

Program EVALPLOT  
(Version 2017-1)

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

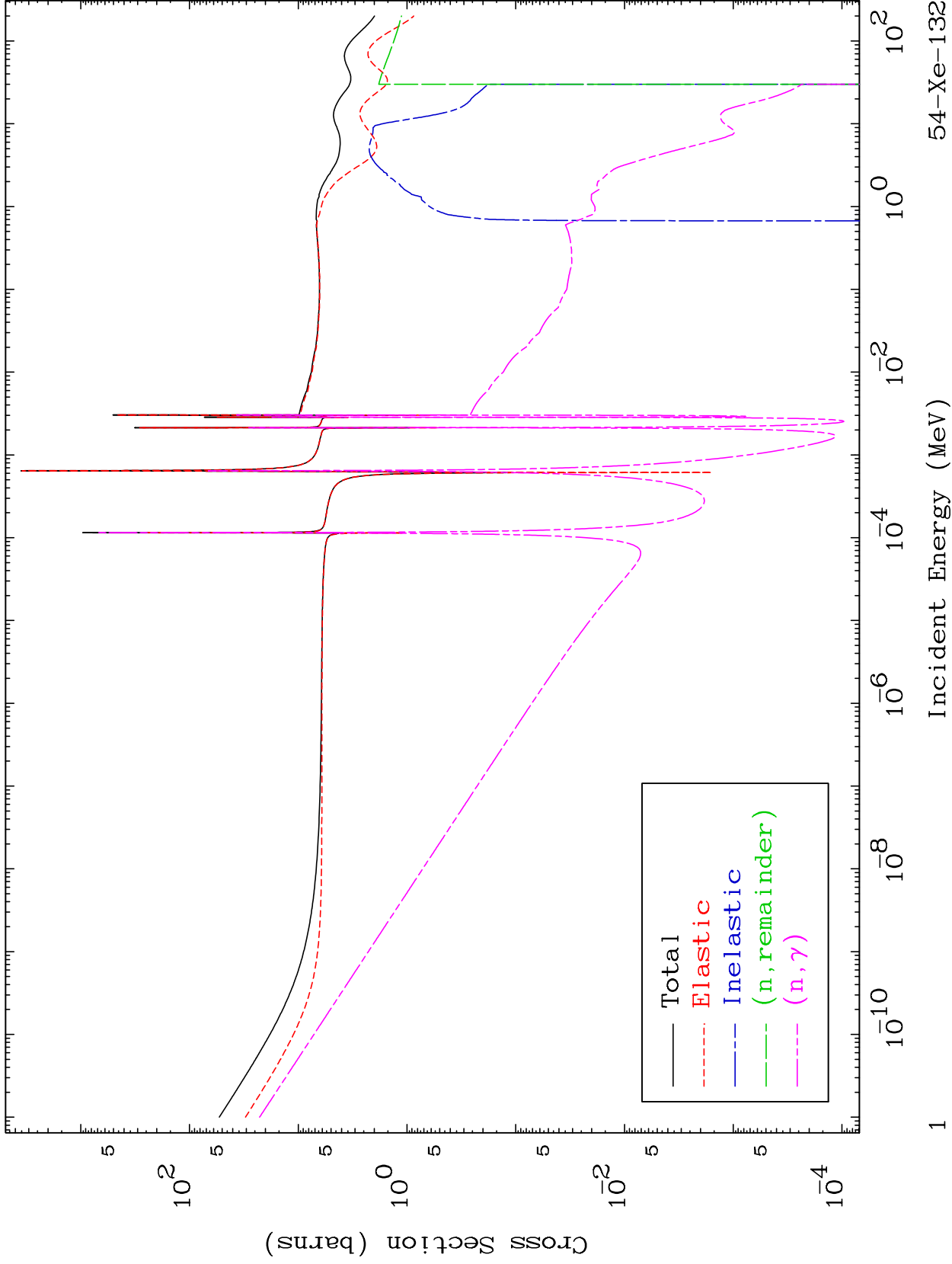
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

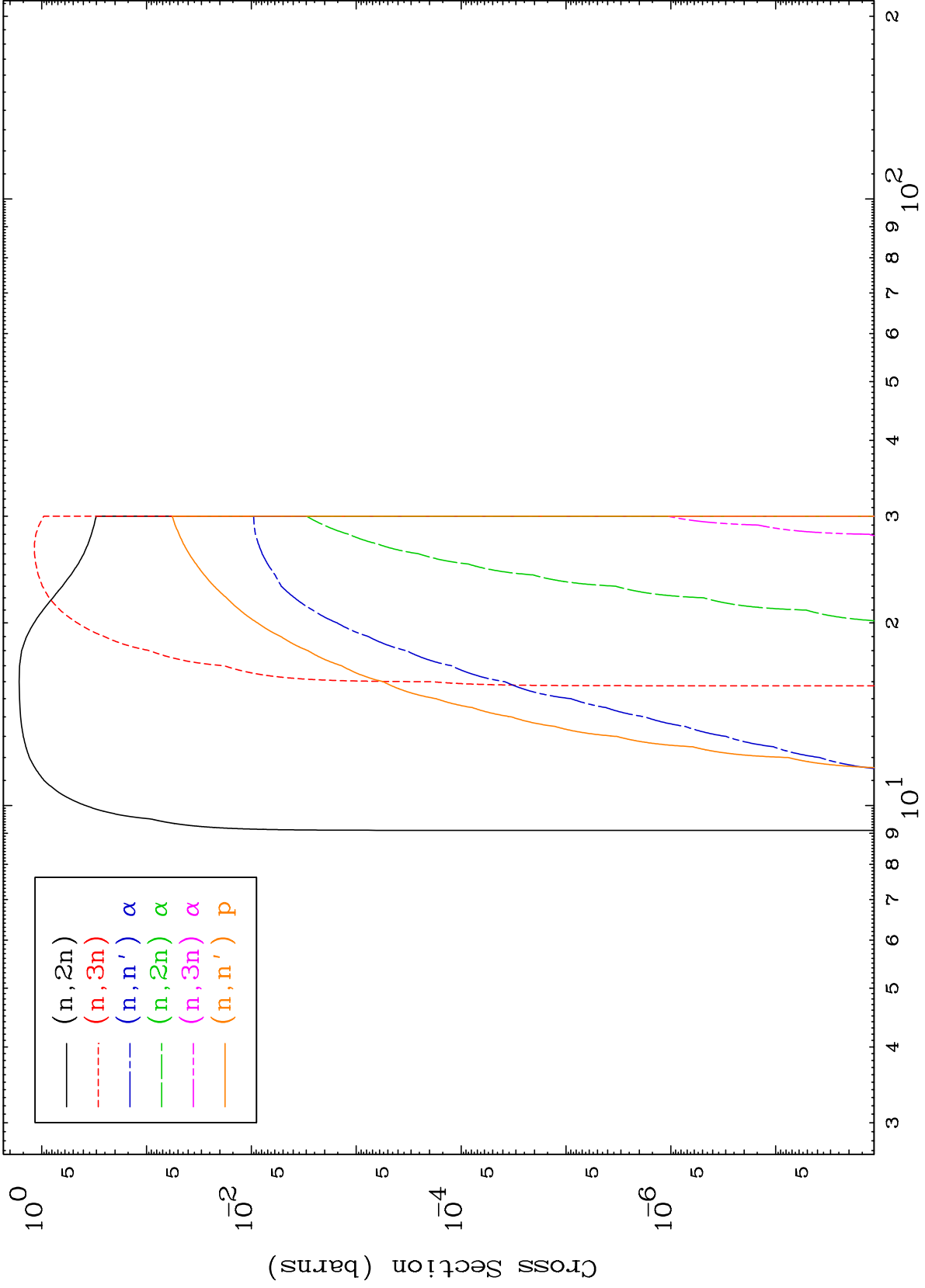
MAT 5449

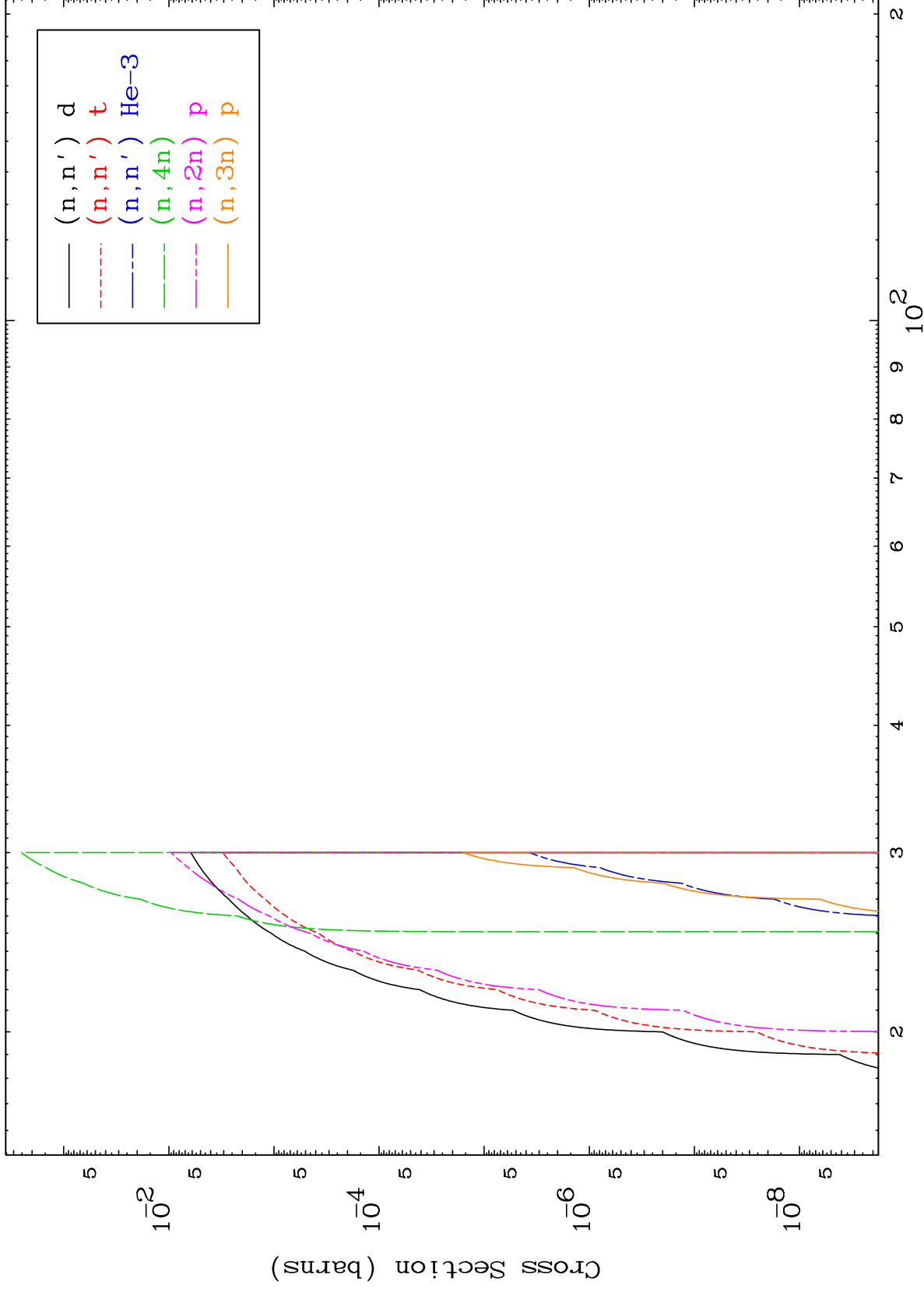
Major  
293 Kelvin Cross Sections

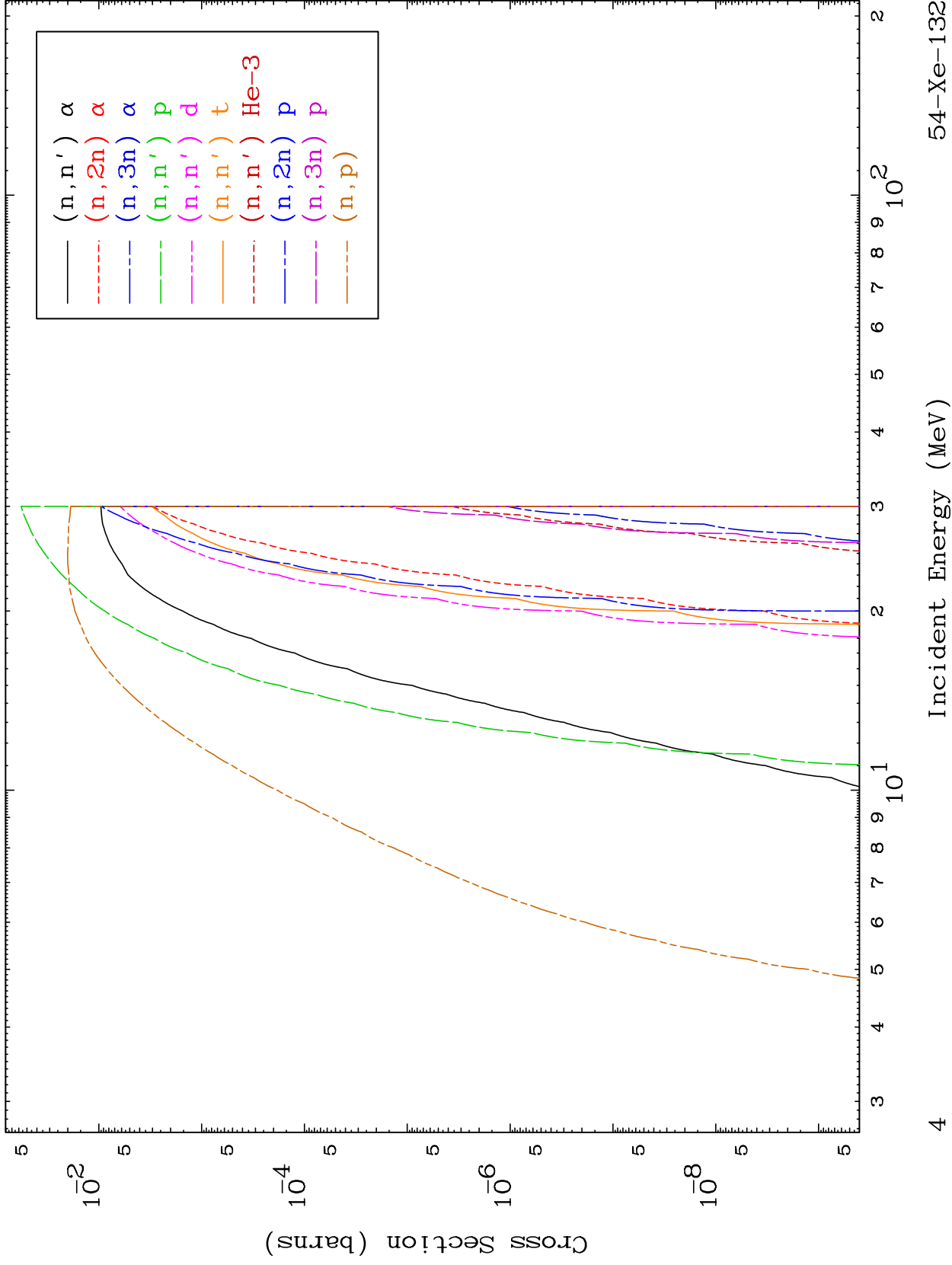
54-Xe-132



Neutron Production  
293 Kelvin Cross Sections



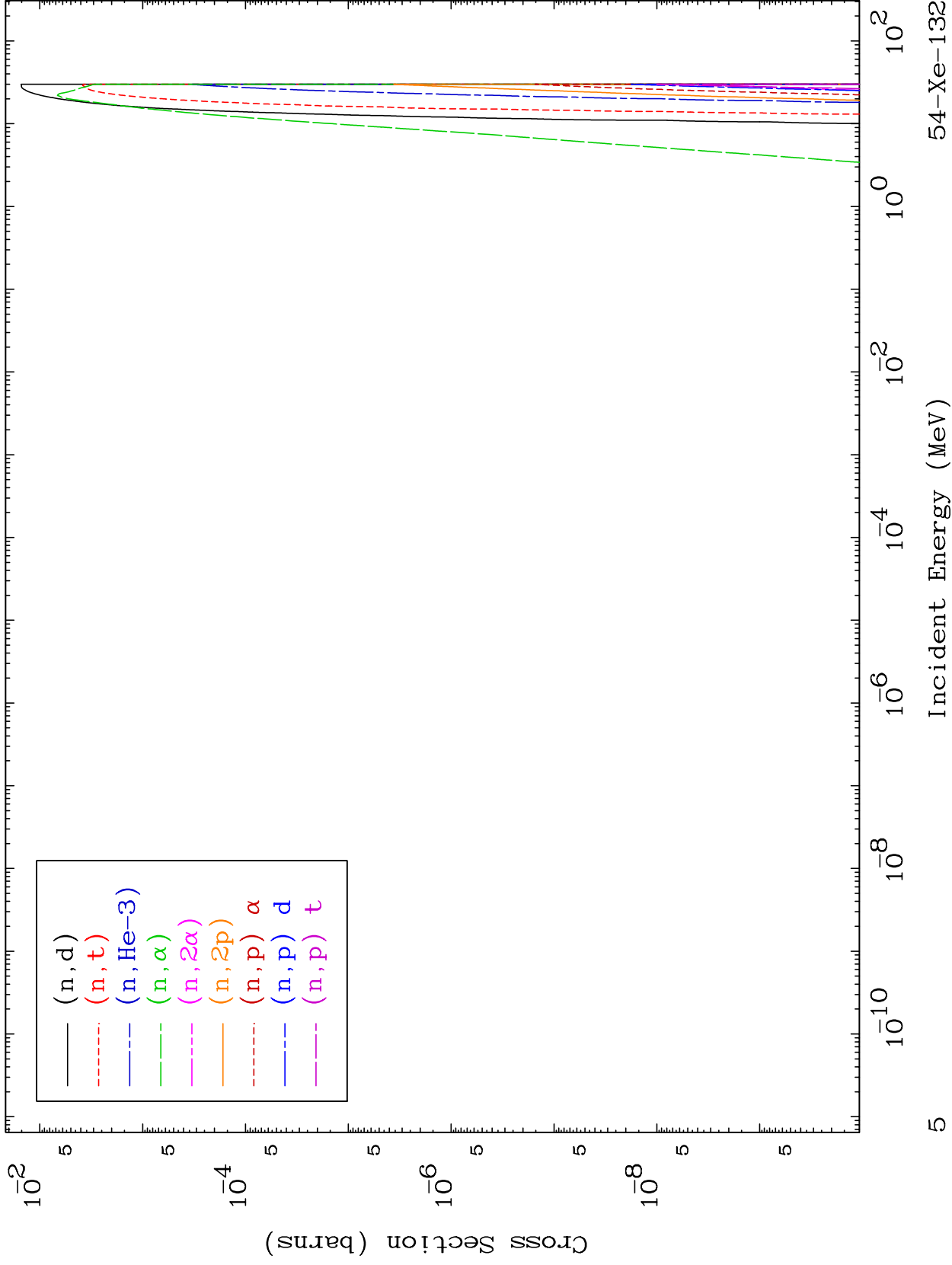




MAT 5449

Charged Particle  
293 Kelvin Cross Sections

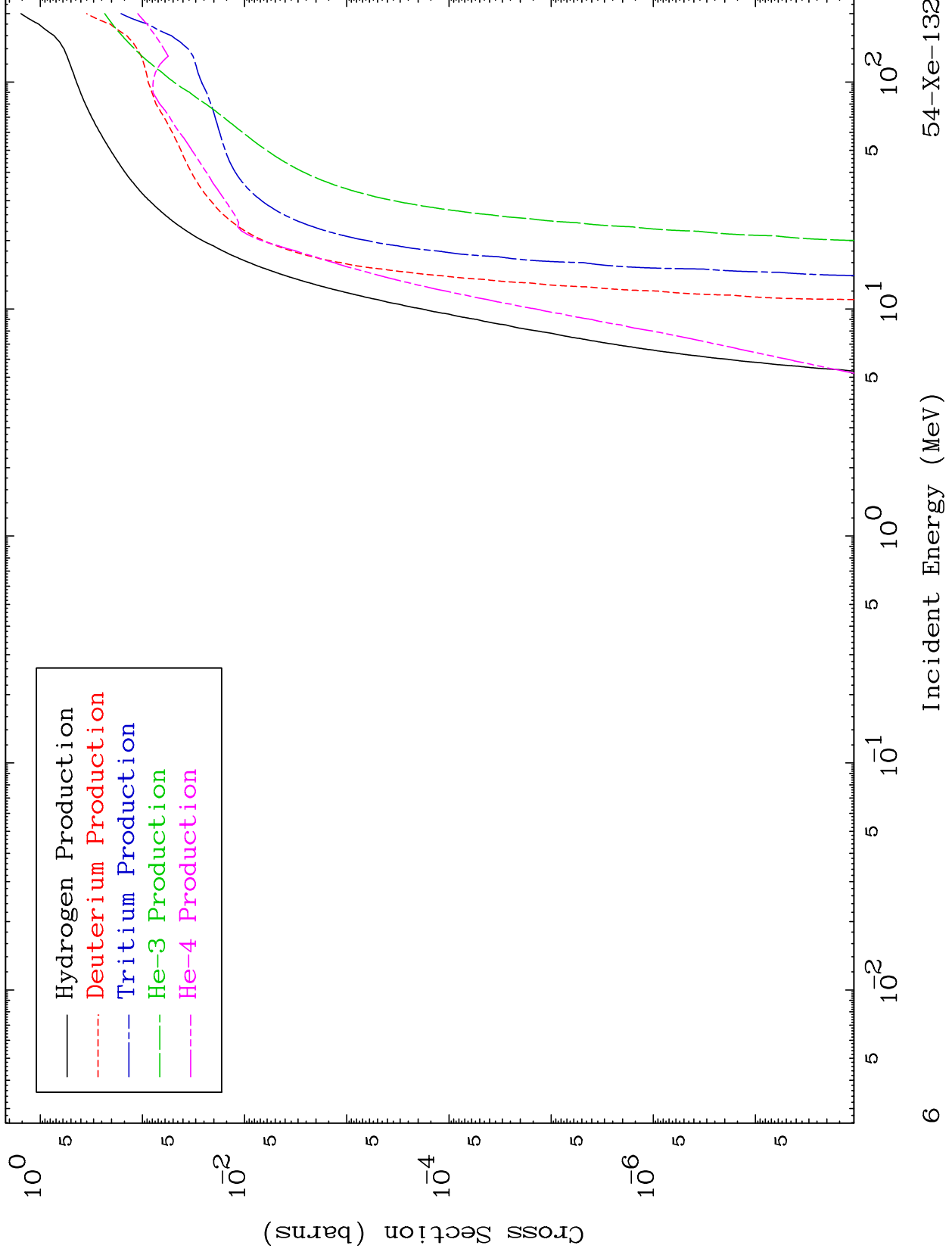
54-Xe-132



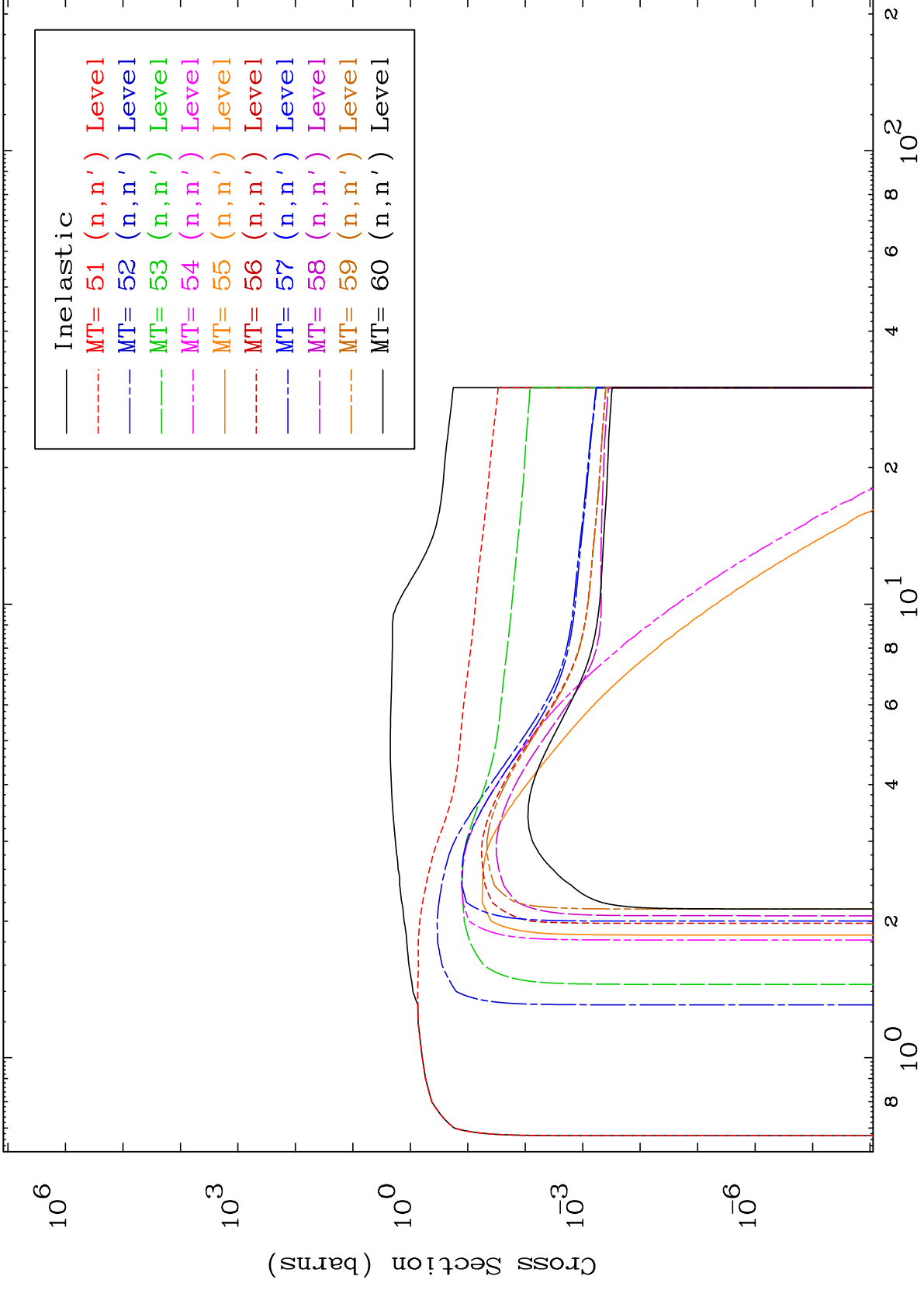
MAT 5449

Particle Production  
293 Kelvin Cross Sections

54-Xe-132



293 Kelvin Cross Sections



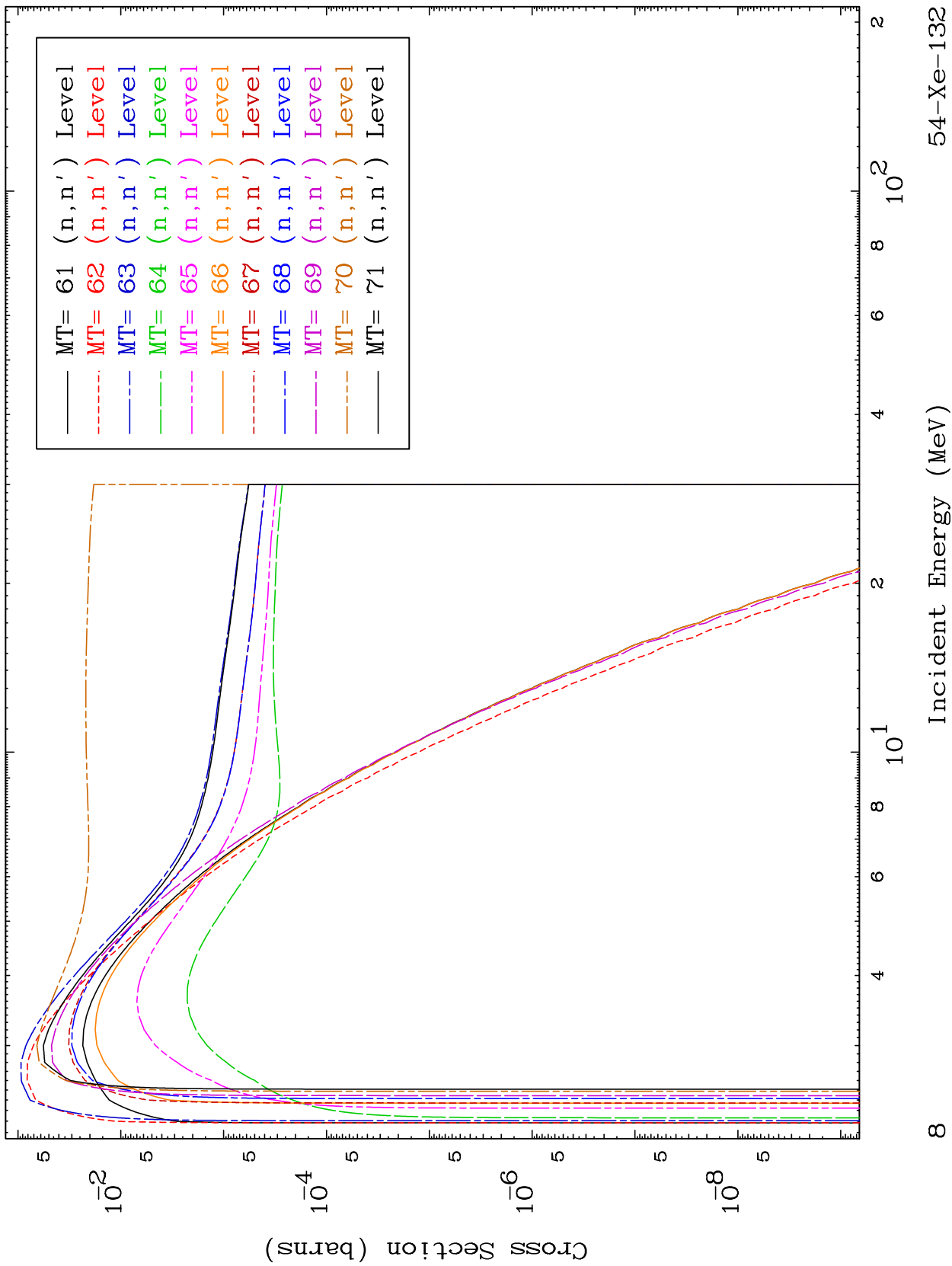


MAT 5449

(n,n') Level

293 Kelvin Cross Sections

54-Xe-132

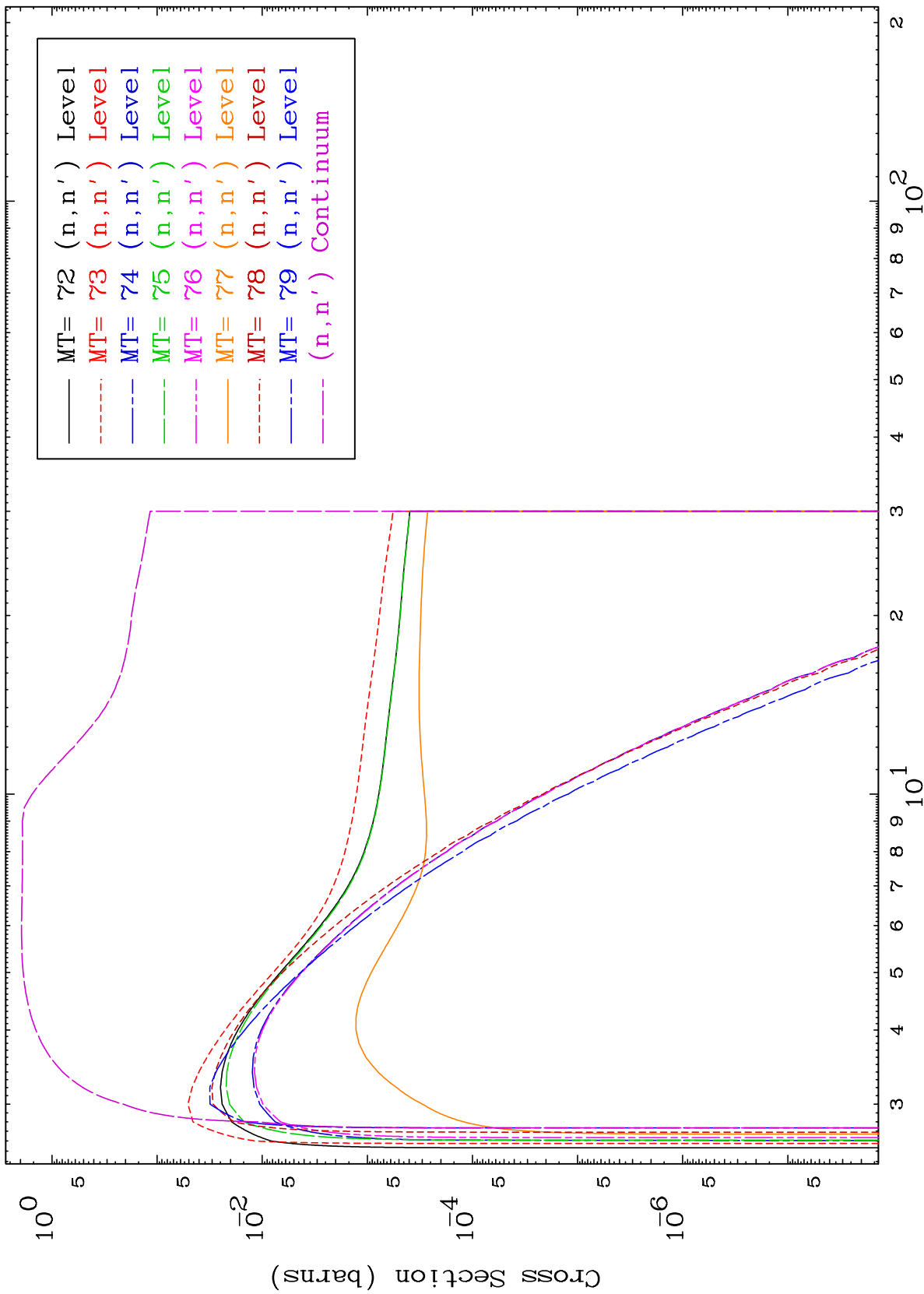


8

Incident Energy (MeV)

54-Xe-132

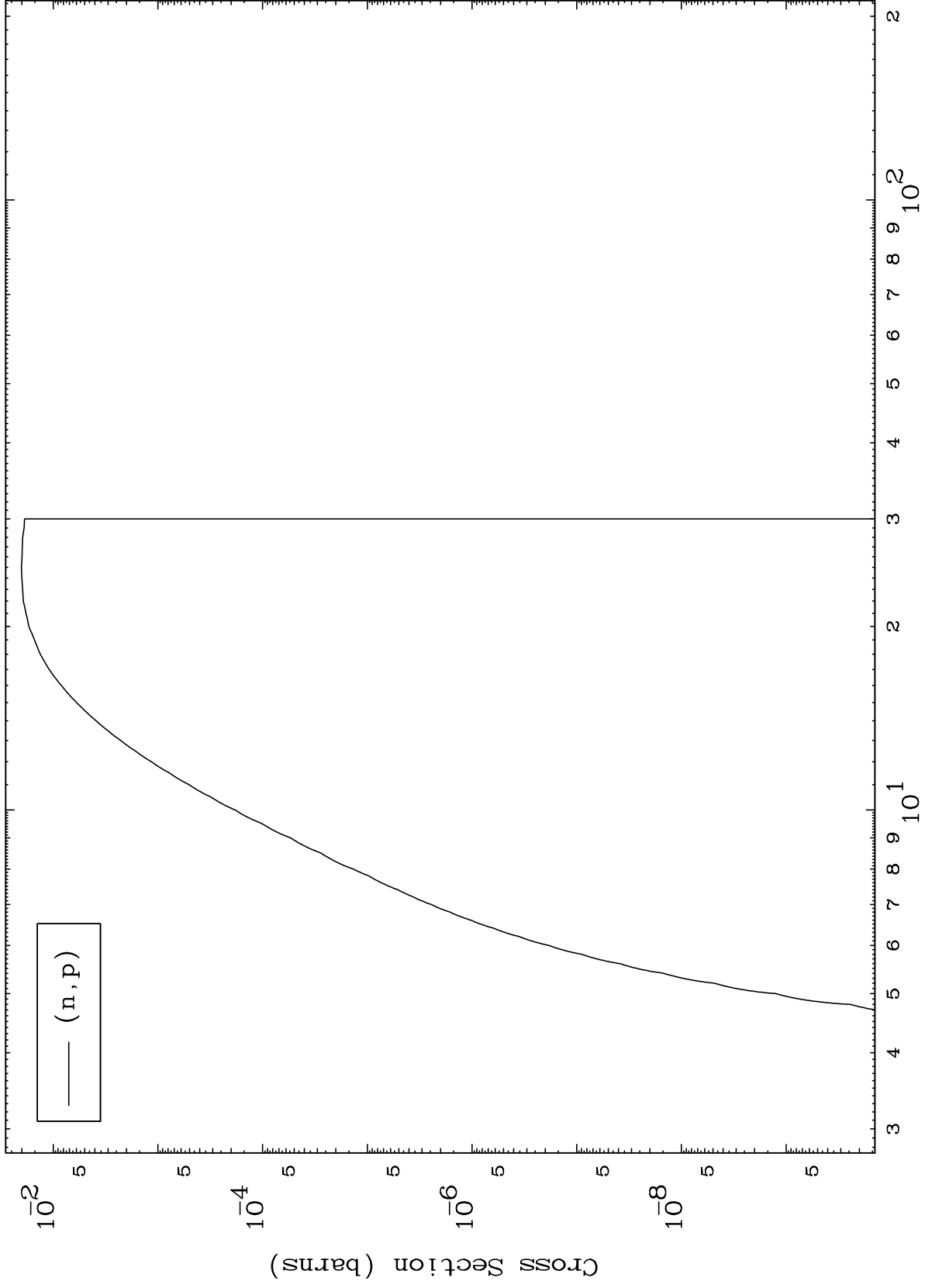
293 Kelvin Cross Sections



MAT 5449

(n,p) Levels  
293 Kelvin Cross Sections

54-Xe-132



10

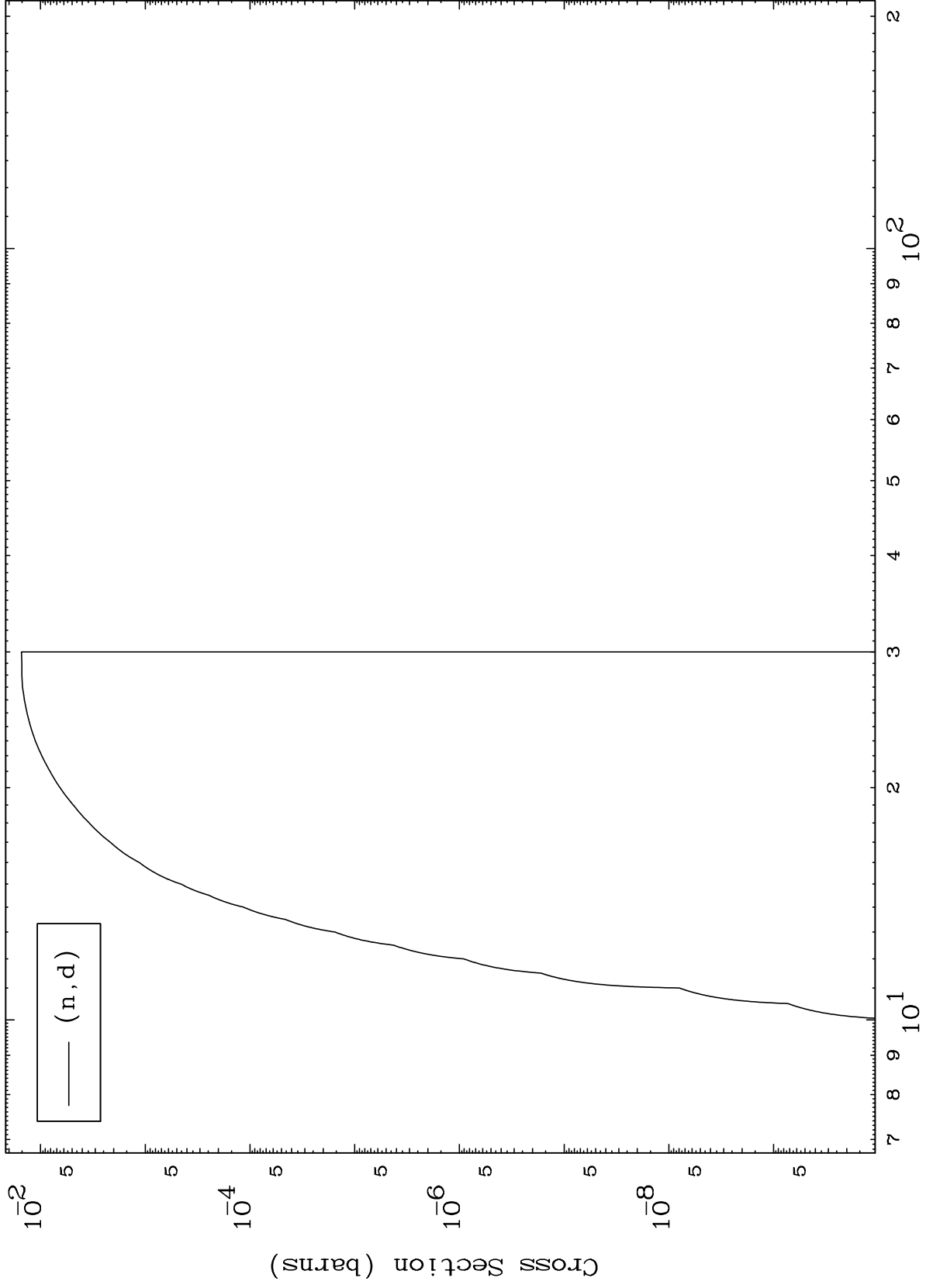
Incident Energy (MeV)

54-Xe-132

MAT 5449

(n,d) Levels  
293 Kelvin Cross Sections

54-Xe-132



11

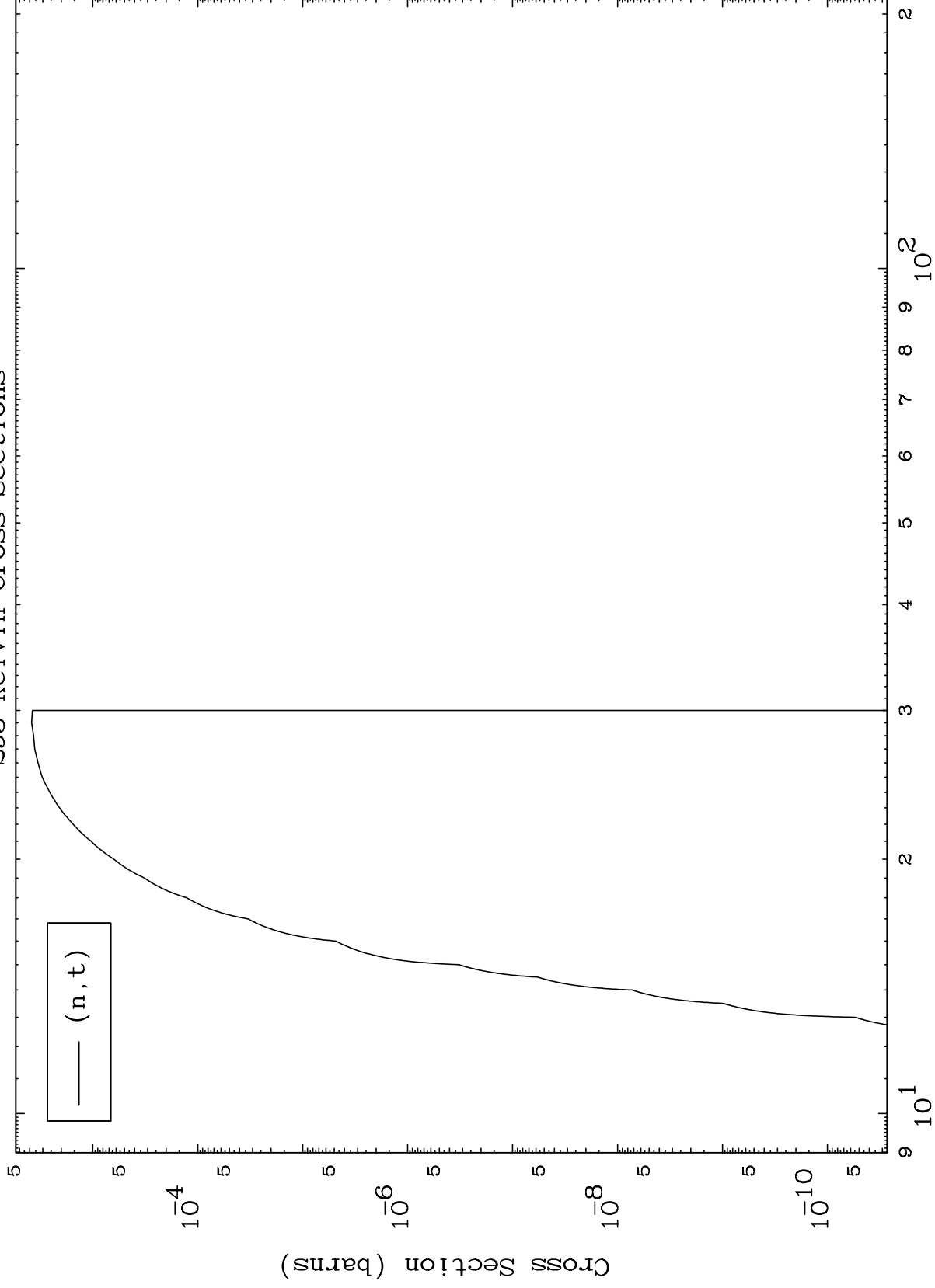
Incident Energy (MeV)

54-Xe-132

MAT 5449

(n,t) Levels  
293 Kelvin Cross Sections

54-Xe-132



12

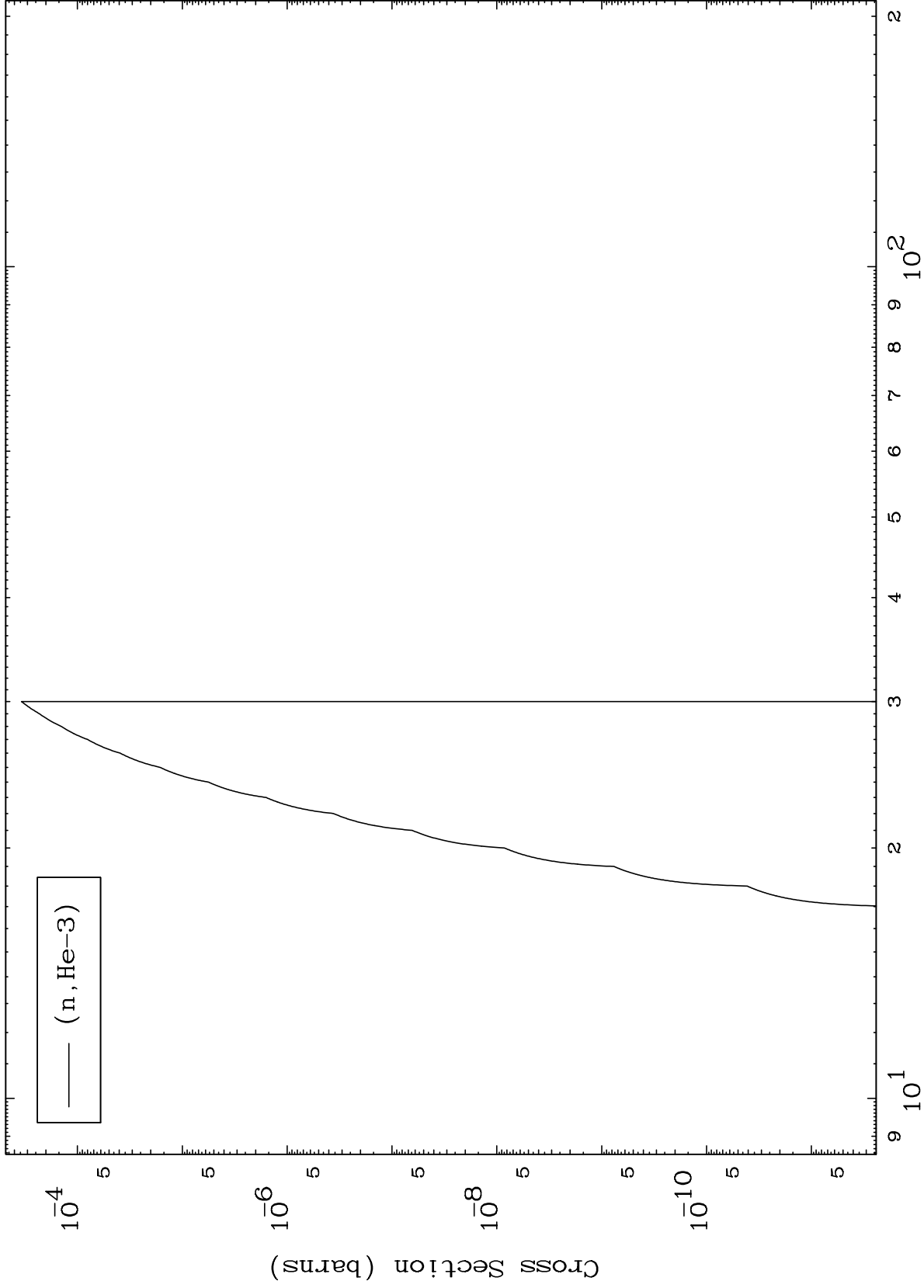
Incident Energy (MeV)

54-Xe-132

MAT 5449

(n,He3) Levels  
293 Kelvin Cross Sections

54-Xe-132



13

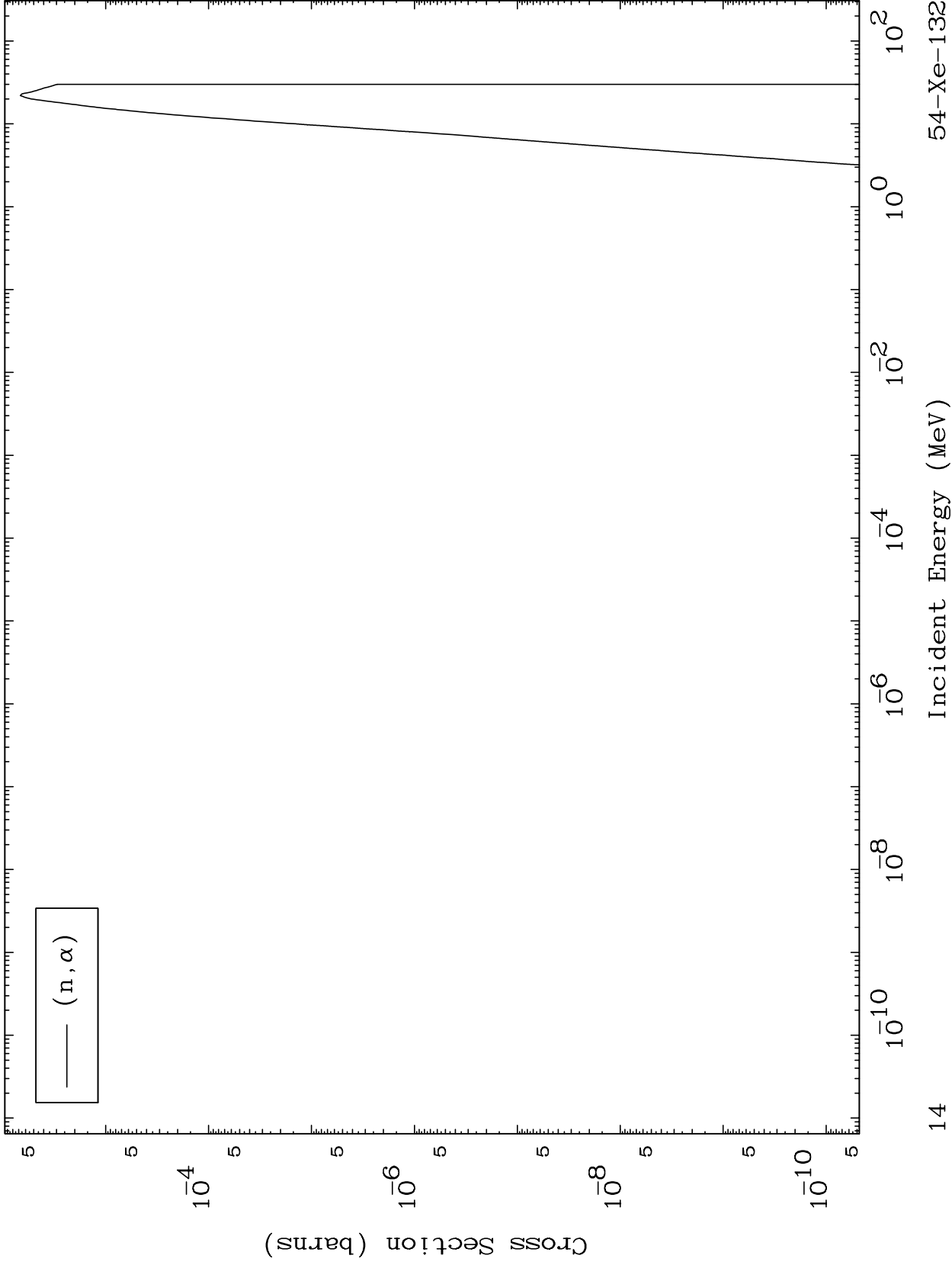
Incident Energy (MeV)

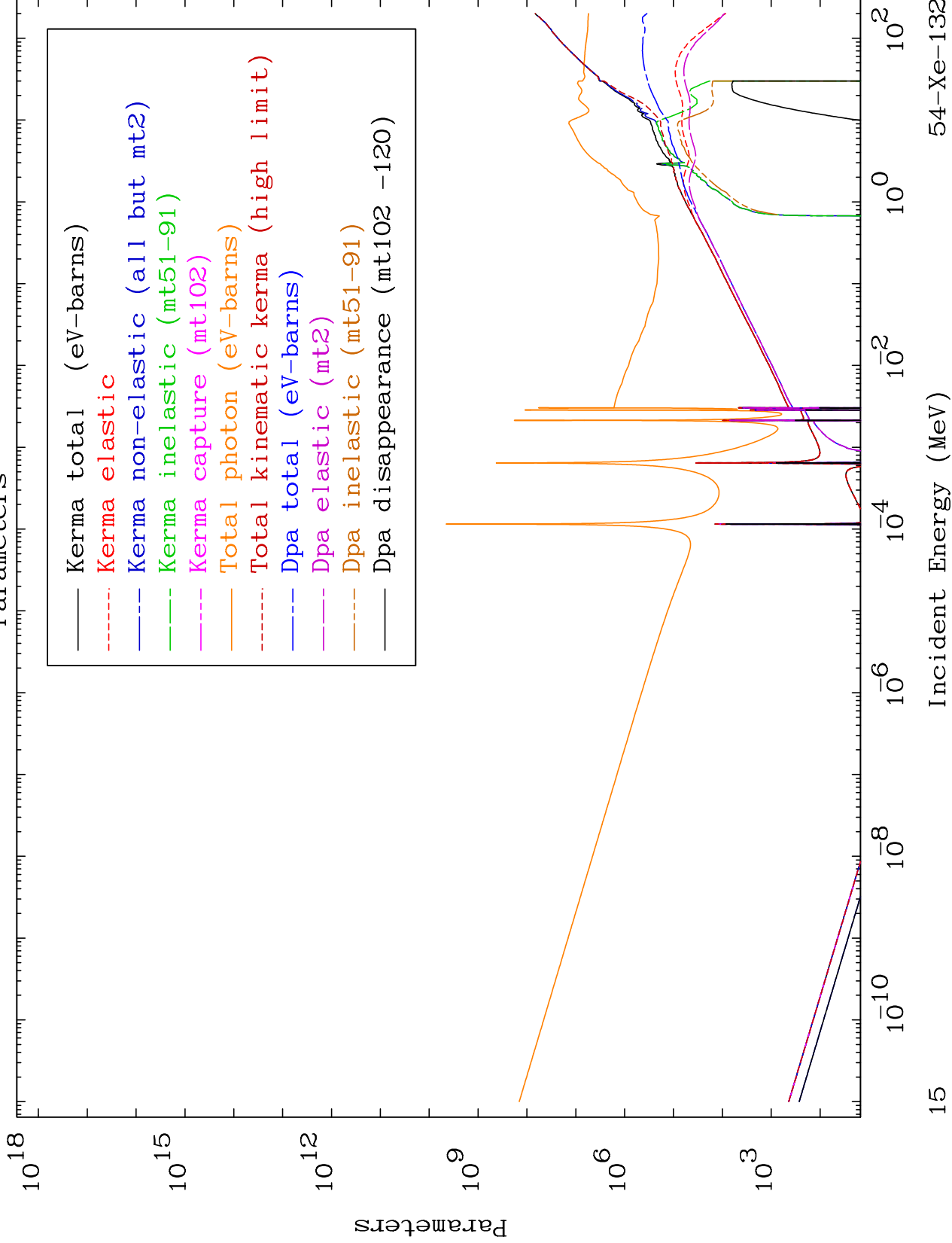
54-Xe-132

MAT 5449

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

54-Xe-132



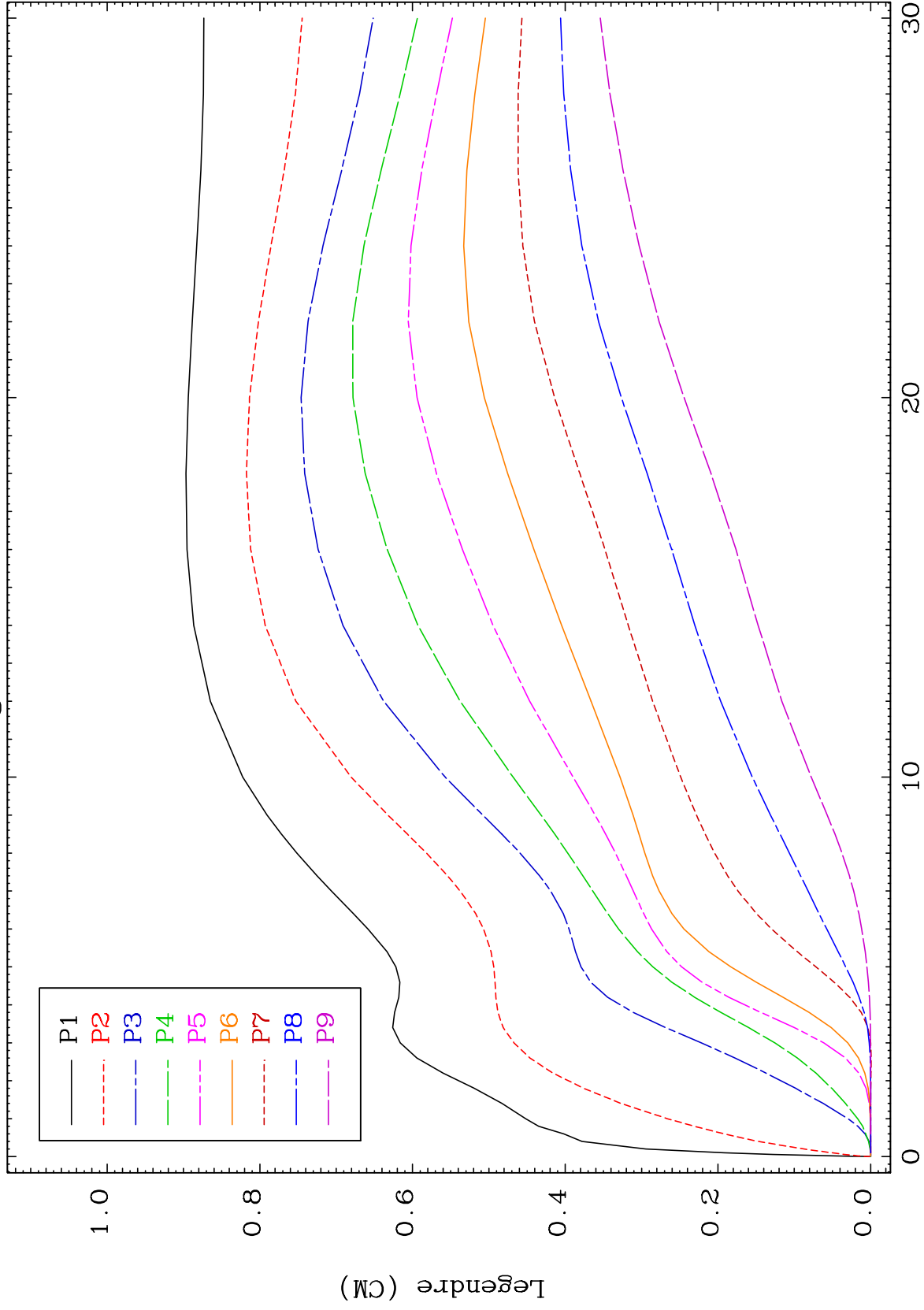




MAT 5449

Elastic Legendre Coefficients

54-Xe-132



16

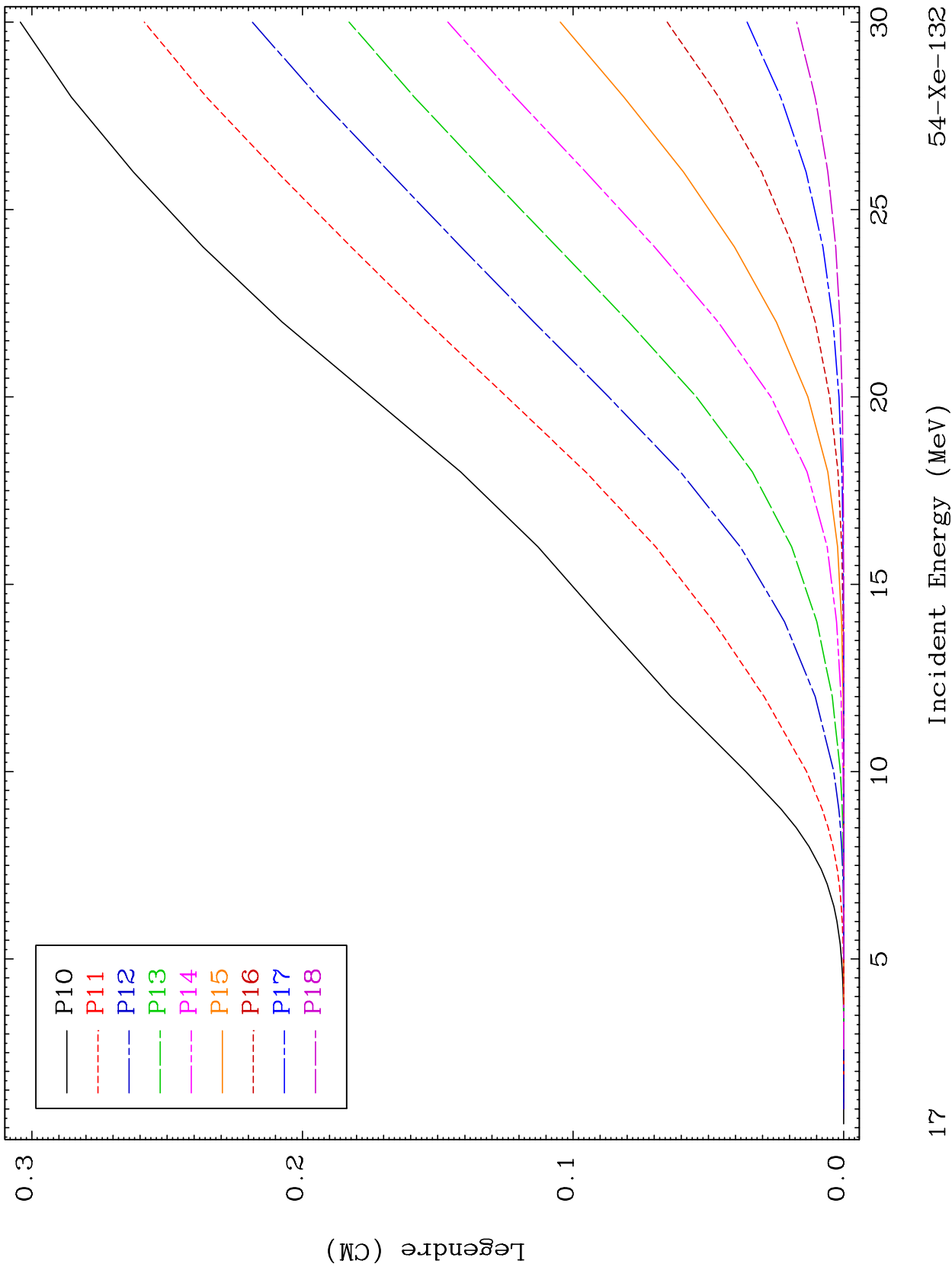
Incident Energy (MeV)

