

Program EVALPLOT  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

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

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

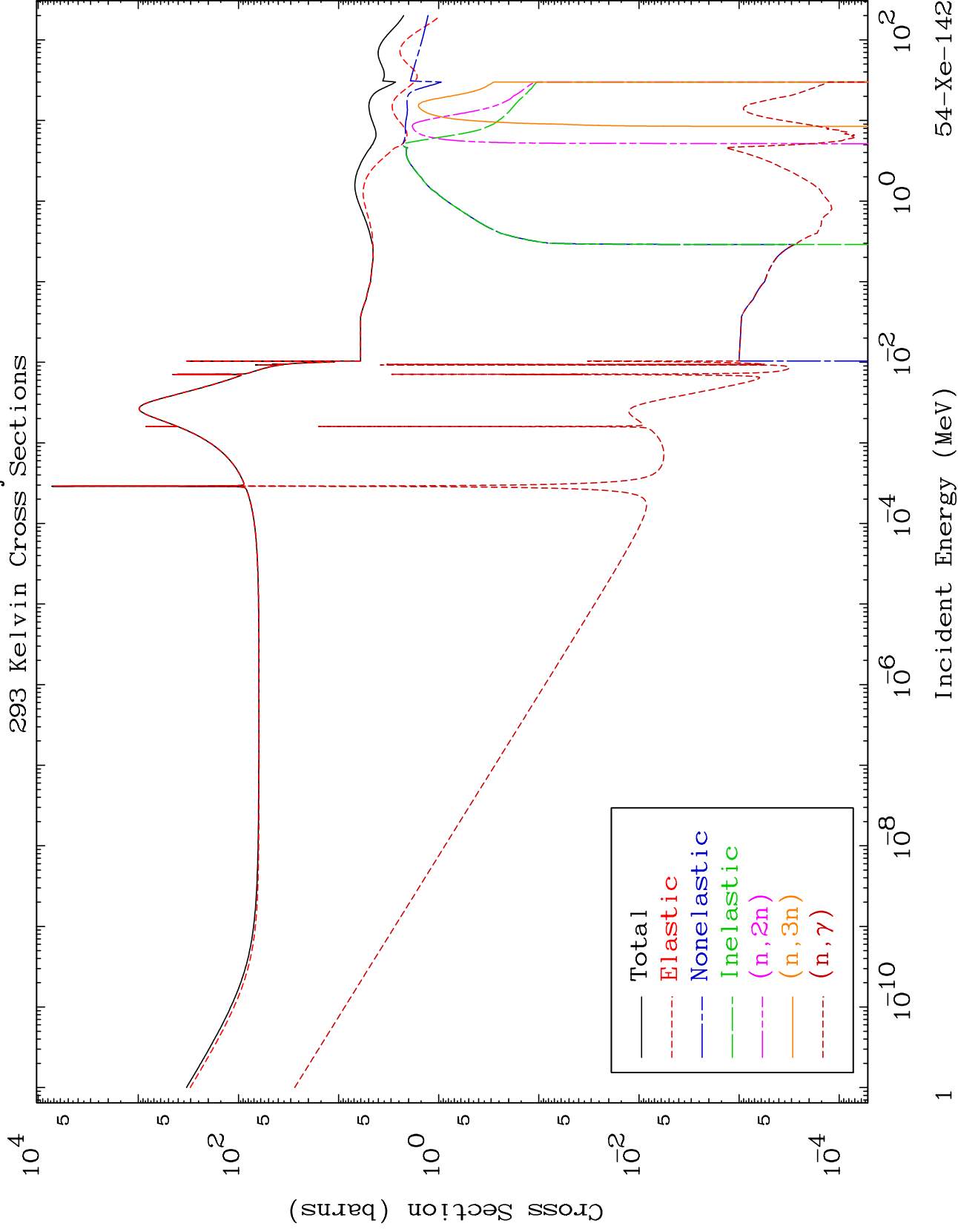
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5479

Neutron Major  
293 Kelvin Cross Sections

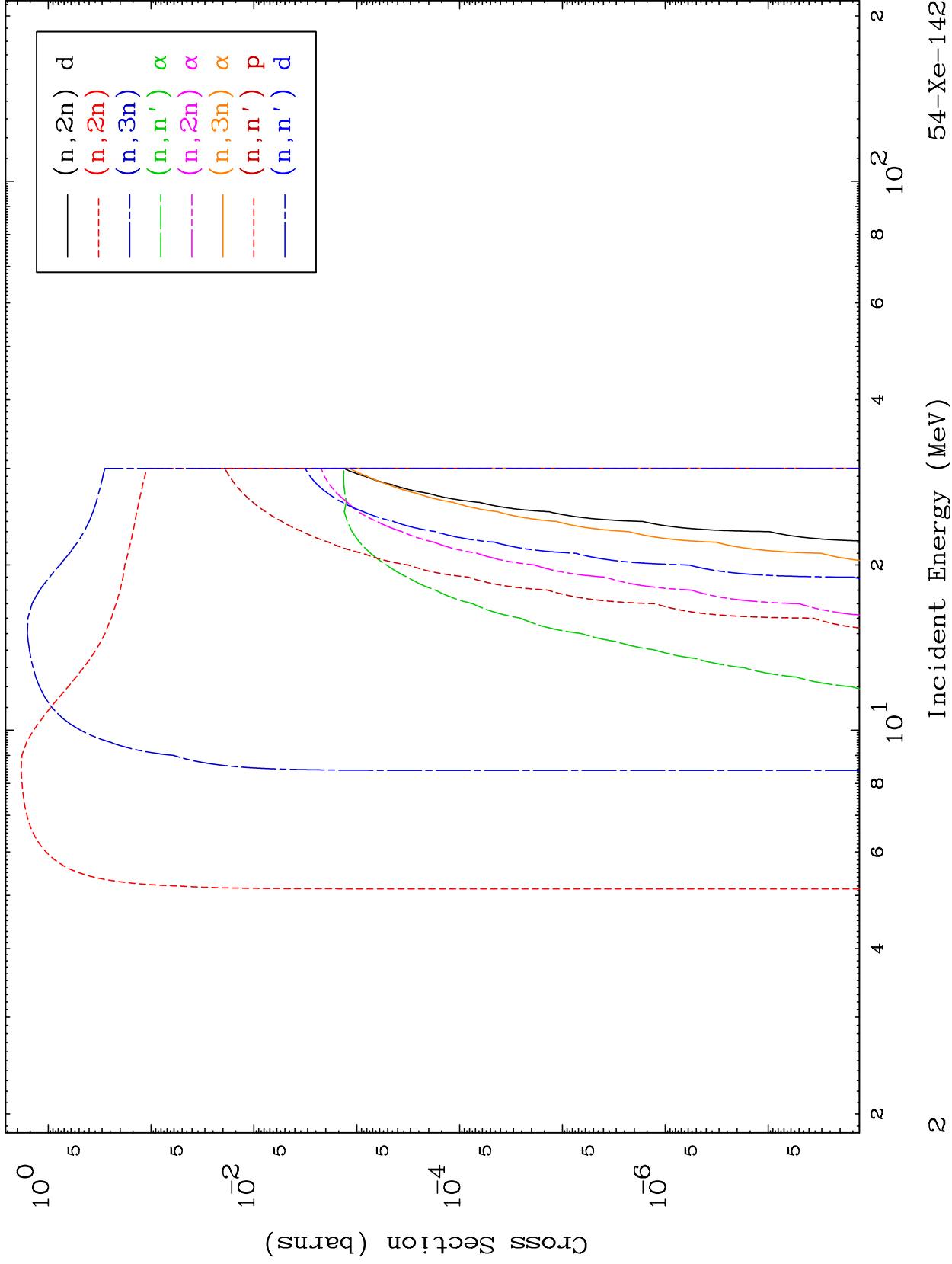
54-Xe-142



MAT 5479

Neutron Absorption  
293 Kelvin Cross Sections

54-Xe-142



54-Xe-142

Incident Energy (MeV)

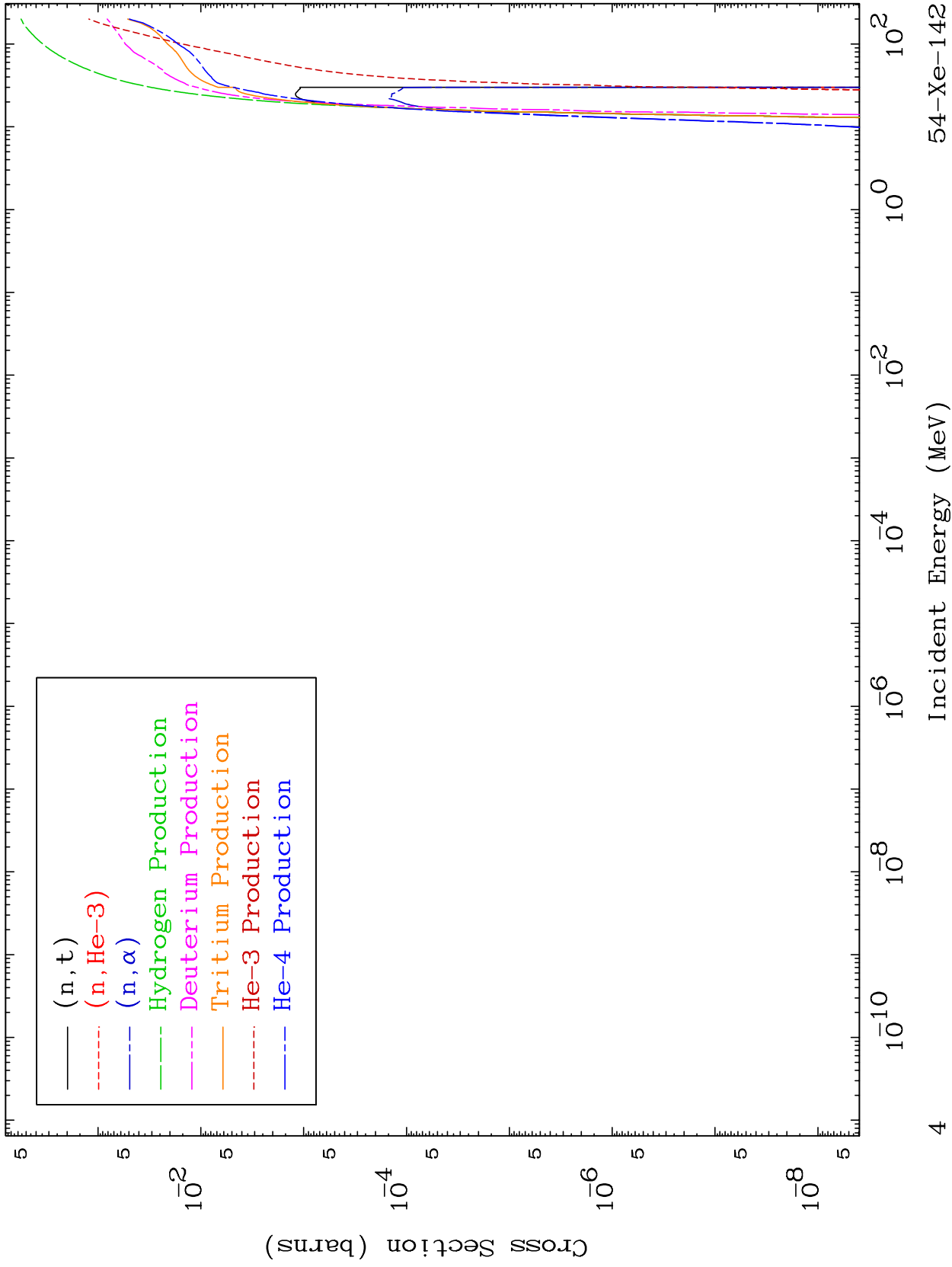
2



MAT 5479

Neutron Absorption  
293 Kelvin Cross Sections

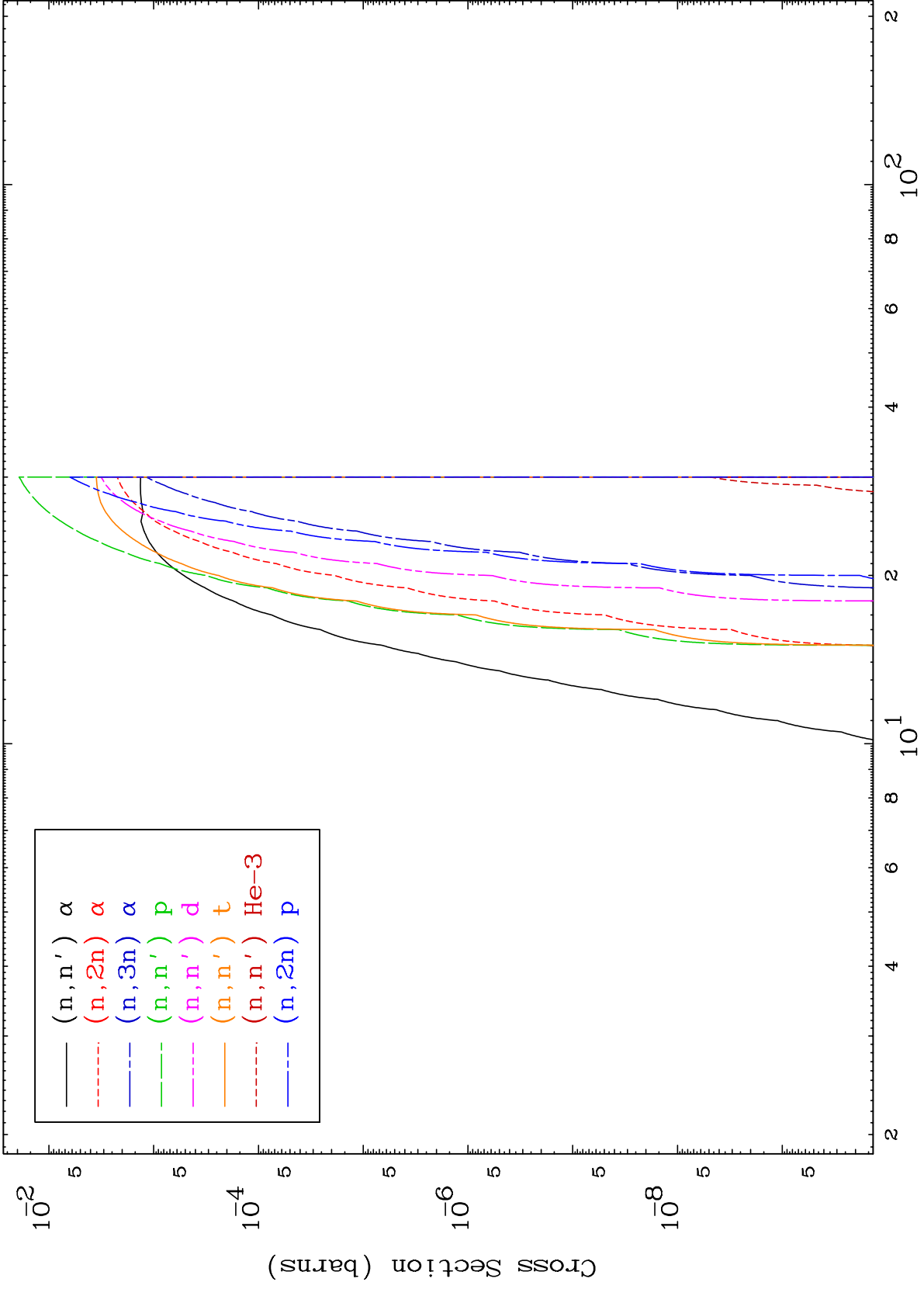
54-Xe-142



MAT 5479

Charged Particle  
293 Kelvin Cross Sections

54-Xe-142



5

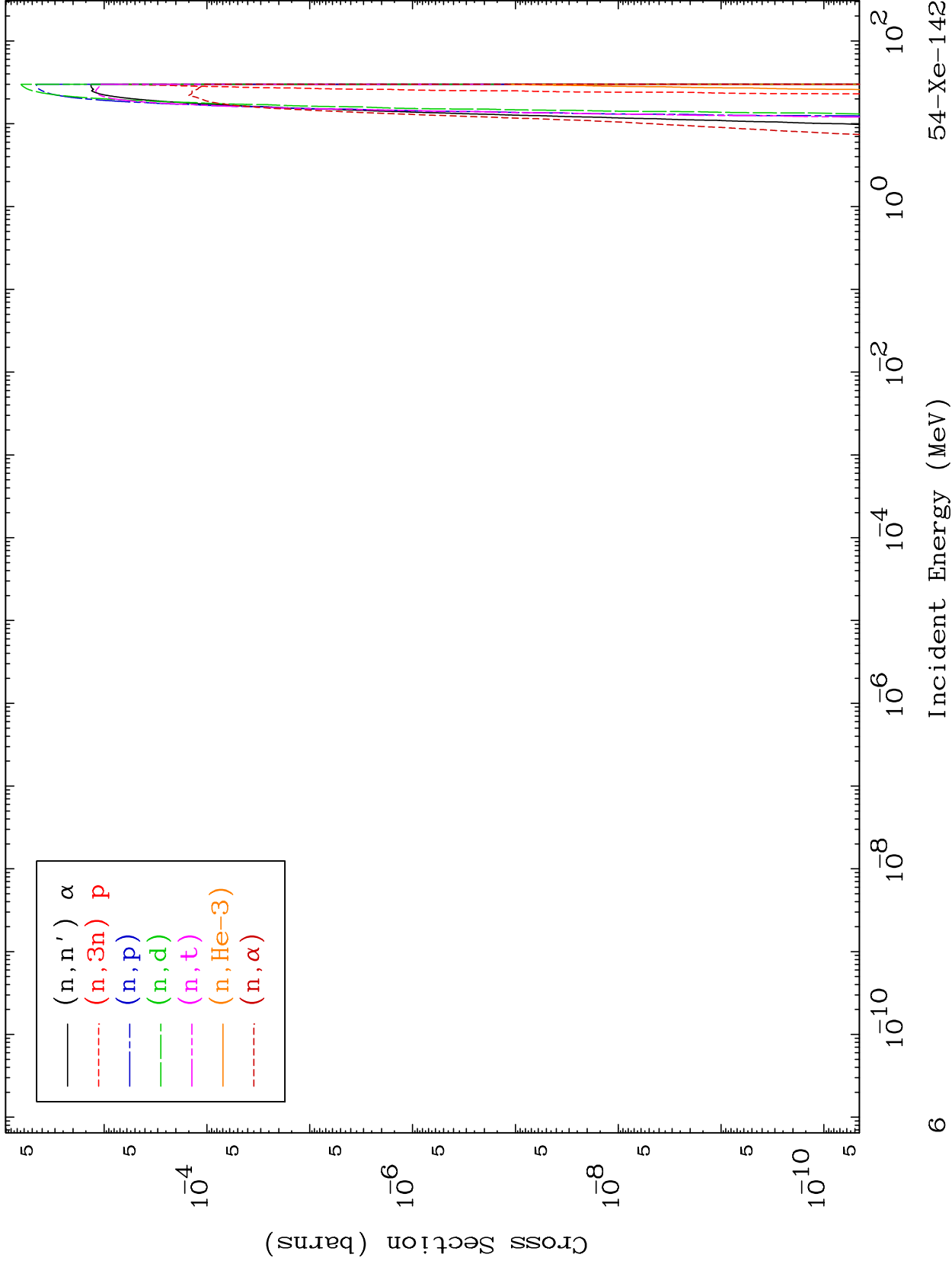
Incident Energy (MeV)

54-Xe-142

MAT 5479

Charged Particle  
293 Kelvin Cross Sections

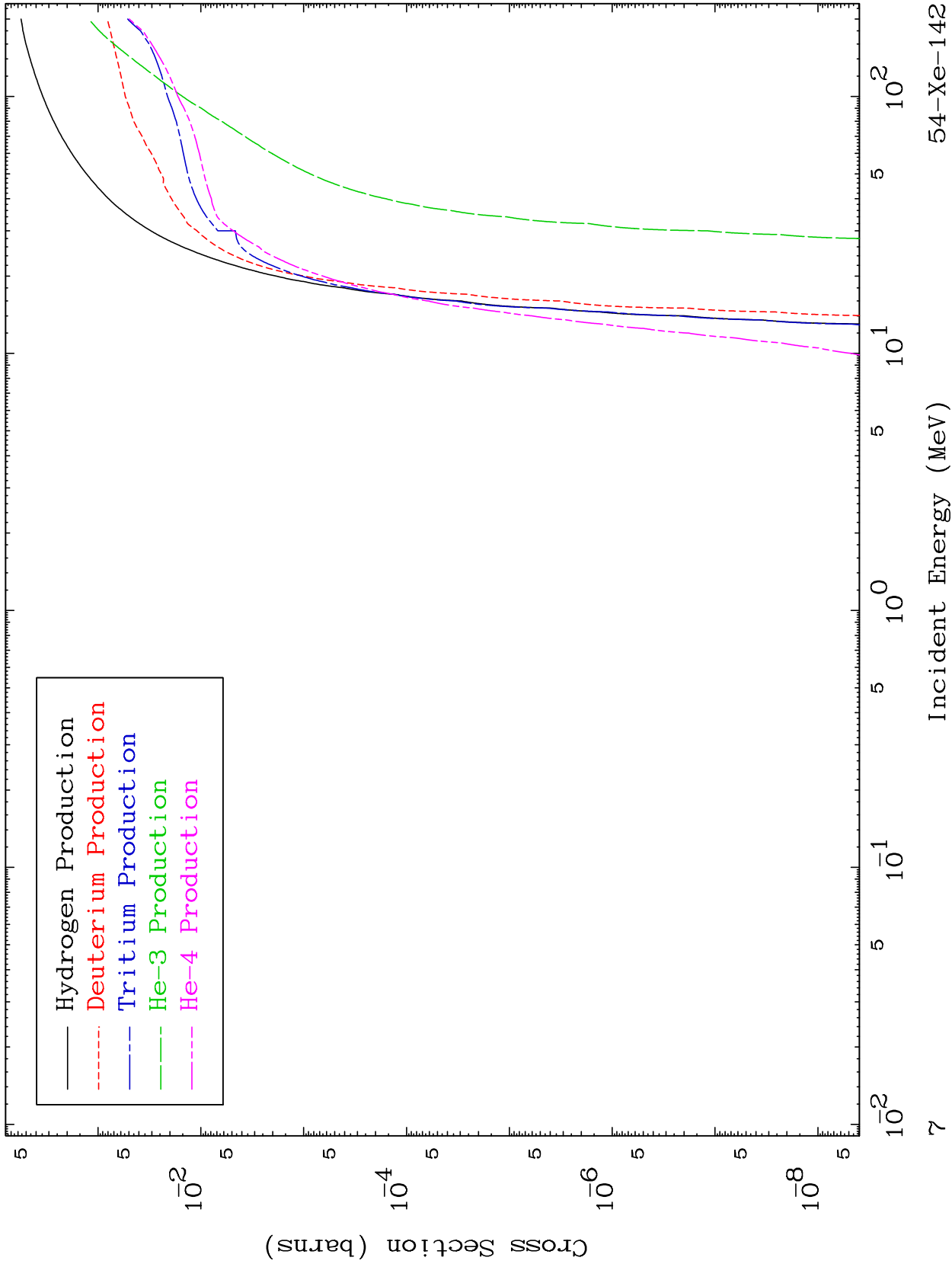
54-Xe-142



MAT 5479

Particle Production  
293 Kelvin Cross Sections

54-Xe-142



54-Xe-142

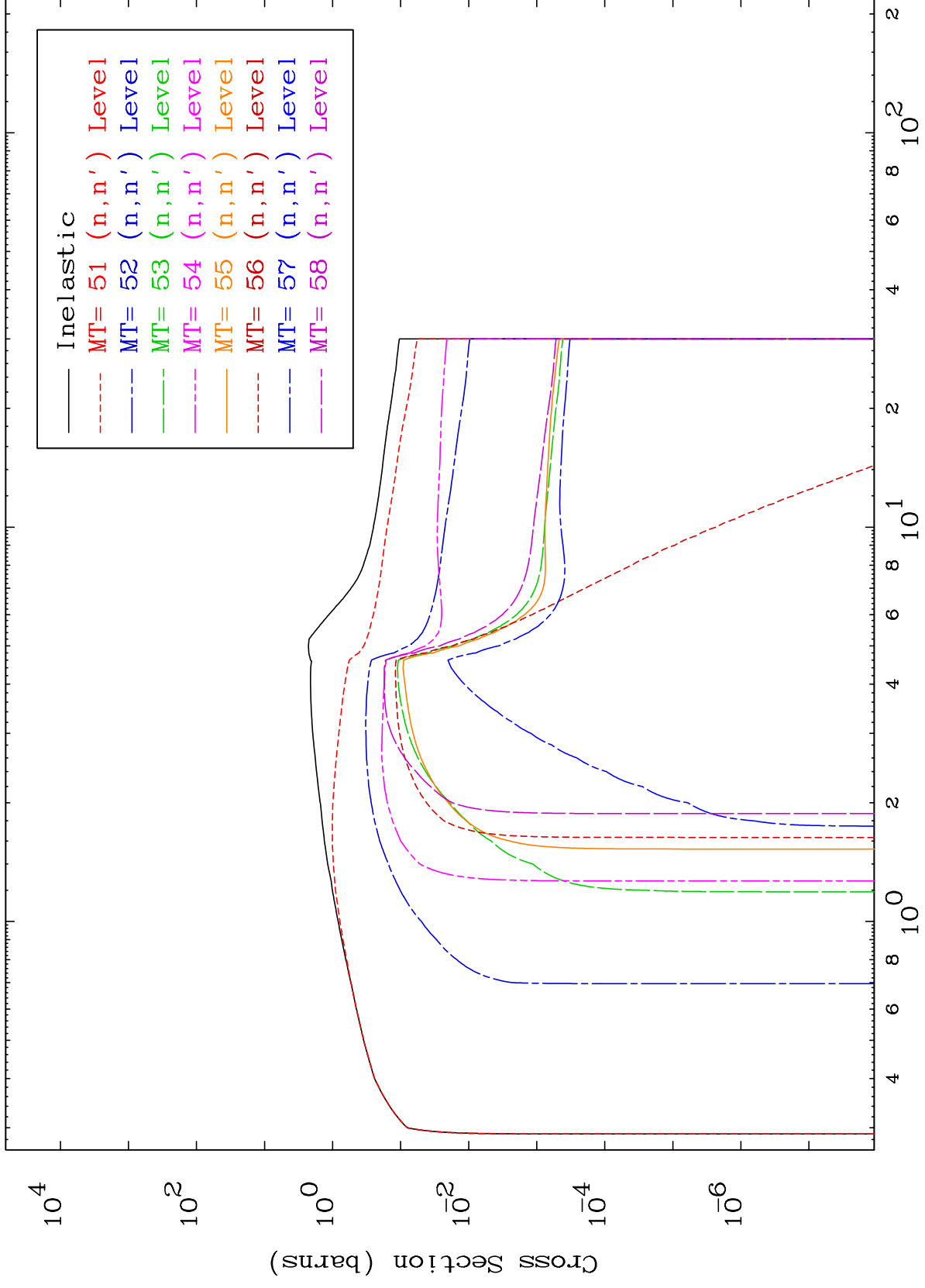
Incident Energy (MeV)

7

MAT 5479

(n,n') Levels  
293 Kelvin Cross Sections

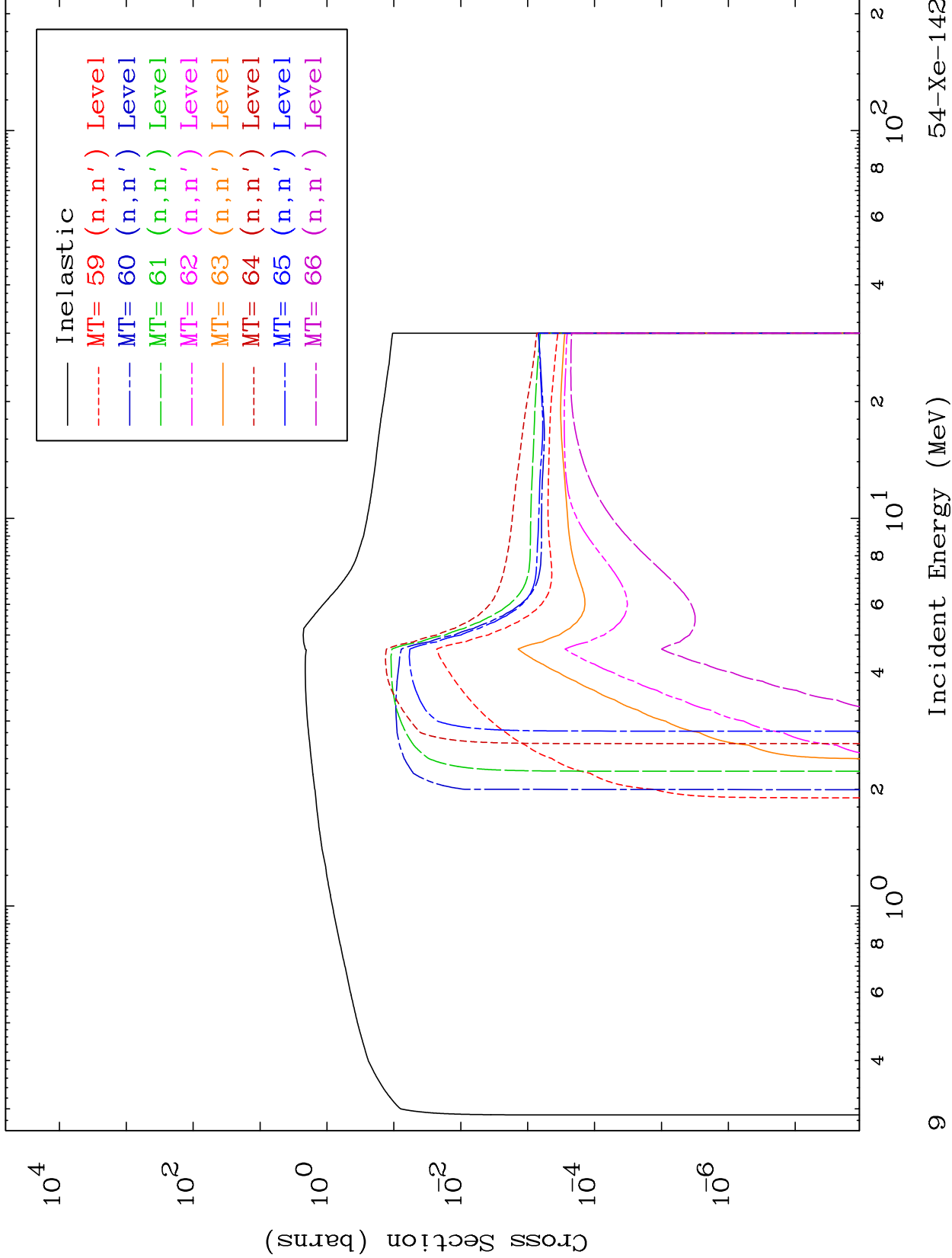
54-Xe-142



8

Incident Energy (MeV)

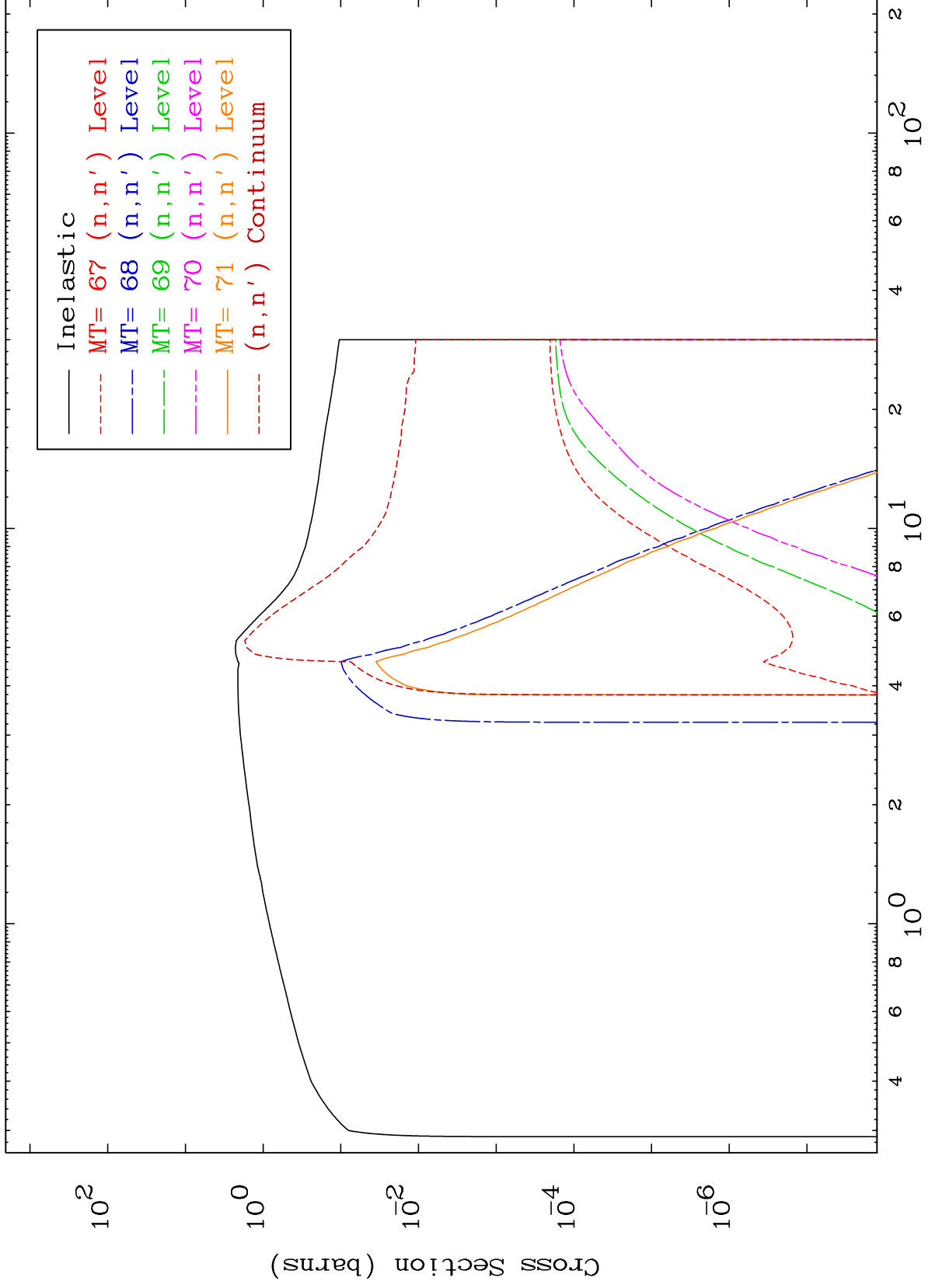
54-Xe-142



MAT 5479

(n,n') Levels  
293 Kelvin Cross Sections

54-Xe-142



10

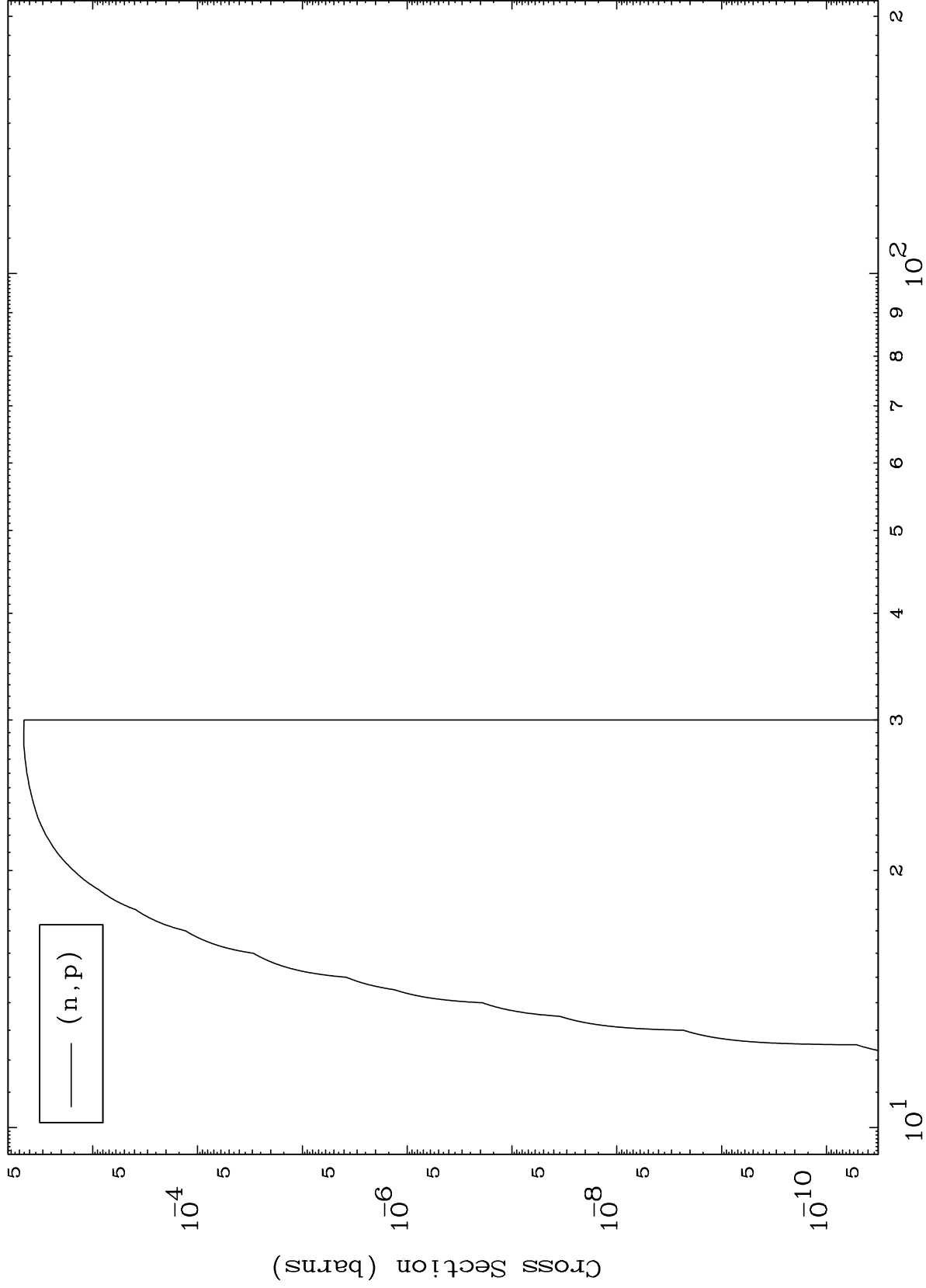
Incident Energy (MeV)

54-Xe-142

MAT 5479

(n,p) Levels  
293 Kelvin Cross Sections

54-Xe-142



11

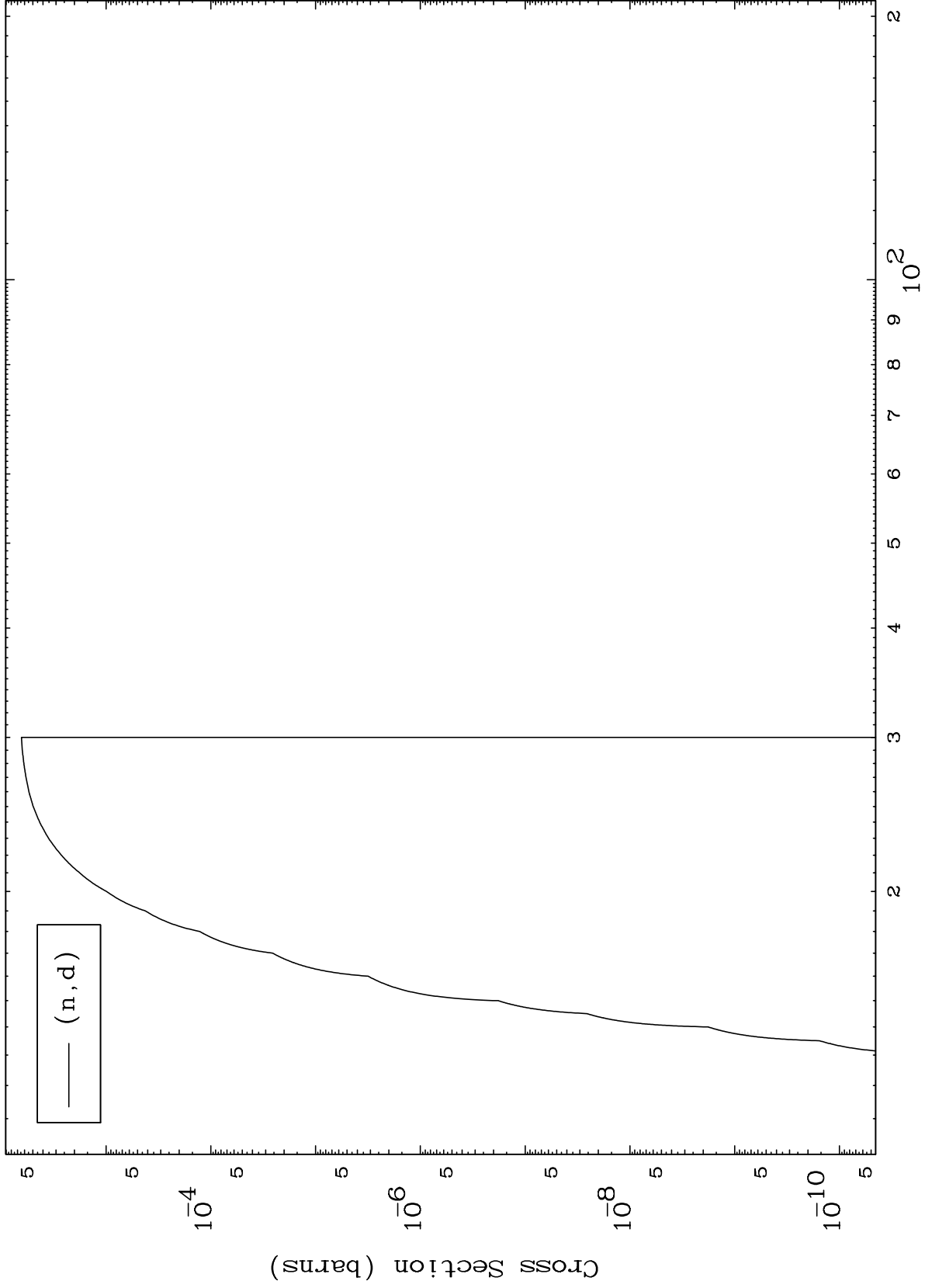
Incident Energy (MeV)

