

Program EVALPLOT
(Version 2018-1)

by

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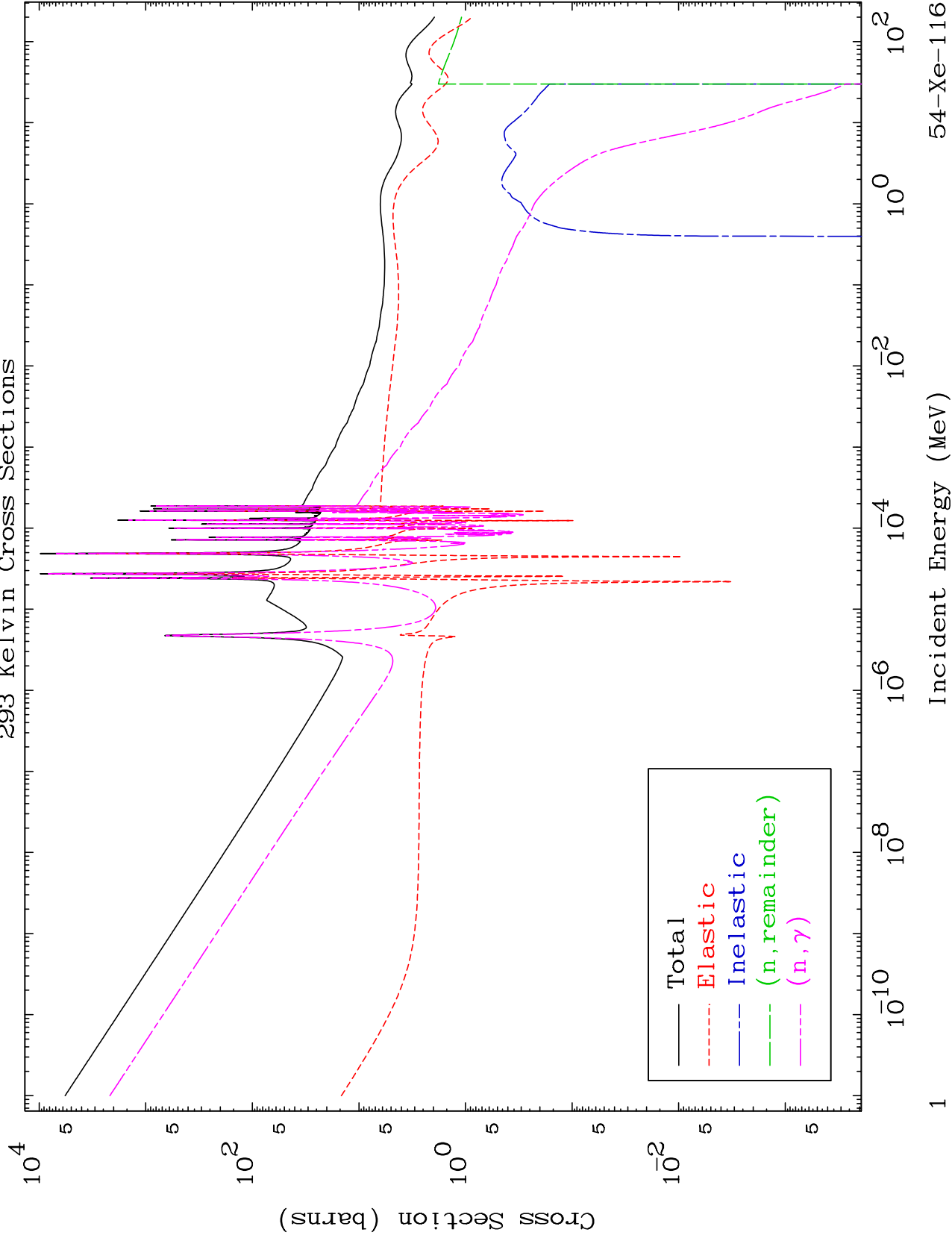
Press Mouse Button to Start

MAT 5401

Major

293 Kelvin Cross Sections

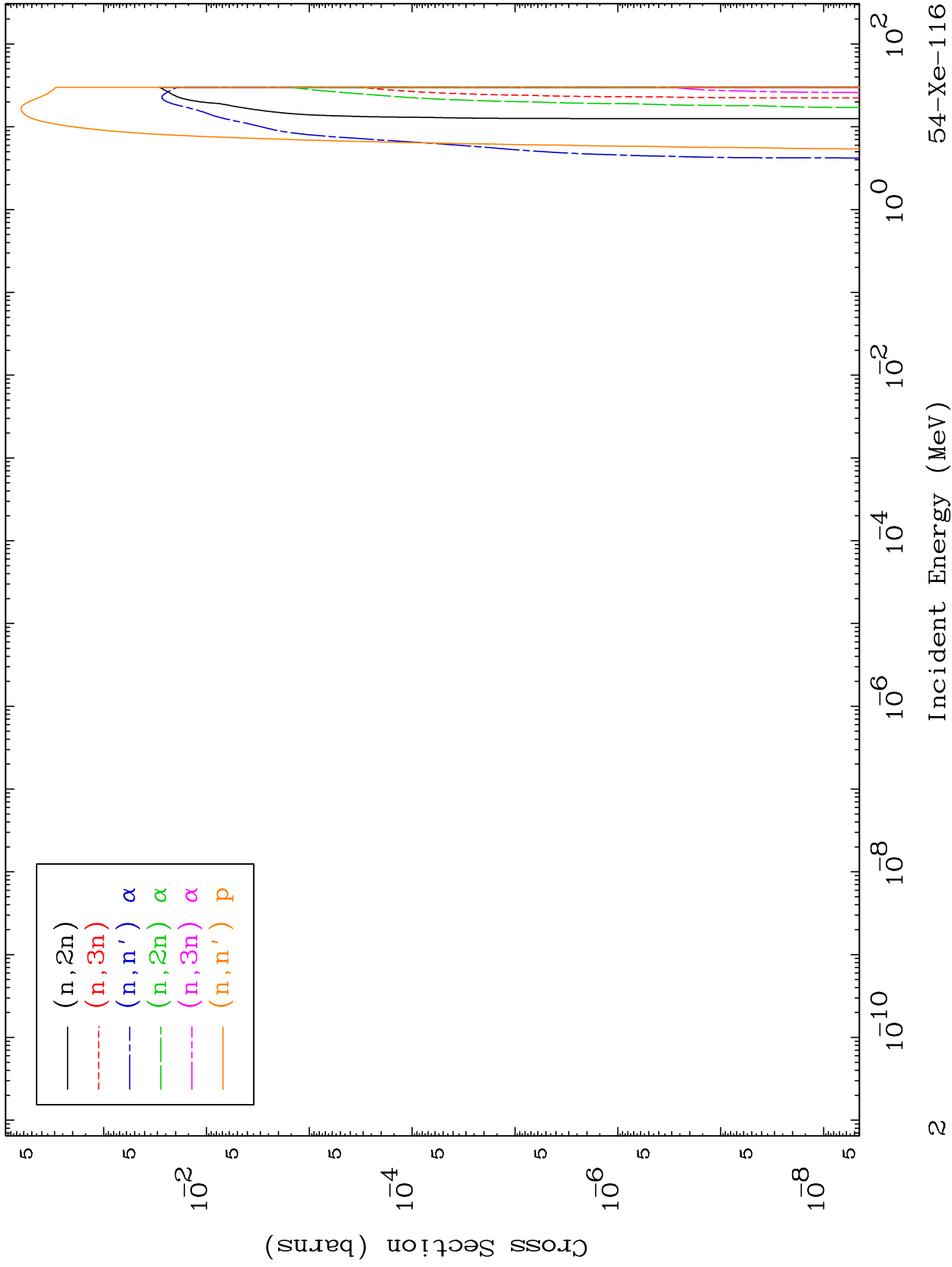
54-Xe-116



MAT 5401

Neutron Production
293 Kelvin Cross Sections

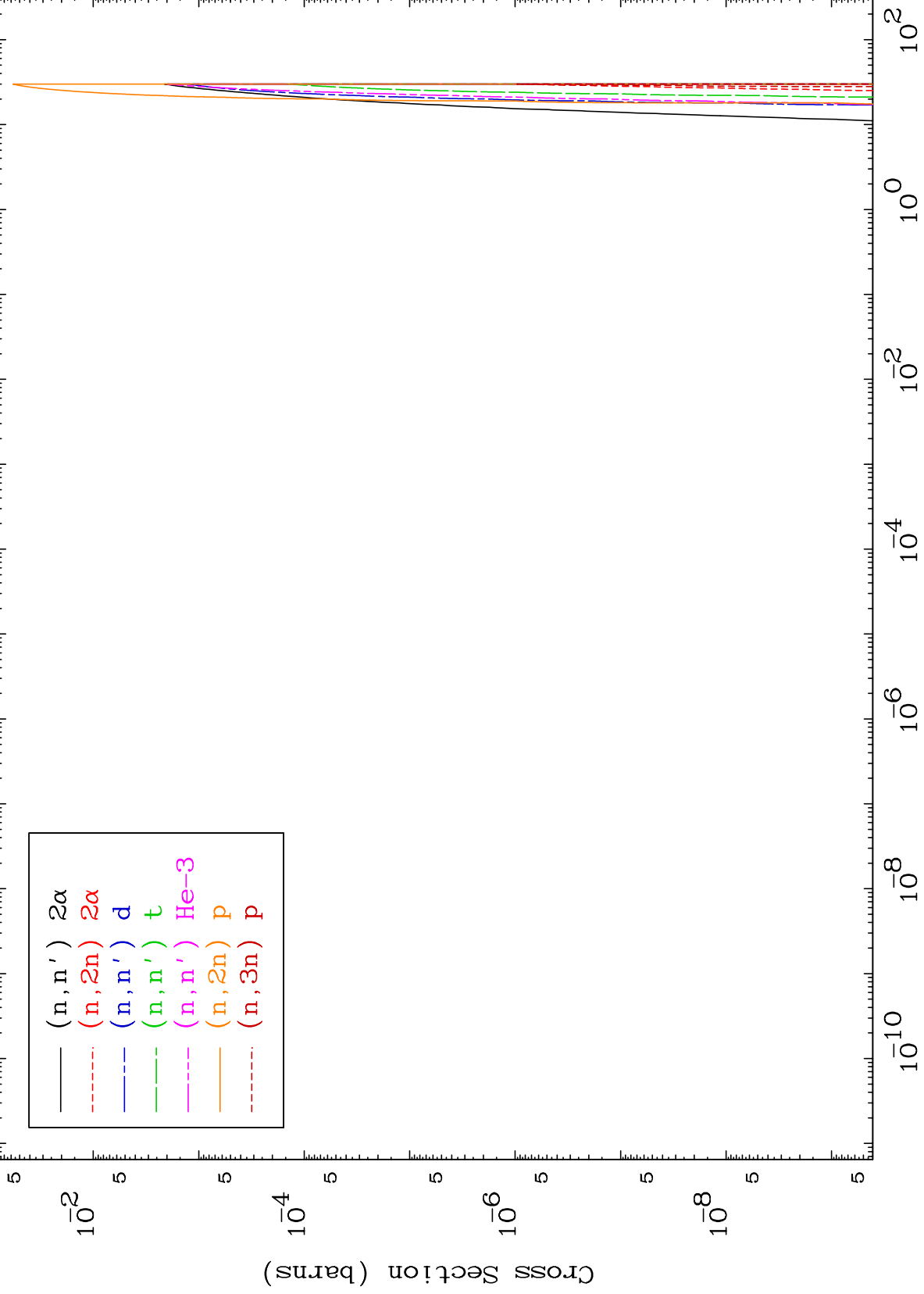
54-Xe-116



MAT 5401

Neutron Production
293 Kelvin Cross Sections

54-Xe-116



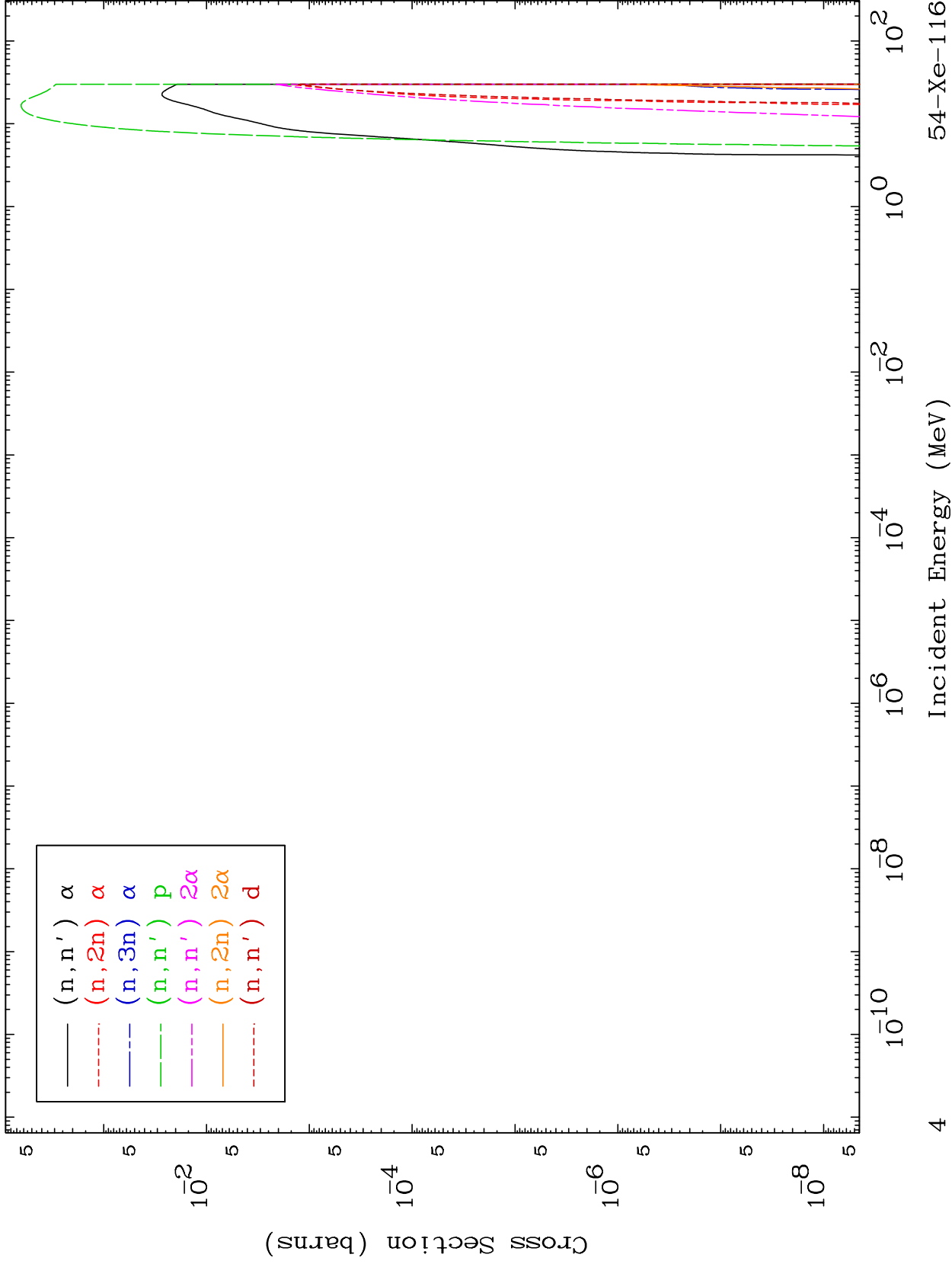
54-Xe-116

Incident Energy (MeV)

MAT 5401

Charged Particle
293 Kelvin Cross Sections

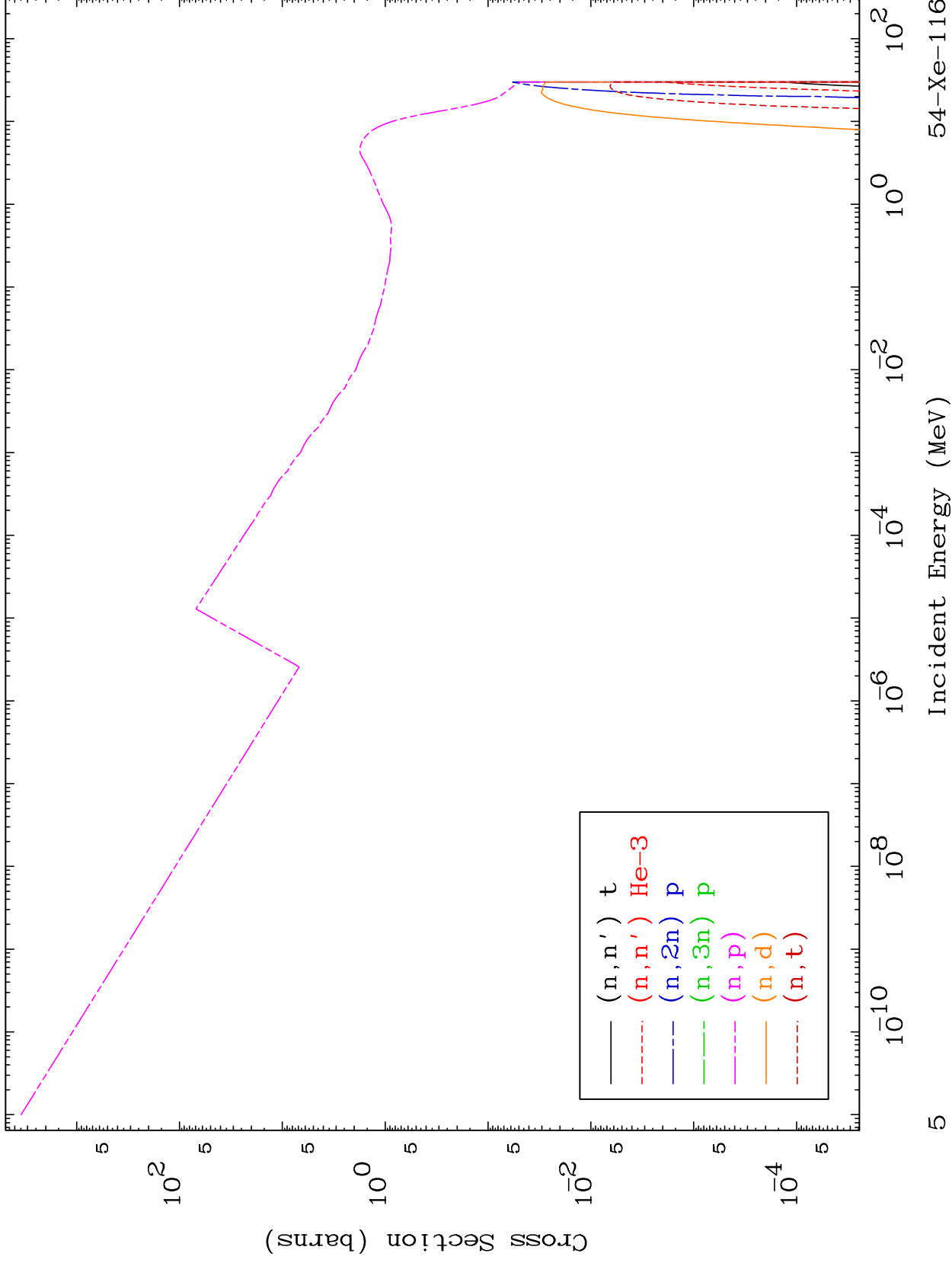
54-Xe-116



MAT 5401

Charged Particle
293 Kelvin Cross Sections

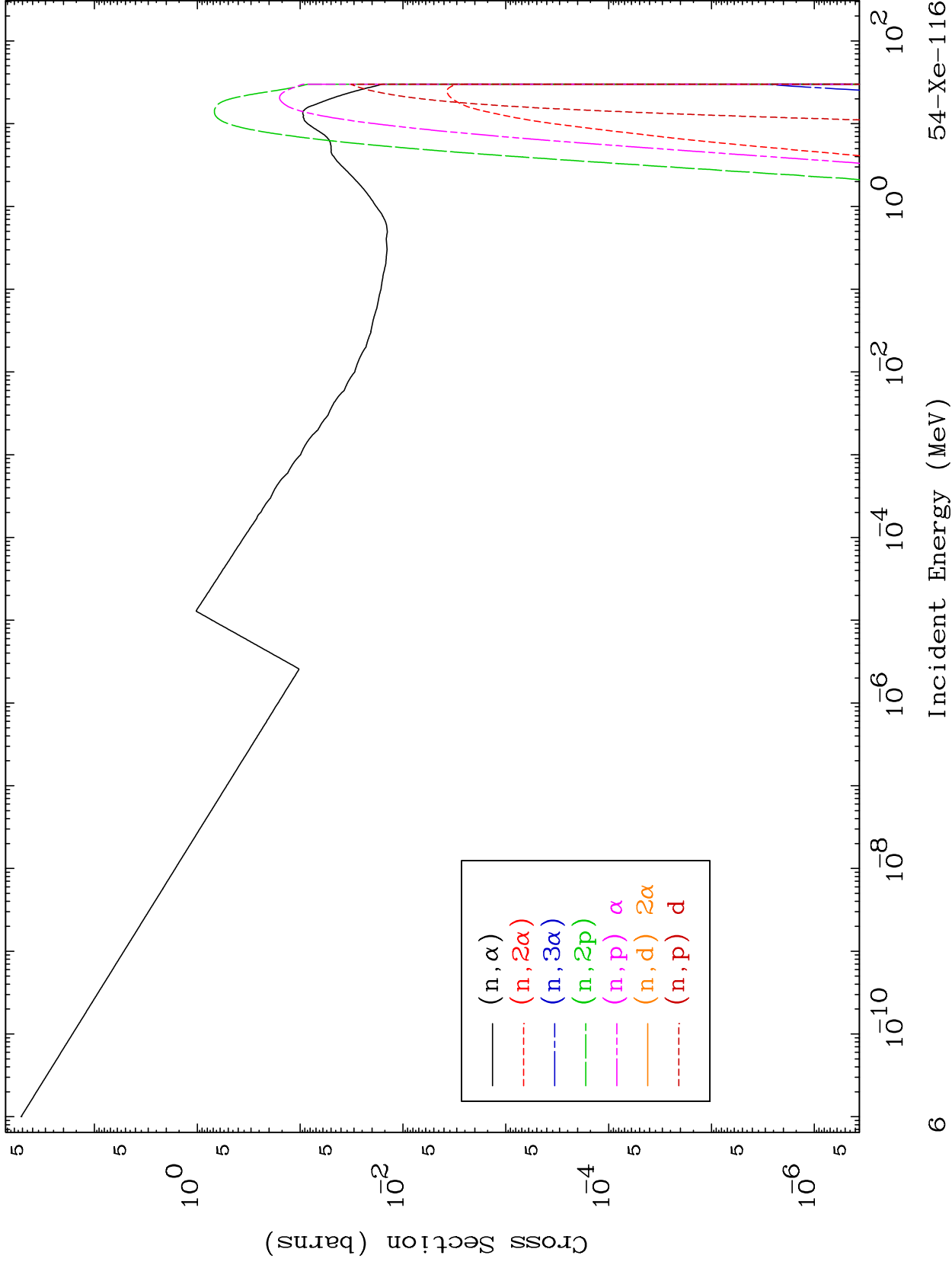
54-Xe-116



MAT 5401

Charged Particle
293 Kelvin Cross Sections

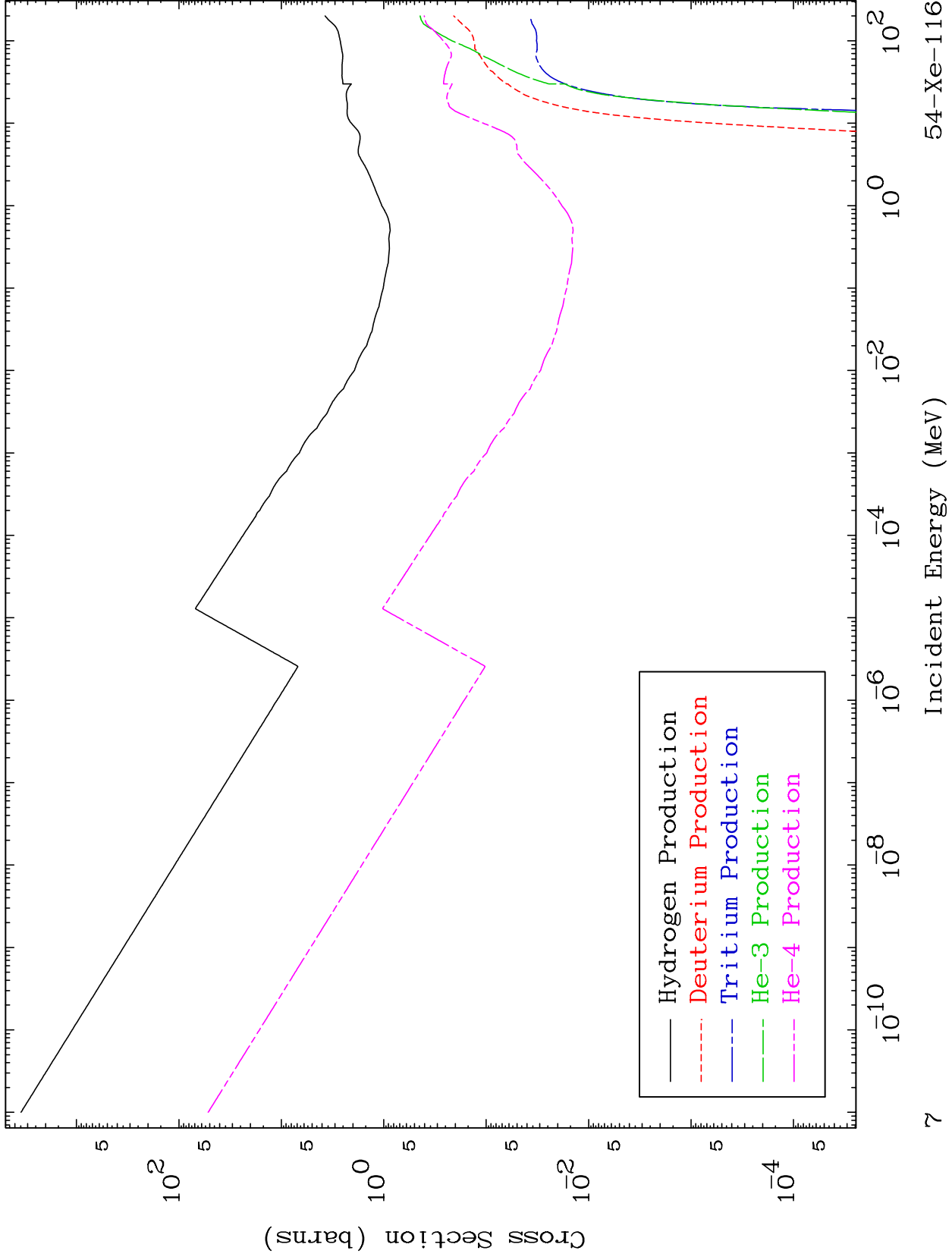
54-Xe-116



MAT 5401

Particle Production
293 Kelvin Cross Sections

54-Xe-116

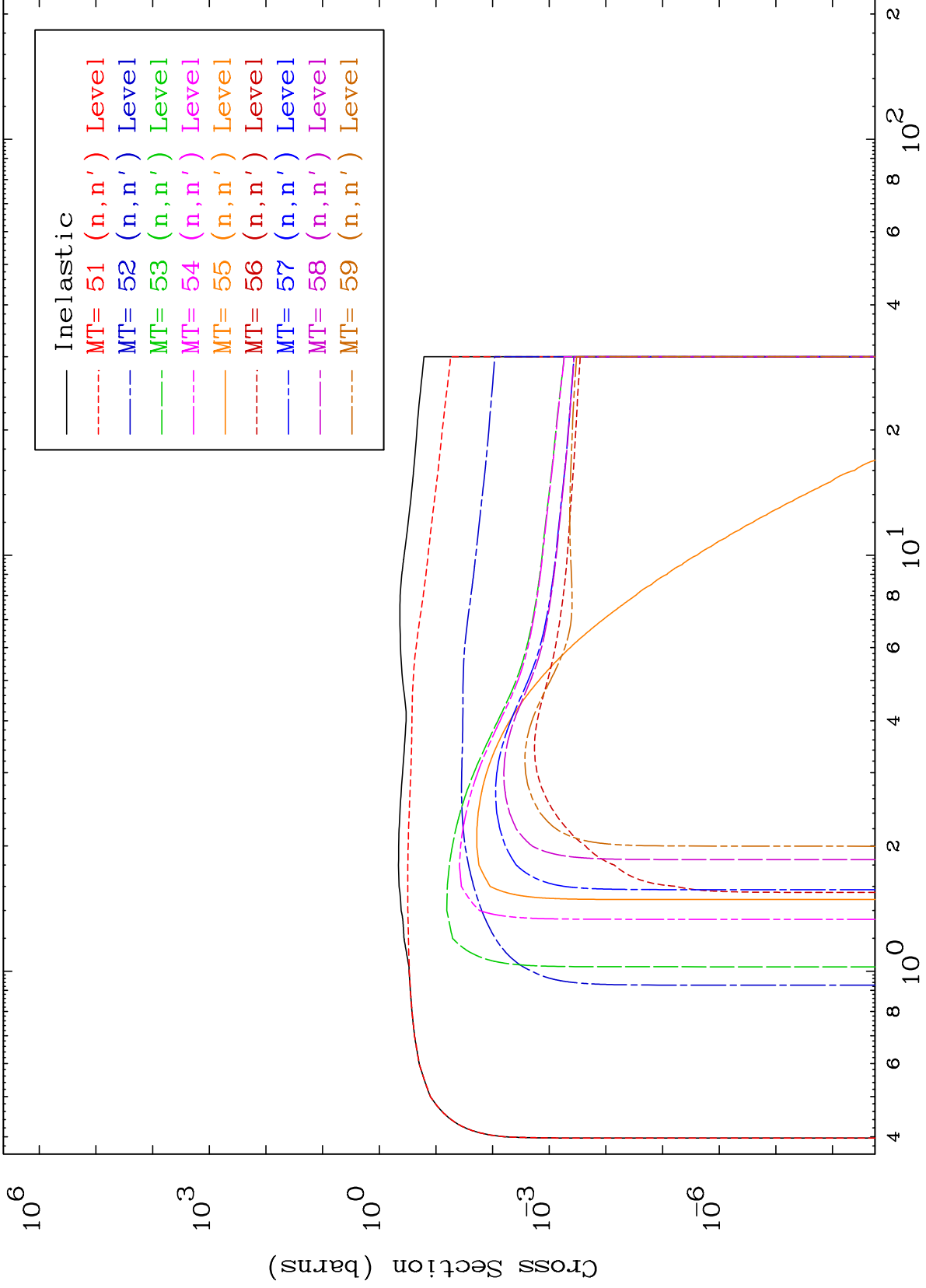


MAT 5401

(n,n') Level

54-Xe-116

293 Kelvin Cross Sections



8

Incident Energy (MeV)

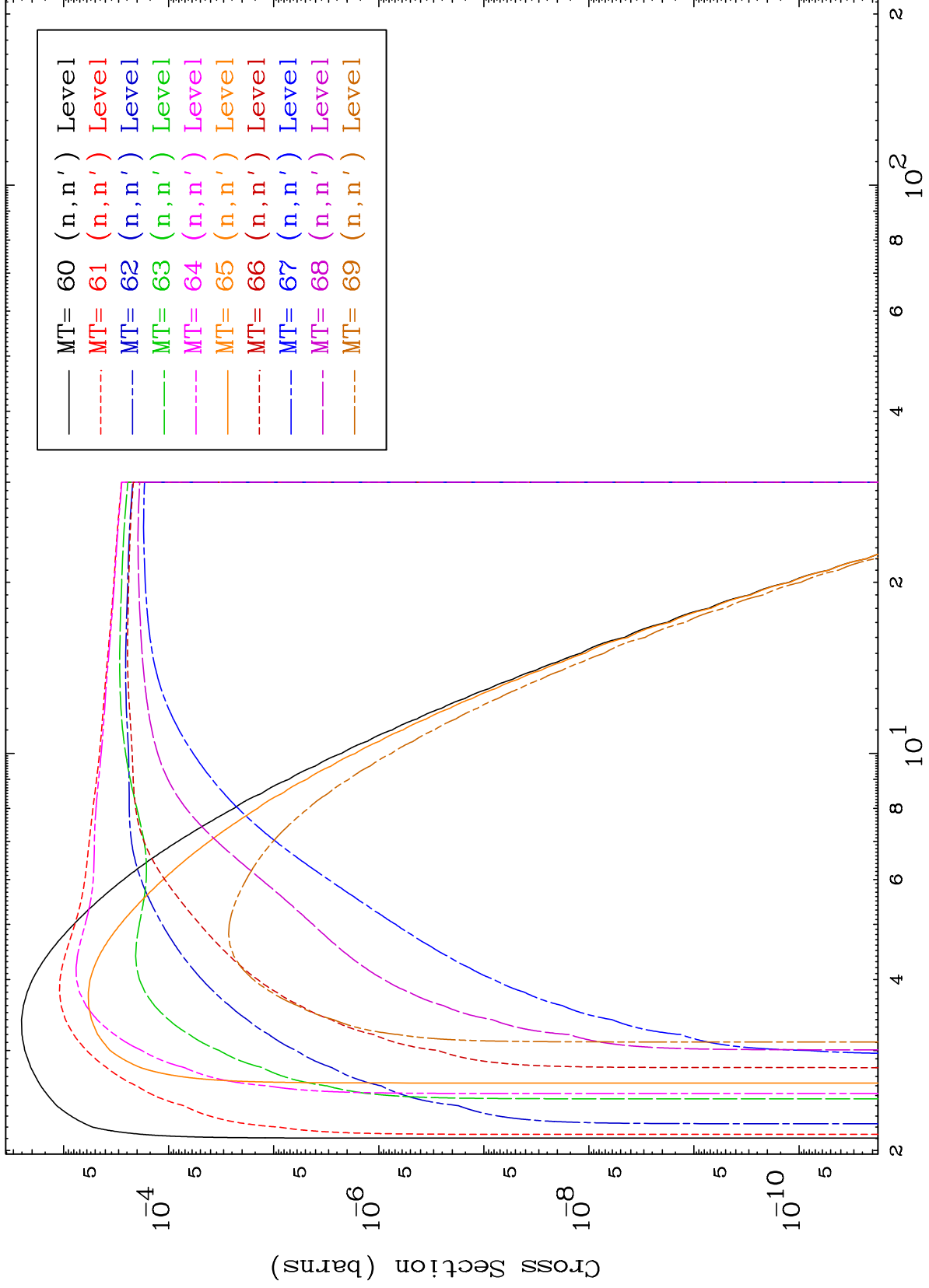
54-Xe-116

MAT 5401

(n,n') Level

54-Xe-116

293 Kelvin Cross Sections



9

Incident Energy (MeV)

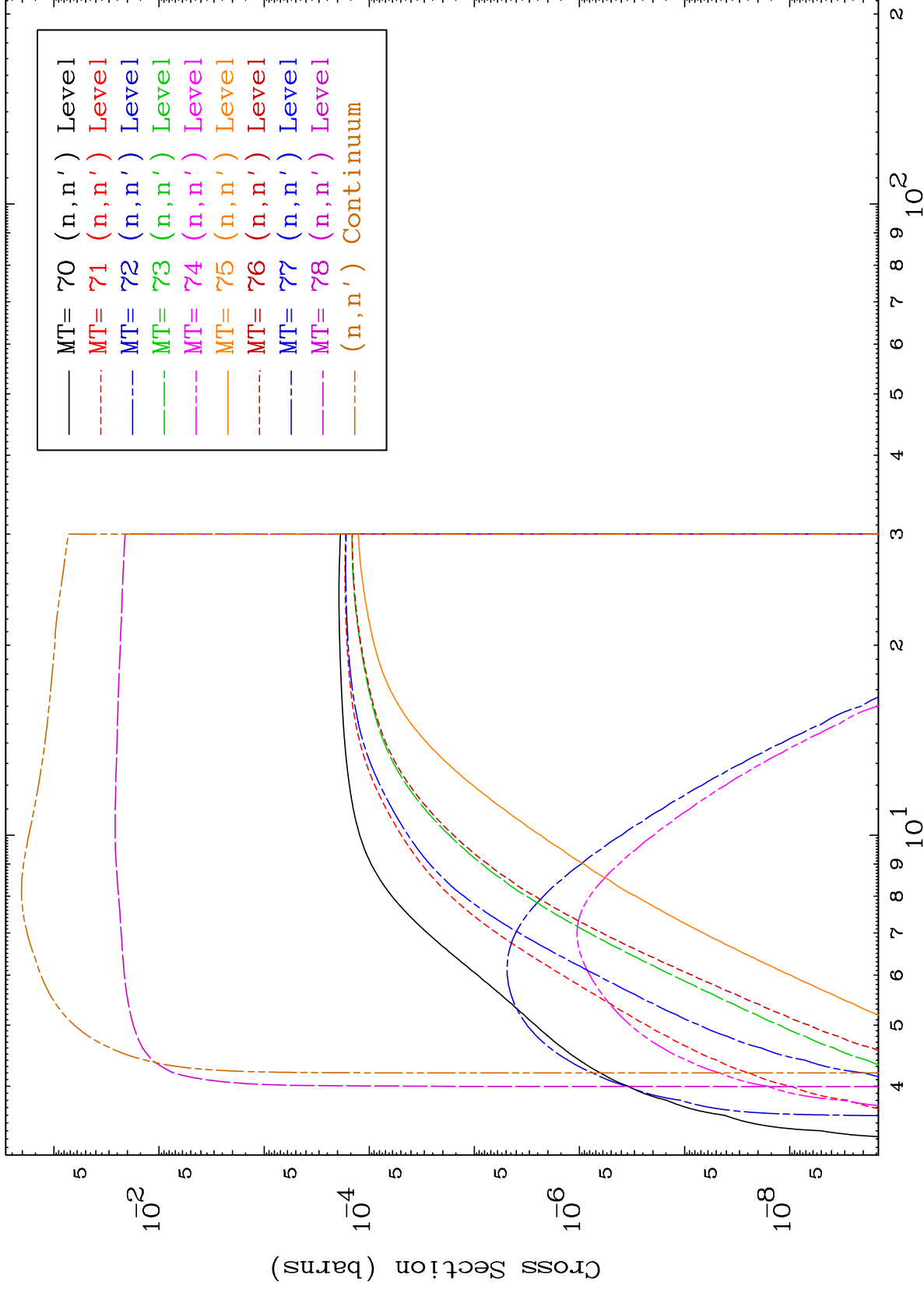
54-Xe-116

MAT 5401

(n,n') Level

54-Xe-116

293 Kelvin Cross Sections



10

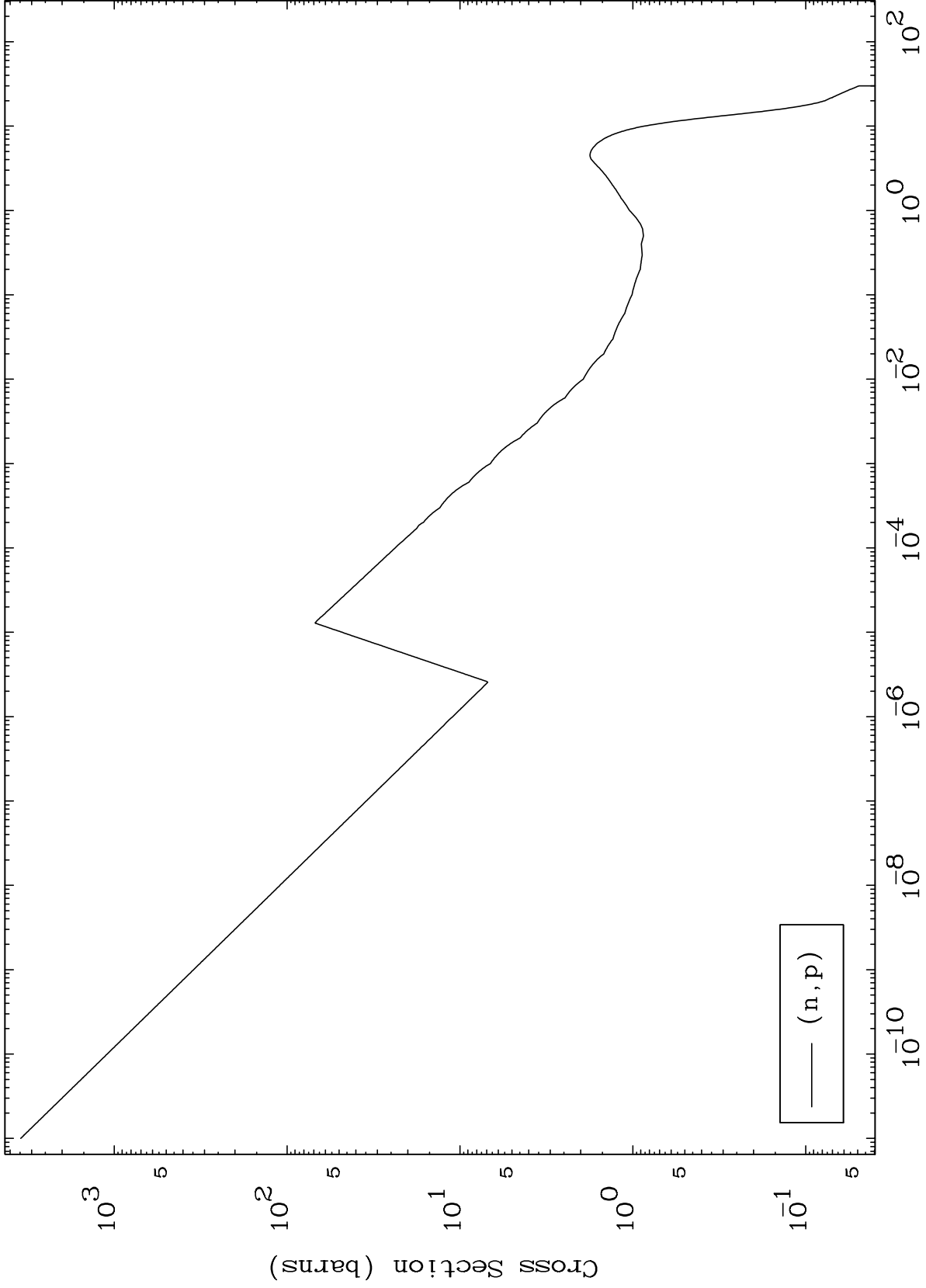
Incident Energy (MeV)

54-Xe-116

MAT 5401

(n,p) Levels
293 Kelvin Cross Sections

54-Xe-116



11

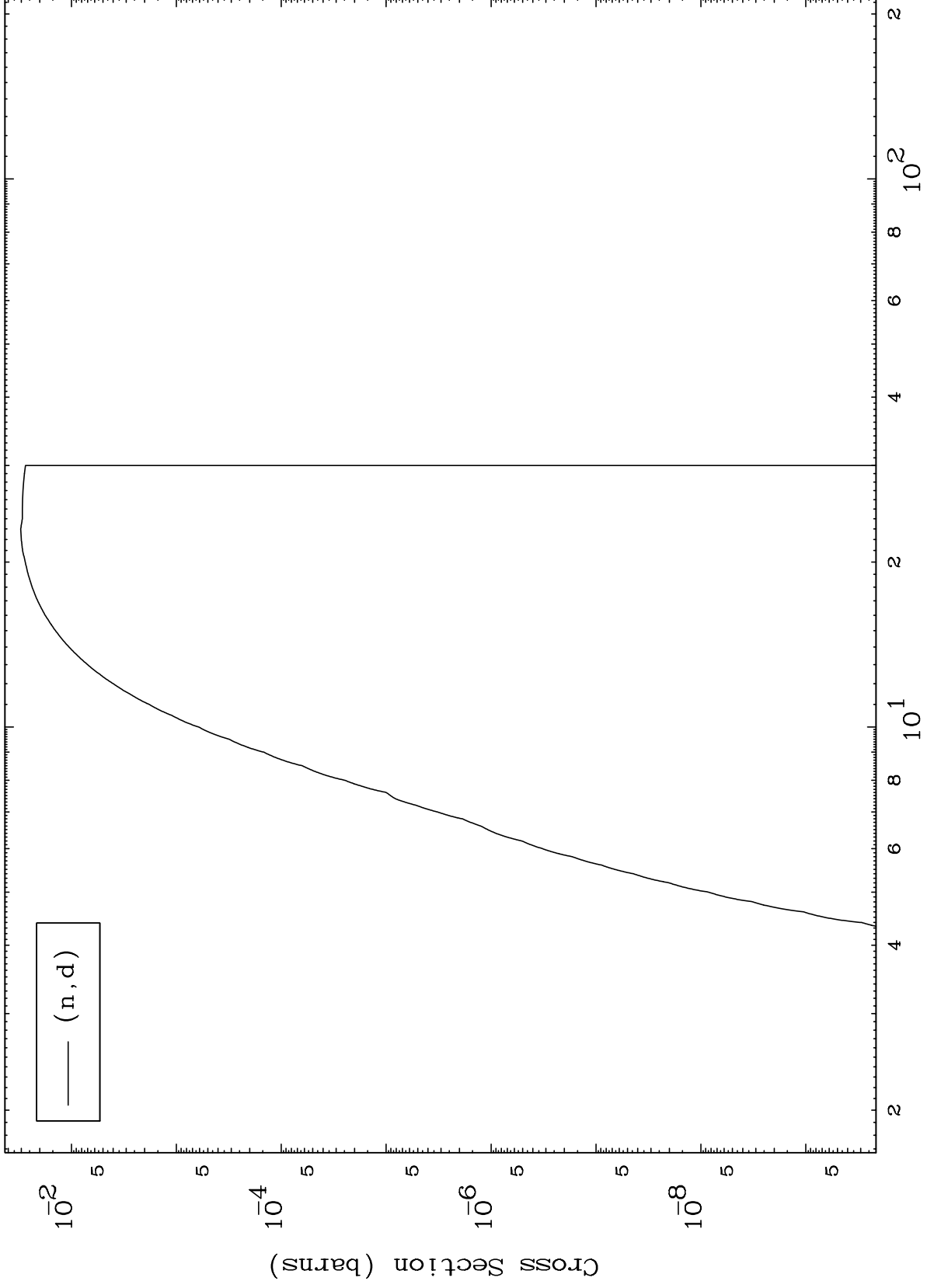
Incident Energy (MeV)

54-Xe-116

MAT 5401

(n,d) Levels
293 Kelvin Cross Sections

54-Xe-116



12

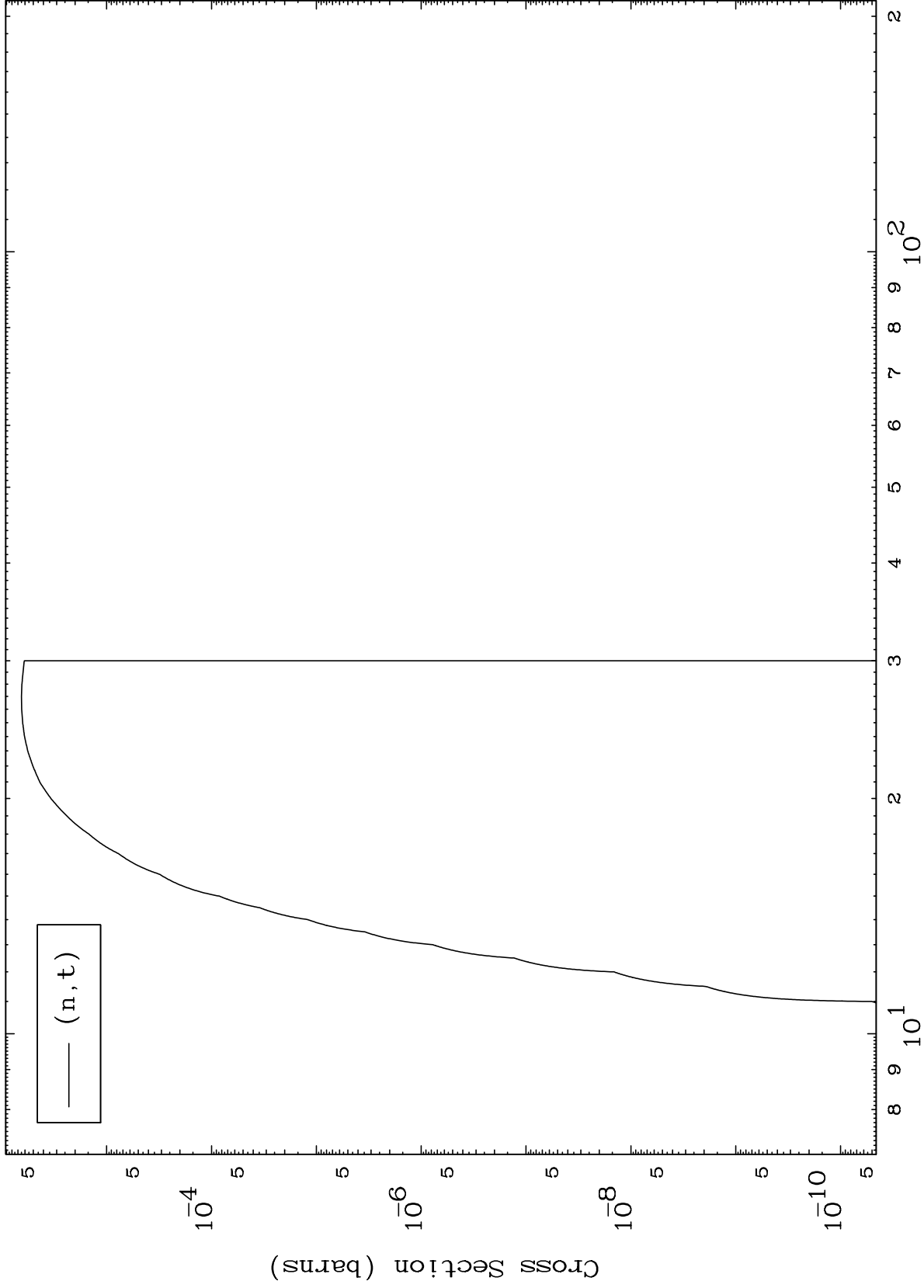
Incident Energy (MeV)

54-Xe-116

MAT 5401

(n,t) Levels
293 Kelvin Cross Sections

54-Xe-116



13

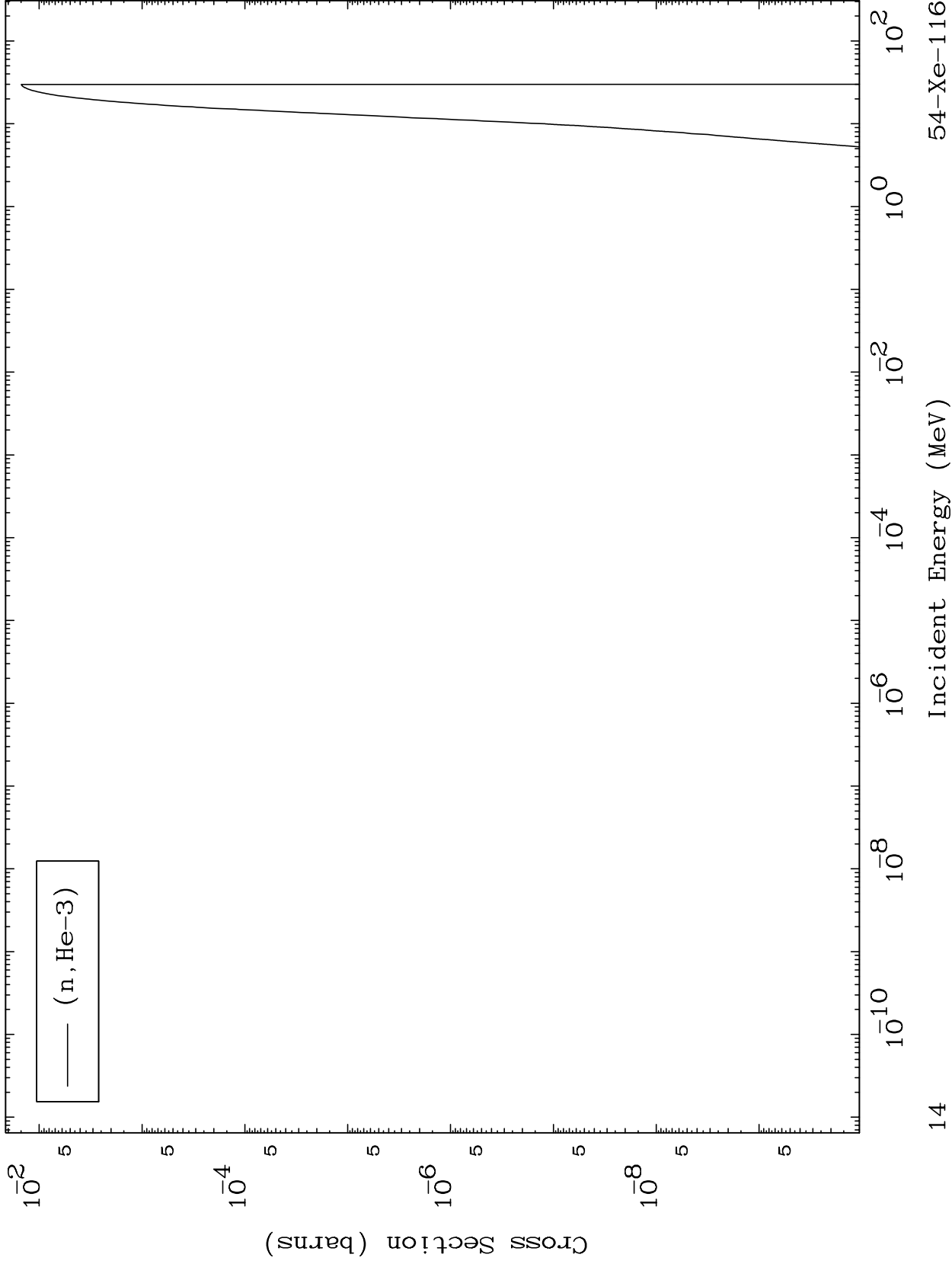
Incident Energy (MeV)

