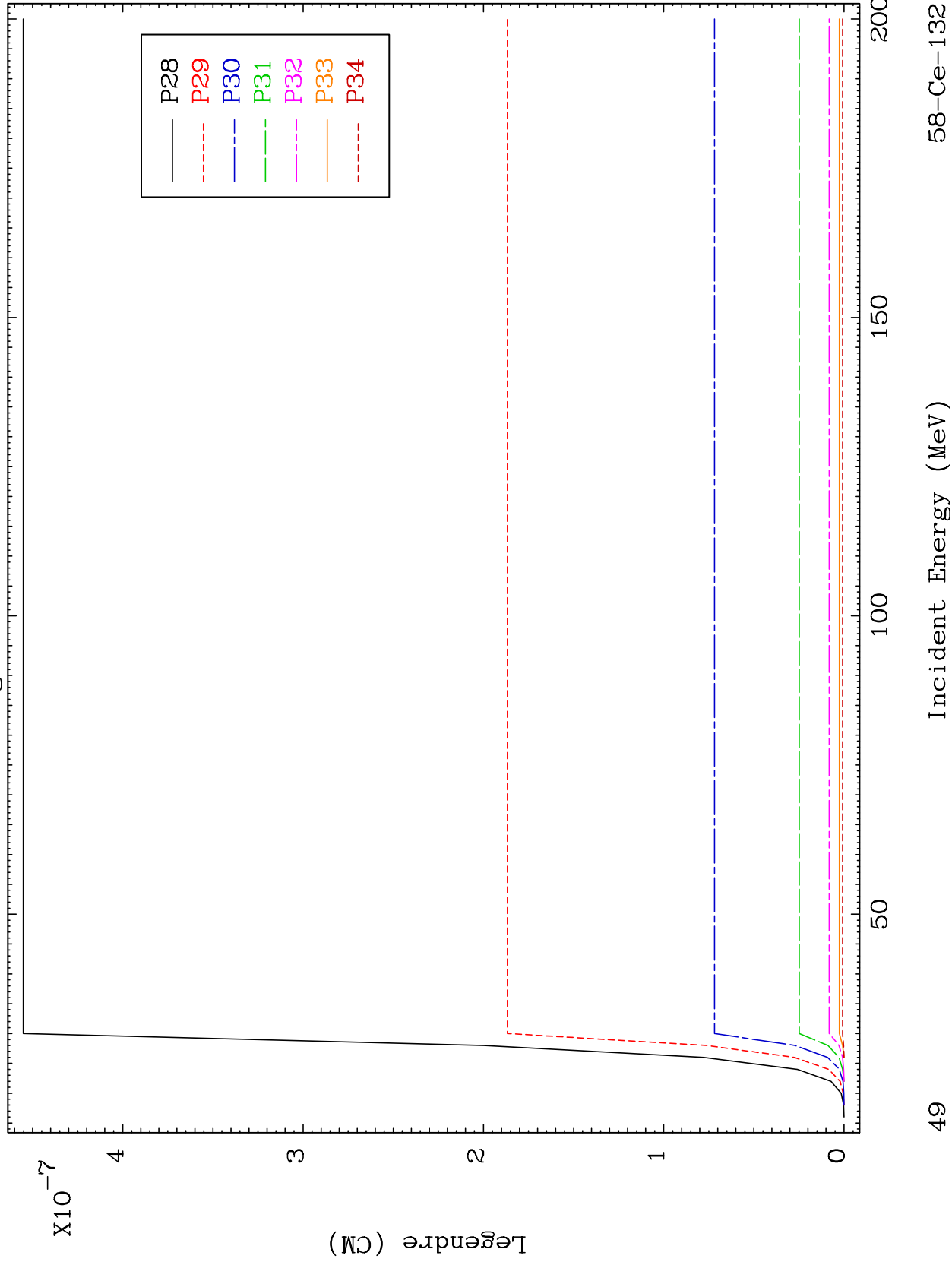
Incident Energy (MeV)

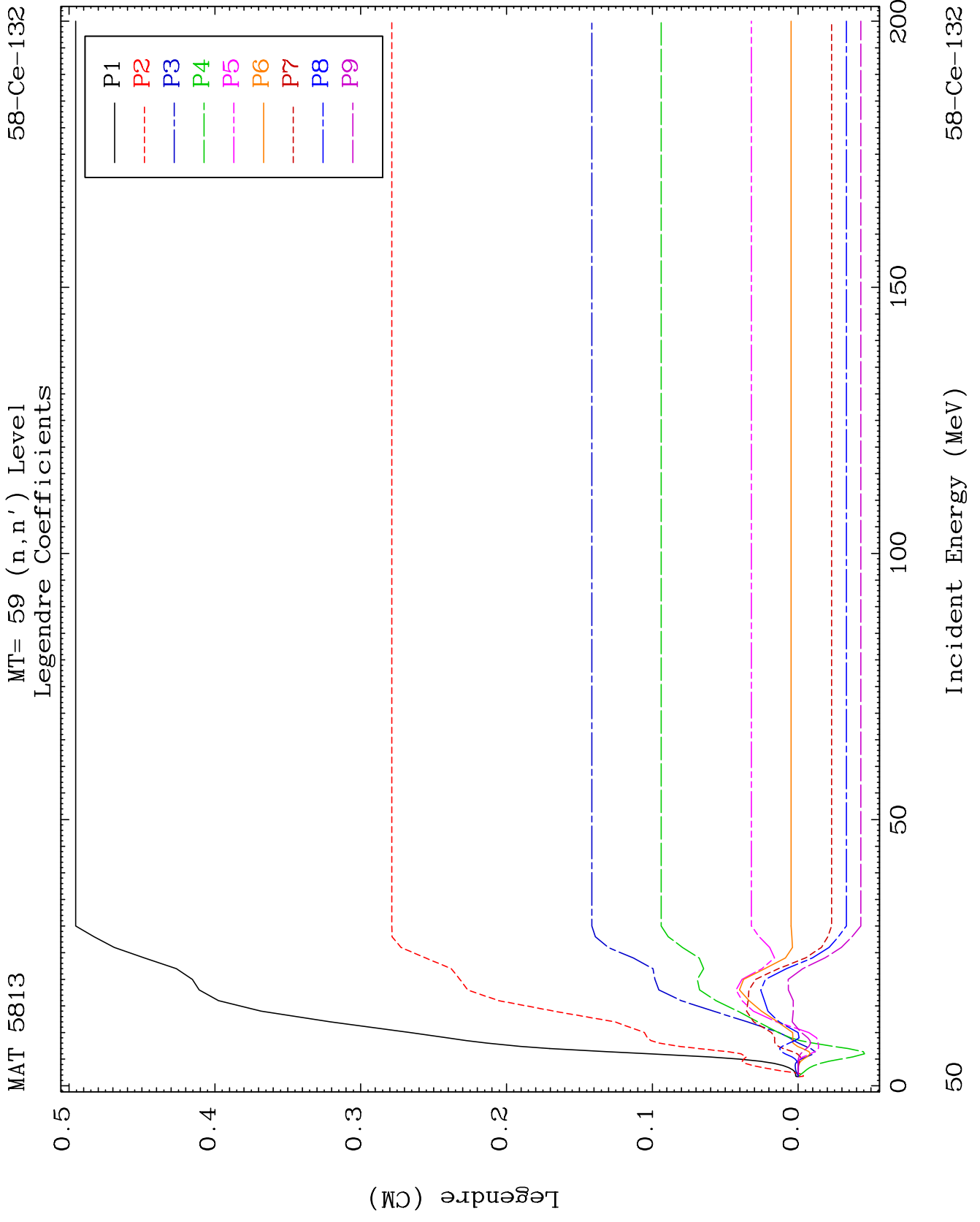
58-Ce-132

MAT 5813

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

58-Ce-132

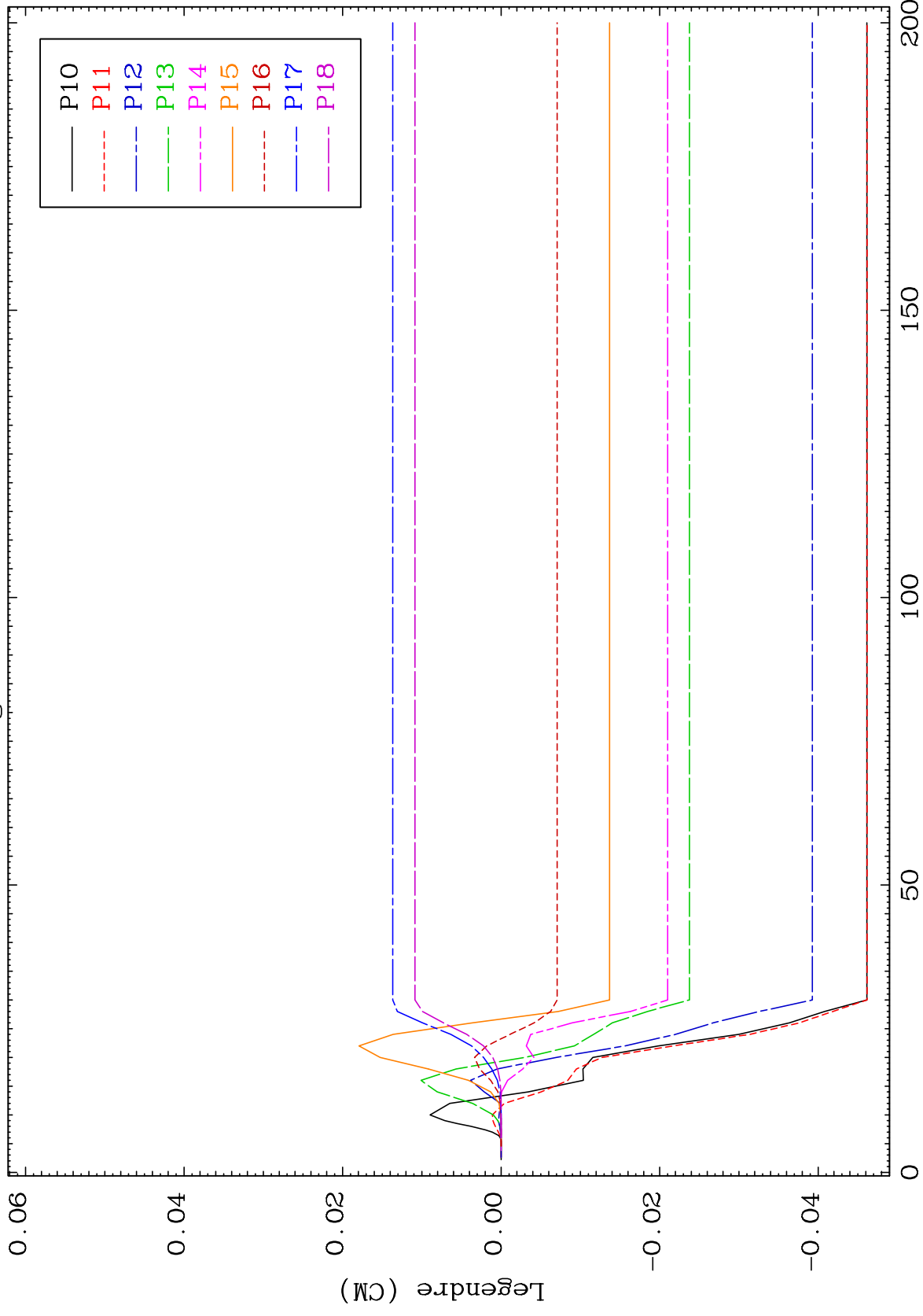




MAT 5813

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

58-Ce-132



51

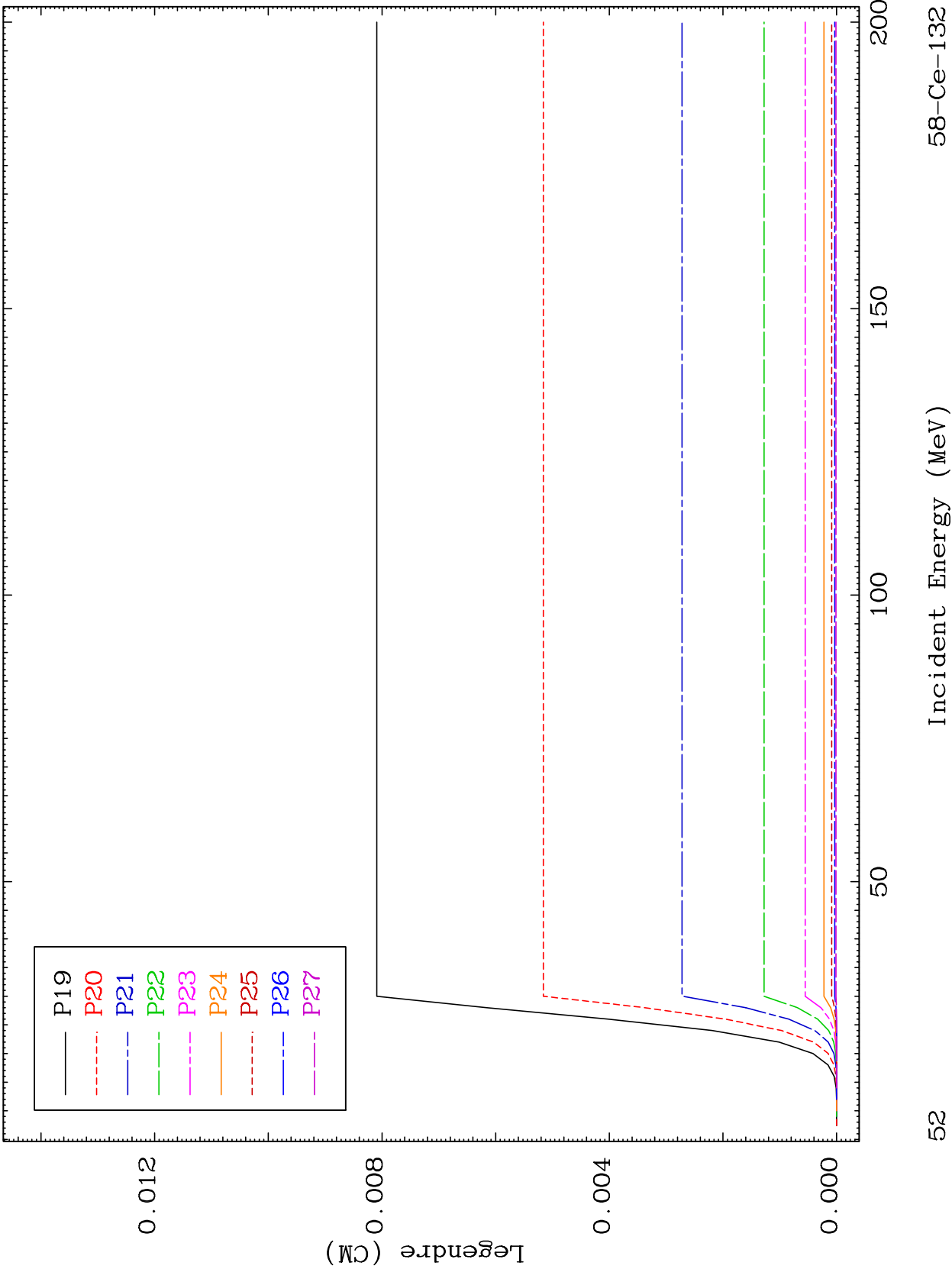
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



52

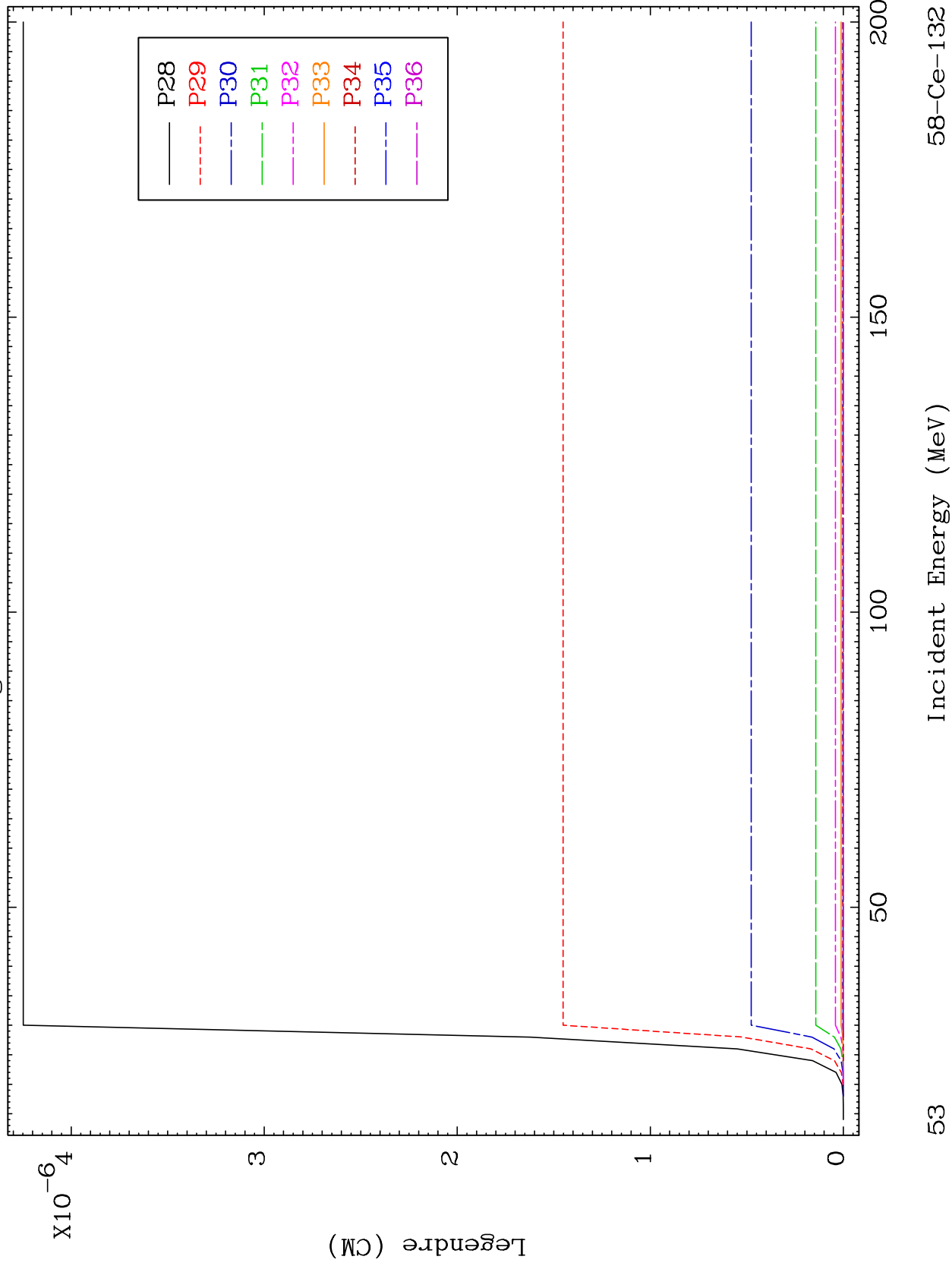
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

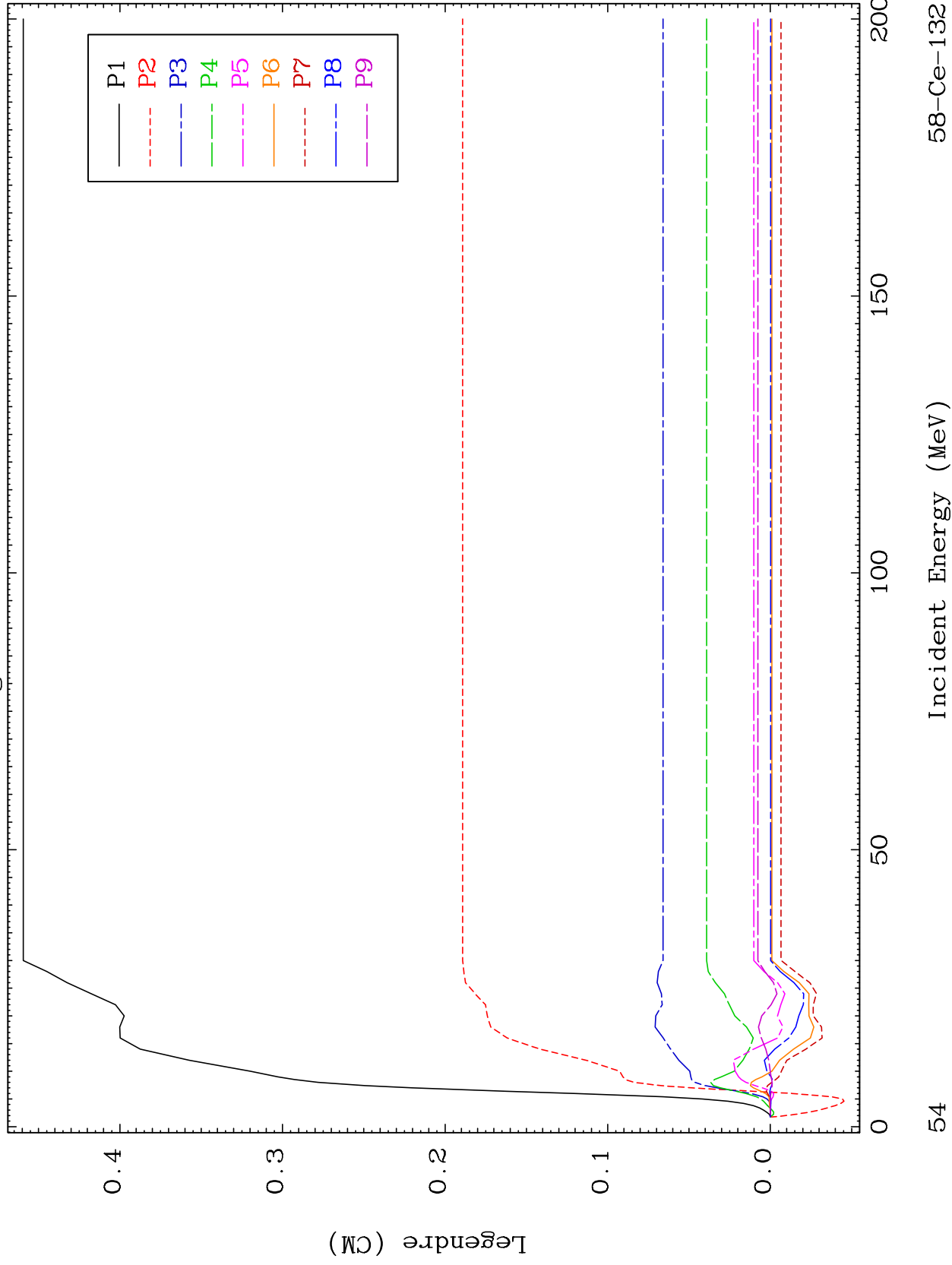
58-Ce-132



MAT 5813

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

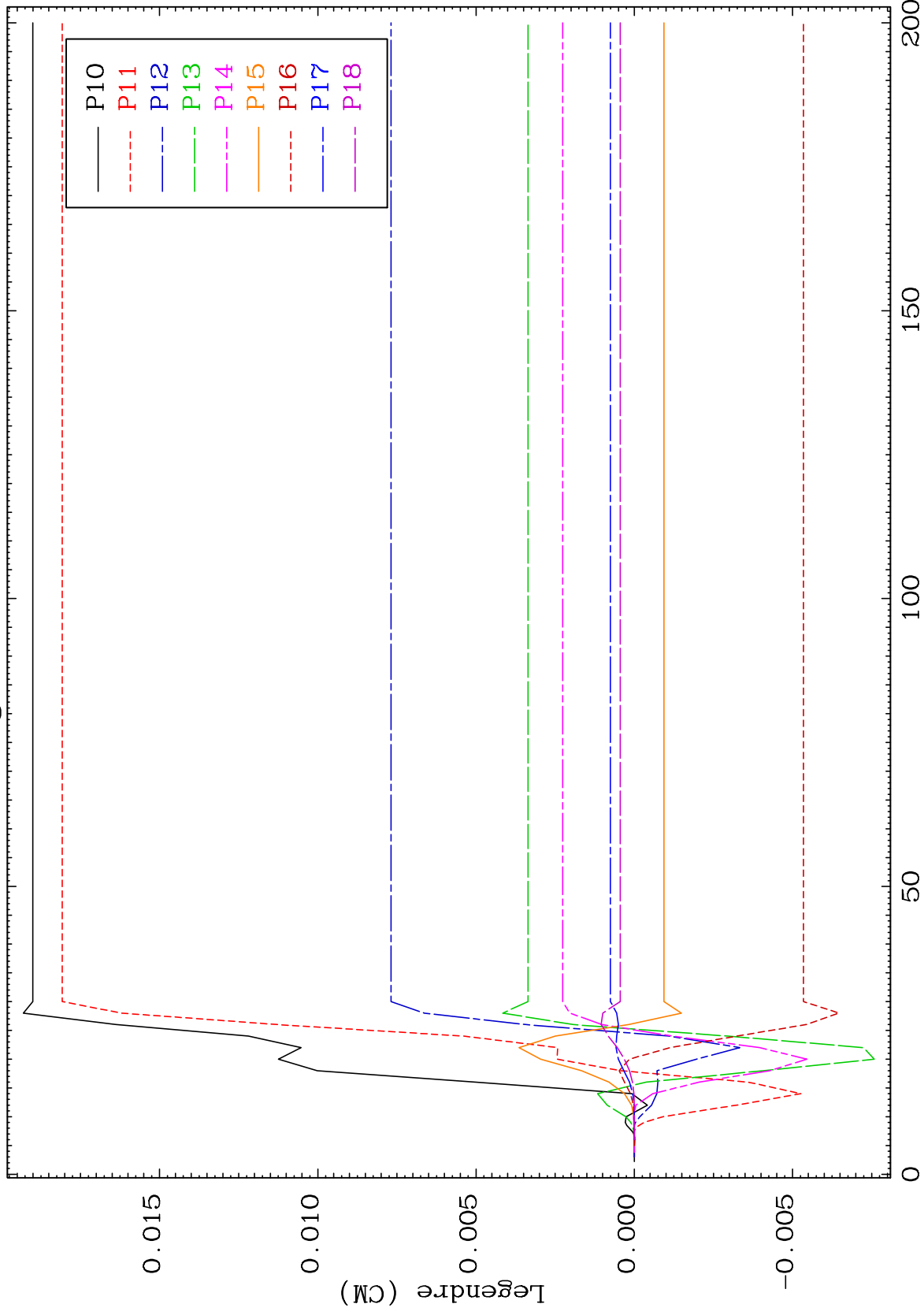
58-Ce-132



MAT 5813

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

58-Ce-132



55

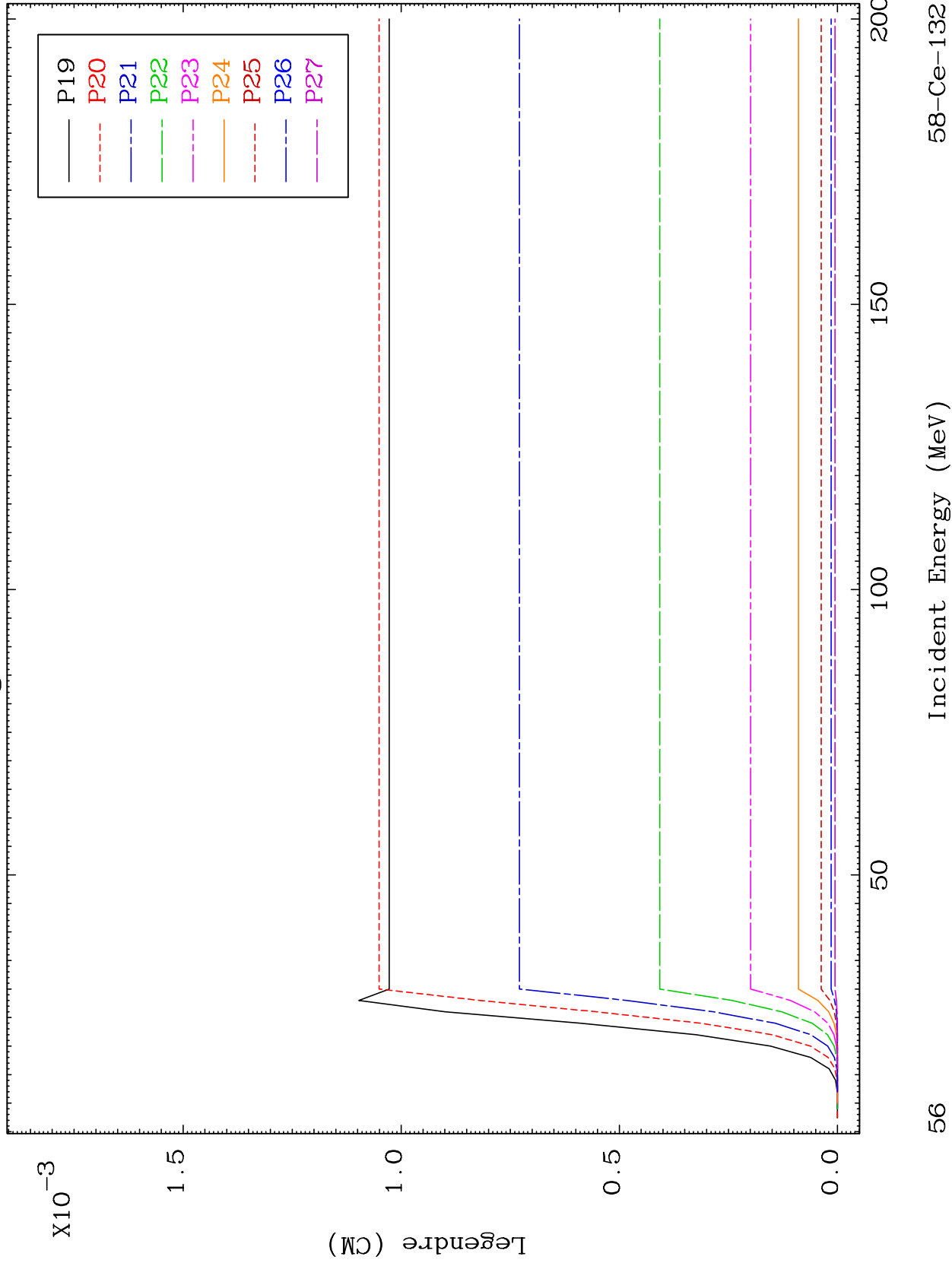
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



56

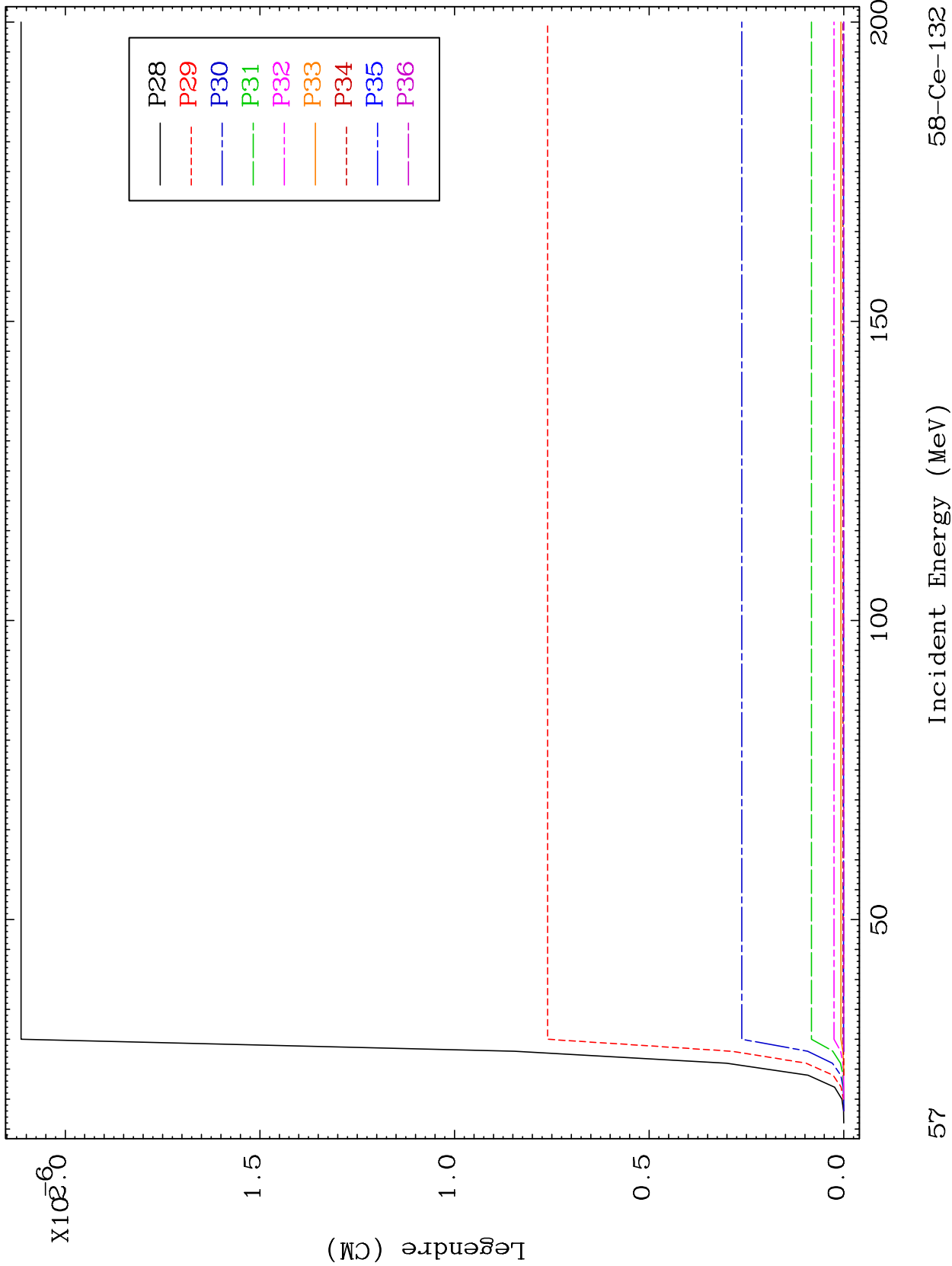
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

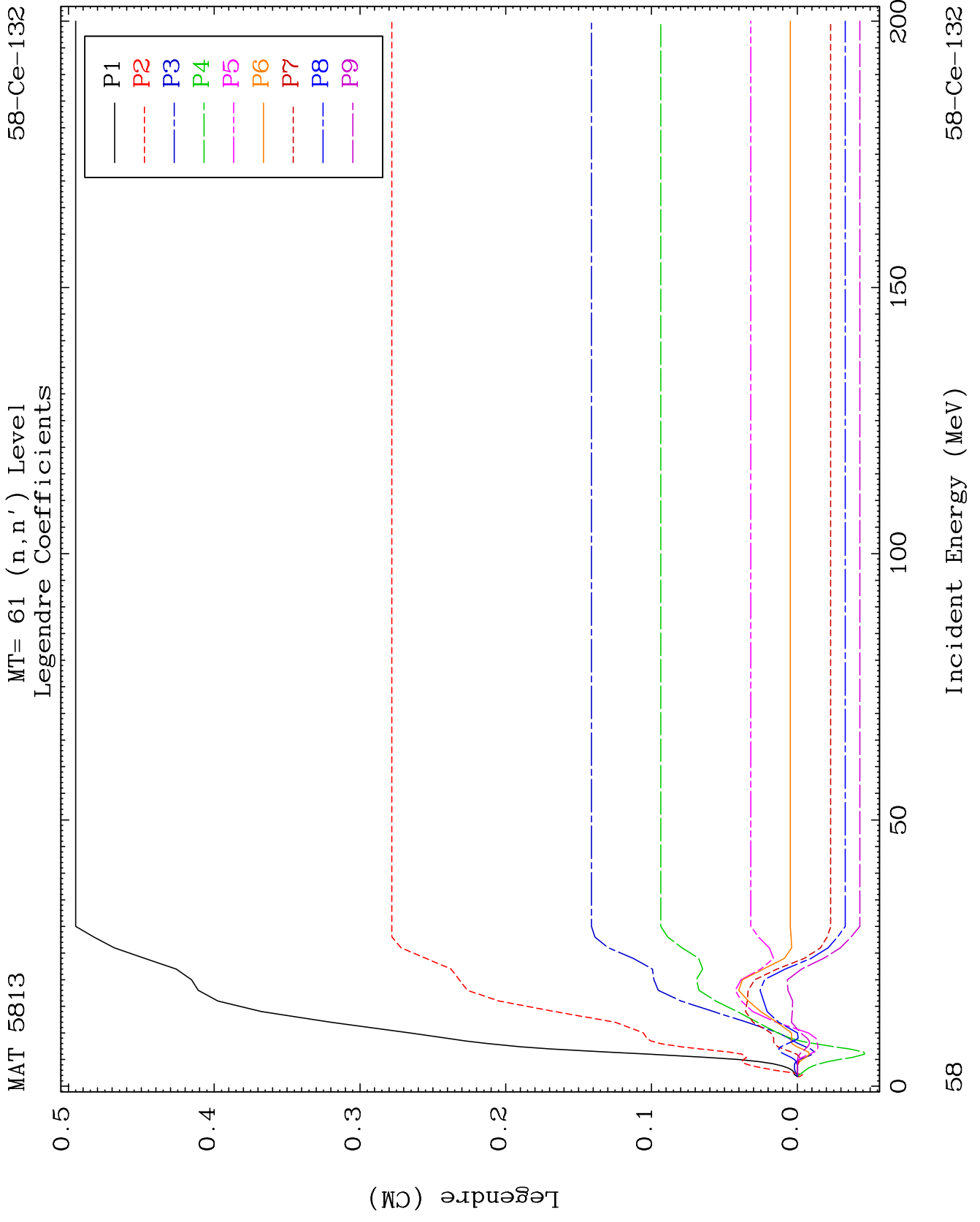
58-Ce-132

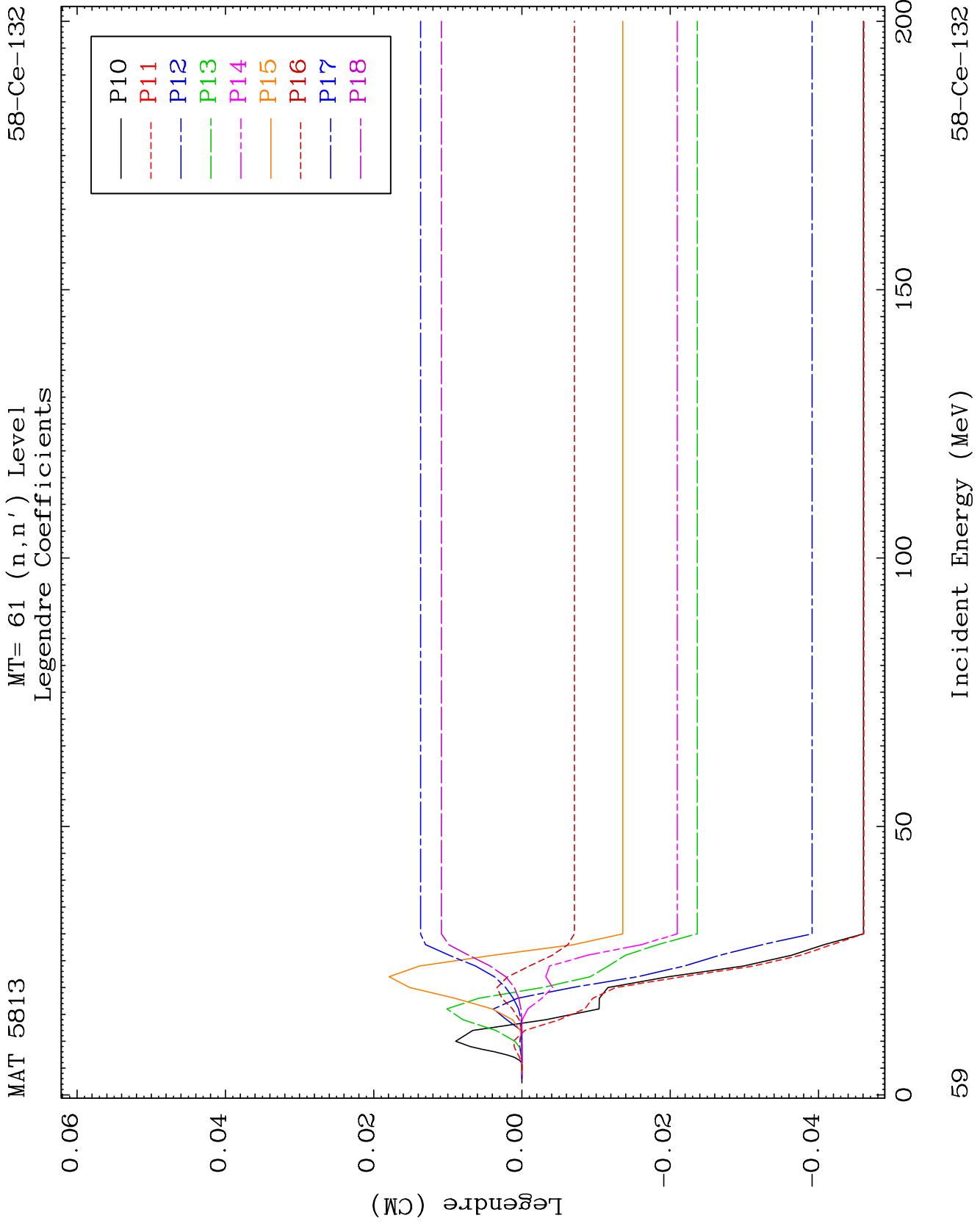


57

Incident Energy (MeV)

