

Program EVALPLOT  
(Version 2021-1)

by

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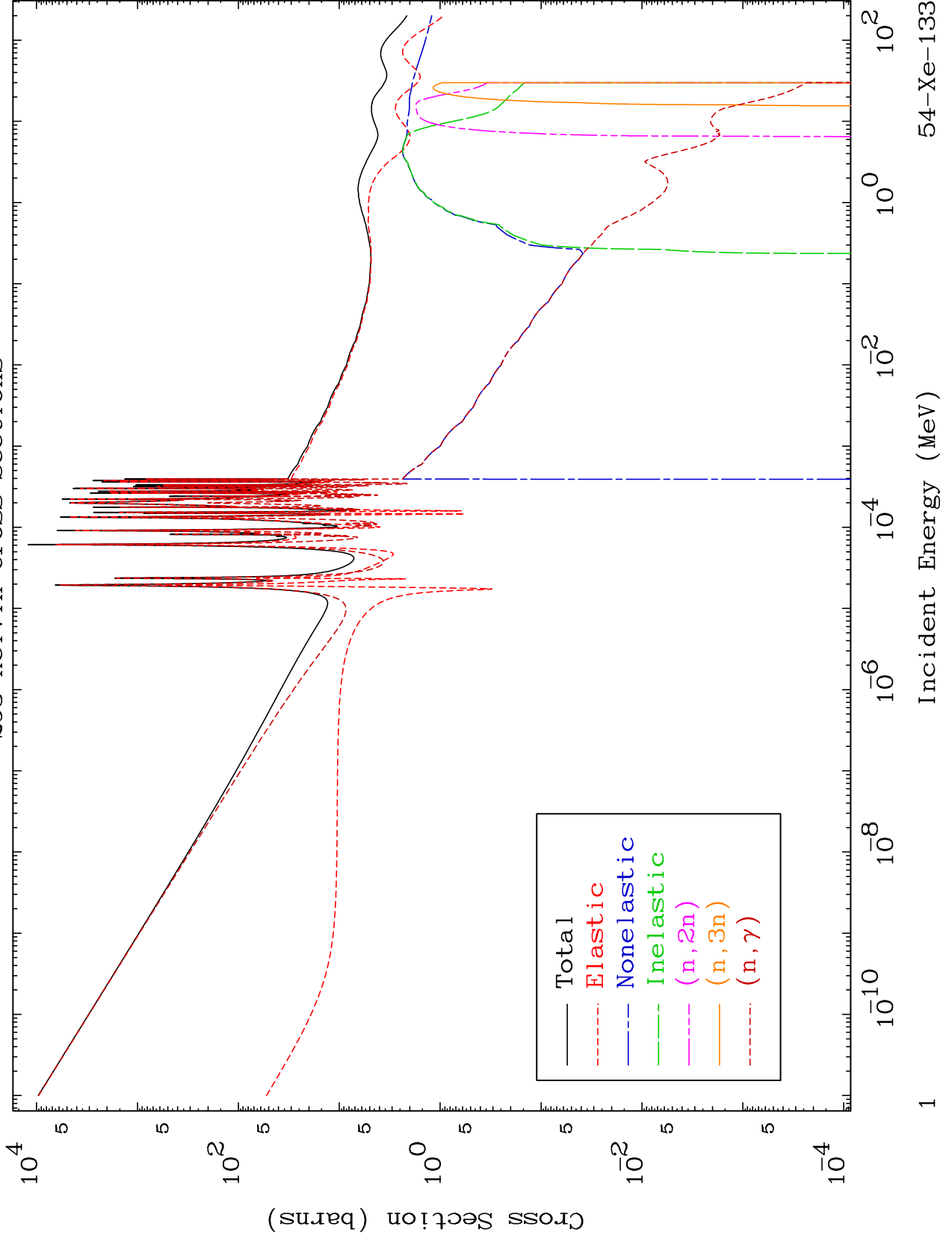
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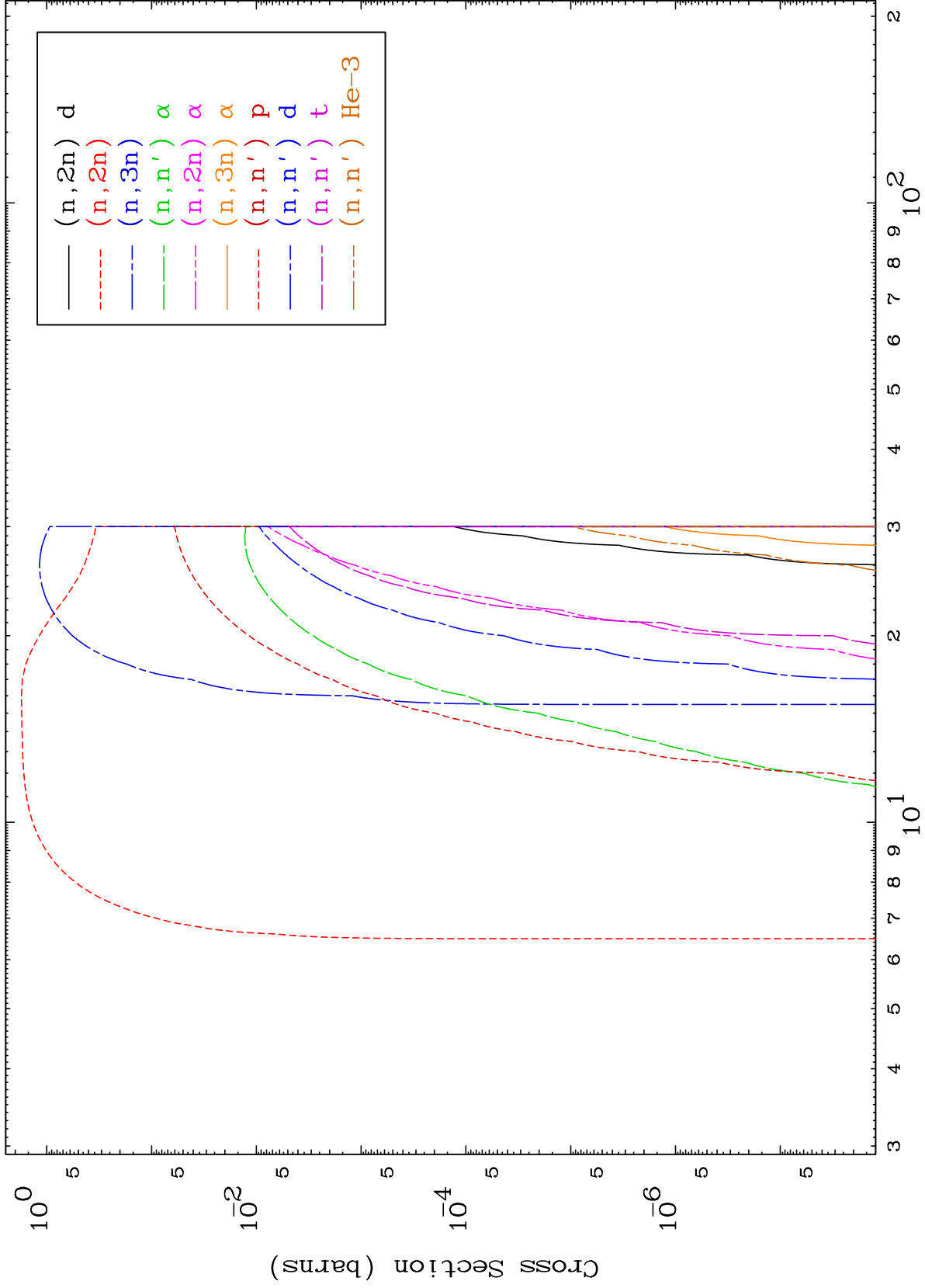
Press Mouse Button to Start

MAT 5452

Neutron Major  
293 Kelvin Cross Sections

54-Xe-133

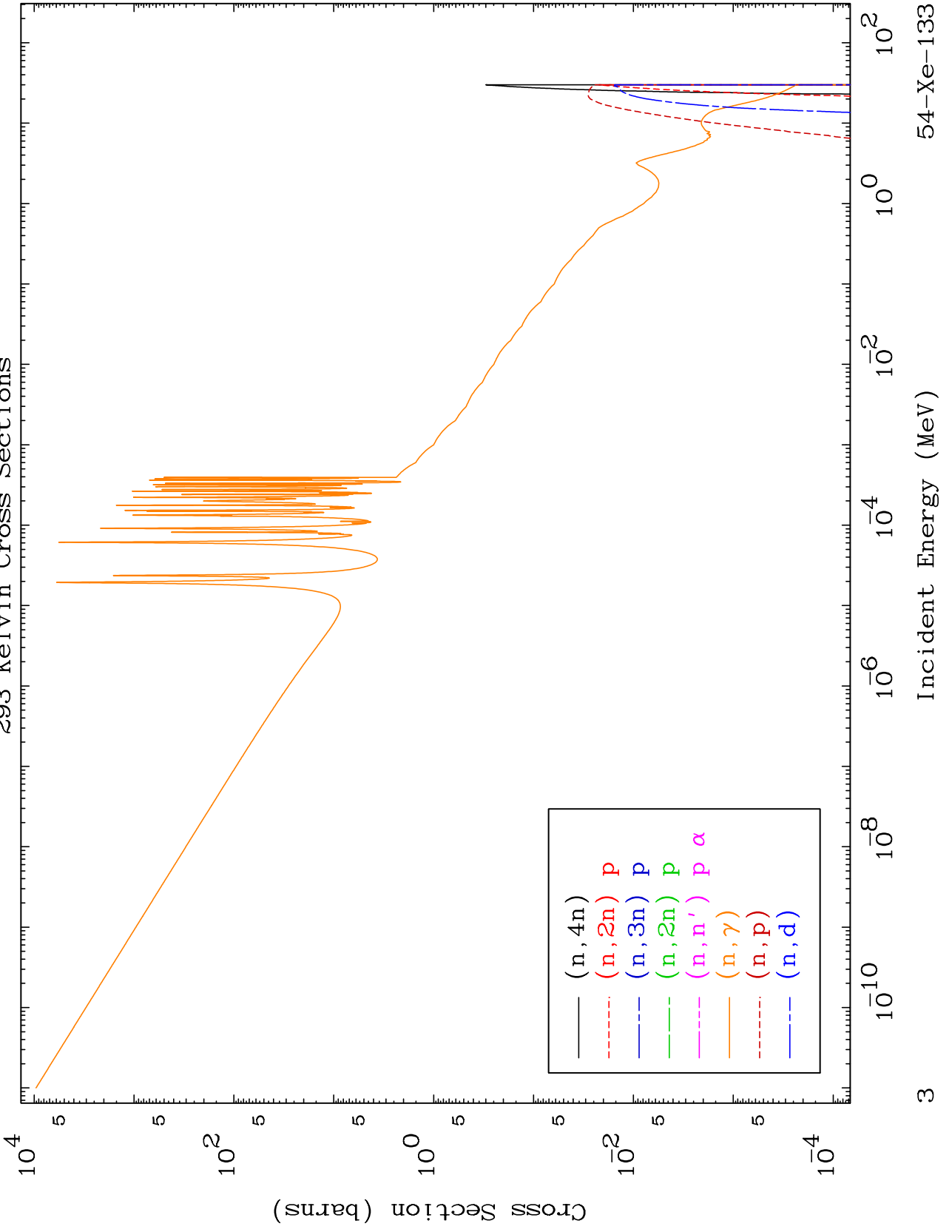




MAT 5452

Neutron Absorption  
293 Kelvin Cross Sections

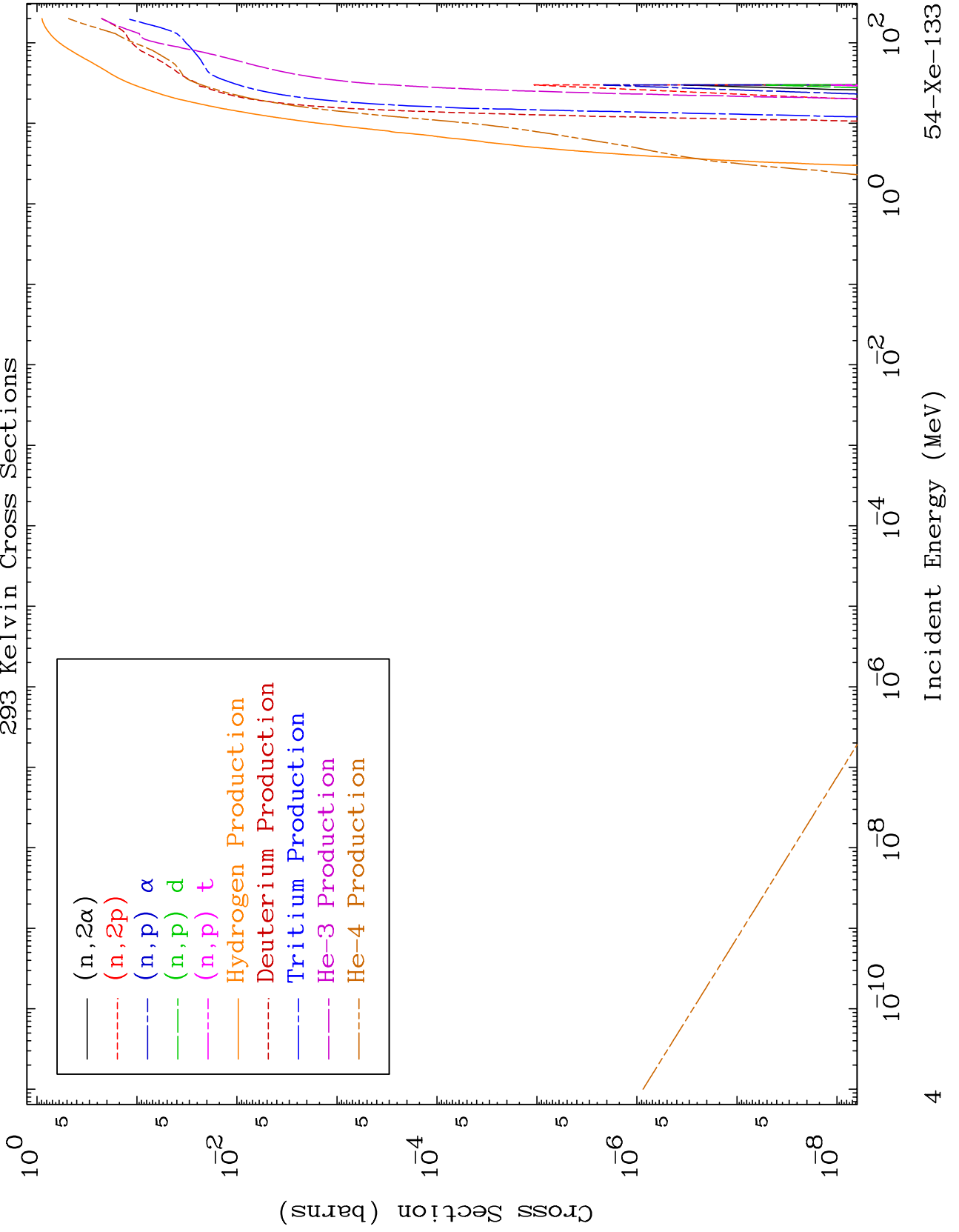
54-Xe-133



MAT 5452

Neutron Absorption  
293 Kelvin Cross Sections

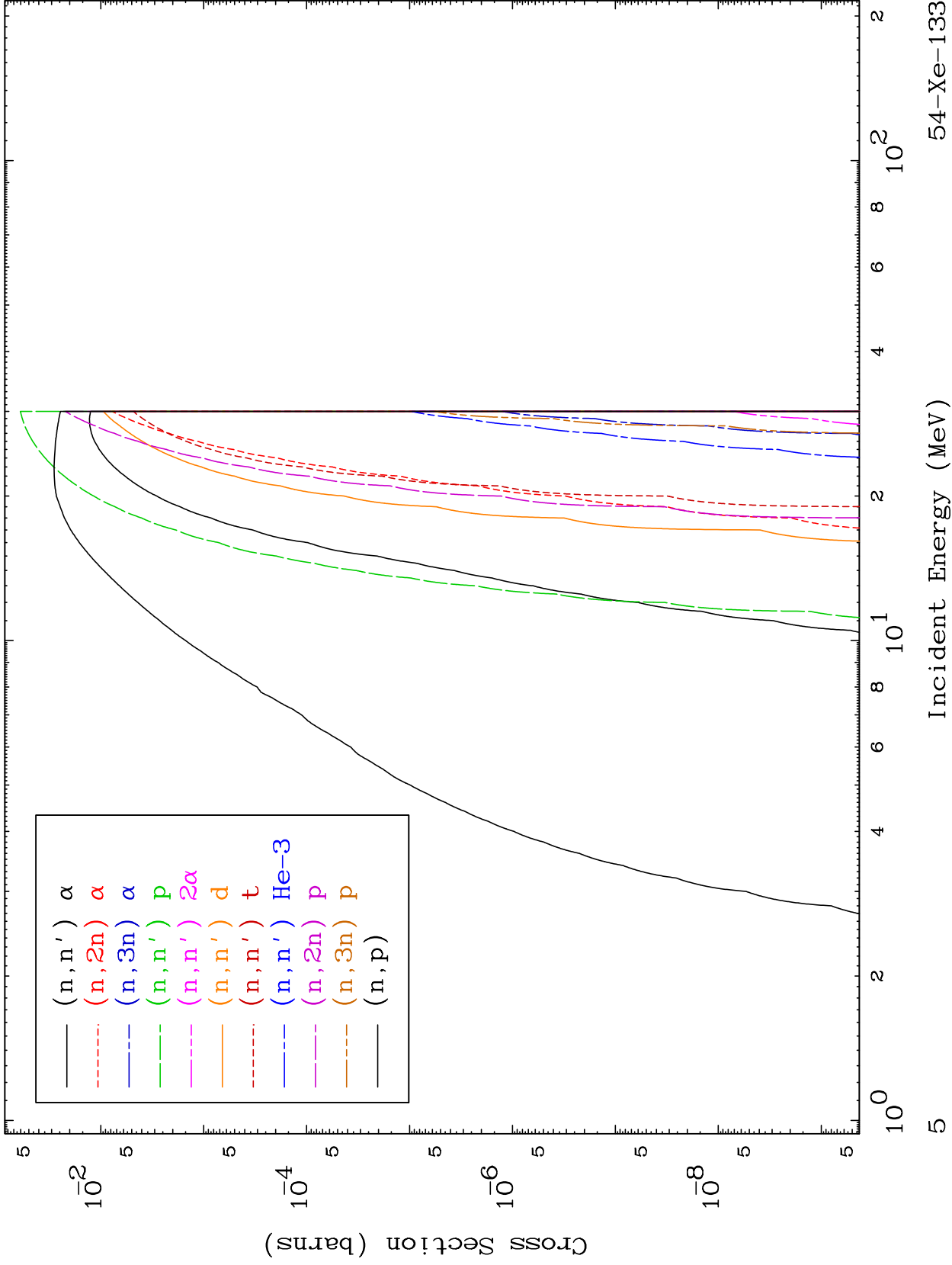
54-Xe-133



MAT 5452

Charged Particle  
293 Kelvin Cross Sections

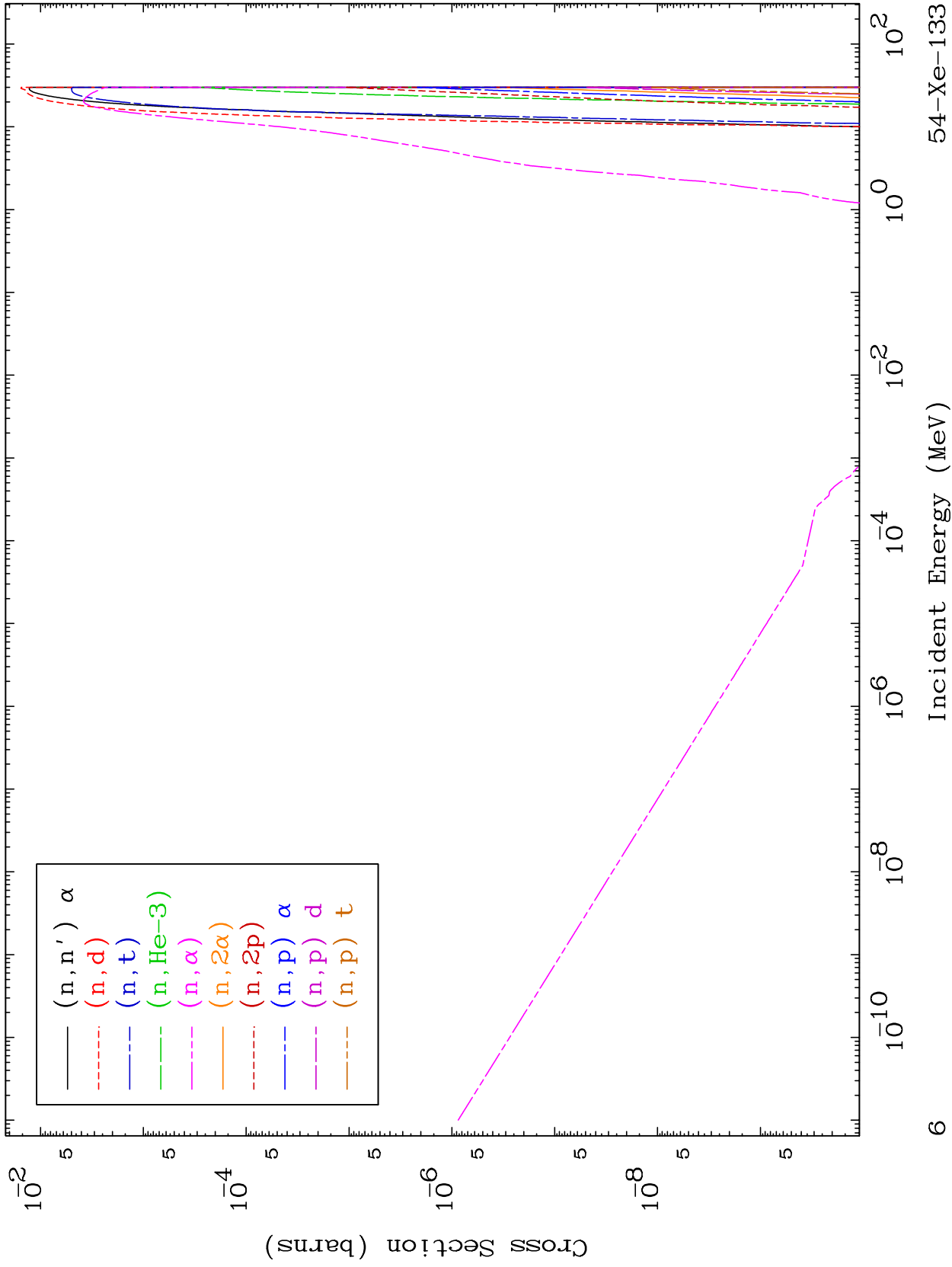
54-Xe-133



MAT 5452

Charged Particle  
293 Kelvin Cross Sections

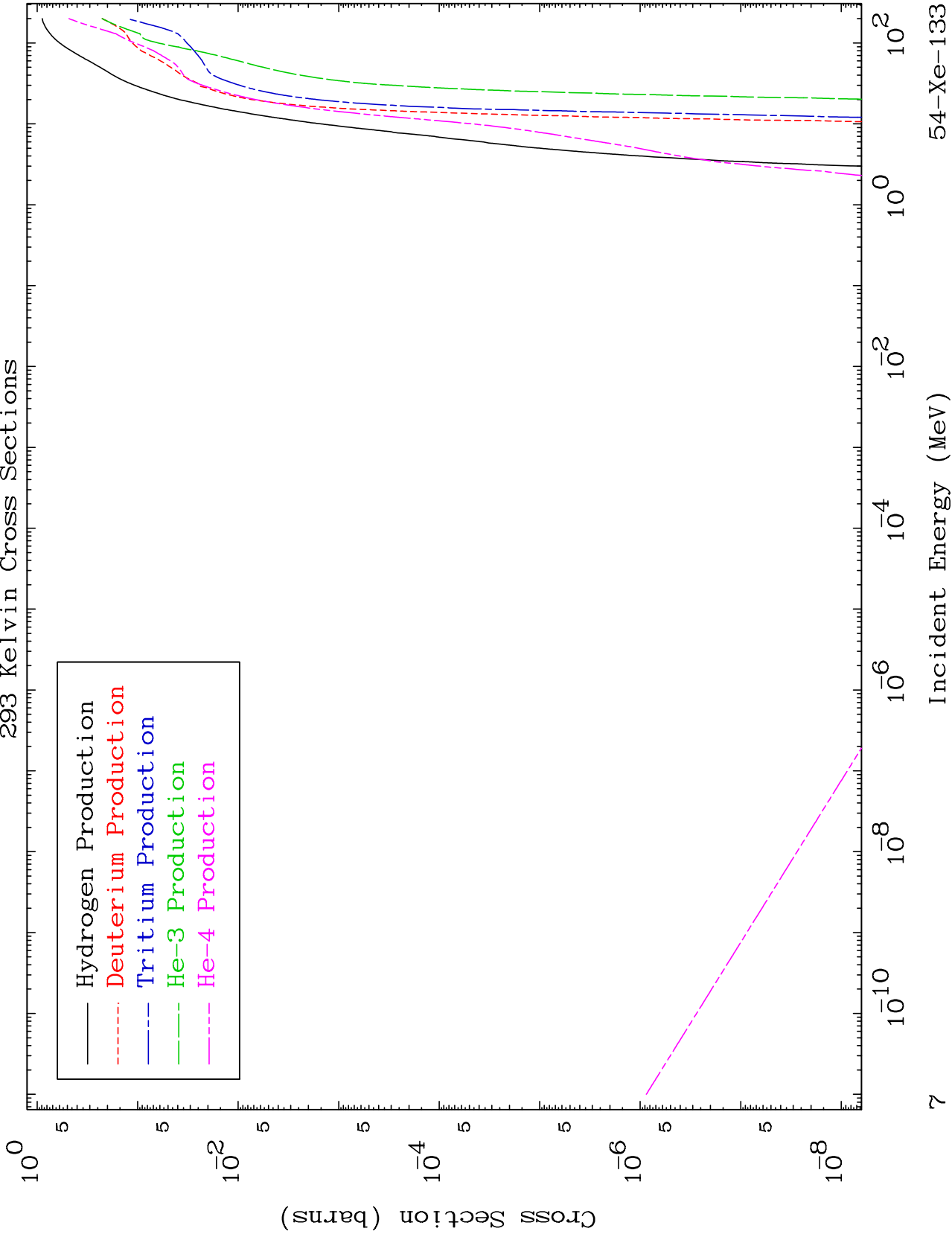
54-Xe-133

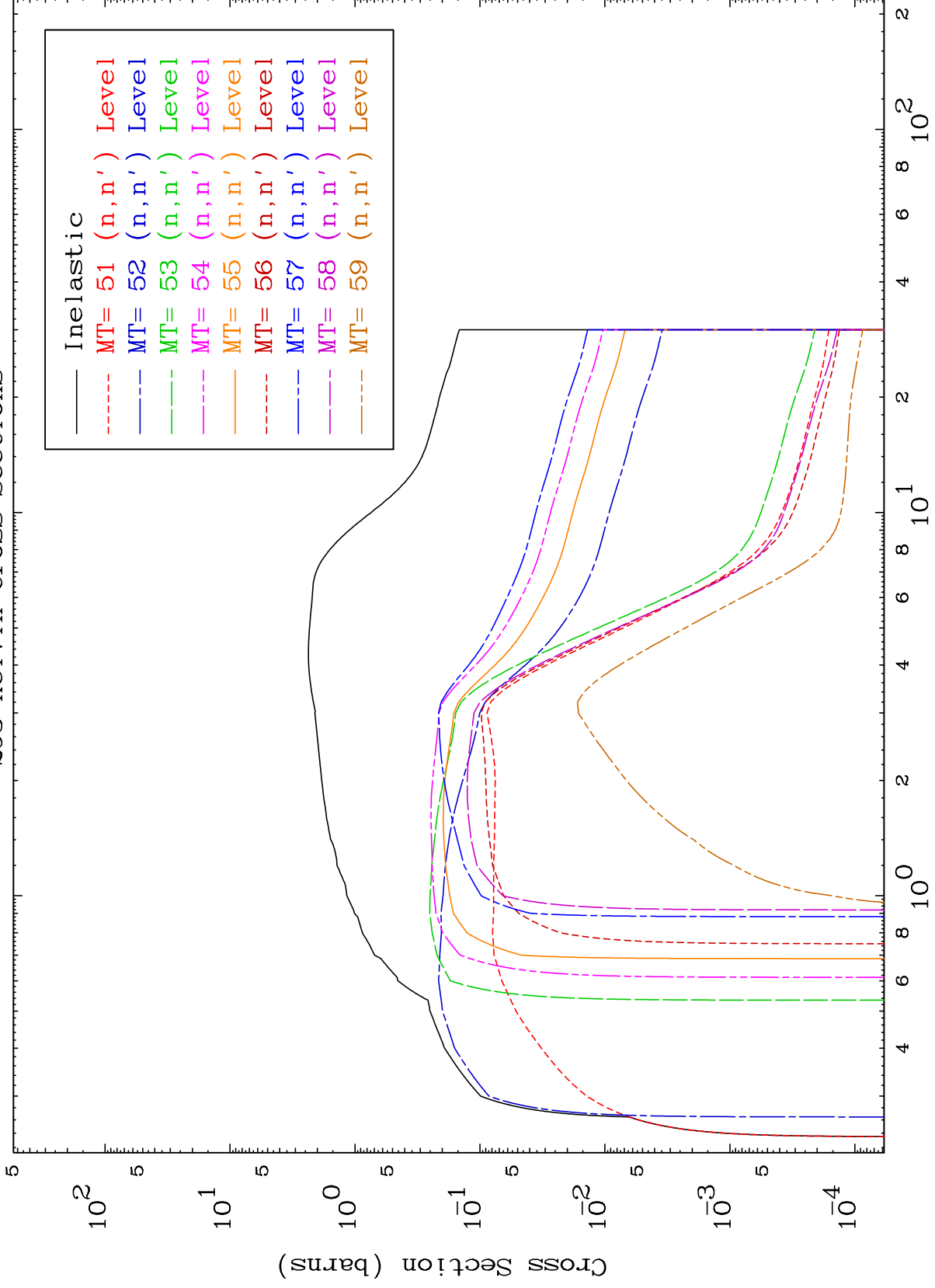


MAT 5452

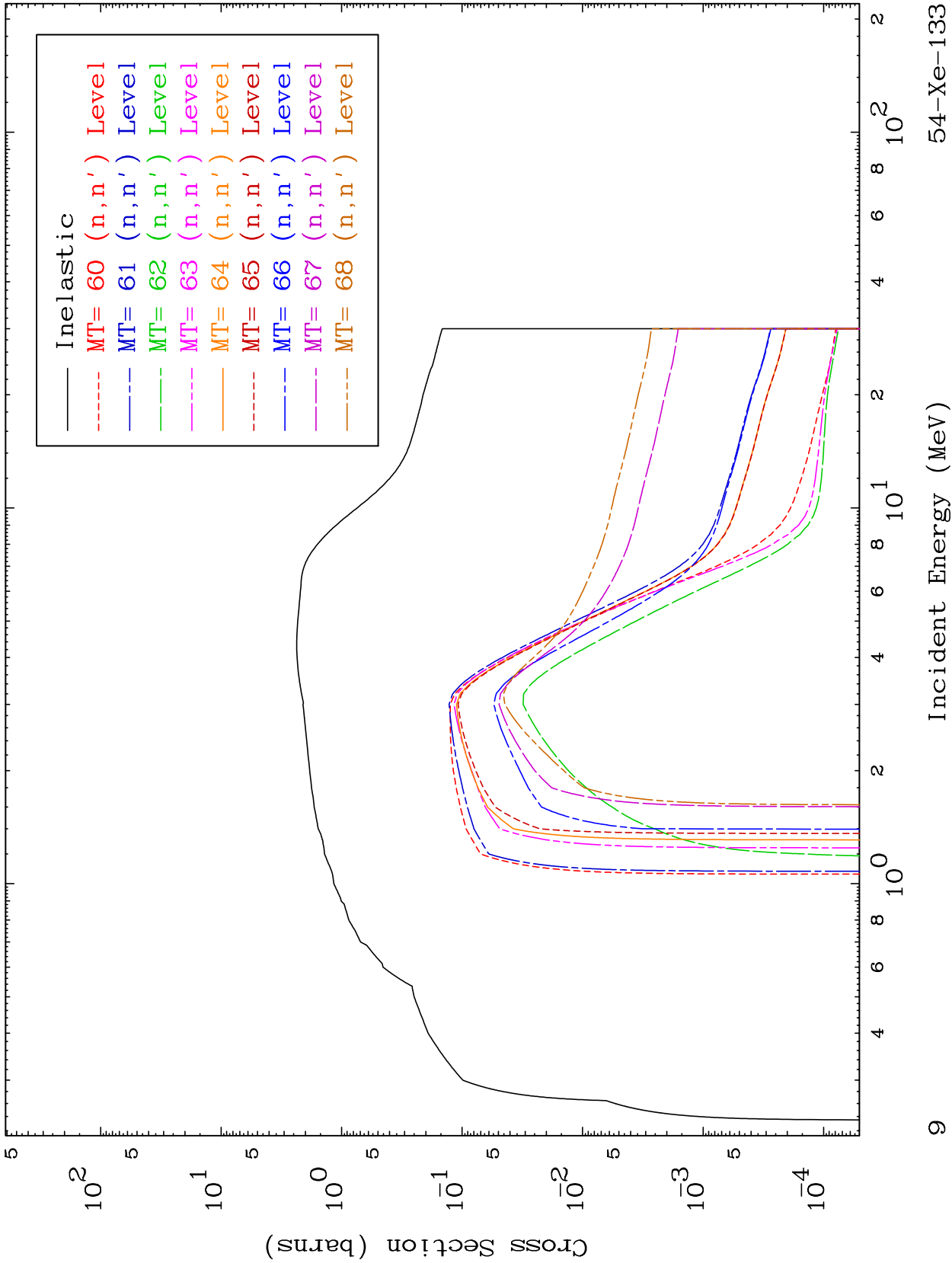
Particle Production  
293 Kelvin Cross Sections

54-Xe-133





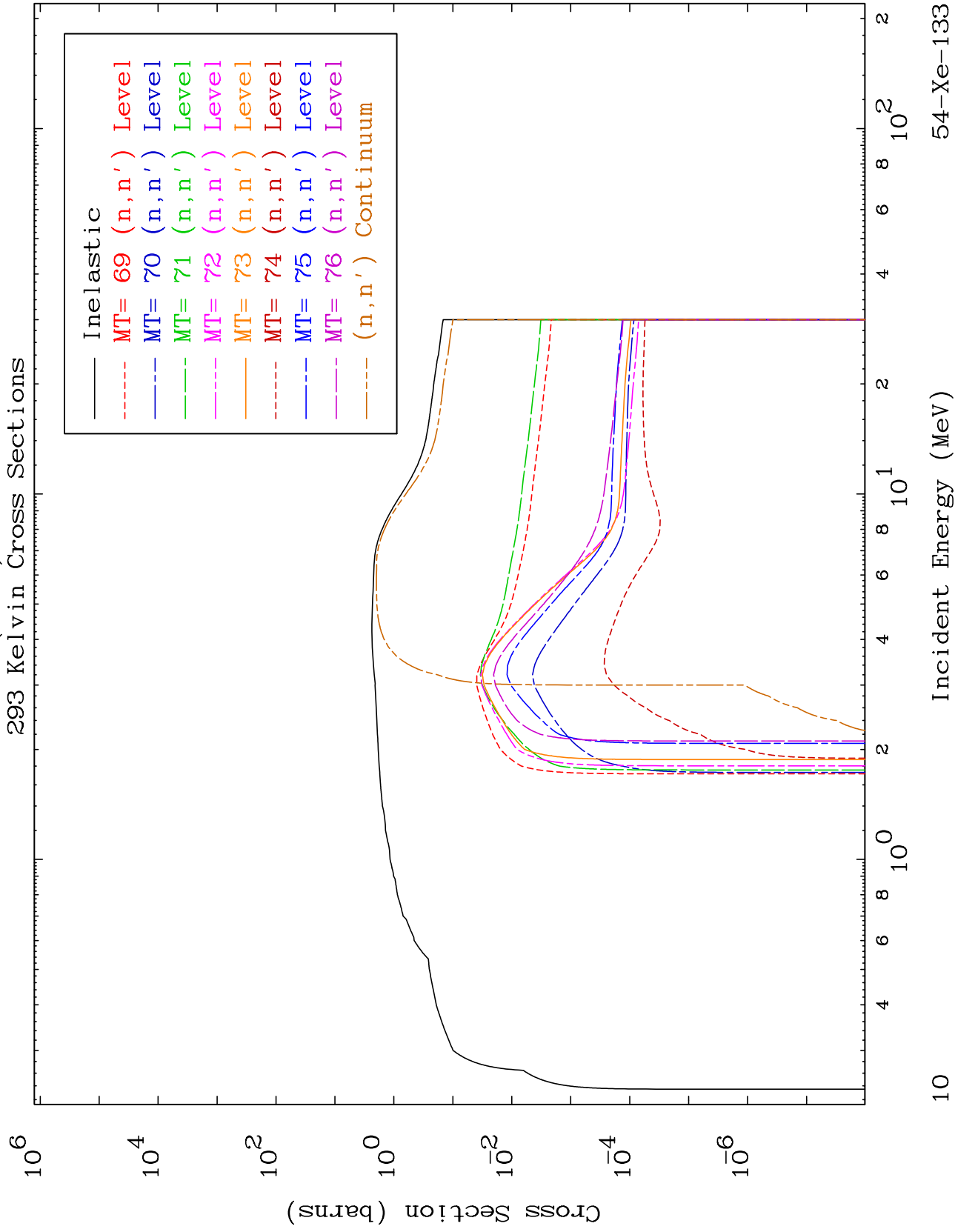
293 Kelvin Cross Sections



MAT 5452

(n,n') Levels

54-Xe-133

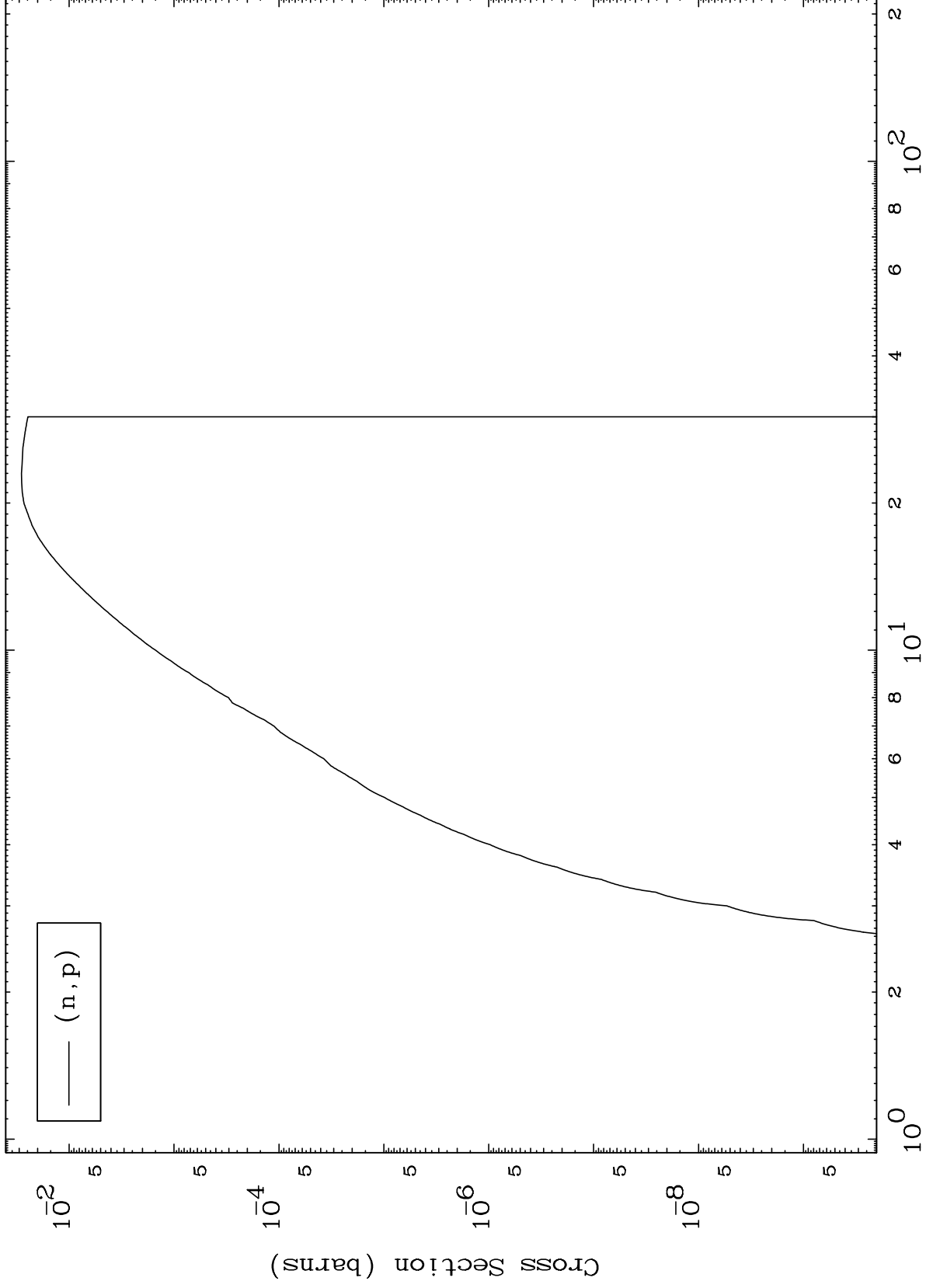


10

MAT 5452

(n,p) Levels  
293 Kelvin Cross Sections

54-Xe-133



(n,p)

11

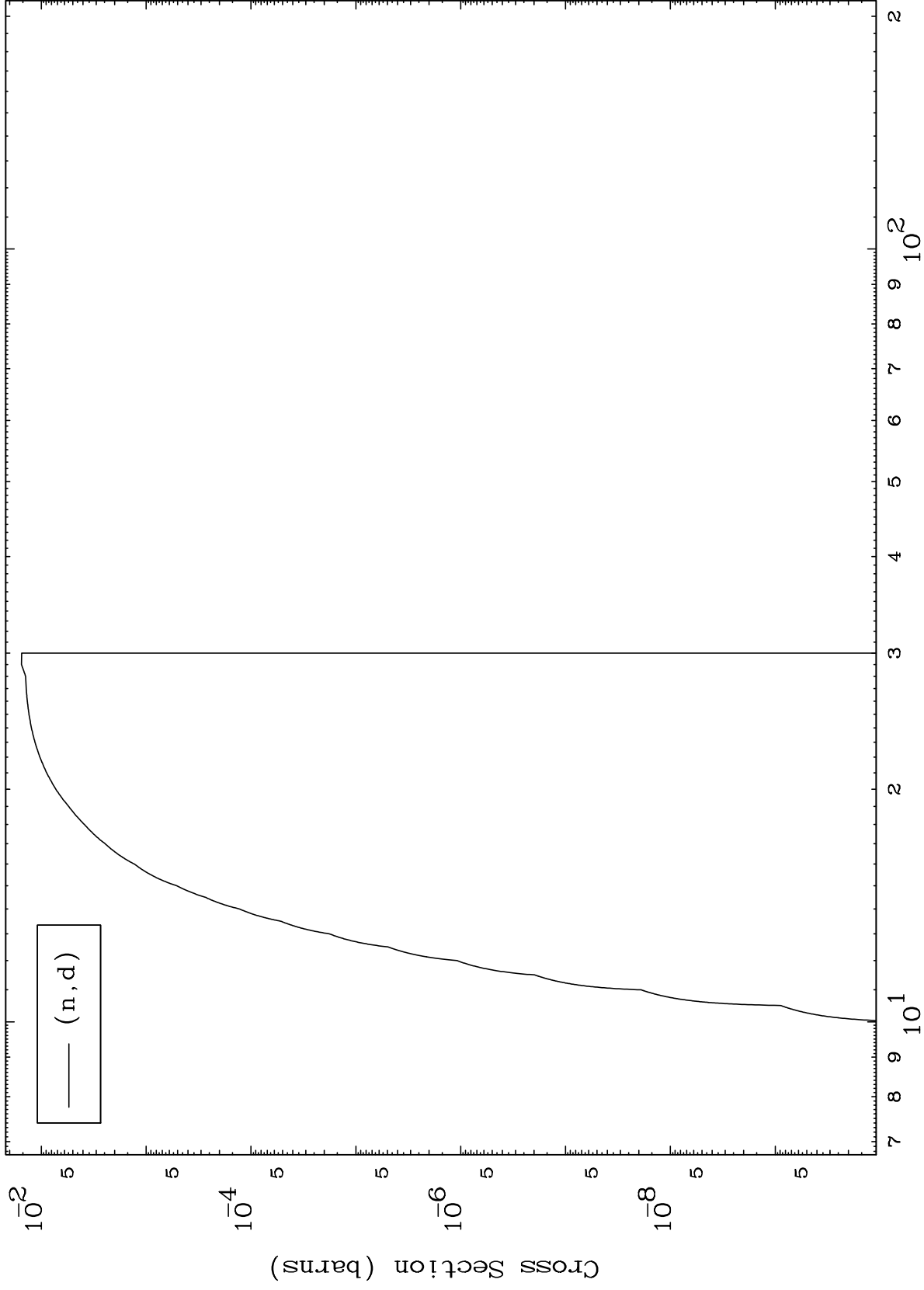
Incident Energy (MeV)

54-Xe-133

MAT 5452

(n,d) Levels  
293 Kelvin Cross Sections

54-Xe-133



12

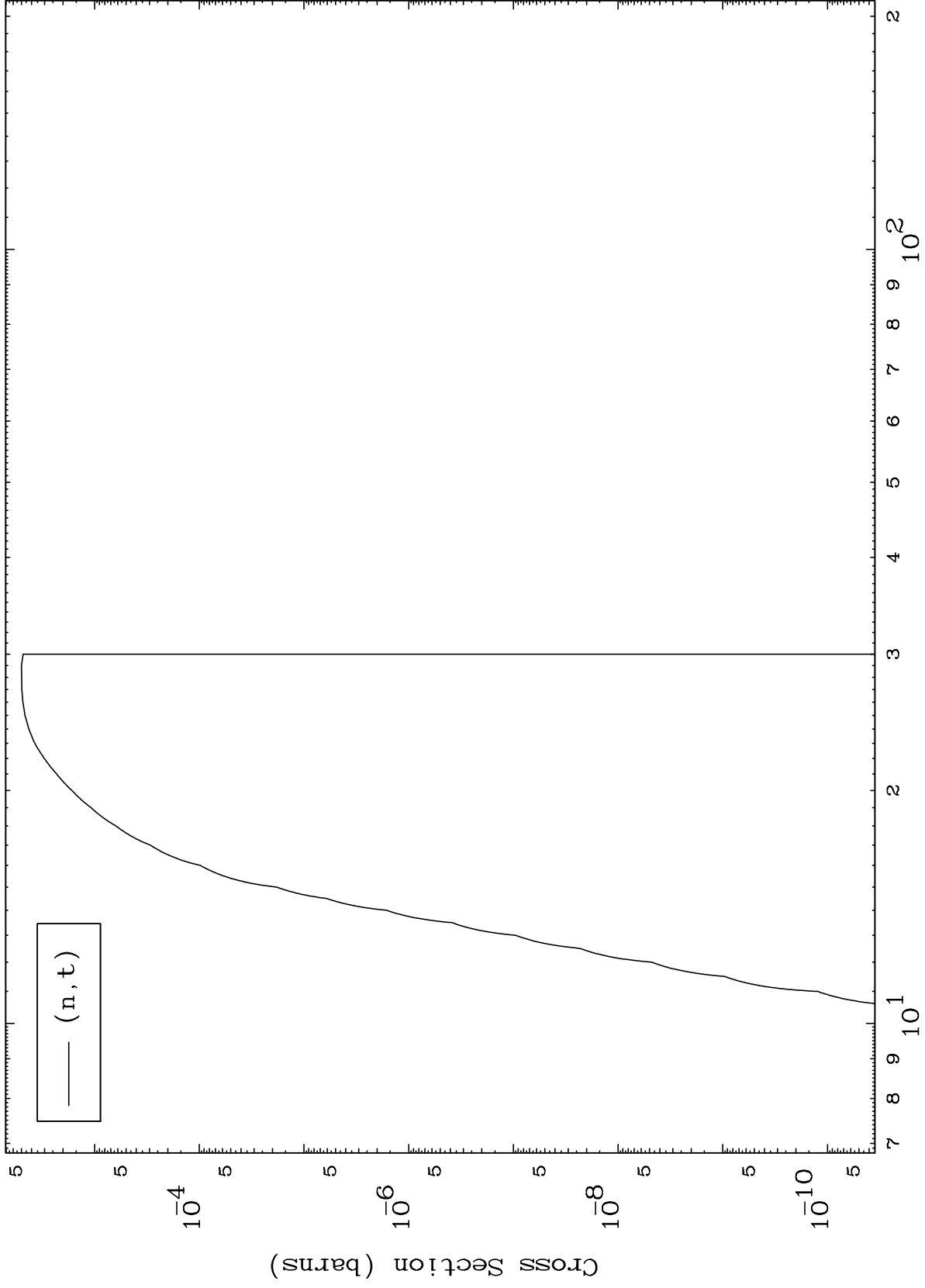
Incident Energy (MeV)

54-Xe-133

MAT 5452

(n,t) Levels  
293 Kelvin Cross Sections

54-Xe-133



13

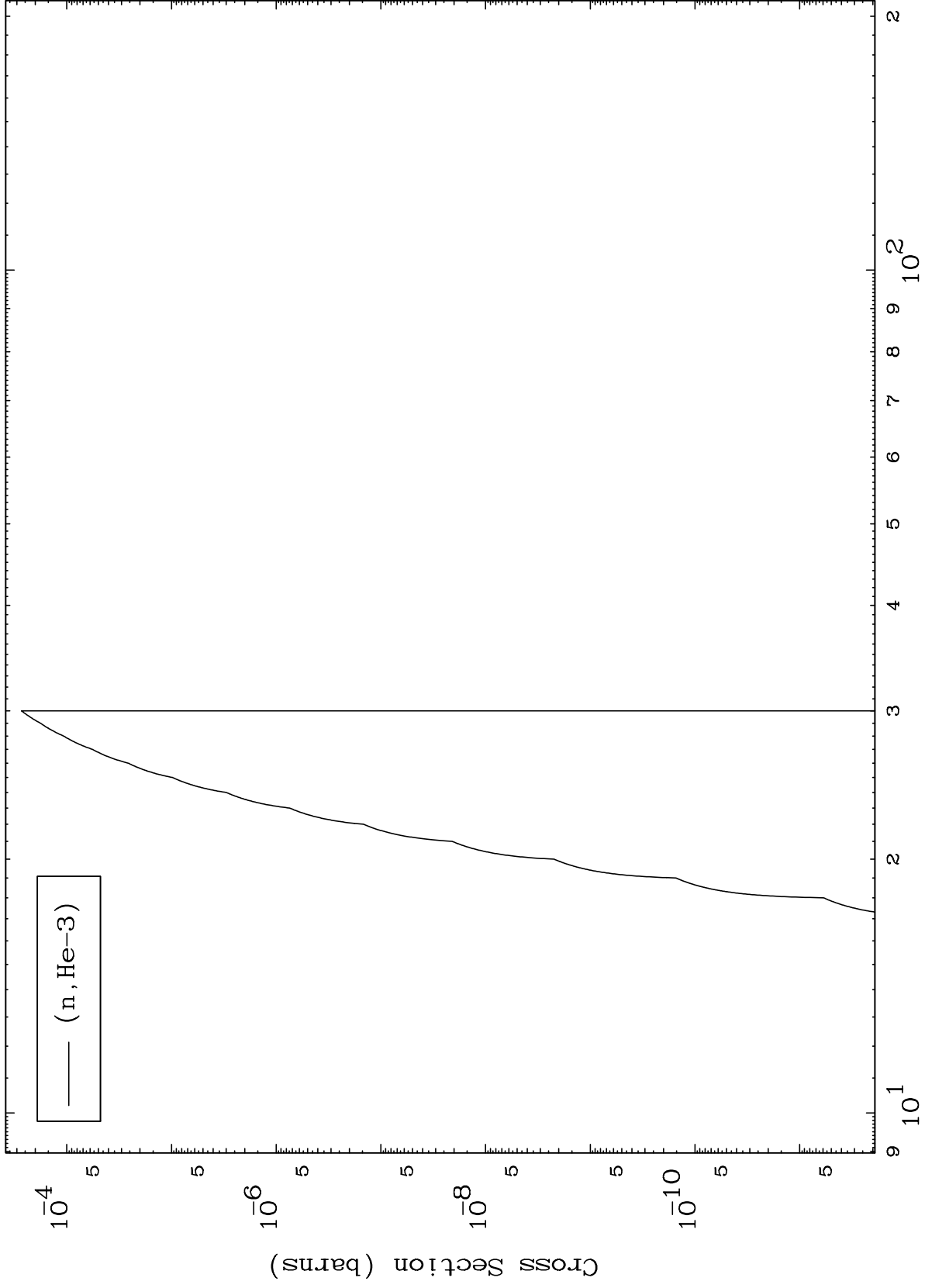
Incident Energy (MeV)

54-Xe-133

MAT 5452

(n,He3) Levels  
293 Kelvin Cross Sections

54-Xe-133



14

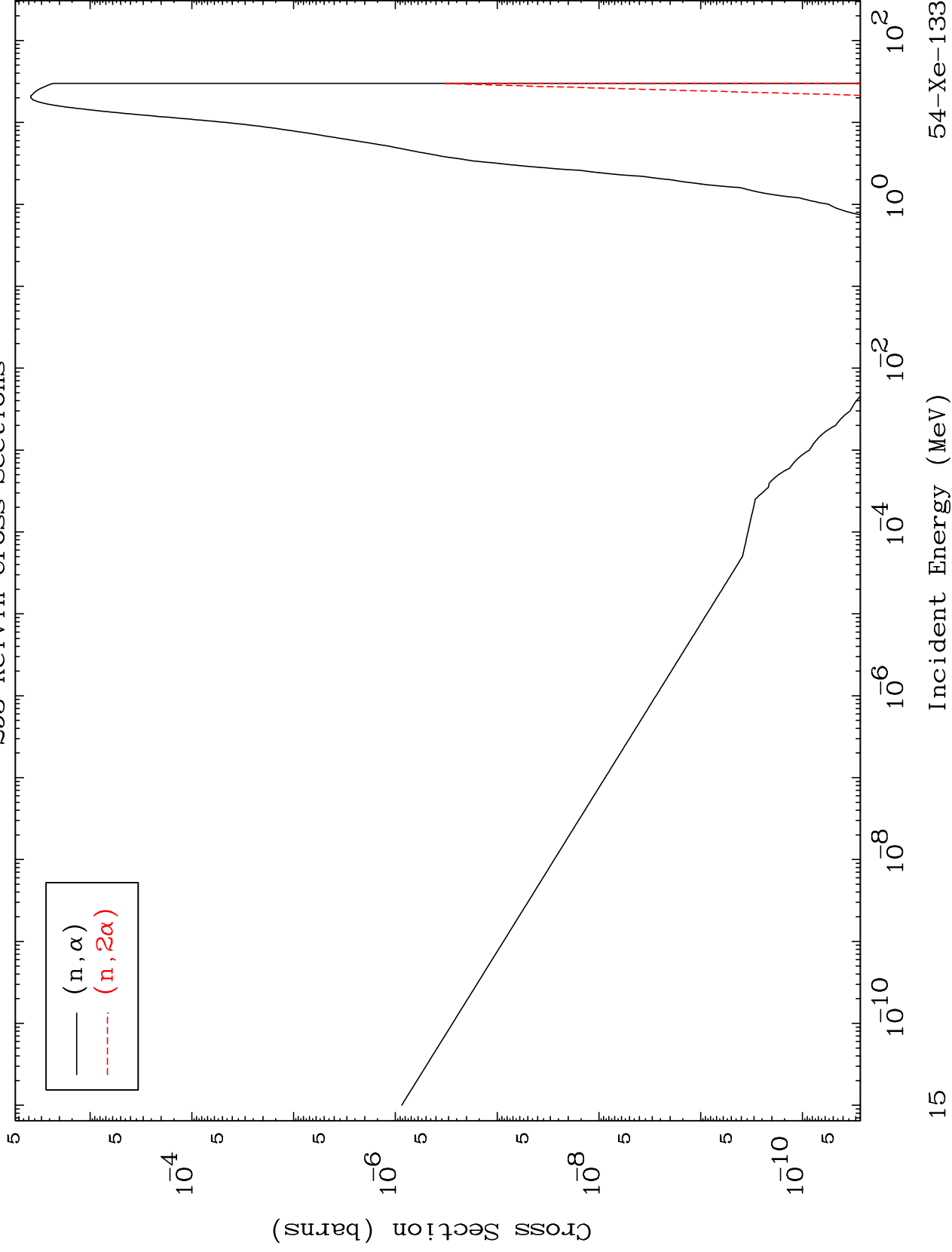
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

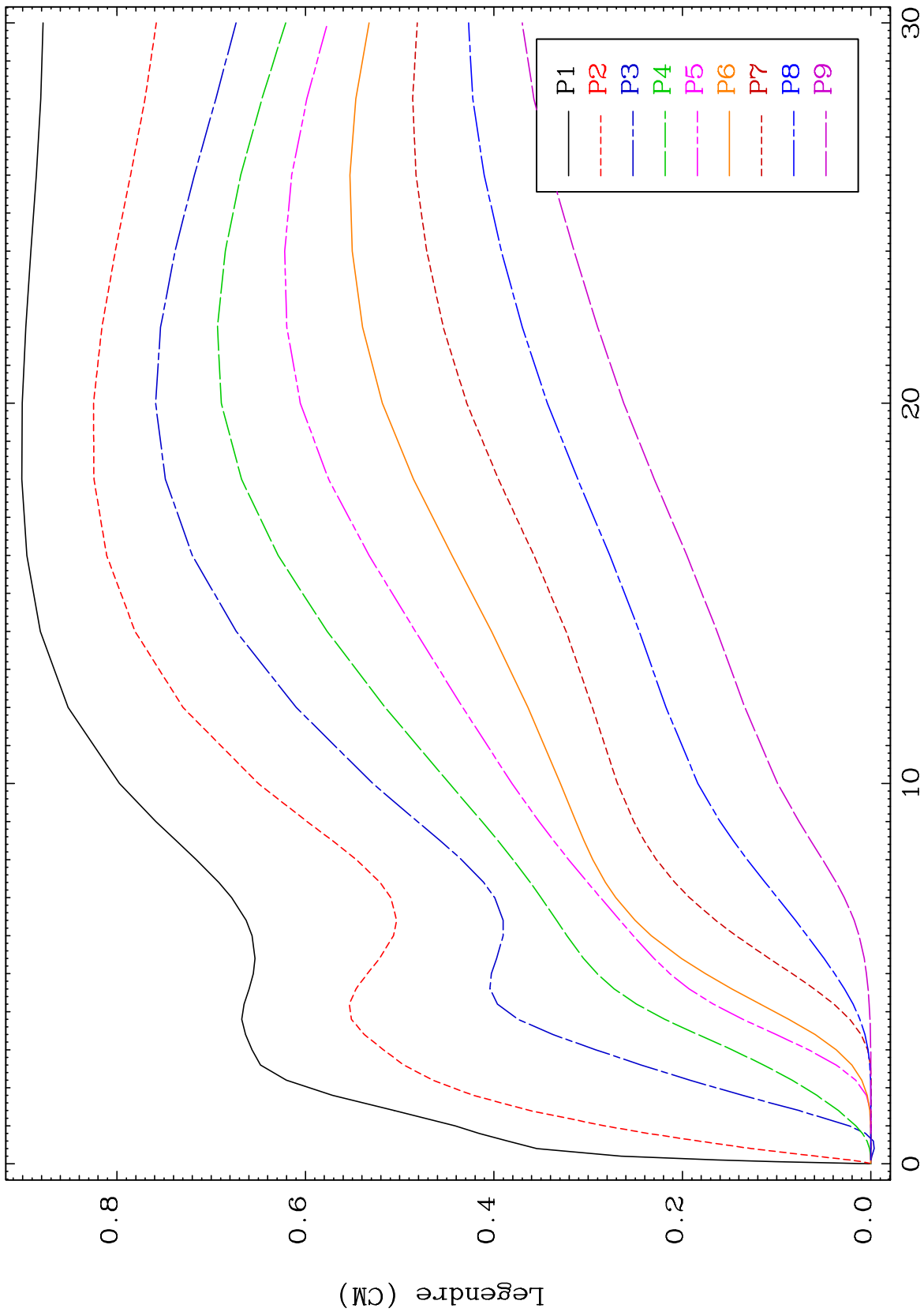
54-Xe-133



MAT 5452

54-Xe-133

Elastic Legendre Coefficients



54-Xe-133

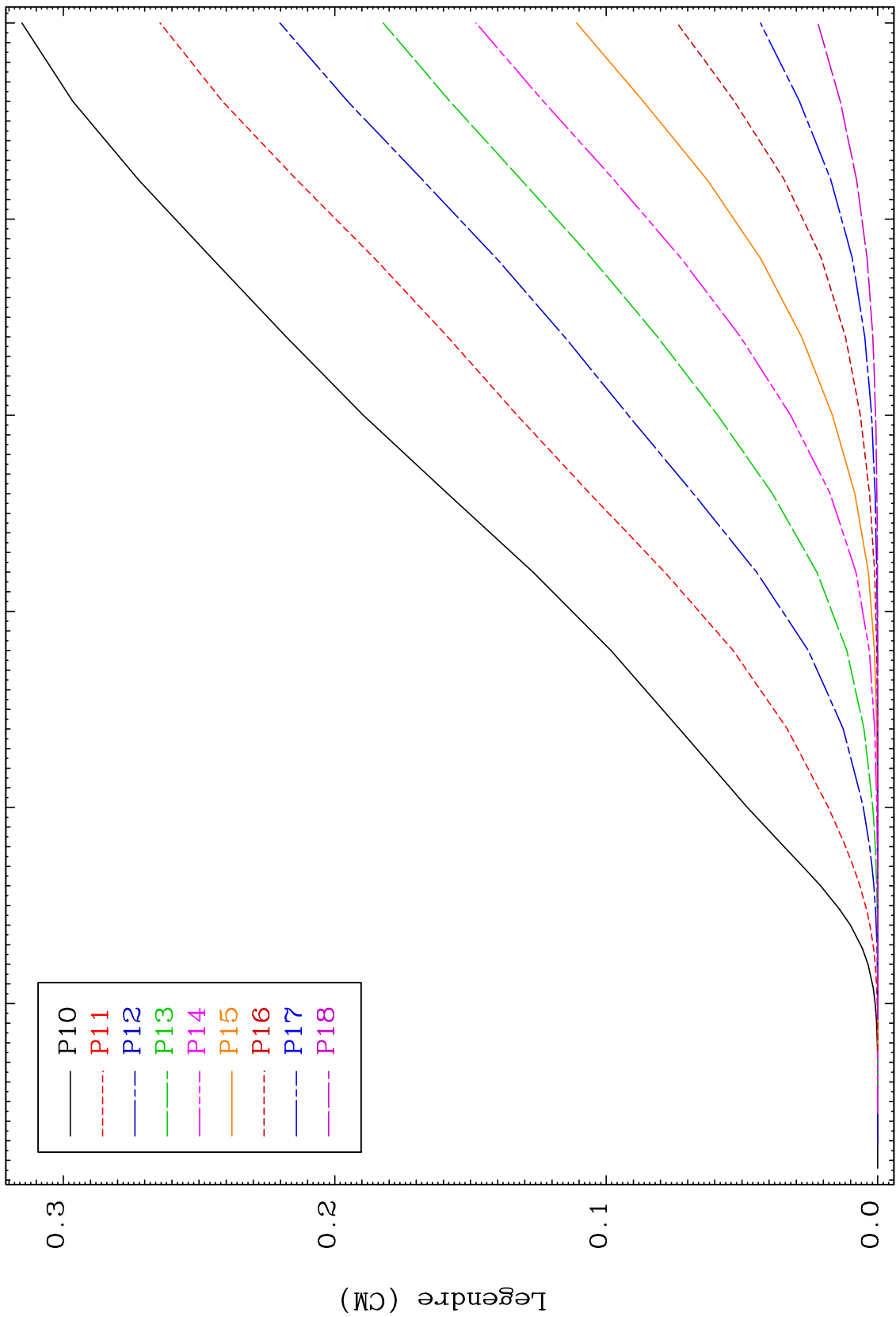
Incident Energy (MeV)

