

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

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

Tele: 925-443-1911

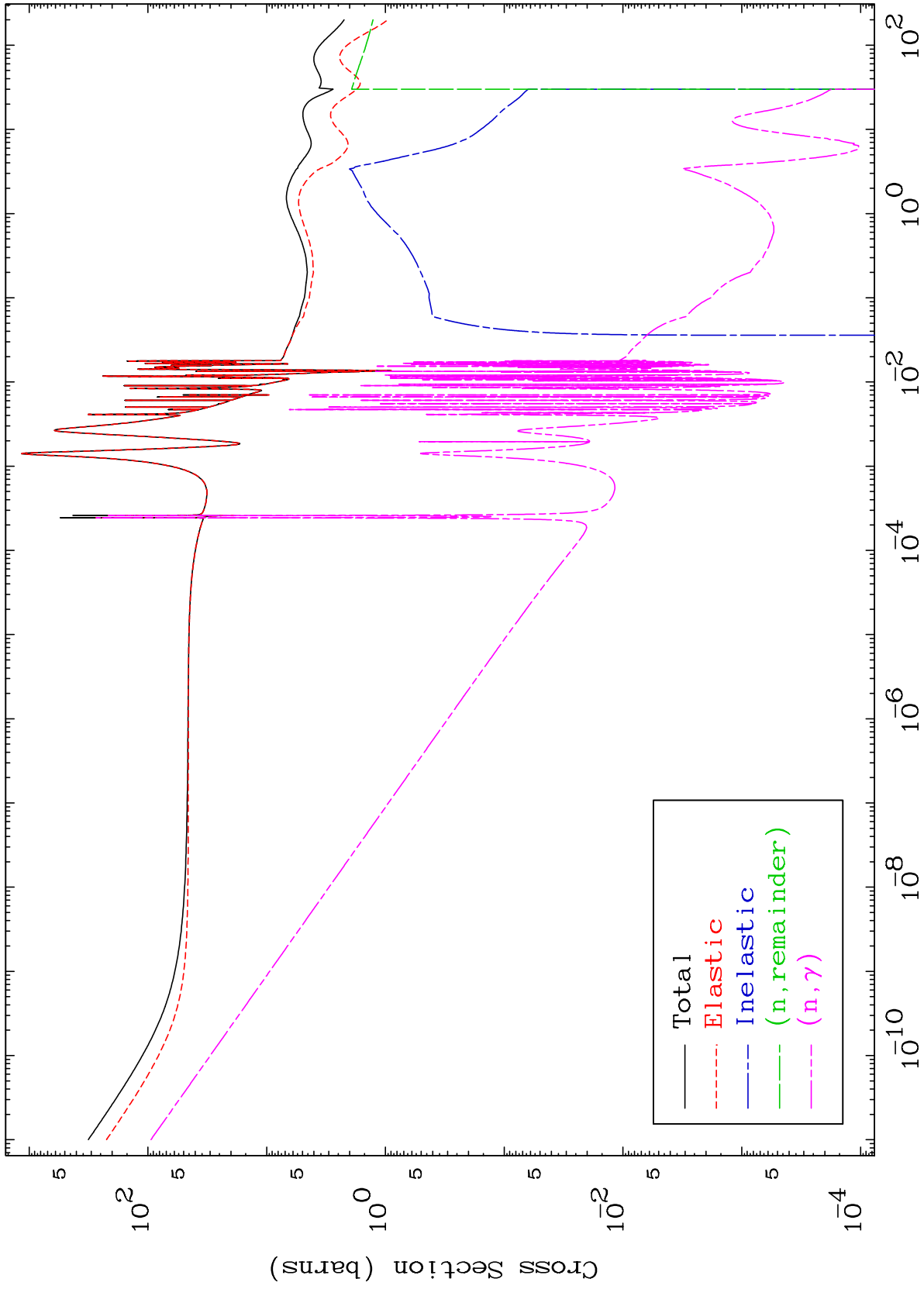
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5476

Major  
293 Kelvin Cross Sections

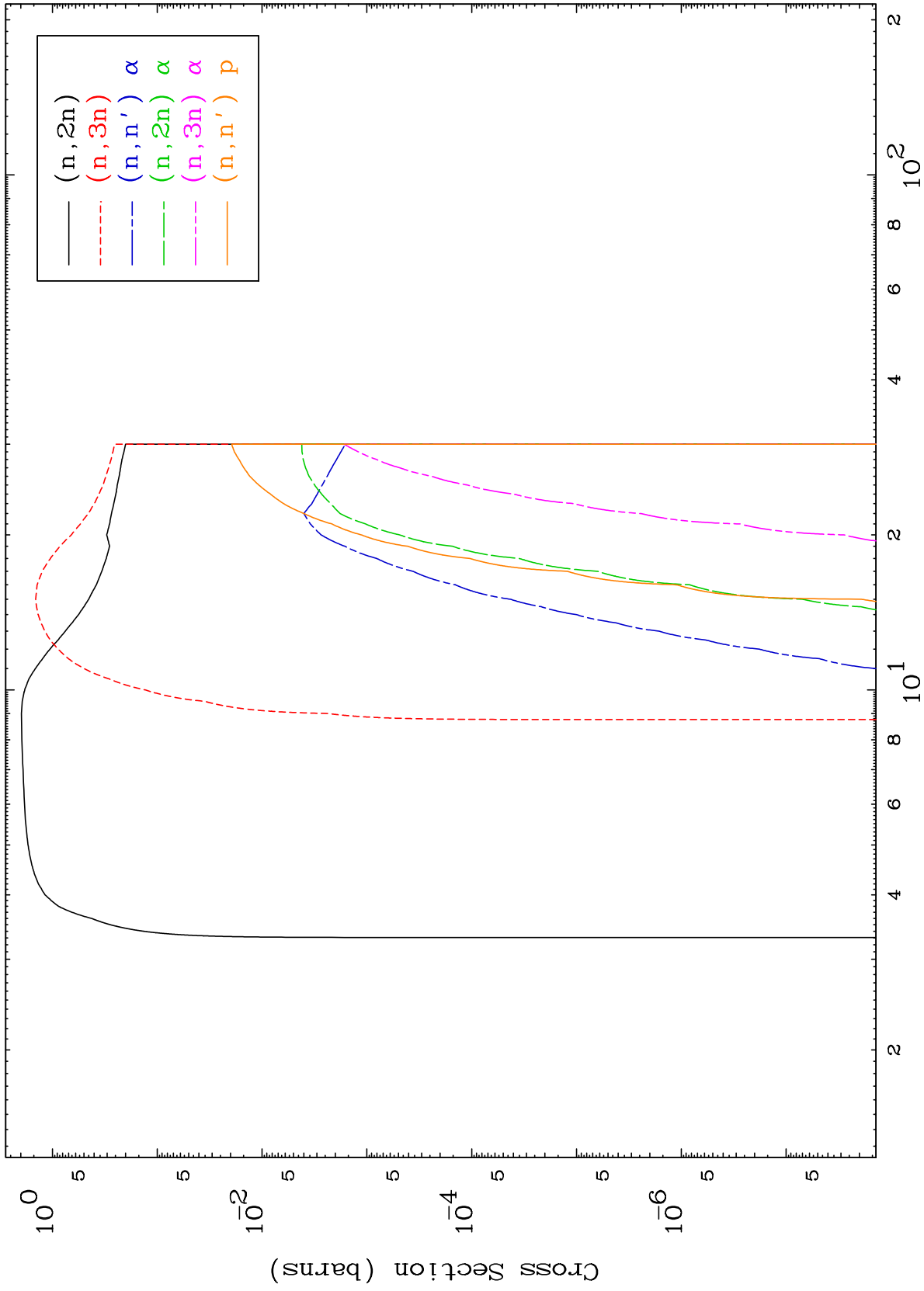
54-Xe-141



MAT 5476

Neutron Production  
293 Kelvin Cross Sections

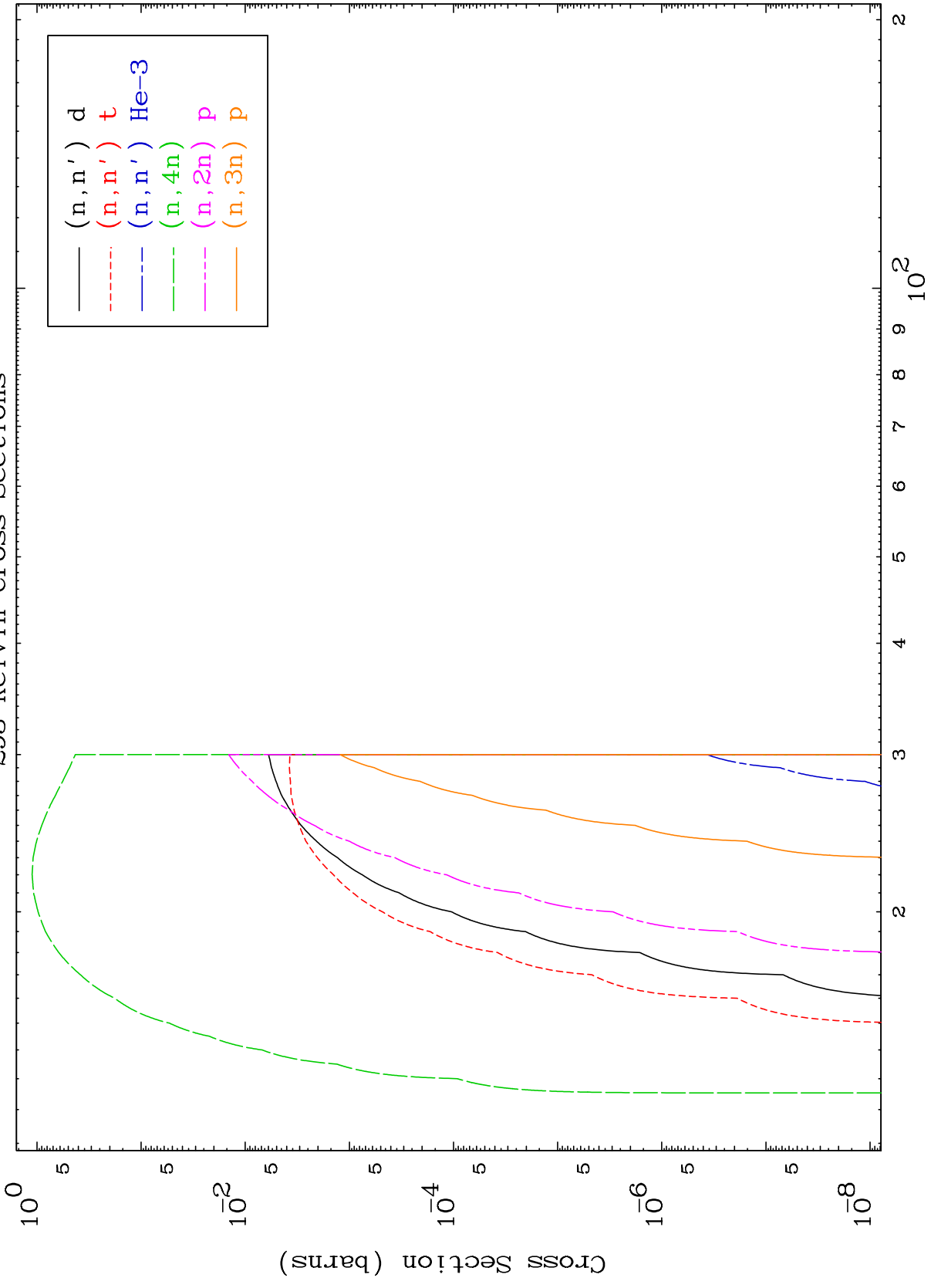
54-Xe-141



2

Incident Energy (MeV)

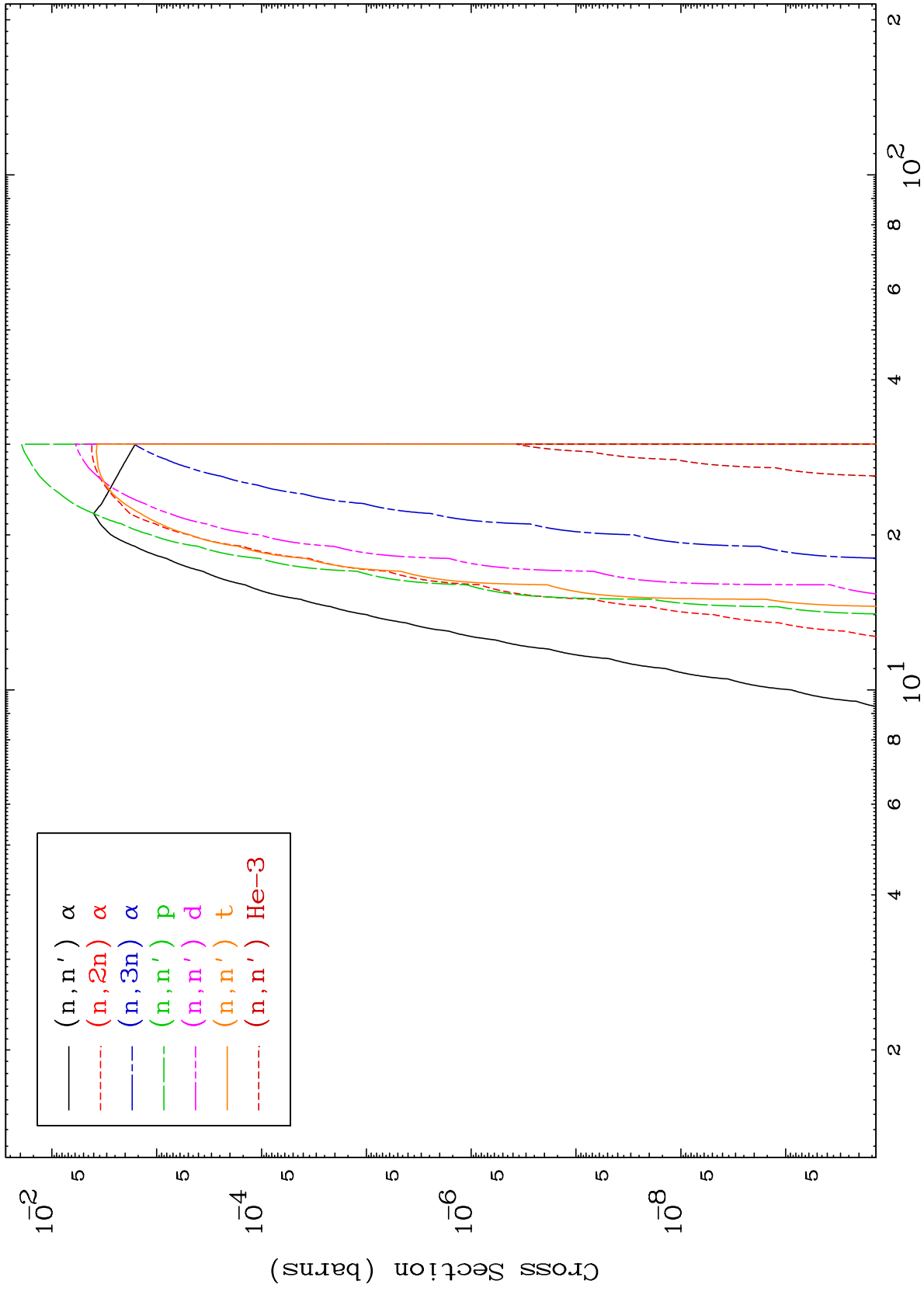
54-Xe-141



MAT 5476

293 Kelvin Cross Sections

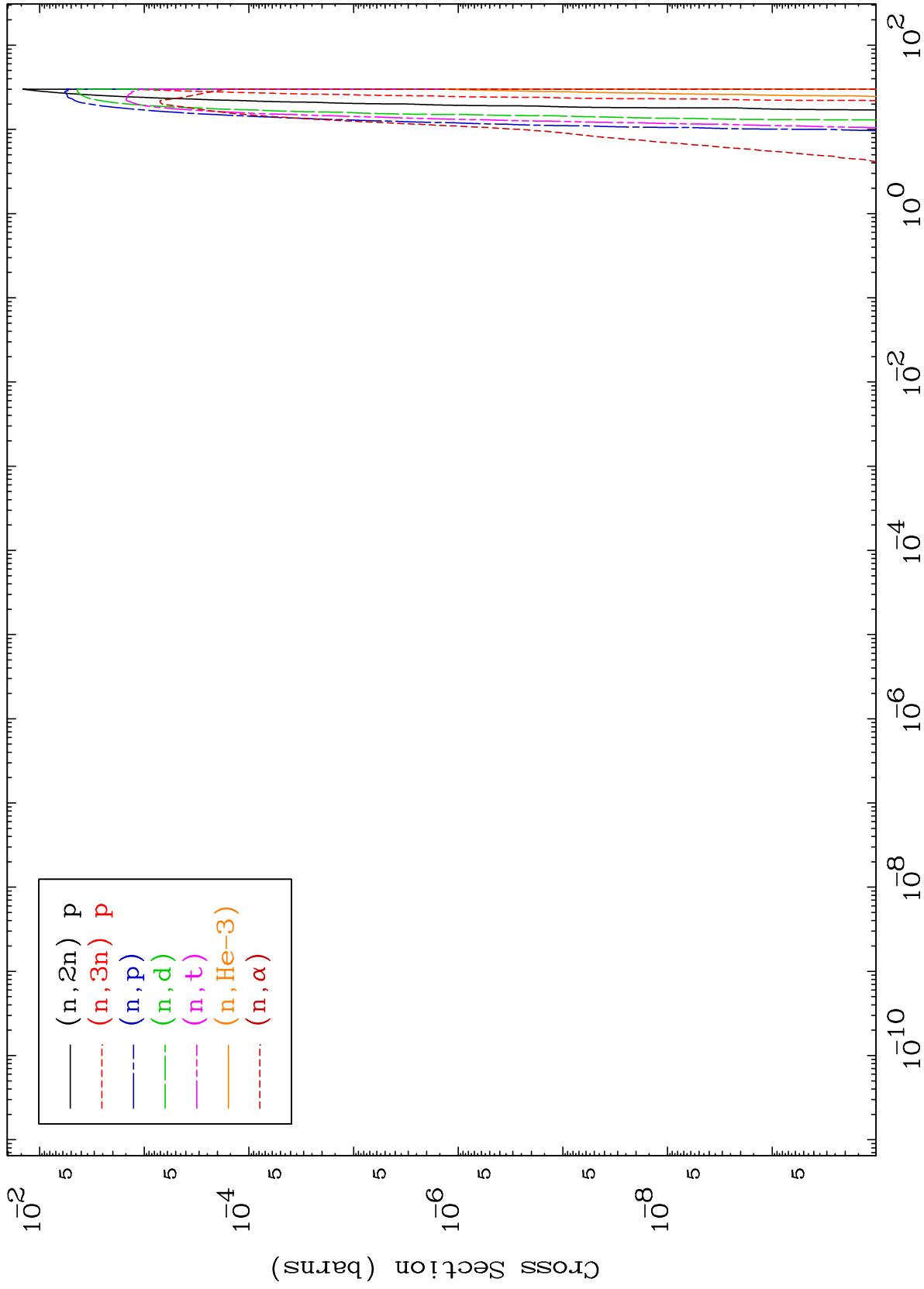
54-Xe-141



MAT 5476

Charged Particle  
293 Kelvin Cross Sections

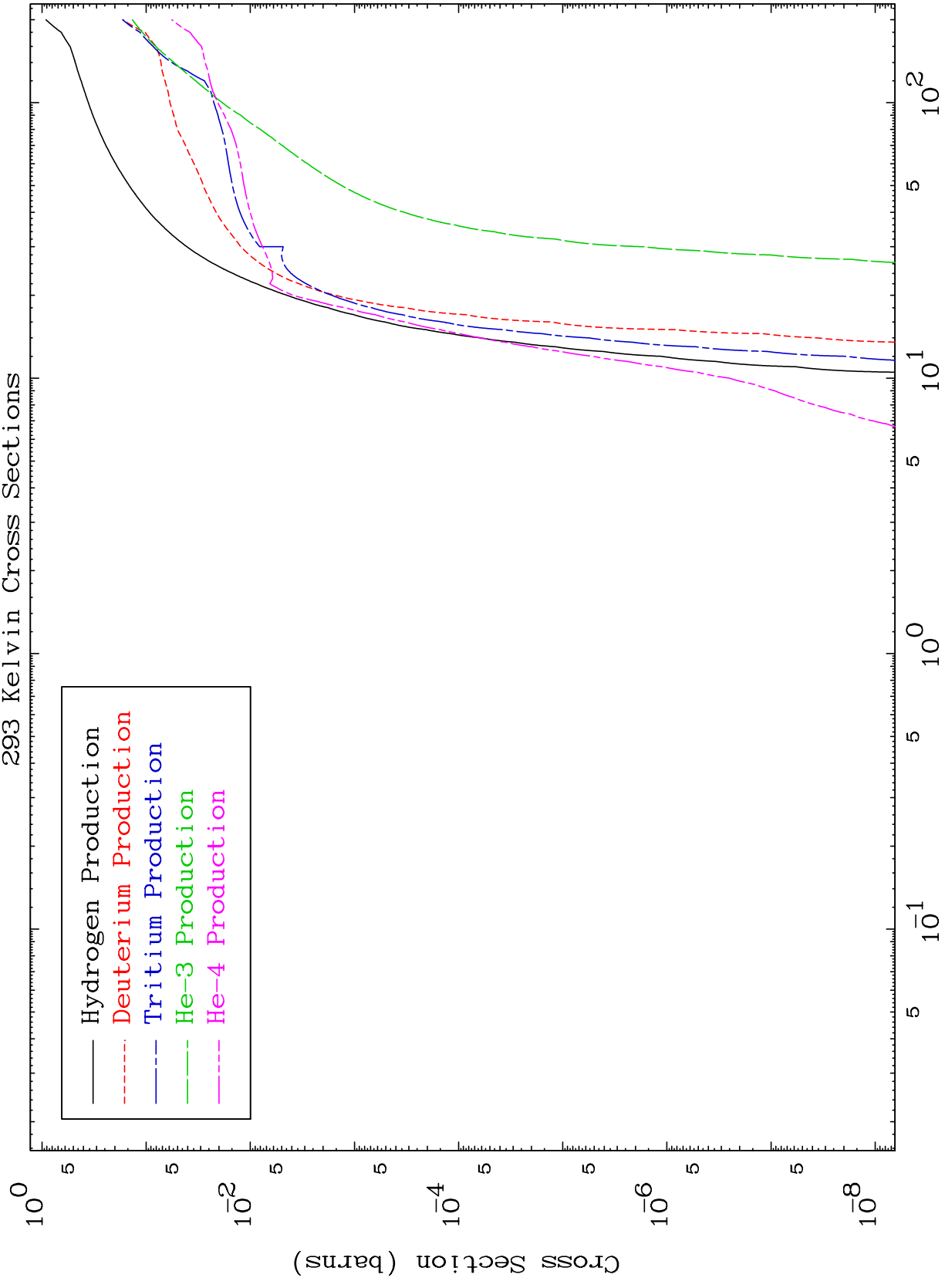
54-Xe-141



MAT 5476

Particle Production  
293 Kelvin Cross Sections

54-Xe-141



6

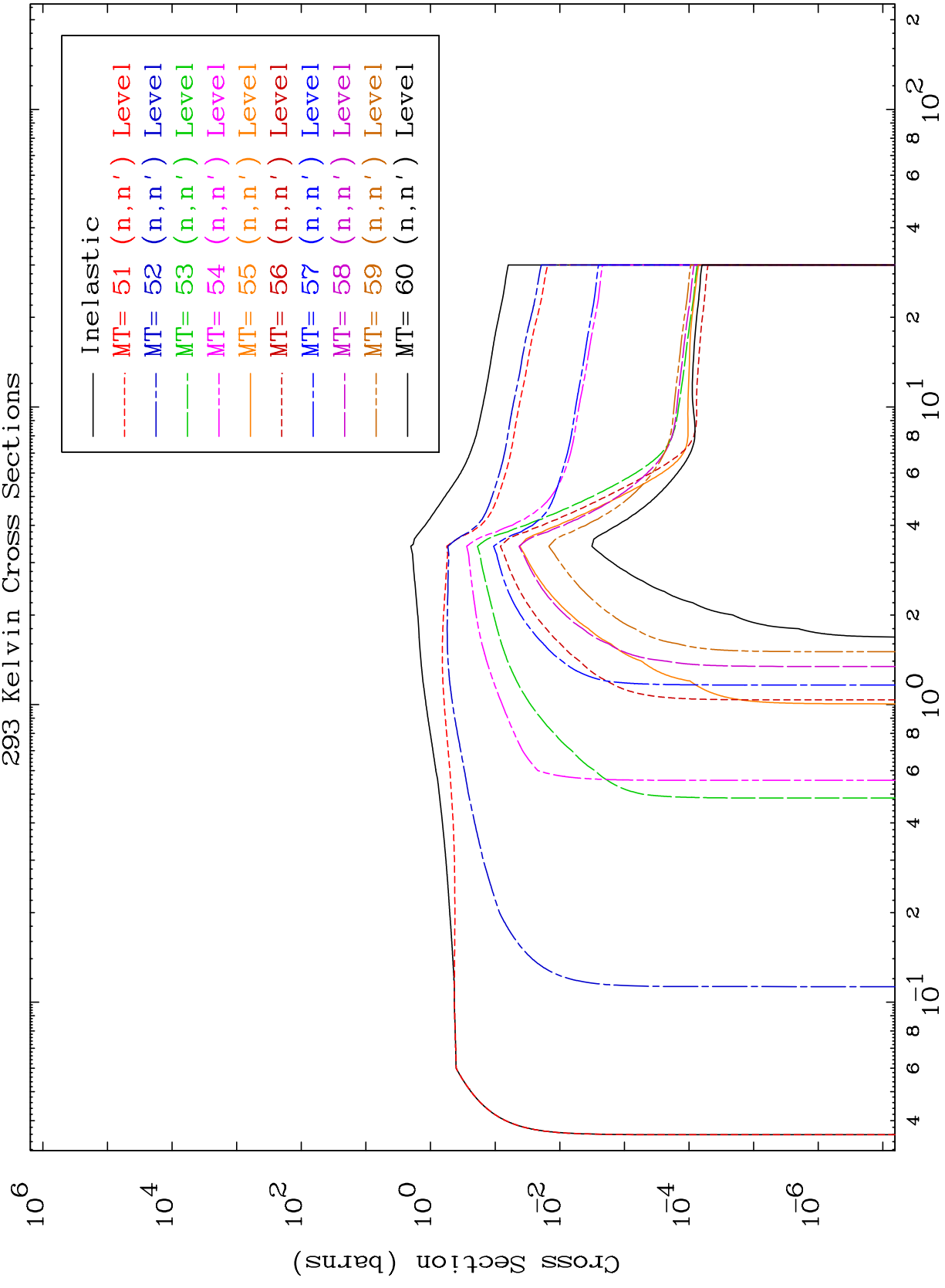
54-Xe-141

MAT 5476

(n,n') Level

54-Xe-141

293 Kelvin Cross Sections



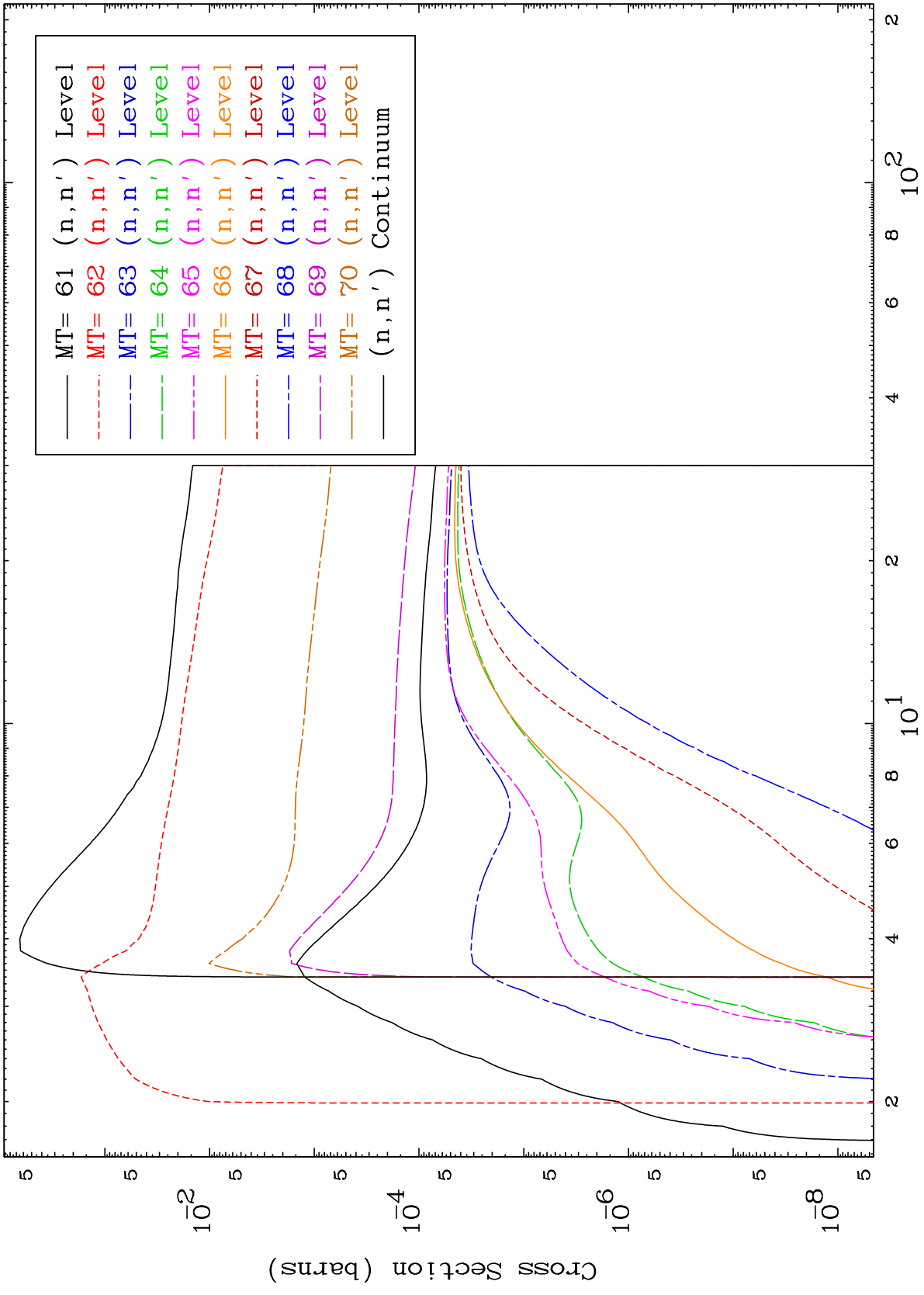


MAT 5476

(n,n') Level

54-Xe-141

293 Kelvin Cross Sections



8

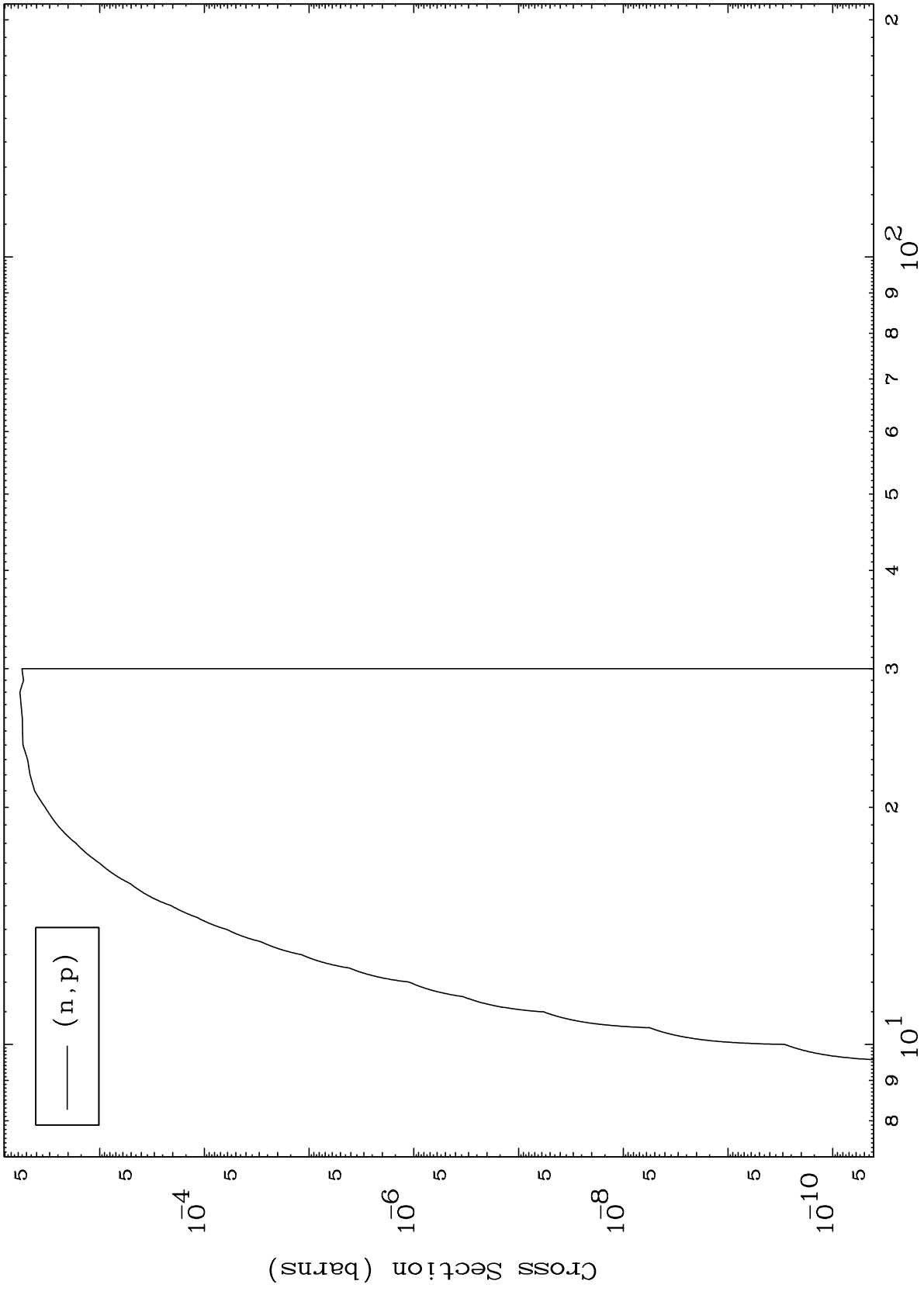
Incident Energy (MeV)

54-Xe-141

MAT 5476

(n,p) Levels  
293 Kelvin Cross Sections

54-Xe-141



9

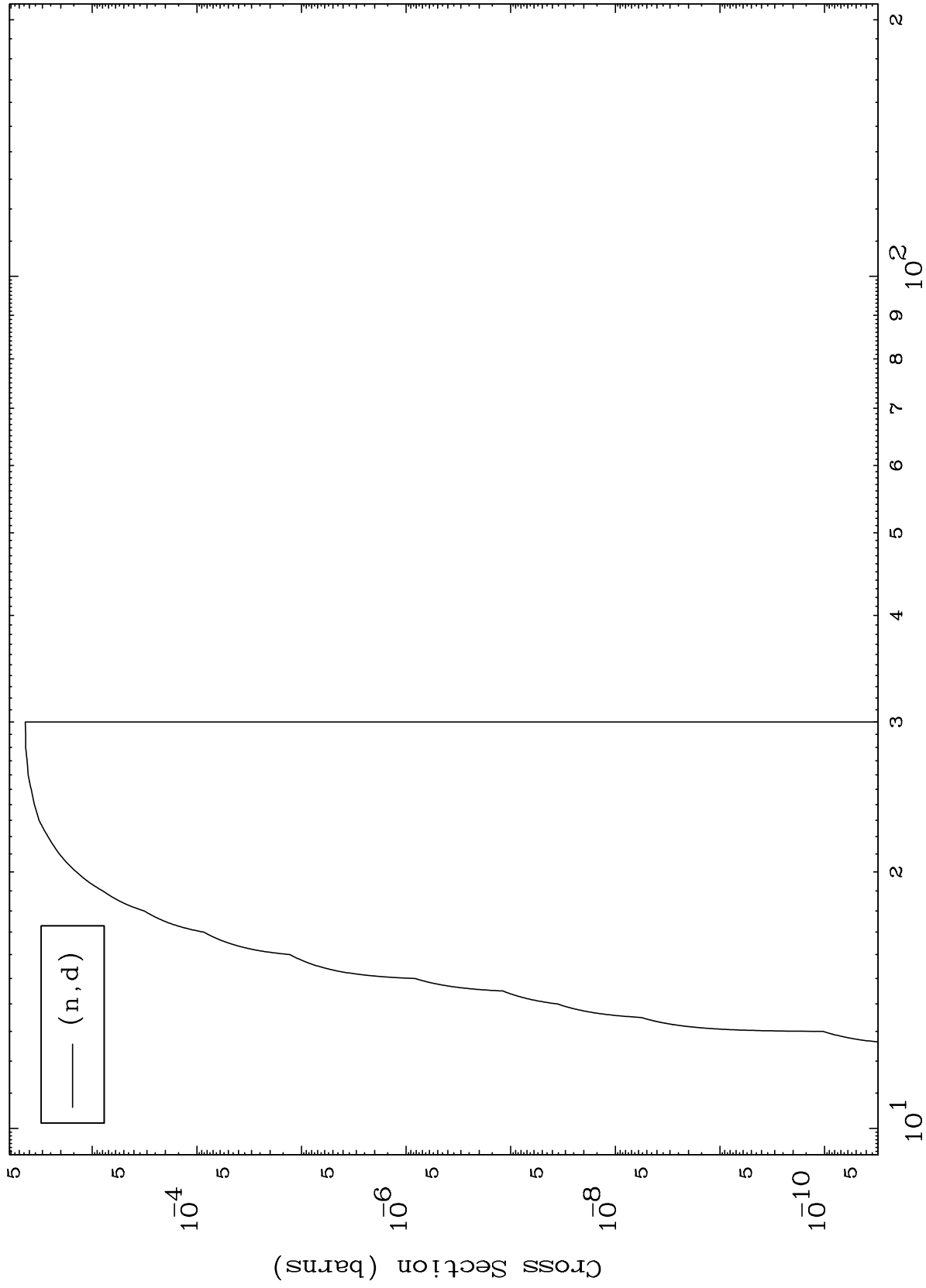
Incident Energy (MeV)

54-Xe-141

MAT 5476

(n,d) Levels  
293 Kelvin Cross Sections

54-Xe-141



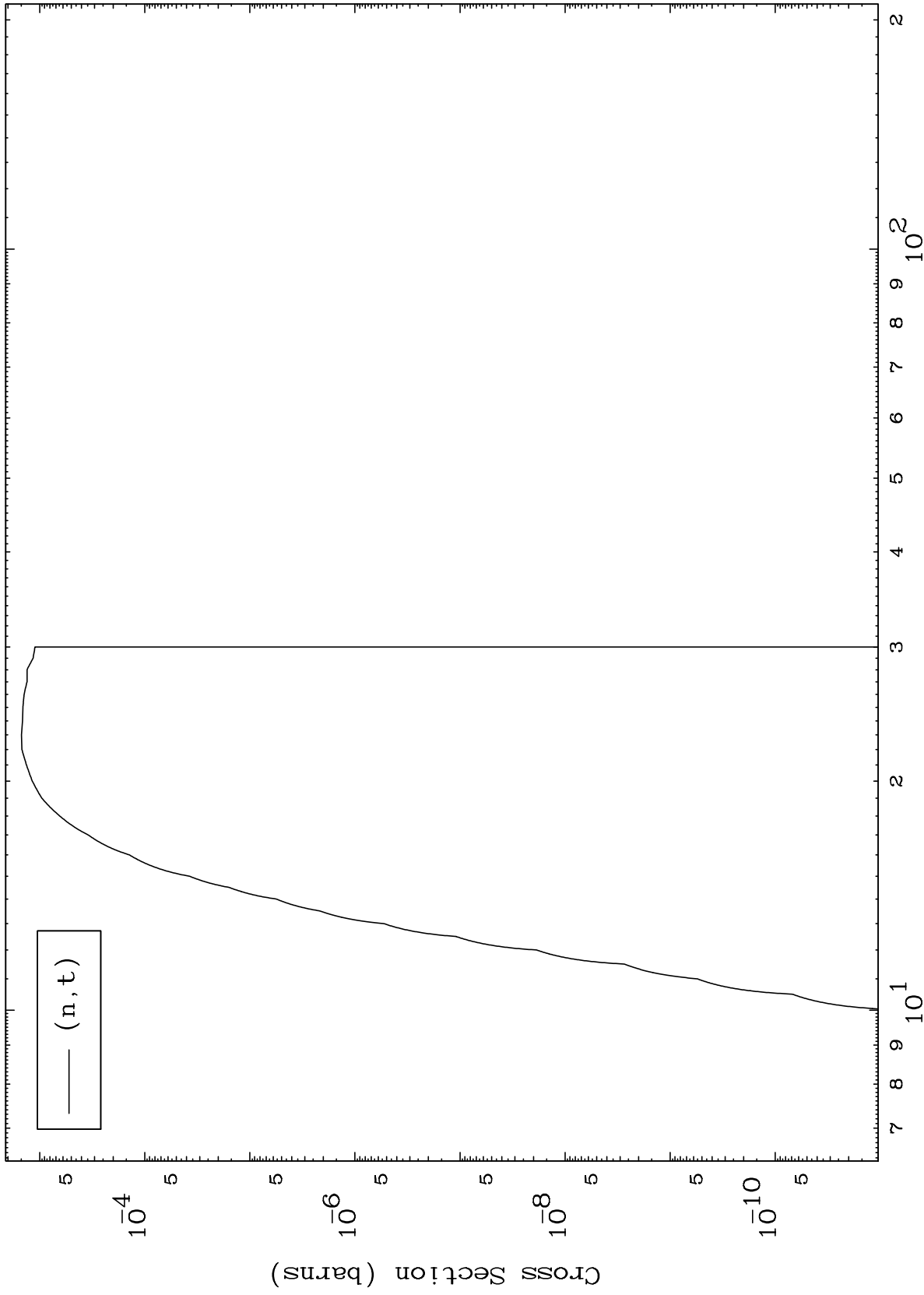
Incident Energy (MeV)