58-Ce-132

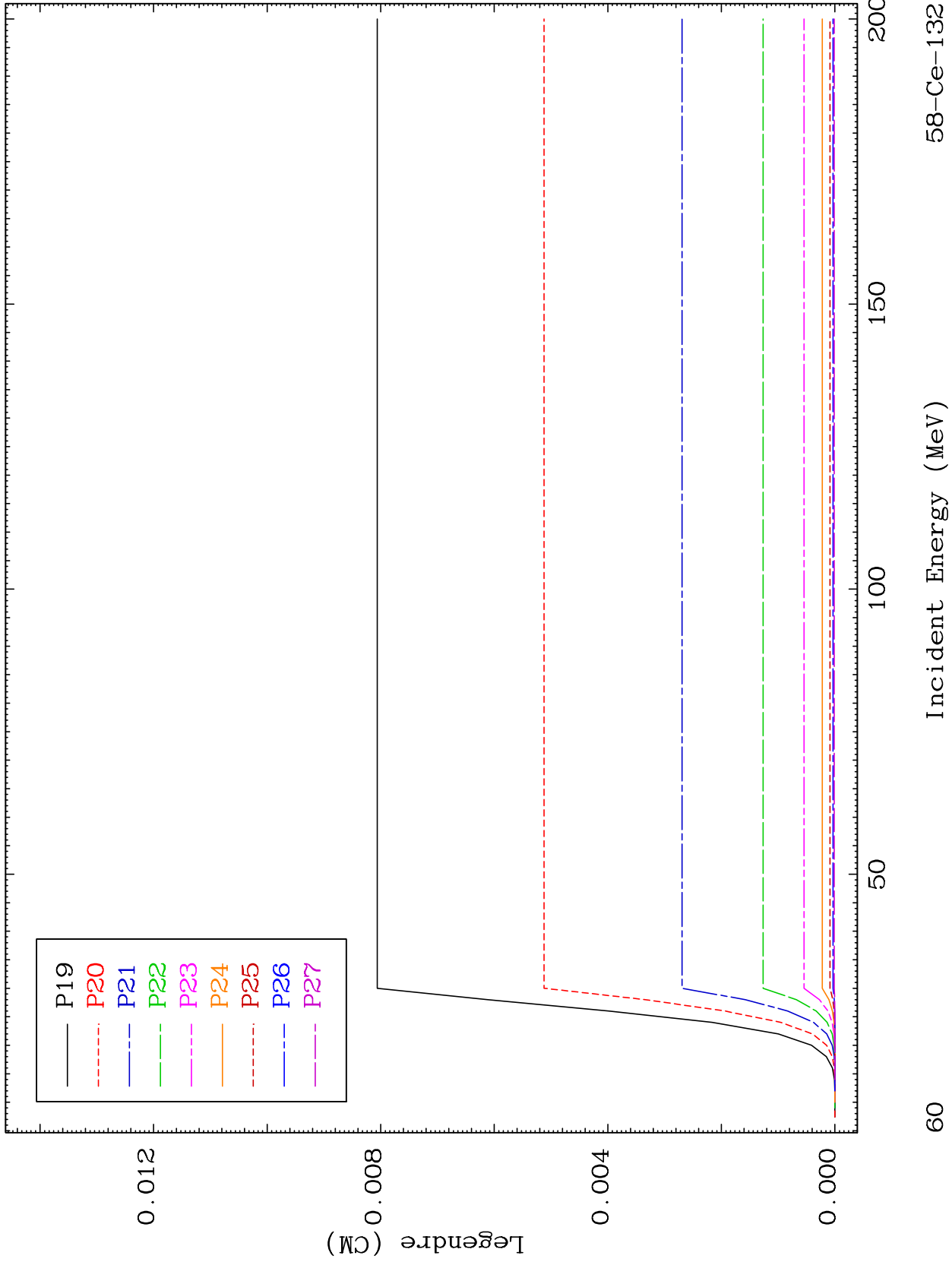




MAT 5813

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

58-Ce-132



58-Ce-132

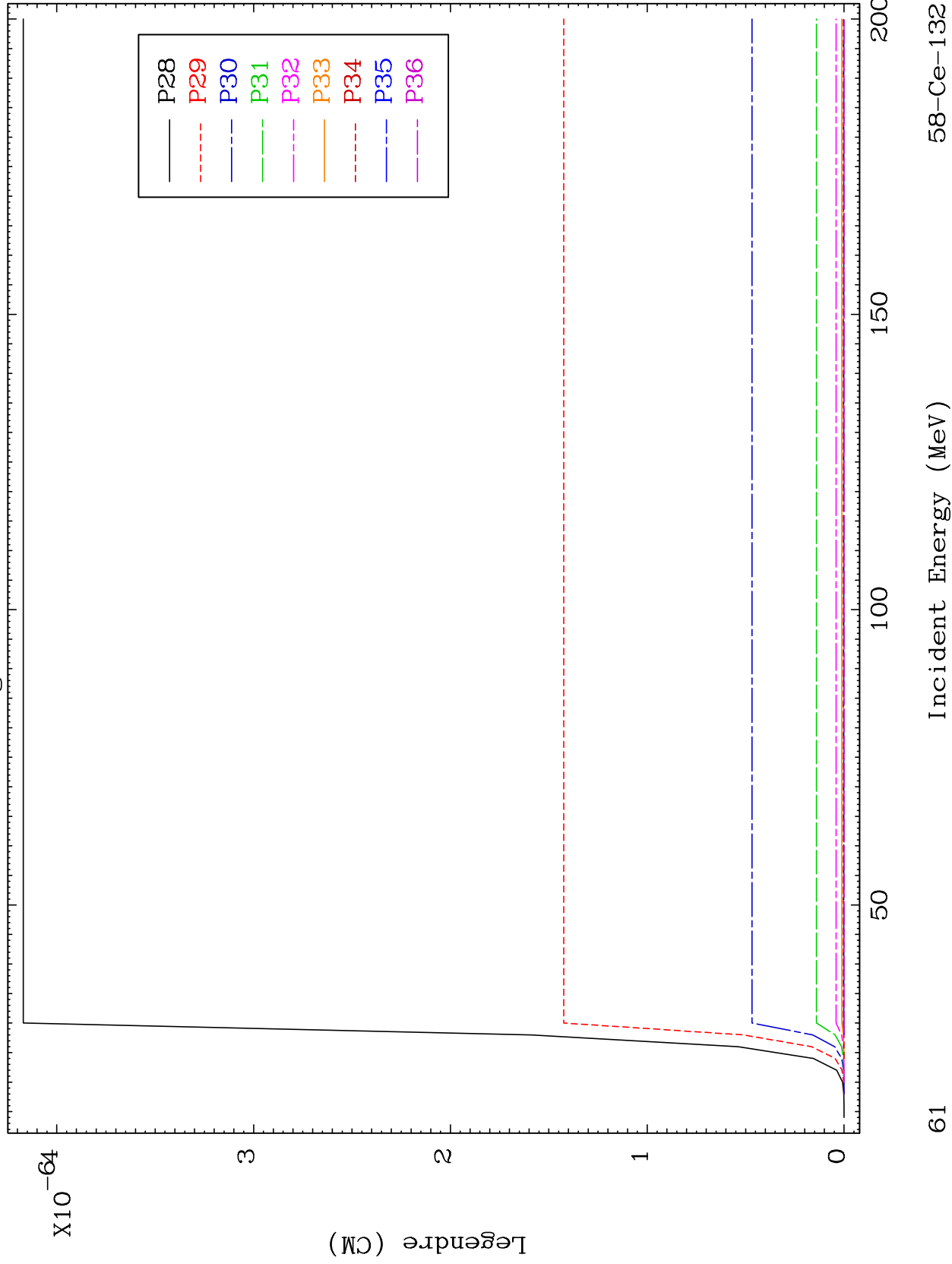
Incident Energy (MeV)

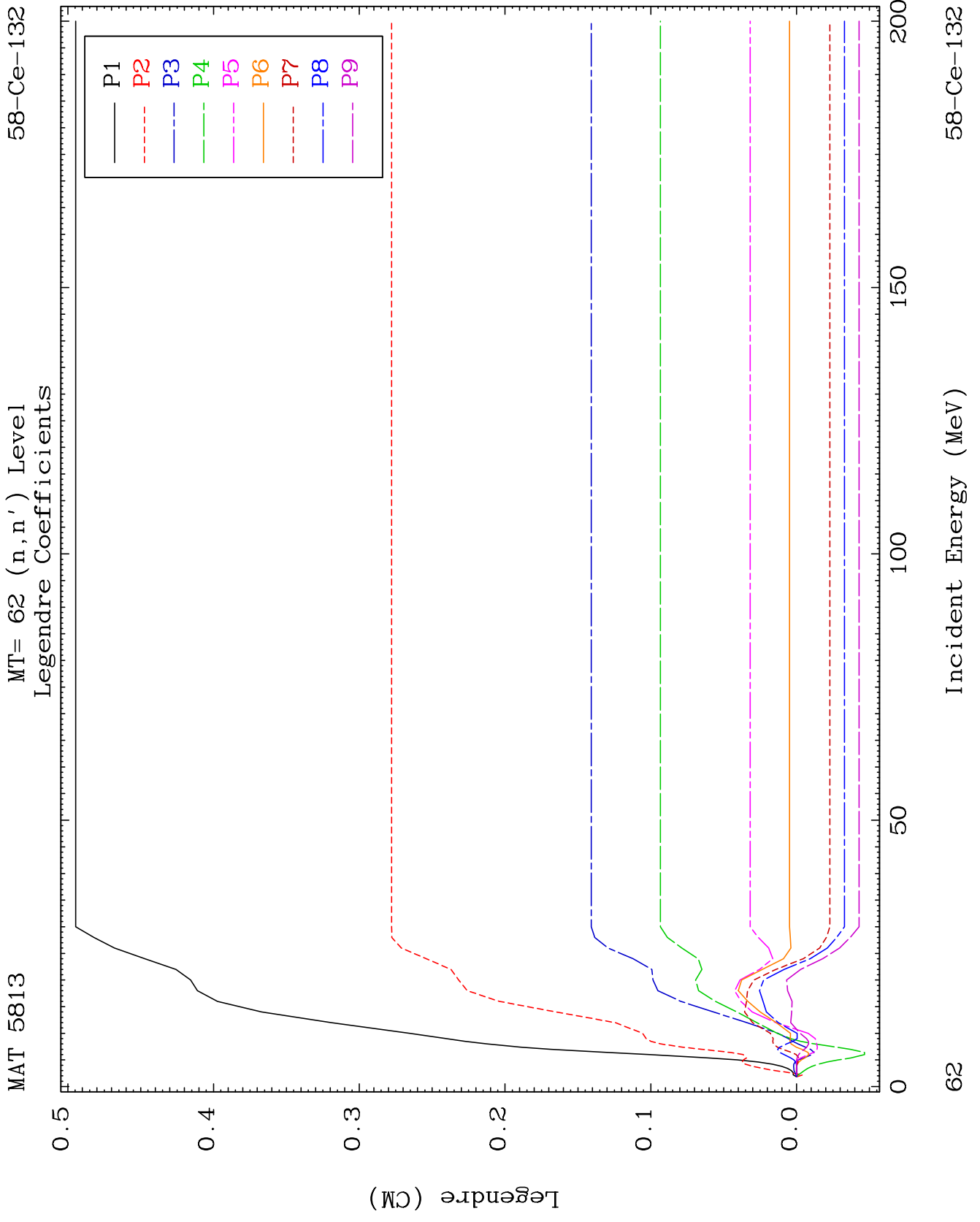
60

MAT 5813

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

58-Ce-132

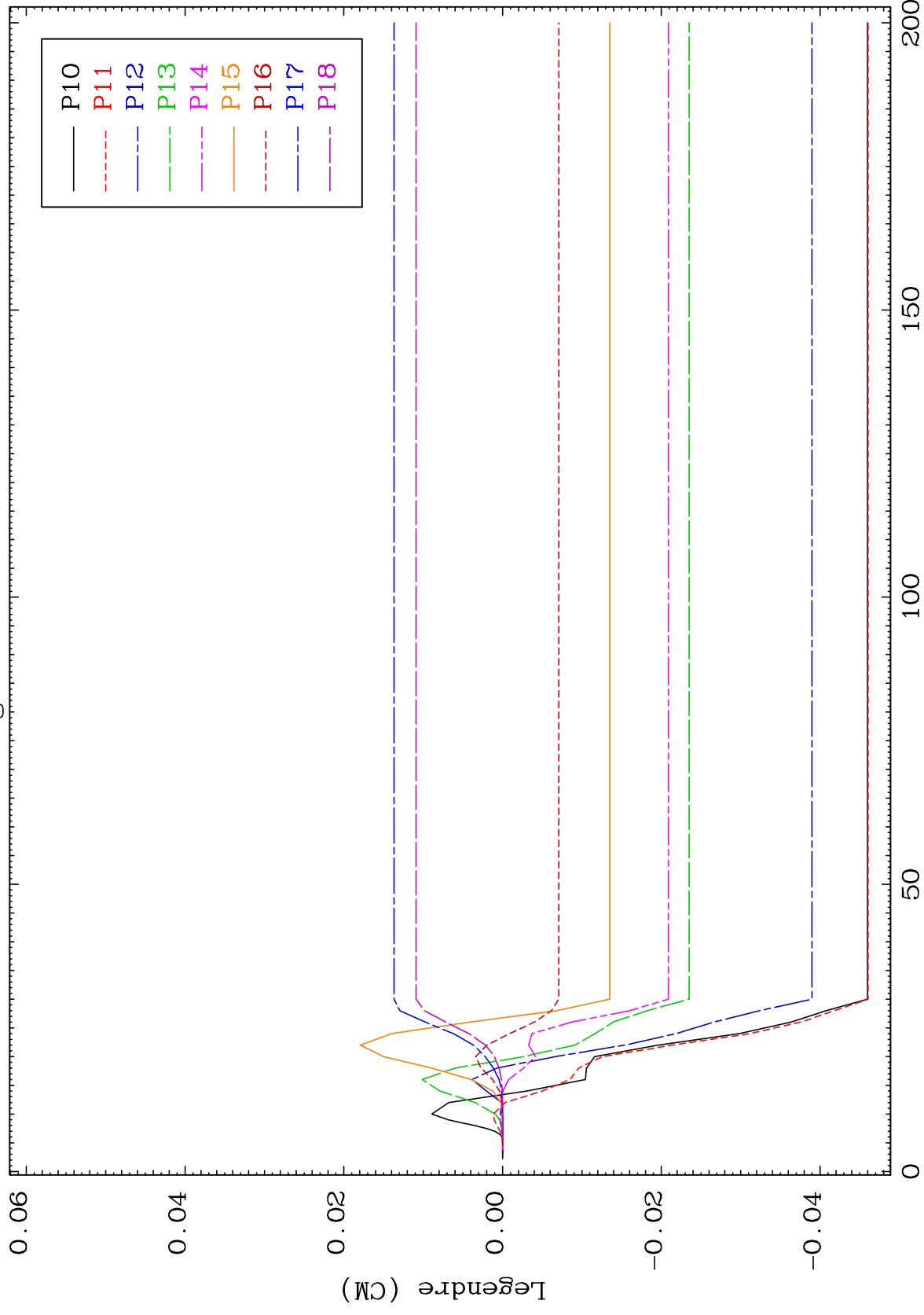




MAT 5813

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

58-Ce-132



63

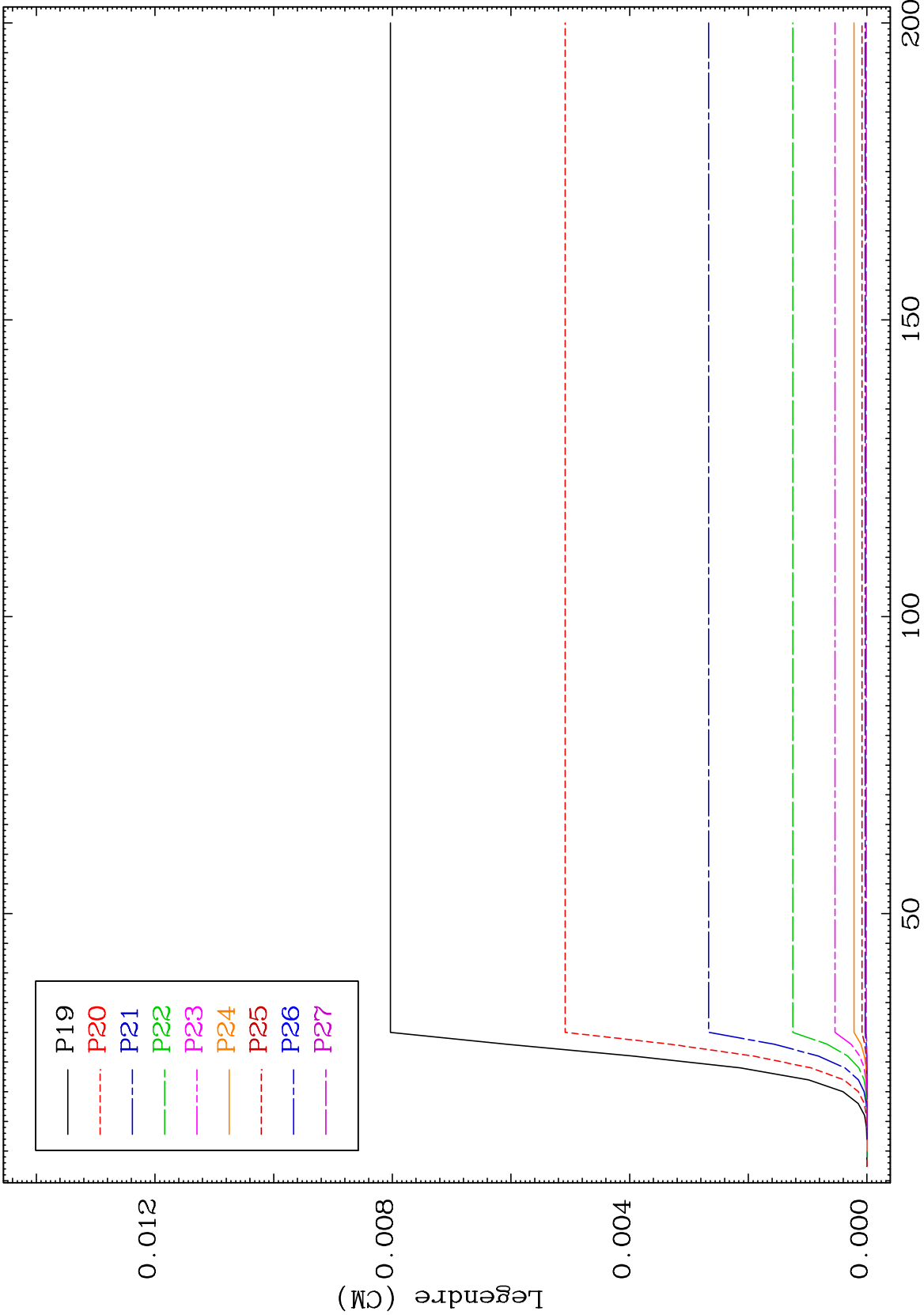
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



64

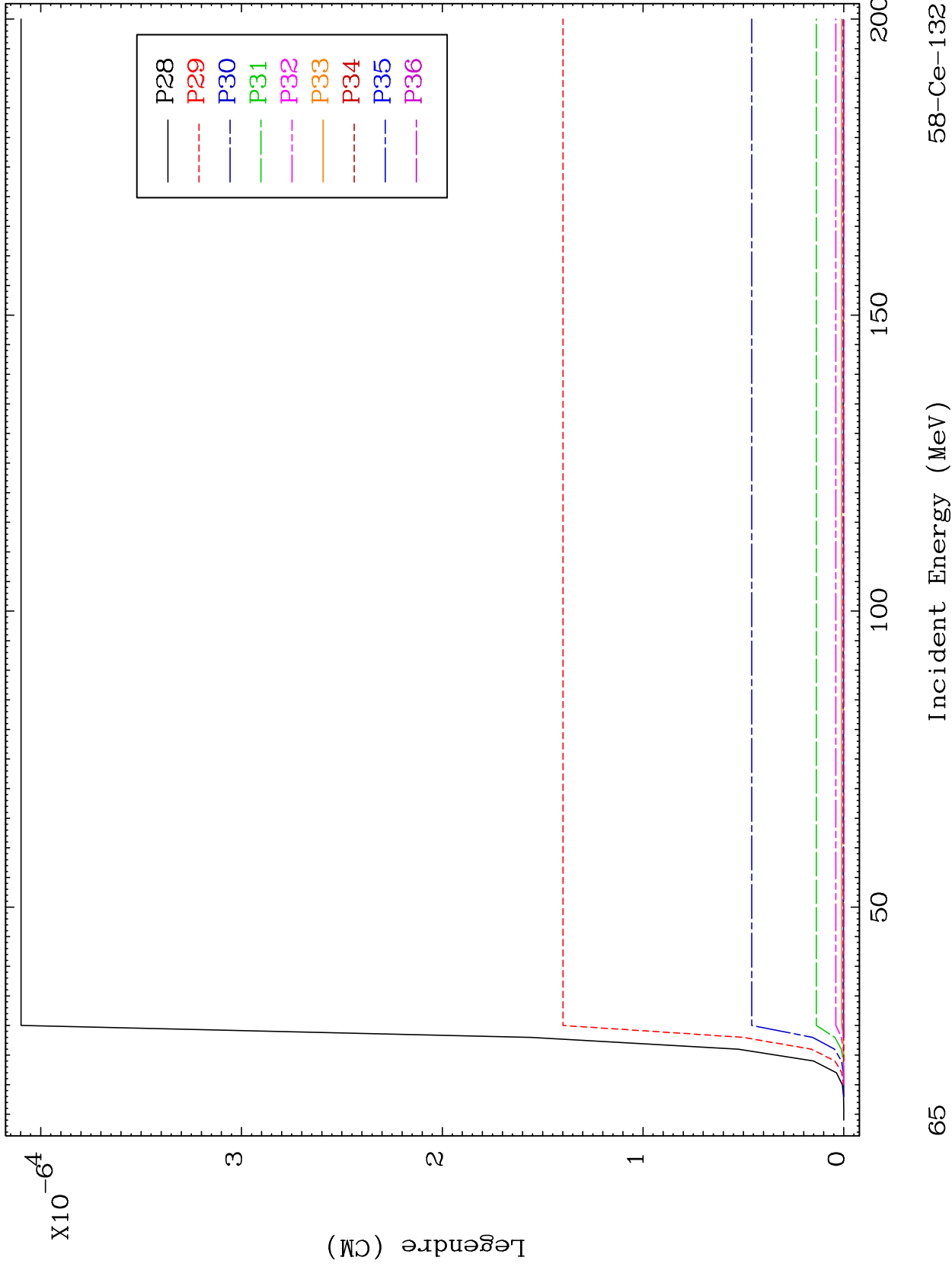
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



65

Incident Energy (MeV)

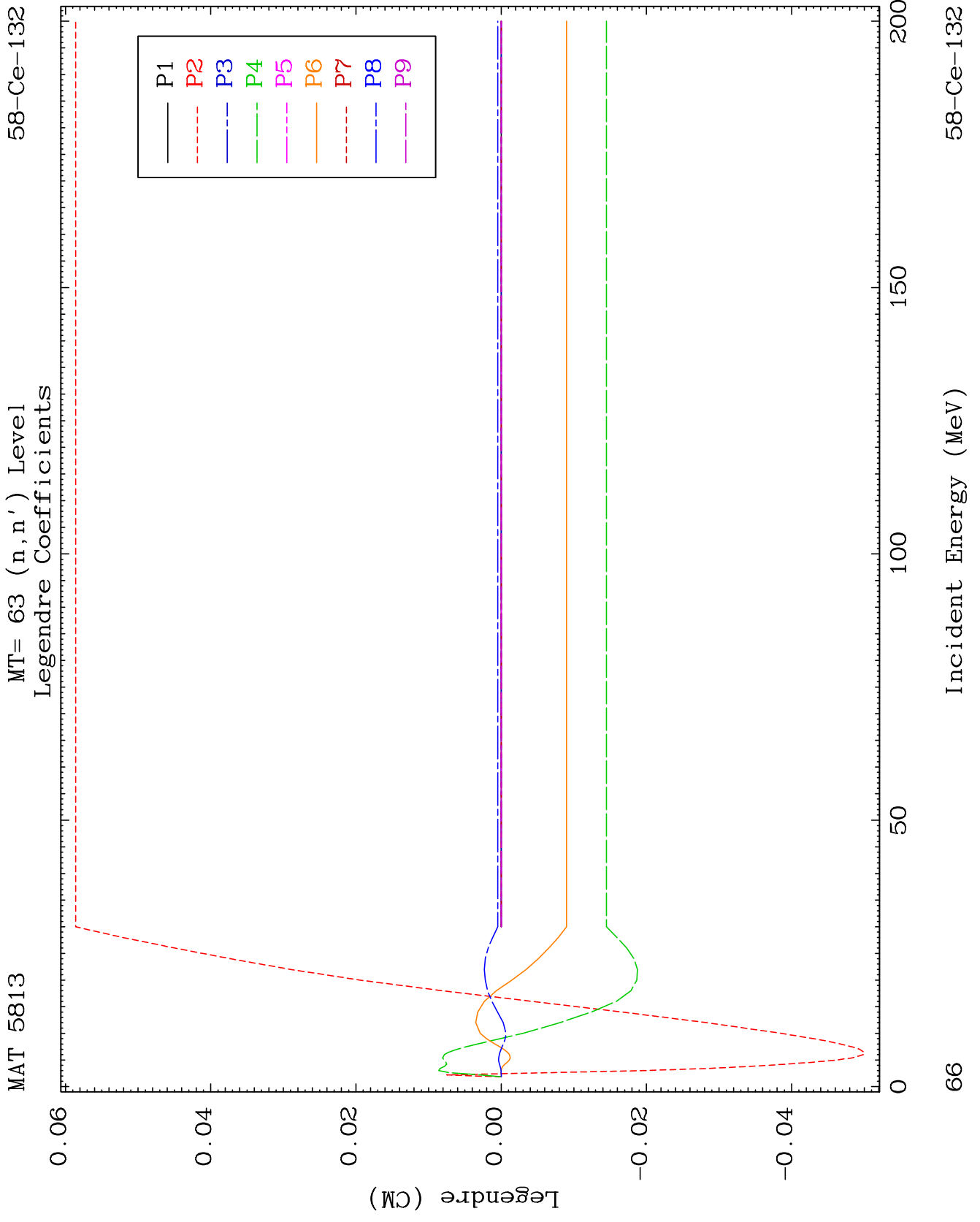
58-Ce-132

200

150

100

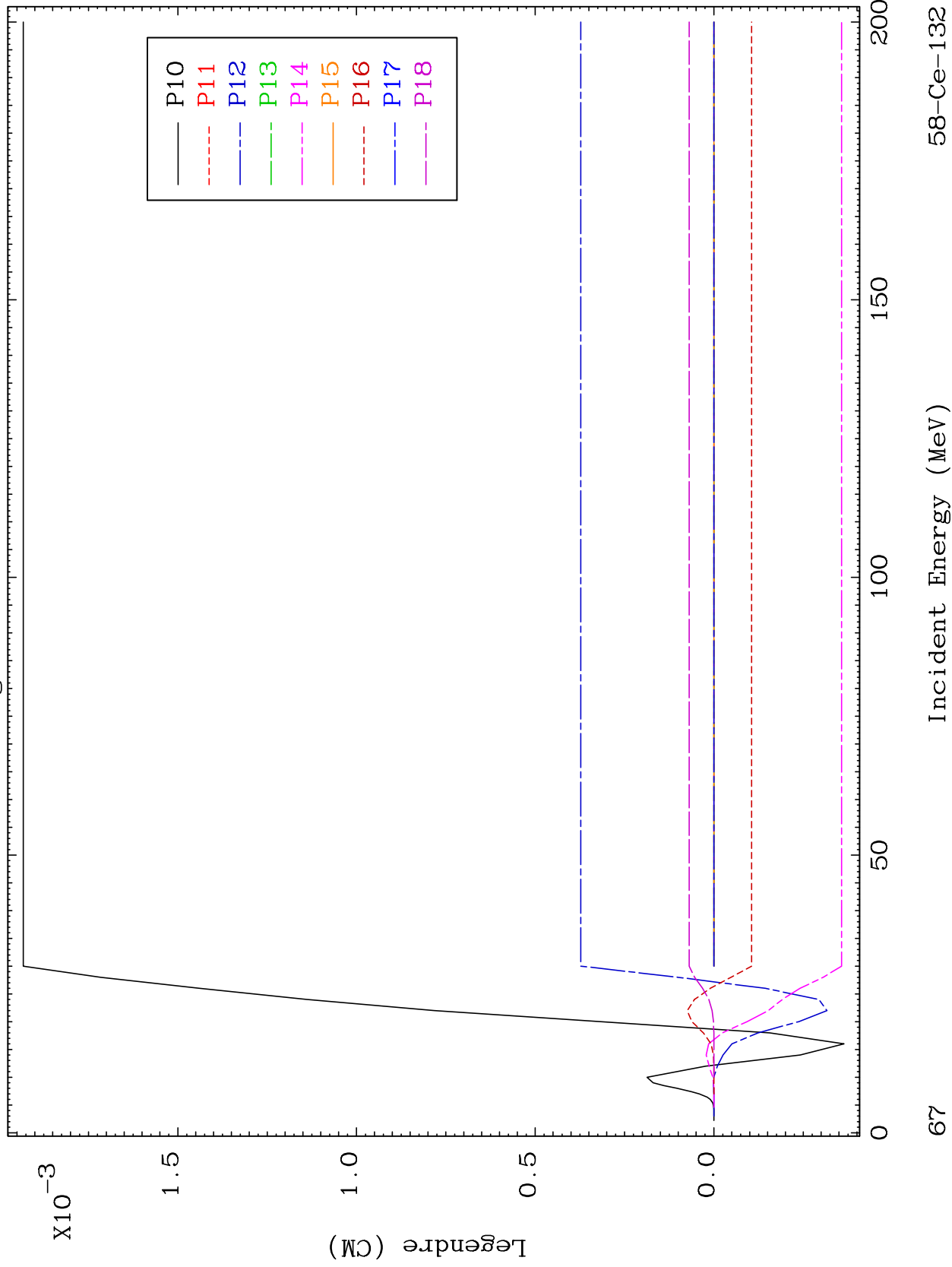
50

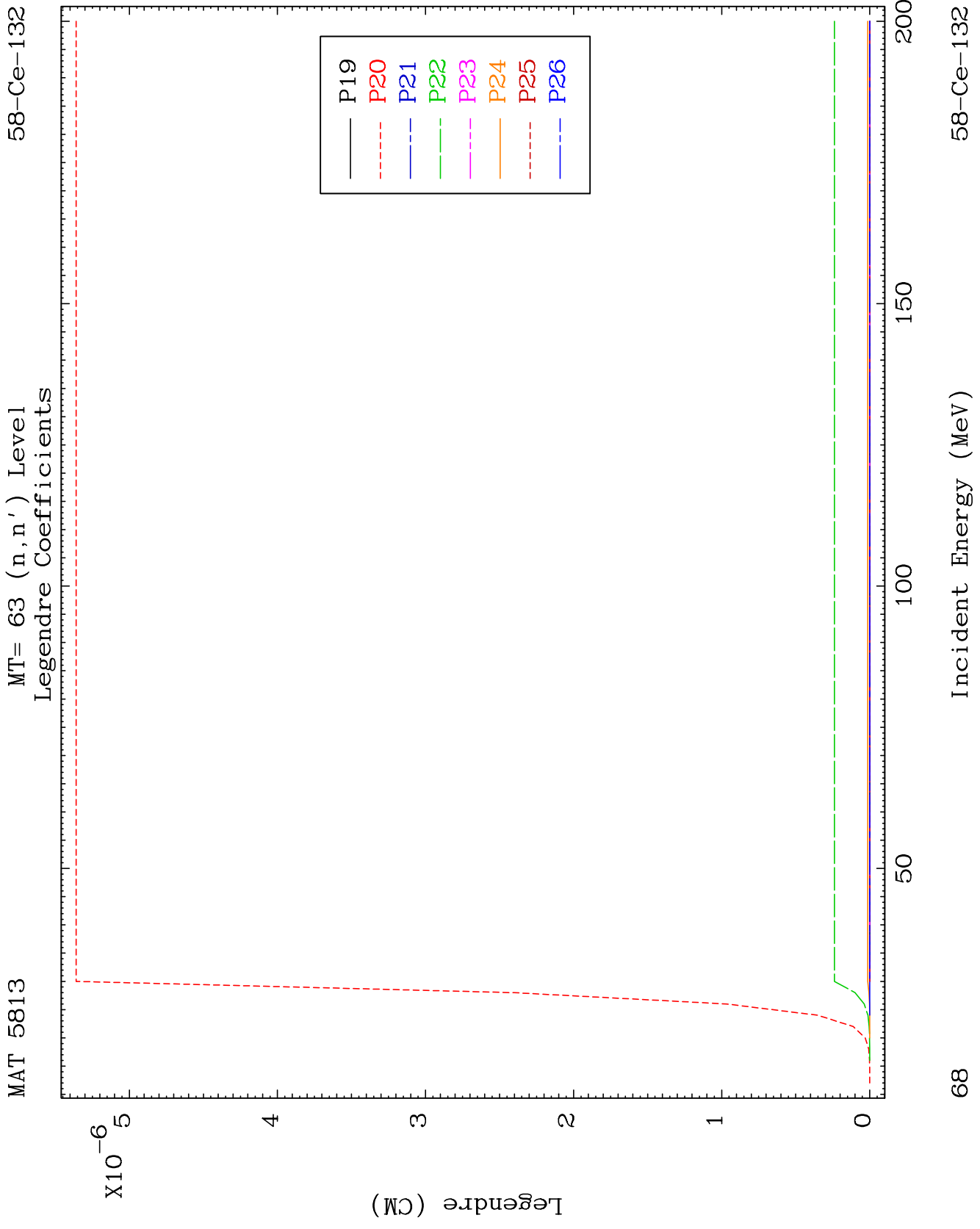


MAT 5813

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

58-Ce-132

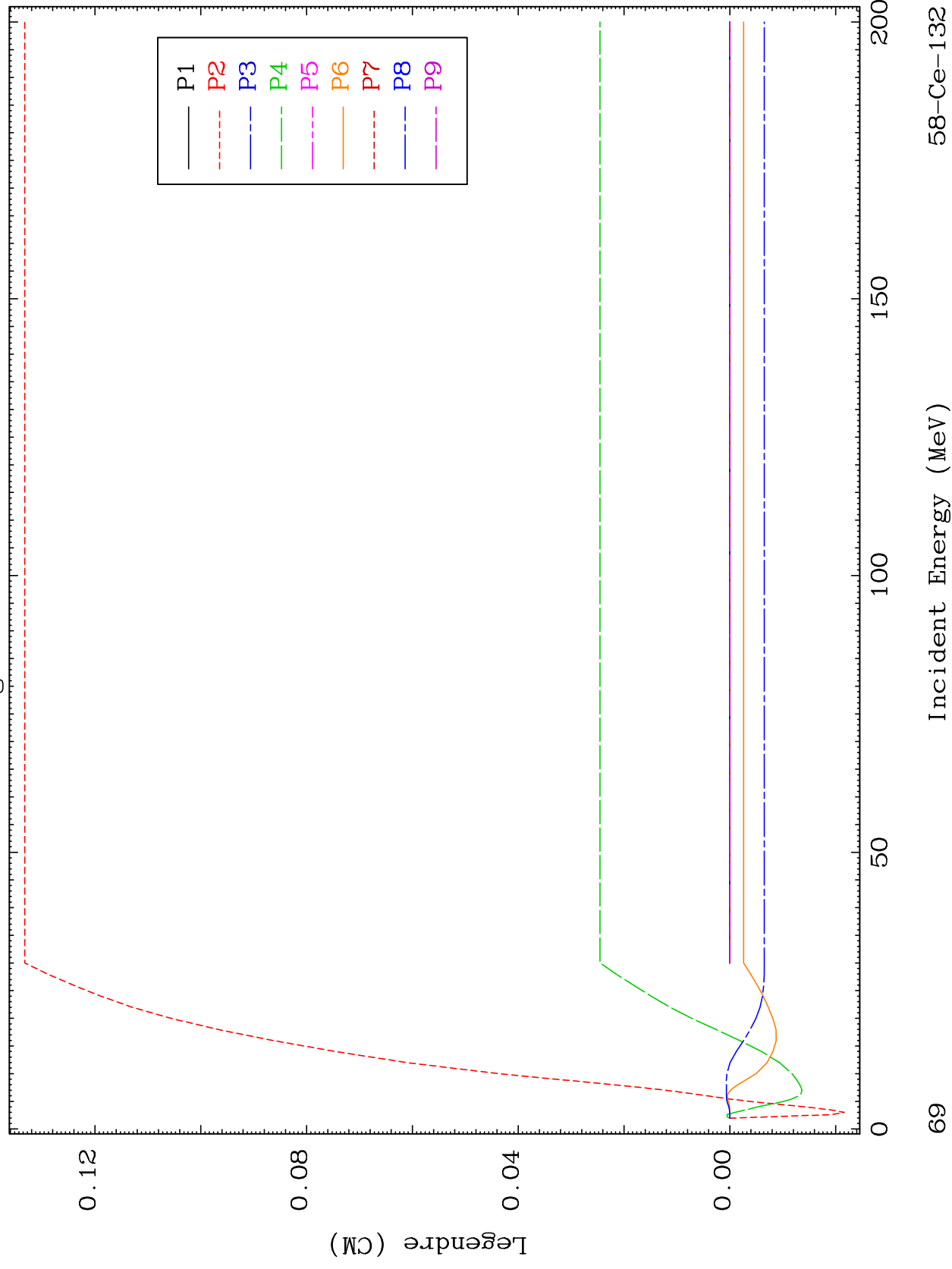




MAT 5813

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

58-Ce-132



58-Ce-132

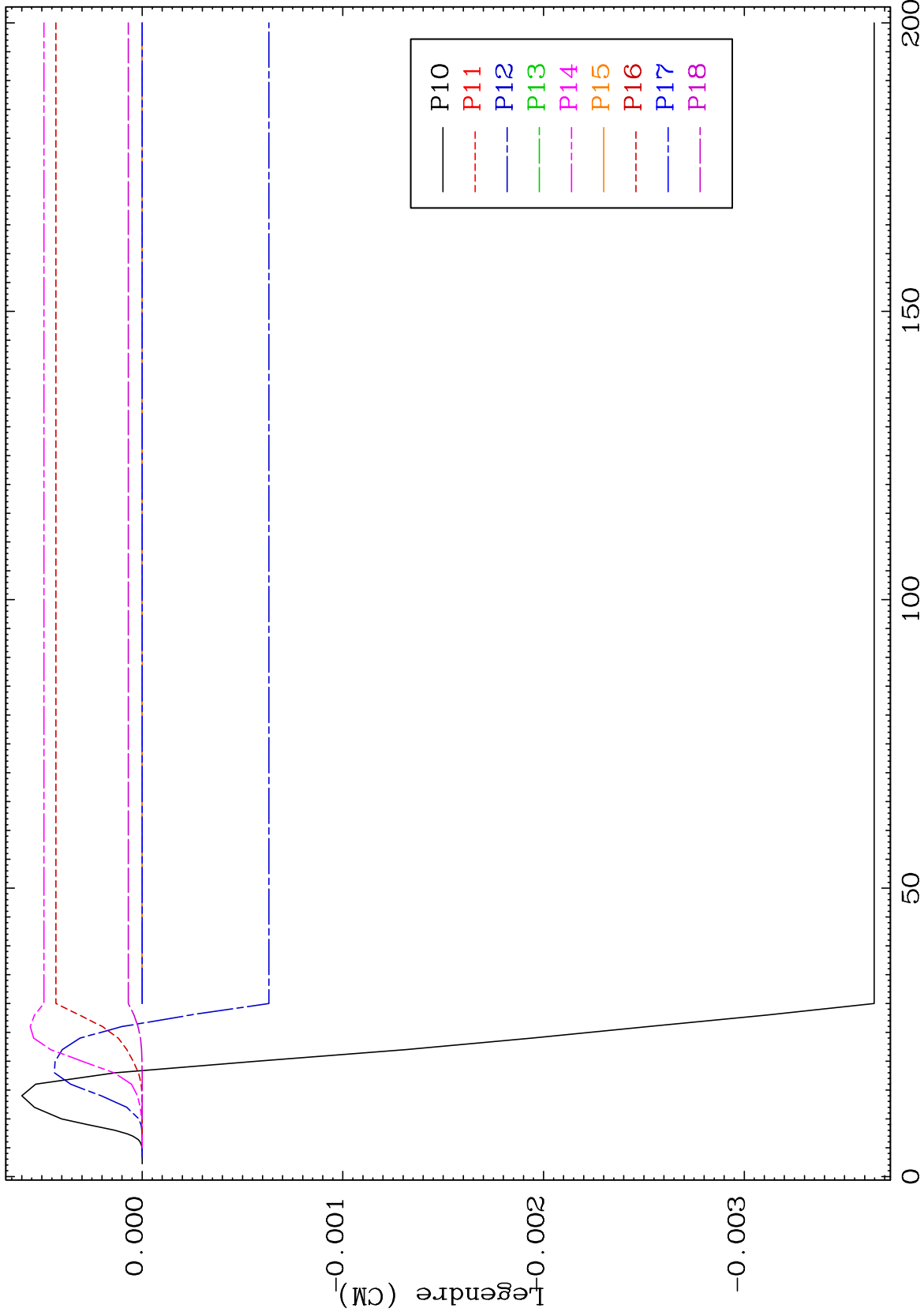
Incident Energy (MeV)