16

MAT 5452

Elastic Legendre Coefficients

54-Xe-133



17

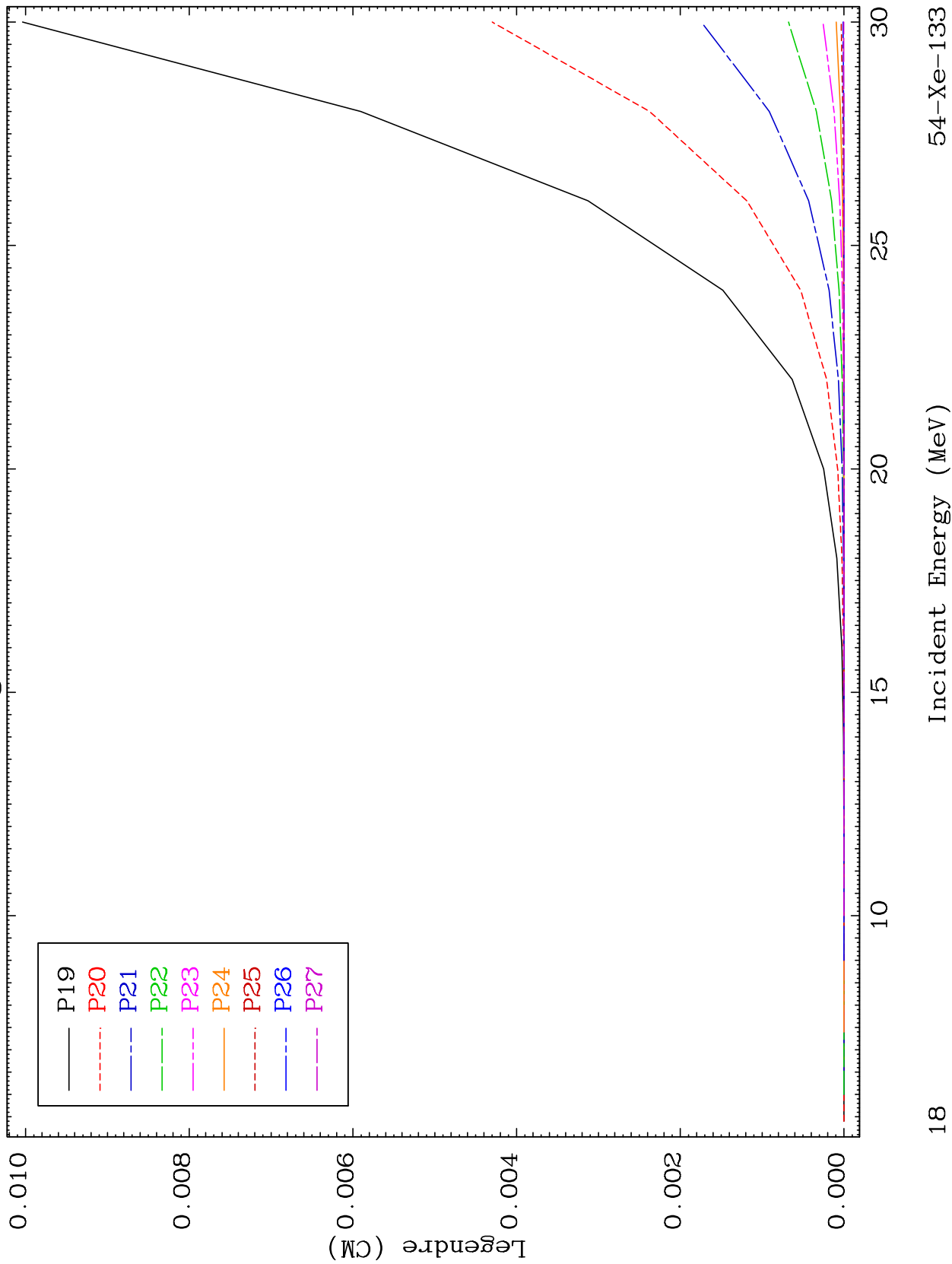
Incident Energy (MeV)

54-Xe-133

MAT 5452

### Elastic Legendre Coefficients

54-Xe-133



18

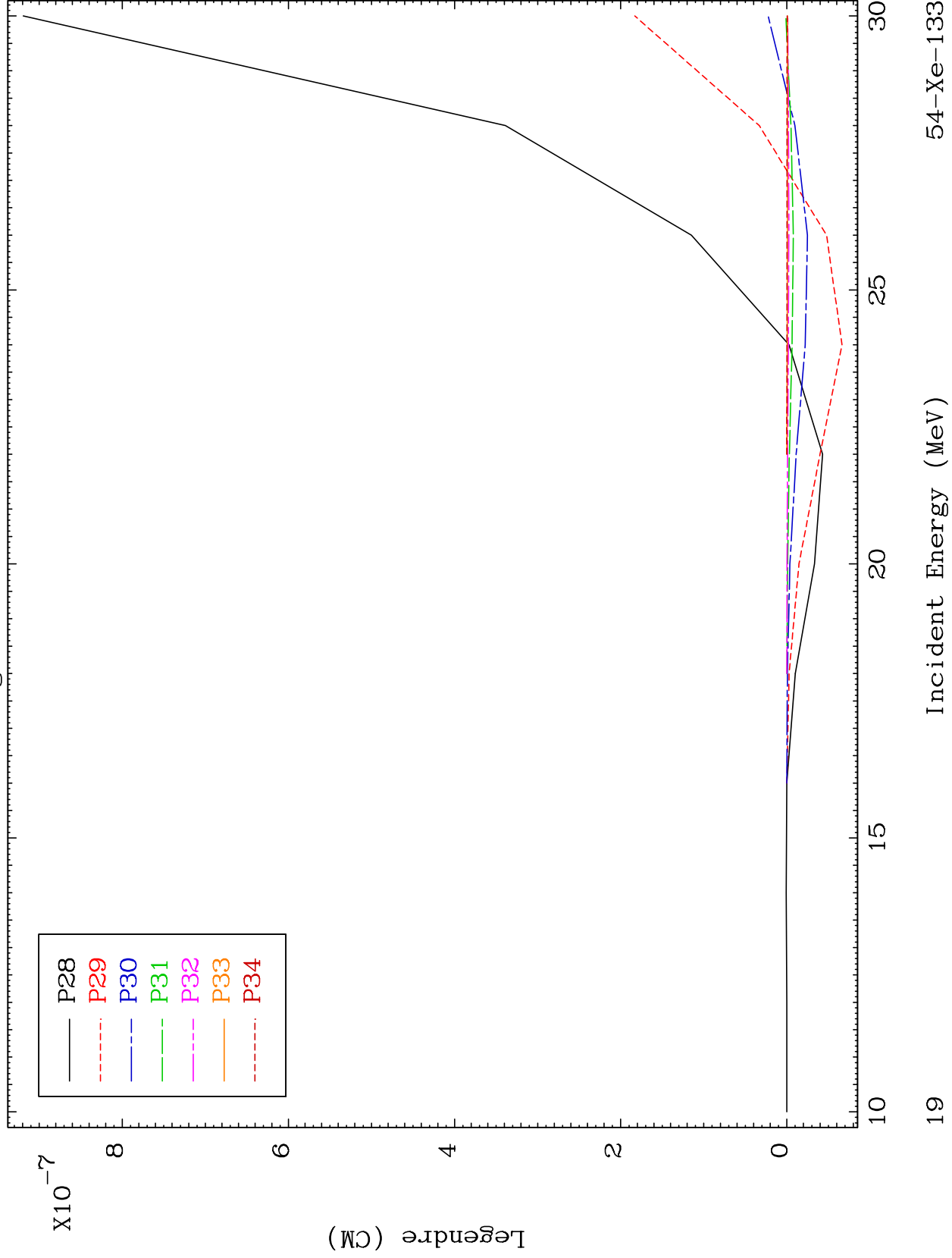
Incident Energy (MeV)

54-Xe-133

MAT 5452

Elastic Legendre Coefficients

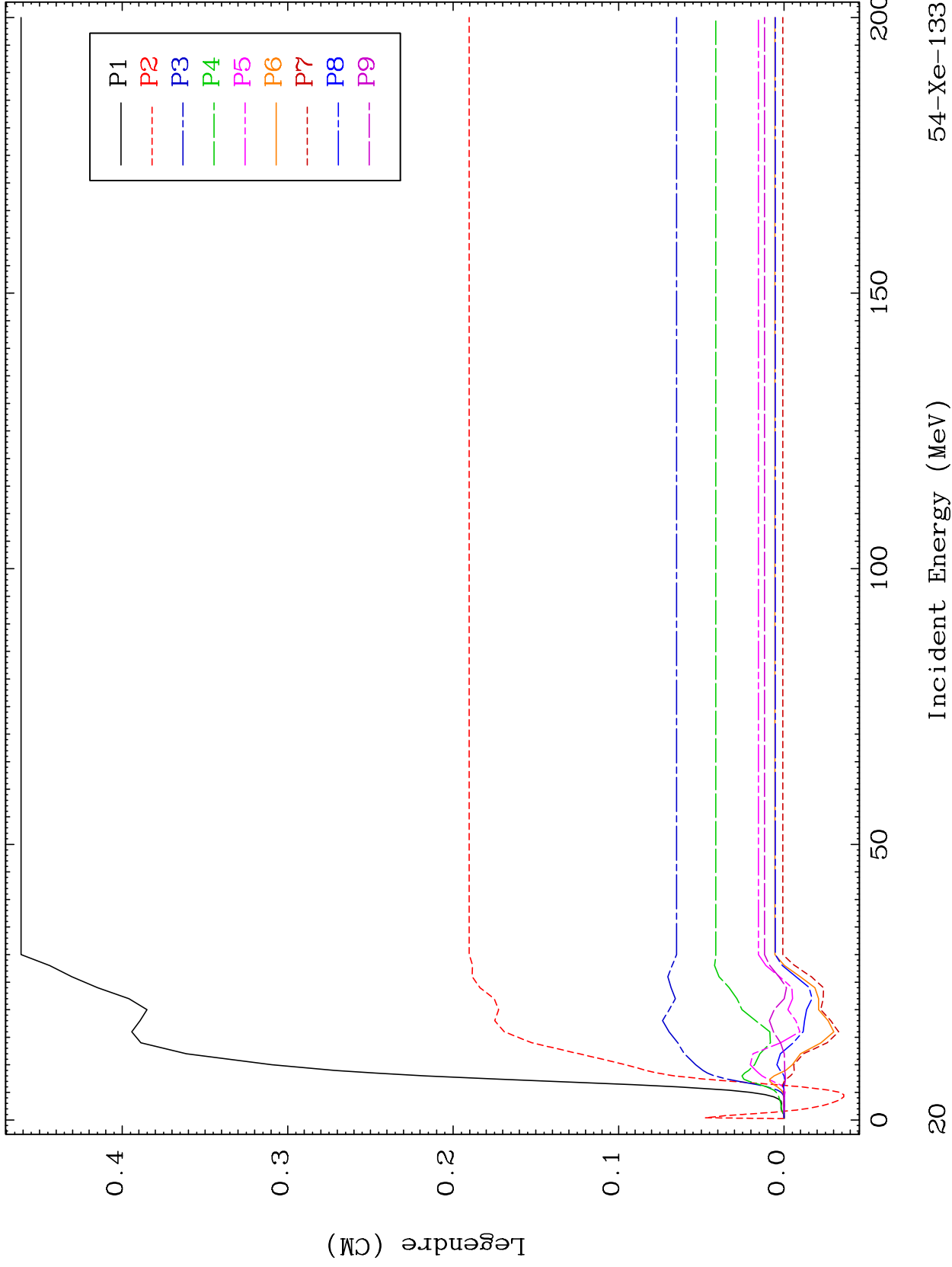
54-Xe-133



MAT 5452

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

54-Xe-133



54-Xe-133

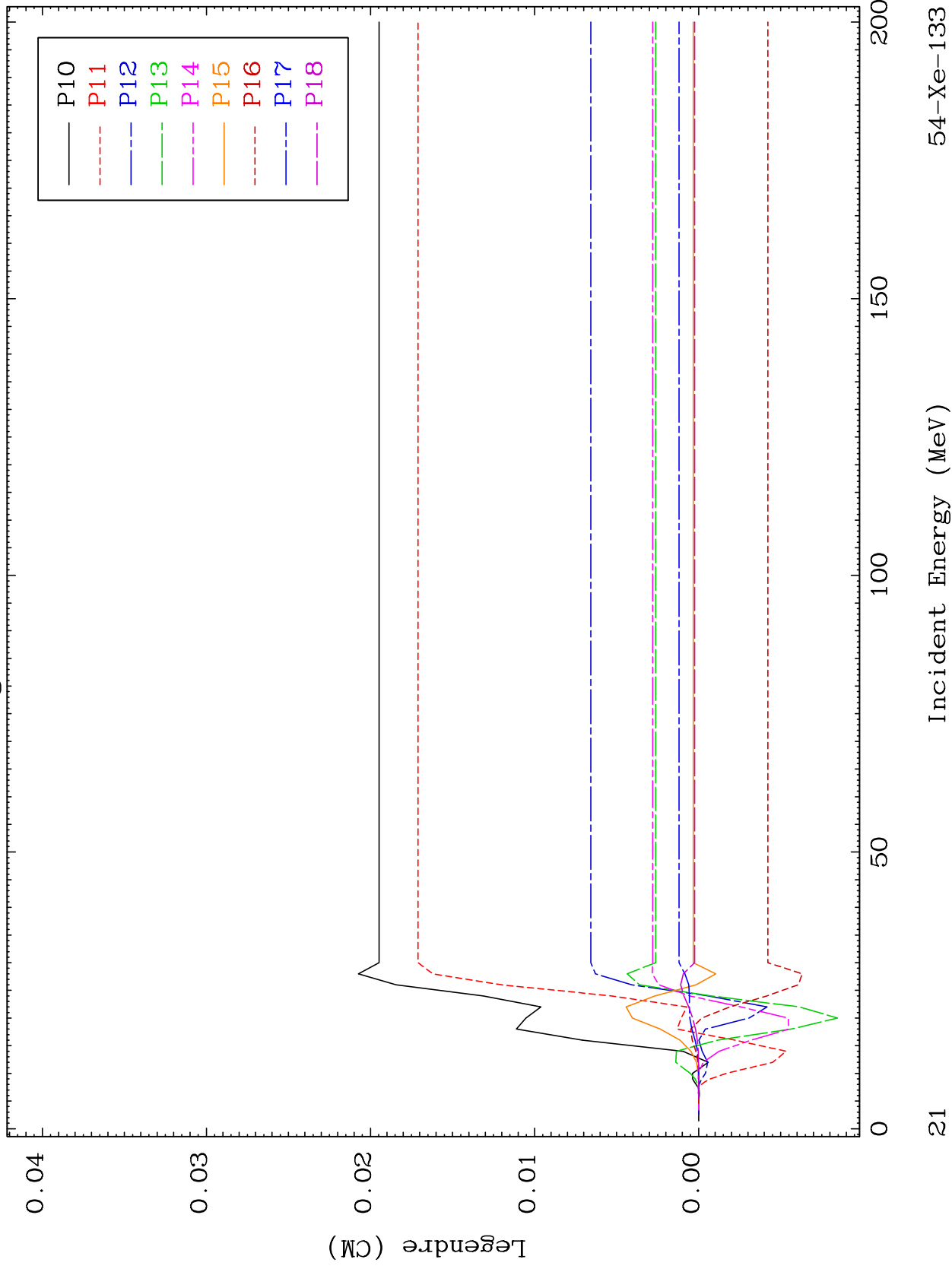
Incident Energy (MeV)

0

MAT 5452

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

54-Xe-133



54-Xe-133

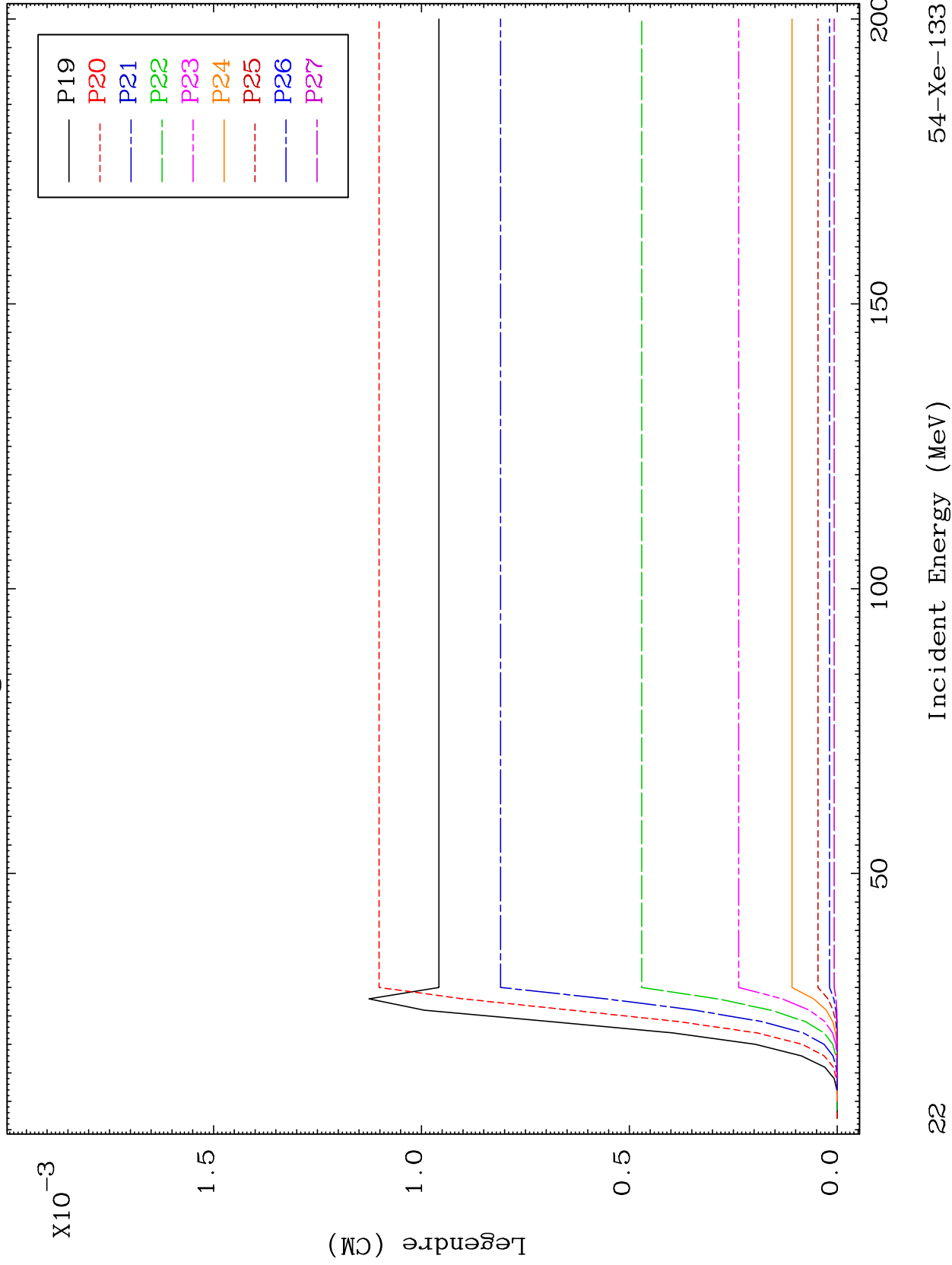
Incident Energy (MeV)

21

MAT 5452

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

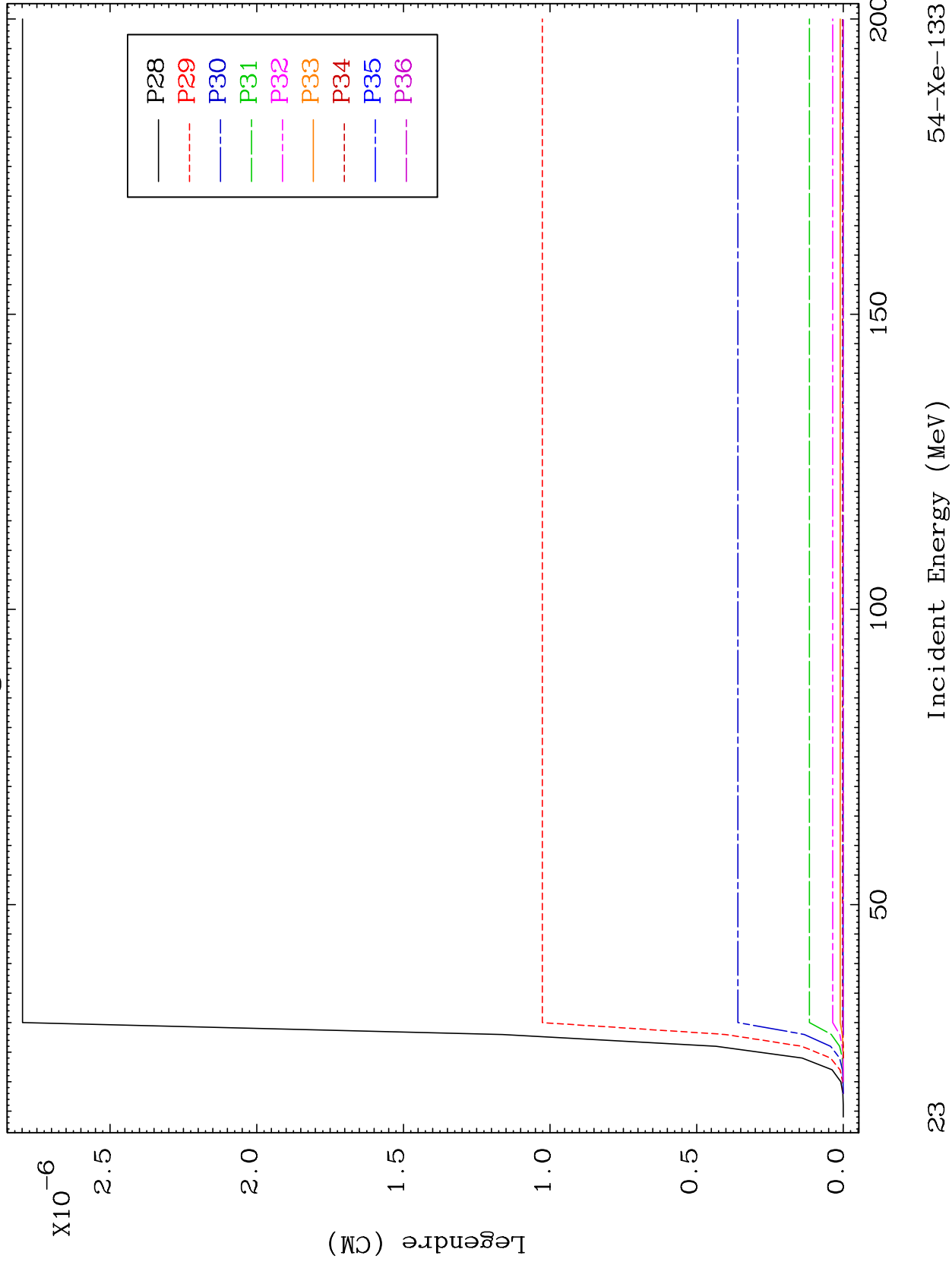
54-Xe-133



MAT 5452

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

54-Xe-133

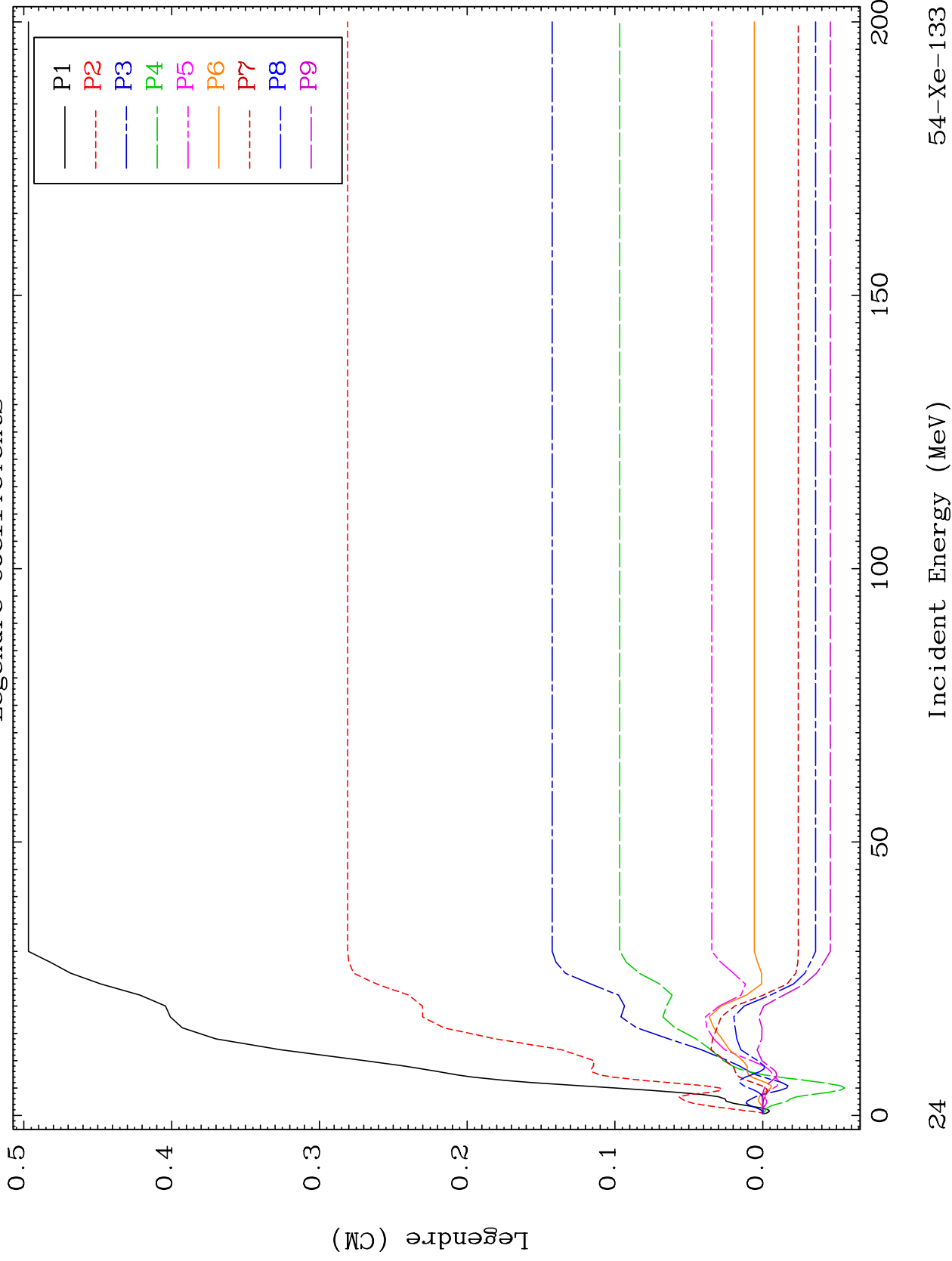


MAT 5452

MT= 52 (n,n') Level

54-Xe-133

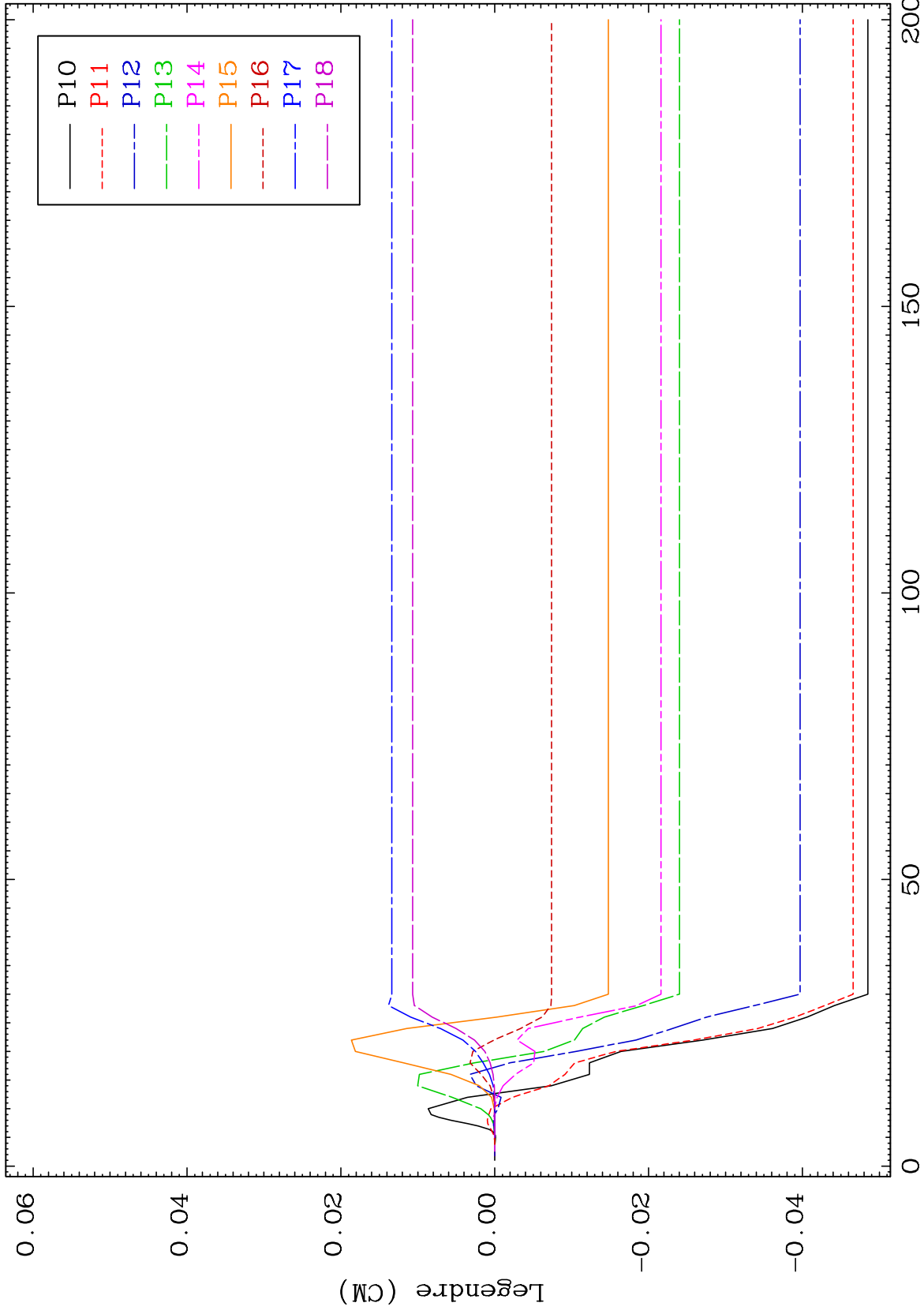
Legendre Coefficients



MAT 5452

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

54-Xe-133



25

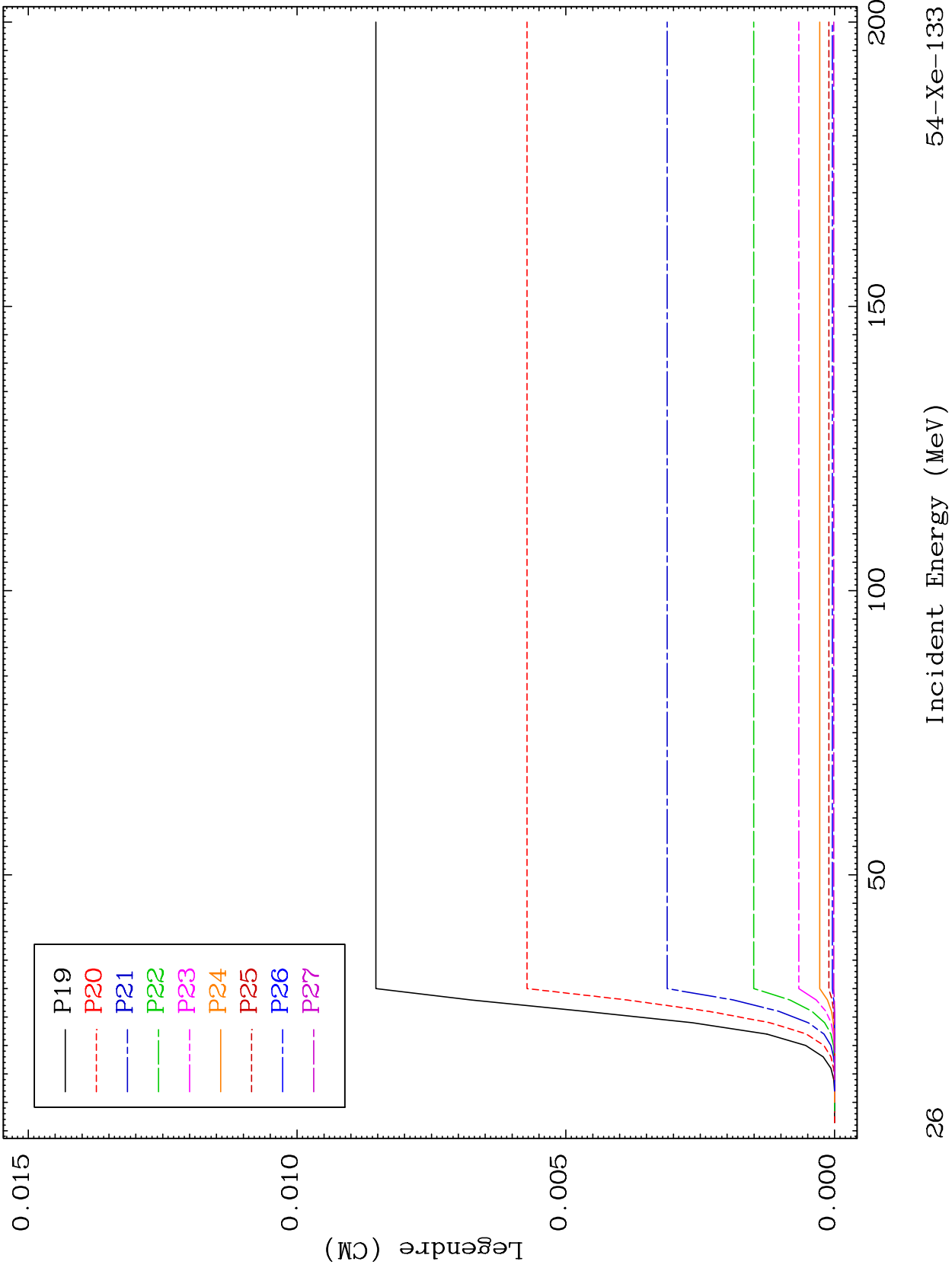
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



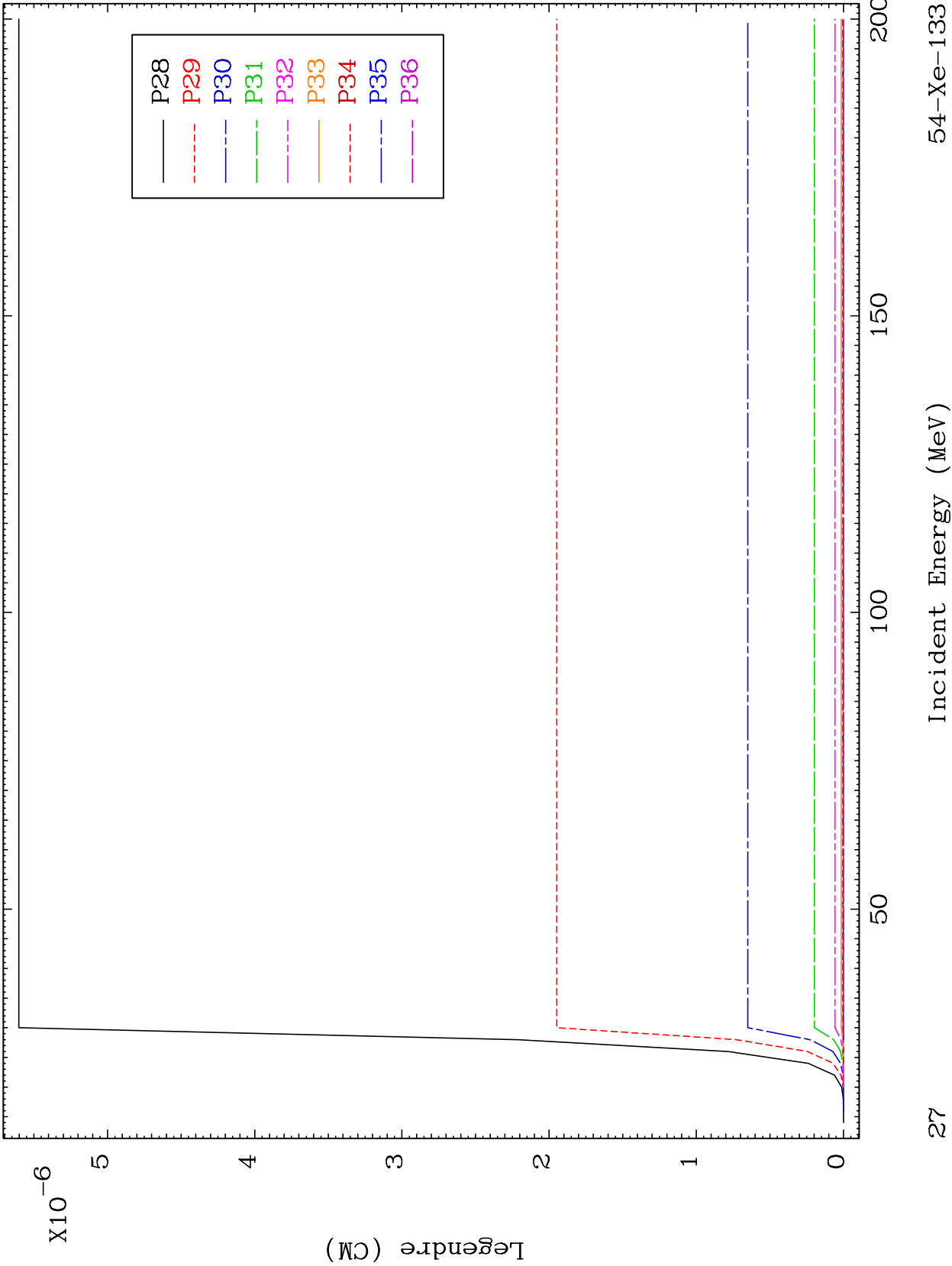
26

54-Xe-133

MAT 5452

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

54-Xe-133



27

Incident Energy (MeV)

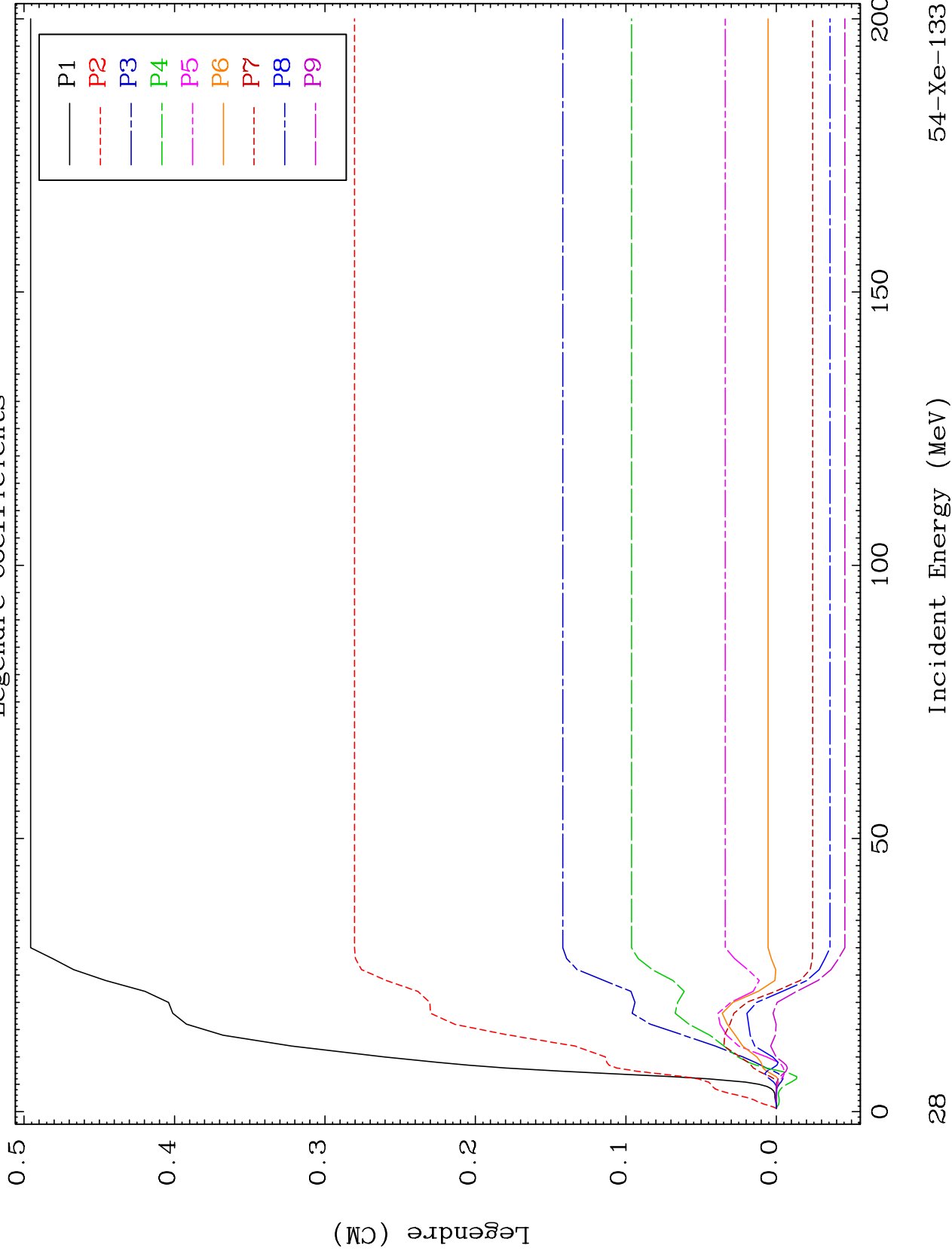
54-Xe-133

MAT 5452

MT= 53 (n,n') Level

54-Xe-133

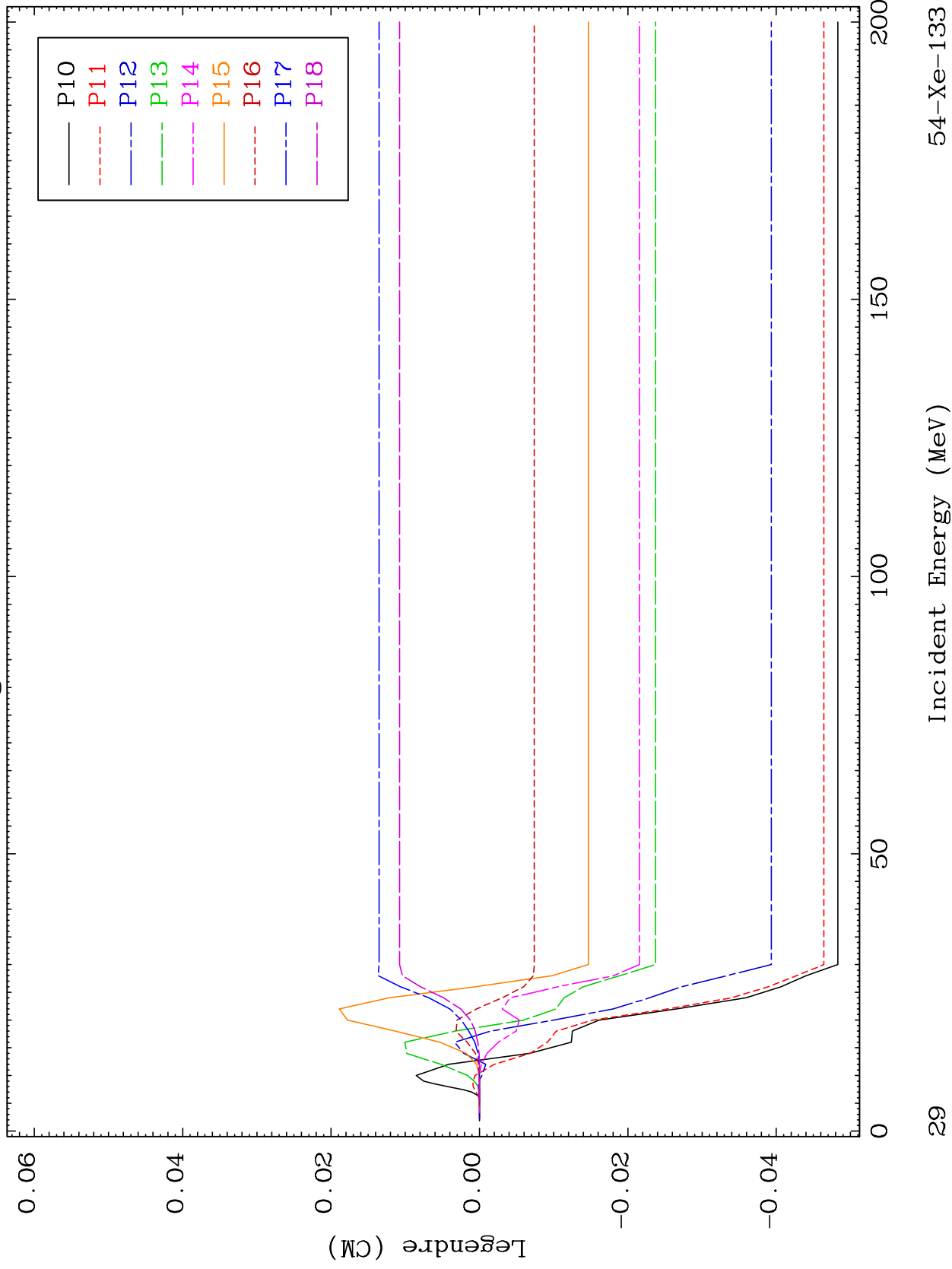
Legendre Coefficients



MAT 5452

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

54-Xe-133



29

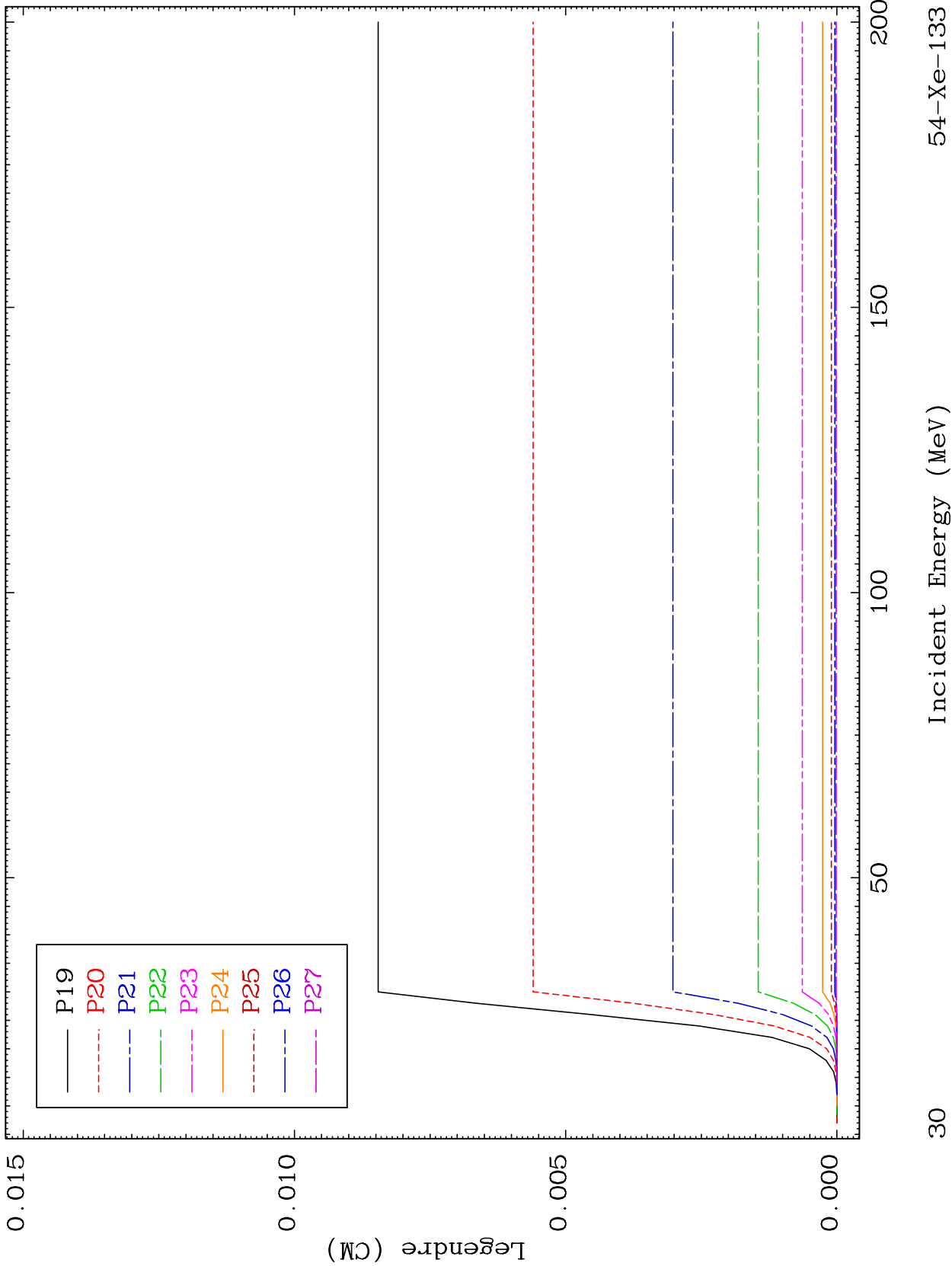
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



30

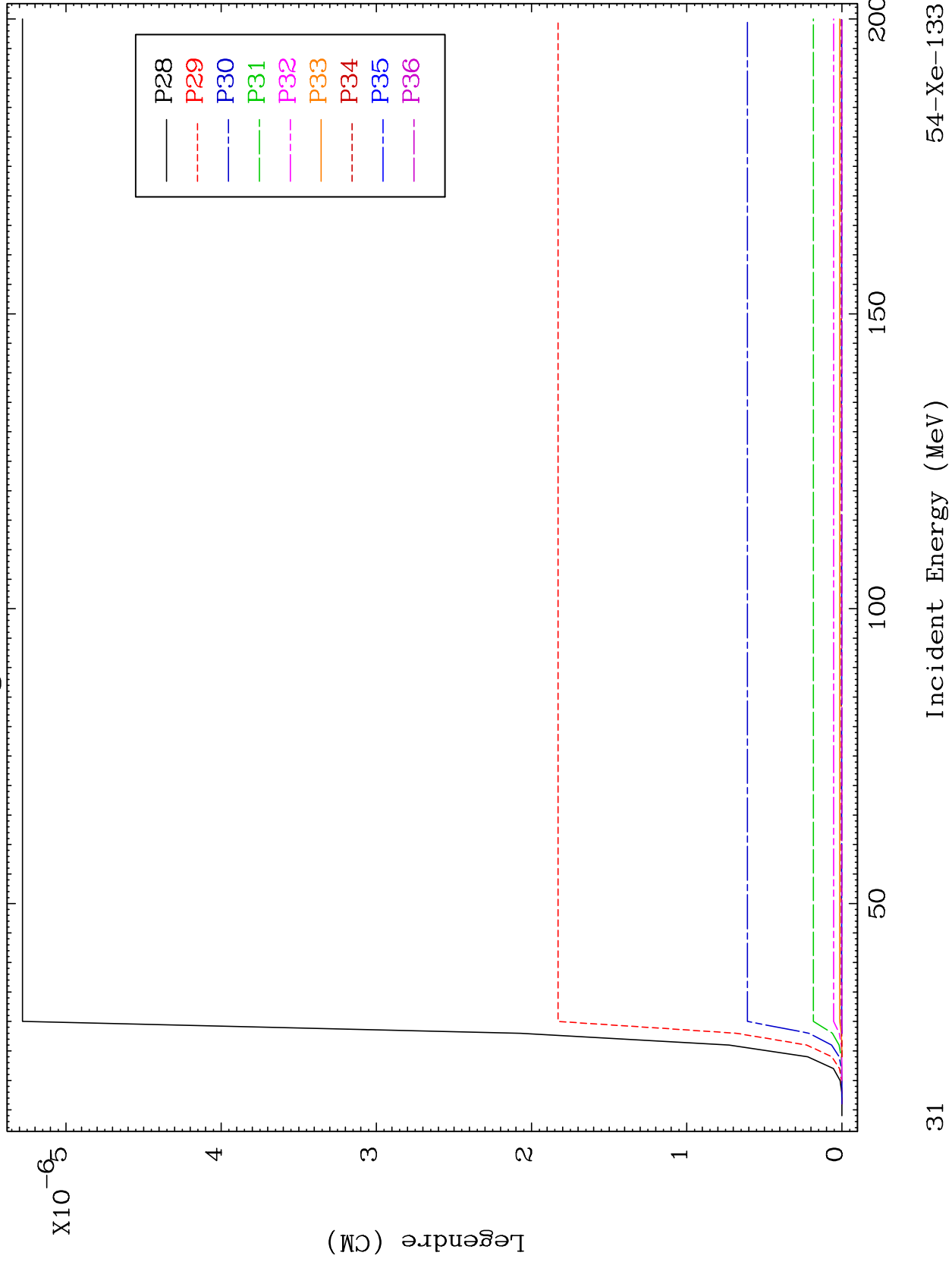
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



31

Incident Energy (MeV)

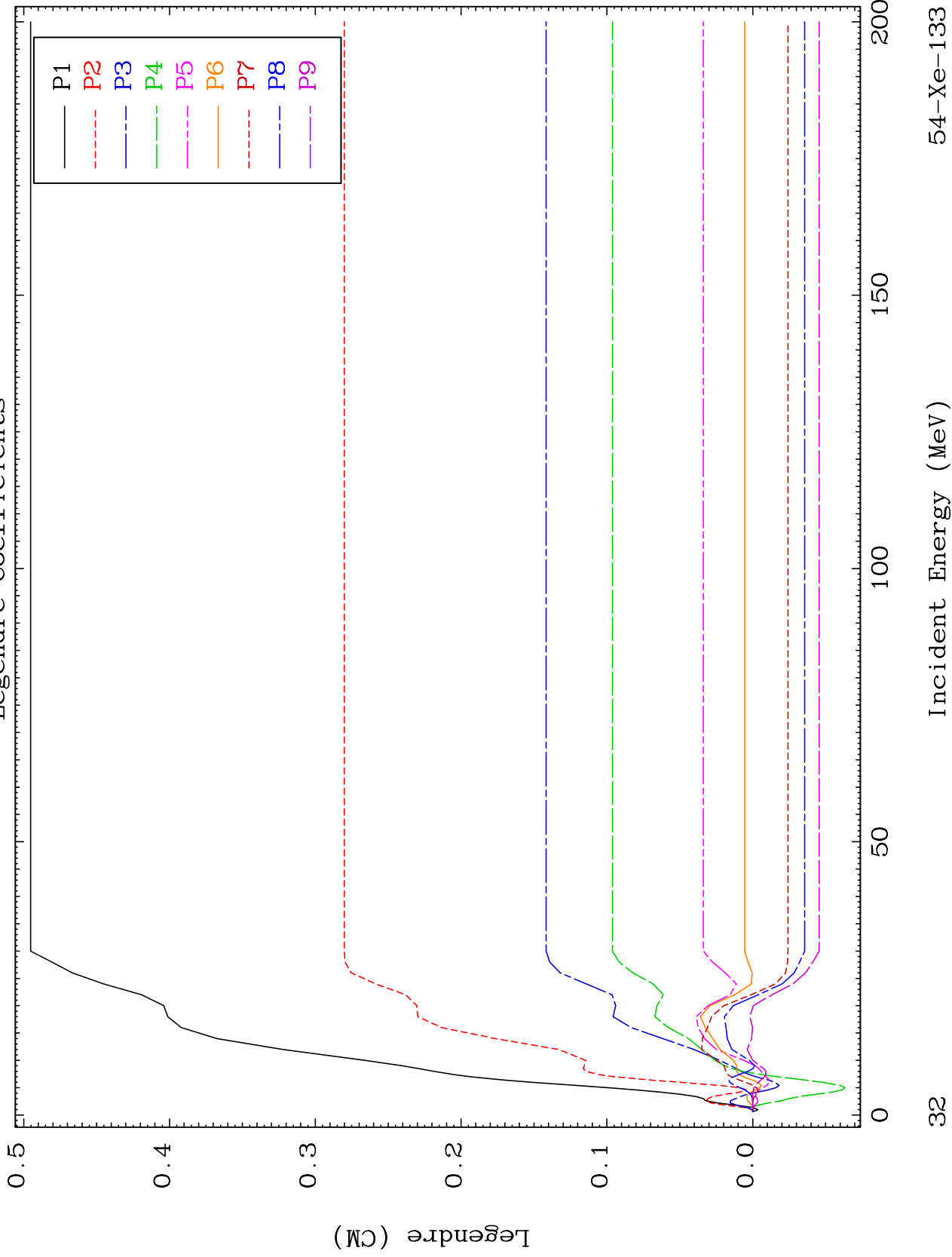
54-Xe-133

MAT 5452

MT= 54 (n,n') Level

54-Xe-133

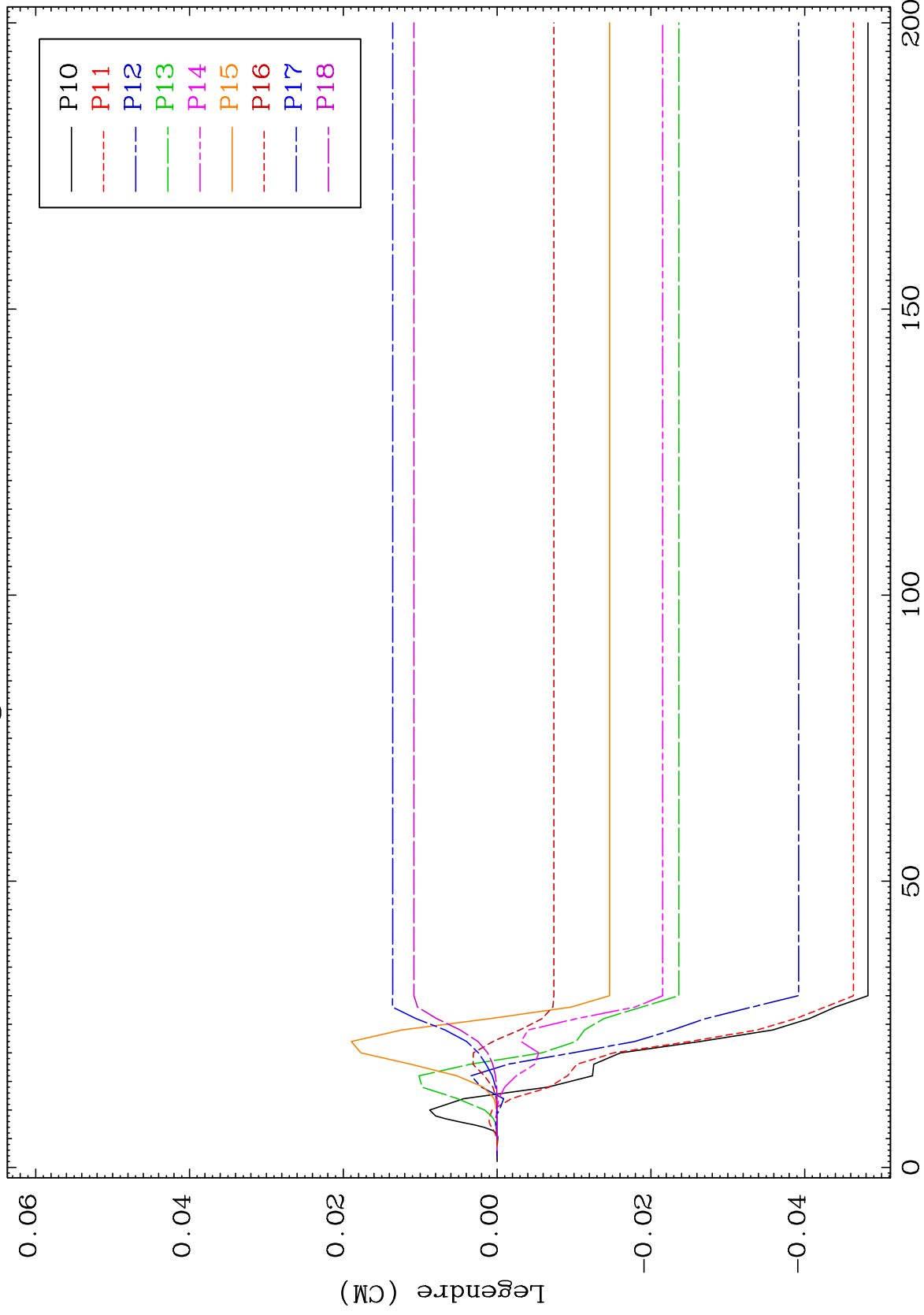
Legendre Coefficients



MAT 5452

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

54-Xe-133



33

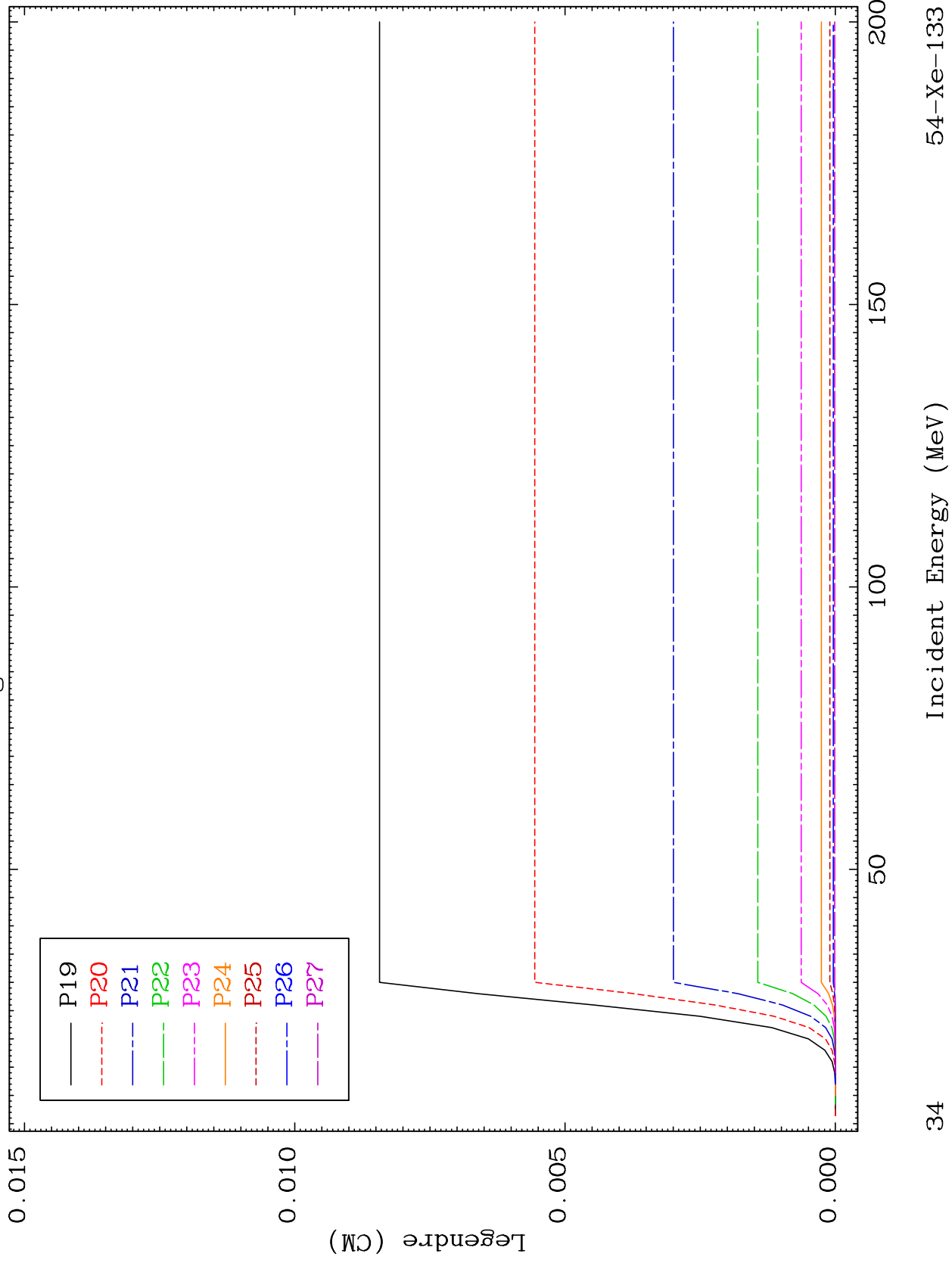
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