54-Xe-132

MAT 5449

Elastic Legendre Coefficients

54-Xe-132

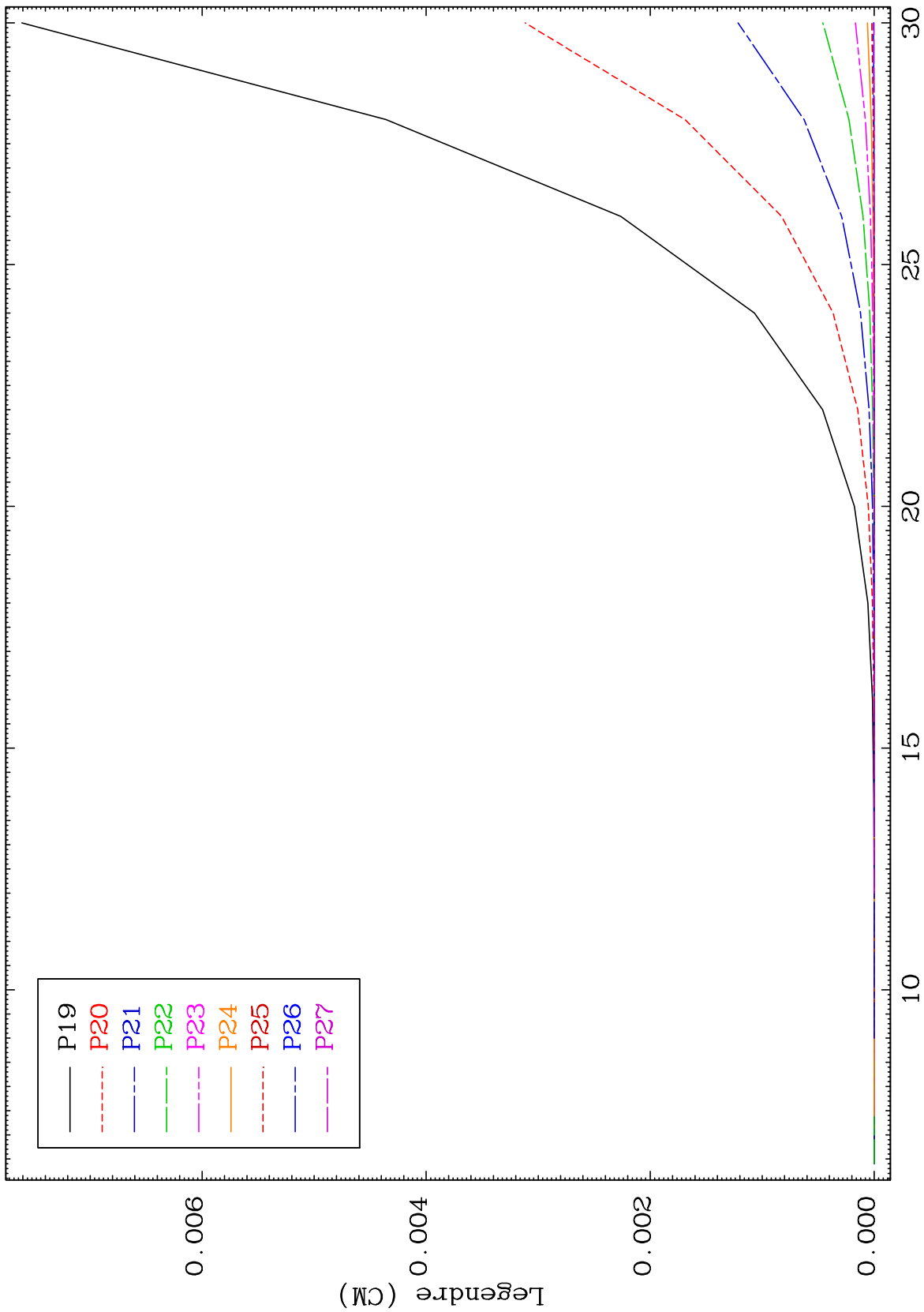


17

MAT 5449

### Elastic Legendre Coefficients

54-Xe-132



18

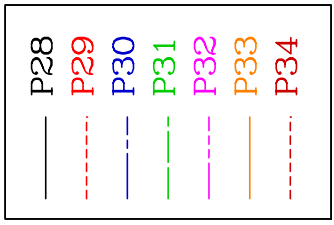
Incident Energy (MeV)

54-Xe-132

MAT 5449

Elastic Legendre Coefficients

54-Xe-132



19

Incident Energy (MeV)

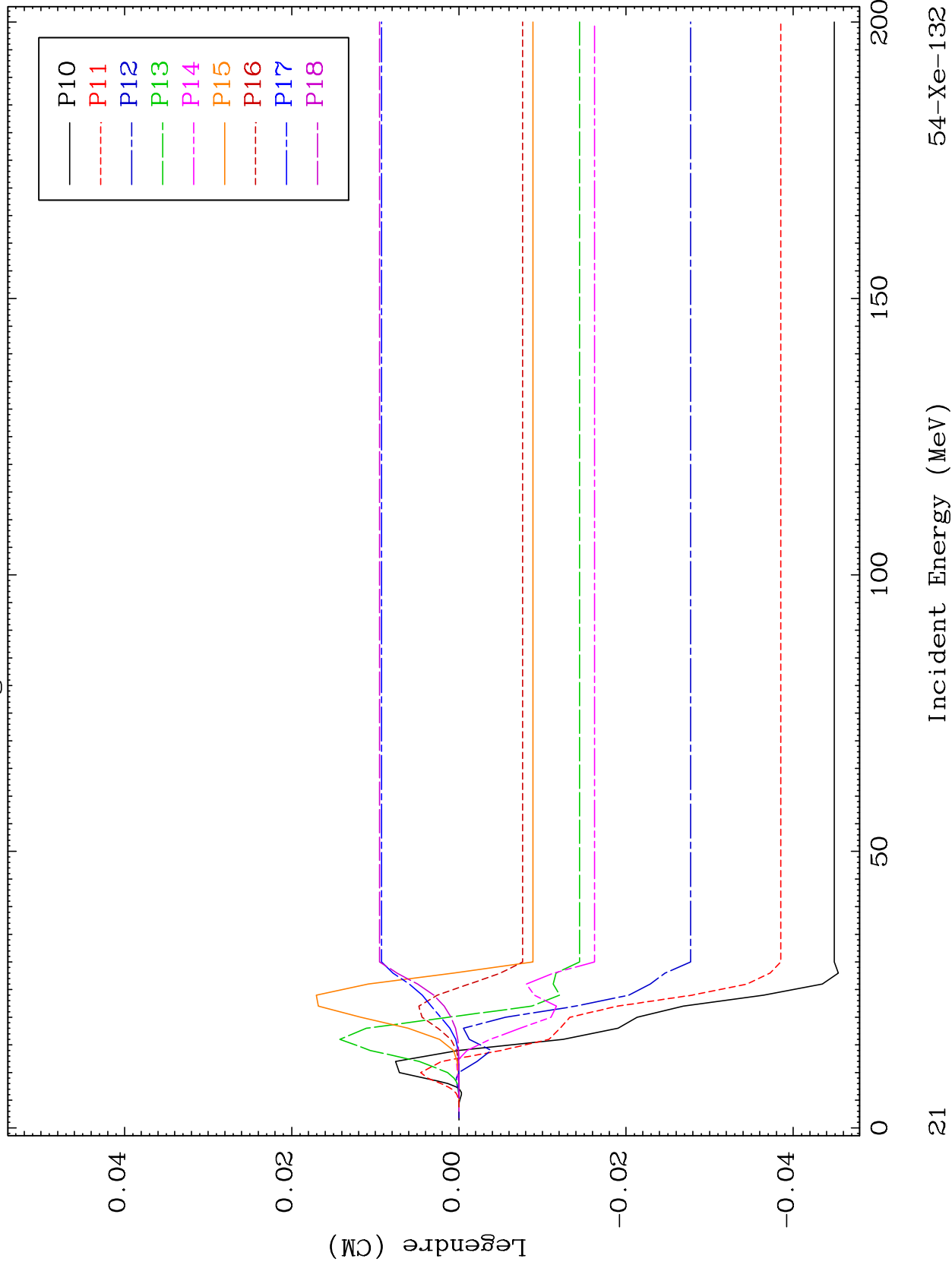
54-Xe-132



MAT 5449

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

54-Xe-132



21

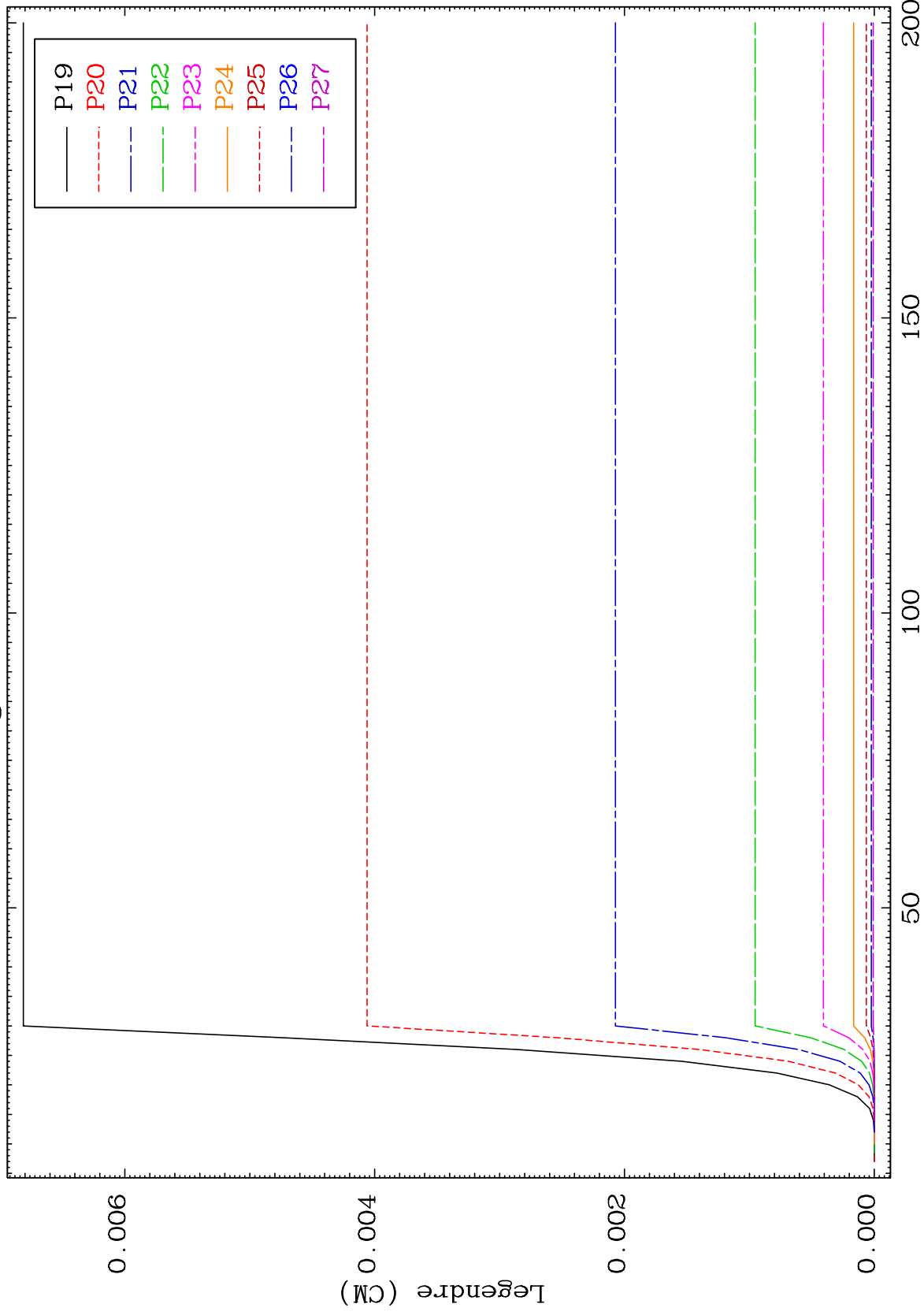
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



22

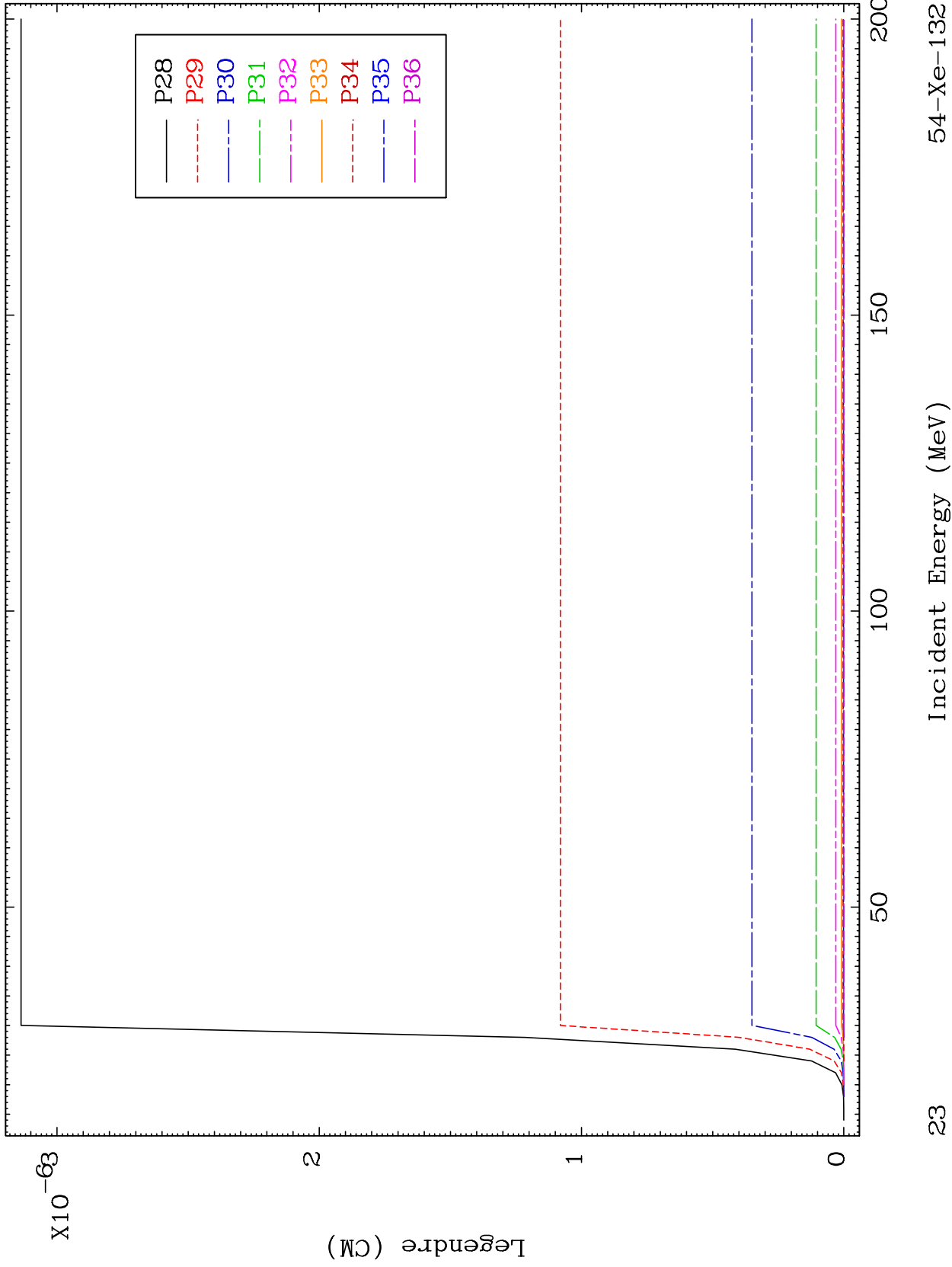
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



23

Incident Energy (MeV)

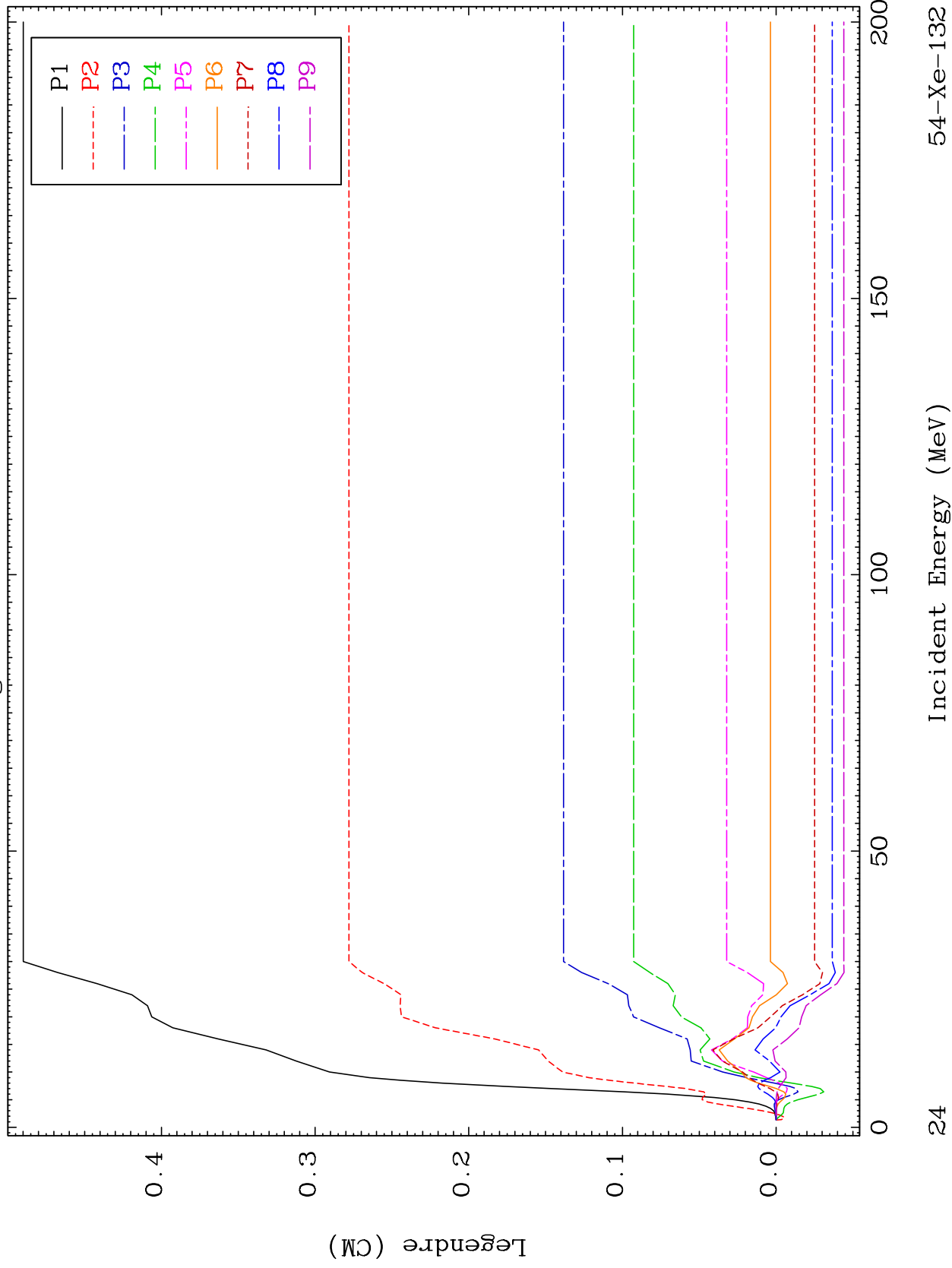
54-Xe-132



MAT 5449

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

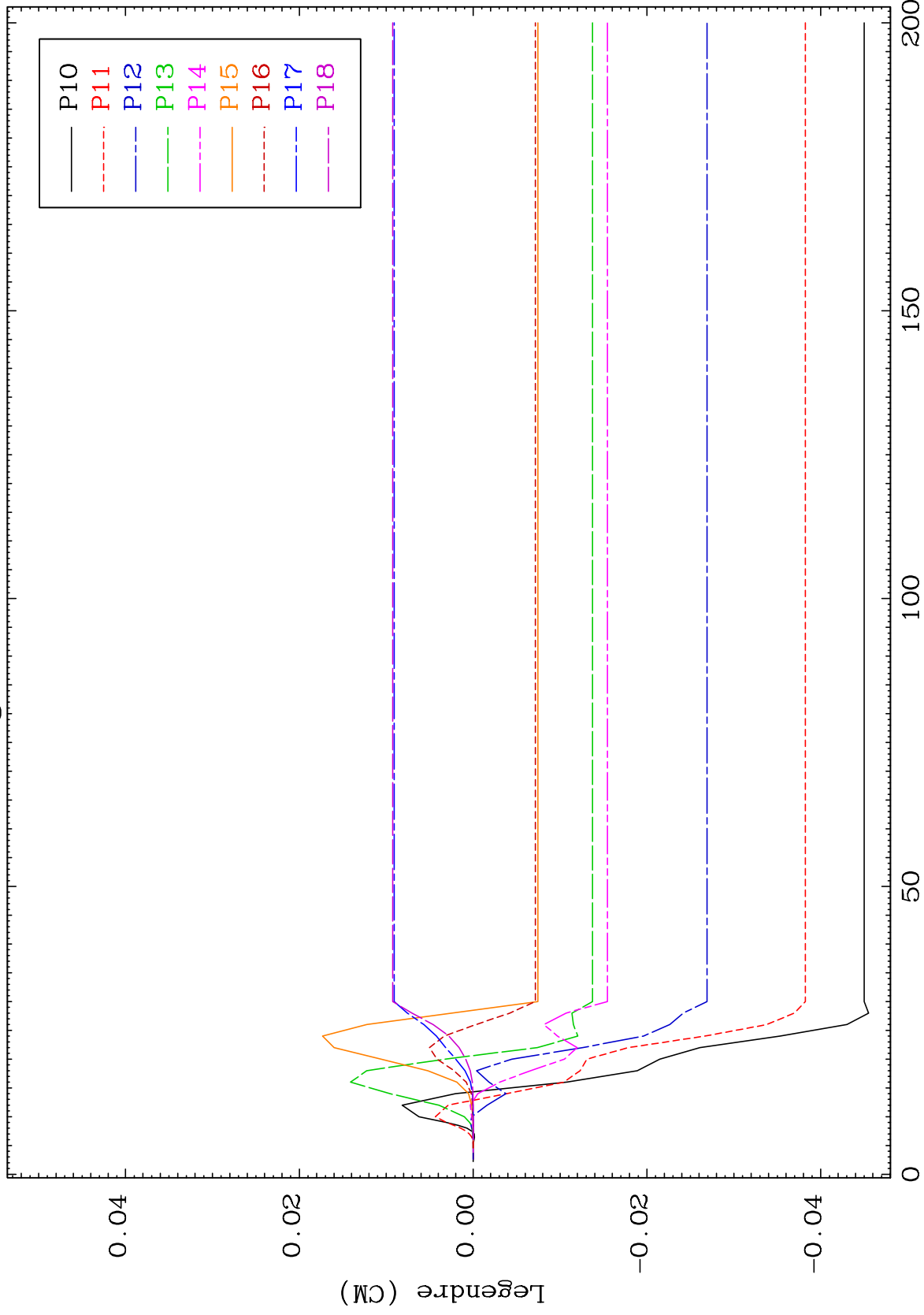
54-Xe-132



MAT 5449

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

54-Xe-132



25

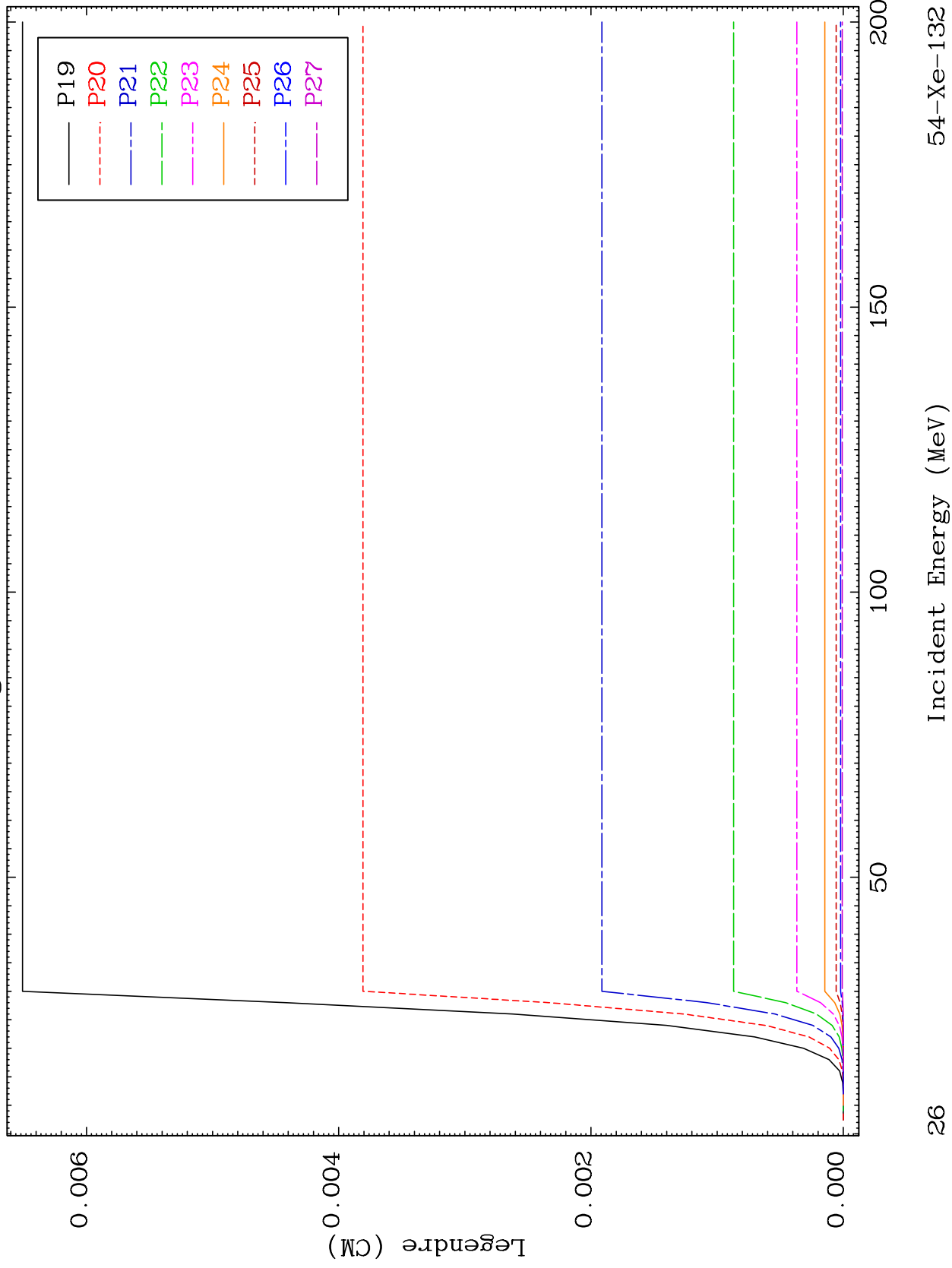
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



26

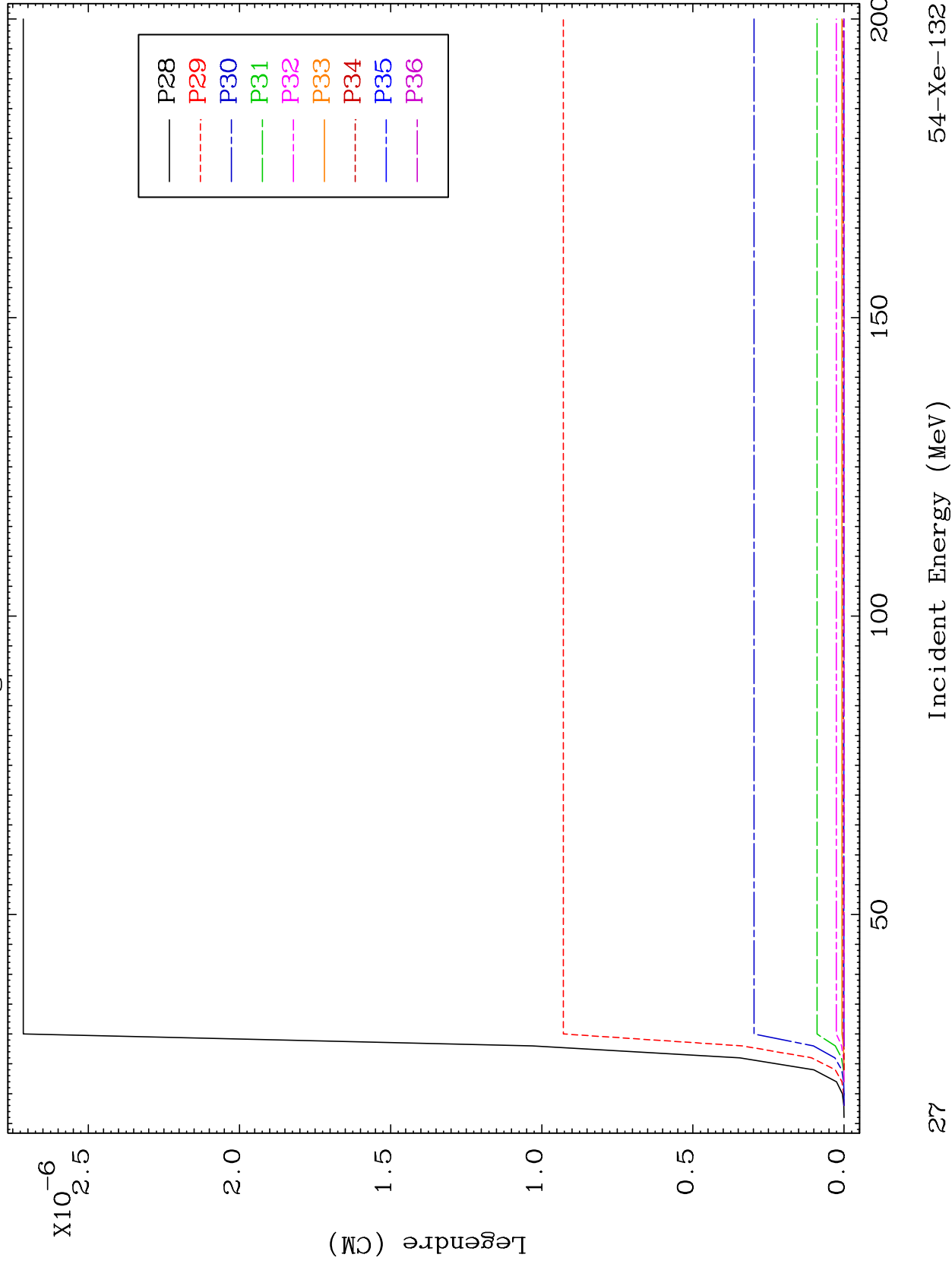
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



27

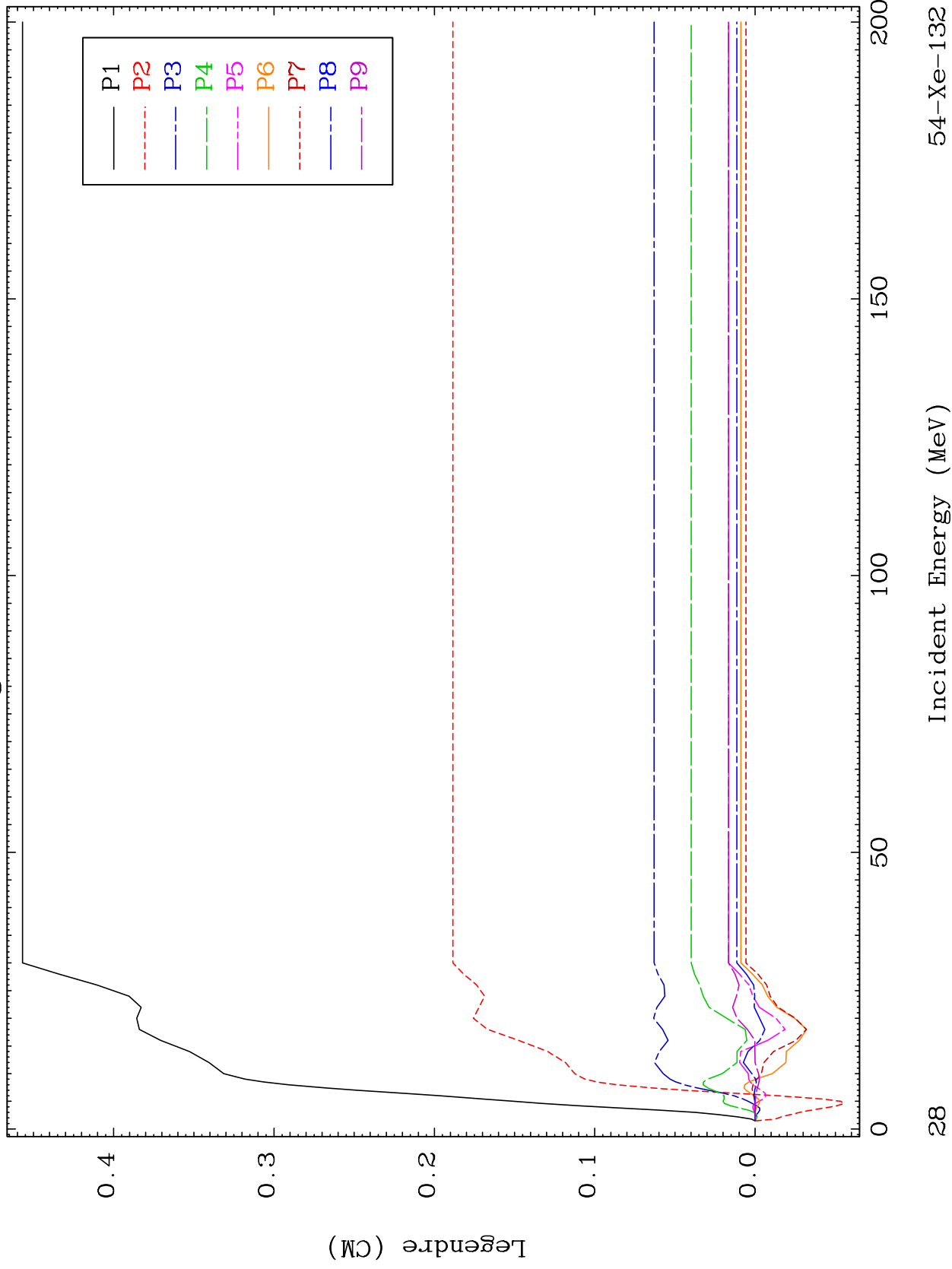
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



54-Xe-132

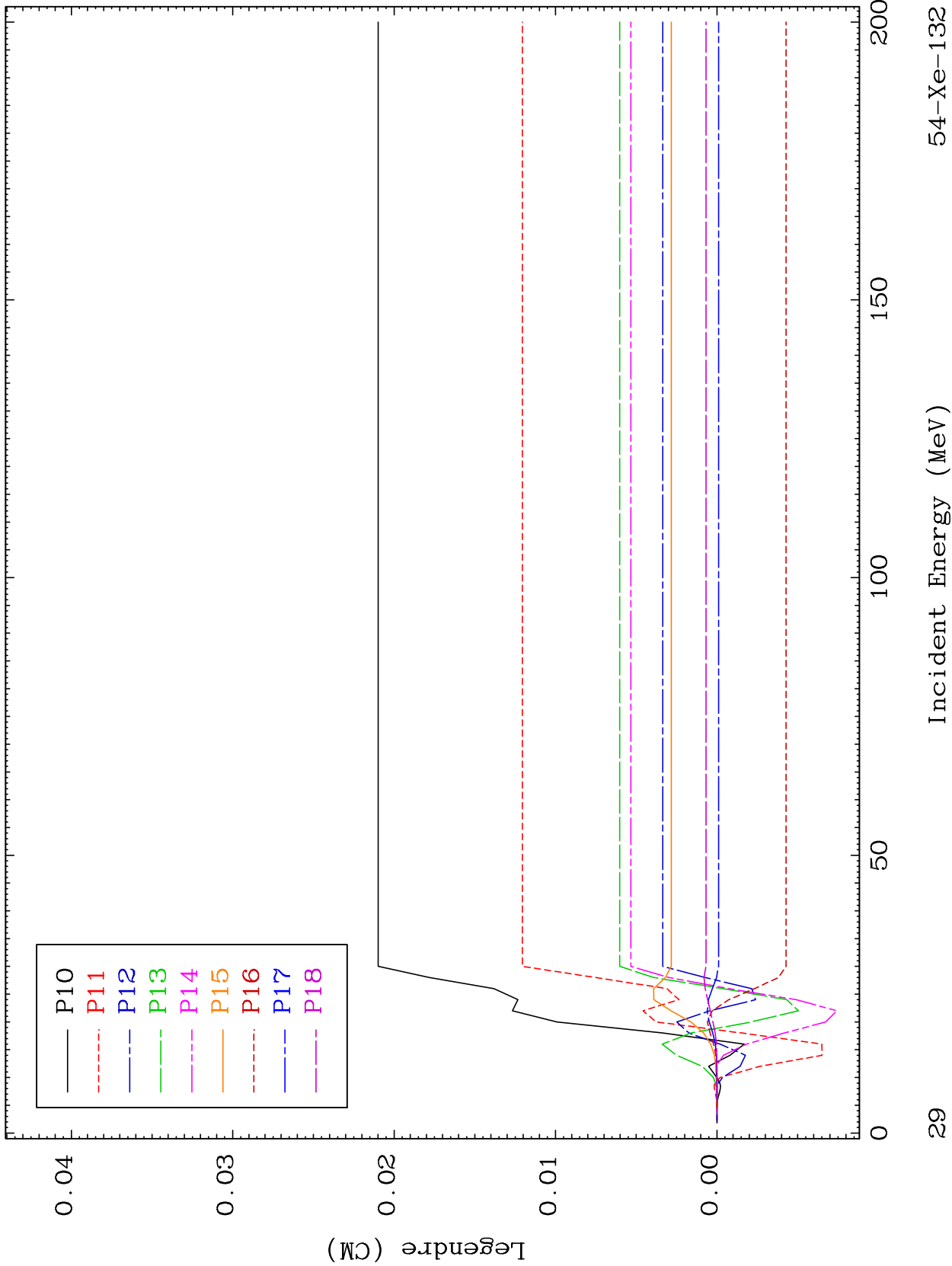
Incident Energy (MeV)

28

MAT 5449

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

54-Xe-132



29

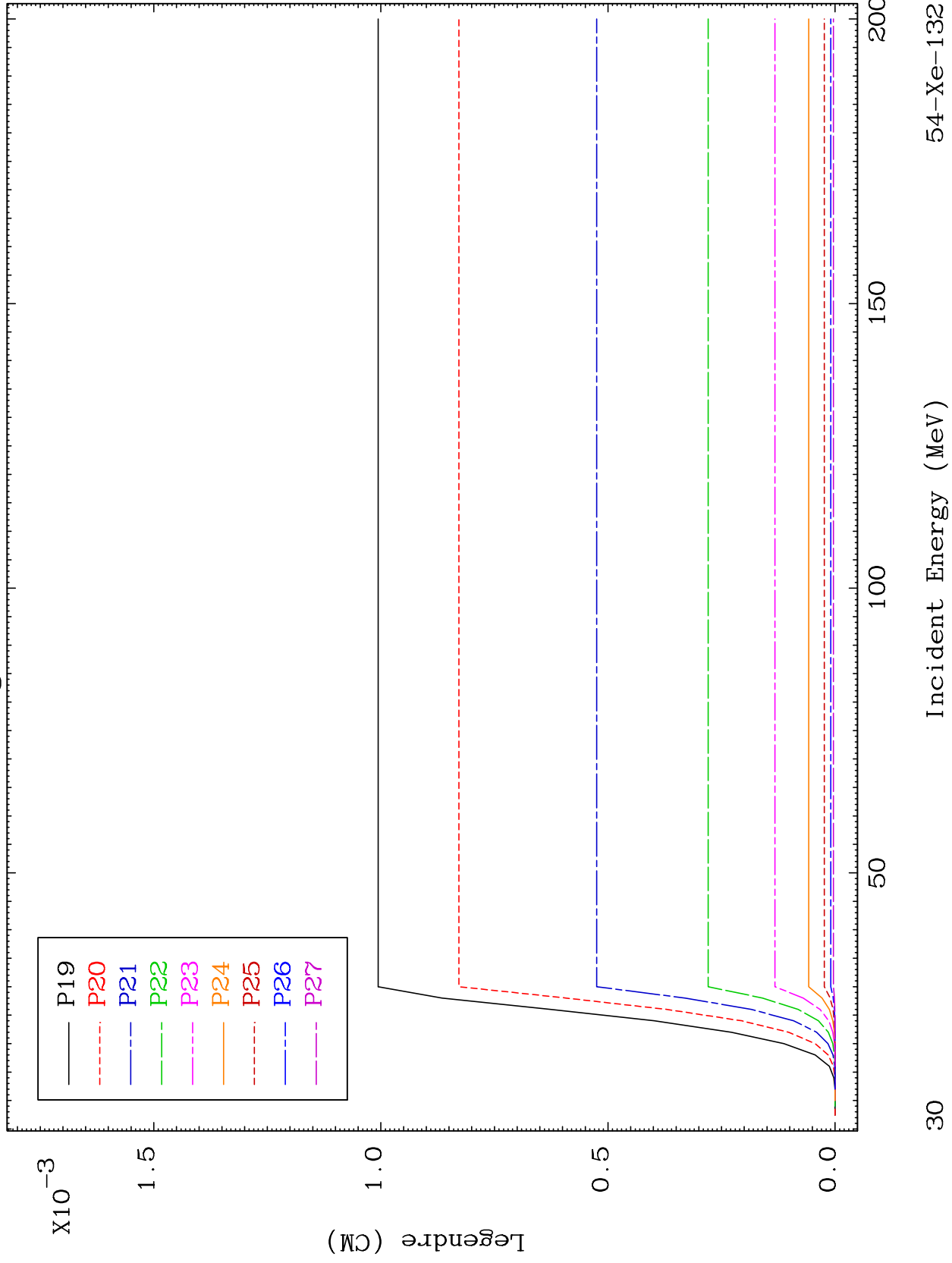
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



54-Xe-132

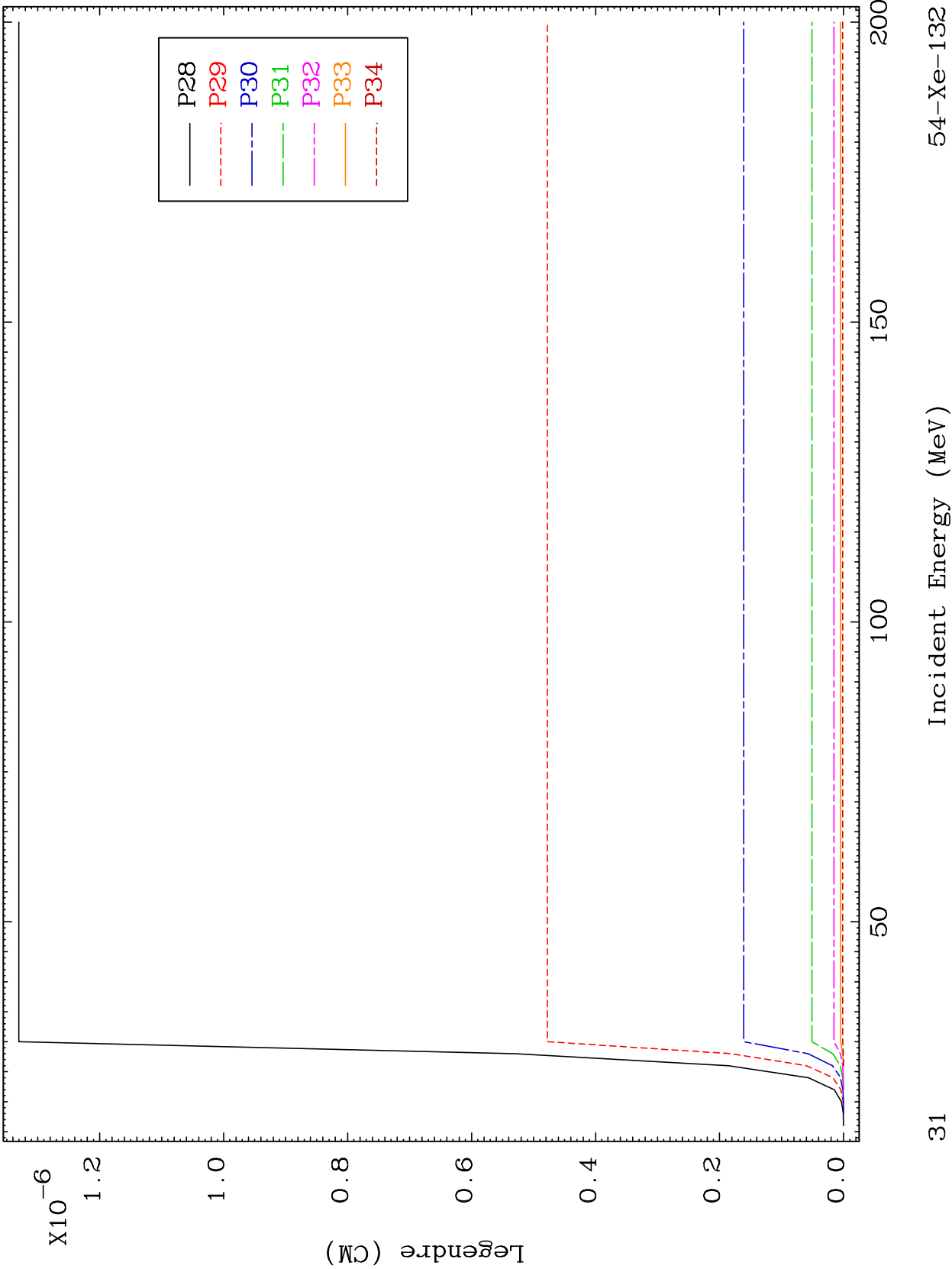
Incident Energy (MeV)

30

MAT 5449

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

54-Xe-132



31

Incident Energy (MeV)

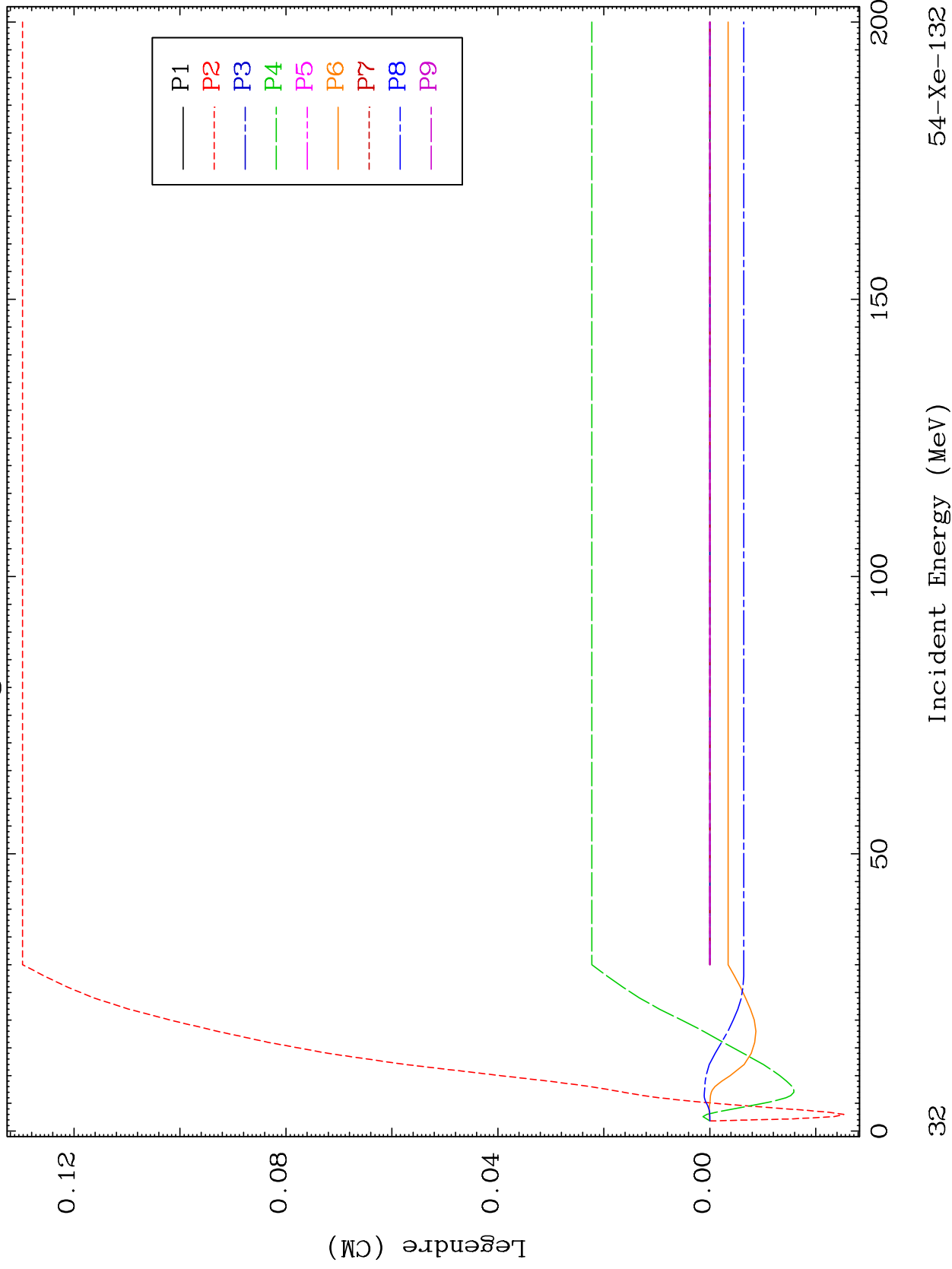
54-Xe-132



MAT 5449

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

54-Xe-132



54-Xe-132

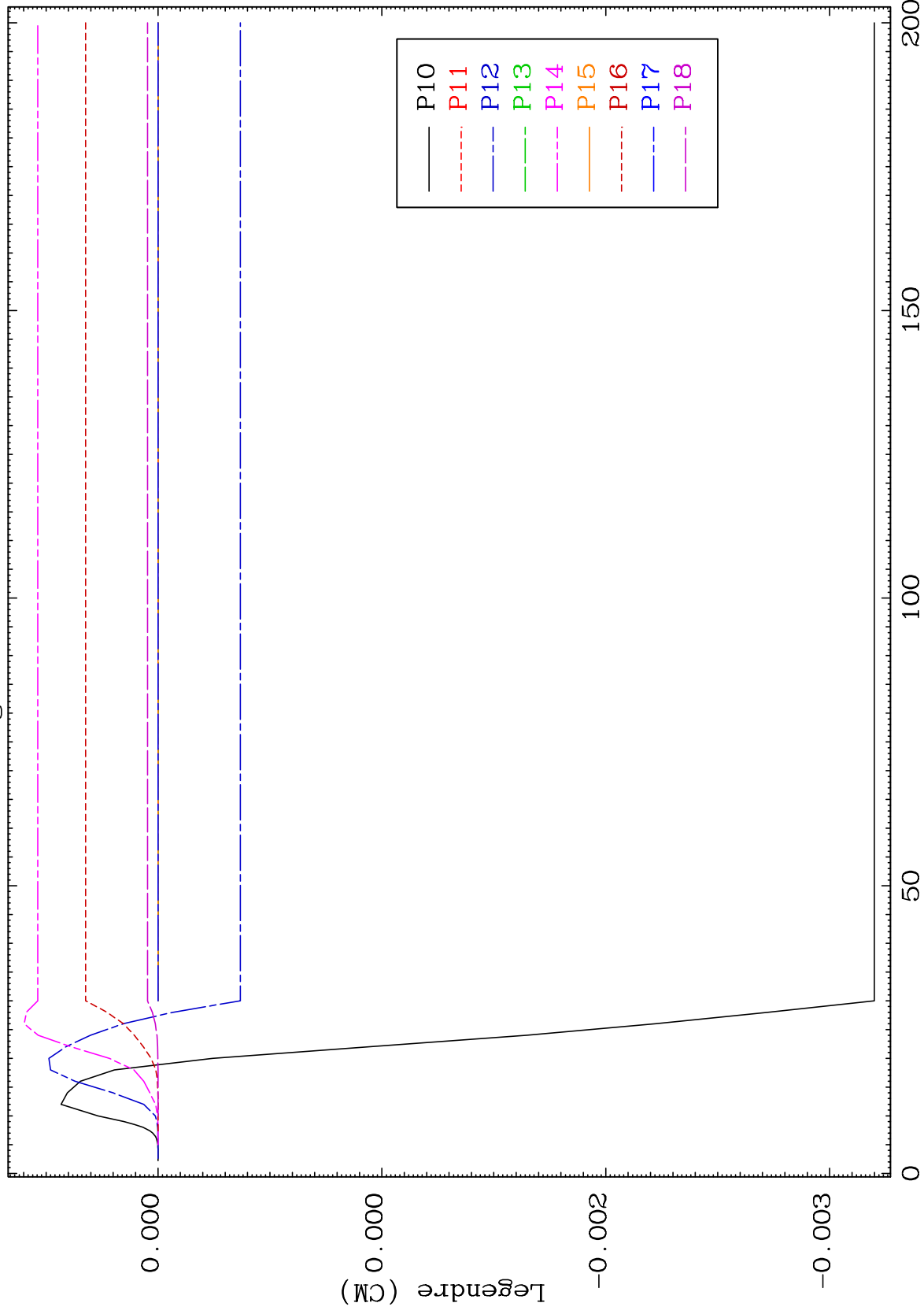
Incident Energy (MeV)

32

MAT 5449

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

54-Xe-132



33

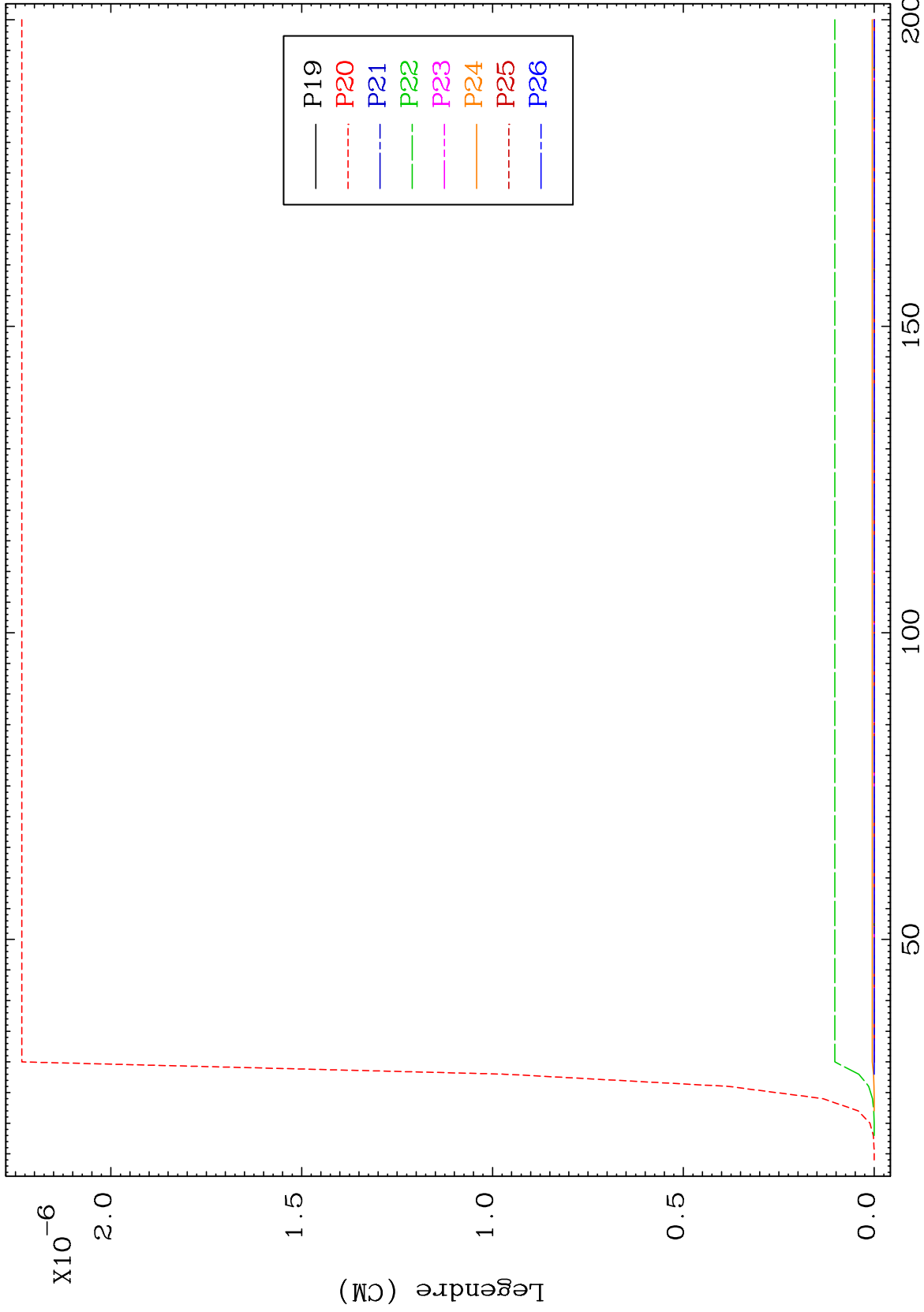
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

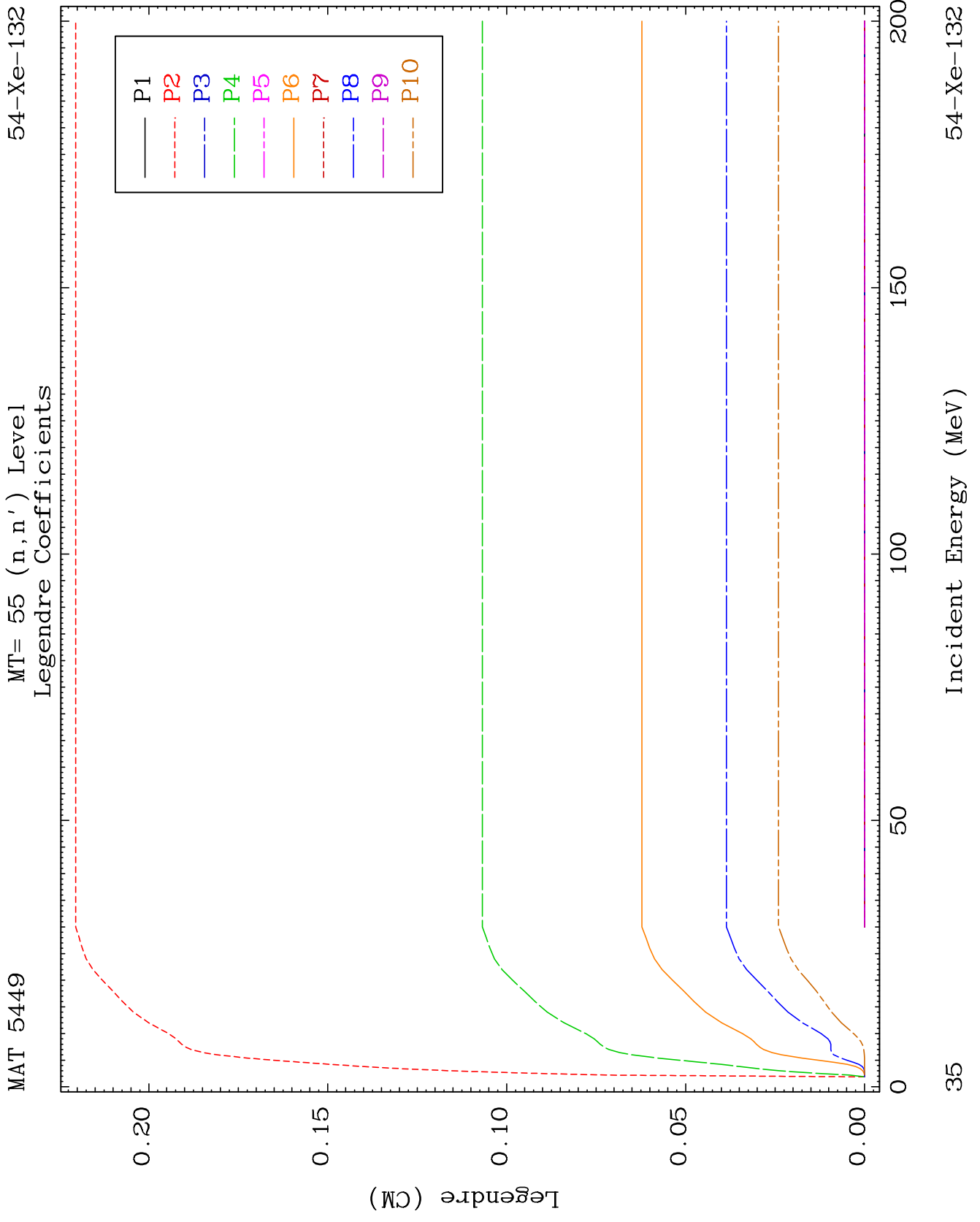
54-Xe-132



34

Incident Energy (MeV)