54-Xe-116

MAT 5401

(n,He3) Levels
293 Kelvin Cross Sections

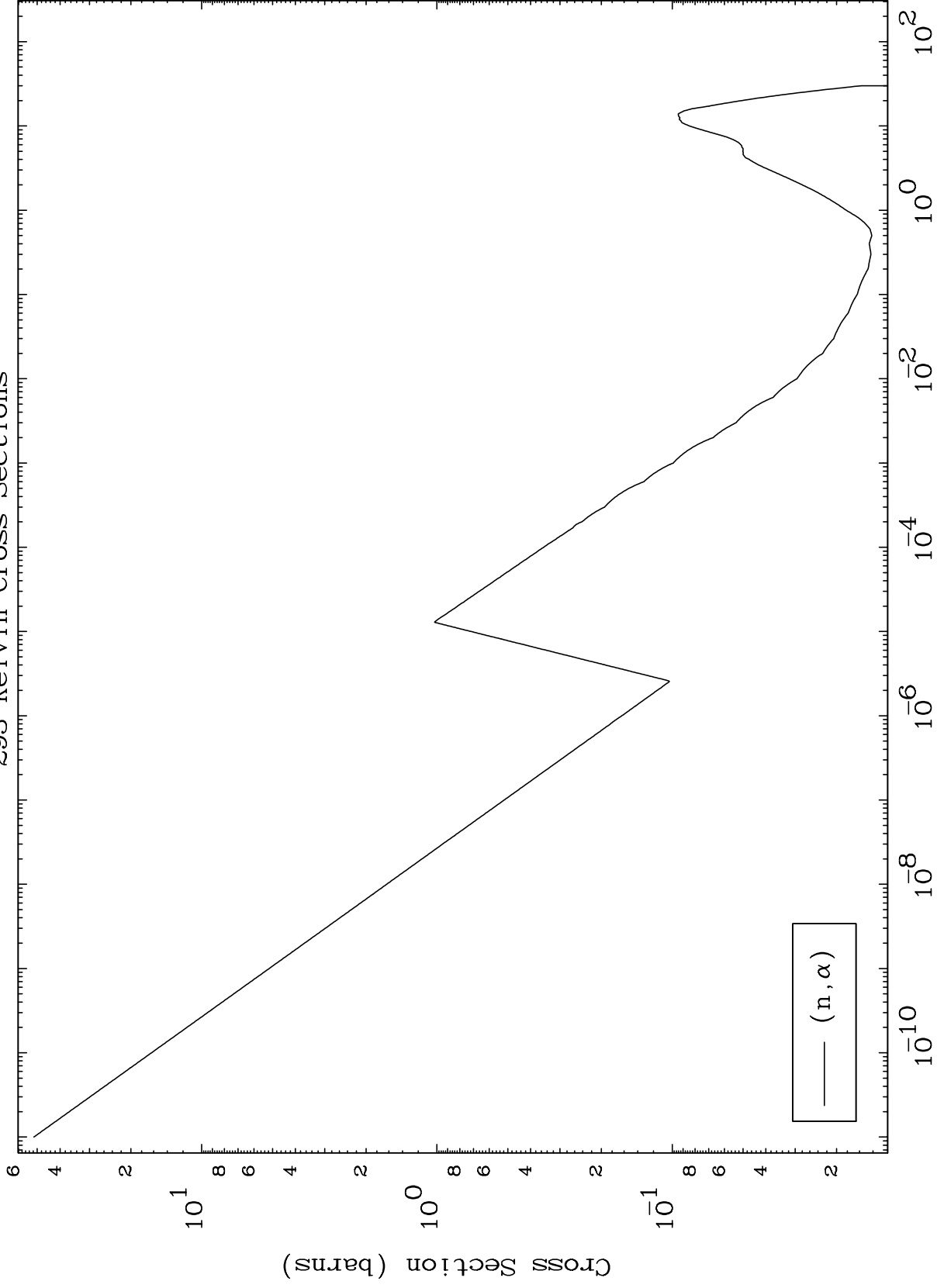
54-Xe-116



MAT 5401

(n,α) Levels
293 Kelvin Cross Sections

54-Xe-116

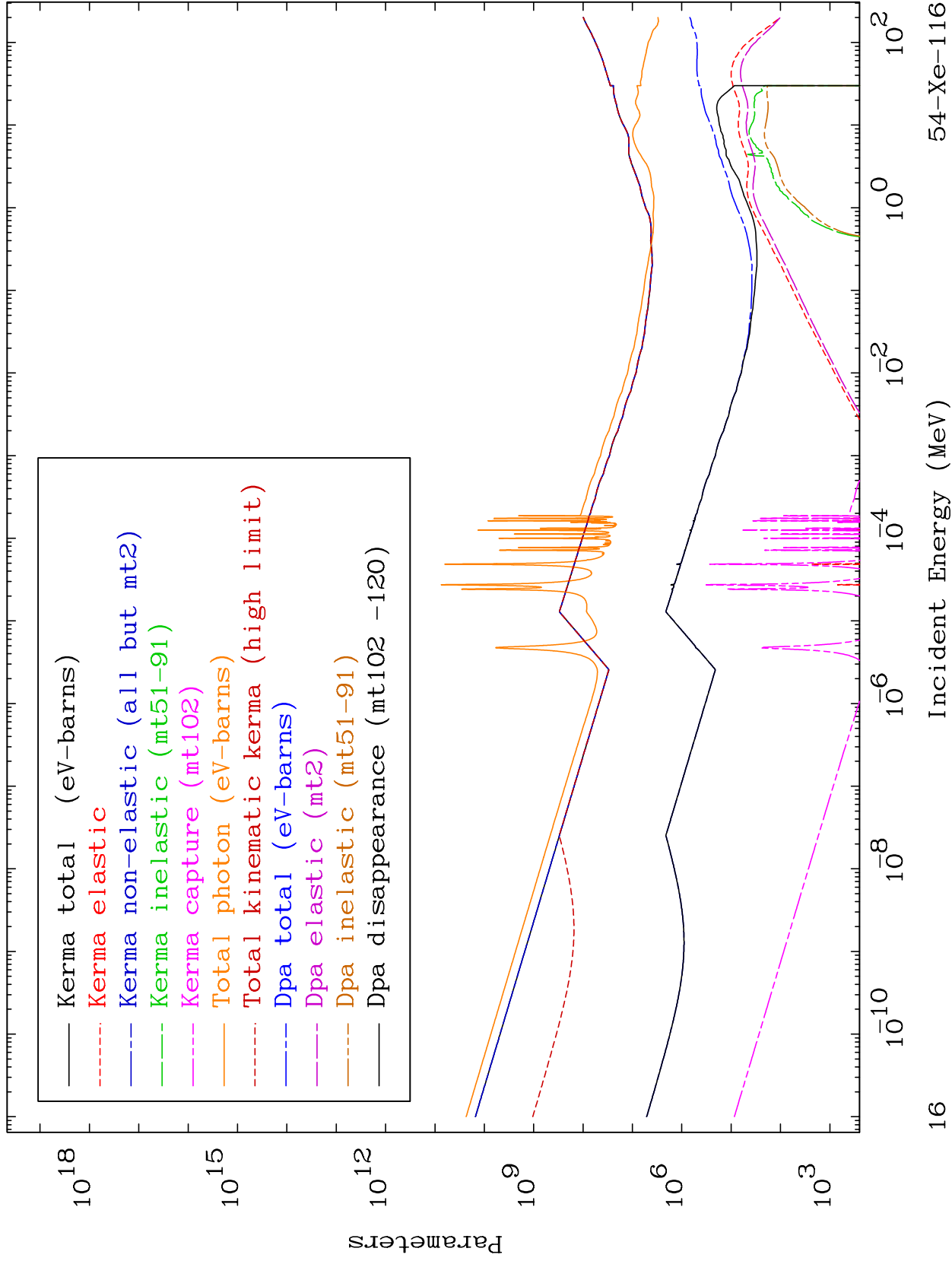


(n,α)

15

Incident Energy (MeV)

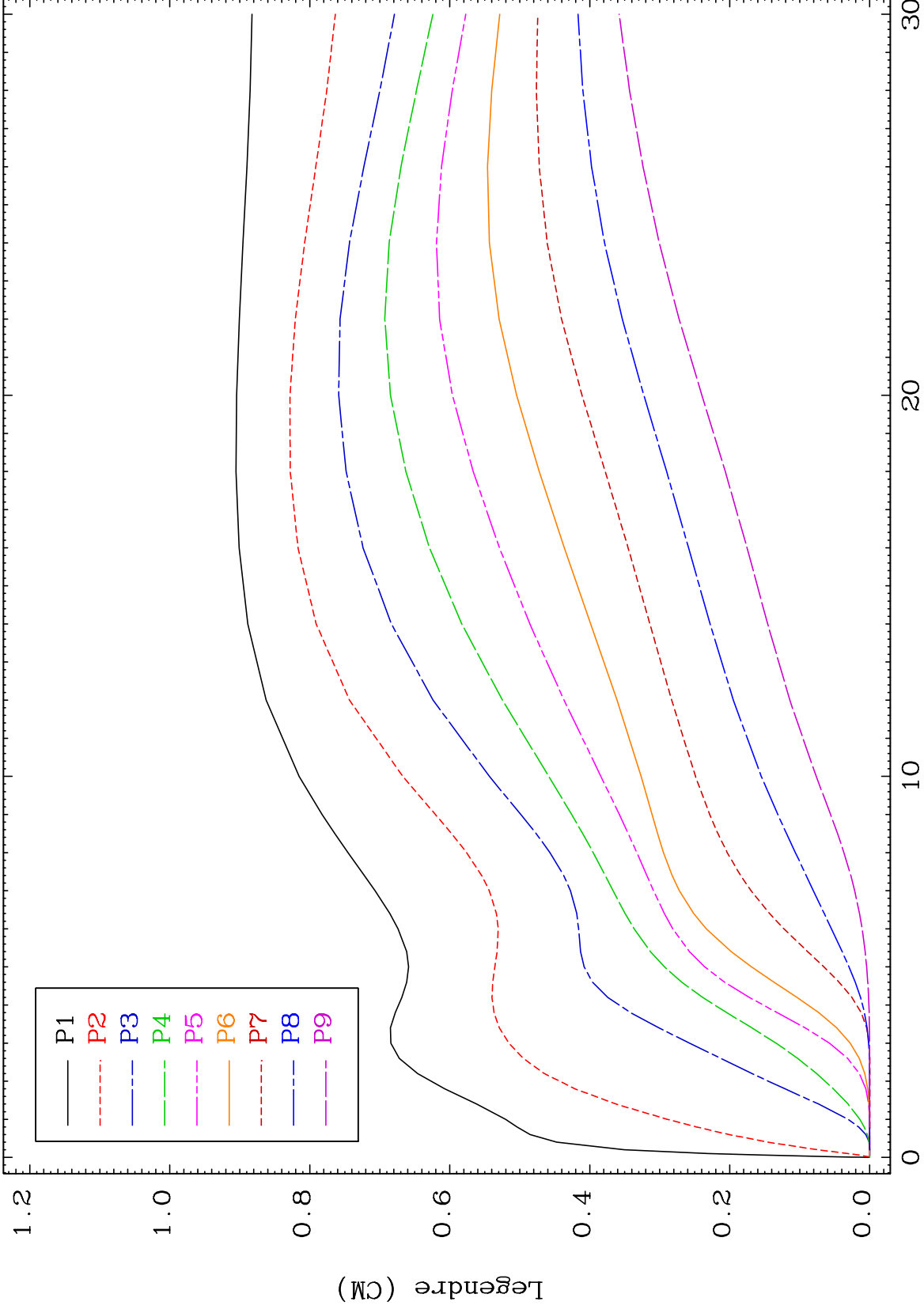
54-Xe-116



MAT 5401

Elastic Legendre Coefficients

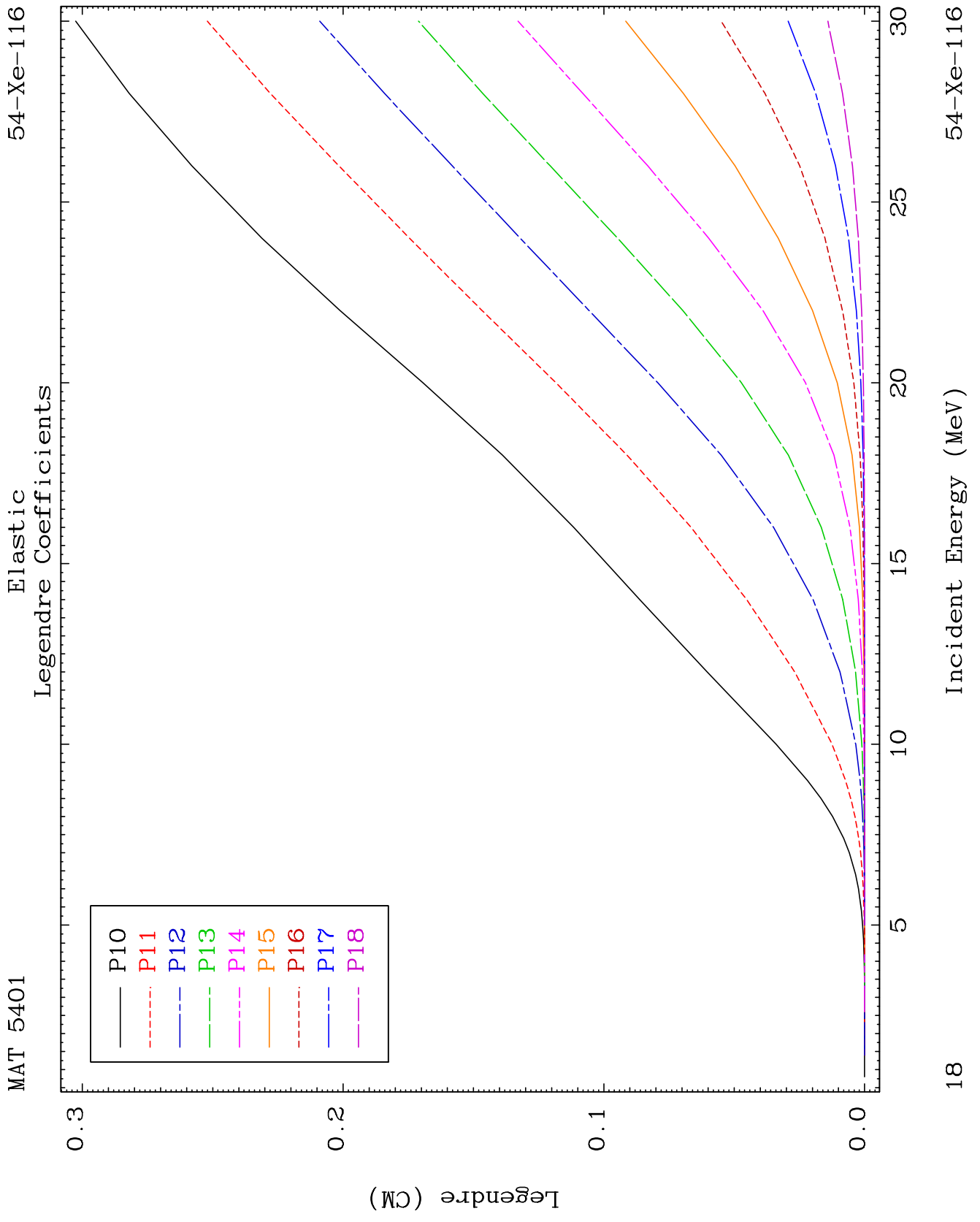
54-Xe-116



17

Incident Energy (MeV)

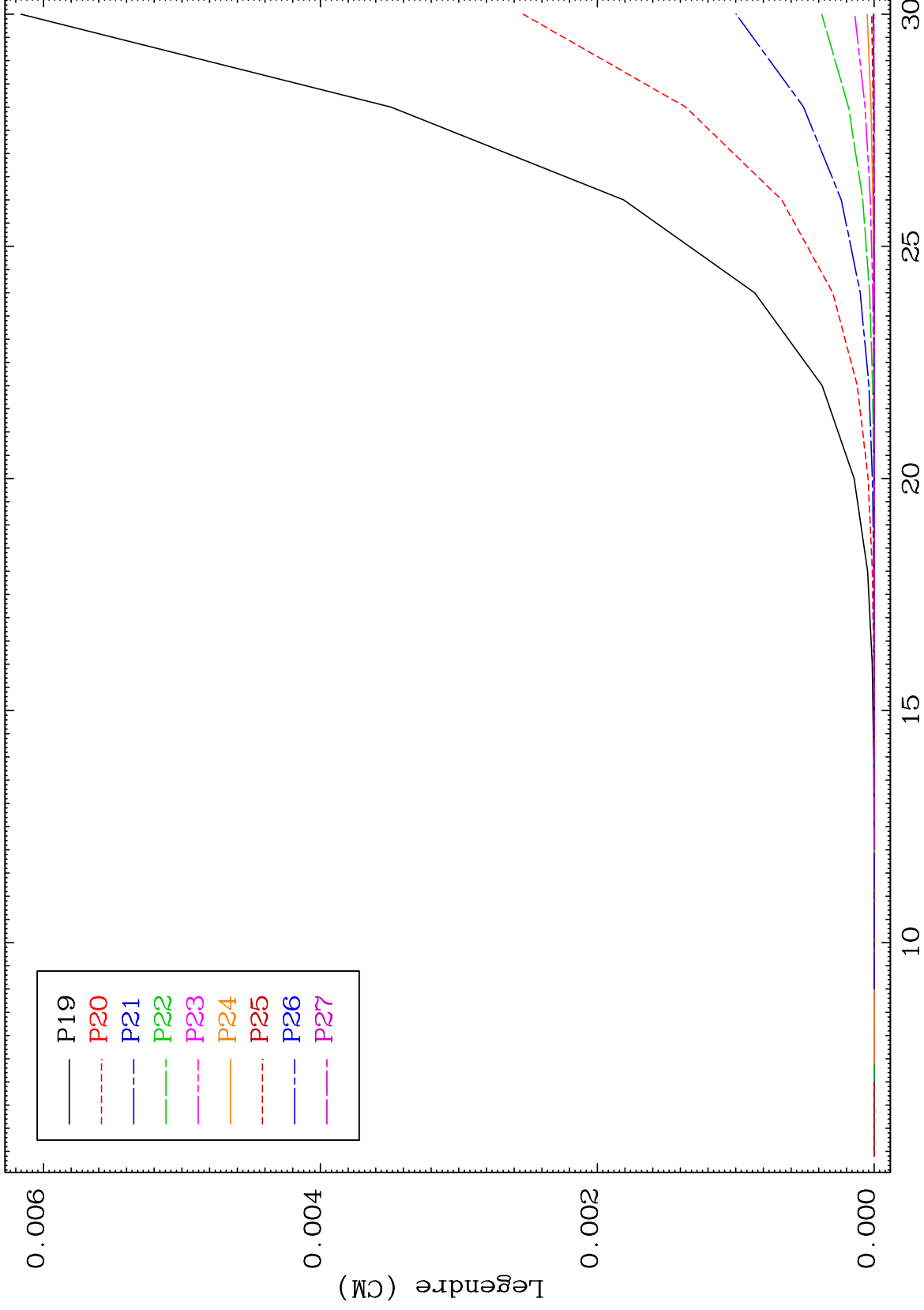
54-Xe-116



MAT 5401

Elastic
Legendre Coefficients

54-Xe-116



19

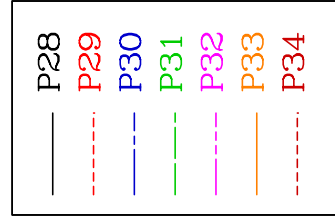
Incident Energy (MeV)

54-Xe-116

MAT 5401

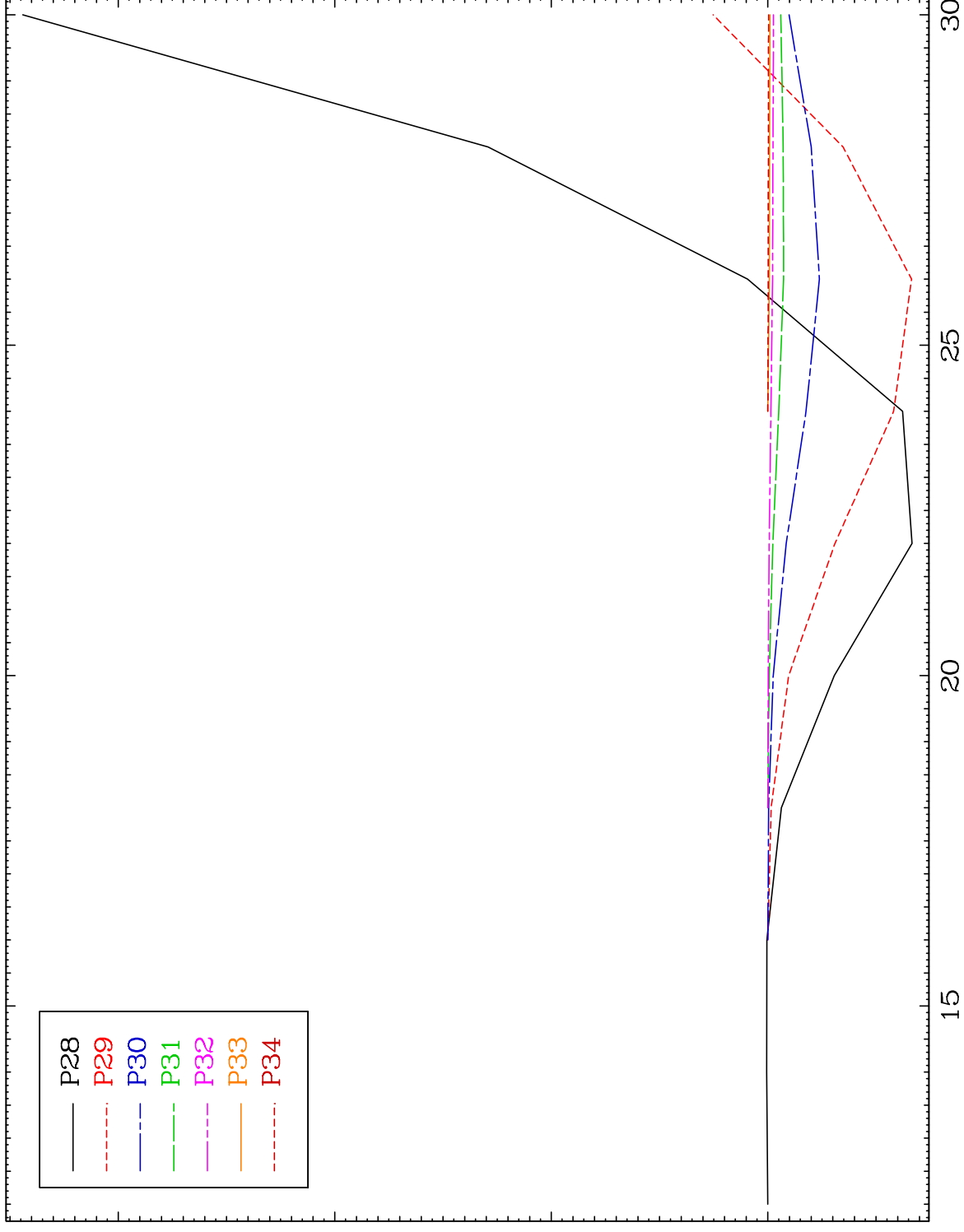
Elastic Legendre Coefficients

54-Xe-116



$\times 10^{-7}$

Legendre (CM)



20

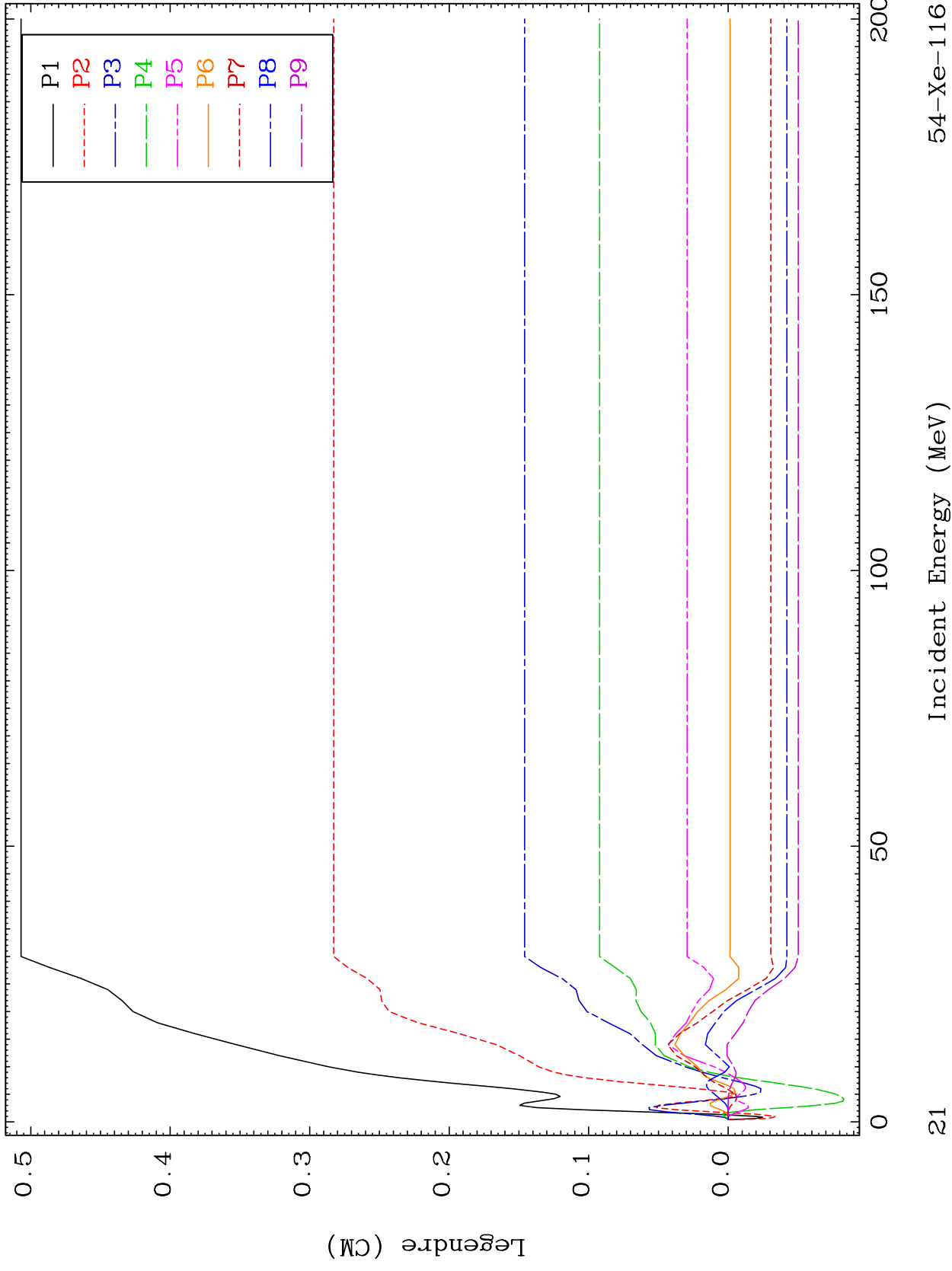
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

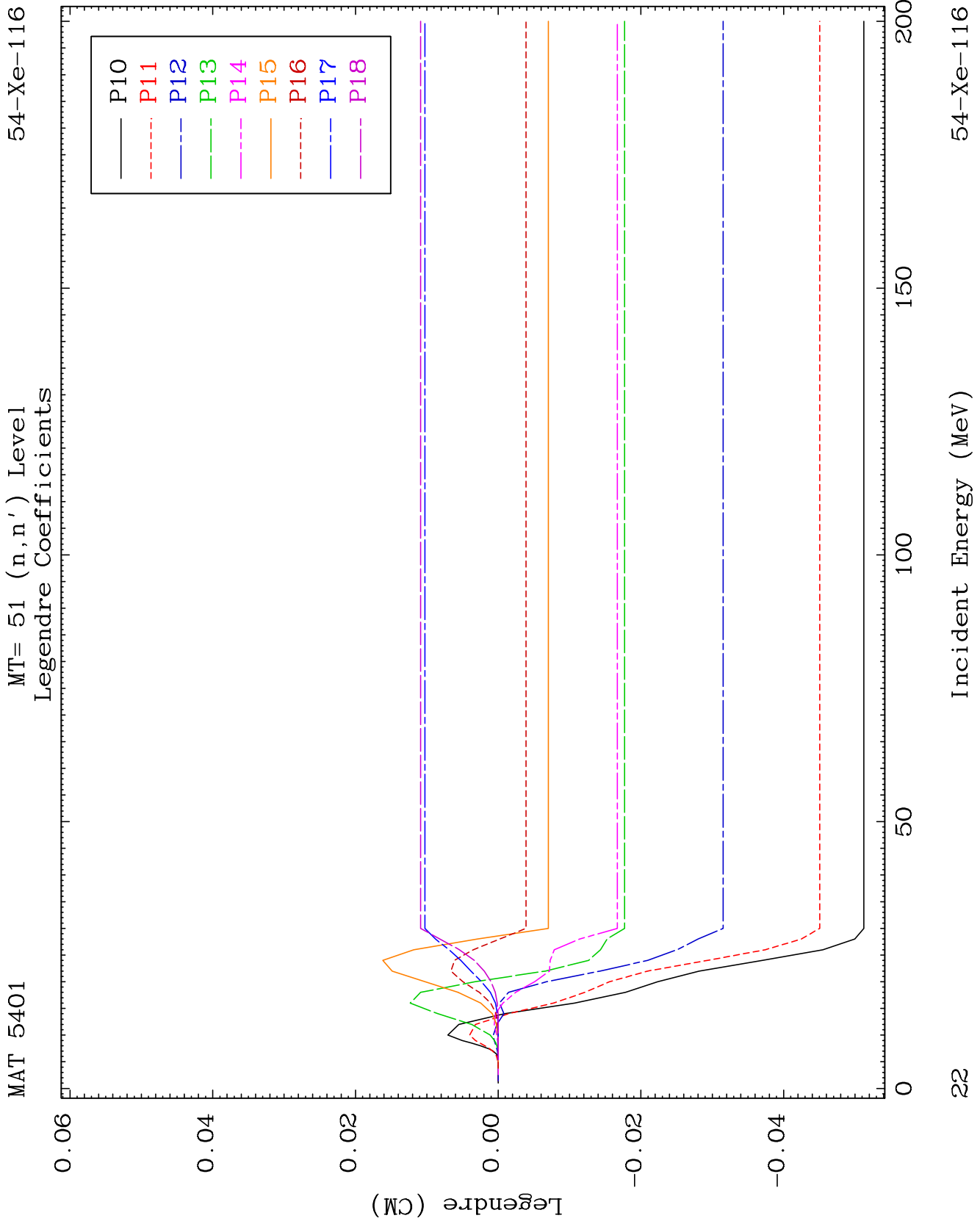
54-Xe-116



54-Xe-116

Incident Energy (MeV)

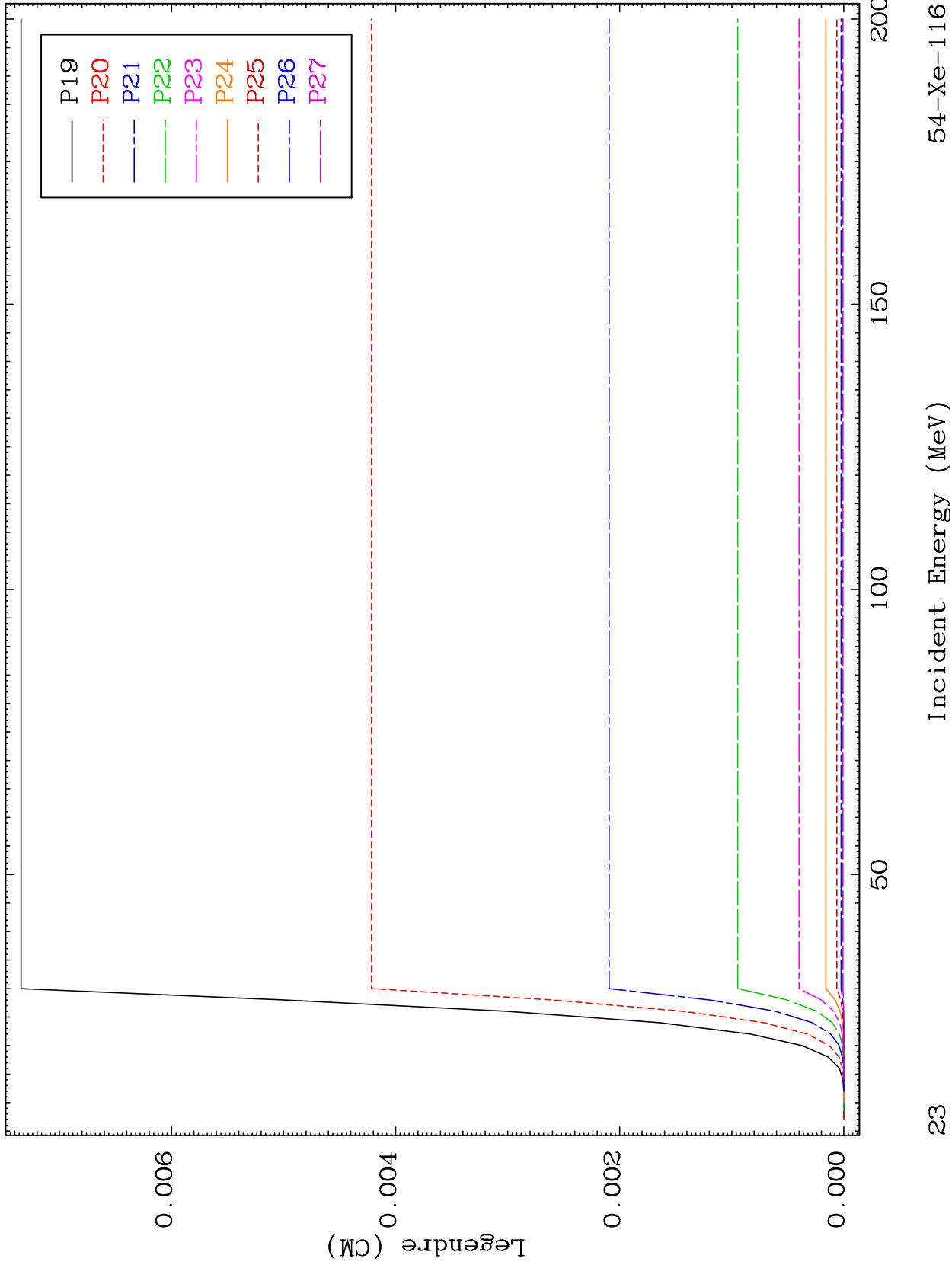
21



MAT 5401

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

54-Xe-116



23

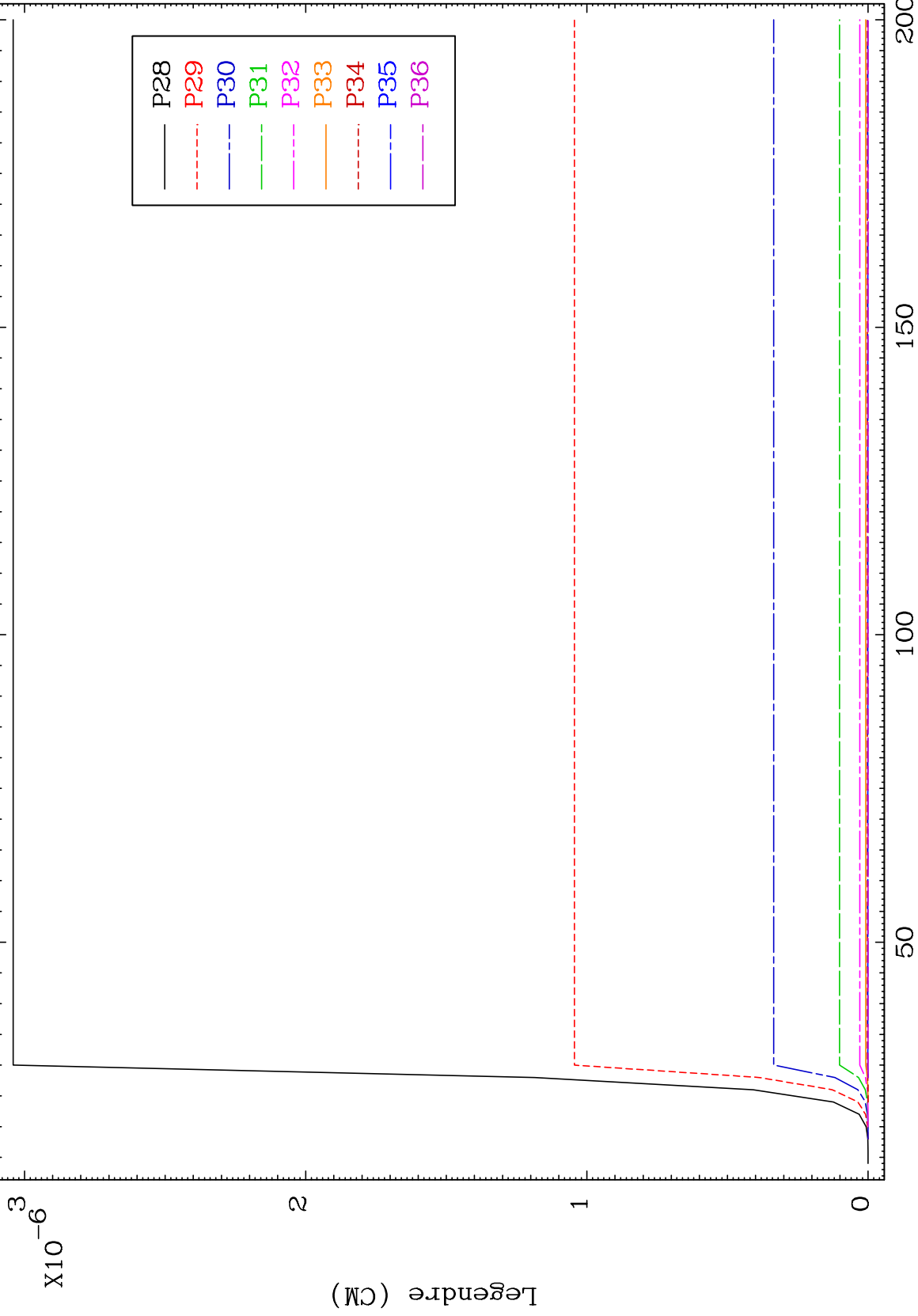
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



24

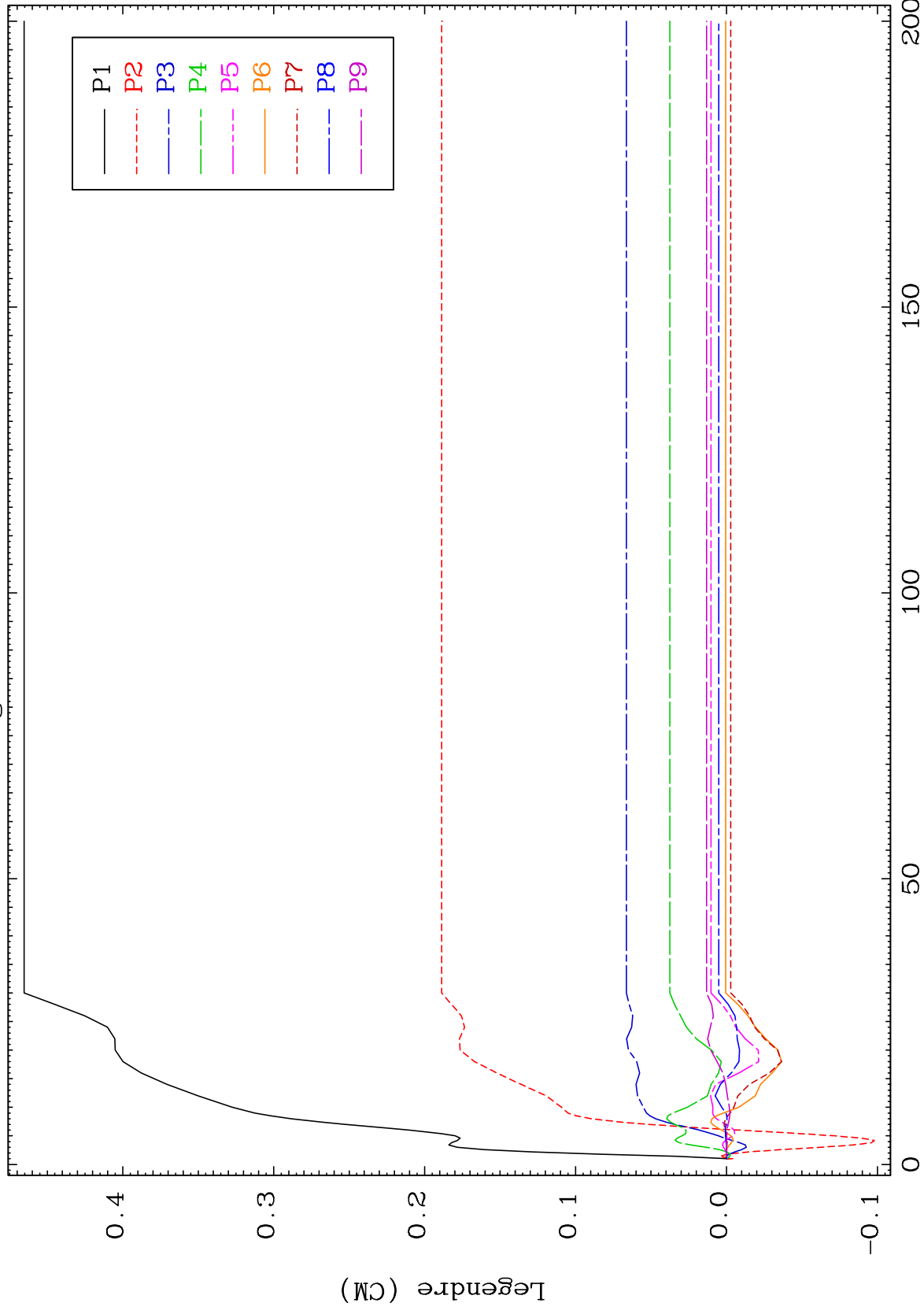
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



54-Xe-116

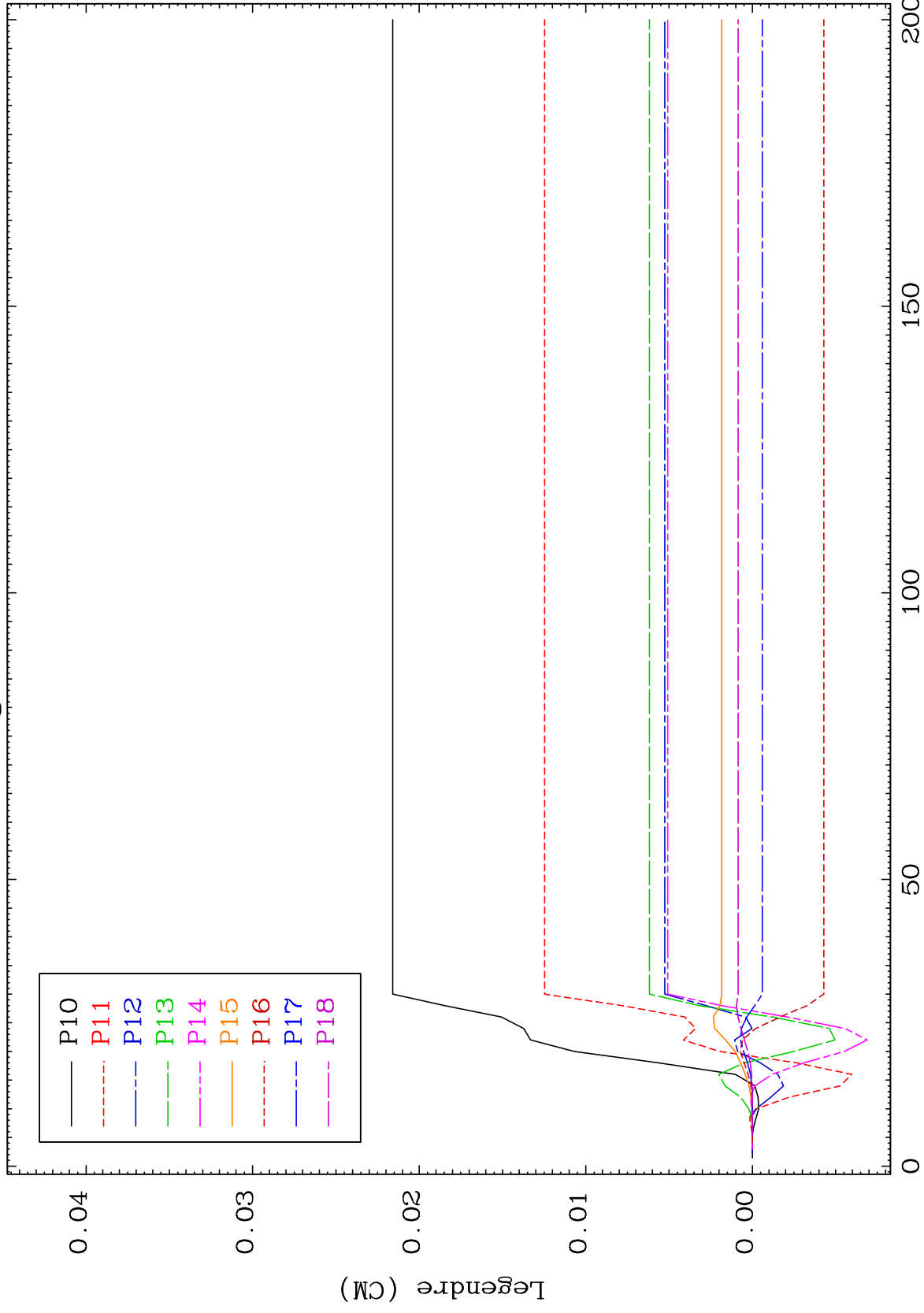
Incident Energy (MeV)

25

MAT 5401

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

54-Xe-116



26

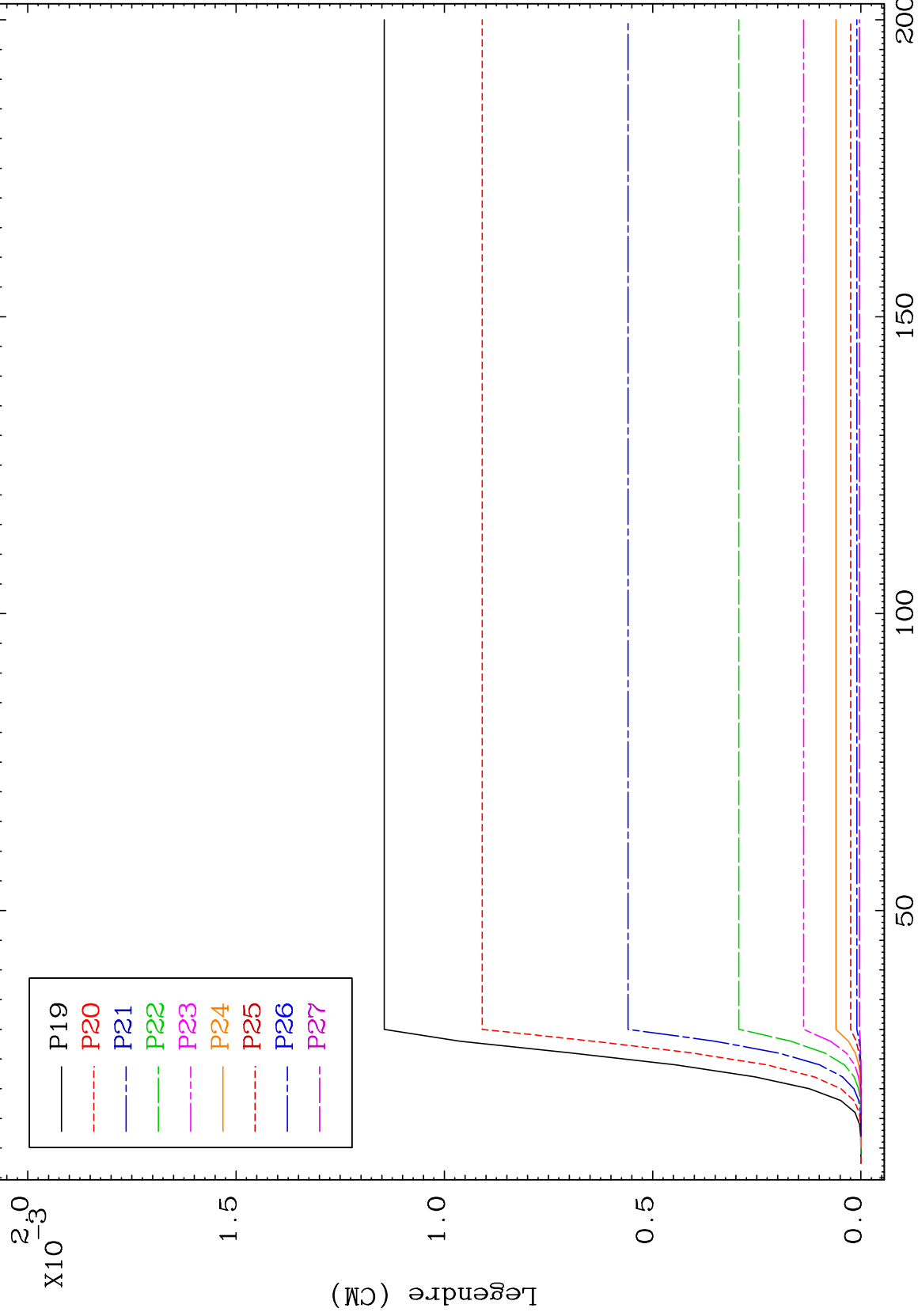
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



27

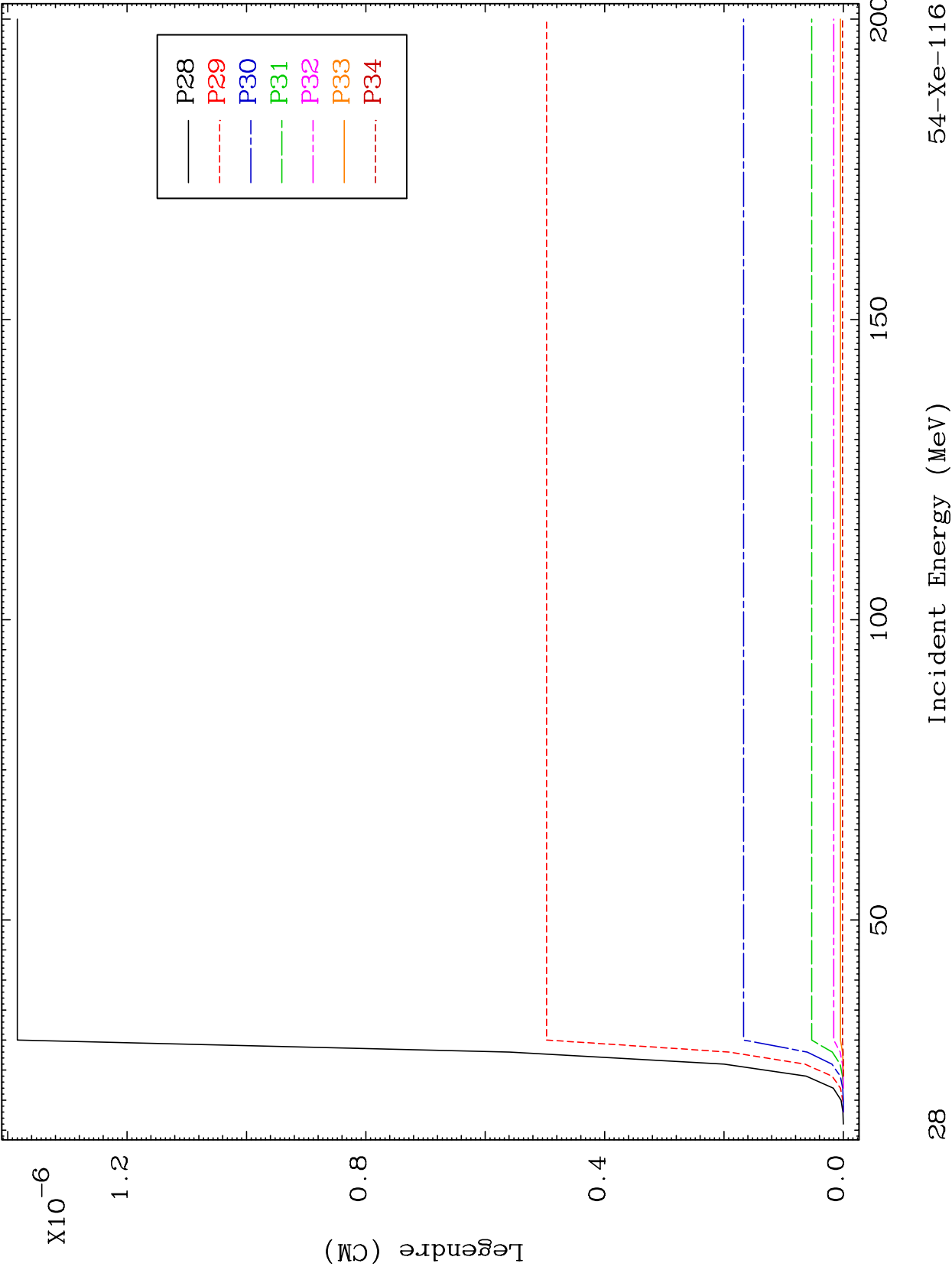
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



28

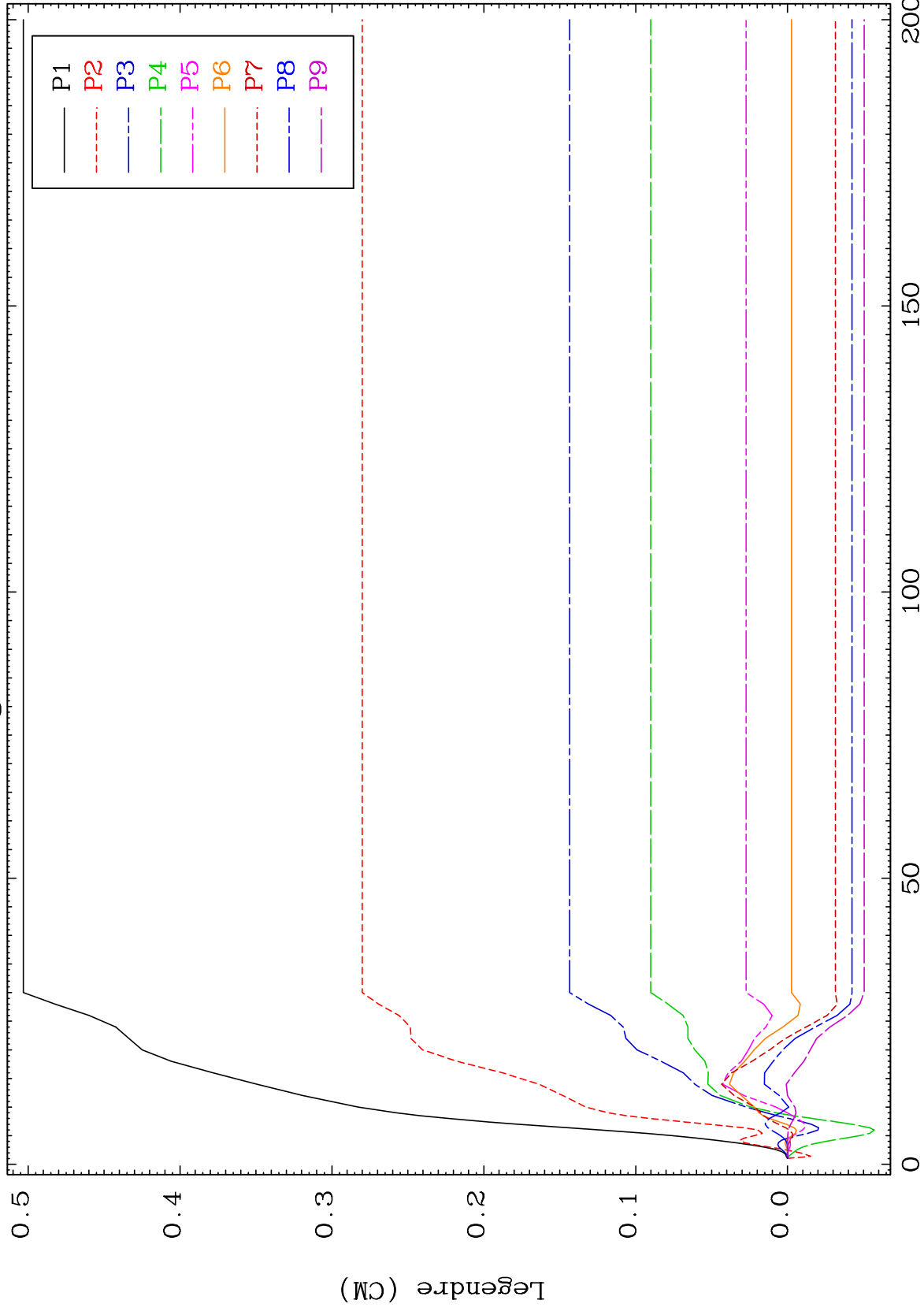
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