54-Xe-142

MAT 5479

(n,d) Levels  
293 Kelvin Cross Sections

54-Xe-142



12

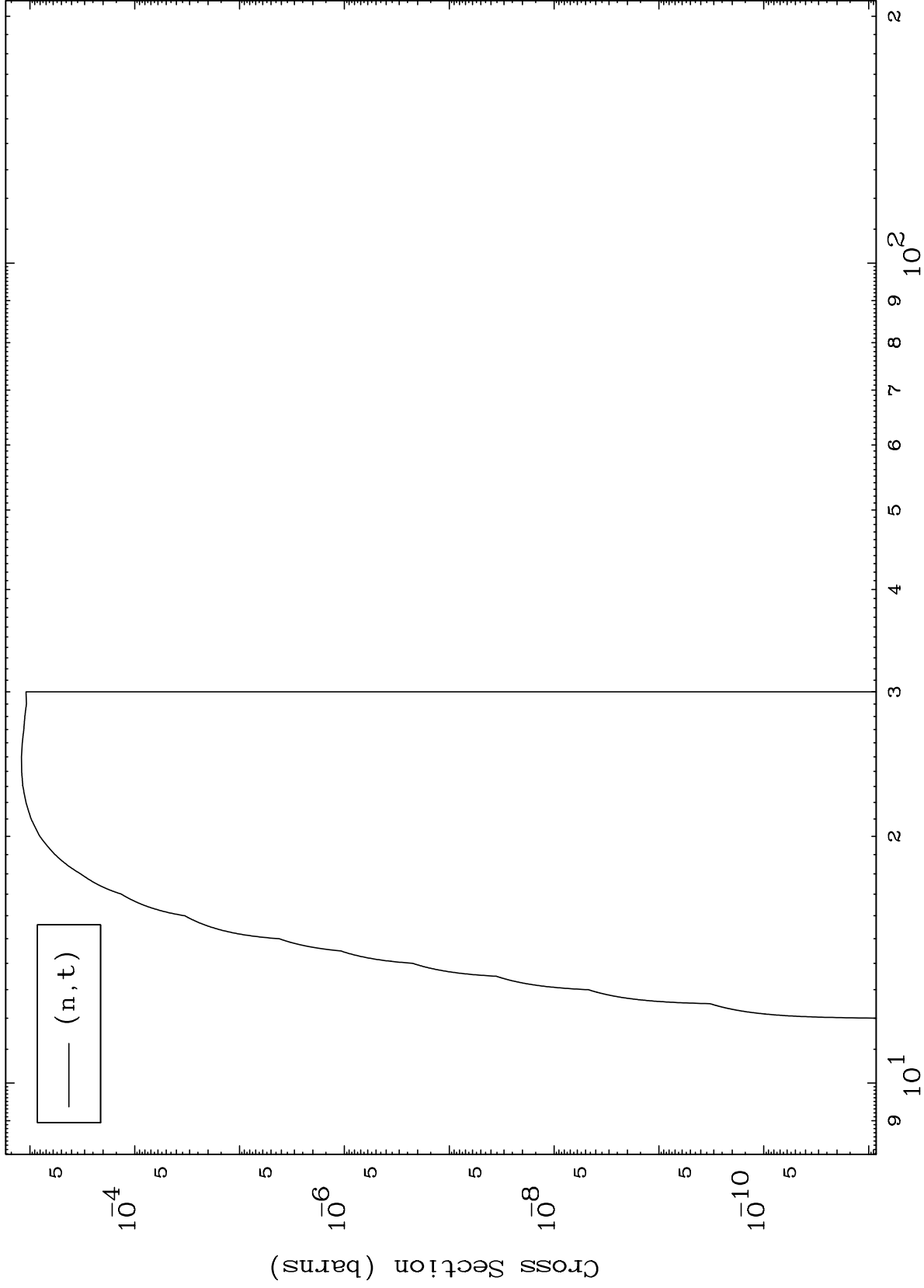
Incident Energy (MeV)

54-Xe-142

MAT 5479

(n,t) Levels  
293 Kelvin Cross Sections

54-Xe-142



13

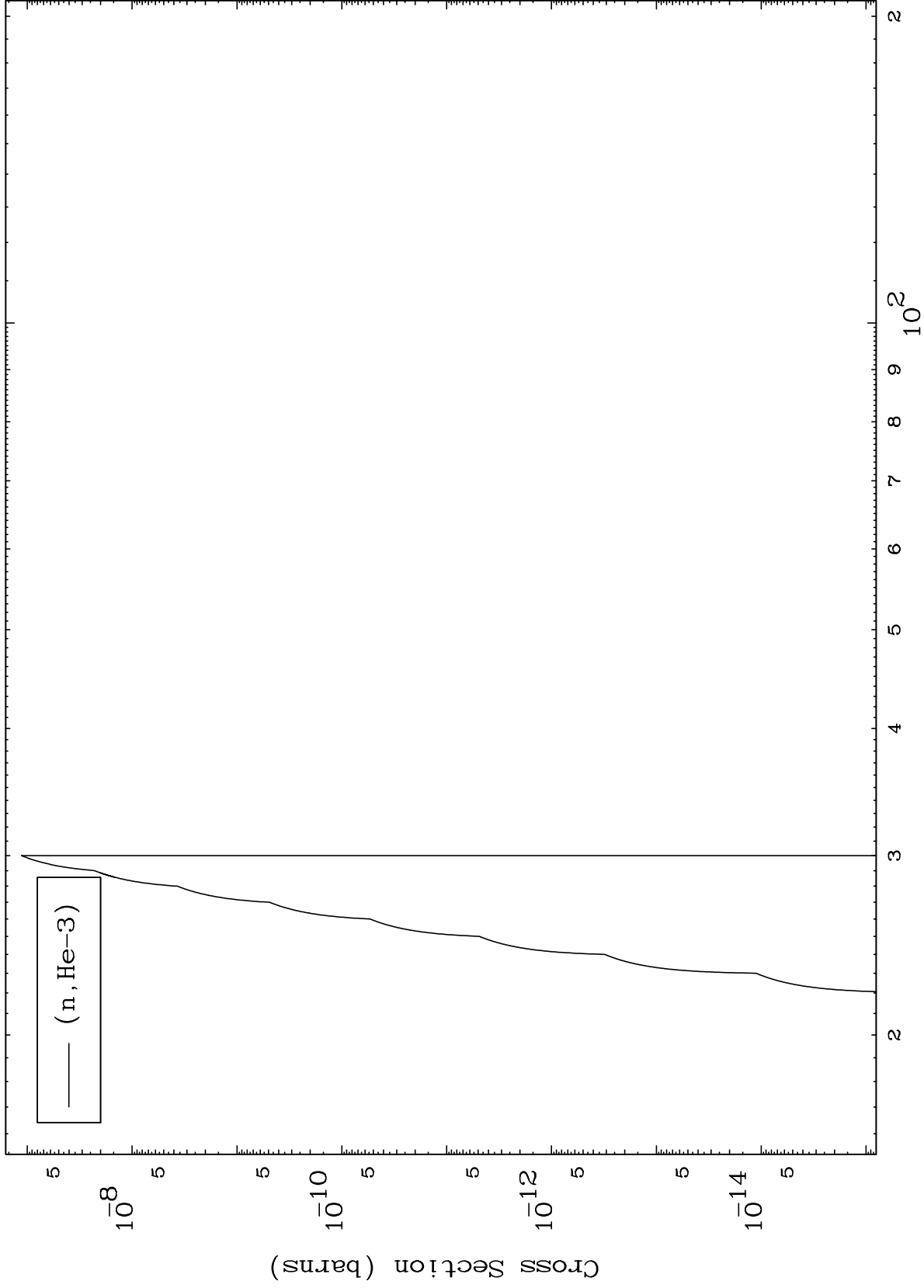
Incident Energy (MeV)

54-Xe-142

MAT 5479

(n,He3) Levels  
293 Kelvin Cross Sections

54-Xe-142



14

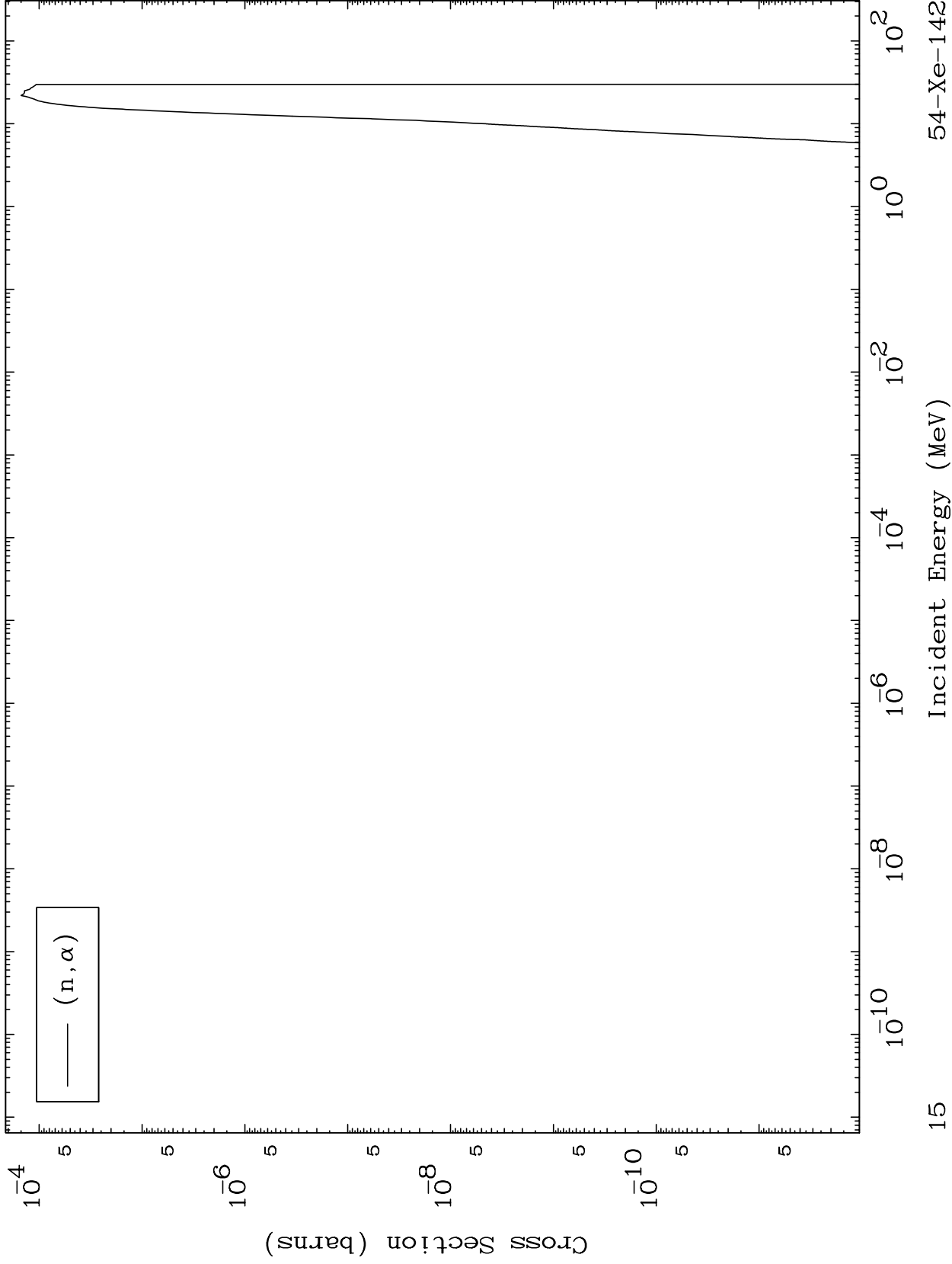
Incident Energy (MeV)

54-Xe-142

MAT 5479

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

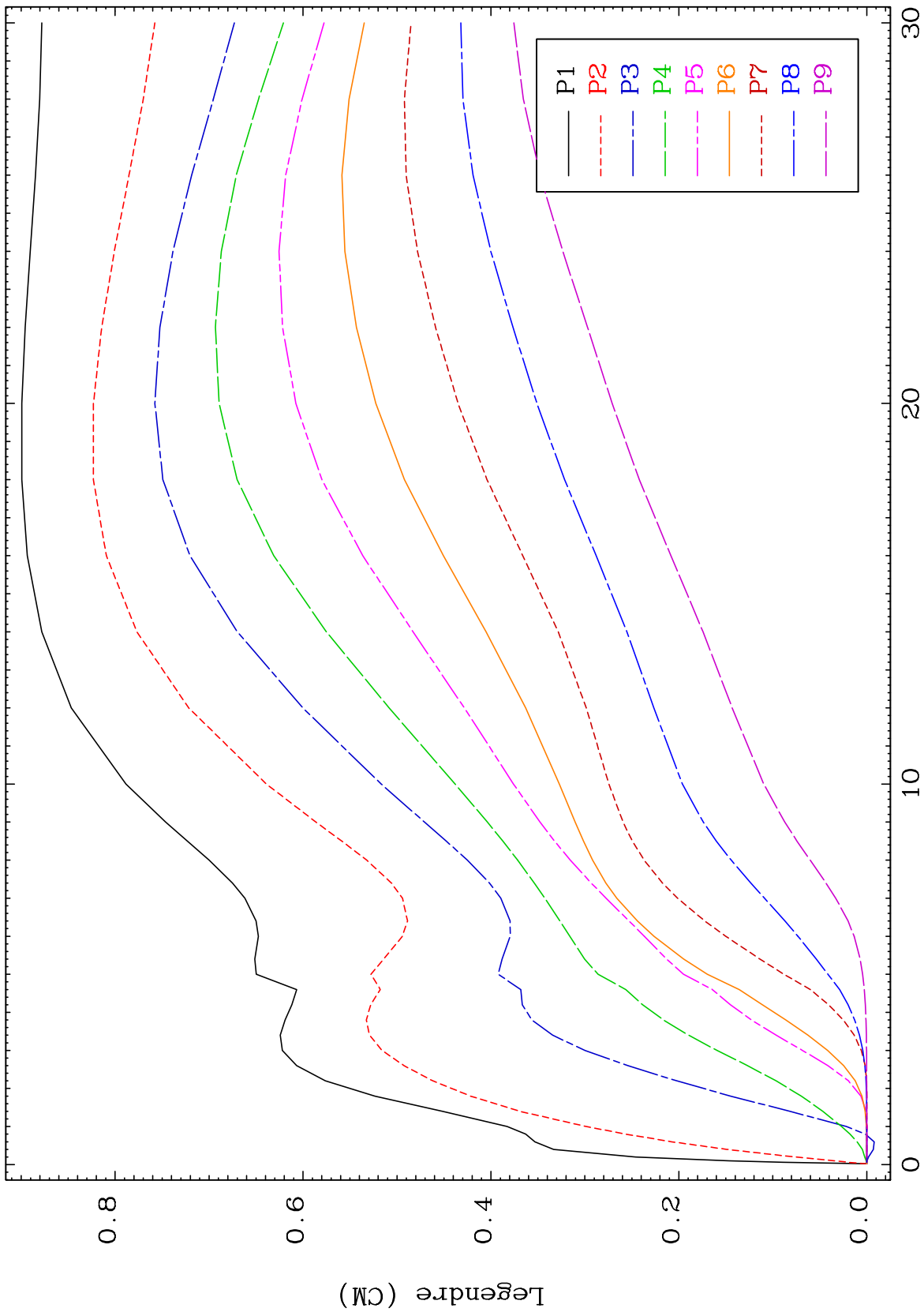
54-Xe-142



MAT 5479

54-Xe-142

Elastic Legendre Coefficients



54-Xe-142

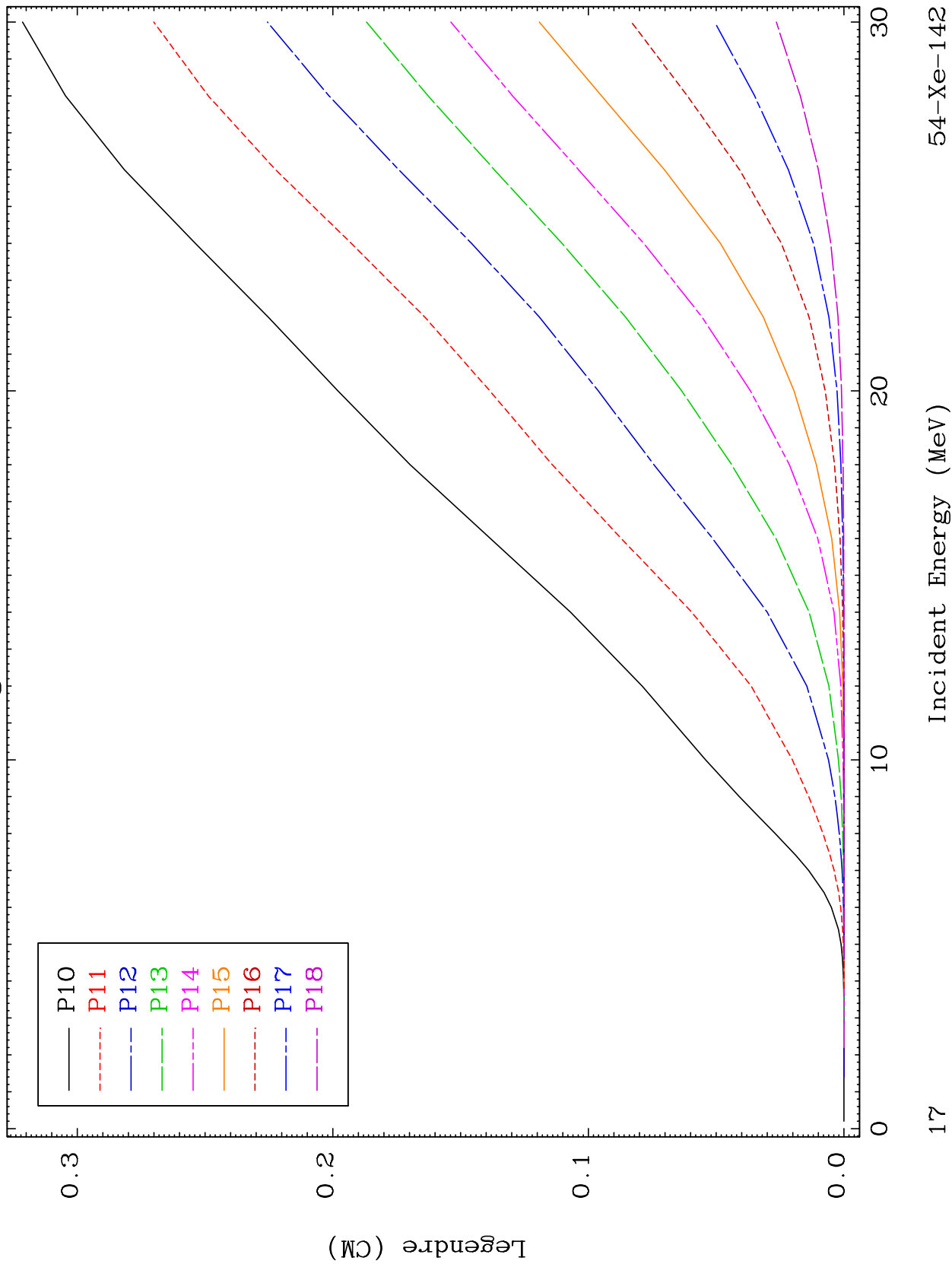
Incident Energy (MeV)

16

MAT 5479

Elastic Legendre Coefficients

54-Xe-142



17

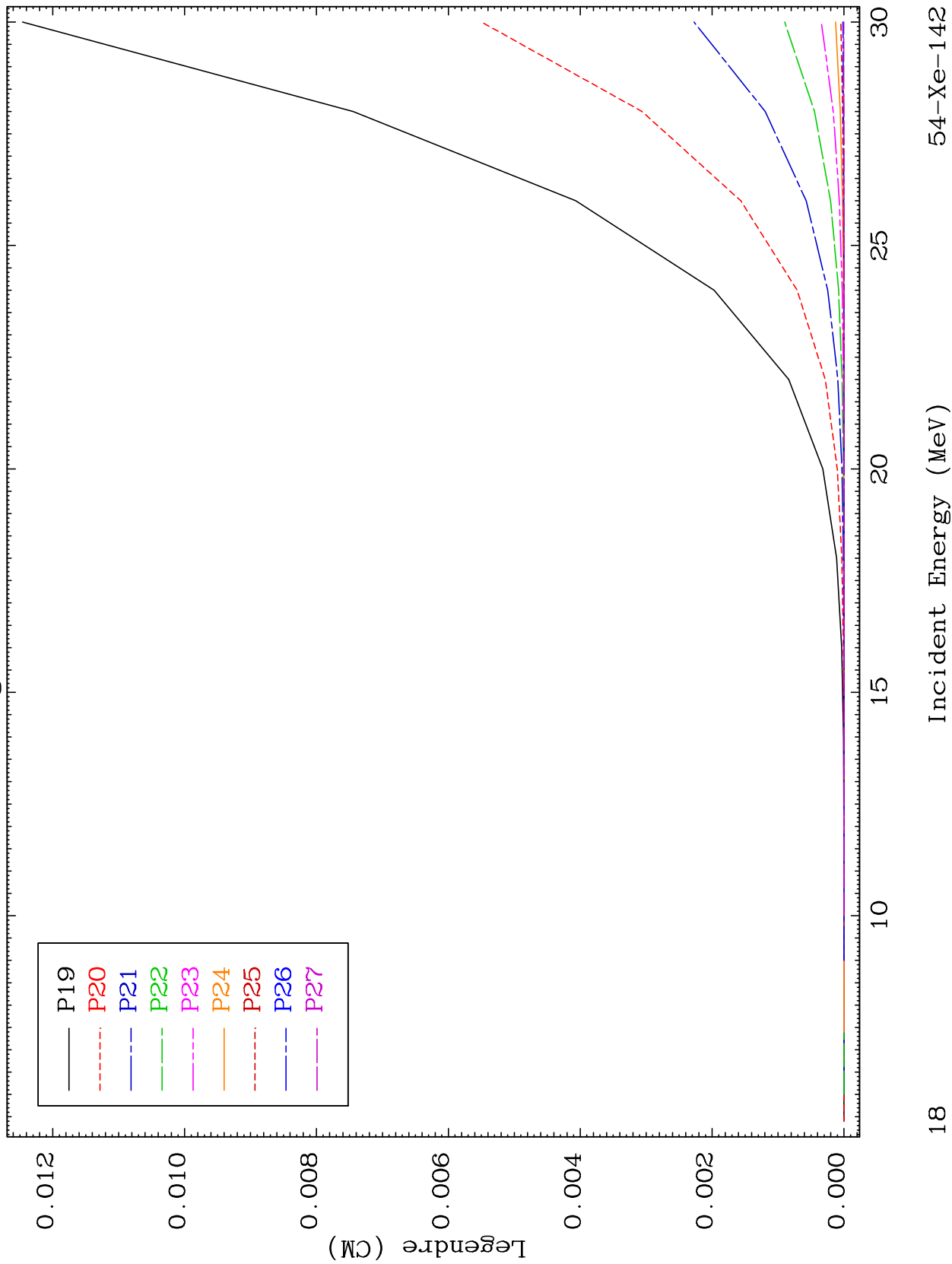
Incident Energy (MeV)

54-Xe-142

MAT 5479

### Elastic Legendre Coefficients

54-Xe-142



18

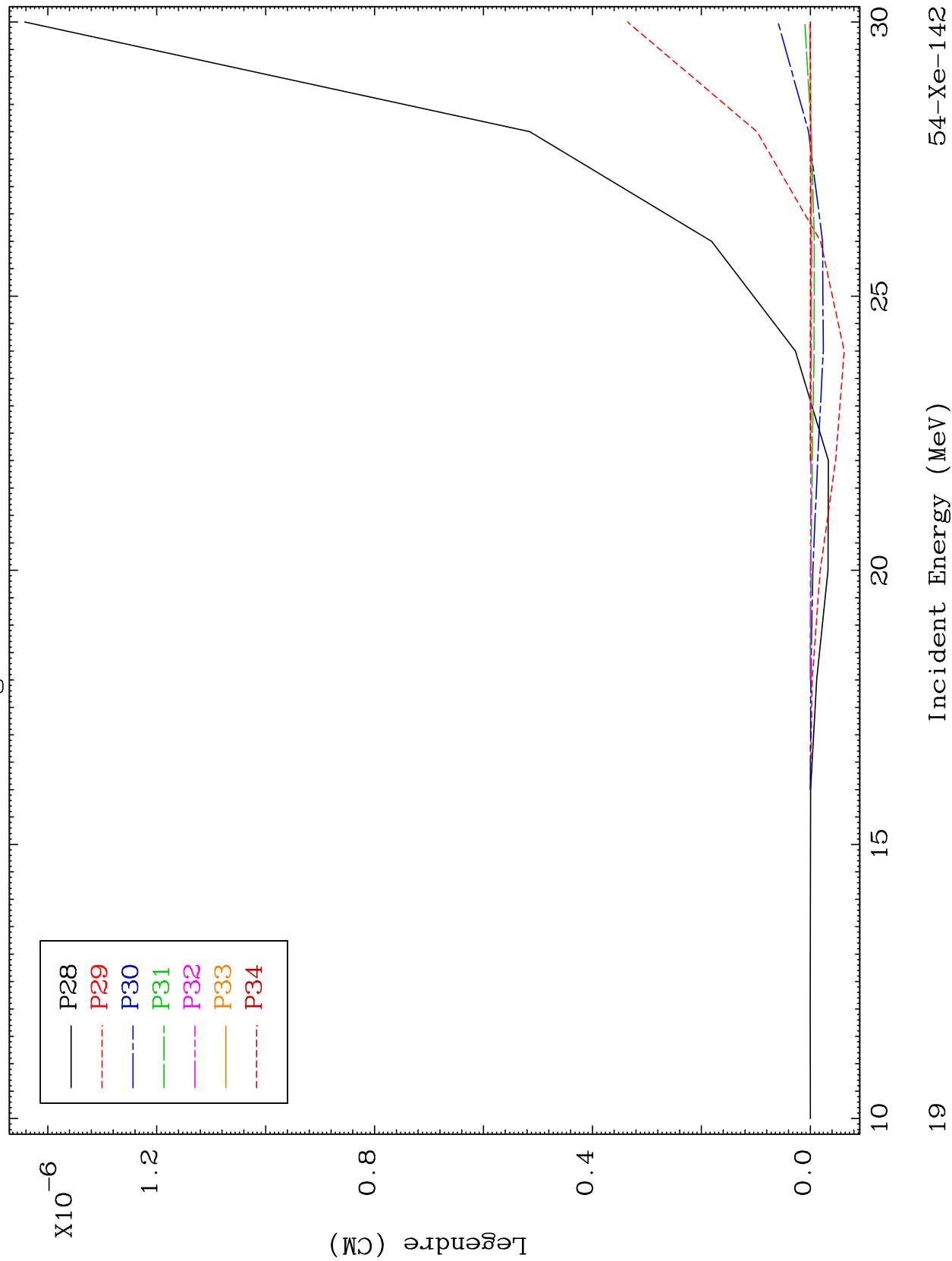
Incident Energy (MeV)

54-Xe-142

MAT 5479

Elastic  
Legendre Coefficients

54-Xe-142



19

Incident Energy (MeV)

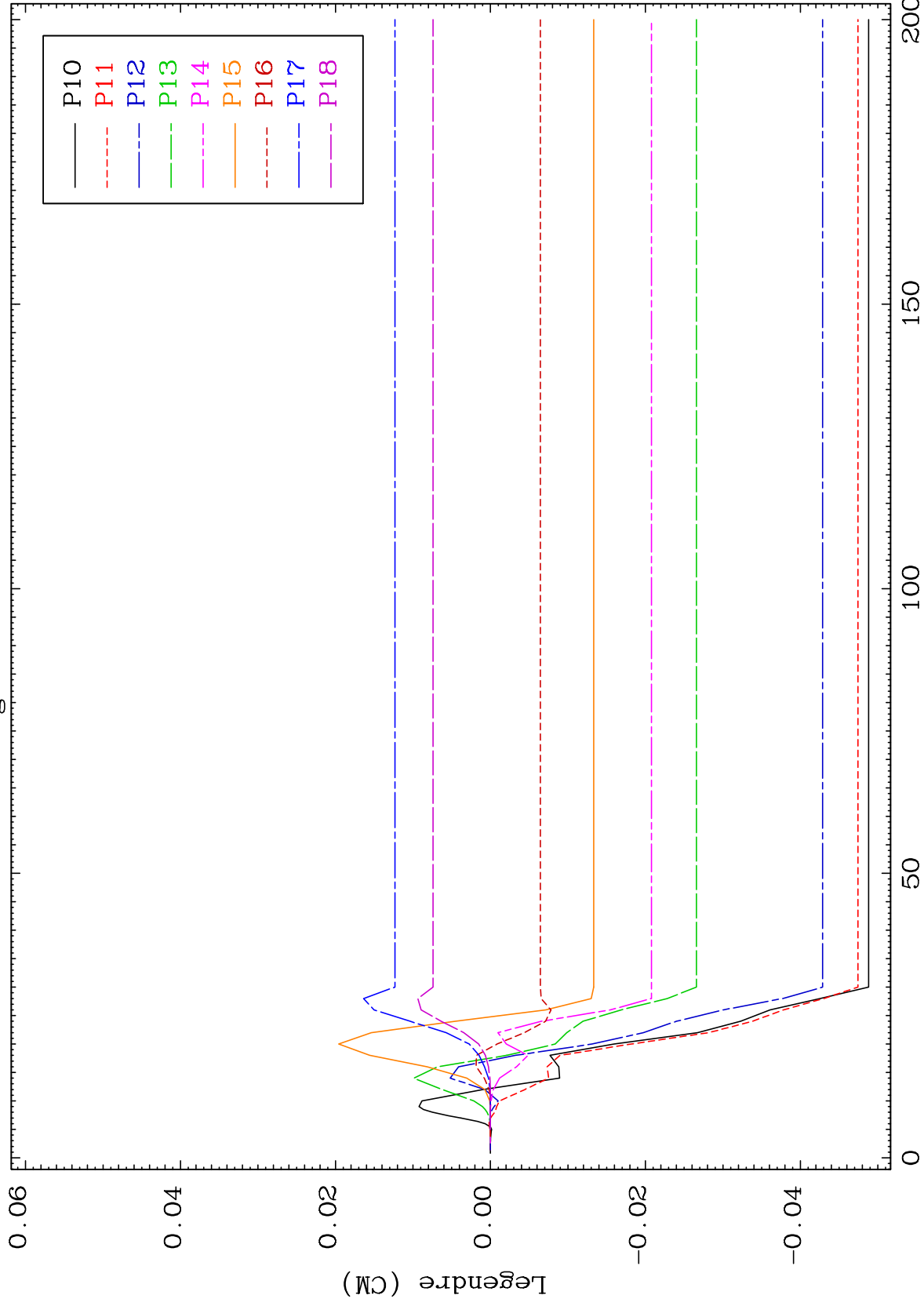
54-Xe-142



MAT 5479

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

54-Xe-142



21

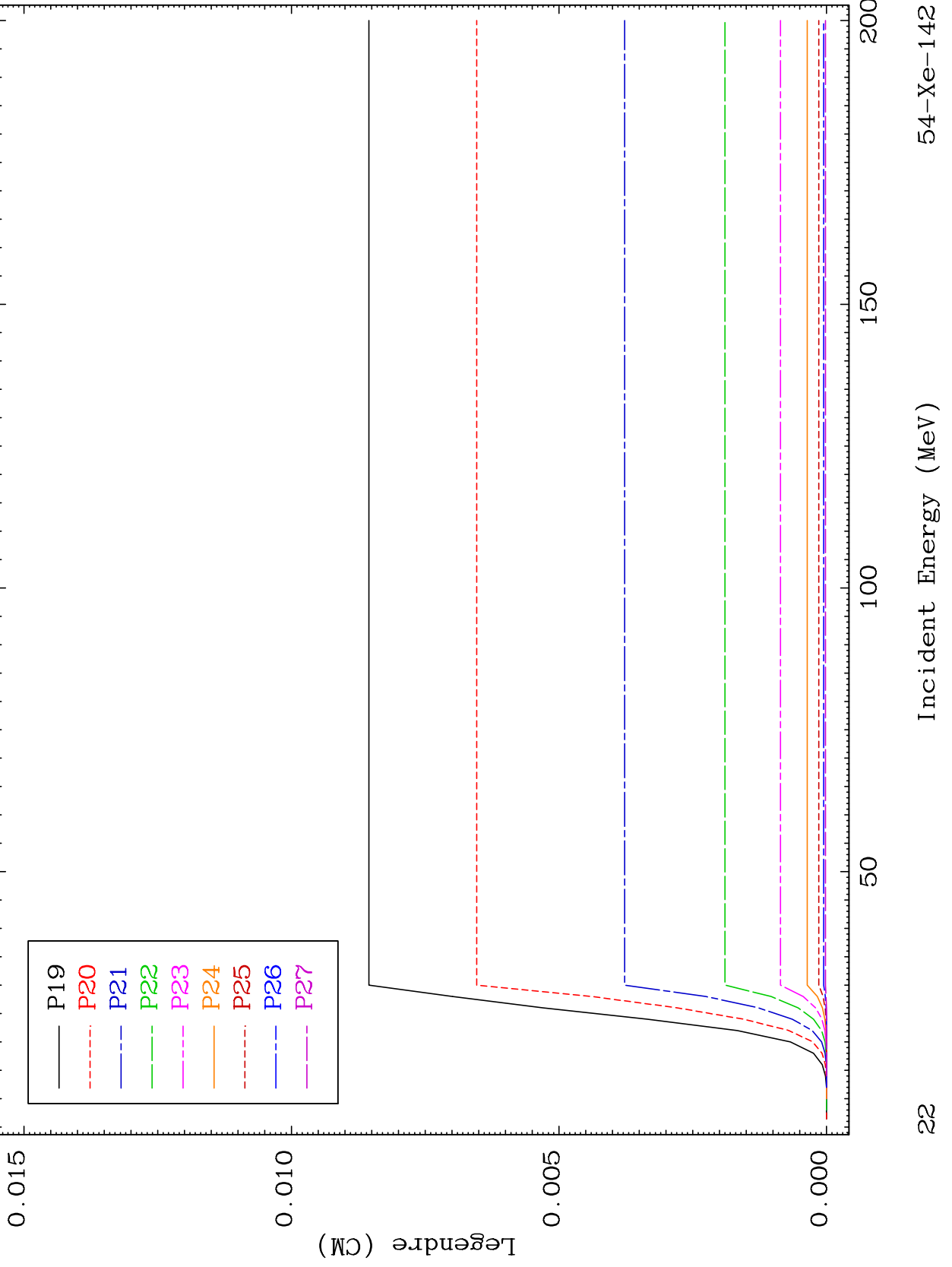
Incident Energy (MeV)

54-Xe-142

MAT 5479

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

54-Xe-142



22

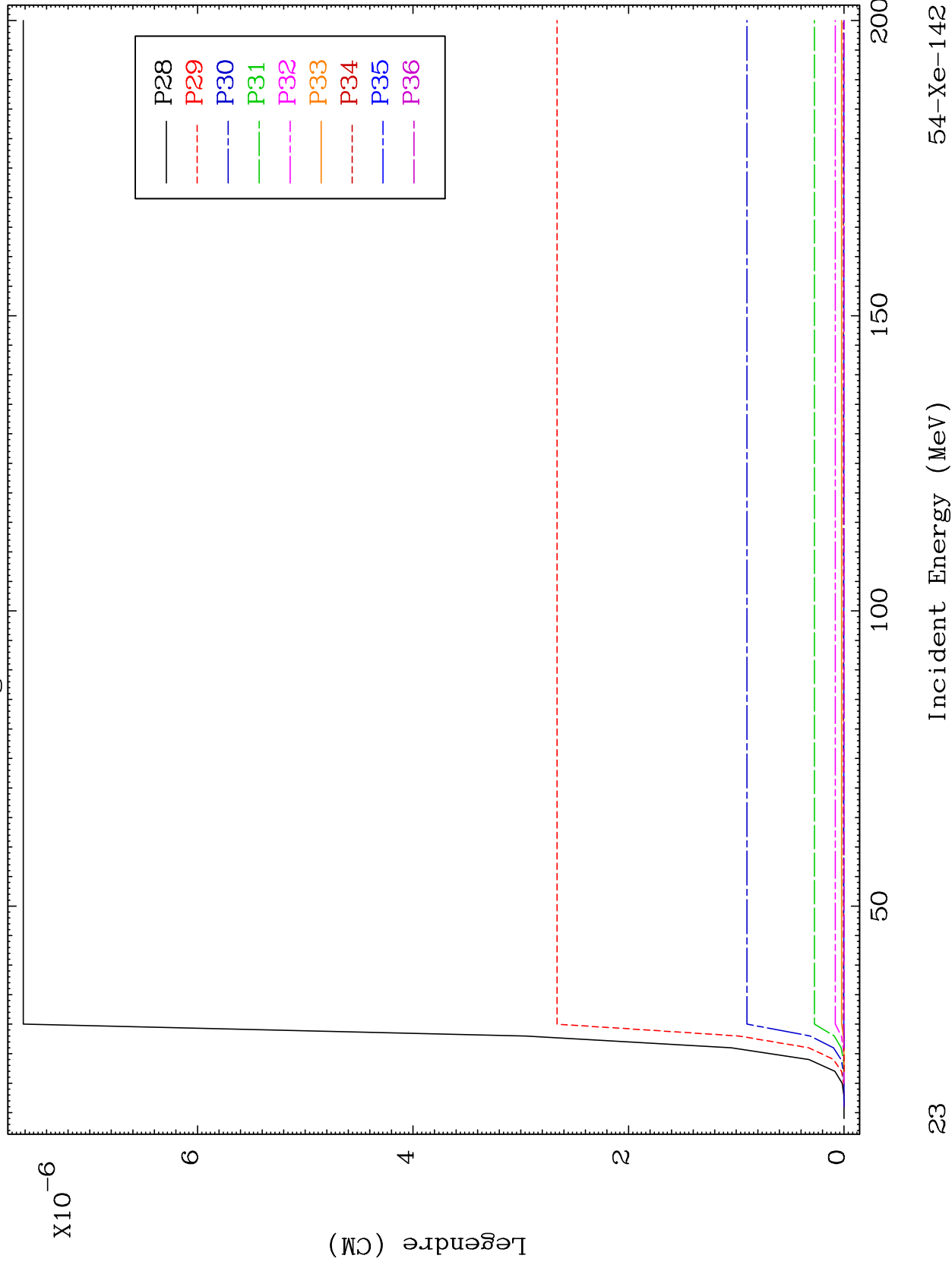
Incident Energy (MeV)

54-Xe-142

MAT 5479

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

54-Xe-142



23

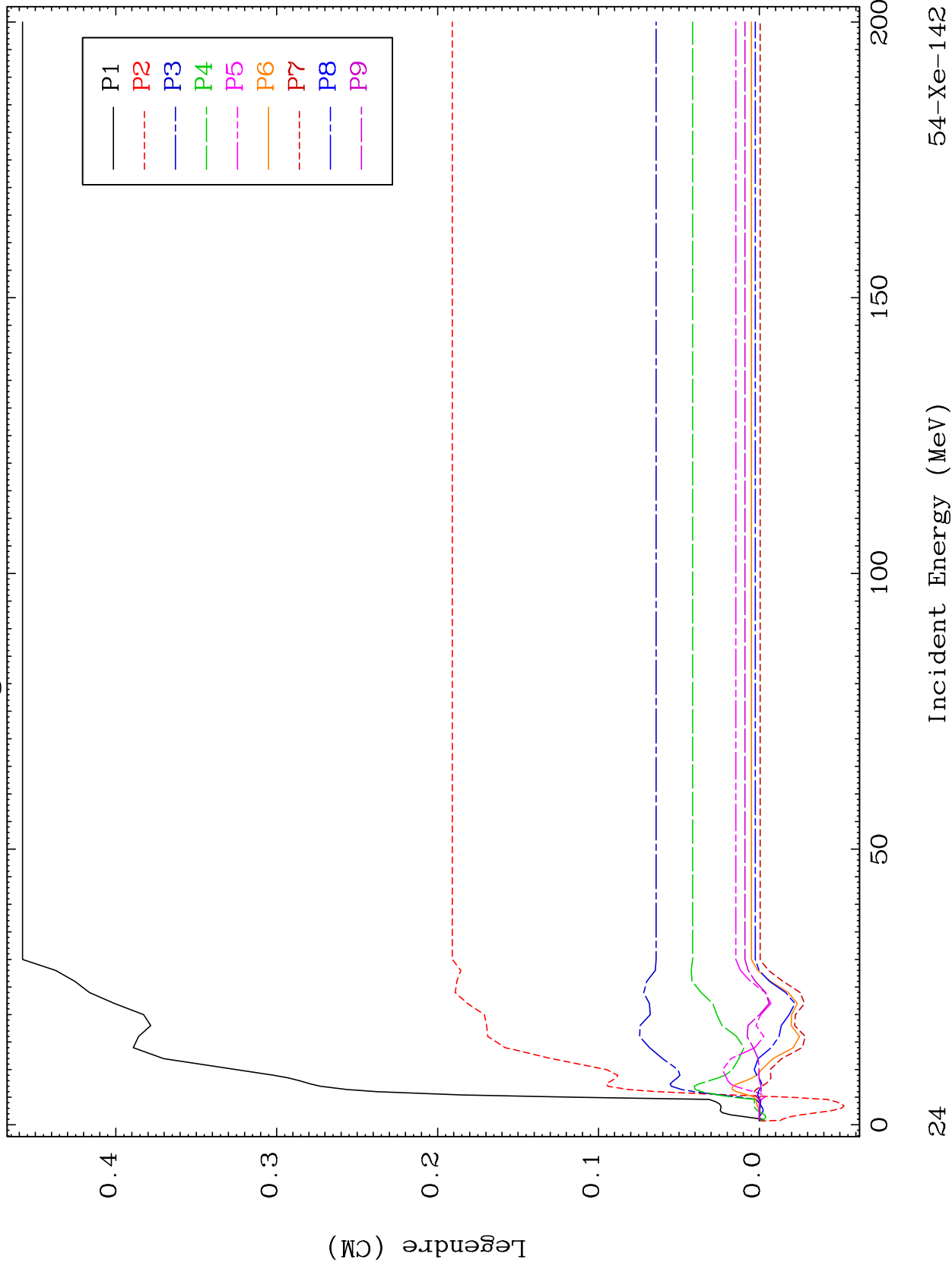
Incident Energy (MeV)

54-Xe-142

MAT 5479

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

54-Xe-142



54-Xe-142

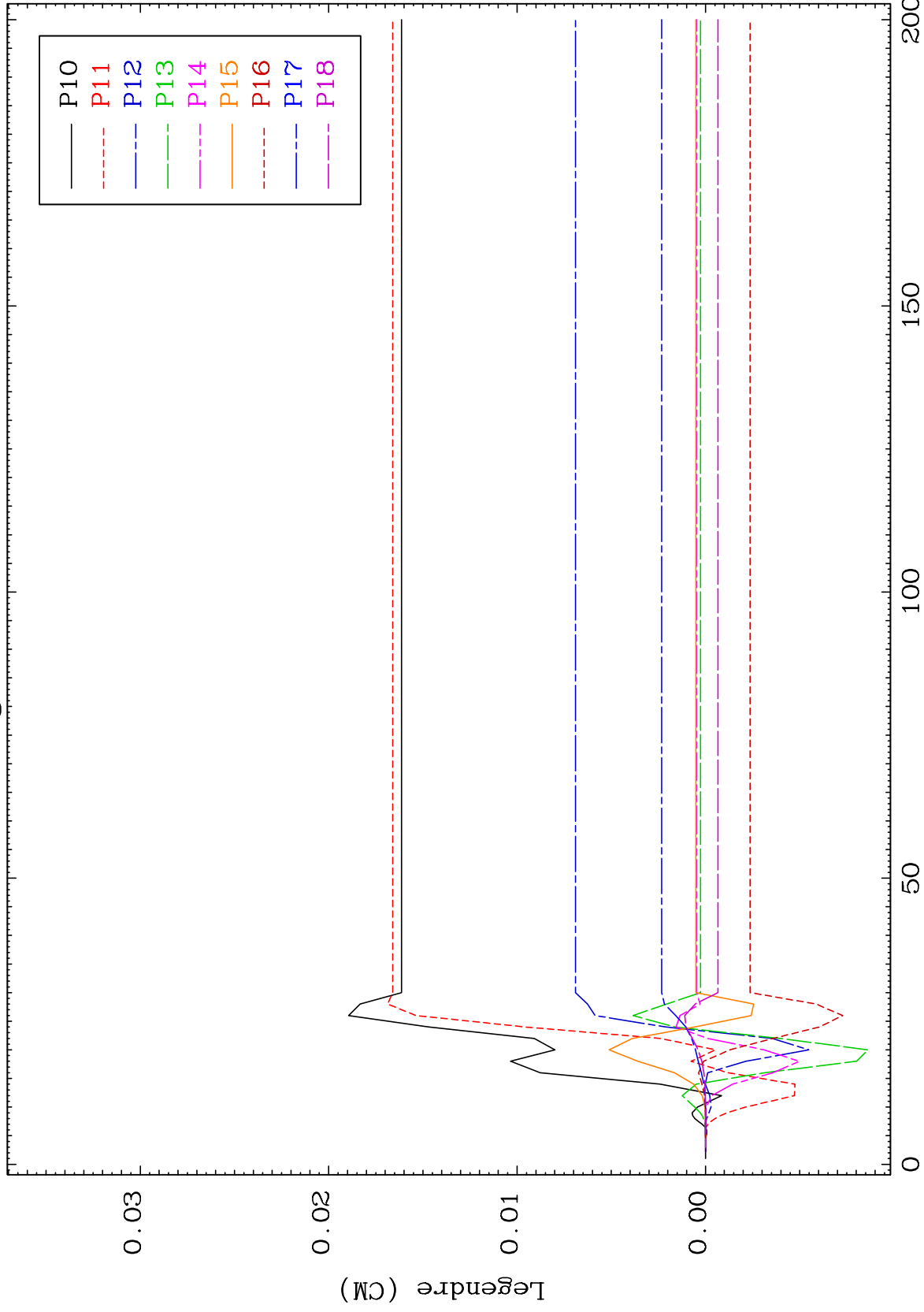
Incident Energy (MeV)

