

Program EVALPLOT  
(Version 2021-1)

by

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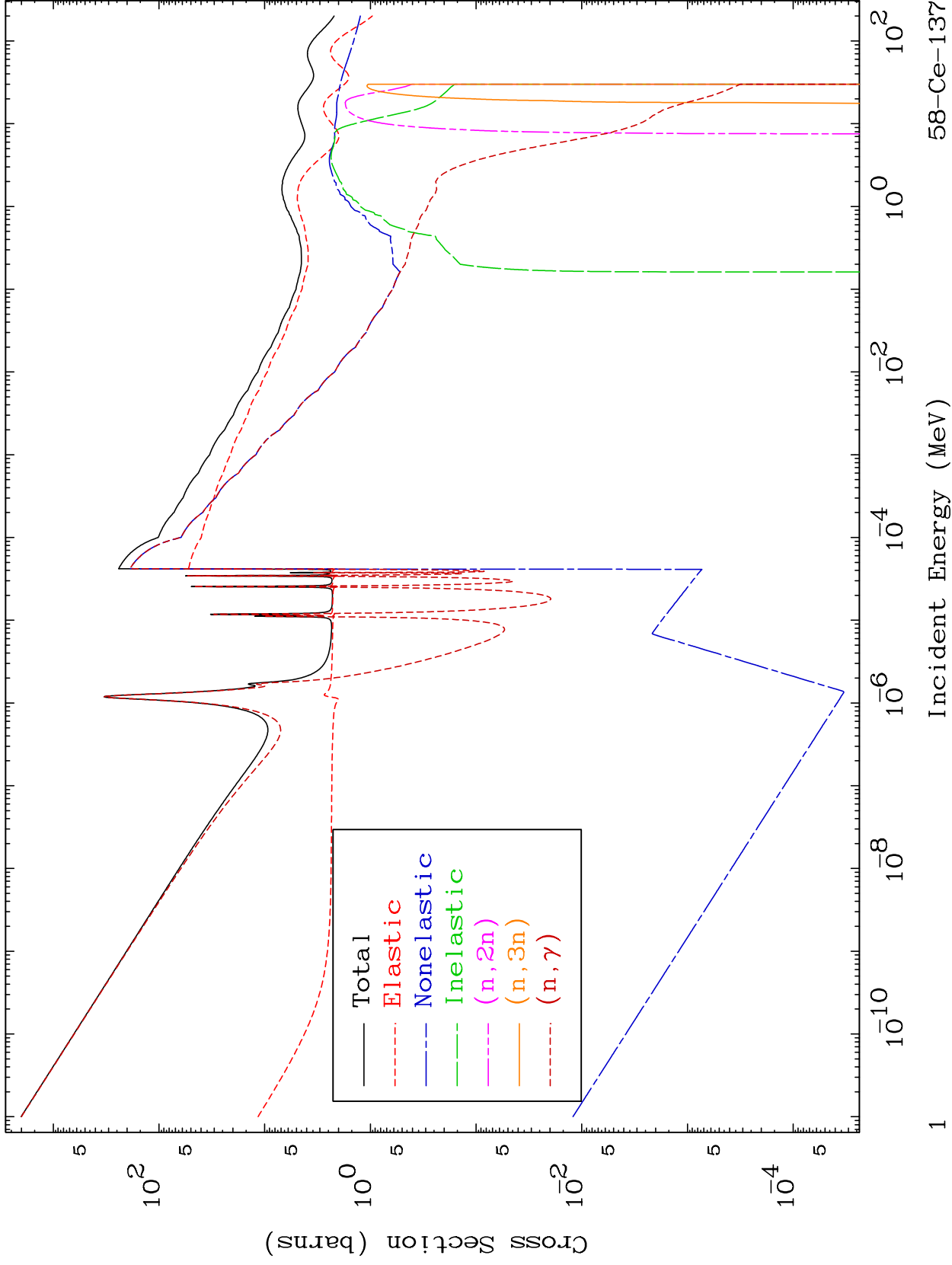
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Press Mouse Button to Start

MAT 5828

Neutron Major  
293 Kelvin Cross Sections

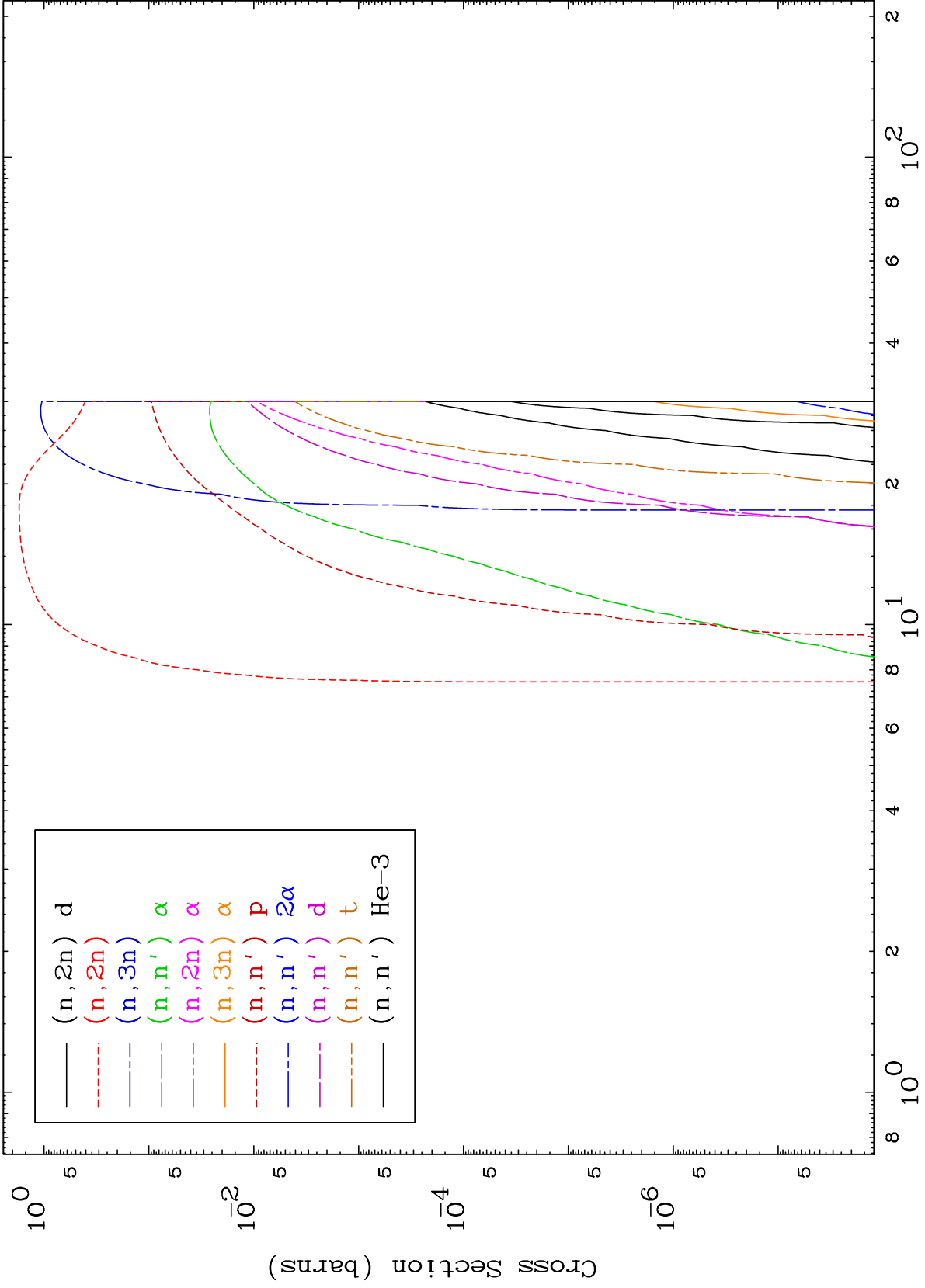
58-Ce-137



MAT 5828

Neutron Absorption  
293 Kelvin Cross Sections

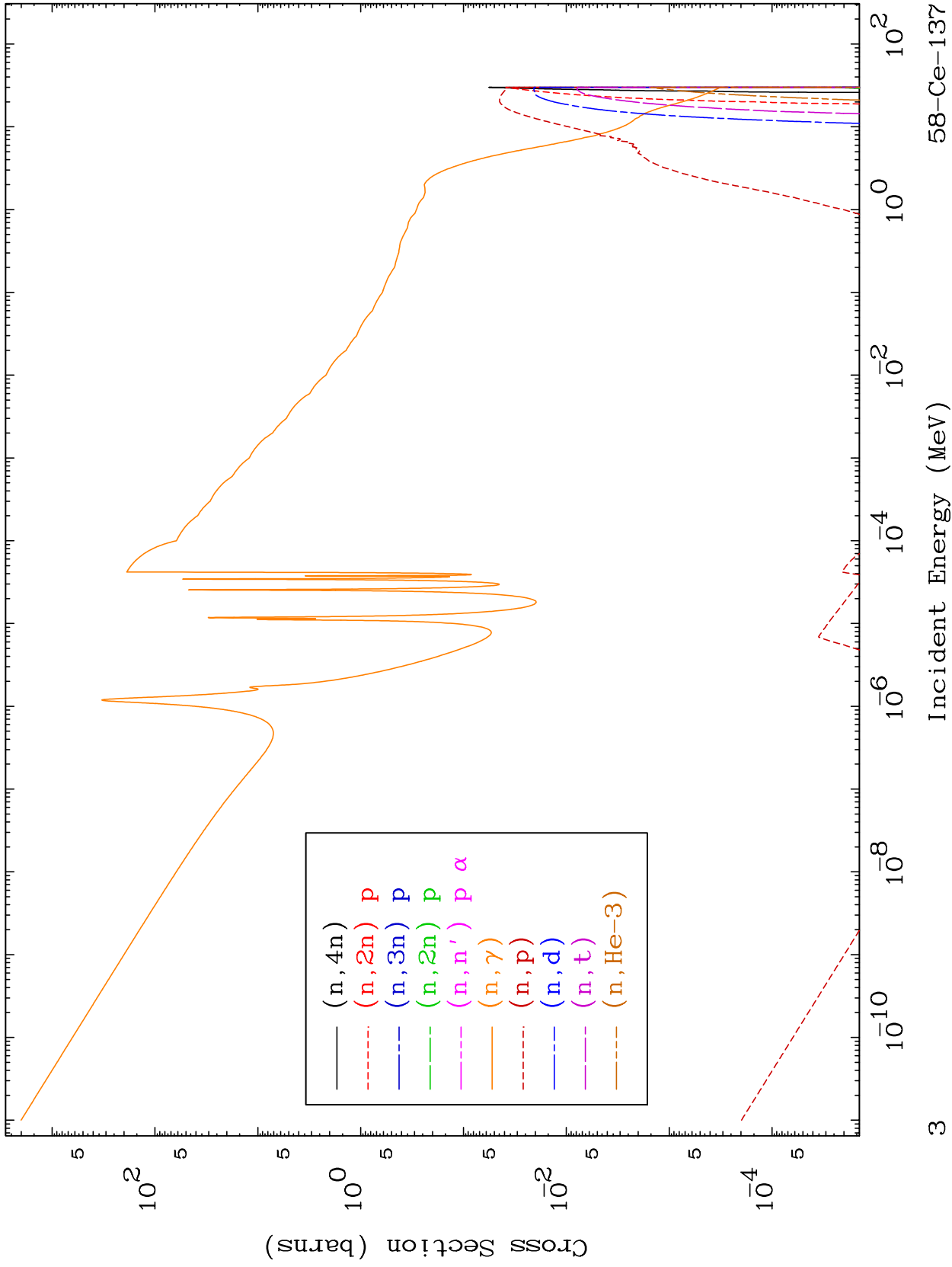
58-Ce-137



58-Ce-137

Incident Energy (MeV)

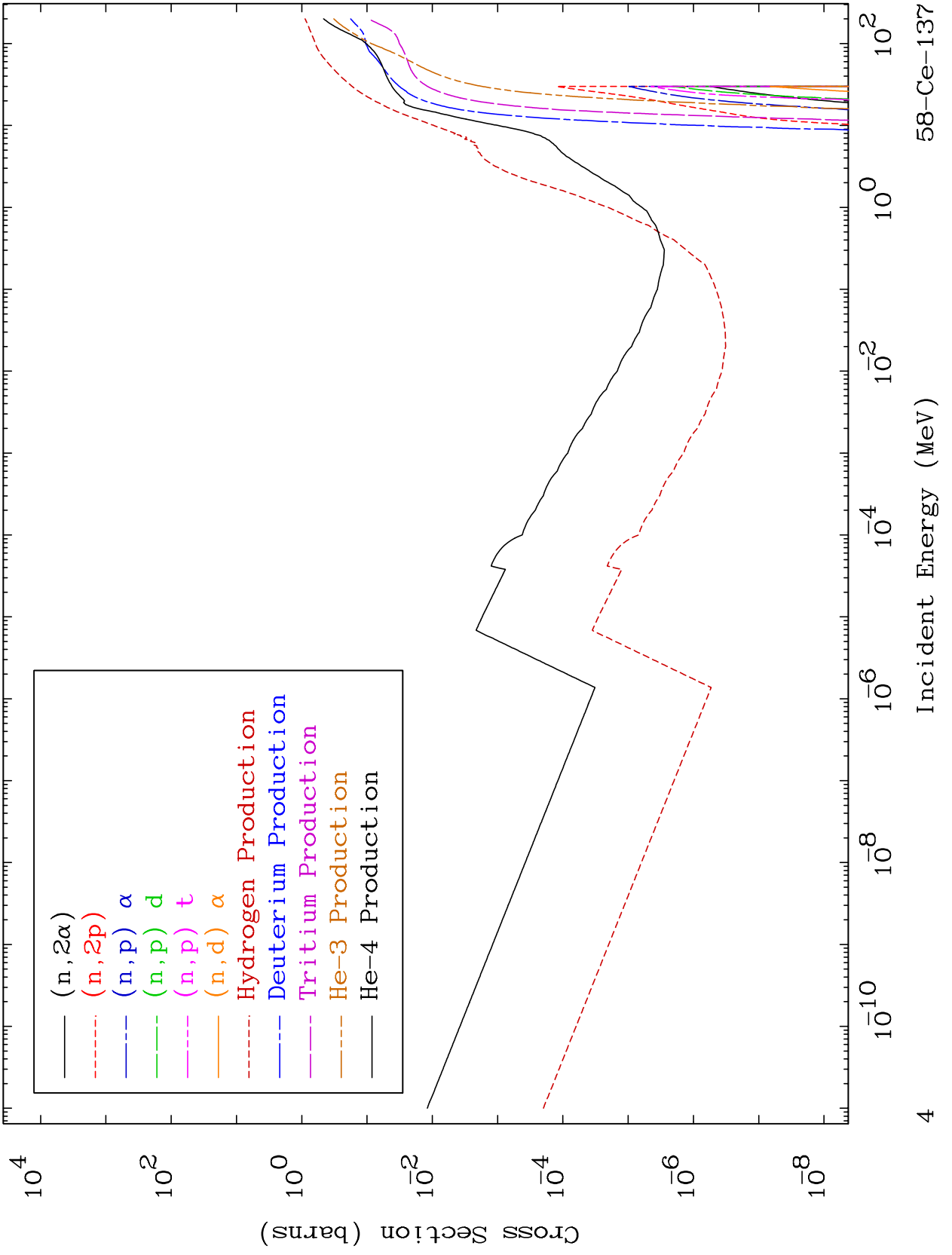
2

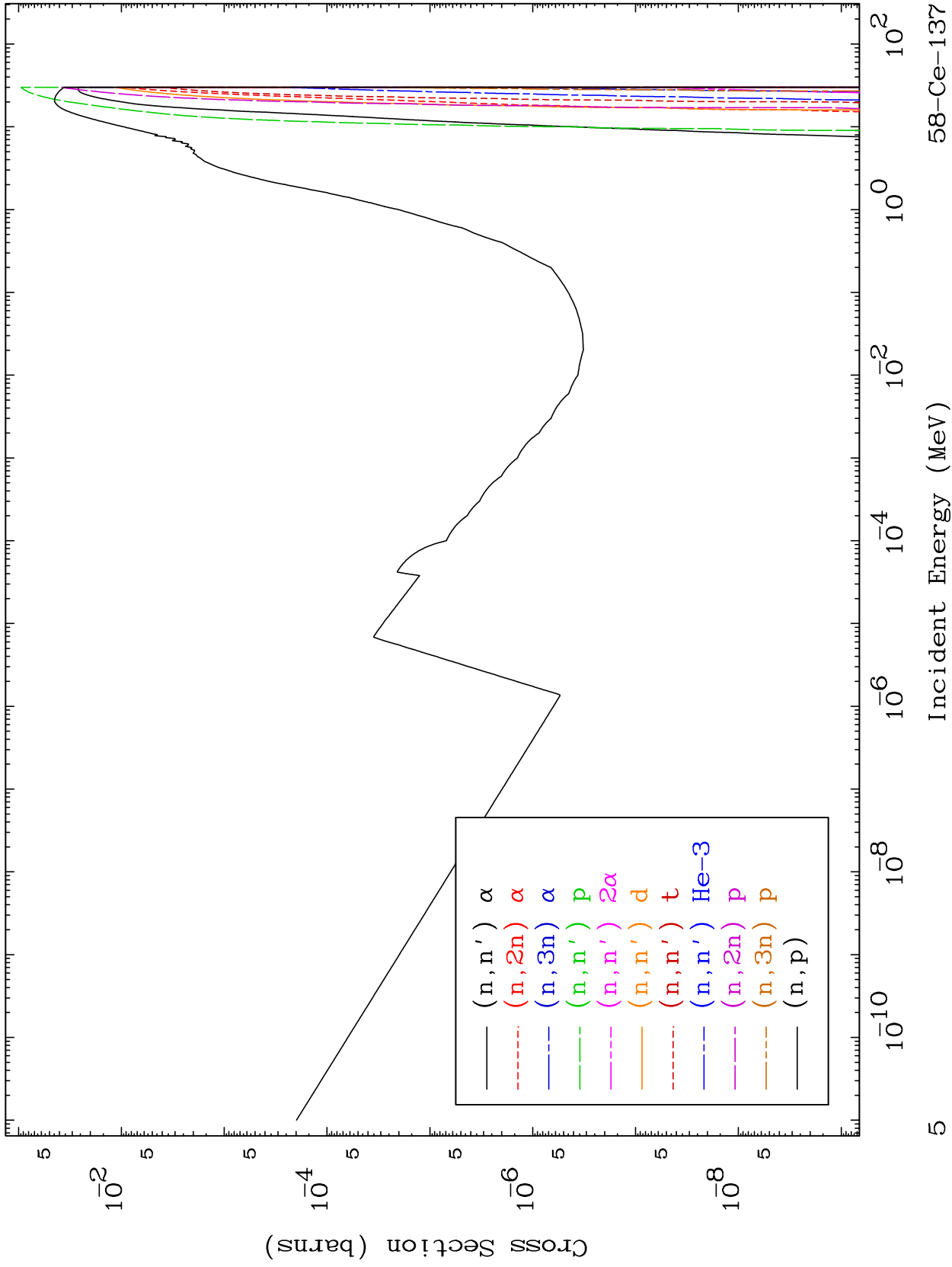


MAT 5828

Neutron Absorption  
293 Kelvin Cross Sections

58-Ce-137

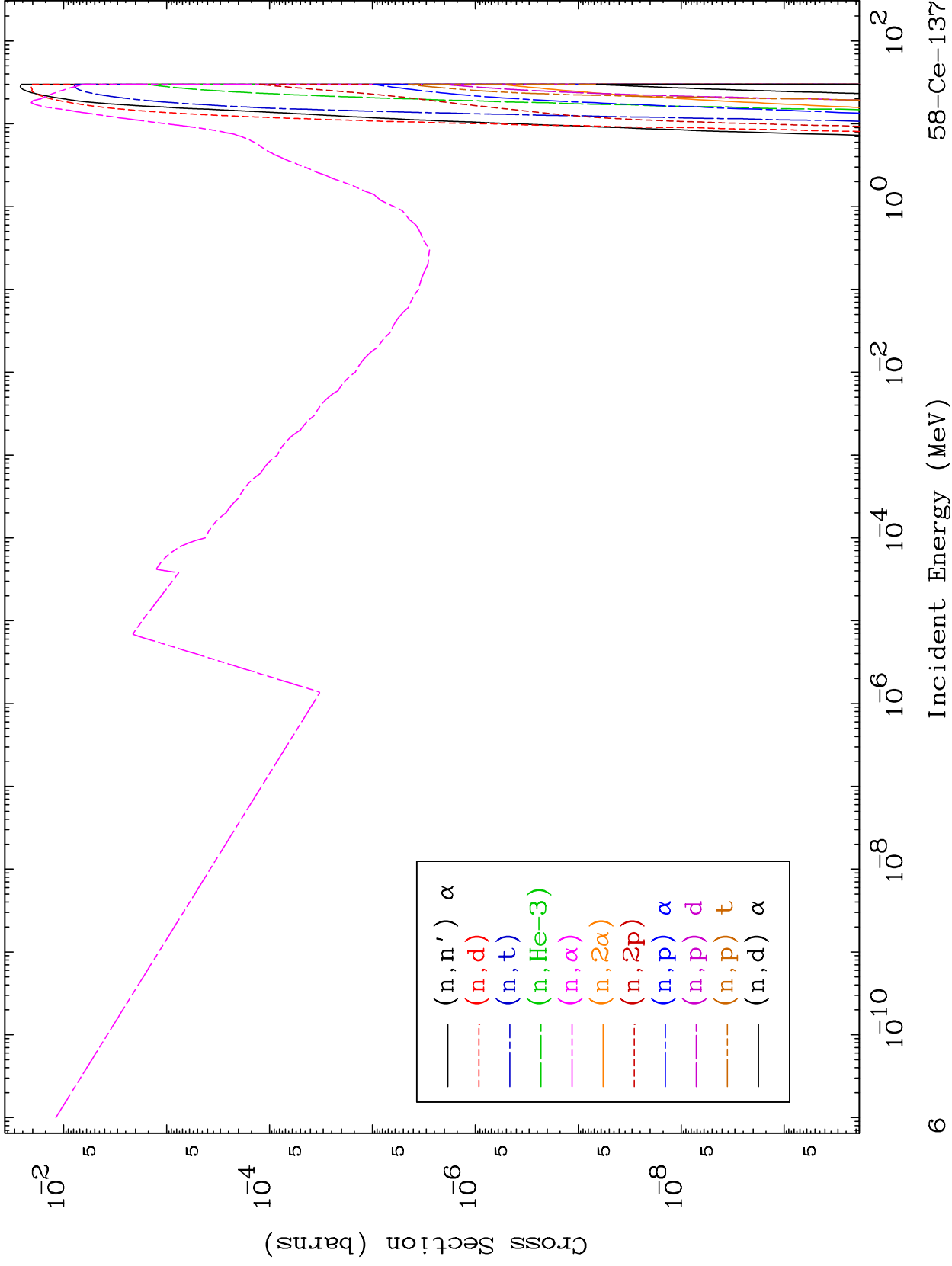




MAT 5828

Charged Particle  
293 Kelvin Cross Sections

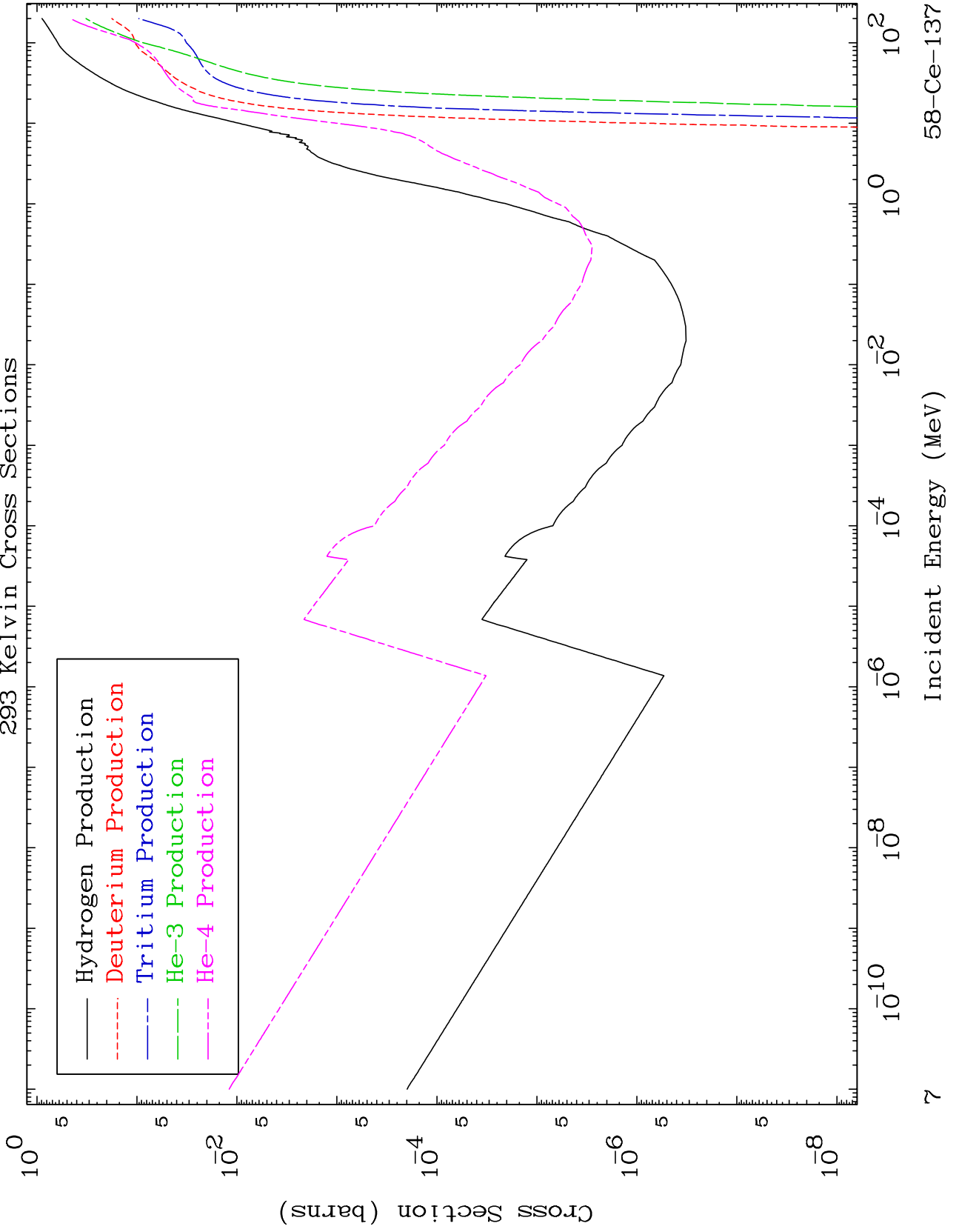
58-Ce-137



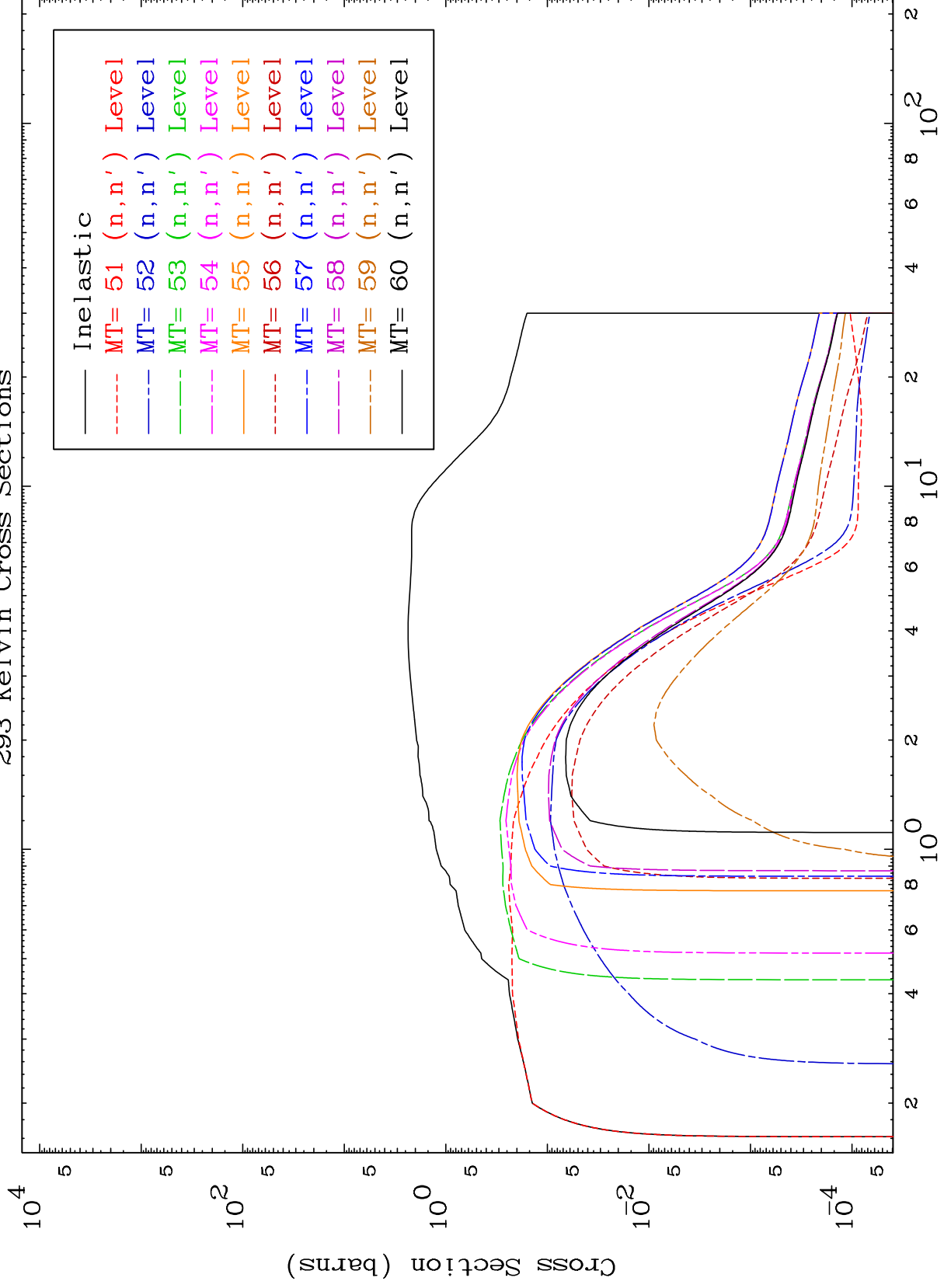
MAT 5828

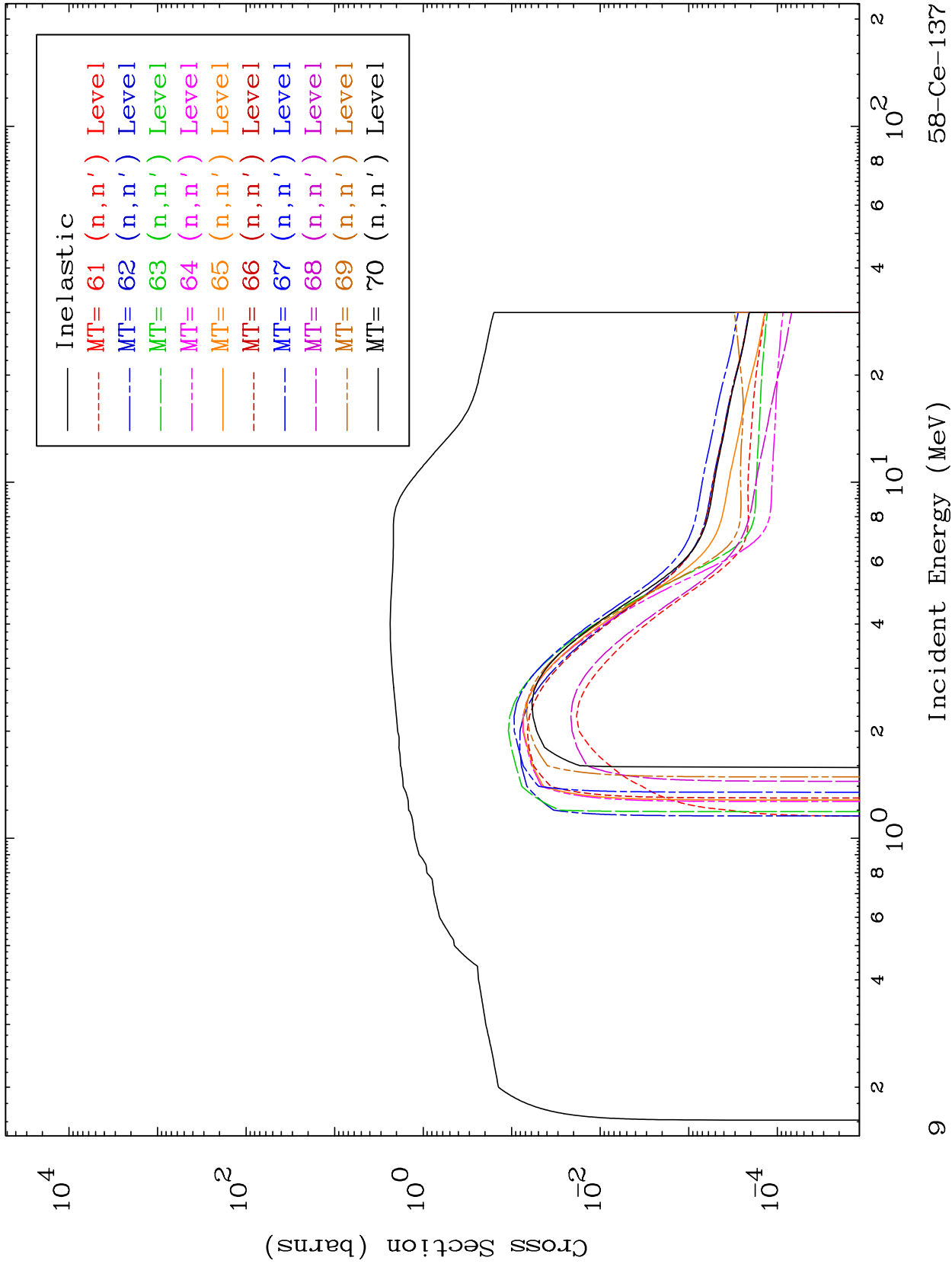
Particle Production  
293 Kelvin Cross Sections

58-Ce-137







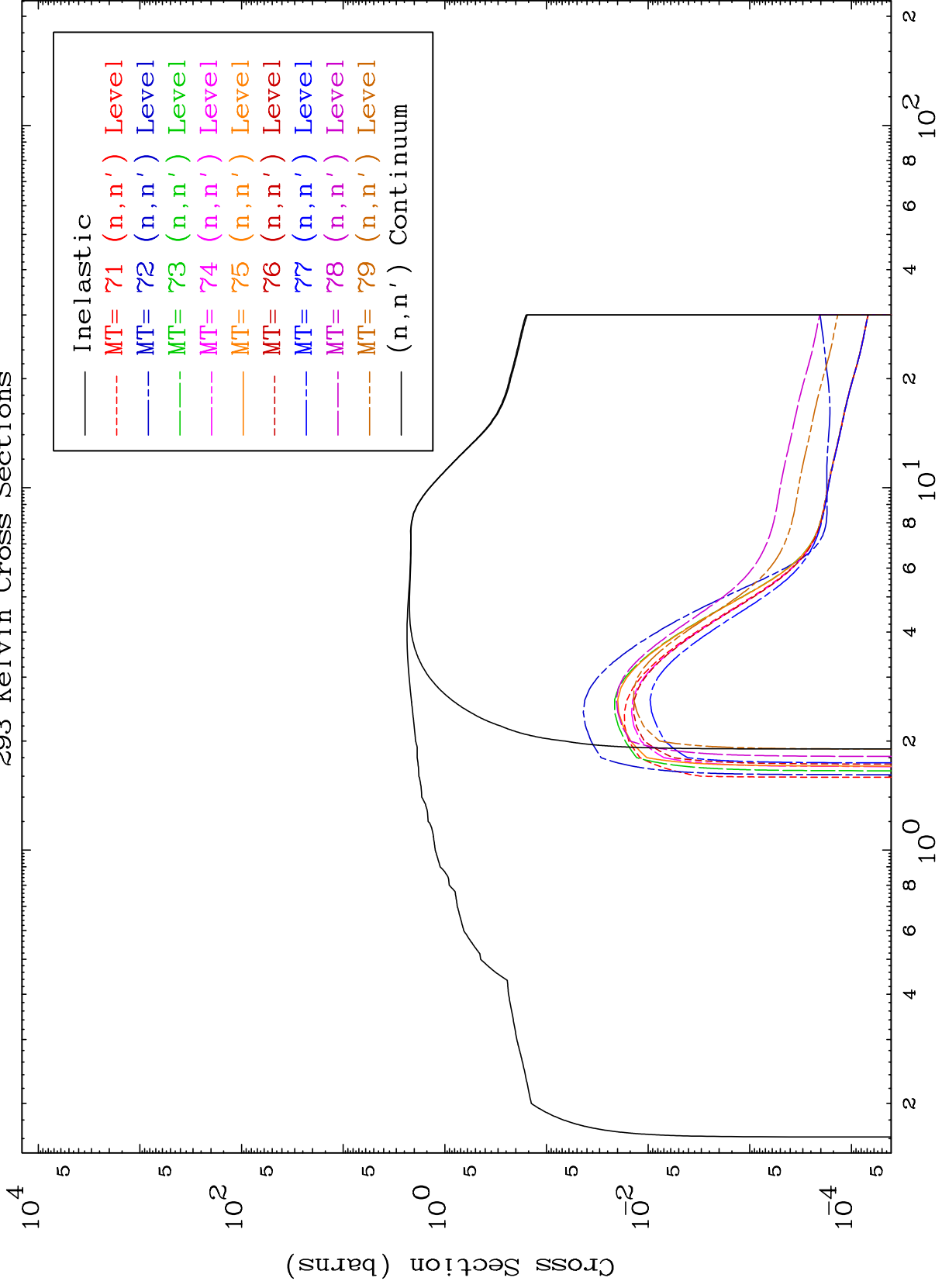


MAT 5828

(n,n') Levels

293 Kelvin Cross Sections

58-Ce-137



10

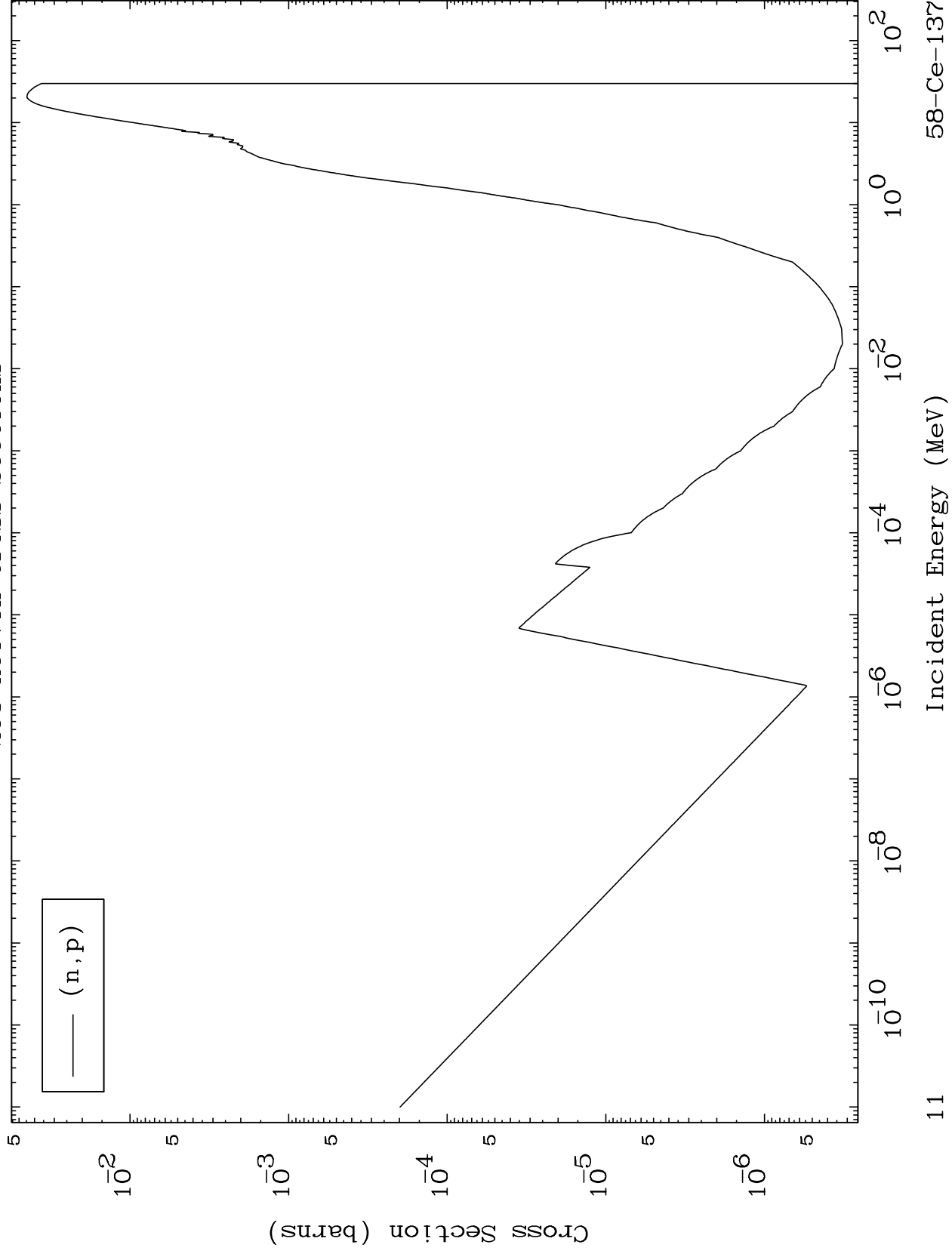
Incident Energy (MeV)

58-Ce-137

MAT 5828

(n,p) Levels  
293 Kelvin Cross Sections

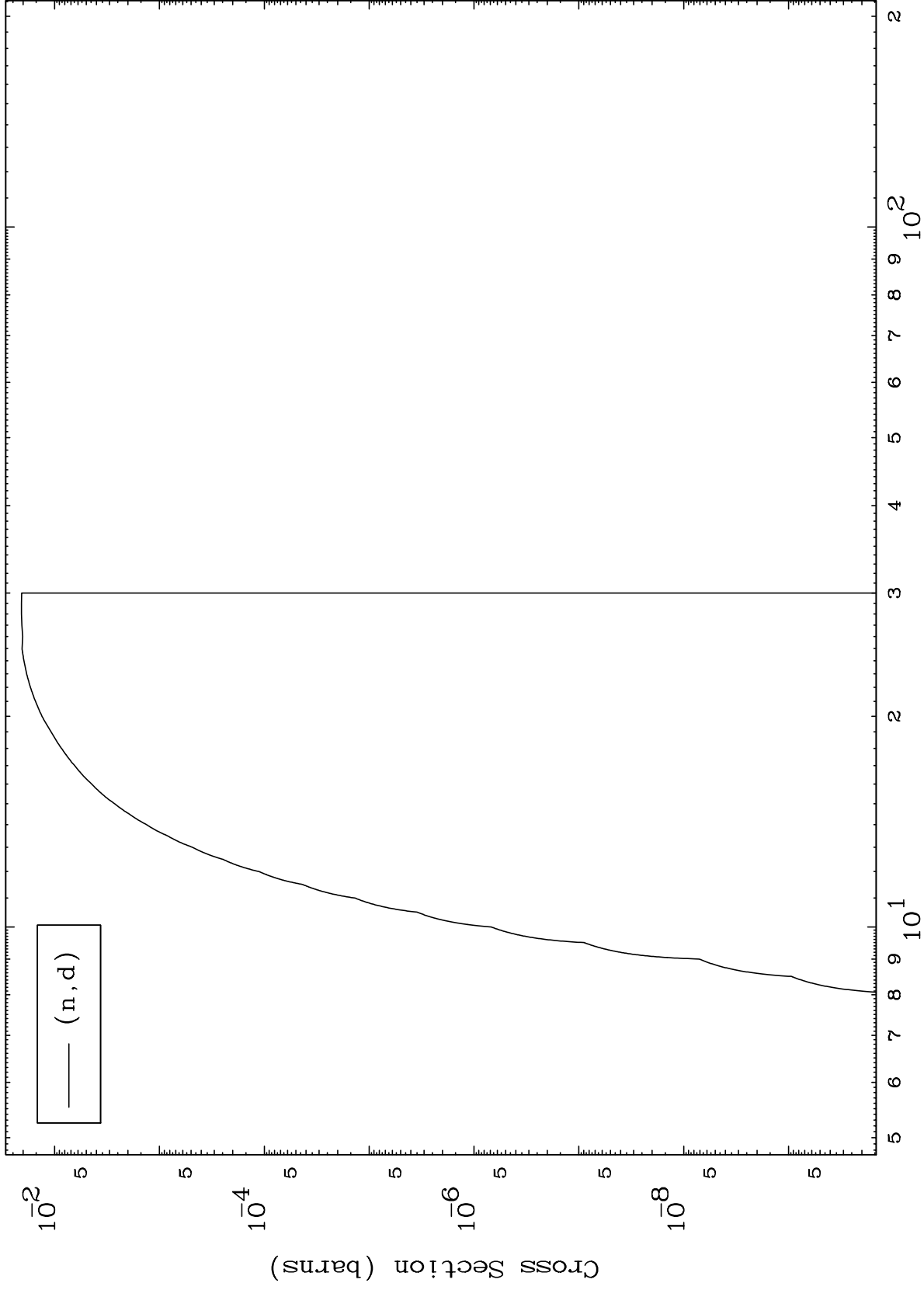
58-Ce-137



MAT 5828

(n,d) Levels  
293 Kelvin Cross Sections

58-Ce-137



12

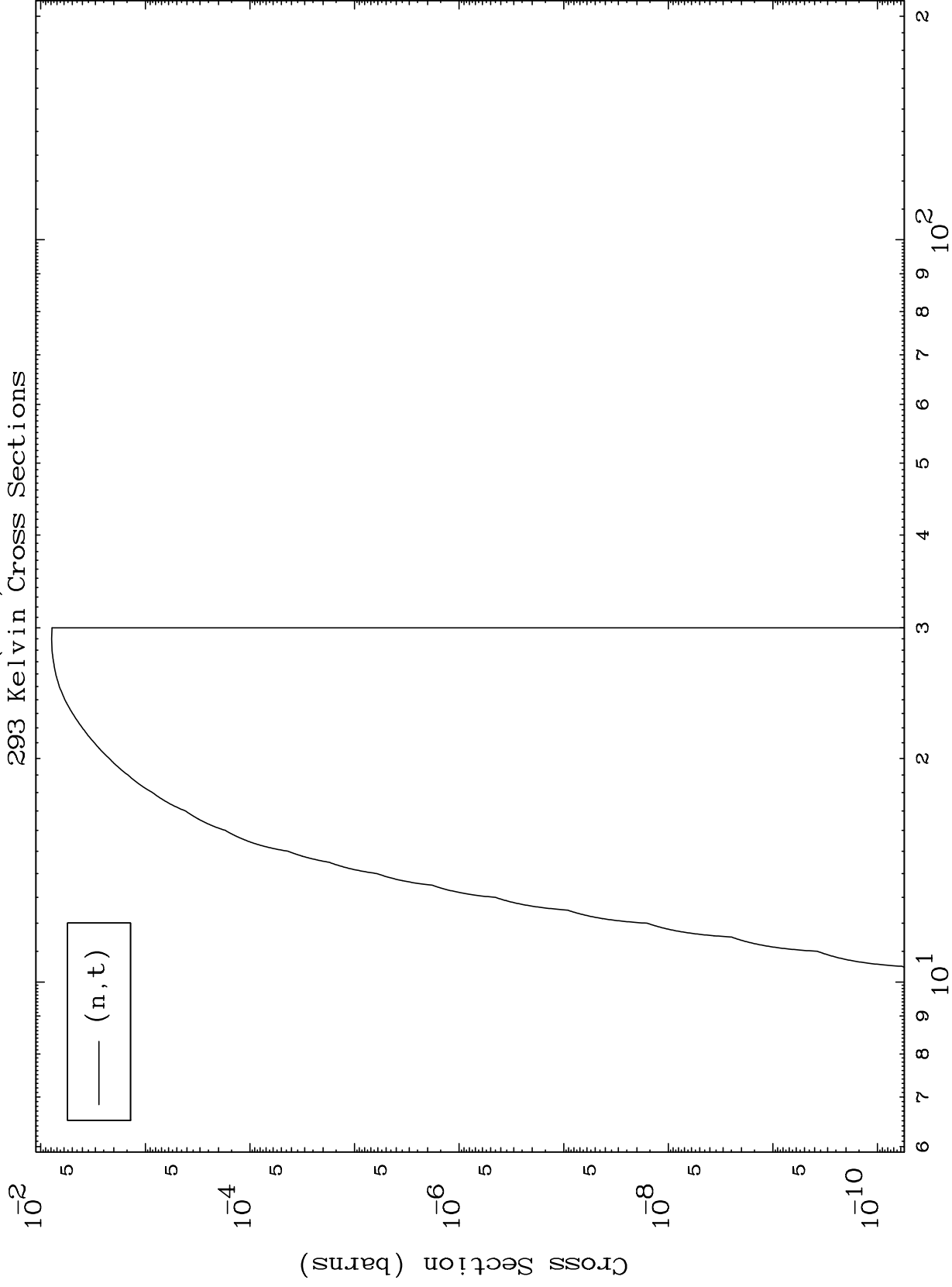
Incident Energy (MeV)

58-Ce-137

MAT 5828

(n,t) Levels  
293 Kelvin Cross Sections

58-Ce-137



13

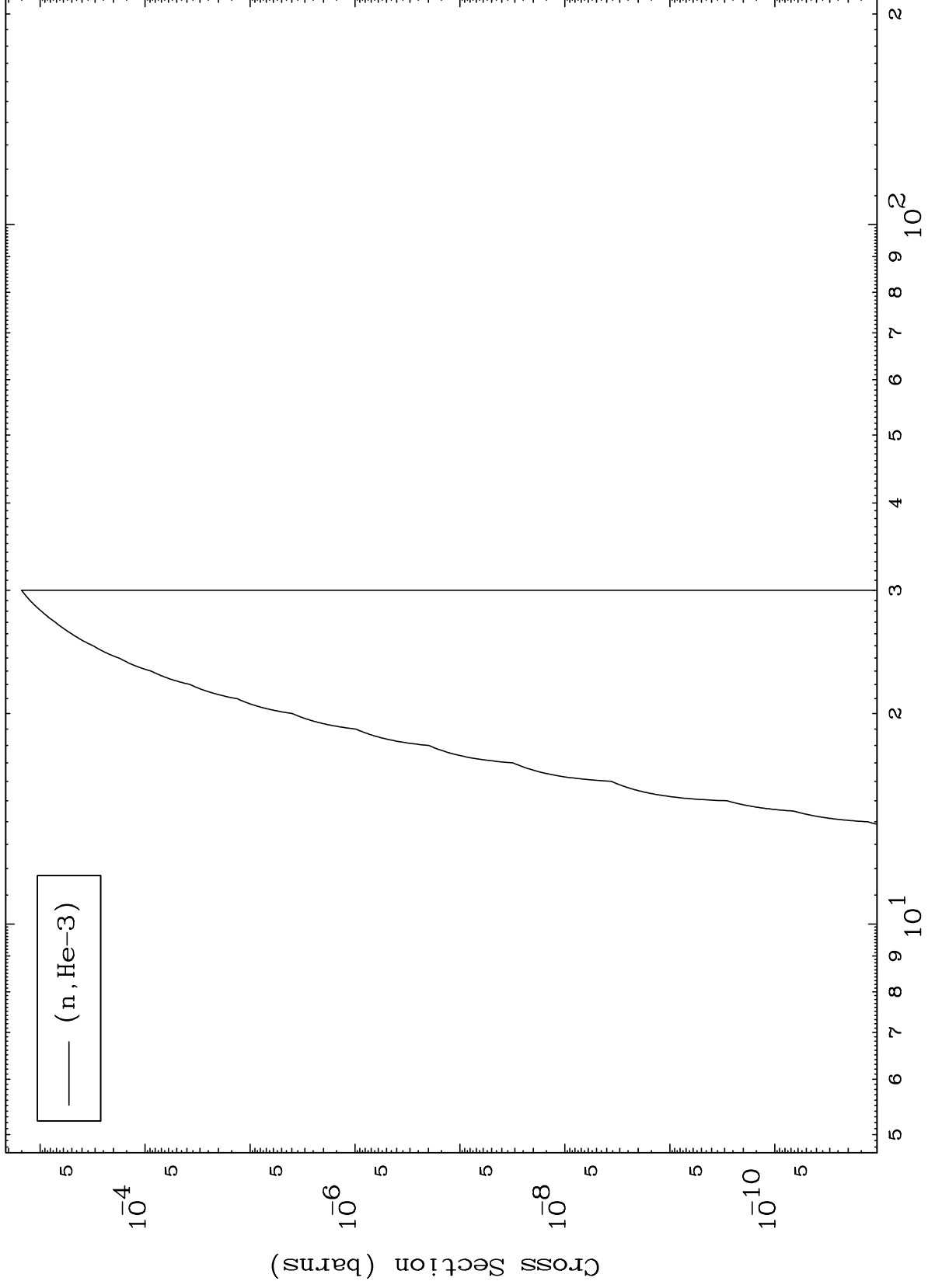
Incident Energy (MeV)

58-Ce-137

MAT 5828

(n,He3) Levels  
293 Kelvin Cross Sections

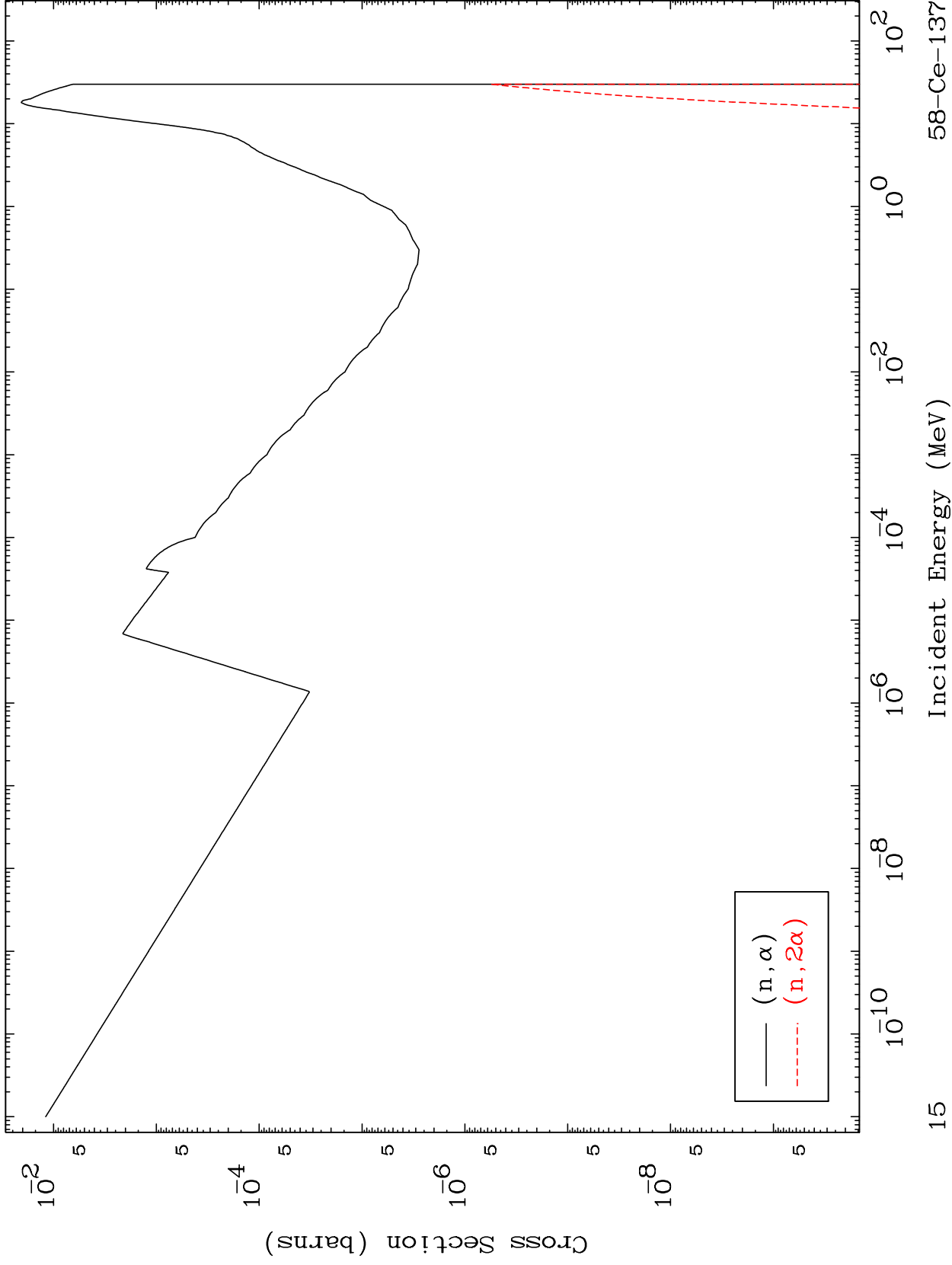
58-Ce-137



MAT 5828

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

58-Ce-137



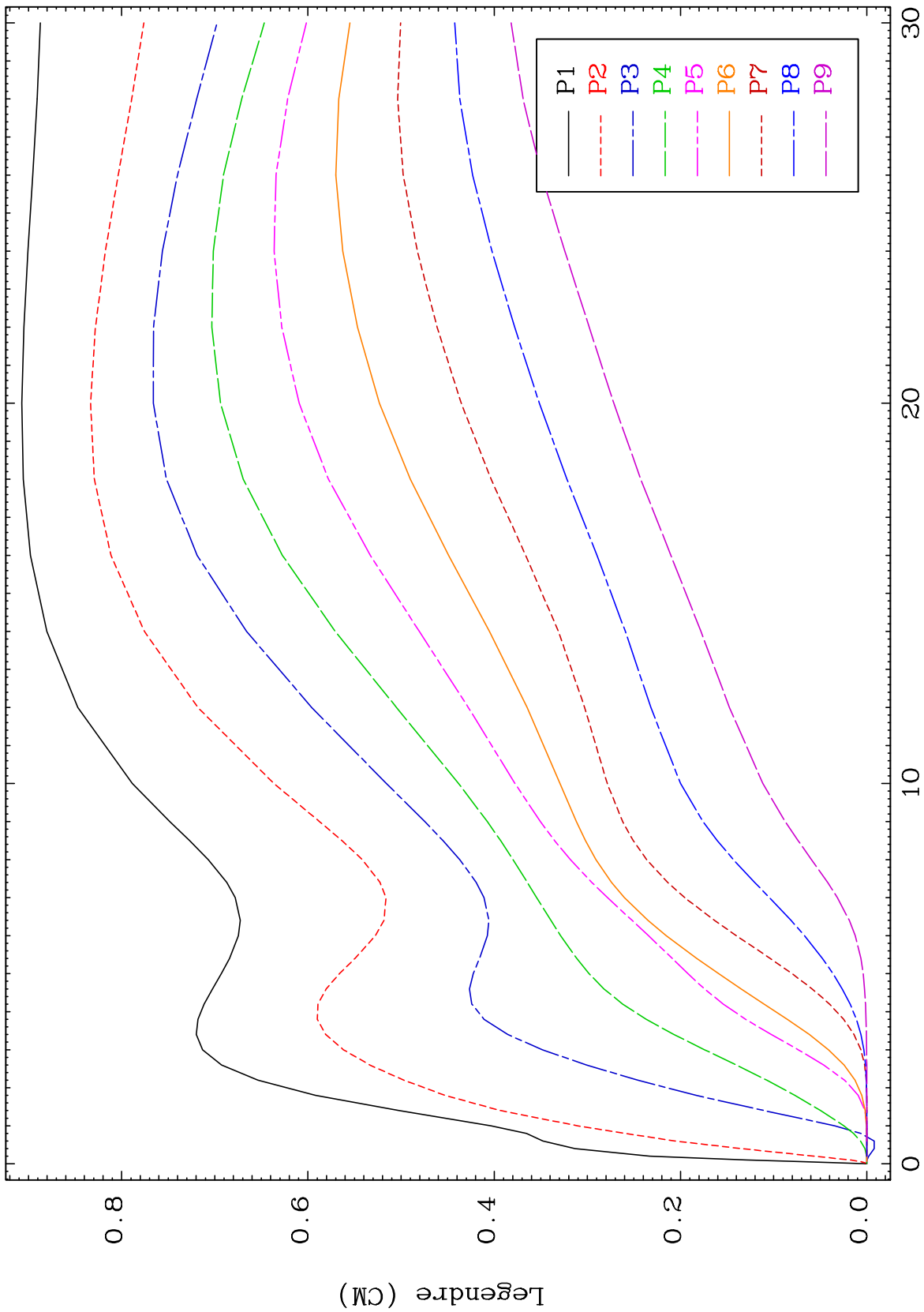
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MAT 5828

58-Ce-137

Elastic Legendre Coefficients



58-Ce-137

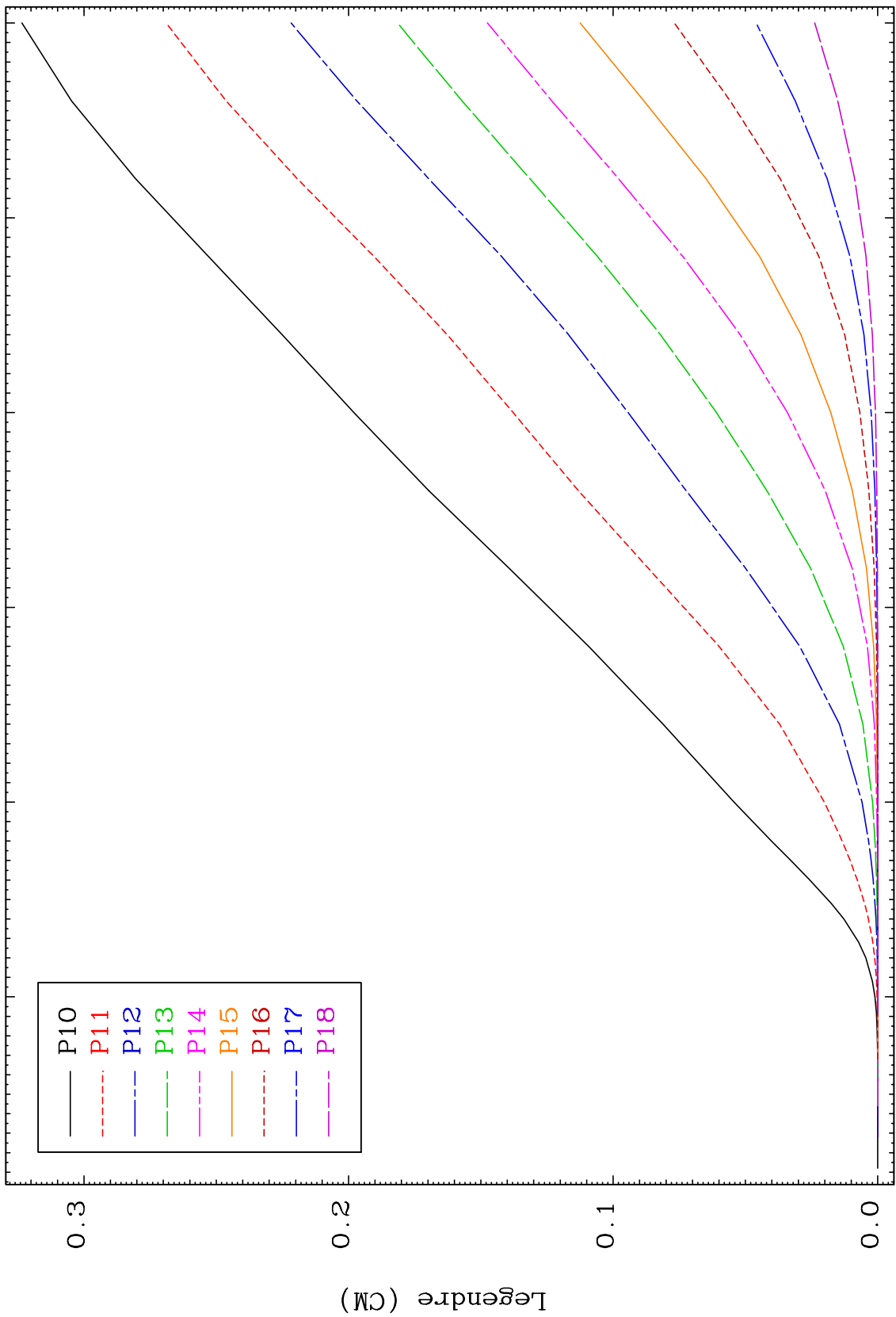
Incident Energy (MeV)