54-Xe-141

MAT 5476

(n,t) Levels  
293 Kelvin Cross Sections

54-Xe-141



11

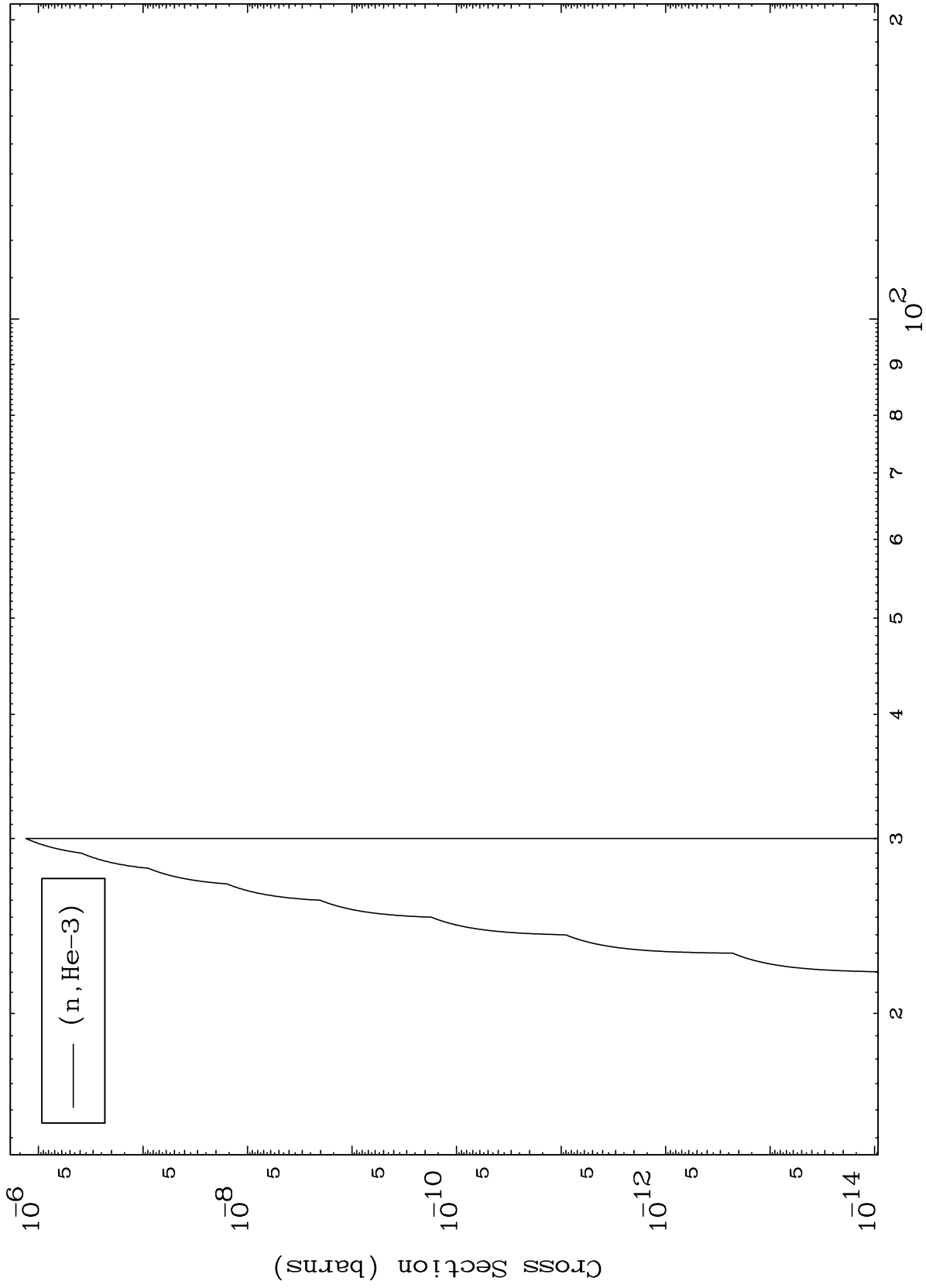
Incident Energy (MeV)

54-Xe-141

MAT 5476

(n,He3) Levels  
293 Kelvin Cross Sections

54-Xe-141



12

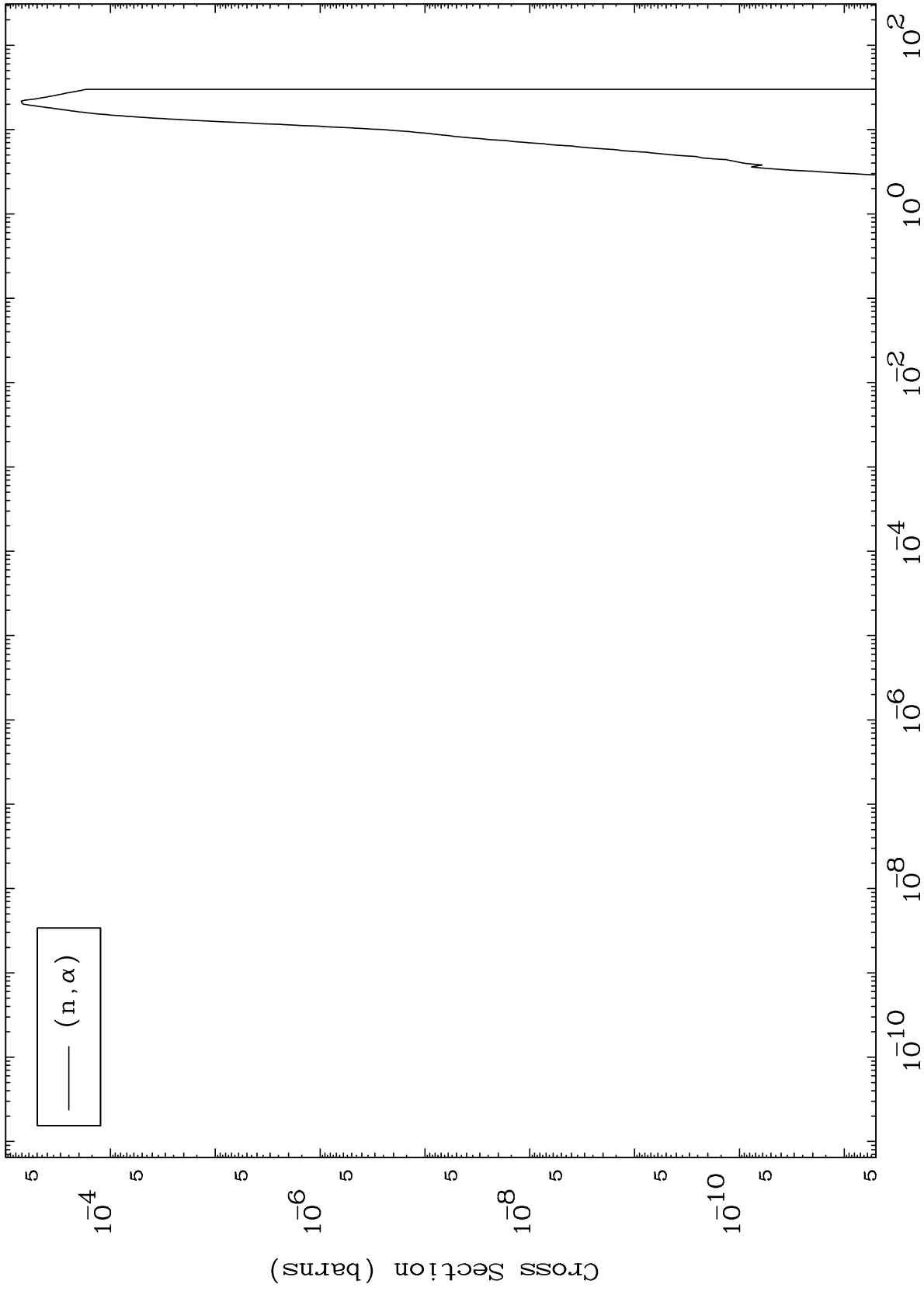
Incident Energy (MeV)

54-Xe-141

MAT 5476

(n,α) Levels  
293 Kelvin Cross Sections

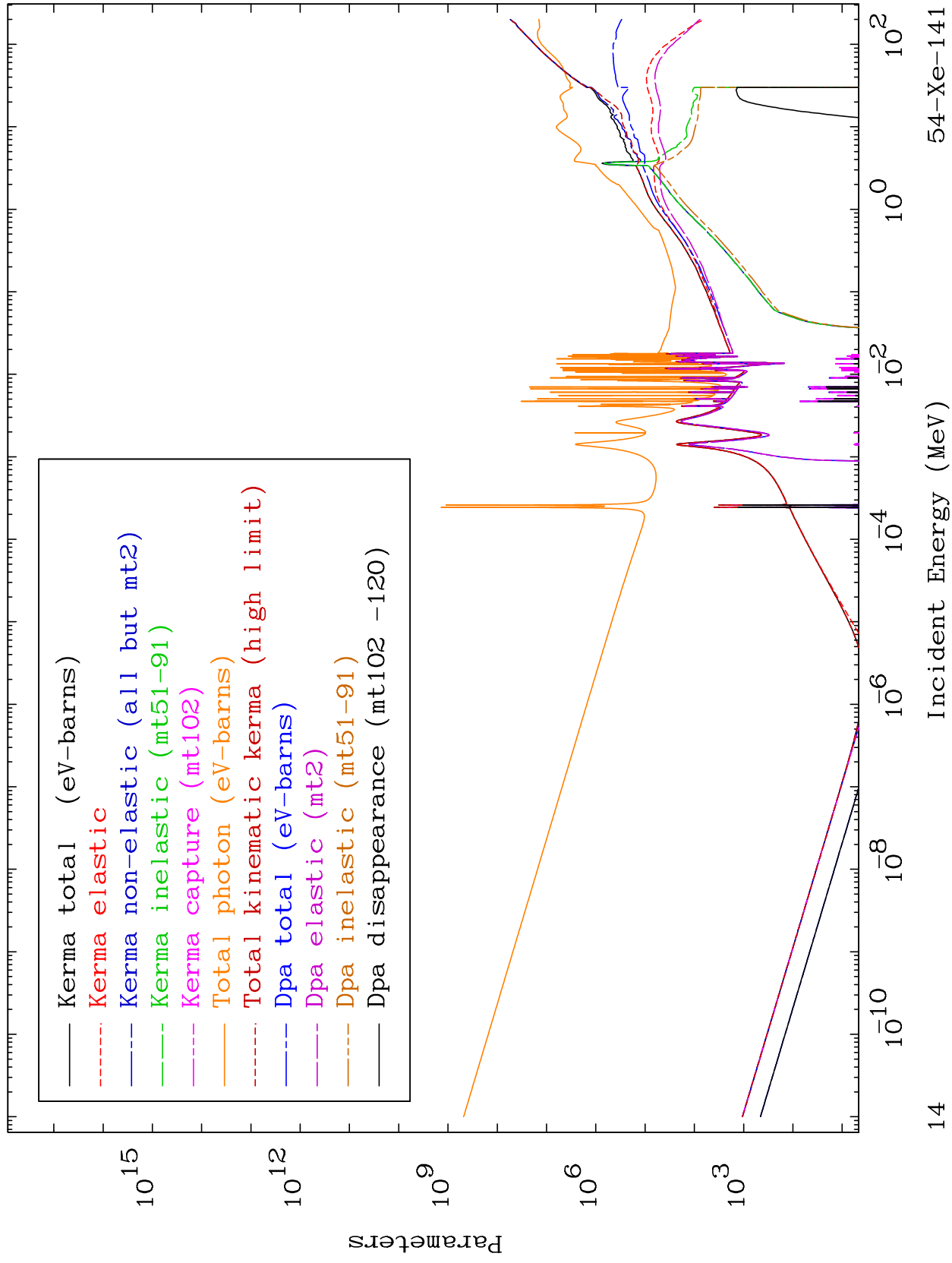
54-Xe-141



13

Incident Energy (MeV)

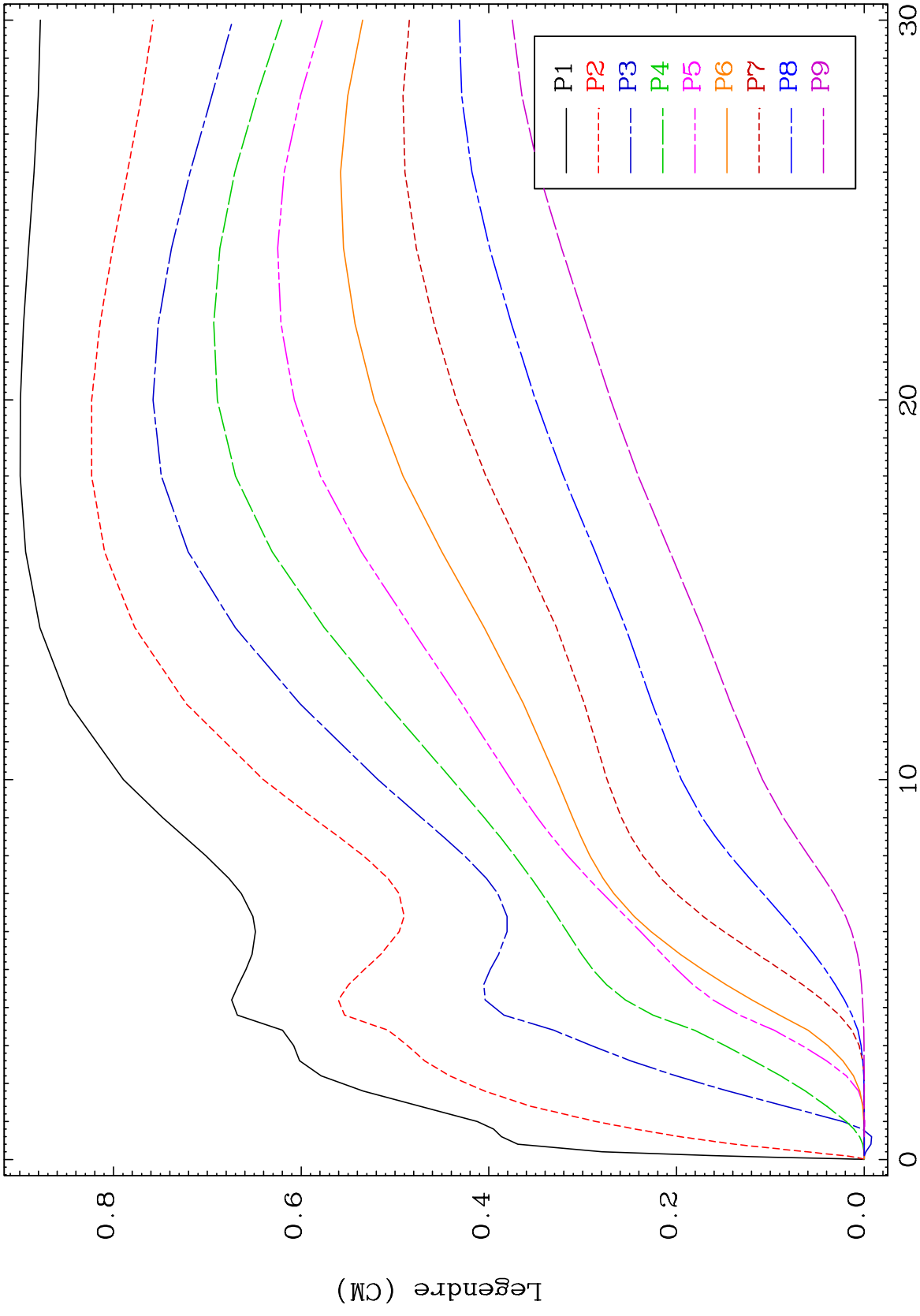
54-Xe-141



MAT 5476

Elastic Legendre Coefficients

54-Xe-141



15

Incident Energy (MeV)

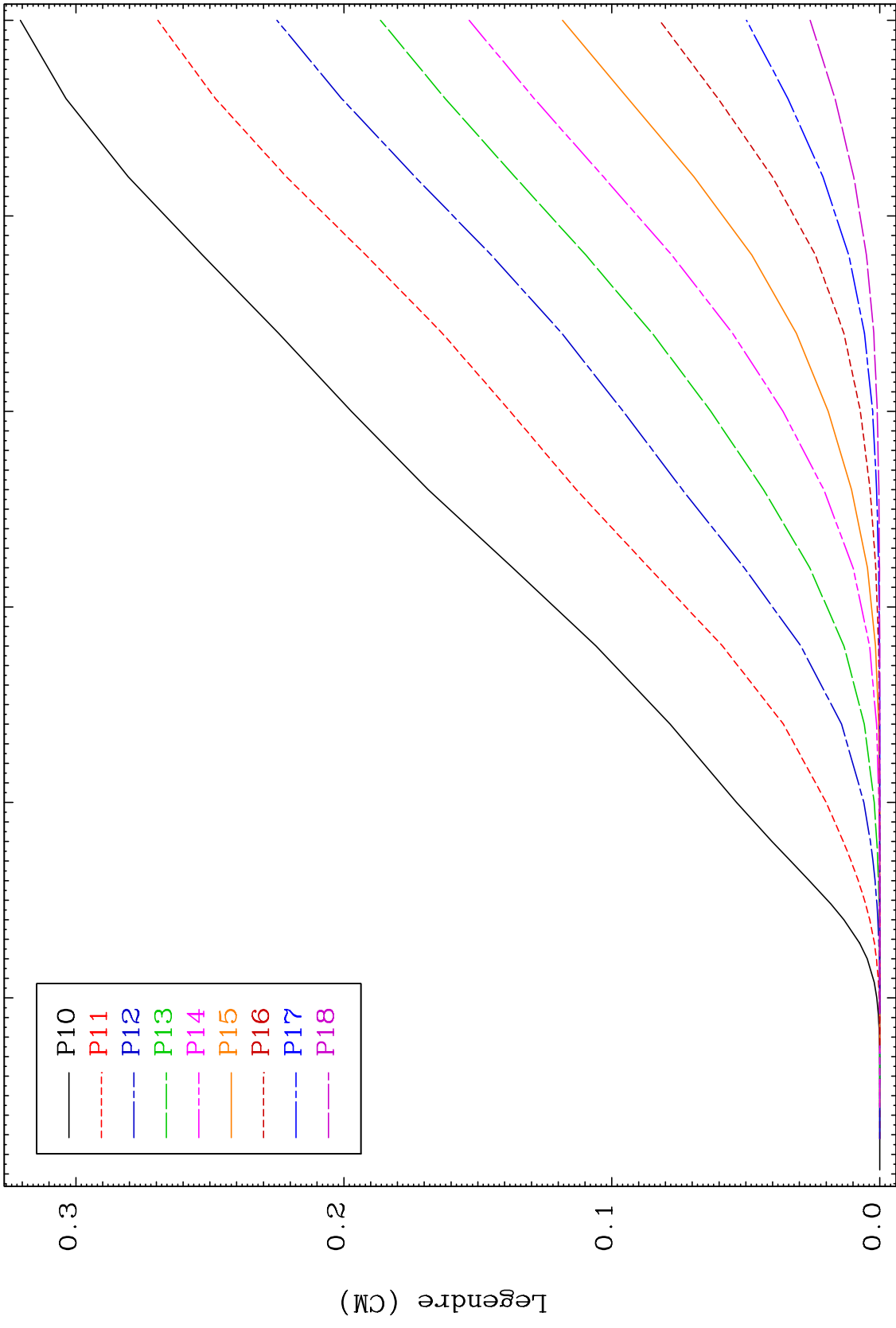
54-Xe-141



MAT 5476

Elastic Legendre Coefficients

54-Xe-141



16

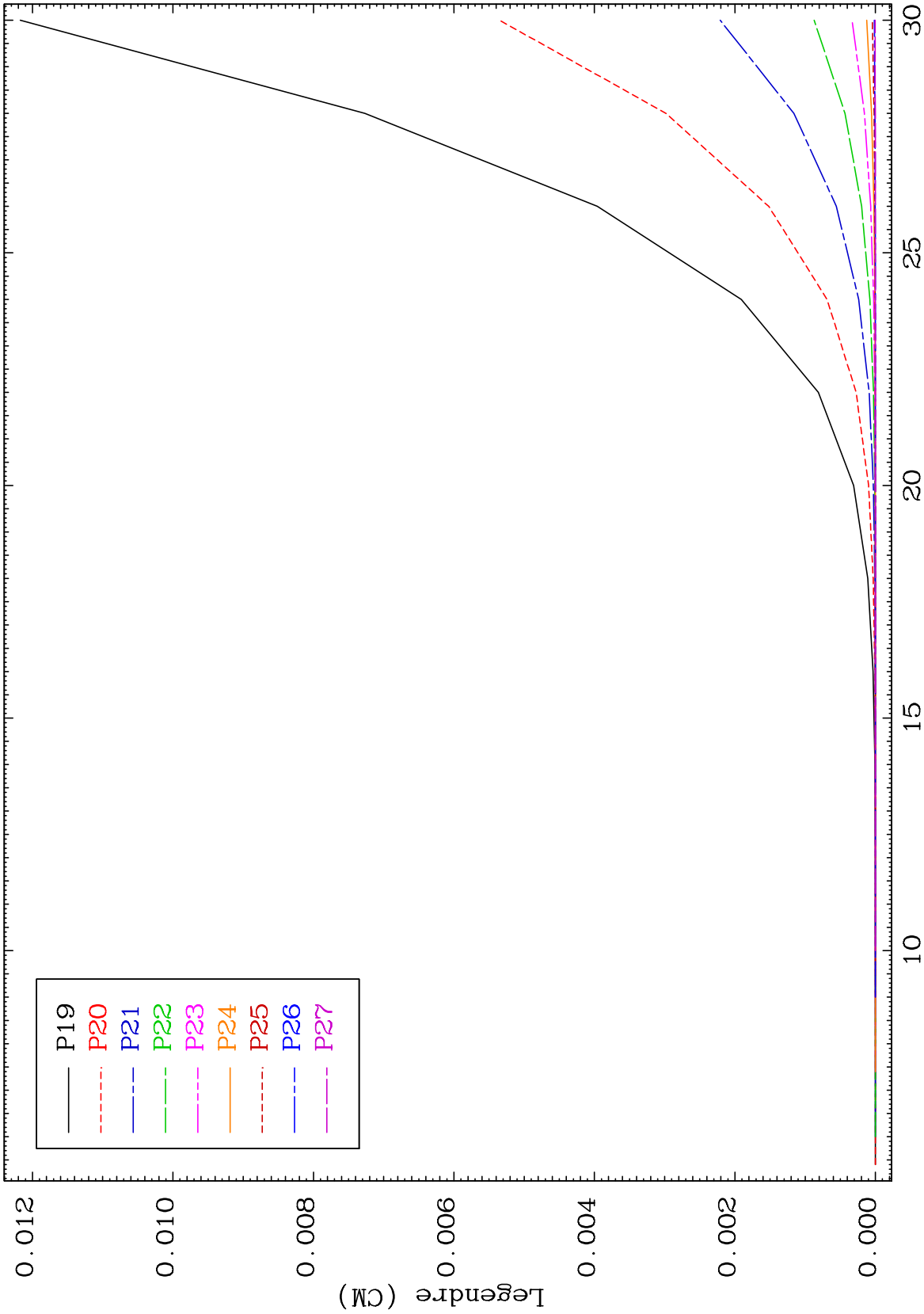
Incident Energy (MeV)

54-Xe-141

MAT 5476

Elastic Legendre Coefficients

54-Xe-141

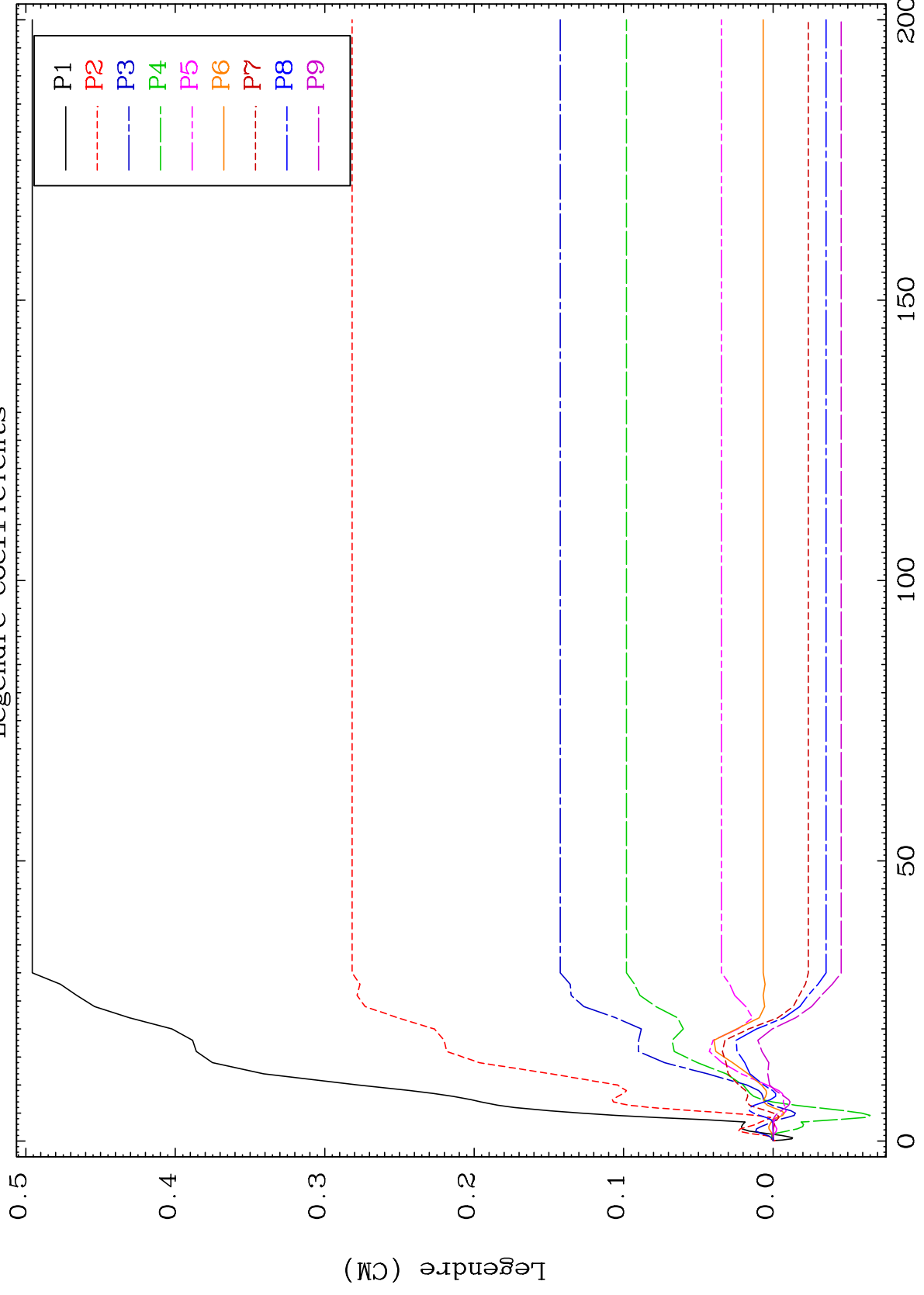


17

54-Xe-141



MAT 5476 MT= 51 (n,n') Level Legendre Coefficients 54-Xe-141

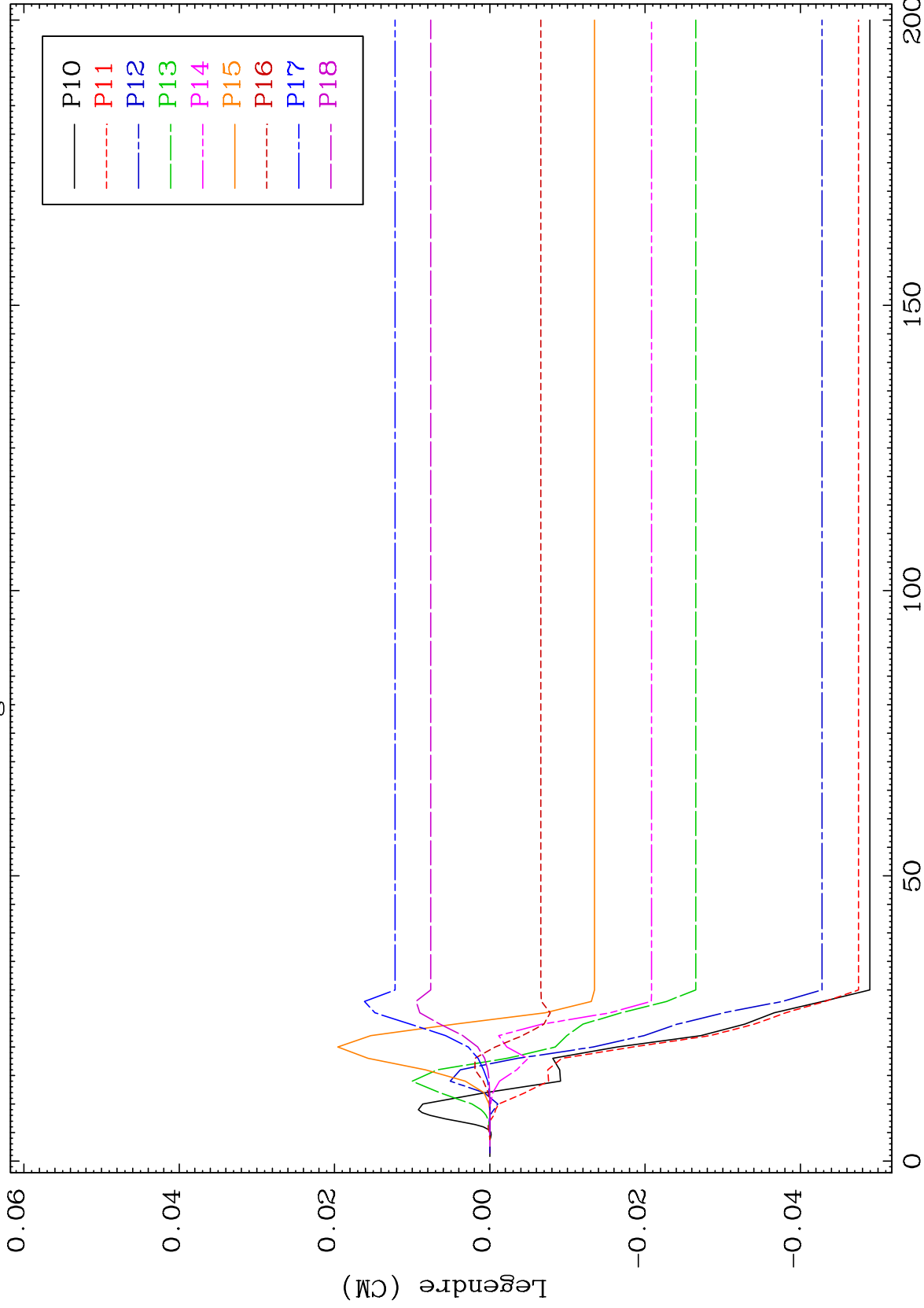


19 54-Xe-141

MAT 5476

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

54-Xe-141



0

50

100

150

200

Incident Energy (MeV)

54-Xe-141

Legendre (cm)

0.06

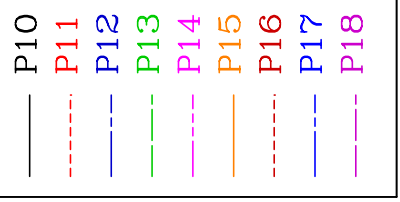
0.04

0.02

0.00

-0.02

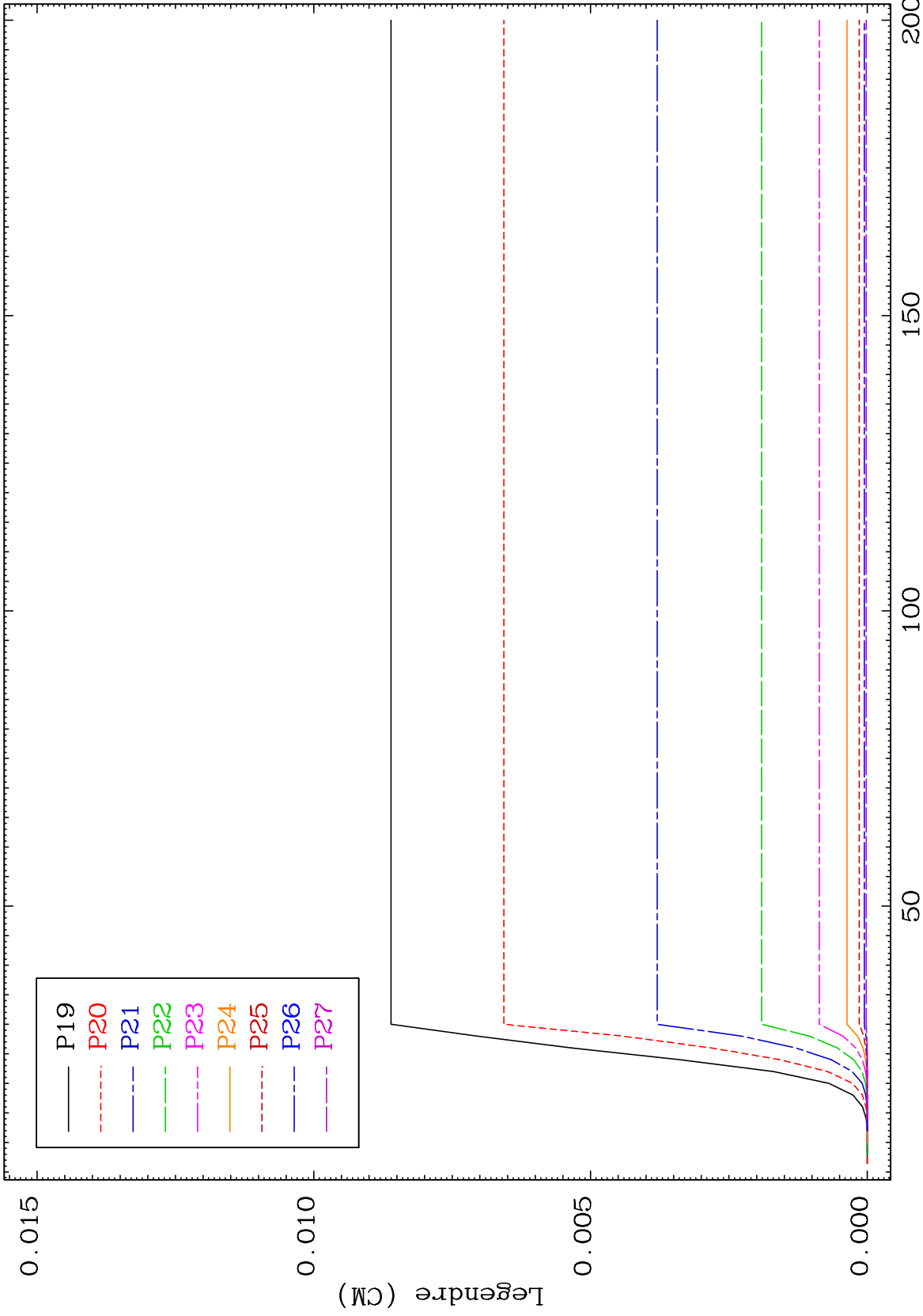
-0.04



MAT 5476

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

54-Xe-141



21

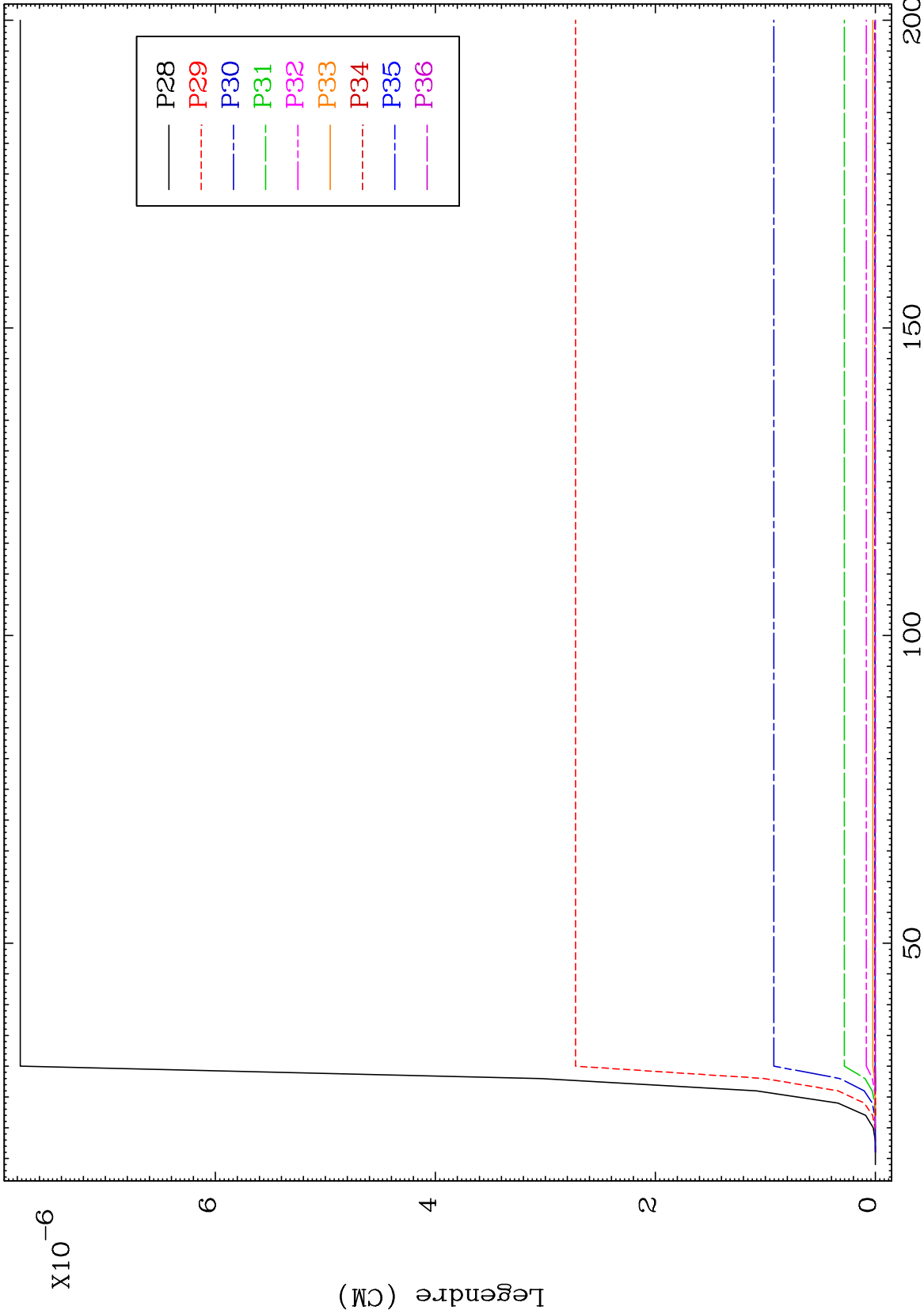
Incident Energy (MeV)

54-Xe-141

MAT 5476

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

54-Xe-141

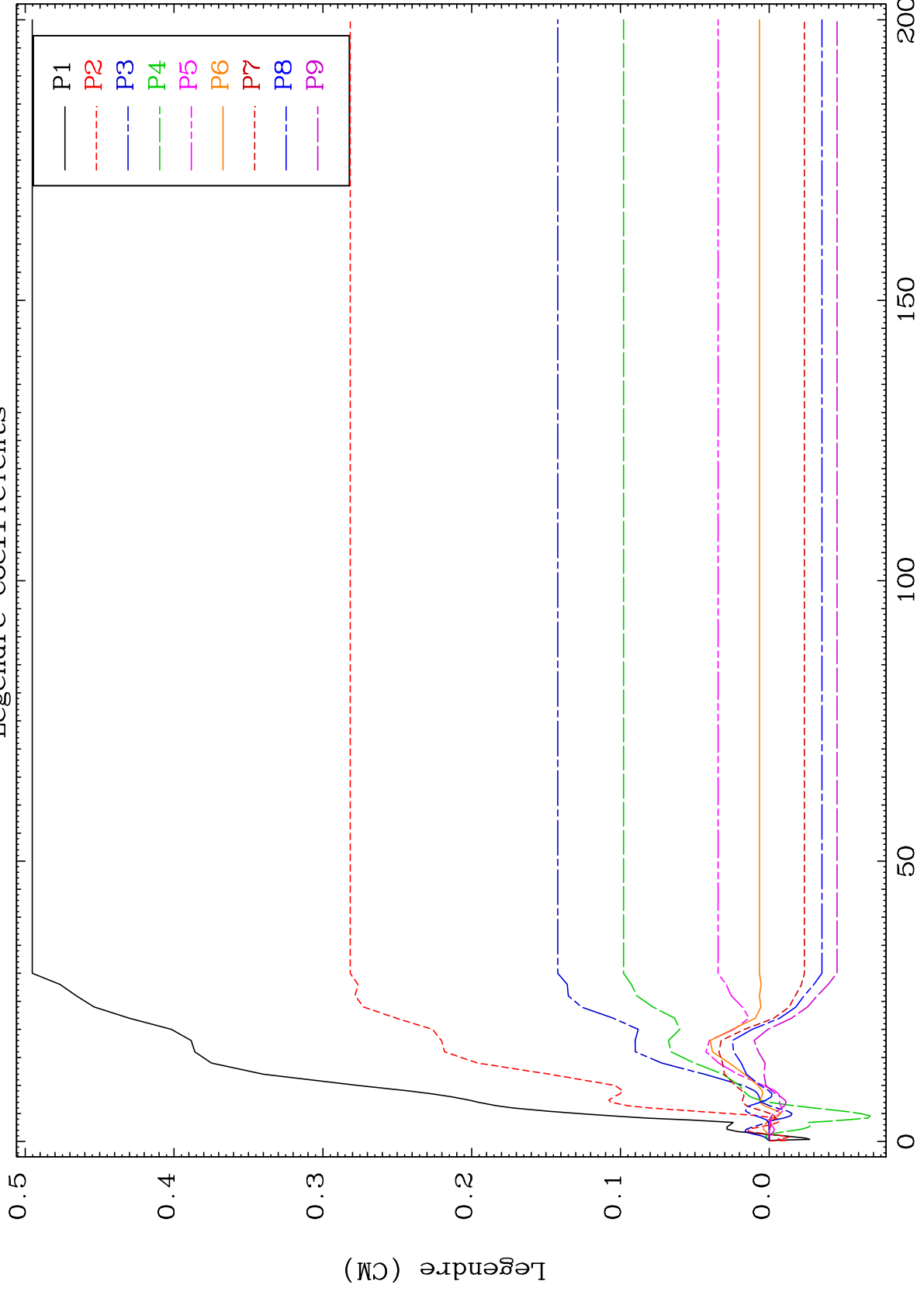


22

Incident Energy (MeV)