69

MAT 5813

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

58-Ce-132



70

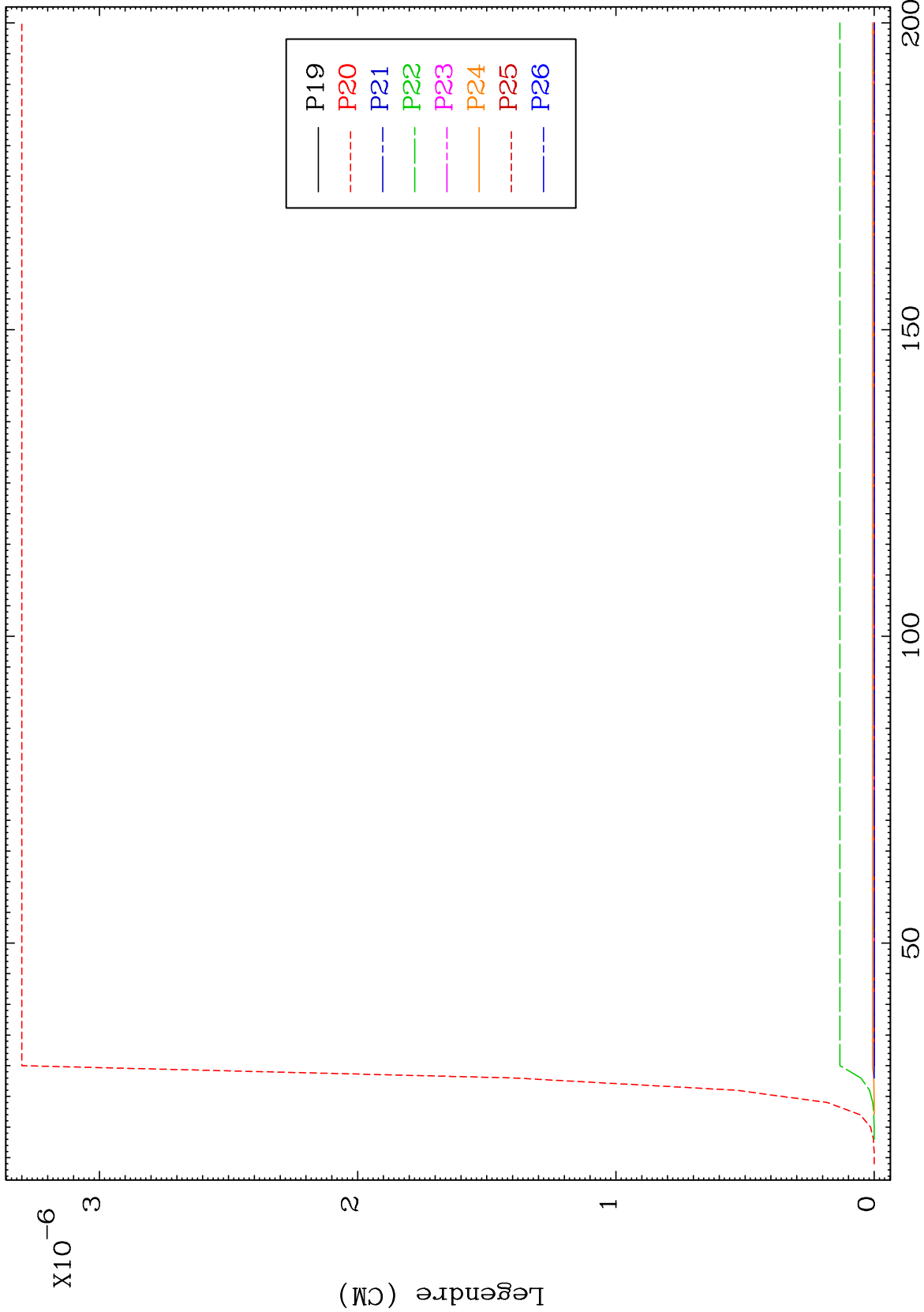
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



71

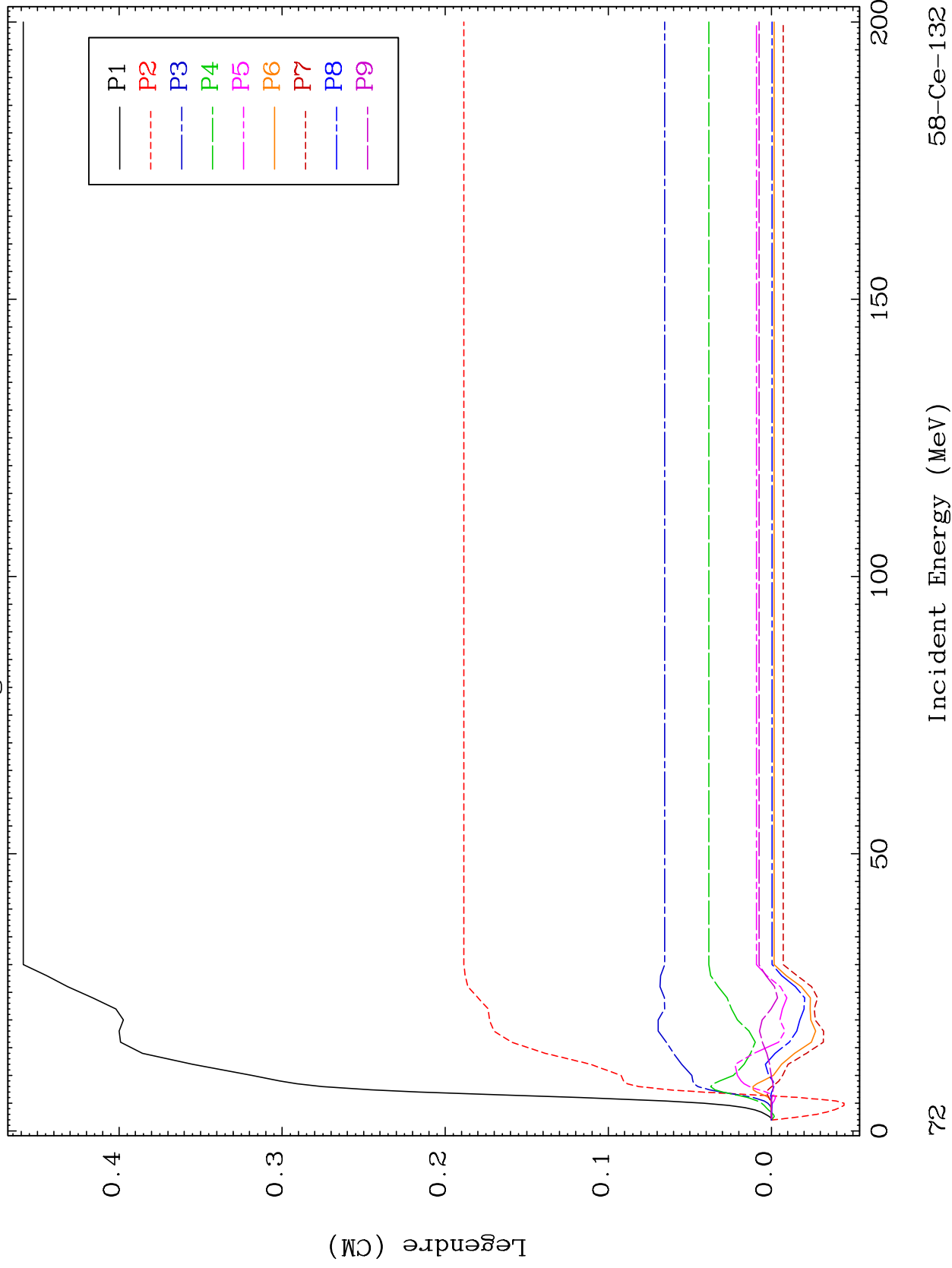
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



58-Ce-132

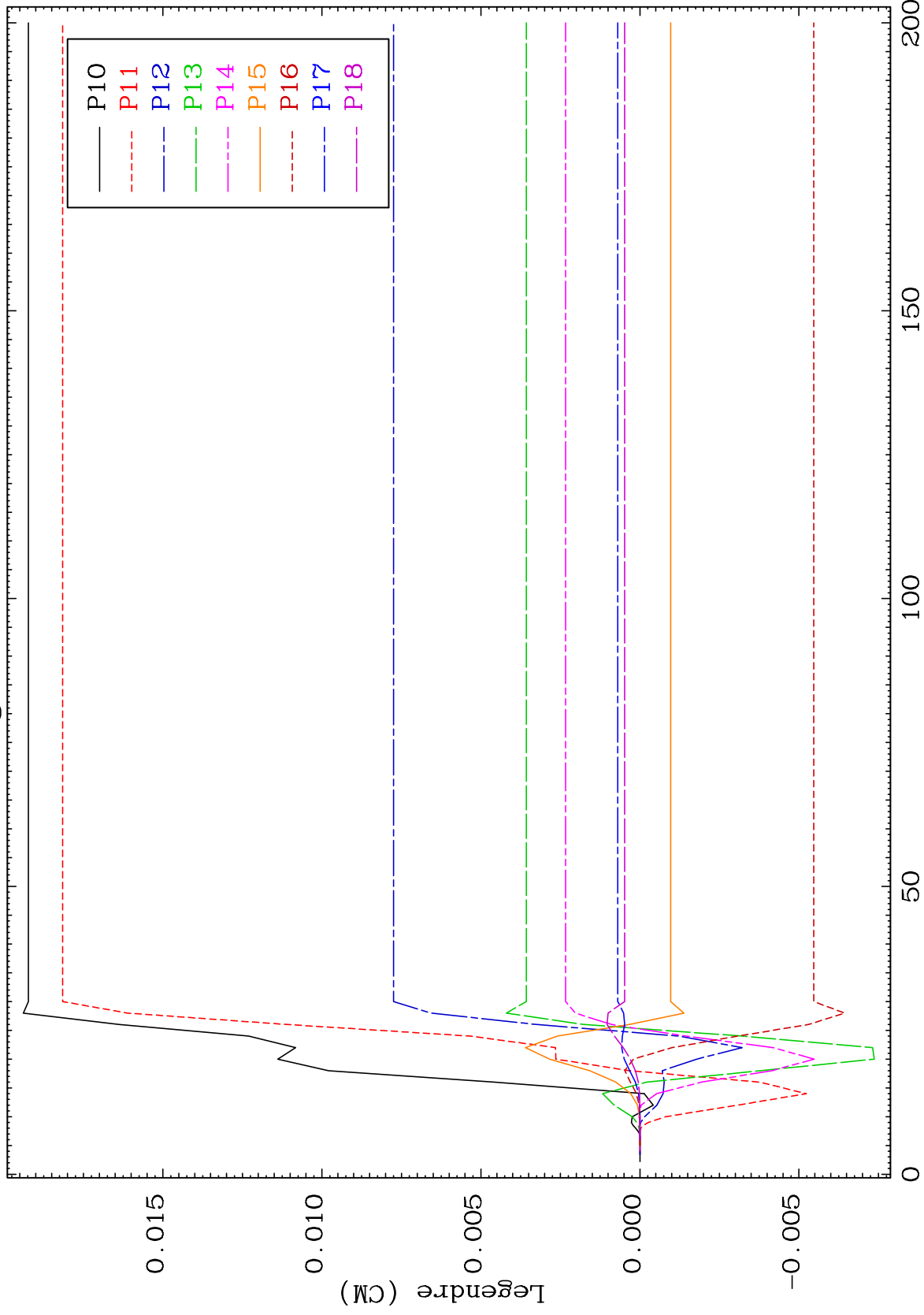
Incident Energy (MeV)

72

MAT 5813

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

58-Ce-132



73

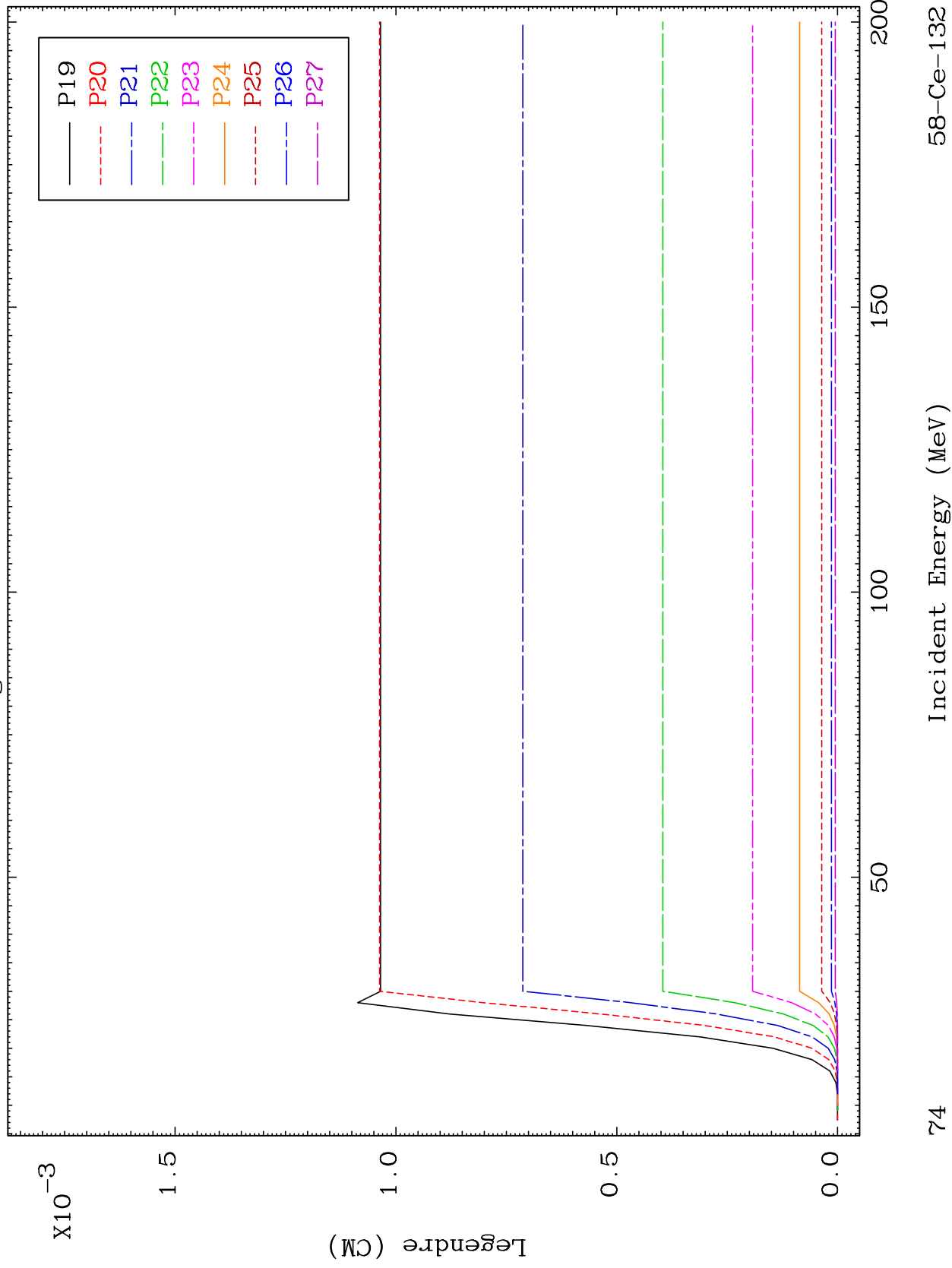
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

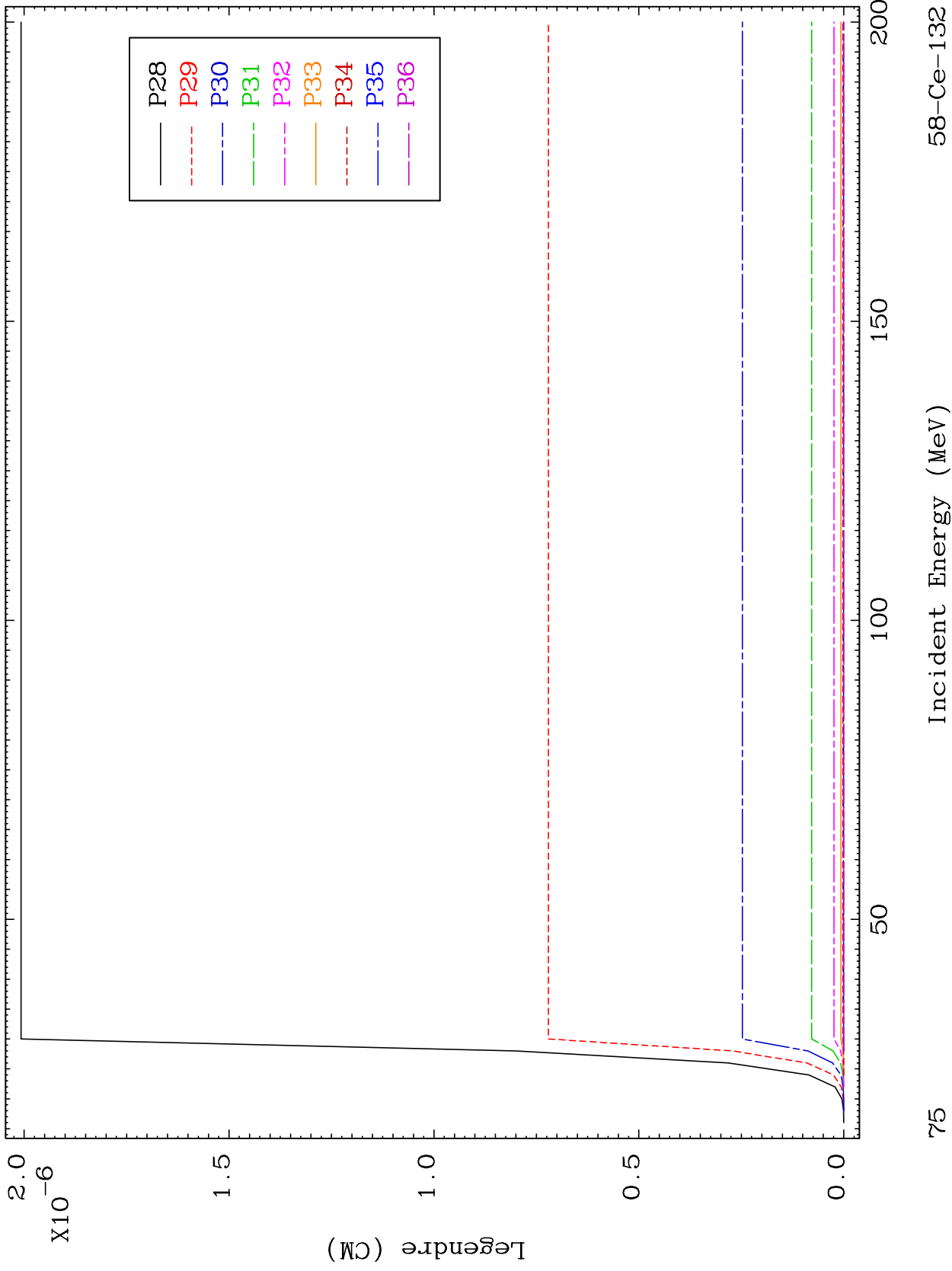
58-Ce-132

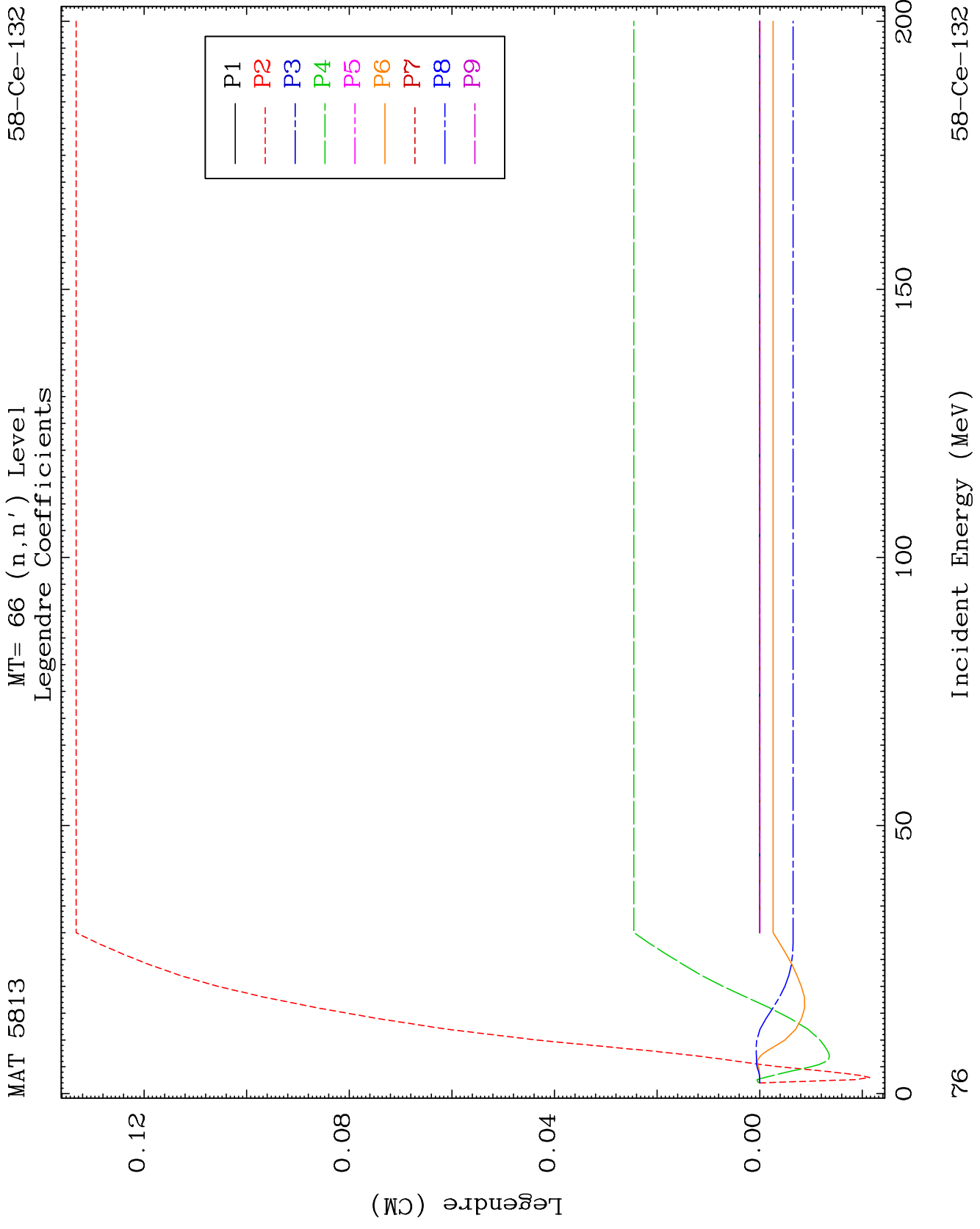


MAT 5813

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

58-Ce-132

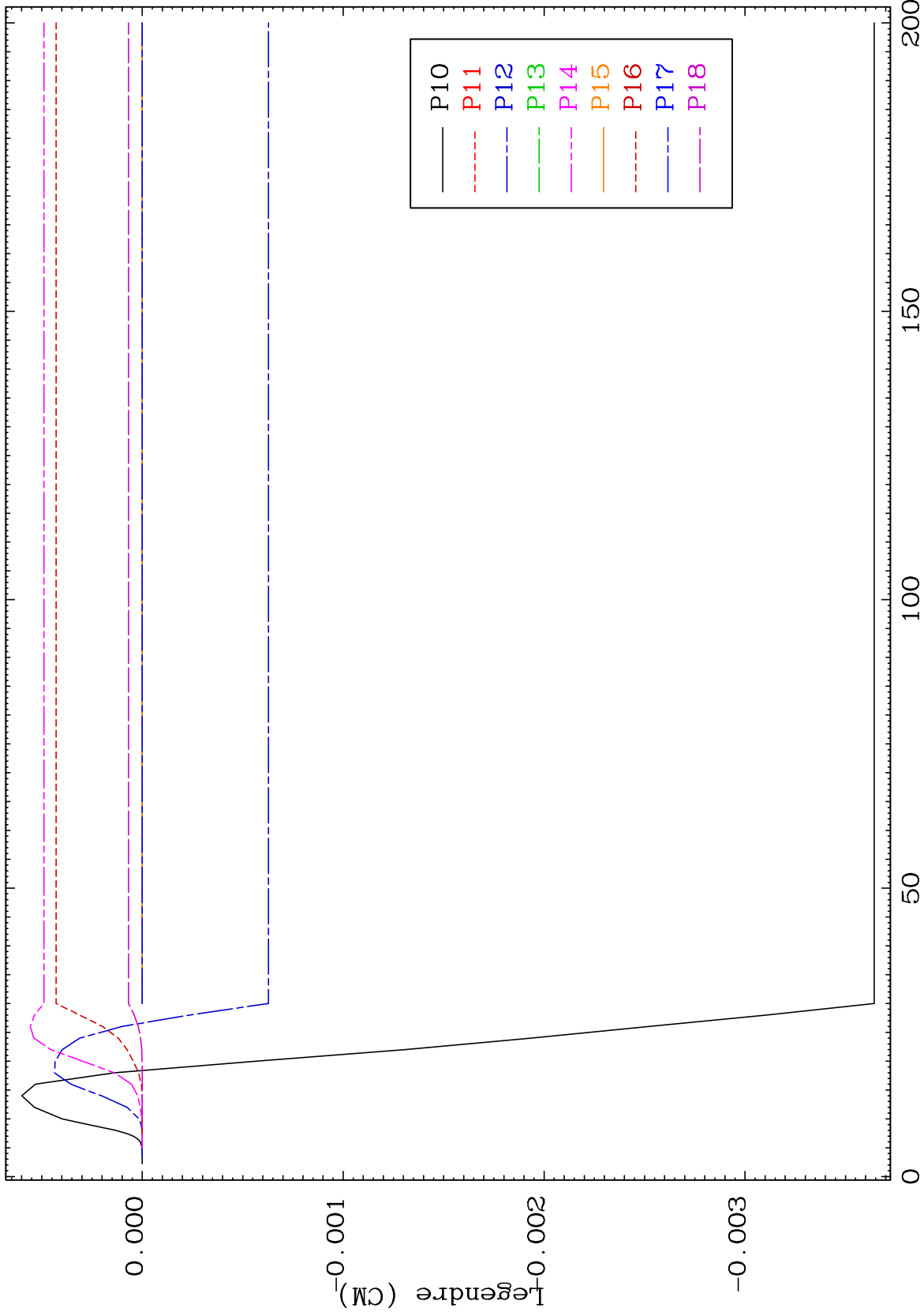




MAT 5813

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

58-Ce-132



77

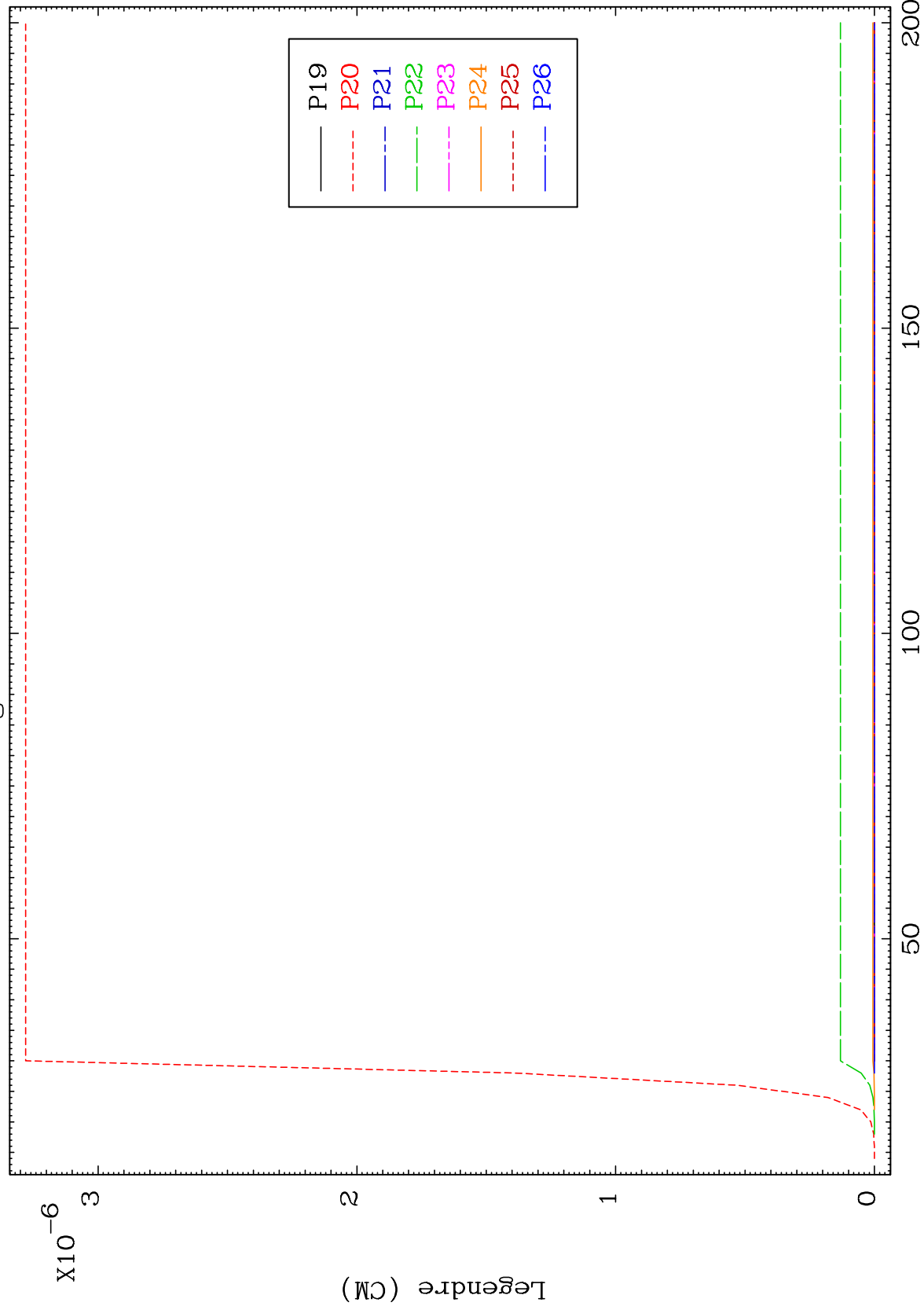
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



58-Ce-132

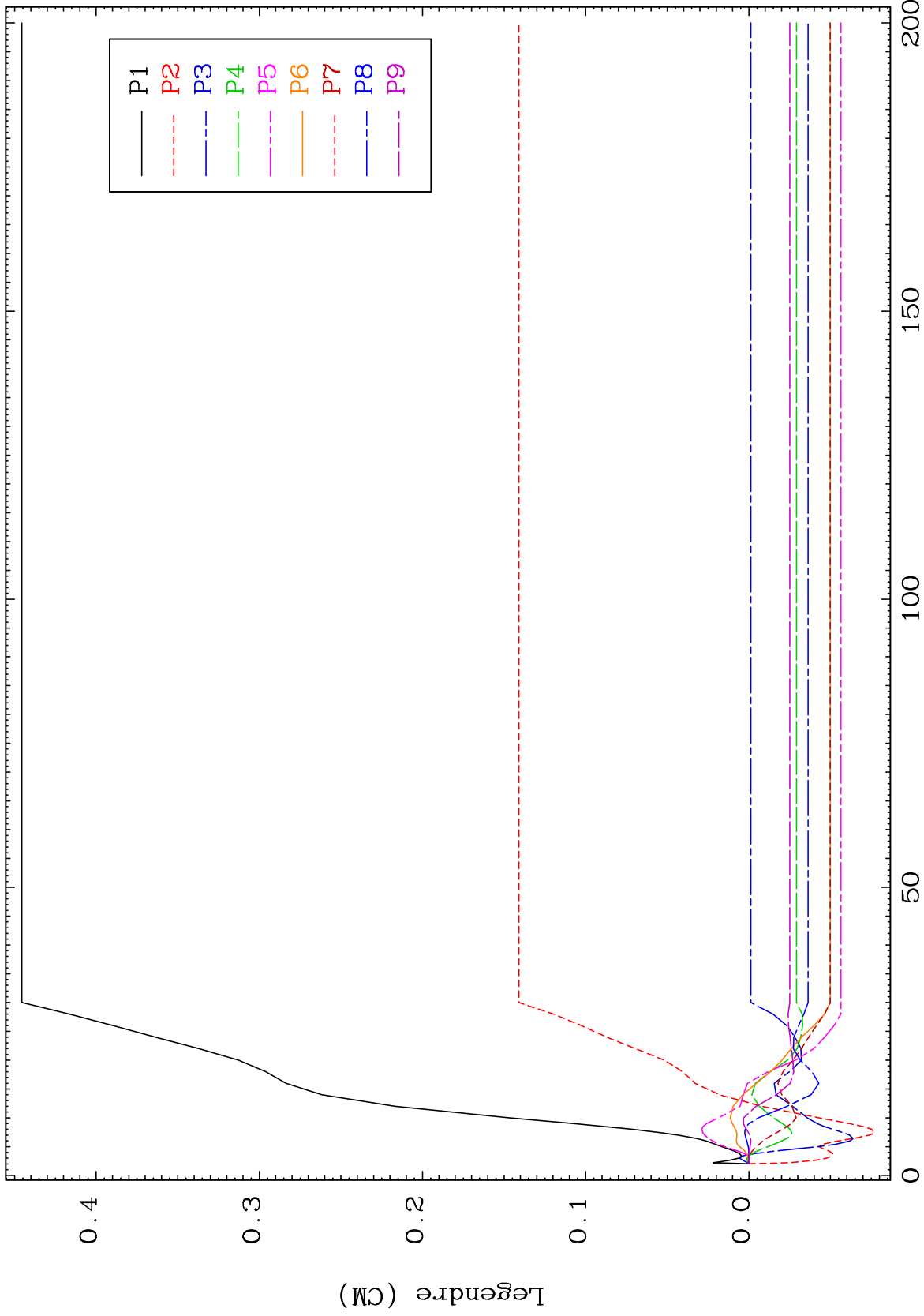
Incident Energy (MeV)

78

MAT 5813

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

58-Ce-132



79

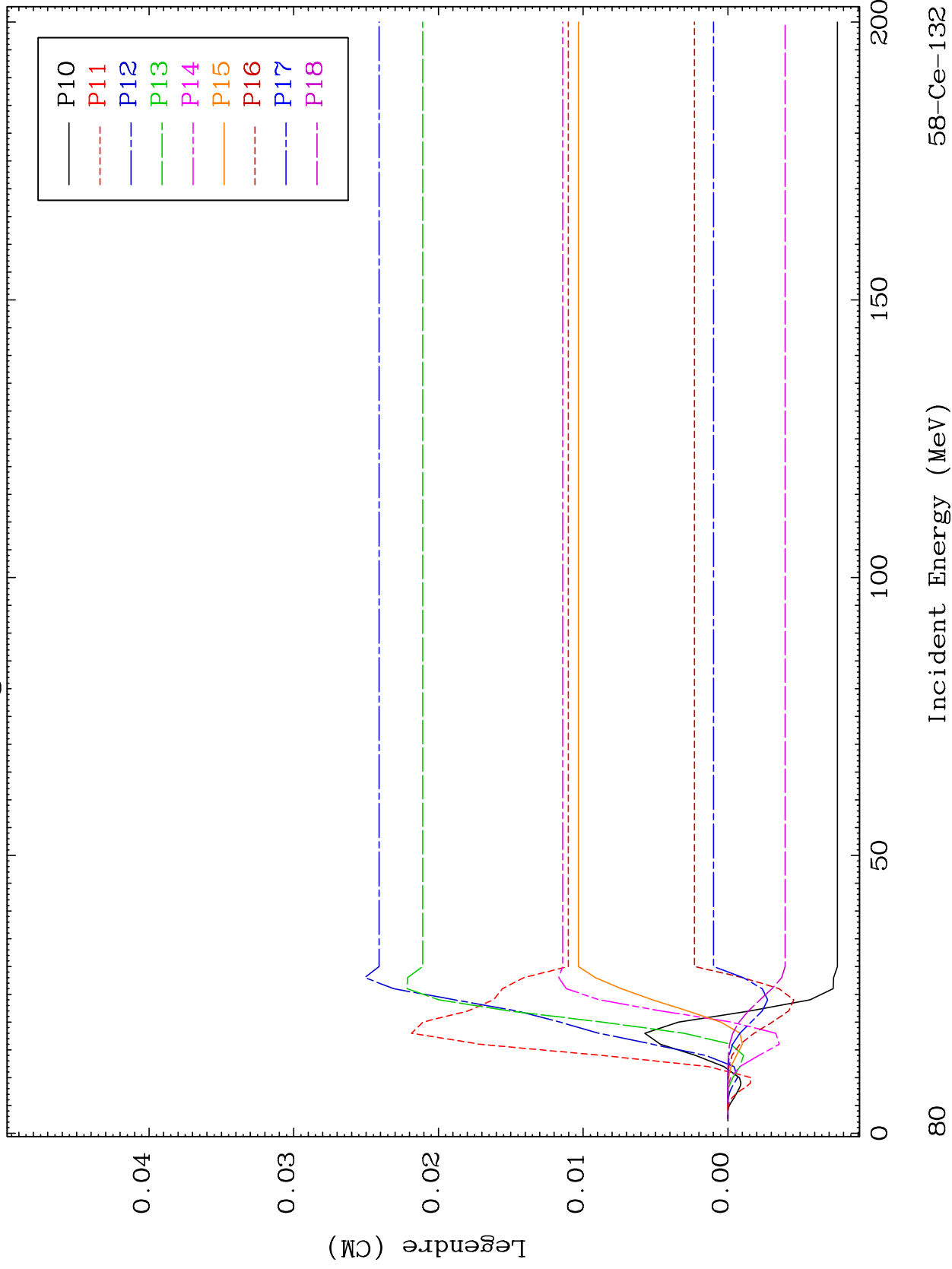
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



58-Ce-132

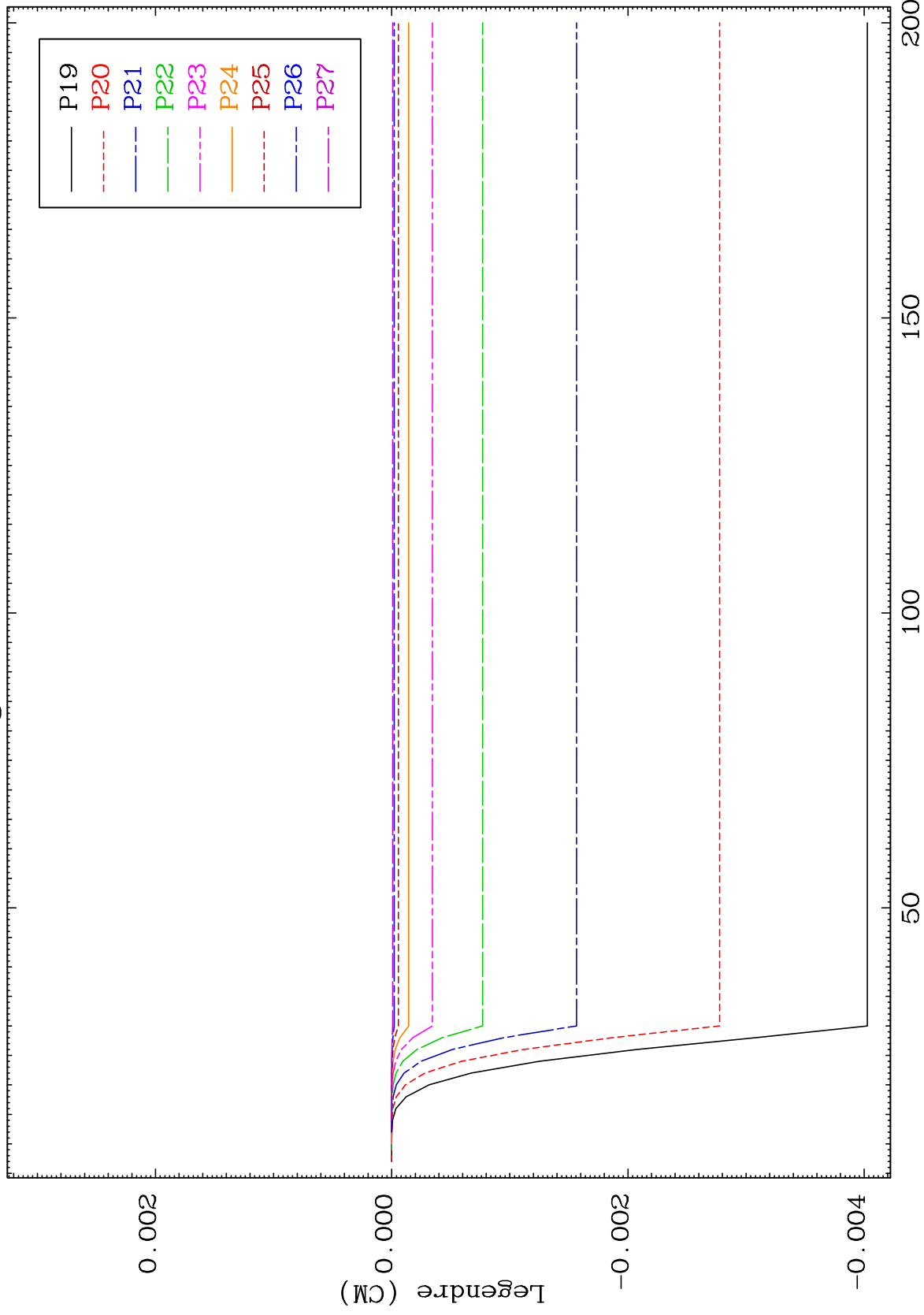
Incident Energy (MeV)

