

Program EVALPLOT  
(Version 2018-1)

by

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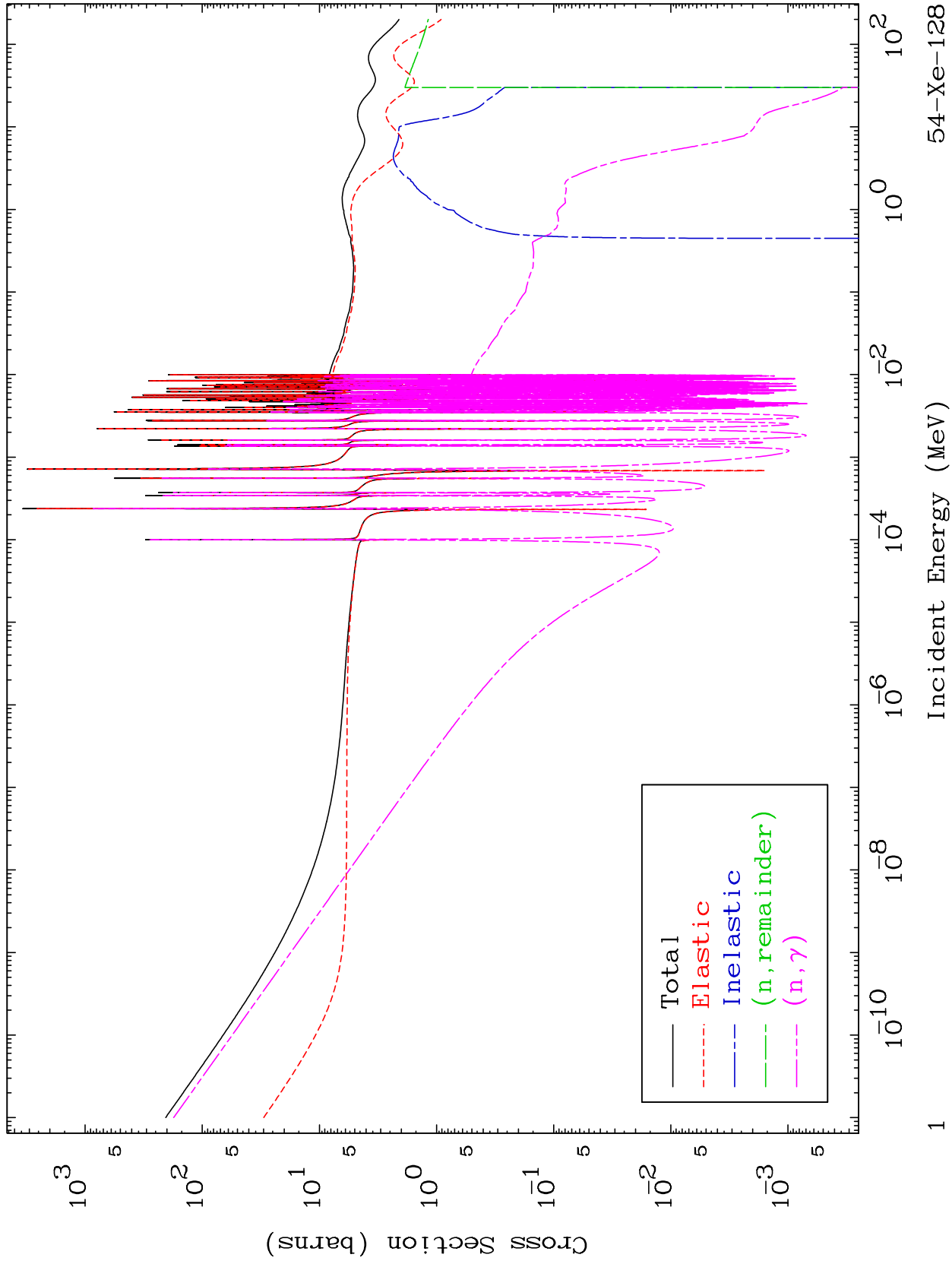
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5437