54-Xe-141

MAT 5476 MT= 52 (n,n') Level Legendre Coefficients 54-Xe-141



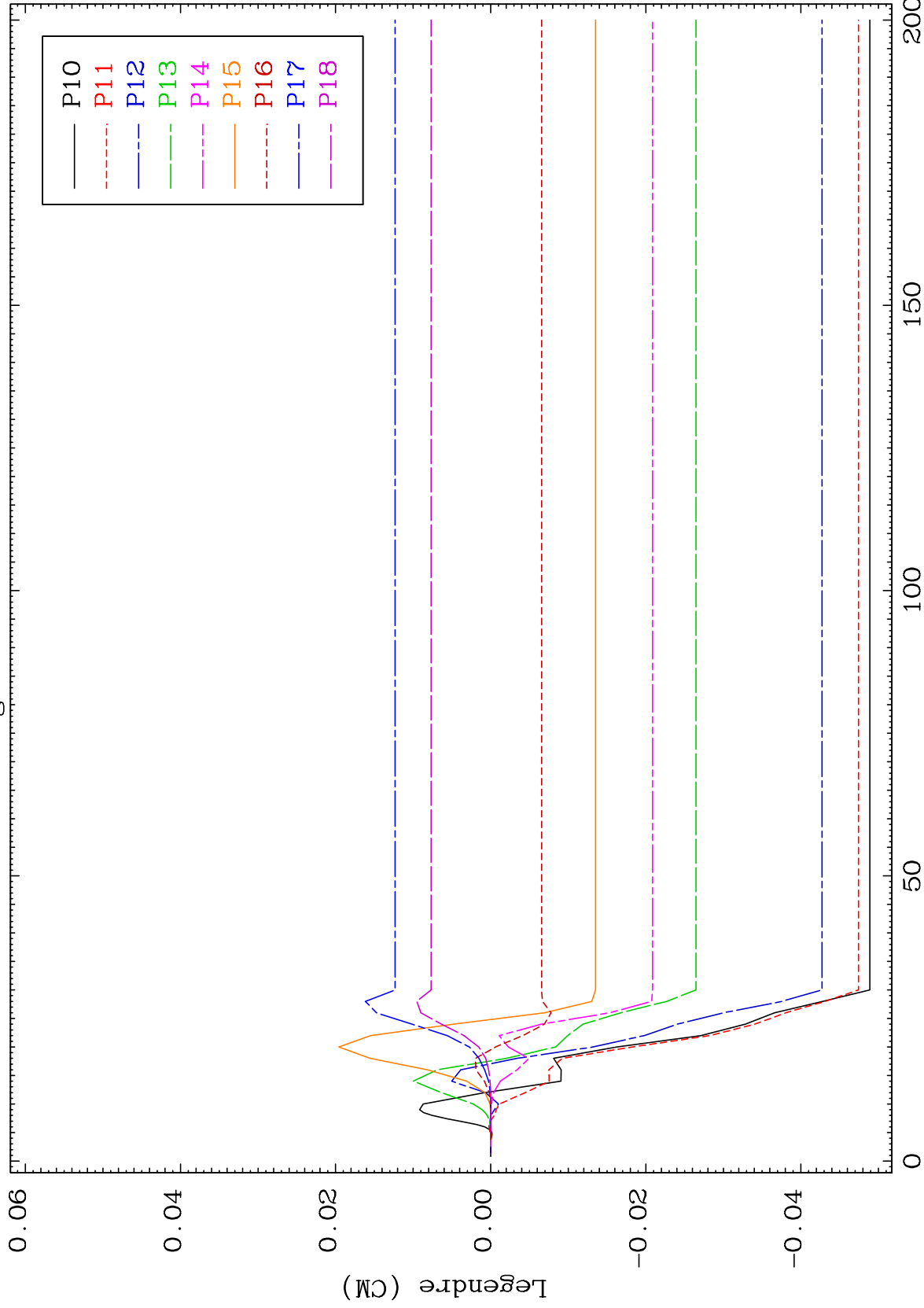
23 54-Xe-141



MAT 5476

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

54-Xe-141



24

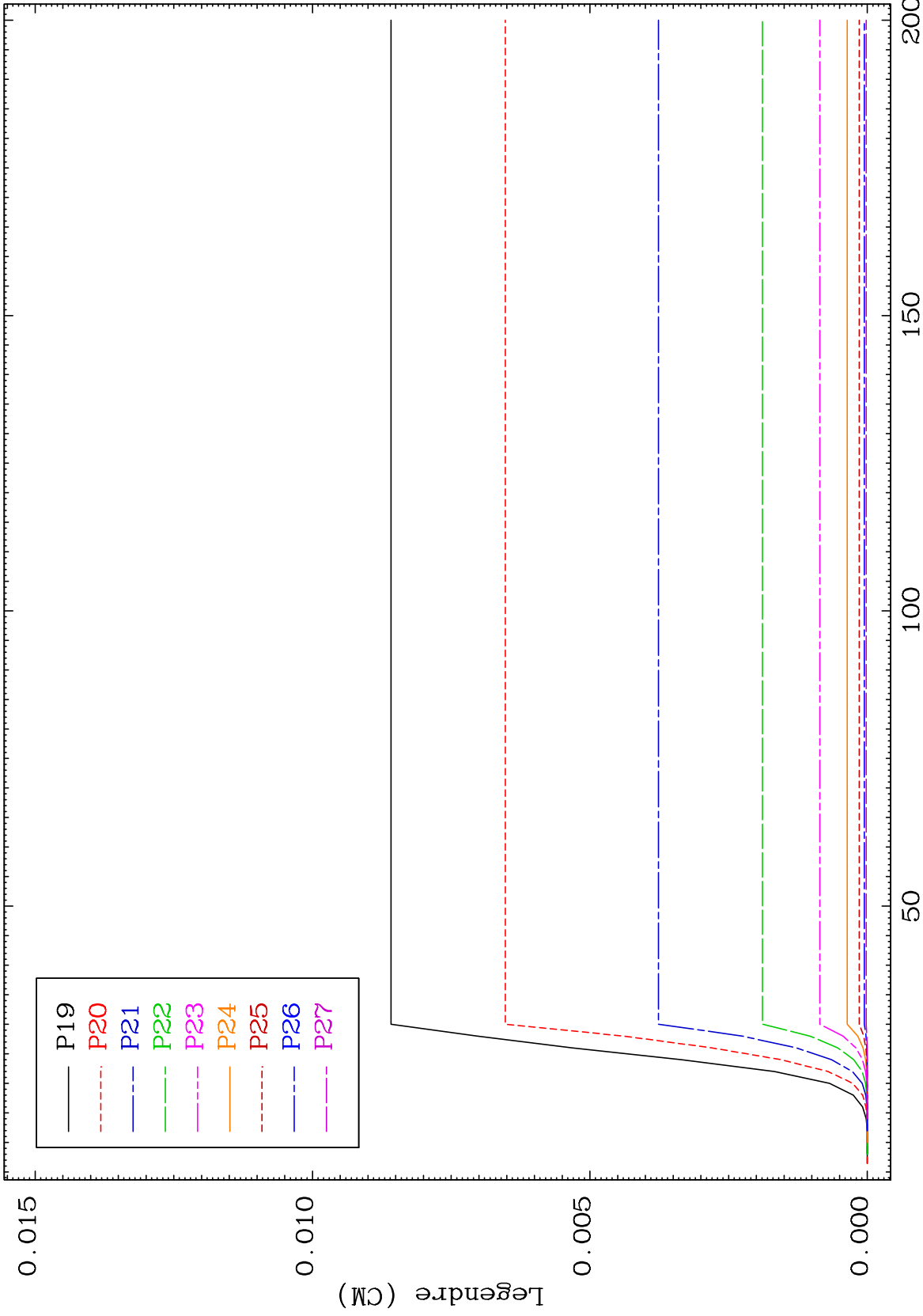
Incident Energy (MeV)

54-Xe-141

MAT 5476

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

54-Xe-141



25

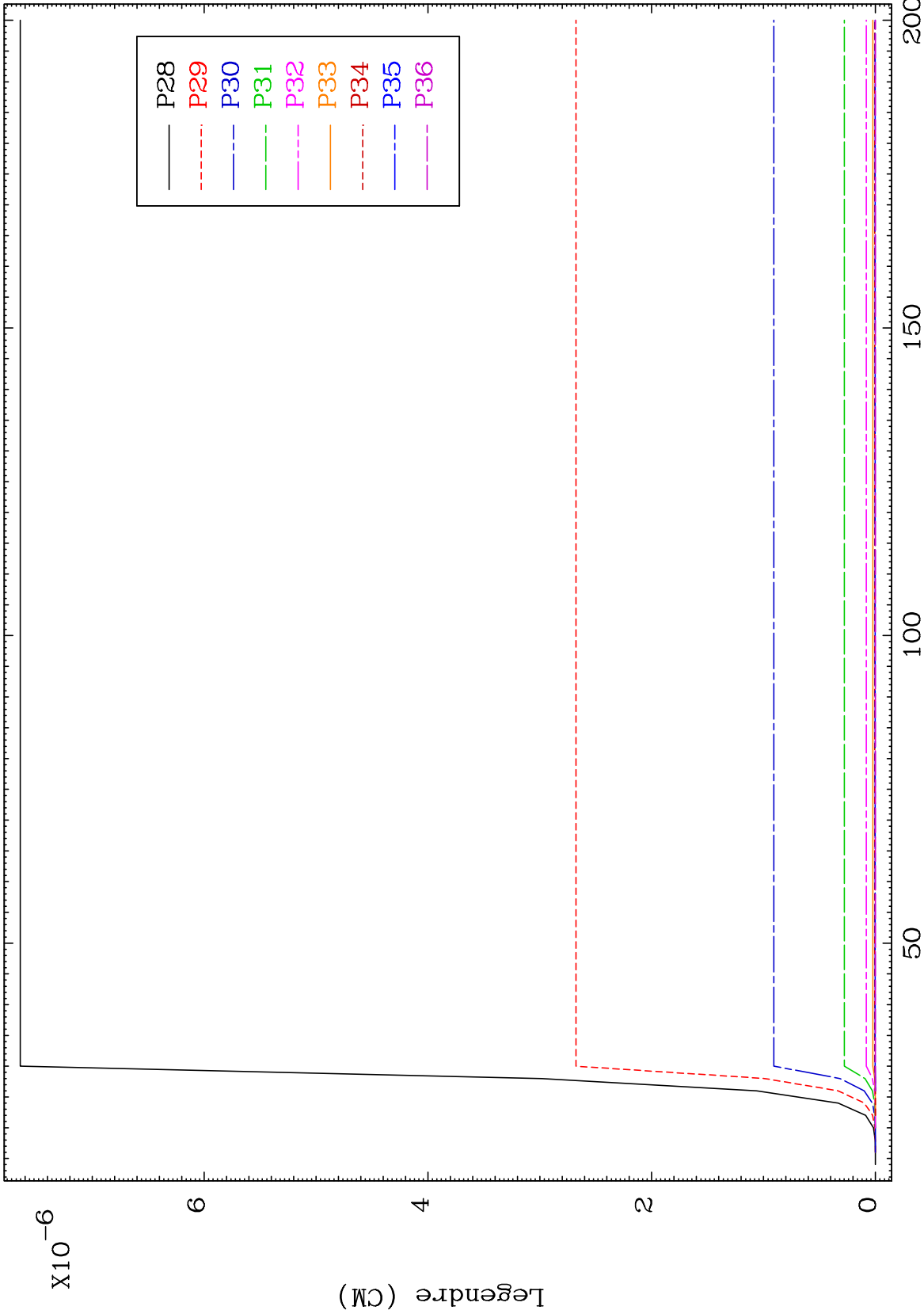
Incident Energy (MeV)

54-Xe-141

MAT 5476

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

54-Xe-141



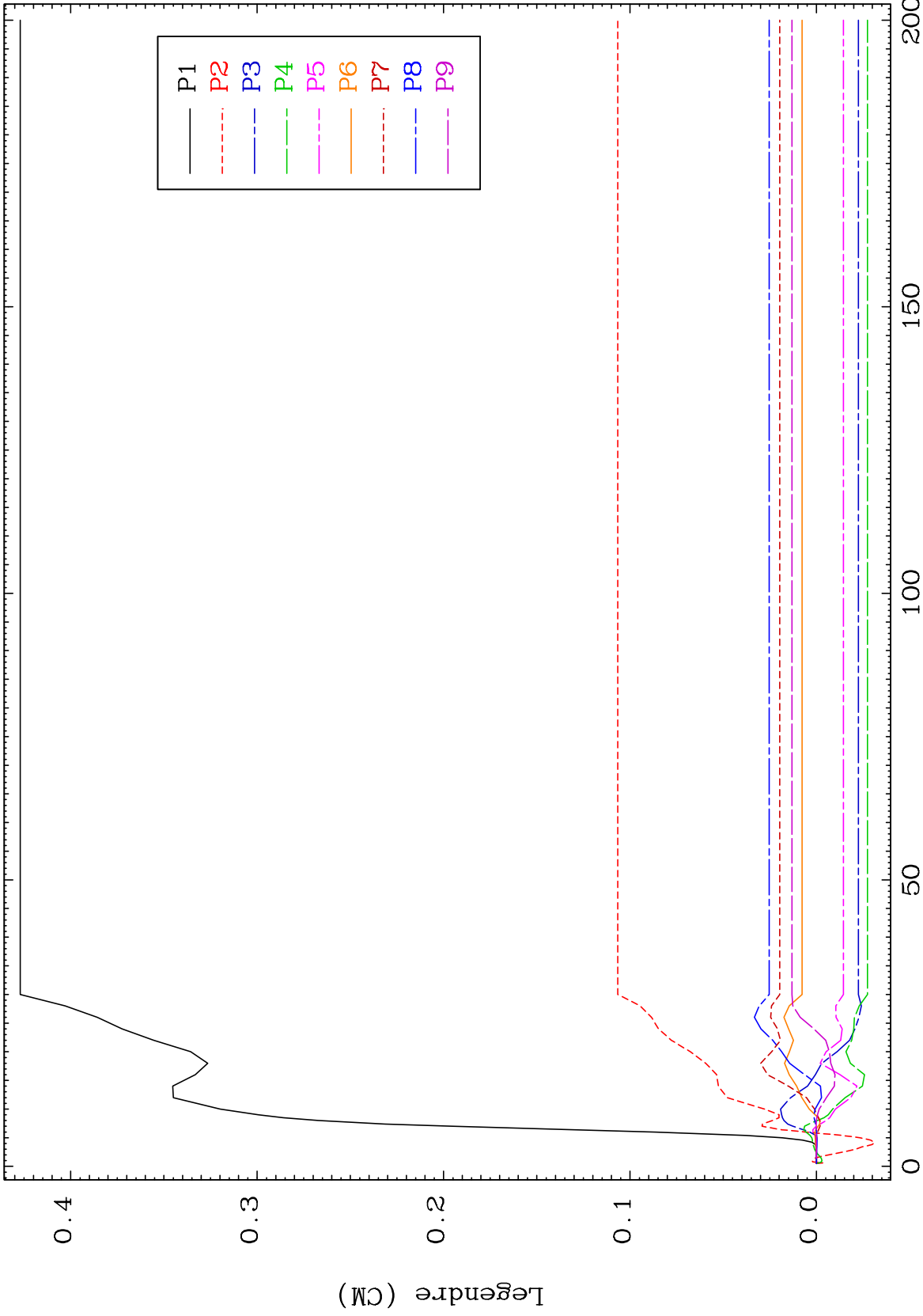
26

54-Xe-141

MAT 5476

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

54-Xe-141

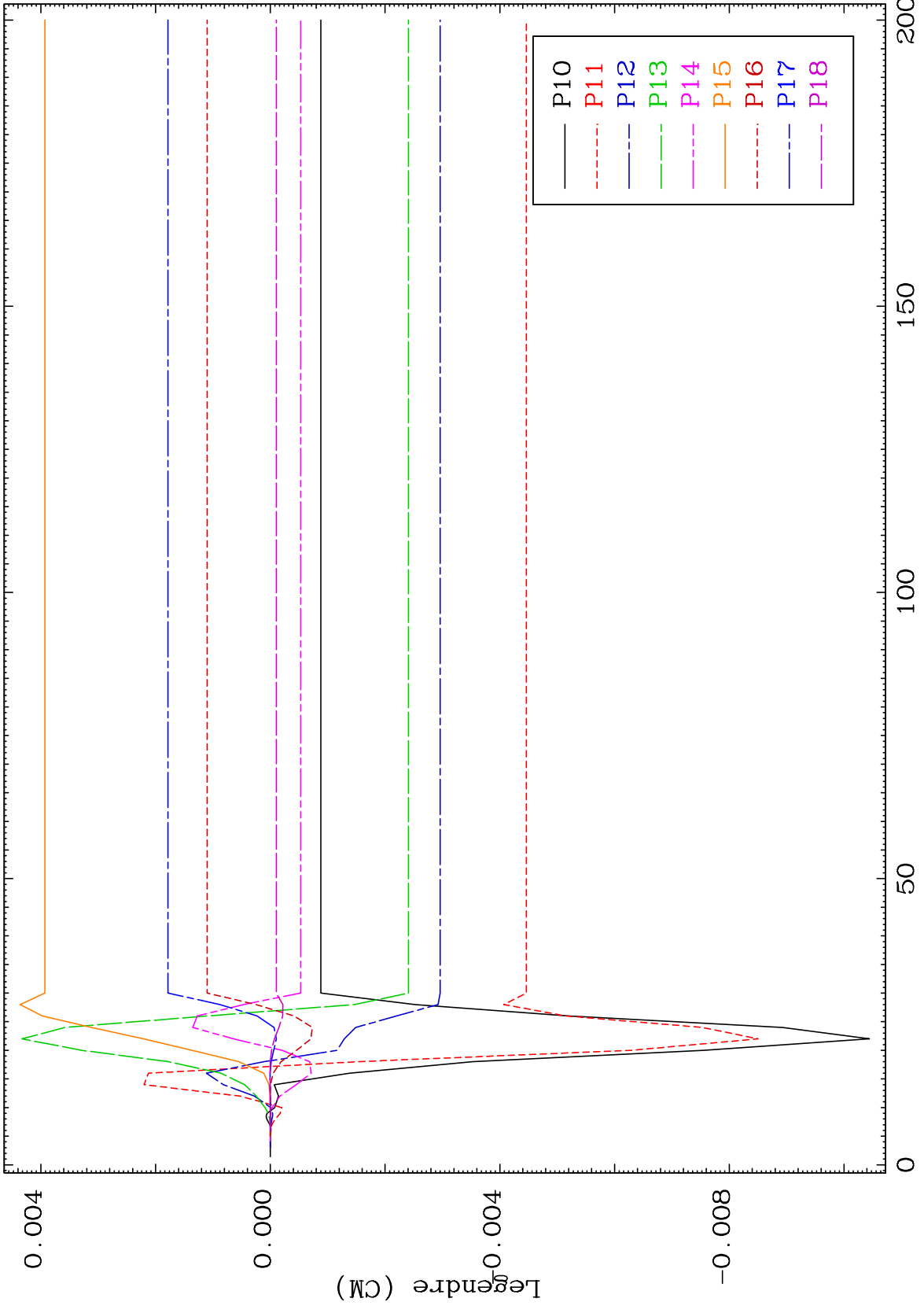


27

Incident Energy (MeV)

54-Xe-141

MAT 5476 MT= 53 (n,n') Level Legendre Coefficients 54-Xe-141

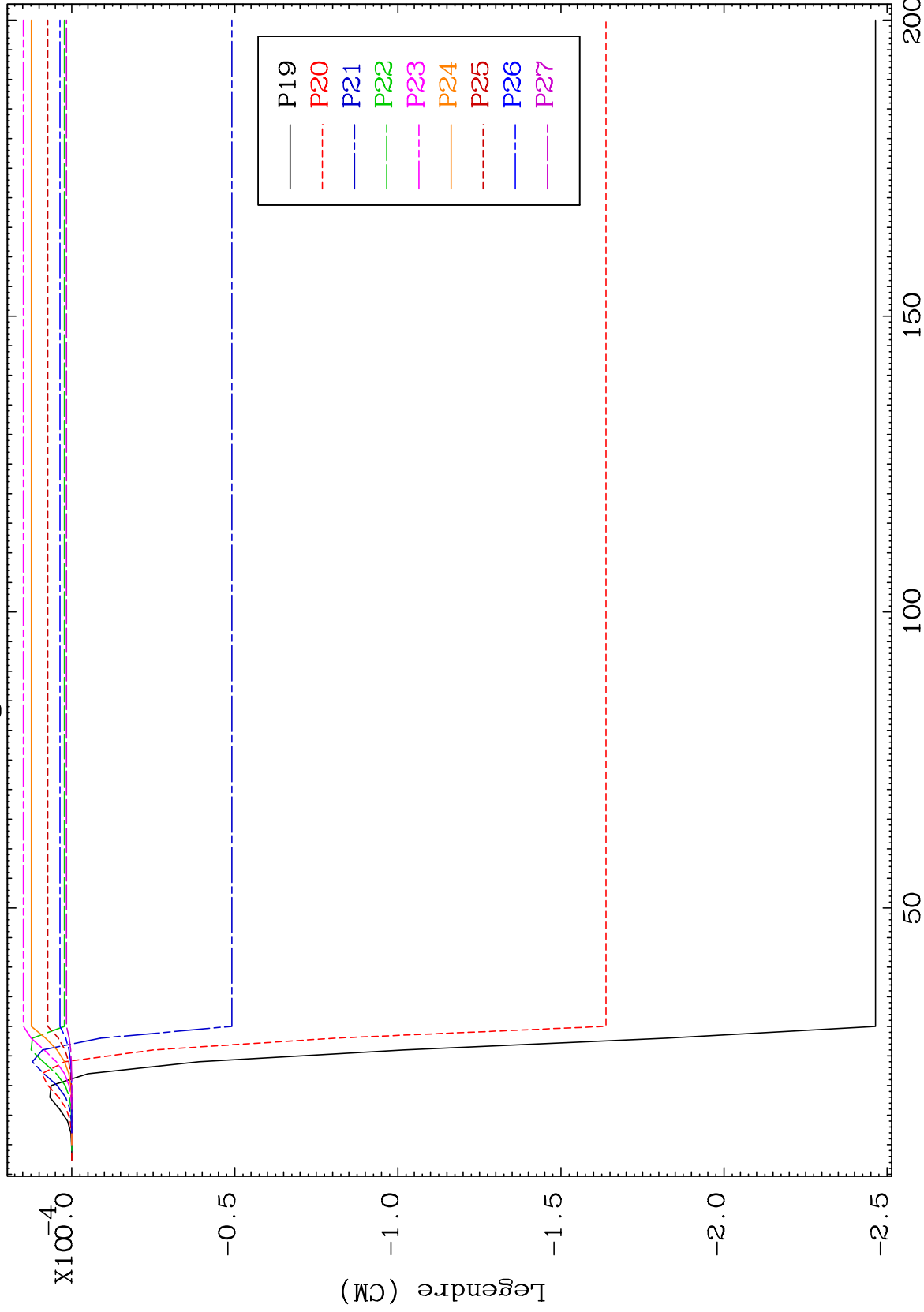


28 54-Xe-141

MAT 5476

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

54-Xe-141



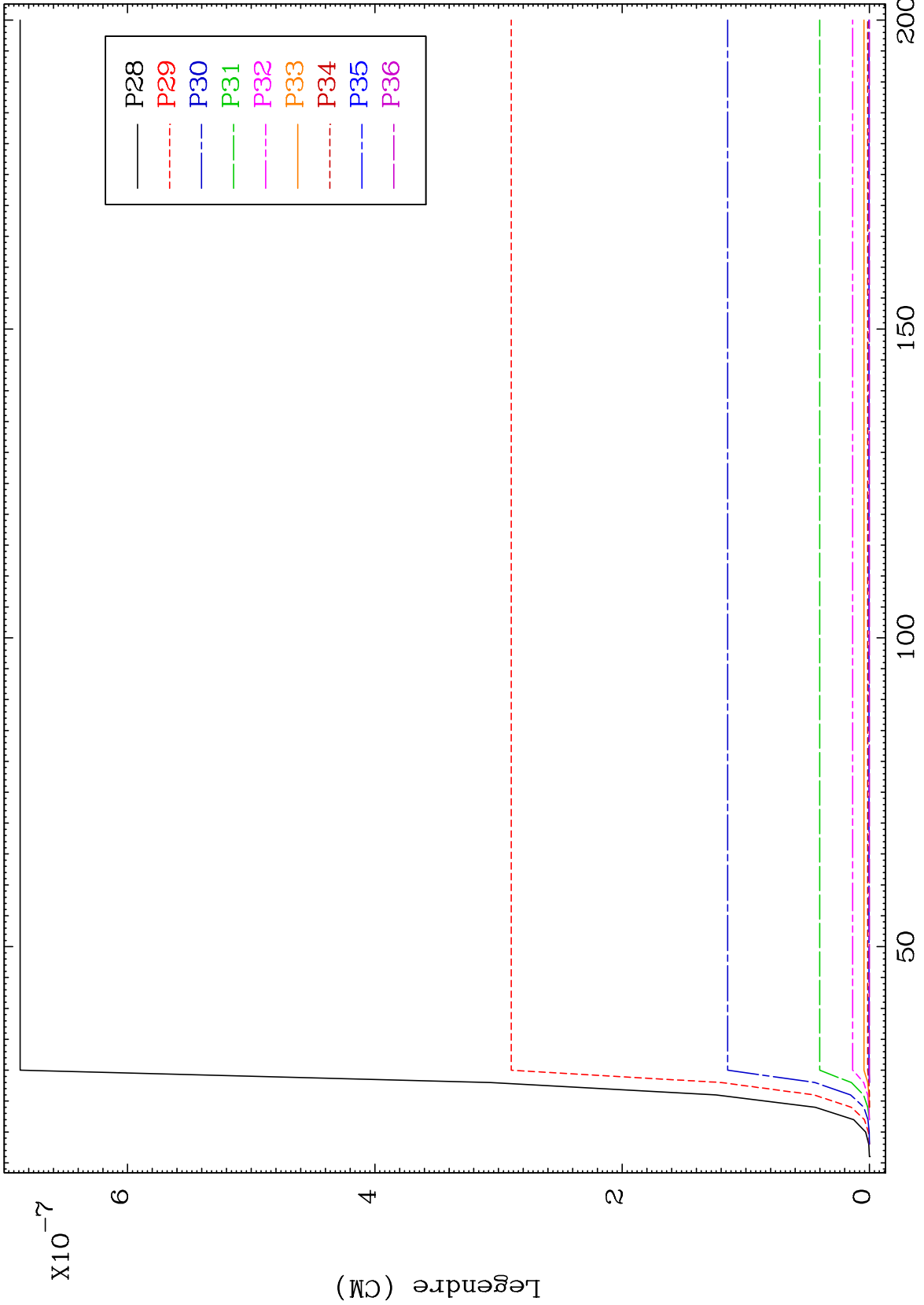
29

54-Xe-141

MAT 5476

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

54-Xe-141



30

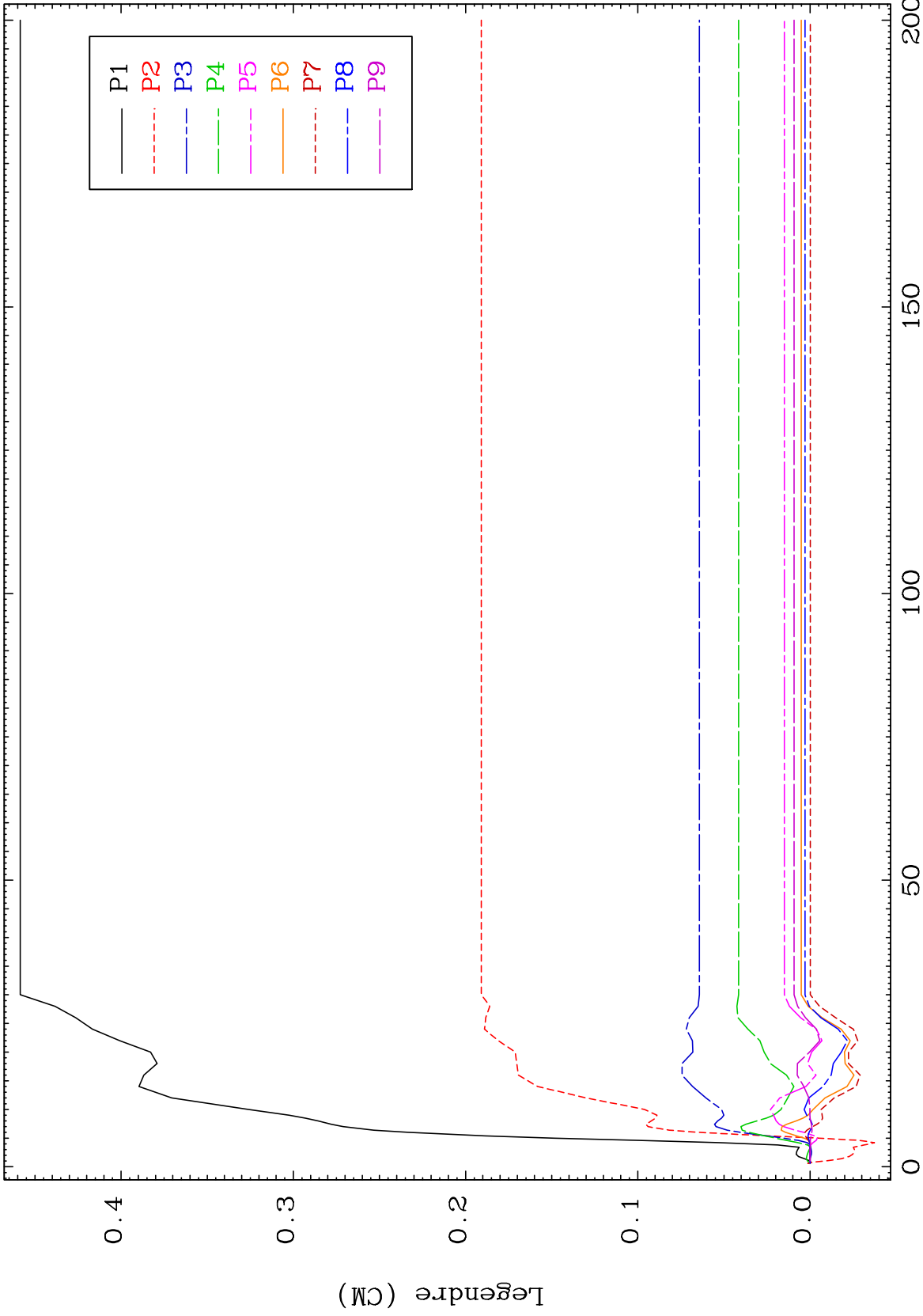
Incident Energy (MeV)

54-Xe-141

MAT 5476

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

54-Xe-141



31

Incident Energy (MeV)

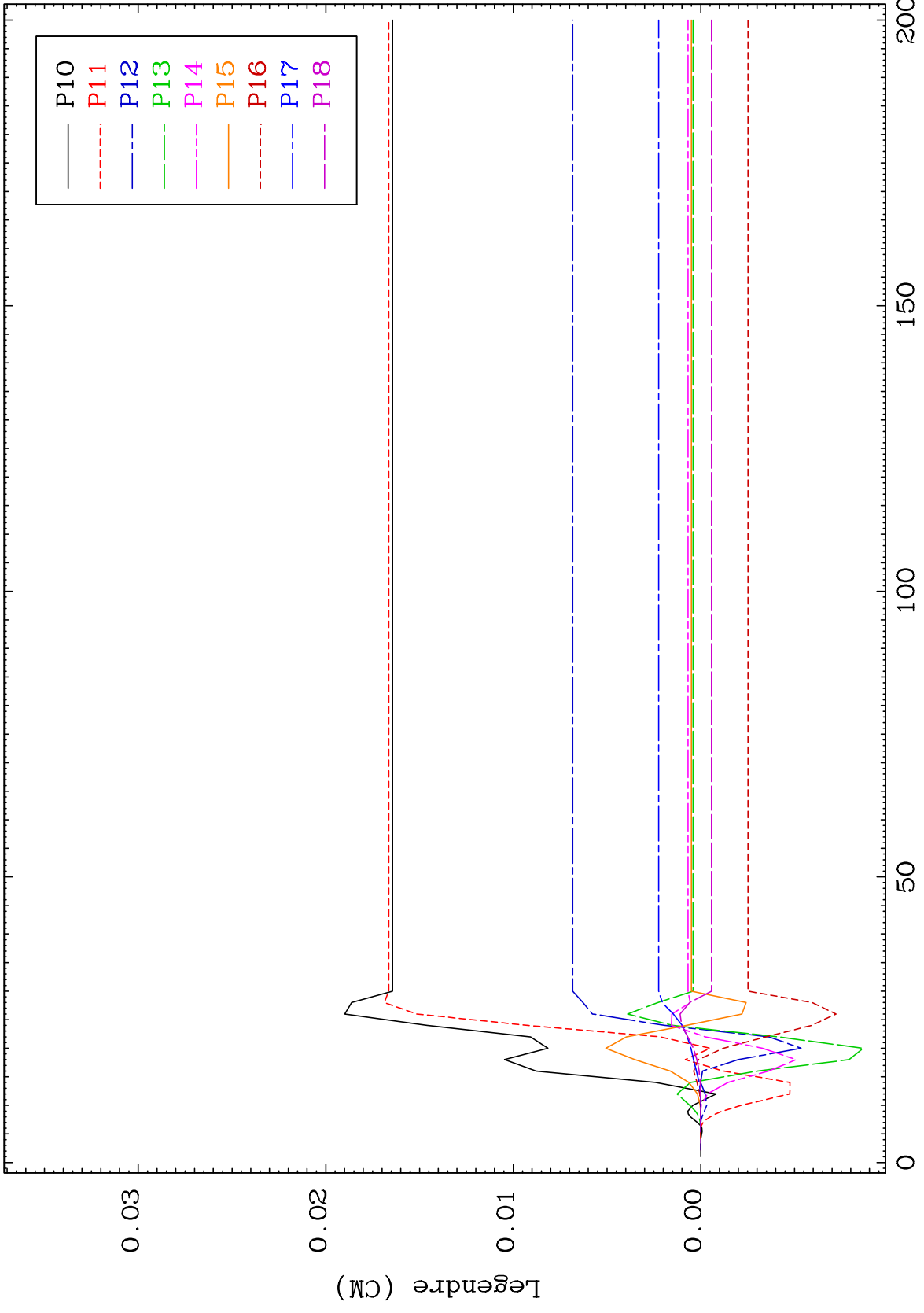
54-Xe-141



MAT 5476

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

54-Xe-141



32

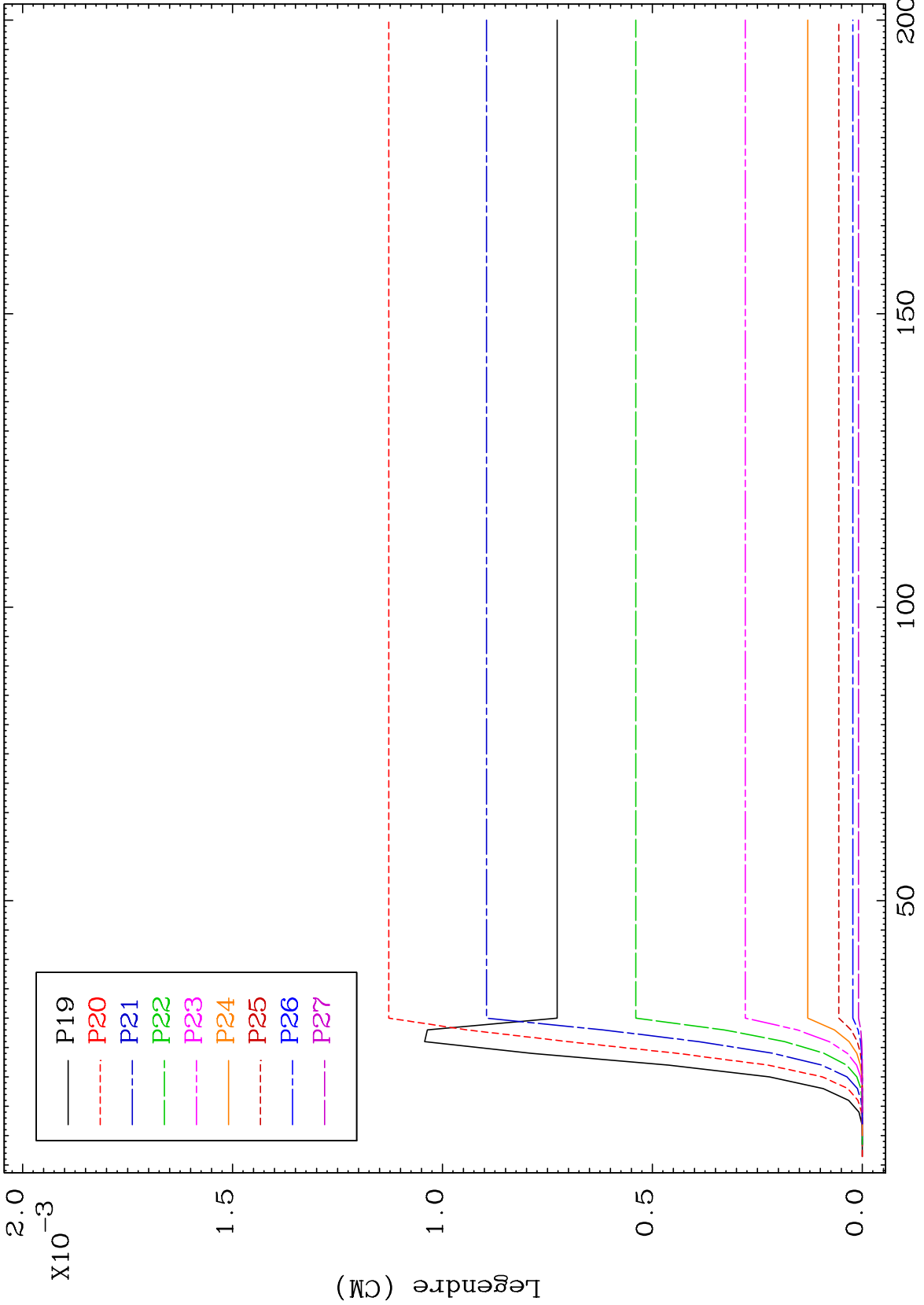
Incident Energy (MeV)

54-Xe-141

MAT 5476

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

54-Xe-141



33

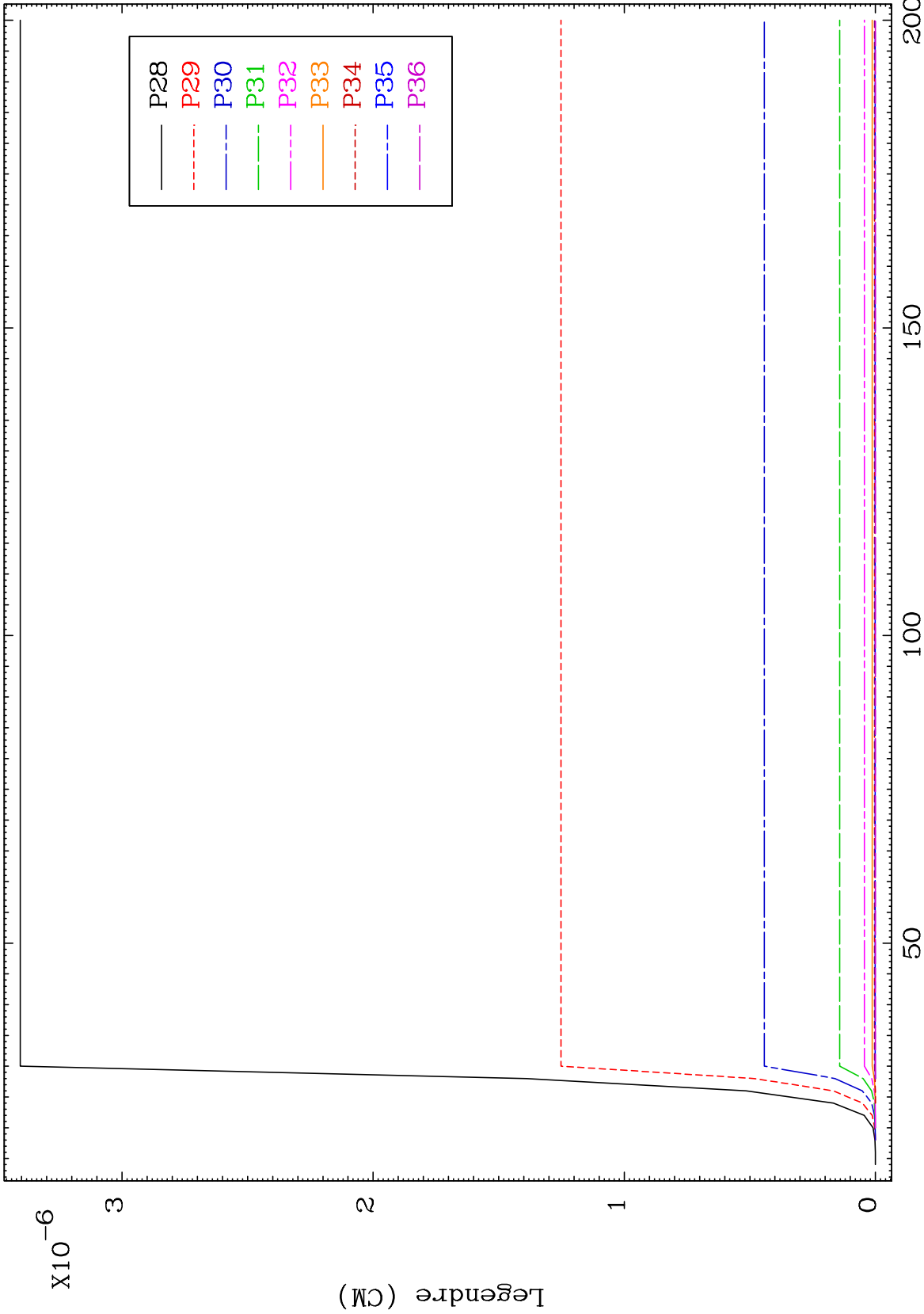
Incident Energy (MeV)

54-Xe-141

MAT 5476

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

54-Xe-141



34

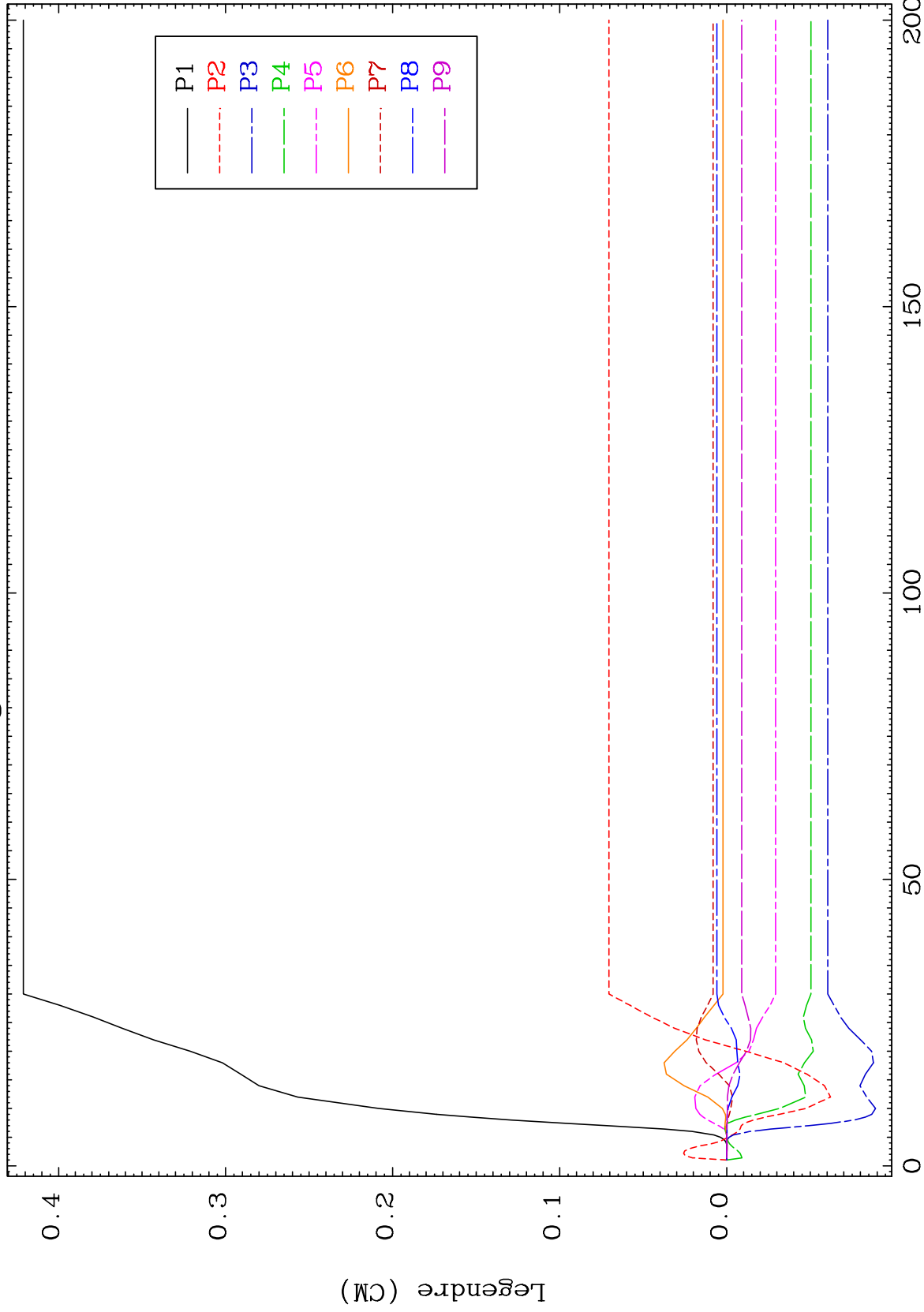
Incident Energy (MeV)