24

MAT 5479

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

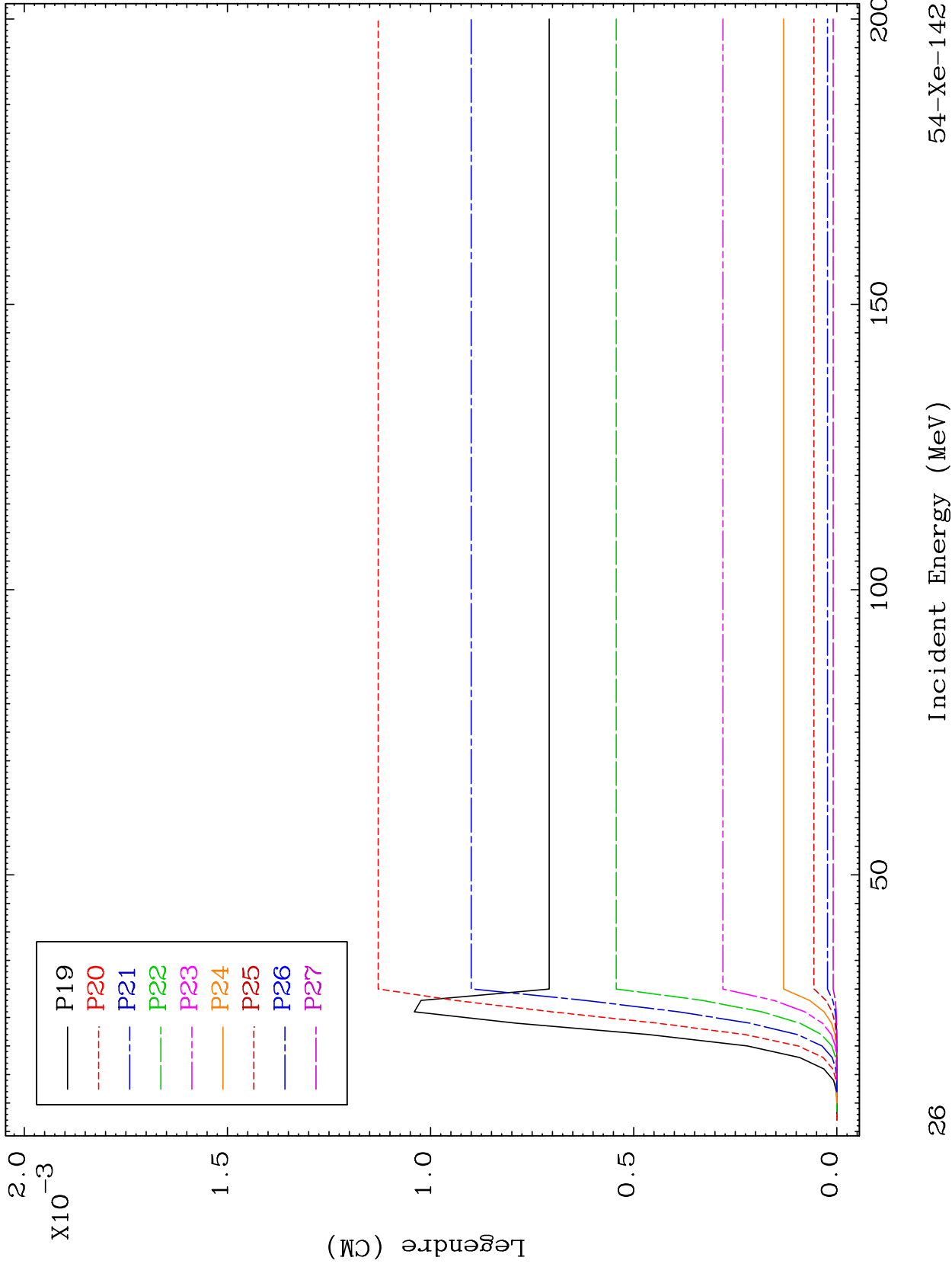
54-Xe-142



25

Incident Energy (MeV)

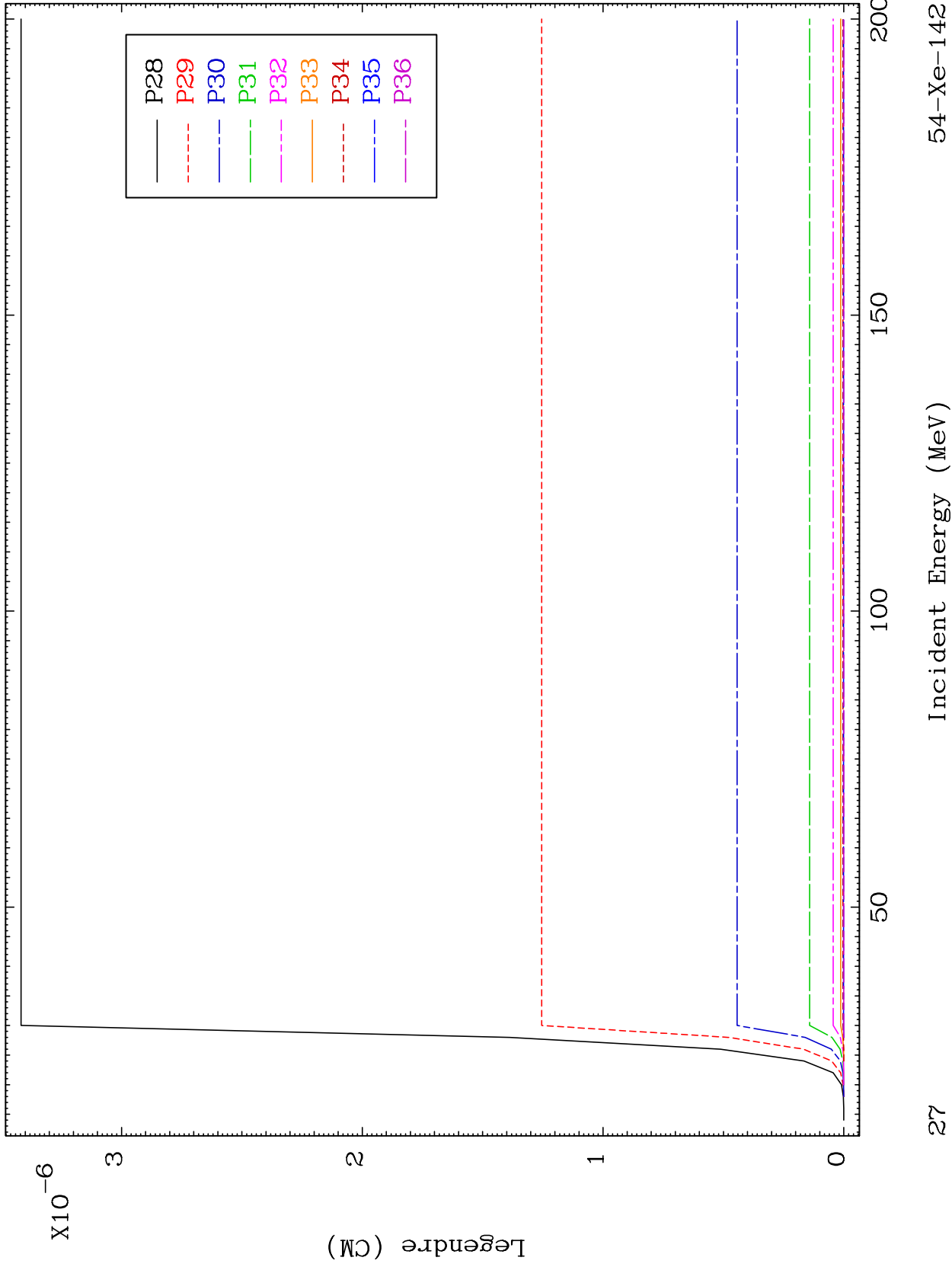
54-Xe-142



MAT 5479

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

54-Xe-142



27

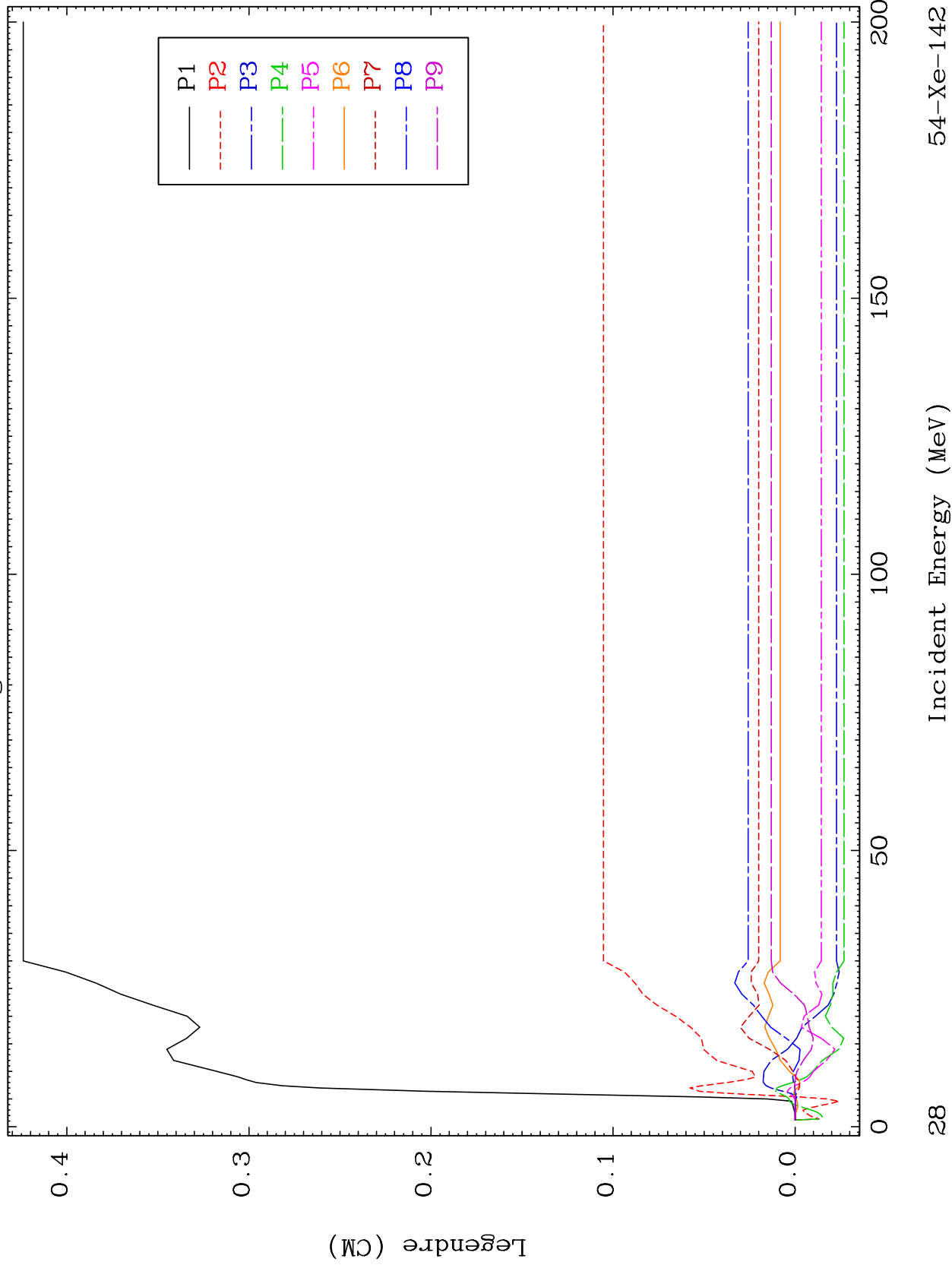
Incident Energy (MeV)

54-Xe-142

MAT 5479

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

54-Xe-142



54-Xe-142

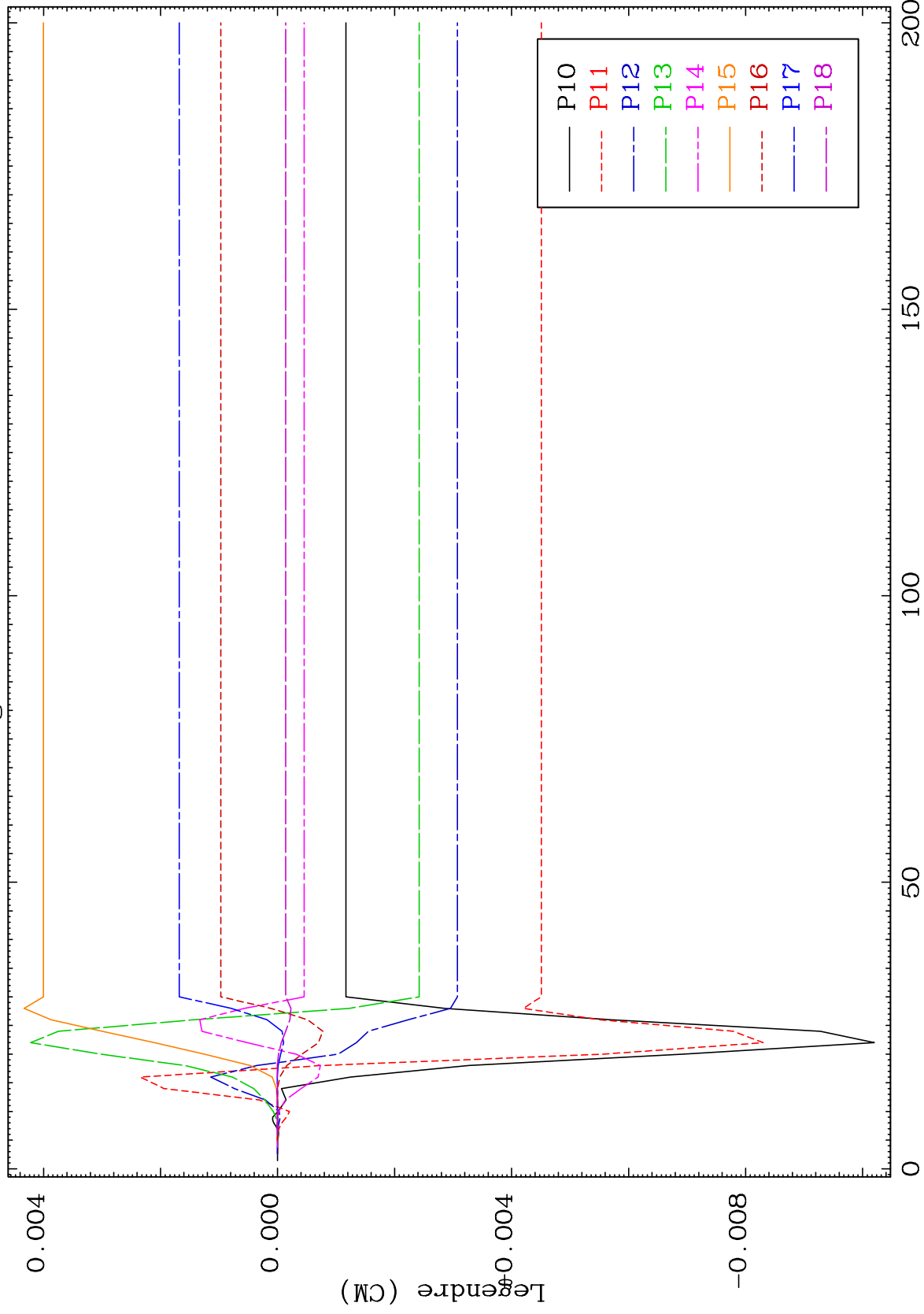
Incident Energy (MeV)

28

MAT 5479

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

54-Xe-142



29

Incident Energy (MeV)

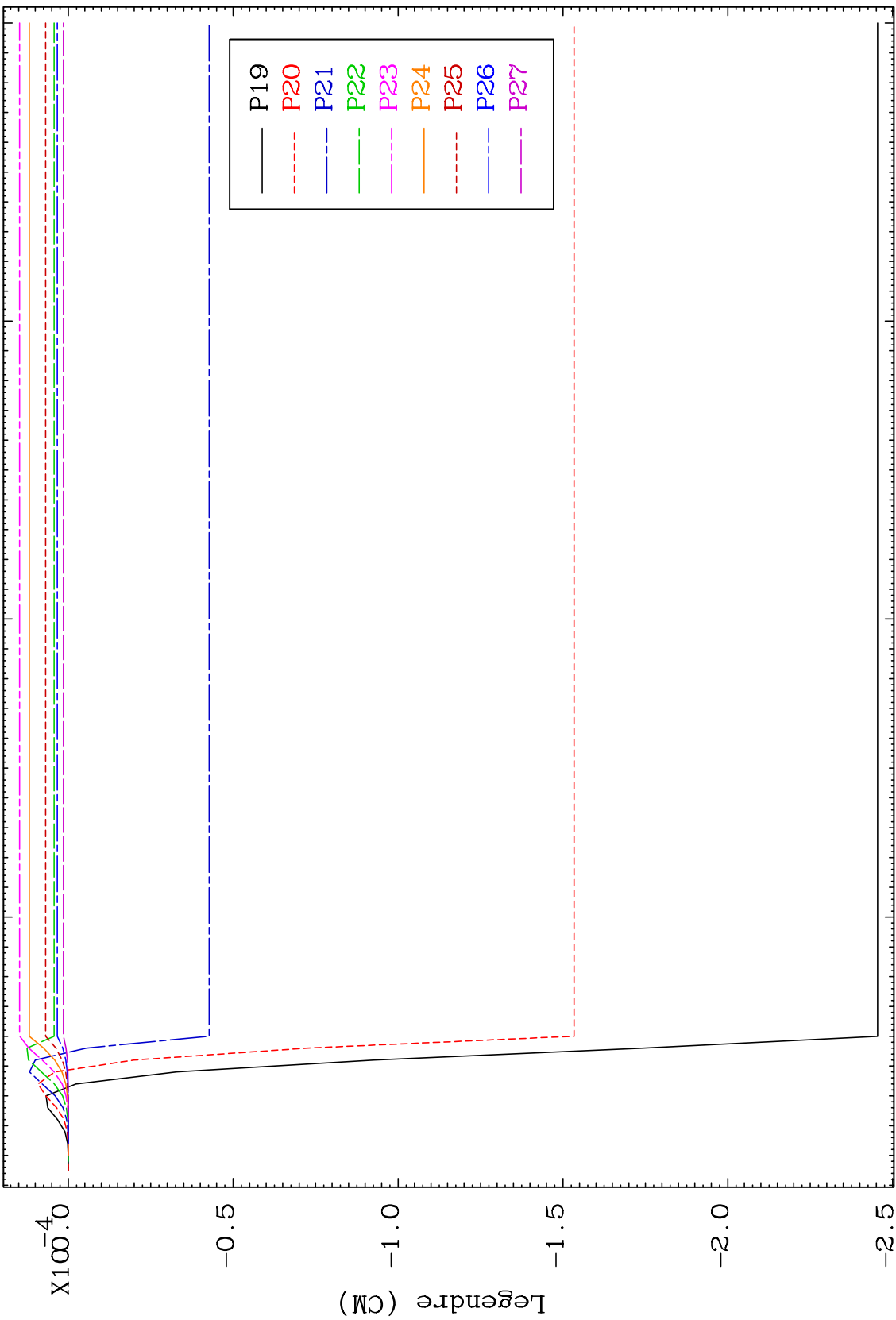
54-Xe-142

MAT 5479

MT= 53 (n,n') Level

54-Xe-142

Legendre Coefficients



54-Xe-142

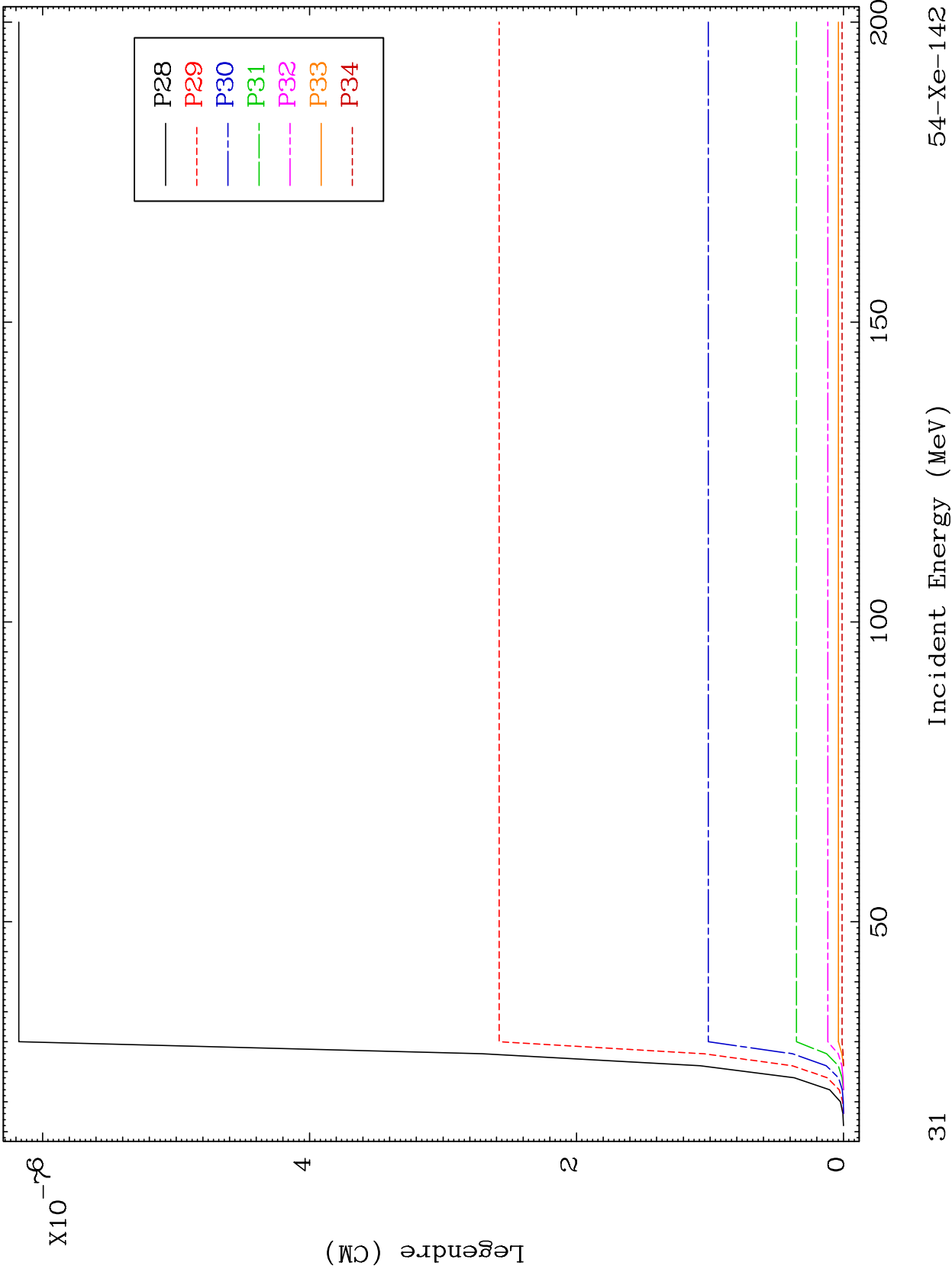
Incident Energy (MeV)

30

MAT 5479

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

54-Xe-142



31

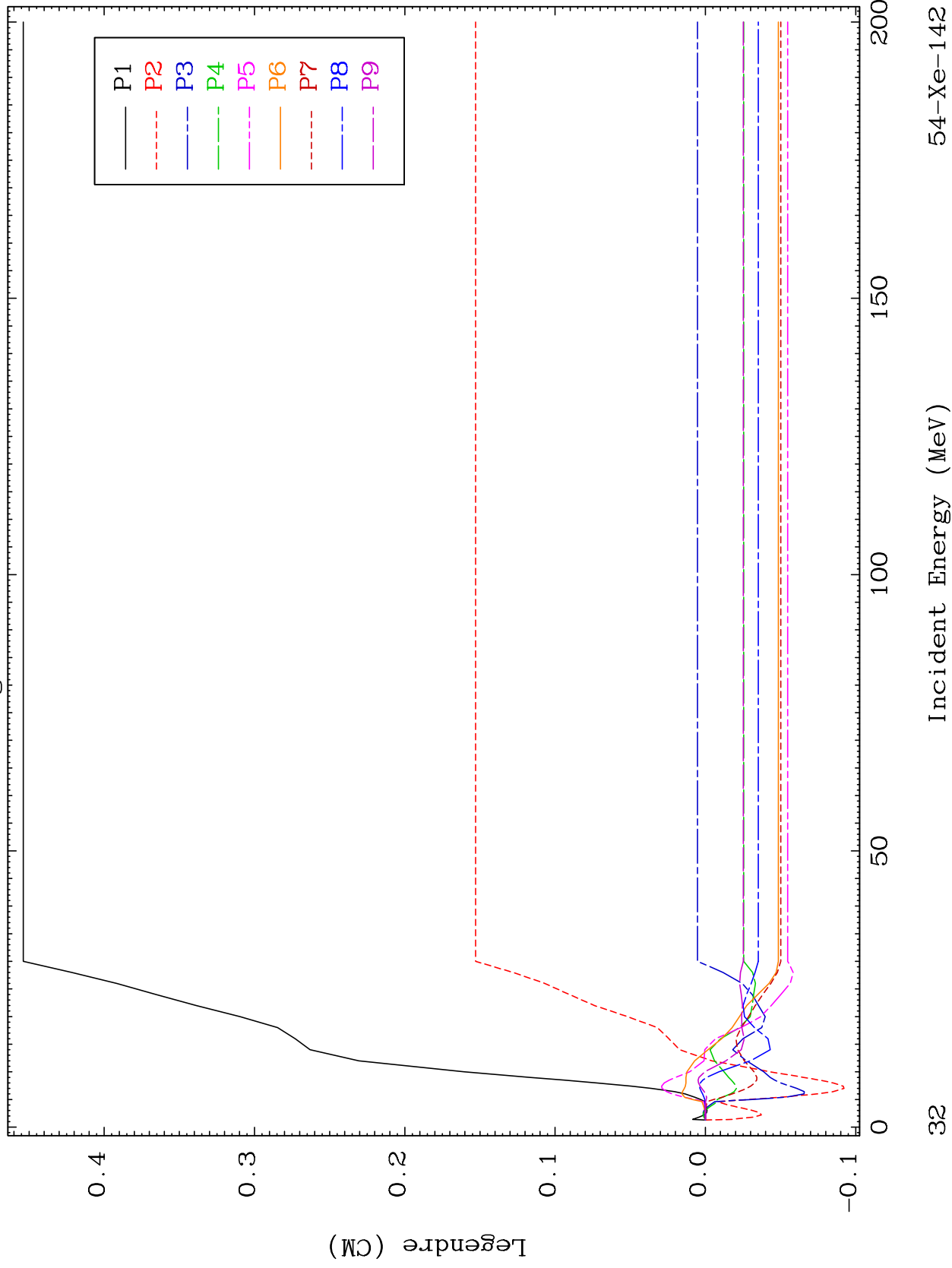
Incident Energy (MeV)

54-Xe-142

MAT 5479

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

54-Xe-142



54-Xe-142

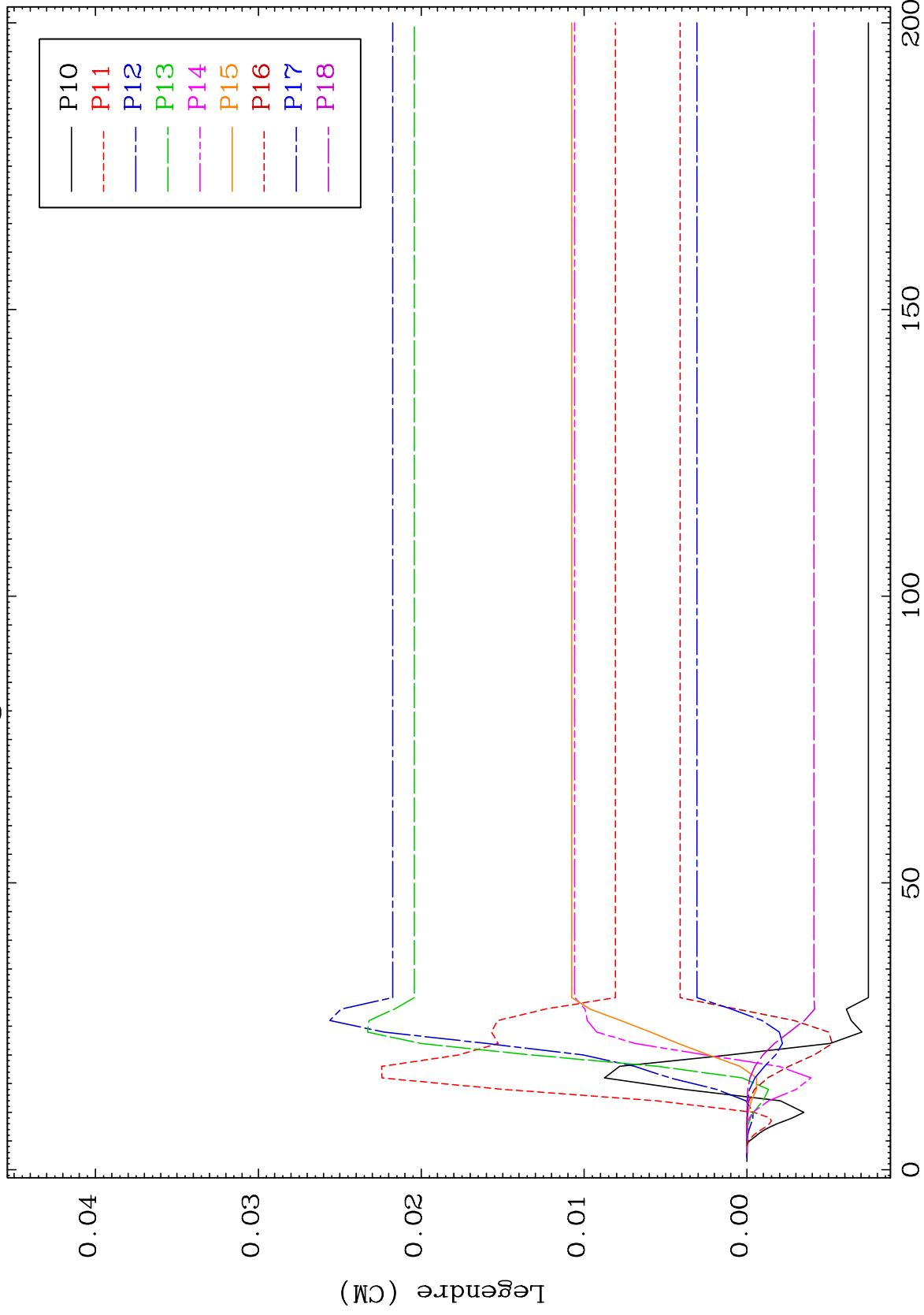
Incident Energy (MeV)

32

MAT 5479

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

54-Xe-142



33

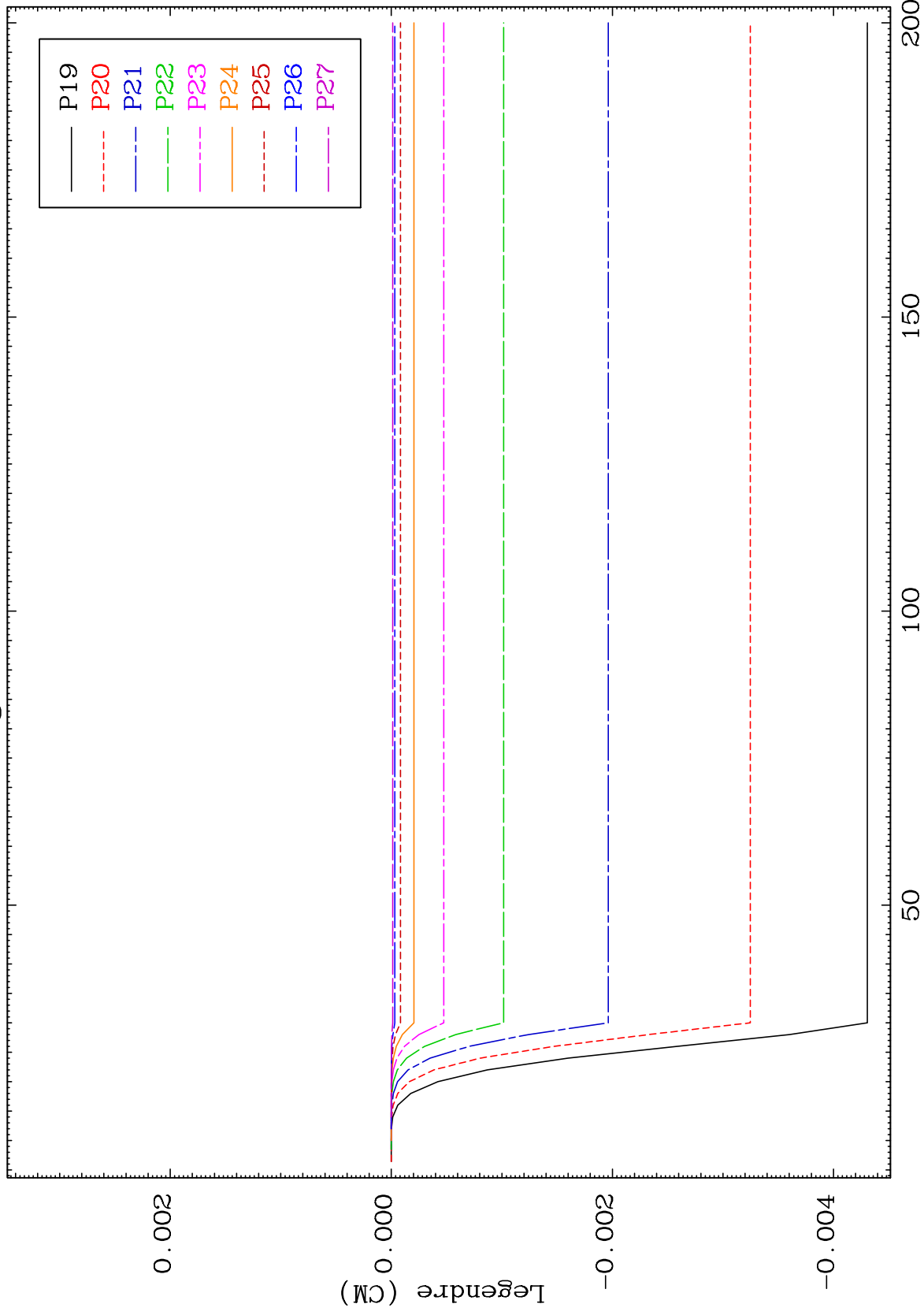
Incident Energy (MeV)

54-Xe-142

MAT 5479

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

54-Xe-142



34

Incident Energy (MeV)

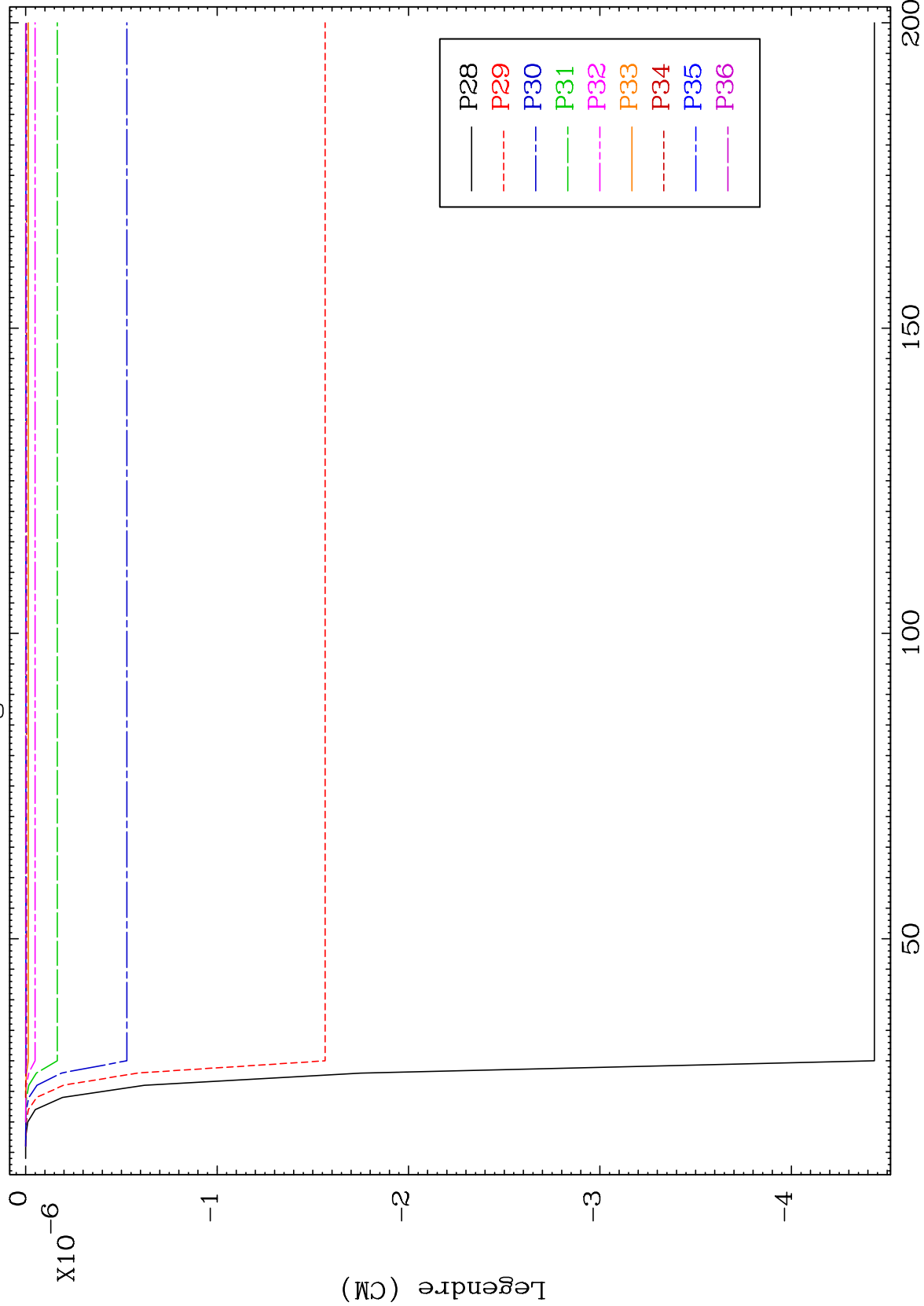
54-Xe-142

MAT 5479

MT= 54 (n,n') Level

54-Xe-142

Legendre Coefficients



54-Xe-142

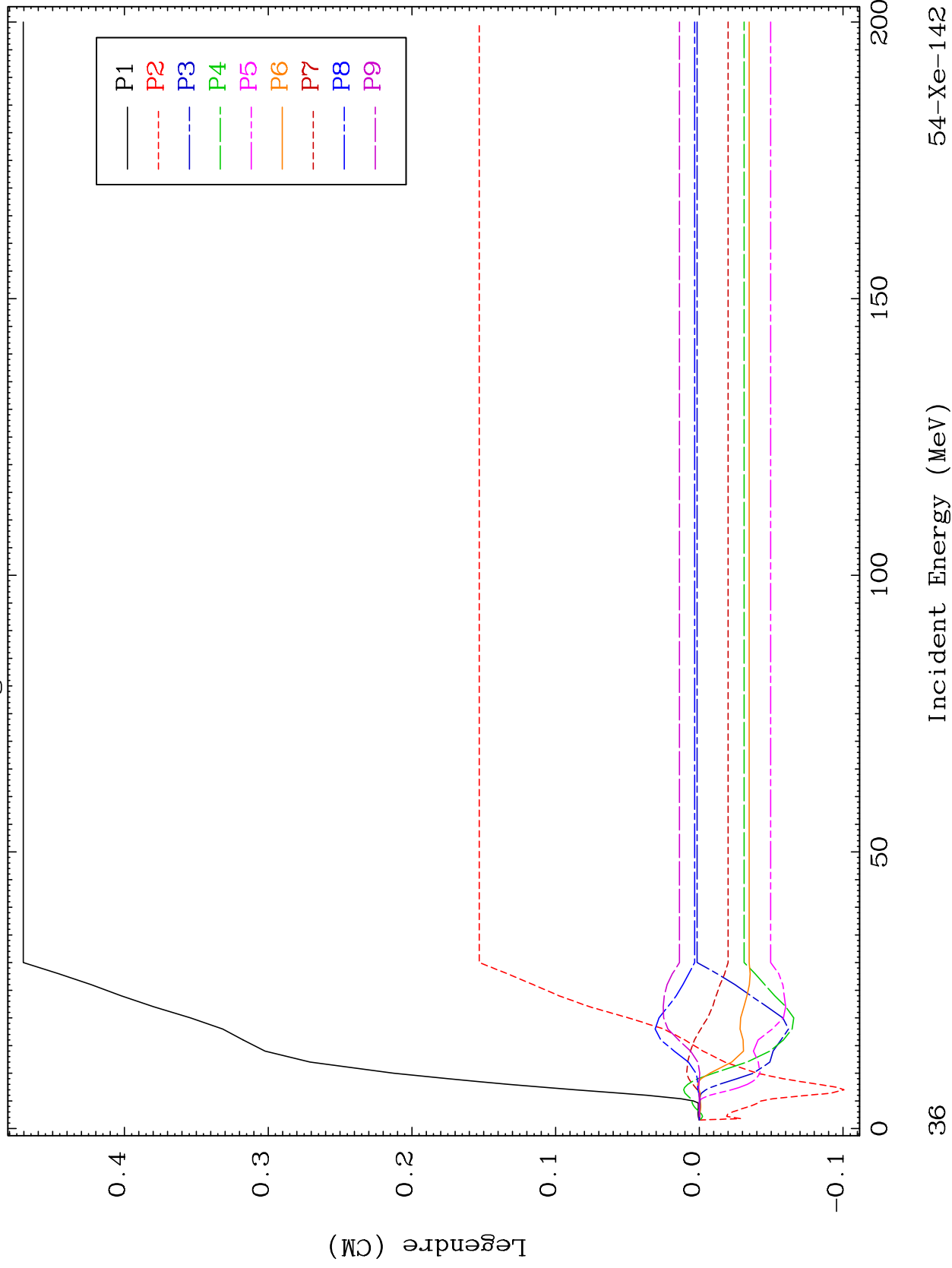
Incident Energy (MeV)