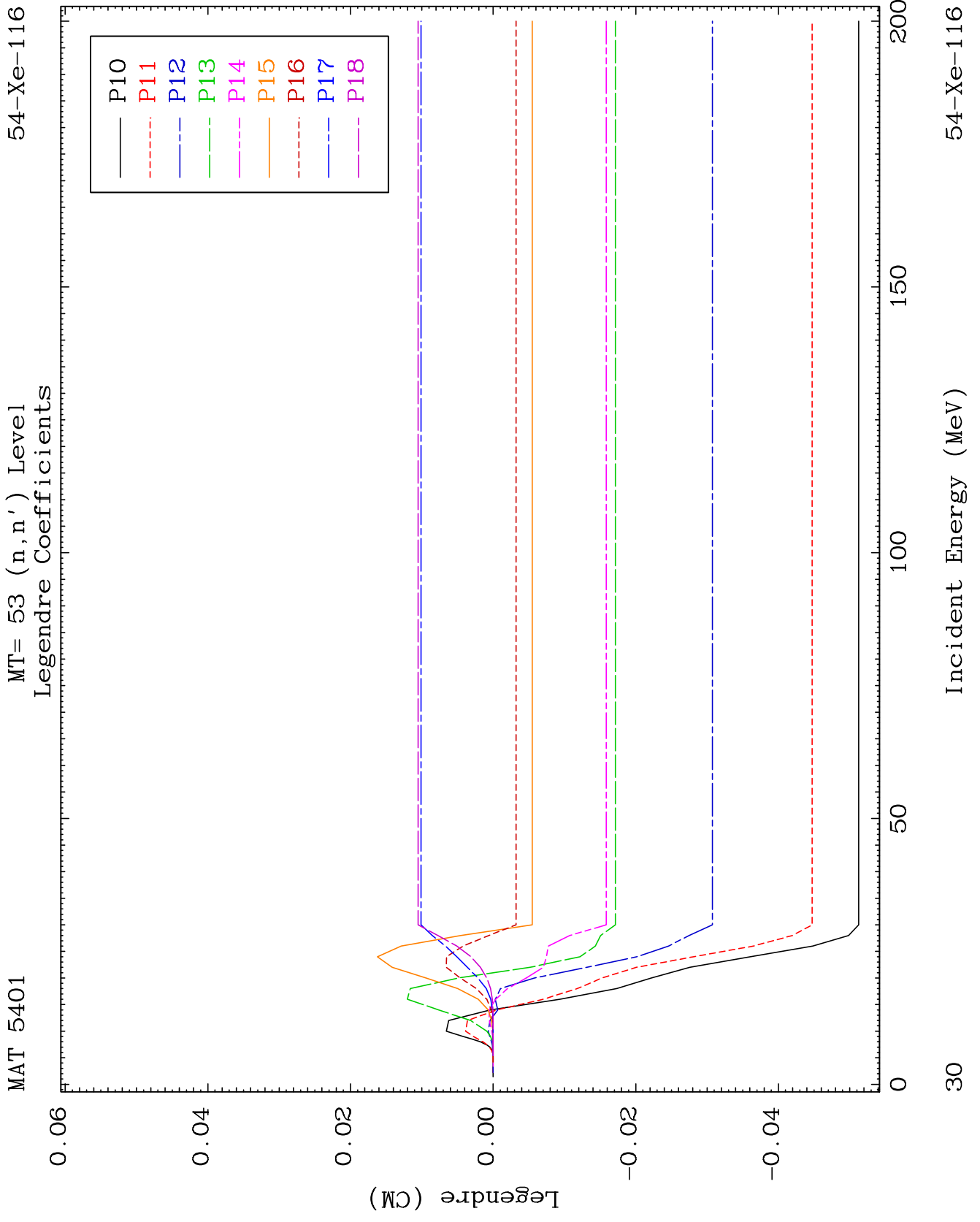
54-Xe-116



29

Incident Energy (MeV)

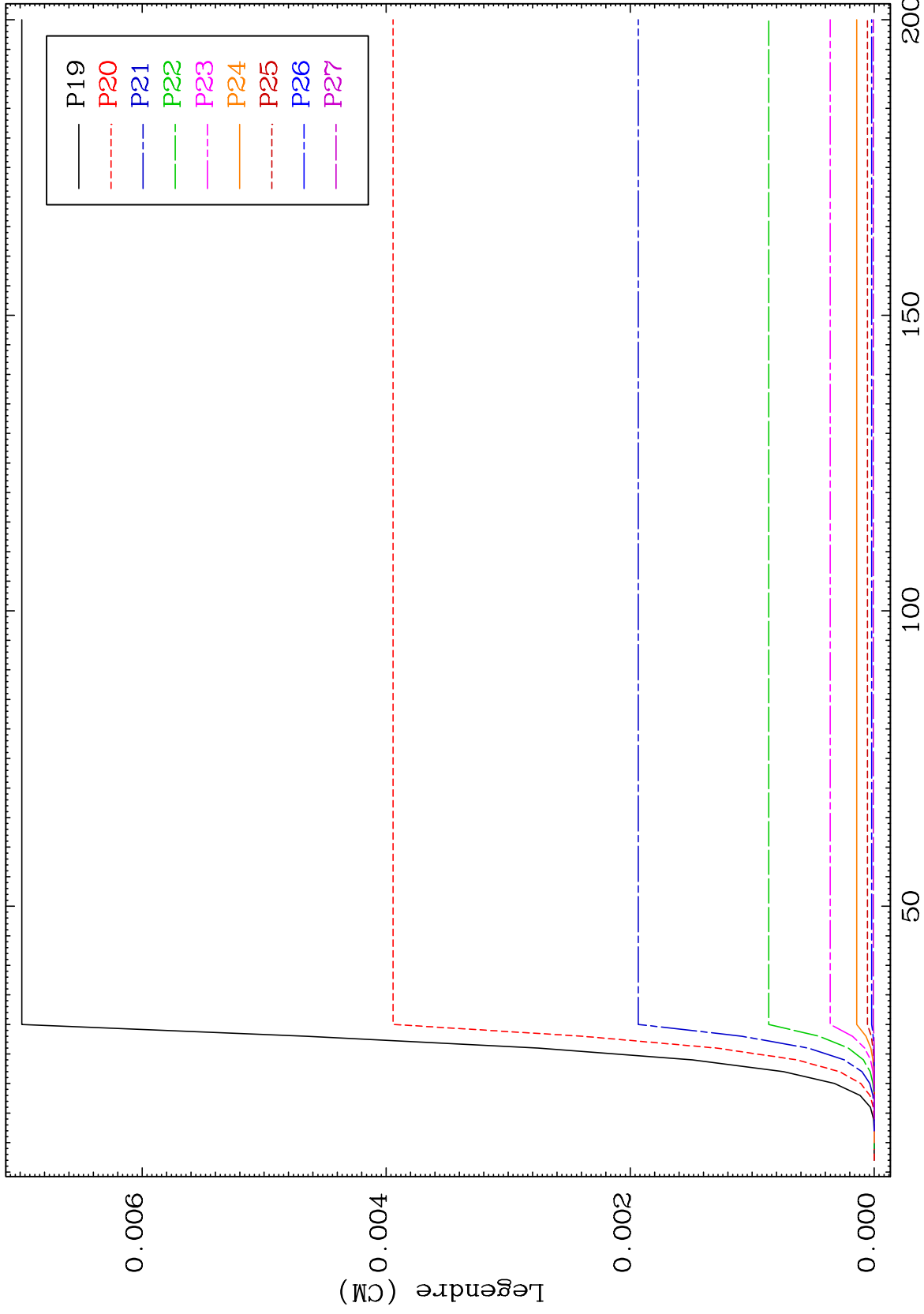
54-Xe-116



MAT 5401

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

54-Xe-116



31

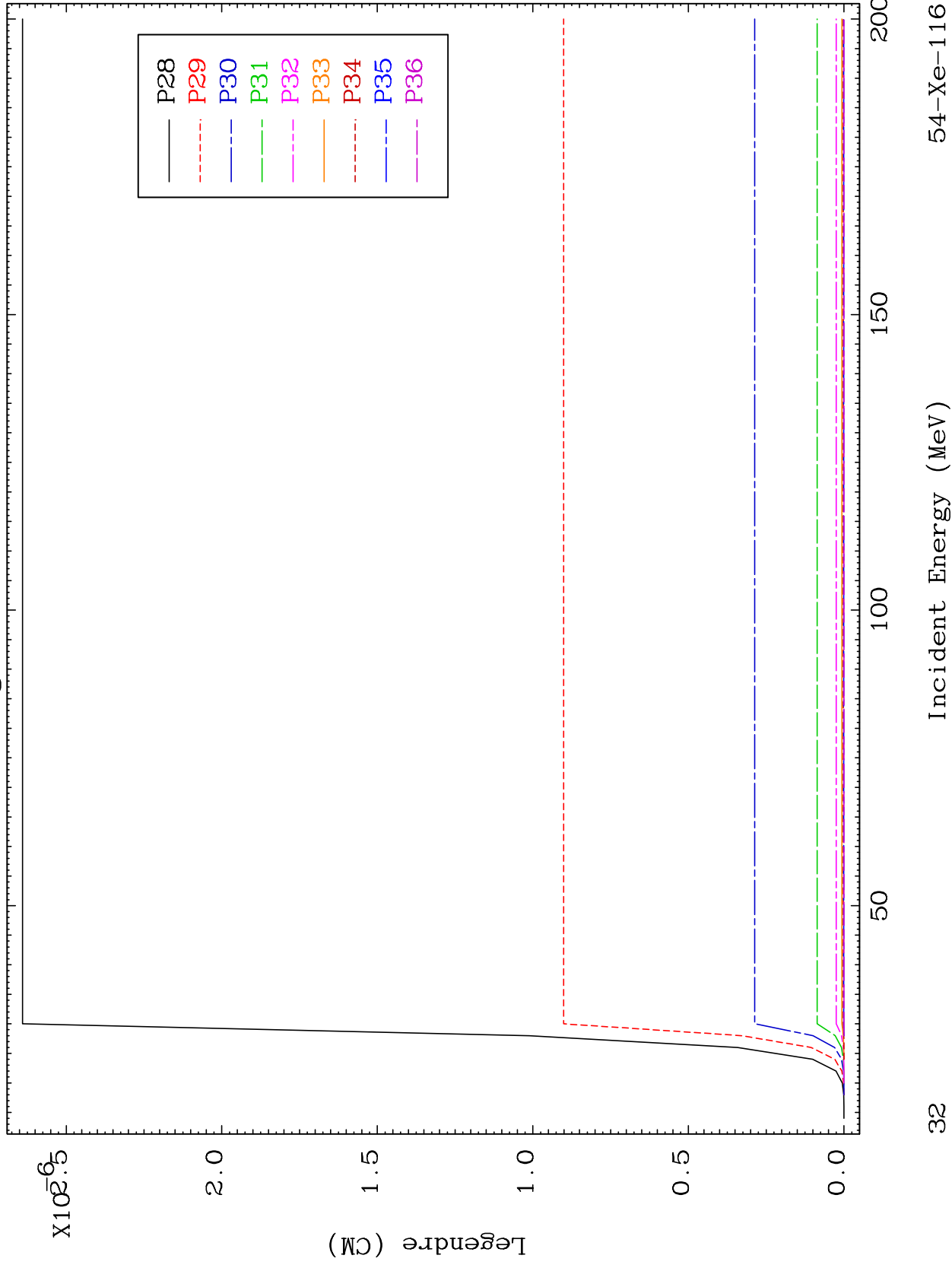
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



32

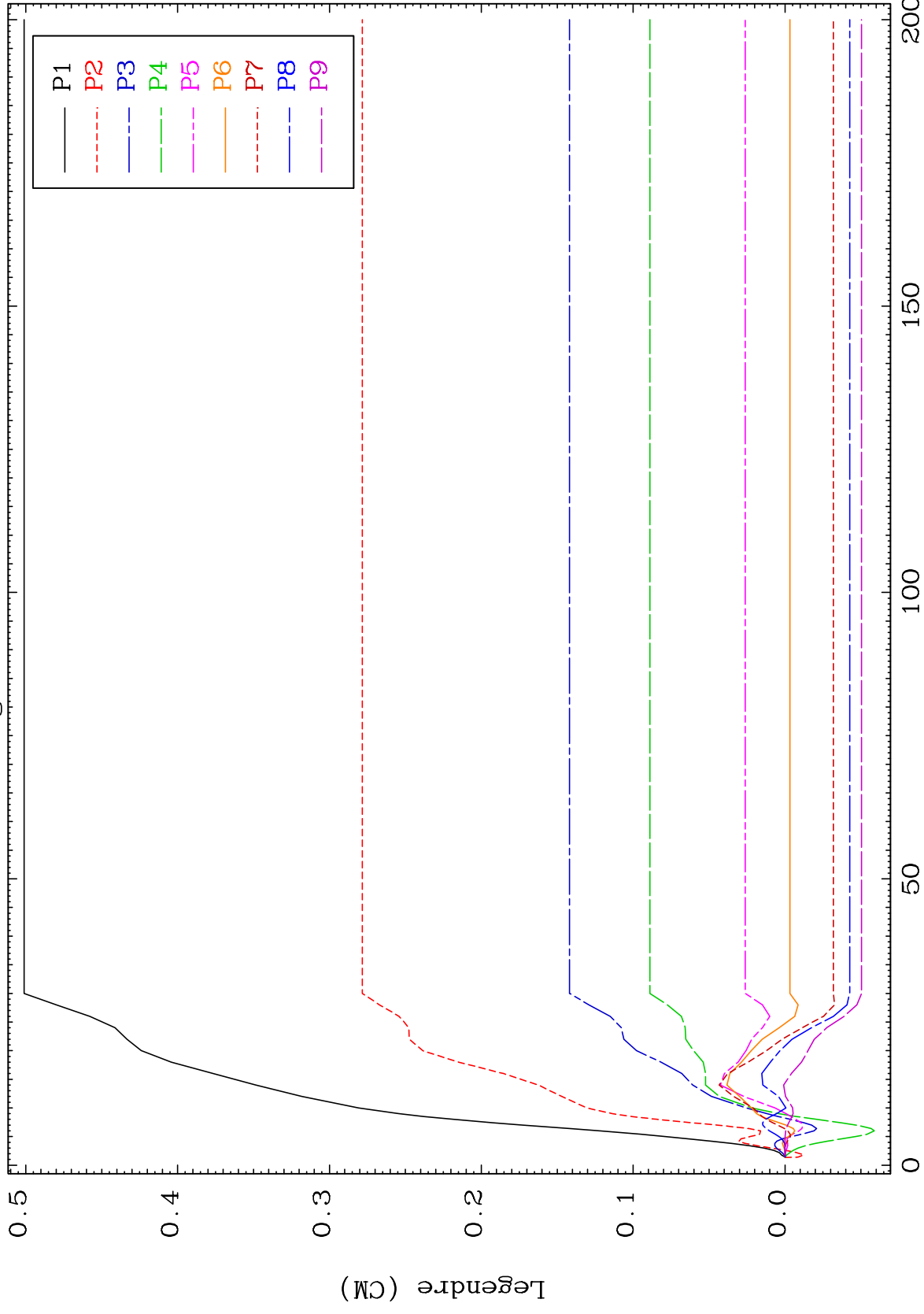
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



54-Xe-116

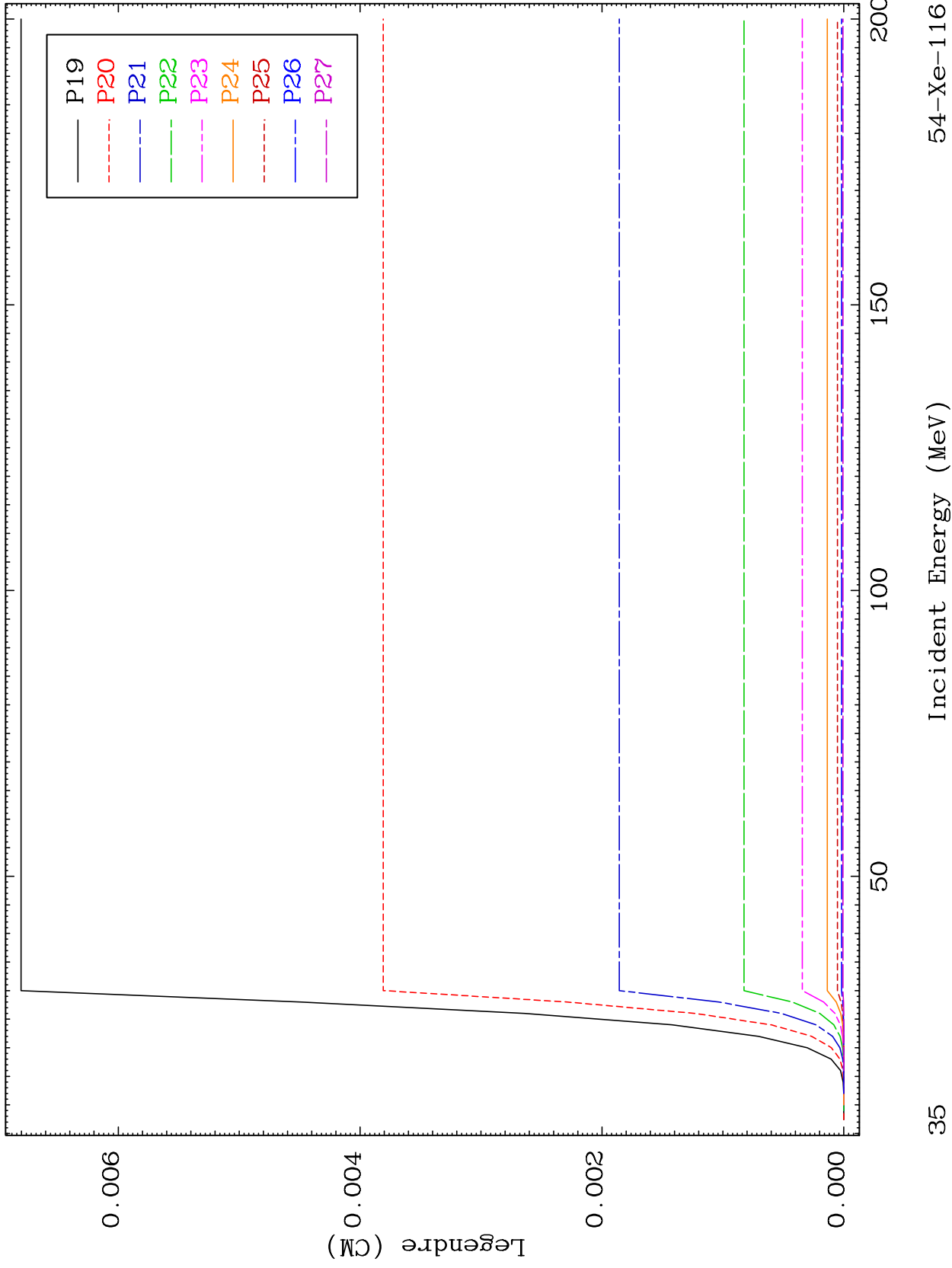
Incident Energy (MeV)

33

MAT 5401

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

54-Xe-116



35

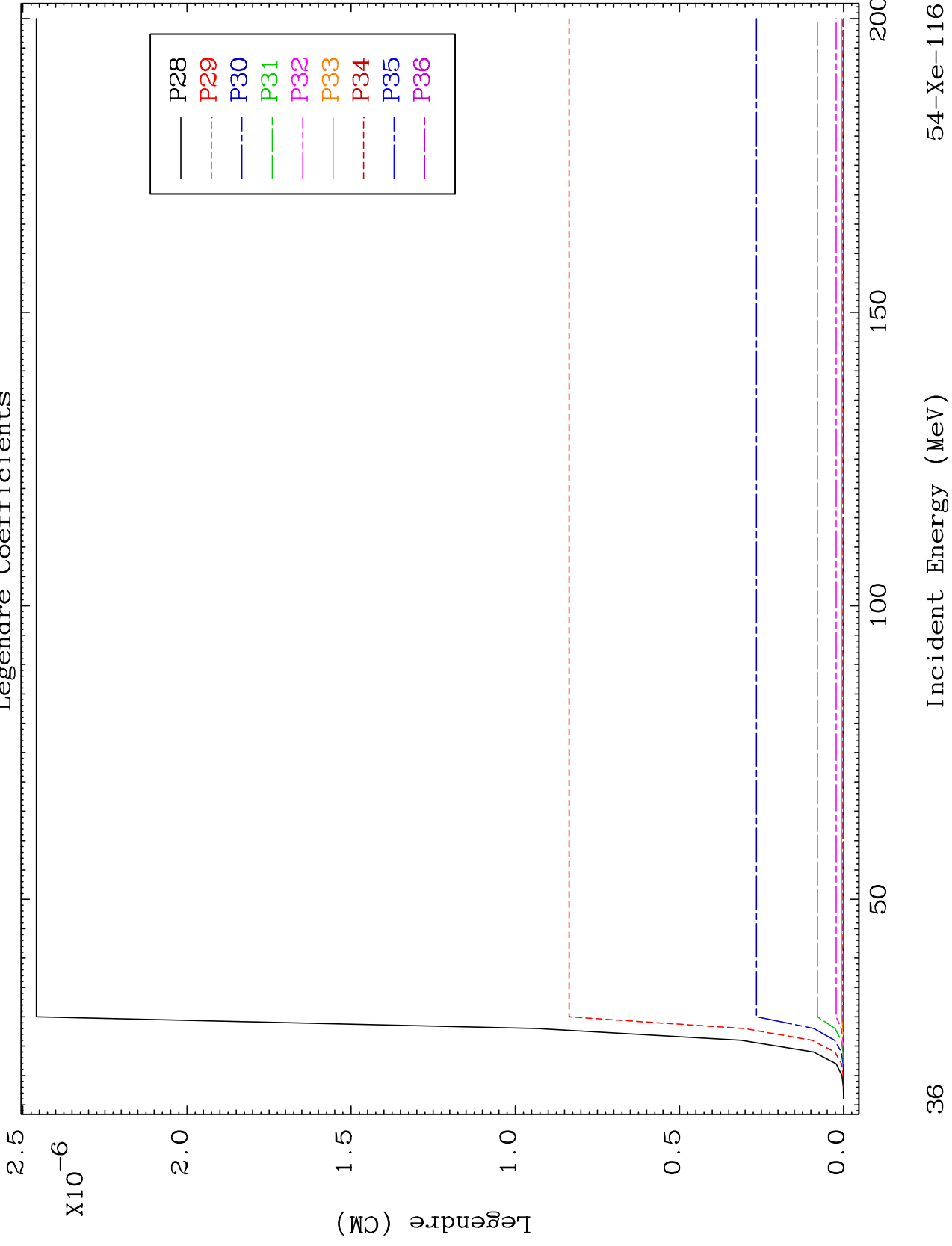
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

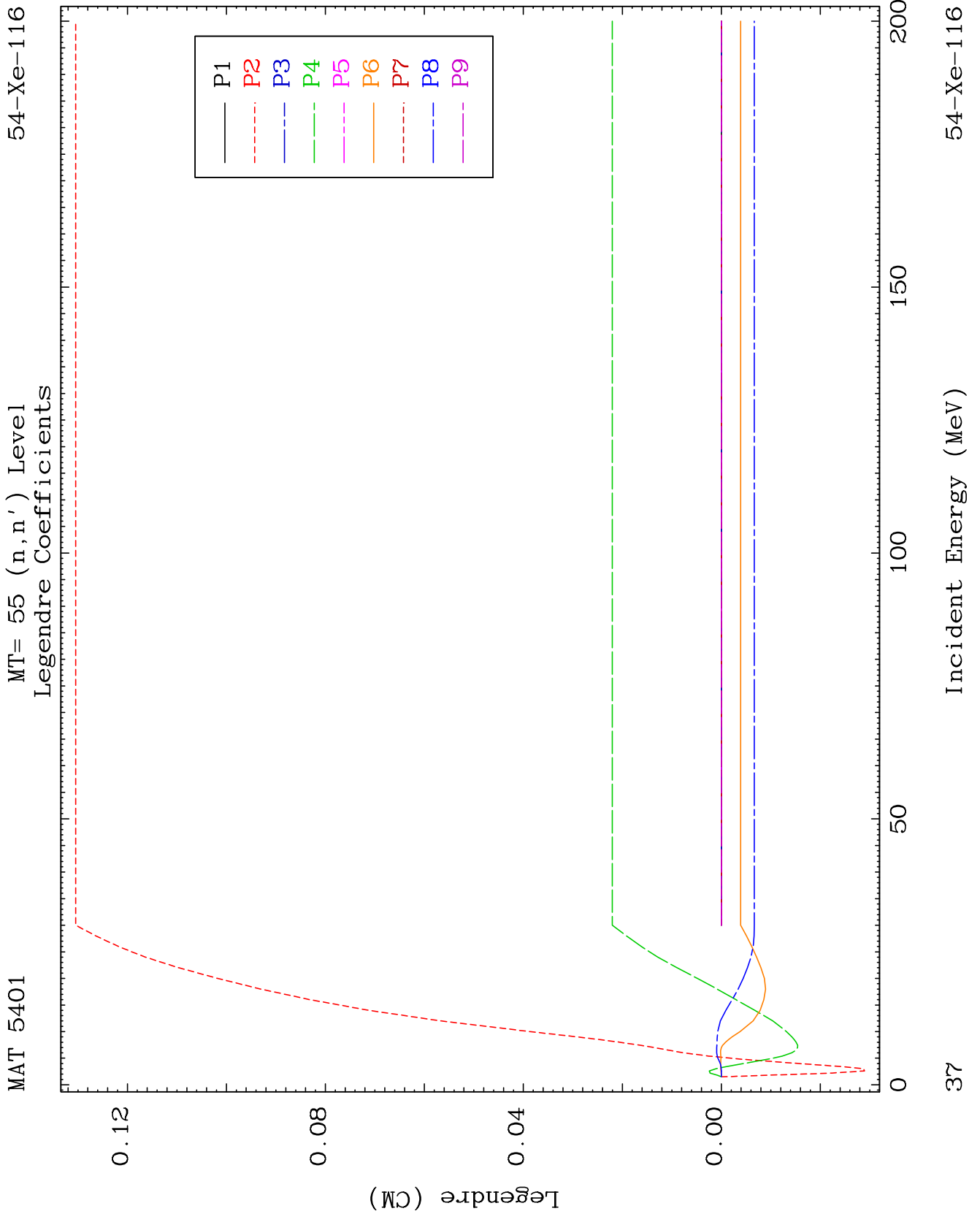
54-Xe-116



36

Incident Energy (MeV)

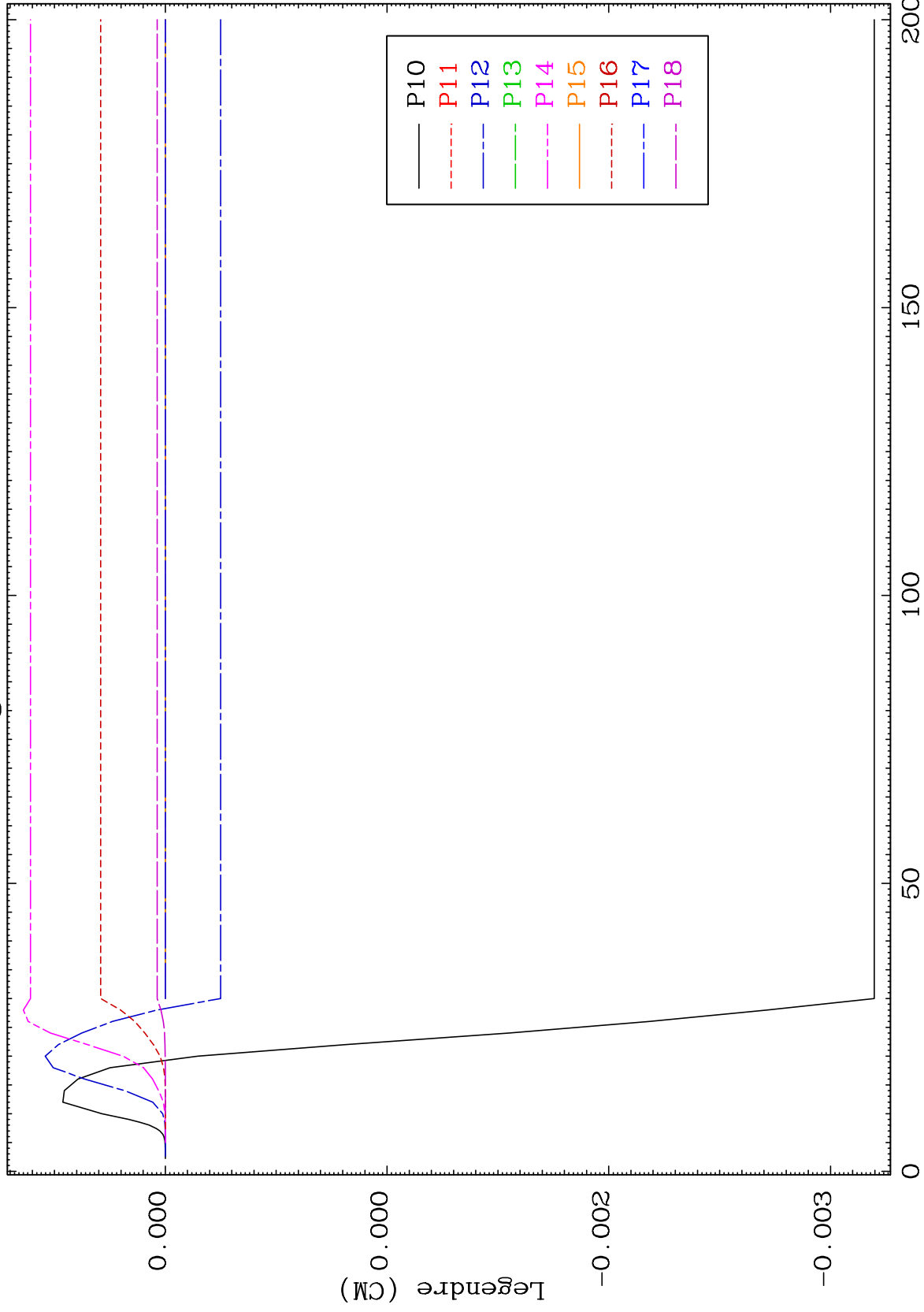
54-Xe-116



MAT 5401

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

54-Xe-116



38

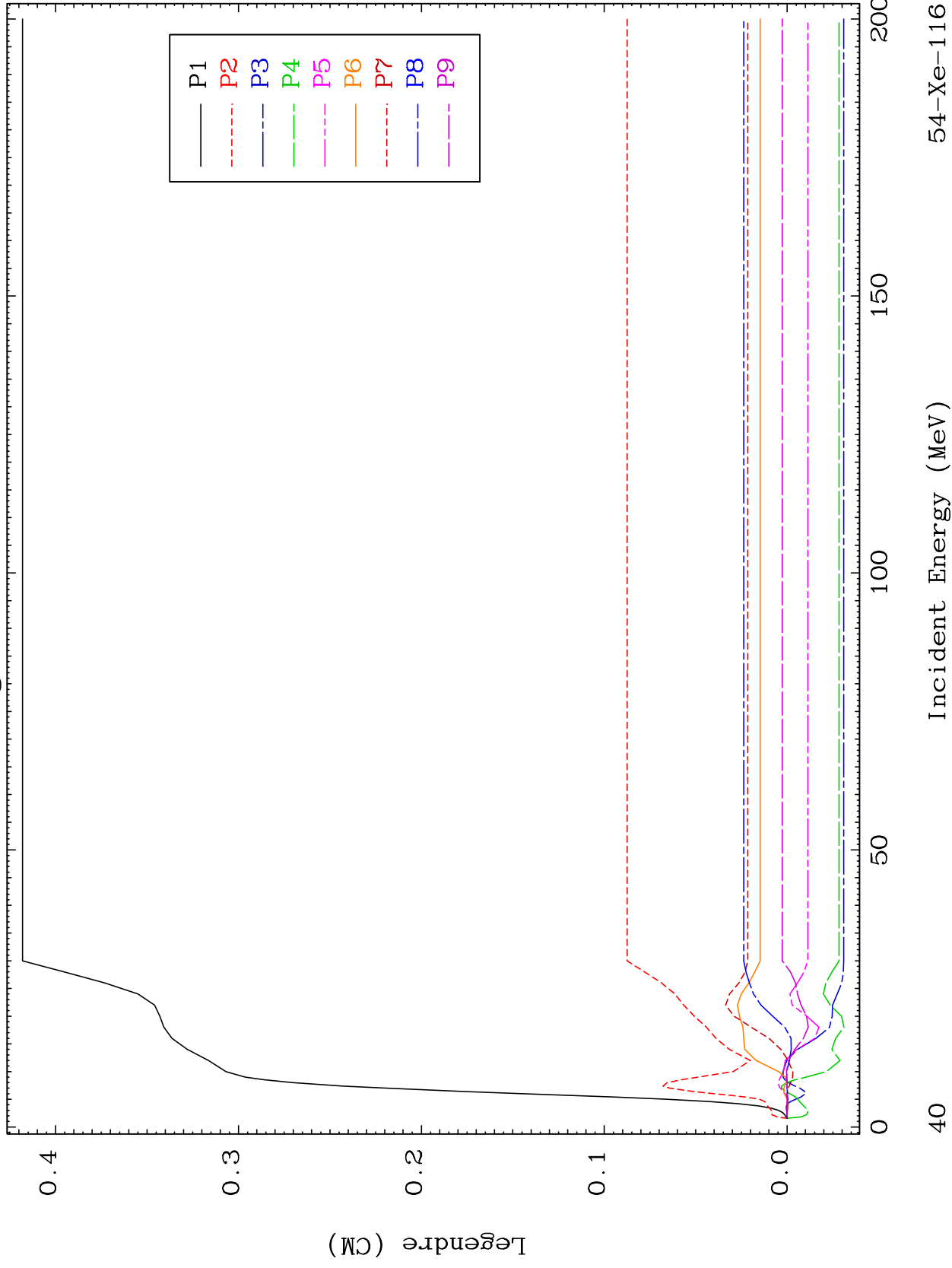
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



54-Xe-116

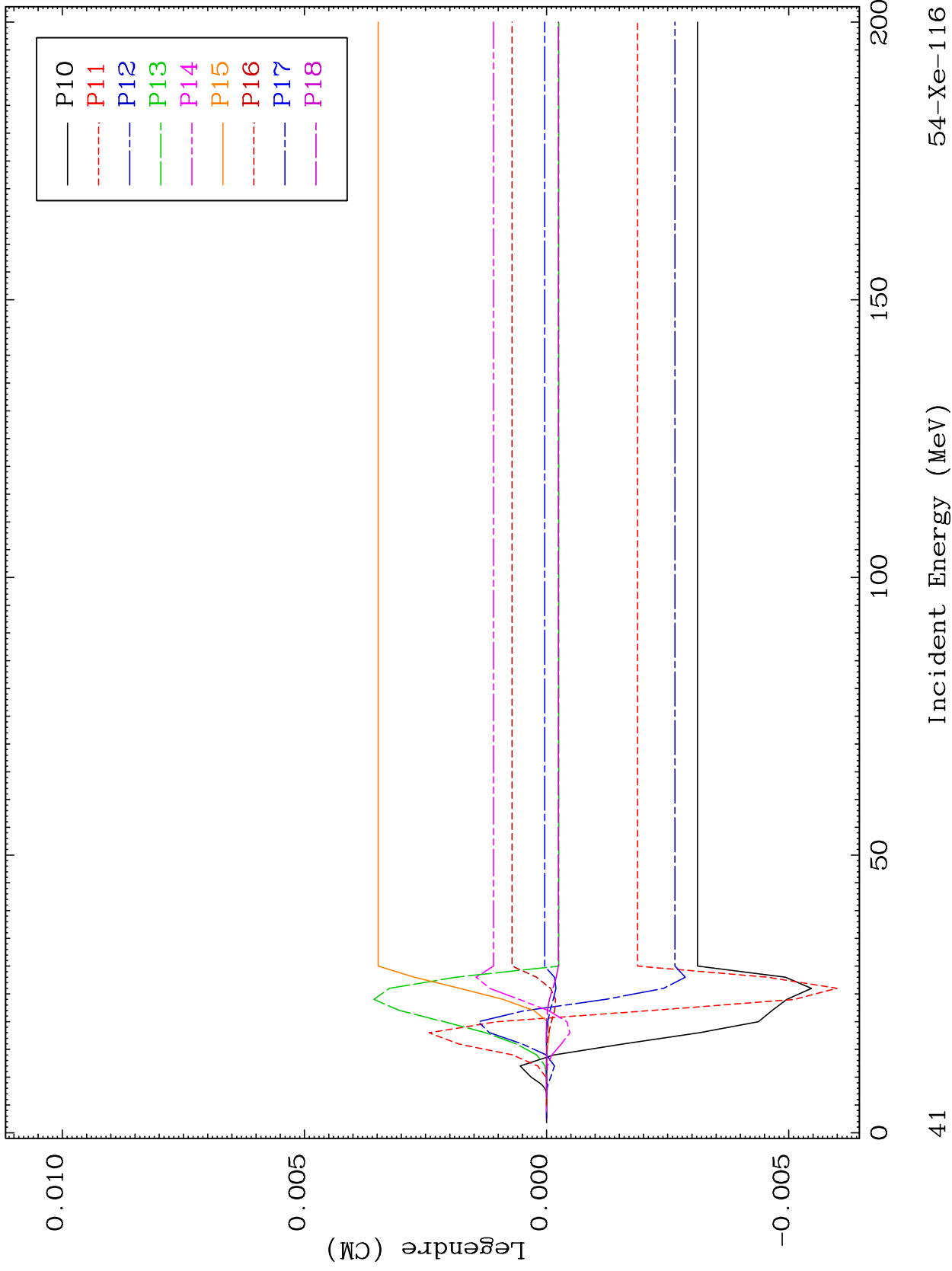
Incident Energy (MeV)

40

MAT 5401

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

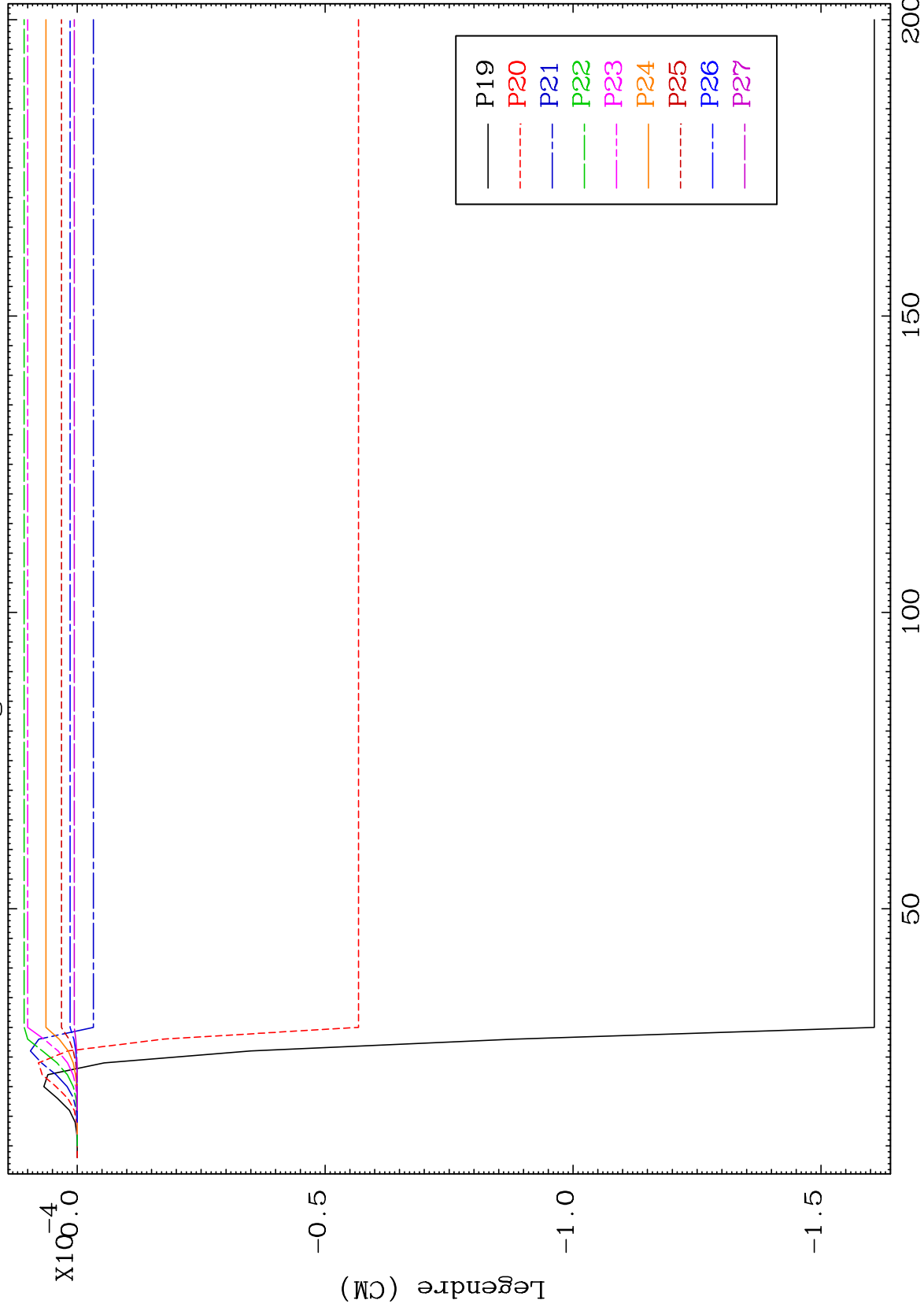
54-Xe-116



MAT 5401

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

54-Xe-116



42

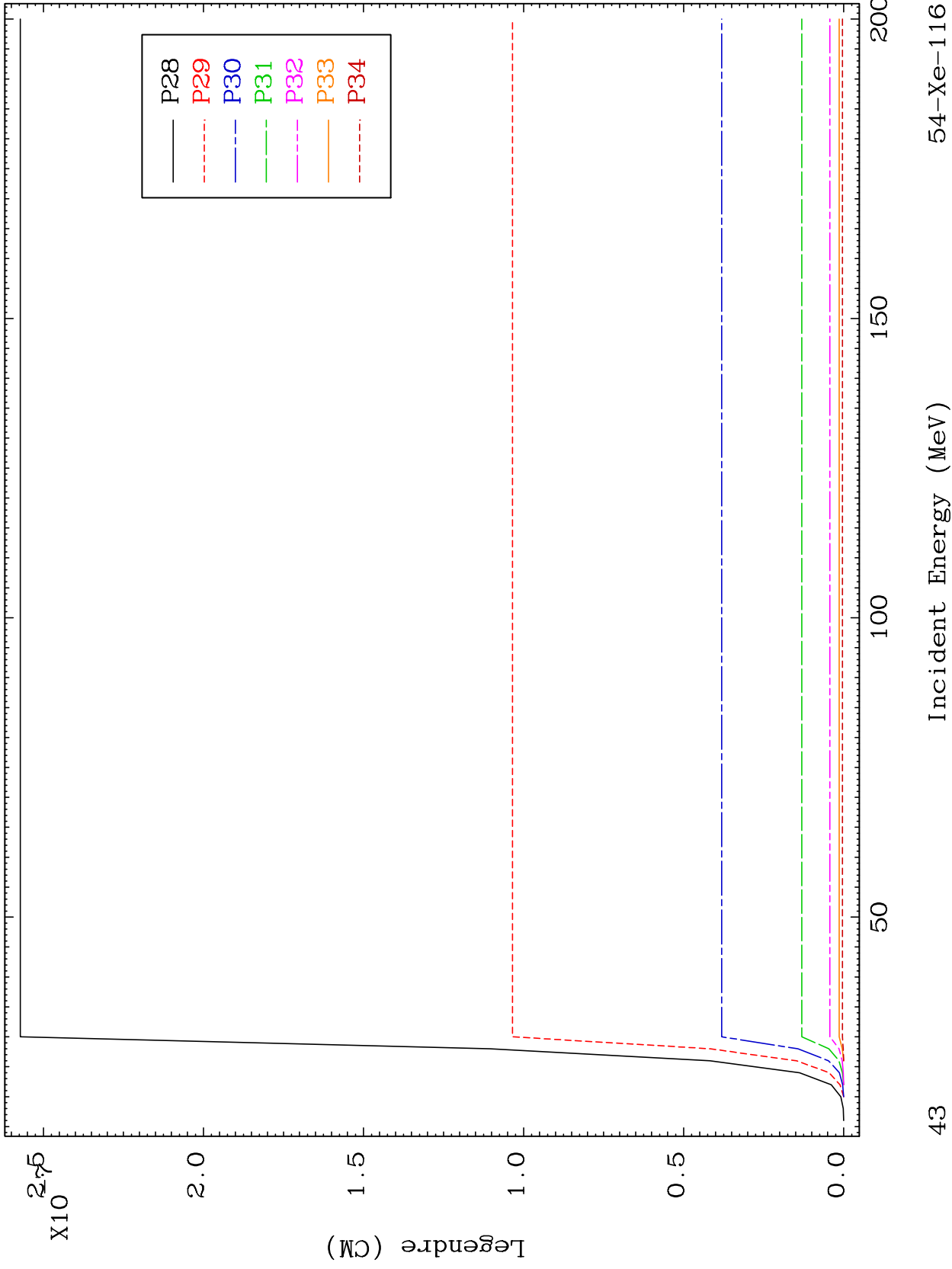
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



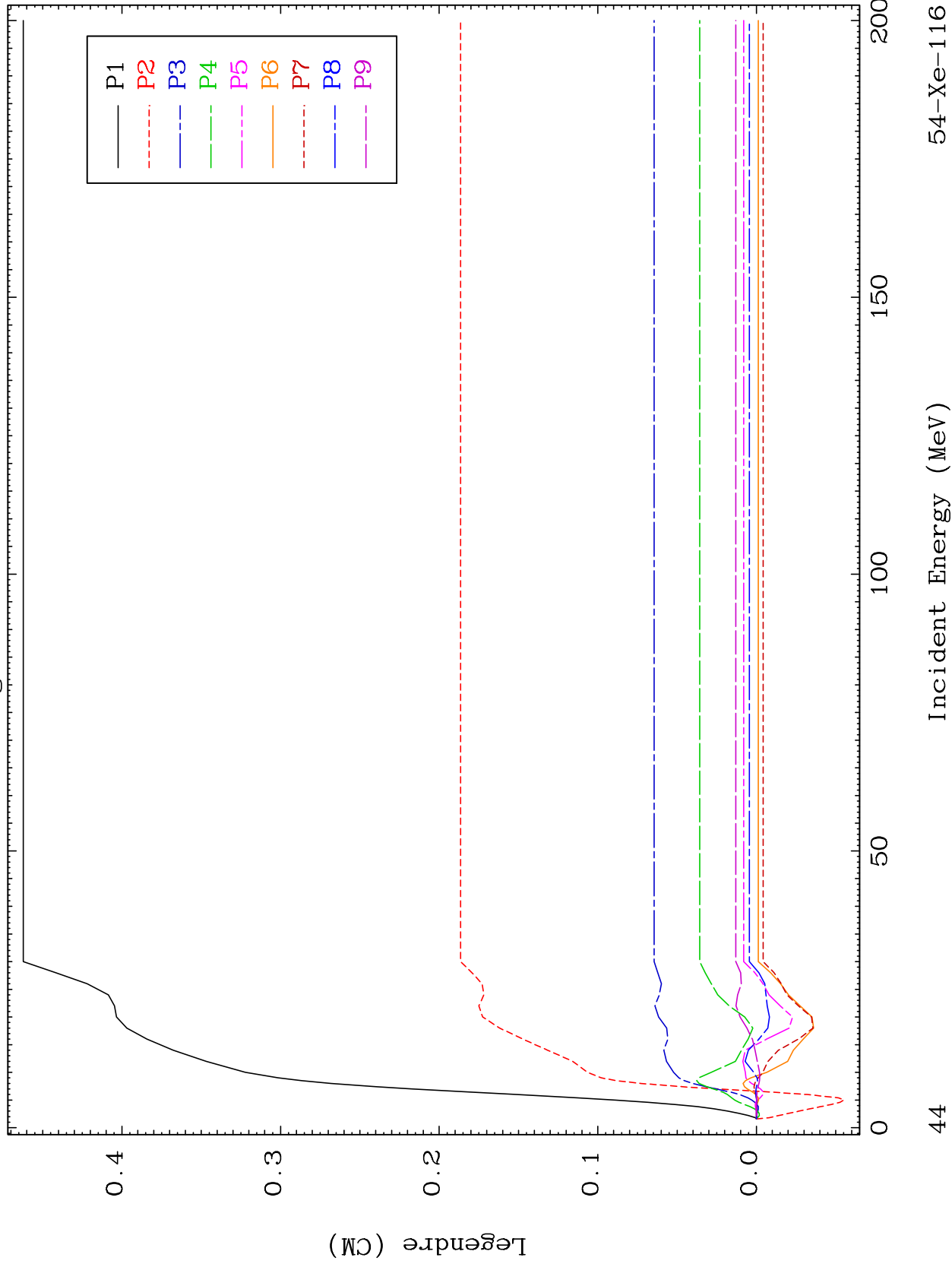
43

54-Xe-116

MAT 5401

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

54-Xe-116



54-Xe-116

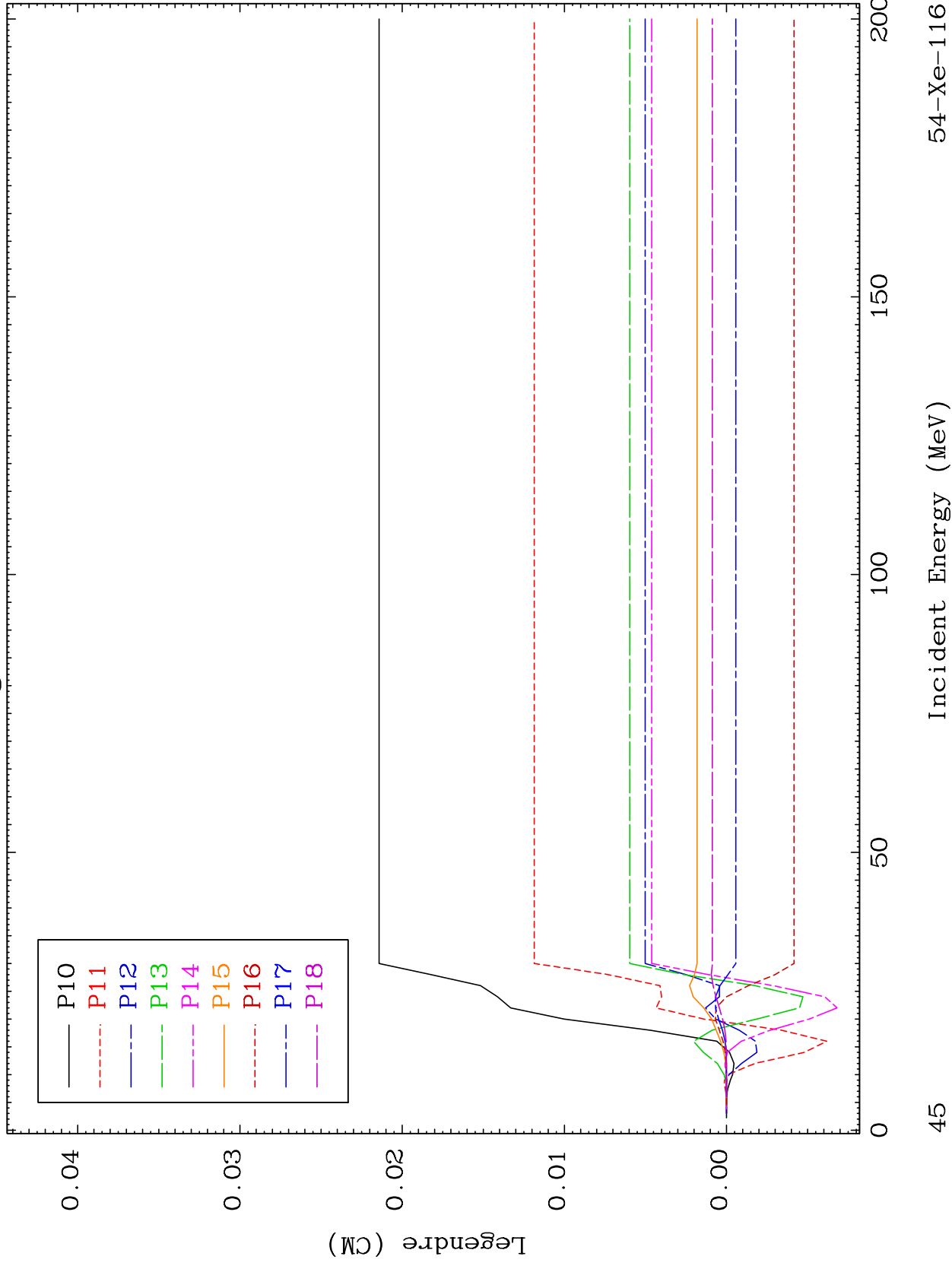
Incident Energy (MeV)

44

MAT 5401

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

54-Xe-116



54-Xe-116

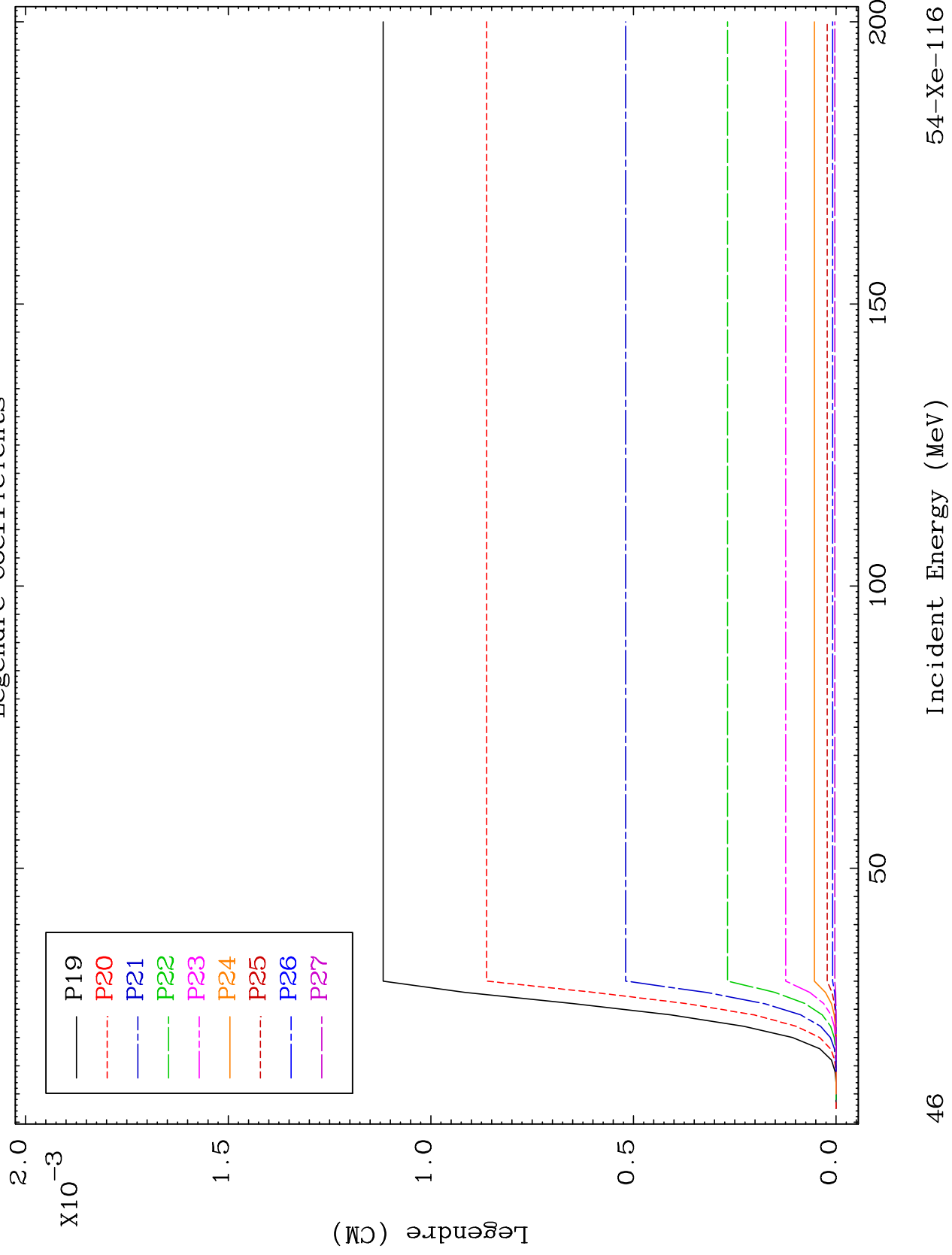
Incident Energy (MeV)