54-Xe-141

MAT 5476

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

54-Xe-141



35

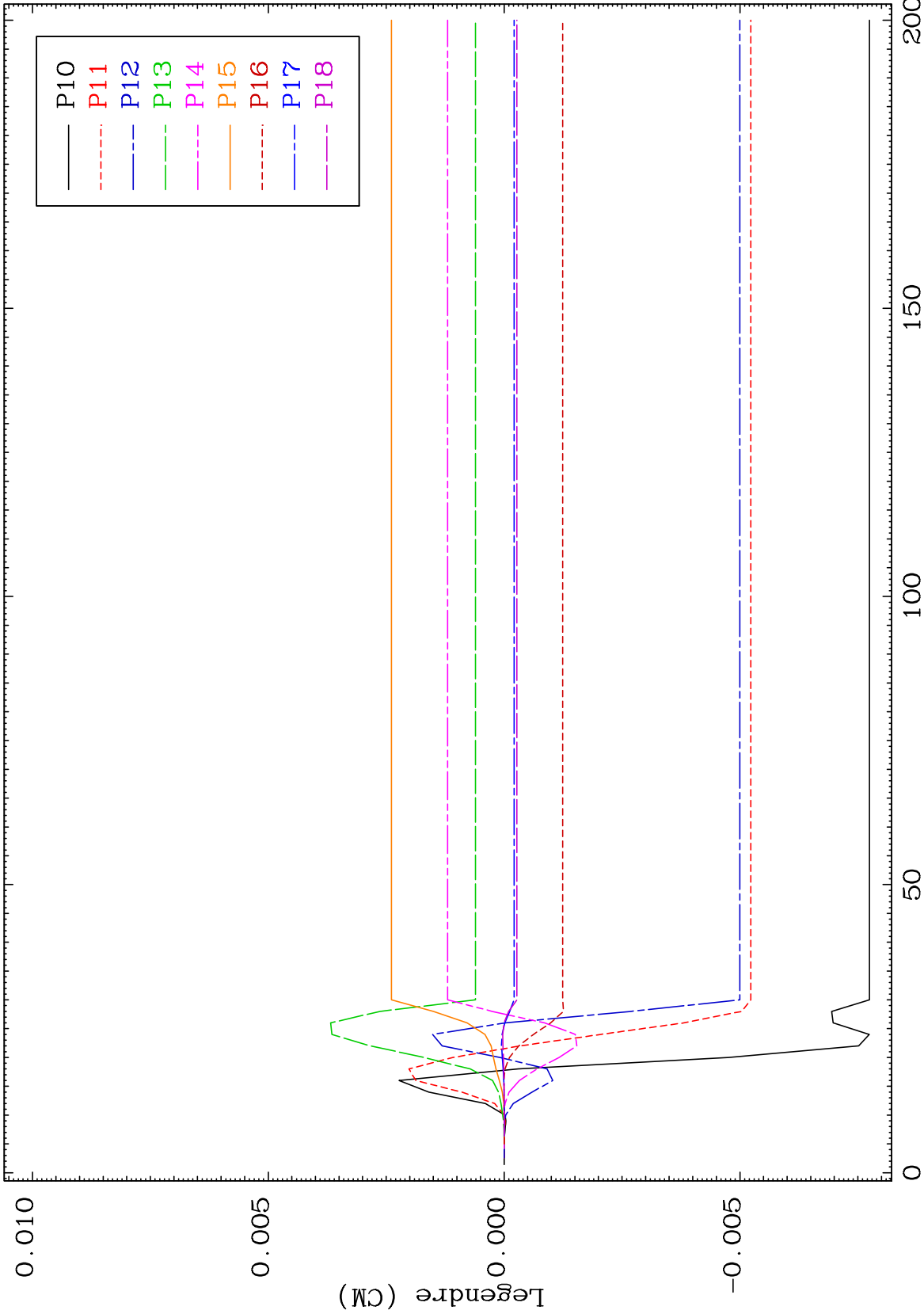
Incident Energy (MeV)

54-Xe-141

MAT 5476

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

54-Xe-141



36

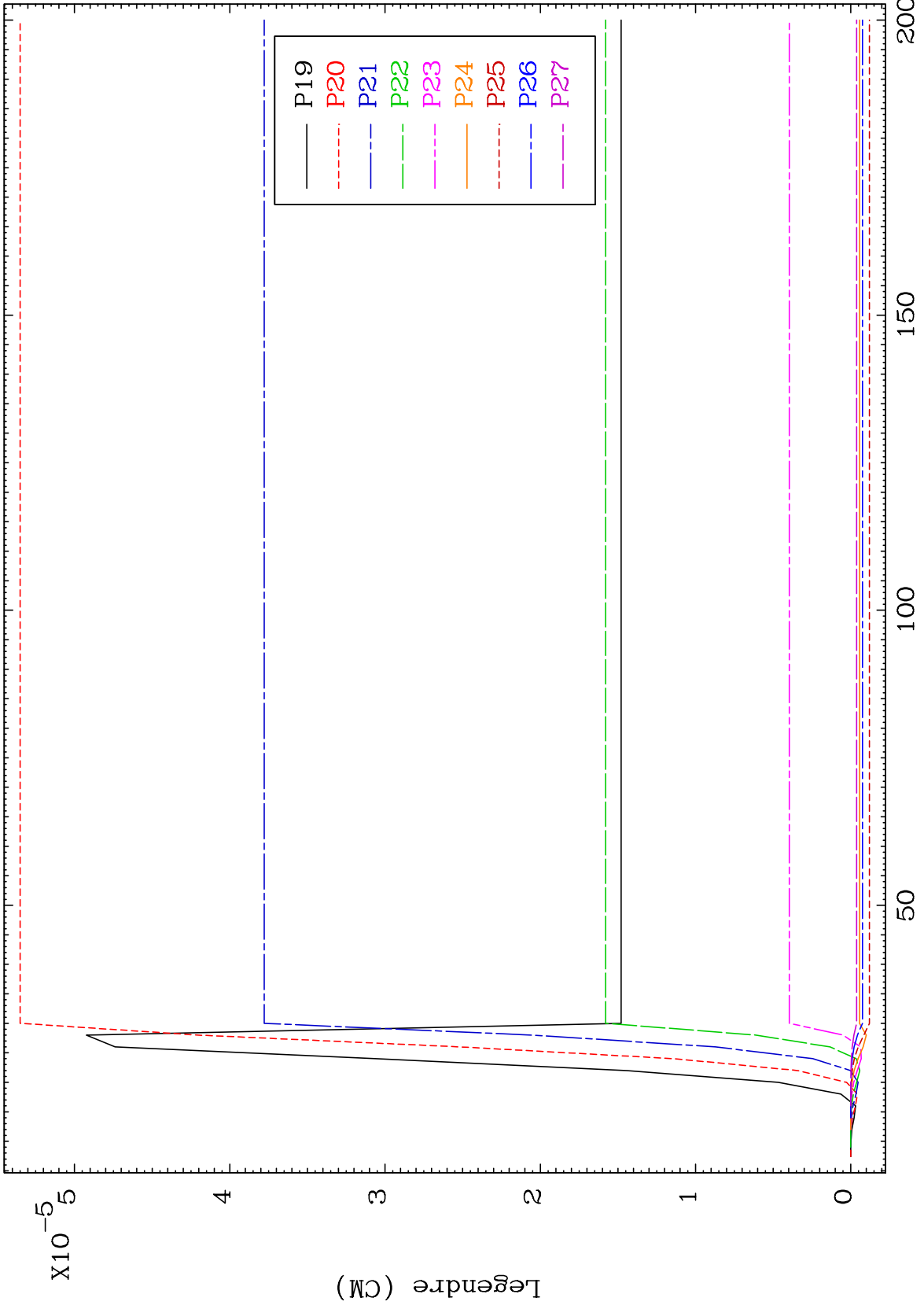
Incident Energy (MeV)

54-Xe-141

MAT 5476

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

54-Xe-141

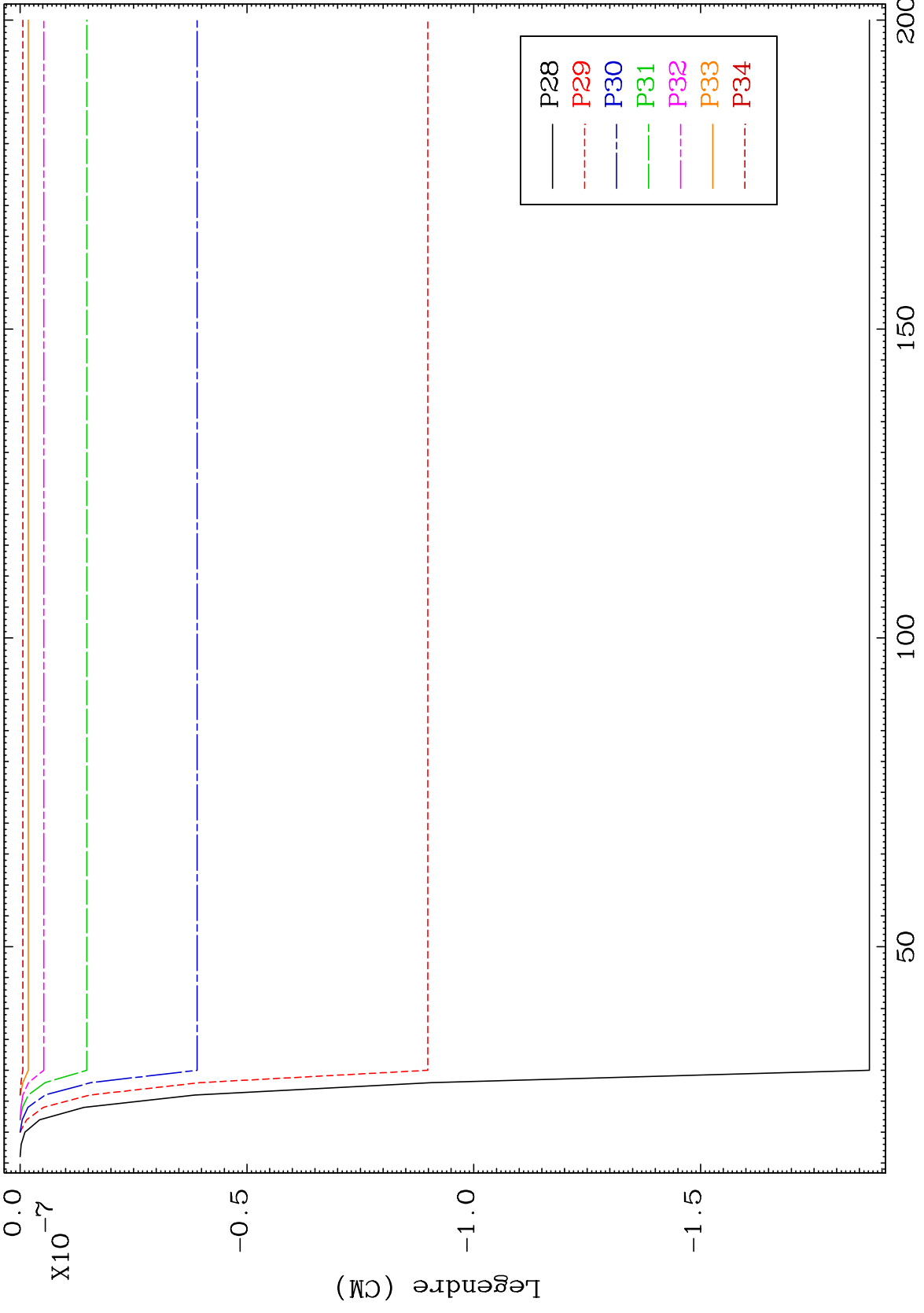


37

Incident Energy (MeV)

54-Xe-141

MAT 5476 MT= 55 (n,n') Level Legendre Coefficients 54-Xe-141

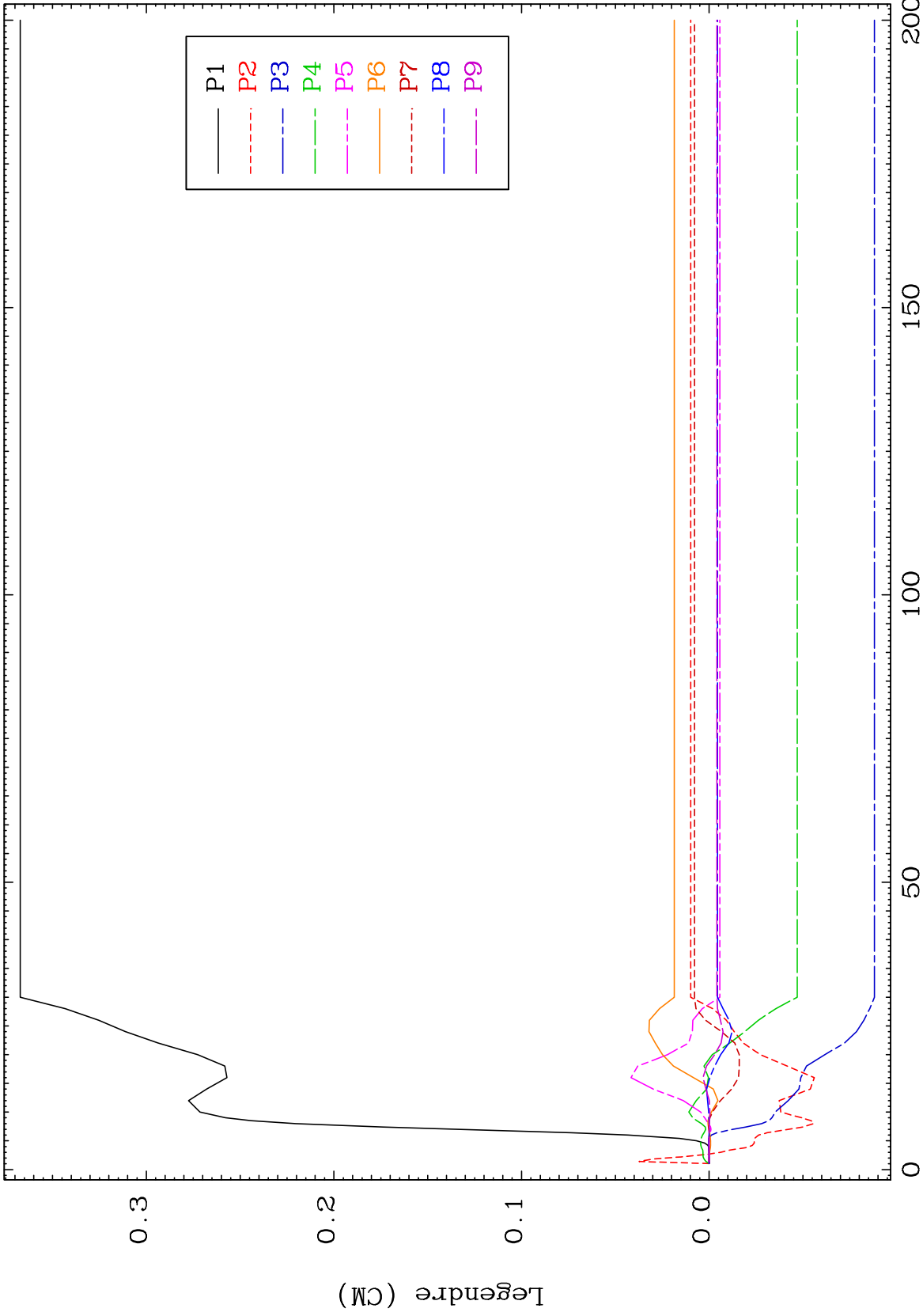


38 Incident Energy (MeV) 54-Xe-141

MAT 5476

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

54-Xe-141



39

Incident Energy (MeV)

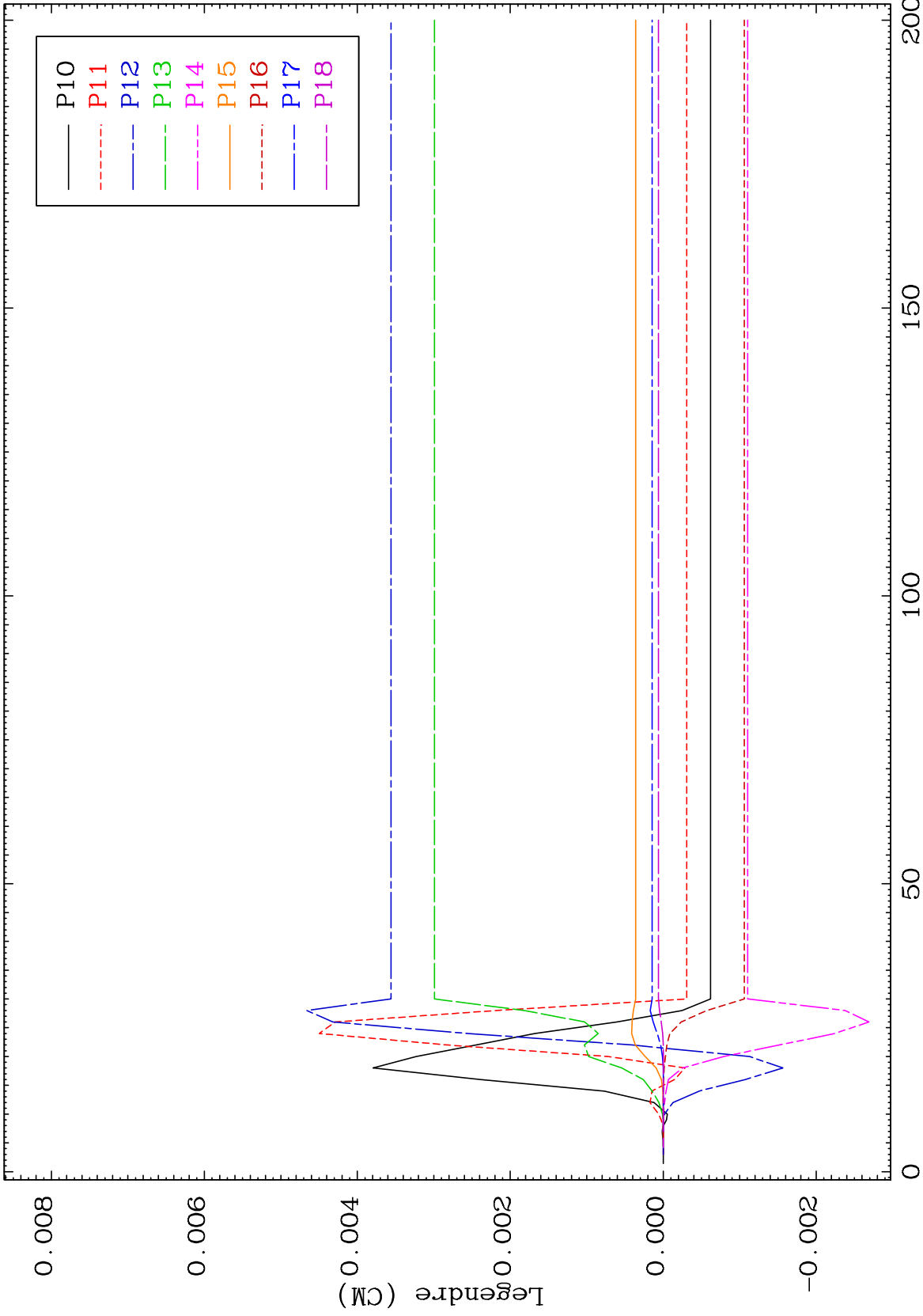
54-Xe-141



MAT 5476

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

54-Xe-141



40

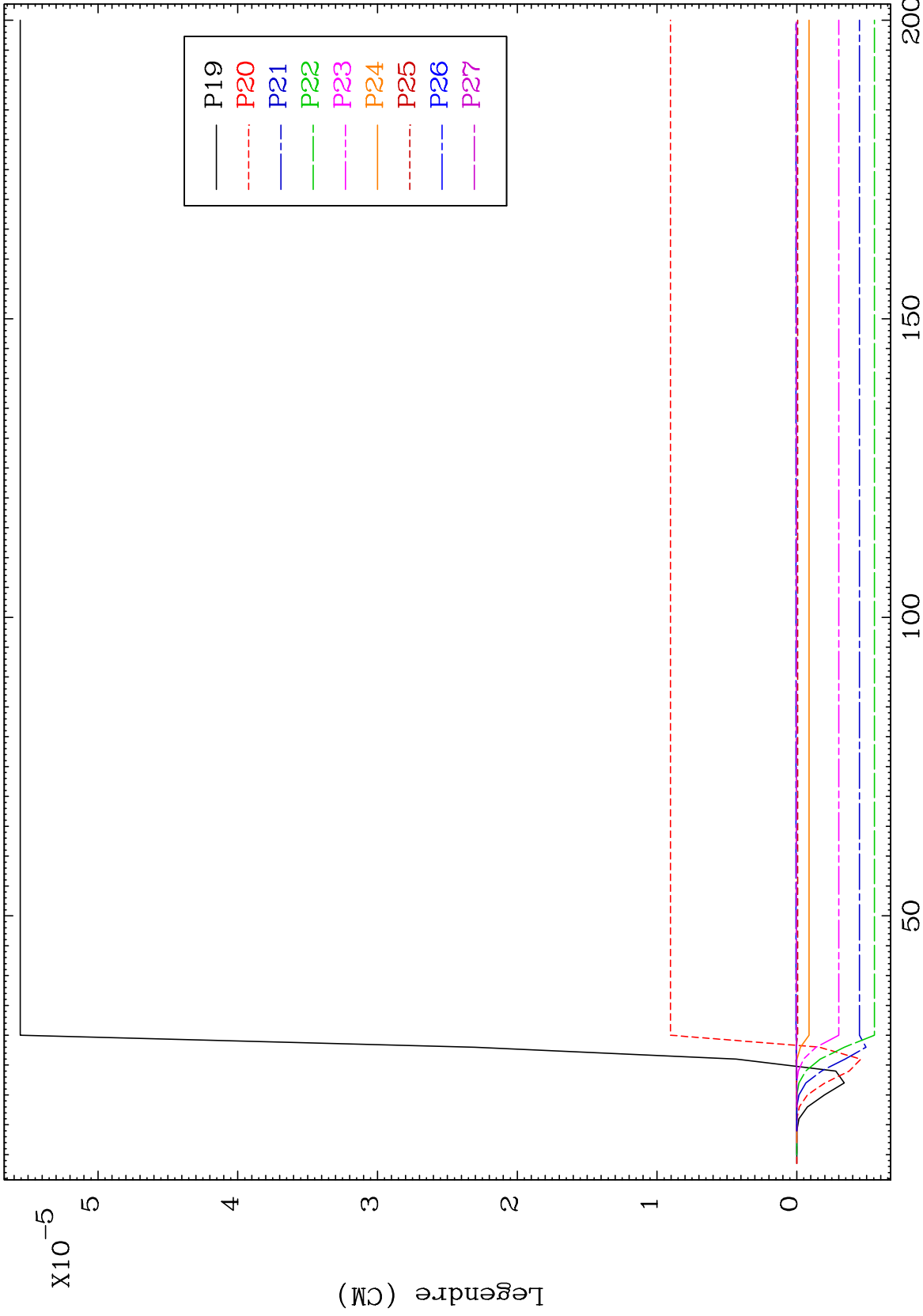
Incident Energy (MeV)

54-Xe-141

MAT 5476

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

54-Xe-141



41

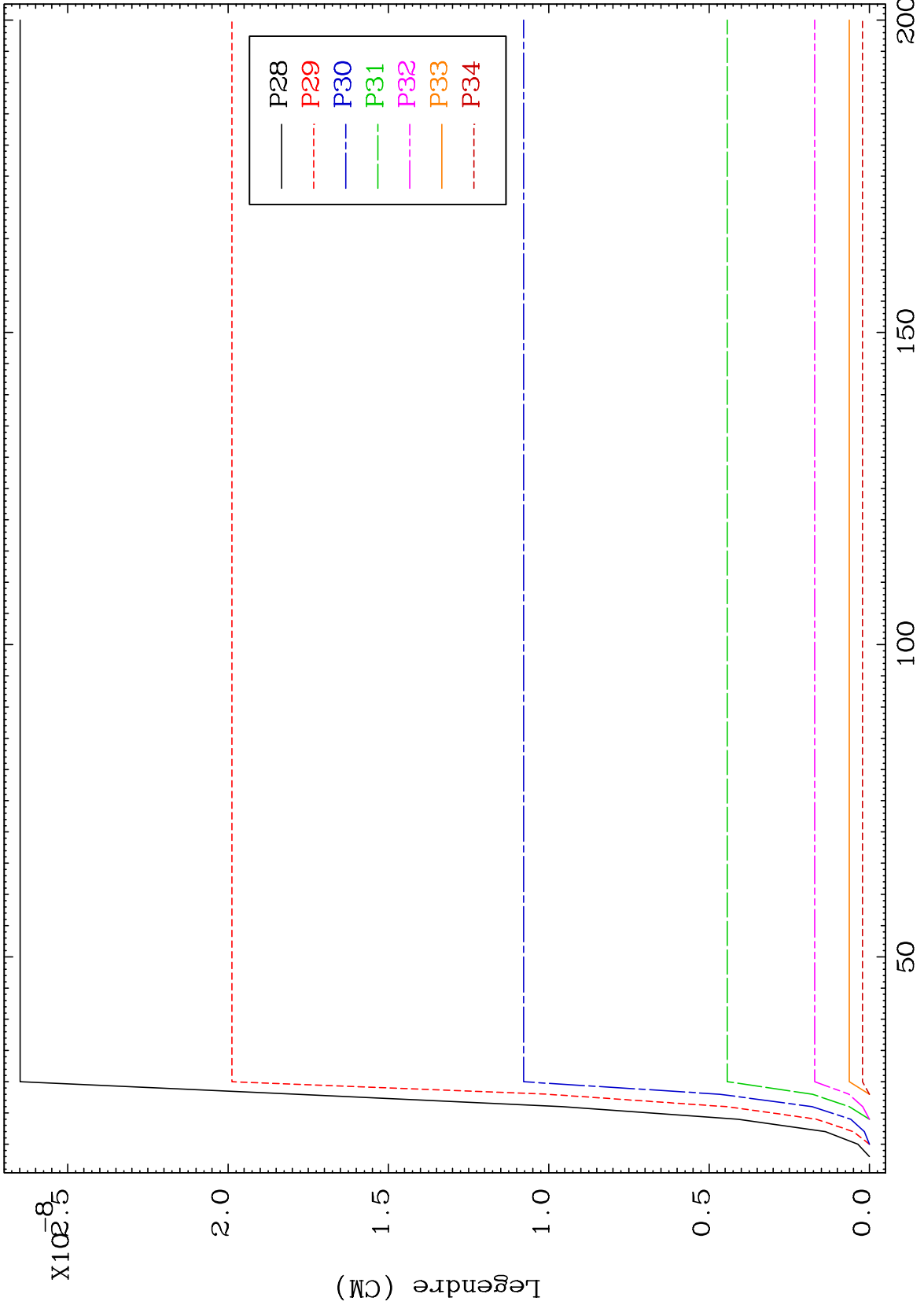
Incident Energy (MeV)

54-Xe-141

MAT 5476

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

54-Xe-141



42

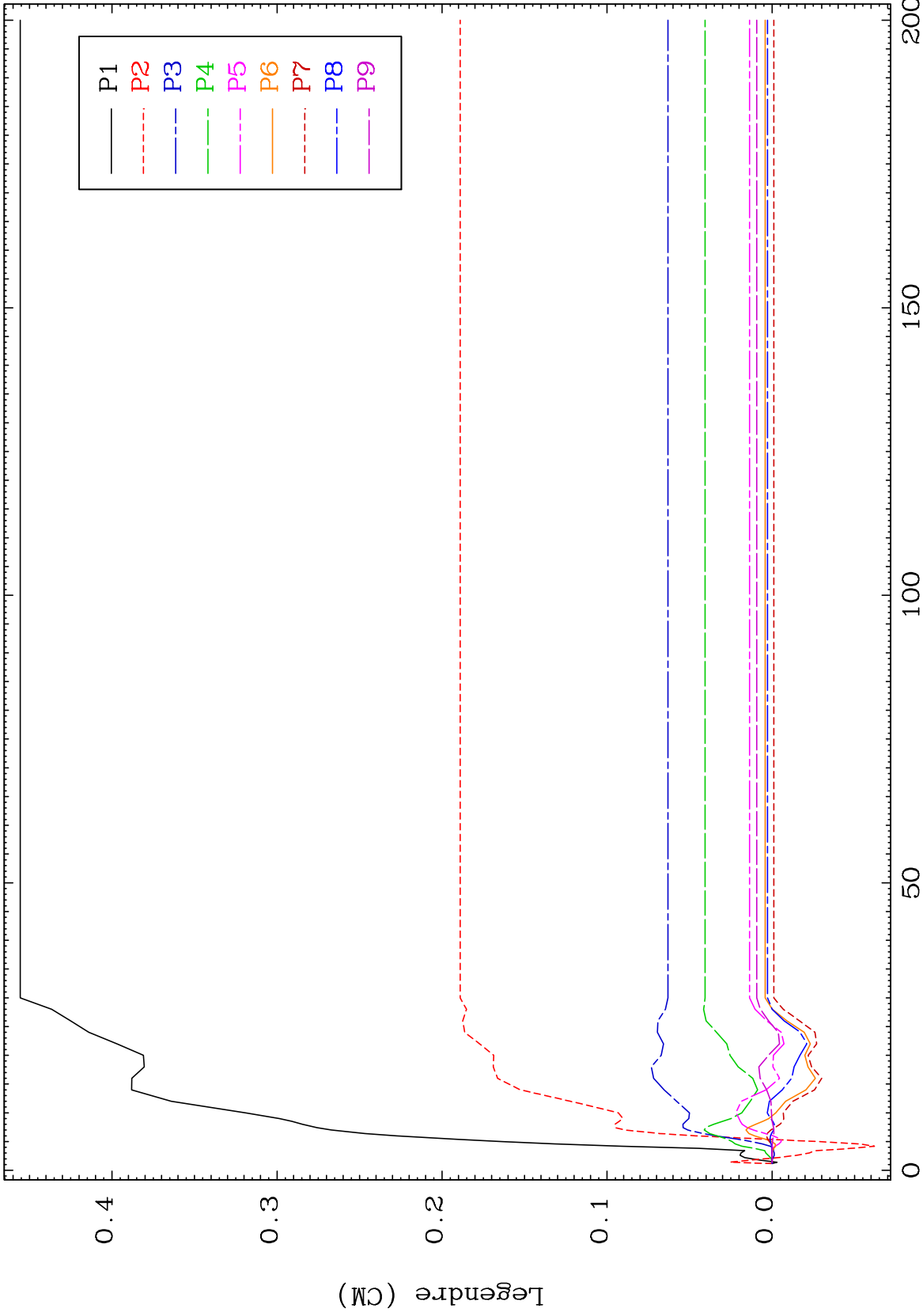
Incident Energy (MeV)

54-Xe-141

MAT 5476

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

54-Xe-141



43

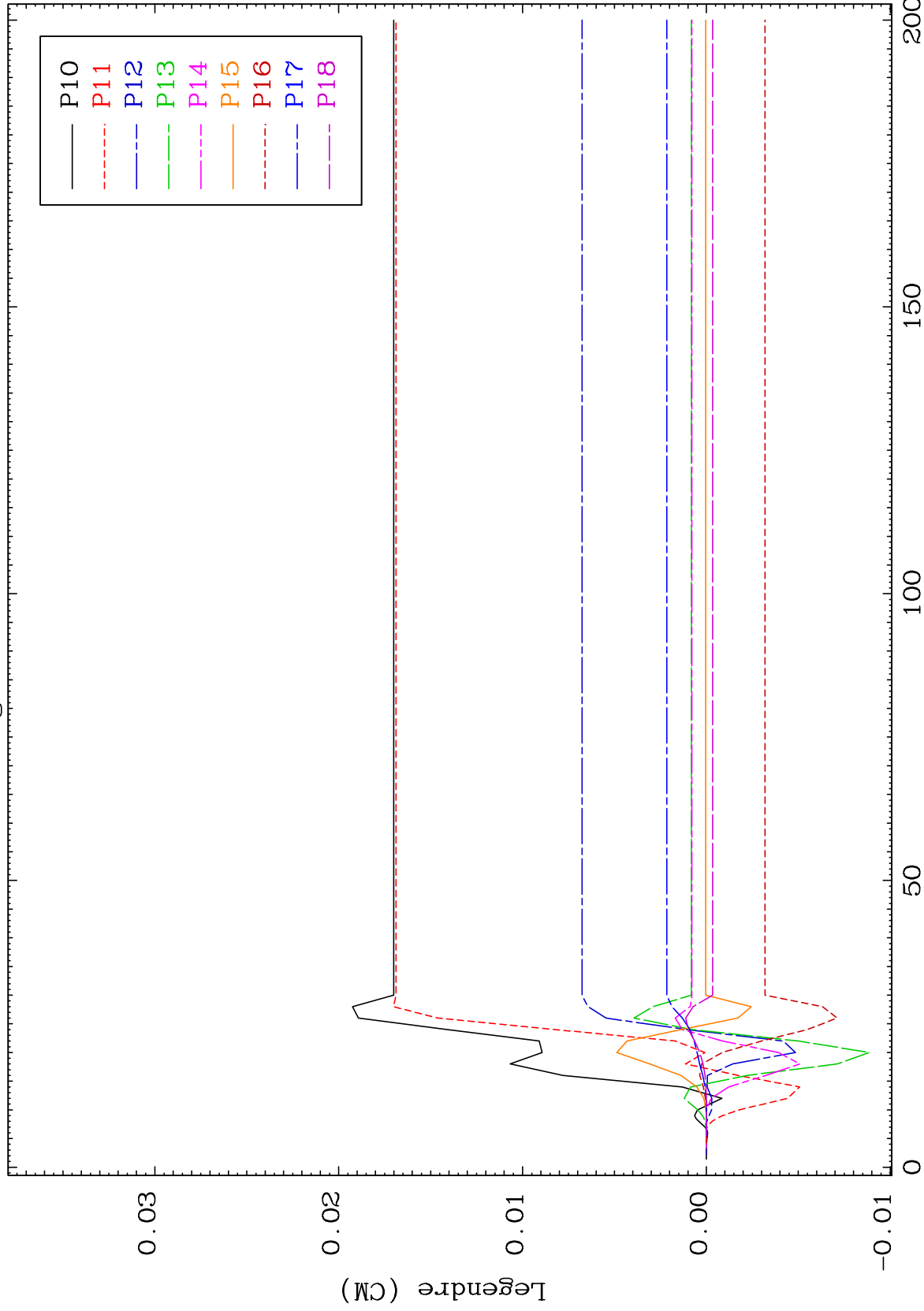
Incident Energy (MeV)

54-Xe-141

MAT 5476

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

54-Xe-141



44

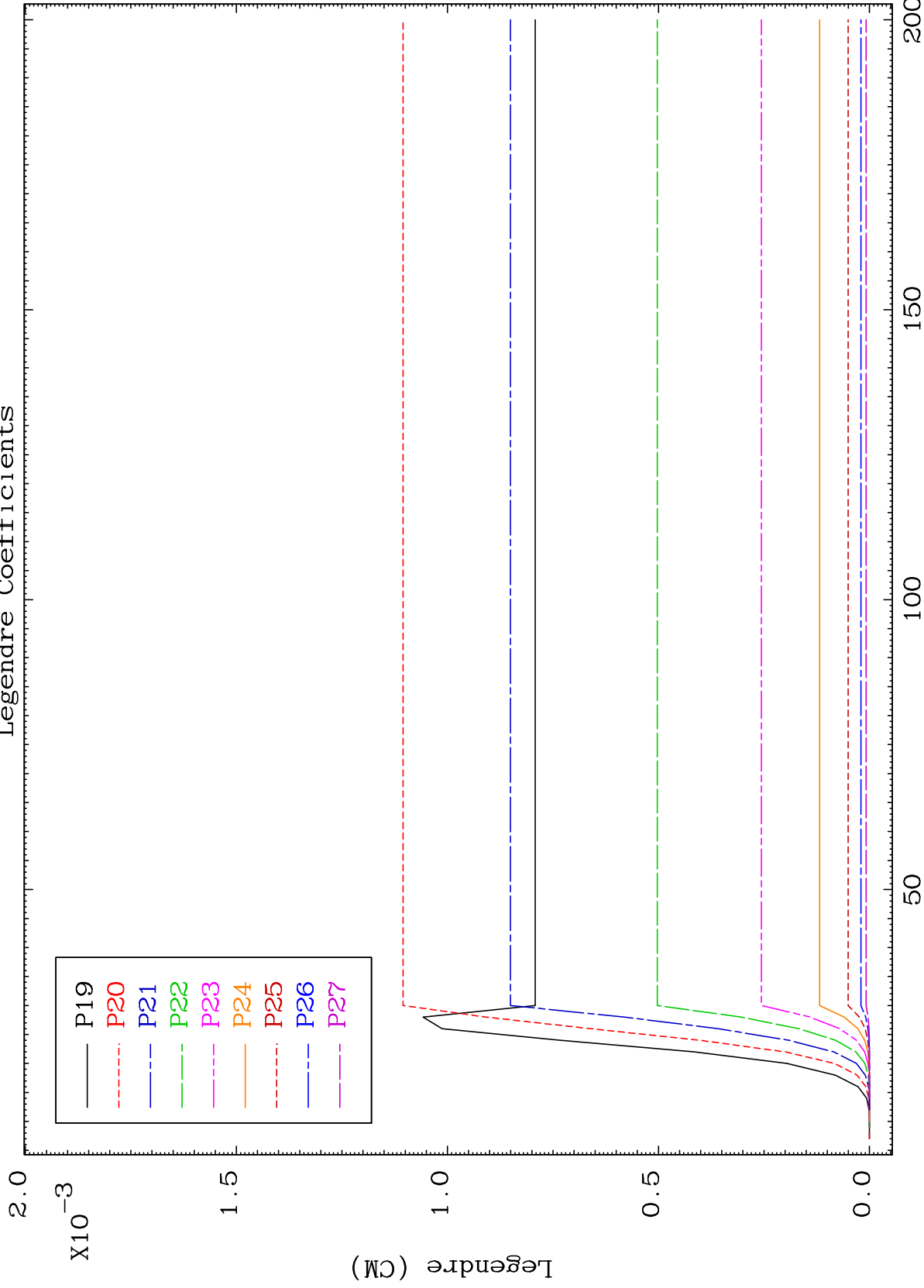
Incident Energy (MeV)

54-Xe-141

MAT 5476

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

54-Xe-141



54-Xe-141

Incident Energy (MeV)

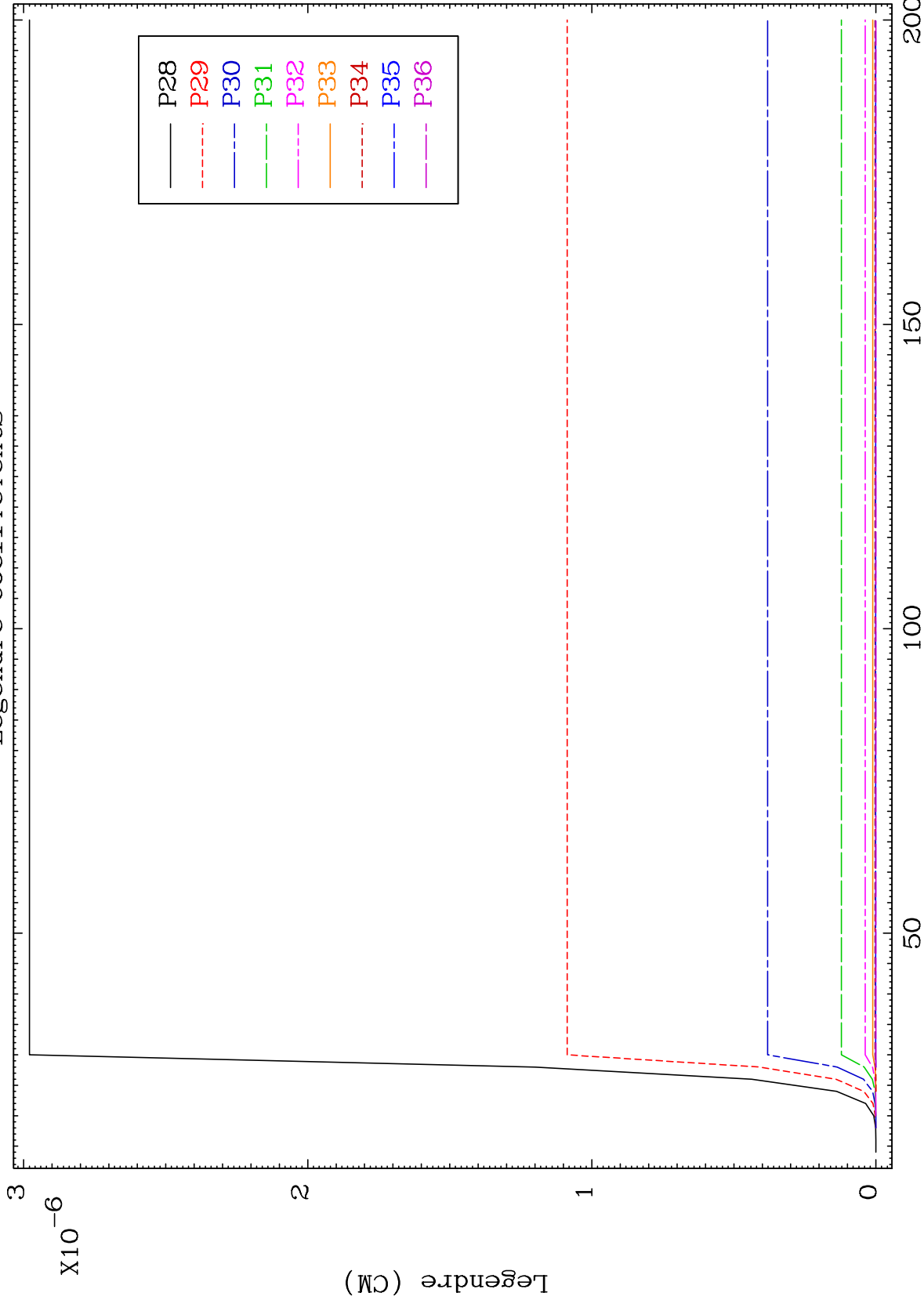
Legendre (CM)

