

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

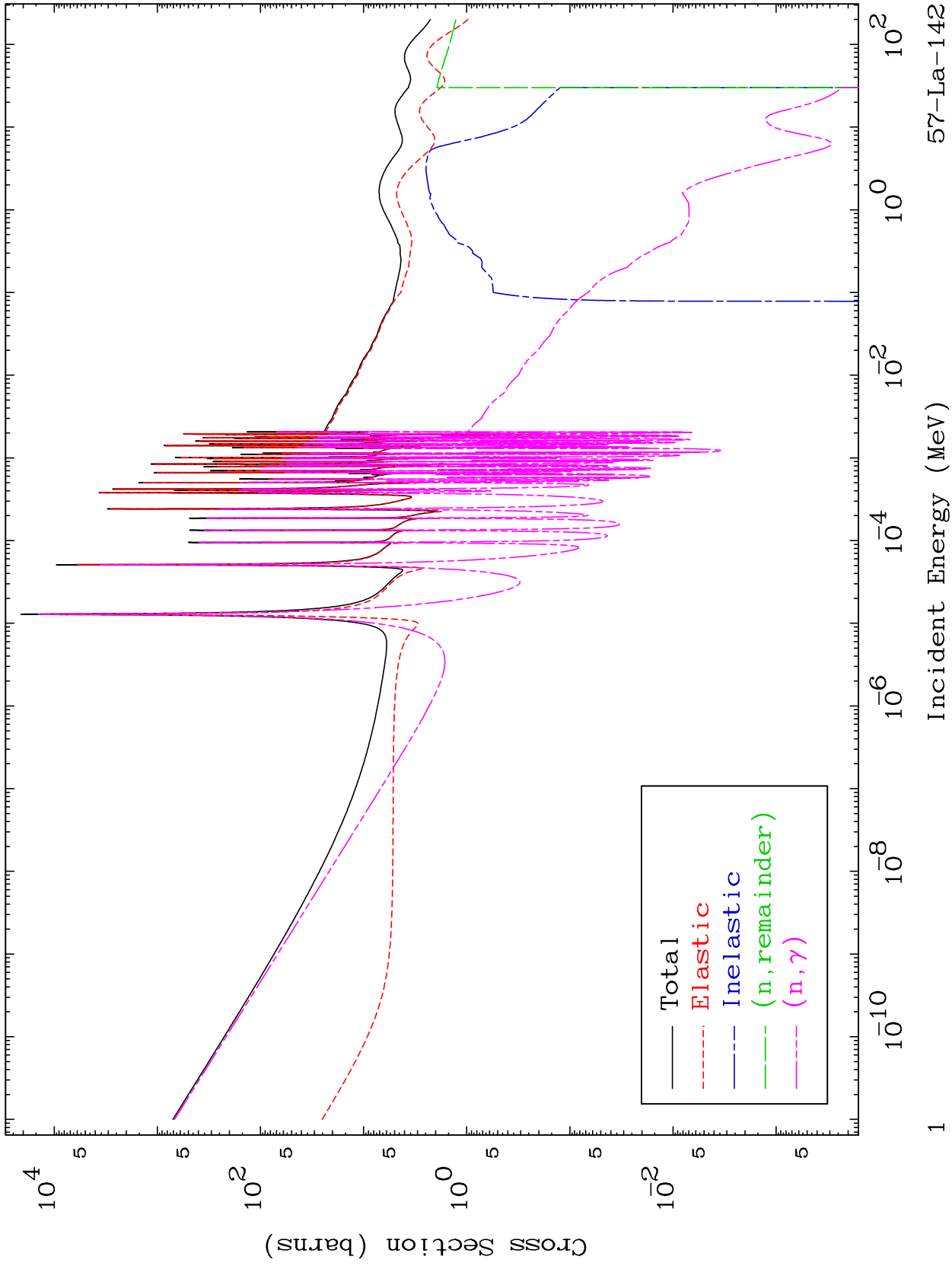
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5737

Major  
293 Kelvin Cross Sections

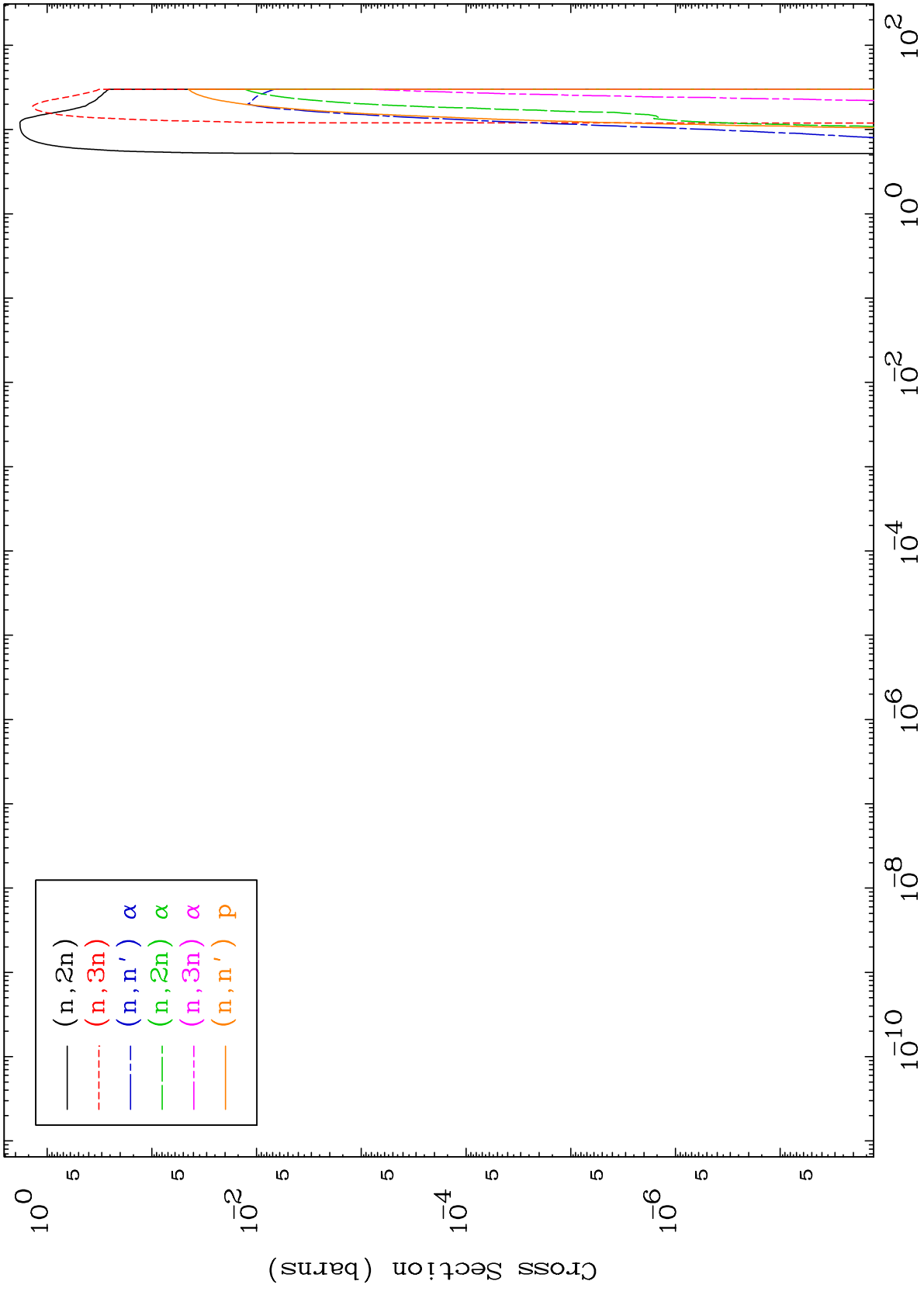
57-La-142



MAT 5737

Neutron Production  
293 Kelvin Cross Sections

57-La-142



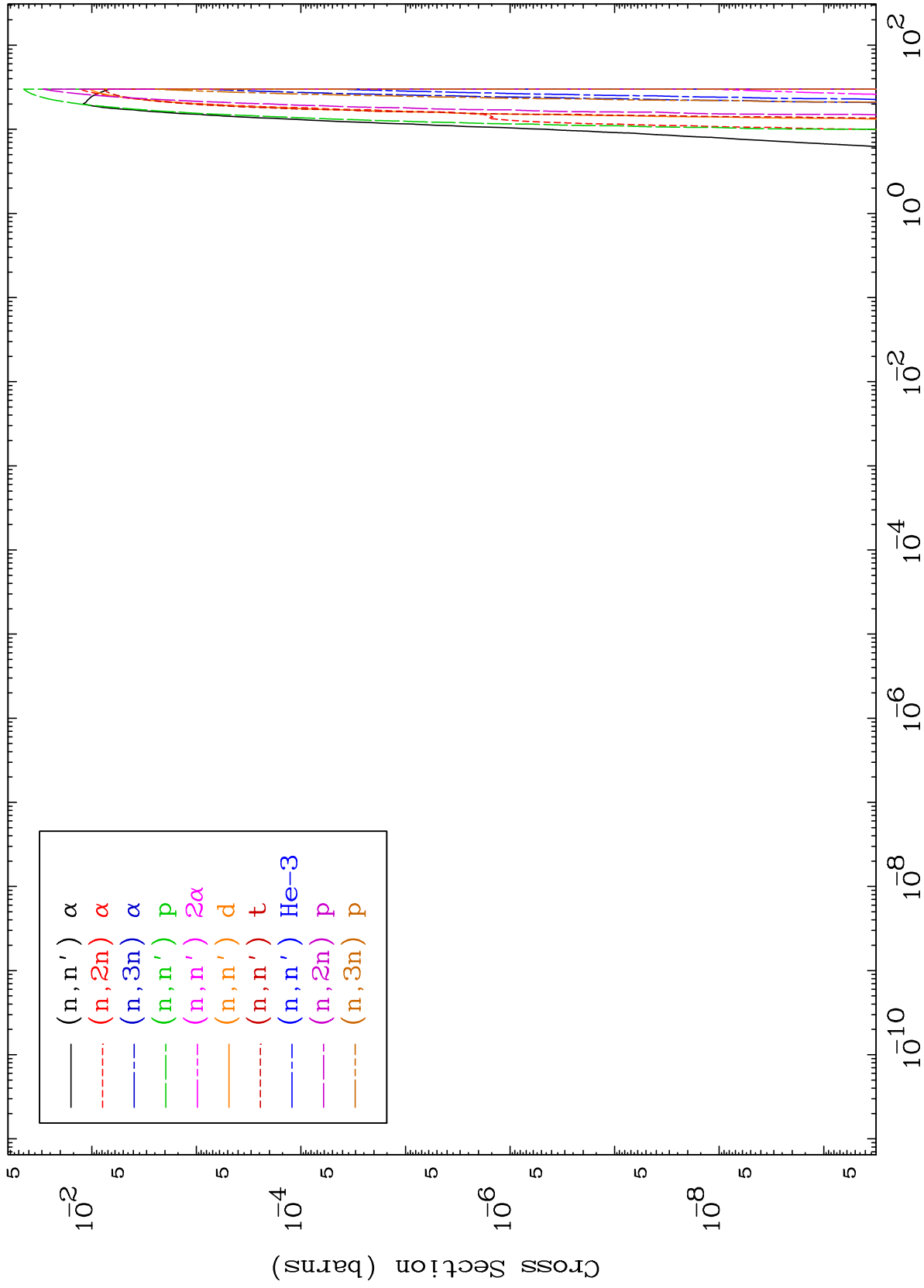
57-La-142



MAT 5737

Charged Particle  
293 Kelvin Cross Sections

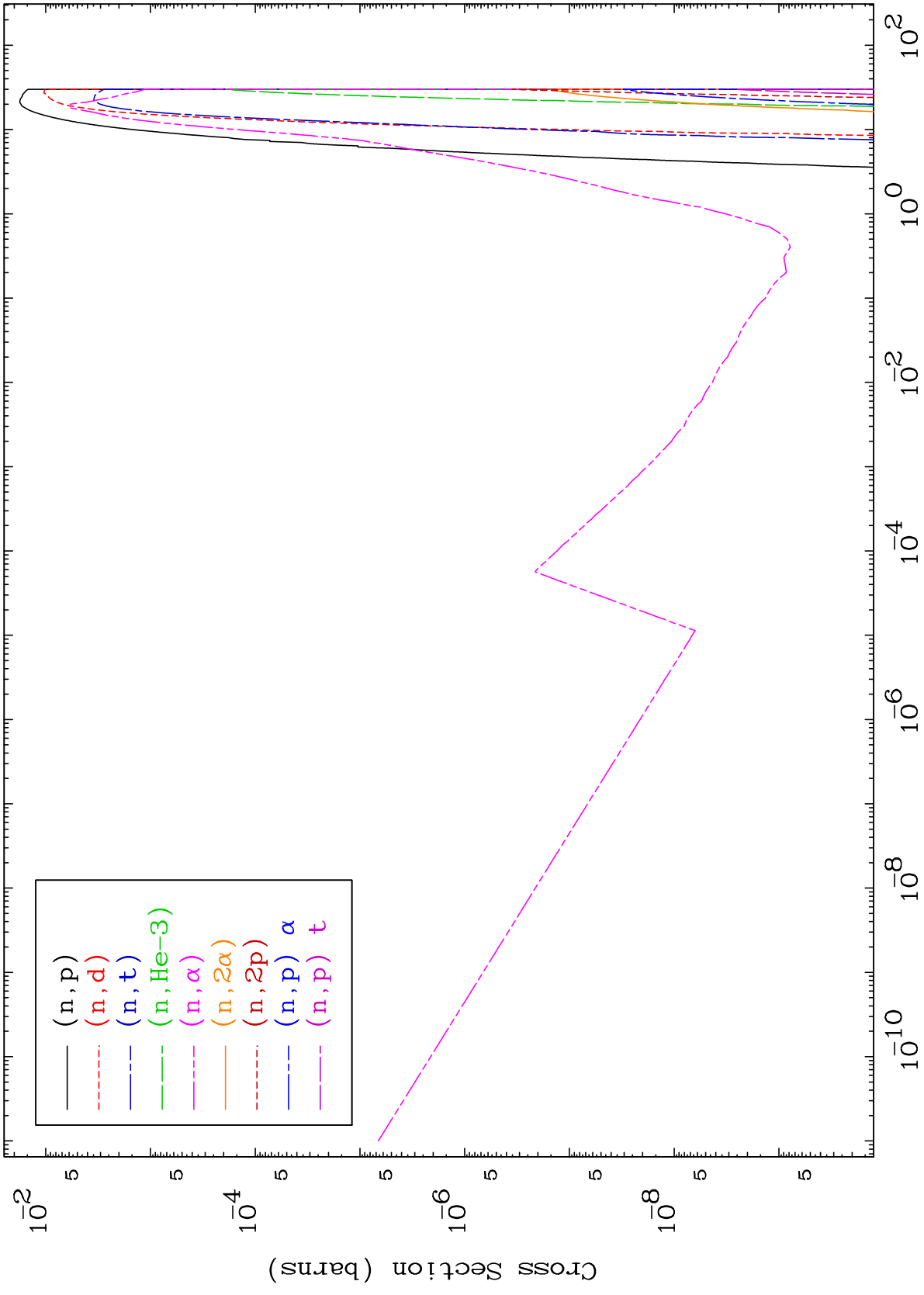
57-La-142



MAT 5737

293 Charged Particle  
Kelvin Cross Sections

57-La-142



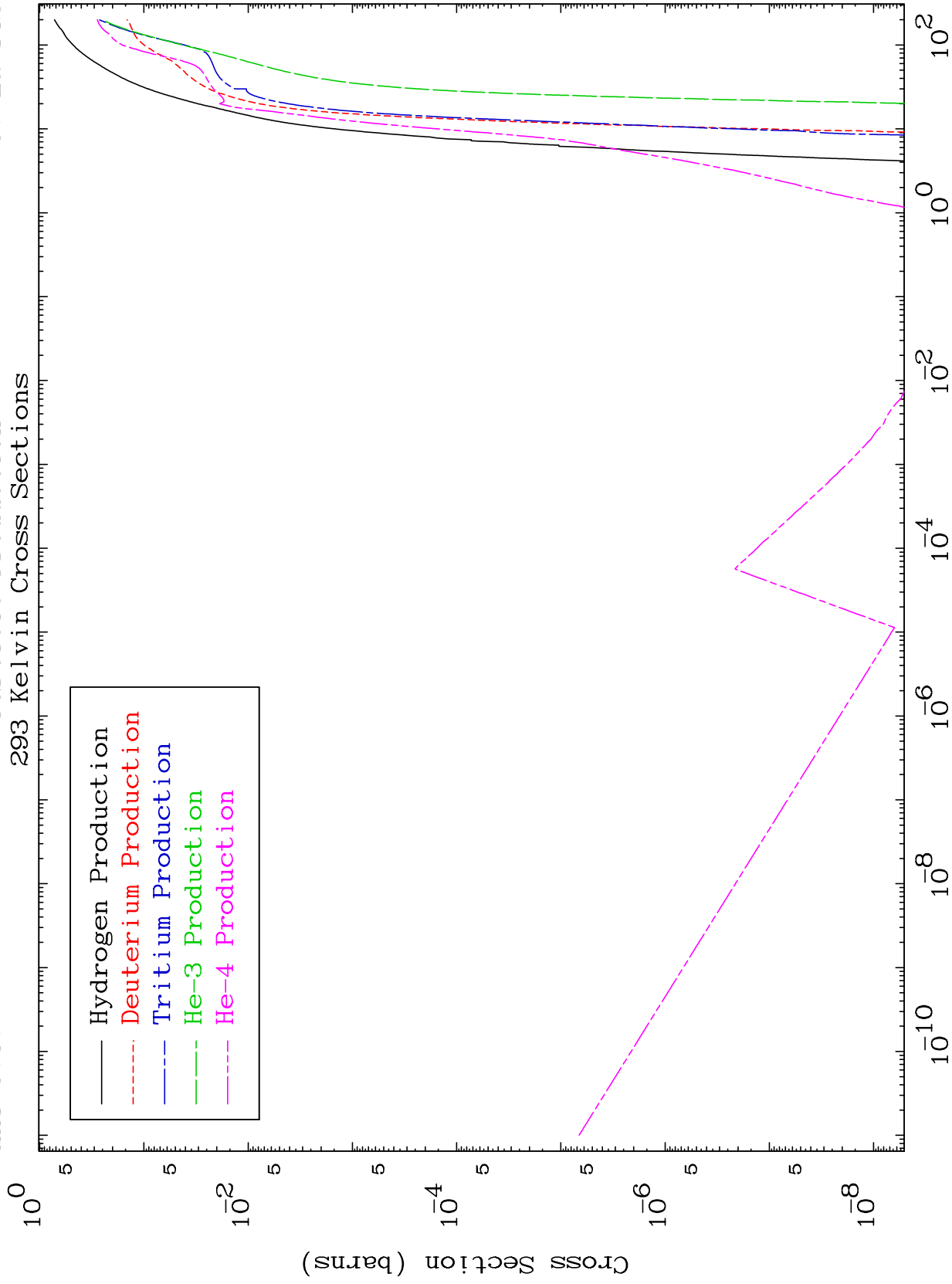
5

57-La-142

MAT 5737

Particle Production  
293 Kelvin Cross Sections

57-La-142



6

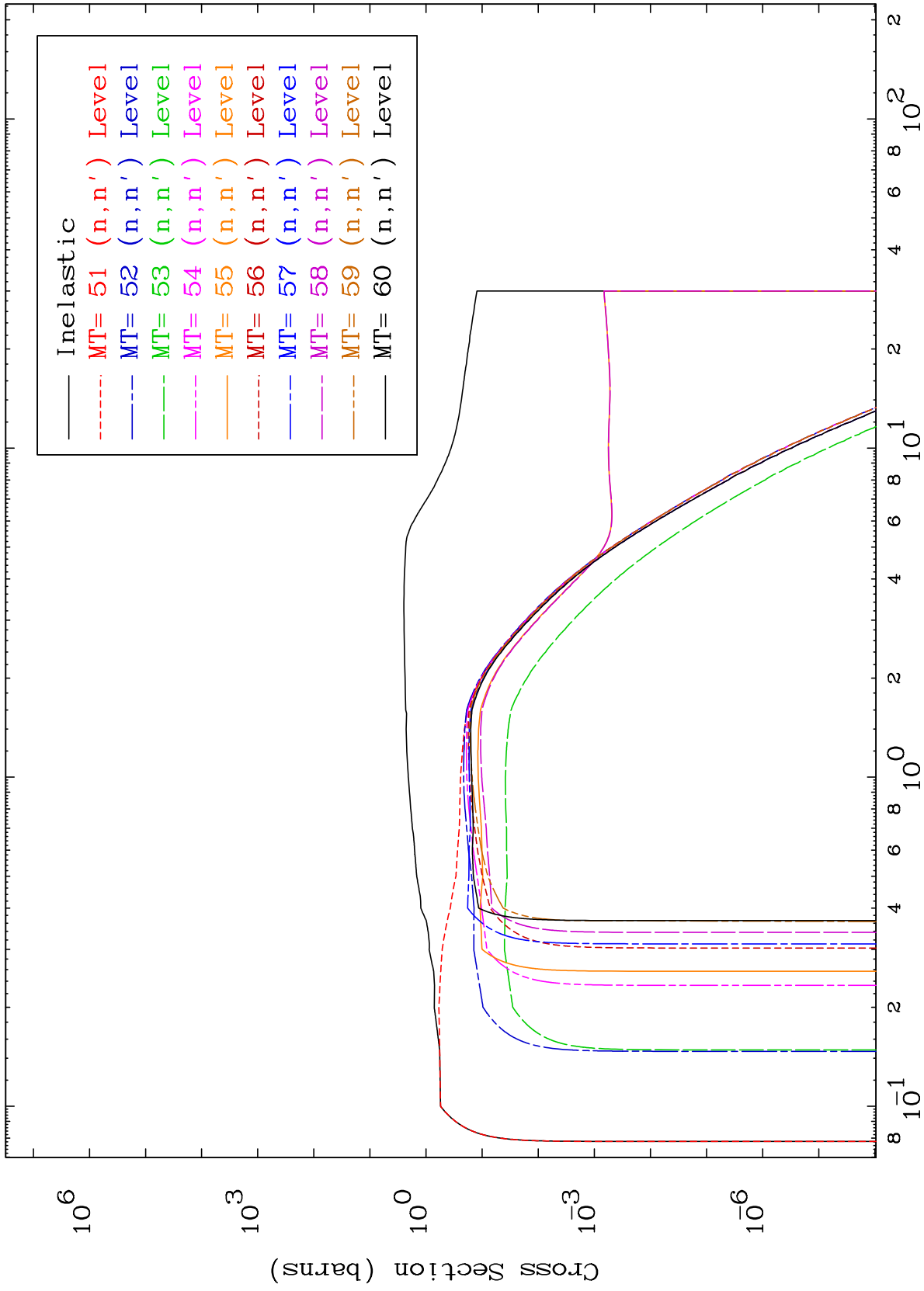
57-La-142

MAT 5737

(n,n') Level

57-La-142

293 Kelvin Cross Sections



7

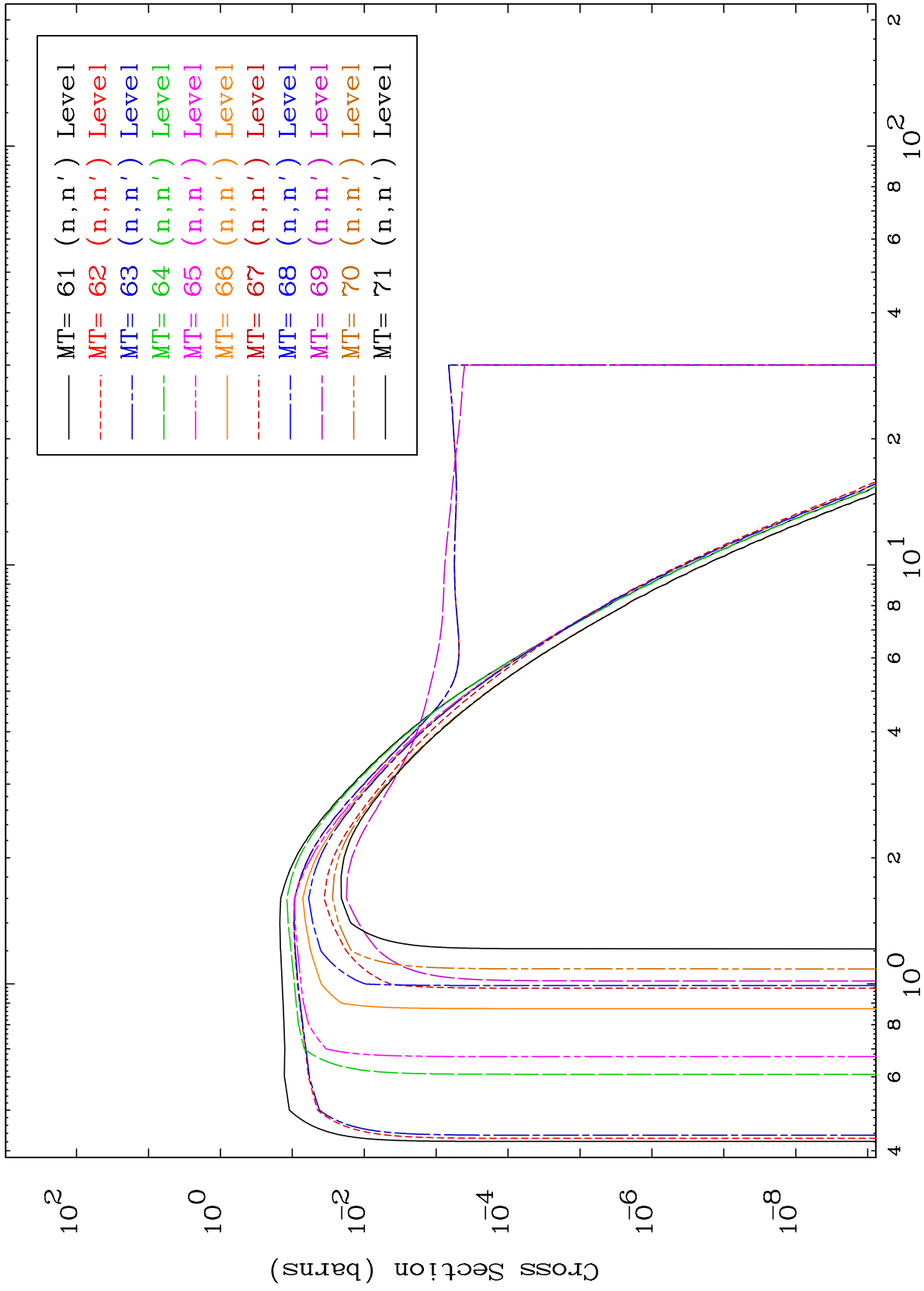
Incident Energy (MeV)

57-La-142

MAT 5737

(n,n') Level  
293 Kelvin Cross Sections

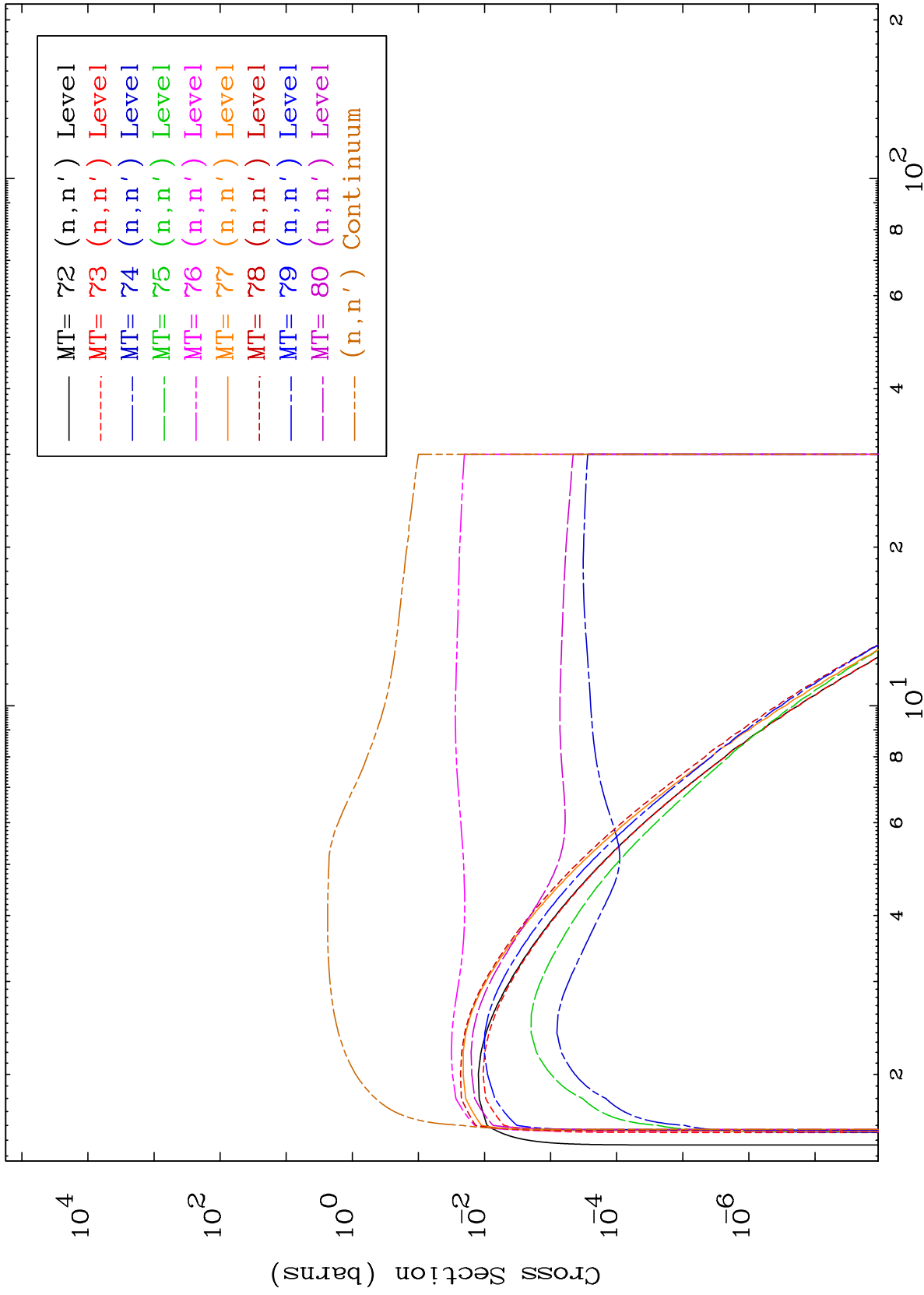
57-La-142



8

Incident Energy (MeV)

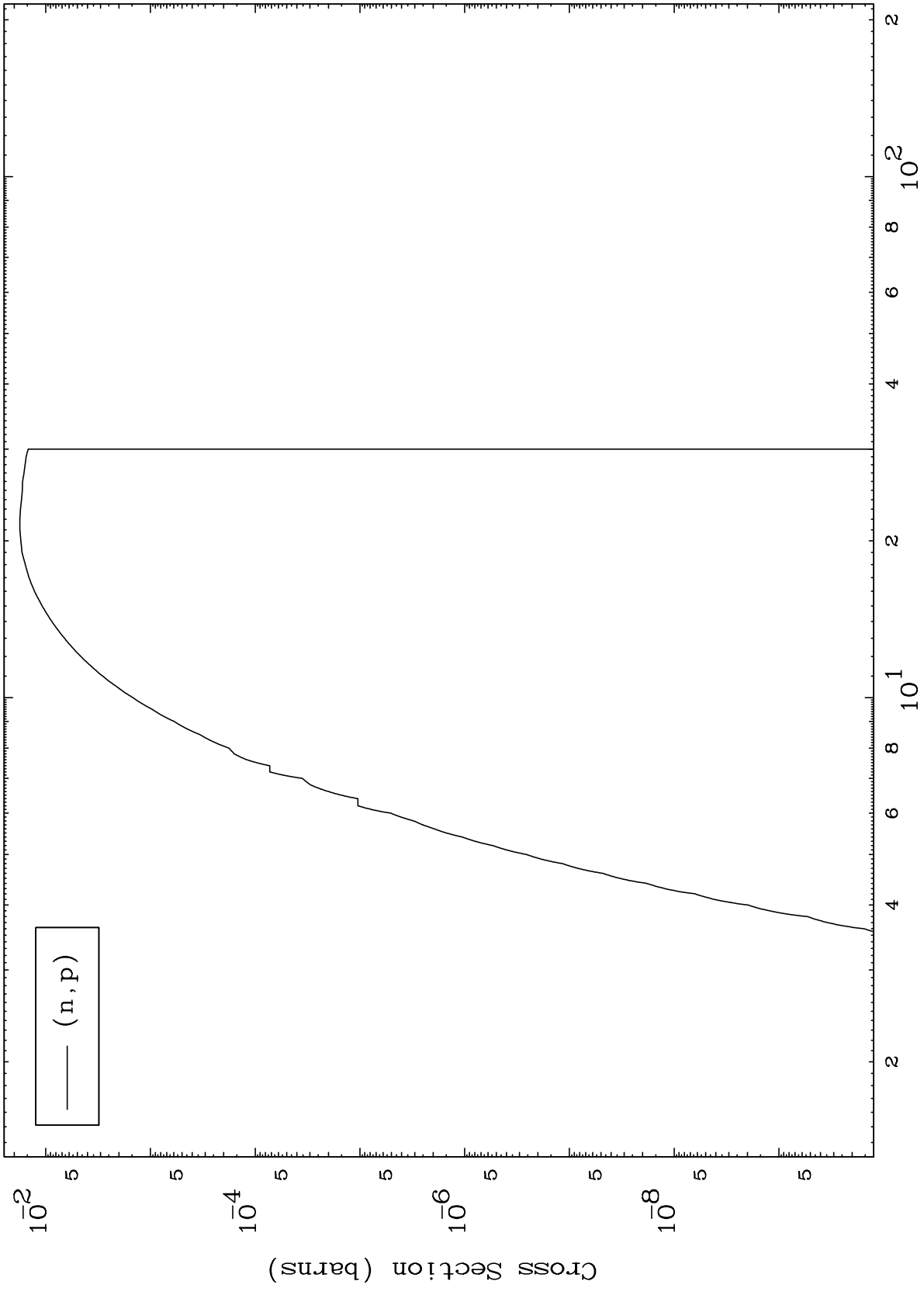
57-La-142



MAT 5737

(n,p) Levels  
293 Kelvin Cross Sections

57-La-142



10

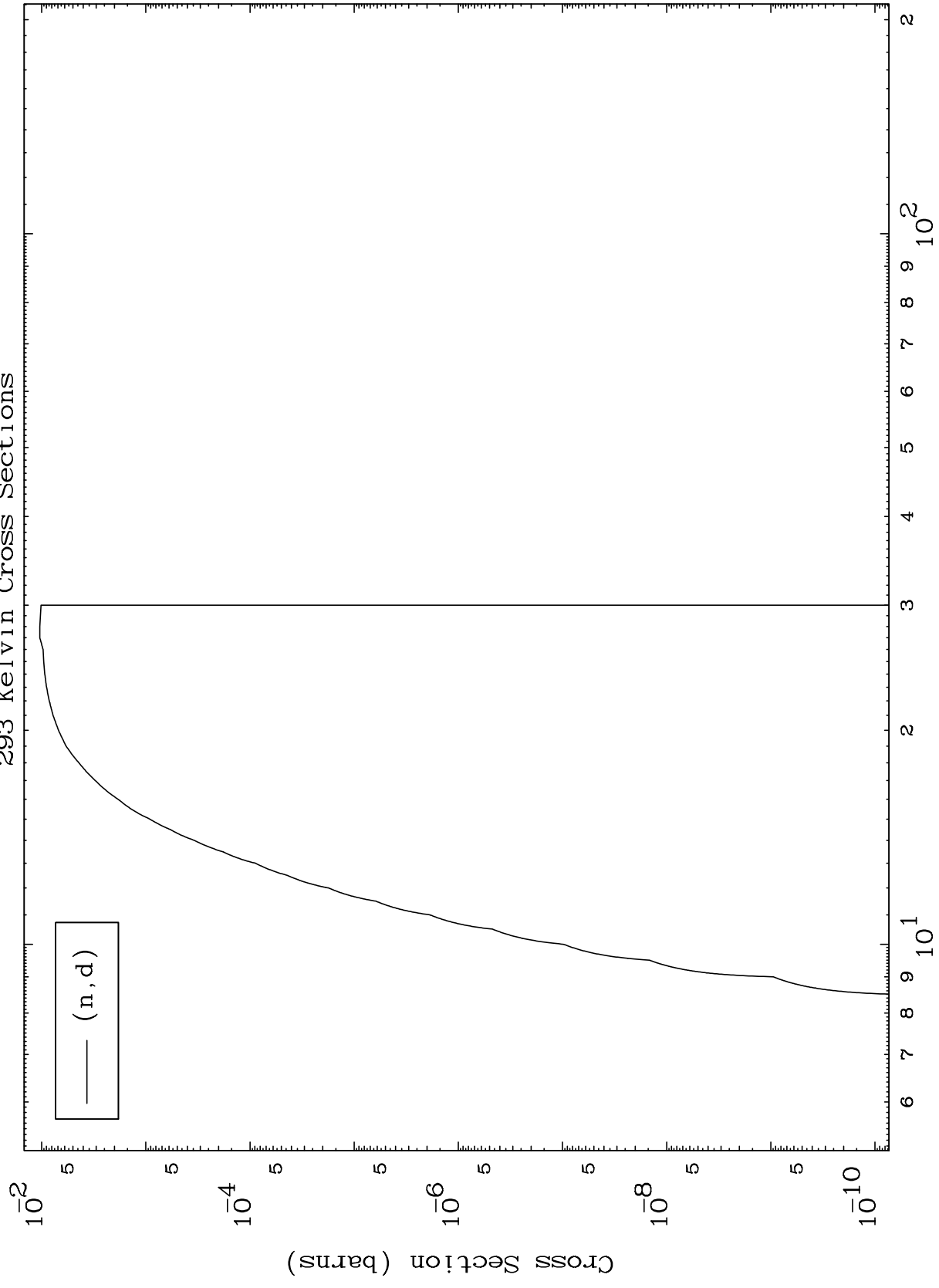
Incident Energy (MeV)

57-La-142

MAT 5737

(n,d) Levels  
293 Kelvin Cross Sections

57-La-142



11

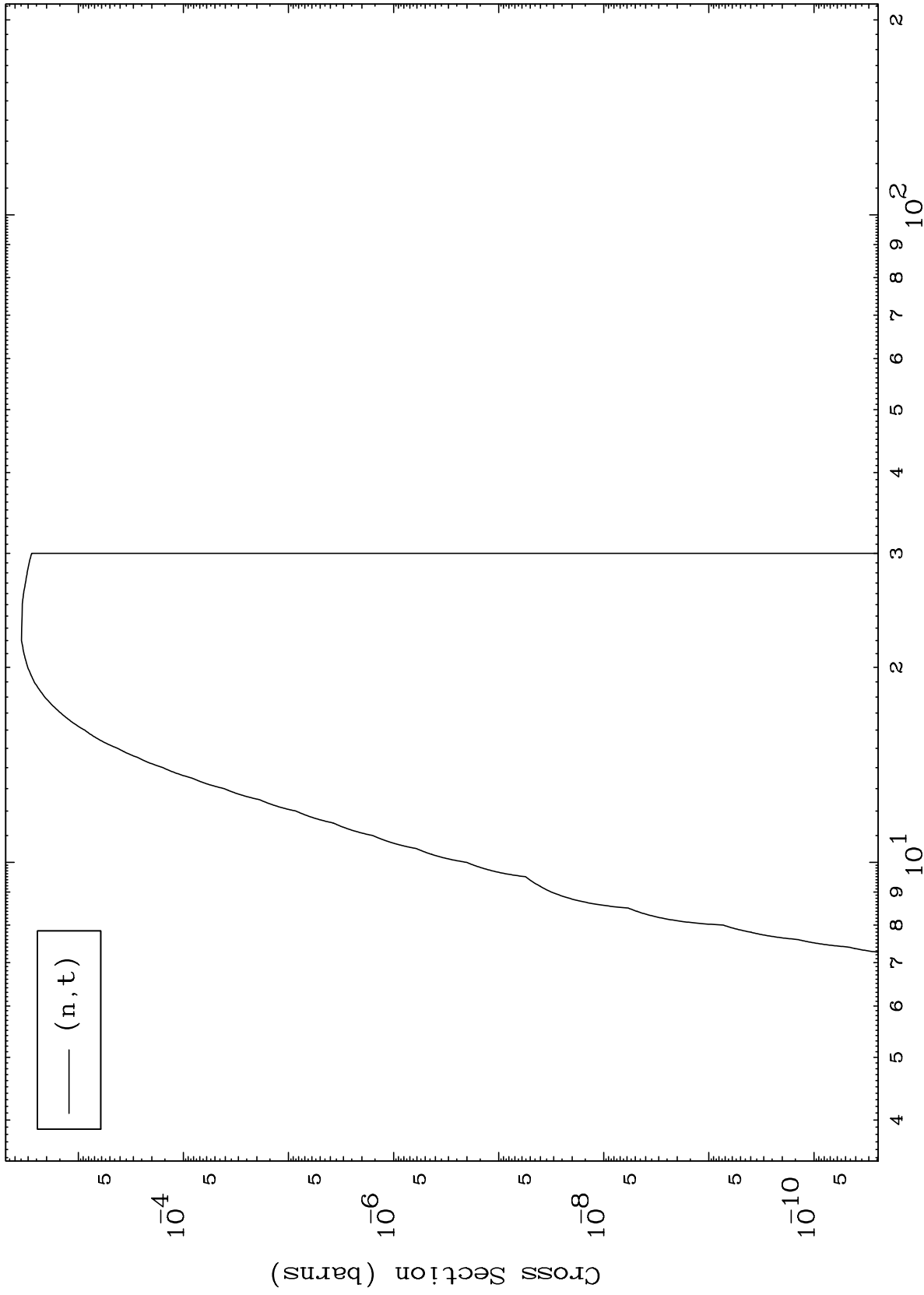
Incident Energy (MeV)

57-La-142

MAT 5737

(n,t) Levels  
293 Kelvin Cross Sections

57-La-142



12

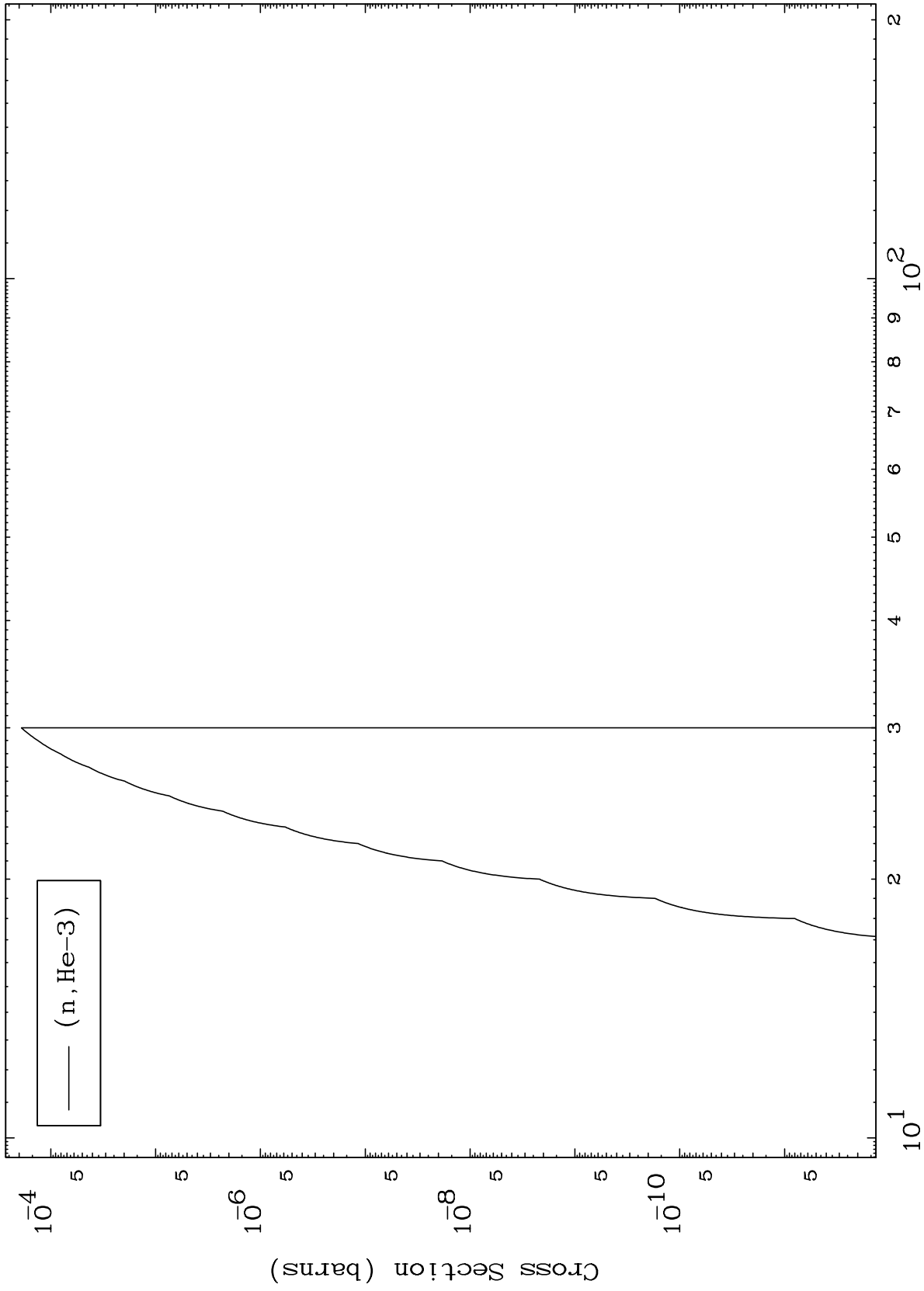
Incident Energy (MeV)

57-La-142

MAT 5737

(n,He3) Levels  
293 Kelvin Cross Sections

57-La-142



13

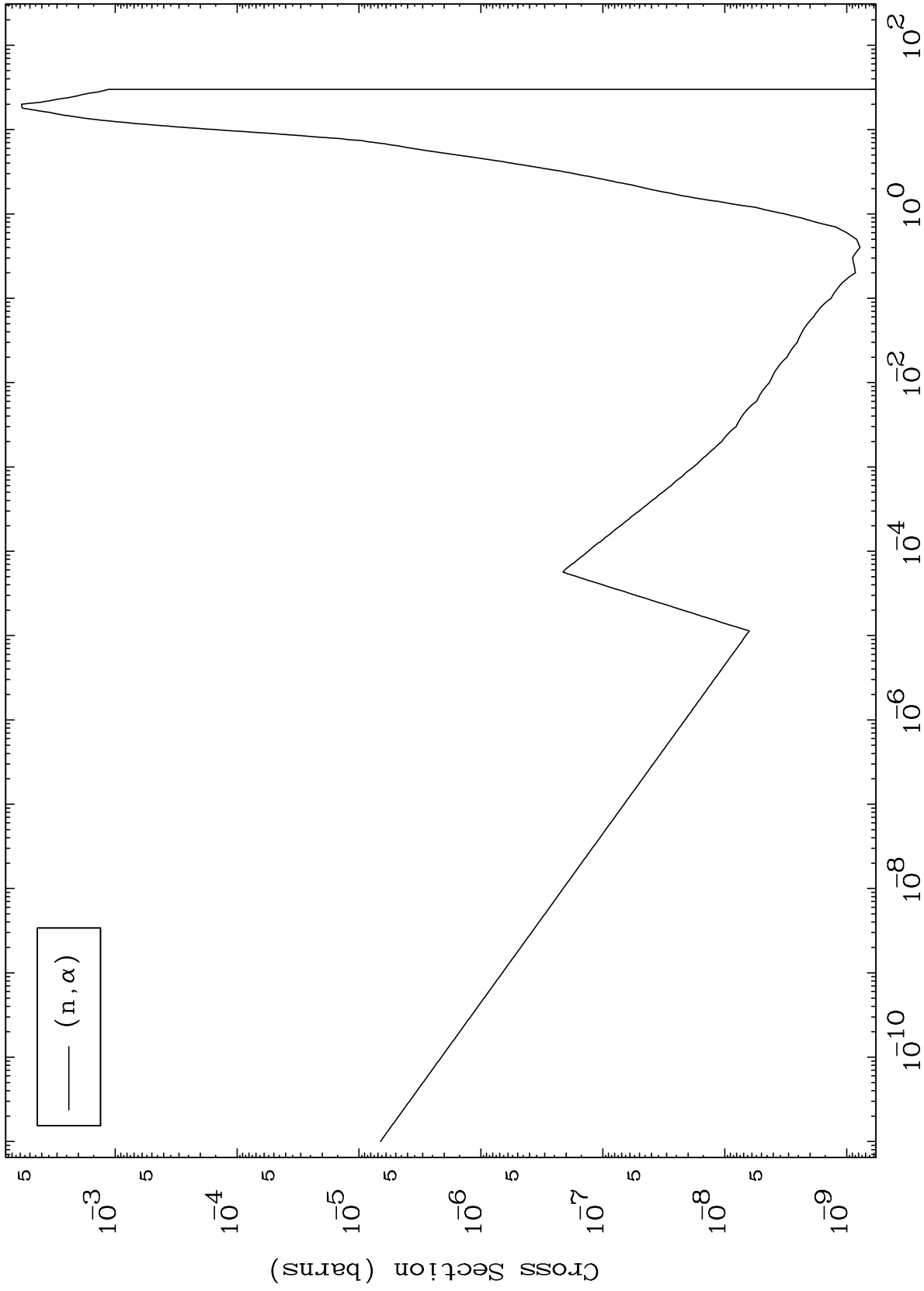
Incident Energy (MeV)

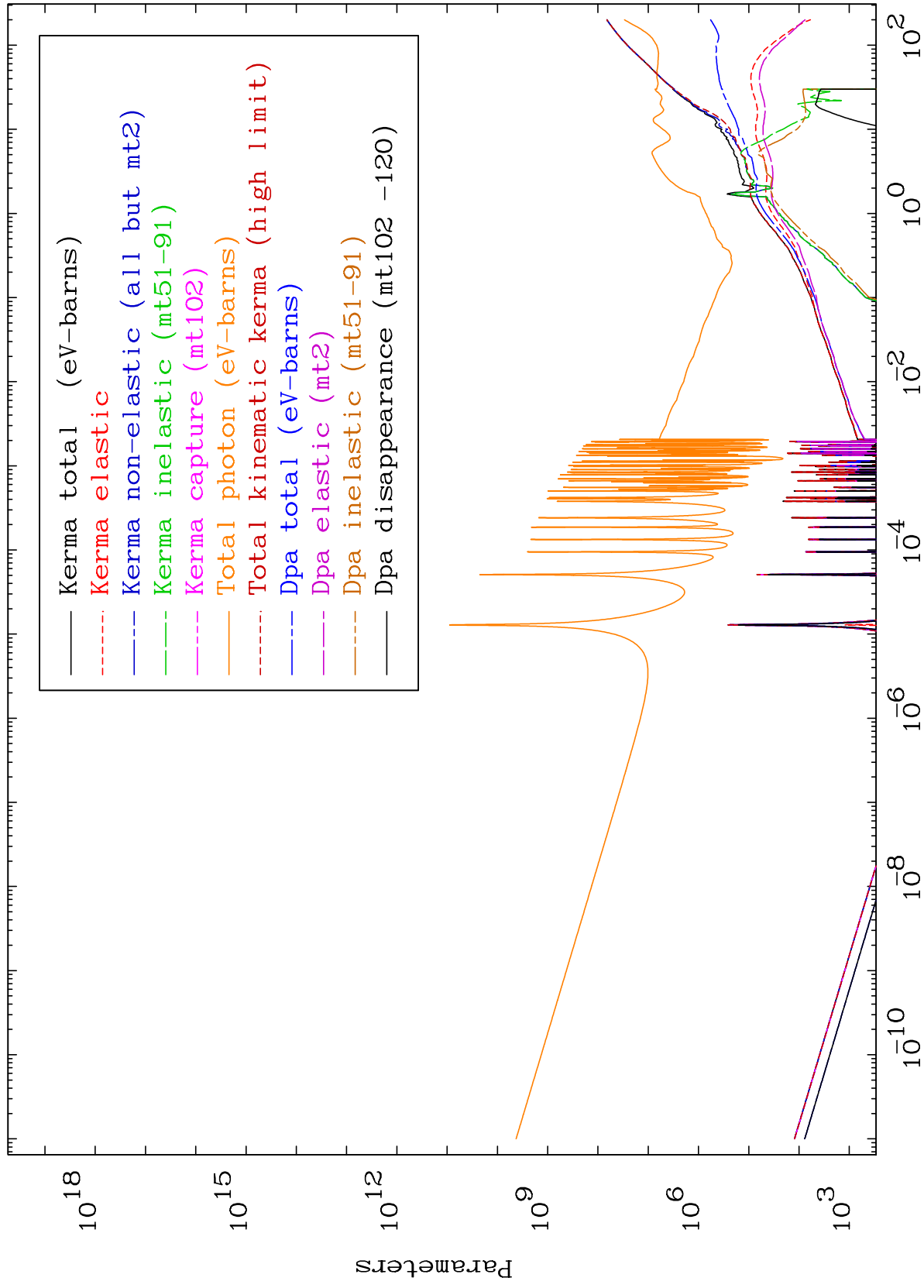
57-La-142

MAT 5737

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

57-La-142

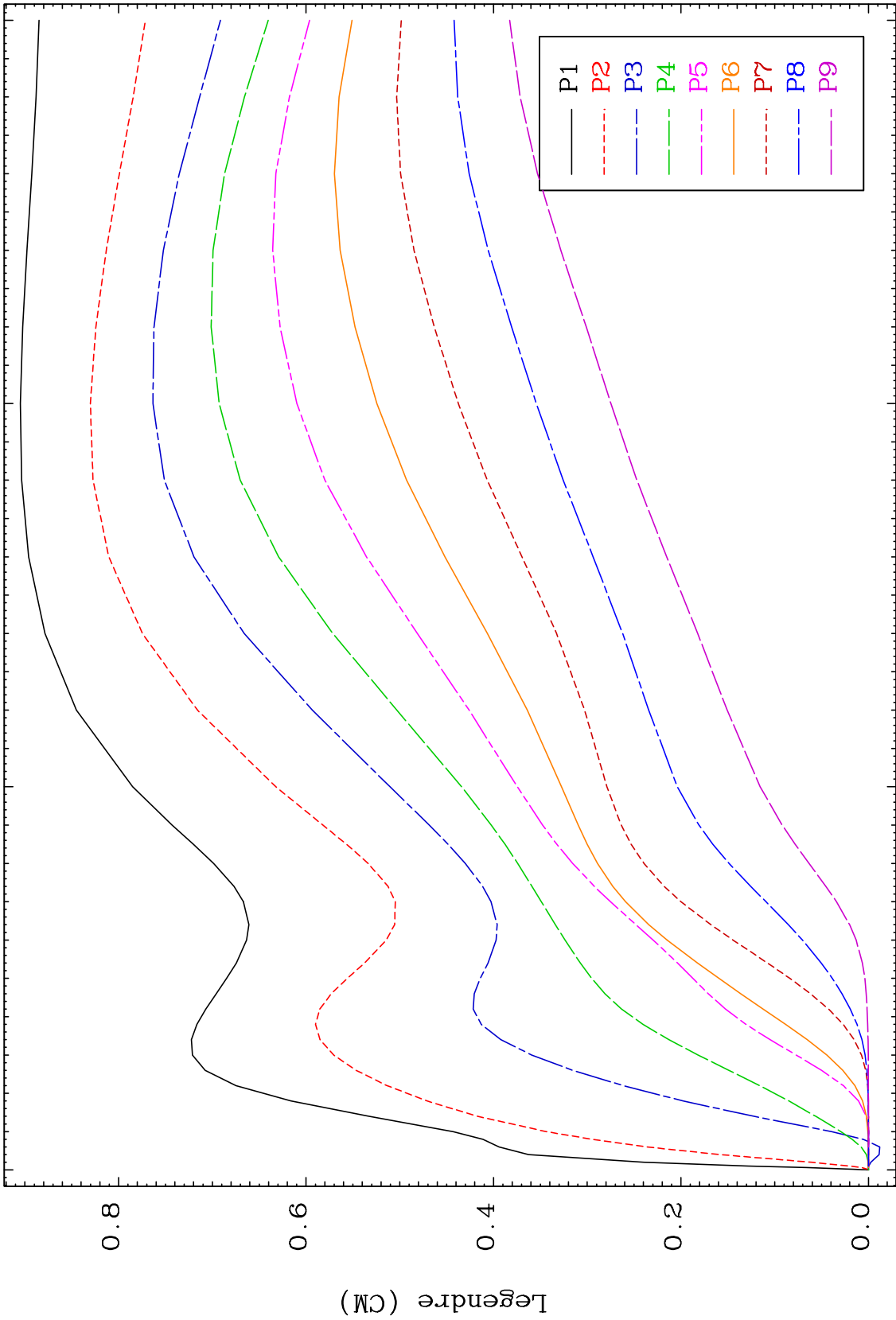




MAT 5737

Elastic Legendre Coefficients

57-La-142



16

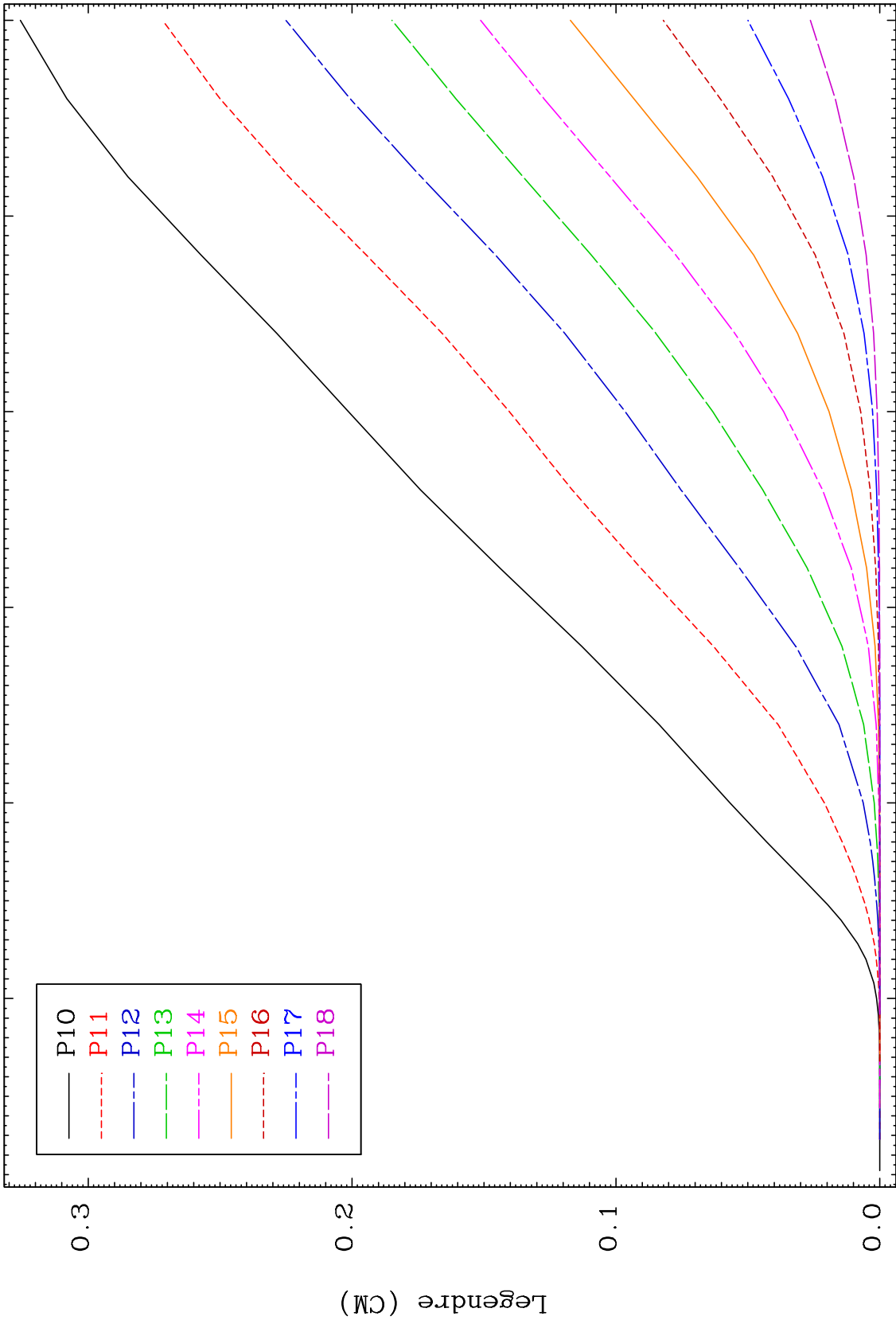
Incident Energy (MeV)