45

MAT 5401

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

54-Xe-116

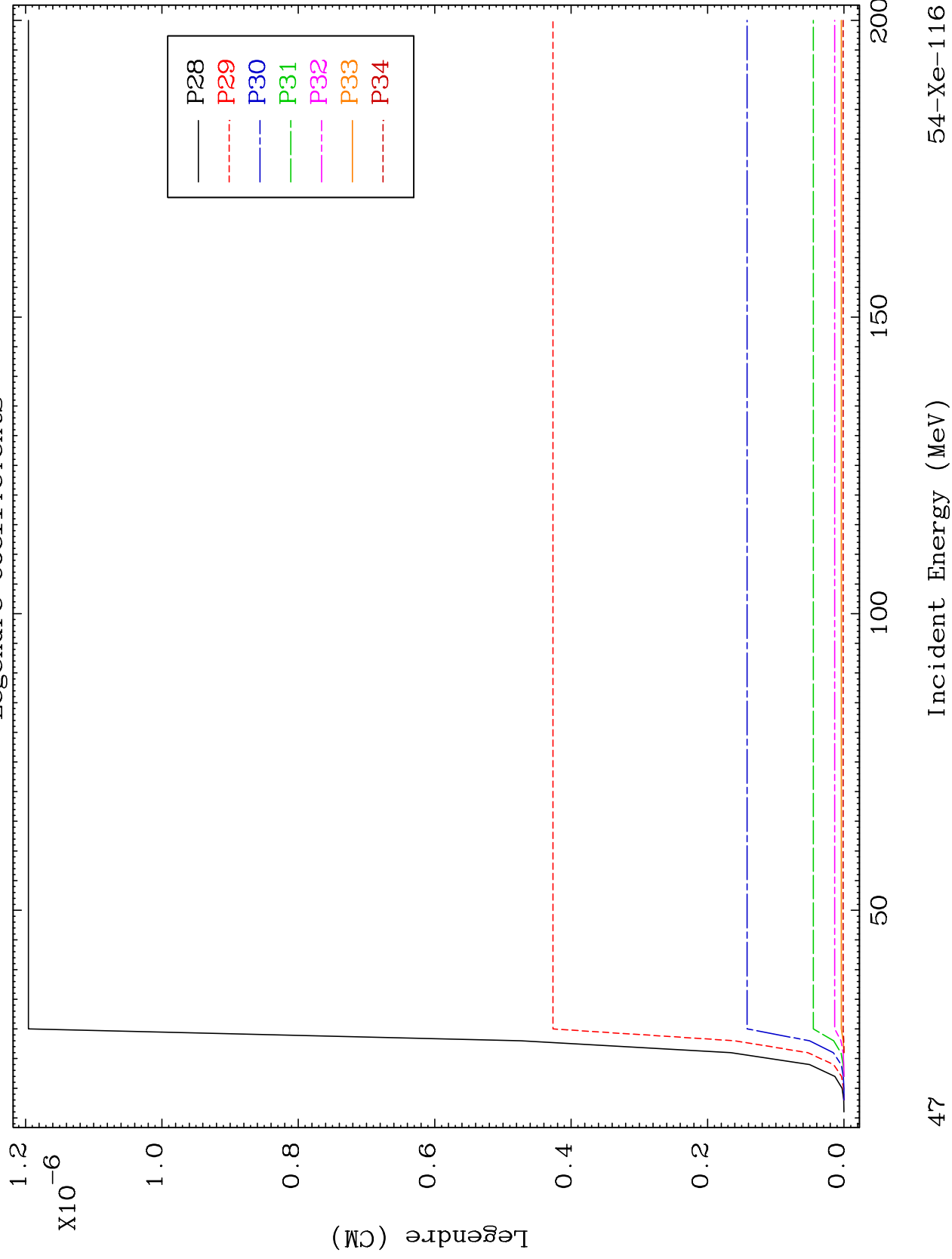


46

MAT 5401

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

54-Xe-116



47

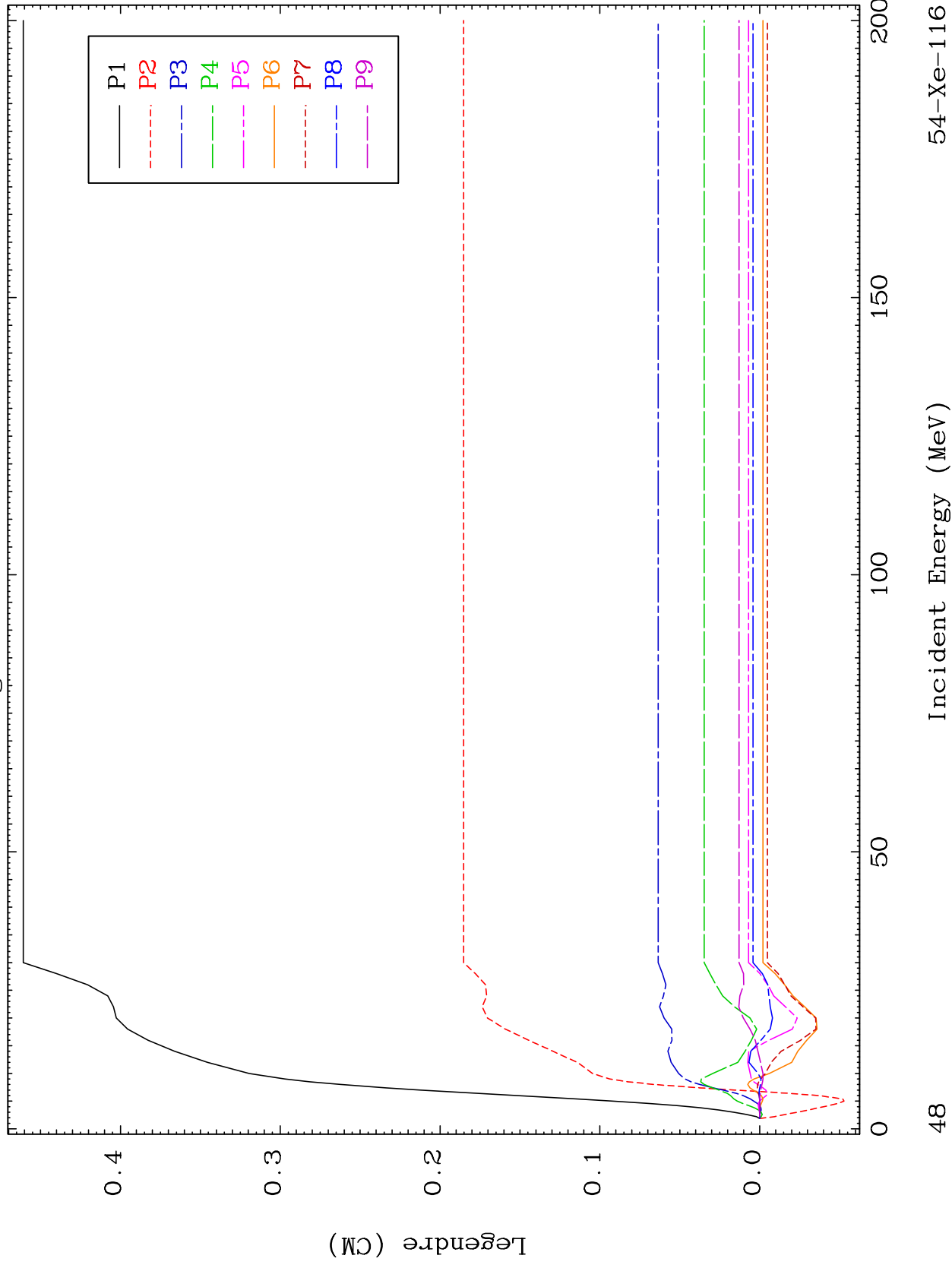
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



54-Xe-116

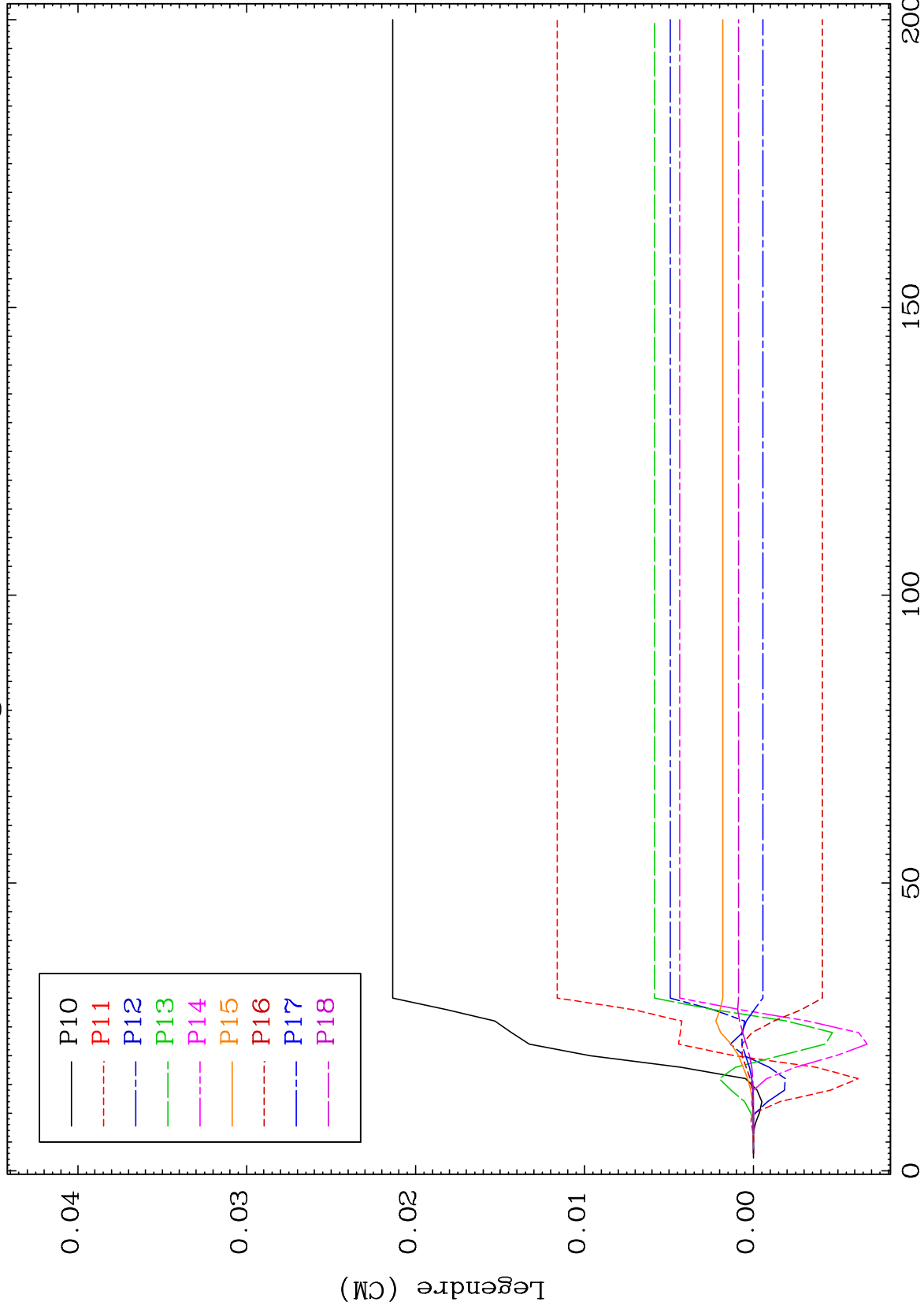
Incident Energy (MeV)

48

MAT 5401

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

54-Xe-116



49

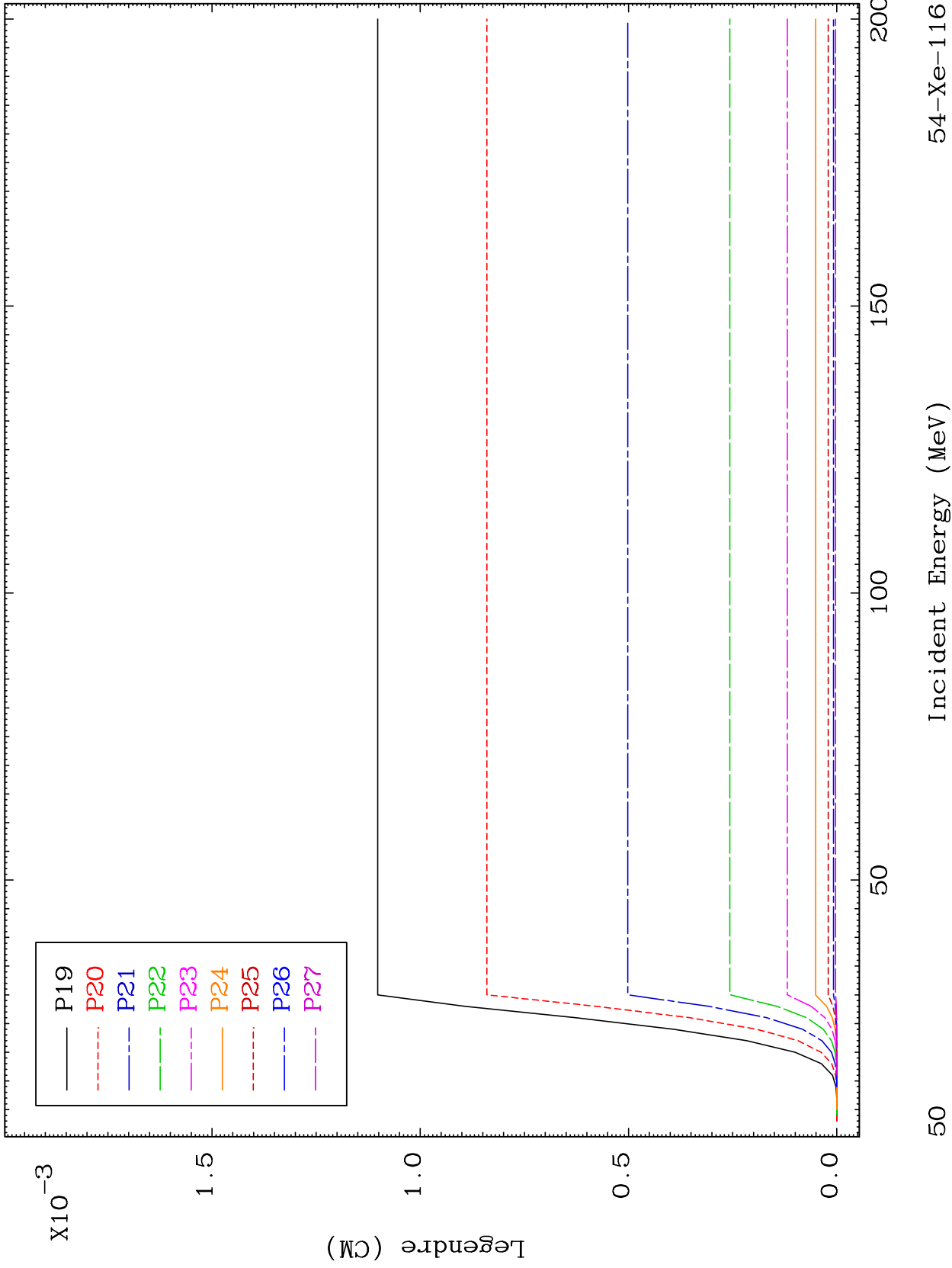
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

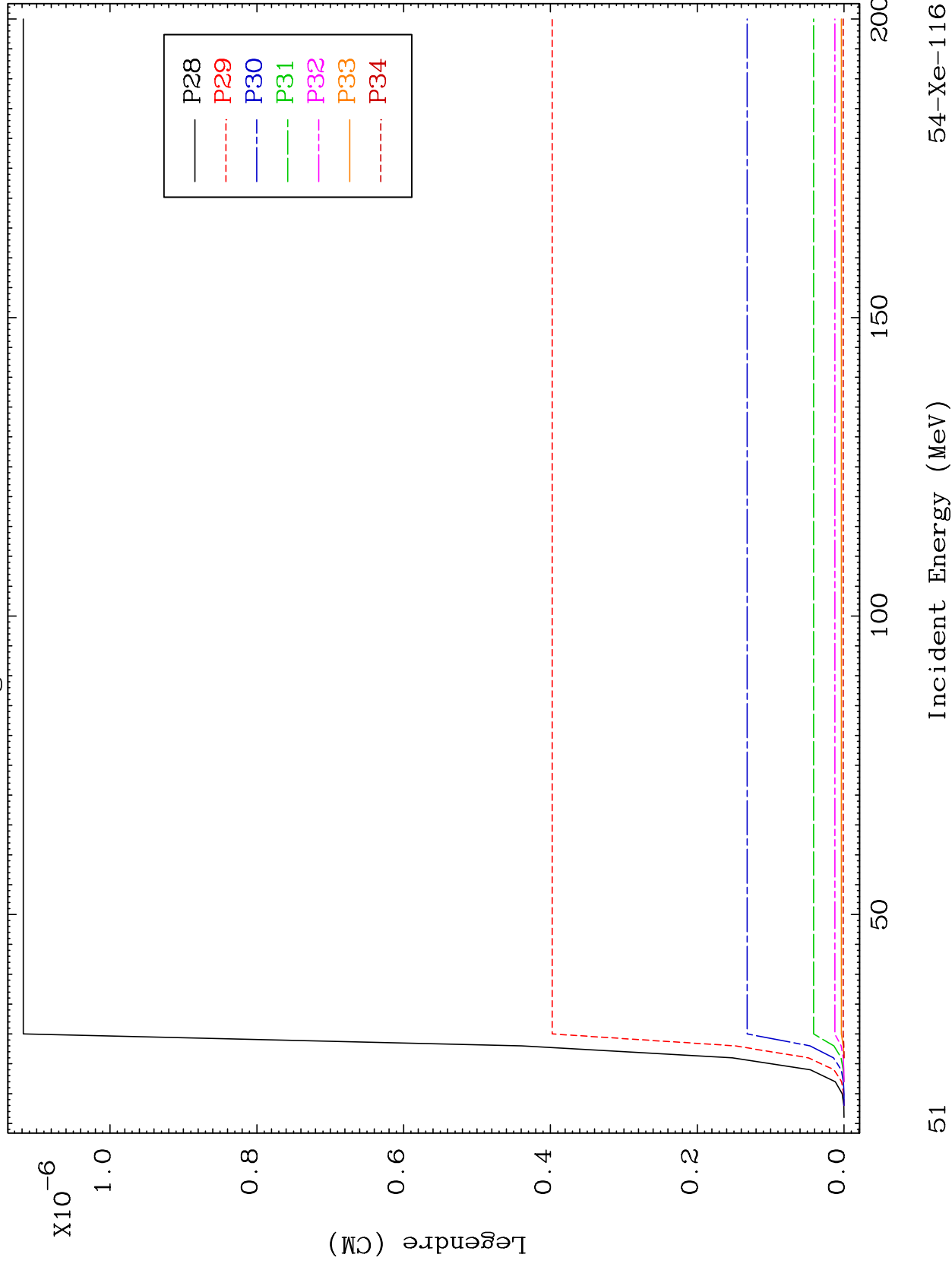
54-Xe-116



MAT 5401

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

54-Xe-116



51

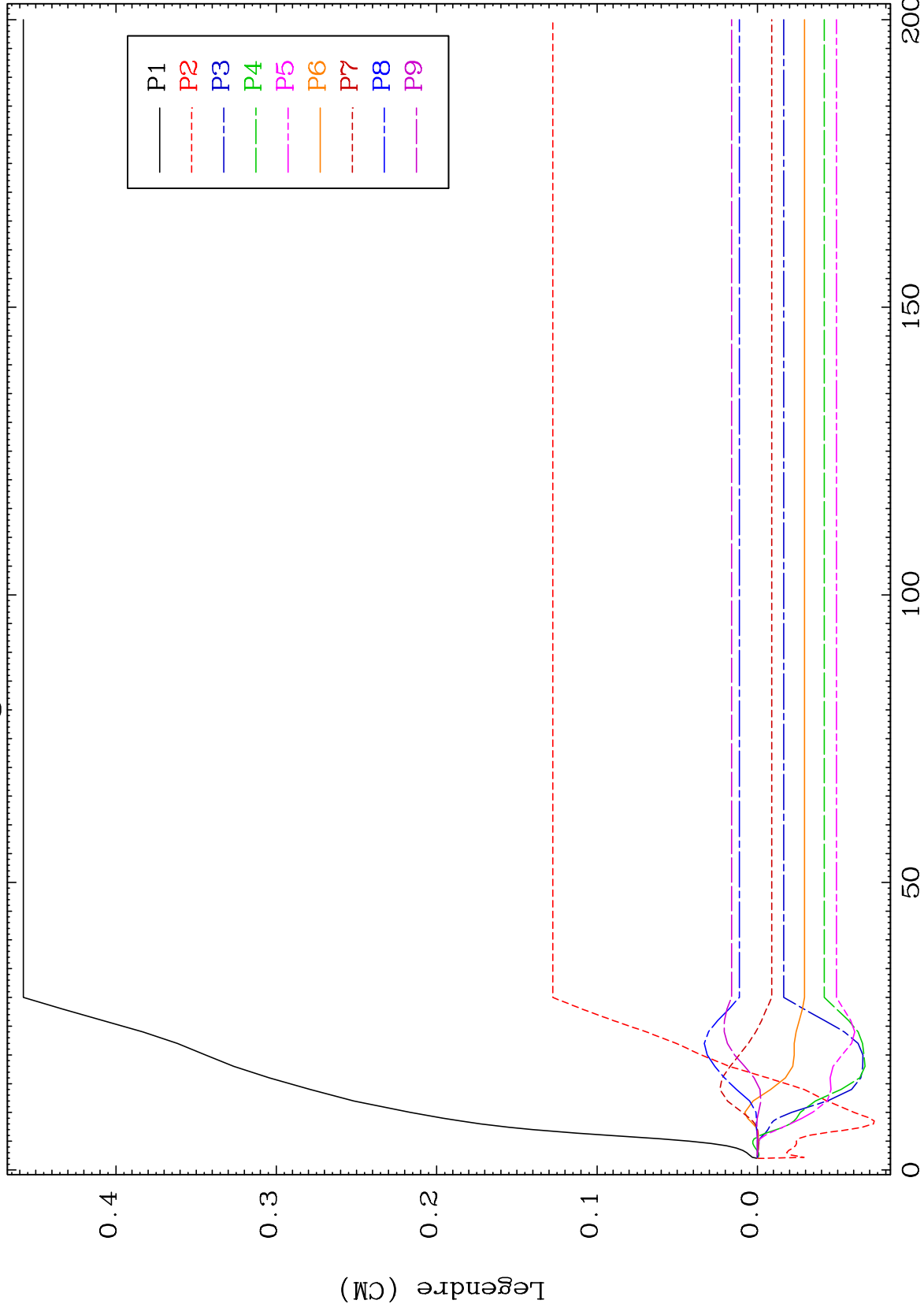
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



52

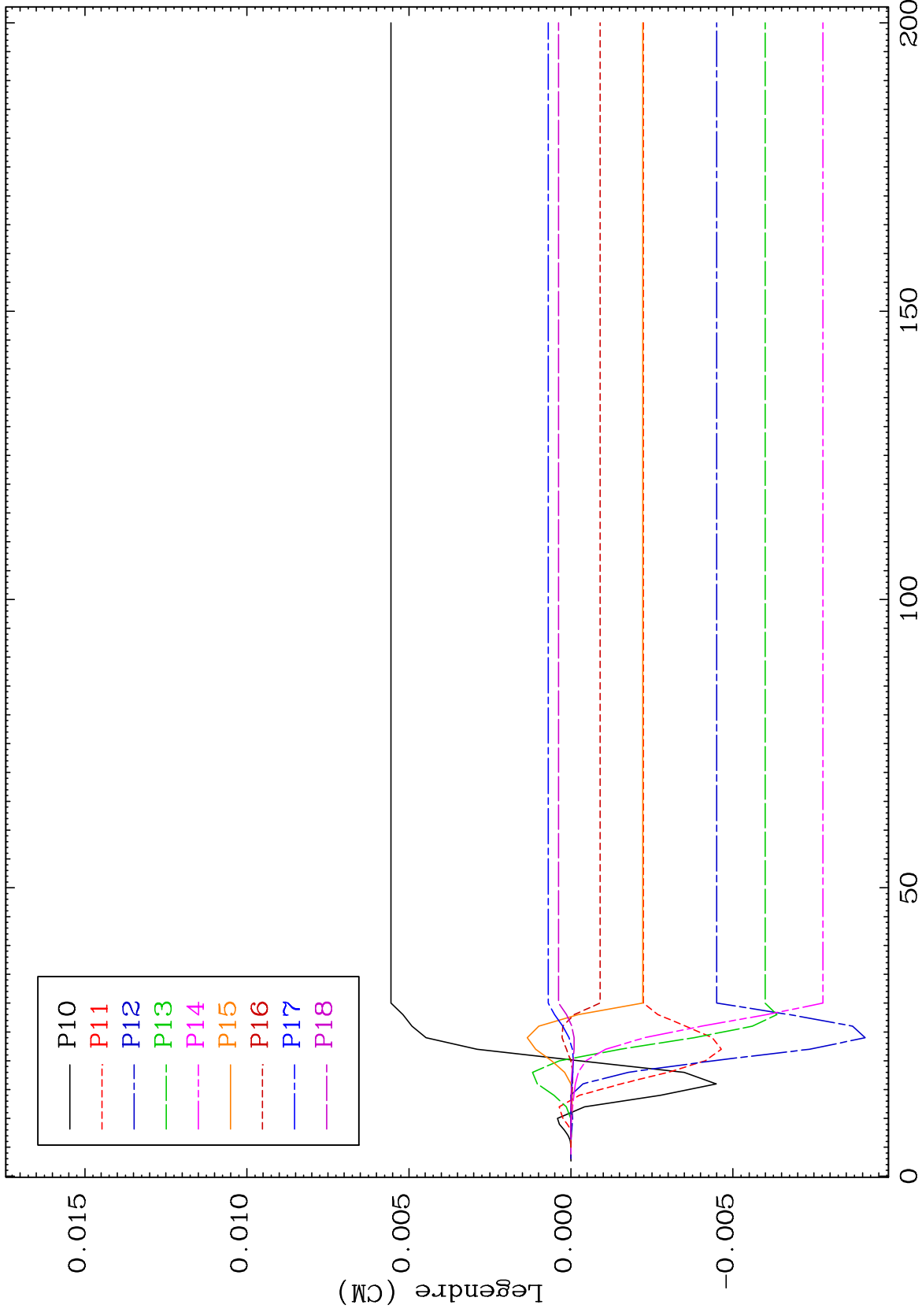
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



53

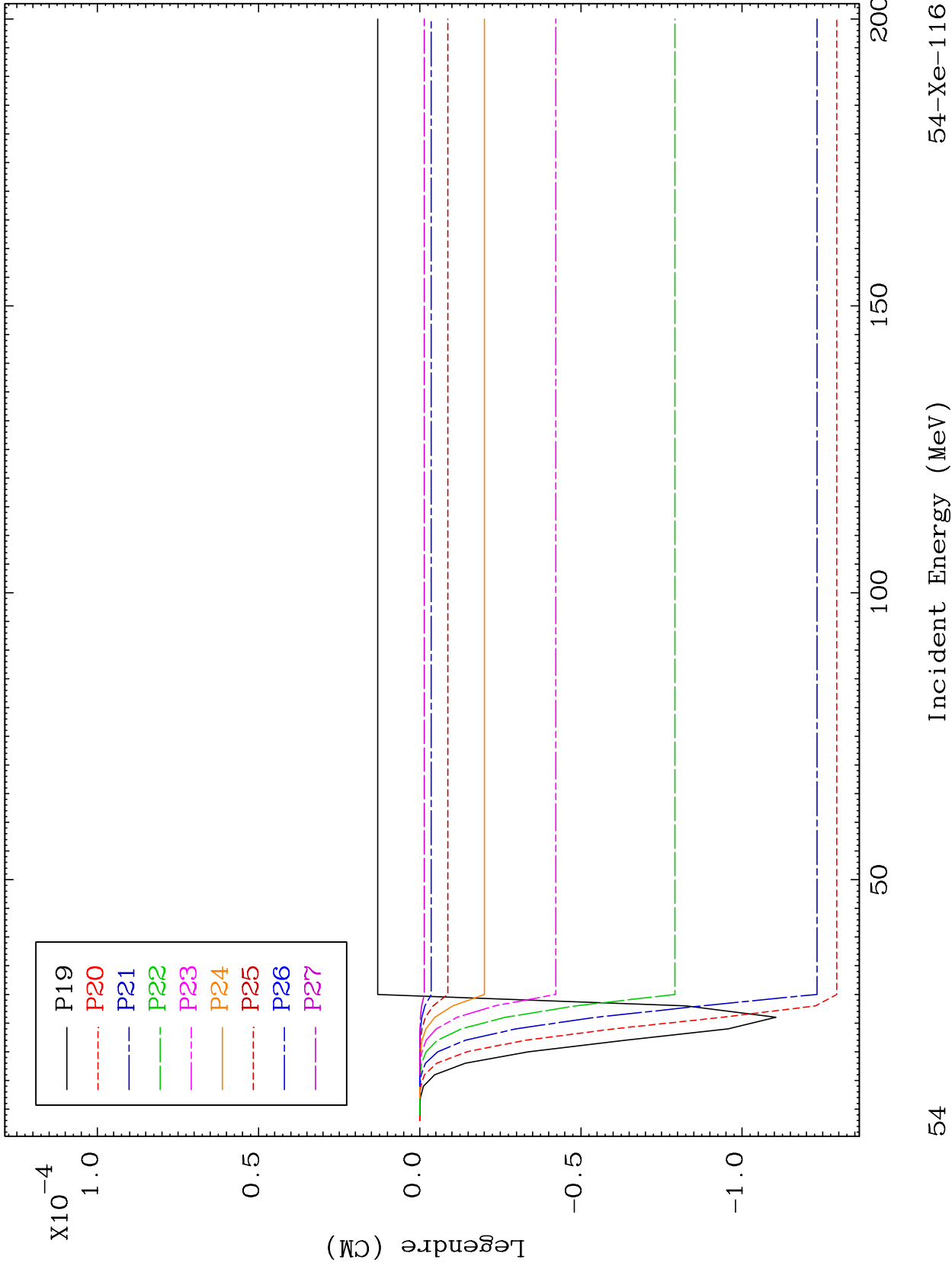
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



54

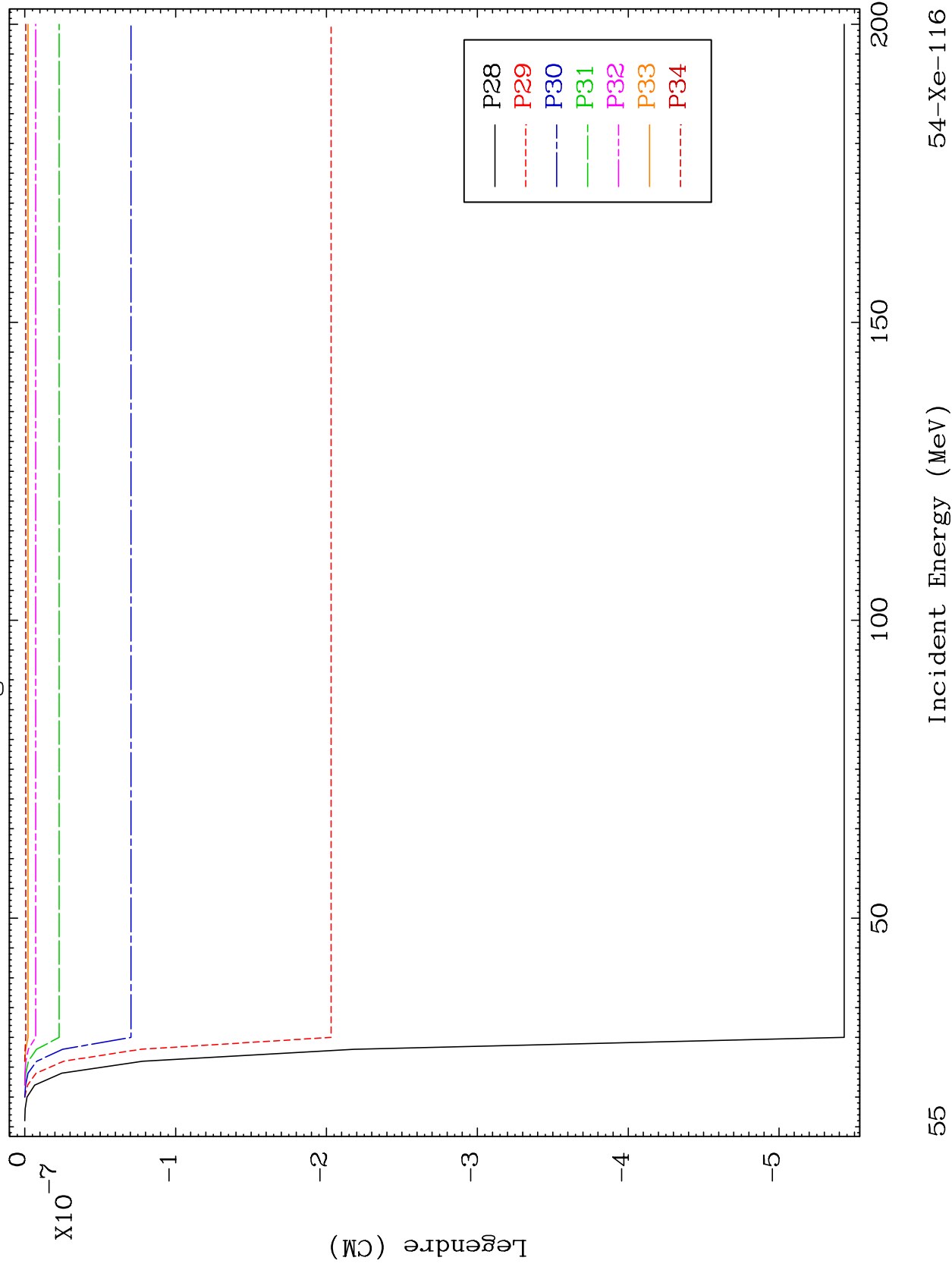
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



55

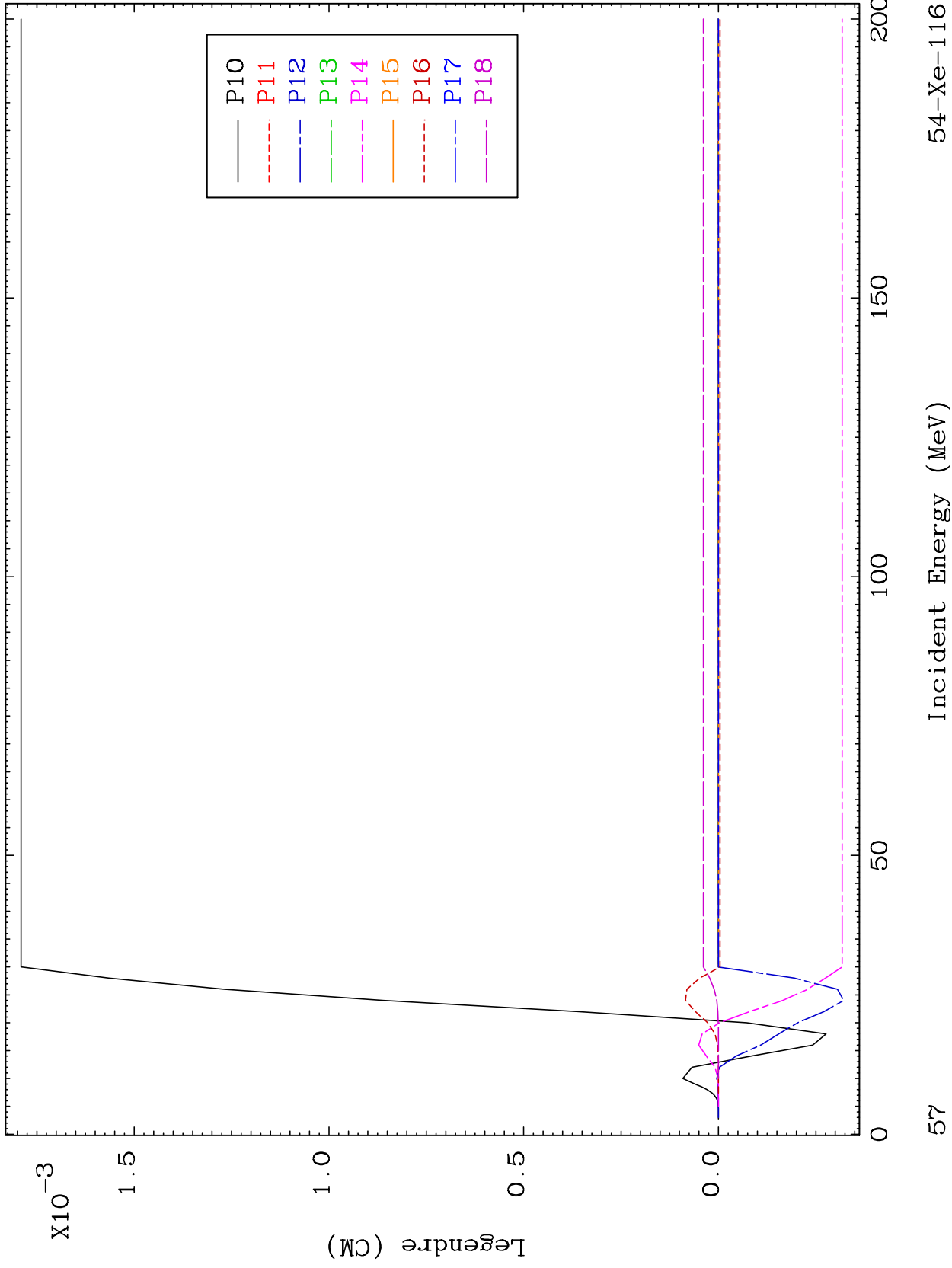
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

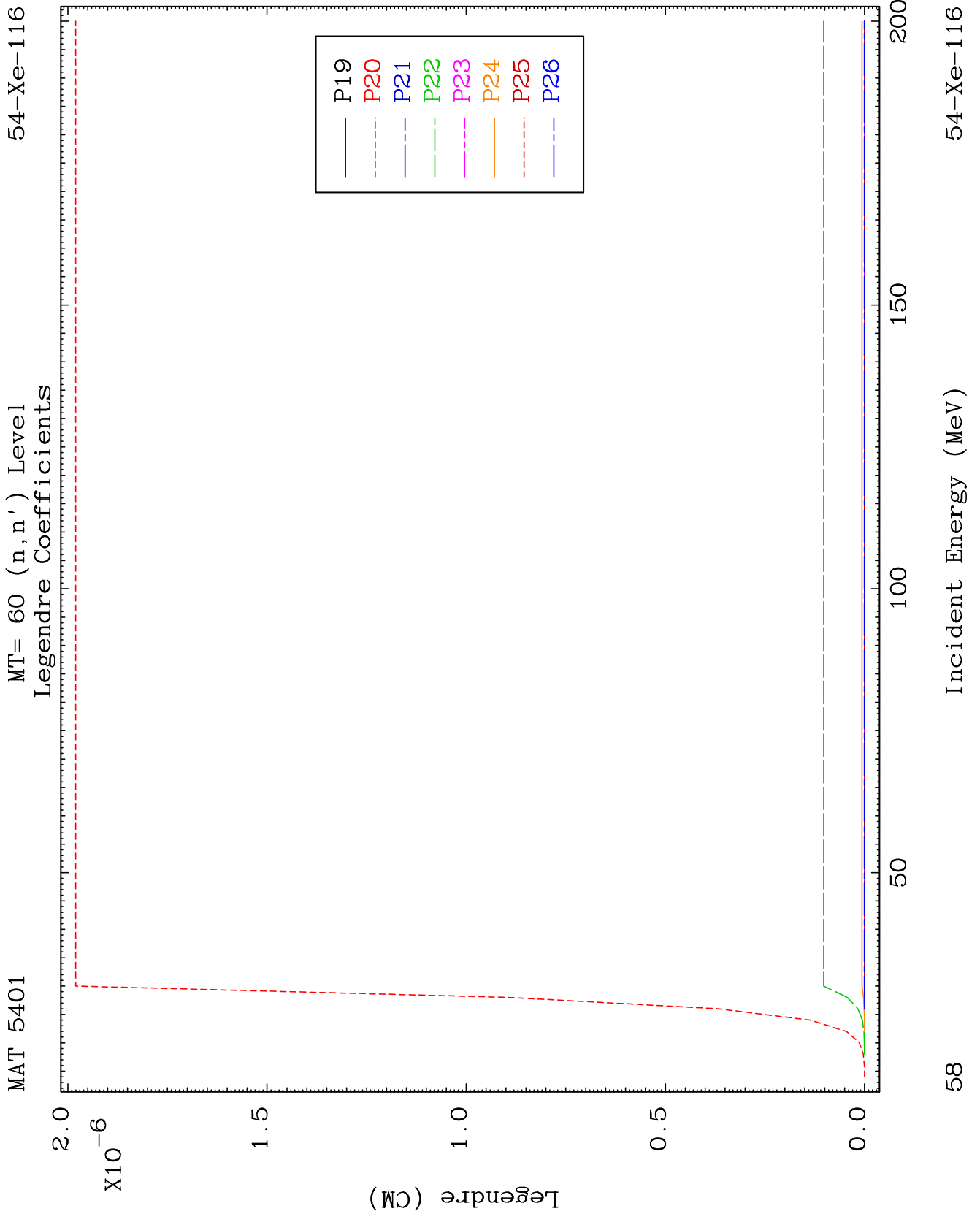
54-Xe-116



57

Incident Energy (MeV)

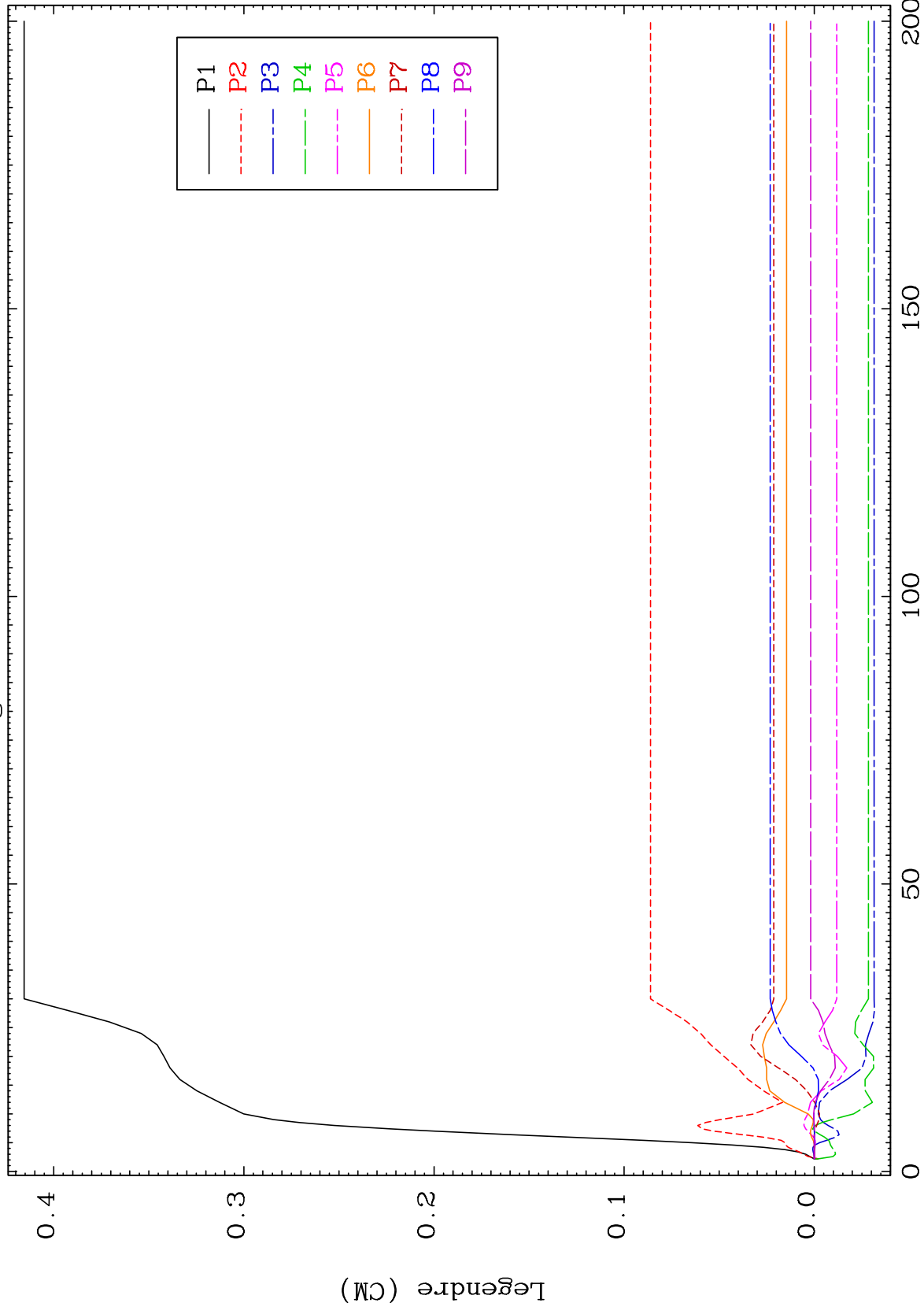
54-Xe-116



MAT 5401

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

54-Xe-116



59

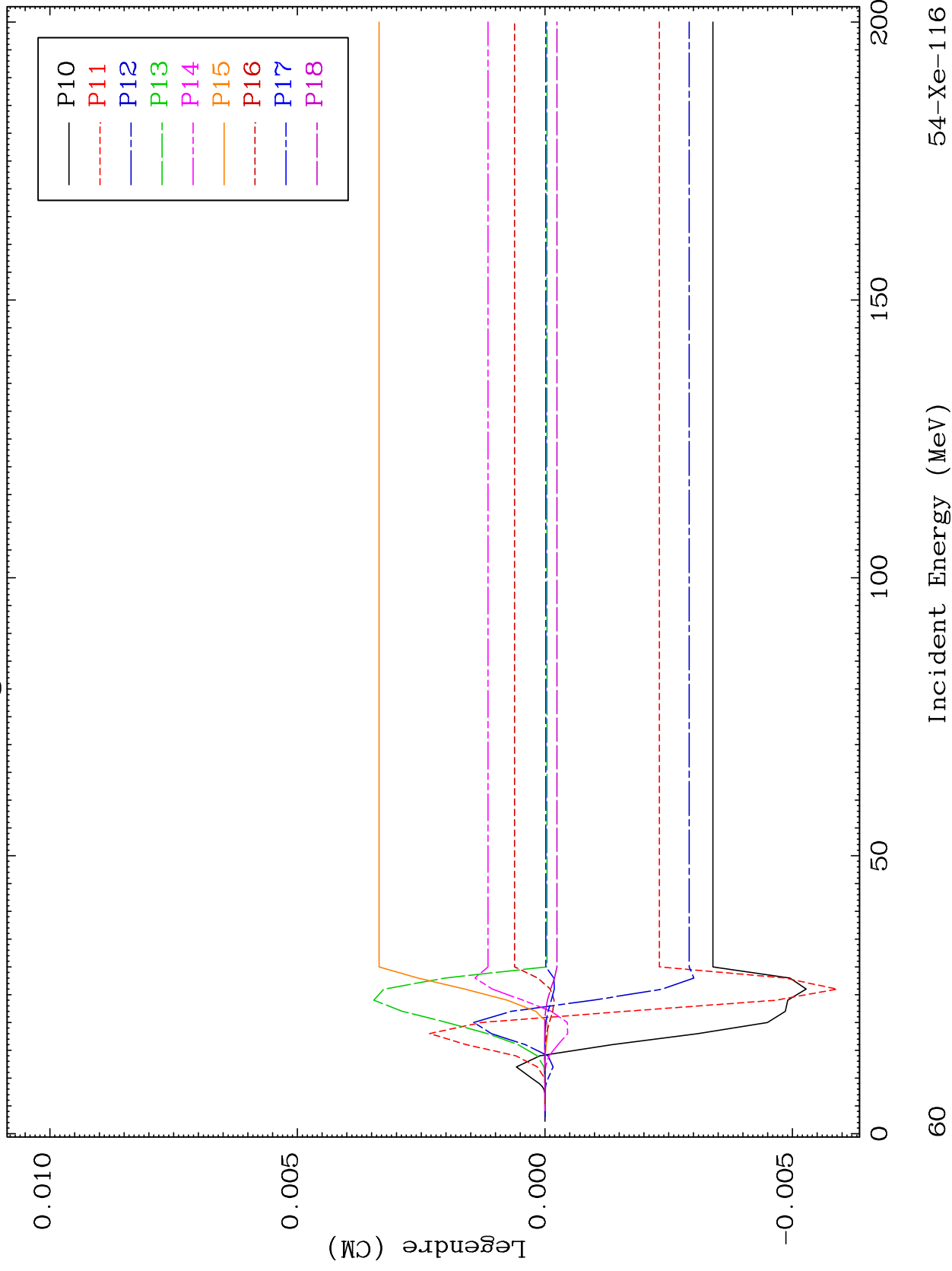
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

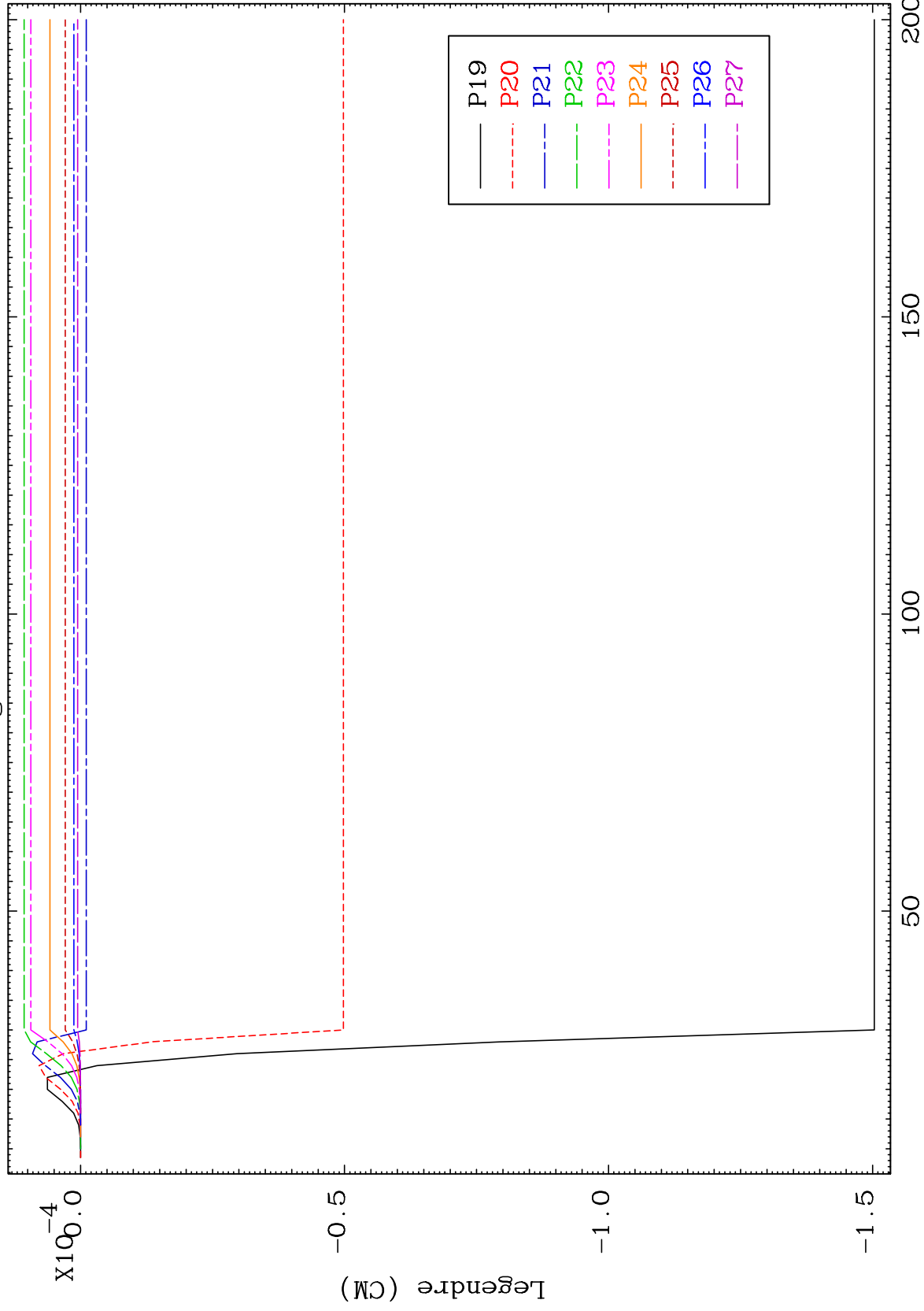
54-Xe-116



MAT 5401

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

54-Xe-116



61

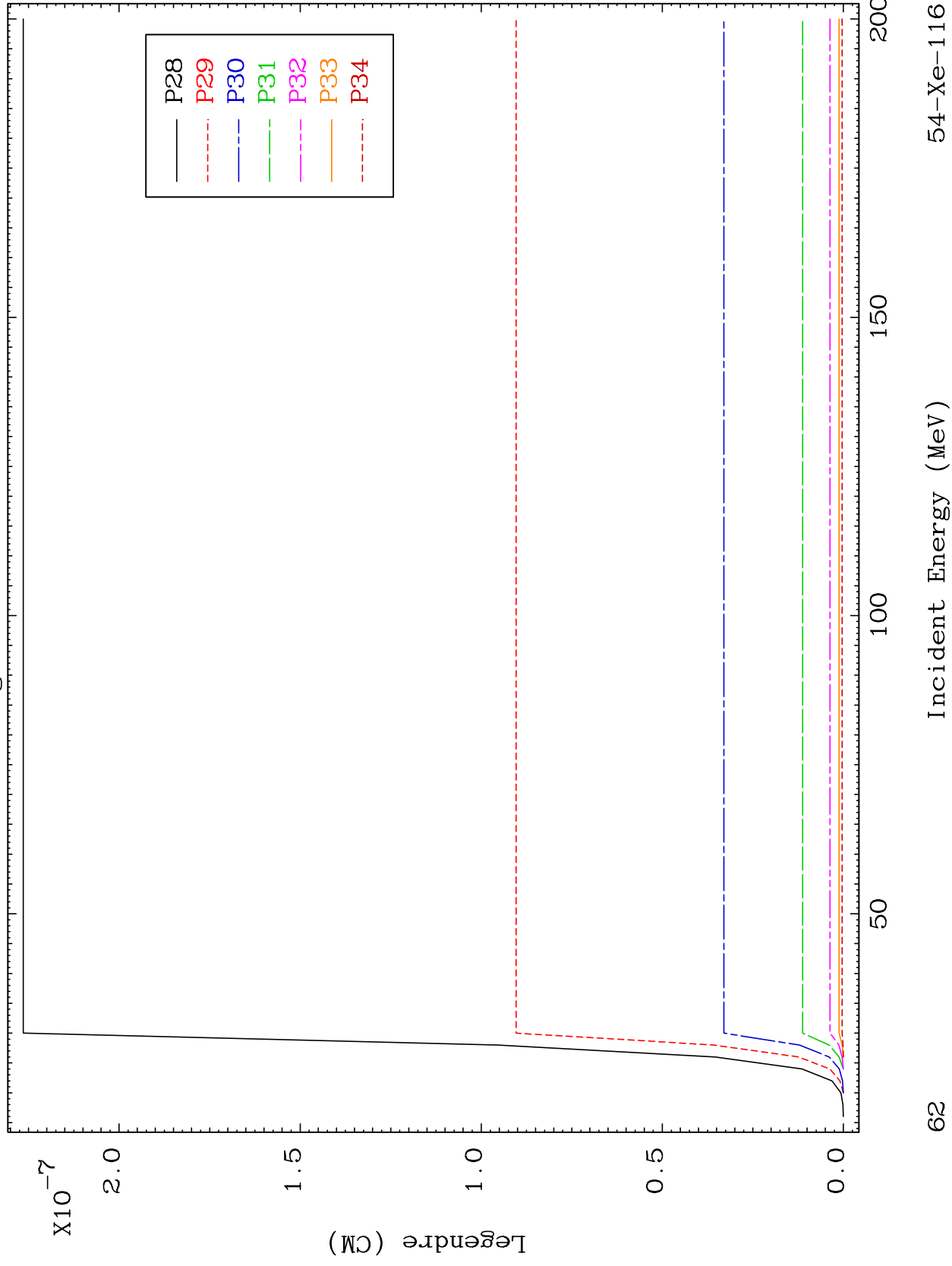
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