80

MAT 5813

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

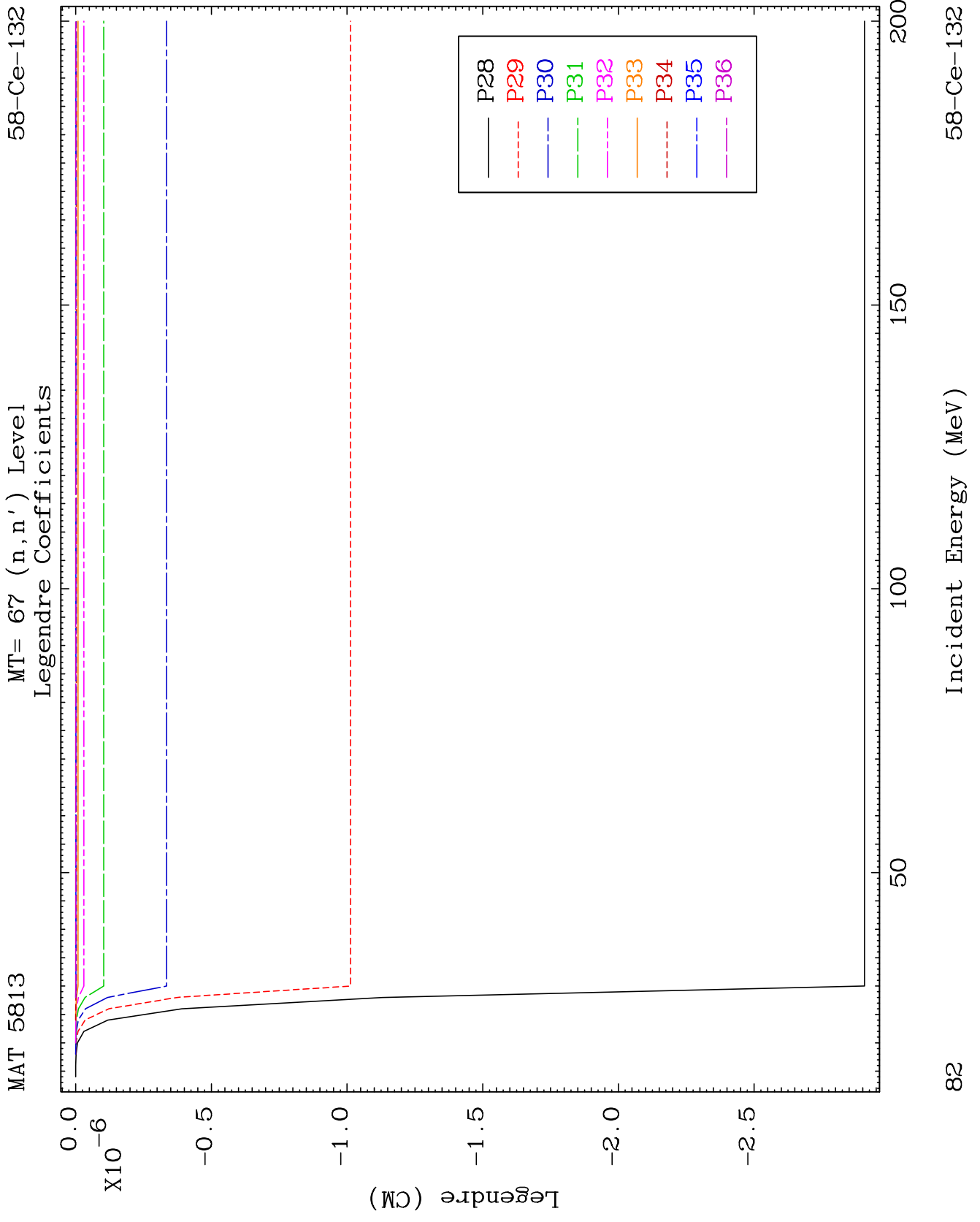
58-Ce-132



81

Incident Energy (MeV)

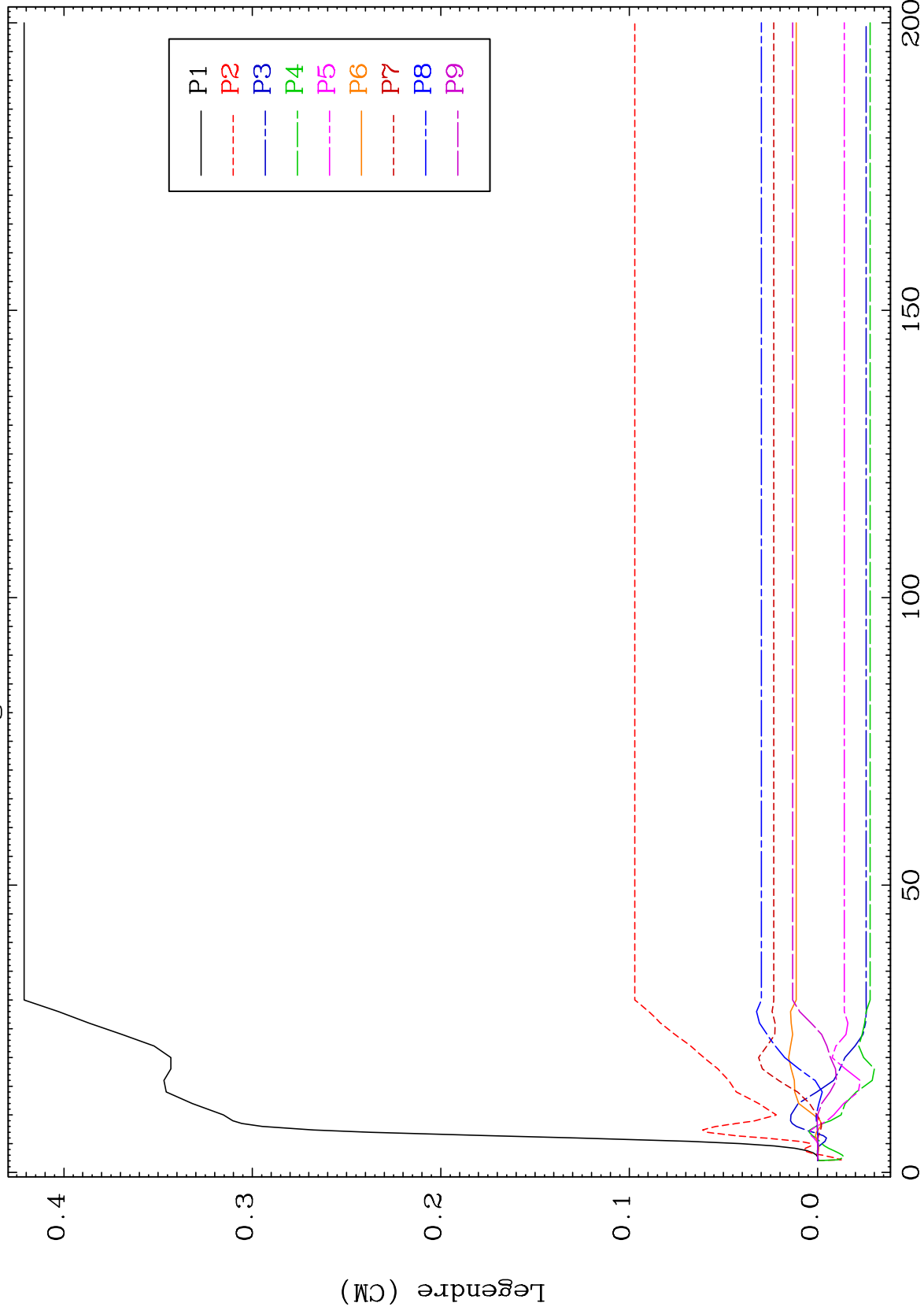
58-Ce-132



MAT 5813

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

58-Ce-132



83

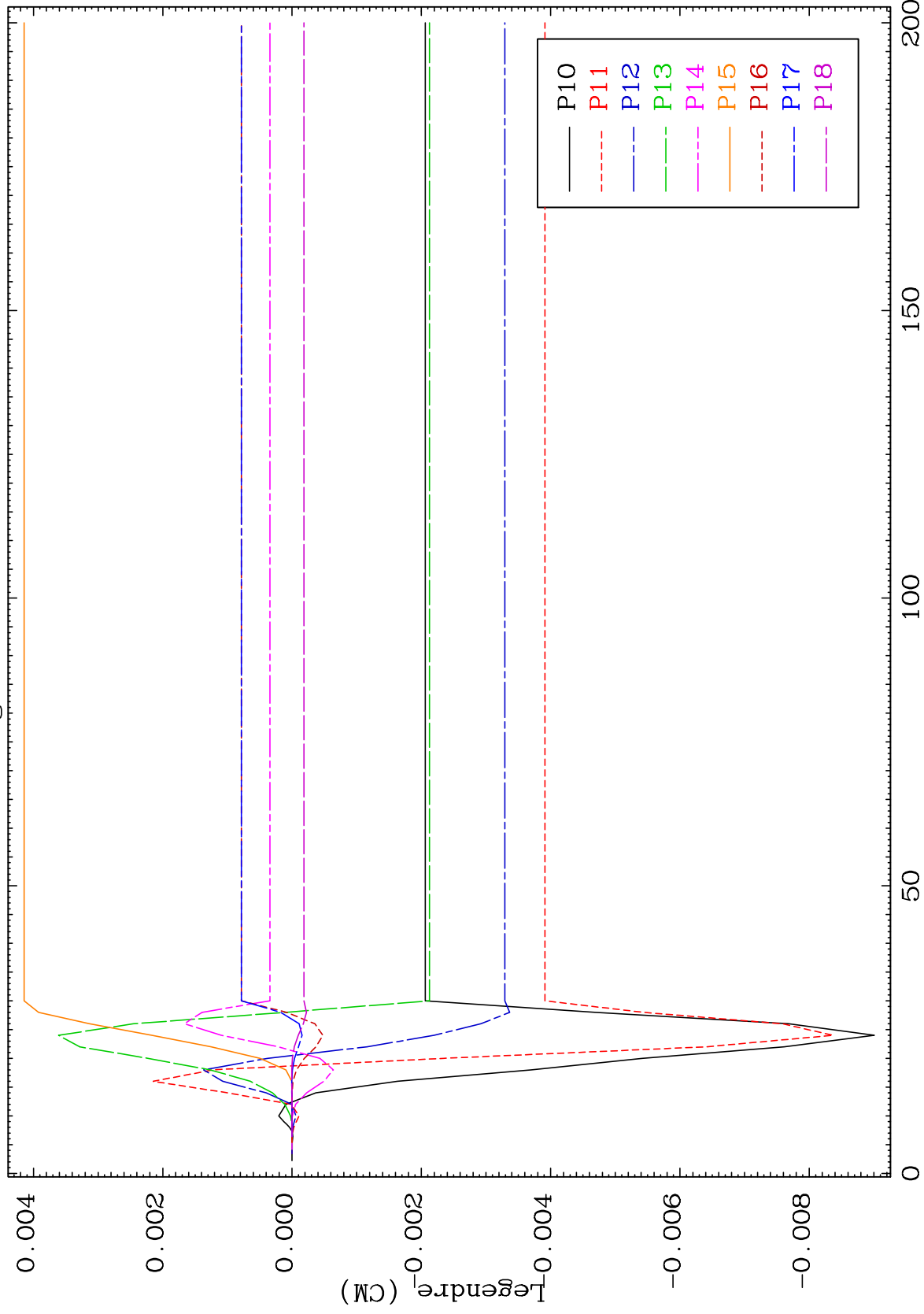
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



84

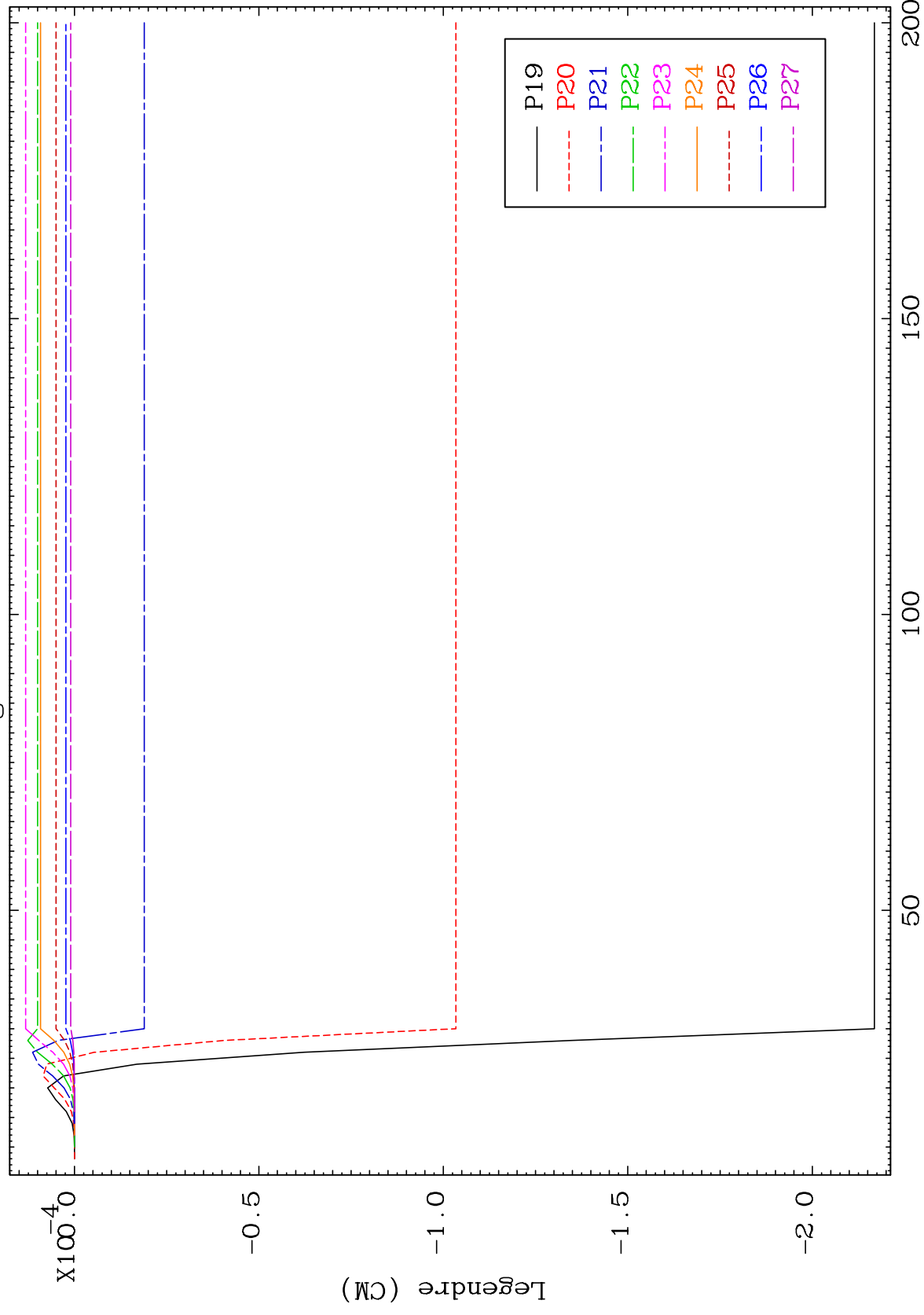
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



85

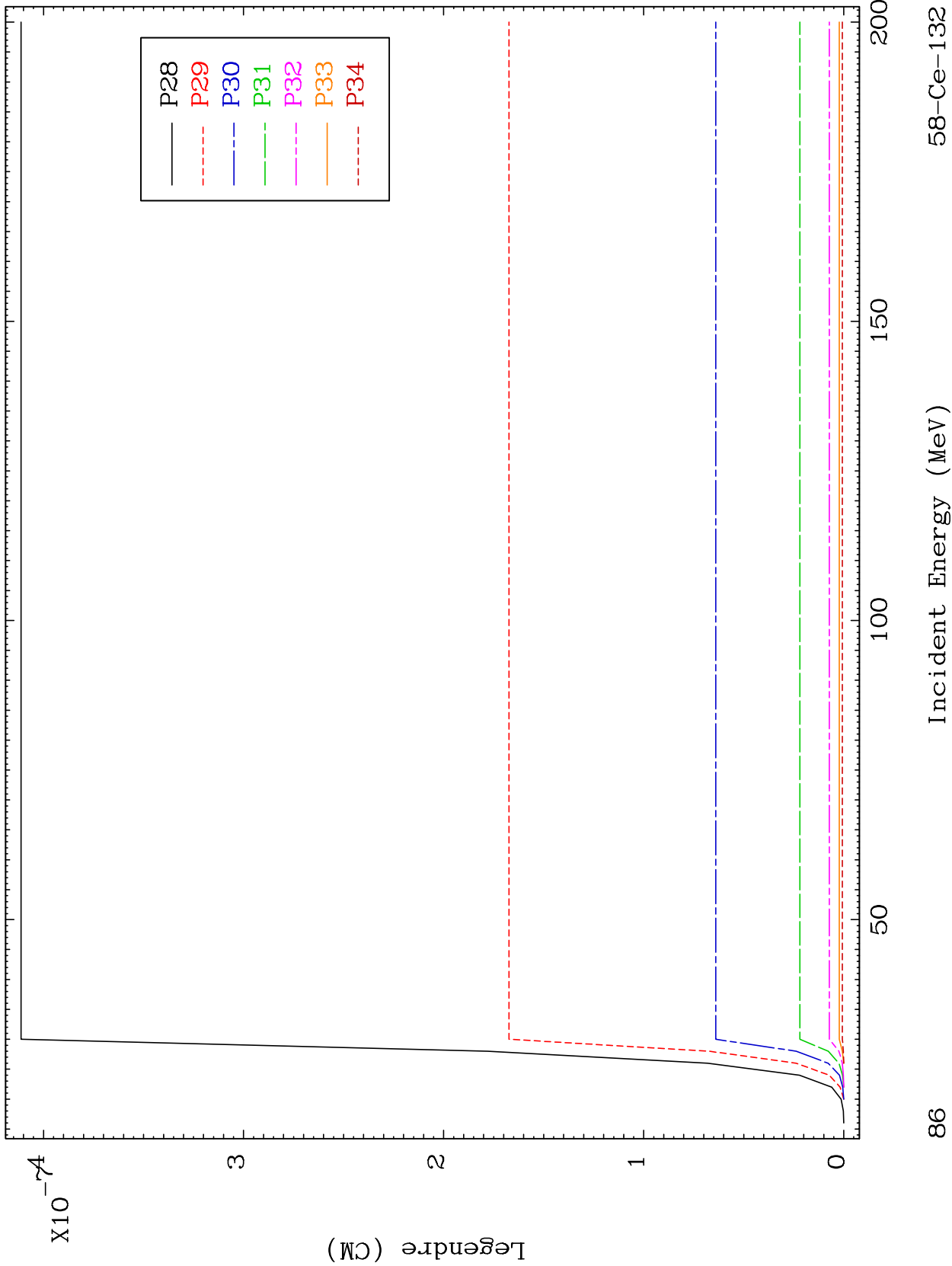
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

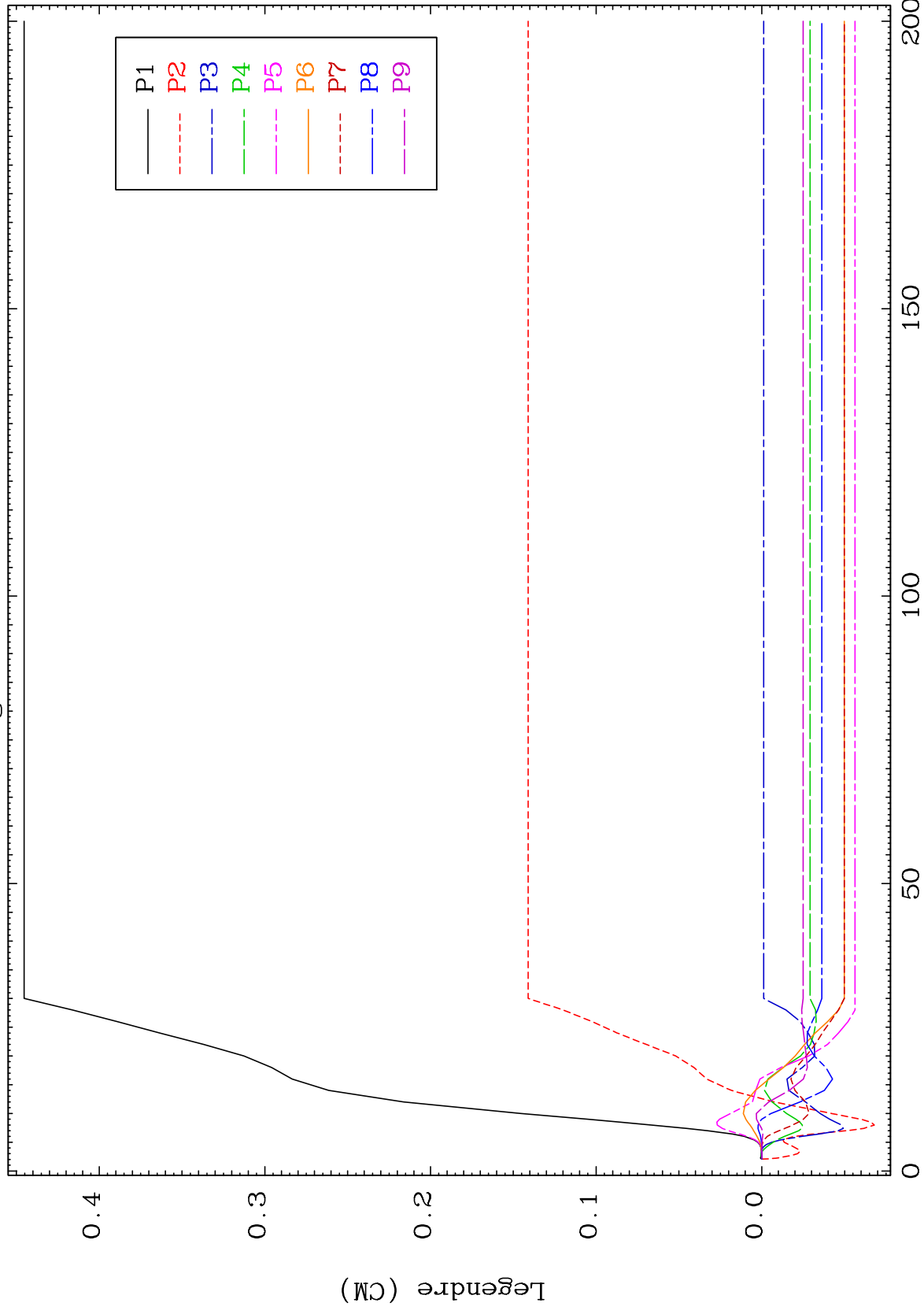
58-Ce-132



MAT 5813

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

58-Ce-132



87

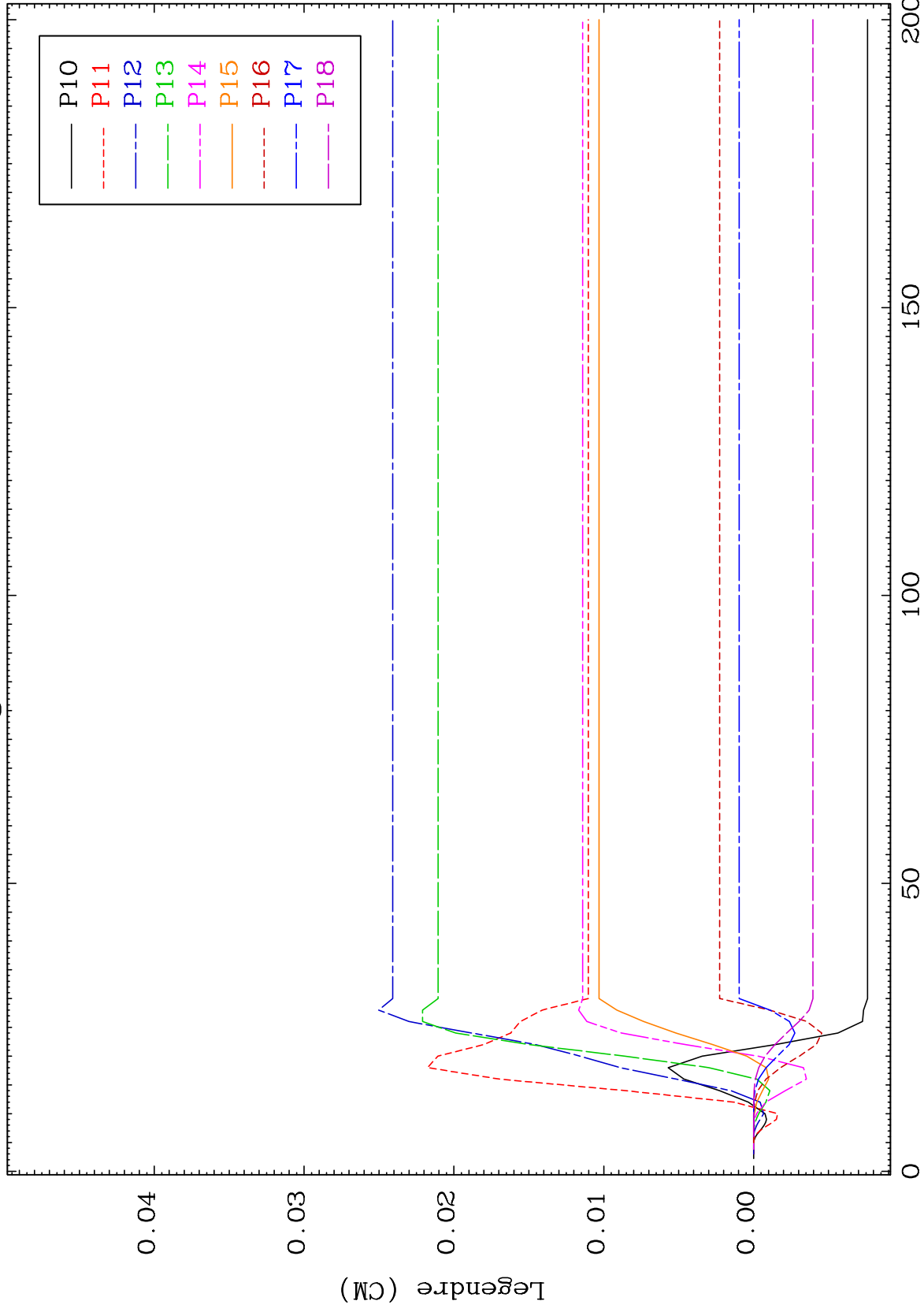
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



88

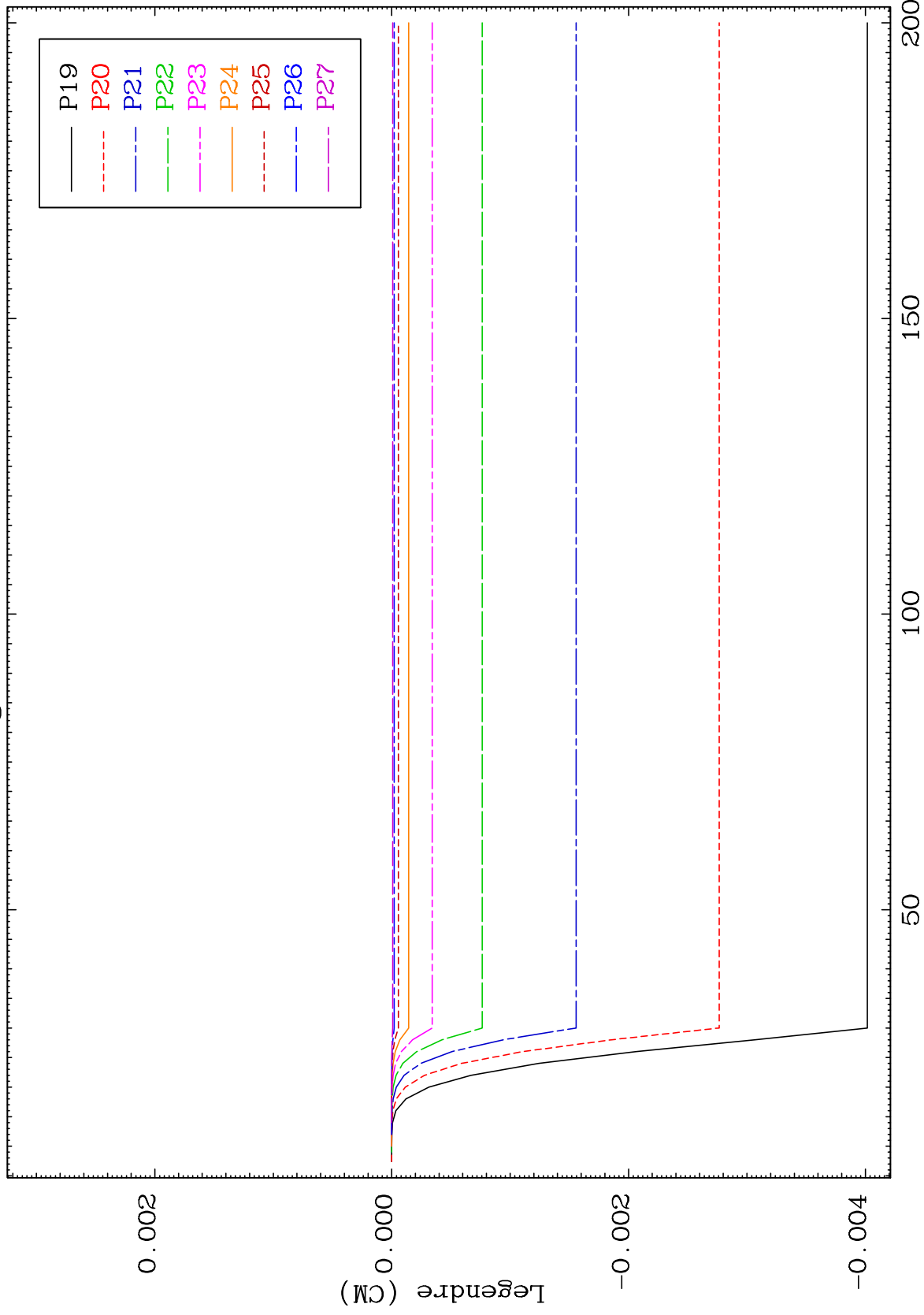
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



89

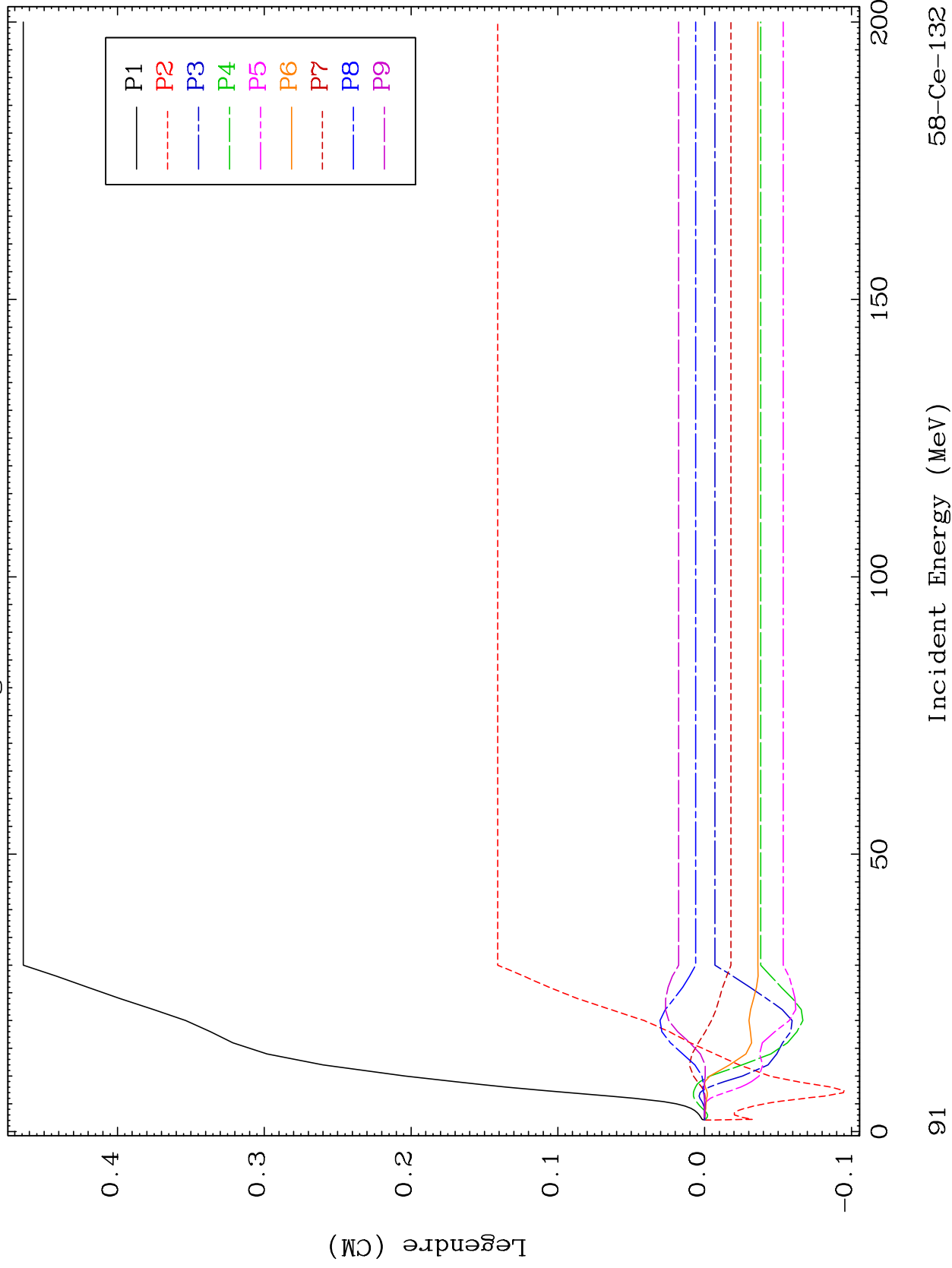
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



58-Ce-132

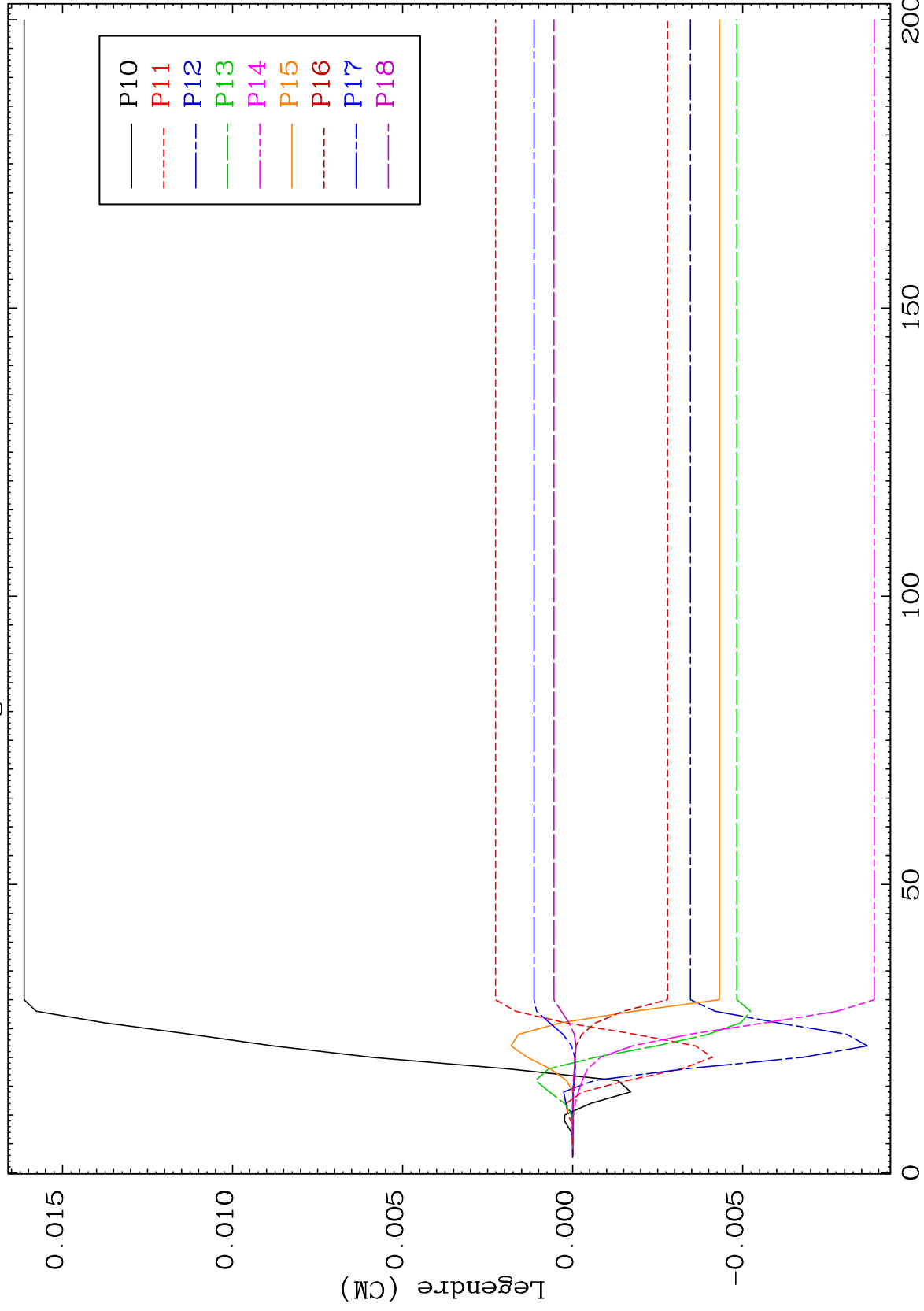
Incident Energy (MeV)

91

MAT 5813

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

58-Ce-132



92

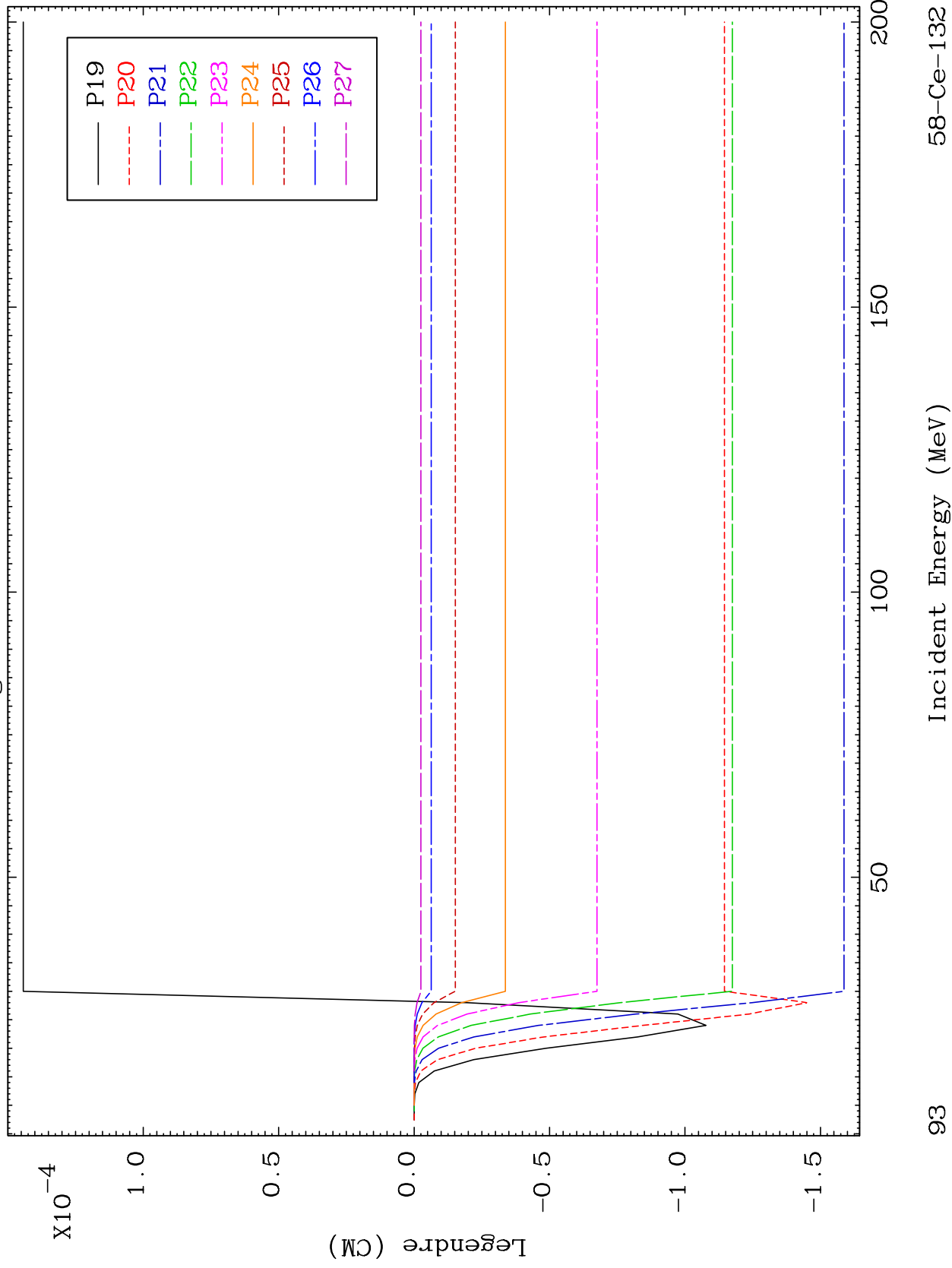
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



93

Incident Energy (MeV)