35

MAT 5479

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

54-Xe-142



54-Xe-142

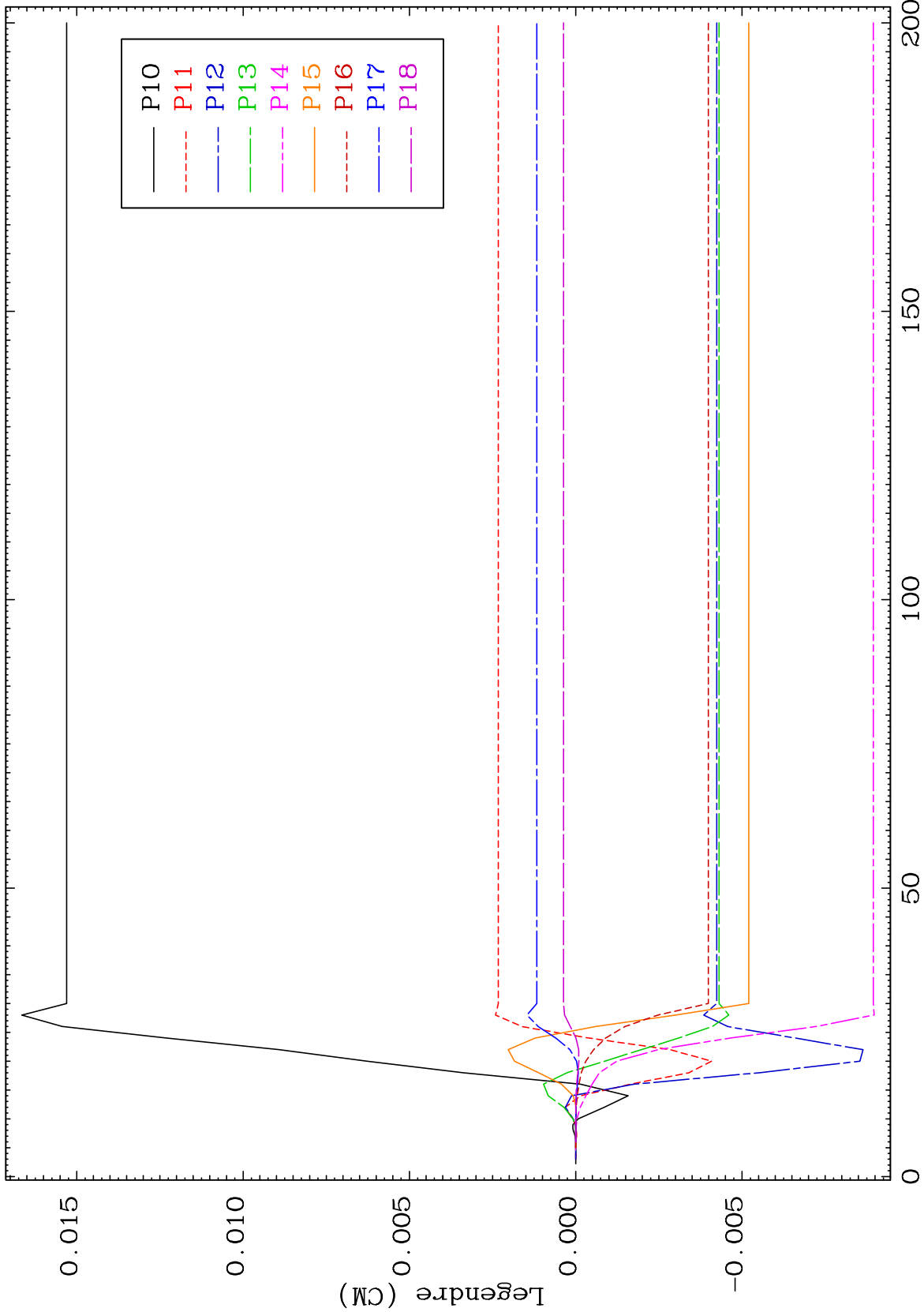
Incident Energy (MeV)

36

MAT 5479

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

54-Xe-142



37

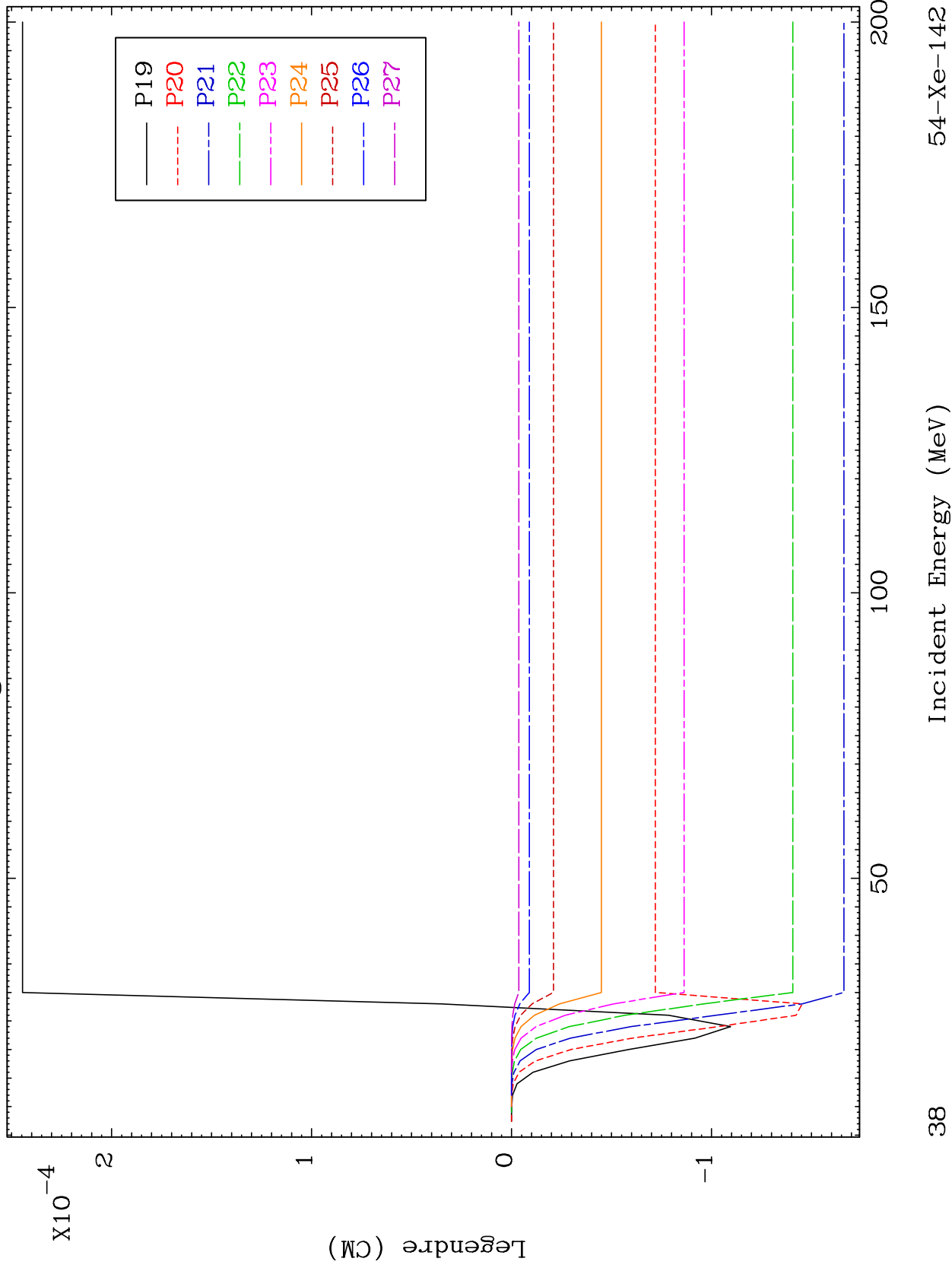
Incident Energy (MeV)

54-Xe-142

MAT 5479

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

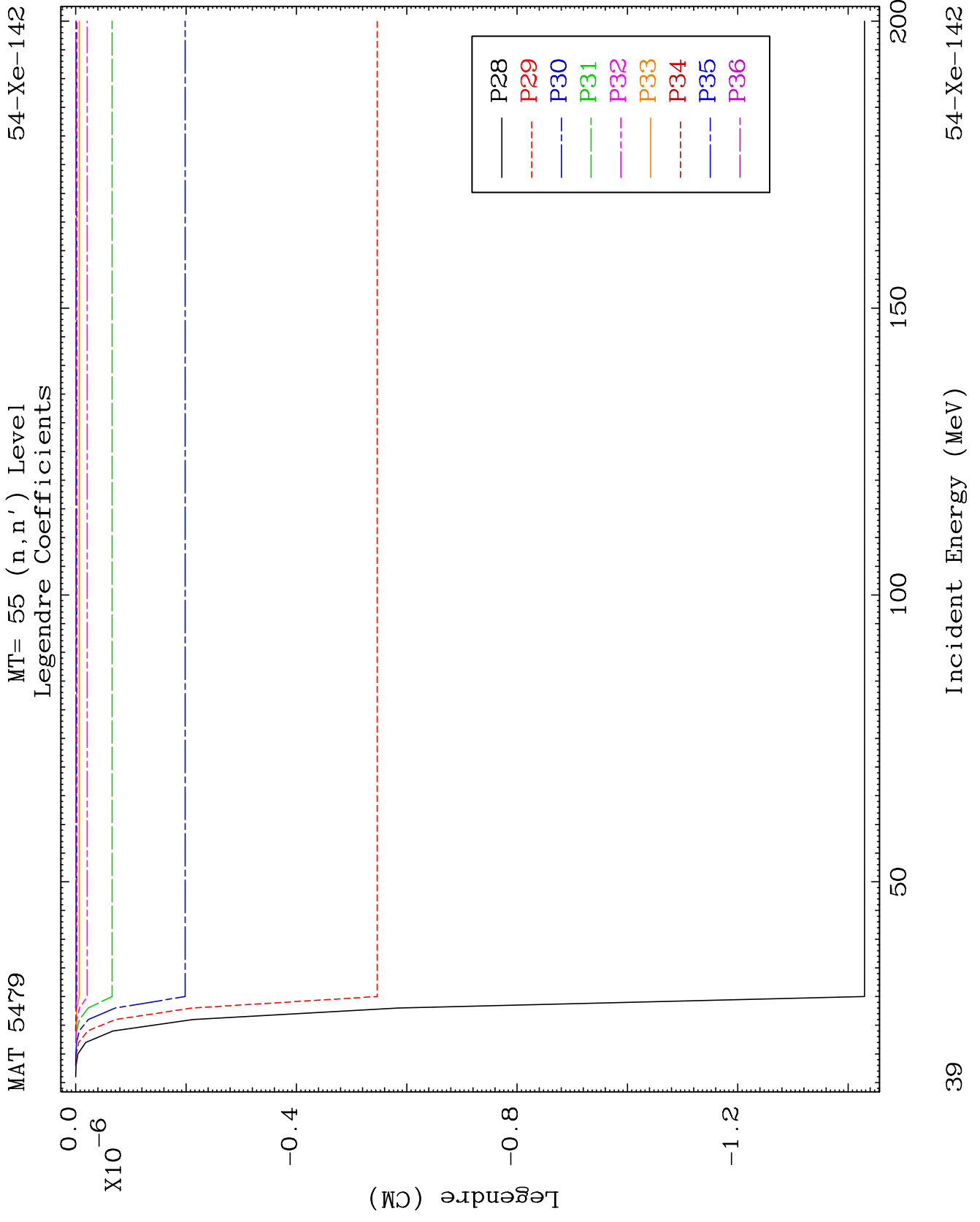
54-Xe-142

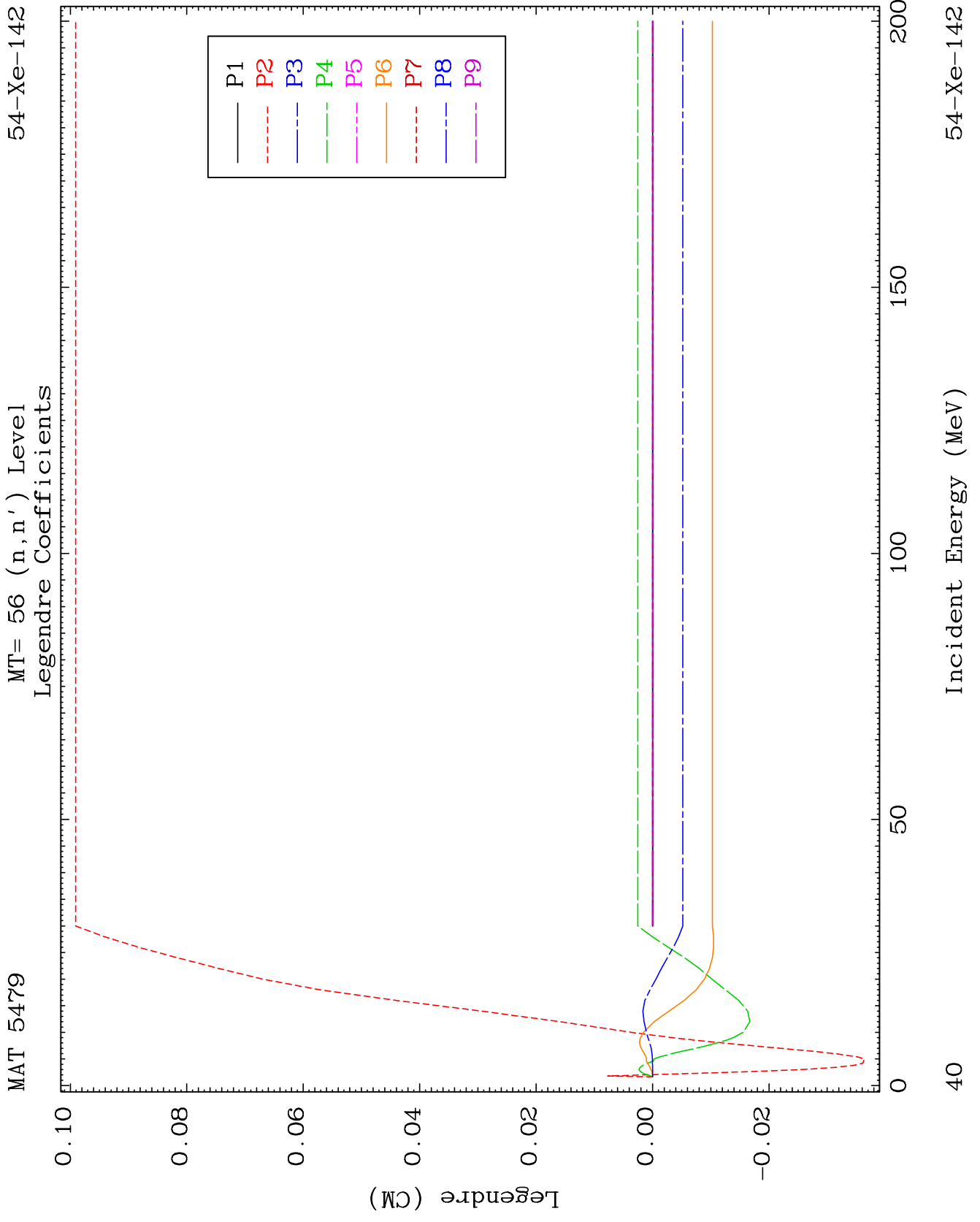


38

Incident Energy (MeV)

54-Xe-142



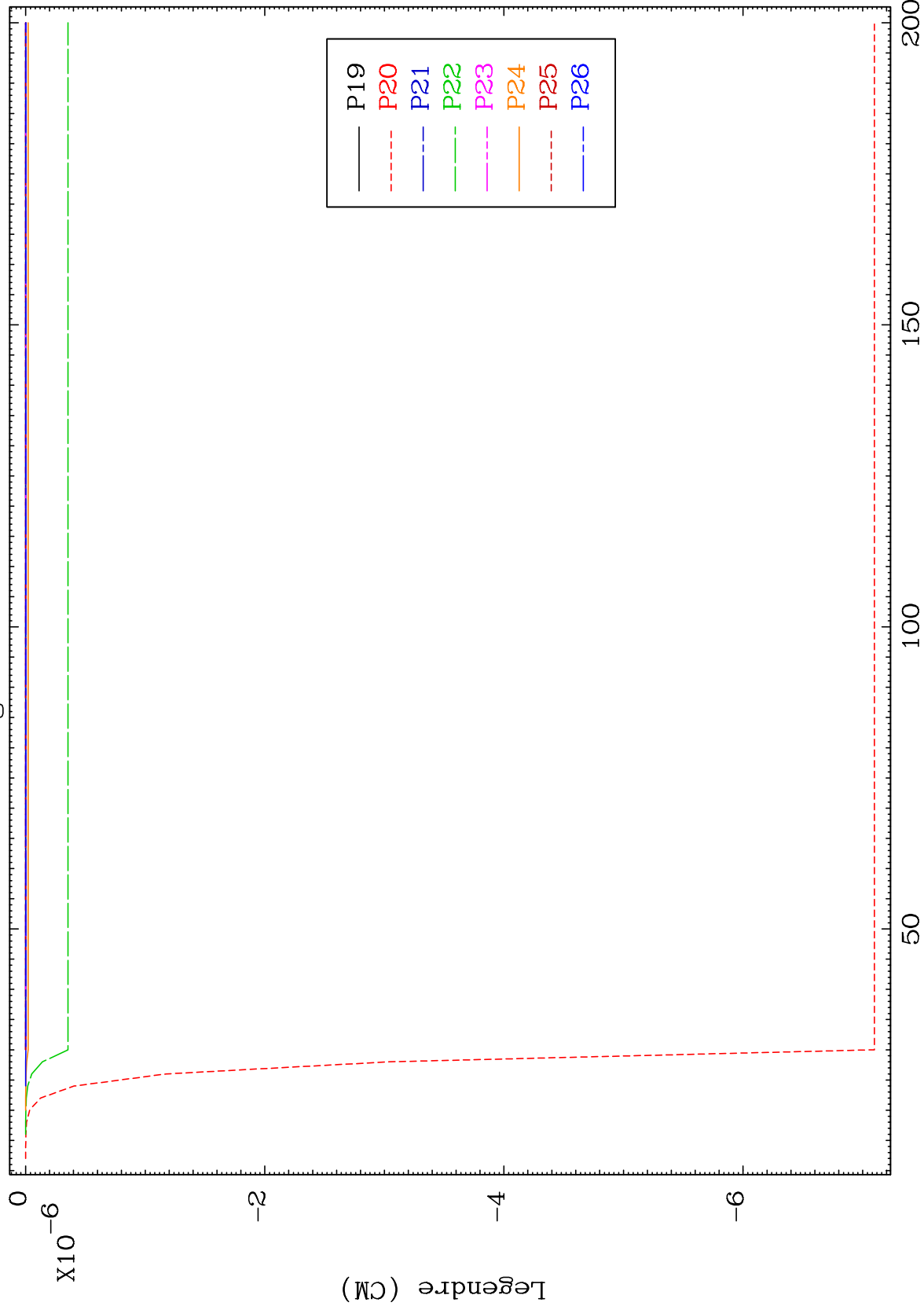




MAT 5479

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

54-Xe-142



42

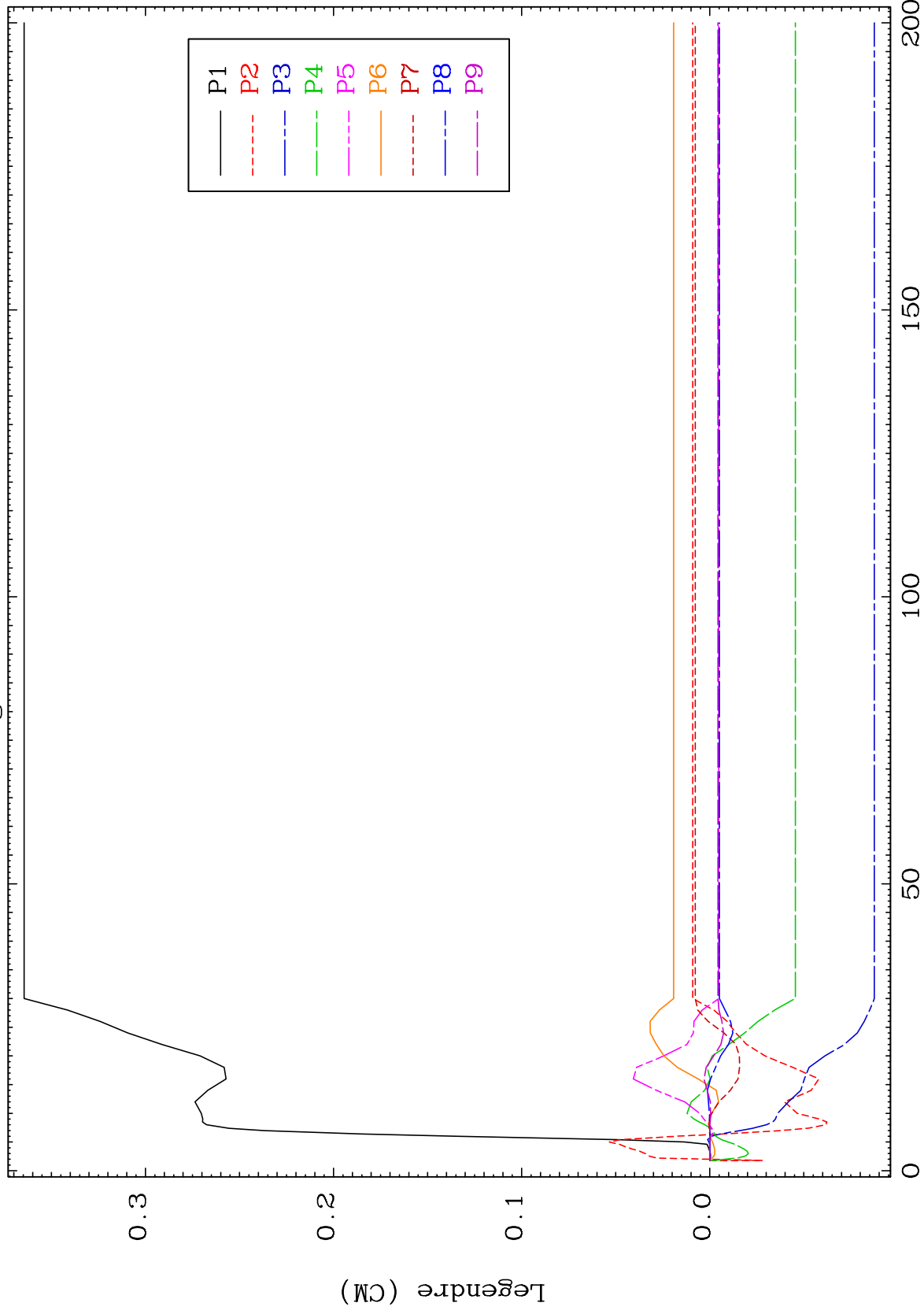
Incident Energy (MeV)

54-Xe-142

MAT 5479

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

54-Xe-142



43

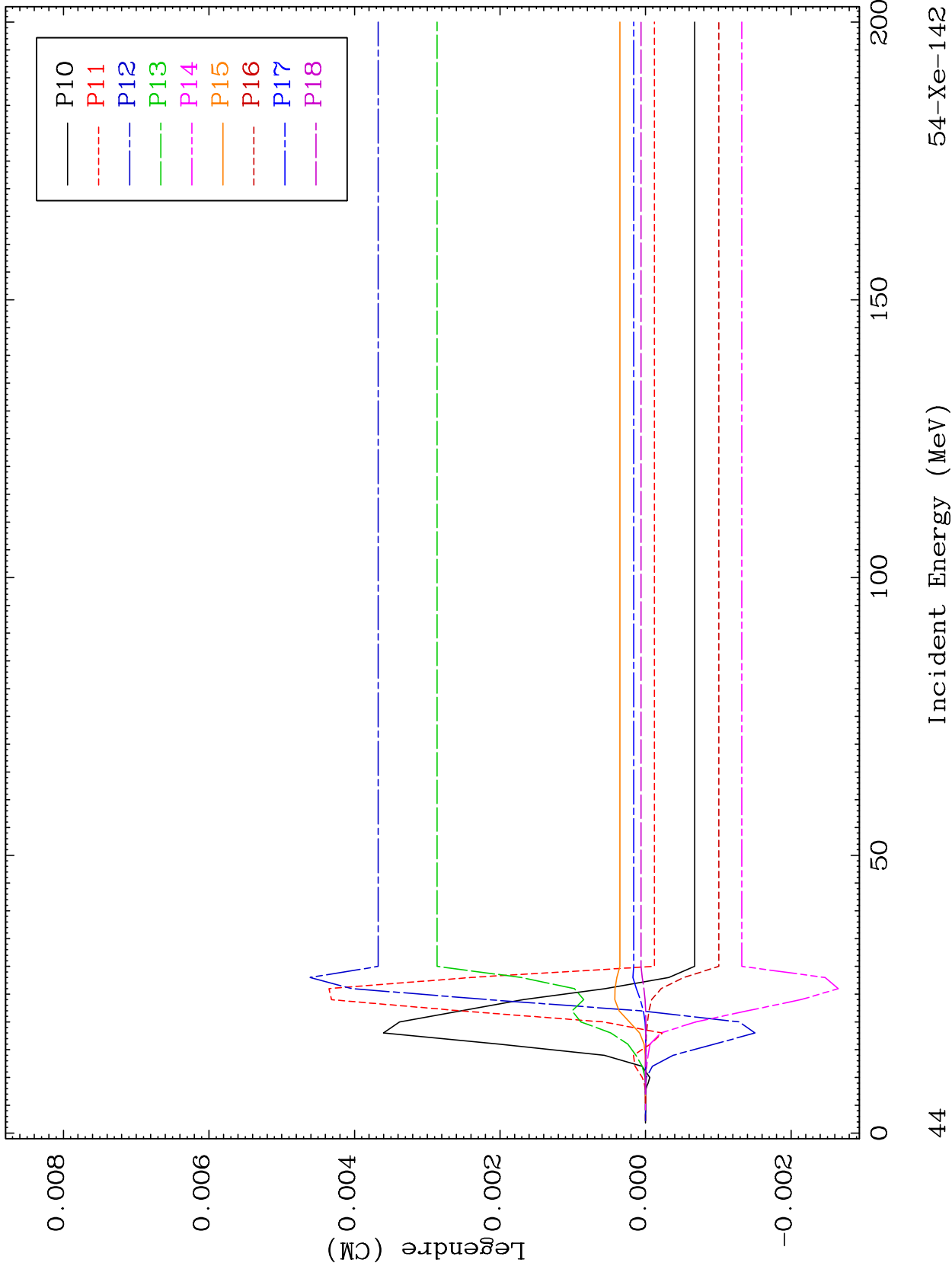
Incident Energy (MeV)

54-Xe-142

MAT 5479

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

54-Xe-142



54-Xe-142

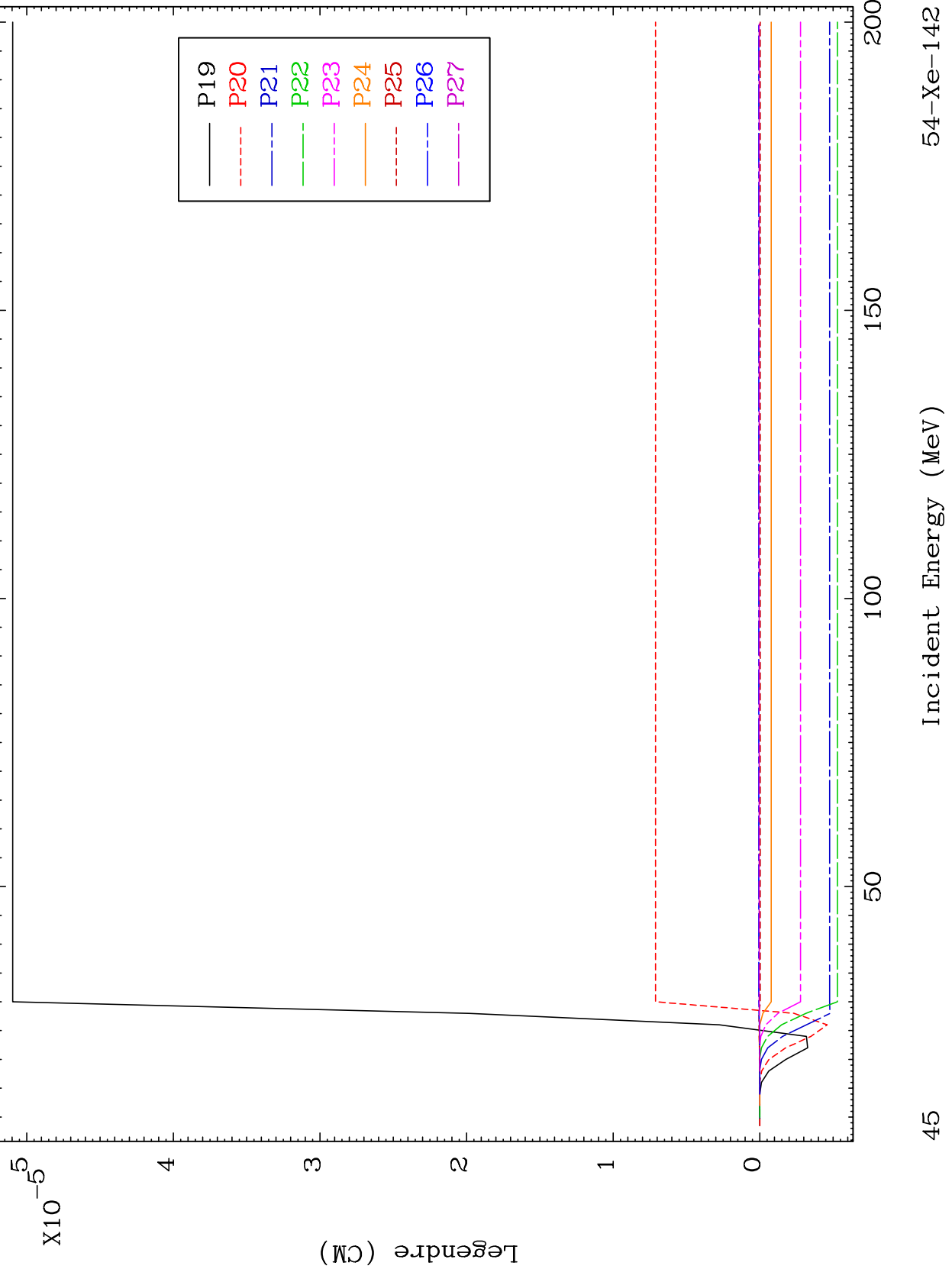
Incident Energy (MeV)

44

MAT 5479

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

54-Xe-142



54-Xe-142

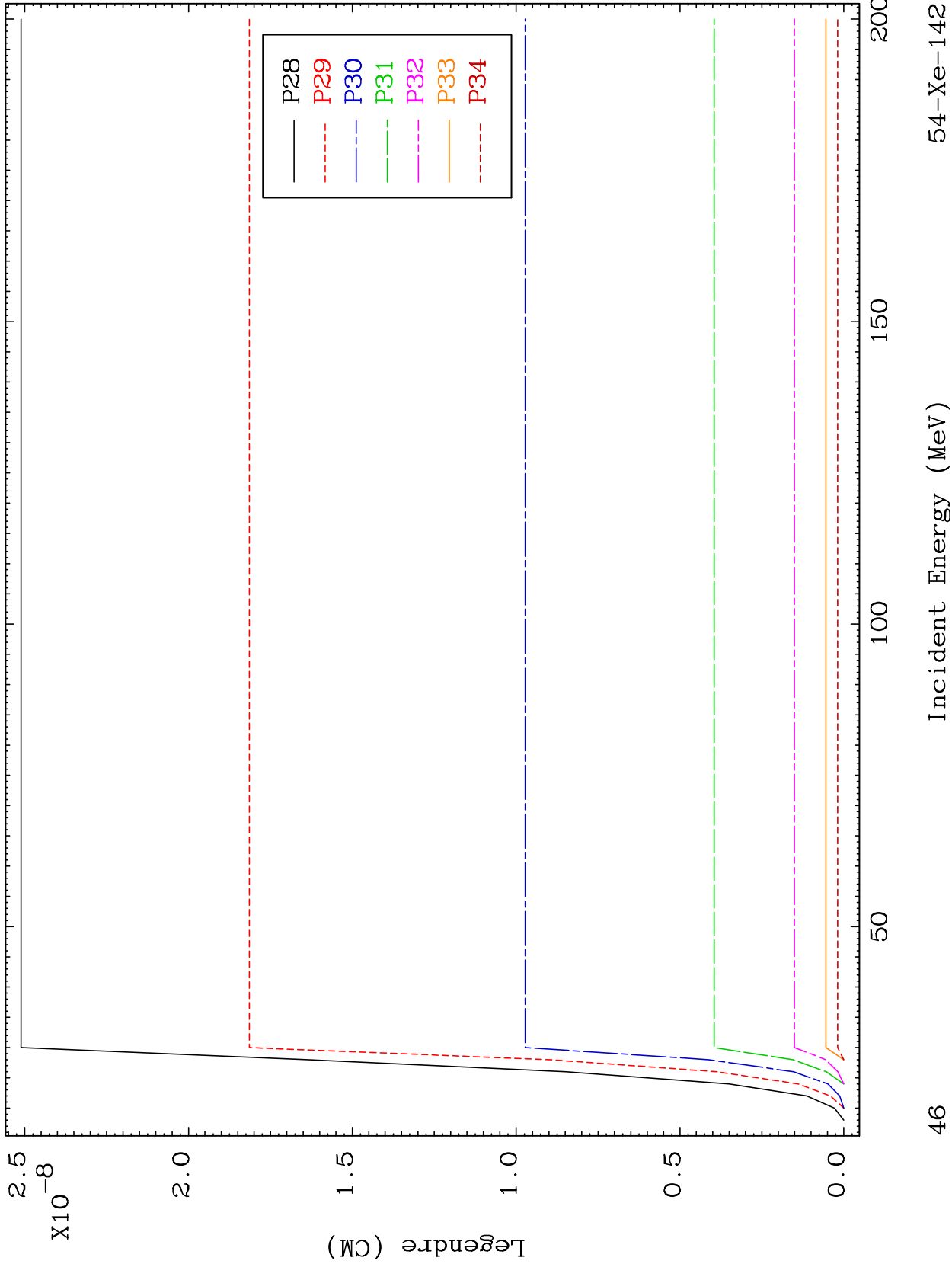
Incident Energy (MeV)

45

MAT 5479

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

54-Xe-142



46

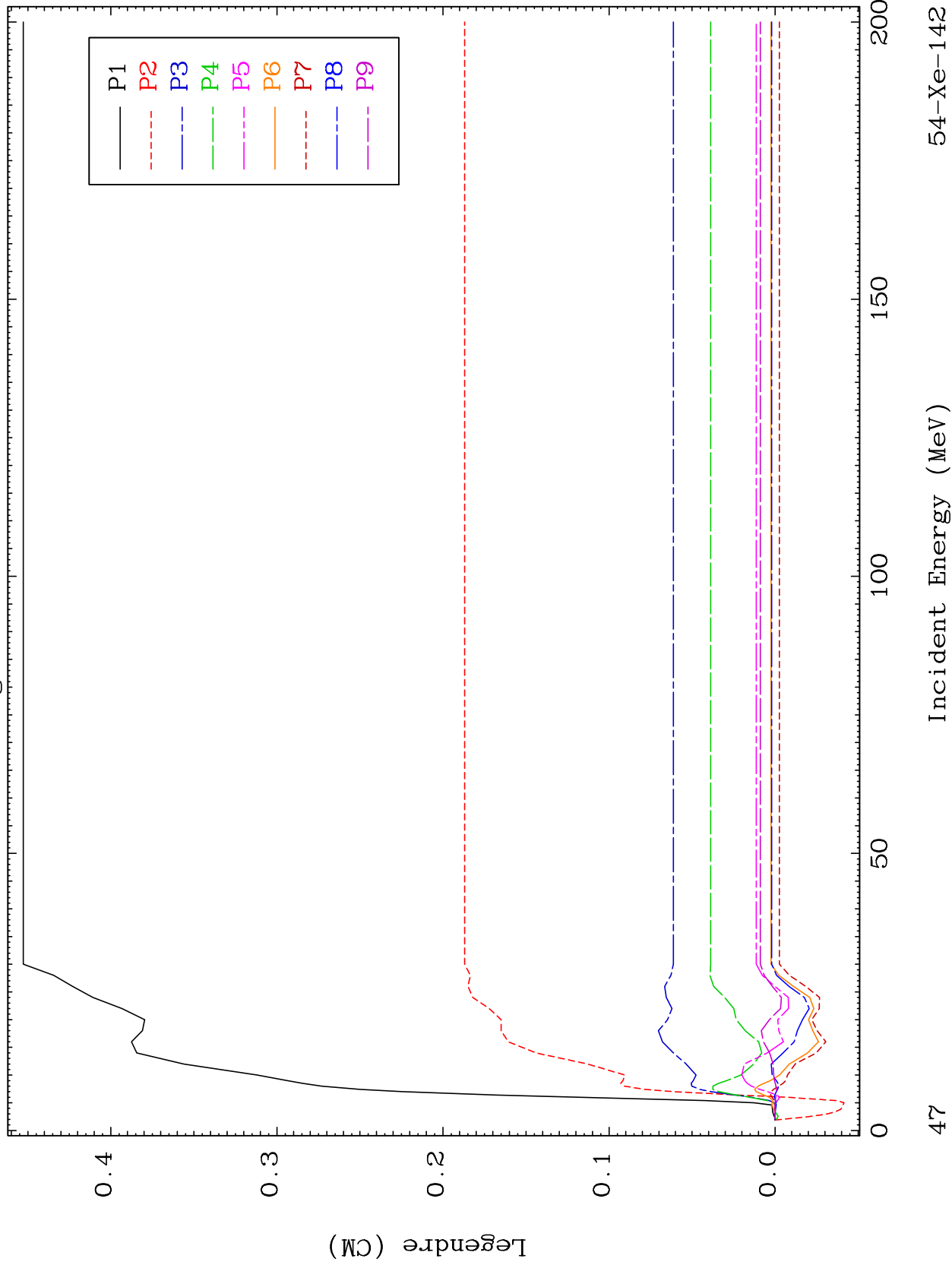
Incident Energy (MeV)

54-Xe-142

MAT 5479

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

54-Xe-142



54-Xe-142

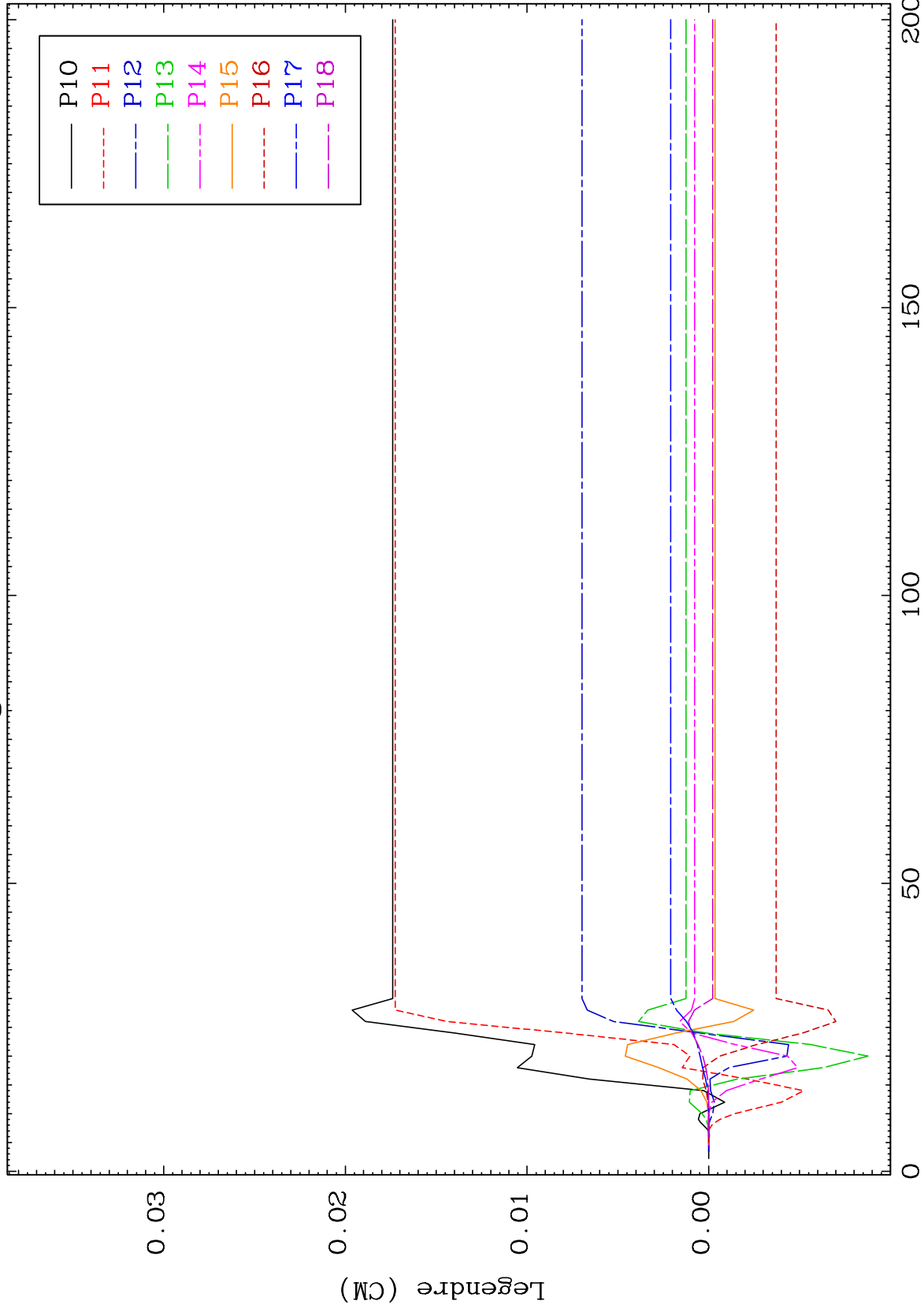
Incident Energy (MeV)