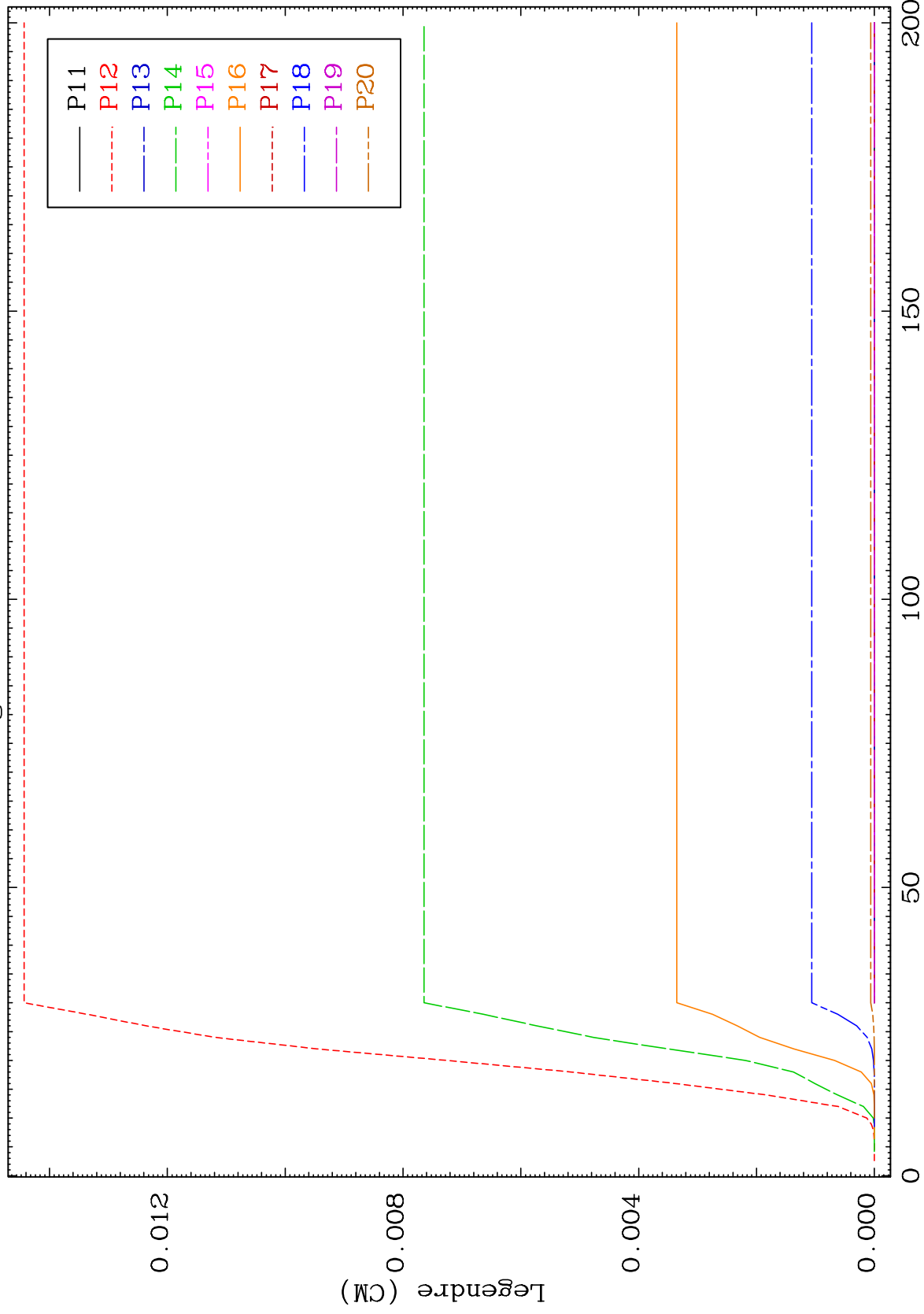
54-Xe-132



MAT 5449

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

54-Xe-132



36

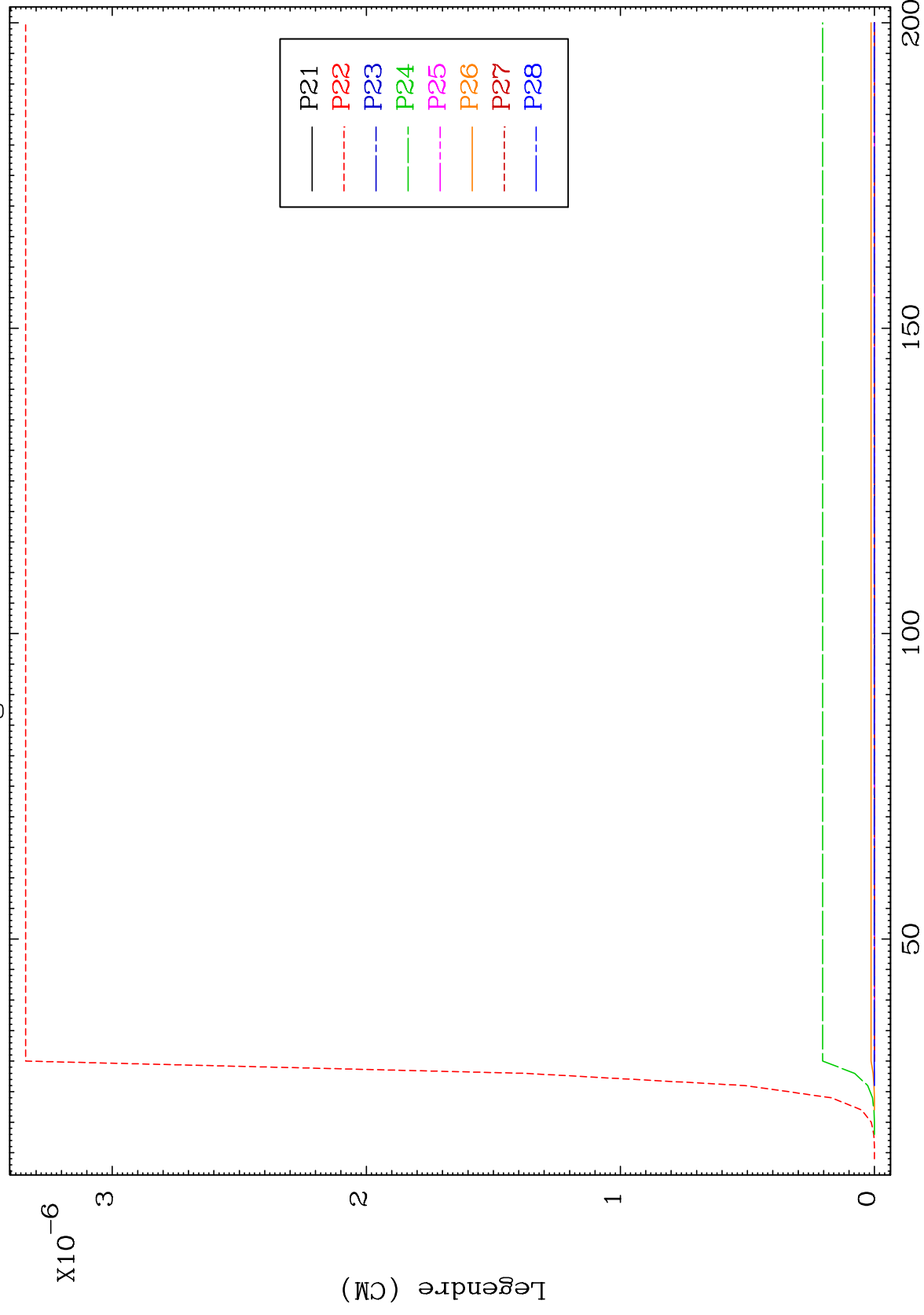
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



37

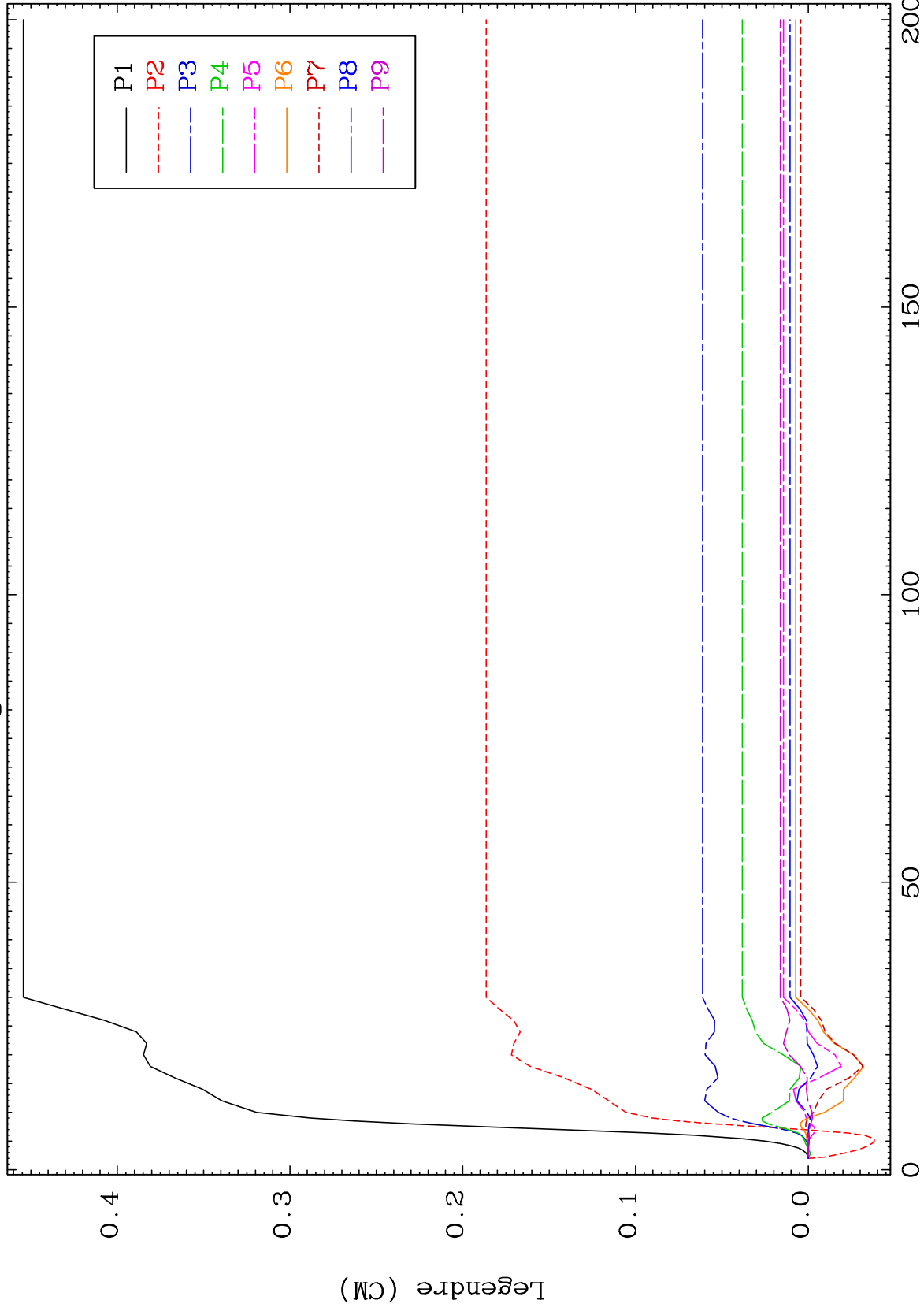
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



54-Xe-132

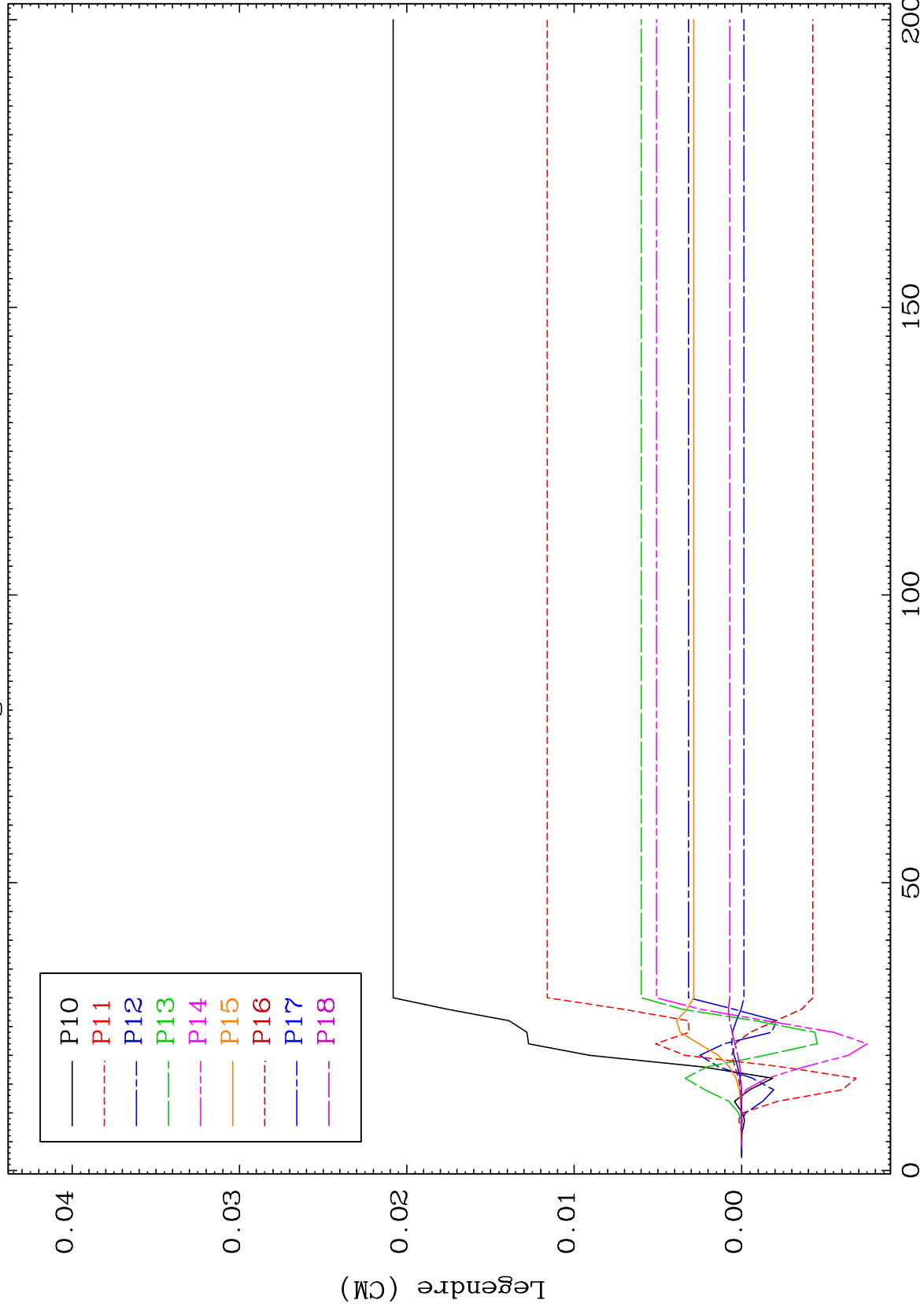
Incident Energy (MeV)

38

MAT 5449

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

54-Xe-132



39

Incident Energy (MeV)

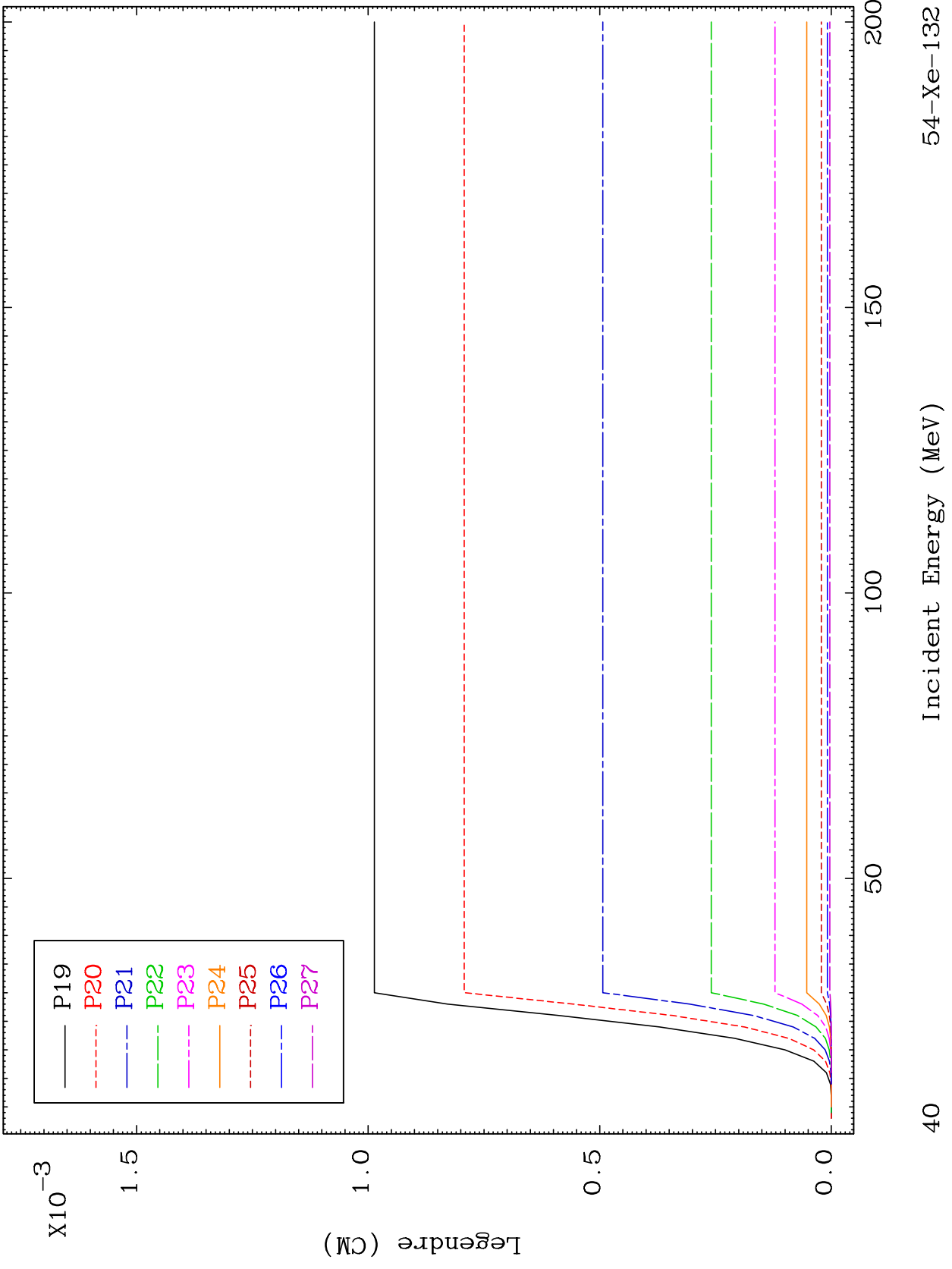
54-Xe-132



MAT 5449

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

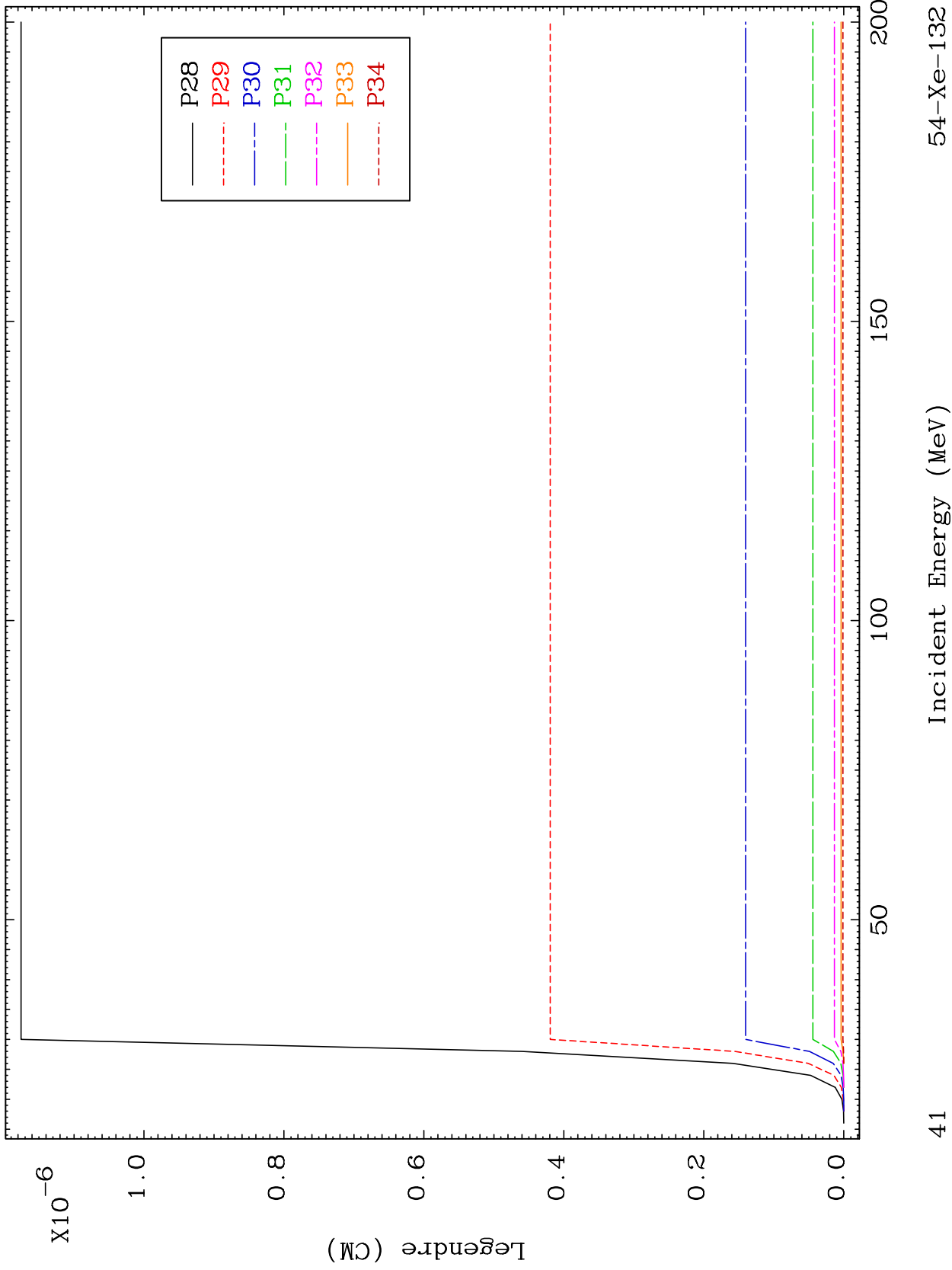
54-Xe-132



MAT 5449

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

54-Xe-132



41

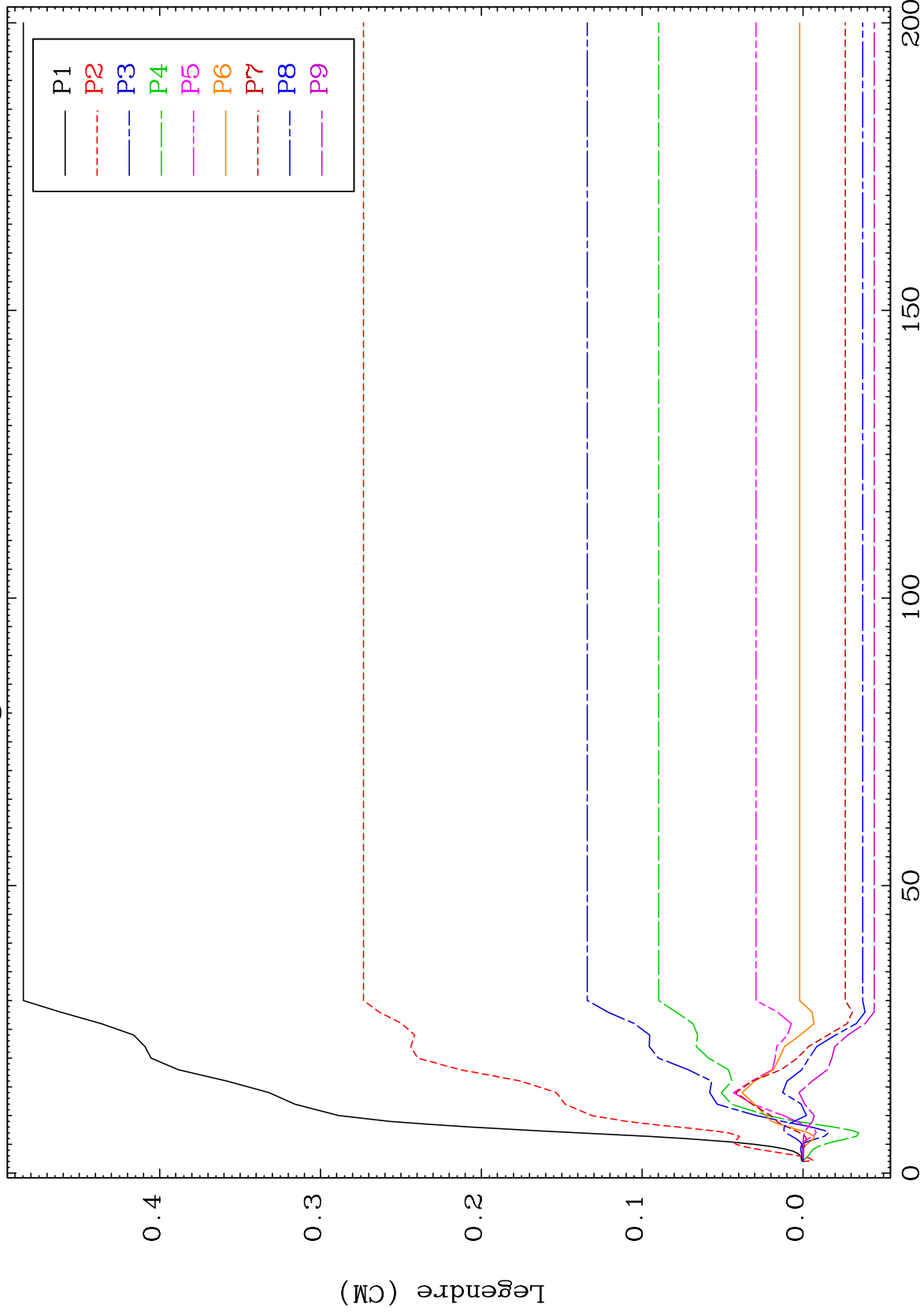
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



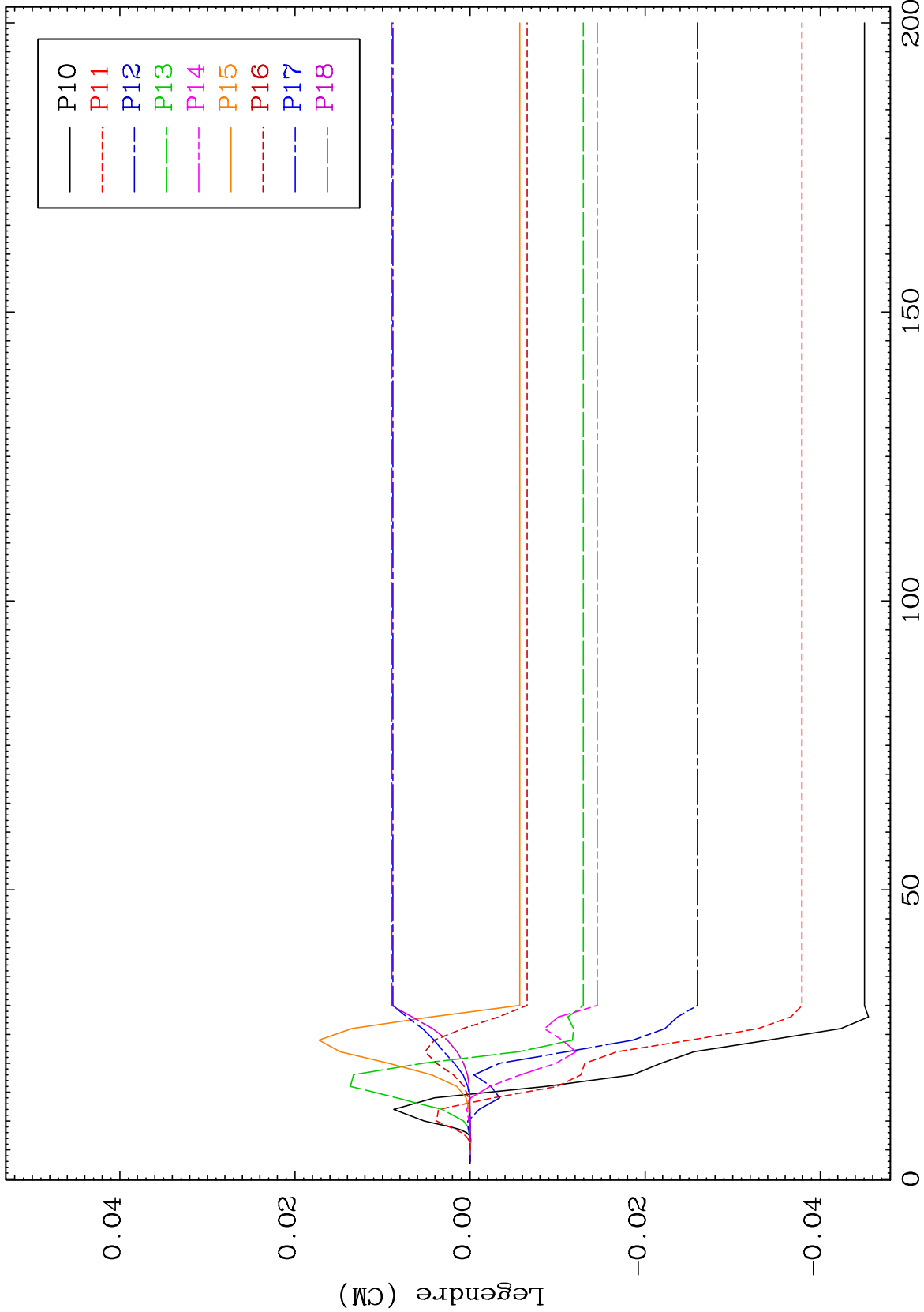
42

54-Xe-132

MAT 5449

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

54-Xe-132



43

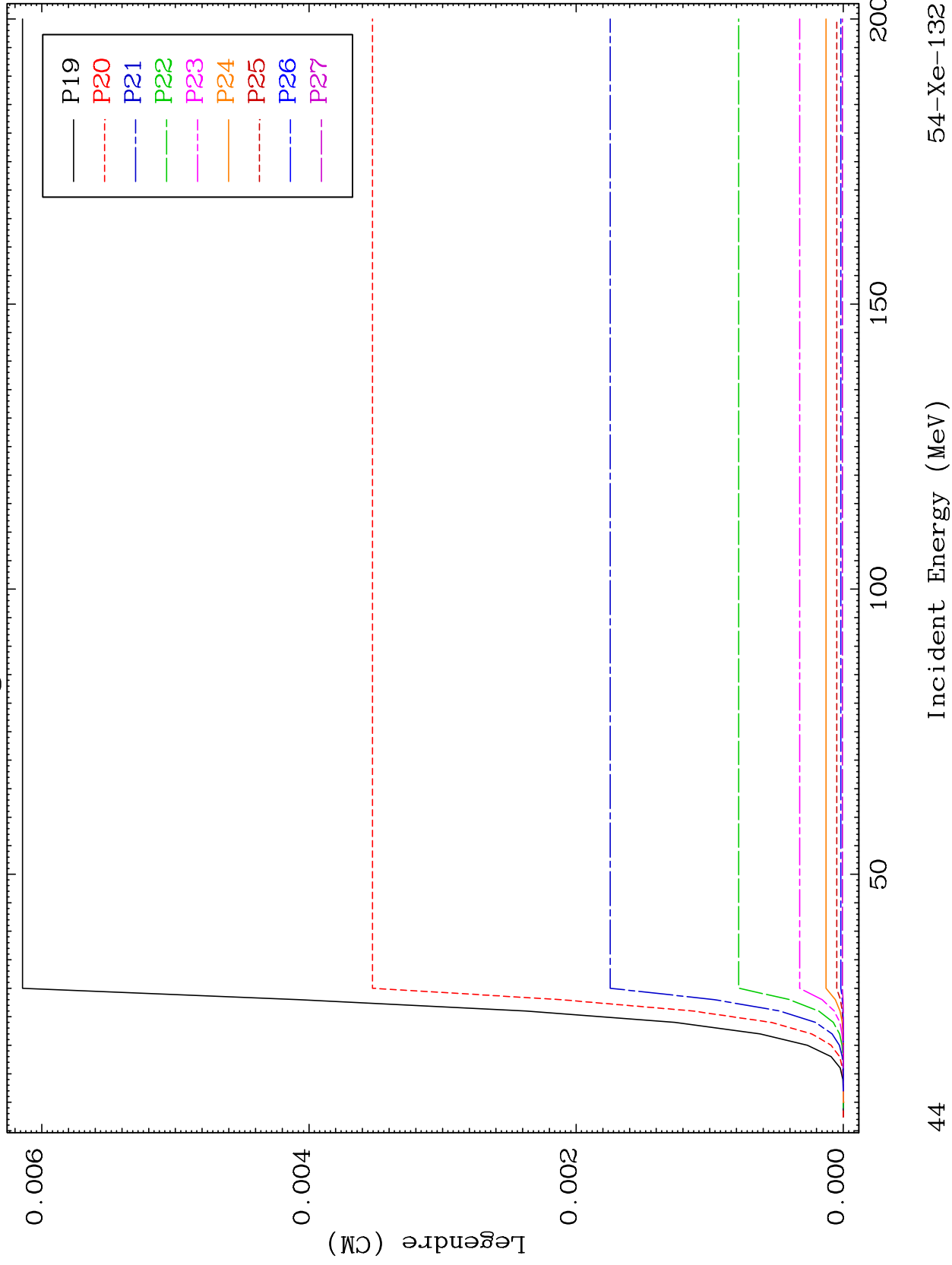
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



44

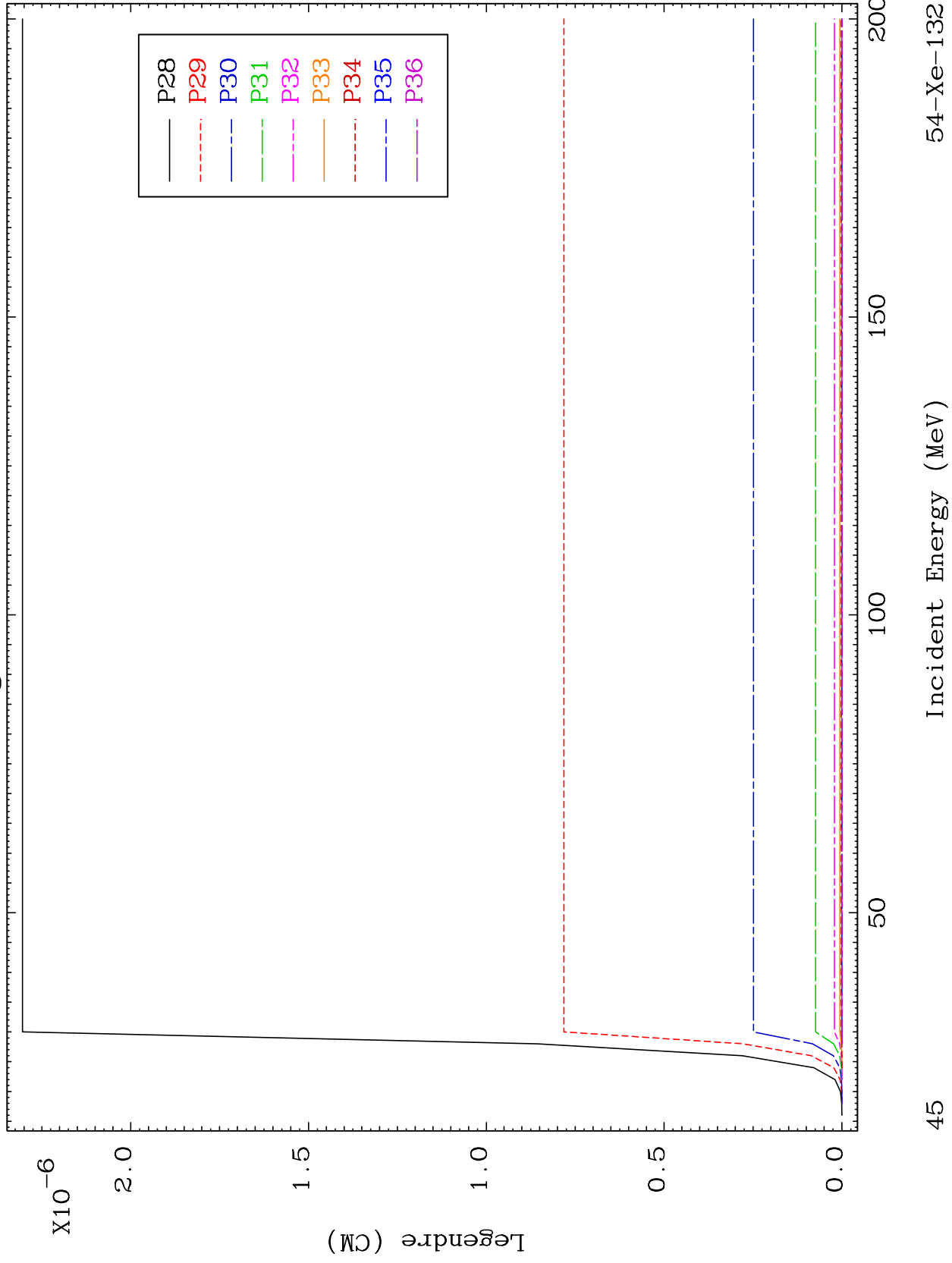
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



45

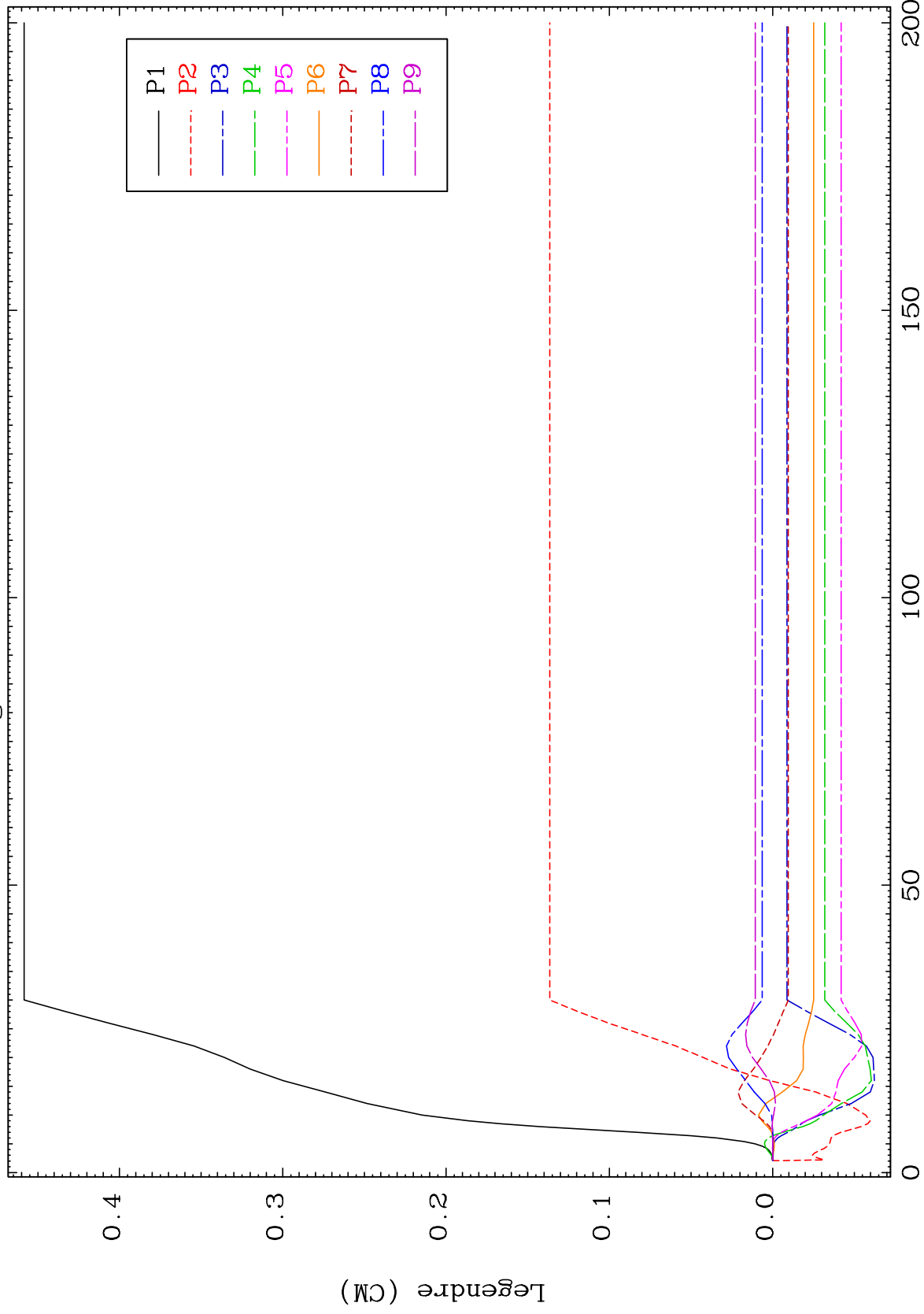
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



54-Xe-132

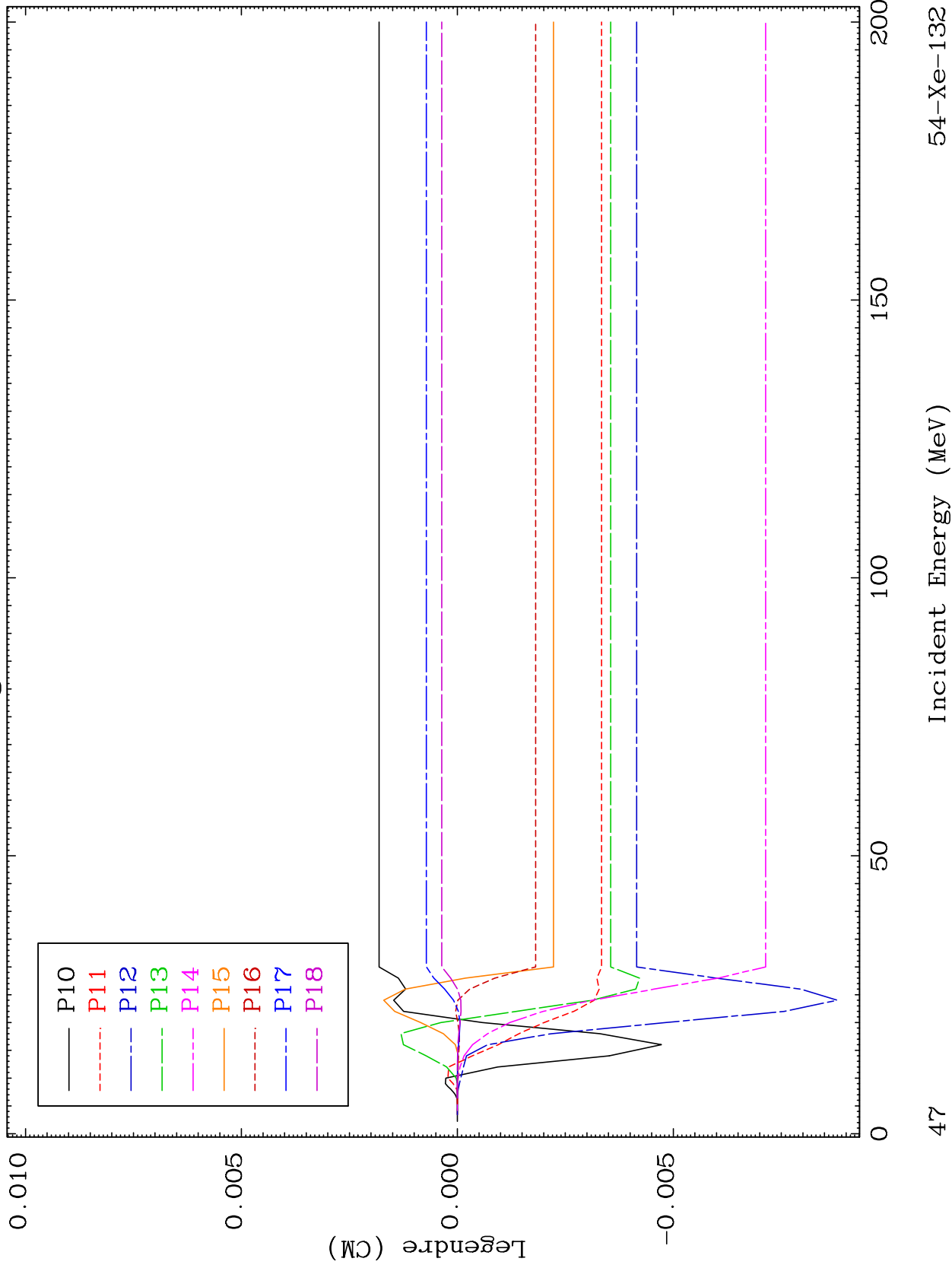
Incident Energy (MeV)

46

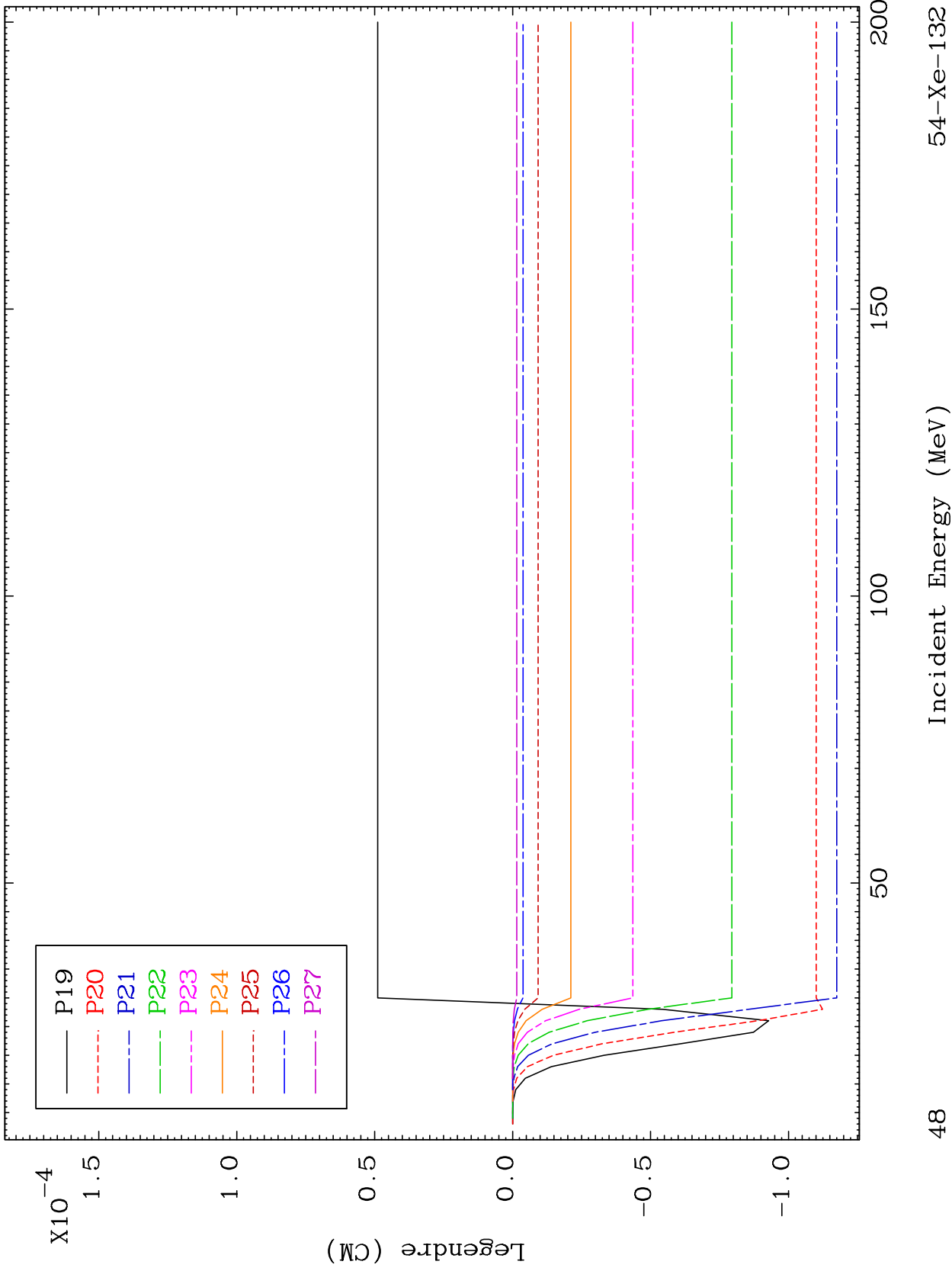
MAT 5449

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

54-Xe-132





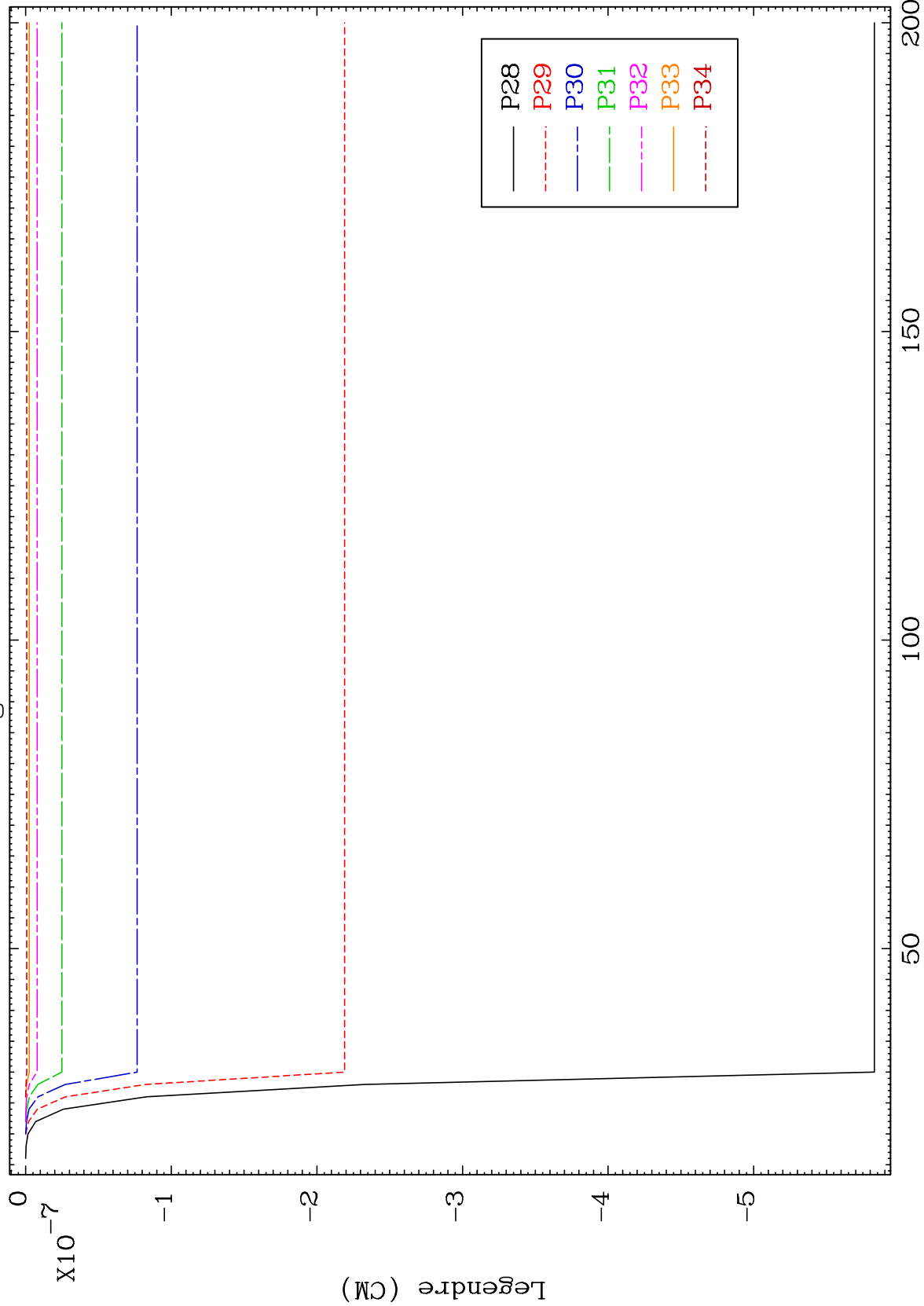


MAT 5449

MT= 58 (n,n') Level

54-Xe-132

Legendre Coefficients



49

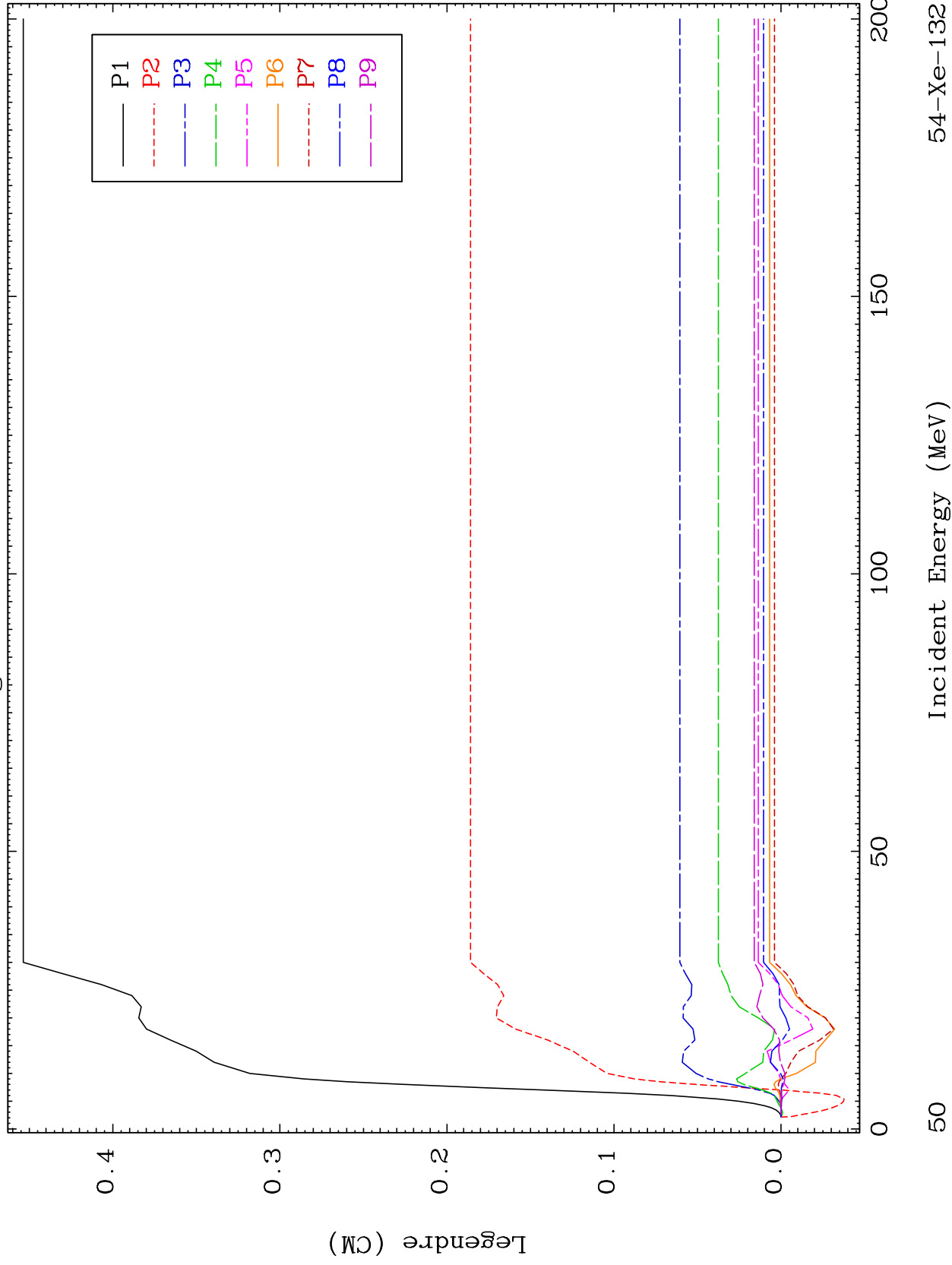
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132

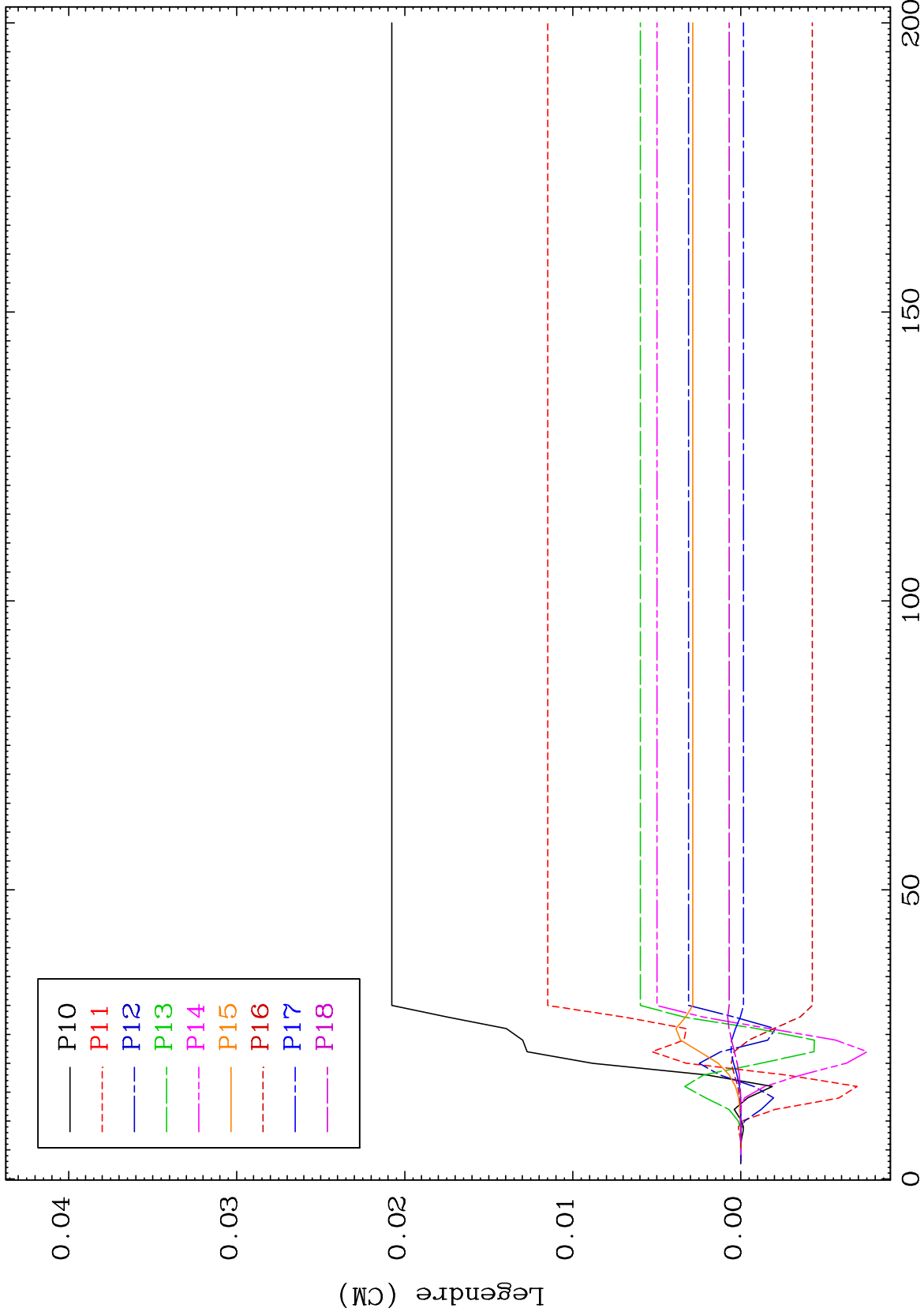


54-Xe-132

MAT 5449

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

54-Xe-132



51

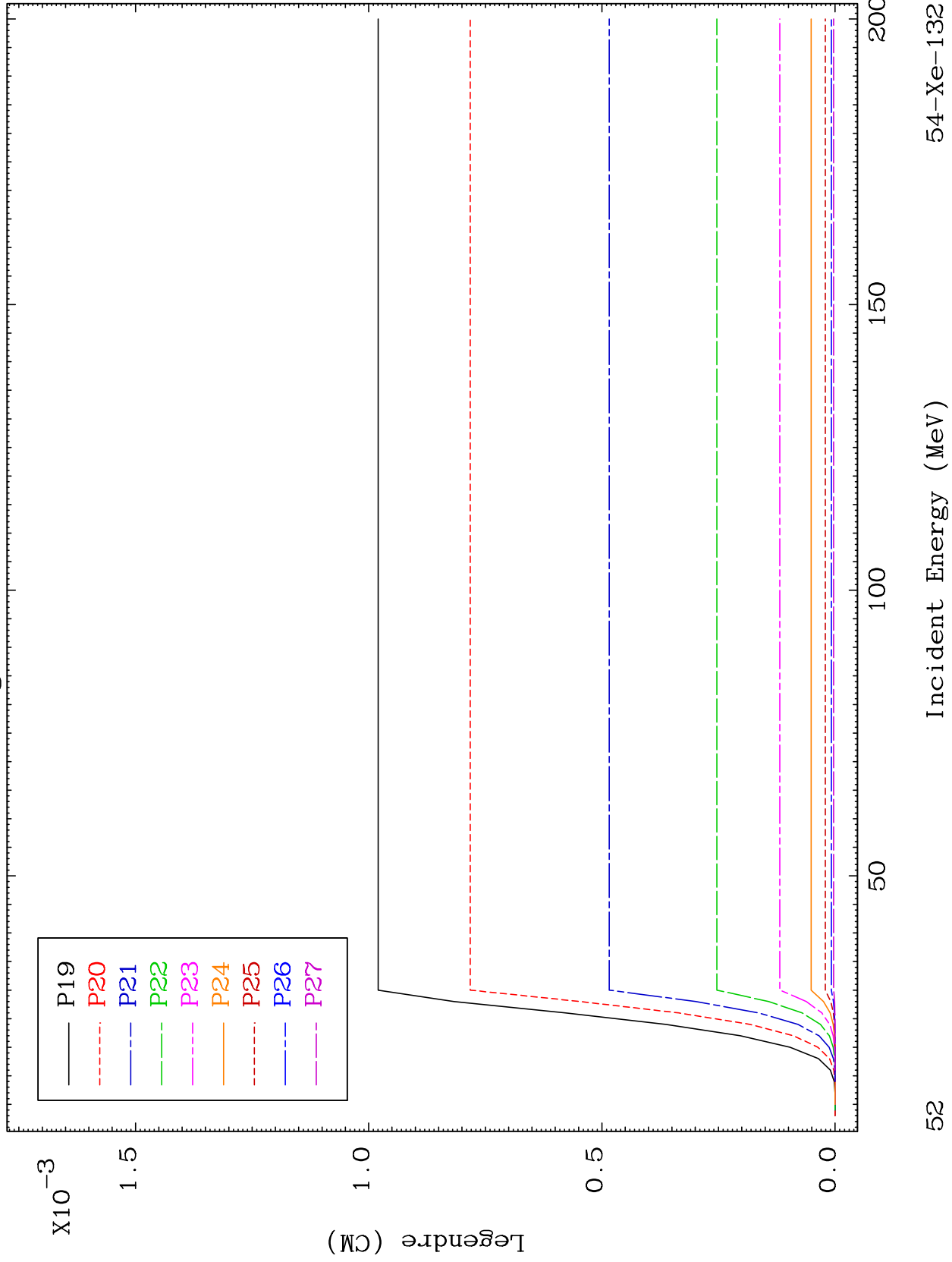
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