Major  
293 Kelvin Cross Sections

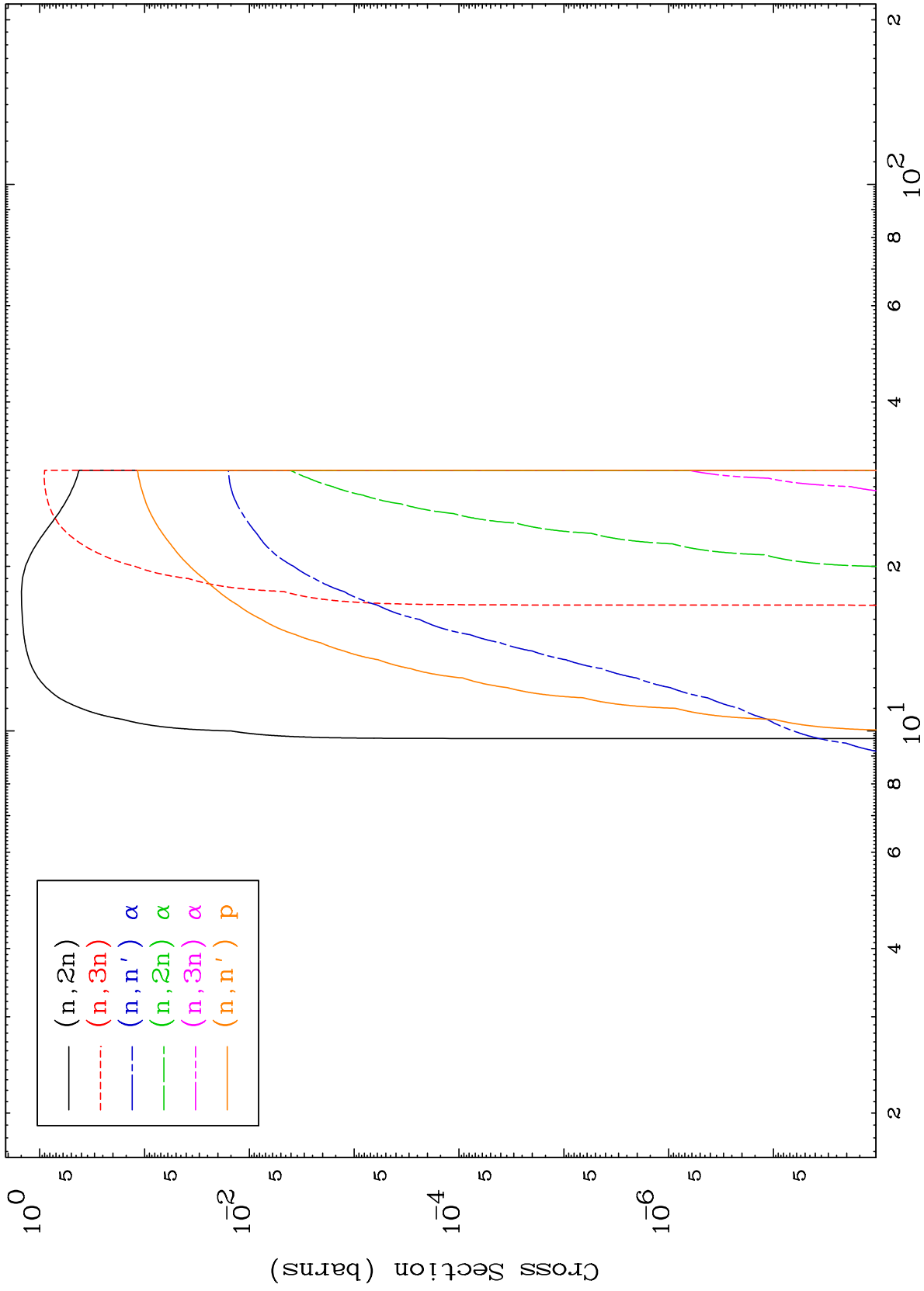
54-Xe-128



MAT 5437

Neutron Production  
293 Kelvin Cross Sections

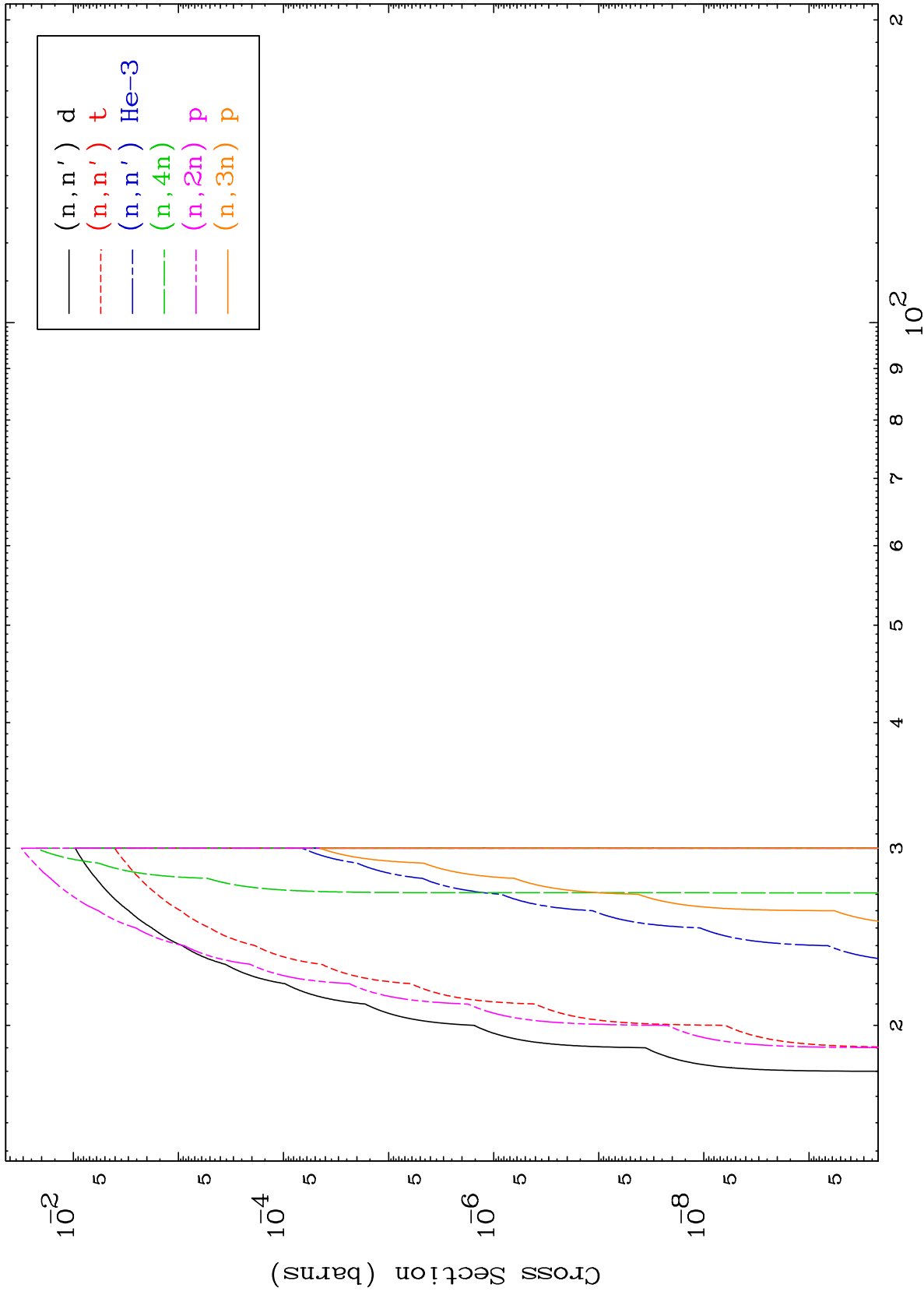
54-Xe-128

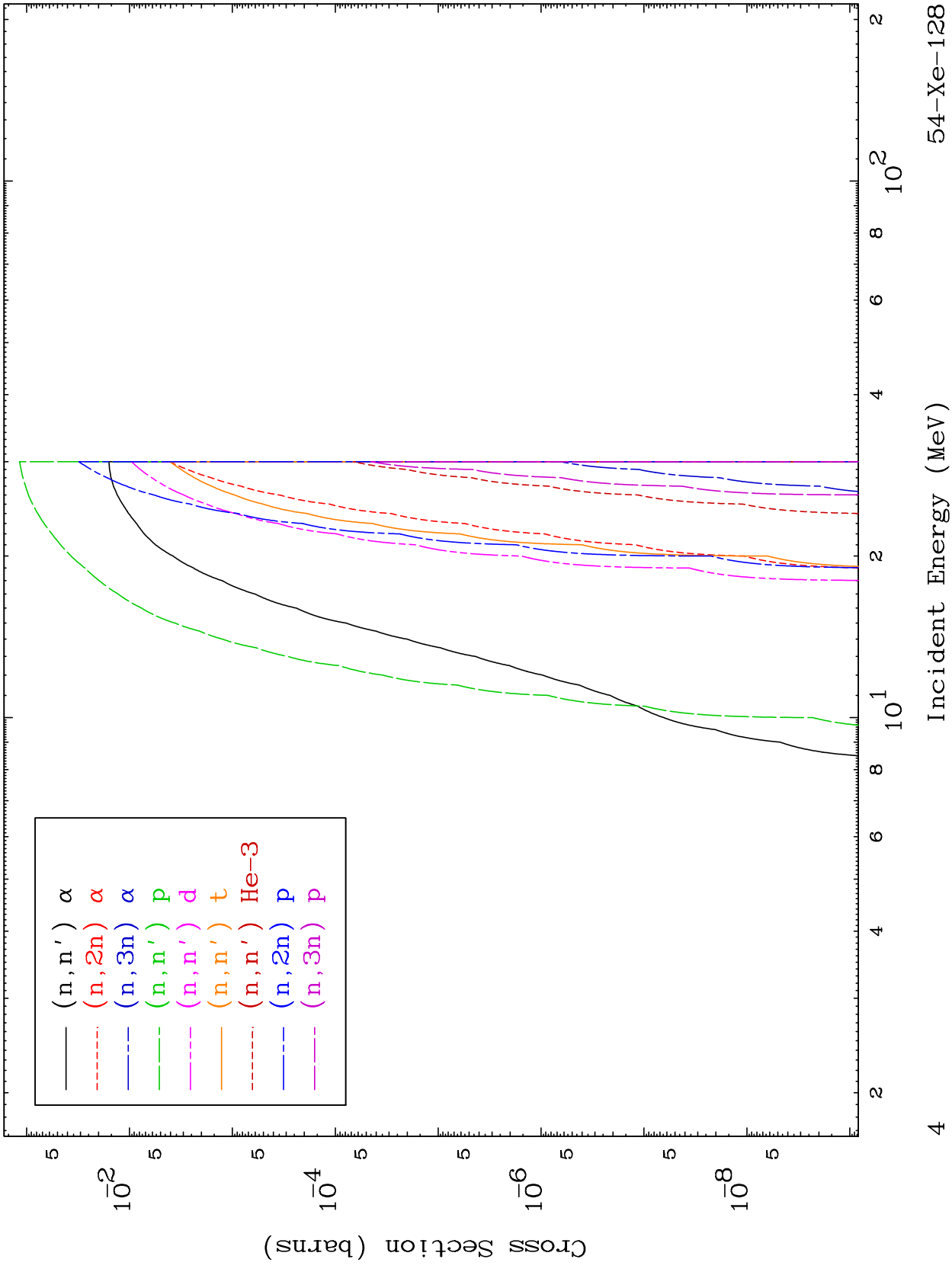


2

Incident Energy (MeV)