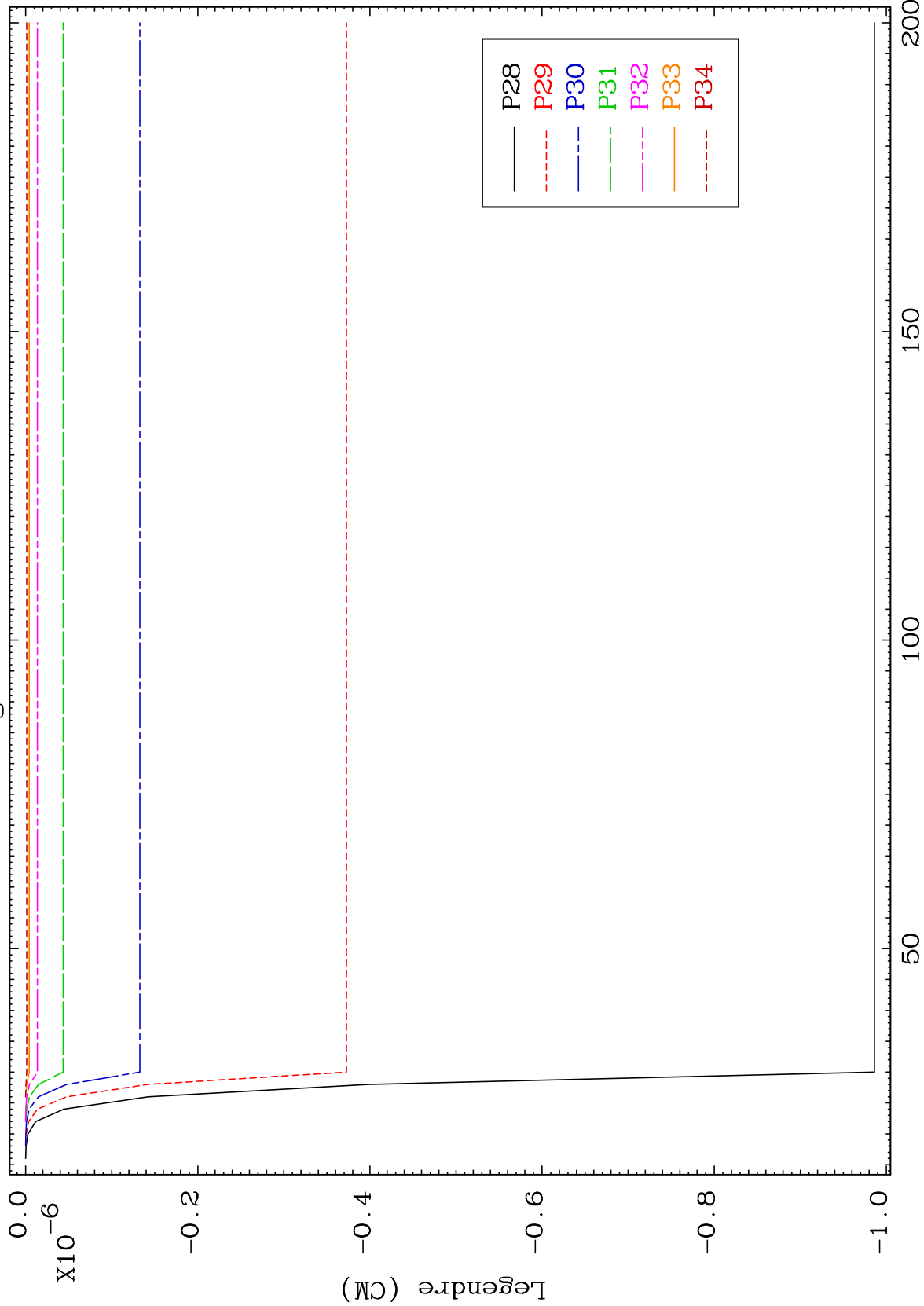
58-Ce-132

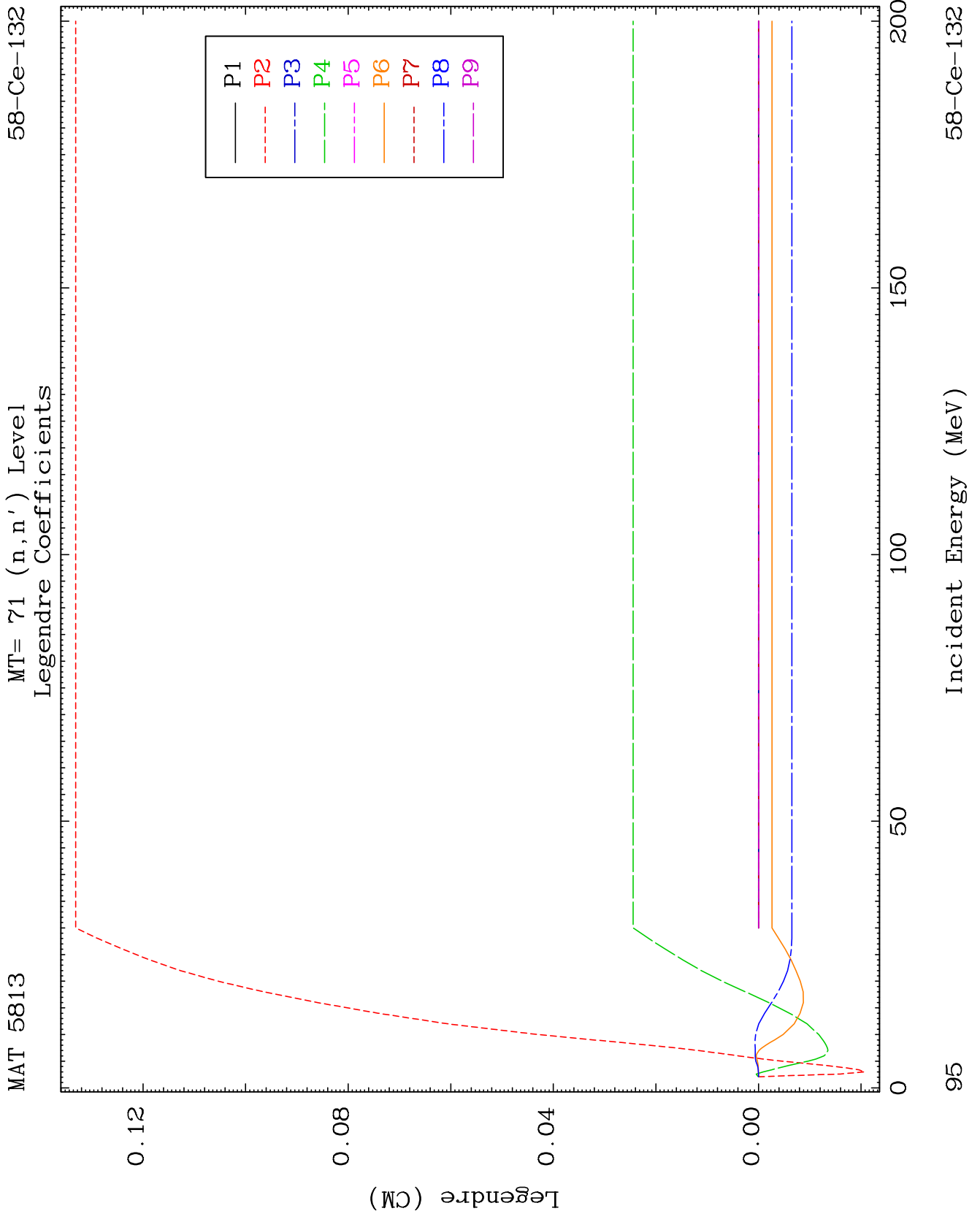
MAT 5813

MT= 70 (n,n') Level

58-Ce-132

Legendre Coefficients

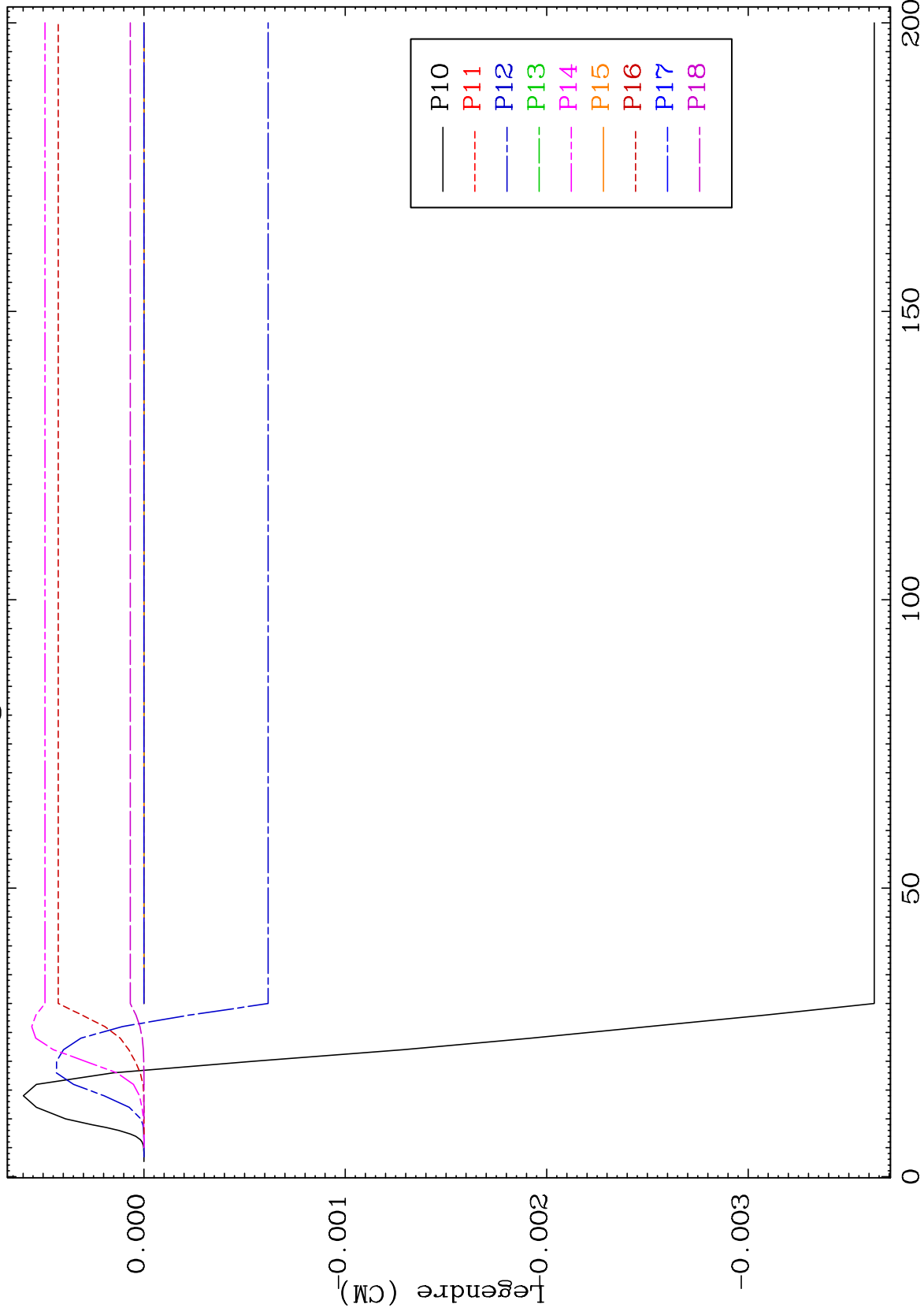




MAT 5813

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

58-Ce-132



96

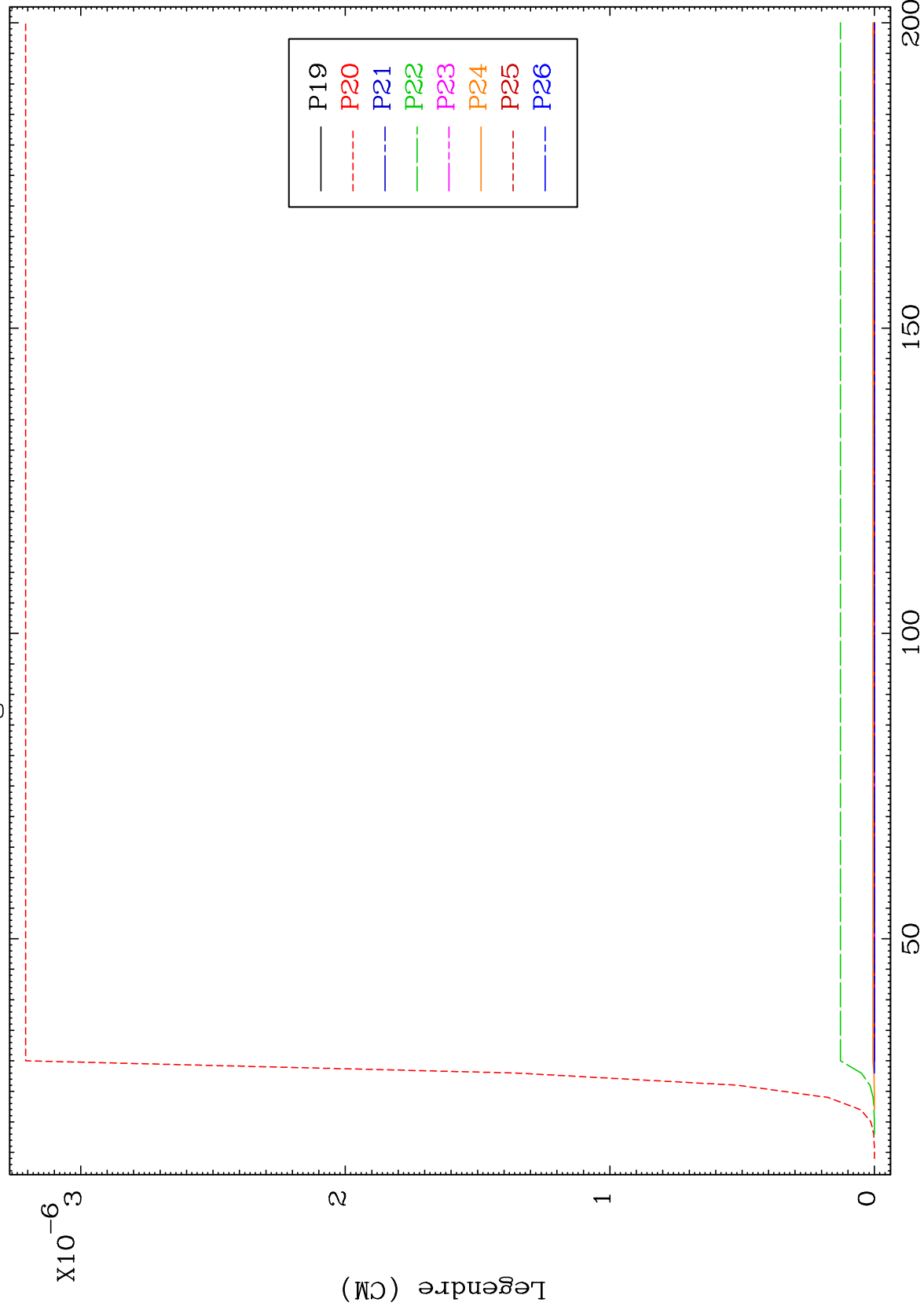
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

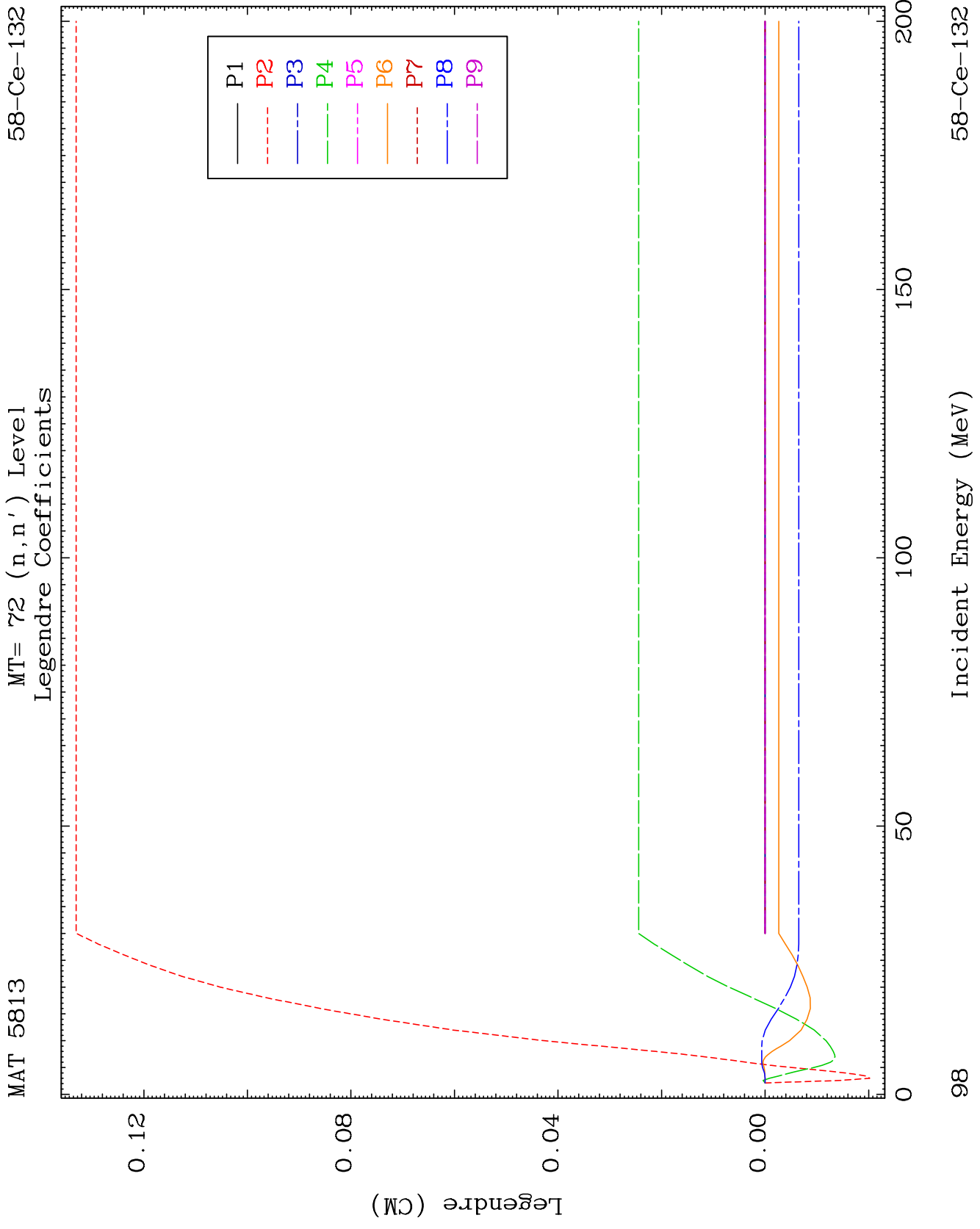
58-Ce-132



58-Ce-132

Incident Energy (MeV)

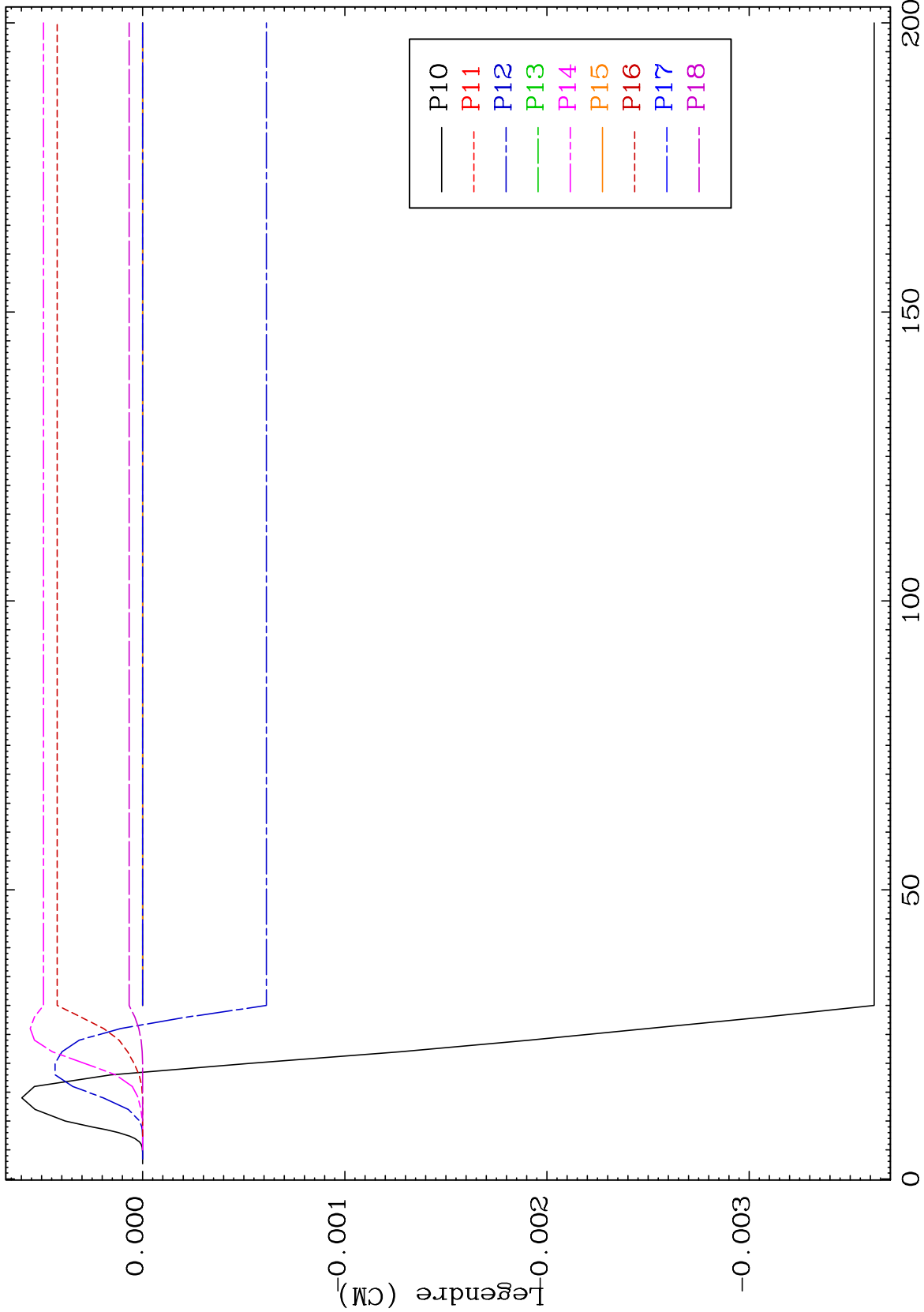
97



MAT 5813

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

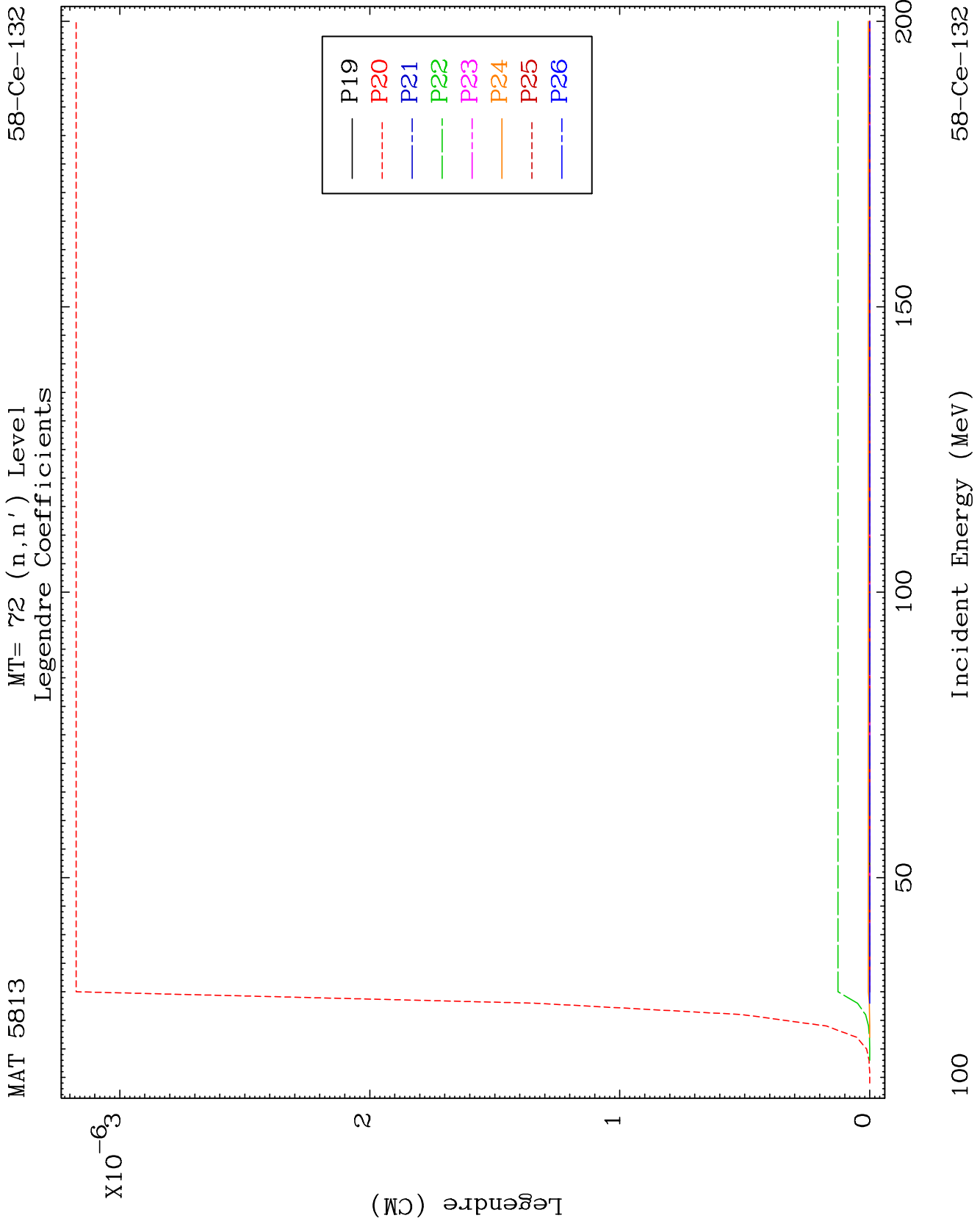
58-Ce-132



99

Incident Energy (MeV)

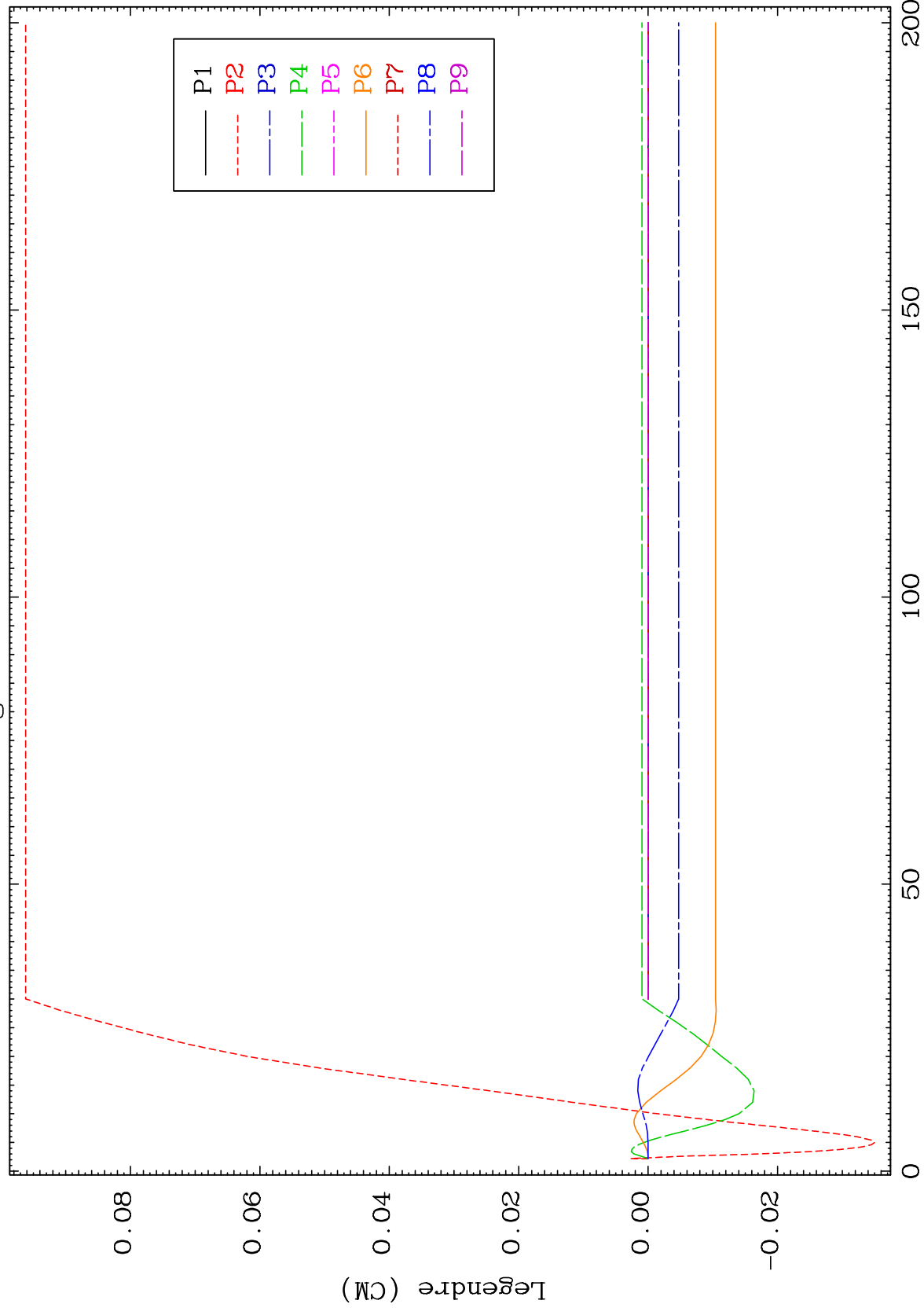
58-Ce-132



MAT 5813

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

58-Ce-132



101

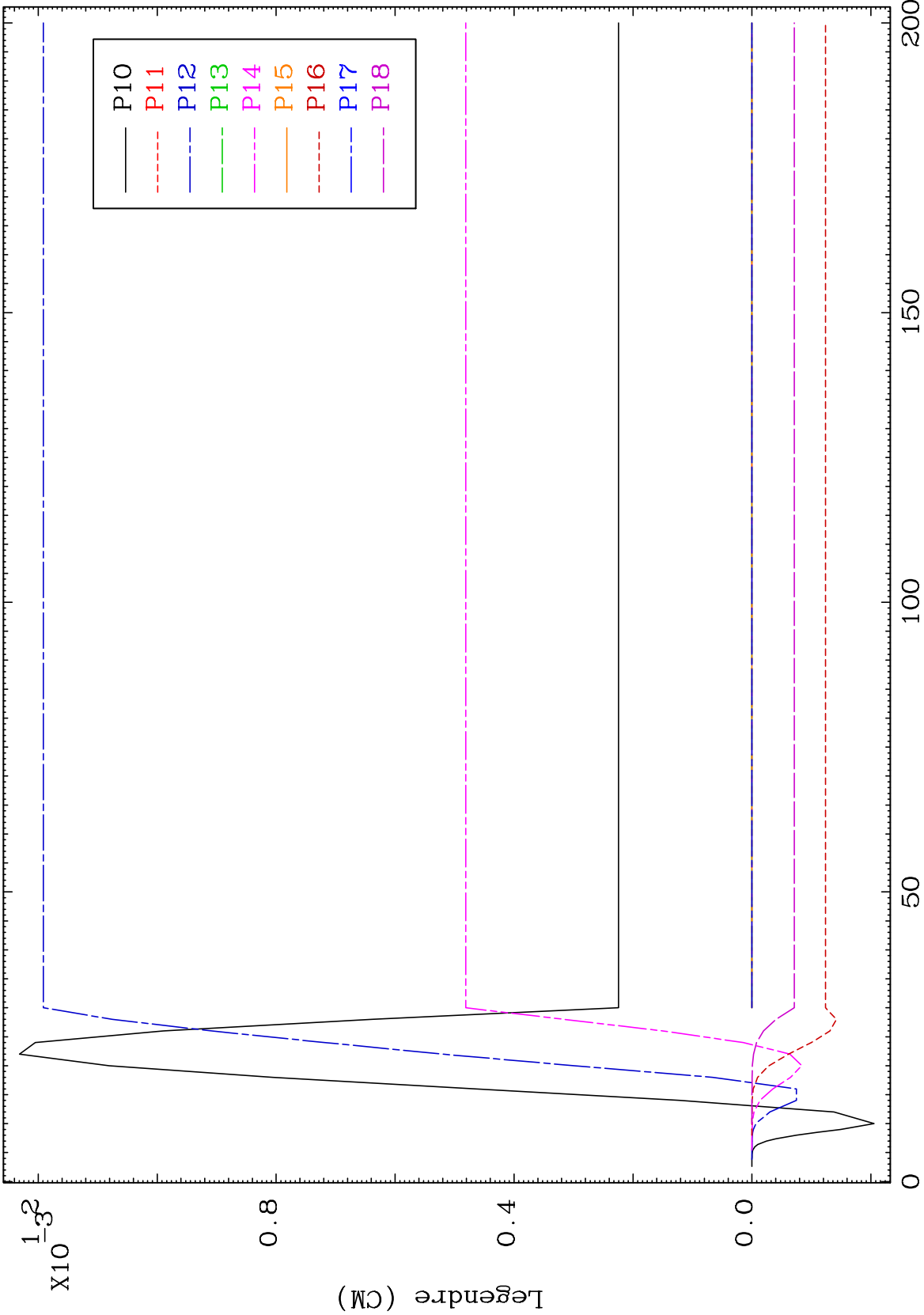
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

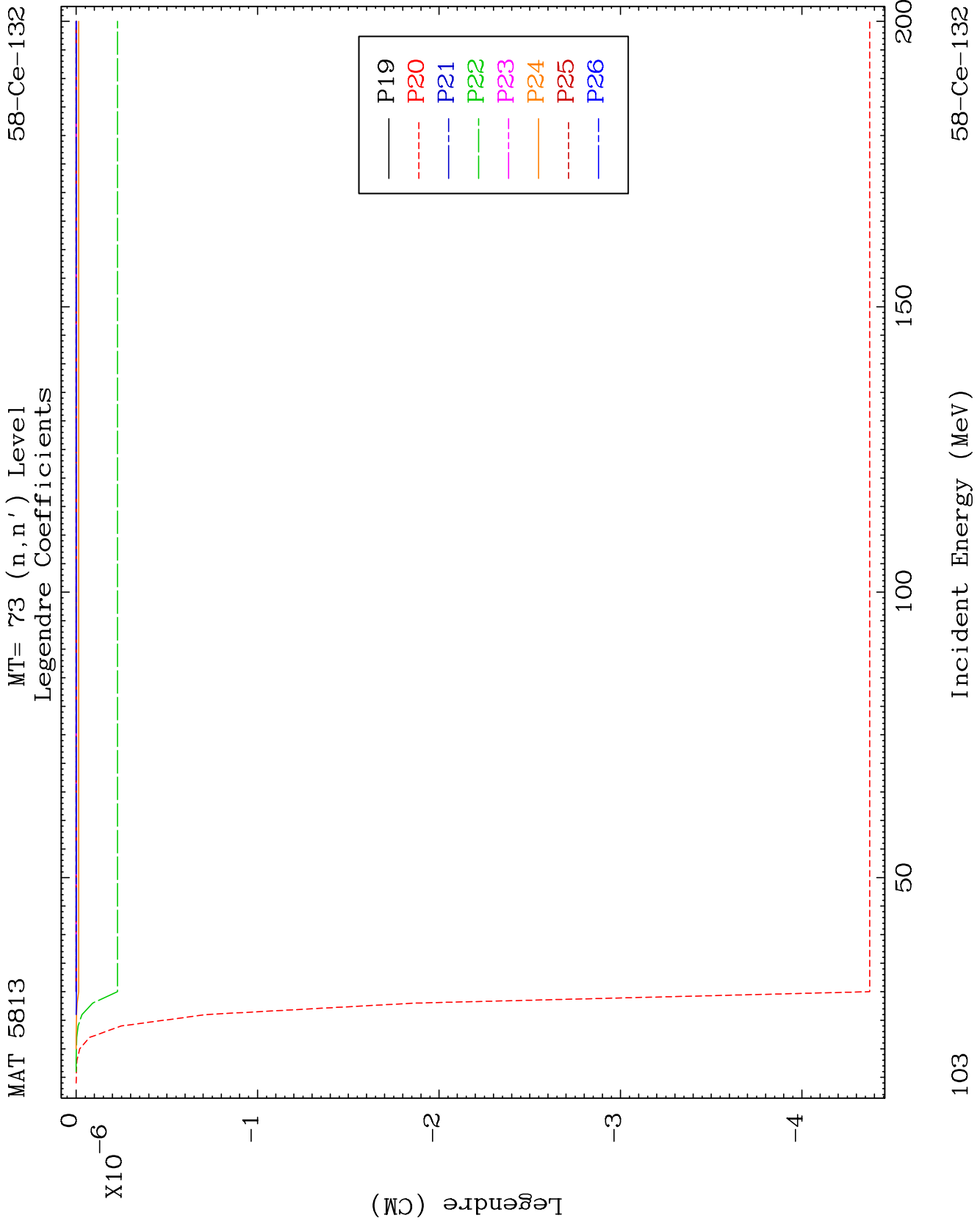
58-Ce-132

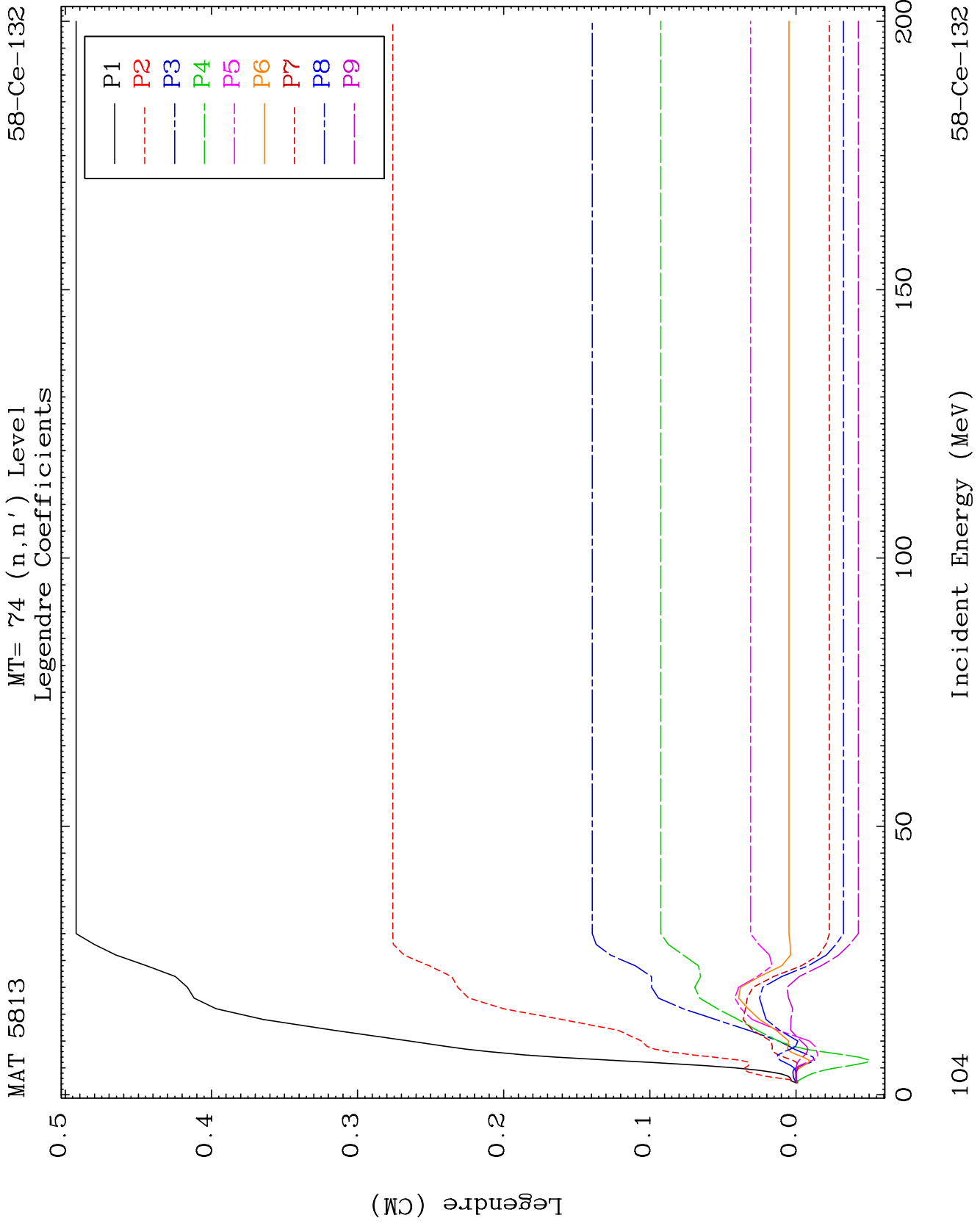


102

Incident Energy (MeV)