57-La-142

MAT 5737

Elastic Legendre Coefficients

57-La-142



17

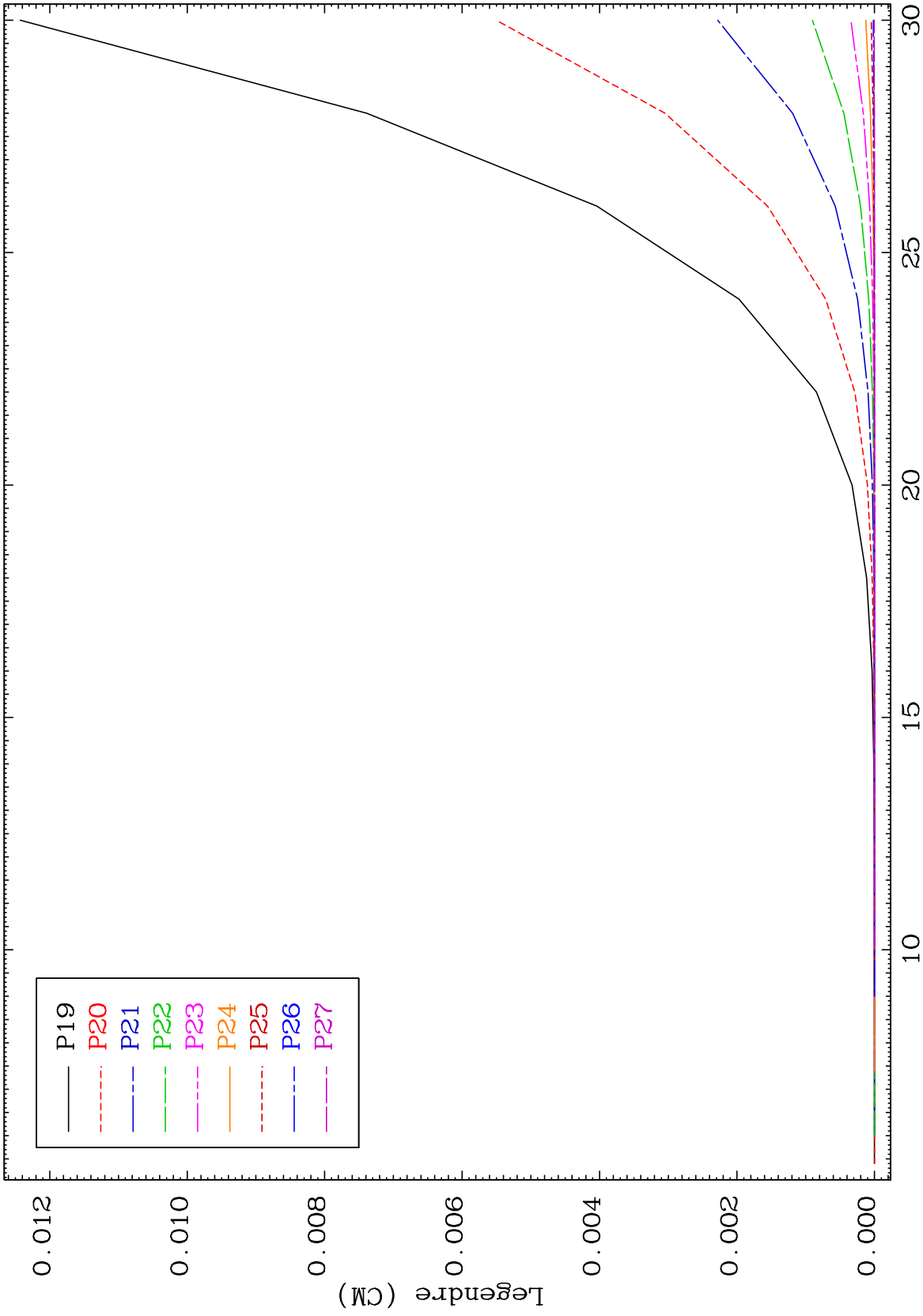
Incident Energy (MeV)

57-La-142

MAT 5737

### Elastic Legendre Coefficients

57-La-142



18

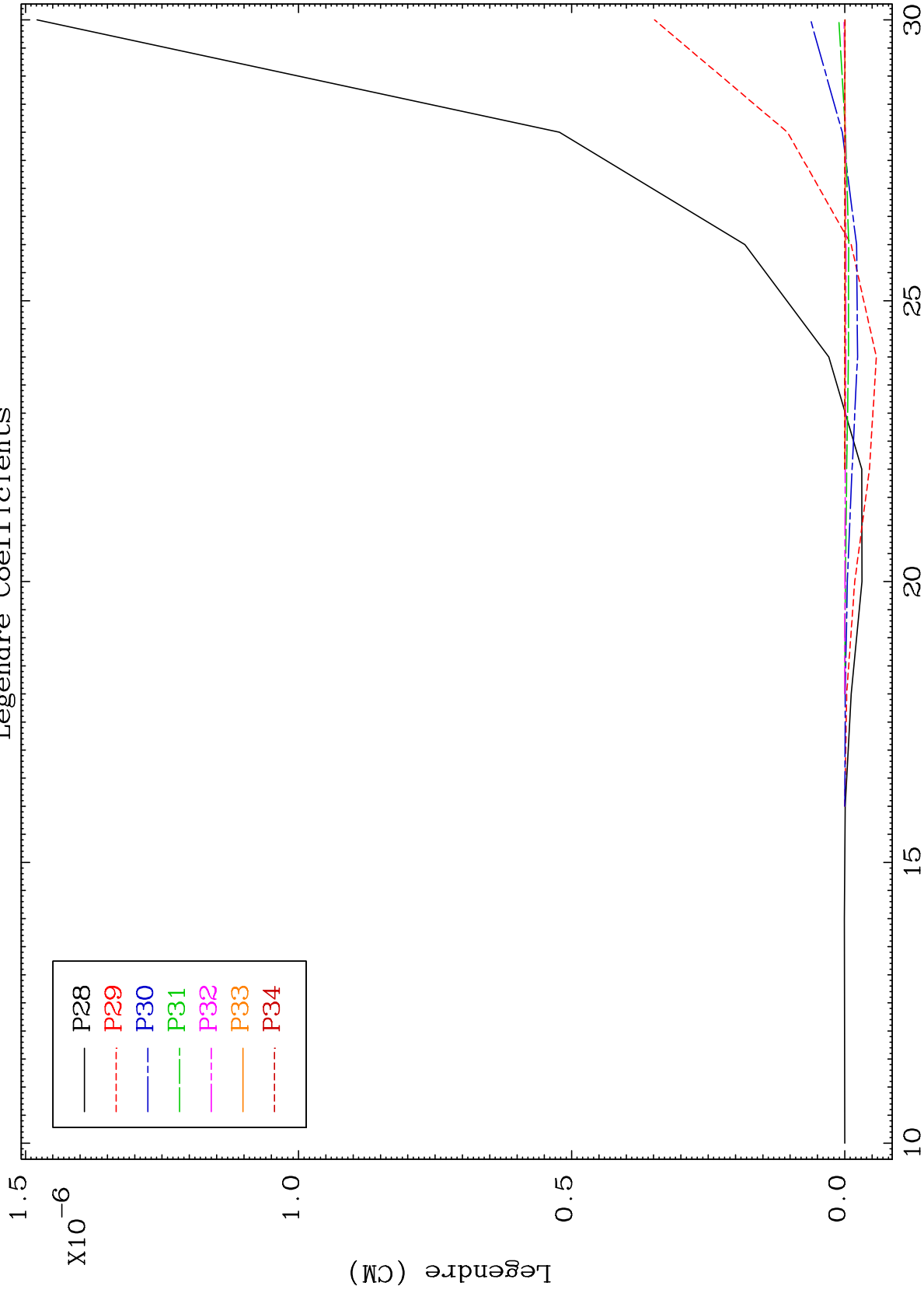
Incident Energy (MeV)

57-La-142

MAT 5737

Elastic Legendre Coefficients

57-La-142



19

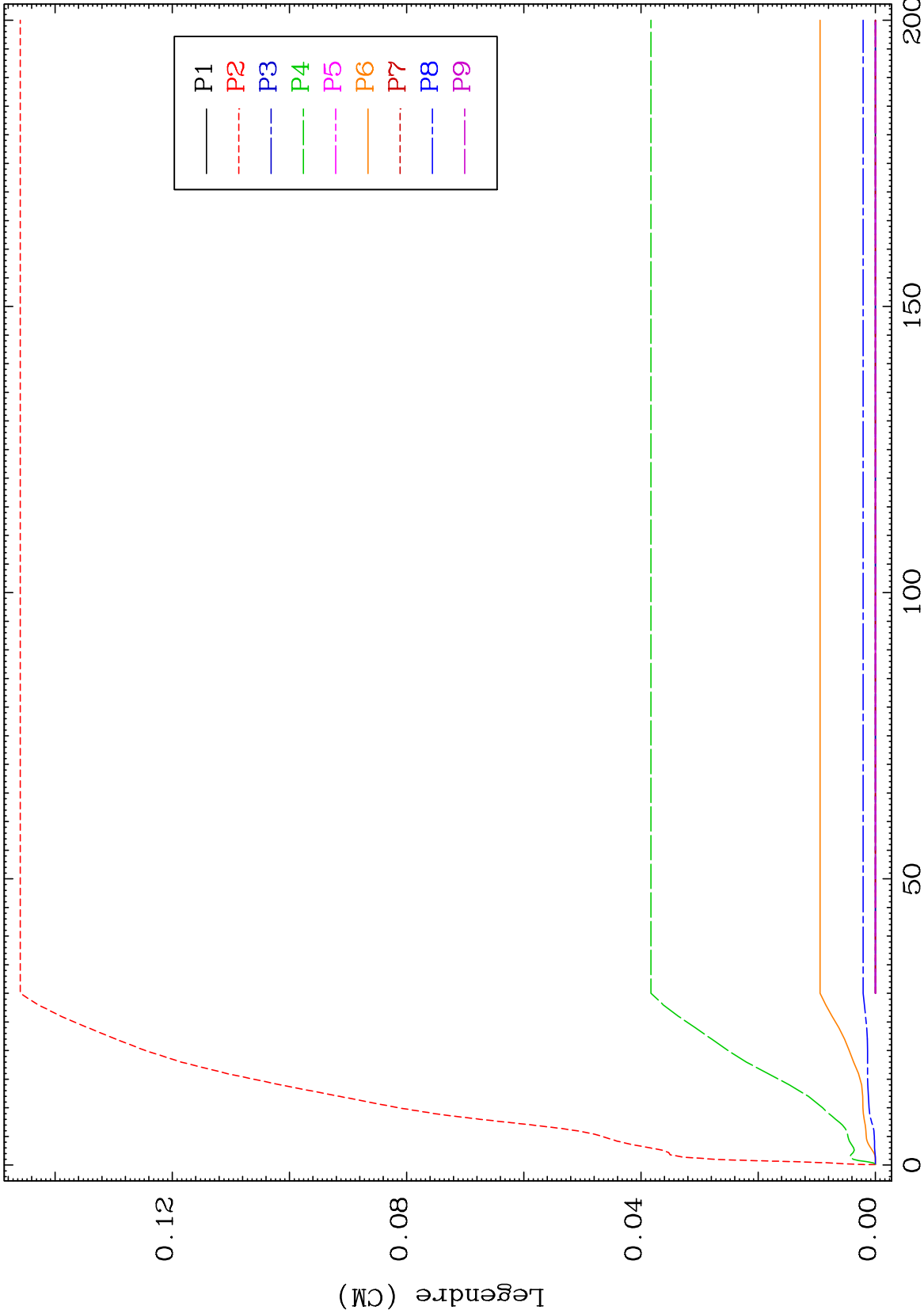
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



57-La-142

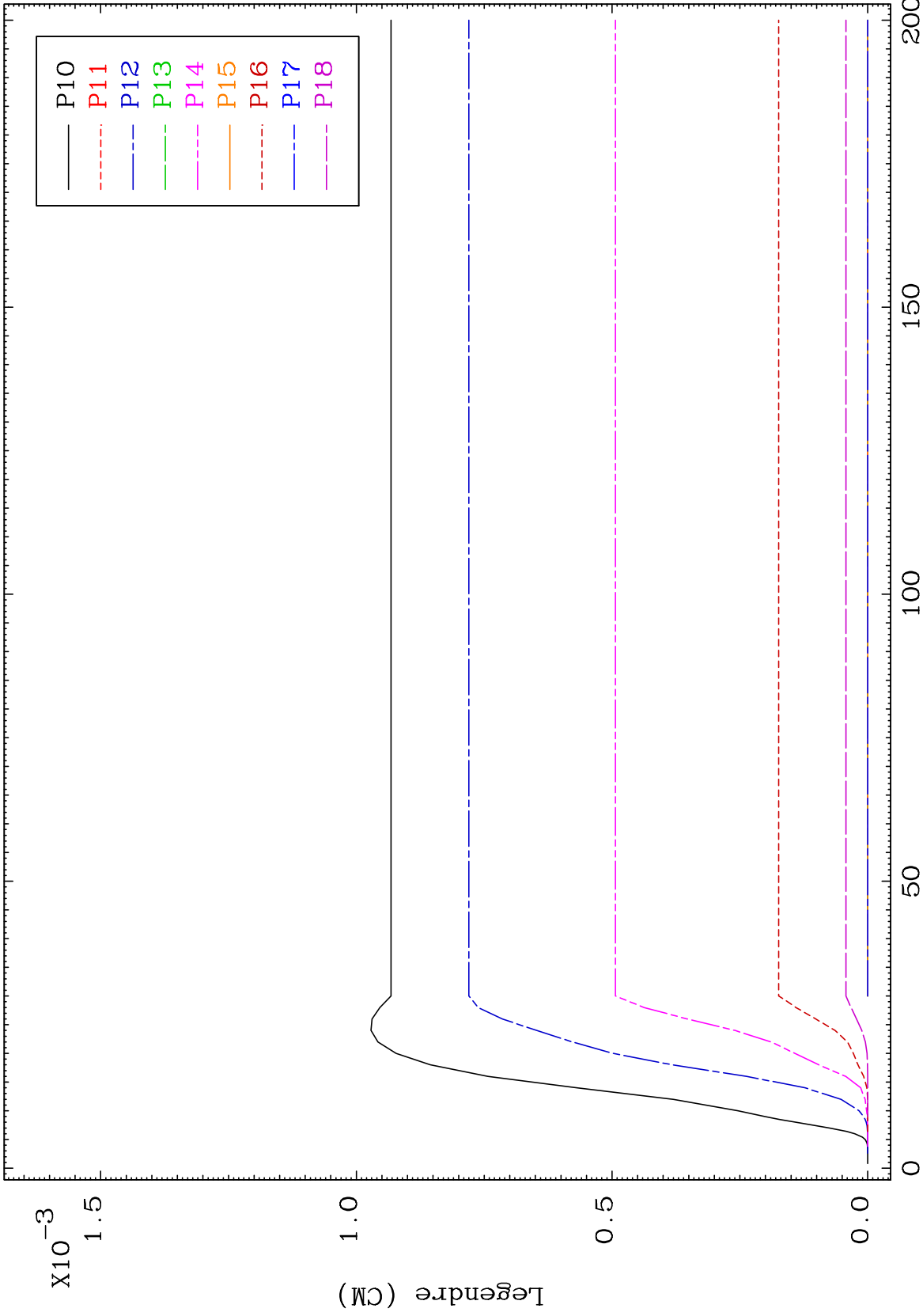
Incident Energy (MeV)

Legendre (CM)

MAT 5737

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

57-La-142



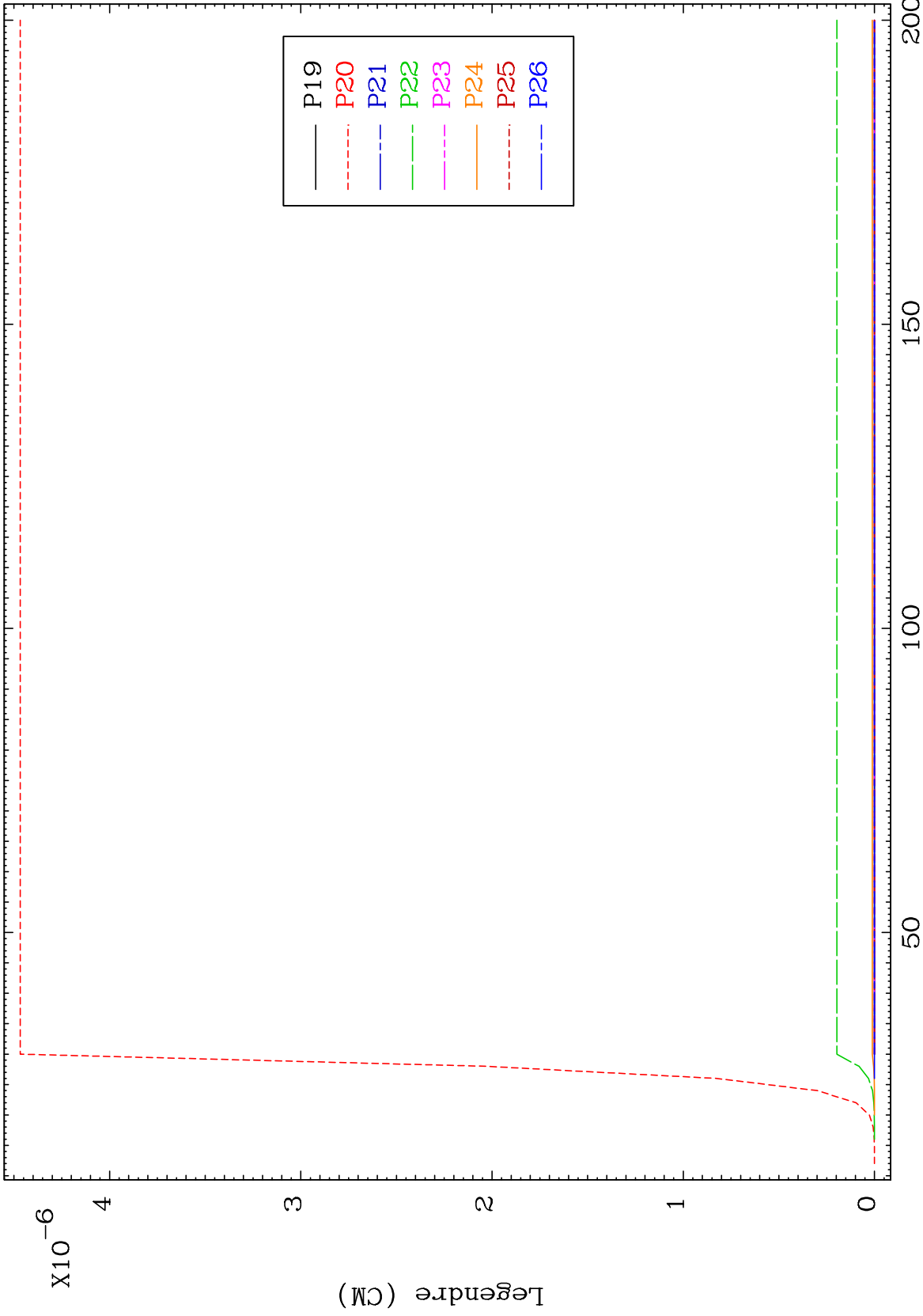
21

57-La-142

MAT 5737

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

57-La-142



22

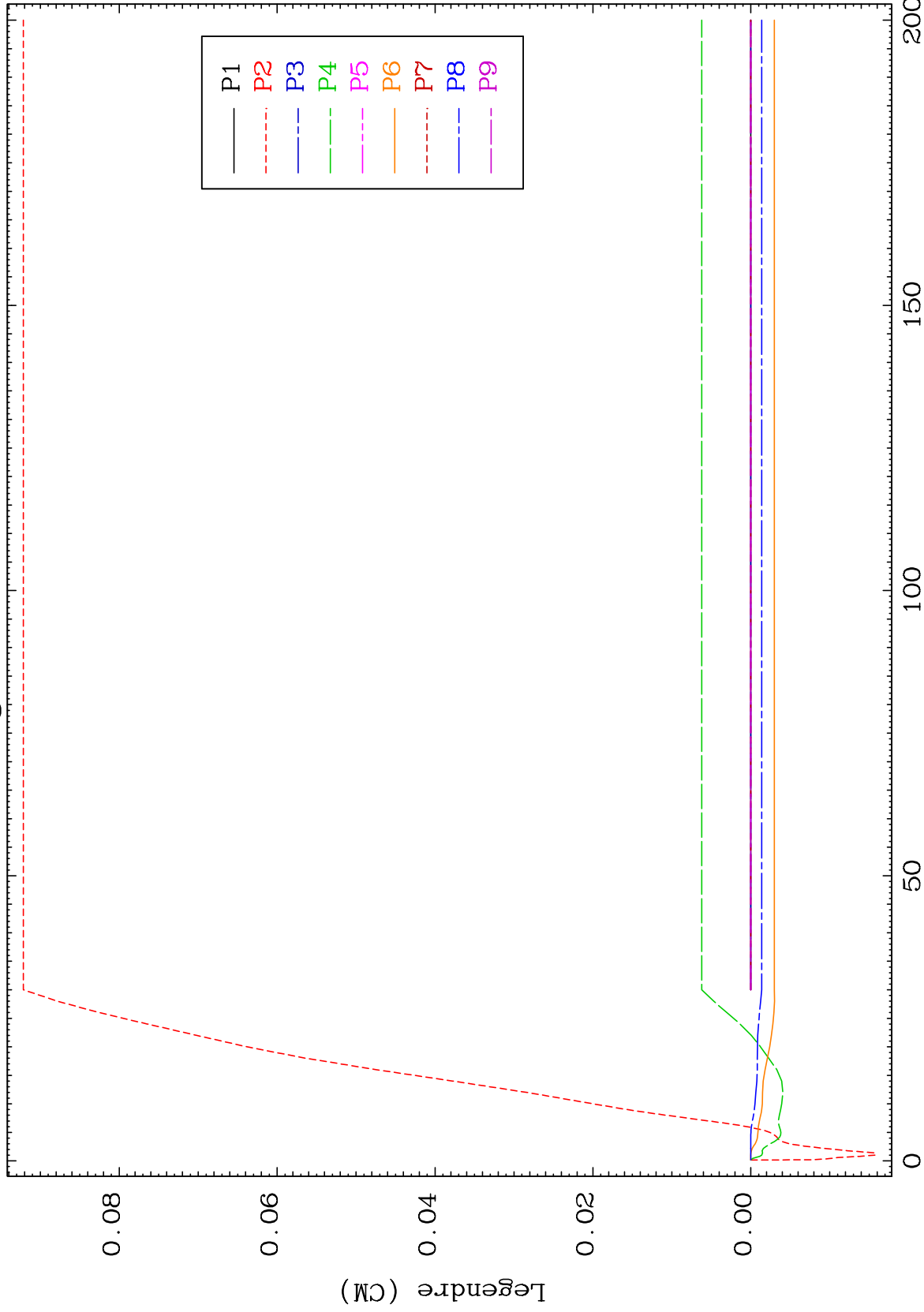
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



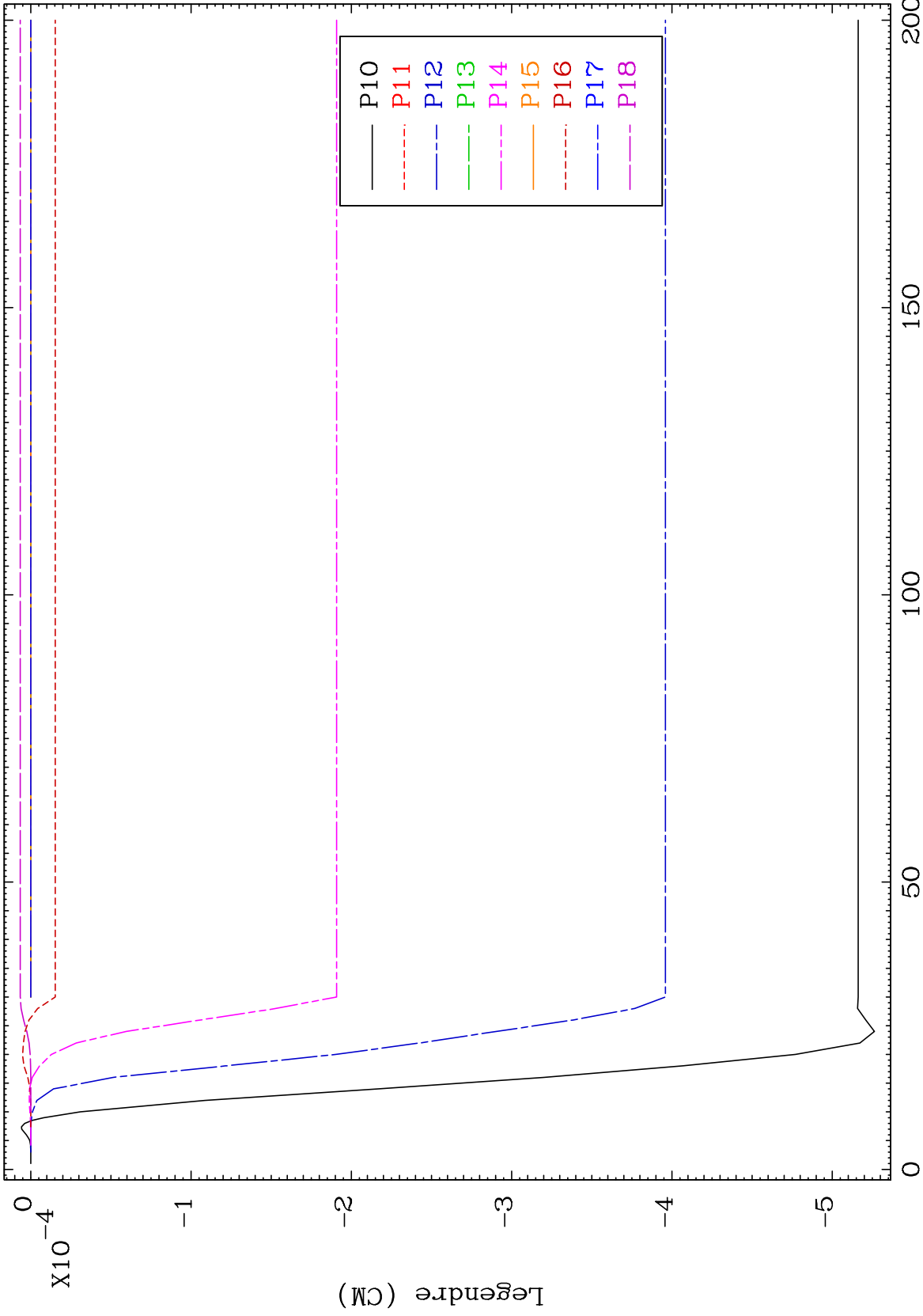
23

57-La-142

MAT 5737

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

57-La-142



24

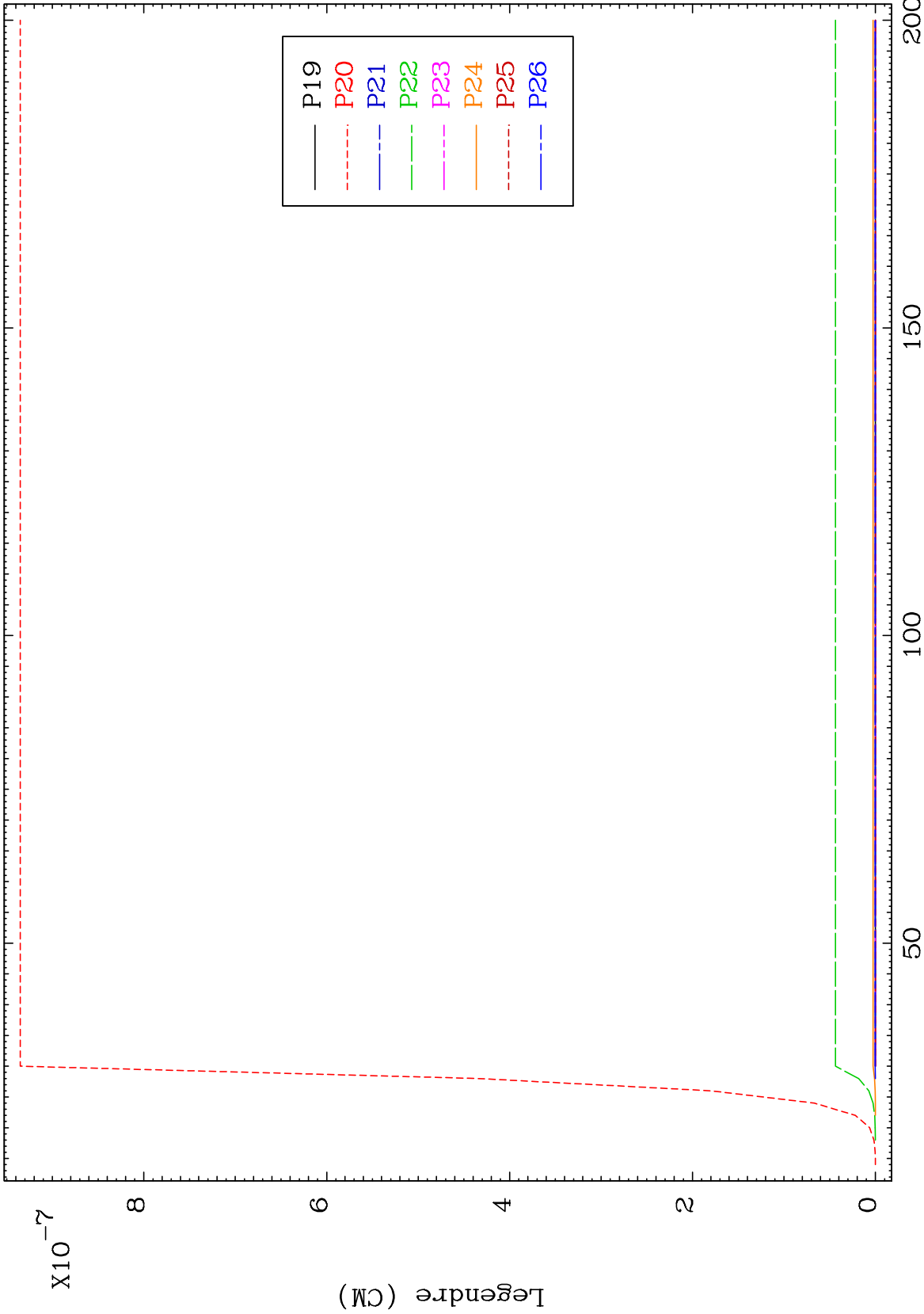
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



25

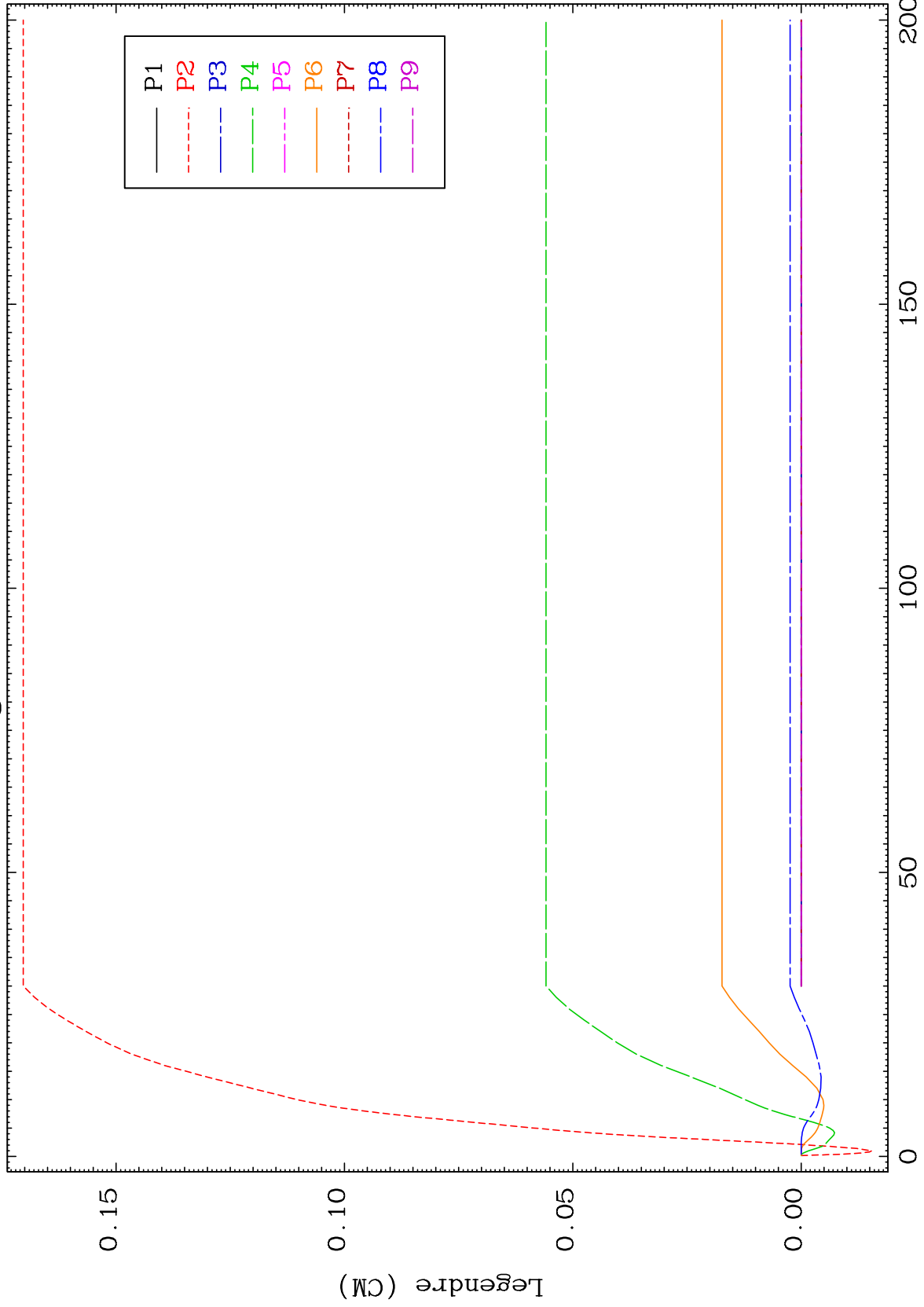
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



26

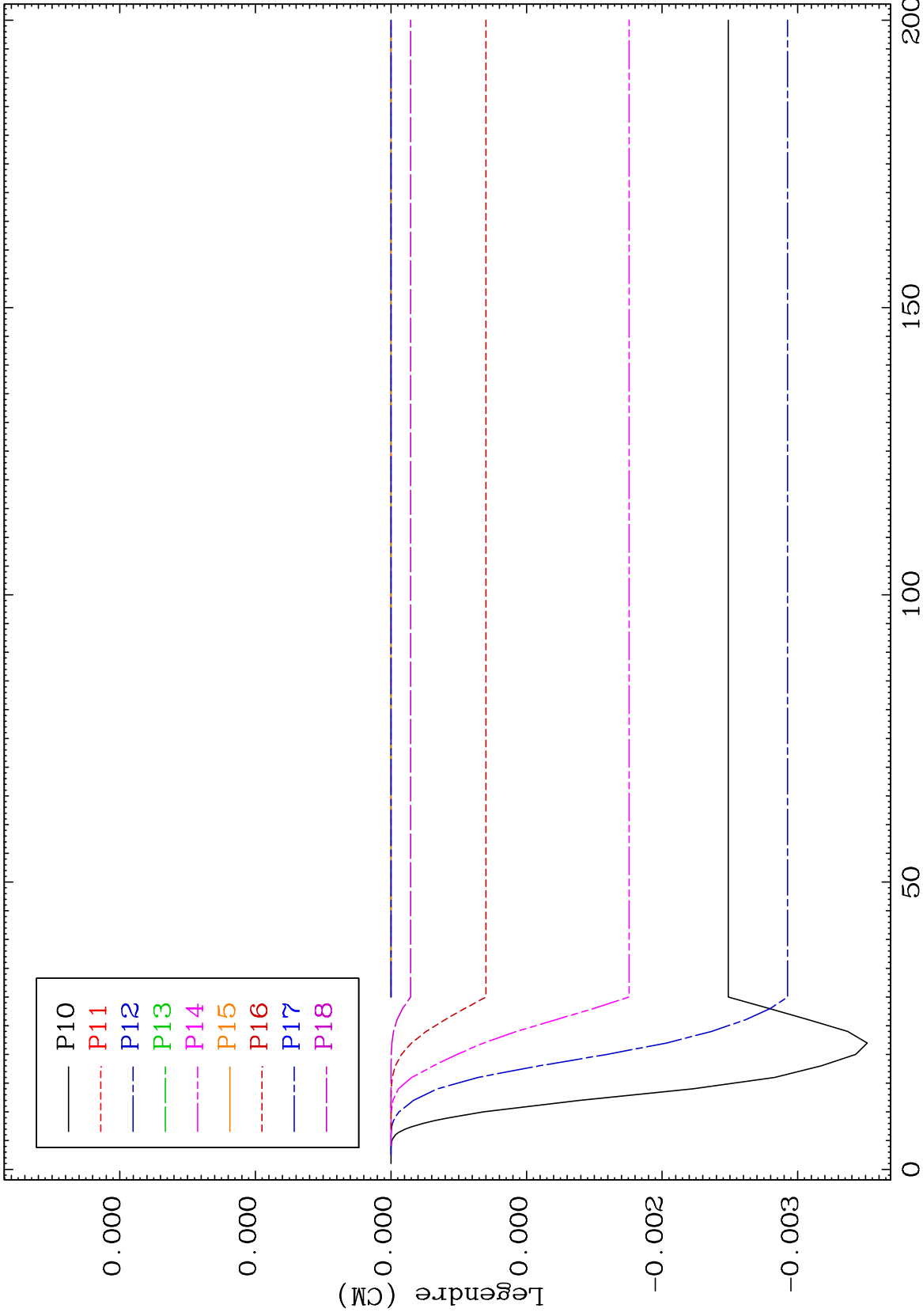
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



27

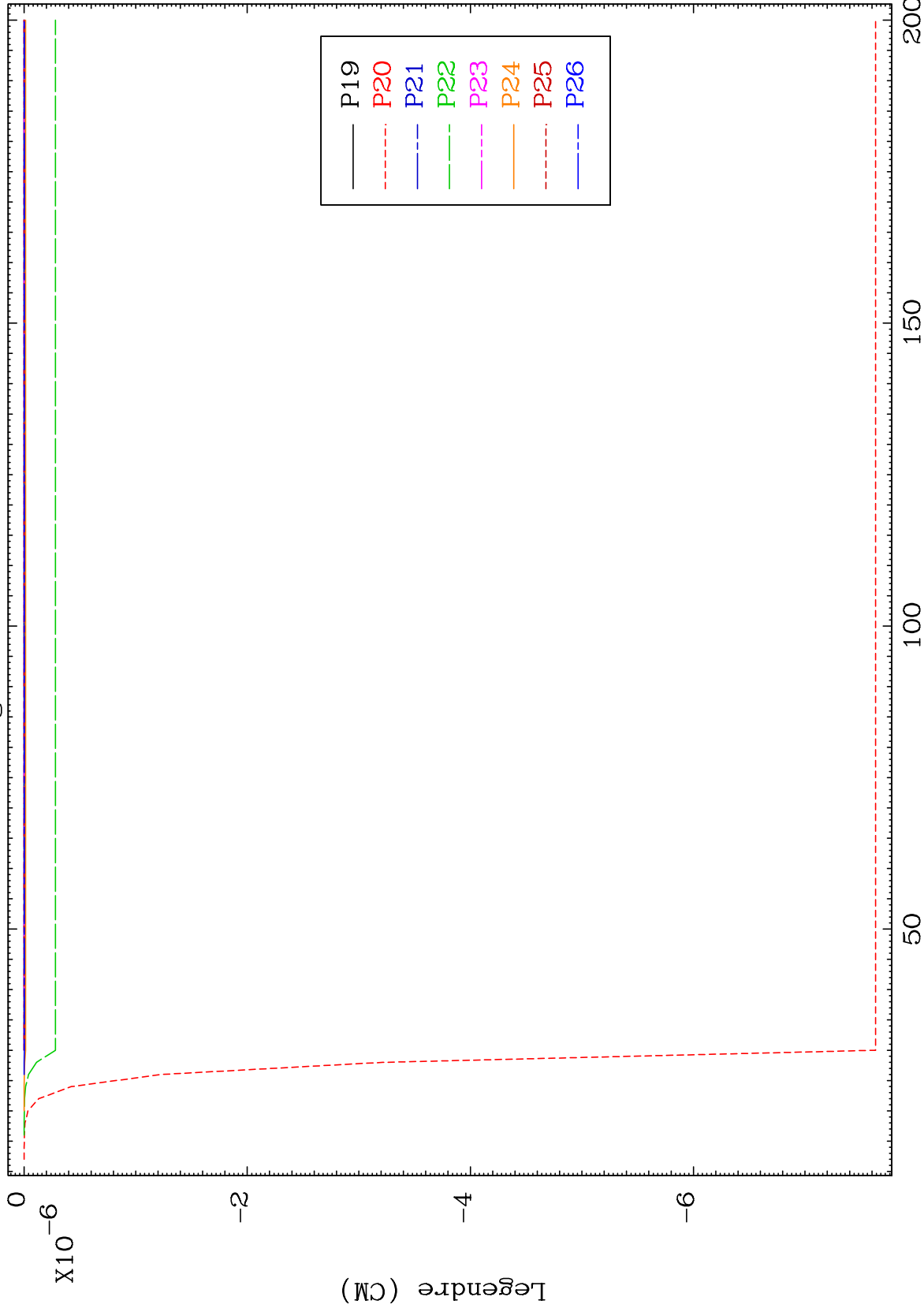
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



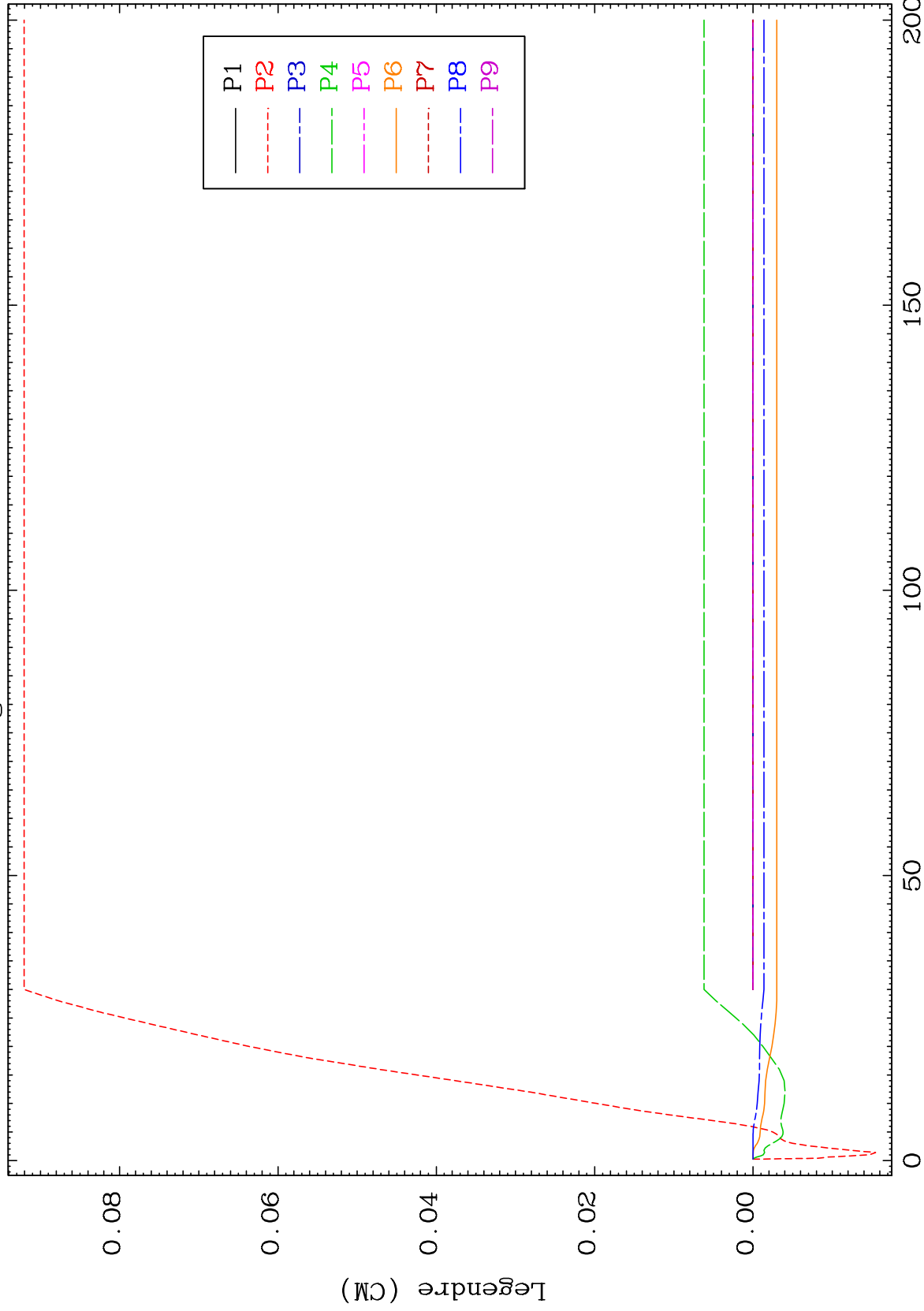
28

57-La-142

MAT 5737

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

57-La-142



29

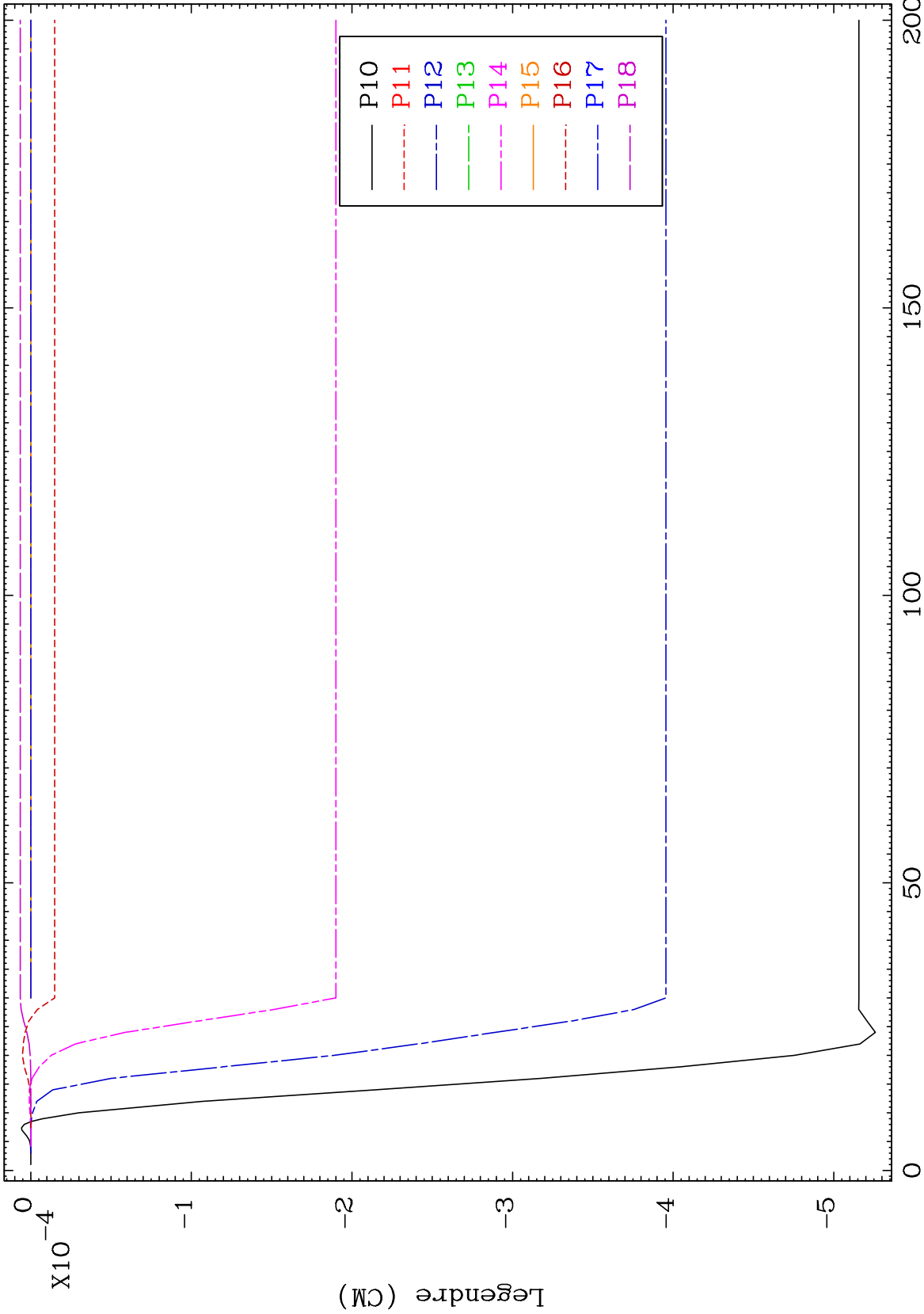
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