16

MAT 5828

### Elastic Legendre Coefficients

58-Ce-137



17

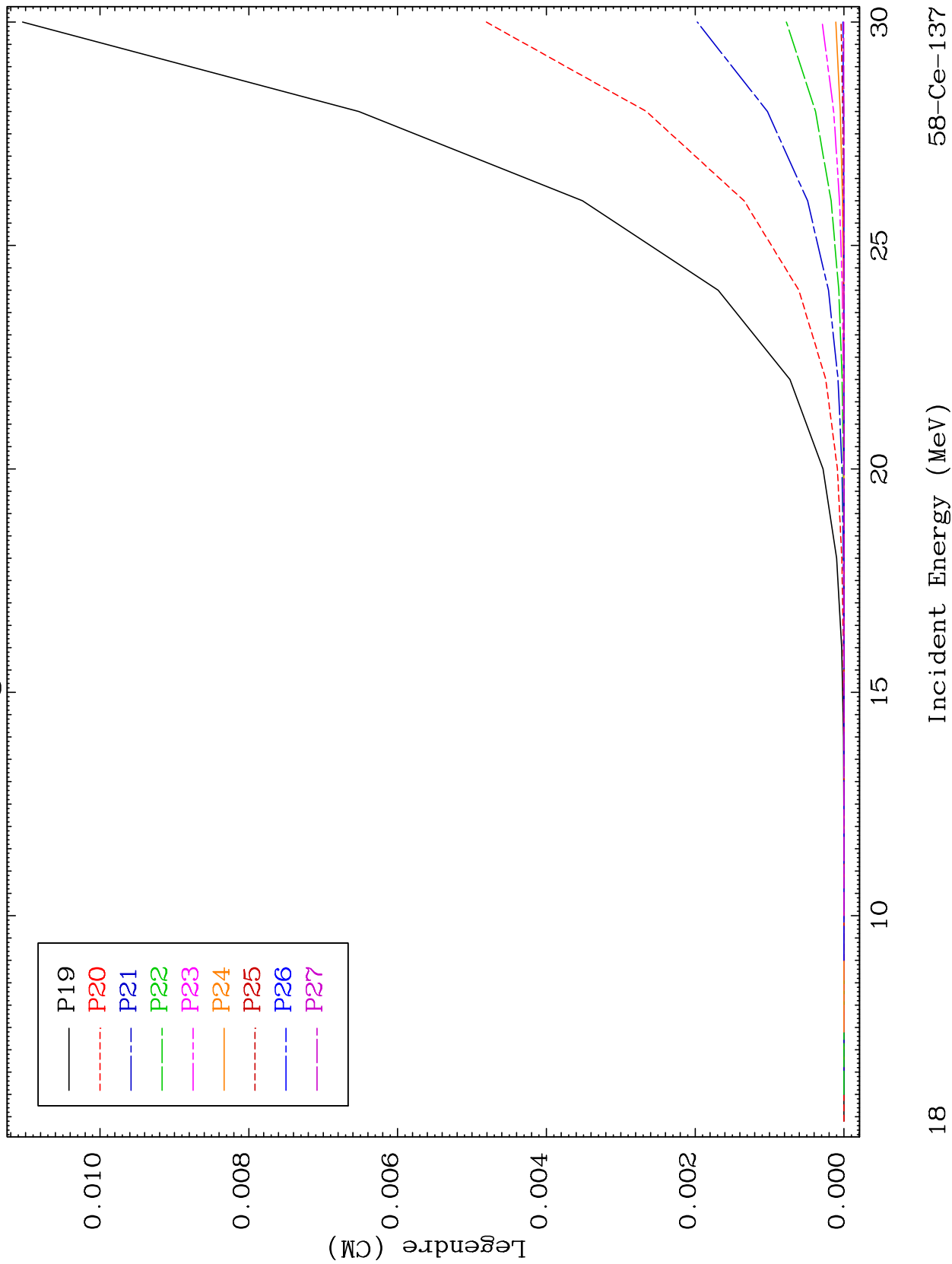
Incident Energy (MeV)

58-Ce-137

MAT 5828

### Elastic Legendre Coefficients

58-Ce-137



18

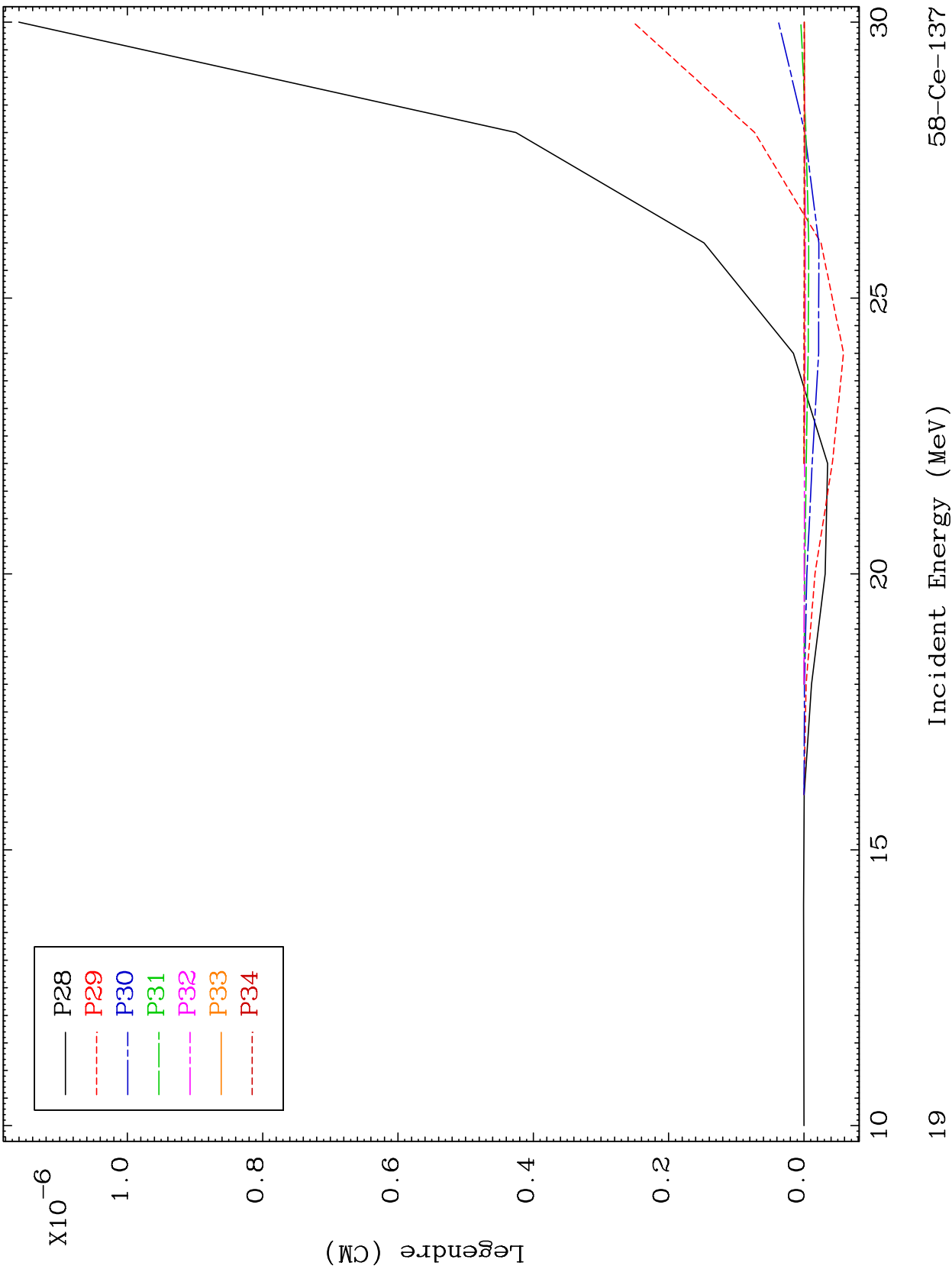
Incident Energy (MeV)

58-Ce-137

MAT 5828

Elastic Legendre Coefficients

58-Ce-137



19

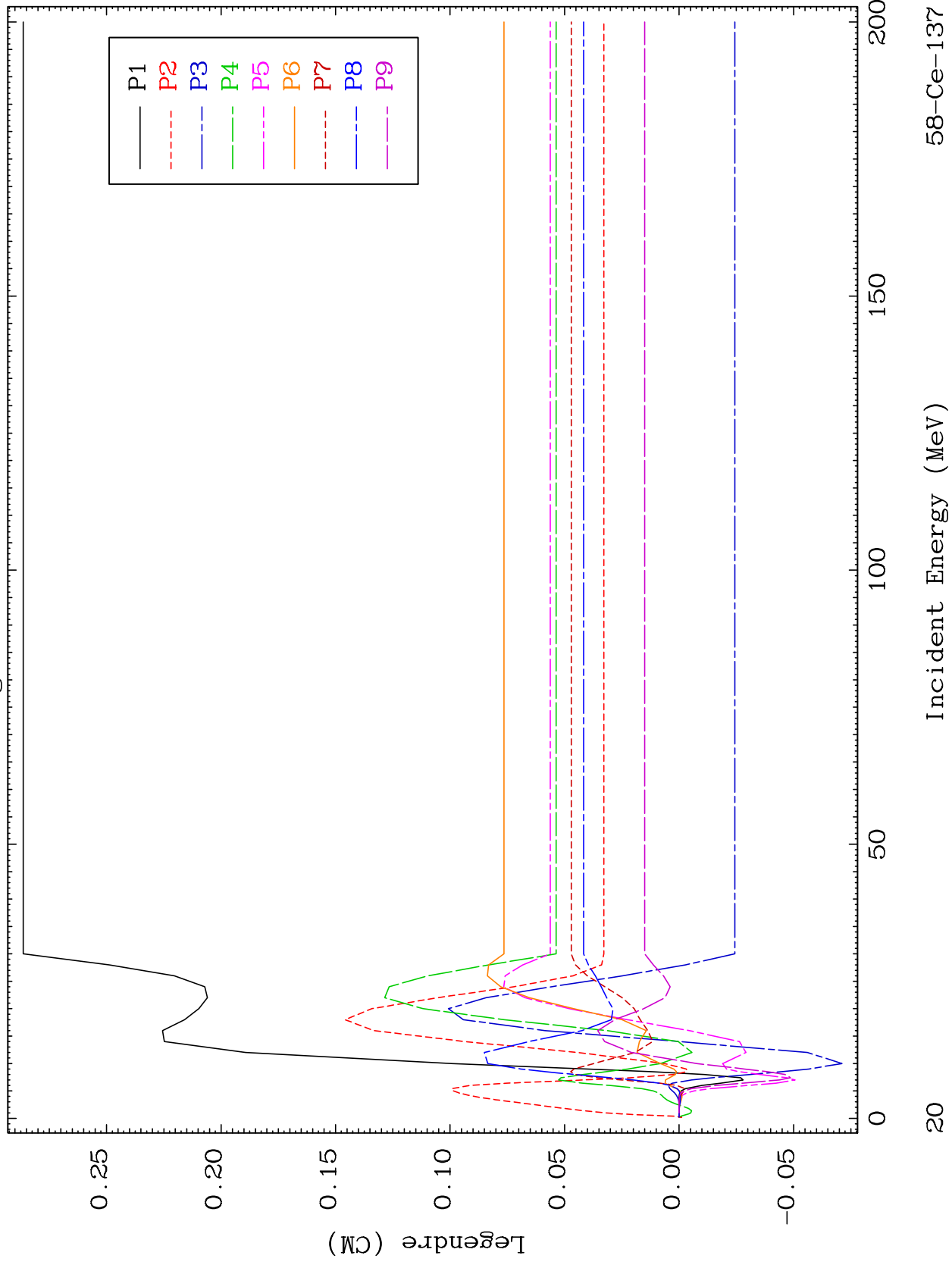
Incident Energy (MeV)

58-Ce-137

MAT 5828

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

58-Ce-137



58-Ce-137

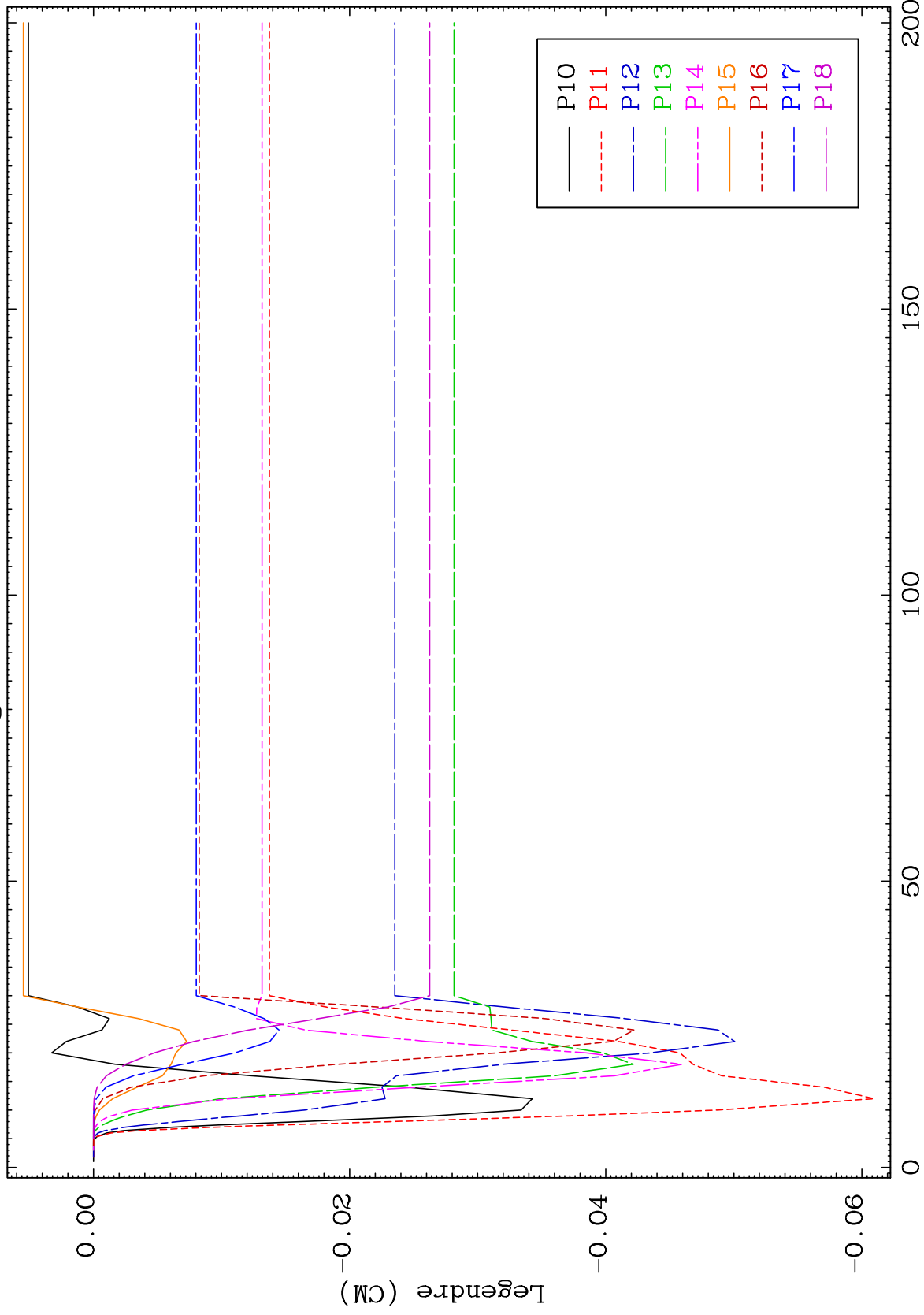
Incident Energy (MeV)

0

MAT 5828

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

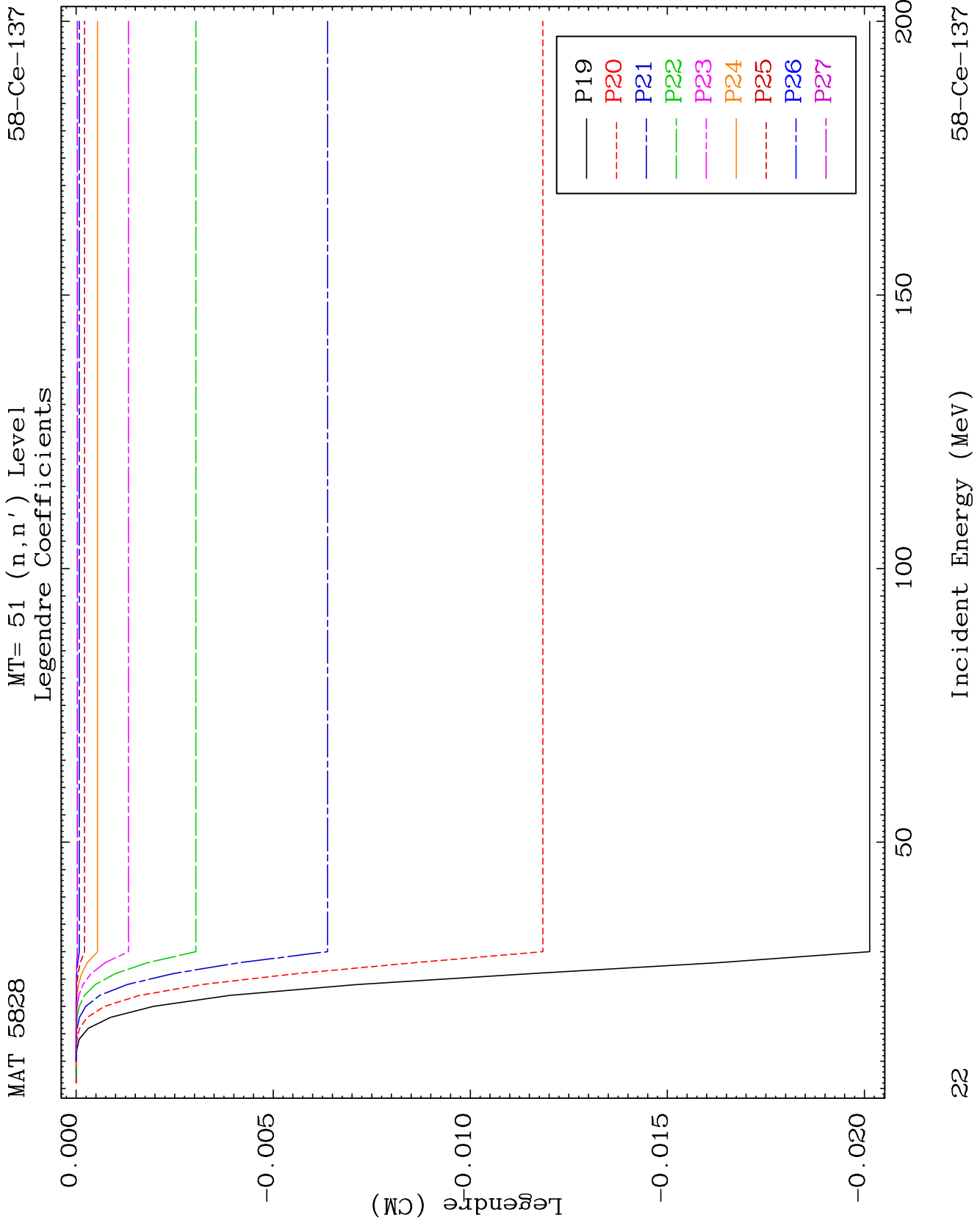
58-Ce-137

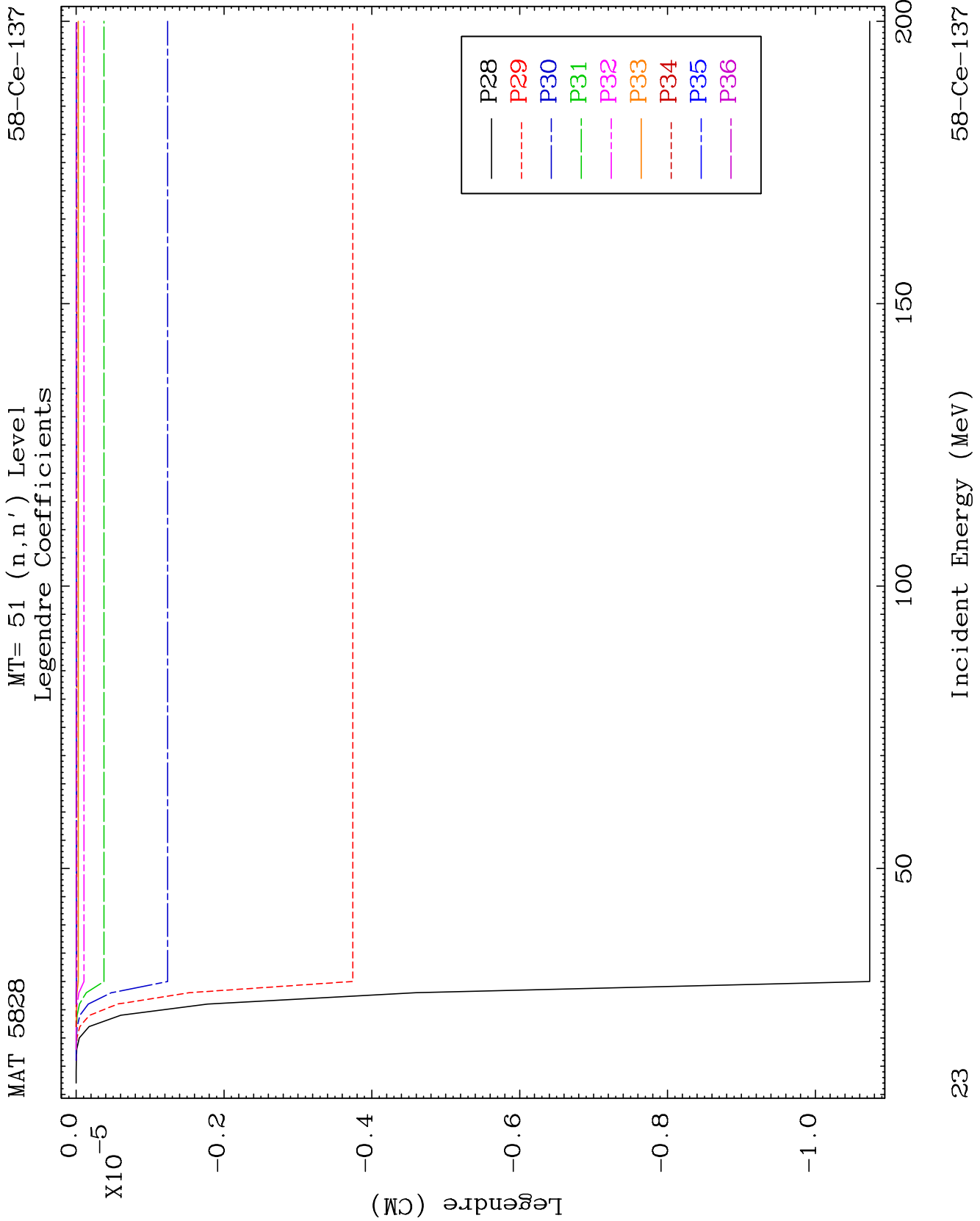


21

Incident Energy (MeV)

58-Ce-137



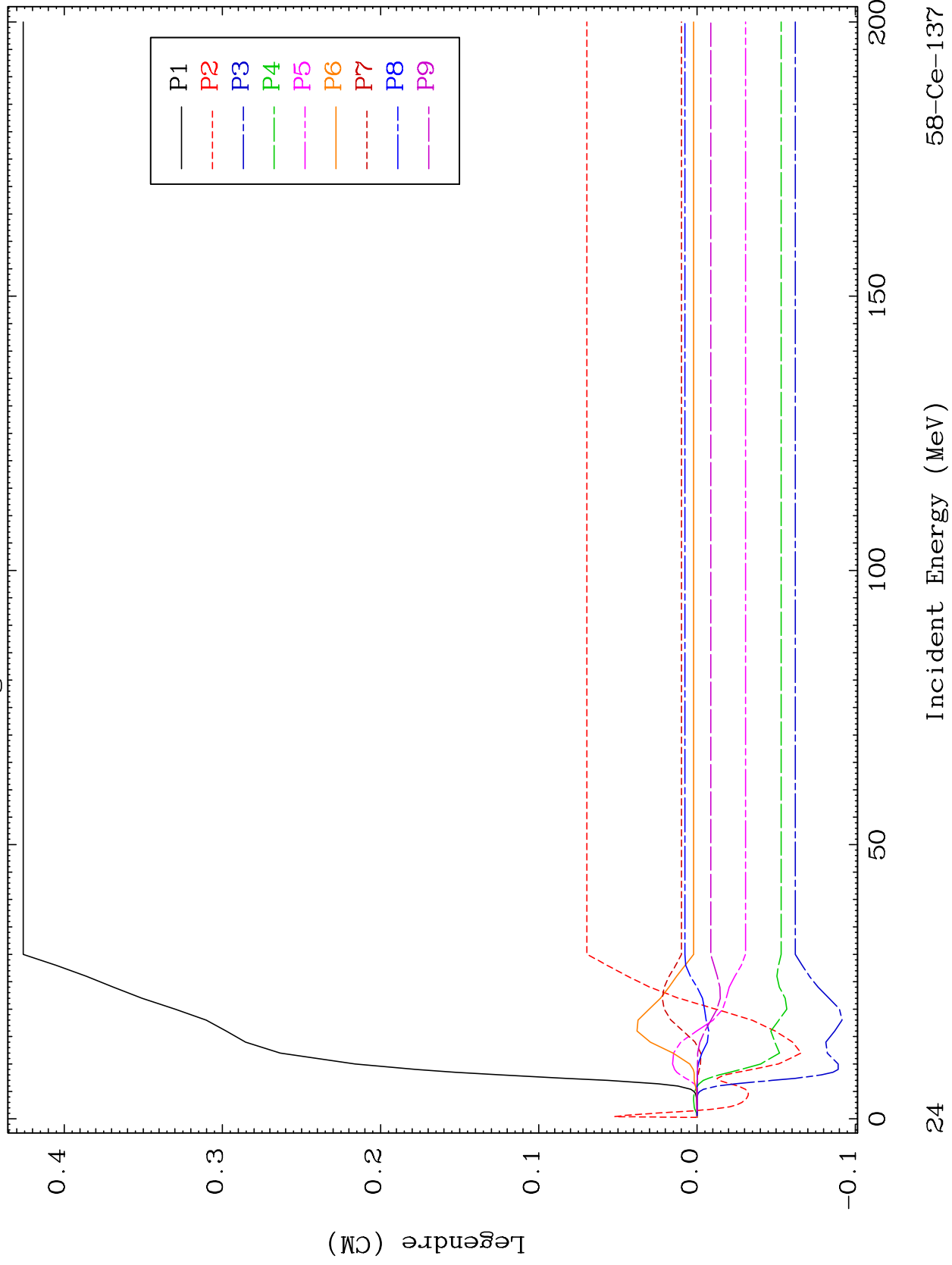




MAT 5828

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

58-Ce-137



58-Ce-137

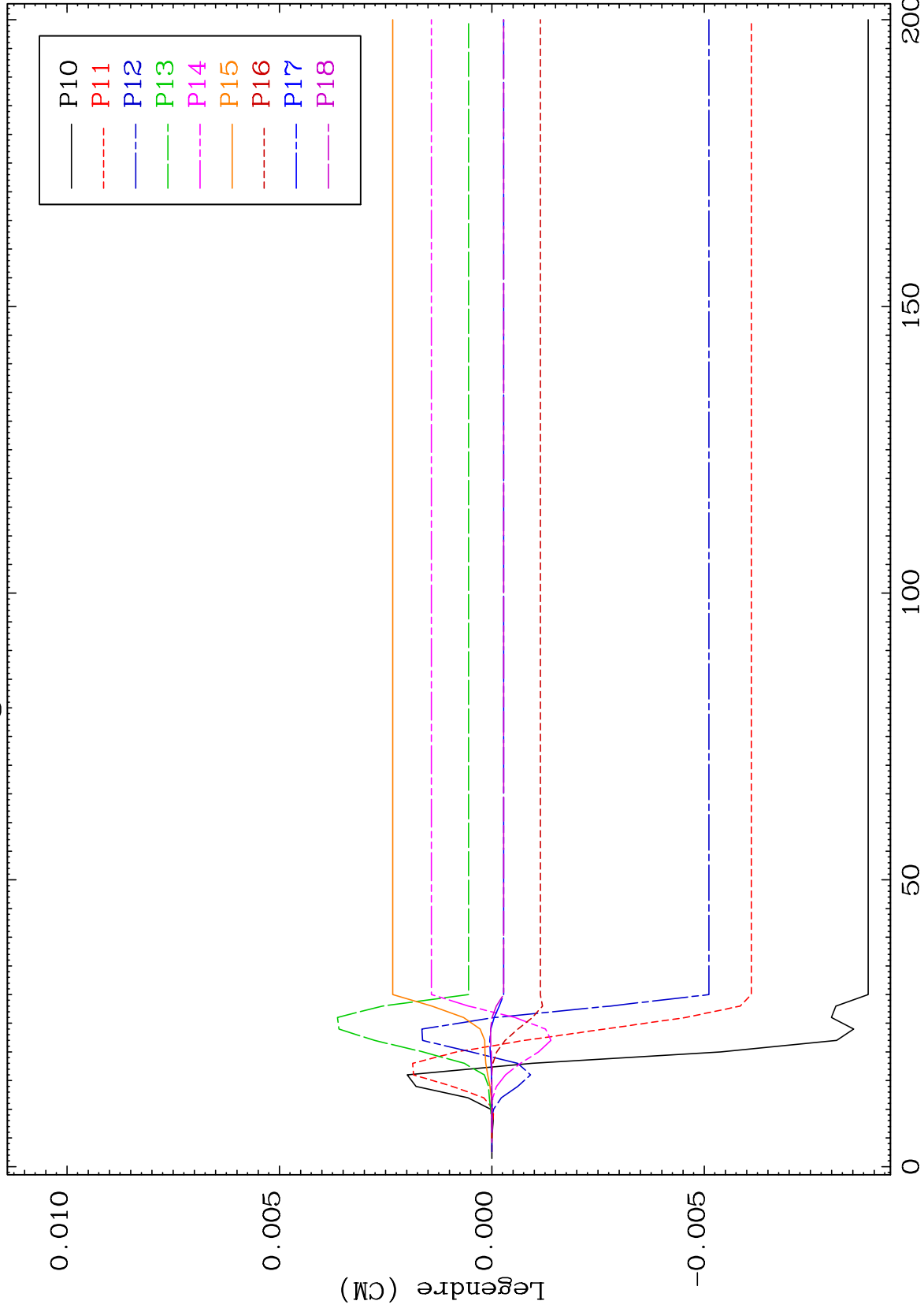
Incident Energy (MeV)

24

MAT 5828

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

58-Ce-137



25

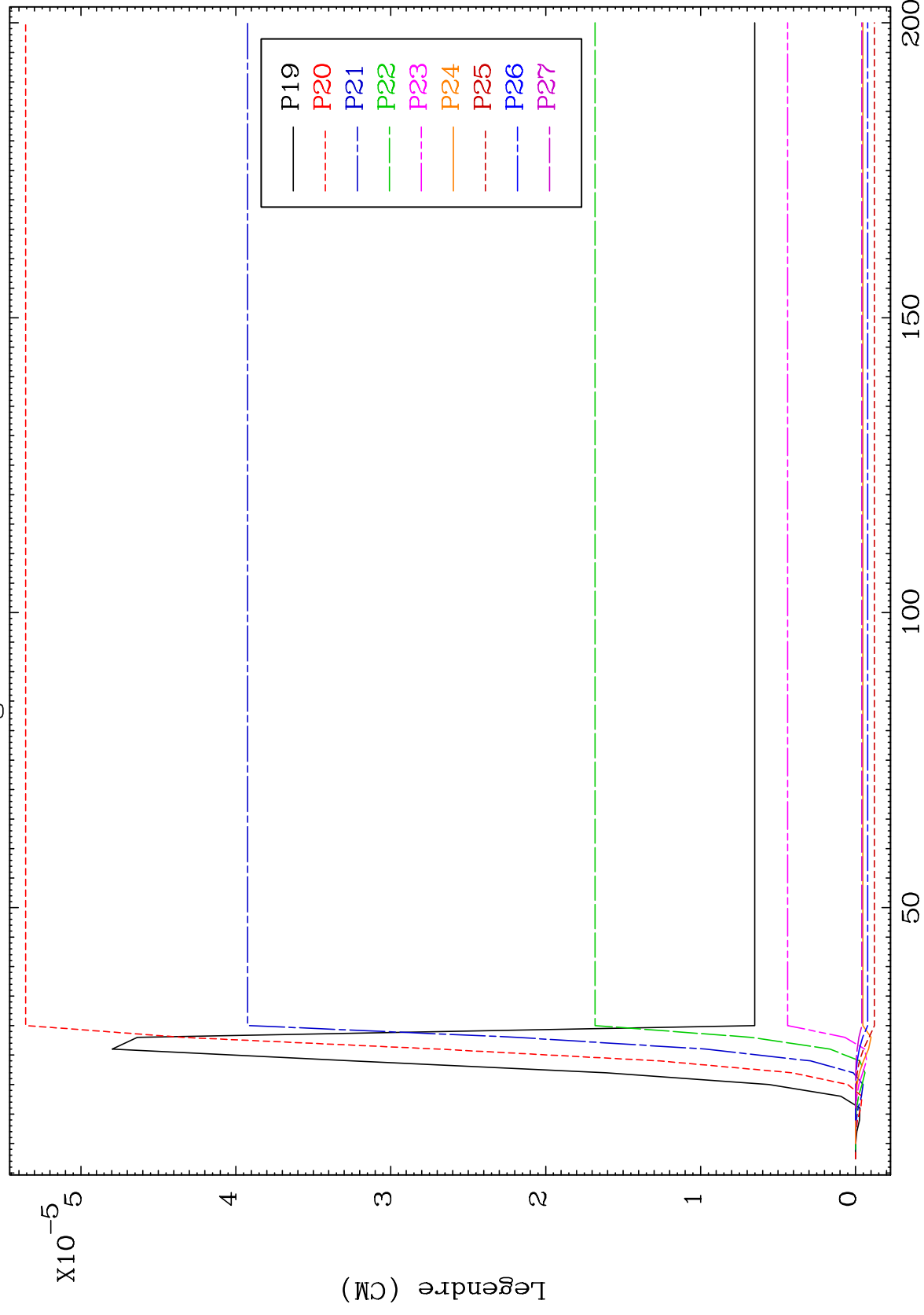
Incident Energy (MeV)

58-Ce-137

MAT 5828

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

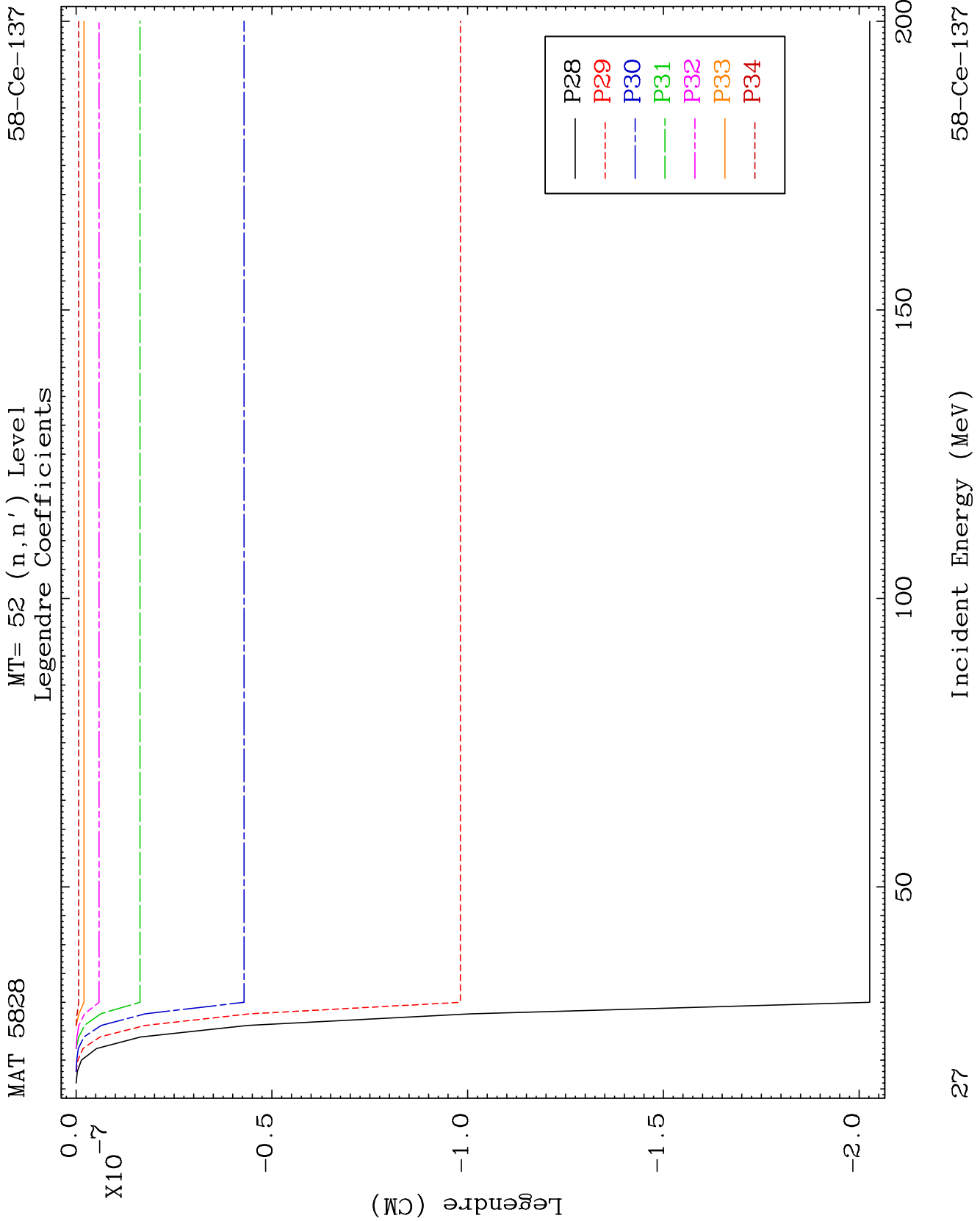
58-Ce-137



26

Incident Energy (MeV)

58-Ce-137

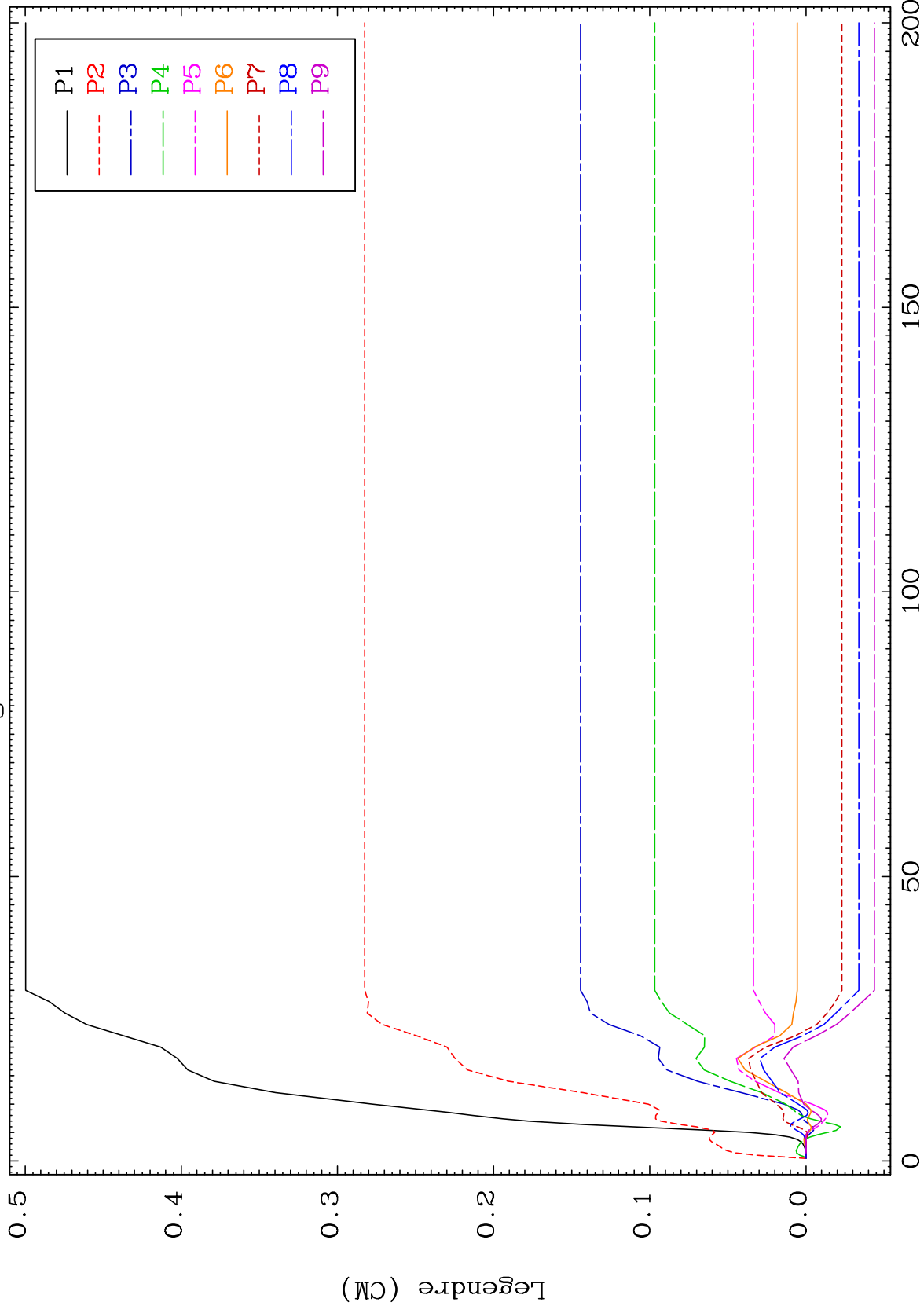


MAT 5828

MT= 53 (n,n') Level

58-Ce-137

Legendre Coefficients



28

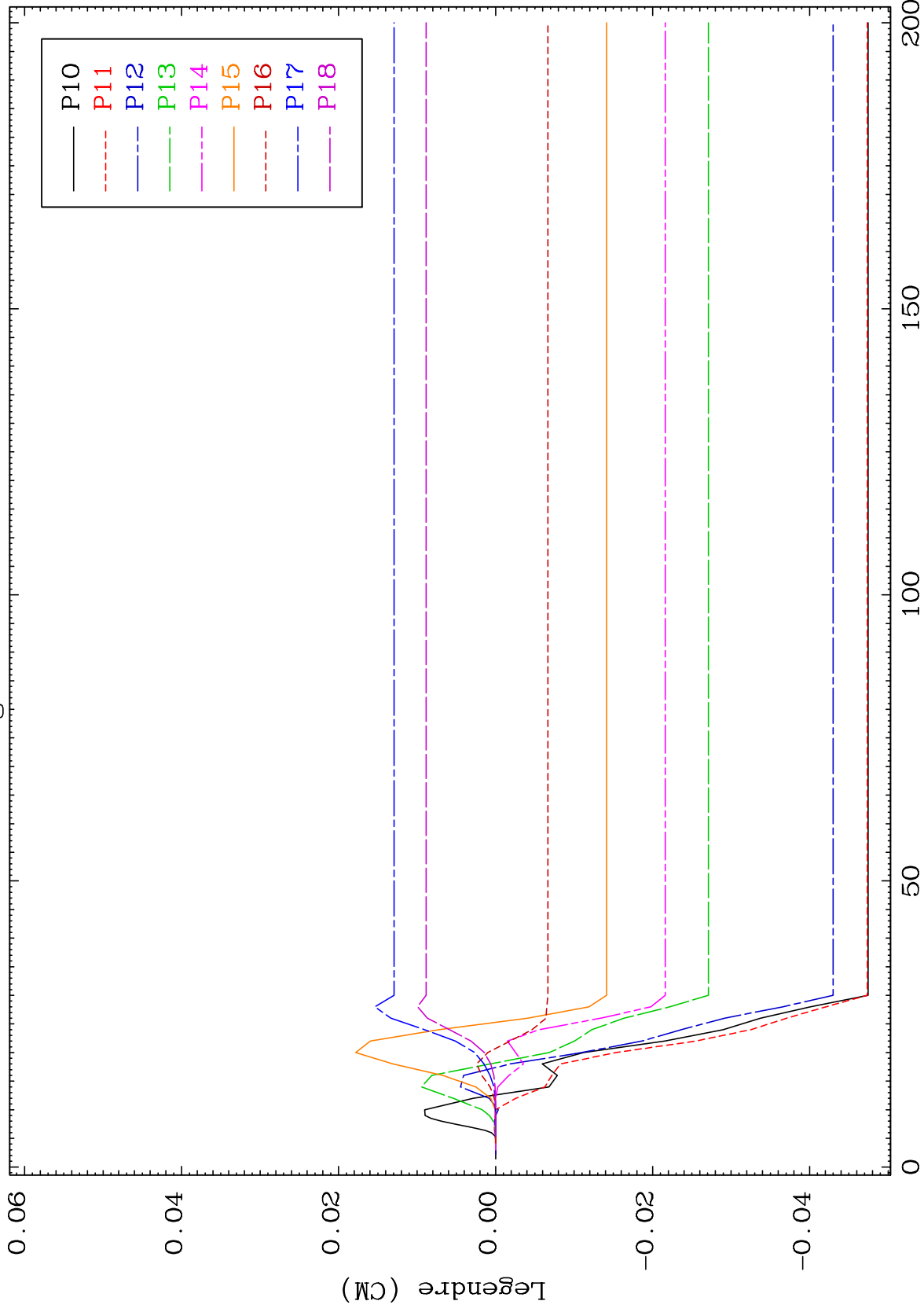
Incident Energy (MeV)

58-Ce-137

MAT 5828

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

58-Ce-137



29

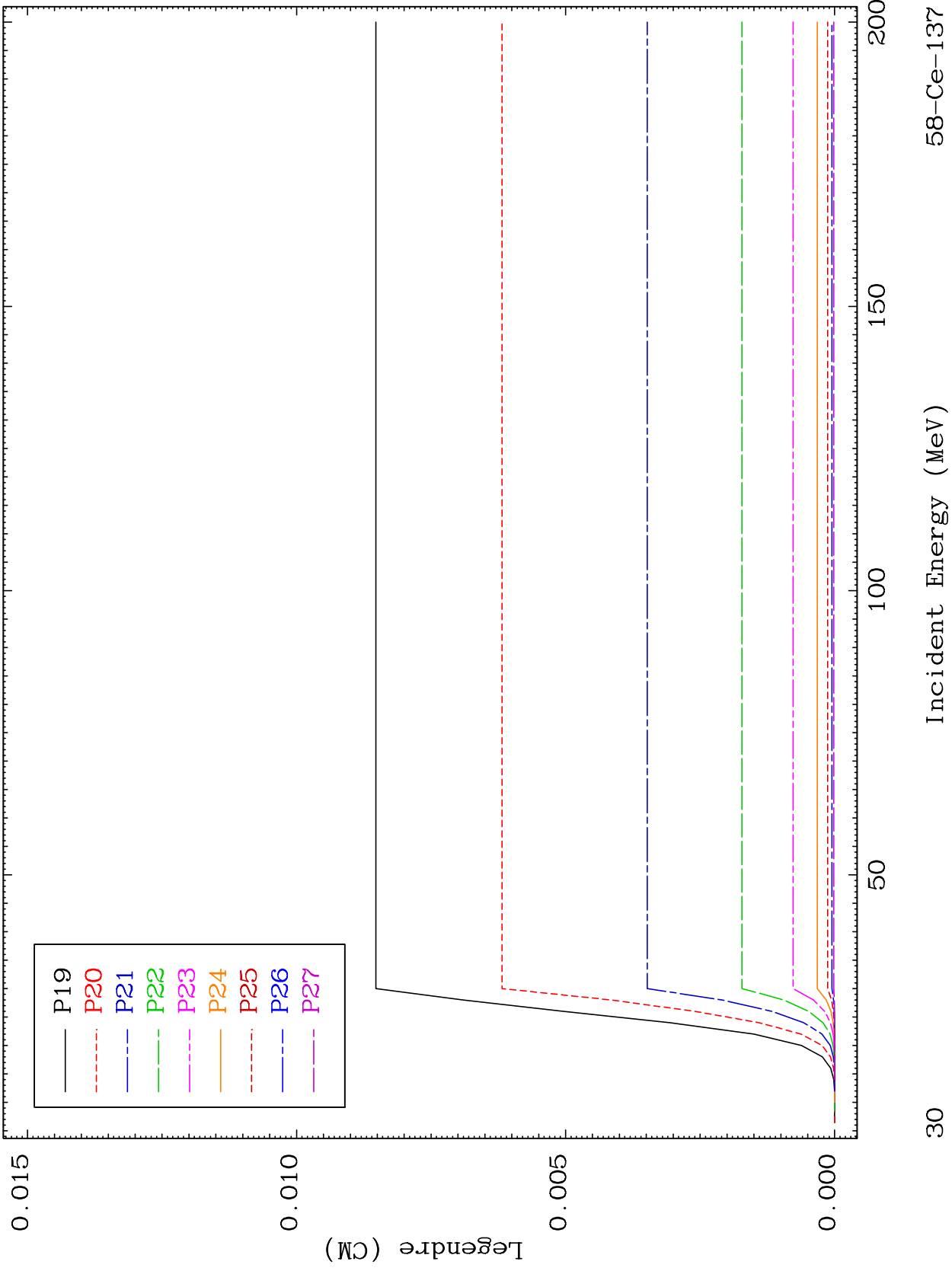
Incident Energy (MeV)

58-Ce-137

MAT 5828

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

58-Ce-137



58-Ce-137

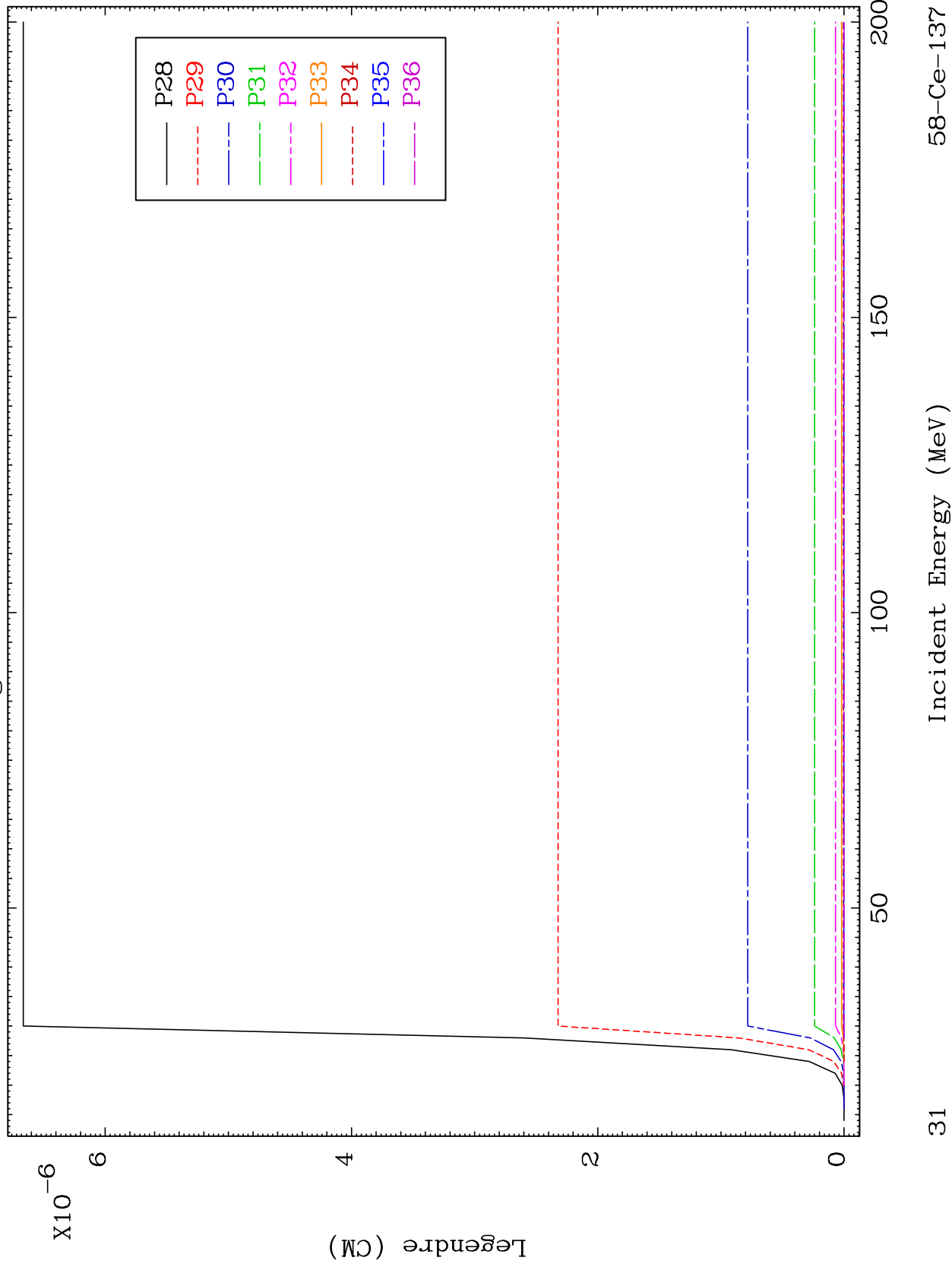
Incident Energy (MeV)

30

MAT 5828

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

58-Ce-137



31

Incident Energy (MeV)

58-Ce-137

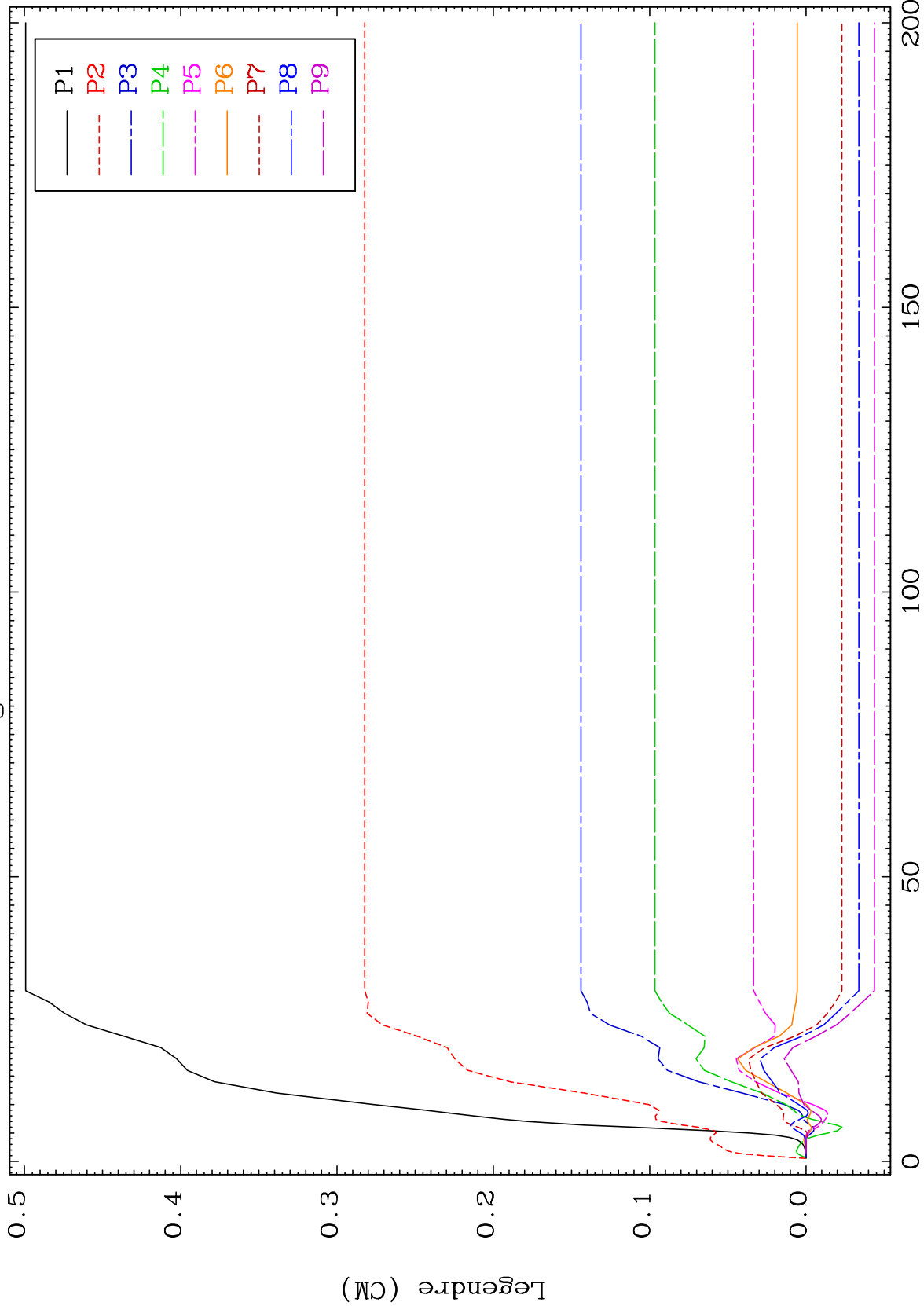


MAT 5828

MT= 54 (n,n') Level

58-Ce-137

Legendre Coefficients



32

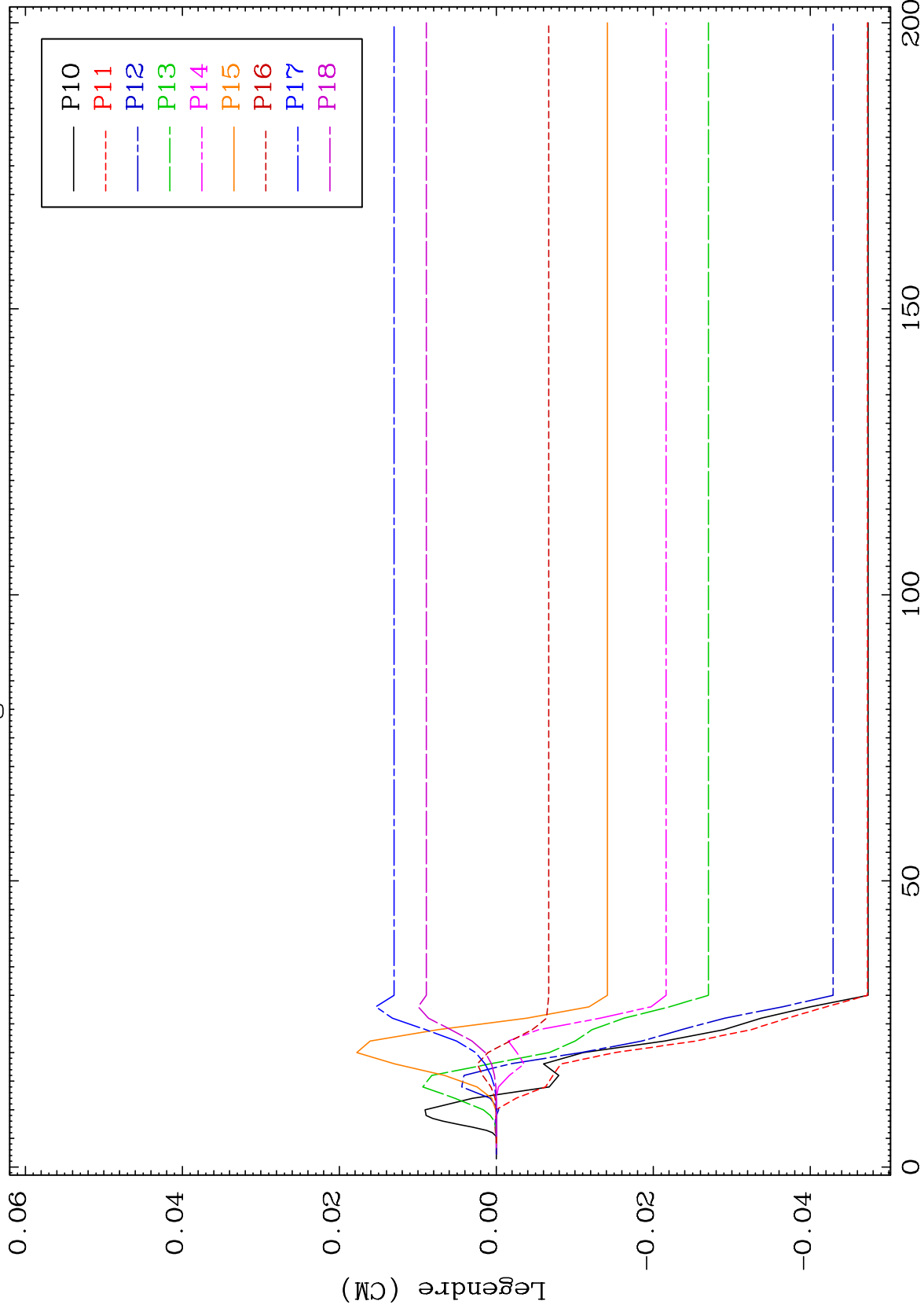
Incident Energy (MeV)

58-Ce-137

MAT 5828

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

58-Ce-137



33

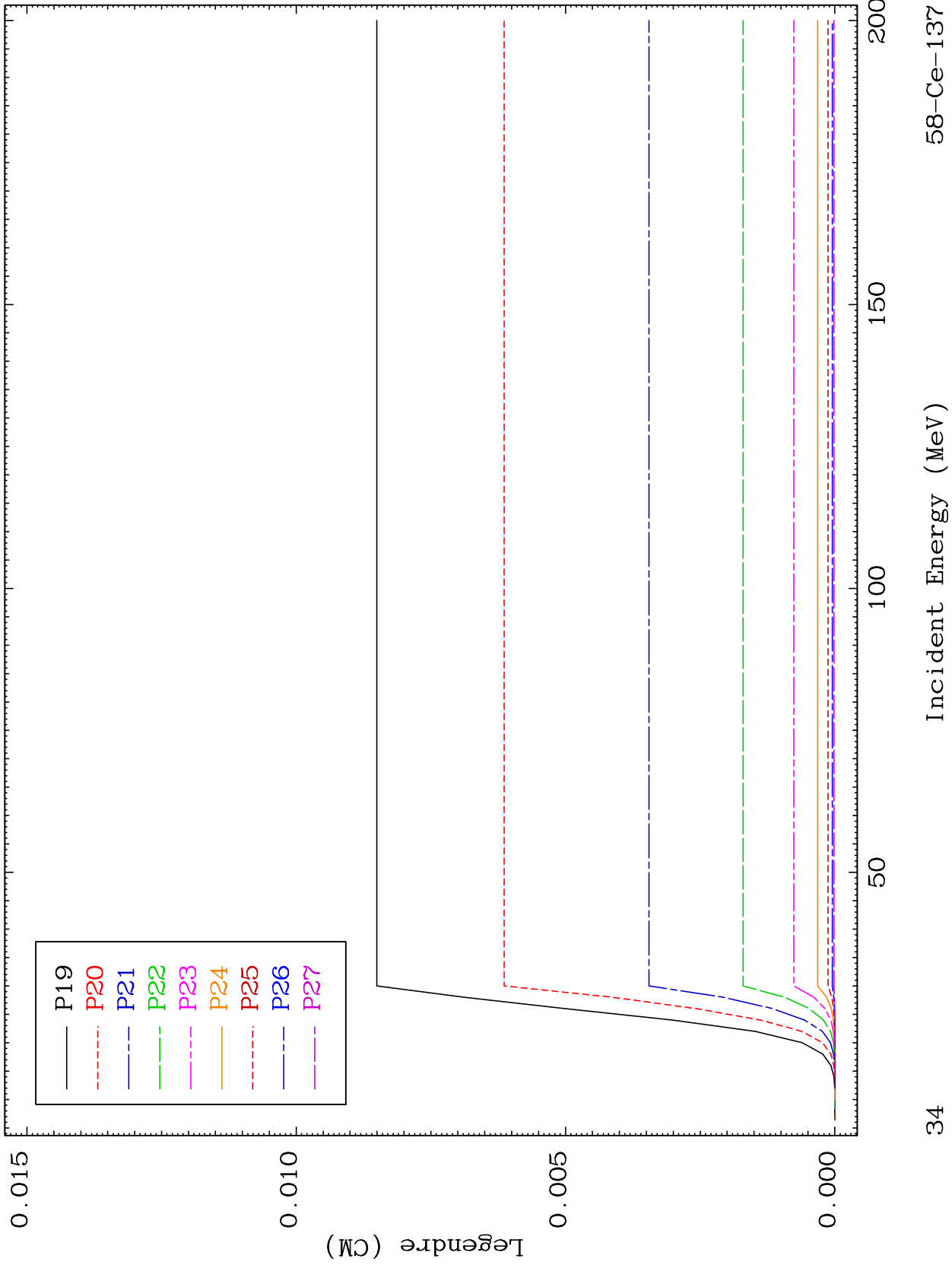
Incident Energy (MeV)