54-Xe-128

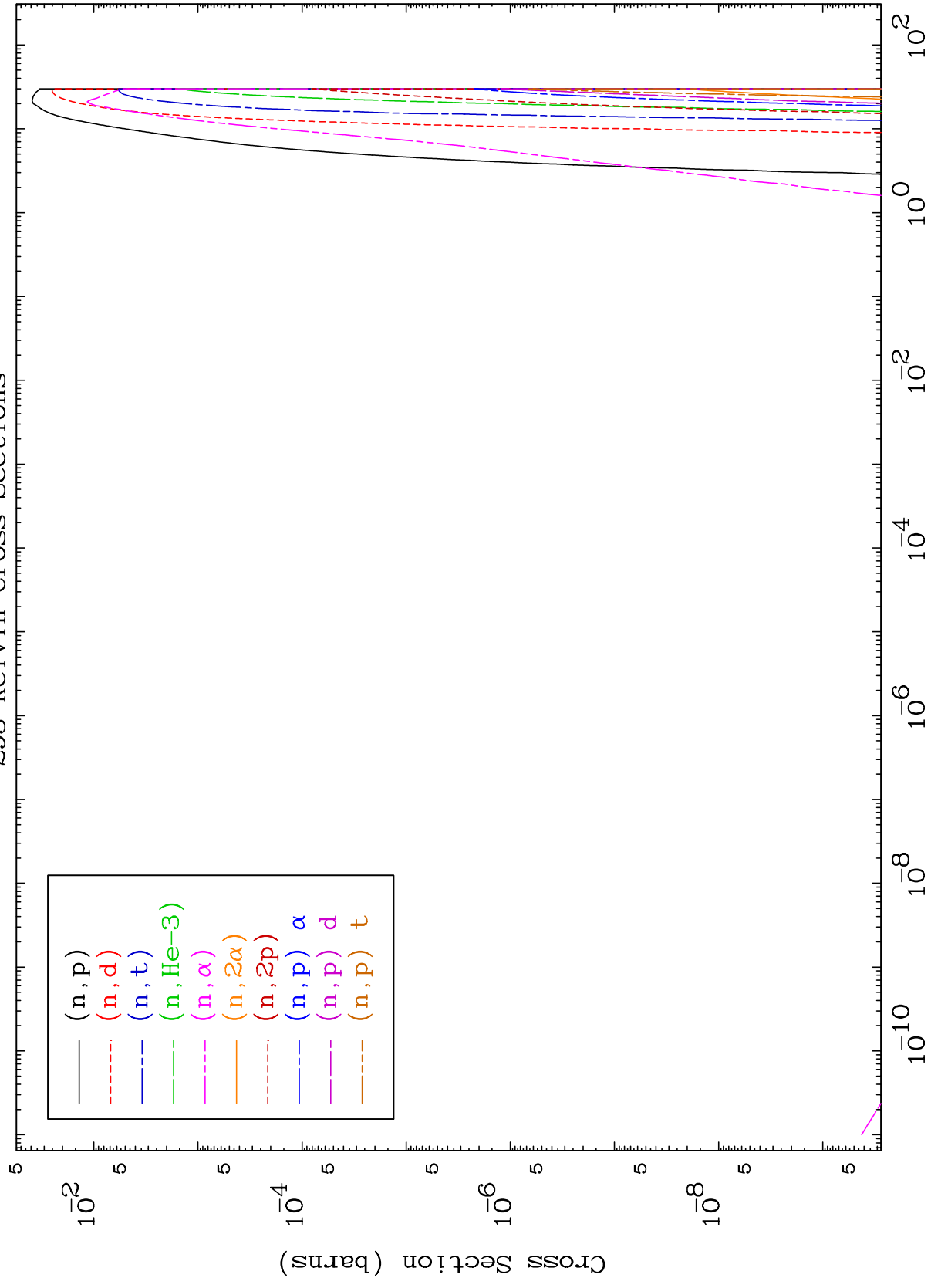




MAT 5437

293 Charged Particle  
Kelvin Cross Sections

54-Xe-128

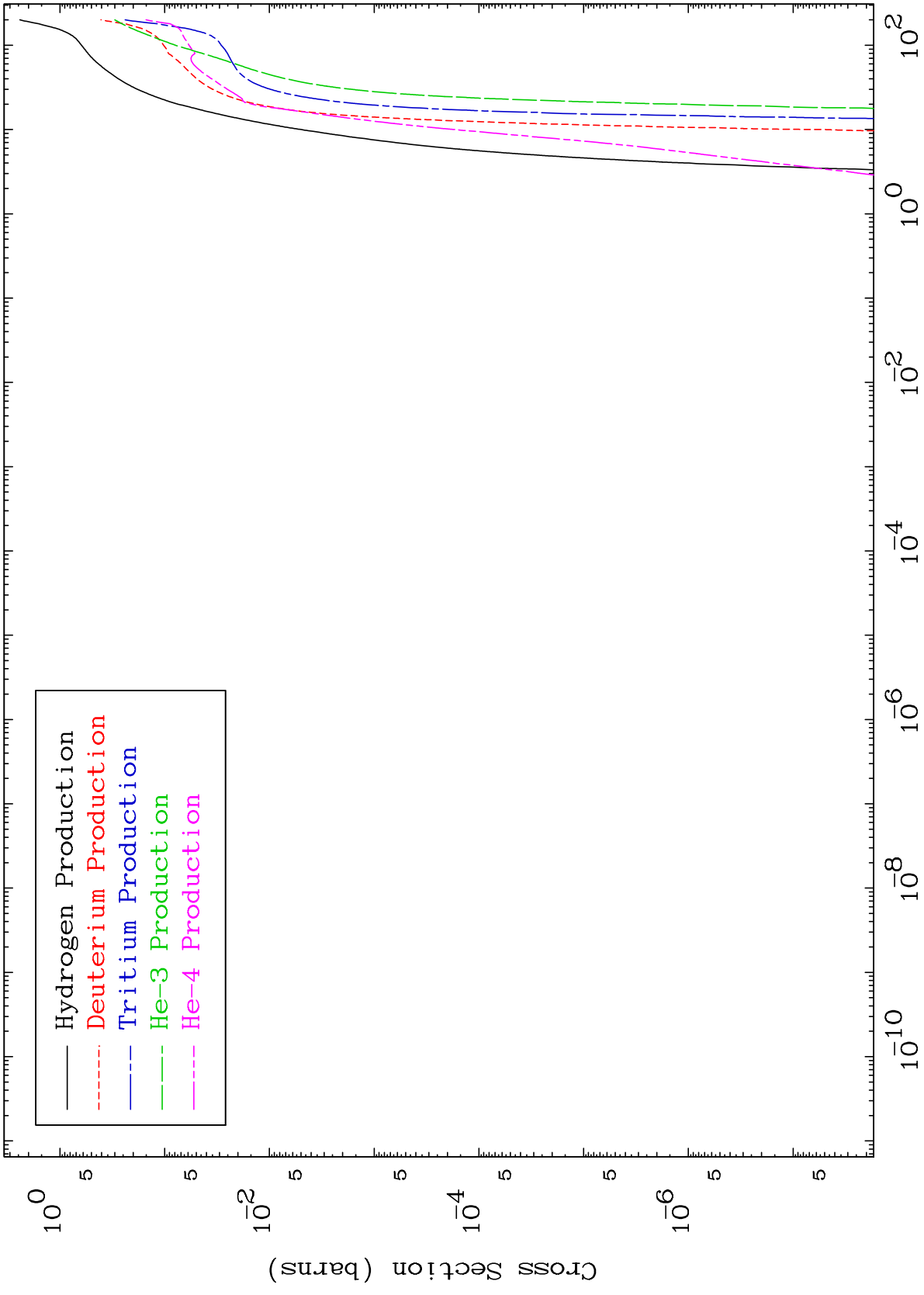


5

MAT 5437

Particle Production  
293 Kelvin Cross Sections

54-Xe-128

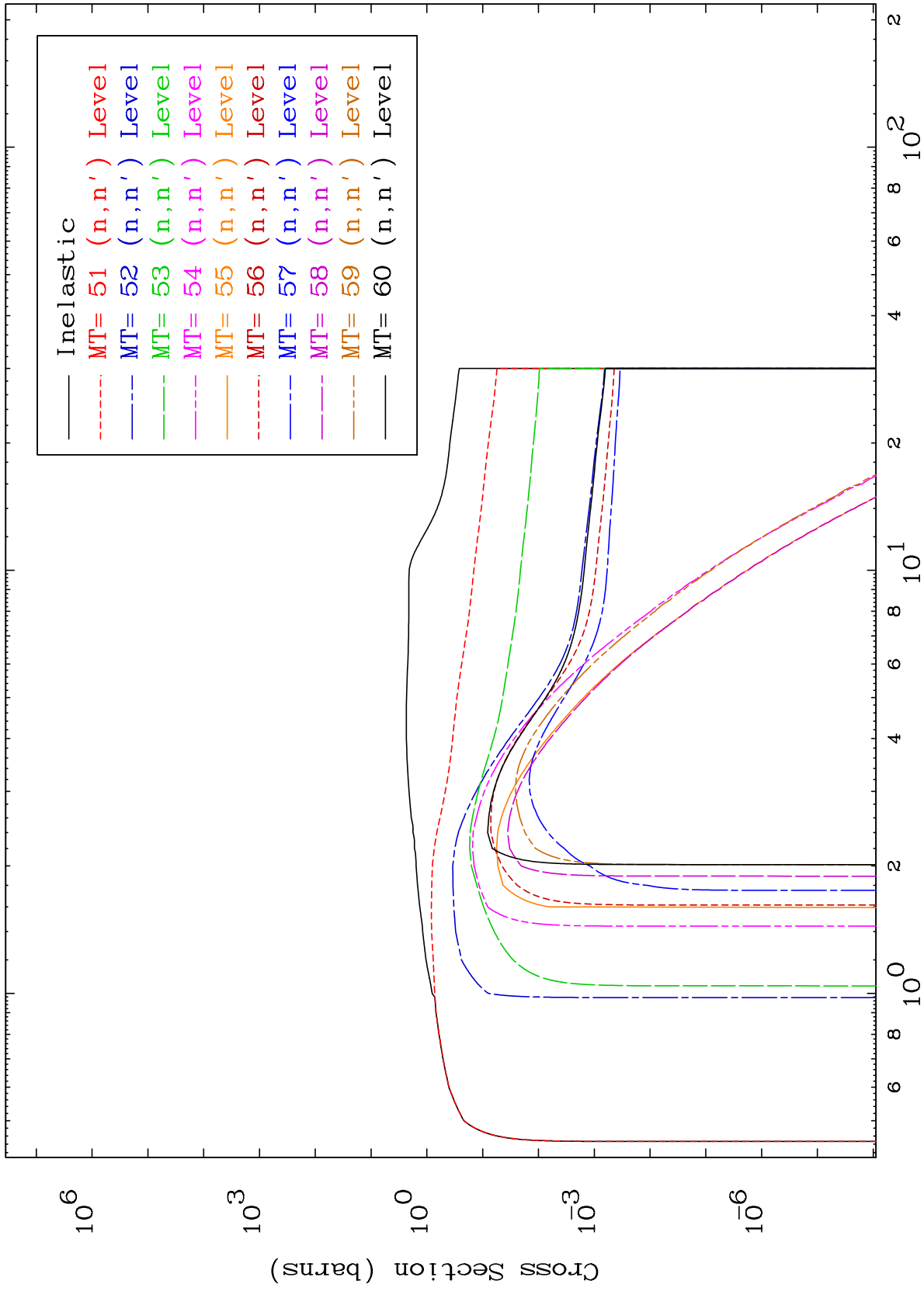


MAT 5437

(n,n') Level

54-Xe-128

293 Kelvin Cross Sections



7

Incident Energy (MeV)

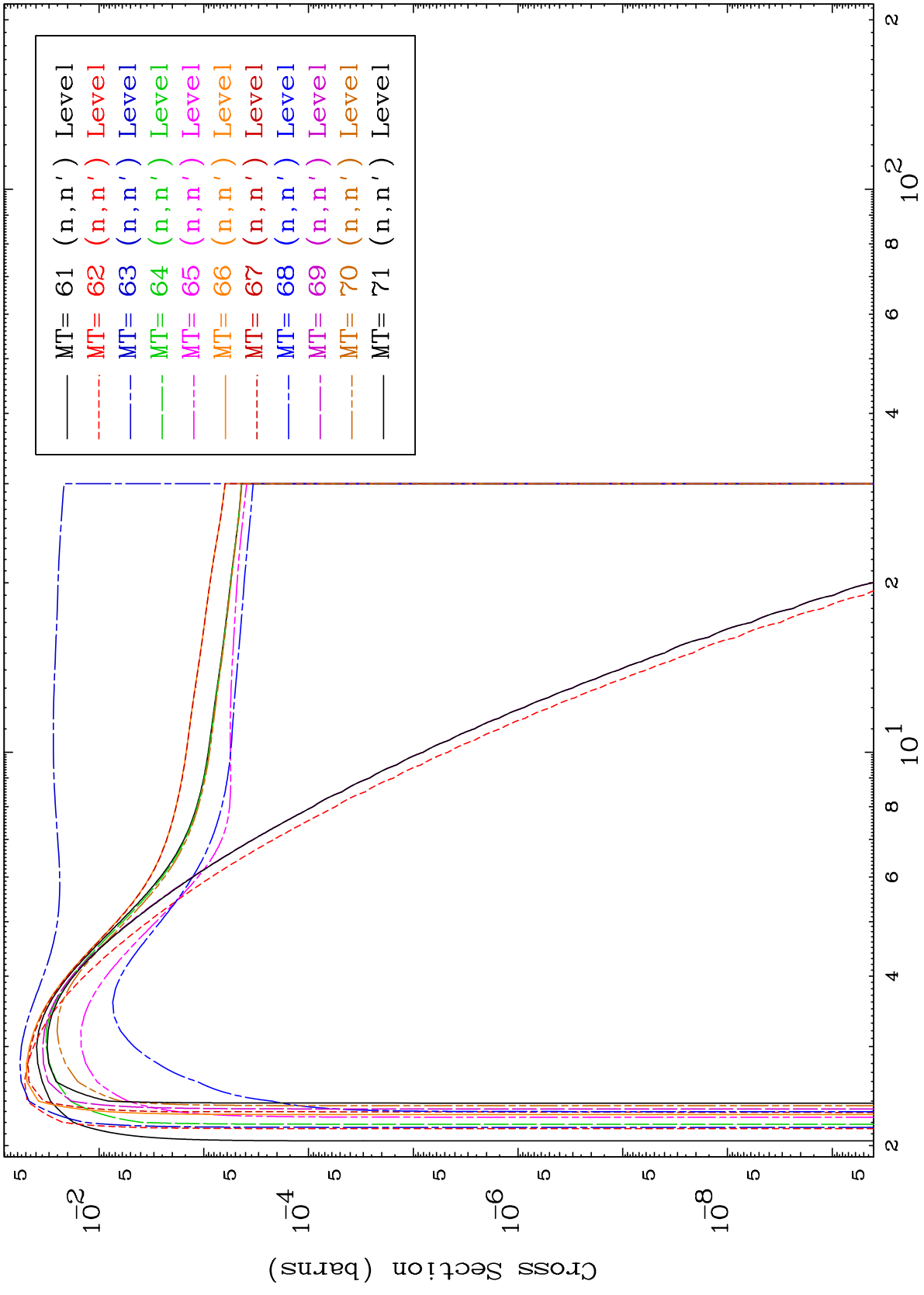
54-Xe-128



MAT 5437

(n,n') Level  
293 Kelvin Cross Sections

54-Xe-128



8

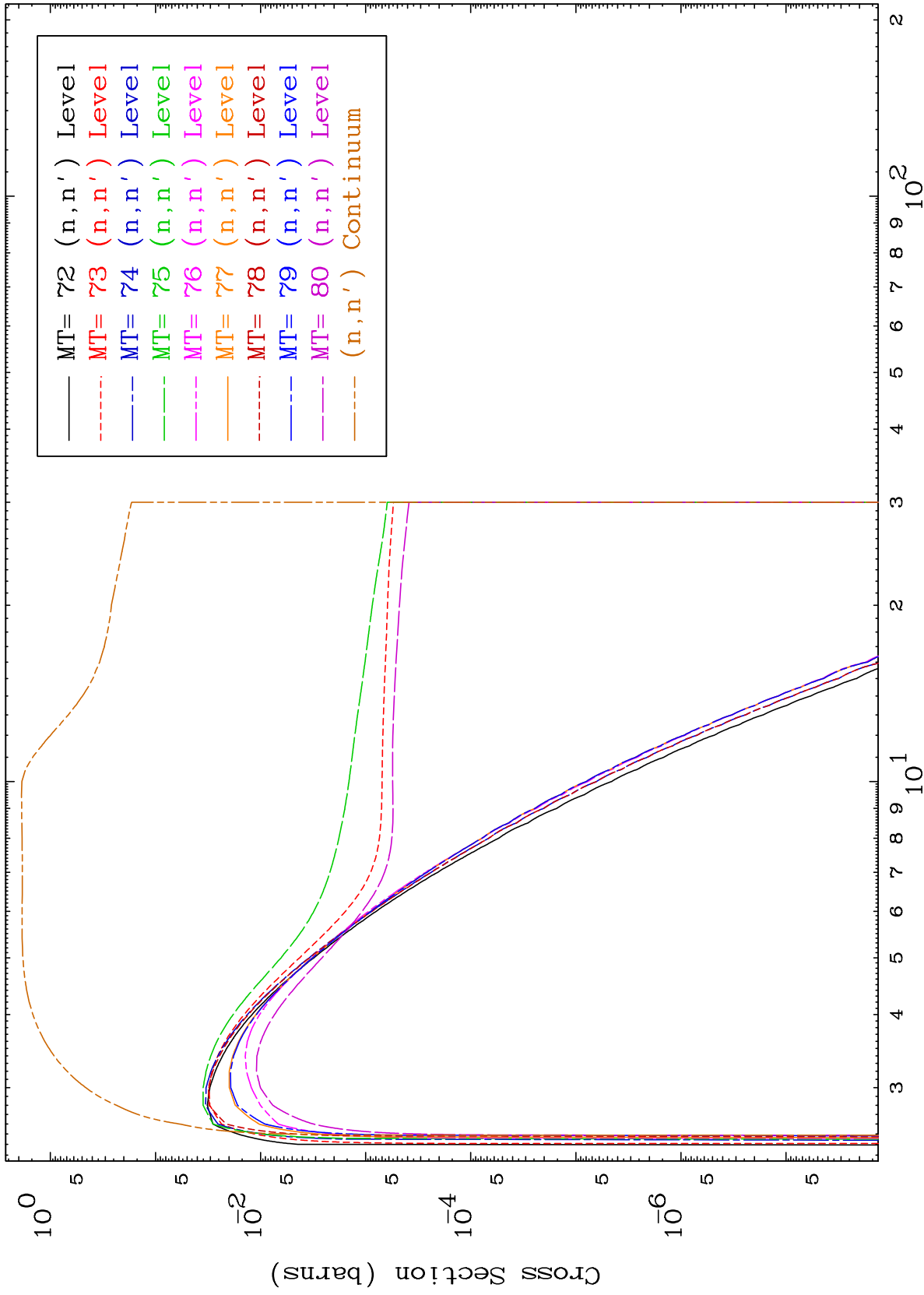
Incident Energy (MeV)