30

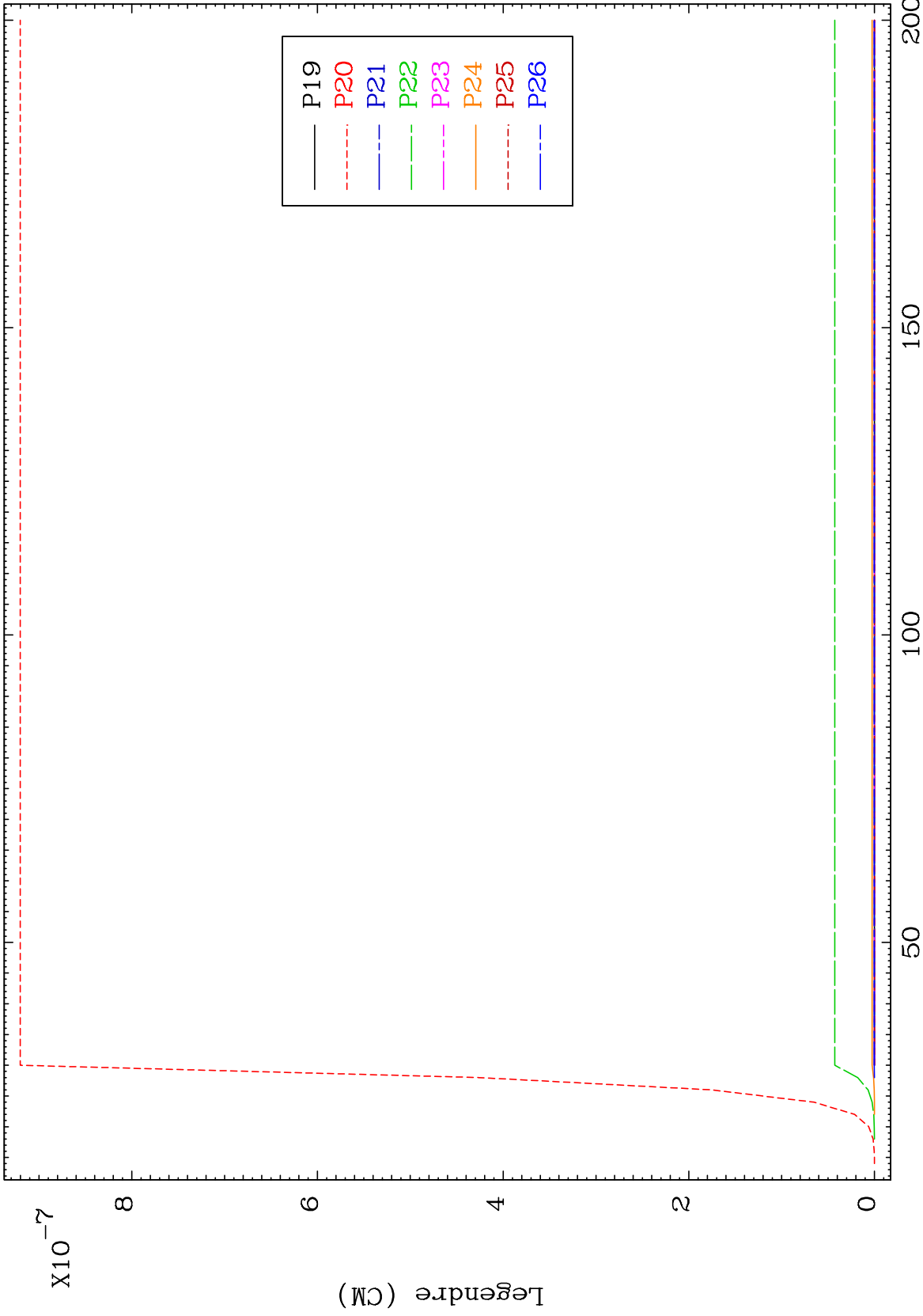
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



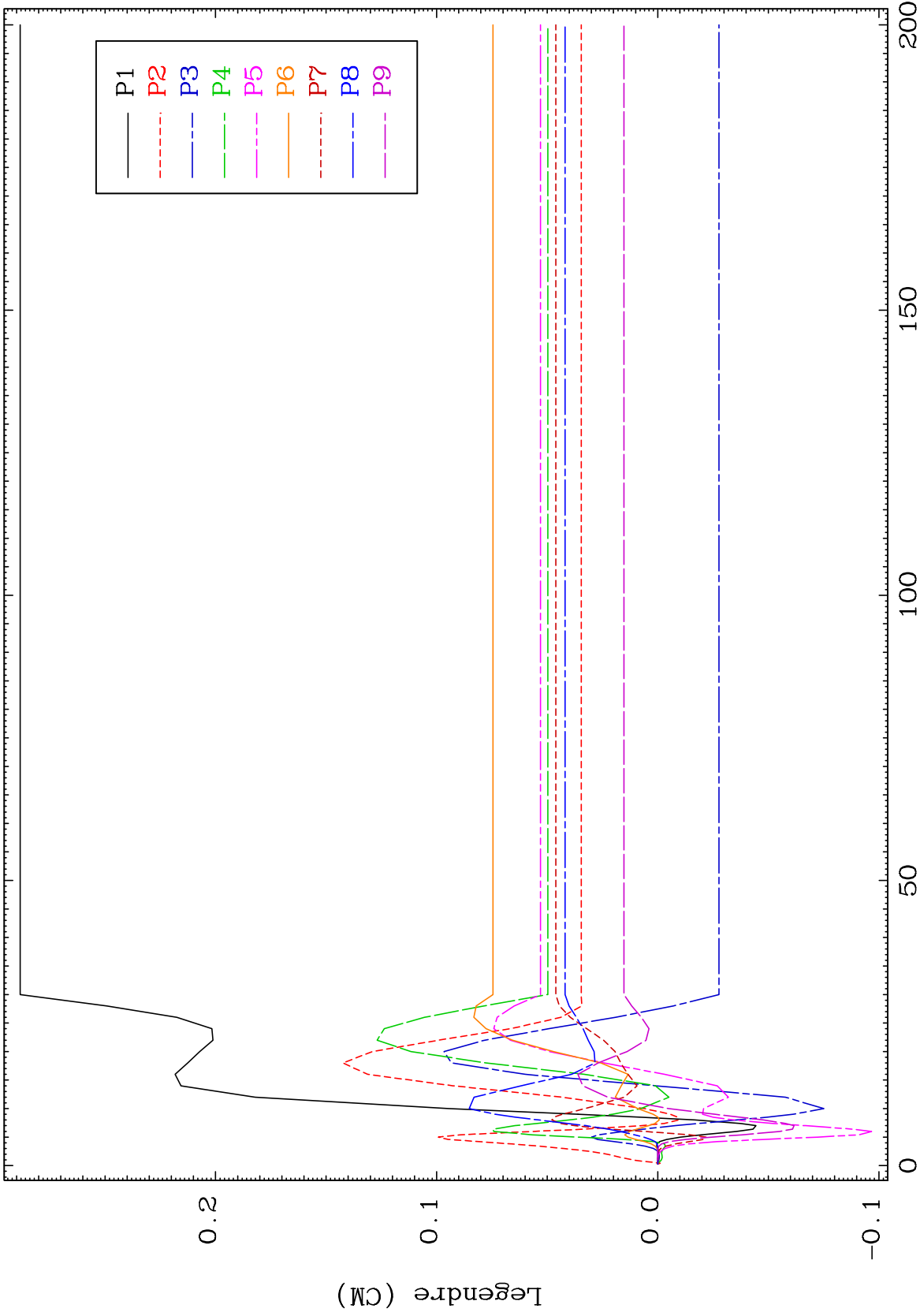
31

57-La-142

MAT 5737

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

57-La-142



32

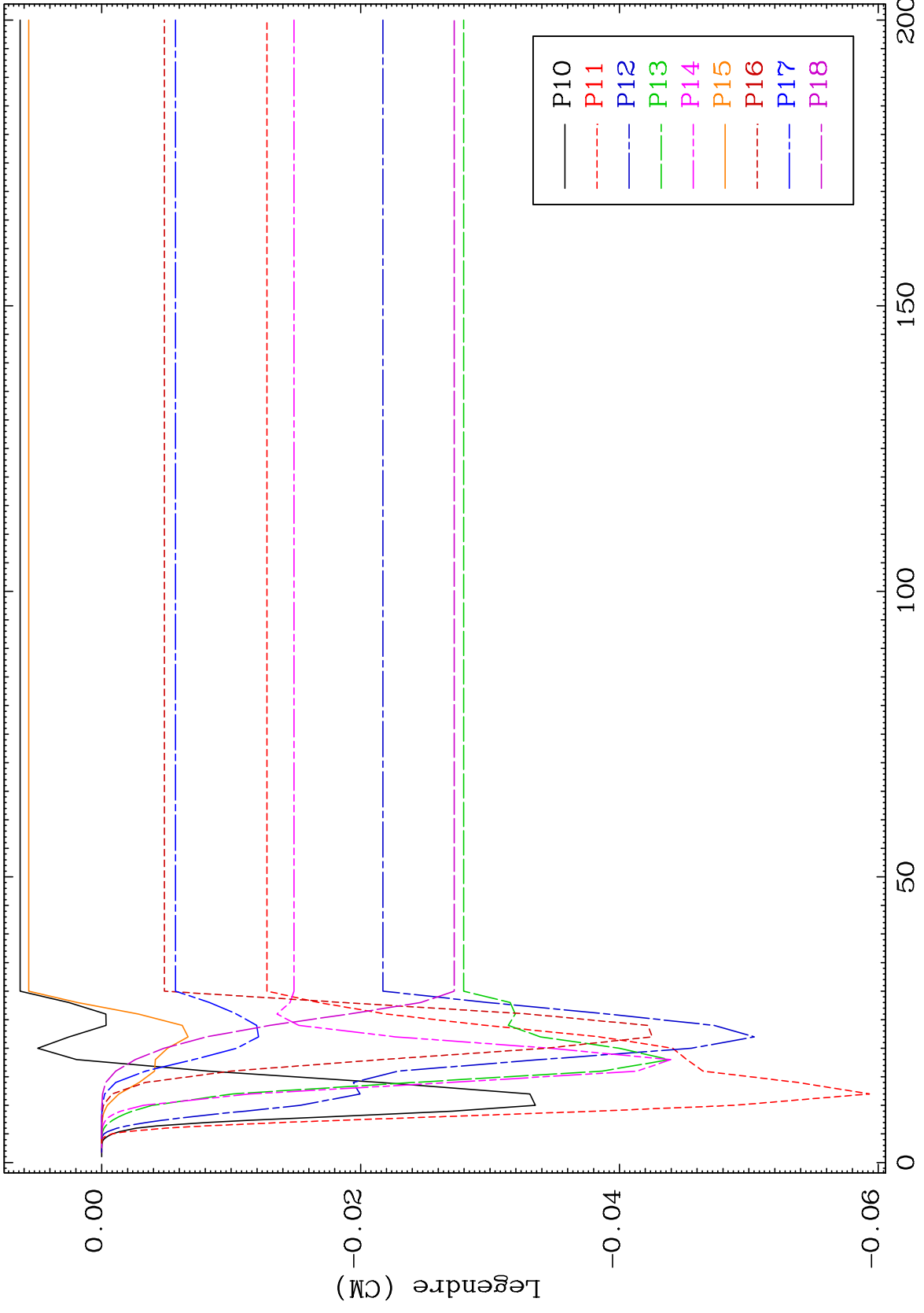
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



33

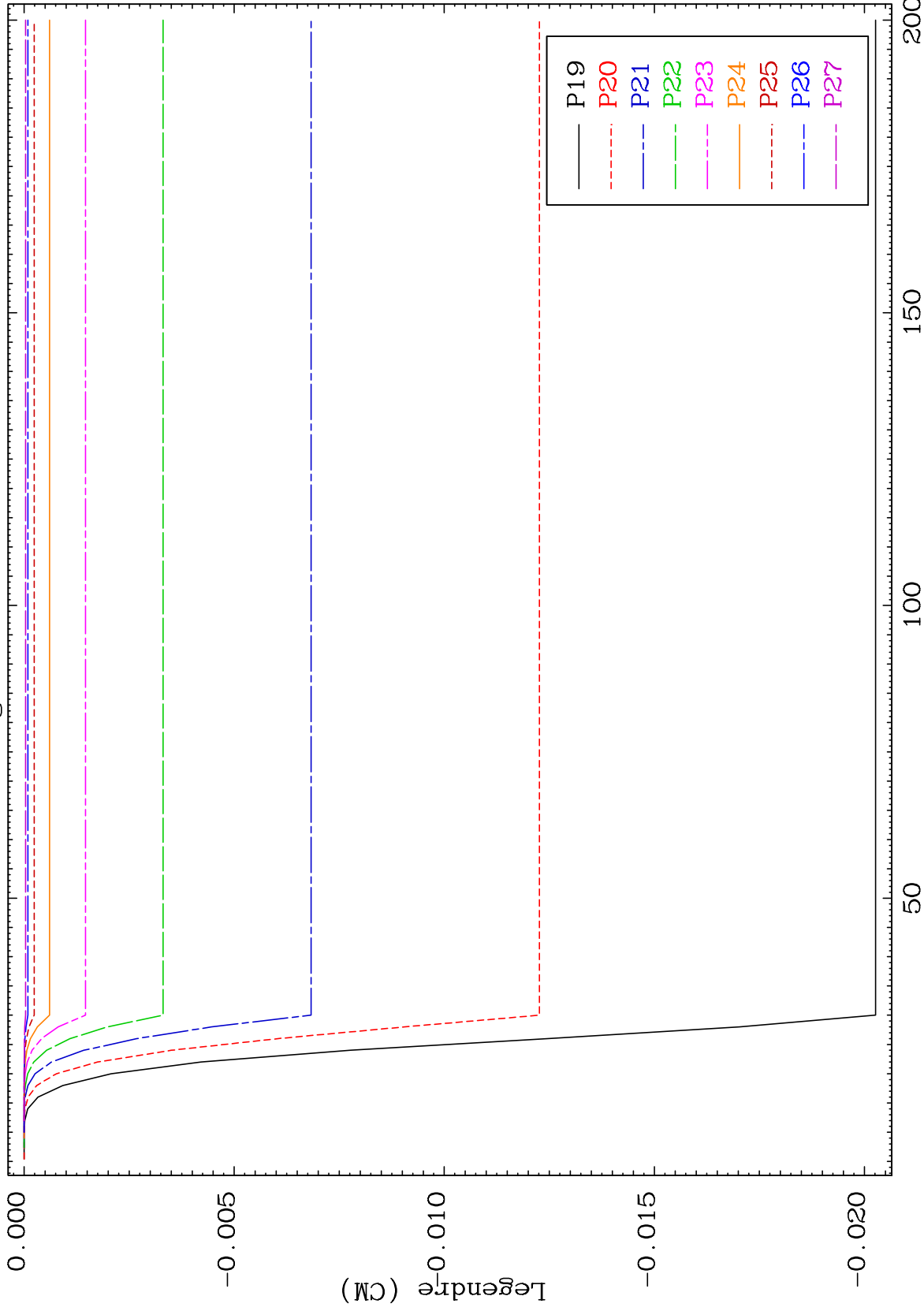
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



34

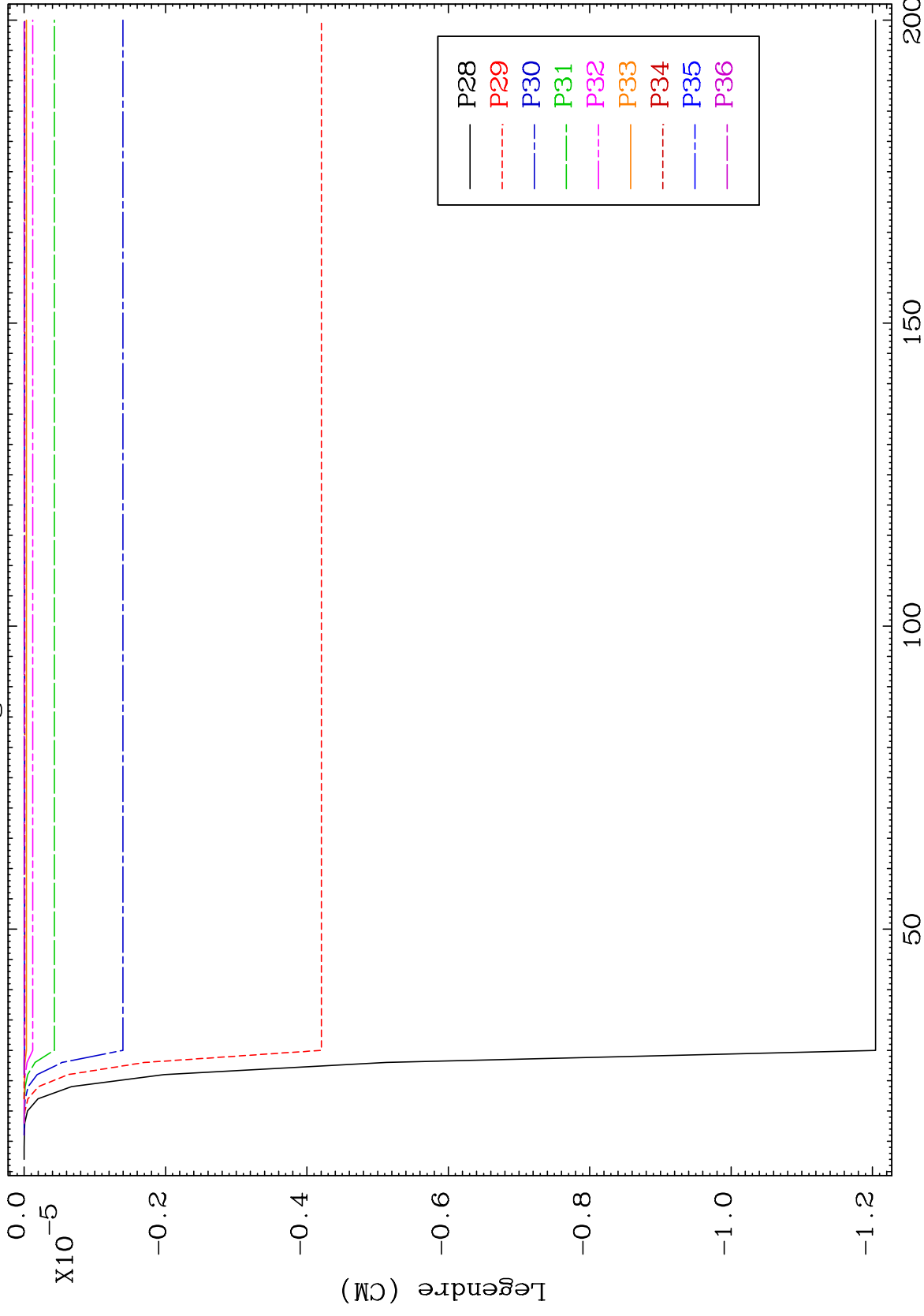
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



57-La-142

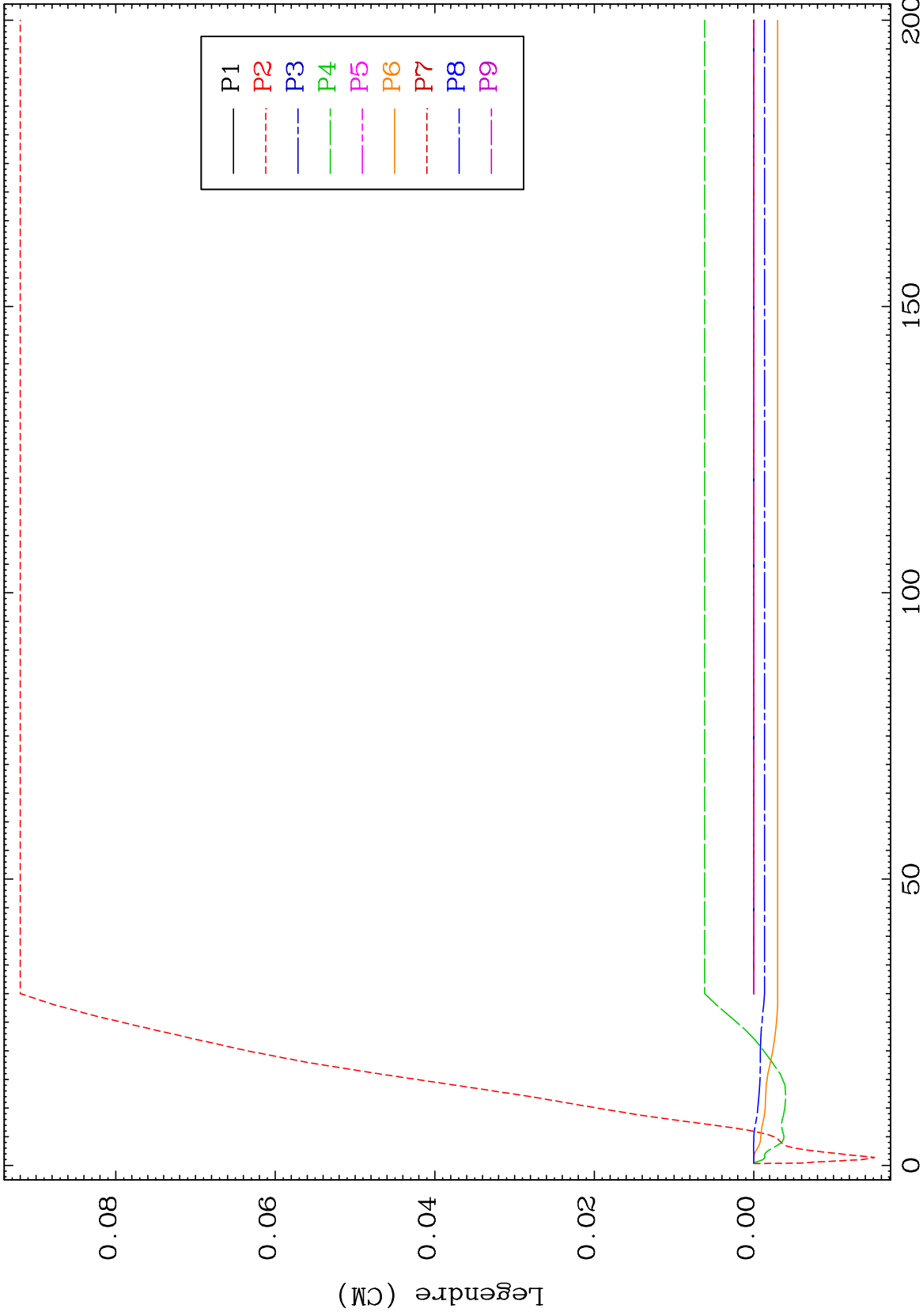
Incident Energy (MeV)

35

MAT 5737

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

57-La-142



36

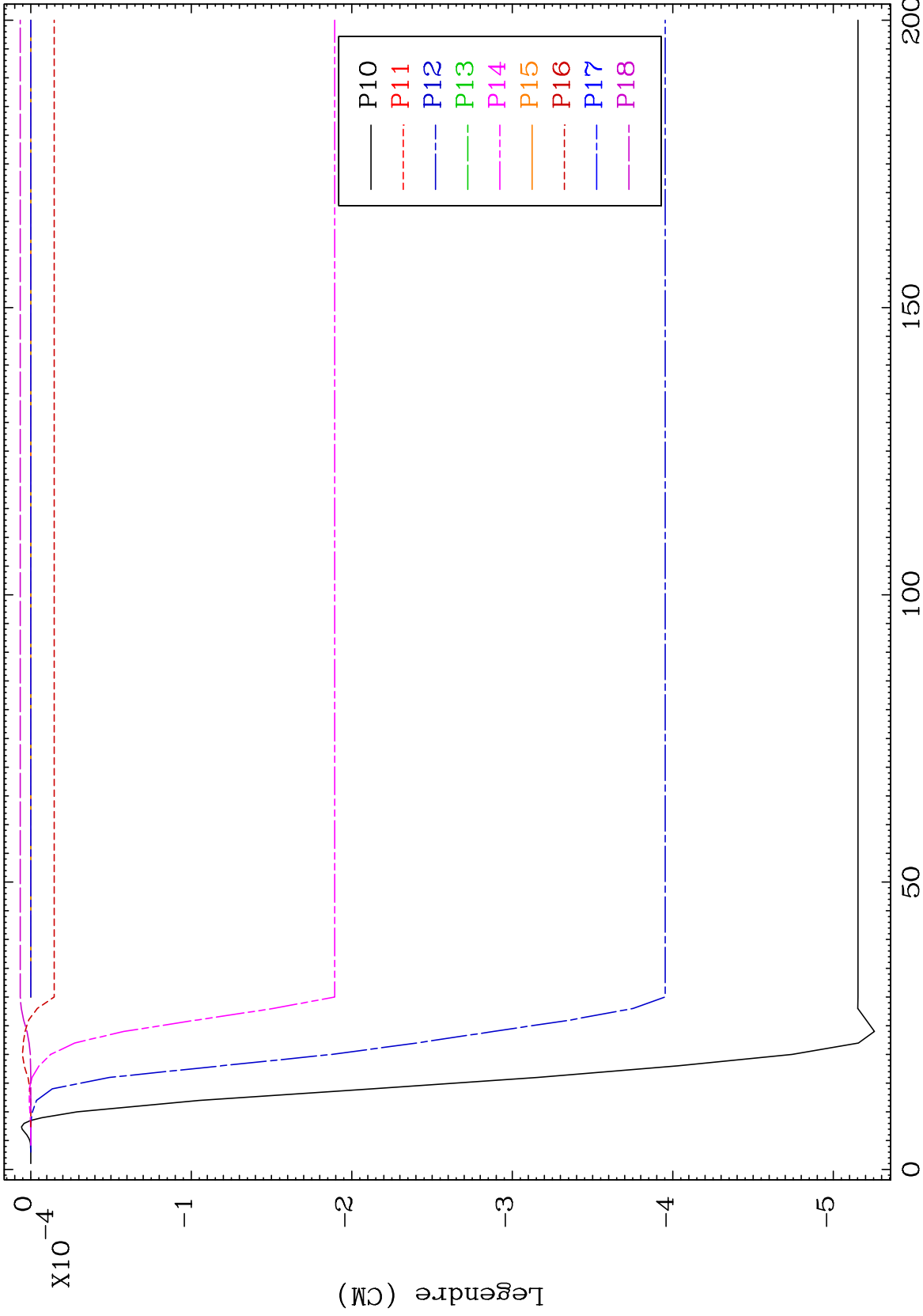
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



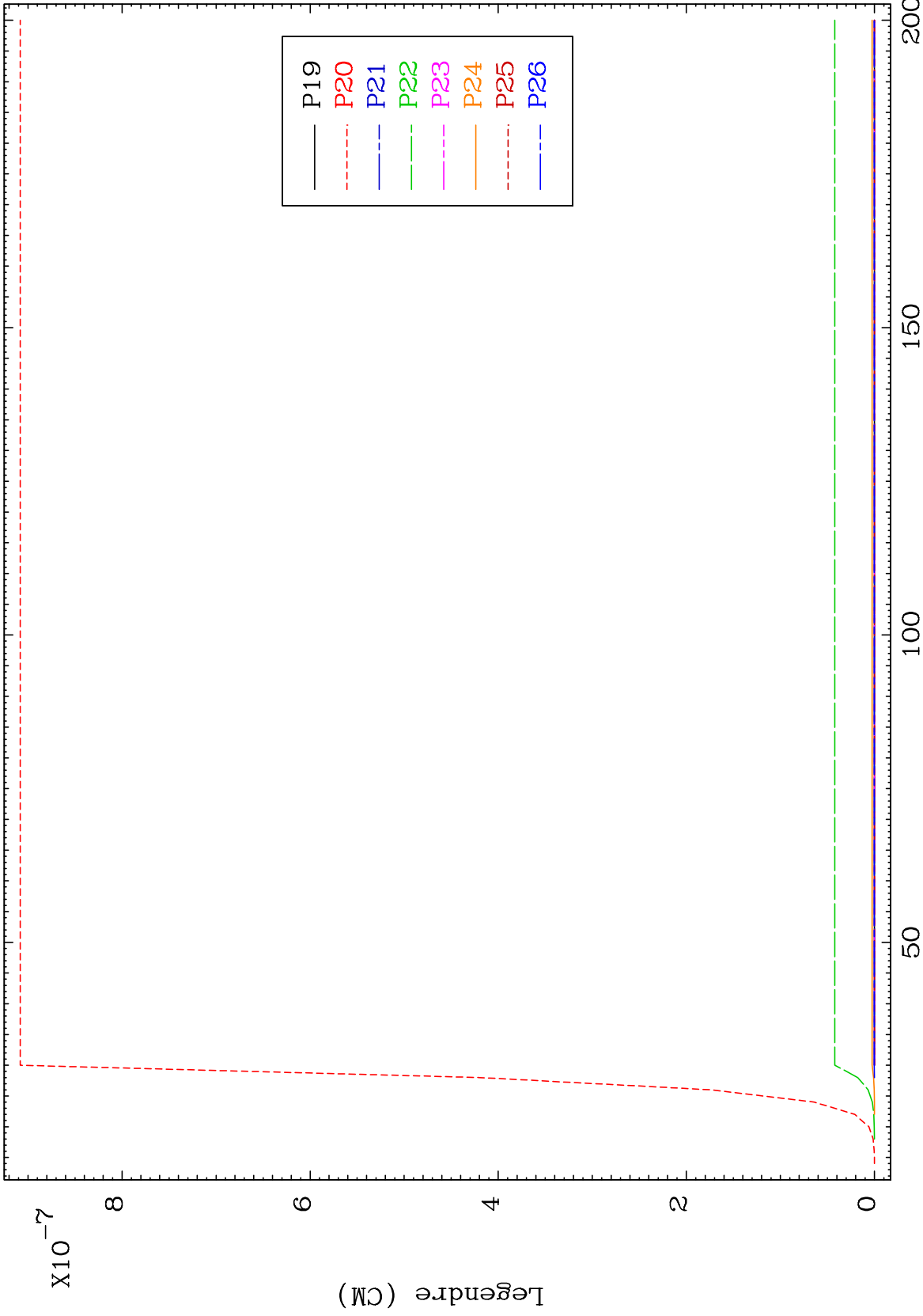
37

57-La-142

MAT 5737

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

57-La-142



38

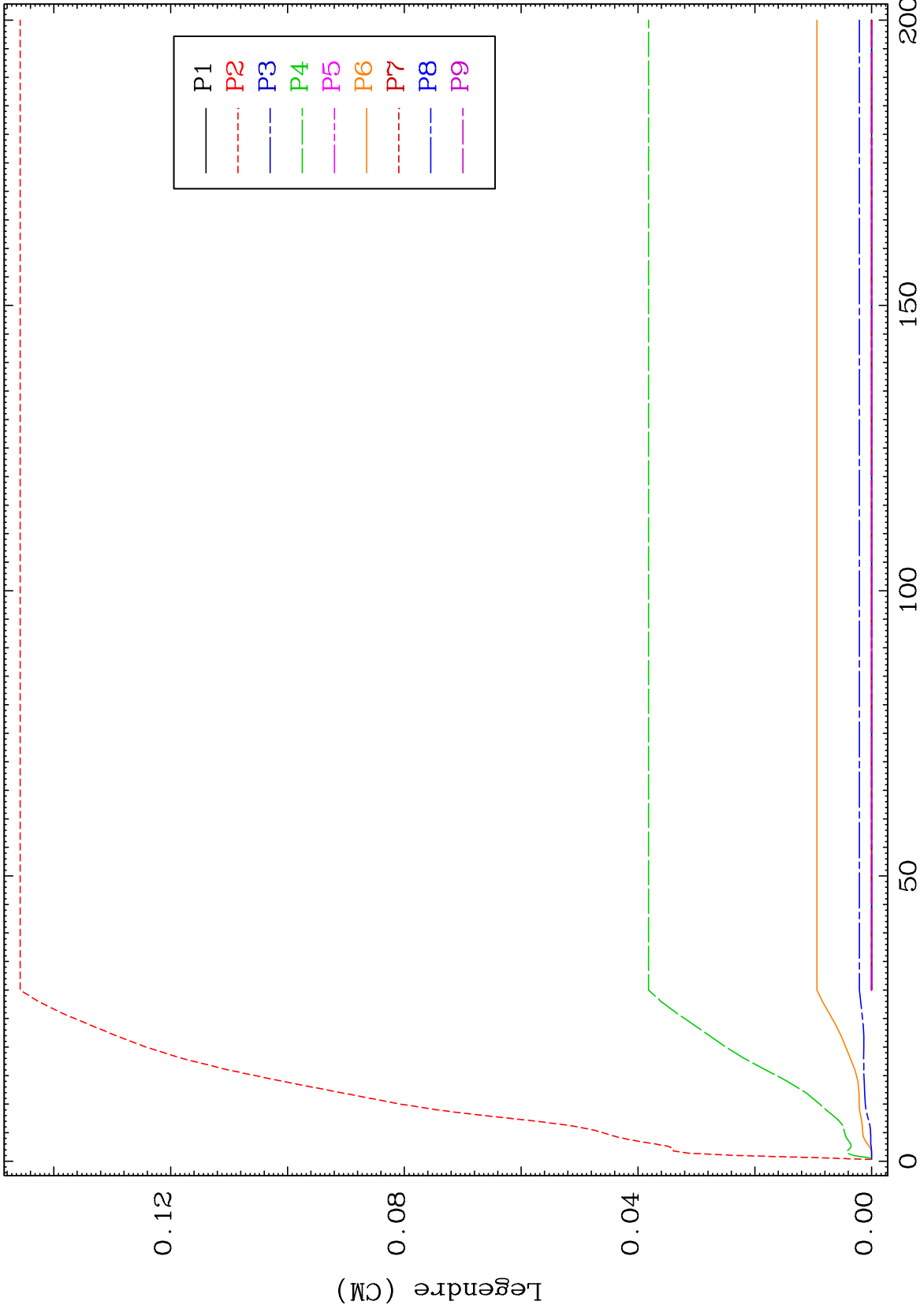
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



39

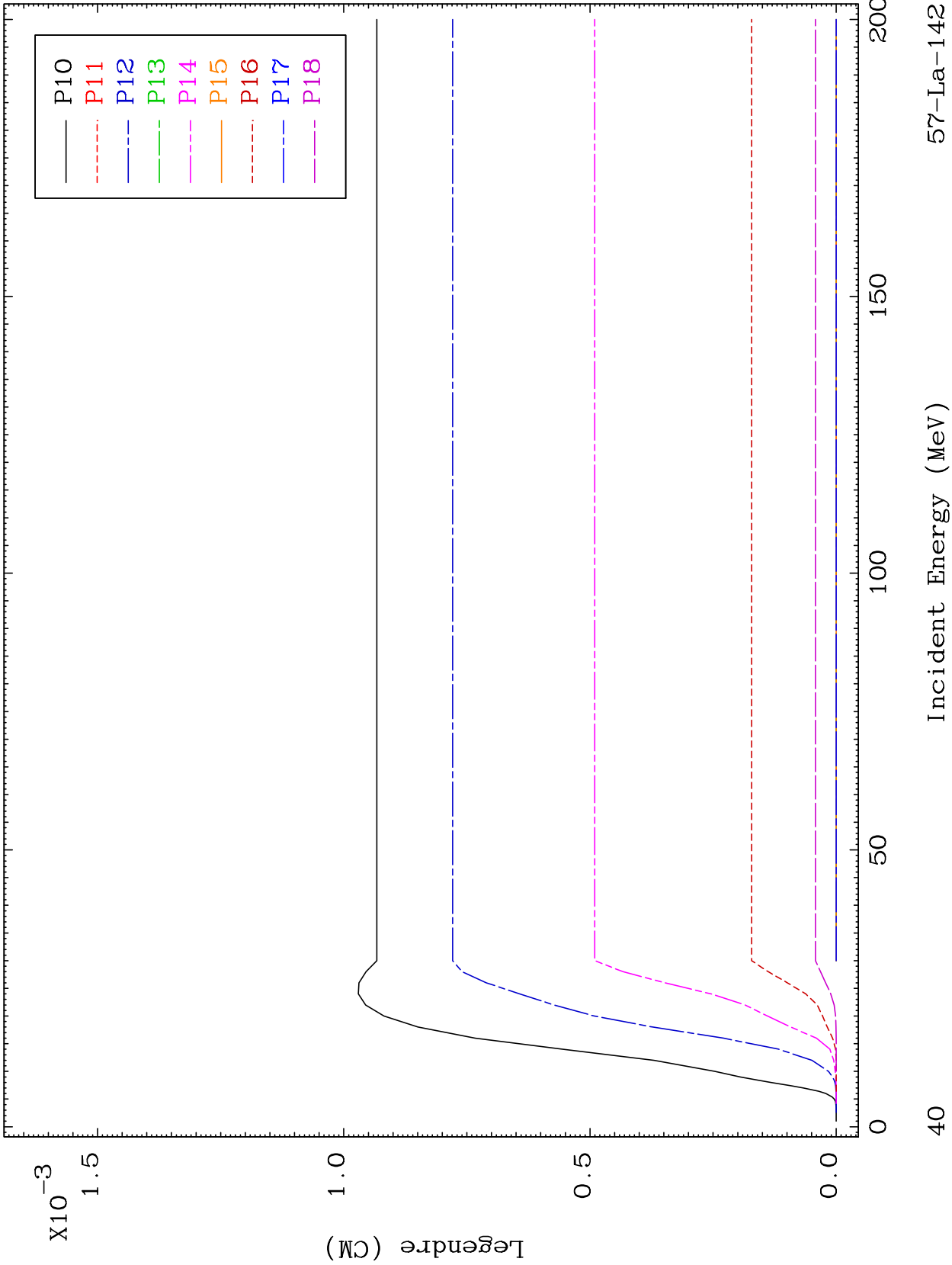
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142

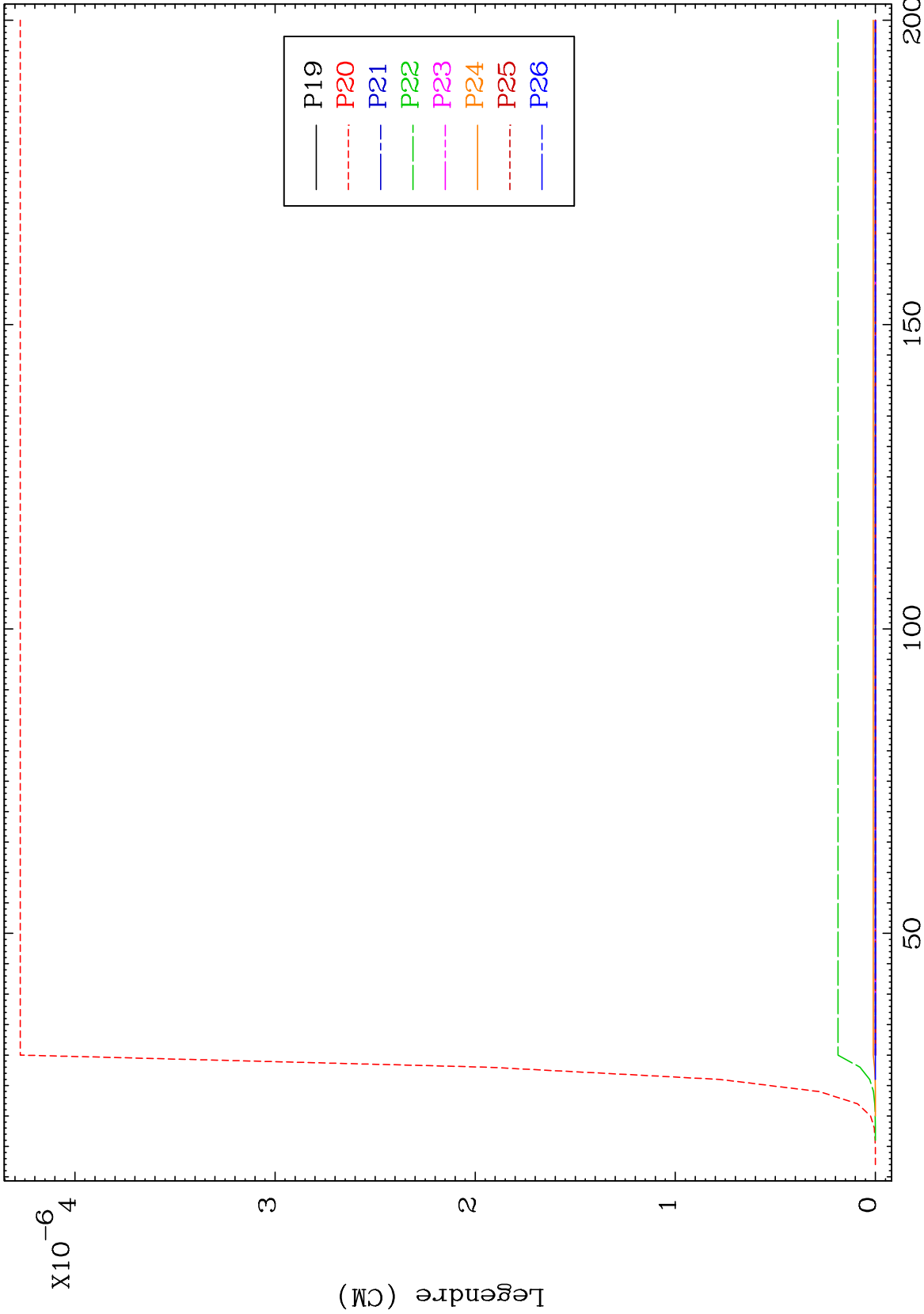


57-La-142

MAT 5737

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

57-La-142



41

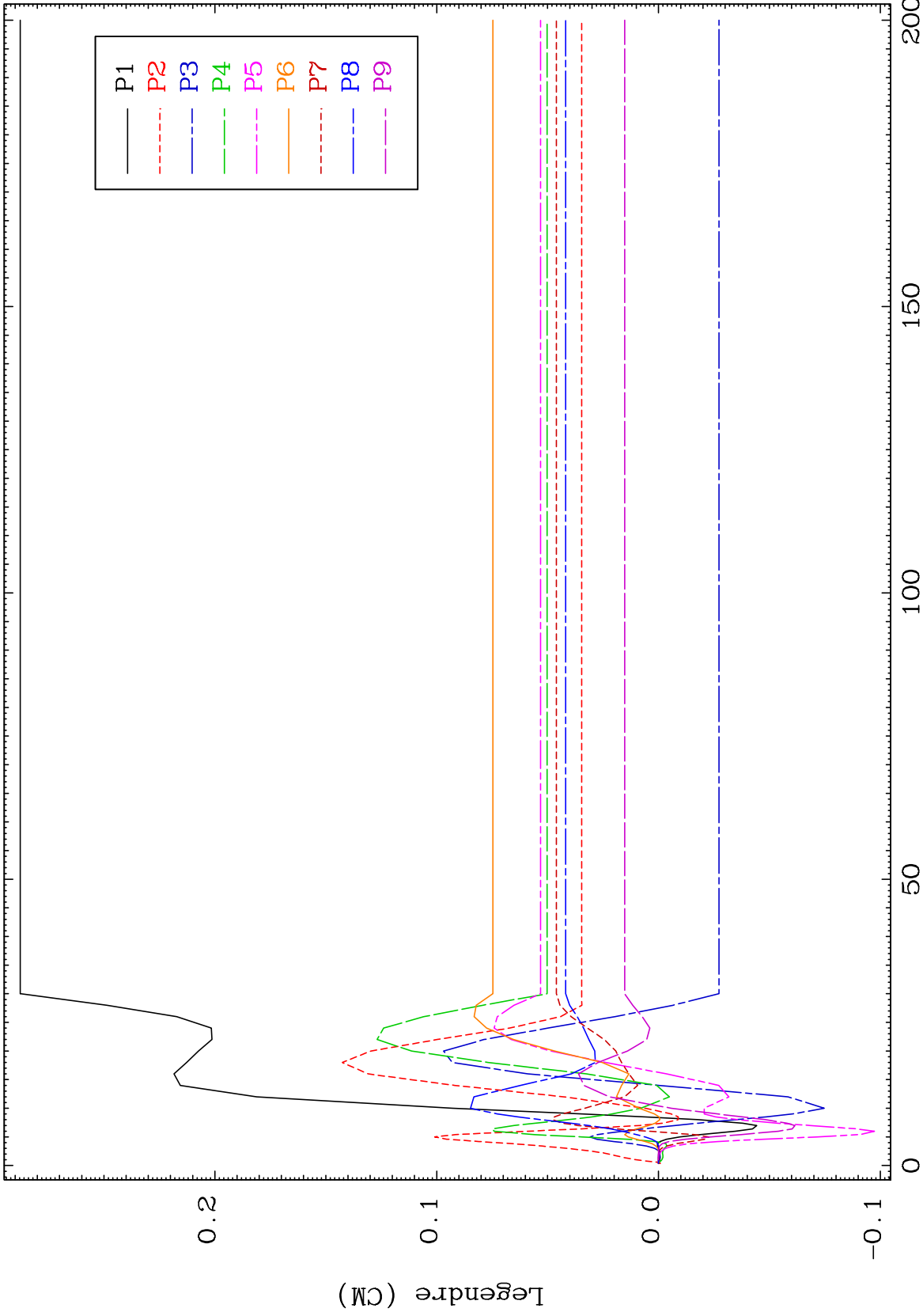
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



42

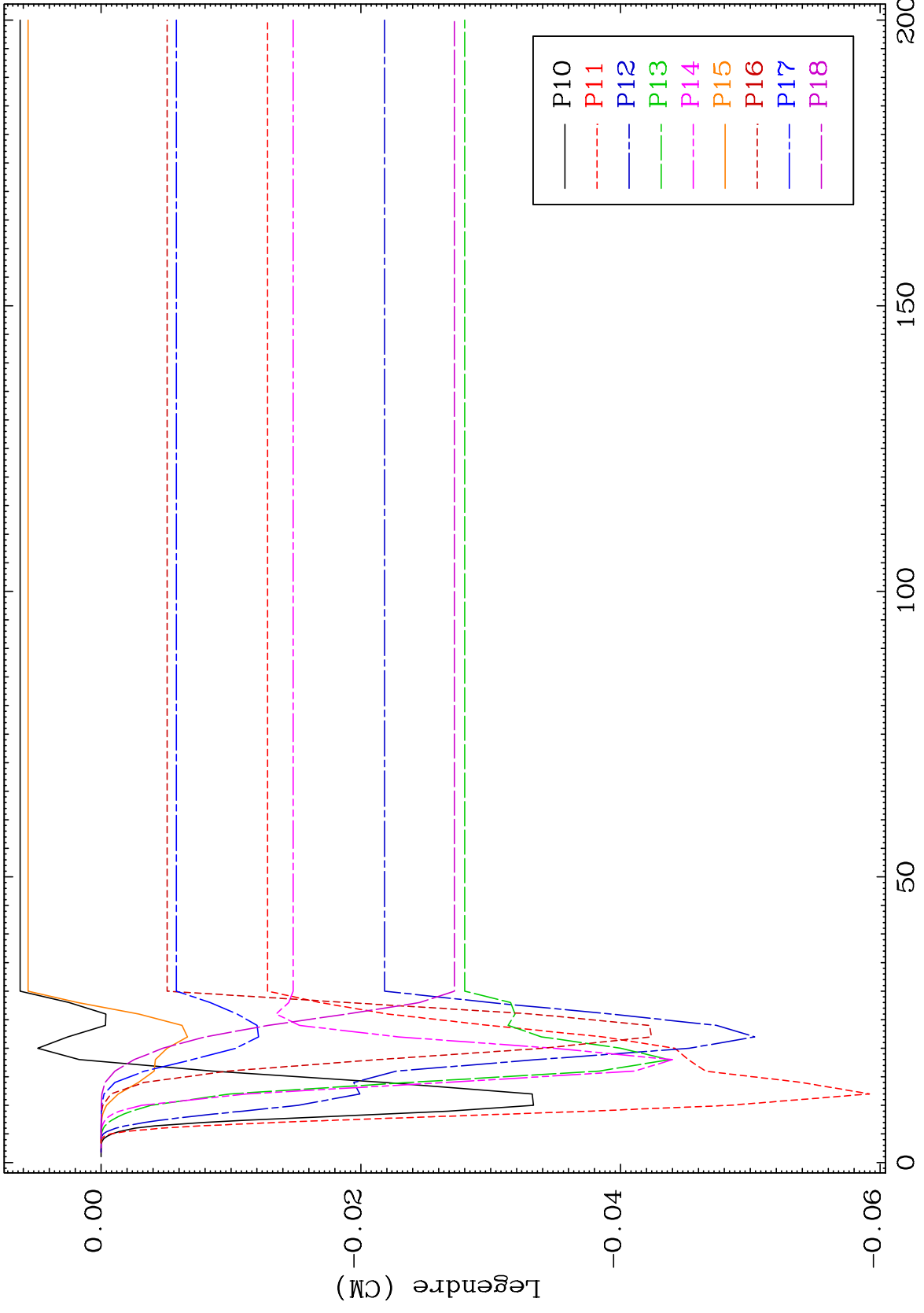
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



43

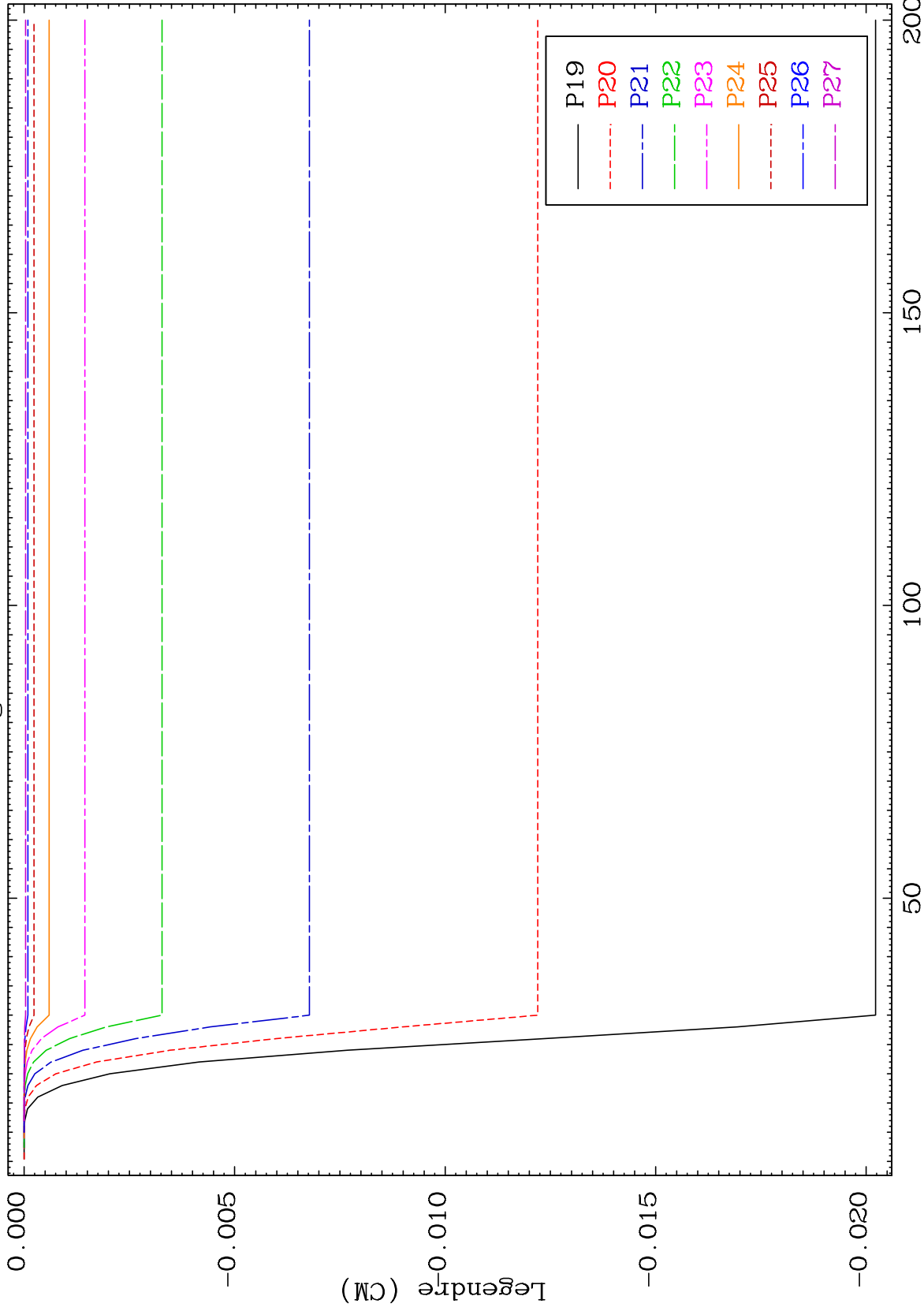
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



44

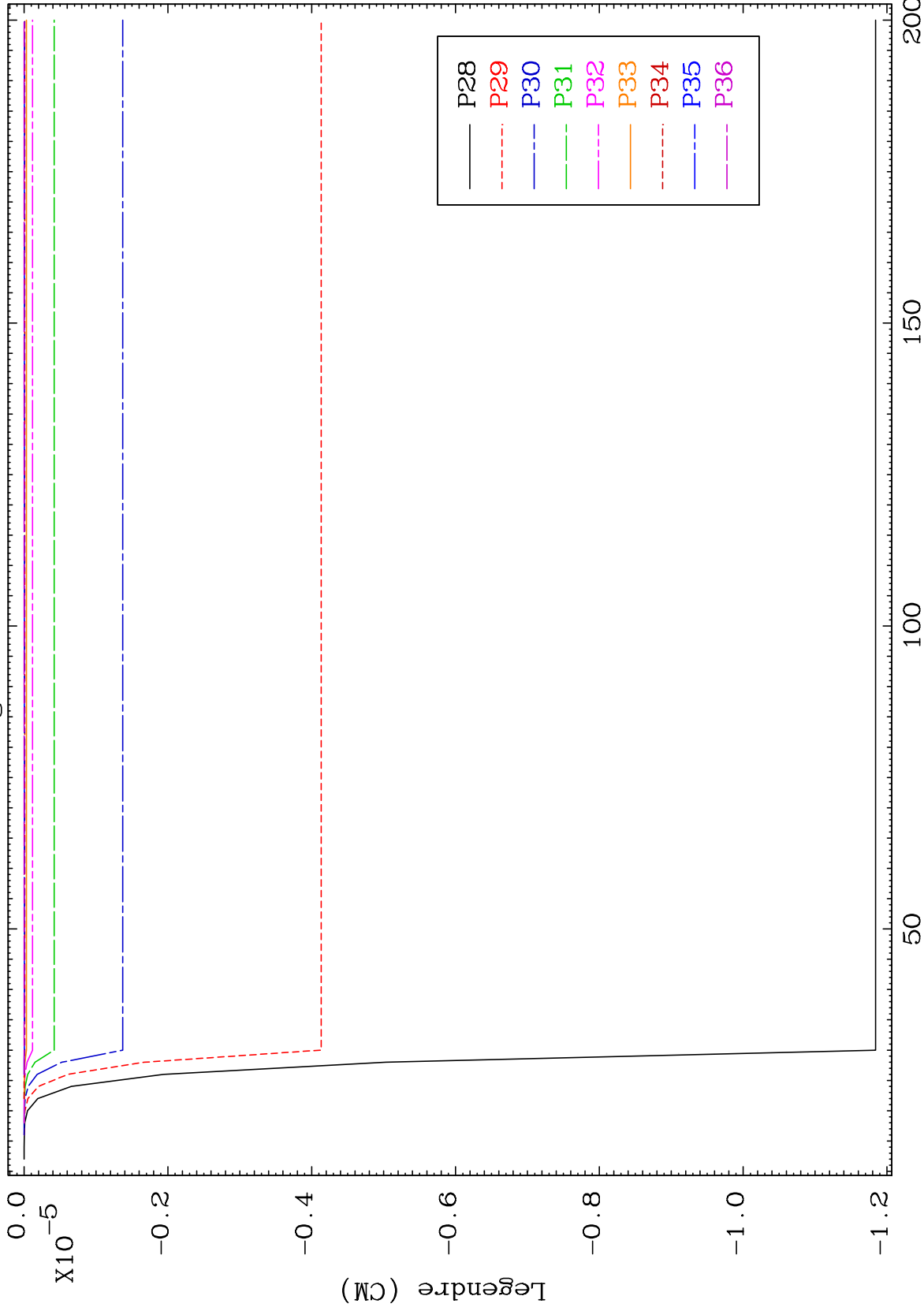
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