58-Ce-137

MAT 5828

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

58-Ce-137



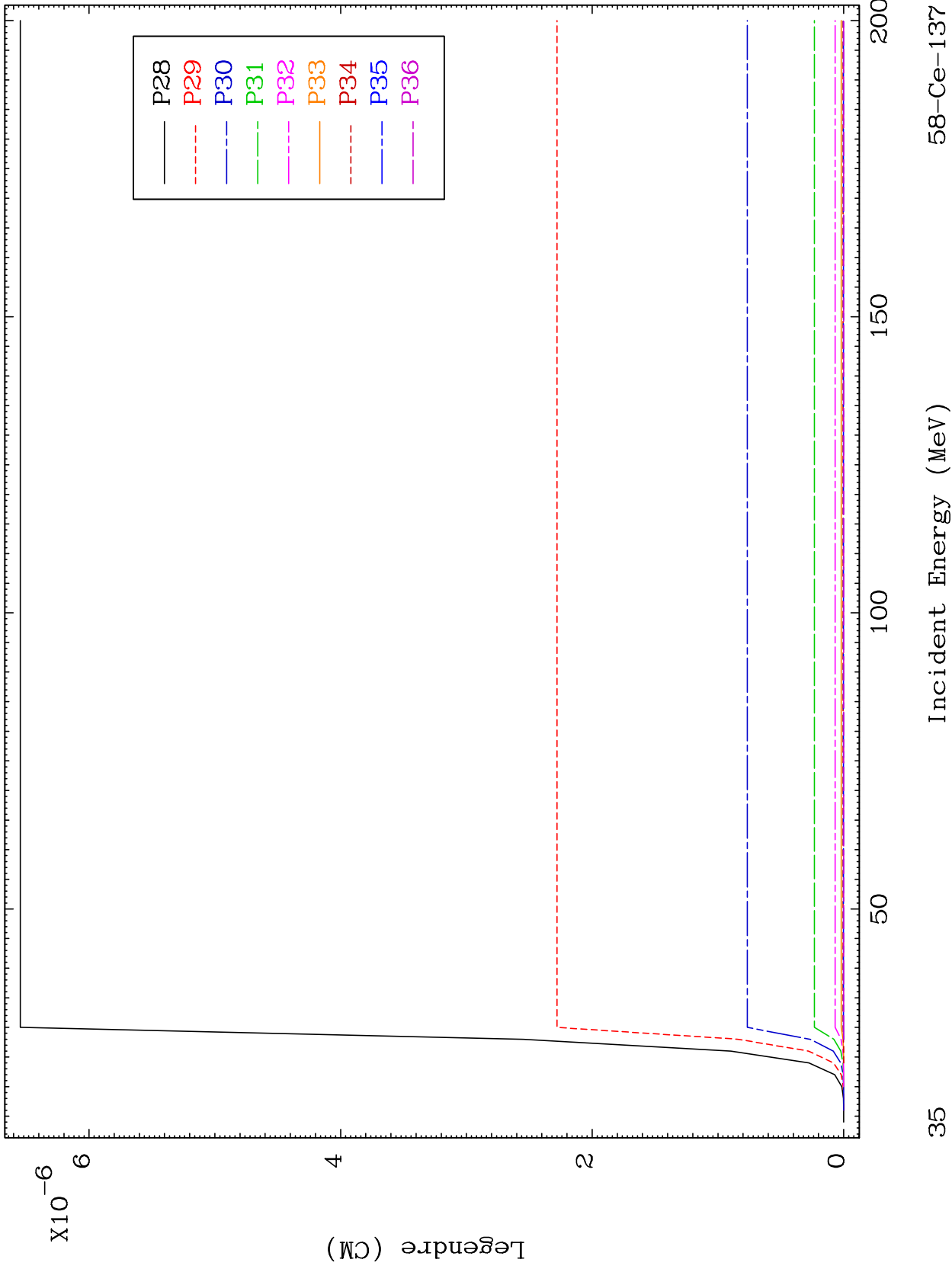
34

58-Ce-137

MAT 5828

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

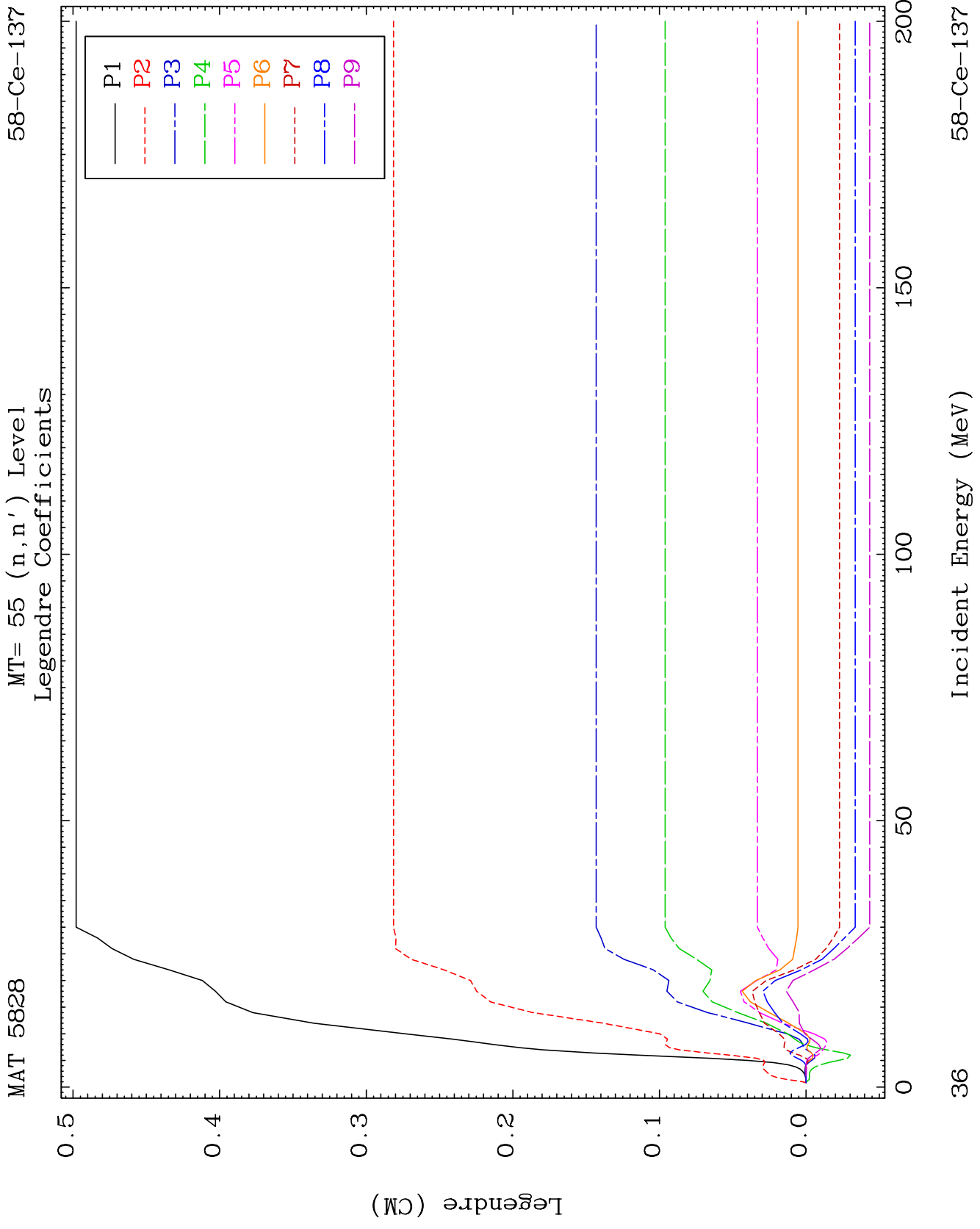
58-Ce-137



35

Incident Energy (MeV)

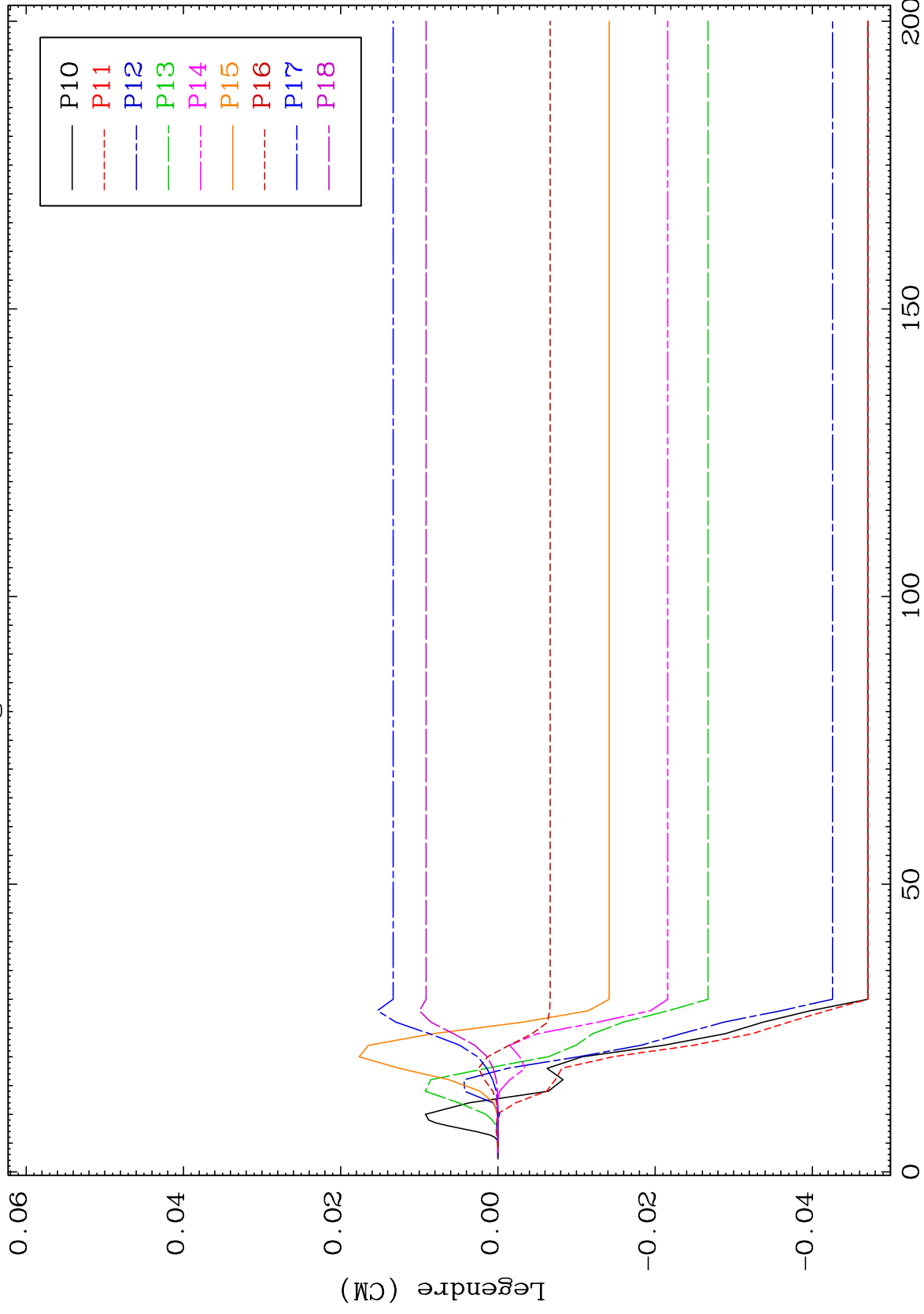
58-Ce-137



MAT 5828

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

58-Ce-137



37

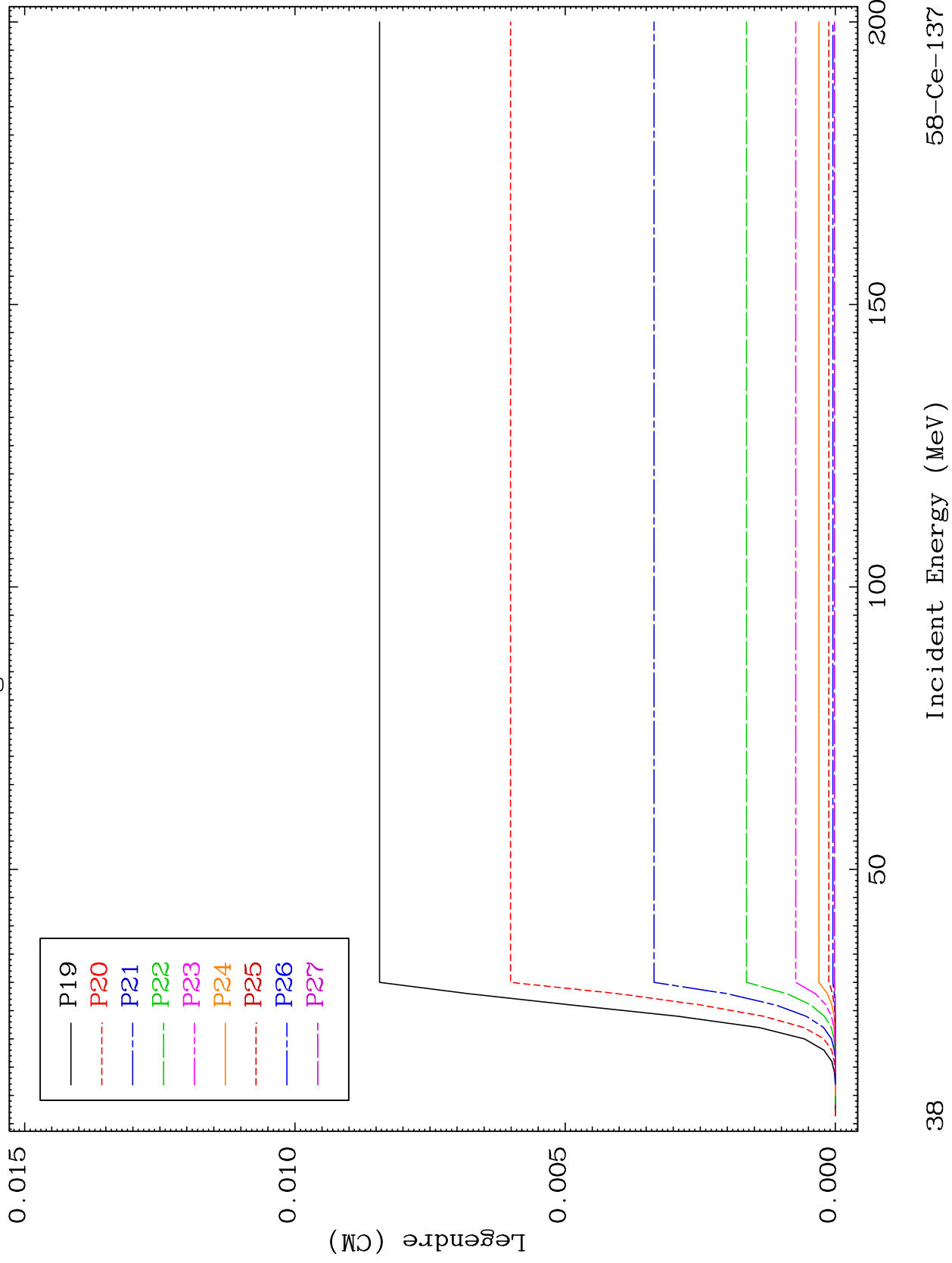
Incident Energy (MeV)

58-Ce-137

MAT 5828

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

58-Ce-137



38

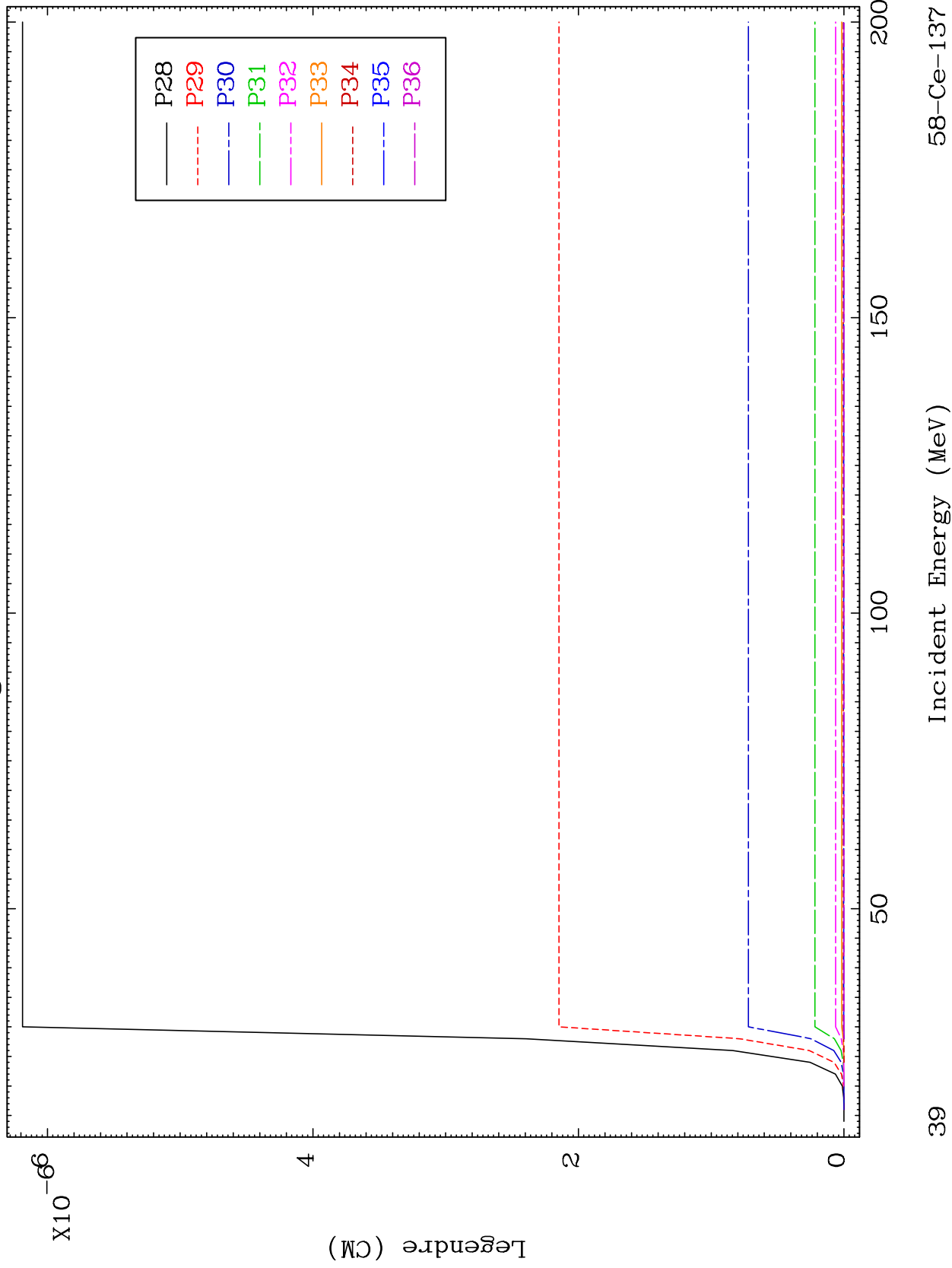
Incident Energy (MeV)

58-Ce-137

MAT 5828

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

58-Ce-137



39

Incident Energy (MeV)

58-Ce-137

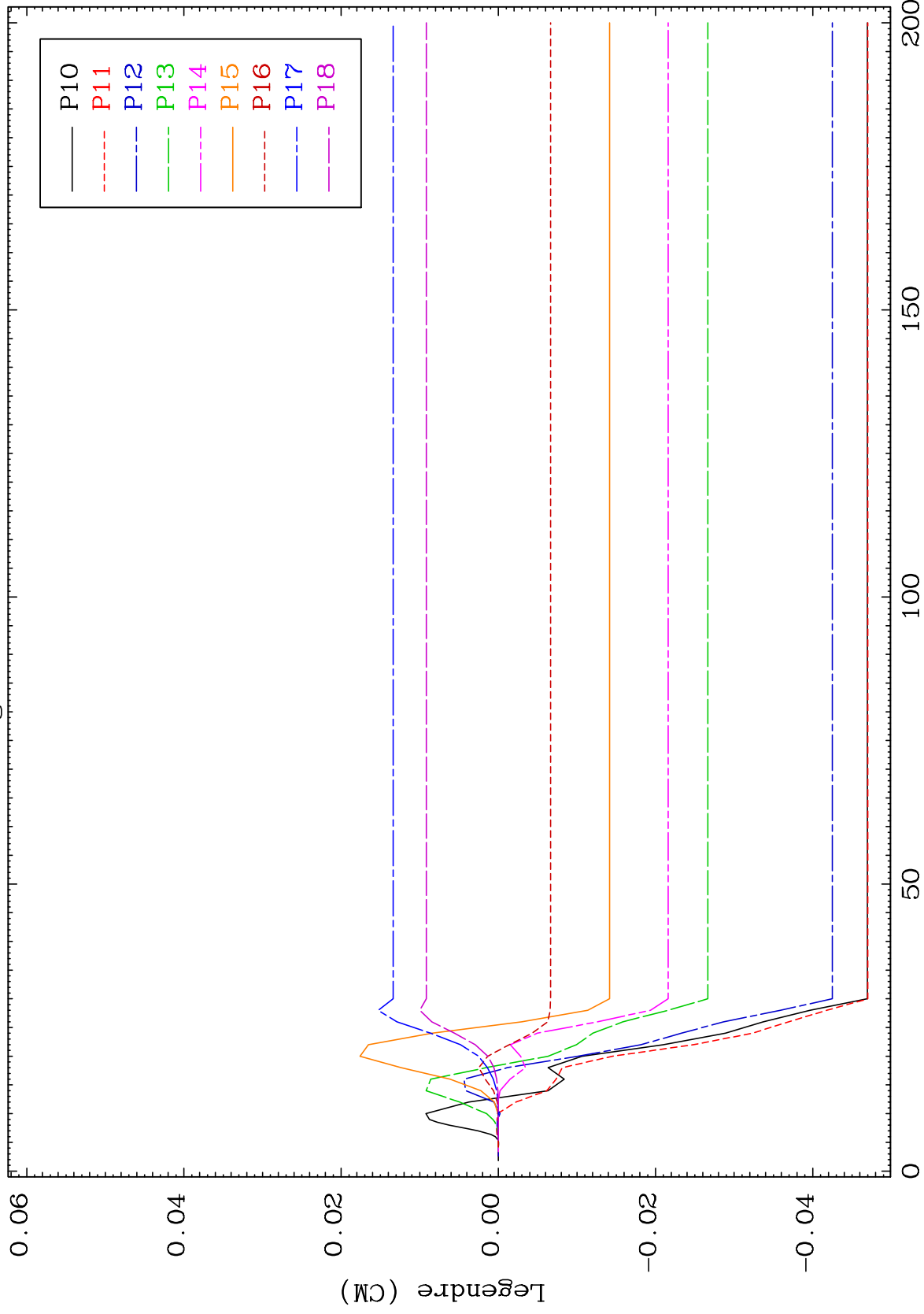




MAT 5828

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

58-Ce-137



41

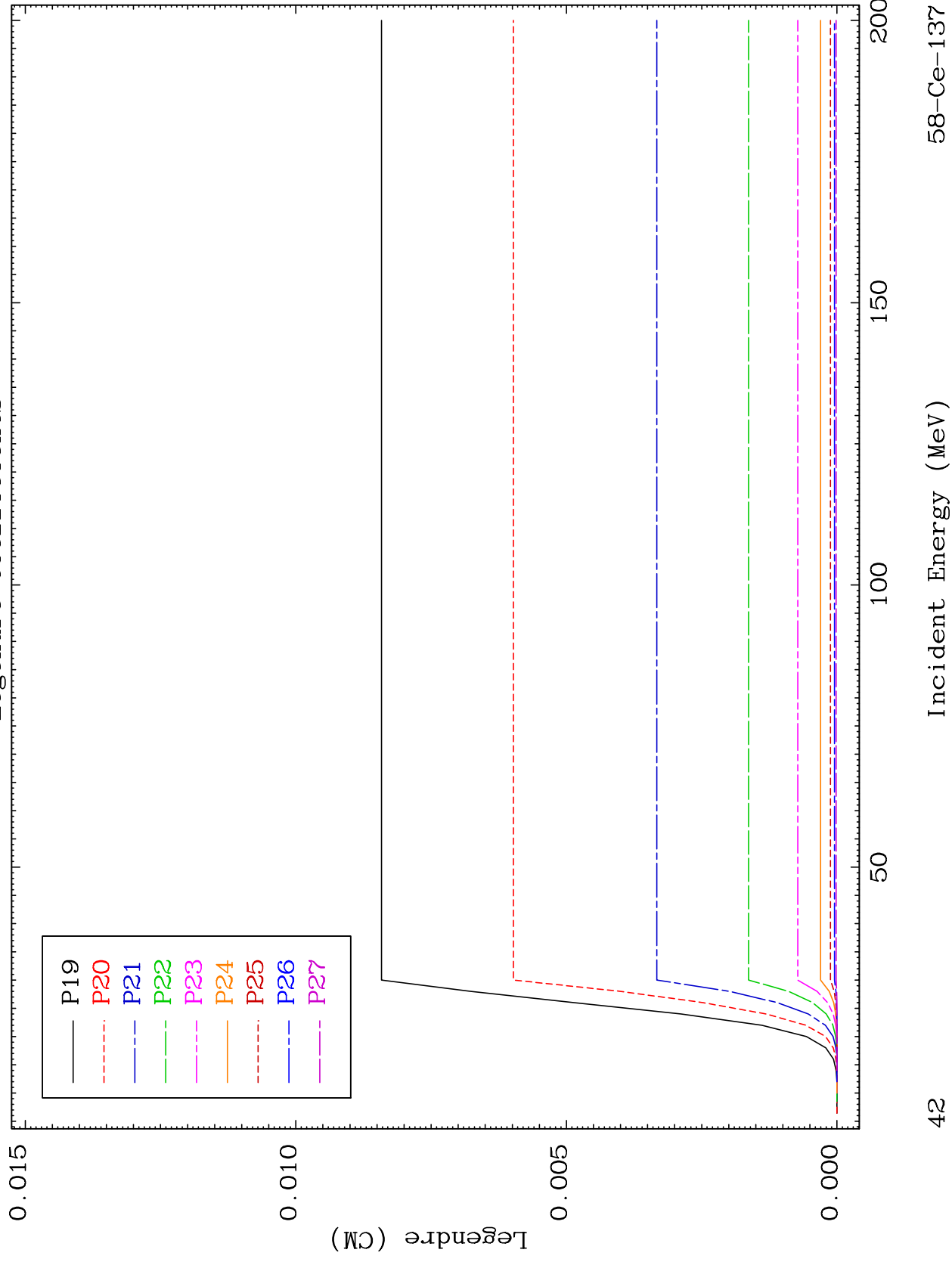
Incident Energy (MeV)

58-Ce-137

MAT 5828

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

58-Ce-137



58-Ce-137

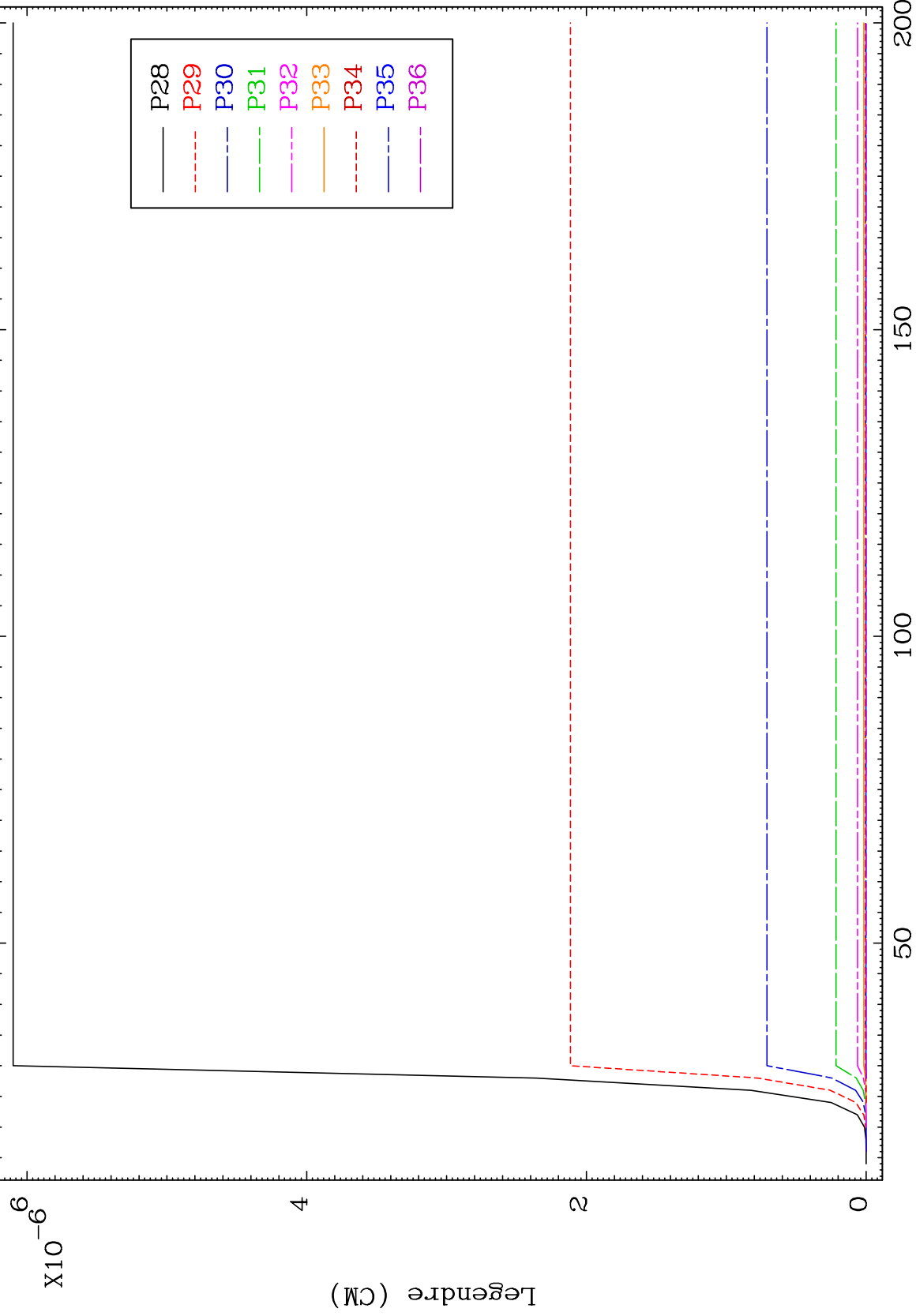
Incident Energy (MeV)

42

MAT 5828

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

58-Ce-137



43

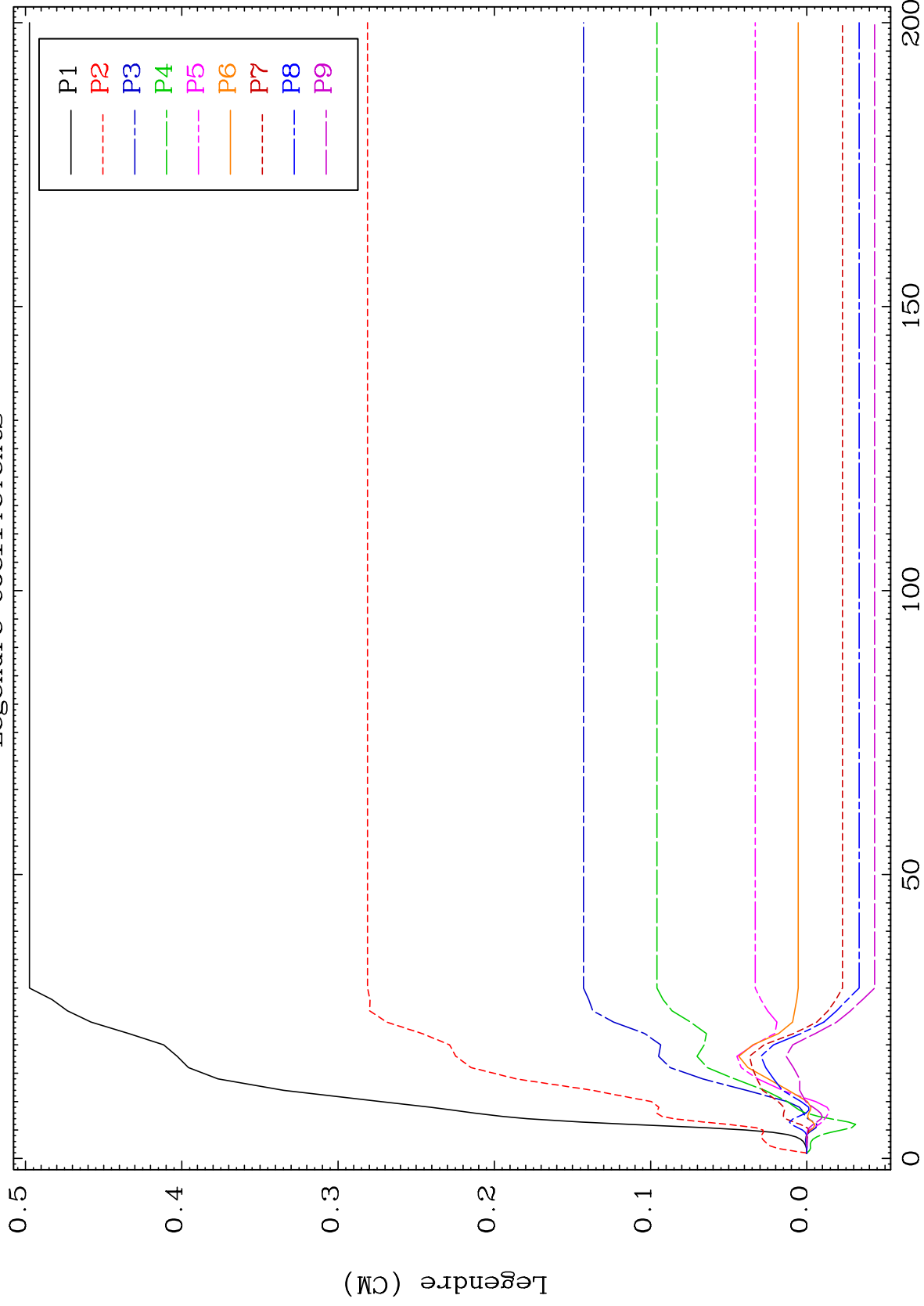
Incident Energy (MeV)

58-Ce-137

MAT 5828

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

58-Ce-137



44

Incident Energy (MeV)

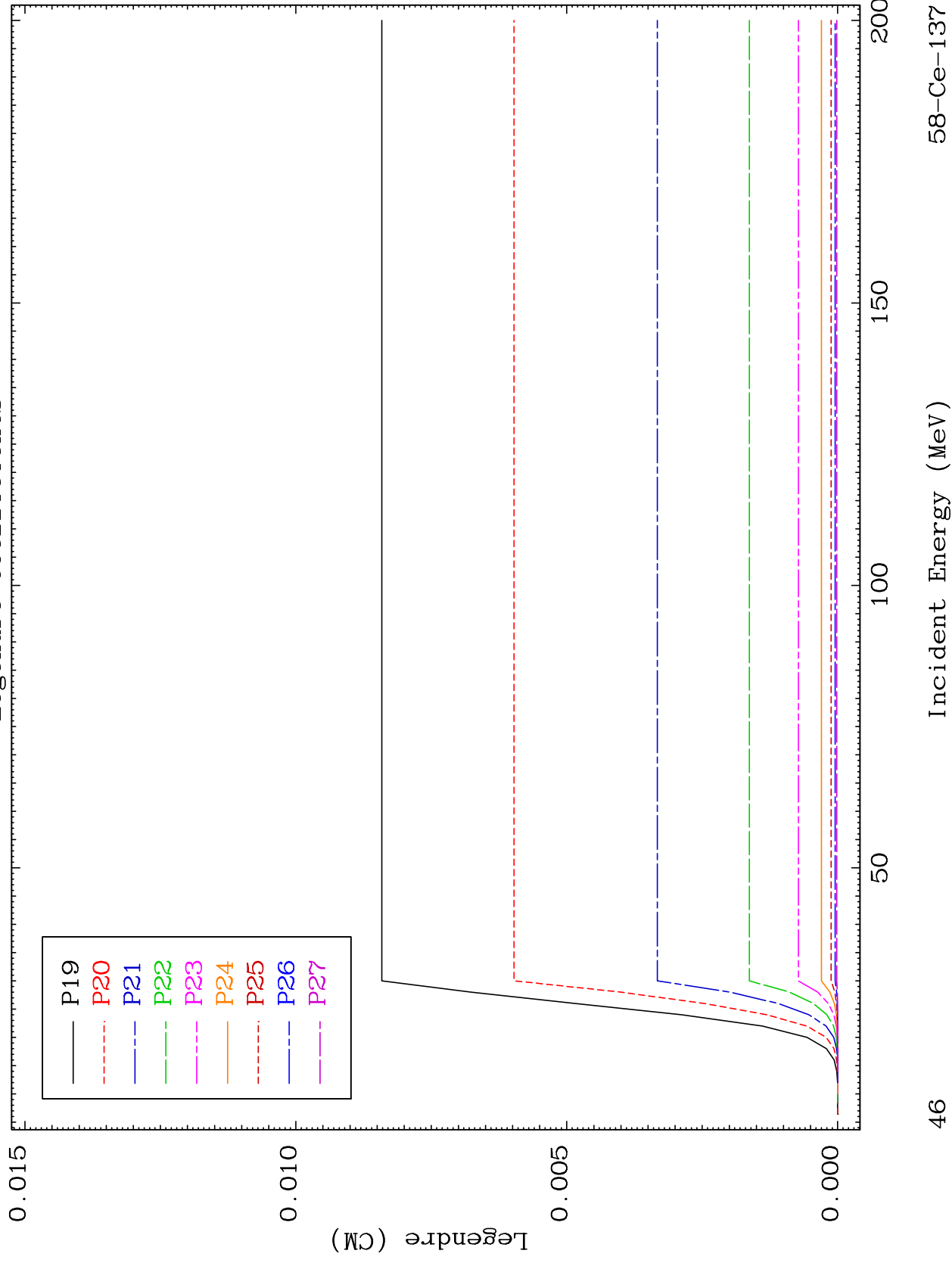
58-Ce-137



MAT 5828

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

58-Ce-137



46

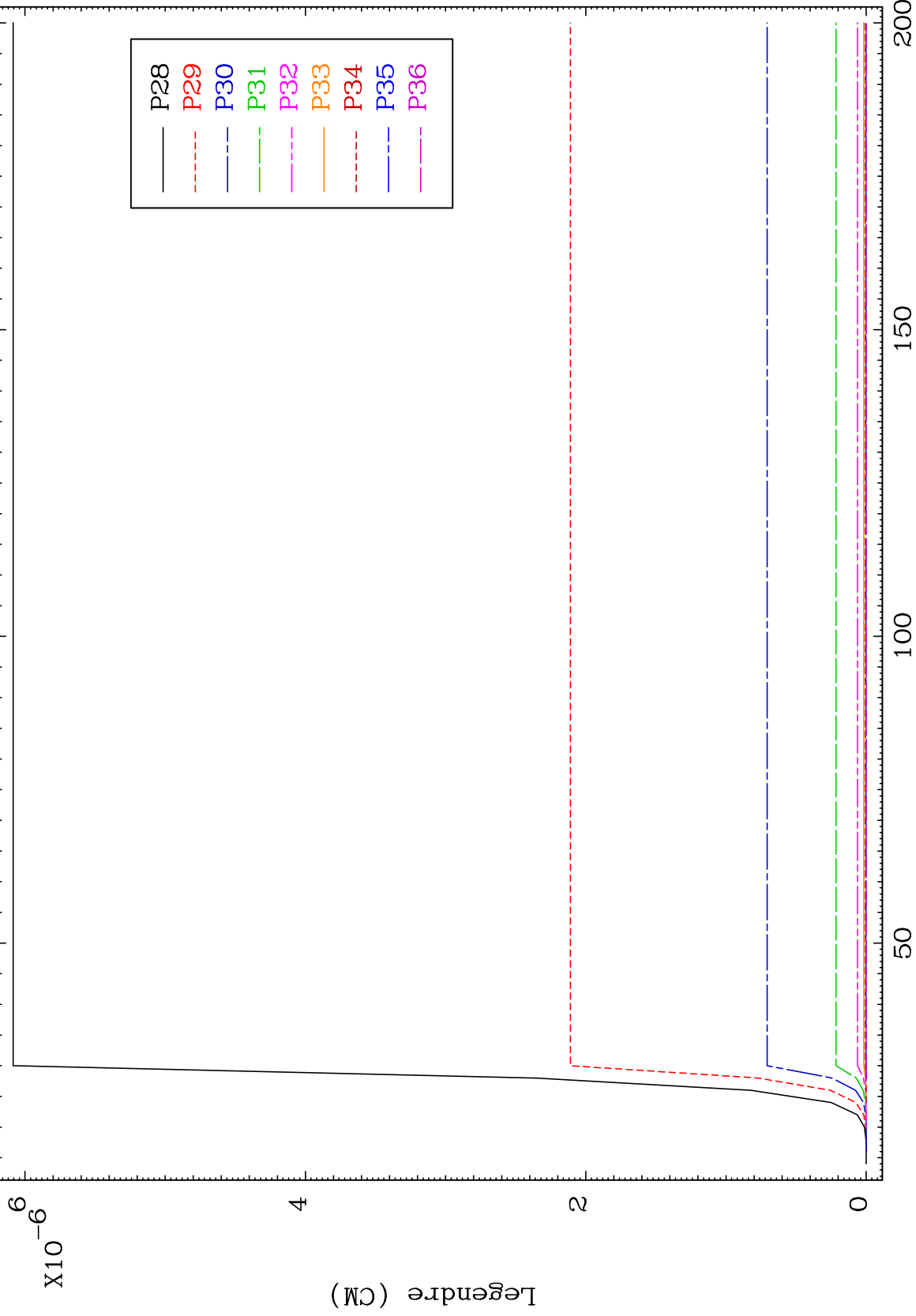
Incident Energy (MeV)

58-Ce-137

MAT 5828

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

58-Ce-137



47

Incident Energy (MeV)

58-Ce-137

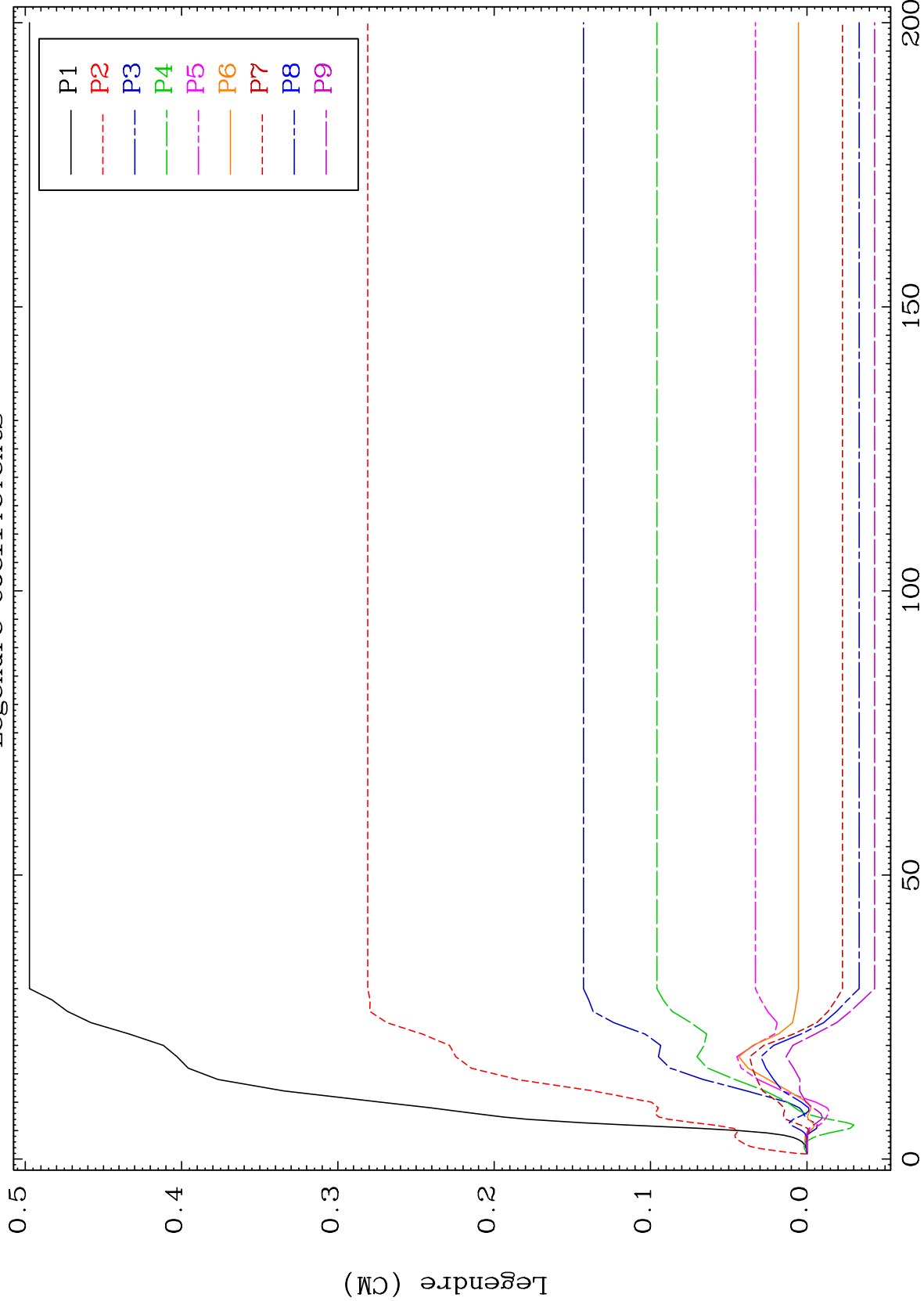


MAT 5828

MT= 58 (n,n') Level

58-Ce-137

Legendre Coefficients



48

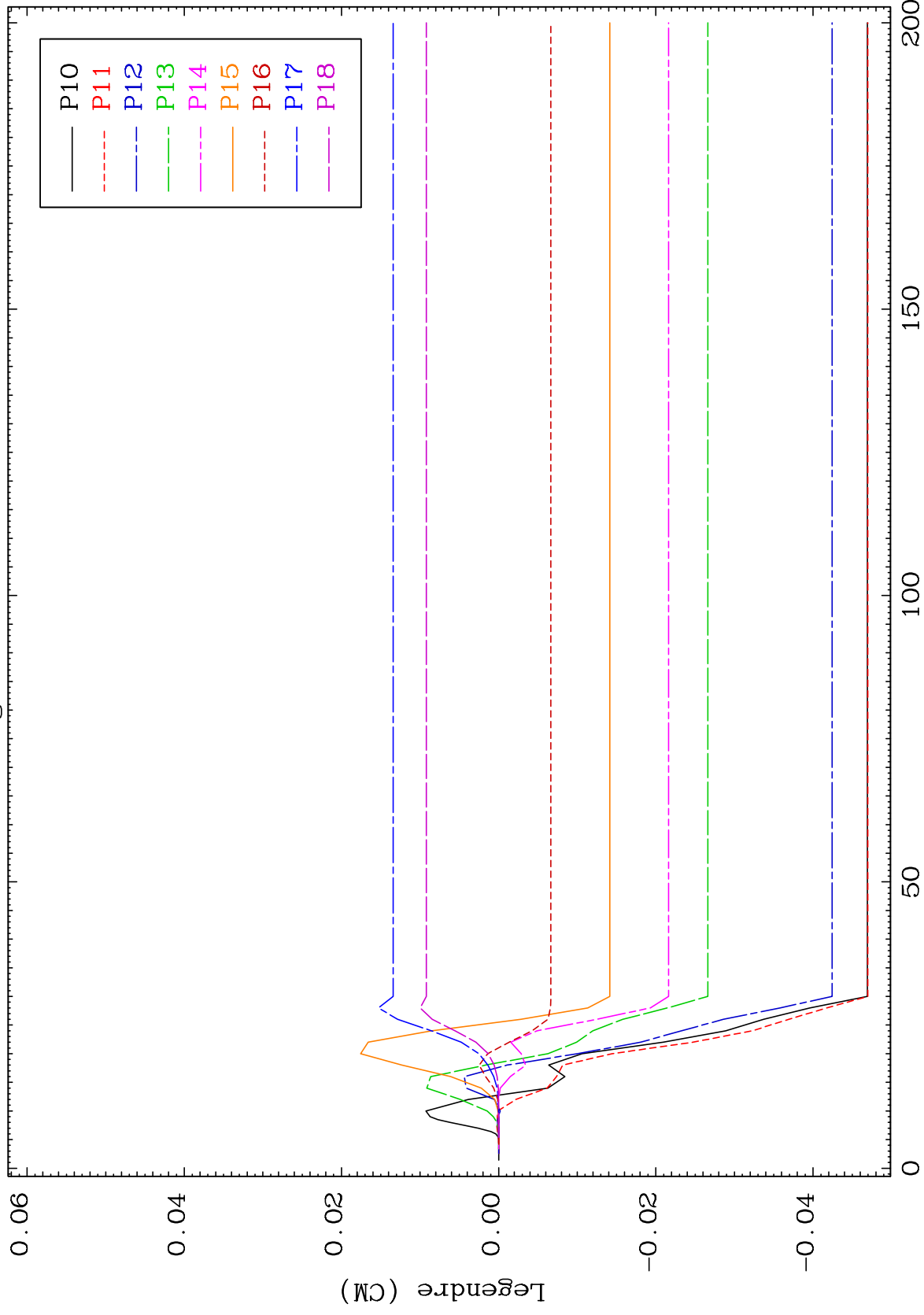
Incident Energy (MeV)

58-Ce-137

MAT 5828

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

58-Ce-137



49

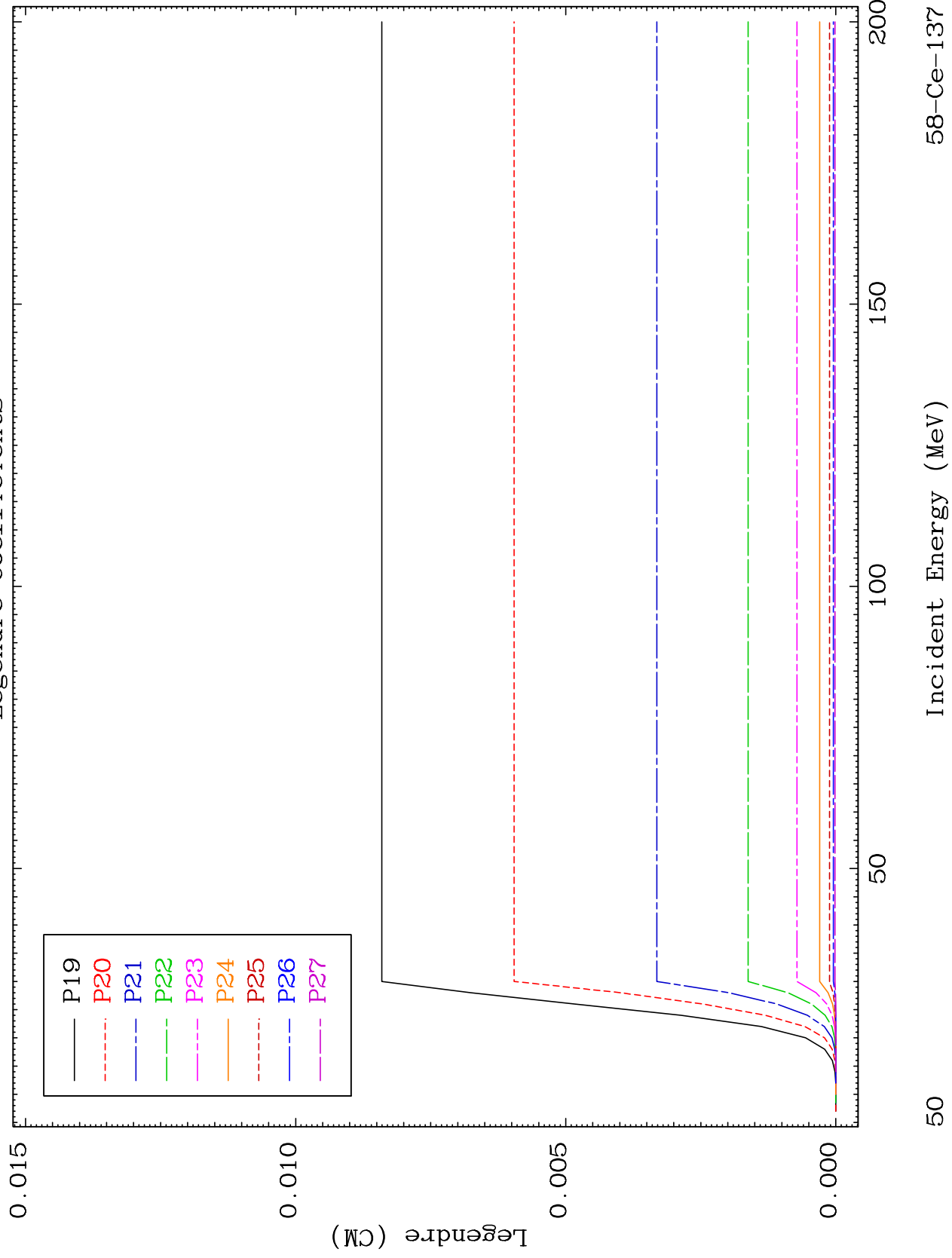
Incident Energy (MeV)

58-Ce-137

MAT 5828

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

58-Ce-137



58-Ce-137

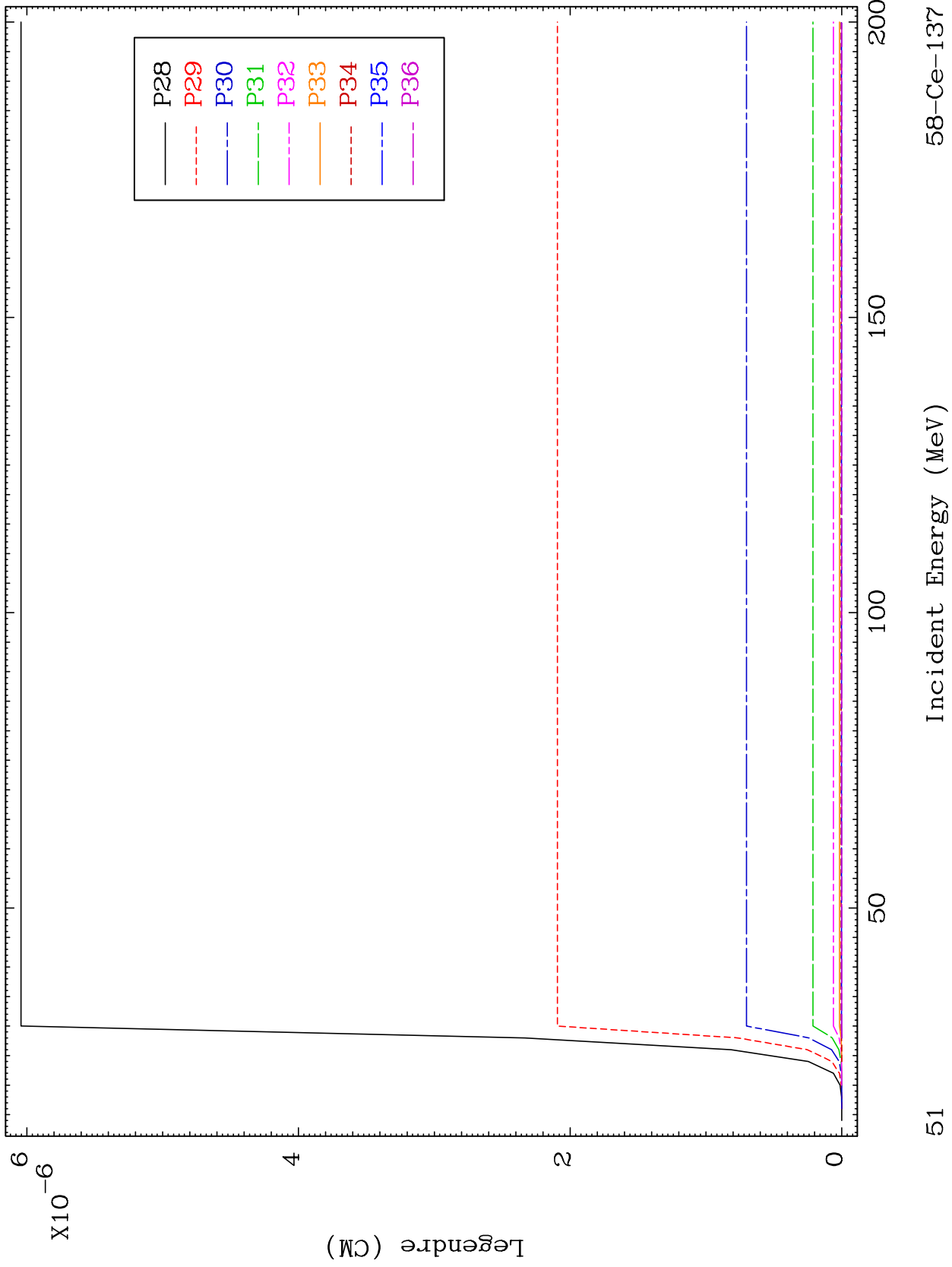
Incident Energy (MeV)

50

MAT 5828

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

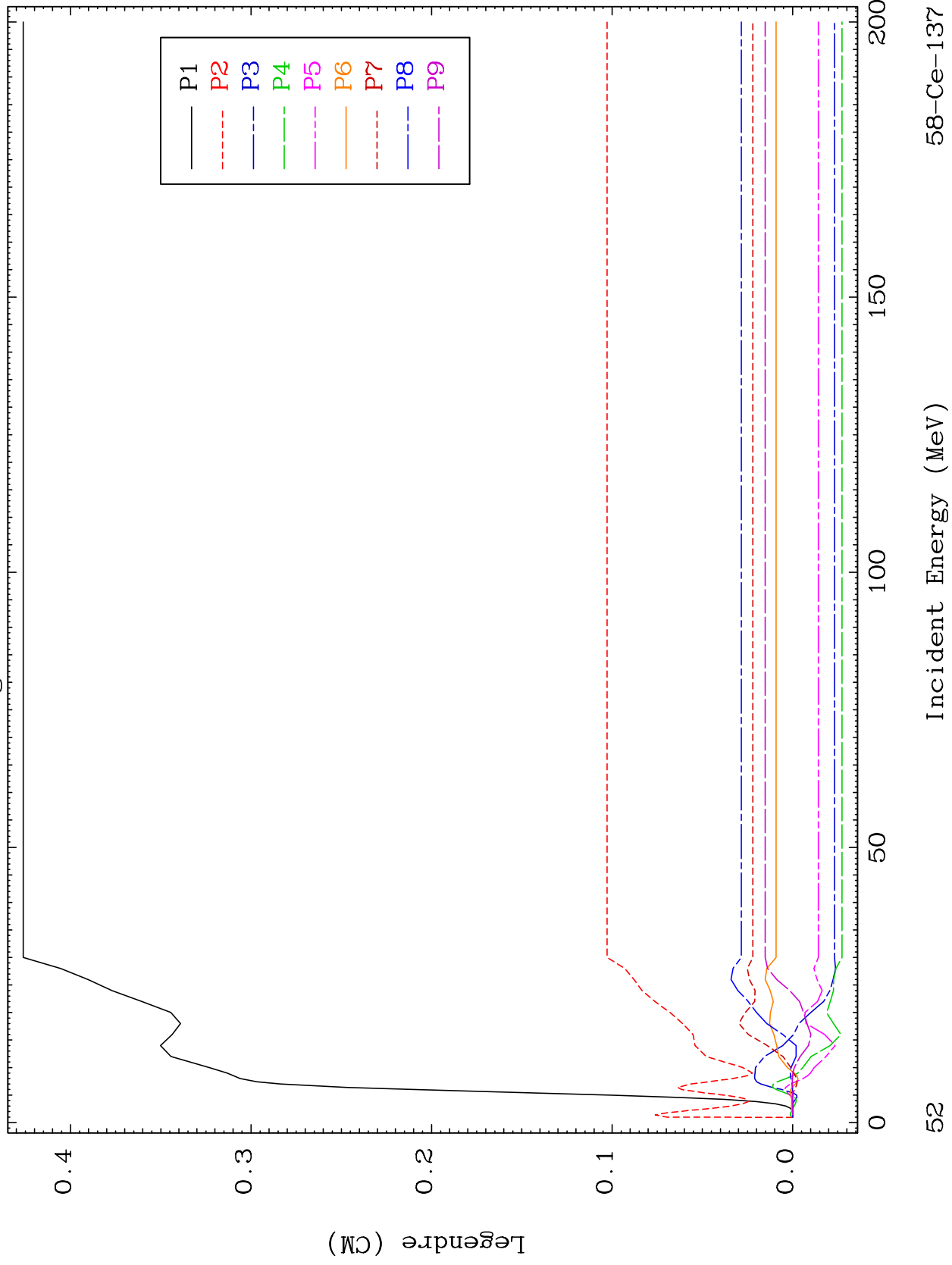
58-Ce-137



MAT 5828

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

58-Ce-137



58-Ce-137

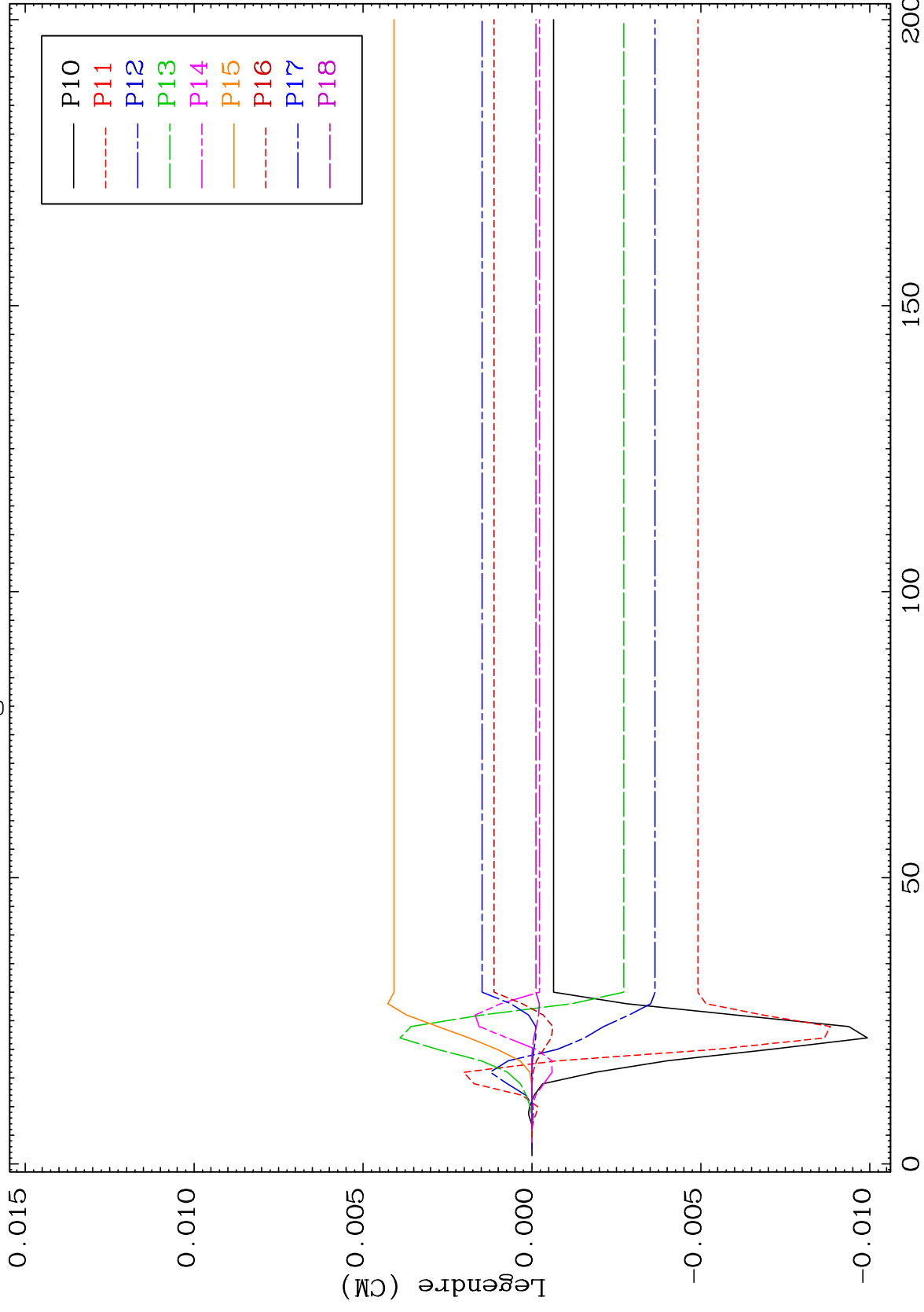
Incident Energy (MeV)

52

MAT 5828

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

58-Ce-137



53

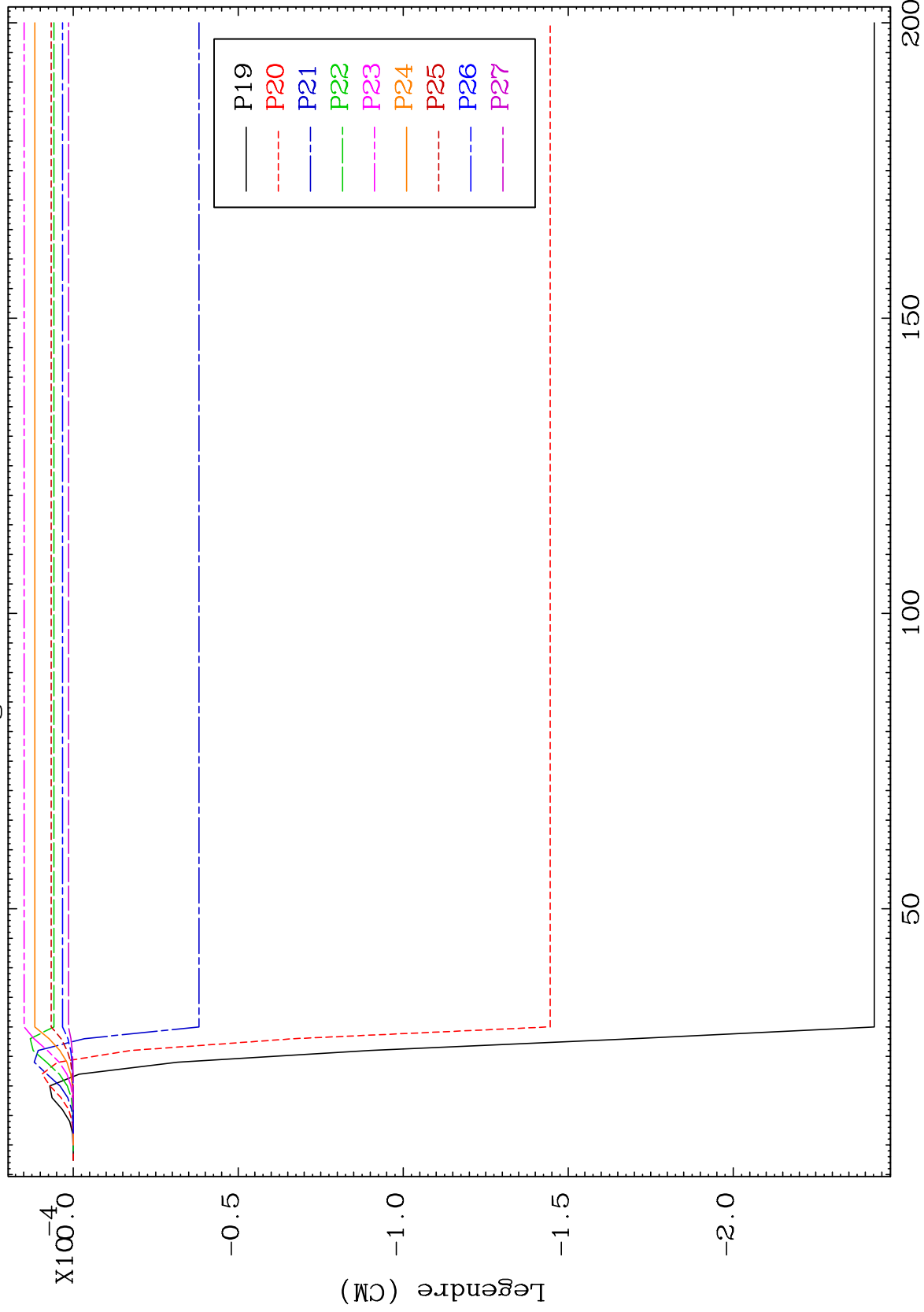
Incident Energy (MeV)