47

MAT 5479

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

54-Xe-142



48

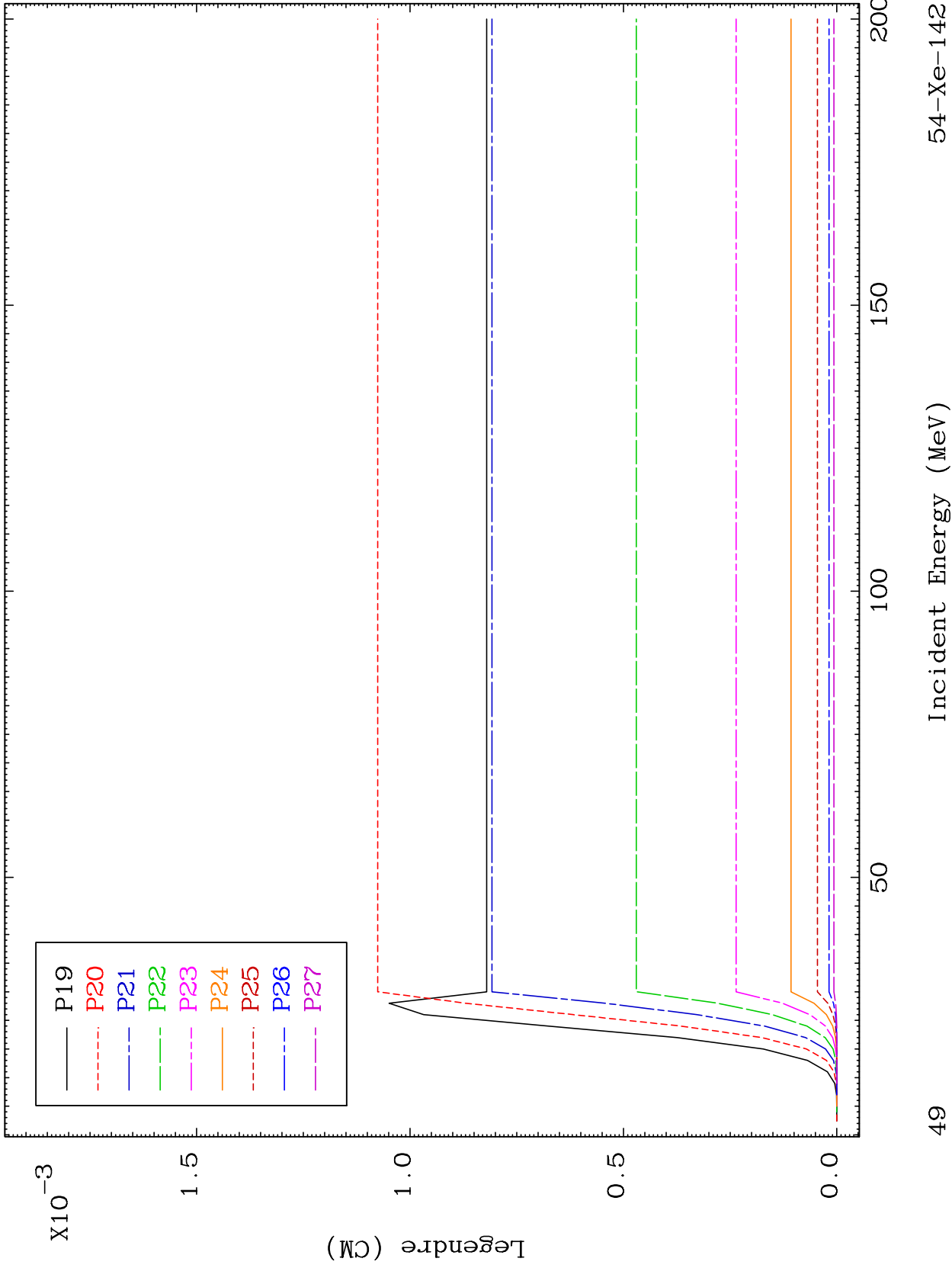
Incident Energy (MeV)

54-Xe-142

MAT 5479

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

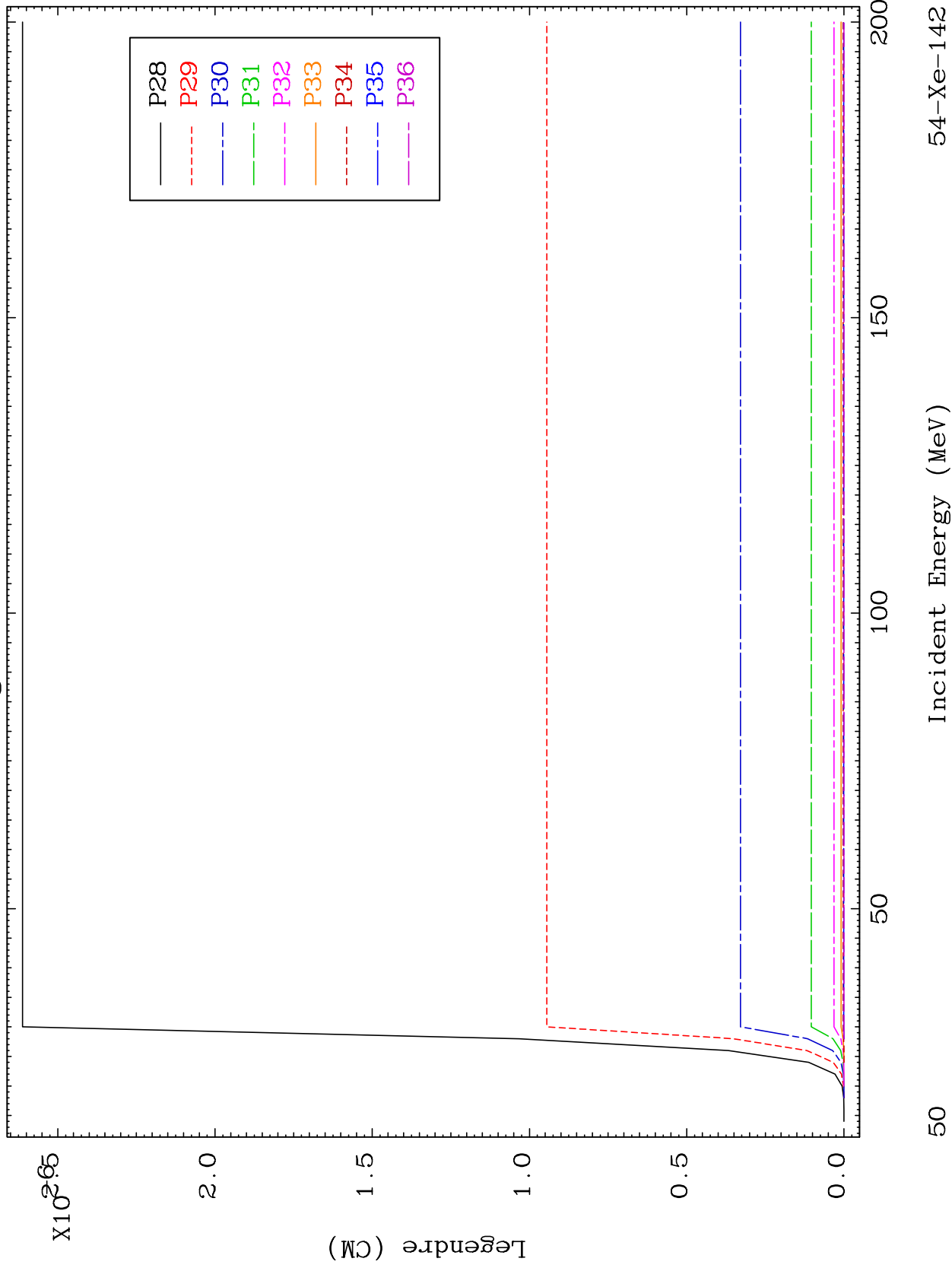
54-Xe-142



MAT 5479

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

54-Xe-142



54-Xe-142

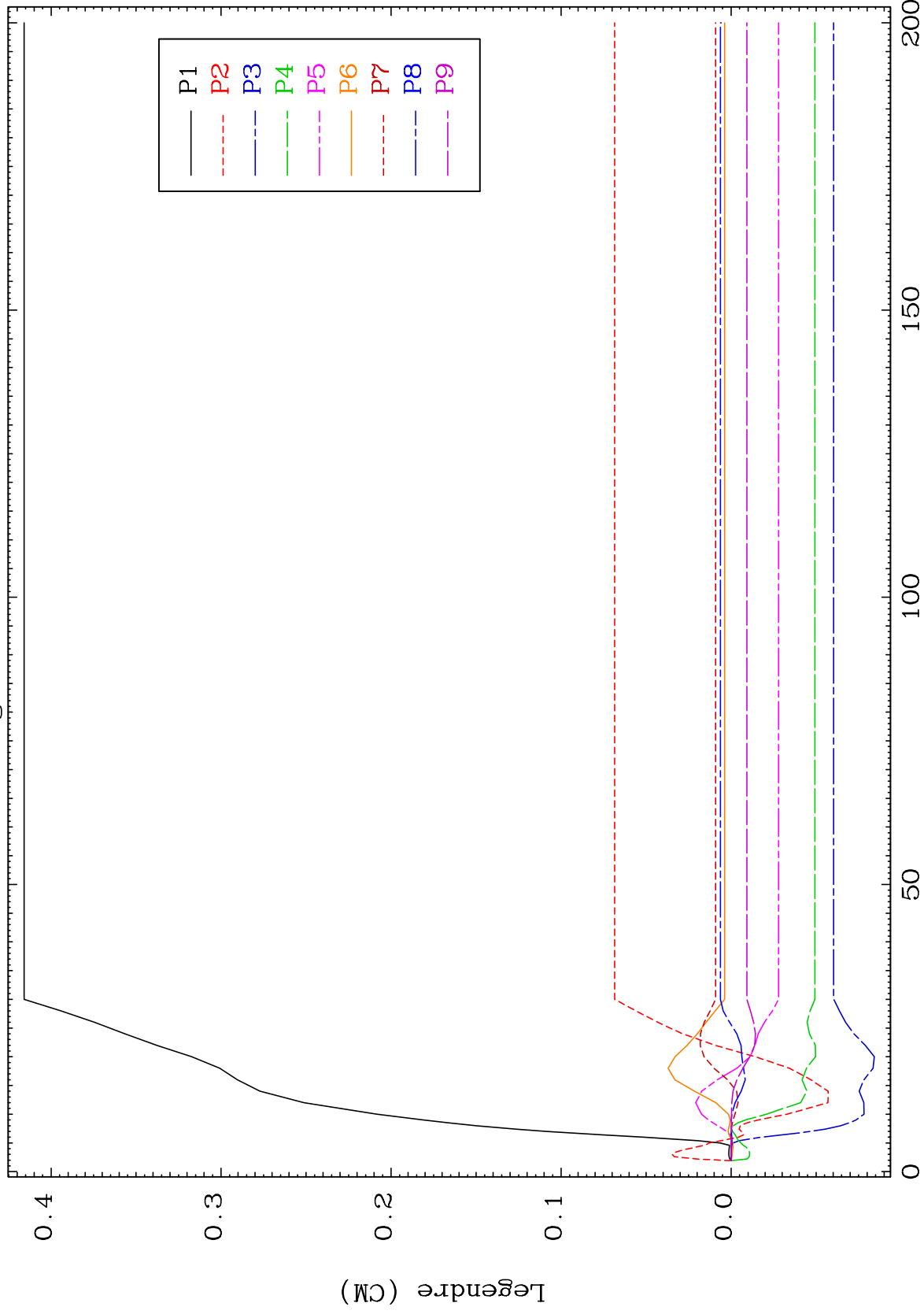
Incident Energy (MeV)

50

MAT 5479

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

54-Xe-142



51

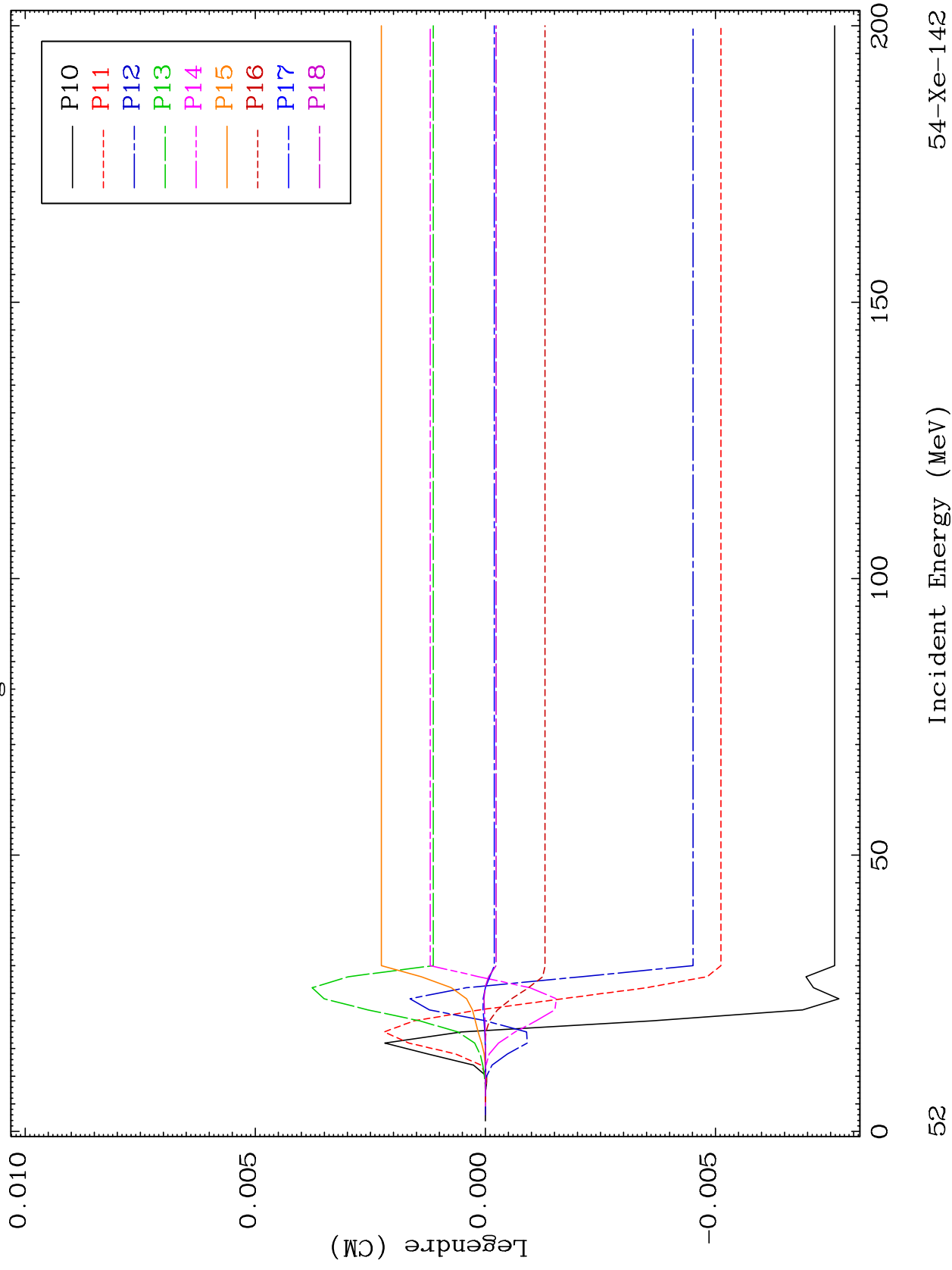
Incident Energy (MeV)

54-Xe-142

MAT 5479

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

54-Xe-142



52

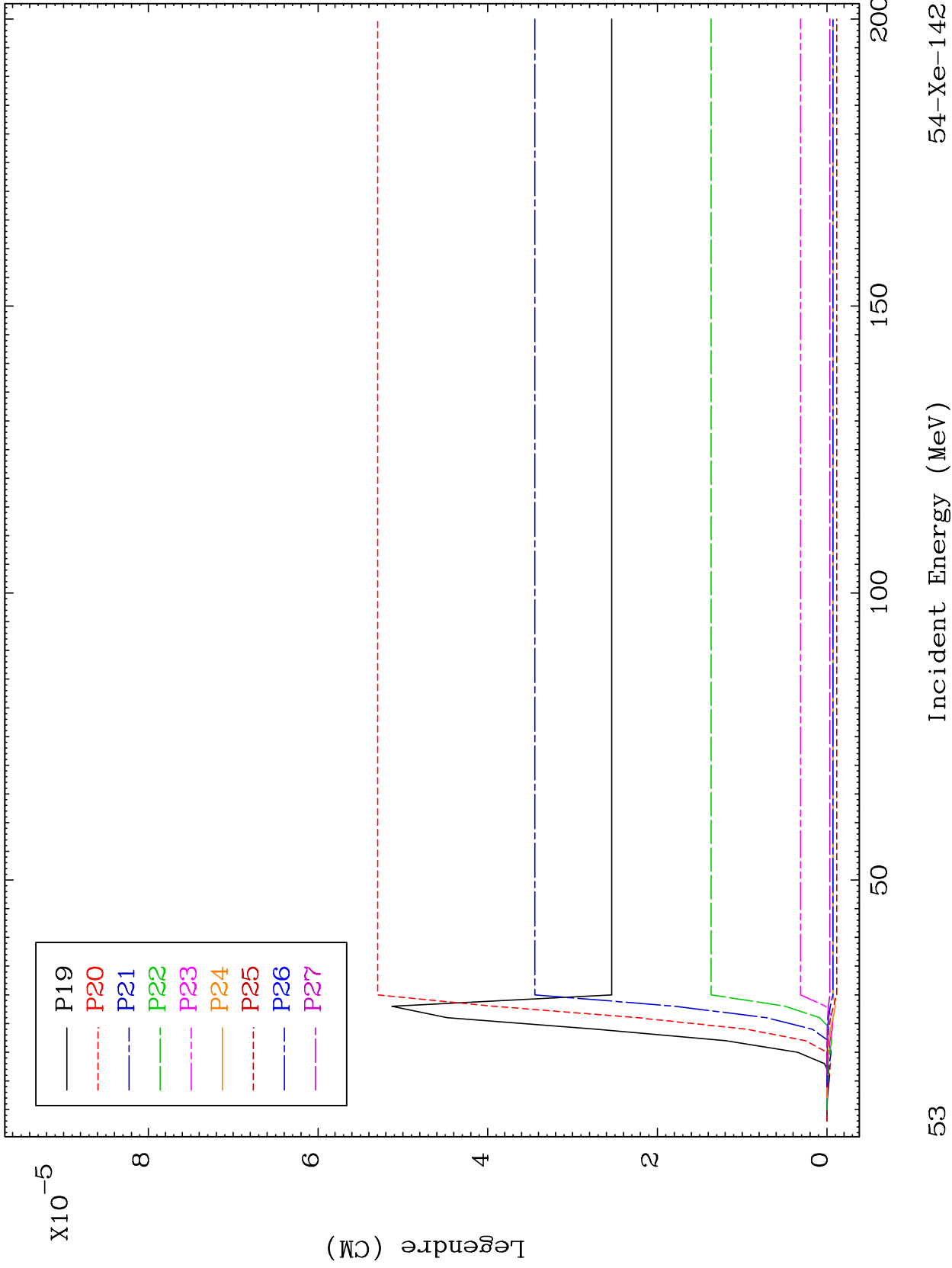
Incident Energy (MeV)

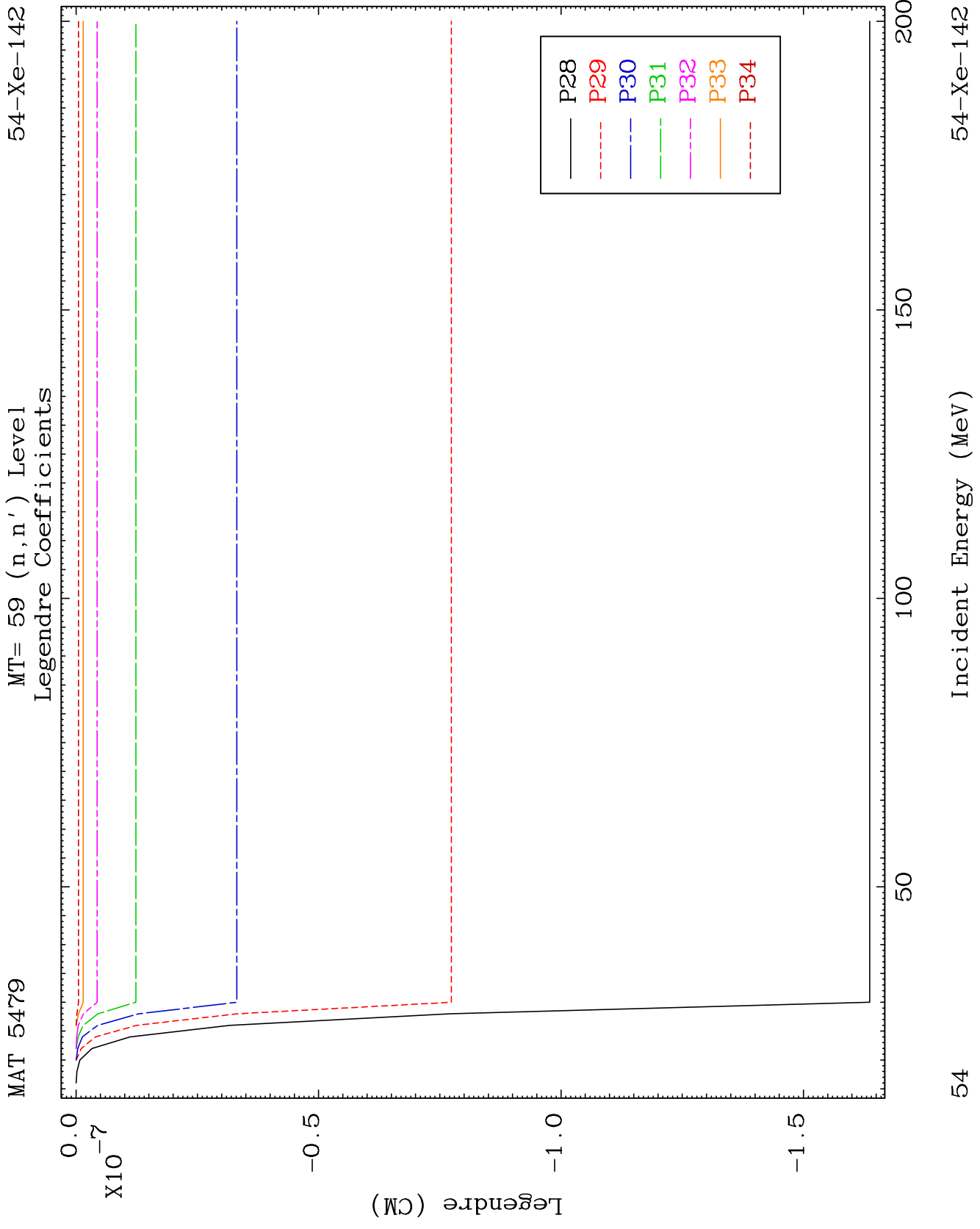
54-Xe-142

MAT 5479

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

54-Xe-142

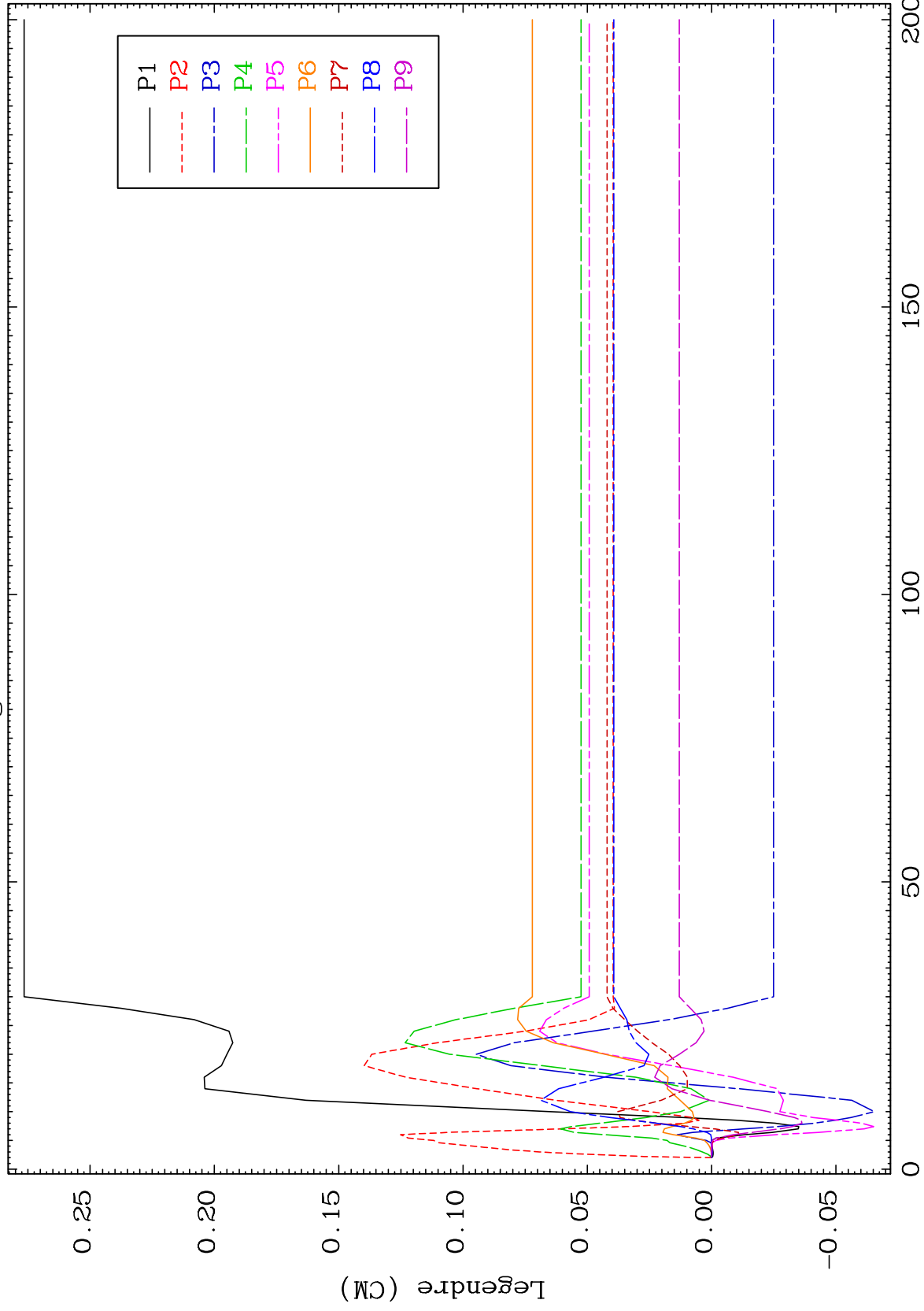




MAT 5479

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

54-Xe-142



54-Xe-142

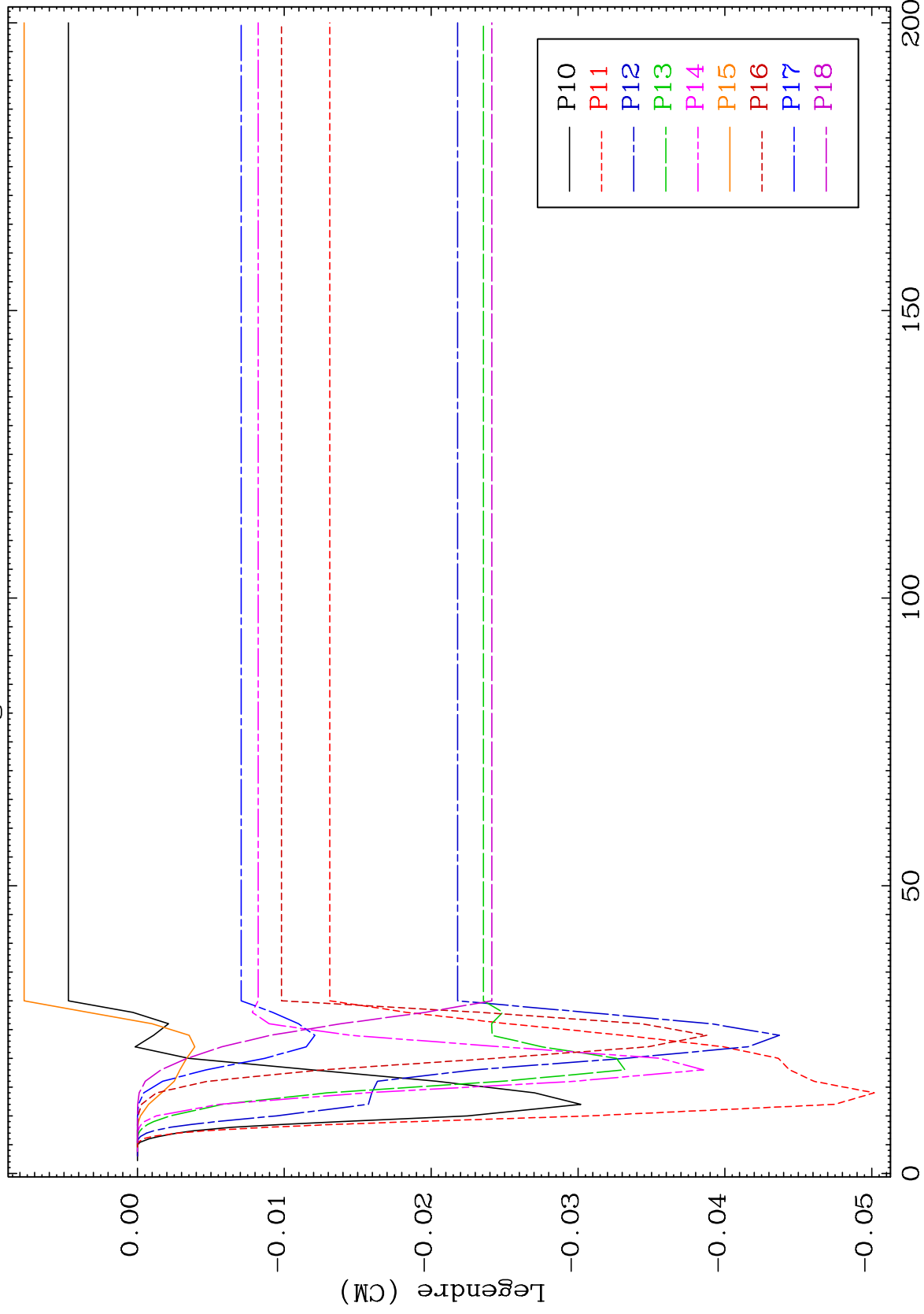
Incident Energy (MeV)

55

MAT 5479

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

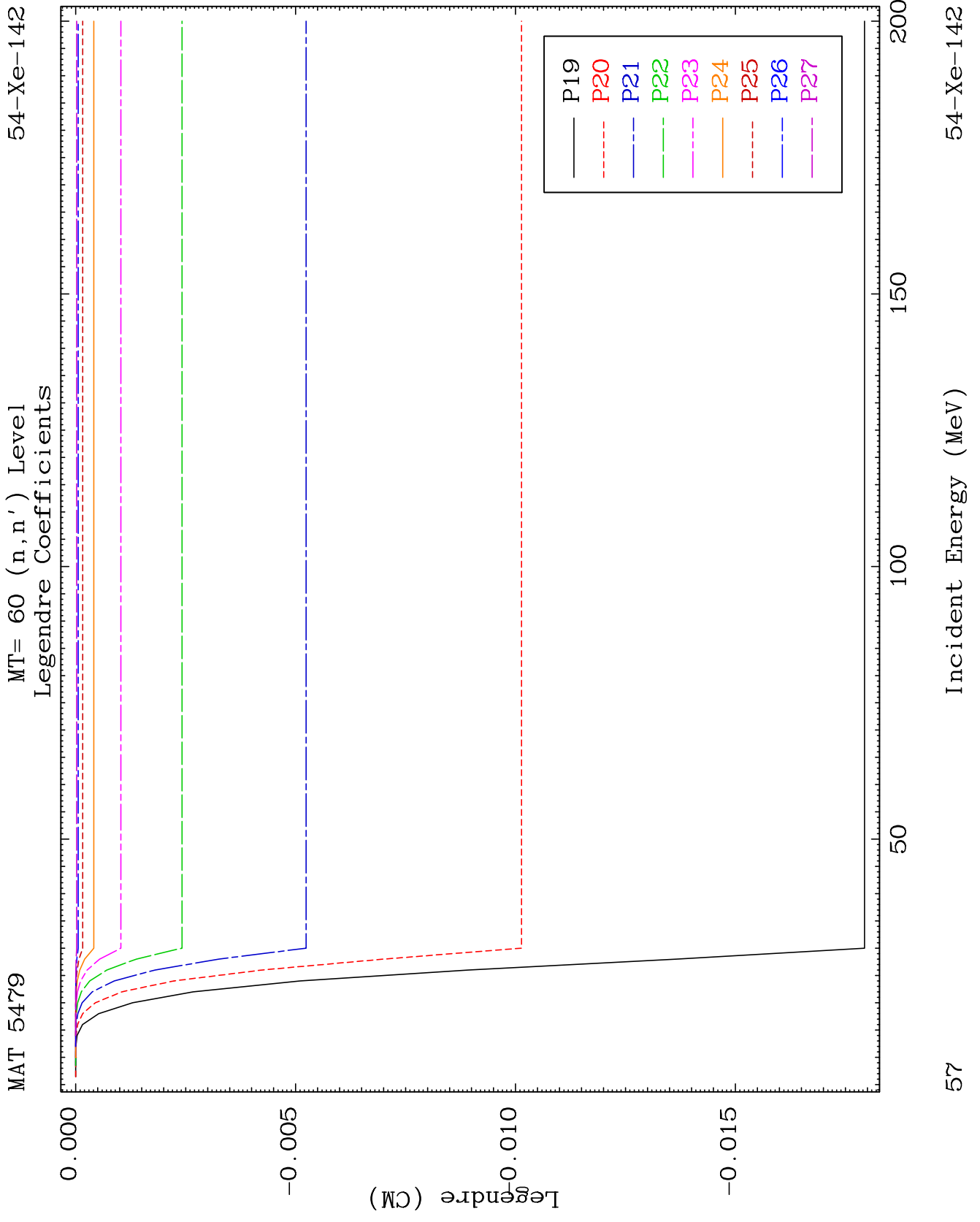
54-Xe-142

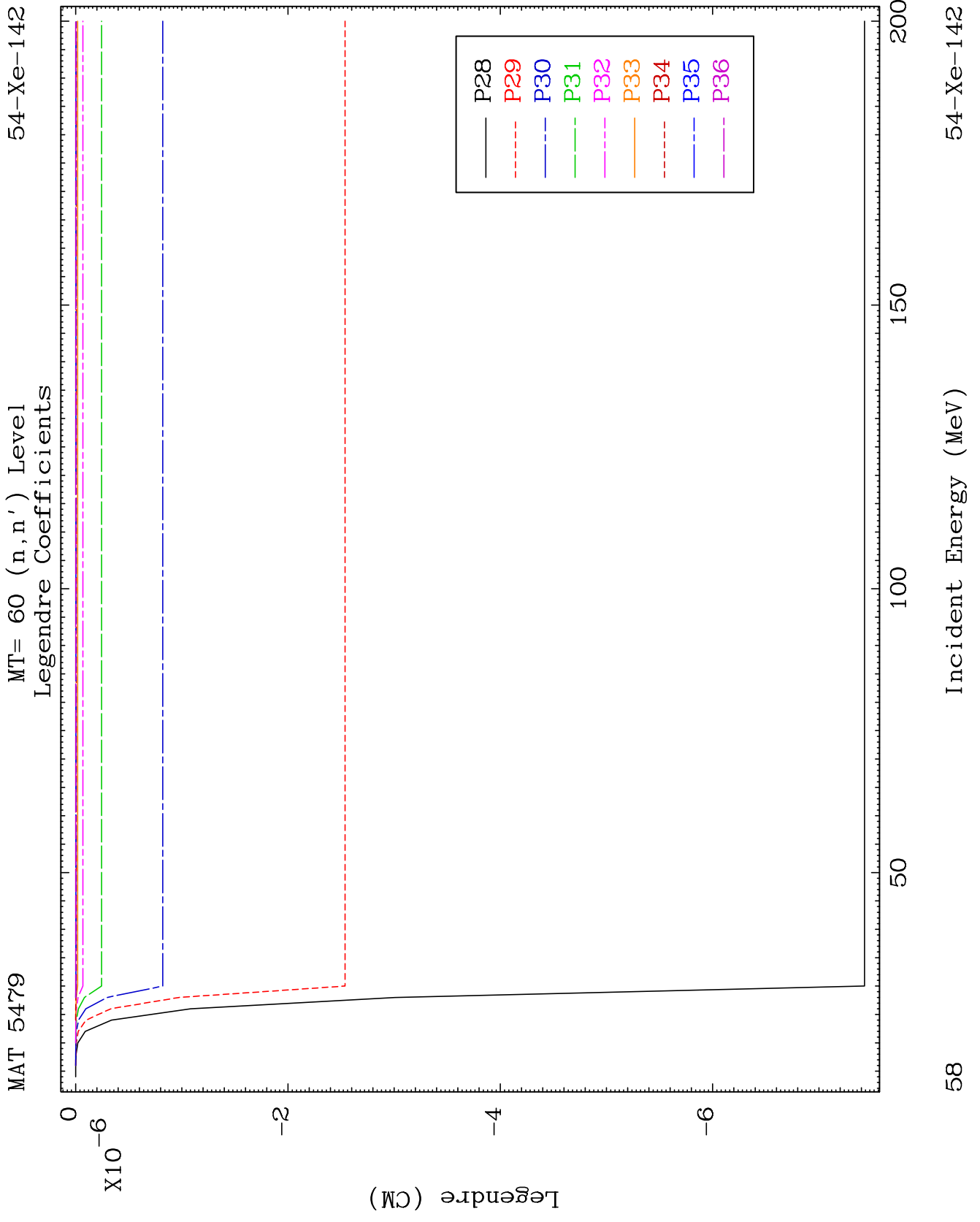


56

Incident Energy (MeV)

54-Xe-142

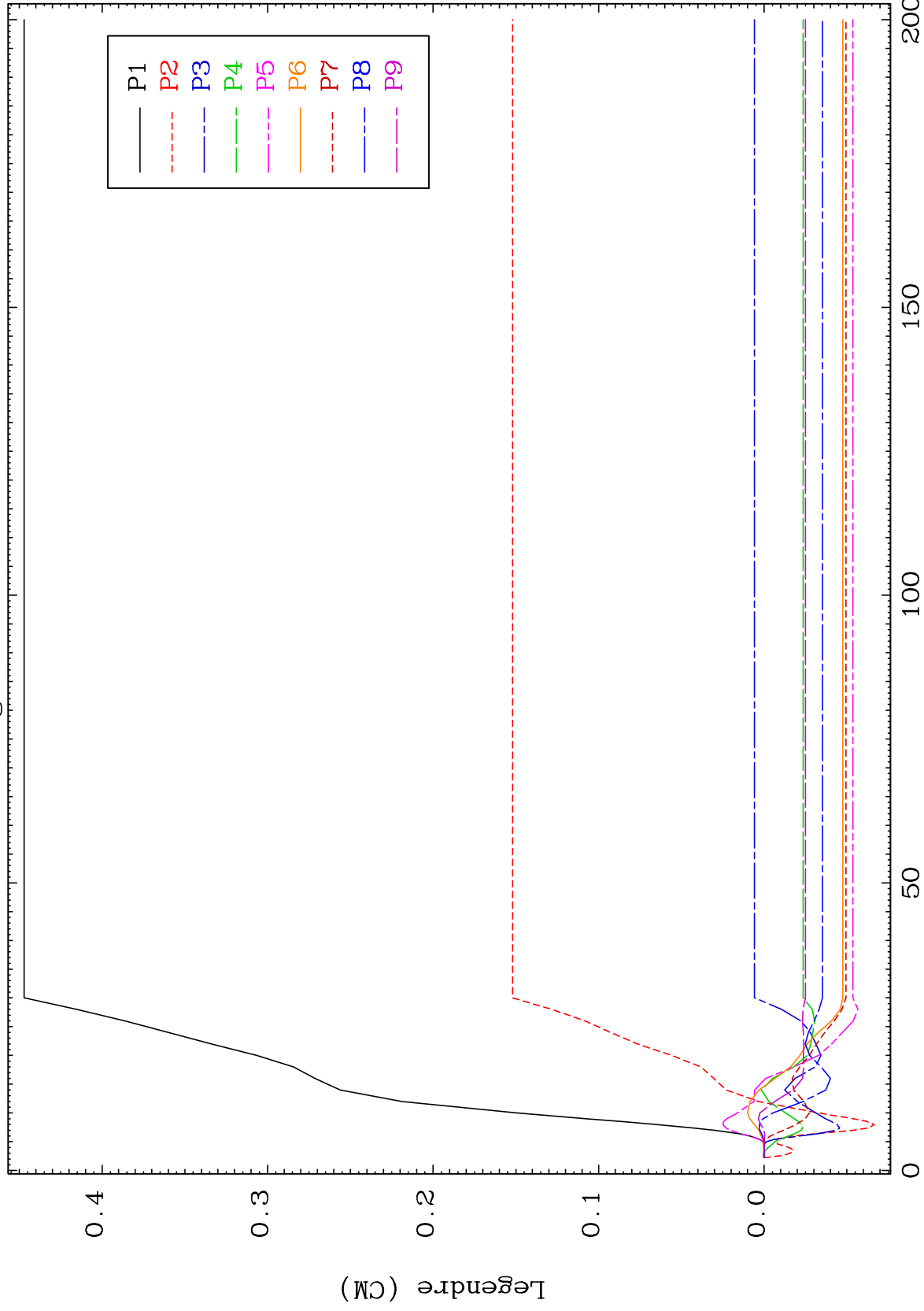




MAT 5479

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

54-Xe-142



59

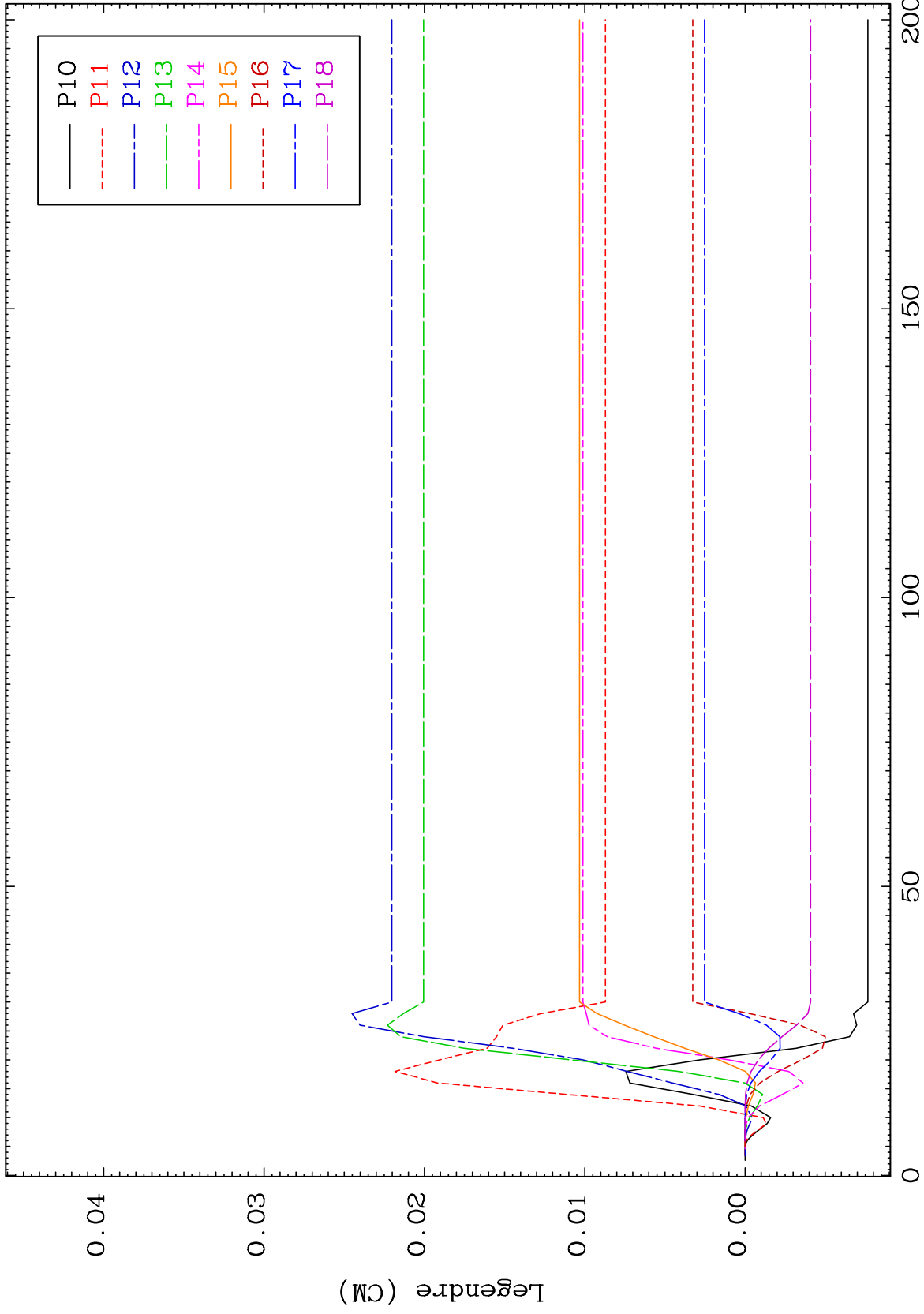
Incident Energy (MeV)