34

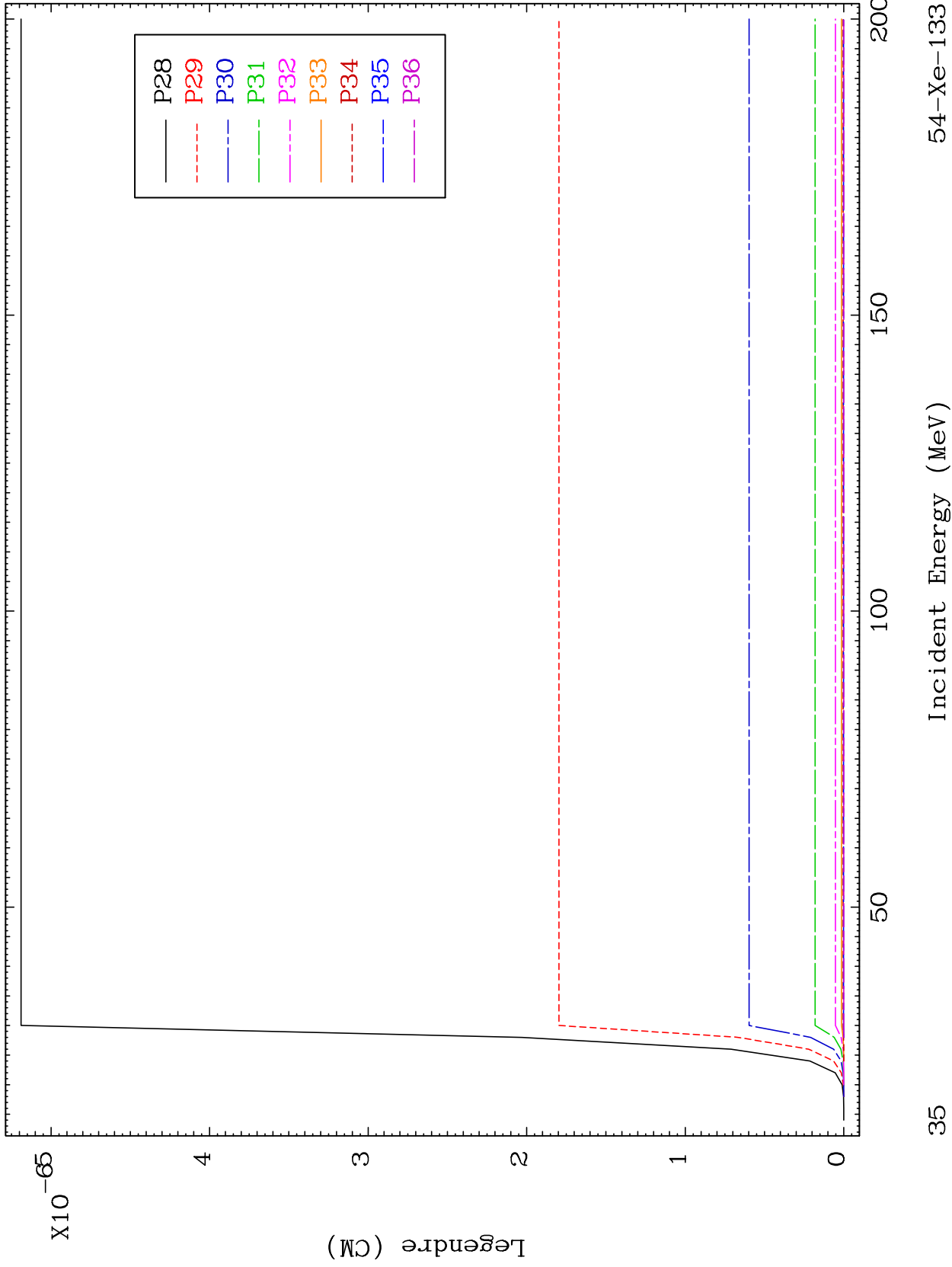
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



35

Incident Energy (MeV)

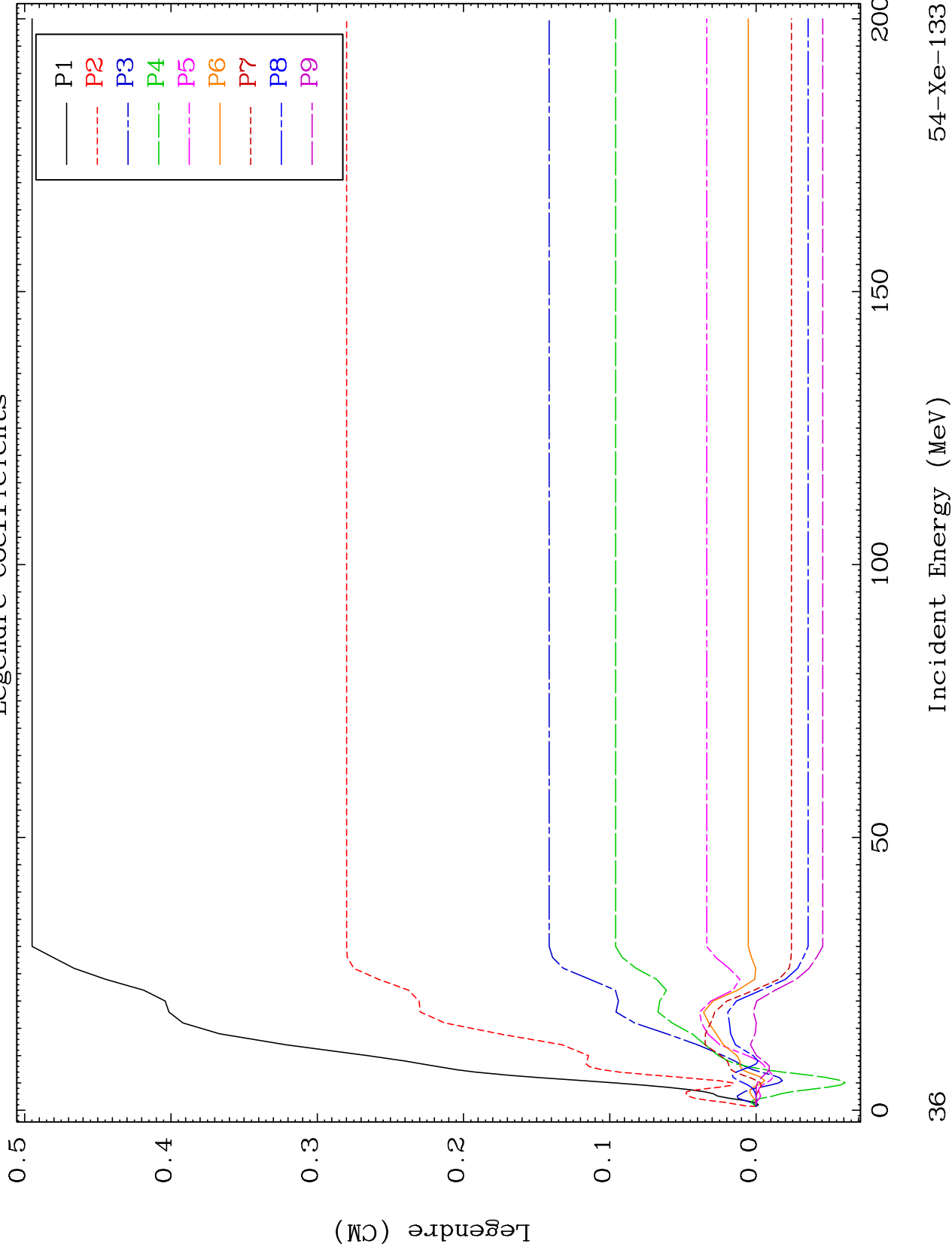
54-Xe-133

MAT 5452

MT= 55 (n,n') Level

54-Xe-133

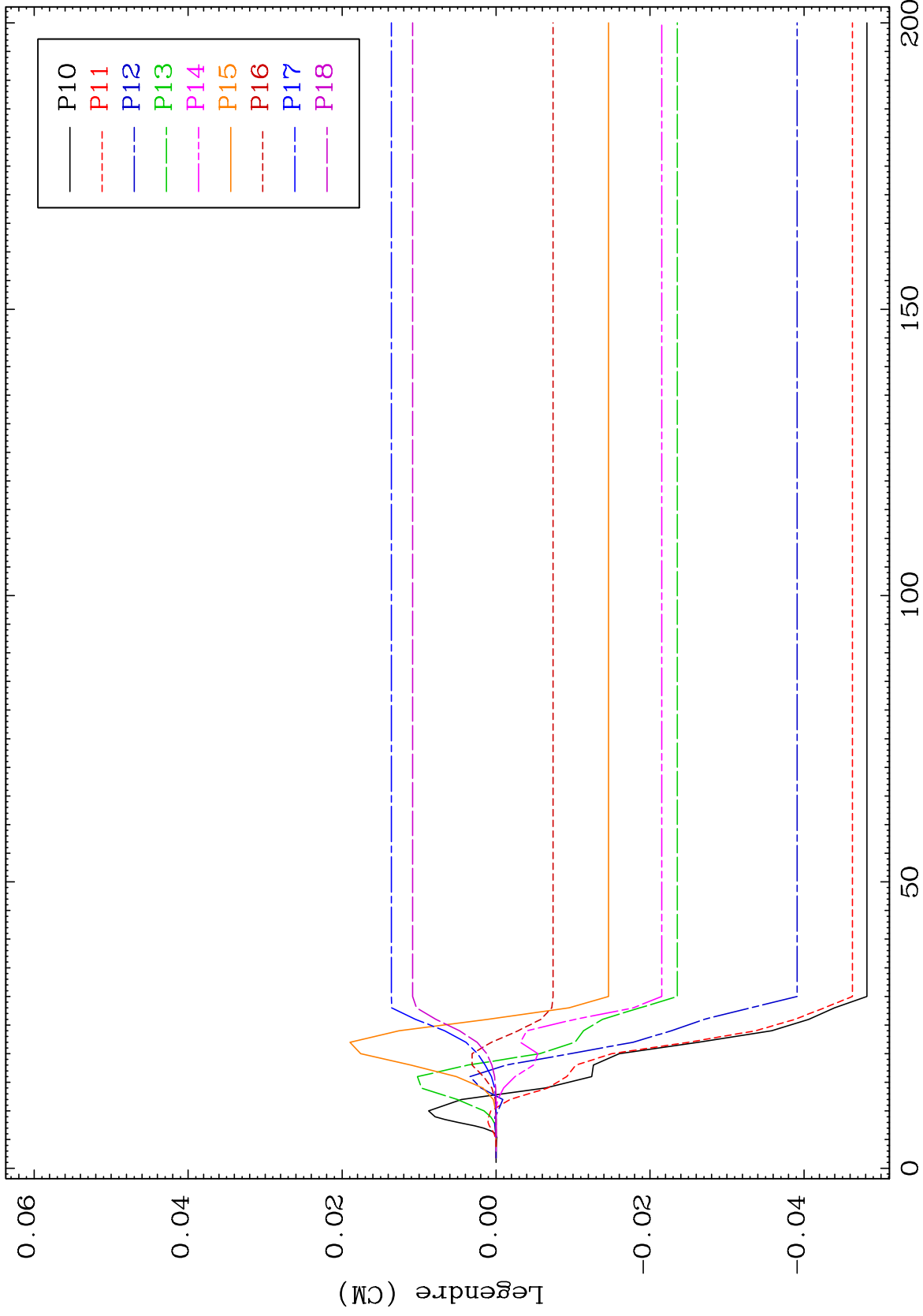
Legendre Coefficients



MAT 5452

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

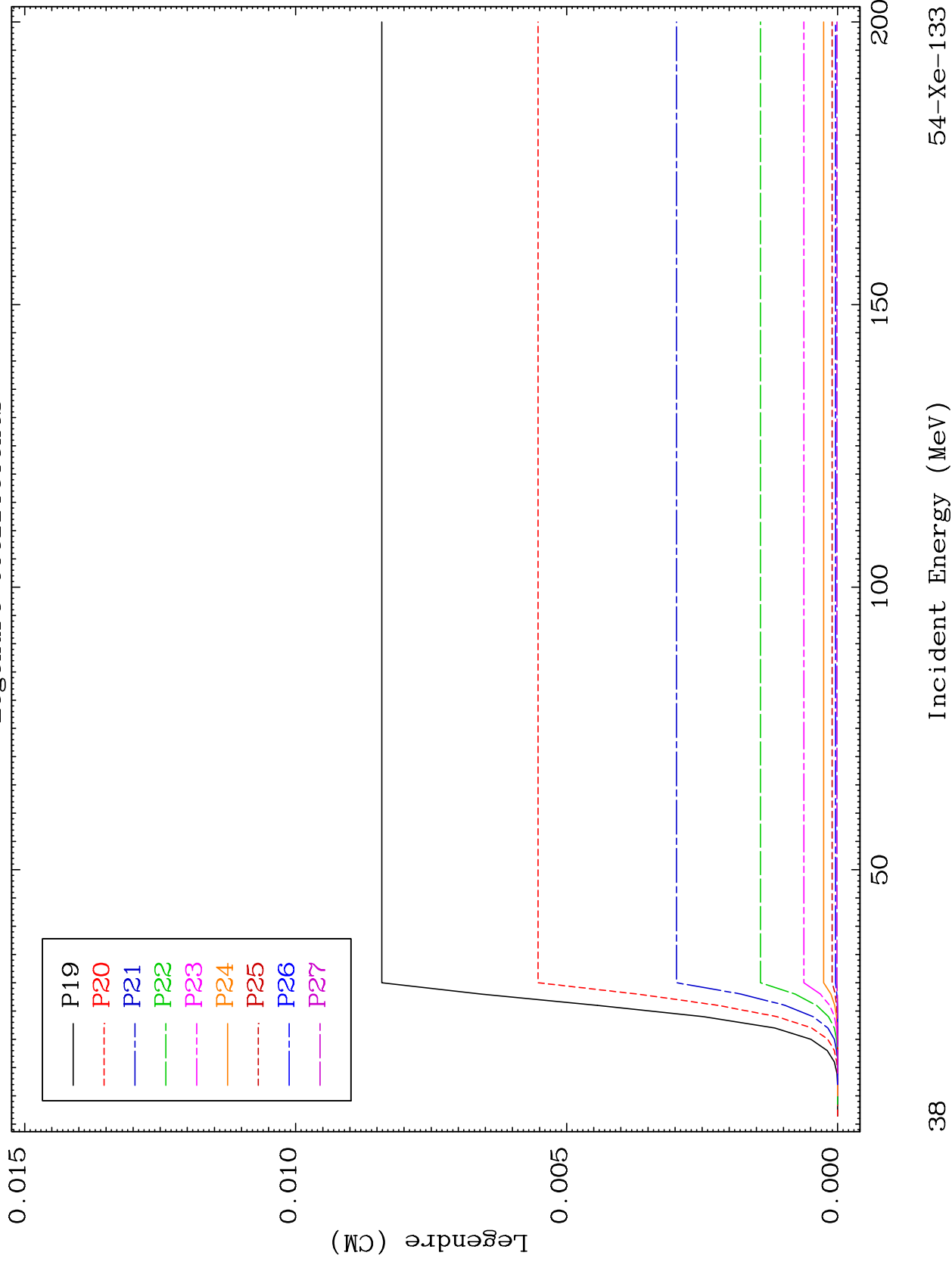
54-Xe-133



37

Incident Energy (MeV)

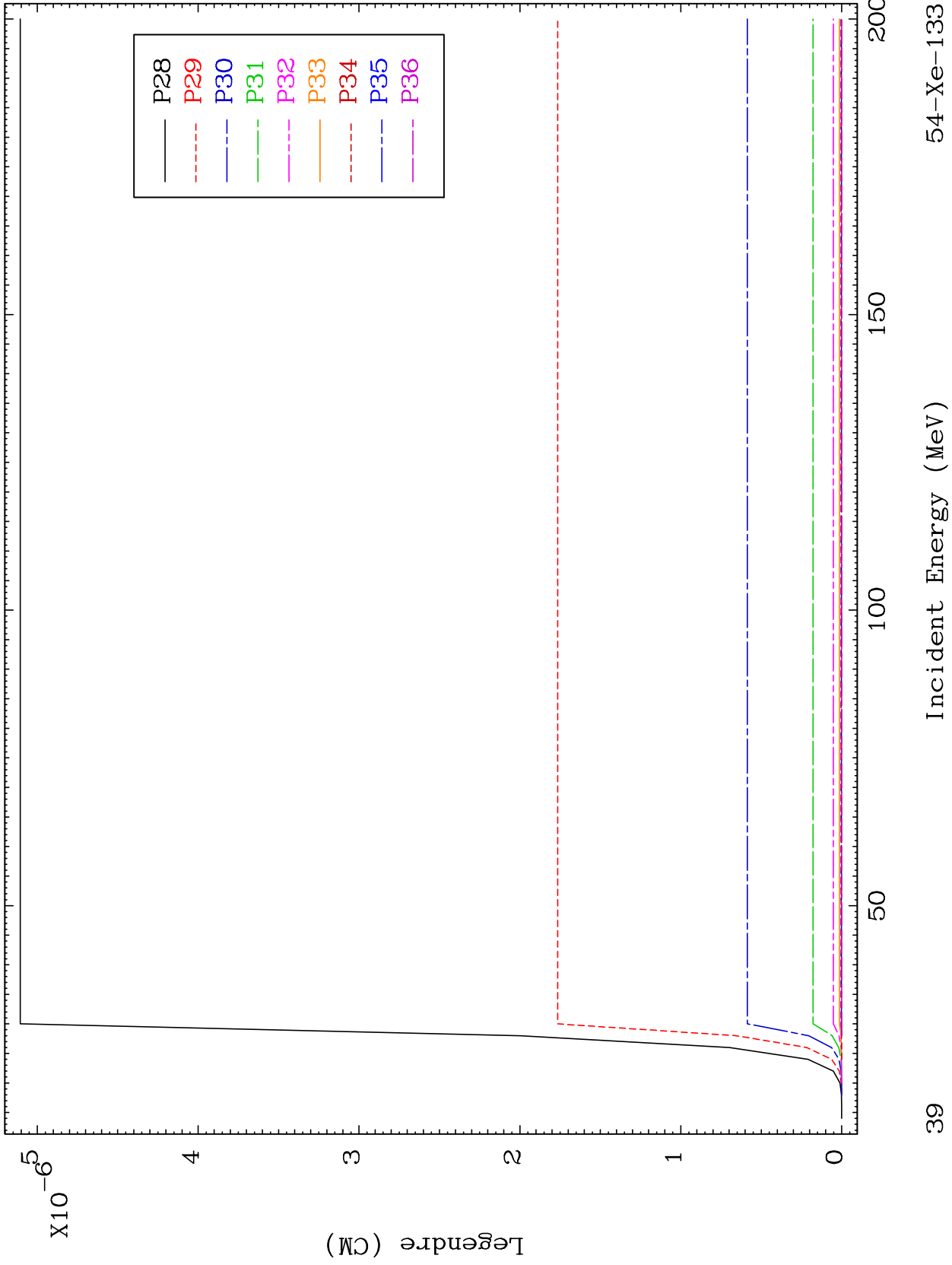
54-Xe-133



MAT 5452

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

54-Xe-133



39

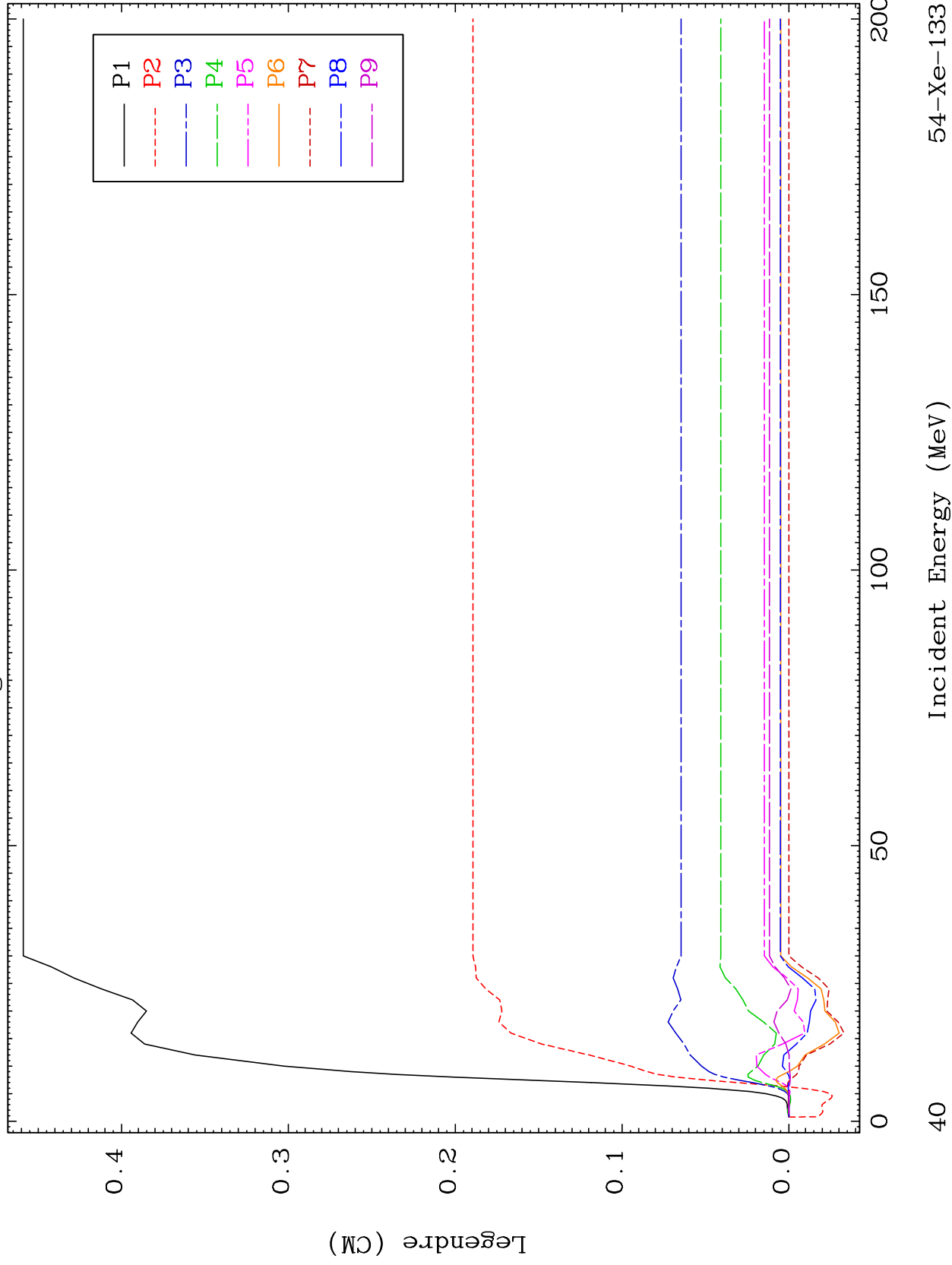
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



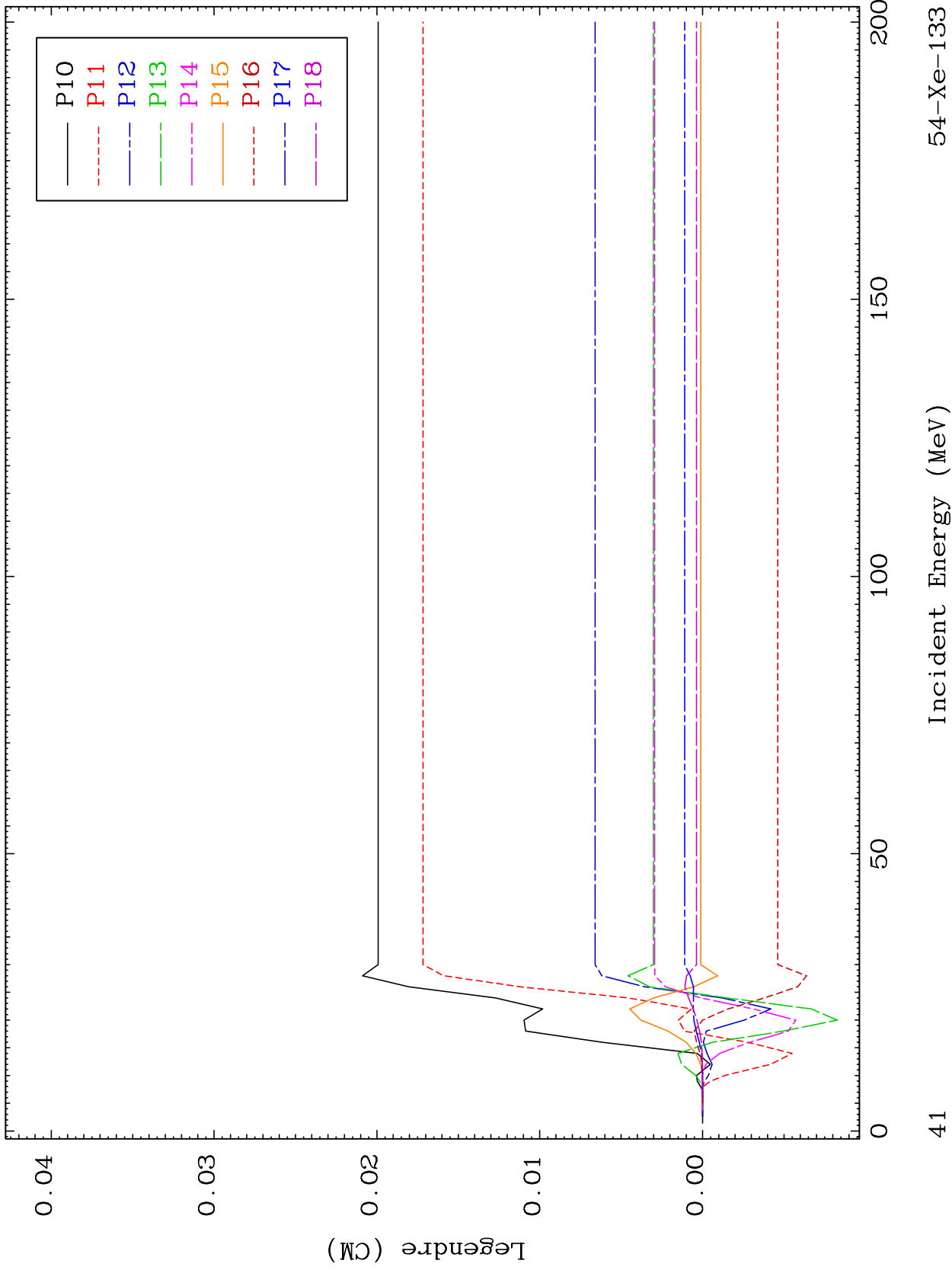
54-Xe-133

Incident Energy (MeV)

MAT 5452

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

54-Xe-133



54-Xe-133

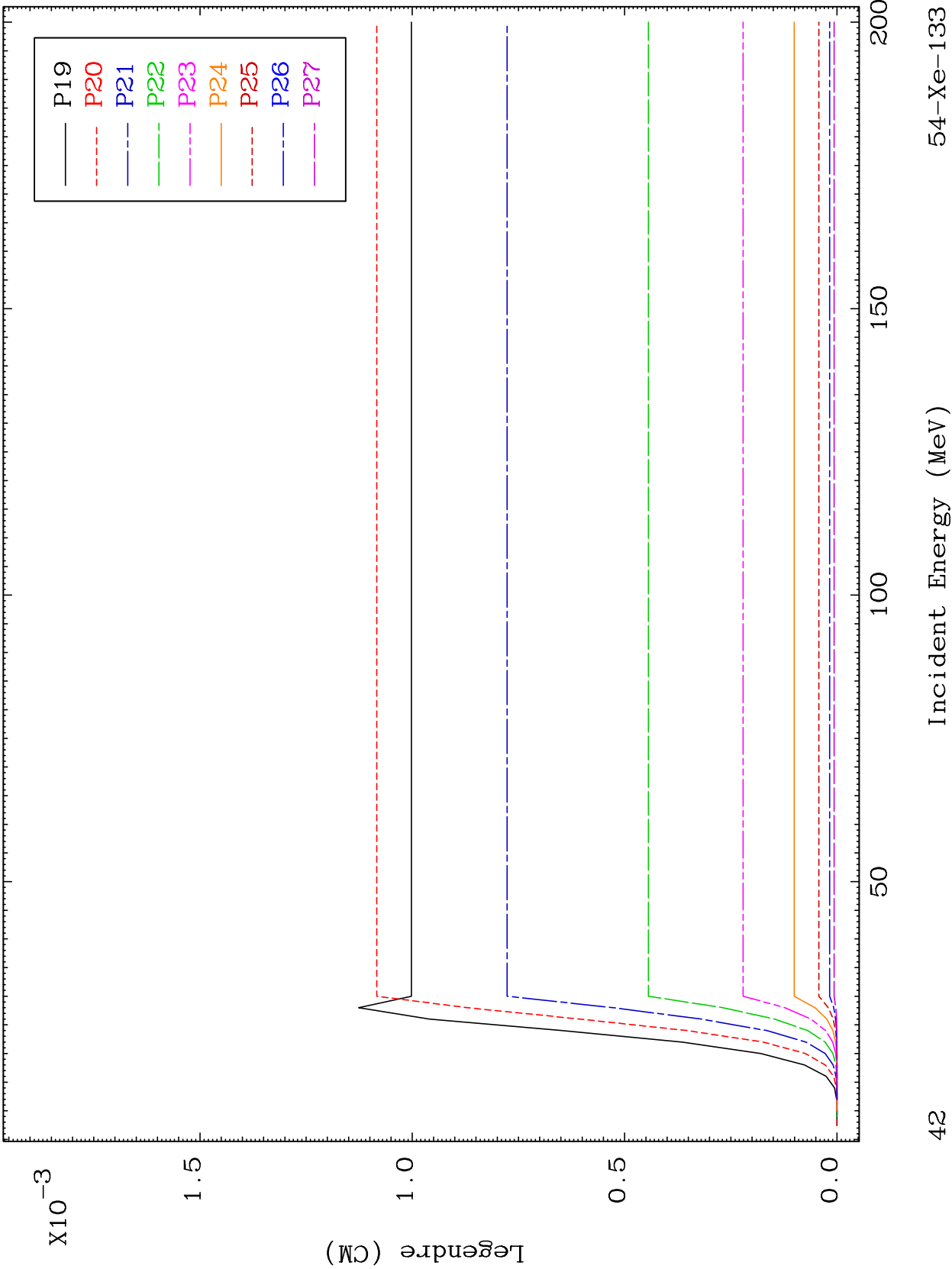
Incident Energy (MeV)

41

MAT 5452

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

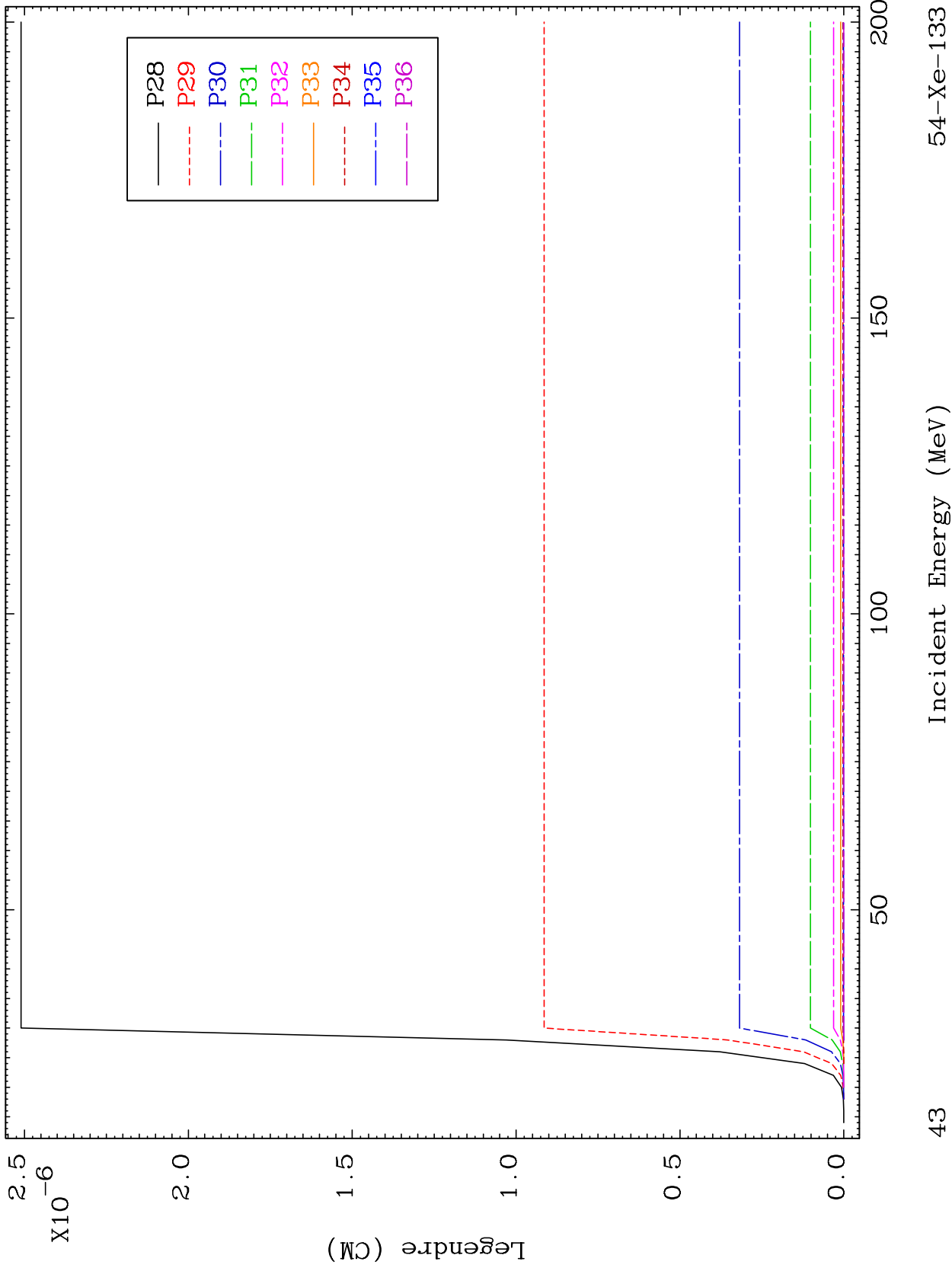
54-Xe-133



MAT 5452

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

54-Xe-133

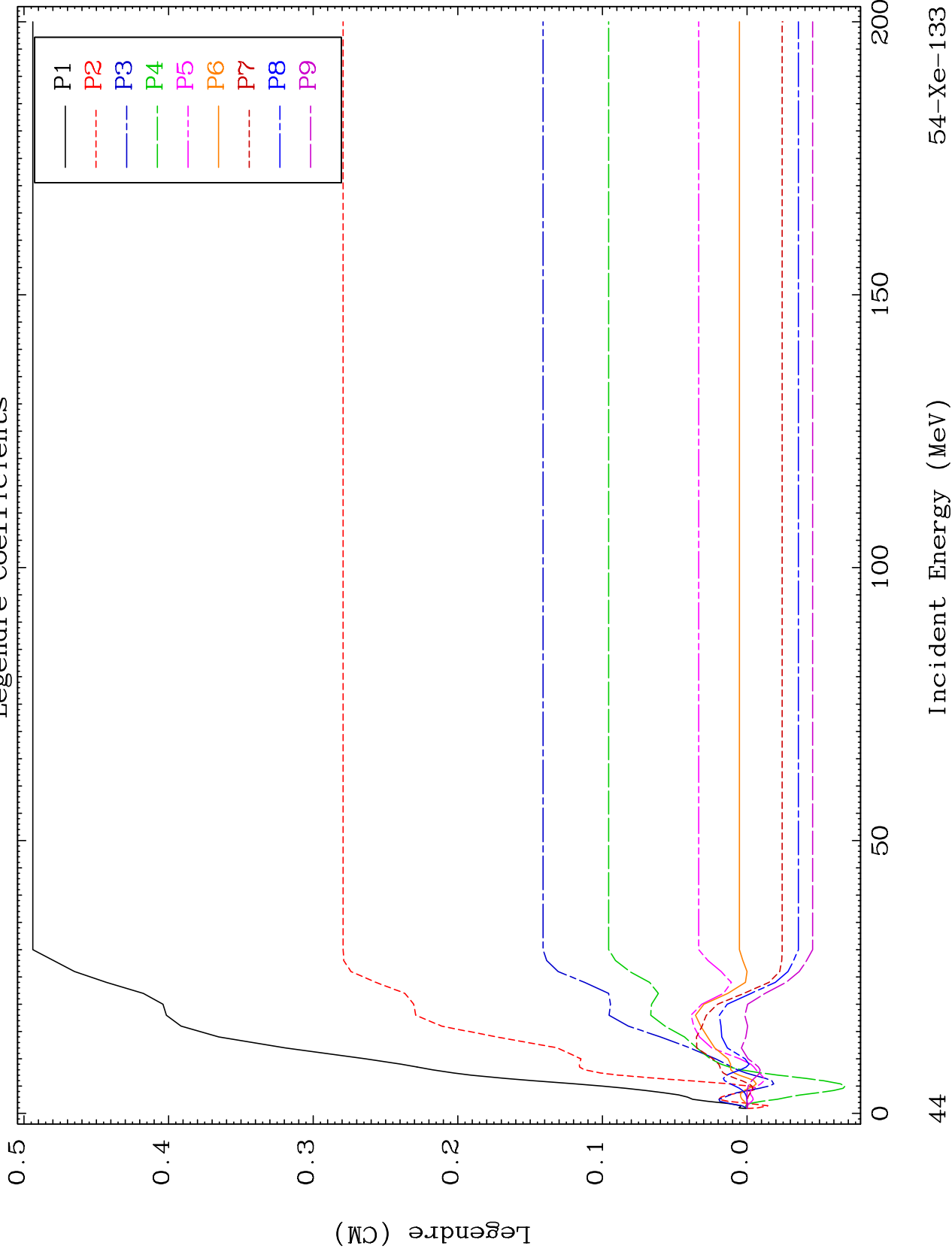


MAT 5452

MT= 57 (n,n') Level

54-Xe-133

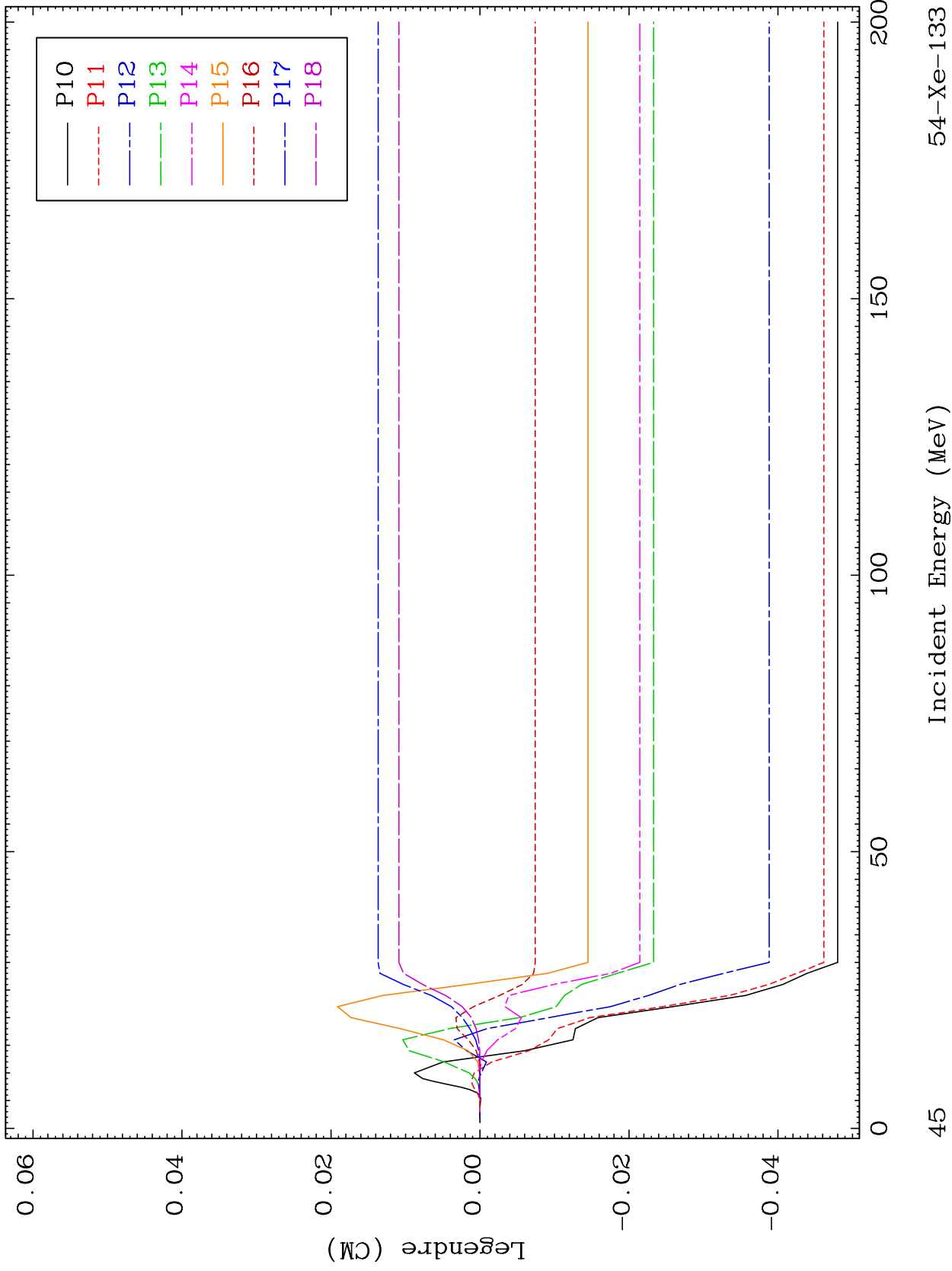
Legendre Coefficients



MAT 5452

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

54-Xe-133



54-Xe-133

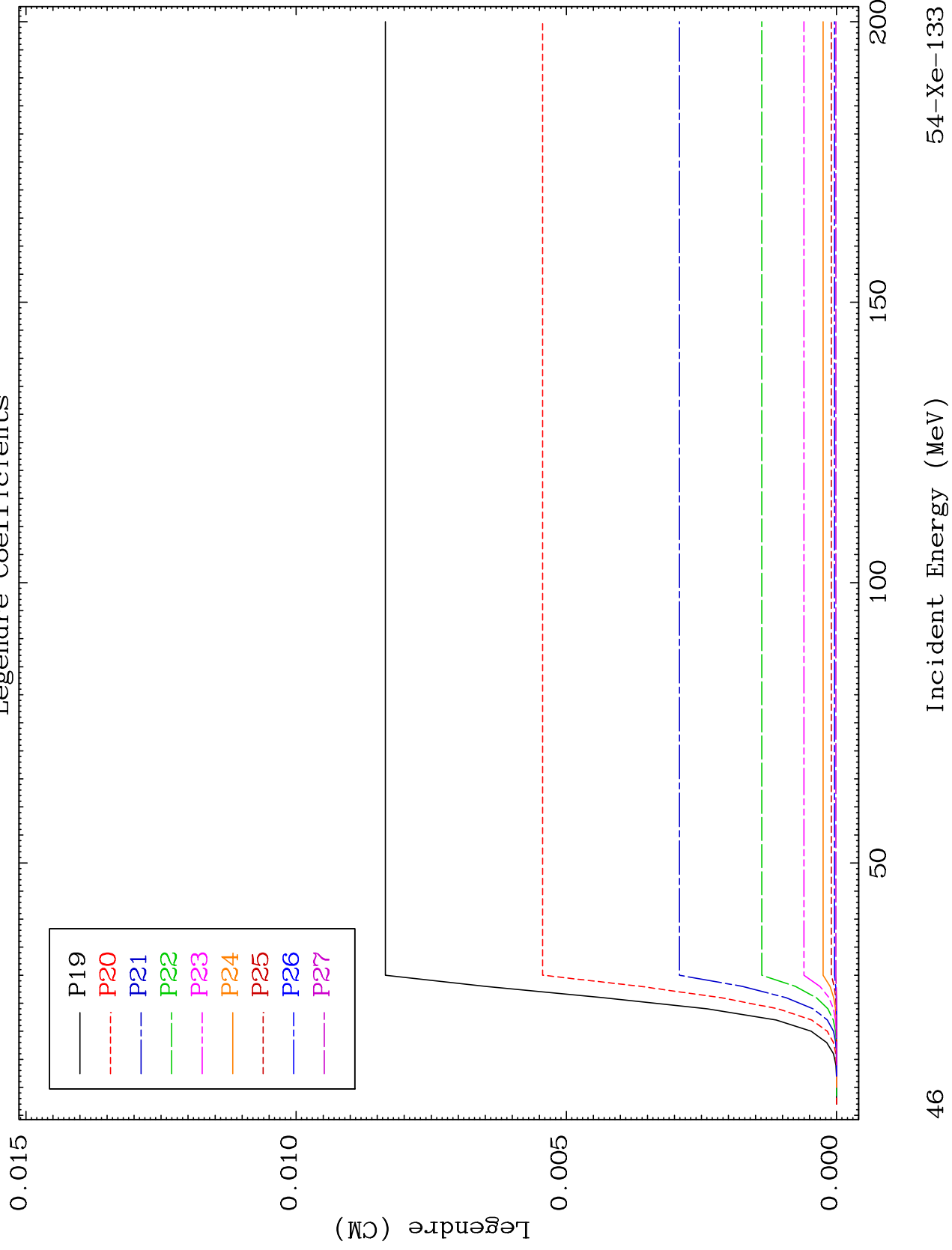
Incident Energy (MeV)

45

MAT 5452

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

54-Xe-133



46

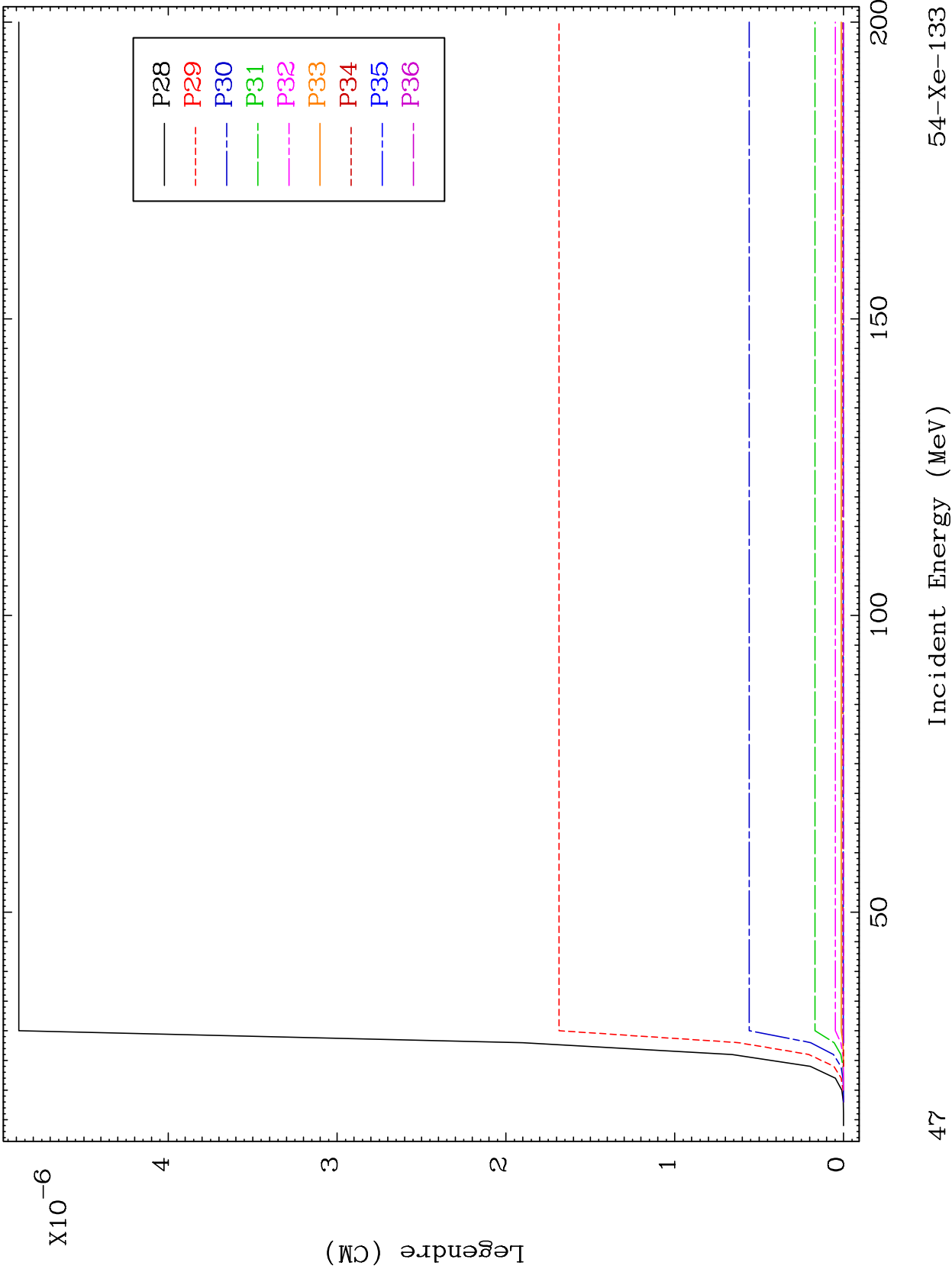
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133

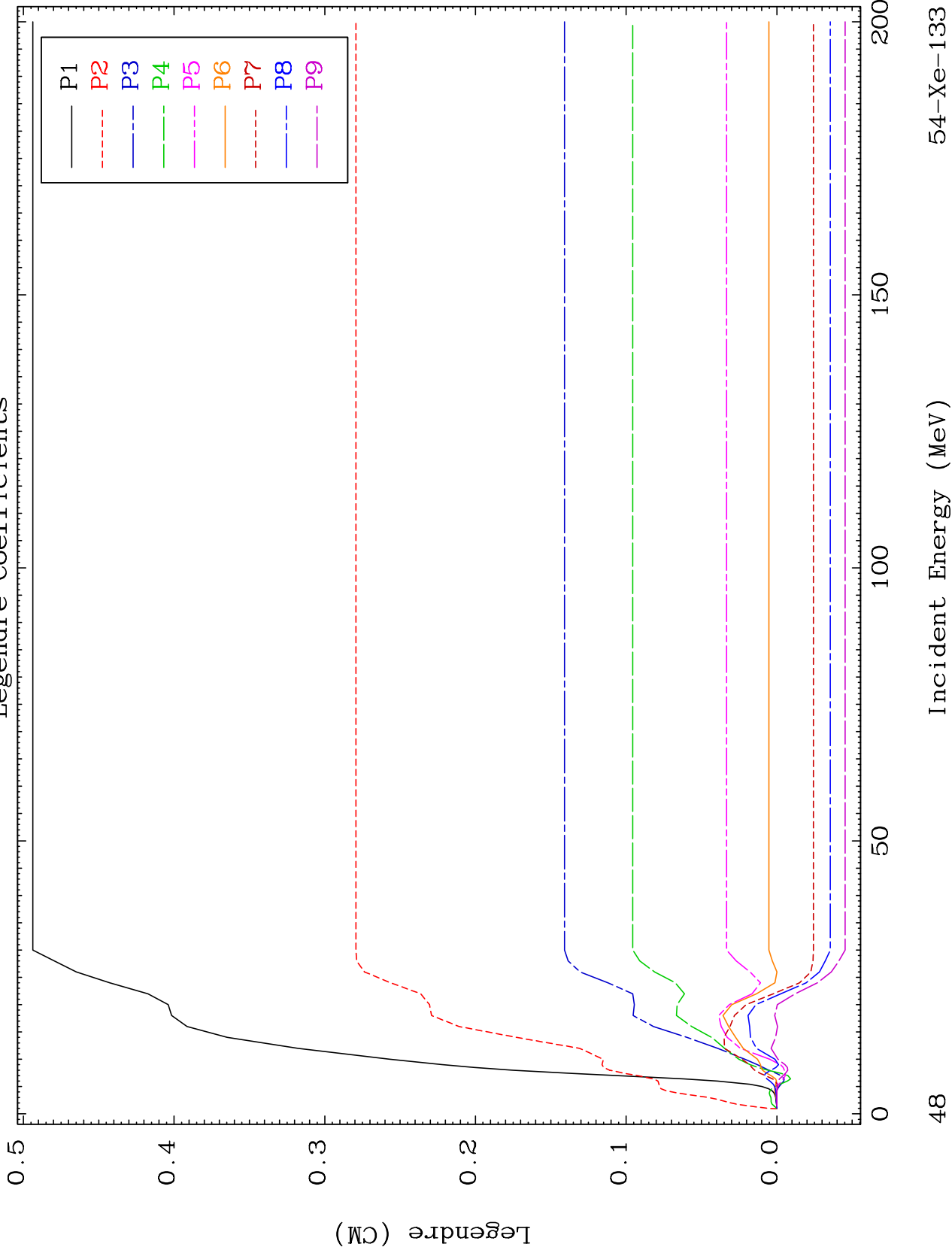


MAT 5452

MT= 58 (n,n') Level

54-Xe-133

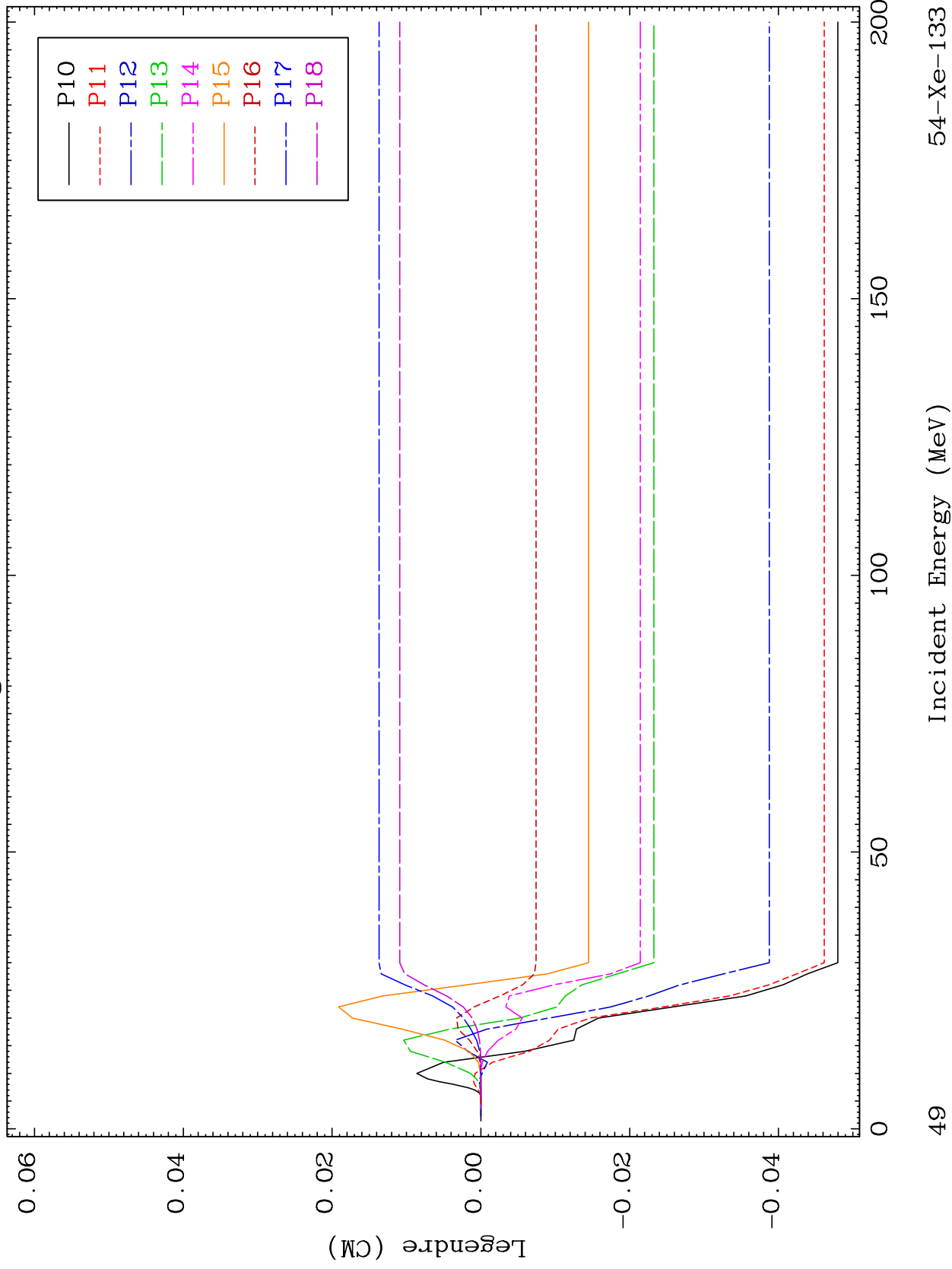
Legendre Coefficients



MAT 5452

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

54-Xe-133



54-Xe-133

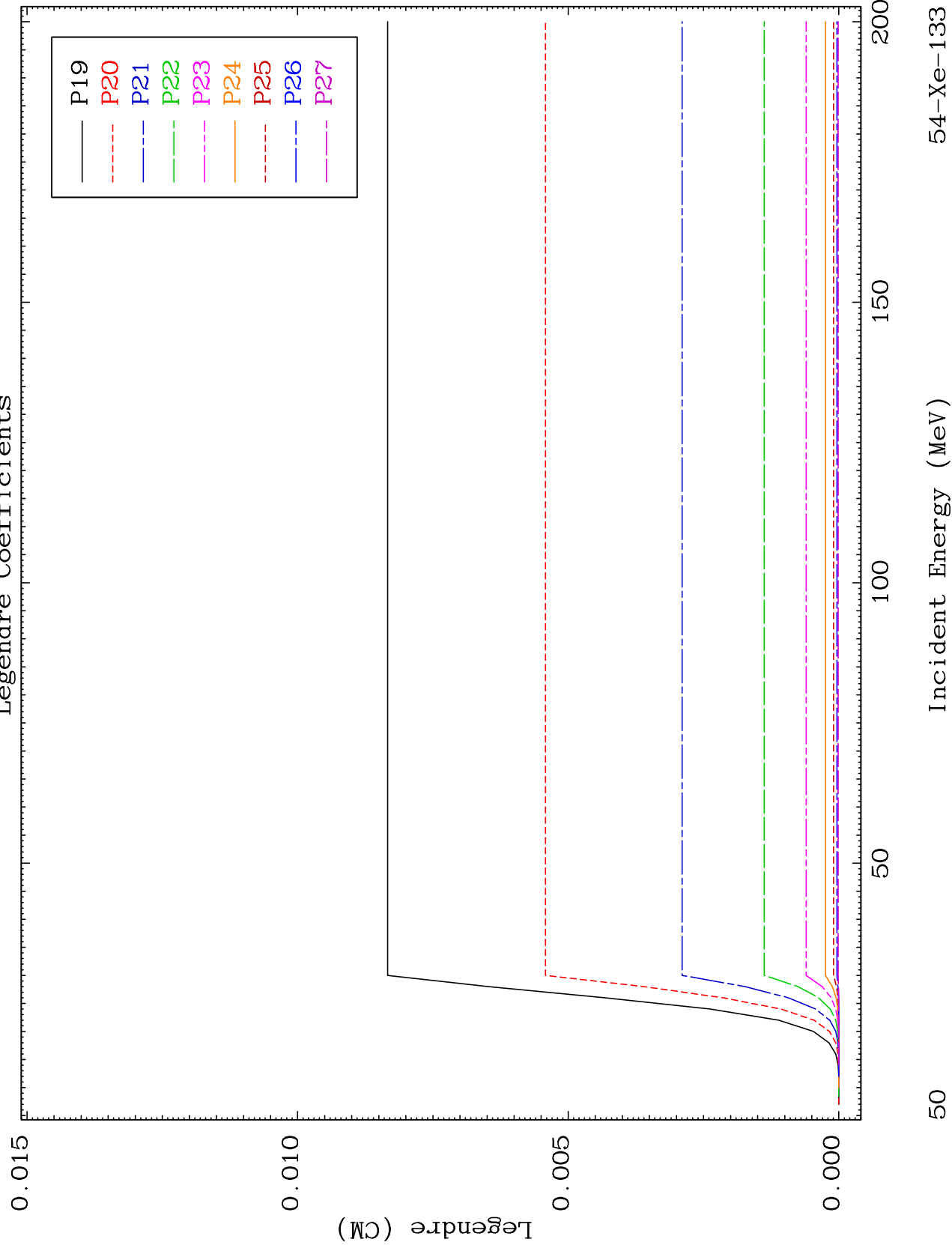
Incident Energy (MeV)

49

MAT 5452

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

54-Xe-133



54-Xe-133

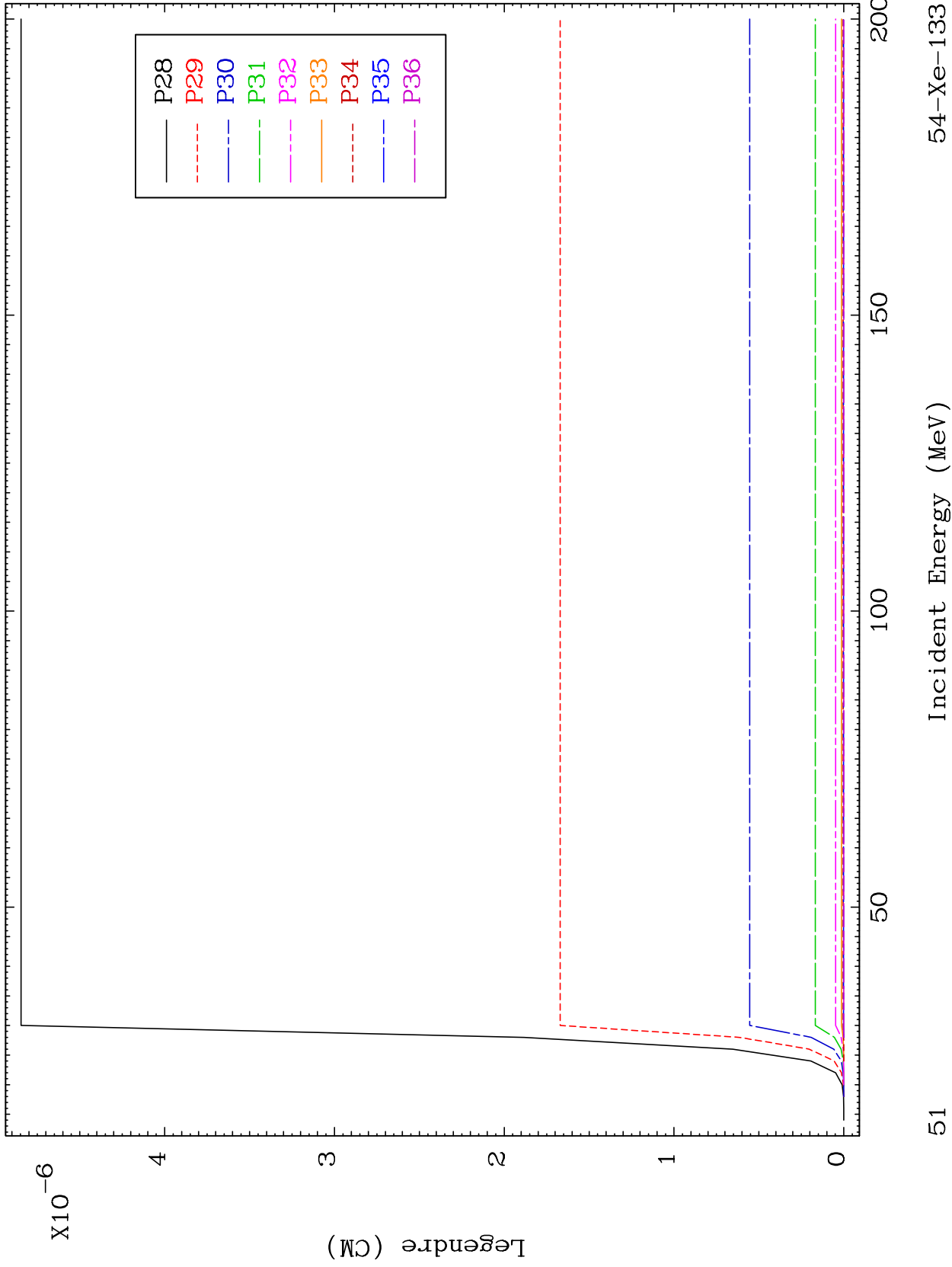
Incident Energy (MeV)