58-Ce-137

MAT 5828

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

58-Ce-137



54

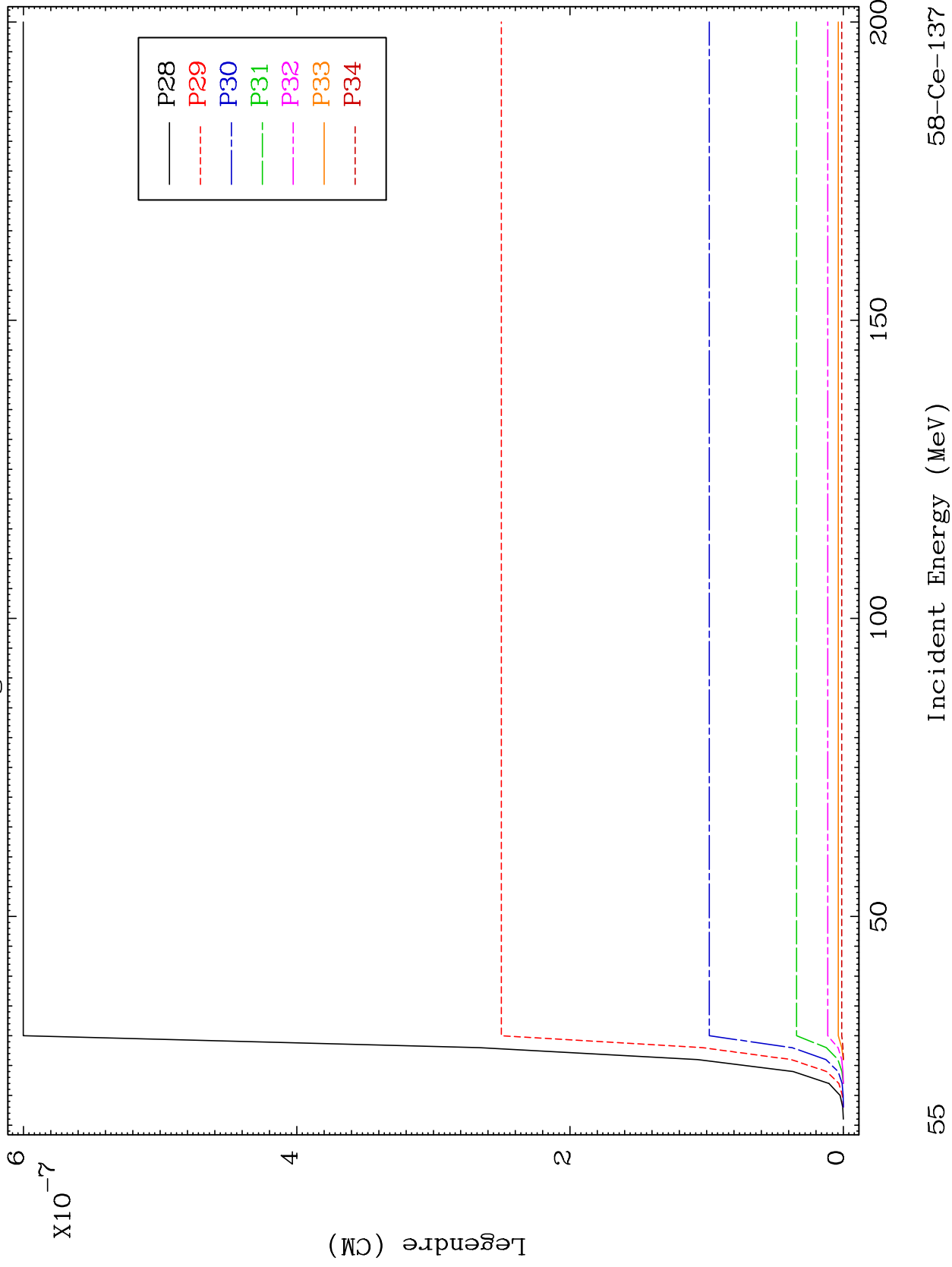
Incident Energy (MeV)

58-Ce-137

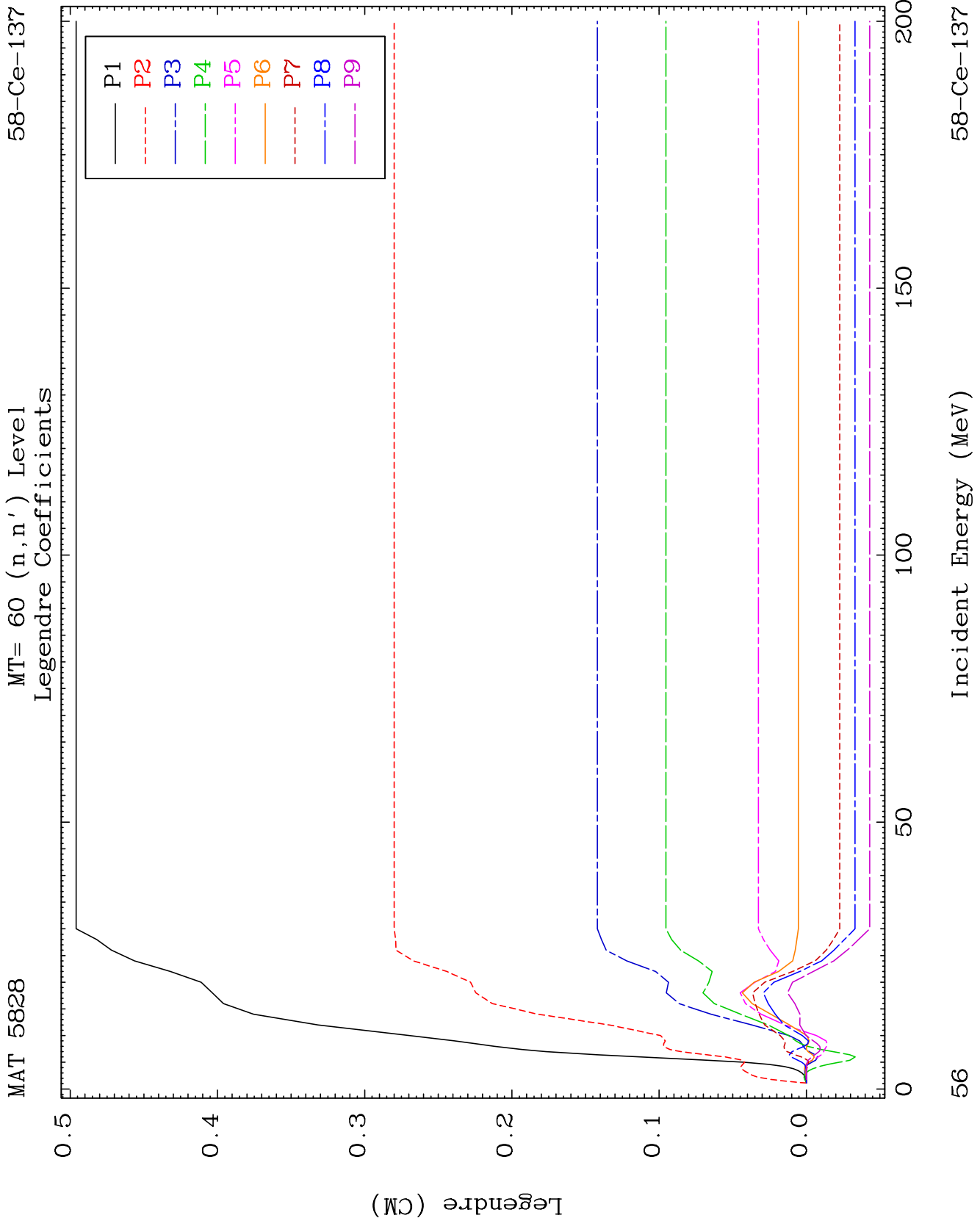
MAT 5828

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

58-Ce-137



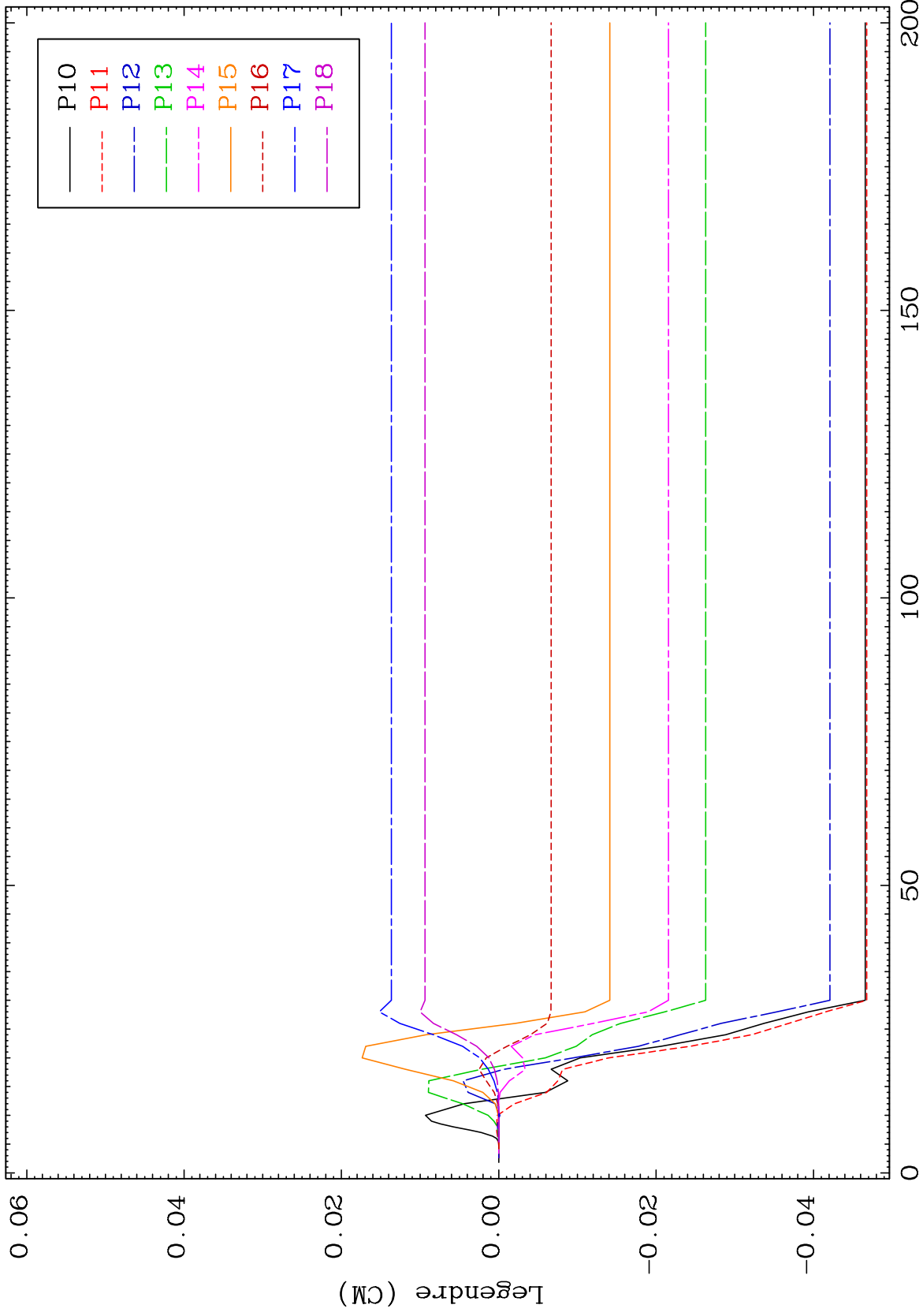




MAT 5828

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

58-Ce-137



57

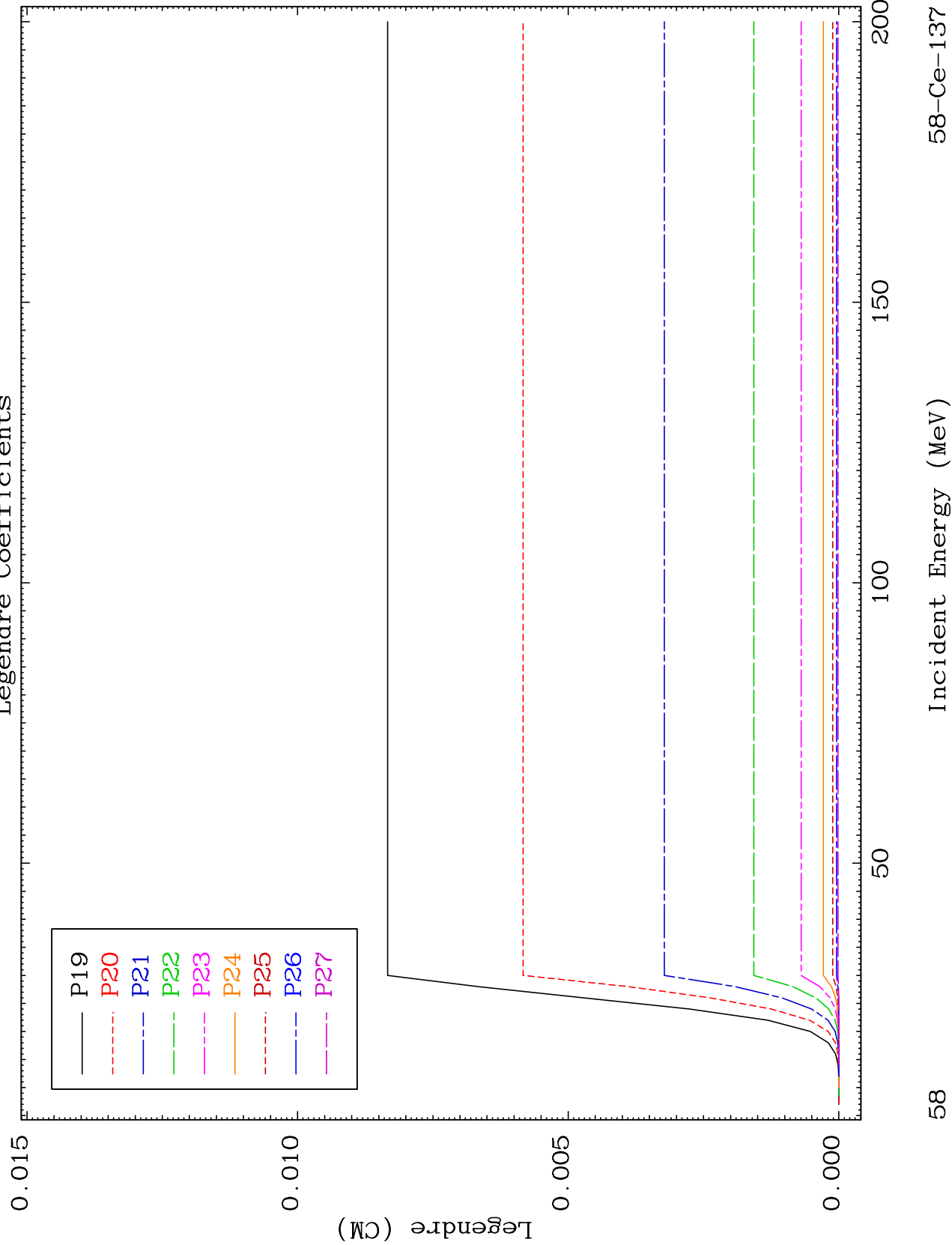
Incident Energy (MeV)

58-Ce-137

MAT 5828

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

58-Ce-137



58

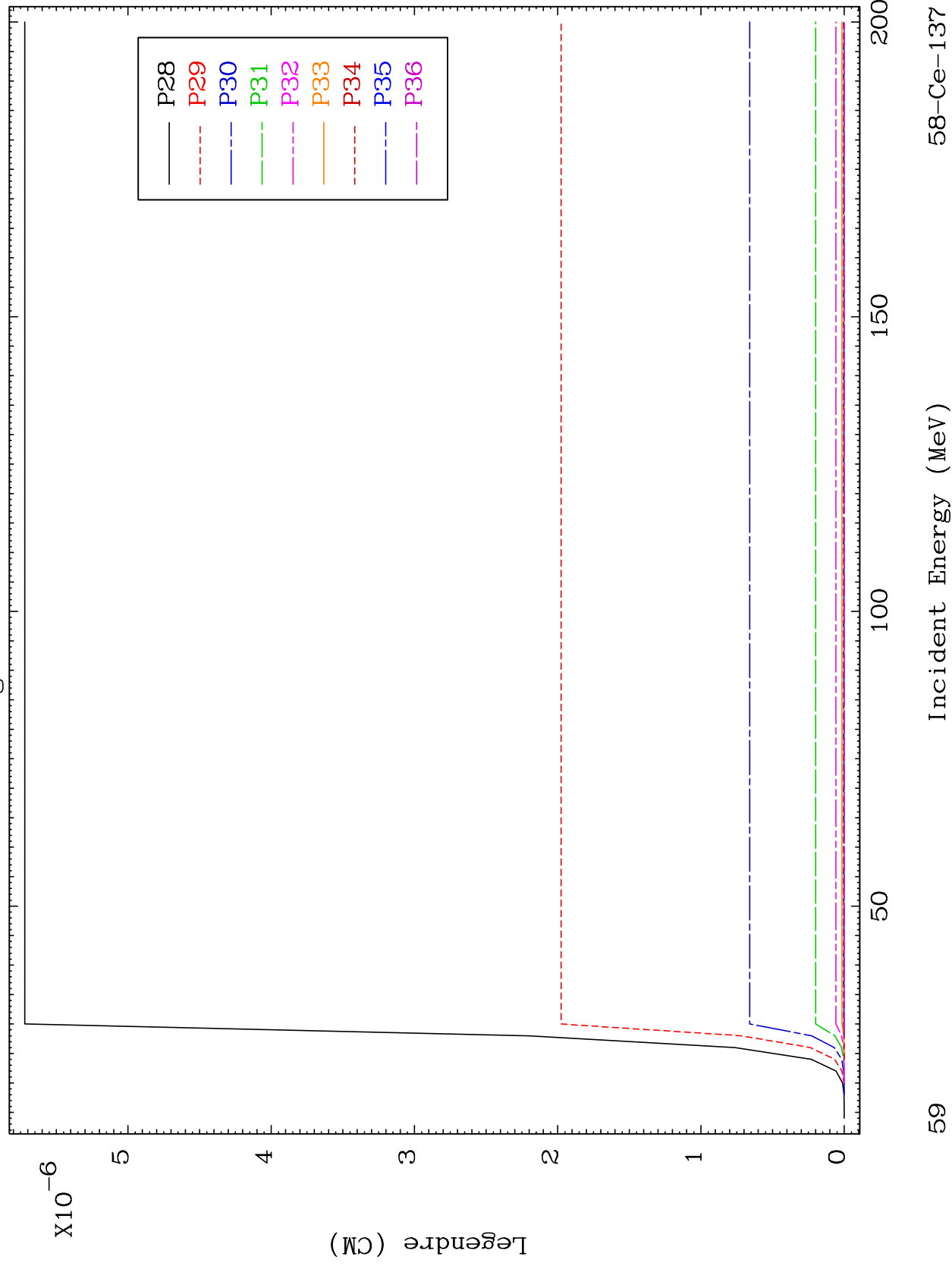
Incident Energy (MeV)

58-Ce-137

MAT 5828

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

58-Ce-137



59

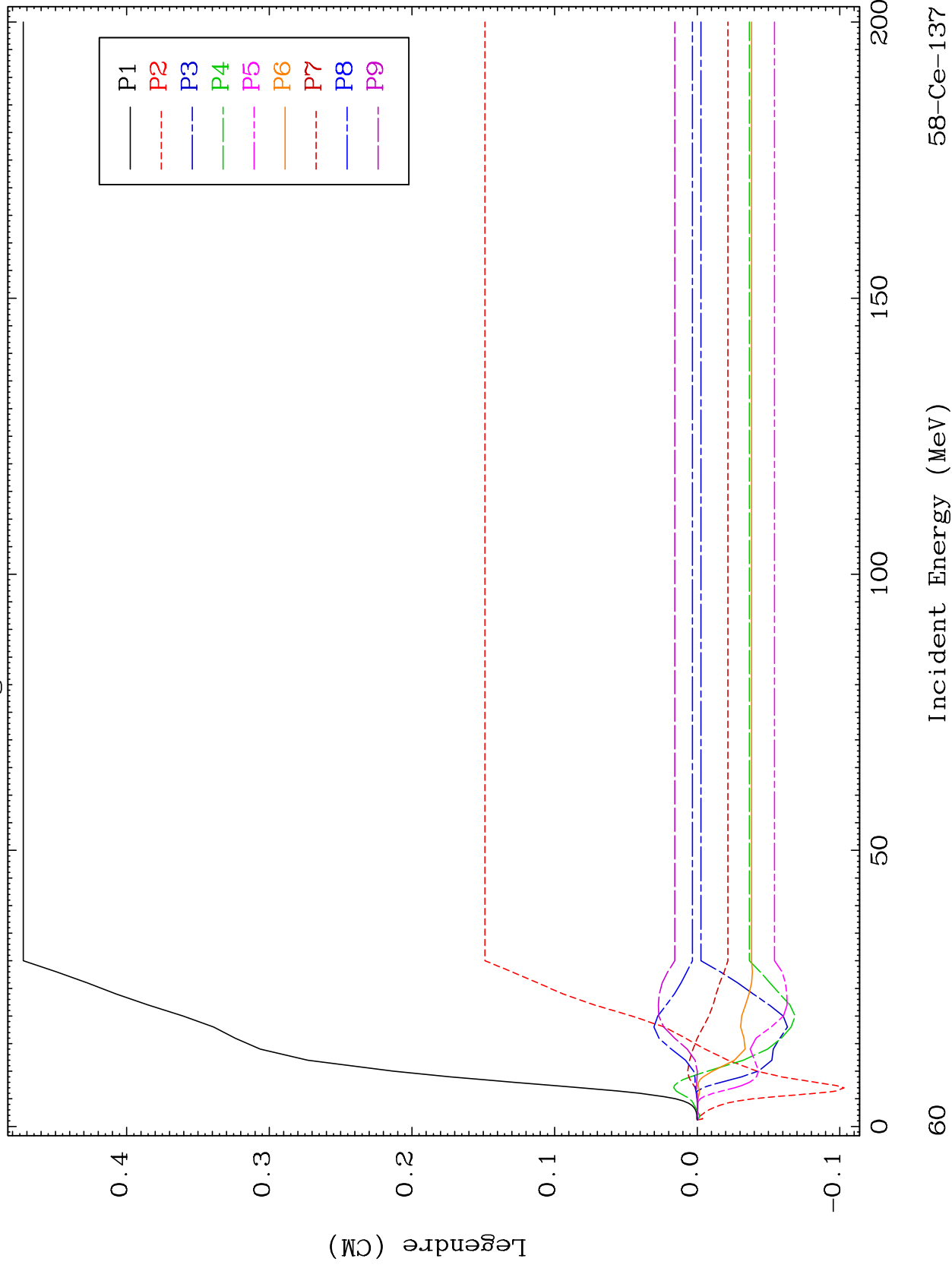
Incident Energy (MeV)

58-Ce-137

MAT 5828

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

58-Ce-137

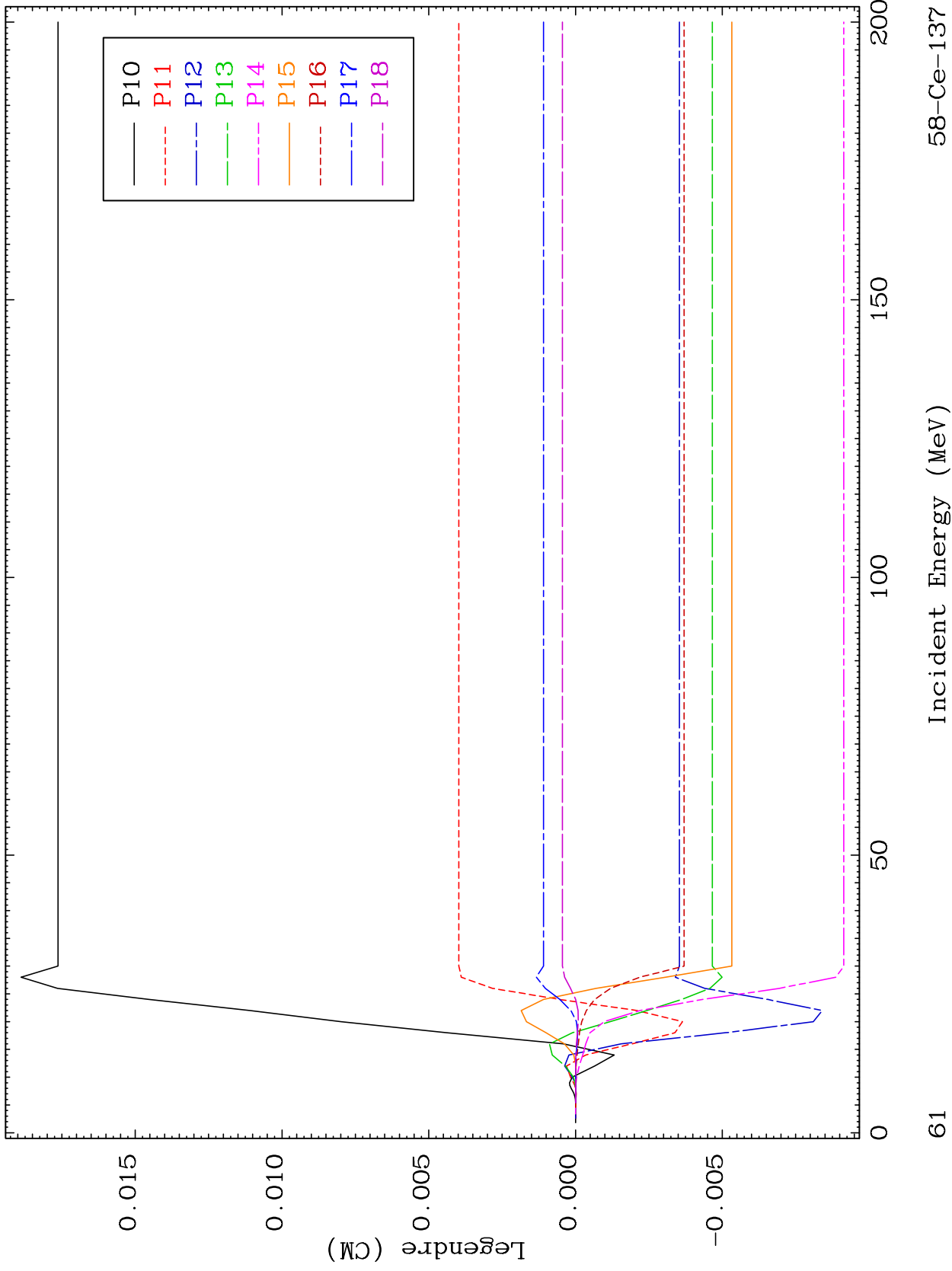


58-Ce-137

MAT 5828

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

58-Ce-137



61

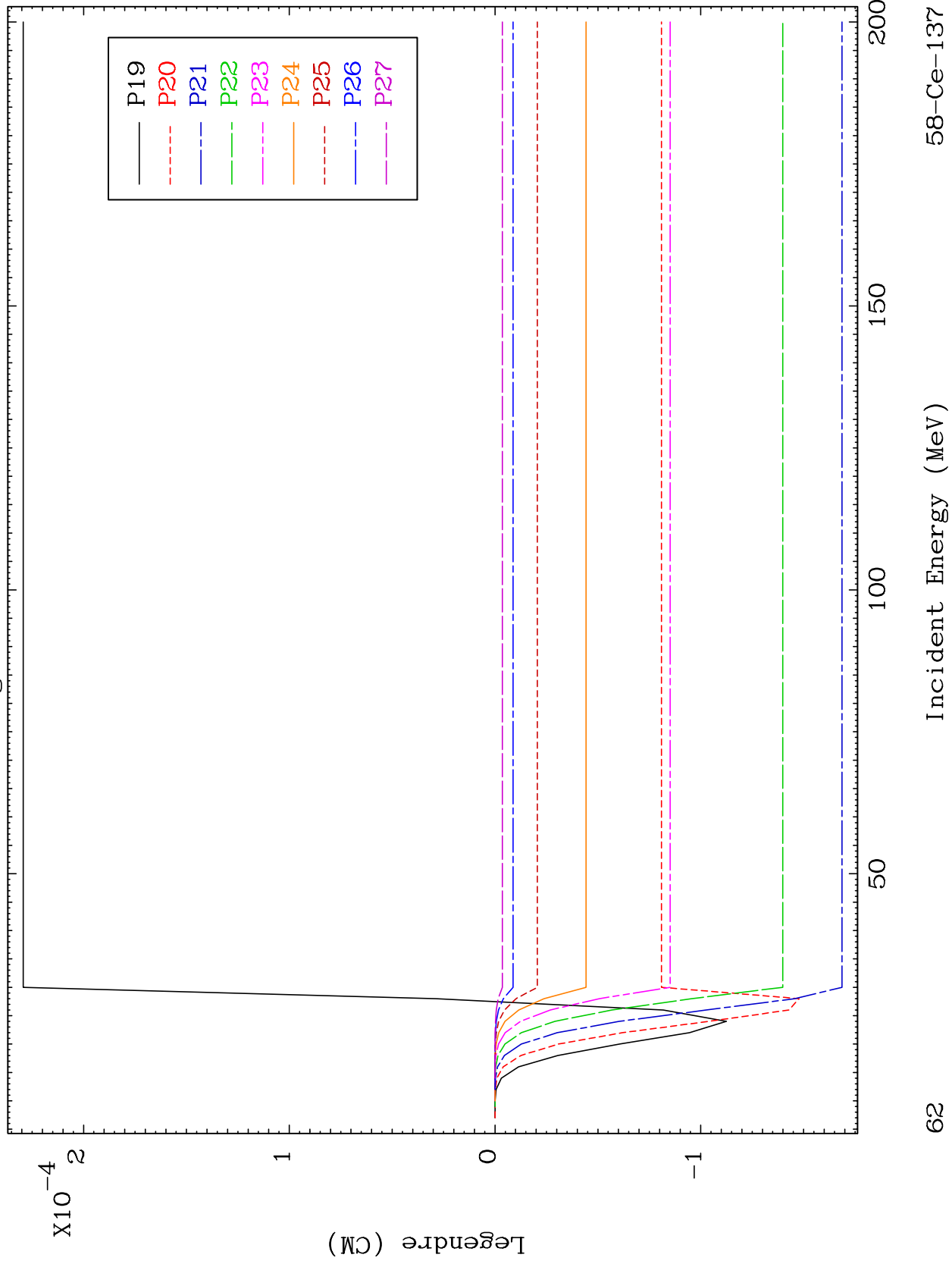
Incident Energy (MeV)

58-Ce-137

MAT 5828

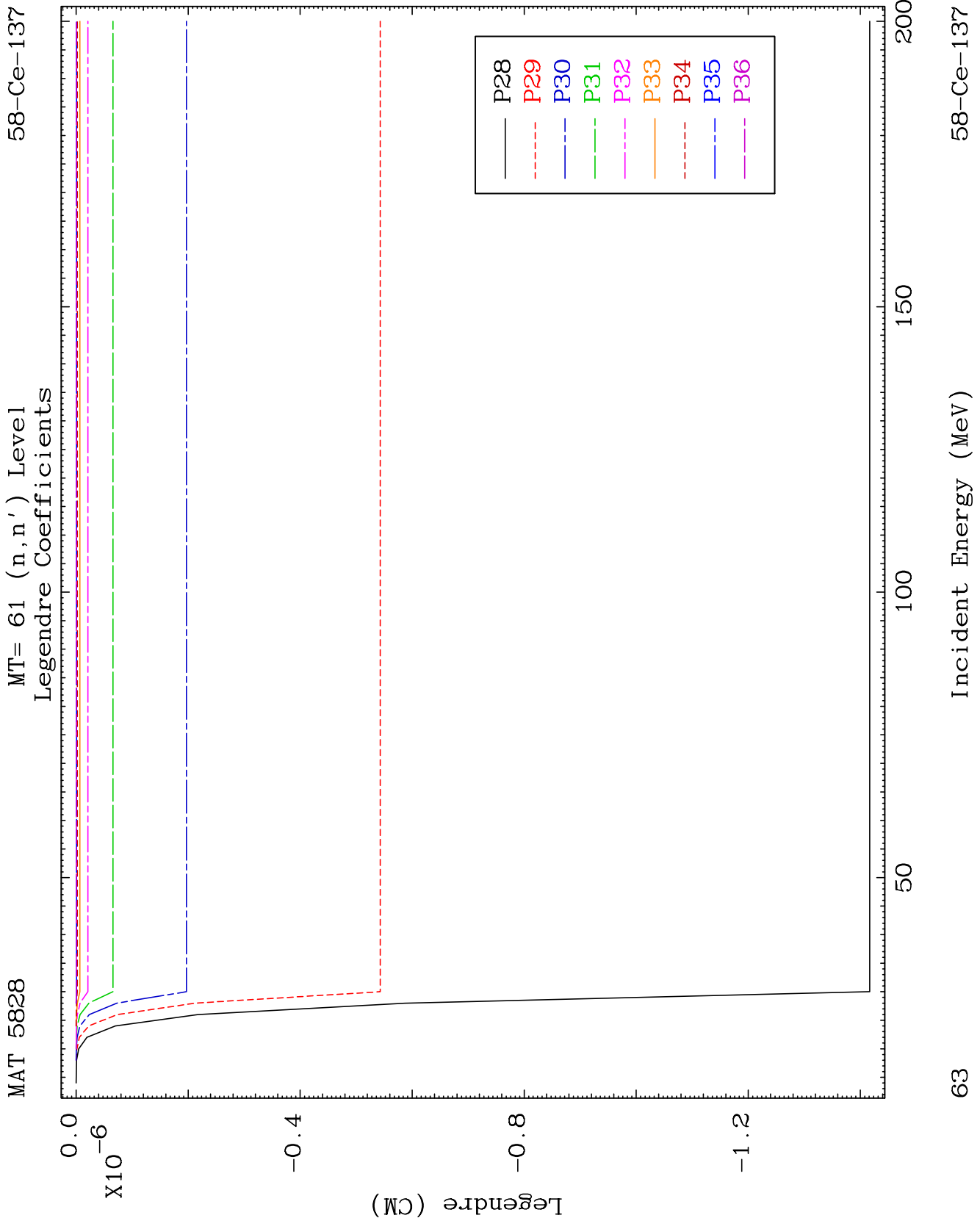
MT= 61 (n,n') Level  
Legendre Coefficients

58-Ce-137

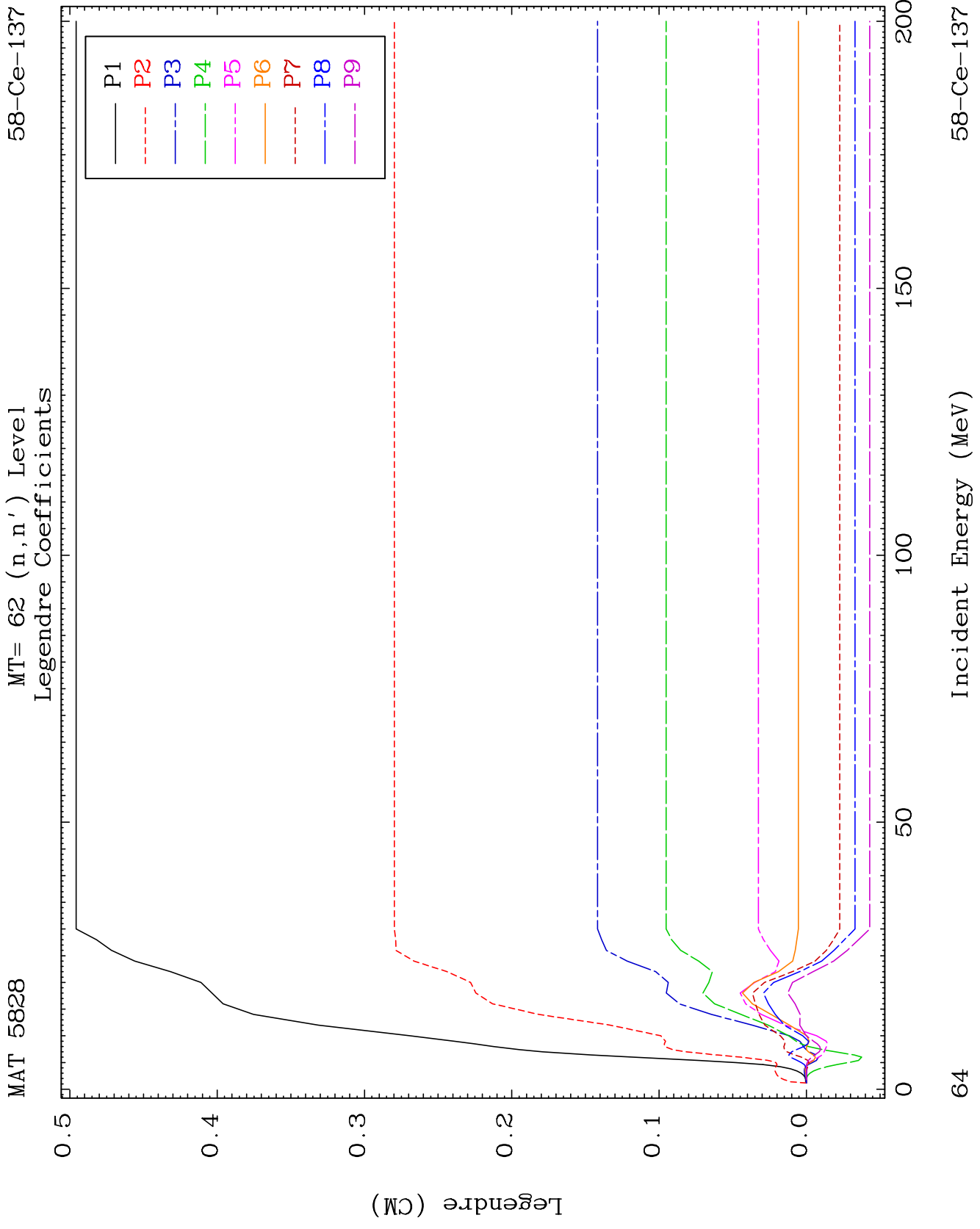


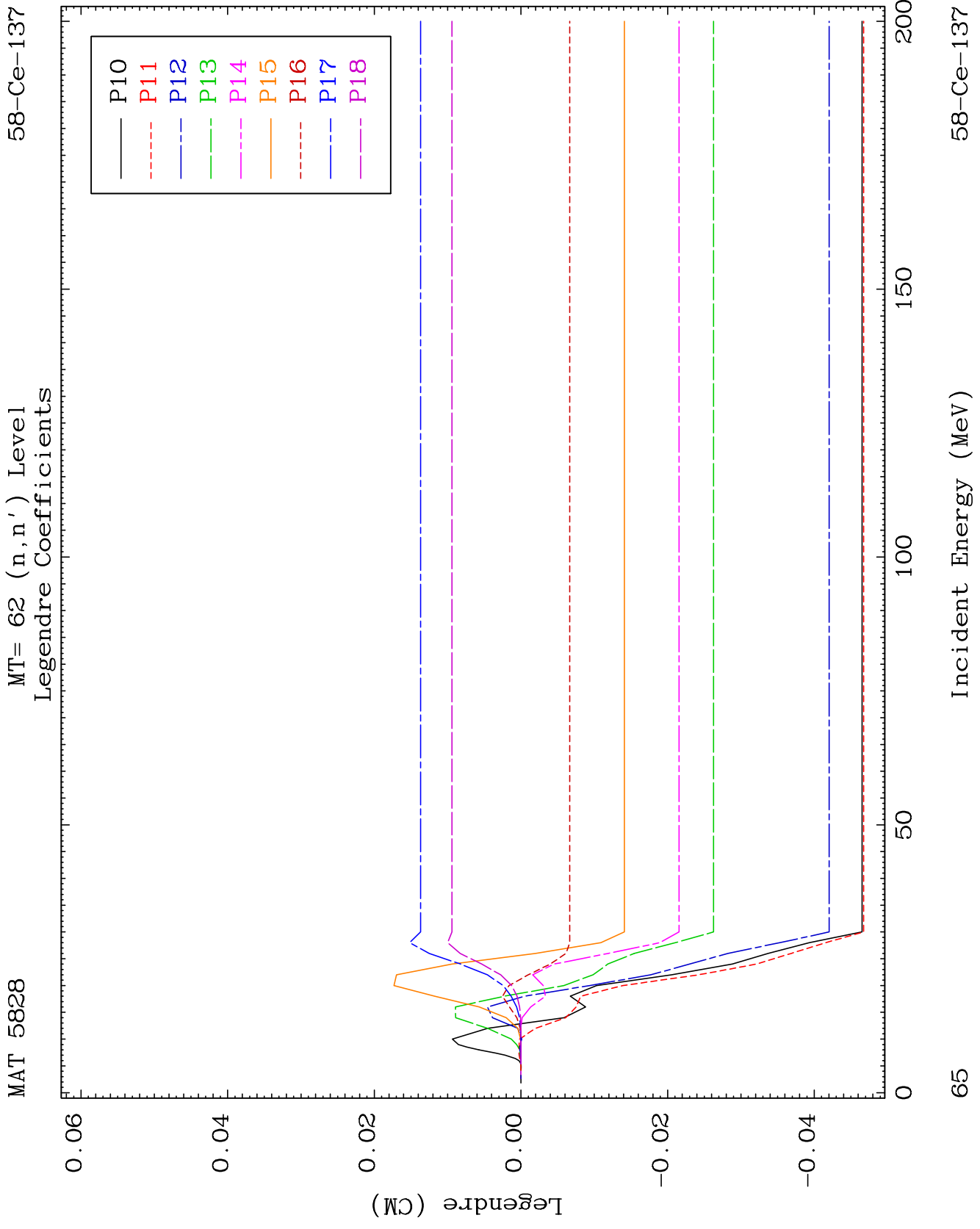
62

58-Ce-137





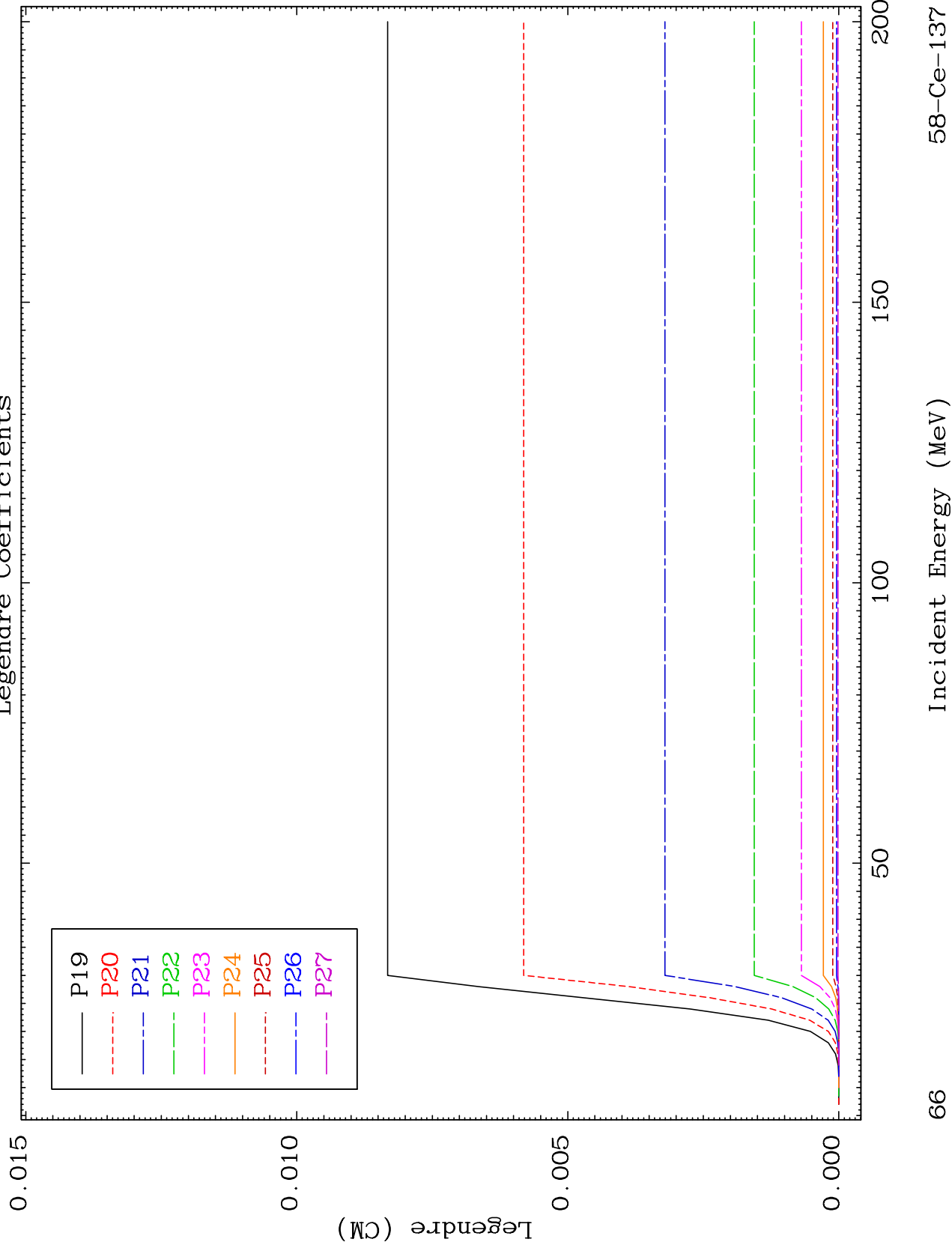




MAT 5828

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

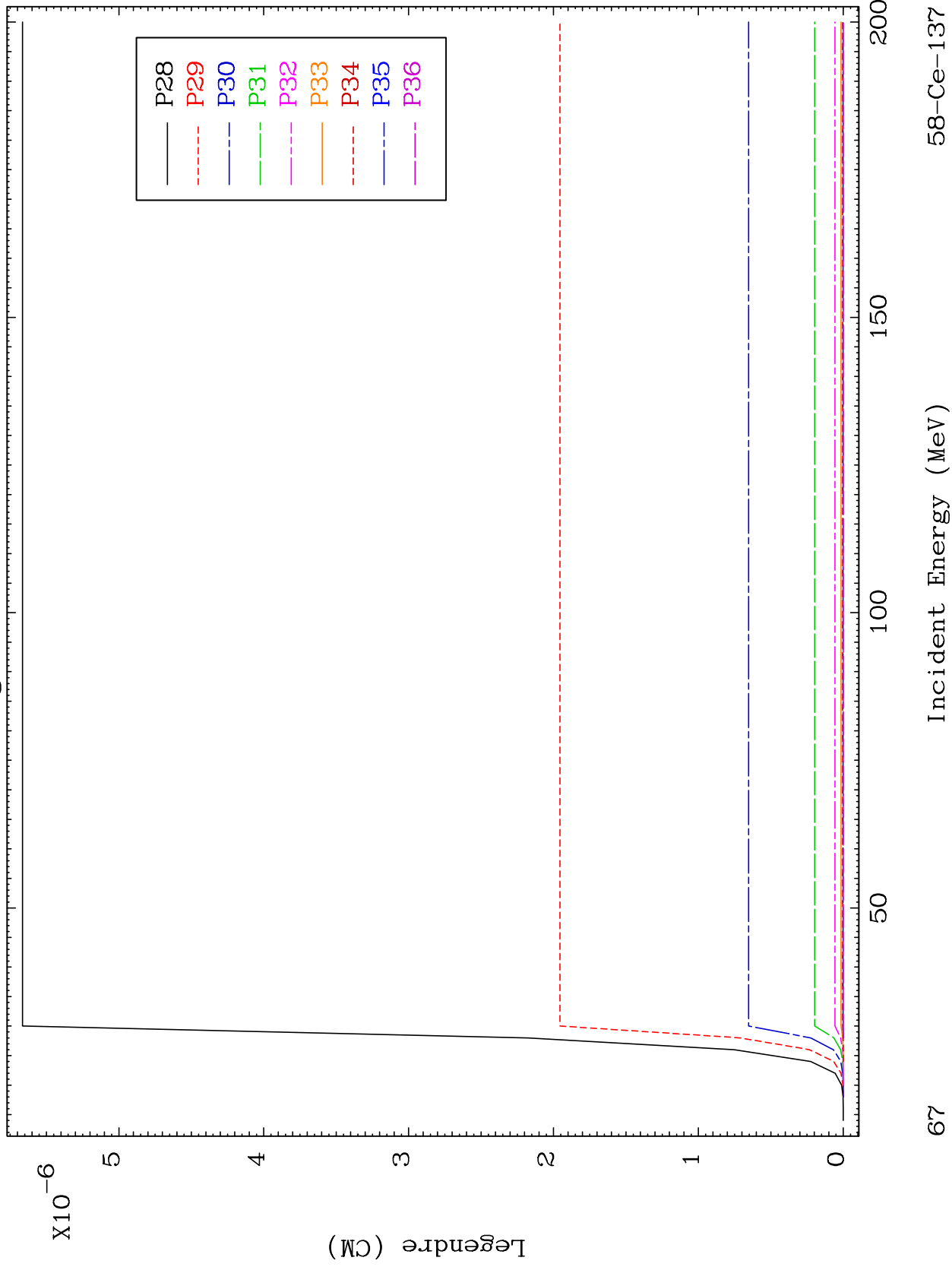
58-Ce-137



MAT 5828

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

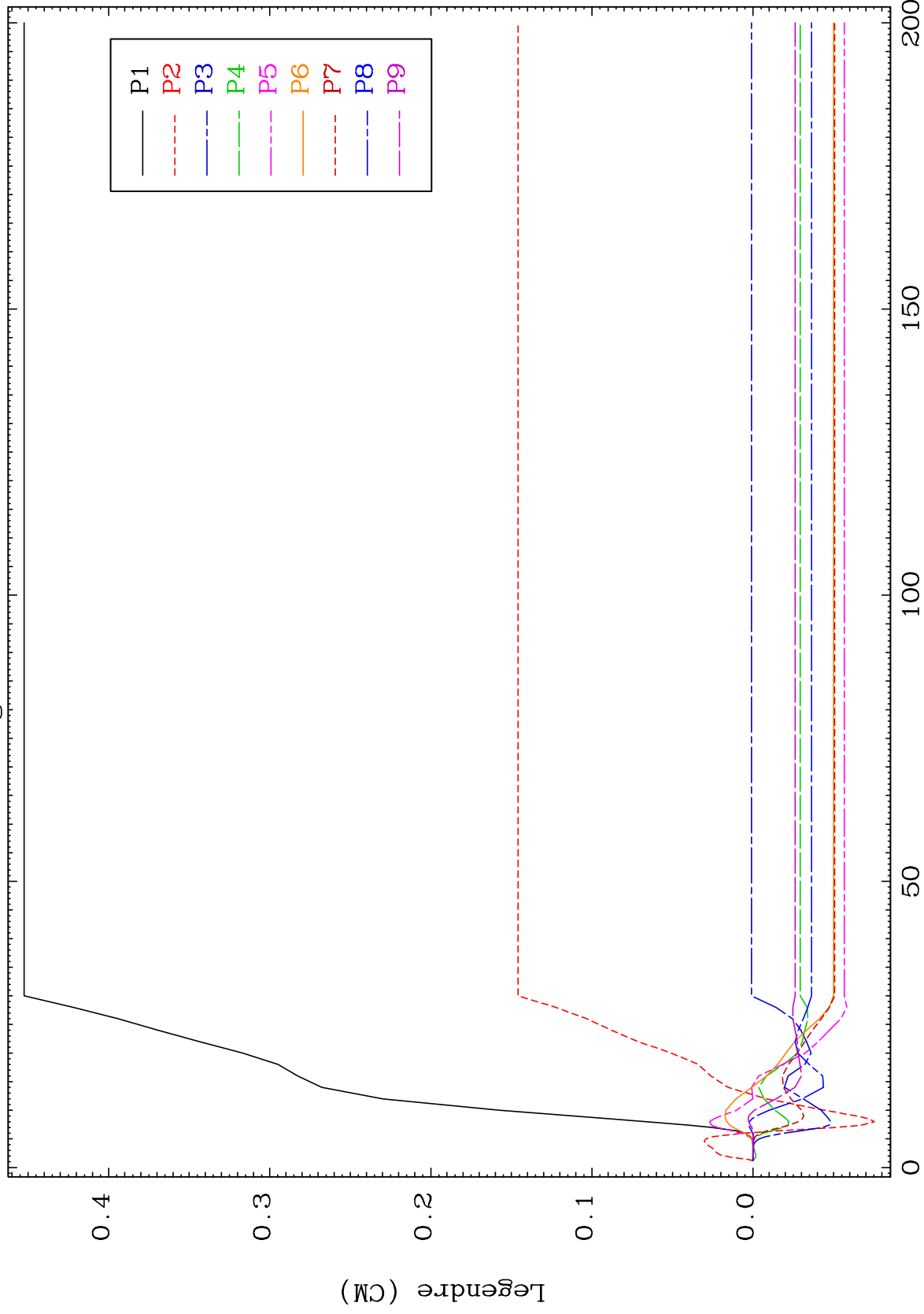
58-Ce-137



MAT 5828

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

58-Ce-137



58-Ce-137

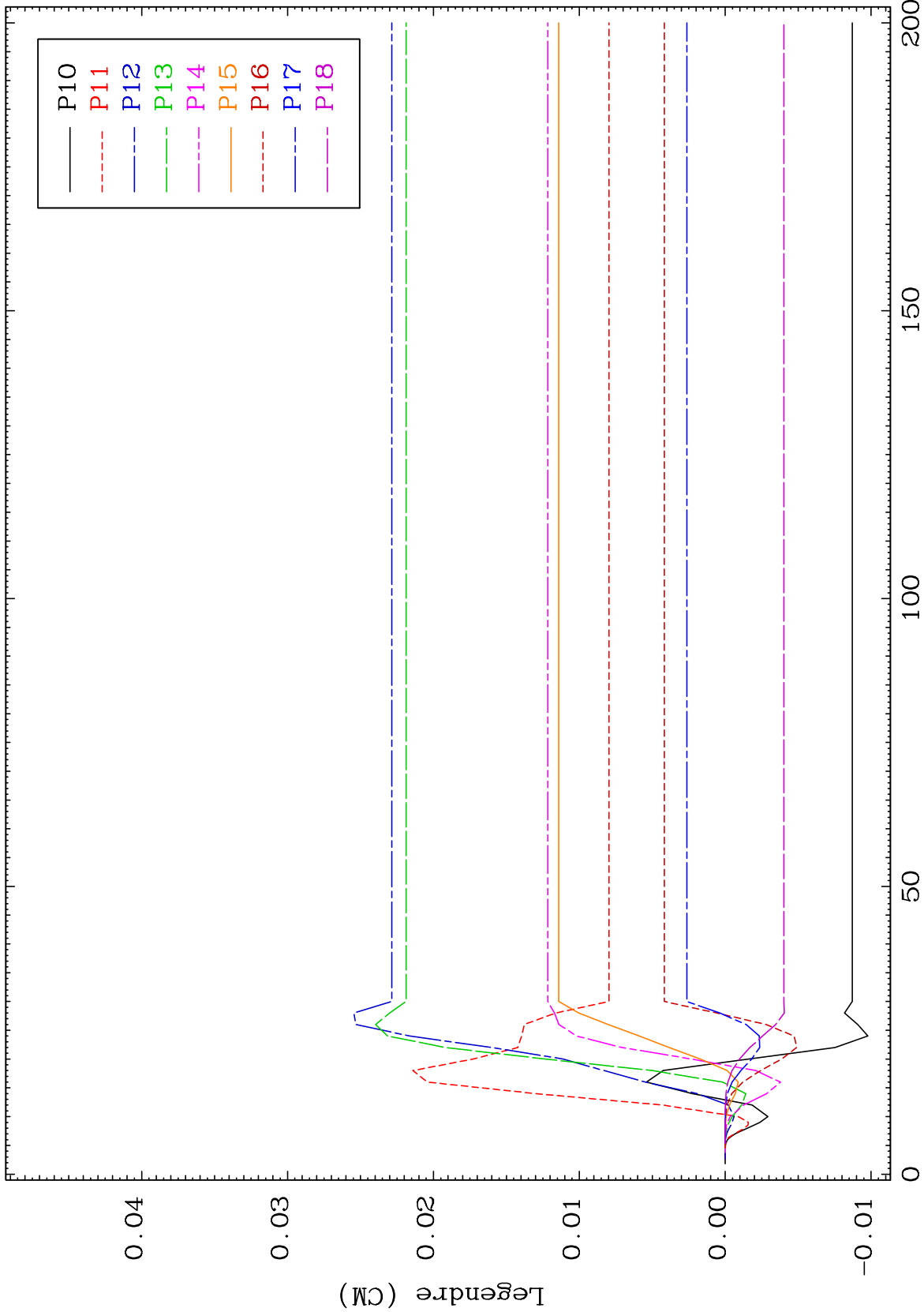
Incident Energy (MeV)

68

MAT 5828

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

58-Ce-137



69

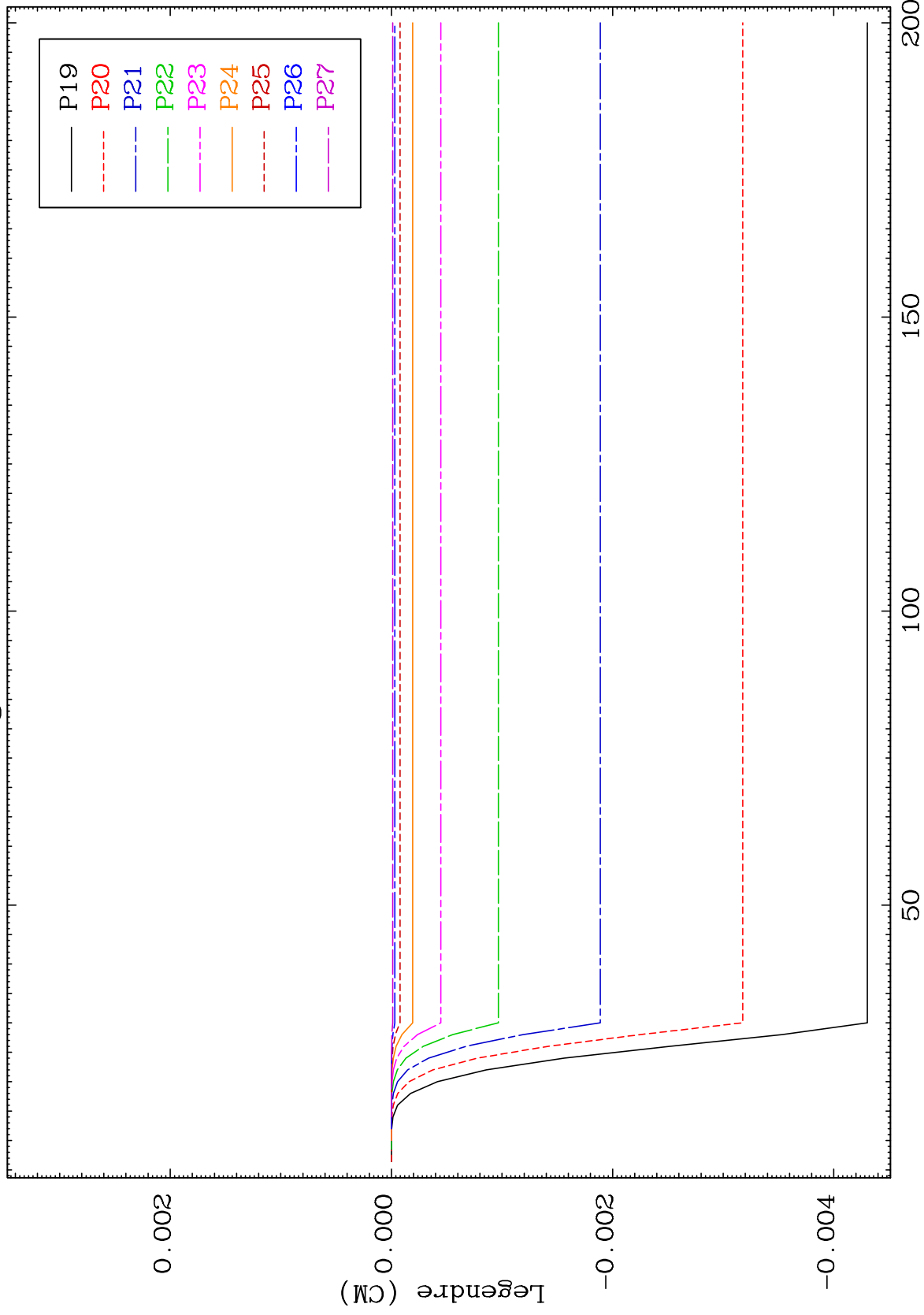
Incident Energy (MeV)

58-Ce-137

MAT 5828

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

58-Ce-137



70

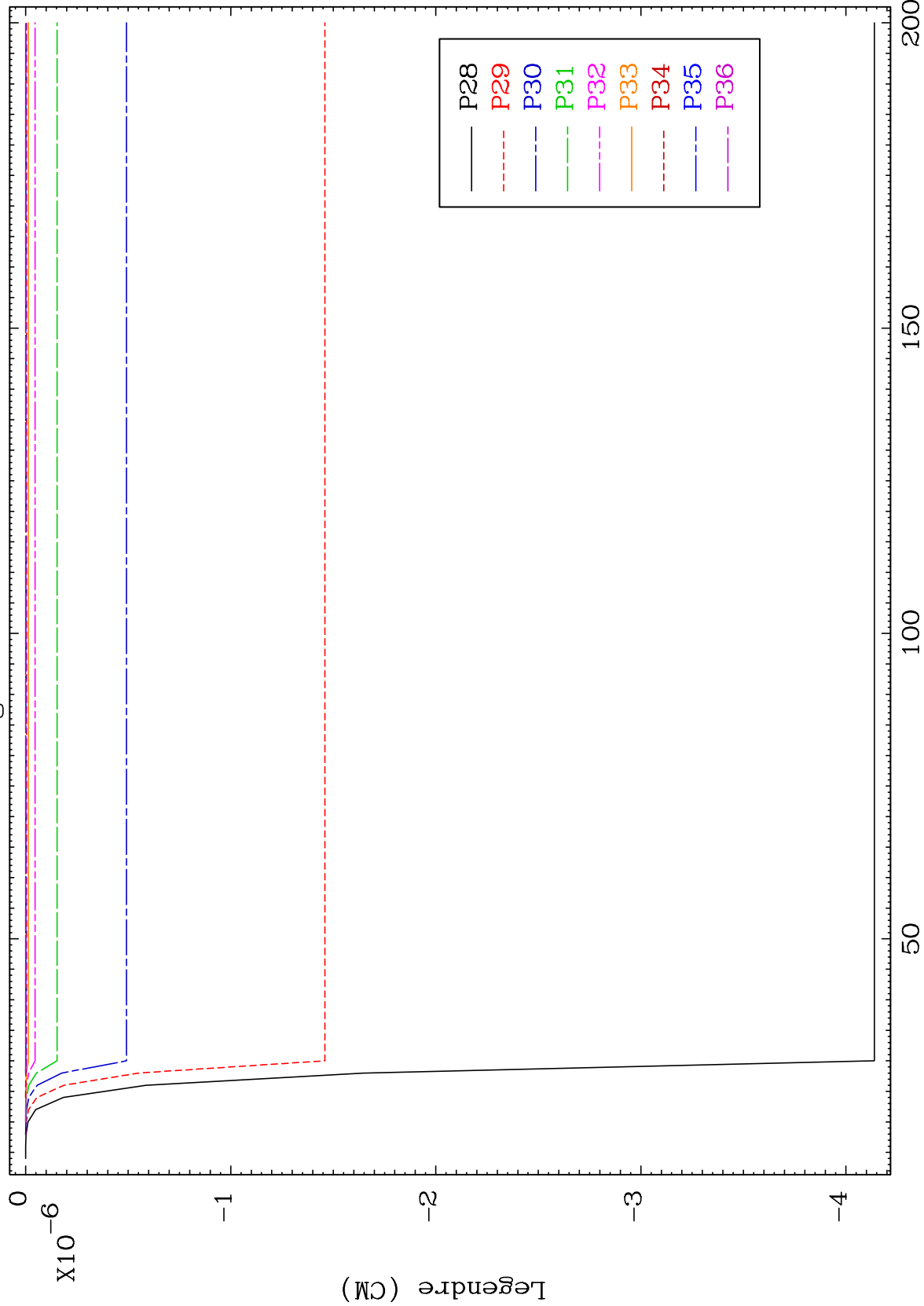
Incident Energy (MeV)

58-Ce-137

MAT 5828

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

58-Ce-137



71

Incident Energy (MeV)