57-La-142

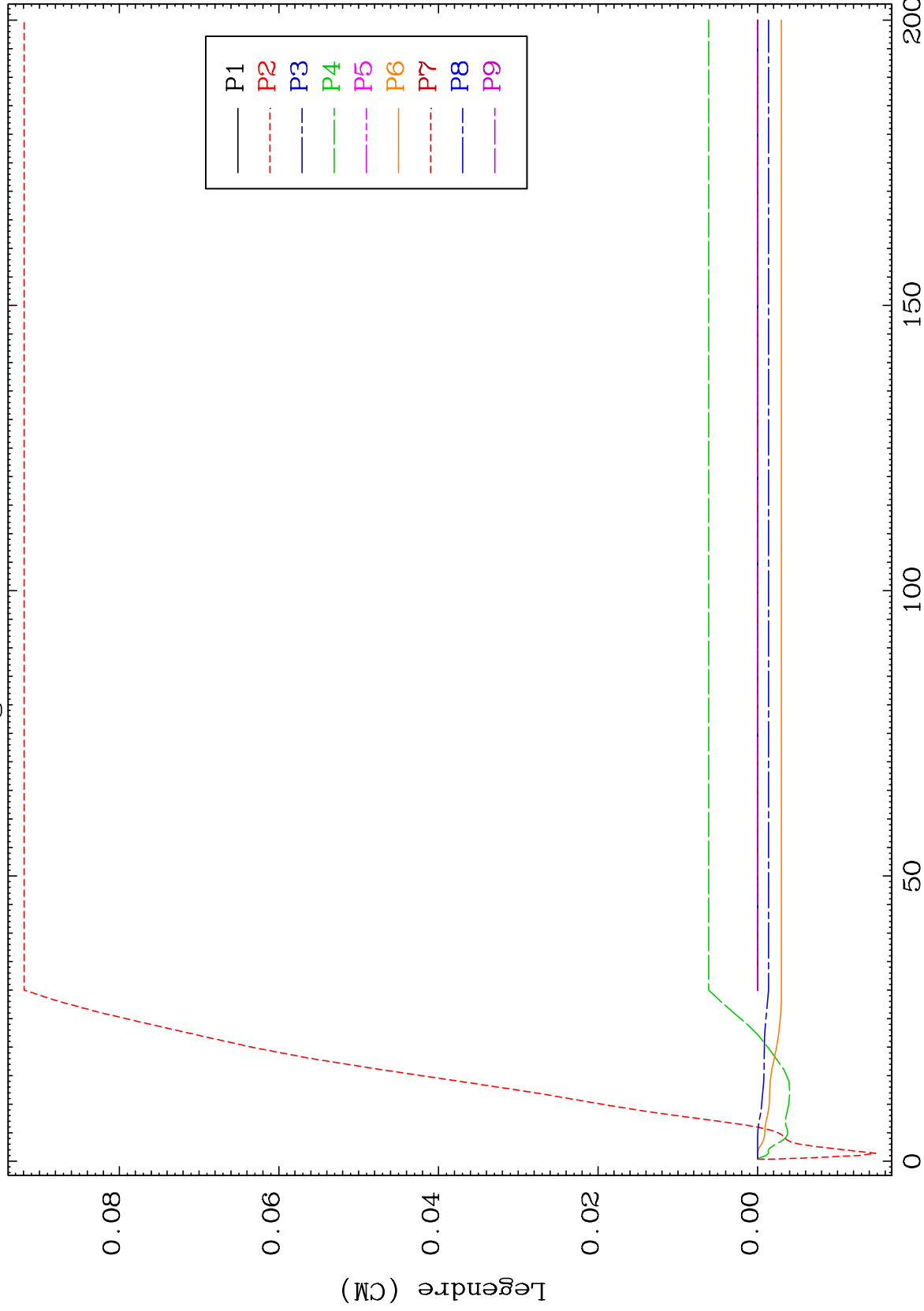
Incident Energy (MeV)

45

MAT 5737

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

57-La-142



46

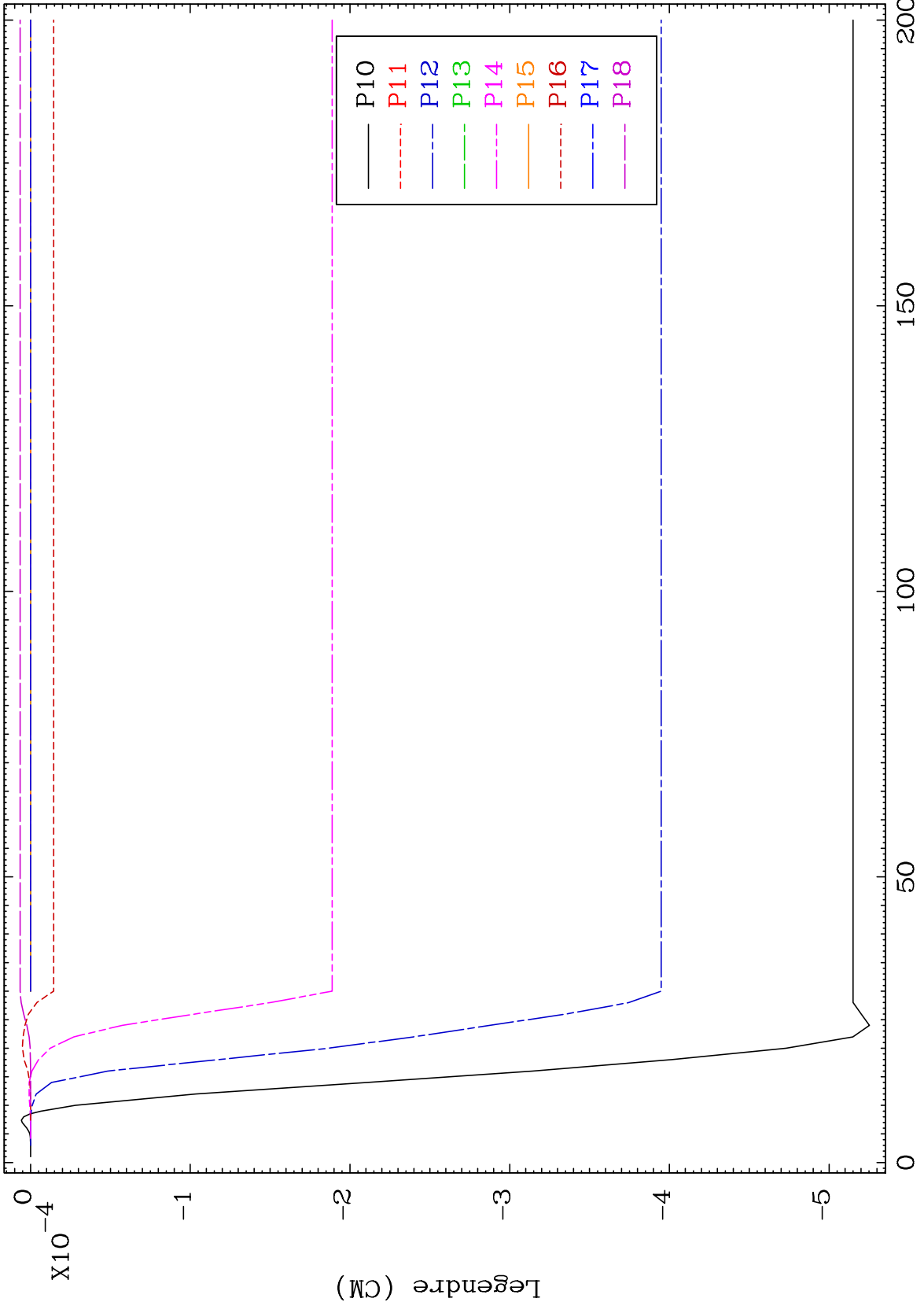
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



47

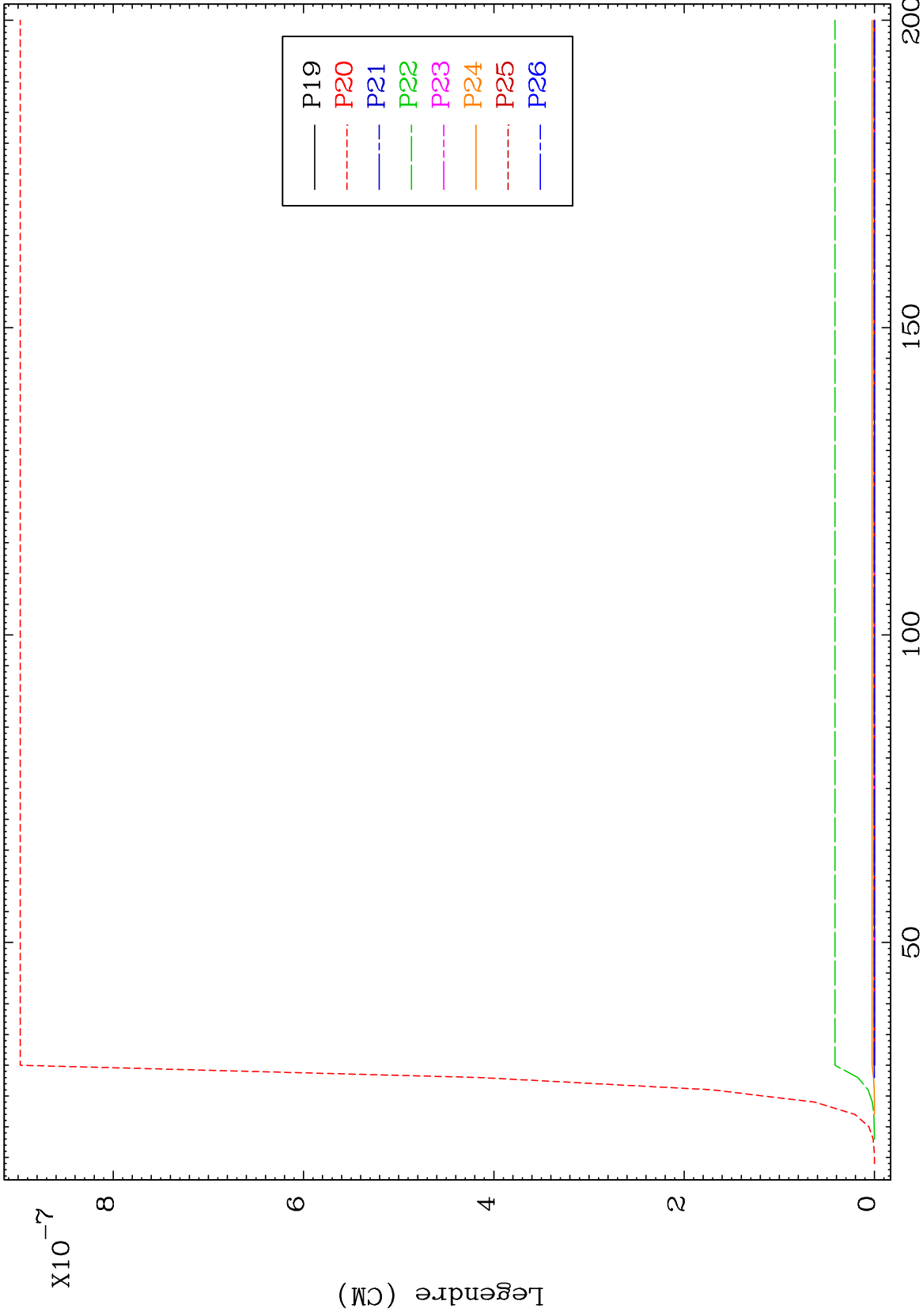
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



48

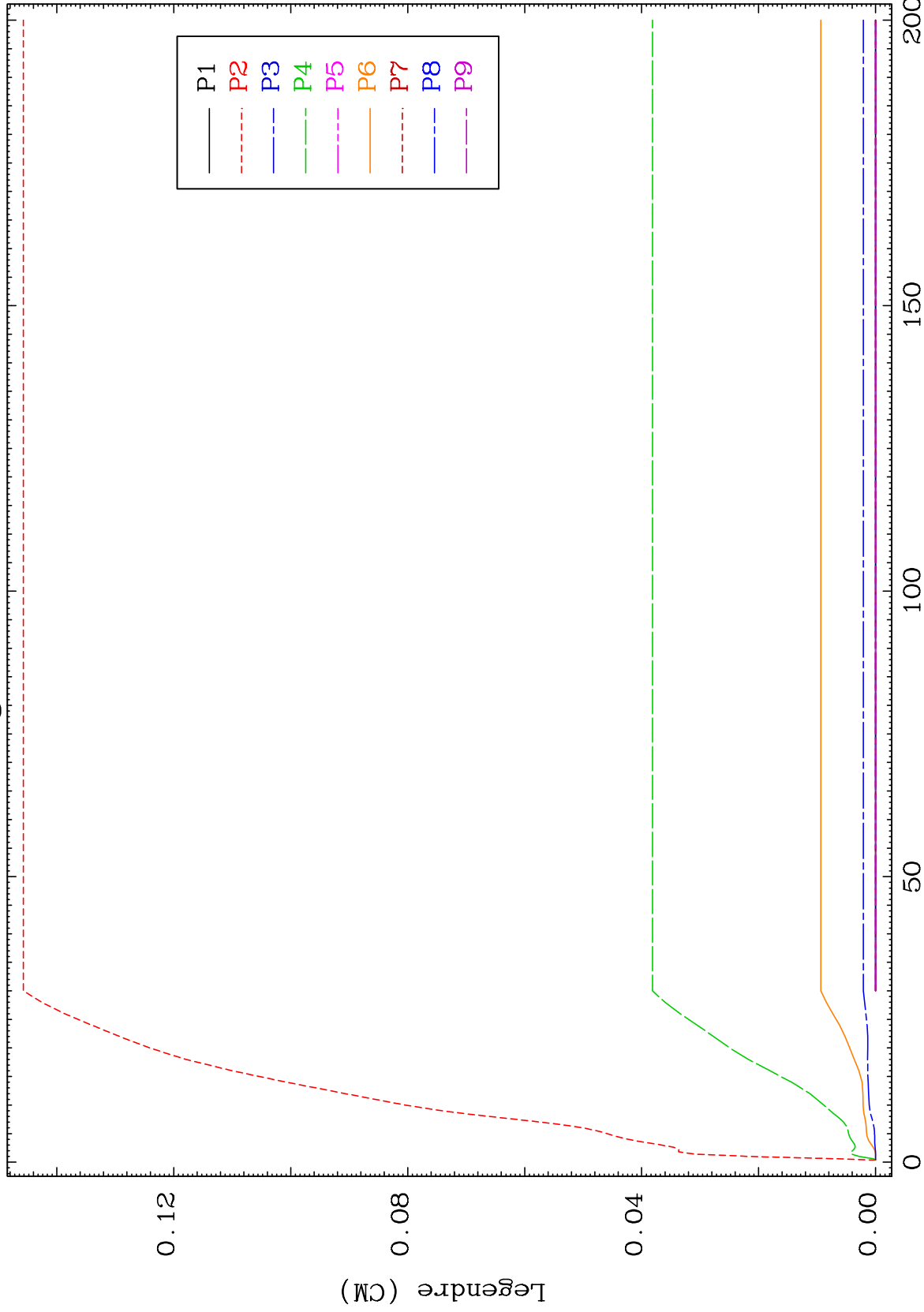
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



49

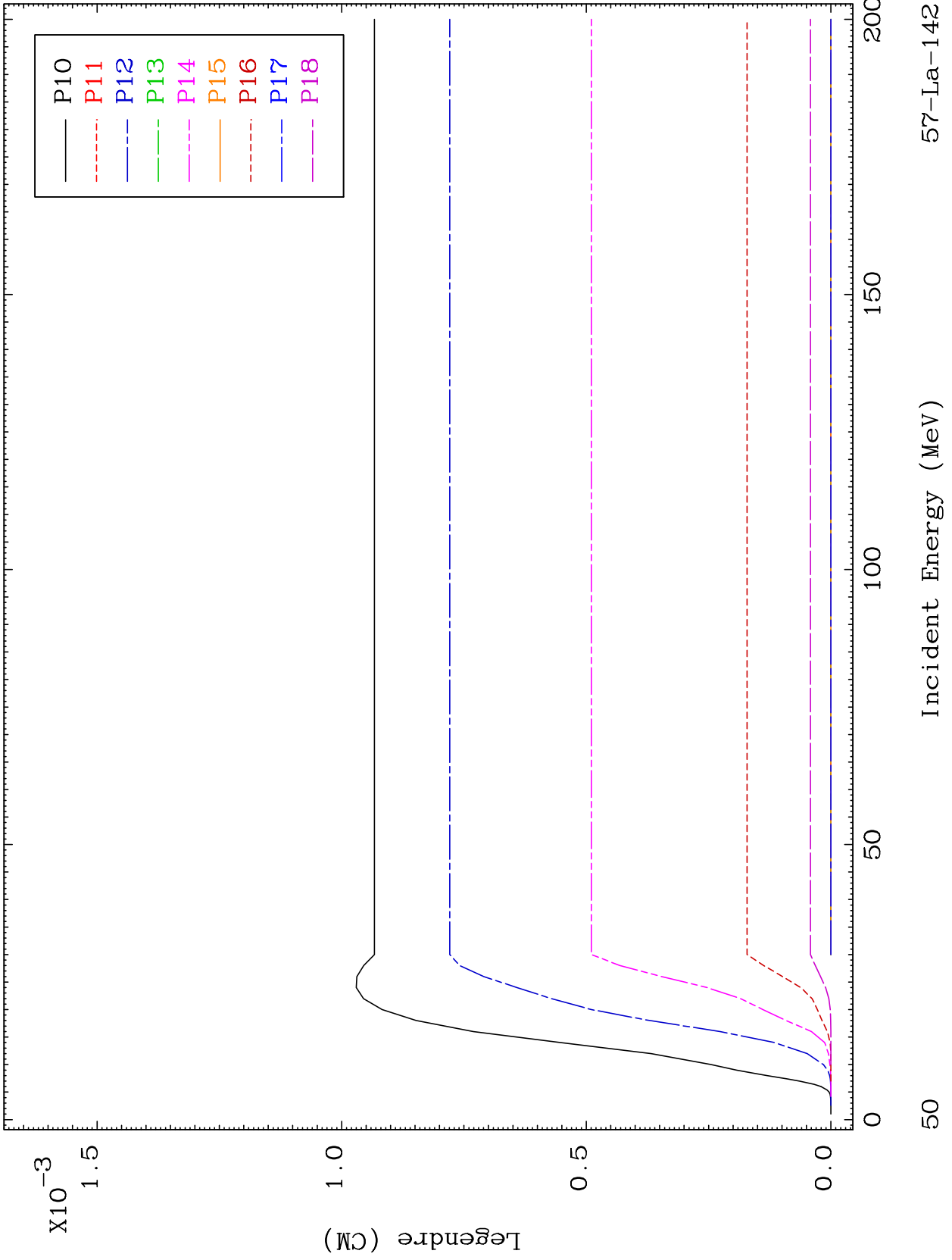
Incident Energy (MeV)

57-La-142

MAT 5737

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

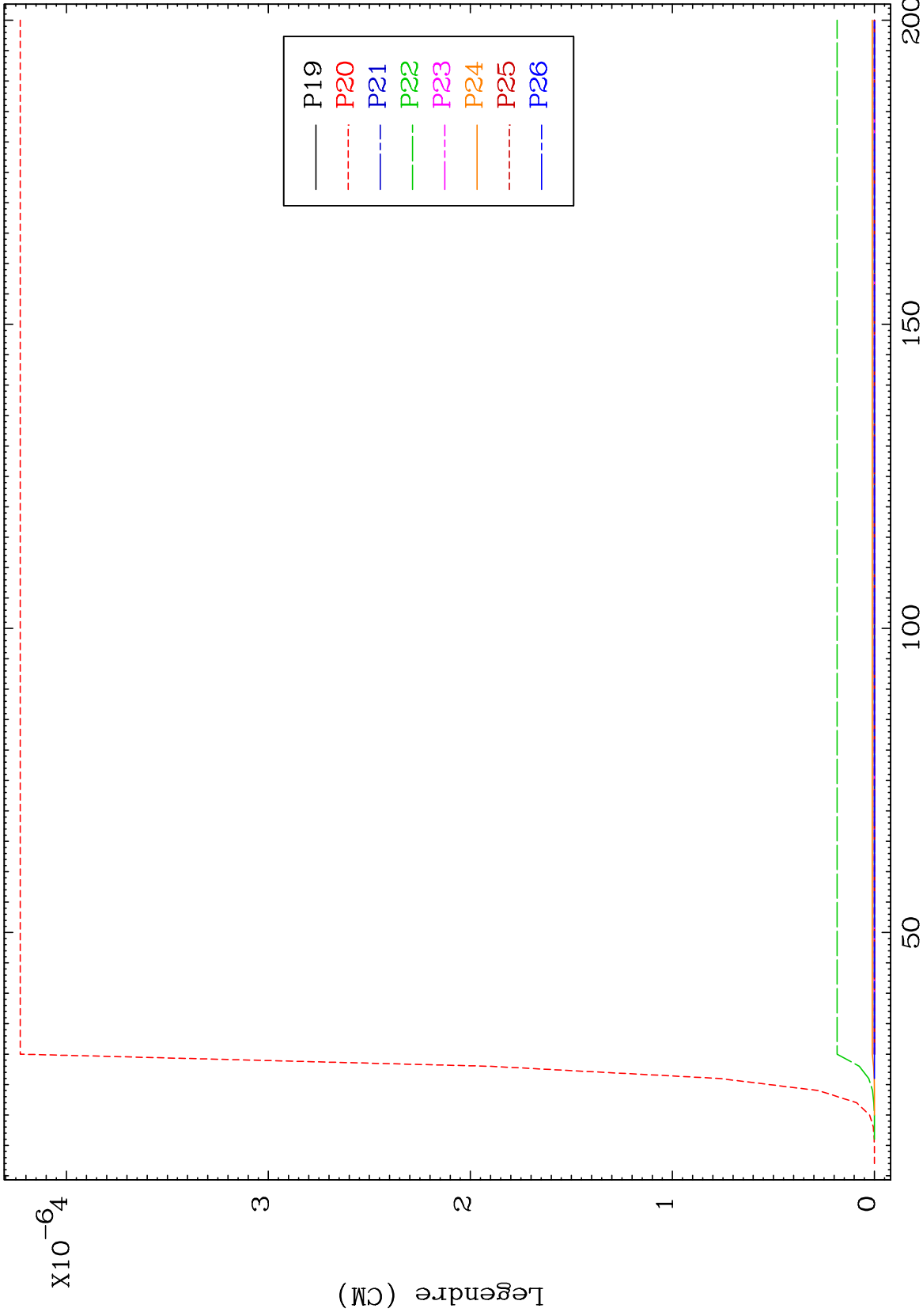
57-La-142



MAT 5737

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

57-La-142



51

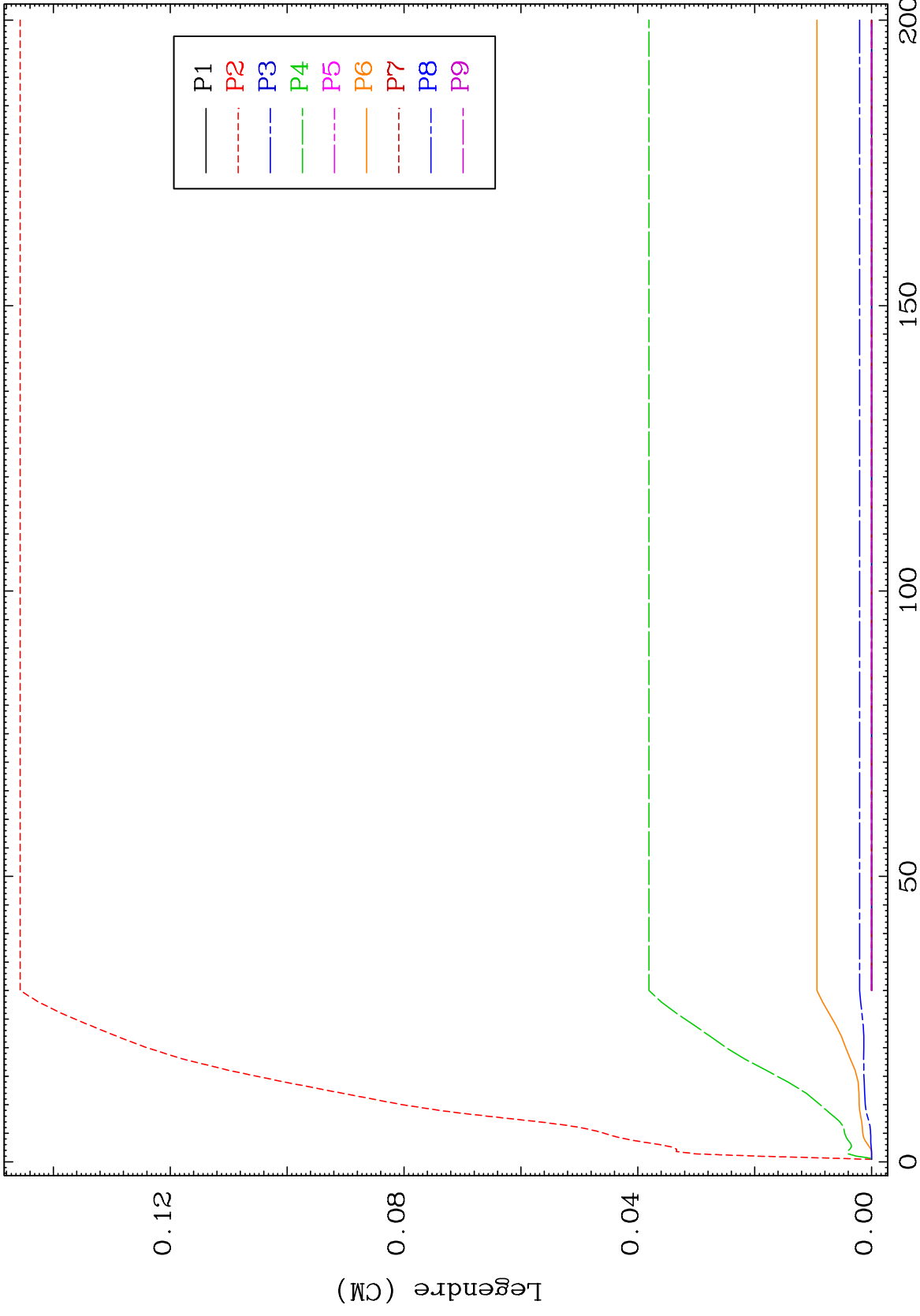
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



52

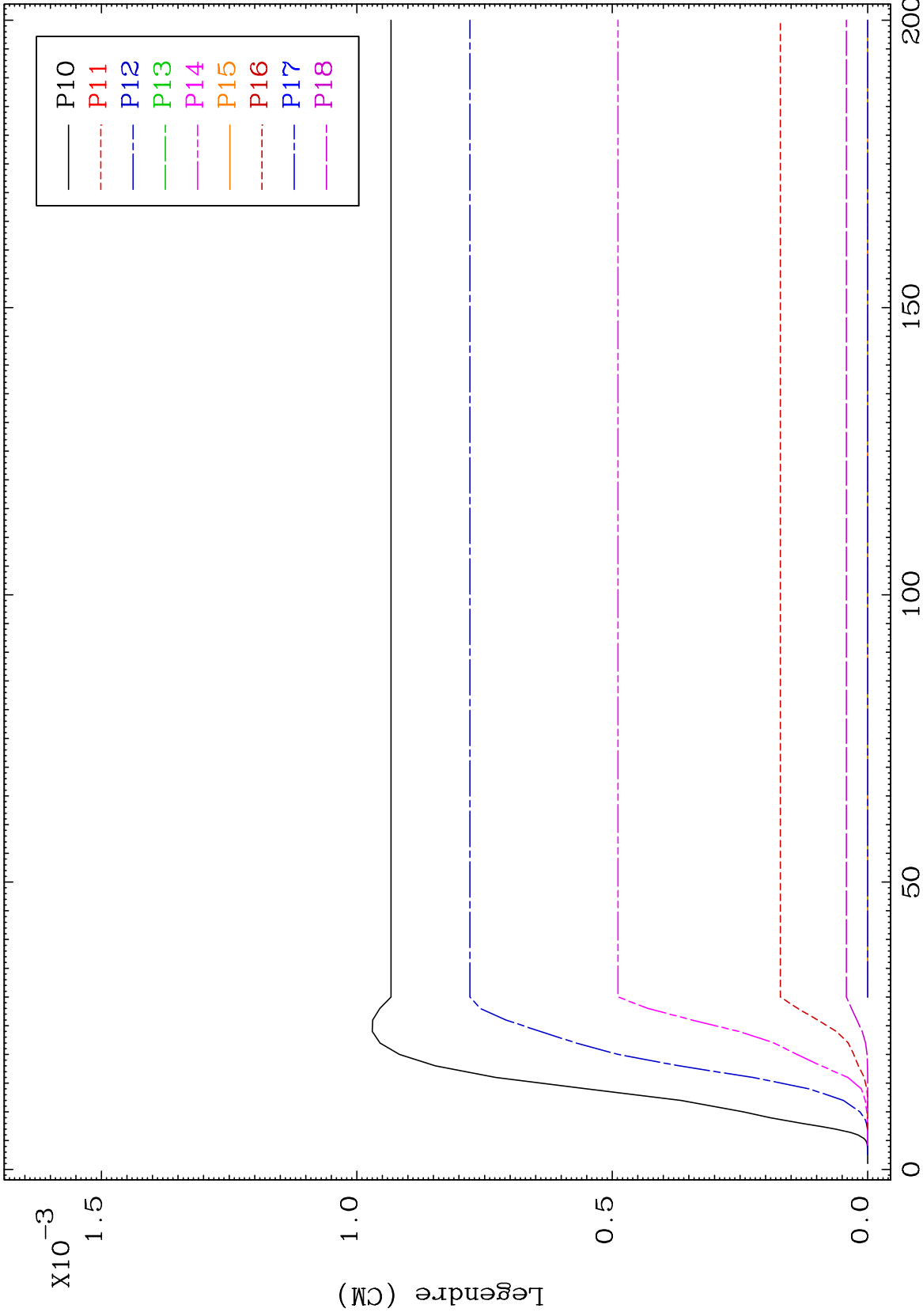
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



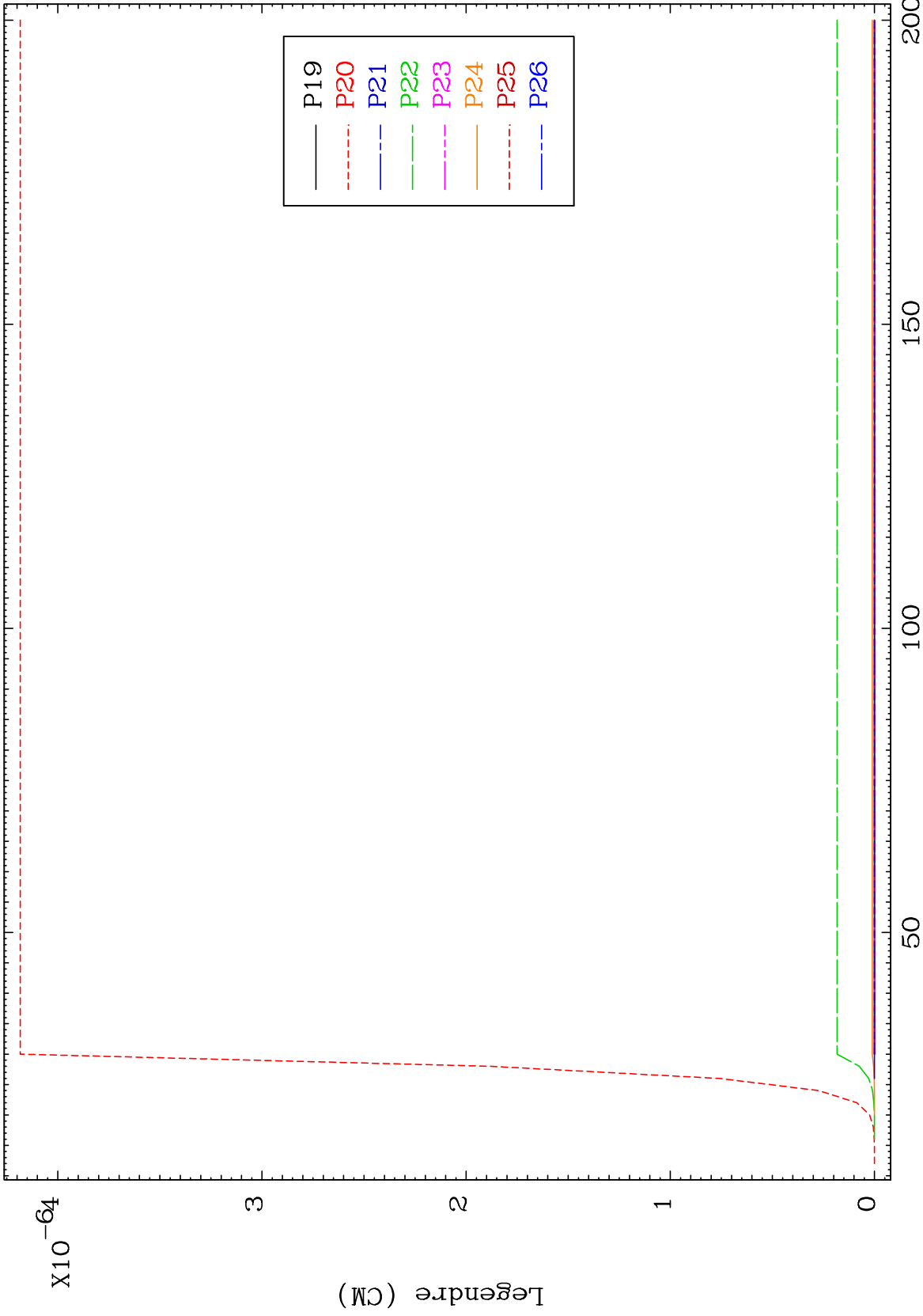
53

57-La-142

MAT 5737

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

57-La-142



54

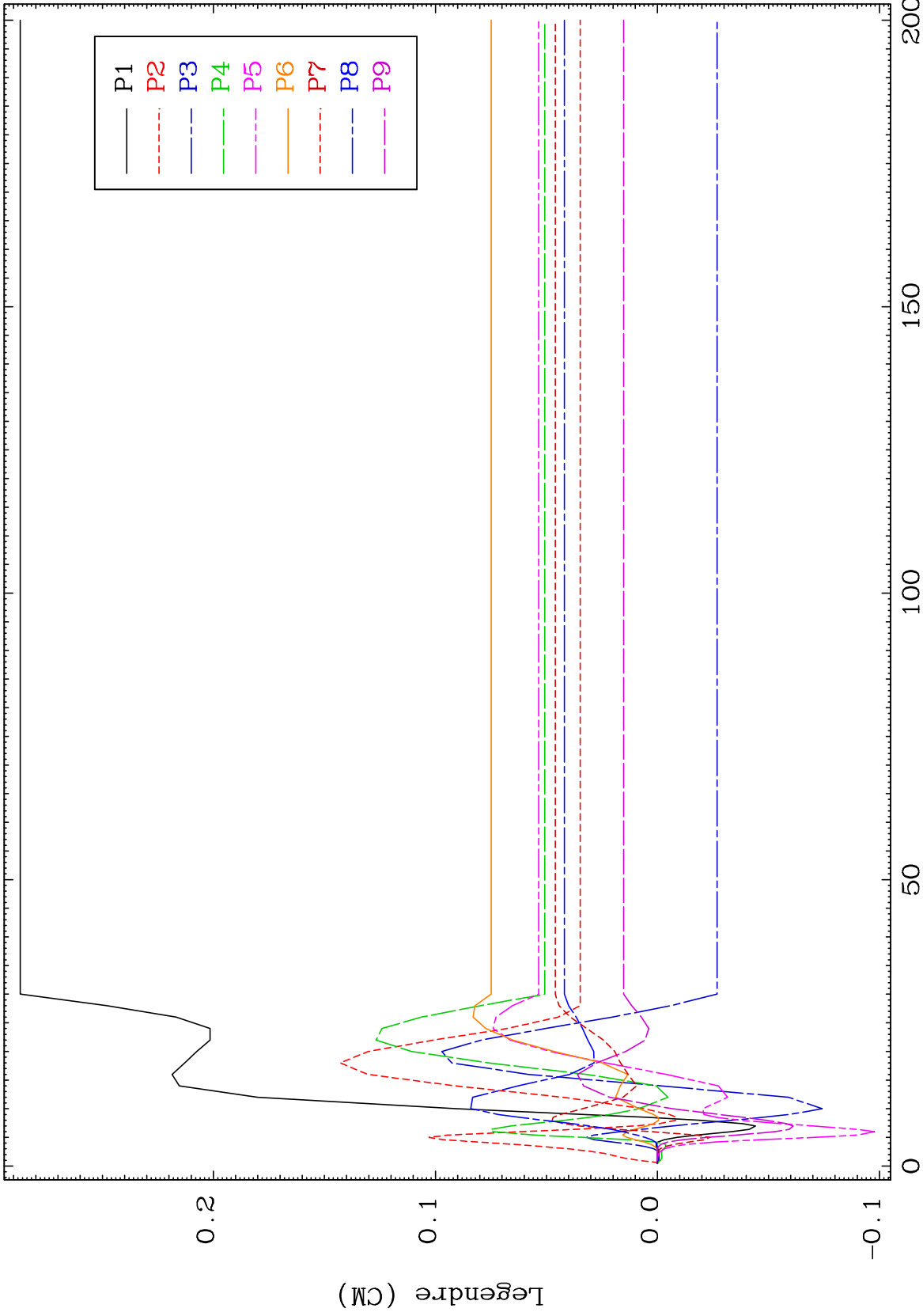
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



55

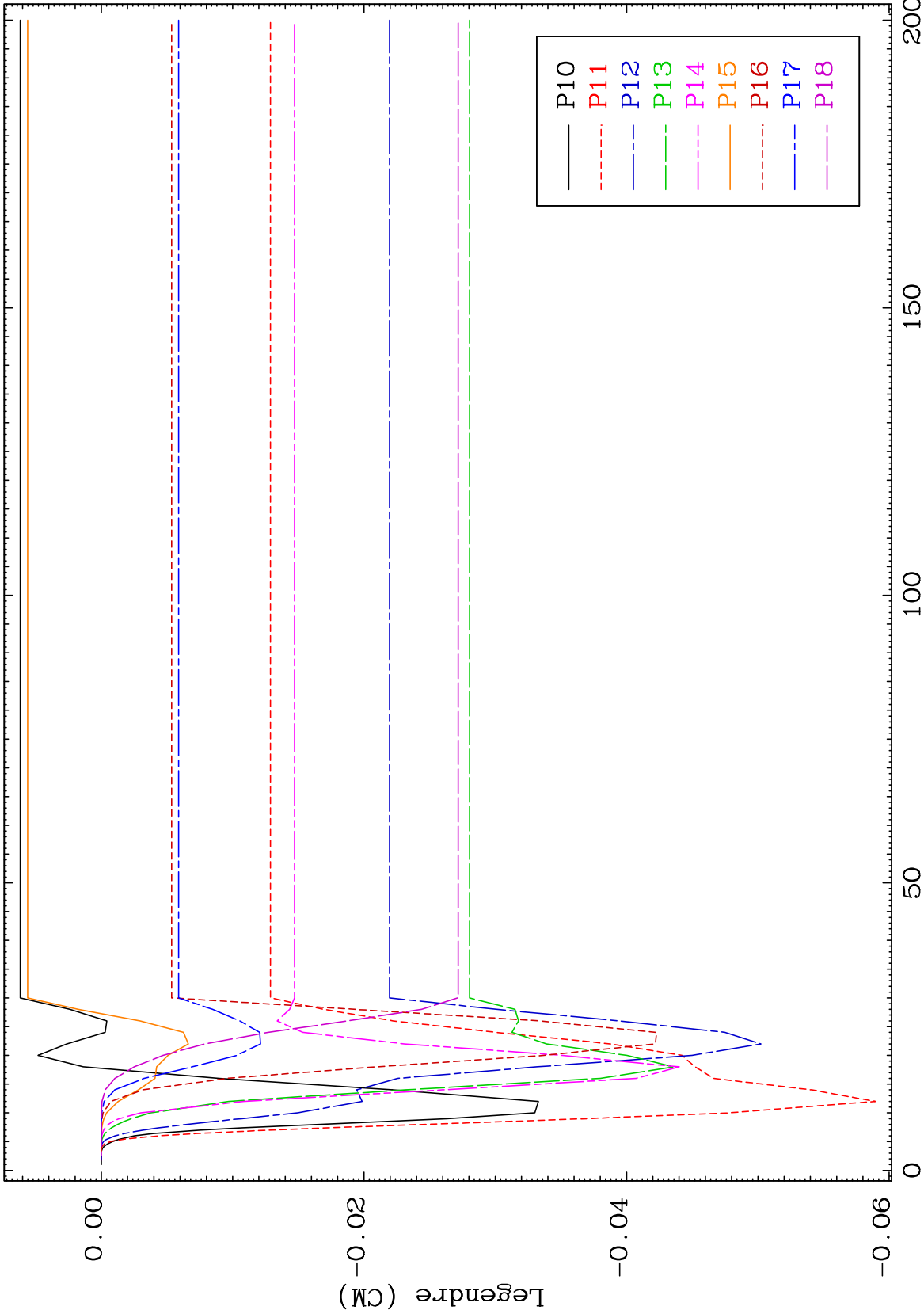
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142

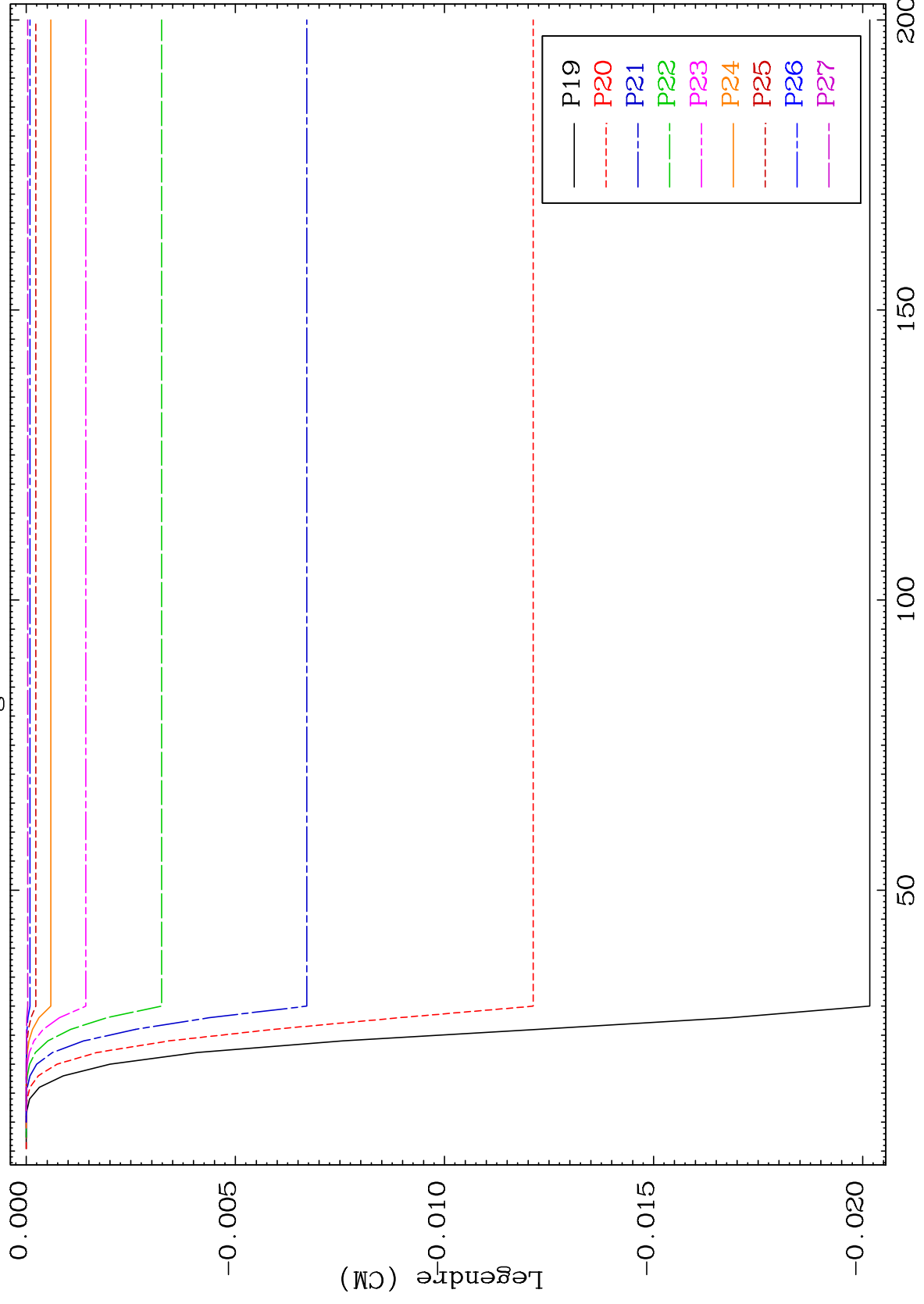


56

Incident Energy (MeV)

57-La-142

MAT 5737 MT= 62 (n,n') Level Legendre Coefficients 57-La-142

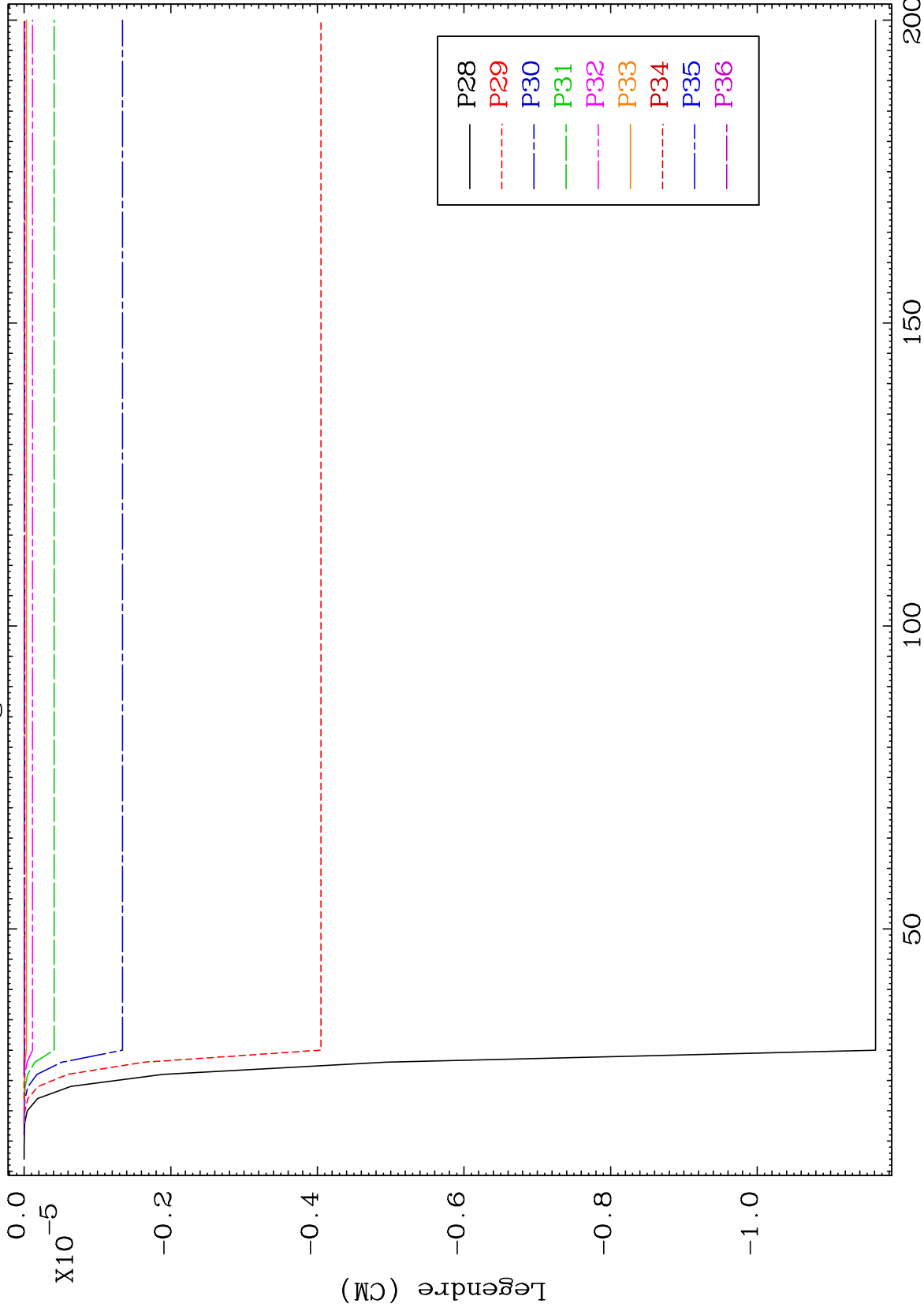


57 57-La-142

MAT 5737

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

57-La-142



58

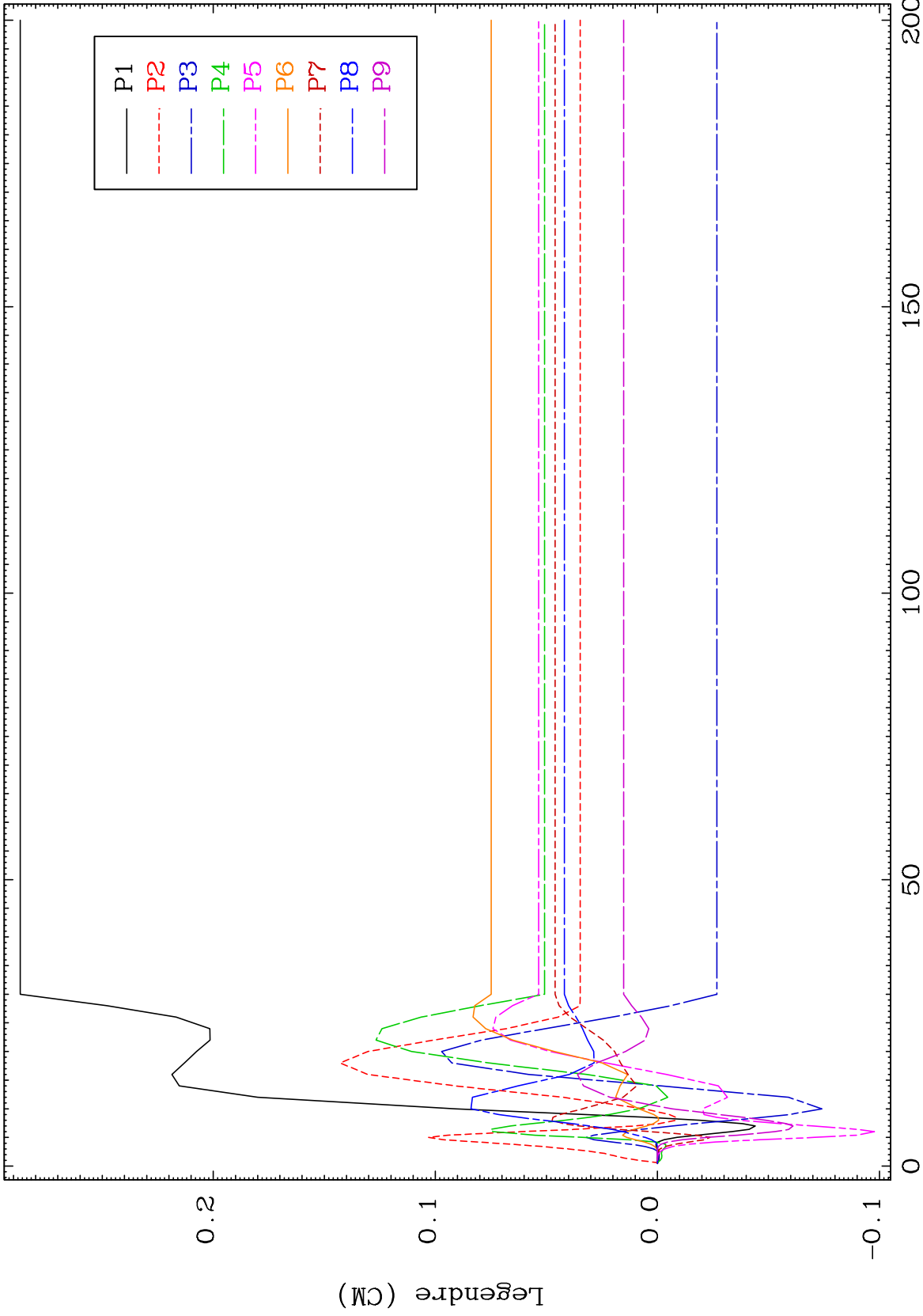
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



59

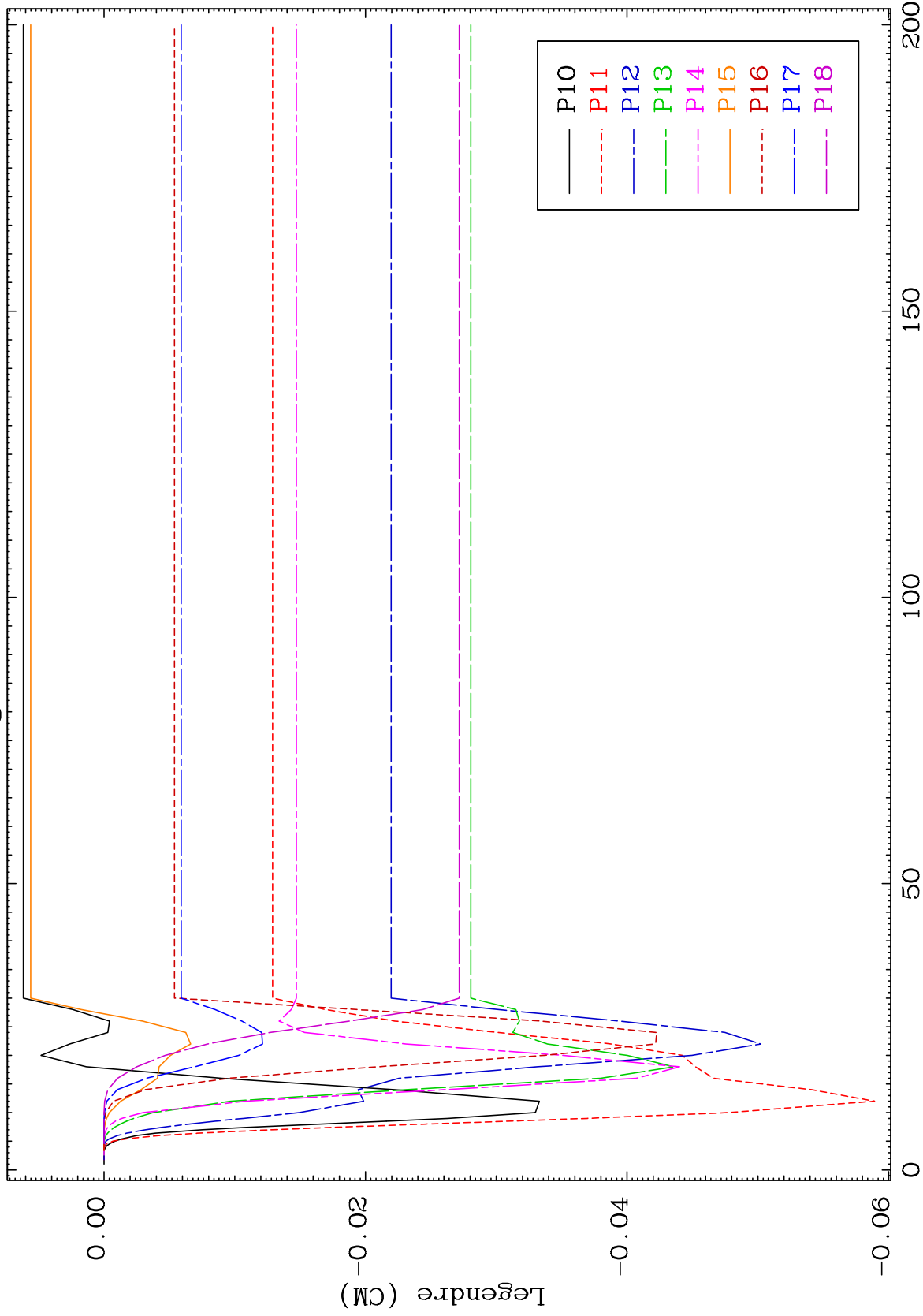
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