$\times 10^{-3}$

MAT 5476

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

54-Xe-141



46

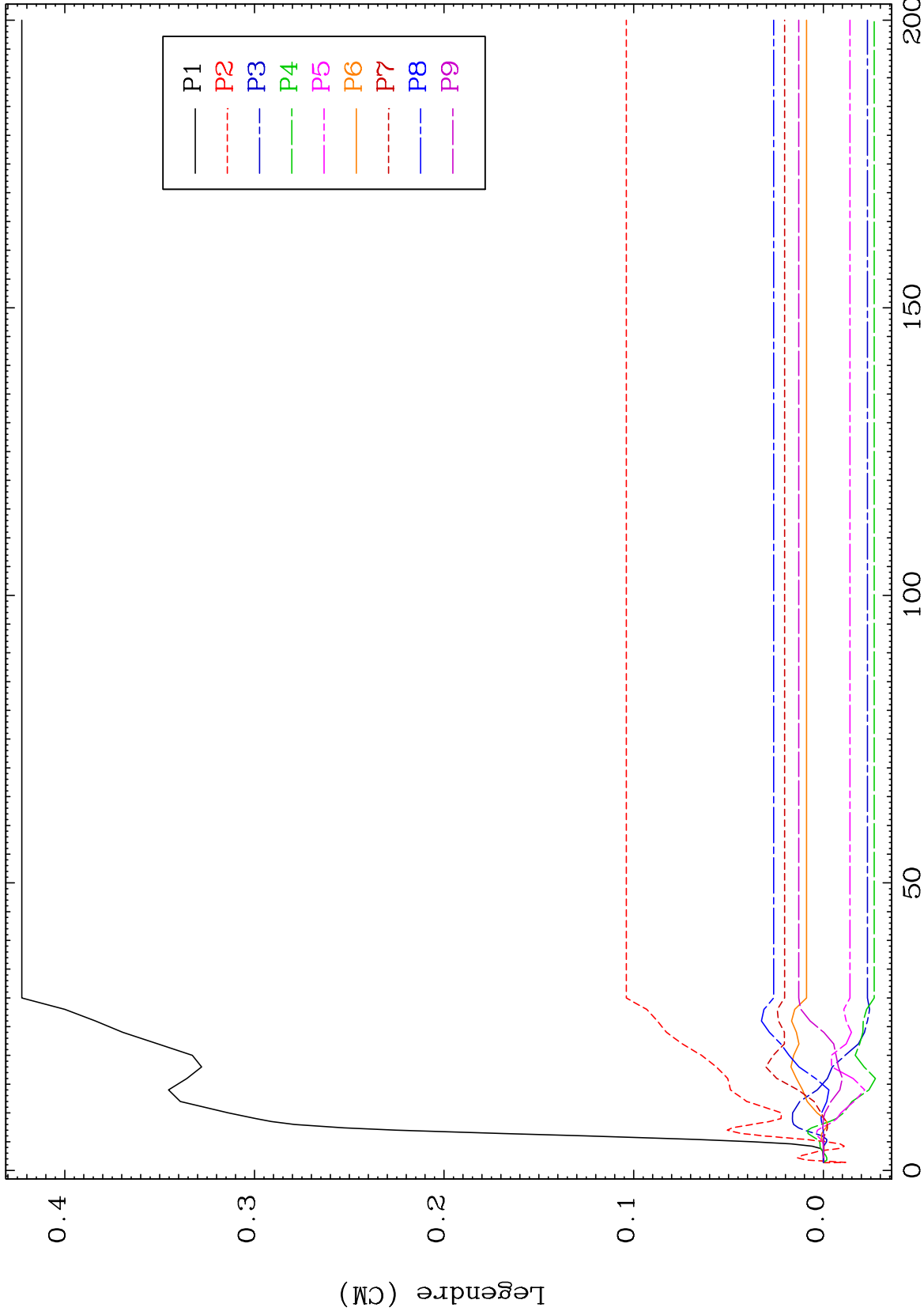
Incident Energy (MeV)

54-Xe-141

MAT 5476

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

54-Xe-141



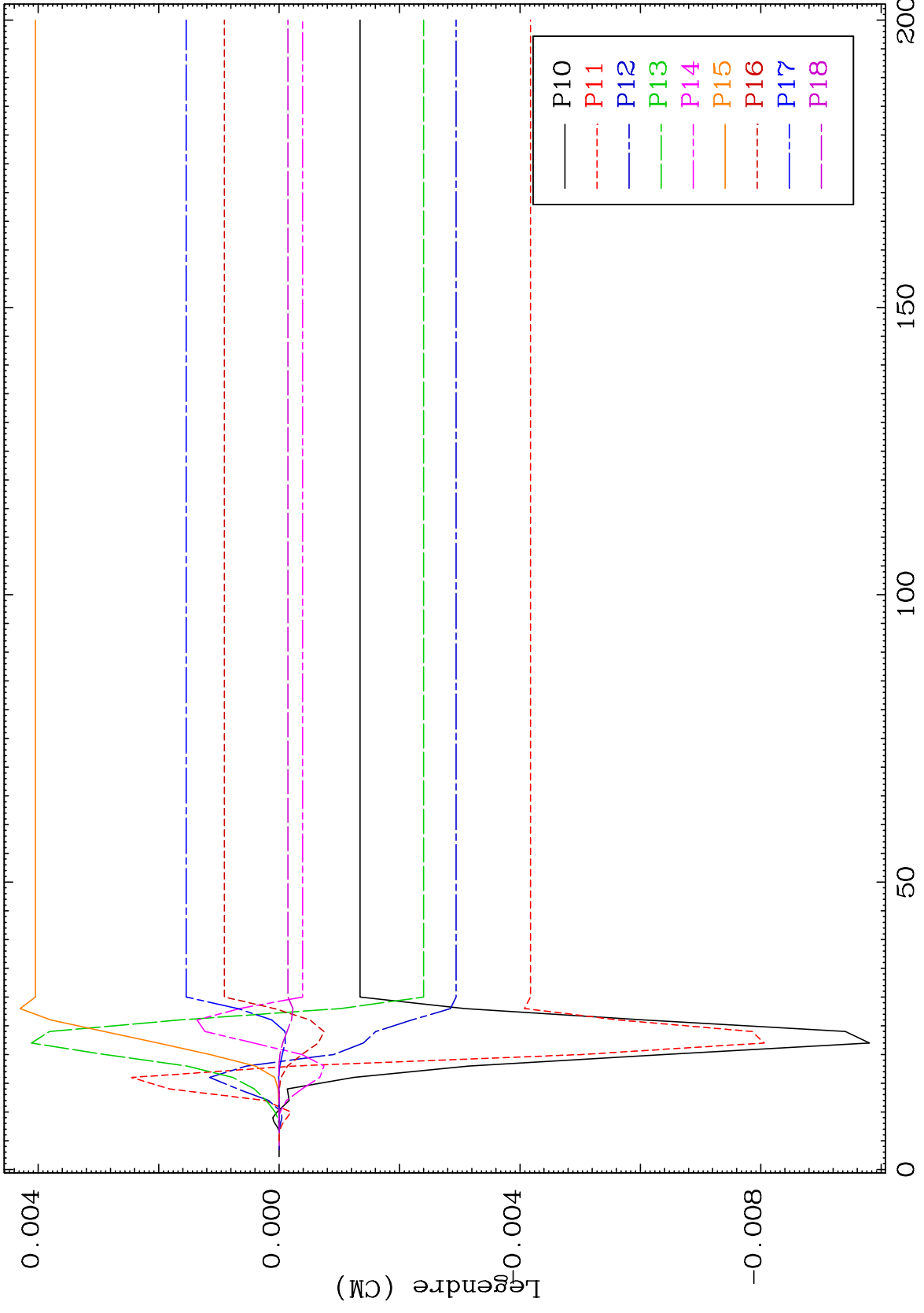
47

Incident Energy (MeV)

54-Xe-141

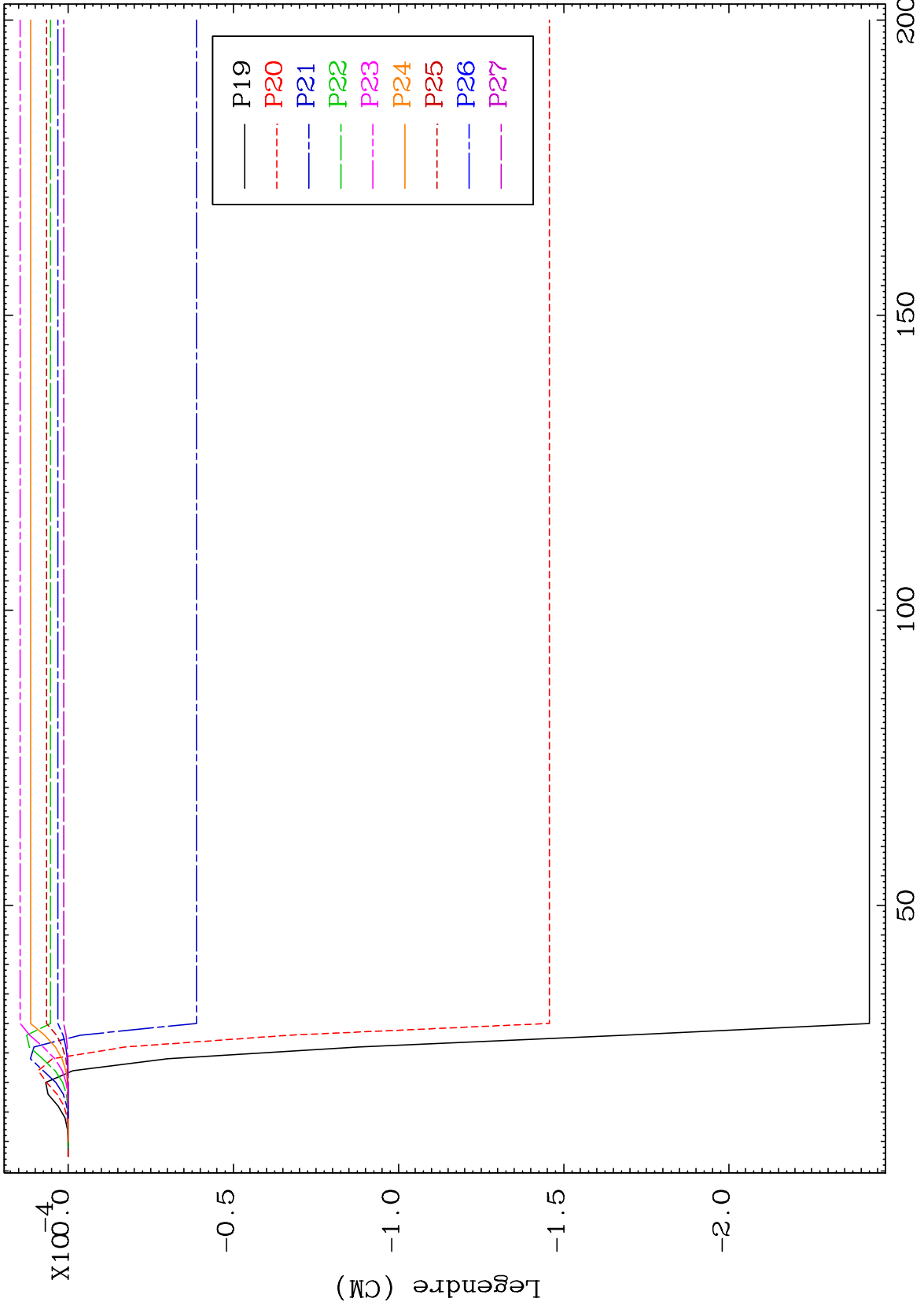


MAT 5476 MT= 58 (n,n') Level Legendre Coefficients 54-Xe-141



48 54-Xe-141

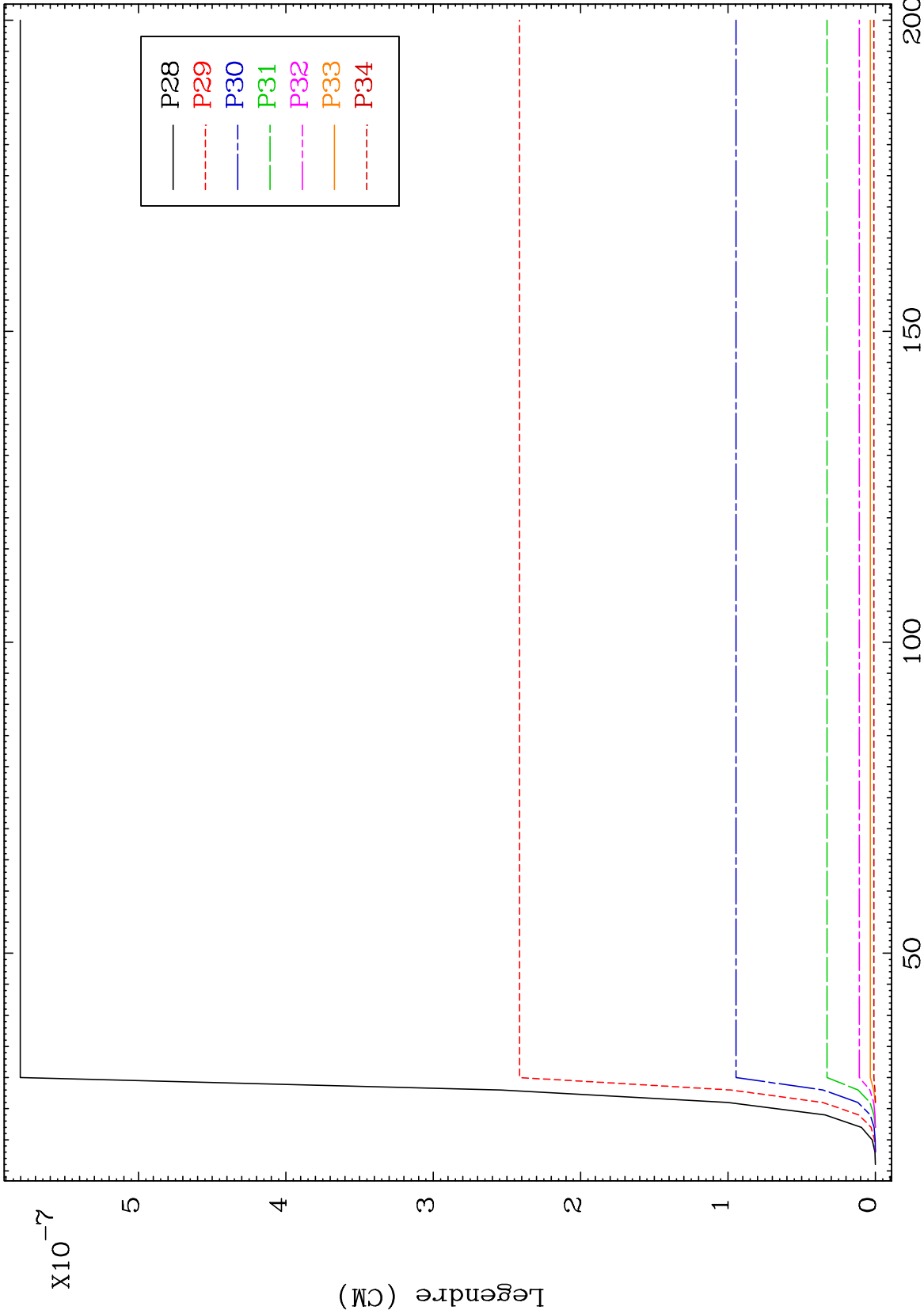
MAT 5476 MT= 58 (n,n') Level Legendre Coefficients 54-Xe-141



MAT 5476

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

54-Xe-141



50

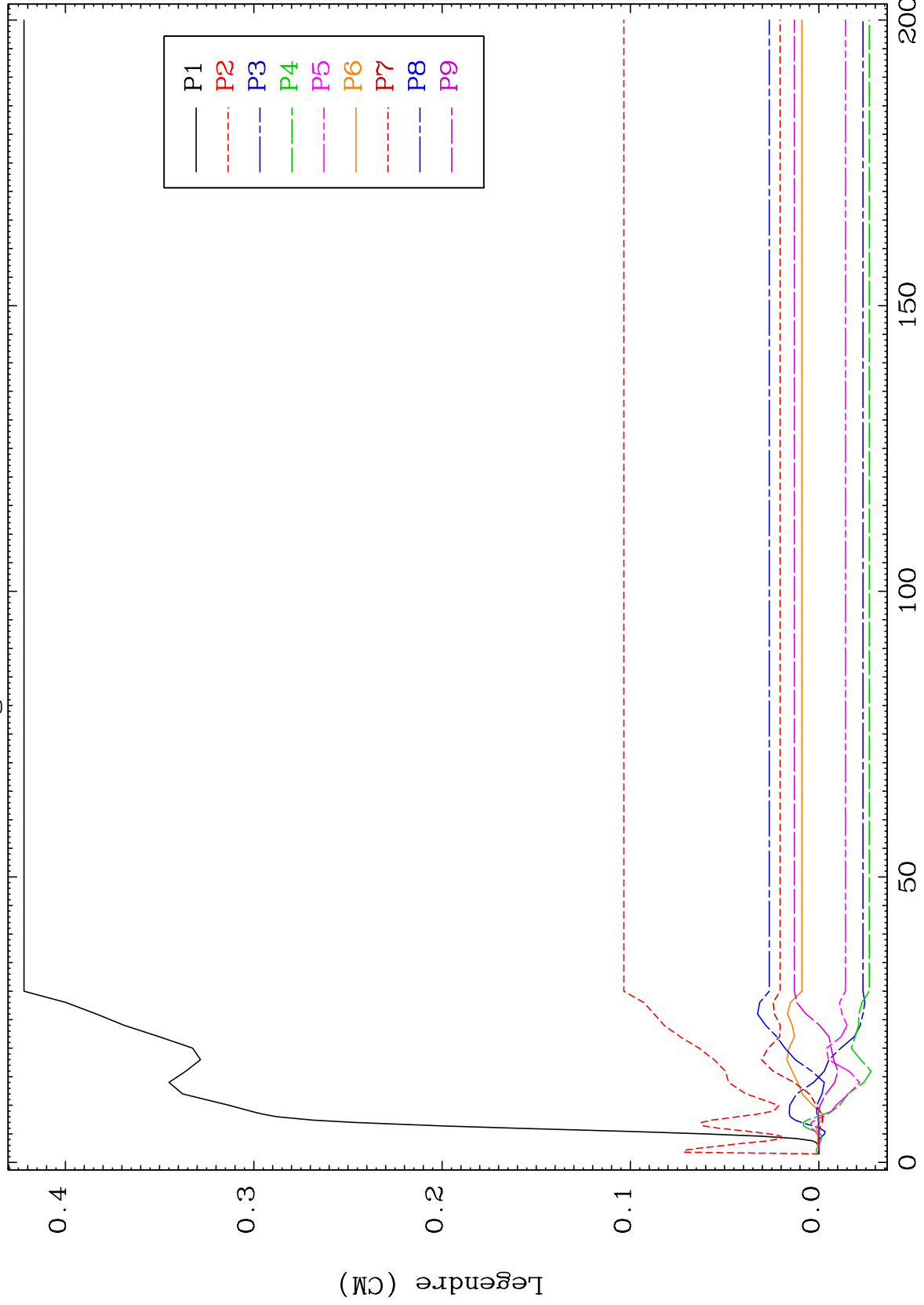
Incident Energy (MeV)

54-Xe-141

MAT 5476

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

54-Xe-141

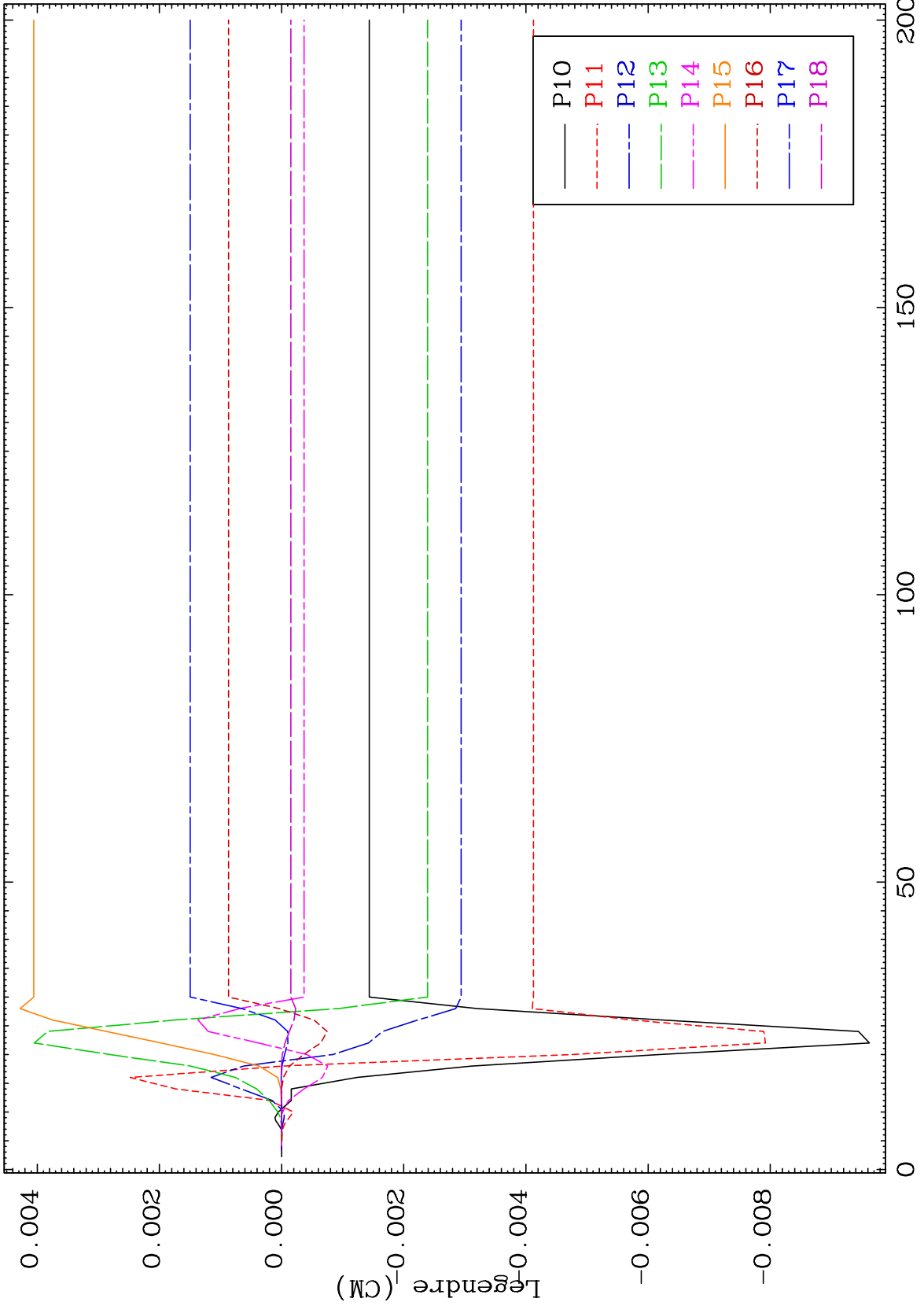


51

Incident Energy (MeV)

54-Xe-141

MAT 5476 MT= 59 (n,n') Level Legendre Coefficients 54-Xe-141

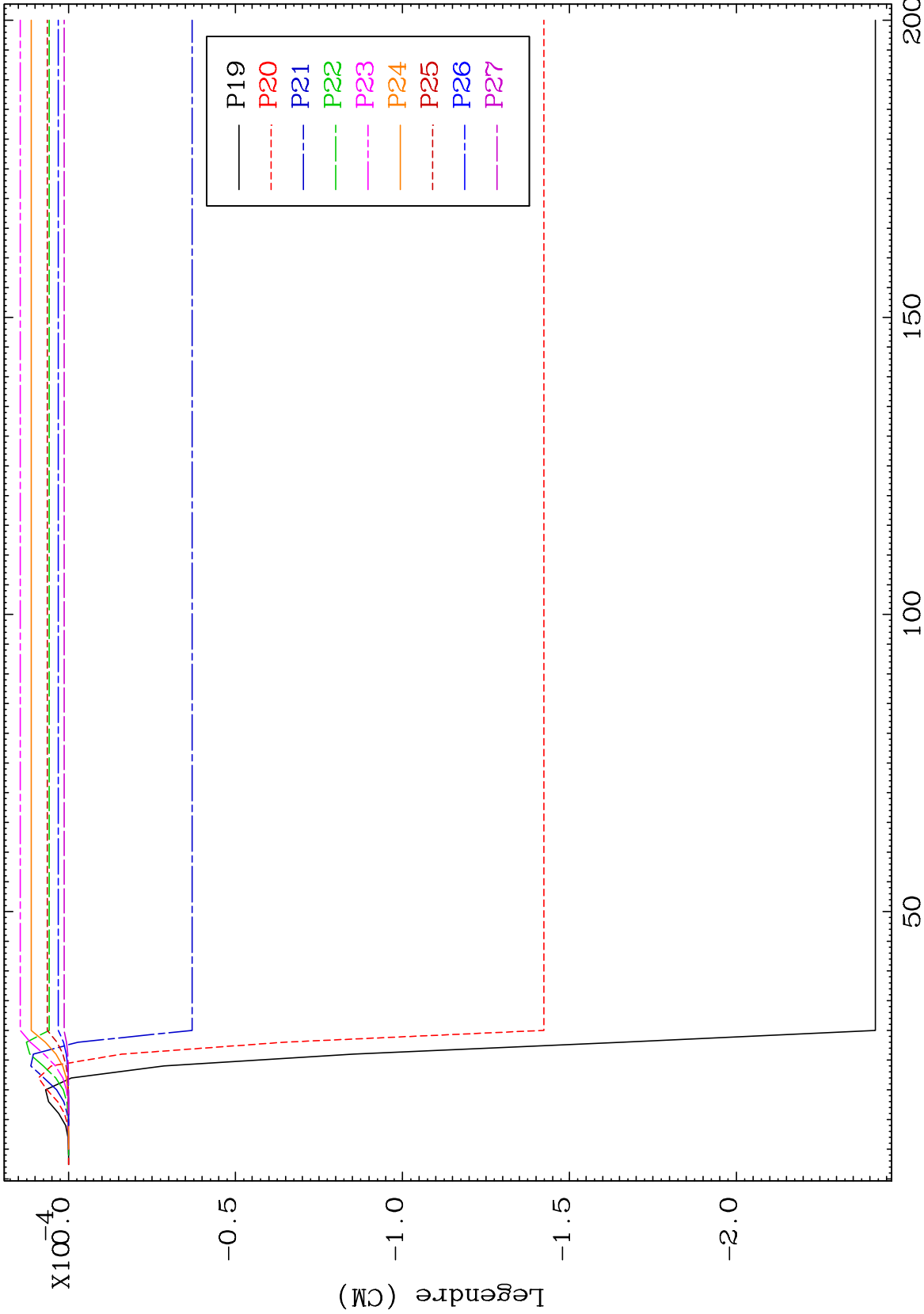


52 54-Xe-141

MAT 5476

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

54-Xe-141



53

Incident Energy (MeV)

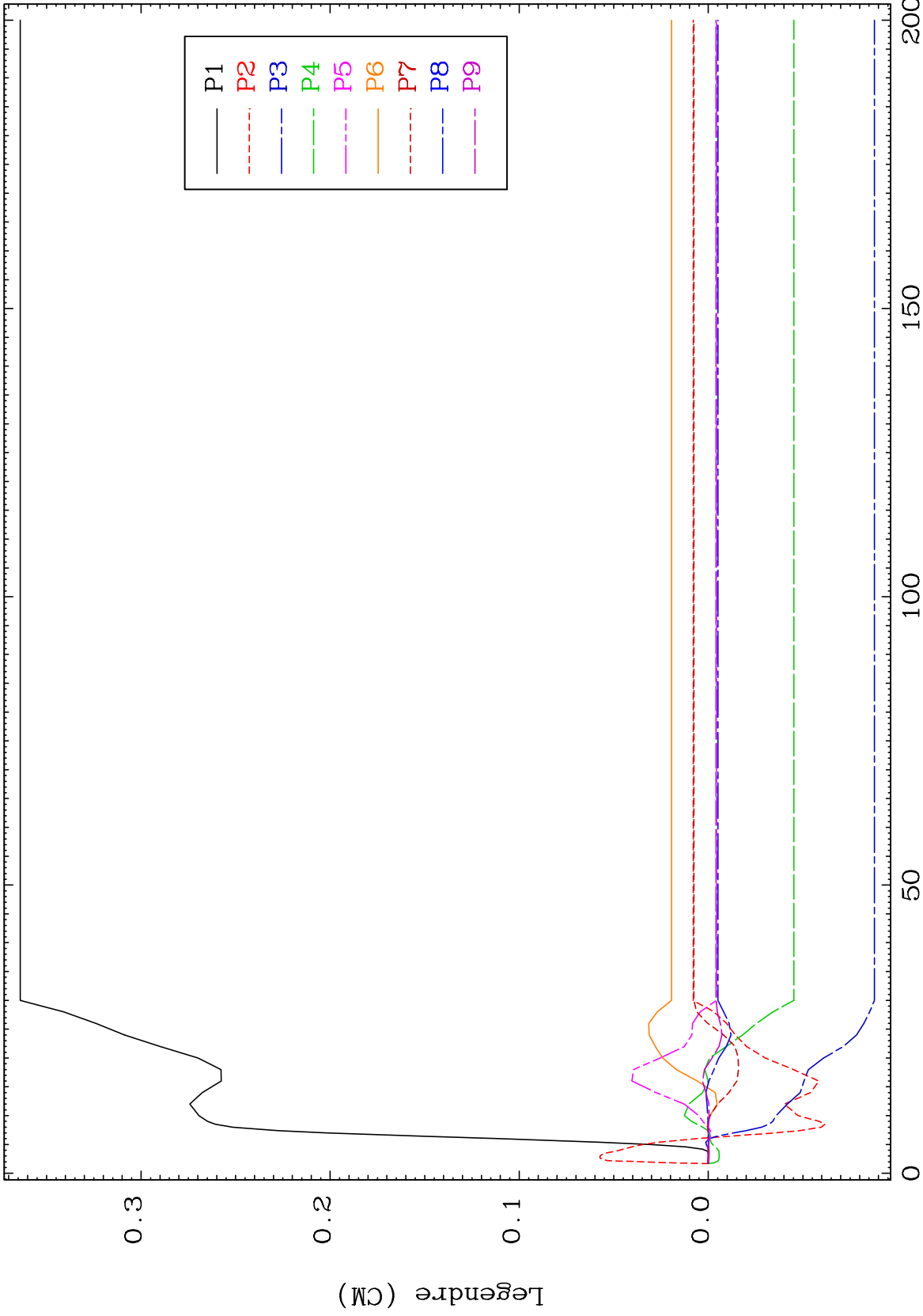
54-Xe-141



MAT 5476

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

54-Xe-141



55

Incident Energy (MeV)

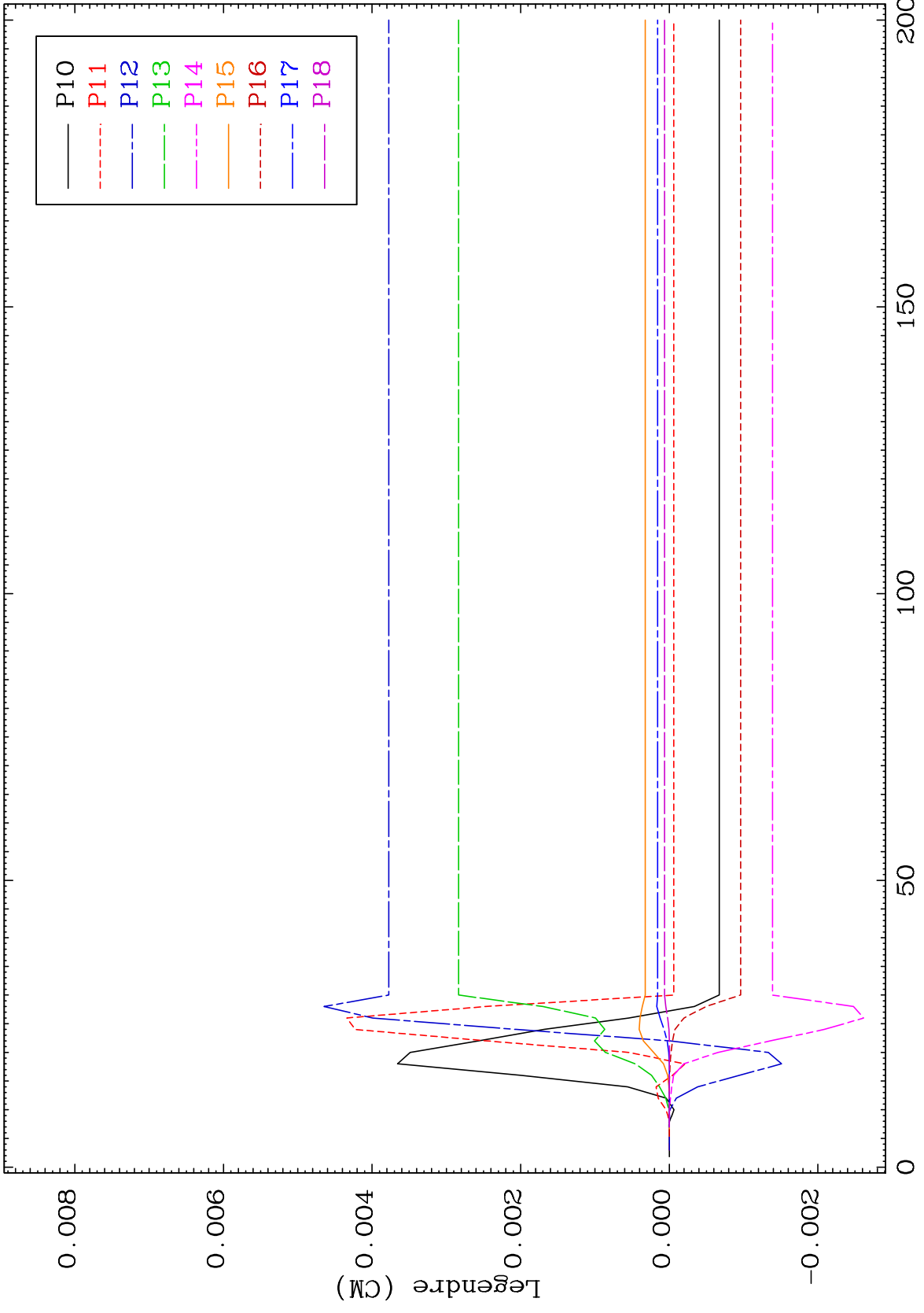
54-Xe-141



MAT 5476

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

54-Xe-141



56

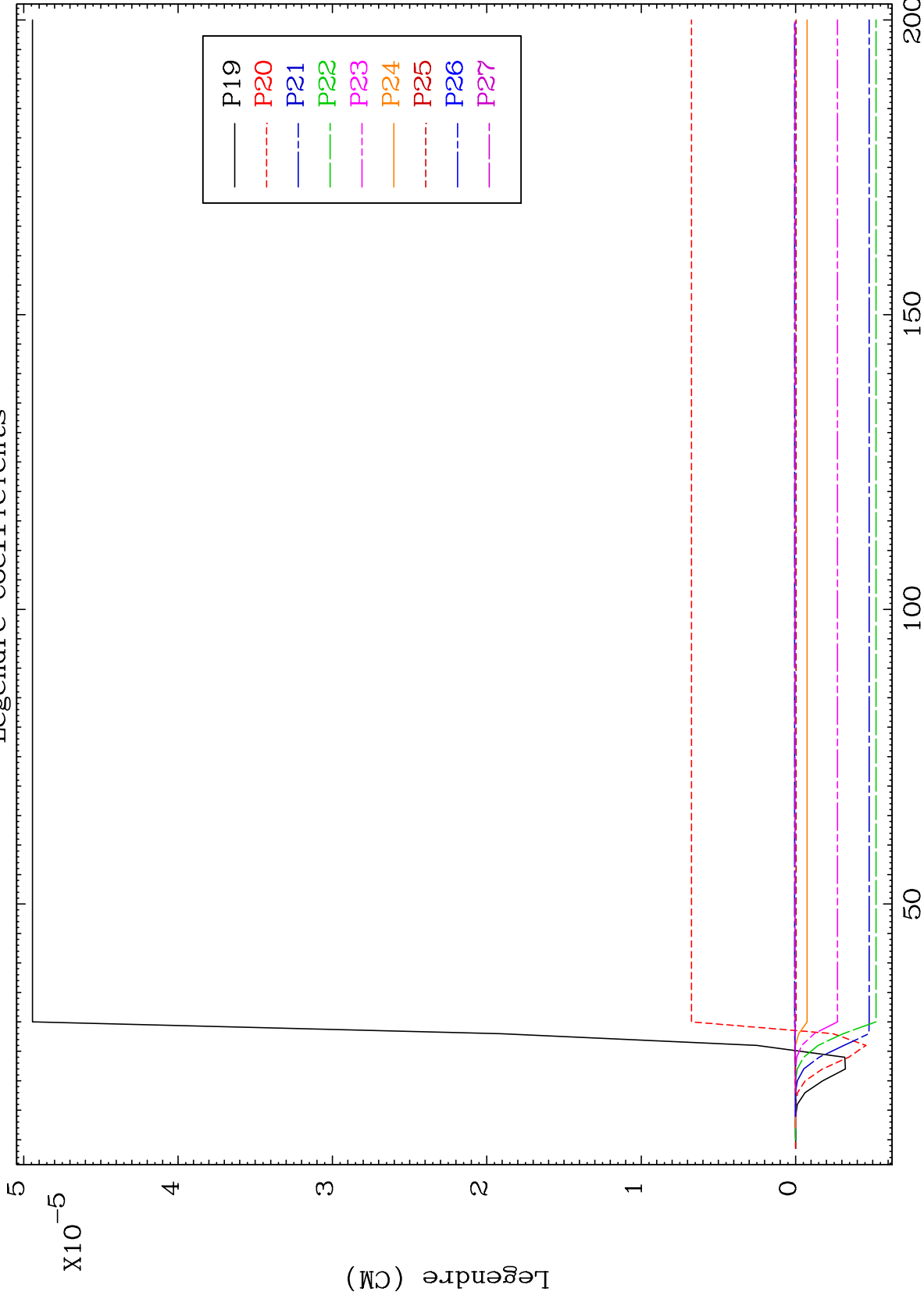
Incident Energy (MeV)

54-Xe-141

MAT 5476

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

54-Xe-141



54-Xe-141

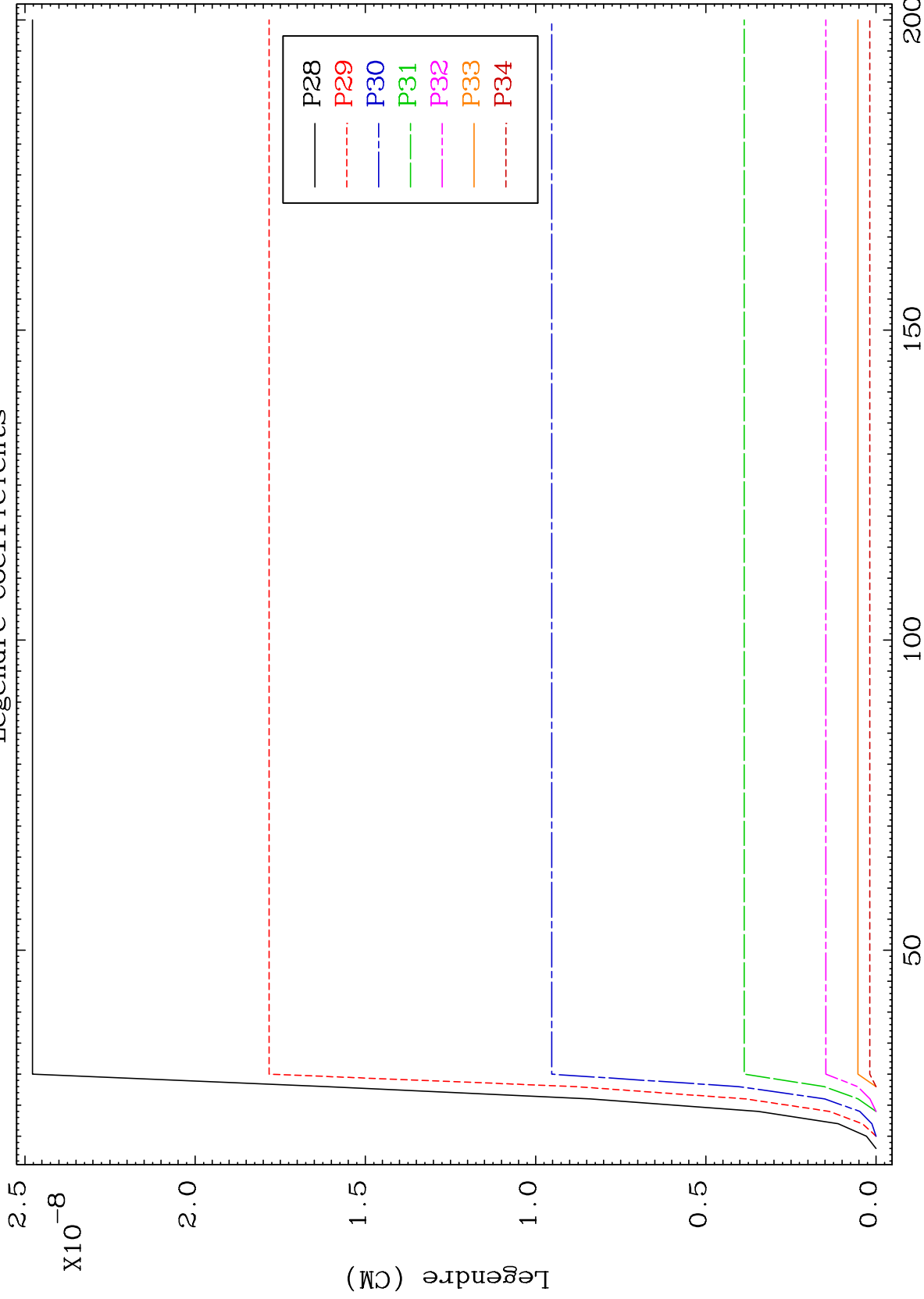
Incident Energy (MeV)