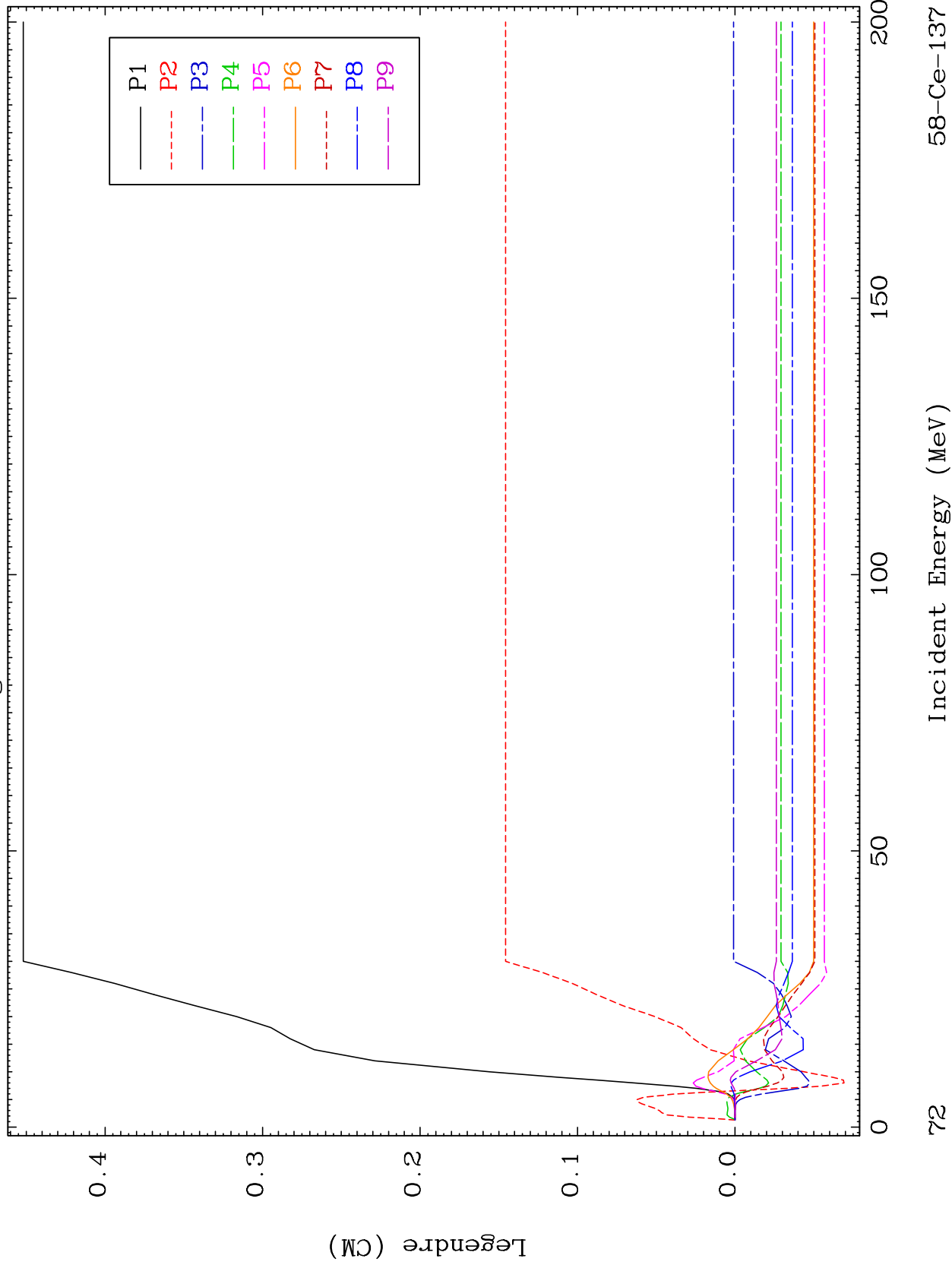
58-Ce-137



MAT 5828

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

58-Ce-137



58-Ce-137

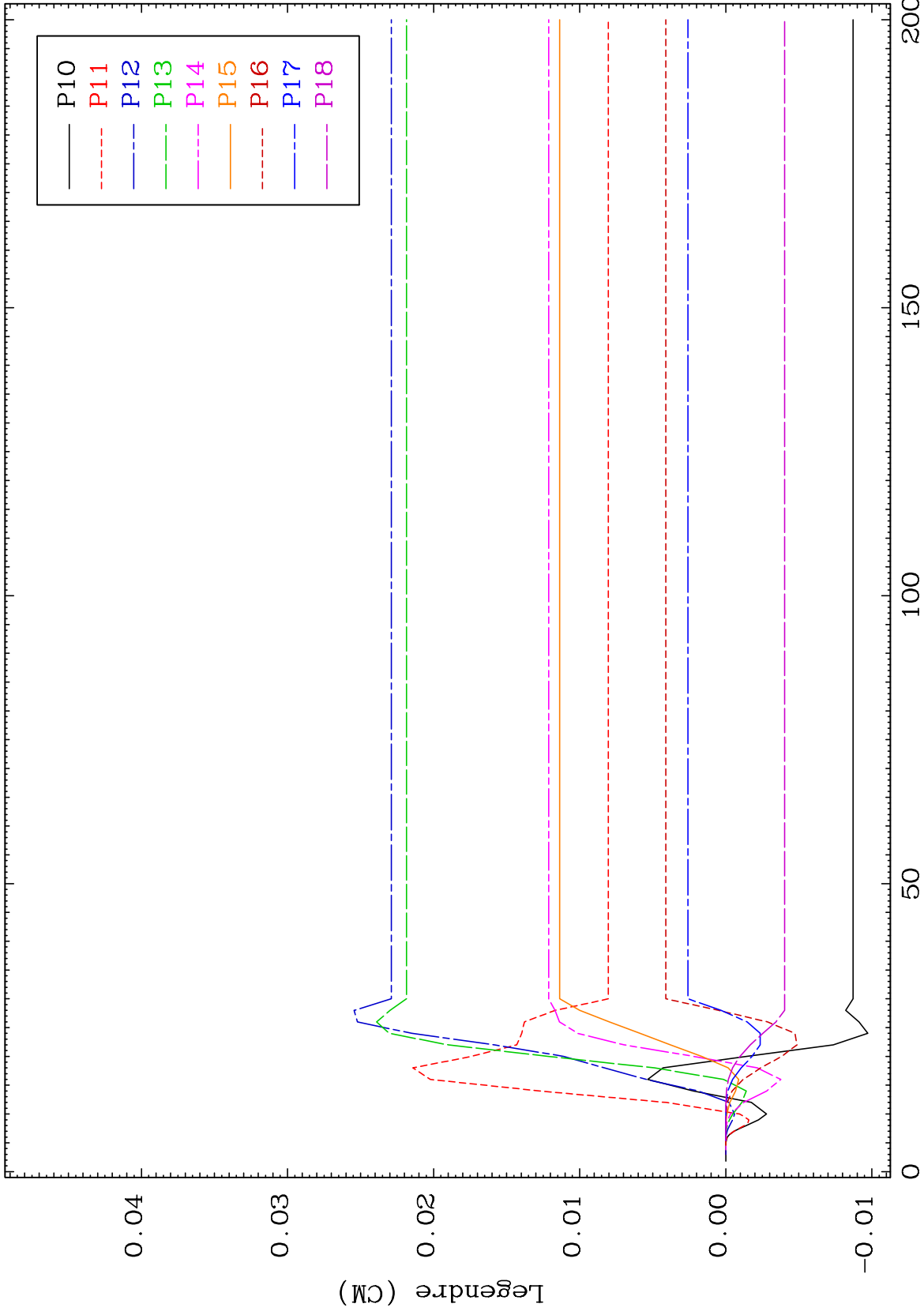
Incident Energy (MeV)

72

MAT 5828

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

58-Ce-137



73

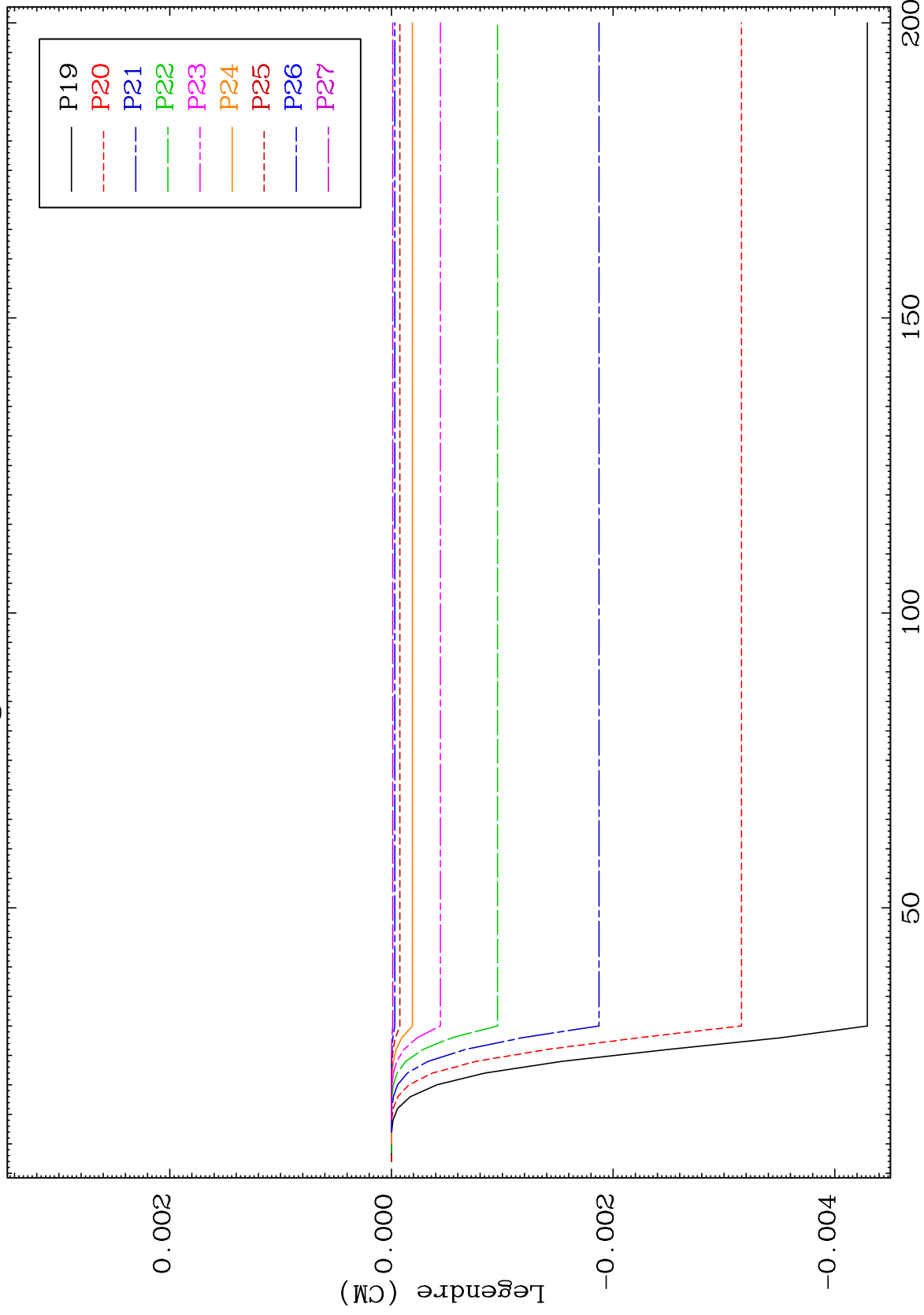
Incident Energy (MeV)

58-Ce-137

MAT 5828

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

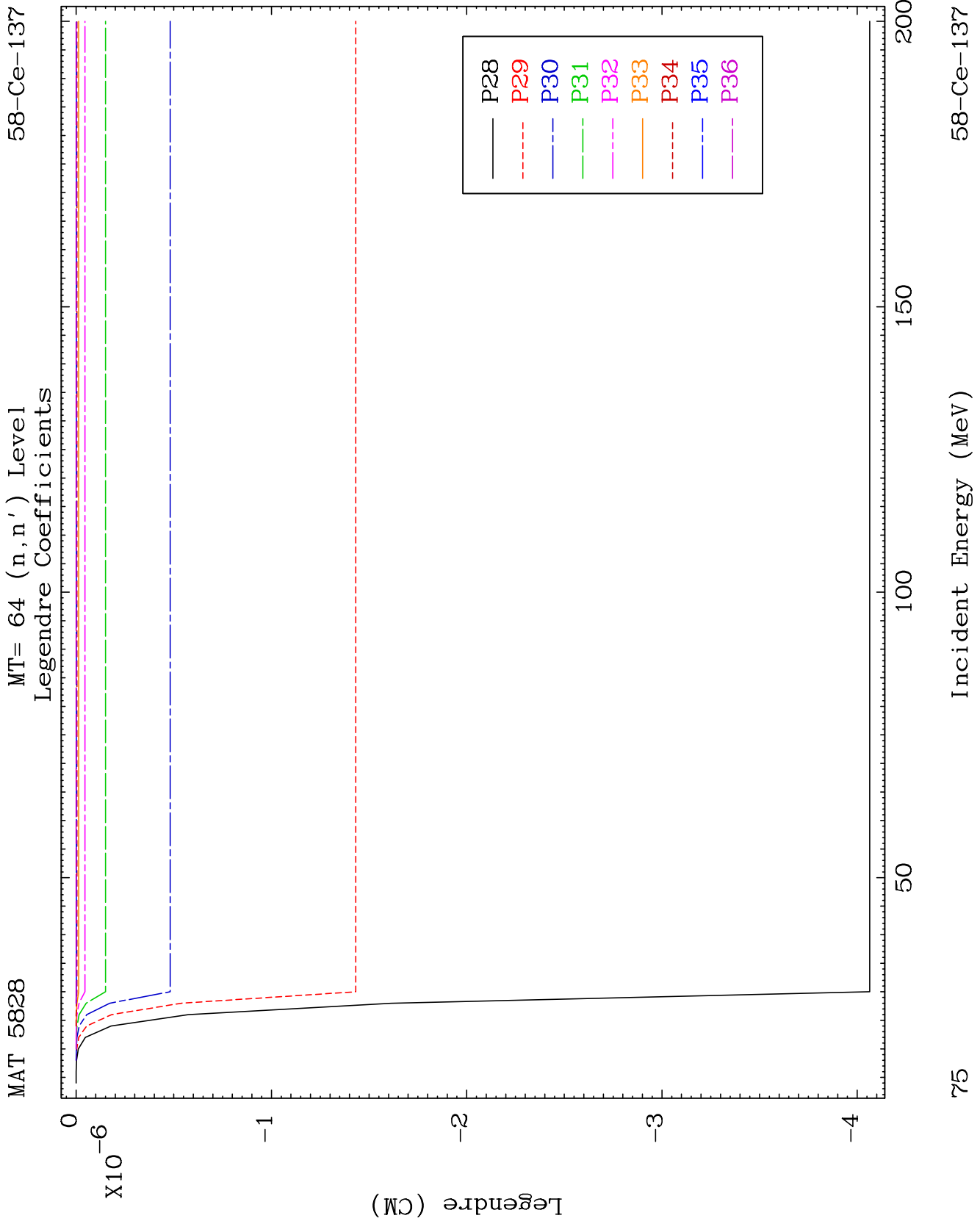
58-Ce-137

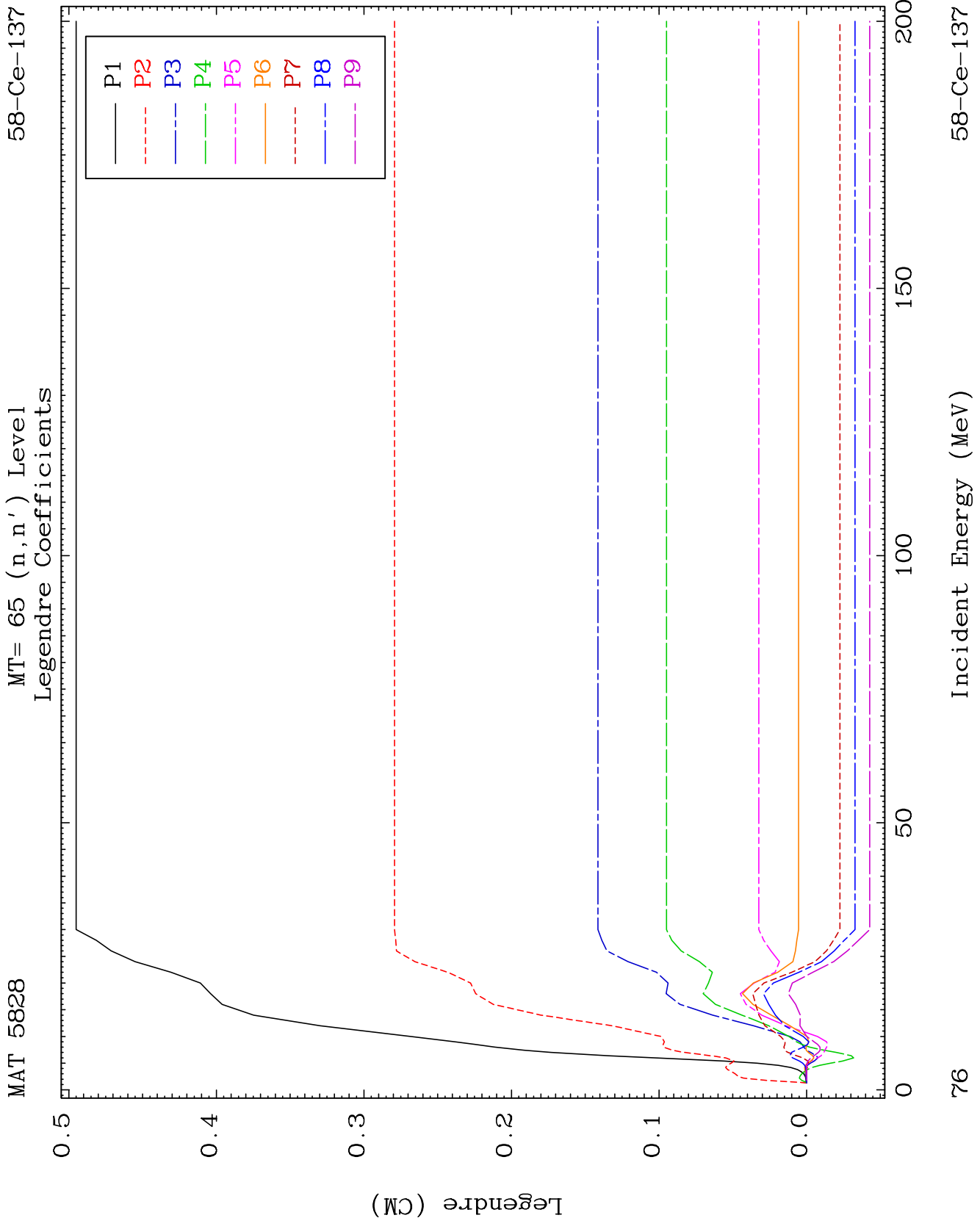


74

Incident Energy (MeV)

58-Ce-137

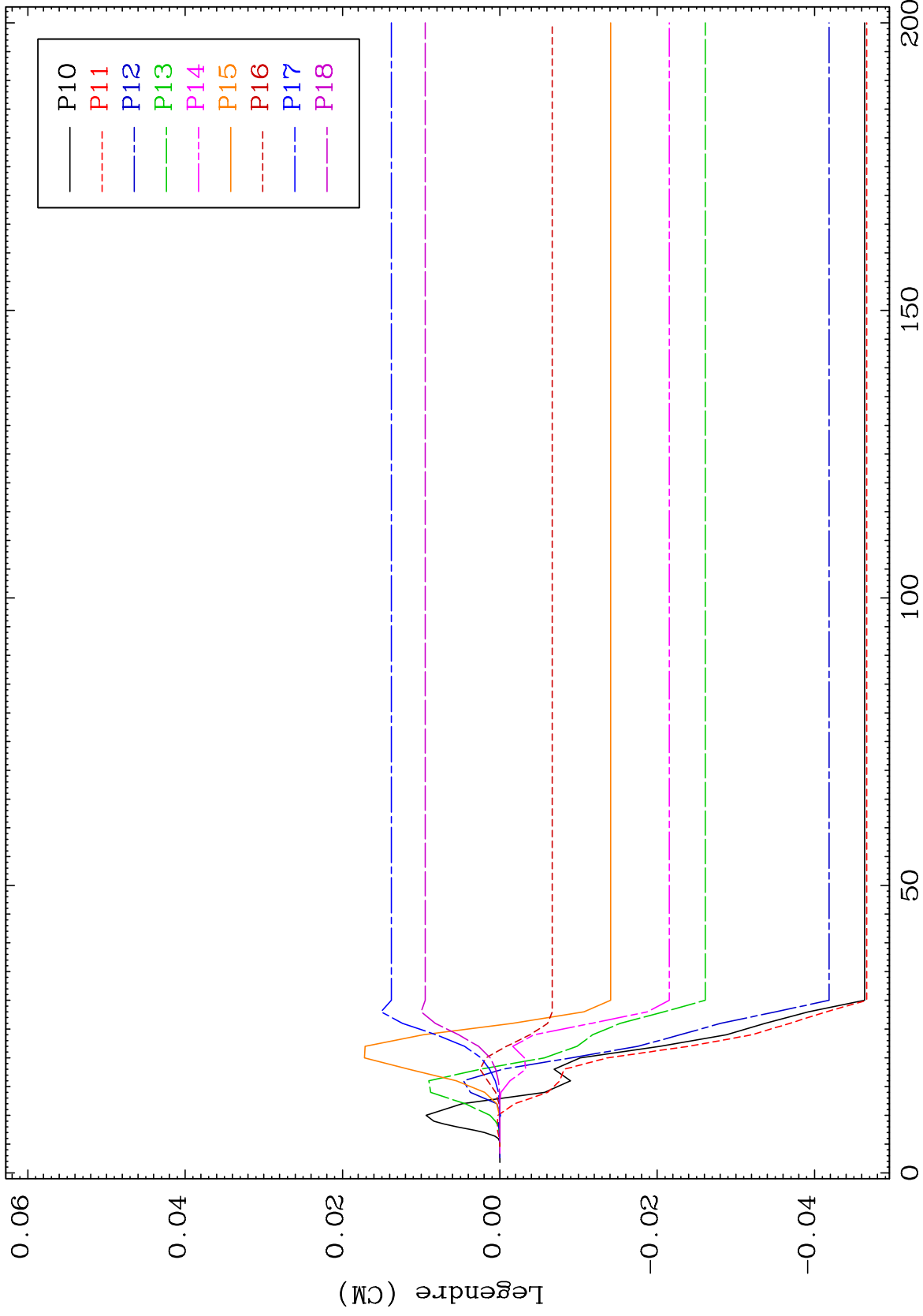




MAT 5828

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

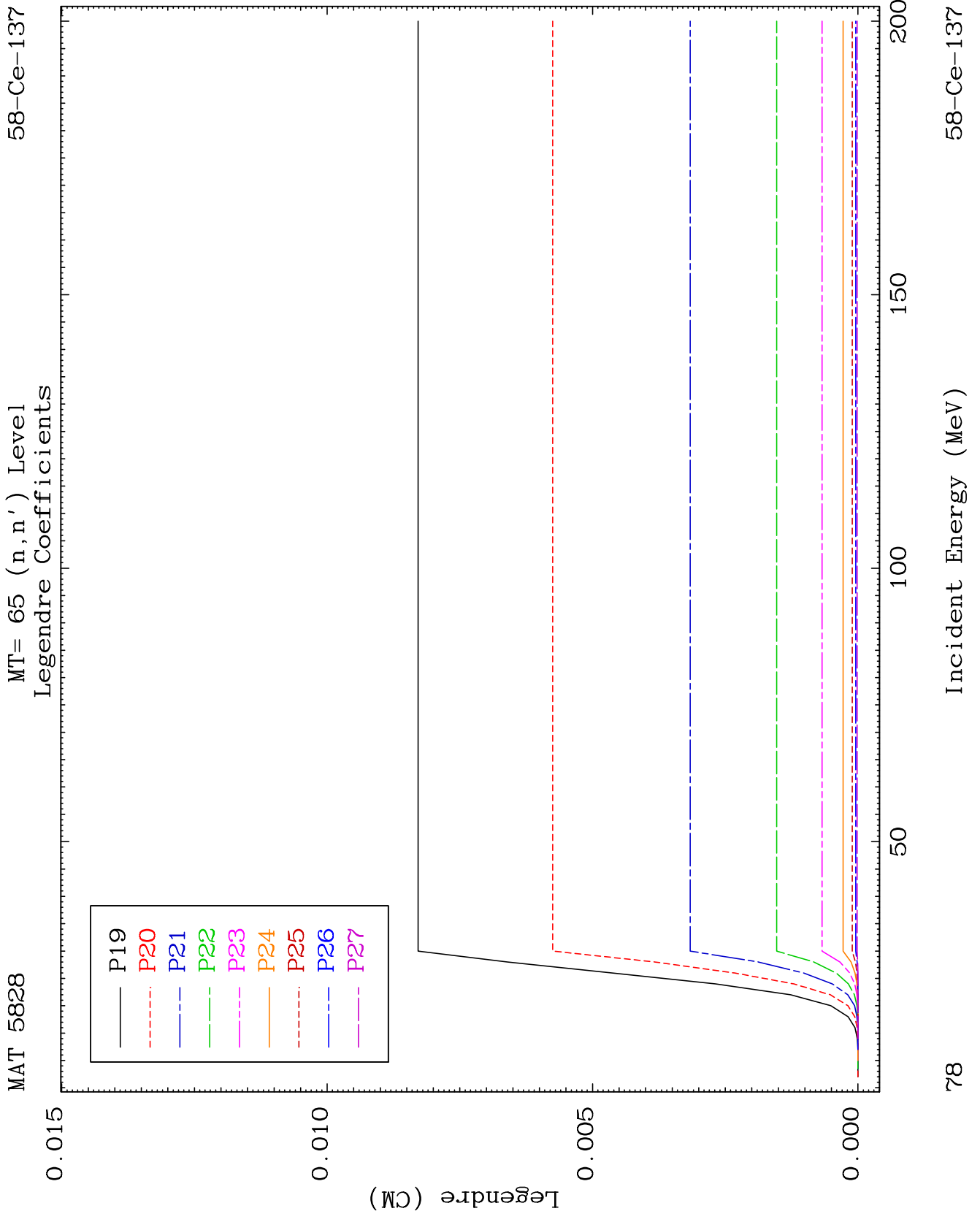
58-Ce-137



77

Incident Energy (MeV)

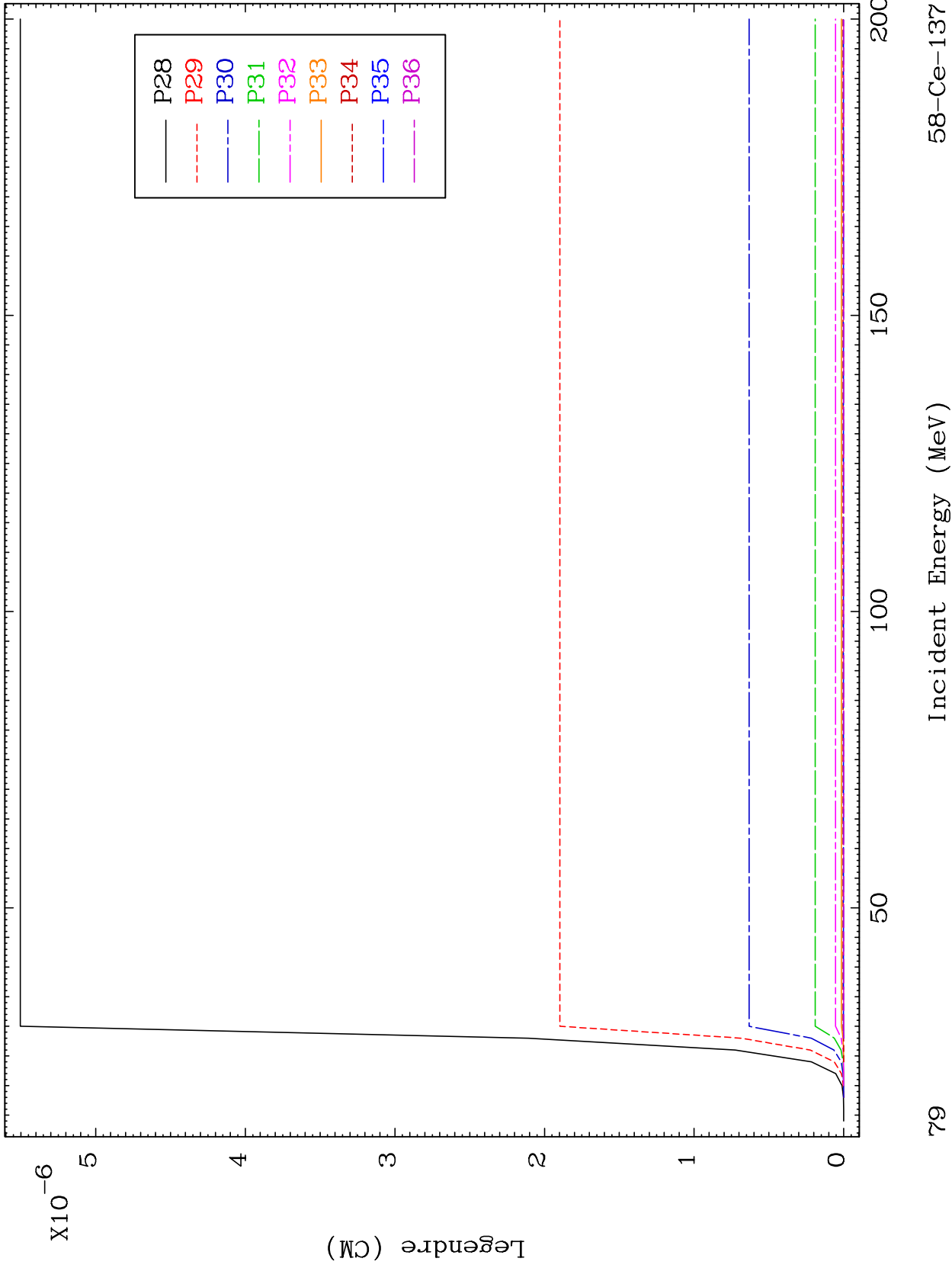
58-Ce-137



MAT 5828

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

58-Ce-137



79

Incident Energy (MeV)

58-Ce-137

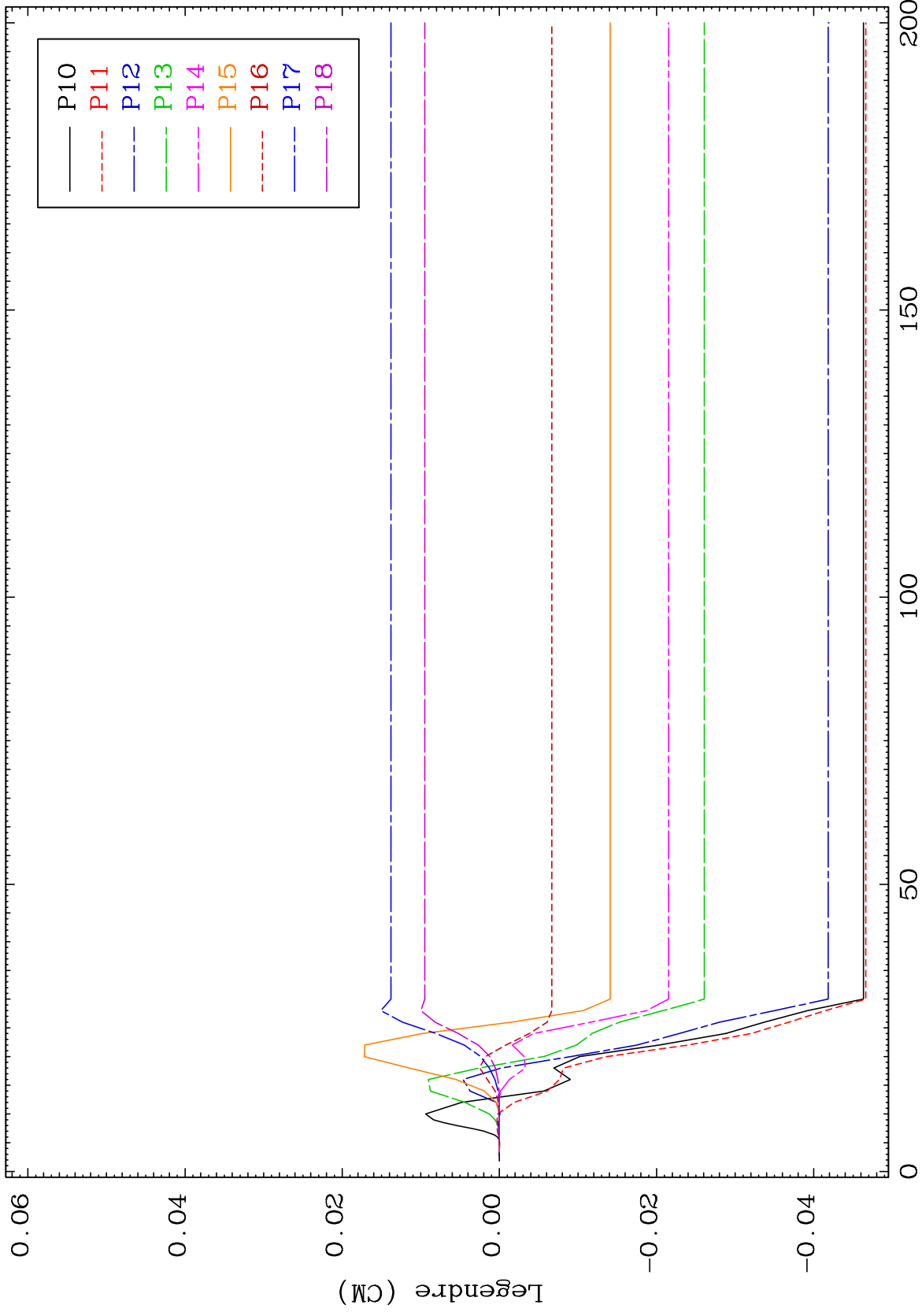




MAT 5828

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

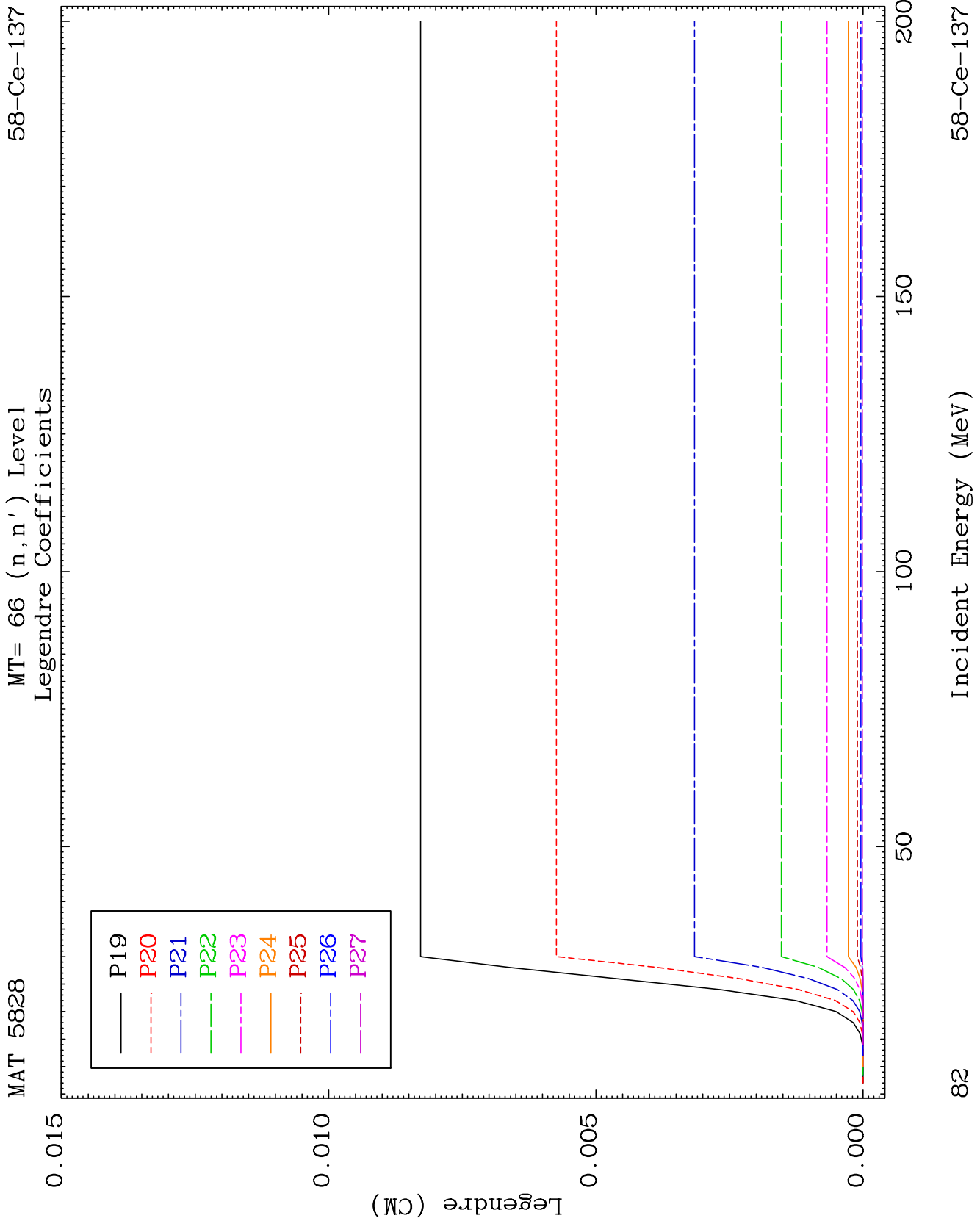
58-Ce-137



81

Incident Energy (MeV)

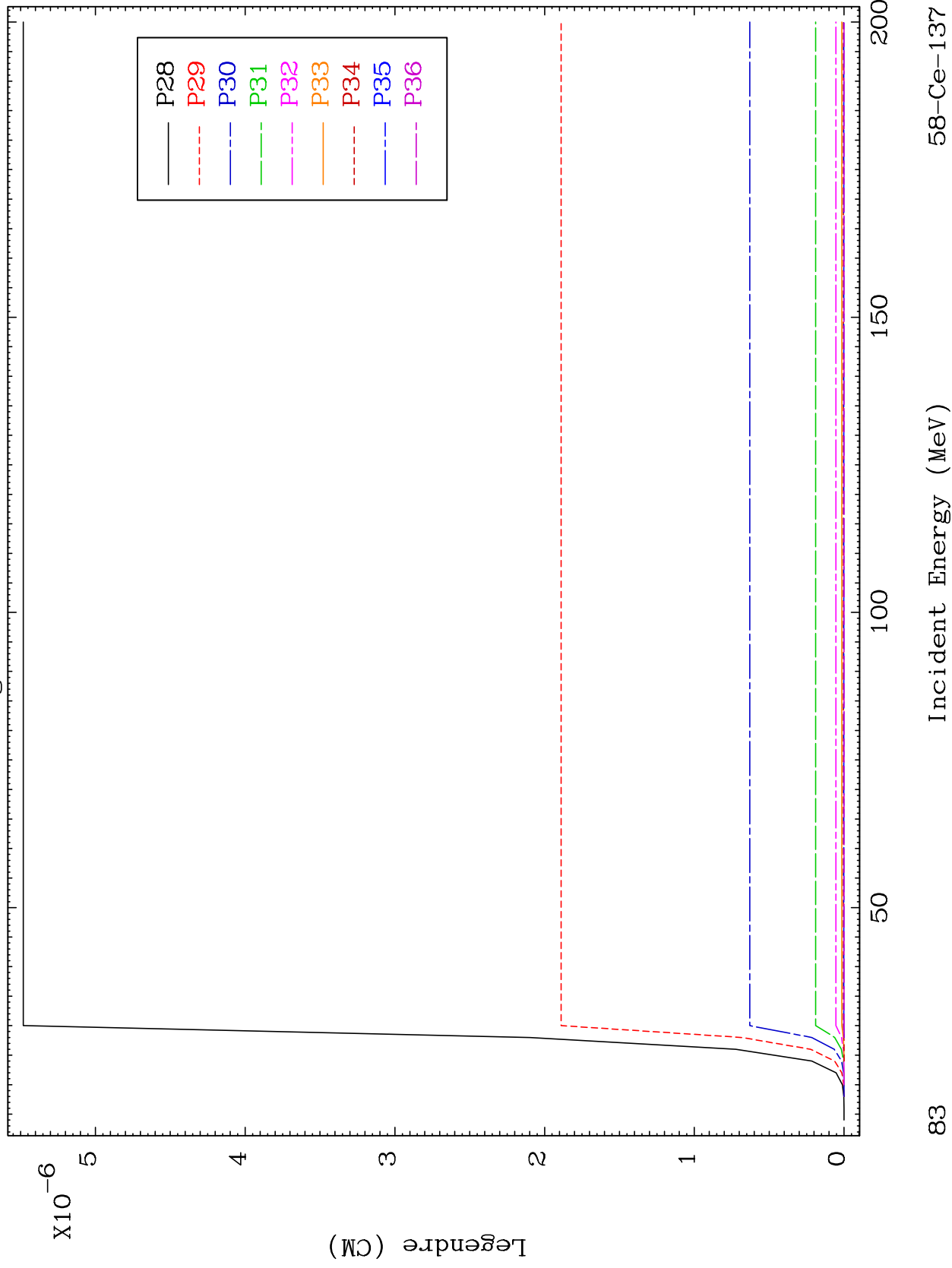
58-Ce-137



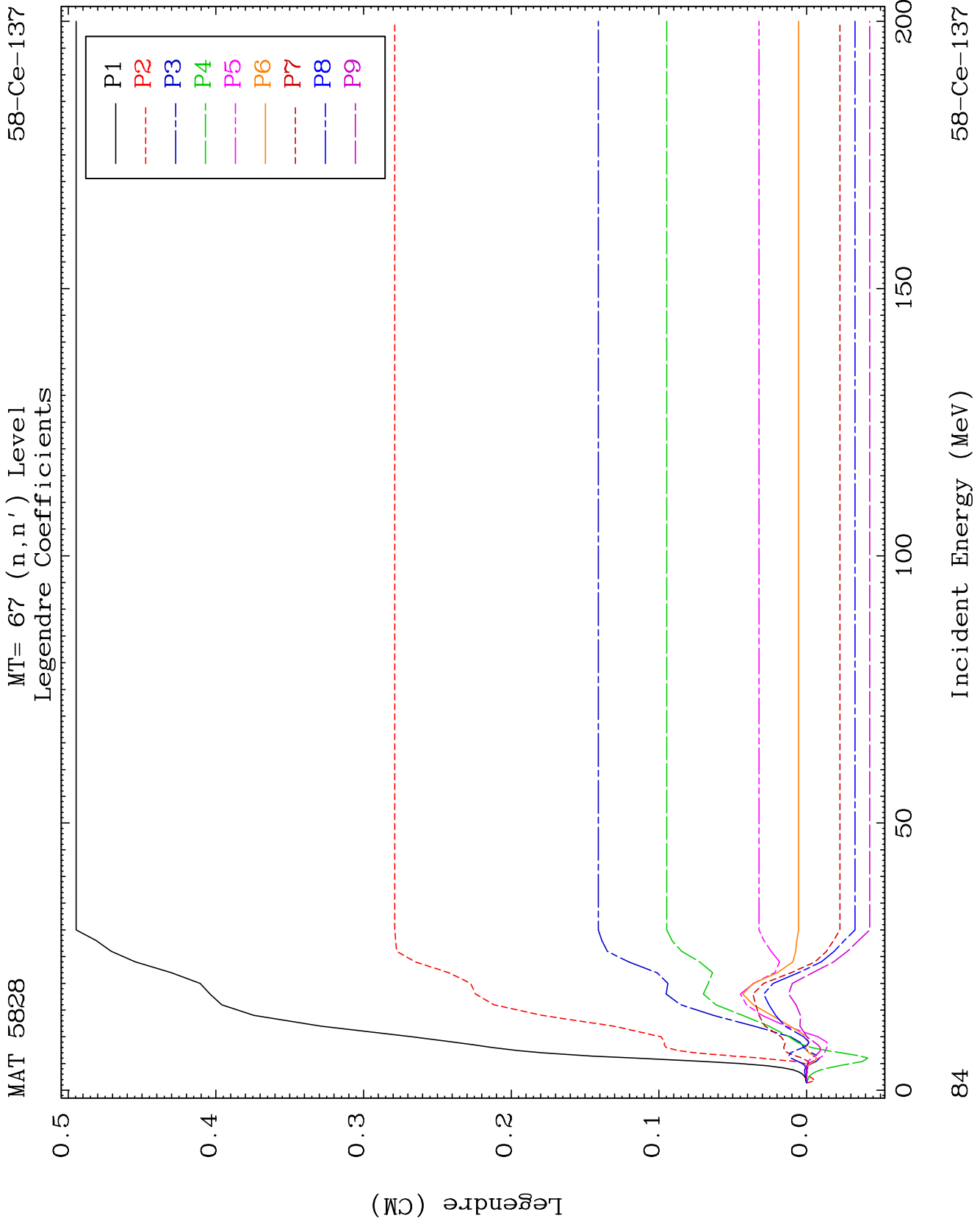
MAT 5828

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

58-Ce-137



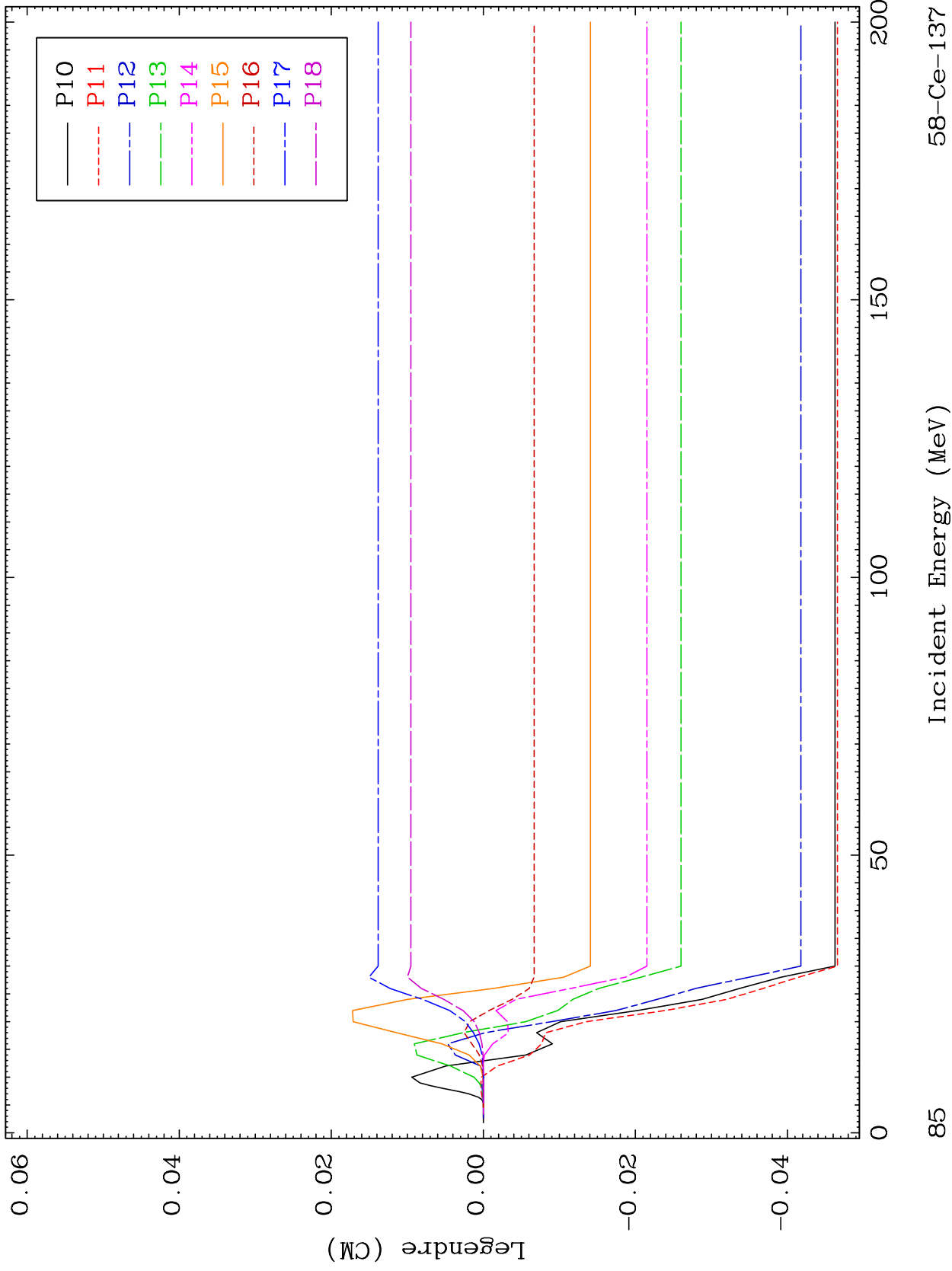
83



MAT 5828

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

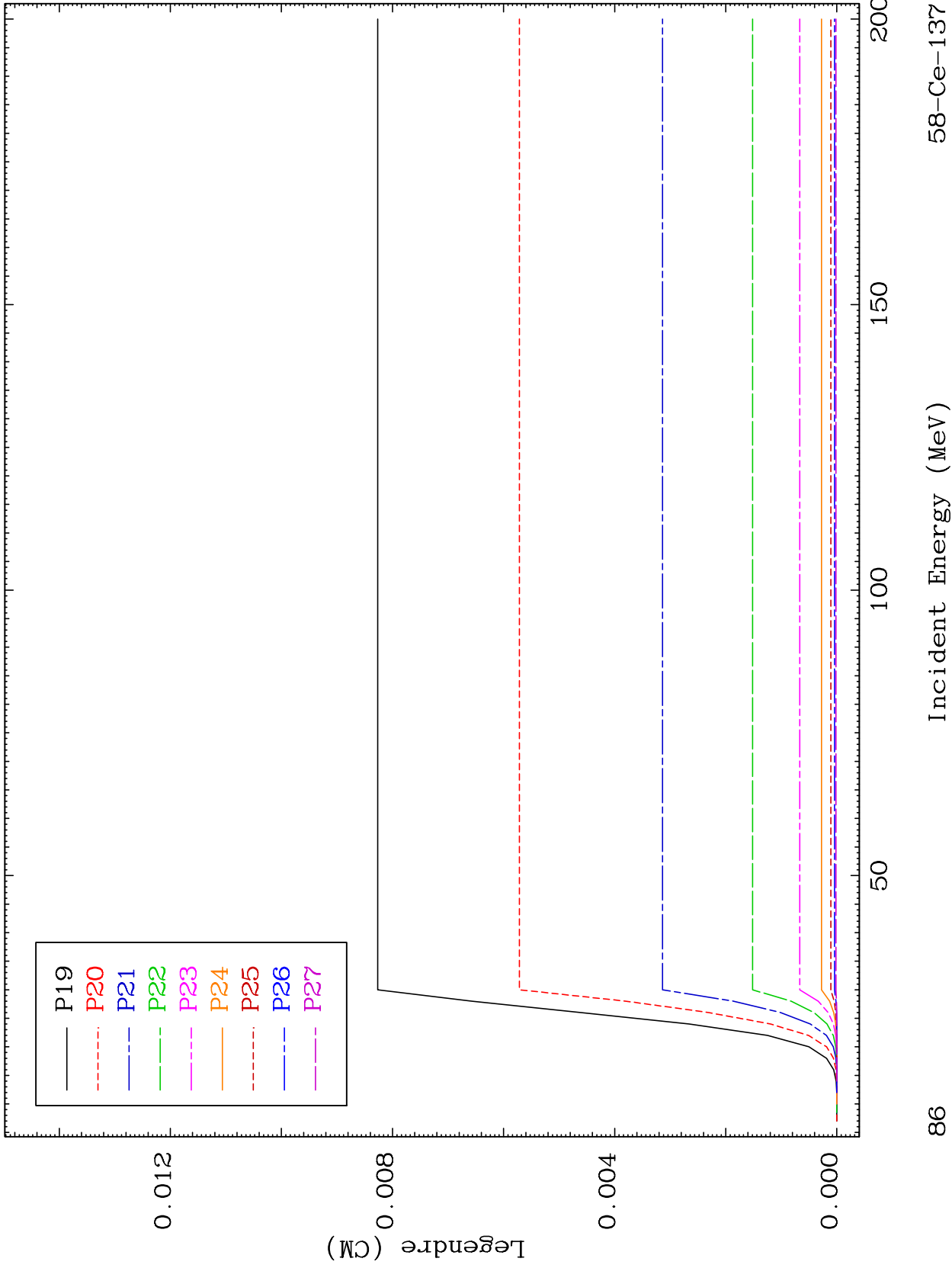
58-Ce-137



58-Ce-137

Incident Energy (MeV)

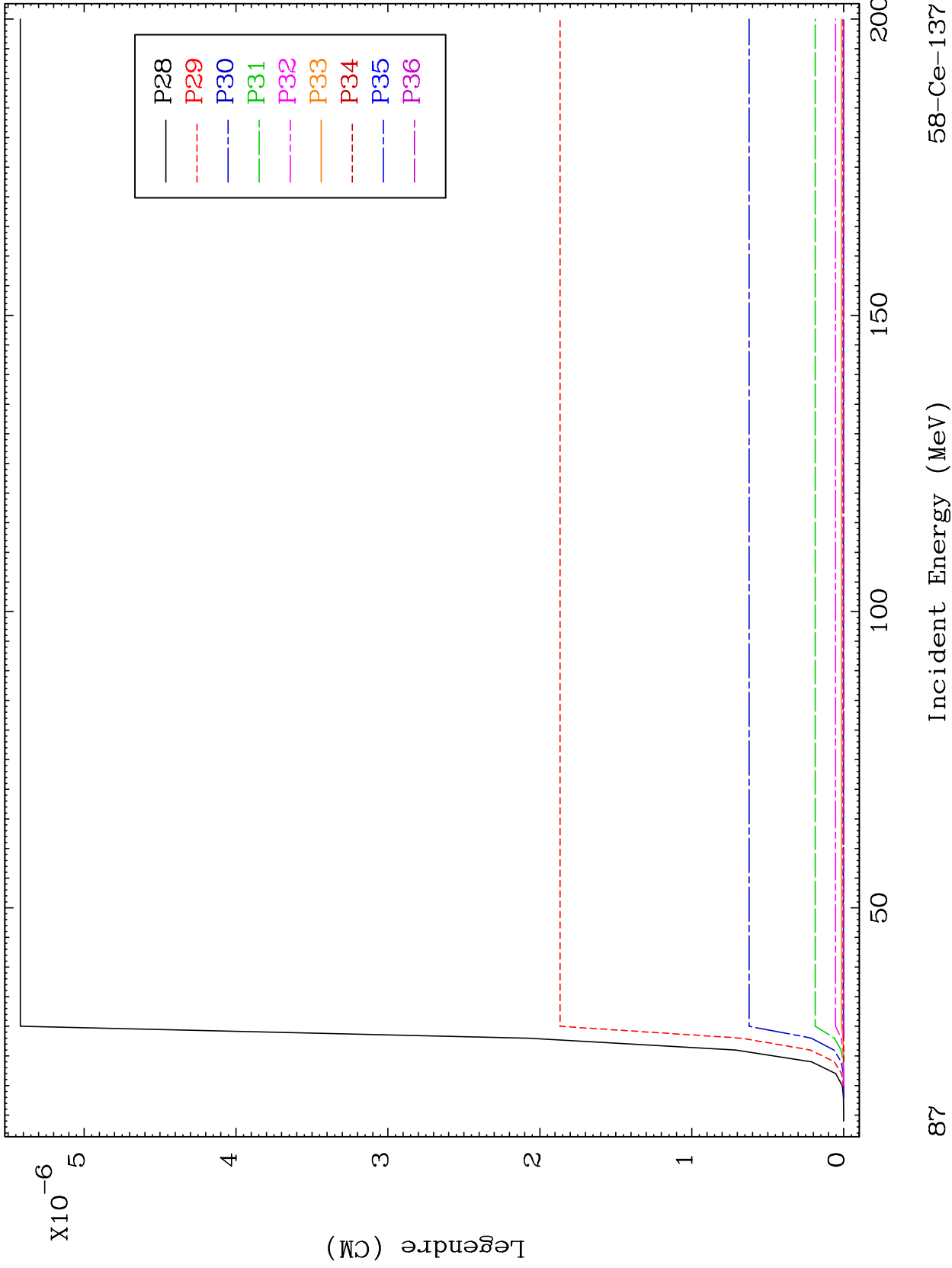
85



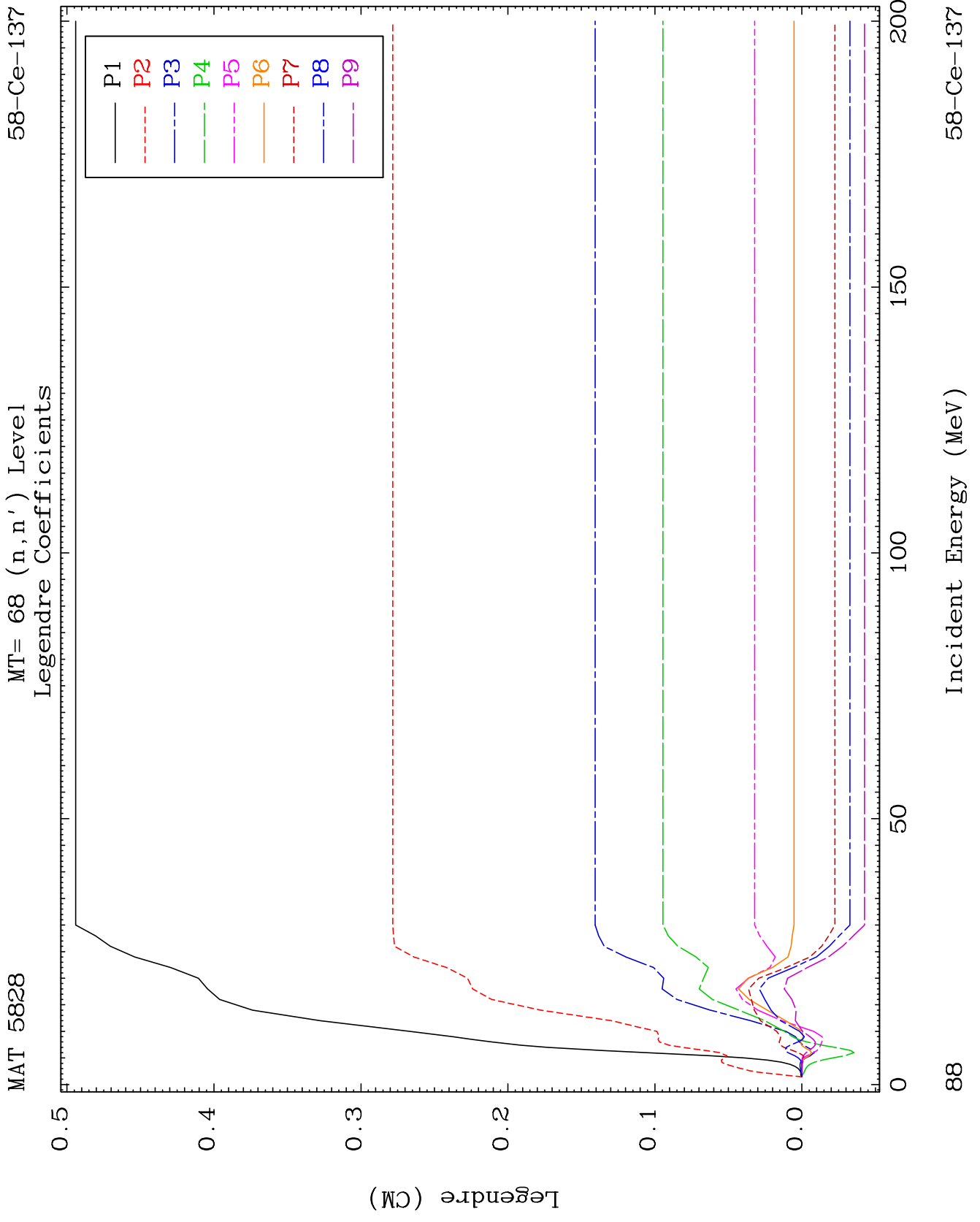
MAT 5828

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

58-Ce-137





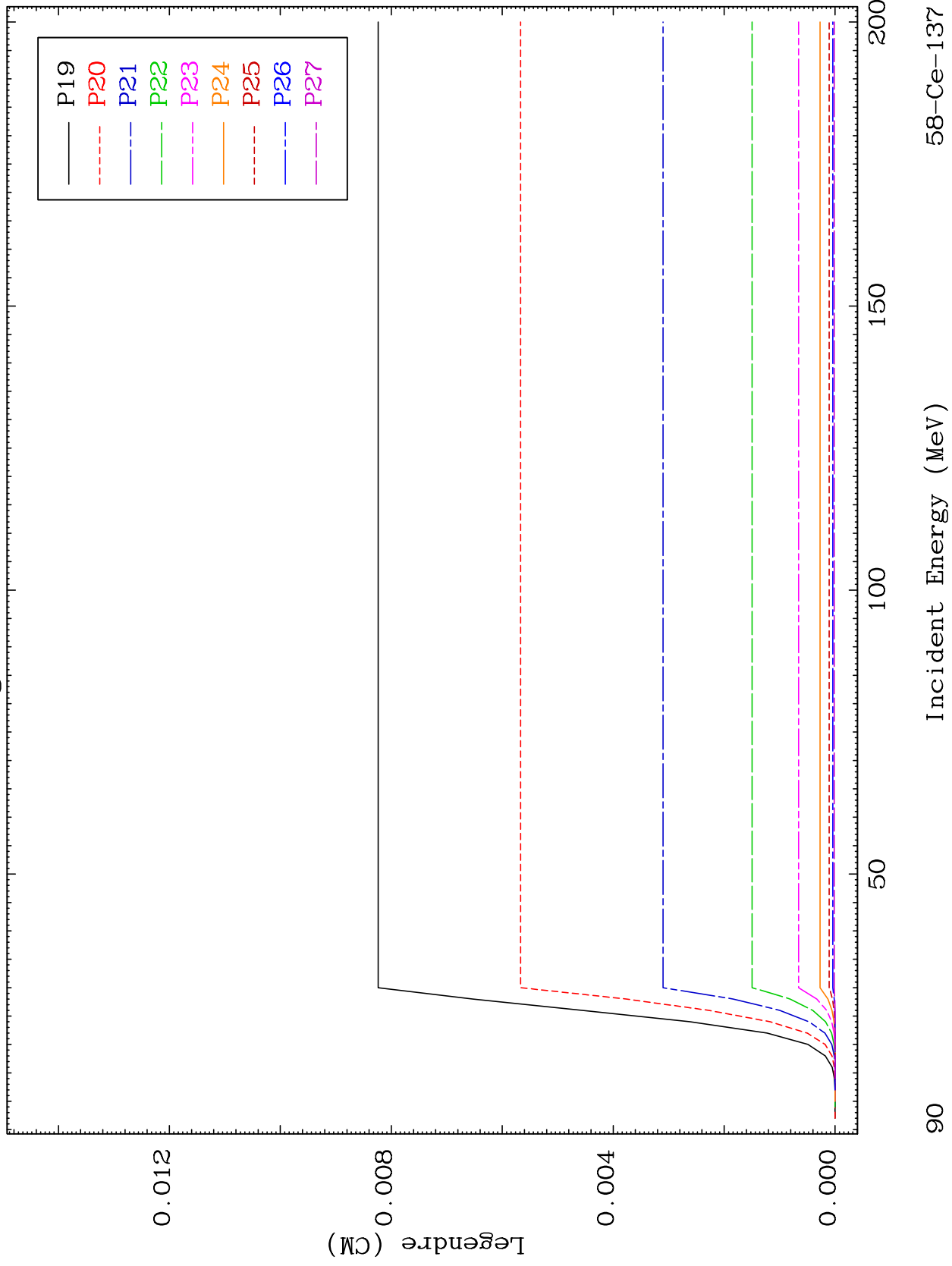




MAT 5828

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

58-Ce-137



58-Ce-137

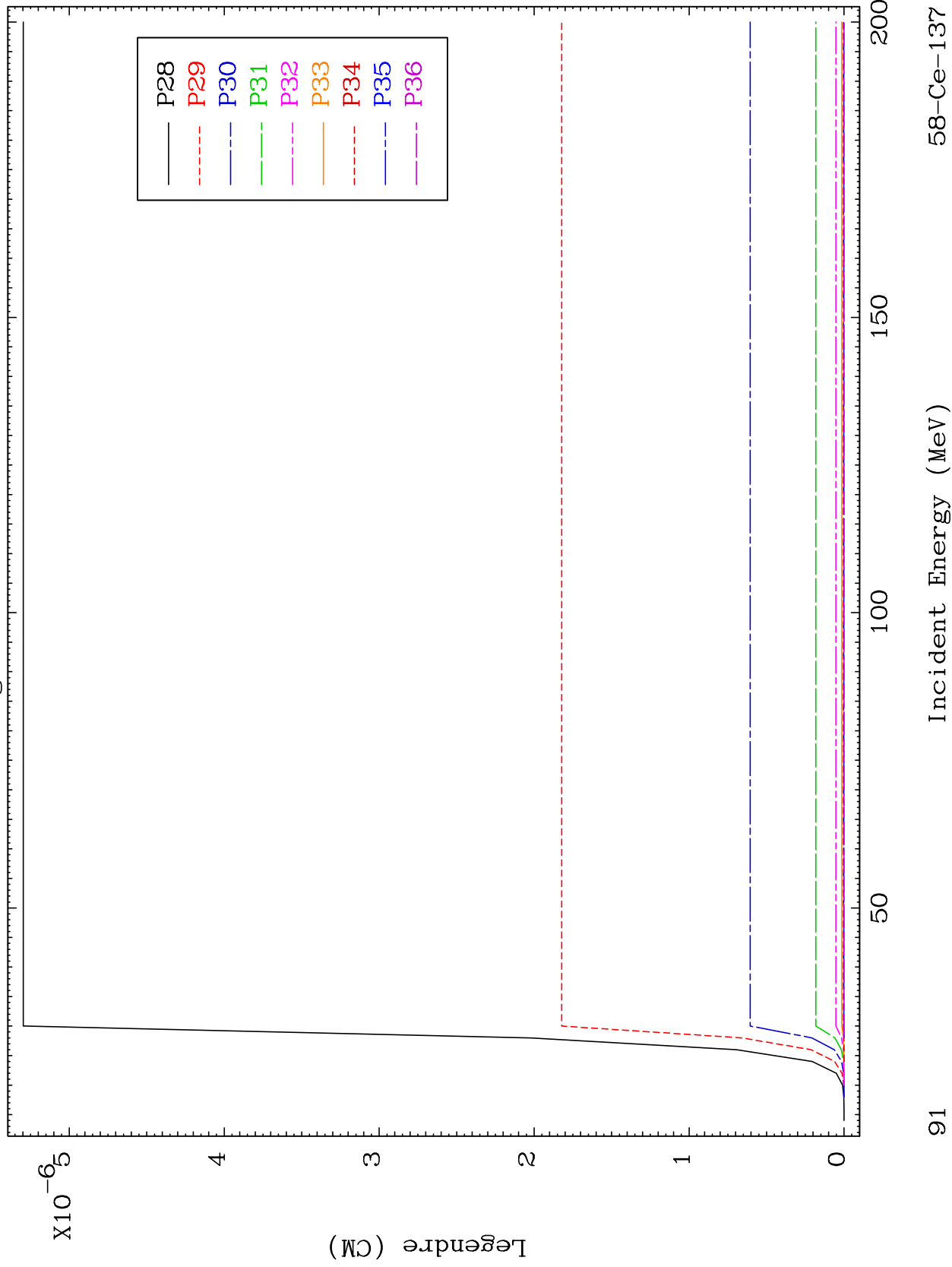
Incident Energy (MeV)