50

MAT 5452

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

54-Xe-133



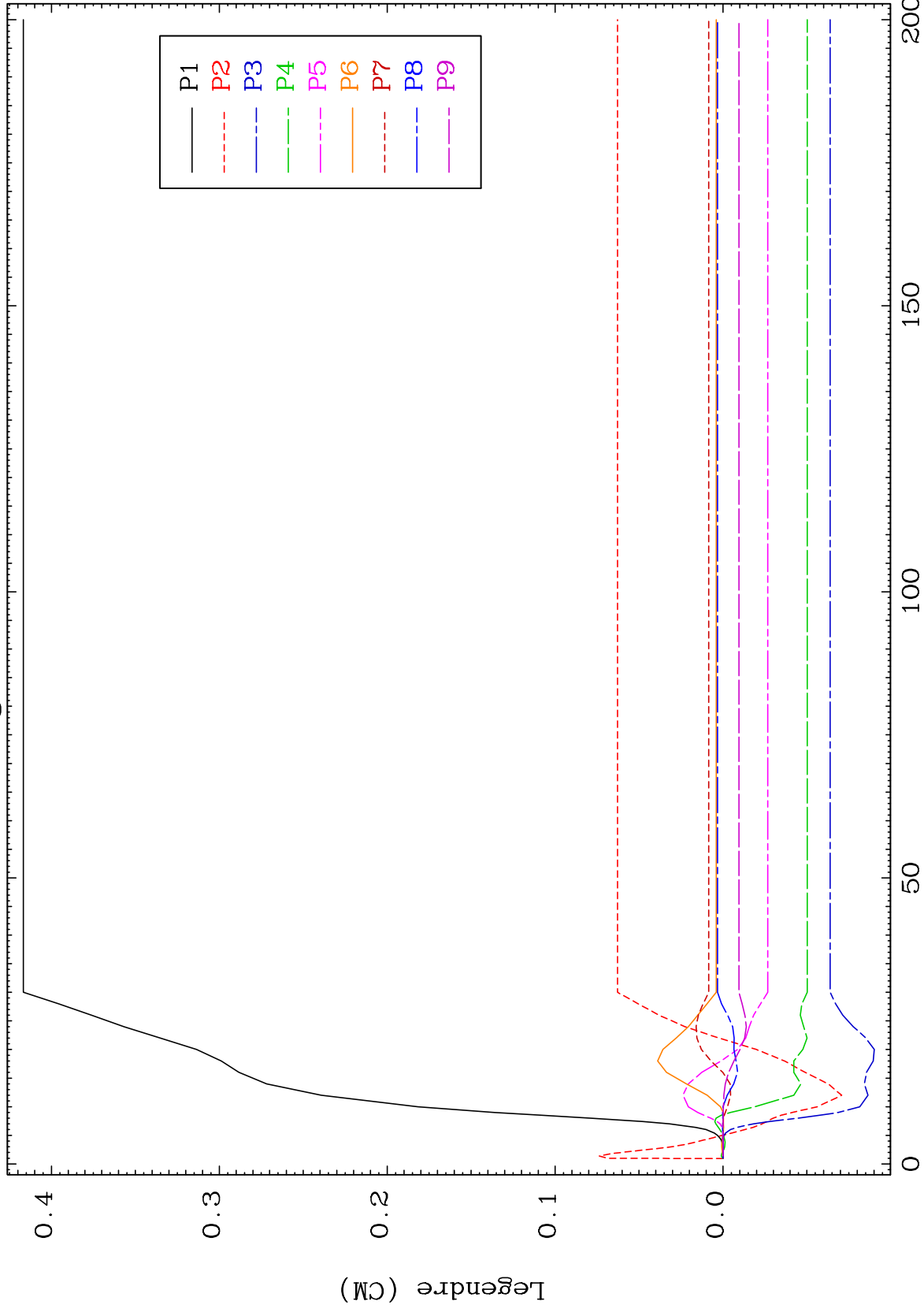
51

54-Xe-133

MAT 5452

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

54-Xe-133



52

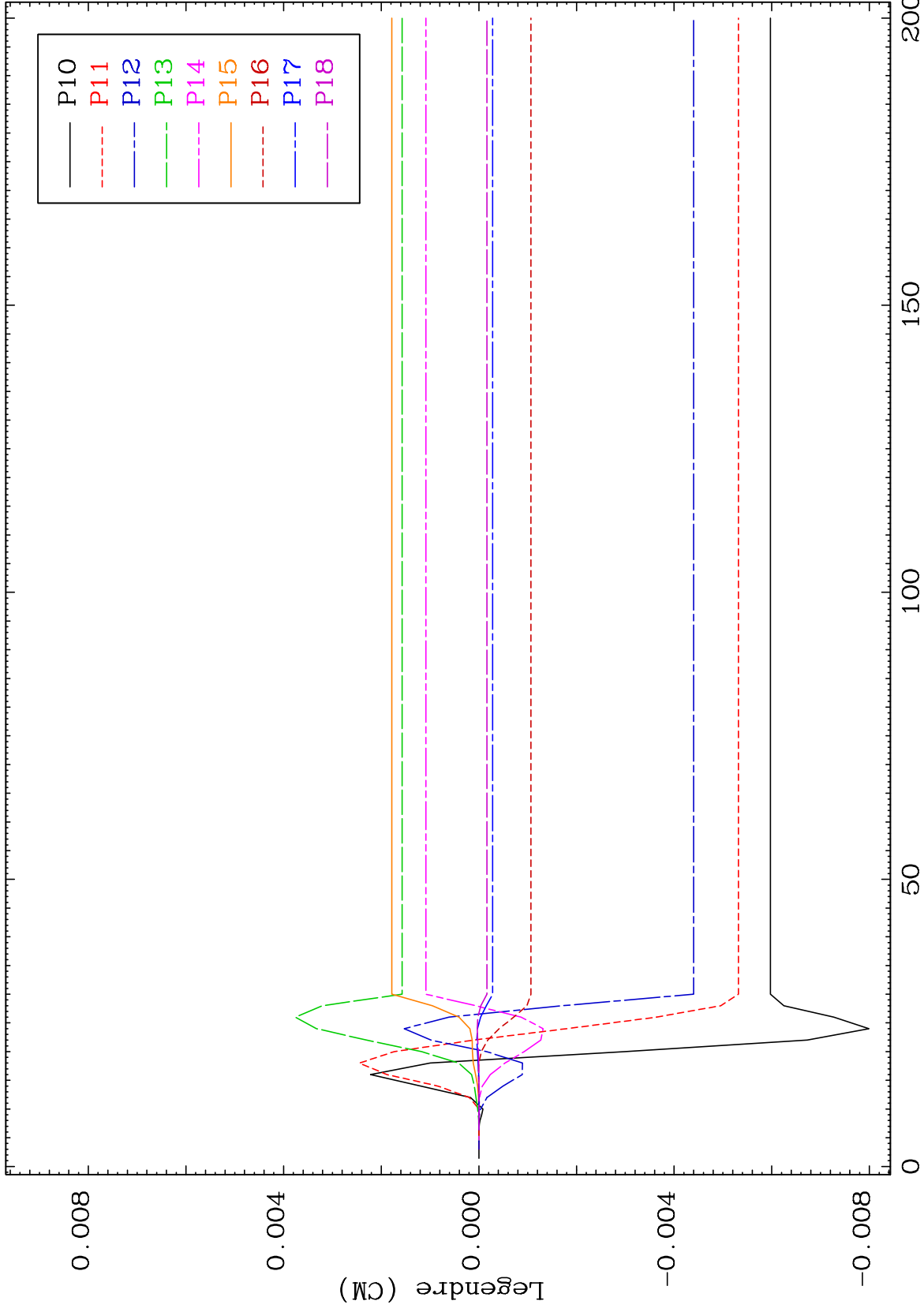
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



53

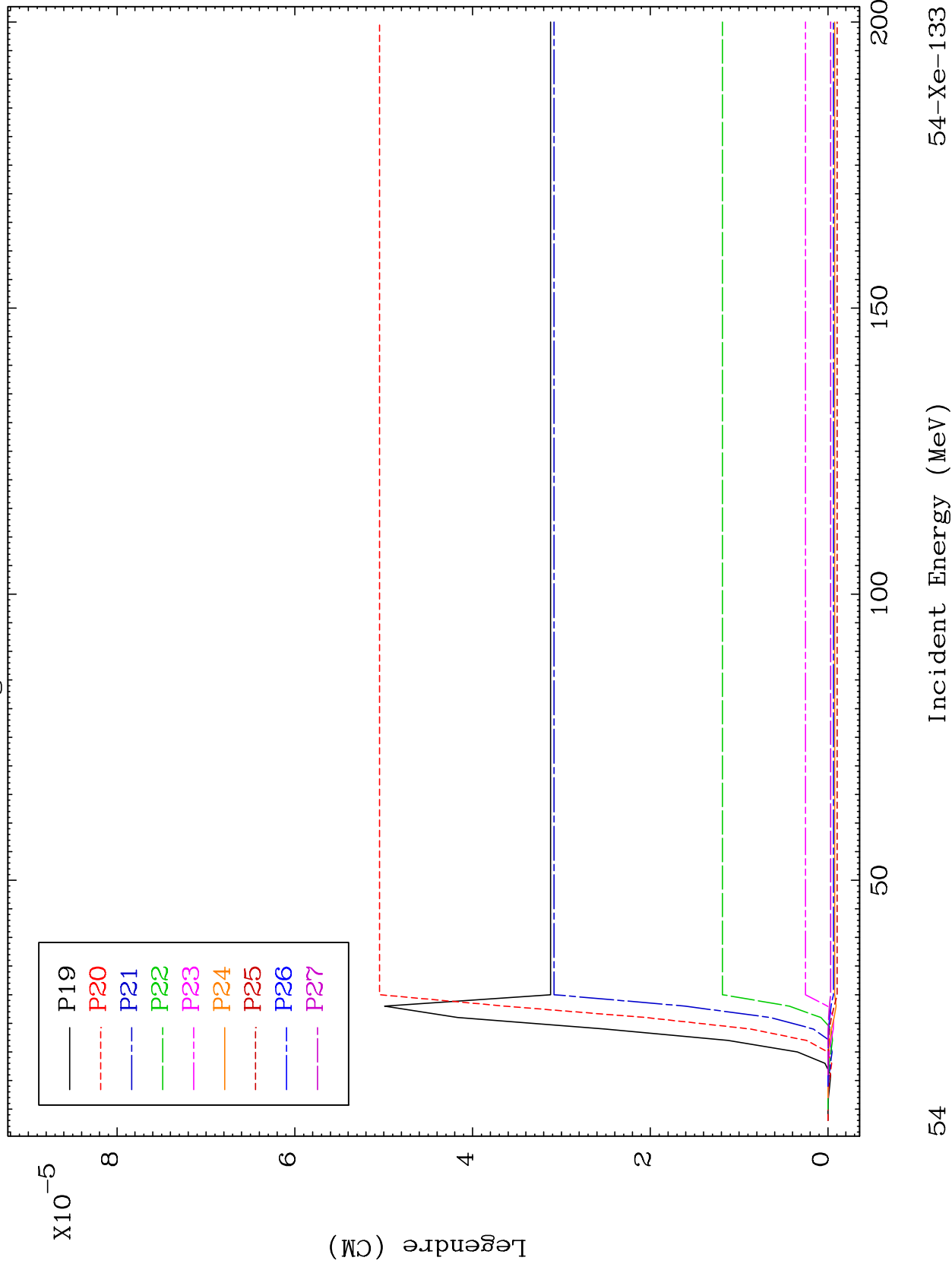
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133

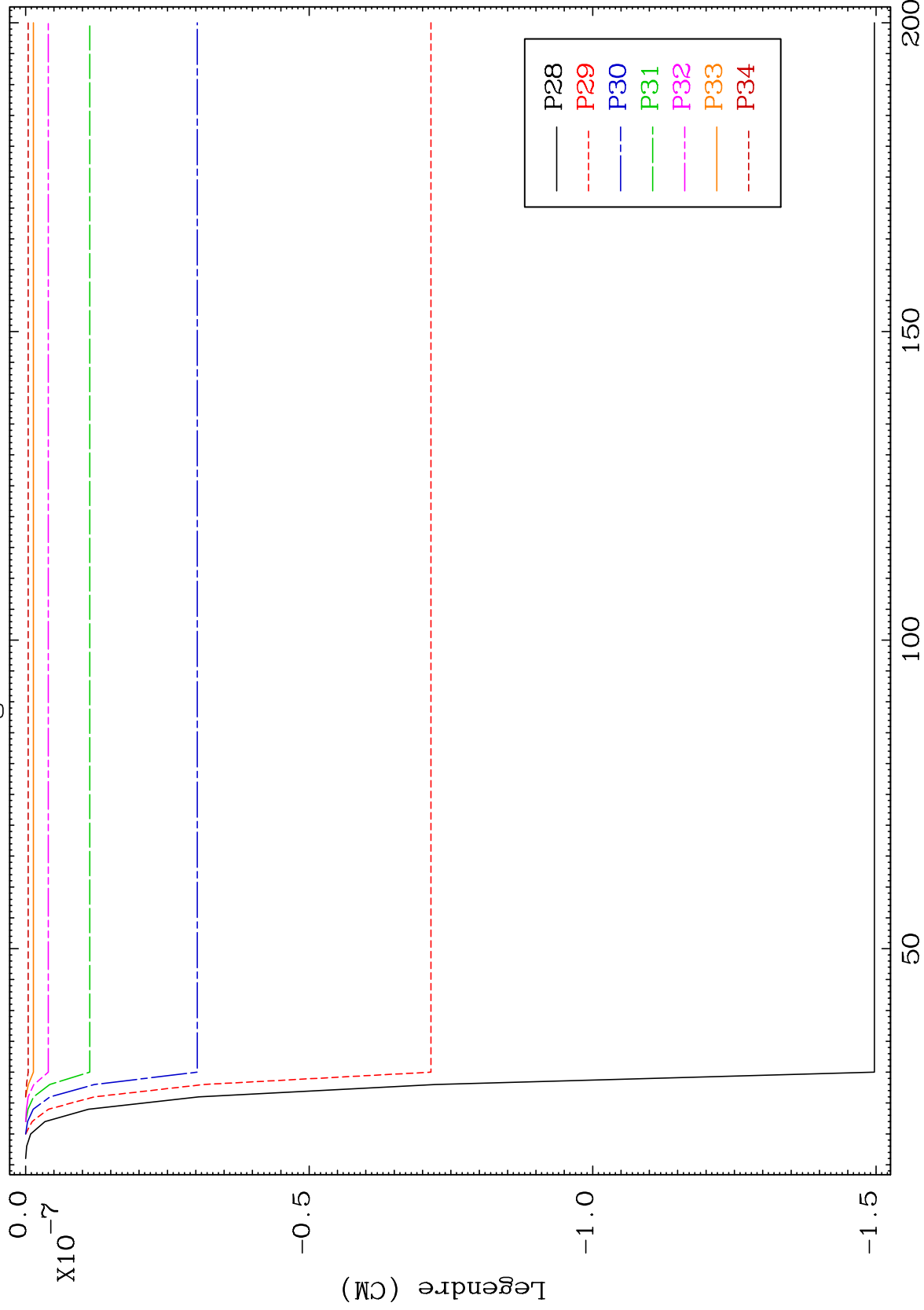


54

MAT 5452

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

54-Xe-133



55

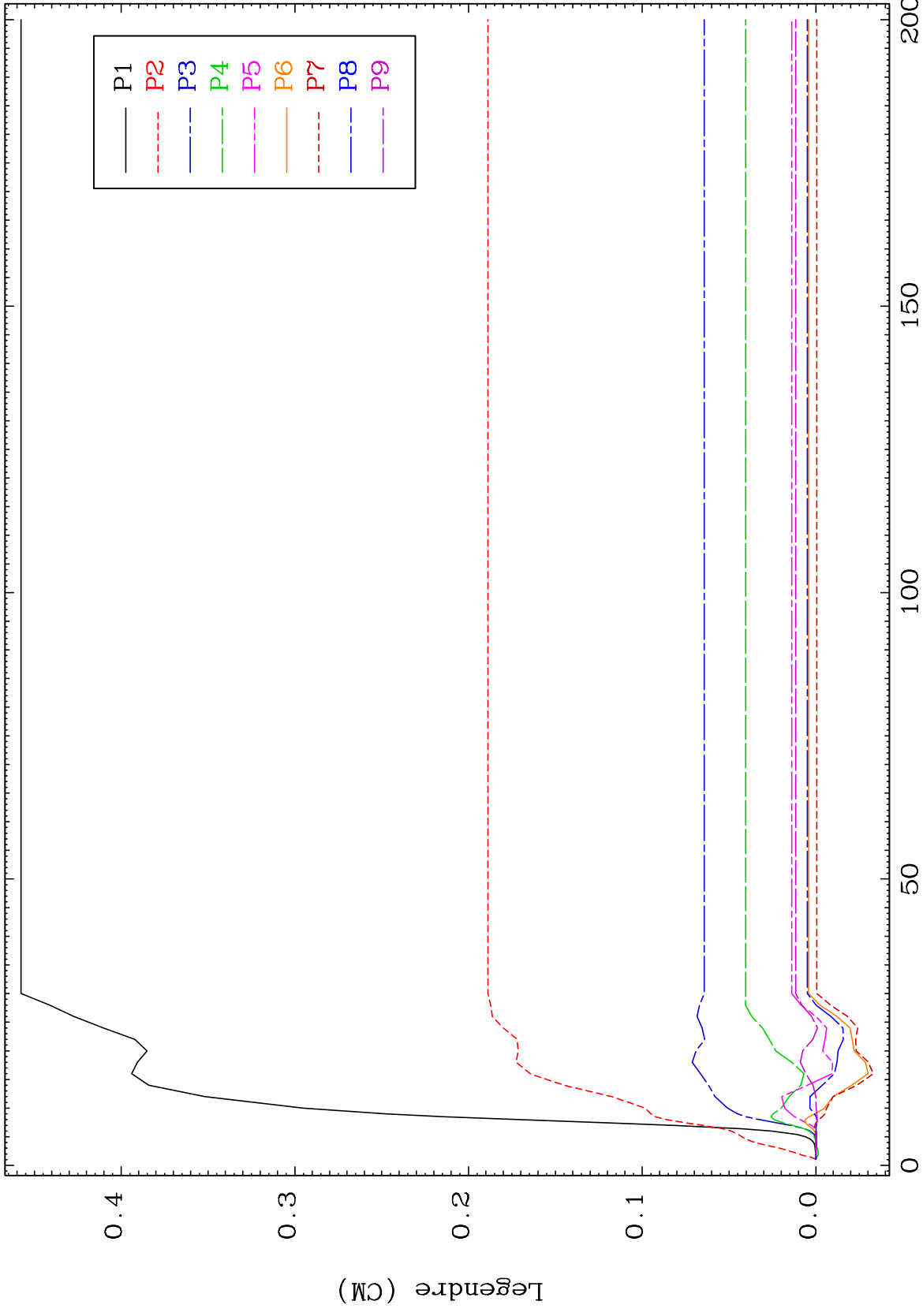
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



56

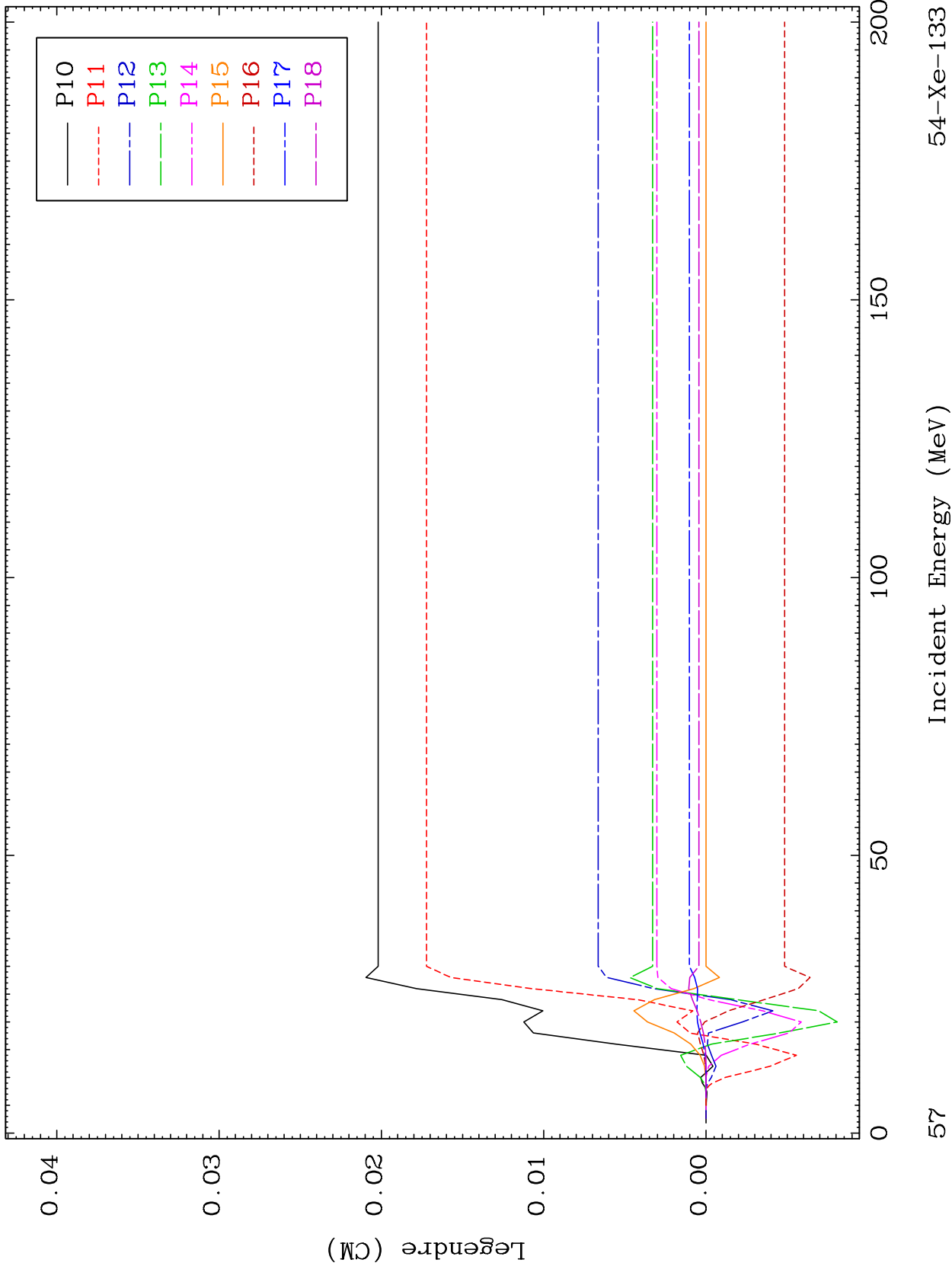
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

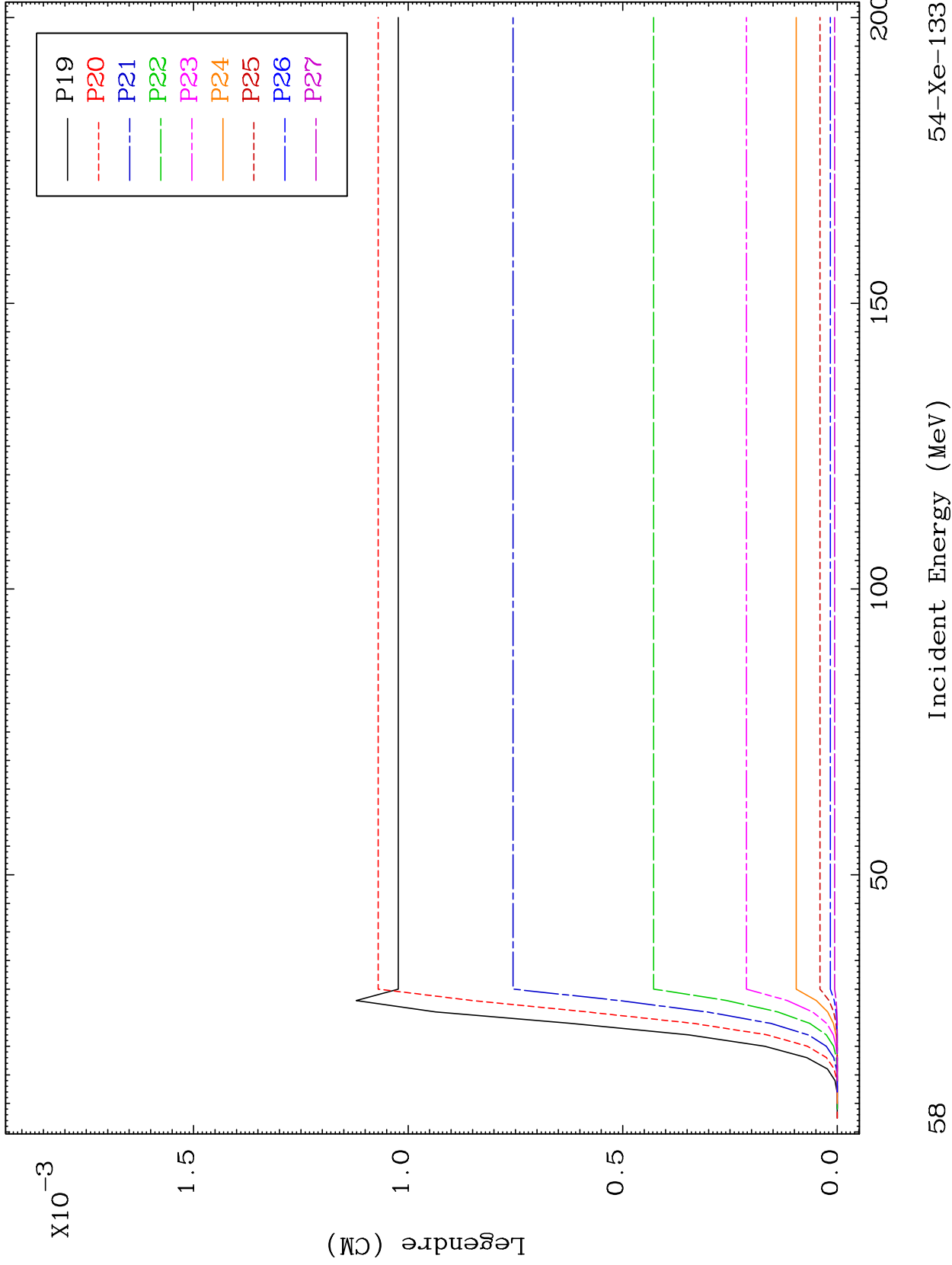
54-Xe-133



57

Incident Energy (MeV)

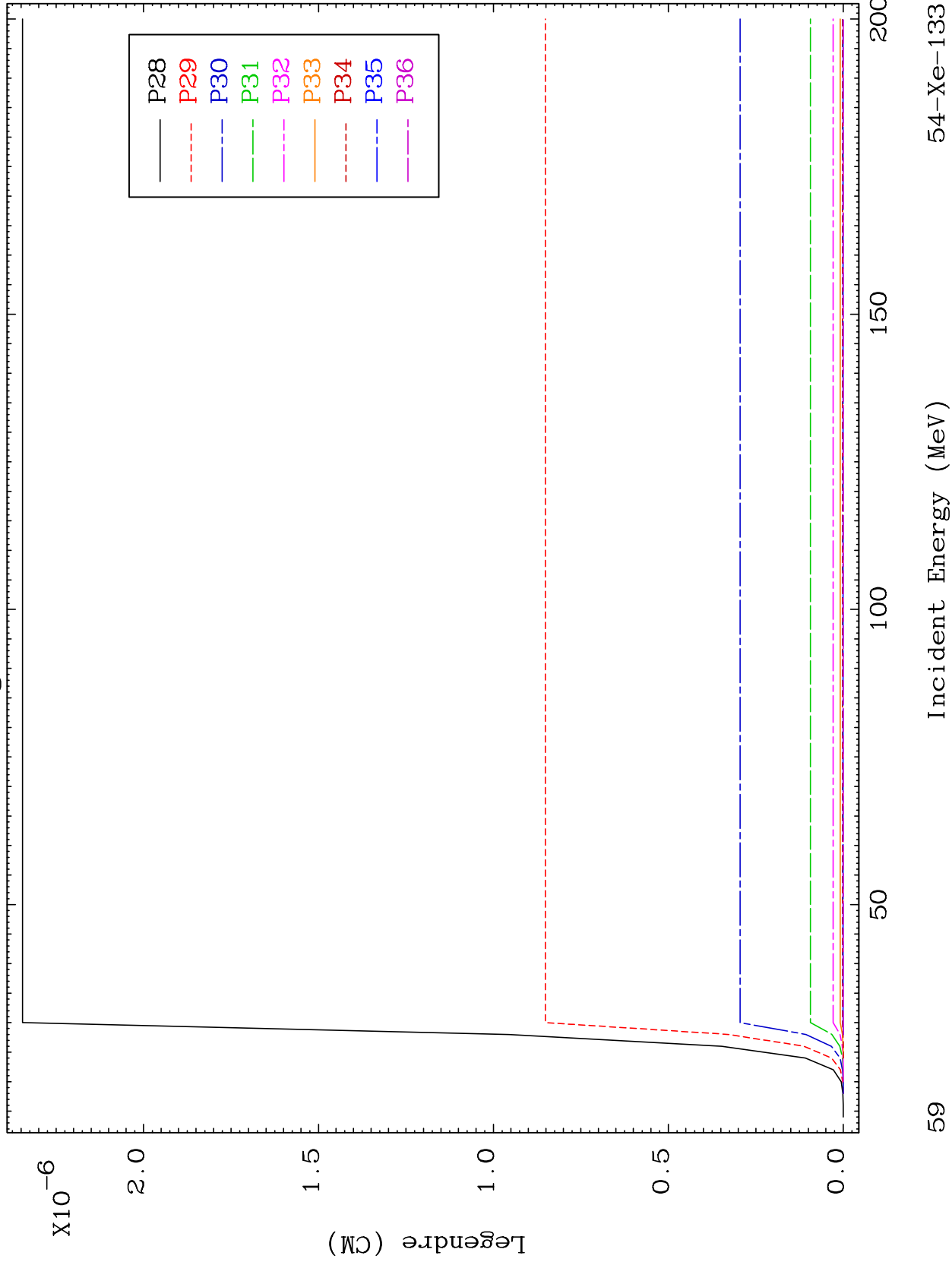
54-Xe-133



MAT 5452

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

54-Xe-133



59

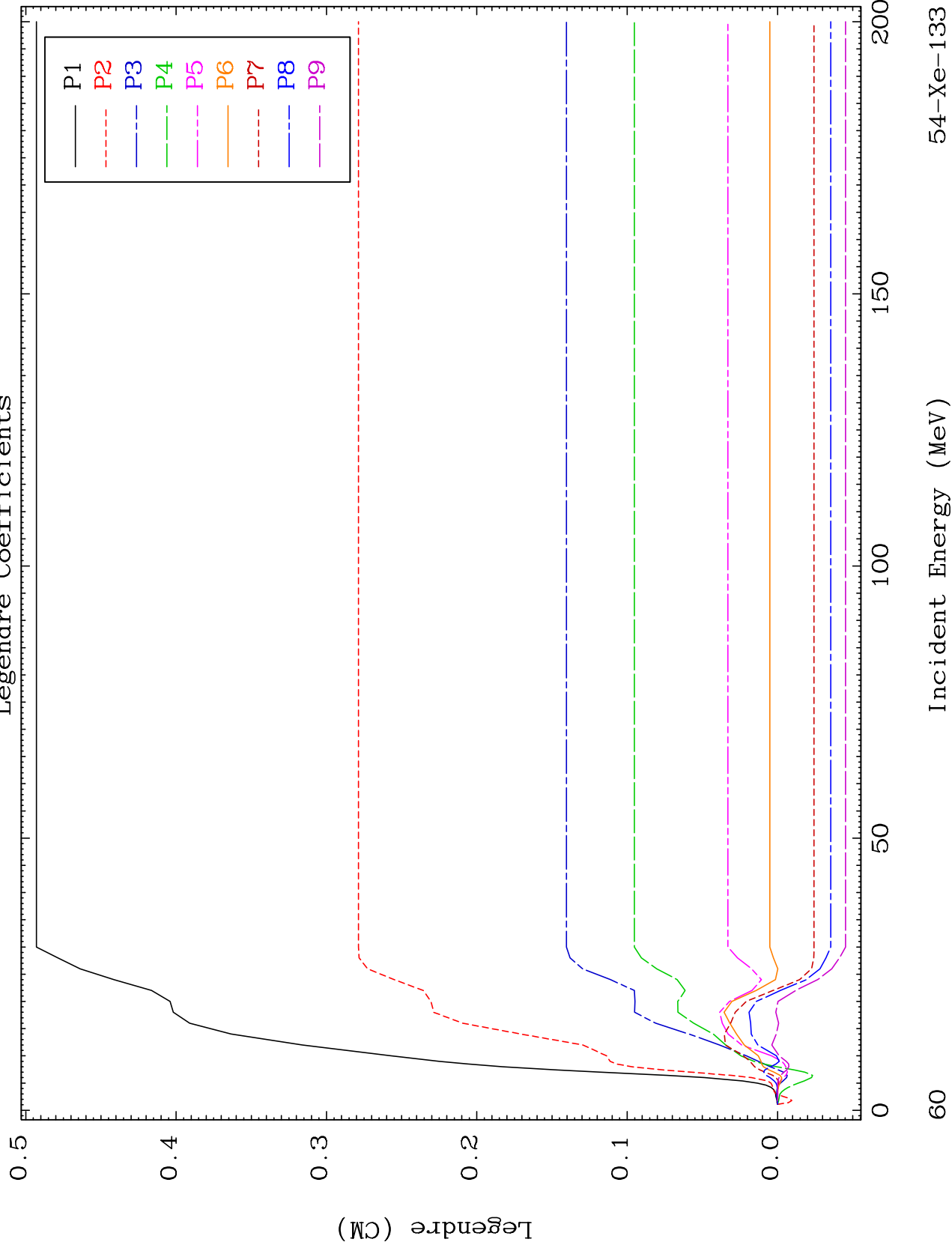
54-Xe-133

MAT 5452

MT= 61 (n,n') Level

54-Xe-133

Legendre Coefficients



54-Xe-133

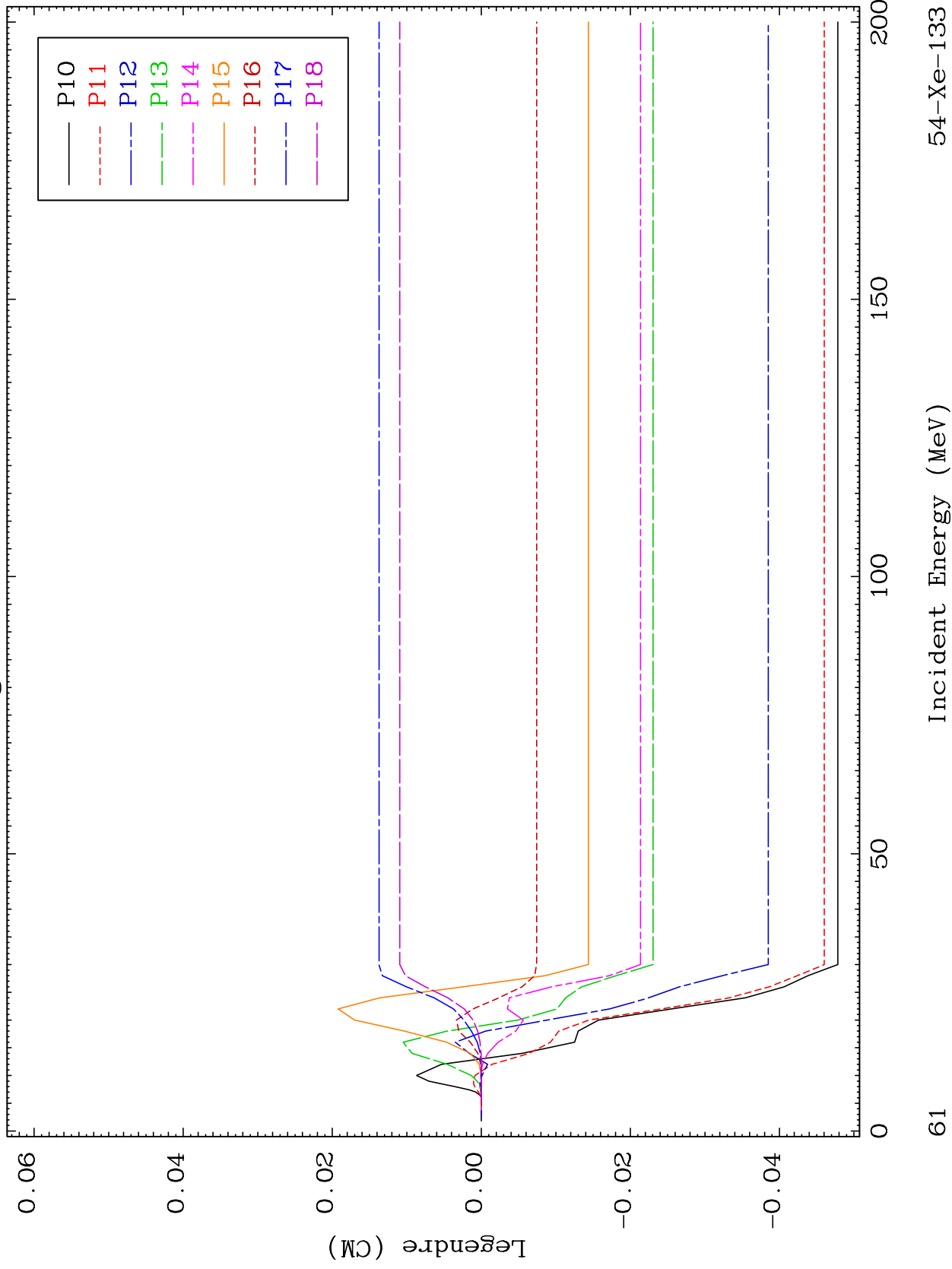
Incident Energy (MeV)

60

MAT 5452

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

54-Xe-133



54-Xe-133

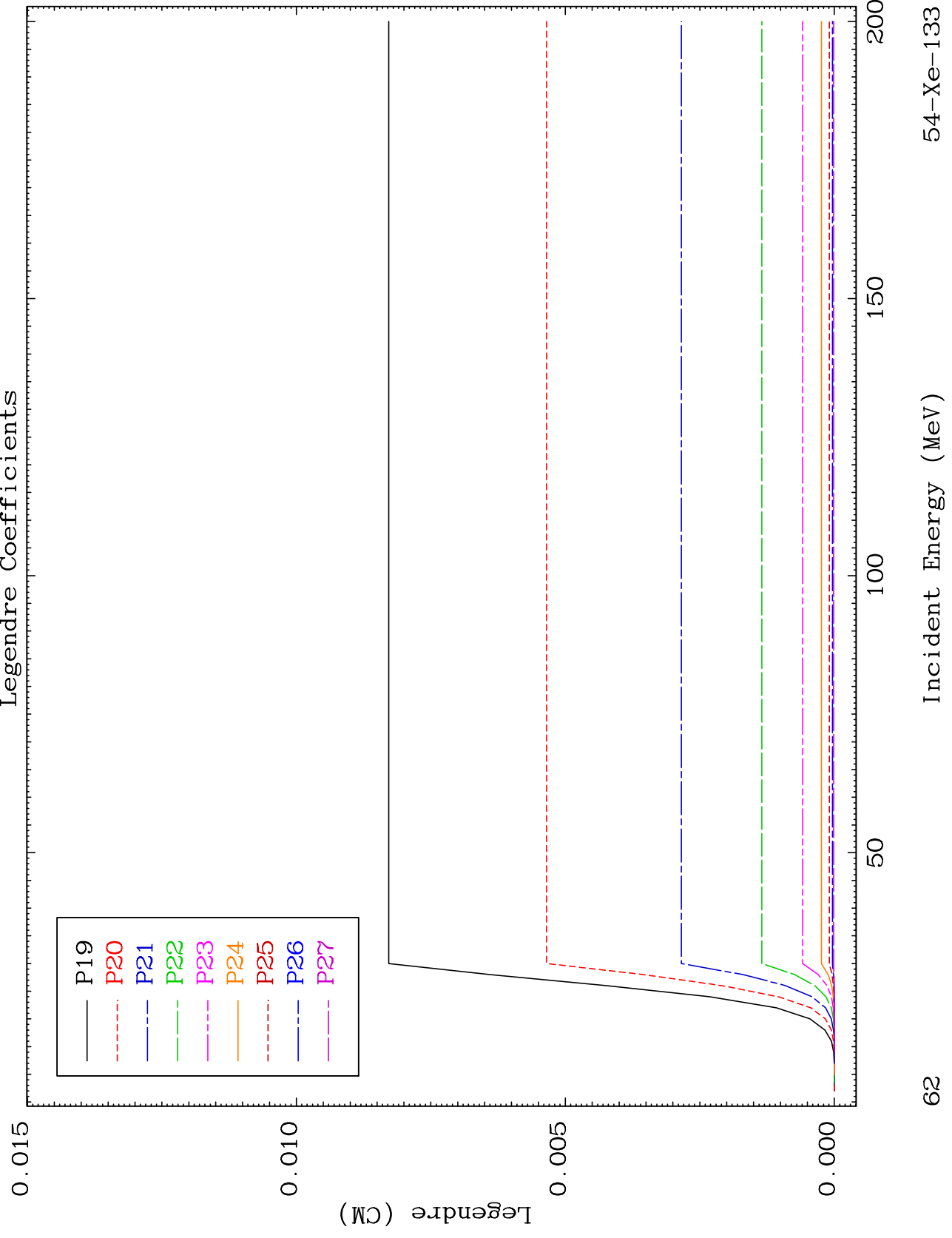
Incident Energy (MeV)

61

MAT 5452

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

54-Xe-133



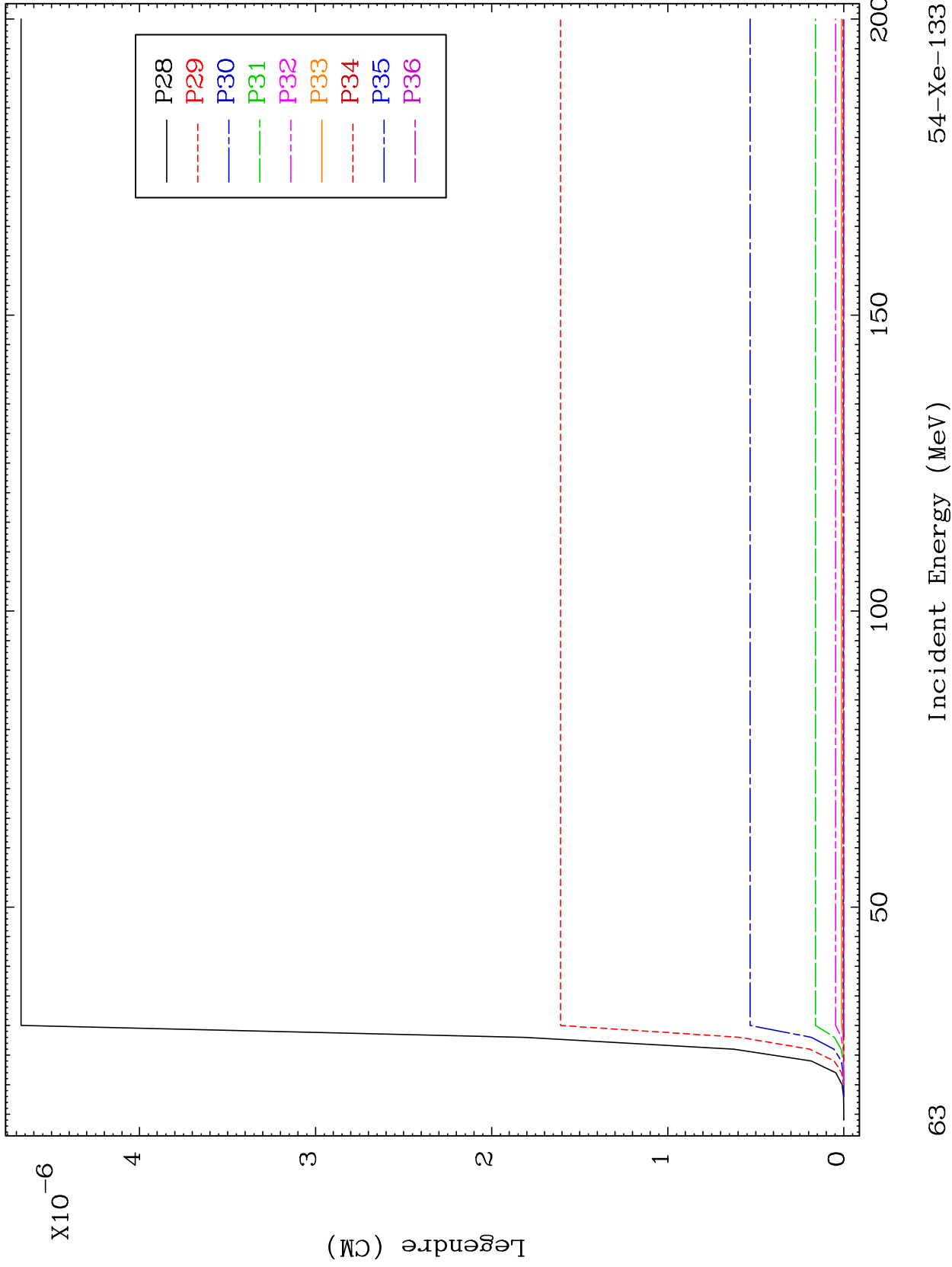
62

54-Xe-133

MAT 5452

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

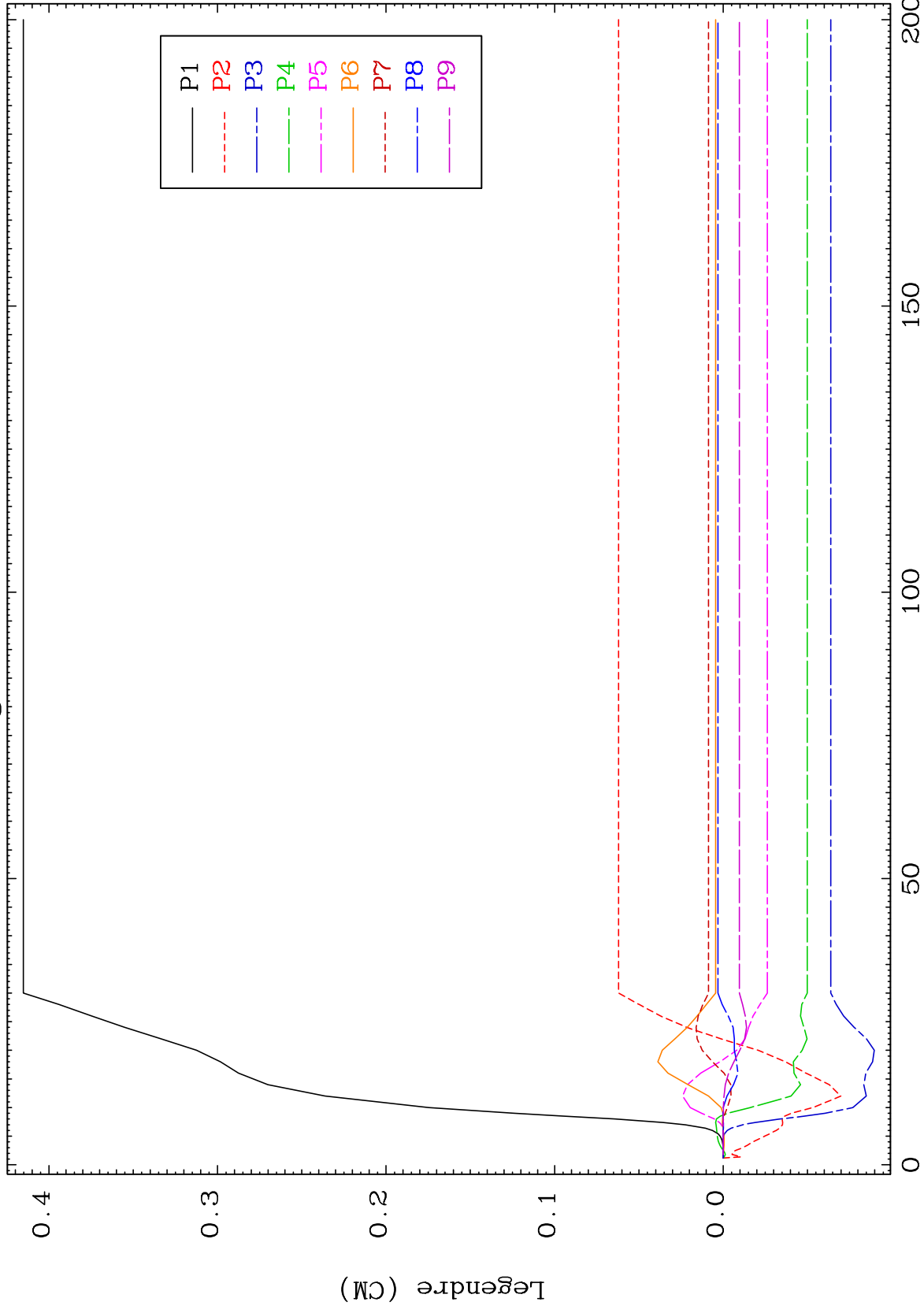
54-Xe-133



MAT 5452

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

54-Xe-133



54-Xe-133

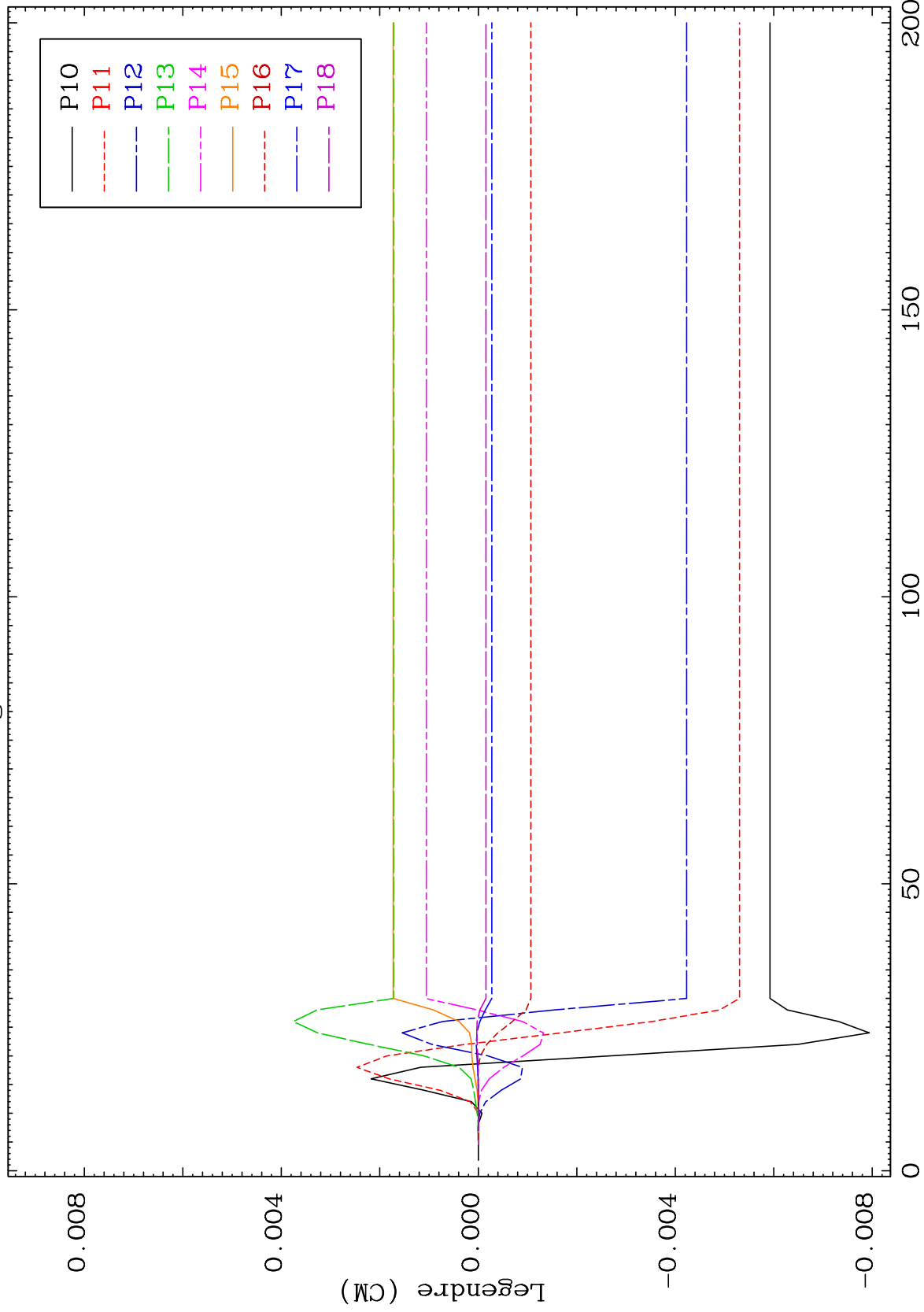
Incident Energy (MeV)

64

MAT 5452

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

54-Xe-133



54-Xe-133

Incident Energy (MeV)

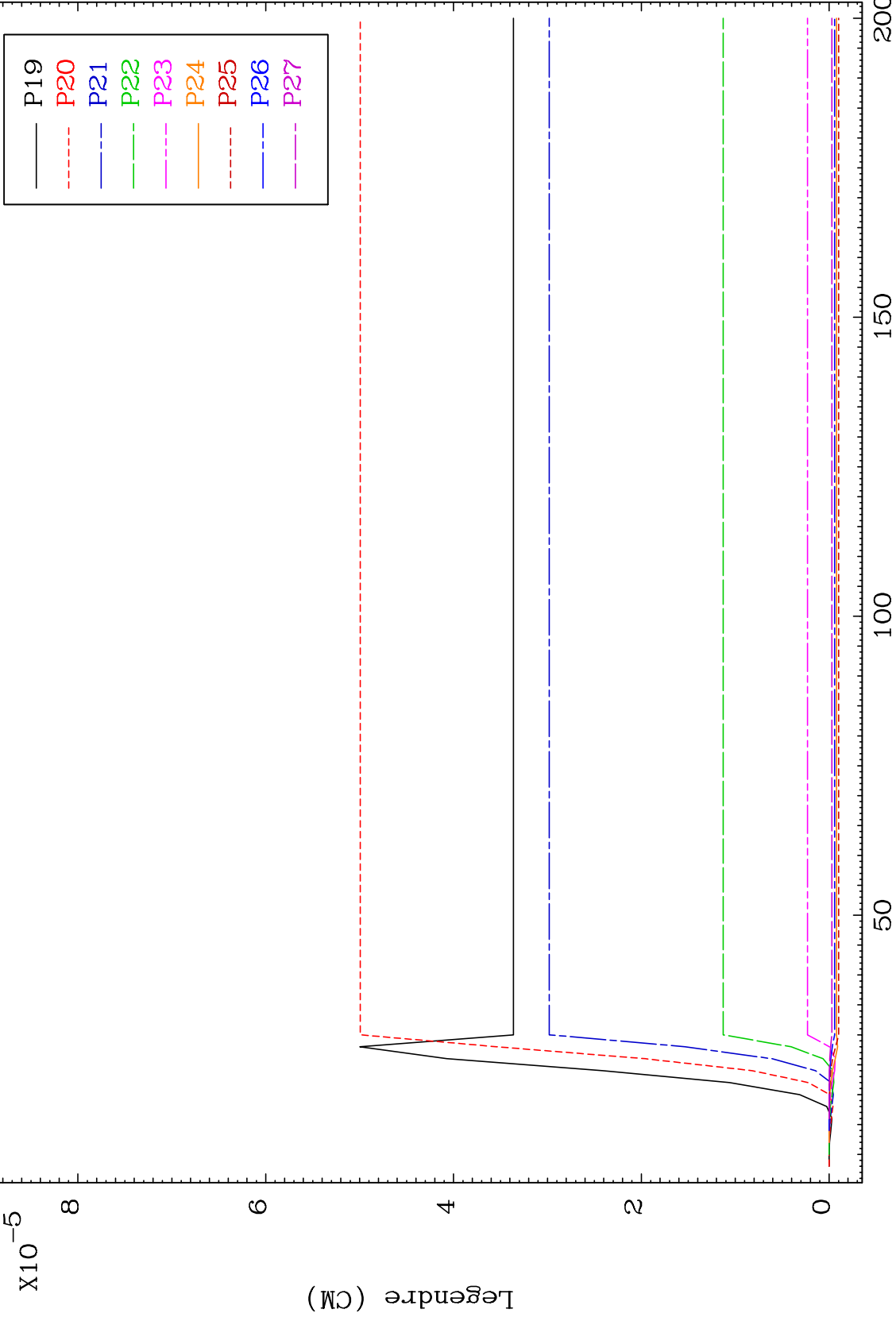
65

MAT 5452

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

54-Xe-133

$\times 10^{-5}$



66

Incident Energy (MeV)

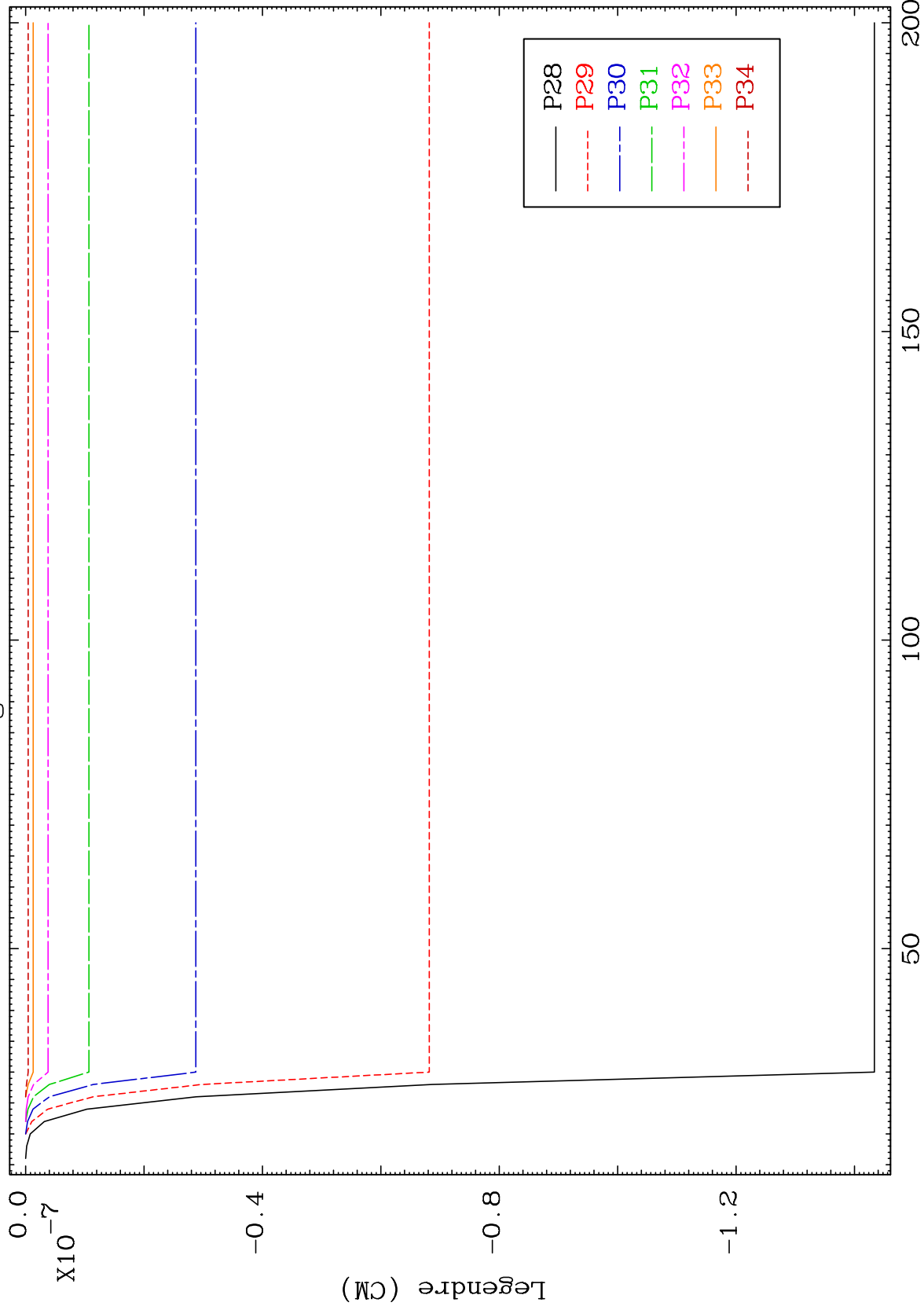
54-Xe-133

MAT 5452

MT= 62 (n,n') Level

54-Xe-133

Legendre Coefficients



54-Xe-133

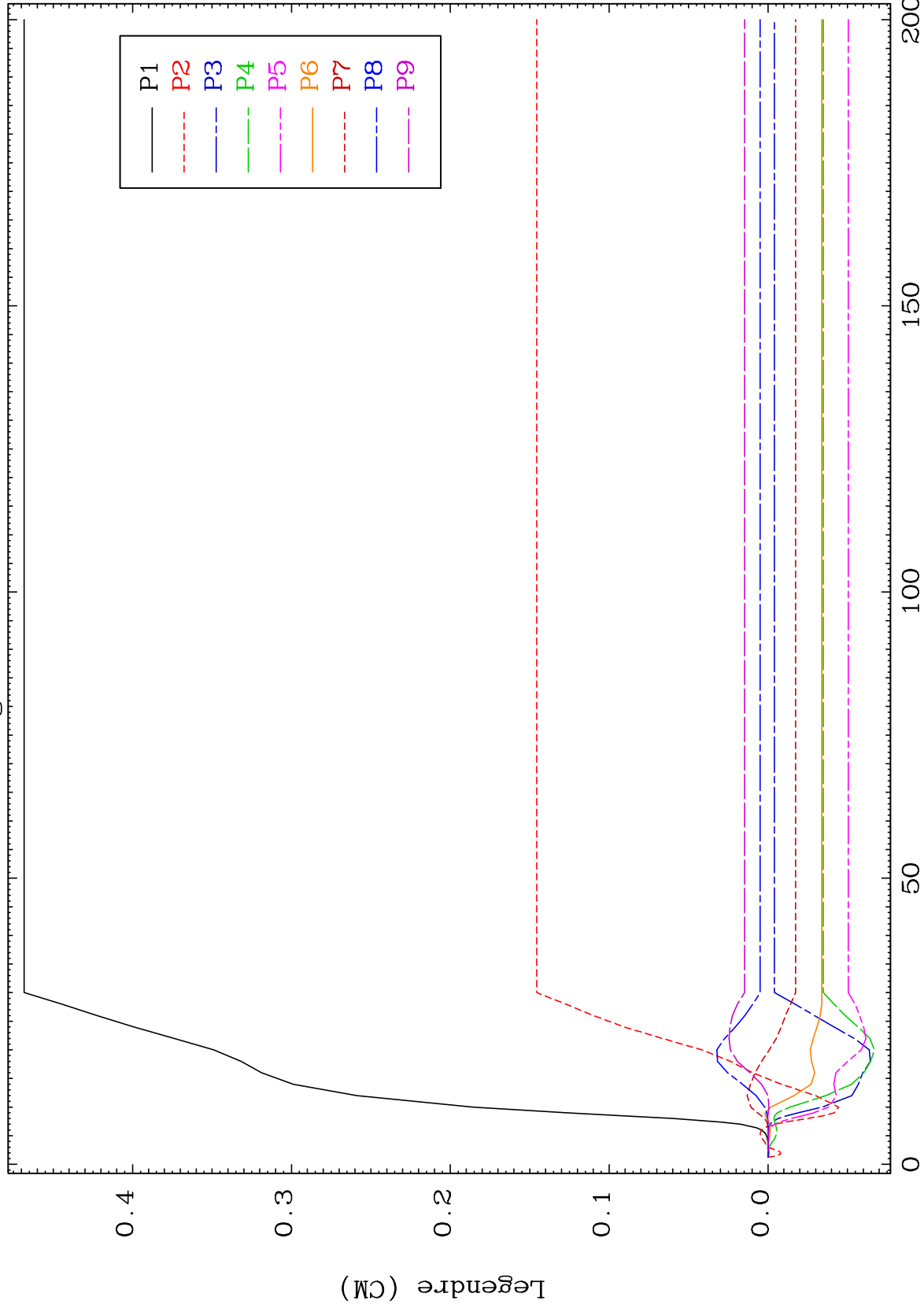
Incident Energy (MeV)

67

MAT 5452

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

54-Xe-133



68

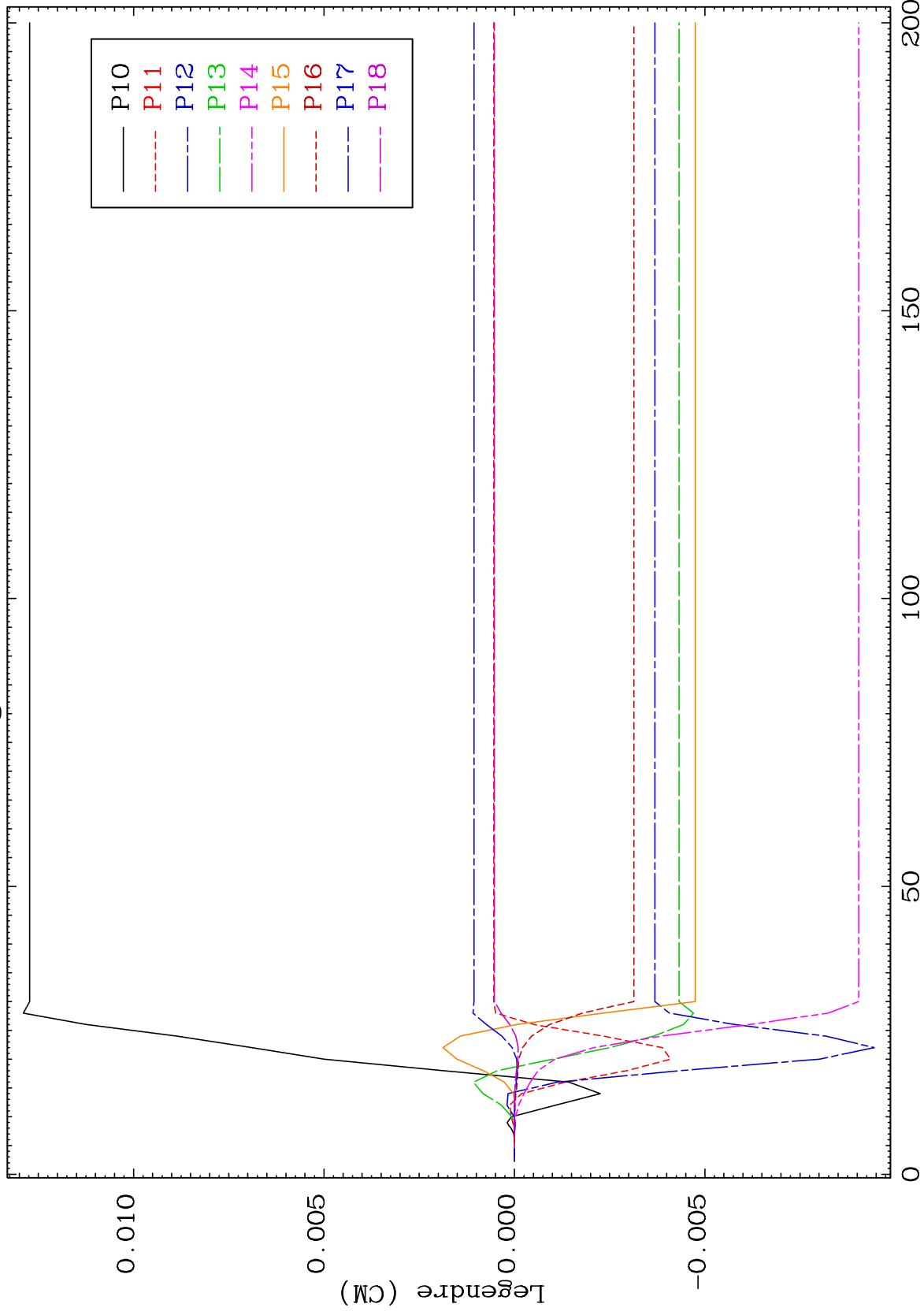
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