58-Ce-132

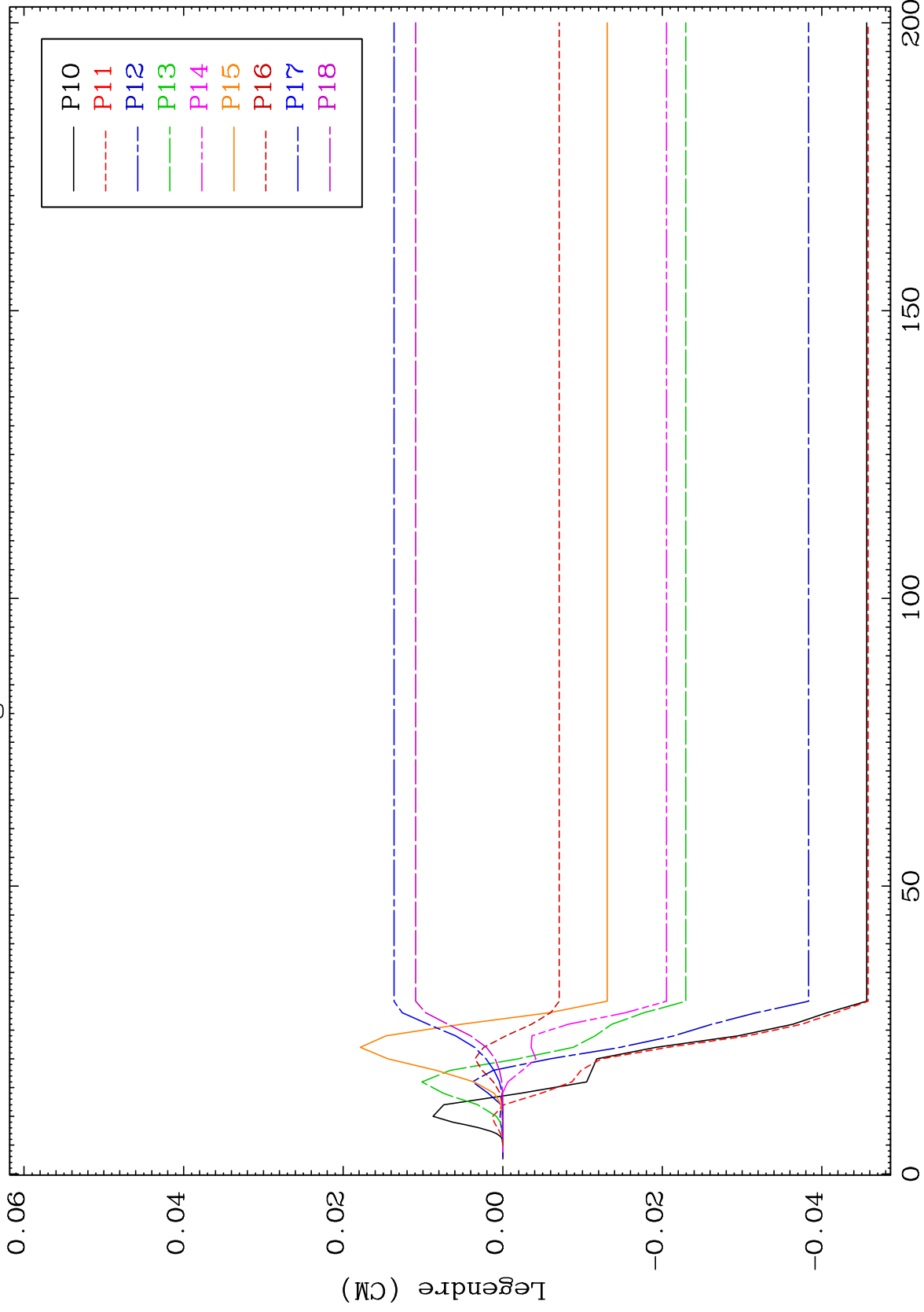




MAT 5813

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

58-Ce-132



105

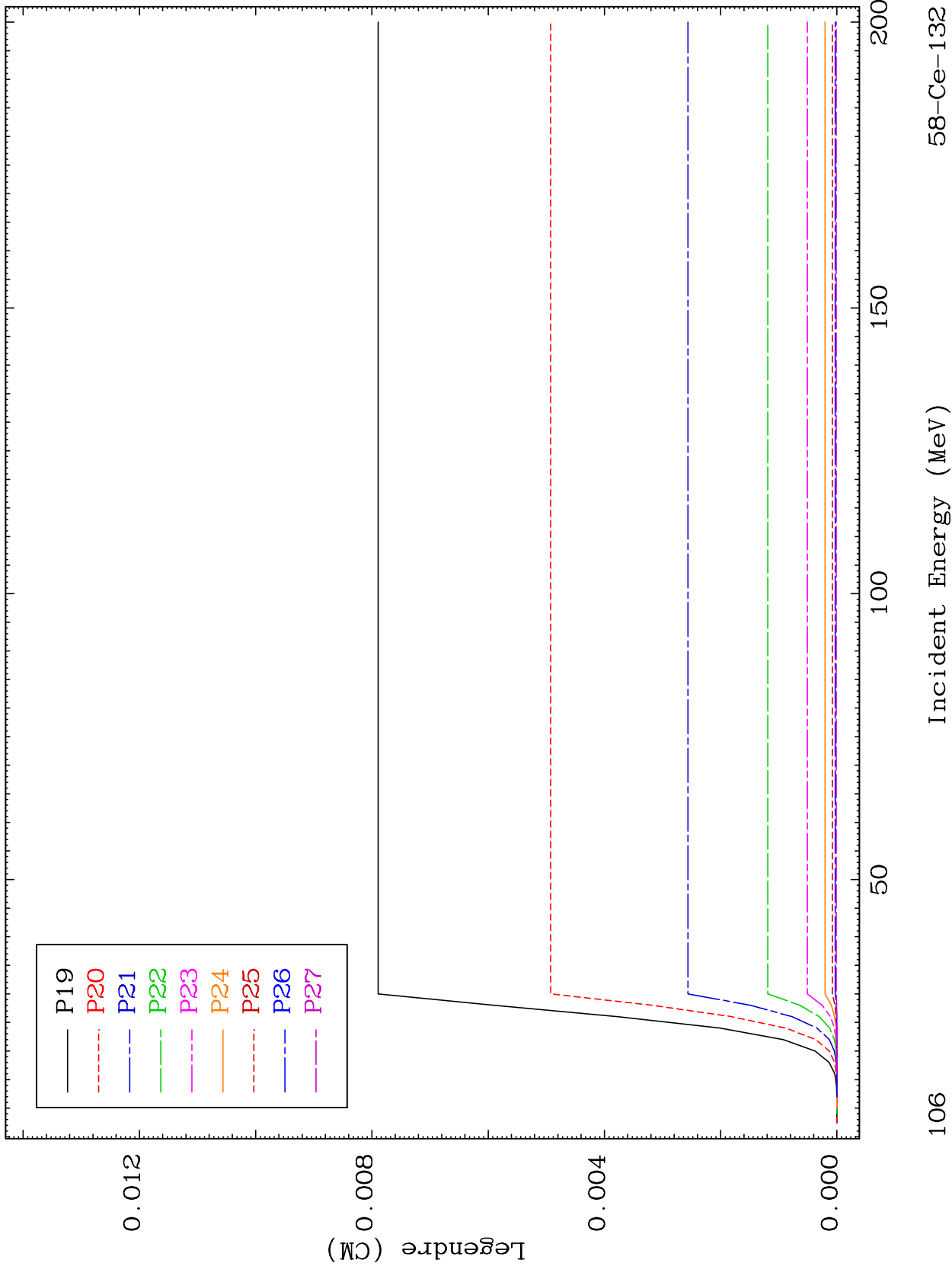
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



106

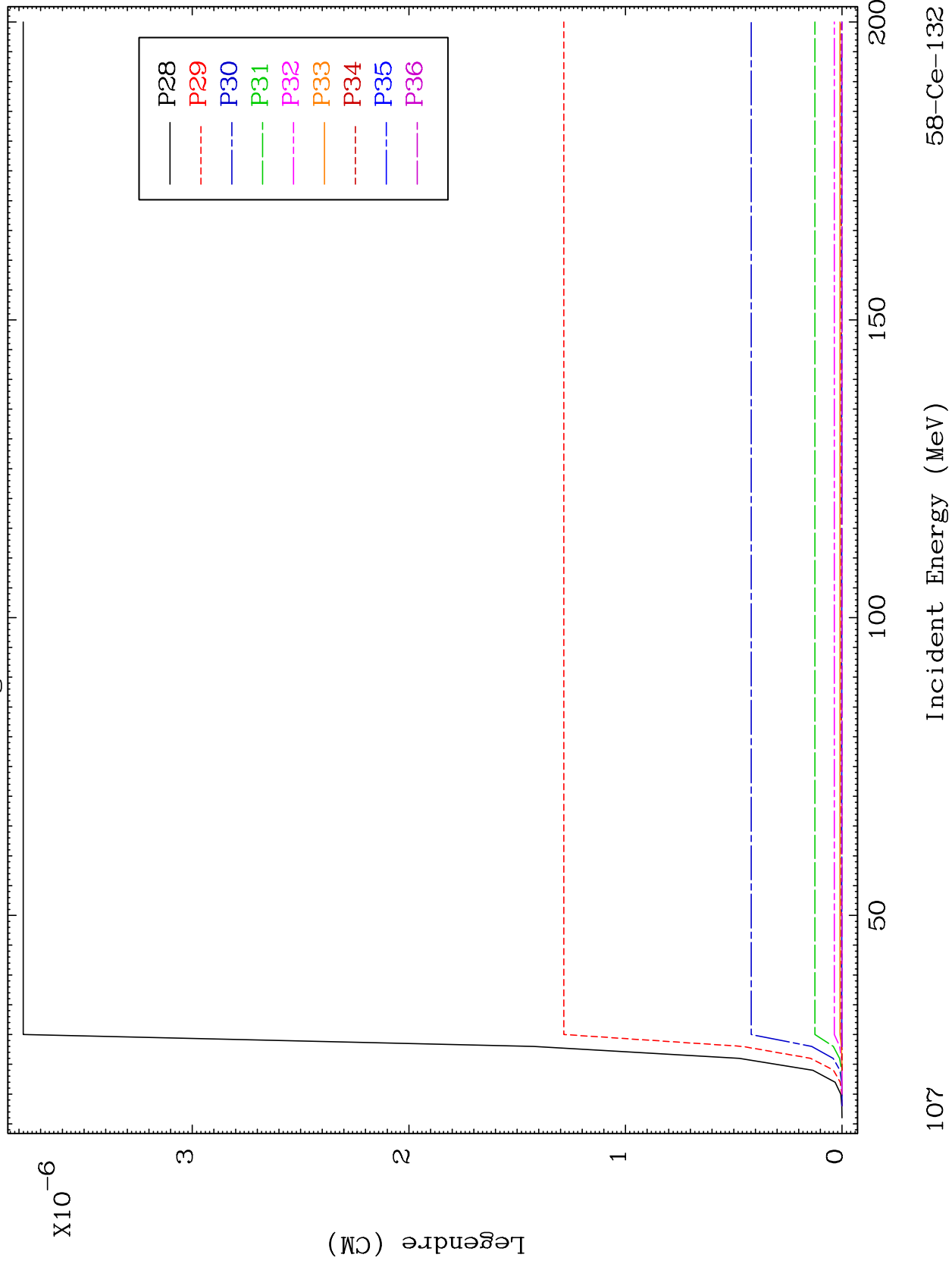
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

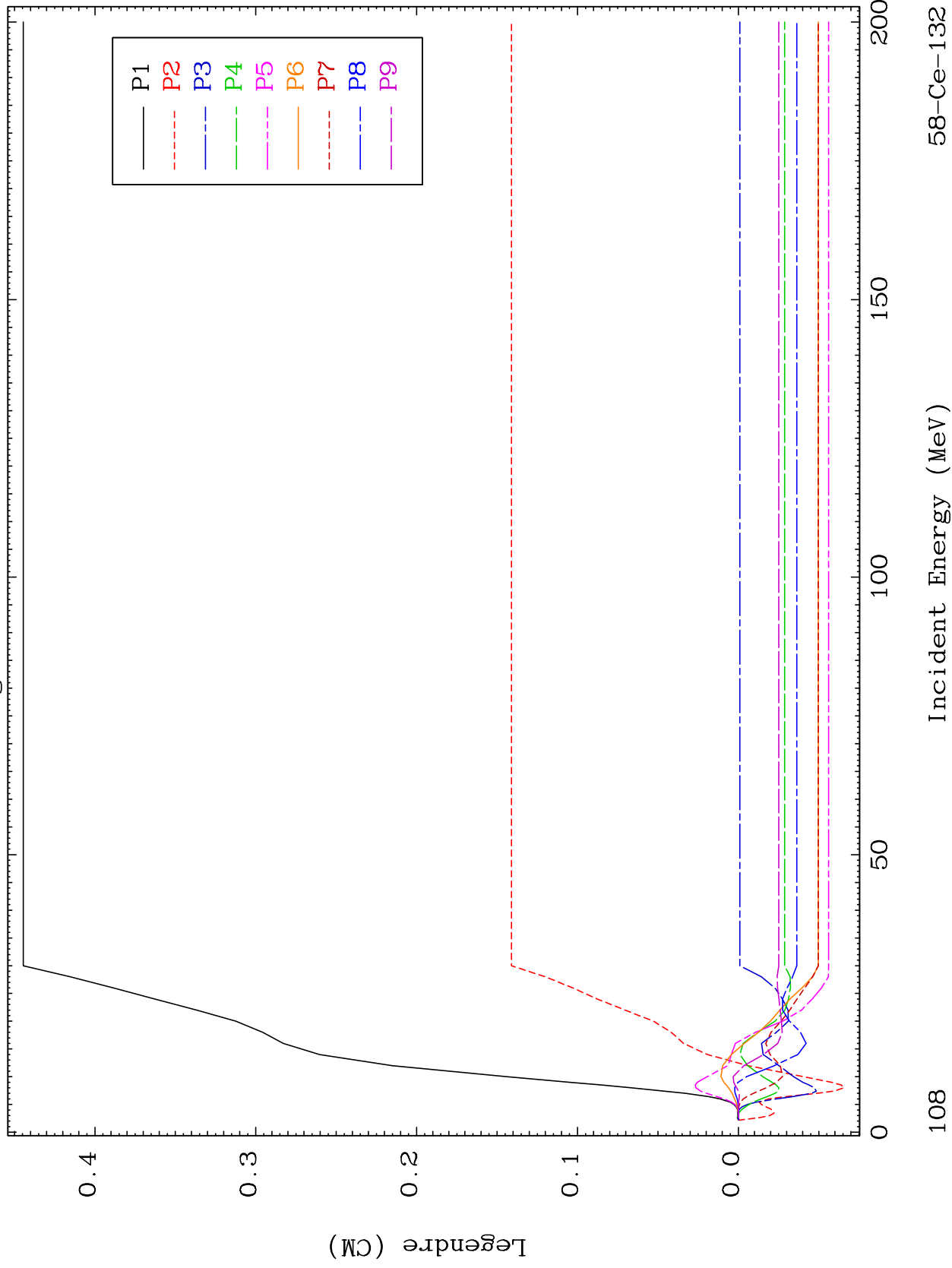
58-Ce-132



MAT 5813

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

58-Ce-132



58-Ce-132

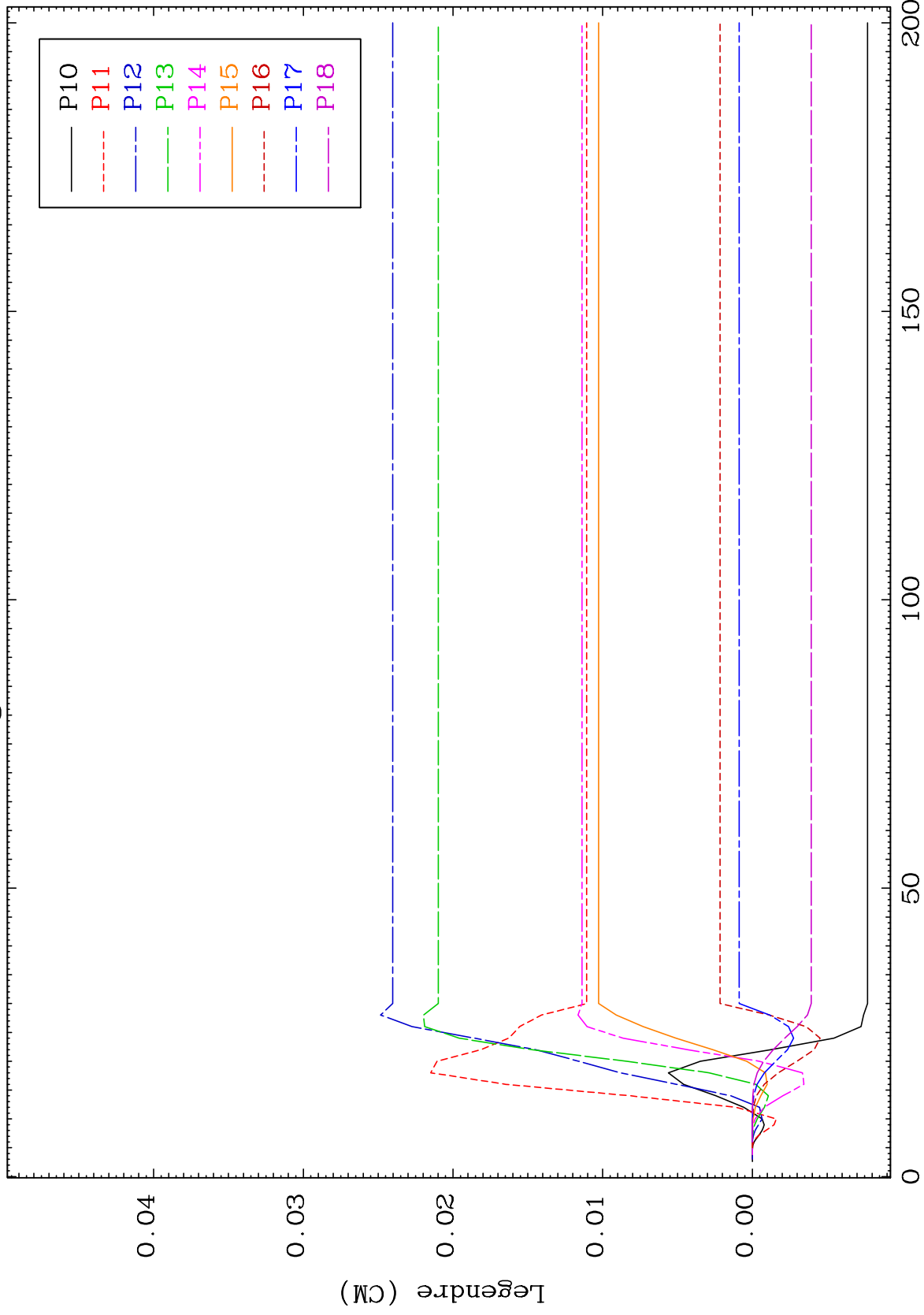
Incident Energy (MeV)

108

MAT 5813

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

58-Ce-132



109

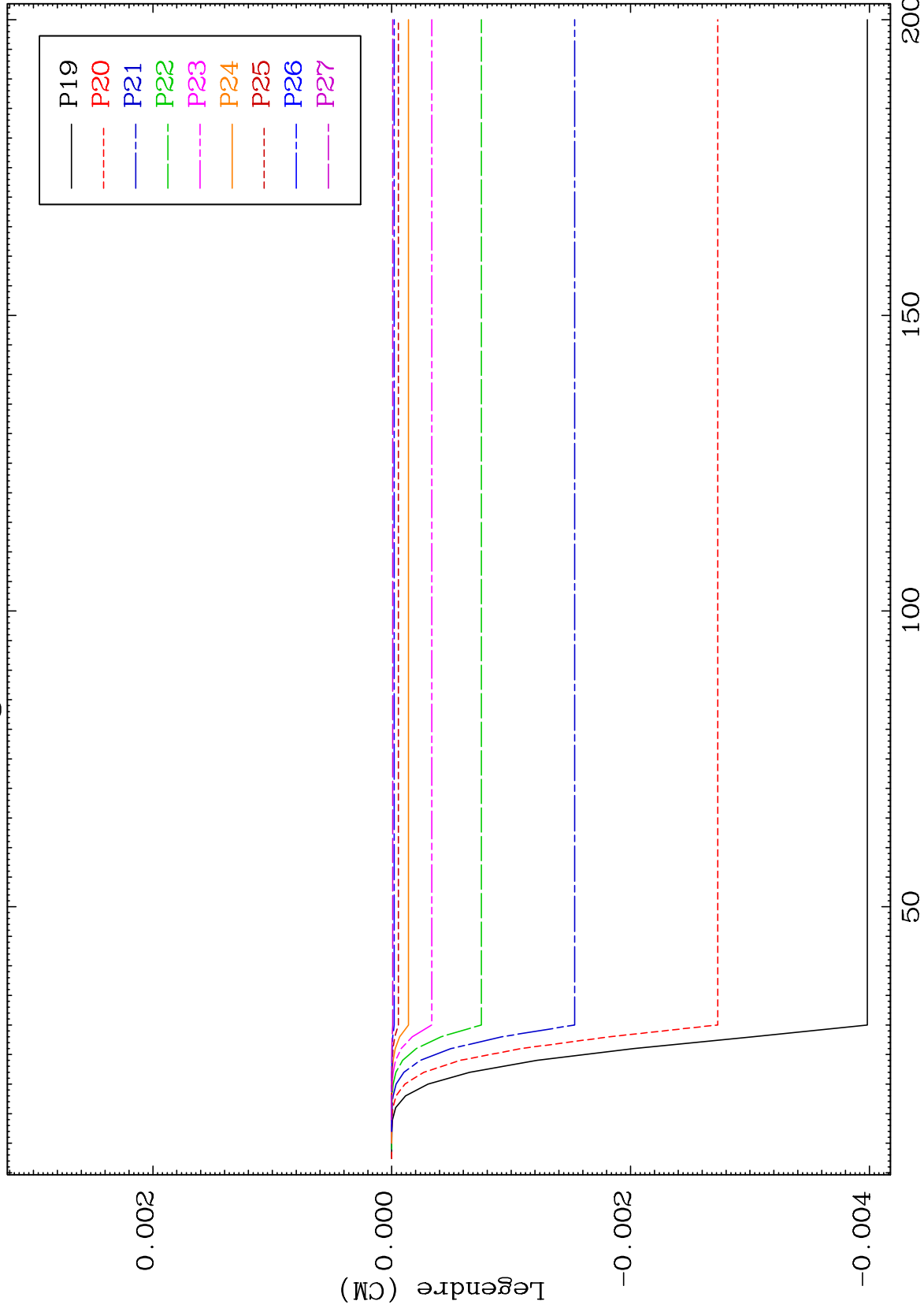
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

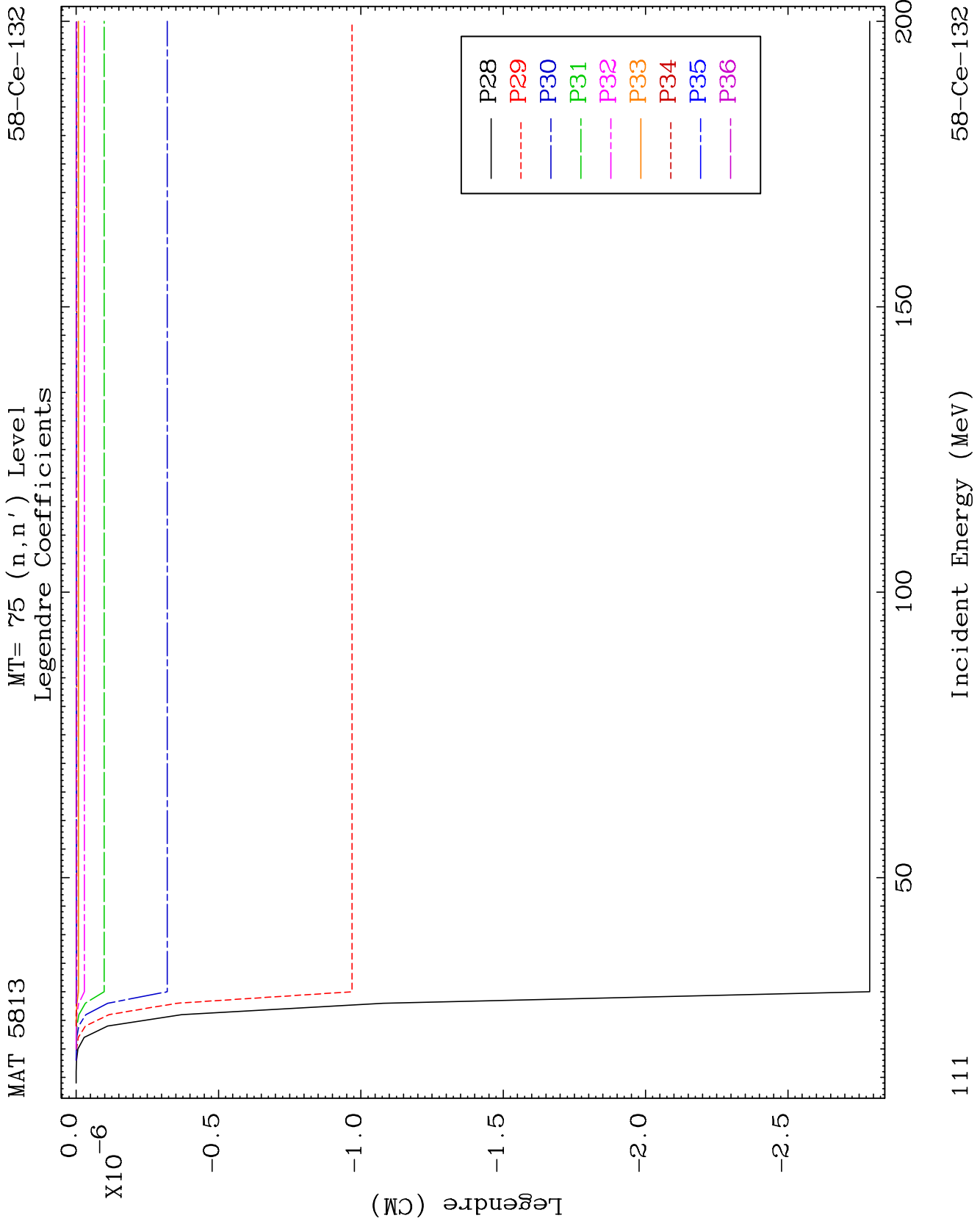
58-Ce-132

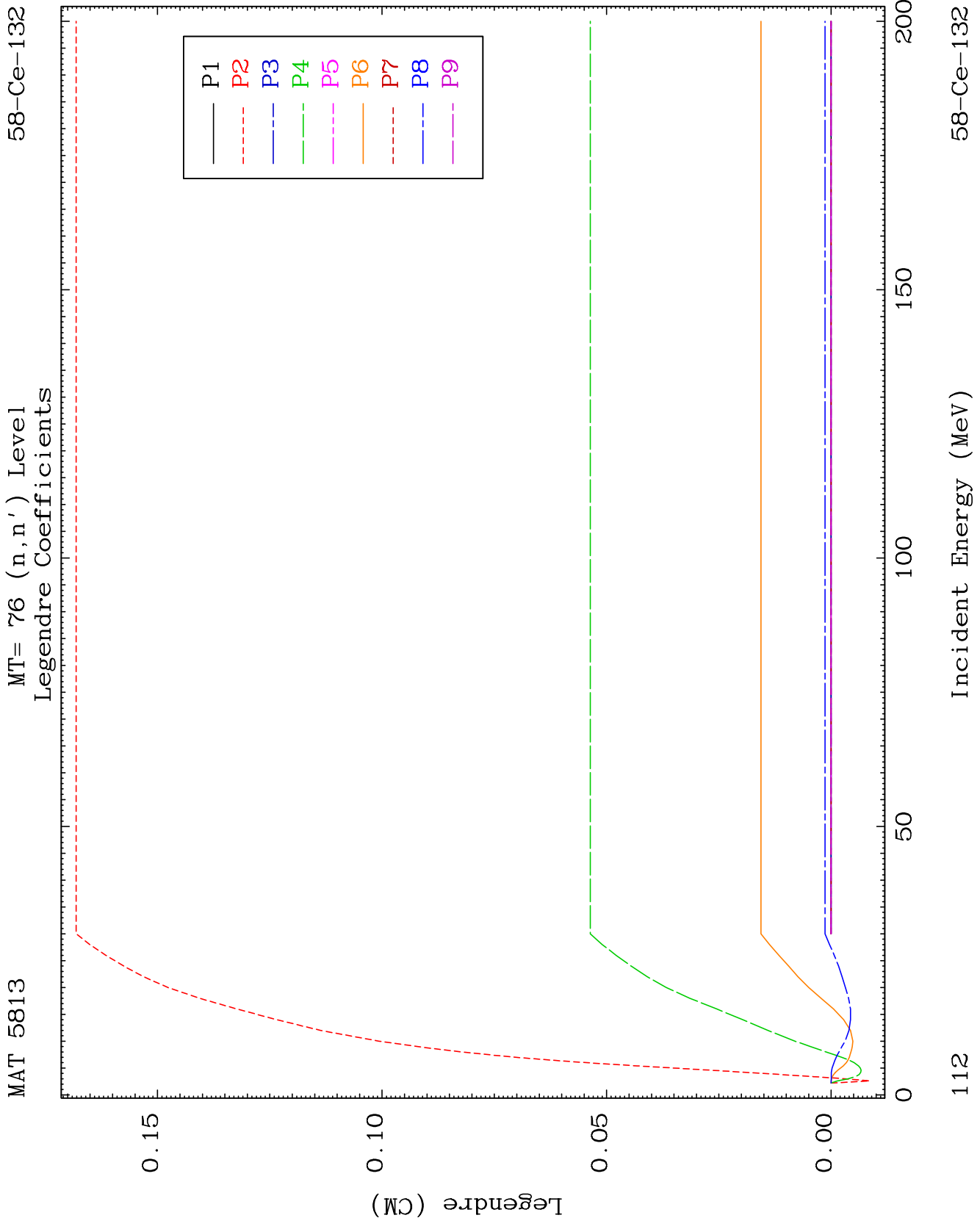


110

Incident Energy (MeV)

58-Ce-132

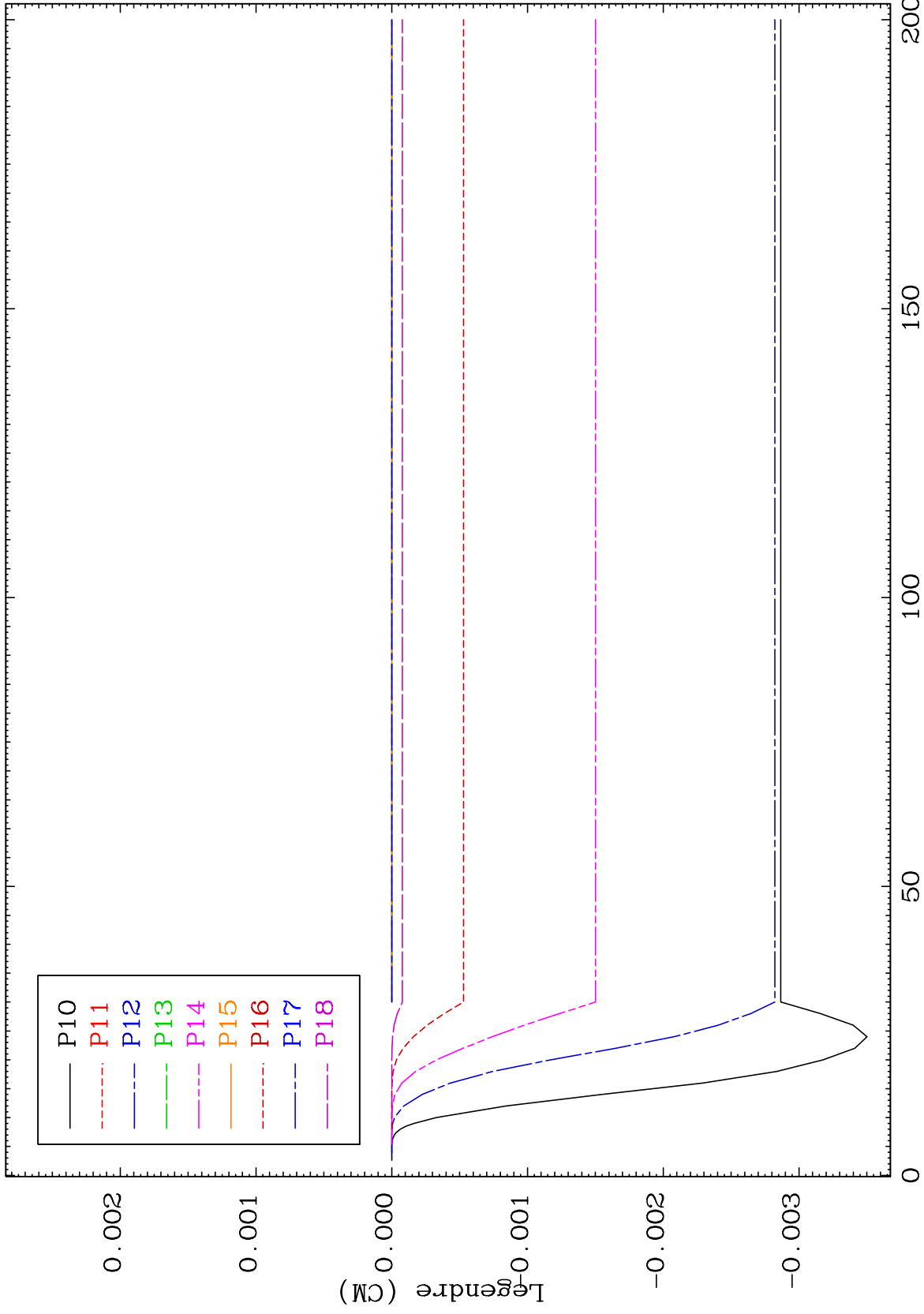




MAT 5813

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

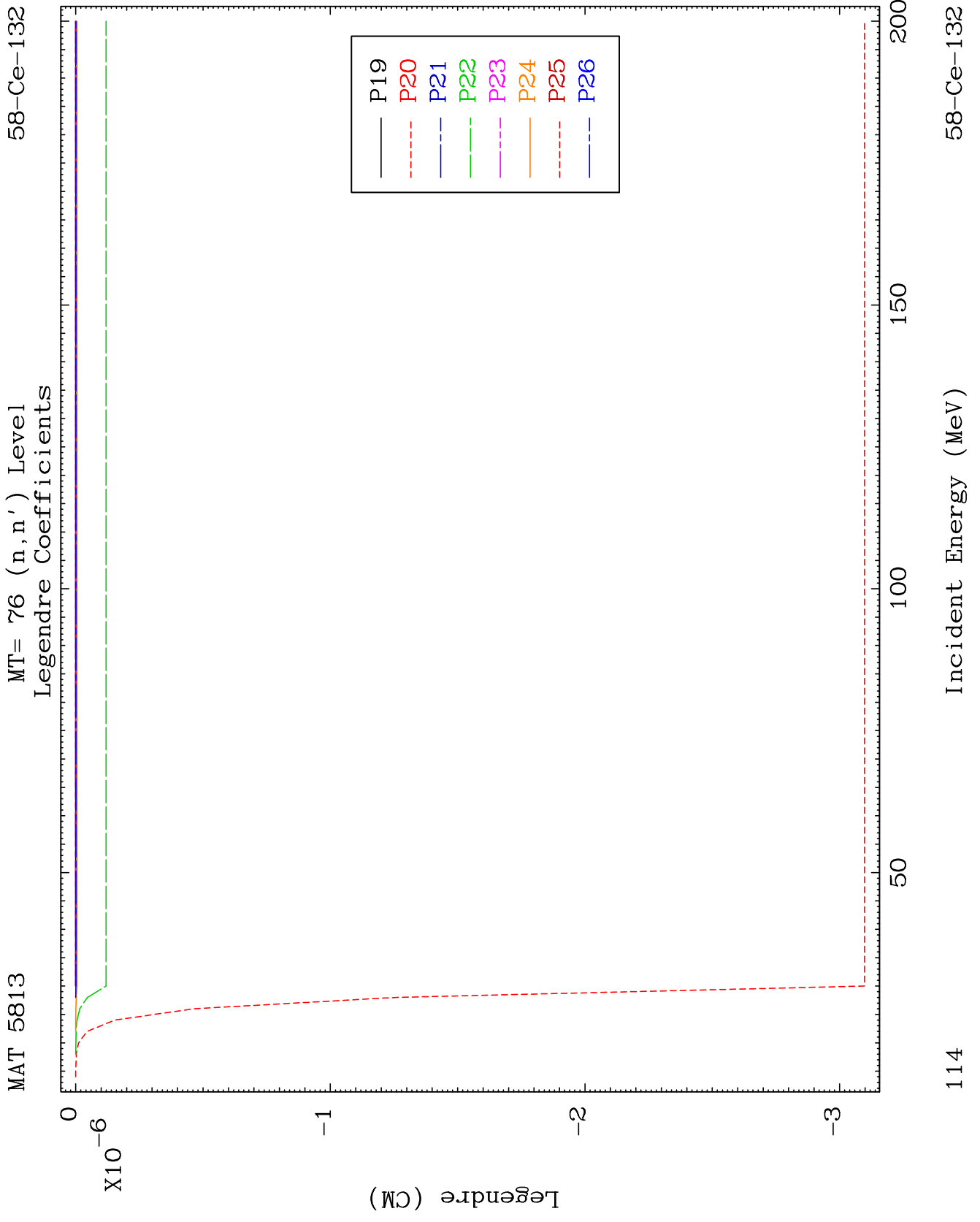
58-Ce-132



113

Incident Energy (MeV)

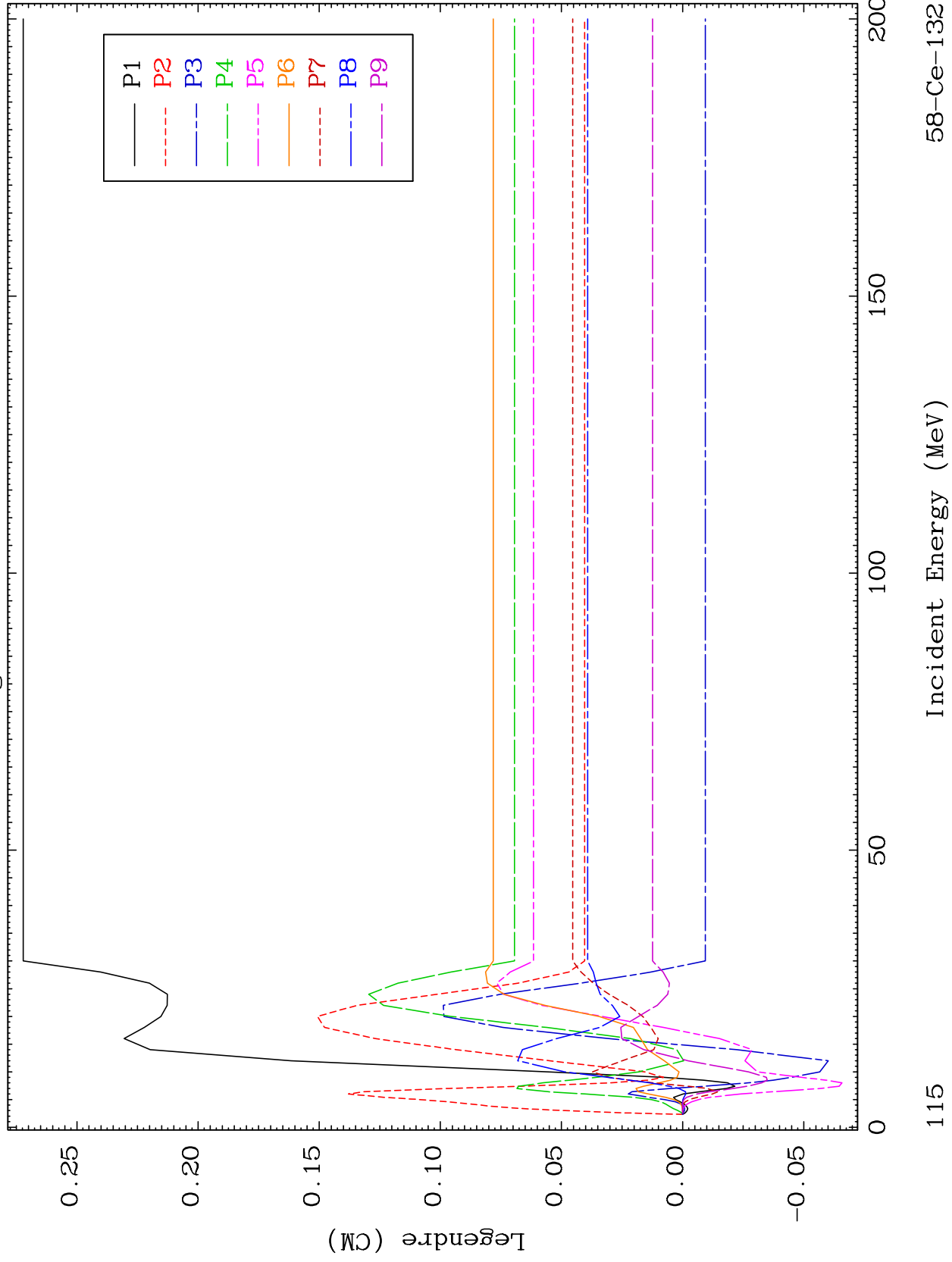
58-Ce-132



MAT 5813

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

58-Ce-132



58-Ce-132

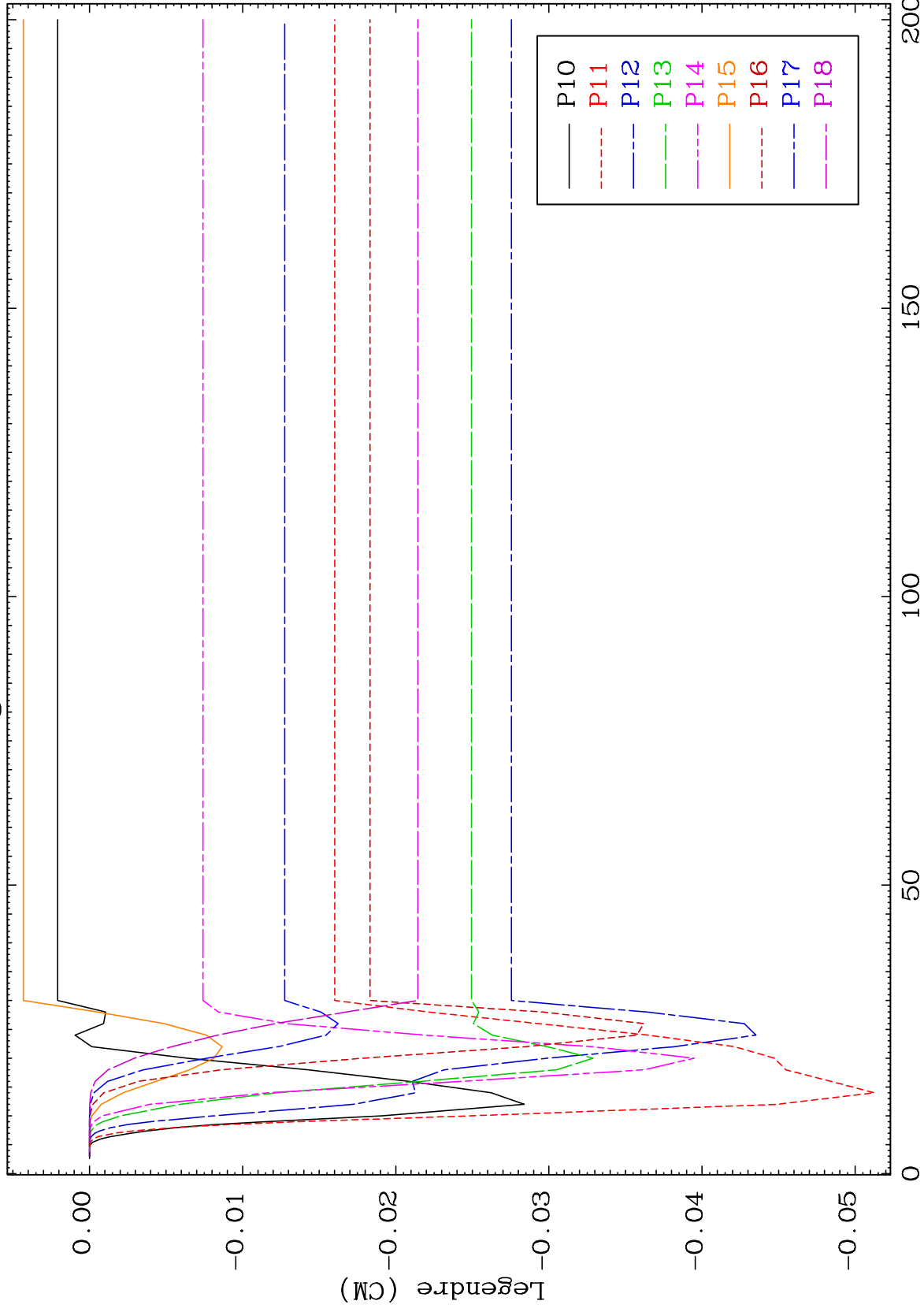
Incident Energy (MeV)