57

MAT 5476

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

54-Xe-141



58

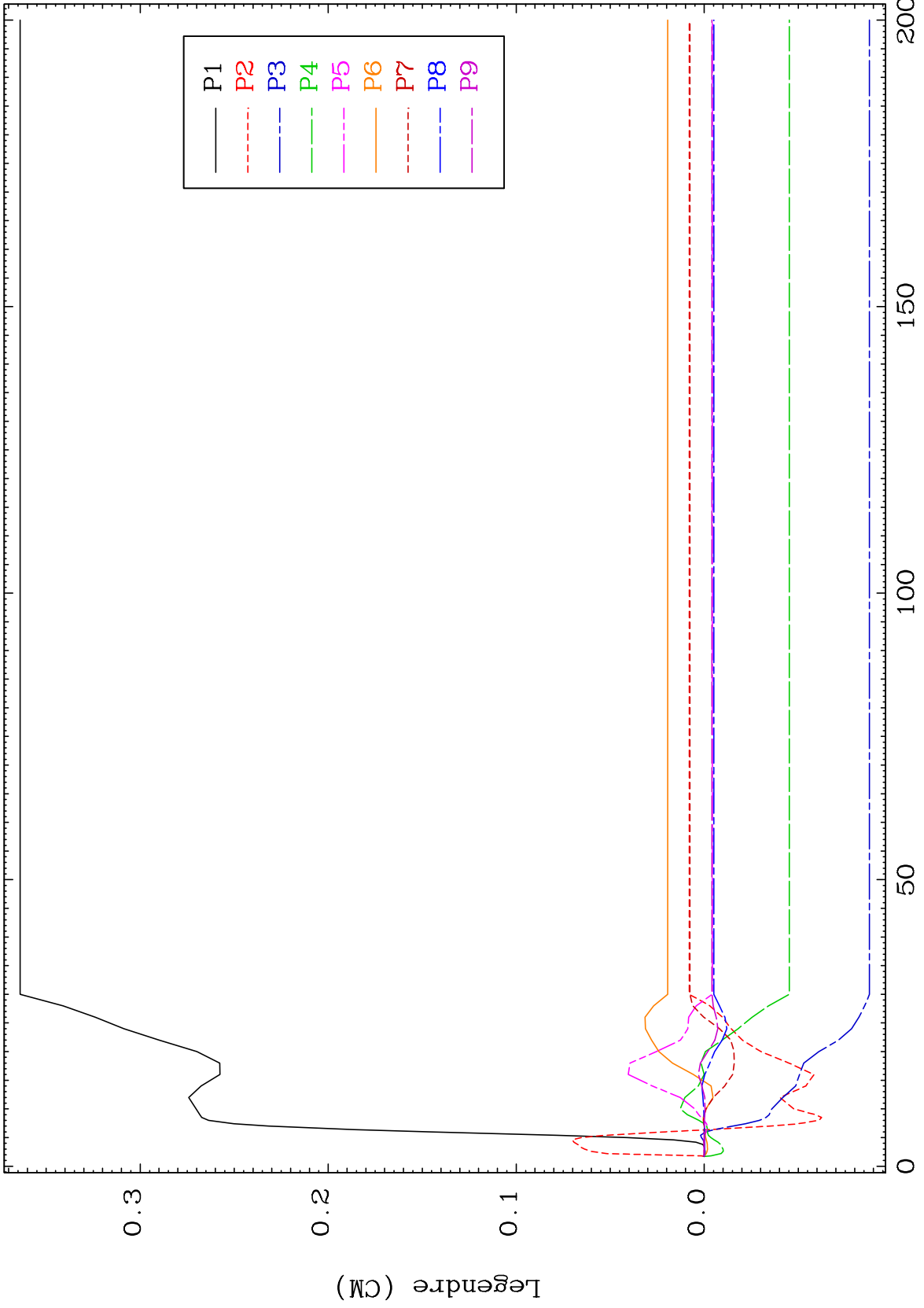
Incident Energy (MeV)

54-Xe-141

MAT 5476

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

54-Xe-141



59

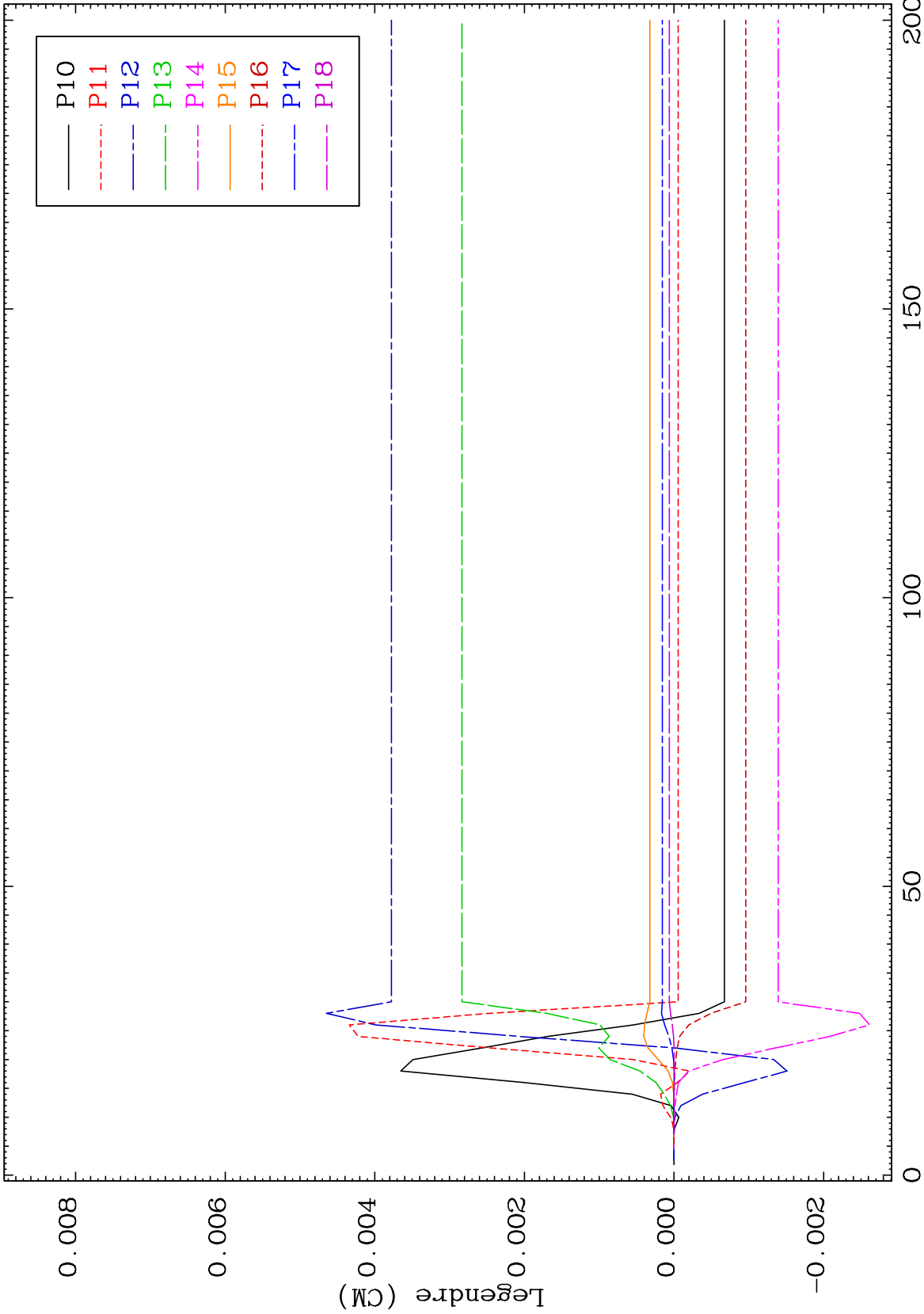
Incident Energy (MeV)

54-Xe-141

MAT 5476

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

54-Xe-141



54-Xe-141

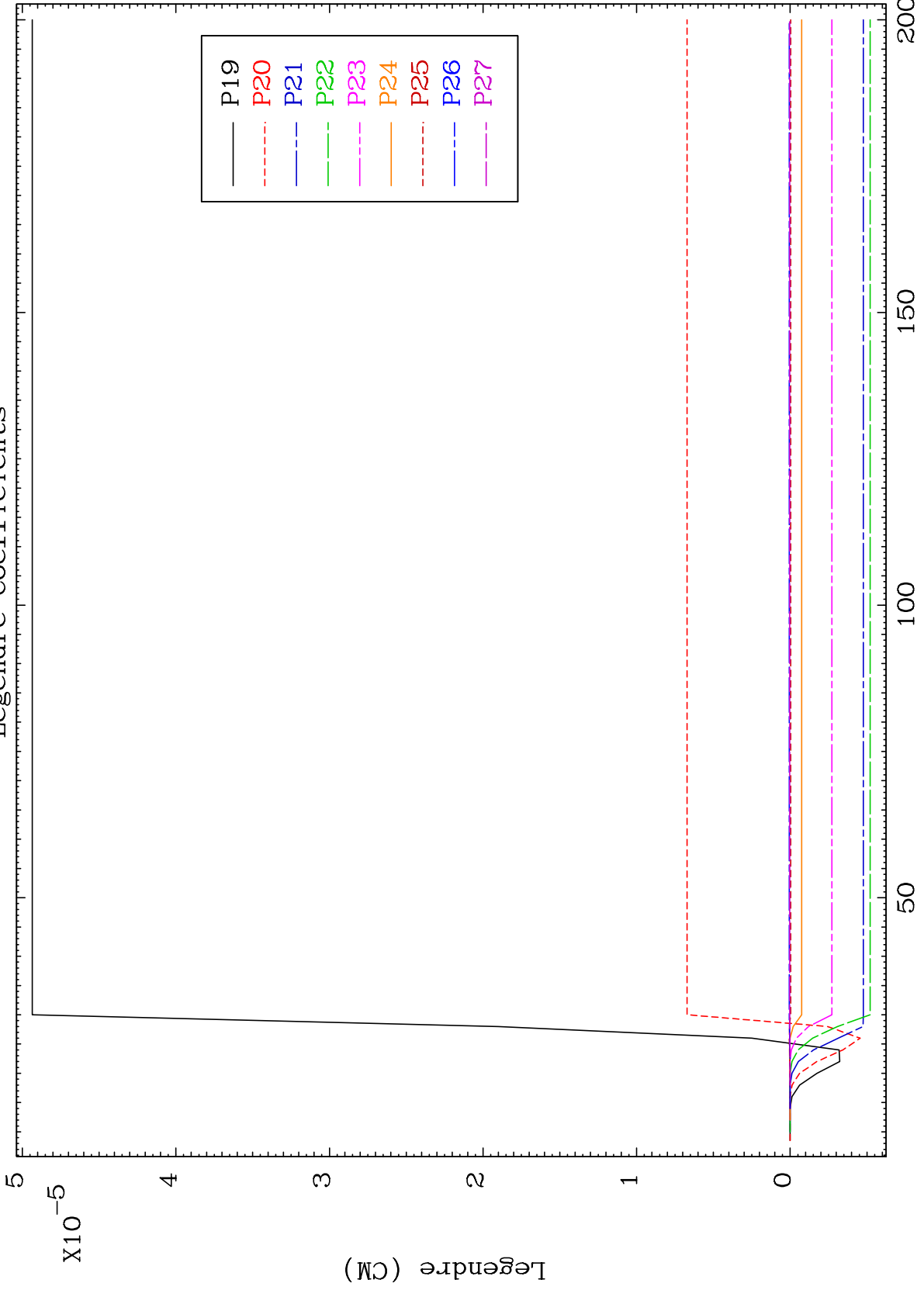
Incident Energy (MeV)

60

MAT 5476

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

54-Xe-141



61

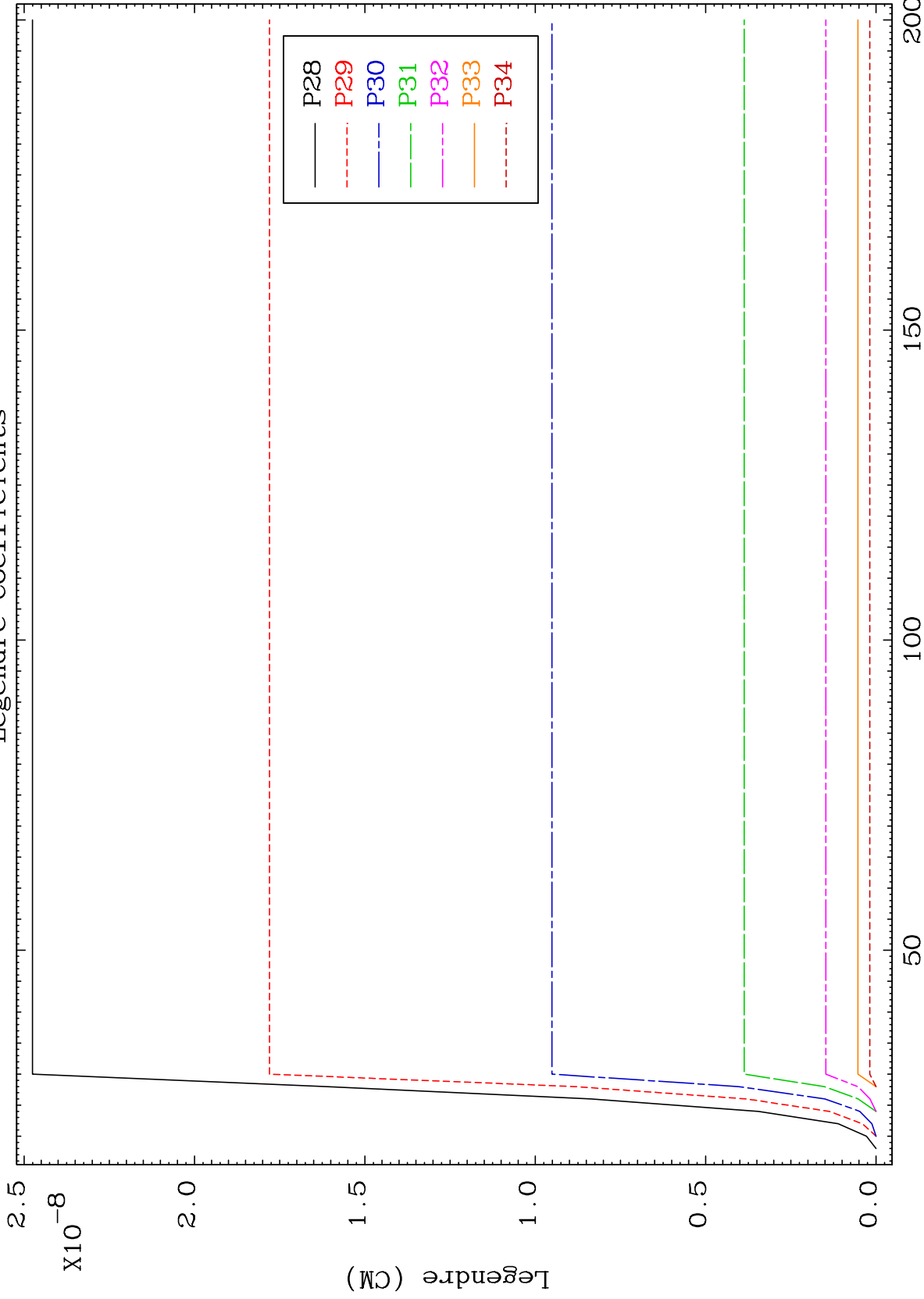
Incident Energy (MeV)

54-Xe-141

MAT 5476

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

54-Xe-141



62

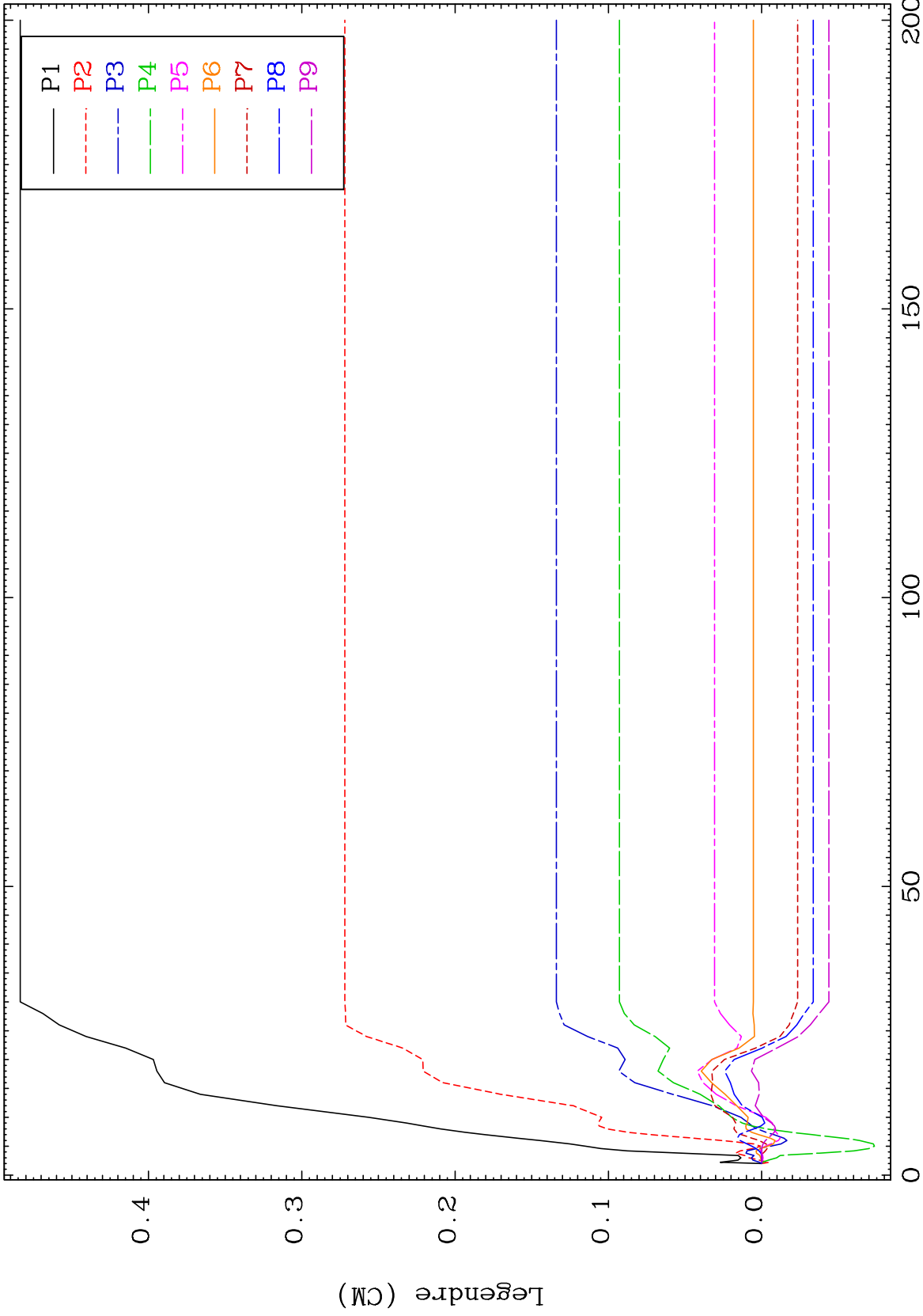
Incident Energy (MeV)

54-Xe-141

MAT 5476

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

54-Xe-141



63

Incident Energy (MeV)

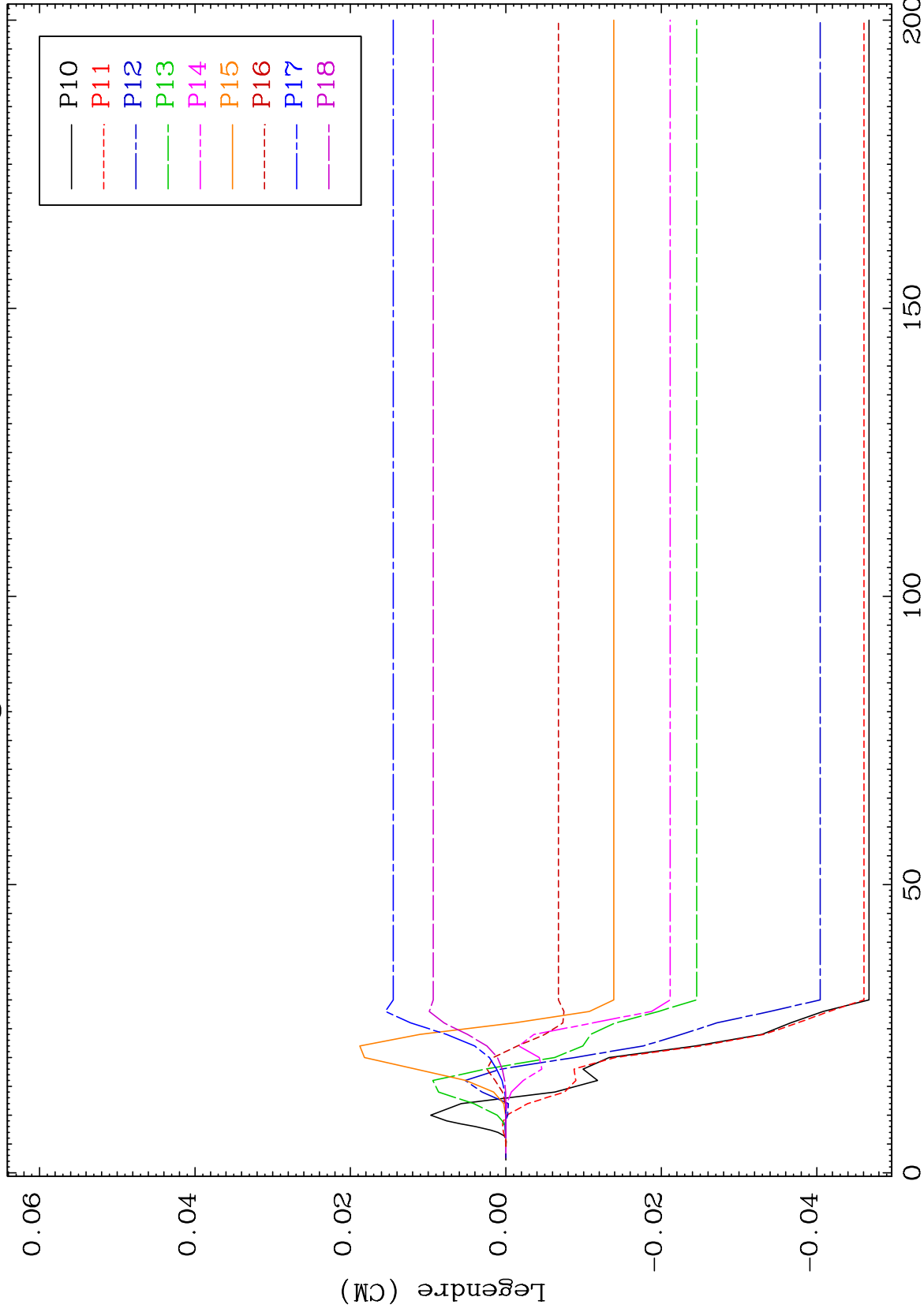
54-Xe-141



MAT 5476

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

54-Xe-141



64

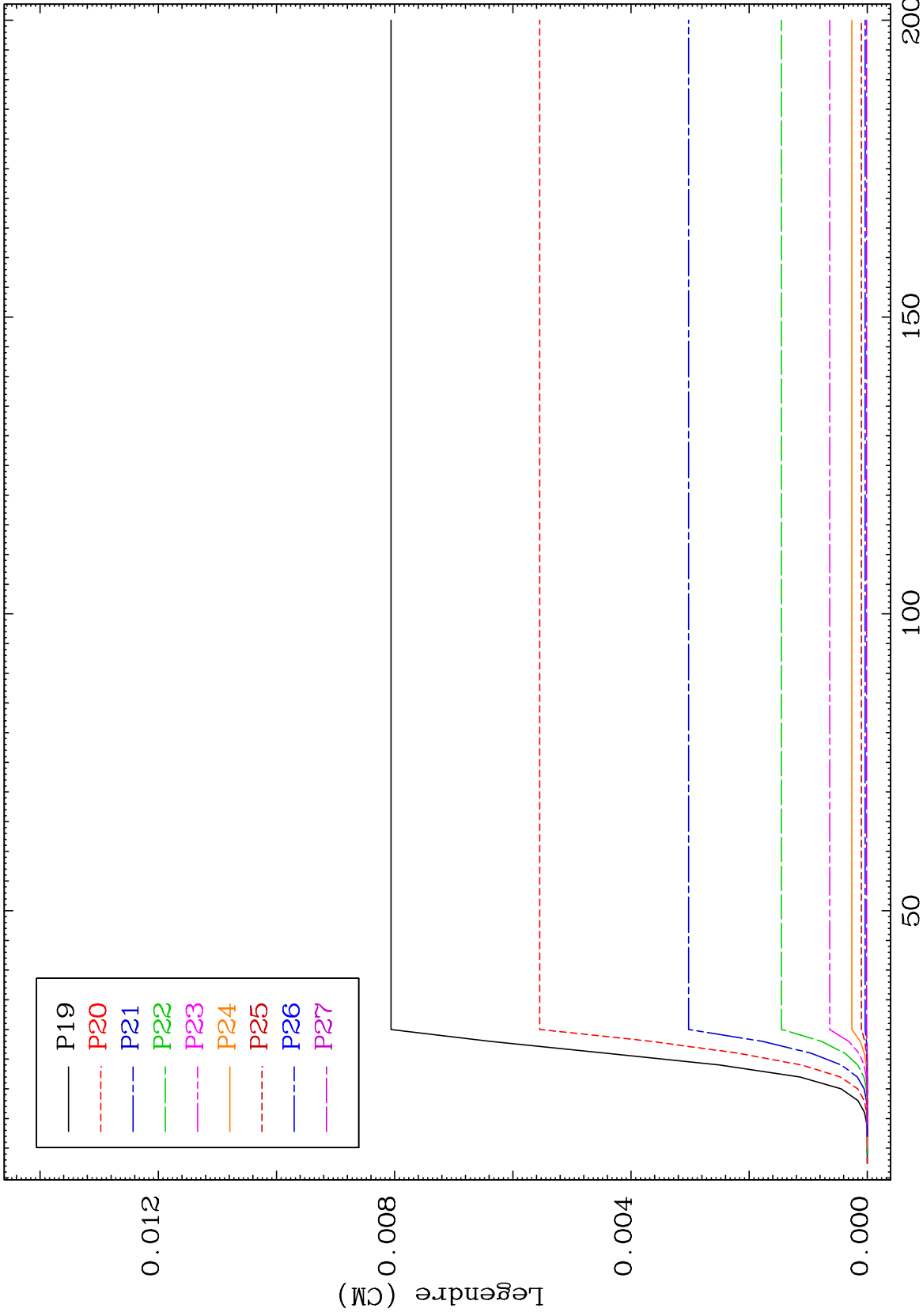
Incident Energy (MeV)

54-Xe-141

MAT 5476

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

54-Xe-141



65

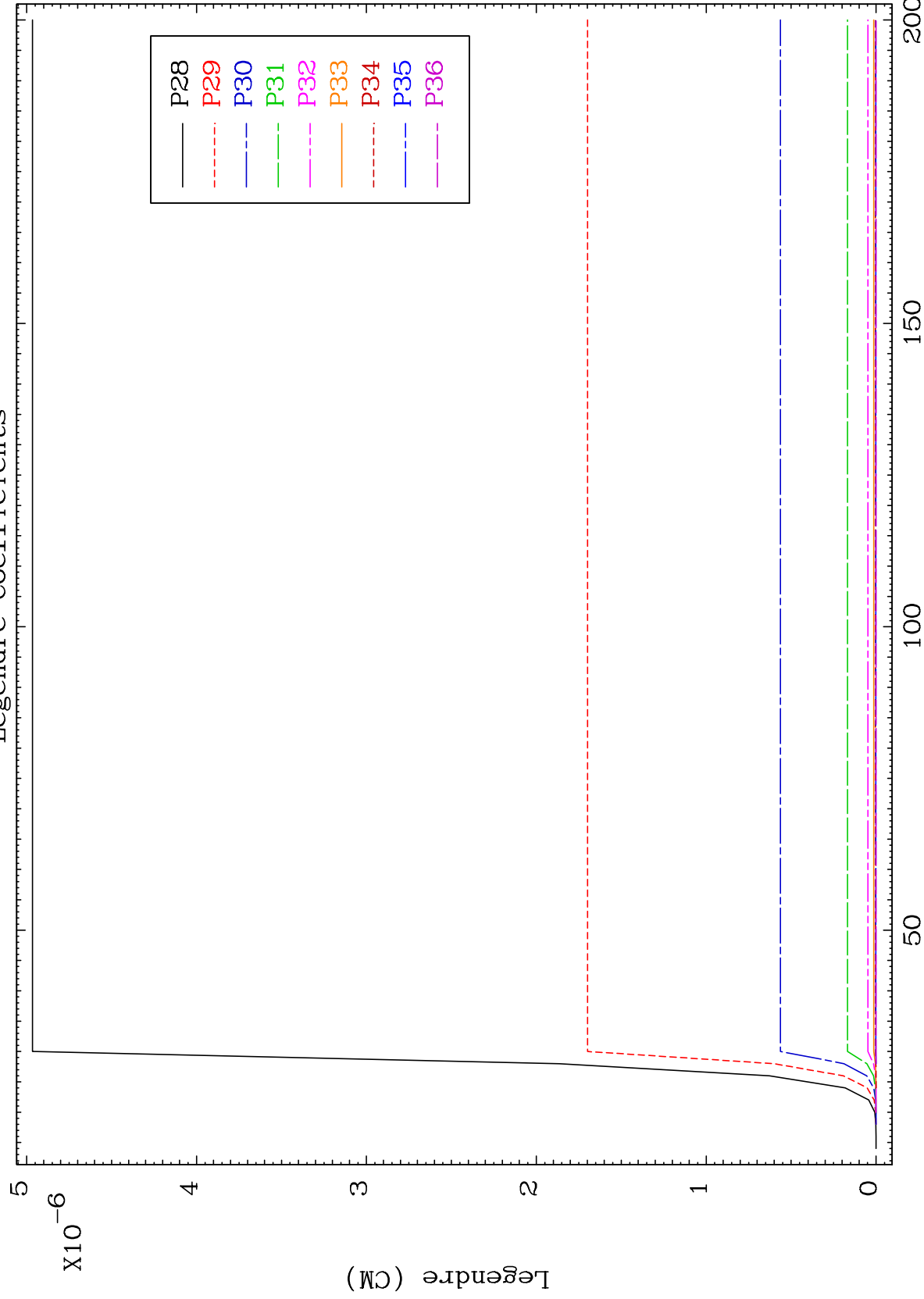
Incident Energy (MeV)

54-Xe-141

MAT 5476

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

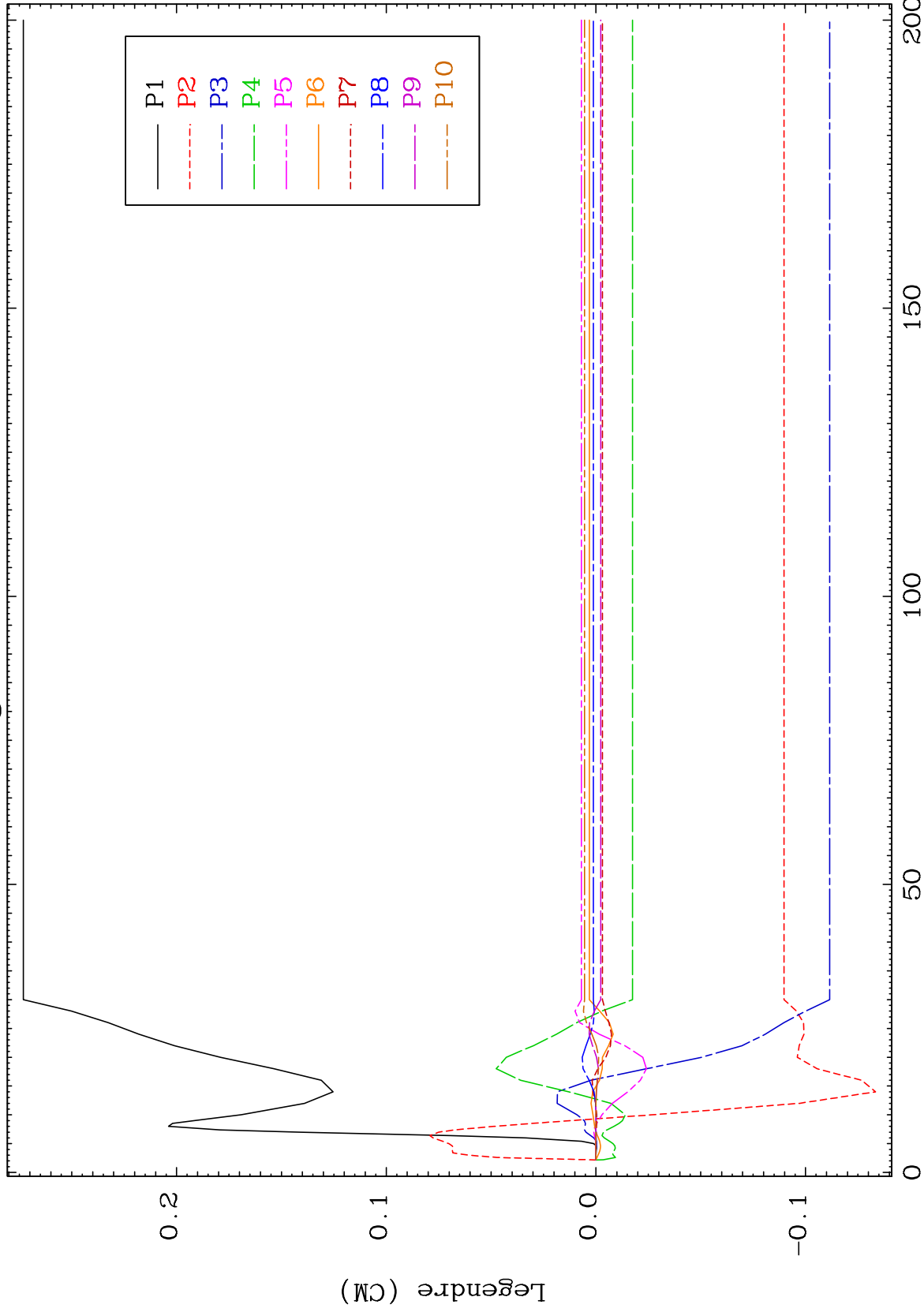
54-Xe-141



MAT 5476

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

54-Xe-141



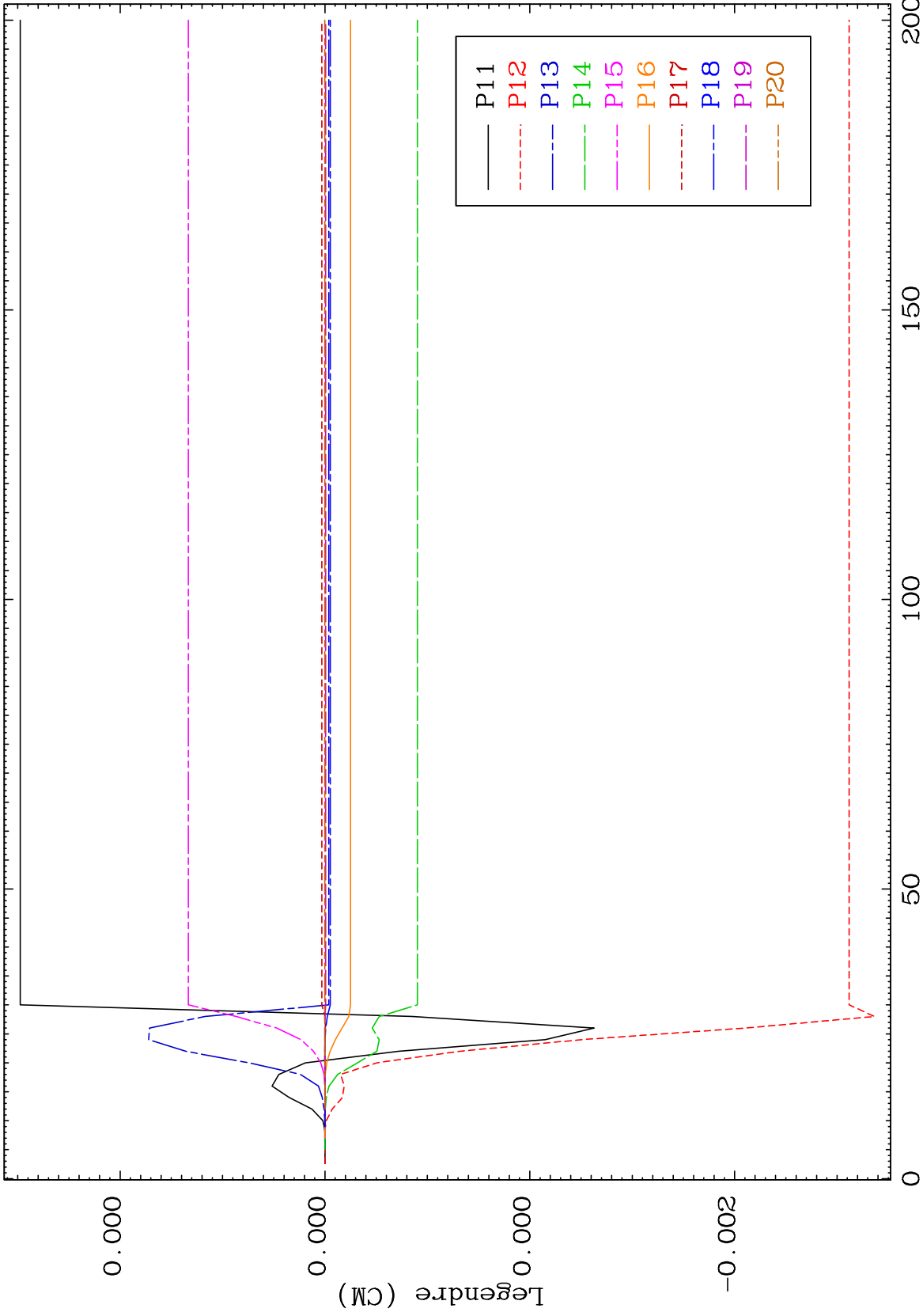
67

54-Xe-141

MAT 5476

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

54-Xe-141



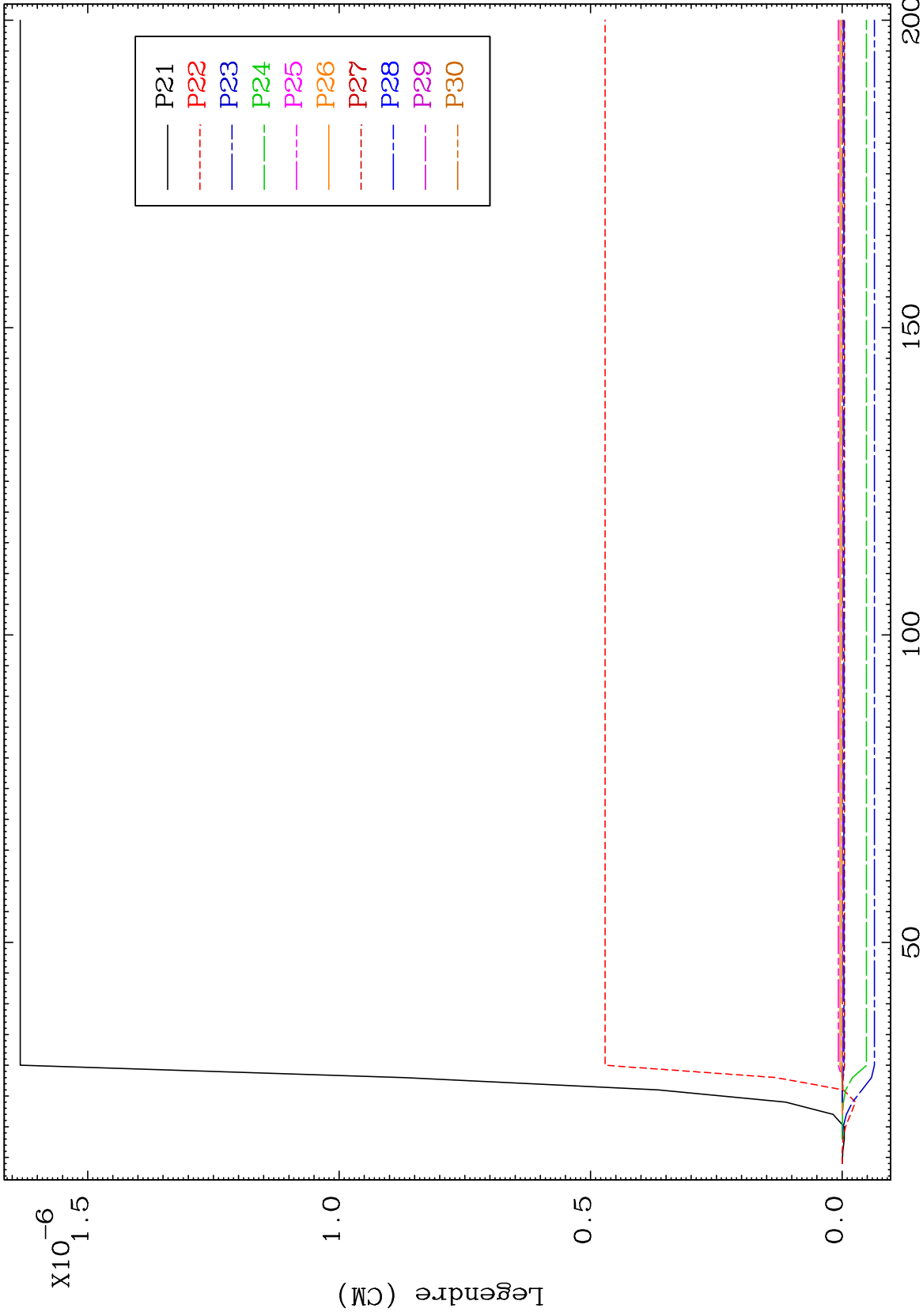
68

54-Xe-141

MAT 5476

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

54-Xe-141



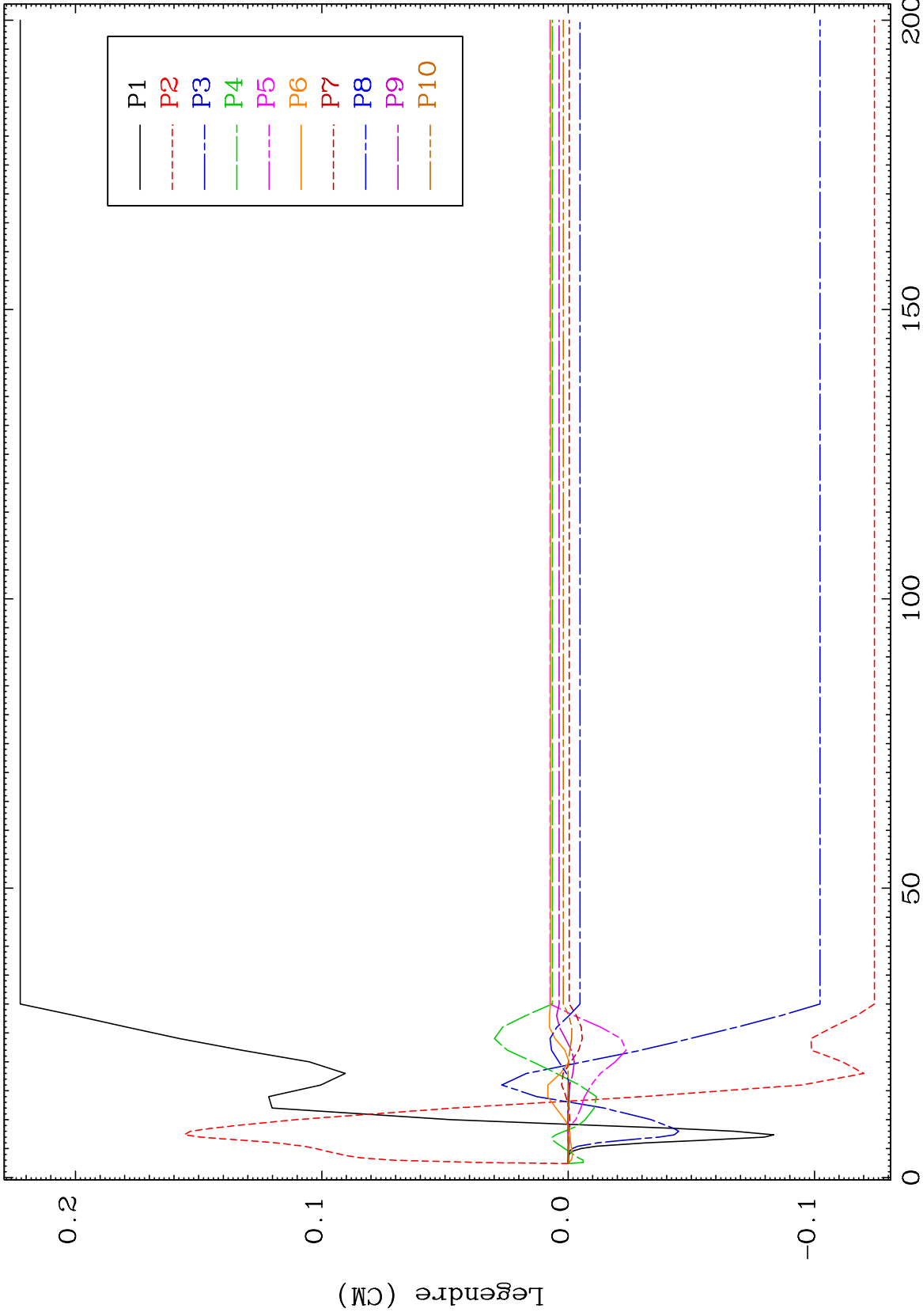
69

54-Xe-141

MAT 5476

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

54-Xe-141



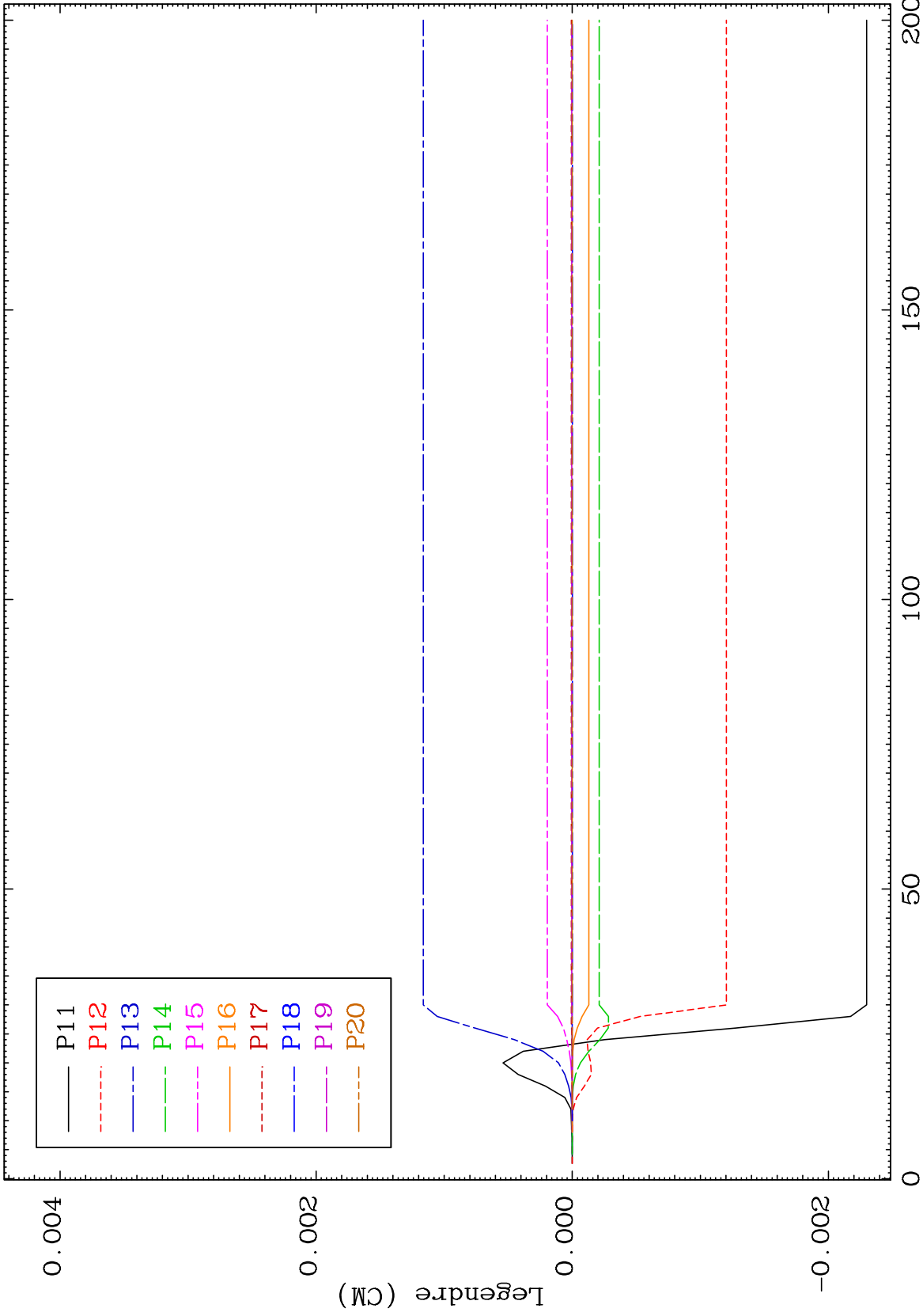
54-Xe-141

Incident Energy (MeV)