60

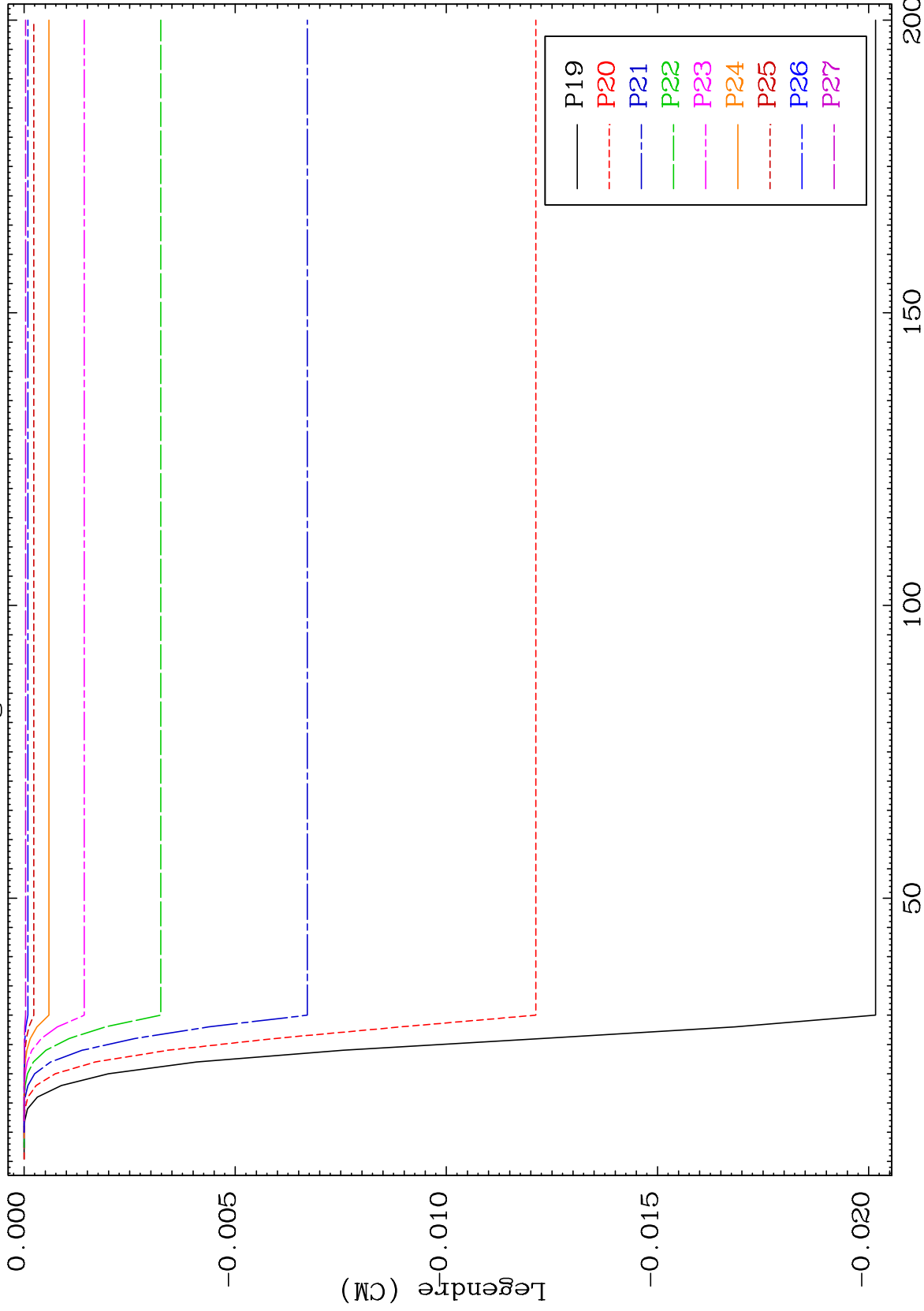
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



61

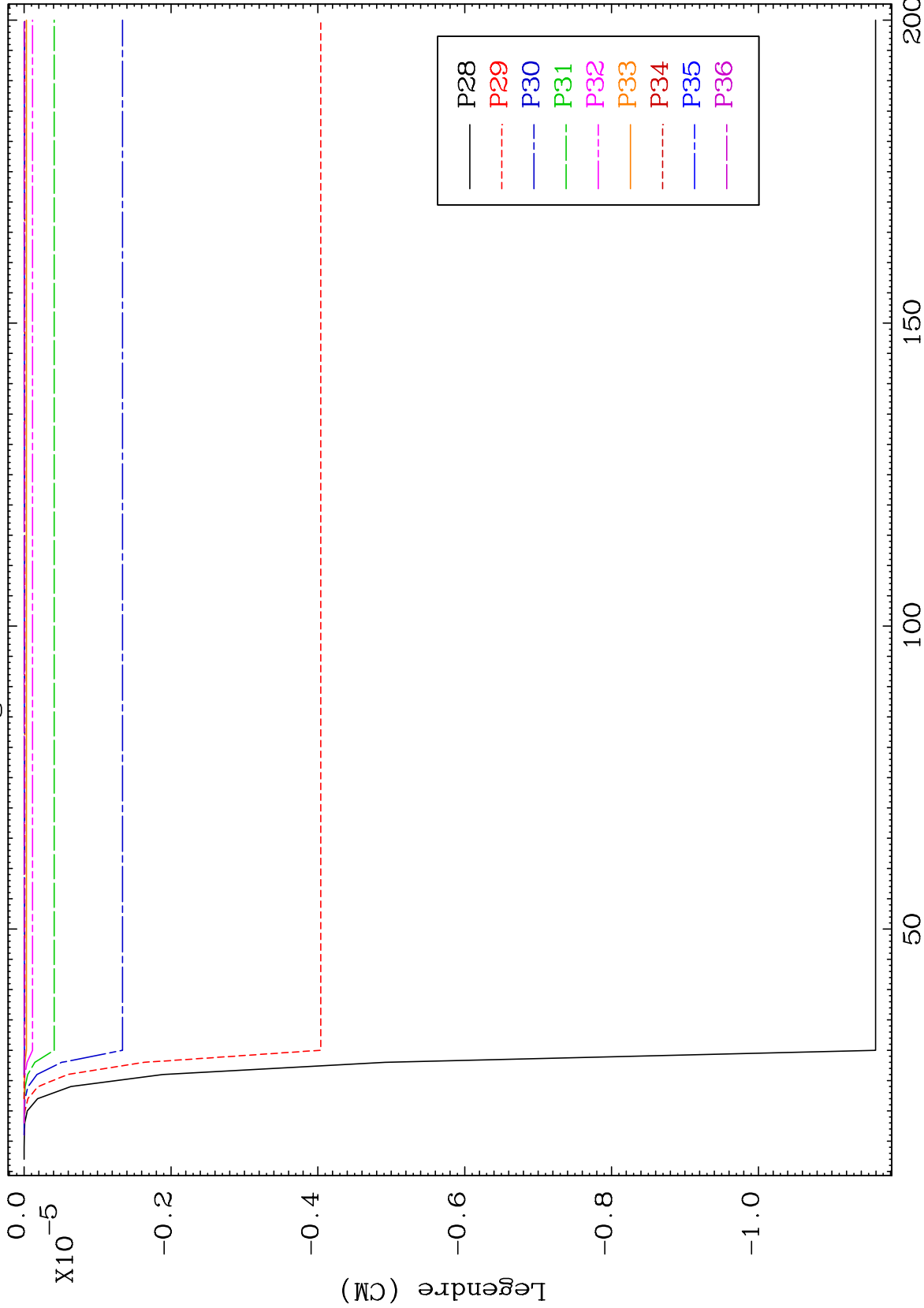
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



62

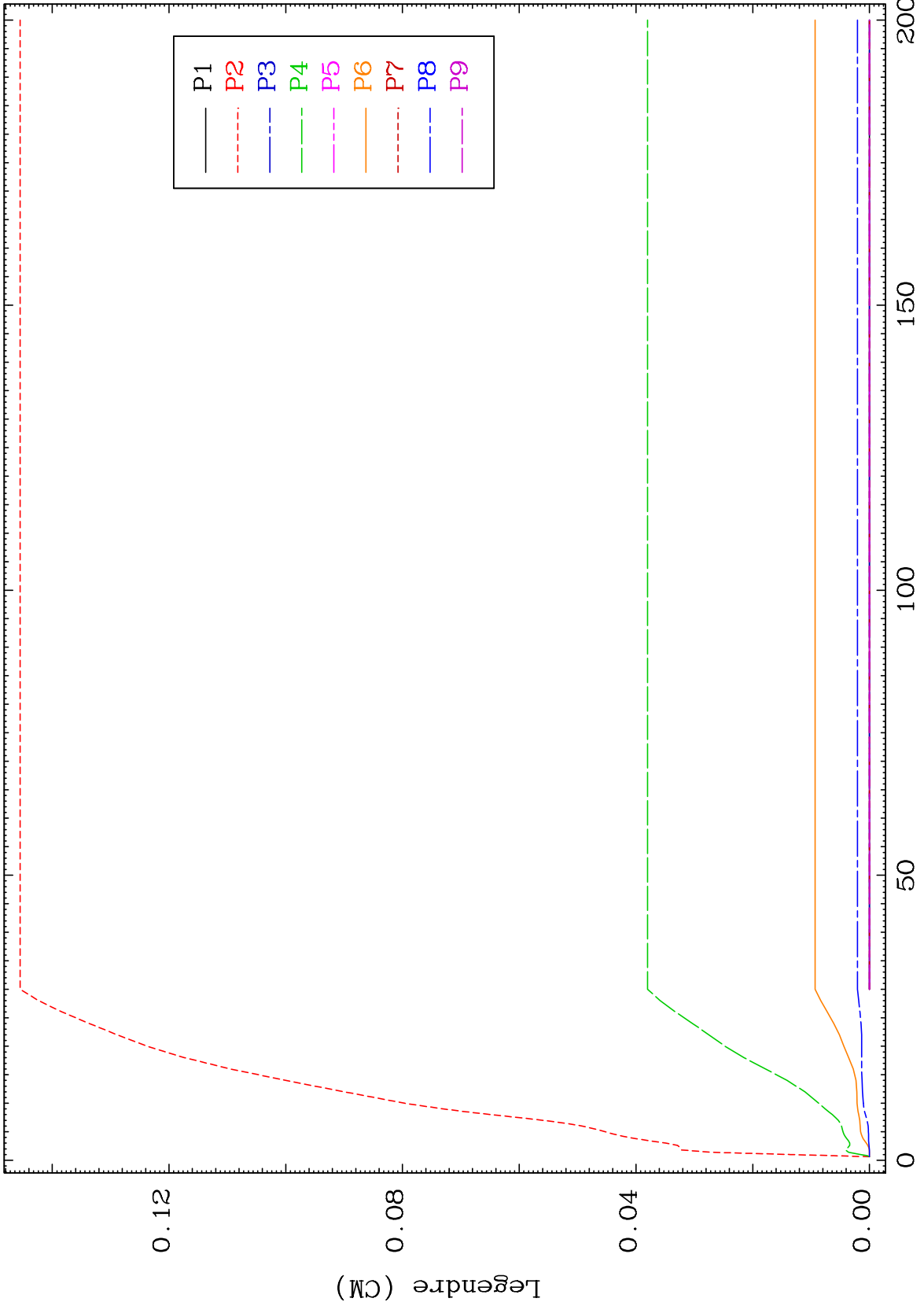
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



63

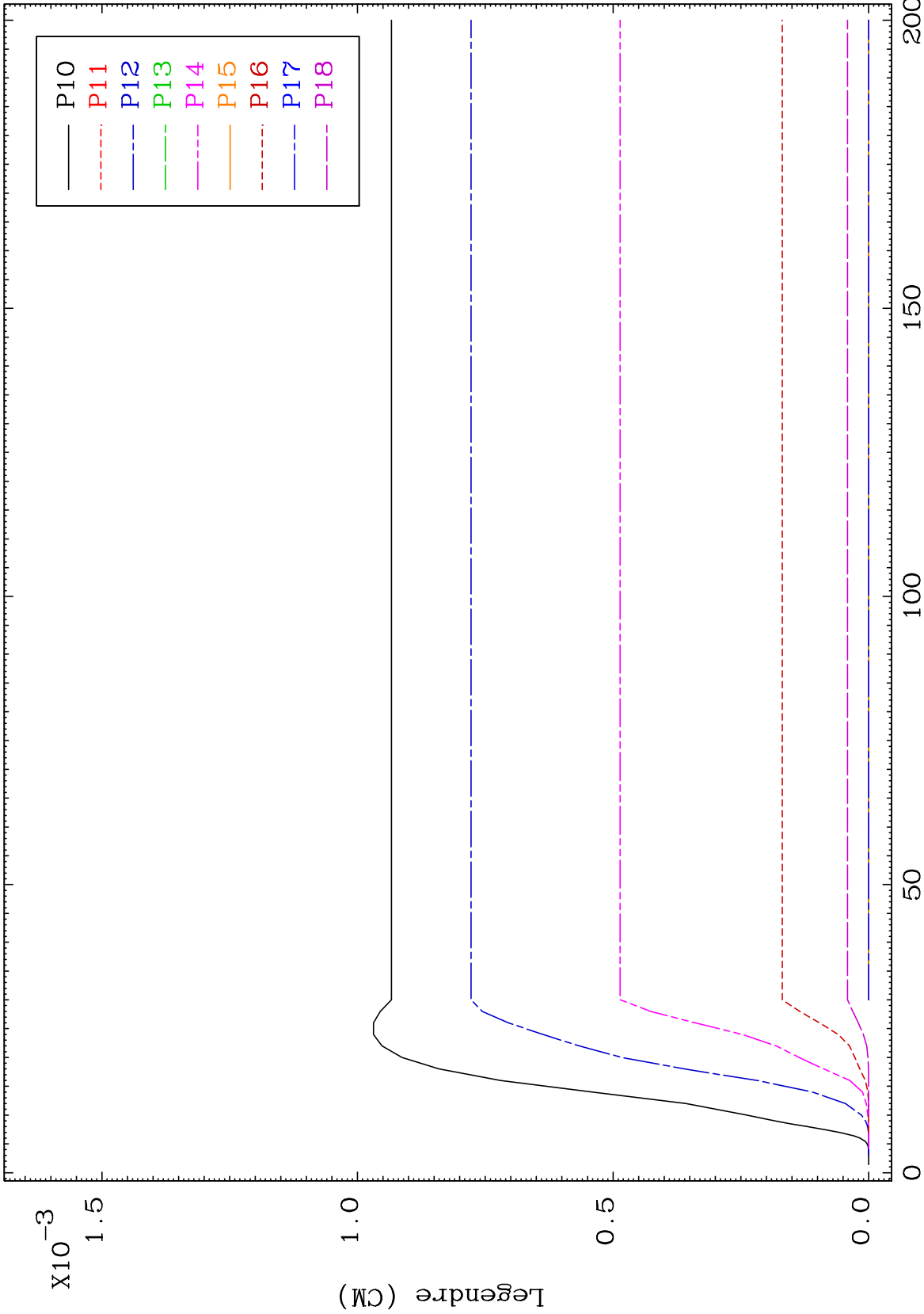
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



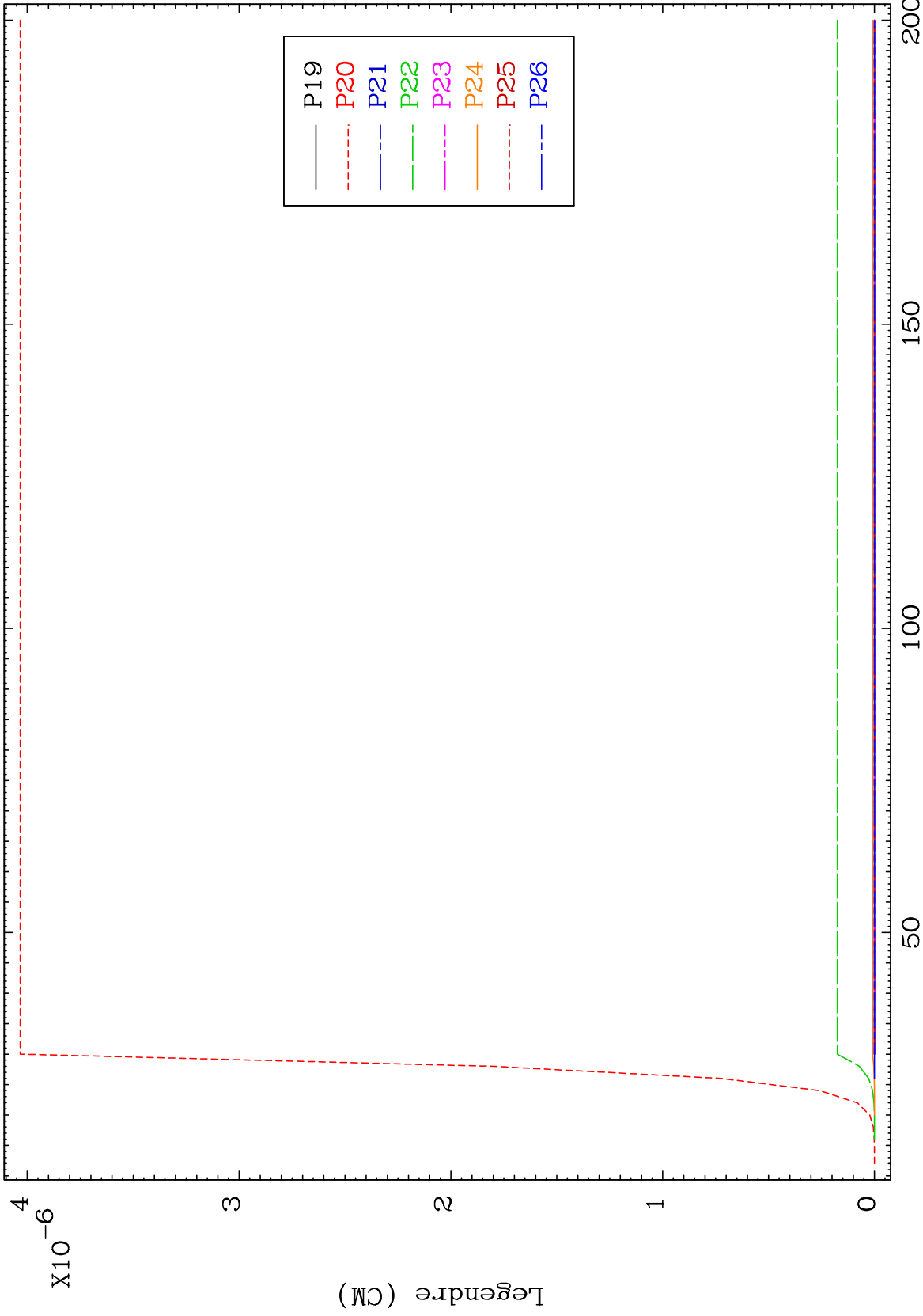
64

57-La-142

MAT 5737

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

57-La-142



65

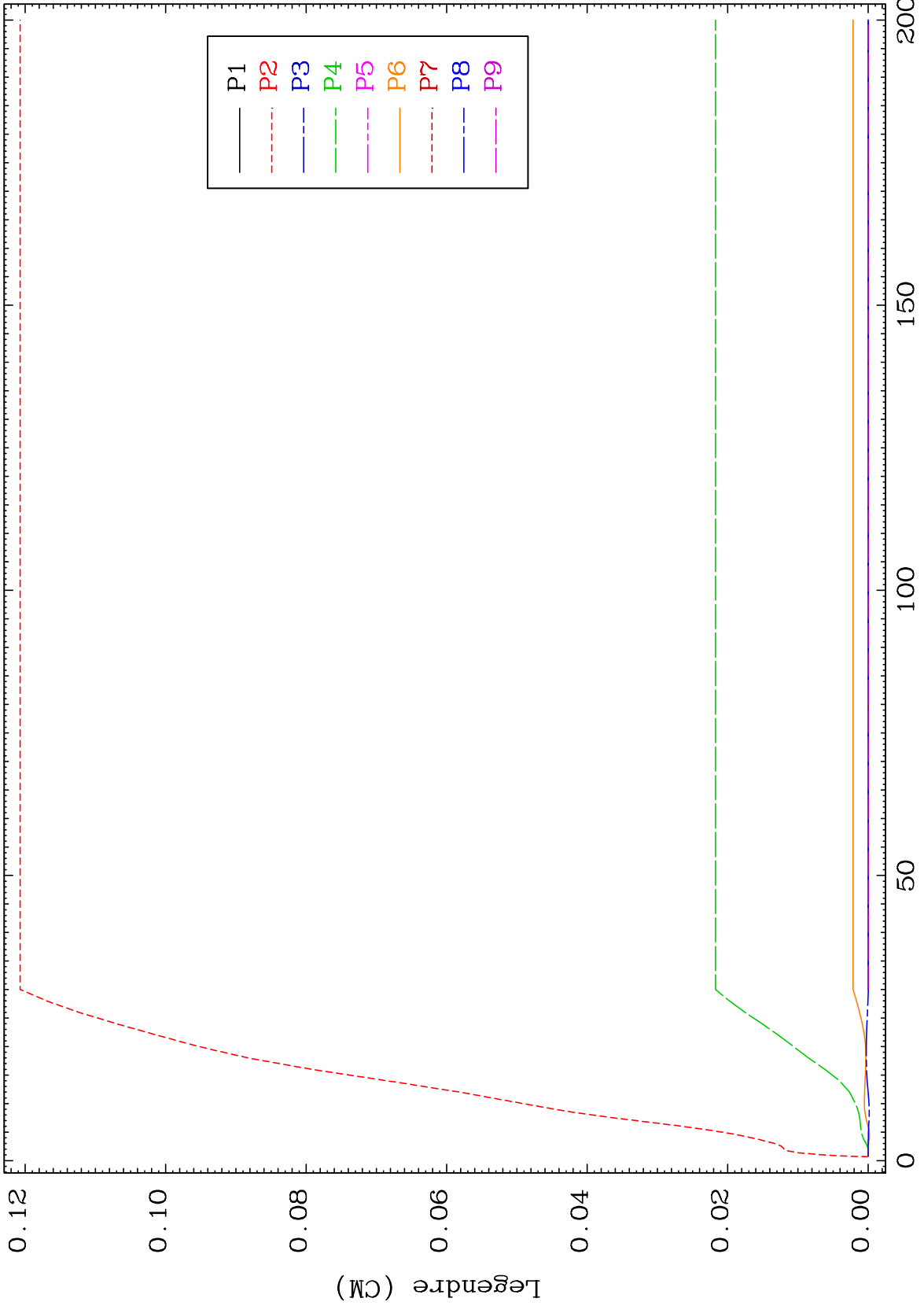
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



66

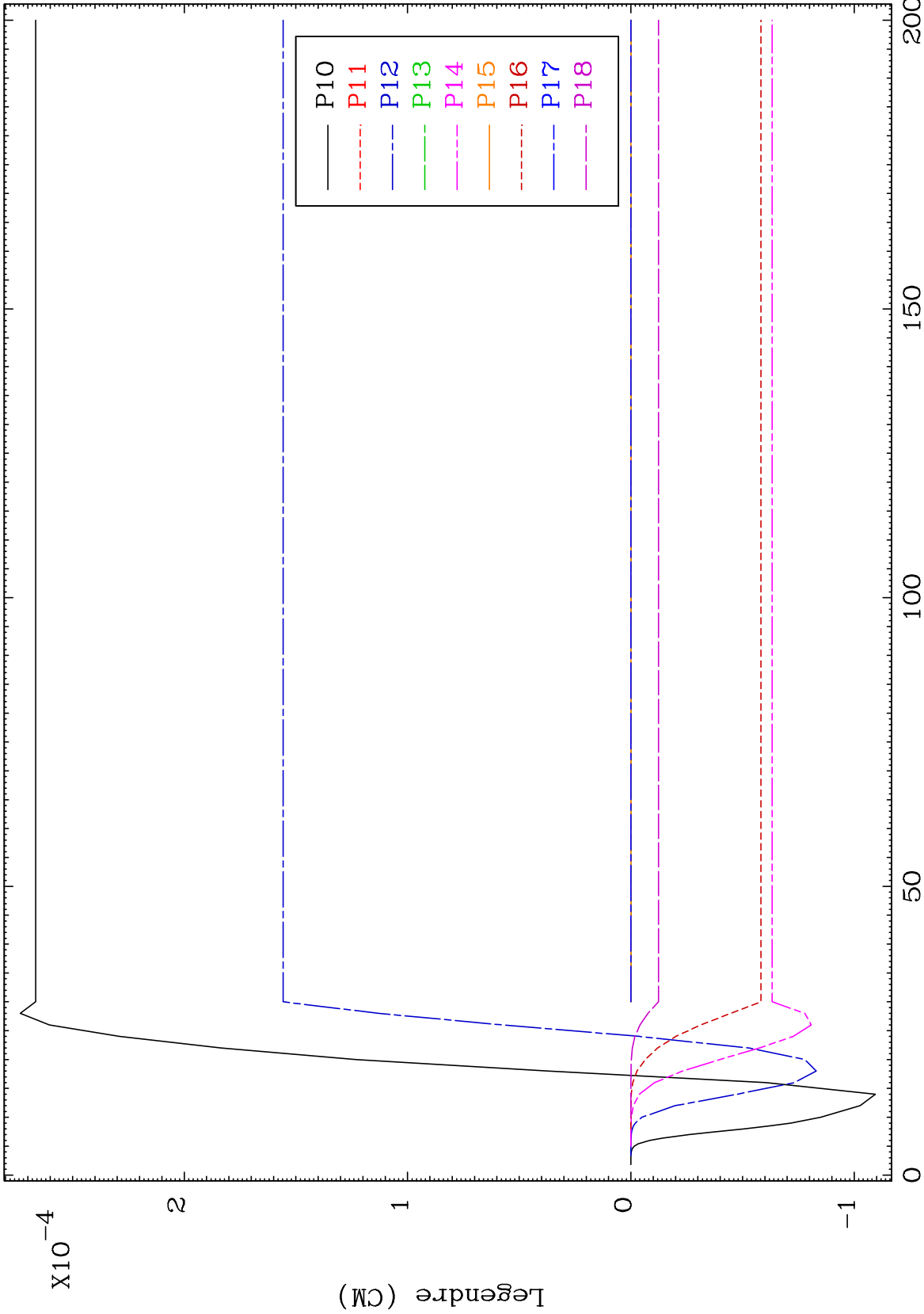
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



67

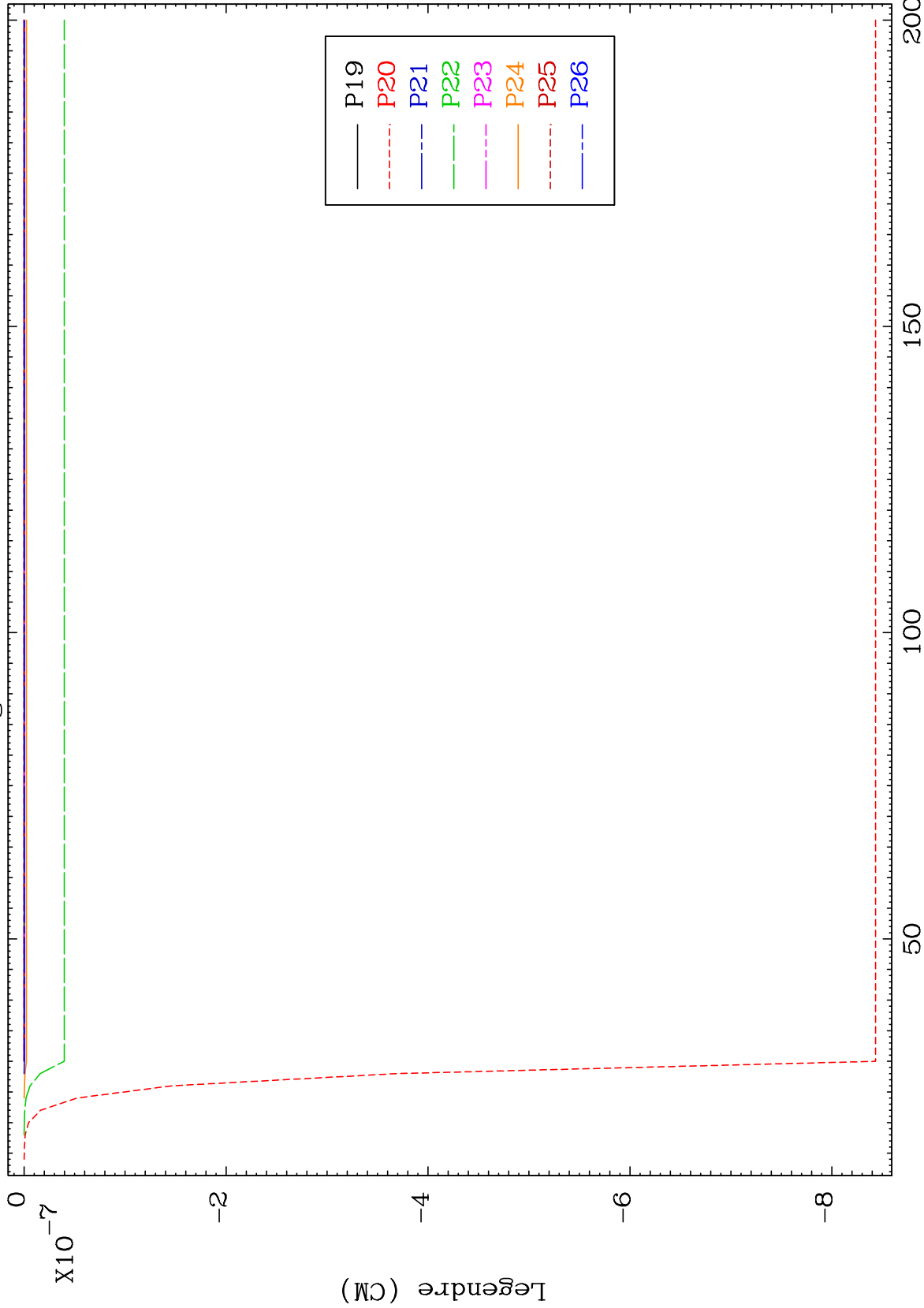
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



68

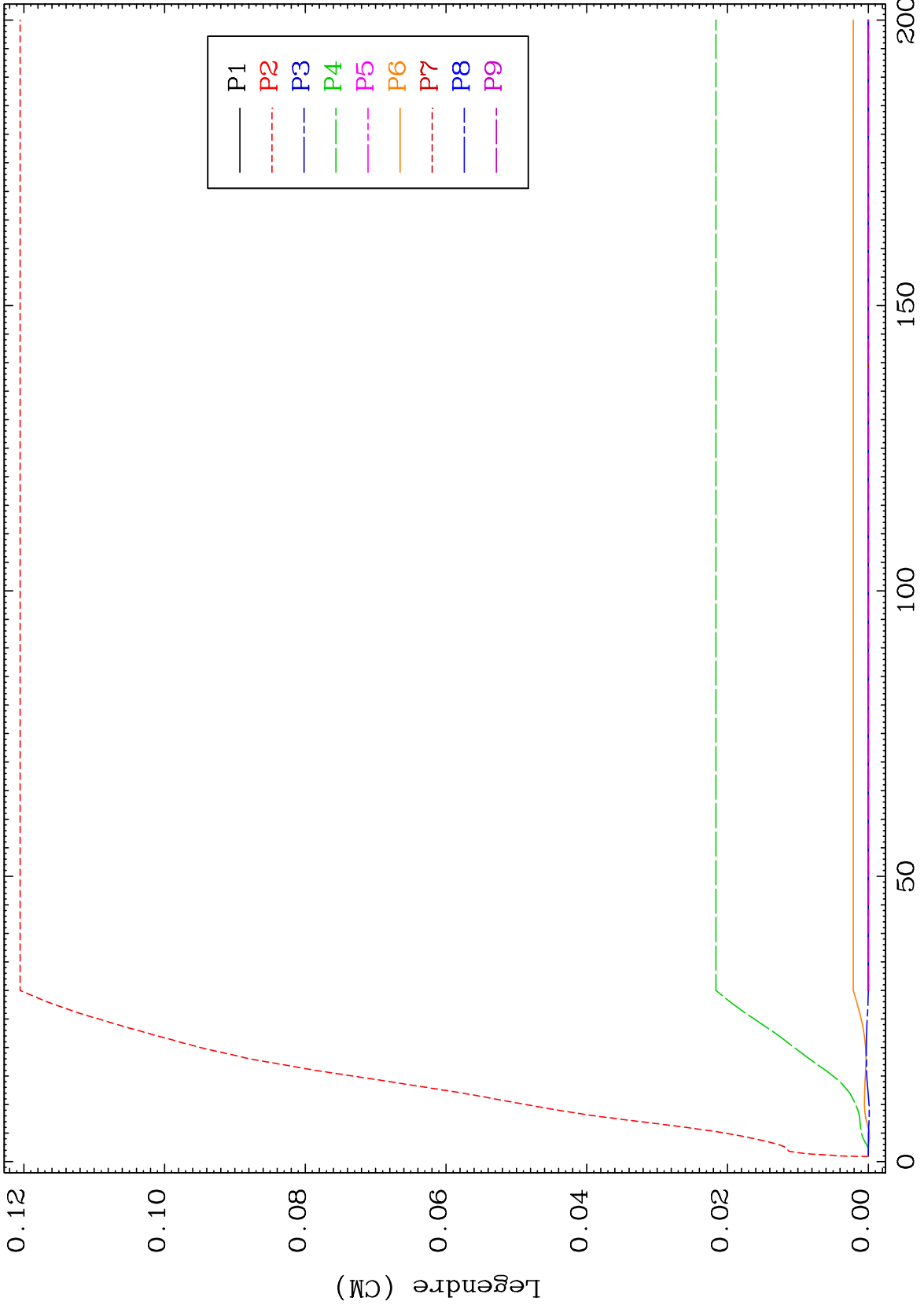
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



69

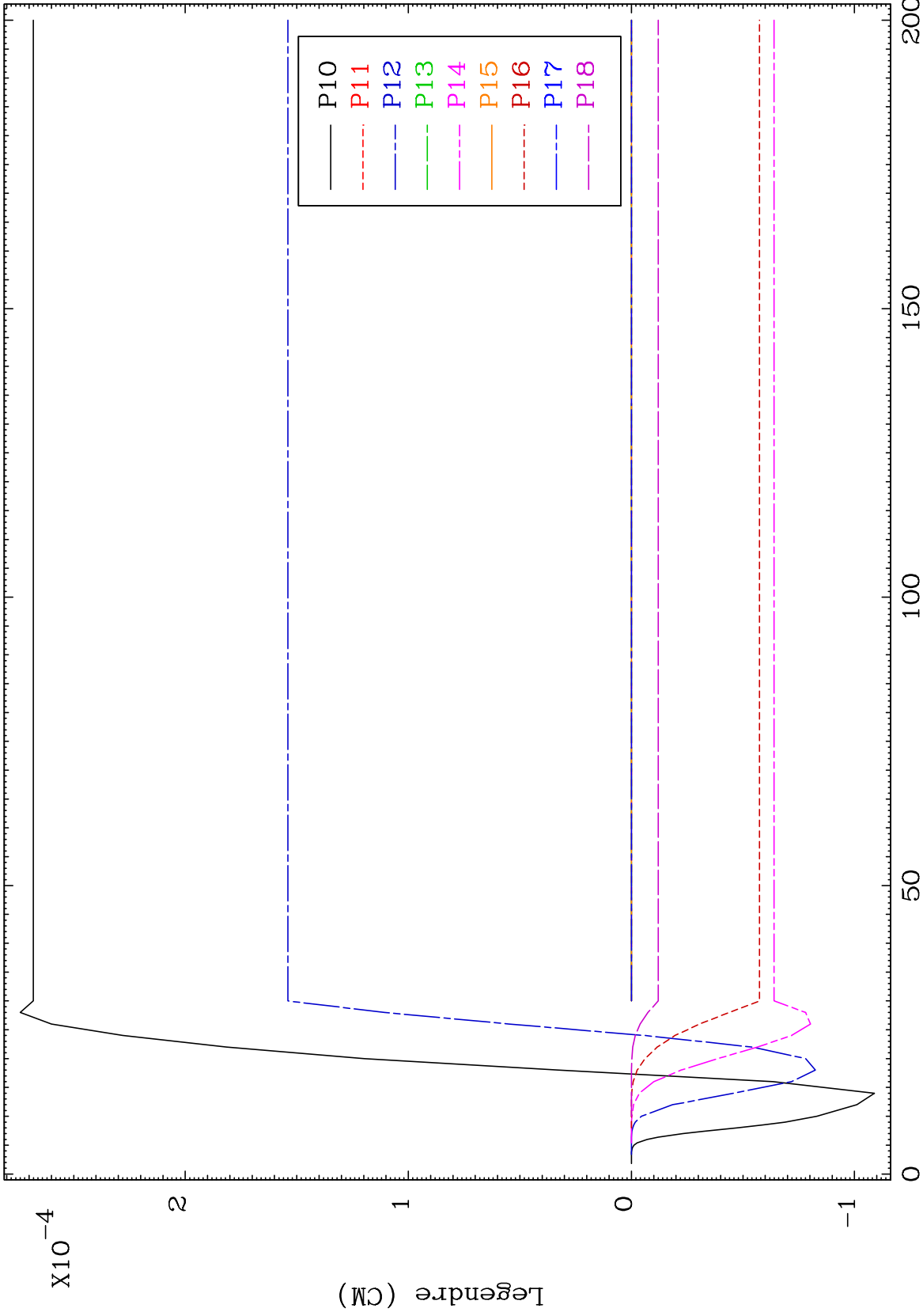
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



70

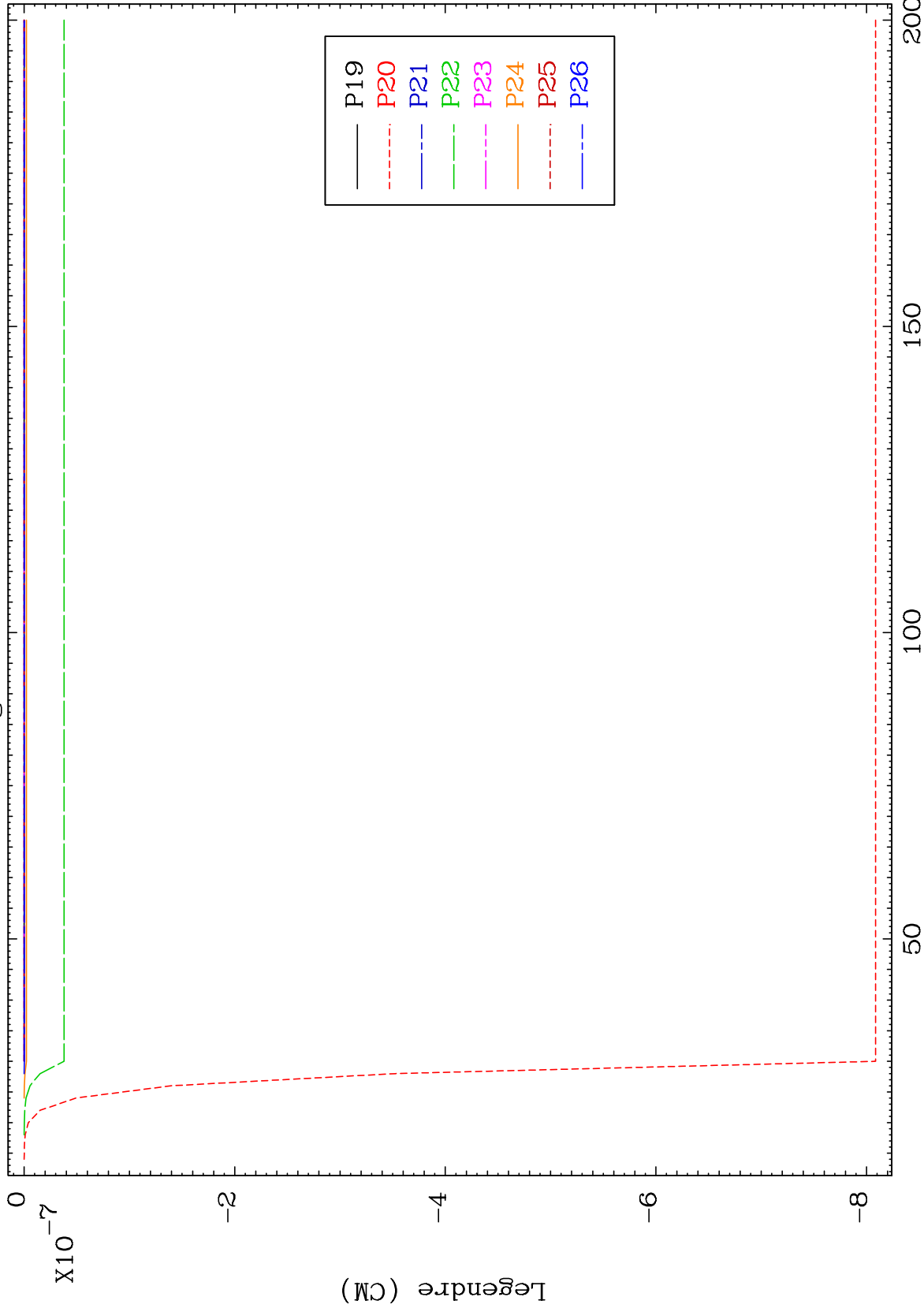
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



71

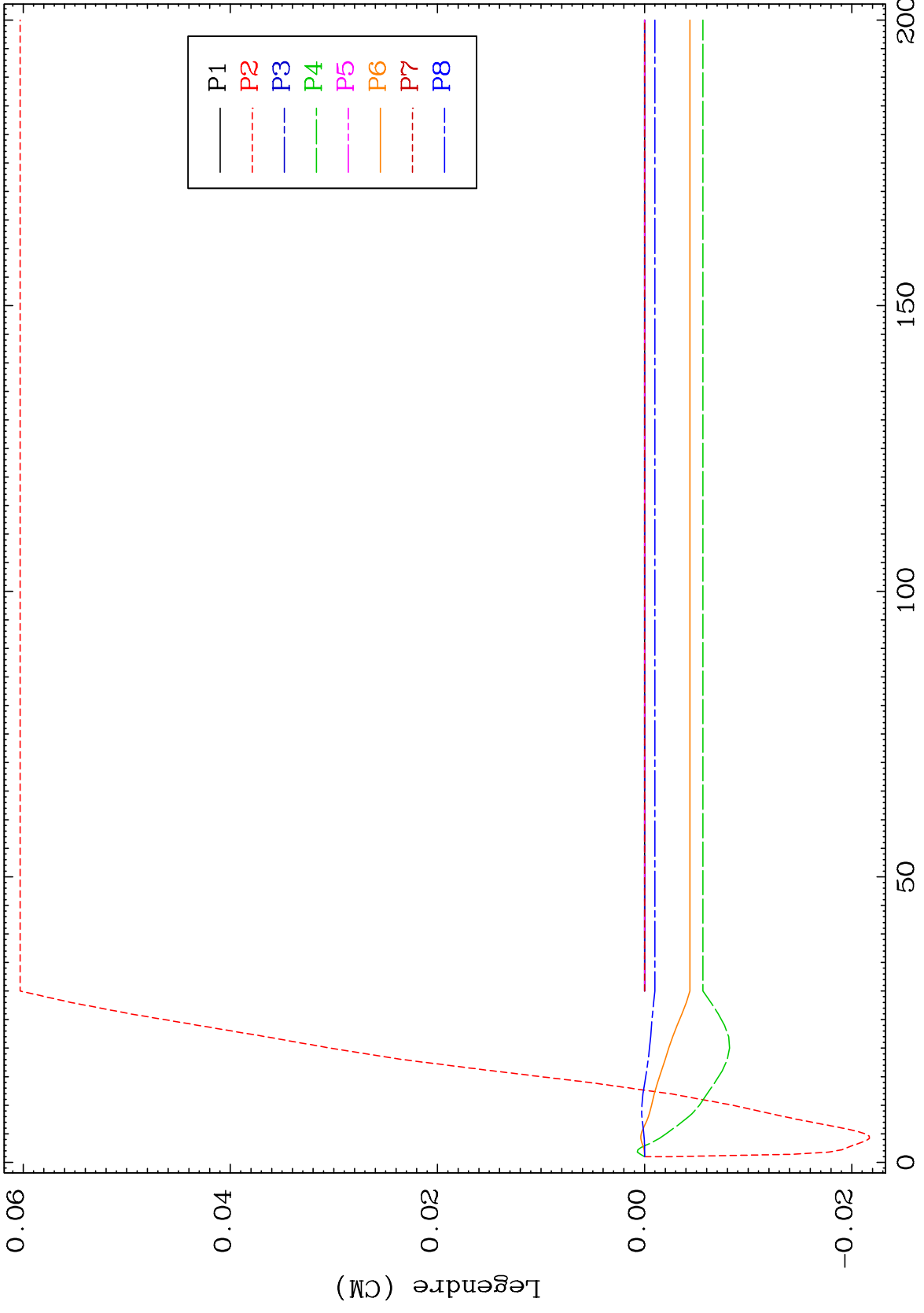
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



72

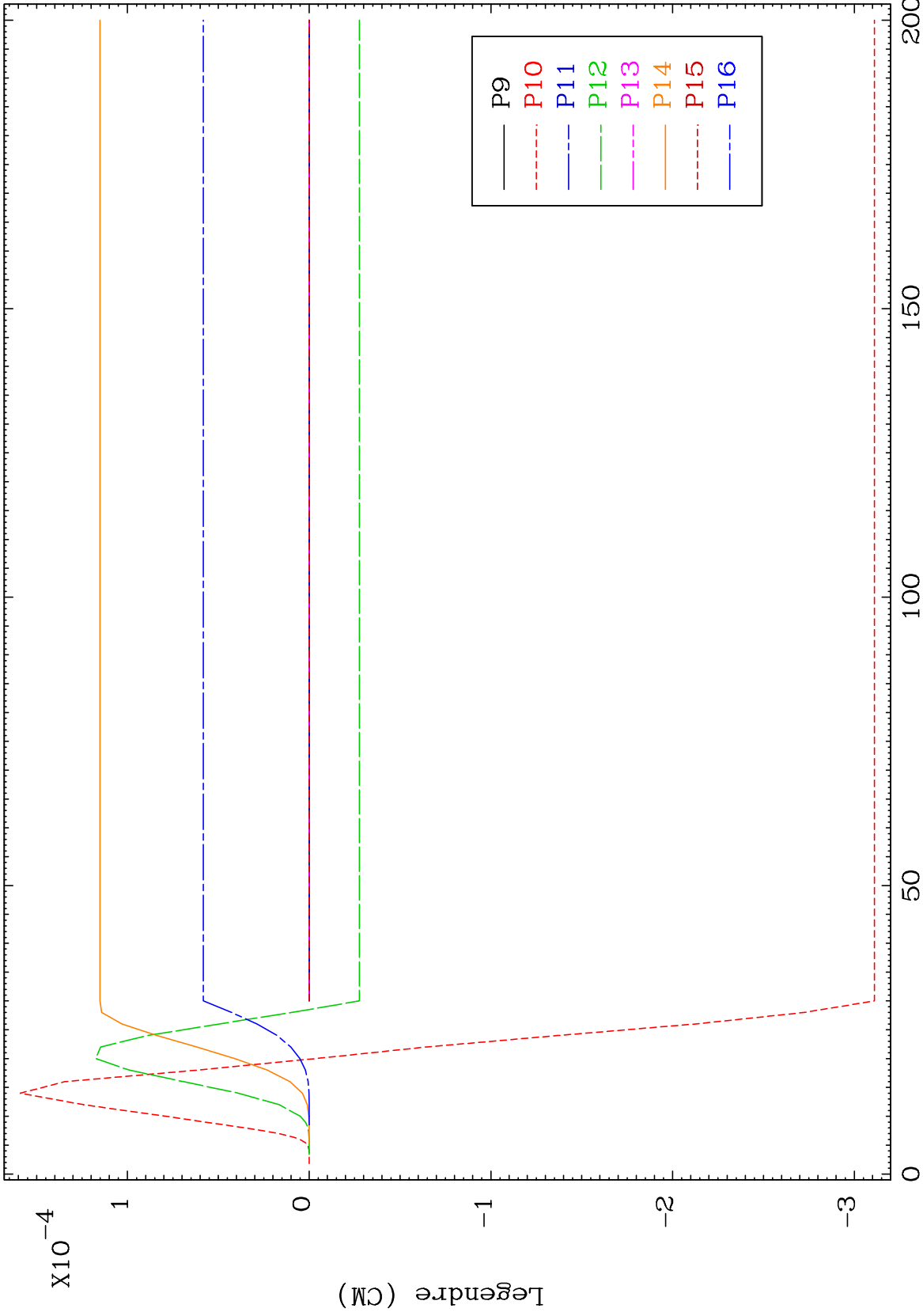
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



73

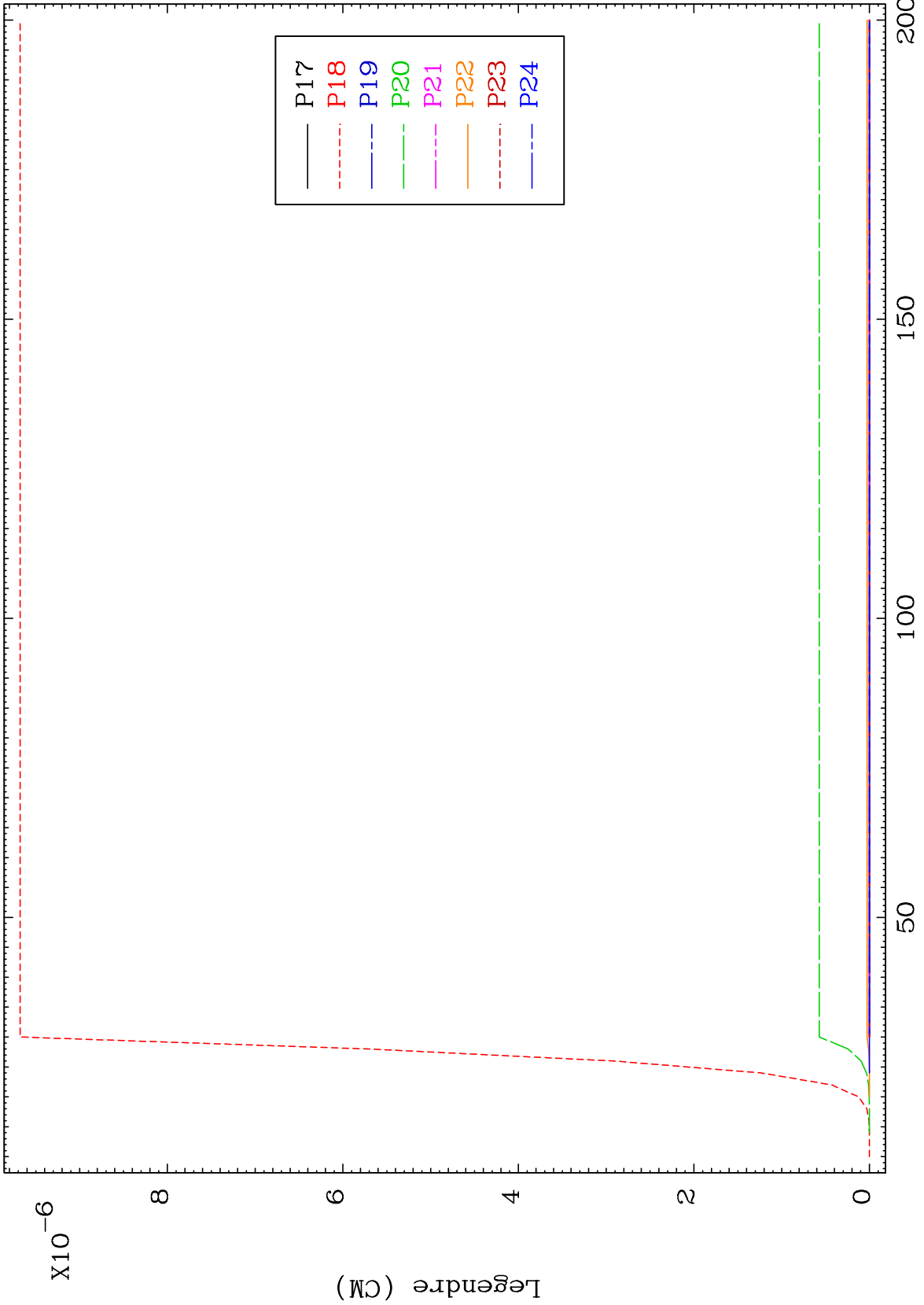
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



74

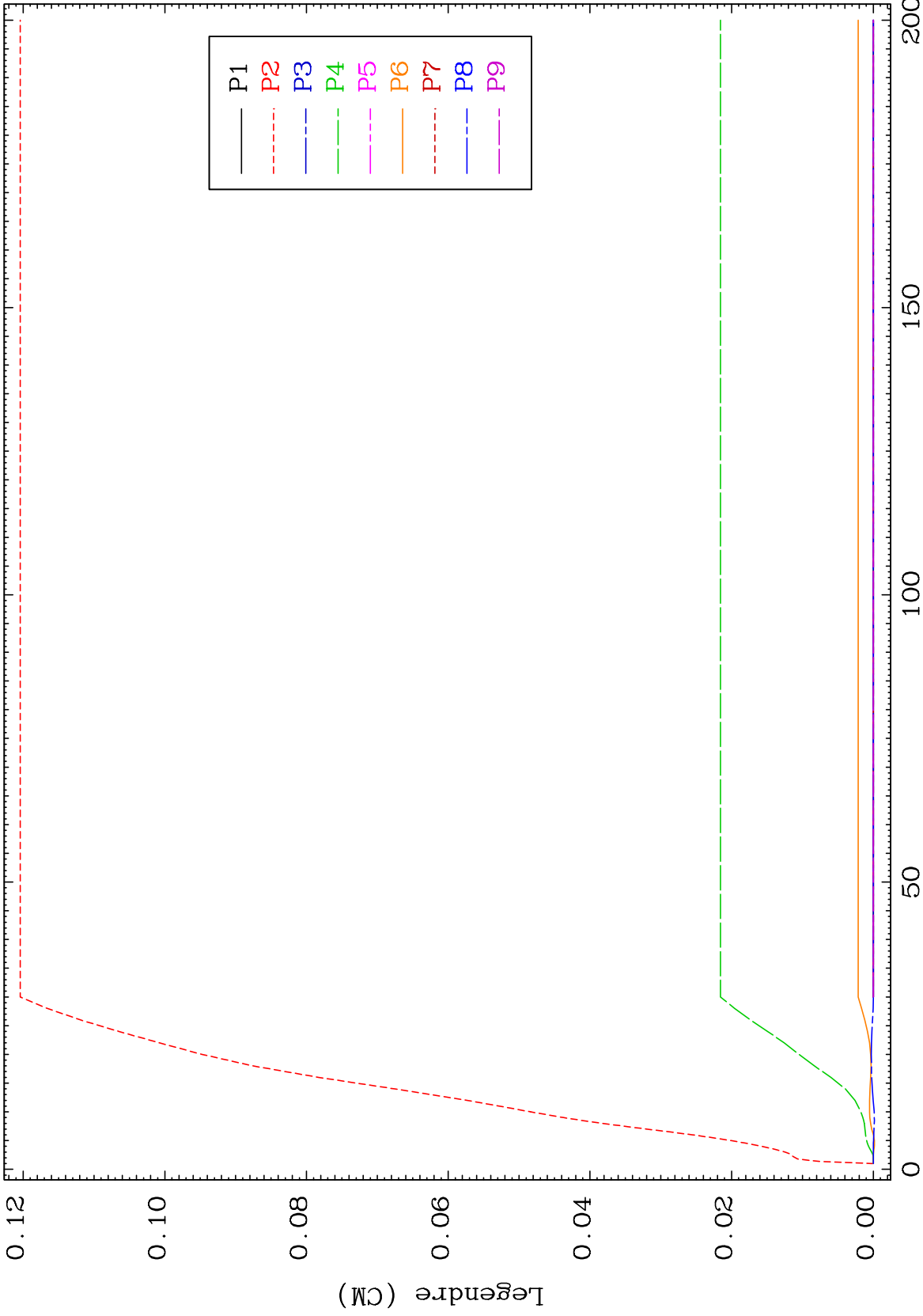
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