54-Xe-142

MAT 5479

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

54-Xe-142



60

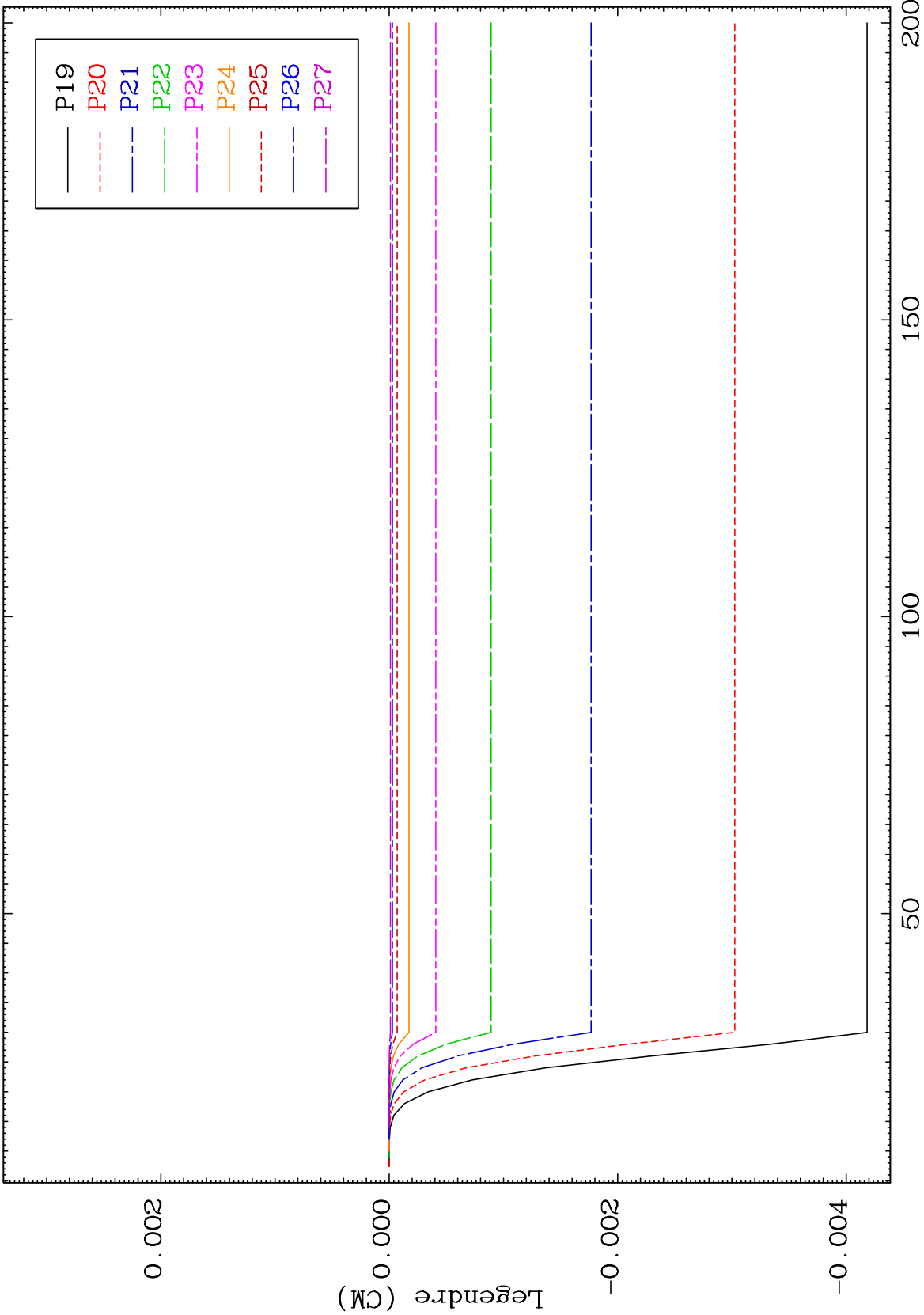
Incident Energy (MeV)

54-Xe-142

MAT 5479

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

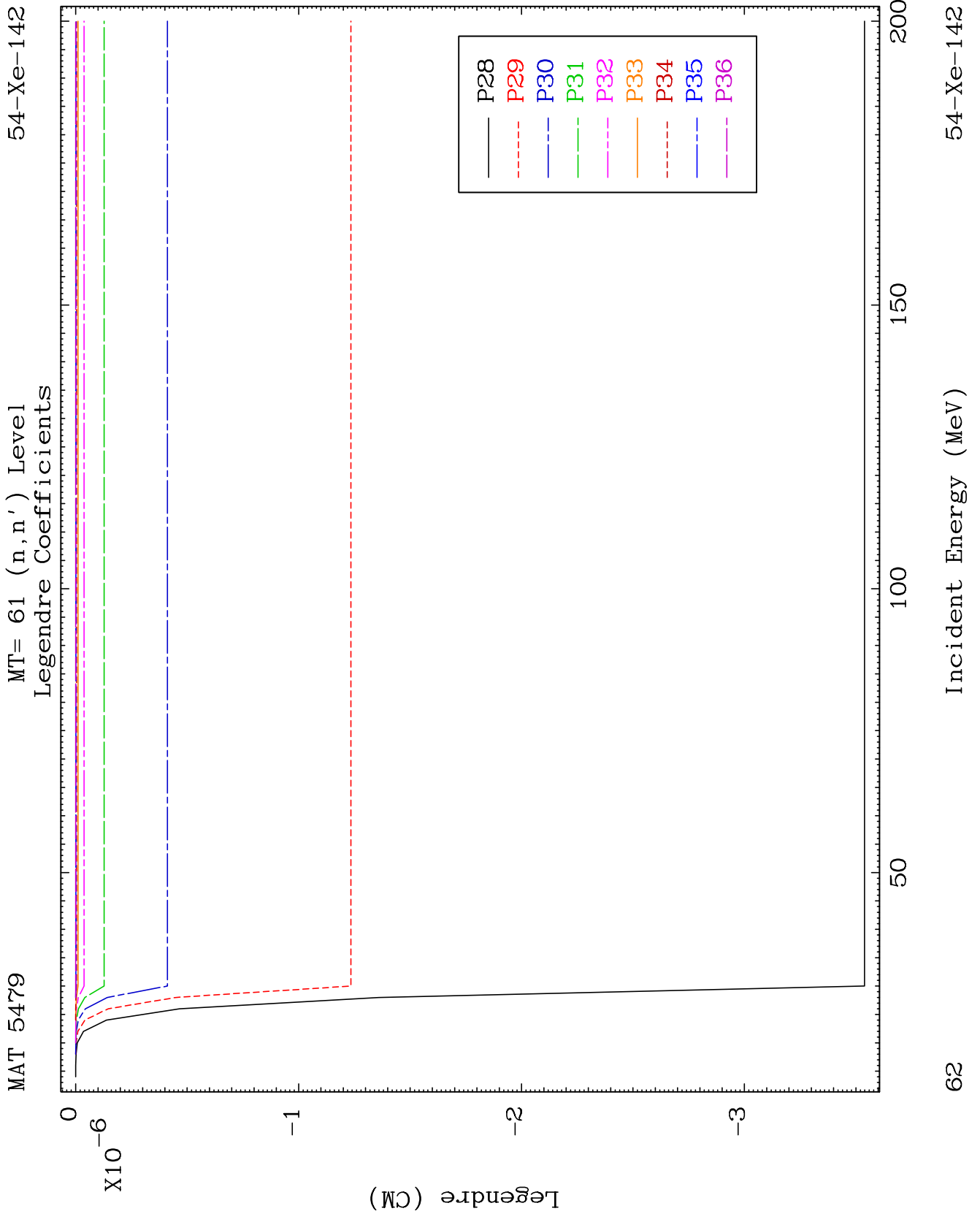
54-Xe-142



61

Incident Energy (MeV)

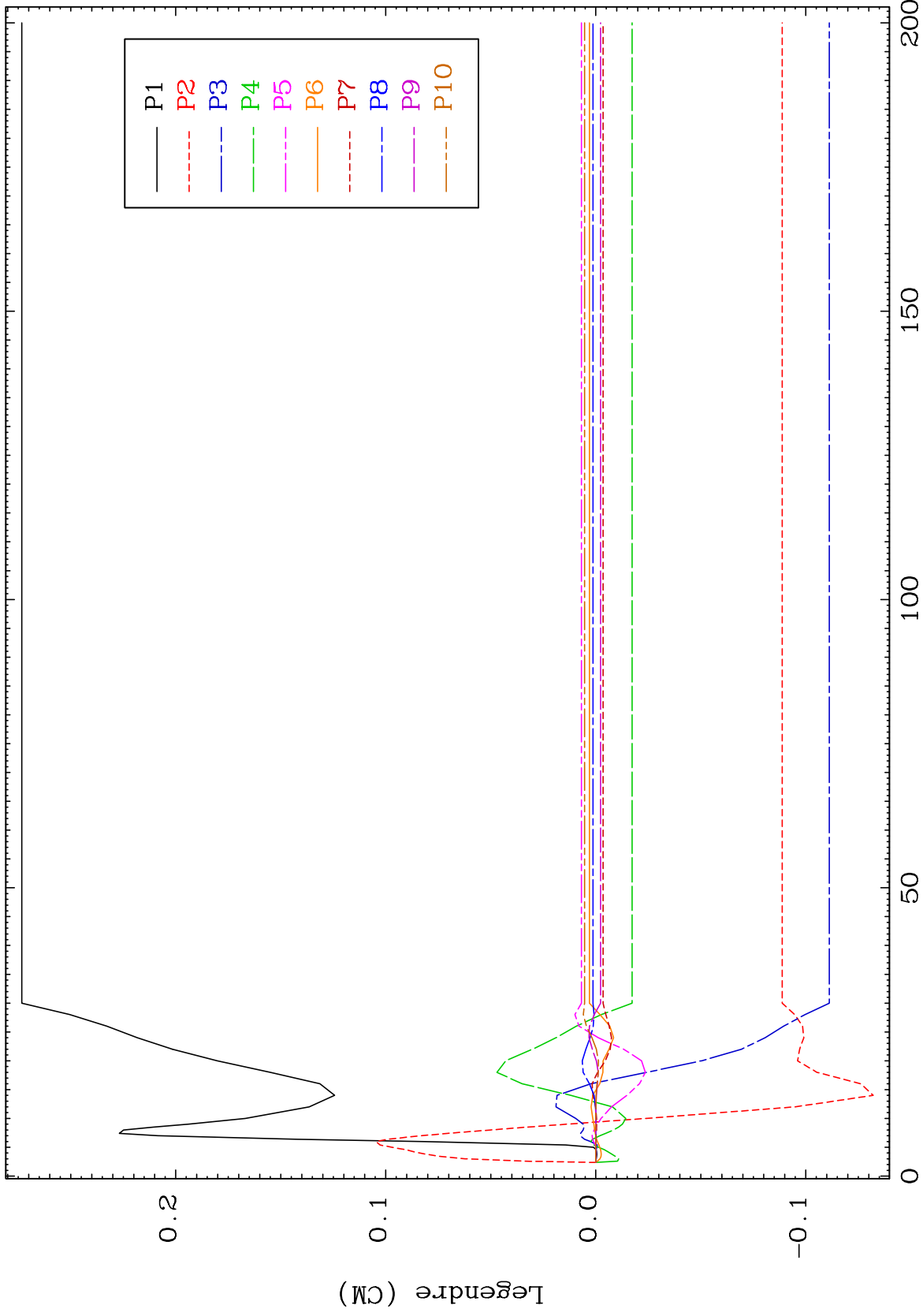
54-Xe-142



MAT 5479

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

54-Xe-142



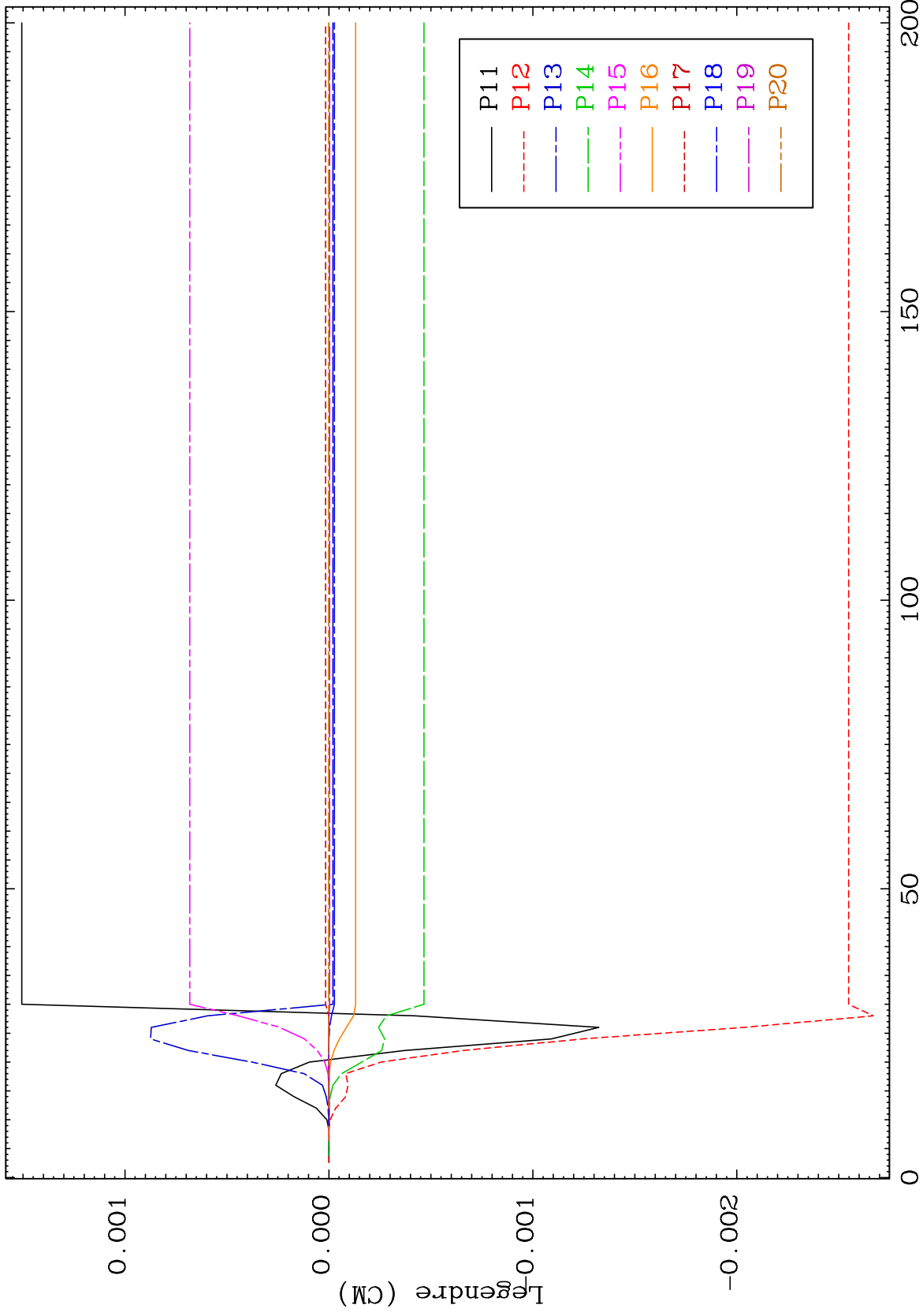
63

54-Xe-142

MAT 5479

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

54-Xe-142



64

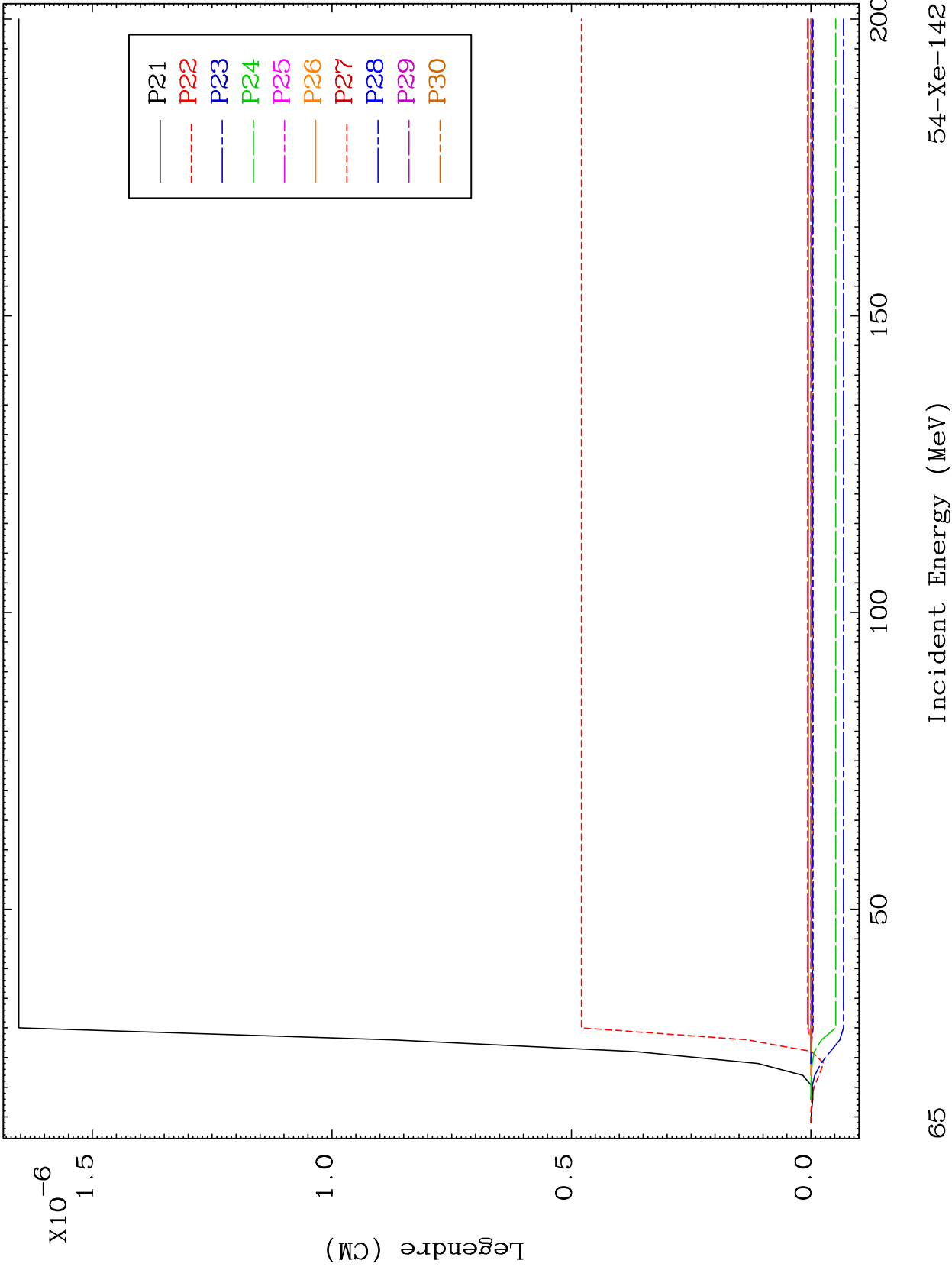
Incident Energy (MeV)

54-Xe-142

MAT 5479

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

54-Xe-142



65

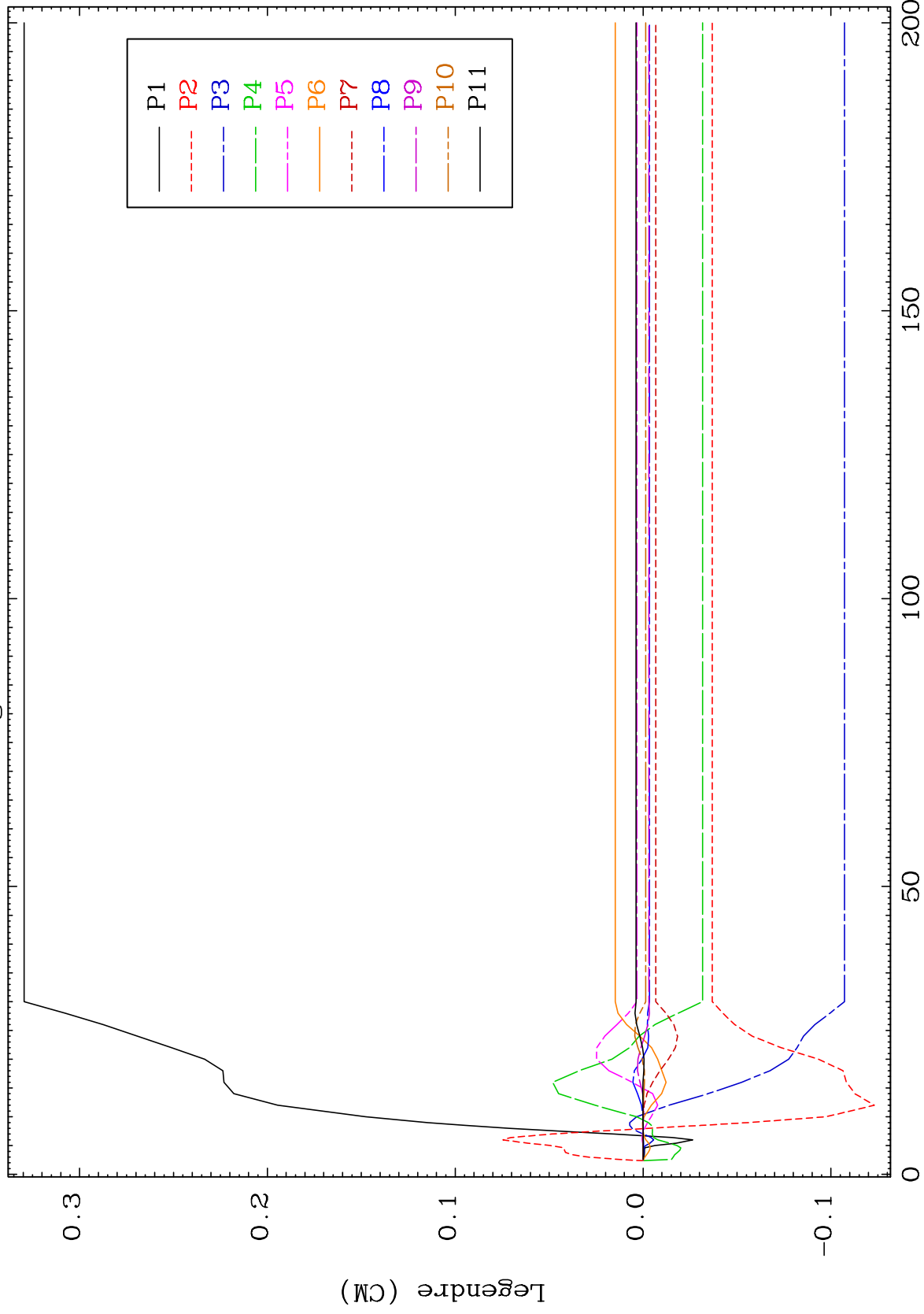
Incident Energy (MeV)

54-Xe-142

MAT 5479

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

54-Xe-142



66

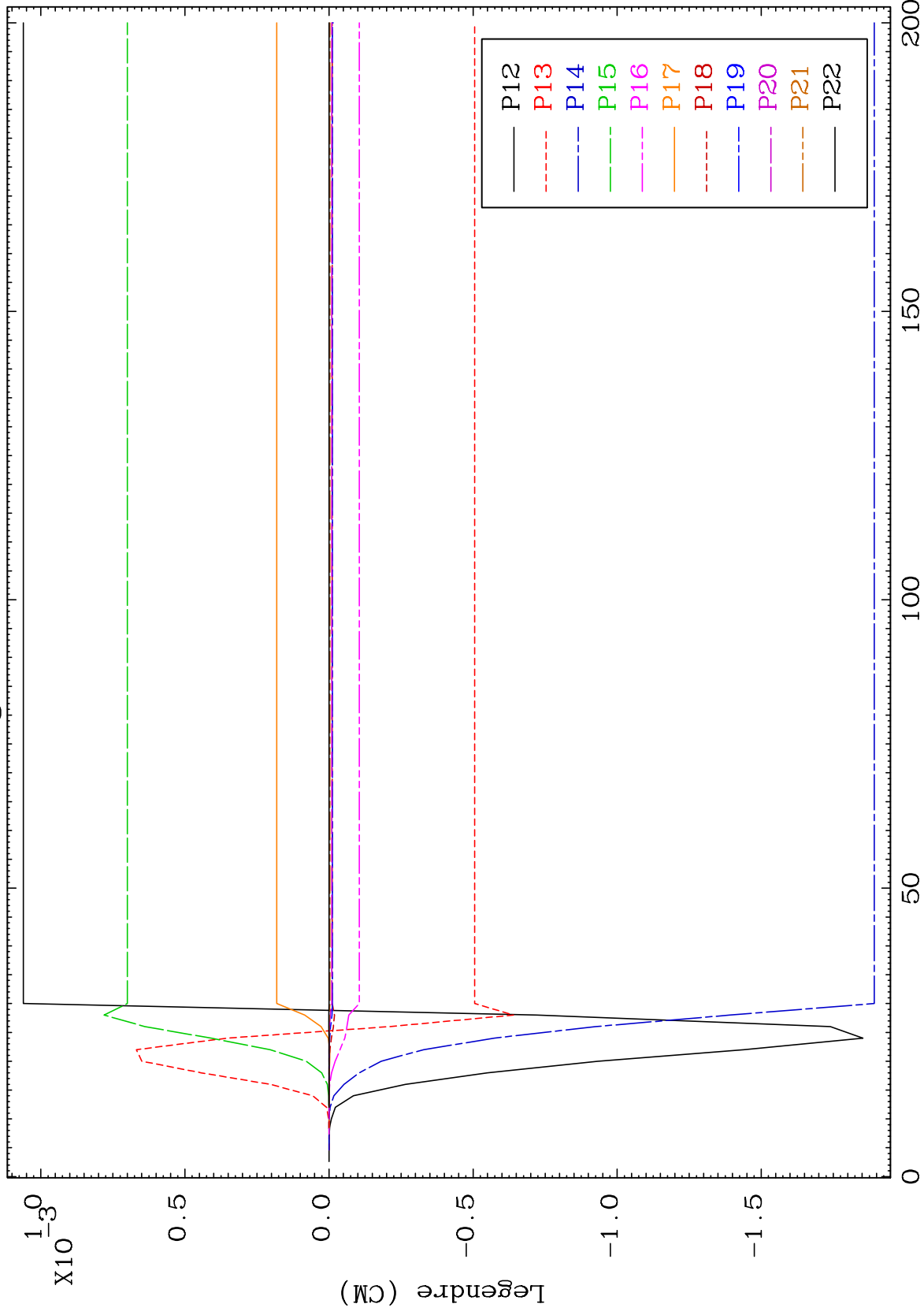
Incident Energy (MeV)

54-Xe-142

MAT 5479

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

54-Xe-142



67

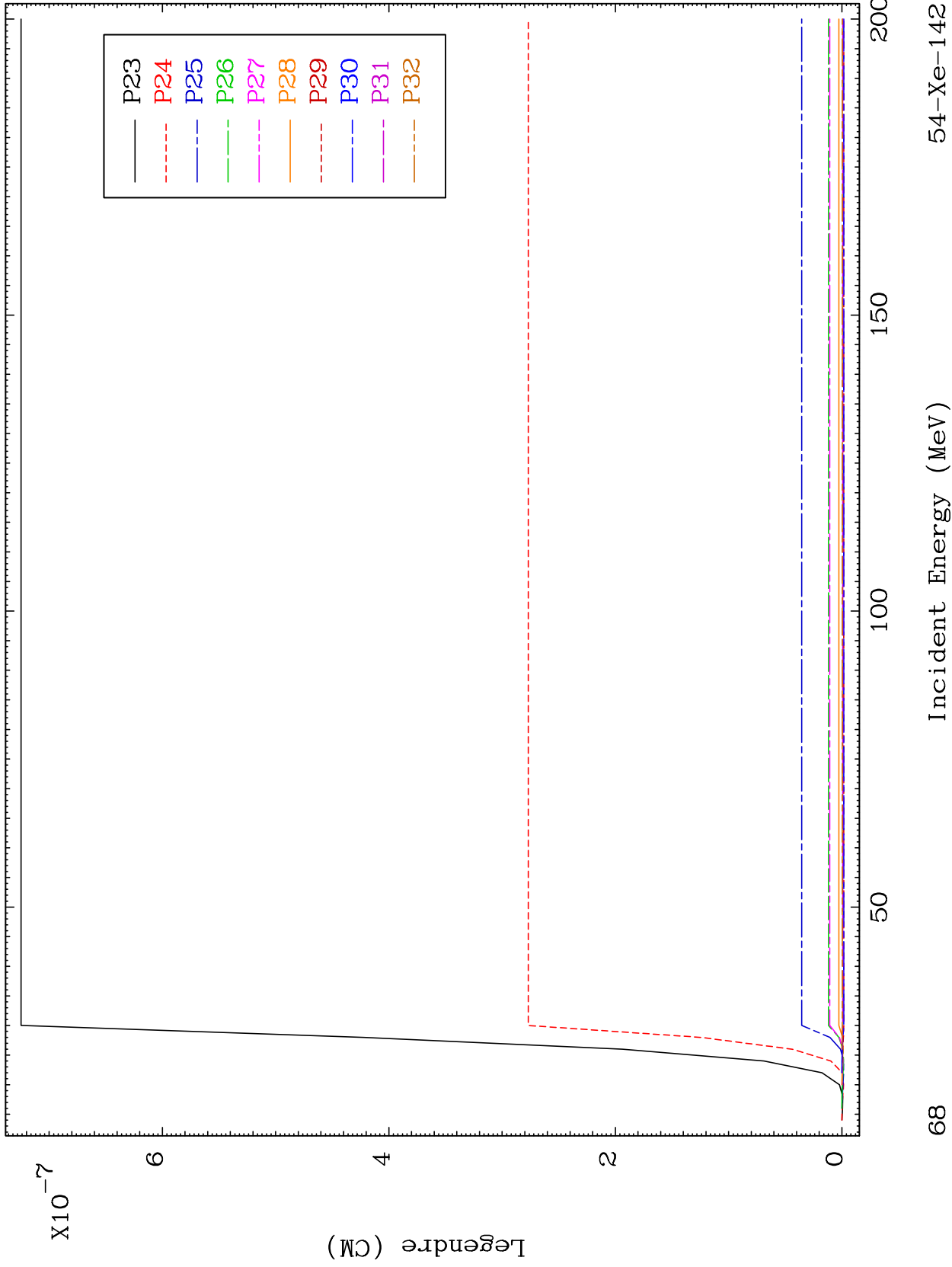
Incident Energy (MeV)

54-Xe-142

MAT 5479

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

54-Xe-142



68

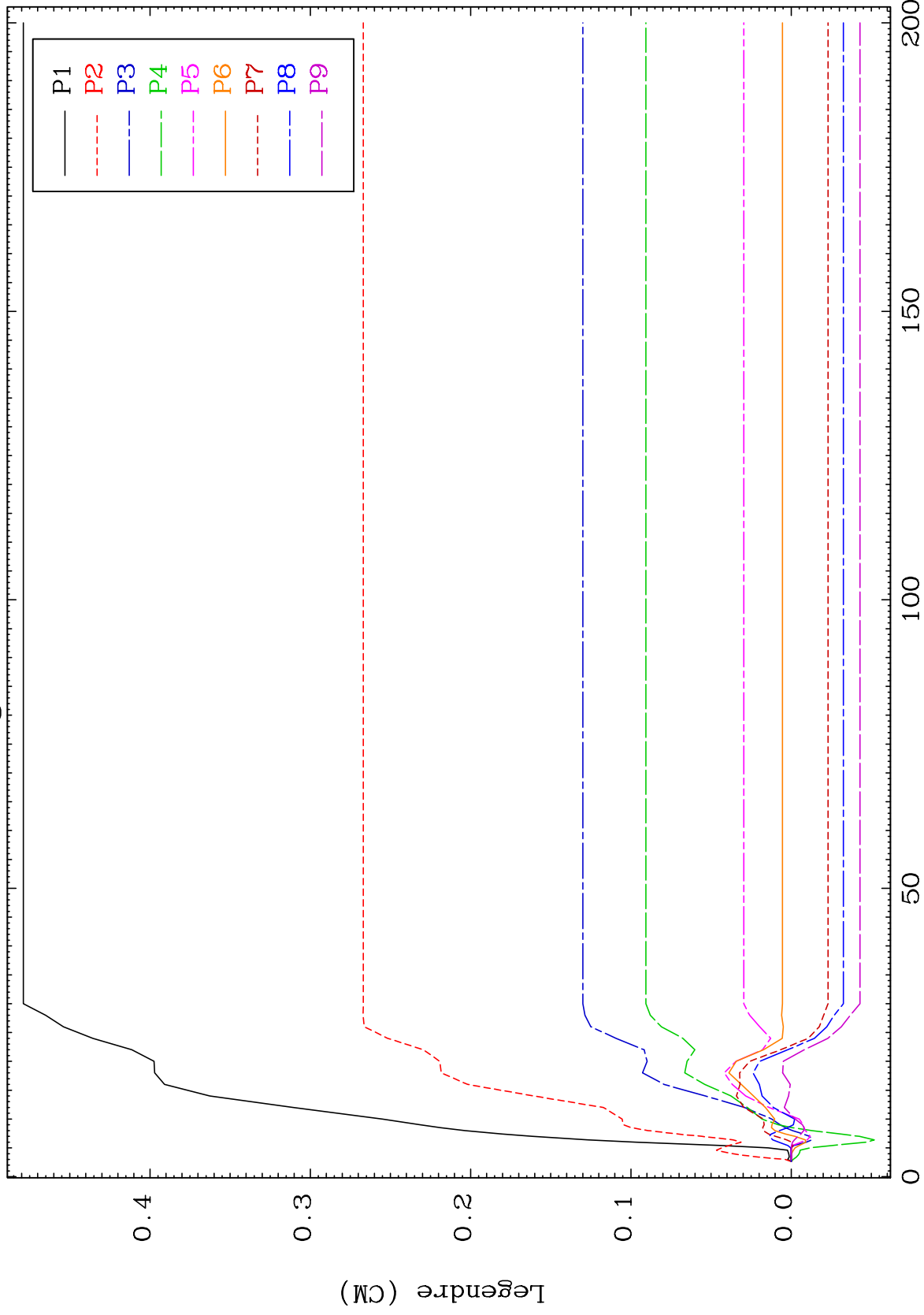
Incident Energy (MeV)

54-Xe-142

MAT 5479

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

54-Xe-142



69

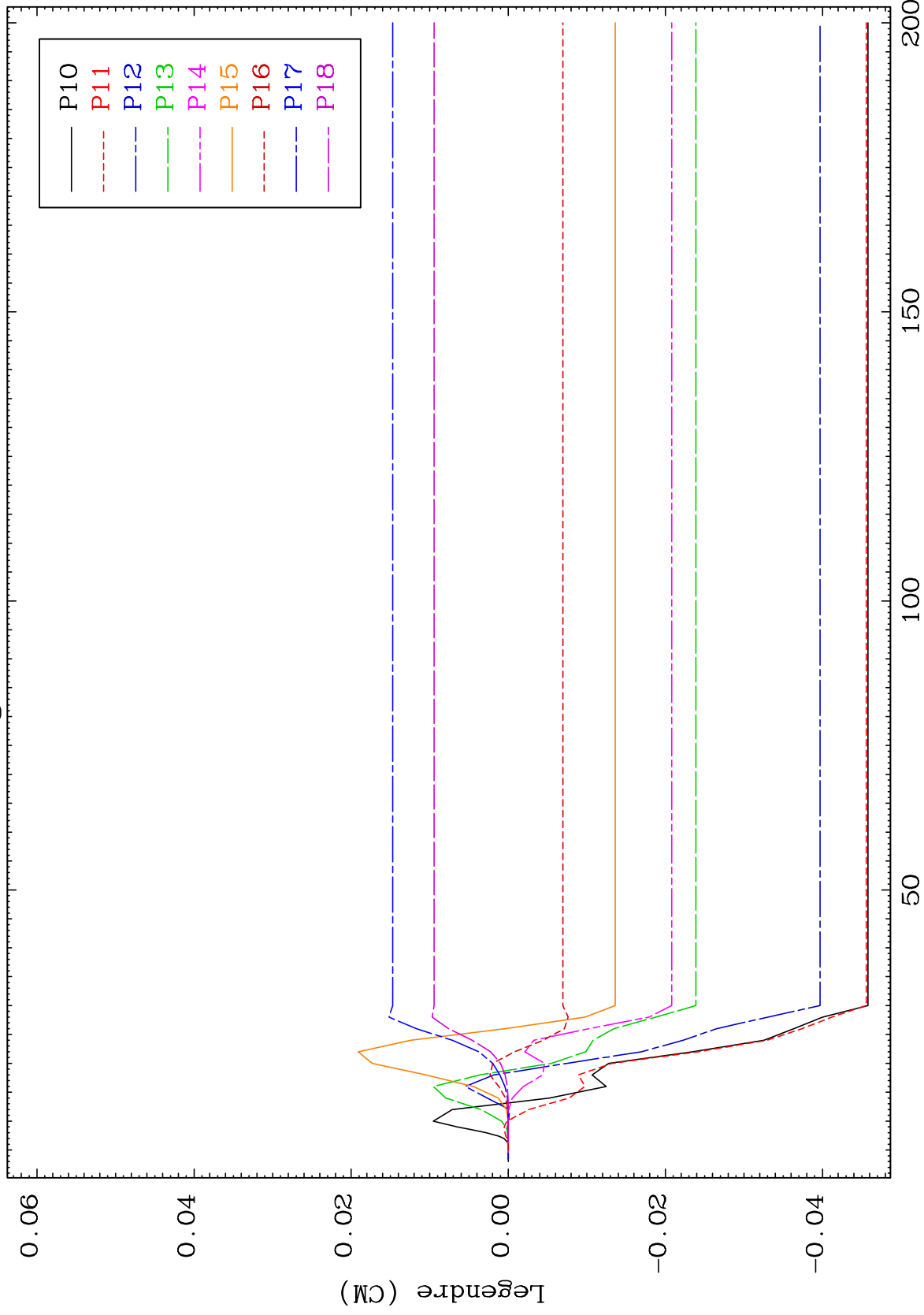
Incident Energy (MeV)

54-Xe-142

MAT 5479

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

54-Xe-142



70

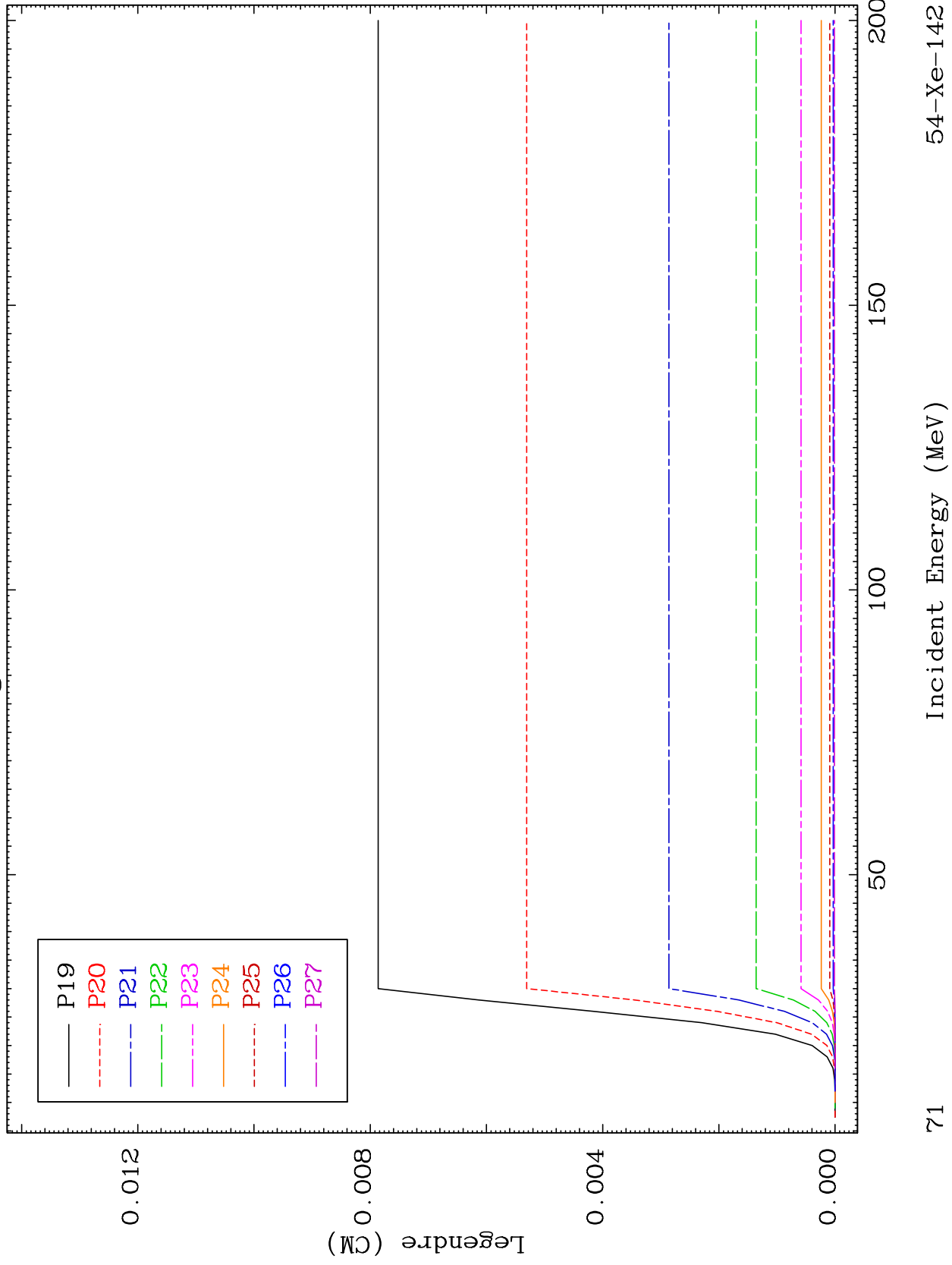
Incident Energy (MeV)