90

MAT 5828

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

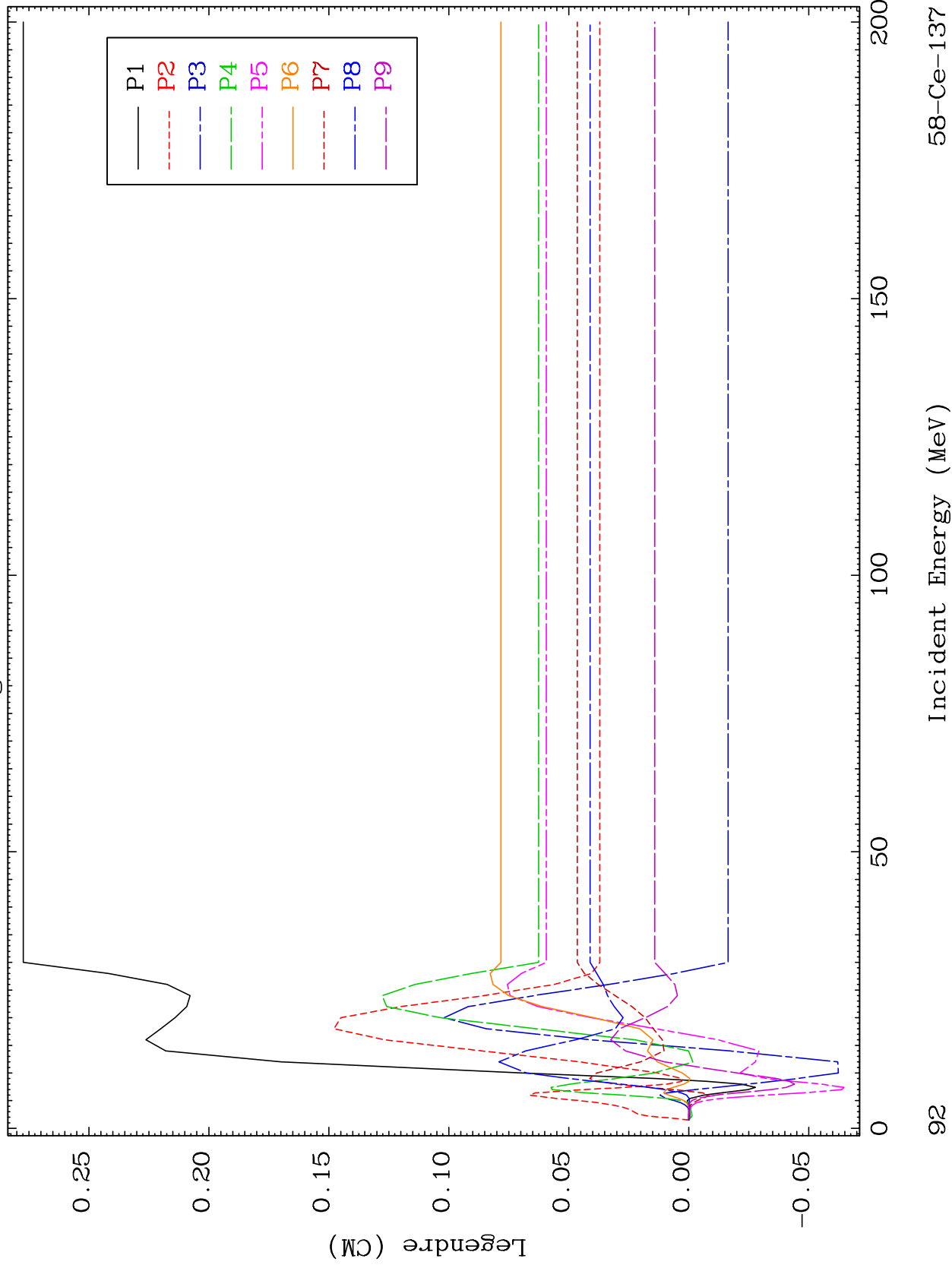
58-Ce-137



MAT 5828

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

58-Ce-137



58-Ce-137

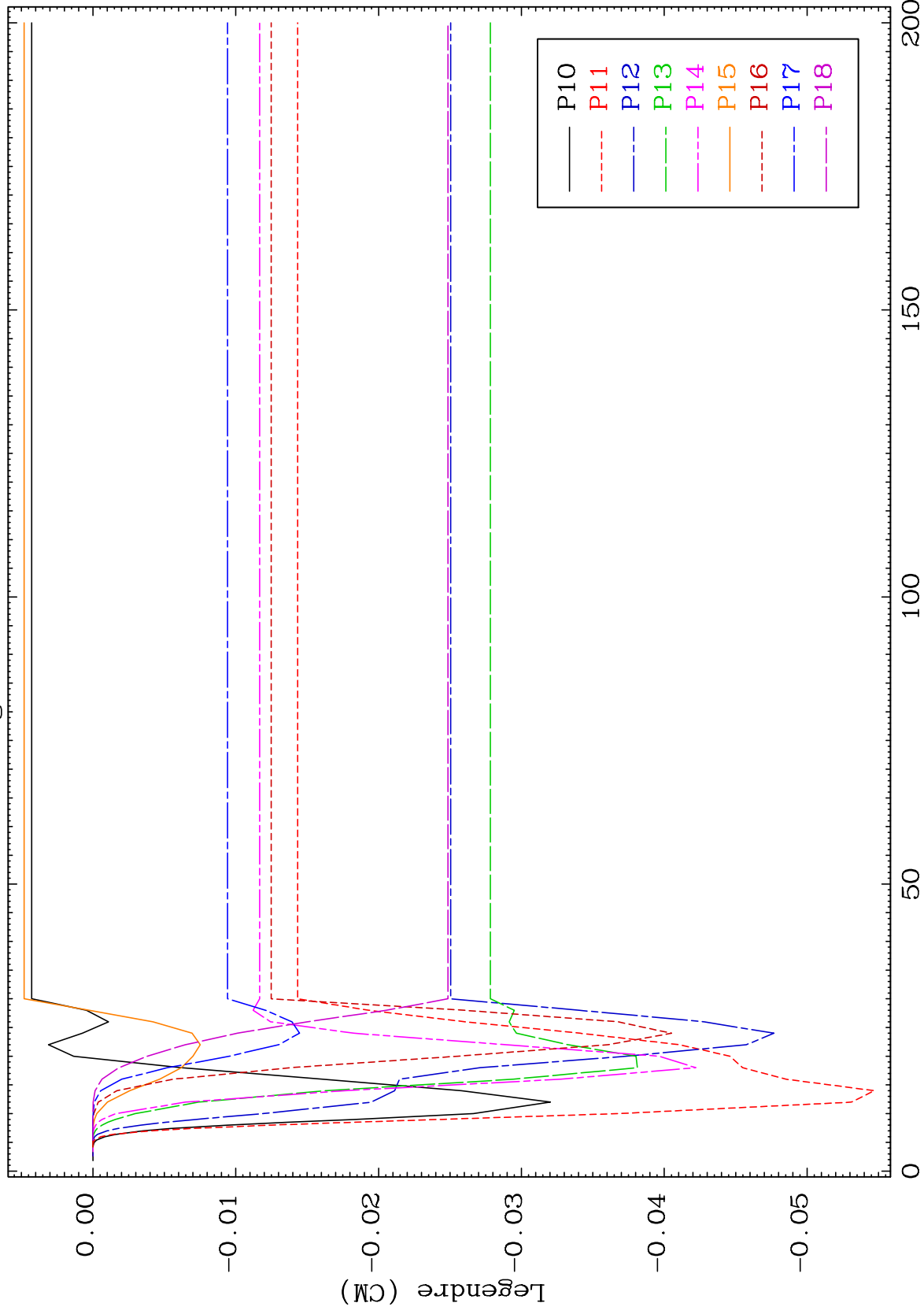
Incident Energy (MeV)

92

MAT 5828

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

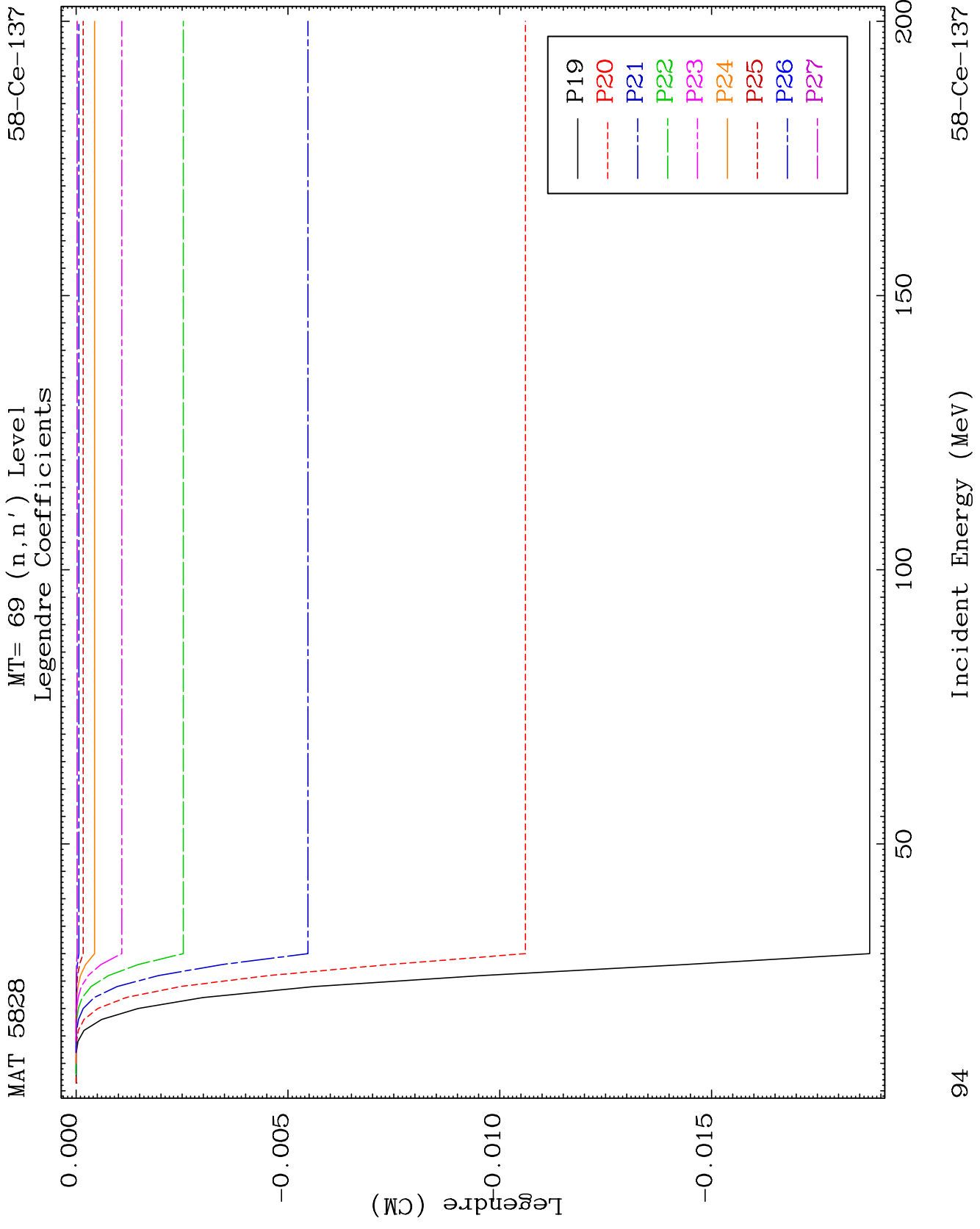
58-Ce-137

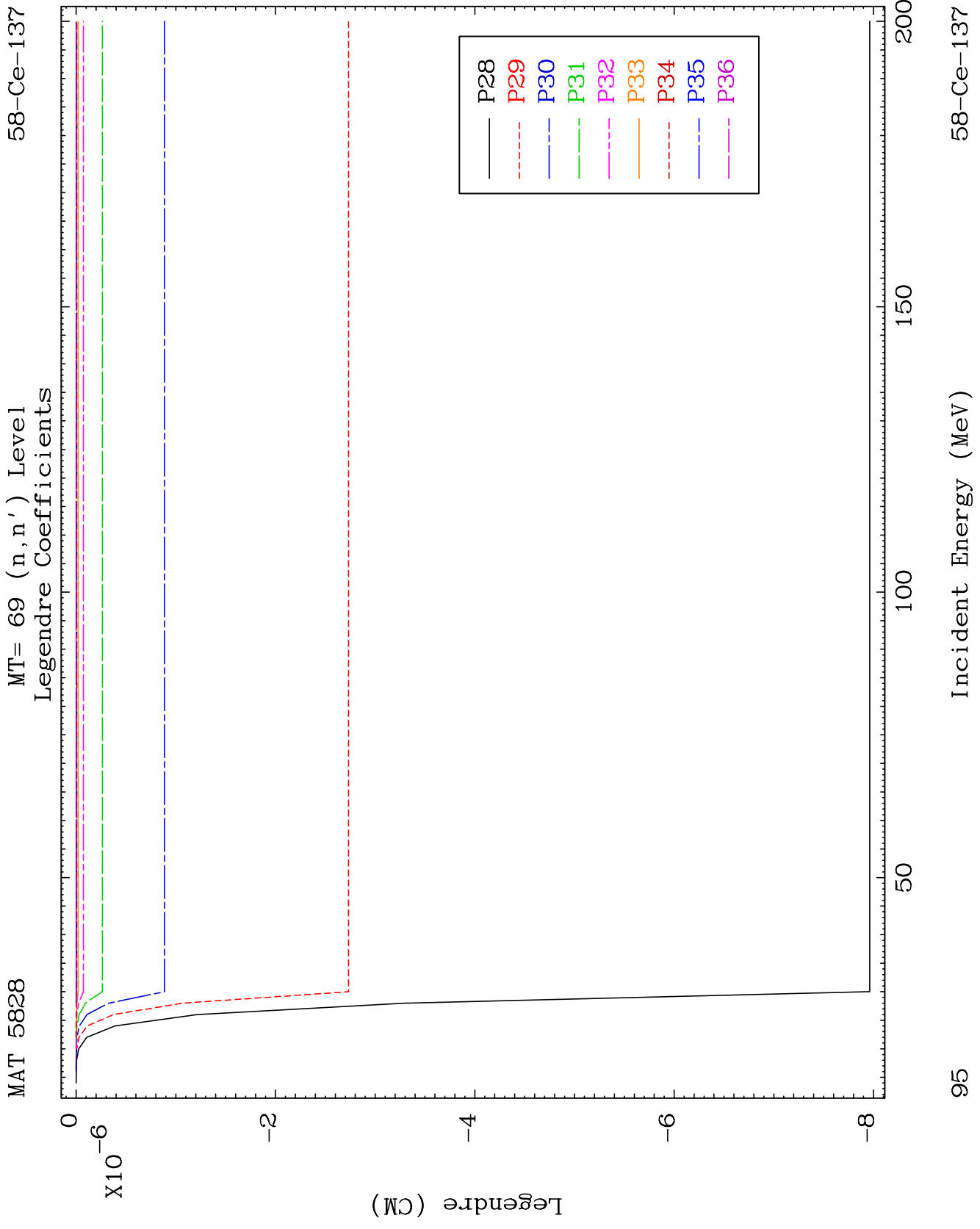


93

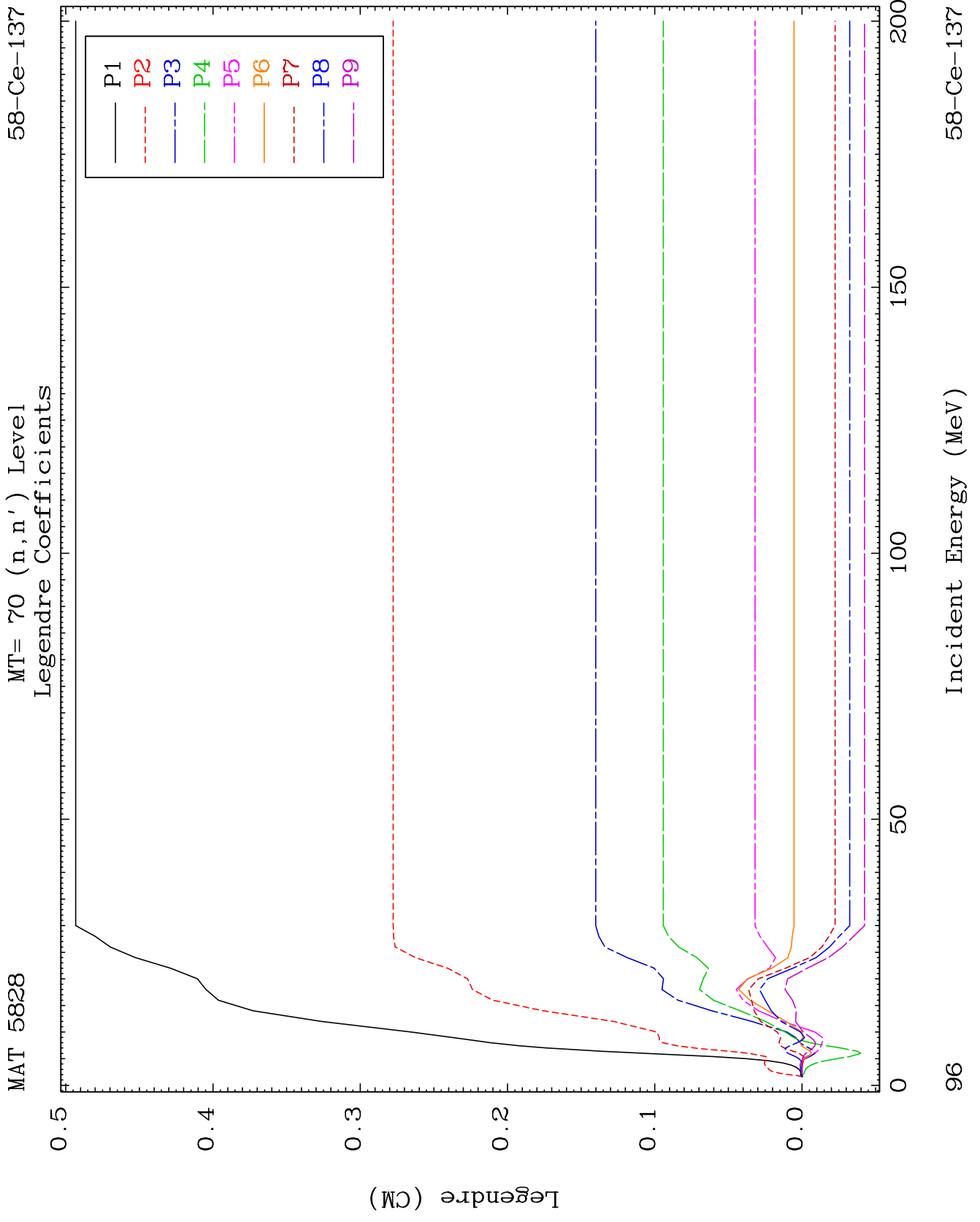
Incident Energy (MeV)

58-Ce-137









58-Ce-137

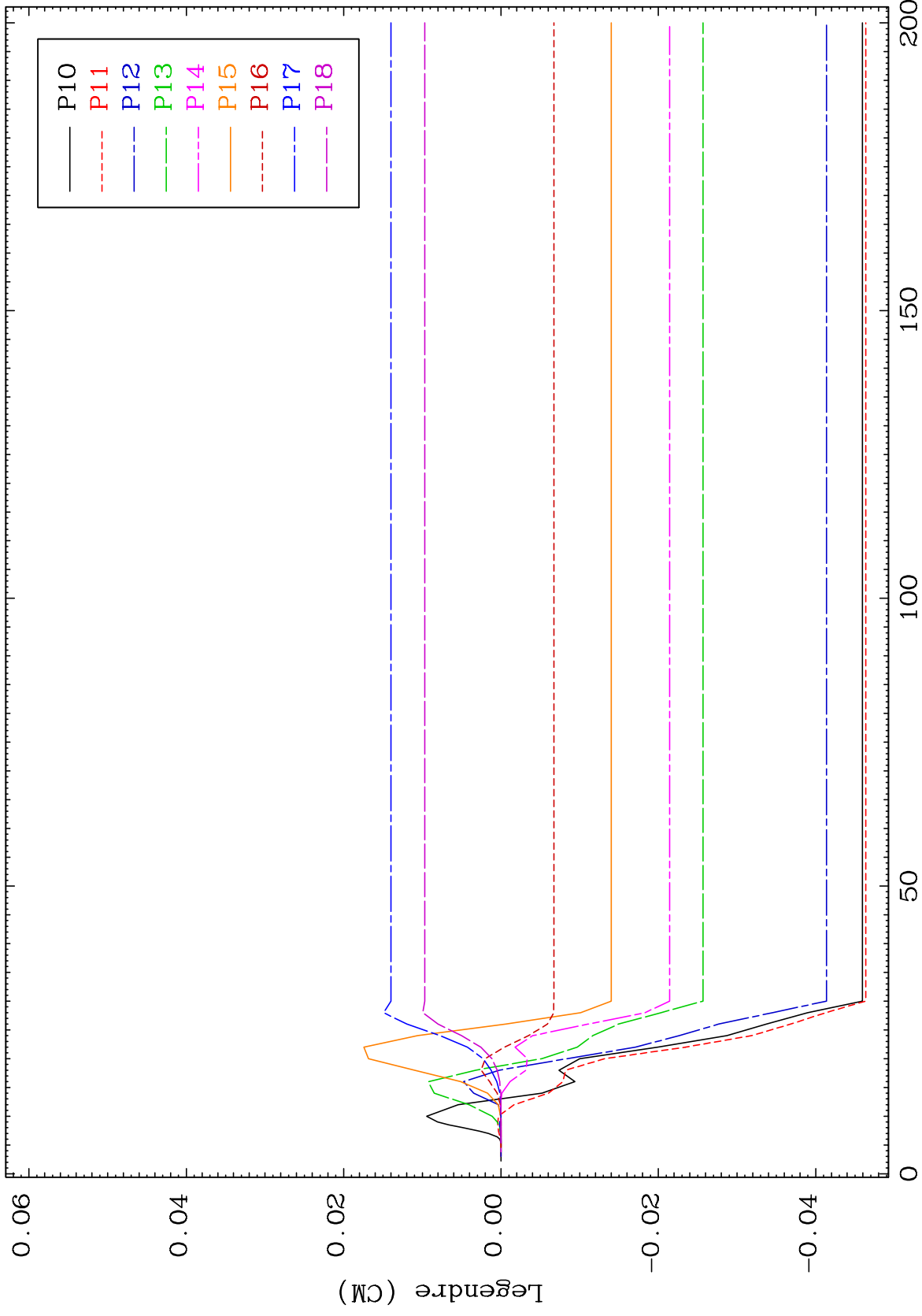
Incident Energy (MeV)

96

MAT 5828

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

58-Ce-137



97

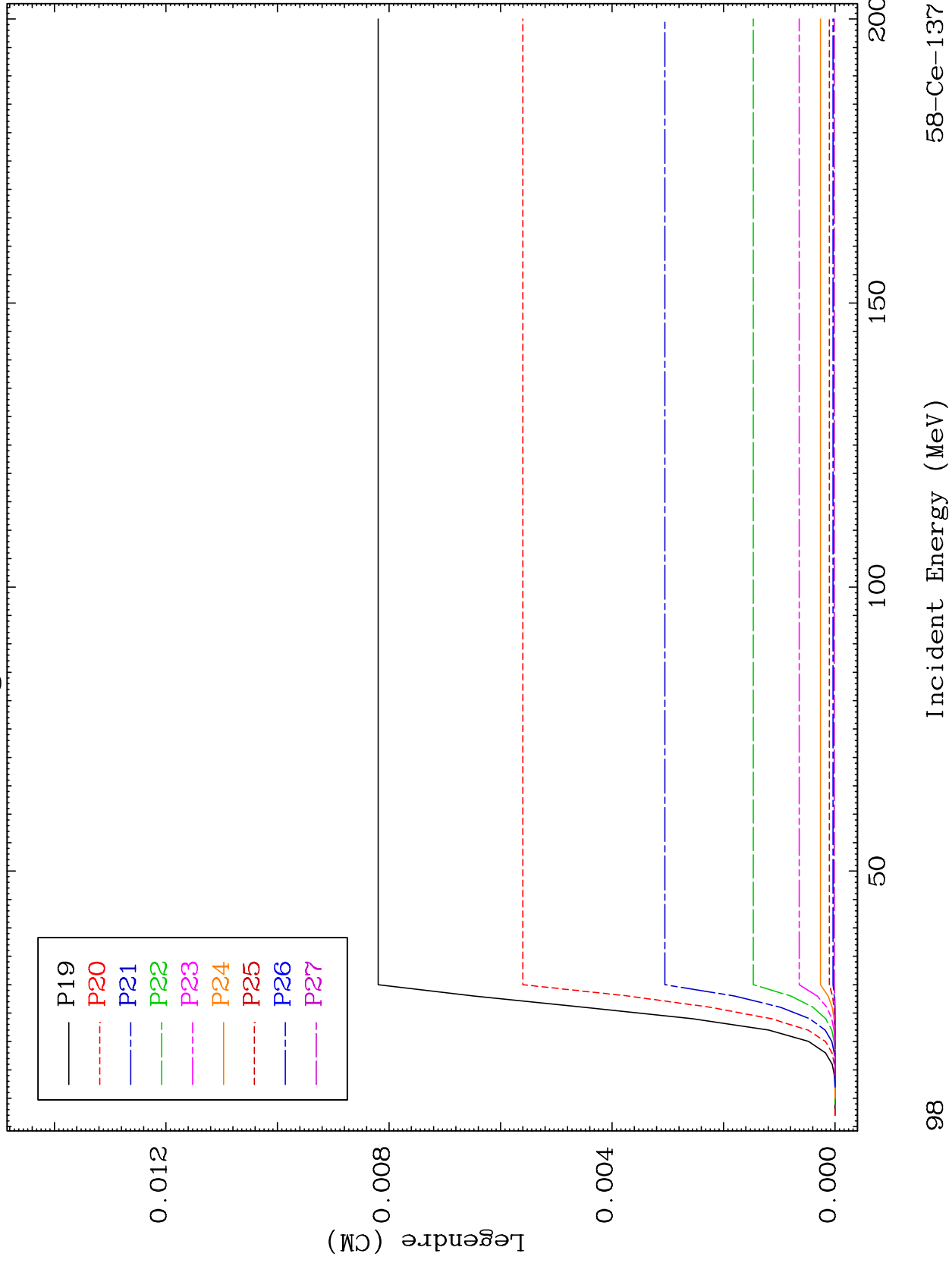
Incident Energy (MeV)

58-Ce-137

MAT 5828

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

58-Ce-137



98

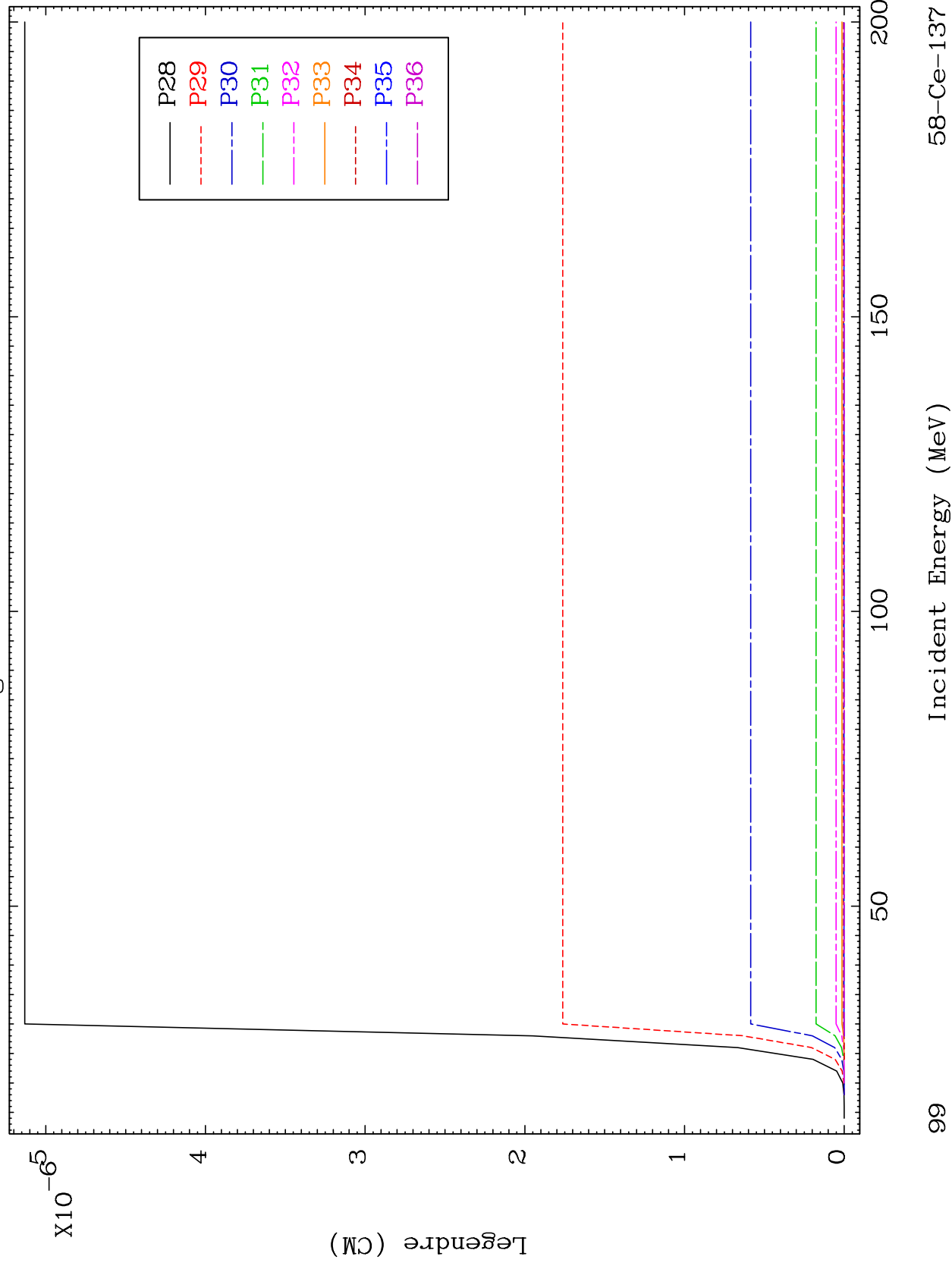
Incident Energy (MeV)

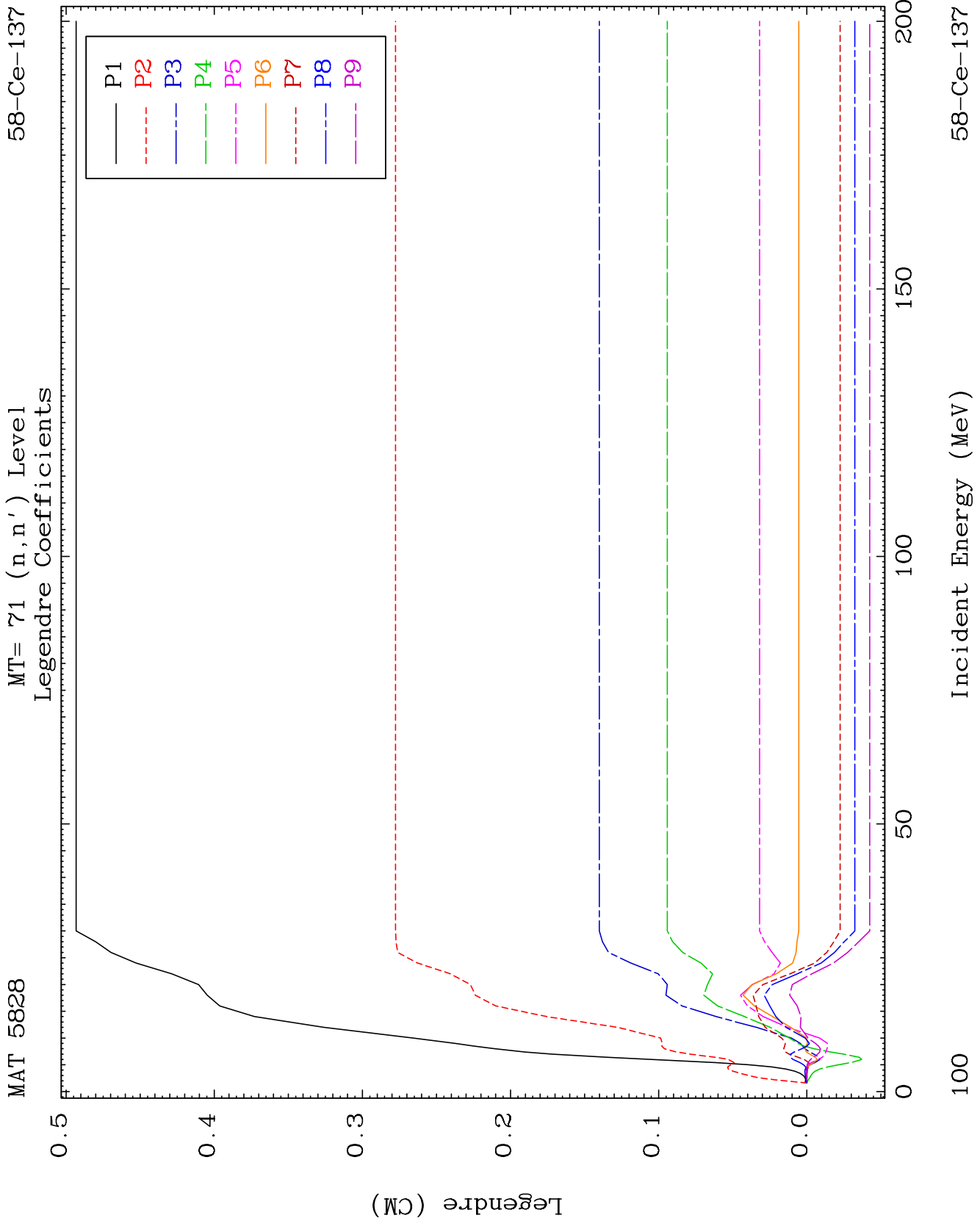
58-Ce-137

MAT 5828

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

58-Ce-137

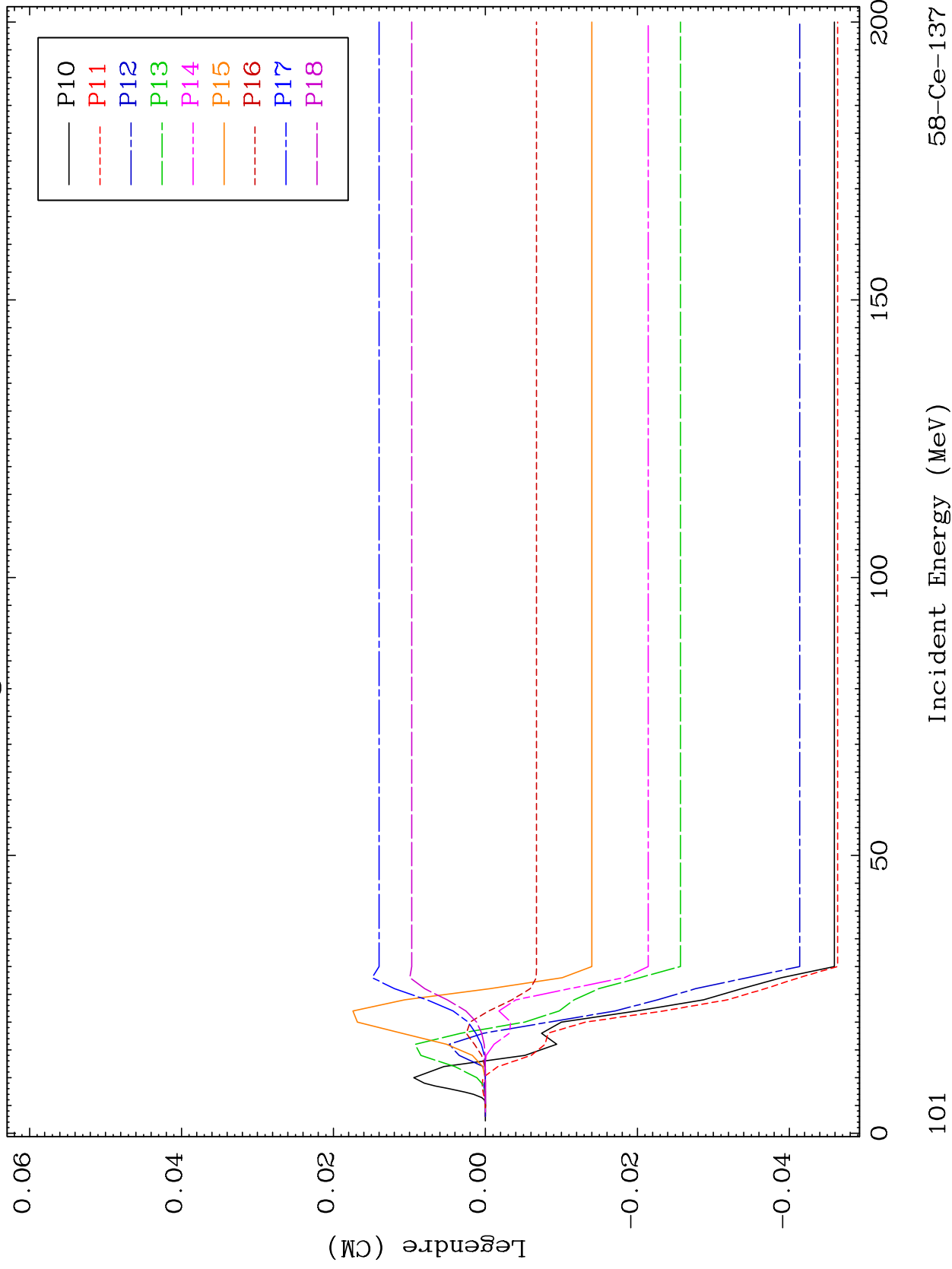




MAT 5828

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

58-Ce-137



101

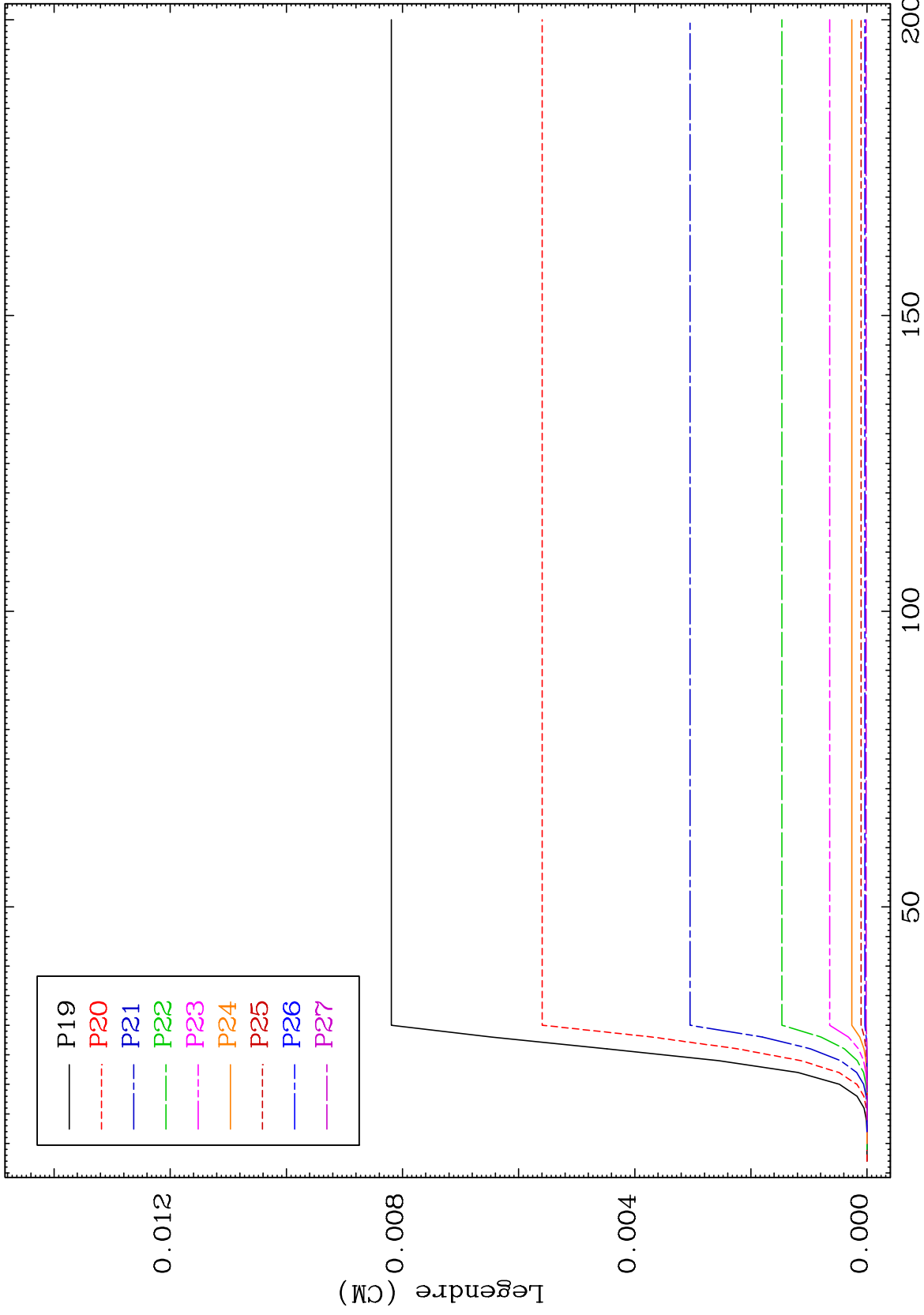
Incident Energy (MeV)

58-Ce-137

MAT 5828

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

58-Ce-137



102

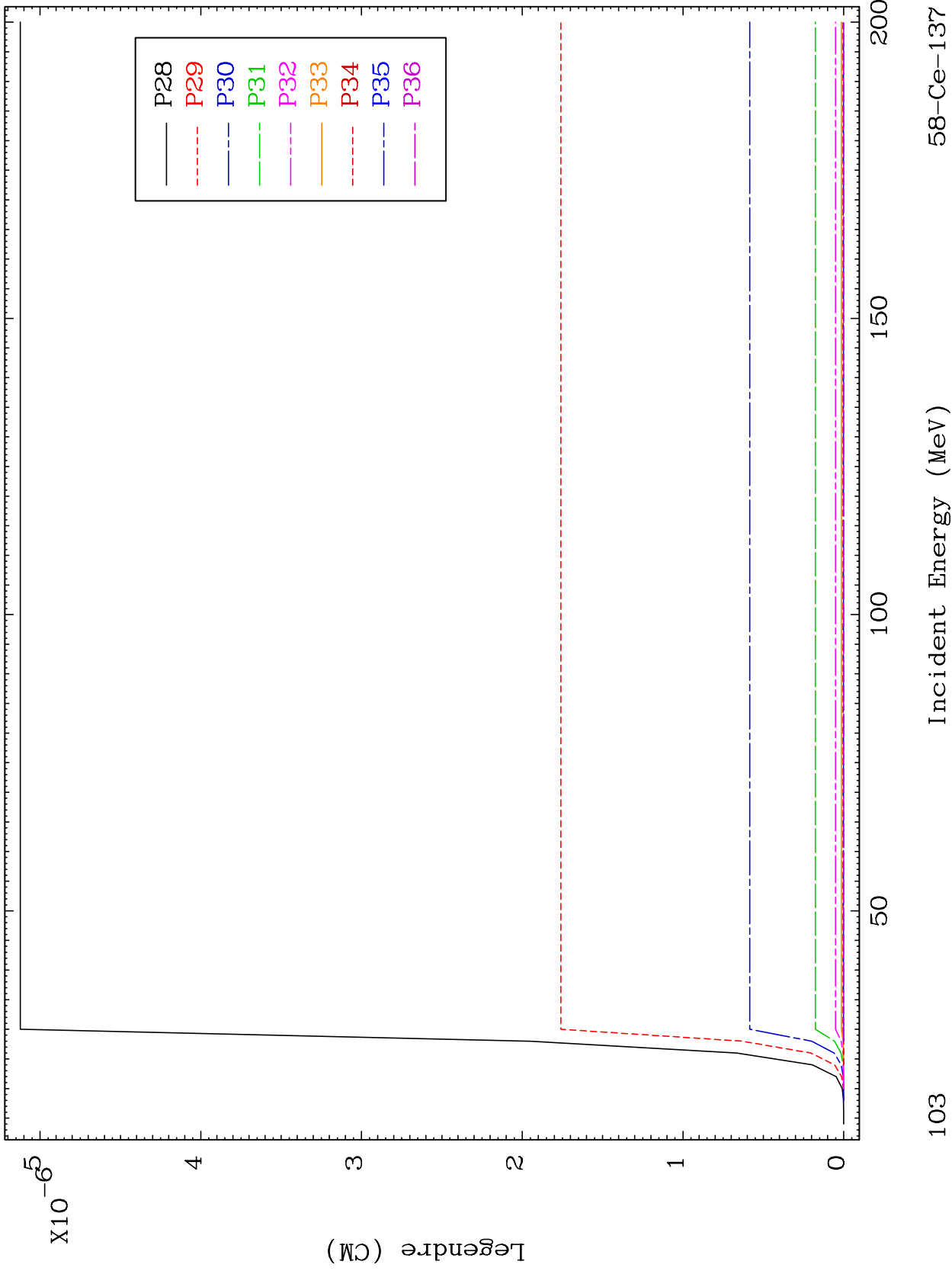
Incident Energy (MeV)

58-Ce-137

MAT 5828

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

58-Ce-137



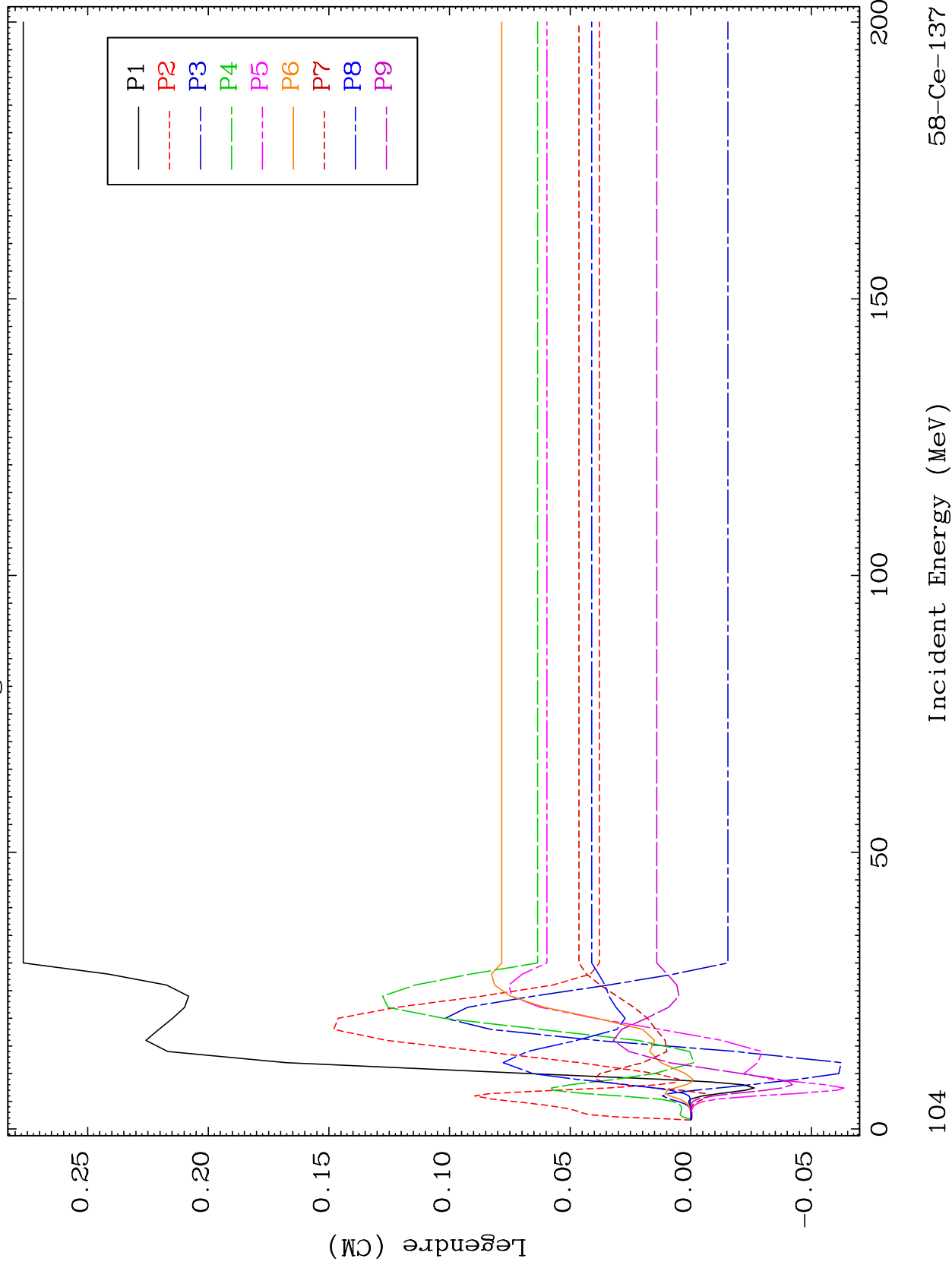
103



MAT 5828

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

58-Ce-137



58-Ce-137

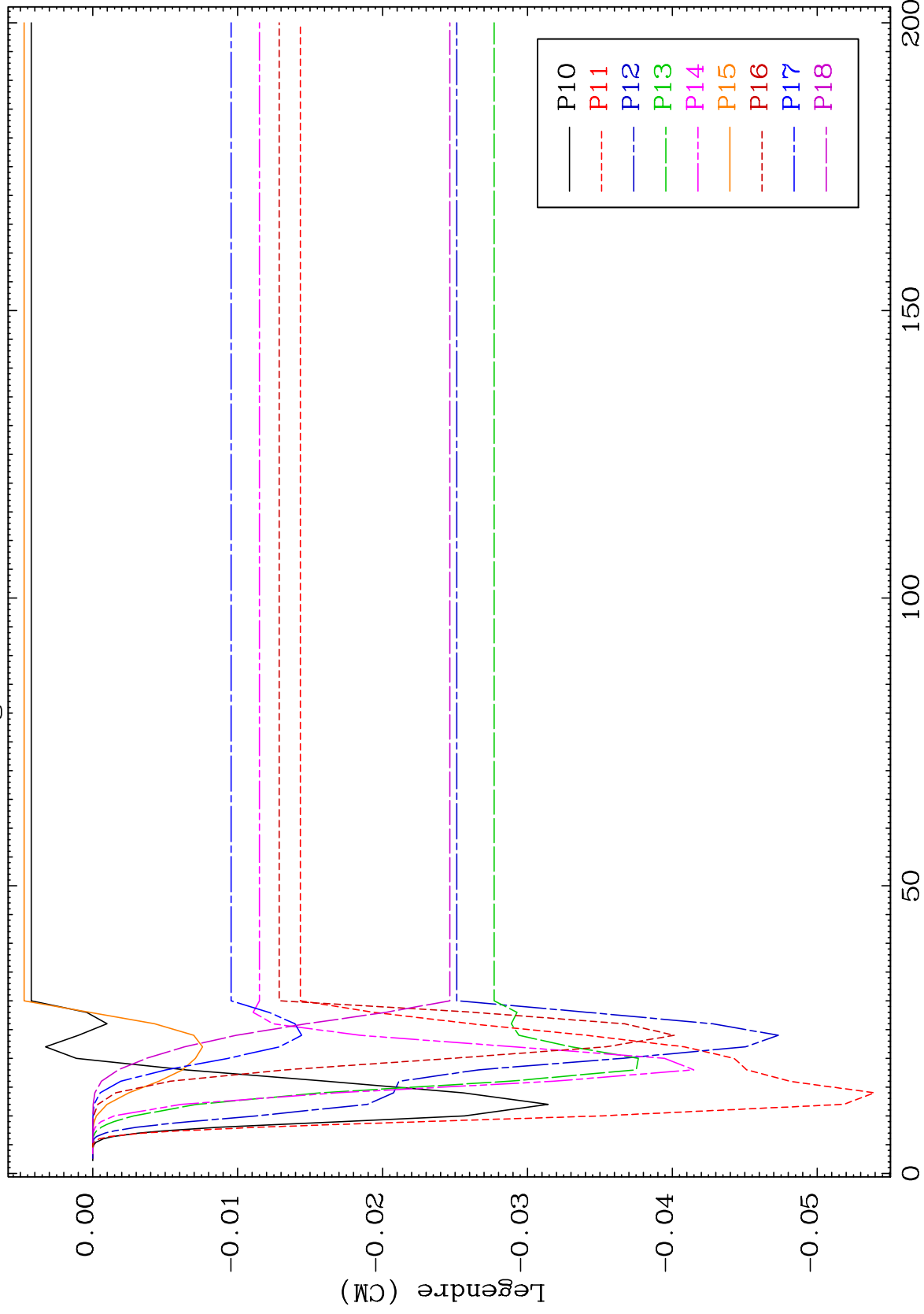
Incident Energy (MeV)

104

MAT 5828

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

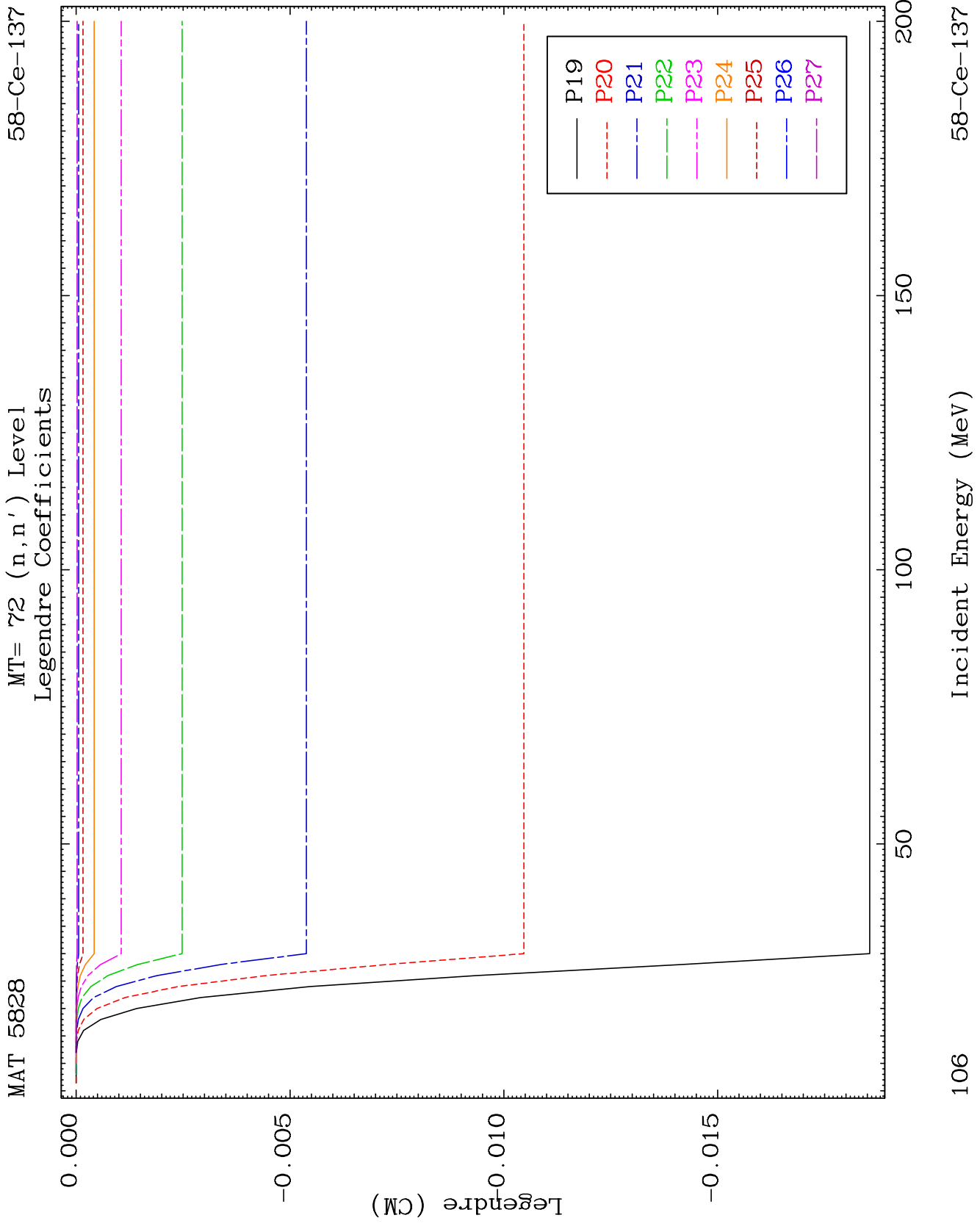
58-Ce-137

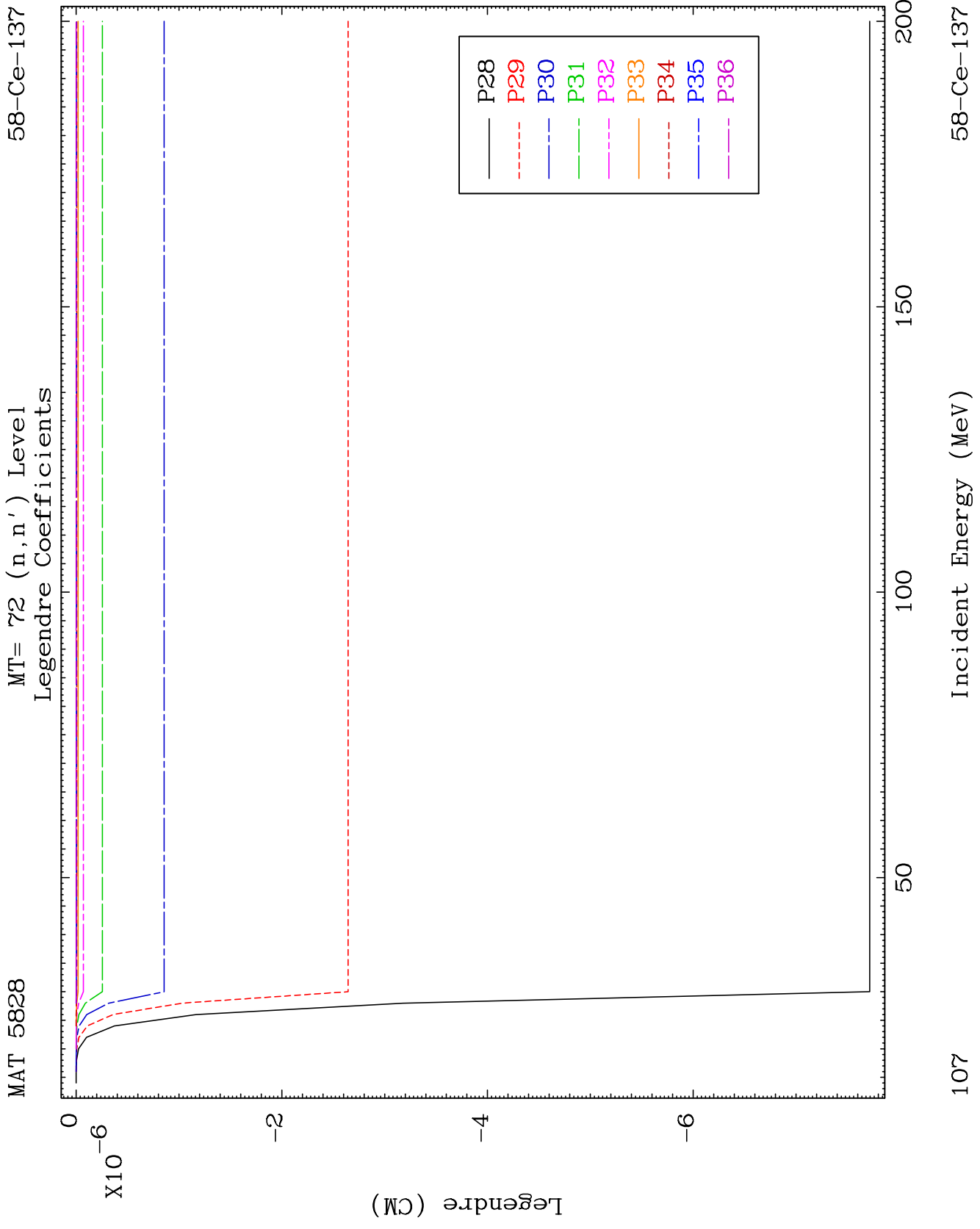


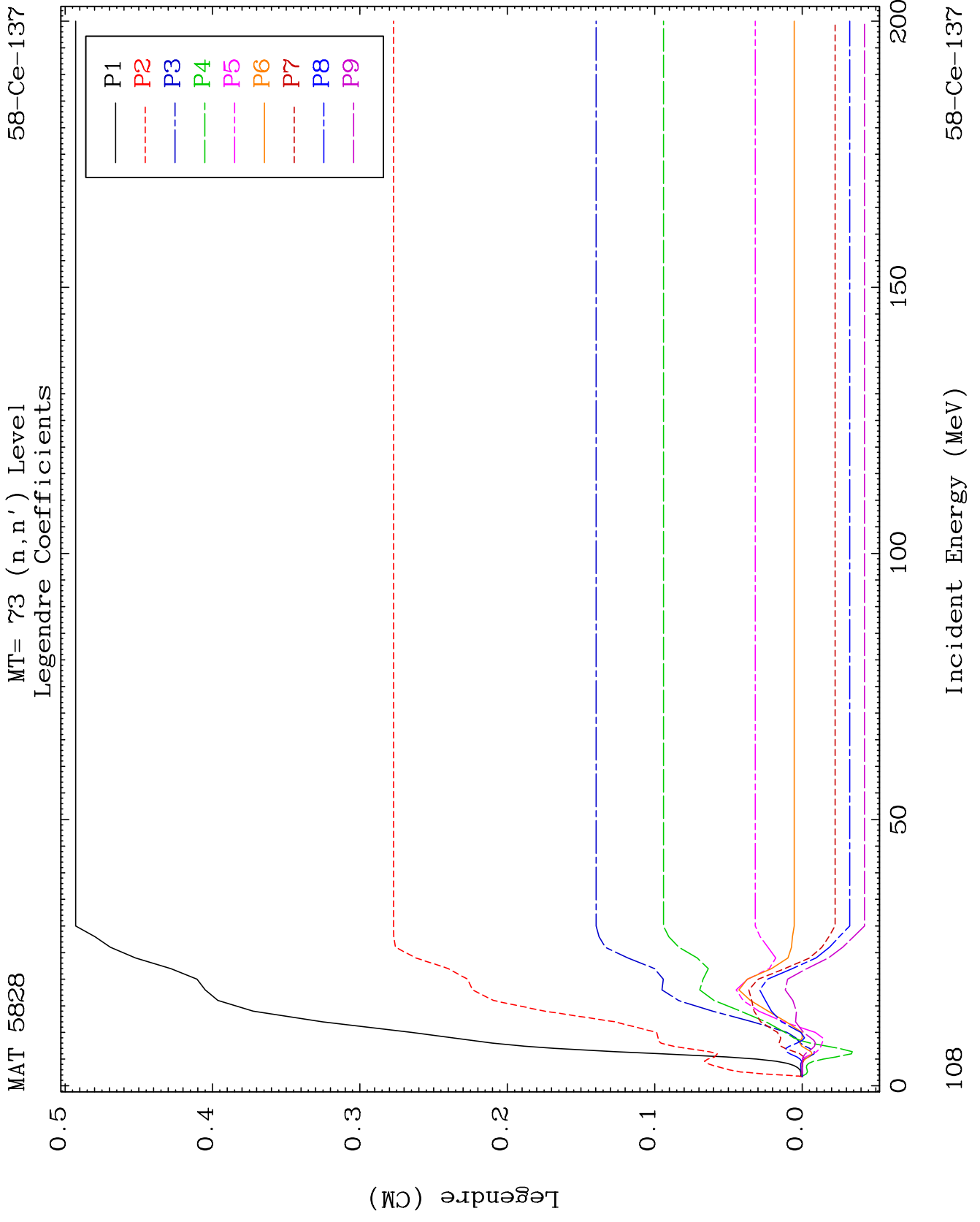
58-Ce-137

Incident Energy (MeV)