69

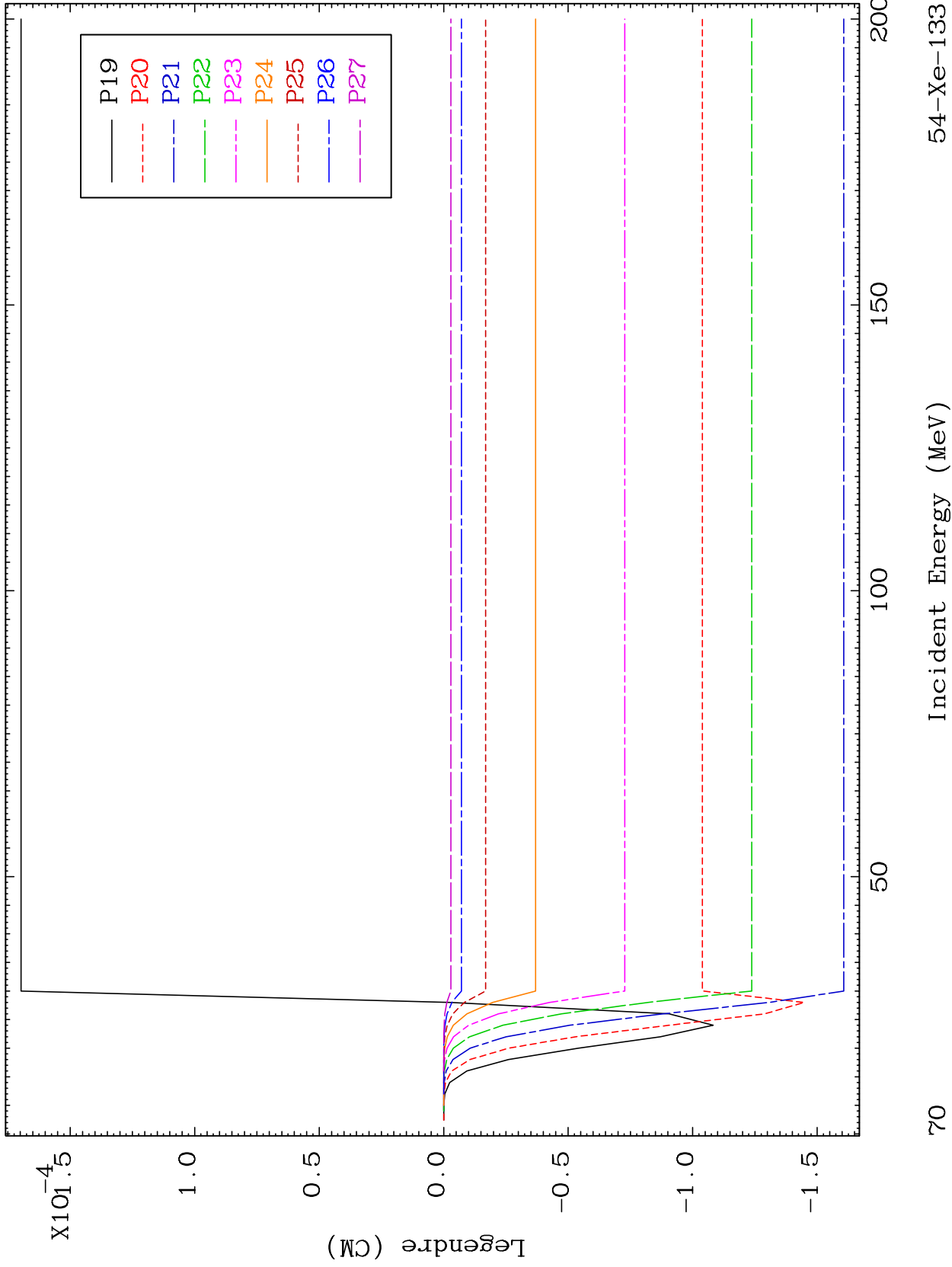
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



70

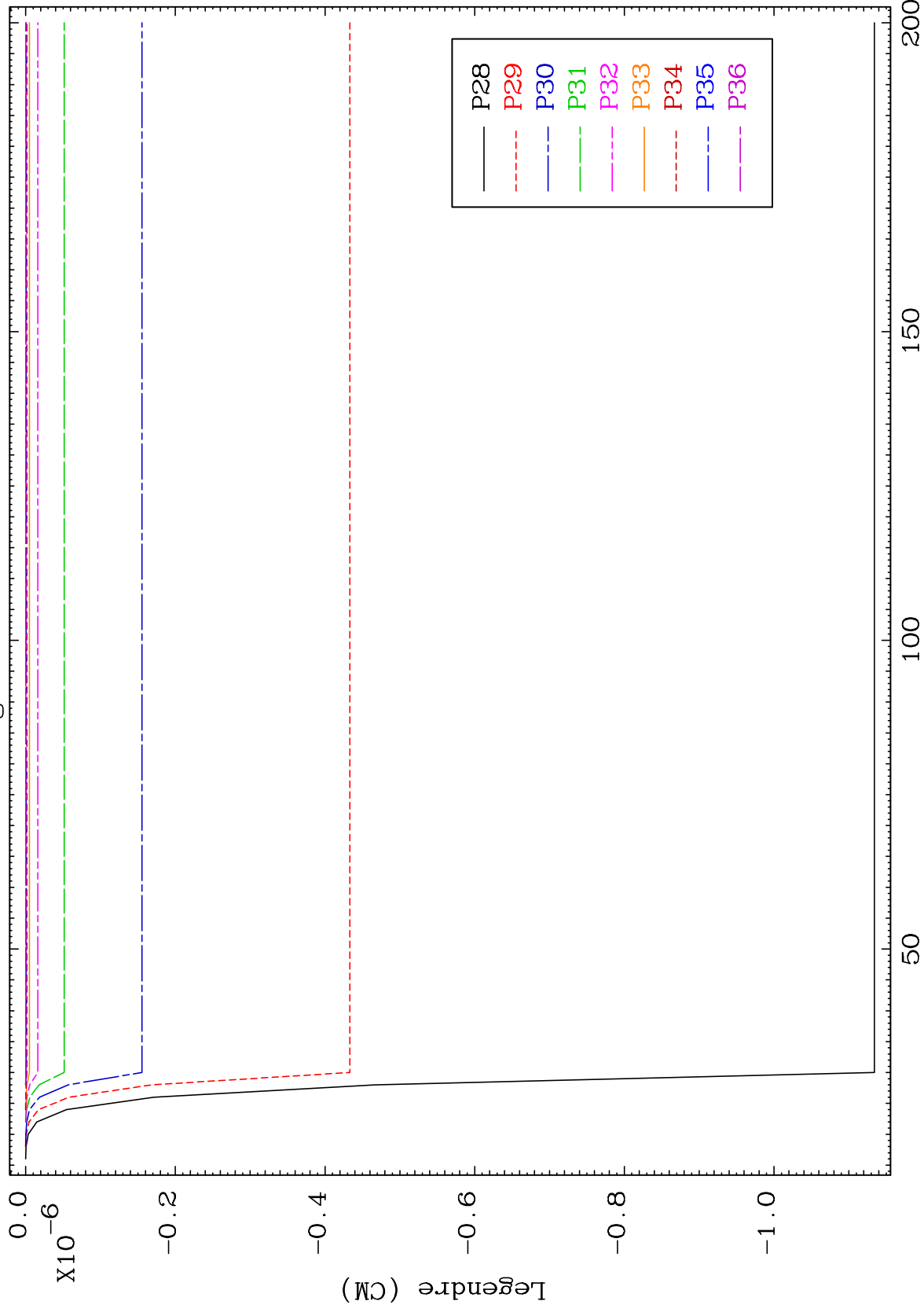
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



71

Incident Energy (MeV)

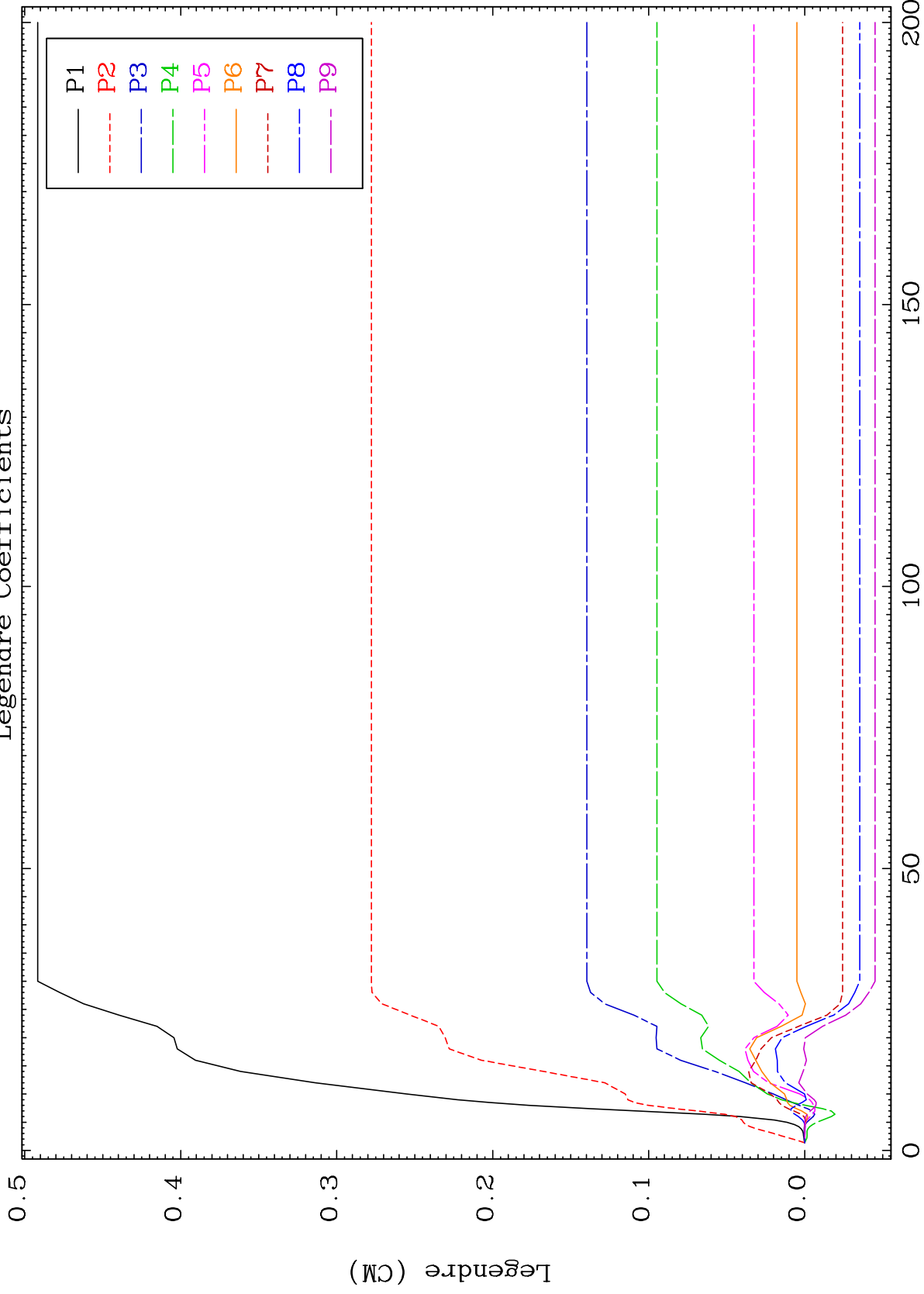
54-Xe-133

MAT 5452

MT= 64 (n,n') Level

54-Xe-133

Legendre Coefficients



72

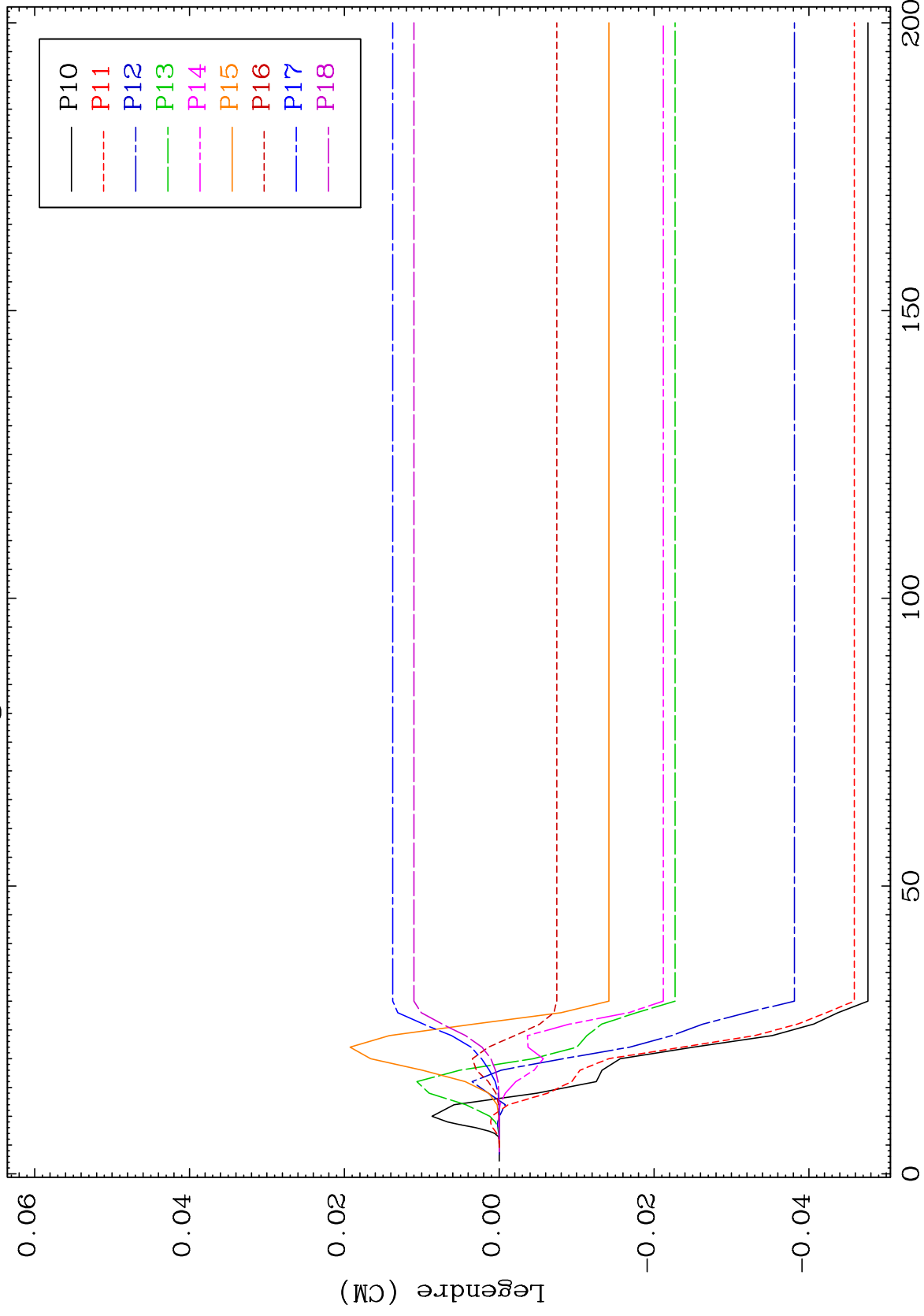
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



73

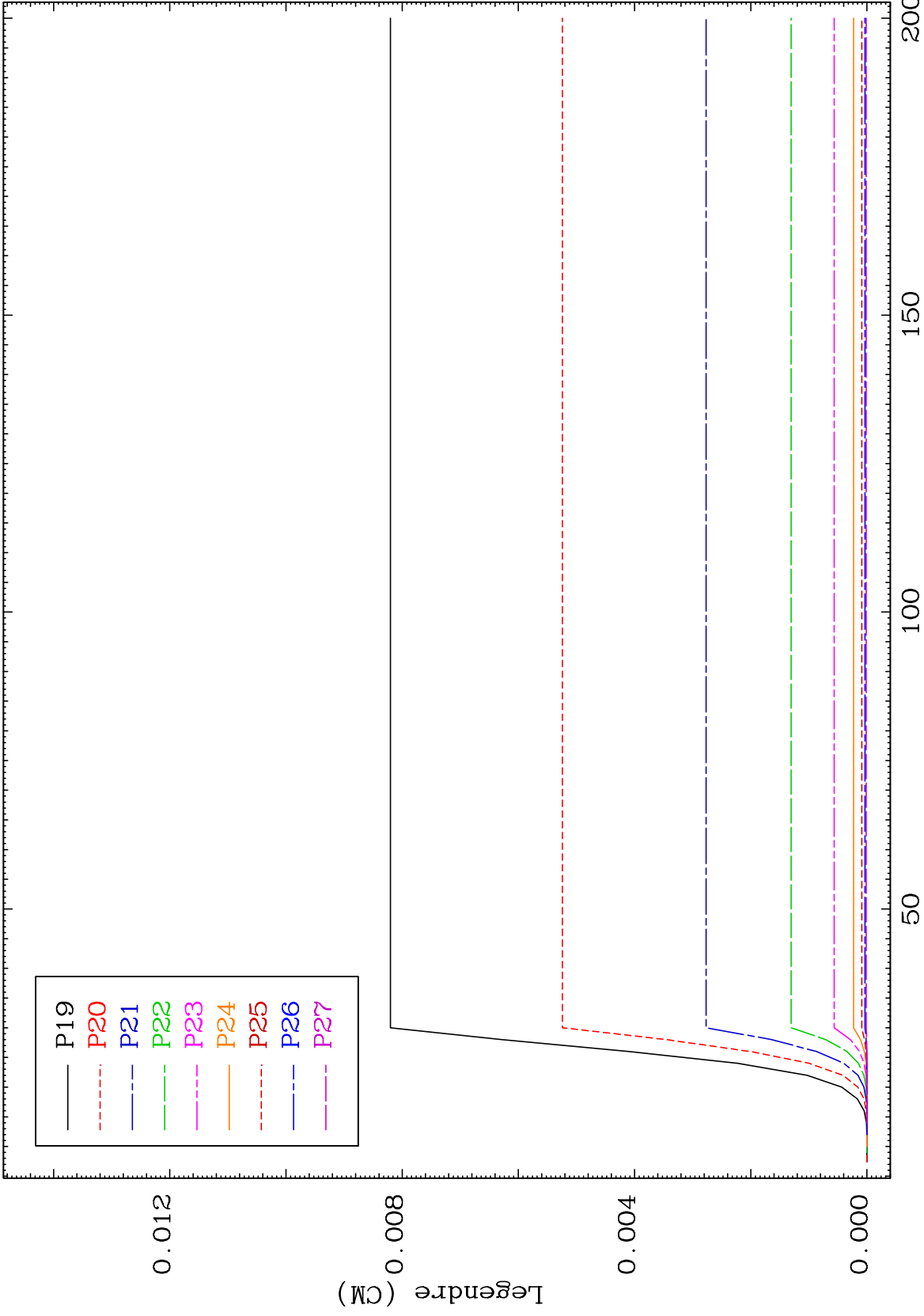
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



74

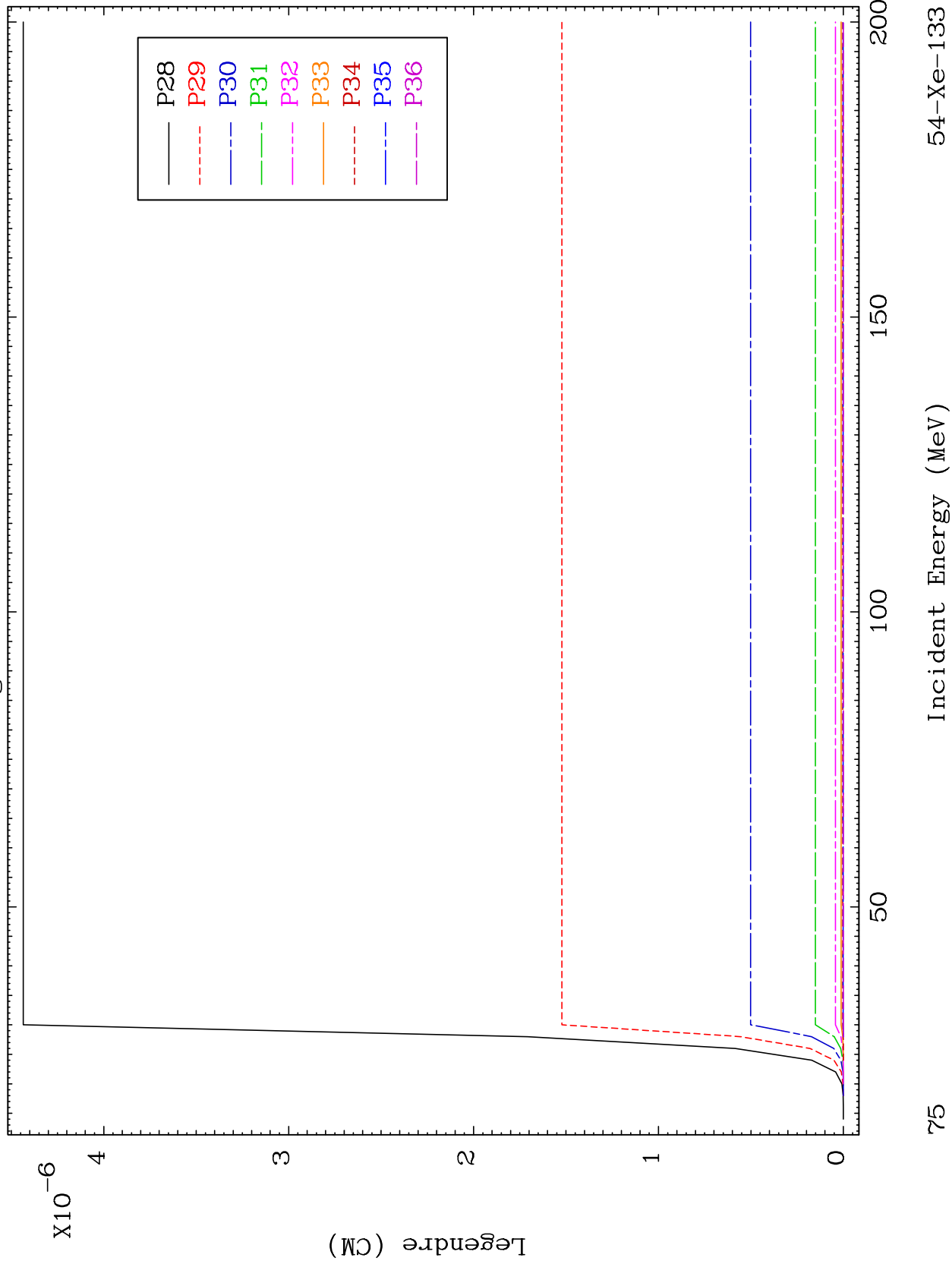
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



75

Incident Energy (MeV)

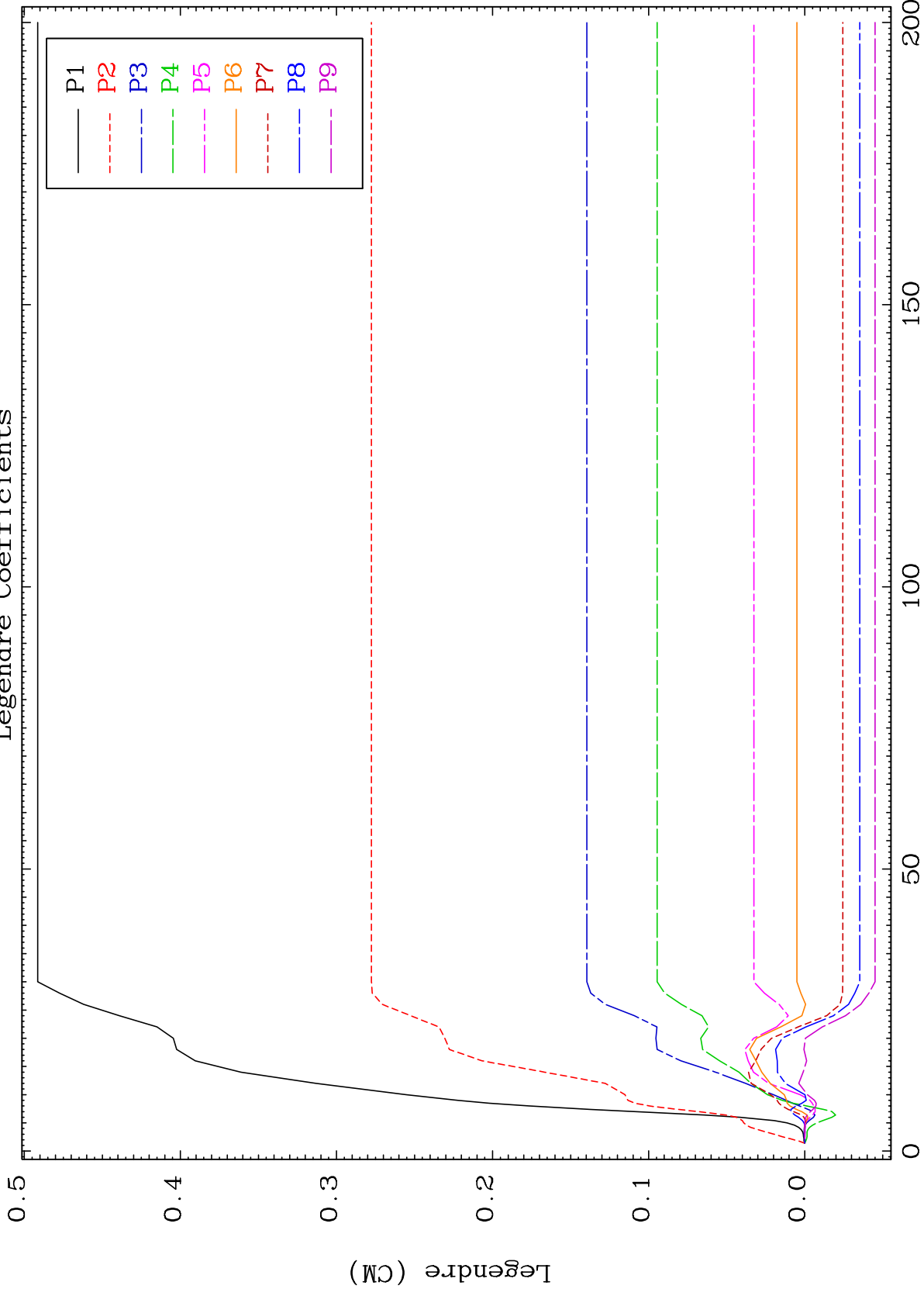
54-Xe-133

MAT 5452

MT= 65 (n,n') Level

54-Xe-133

Legendre Coefficients



76

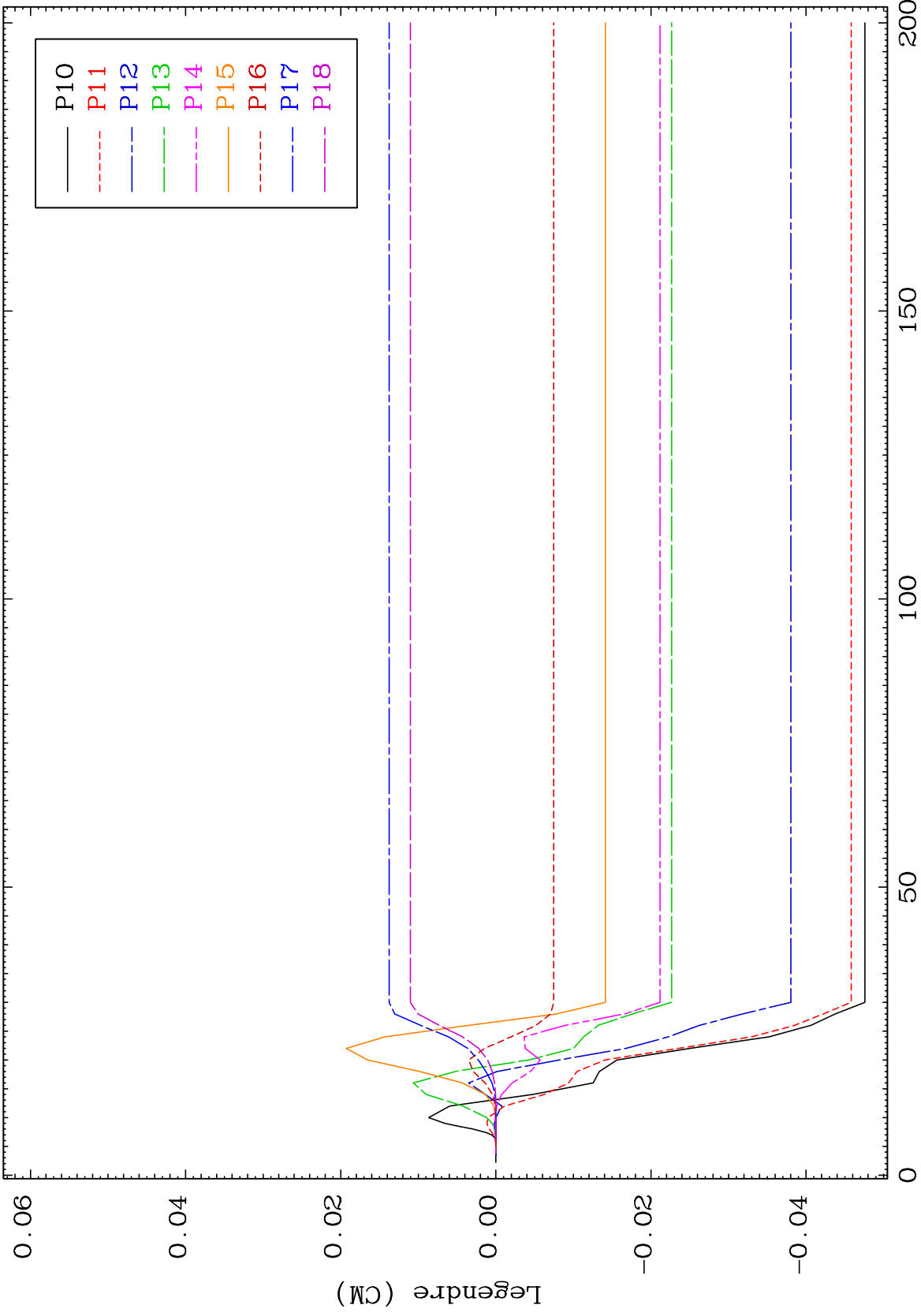
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



77

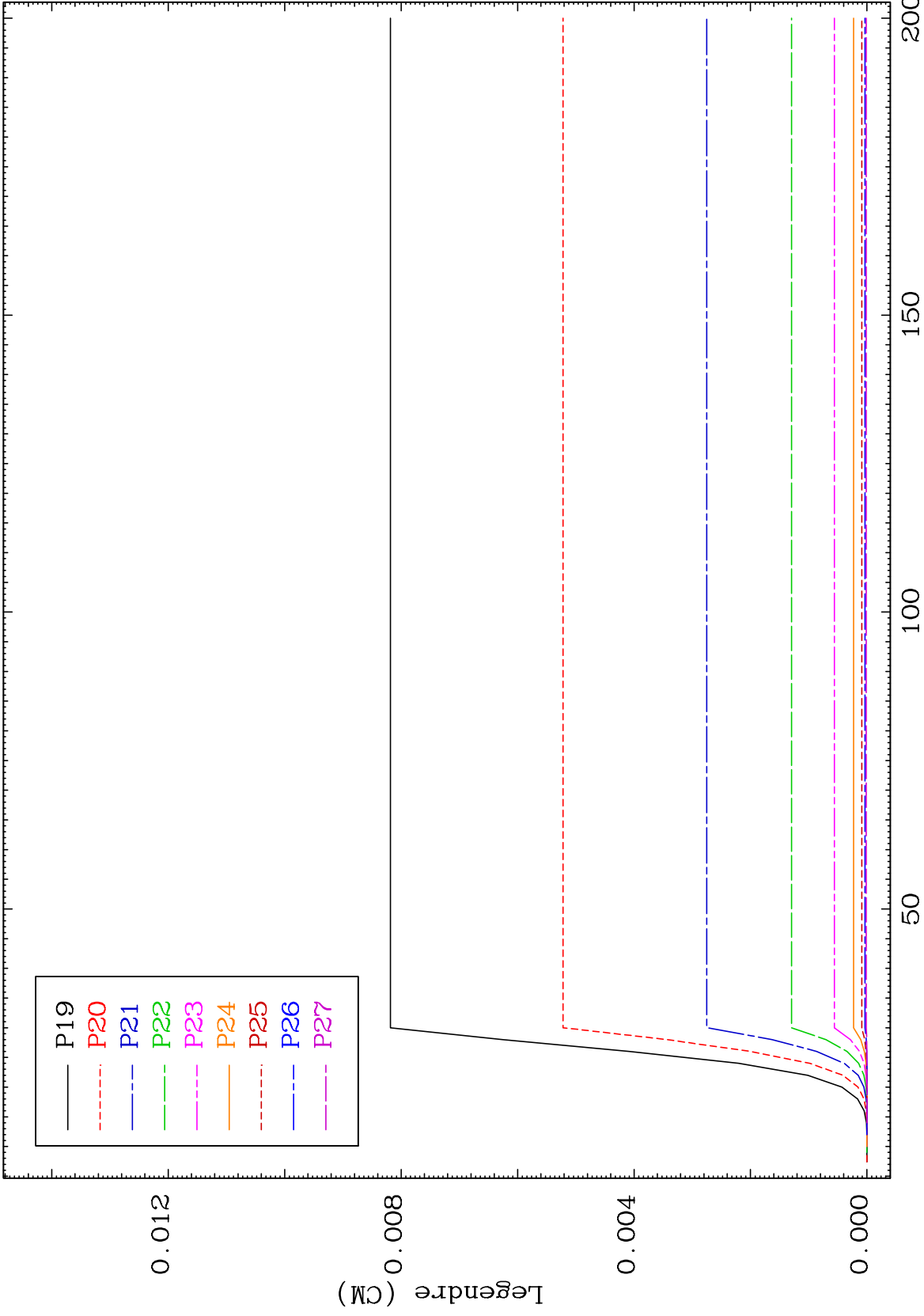
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



78

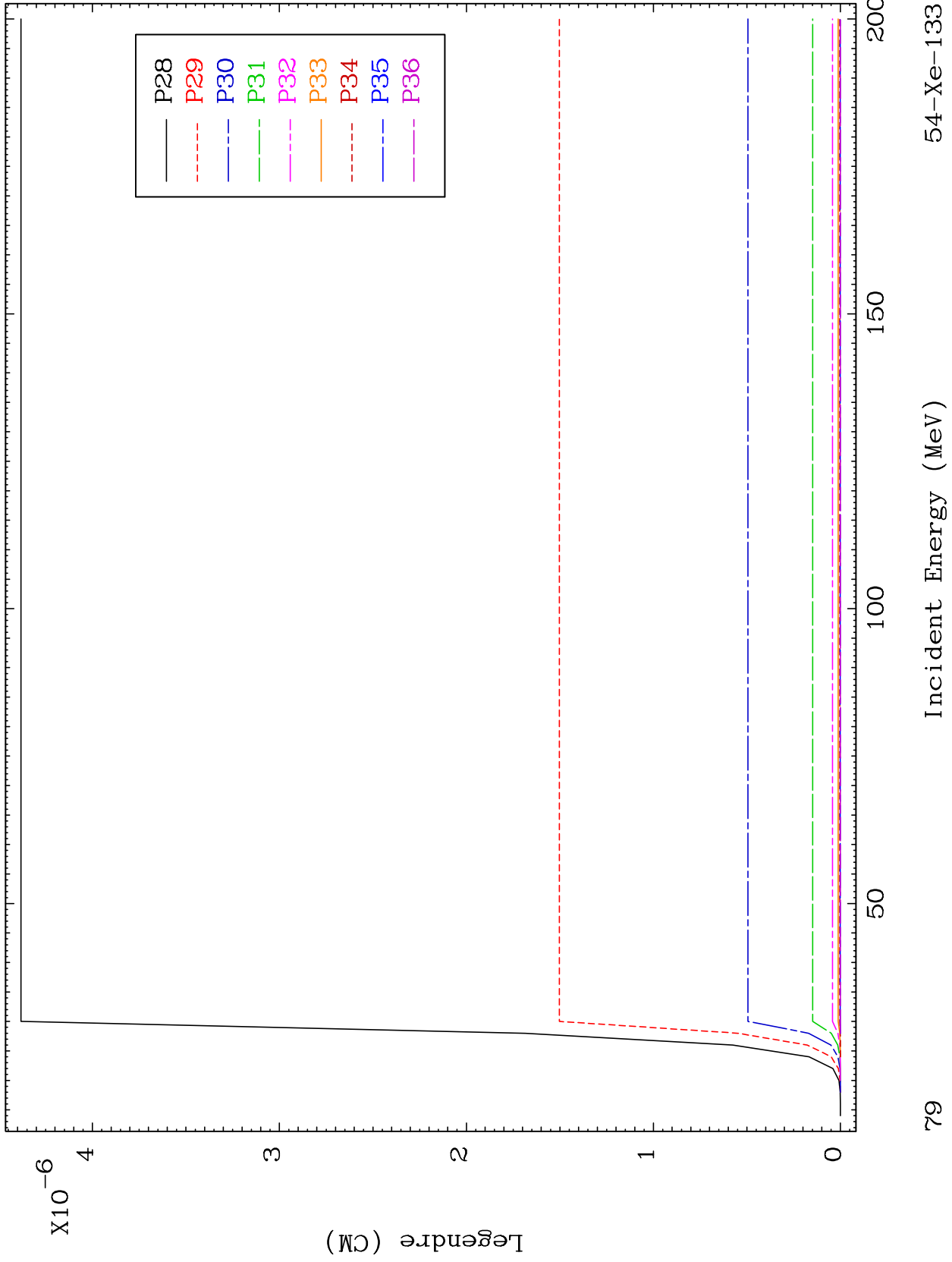
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133

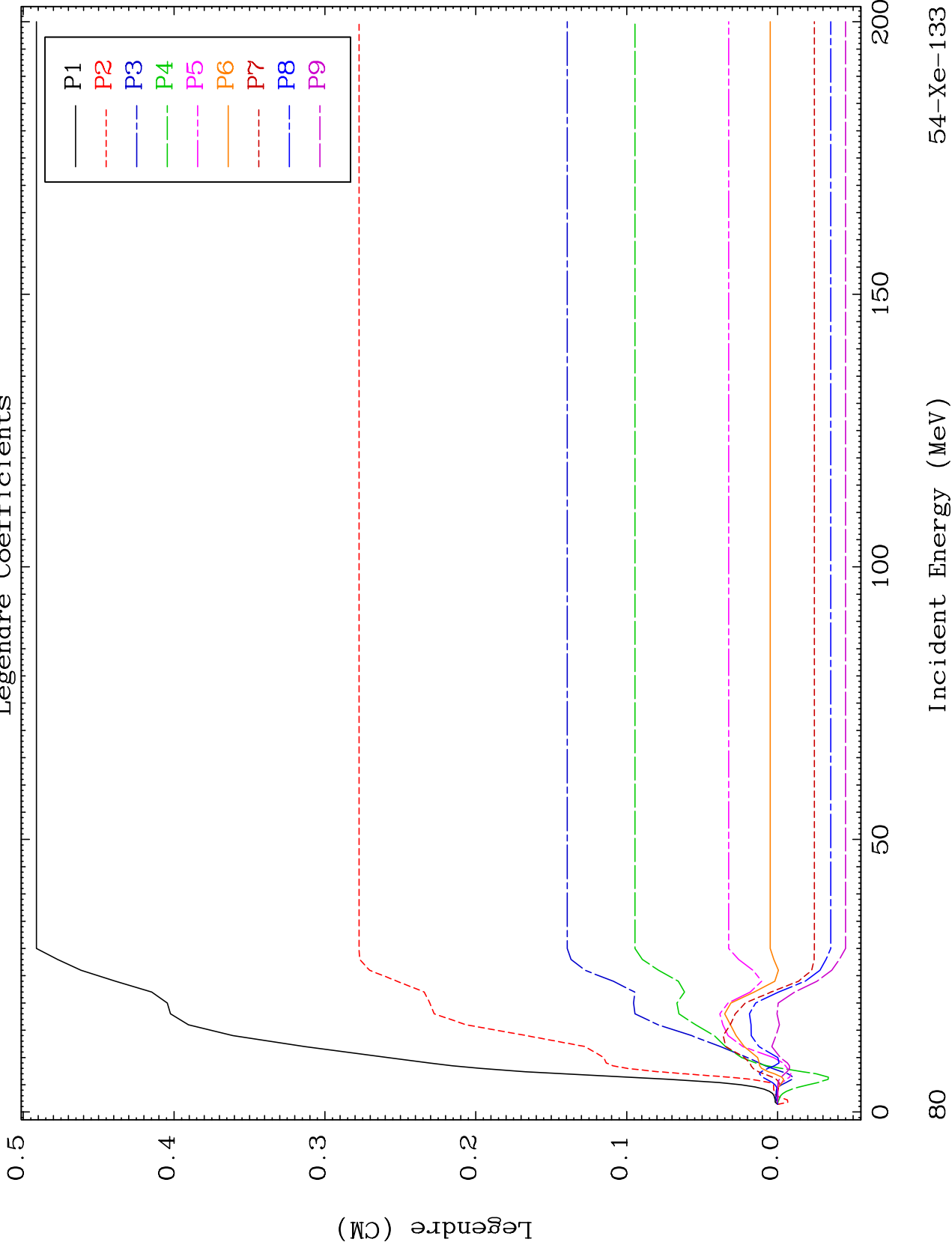


MAT 5452

MT= 66 (n,n') Level

54-Xe-133

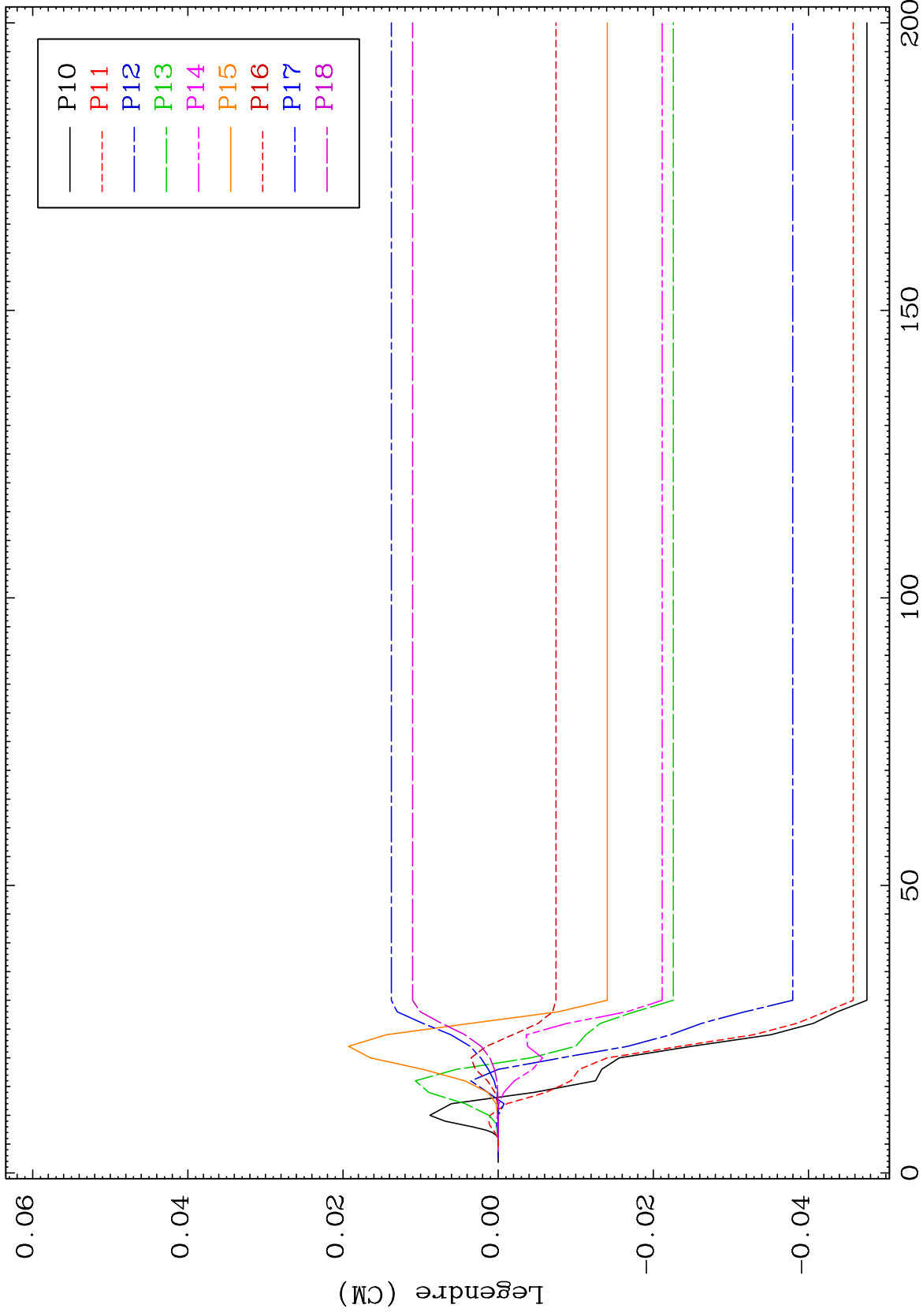
Legendre Coefficients



MAT 5452

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

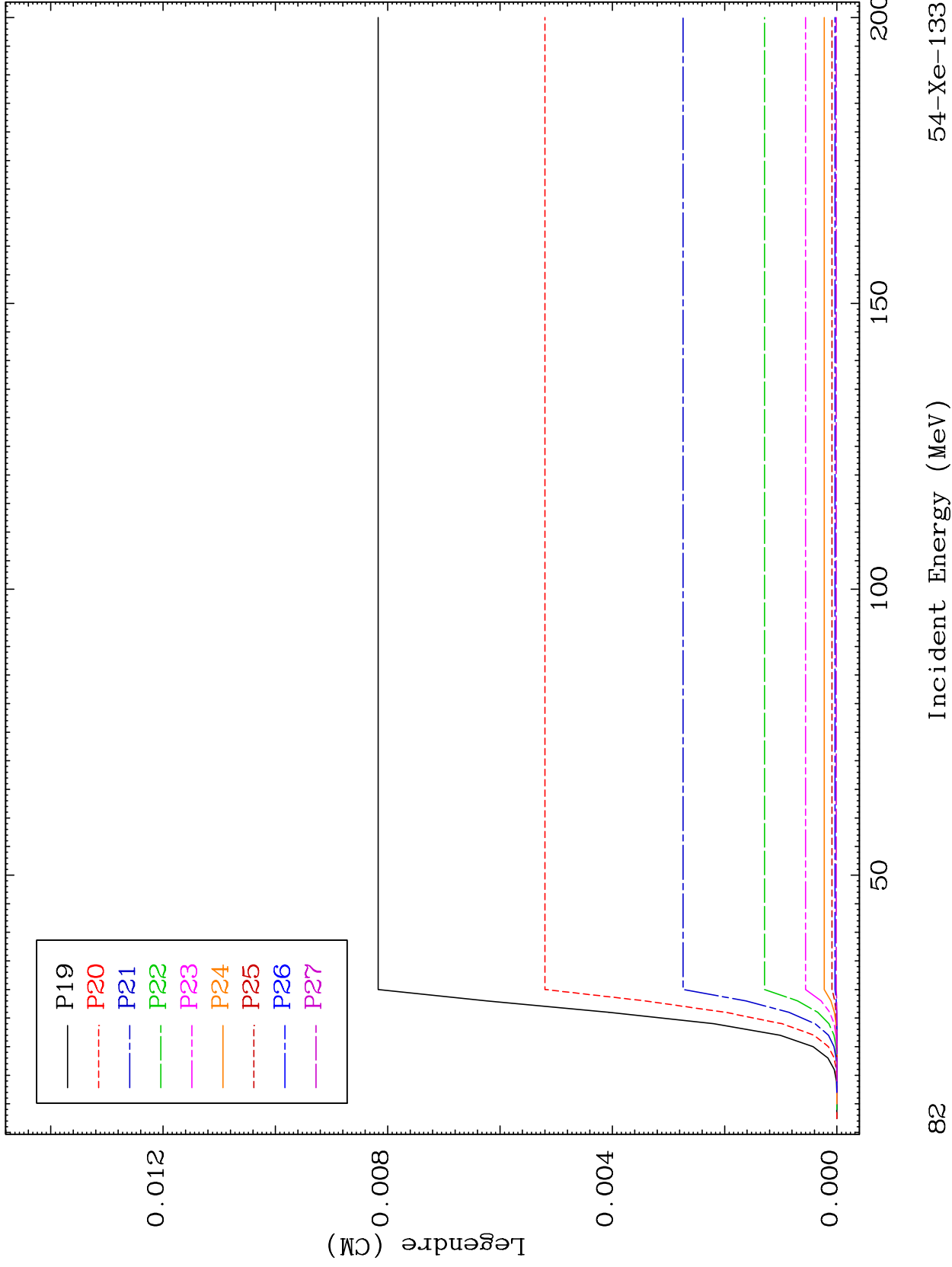
54-Xe-133



81

Incident Energy (MeV)

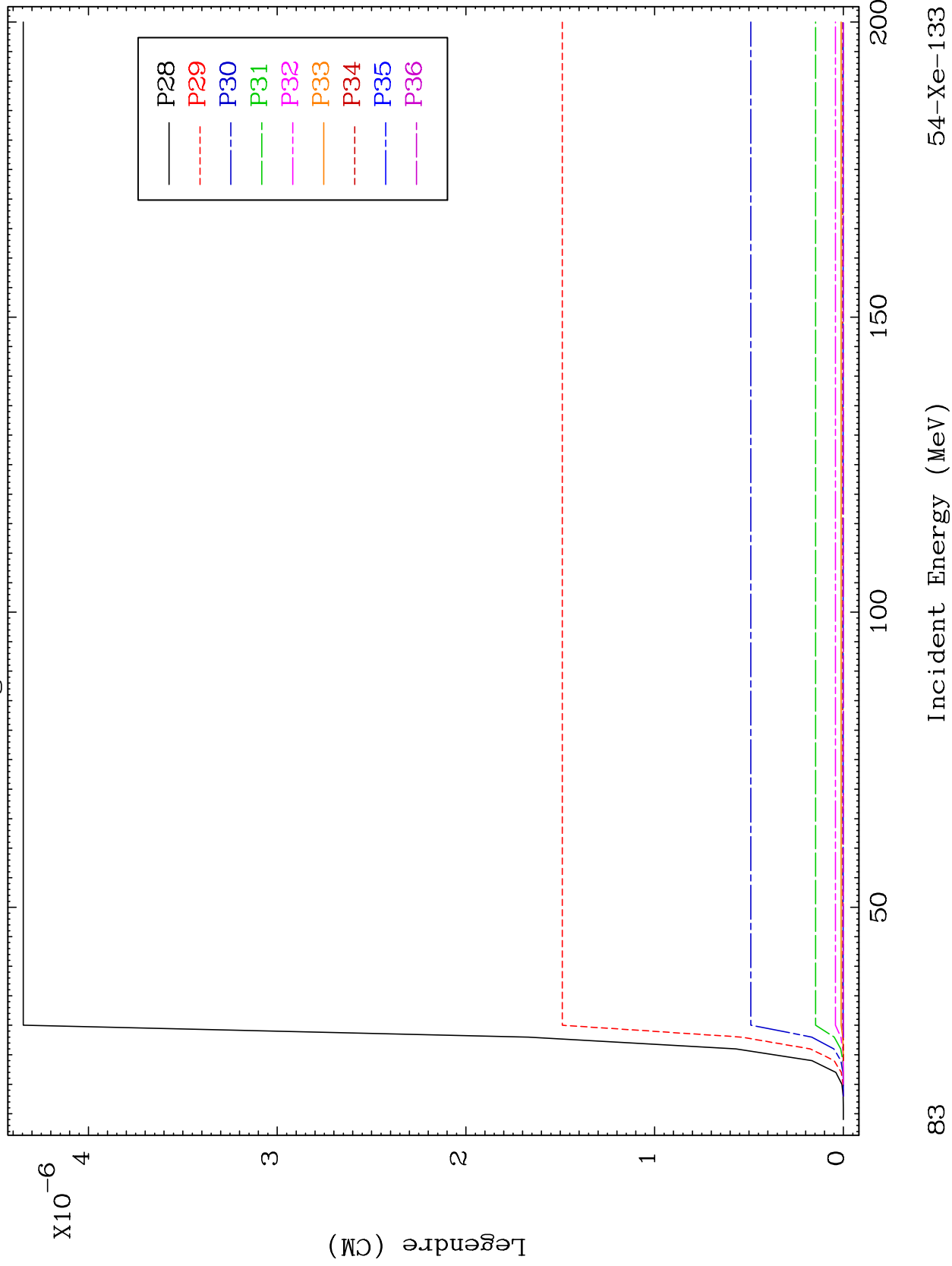
54-Xe-133



MAT 5452

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

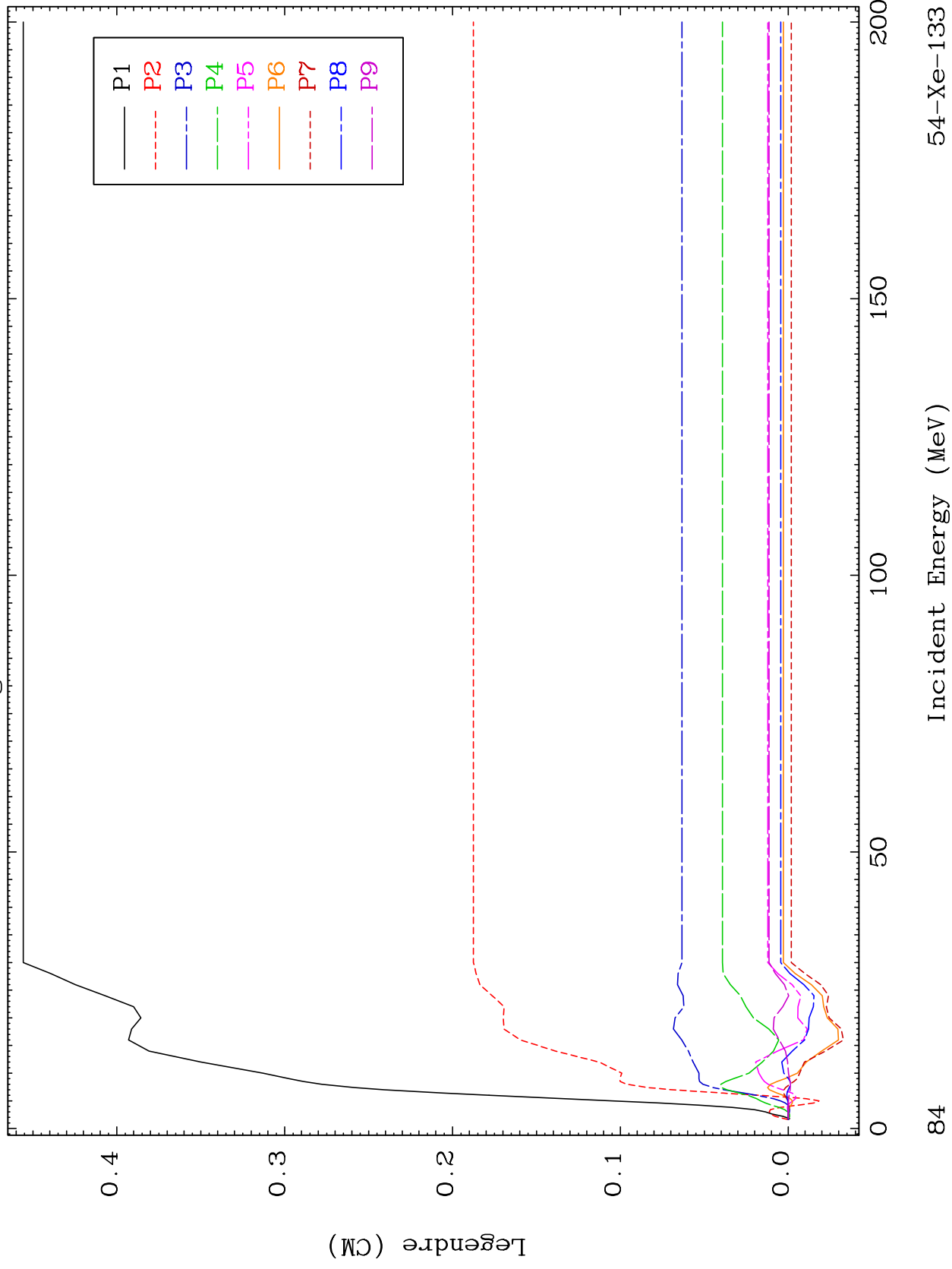
54-Xe-133



MAT 5452

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

54-Xe-133



54-Xe-133

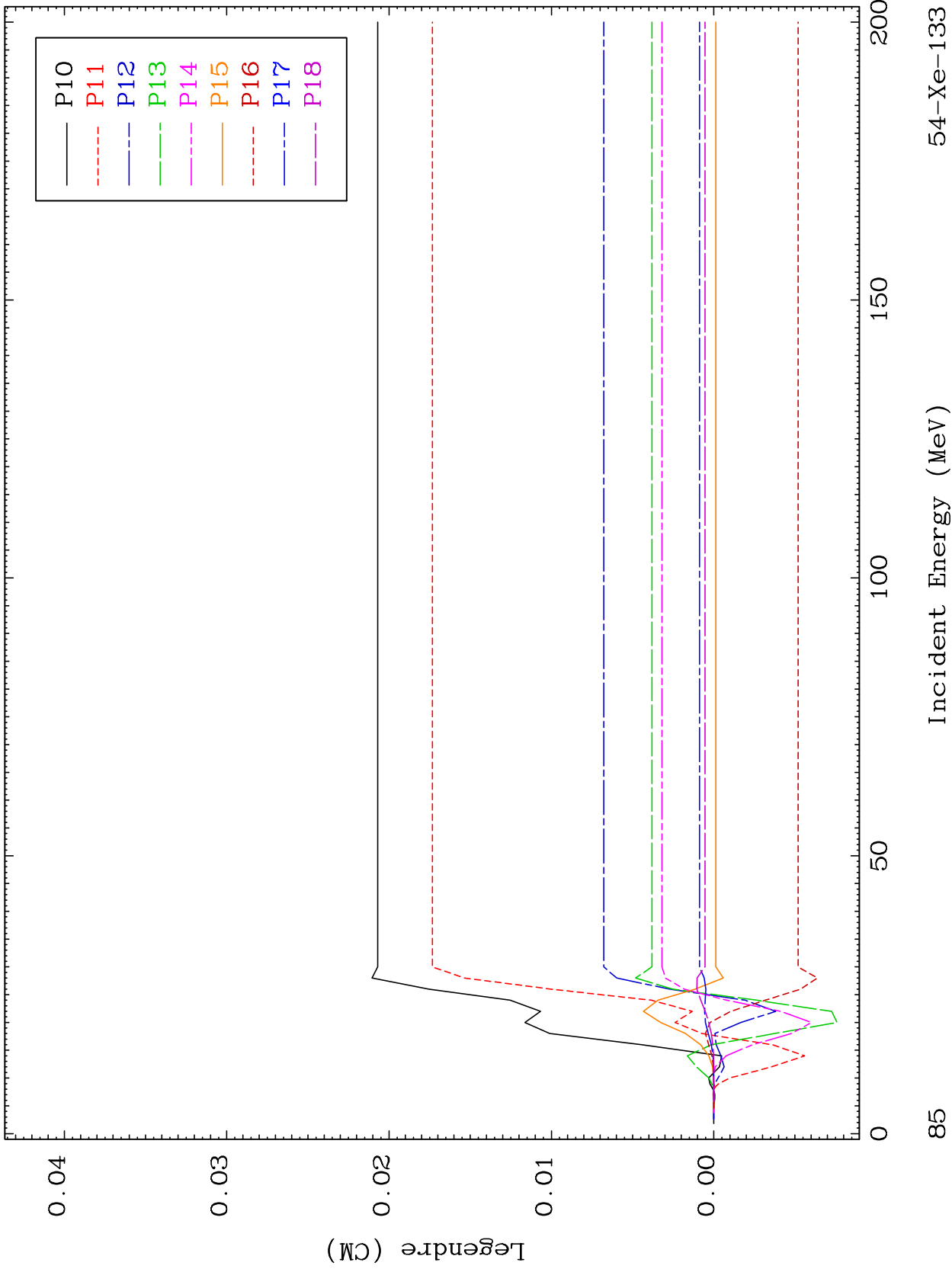
Incident Energy (MeV)

84

MAT 5452

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

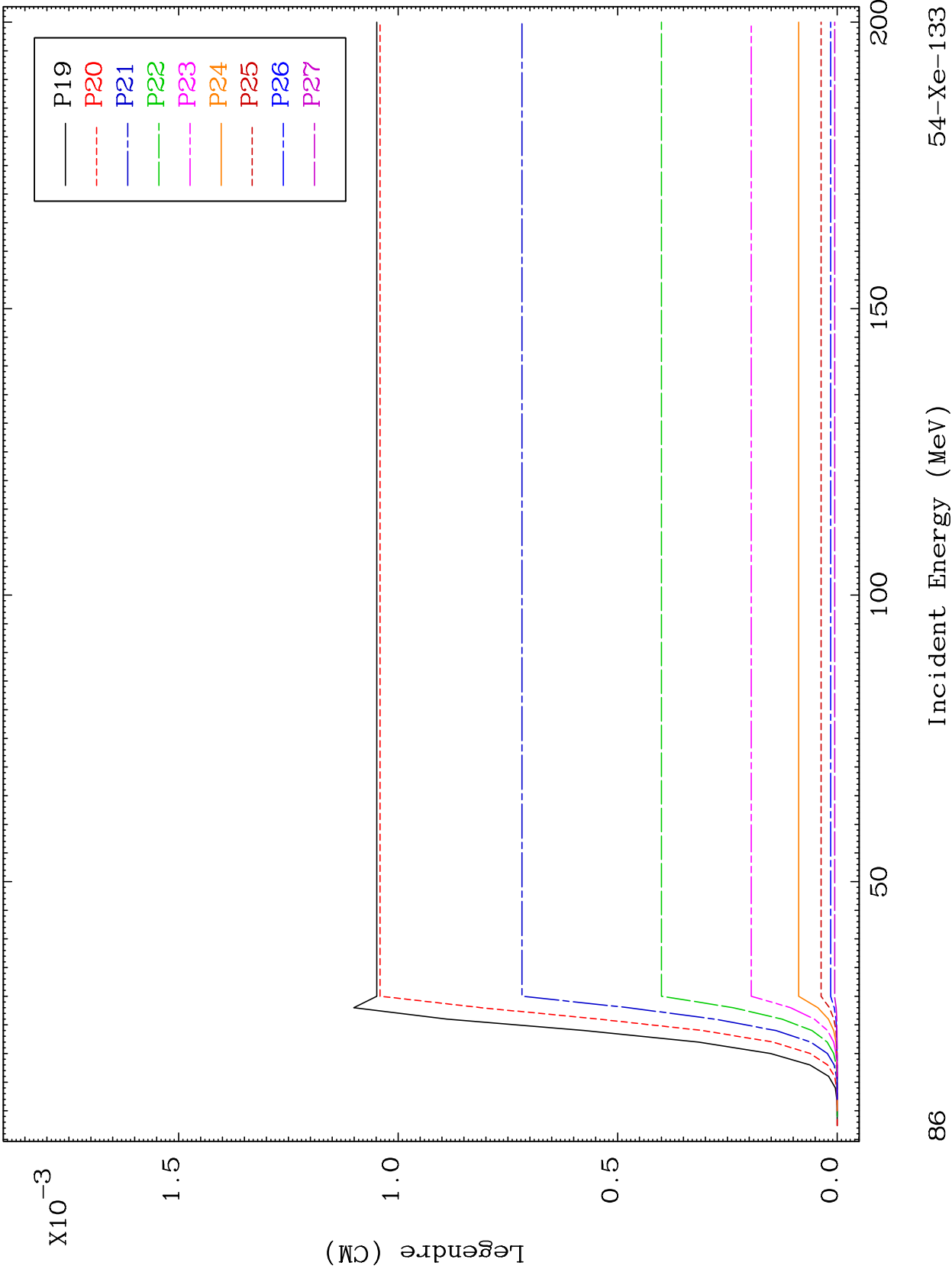
54-Xe-133



54-Xe-133

Incident Energy (MeV)