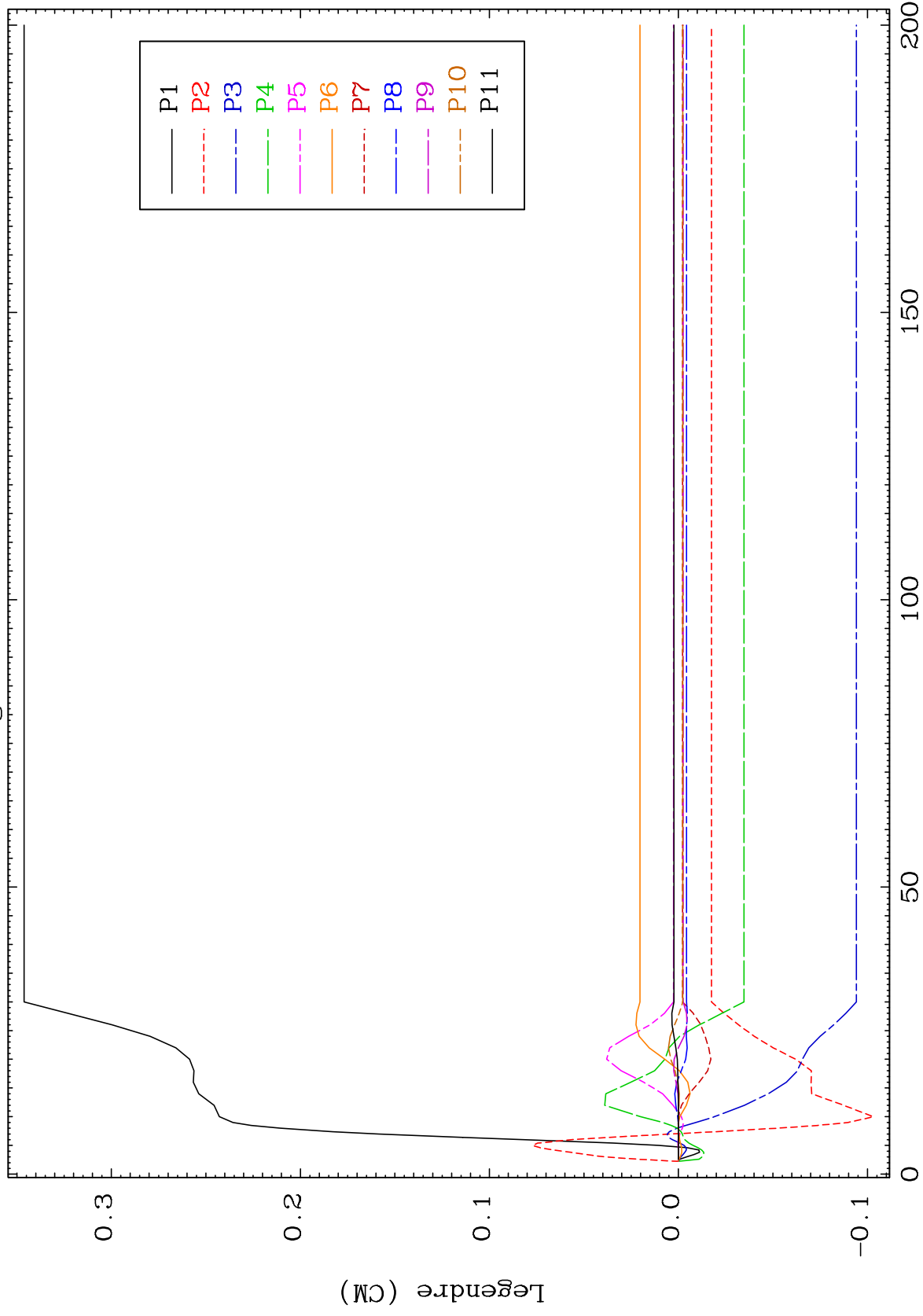
54-Xe-116



MAT 5401

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

54-Xe-116



63

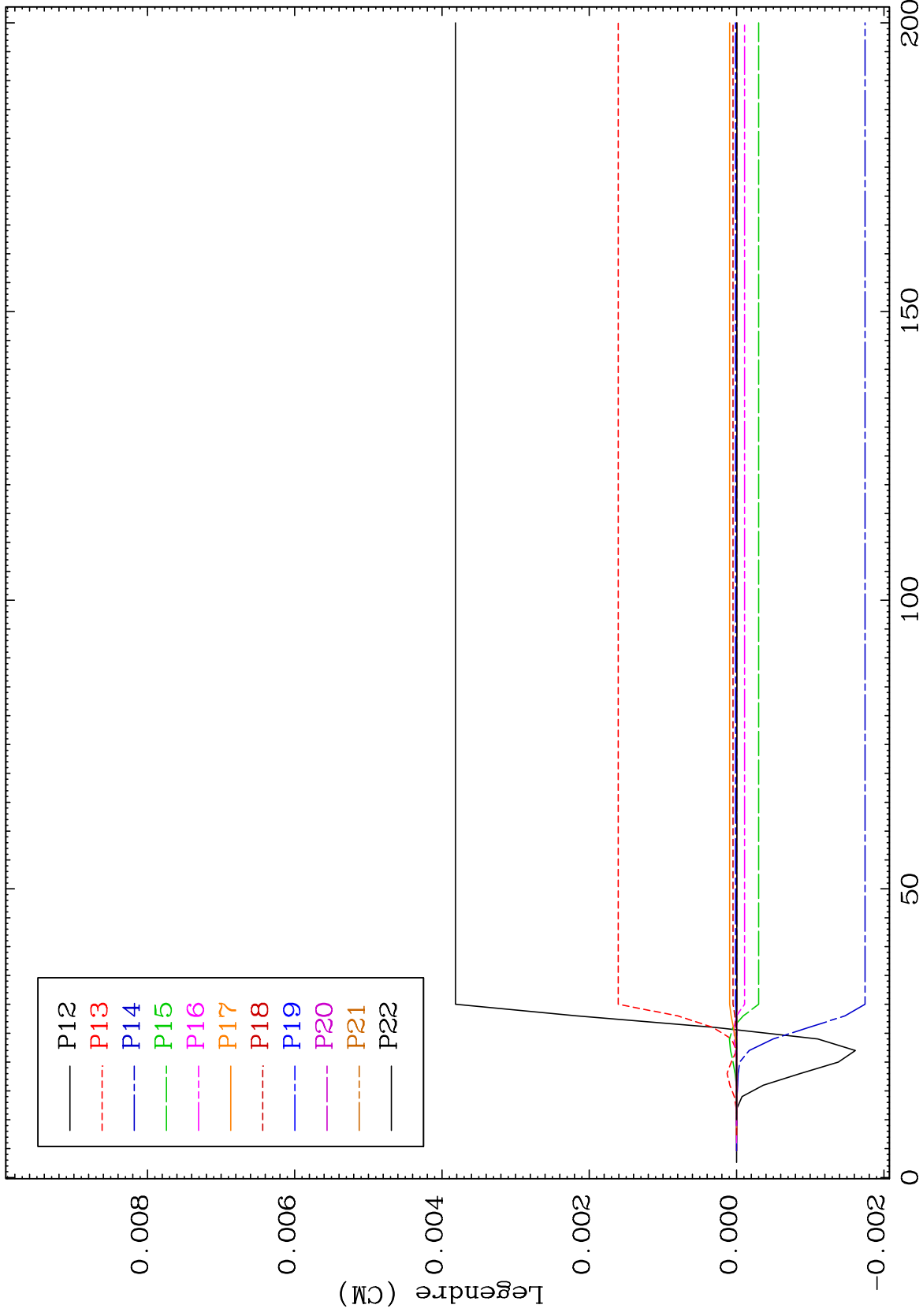
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



64

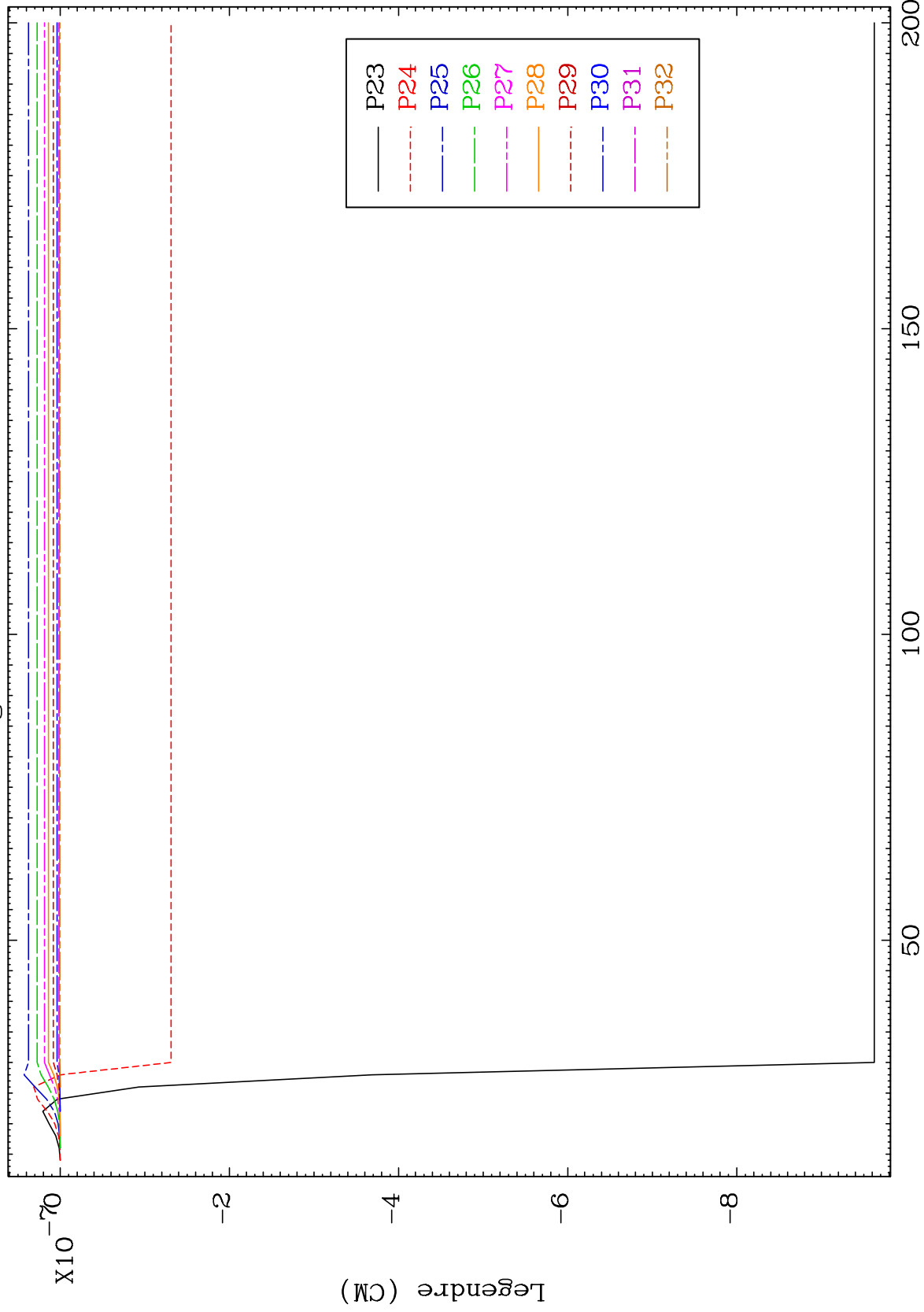
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



65

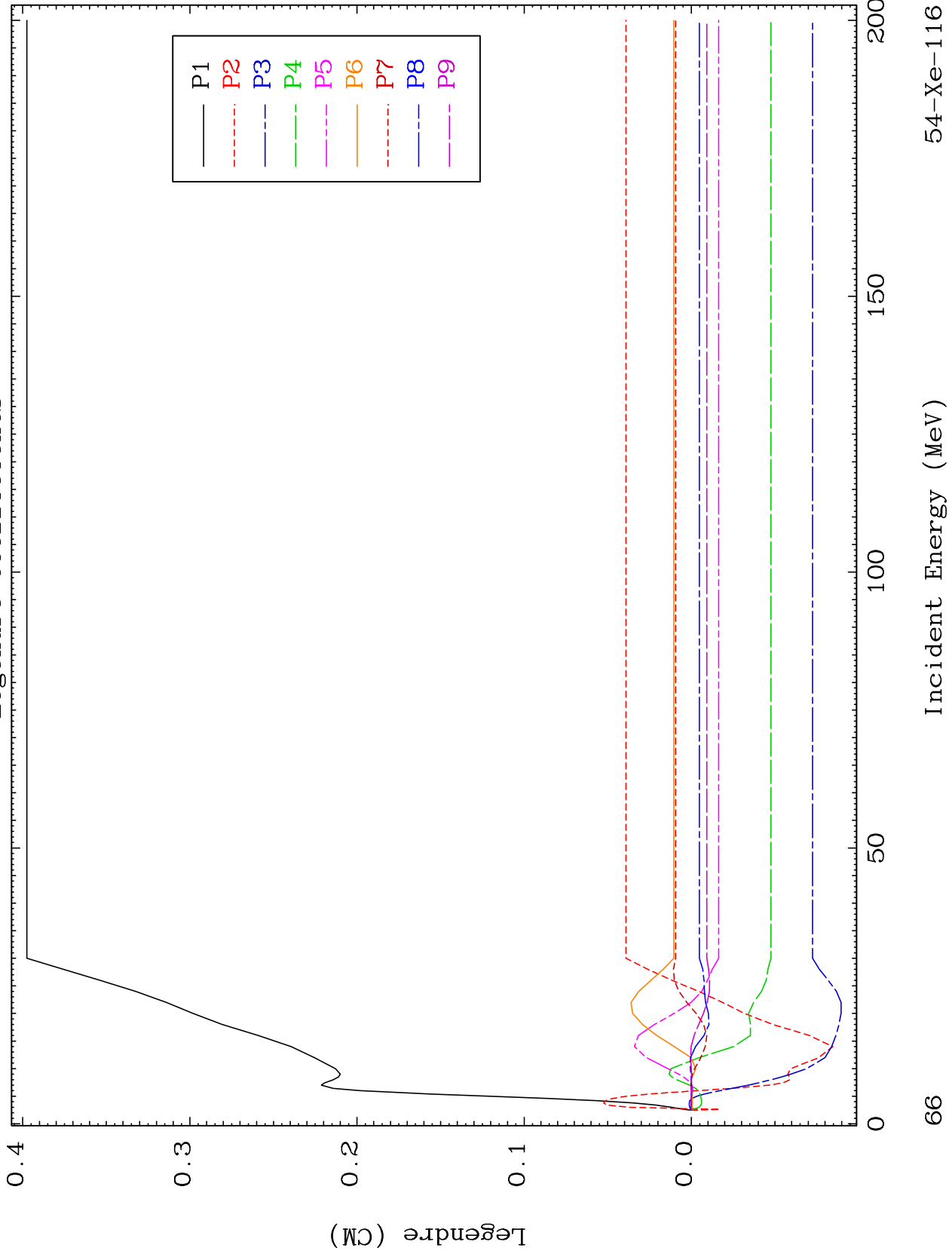
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



66

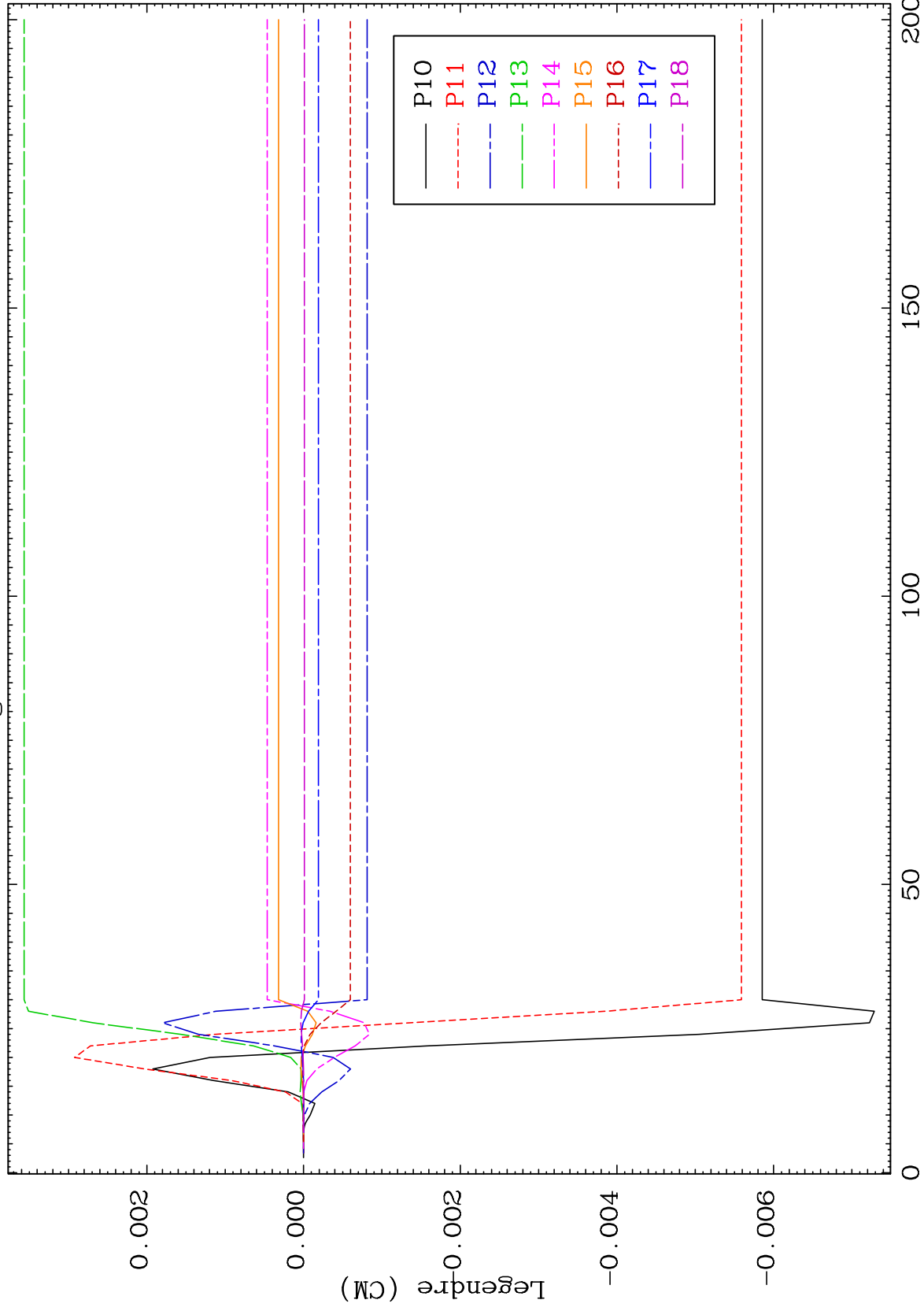
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



67

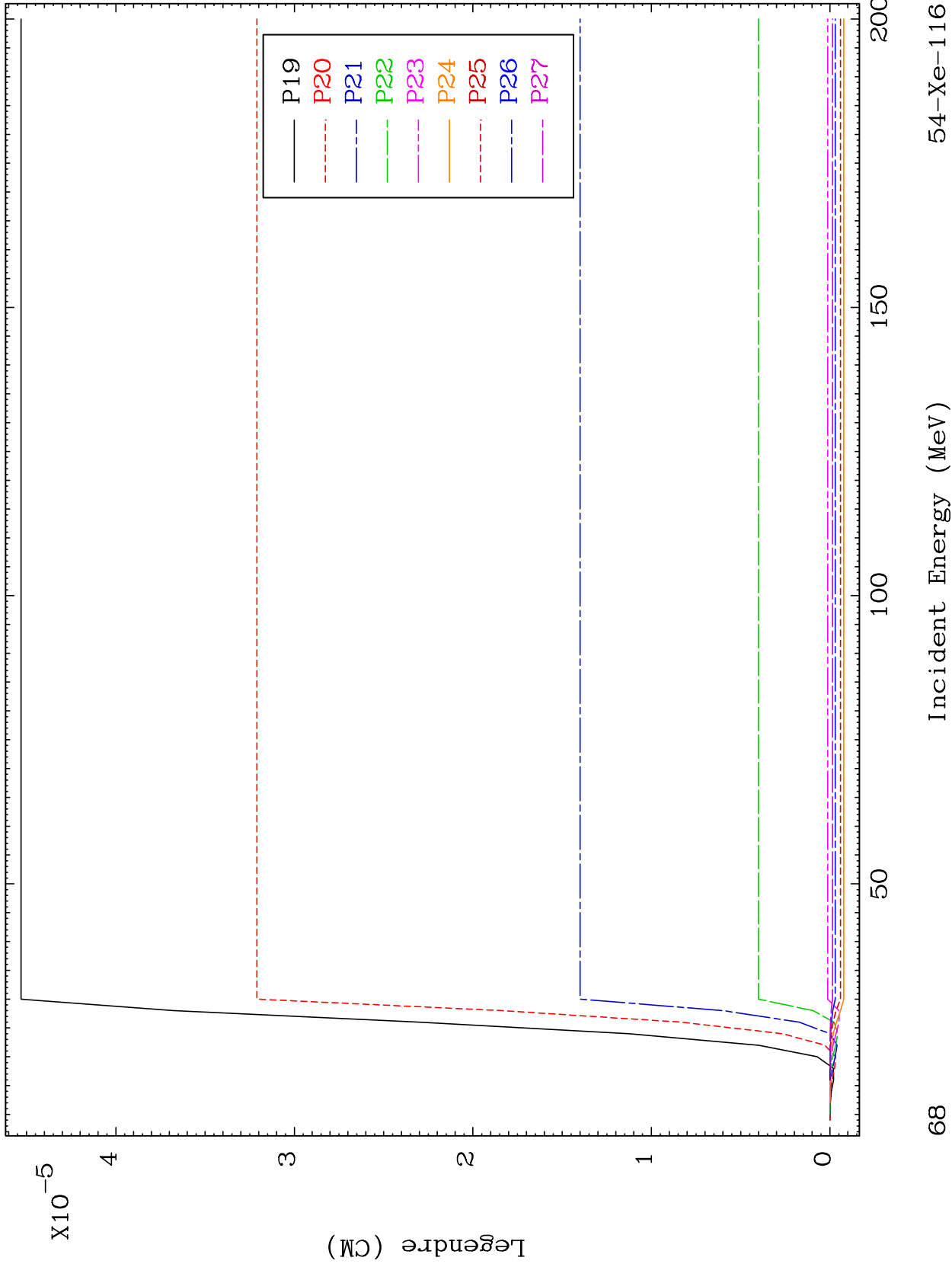
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116

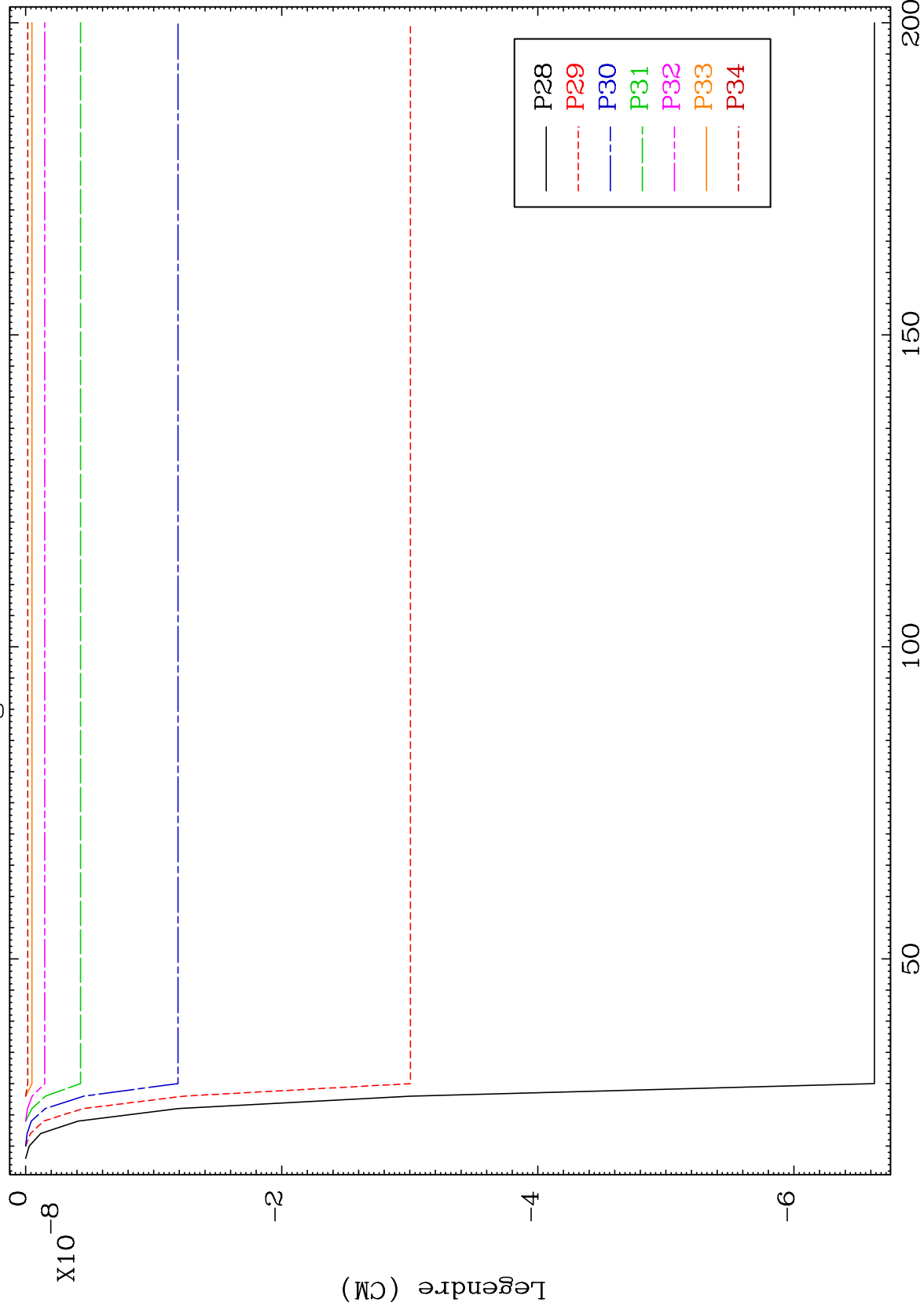


MAT 5401

MT= 63 (n,n') Level

54-Xe-116

Legendre Coefficients



54-Xe-116

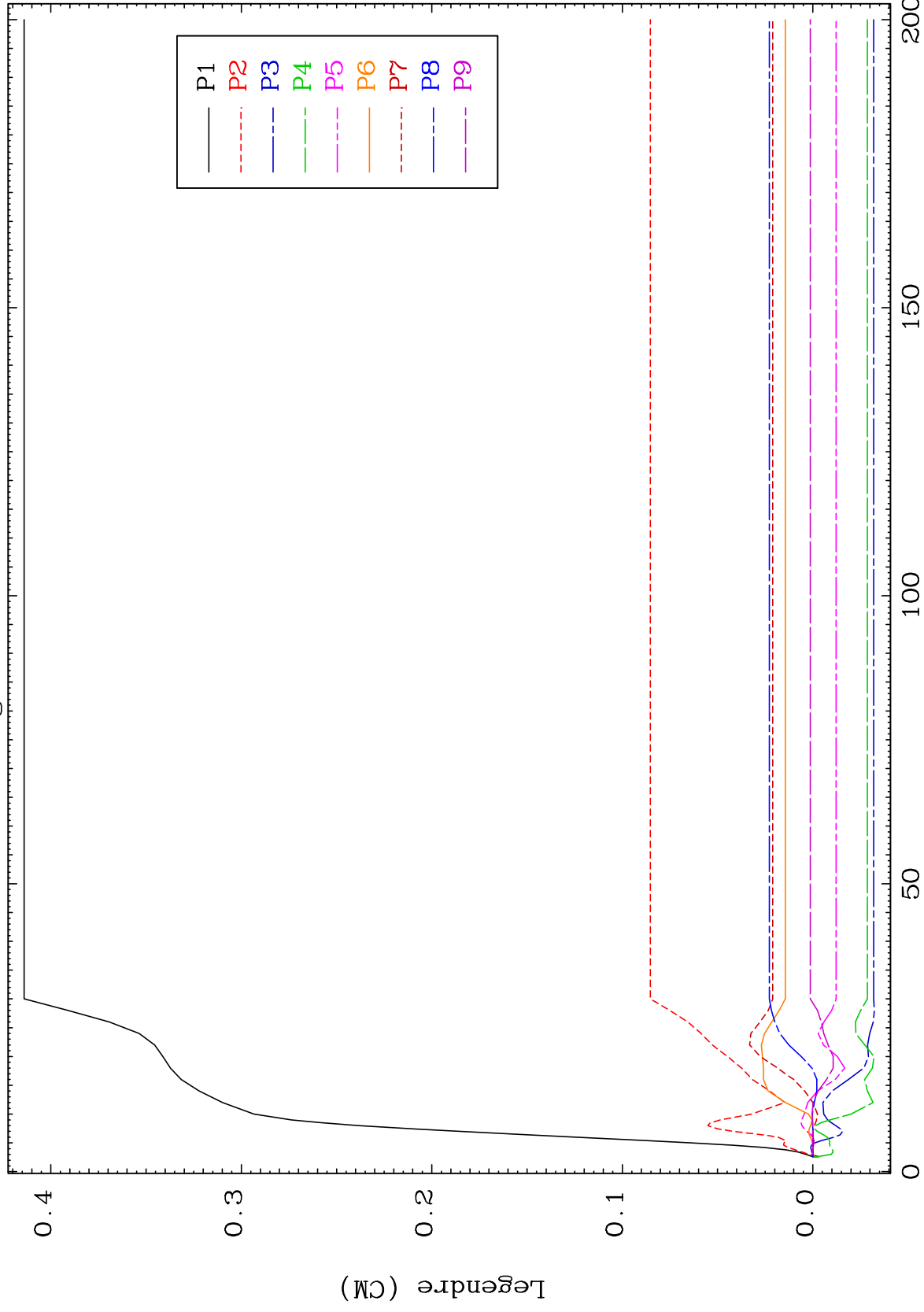
Incident Energy (MeV)

69

MAT 5401

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

54-Xe-116



70

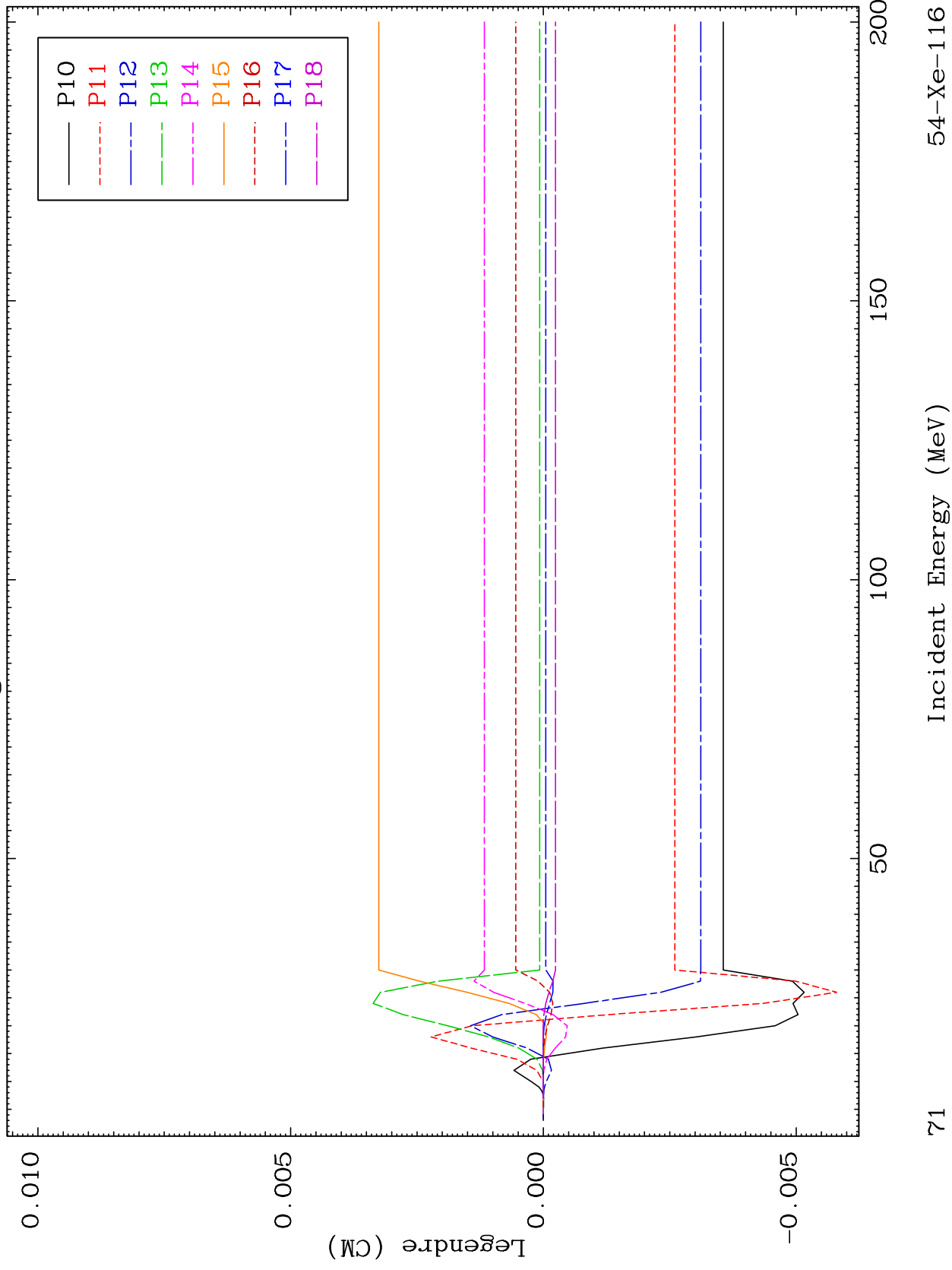
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



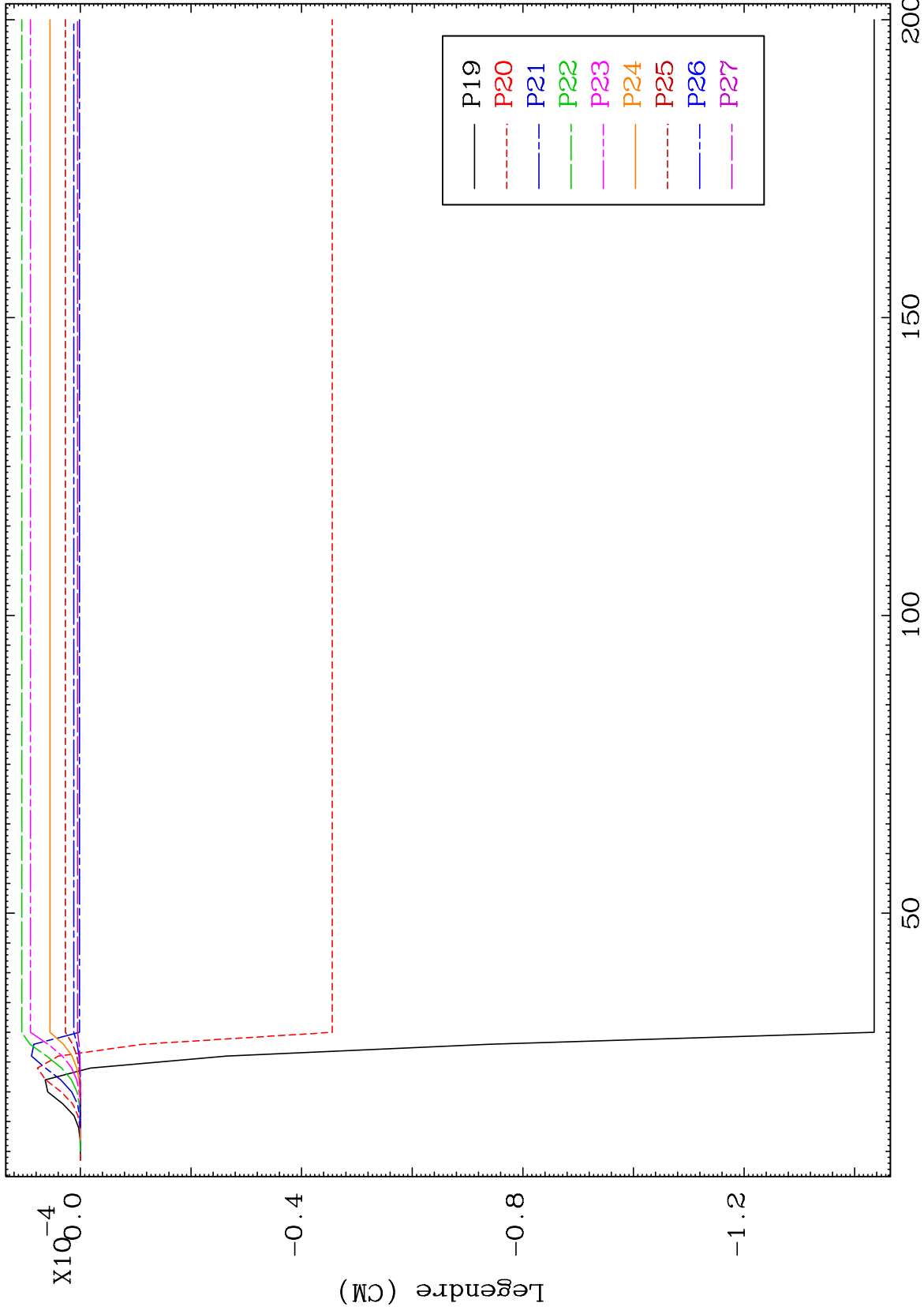
71

54-Xe-116

MAT 5401

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

54-Xe-116



72

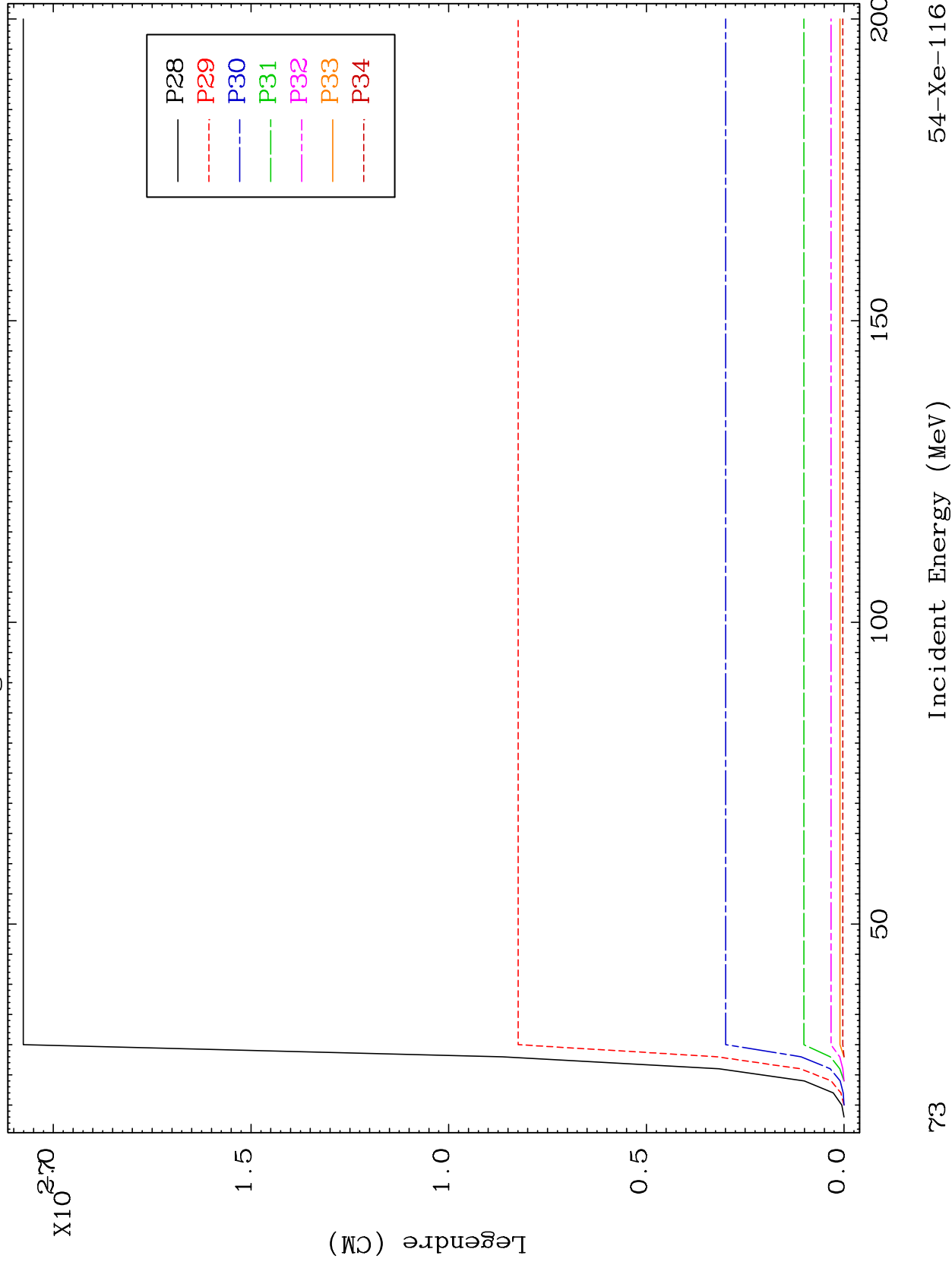
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116

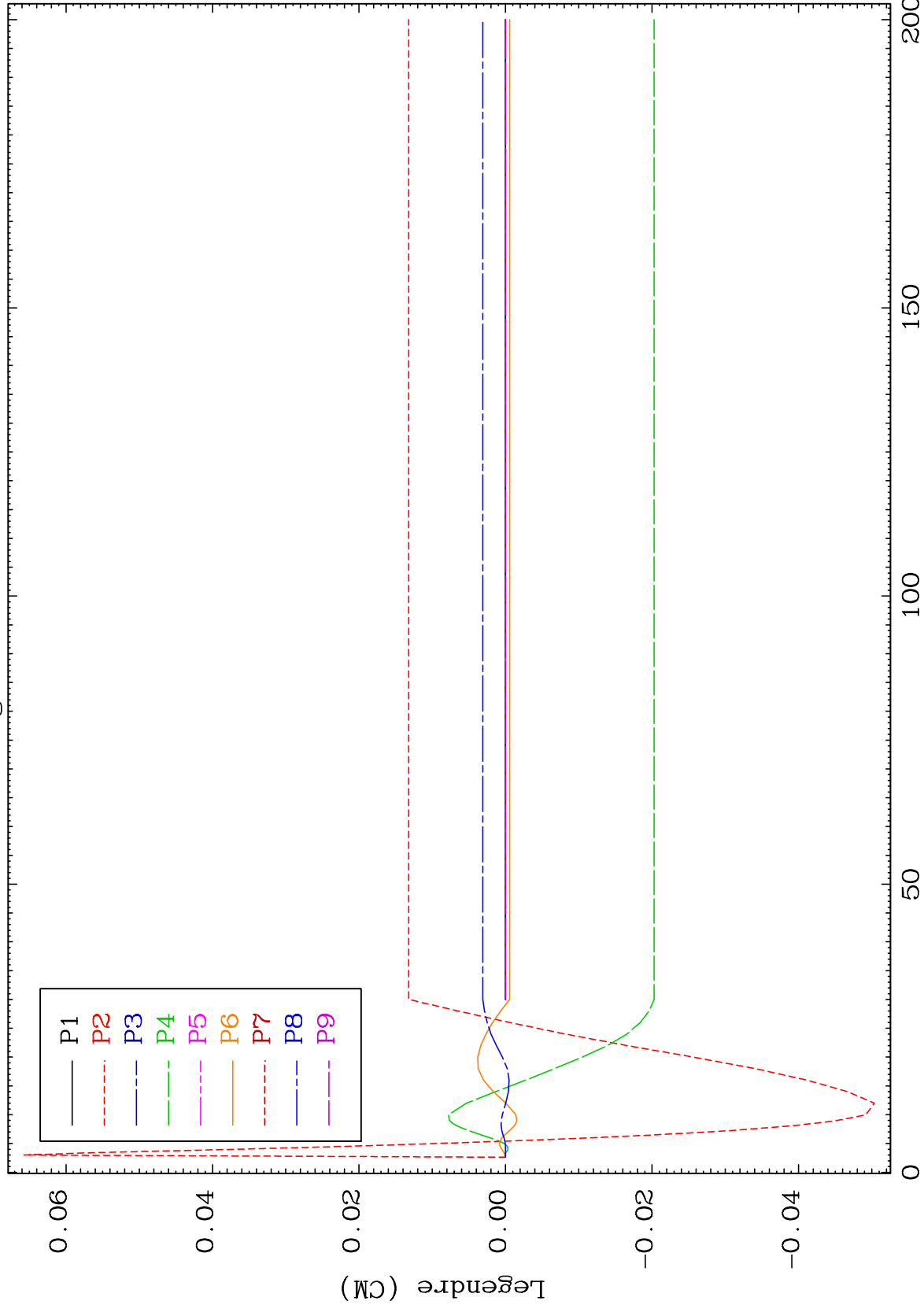


73

MAT 5401

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

54-Xe-116



74

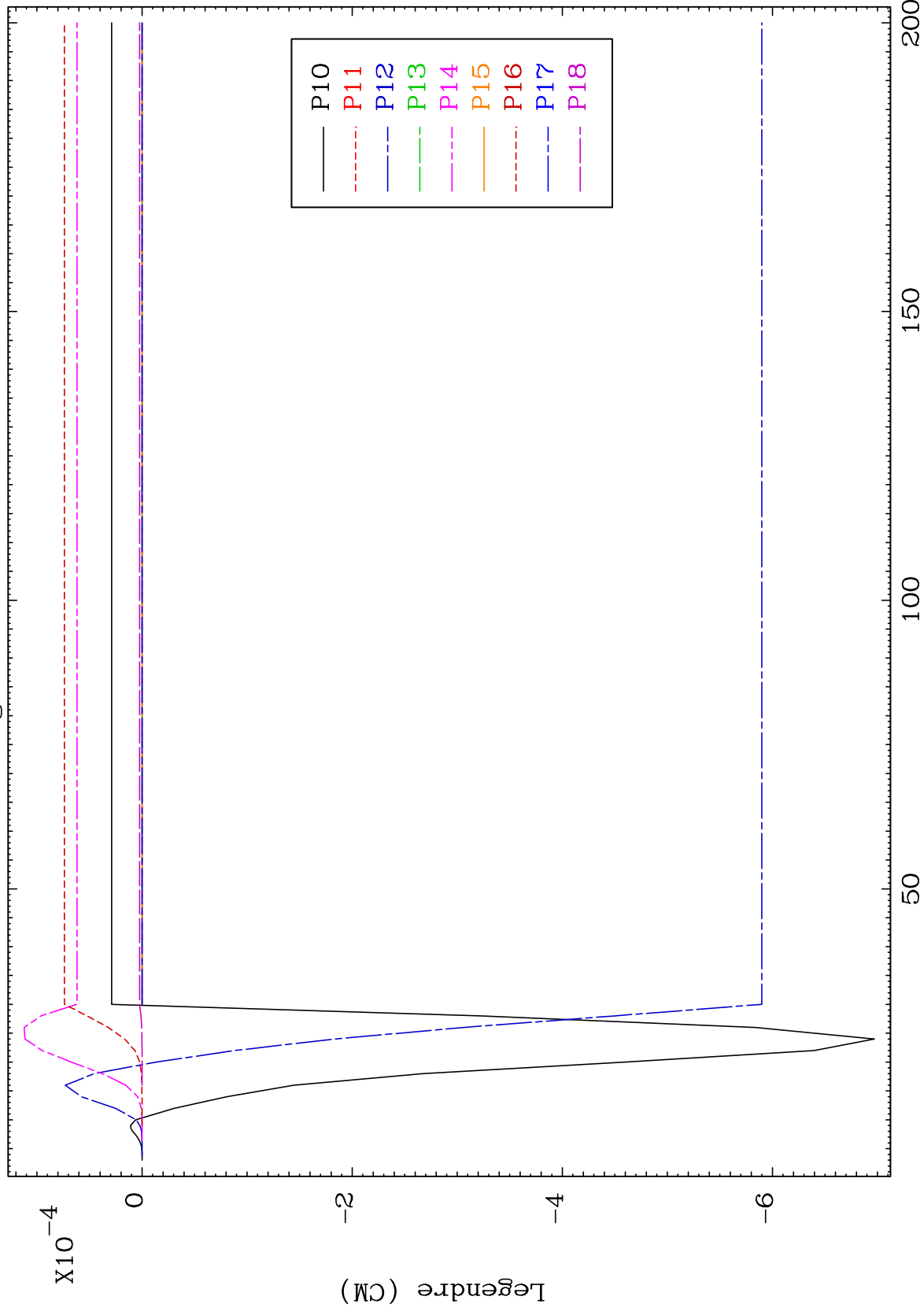
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



75

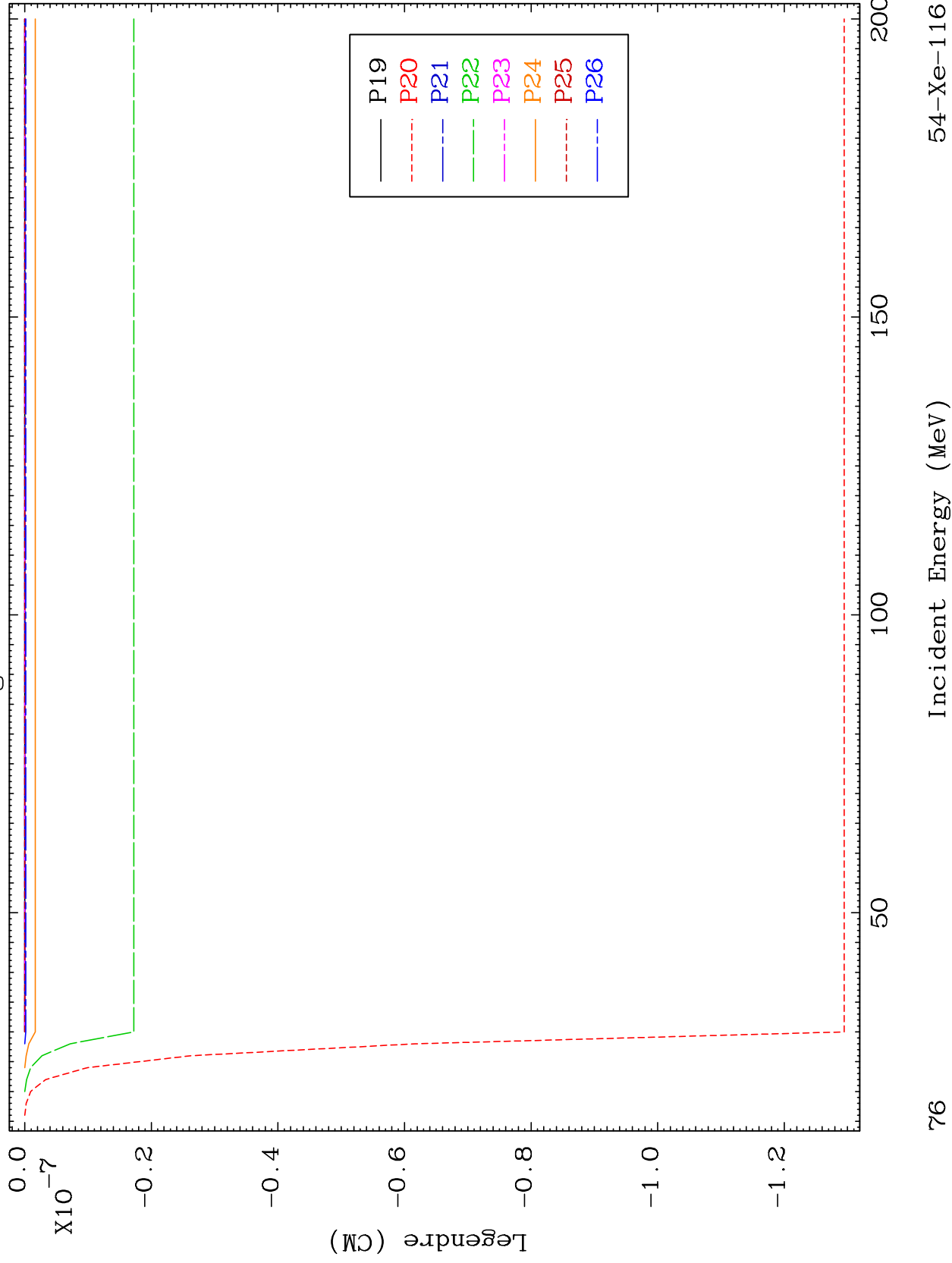
Incident Energy (MeV)