52

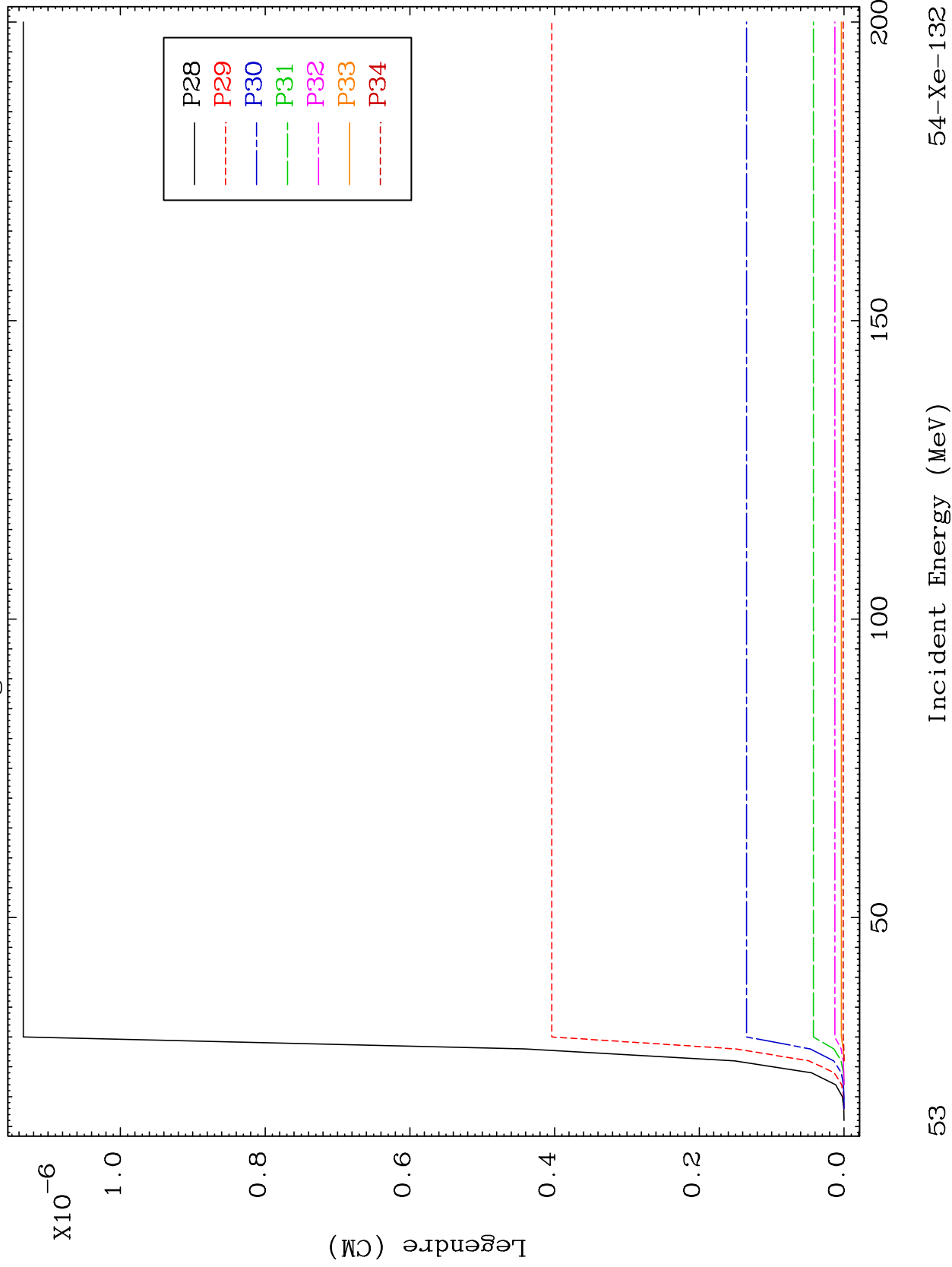
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



53

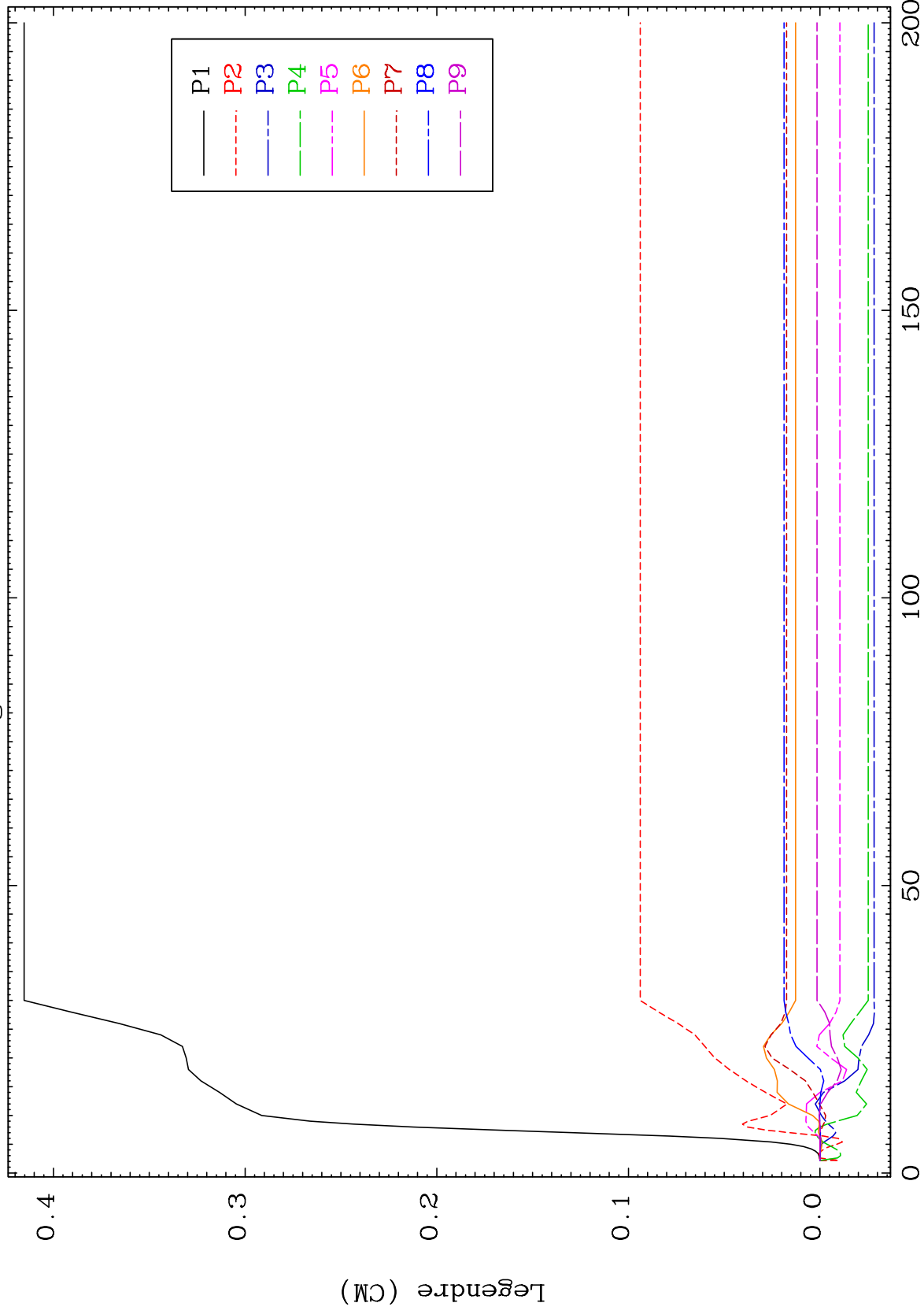
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



54

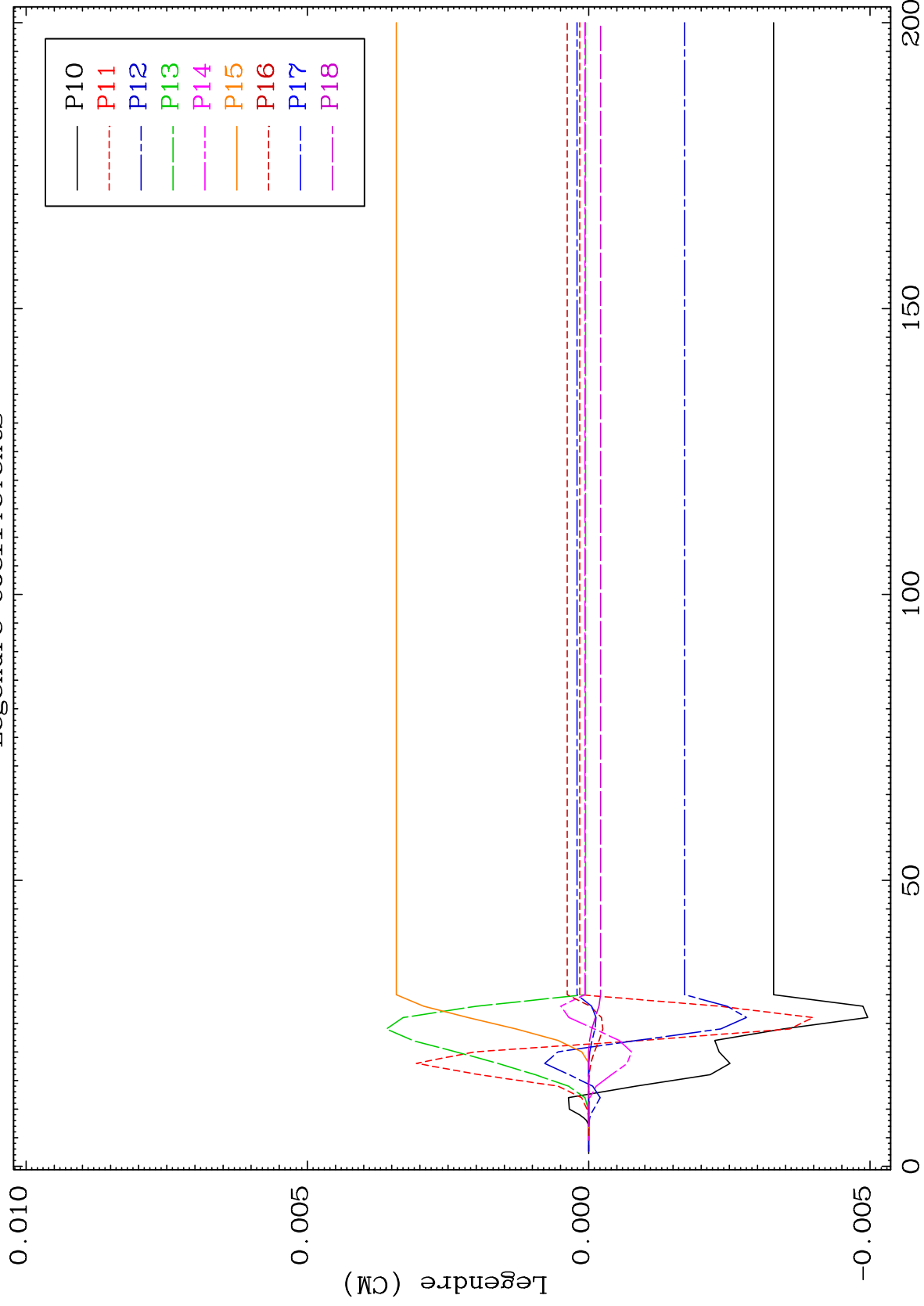
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



55

Incident Energy (MeV)

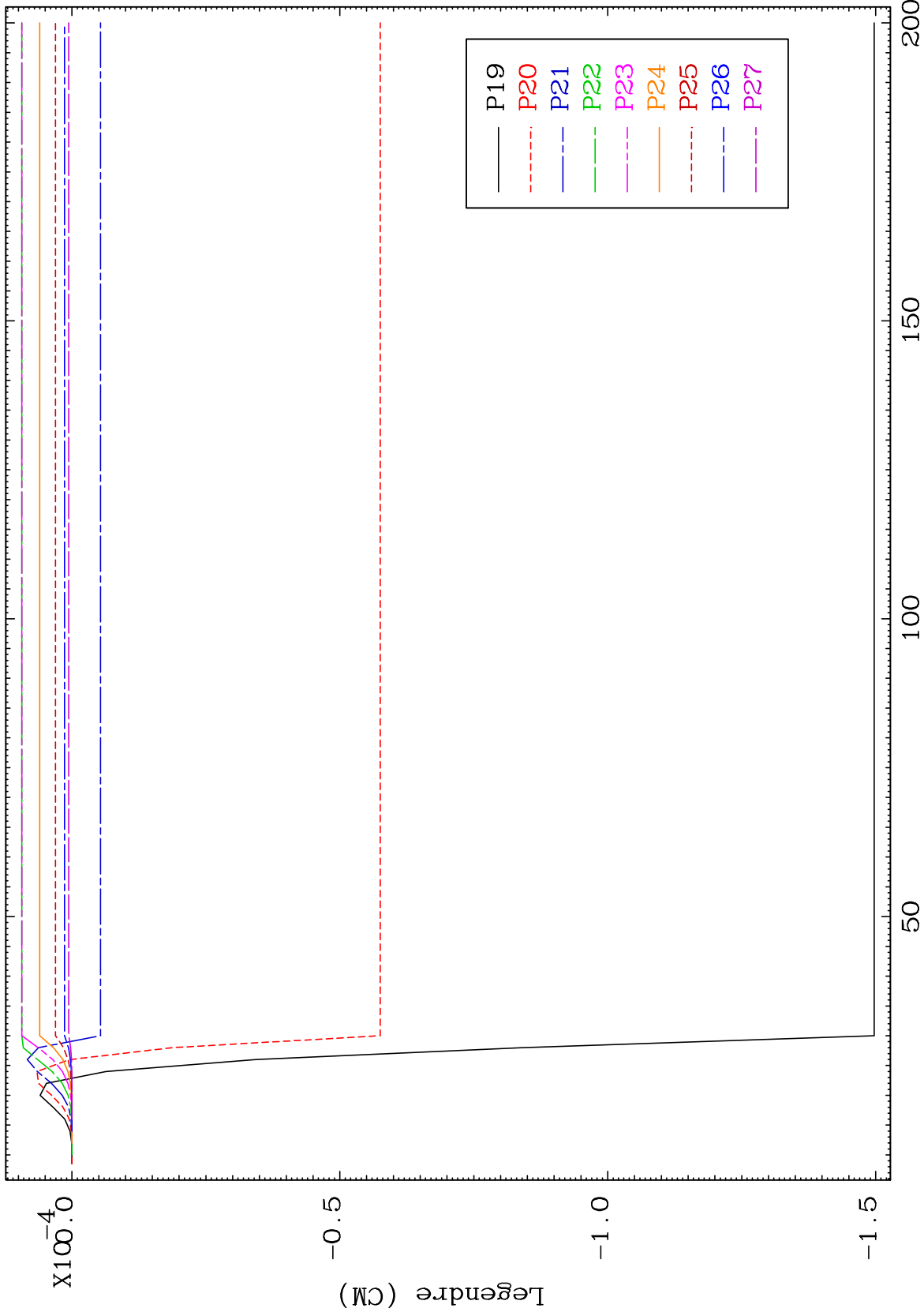
54-Xe-132



MAT 5449

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

54-Xe-132



56

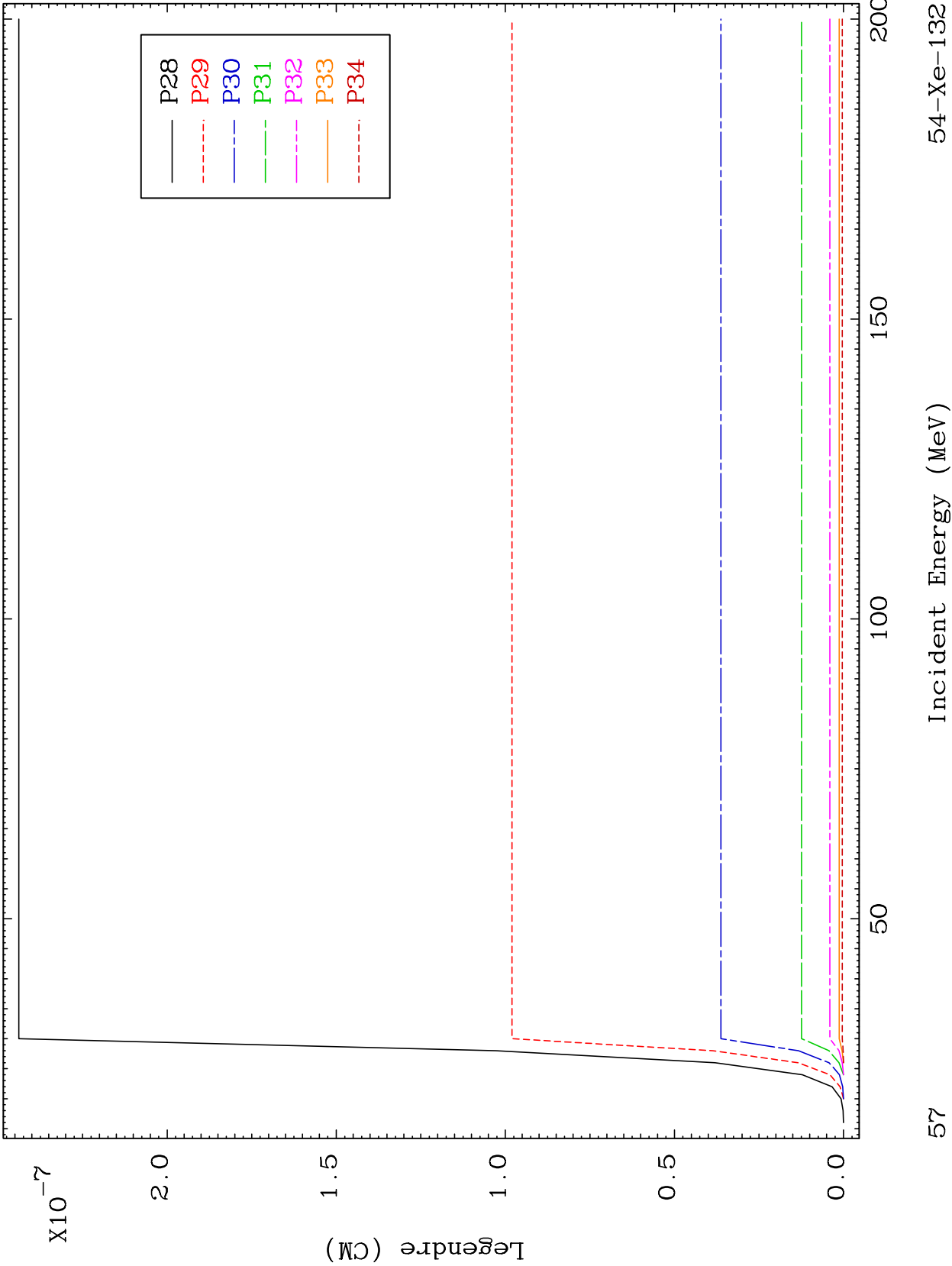
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



57

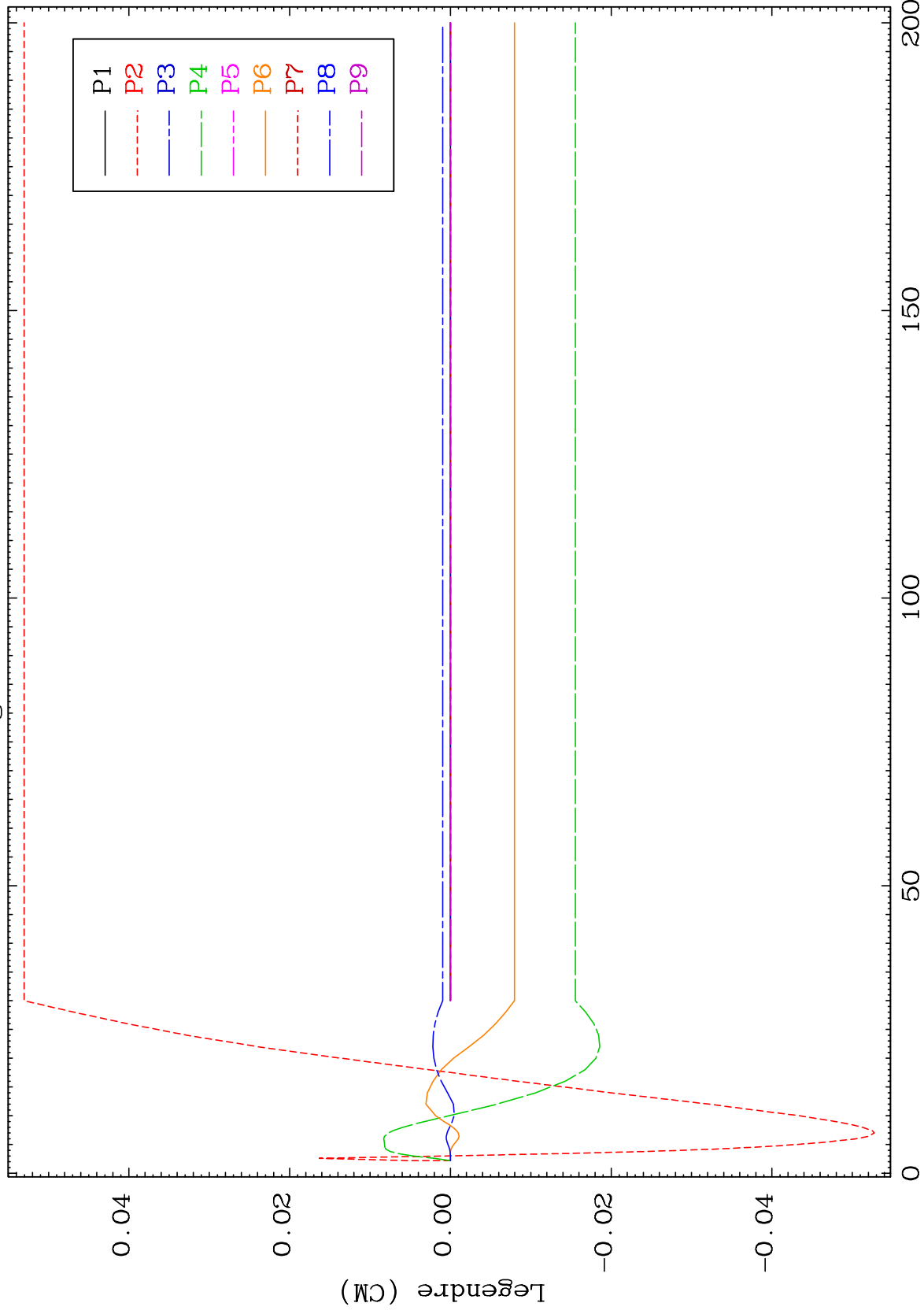
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



58

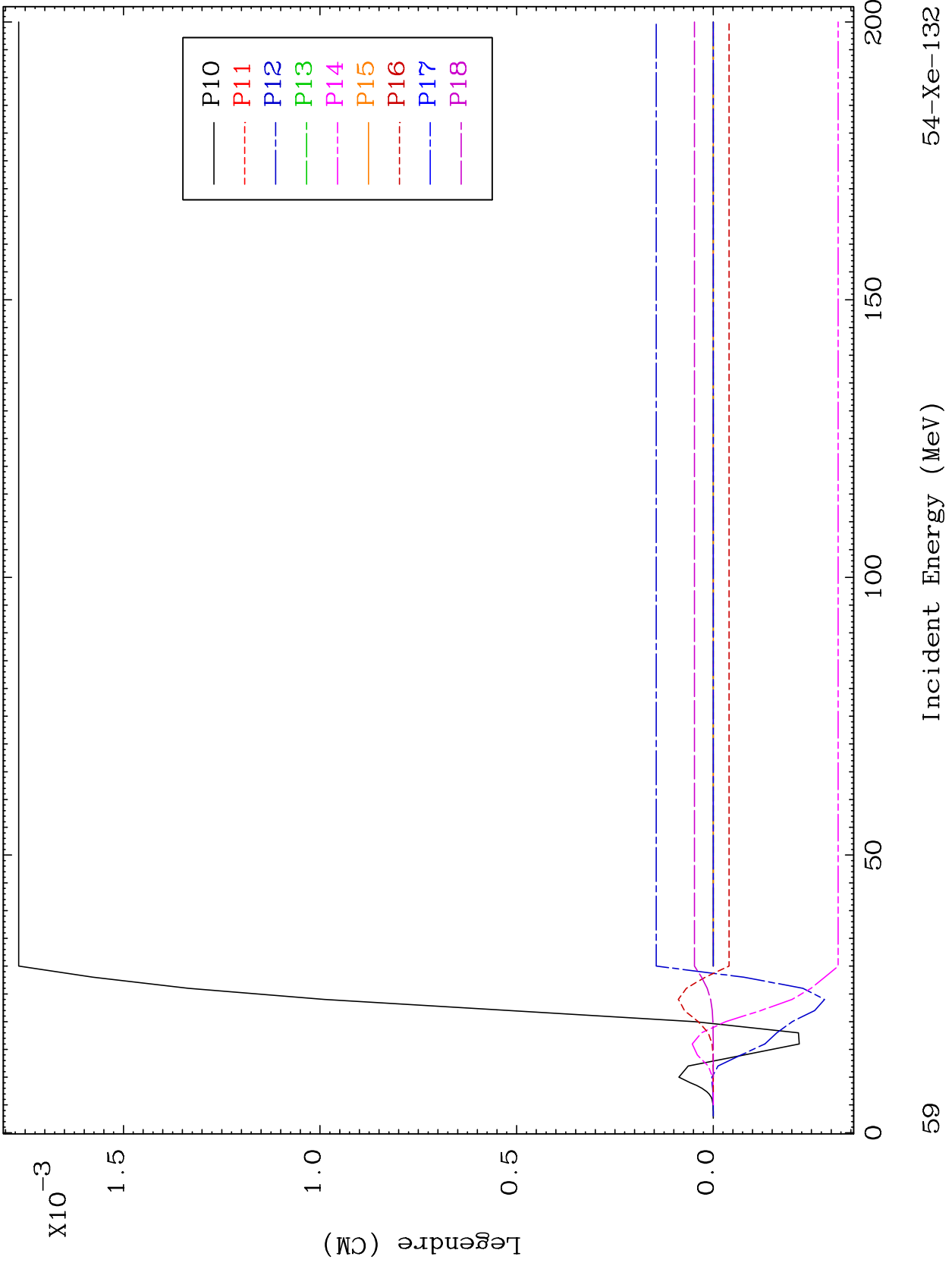
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



54-Xe-132

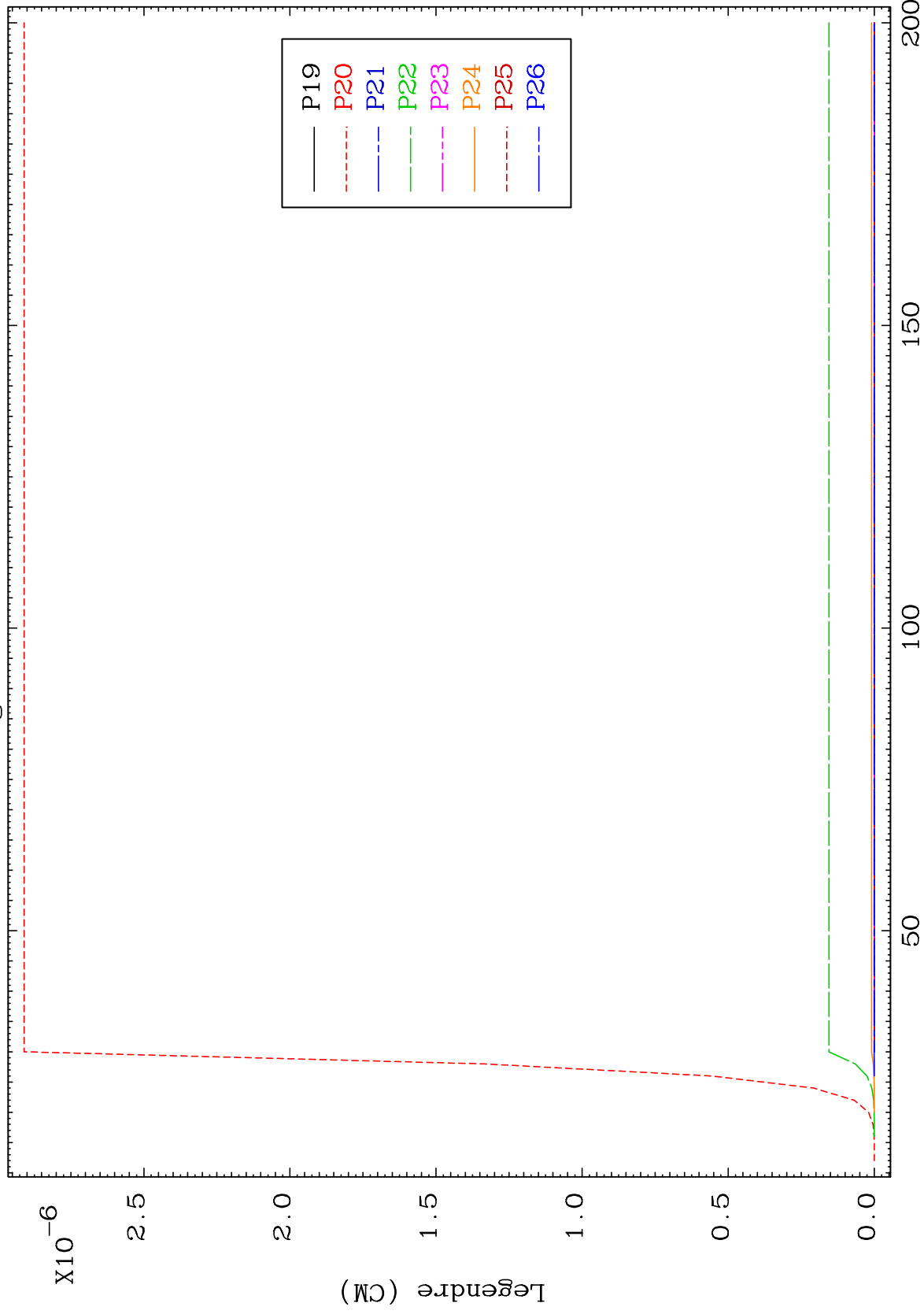
Incident Energy (MeV)

59

MAT 5449

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

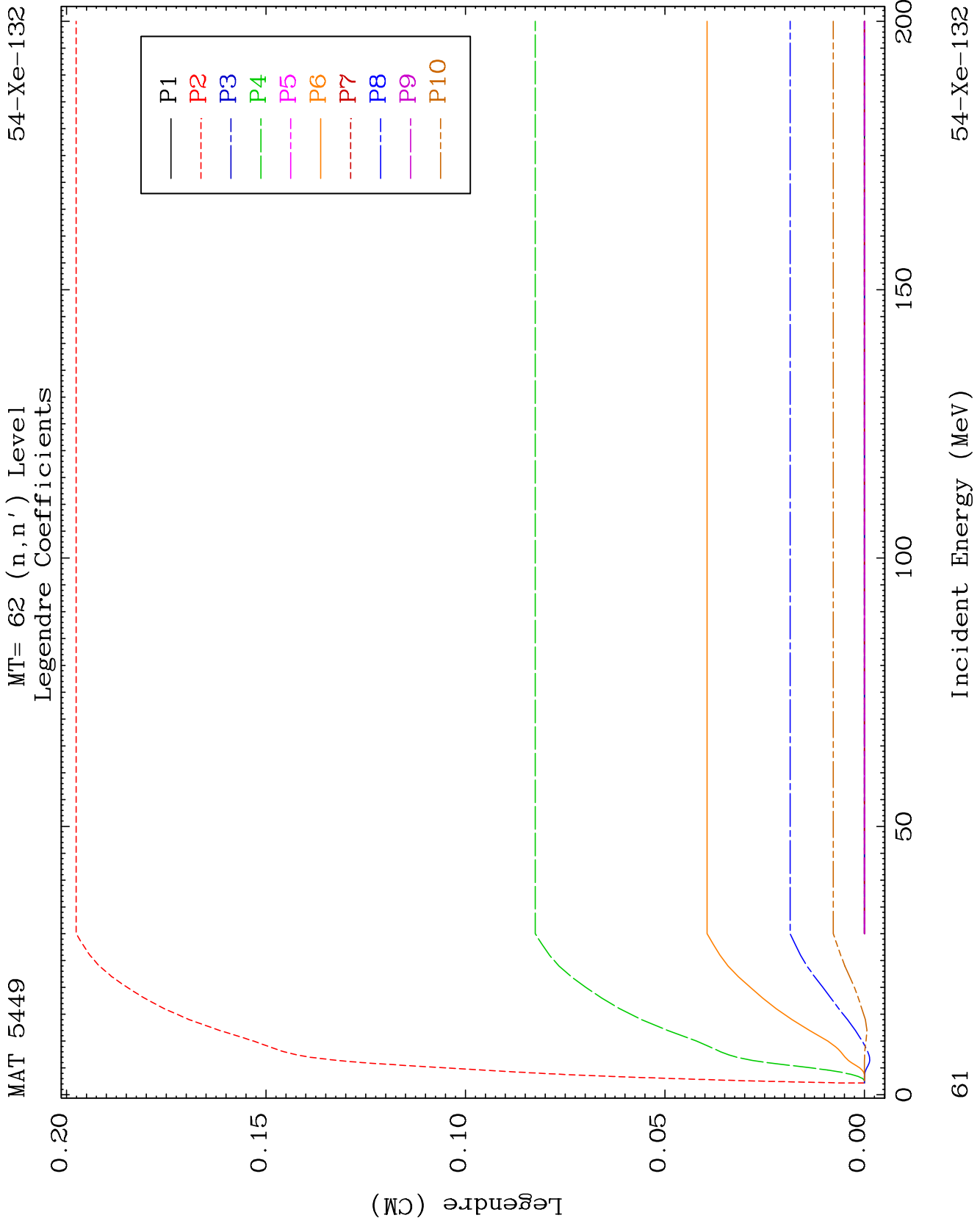
54-Xe-132



60

Incident Energy (MeV)

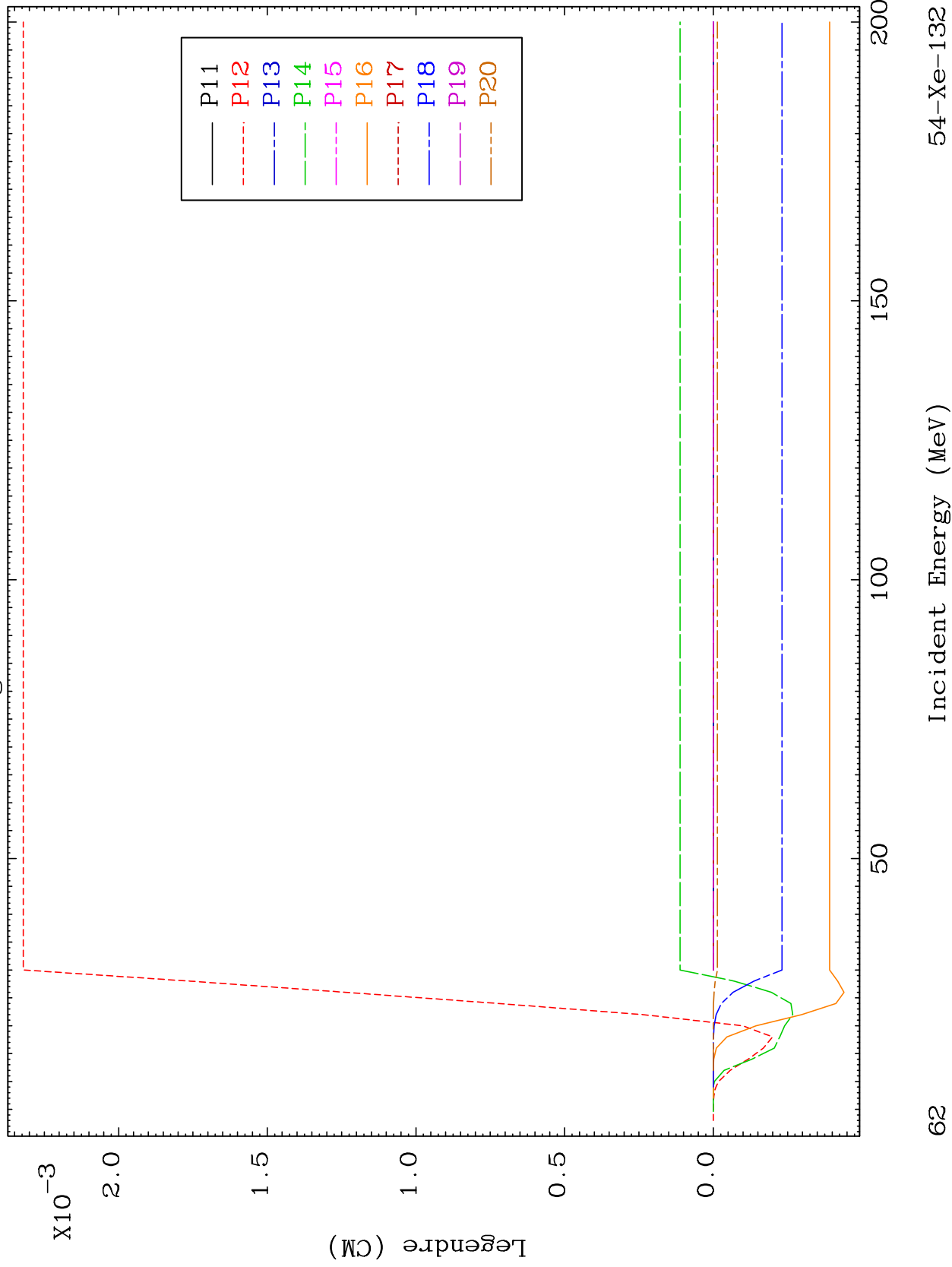
54-Xe-132



MAT 5449

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

54-Xe-132



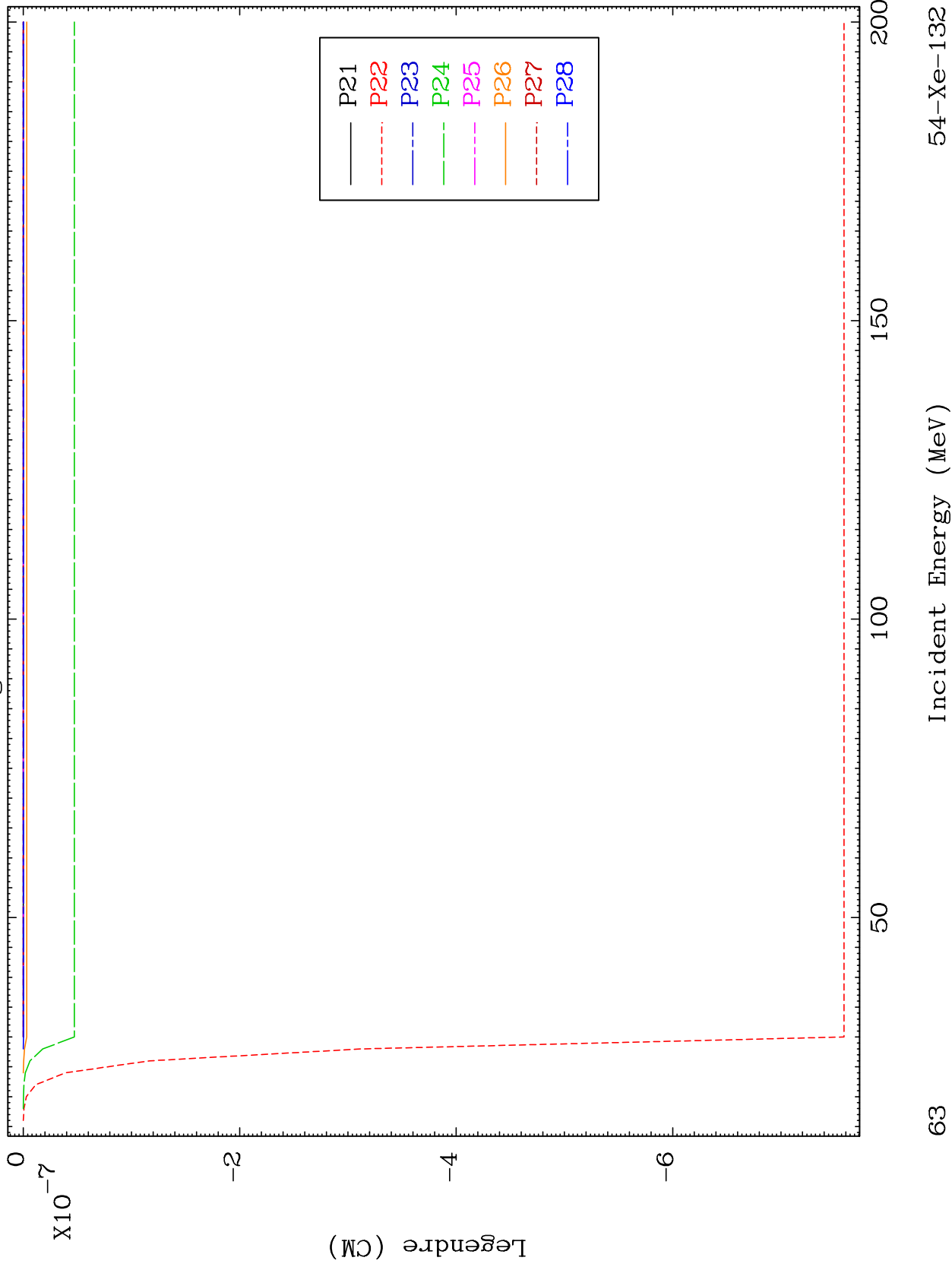
62

54-Xe-132

MAT 5449

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

54-Xe-132

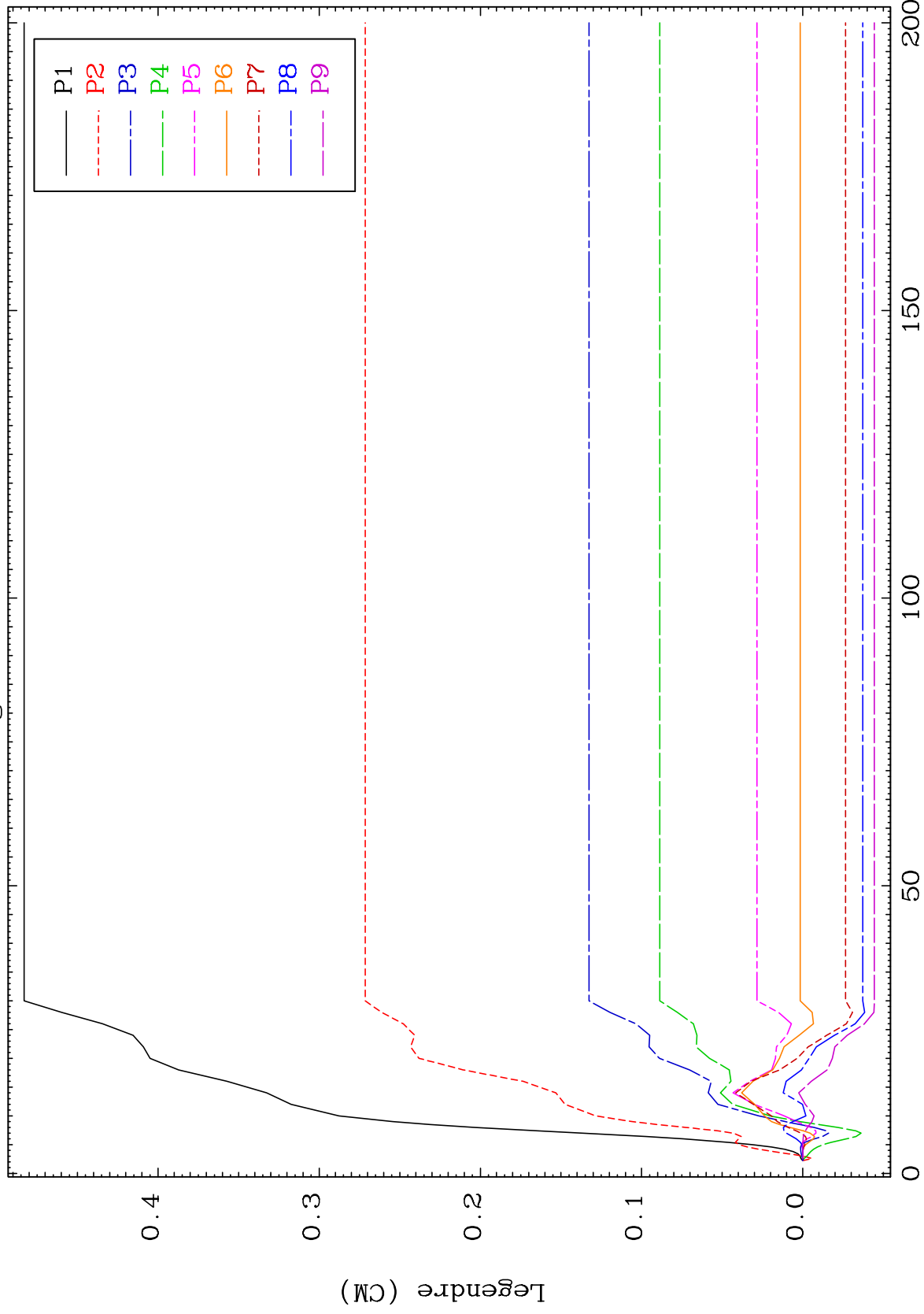




MAT 5449

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

54-Xe-132



64

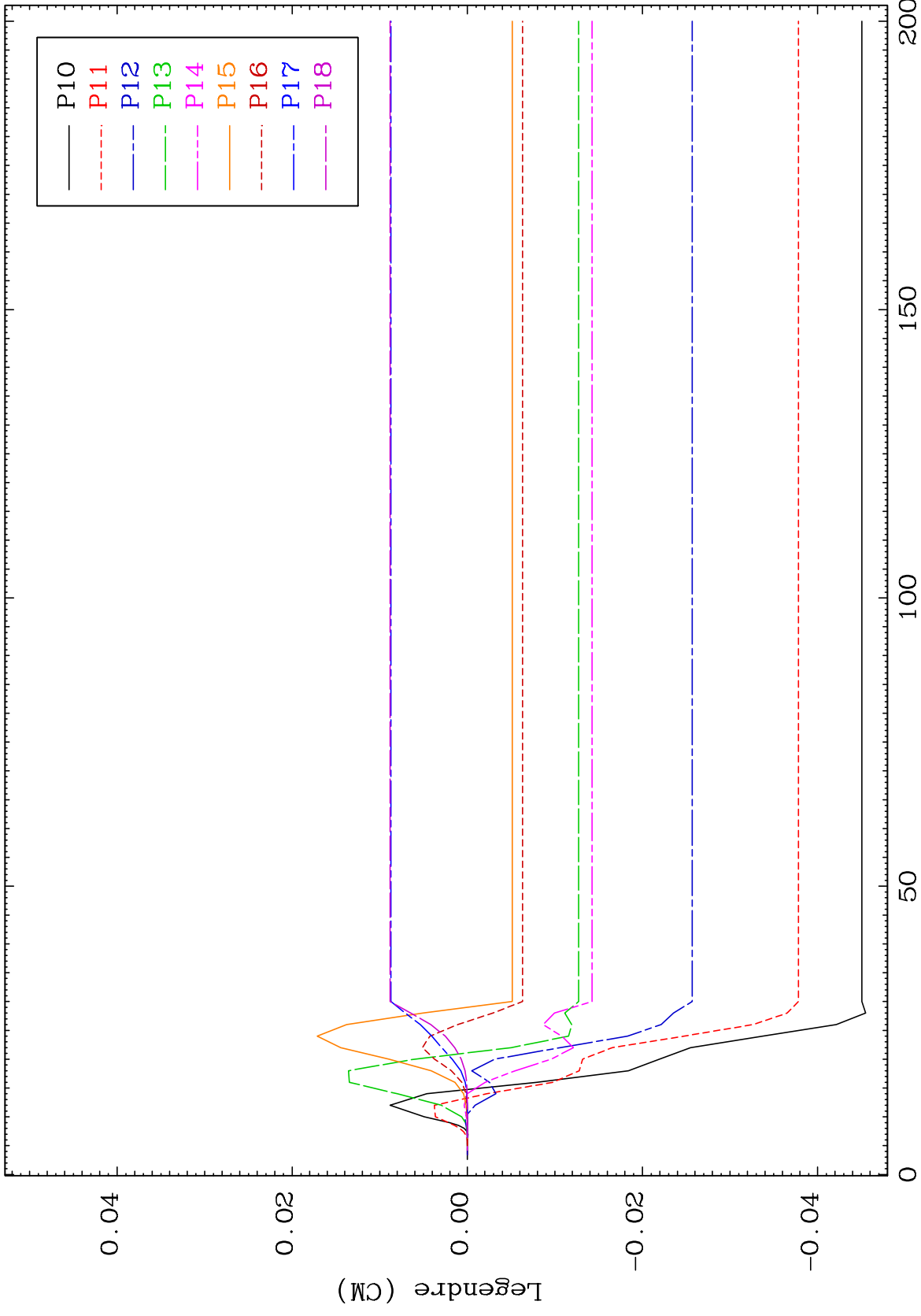
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



65

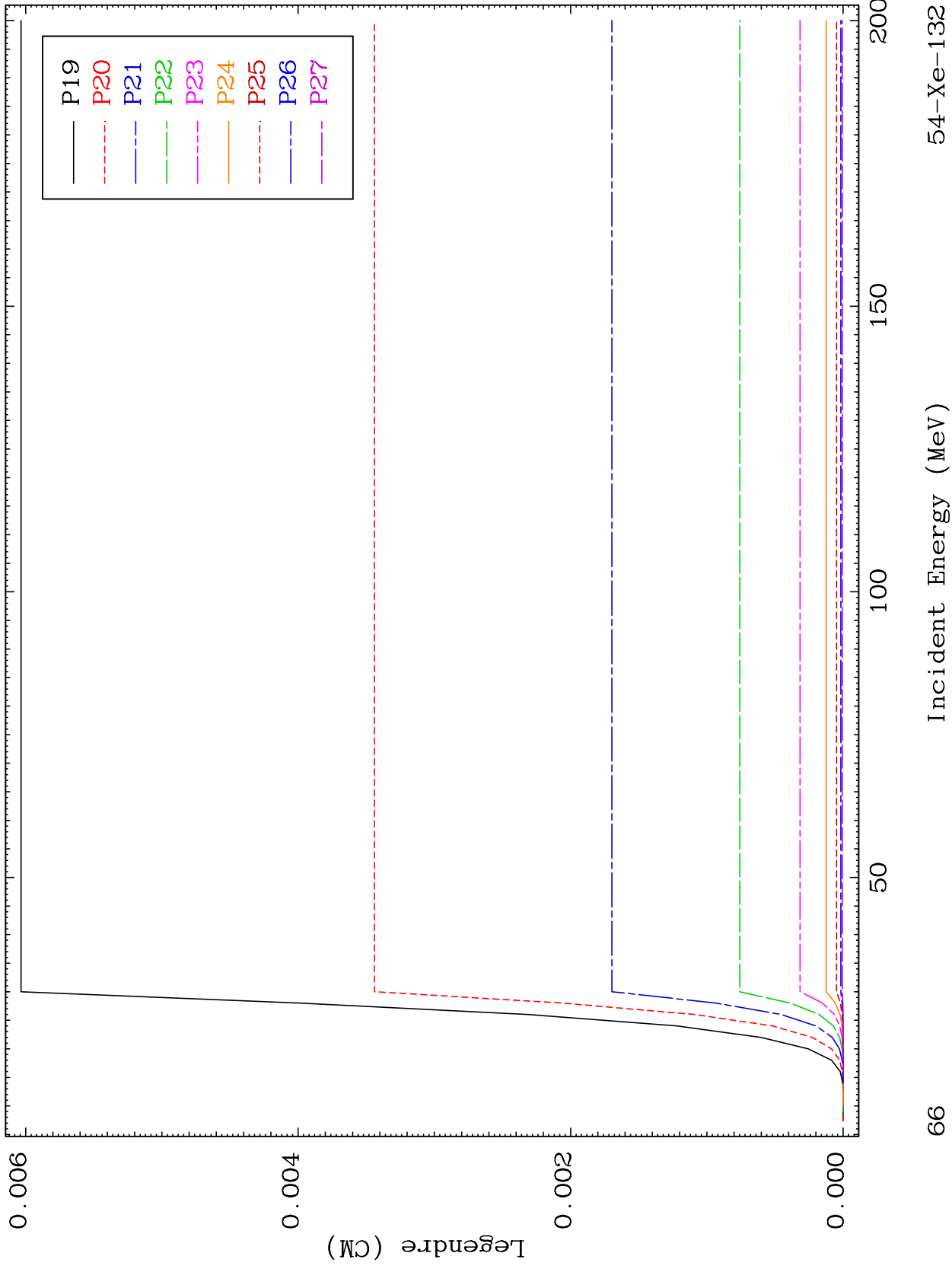
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



66

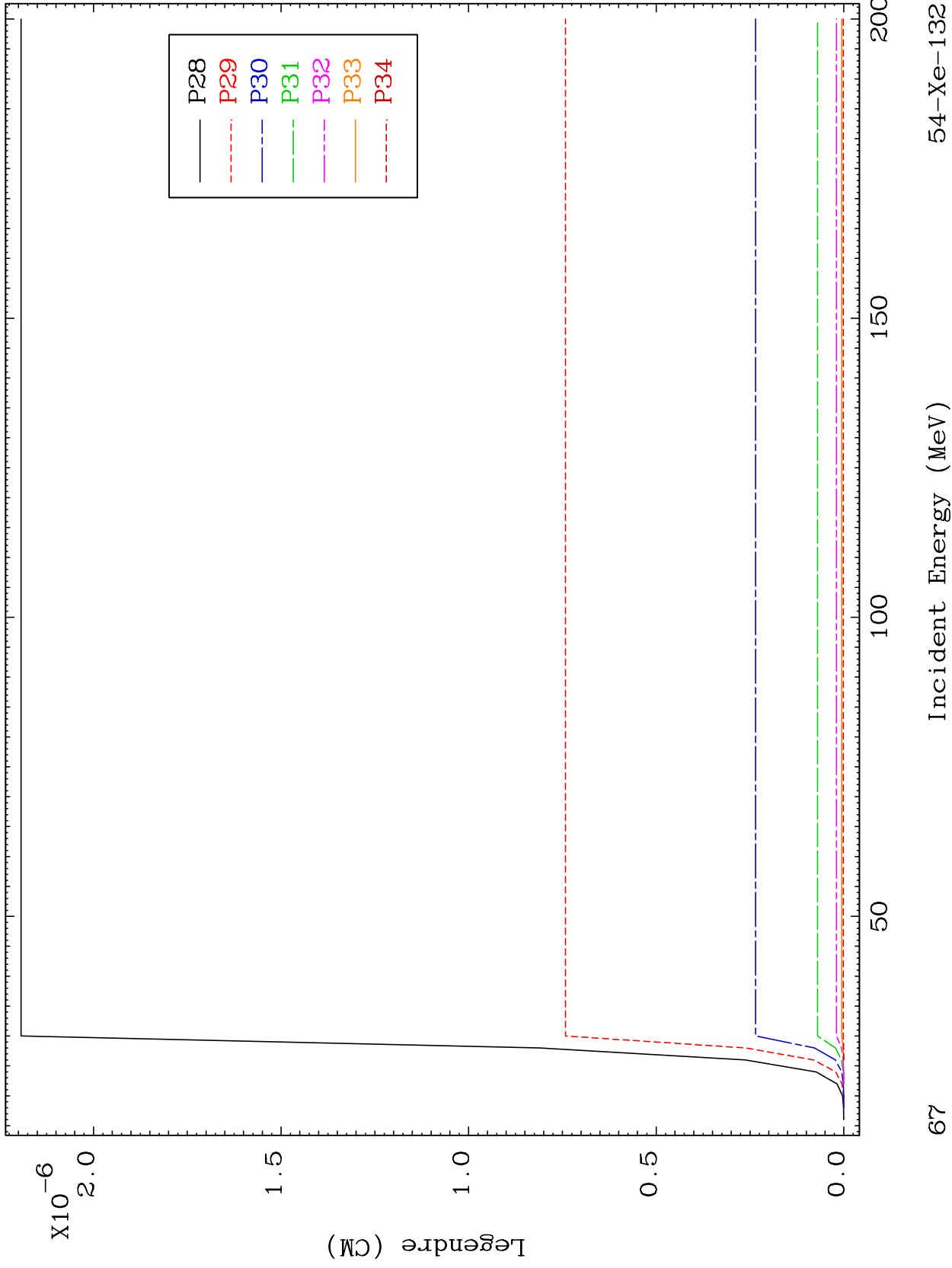
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



67

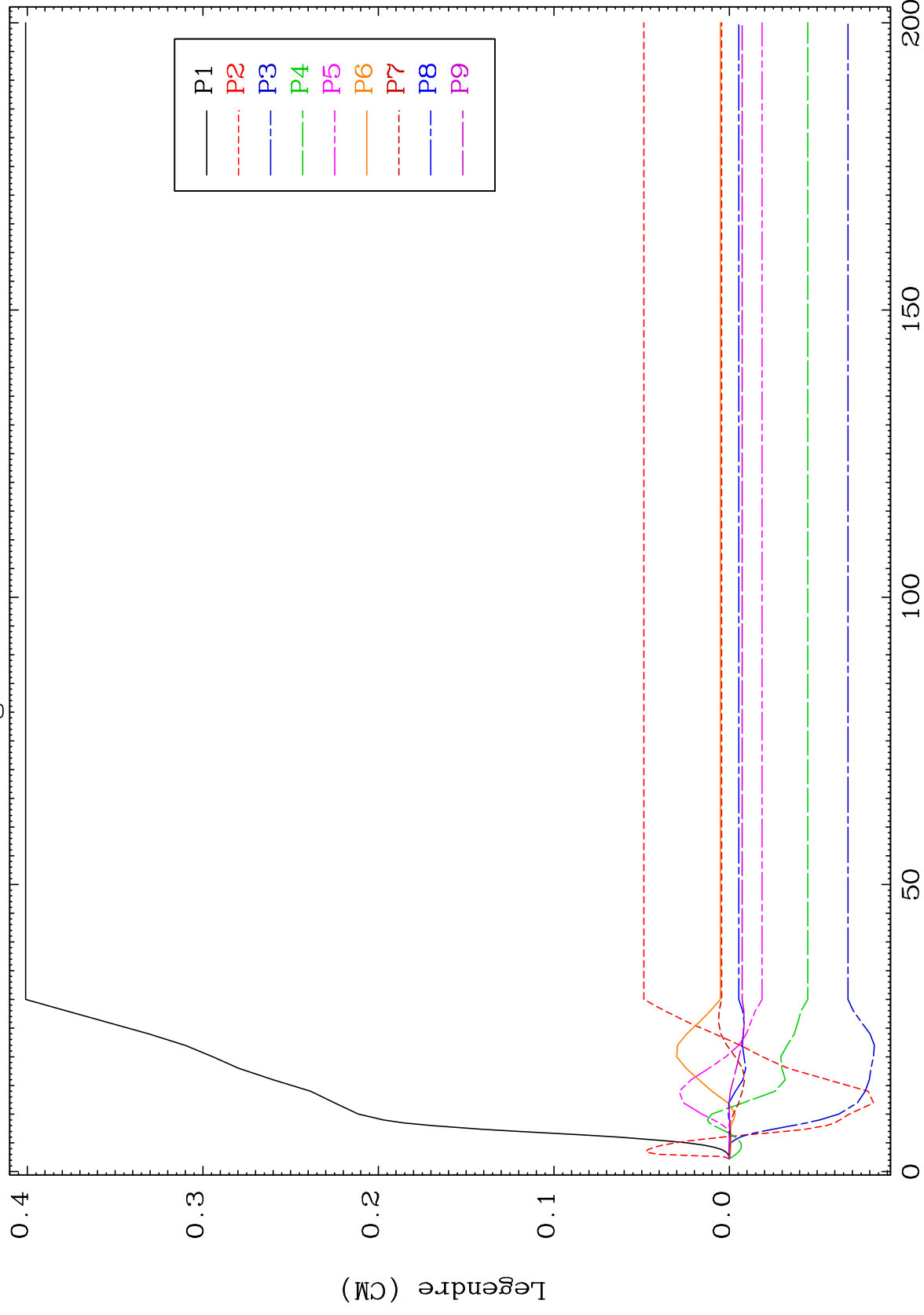
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



54-Xe-132

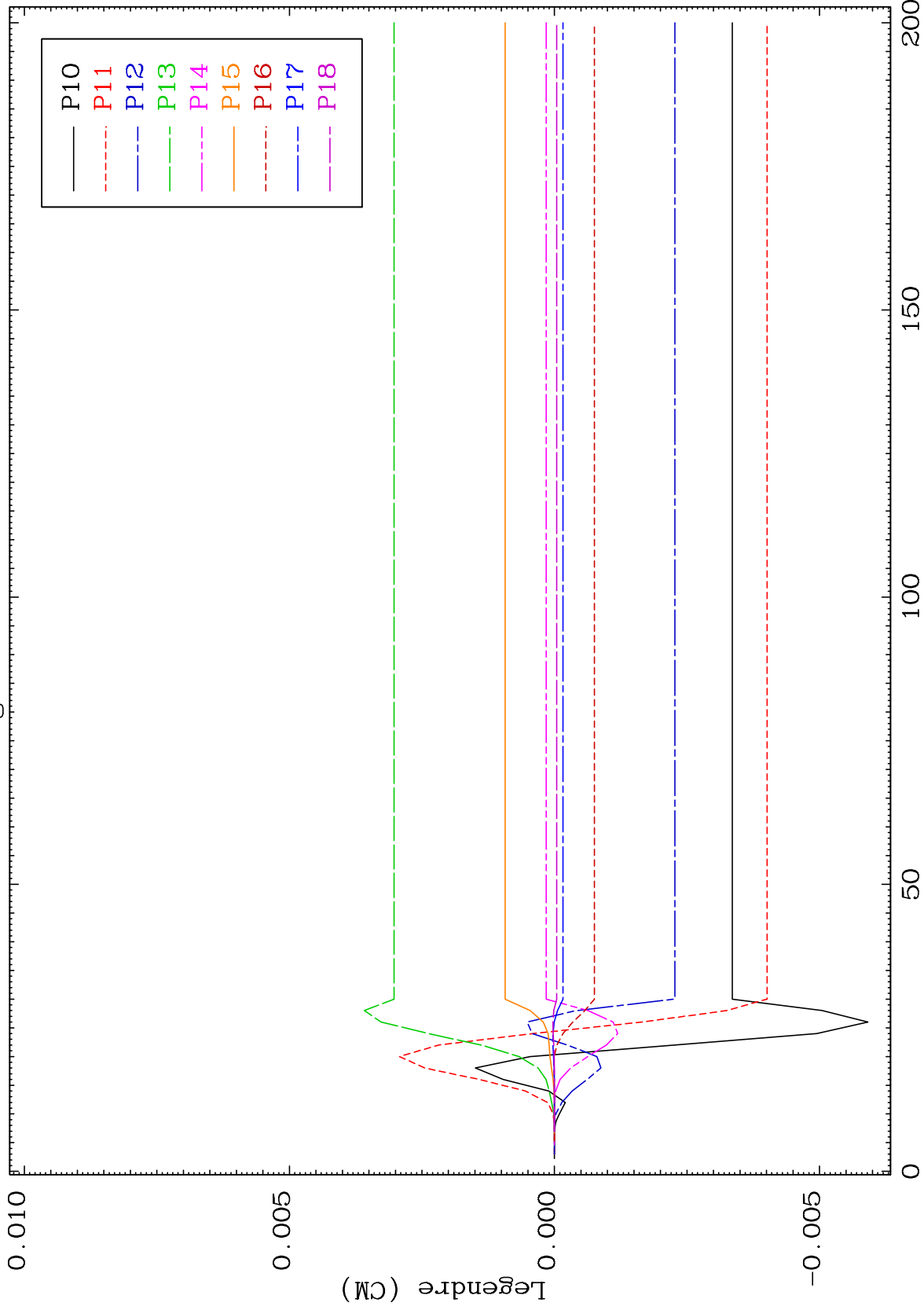
Incident Energy (MeV)