0



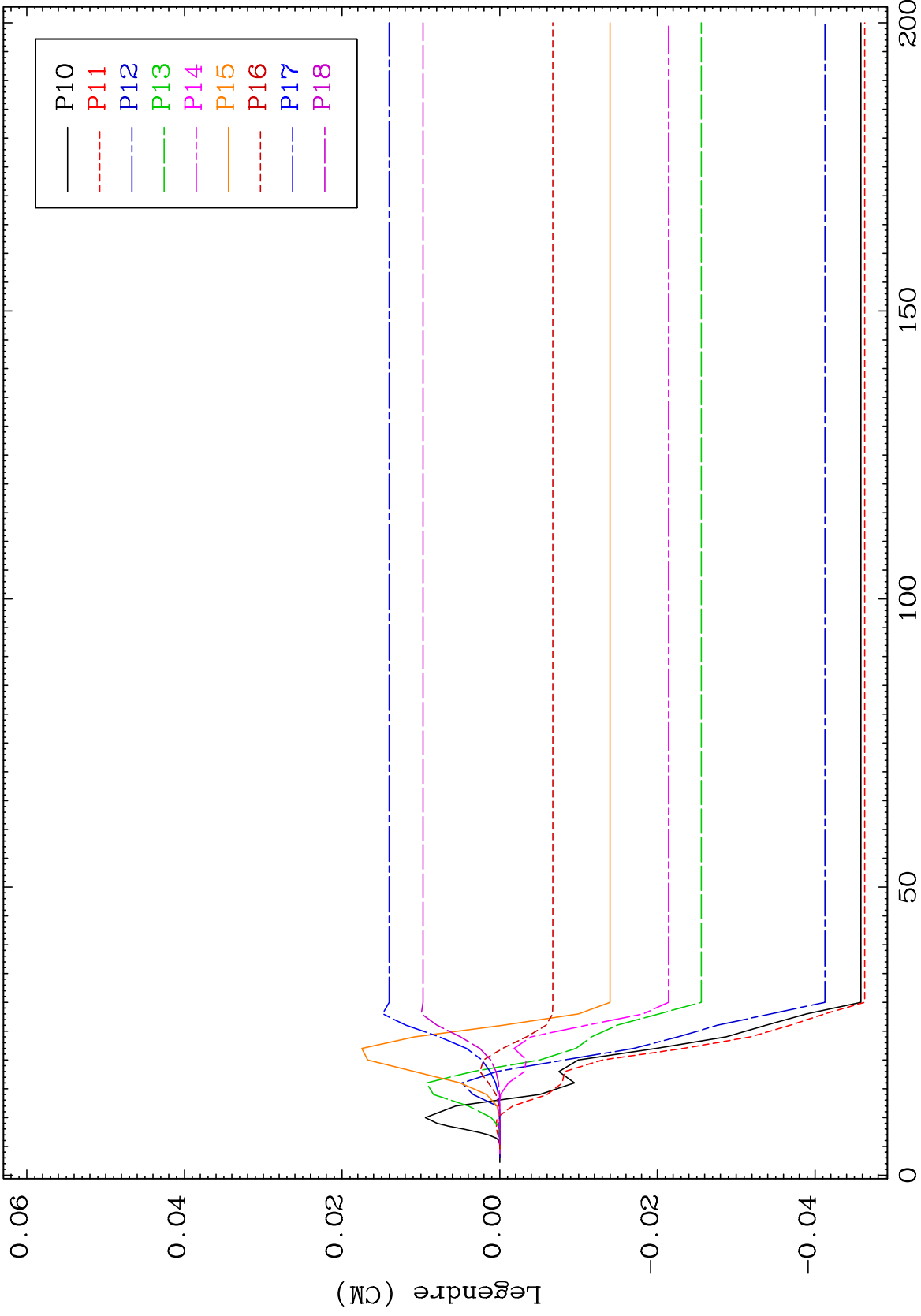




MAT 5828

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

58-Ce-137



109

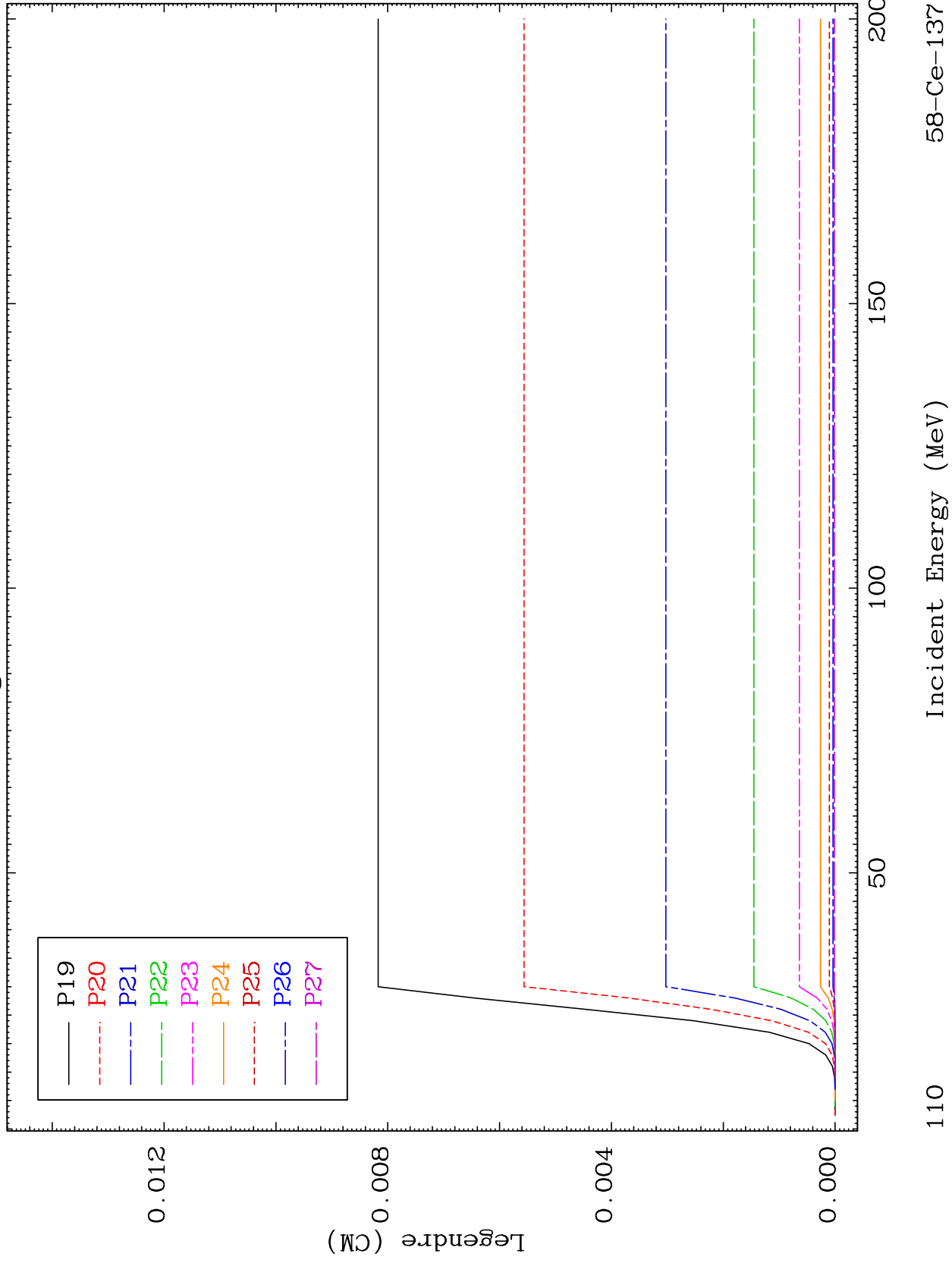
Incident Energy (MeV)

58-Ce-137

MAT 5828

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

58-Ce-137



58-Ce-137

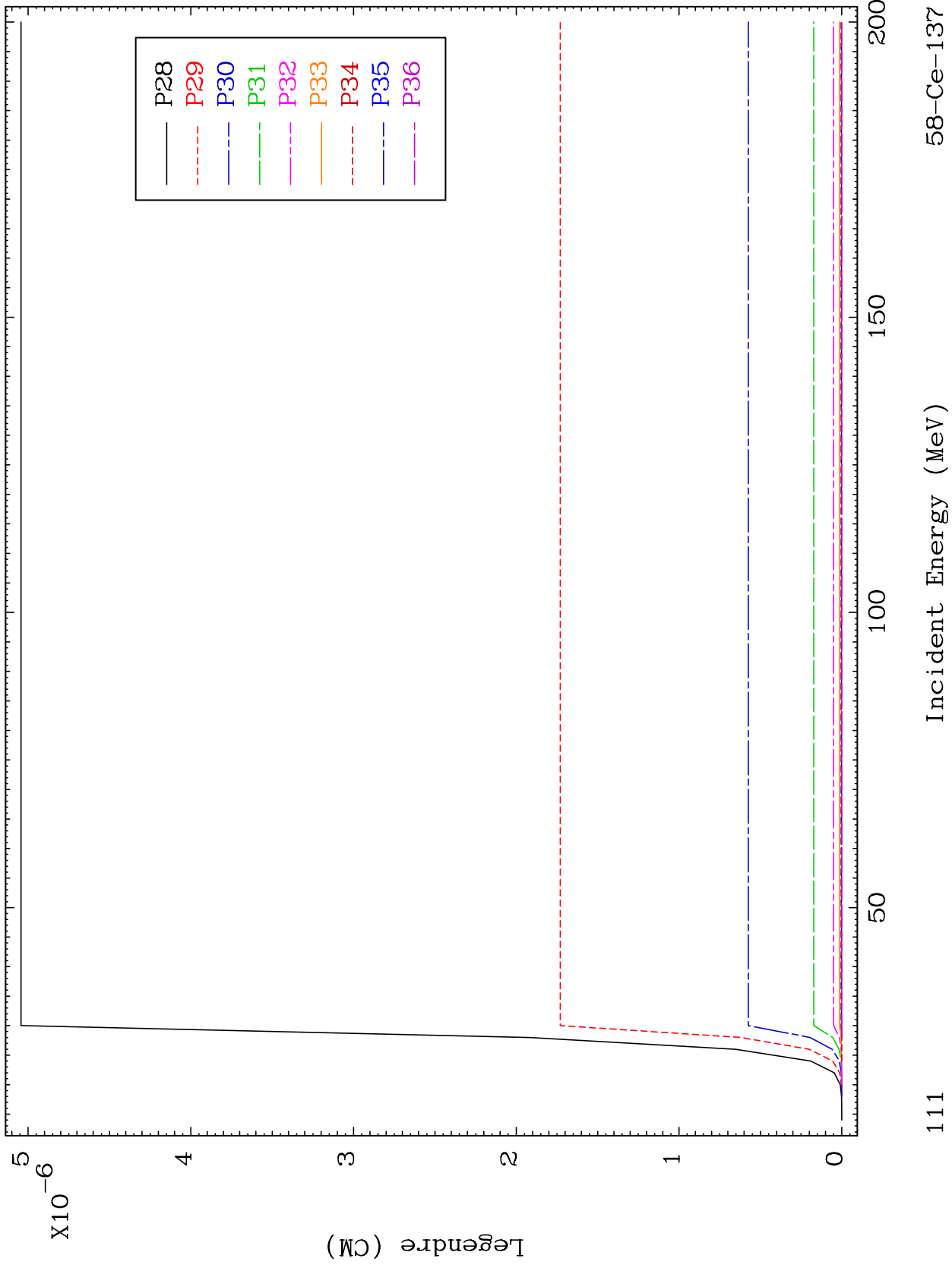
Incident Energy (MeV)

110

MAT 5828

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

58-Ce-137



111

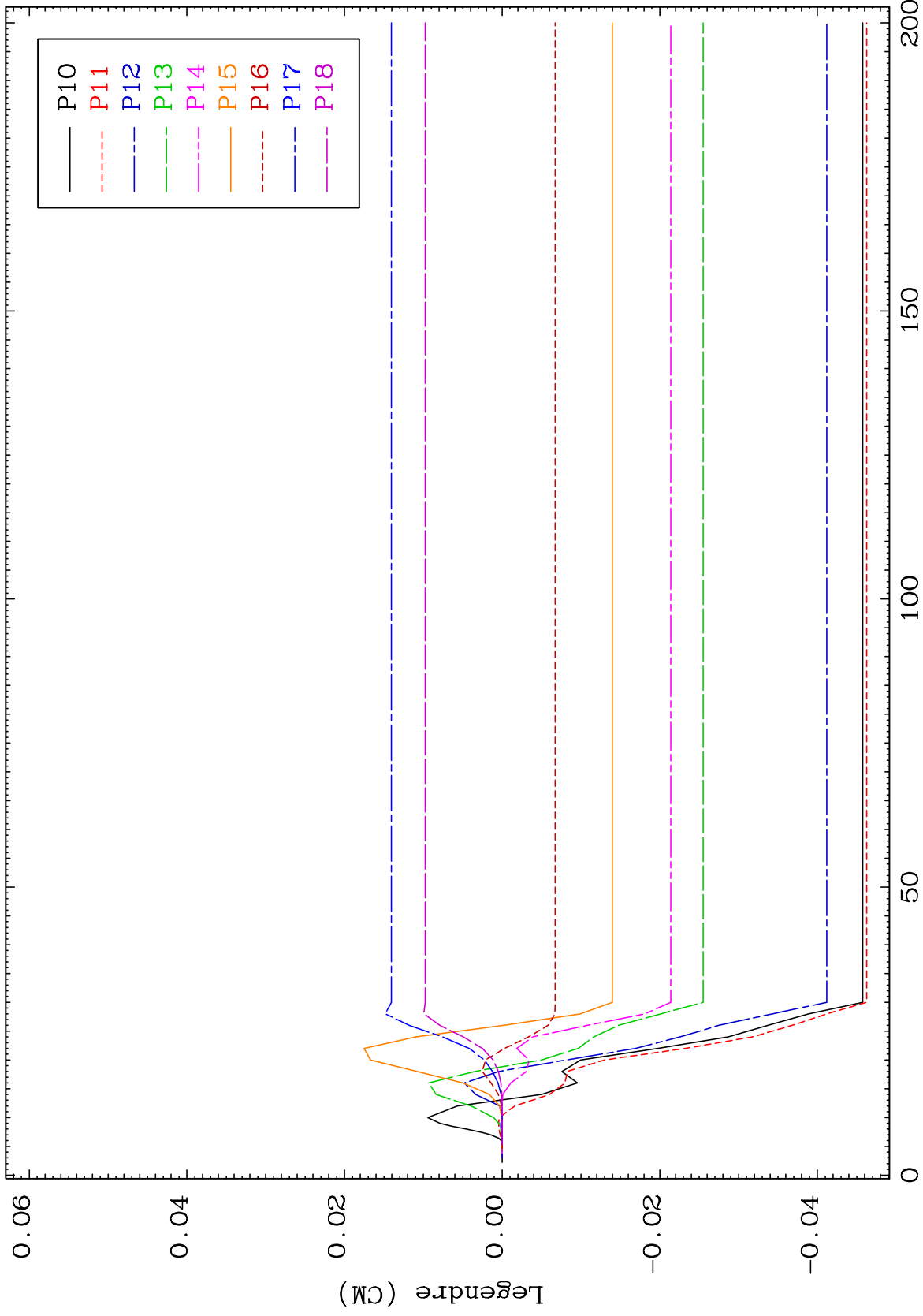




MAT 5828

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

58-Ce-137



113

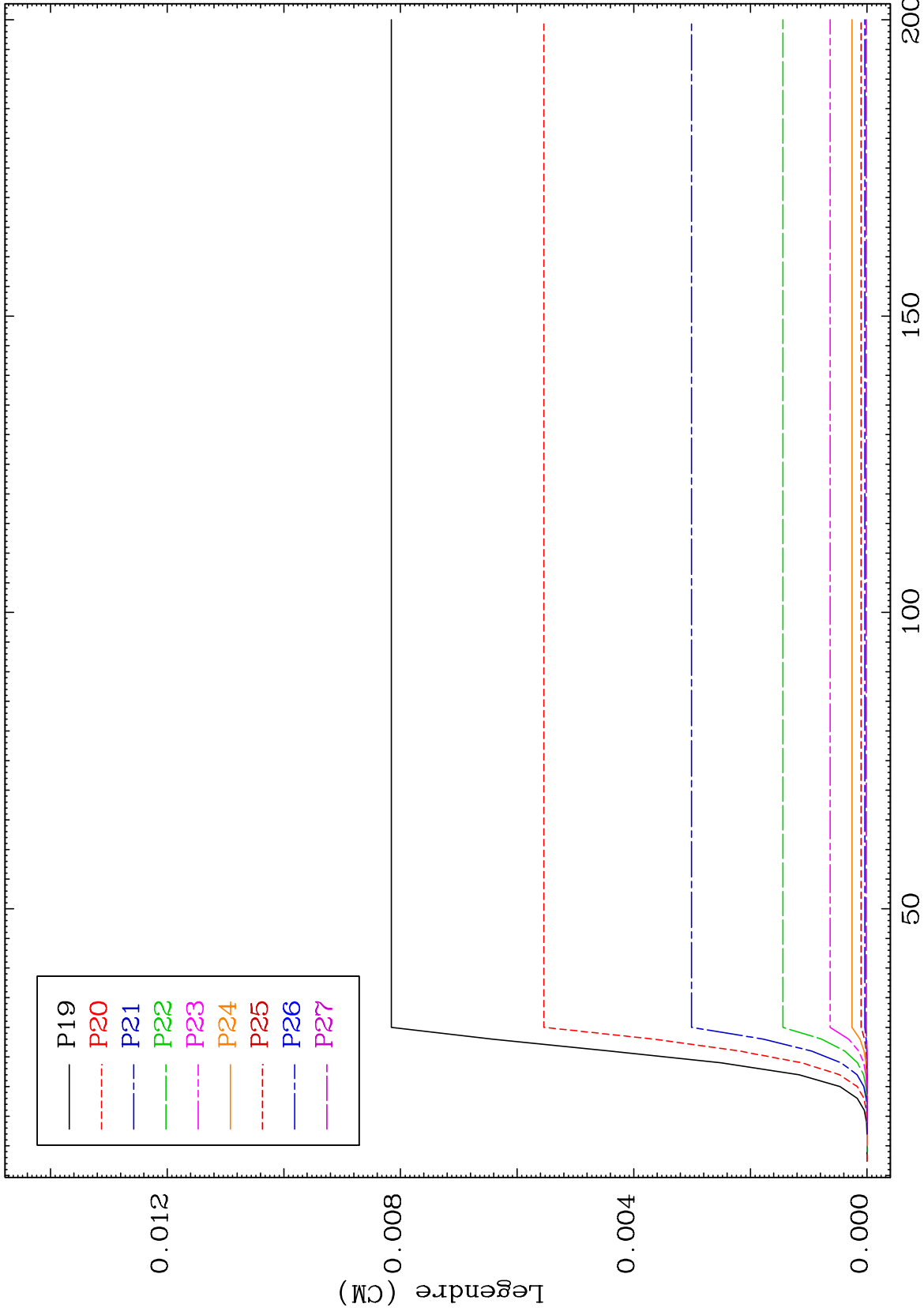
Incident Energy (MeV)

58-Ce-137

MAT 5828

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

58-Ce-137



114

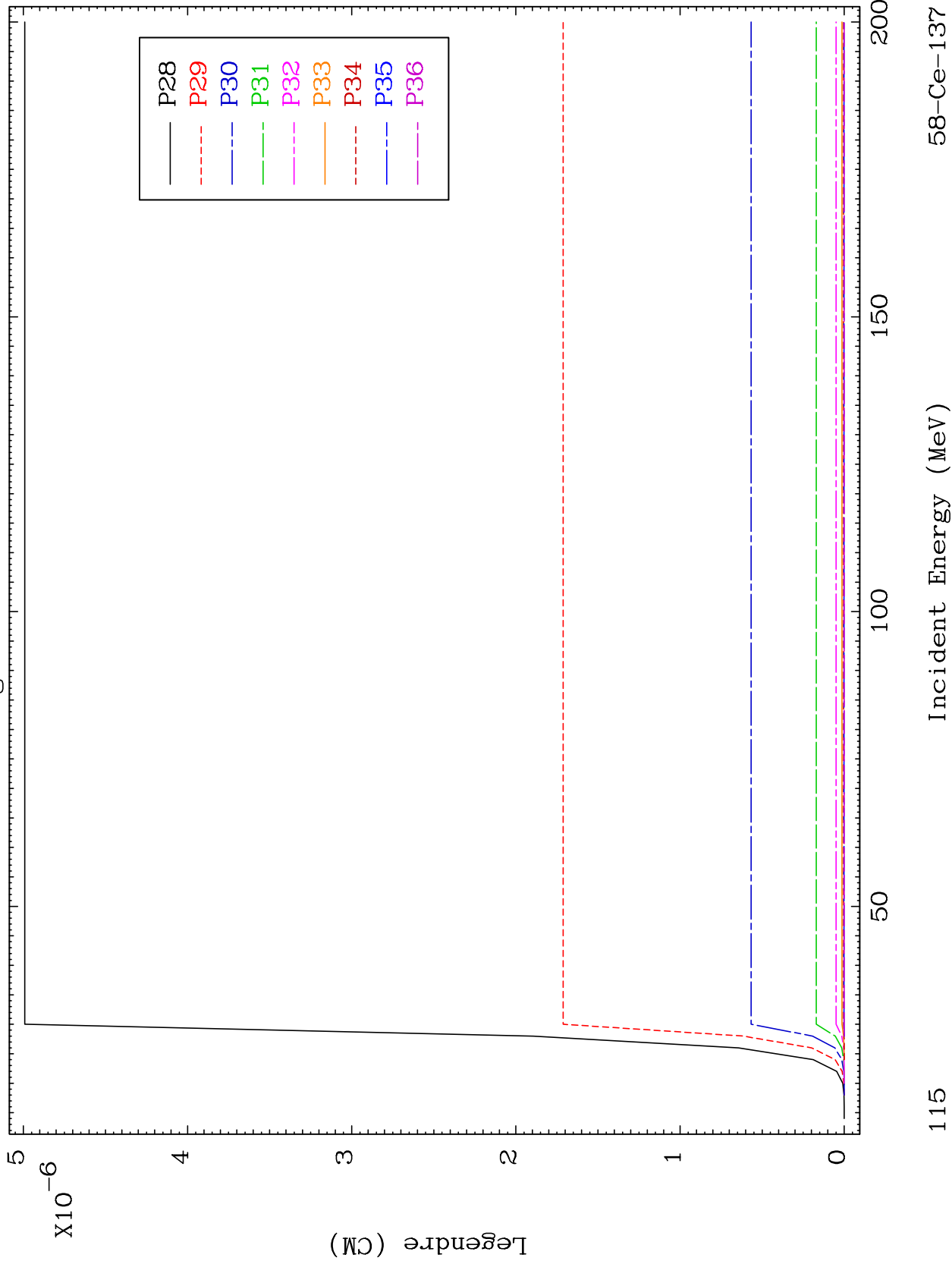
Incident Energy (MeV)

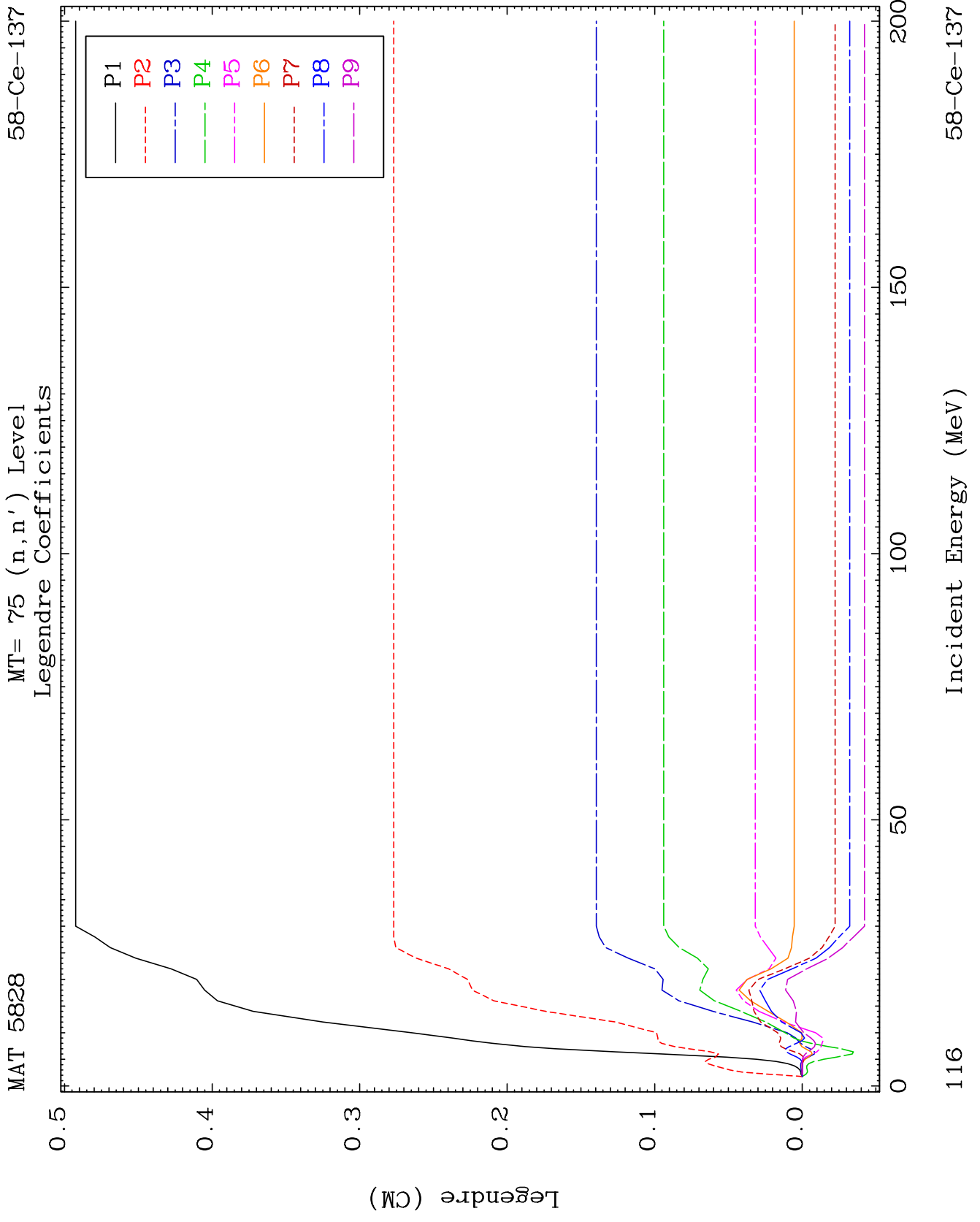
58-Ce-137

MAT 5828

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

58-Ce-137

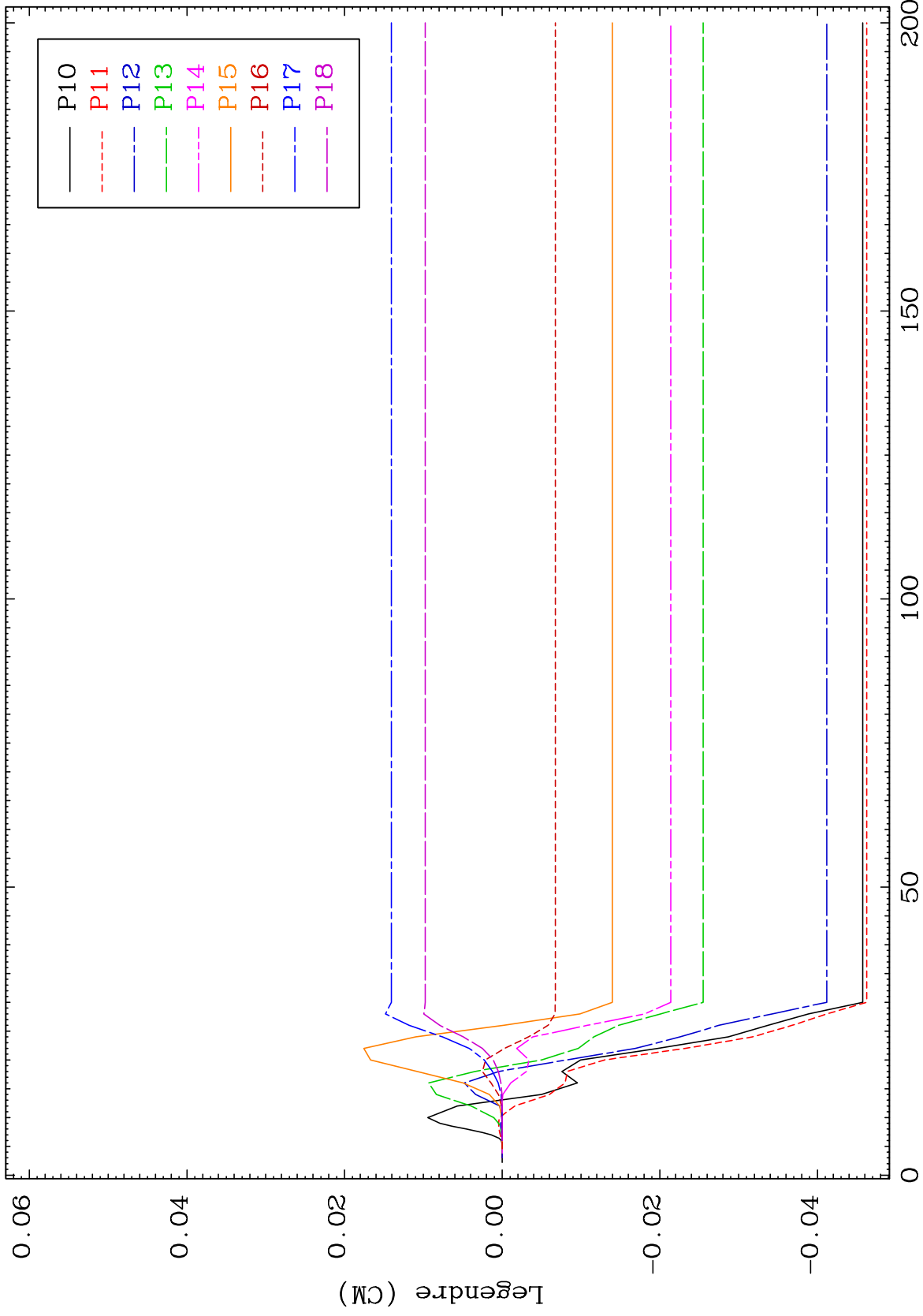




MAT 5828

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

58-Ce-137



117

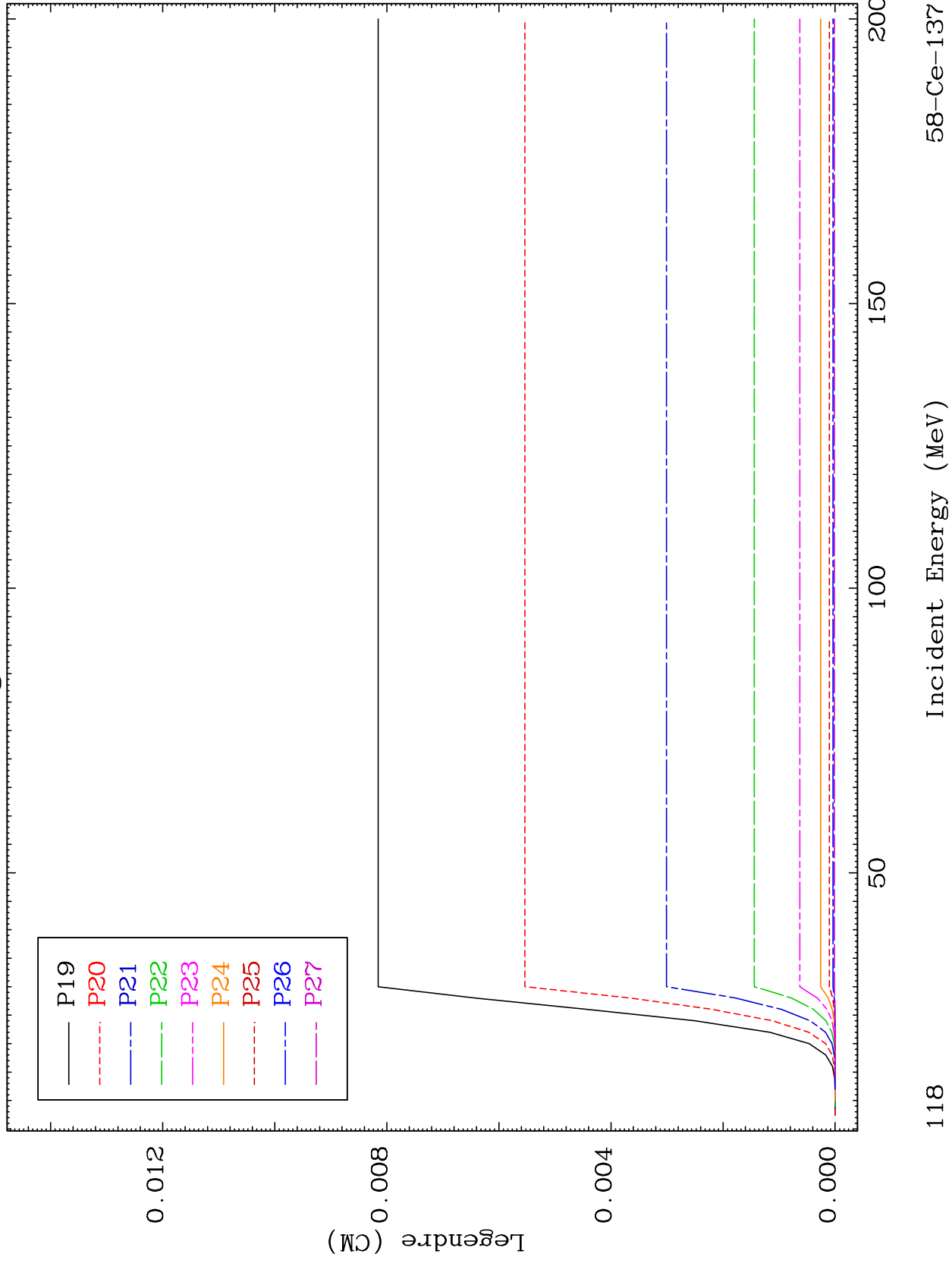
Incident Energy (MeV)

58-Ce-137

MAT 5828

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

58-Ce-137



118

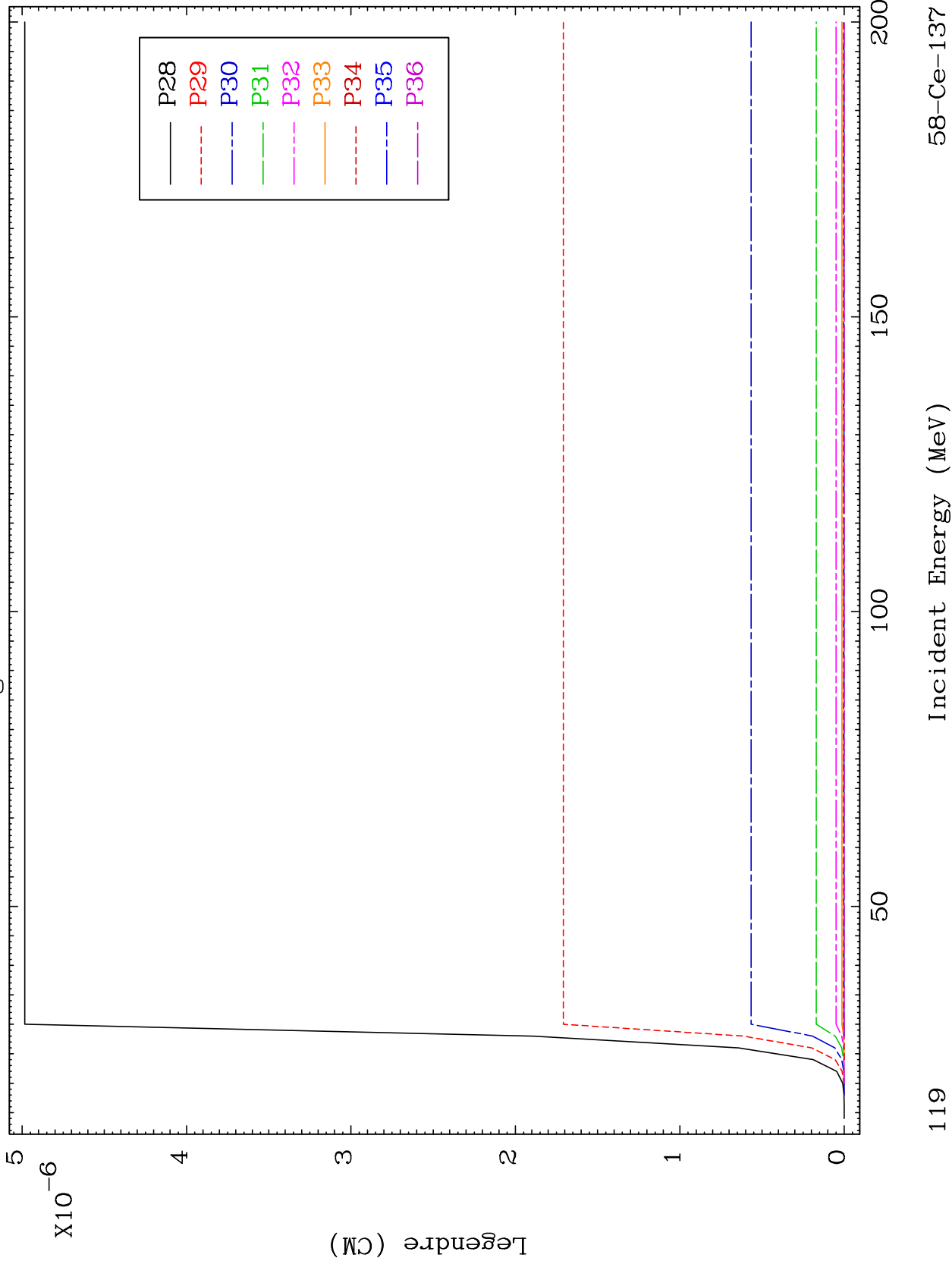
Incident Energy (MeV)

58-Ce-137

MAT 5828

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

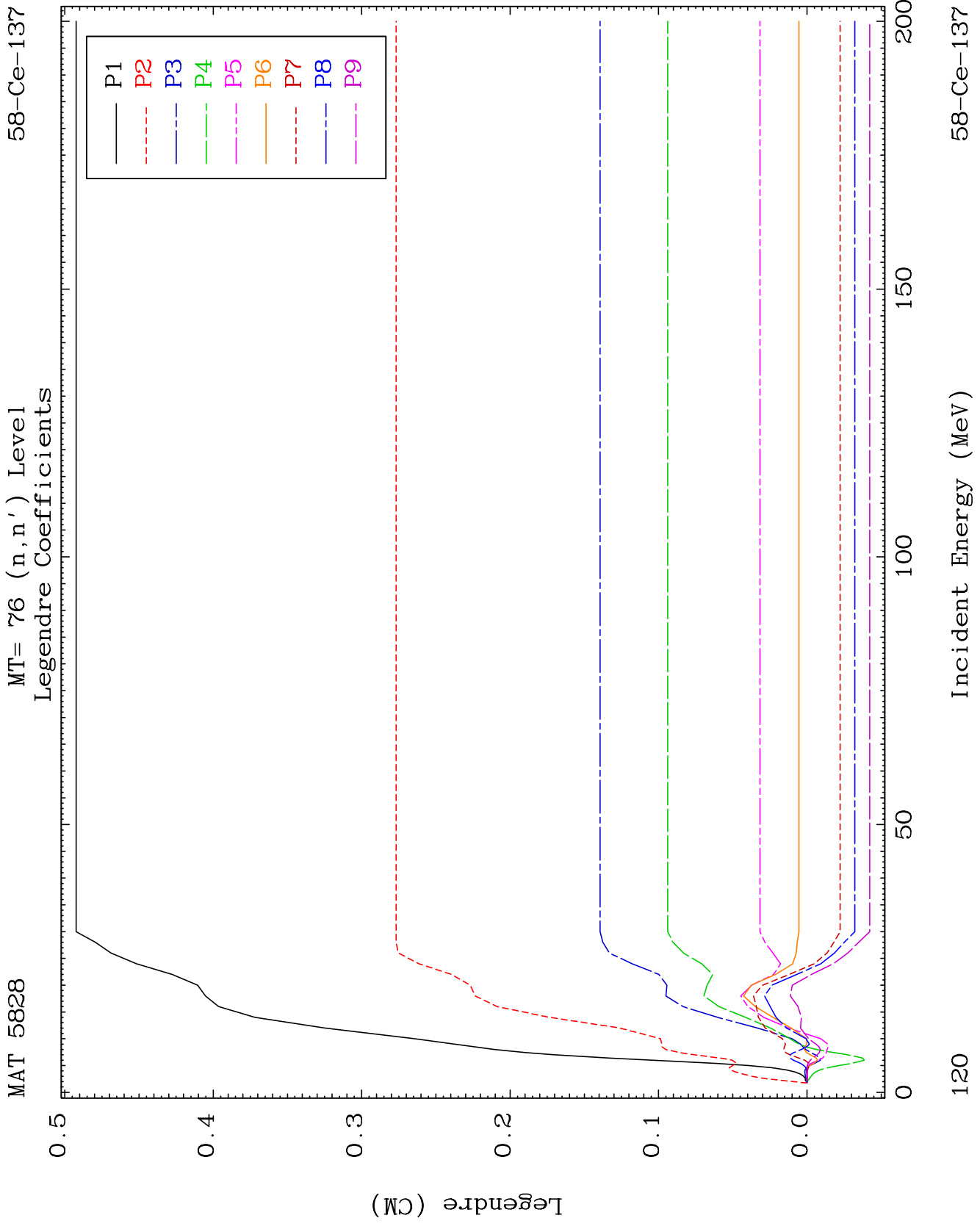
58-Ce-137



119

58-Ce-137

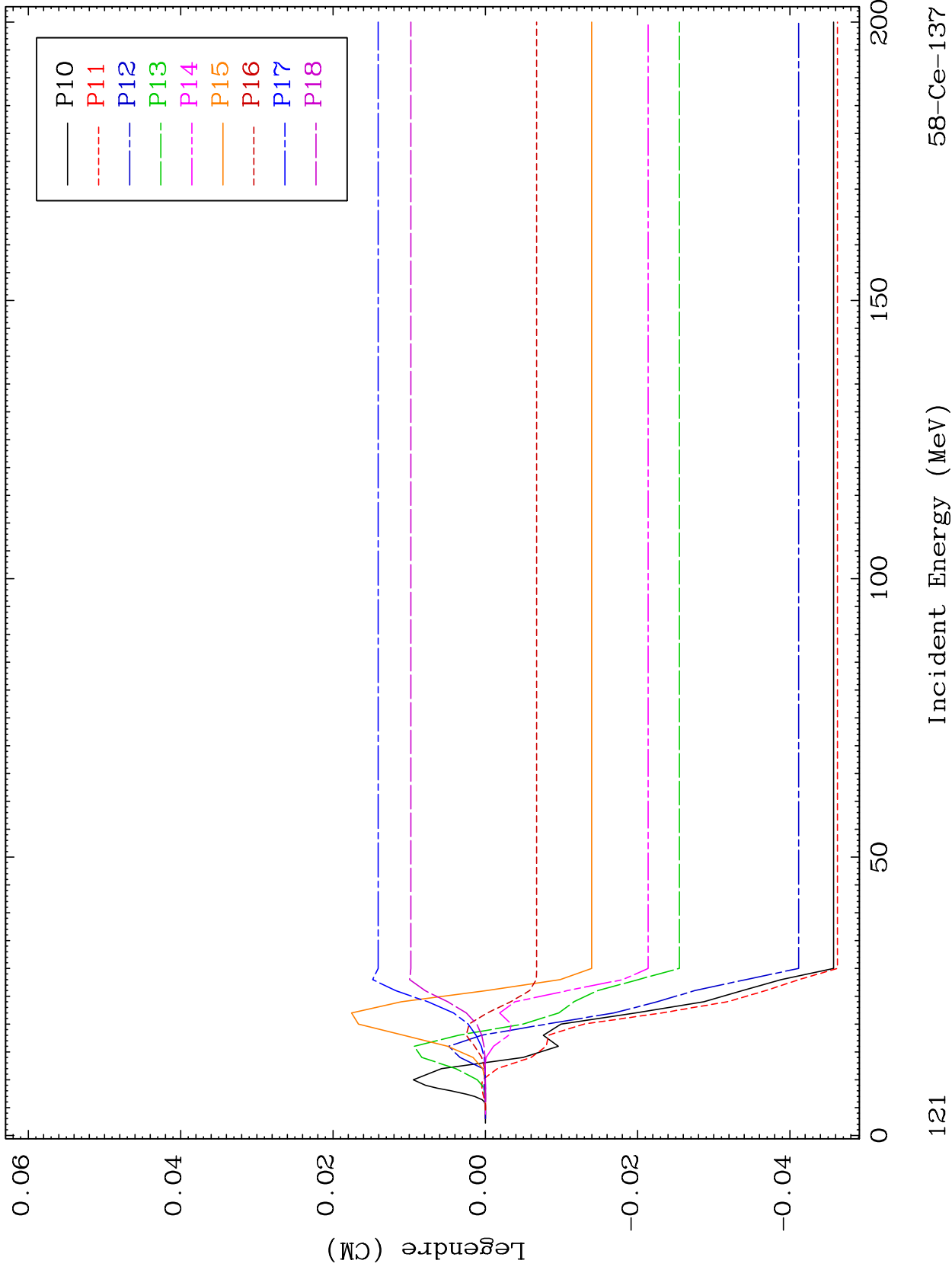




MAT 5828

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

58-Ce-137



58-Ce-137

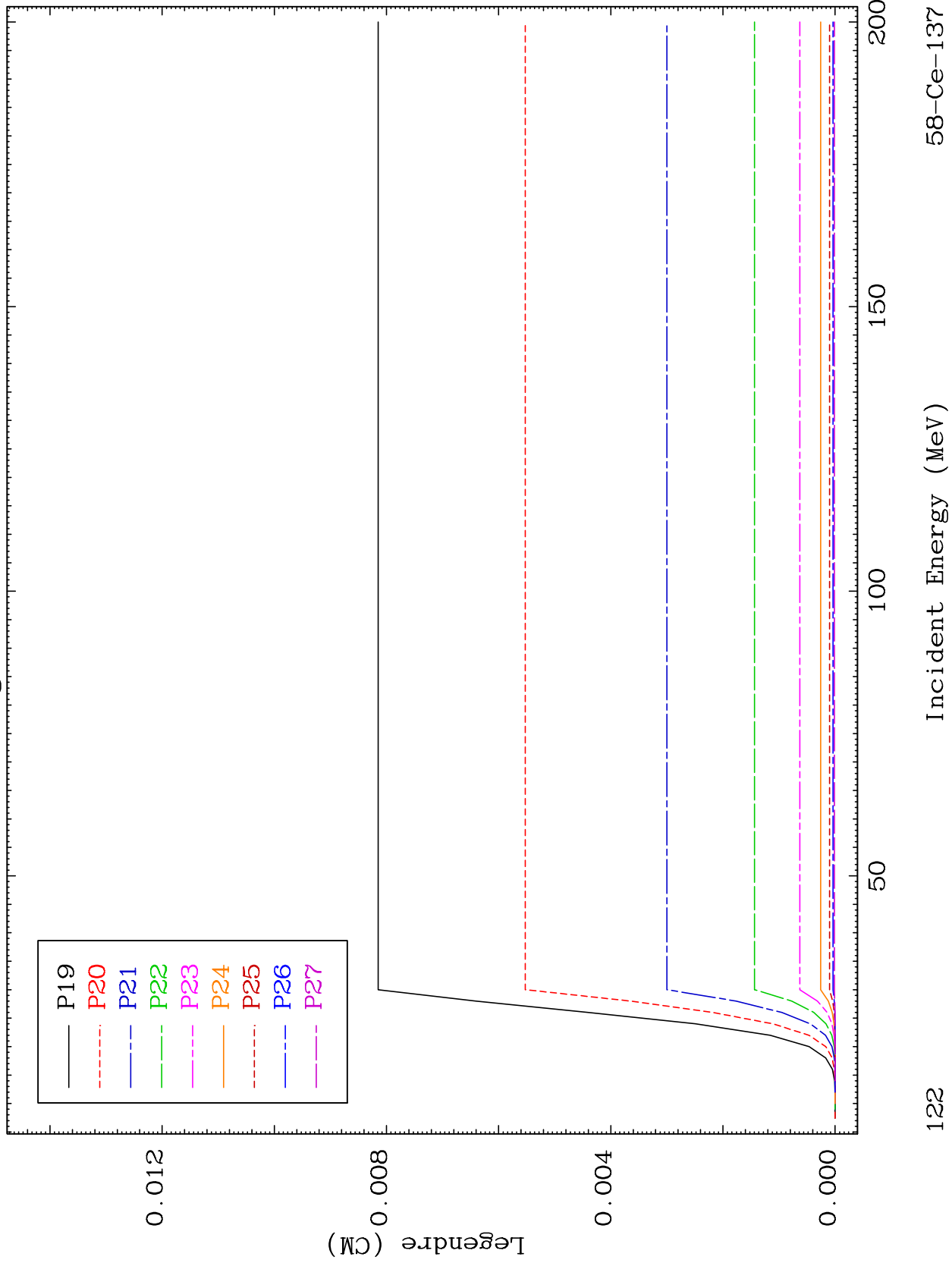
Incident Energy (MeV)

121

MAT 5828

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

58-Ce-137



122

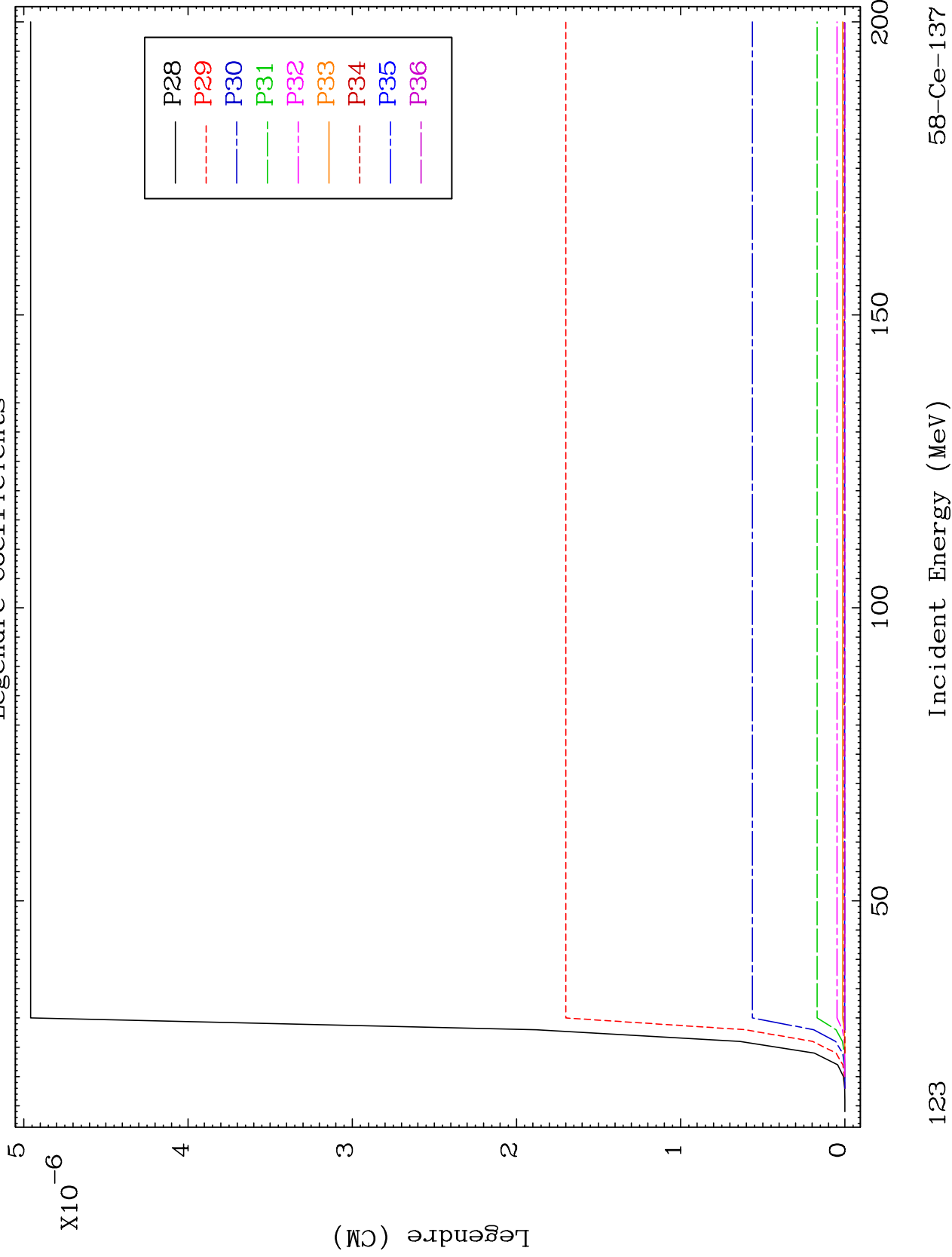
Incident Energy (MeV)

58-Ce-137

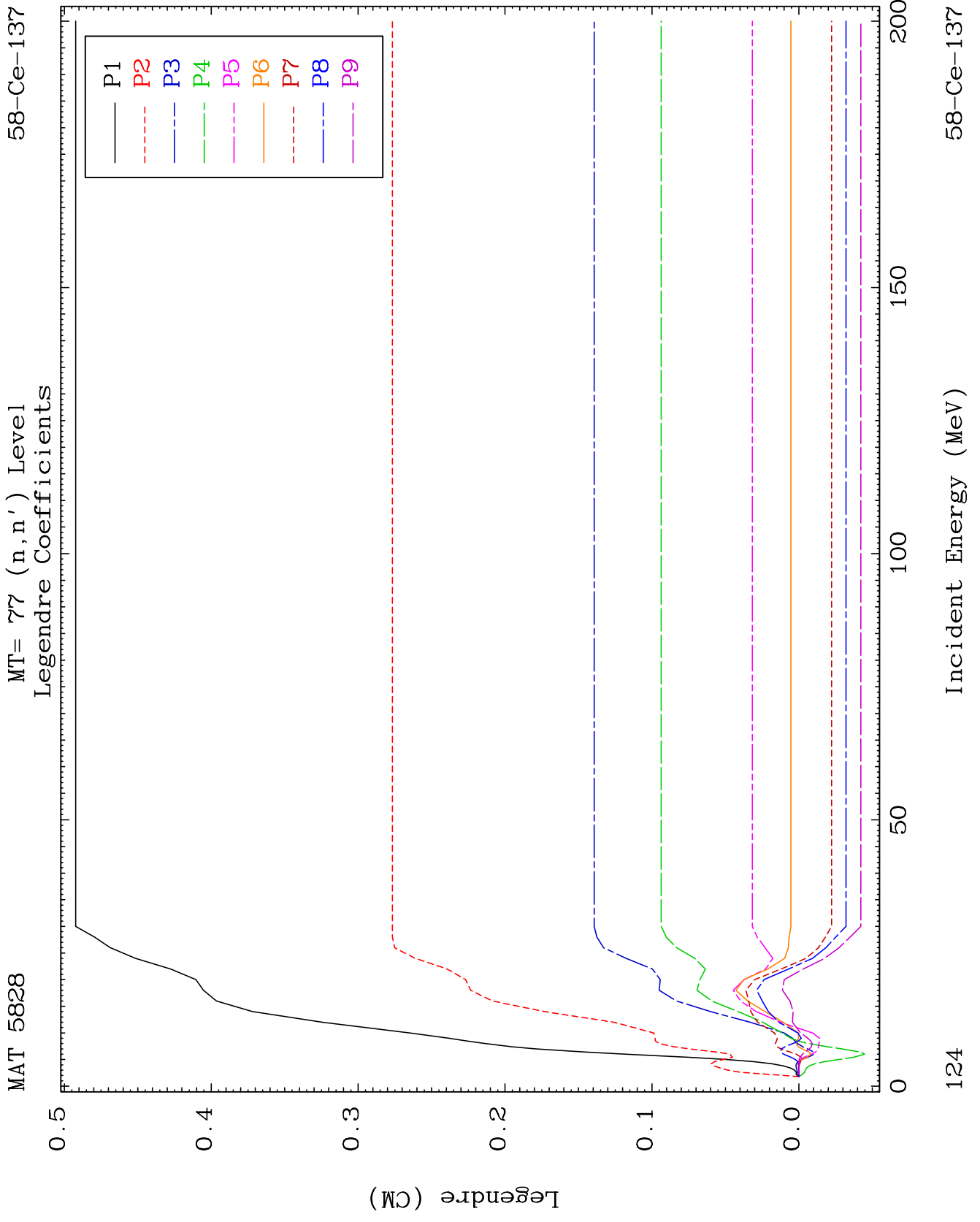
MAT 5828

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

58-Ce-137



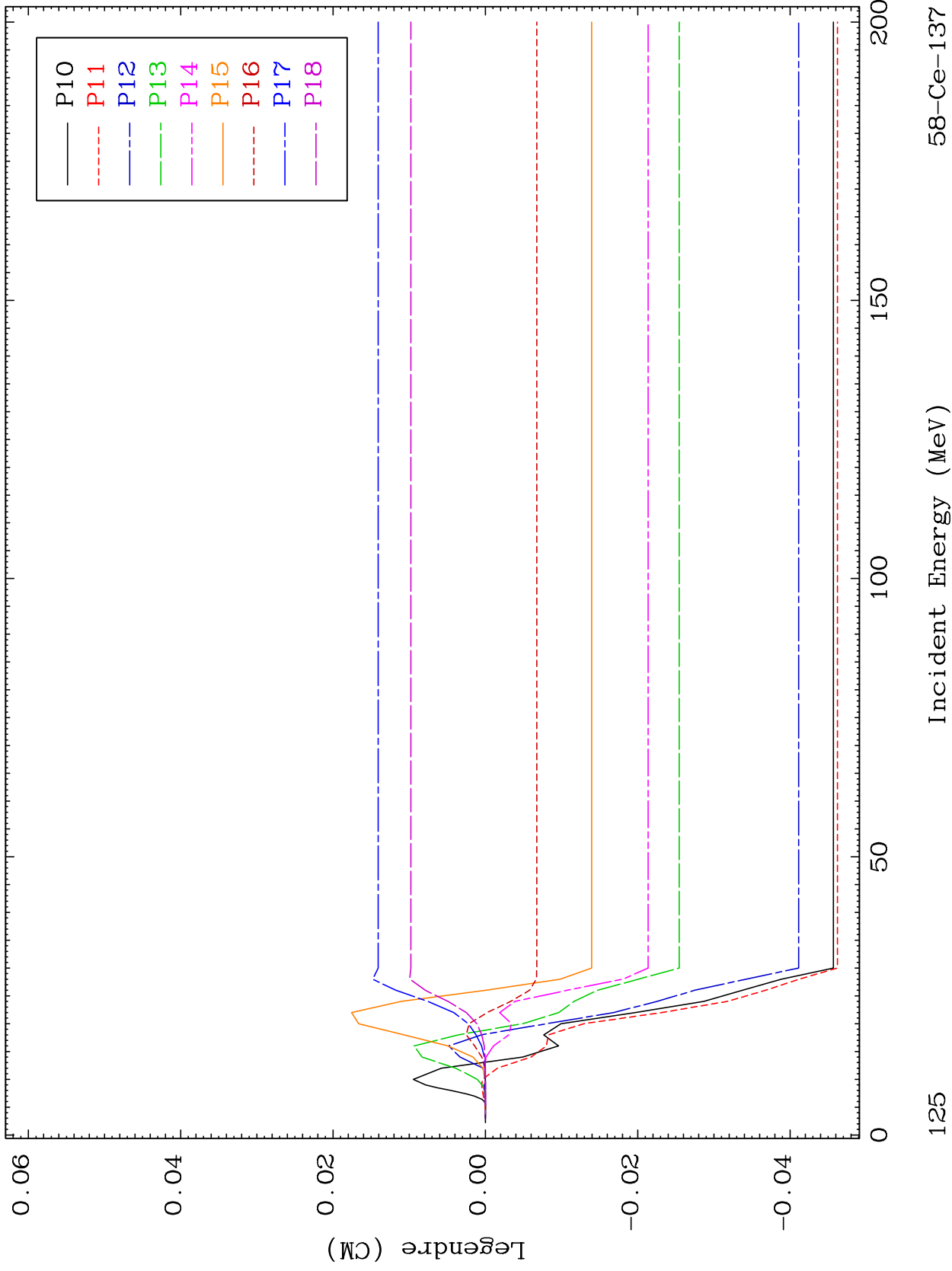
123



MAT 5828

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

58-Ce-137



58-Ce-137

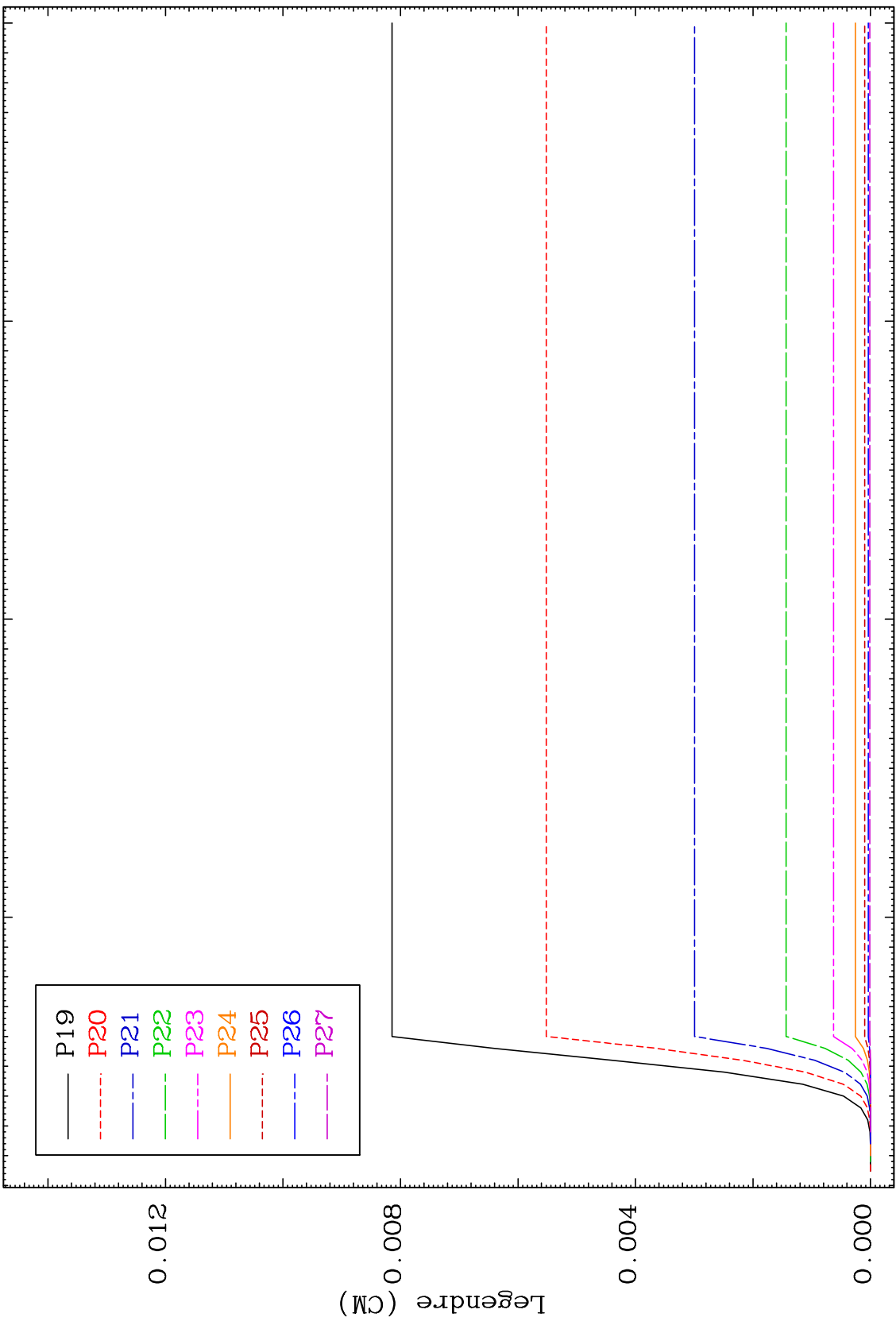
Incident Energy (MeV)

125

MAT 5828

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

58-Ce-137



126

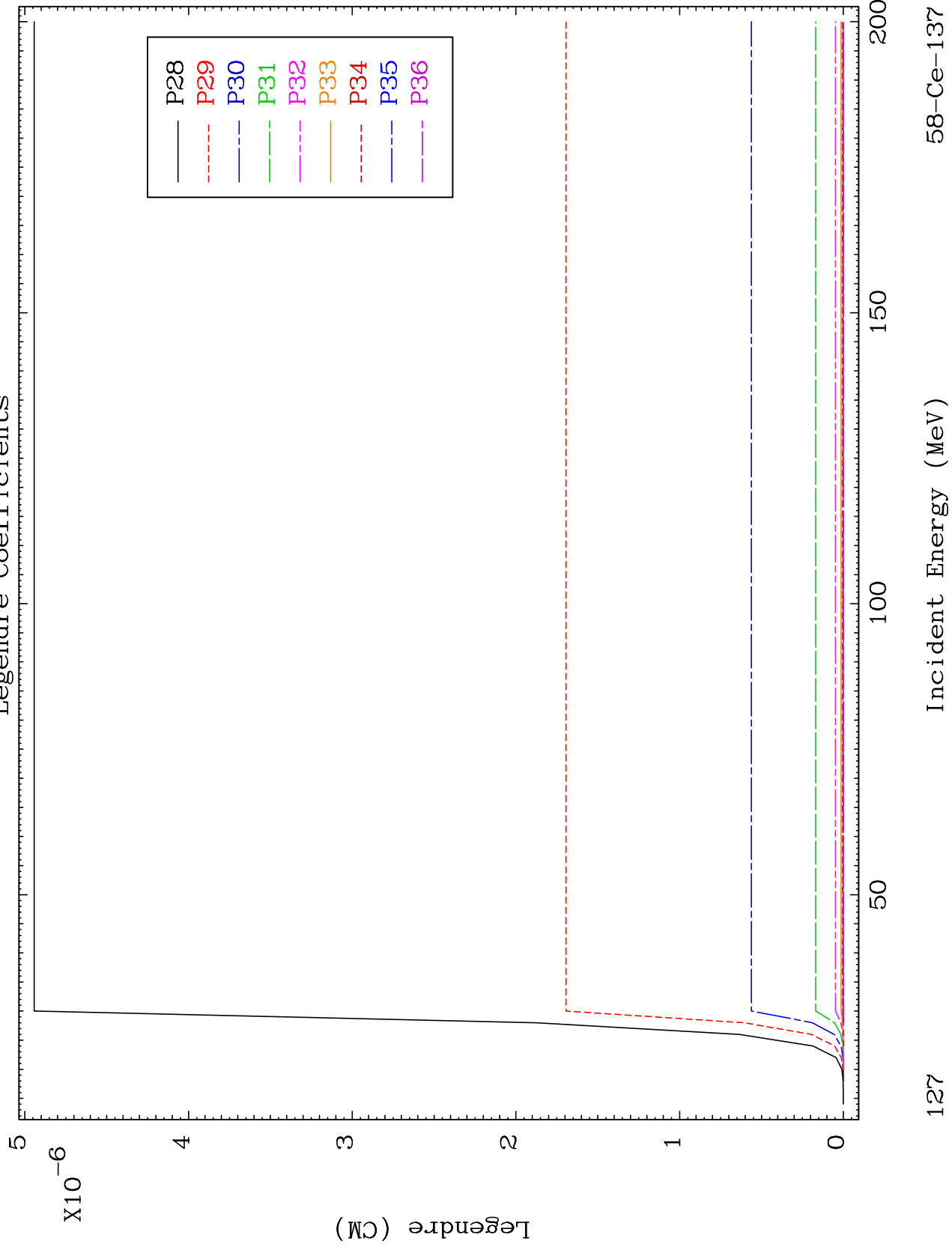
Incident Energy (MeV)