54-Xe-128

MAT 5437

(n,n') Level  
293 Kelvin Cross Sections

54-Xe-128



9

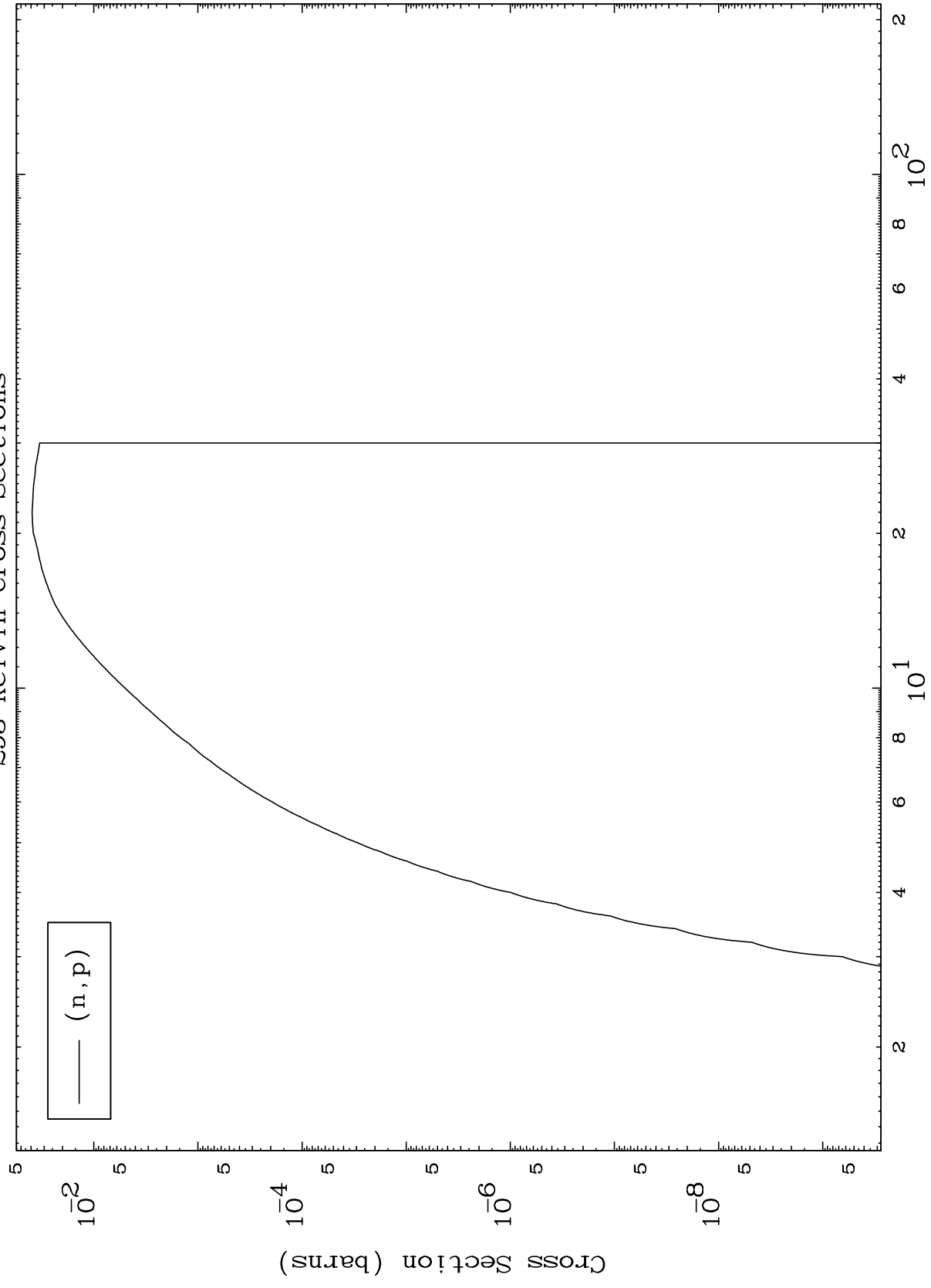
Incident Energy (MeV)

54-Xe-128

MAT 5437

(n,p) Levels  
293 Kelvin Cross Sections

54-Xe-128



10

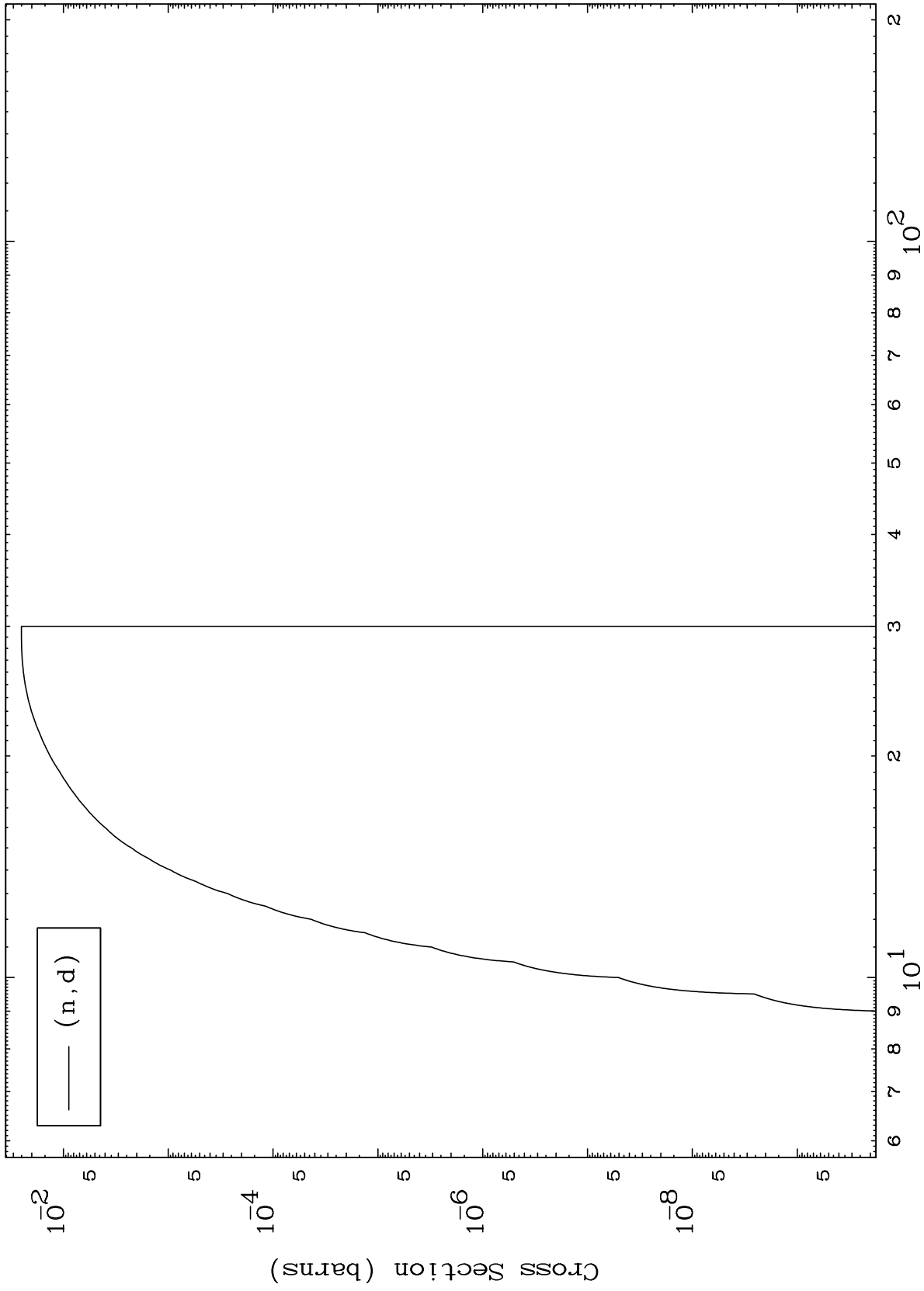
Incident Energy (MeV)

54-Xe-128

MAT 5437

(n,d) Levels  
293 Kelvin Cross Sections

54-Xe-128



11

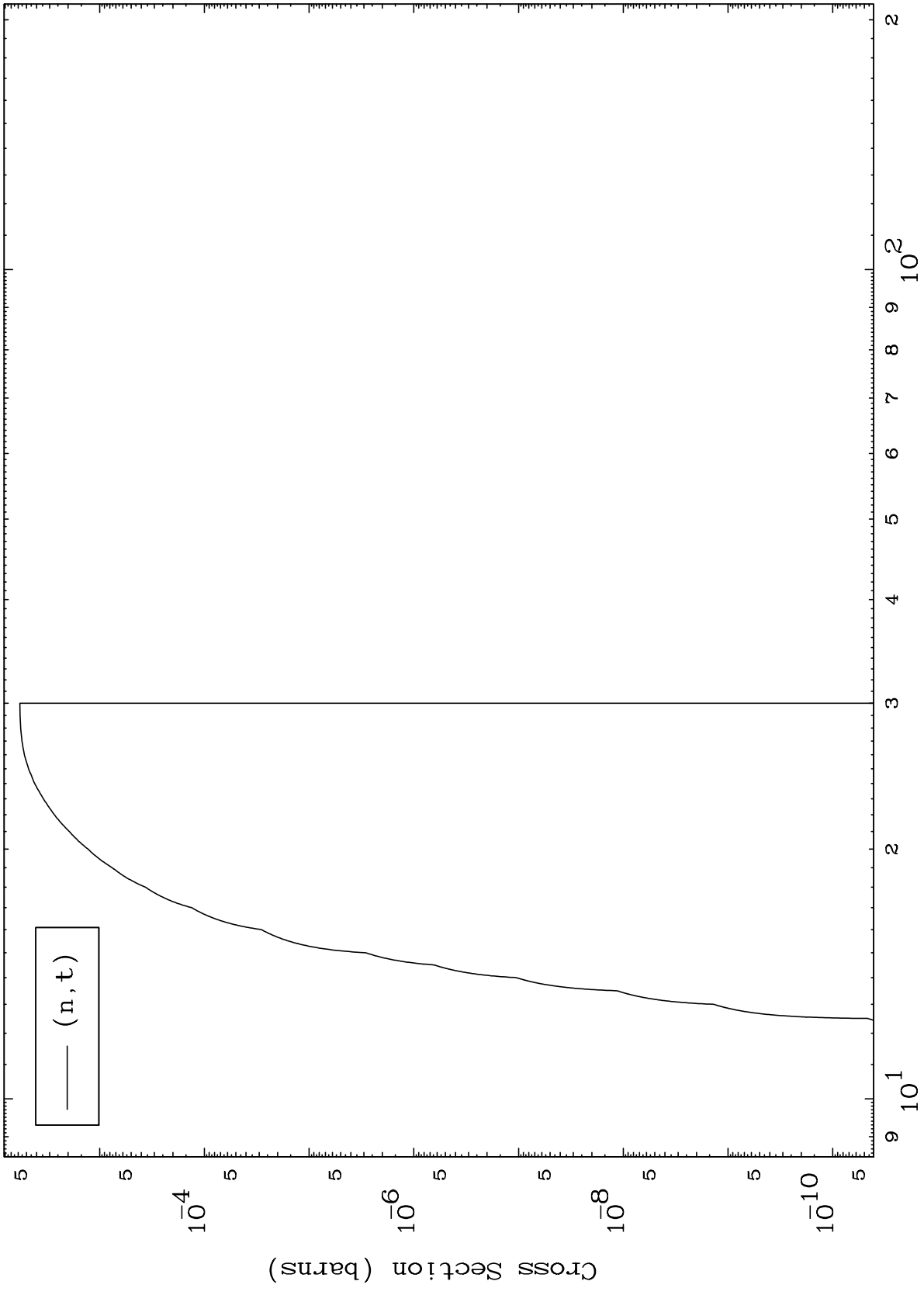
Incident Energy (MeV)