68

MAT 5449

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

54-Xe-132



69

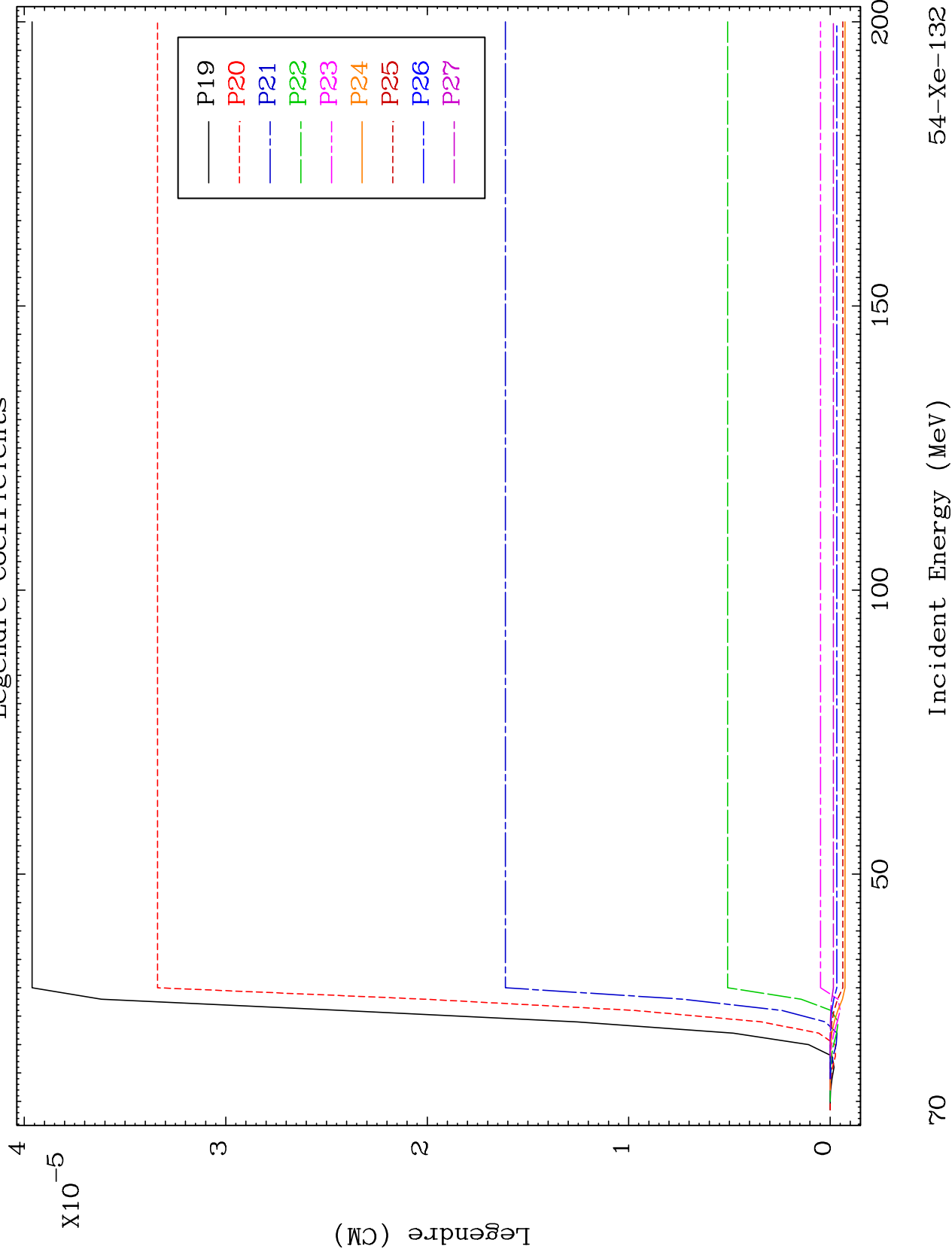
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



70

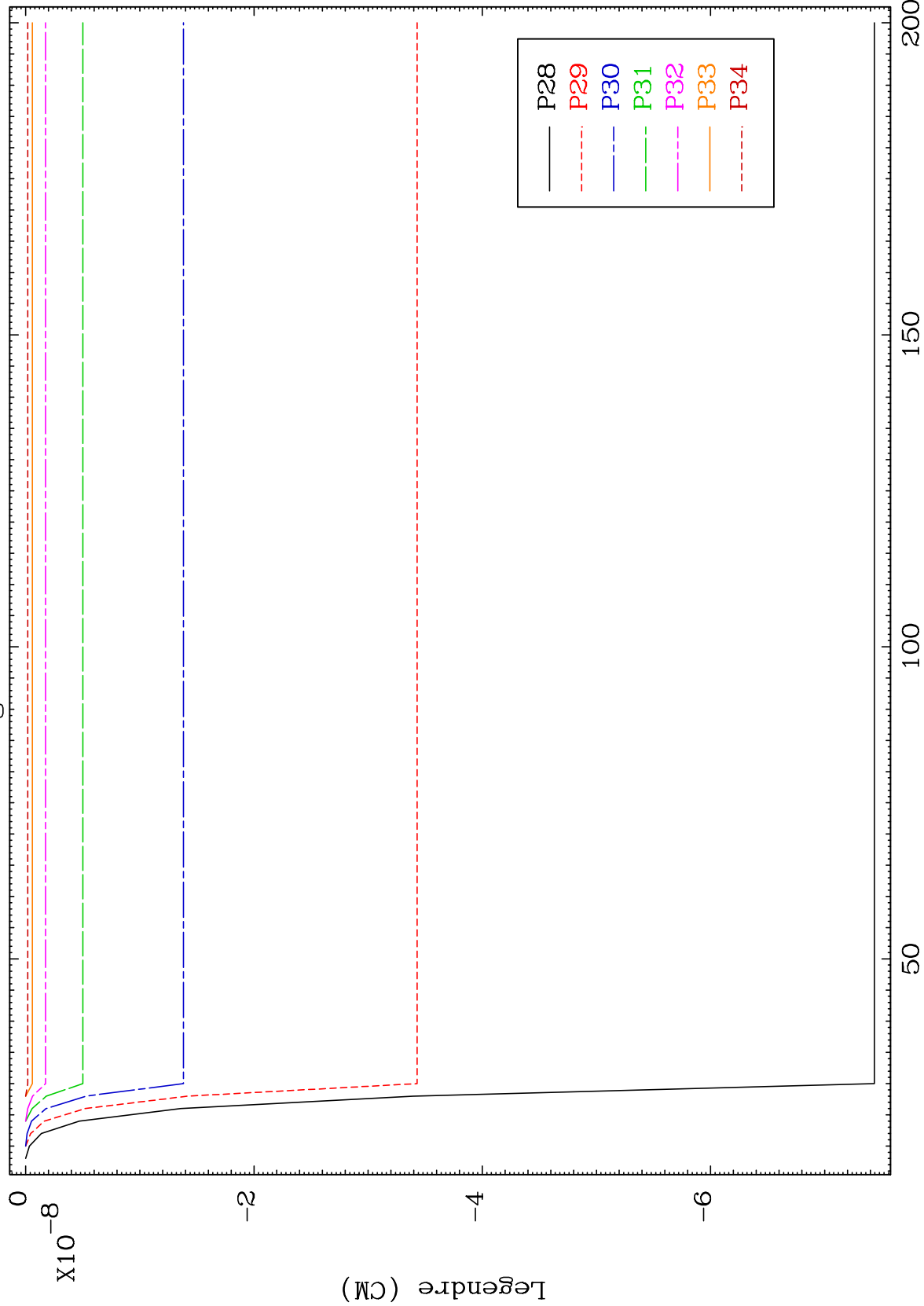
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132

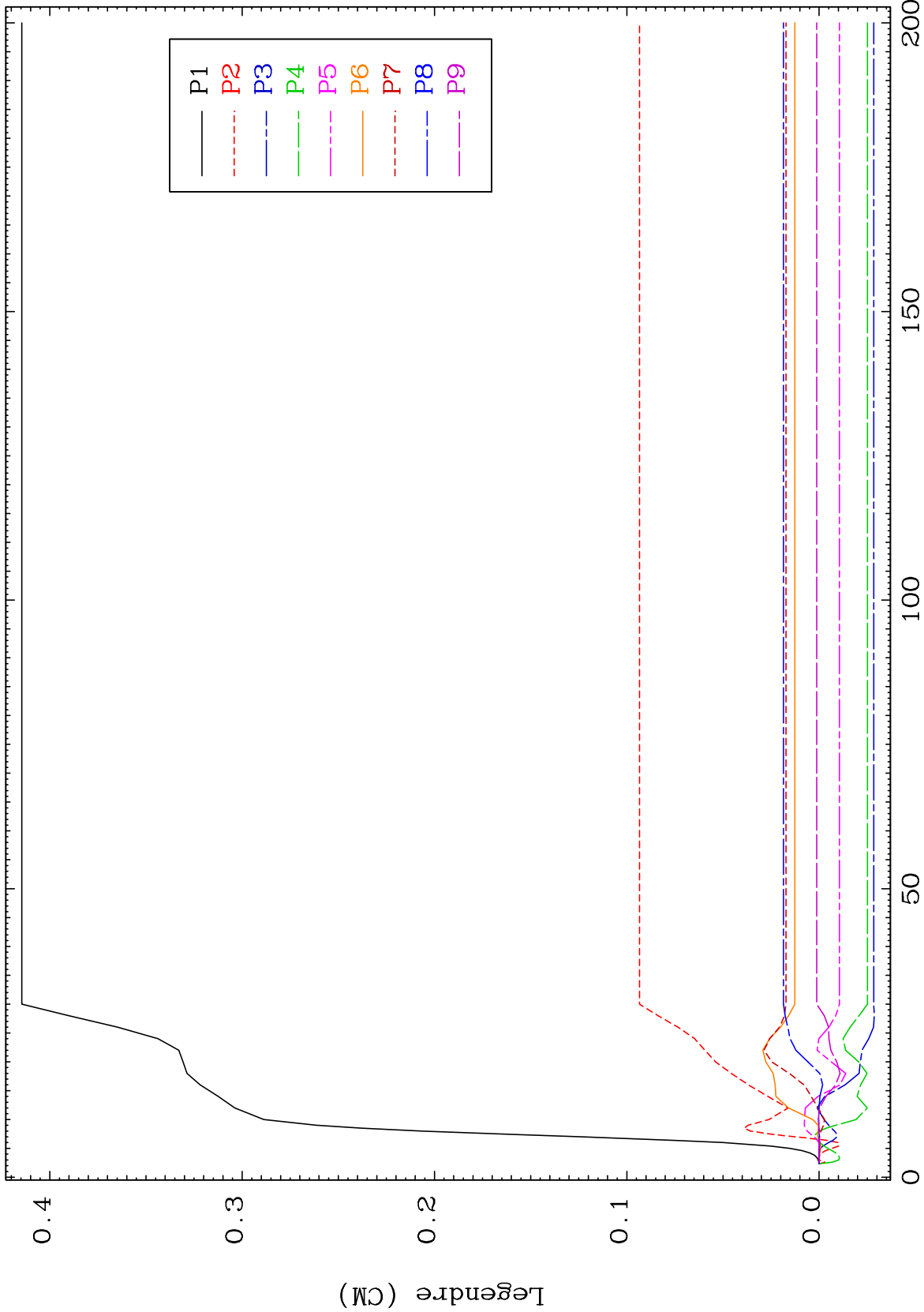




MAT 5449

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

54-Xe-132



72

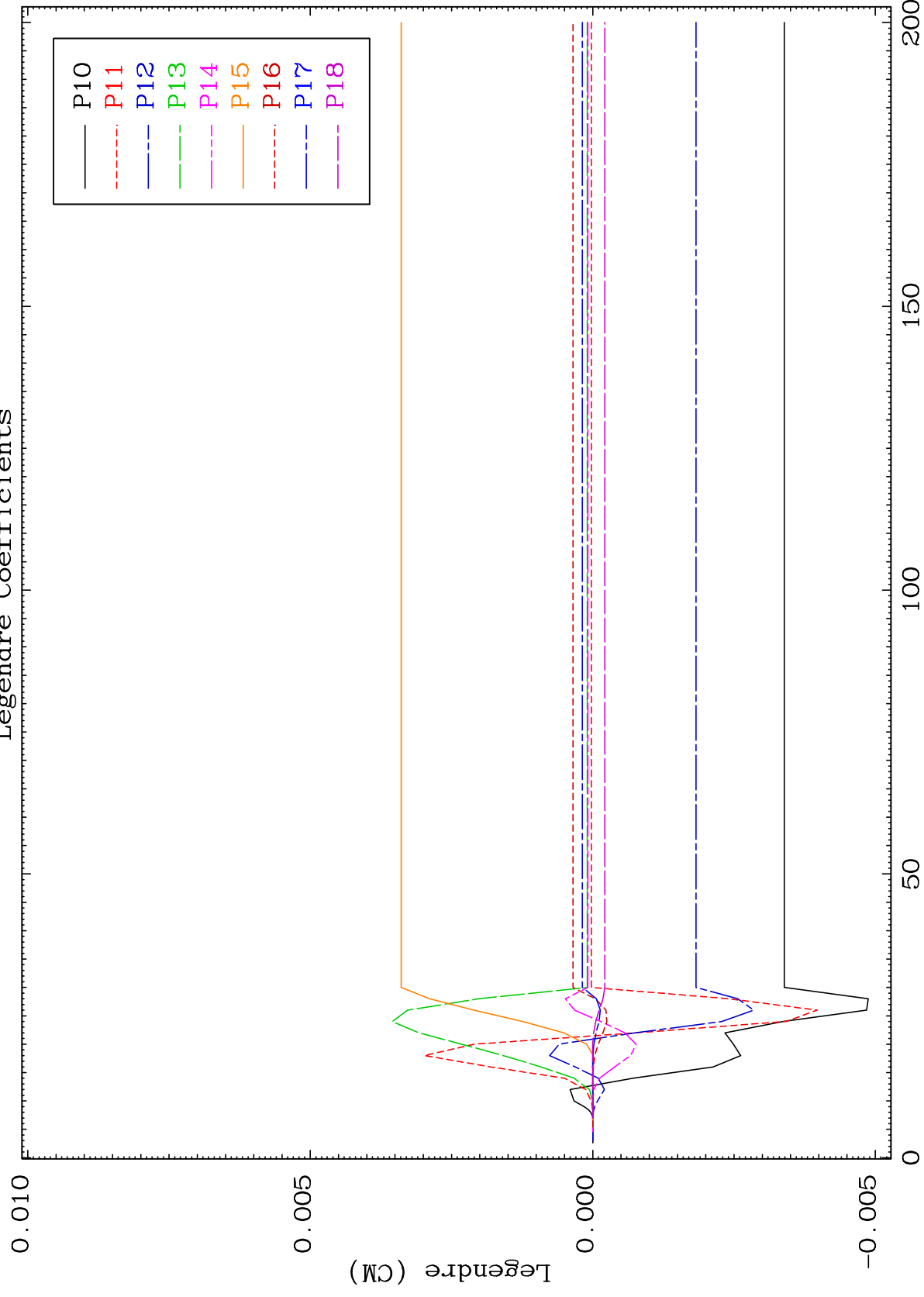
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



73

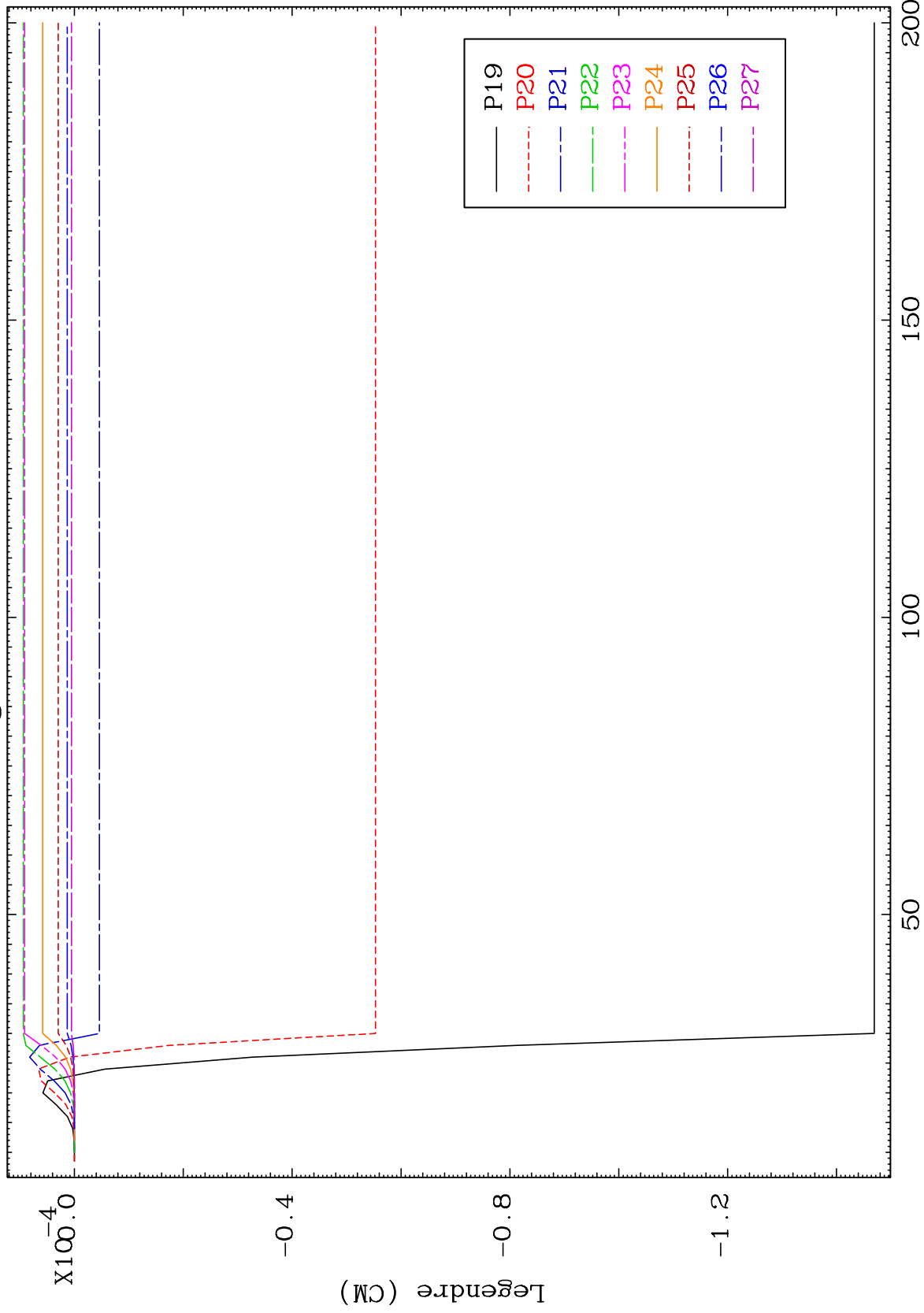
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



74

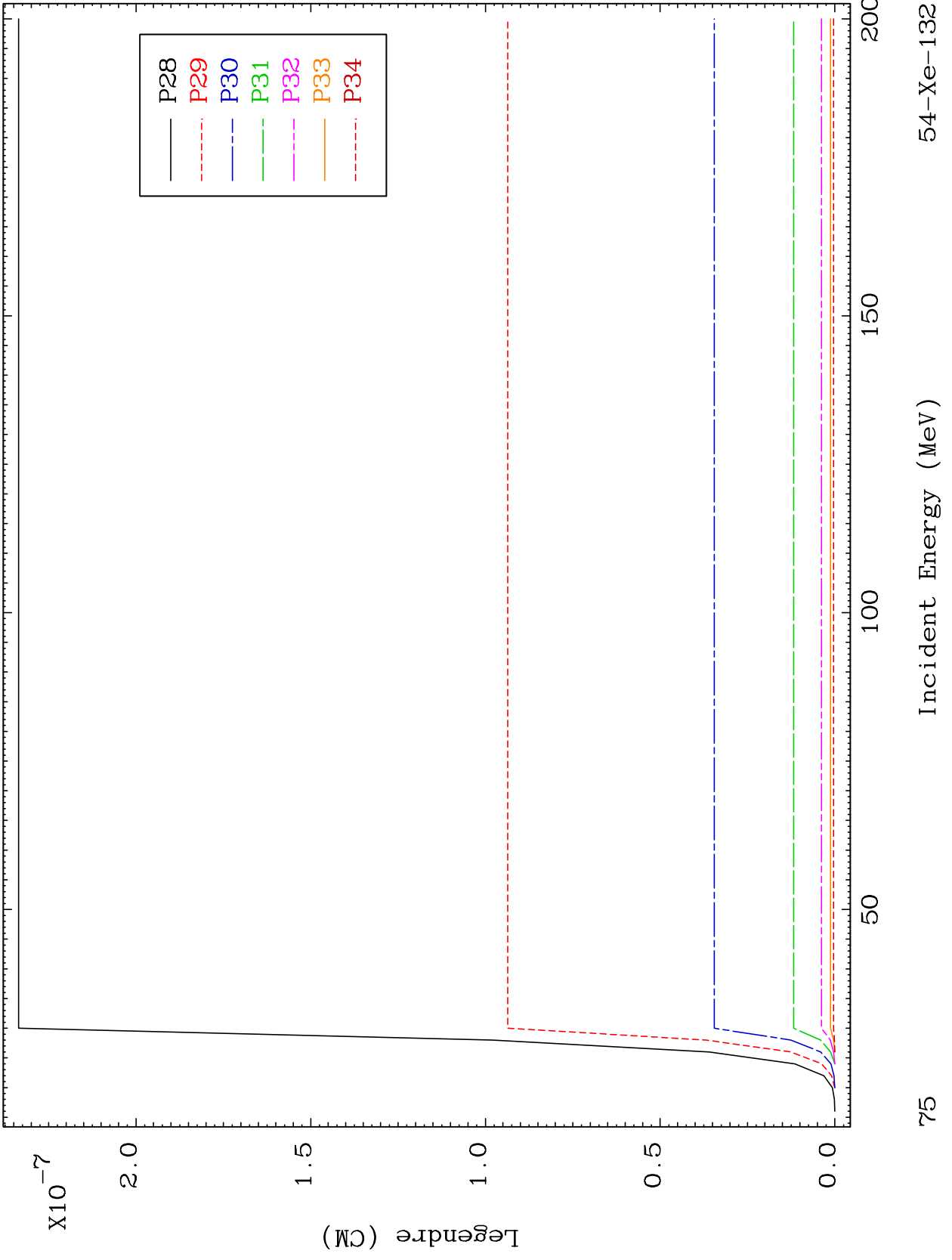
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

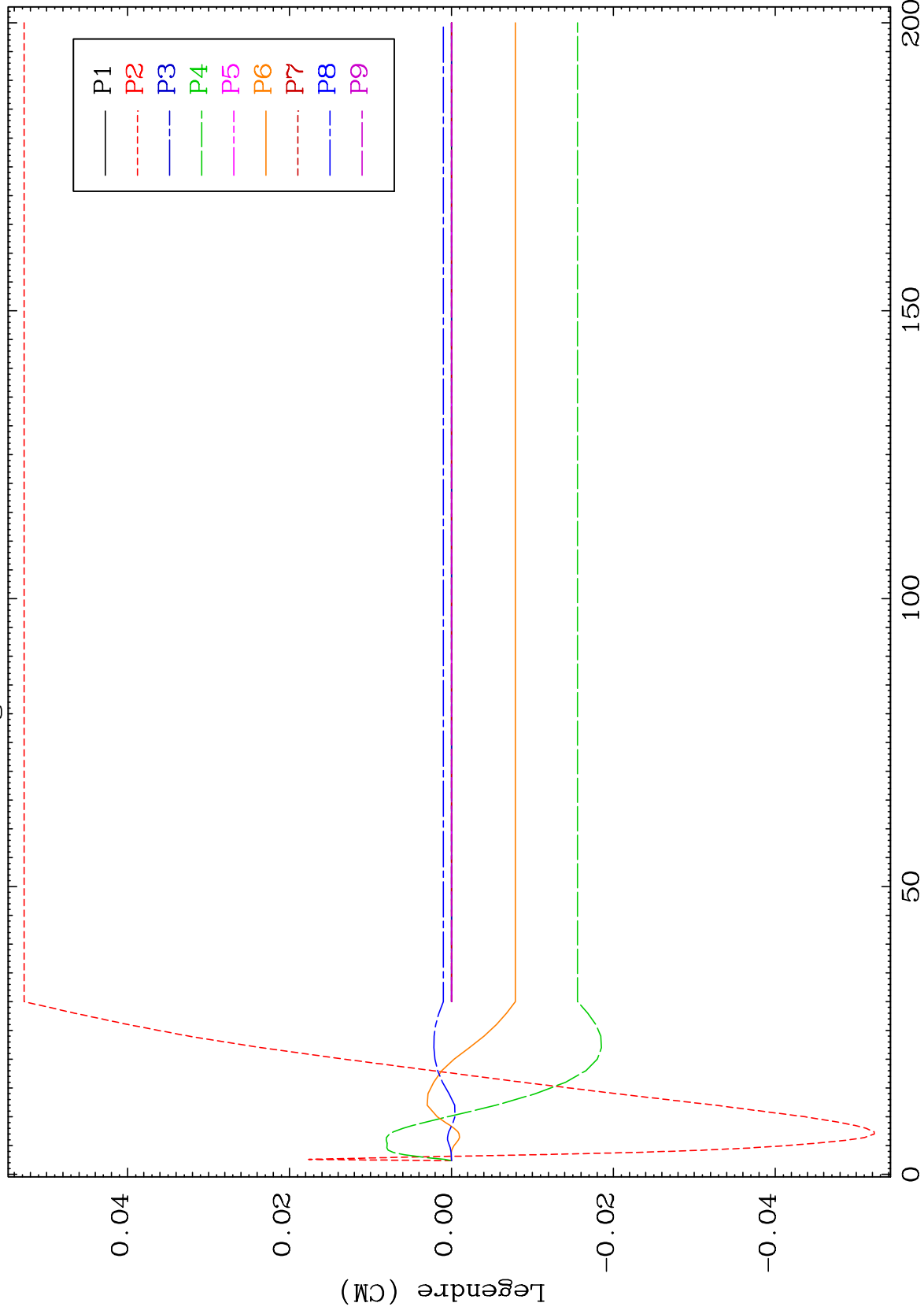
54-Xe-132



MAT 5449

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

54-Xe-132



76

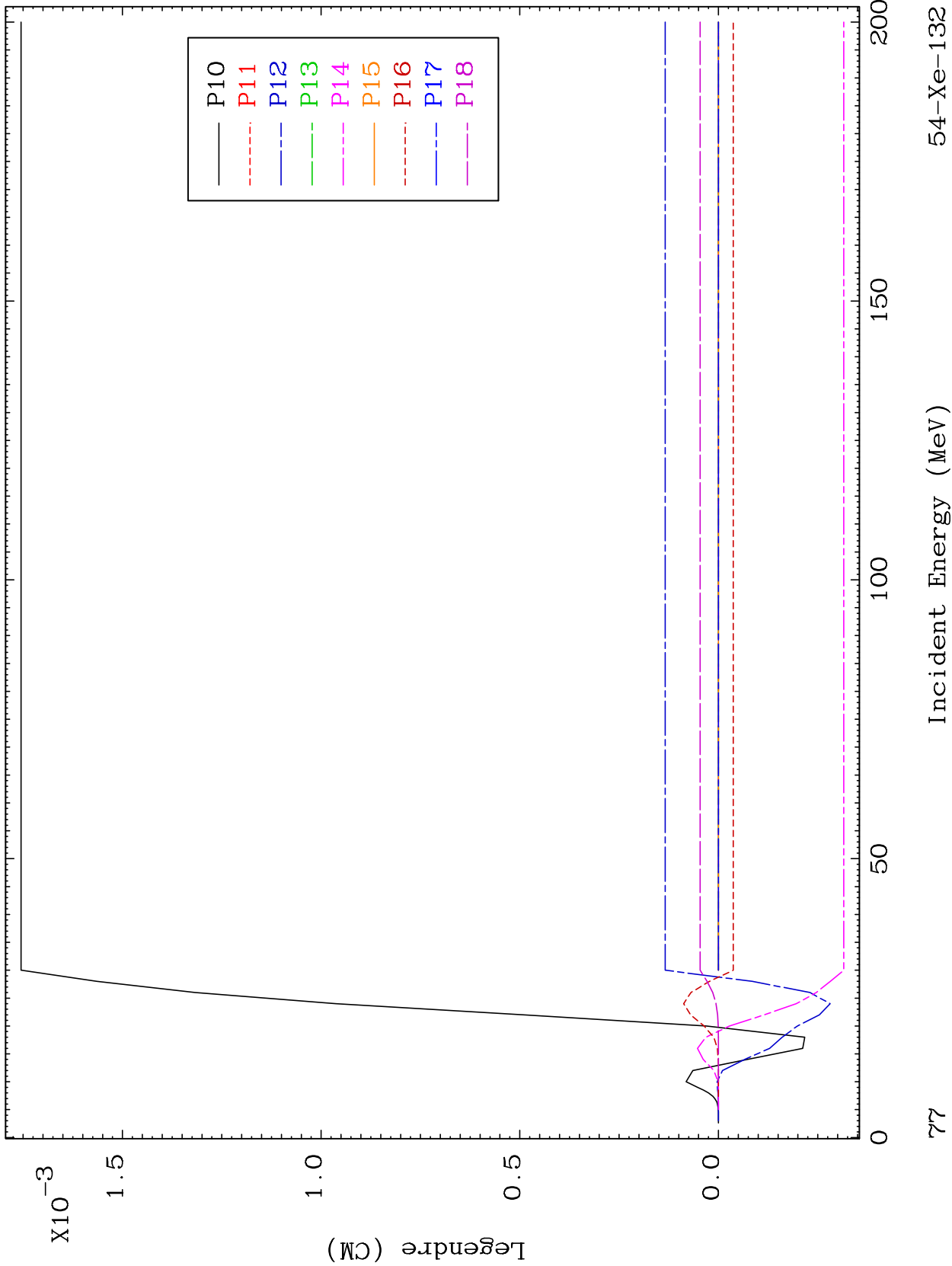
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



77

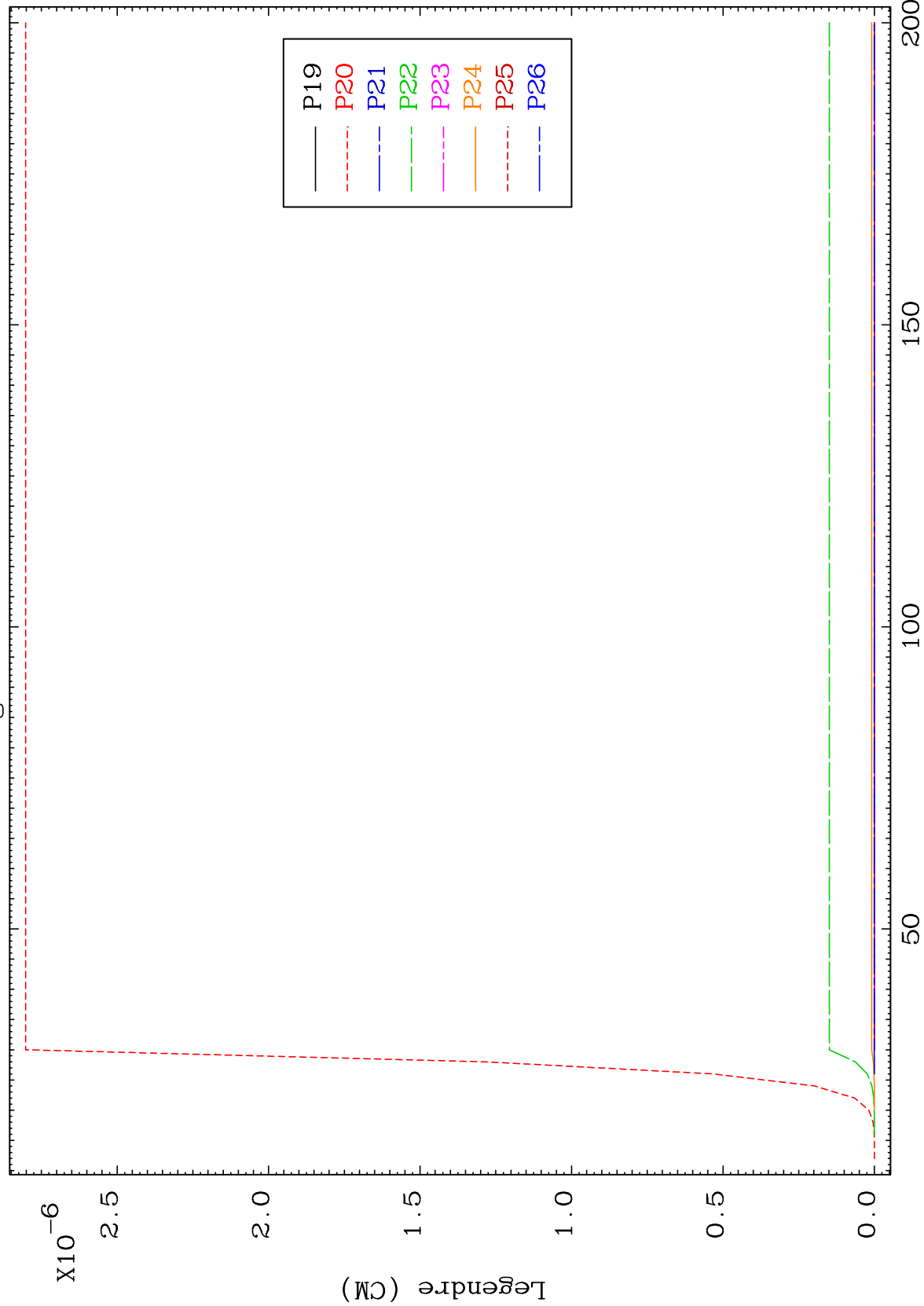
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



78

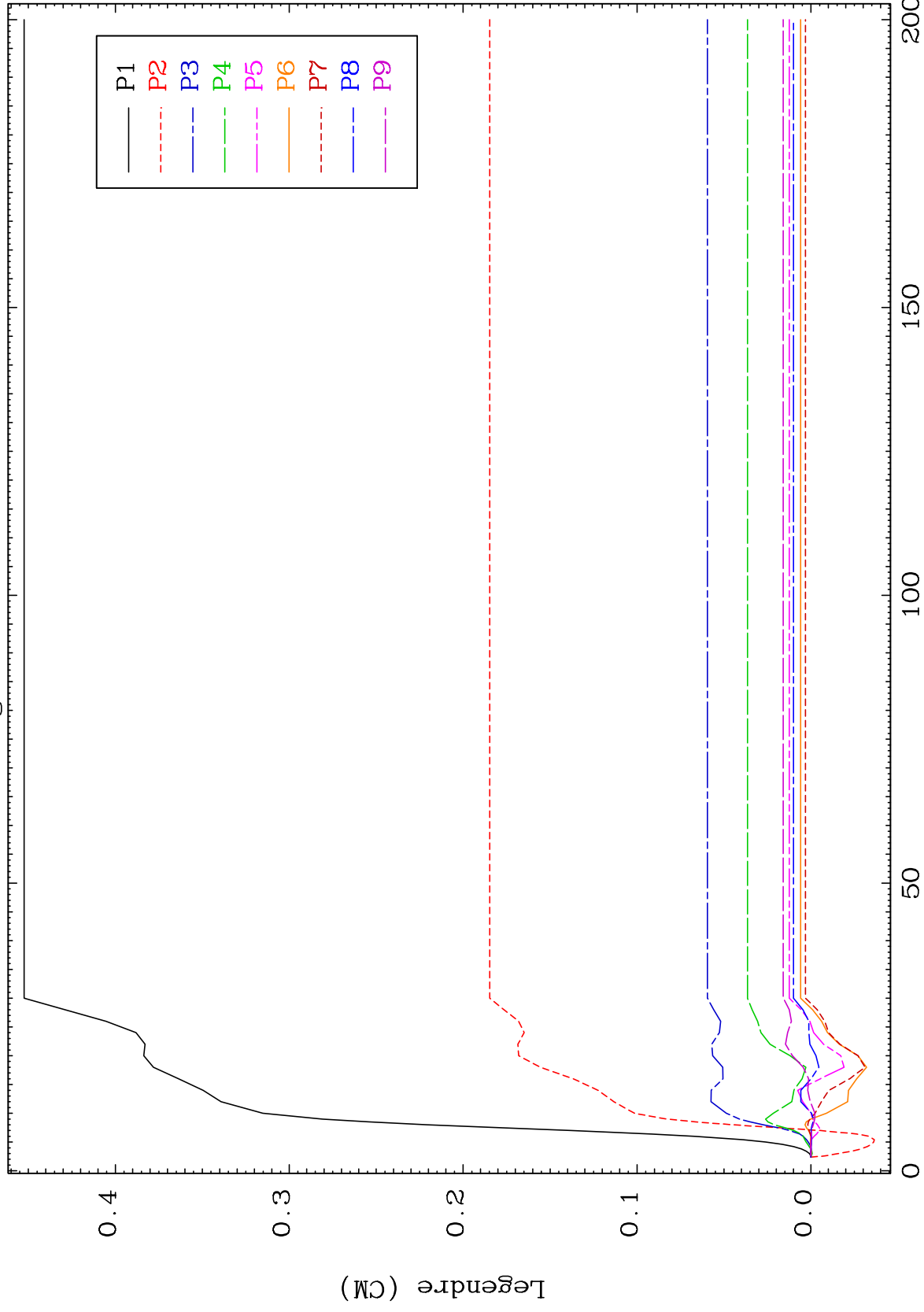
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



79

Incident Energy (MeV)

54-Xe-132

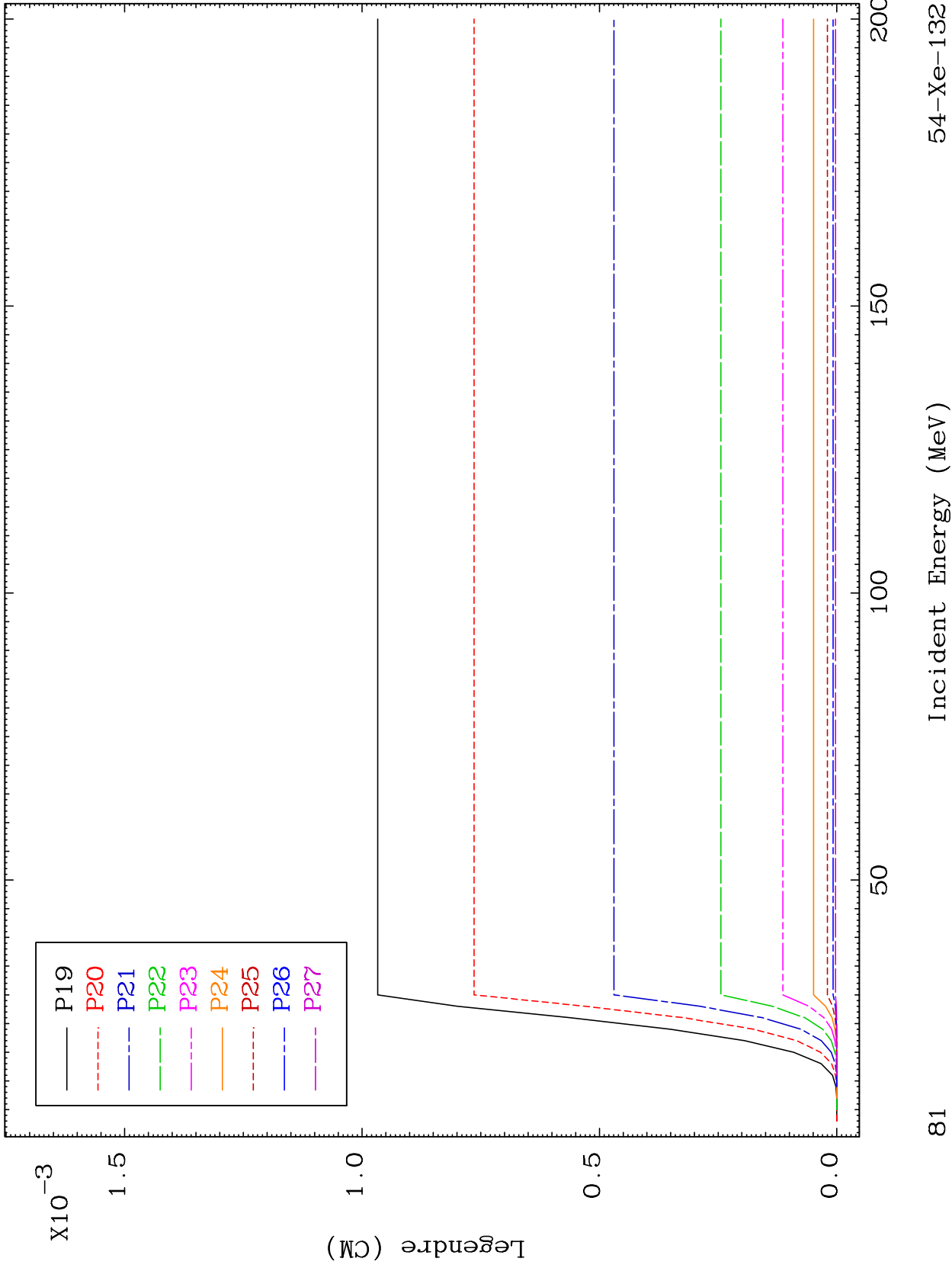




MAT 5449

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

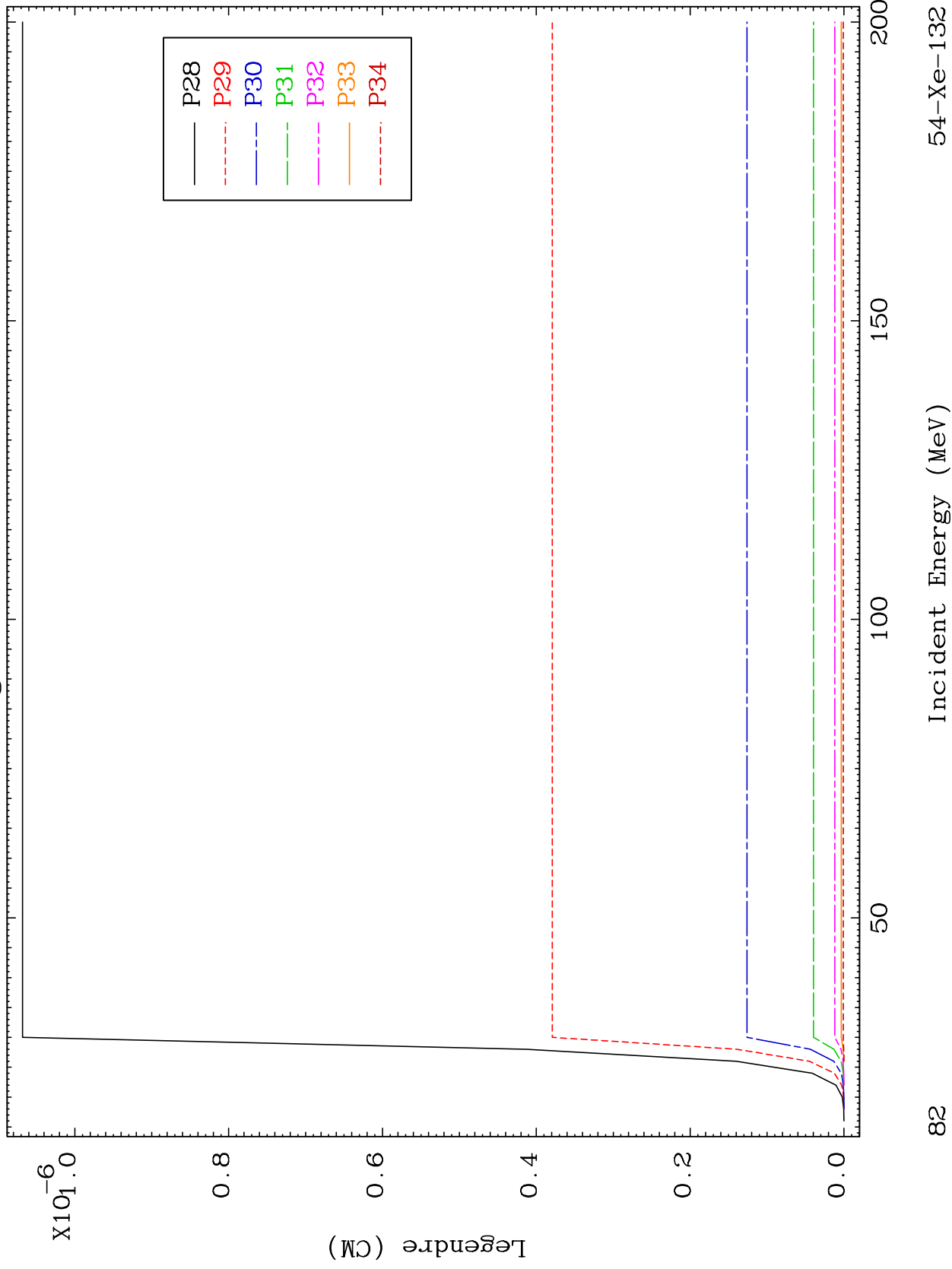
54-Xe-132



MAT 5449

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

54-Xe-132



82

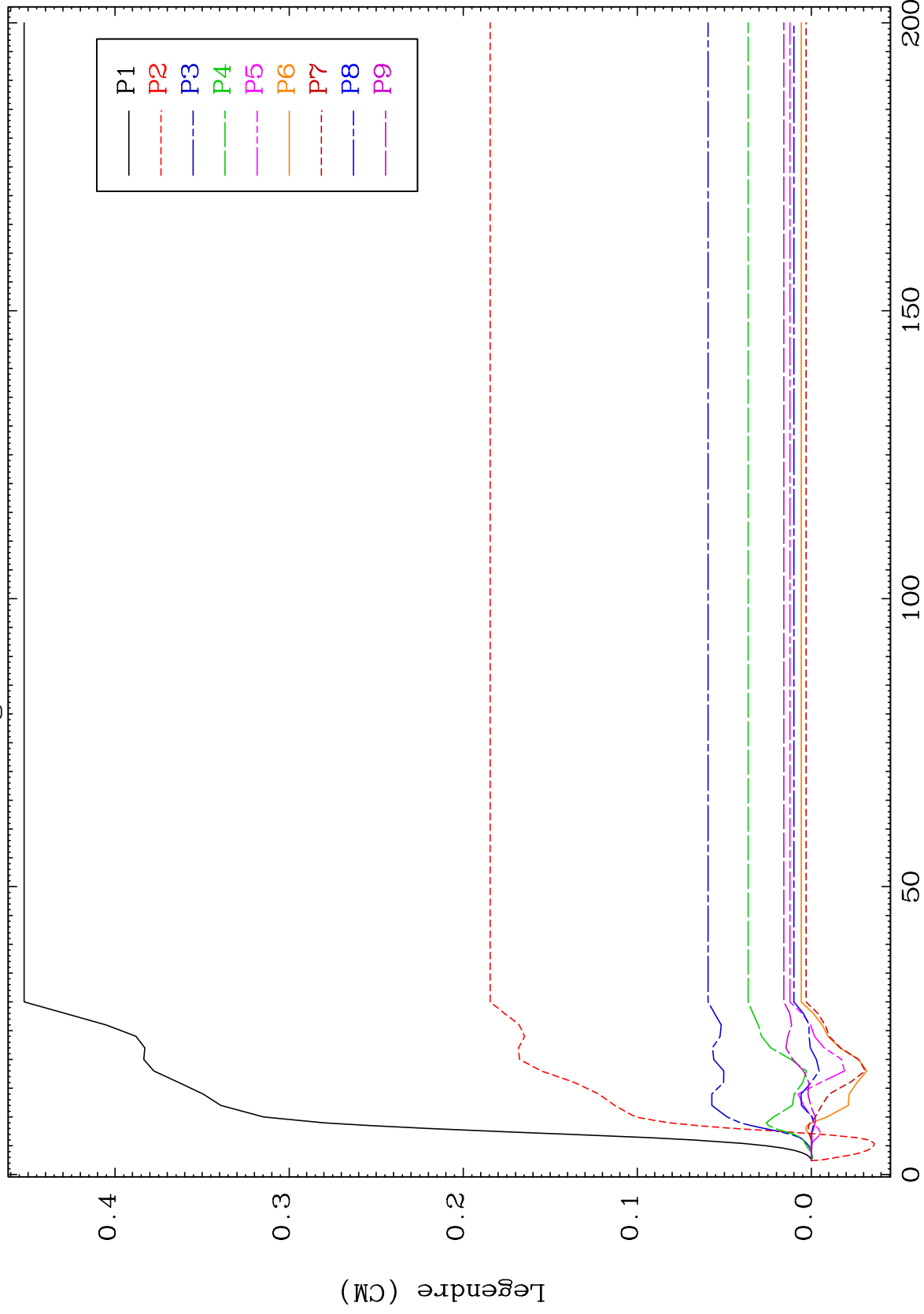
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



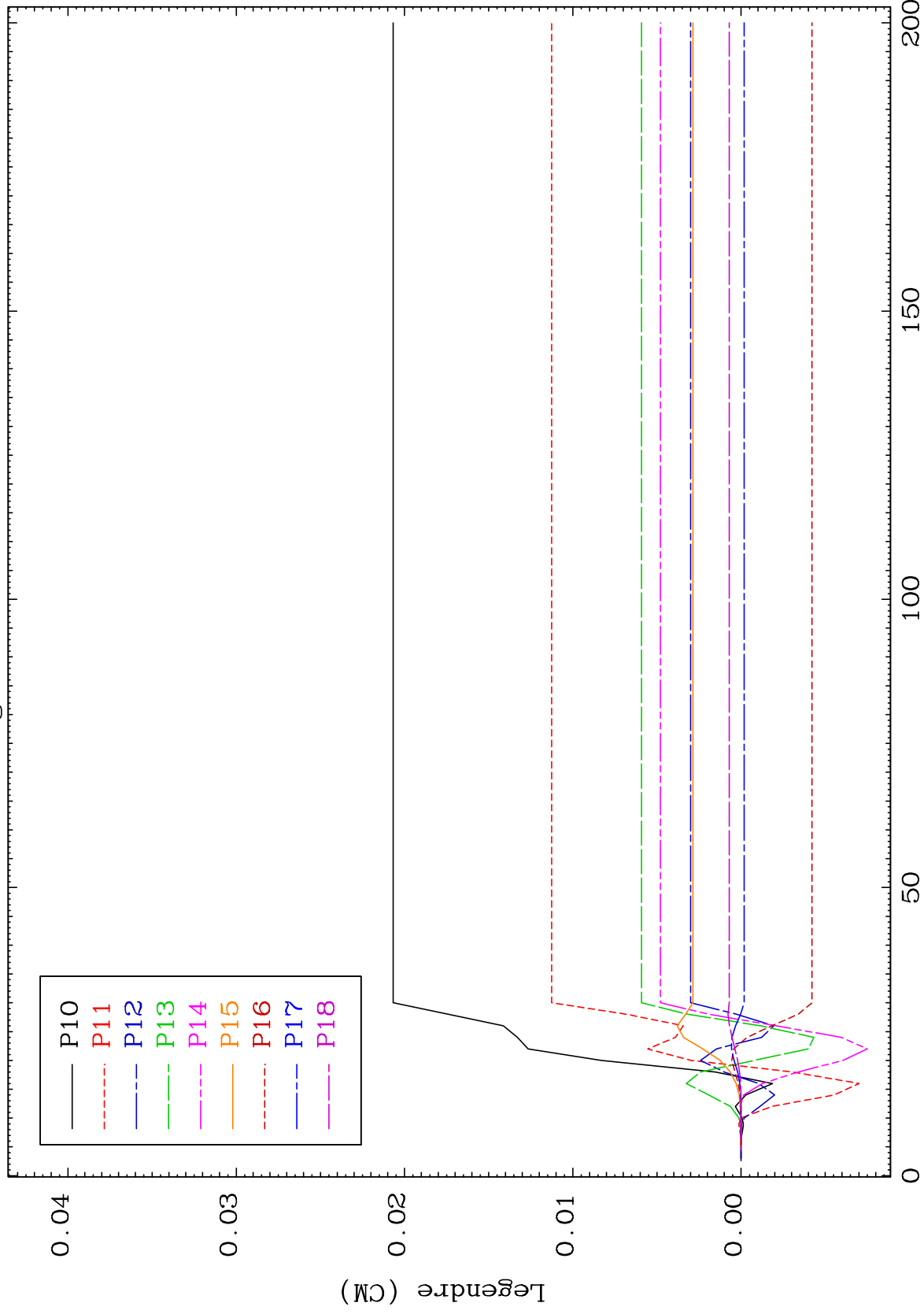
83

54-Xe-132

MAT 5449

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

54-Xe-132



84

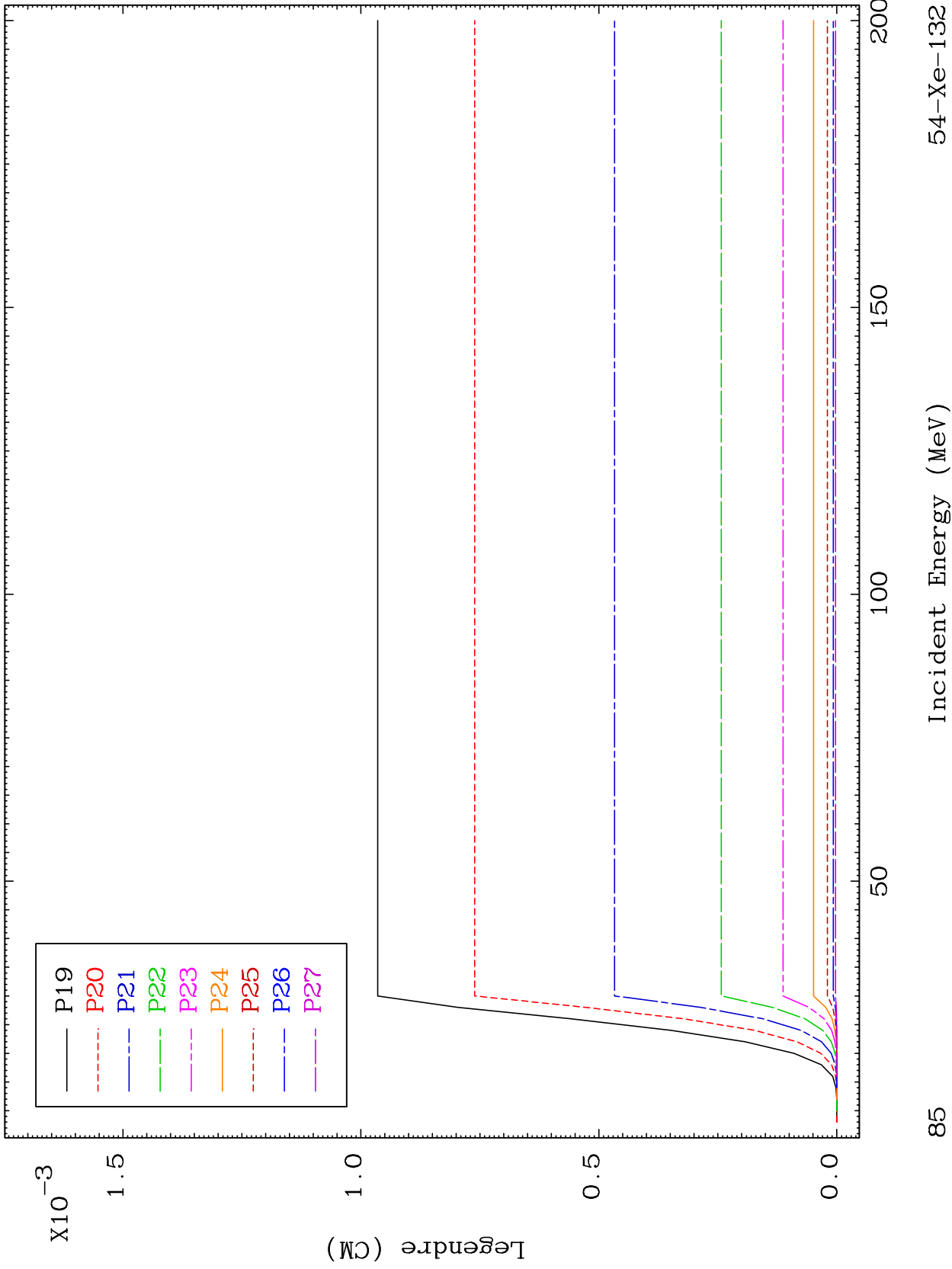
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

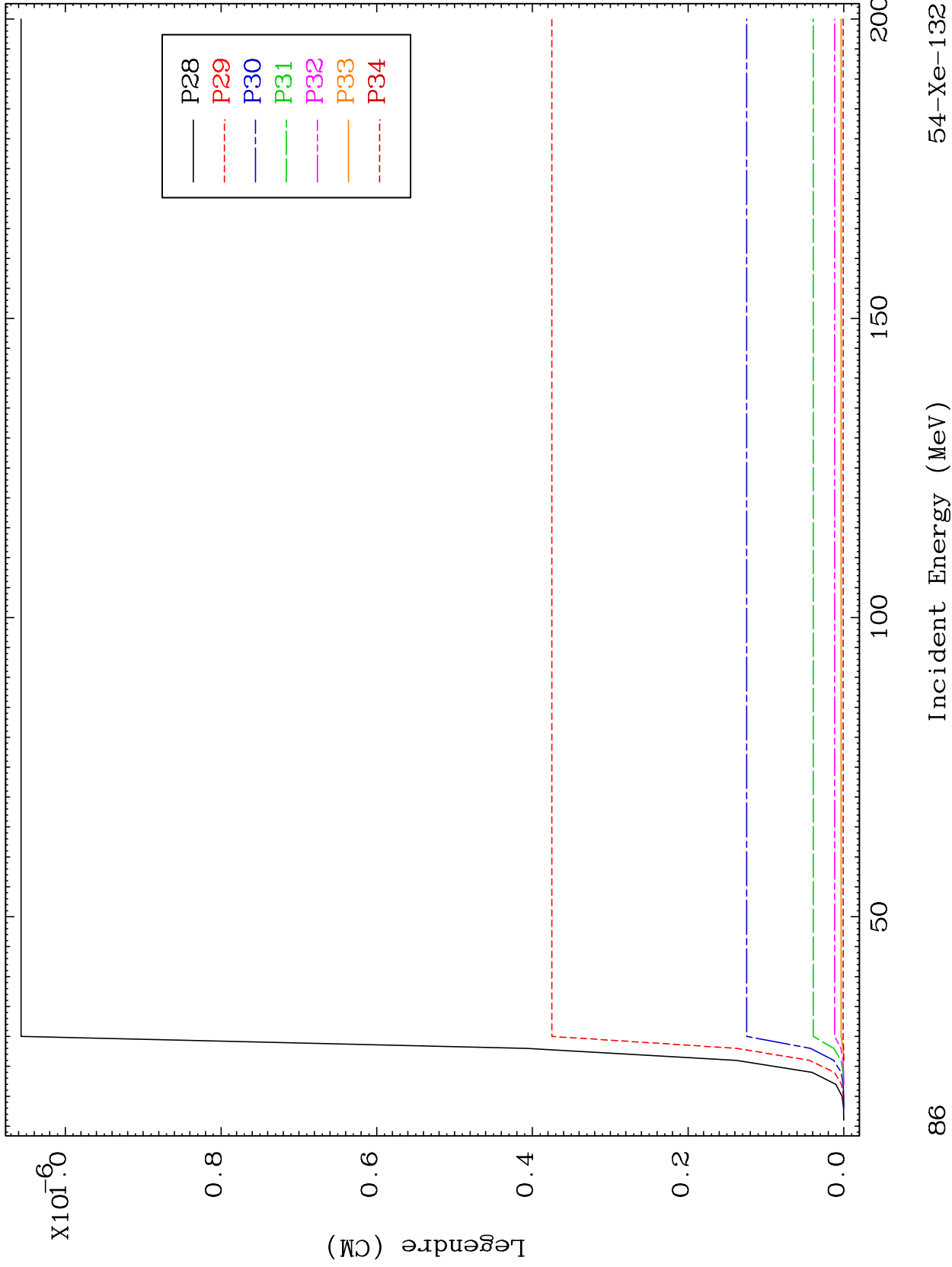
54-Xe-132



MAT 5449

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

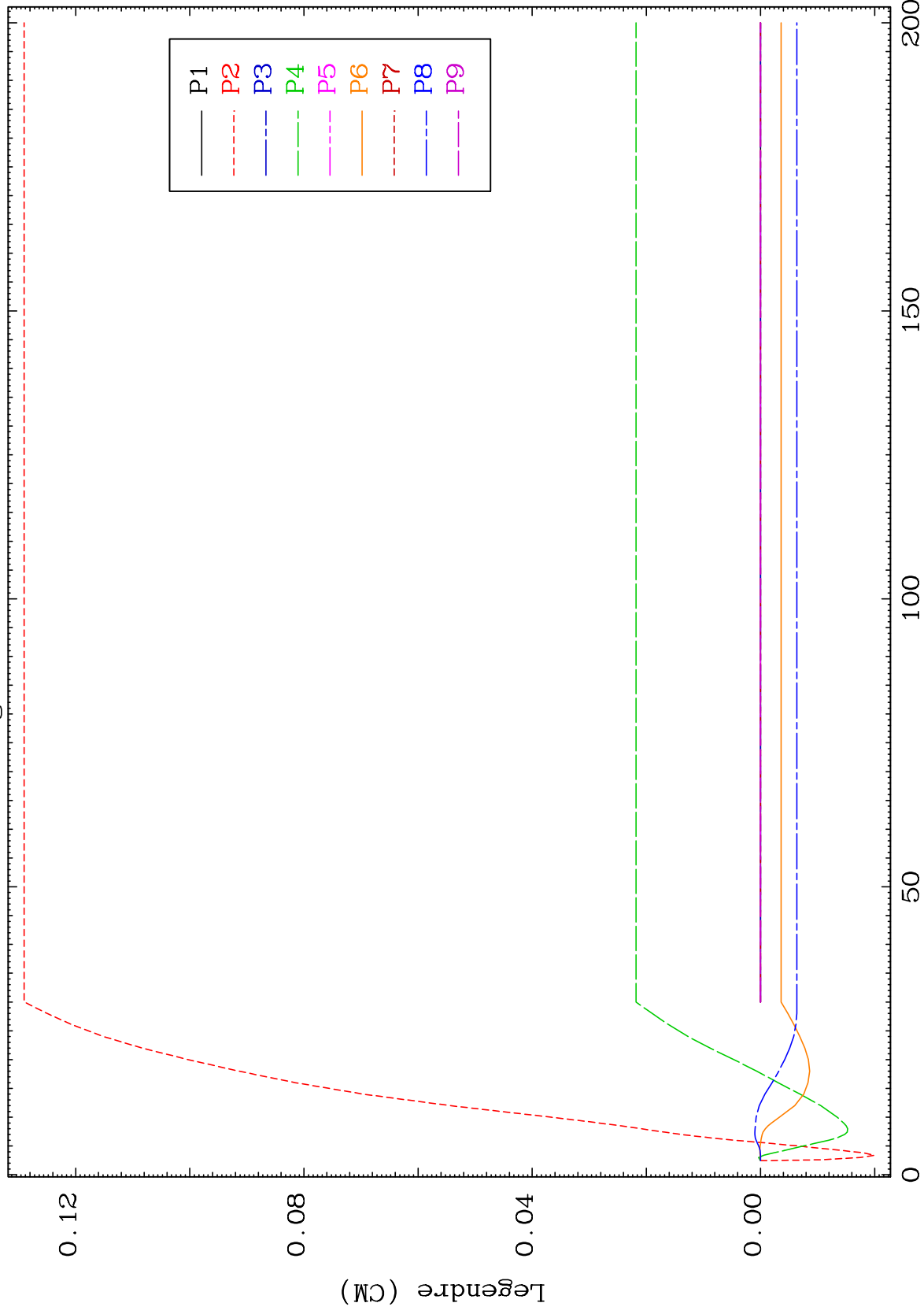
54-Xe-132



MAT 5449

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

54-Xe-132



87

Incident Energy (MeV)