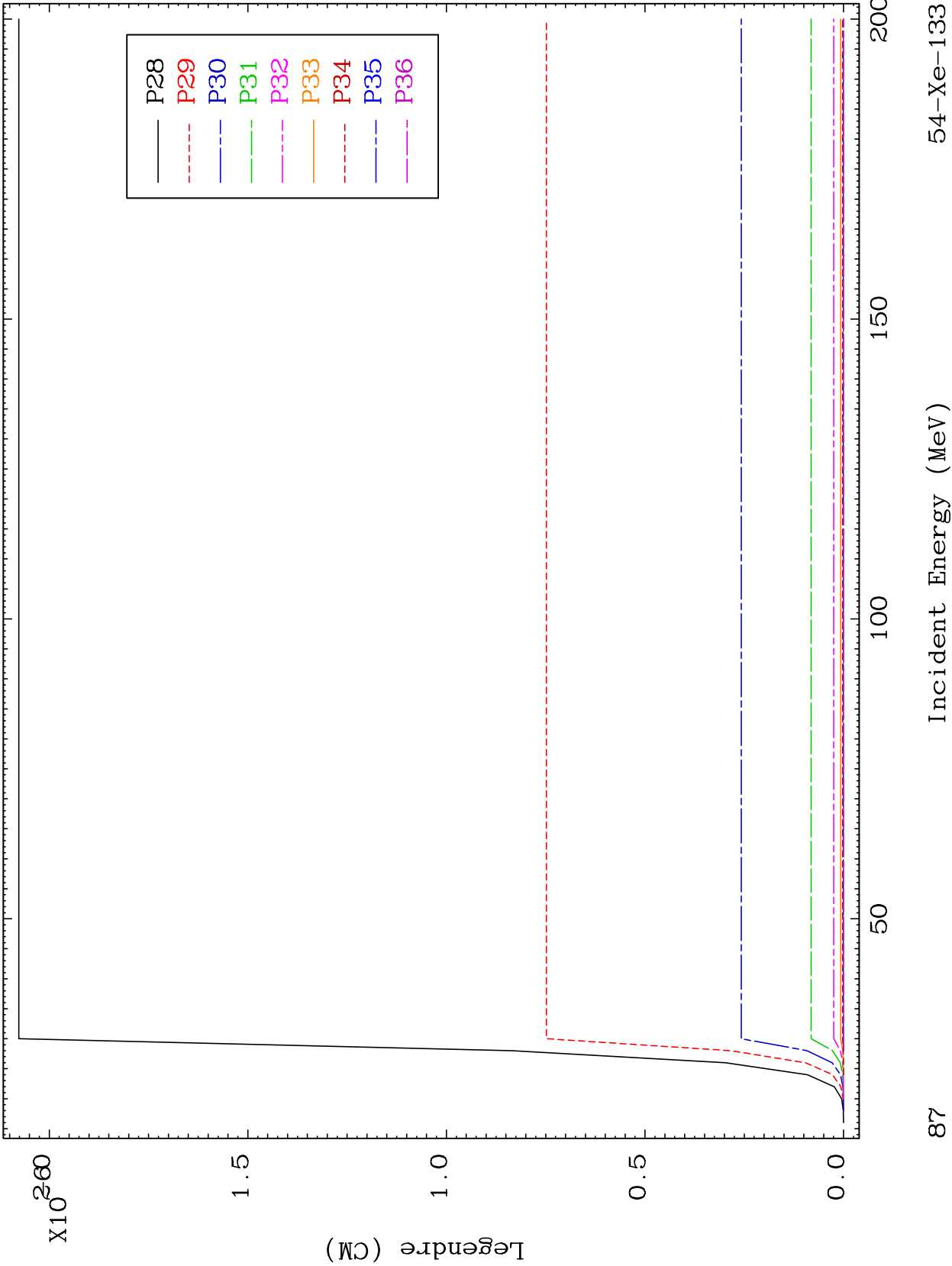
85



MAT 5452

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

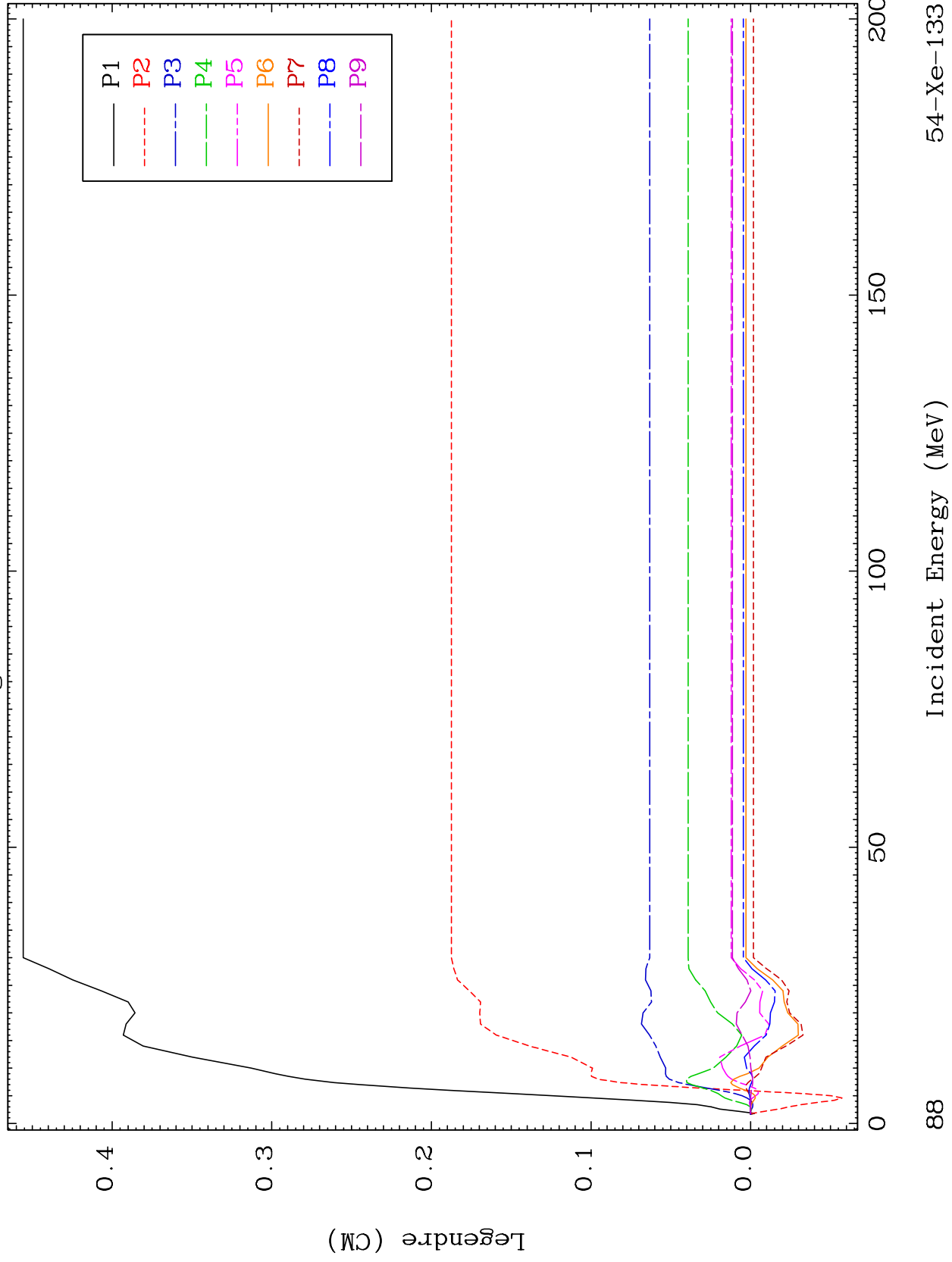
54-Xe-133



MAT 5452

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

54-Xe-133



54-Xe-133

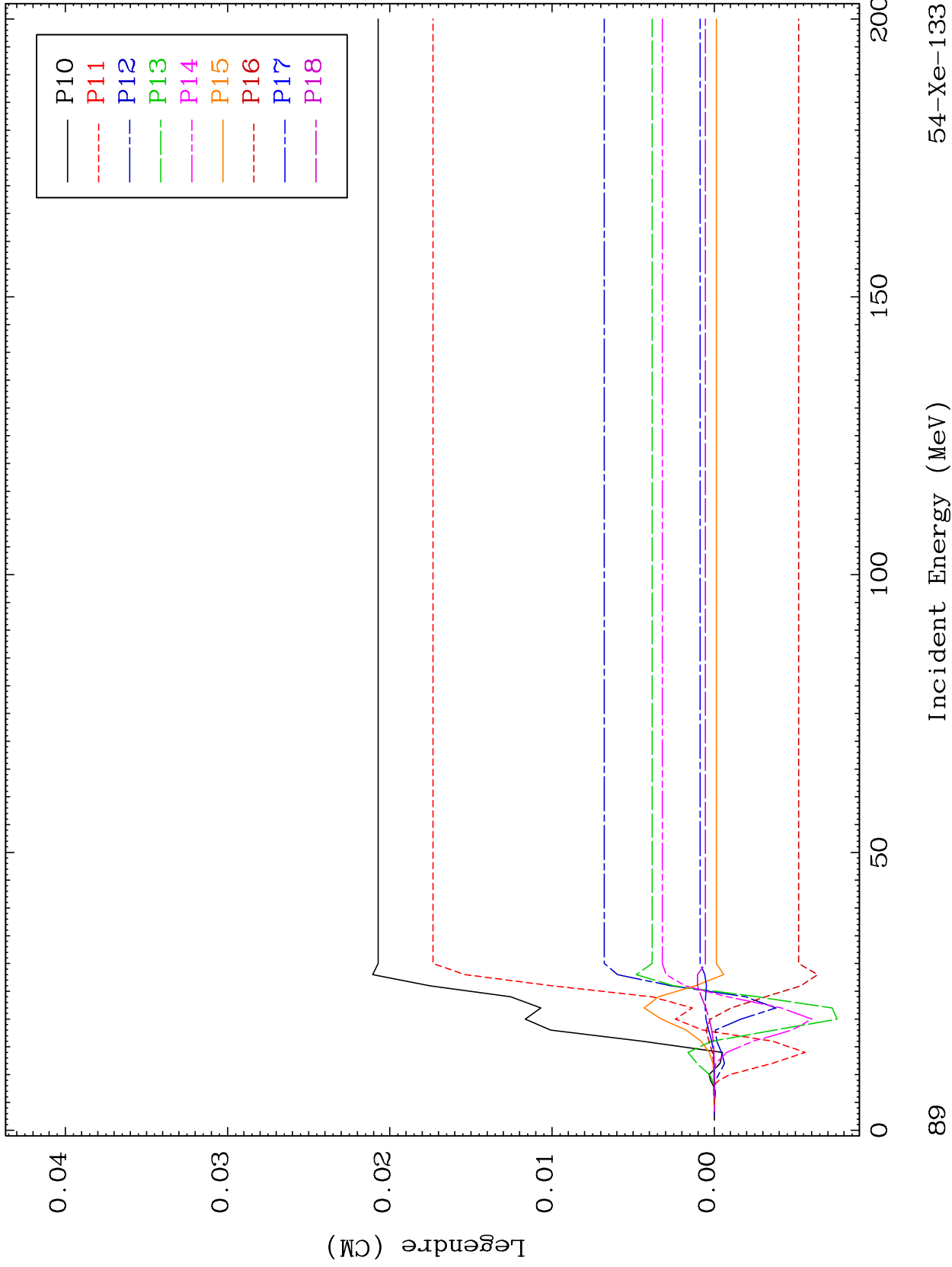
Incident Energy (MeV)

88

MAT 5452

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

54-Xe-133



54-Xe-133

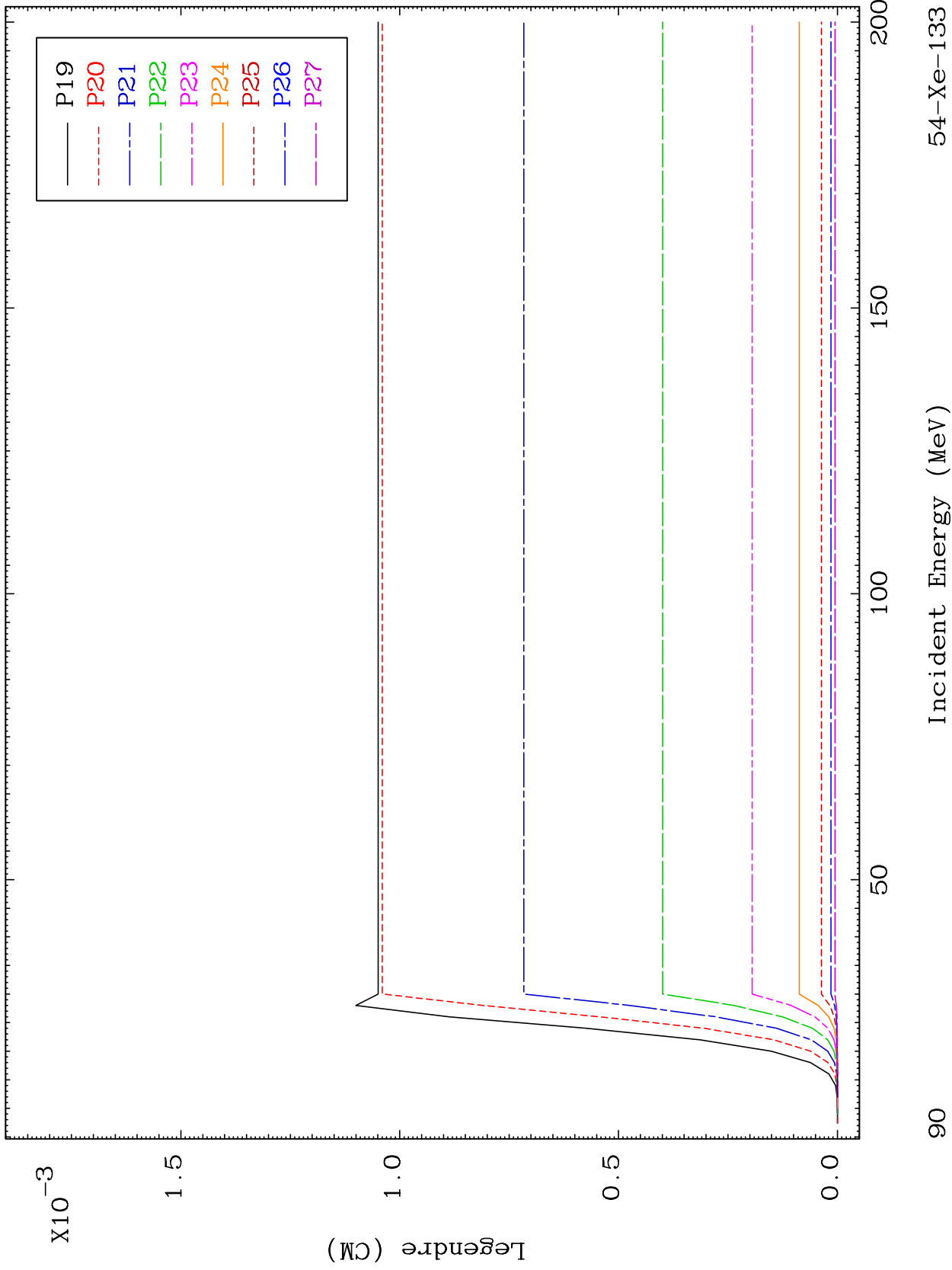
Incident Energy (MeV)

89

MAT 5452

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

54-Xe-133



90

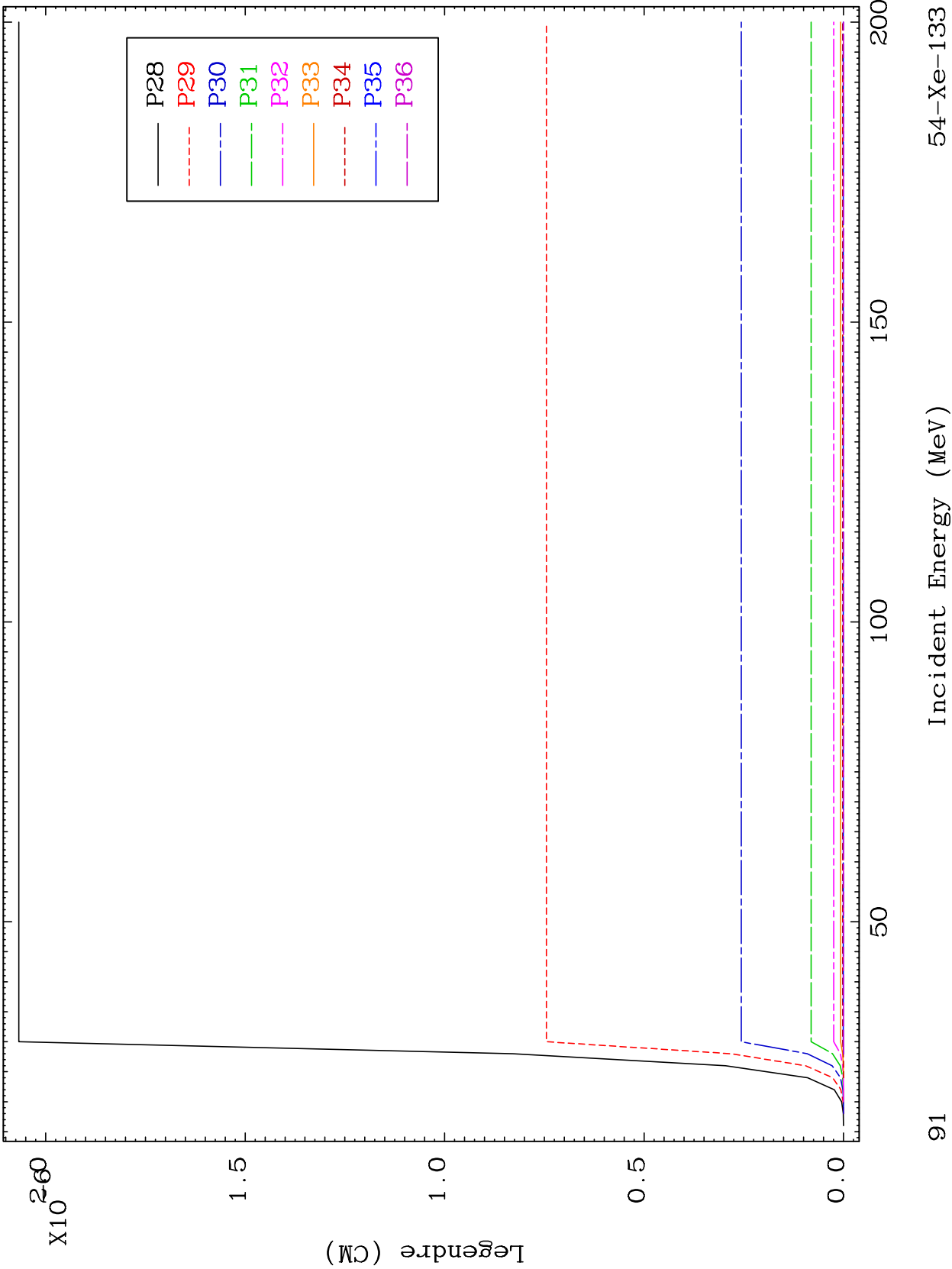
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

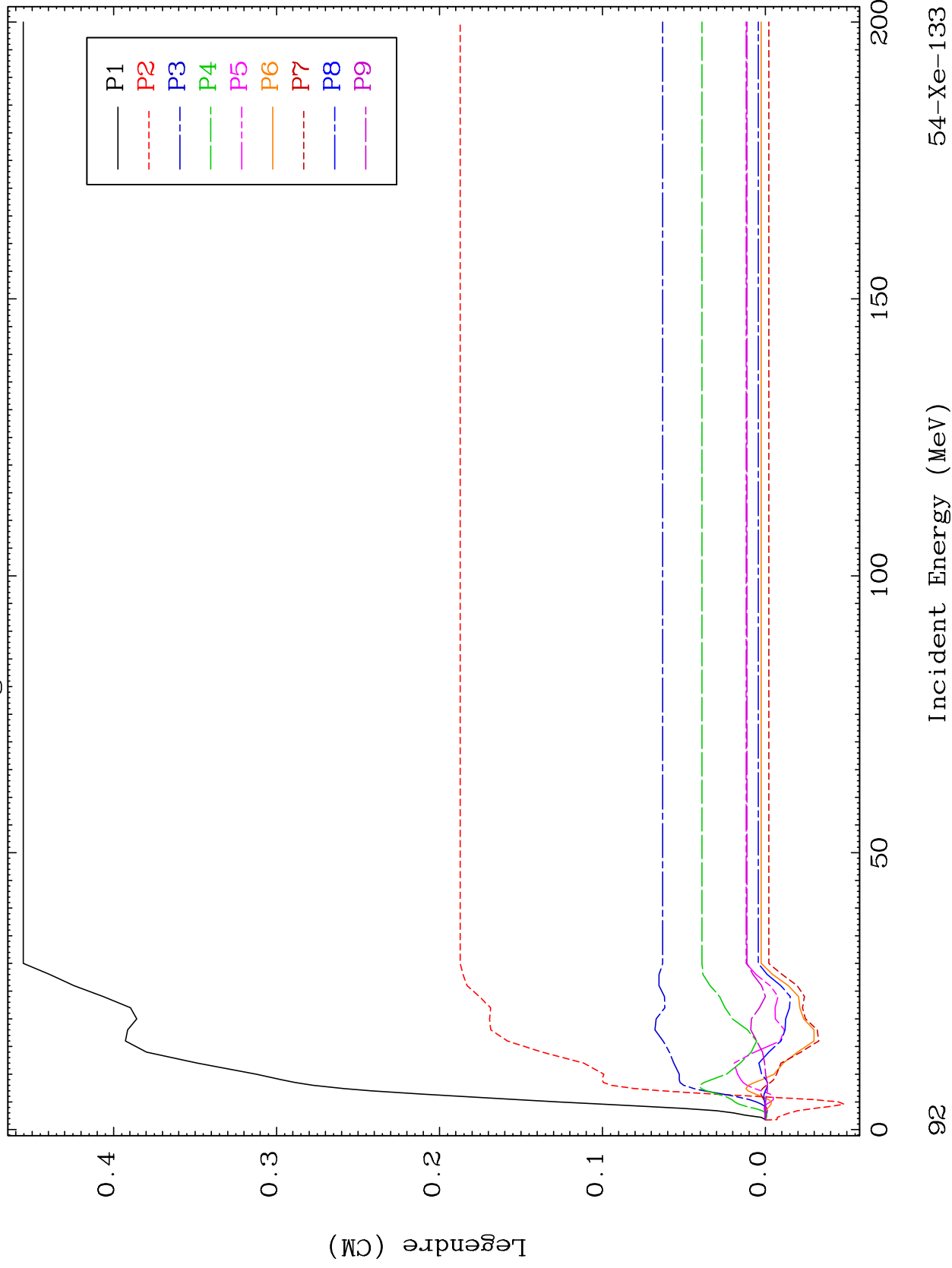
54-Xe-133



MAT 5452

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

54-Xe-133



54-Xe-133

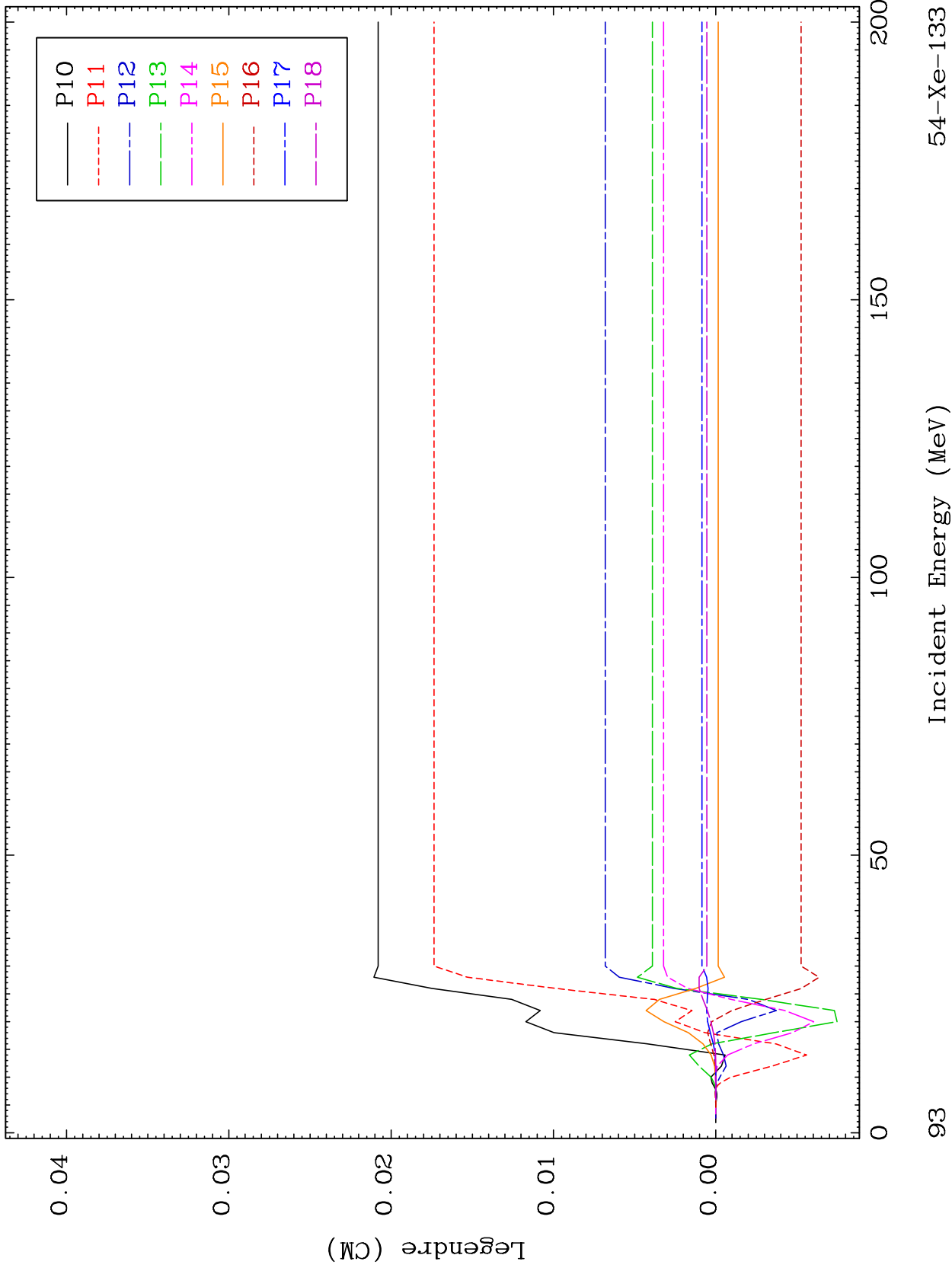
Incident Energy (MeV)

92

MAT 5452

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

54-Xe-133



93

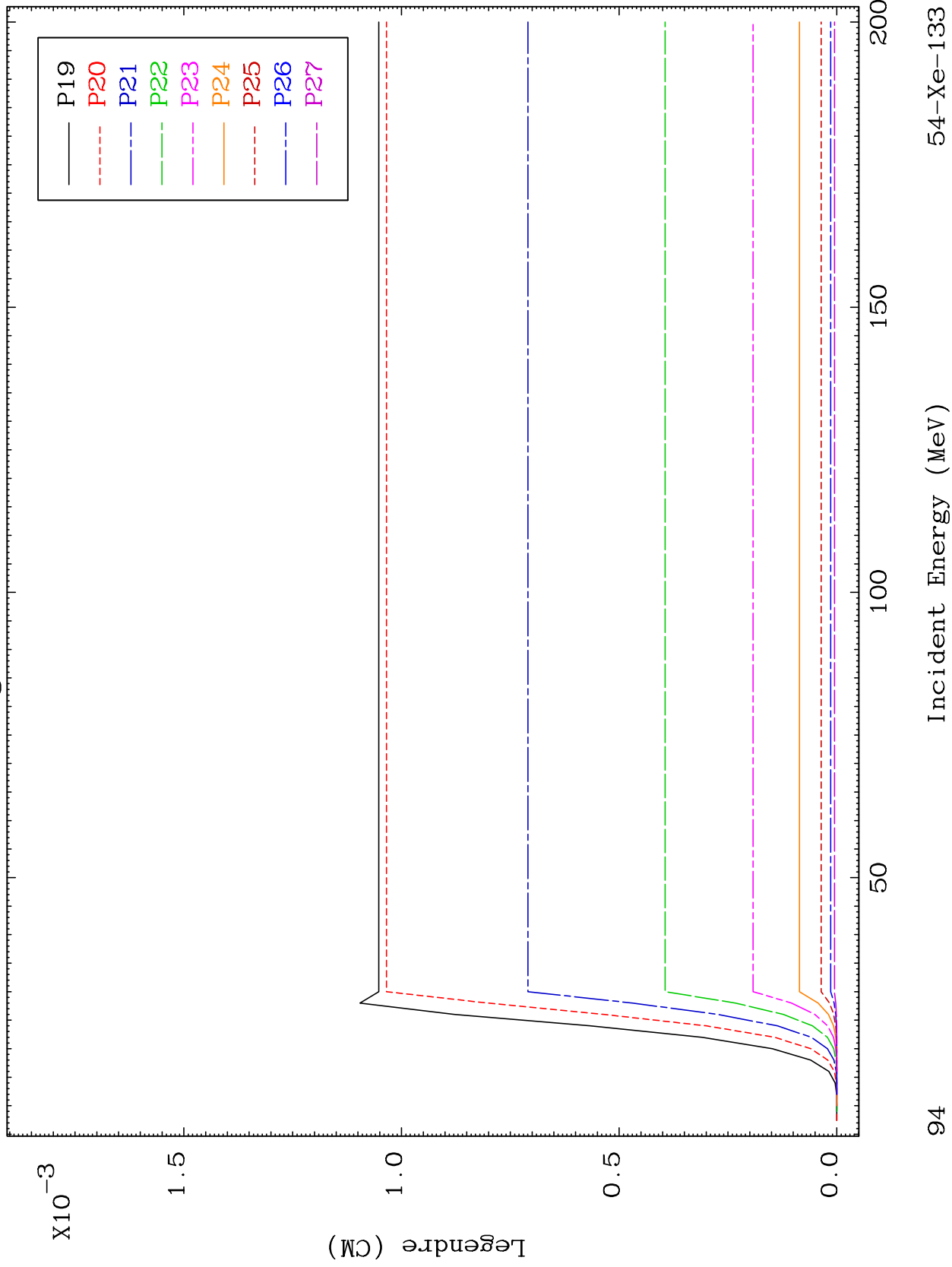
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



94

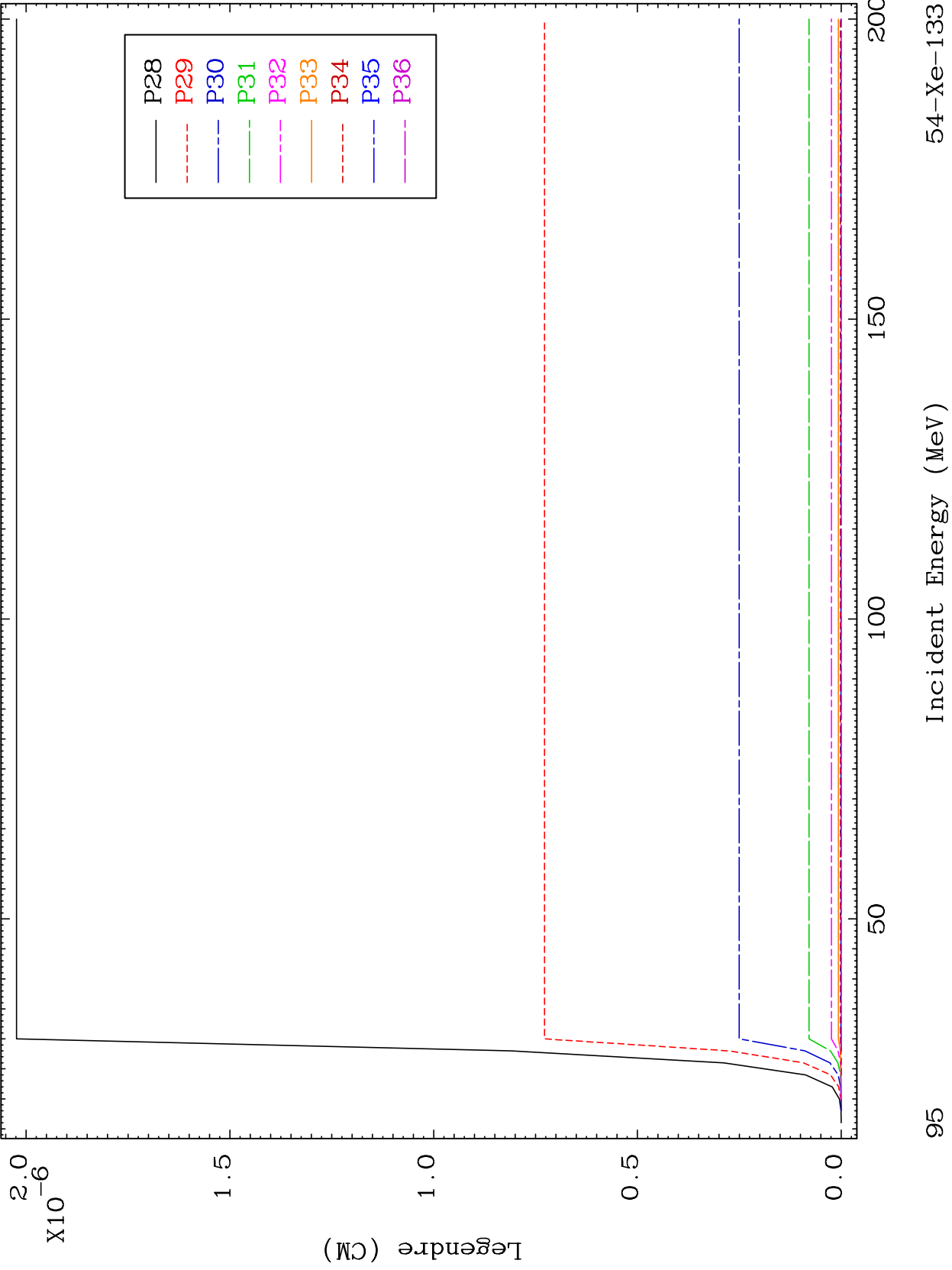
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



54-Xe-133

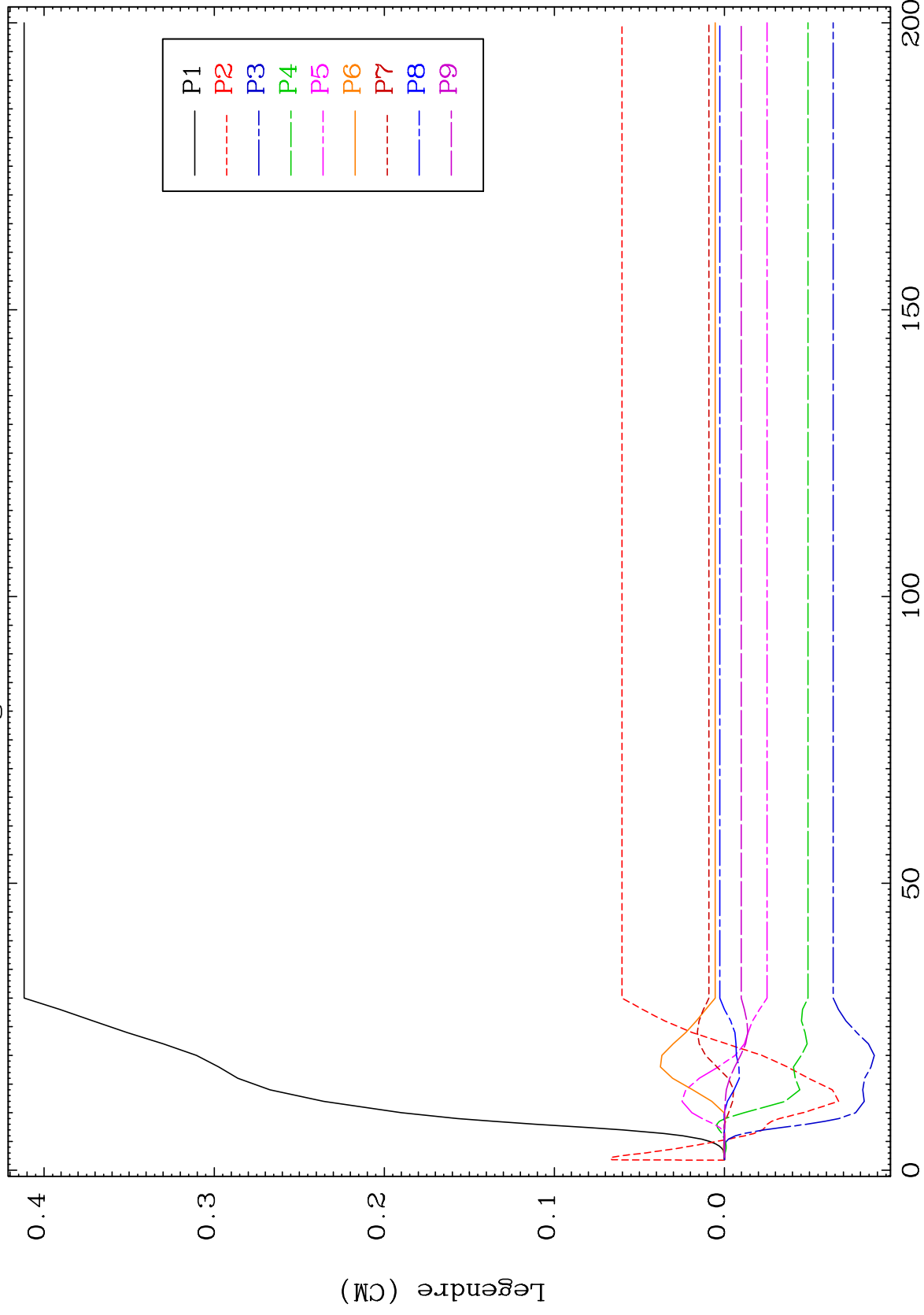
Incident Energy (MeV)

95

MAT 5452

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

54-Xe-133



96

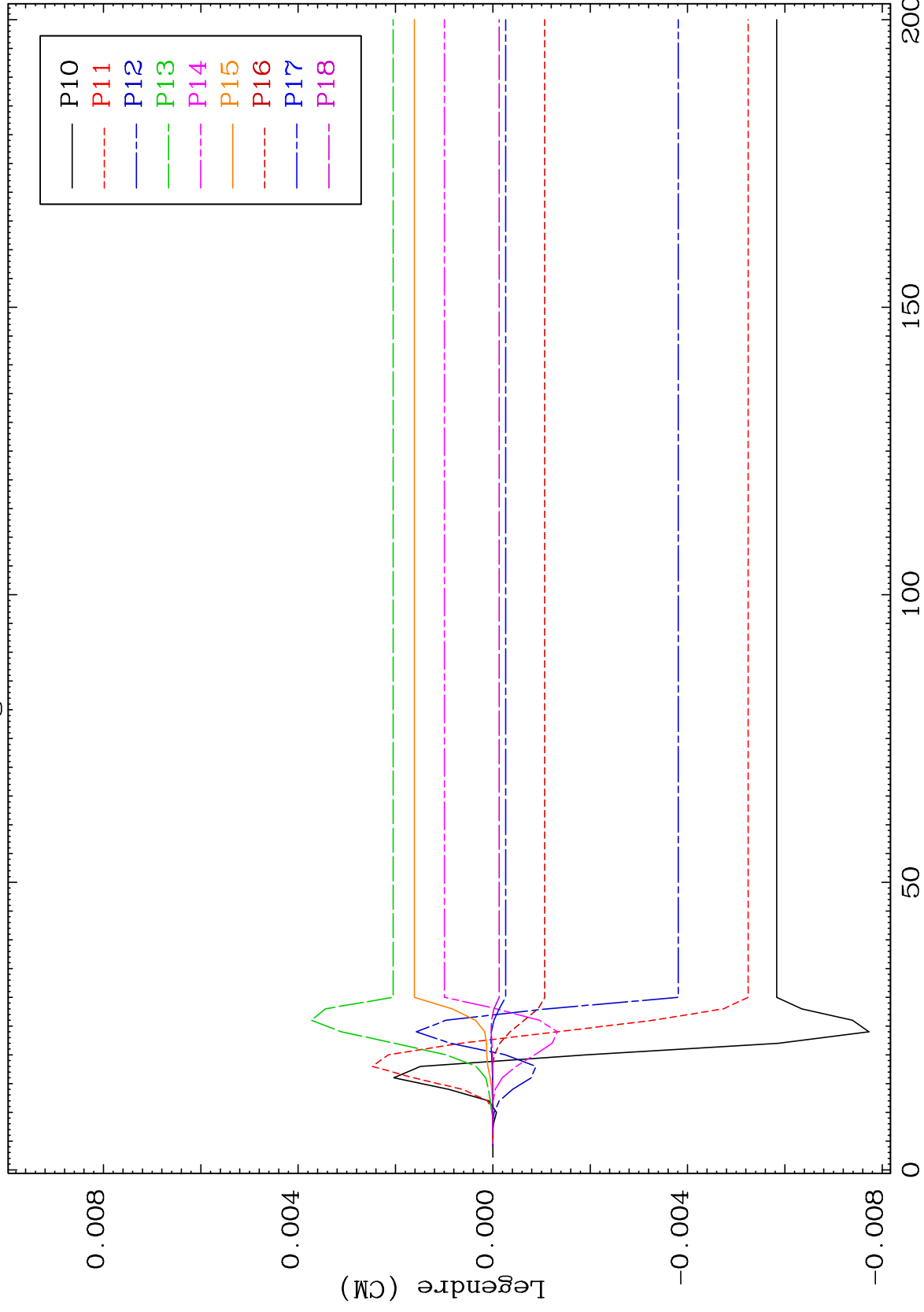
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



97

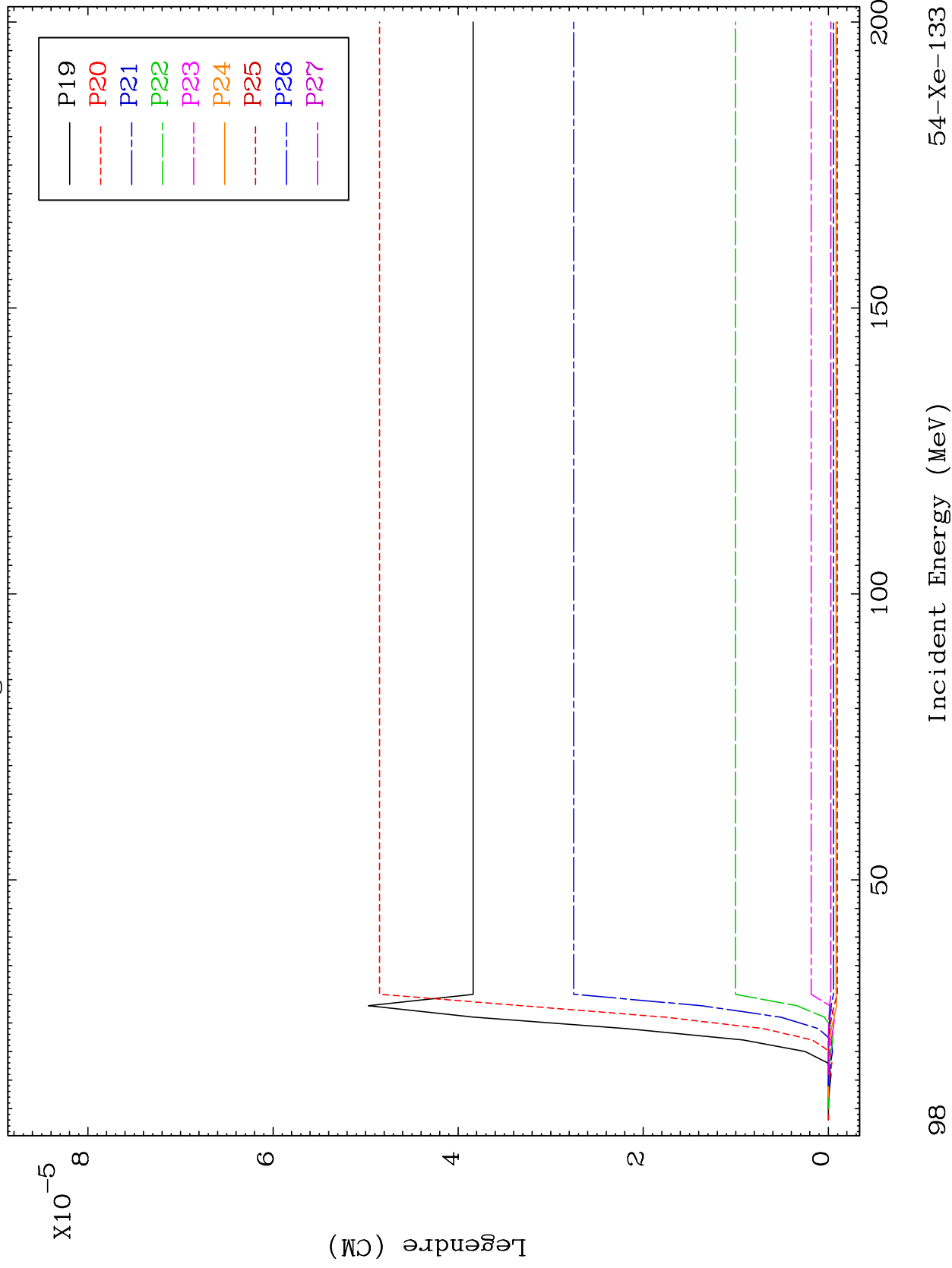
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

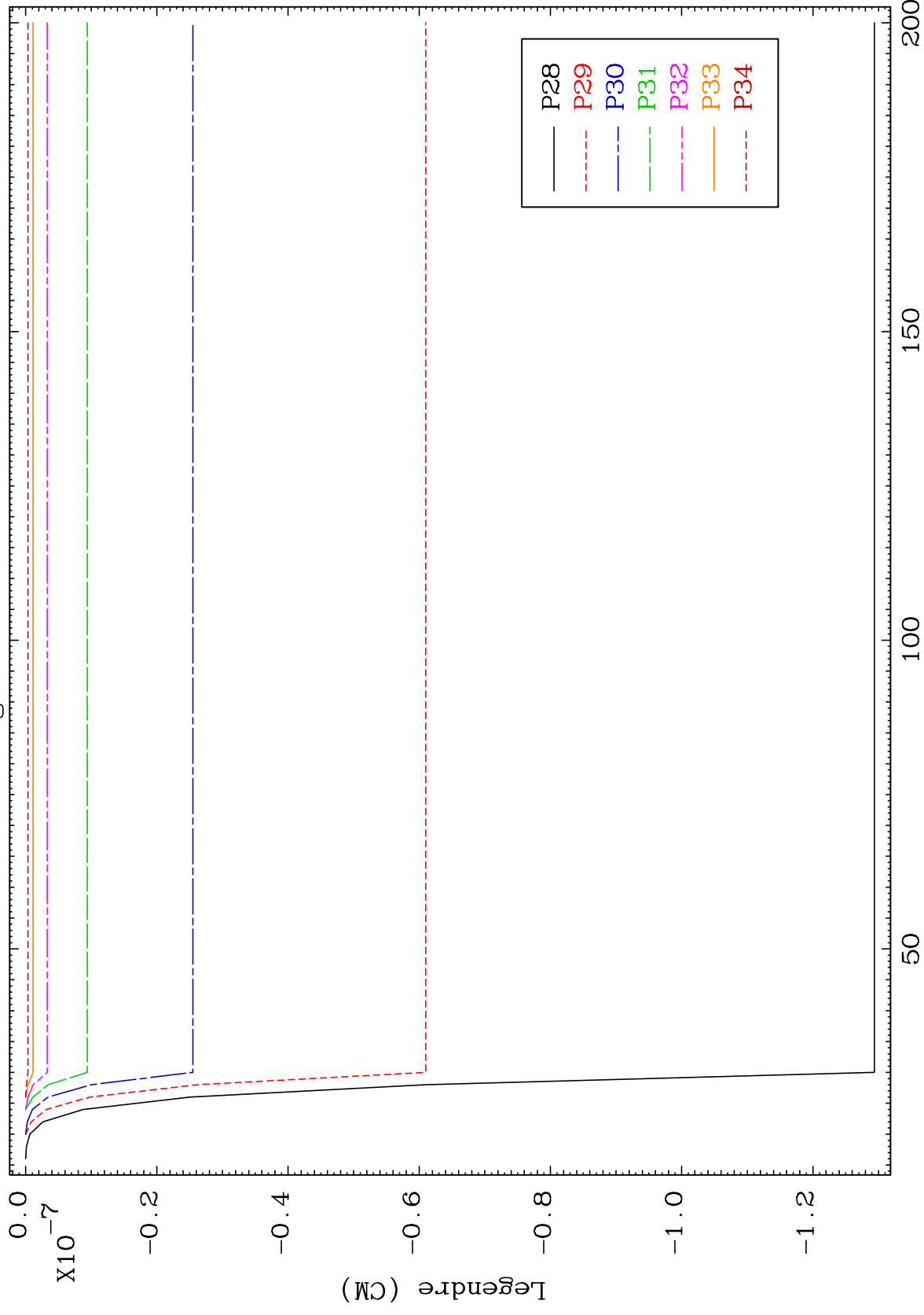
54-Xe-133



MAT 5452

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

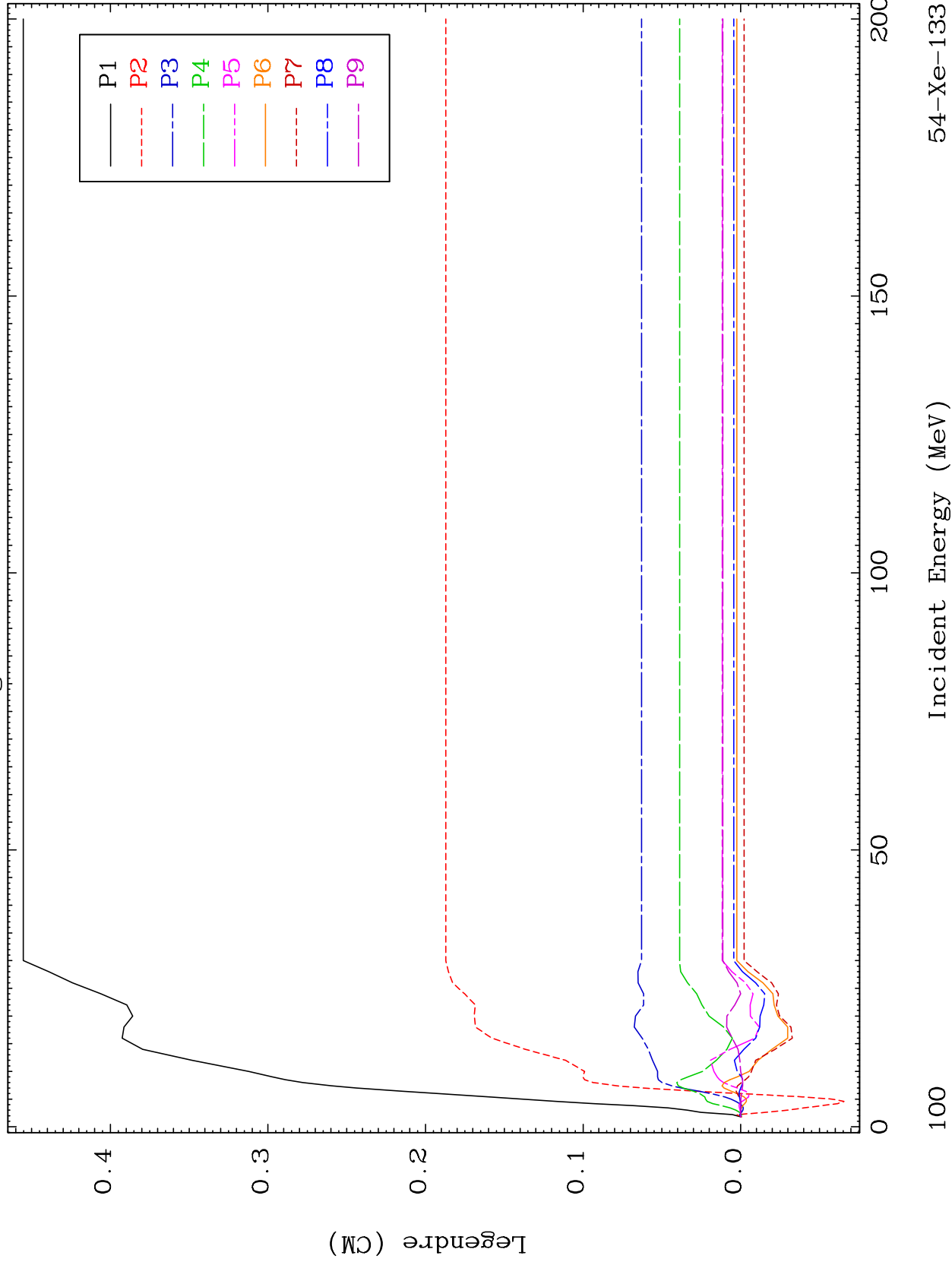
54-Xe-133



MAT 5452

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

54-Xe-133



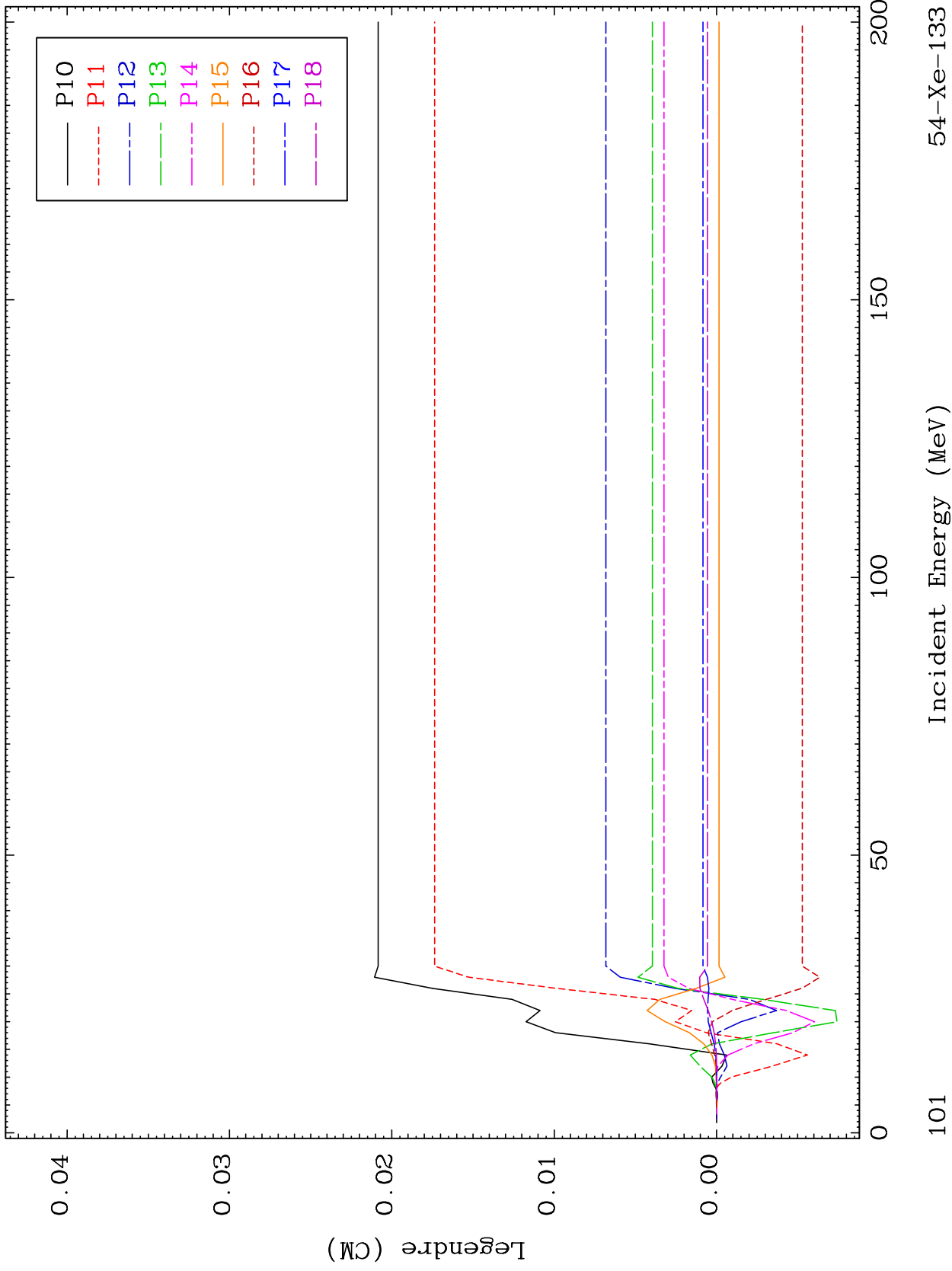
54-Xe-133

Incident Energy (MeV)

MAT 5452

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

54-Xe-133



54-Xe-133

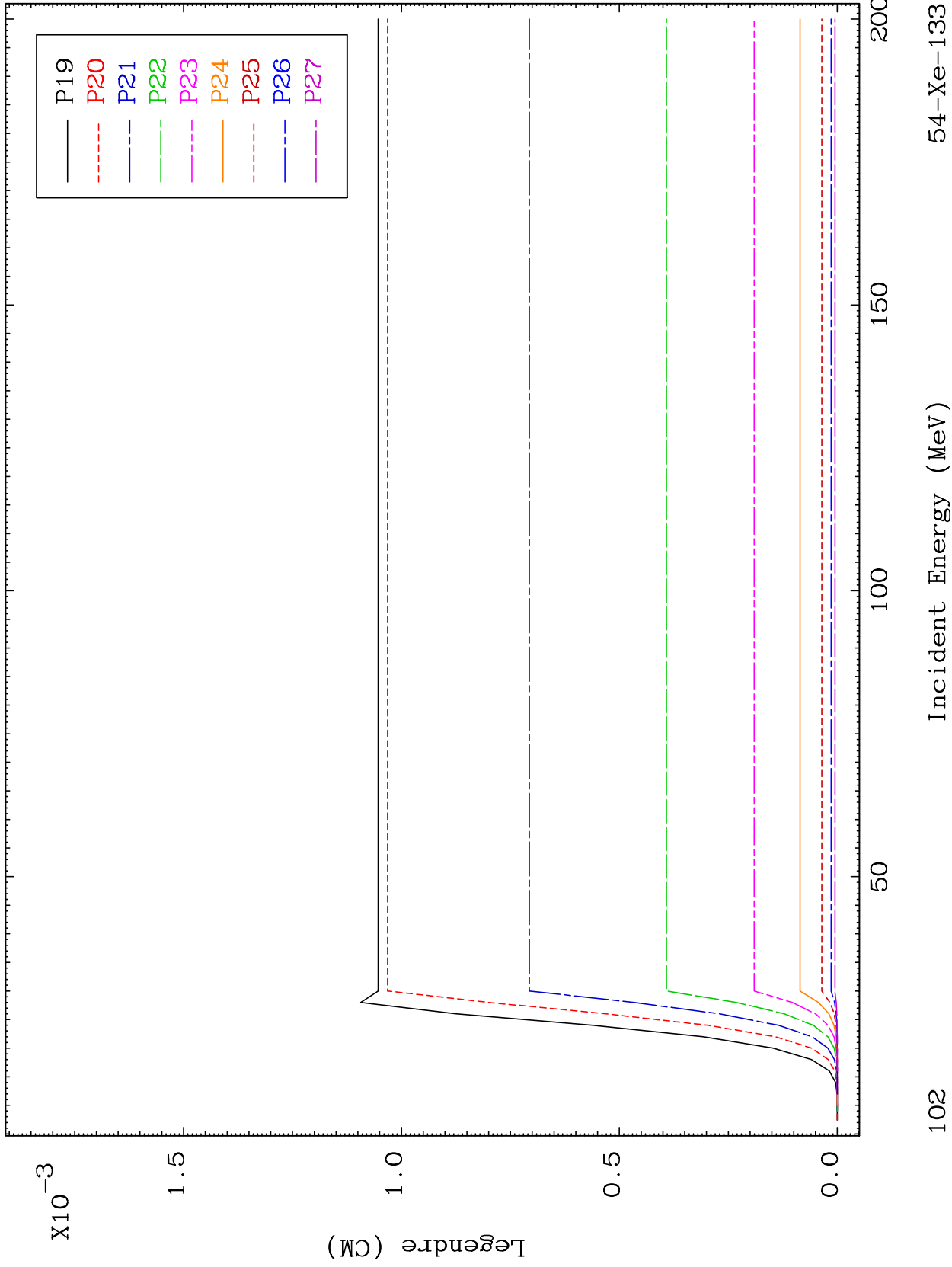
Incident Energy (MeV)