58-Ce-137

MAT 5828

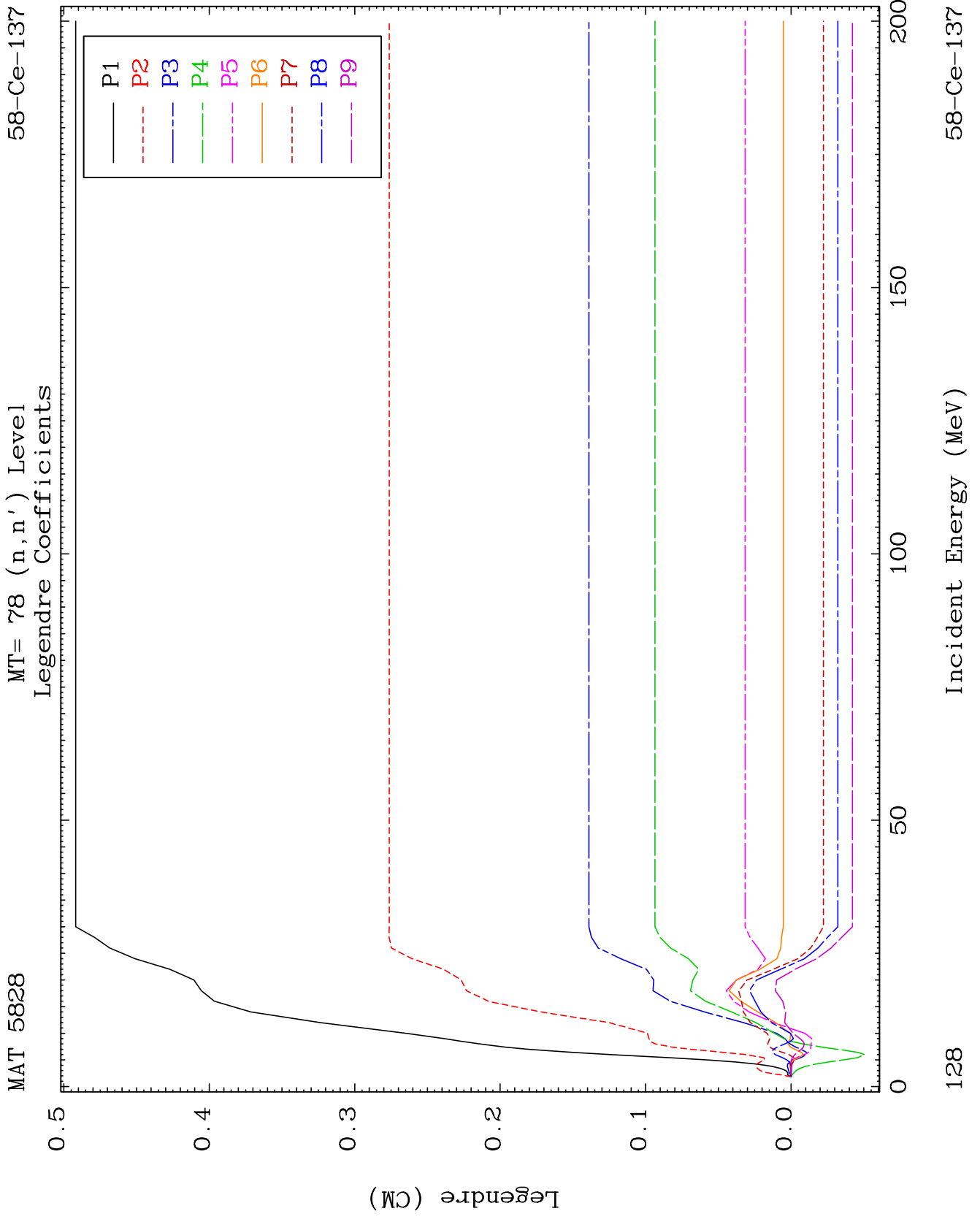
MT= 77 (n,n') Level  
Legendre Coefficients

58-Ce-137



127

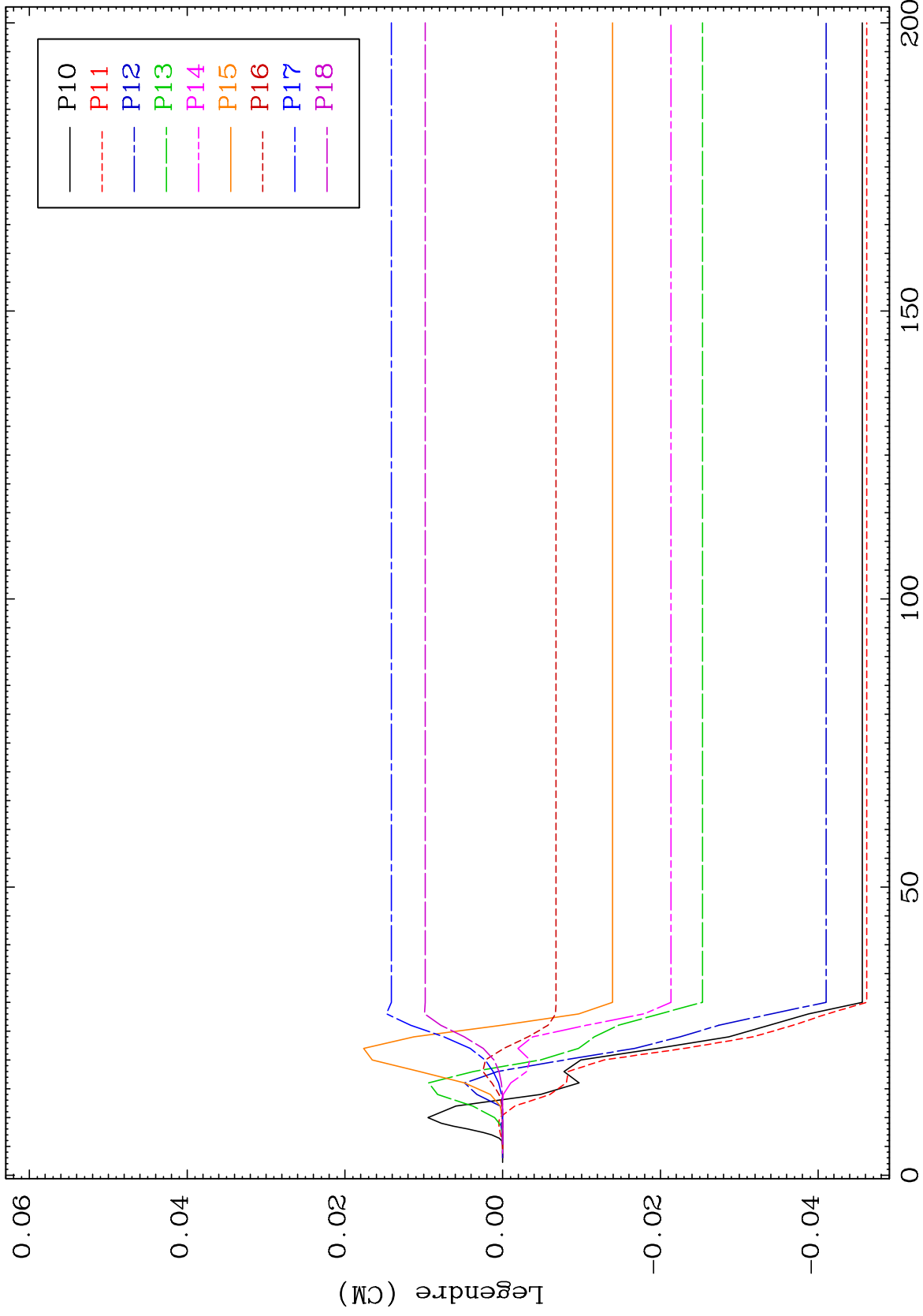




MAT 5828

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

58-Ce-137



129

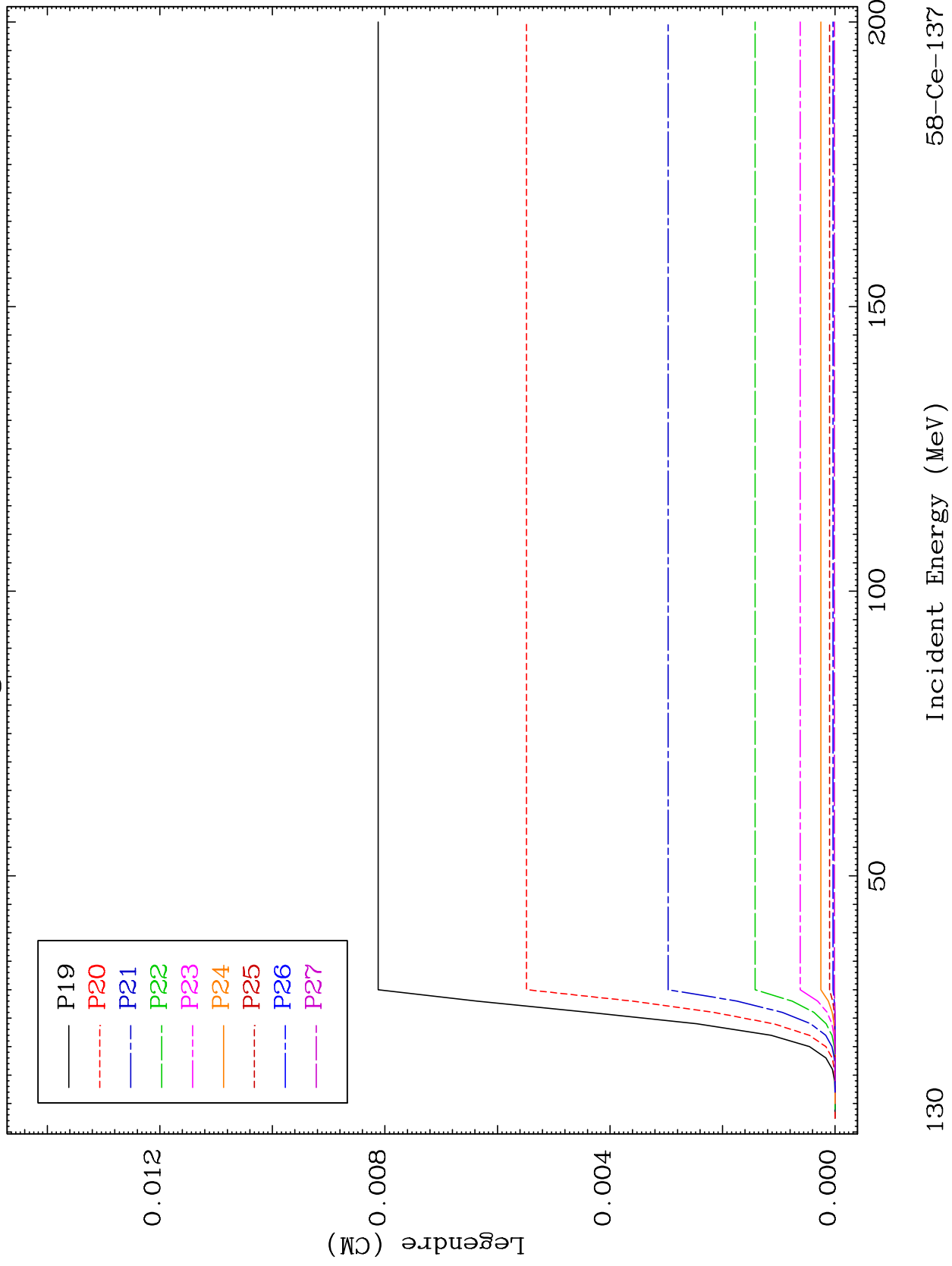
Incident Energy (MeV)

58-Ce-137

MAT 5828

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

58-Ce-137



58-Ce-137

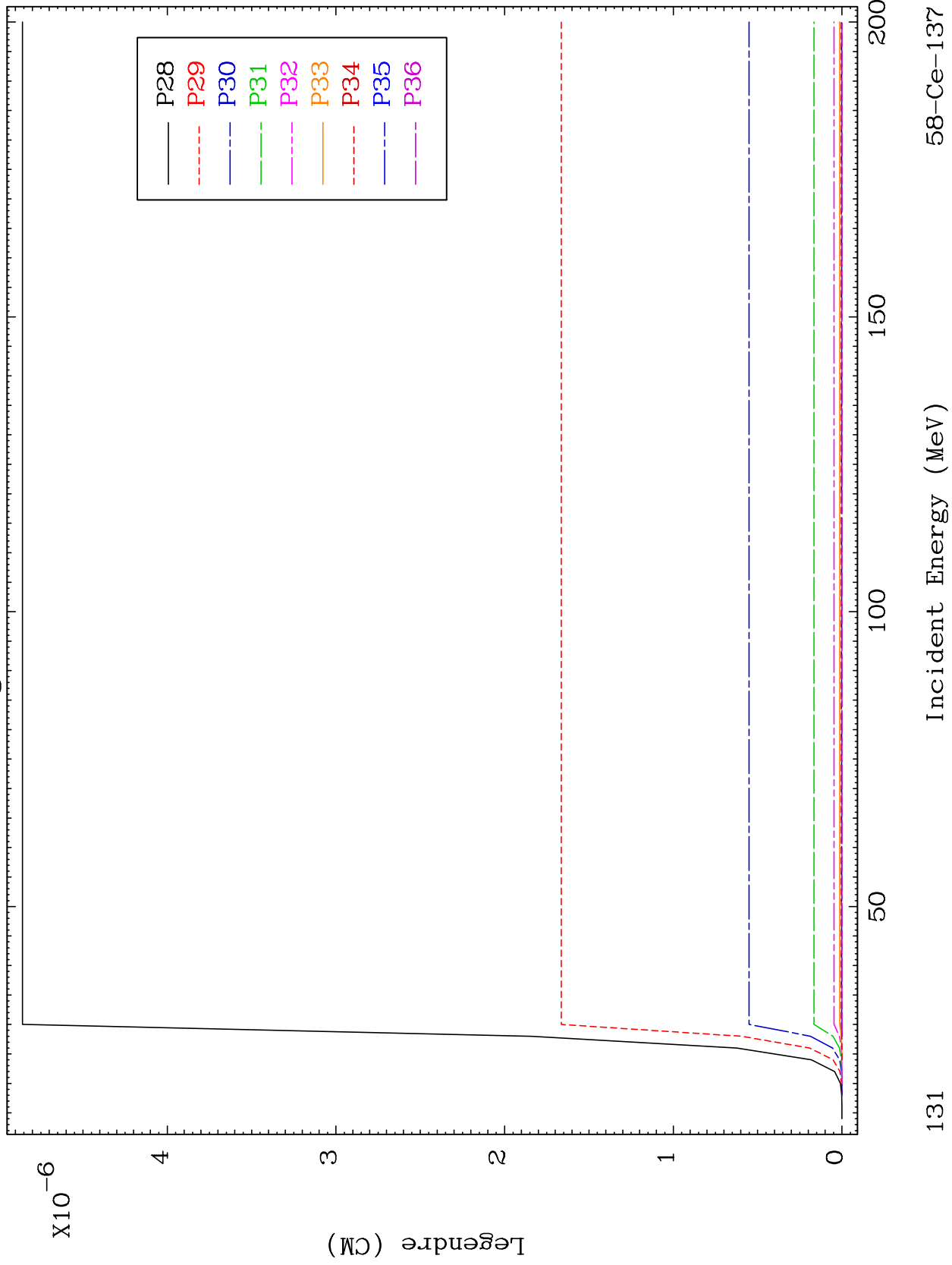
Incident Energy (MeV)

130

MAT 5828

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

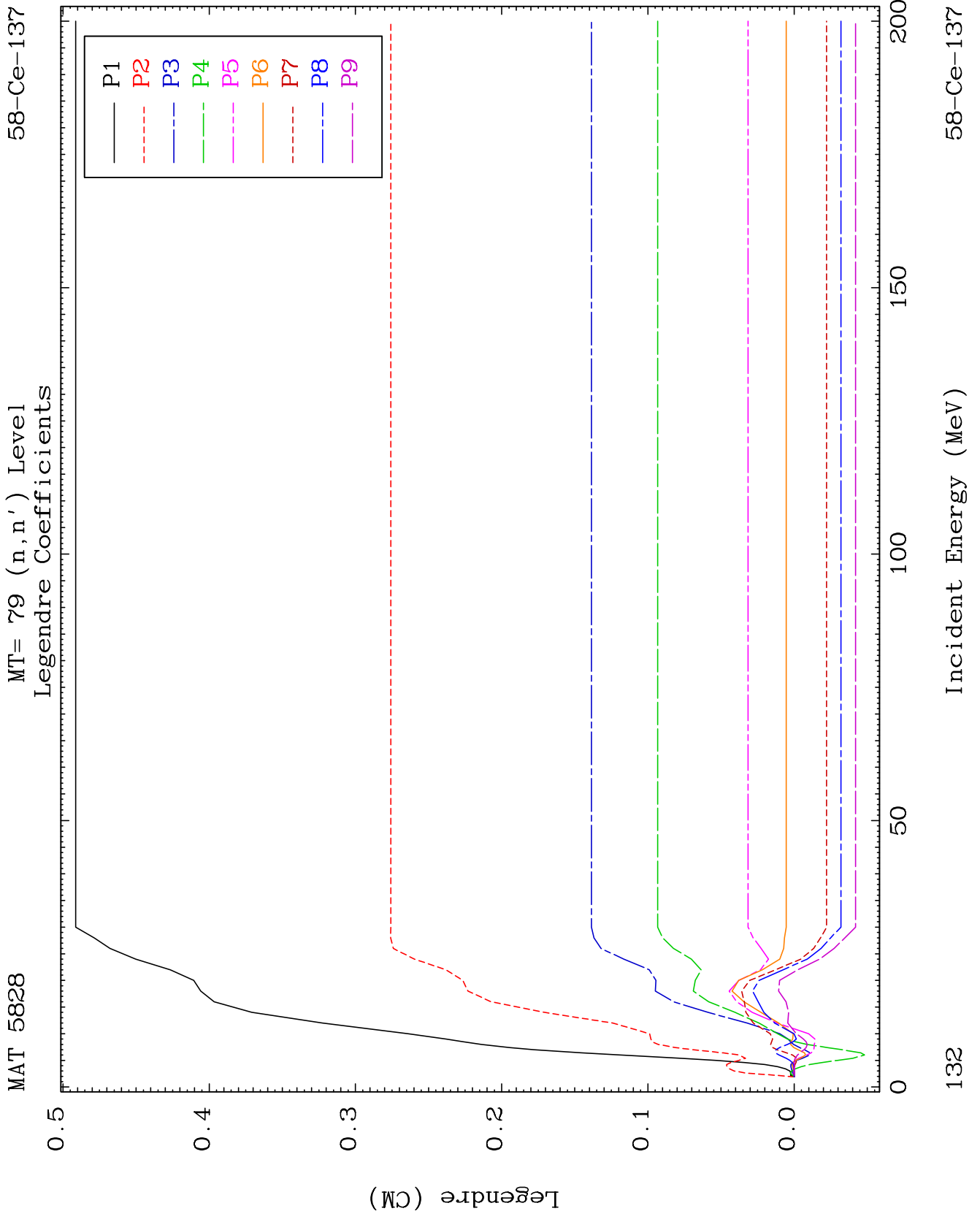
58-Ce-137



131

Incident Energy (MeV)

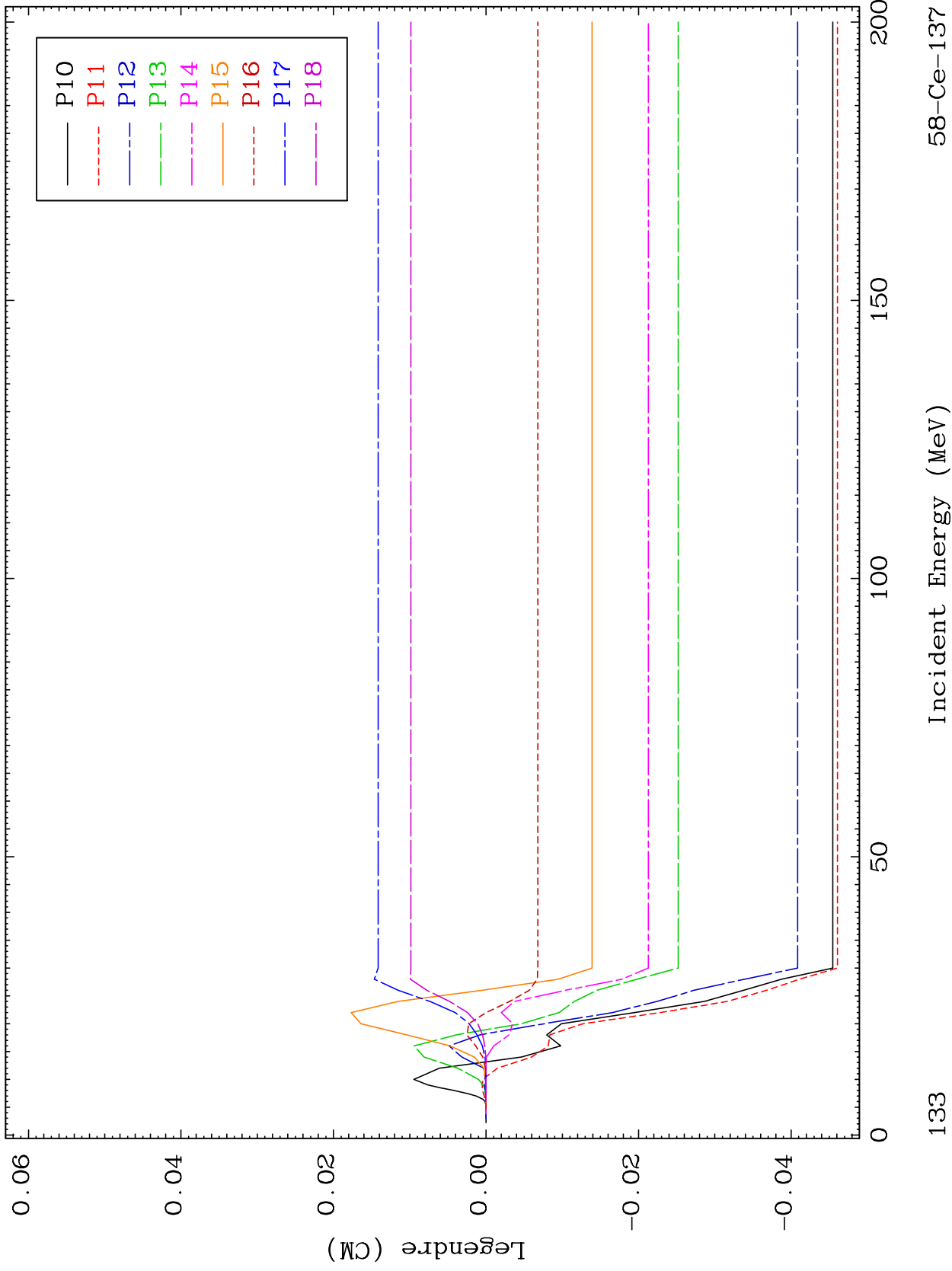
58-Ce-137



MAT 5828

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

58-Ce-137



58-Ce-137

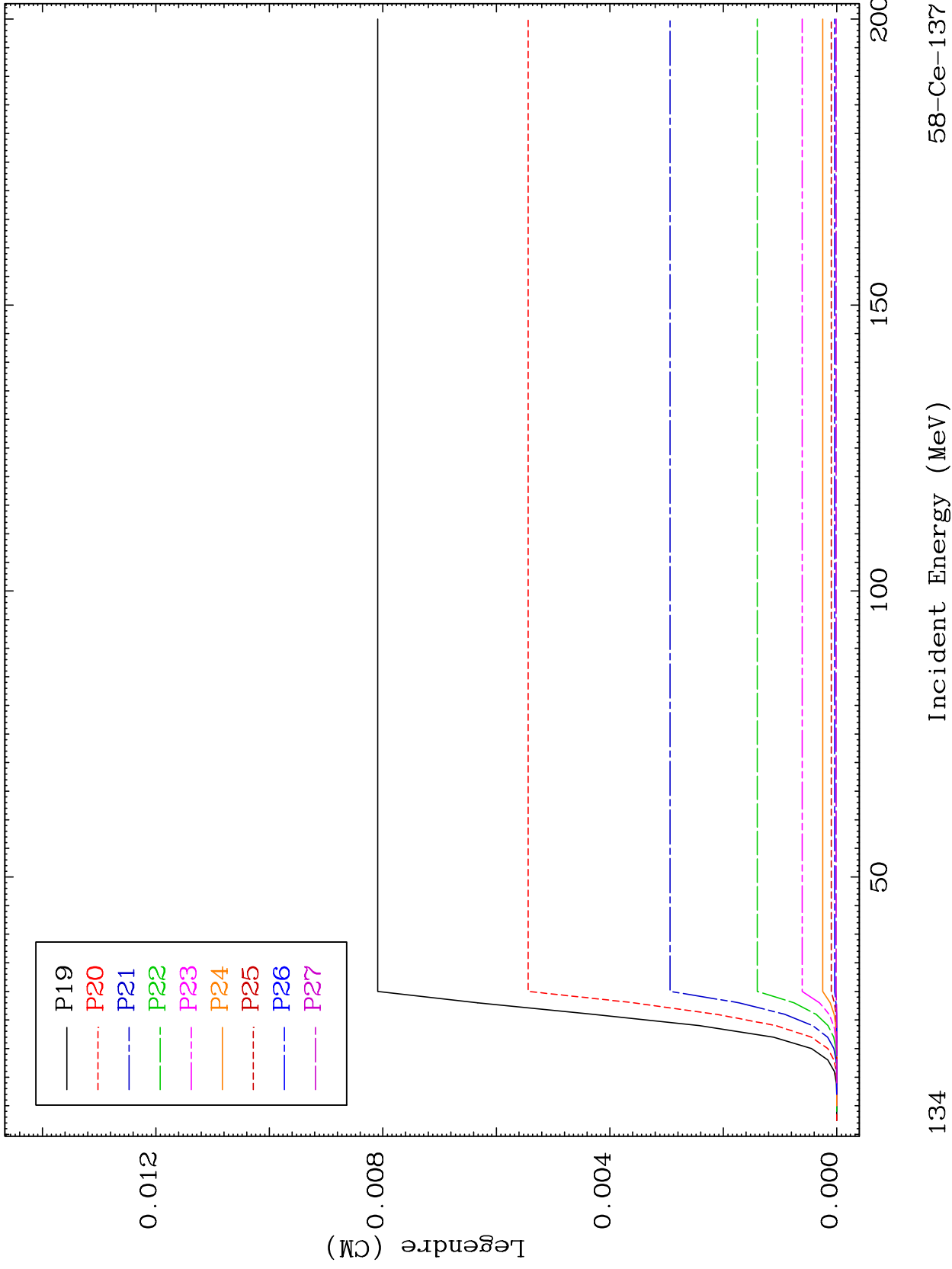
Incident Energy (MeV)

133

MAT 5828

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

58-Ce-137



134

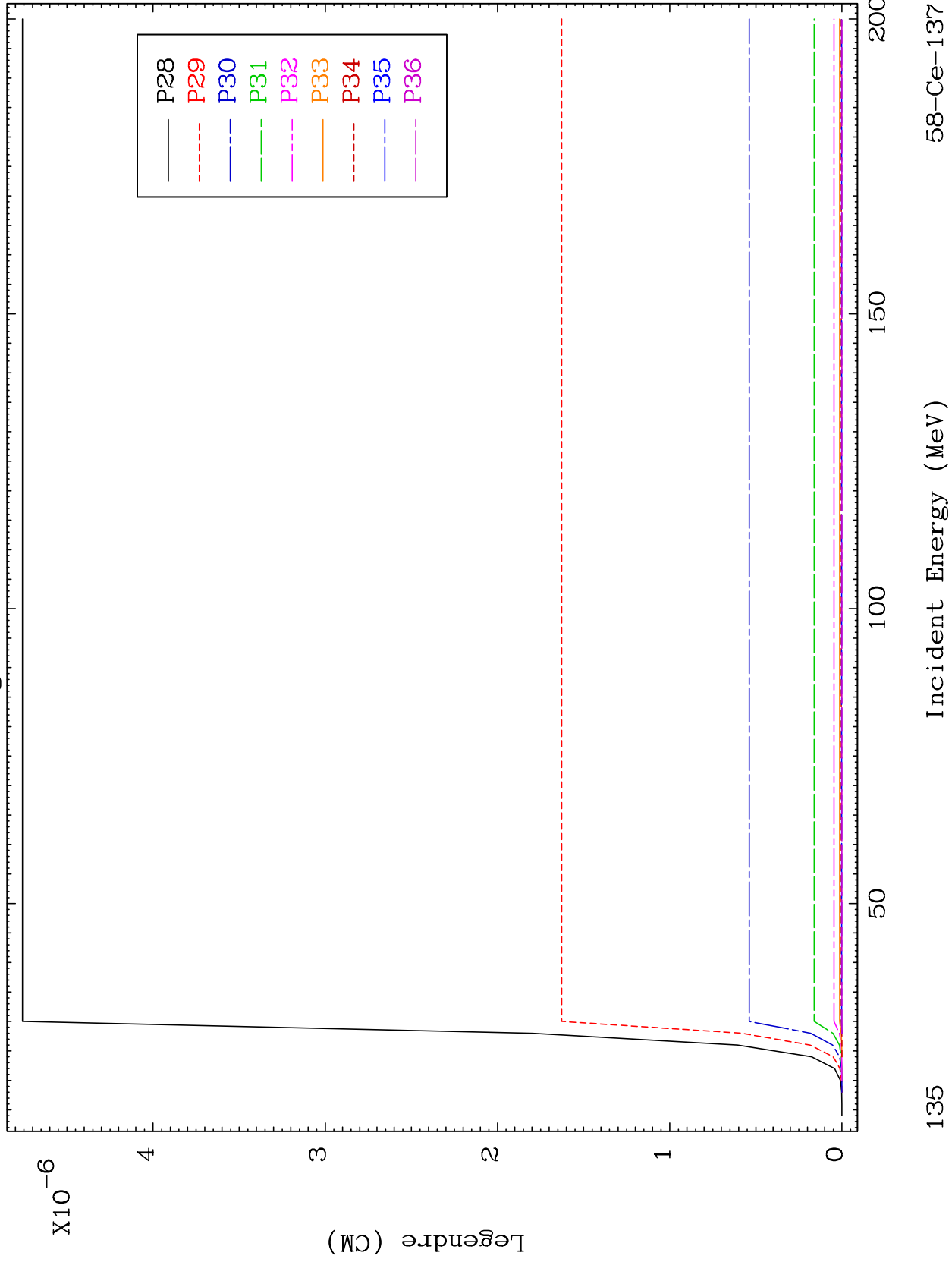
Incident Energy (MeV)

58-Ce-137

MAT 5828

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

58-Ce-137

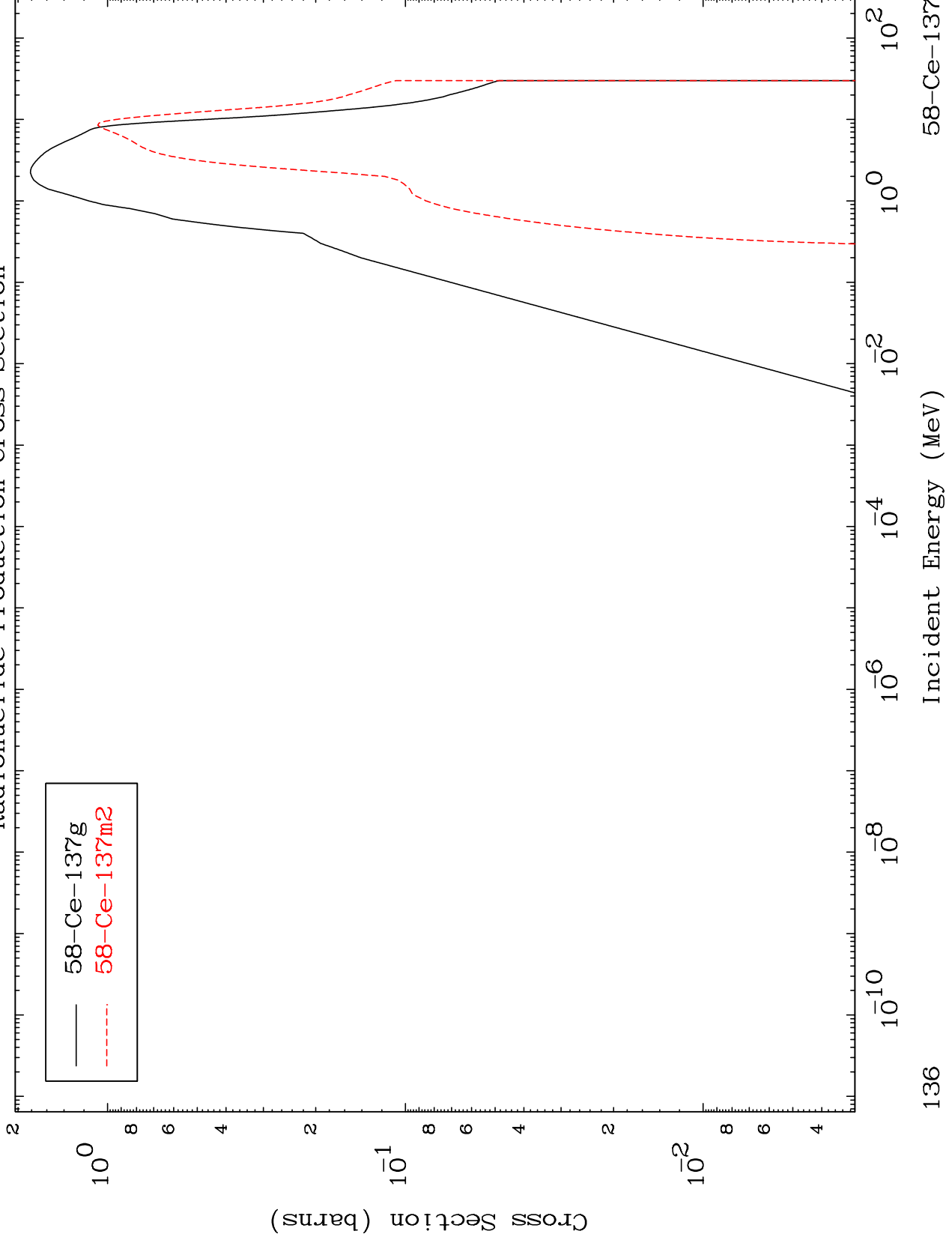




MAT 5828

Inelastic  
Radionuclide Production Cross Section

58-Ce-137



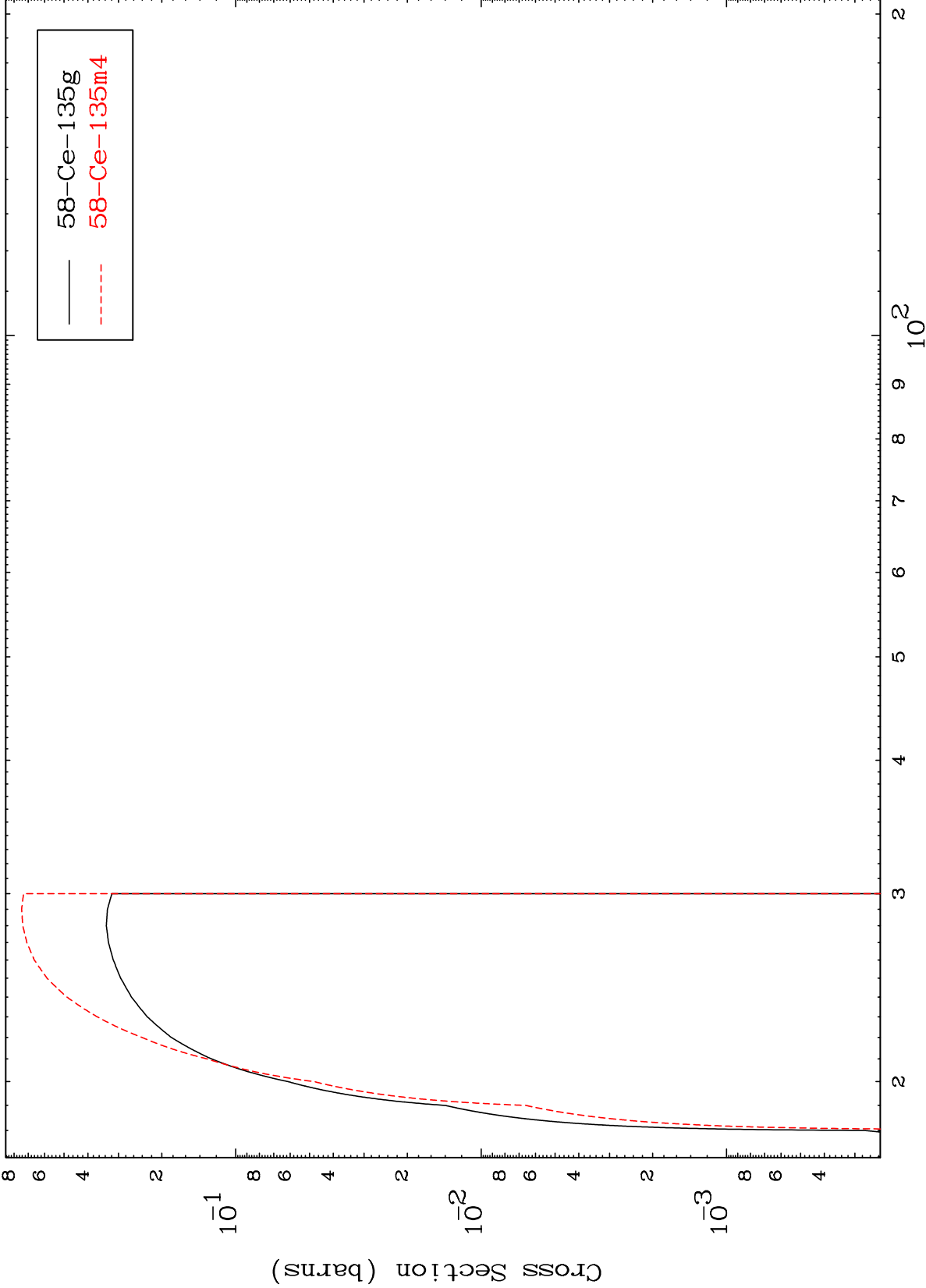
58-Ce-137g  
58-Ce-137m2

MAT 5828

(n,3n)

58-Ce-137

Radionuclide Production Cross Section



137

Incident Energy (MeV)

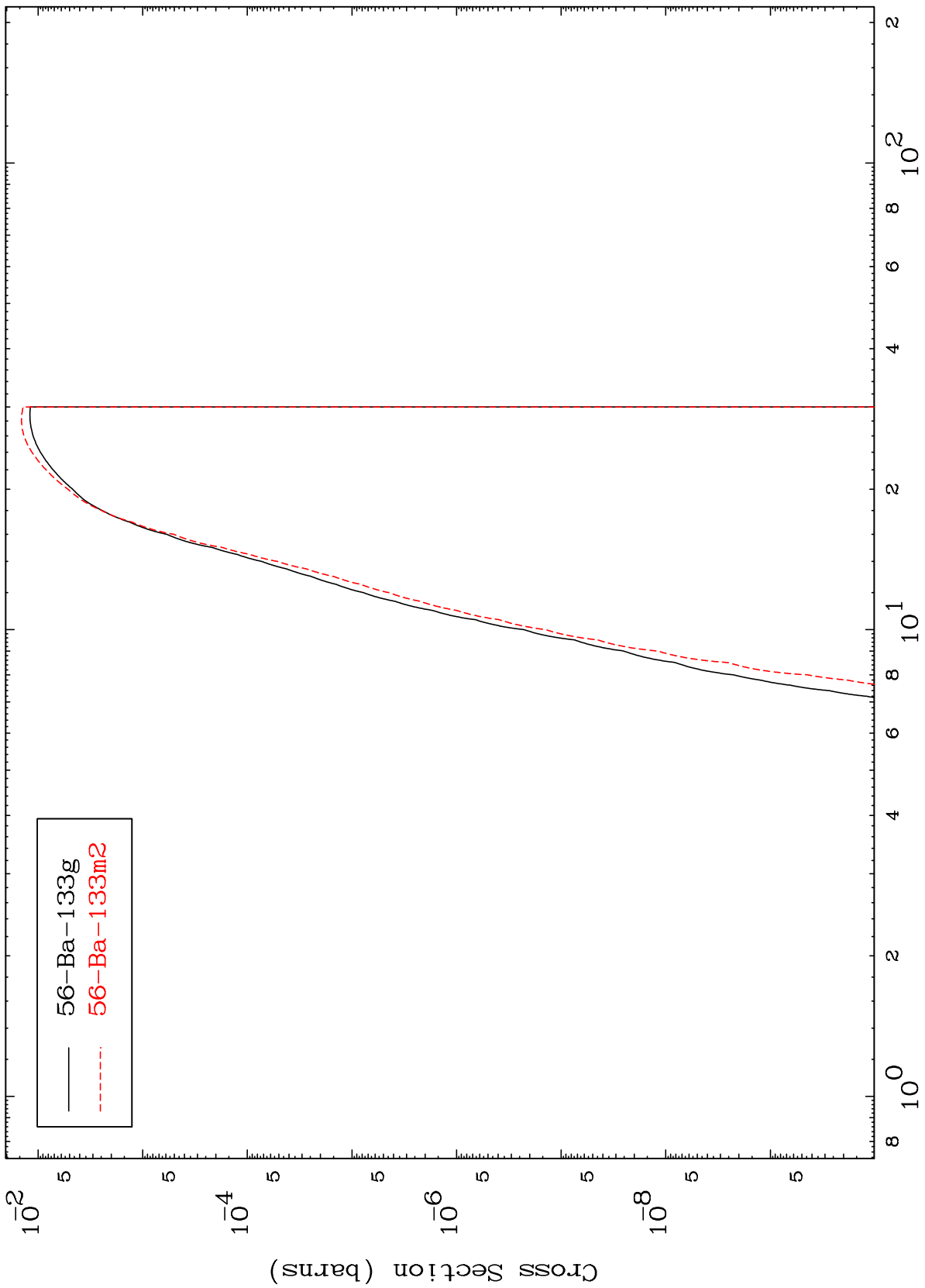
58-Ce-137

MAT 5828

(n,n')  $\alpha$

58-Ce-137

Radionuclide Production Cross Section



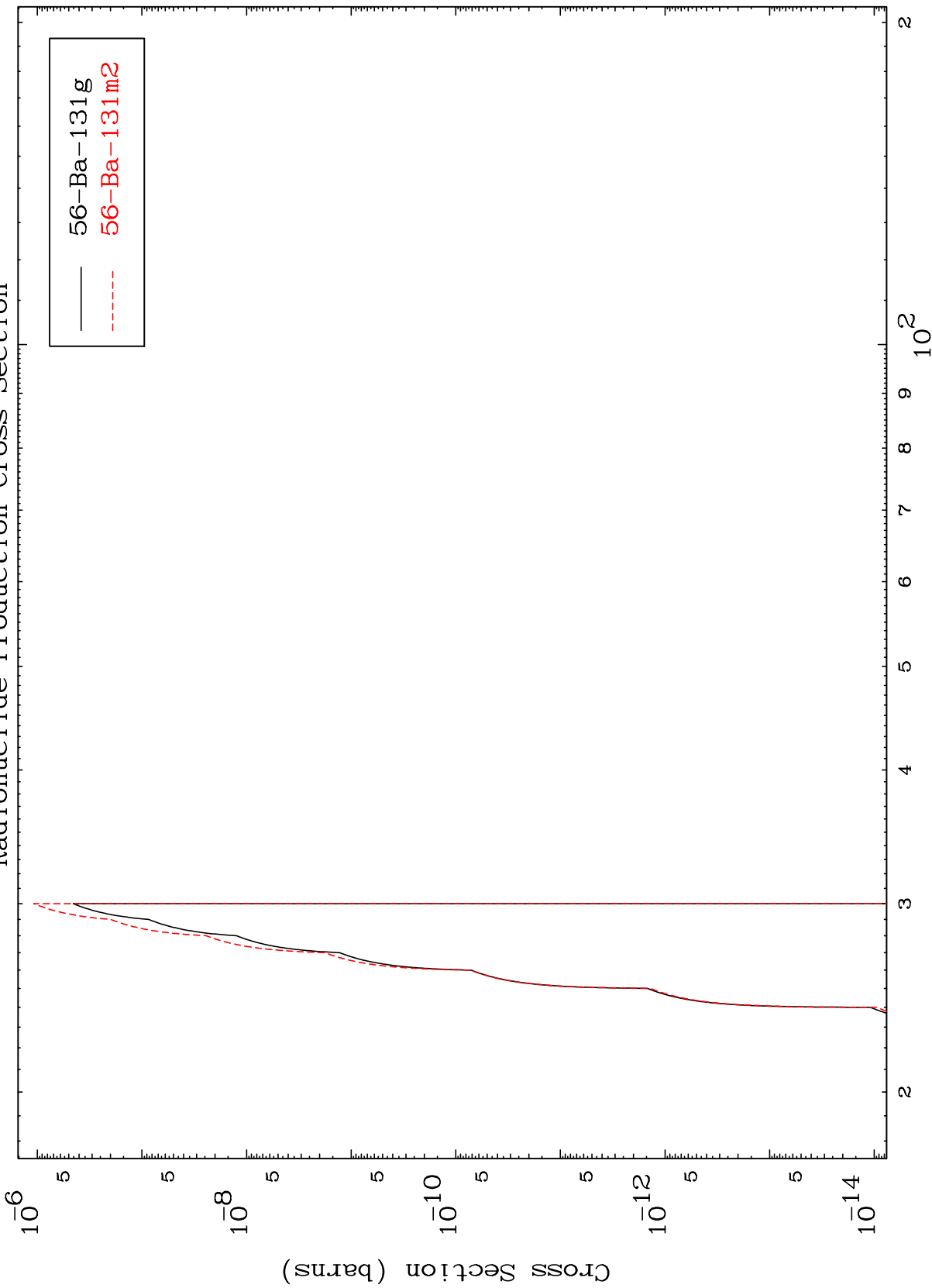
56-Ba-133g  
56-Ba-133m2

138

Incident Energy (MeV)

58-Ce-137

Radionuclide Production Cross Section

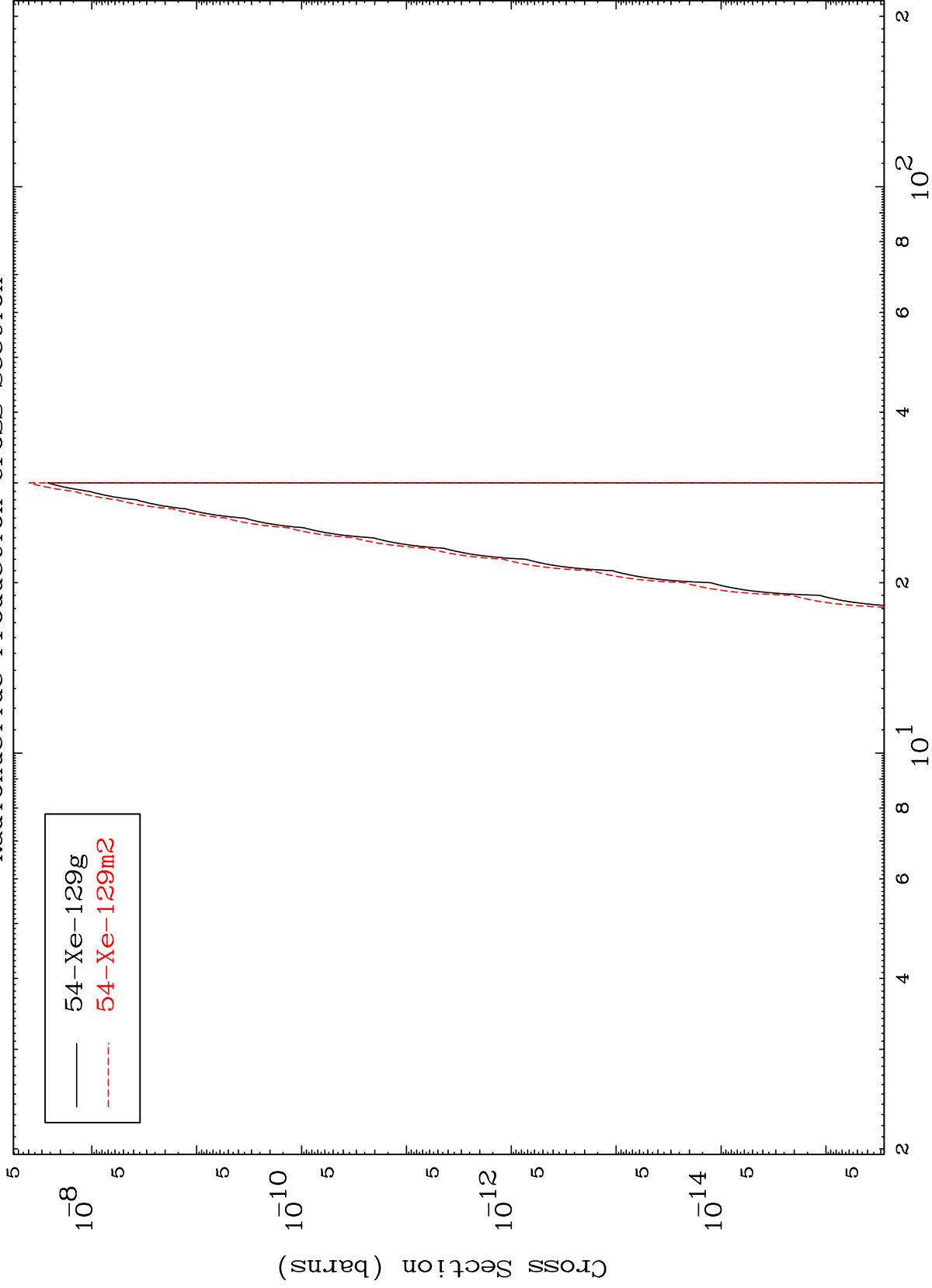


MAT 5828

(n,n') 2α

58-Ce-137

Radionuclide Production Cross Section



140

Incident Energy (MeV)

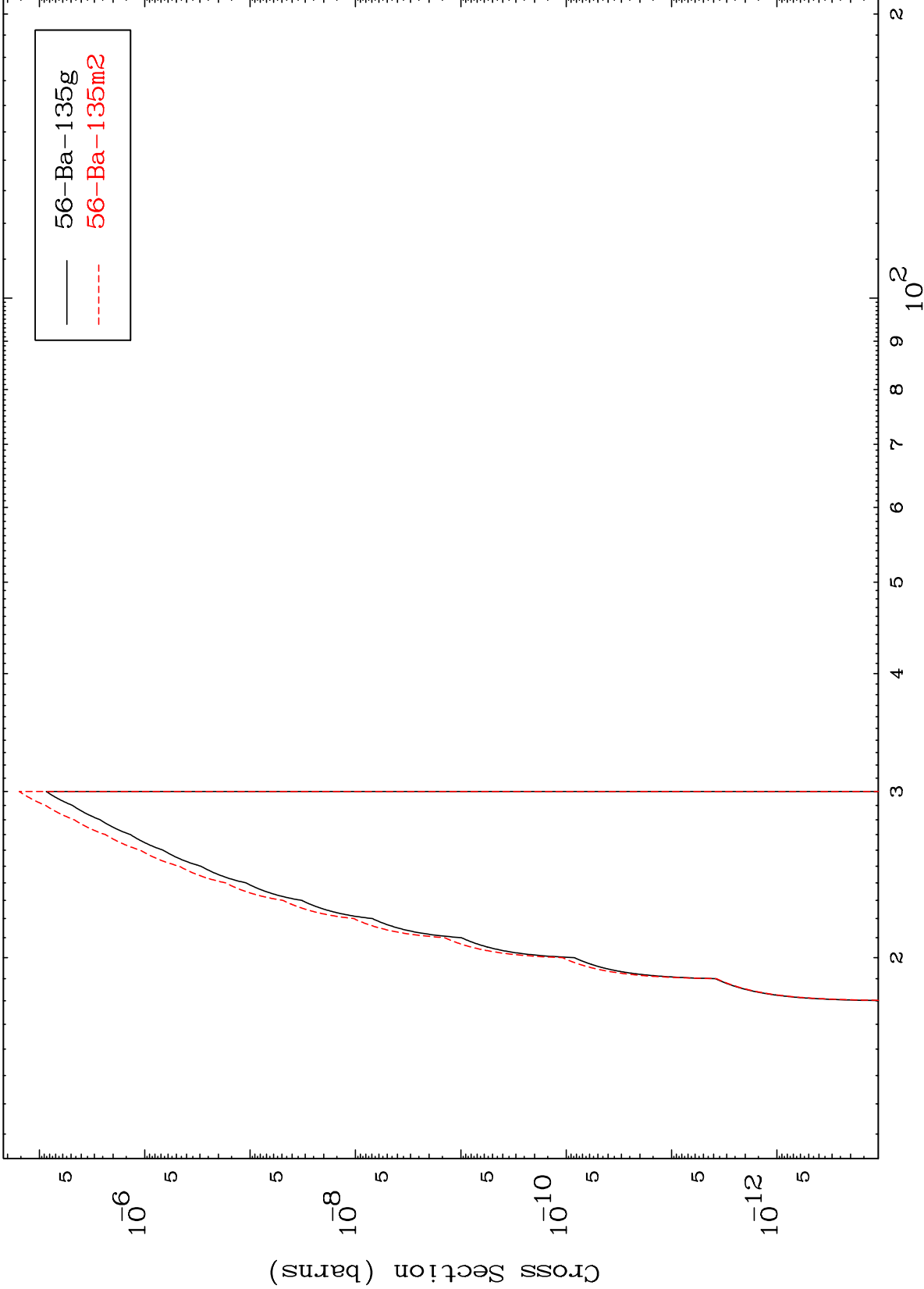
58-Ce-137

MAT 5828

(n,2n) p

58-Ce-137

Radionuclide Production Cross Section



141

Incident Energy (MeV)

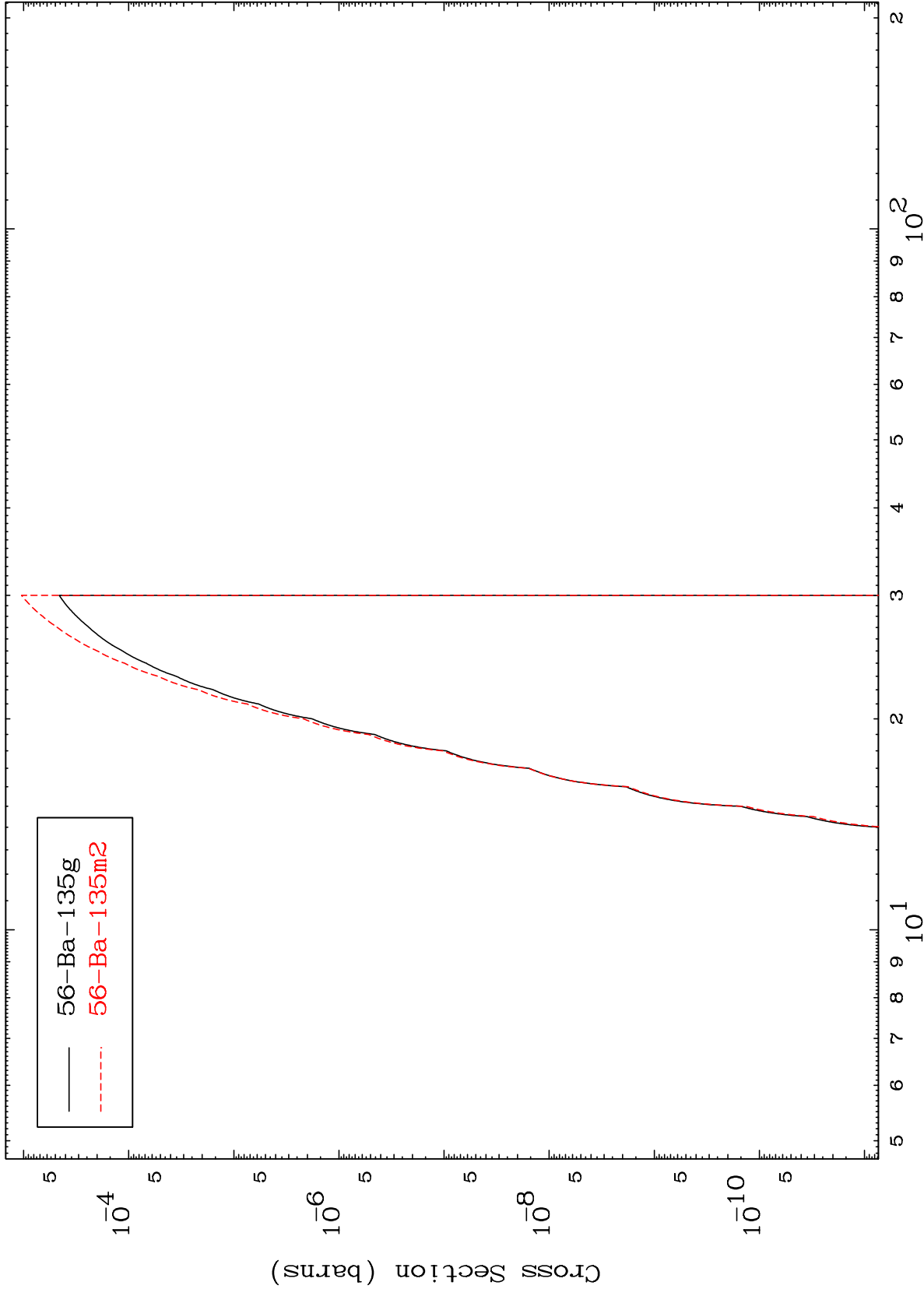
58-Ce-137

MAT 5828

(n,He-3)

58-Ce-137

Radionuclide Production Cross Section



142

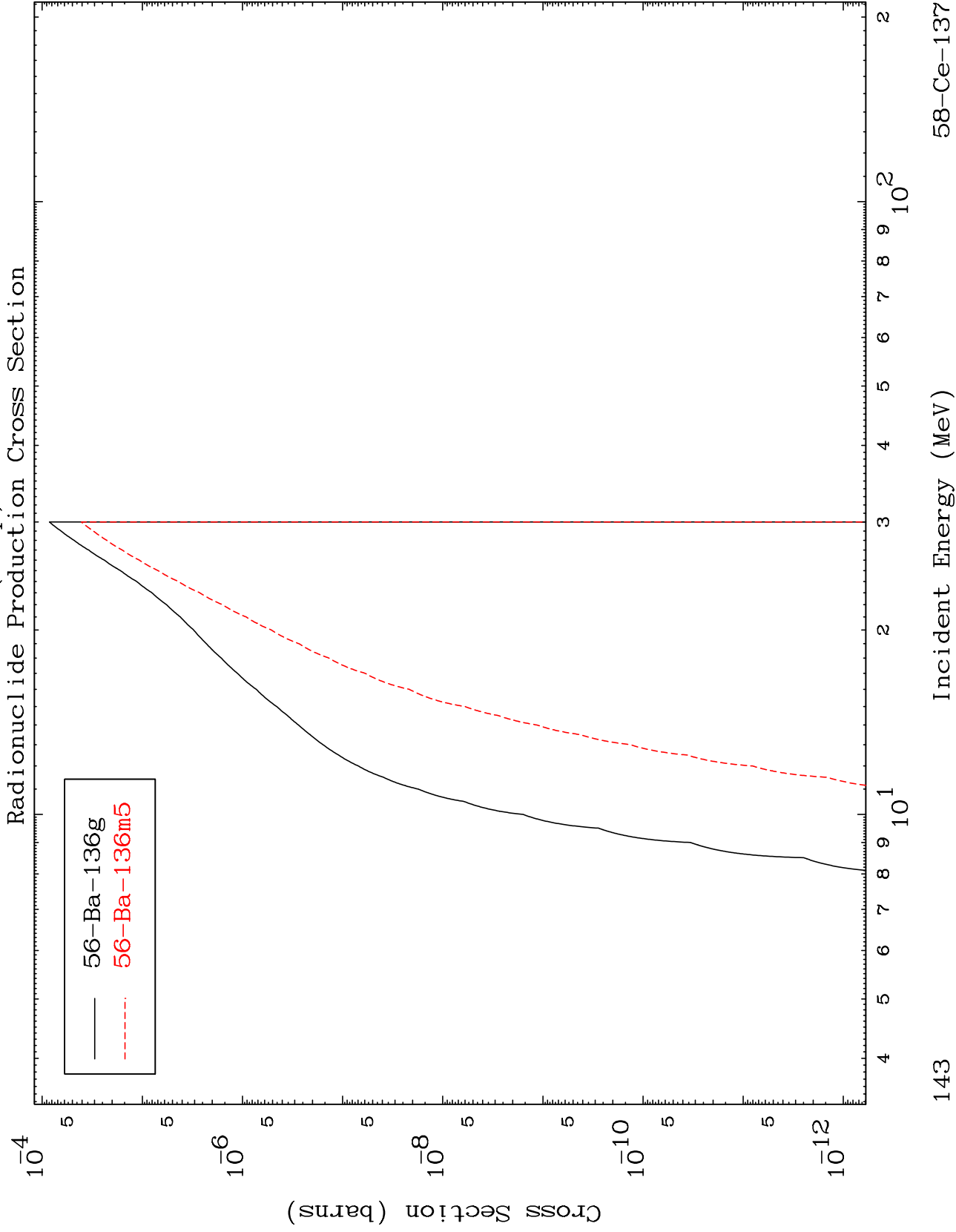
Incident Energy (MeV)

58-Ce-137

MAT 5828

(n,2p)

58-Ce-137



143

Incident Energy (MeV)

58-Ce-137

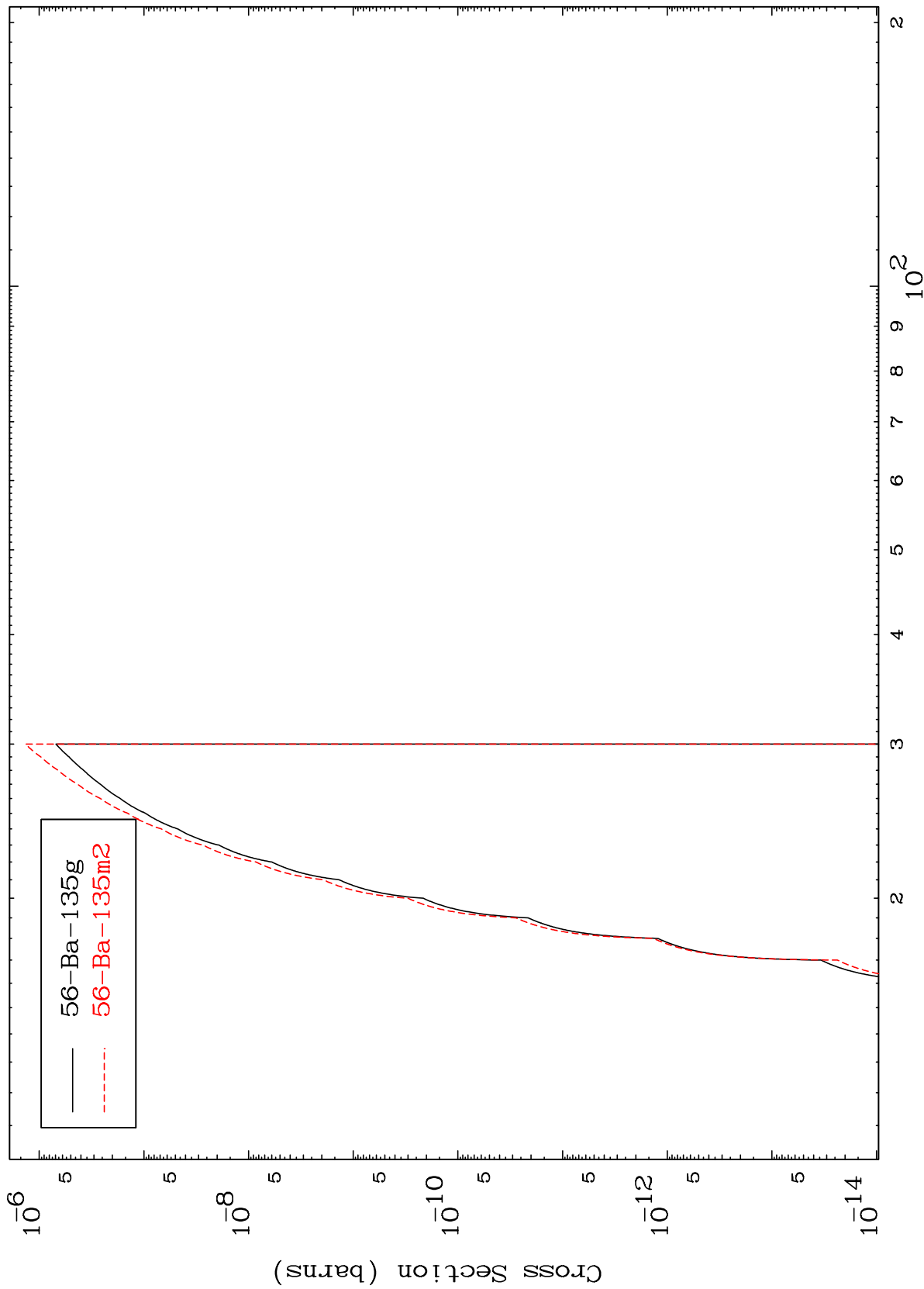


MAT 5828

(n,p) d

58-Ce-137

Radionuclide Production Cross Section



144

Incident Energy (MeV)

58-Ce-137