54-Xe-142

MAT 5479

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

54-Xe-142



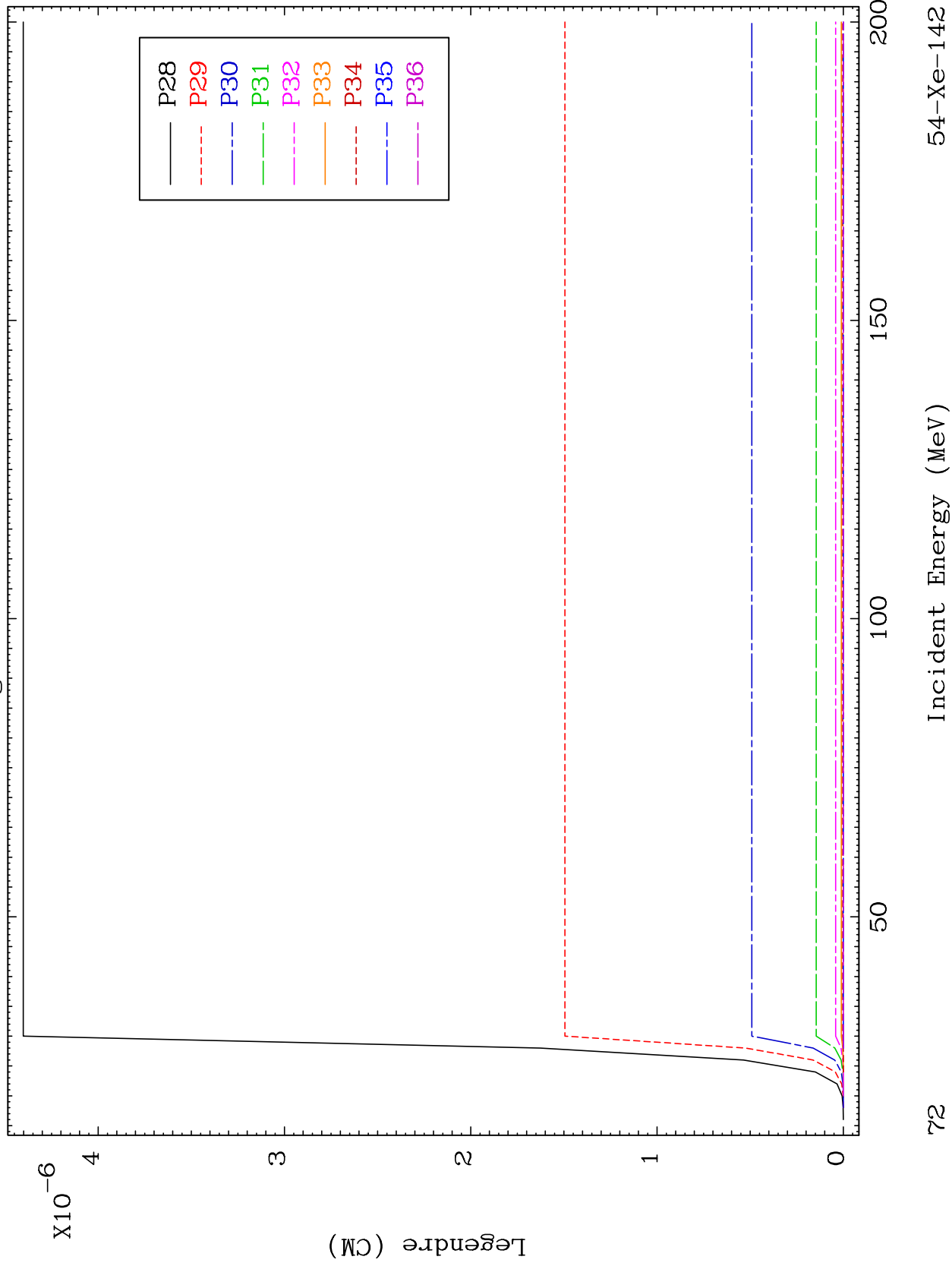
71

54-Xe-142

MAT 5479

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

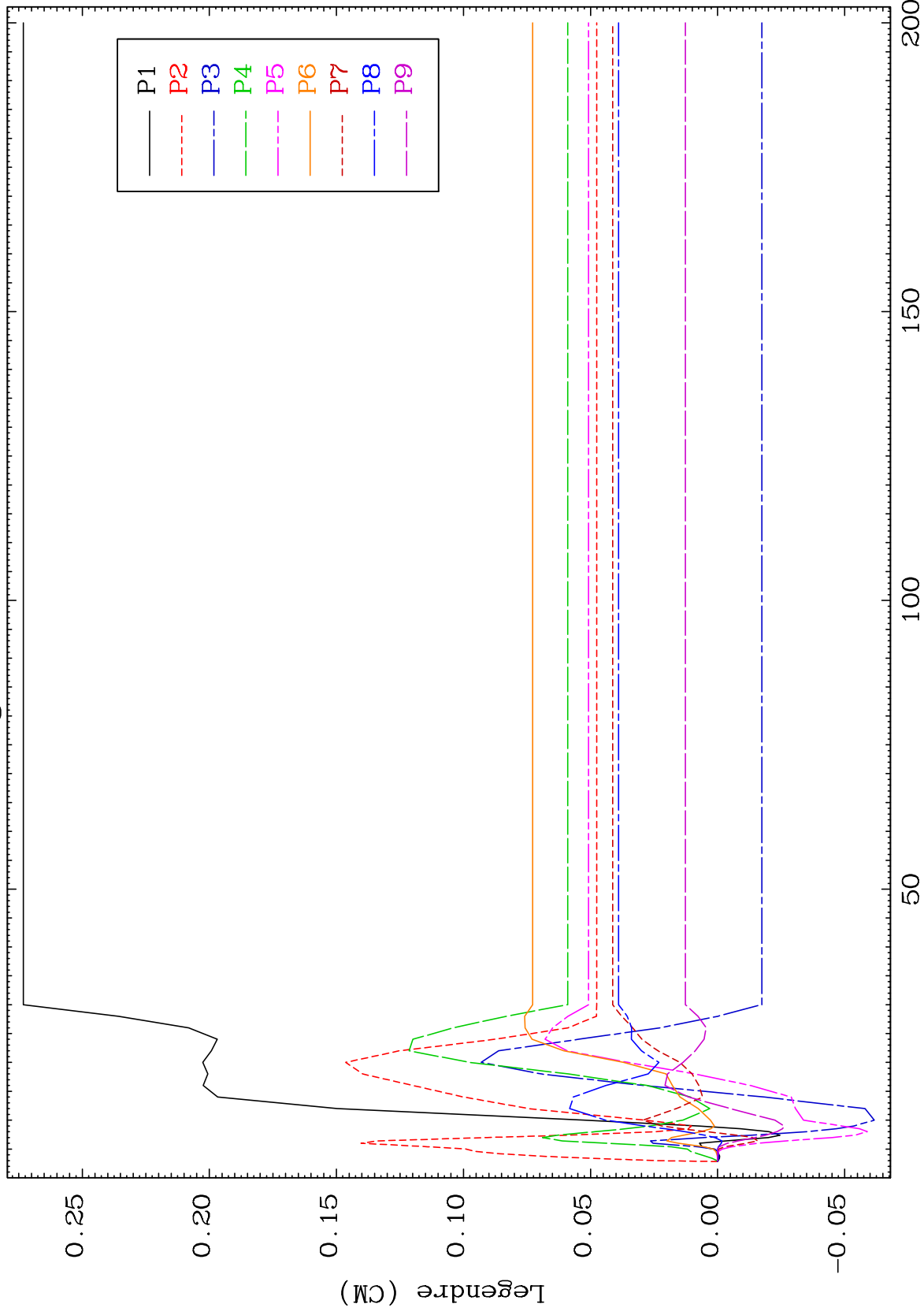
54-Xe-142



MAT 5479

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

54-Xe-142



73

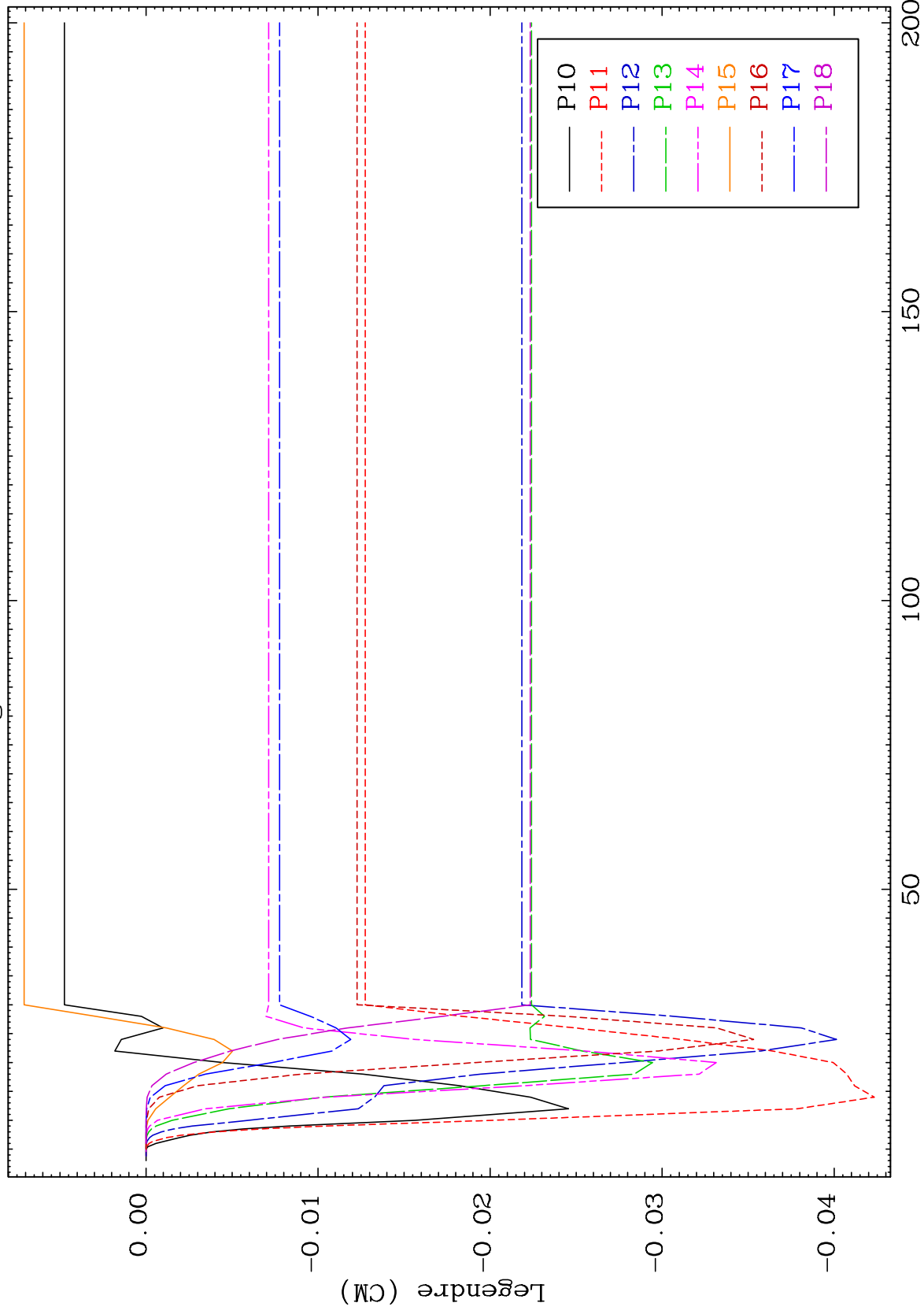
Incident Energy (MeV)

54-Xe-142

MAT 5479

54-Xe-142

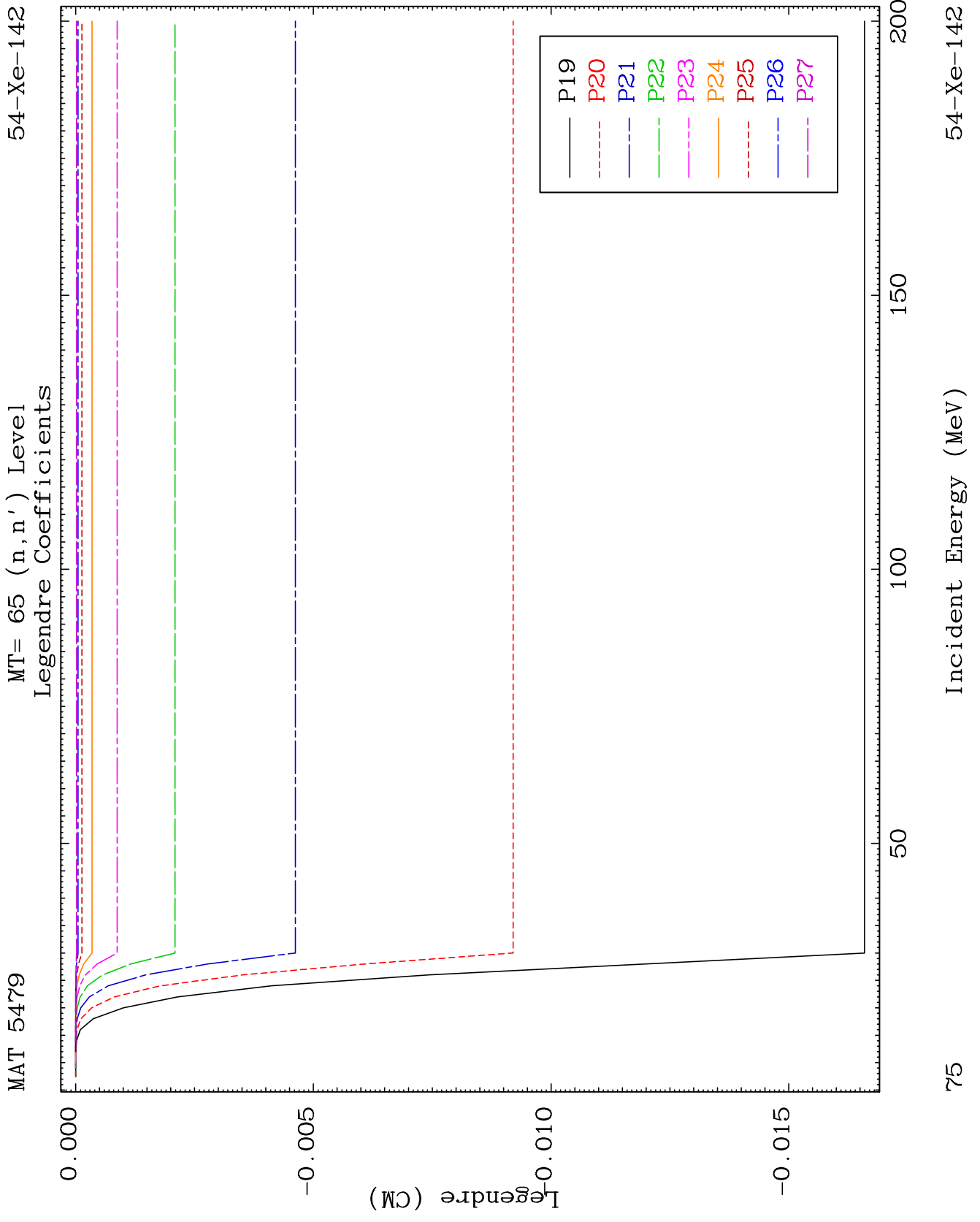
MT= 65 (n,n') Level  
Legendre Coefficients



74

Incident Energy (MeV)

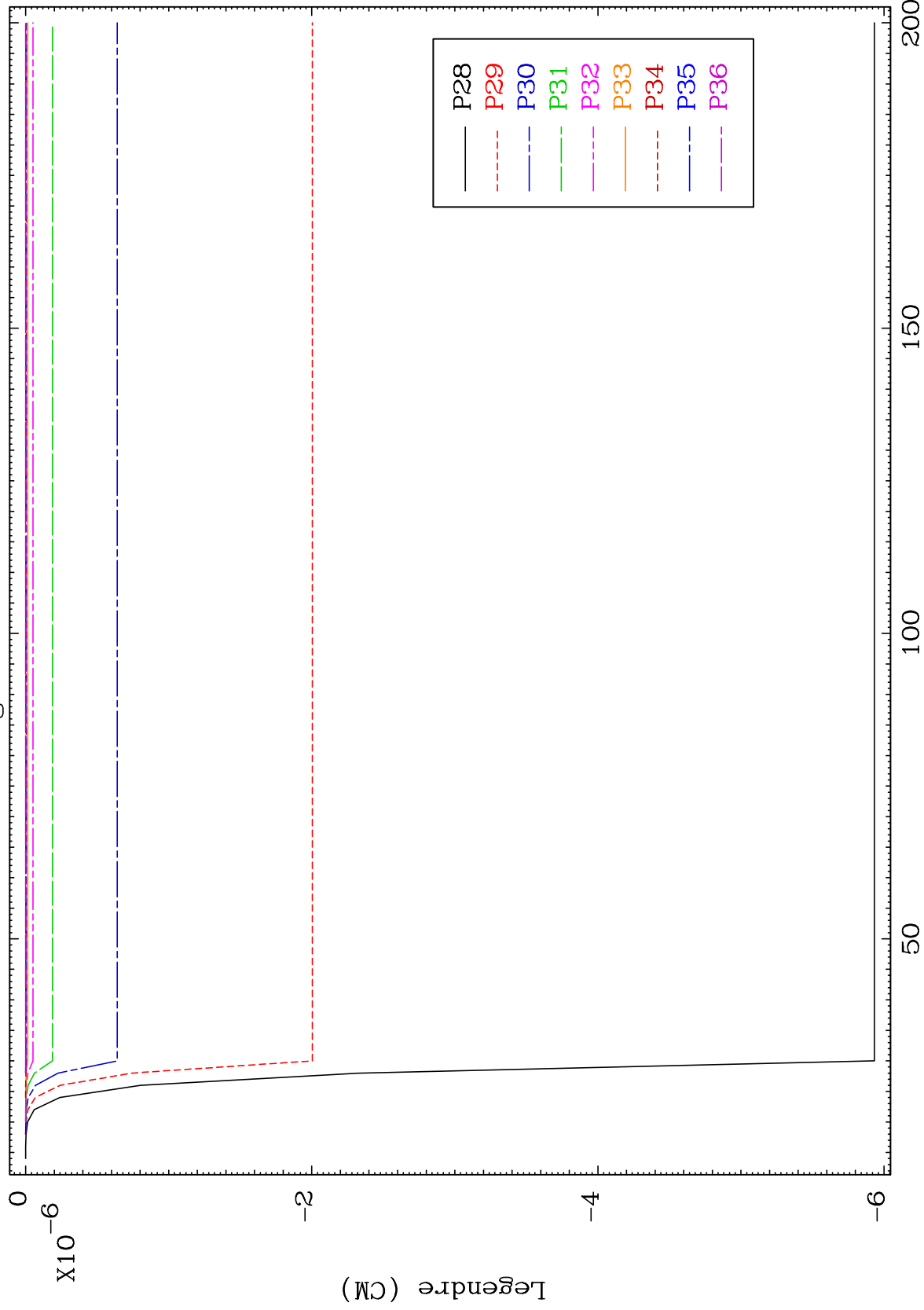
54-Xe-142



MAT 5479

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

54-Xe-142



76

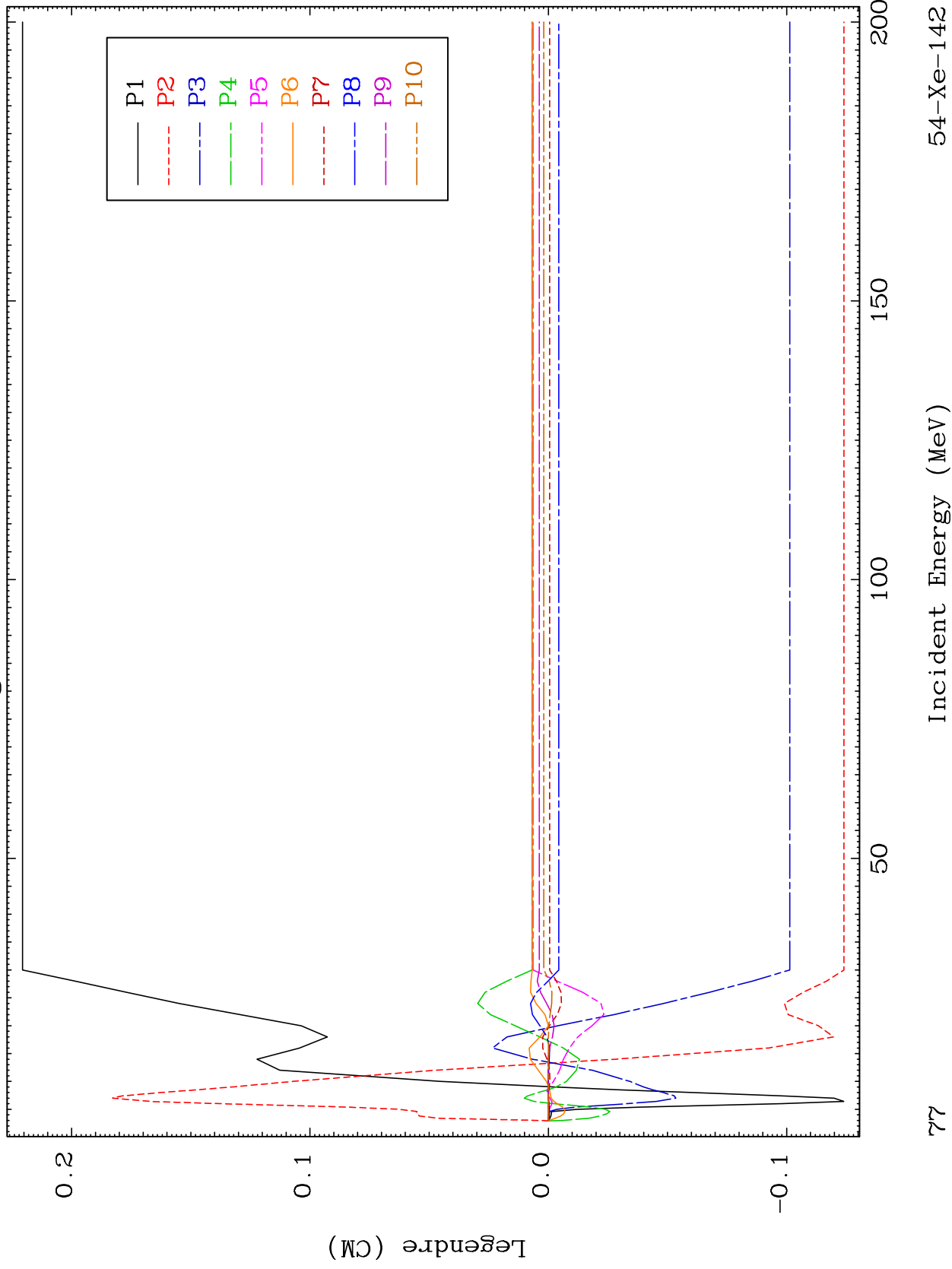
Incident Energy (MeV)

54-Xe-142

MAT 5479

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

54-Xe-142



77

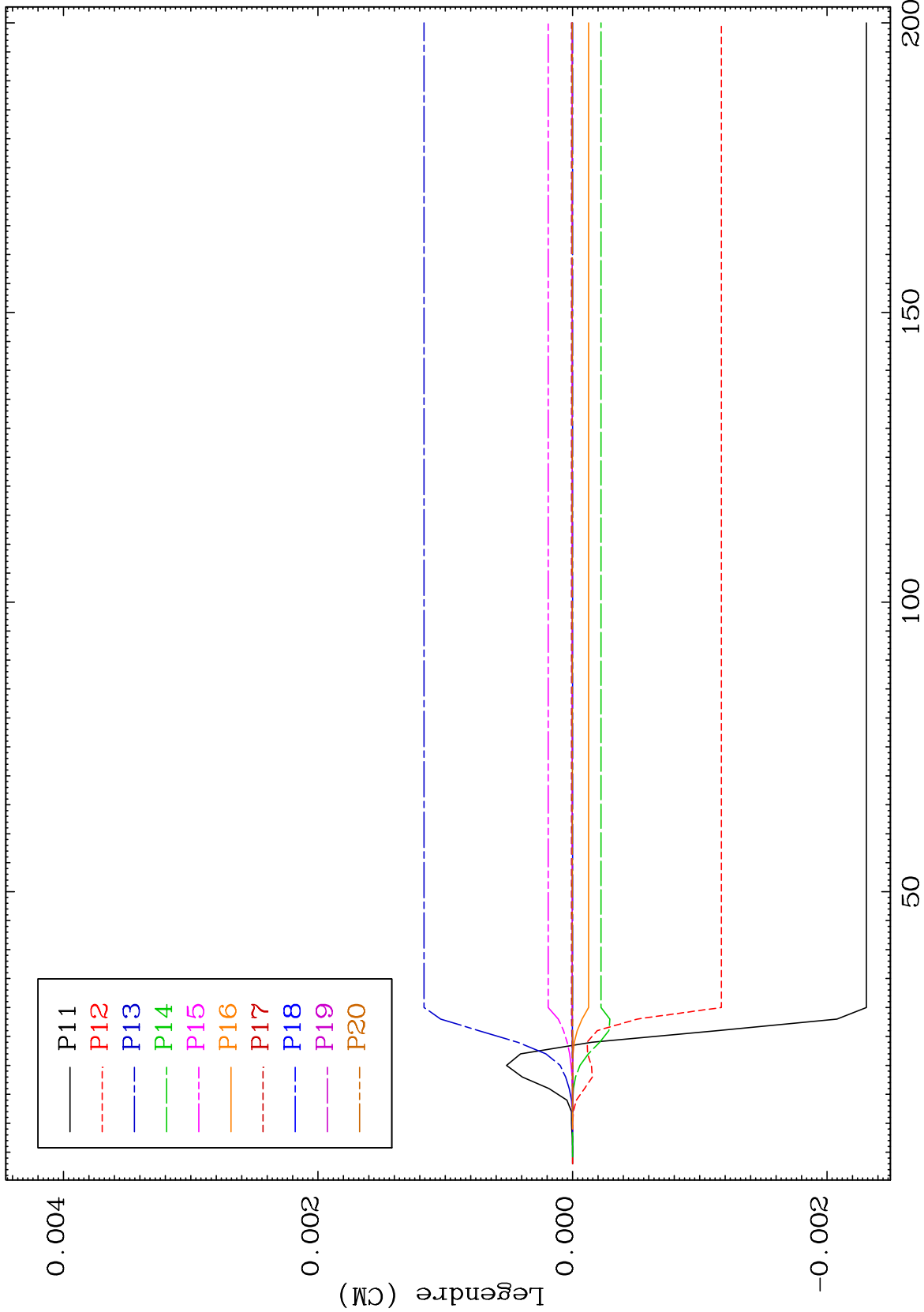
Incident Energy (MeV)

54-Xe-142

MAT 5479

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

54-Xe-142



78

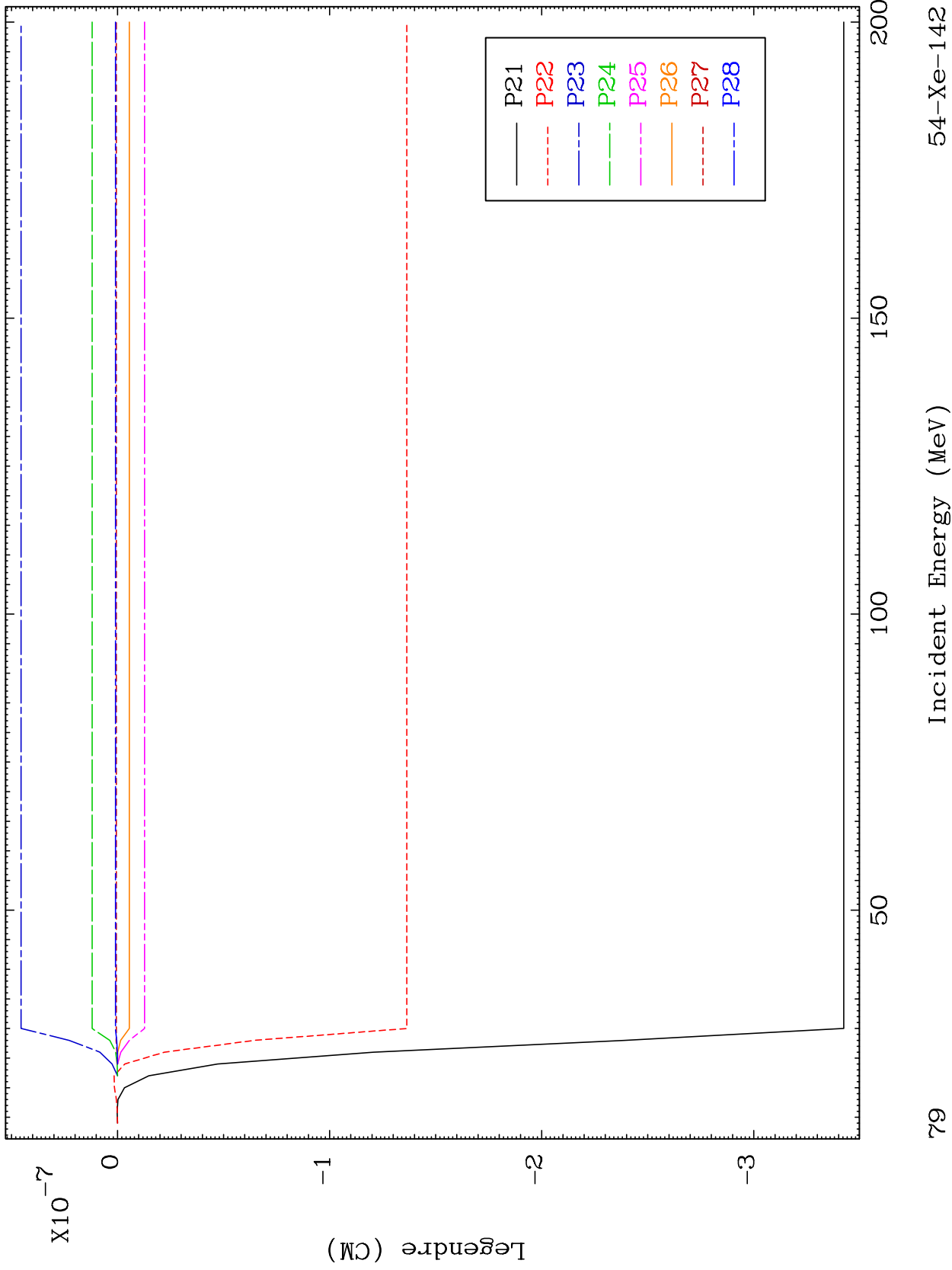
Incident Energy (MeV)

54-Xe-142

MAT 5479

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

54-Xe-142



79

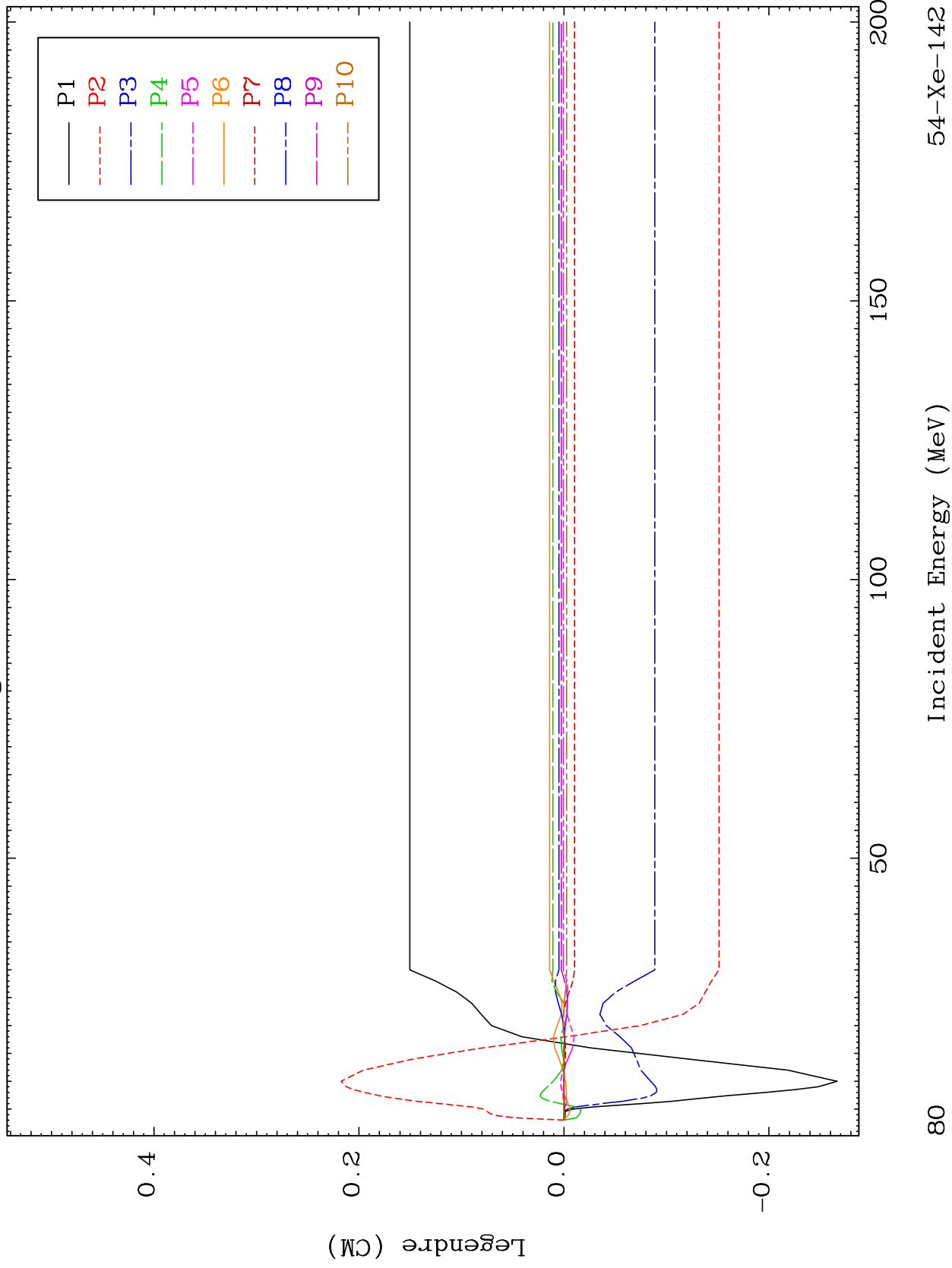
Incident Energy (MeV)

54-Xe-142

MAT 5479

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

54-Xe-142



54-Xe-142

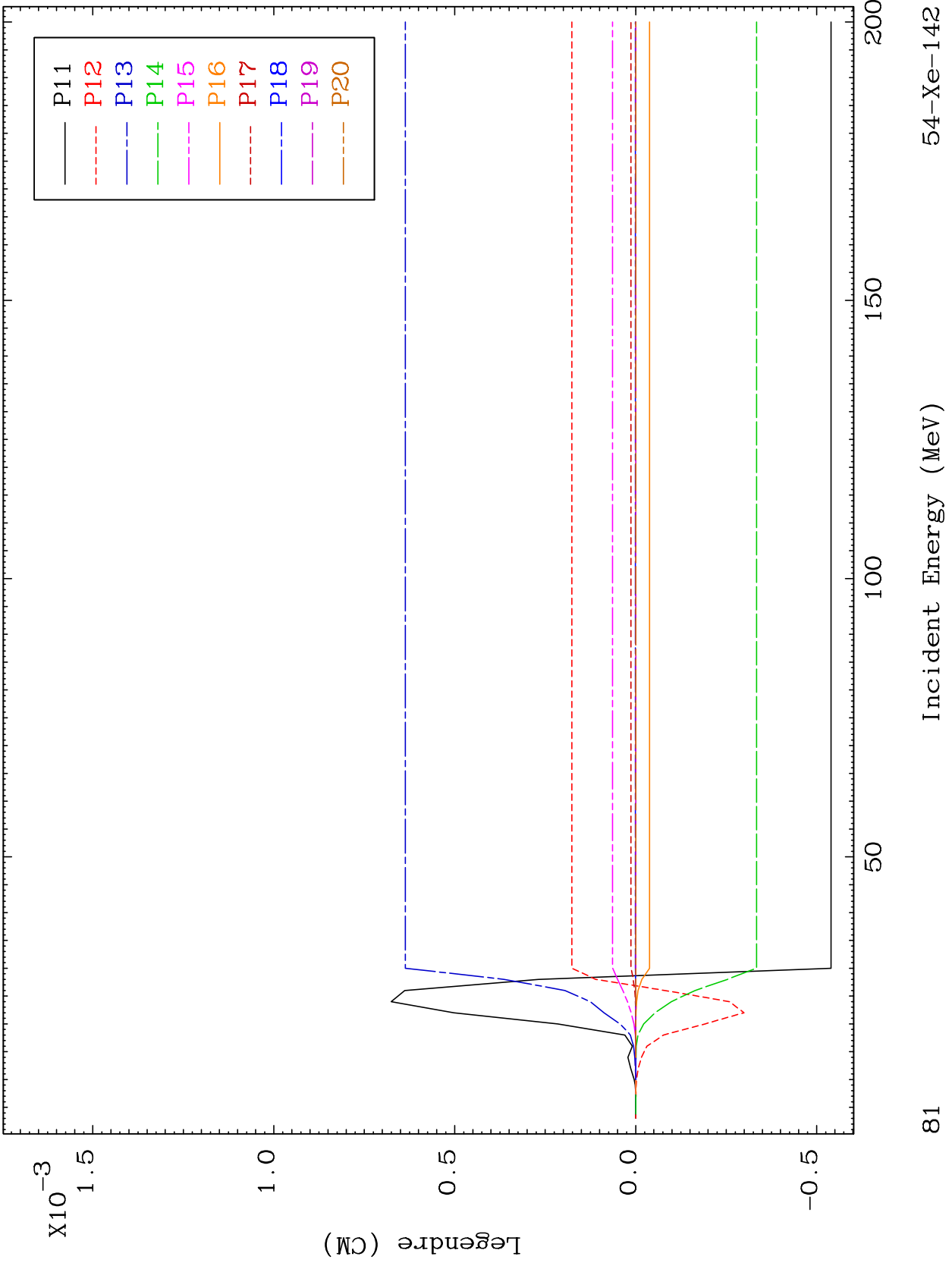
Incident Energy (MeV)

80

MAT 5479

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

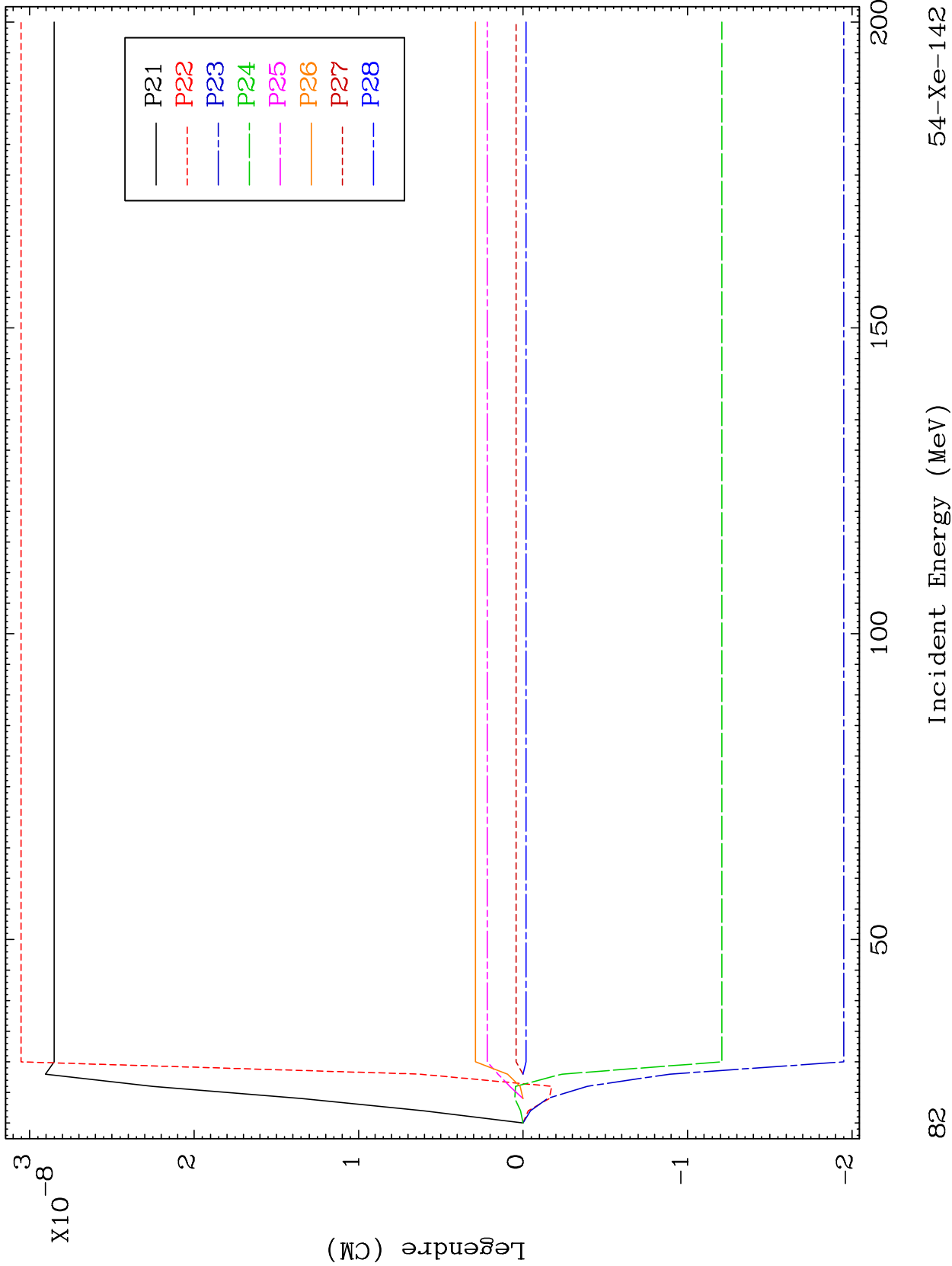
54-Xe-142



MAT 5479

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

54-Xe-142



82

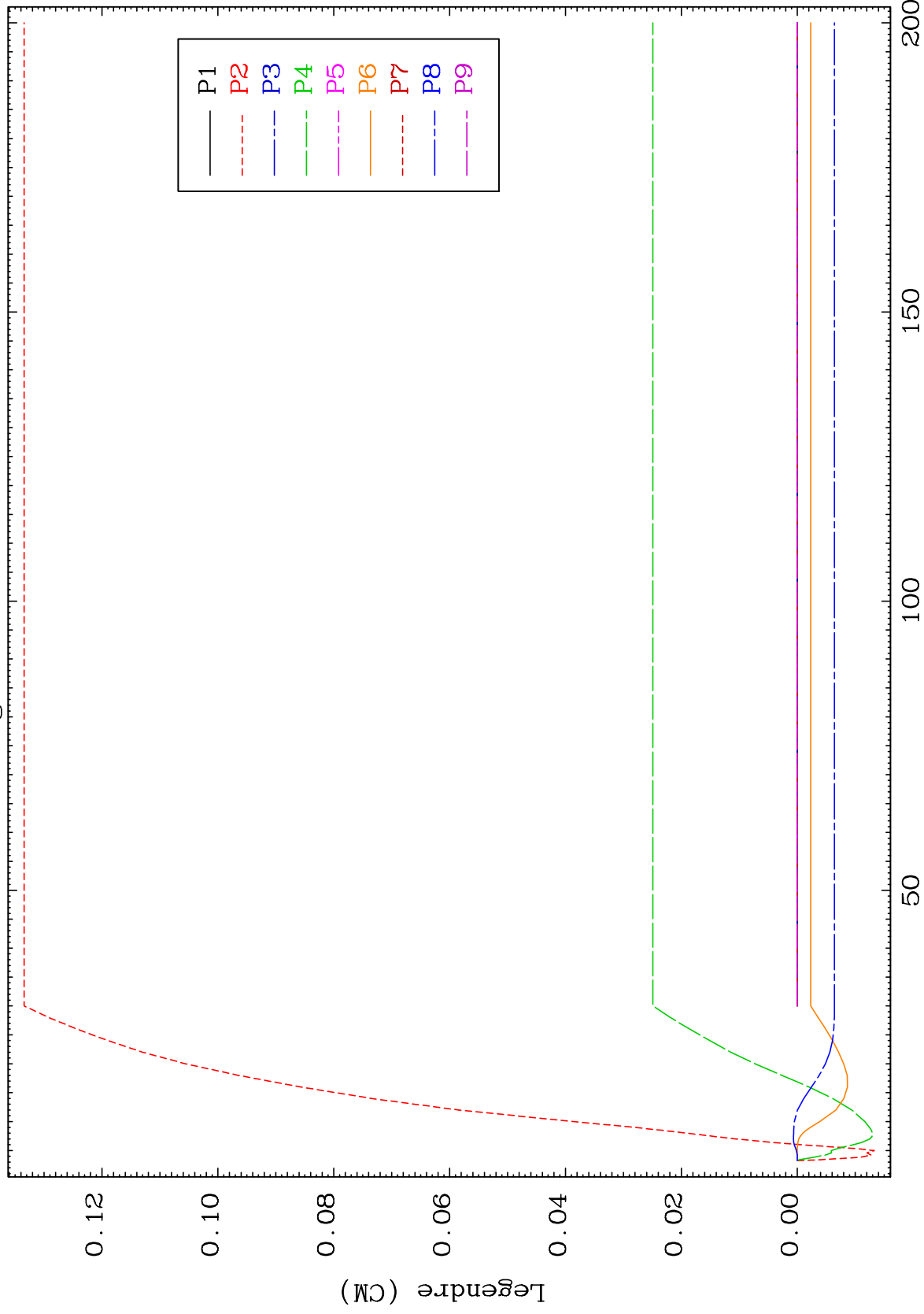
Incident Energy (MeV)