101

MAT 5452

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

54-Xe-133



102

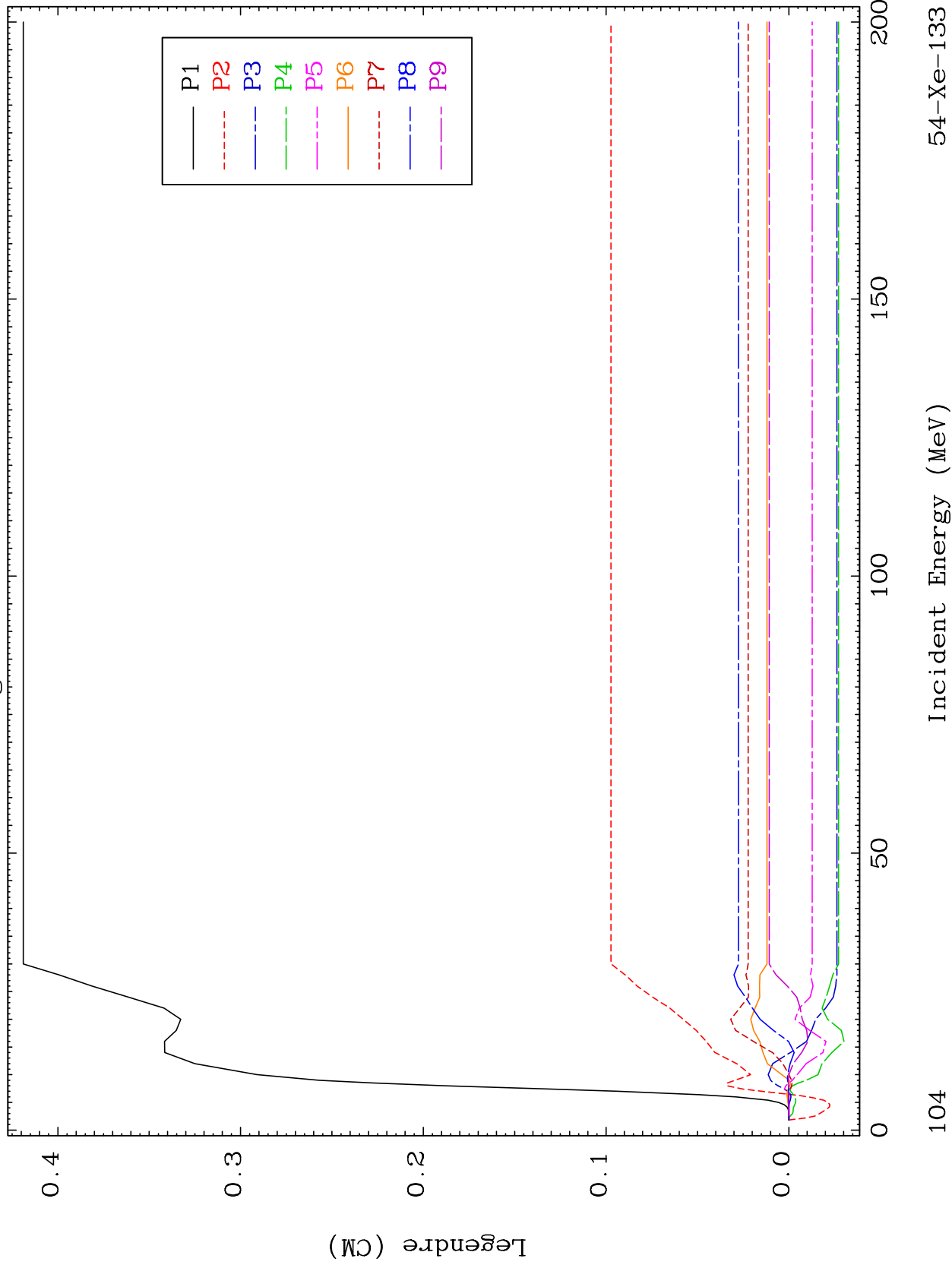
54-Xe-133



MAT 5452

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

54-Xe-133



54-Xe-133

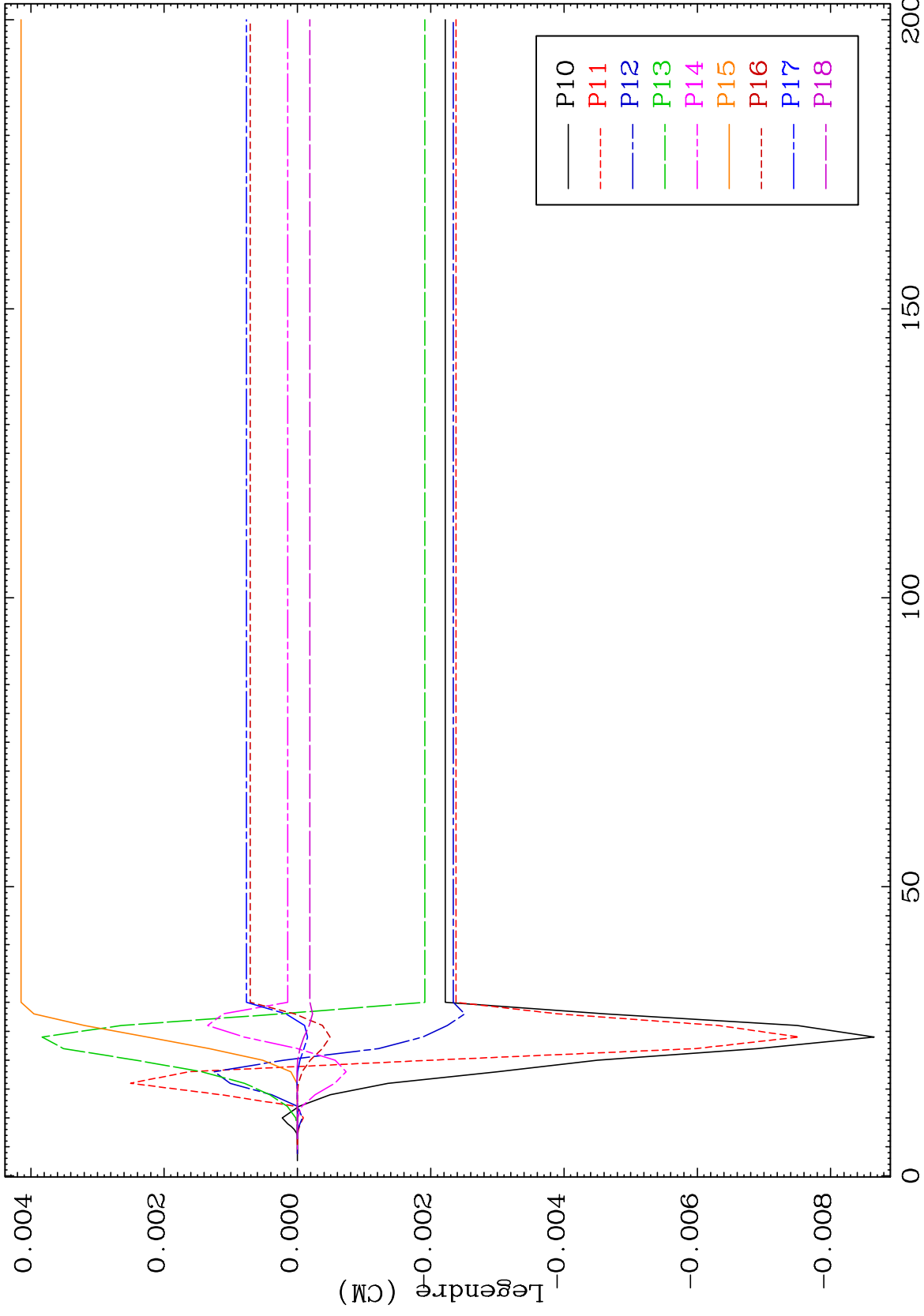
Incident Energy (MeV)

104

MAT 5452

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

54-Xe-133



105

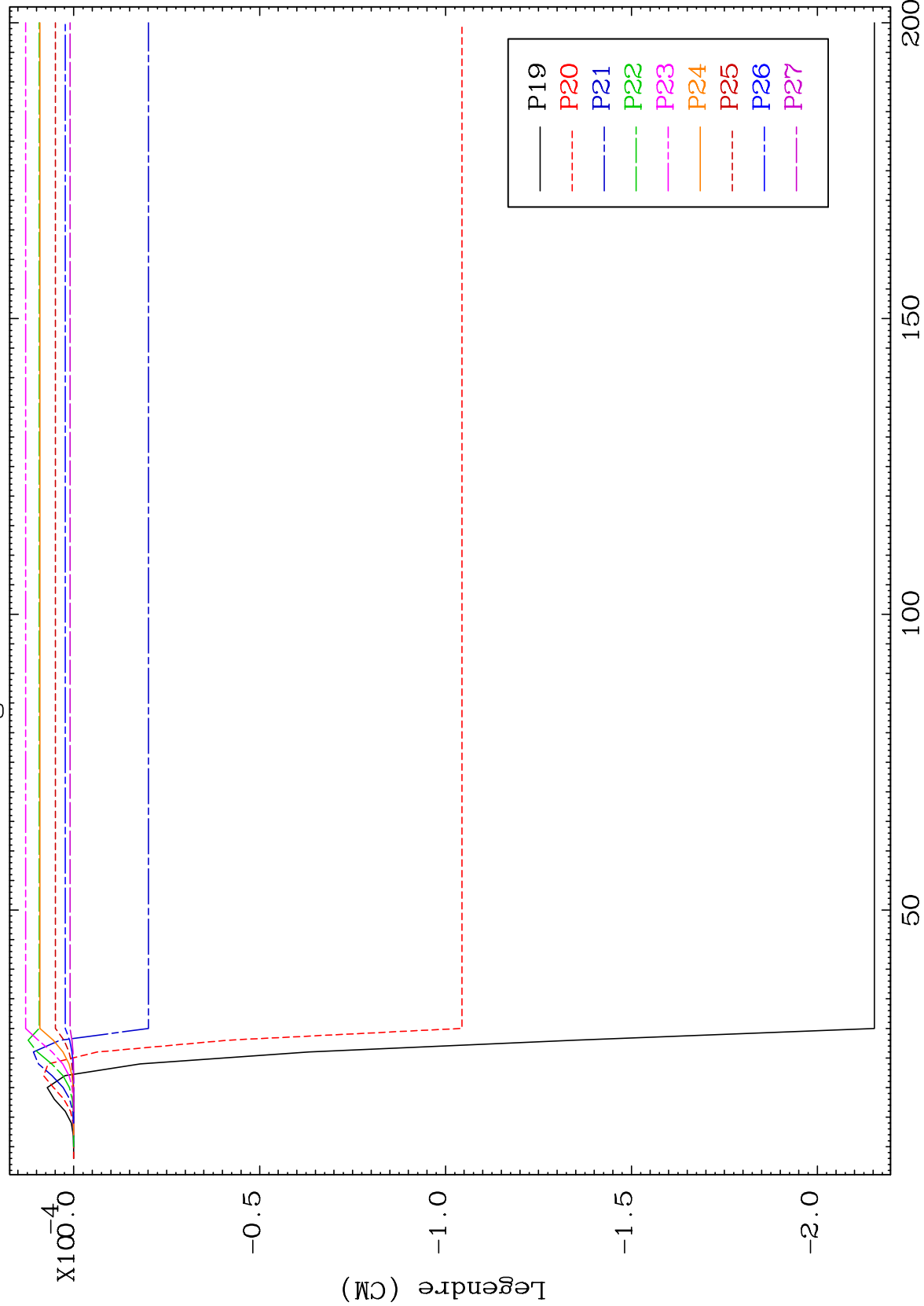
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



106

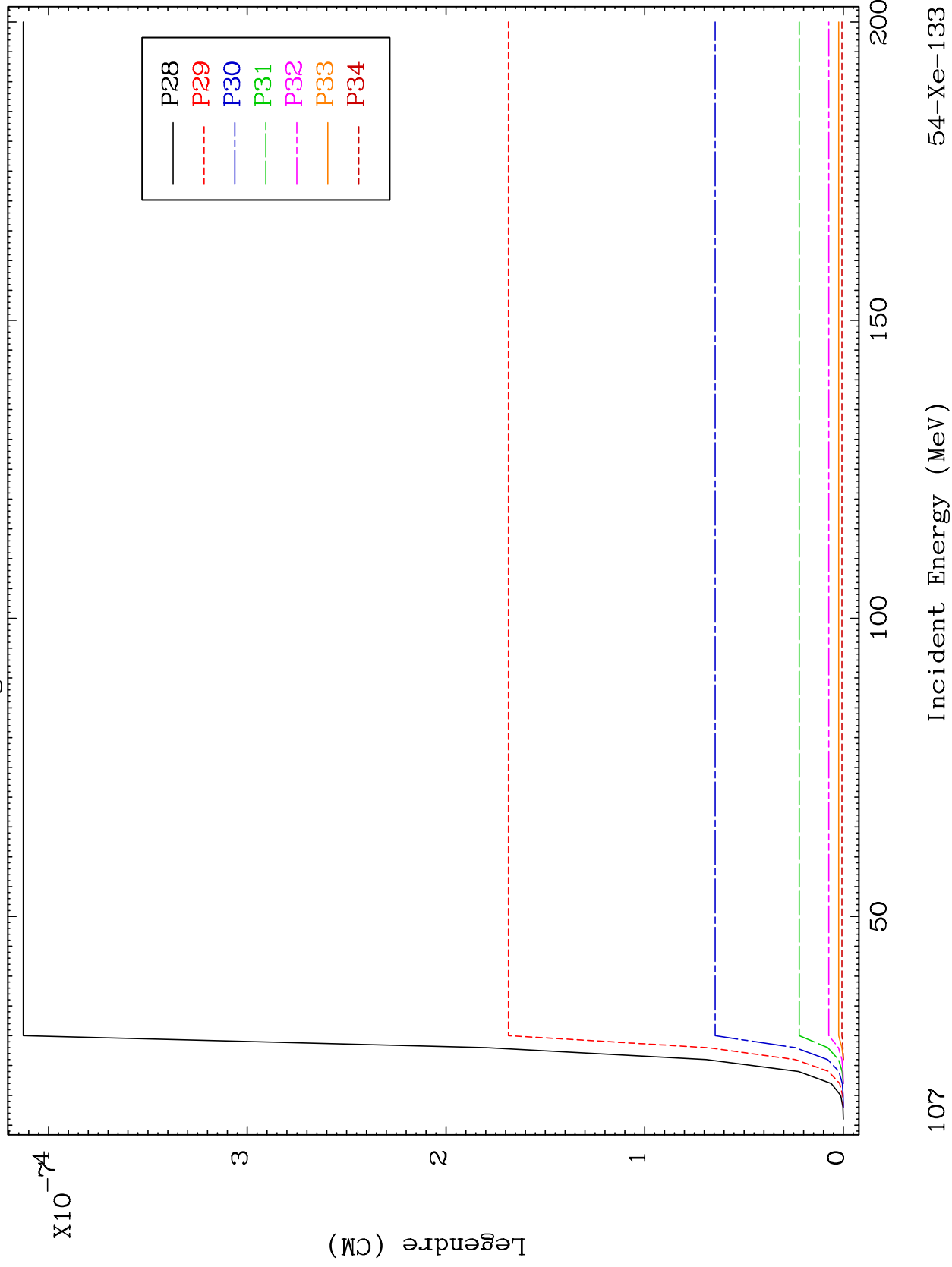
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

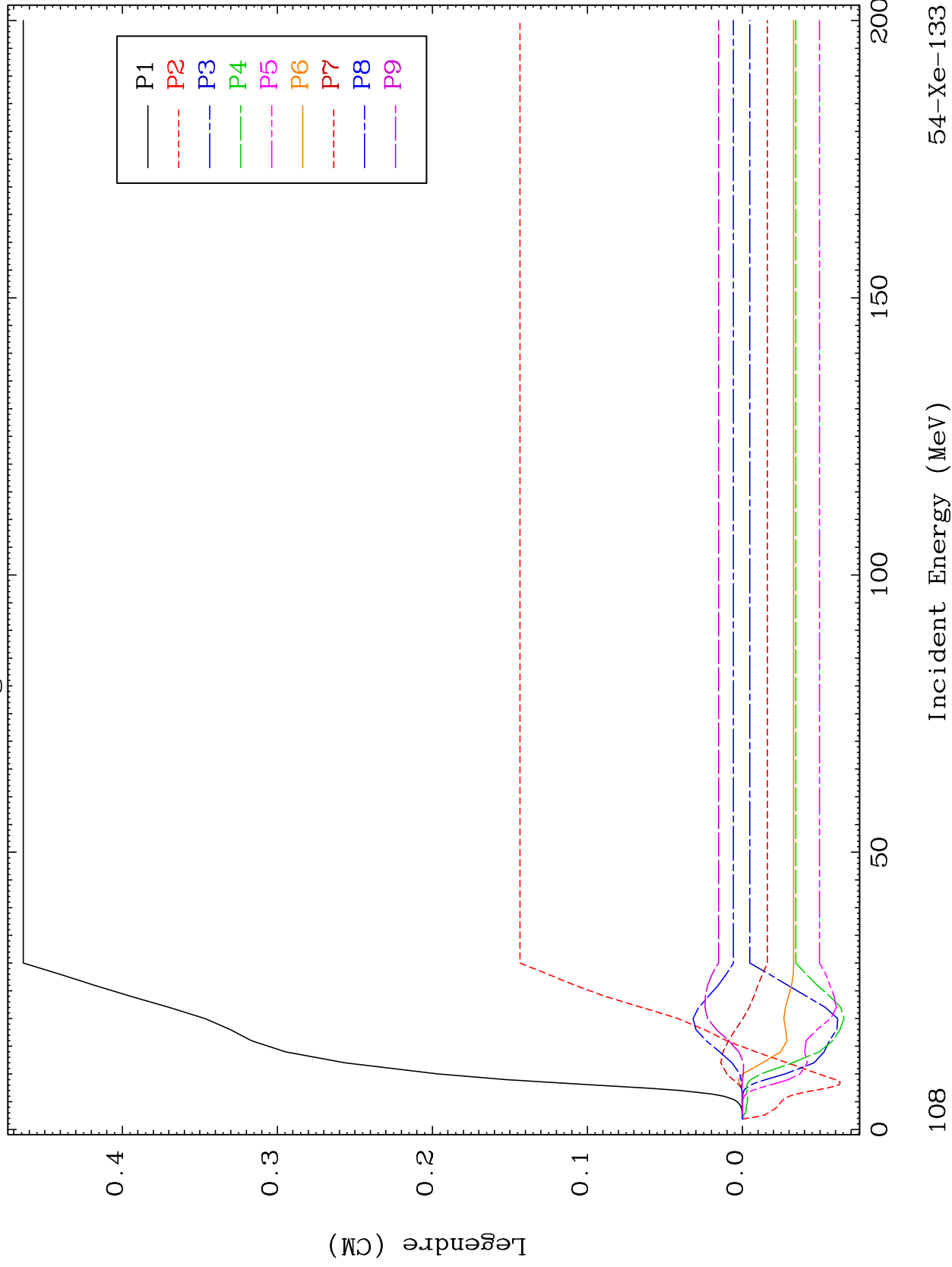
54-Xe-133



MAT 5452

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

54-Xe-133



54-Xe-133

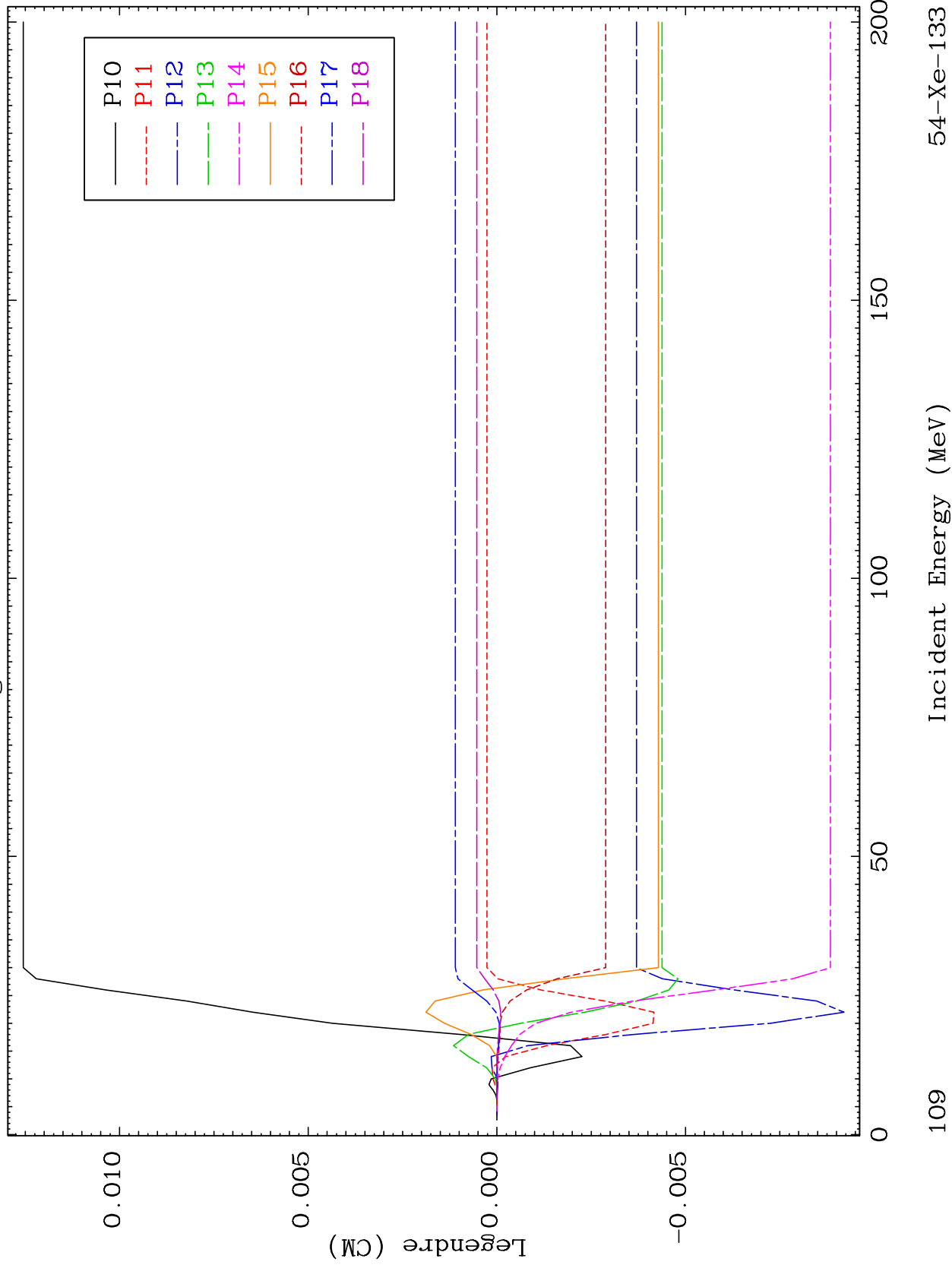
Incident Energy (MeV)

108

MAT 5452

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

54-Xe-133



109

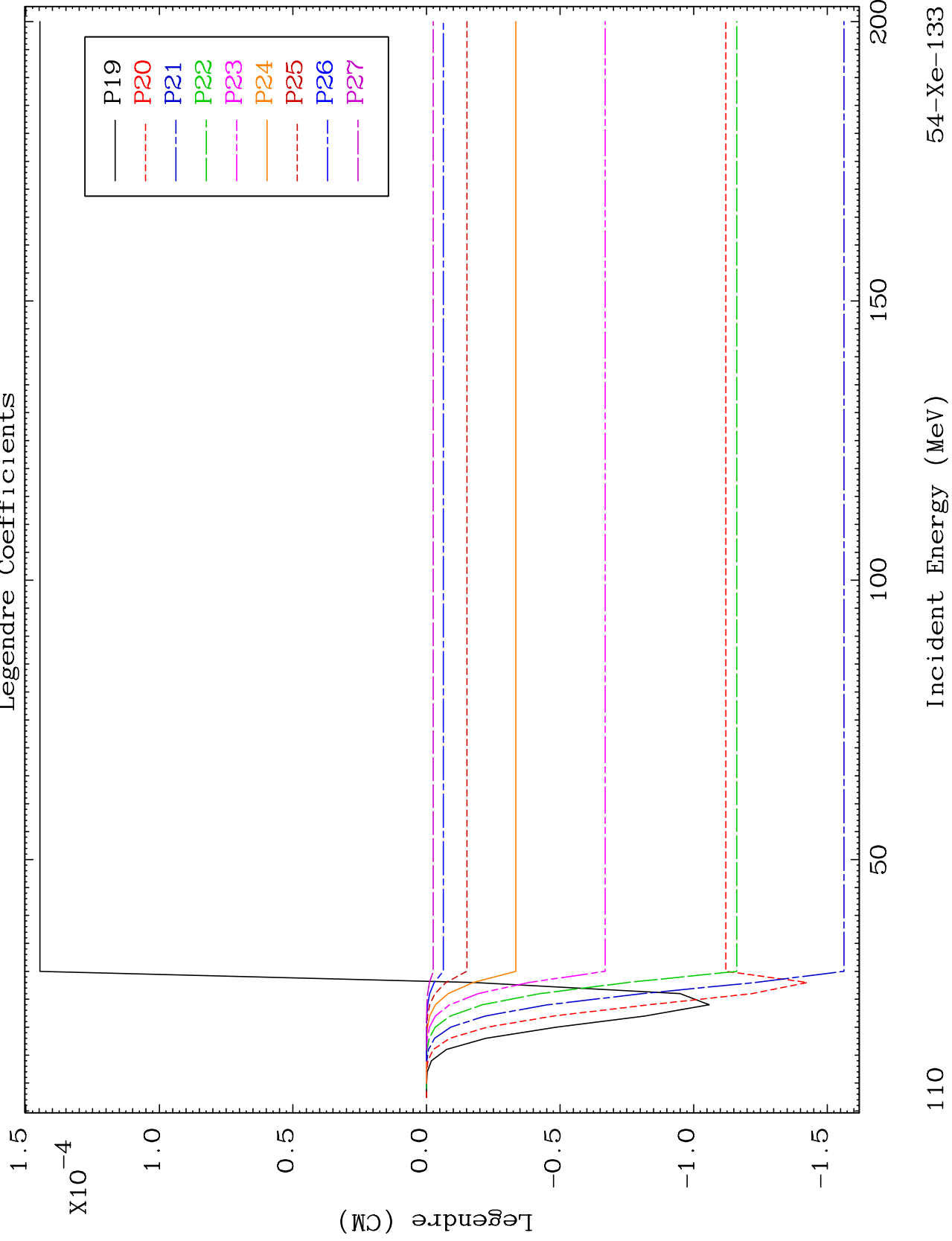
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



110

Incident Energy (MeV)

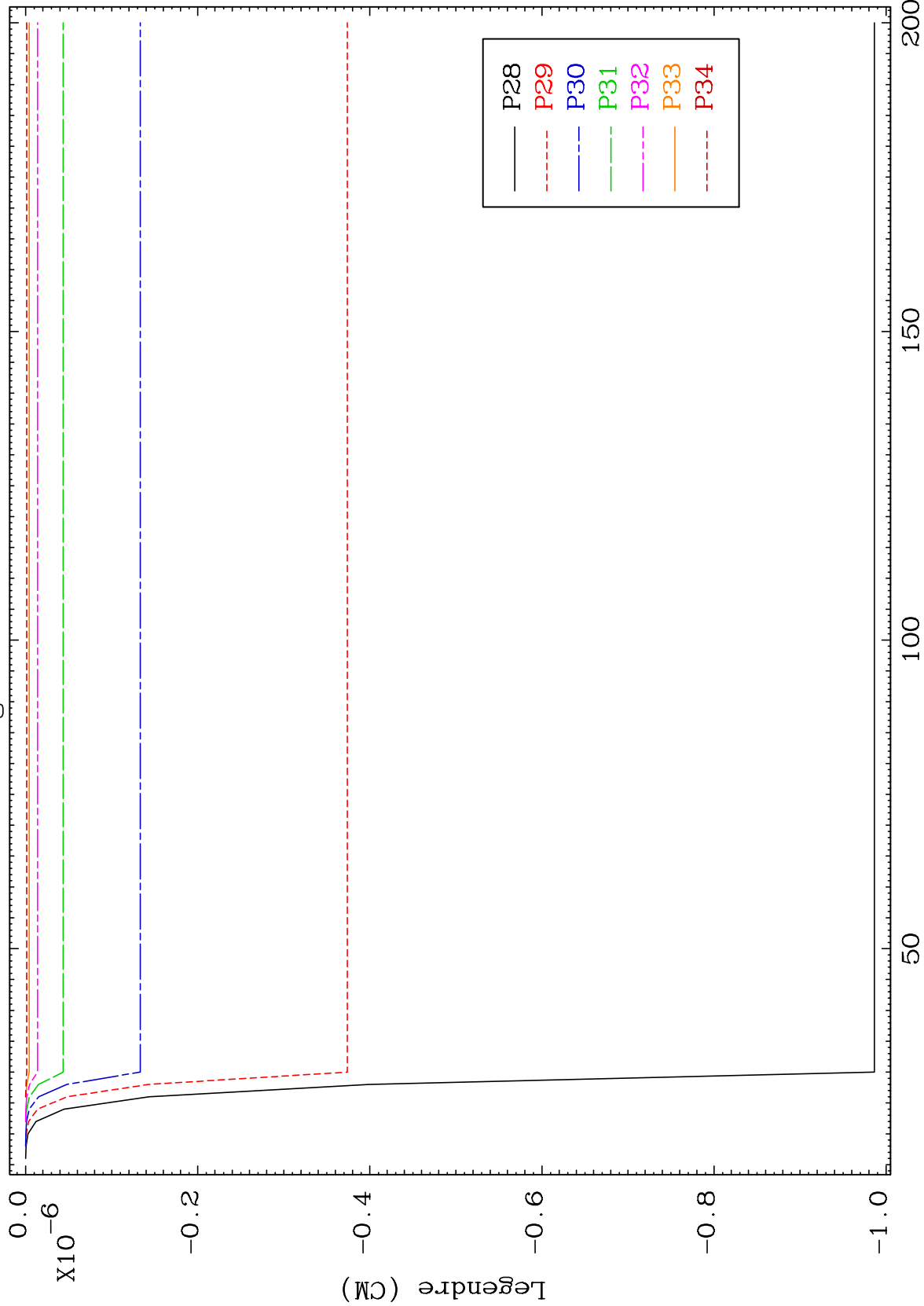
54-Xe-133

MAT 5452

MT= 73 (n,n') Level

54-Xe-133

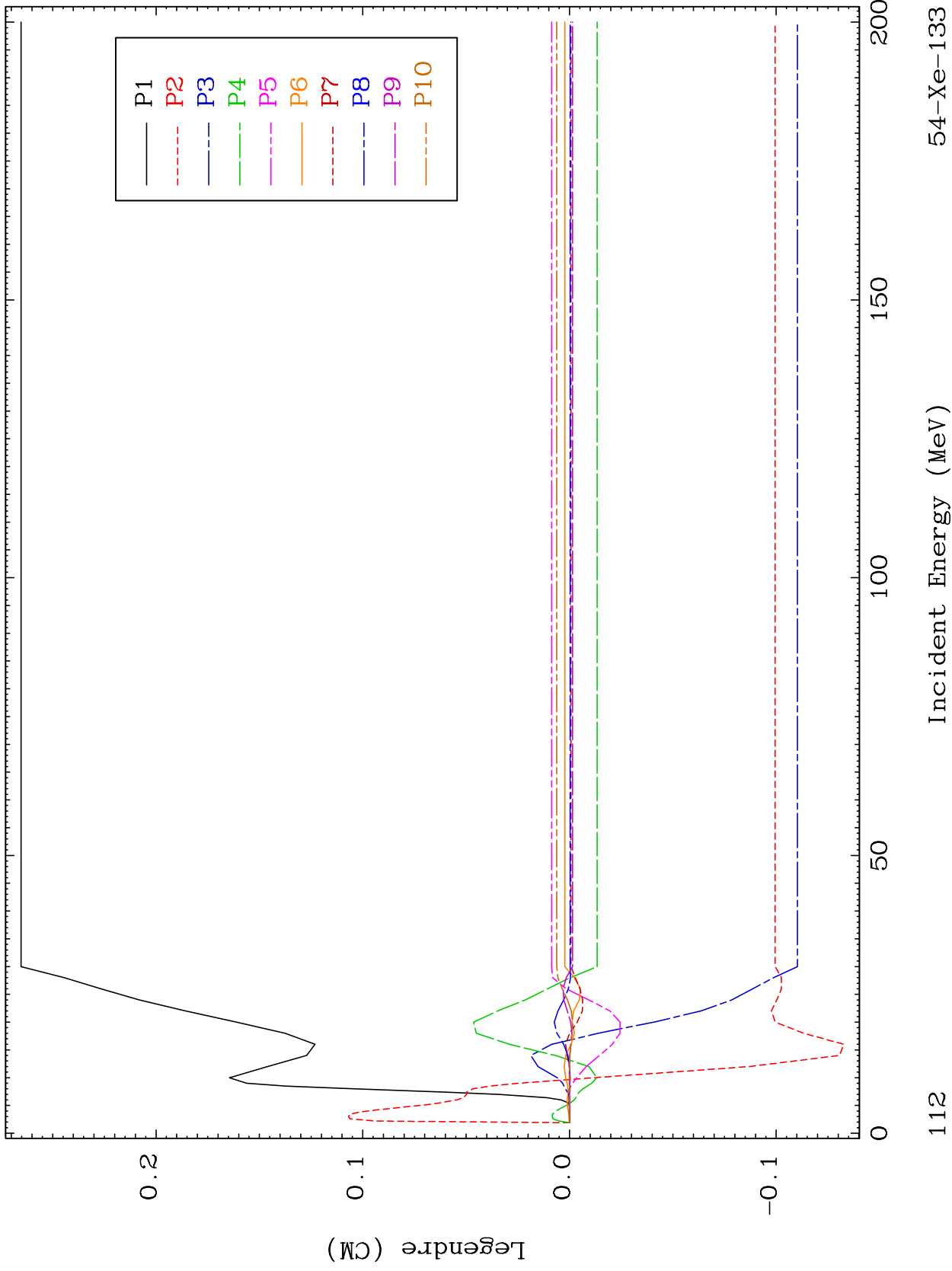
Legendre Coefficients



MAT 5452

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

54-Xe-133



54-Xe-133

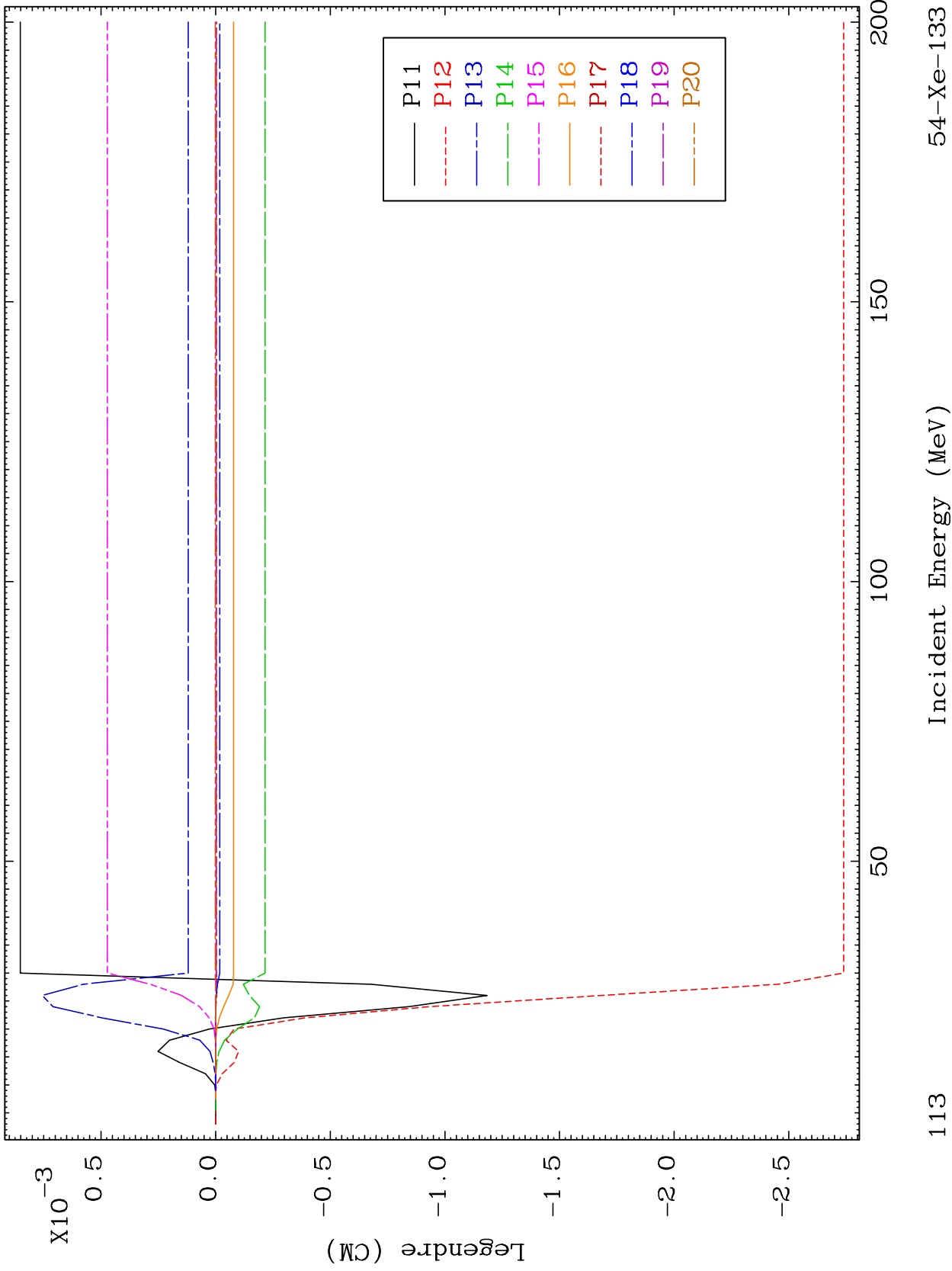
Incident Energy (MeV)

112

MAT 5452

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

54-Xe-133



113

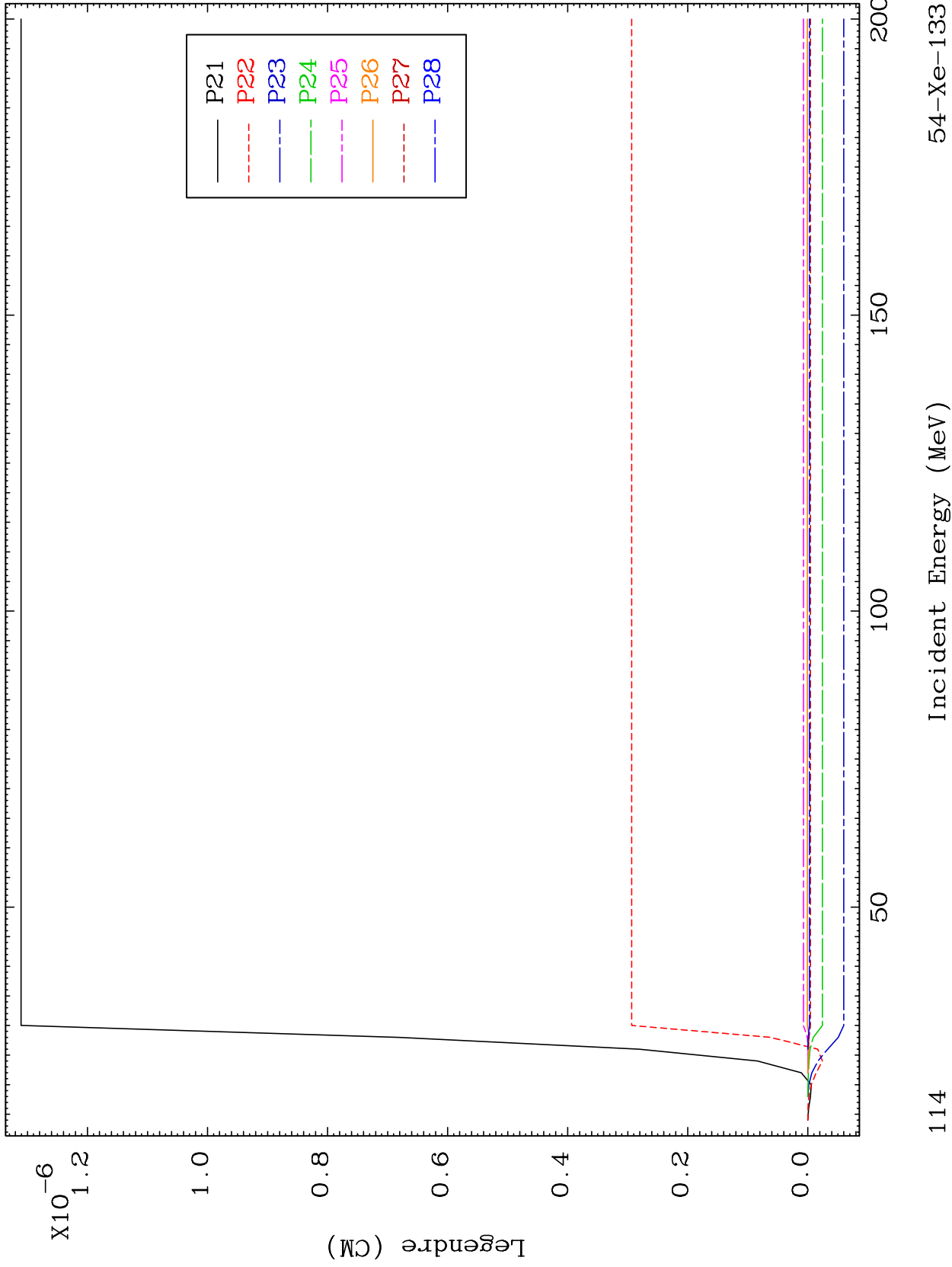
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133

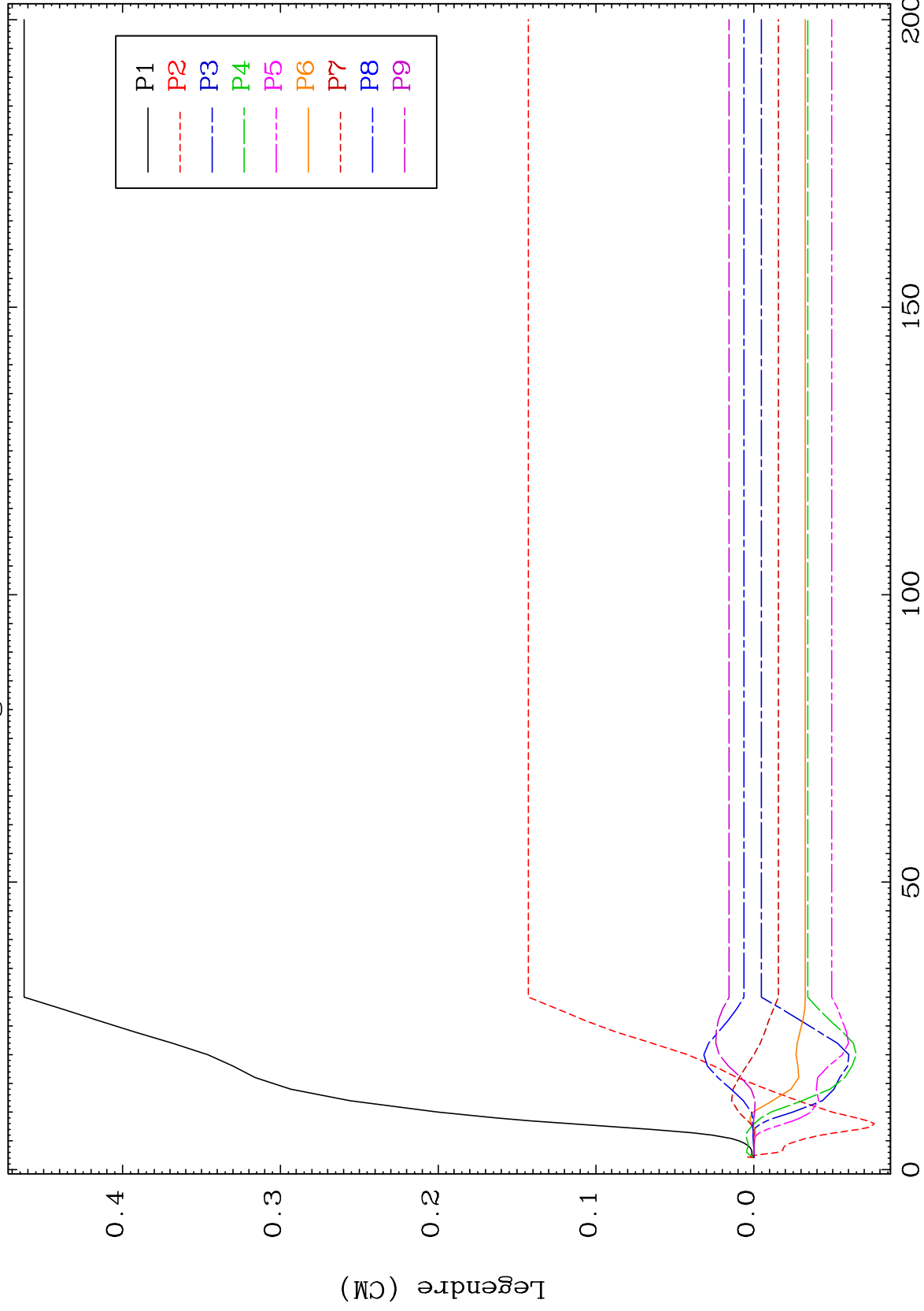


114

MAT 5452

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

54-Xe-133



54-Xe-133

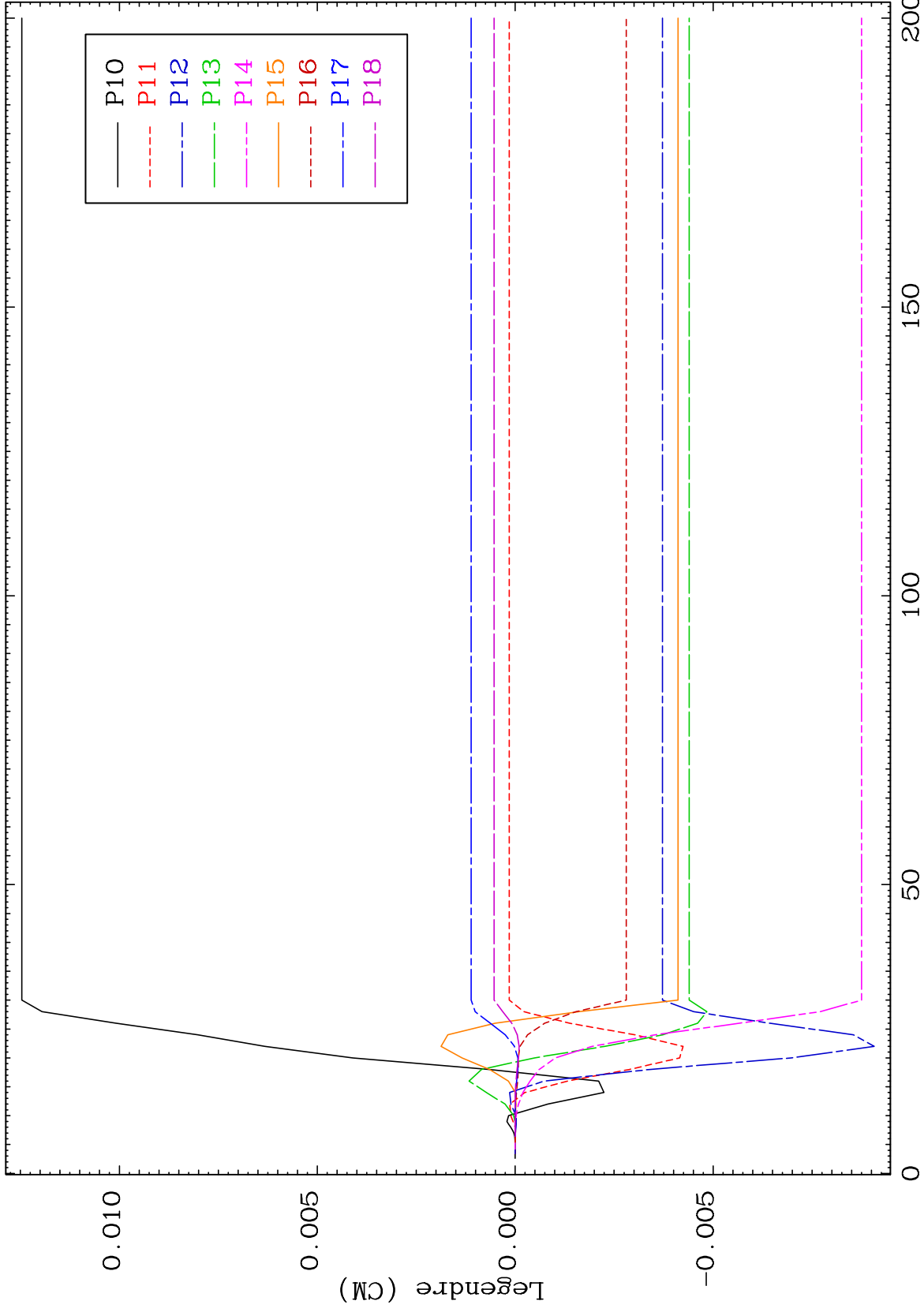
Incident Energy (MeV)

115

MAT 5452

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

54-Xe-133



116

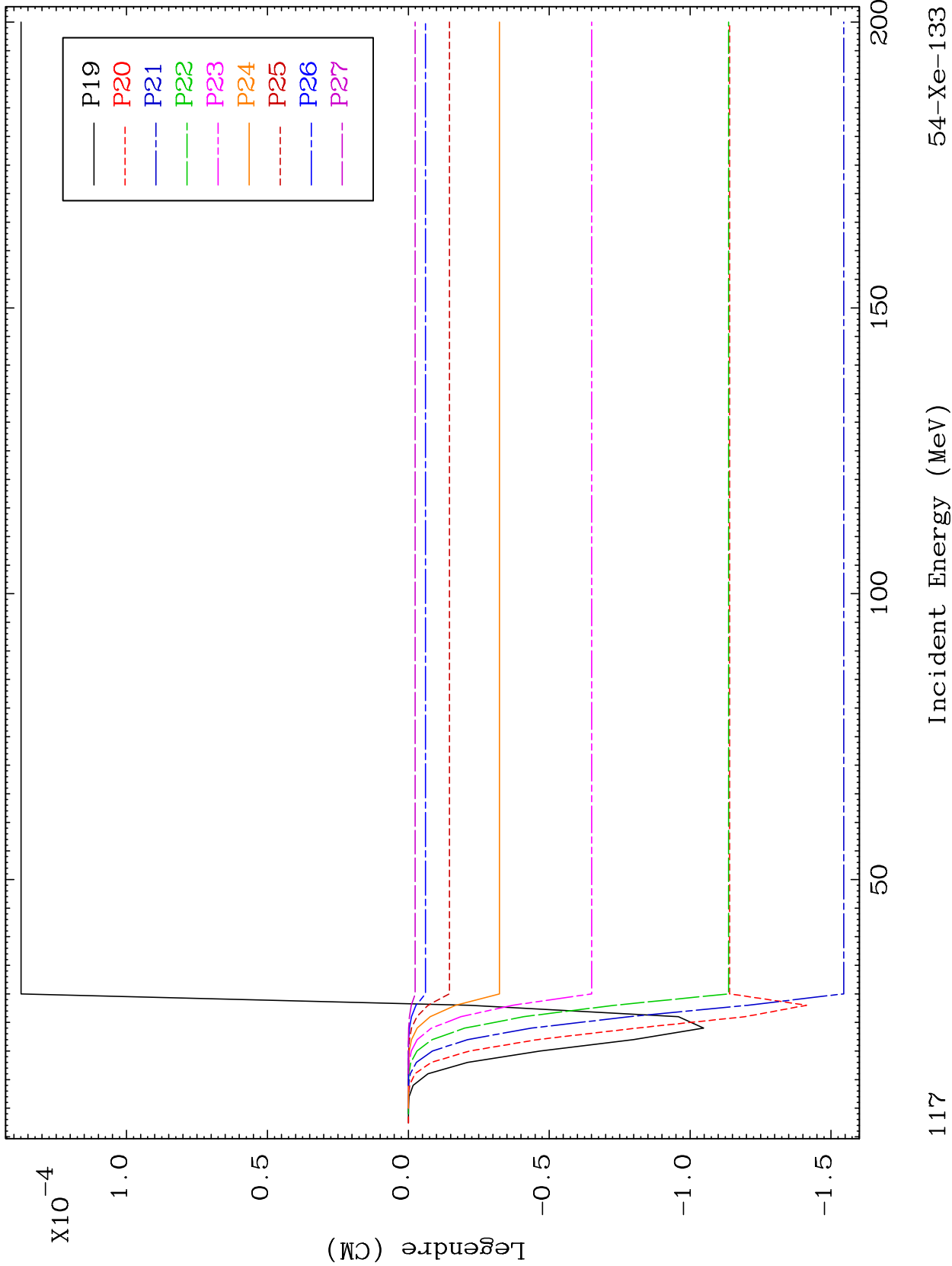
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



117

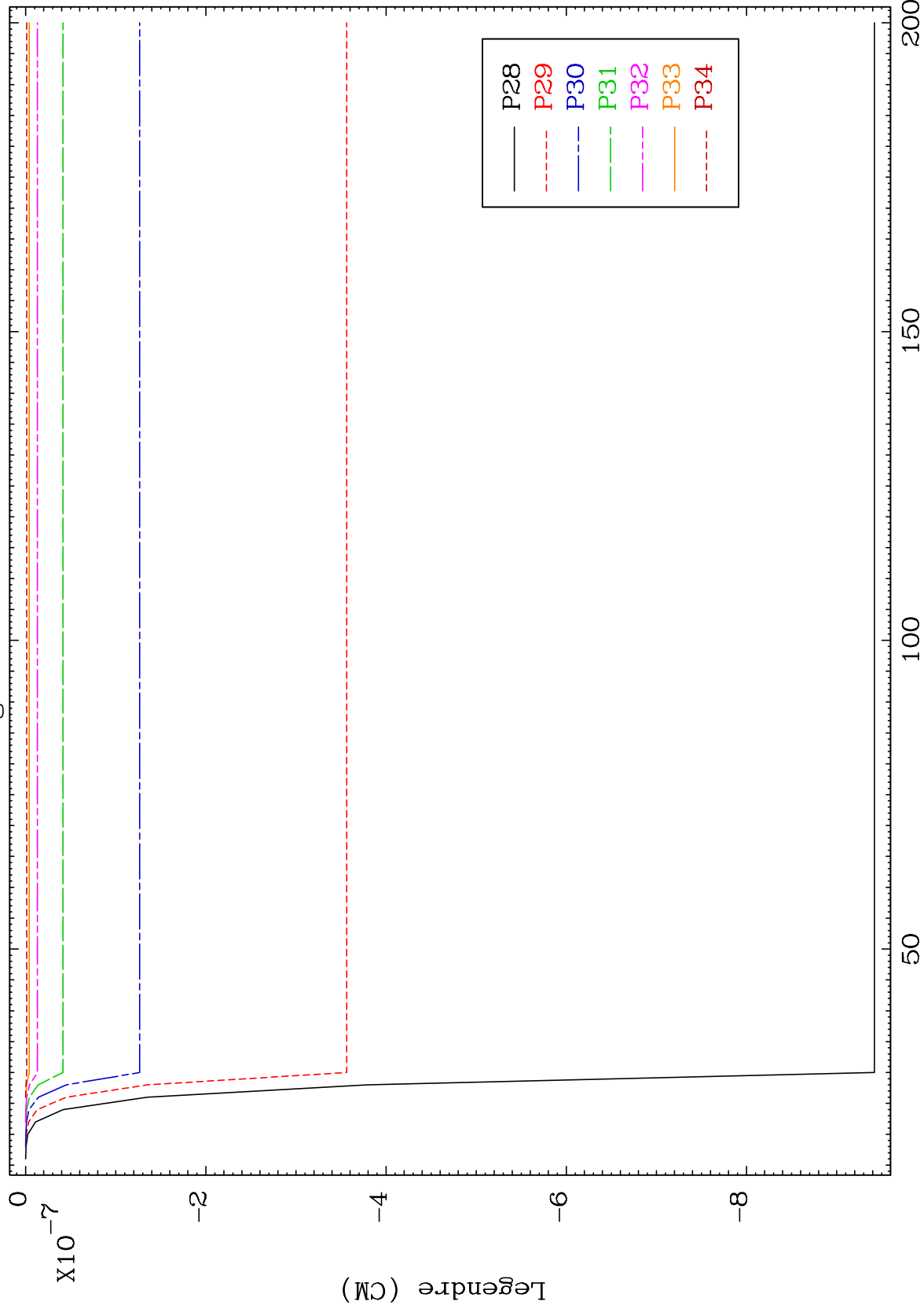
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



118

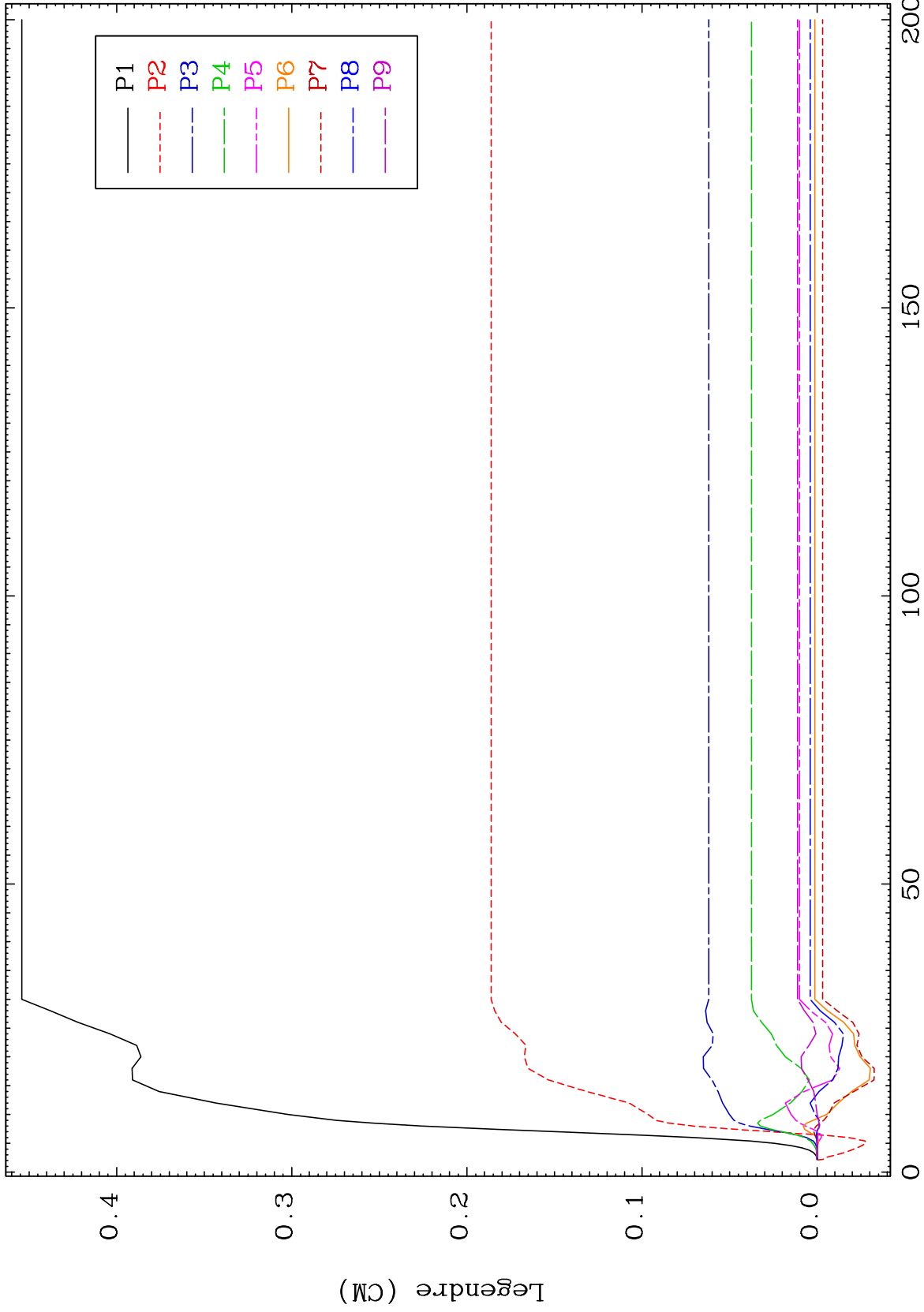
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133



119

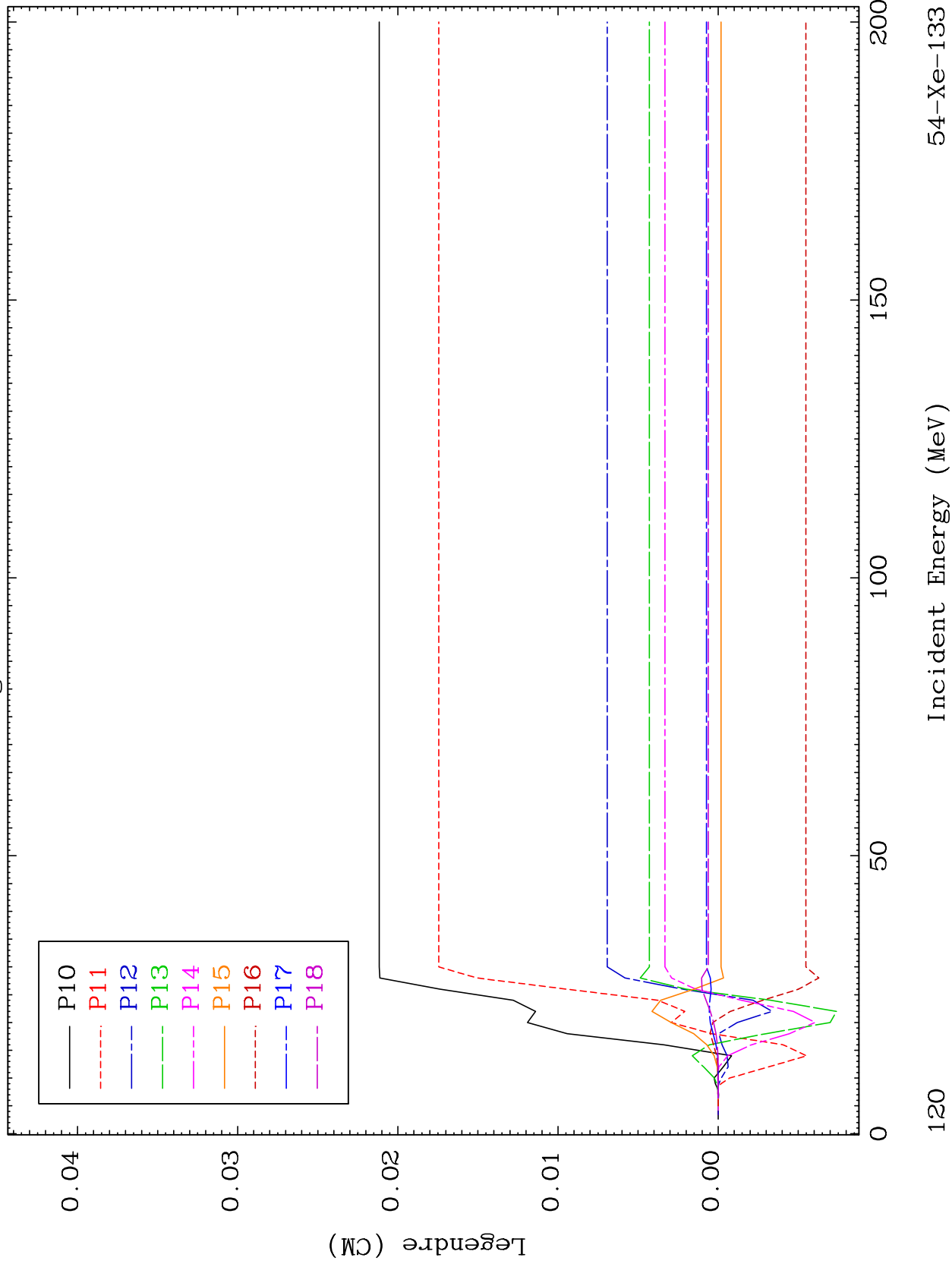
Incident Energy (MeV)