75

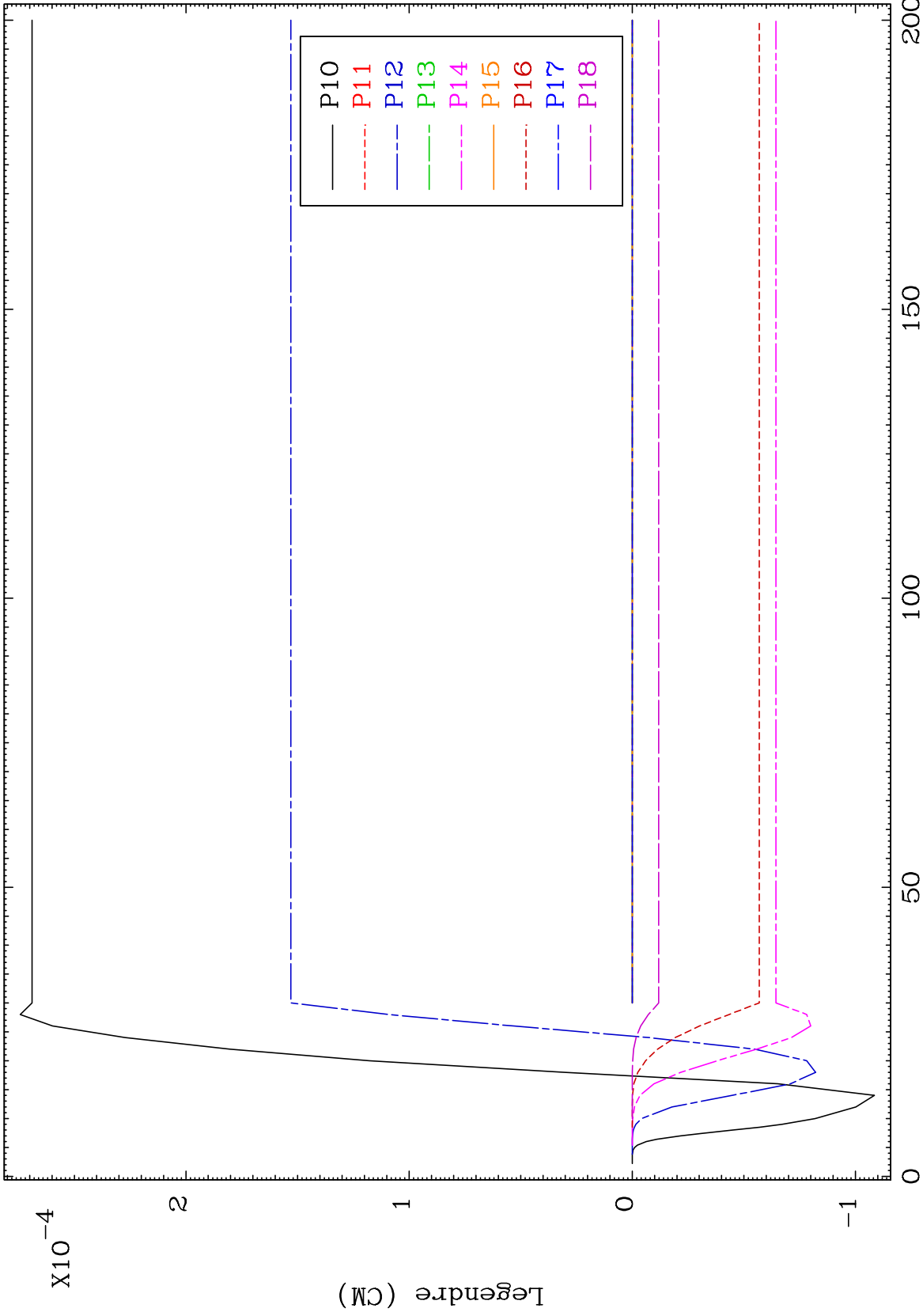
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



76

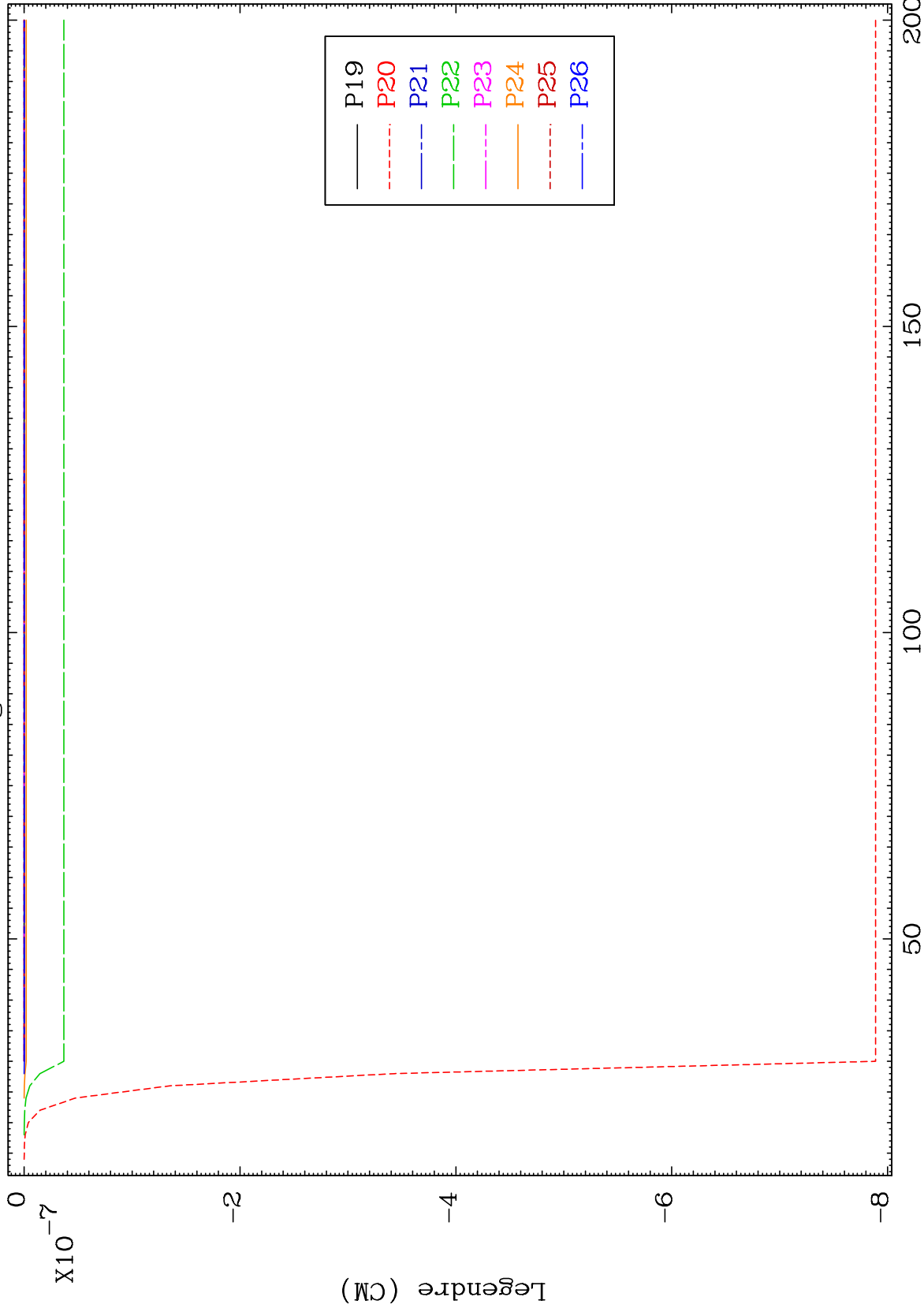
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



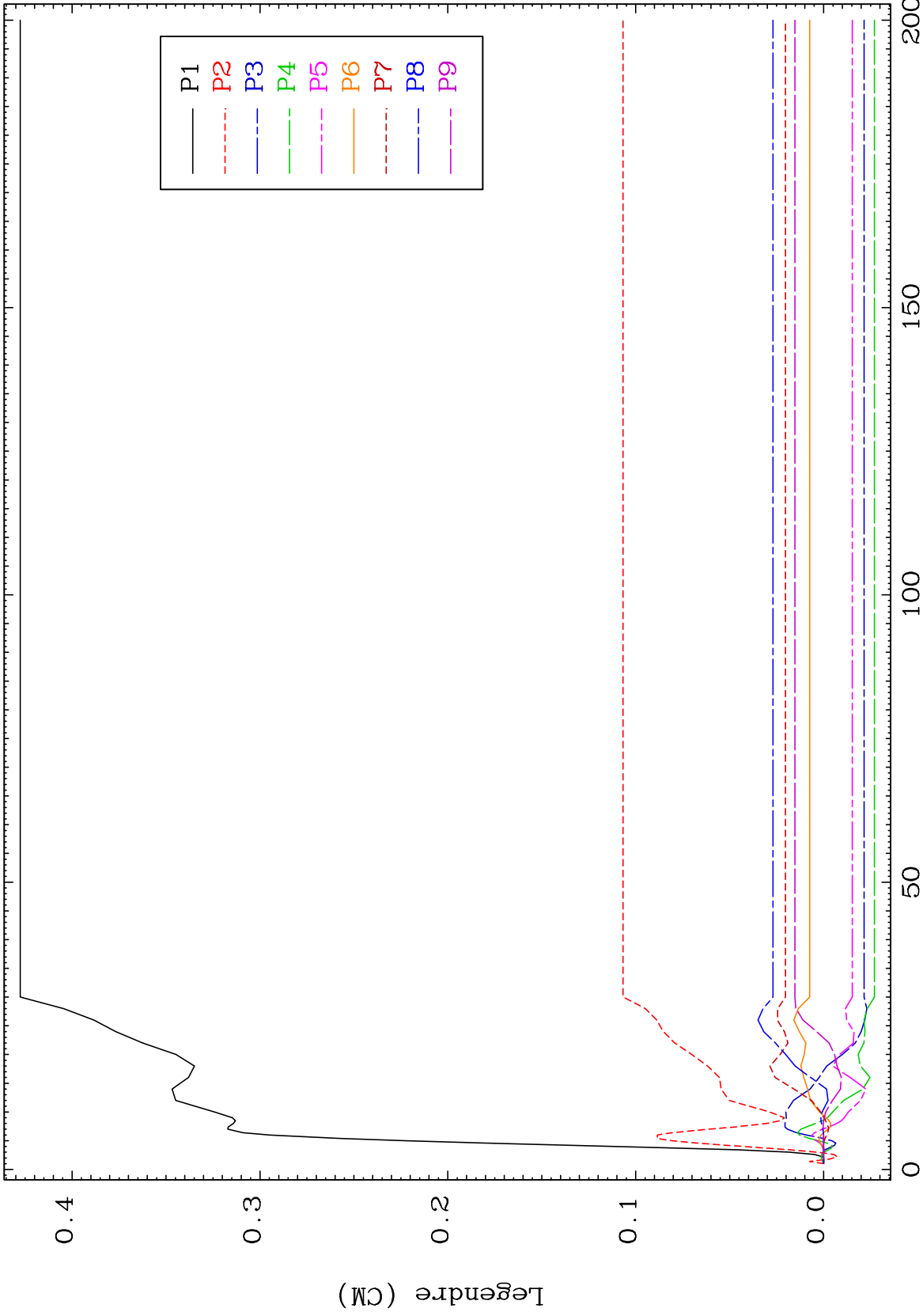
77

57-La-142

MAT 5737

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

57-La-142



78

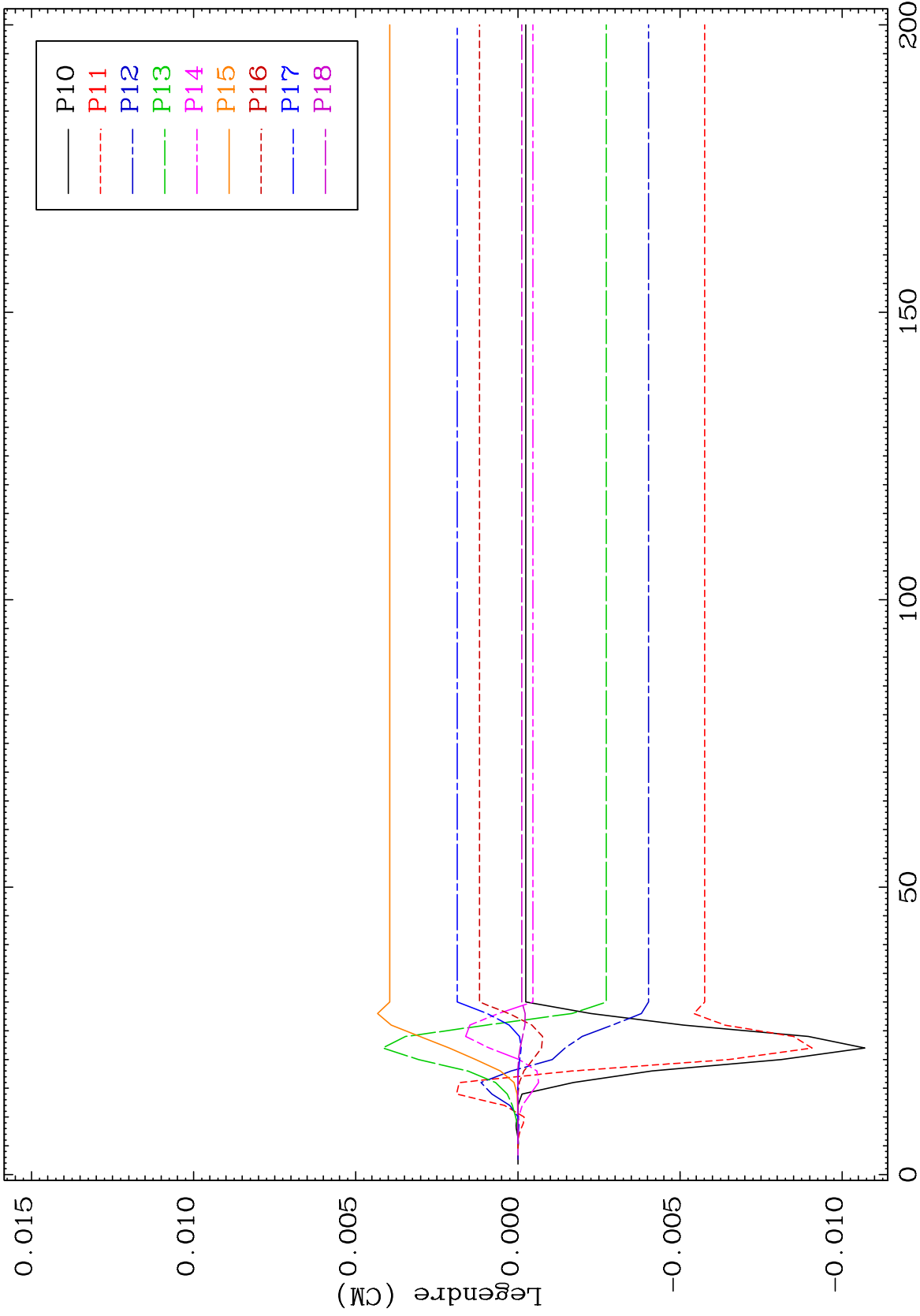
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



79

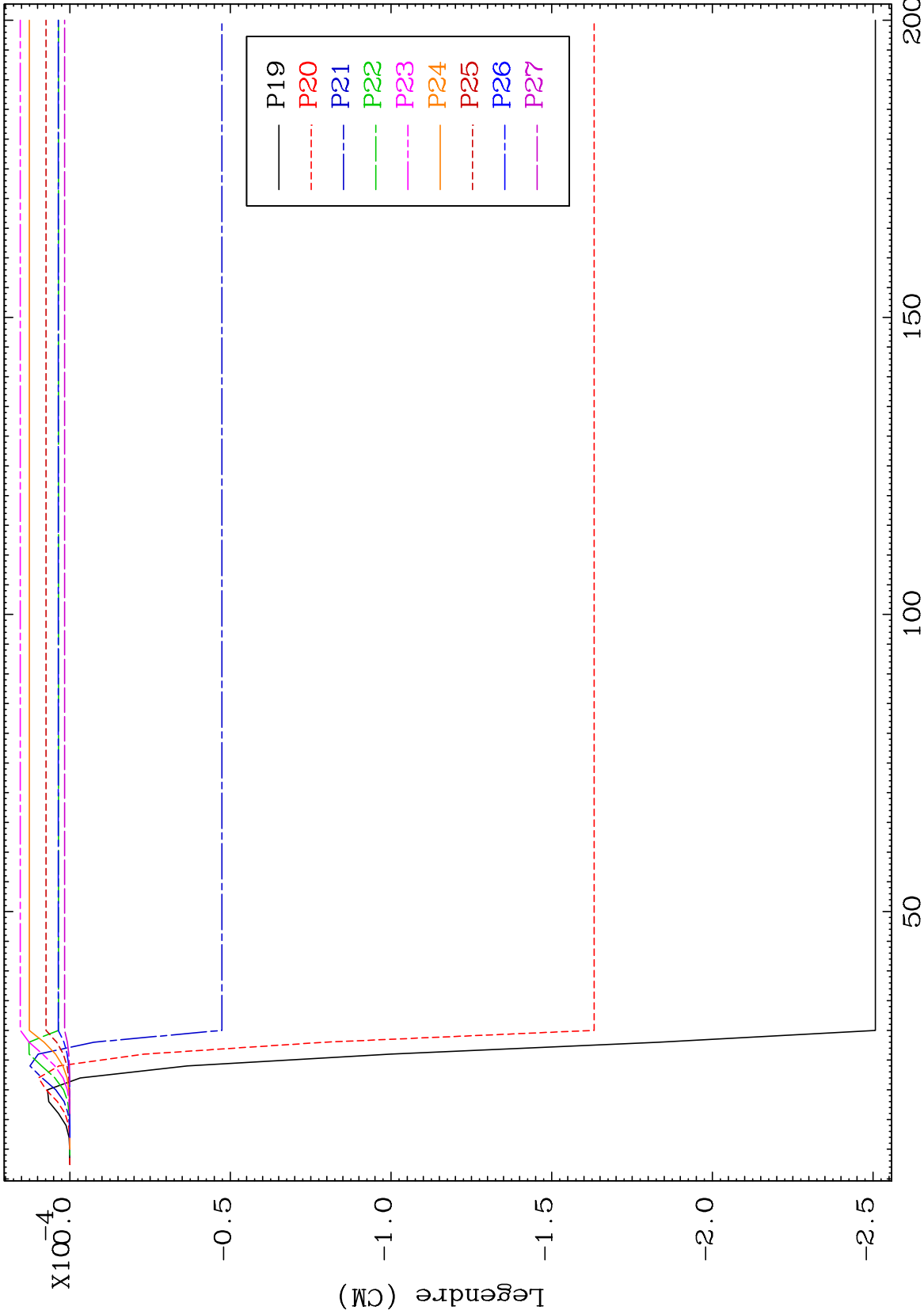
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



80

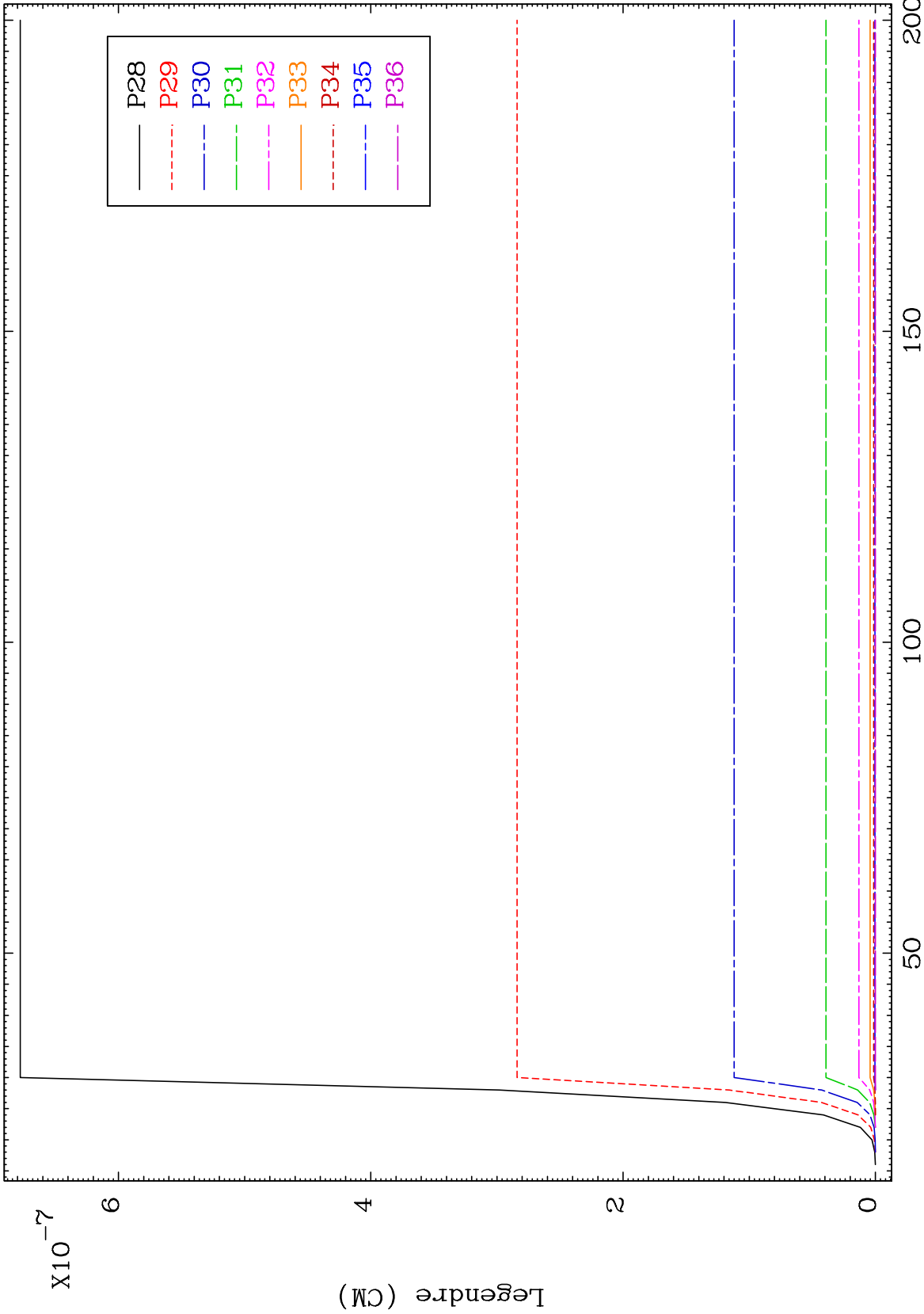
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



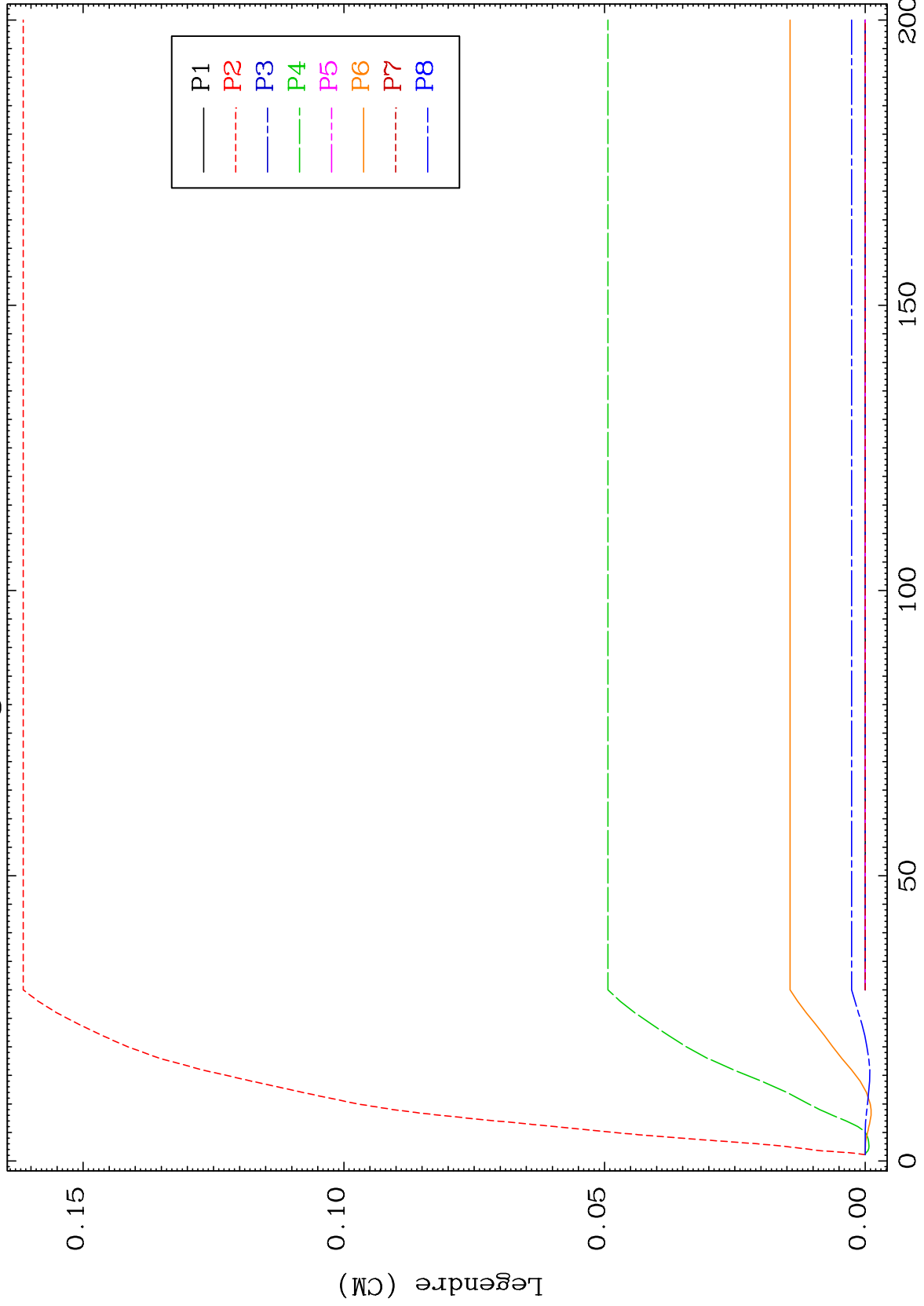
81

57-La-142

MAT 5737

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

57-La-142



82

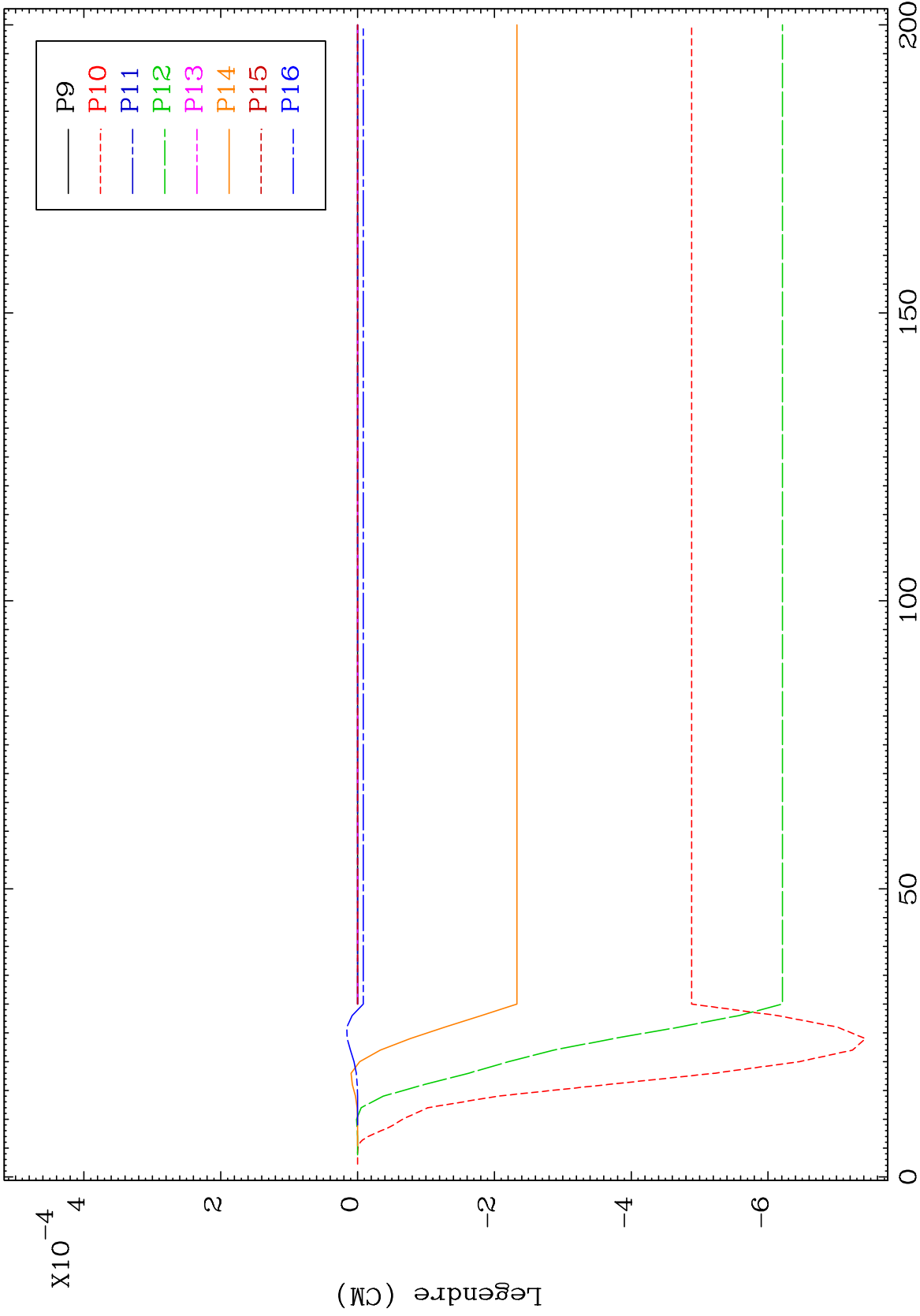
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



83

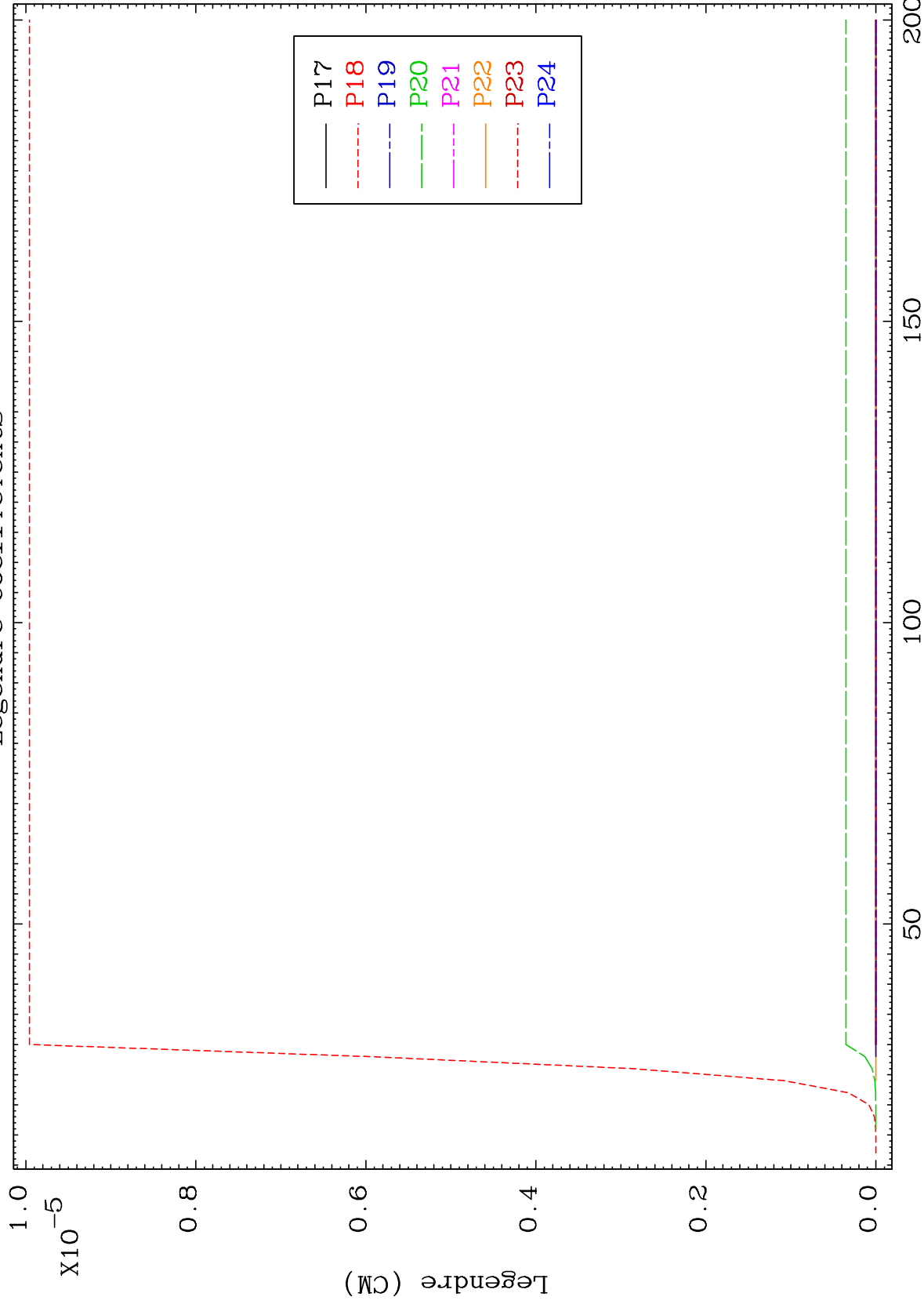
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



84

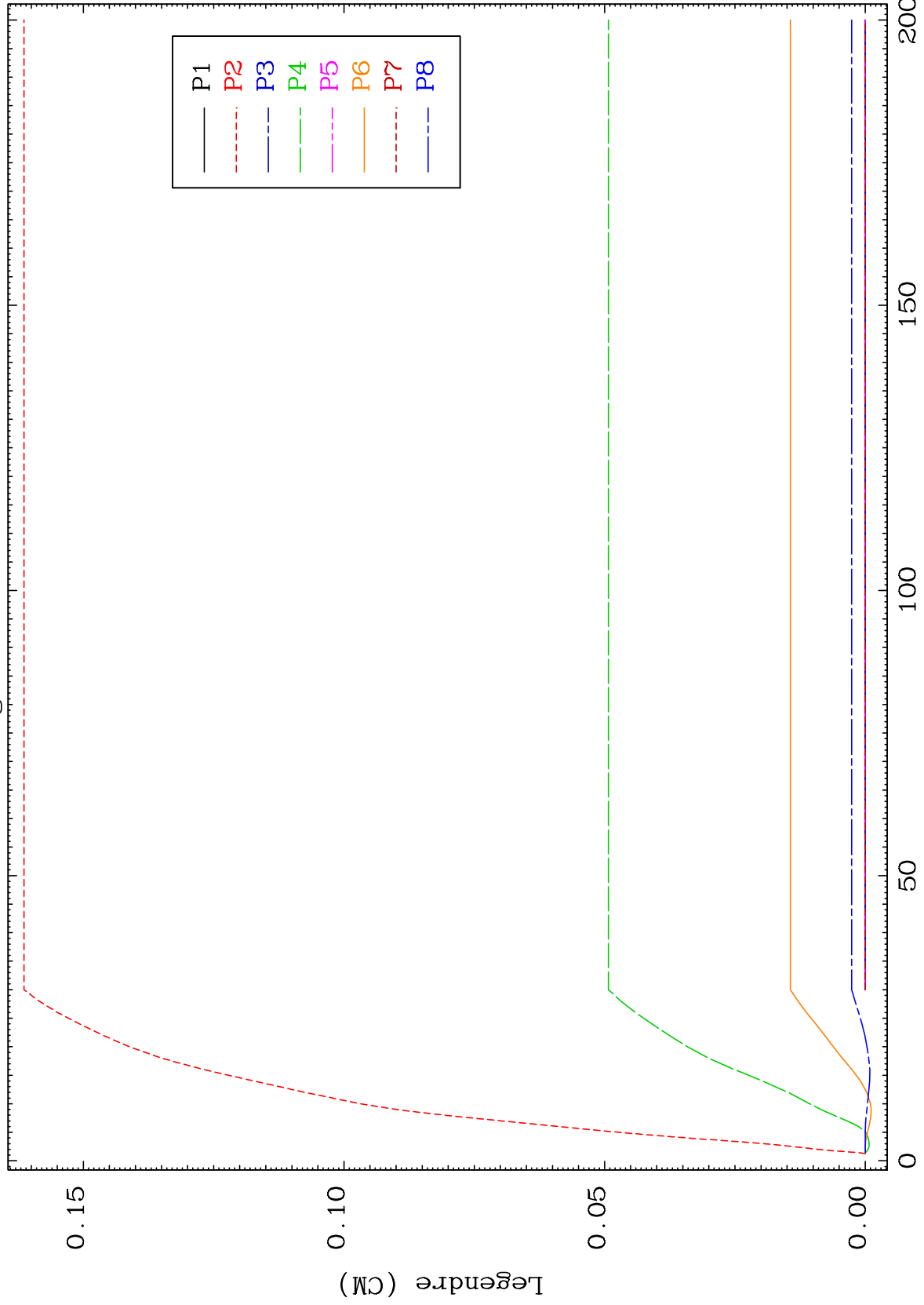
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



85

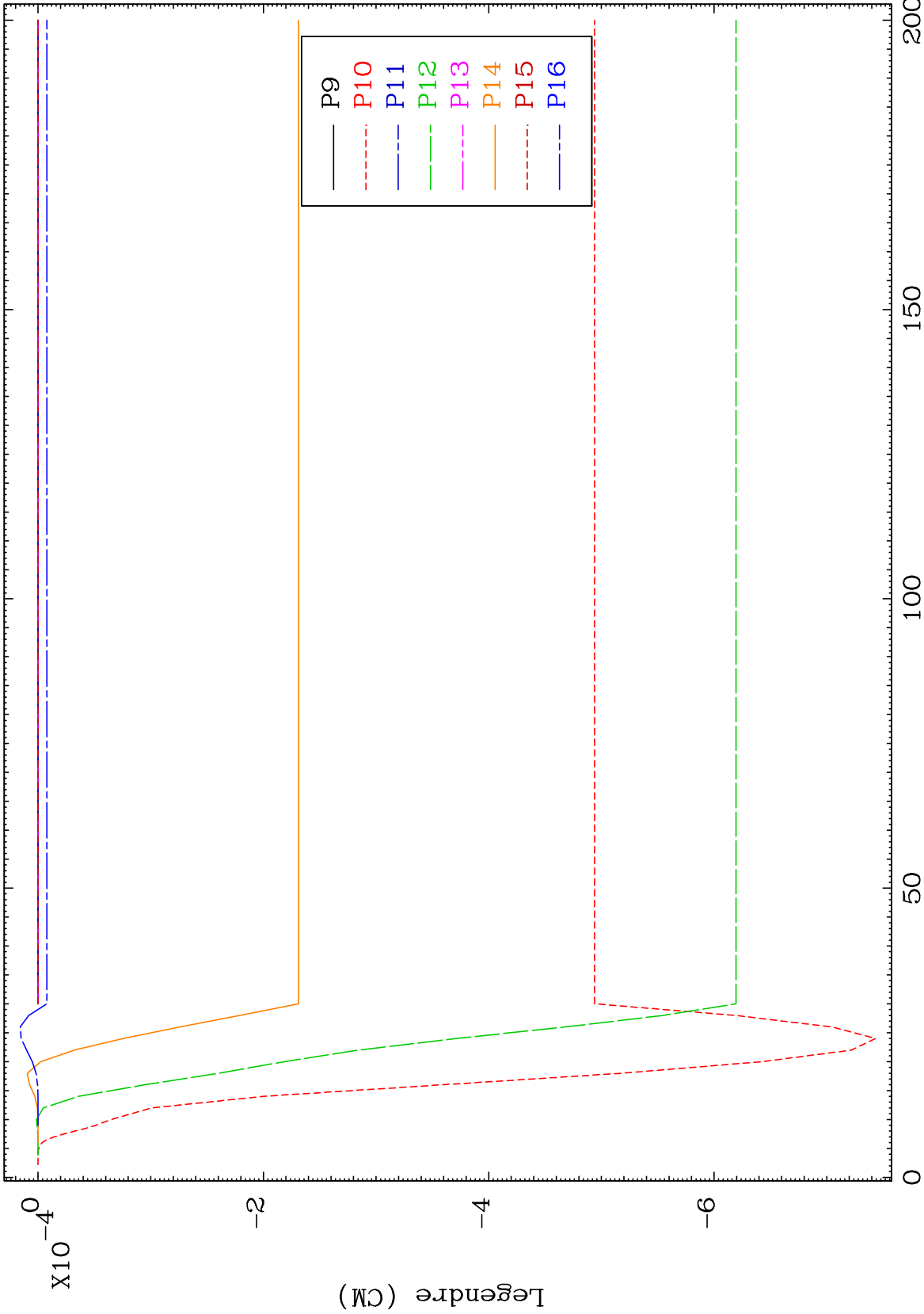
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



86

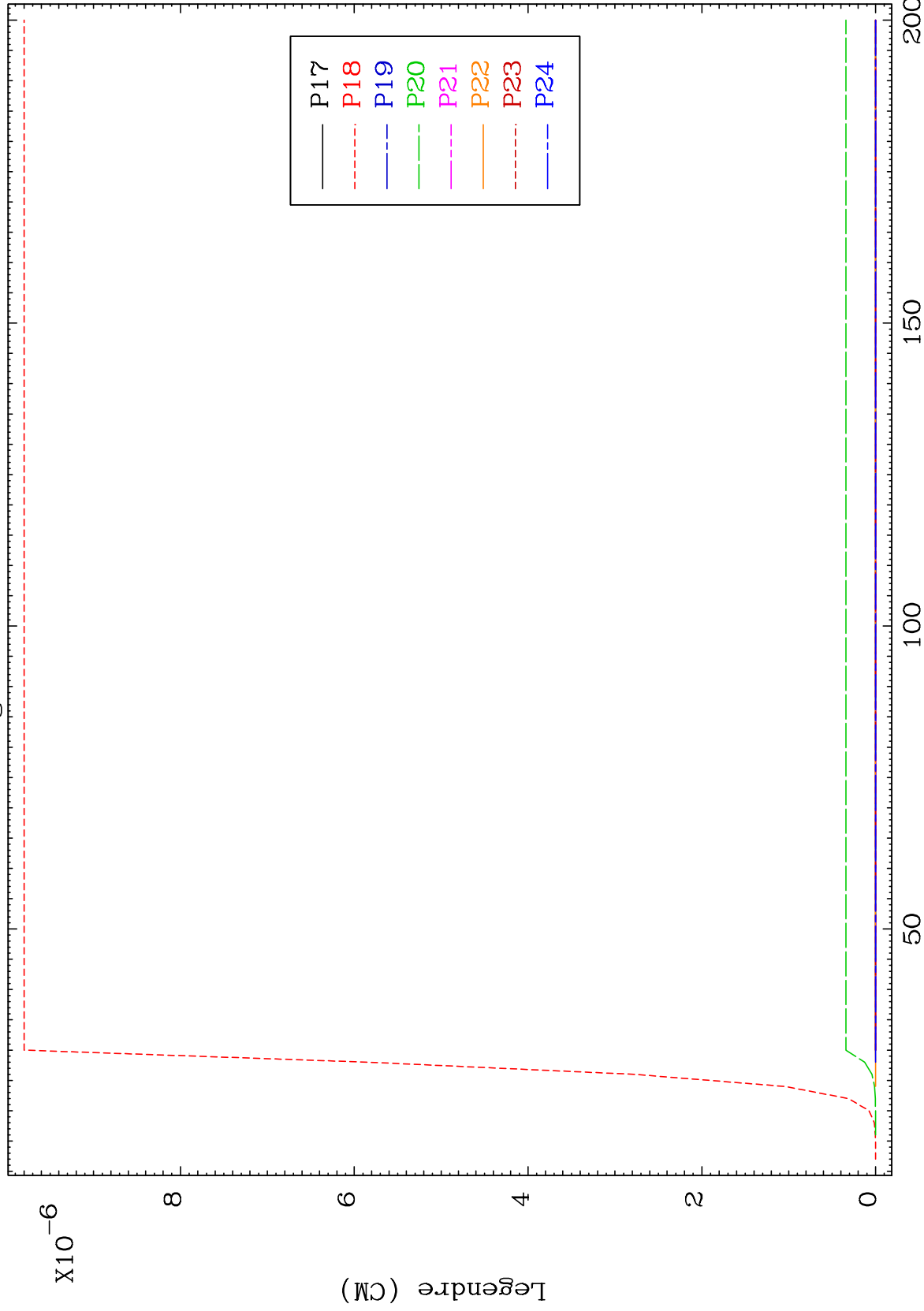
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



87

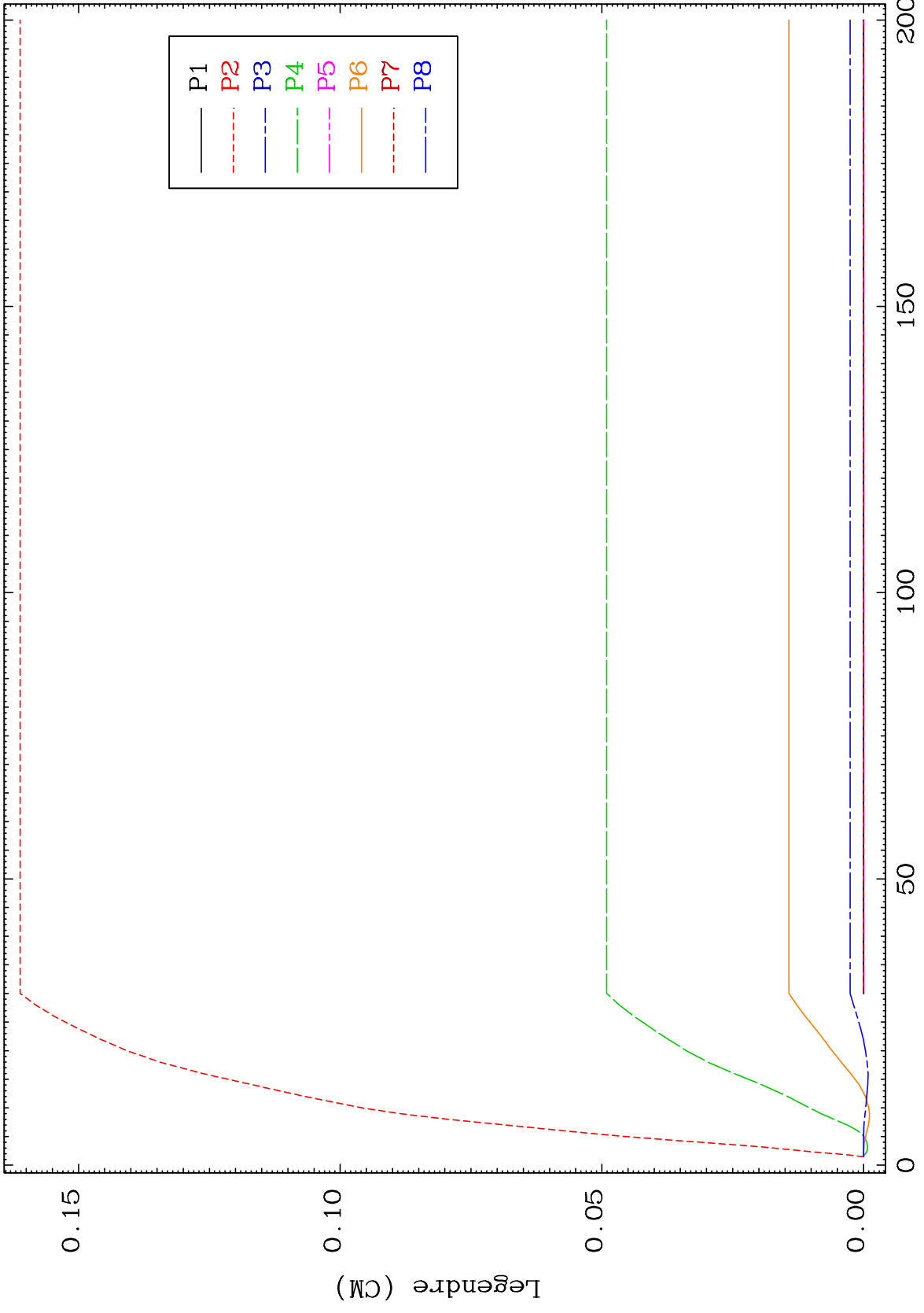
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



88

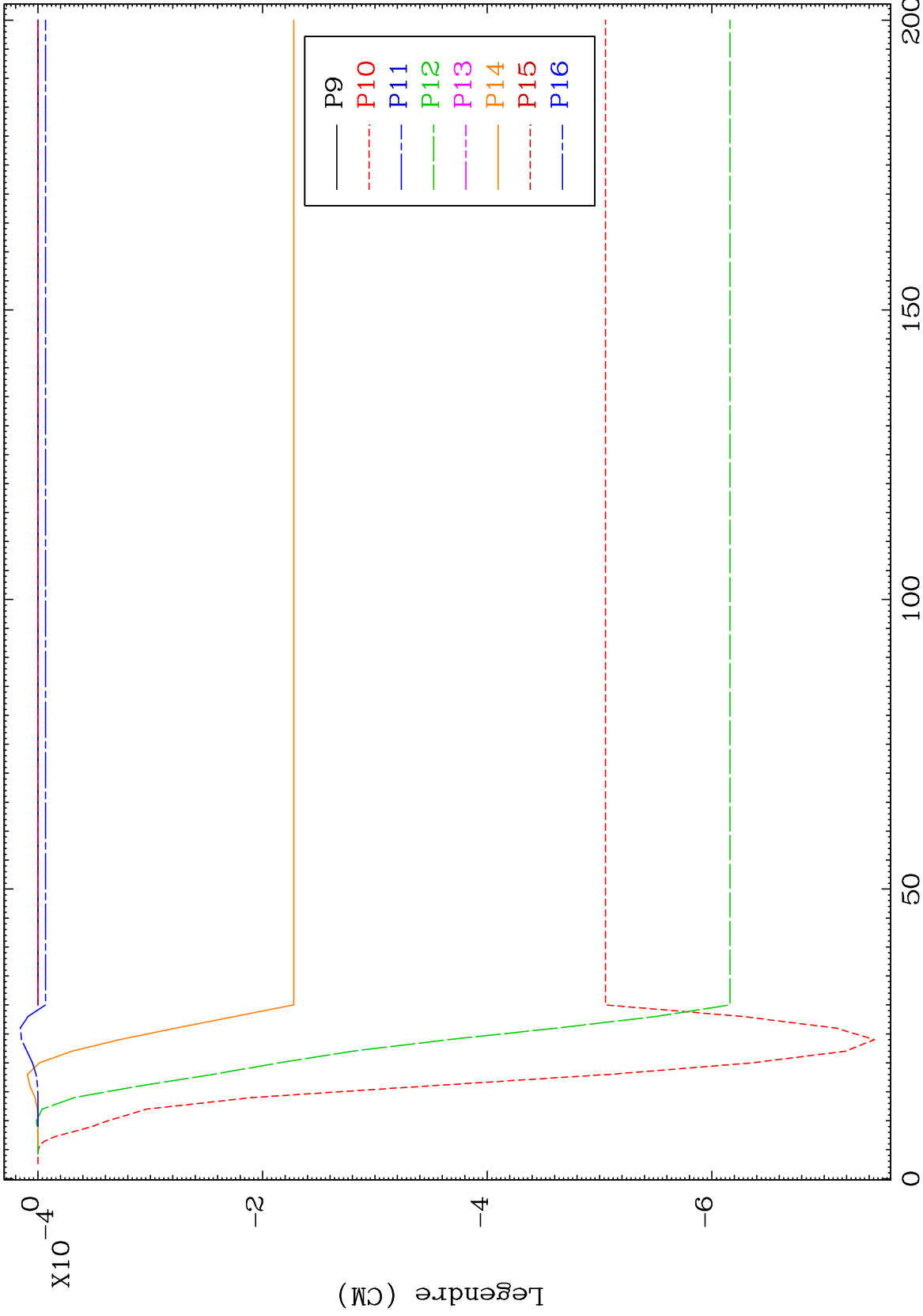
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



89

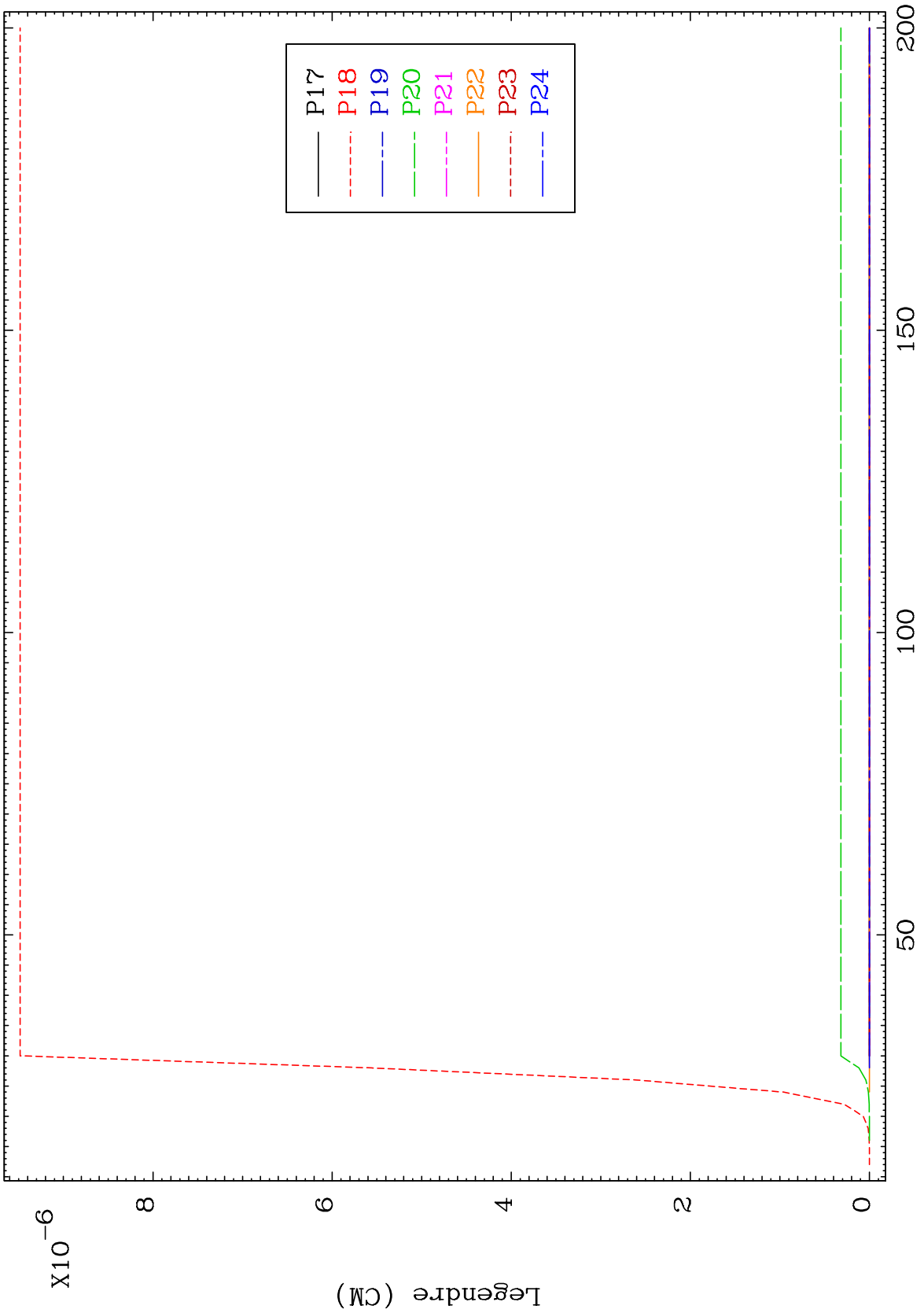
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