54-Xe-128

MAT 5437

(n,t) Levels  
293 Kelvin Cross Sections

54-Xe-128



12

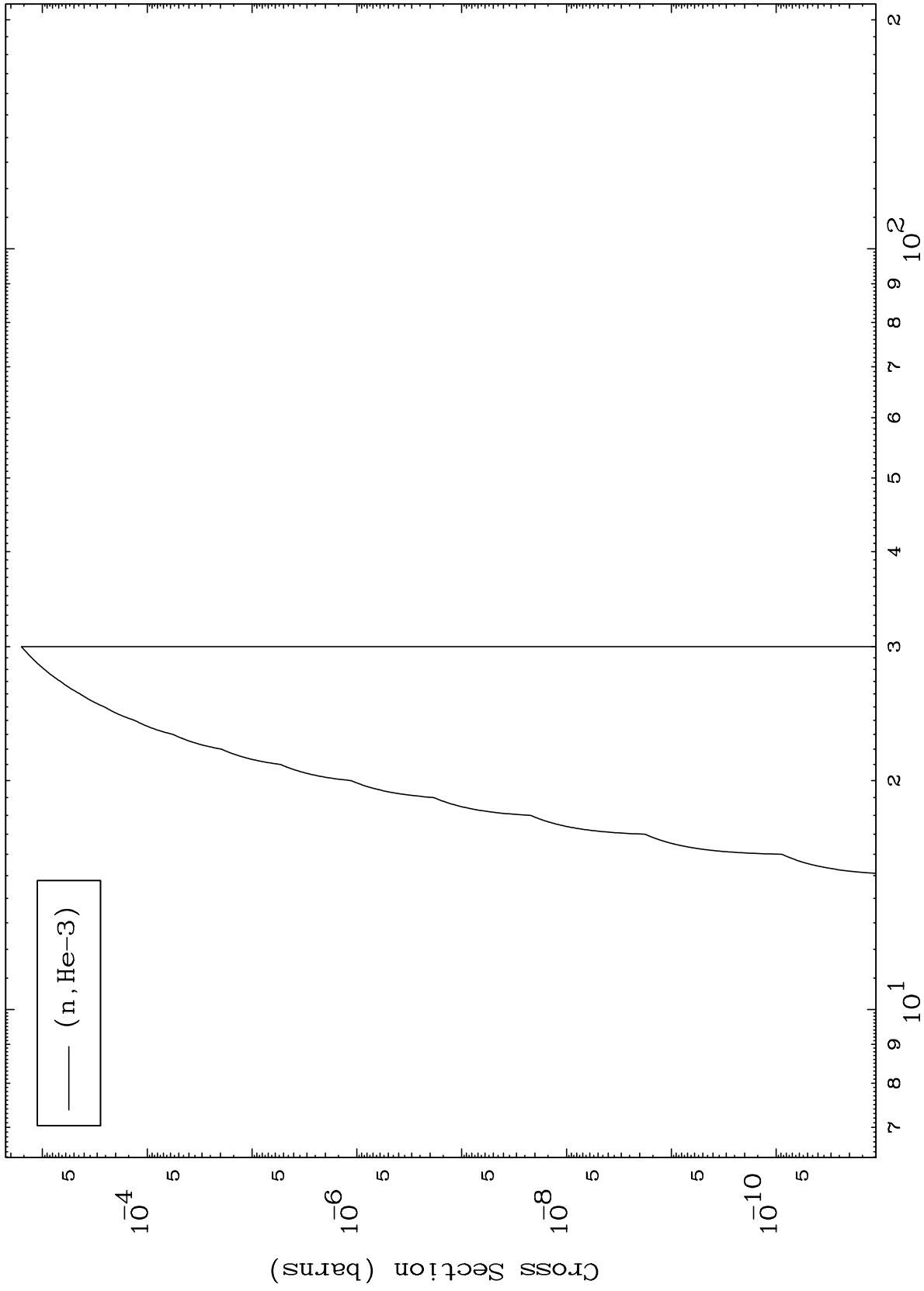
Incident Energy (MeV)

54-Xe-128

MAT 5437

(n,He3) Levels  
293 Kelvin Cross Sections

54-Xe-128



13

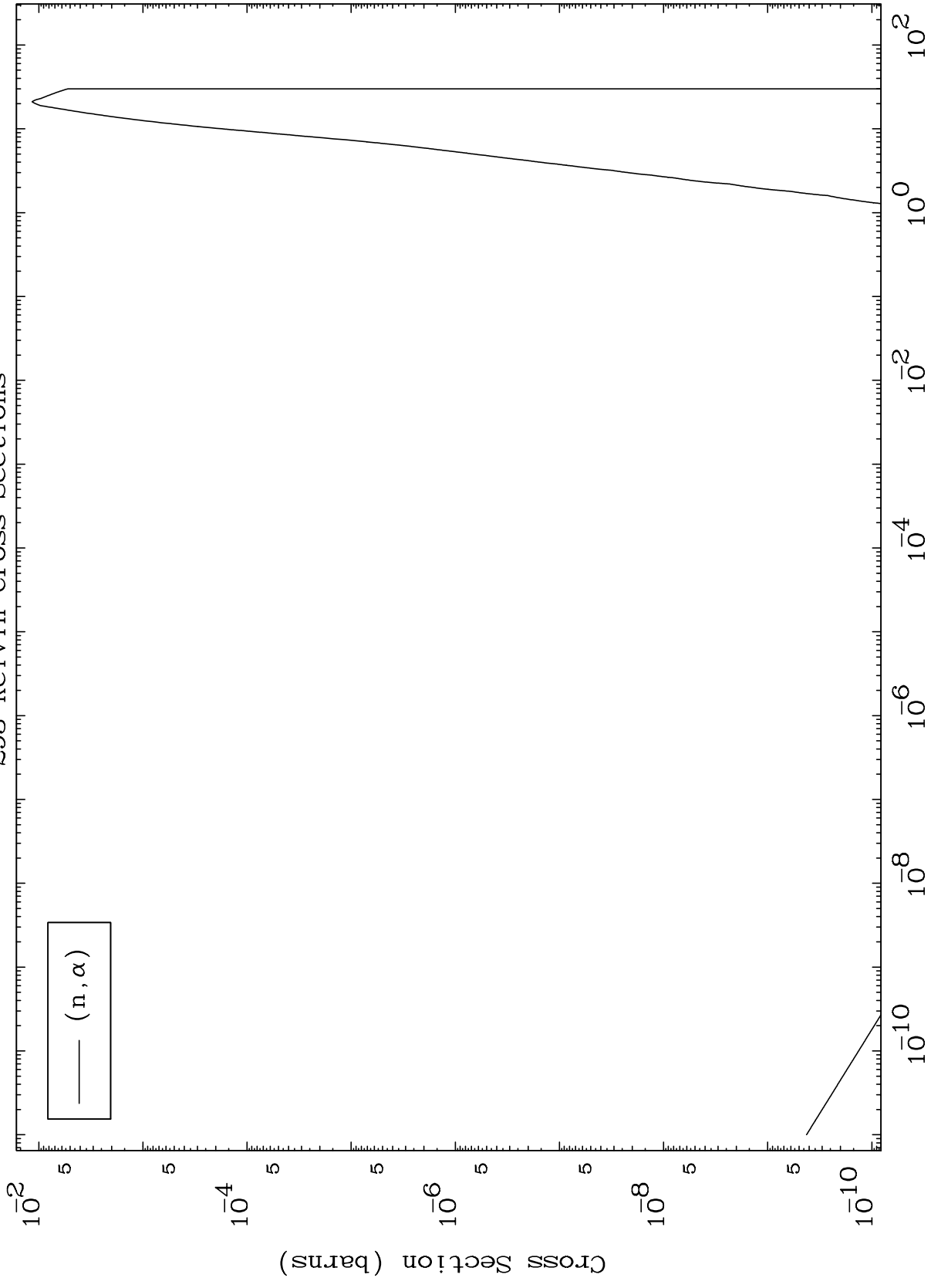
Incident Energy (MeV)