MAT 5476

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

54-Xe-141



71

Incident Energy (MeV)

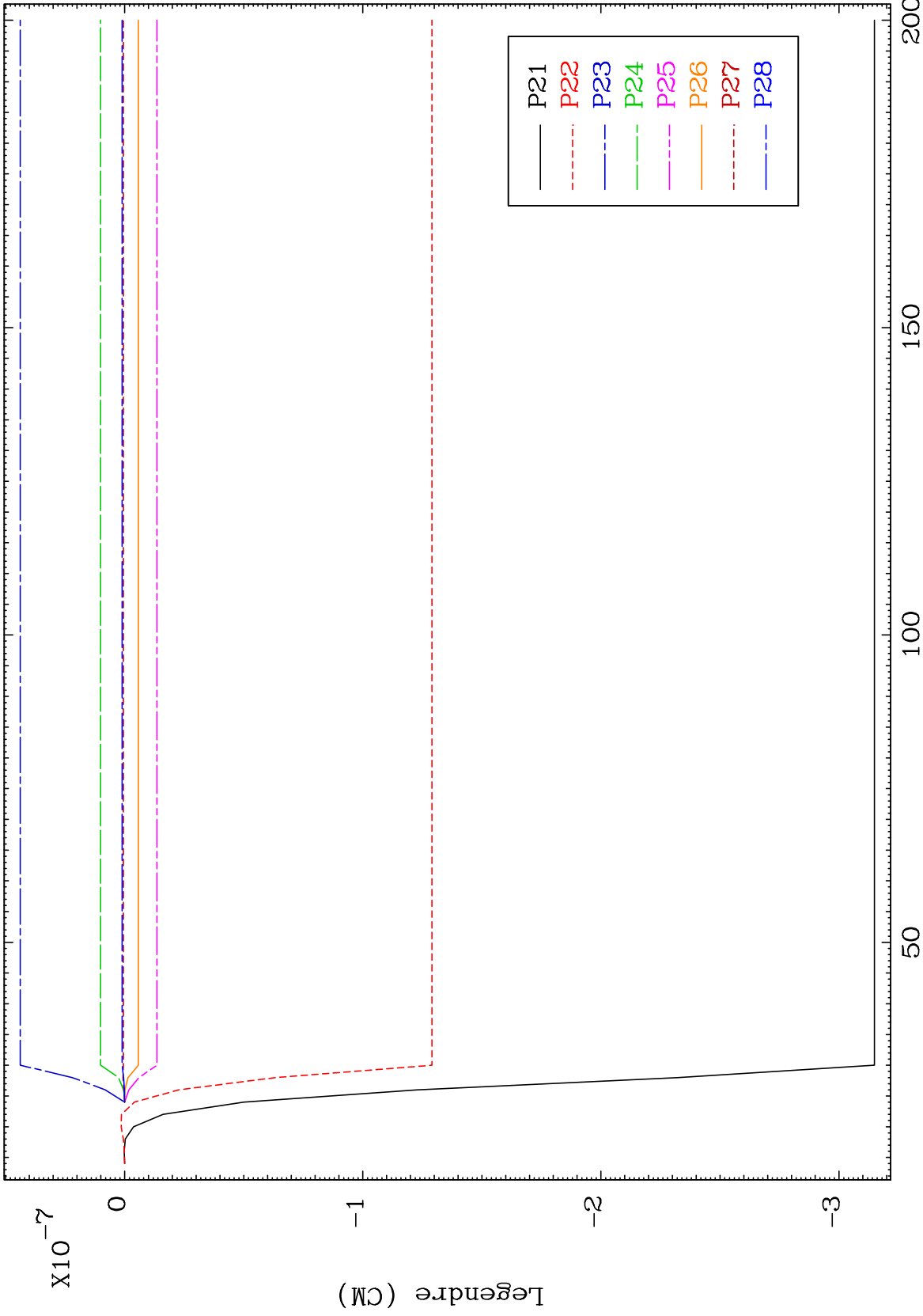
54-Xe-141



MAT 5476

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

54-Xe-141



72

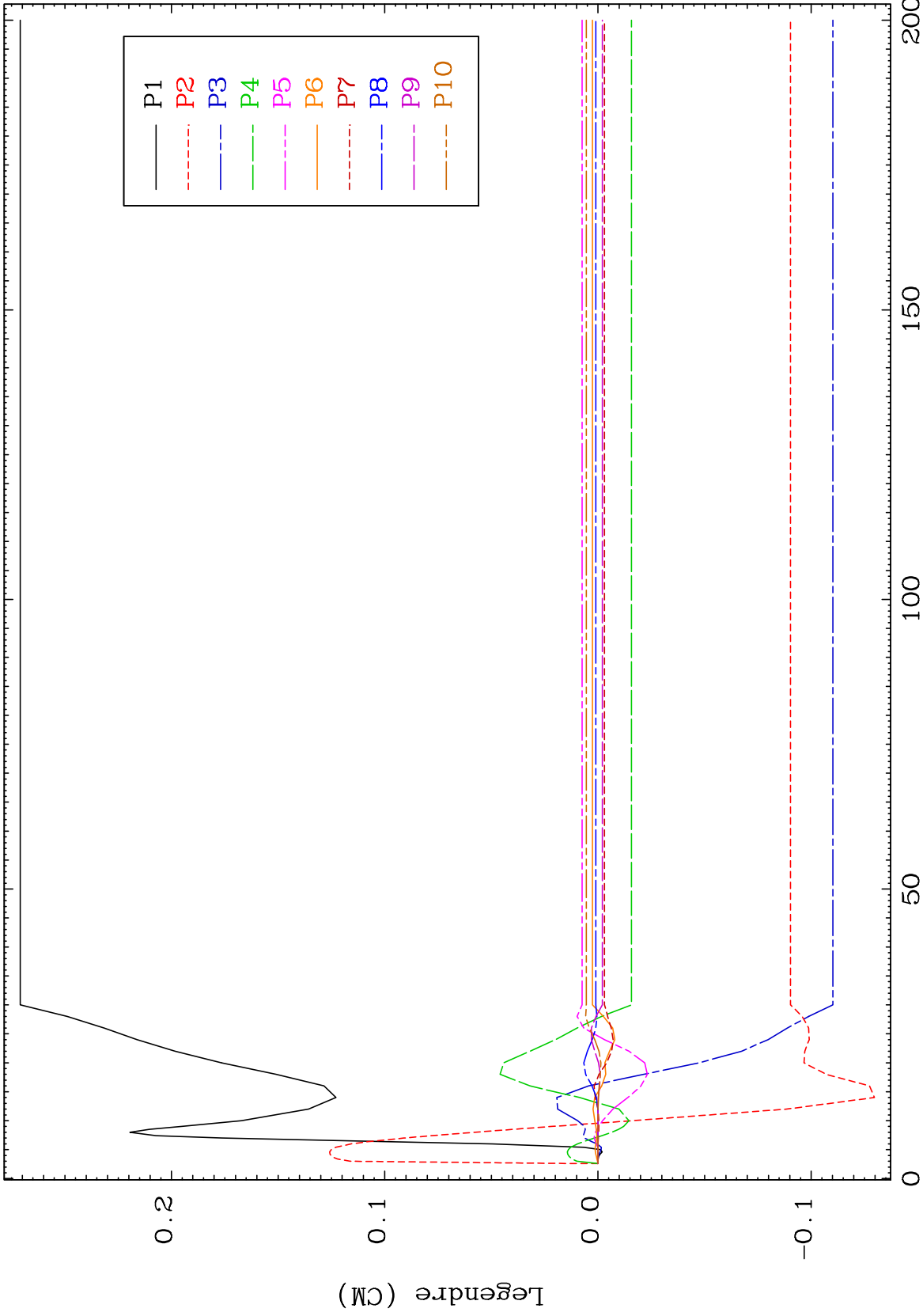
Incident Energy (MeV)

54-Xe-141

MAT 5476

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

54-Xe-141



73

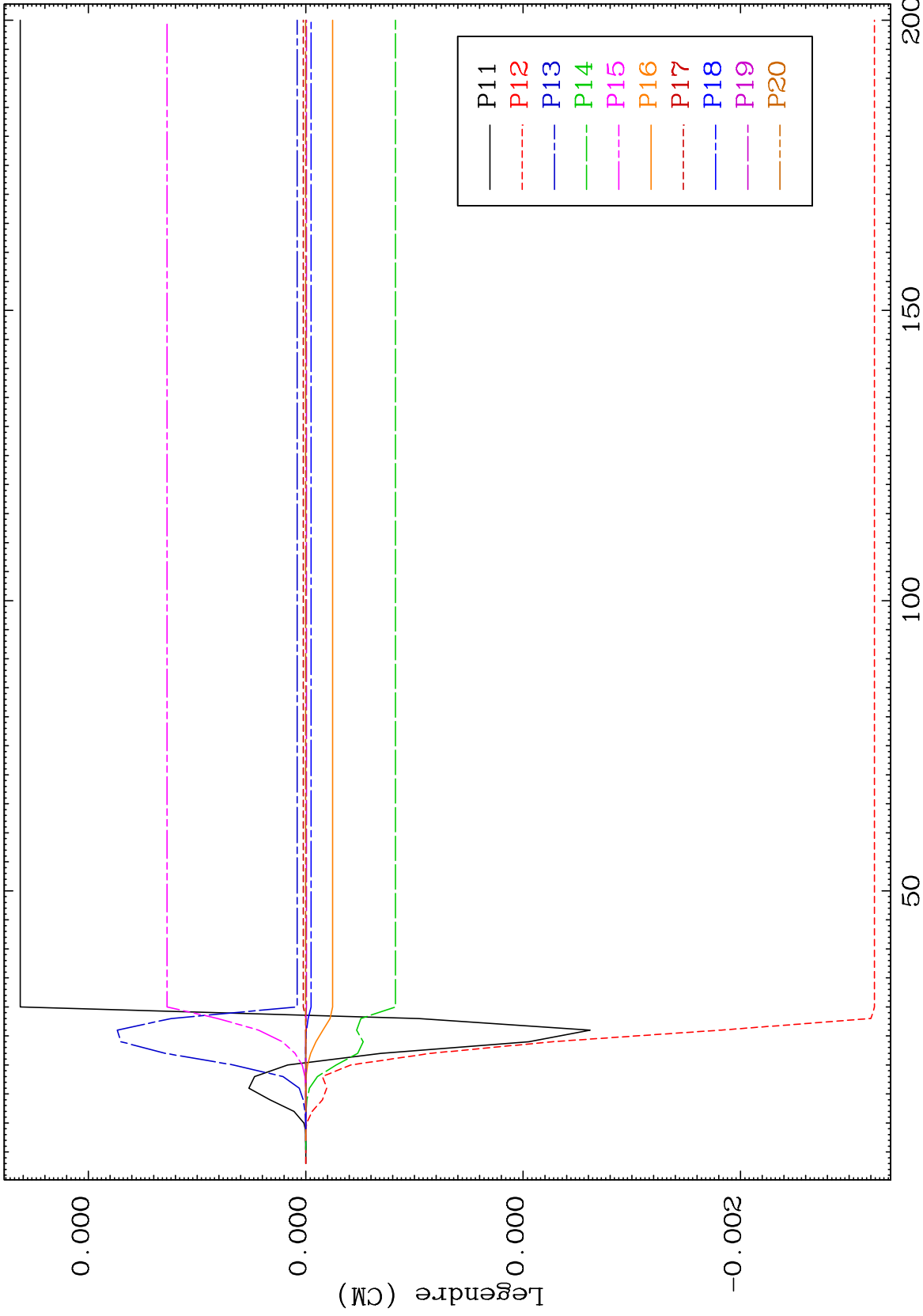
Incident Energy (MeV)

54-Xe-141

MAT 5476

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

54-Xe-141



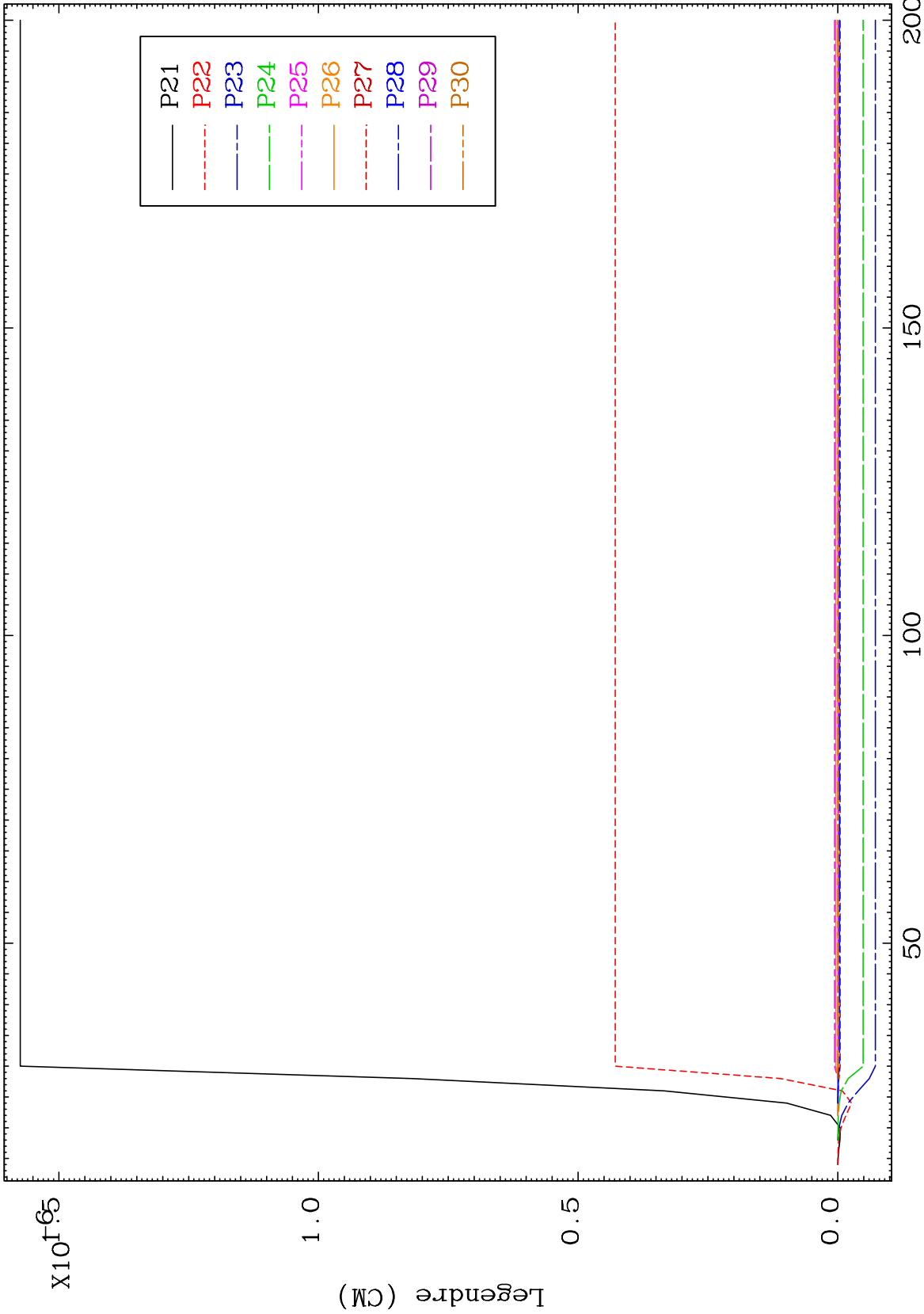
74

54-Xe-141

MAT 5476

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

54-Xe-141



75

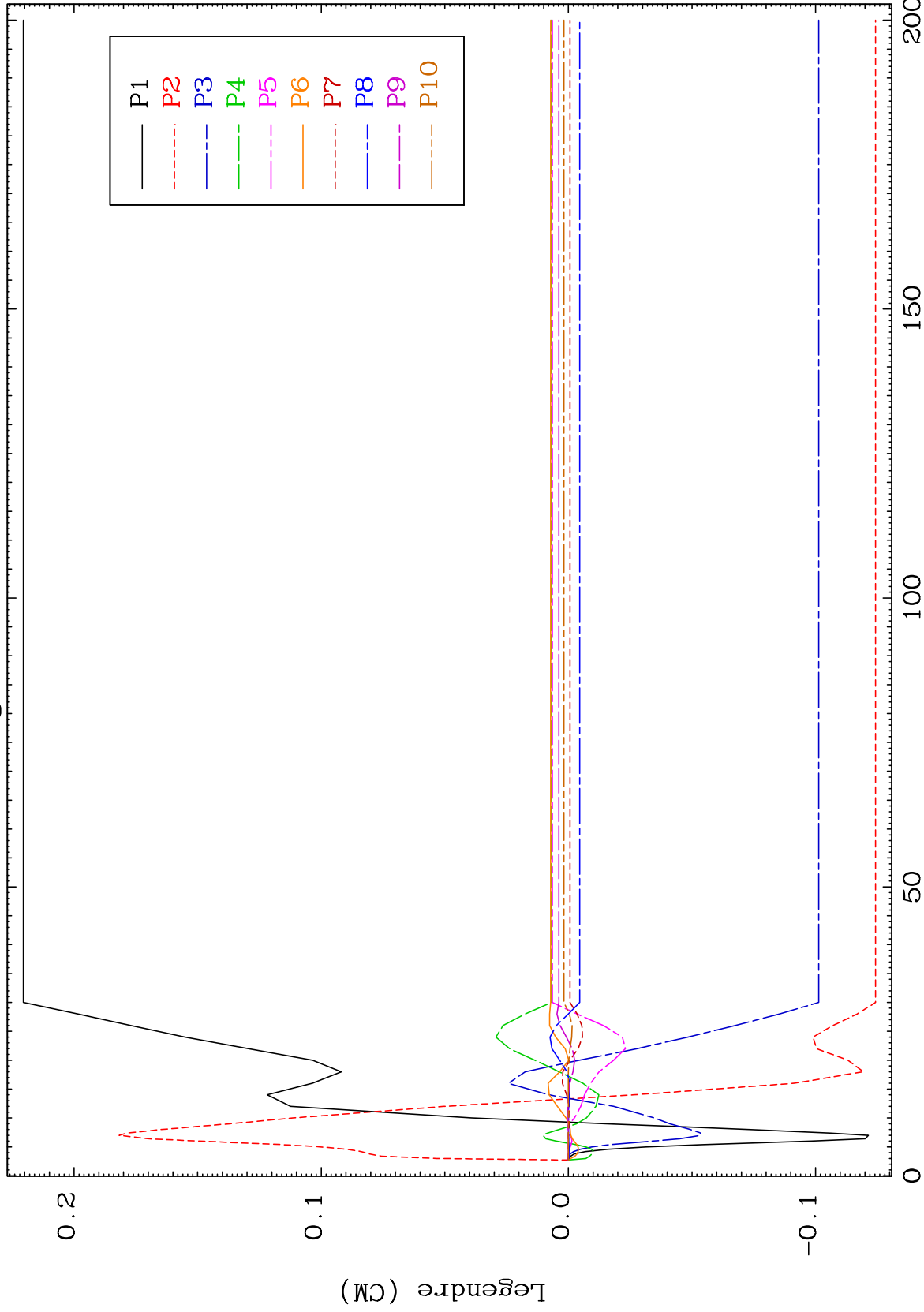
Incident Energy (MeV)

54-Xe-141

MAT 5476

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

54-Xe-141



76

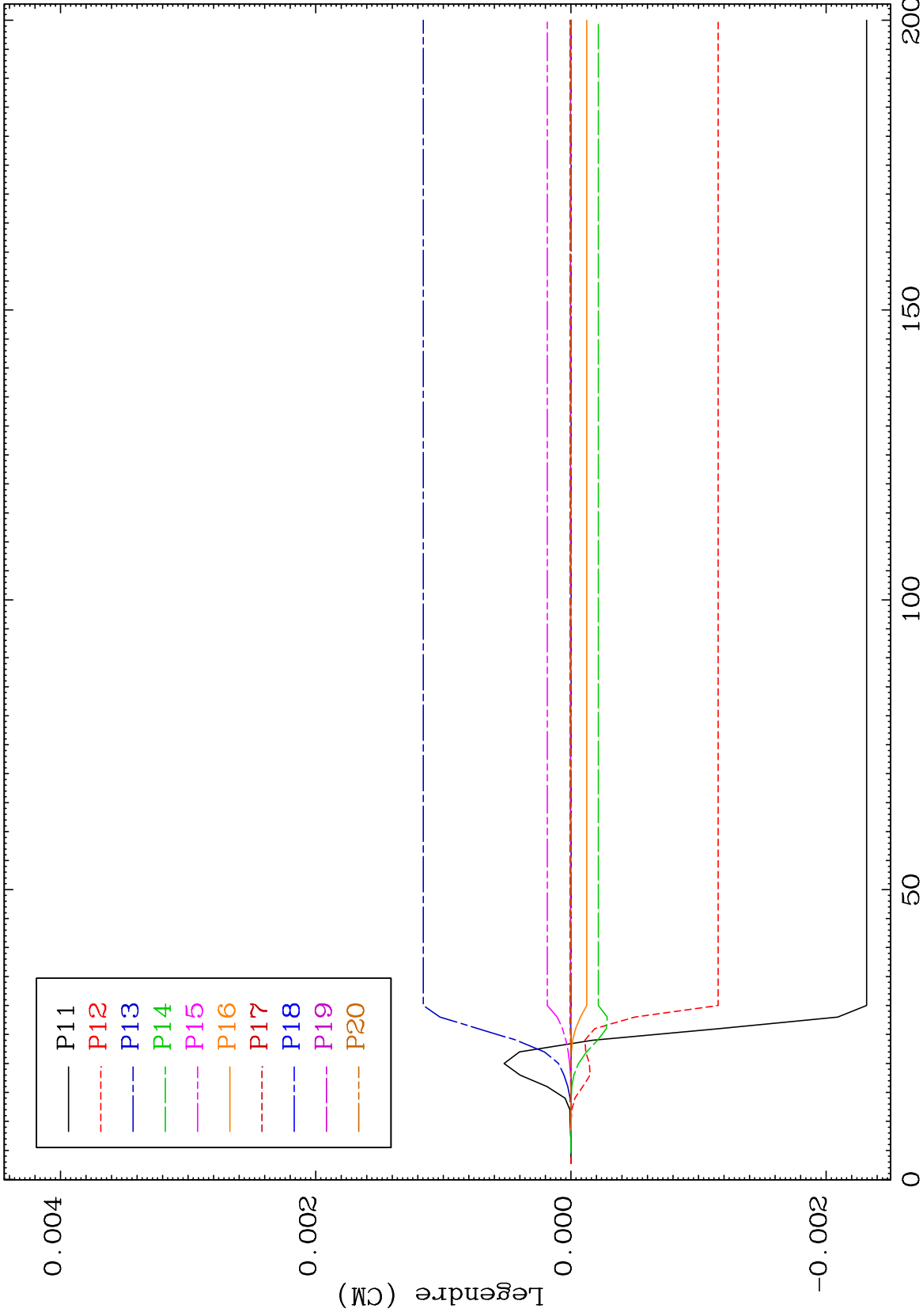
Incident Energy (MeV)

54-Xe-141

MAT 5476

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

54-Xe-141



77

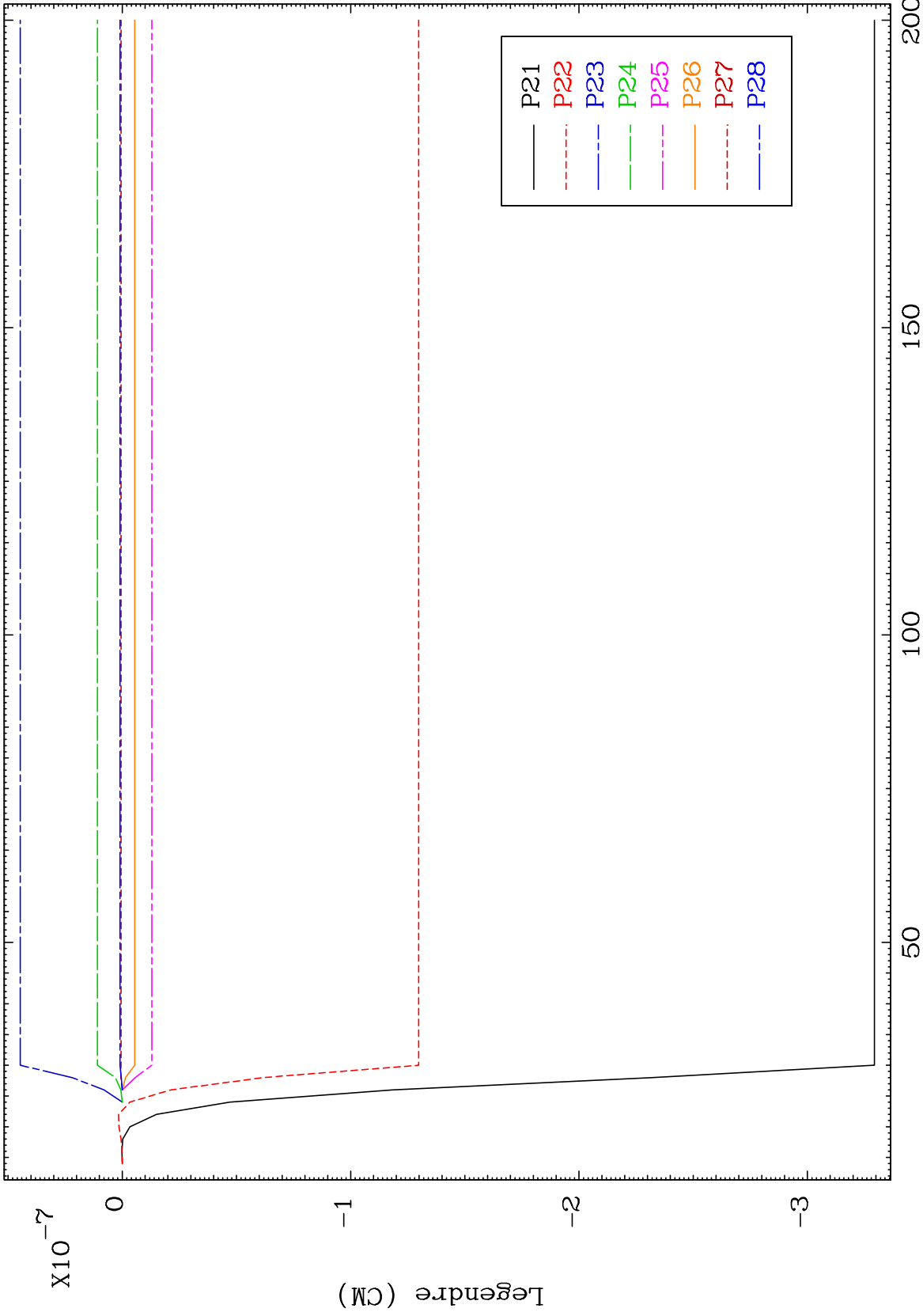
Incident Energy (MeV)

54-Xe-141

MAT 5476

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

54-Xe-141



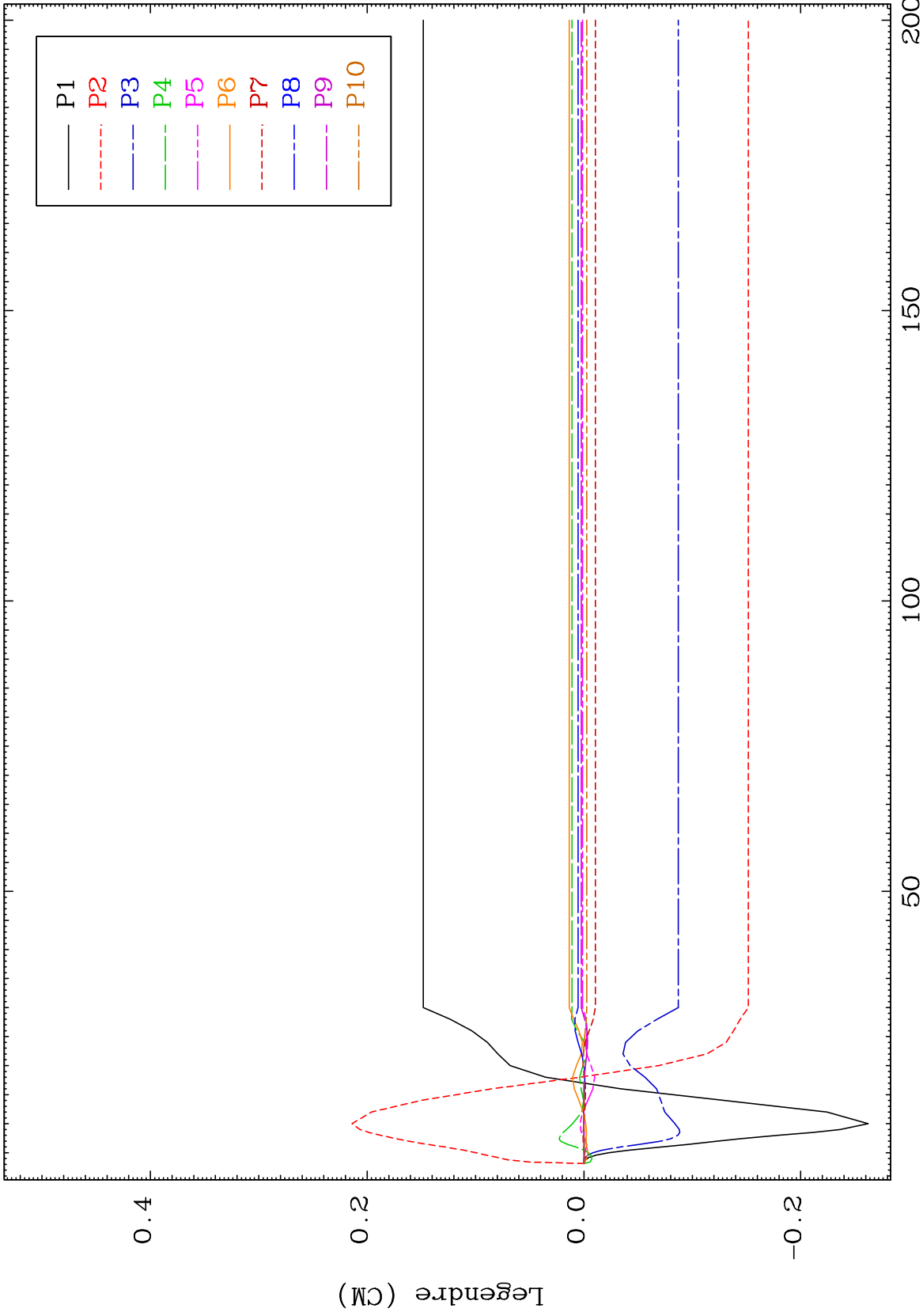
78

54-Xe-141

MAT 5476

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

54-Xe-141



79

Incident Energy (MeV)

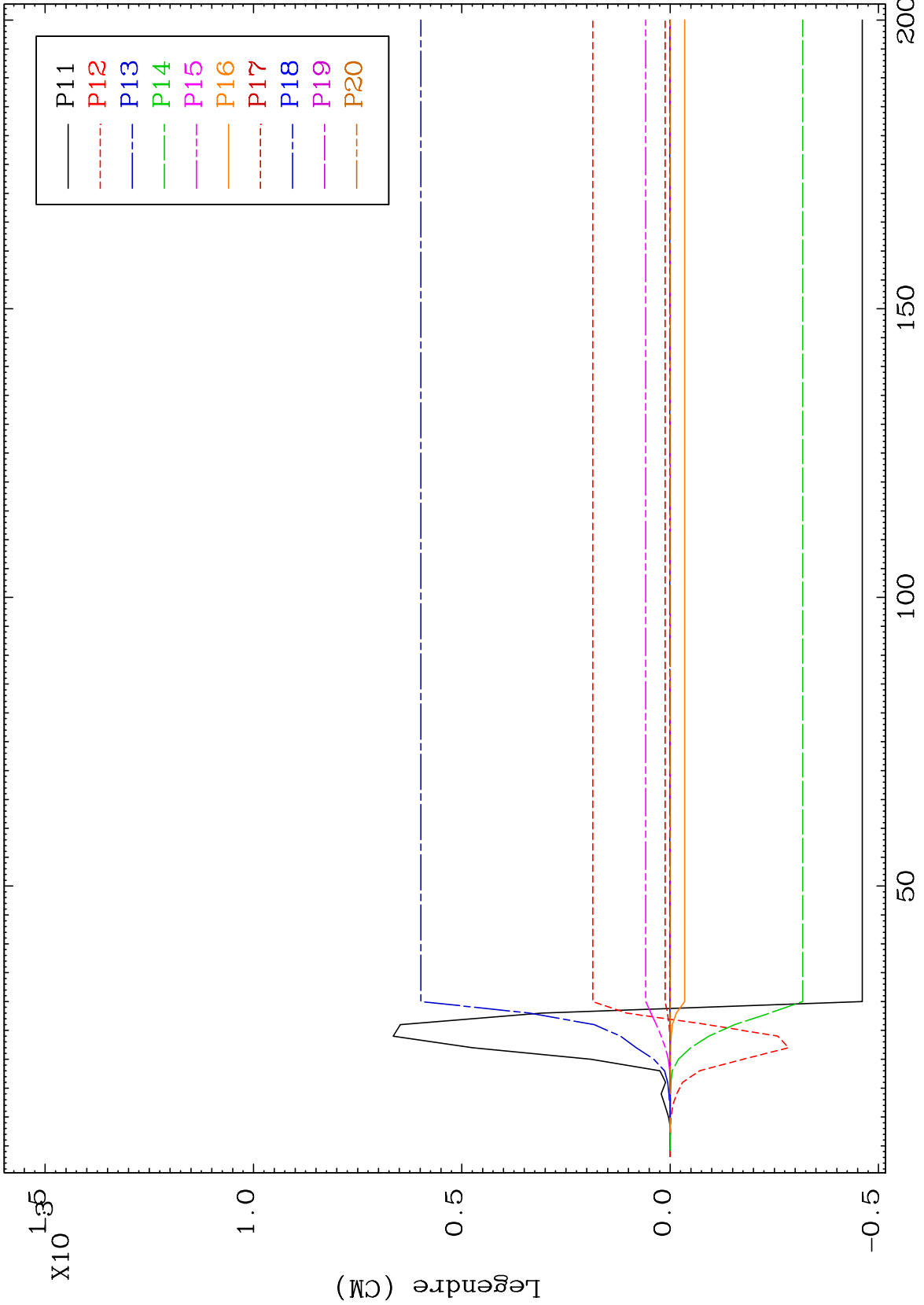
54-Xe-141



MAT 5476

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

54-Xe-141



80

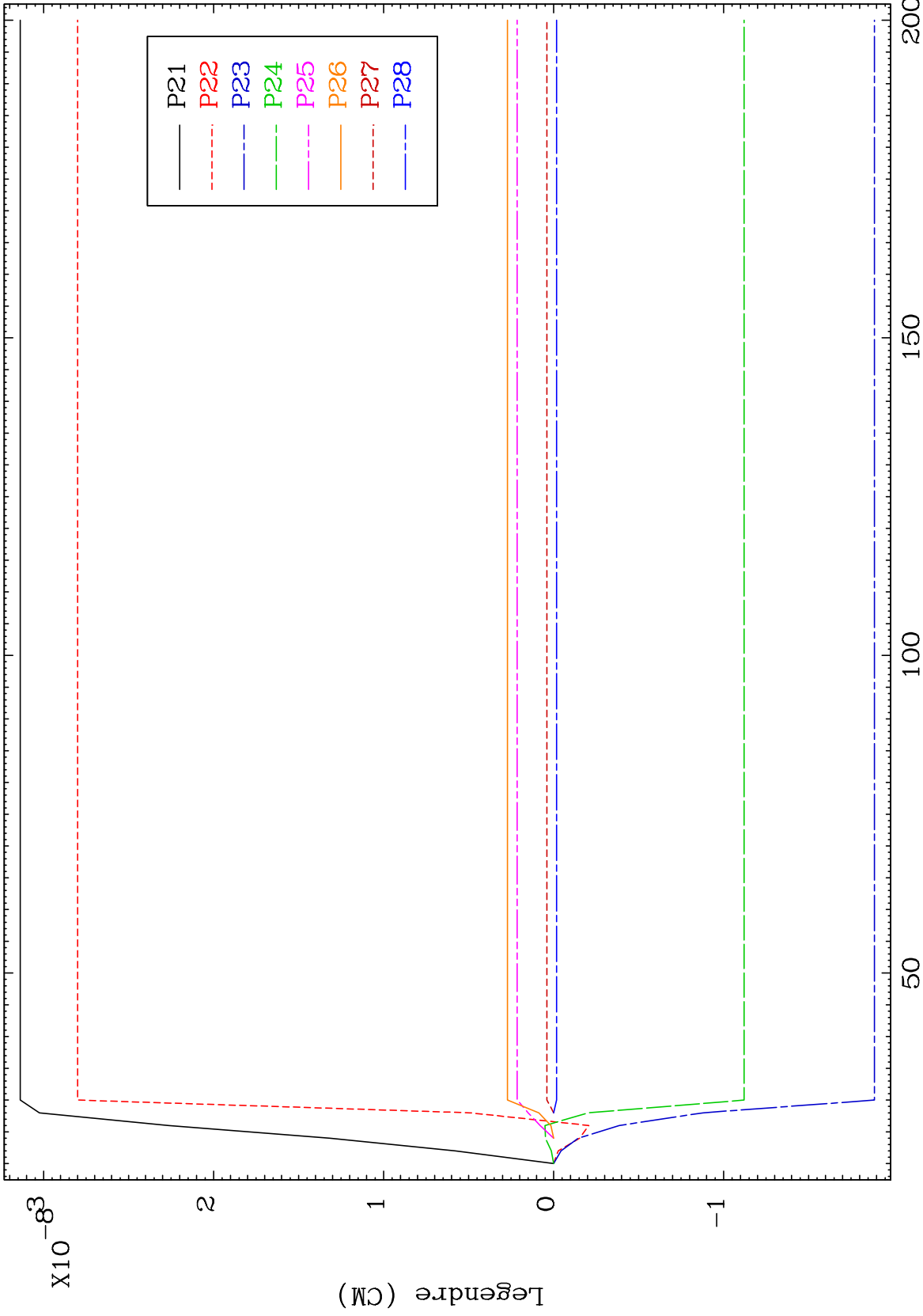
Incident Energy (MeV)