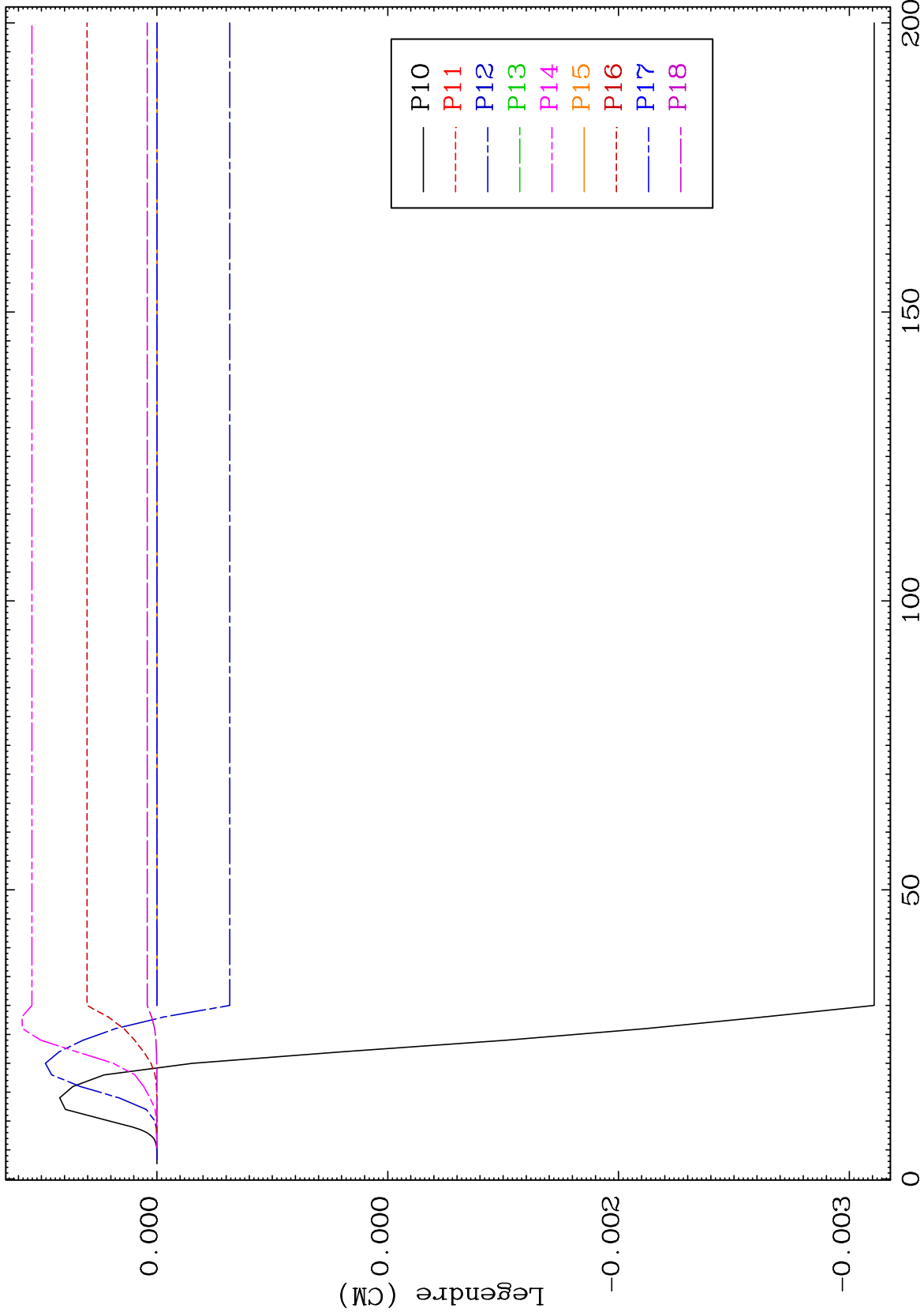
54-Xe-132



MAT 5449

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

54-Xe-132



88

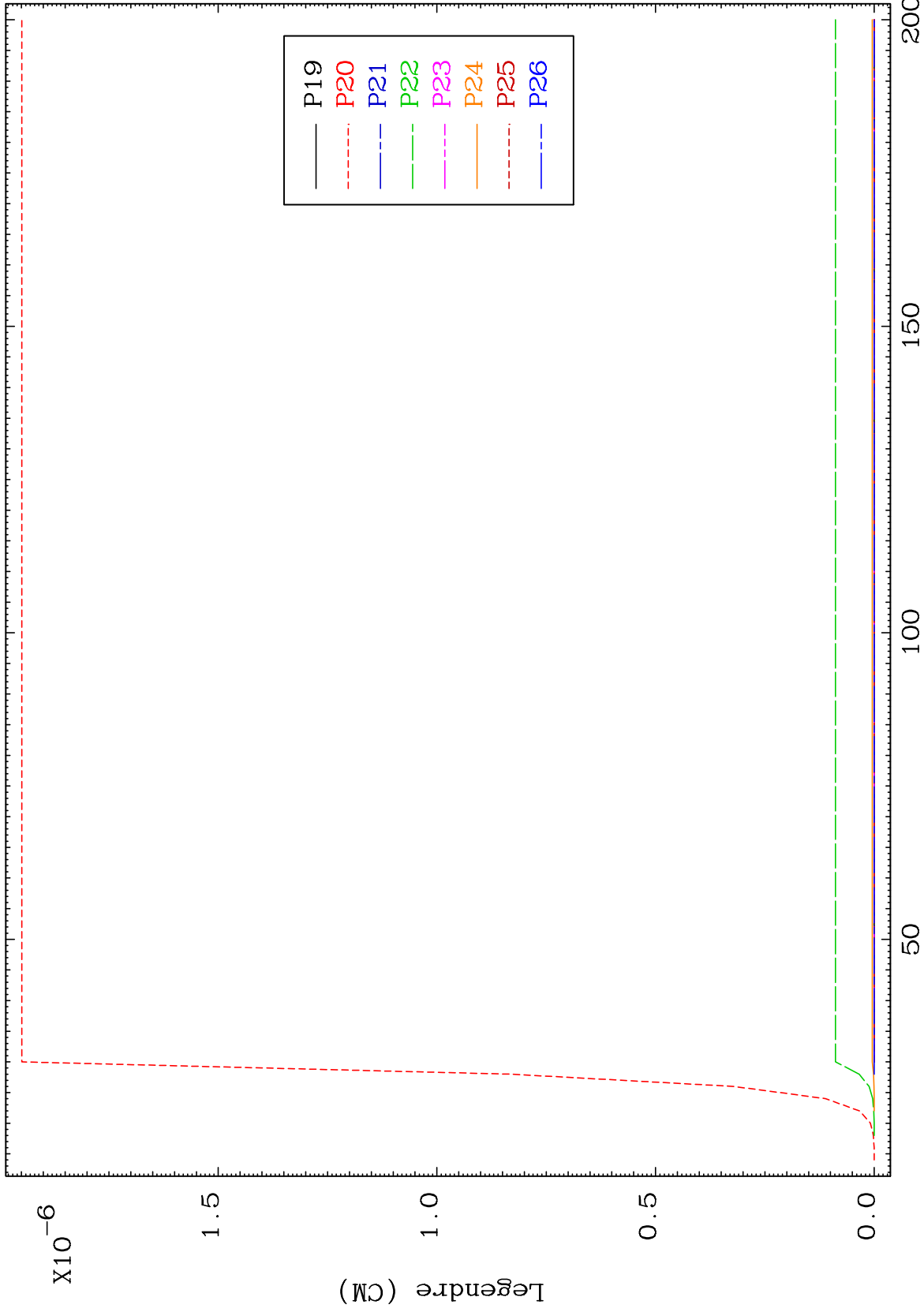
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



89

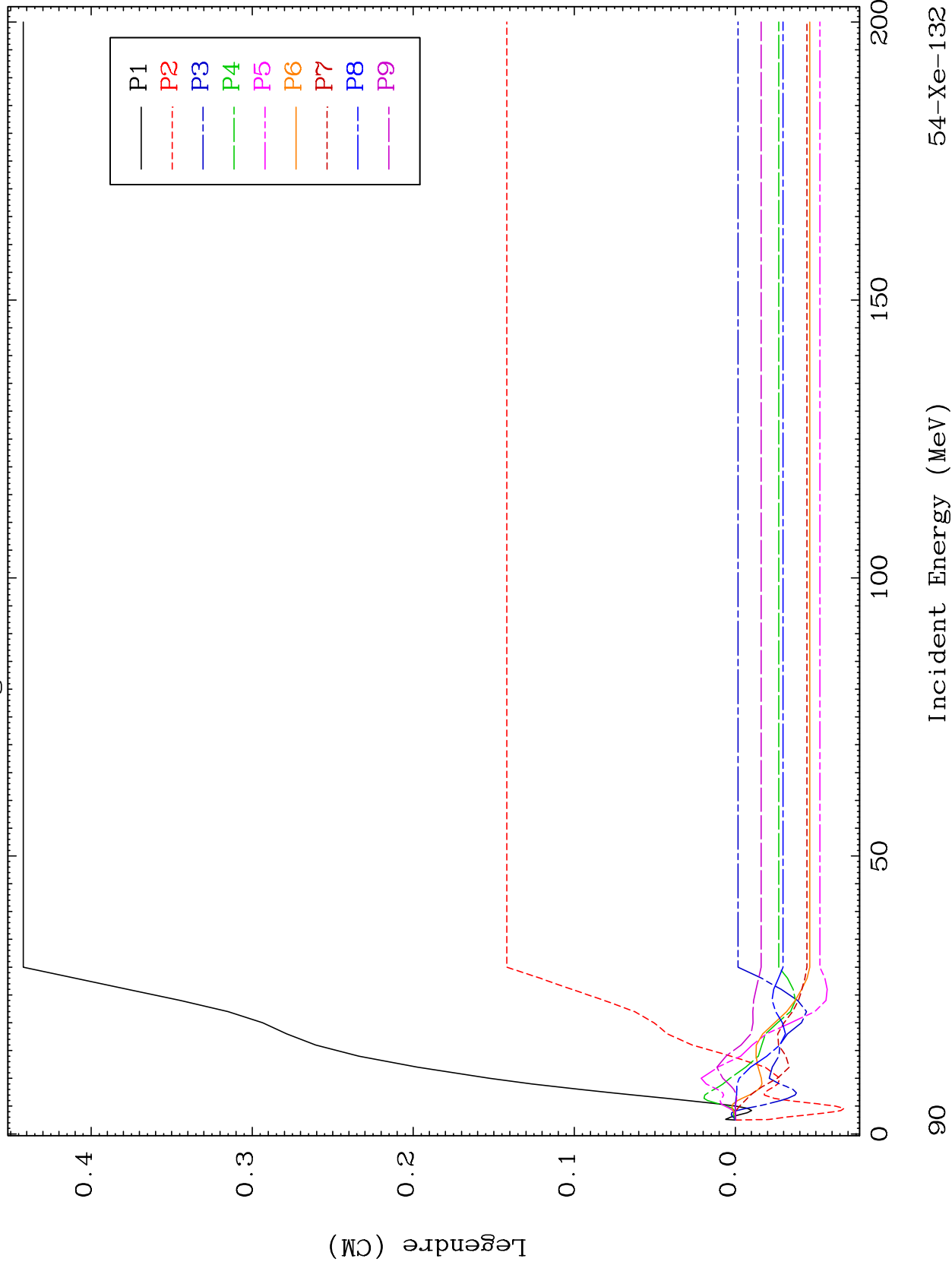
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



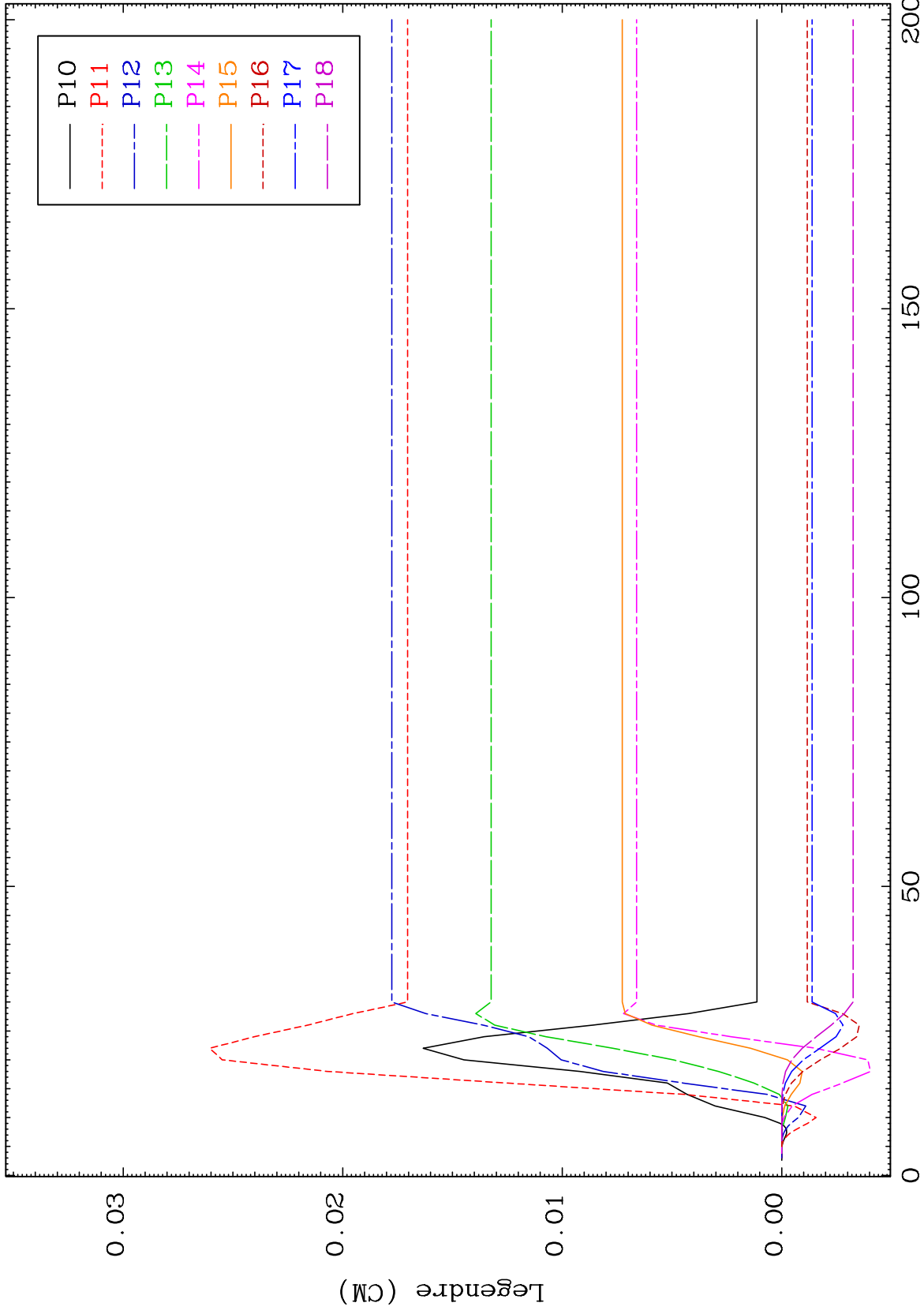
54-Xe-132

Incident Energy (MeV)

MAT 5449

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

54-Xe-132



91

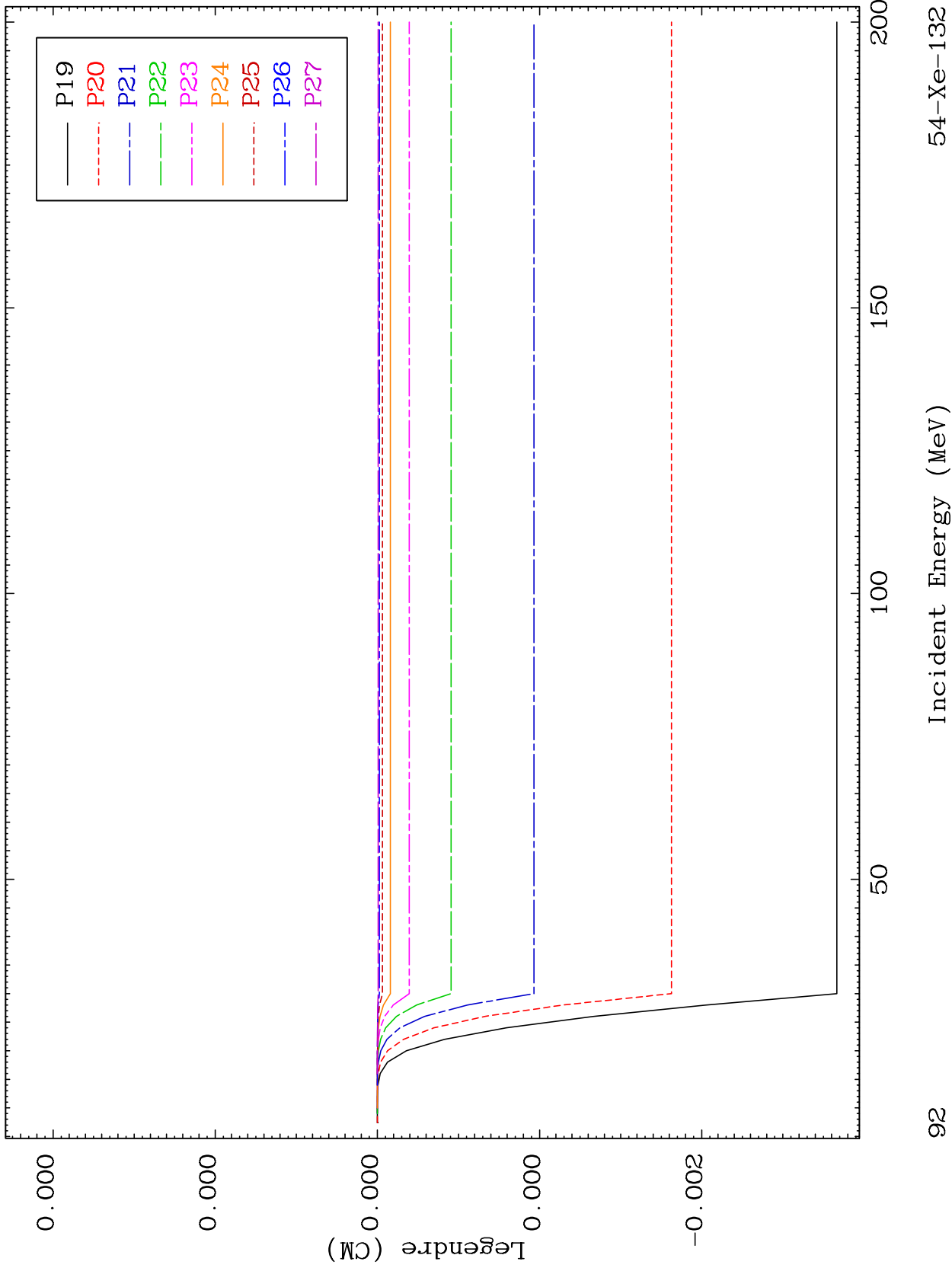
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



92

Incident Energy (MeV)

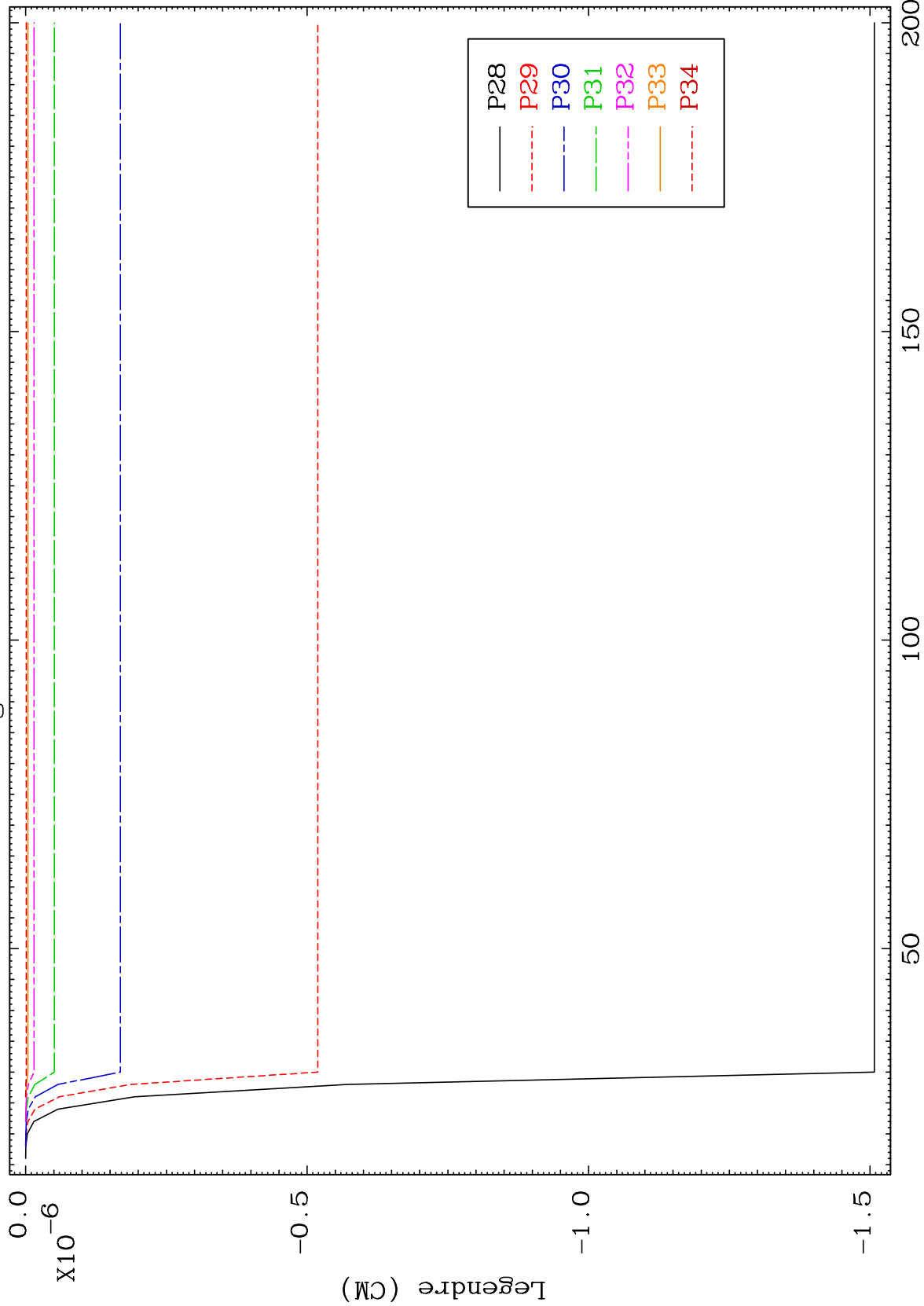
54-Xe-132

MAT 5449

MT= 70 (n,n') Level

54-Xe-132

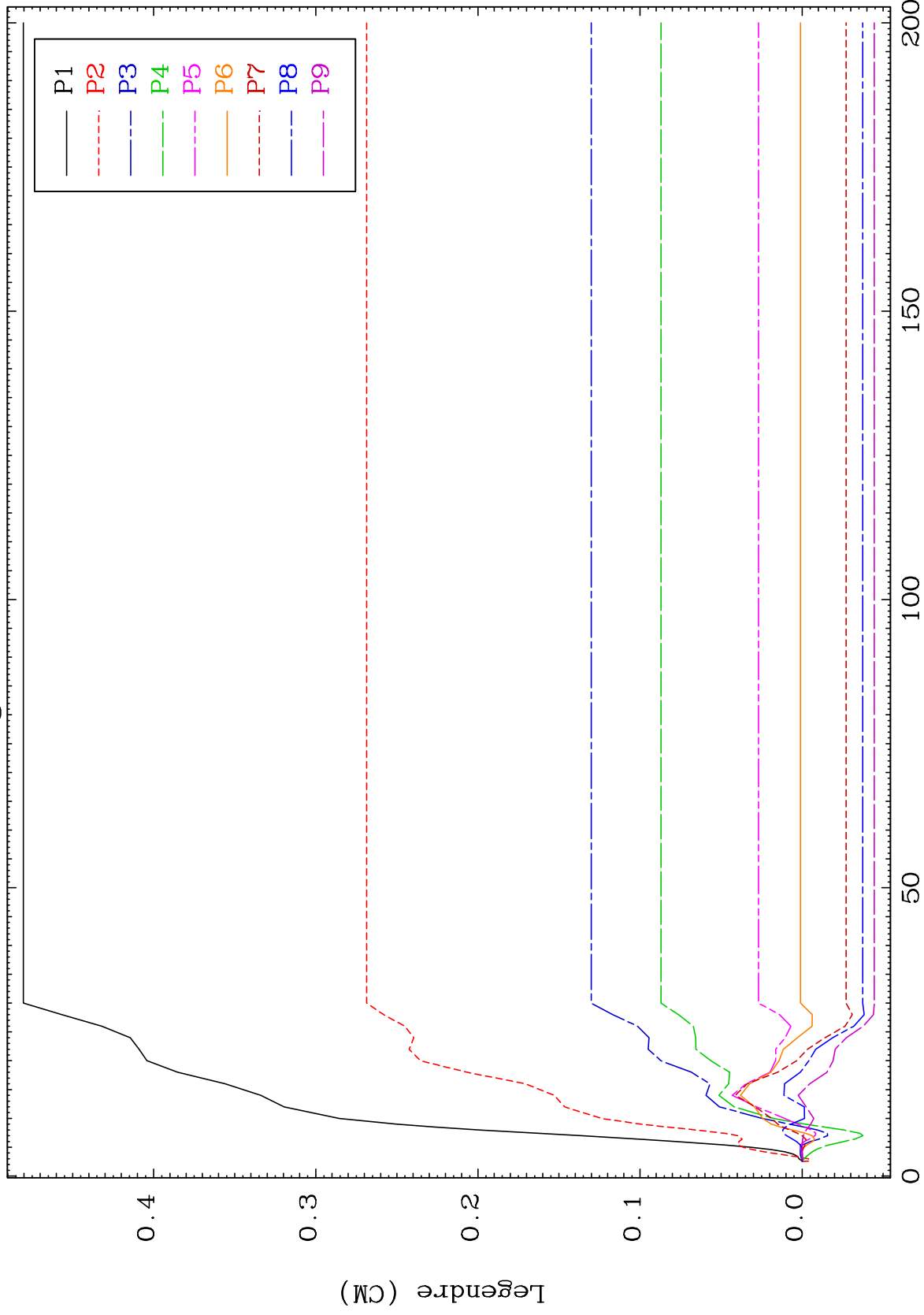
Legendre Coefficients



MAT 5449

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

54-Xe-132



94

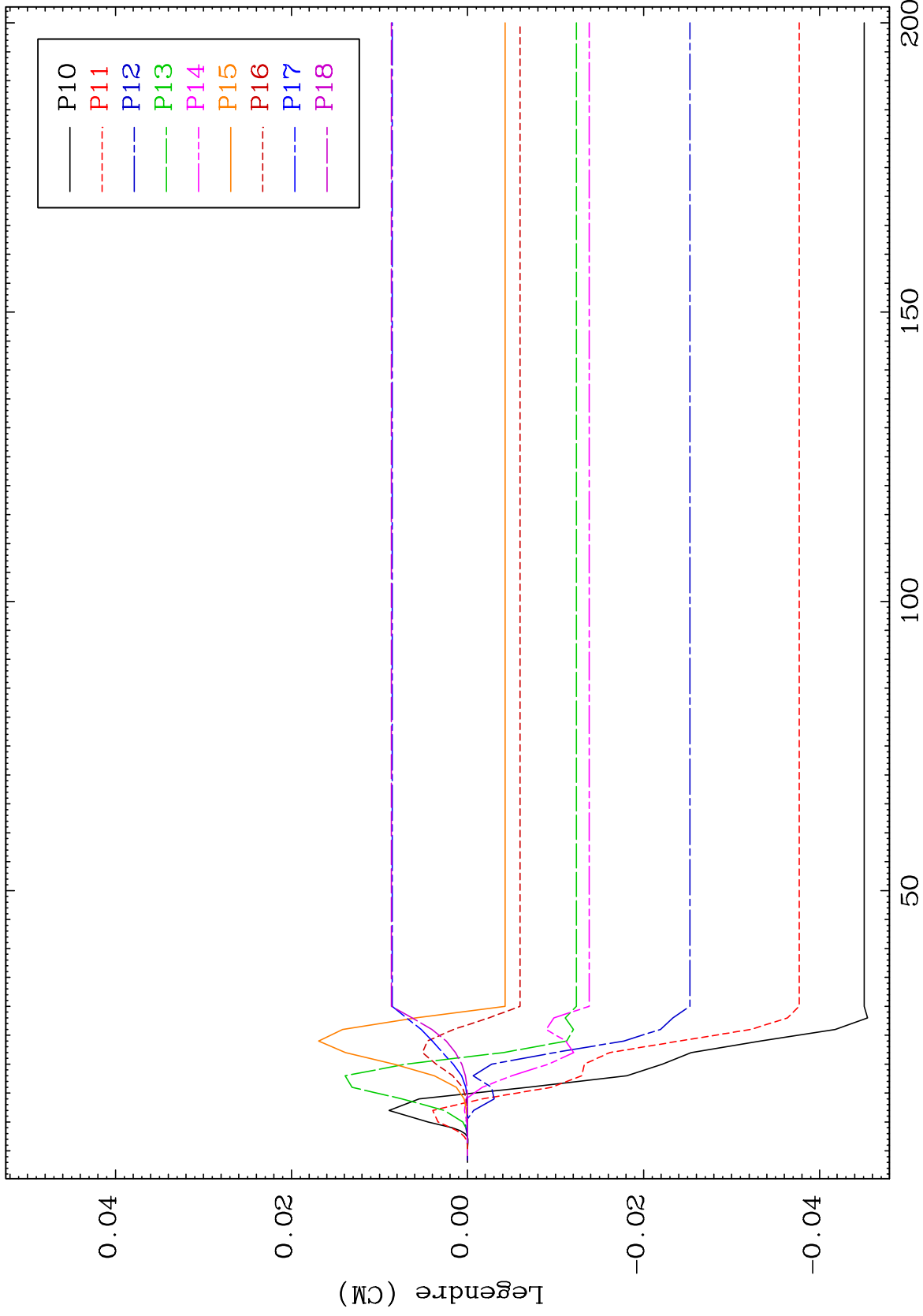
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132

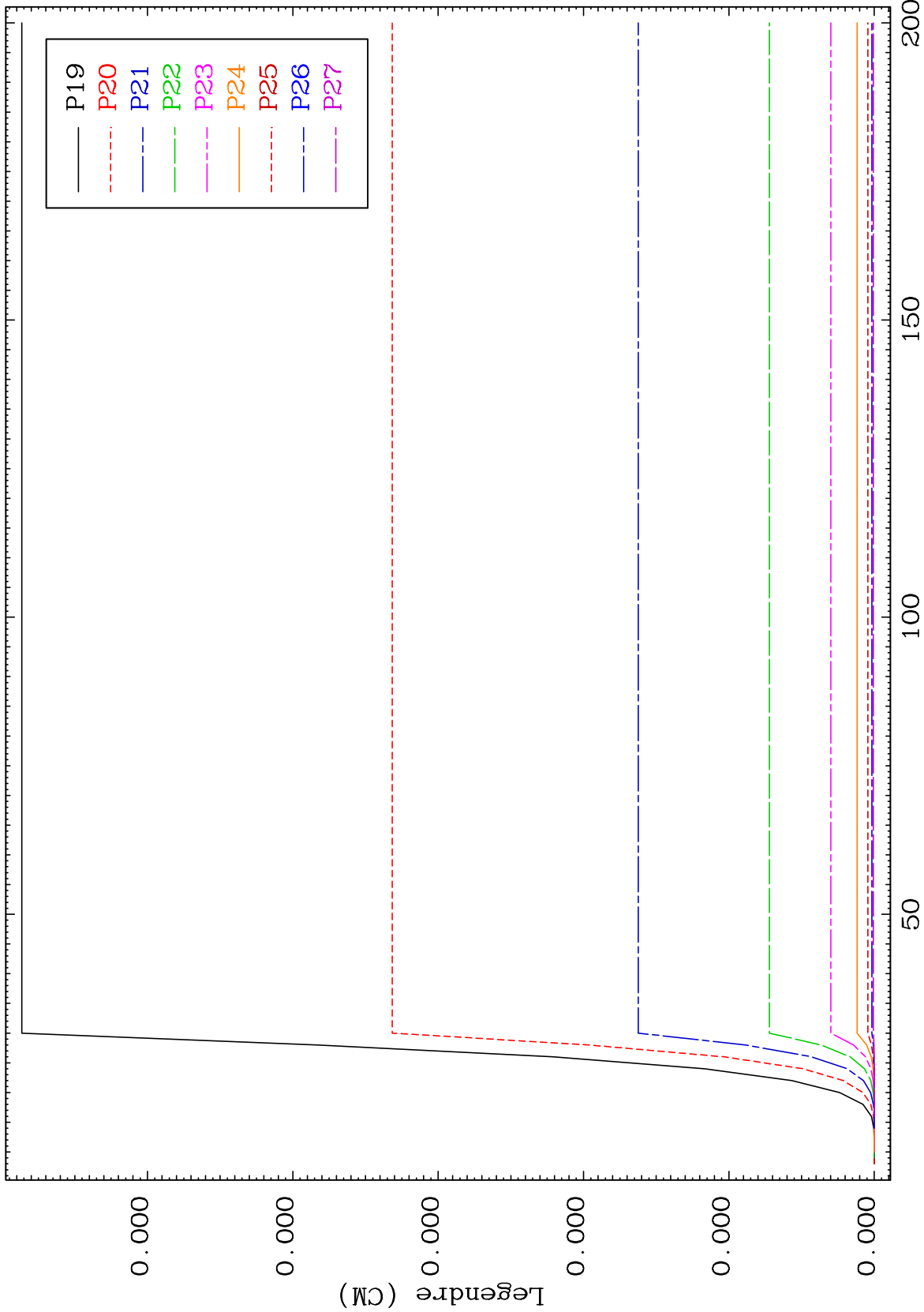


95

Incident Energy (MeV)

54-Xe-132

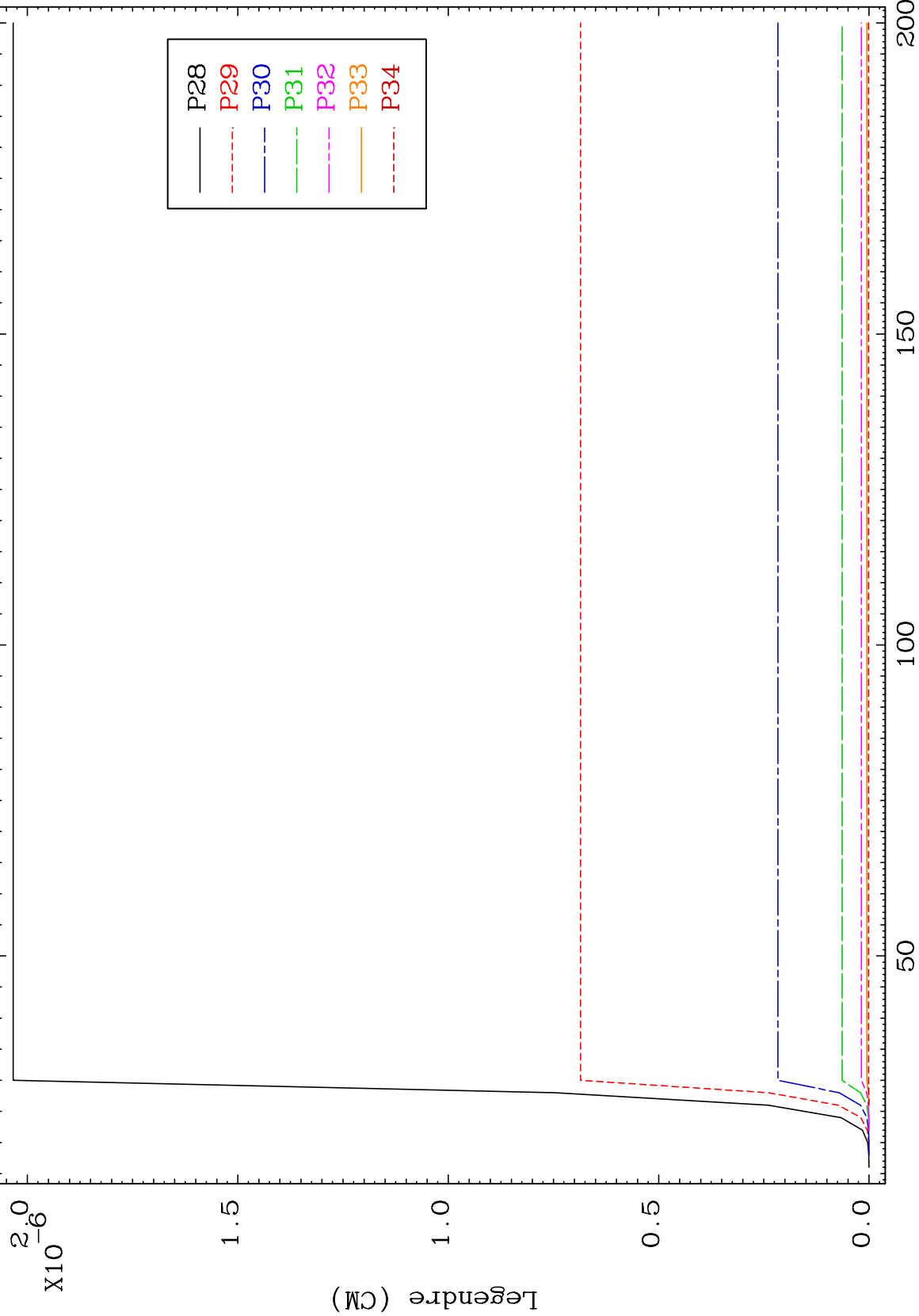




MAT 5449

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

54-Xe-132



97

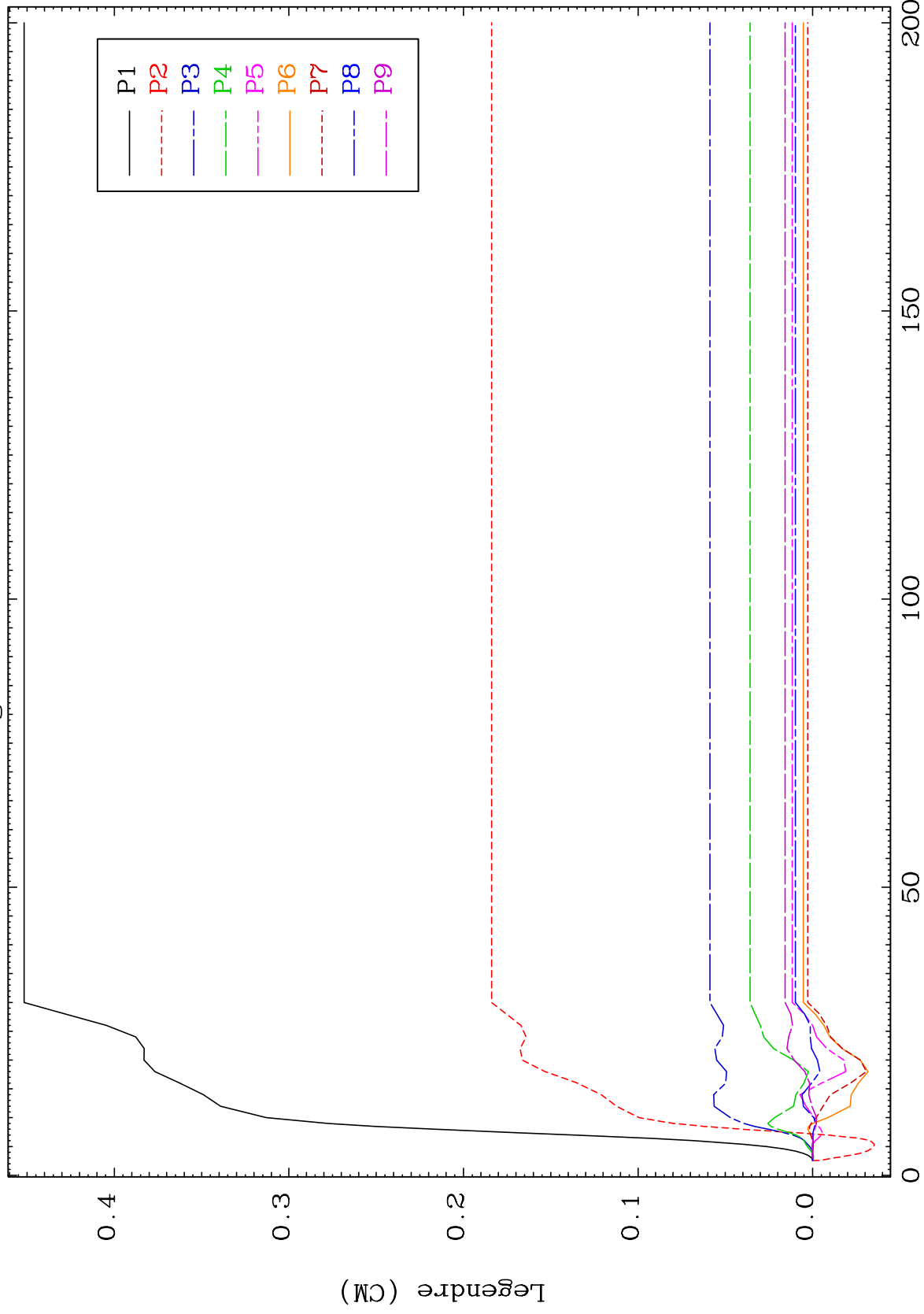
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

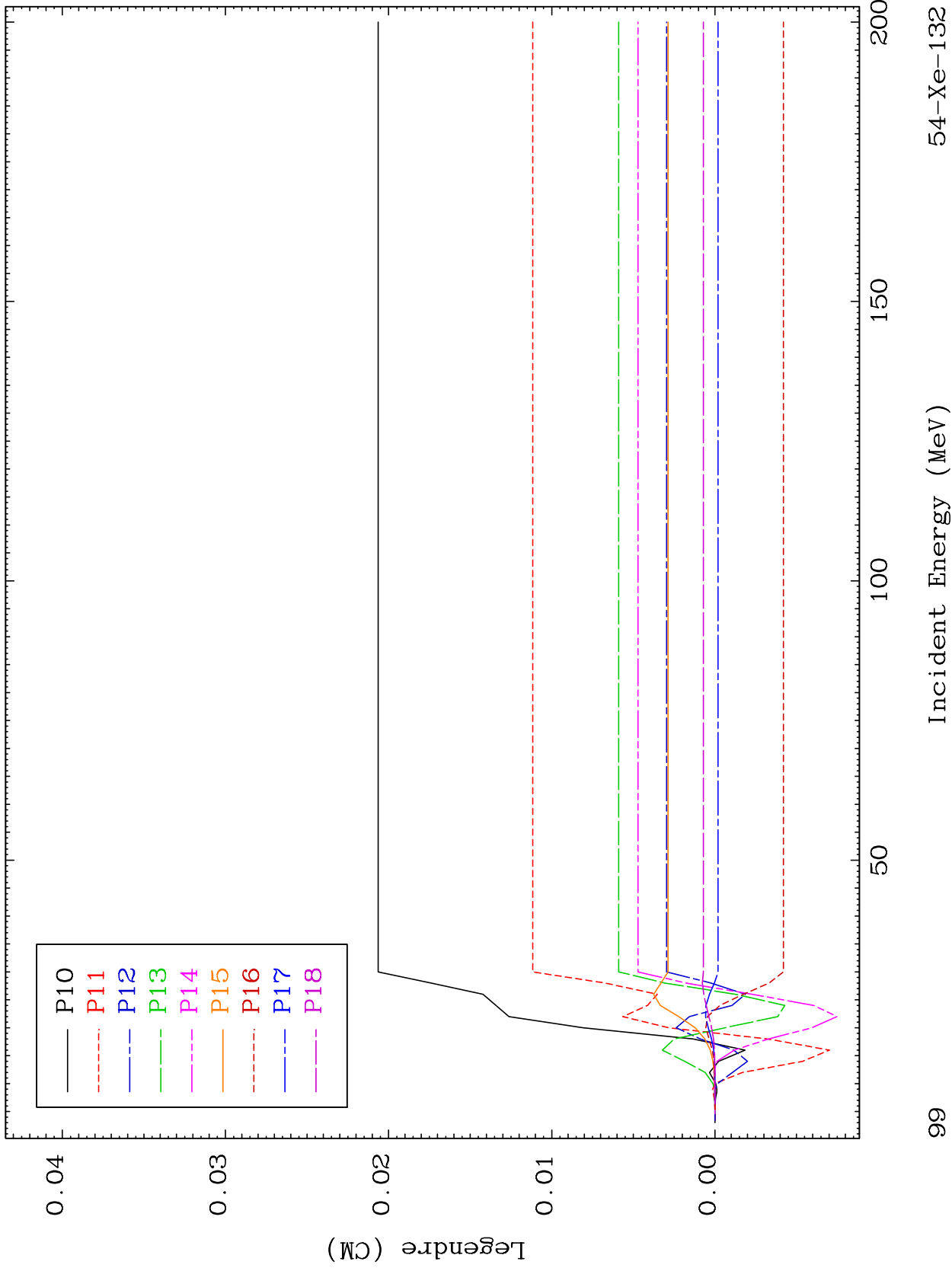
54-Xe-132



98

Incident Energy (MeV)

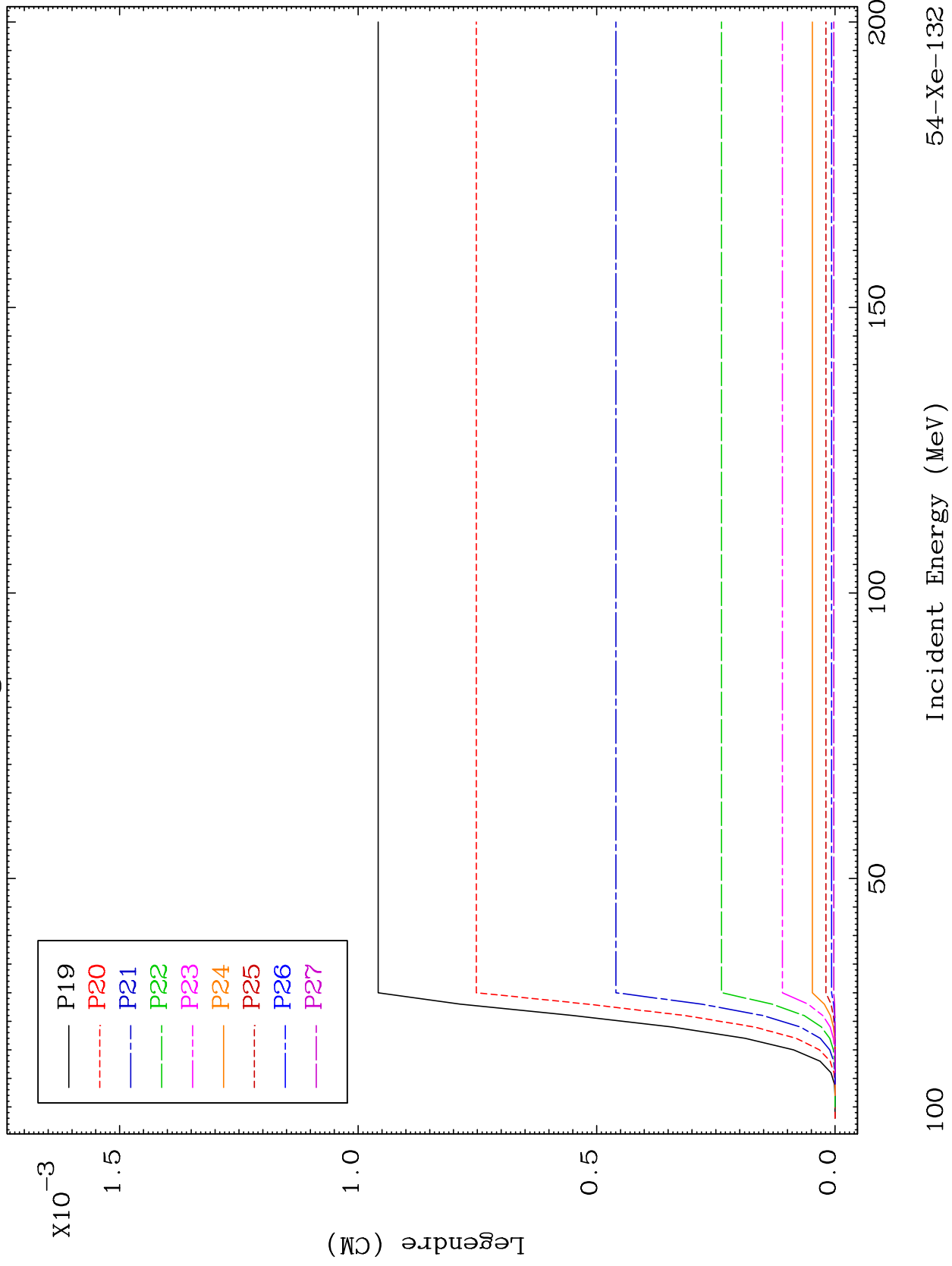
54-Xe-132



MAT 5449

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

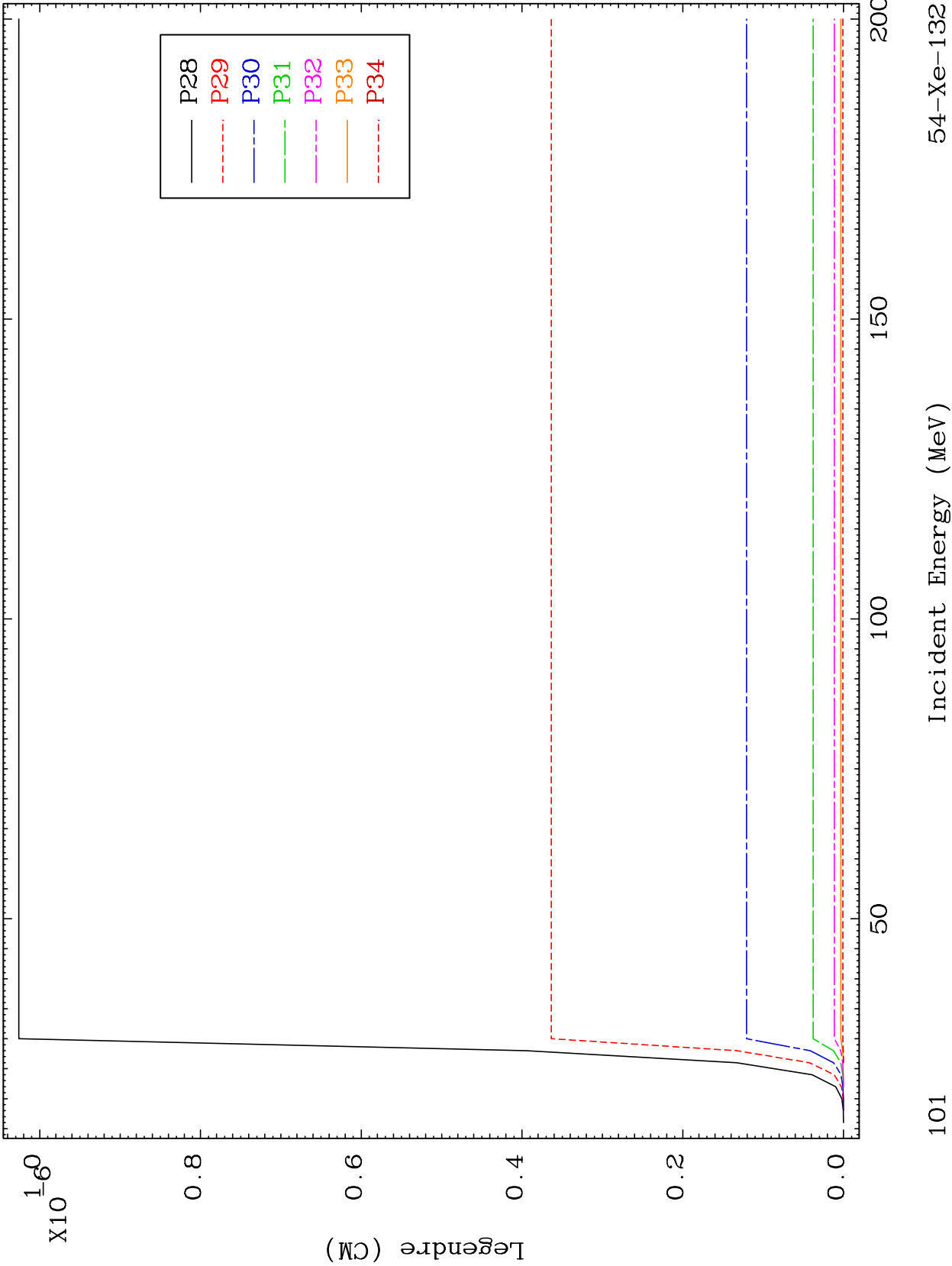
54-Xe-132



MAT 5449

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

54-Xe-132



101

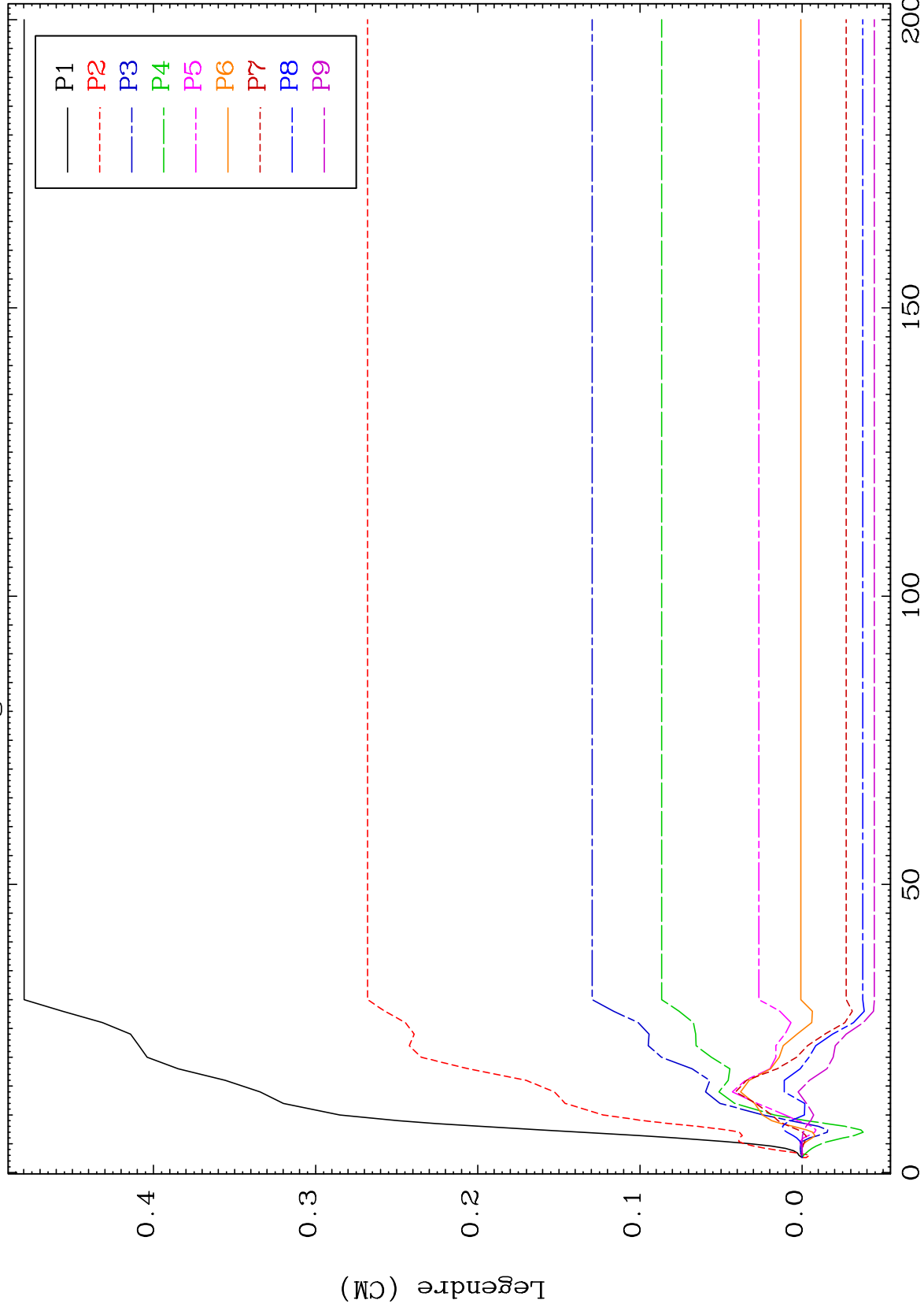
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



102

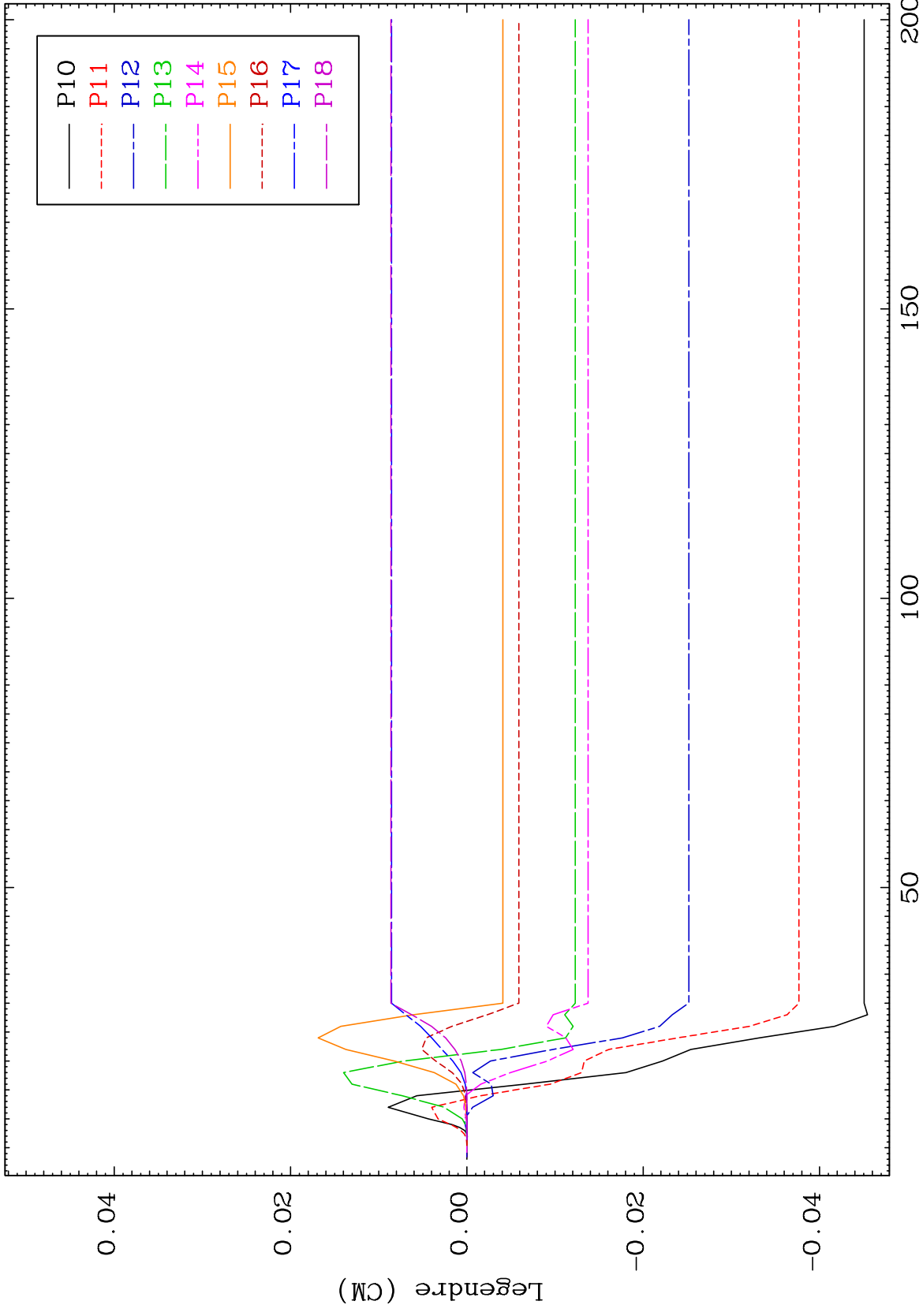
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



103

Incident Energy (MeV)