54-Xe-116

MAT 5401

54-Xe-116

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



76

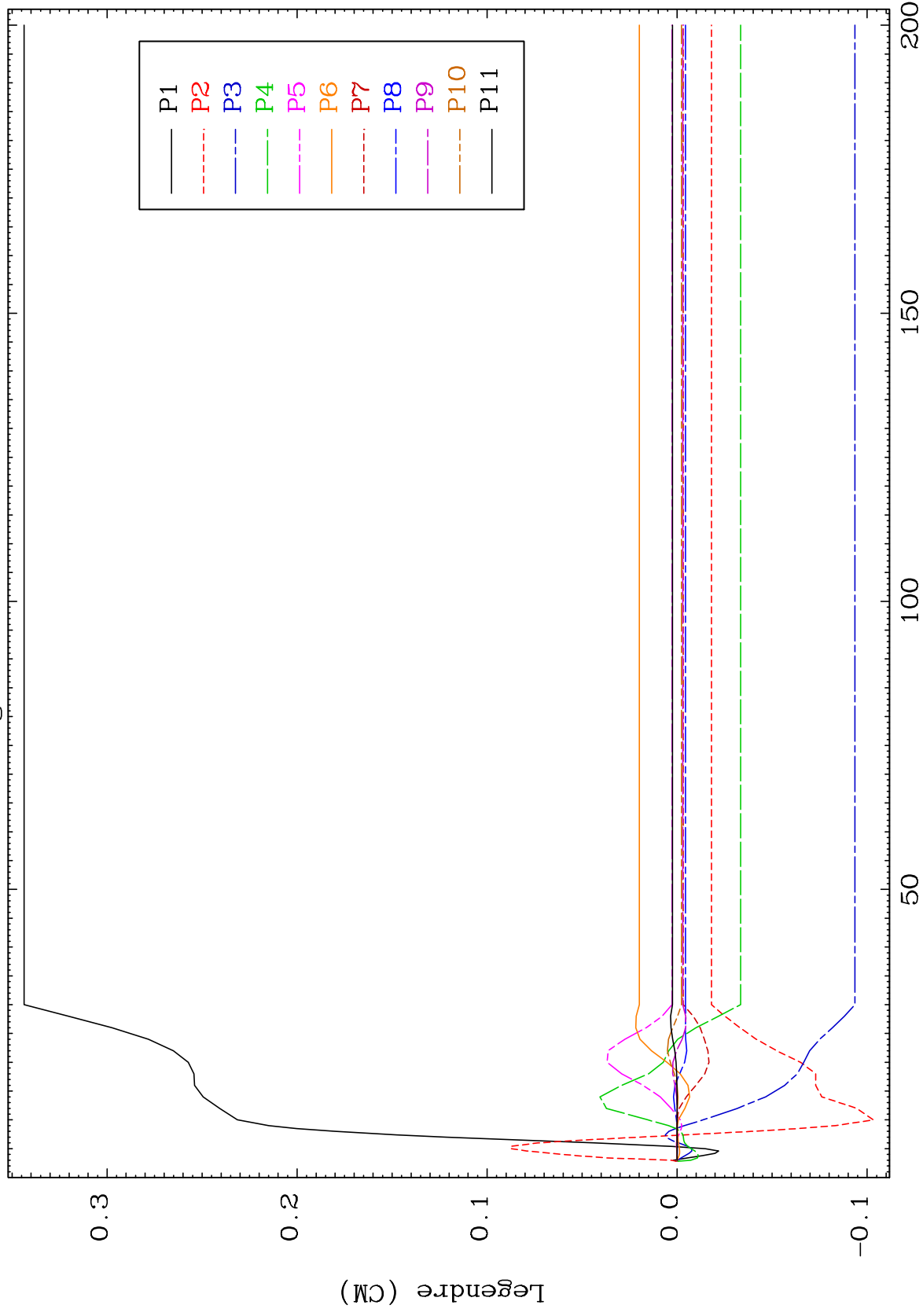
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



77

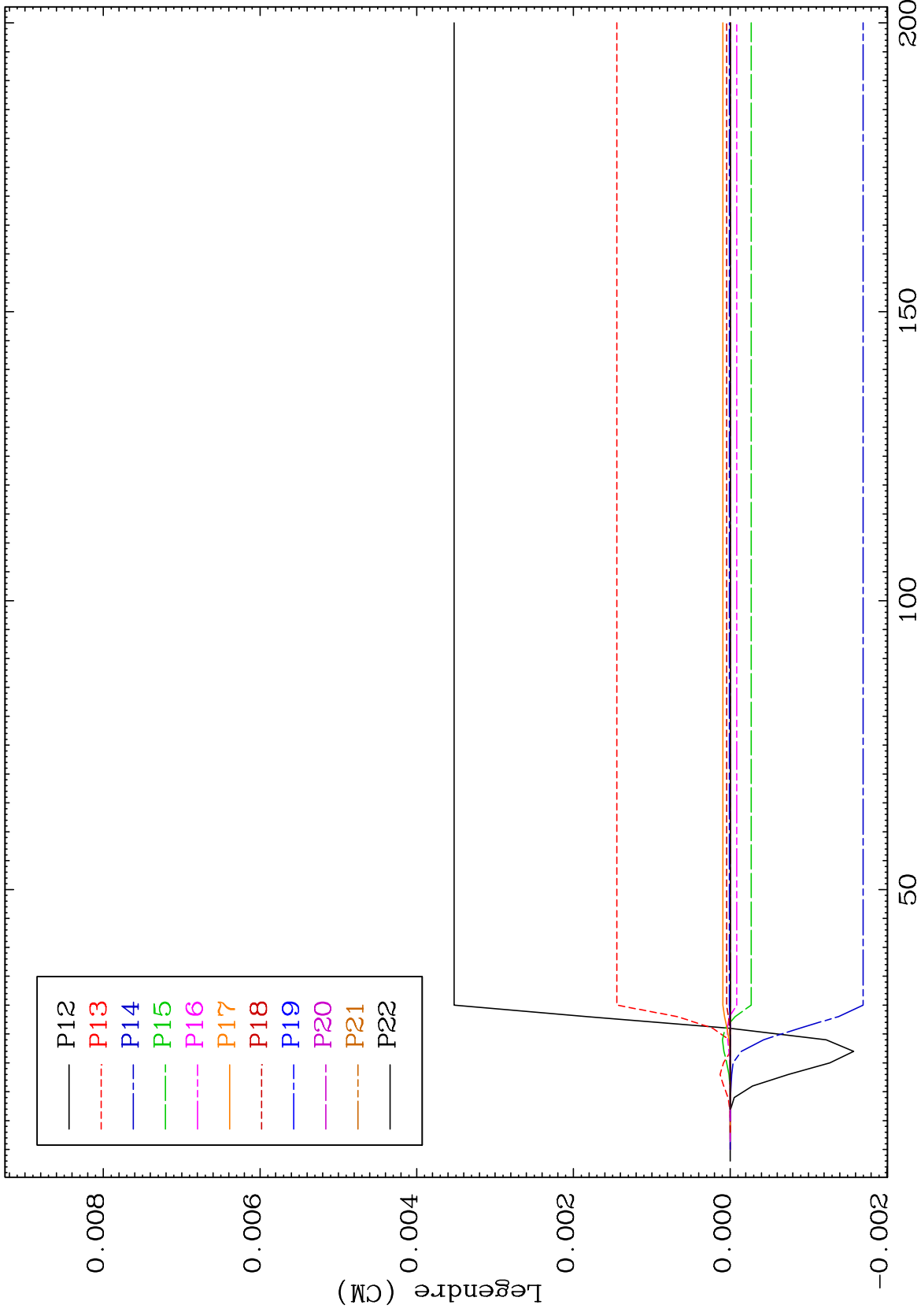
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

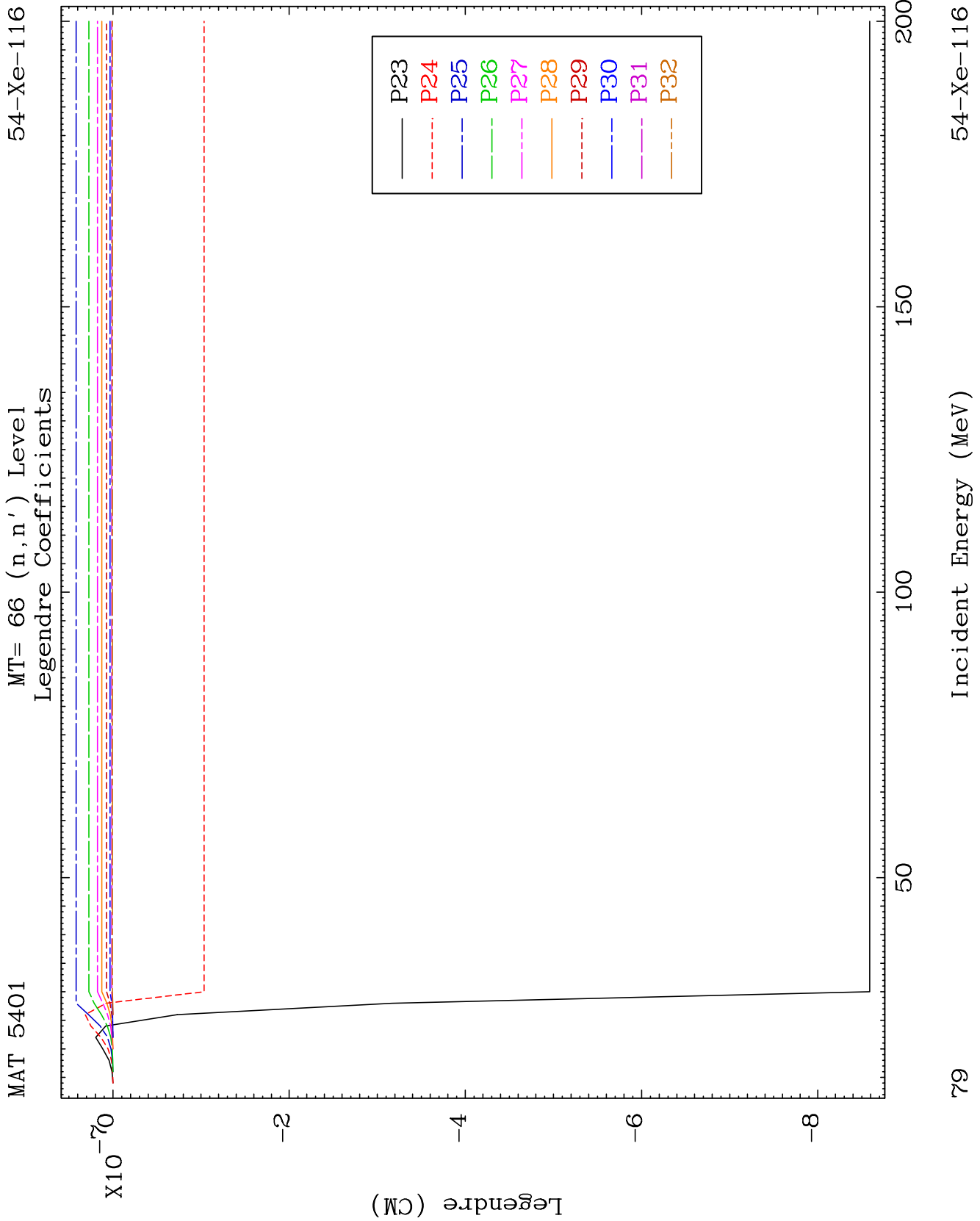
54-Xe-116



78

Incident Energy (MeV)

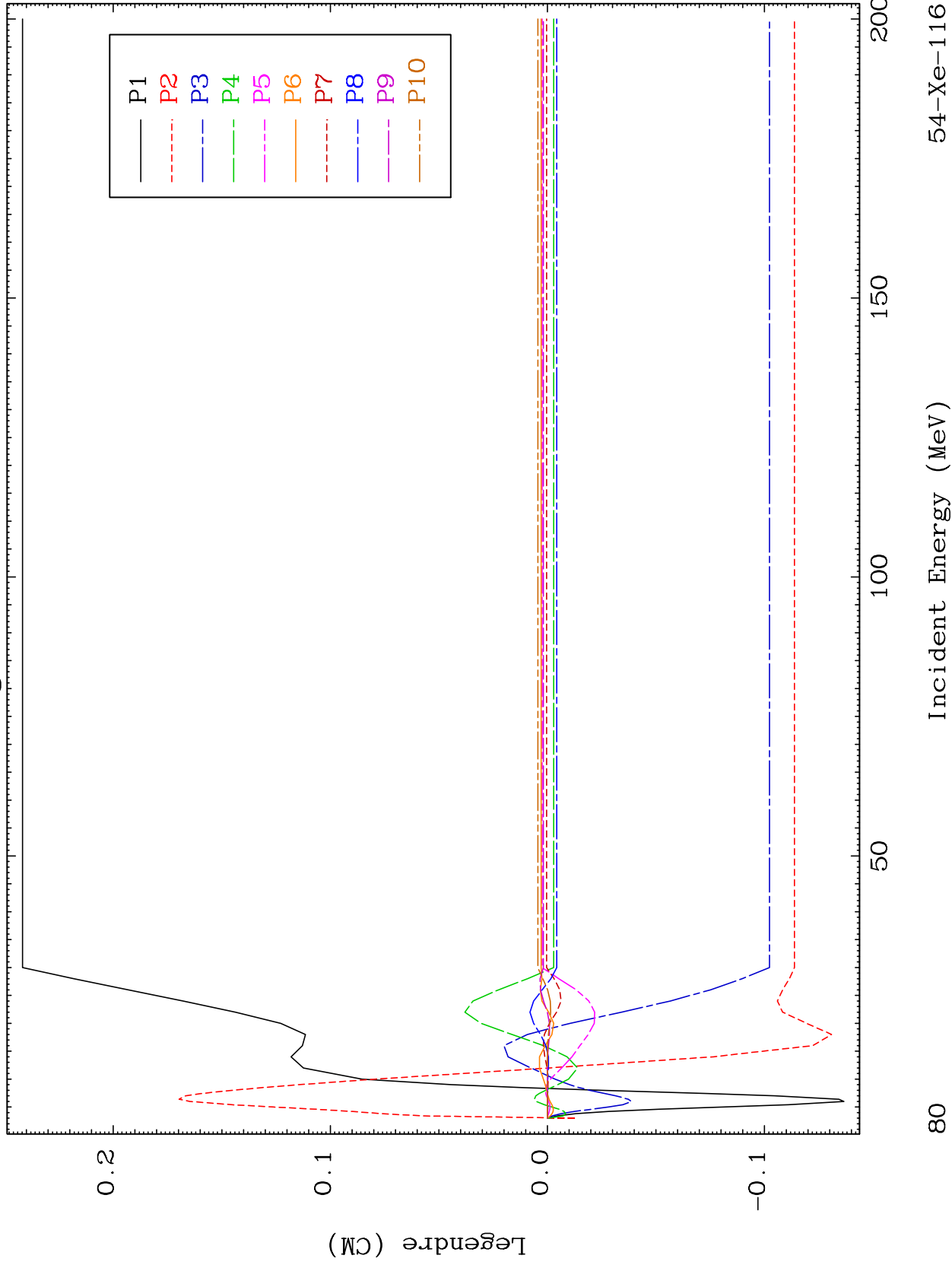
54-Xe-116



MAT 5401

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

54-Xe-116



54-Xe-116

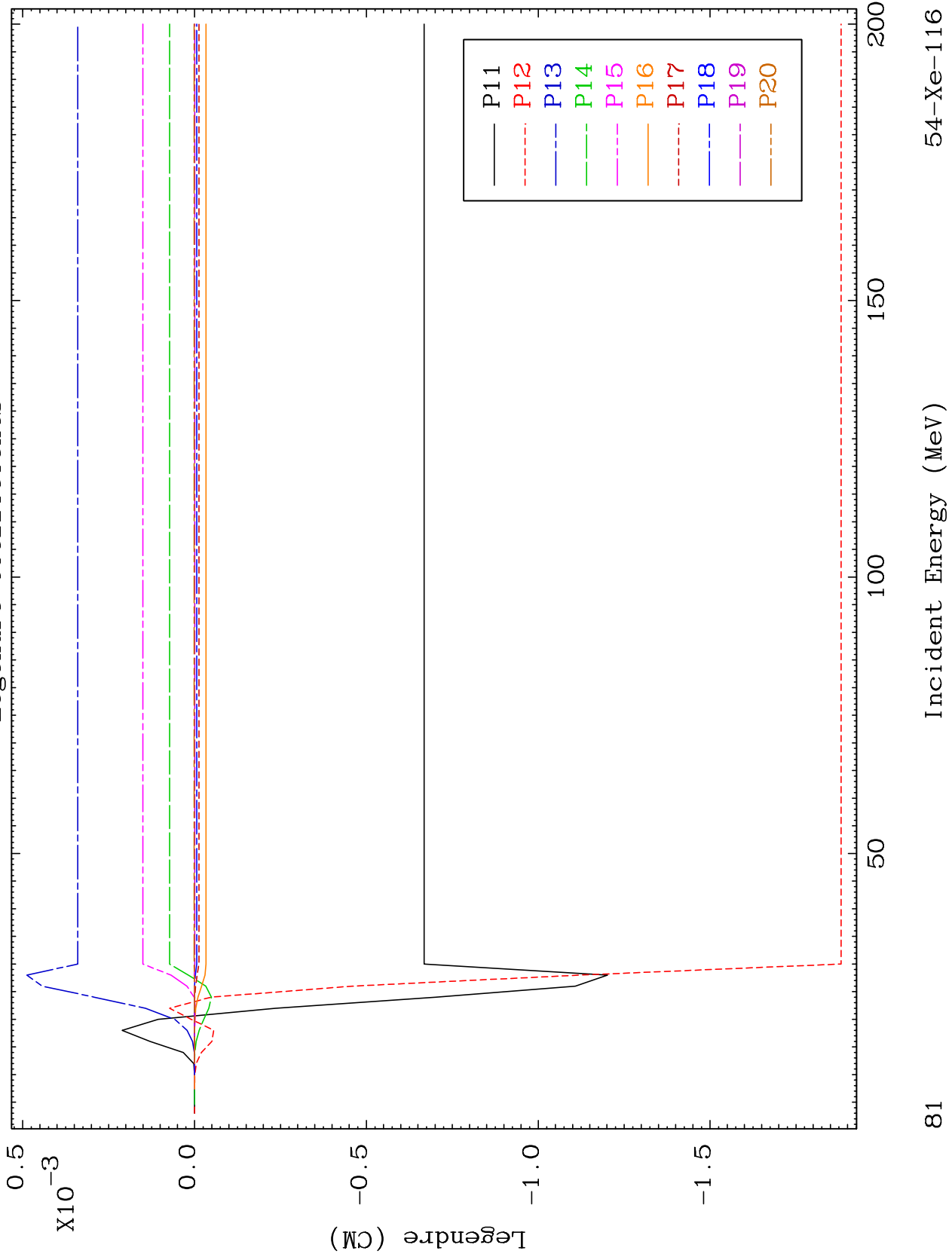
Incident Energy (MeV)

80

MAT 5401

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

54-Xe-116



81

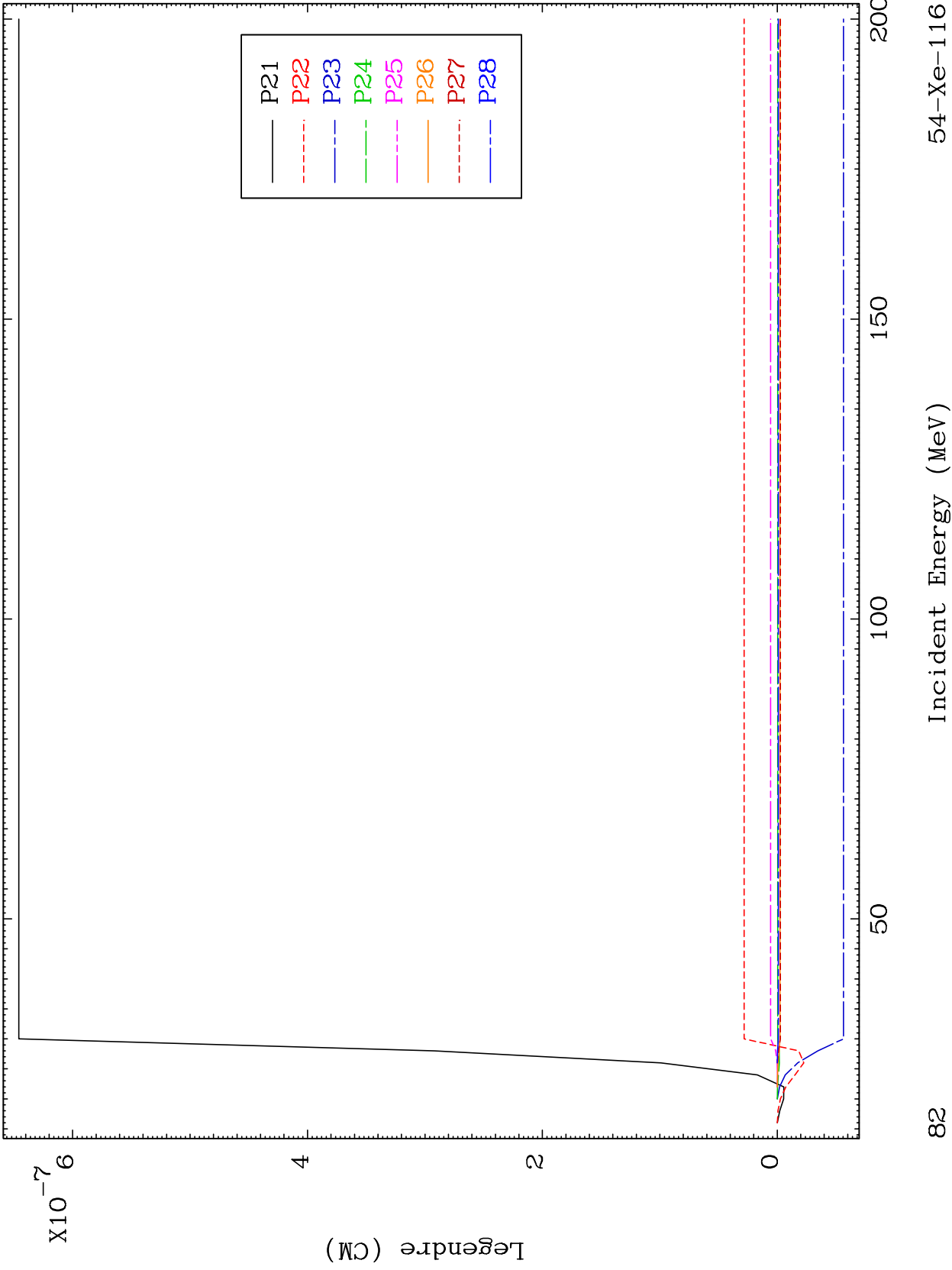
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

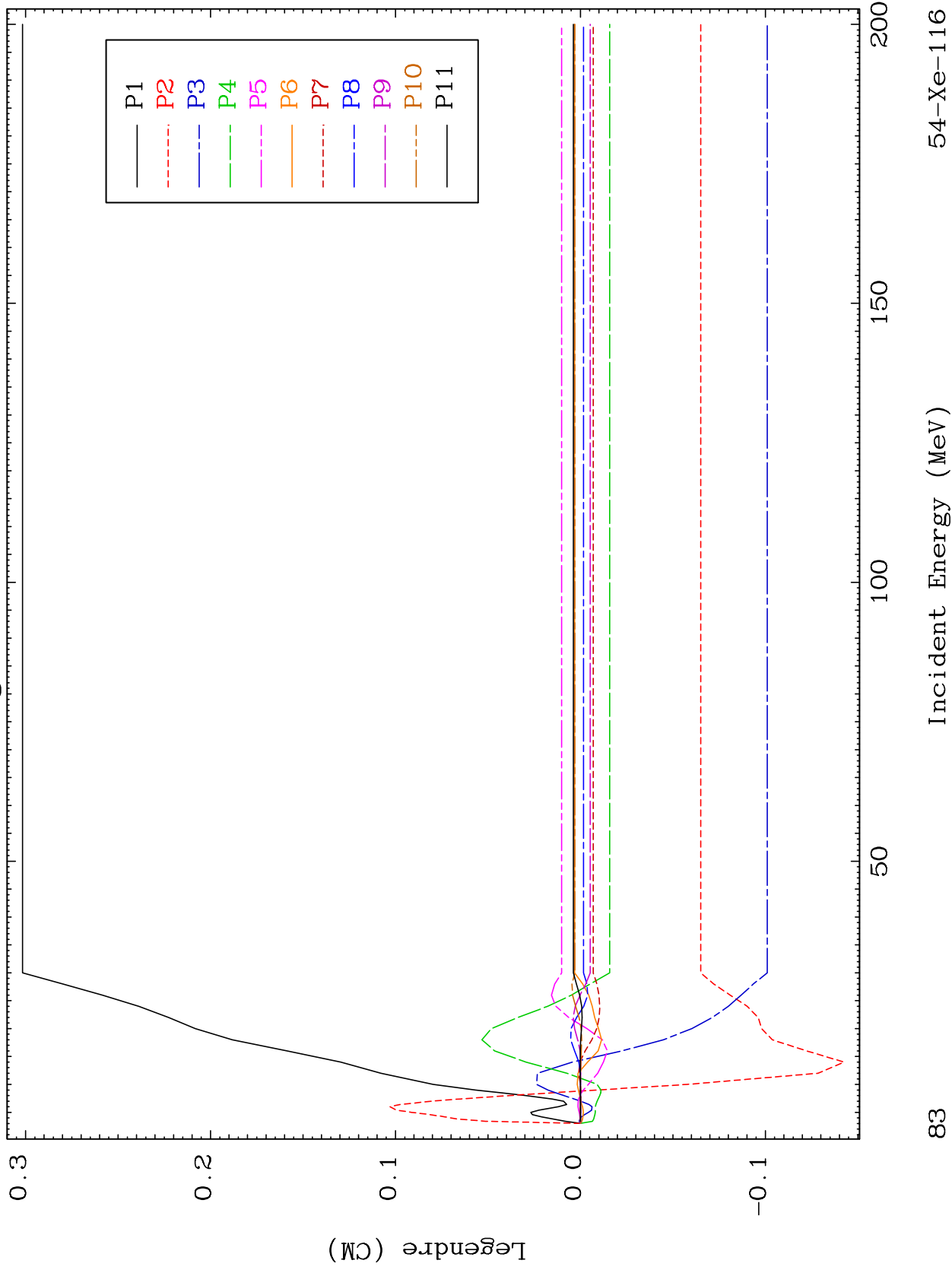
54-Xe-116



MAT 5401

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

54-Xe-116



83

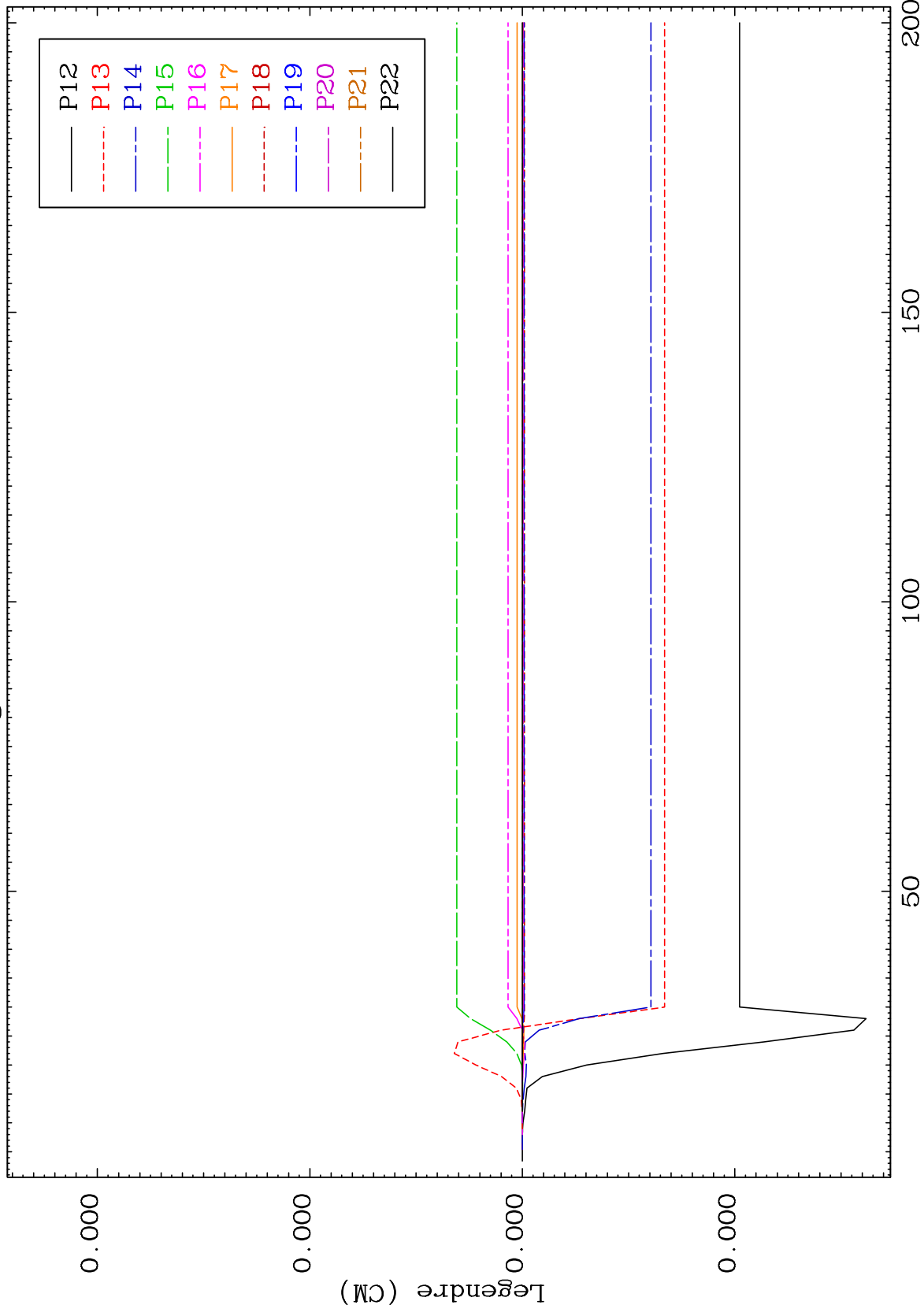
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



84

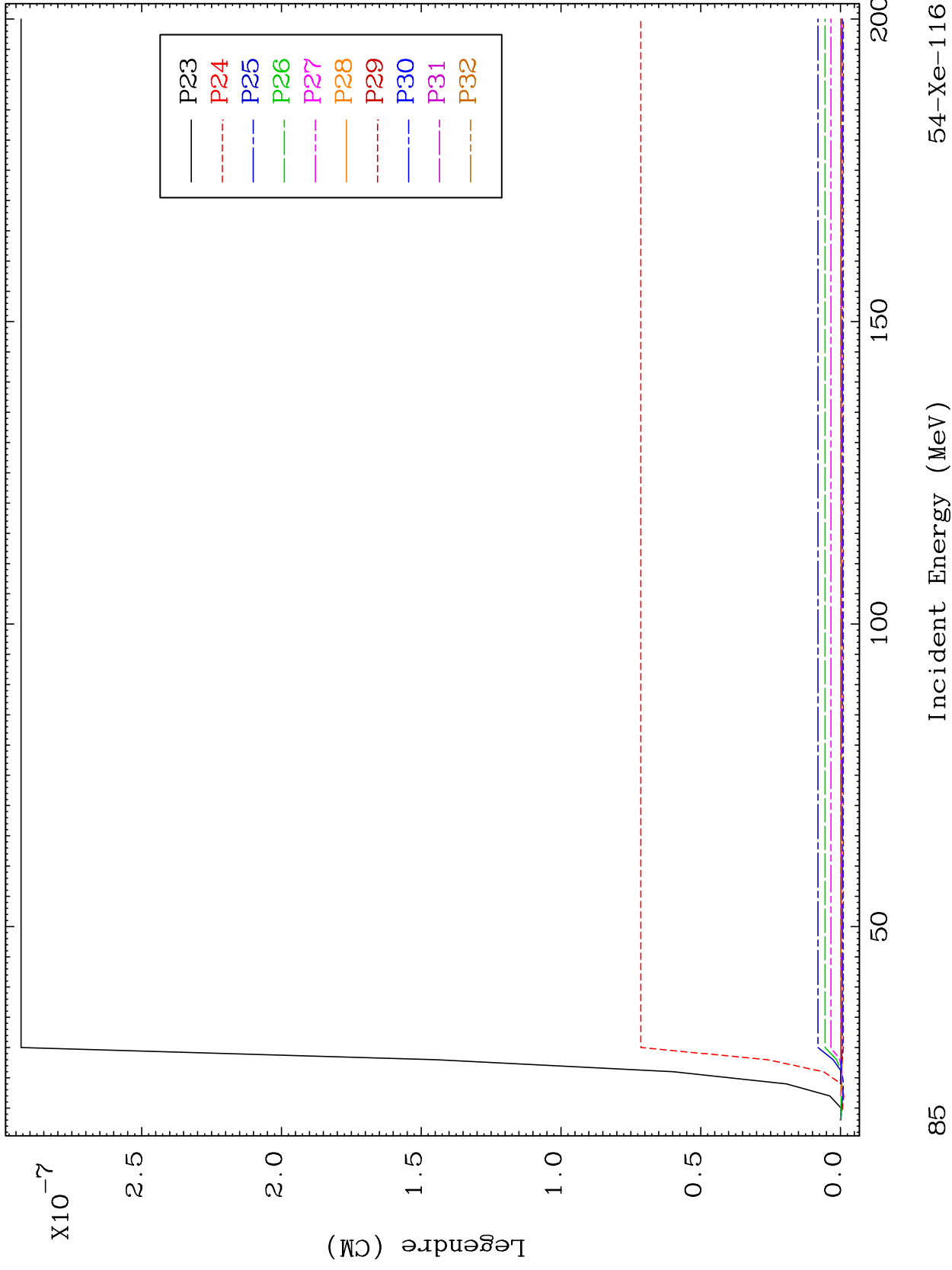
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

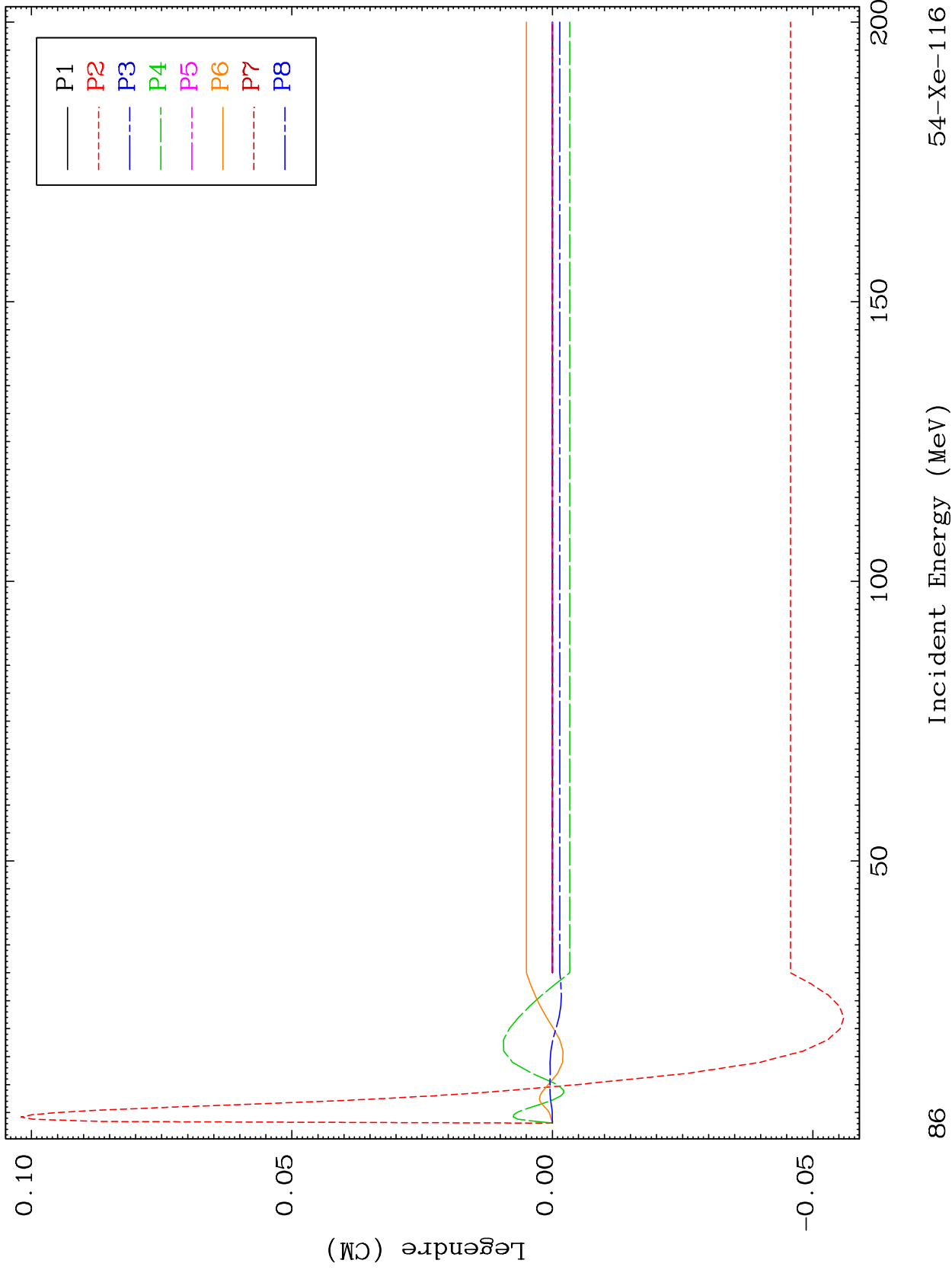
54-Xe-116



MAT 5401

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

54-Xe-116



86

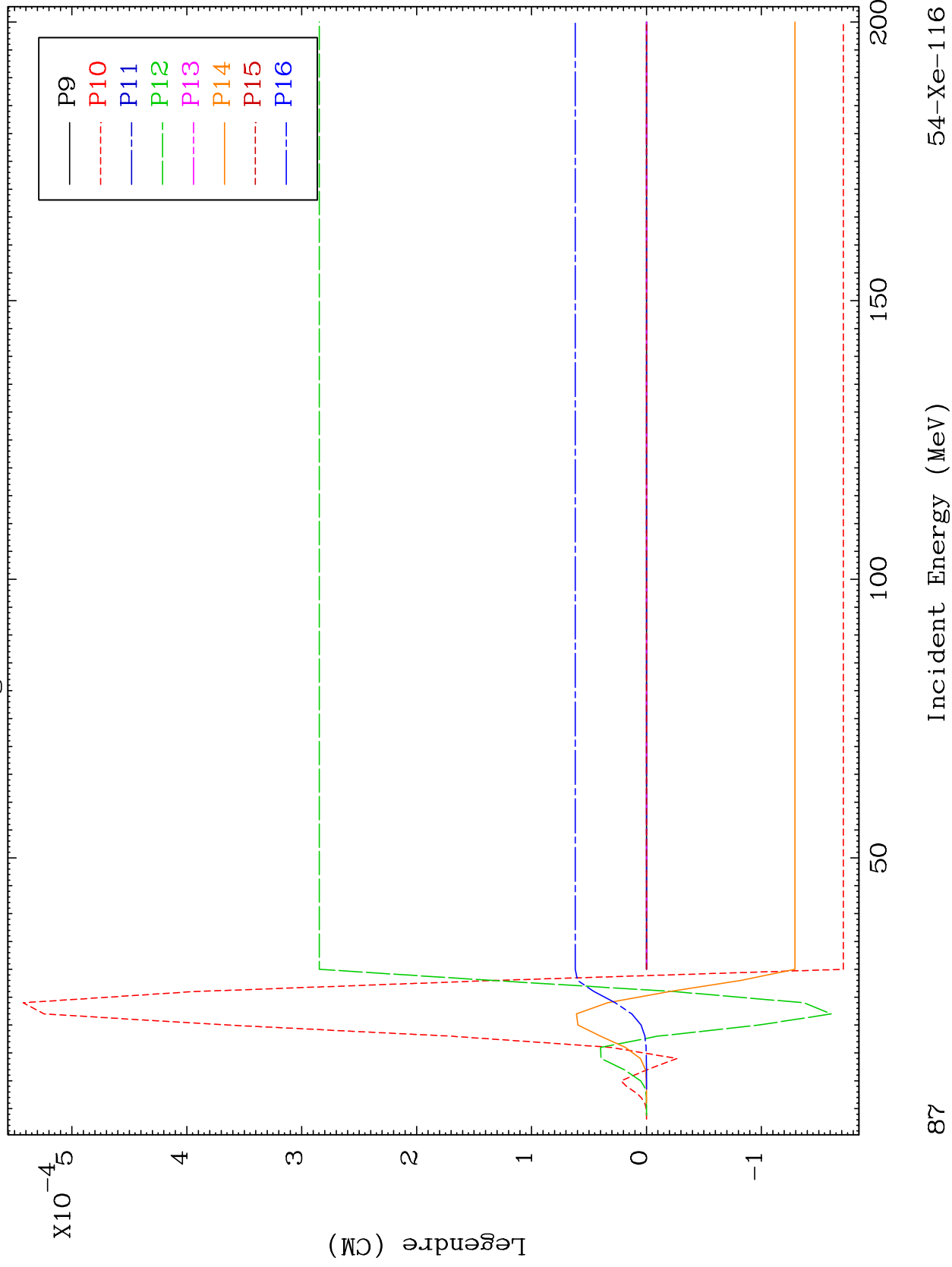
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



87

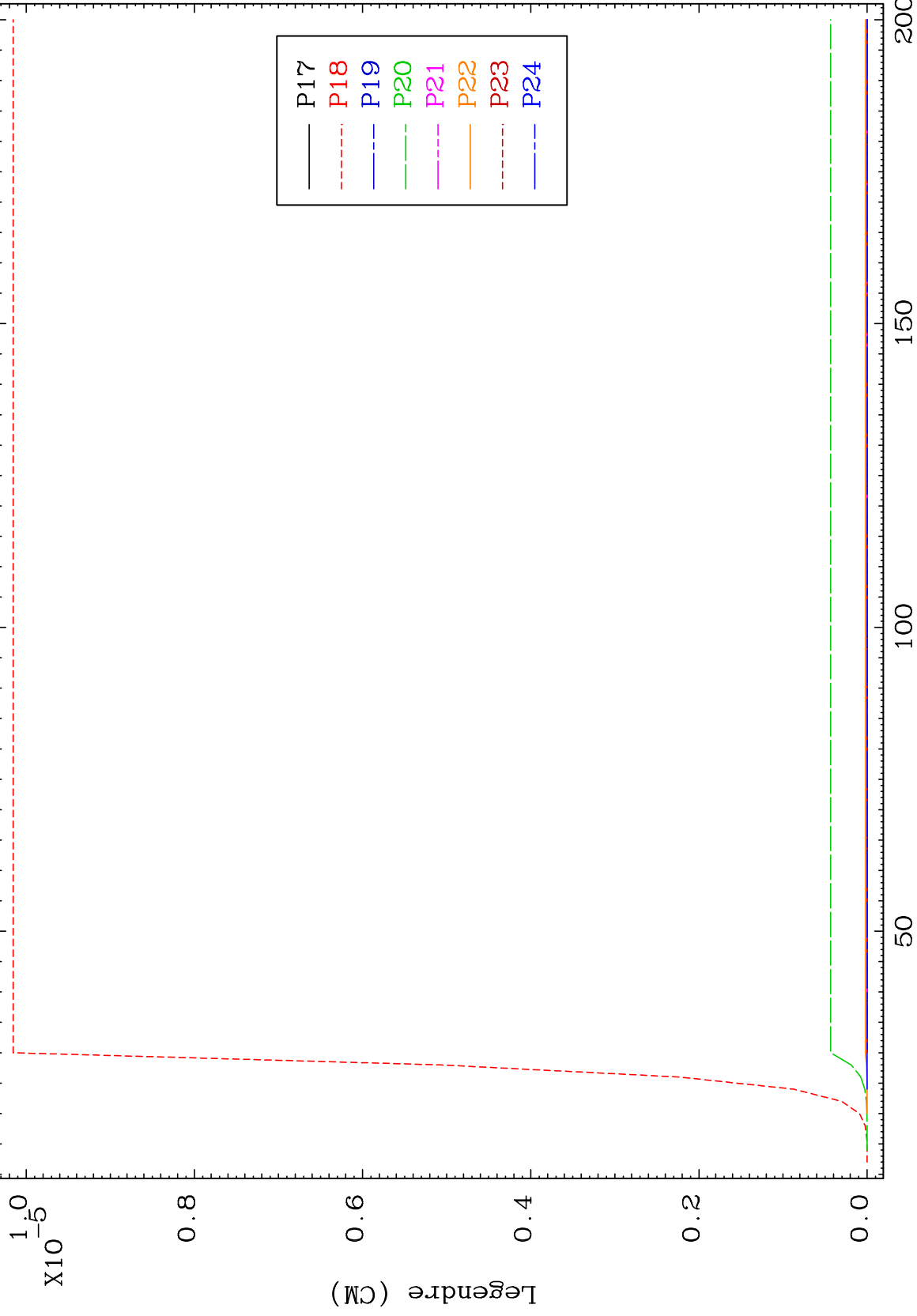
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

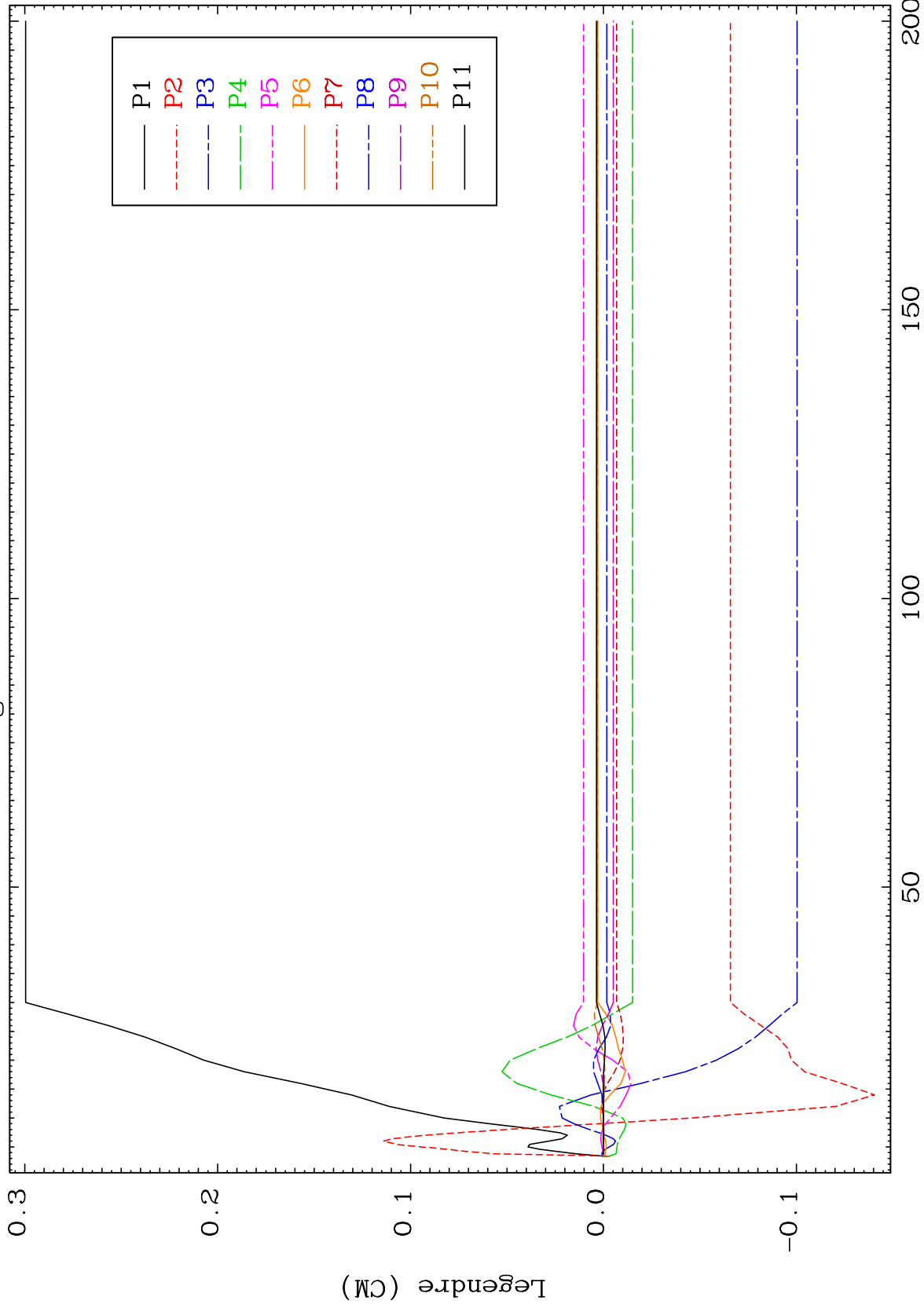
54-Xe-116



88

Incident Energy (MeV)

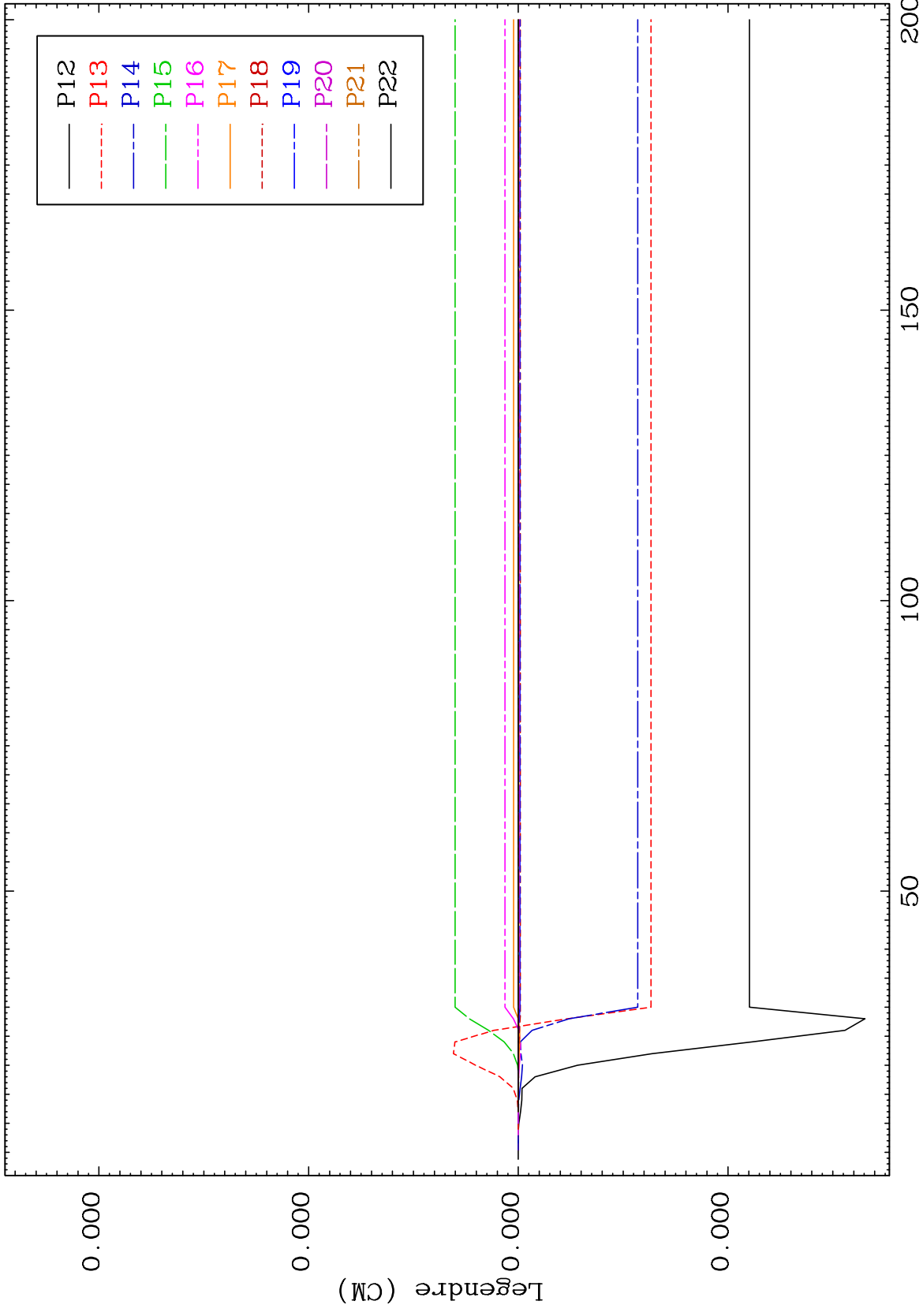
54-Xe-116



MAT 5401

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

54-Xe-116



90

Incident Energy (MeV)