115

MAT 5813

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

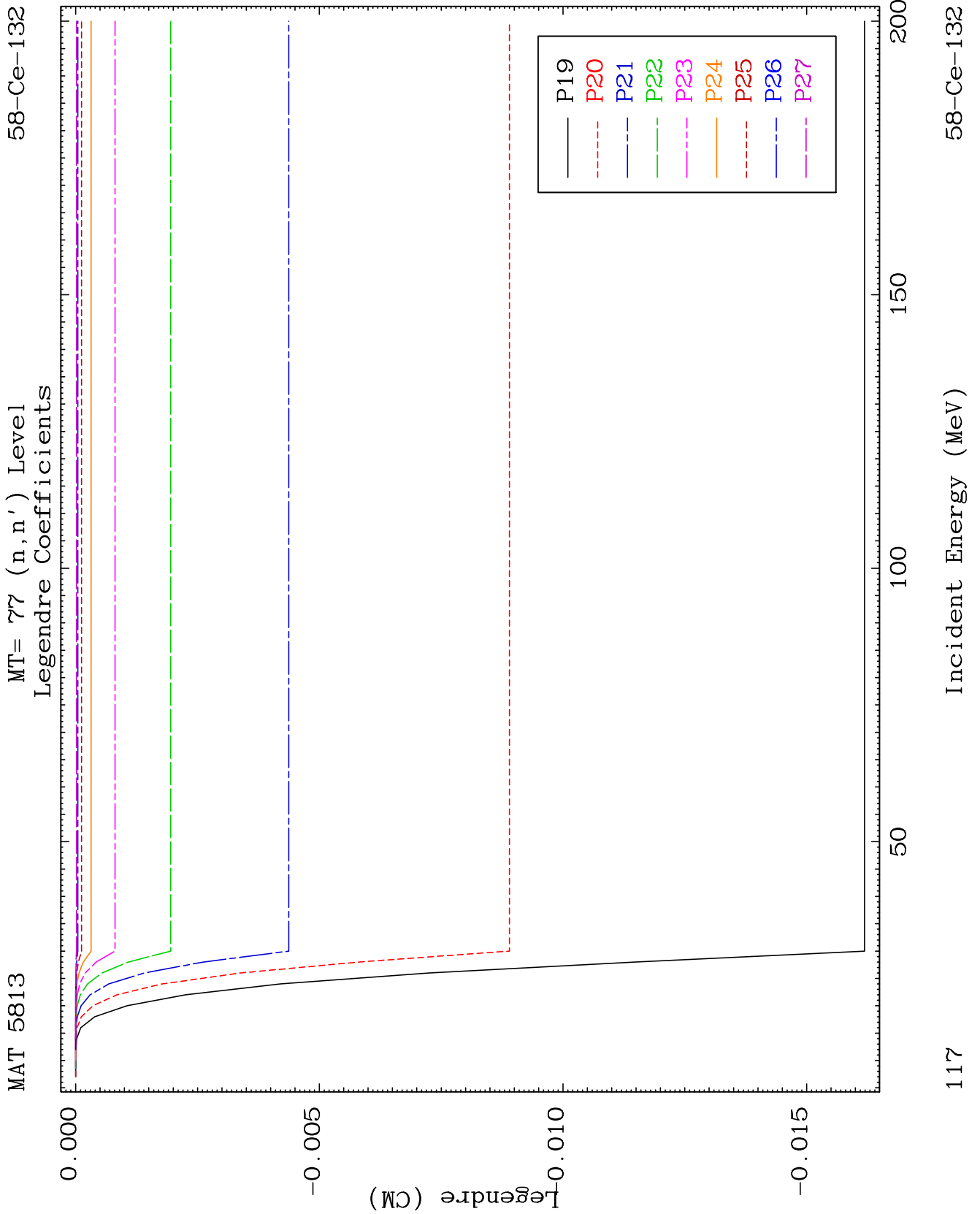
58-Ce-132



116

Incident Energy (MeV)

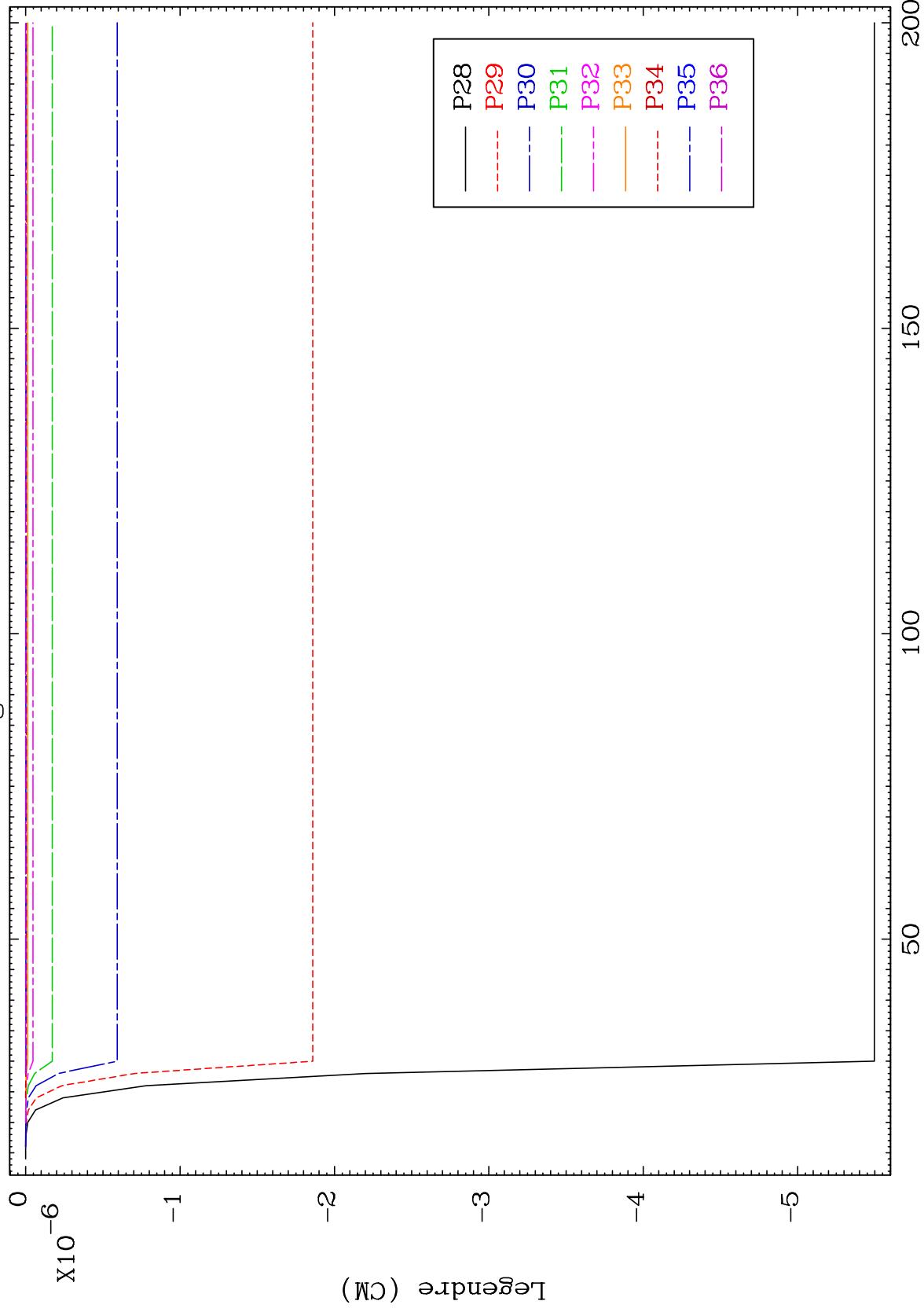
58-Ce-132



MAT 5813

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

58-Ce-132



118

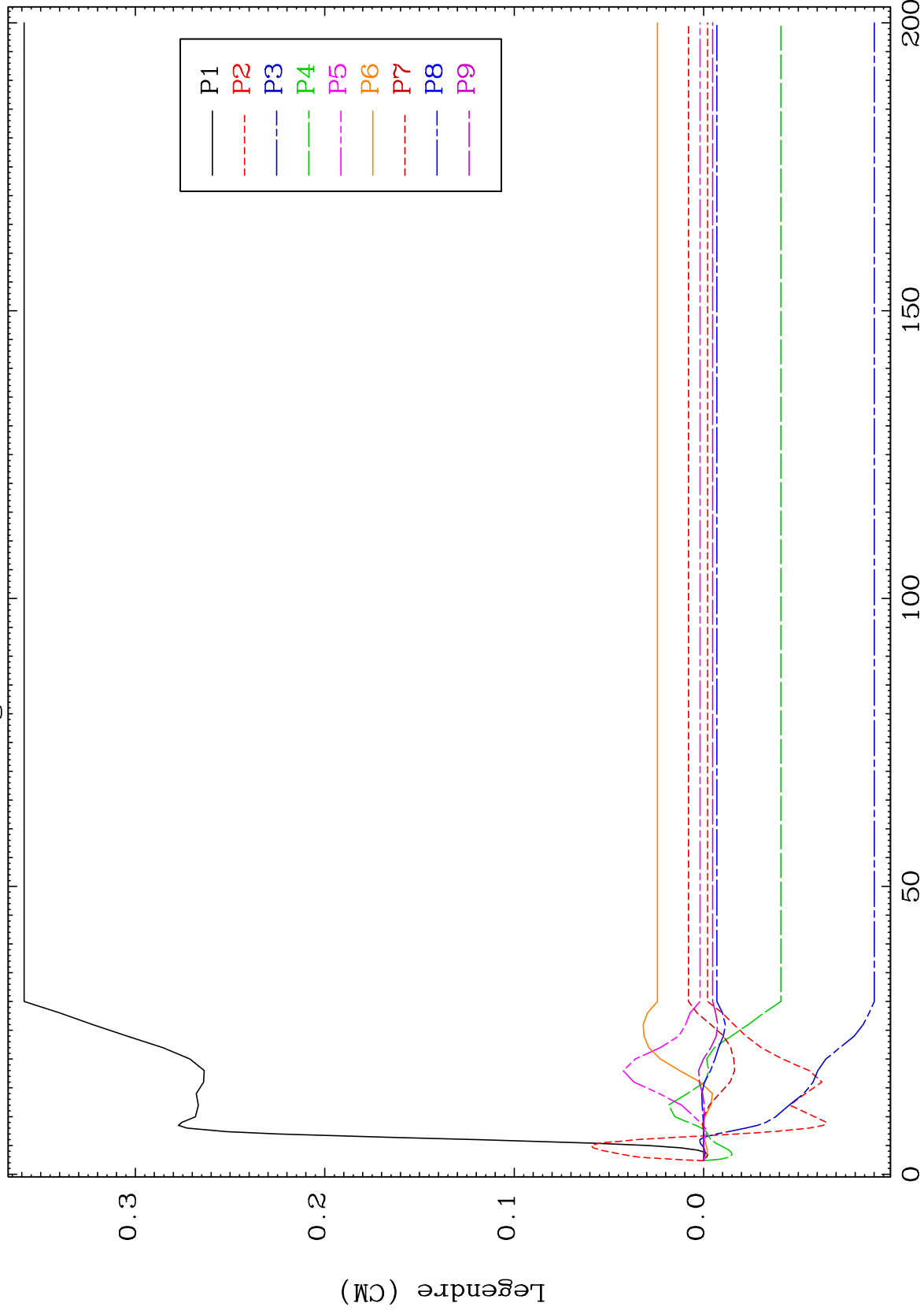
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



119

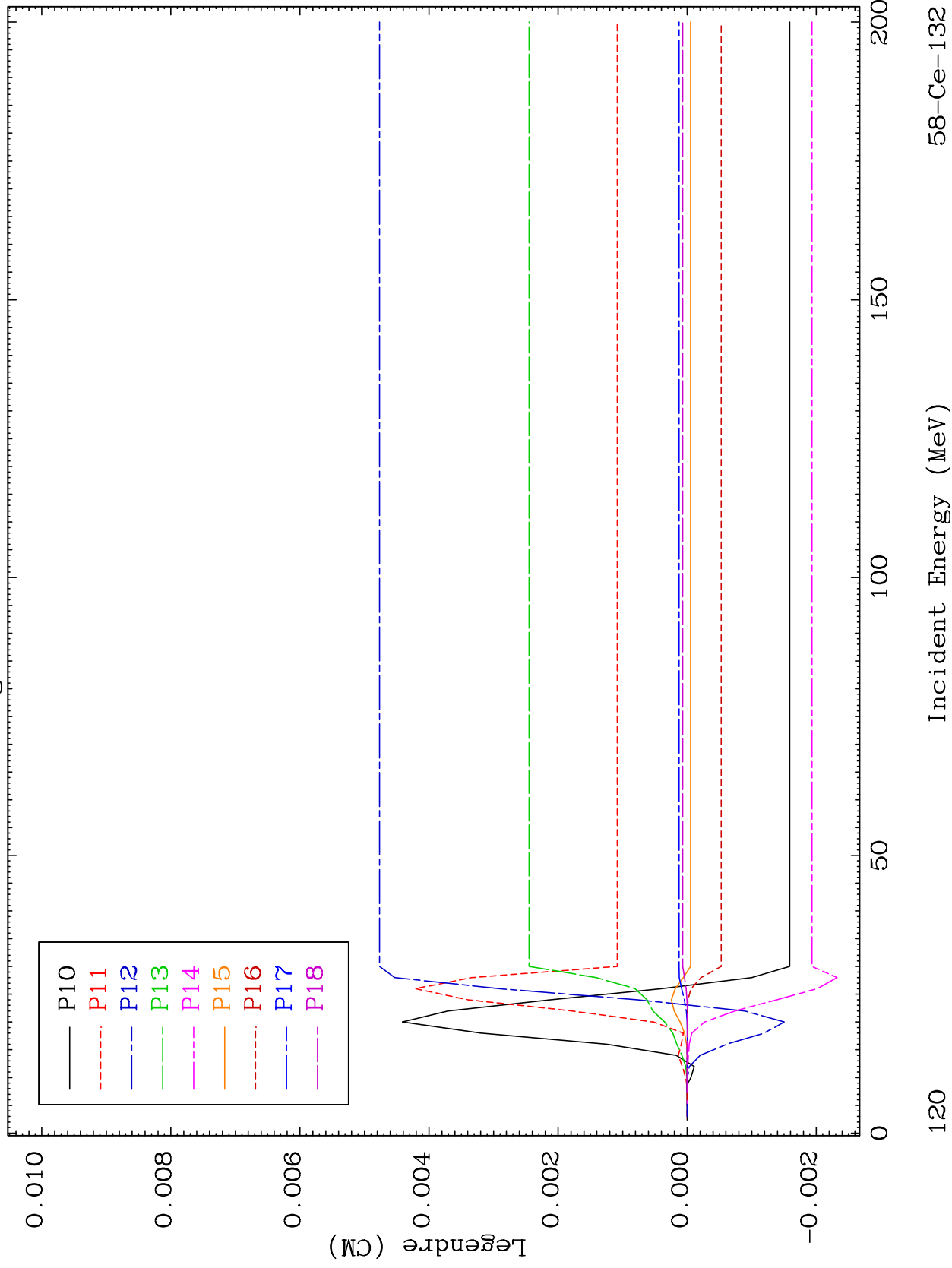
Incident Energy (MeV)

58-Ce-132

MAT 5813

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

58-Ce-132



58-Ce-132

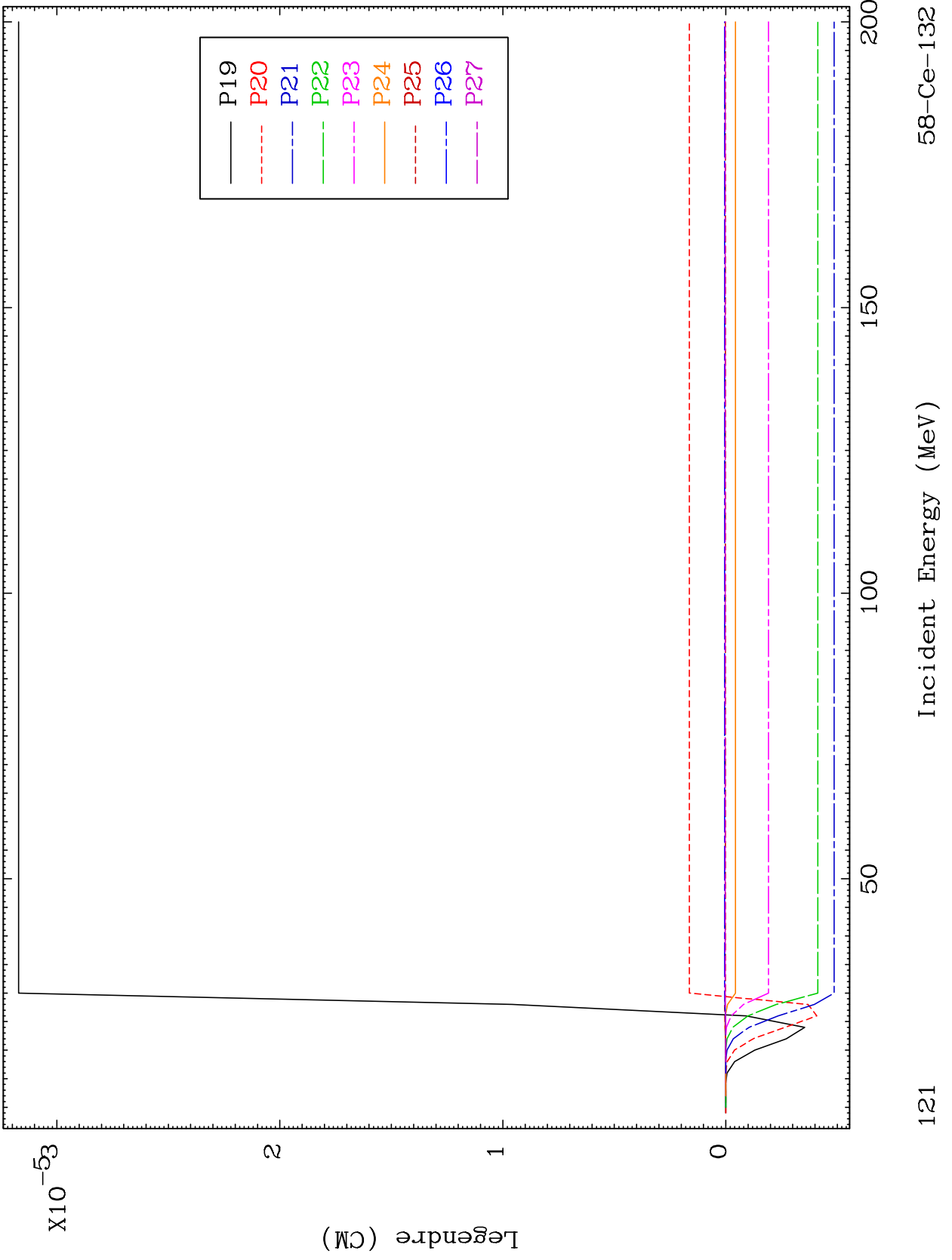
Incident Energy (MeV)

120

MAT 5813

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

58-Ce-132



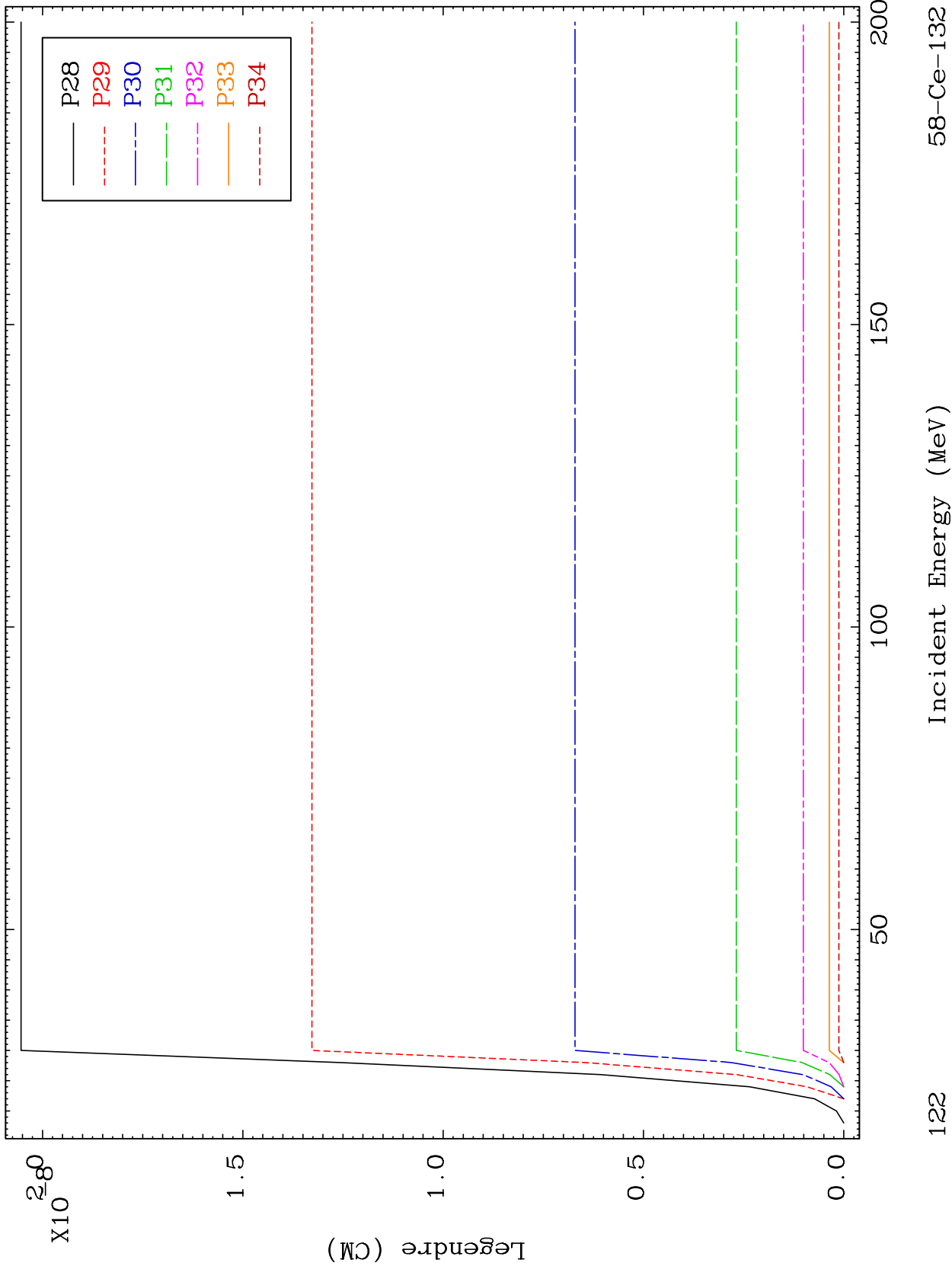
121

58-Ce-132

MAT 5813

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

58-Ce-132

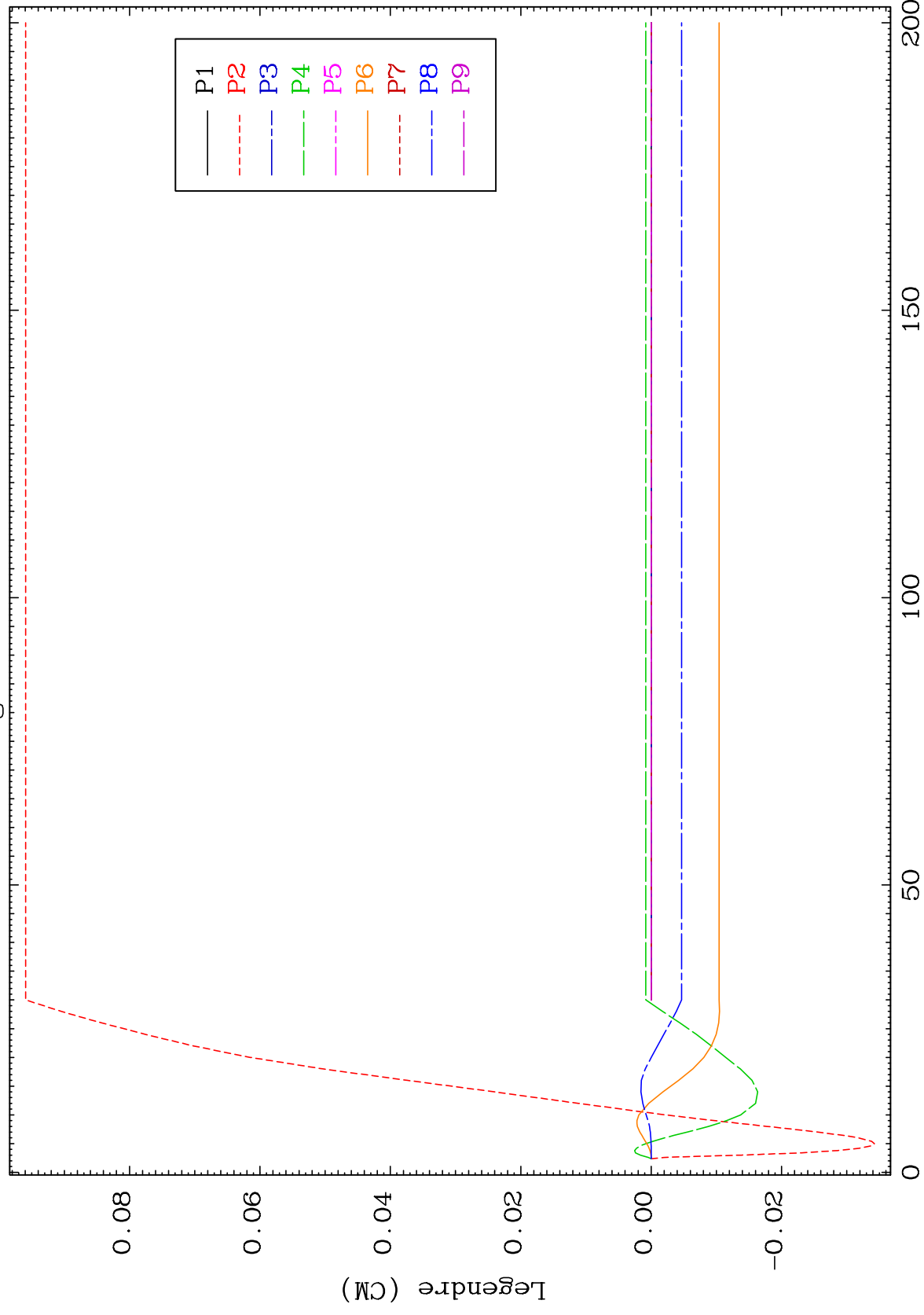


122

MAT 5813

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

58-Ce-132



58-Ce-132

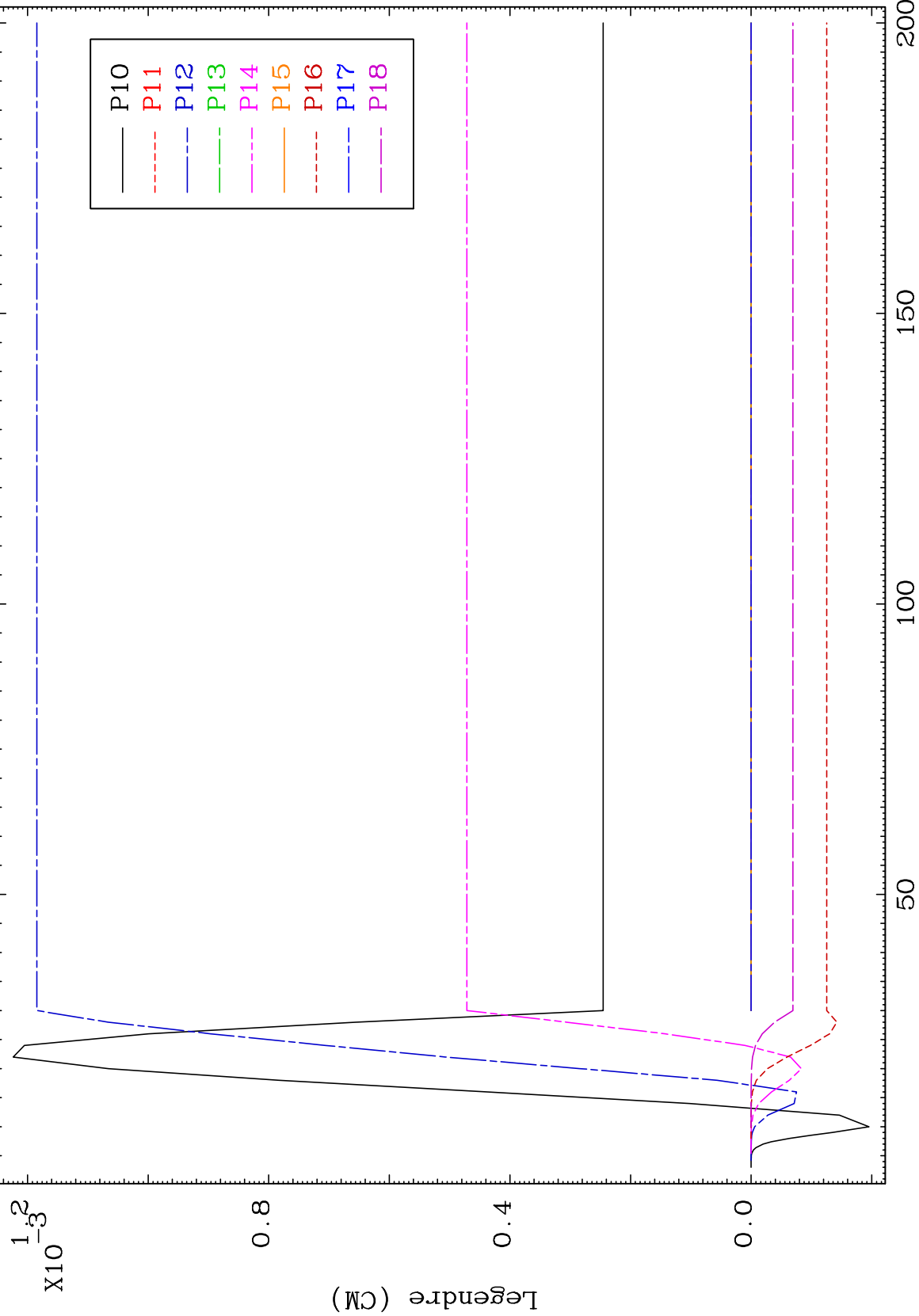
Incident Energy (MeV)

123

MAT 5813

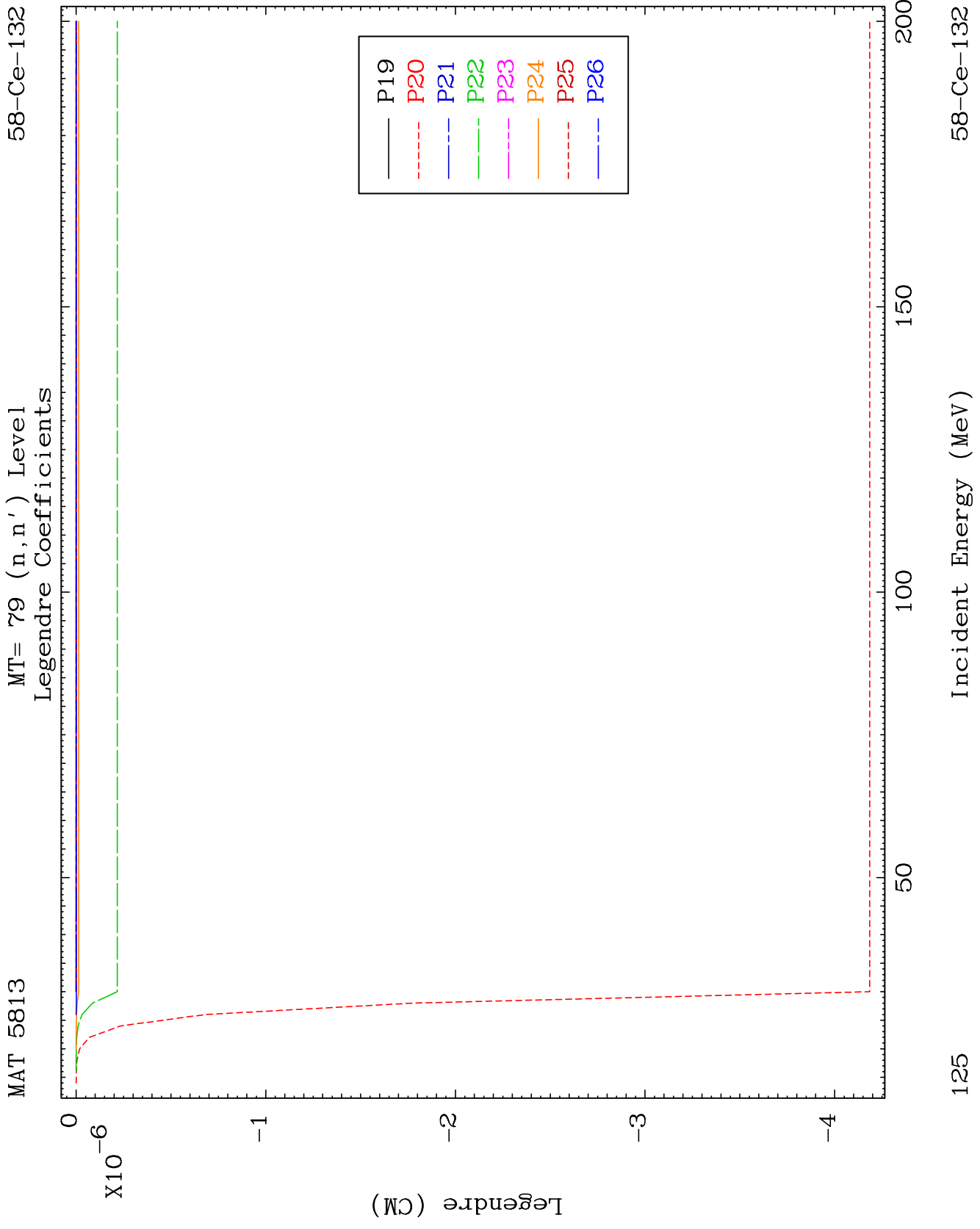
MT= 79 (n,n') Level
Legendre Coefficients

58-Ce-132



124

58-Ce-132

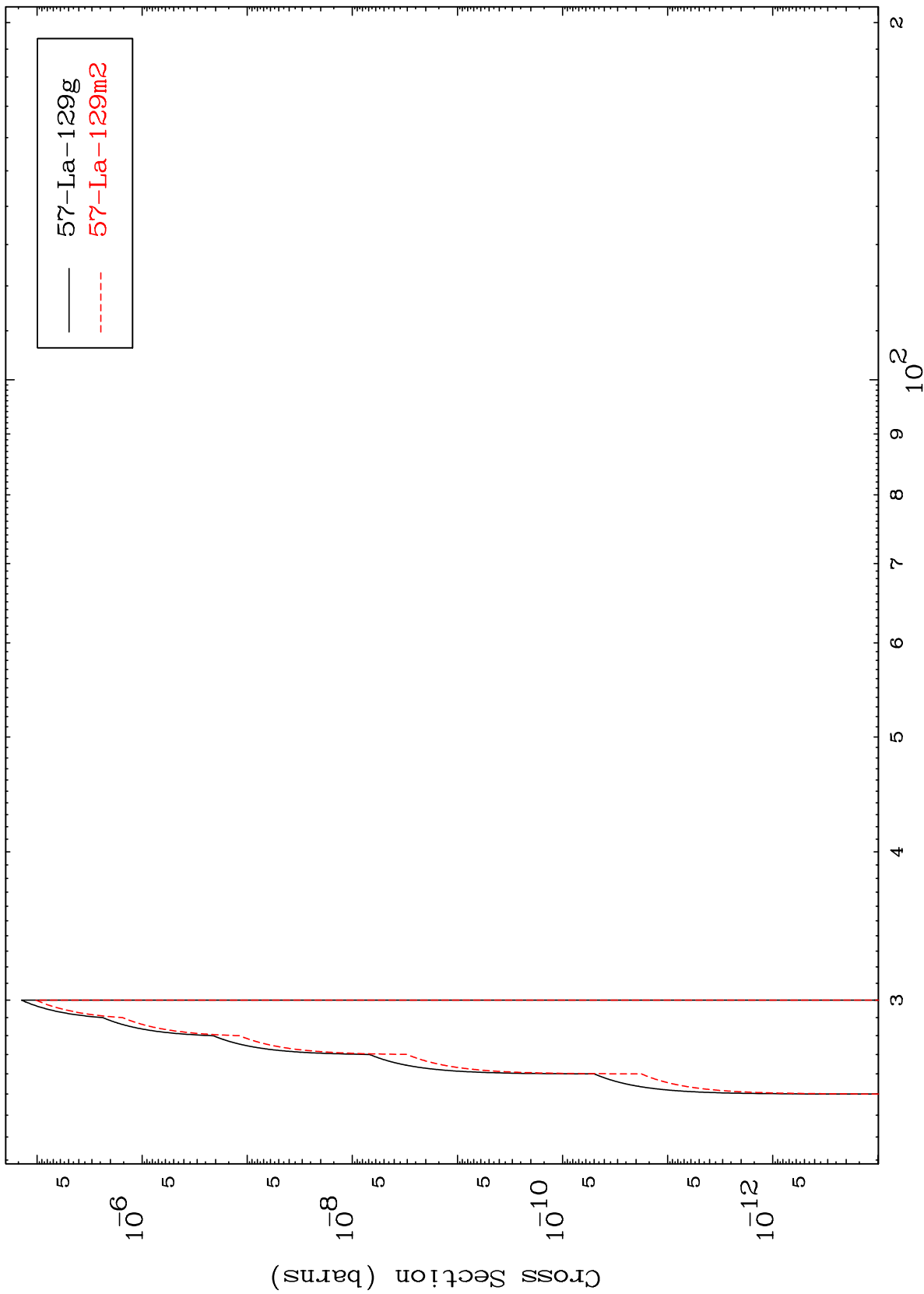


MAT 5813

(n,2n) d

58-Ce-132

Radionuclide Production Cross Section



126

Incident Energy (MeV)