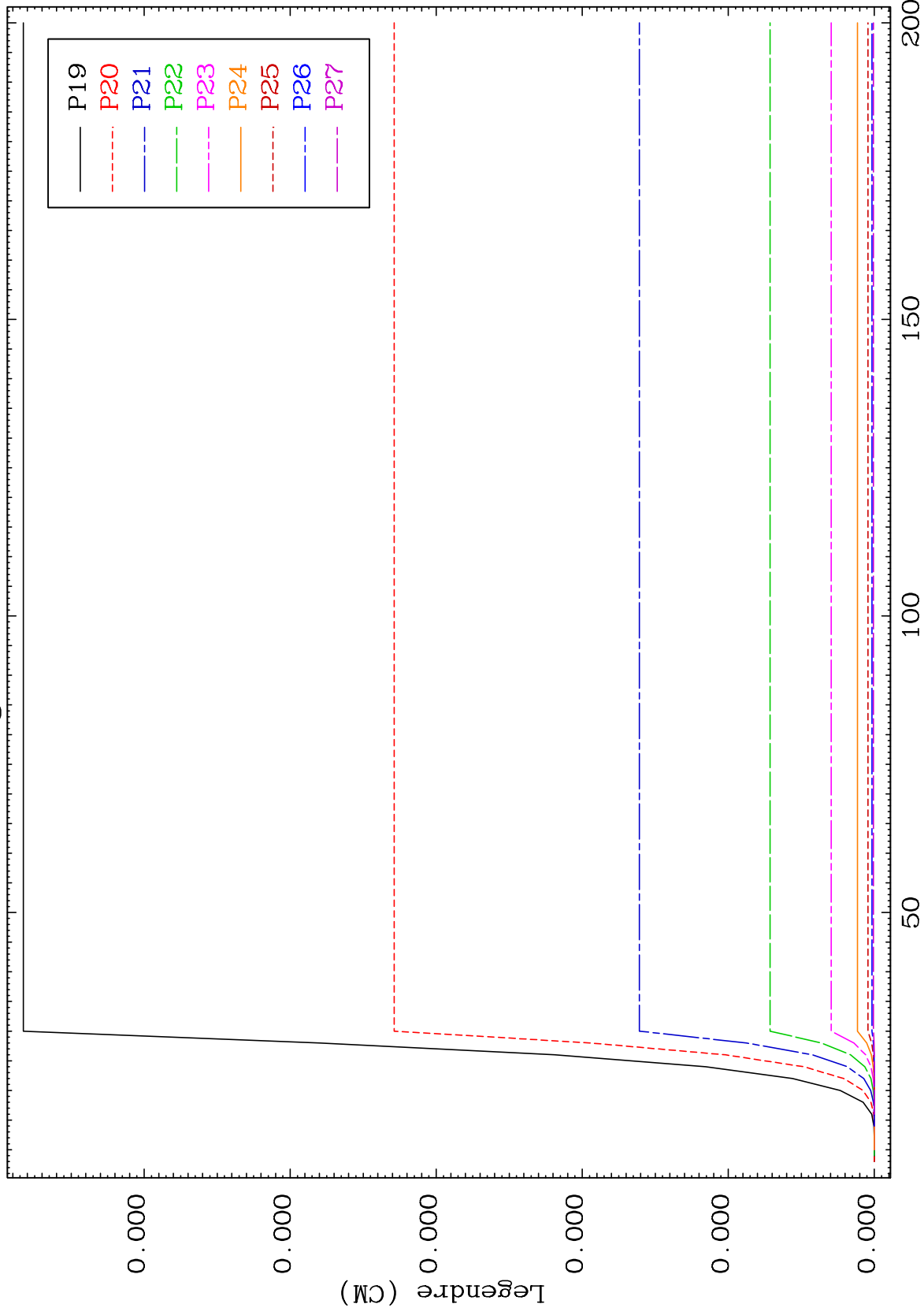
54-Xe-132



MAT 5449

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

54-Xe-132



104

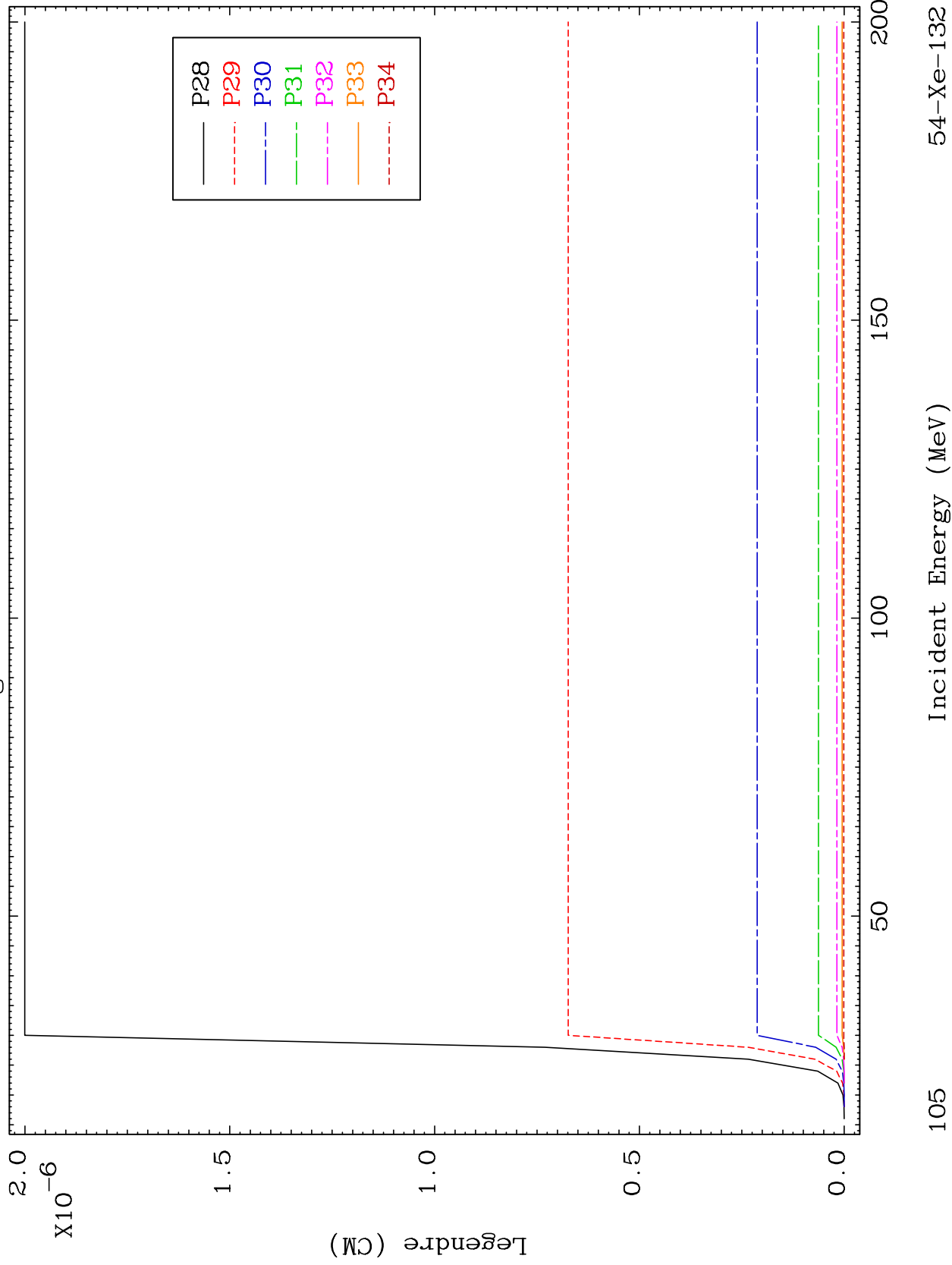
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



54-Xe-132

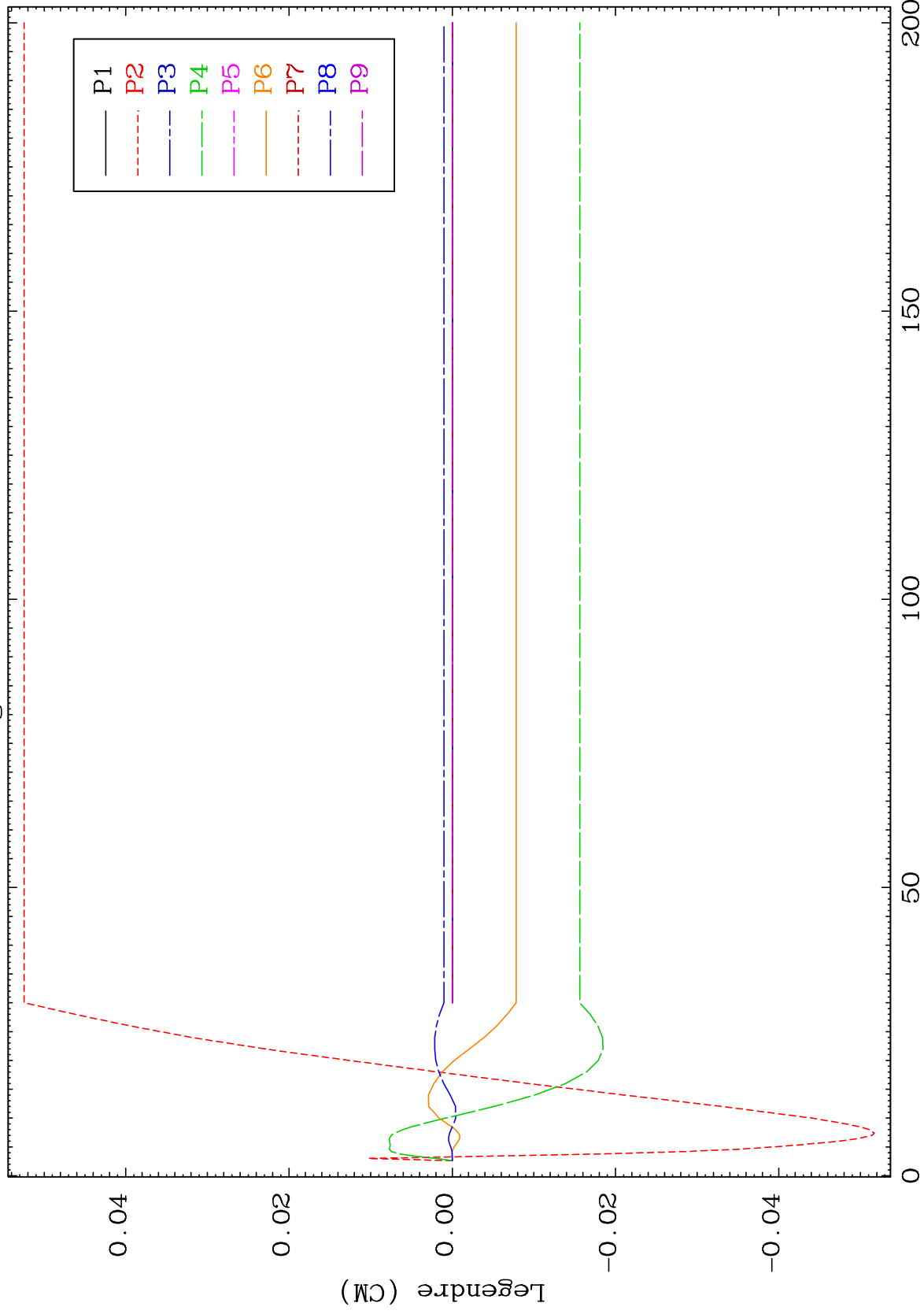
Incident Energy (MeV)

105

MAT 5449

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

54-Xe-132



54-Xe-132

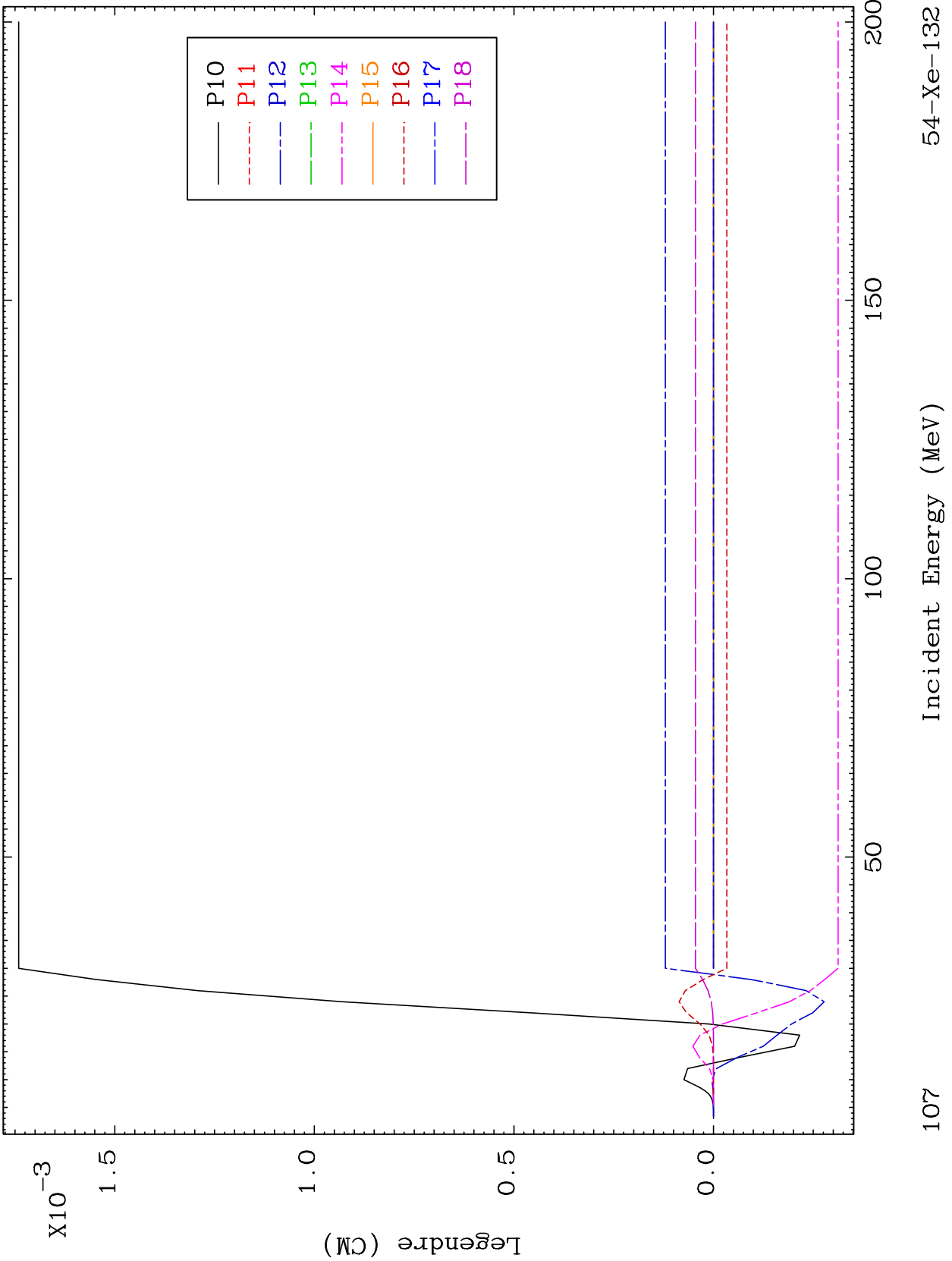
Incident Energy (MeV)

106

MAT 5449

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

54-Xe-132



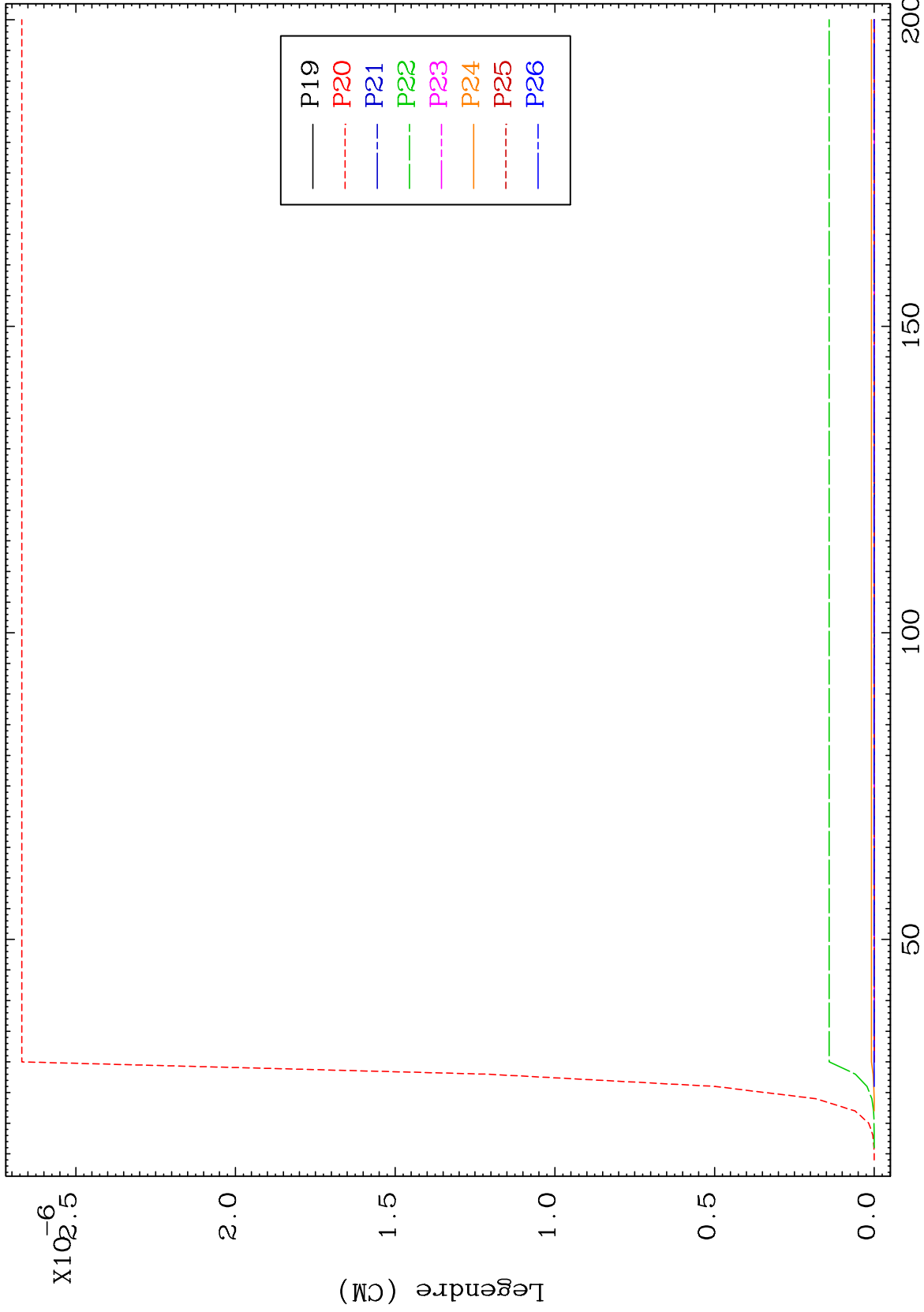
107

54-Xe-132

MAT 5449

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

54-Xe-132



108

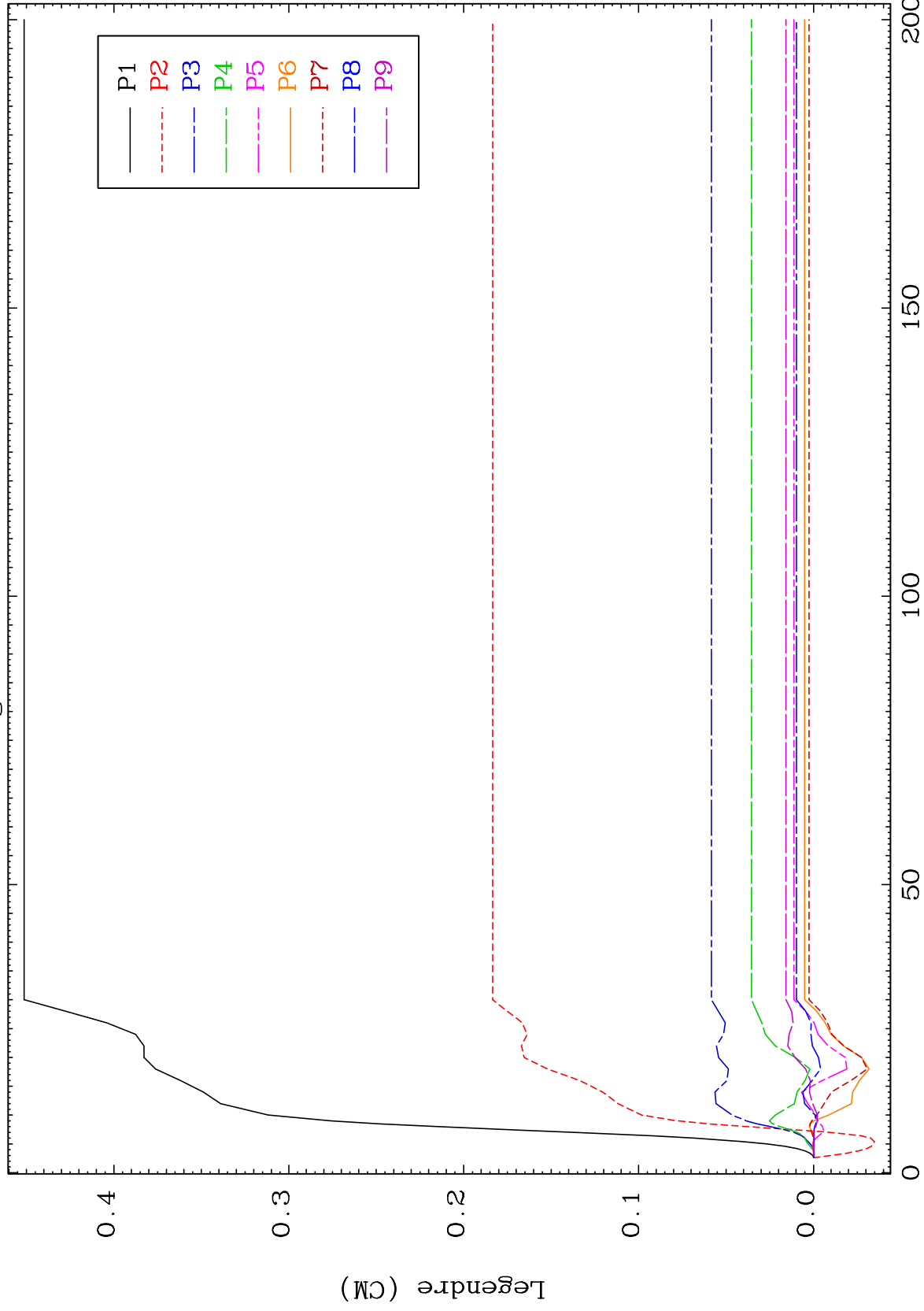
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



54-Xe-132

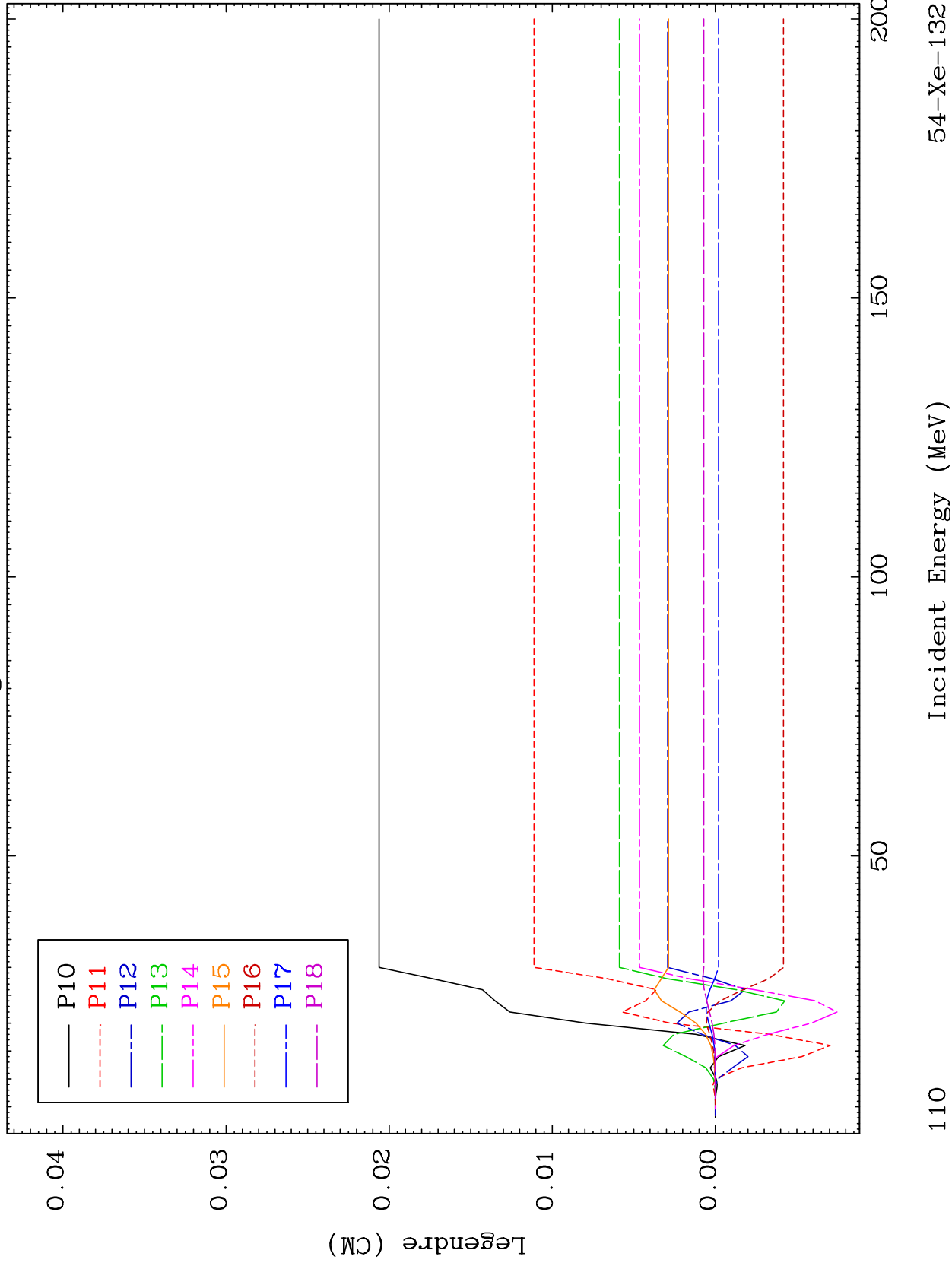
Incident Energy (MeV)

109

MAT 5449

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

54-Xe-132



54-Xe-132

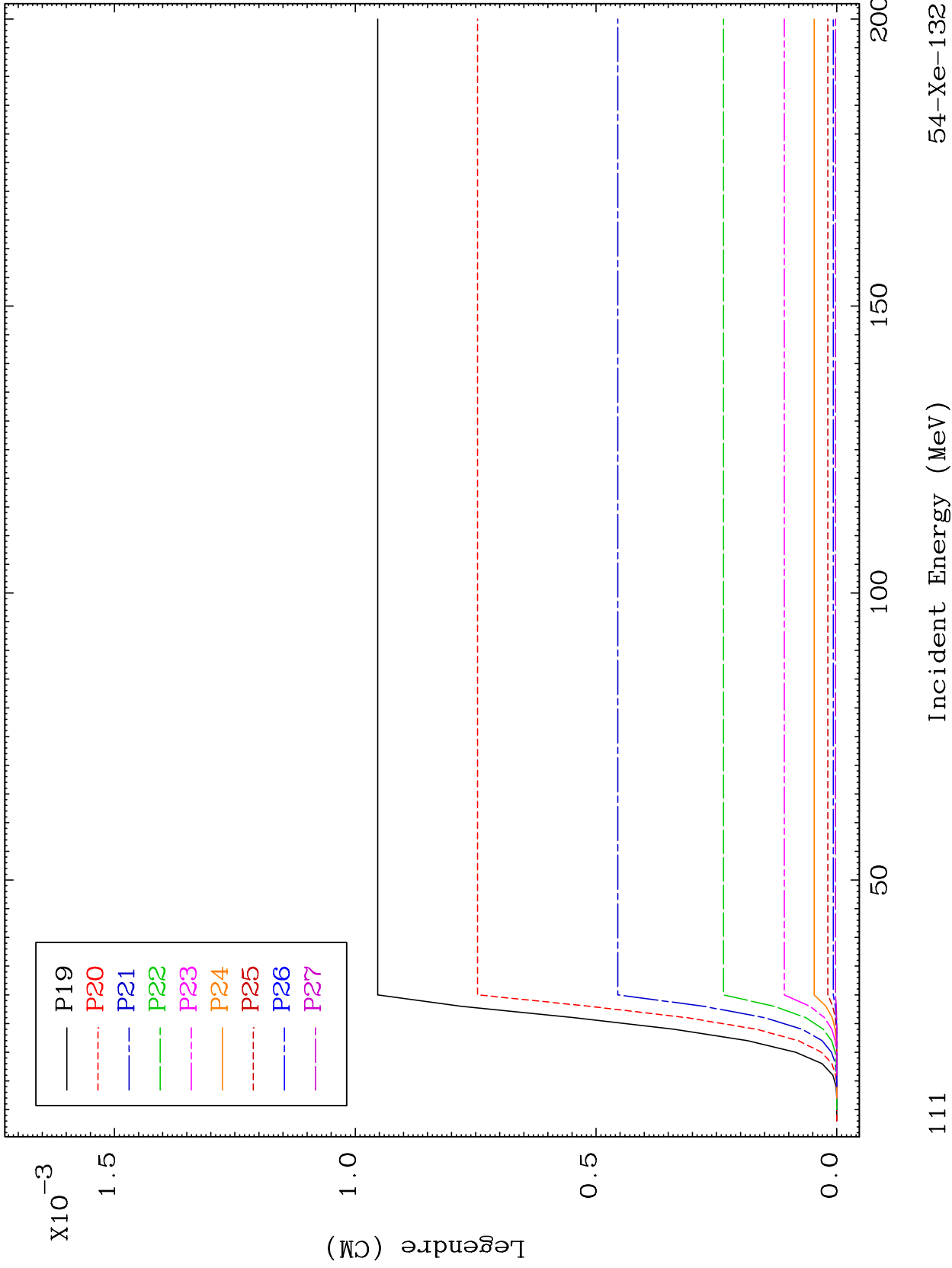
Incident Energy (MeV)

110

MAT 5449

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

54-Xe-132



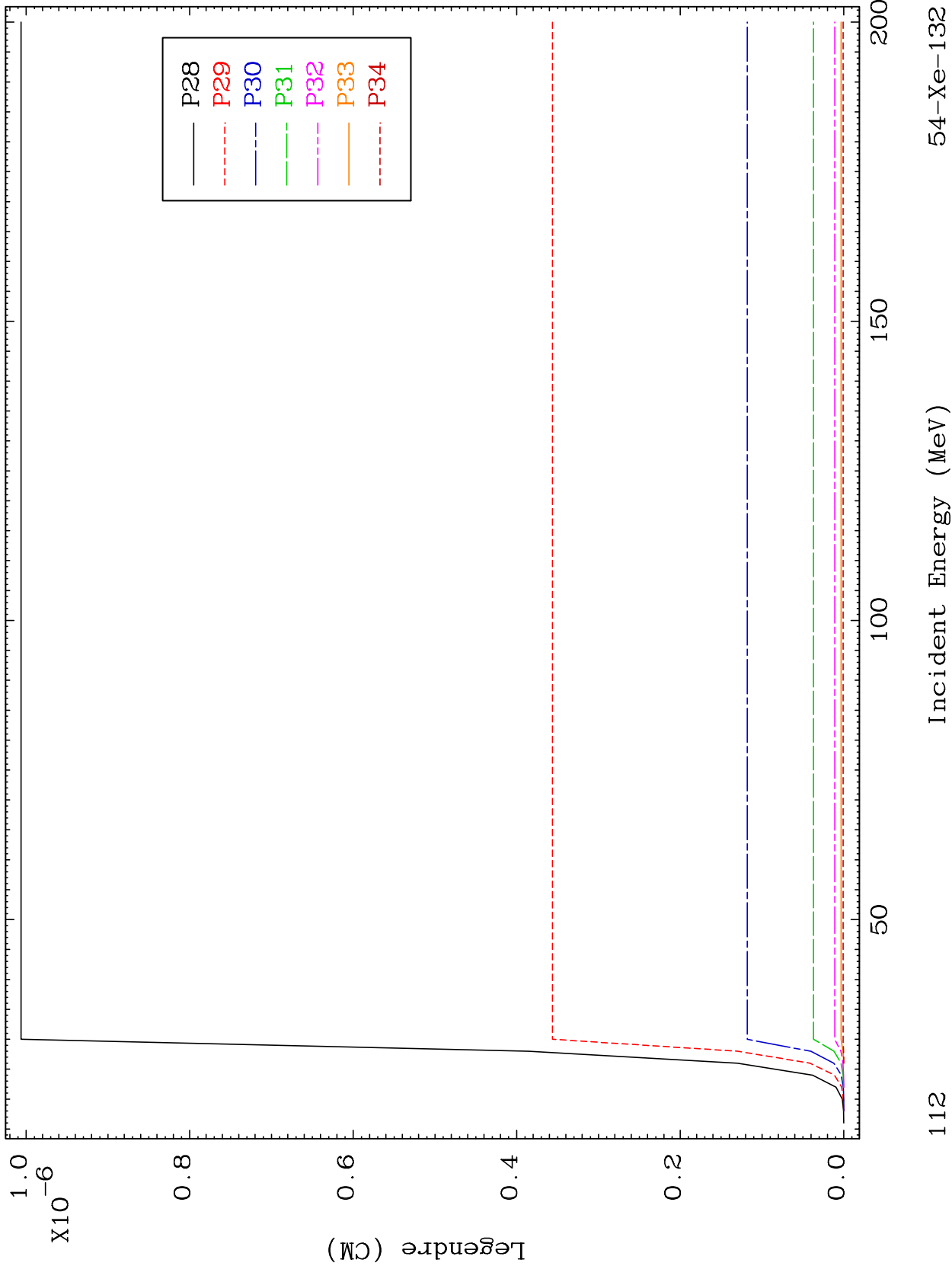
111



MAT 5449

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

54-Xe-132



112

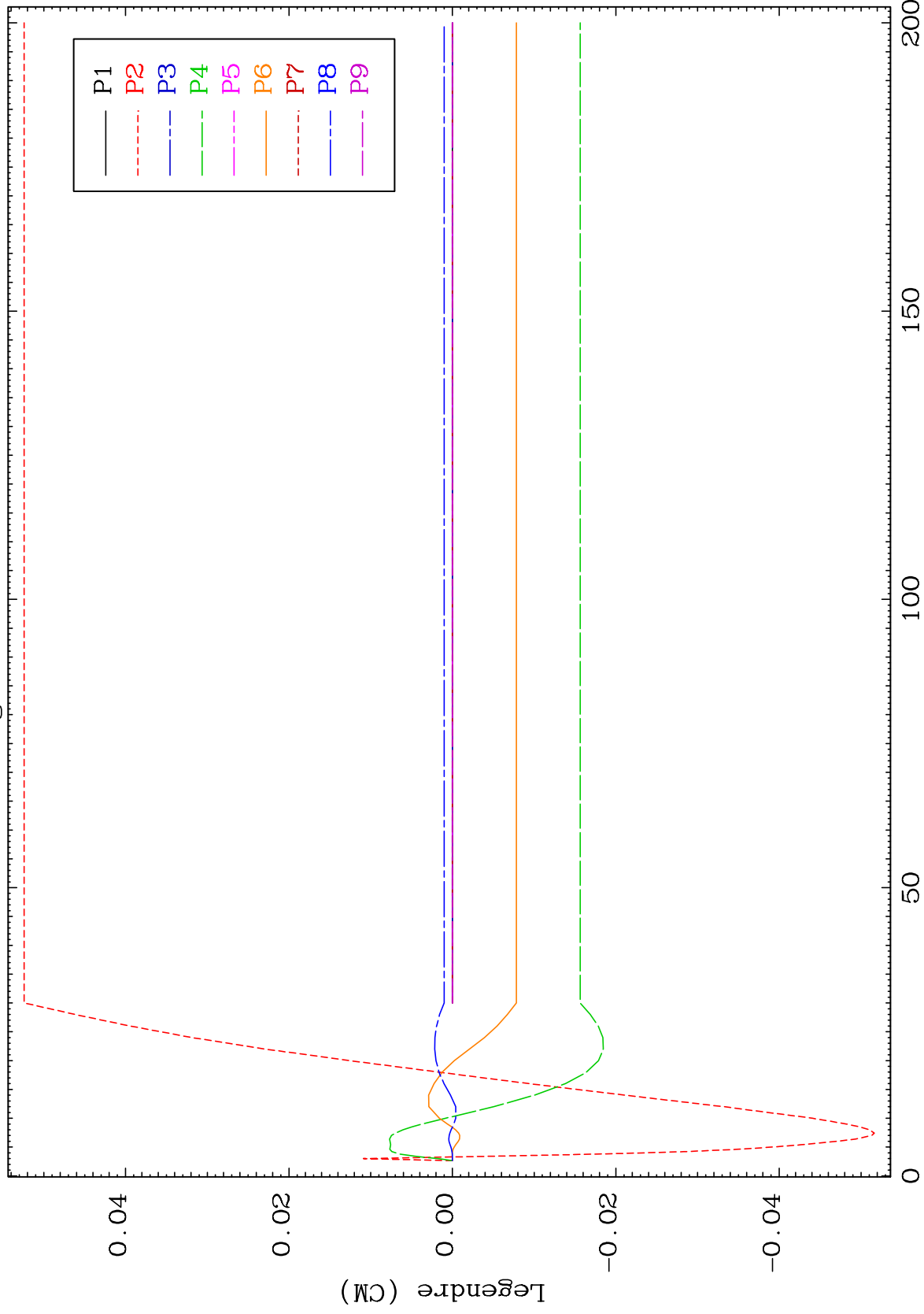
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



113

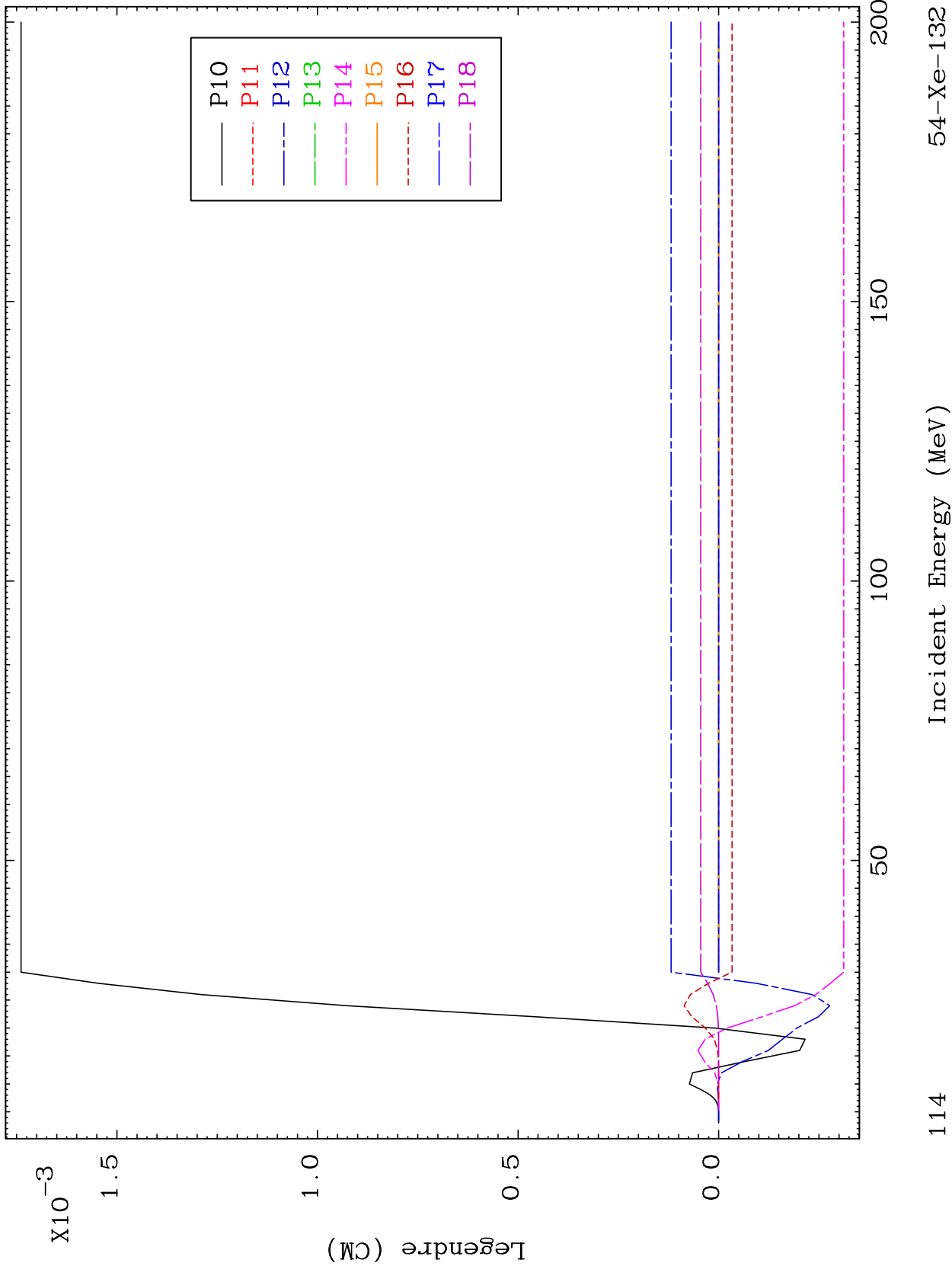
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



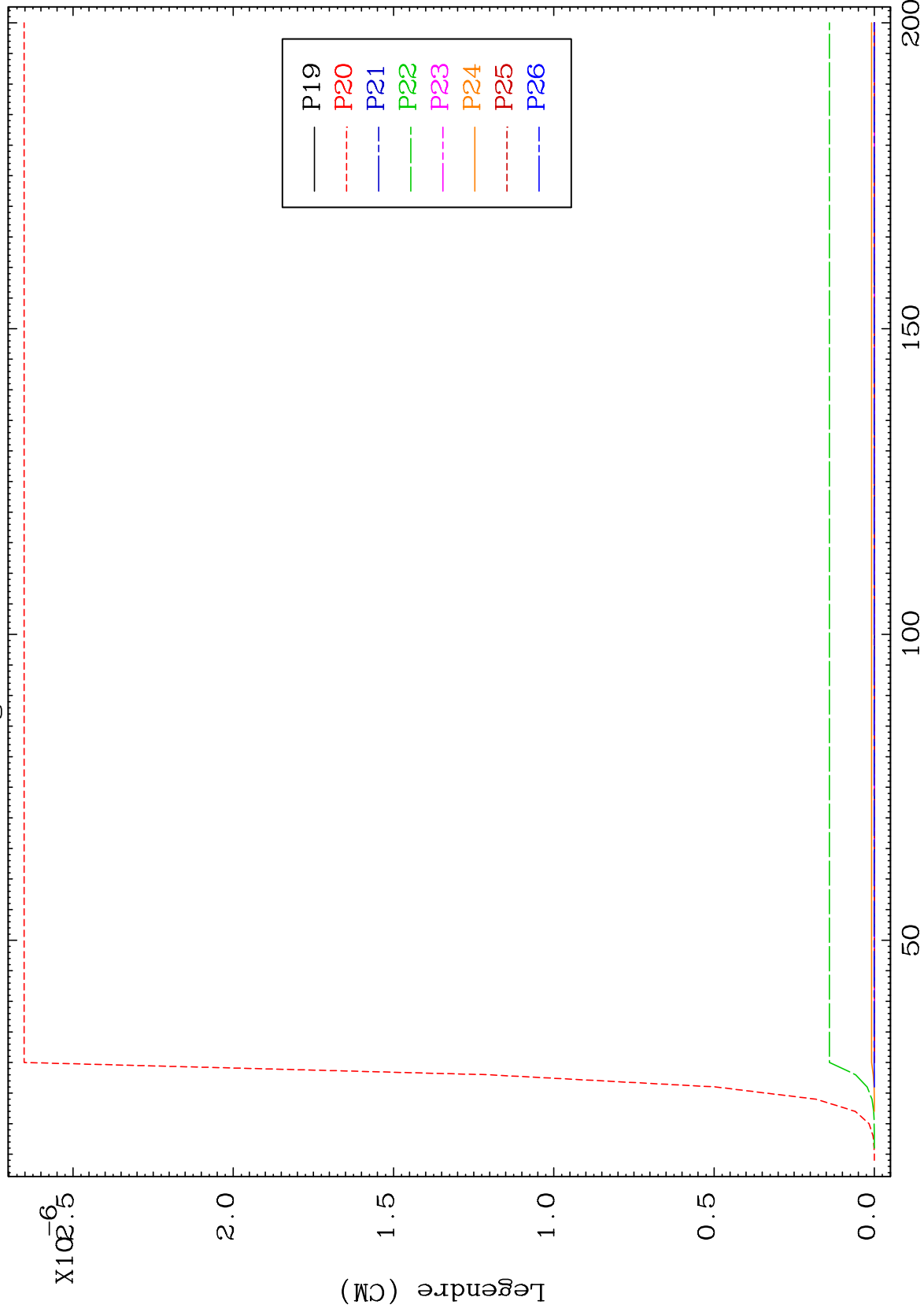
114

54-Xe-132

MAT 5449

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

54-Xe-132



115

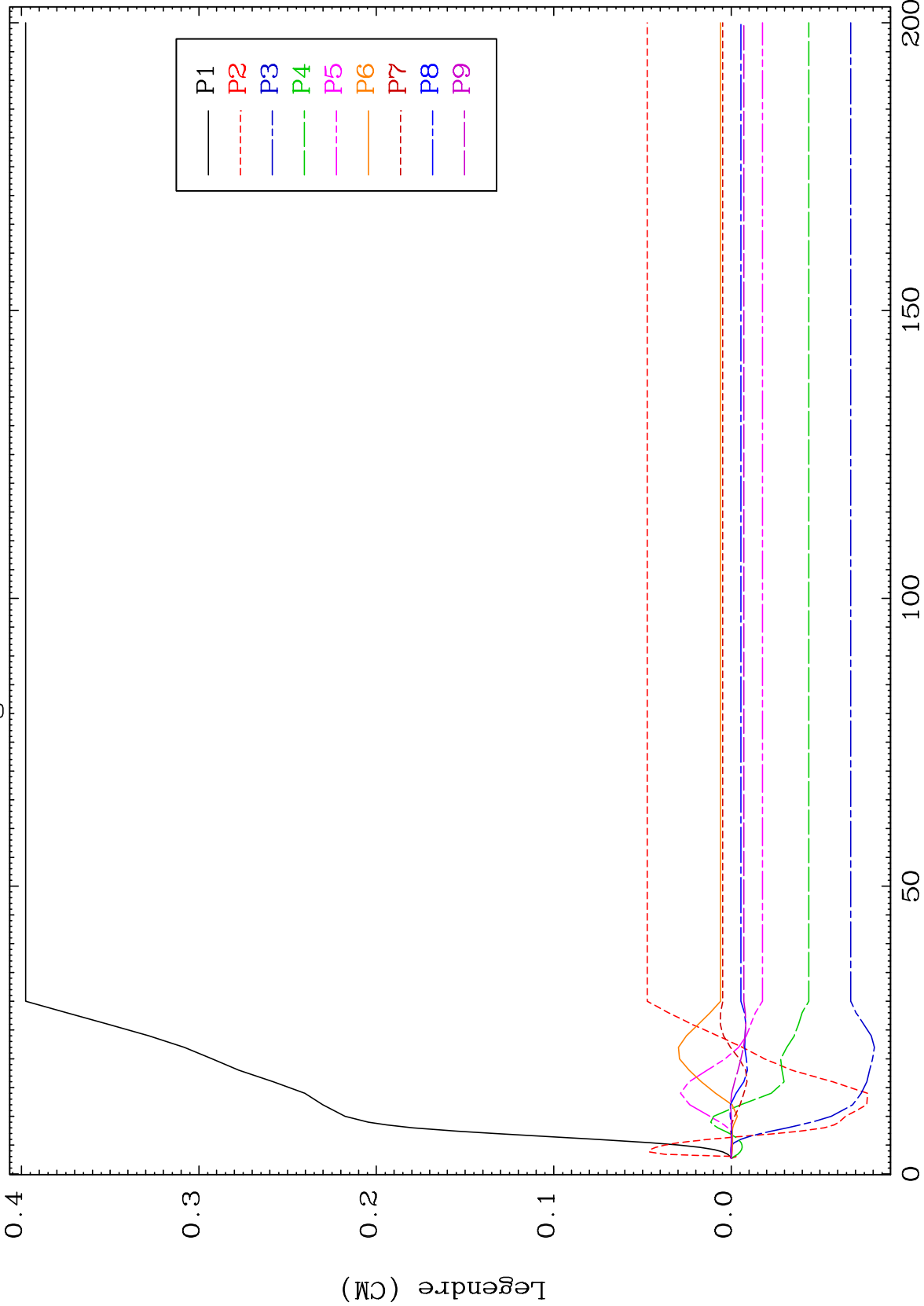
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



116

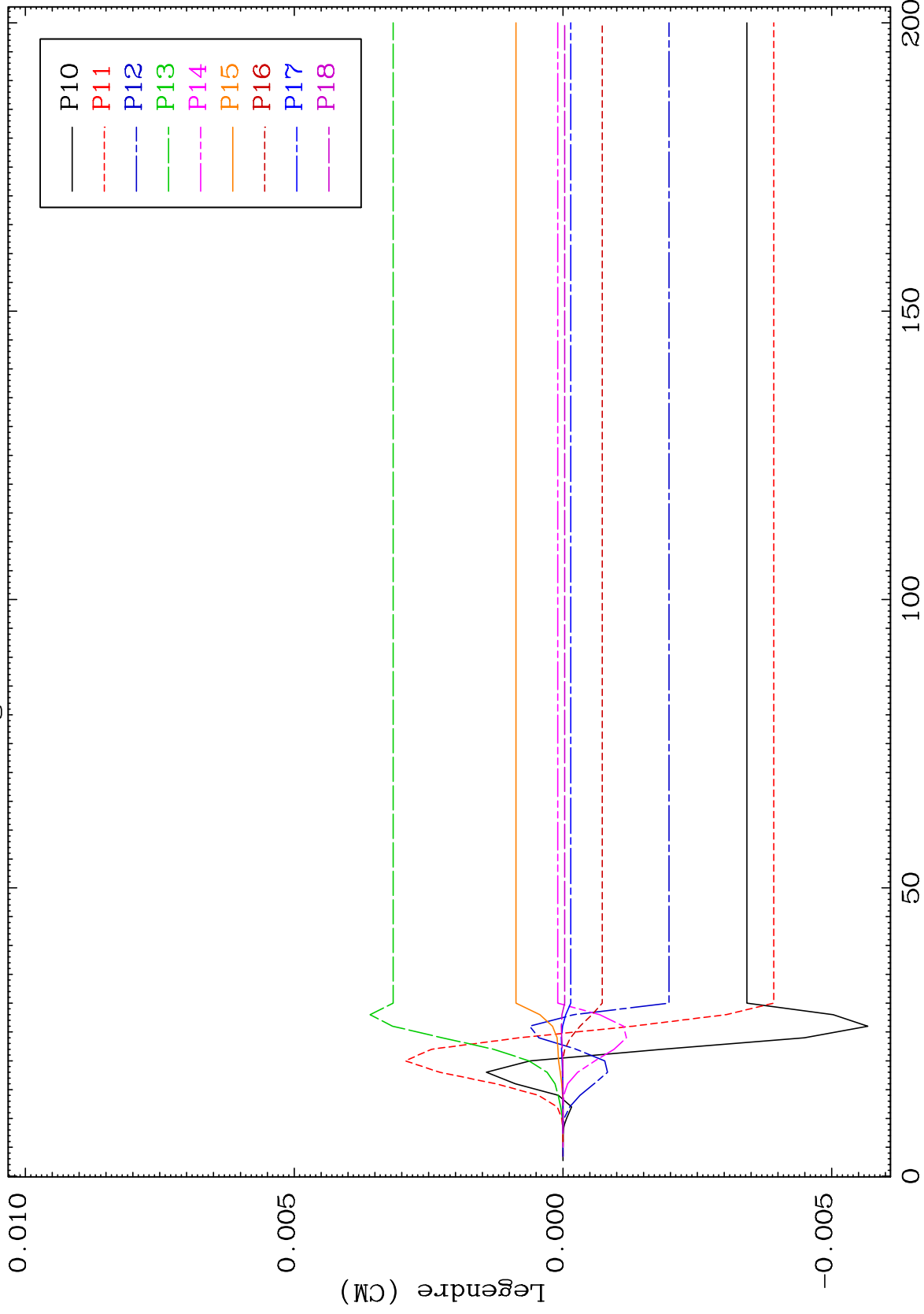
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



117

Incident Energy (MeV)

54-Xe-132

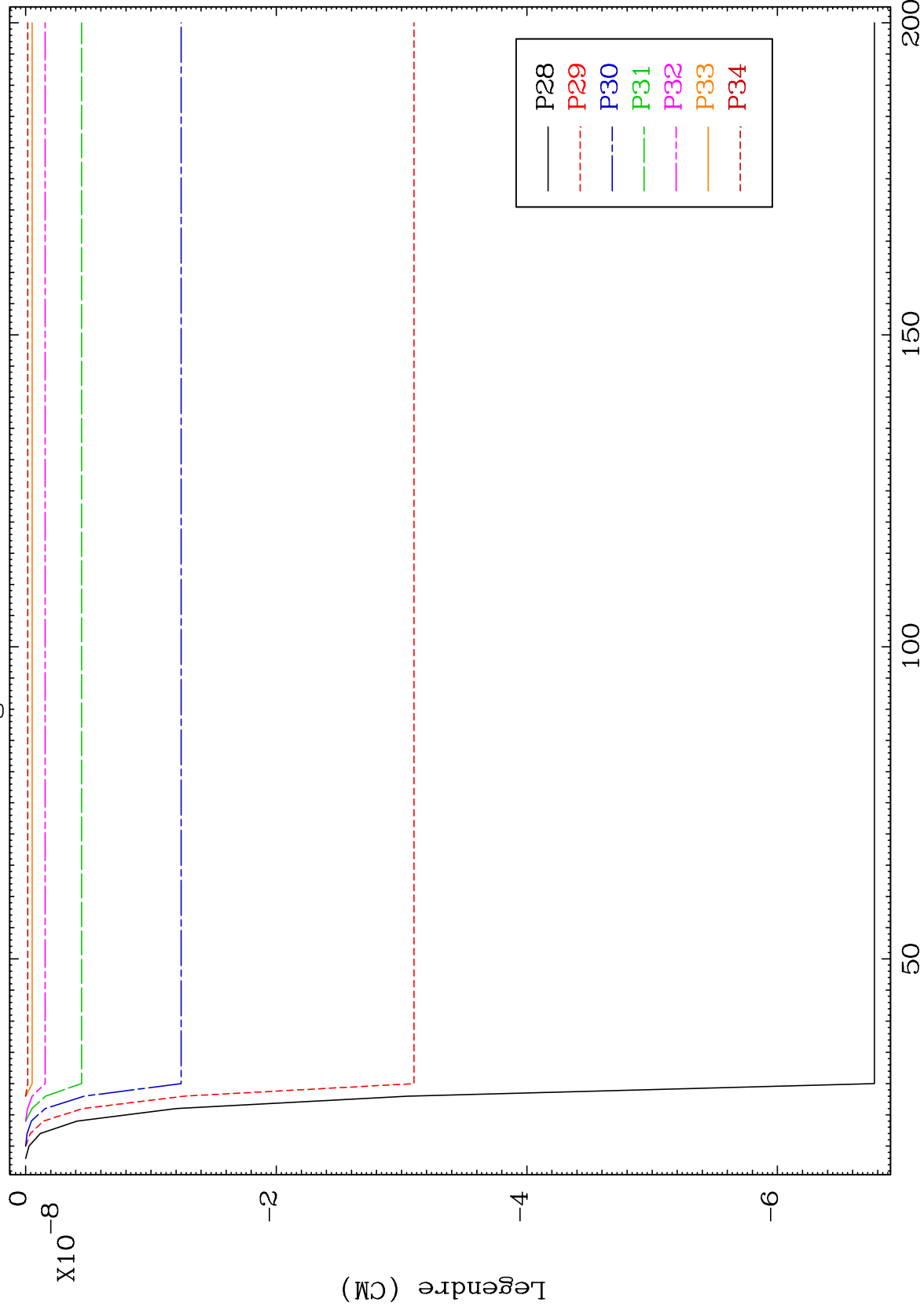


MAT 5449

MT= 77 (n,n') Level

54-Xe-132

Legendre Coefficients



119

Incident Energy (MeV)

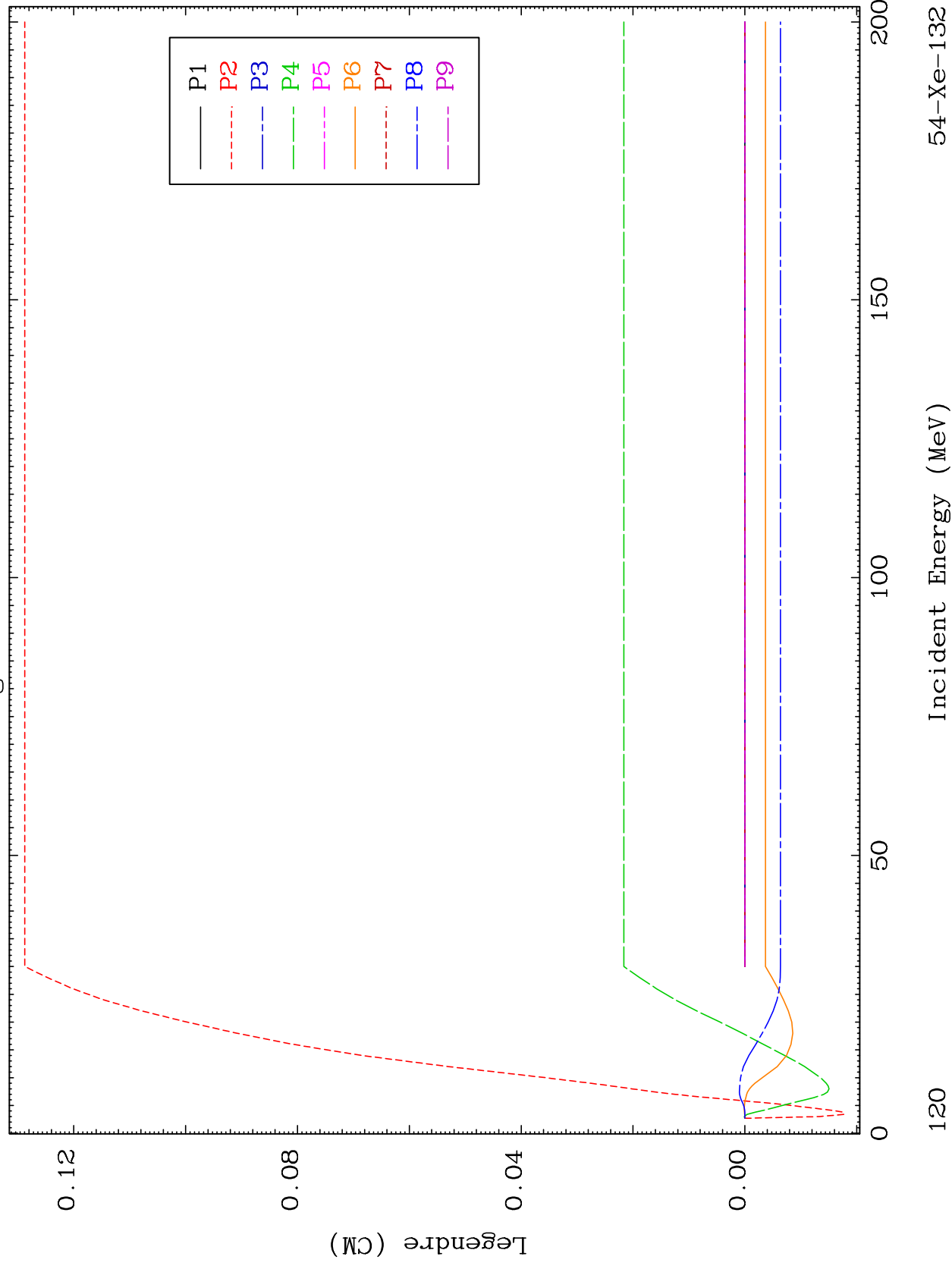
54-Xe-132



MAT 5449

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

54-Xe-132

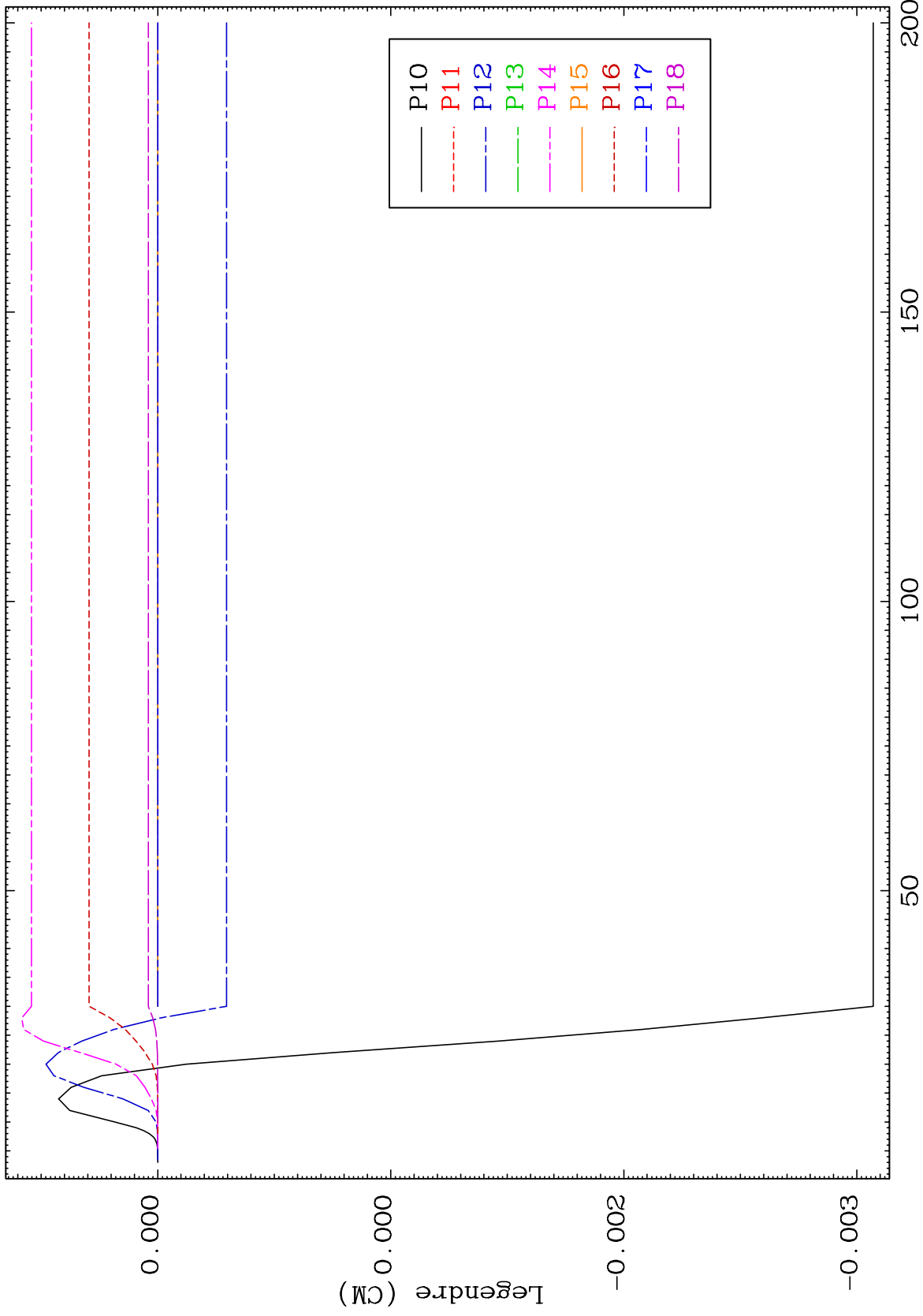


54-Xe-132

MAT 5449

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

54-Xe-132



121

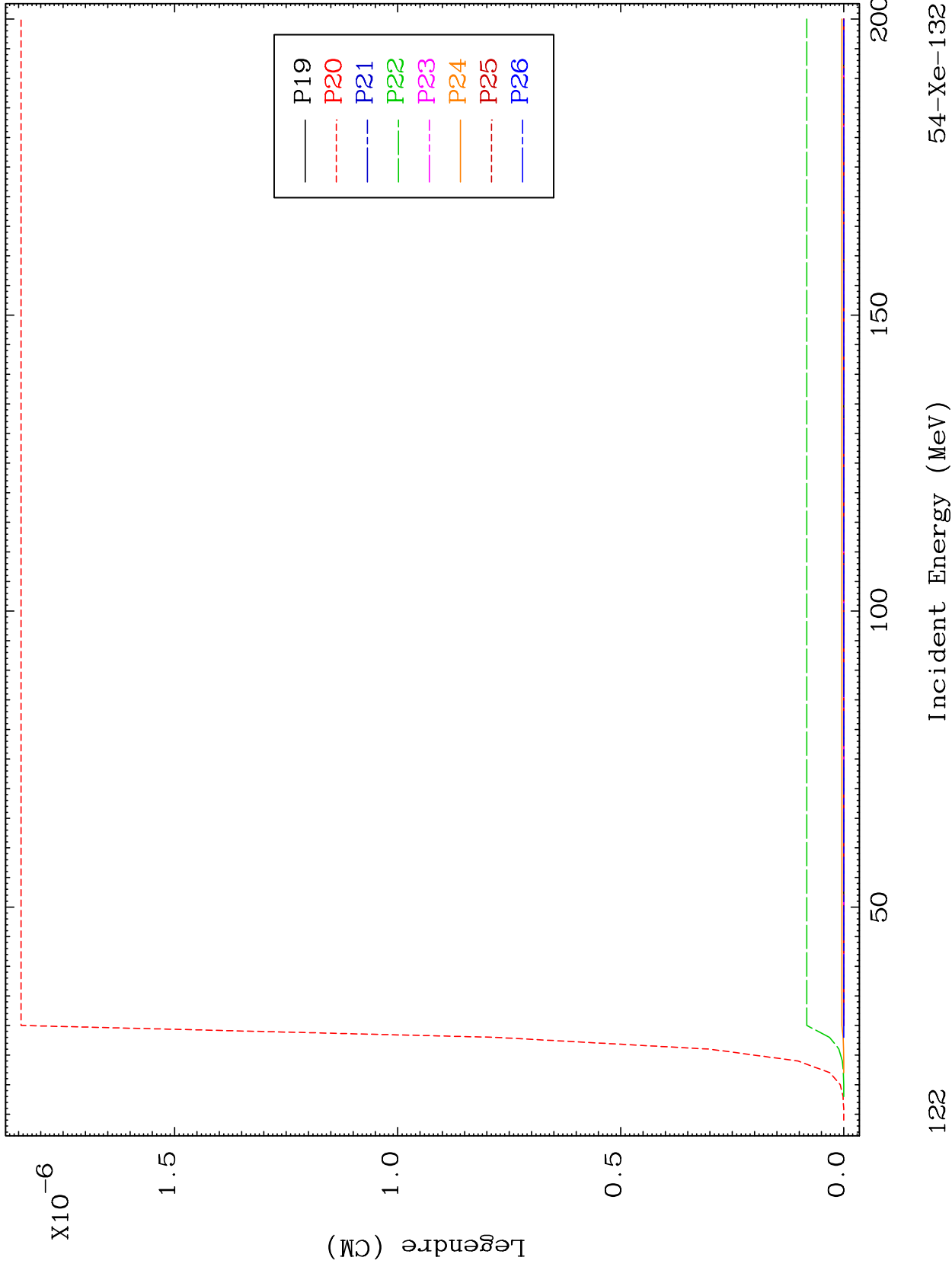
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