90

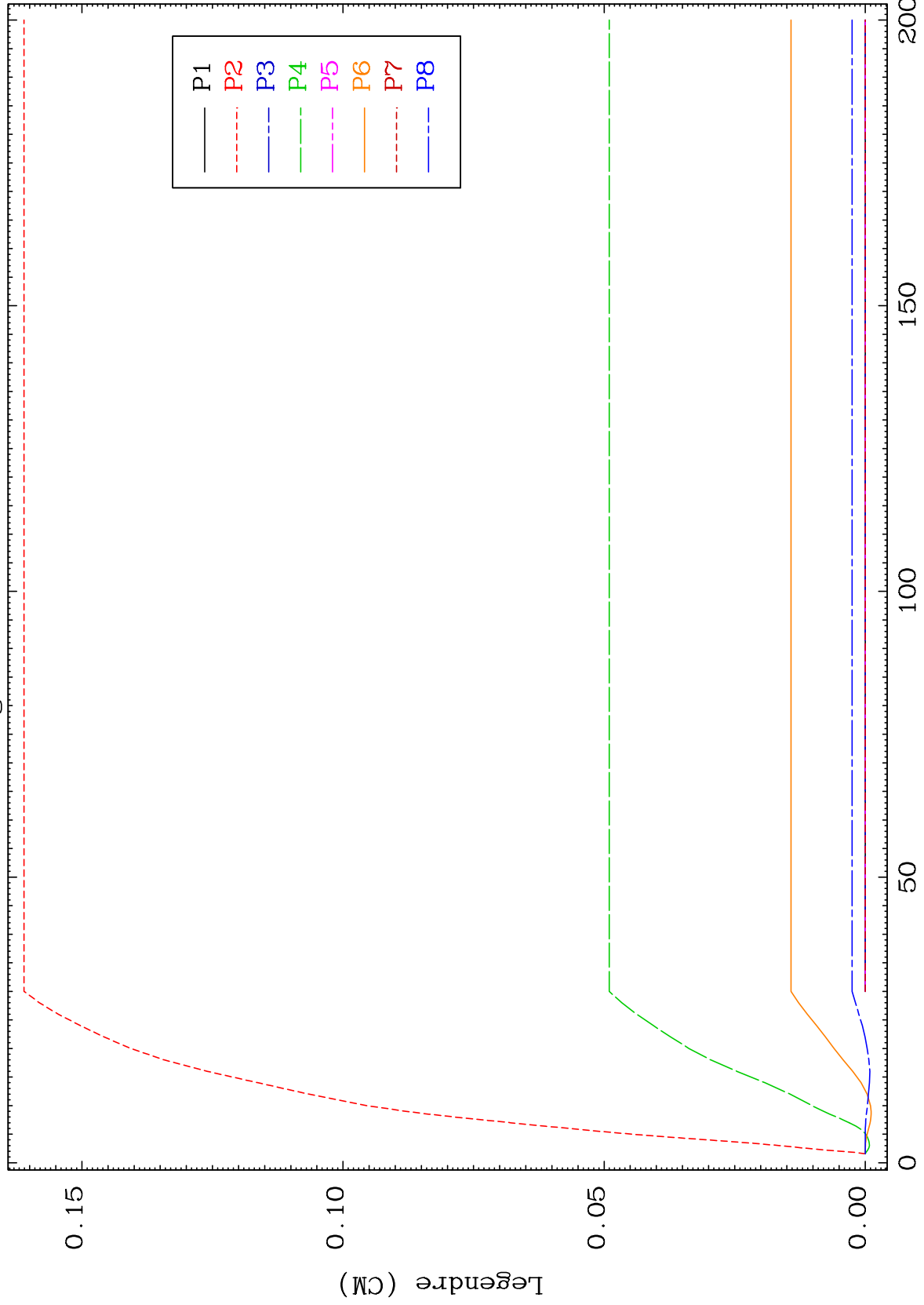
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



91

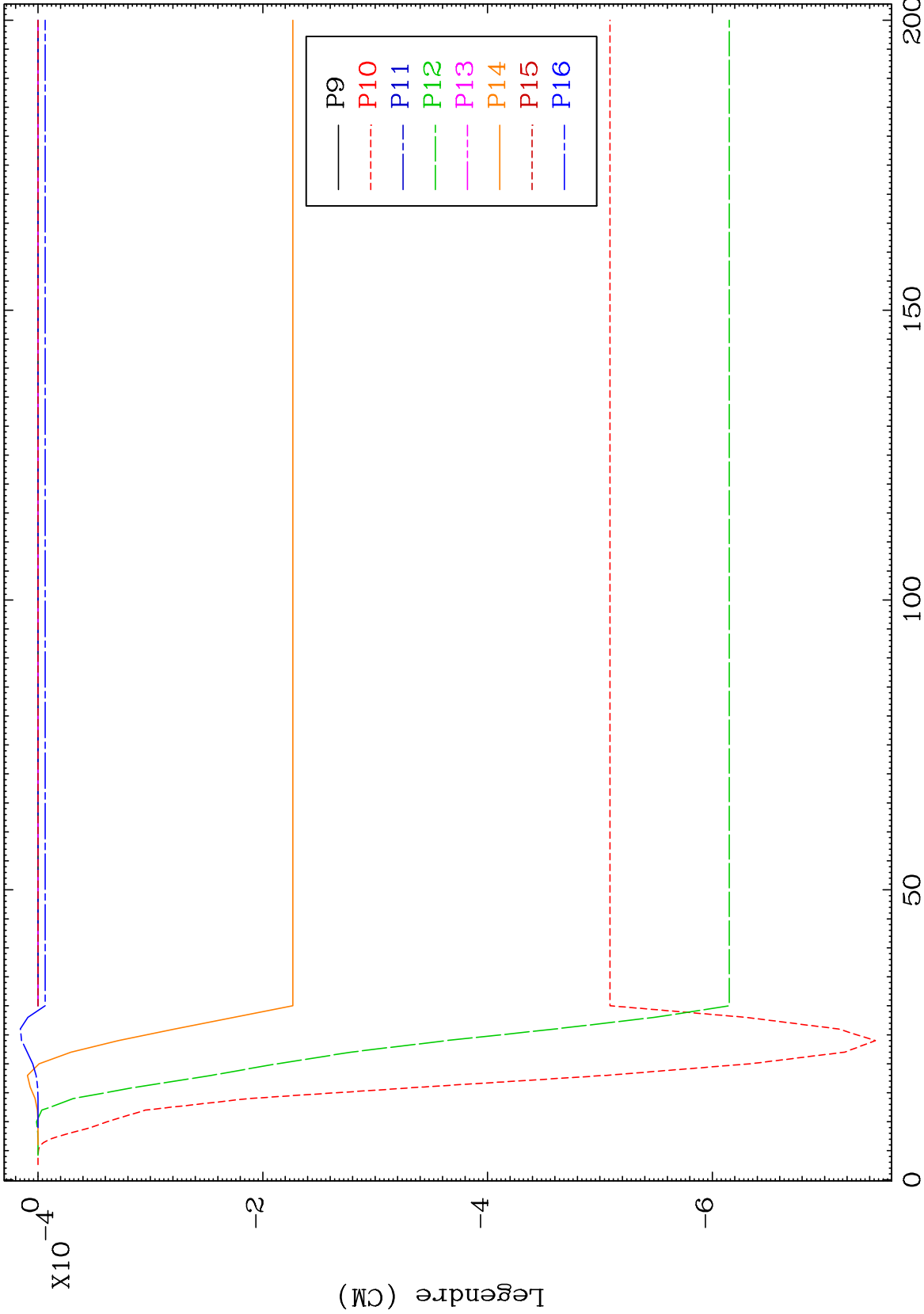
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



92

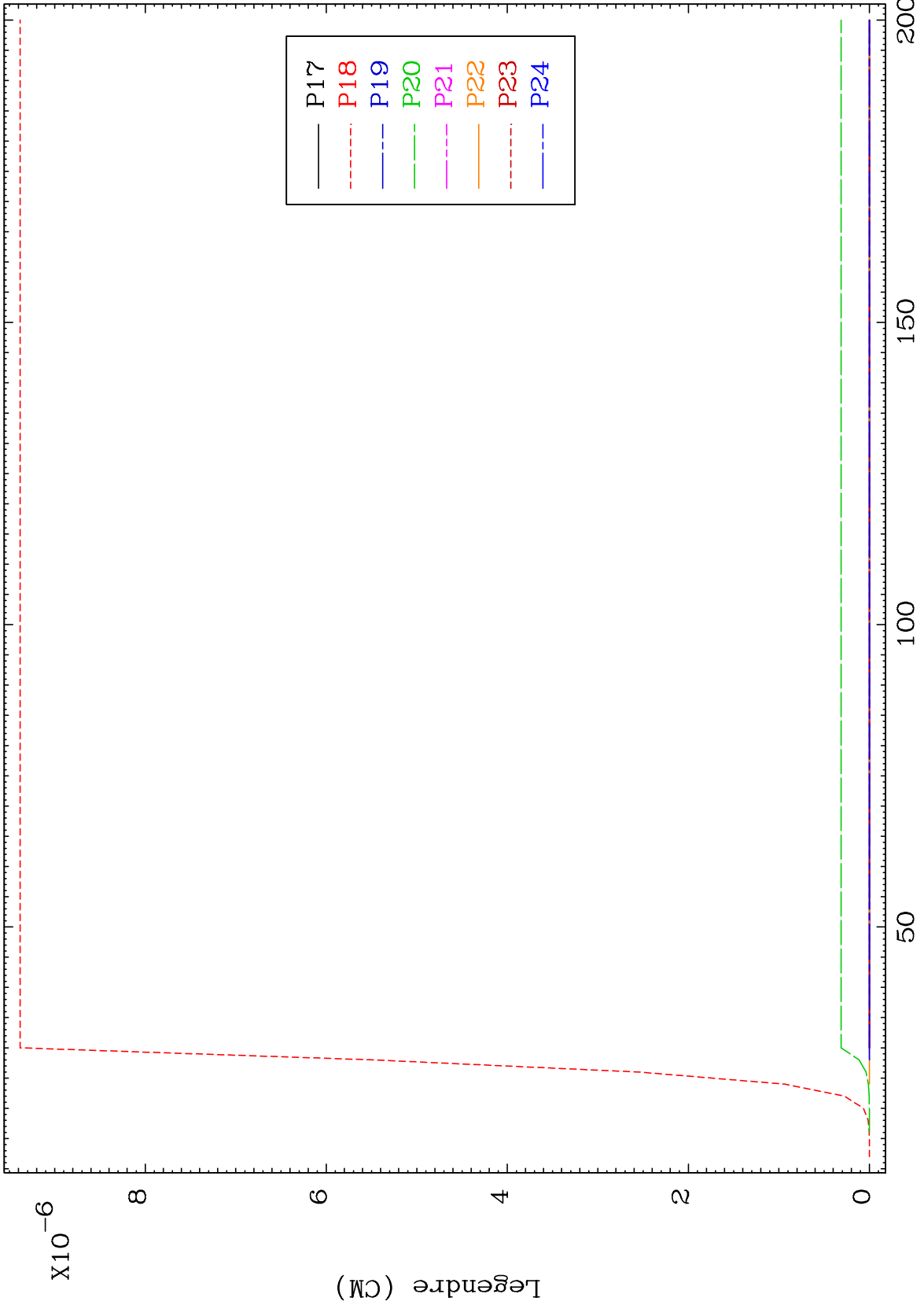
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



93

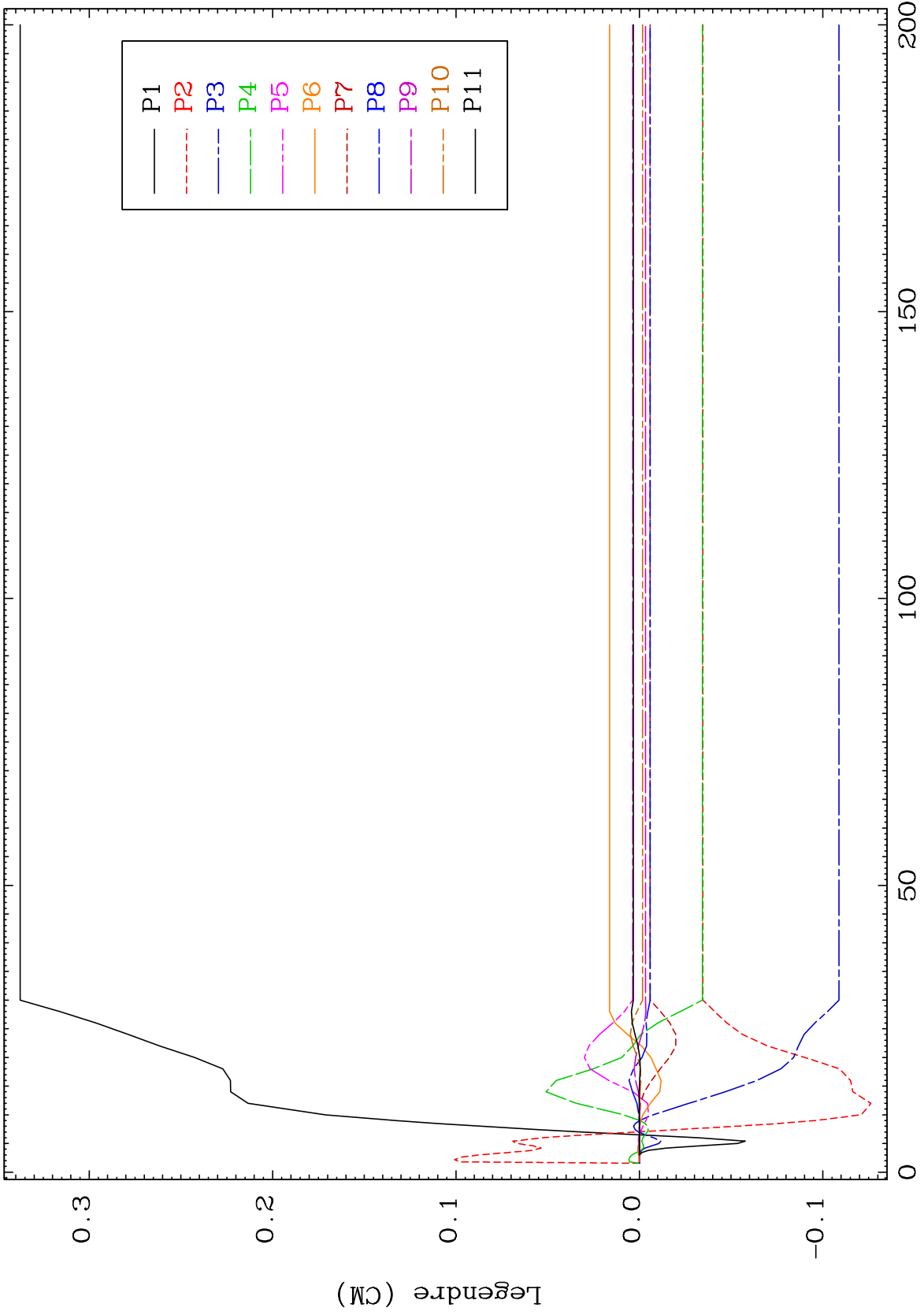
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



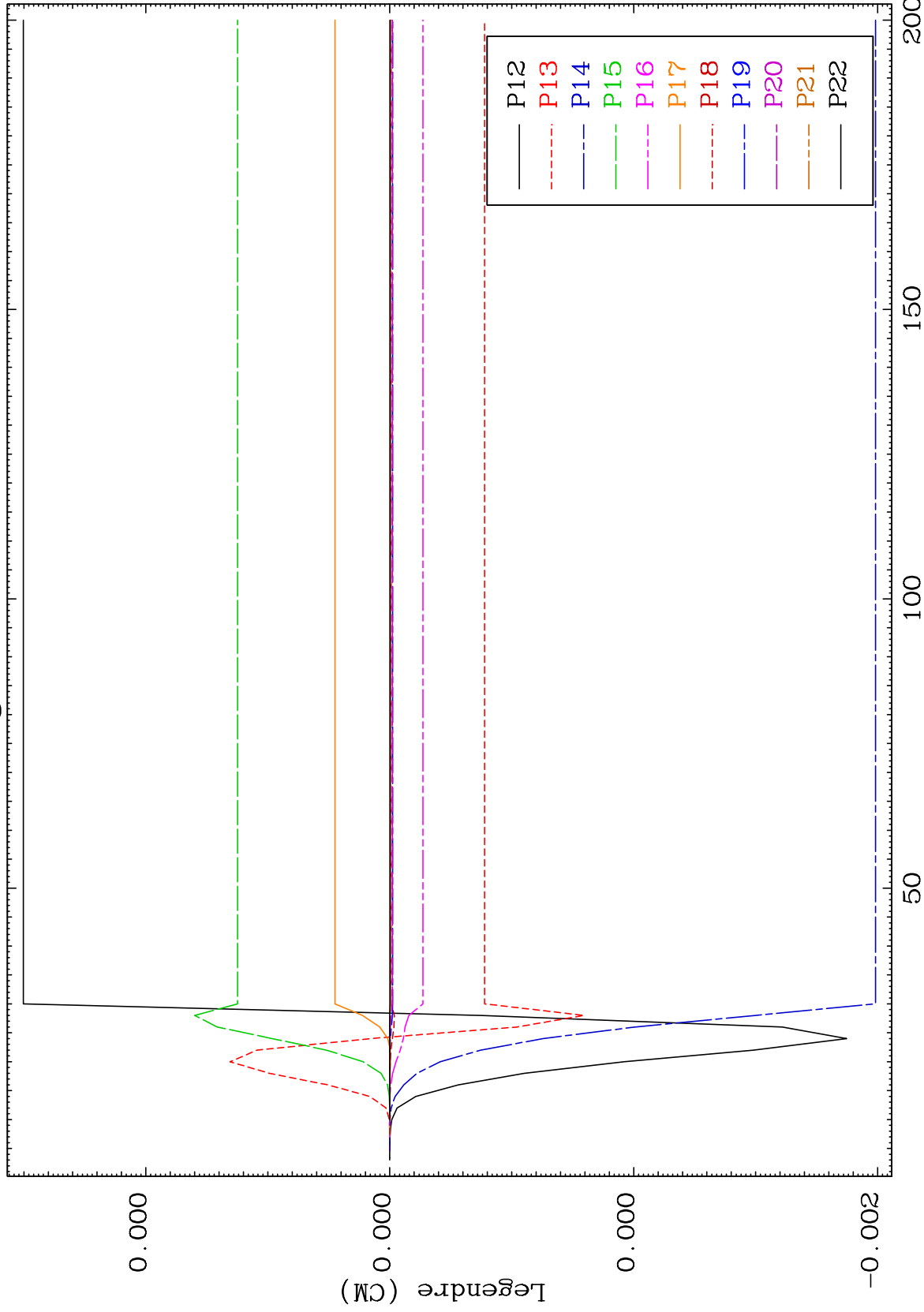
94

57-La-142

MAT 5737

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

57-La-142



95

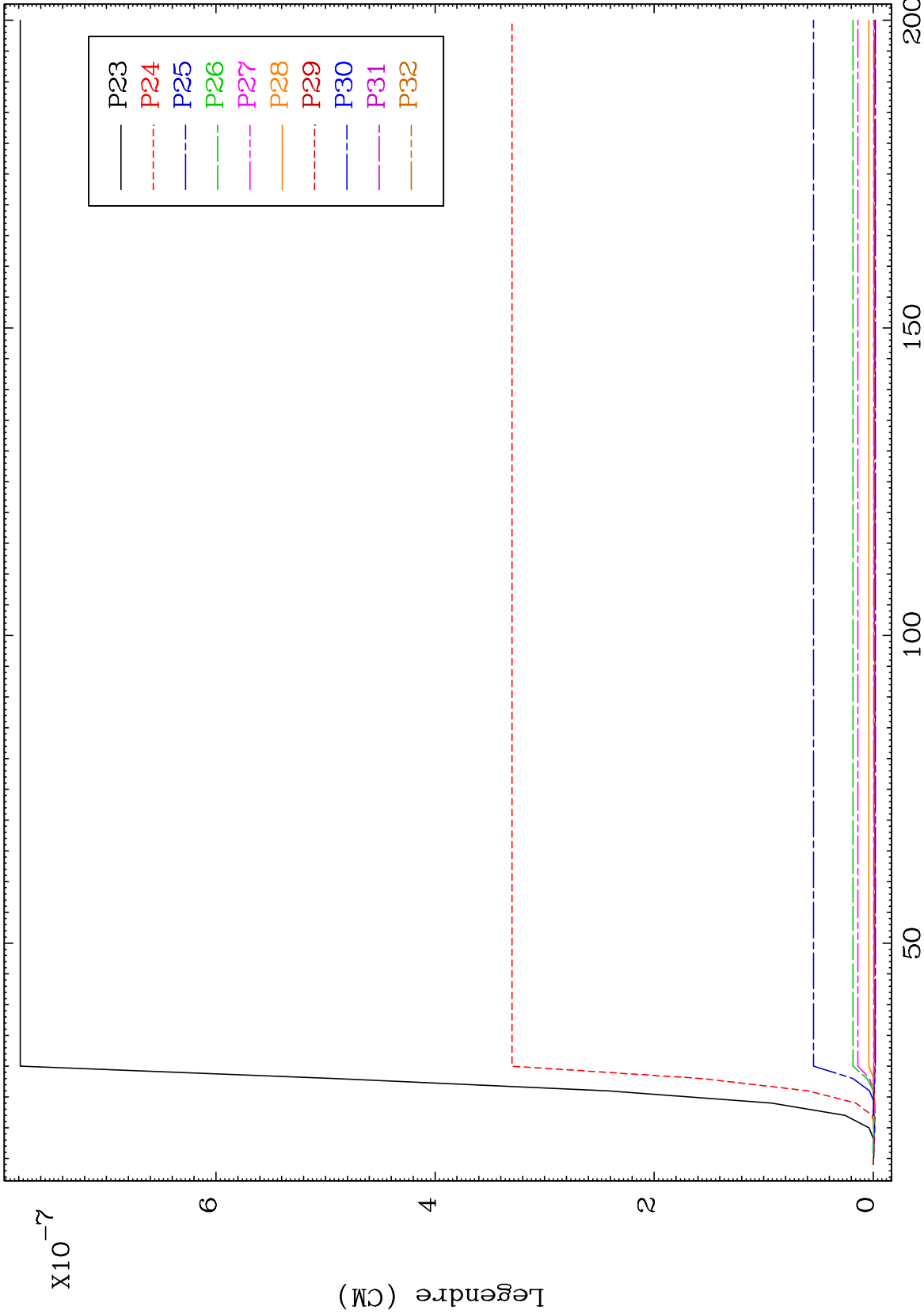
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



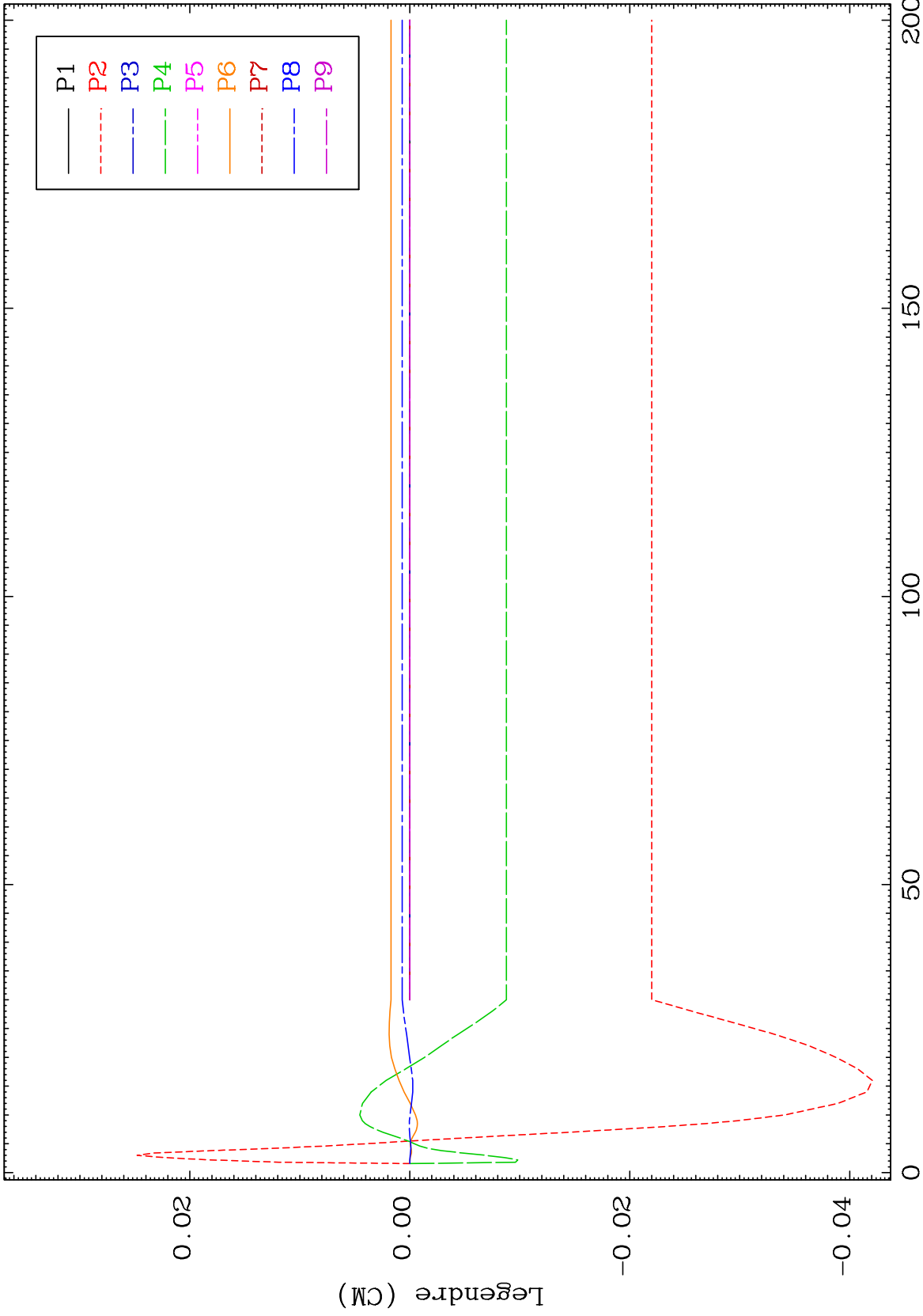
96

57-La-142

MAT 5737

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

57-La-142



97

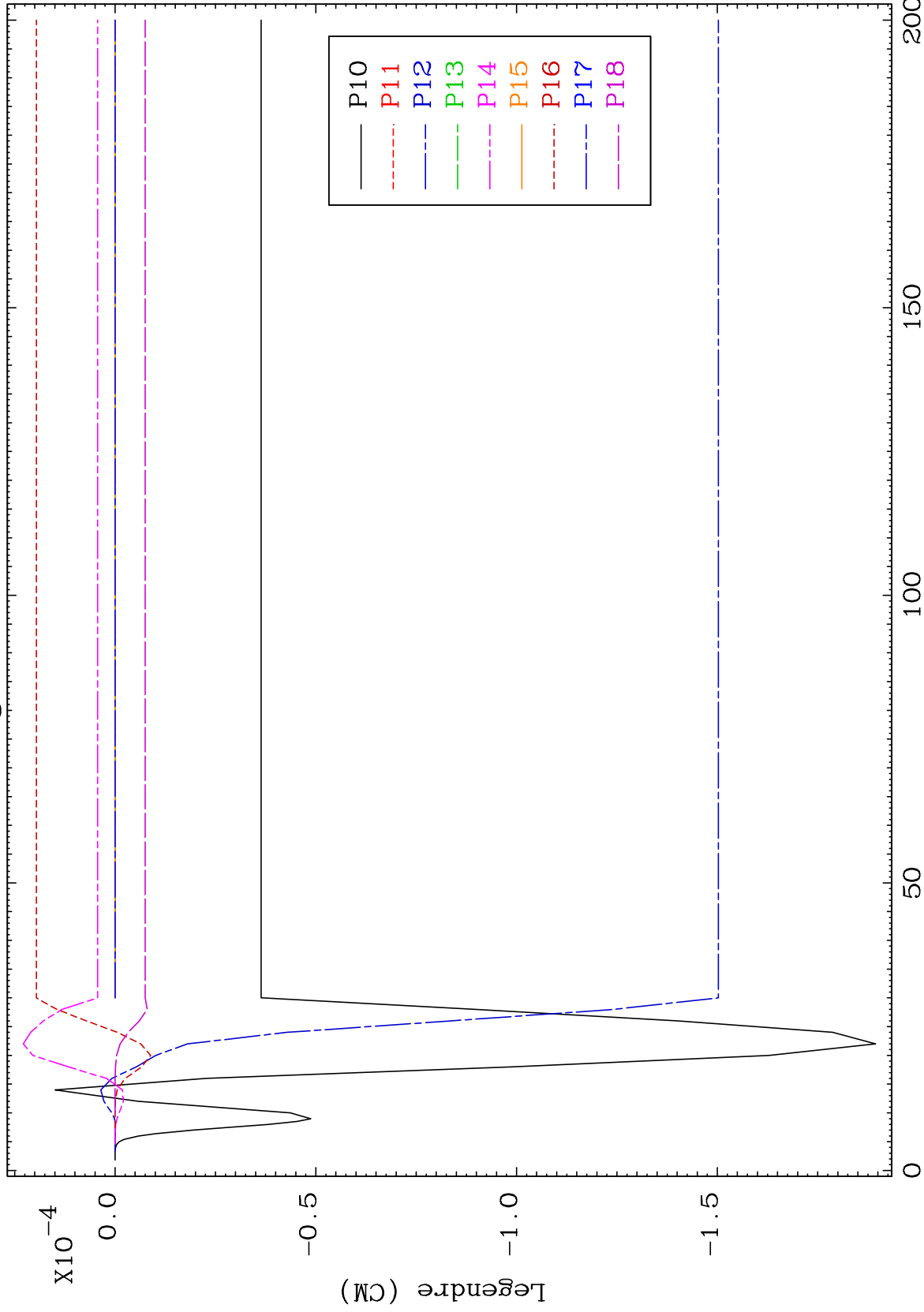
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



98

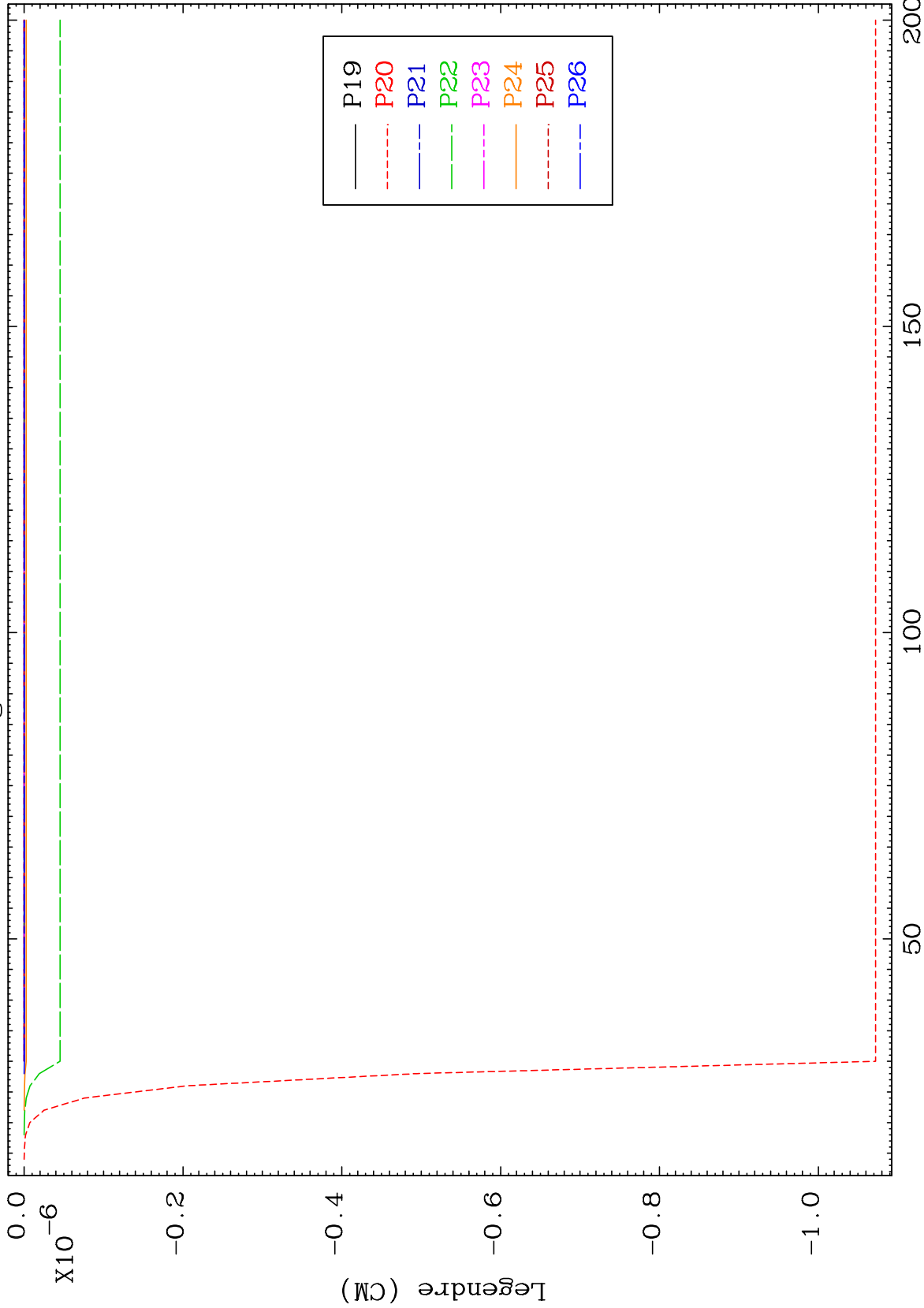
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



99

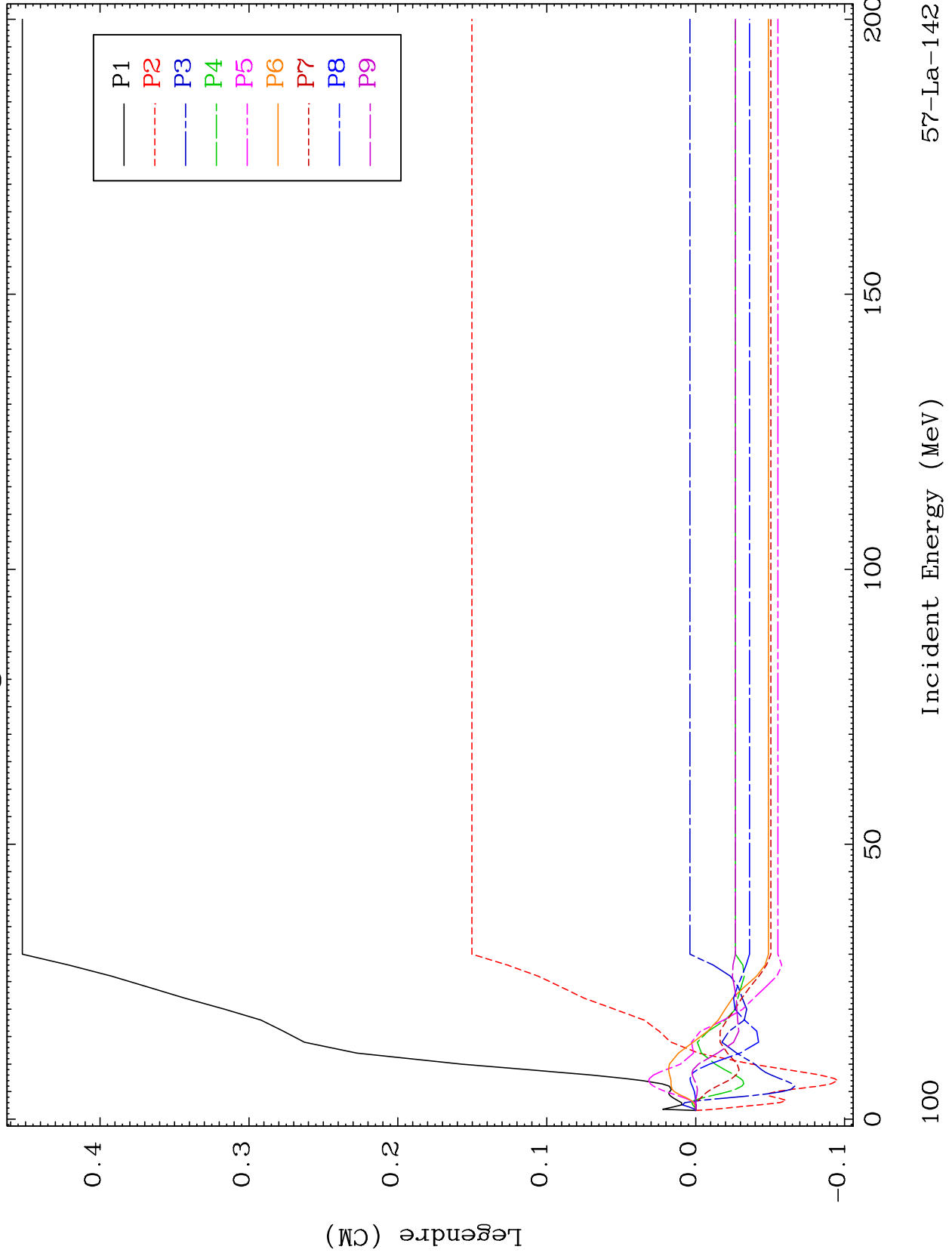
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142

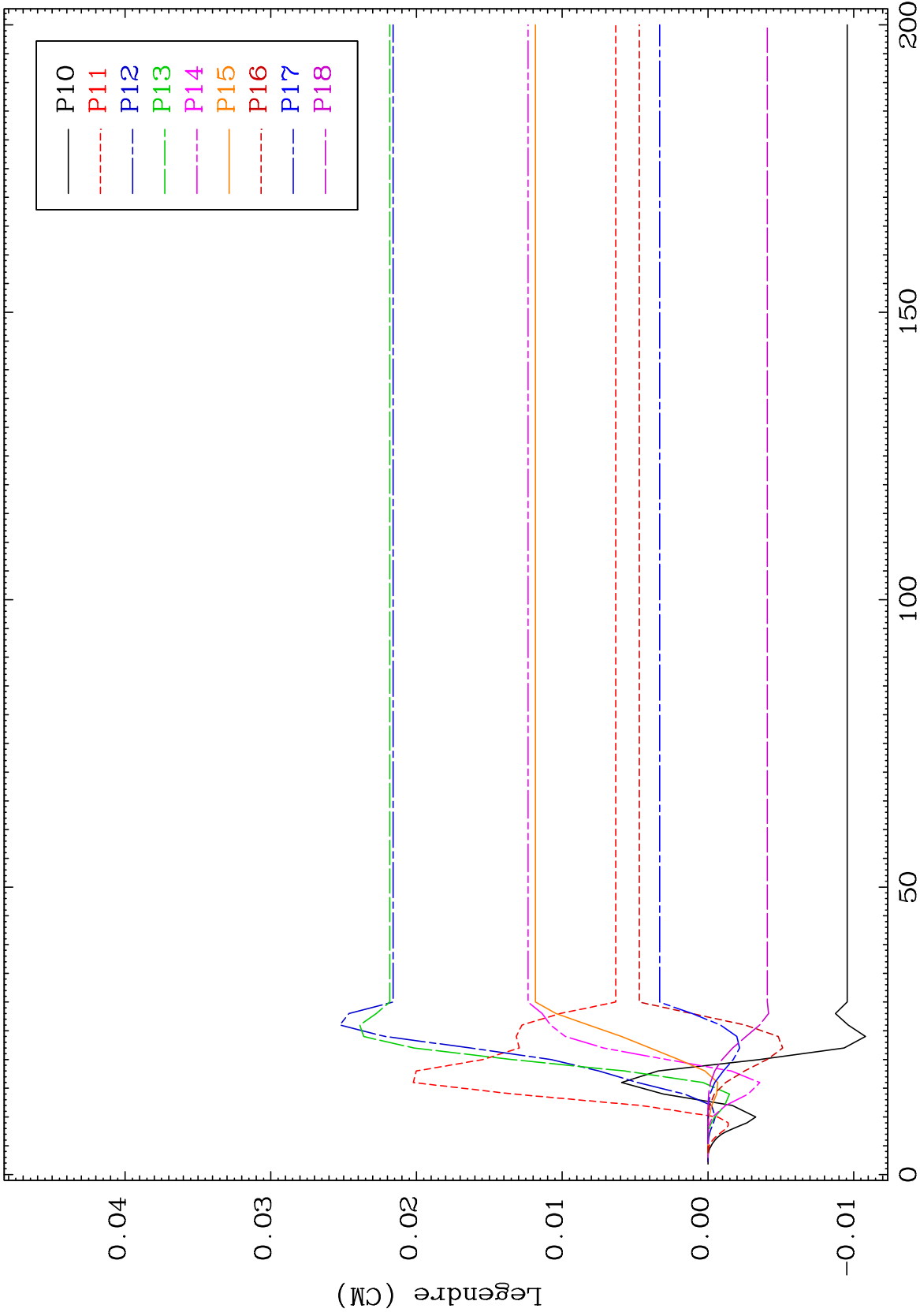


57-La-142

MAT 5737

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

57-La-142



57-La-142

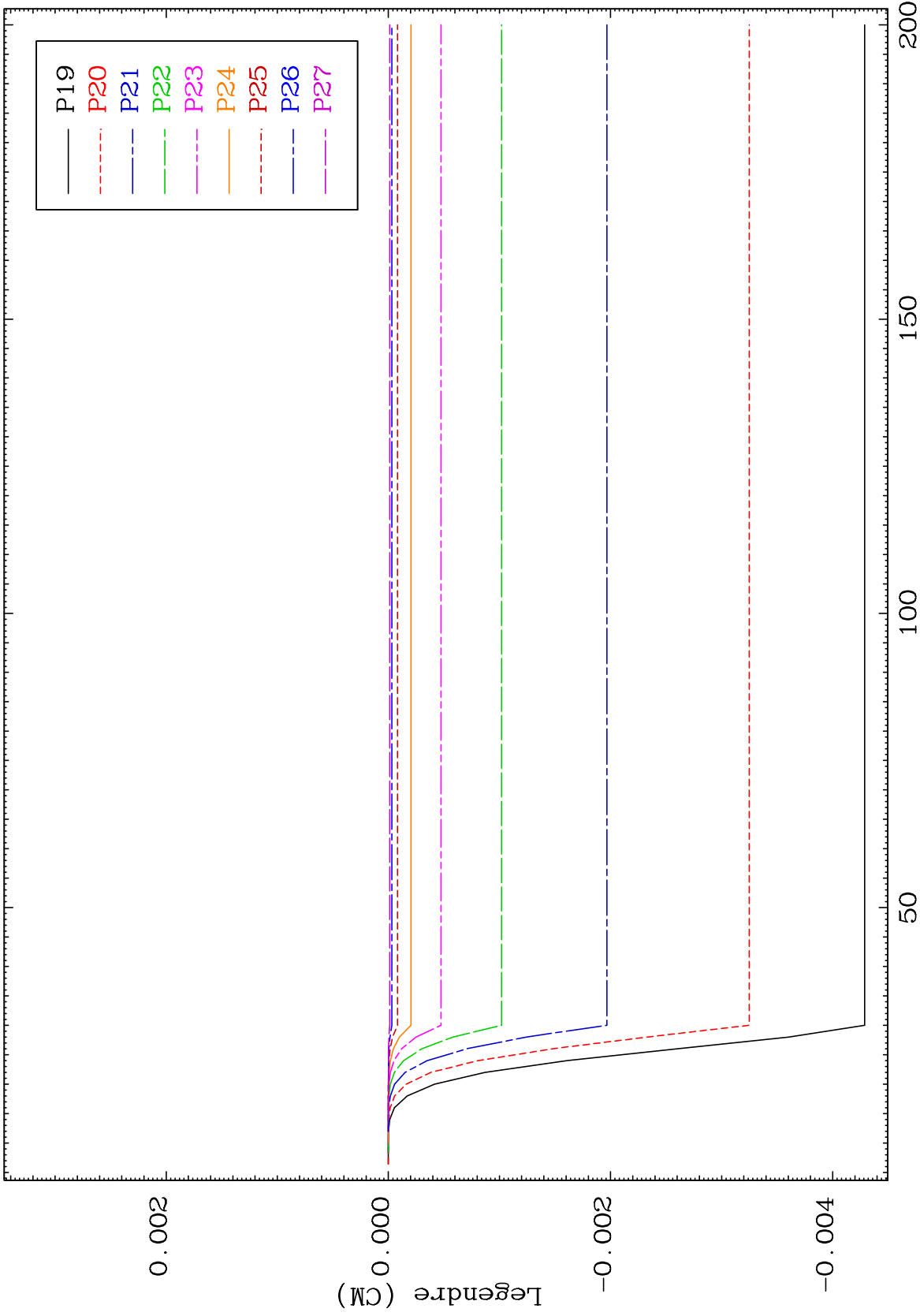
Incident Energy (MeV)

101

MAT 5737

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

57-La-142

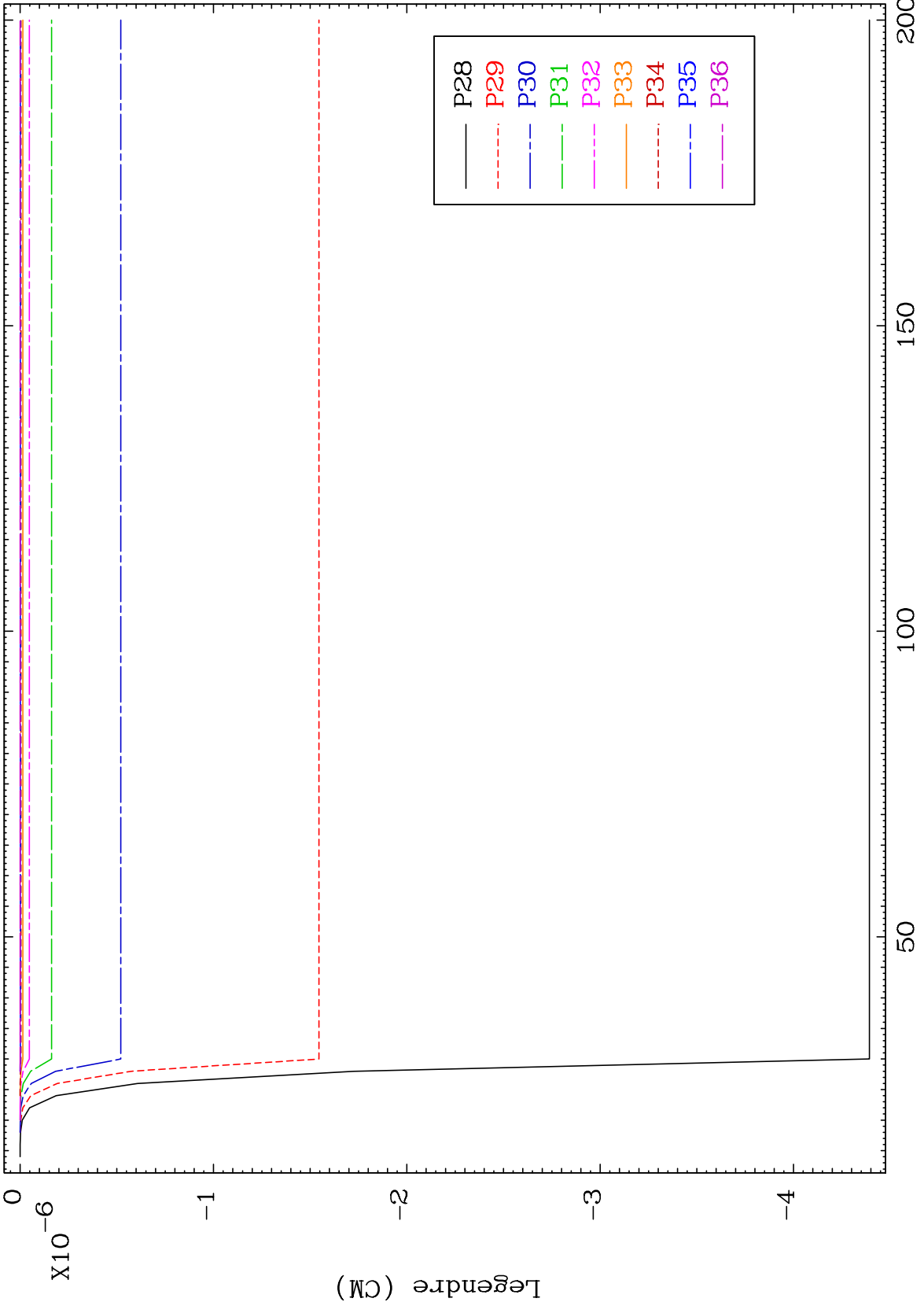


102

Incident Energy (MeV)

57-La-142

MAT 5737 MT= 76 (n,n') Level Legendre Coefficients 57-La-142

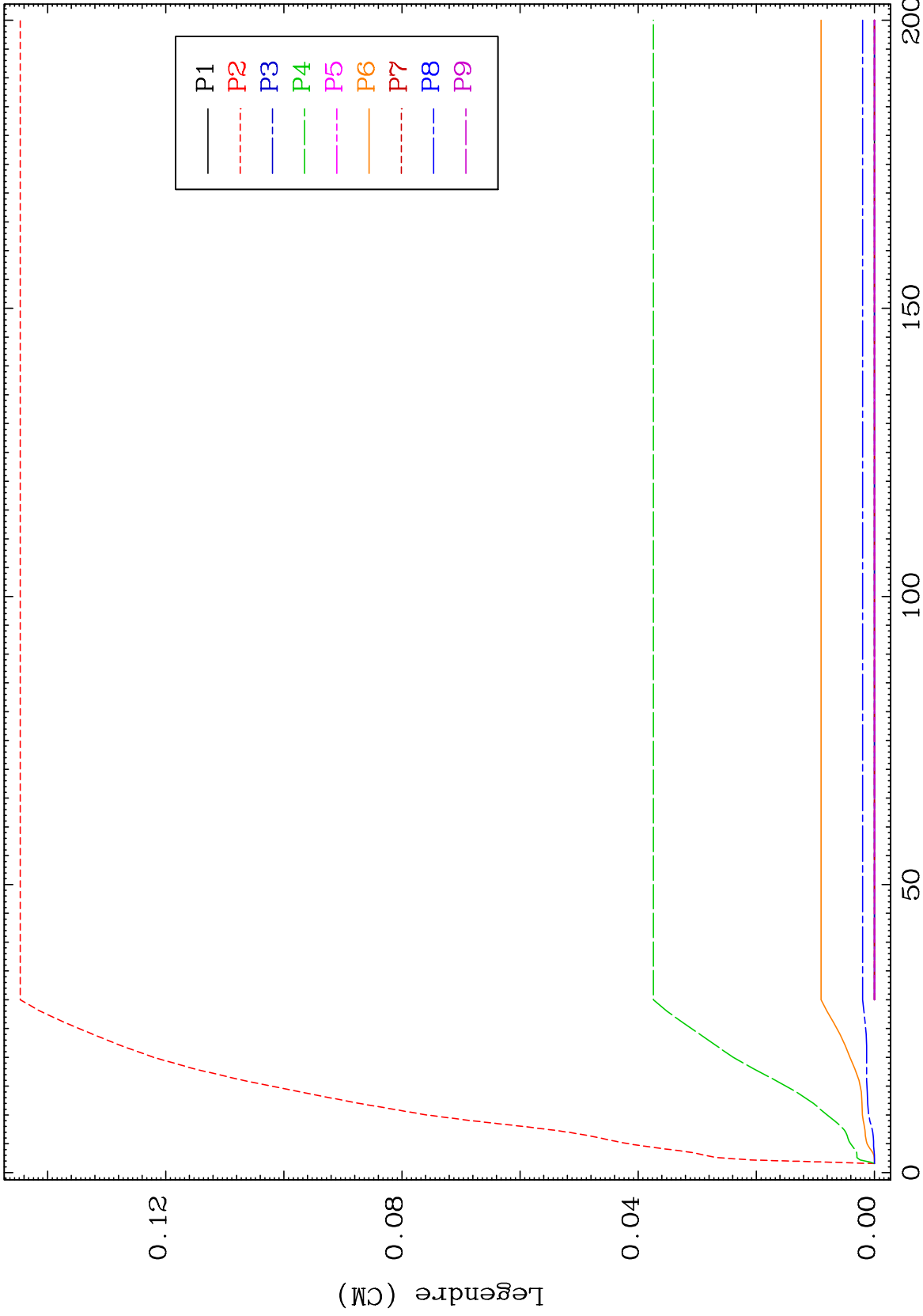


103 57-La-142

MAT 5737

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

57-La-142



57-La-142

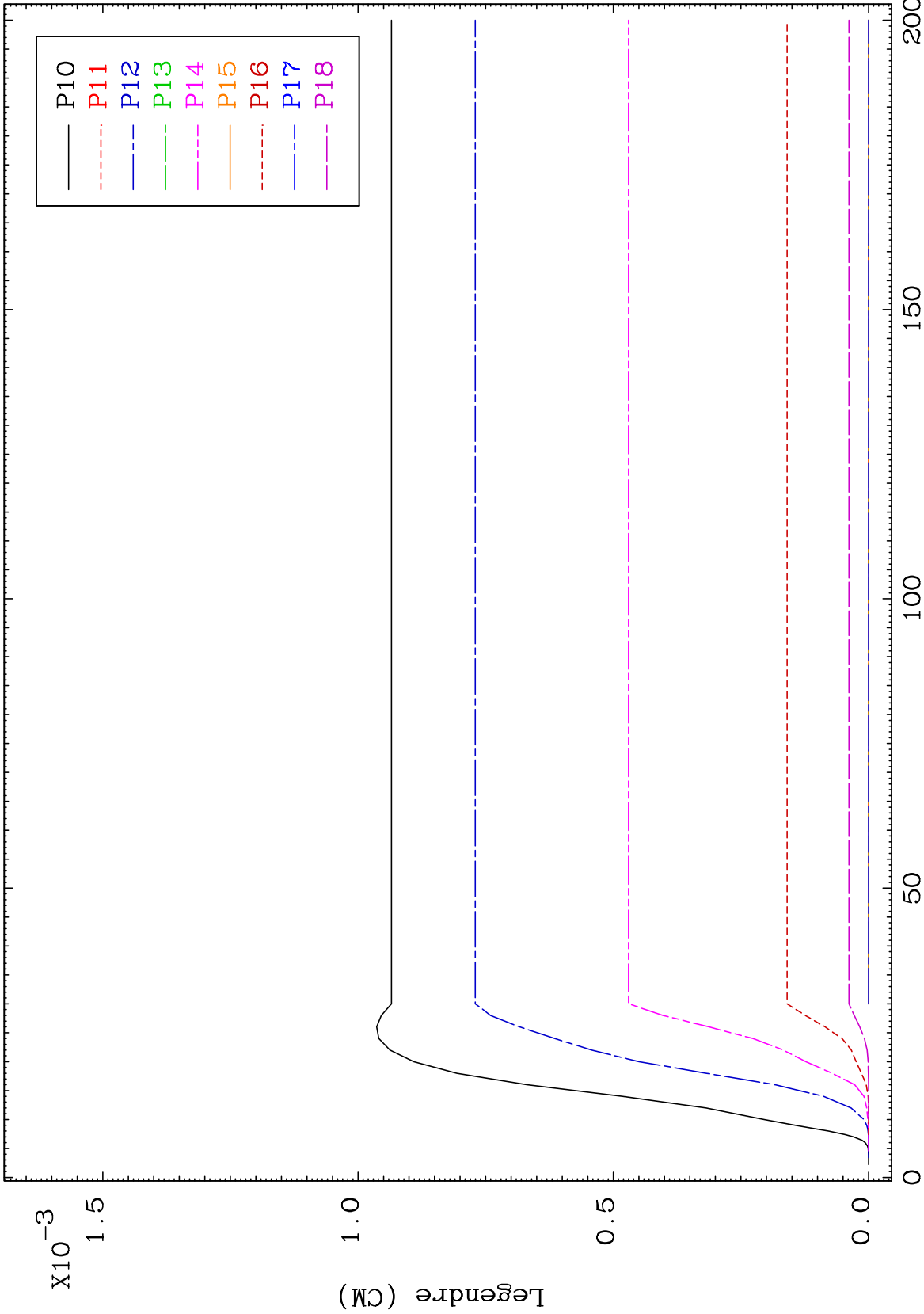
Incident Energy (MeV)