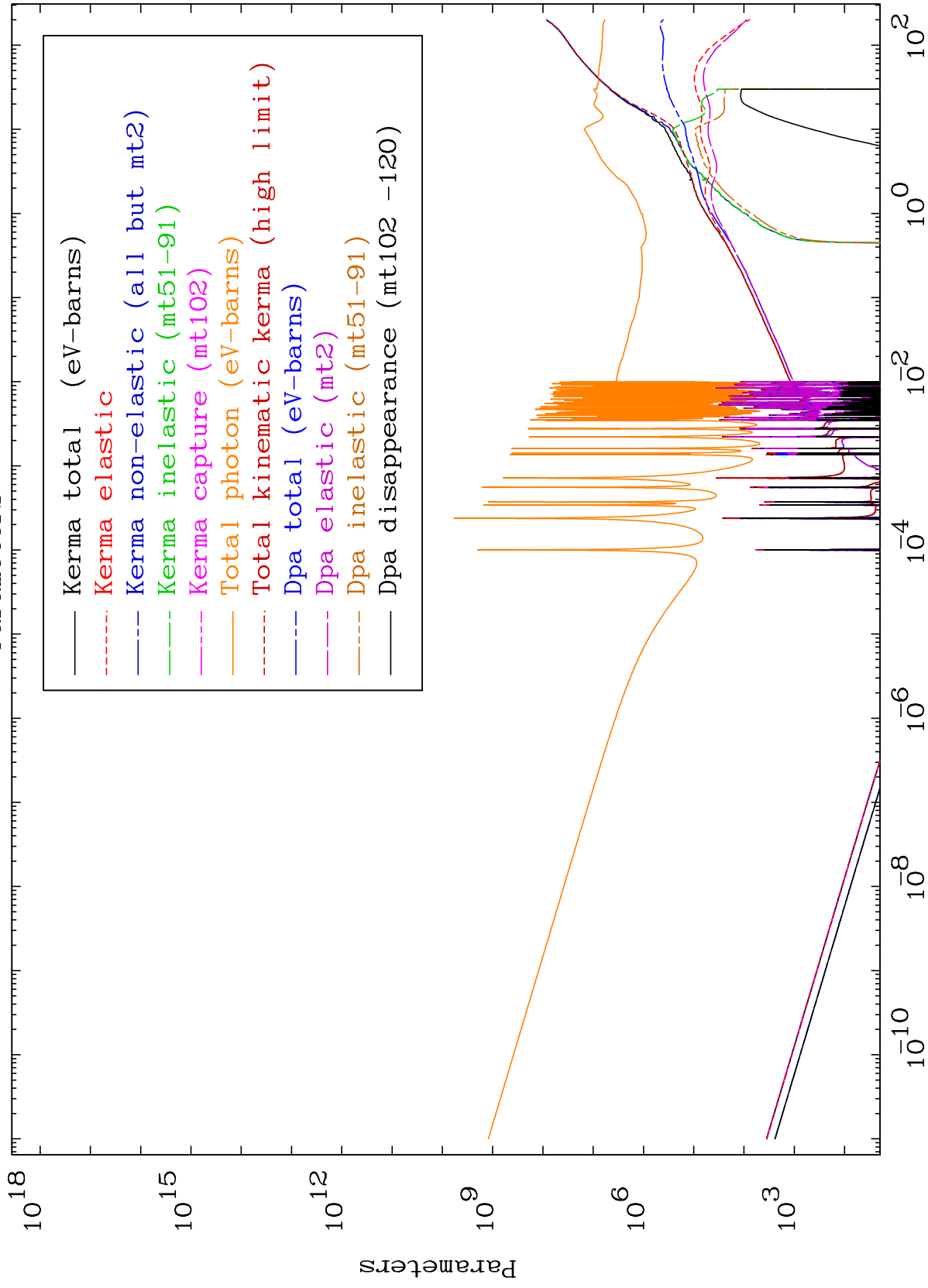
54-Xe-128

MAT 5437

(n,α) Levels  
293 Kelvin Cross Sections

54-Xe-128



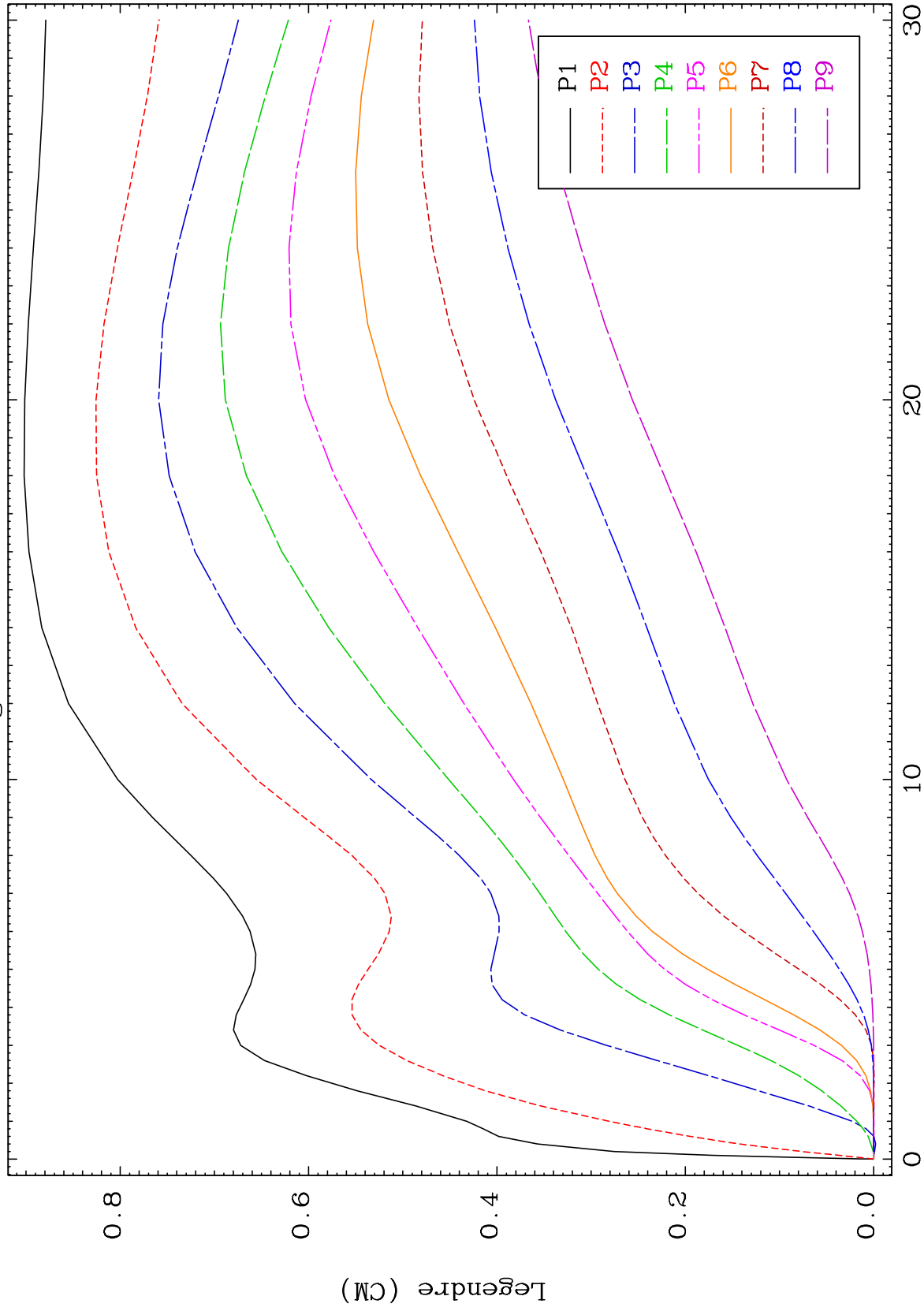




MAT 5437

Elastic Legendre Coefficients

54-Xe-128



16

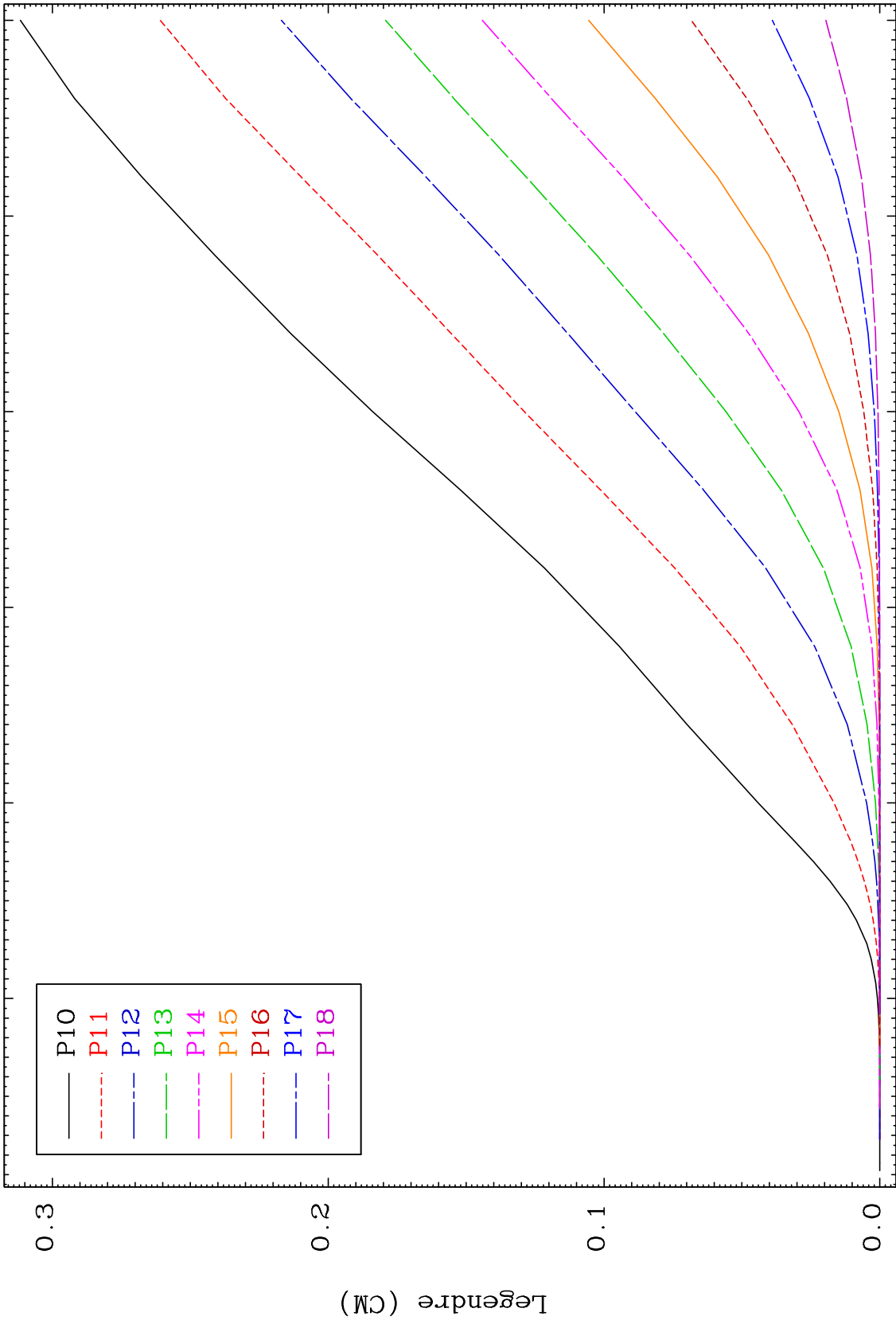
Incident Energy (MeV)

54-Xe-128

MAT 5437

Elastic Legendre Coefficients

54-Xe-128



17

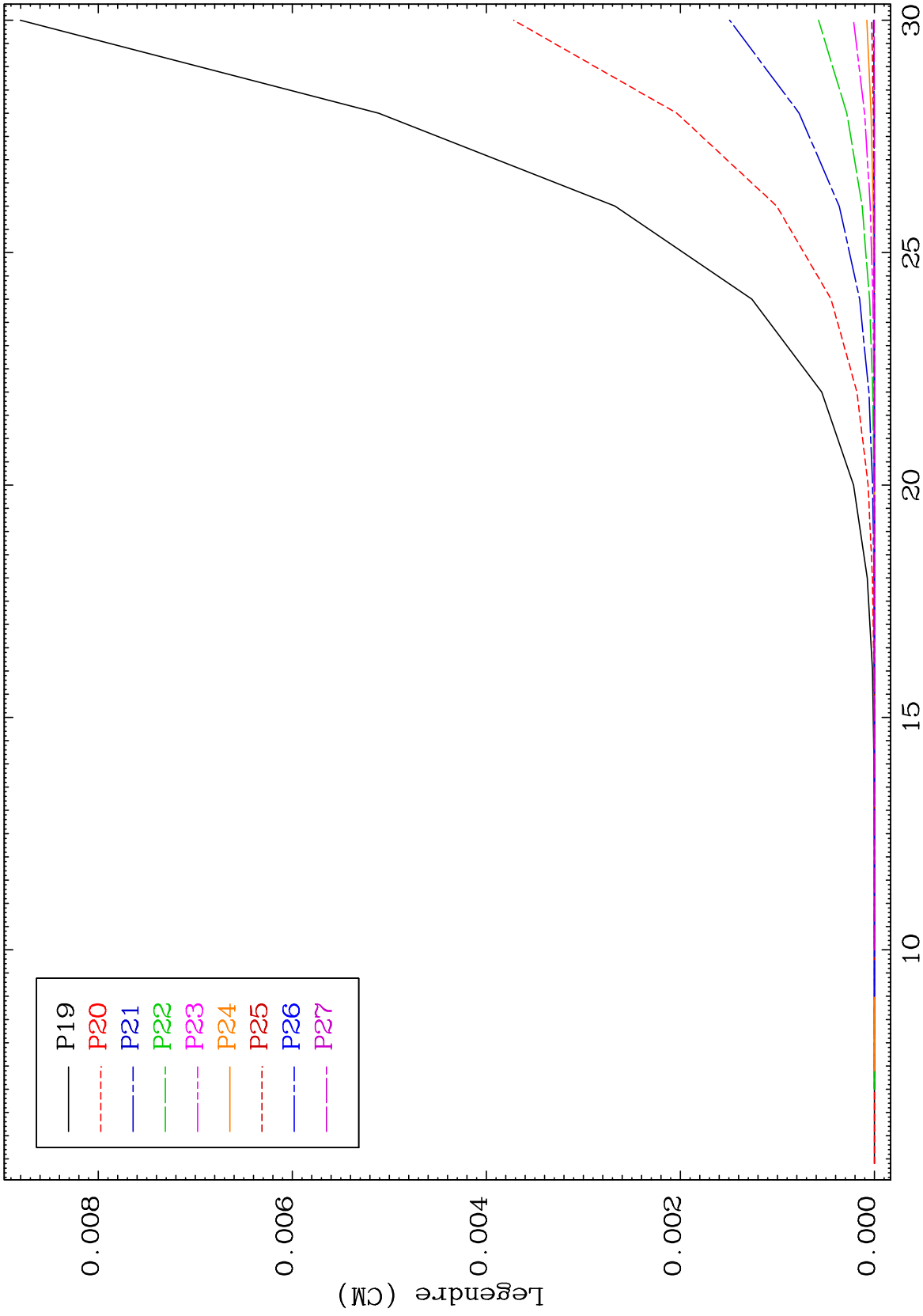
Incident Energy (MeV)

54-Xe-128

MAT 5437

### Elastic Legendre Coefficients

54-Xe-128



18

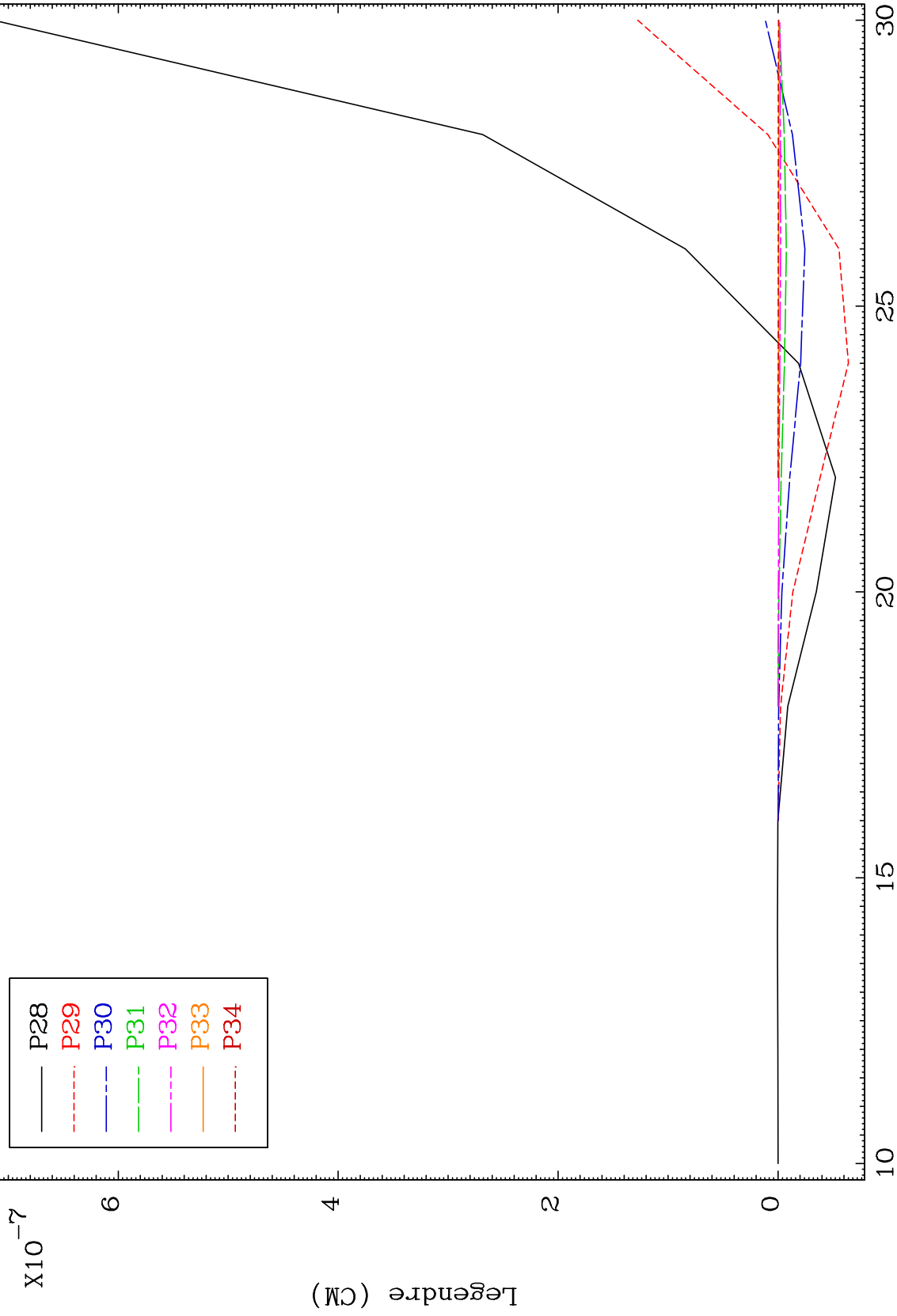
Incident Energy (MeV)