50

100

150

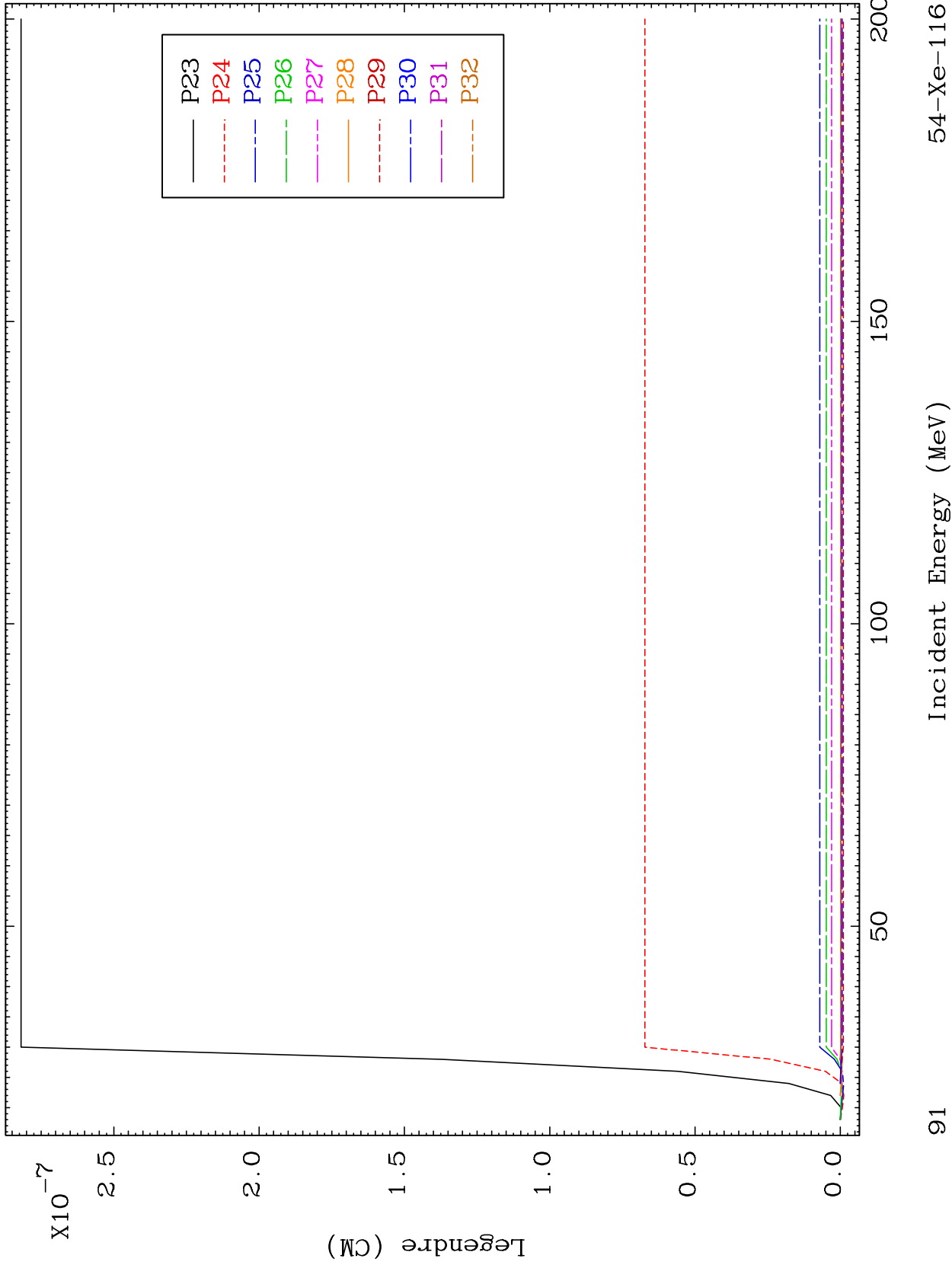
200

54-Xe-116

MAT 5401

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

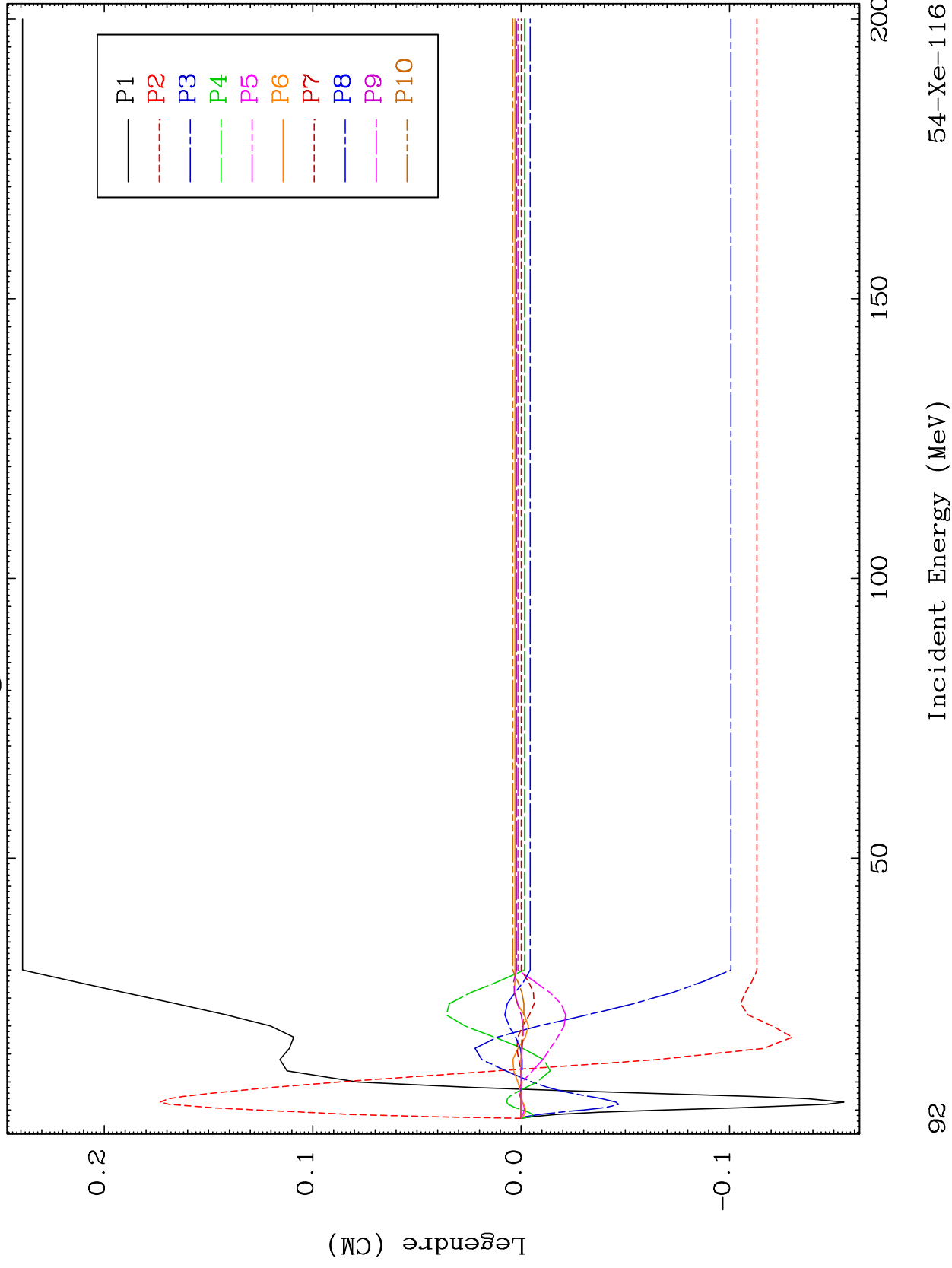
54-Xe-116



MAT 5401

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

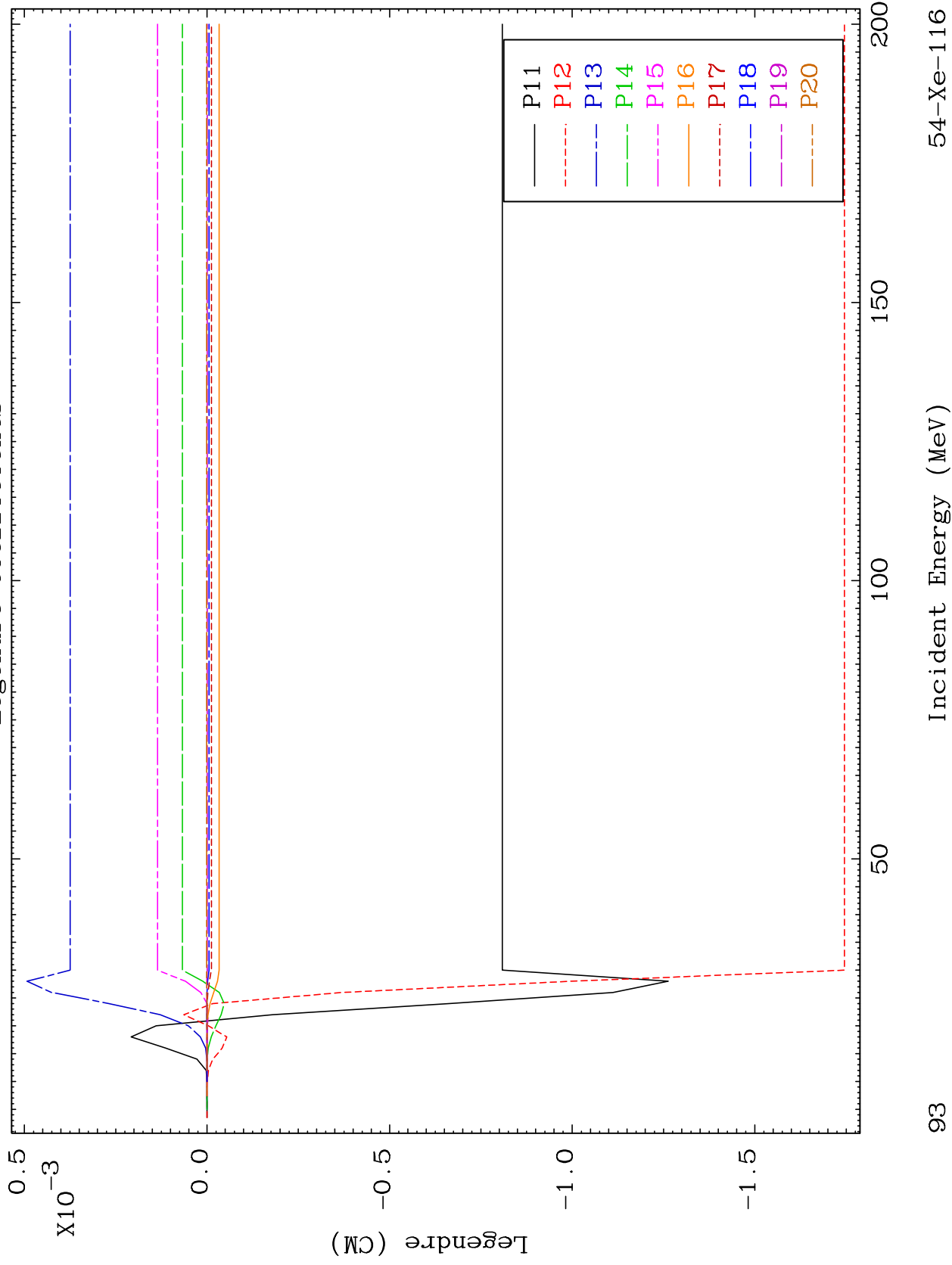
54-Xe-116



92

Incident Energy (MeV)

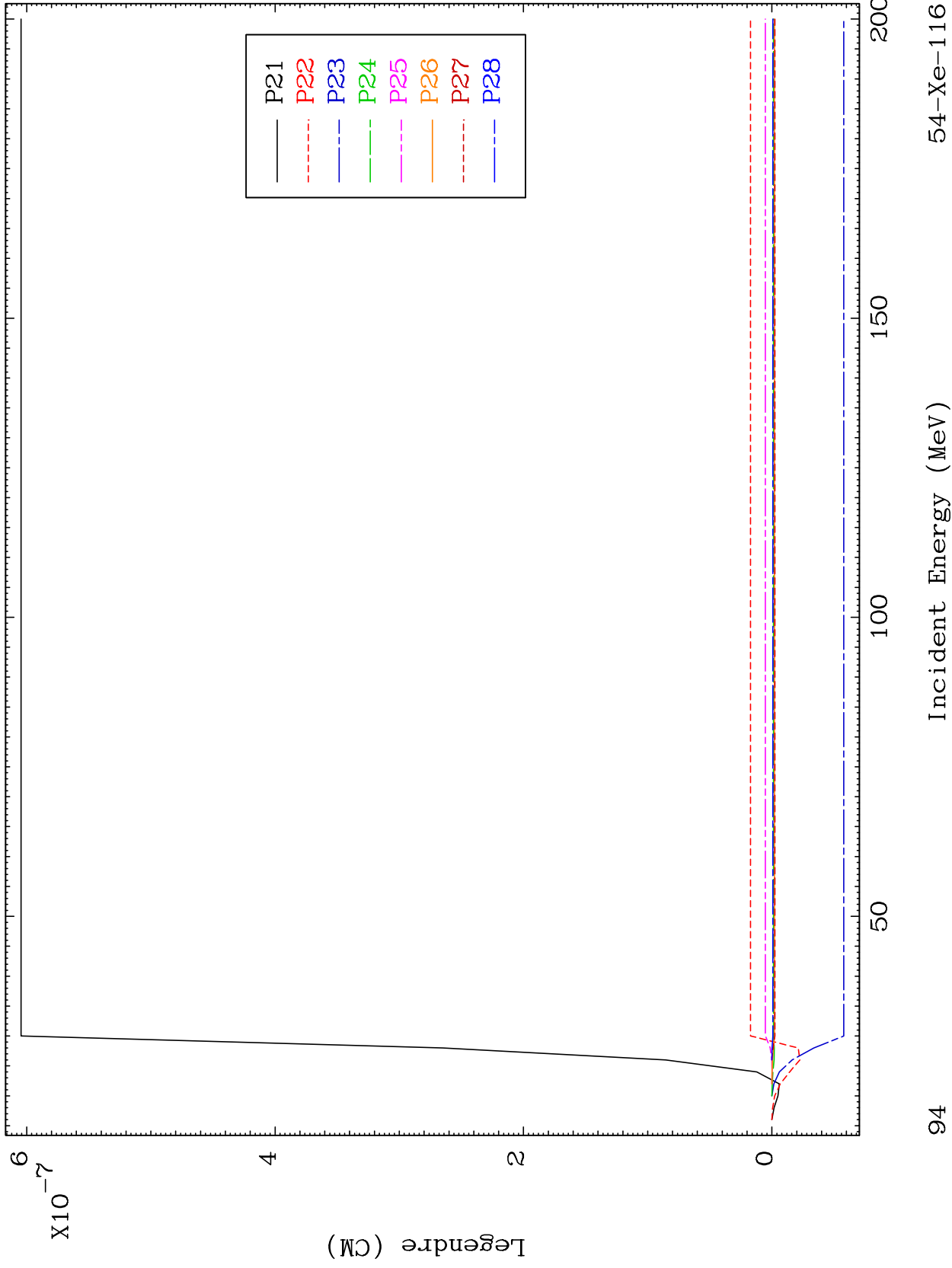
54-Xe-116



MAT 5401

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

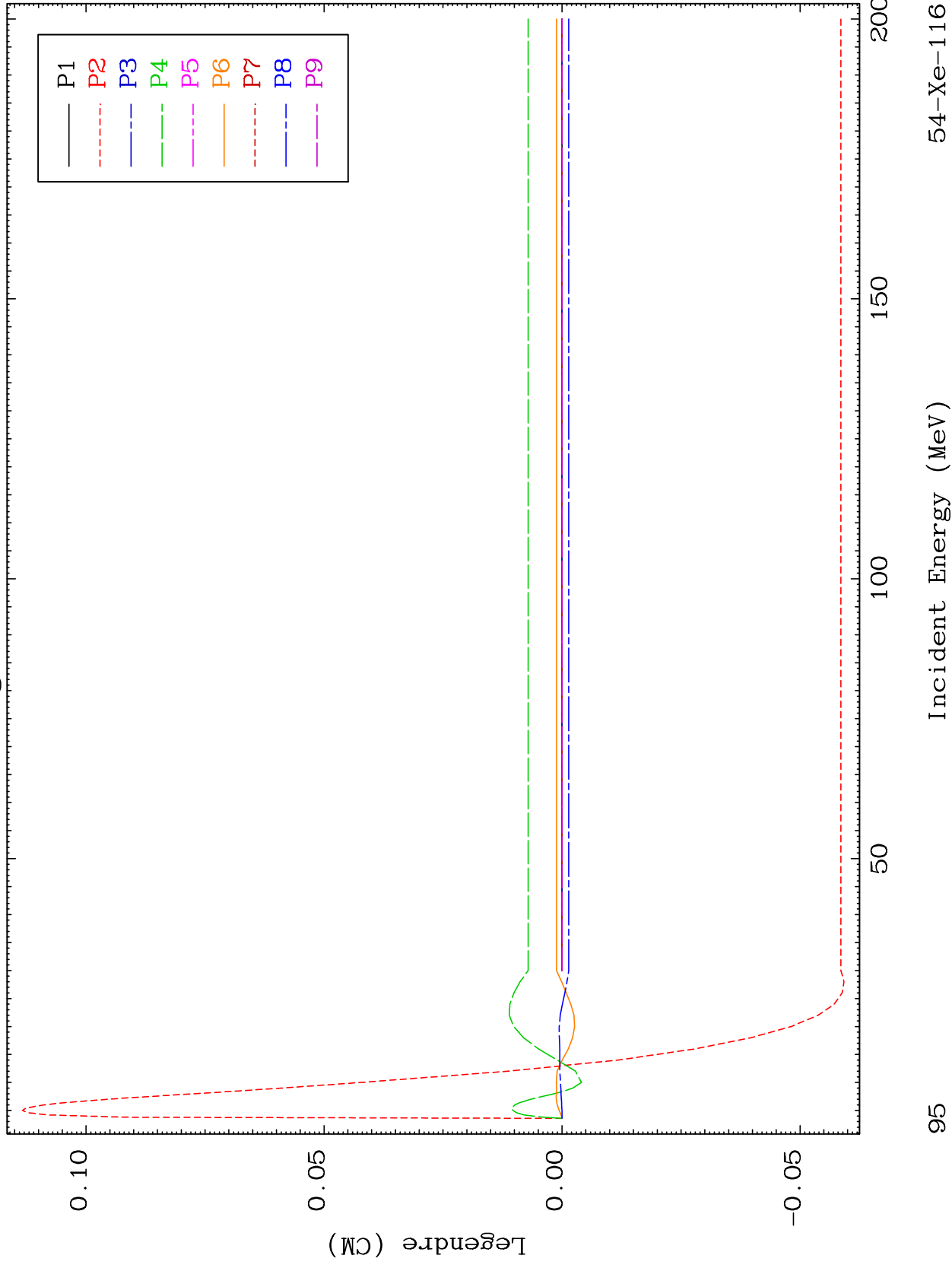
54-Xe-116



MAT 5401

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

54-Xe-116



54-Xe-116

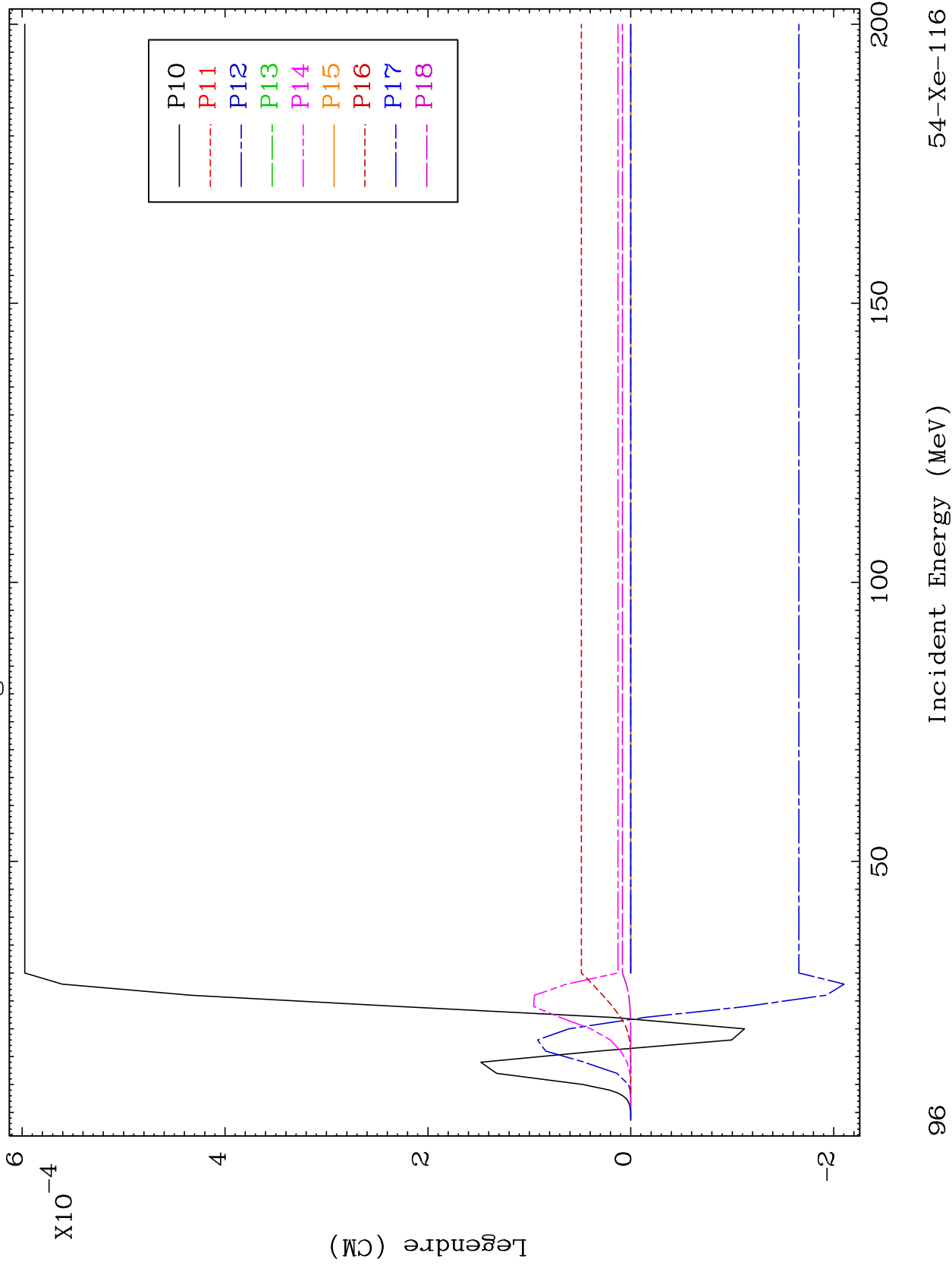
Incident Energy (MeV)

95

MAT 5401

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

54-Xe-116



96

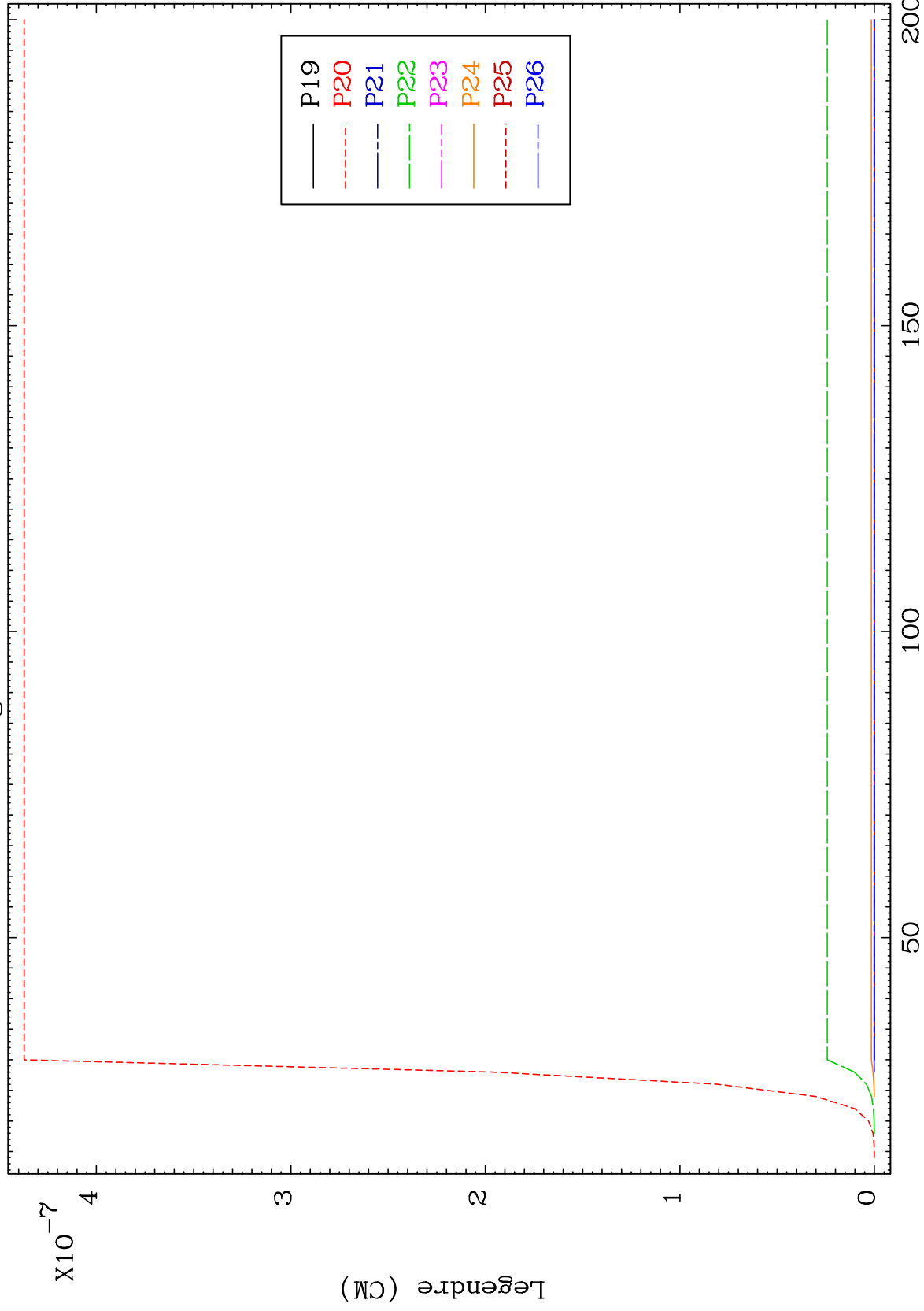
Incident Energy (MeV)

54-Xe-116

MAT 5401

54-Xe-116

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



97

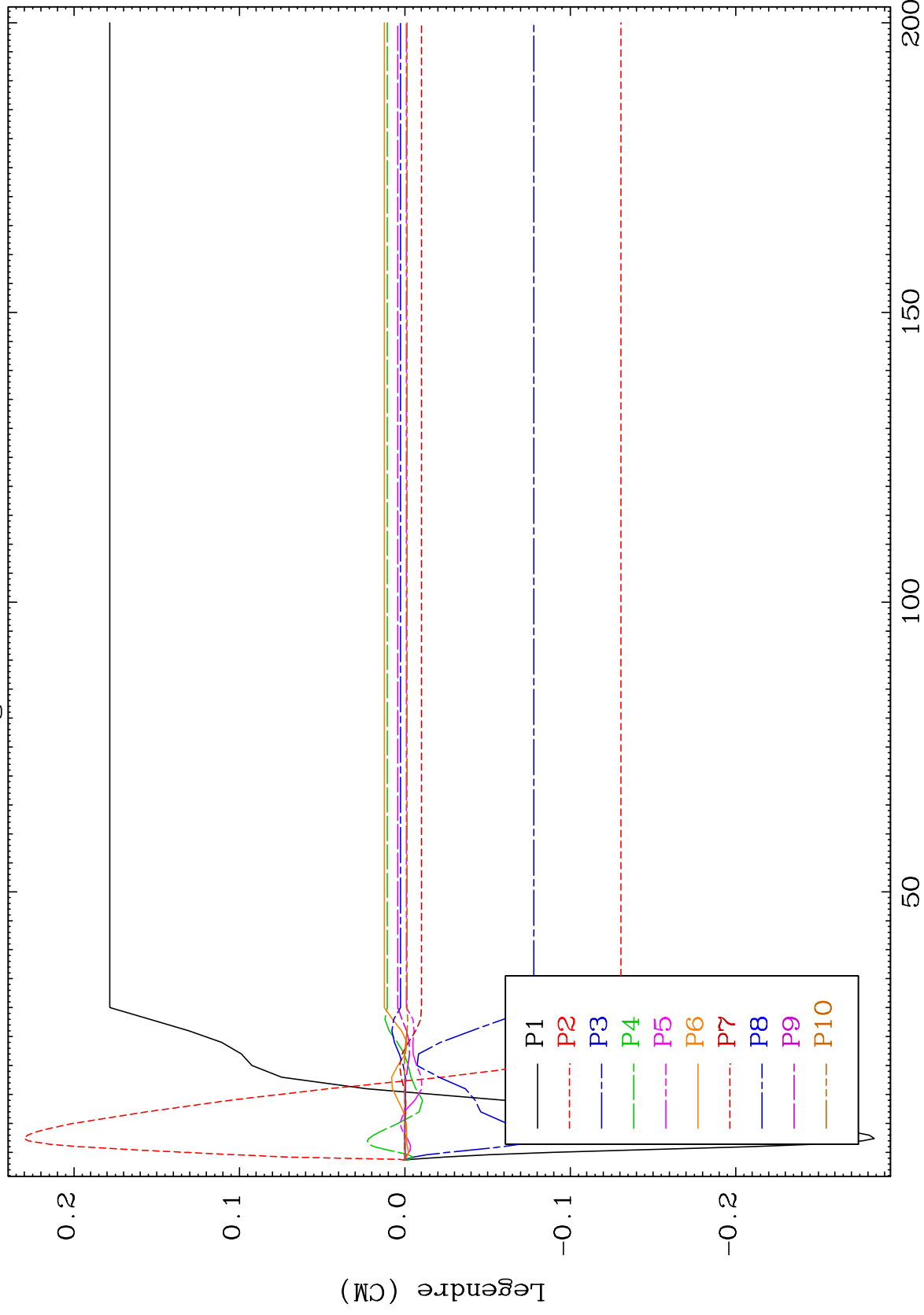
Incident Energy (MeV)

54-Xe-116

MAT 5401

54-Xe-116

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



98

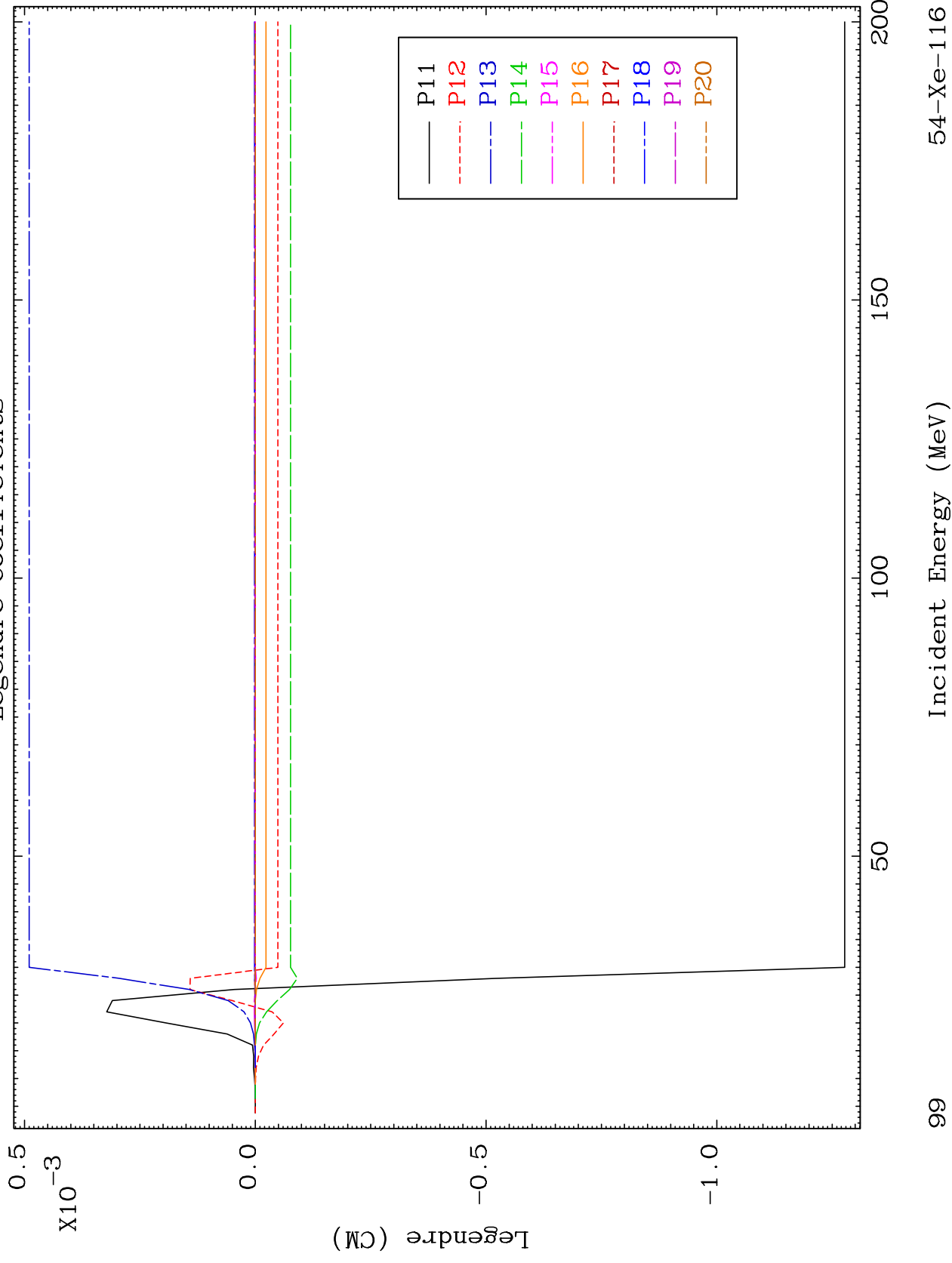
Incident Energy (MeV)

54-Xe-116

MAT 5401

54-Xe-116

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



99

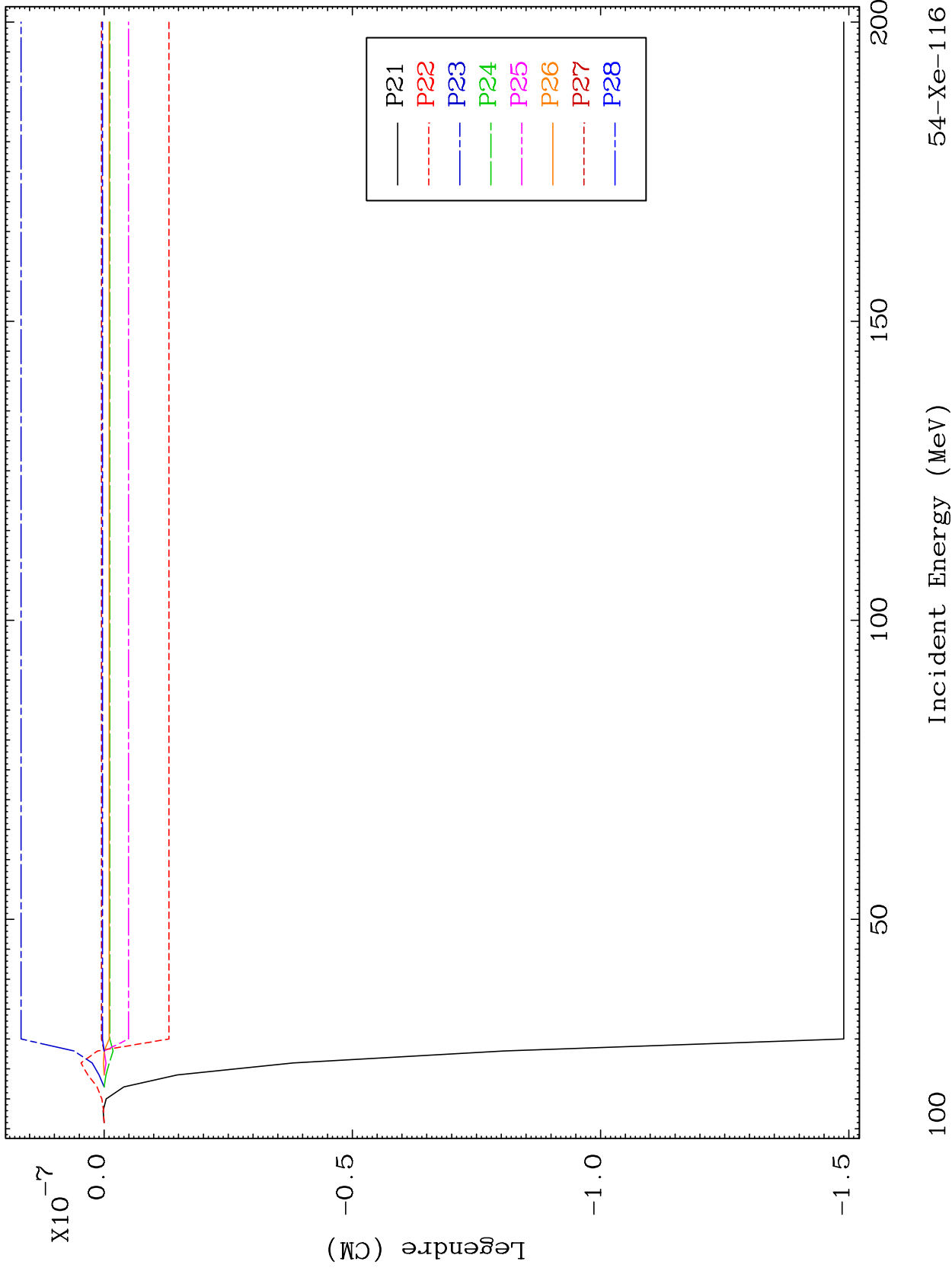
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



100

50

100

150

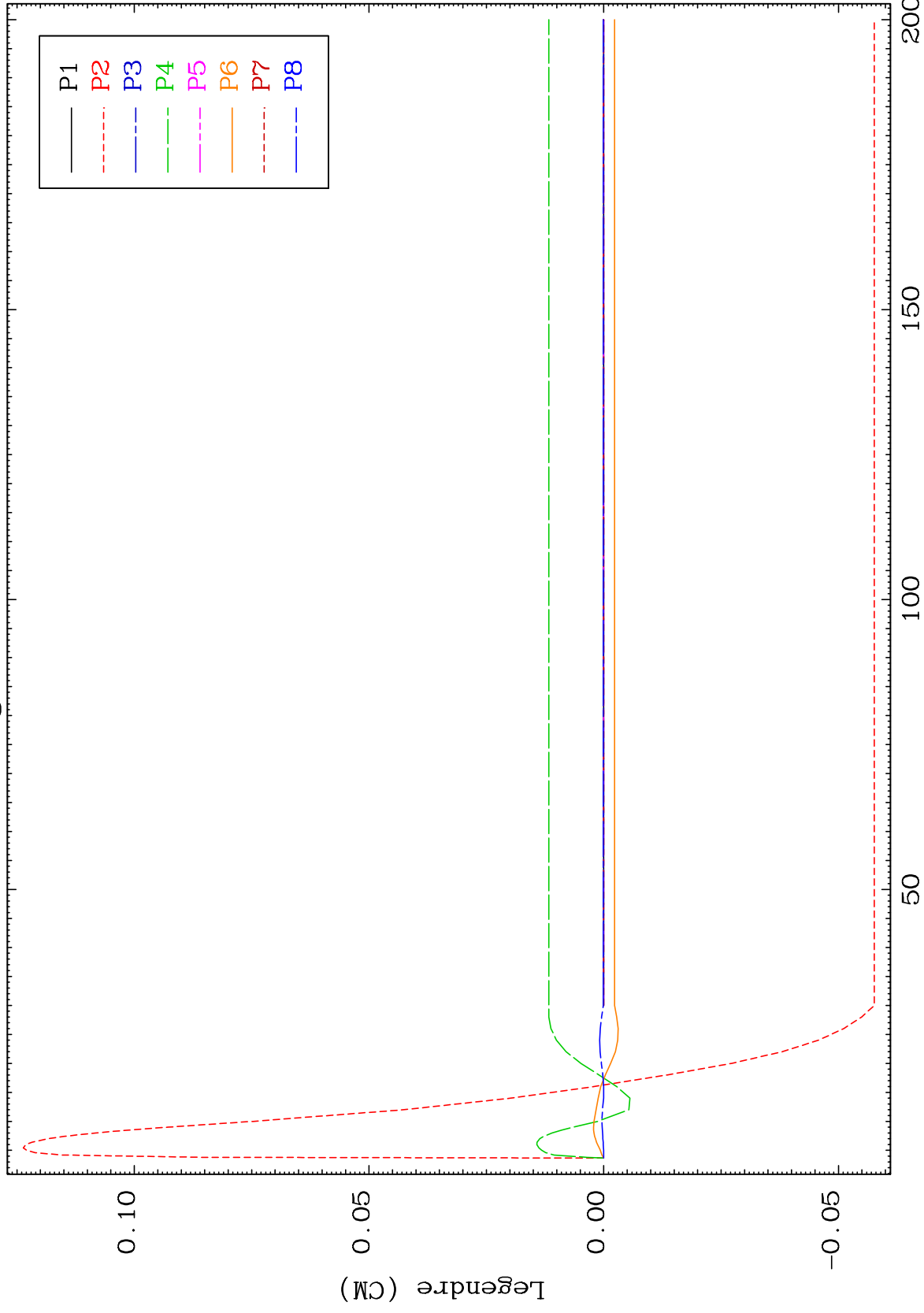
200

54-Xe-116

MAT 5401

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

54-Xe-116



101

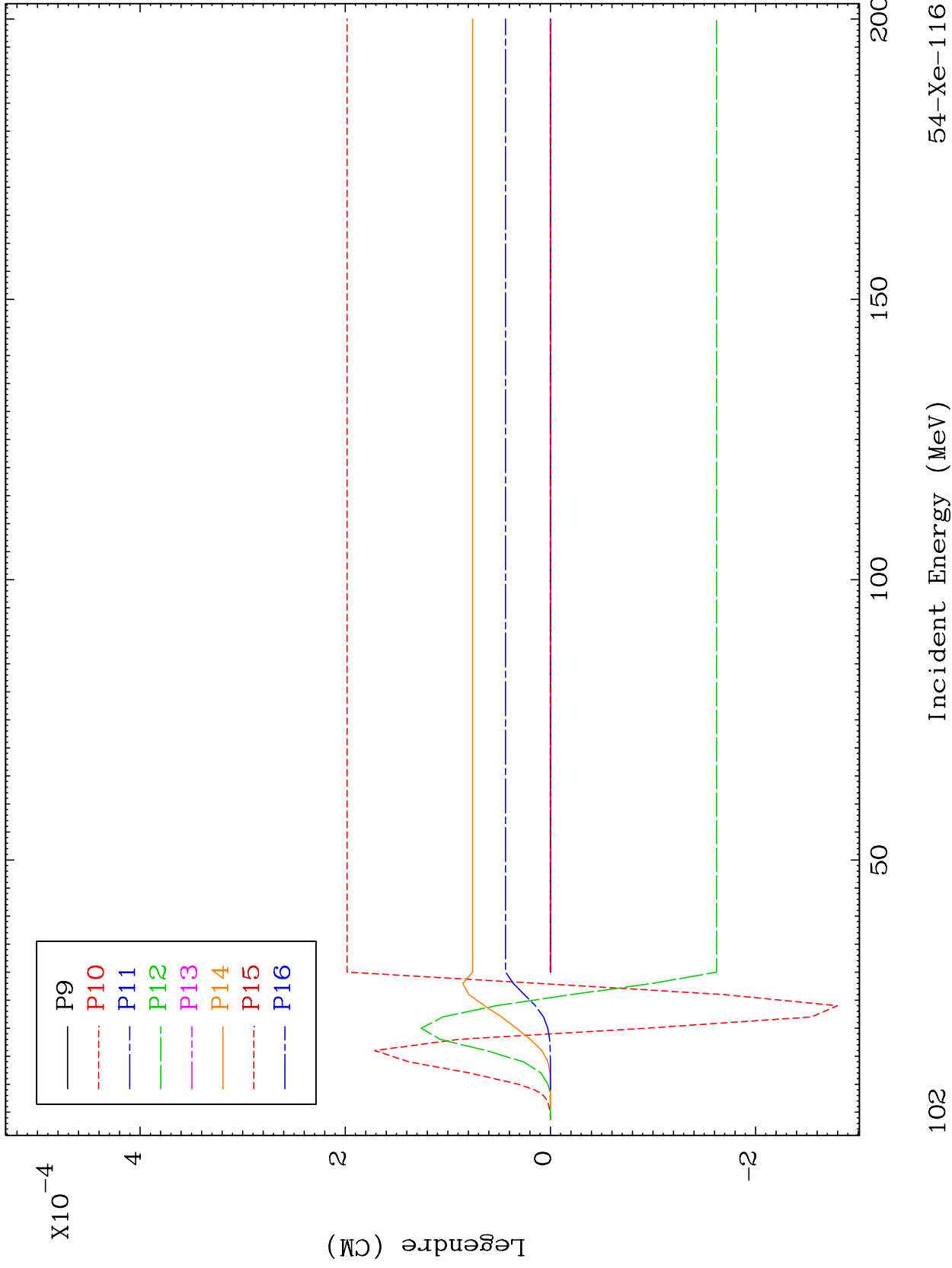
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

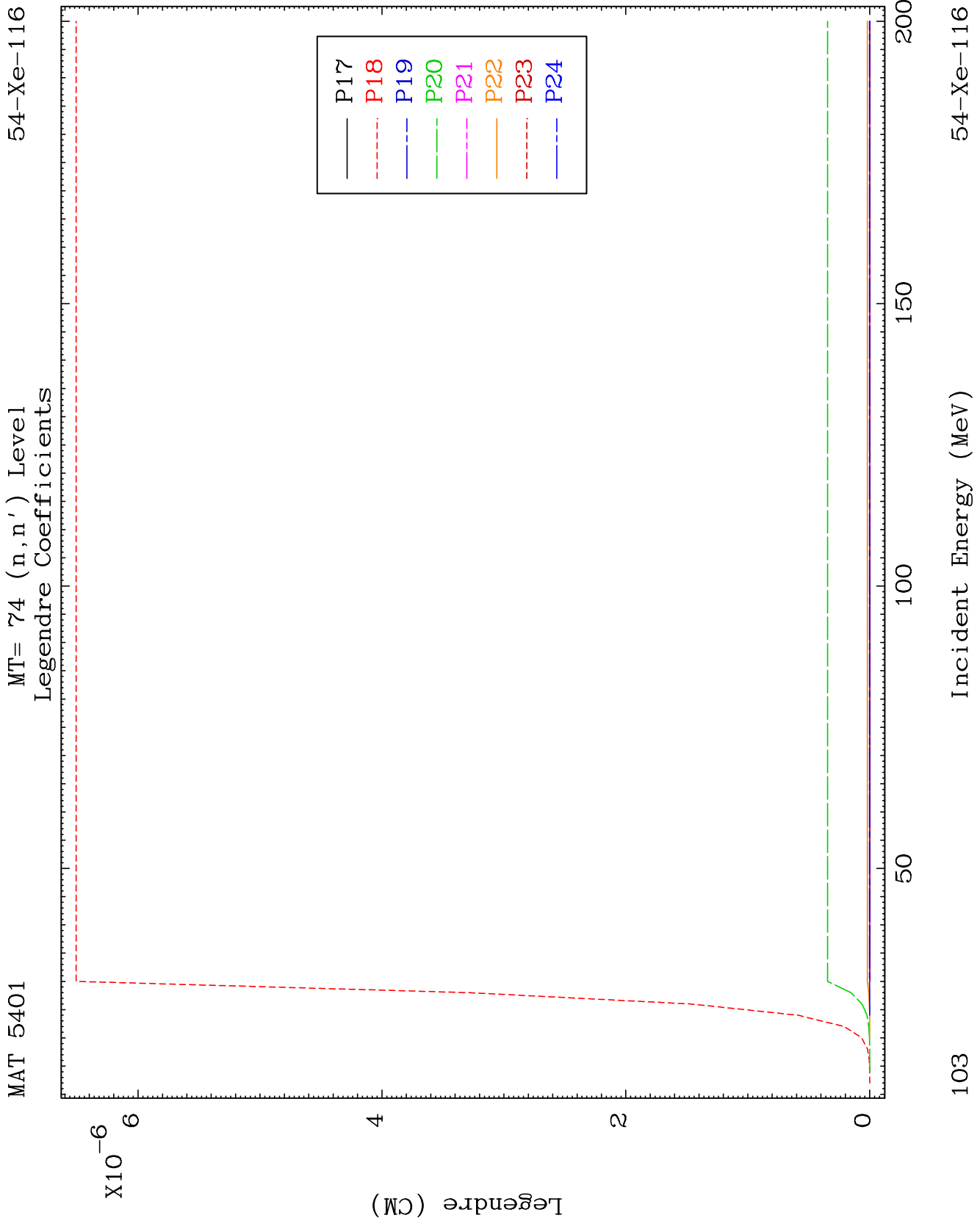
54-Xe-116



102

Incident Energy (MeV)

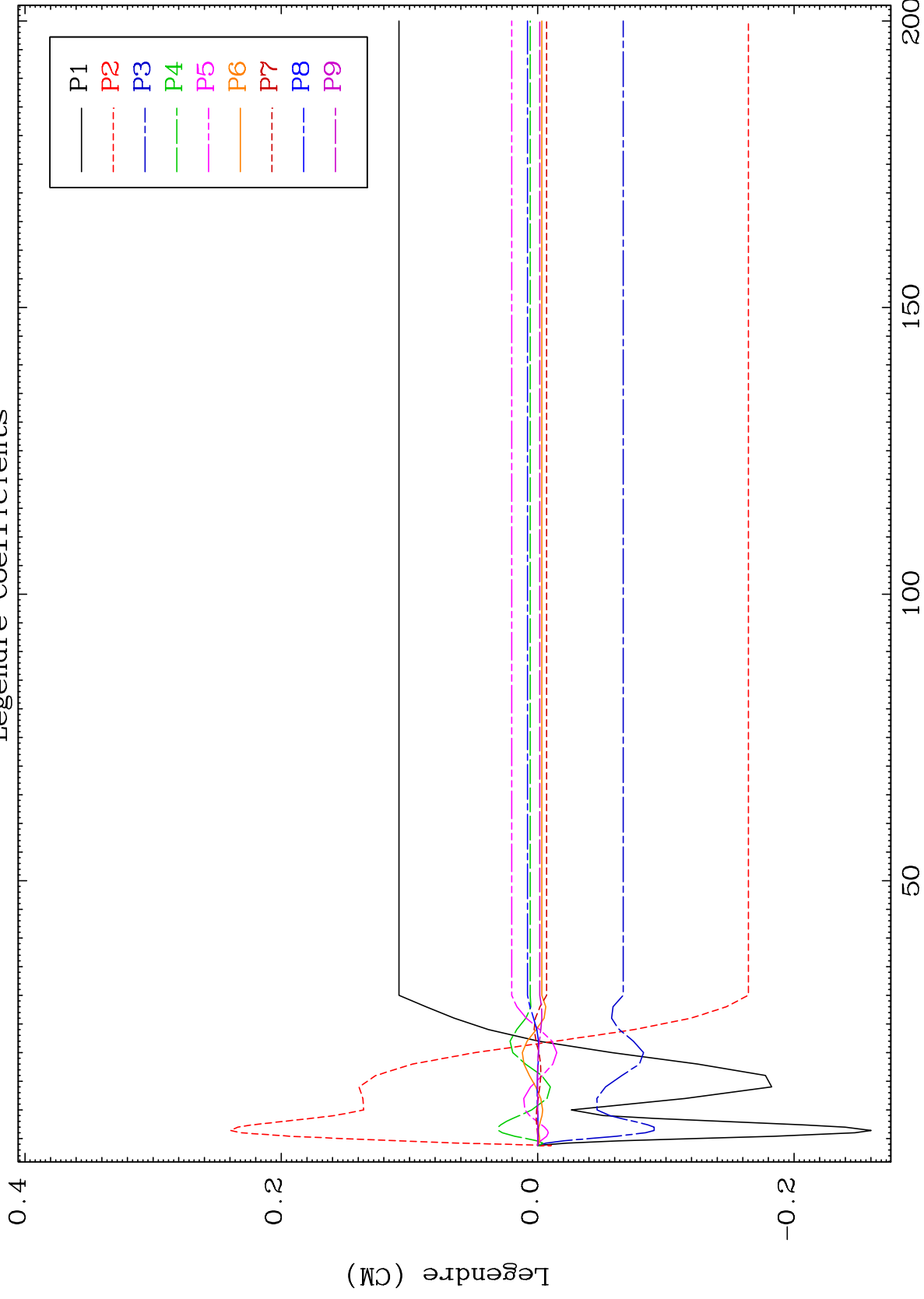
54-Xe-116



MAT 5401

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

54-Xe-116



104

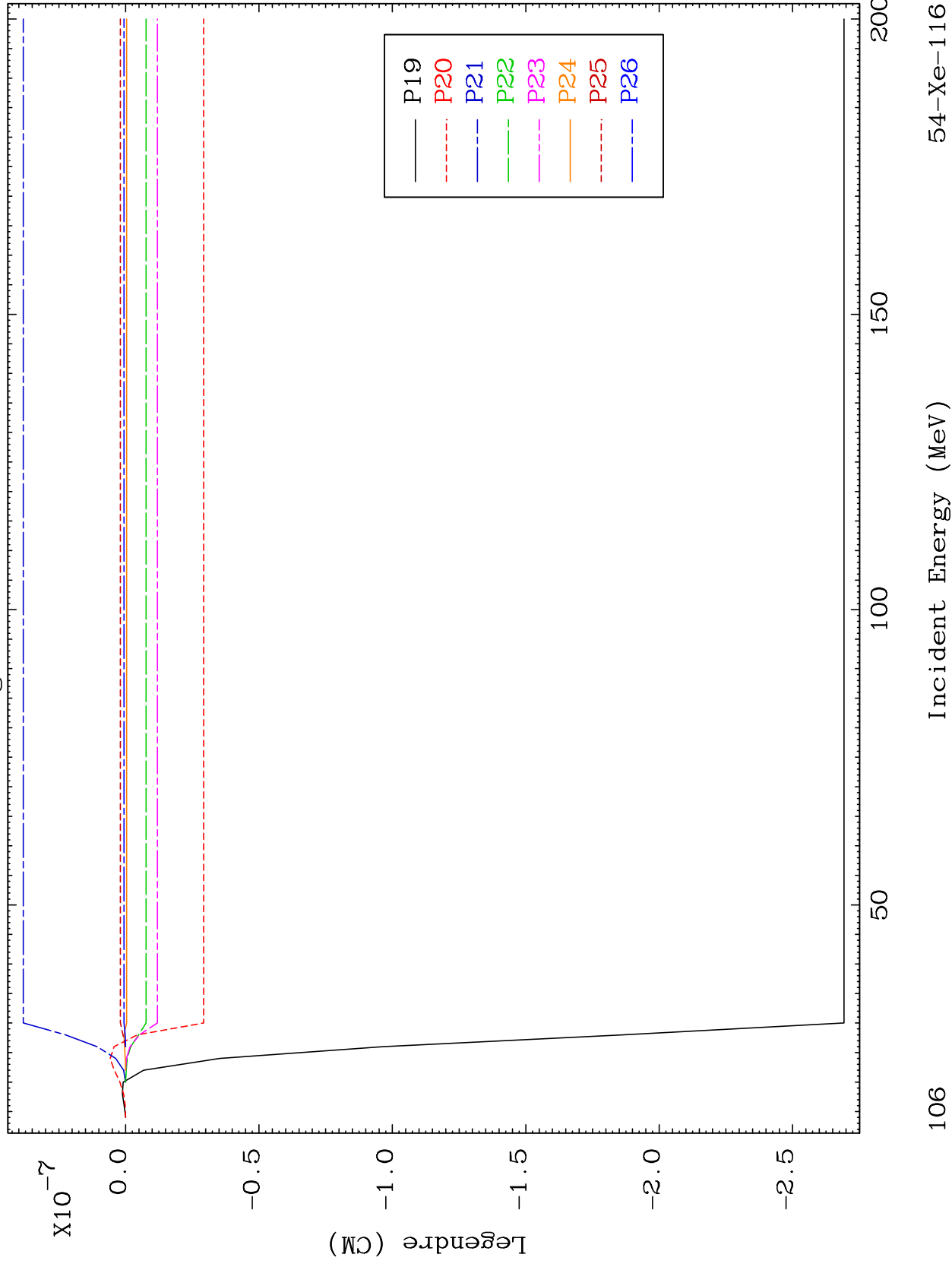
Incident Energy (MeV)