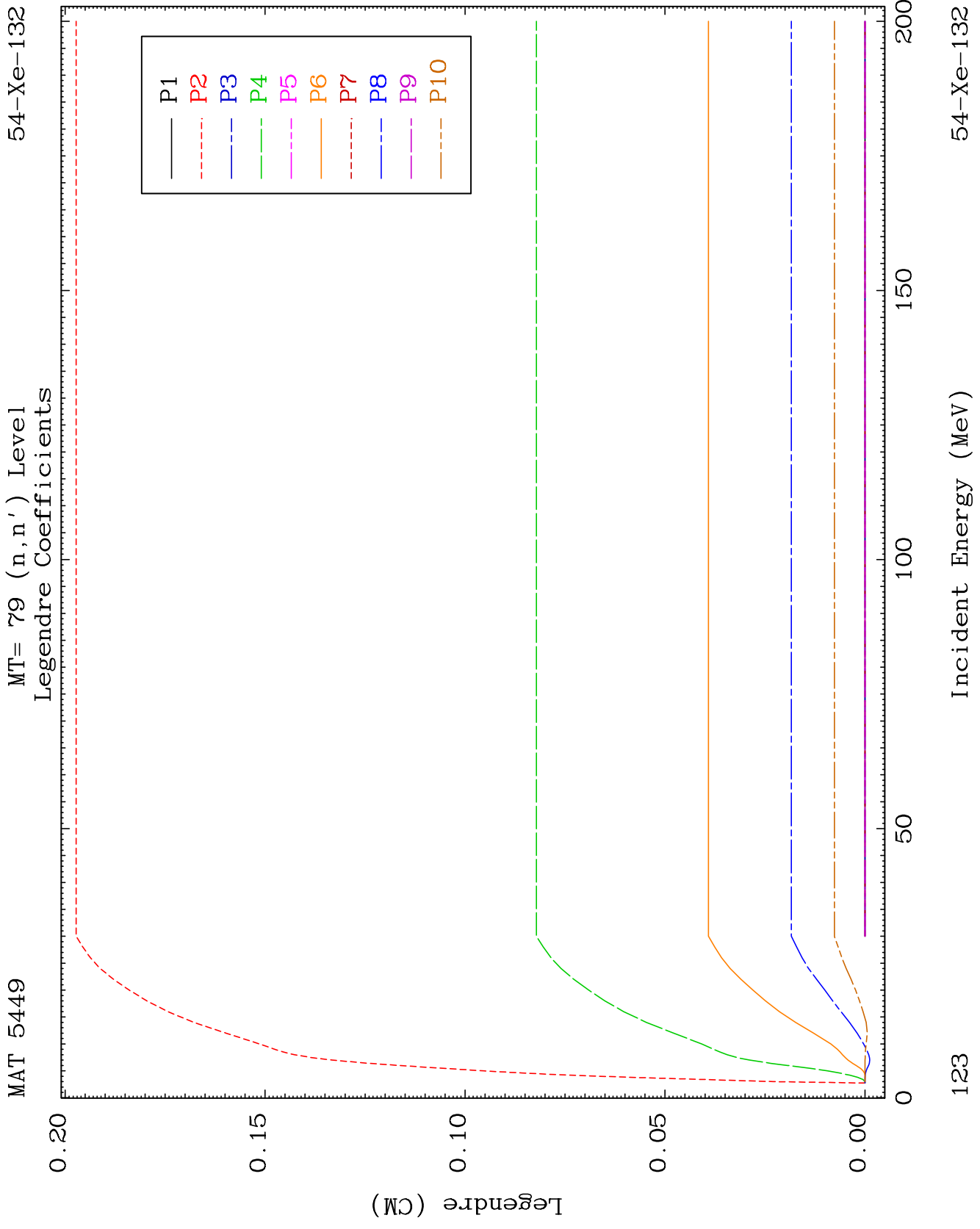
54-Xe-132



122

Incident Energy (MeV)

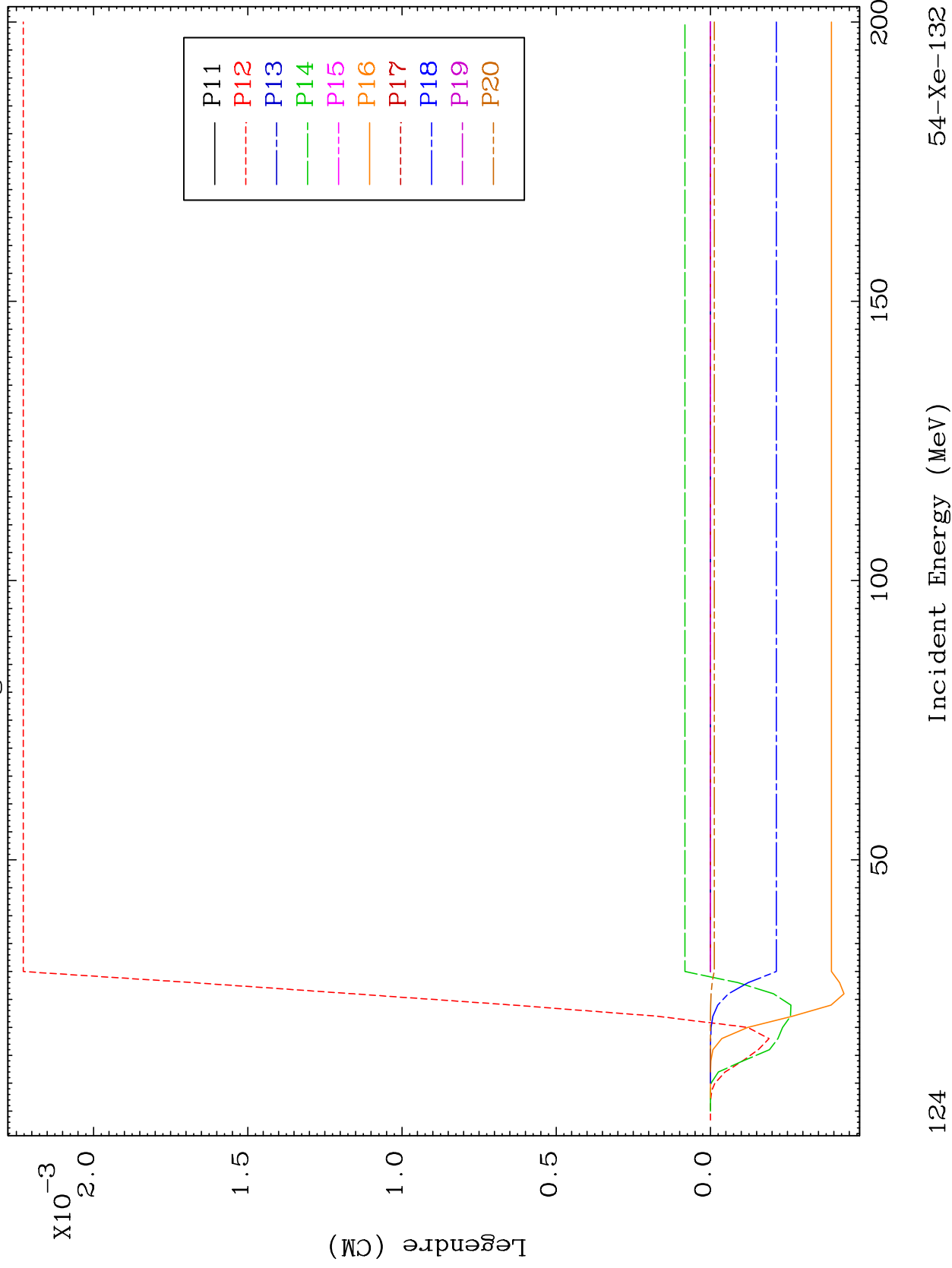
54-Xe-132



MAT 5449

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

54-Xe-132



124

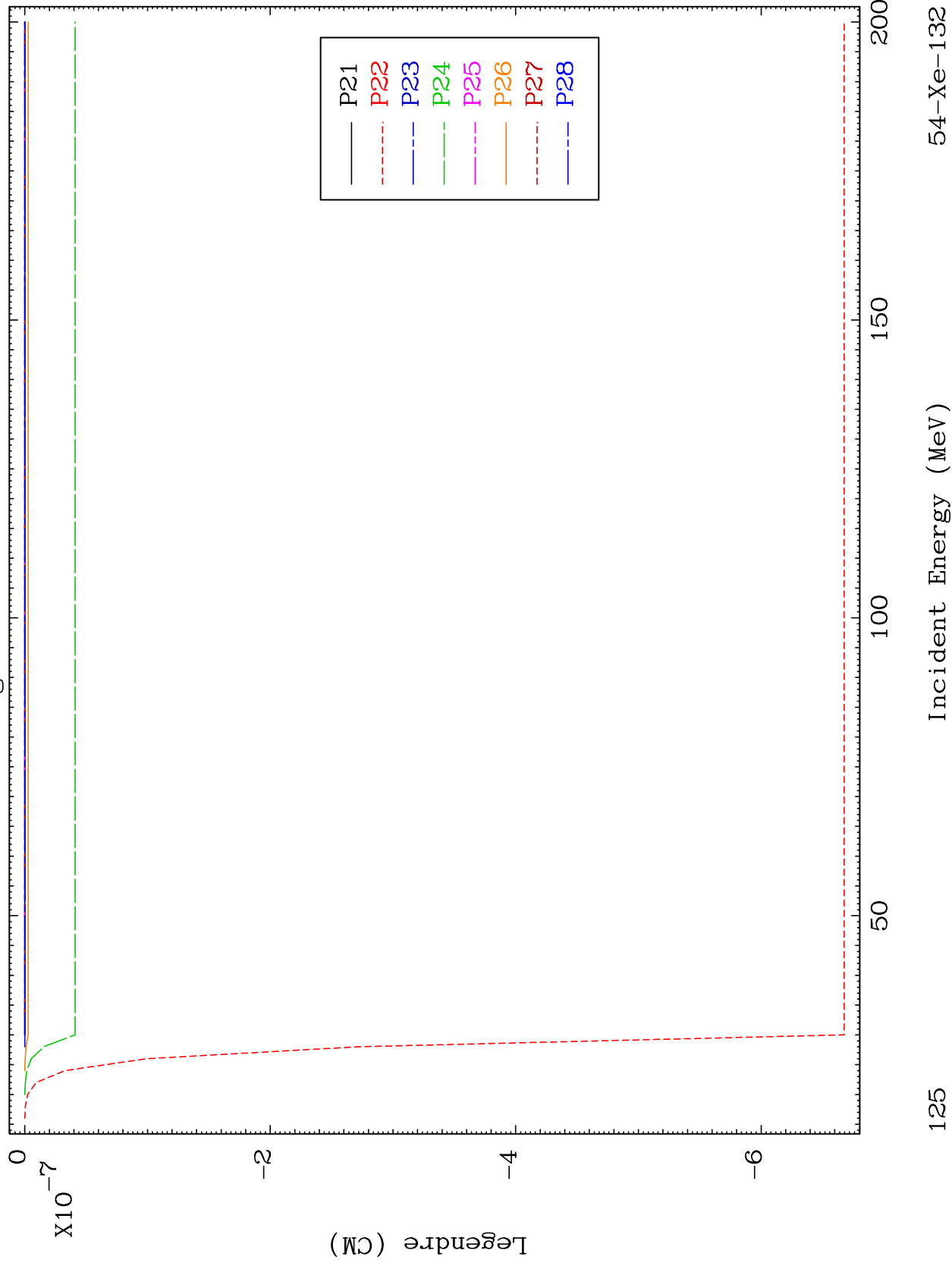
Incident Energy (MeV)

54-Xe-132

MAT 5449

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

54-Xe-132



125

Incident Energy (MeV)

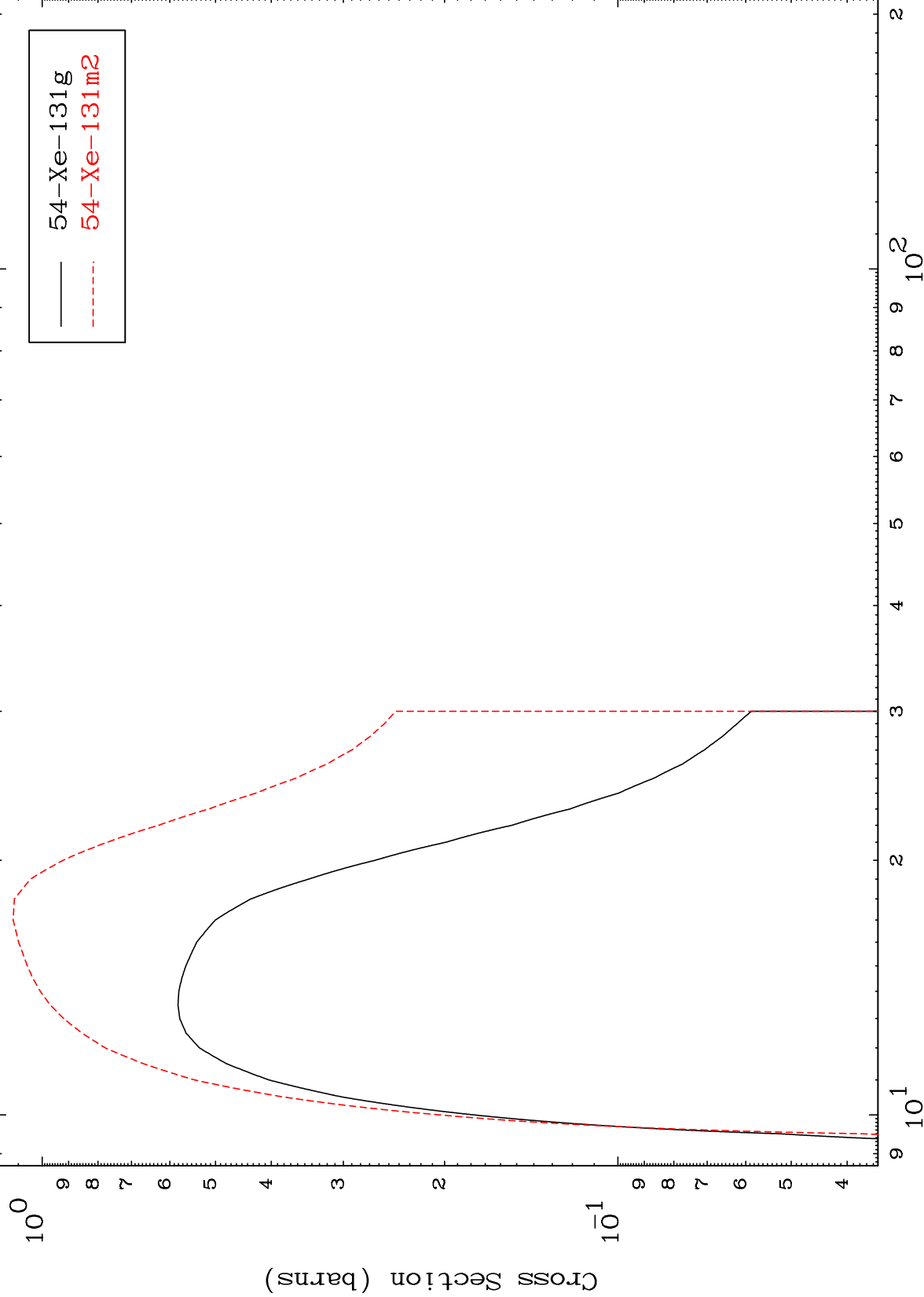
54-Xe-132

MAT 5449

(n,2n)

54-Xe-132

Radionuclide Production Cross Section



126

Incident Energy (MeV)

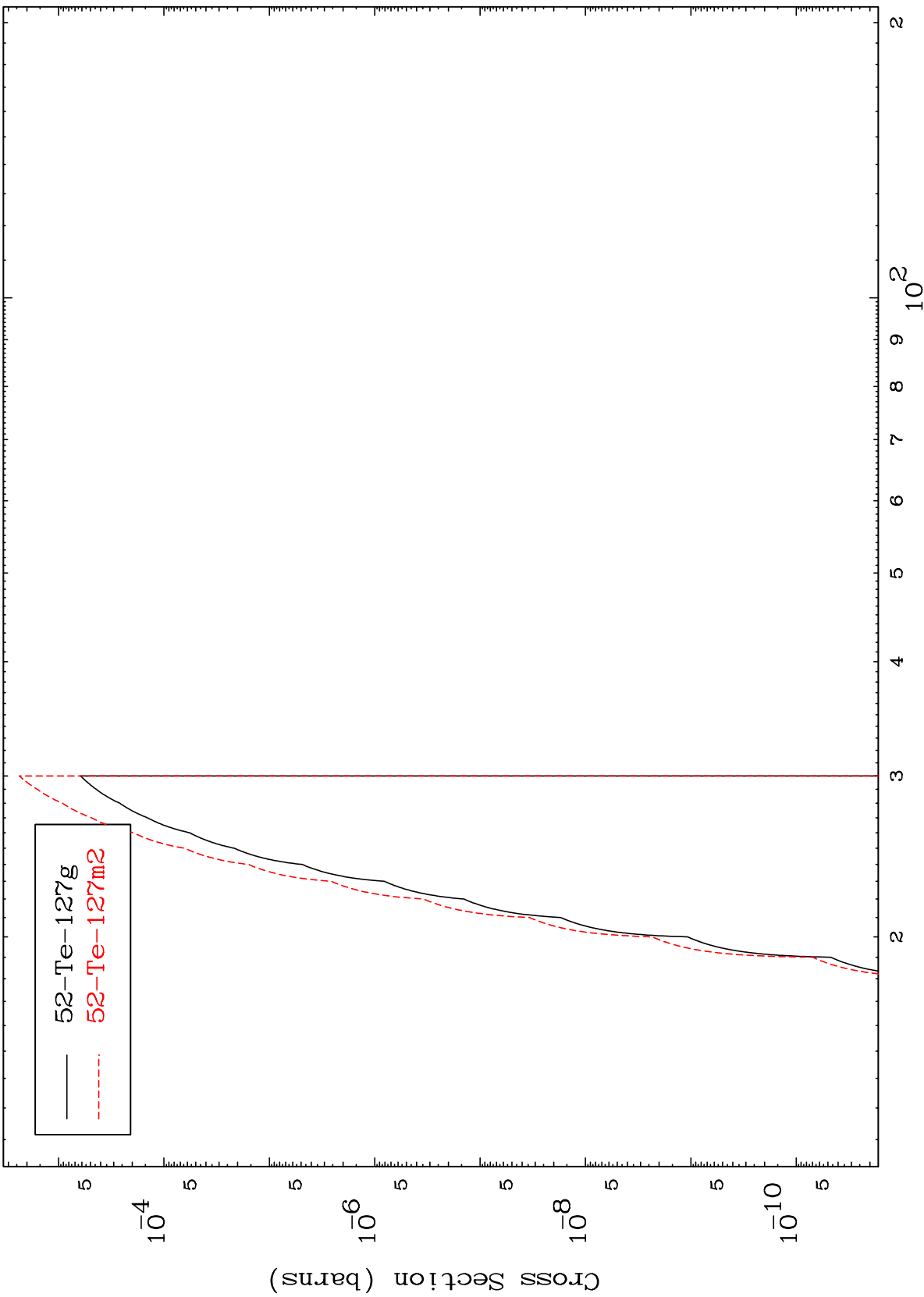
54-Xe-132

MAT 5449

(n,2n)  $\alpha$

54-Xe-132

Radionuclide Production Cross Section



127

Incident Energy (MeV)

54-Xe-132

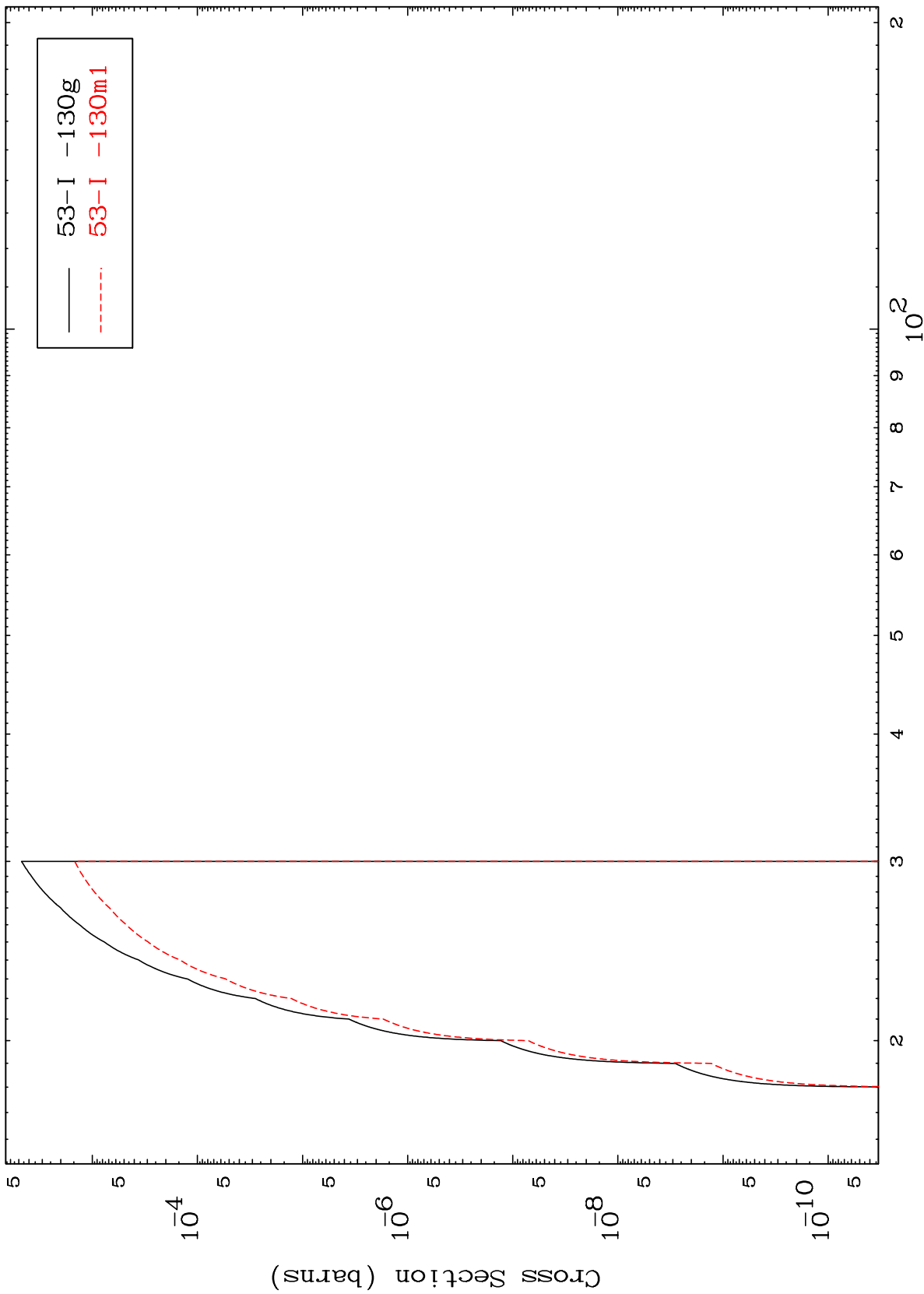


MAT 5449

(n,n') d

54-Xe-132

Radionuclide Production Cross Section

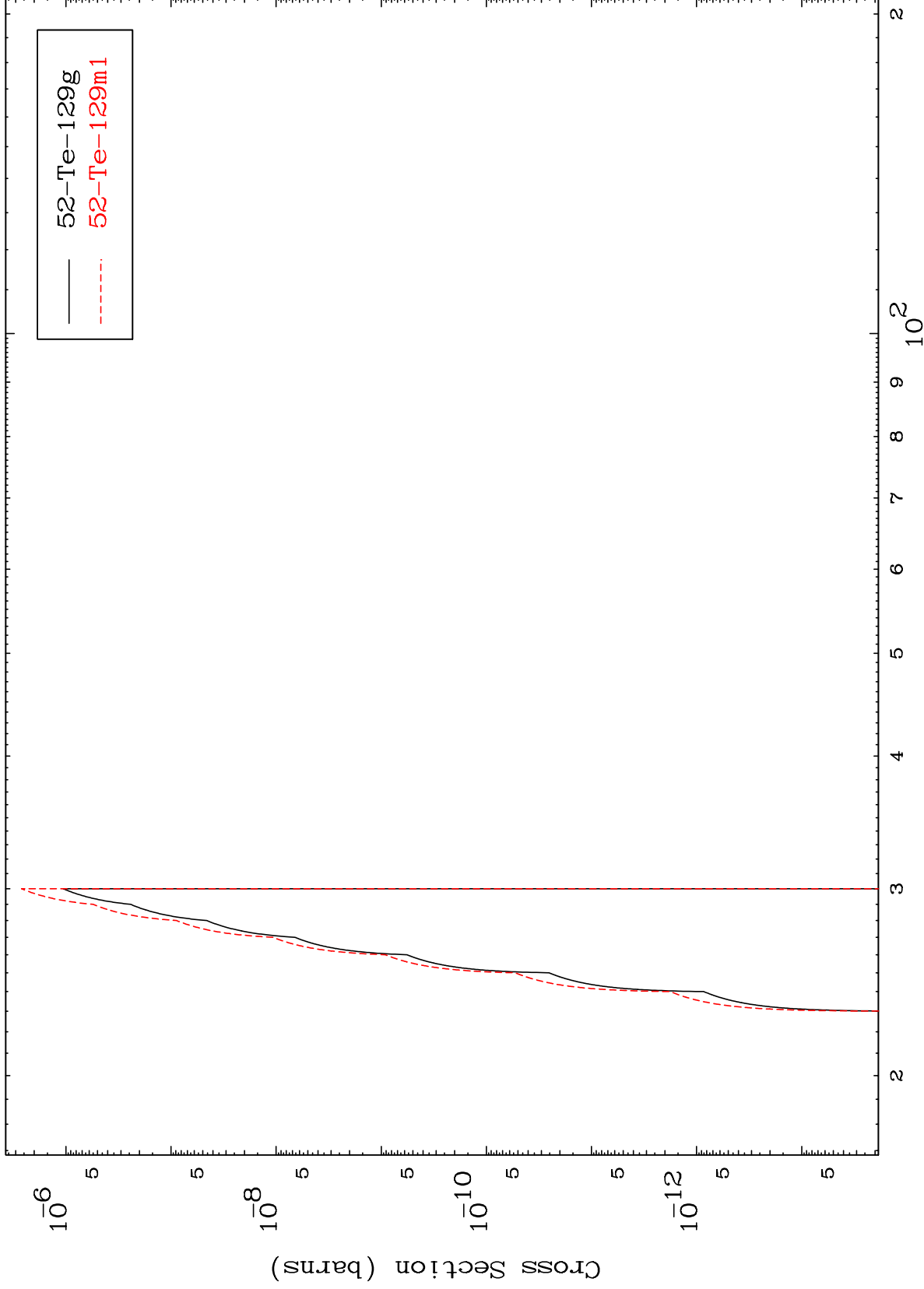


128

Incident Energy (MeV)

54-Xe-132

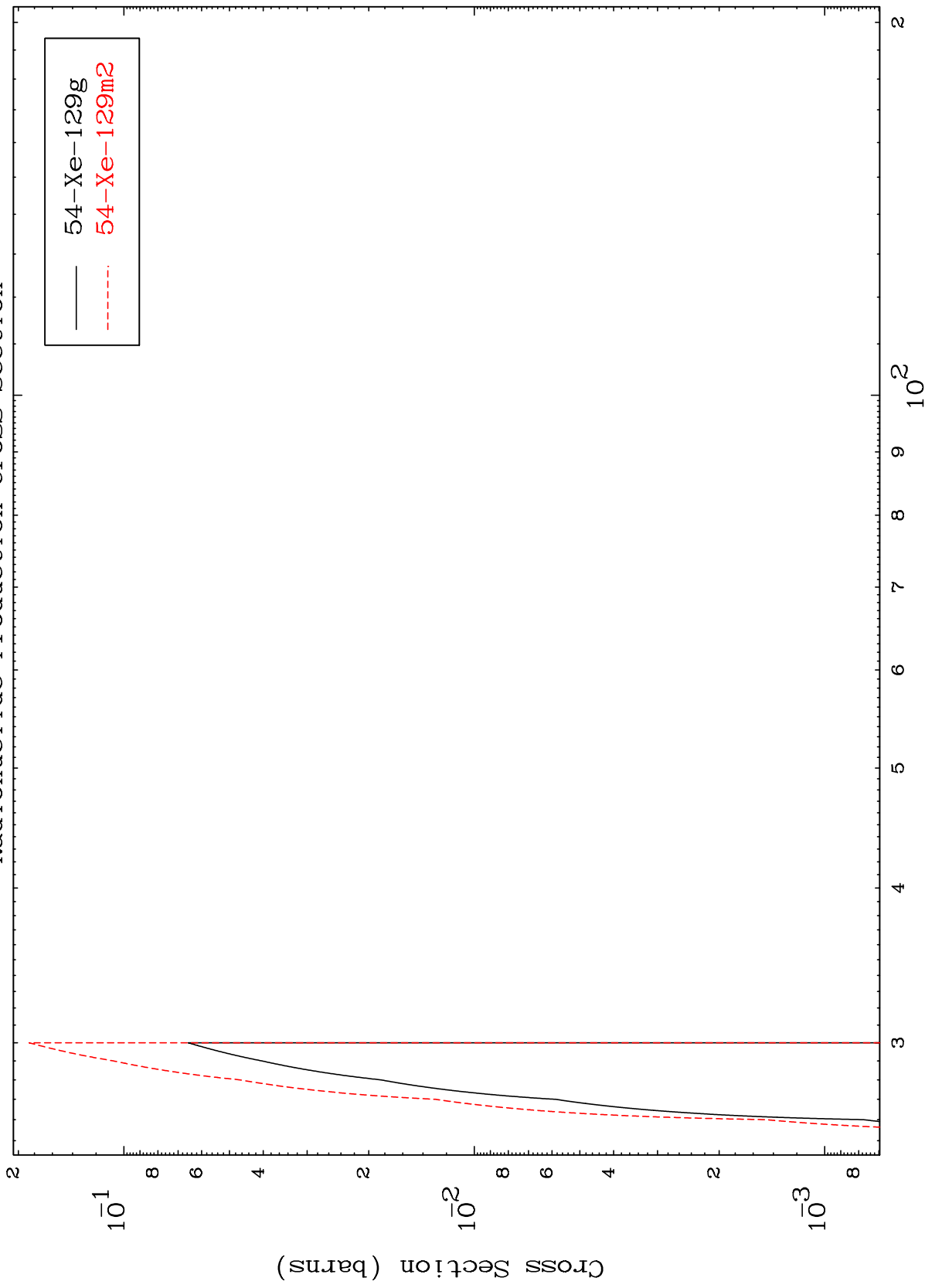
Radionuclide Production Cross Section



MAT 5449

54-Xe-132

(n,4n)  
Radionuclide Production Cross Section



130

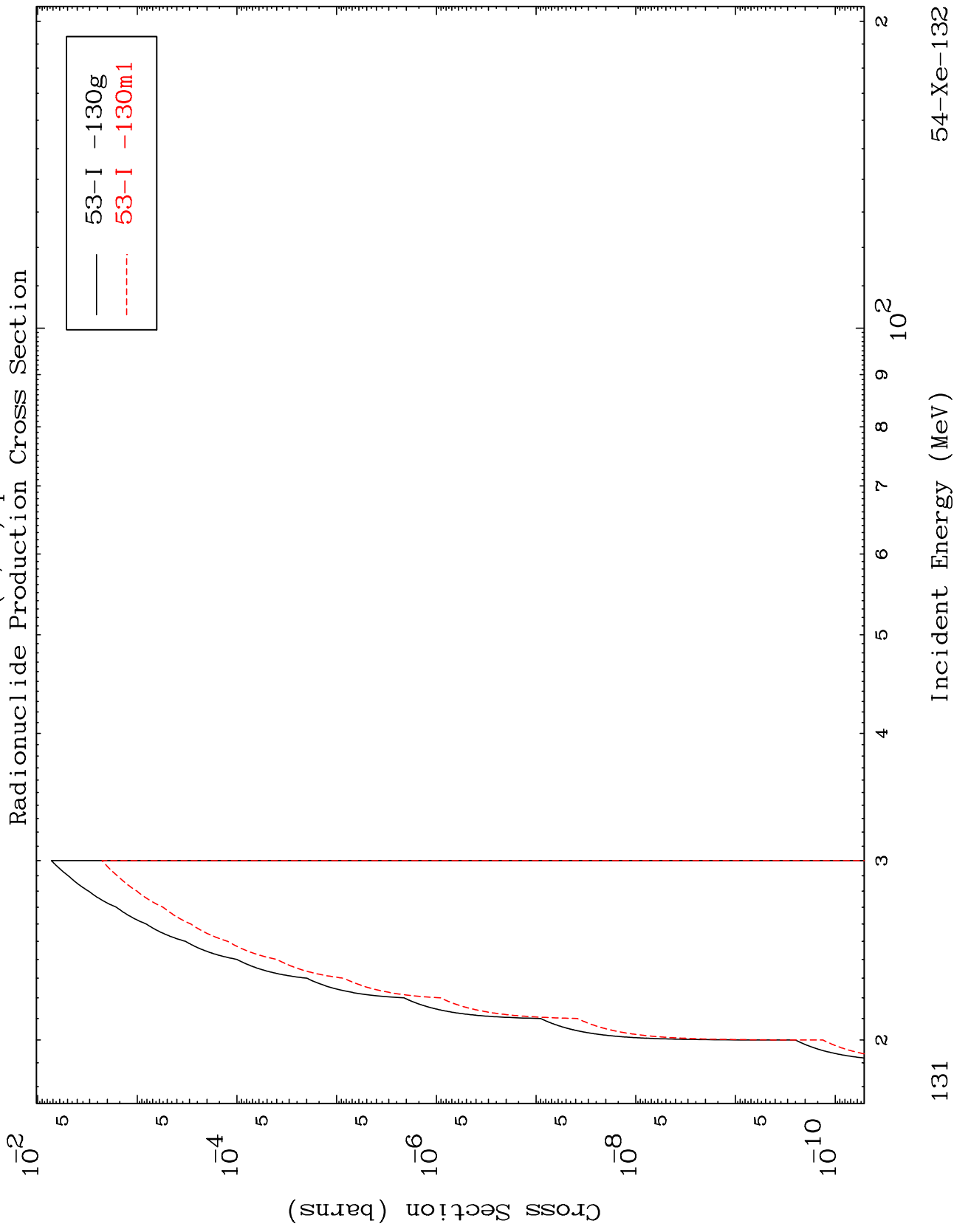
Incident Energy (MeV)

54-Xe-132

MAT 5449

(n,2n) p

54-Xe-132



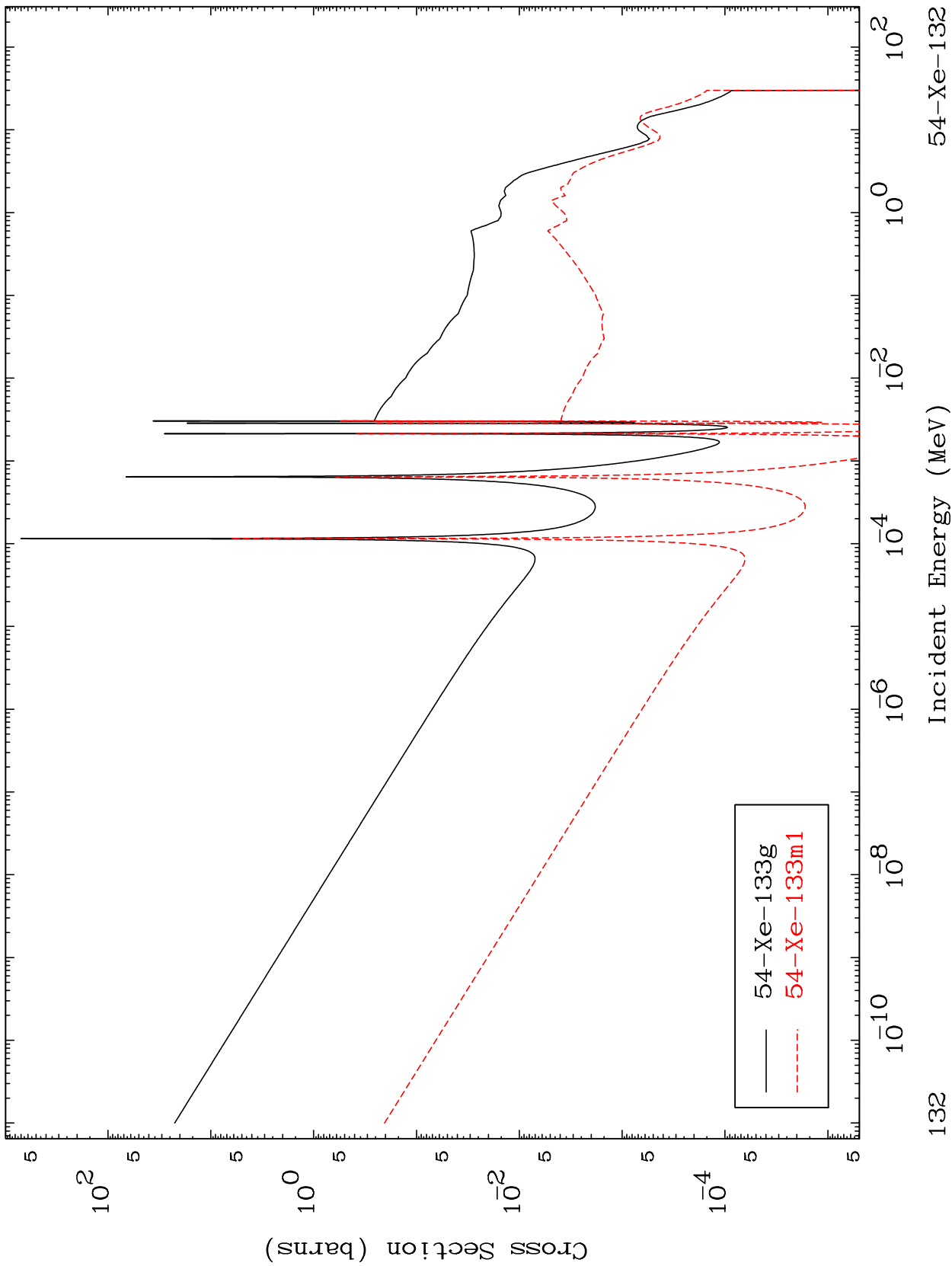
131

54-Xe-132

MAT 5449

54-Xe-132

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

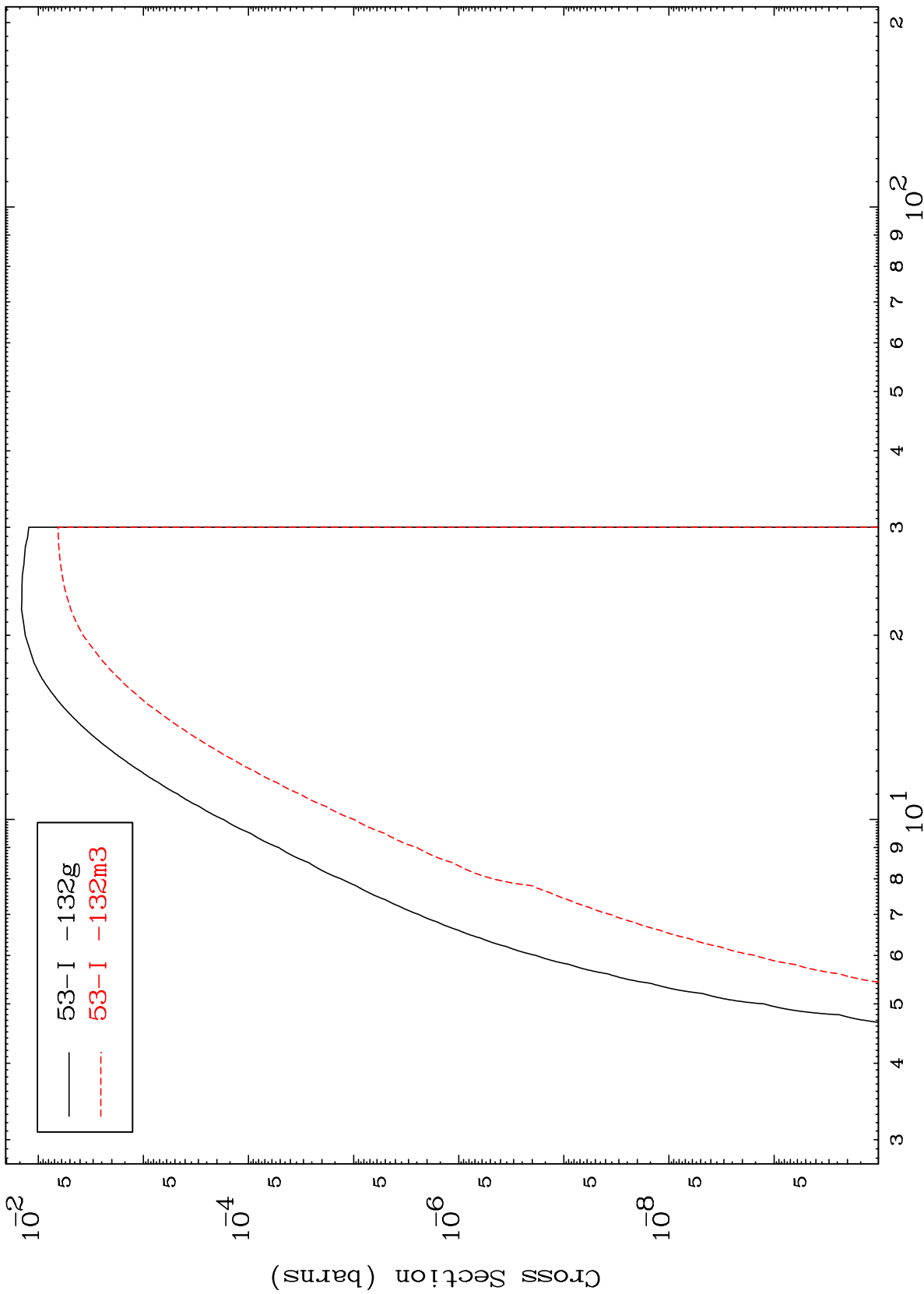


132

MAT 5449

54-Xe-132

(n,p)  
Radionuclide Production Cross Section



133

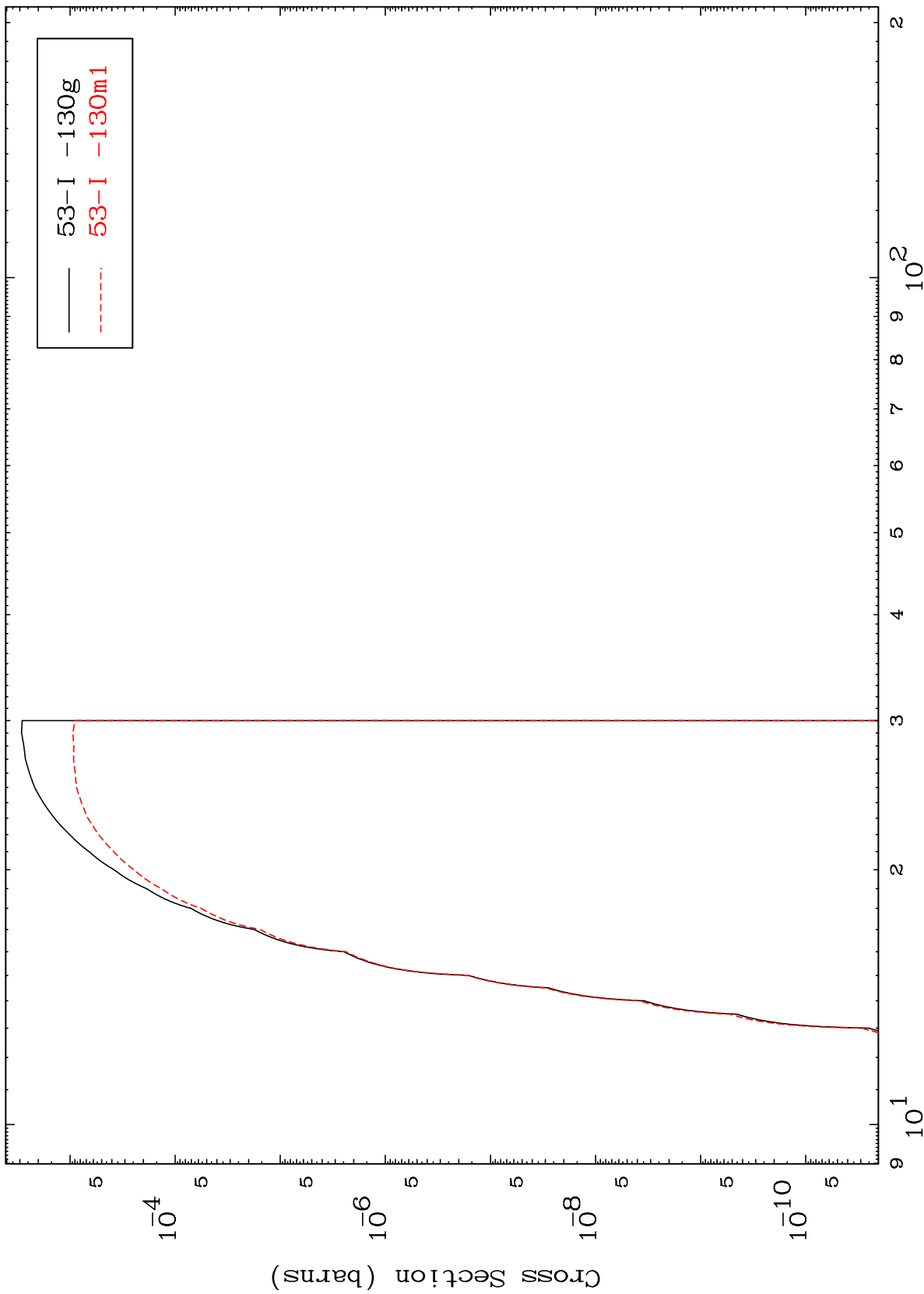
Incident Energy (MeV)

54-Xe-132

MAT 5449

54-Xe-132

(n,t)  
Radionuclide Production Cross Section



54-Xe-132

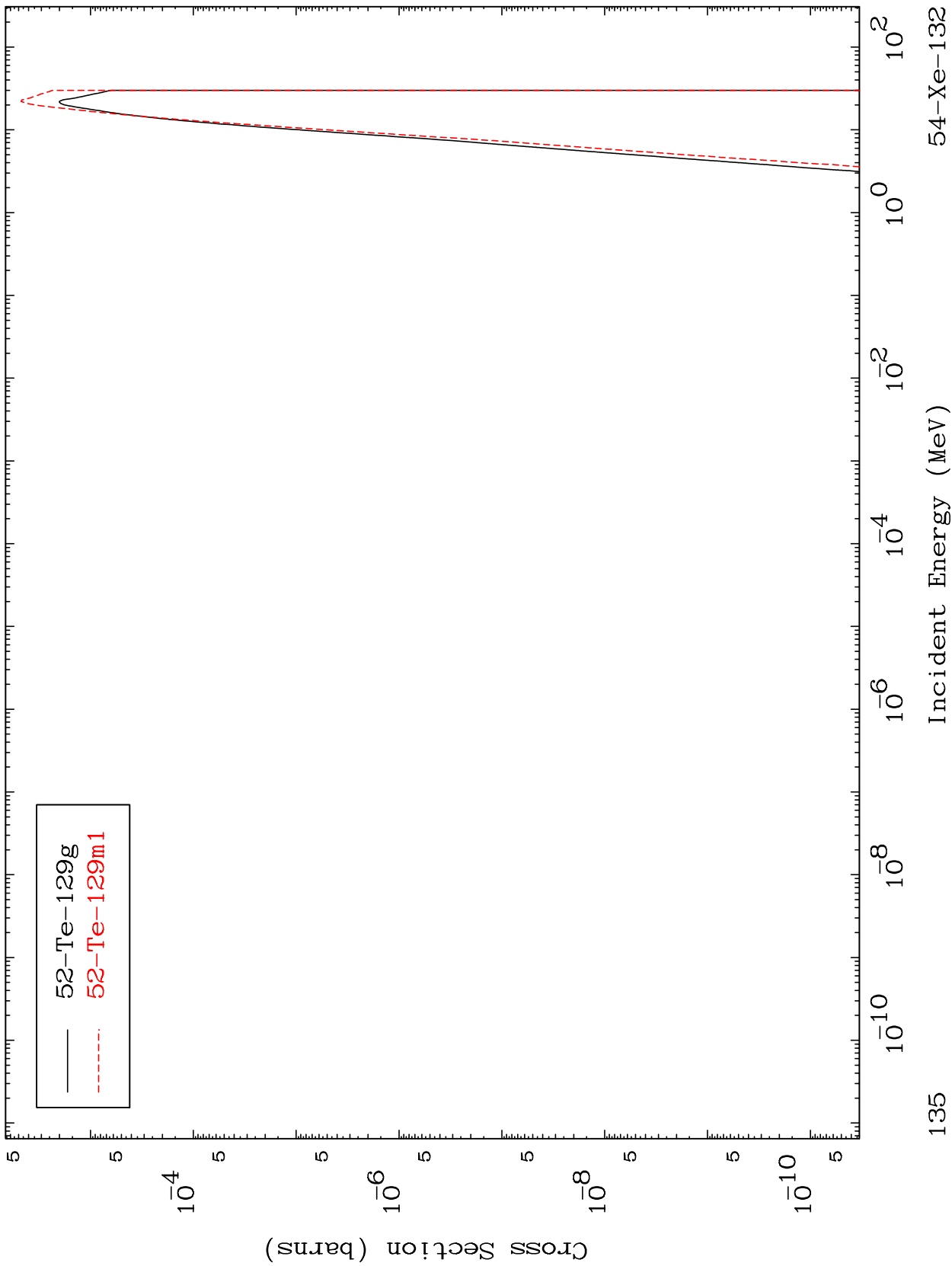
Incident Energy (MeV)

134

MAT 5449

54-Xe-132

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



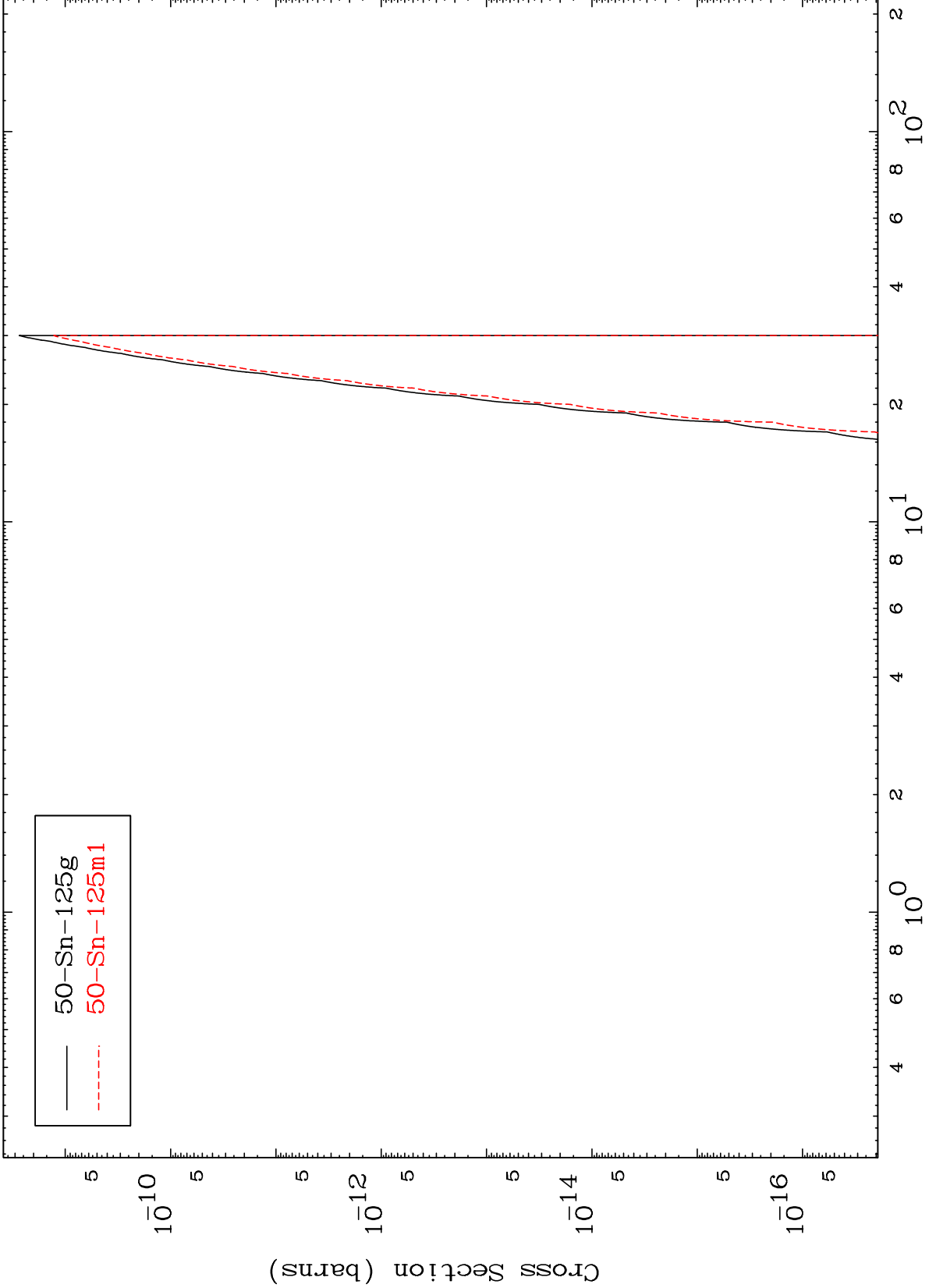


MAT 5449

(n,2α)

54-Xe-132

Radionuclide Production Cross Section



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

136

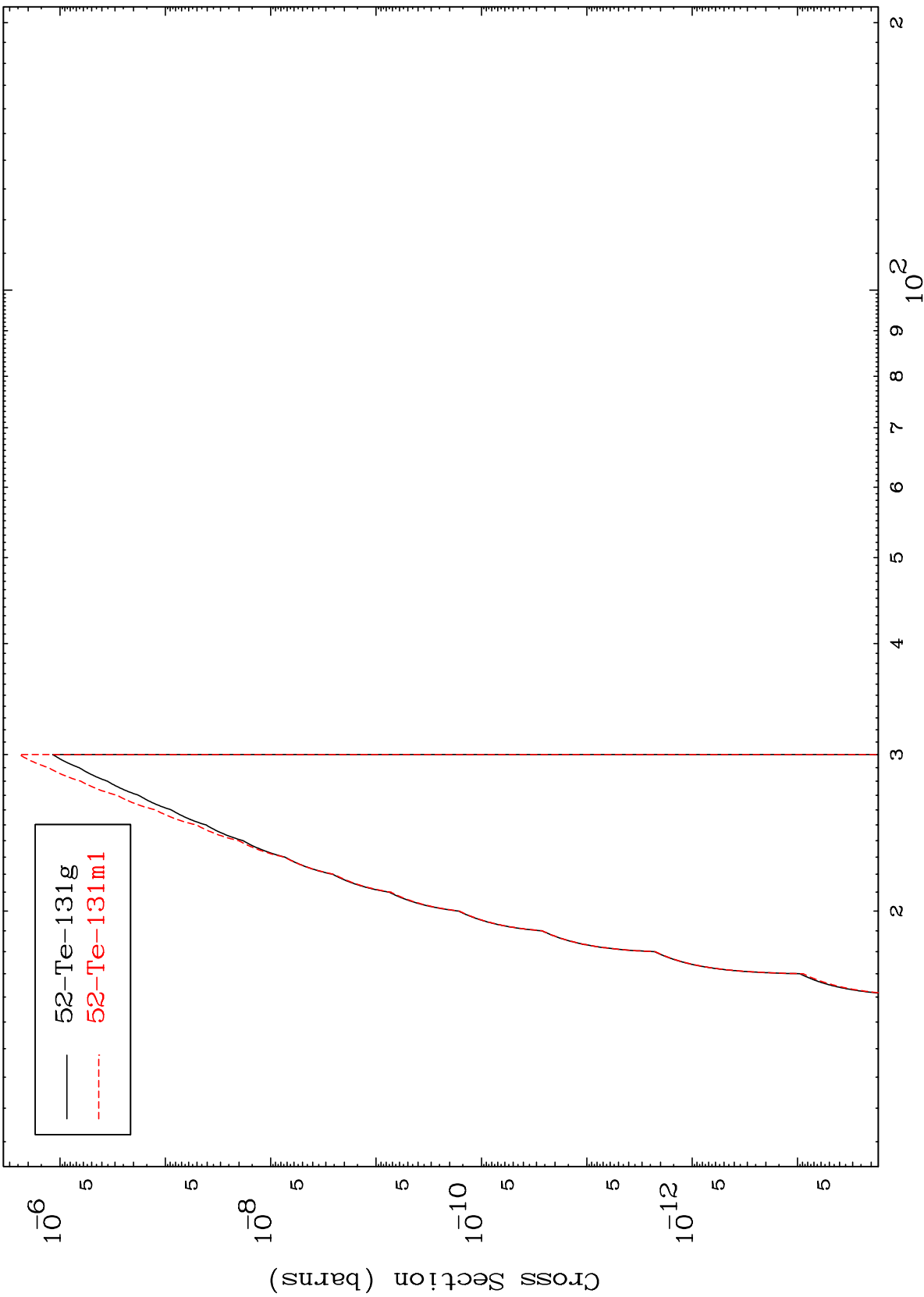
Incident Energy (MeV)

54-Xe-132

MAT 5449

54-Xe-132

(n,2p)  
Radionuclide Production Cross Section



52-Te-131g  
52-Te-131m1

137

Incident Energy (MeV)

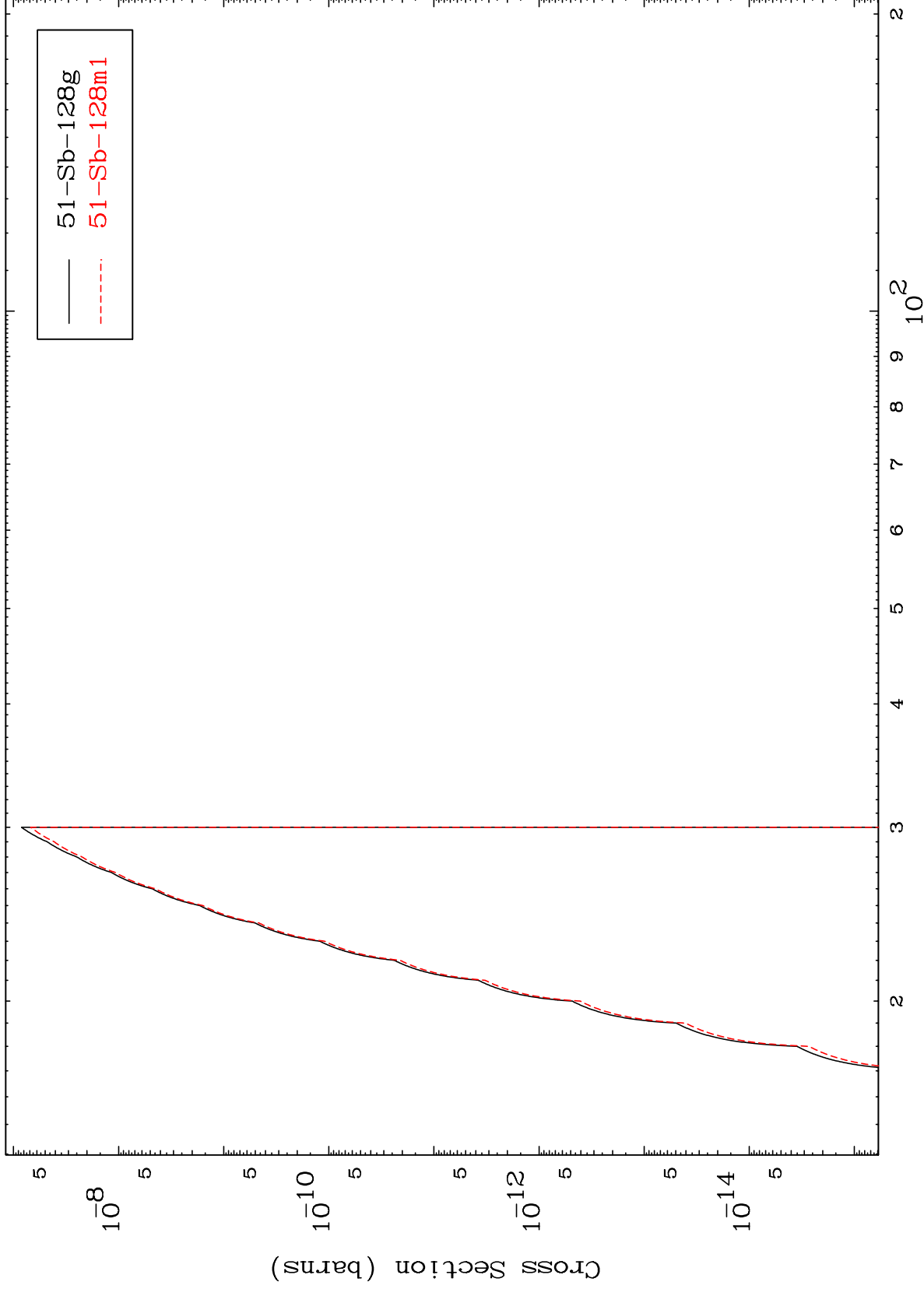
54-Xe-132

MAT 5449

(n,p)  $\alpha$

54-Xe-132

Radionuclide Production Cross Section



138

Incident Energy (MeV)

54-Xe-132