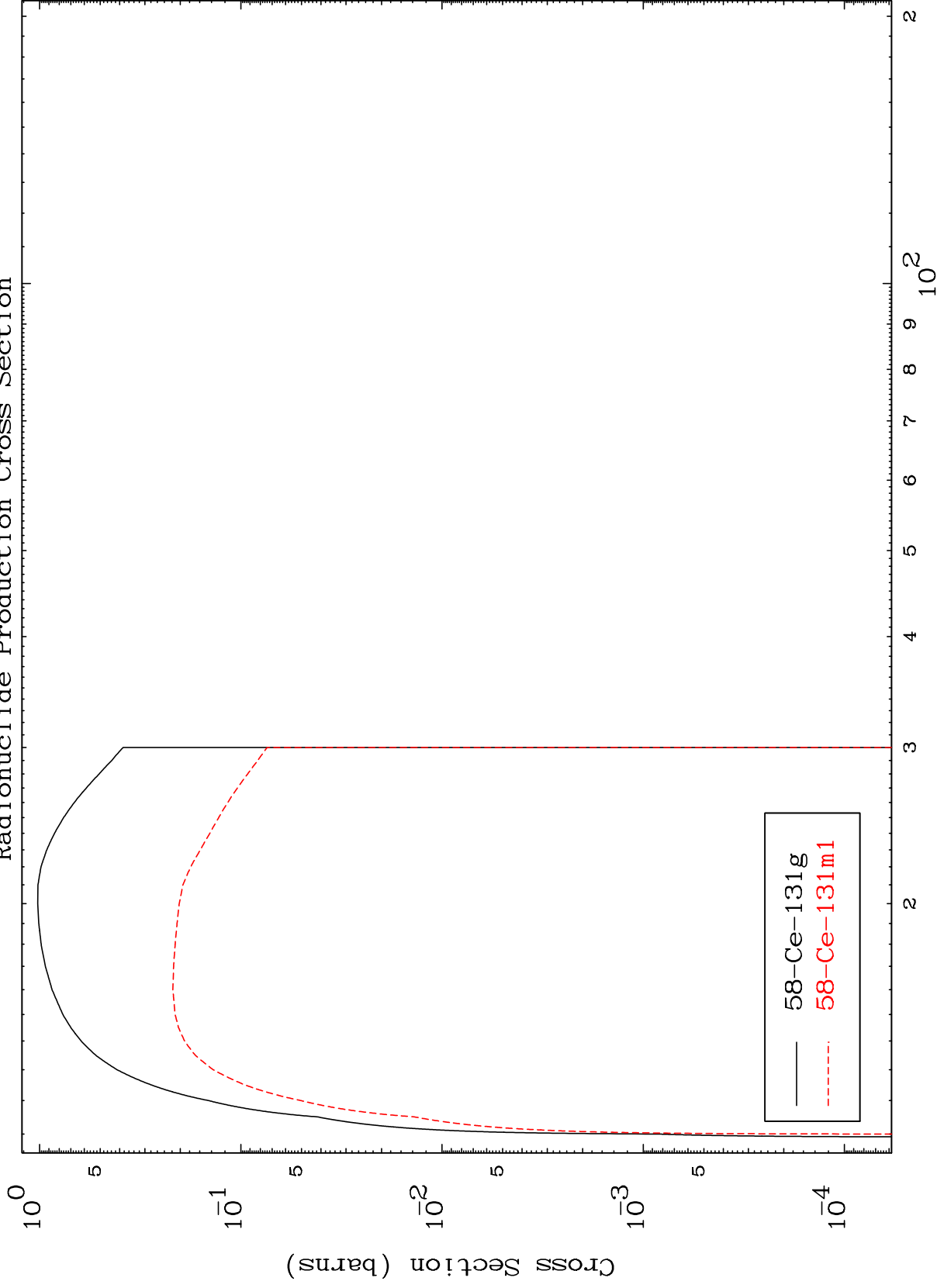
58-Ce-132

MAT 5813

(n,2n)

58-Ce-132

Radionuclide Production Cross Section



127

Incident Energy (MeV)

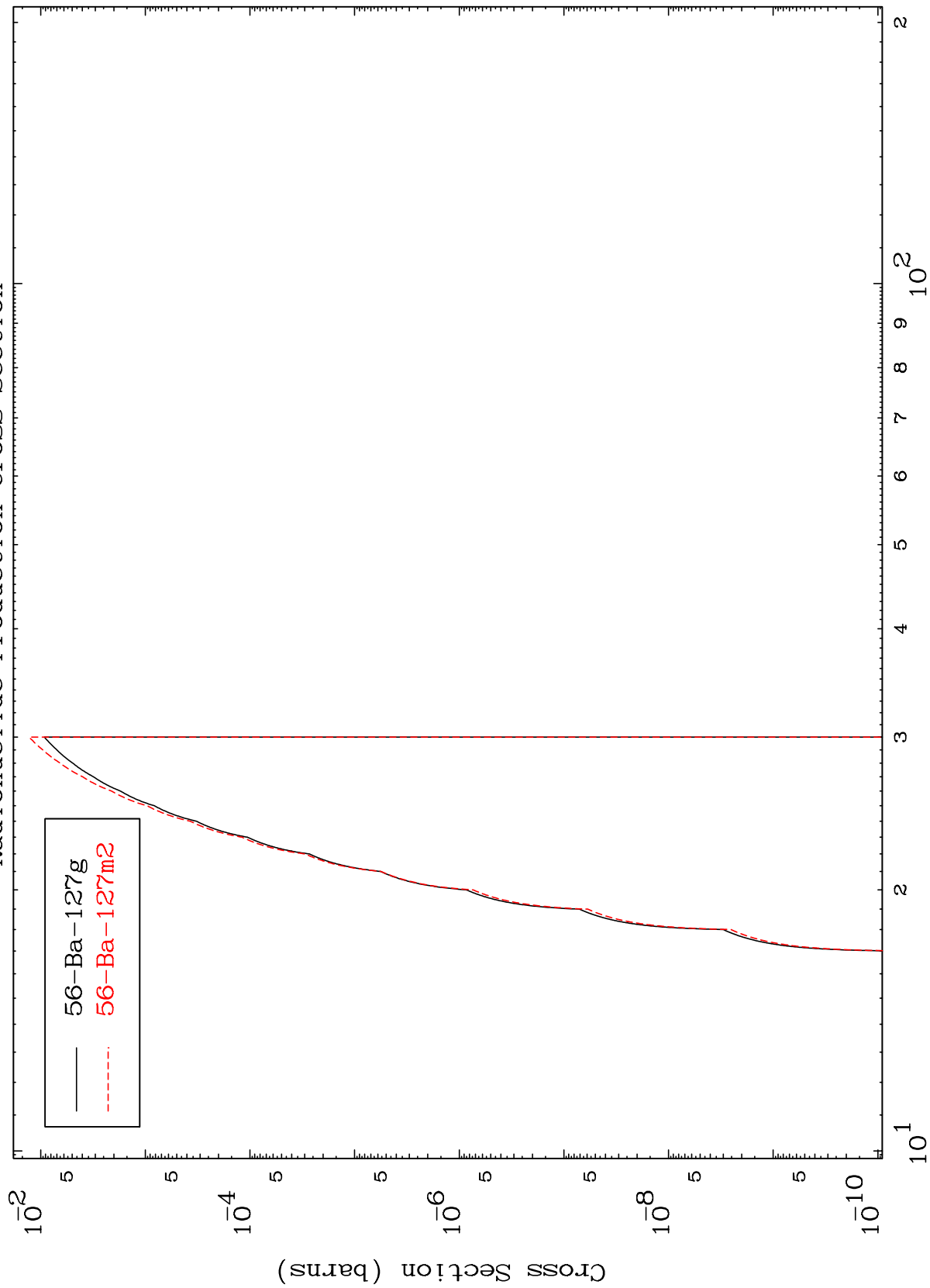
58-Ce-132

MAT 5813

(n,2n) α

58-Ce-132

Radionuclide Production Cross Section



Incident Energy (MeV)

58-Ce-132

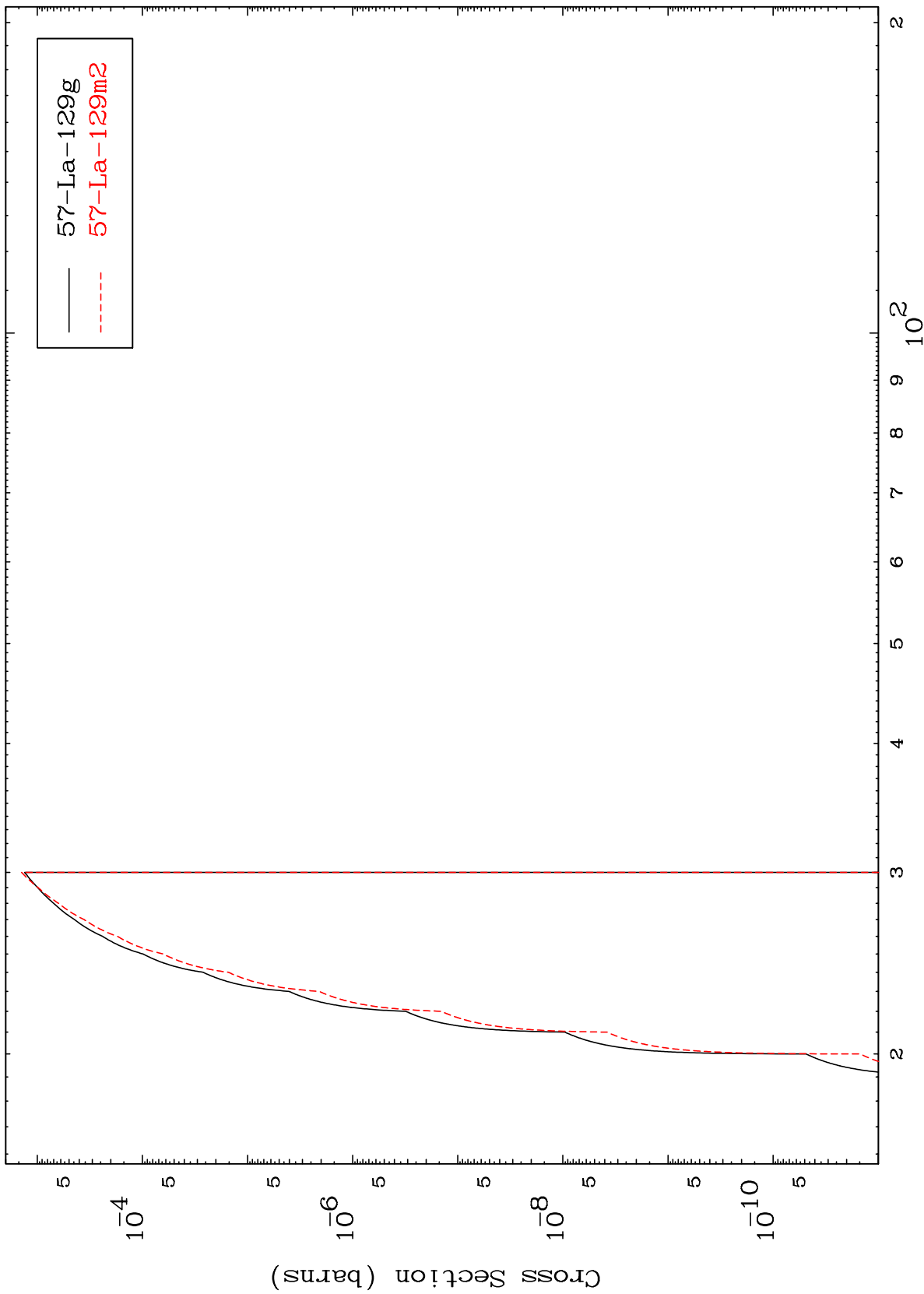
128

MAT 5813

(n,n') t

58-Ce-132

Radionuclide Production Cross Section



129

Incident Energy (MeV)

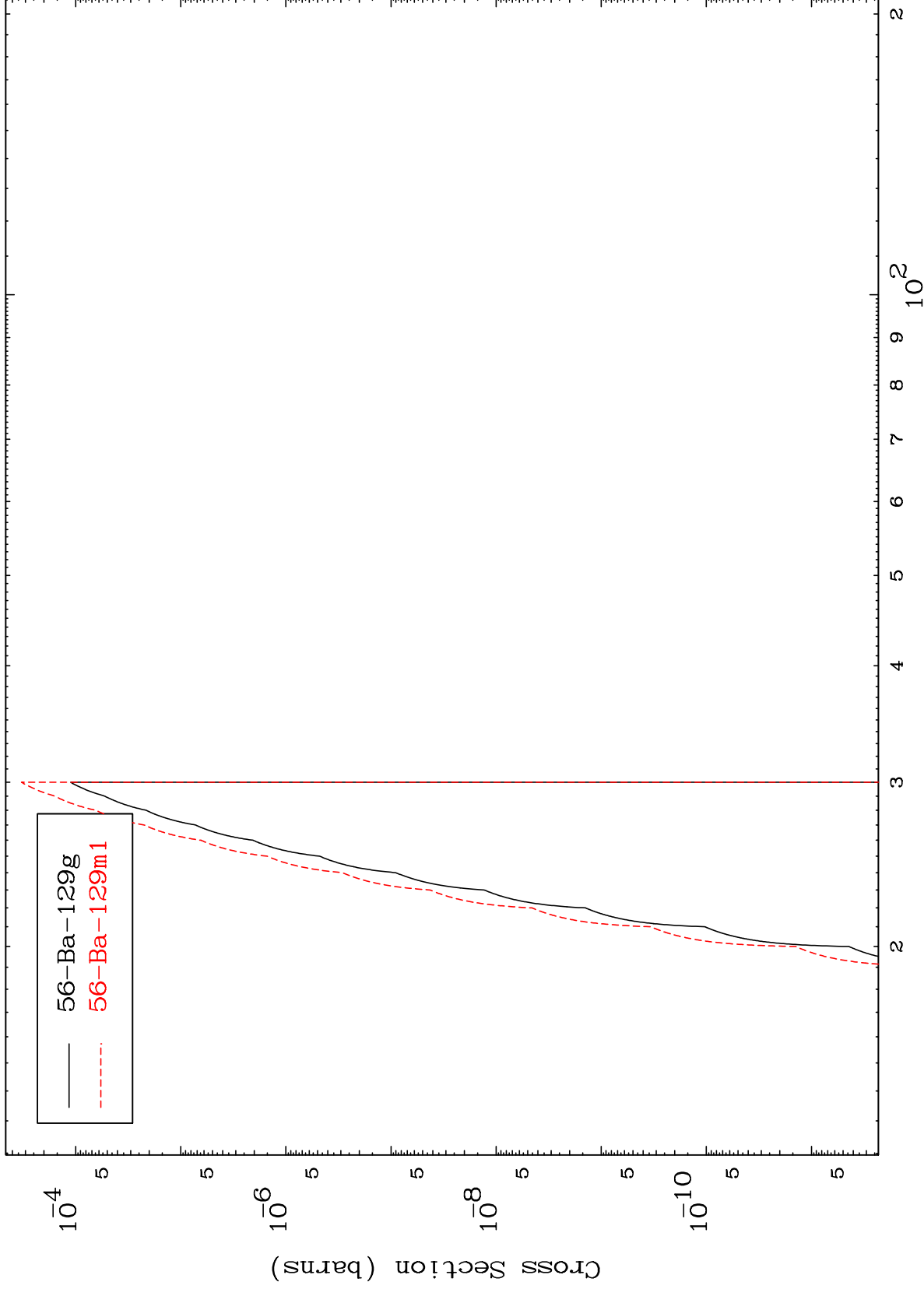
58-Ce-132

MAT 5813

(n,n') He-3

58-Ce-132

Radionuclide Production Cross Section



130

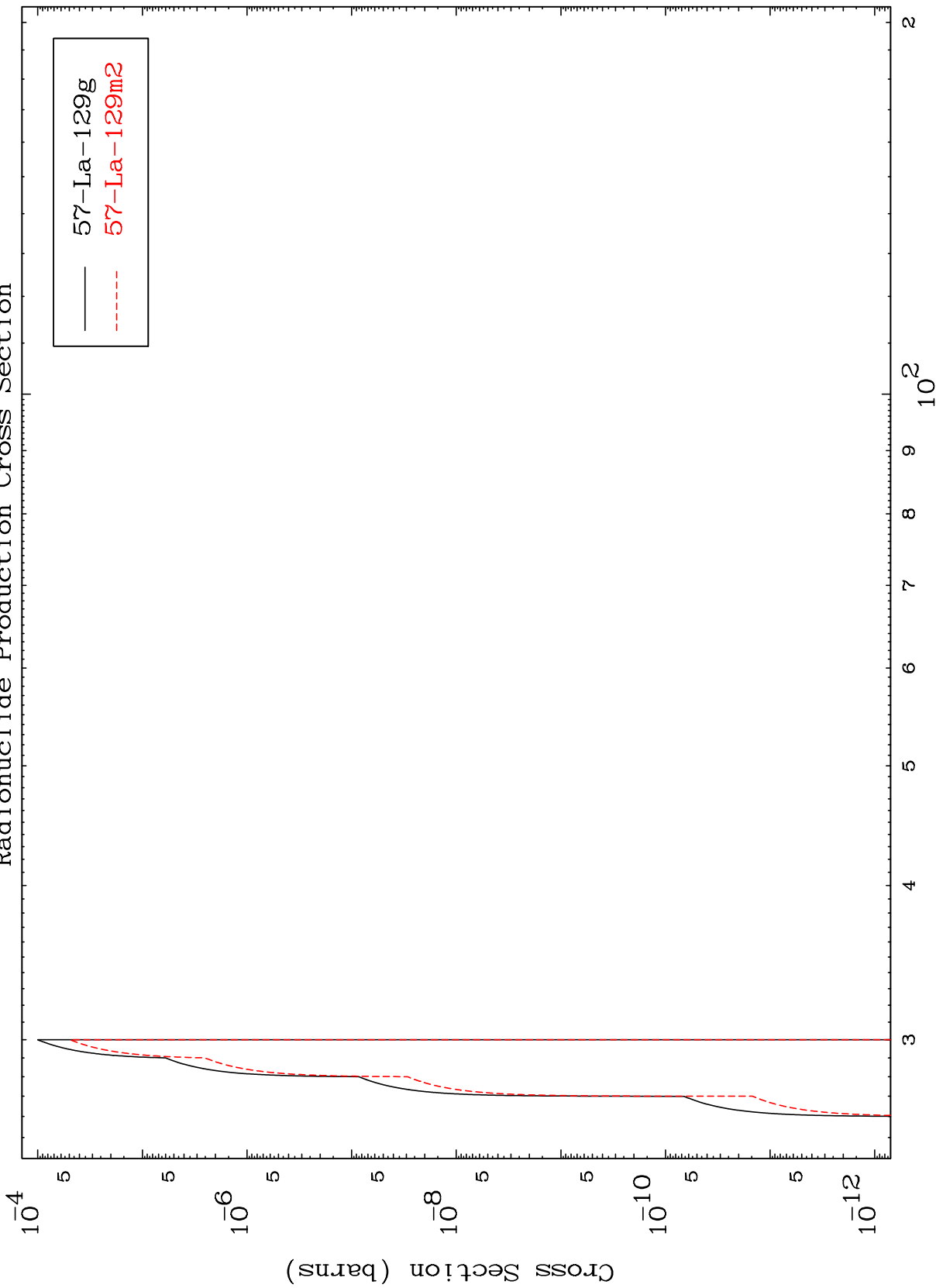
Incident Energy (MeV)

58-Ce-132

MAT 5813

58-Ce-132

(n,3n) p
Radionuclide Production Cross Section



131

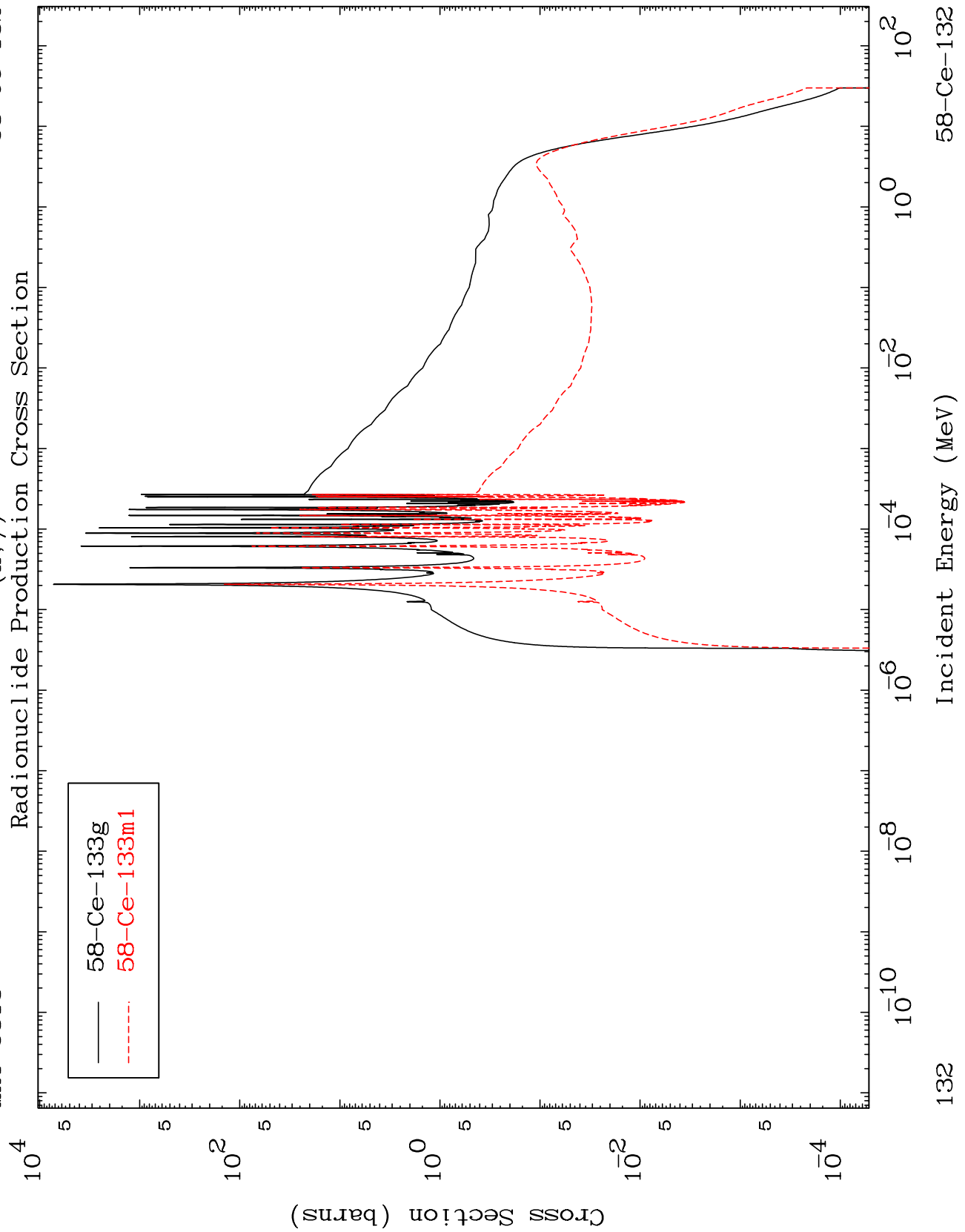
58-Ce-132

Incident Energy (MeV)

MAT 5813

58-Ce-132

(n, γ)
Radionuclide Production Cross Section



132

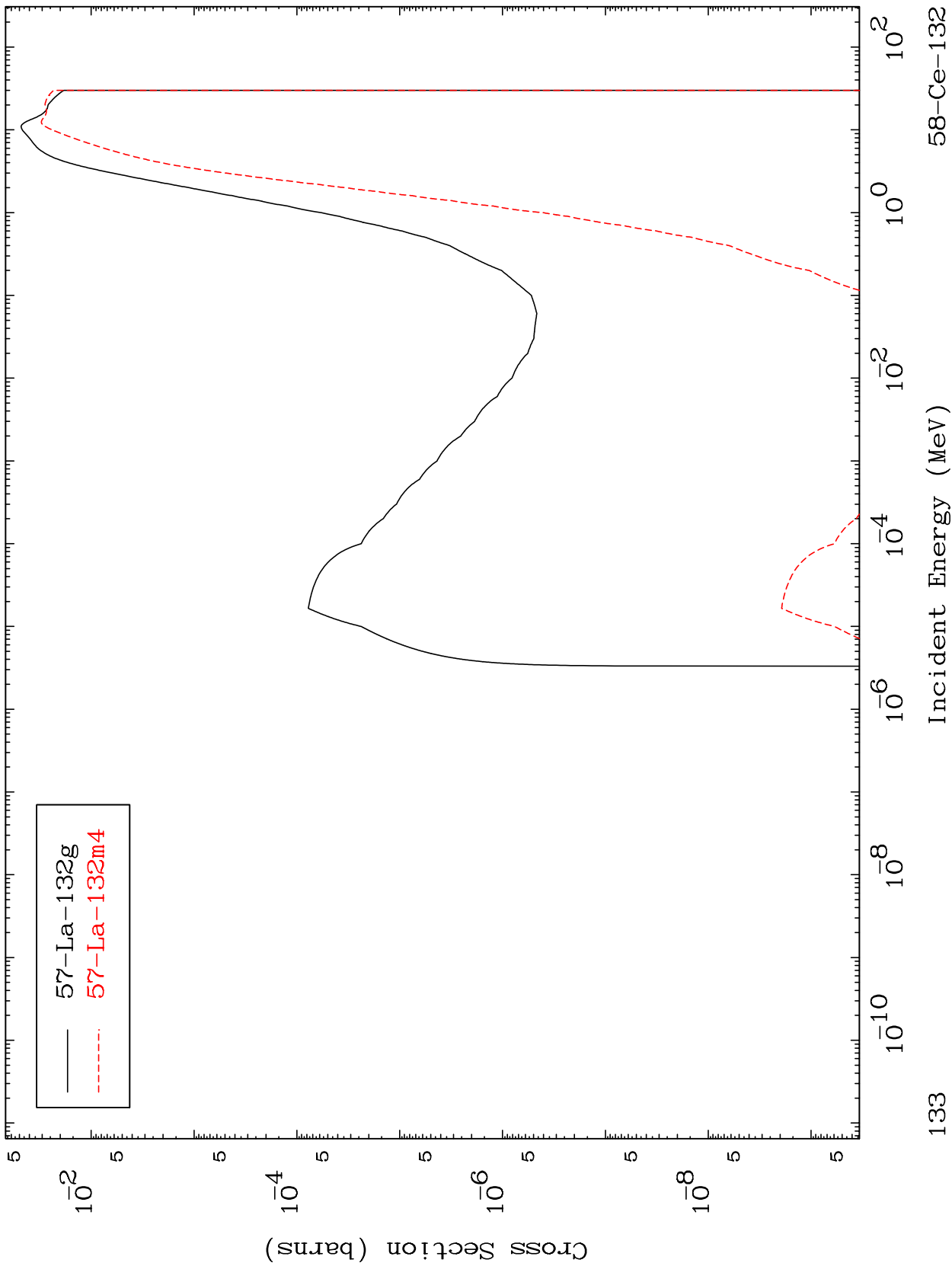
58-Ce-132

MAT 5813

(n,p)

58-Ce-132

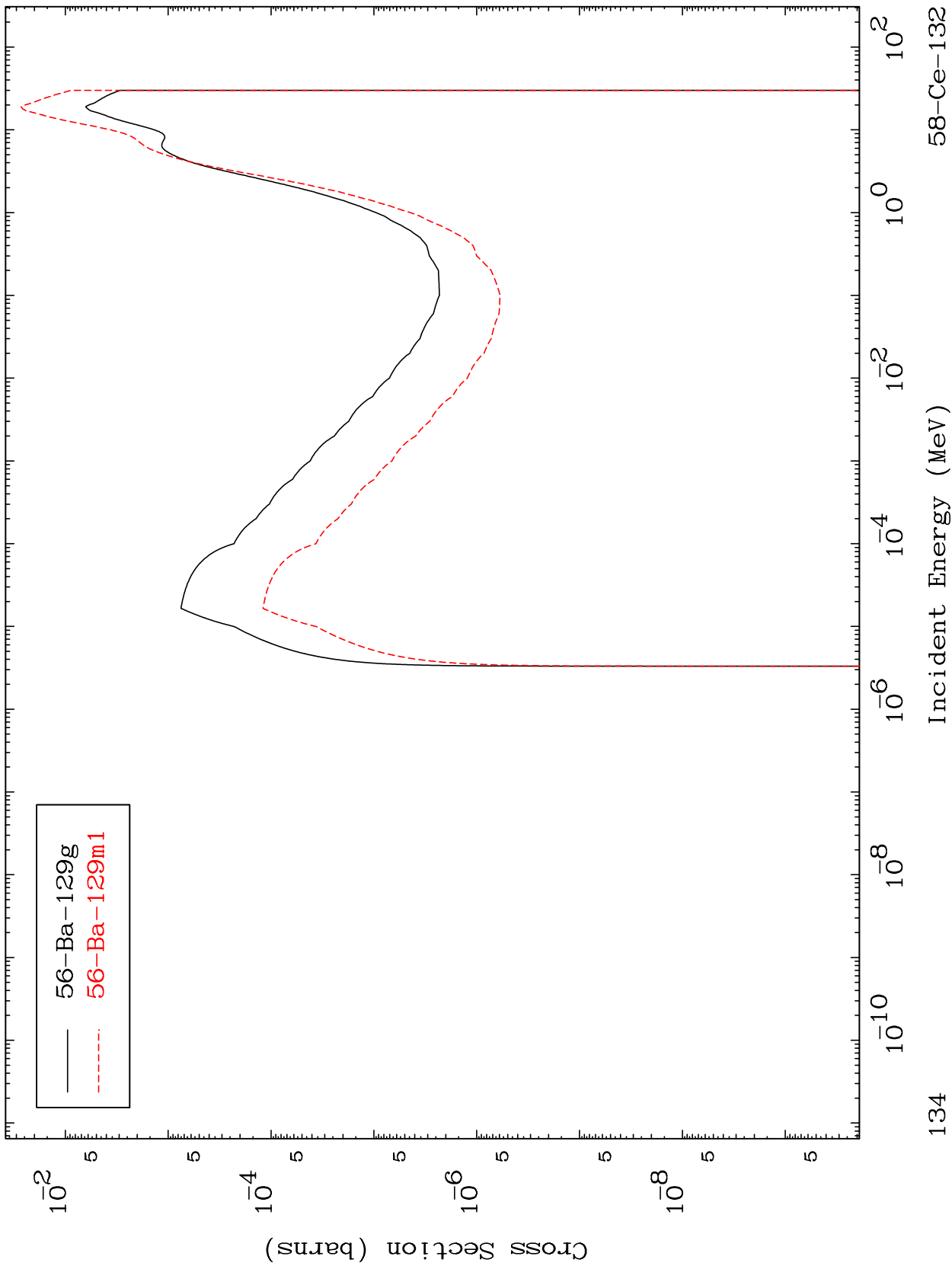
Radionuclide Production Cross Section



MAT 5813

58-Ce-132

(n, α)
Radionuclide Production Cross Section



134

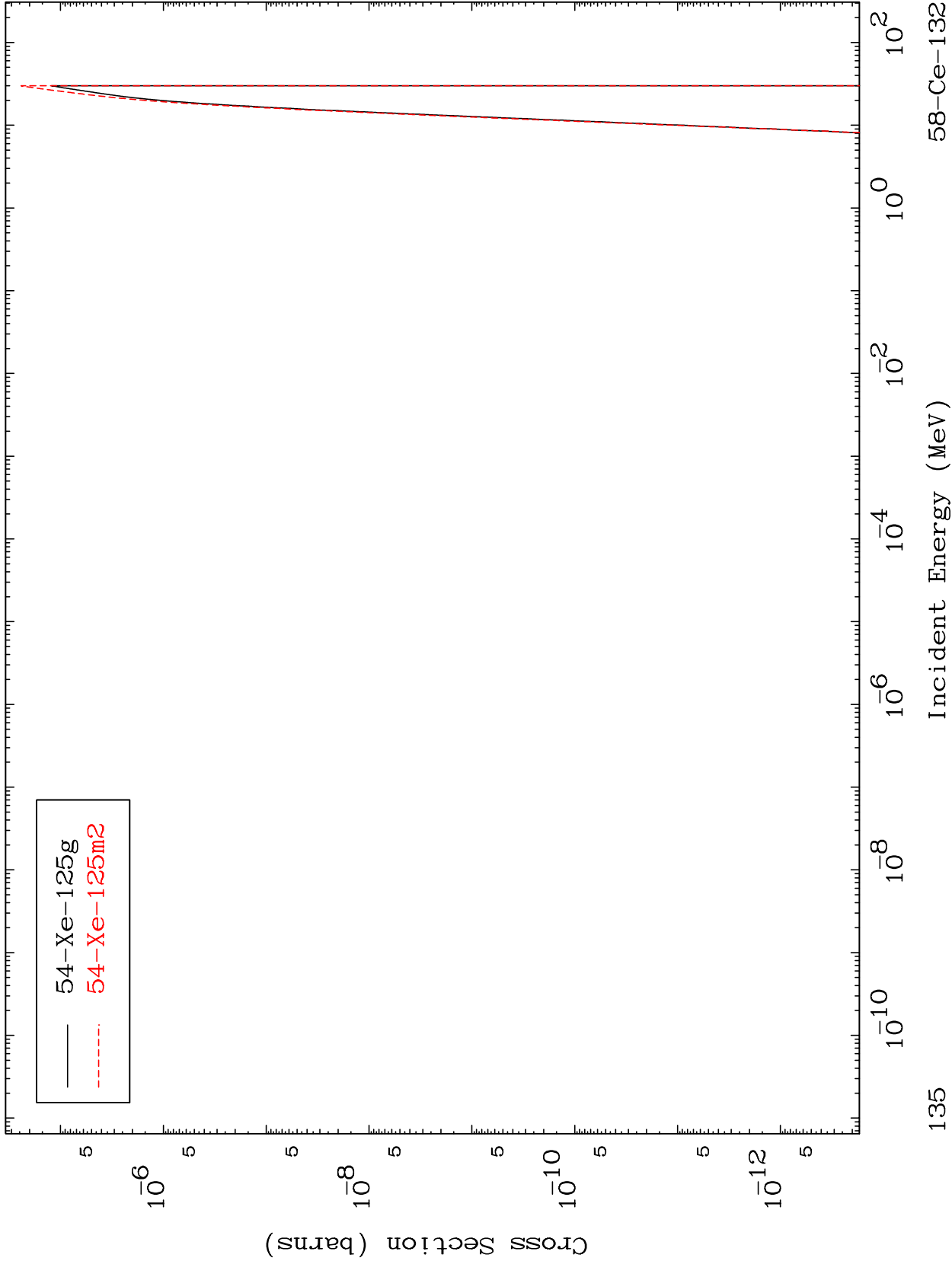
58-Ce-132

MAT 5813

(n,2 α)

58-Ce-132

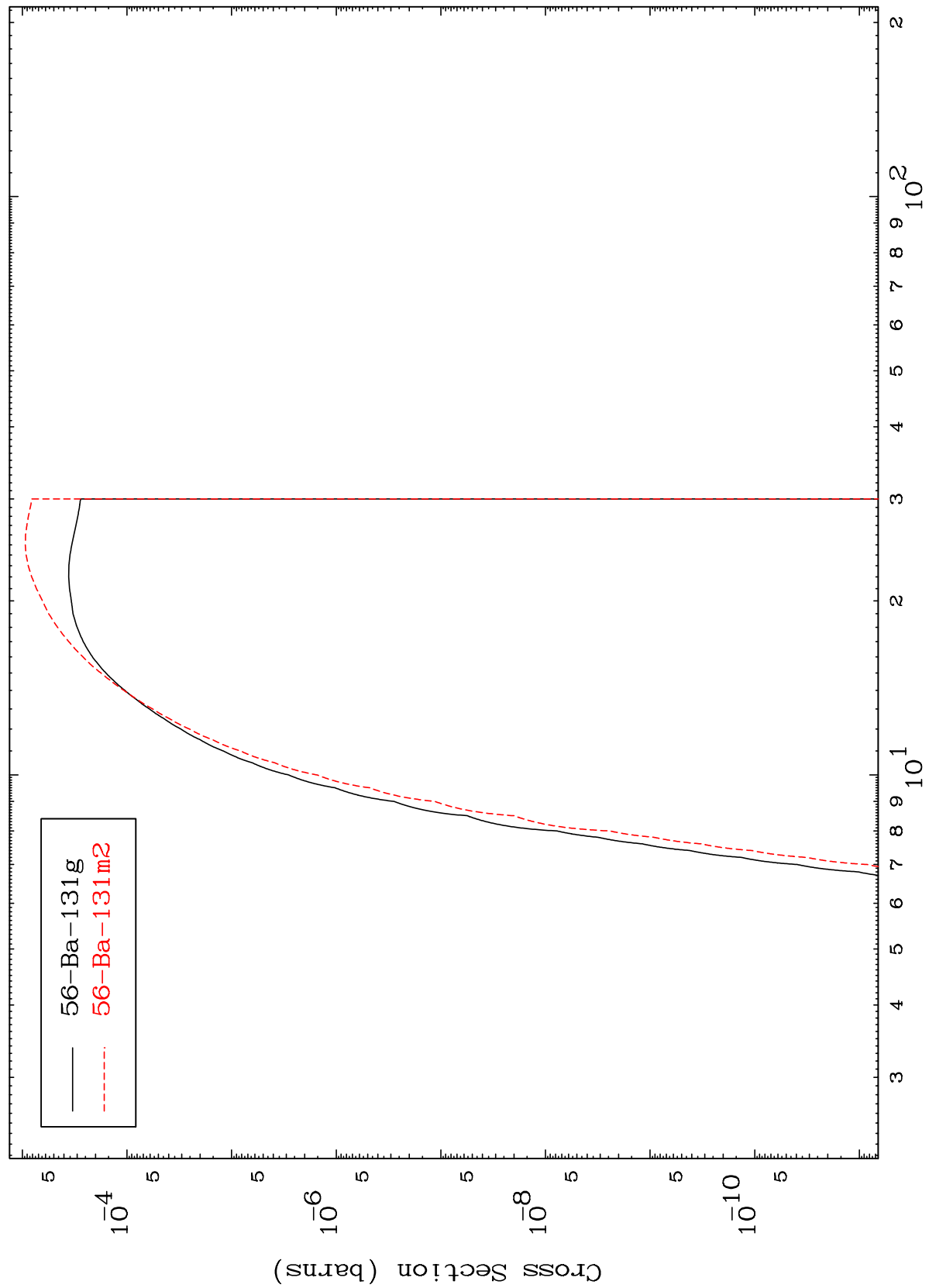
Radionuclide Production Cross Section



MAT 5813

58-Ce-132

(n,2p)
Radionuclide Production Cross Section



— 56-Ba-131g
- - - 56-Ba-131m2

136

Incident Energy (MeV)

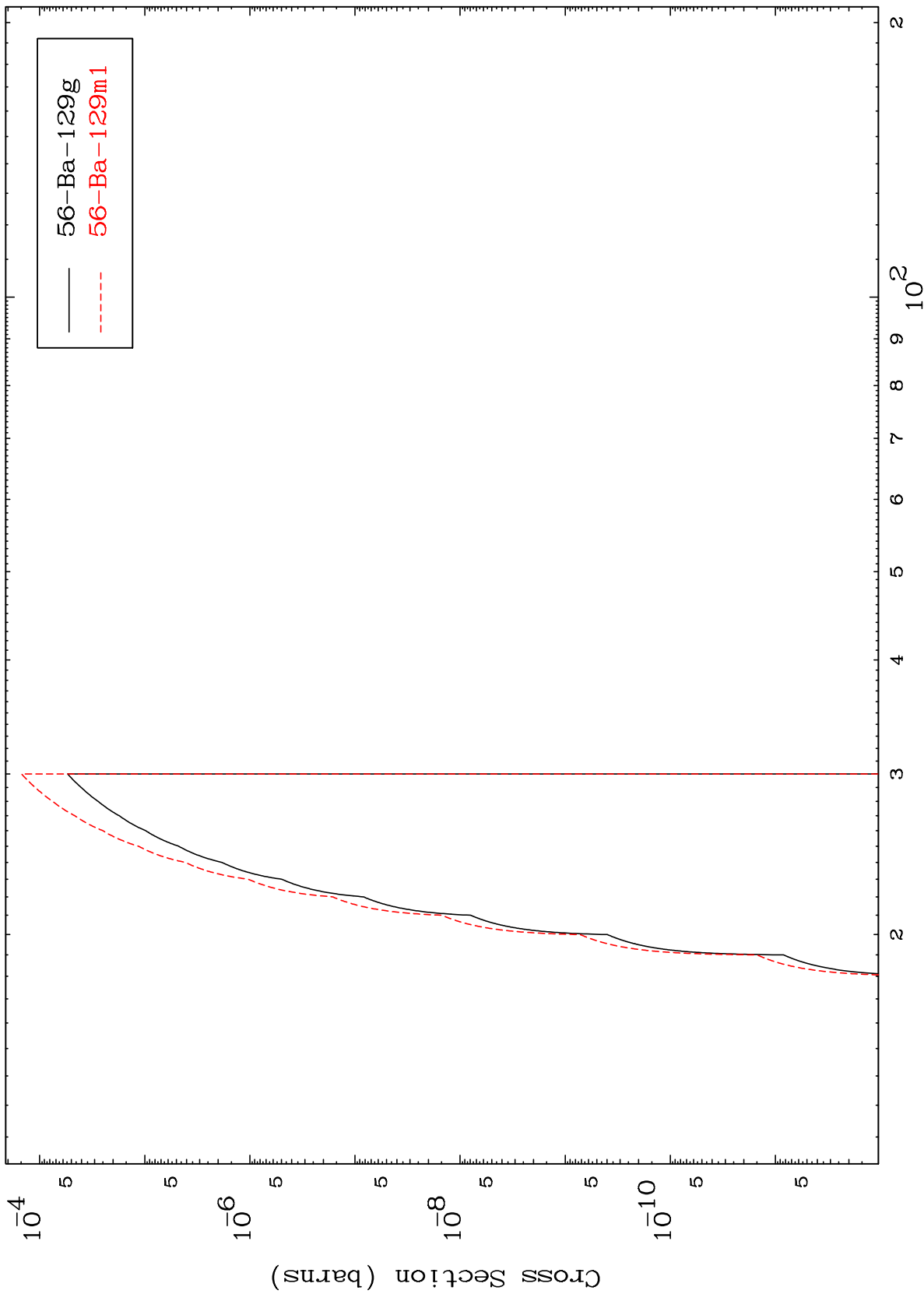
58-Ce-132

MAT 5813

(n,p) t

58-Ce-132

Radionuclide Production Cross Section



137

Incident Energy (MeV)

58-Ce-132