54-Xe-141

MAT 5476

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

54-Xe-141



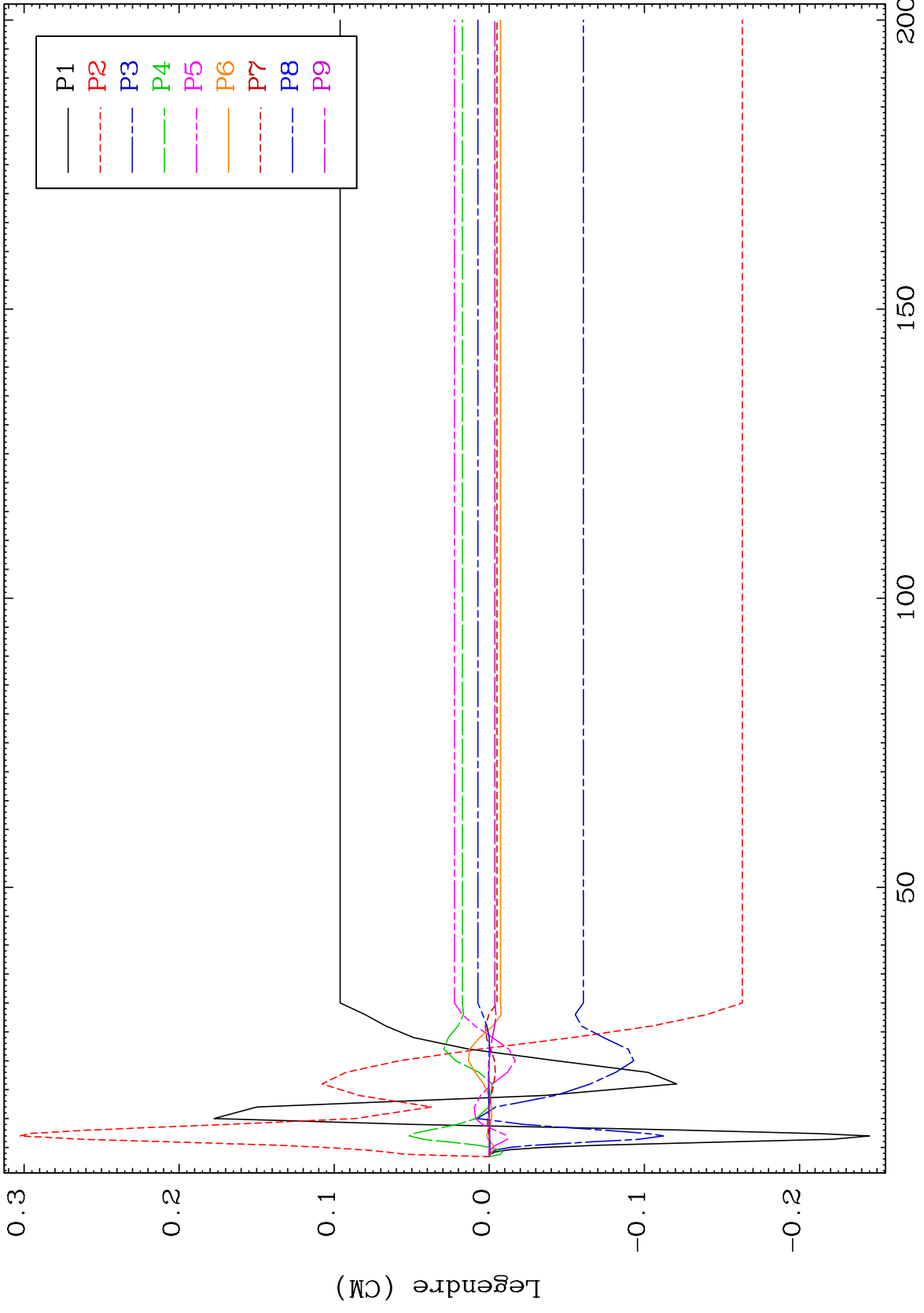
81

54-Xe-141

MAT 5476

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

54-Xe-141



82

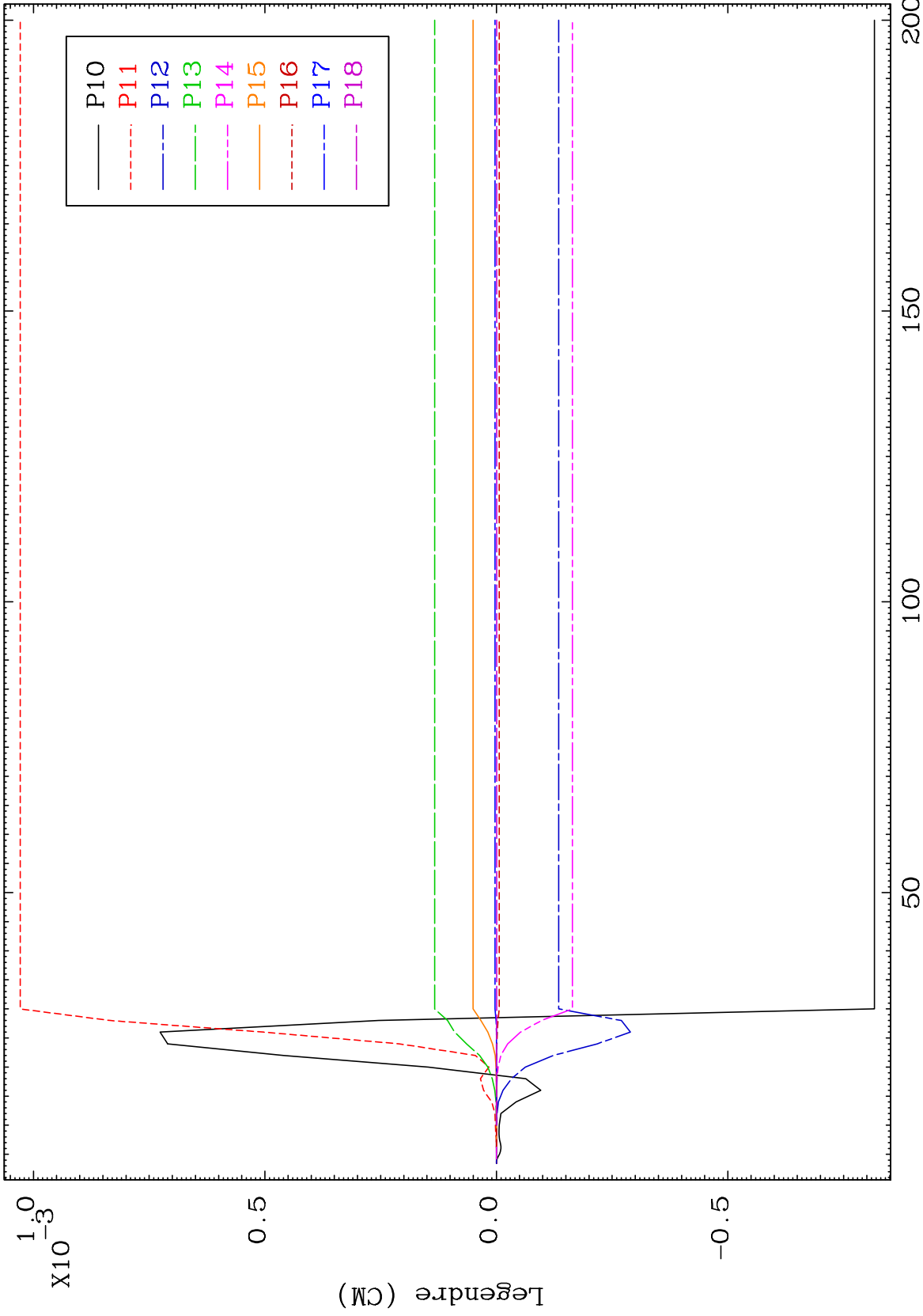
Incident Energy (MeV)

54-Xe-141

MAT 5476

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

54-Xe-141



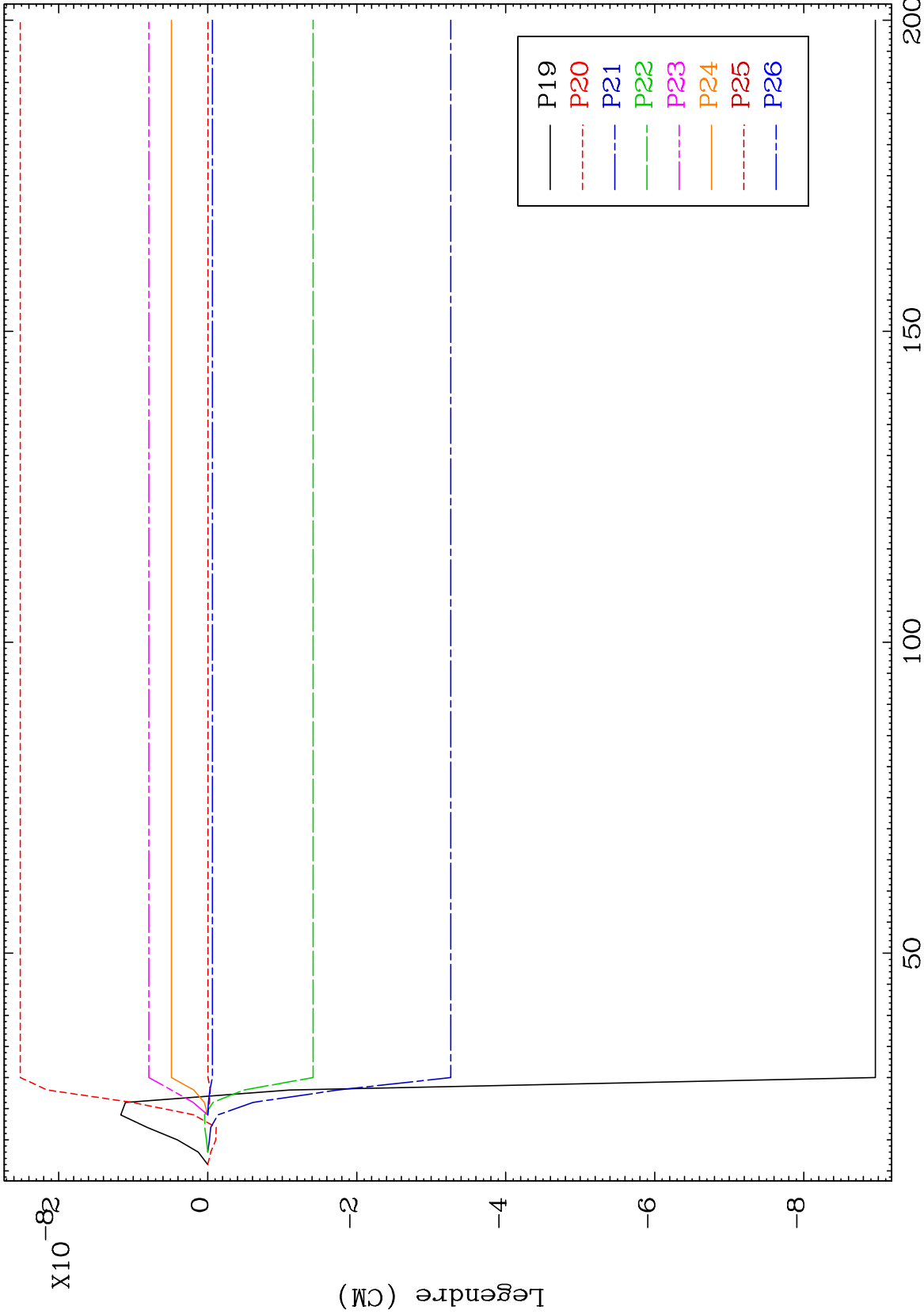
83

54-Xe-141

MAT 5476

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

54-Xe-141



84

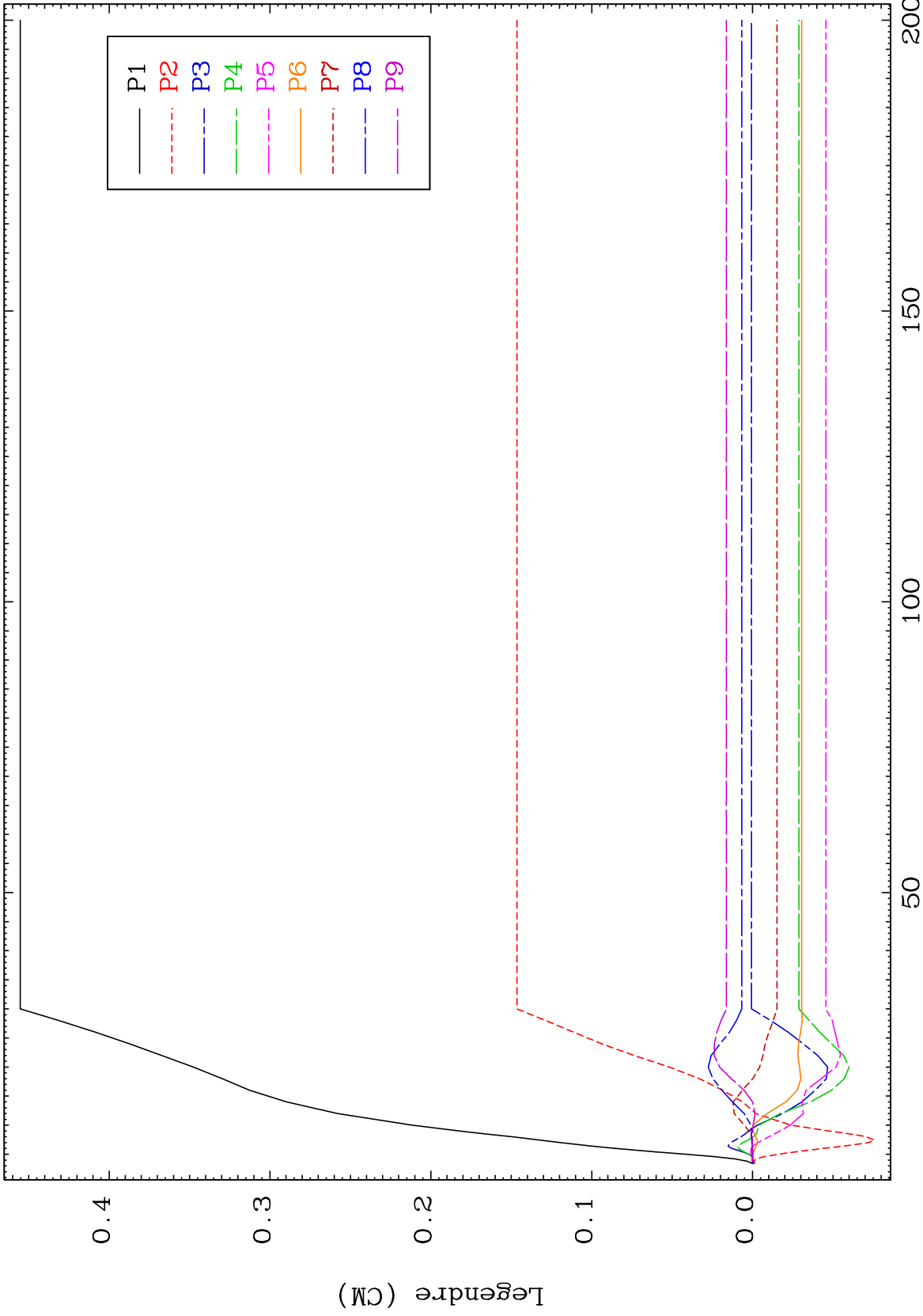
Incident Energy (MeV)

54-Xe-141

MAT 5476

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

54-Xe-141



85

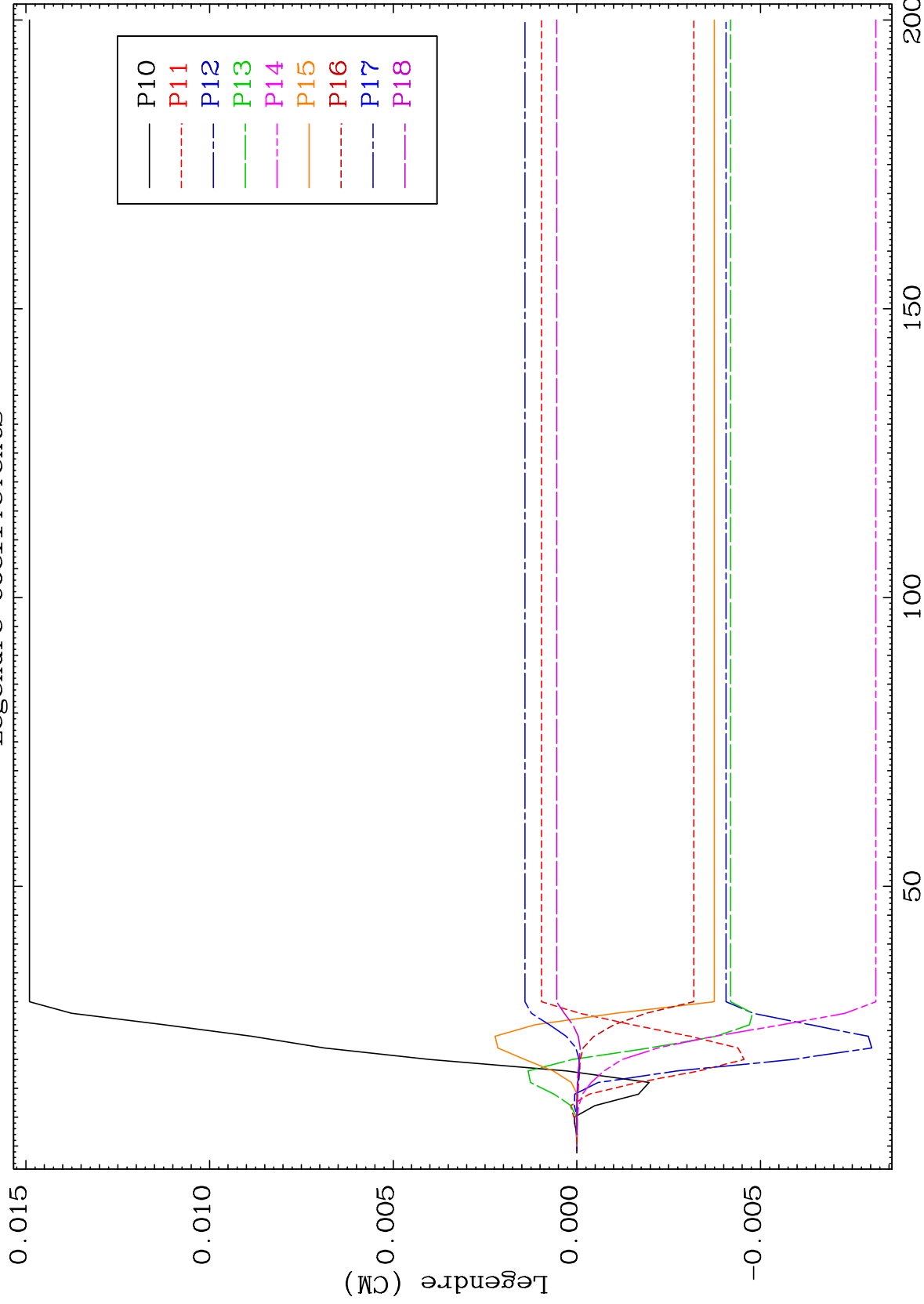
Incident Energy (MeV)

54-Xe-141

MAT 5476

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

54-Xe-141



86

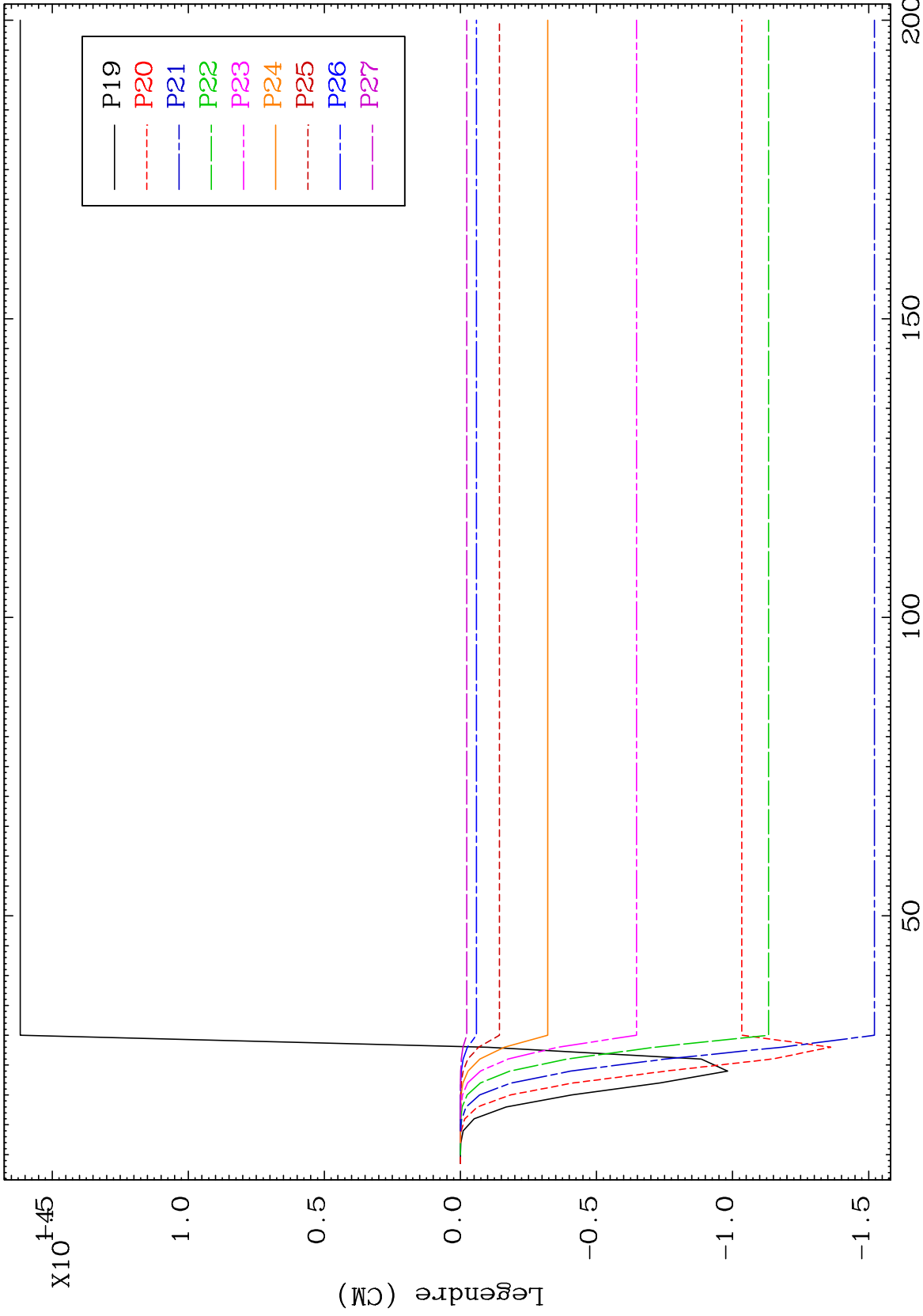
Incident Energy (MeV)

54-Xe-141

MAT 5476

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

54-Xe-141

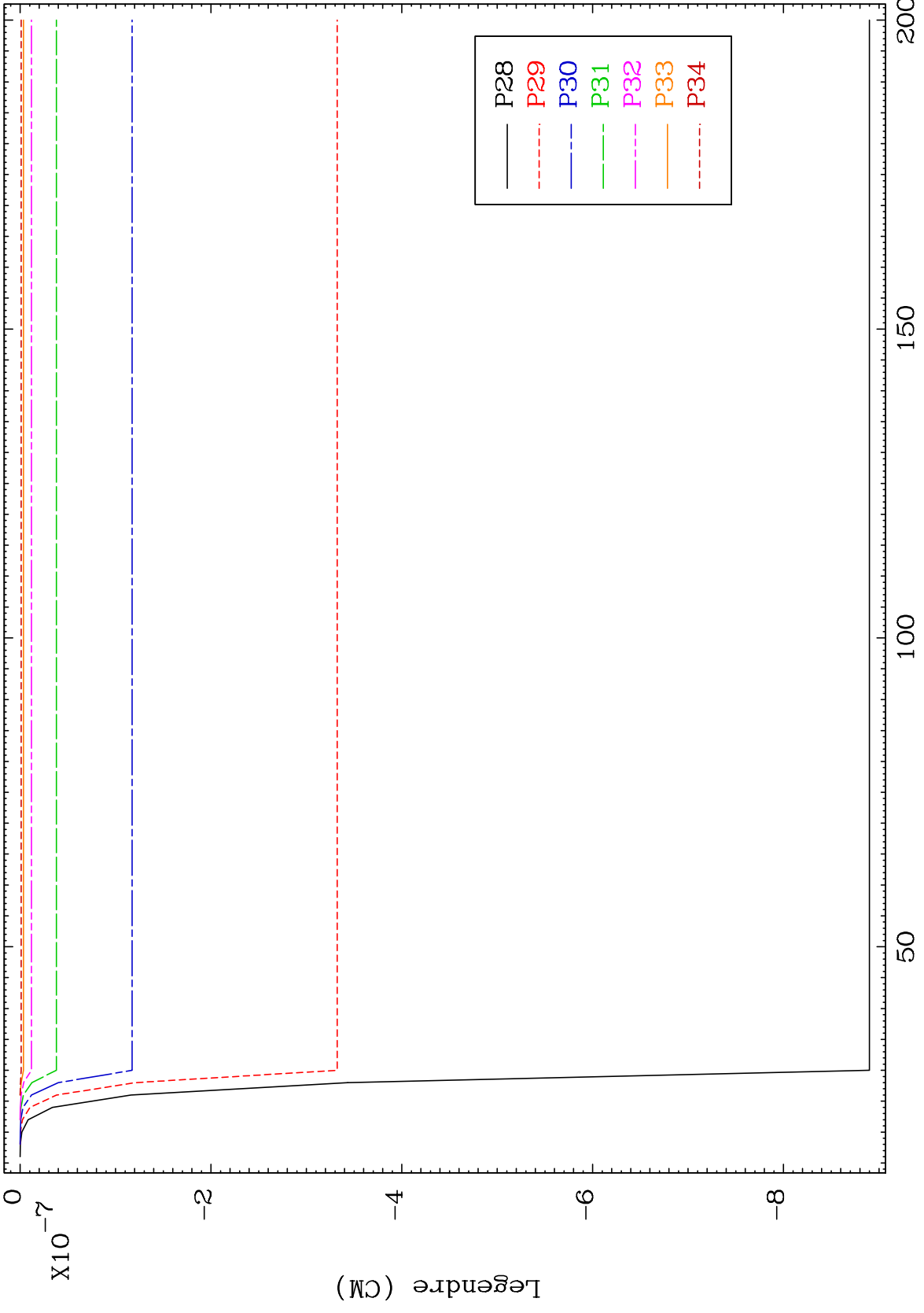


87

54-Xe-141



MAT 5476 MT= 69 (n,n') Level Legendre Coefficients 54-Xe-141

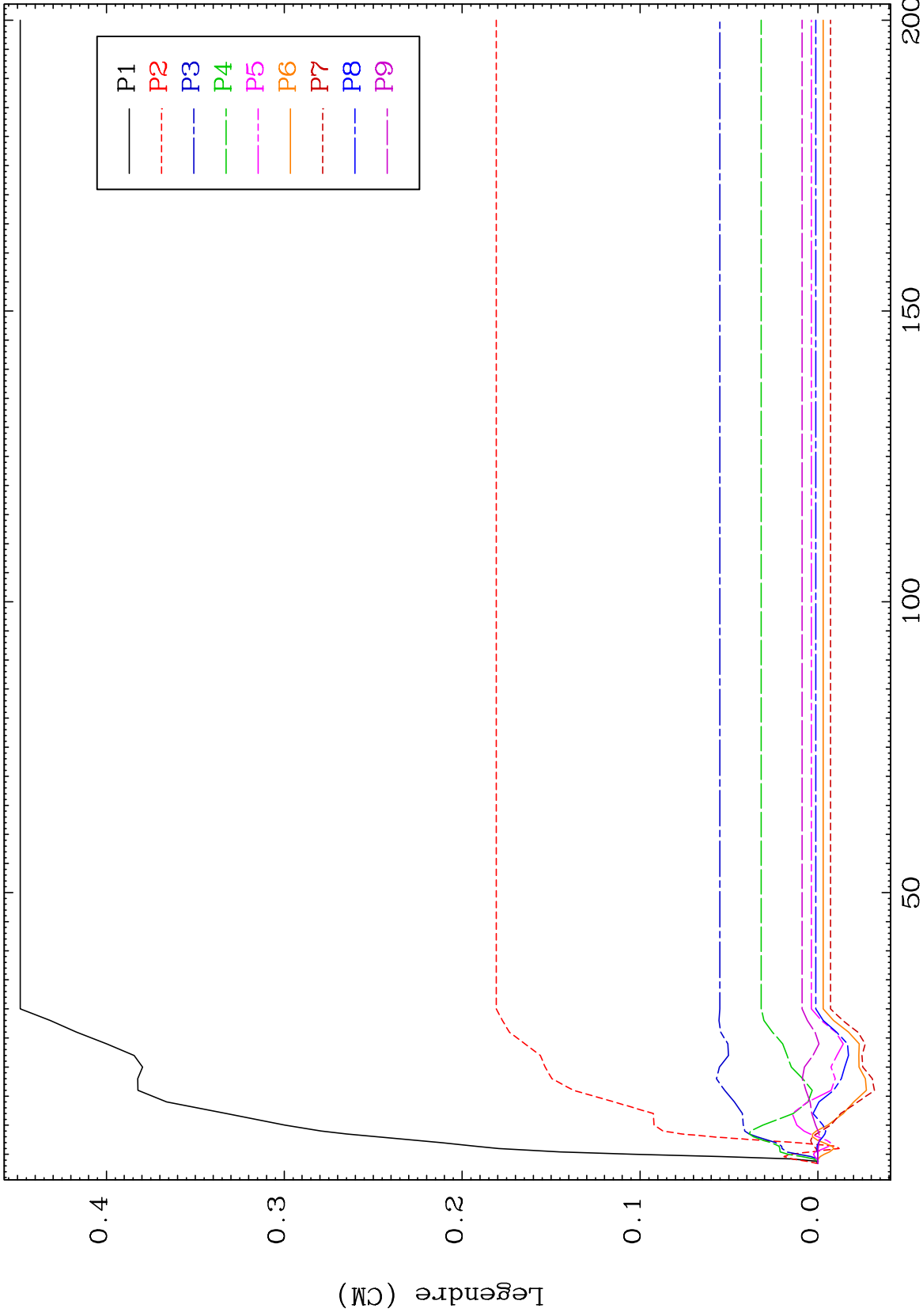


88 54-Xe-141

MAT 5476

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

54-Xe-141



89

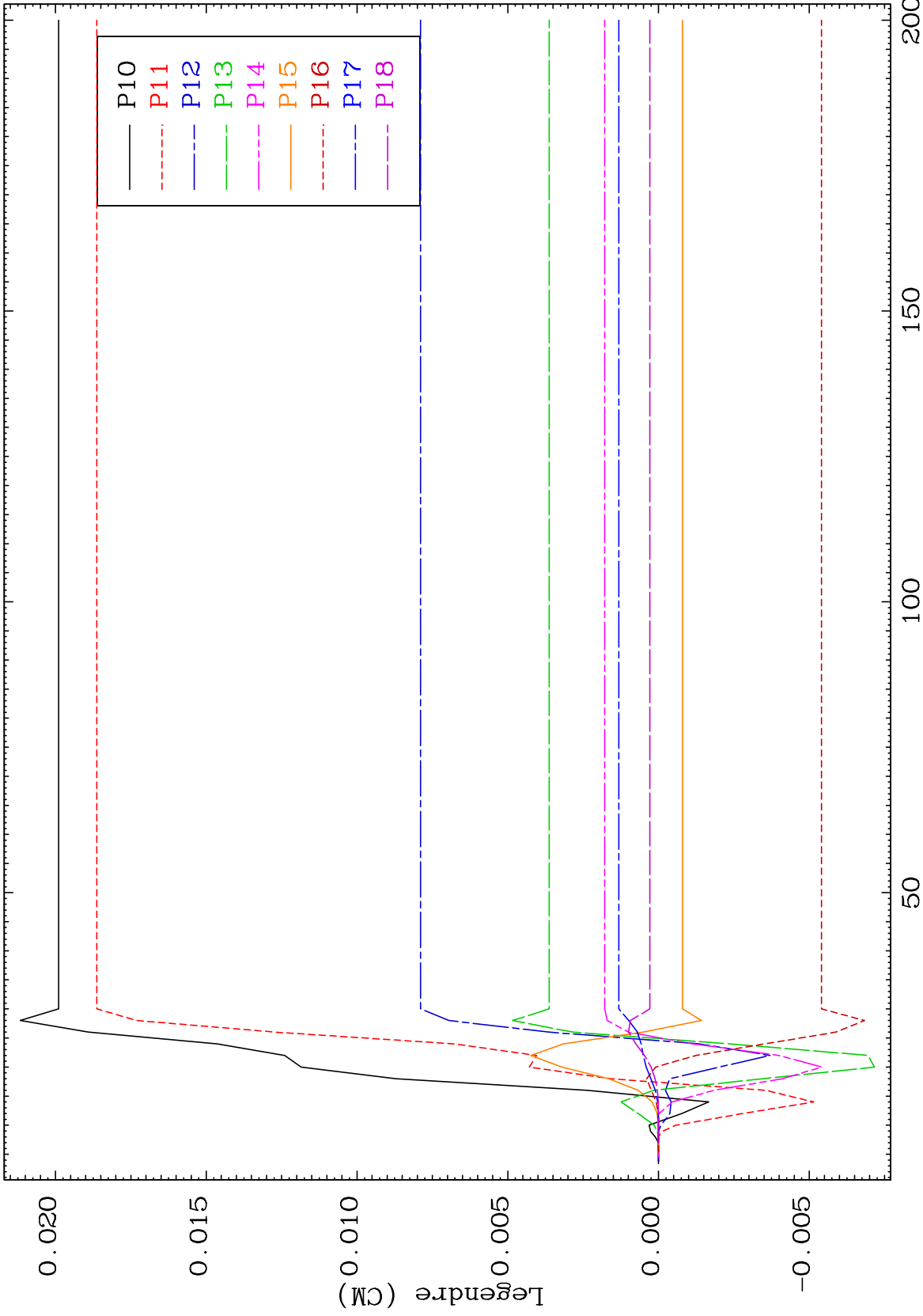
Incident Energy (MeV)

54-Xe-141

MAT 5476

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

54-Xe-141



90

Incident Energy (MeV)

50

100

150

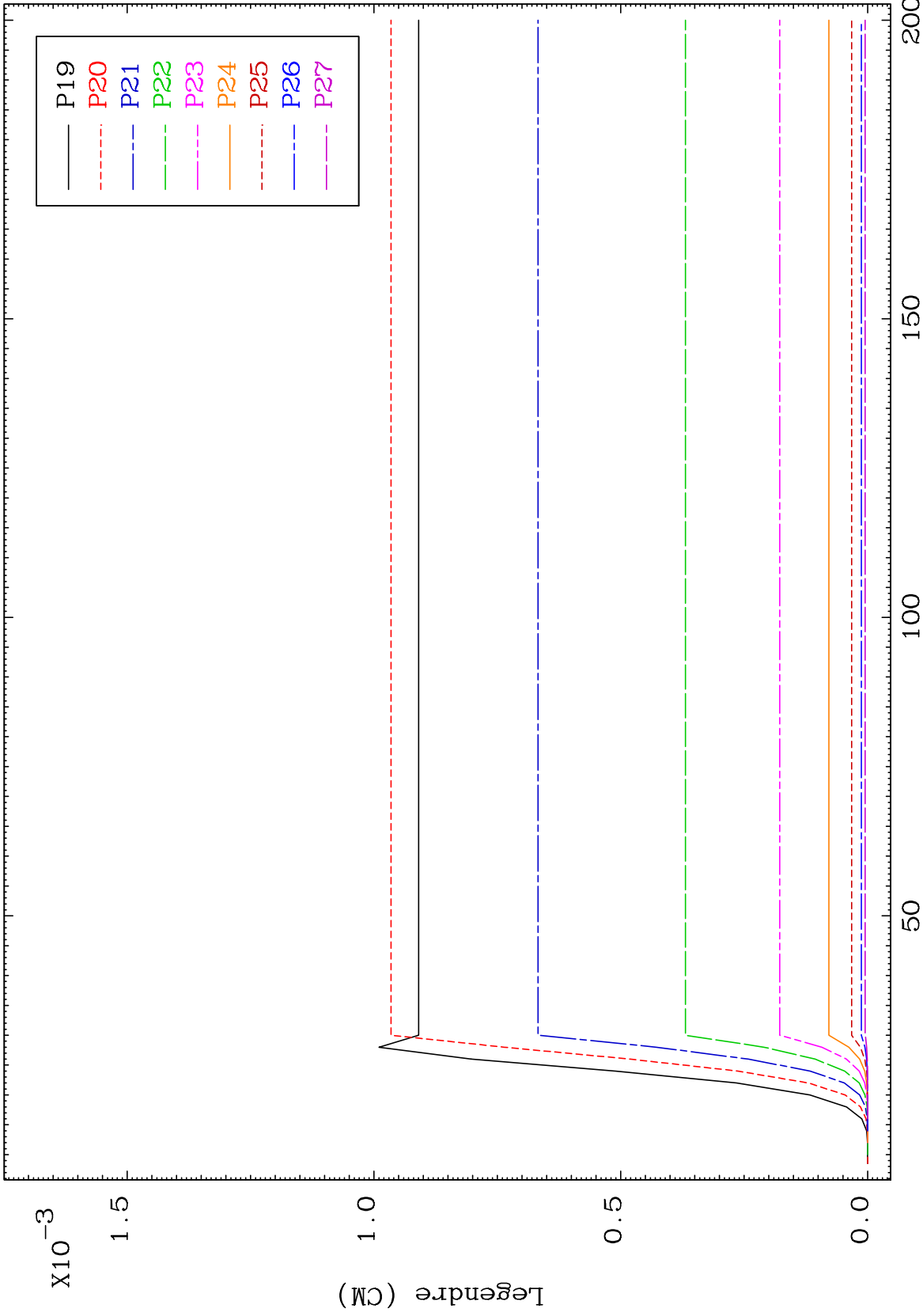
200

54-Xe-141

MAT 5476

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

54-Xe-141



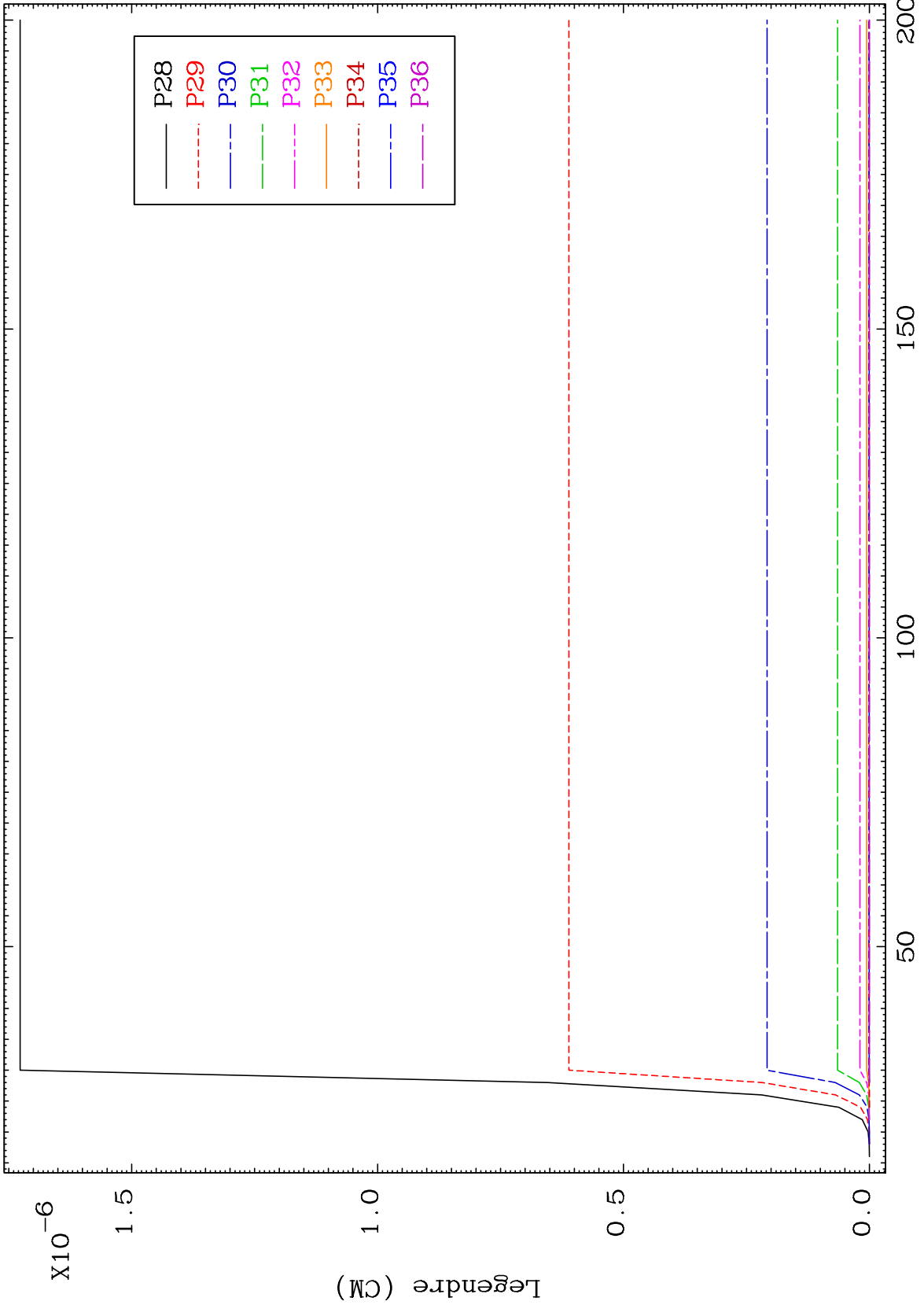
91

54-Xe-141

MAT 5476

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

54-Xe-141



92

54-Xe-141