54-Xe-116

MAT 5401

54-Xe-116

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



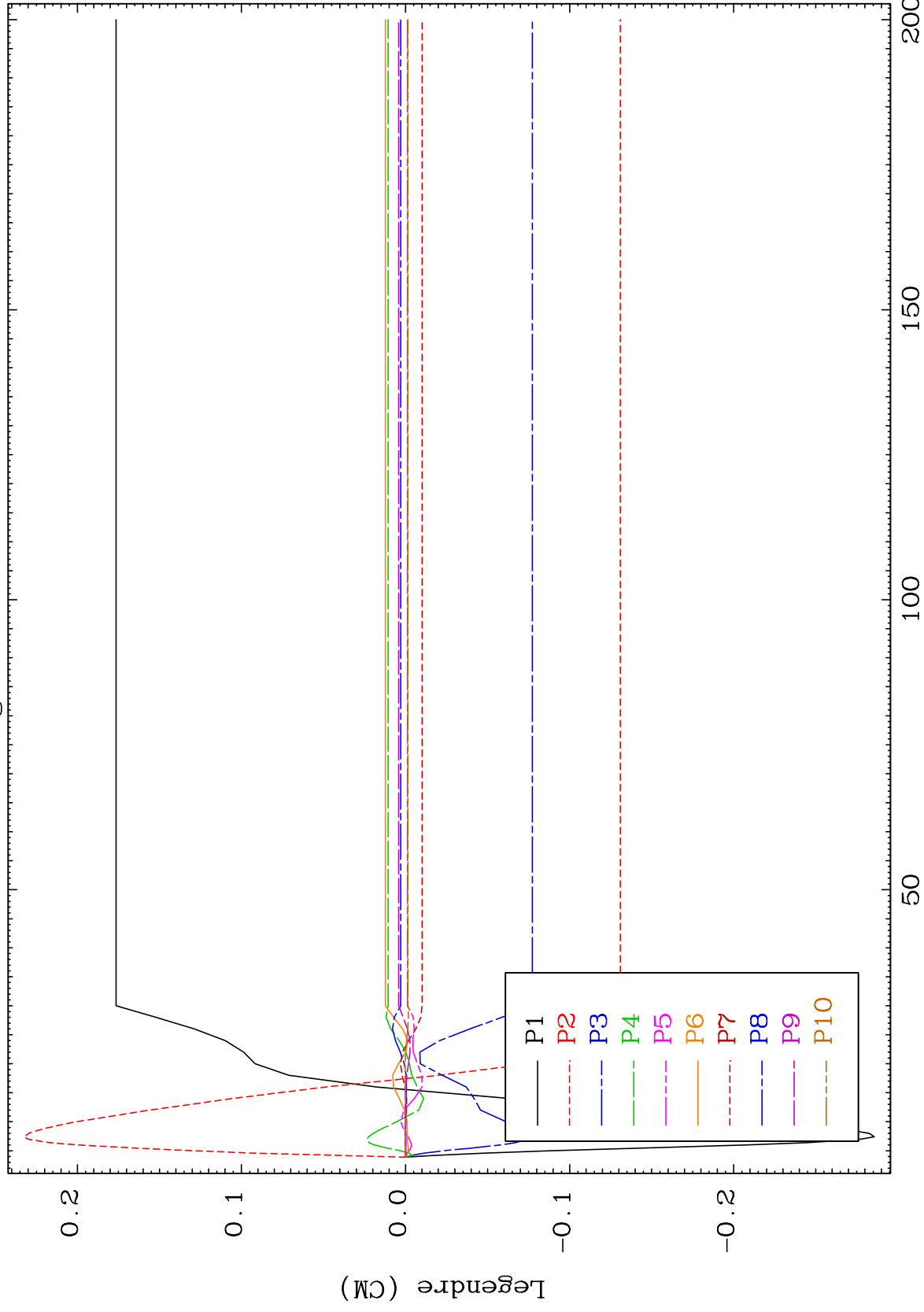
106

54-Xe-116

MAT 5401

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

54-Xe-116



107

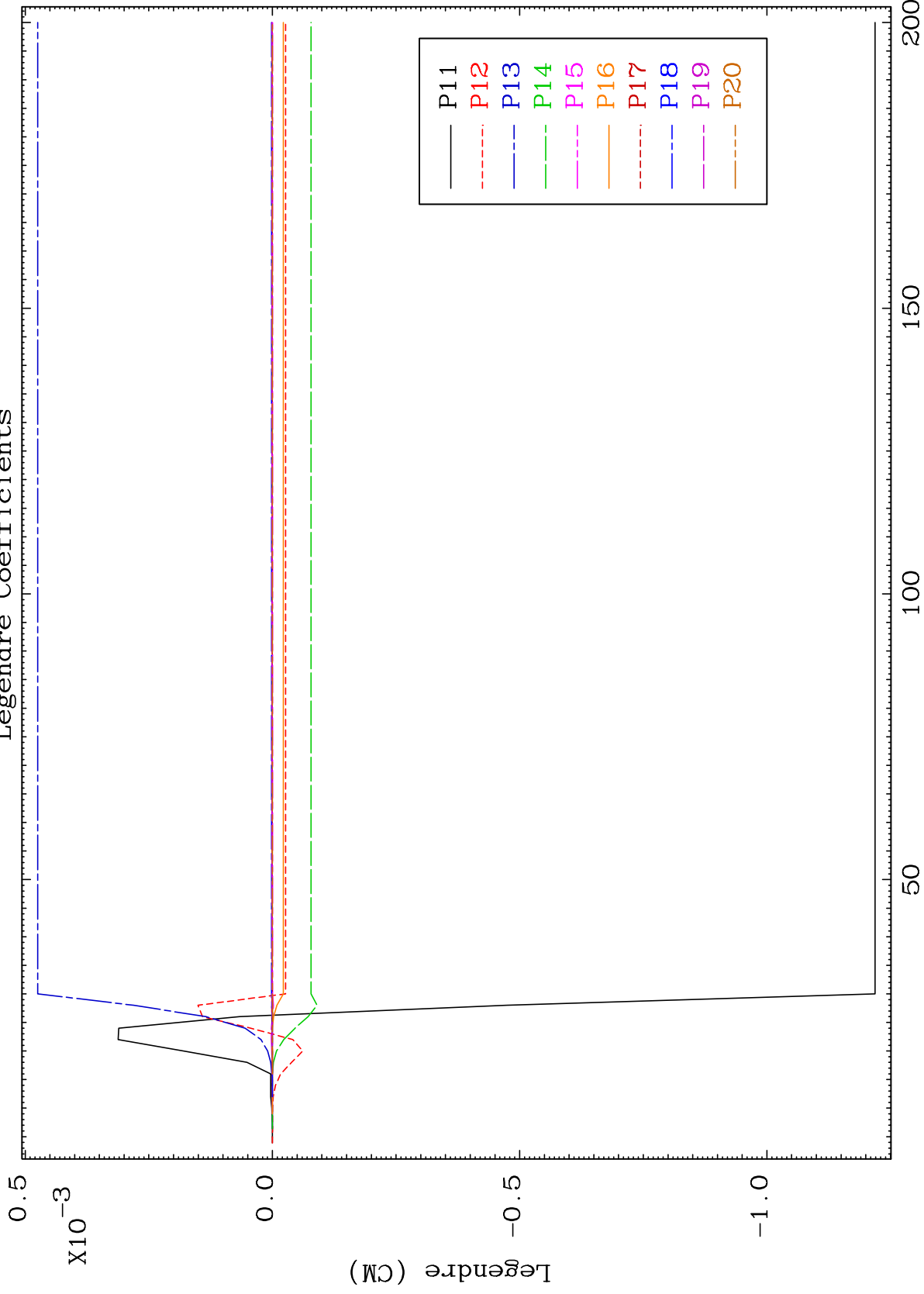
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



108

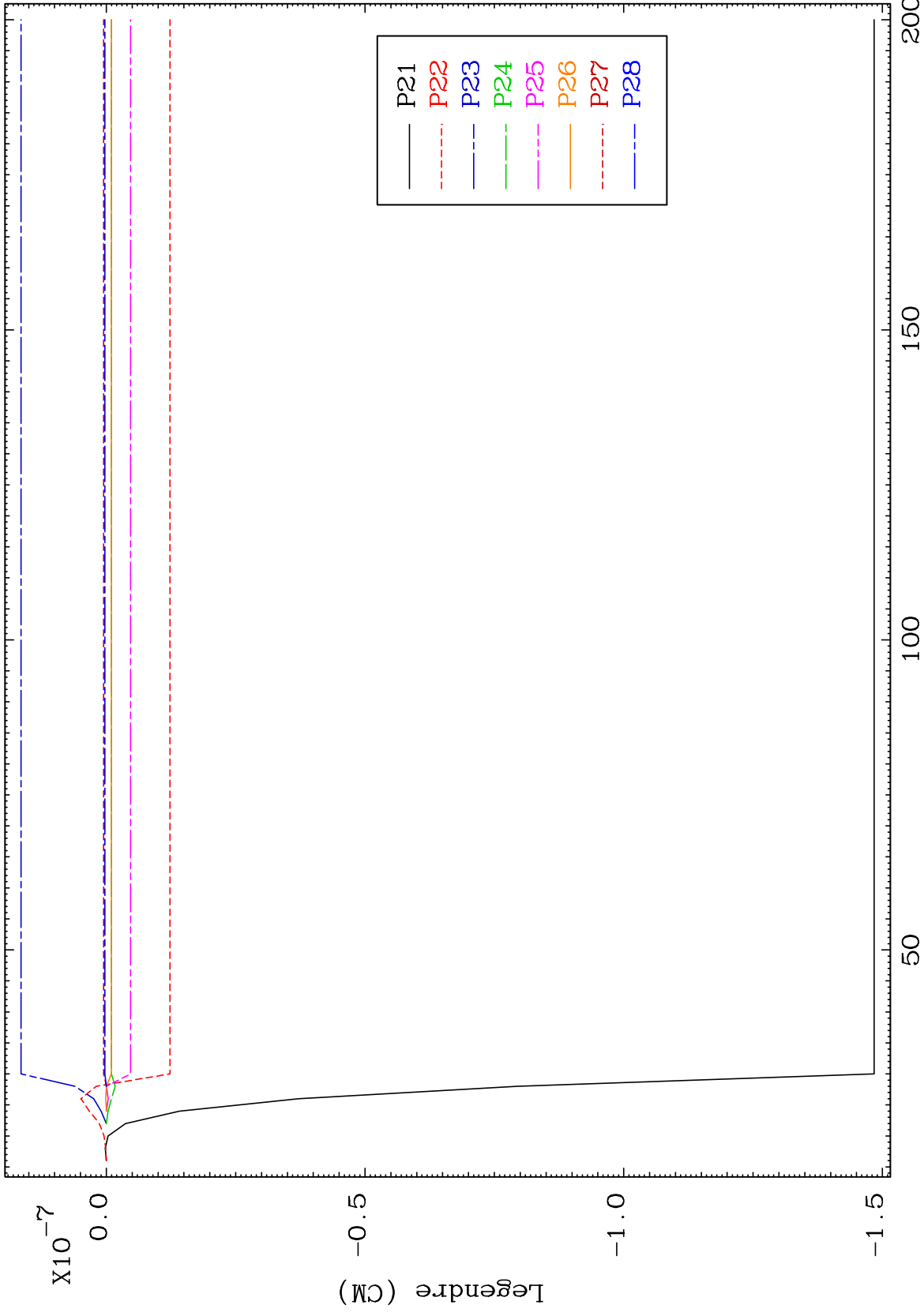
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



109

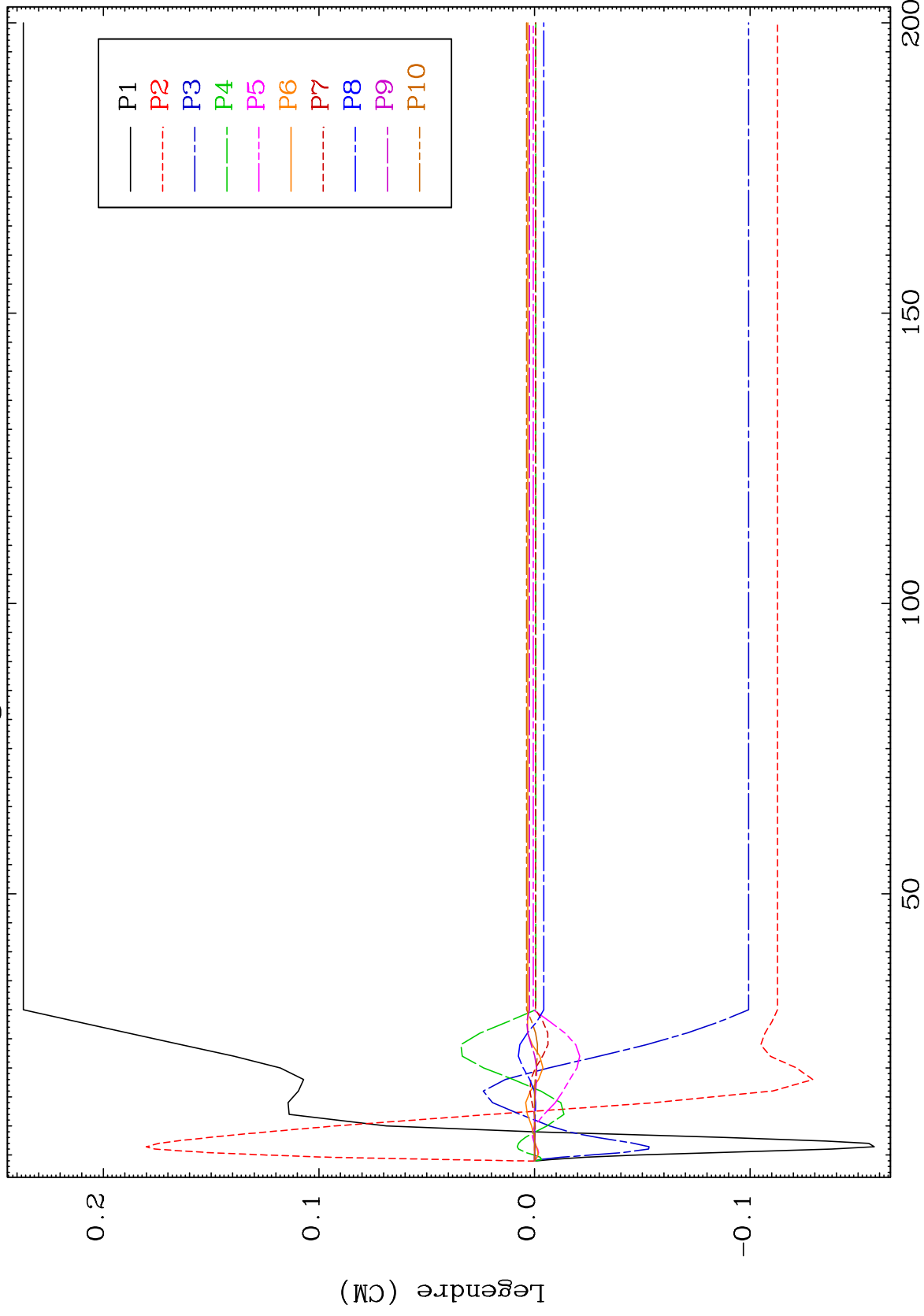
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



110

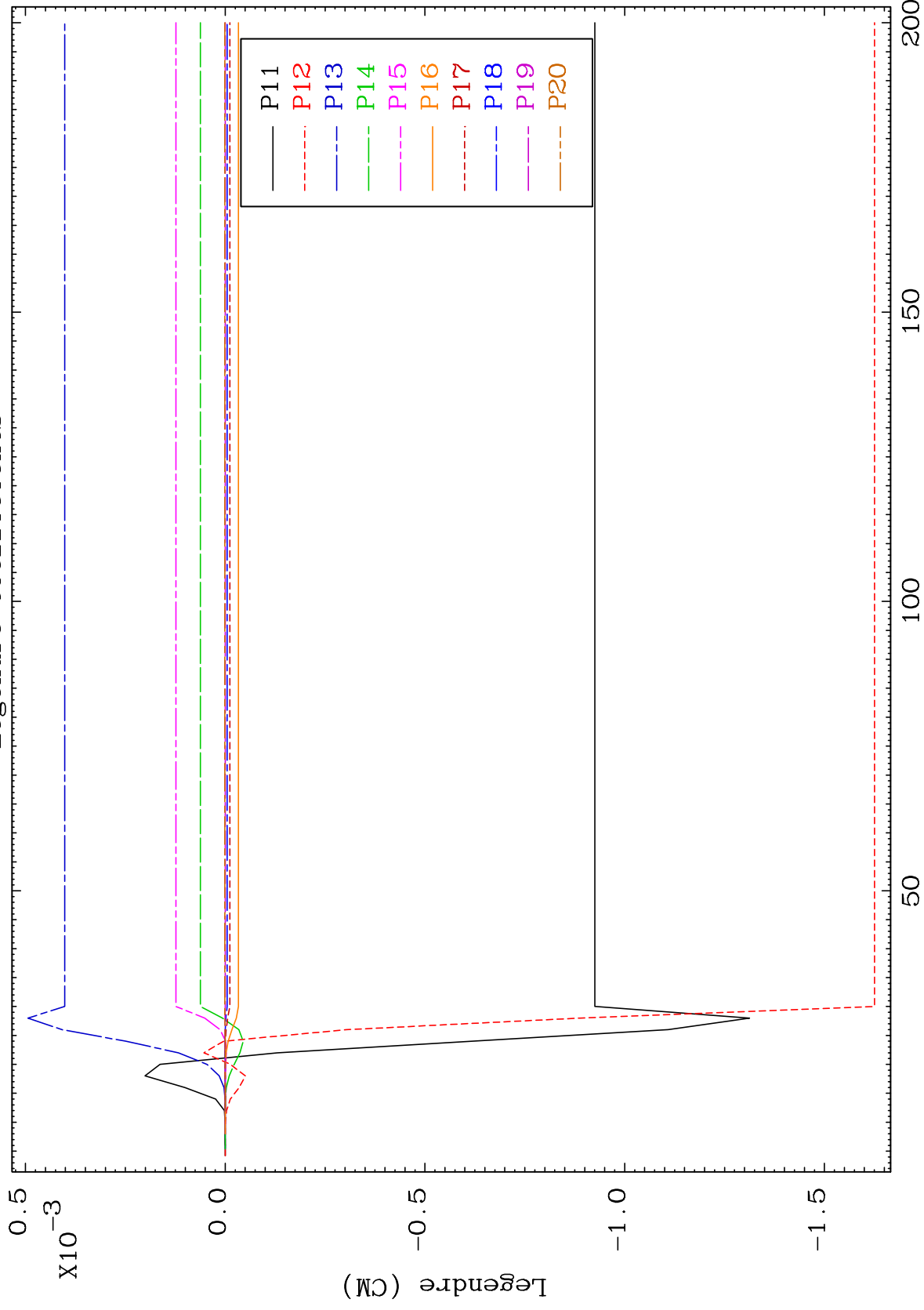
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



111

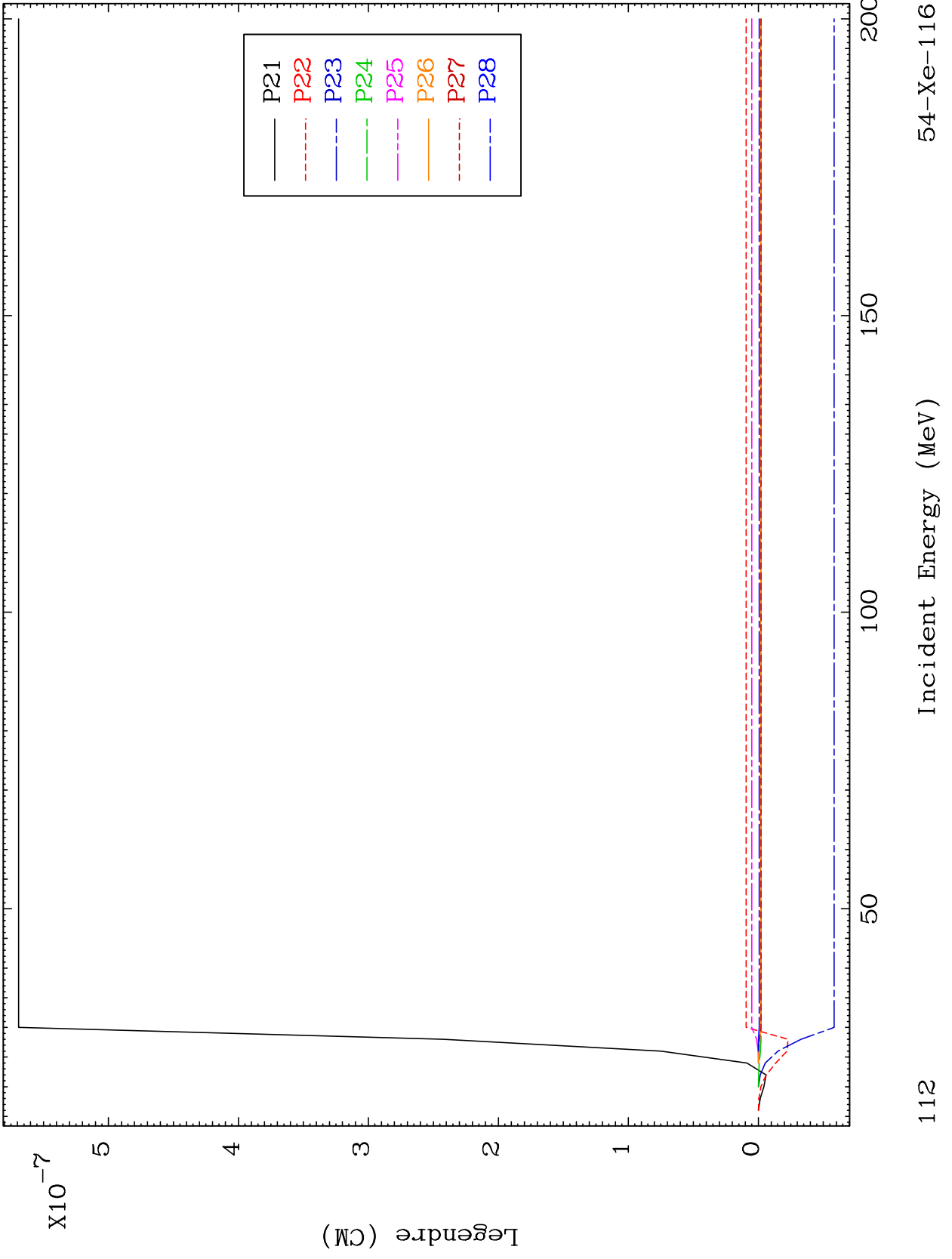
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



112

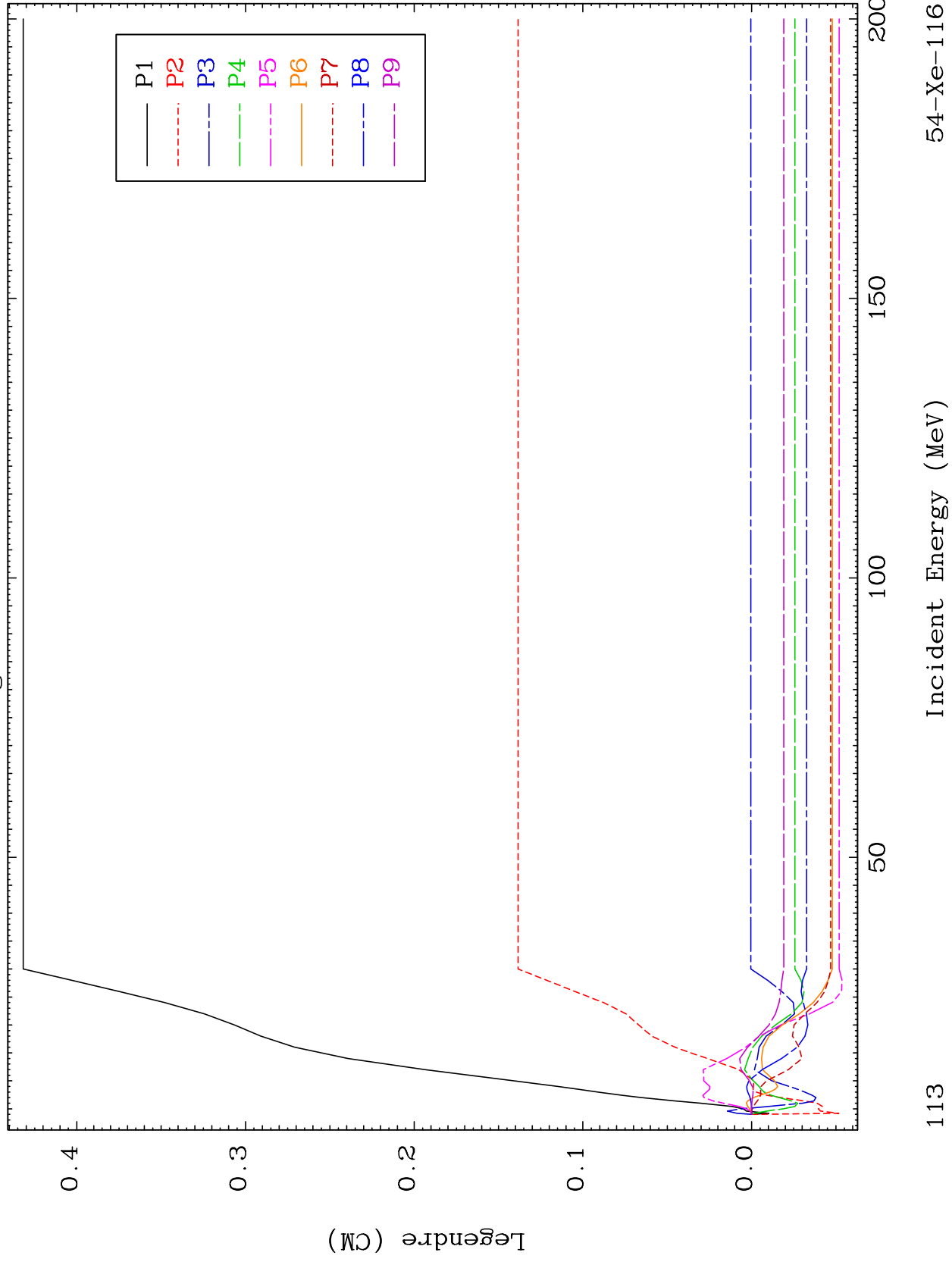
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



113

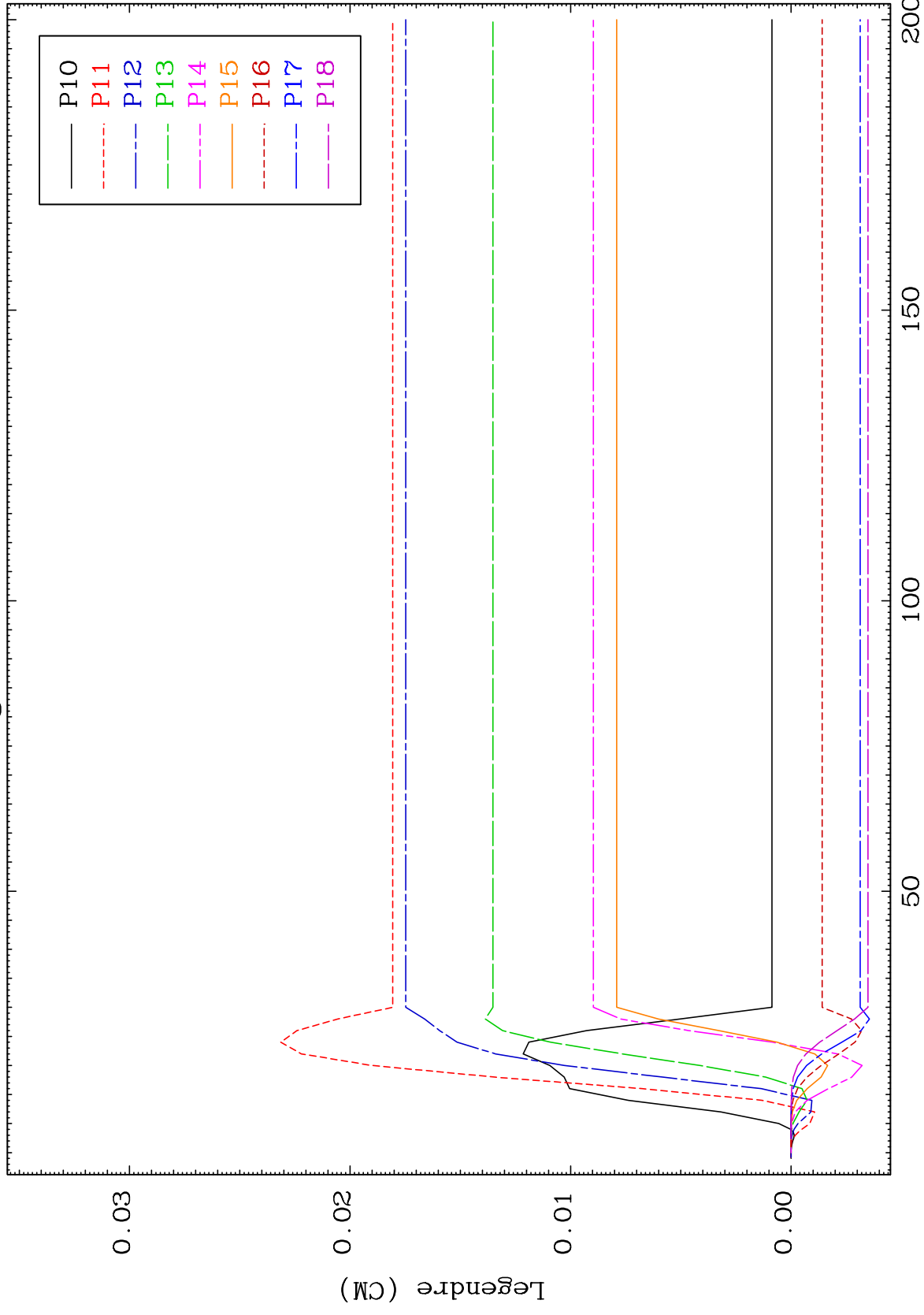
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

54-Xe-116



114

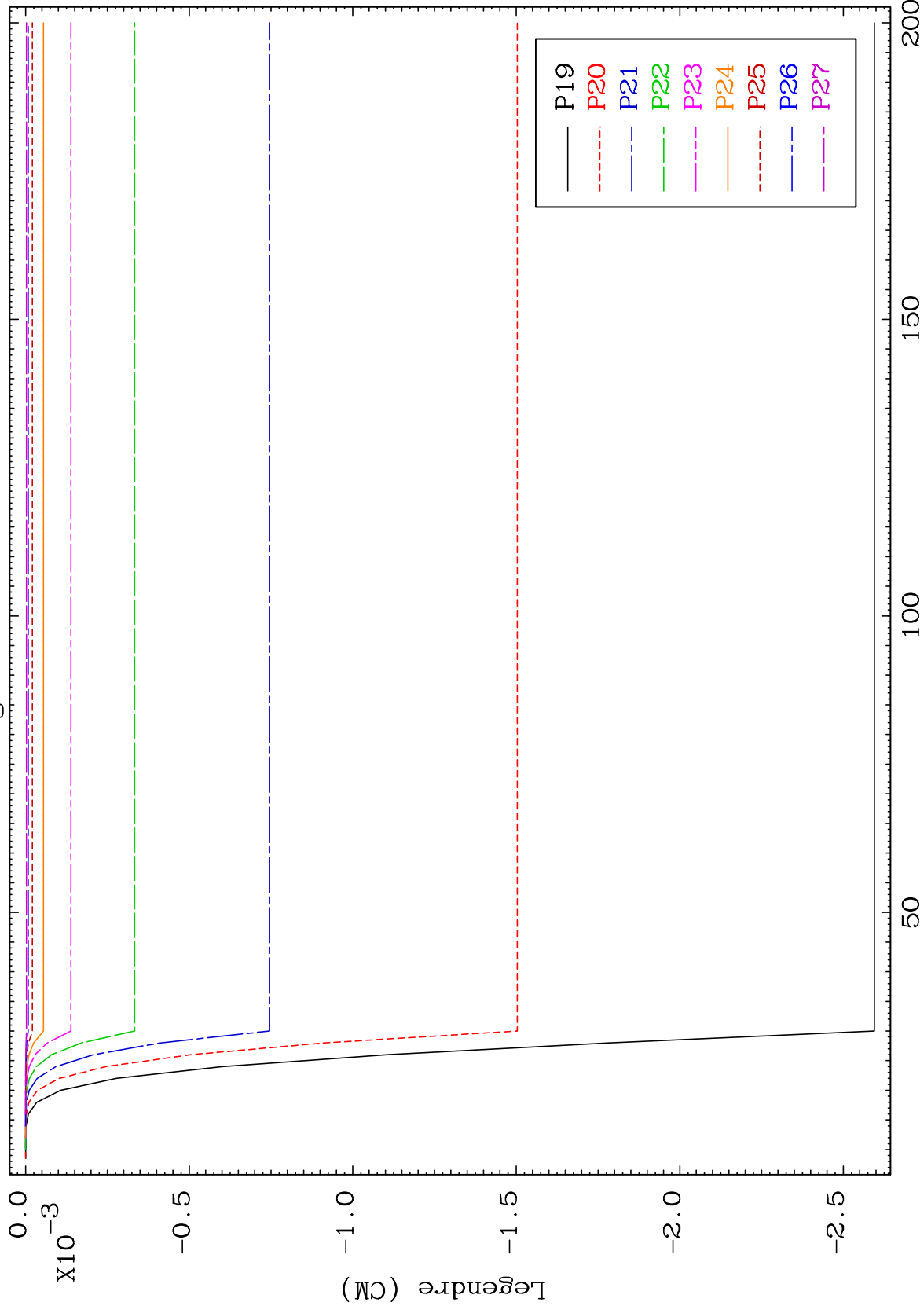
Incident Energy (MeV)

54-Xe-116

MAT 5401

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

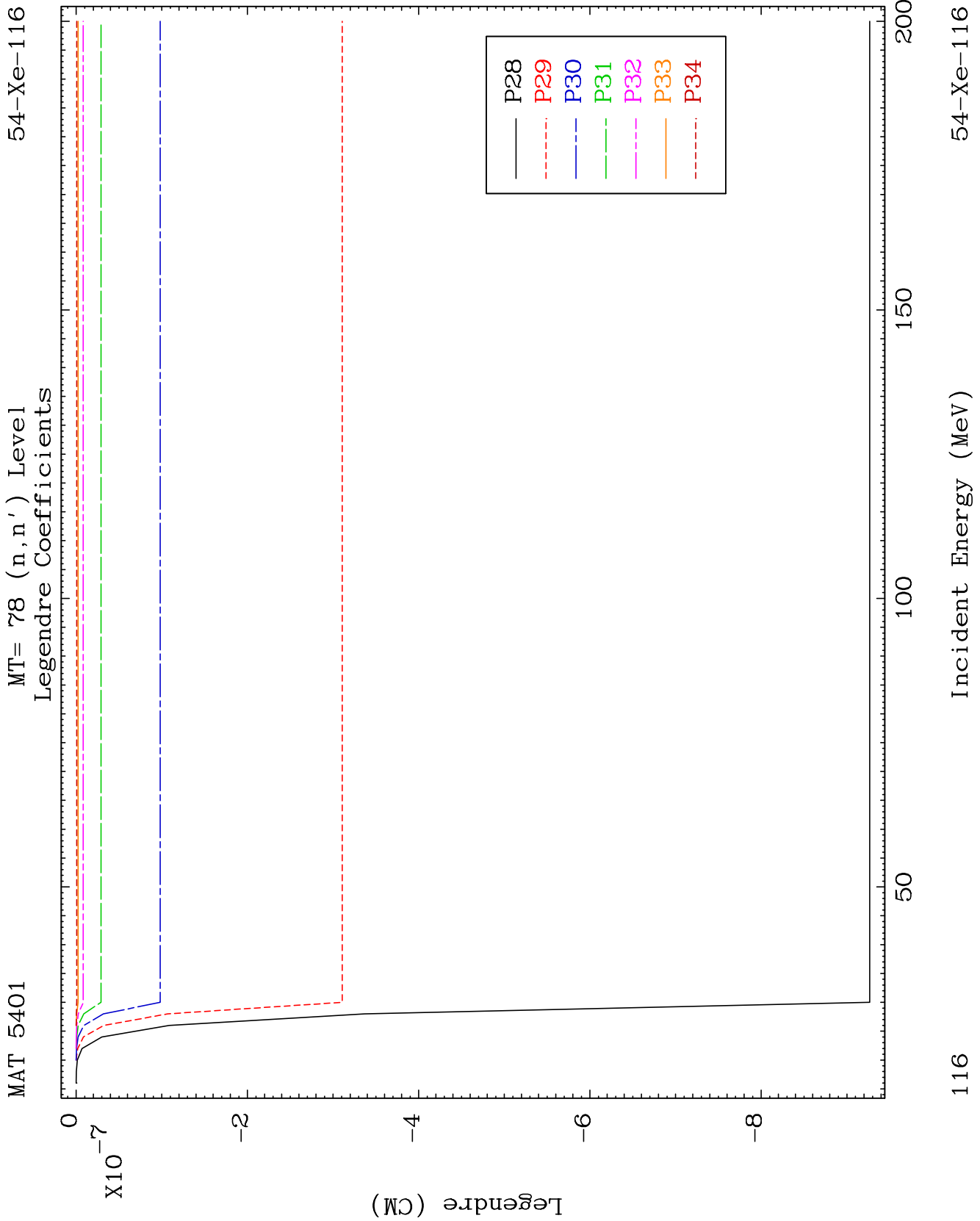
54-Xe-116



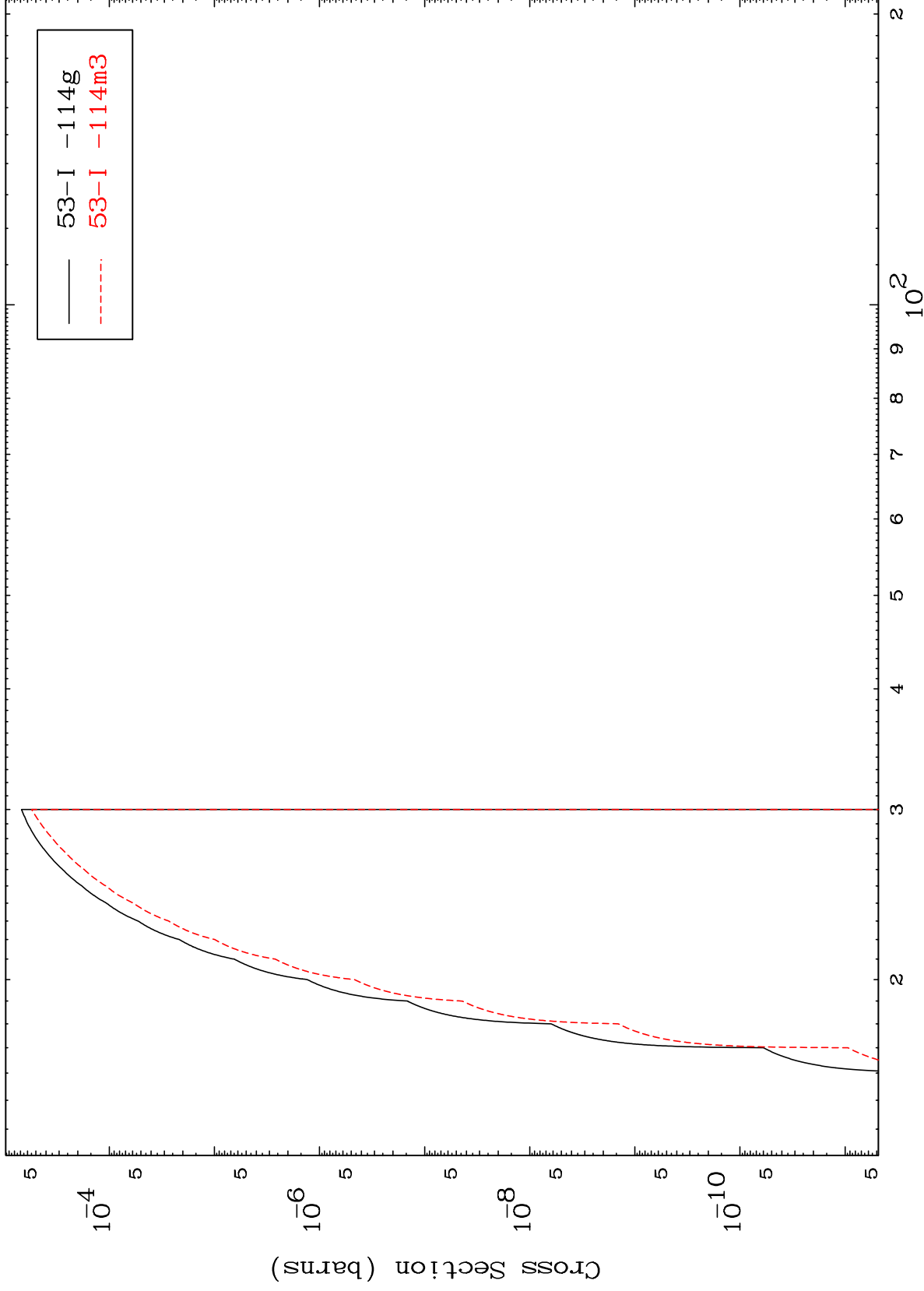
54-Xe-116

Incident Energy (MeV)

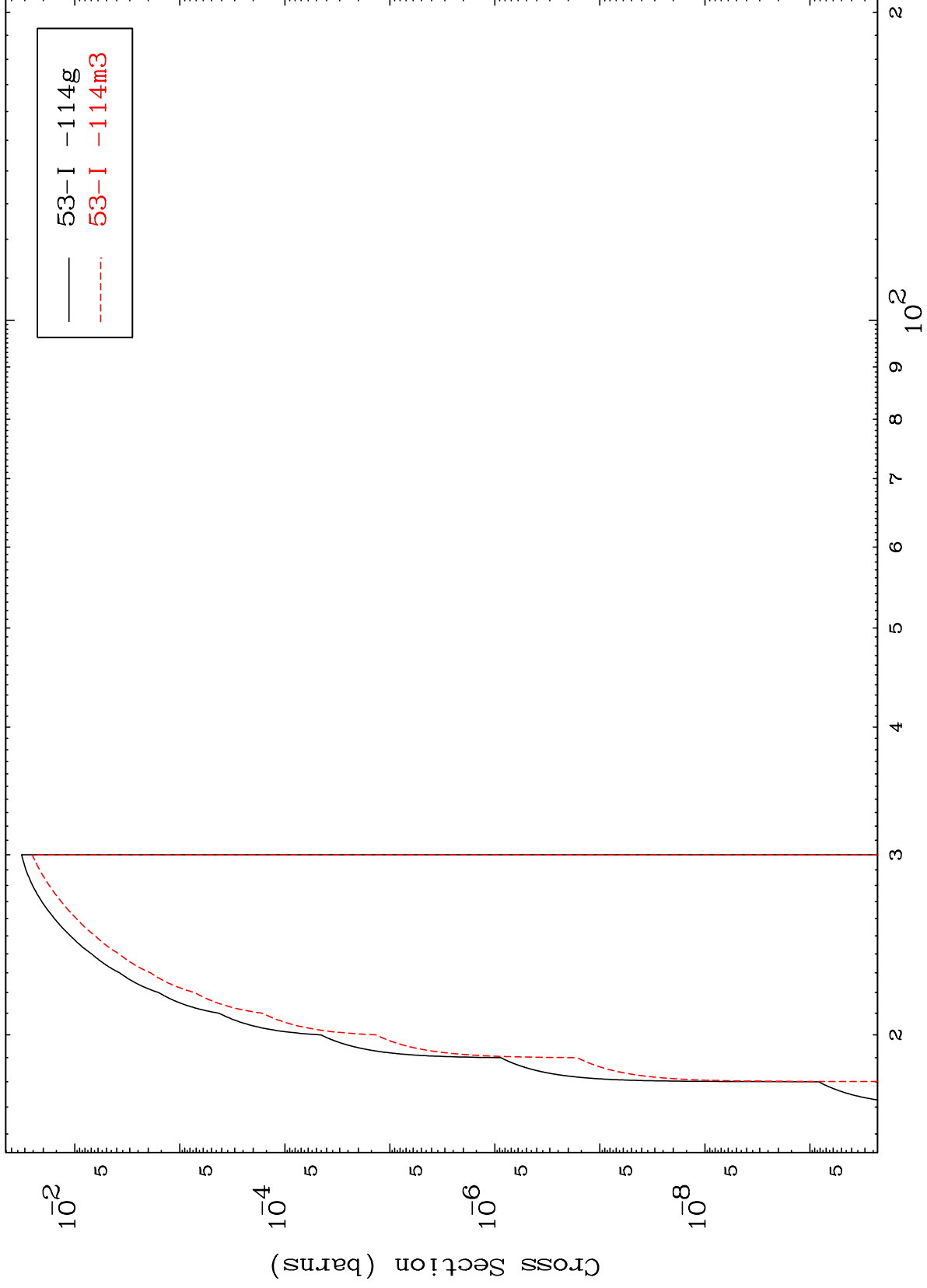
115



Radionuclide Production Cross Section



Radionuclide Production Cross Section

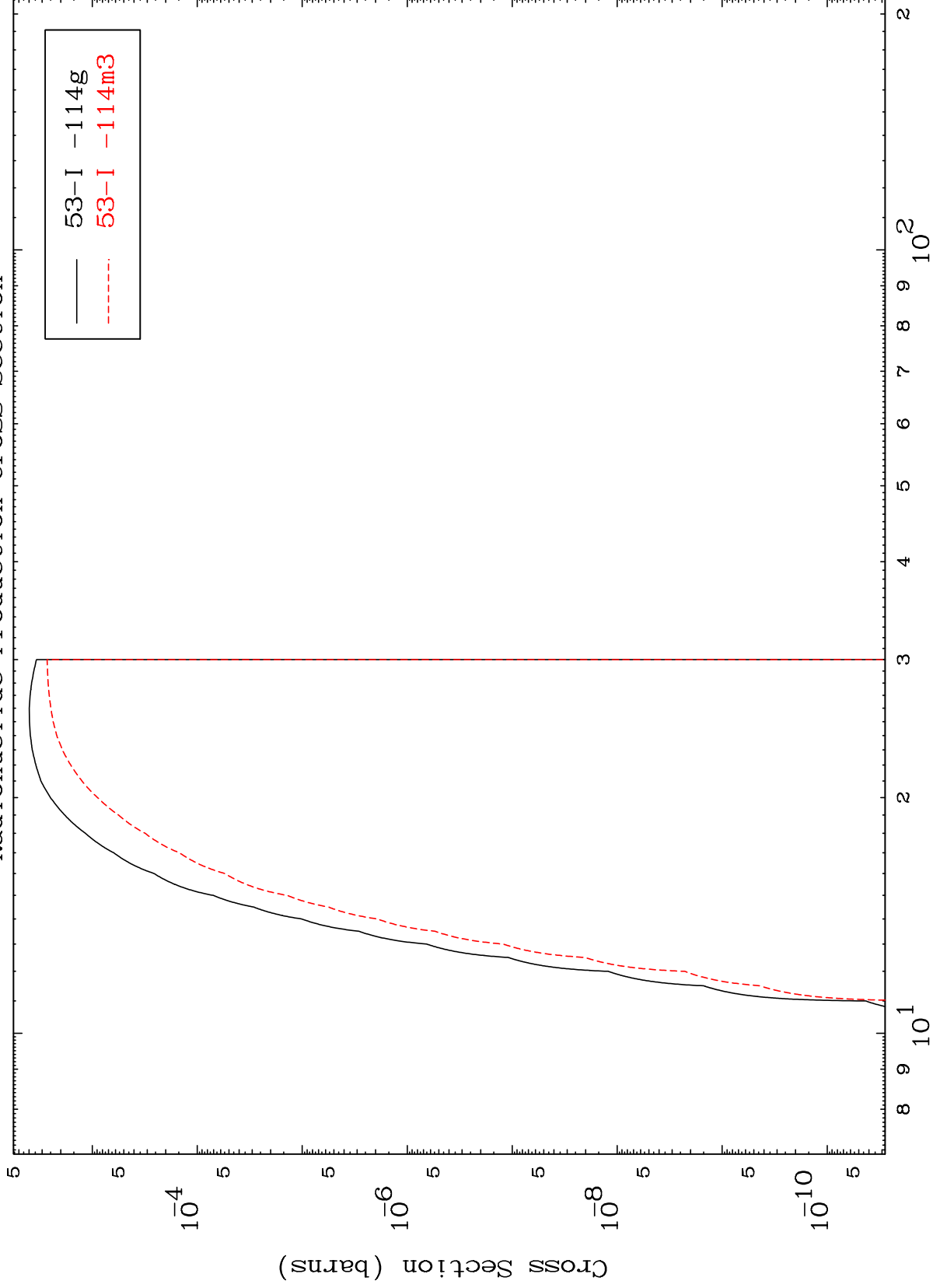


53-I -114g
53-I -114m3

MAT 5401

54-Xe-116

(n,t)
Radionuclide Production Cross Section



119

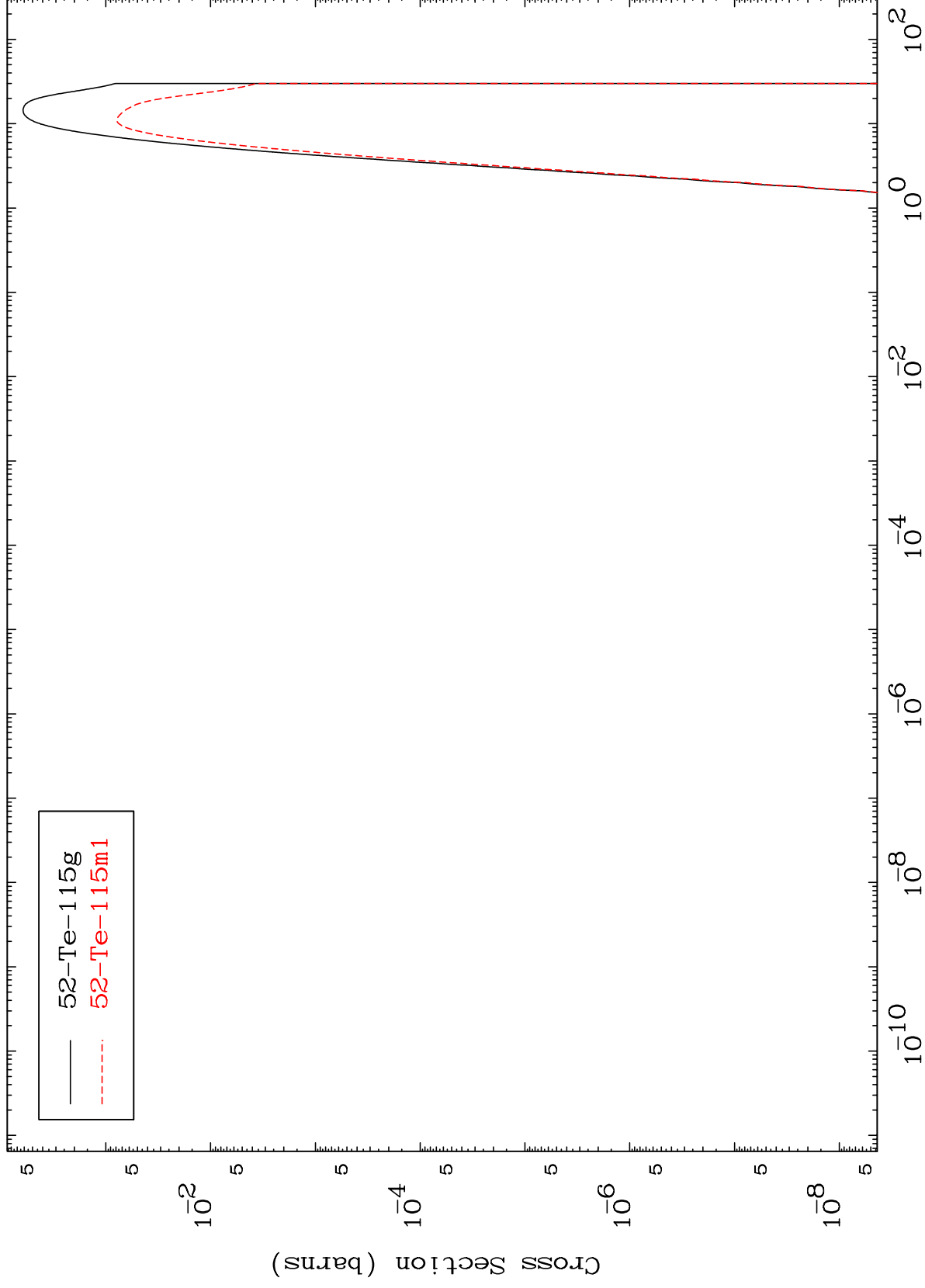
Incident Energy (MeV)

54-Xe-116

MAT 5401

54-Xe-116

(n,2p)
Radionuclide Production Cross Section



120

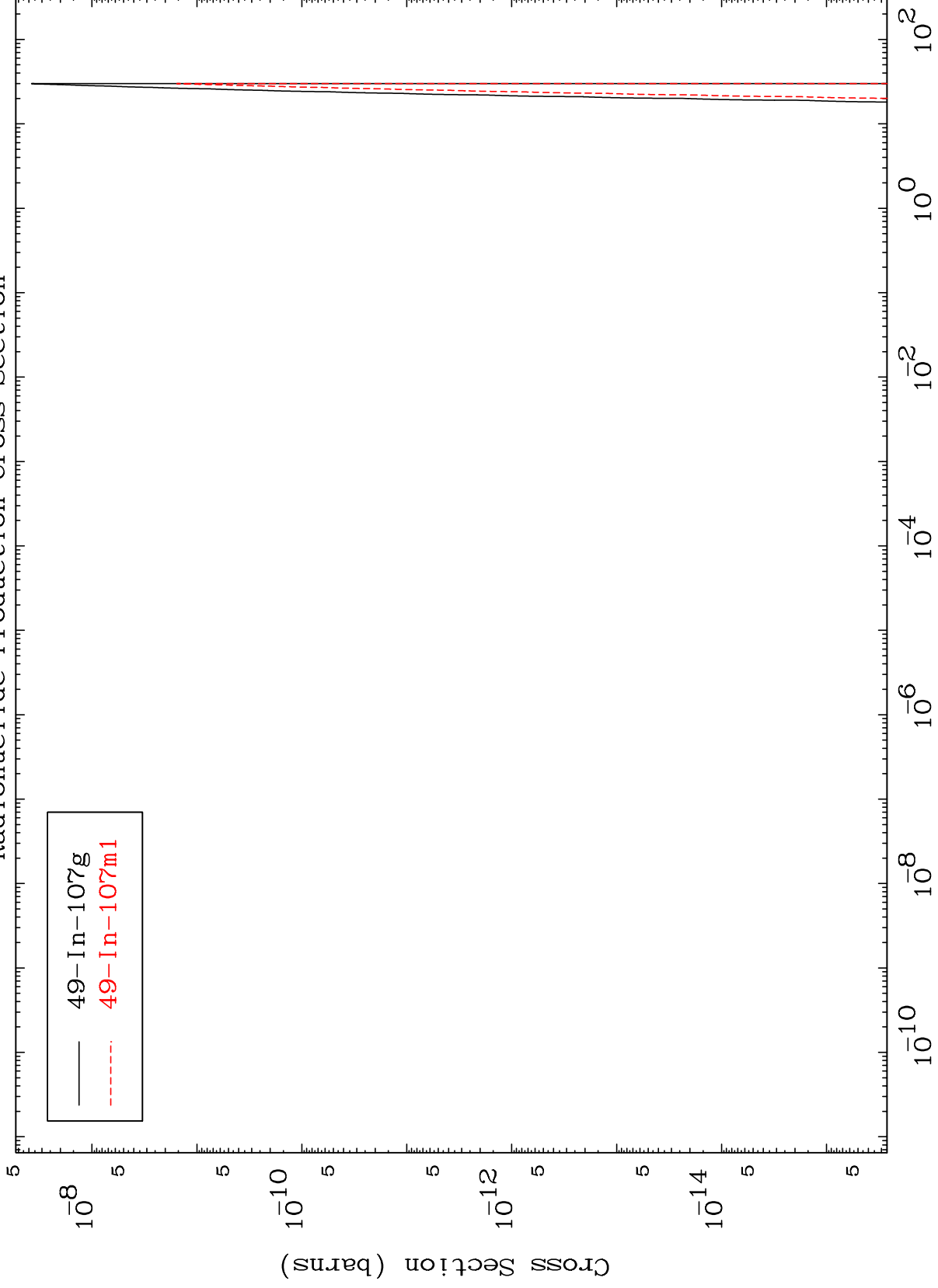
54-Xe-116

MAT 5401

(n,d) 2 α

54-Xe-116

Radionuclide Production Cross Section



49-In-107g
49-In-107m1