54-Xe-142

MAT 5479

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

54-Xe-142



83

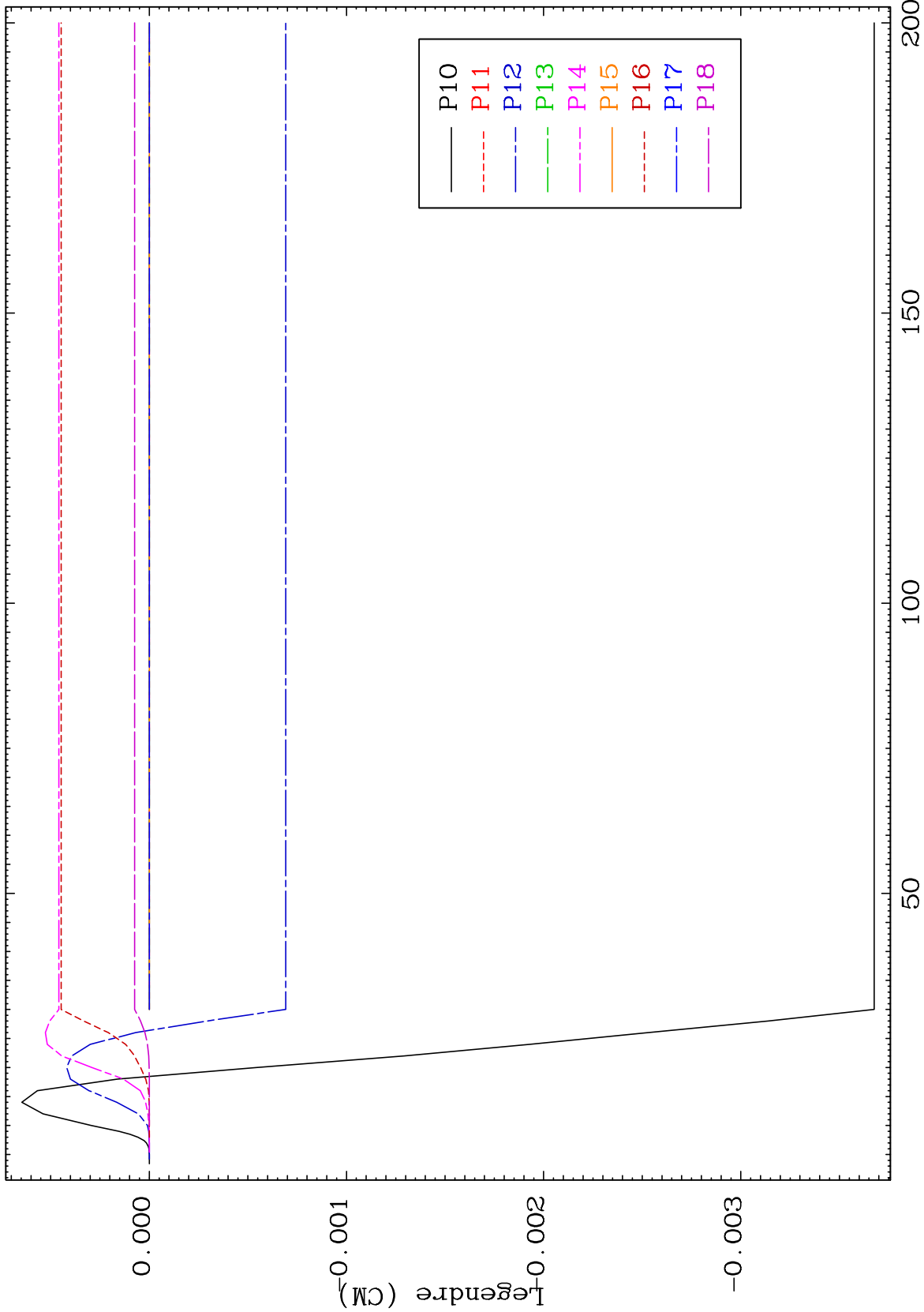
Incident Energy (MeV)

54-Xe-142

MAT 5479

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

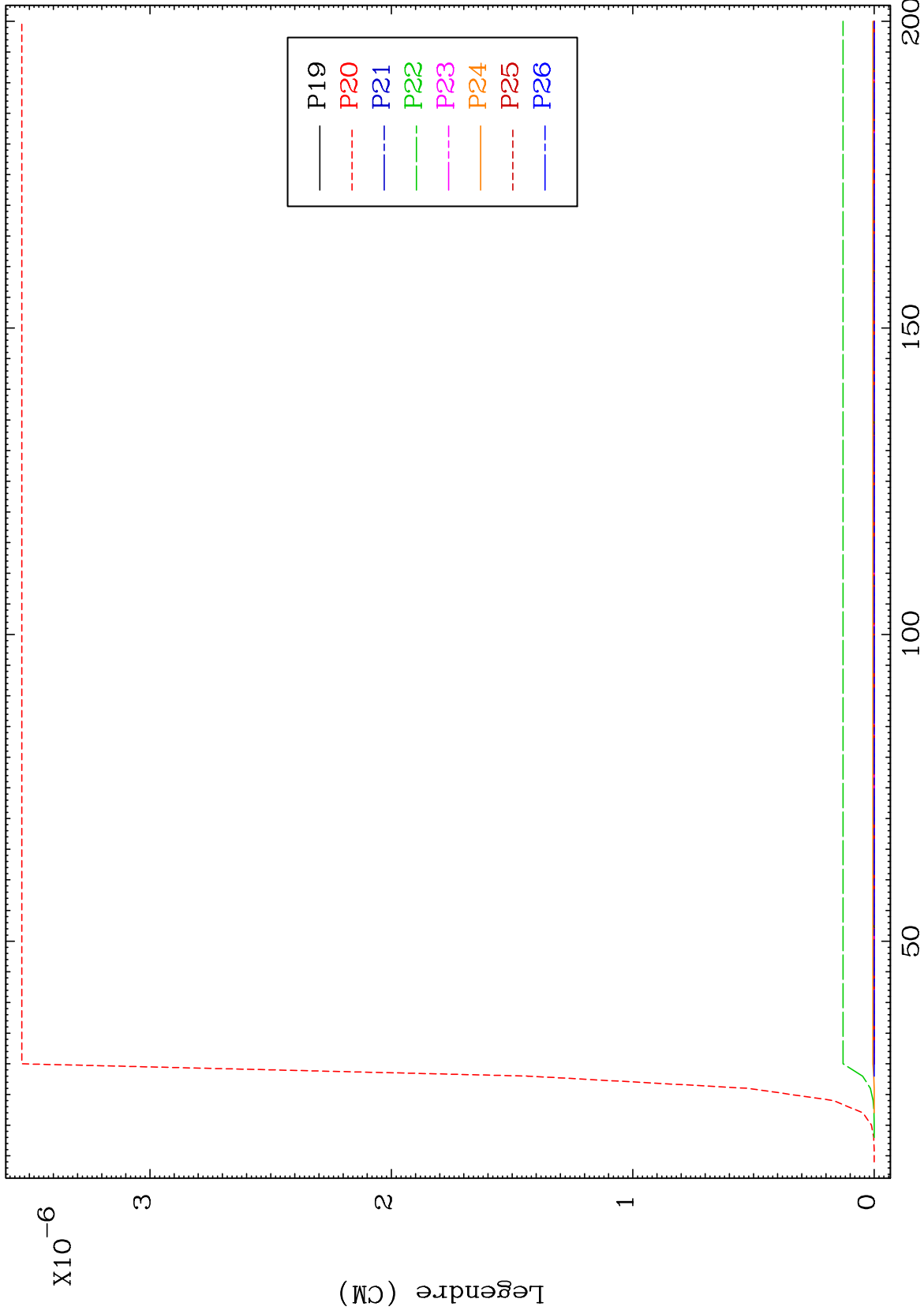
54-Xe-142



MAT 5479

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

54-Xe-142



85

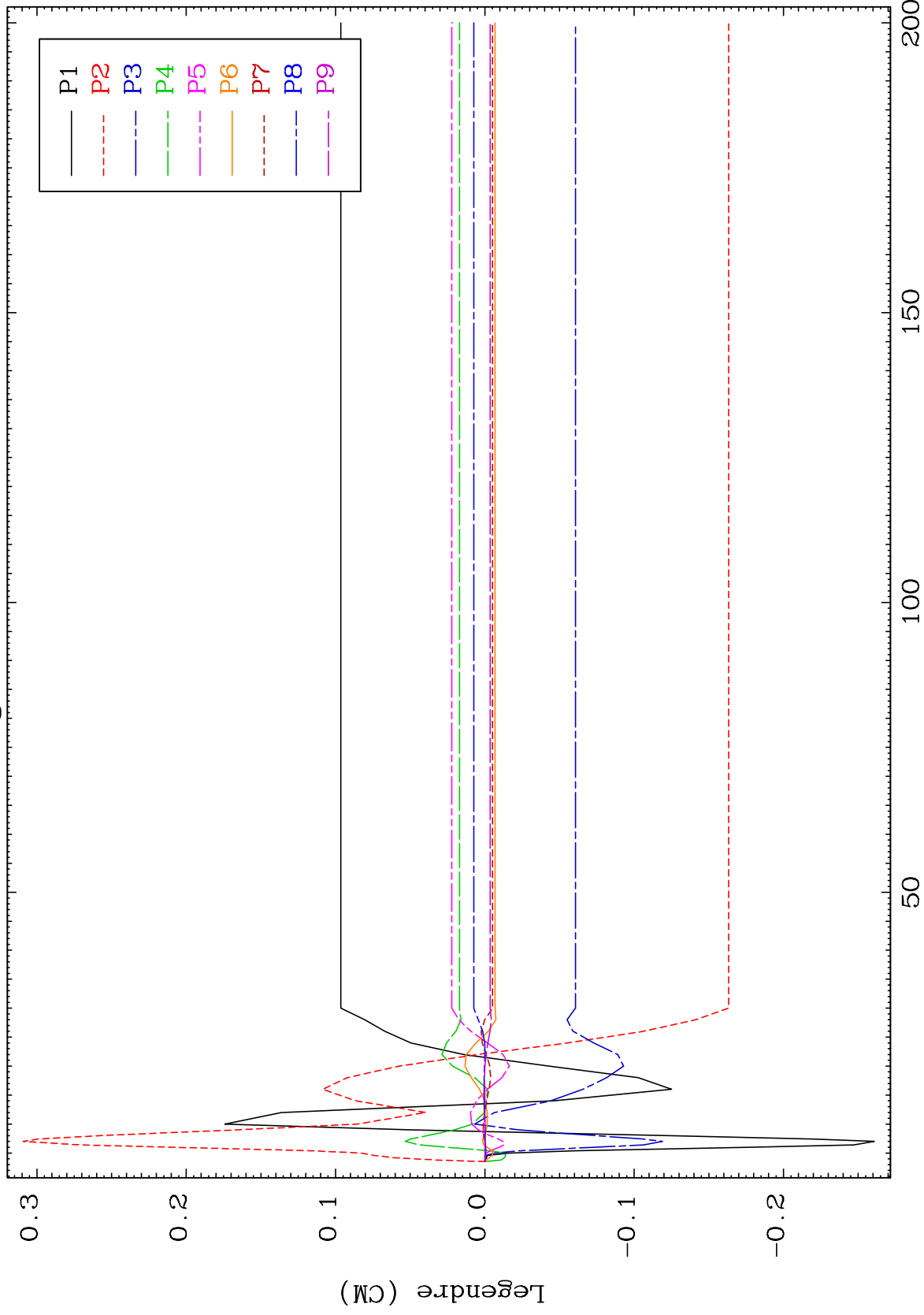
Incident Energy (MeV)

54-Xe-142

MAT 5479

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

54-Xe-142



86

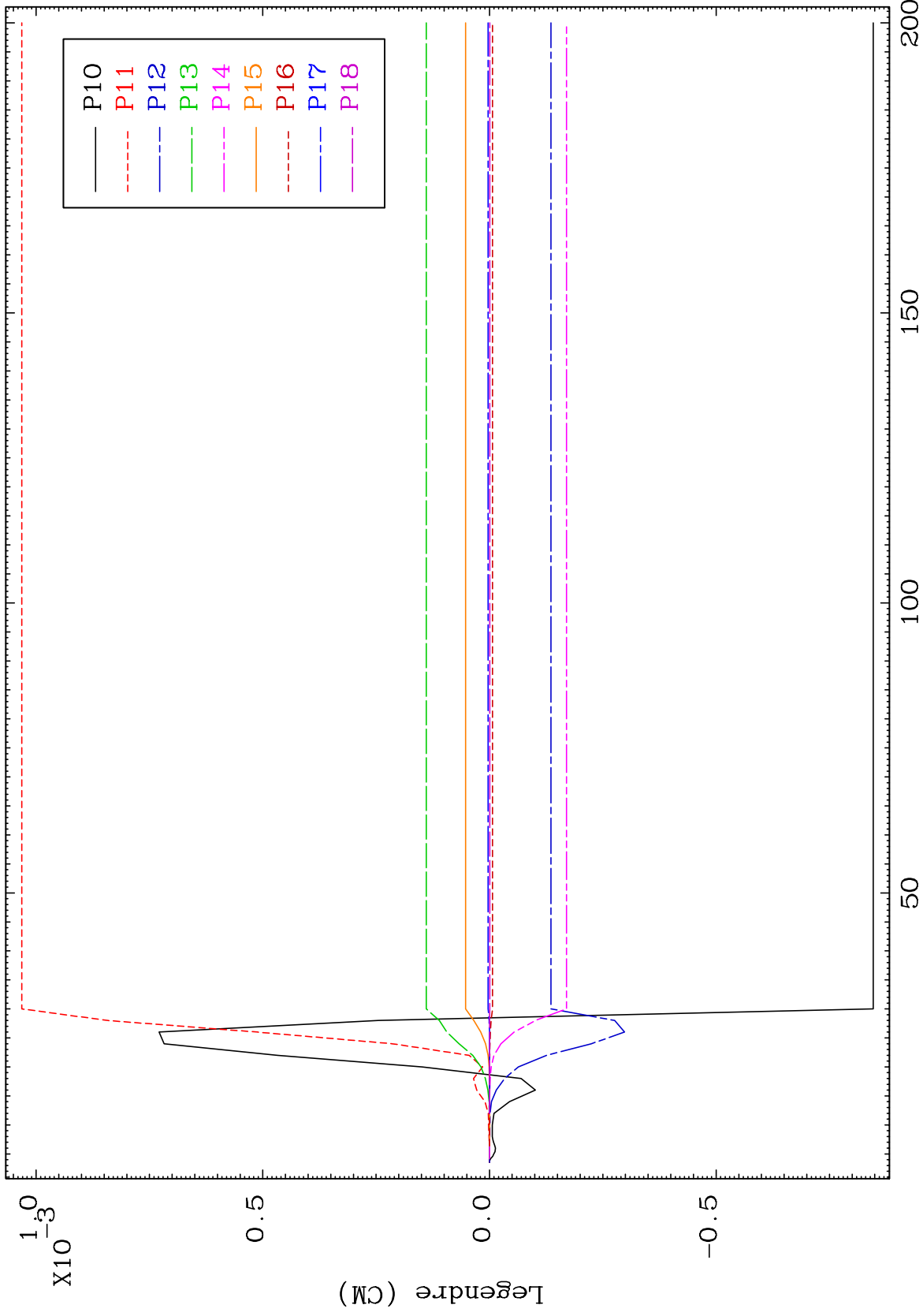
Incident Energy (MeV)

54-Xe-142

MAT 5479

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

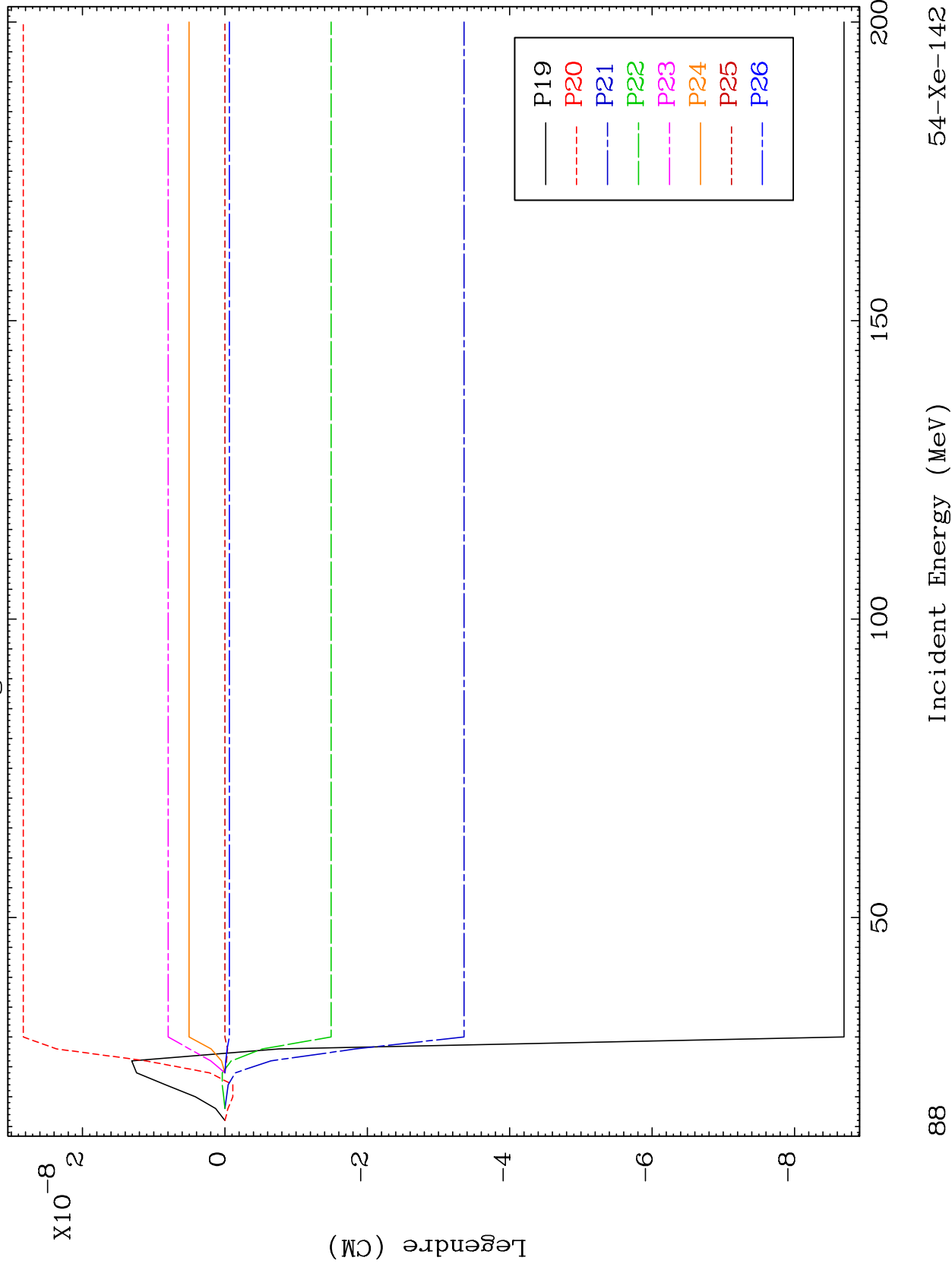
54-Xe-142



87

Incident Energy (MeV)

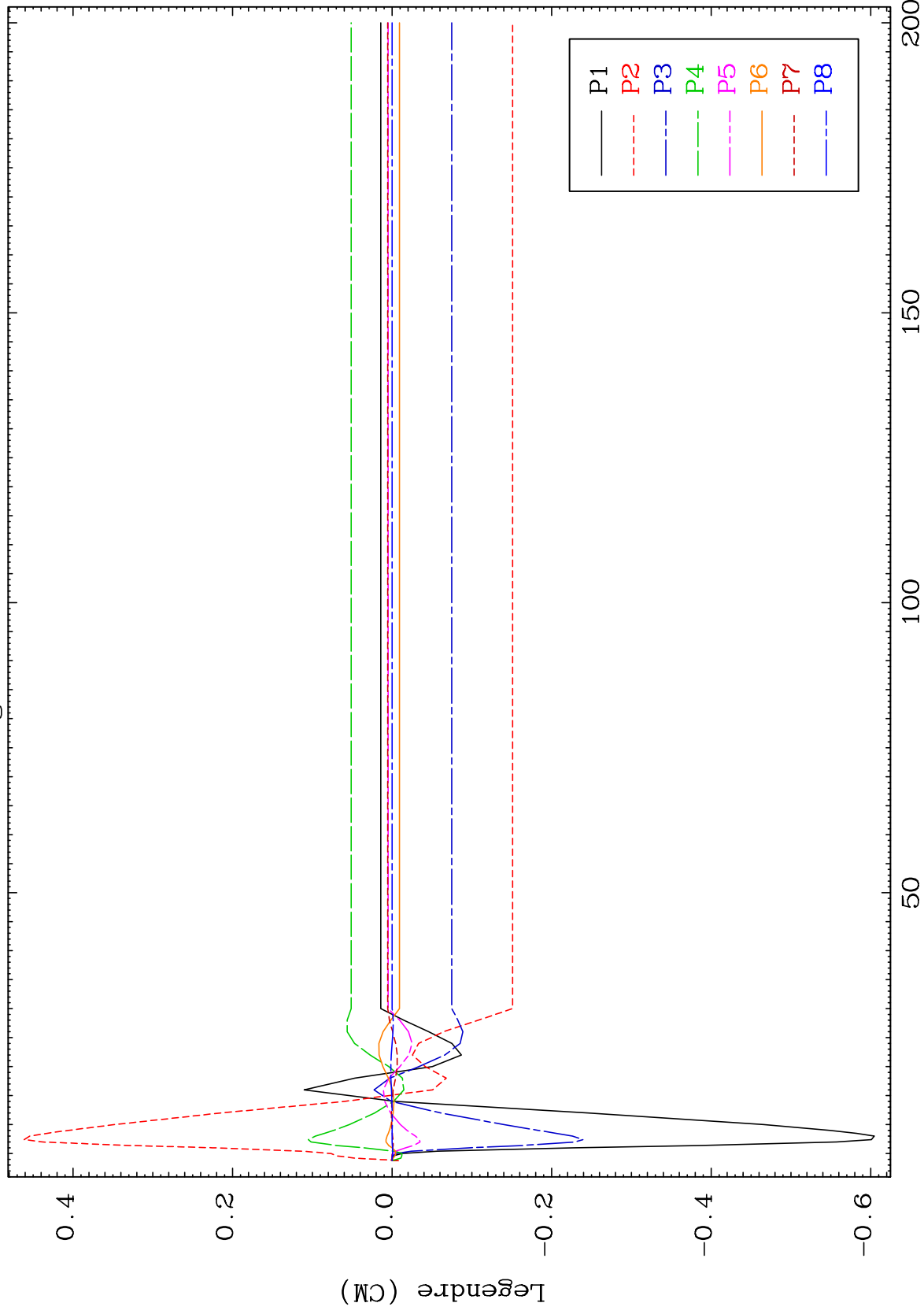
54-Xe-142



MAT 5479

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

54-Xe-142



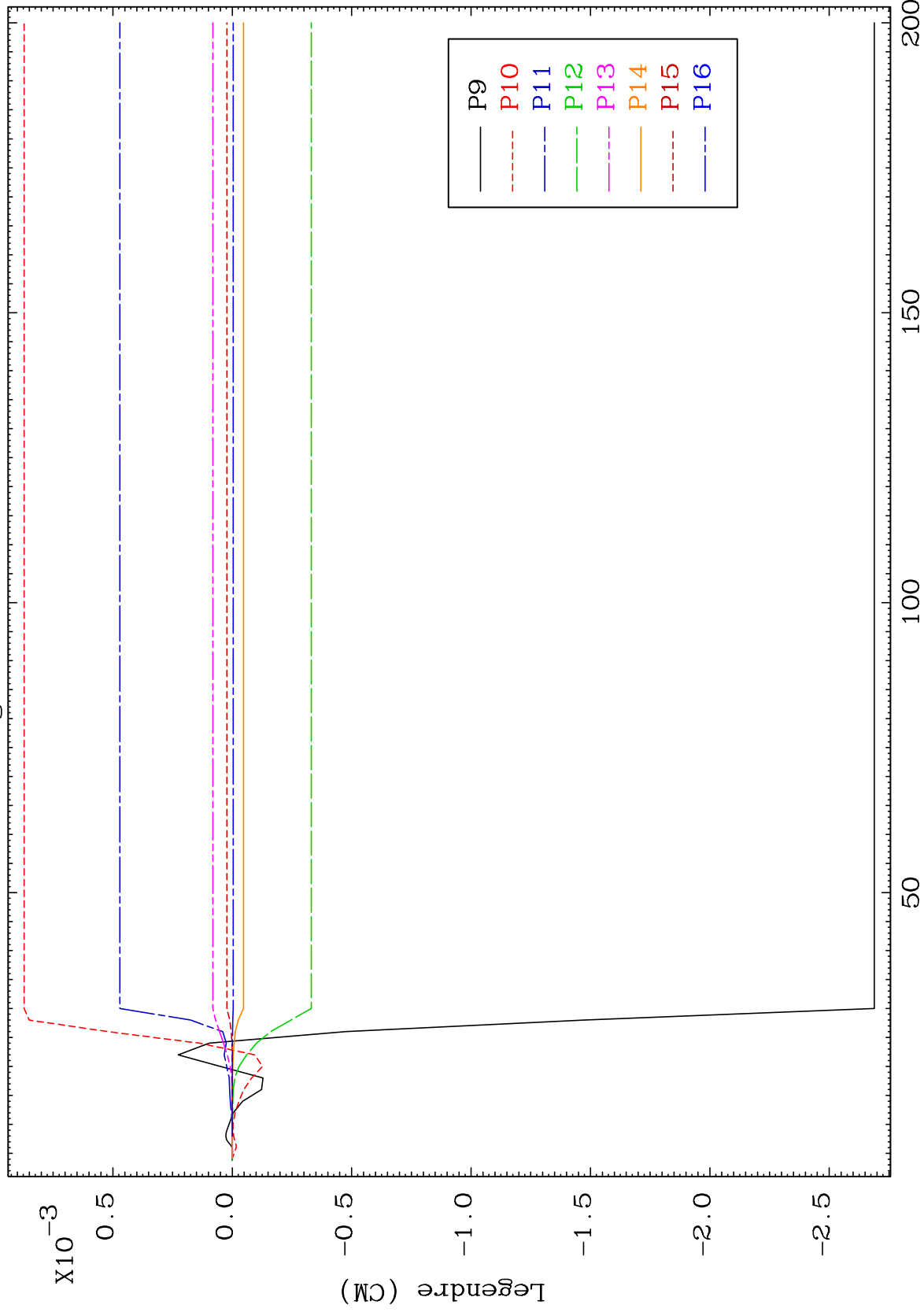
89

54-Xe-142

MAT 5479

54-Xe-142

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



90

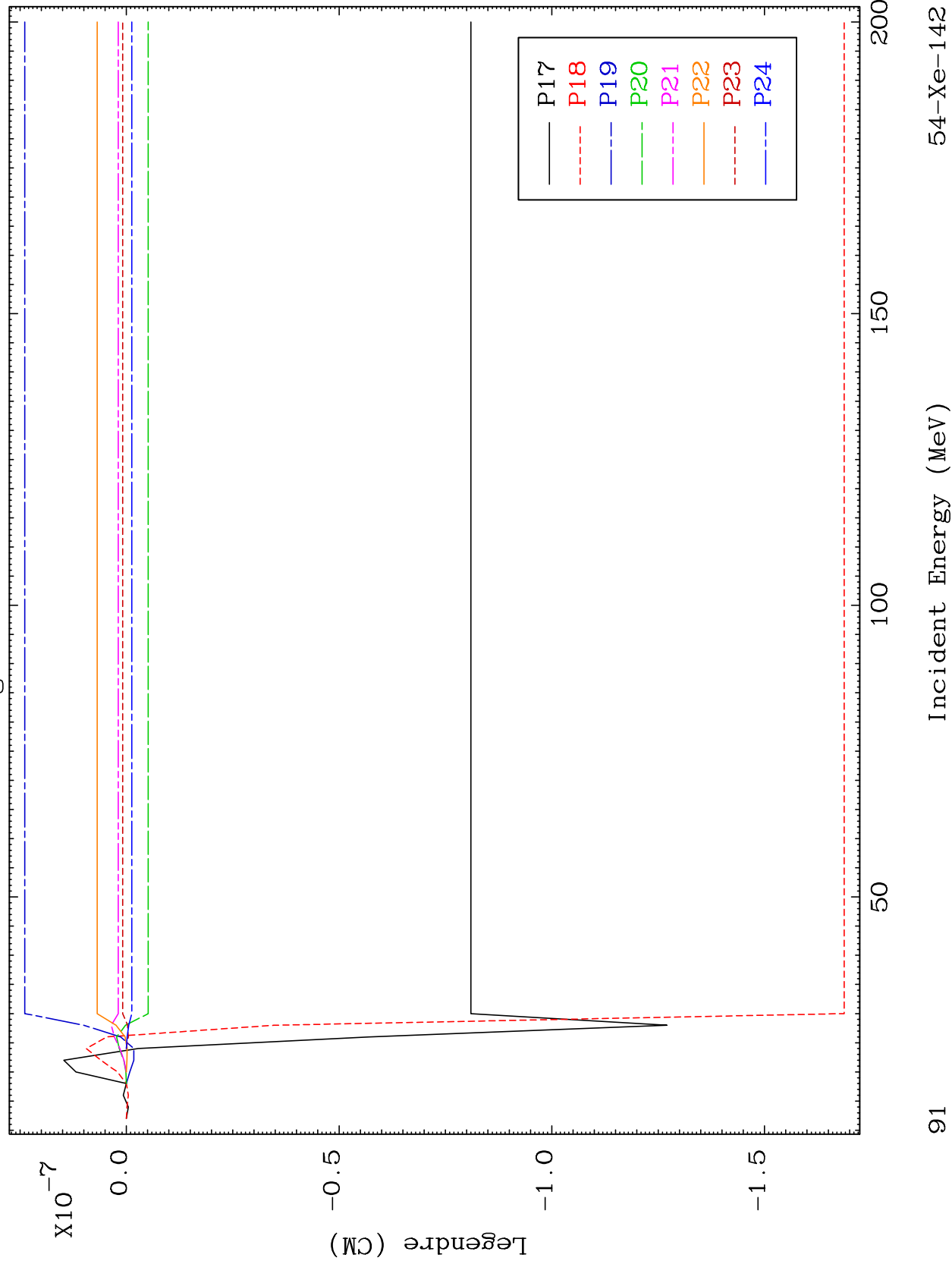
Incident Energy (MeV)

54-Xe-142

MAT 5479

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

54-Xe-142



91

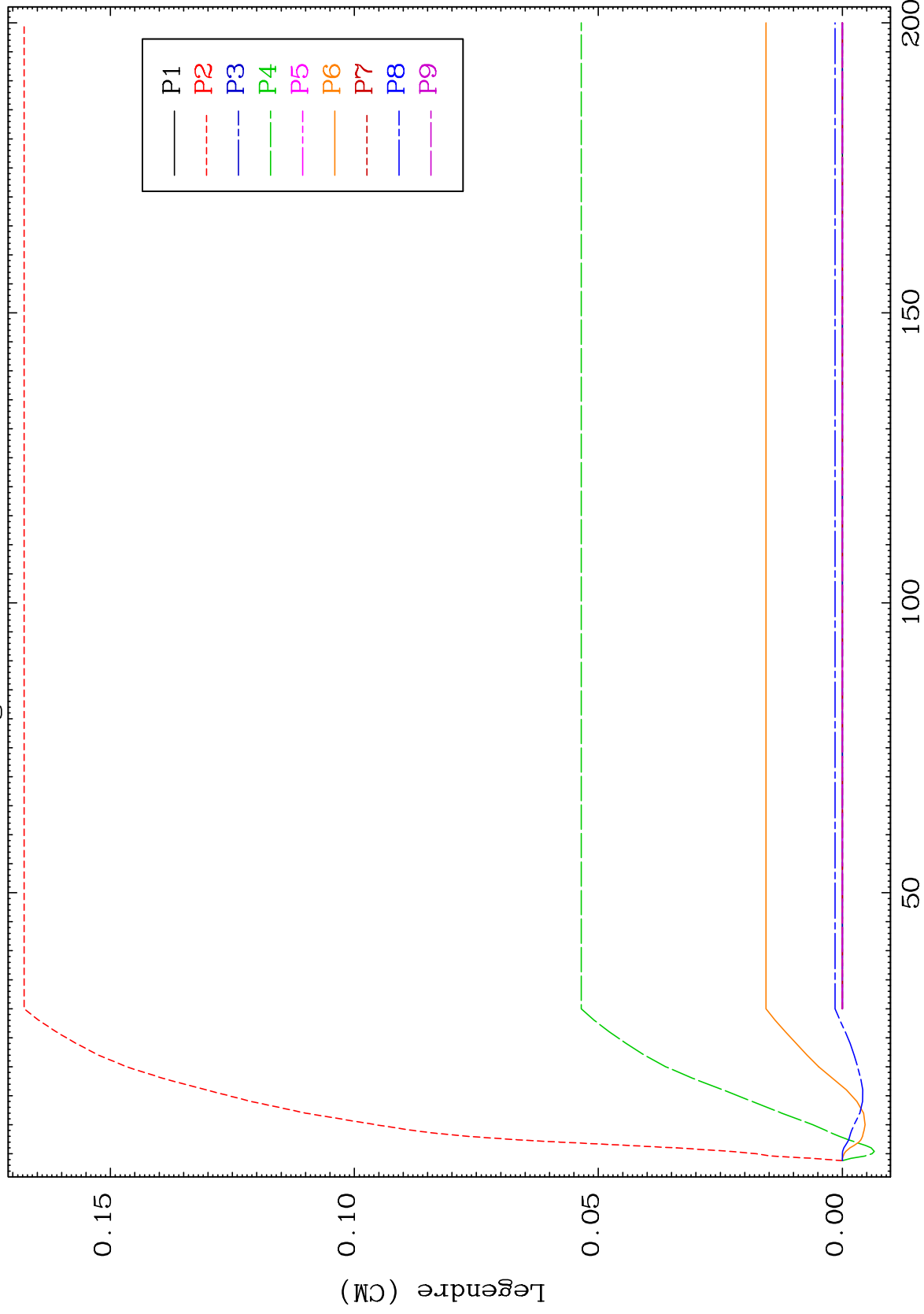
Incident Energy (MeV)

54-Xe-142

MAT 5479

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

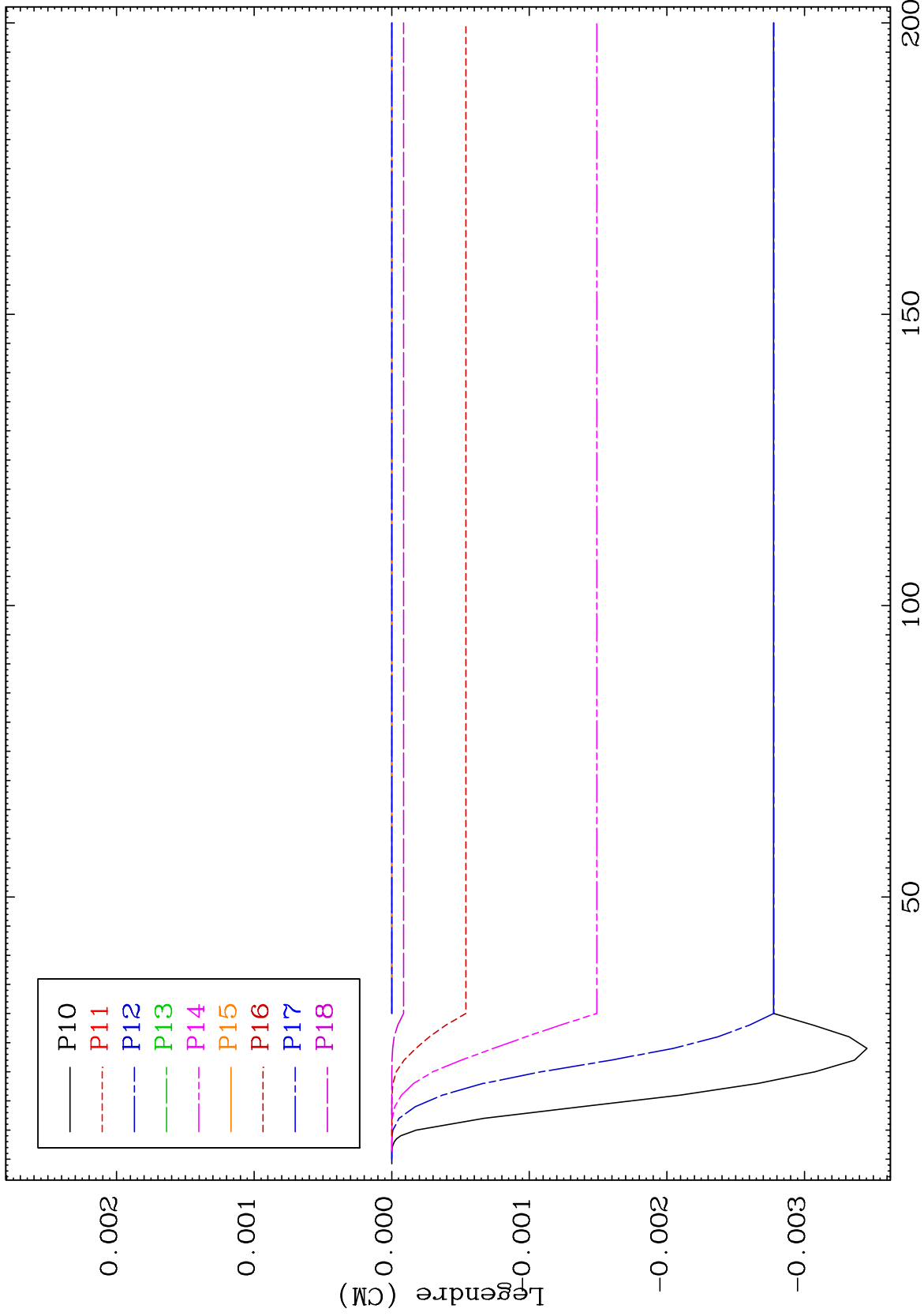
54-Xe-142



92

Incident Energy (MeV)

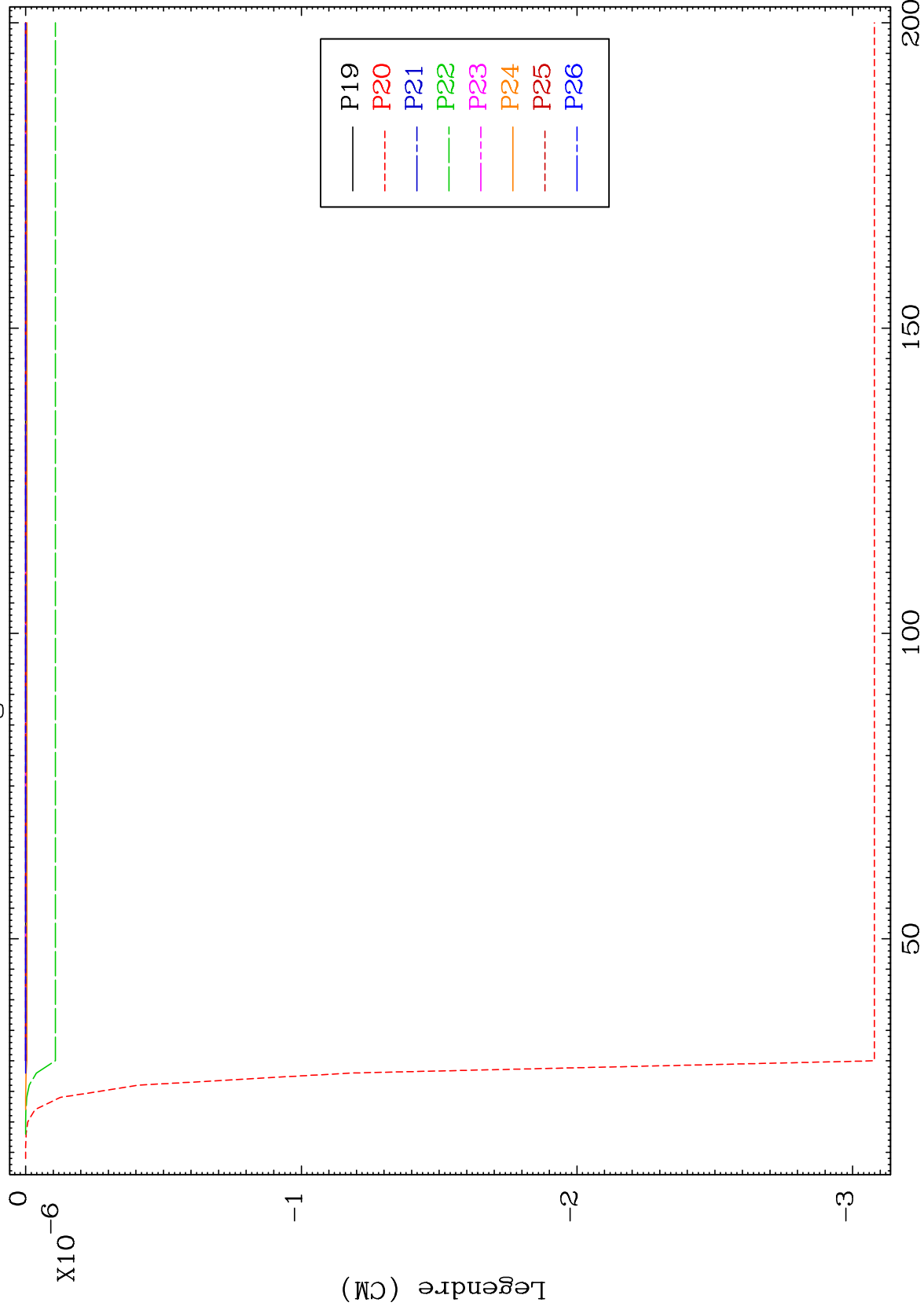
54-Xe-142



MAT 5479

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

54-Xe-142



94

Incident Energy (MeV)

54-Xe-142