54-Xe-128

MAT 5437

Elastic Legendre Coefficients

54-Xe-128



19

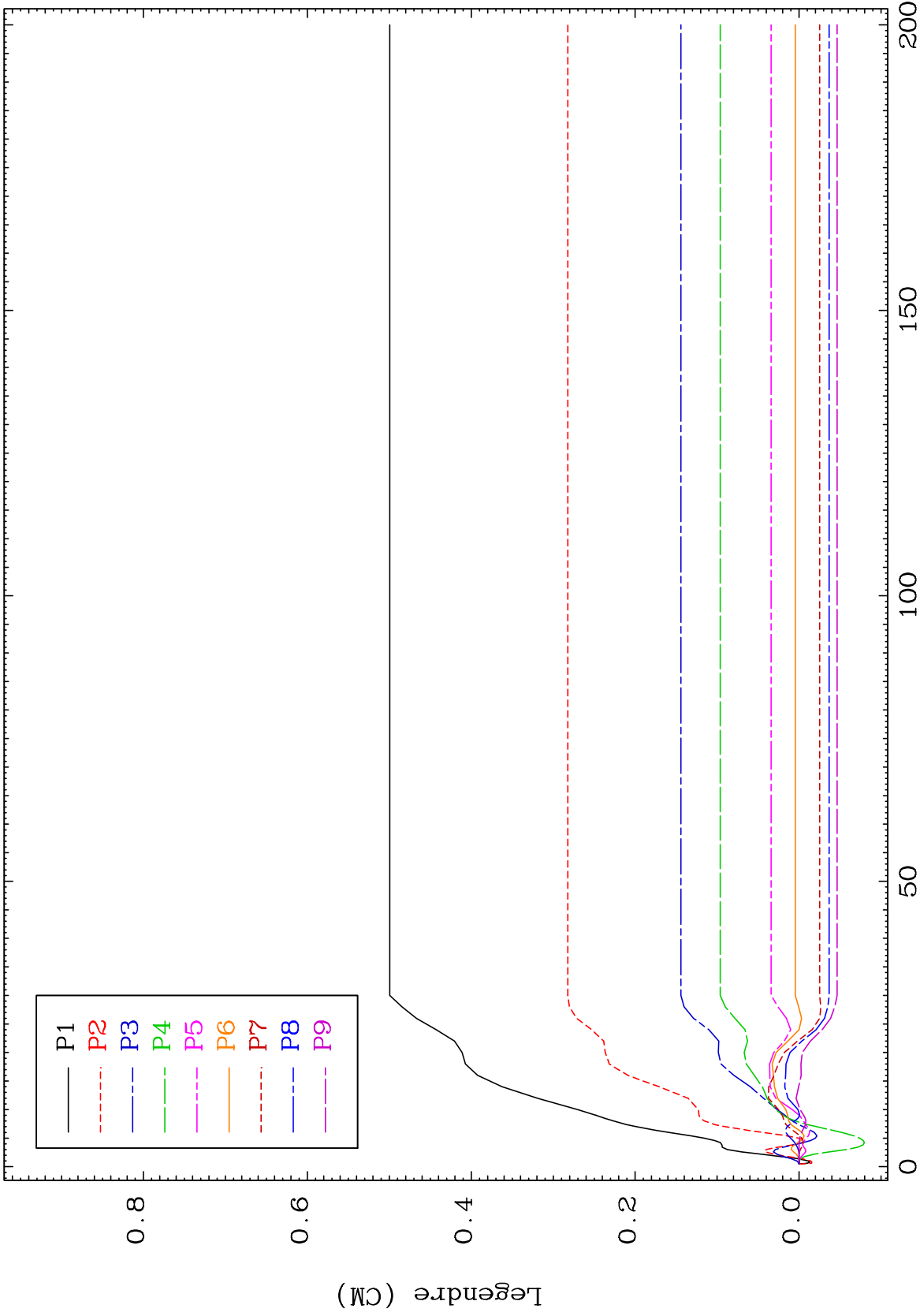
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



20

Incident Energy (MeV)

50

54-Xe-128

100

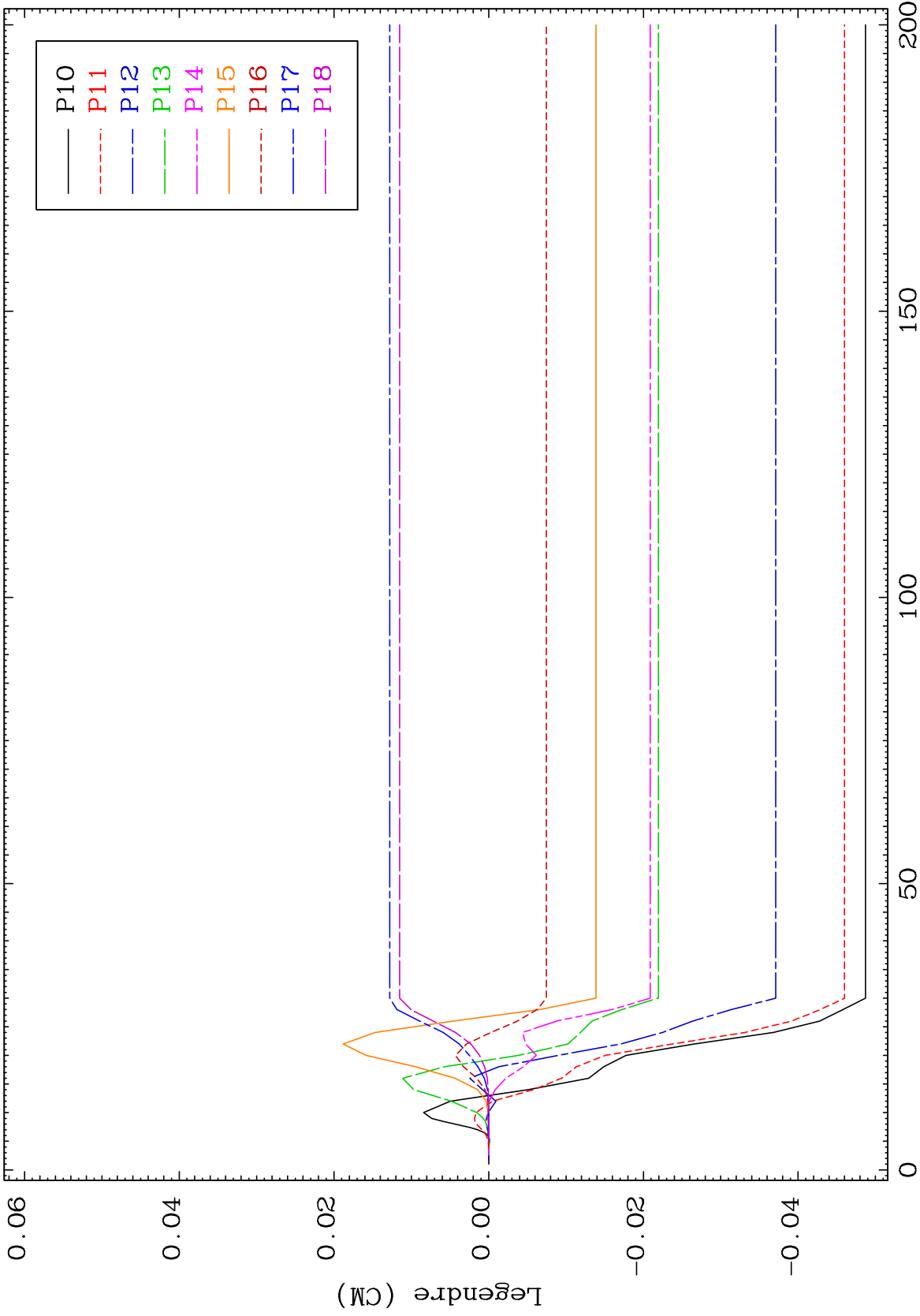
150

200

MAT 5437

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

54-Xe-128



21

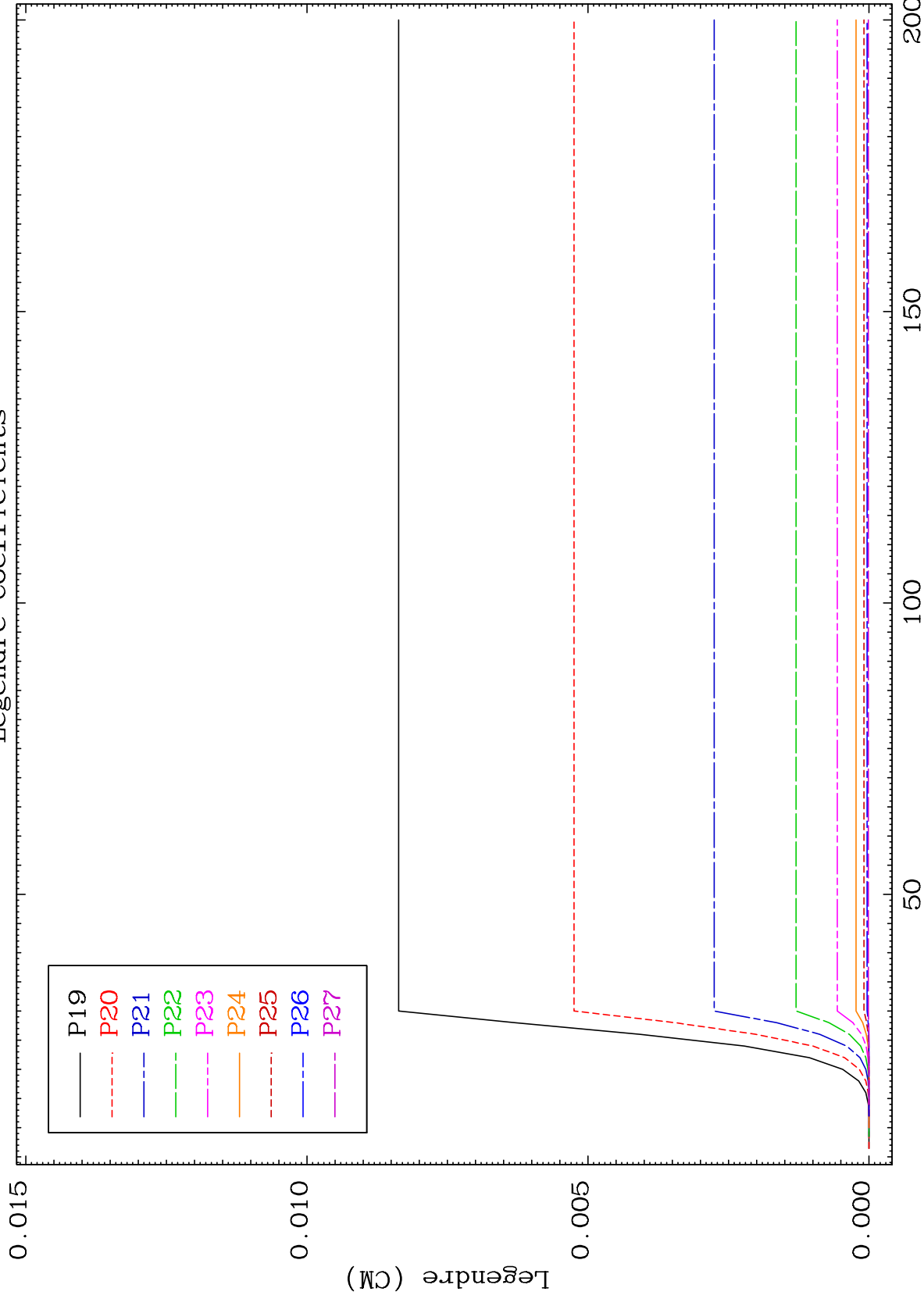
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