54-Xe-133

MAT 5452

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

54-Xe-133

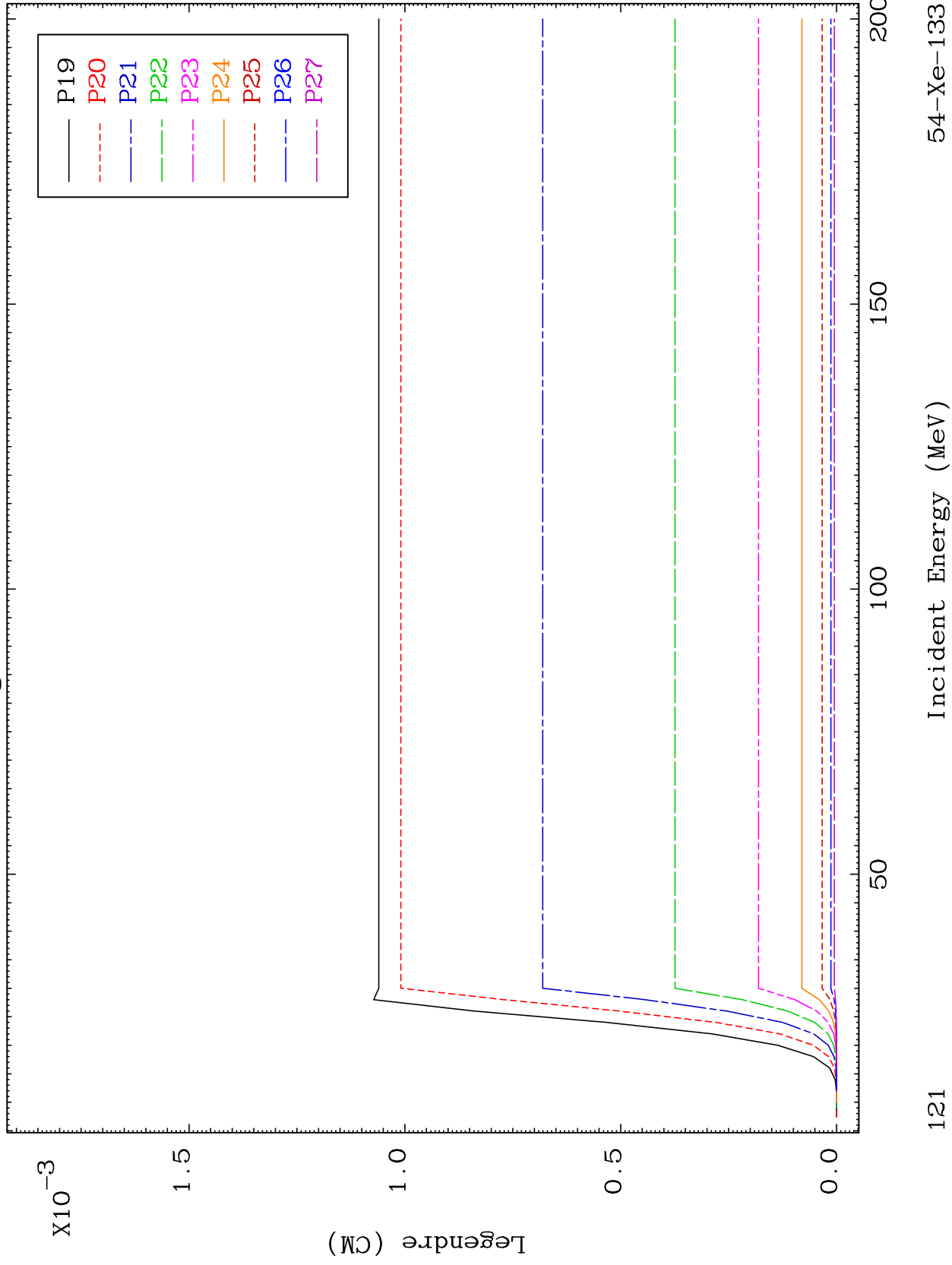


54-Xe-133

MAT 5452

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

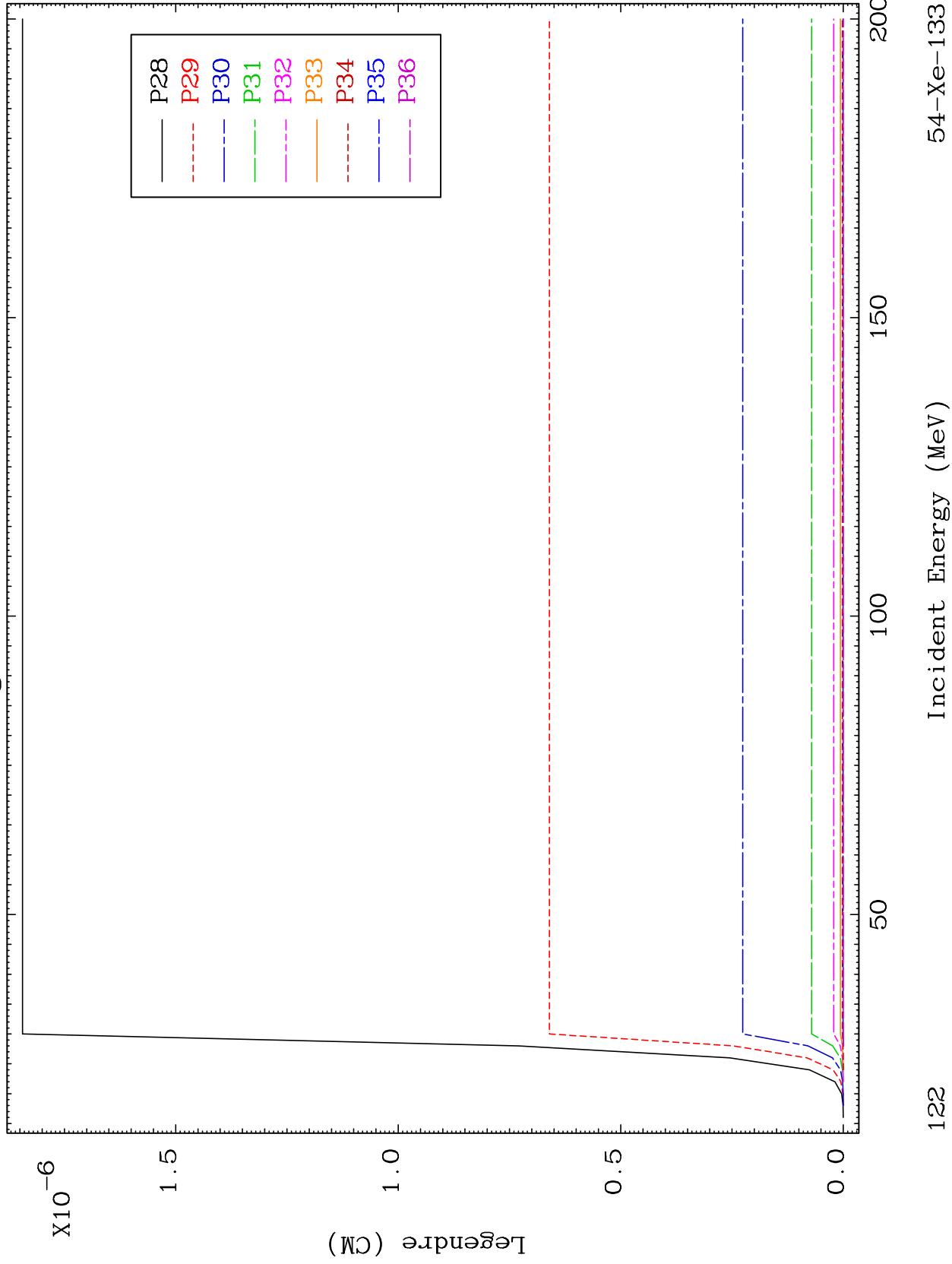
54-Xe-133



MAT 5452

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

54-Xe-133

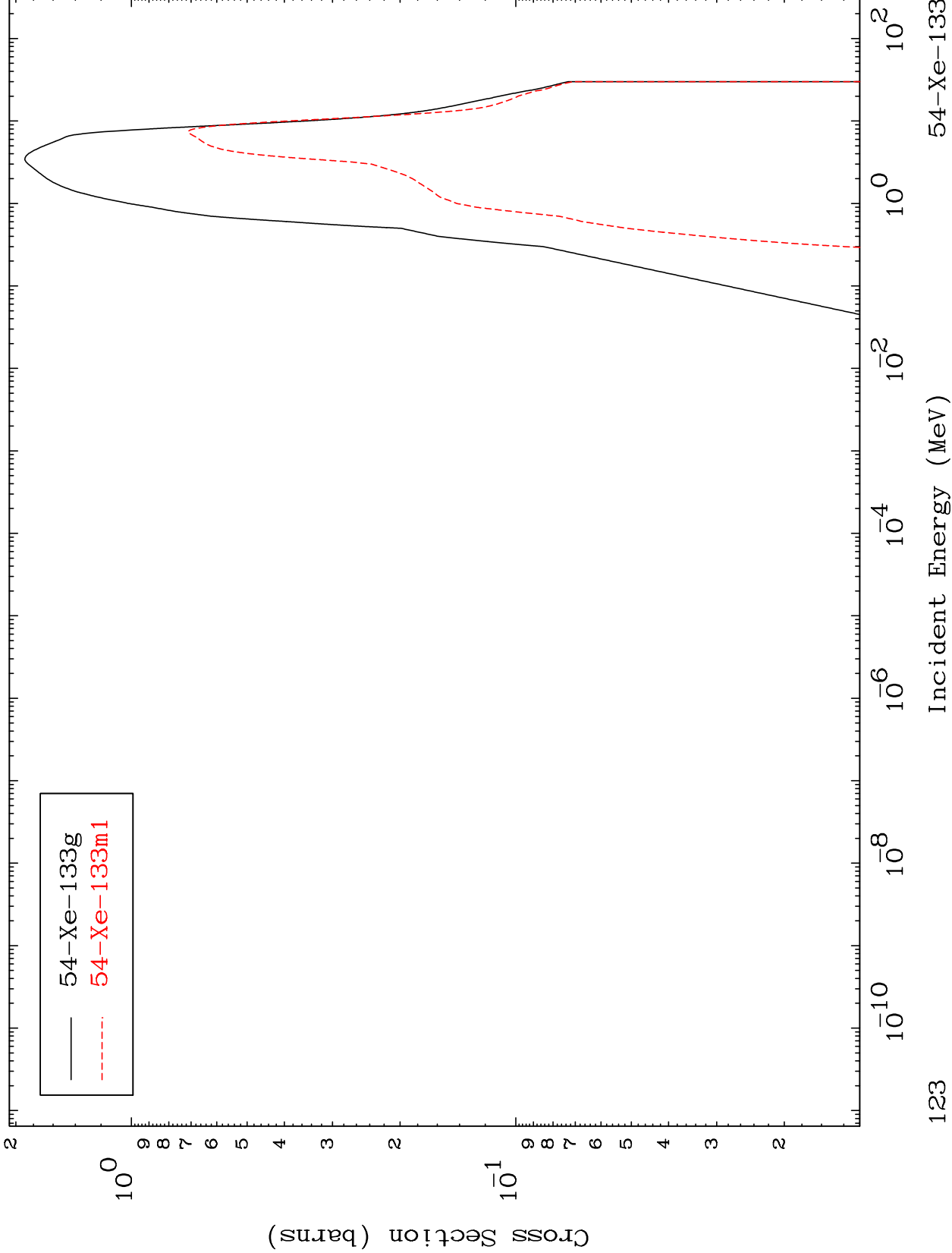


122

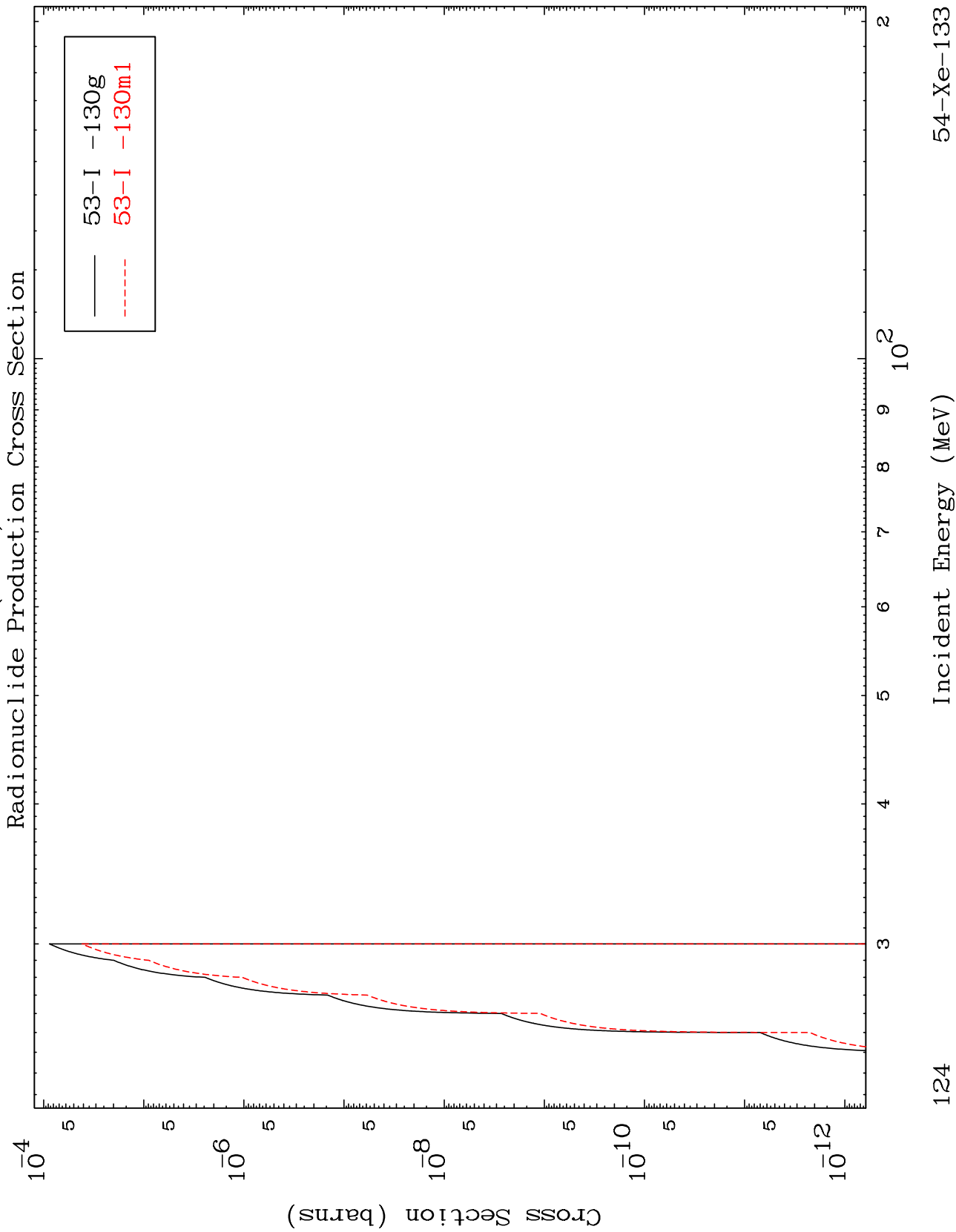
MAT 5452

Radionuclide Production Cross Section

54-Xe-133



54-Xe-133g  
54-Xe-133m1

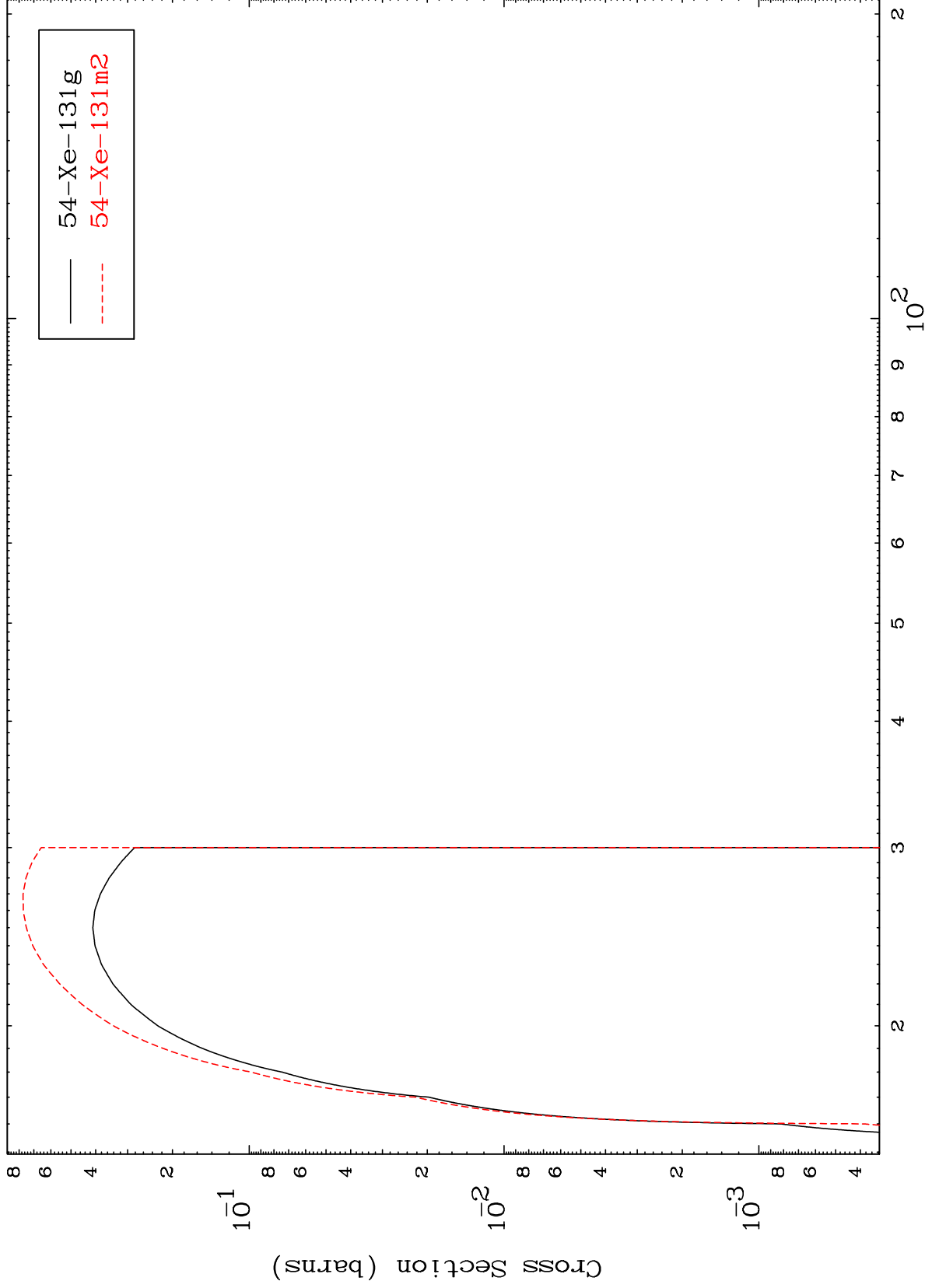


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(n,3n)

54-Xe-133

Radionuclide Production Cross Section



54-Xe-131g  
54-Xe-131m2

125

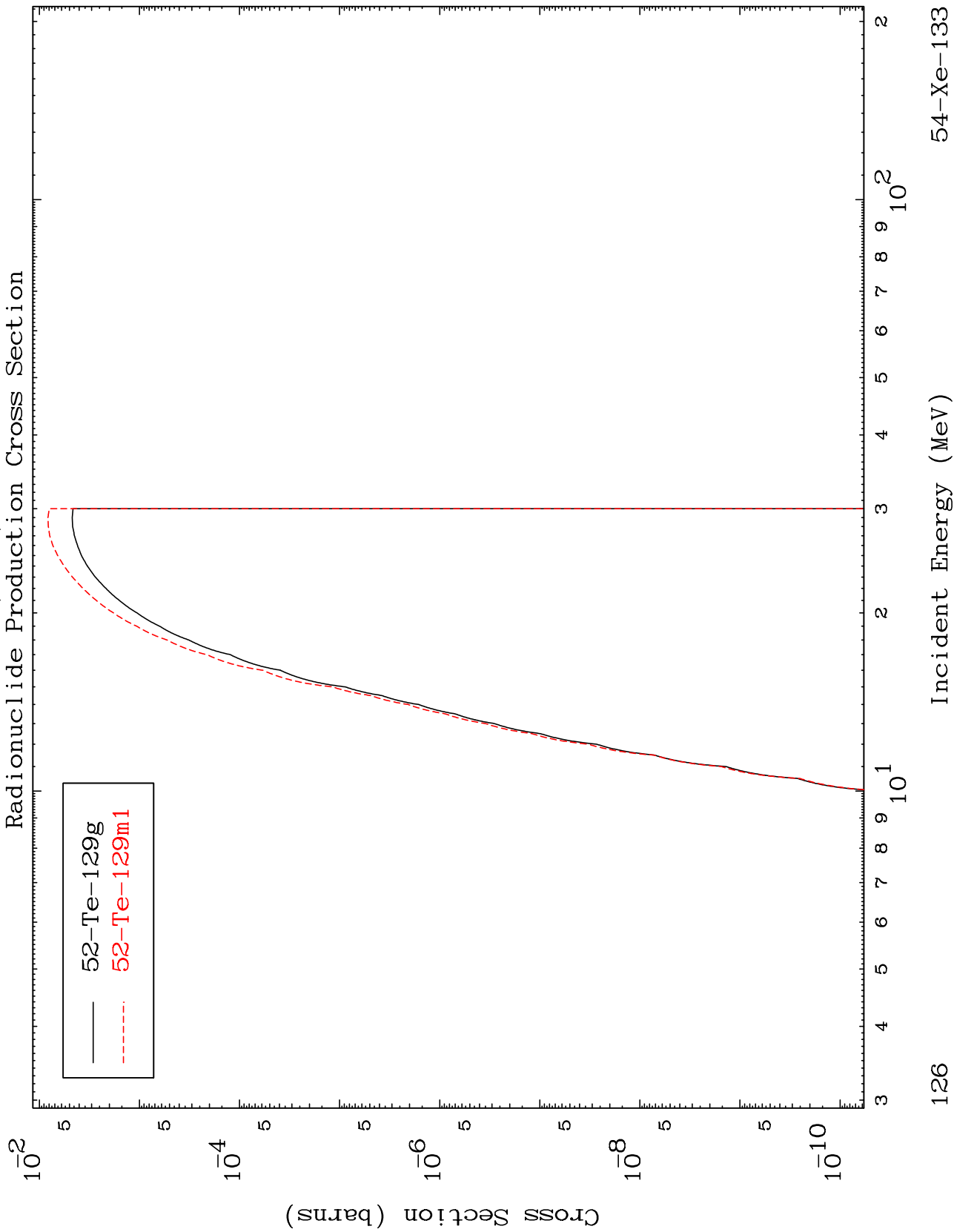
Incident Energy (MeV)

54-Xe-133

MAT 5452

54-Xe-133

(n,n')  $\alpha$



54-Xe-133

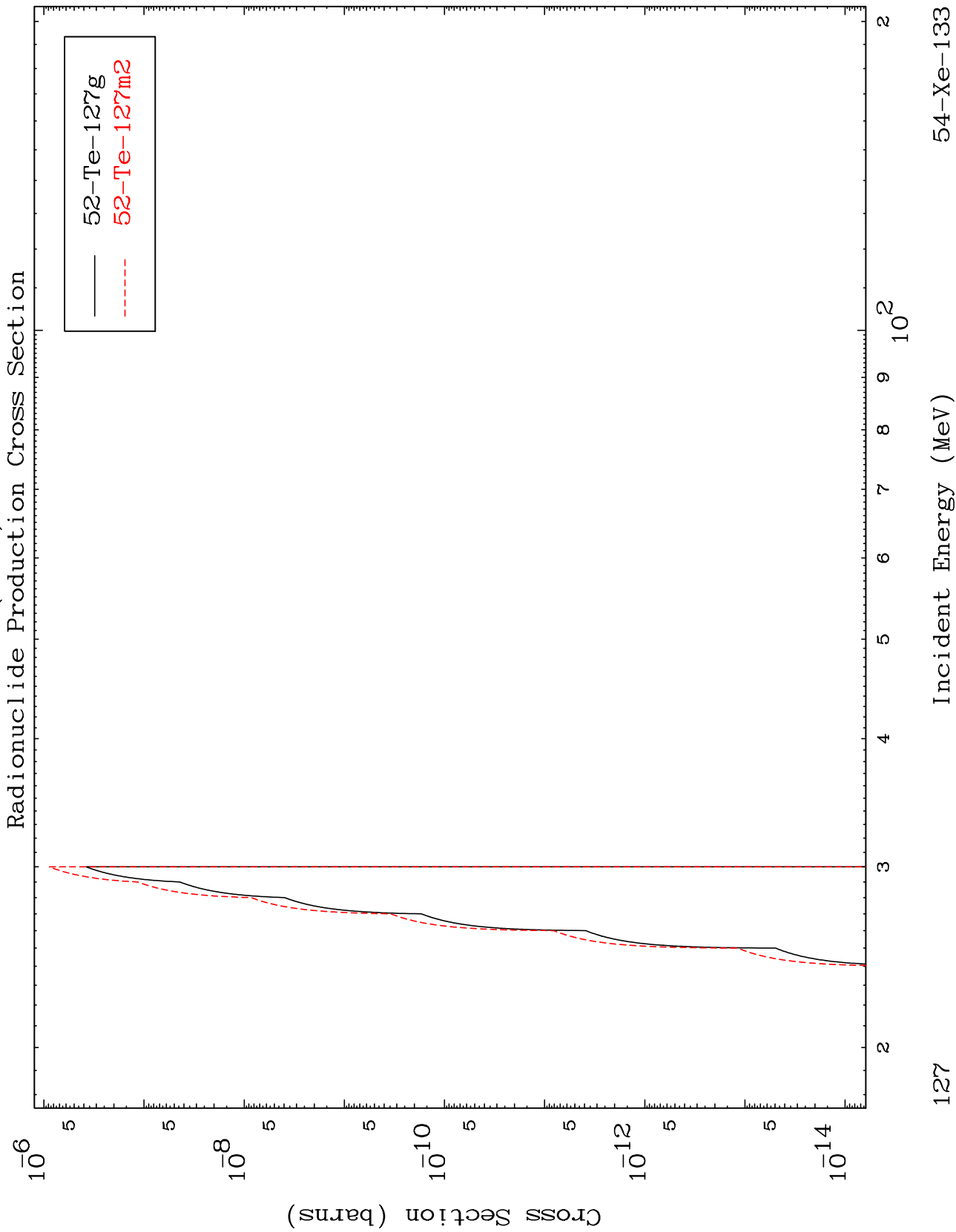
Incident Energy (MeV)

126

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(n,3n)  $\alpha$

54-Xe-133



127

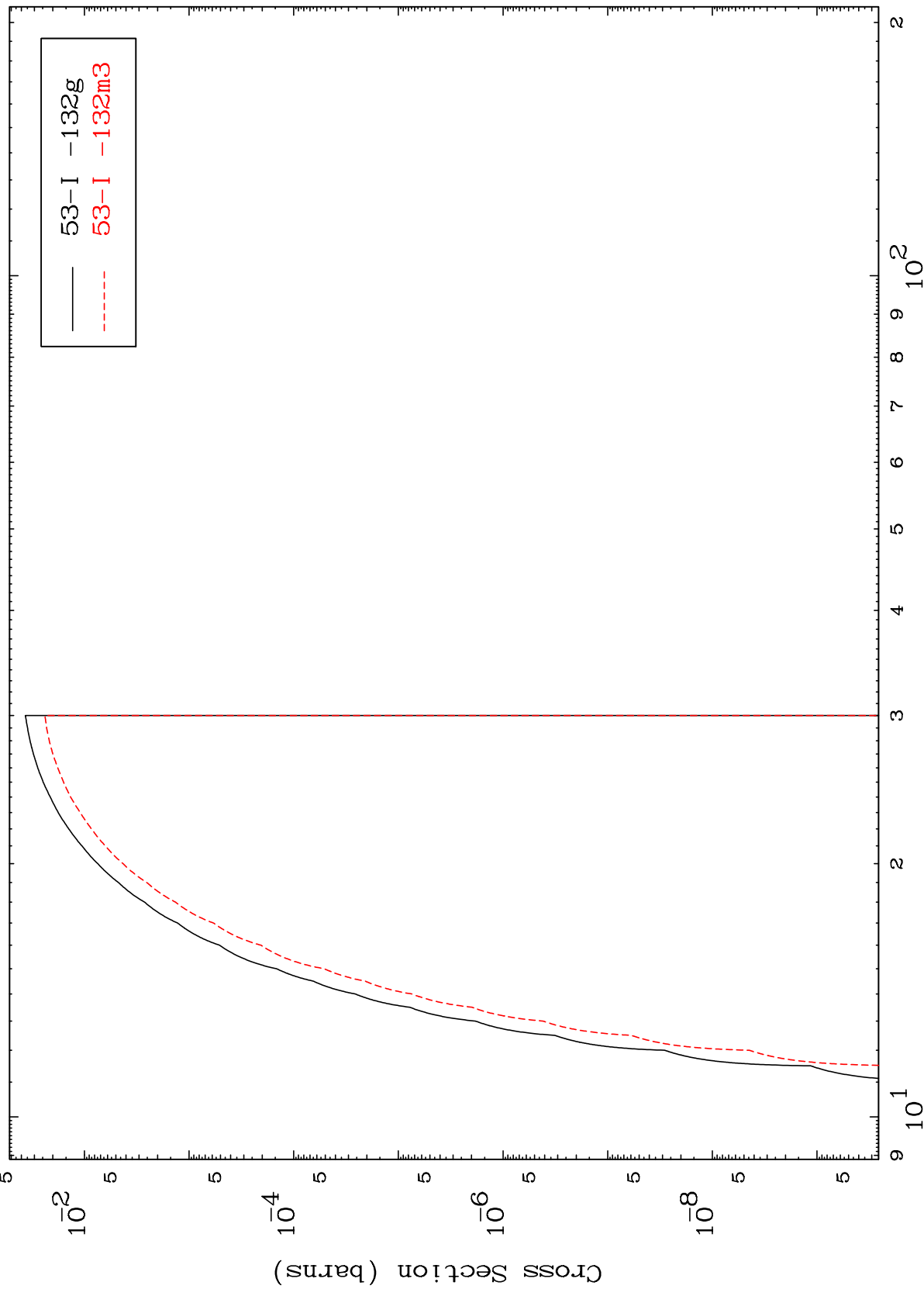
54-Xe-133

MAT 5452

(n,n') p

54-Xe-133

Radionuclide Production Cross Section



128

Incident Energy (MeV)

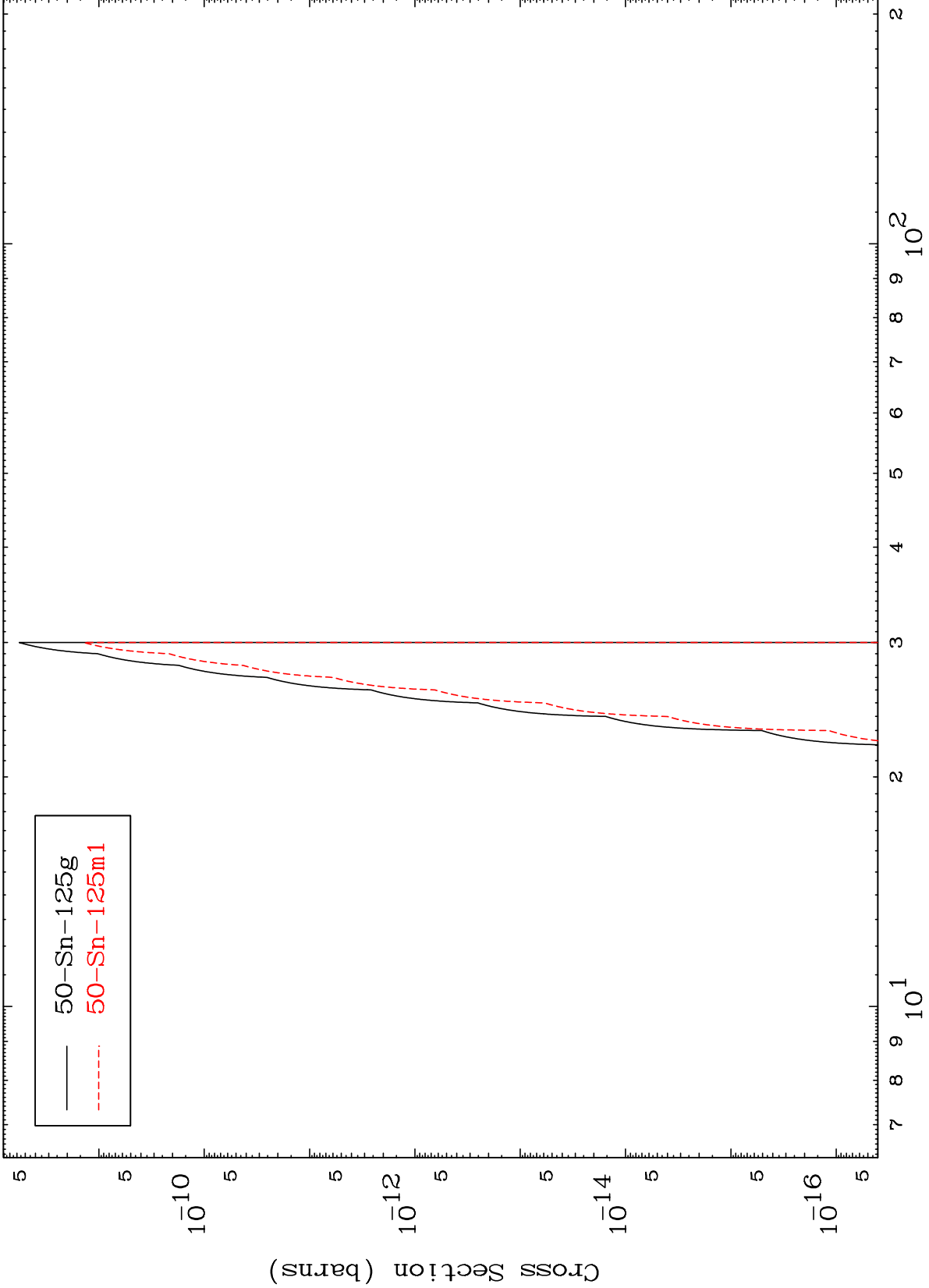
54-Xe-133

MAT 5452

(n,n') 2α

54-Xe-133

Radionuclide Production Cross Section



50-Sn-125g  
50-Sn-125m1

129

Incident Energy (MeV)

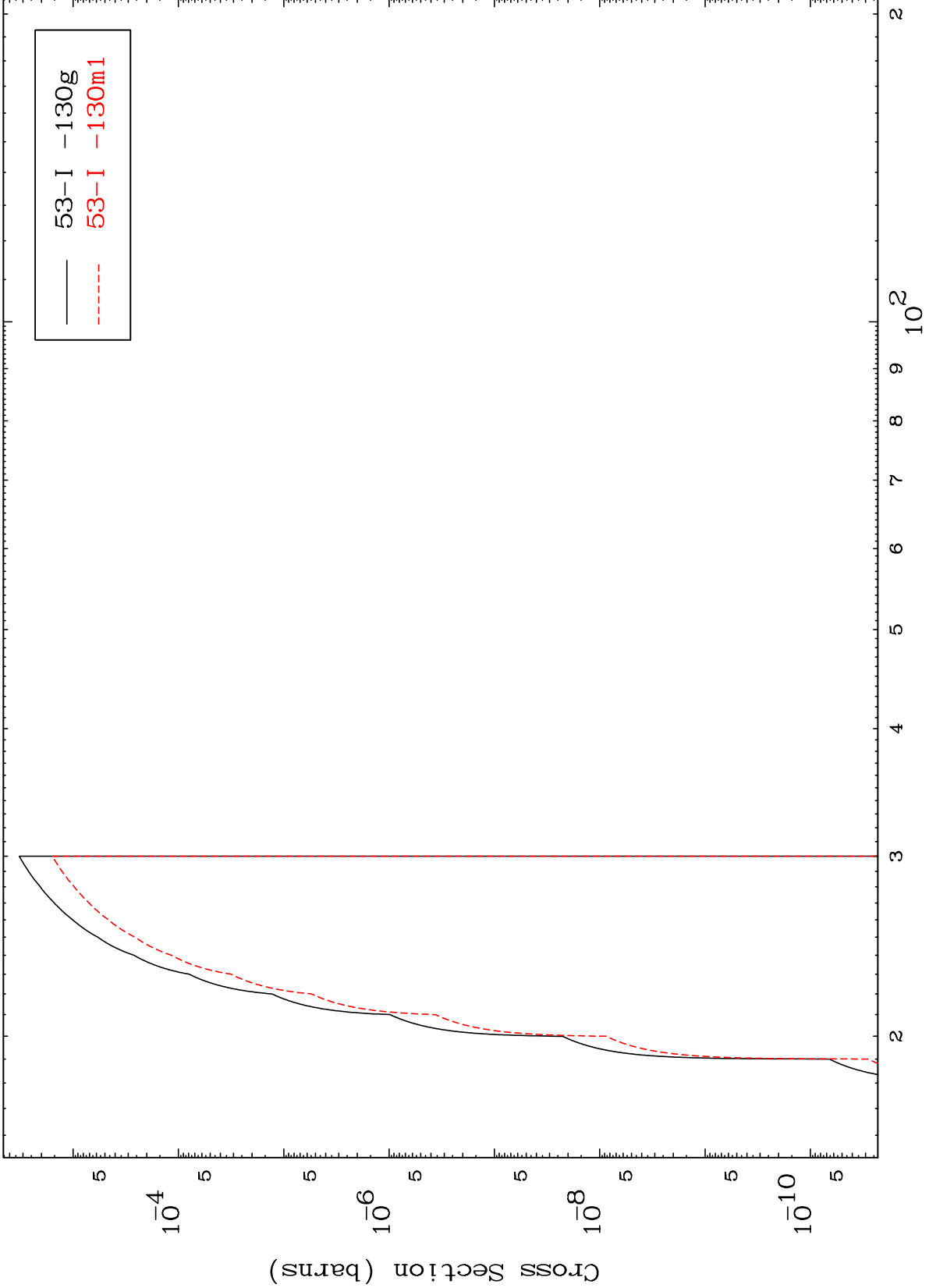
54-Xe-133

MAT 5452

(n,n') t

54-Xe-133

Radionuclide Production Cross Section



130

Incident Energy (MeV)

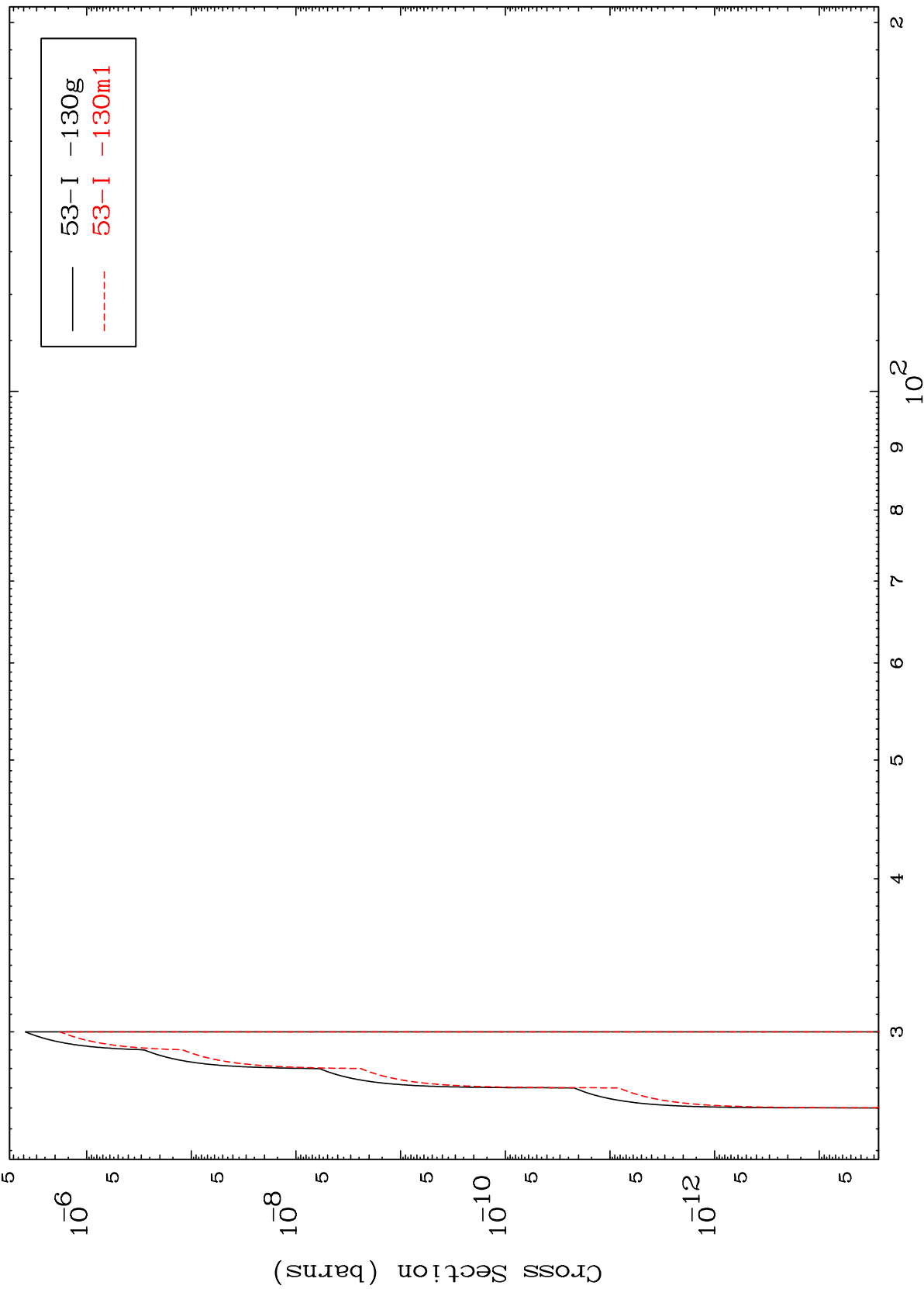
54-Xe-133

MAT 5452

(n,3n) p

54-Xe-133

Radionuclide Production Cross Section

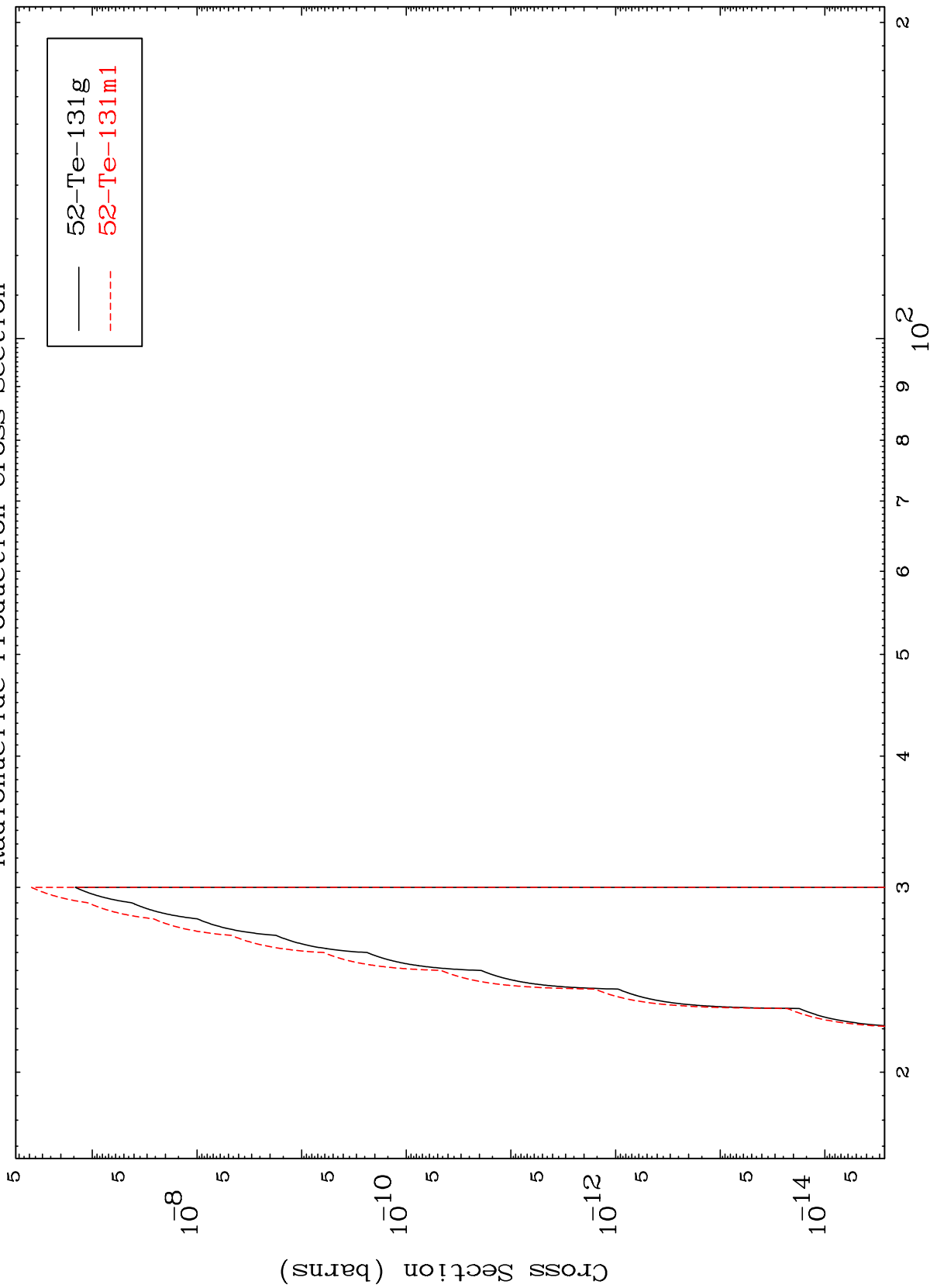


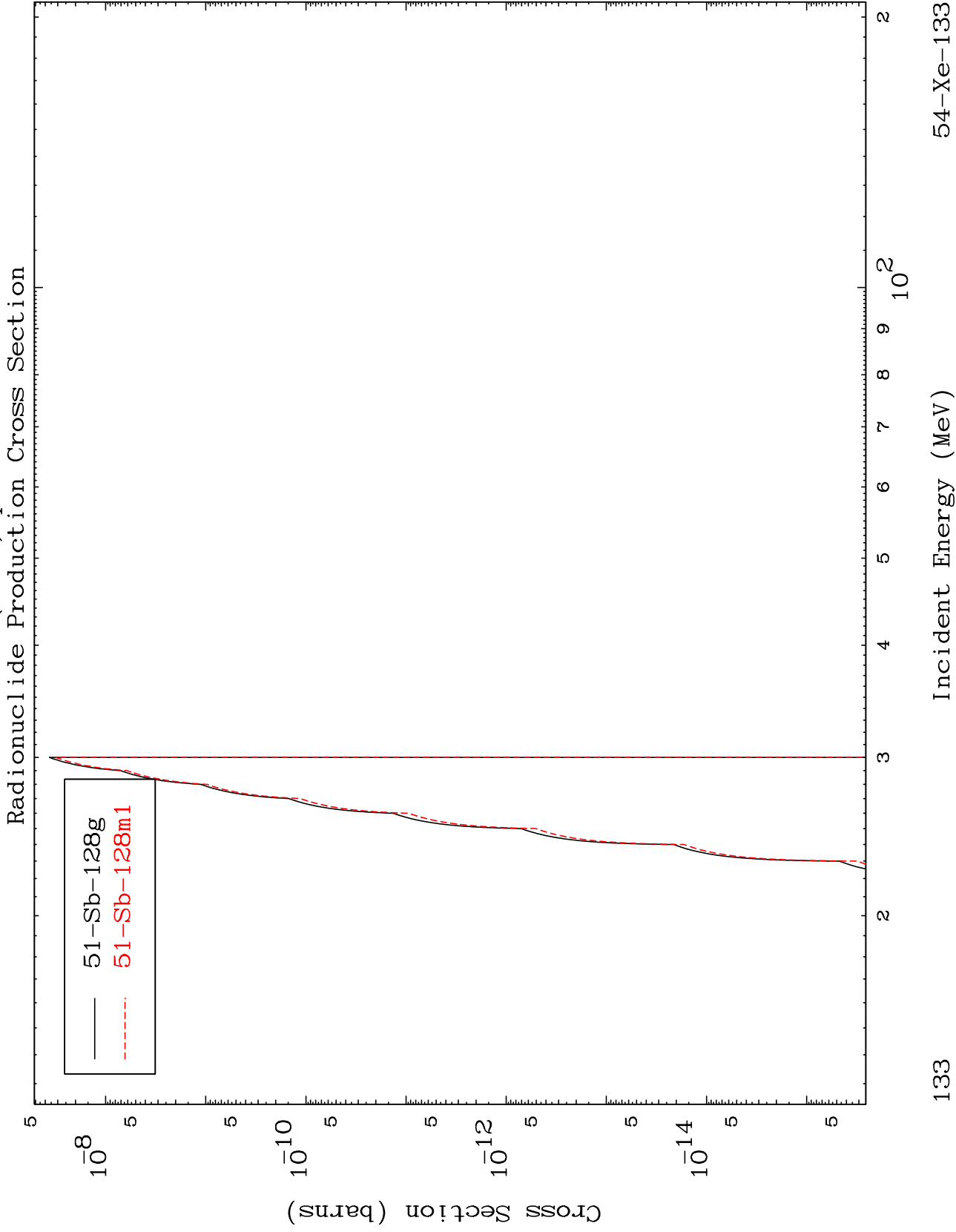
131

Incident Energy (MeV)

54-Xe-133

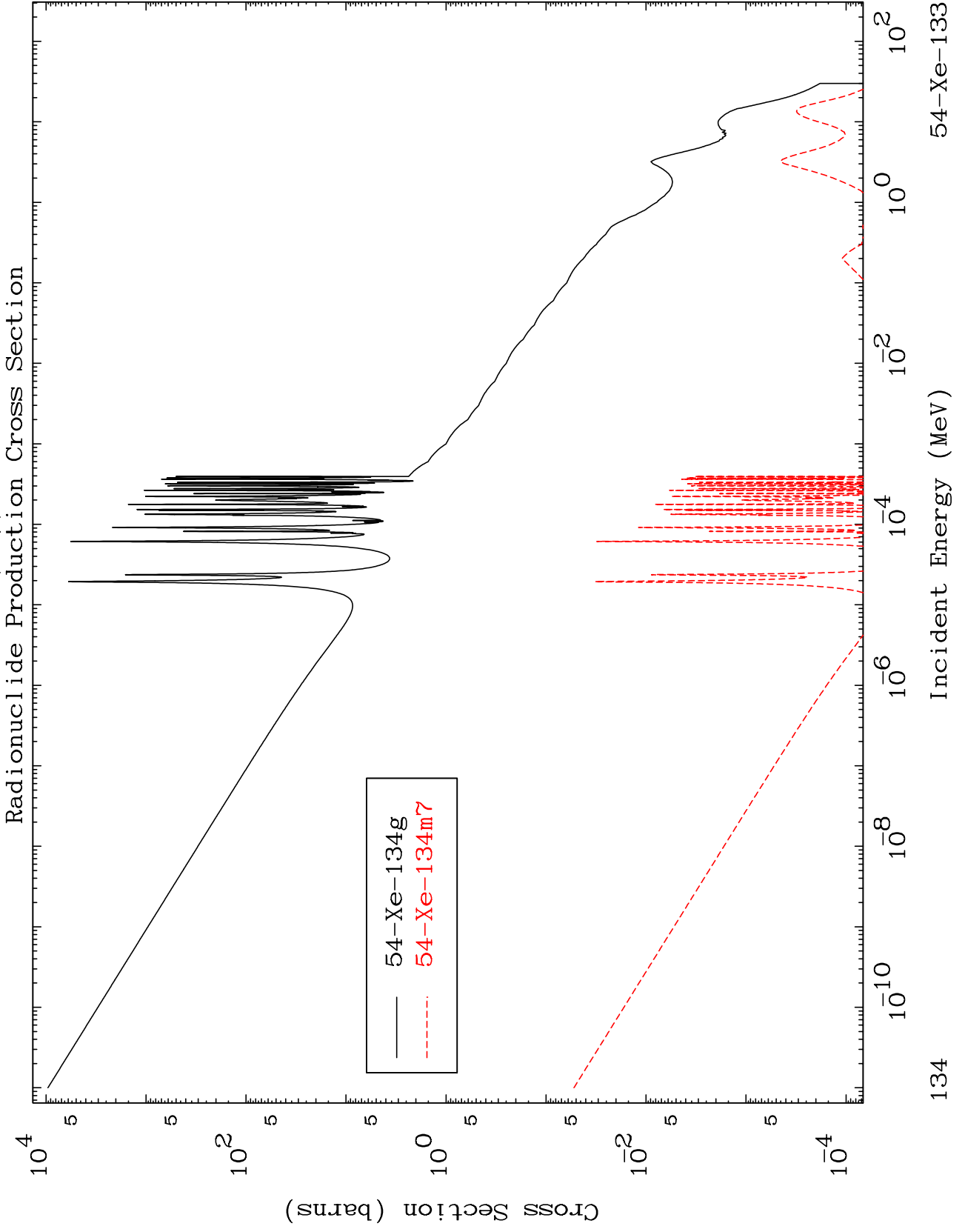
Radionuclide Production Cross Section





MAT 5452

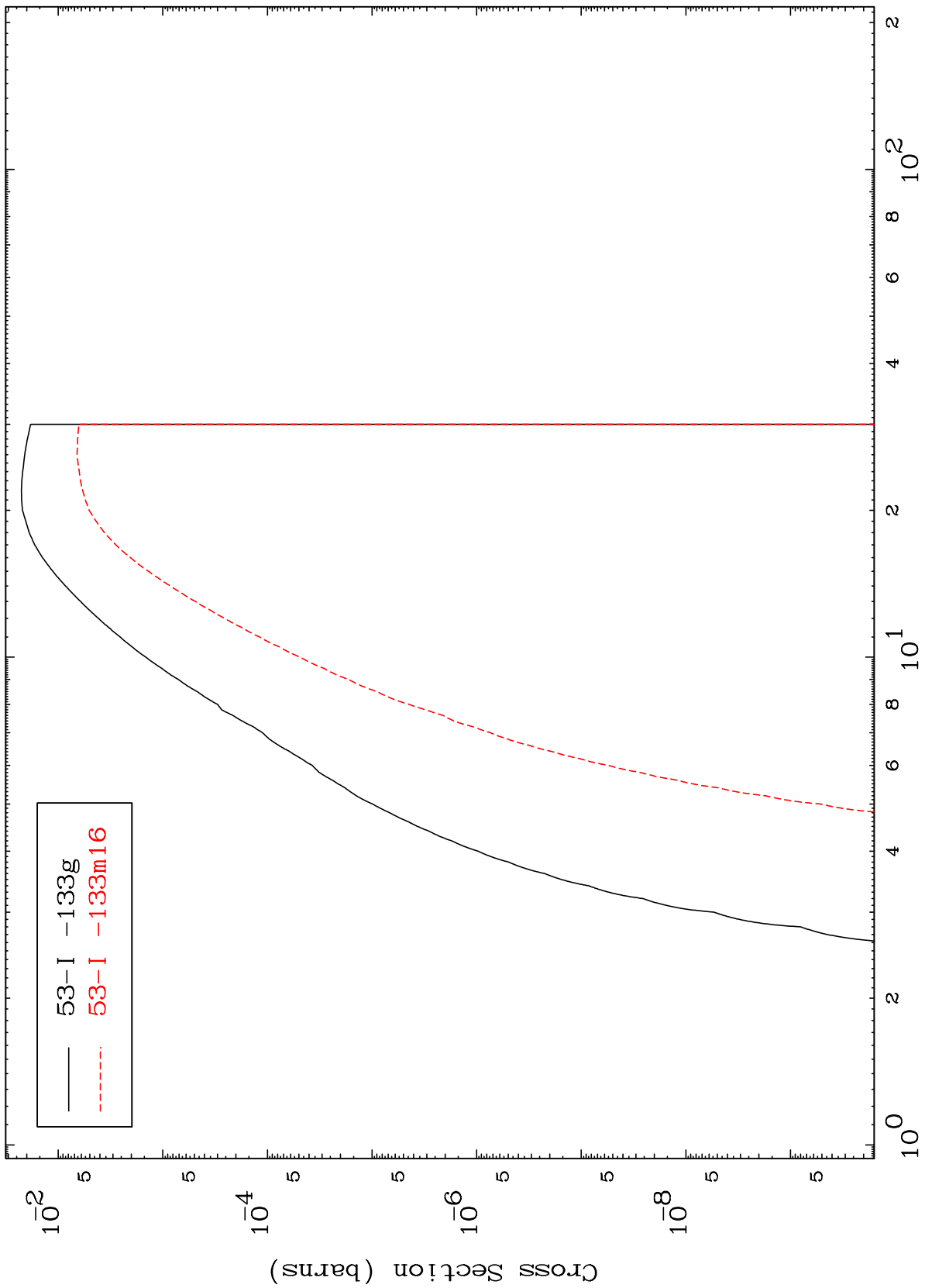
54-Xe-133



MAT 5452

54-Xe-133

(n,p)  
Radionuclide Production Cross Section



Incident Energy (MeV)

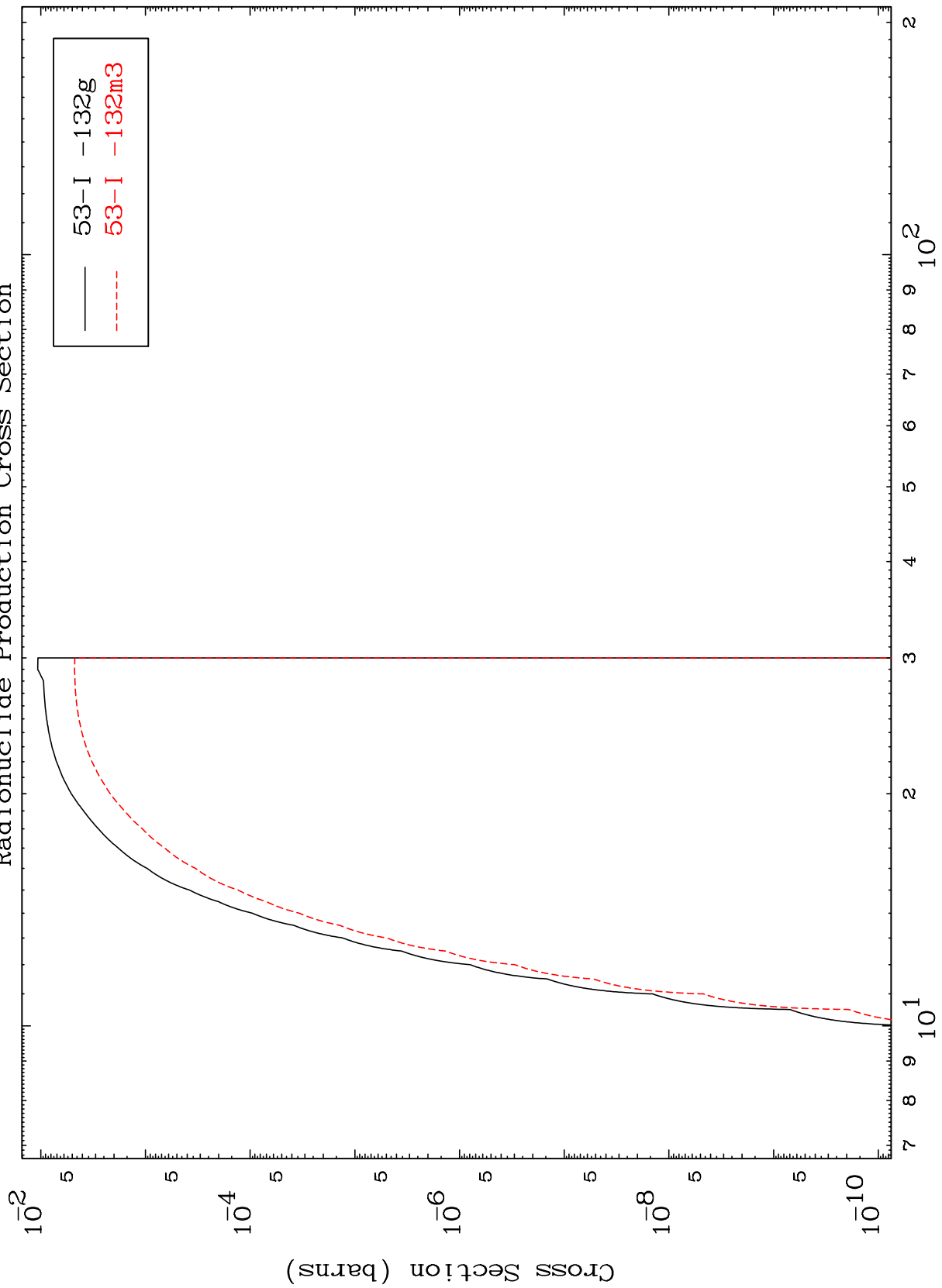
54-Xe-133

135

MAT 5452

54-Xe-133

(n,d)  
Radionuclide Production Cross Section



53-I - 132g  
53-I - 132m3

136

Incident Energy (MeV)

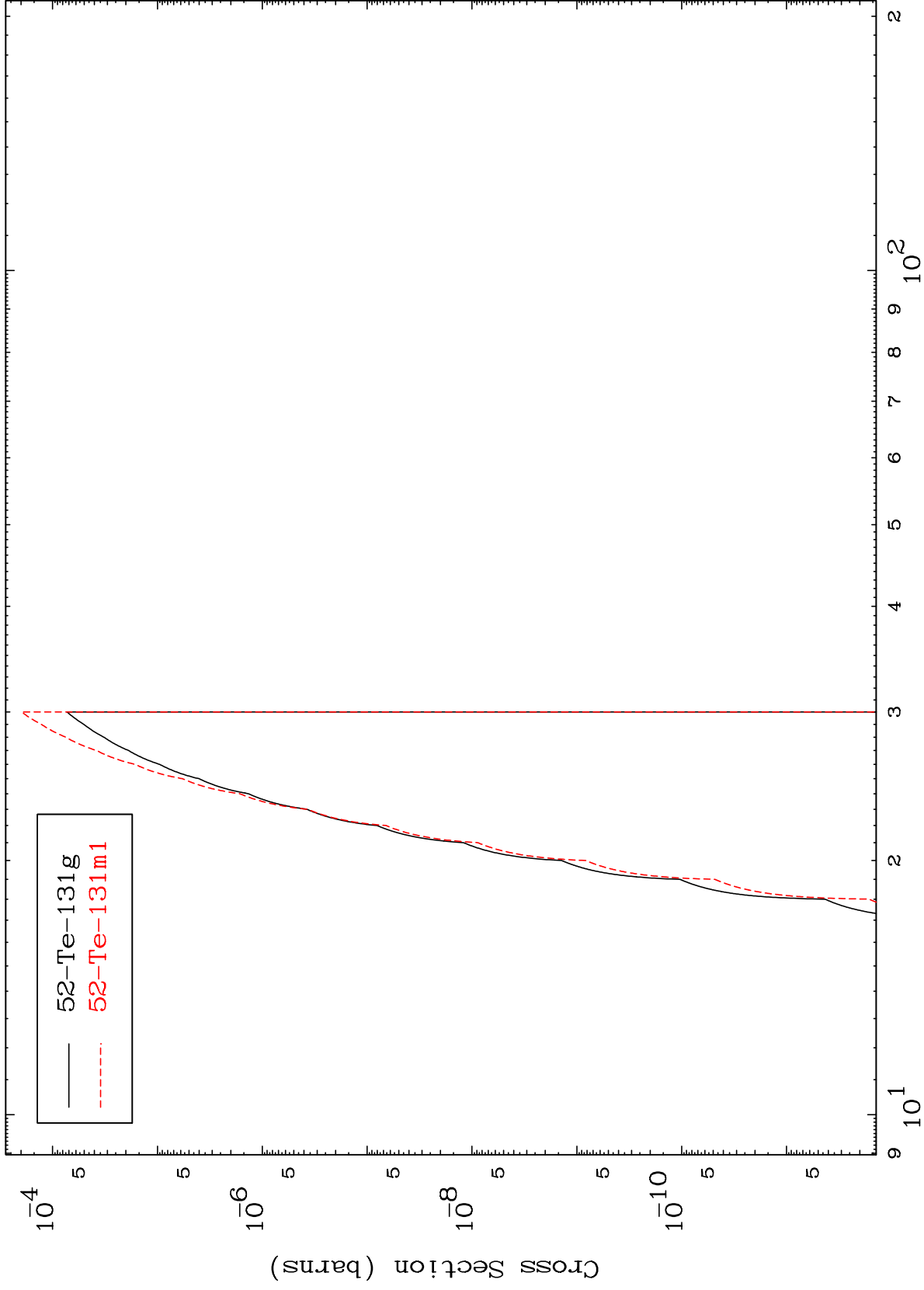
54-Xe-133

MAT 5452

(n,He-3)

54-Xe-133

Radionuclide Production Cross Section



137

Incident Energy (MeV)

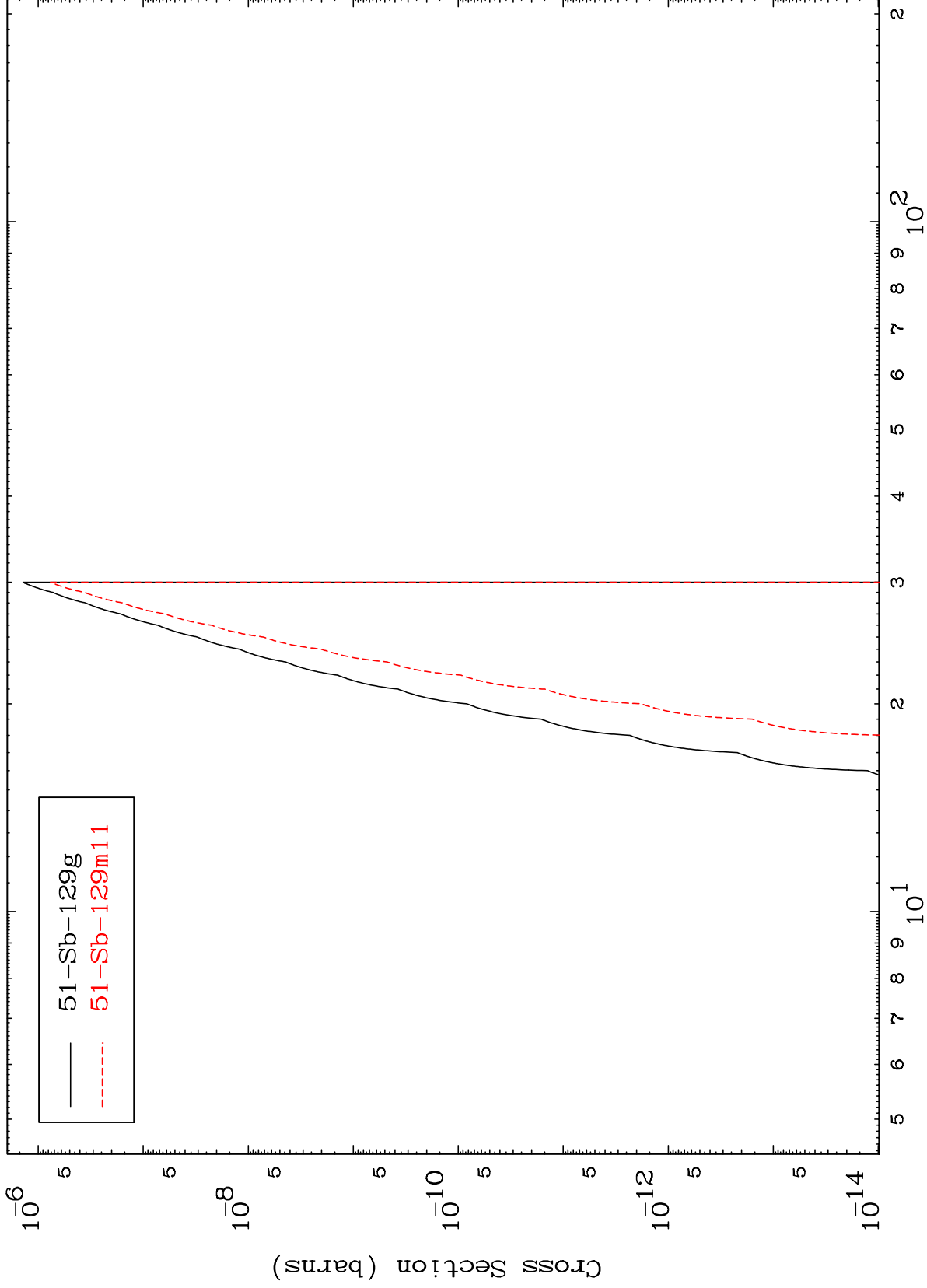
54-Xe-133

MAT 5452

(n,p)  $\alpha$

54-Xe-133

Radionuclide Production Cross Section



138

Incident Energy (MeV)

54-Xe-133

Radionuclide Production Cross Section