104

MAT 5737

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

57-La-142



57-La-142

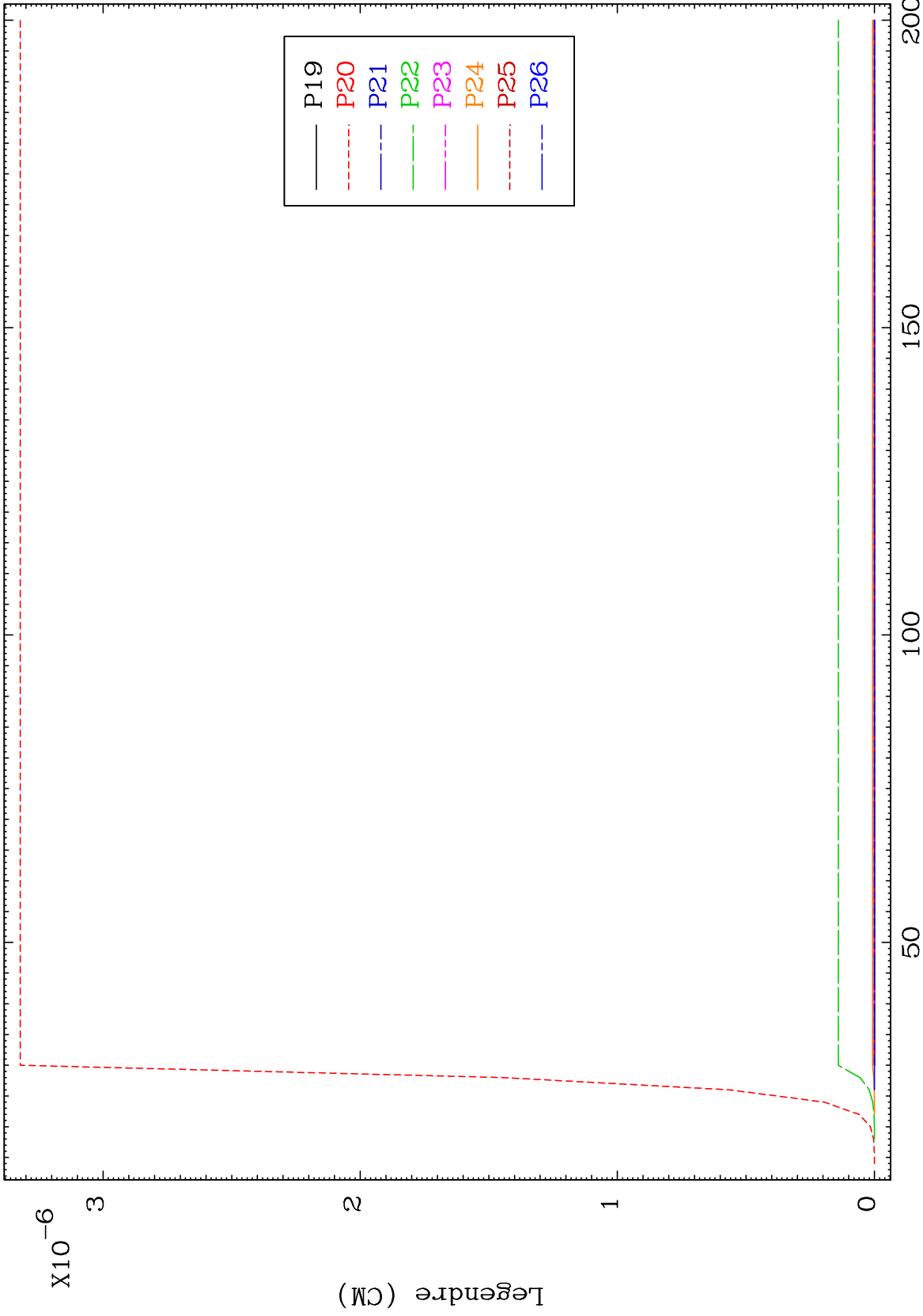
Incident Energy (MeV)

105

MAT 5737

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

57-La-142



106

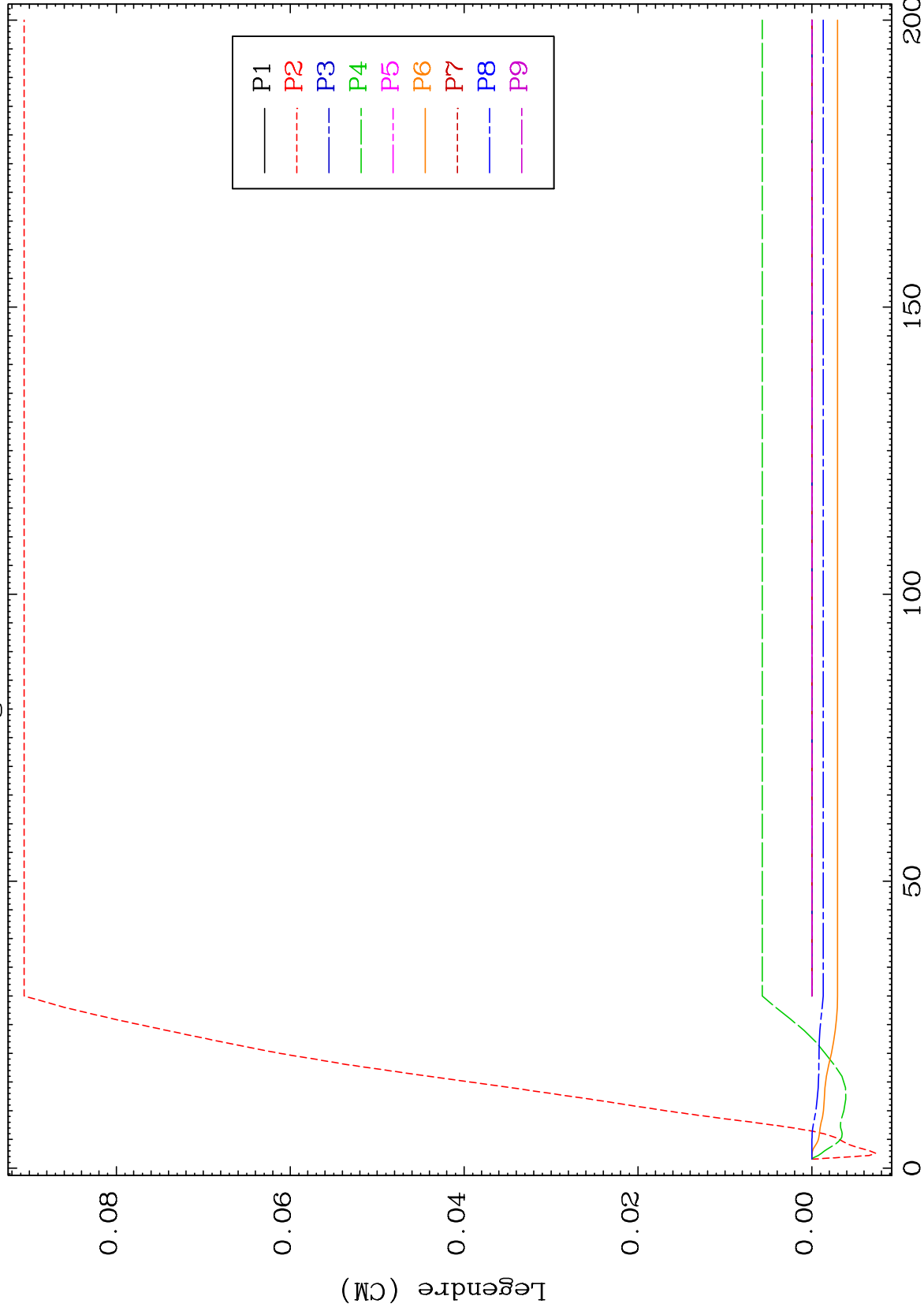
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



107

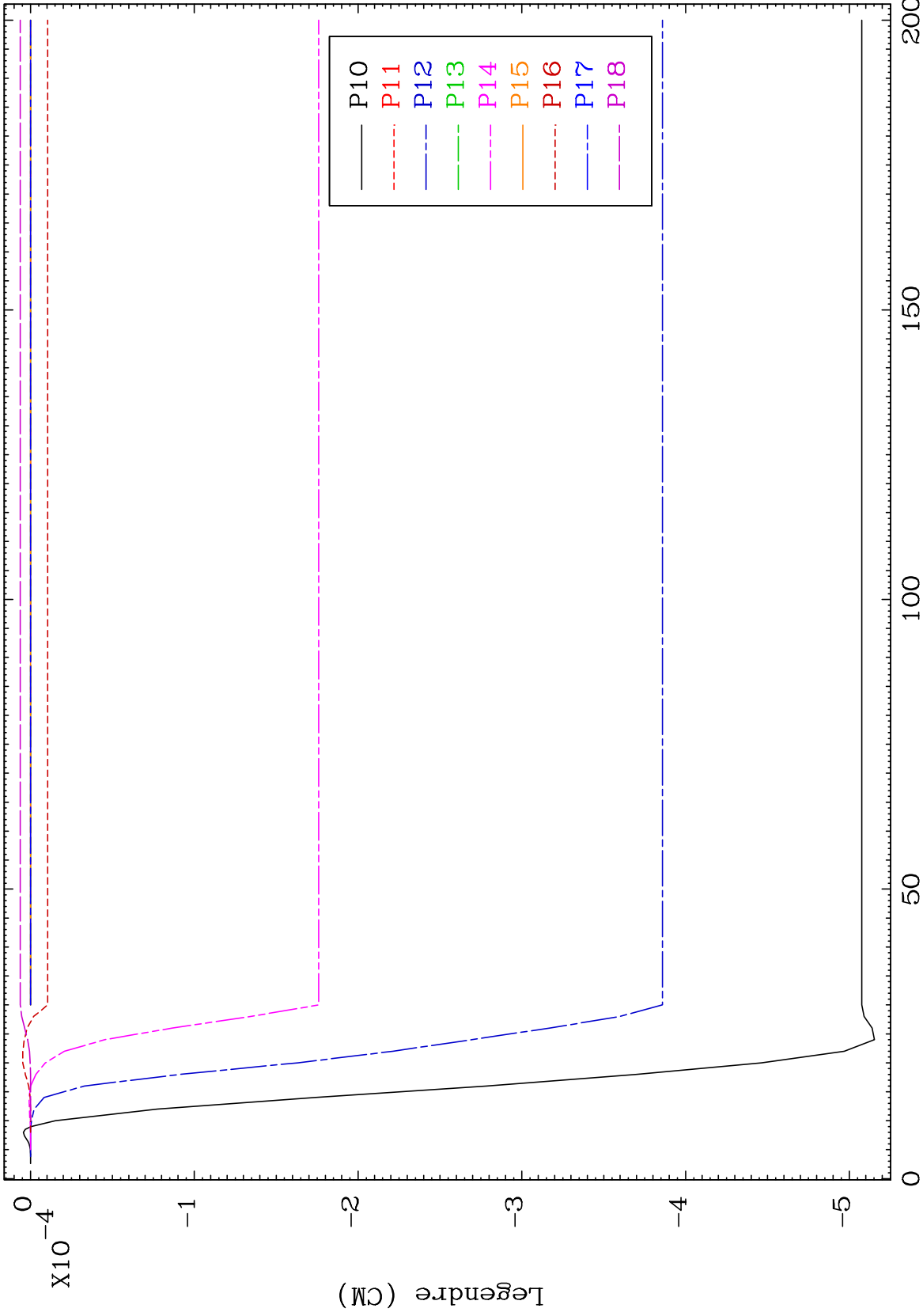
Incident Energy (MeV)

57-La-142

MAT 5737

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

57-La-142



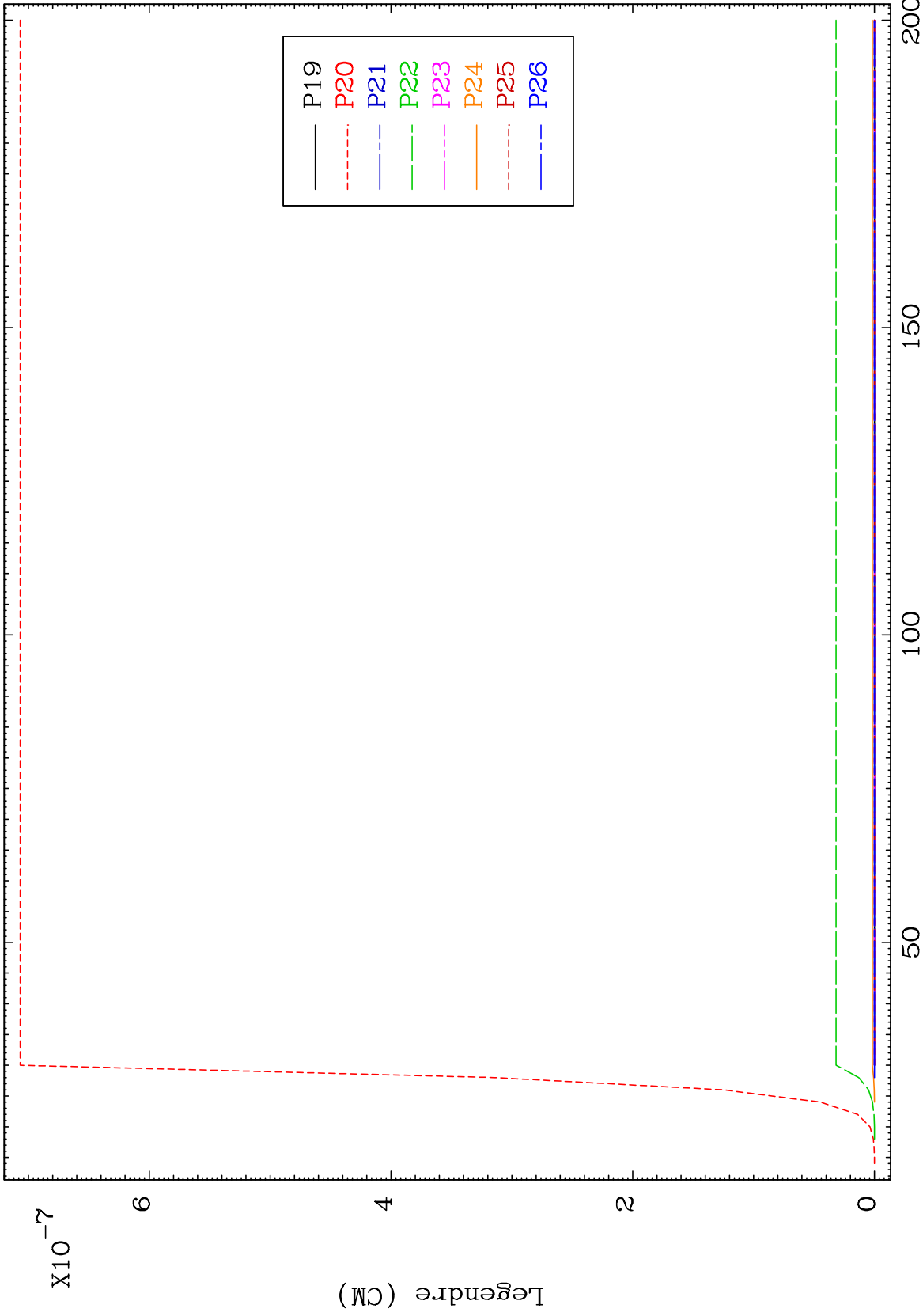
108

57-La-142

MAT 5737

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

57-La-142

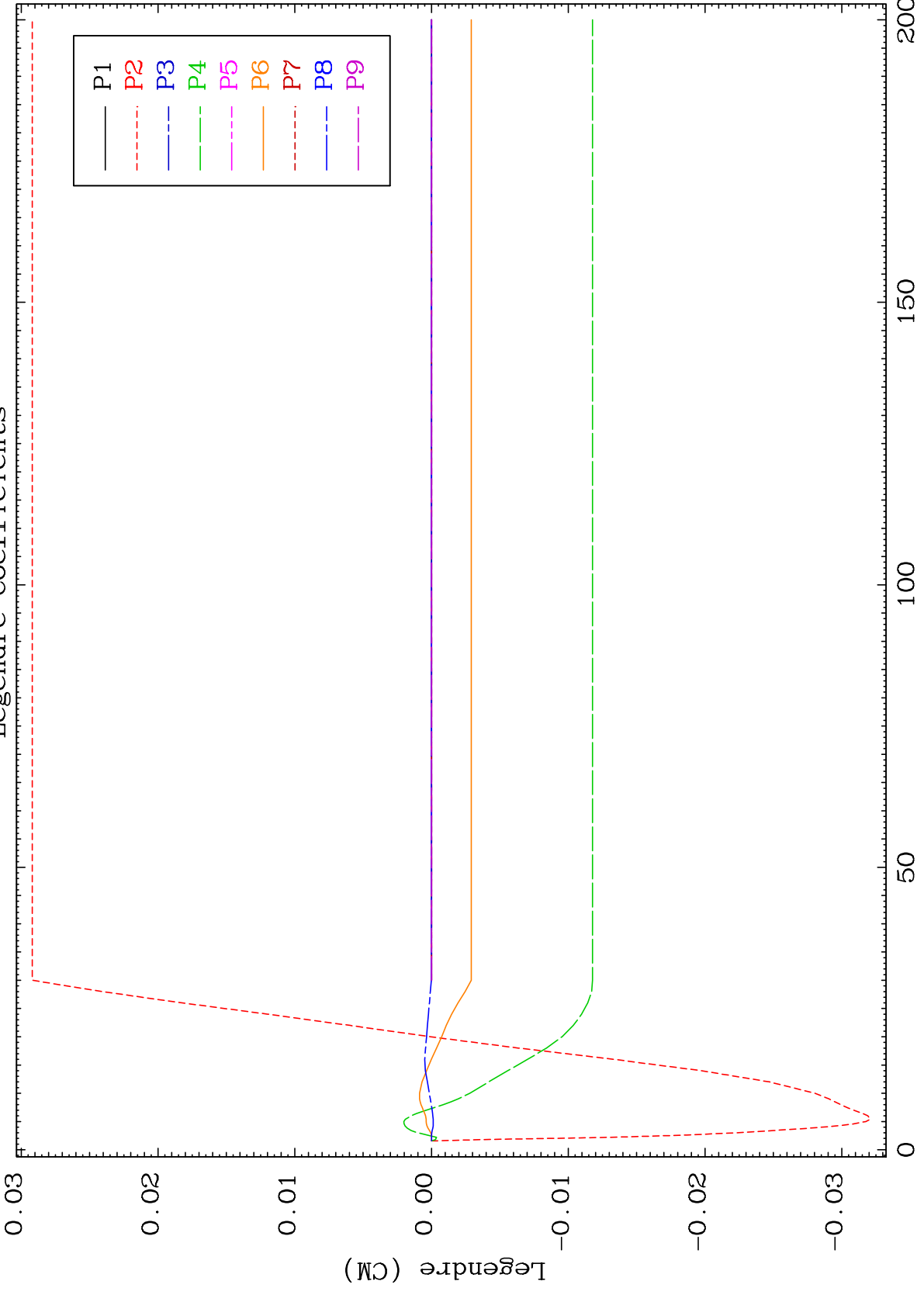


109

Incident Energy (MeV)

57-La-142

MAT 5737 MT= 79 (n,n') Level Legendre Coefficients 57-La-142

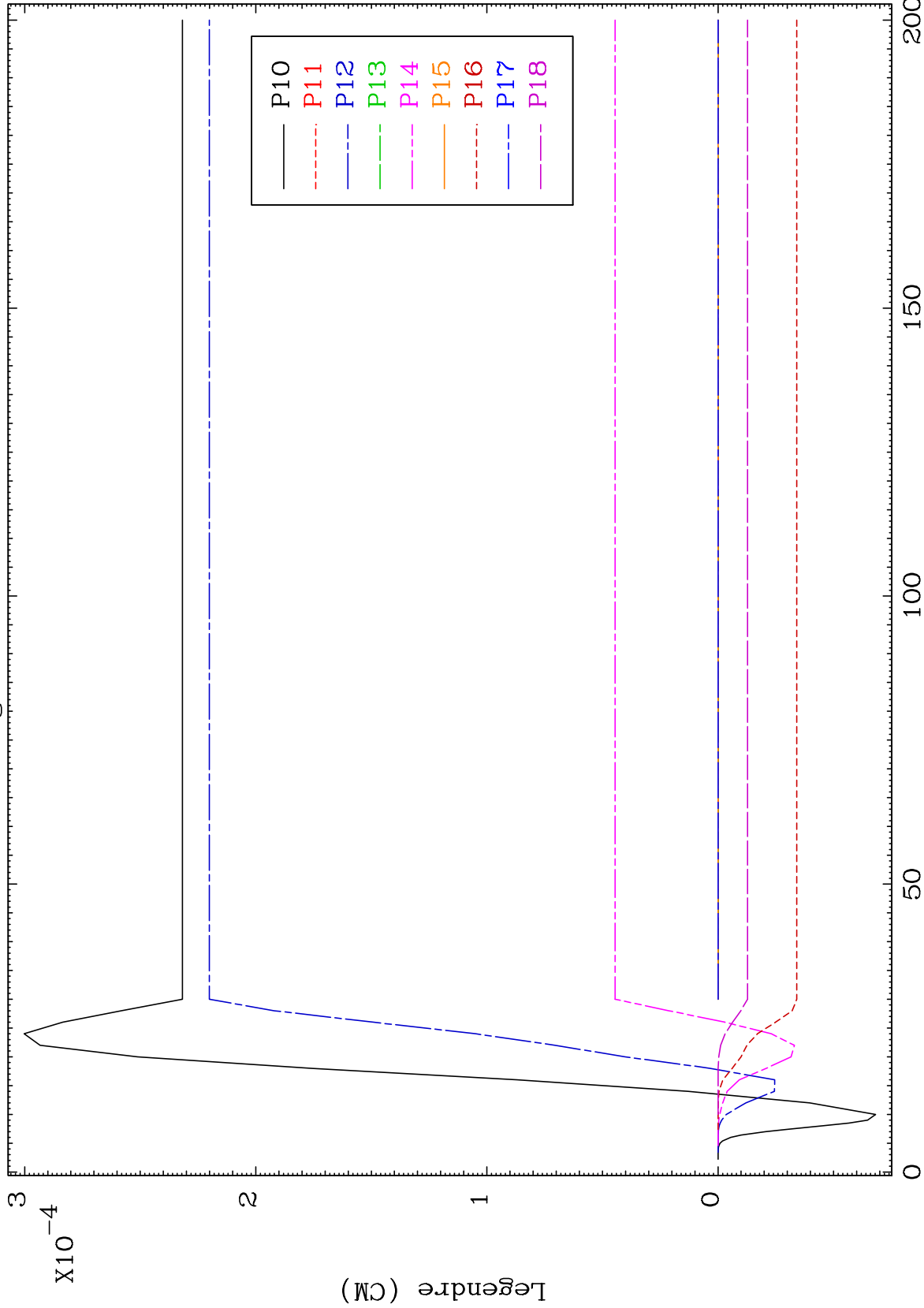


110 Incident Energy (MeV) 57-La-142

MAT 5737

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

57-La-142



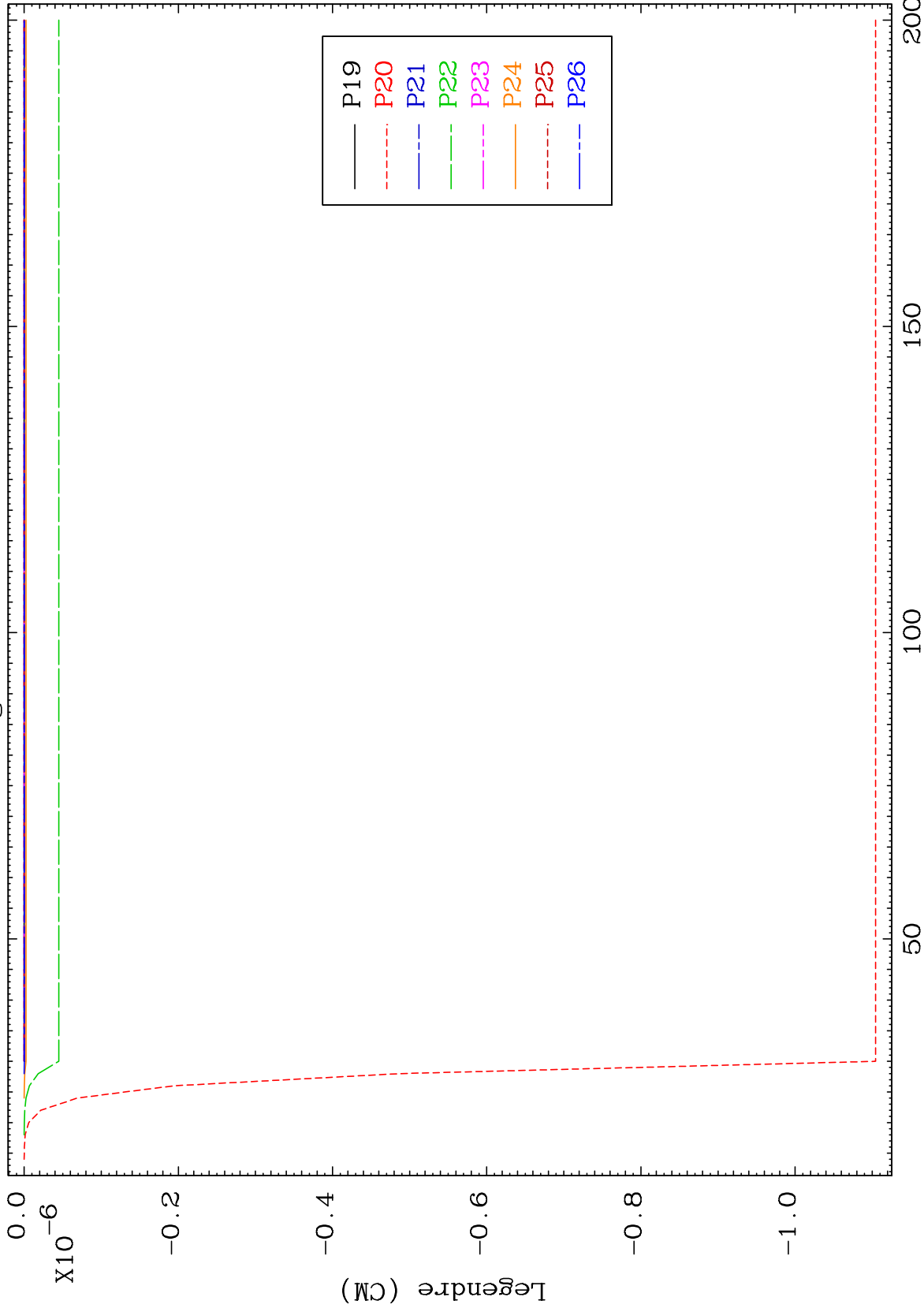
111

57-La-142

MAT 5737

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

57-La-142



112

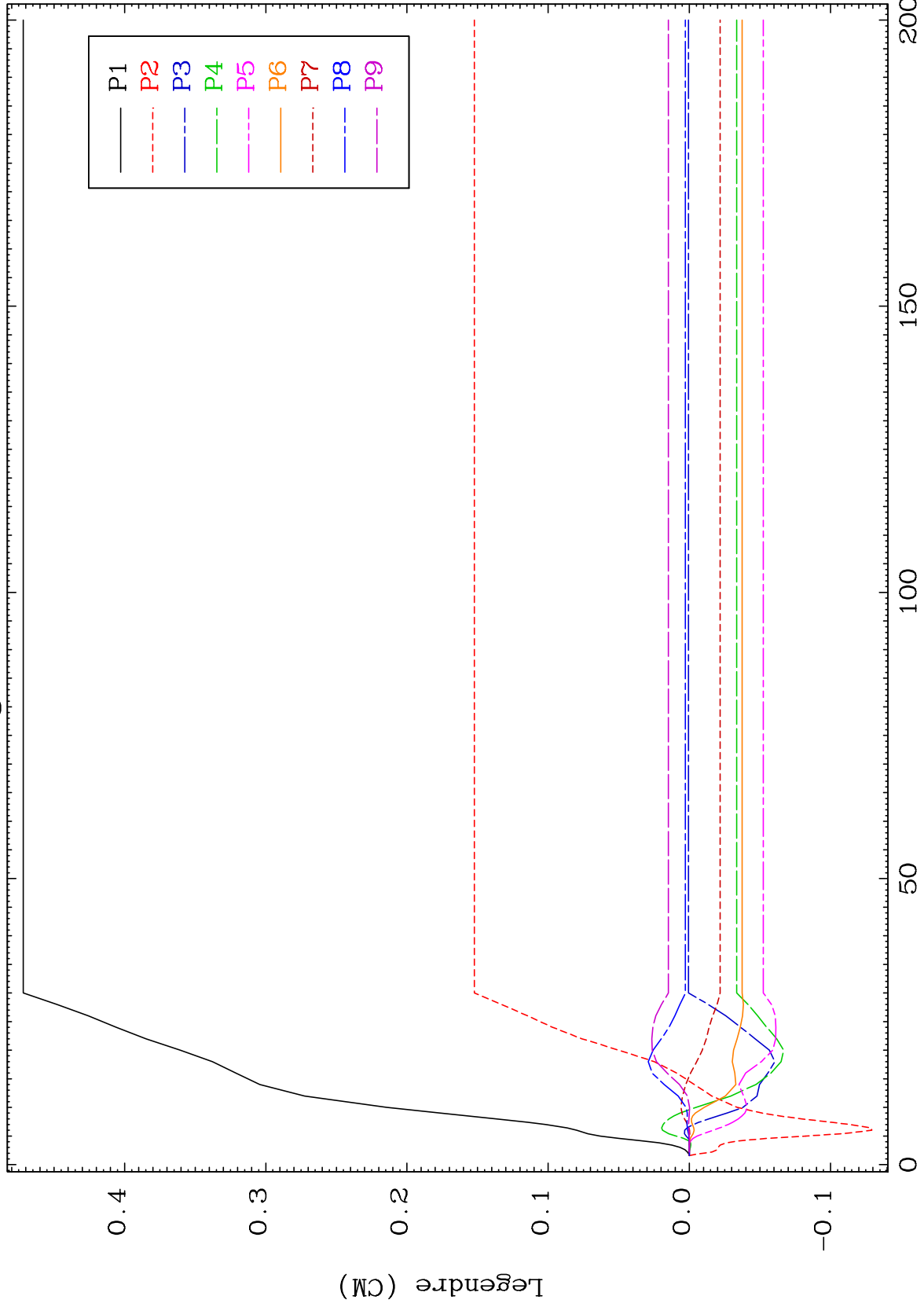
Incident Energy (MeV)

57-La-142

MAT 5737

MT= 80 (n,n') Level  
Legendre Coefficients

57-La-142

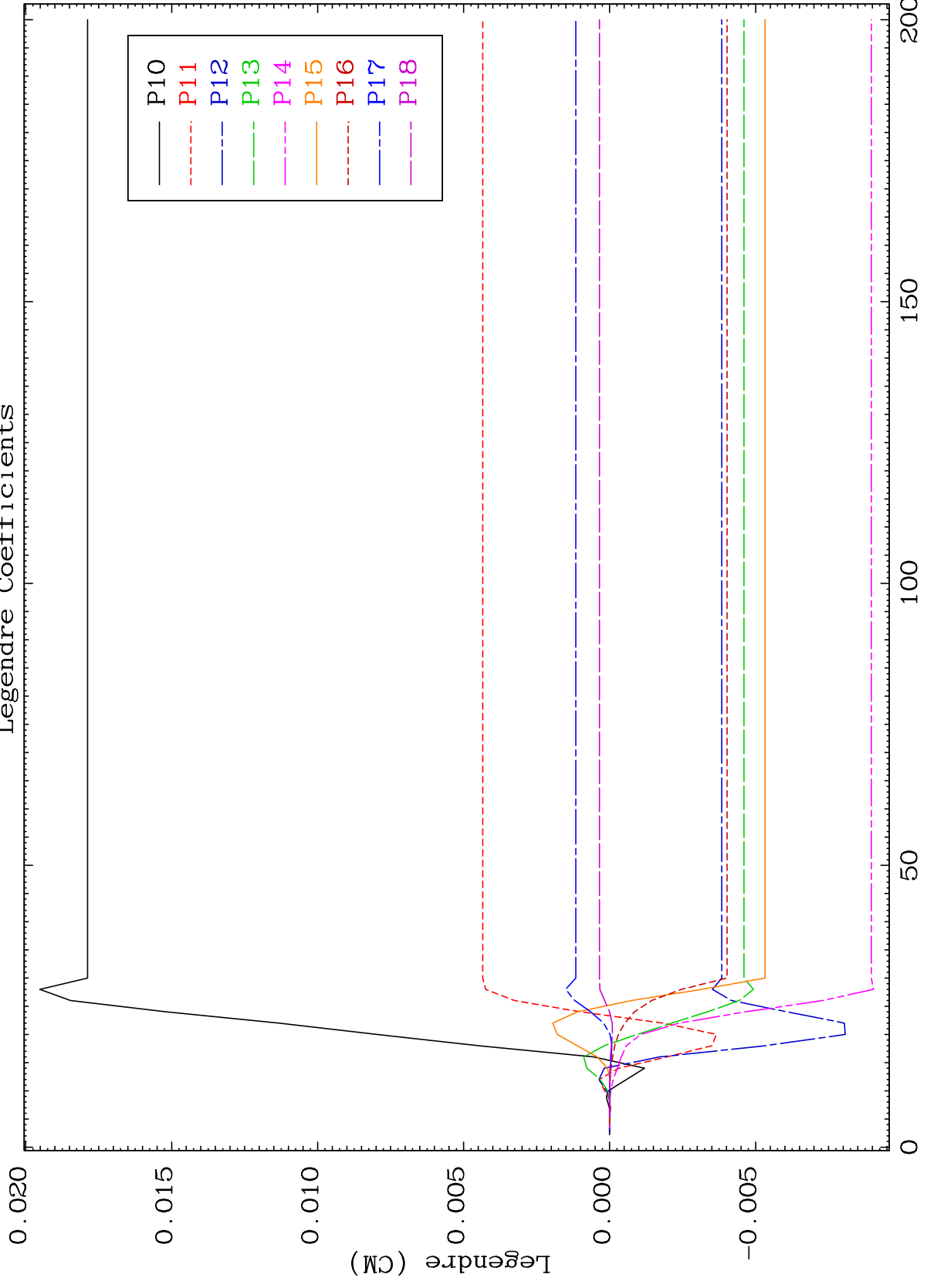


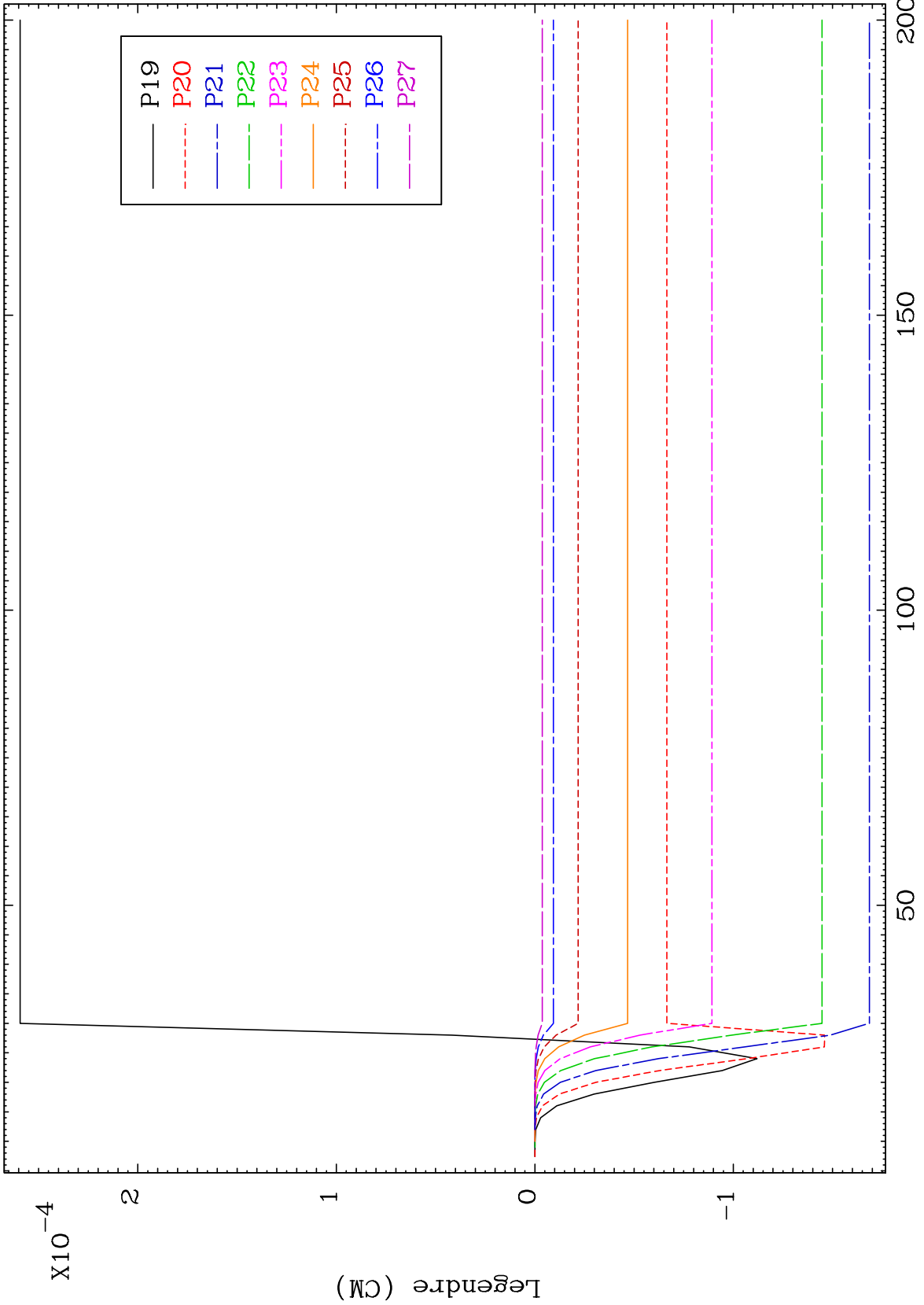
113

Incident Energy (MeV)

57-La-142

MAT 5737 MT= 80 (n,n') Level Legendre Coefficients 57-La-142

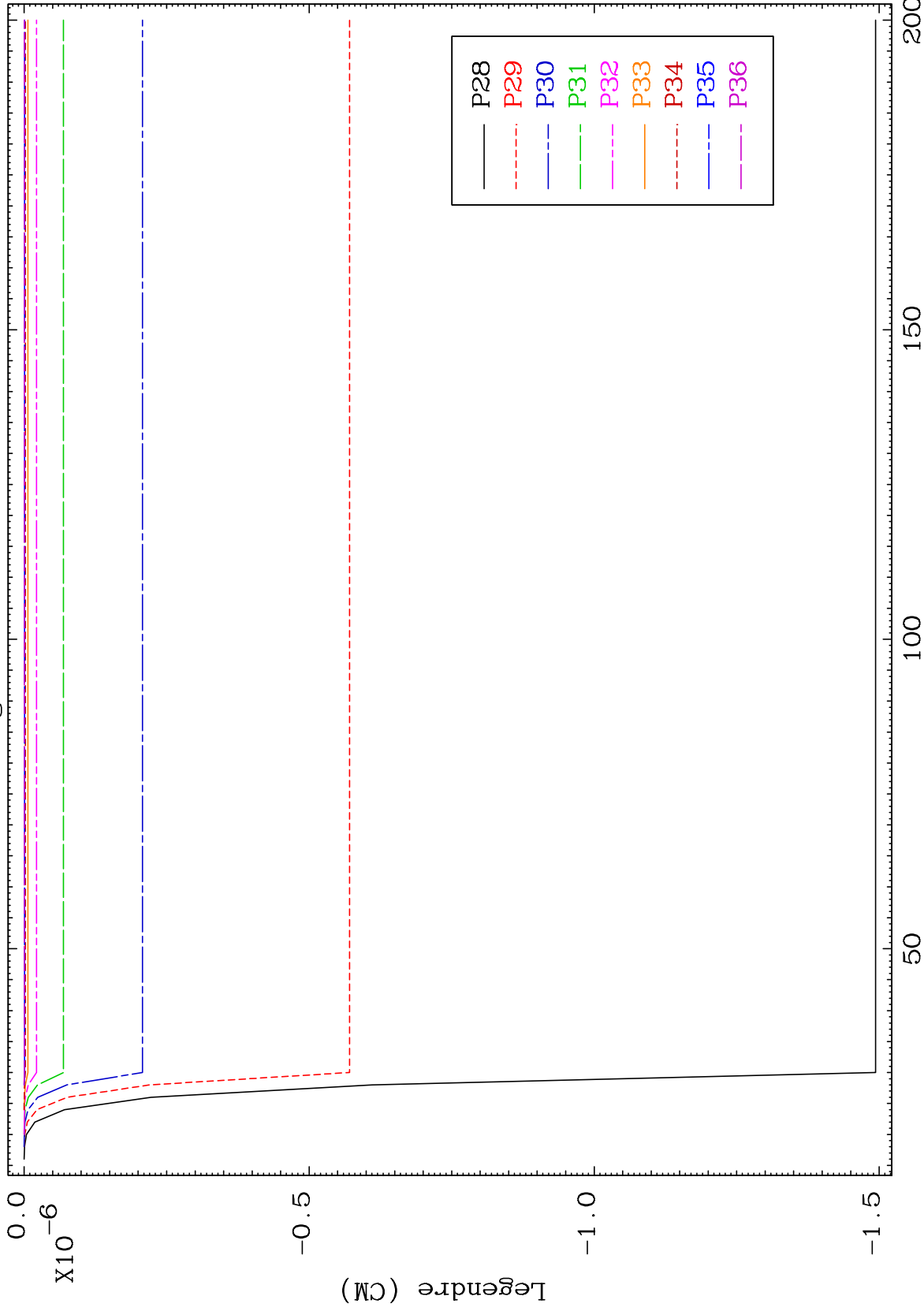




MAT 5737

MT= 80 (n,n') Level  
Legendre Coefficients

57-La-142



116

Incident Energy (MeV)

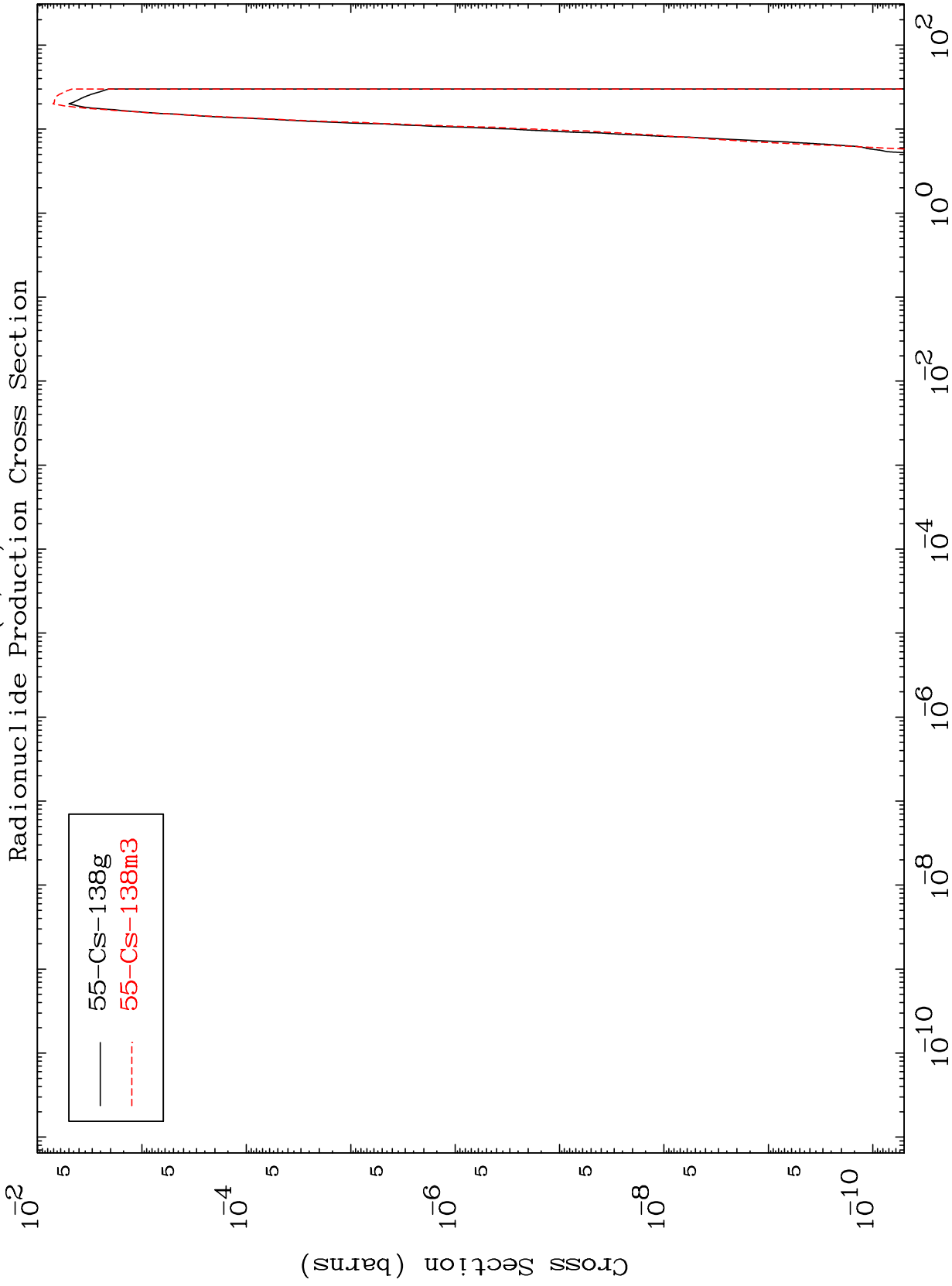
57-La-142

MAT 5737

(n,n')  $\alpha$

57-La-142

Radionuclide Production Cross Section



117

Incident Energy (MeV)

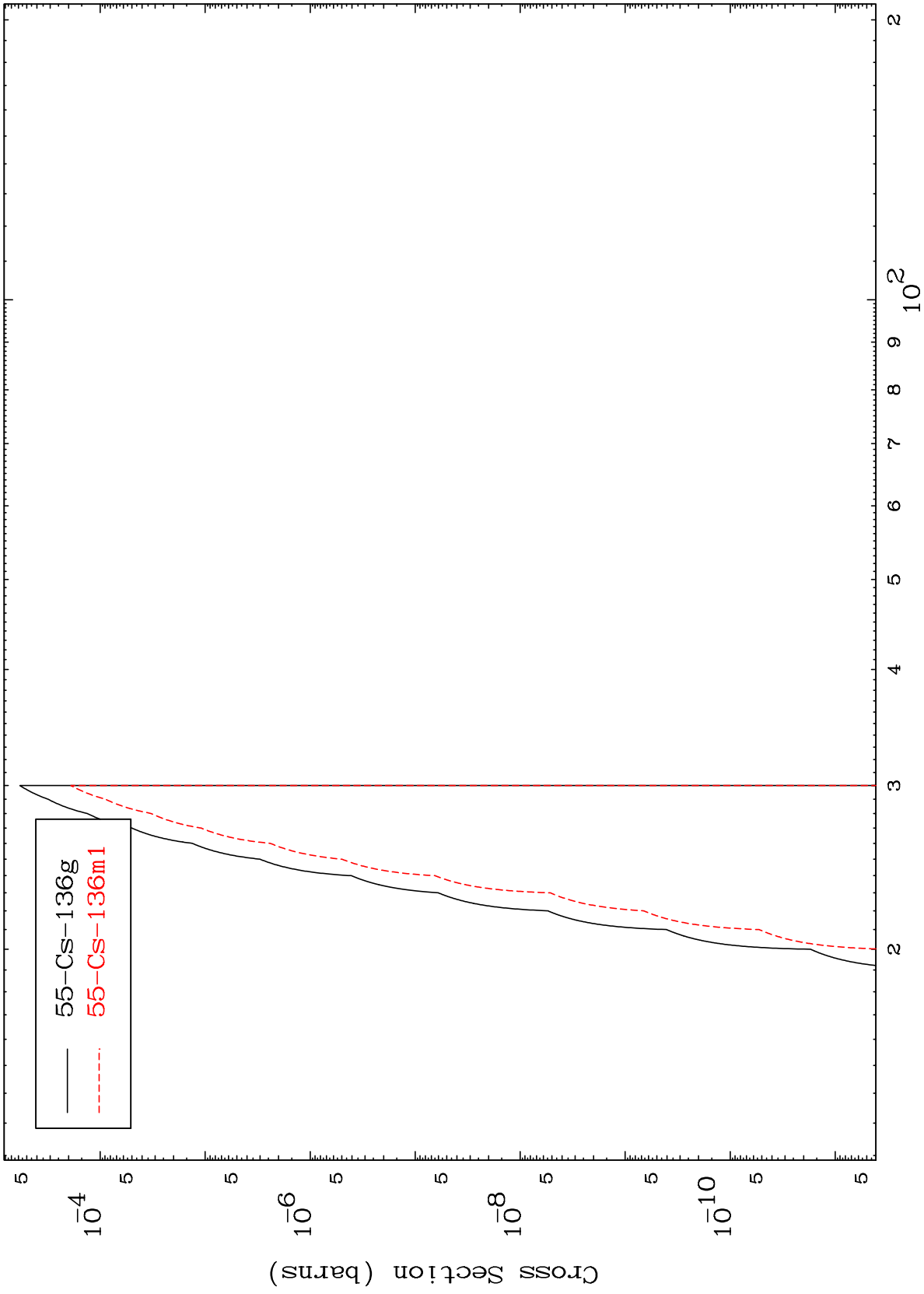
57-La-142

MAT 5737

(n,3n)  $\alpha$

57-La-142

Radionuclide Production Cross Section



118

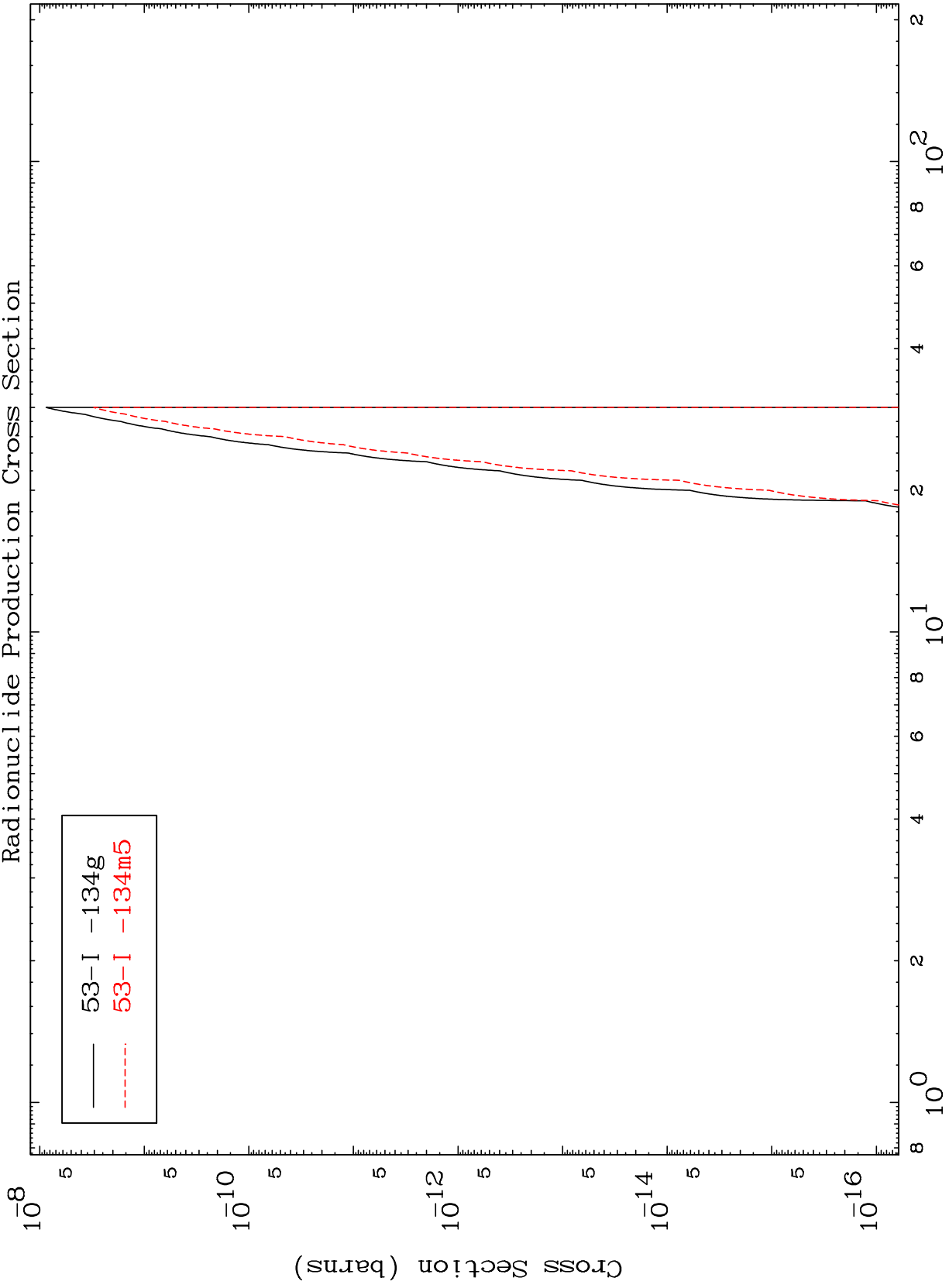
57-La-142

MAT 5737

(n,n') 2α

57-La-142

Radionuclide Production Cross Section



53-I -134g  
53-I -134m5

119

Incident Energy (MeV)

57-La-142