22

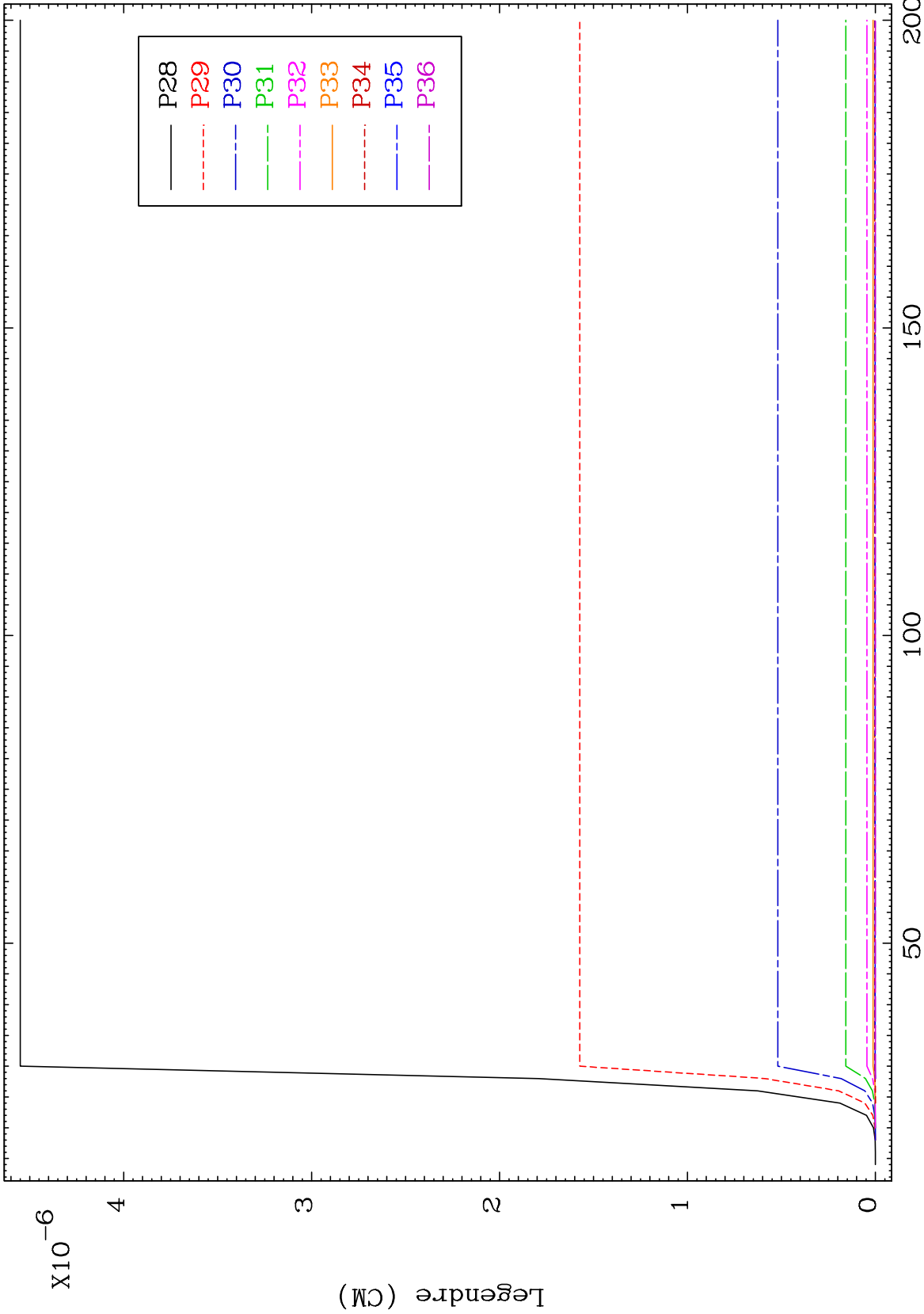
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



23

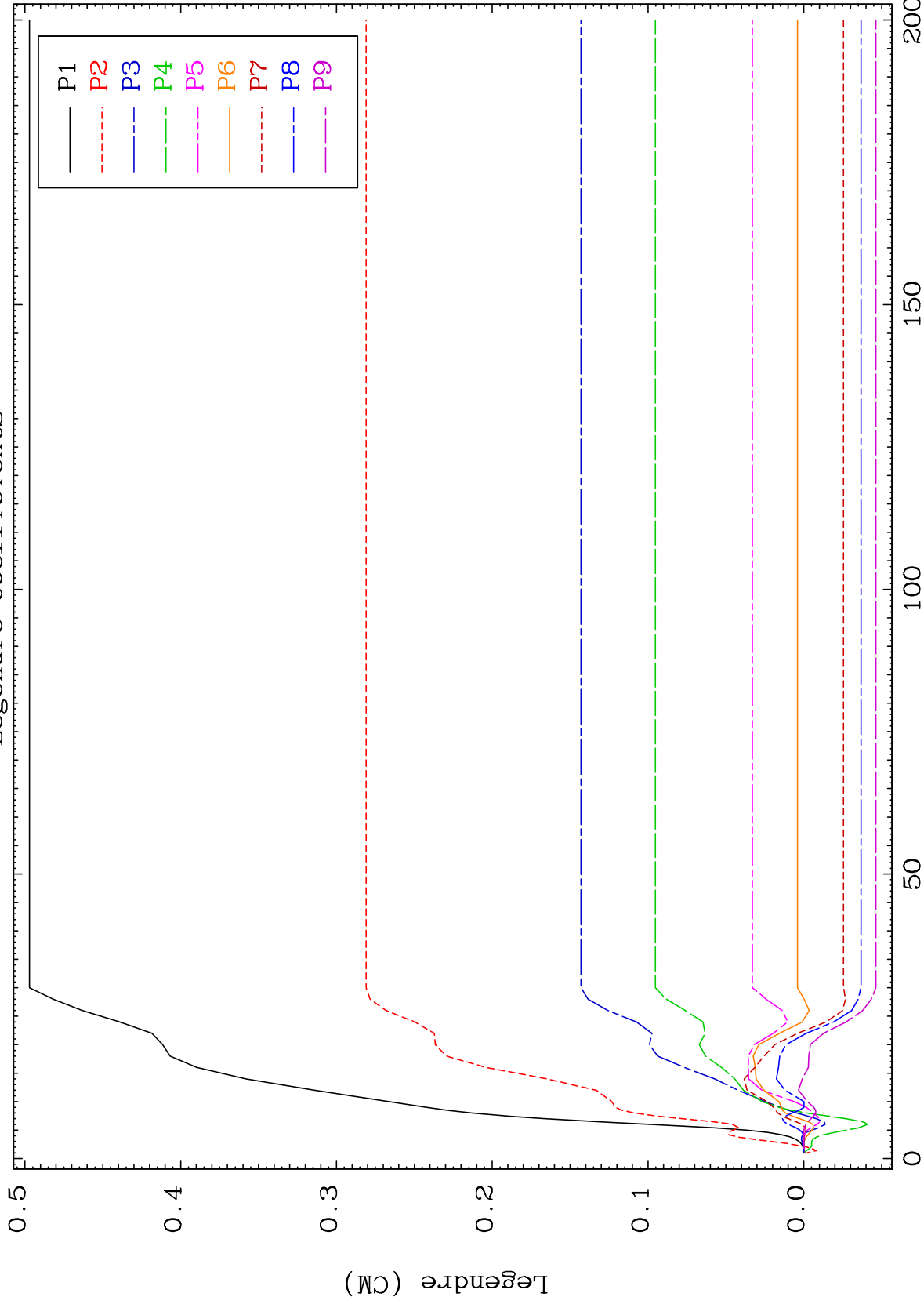
54-Xe-128



MAT 5437

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

54-Xe-128



24

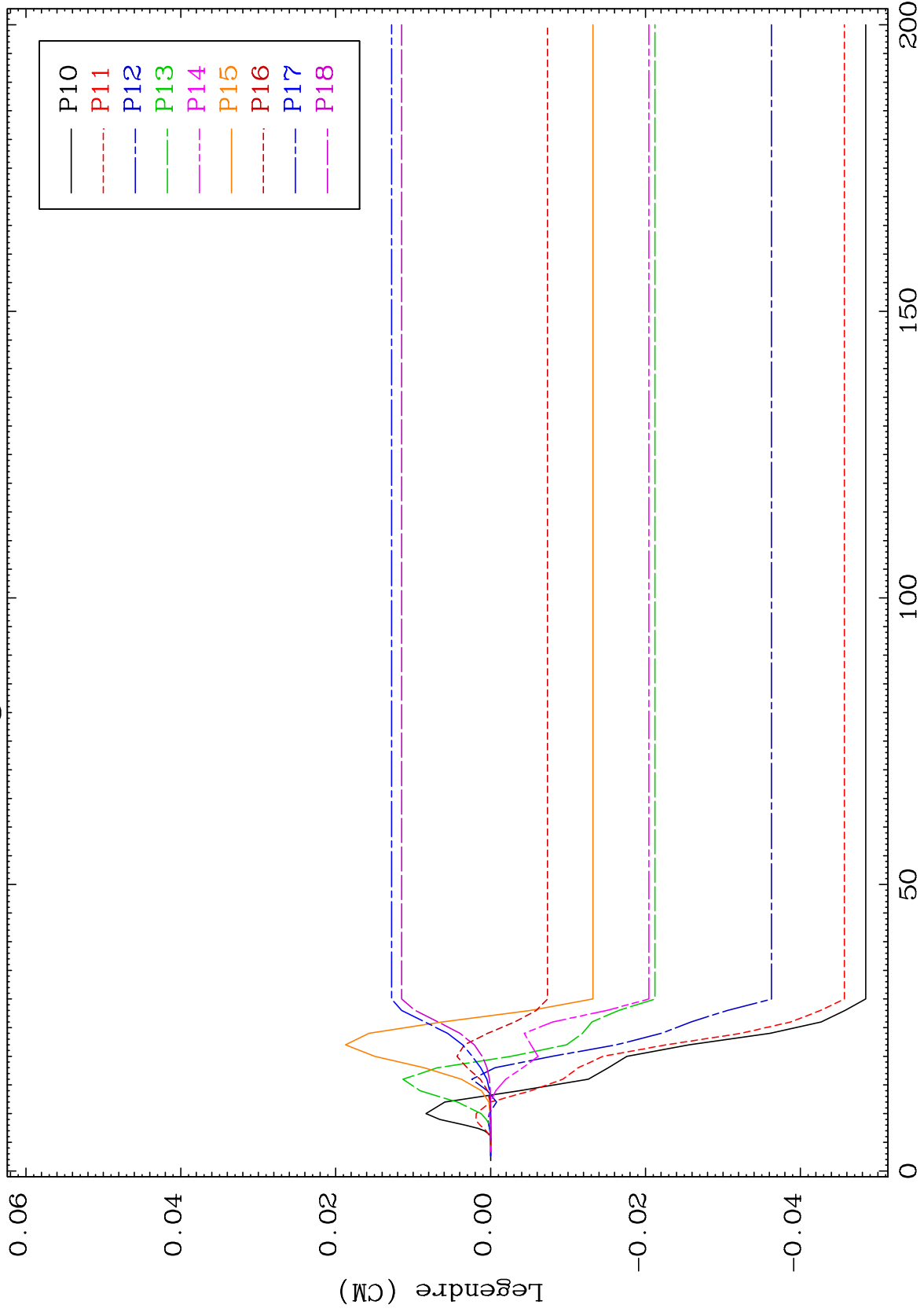
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



25

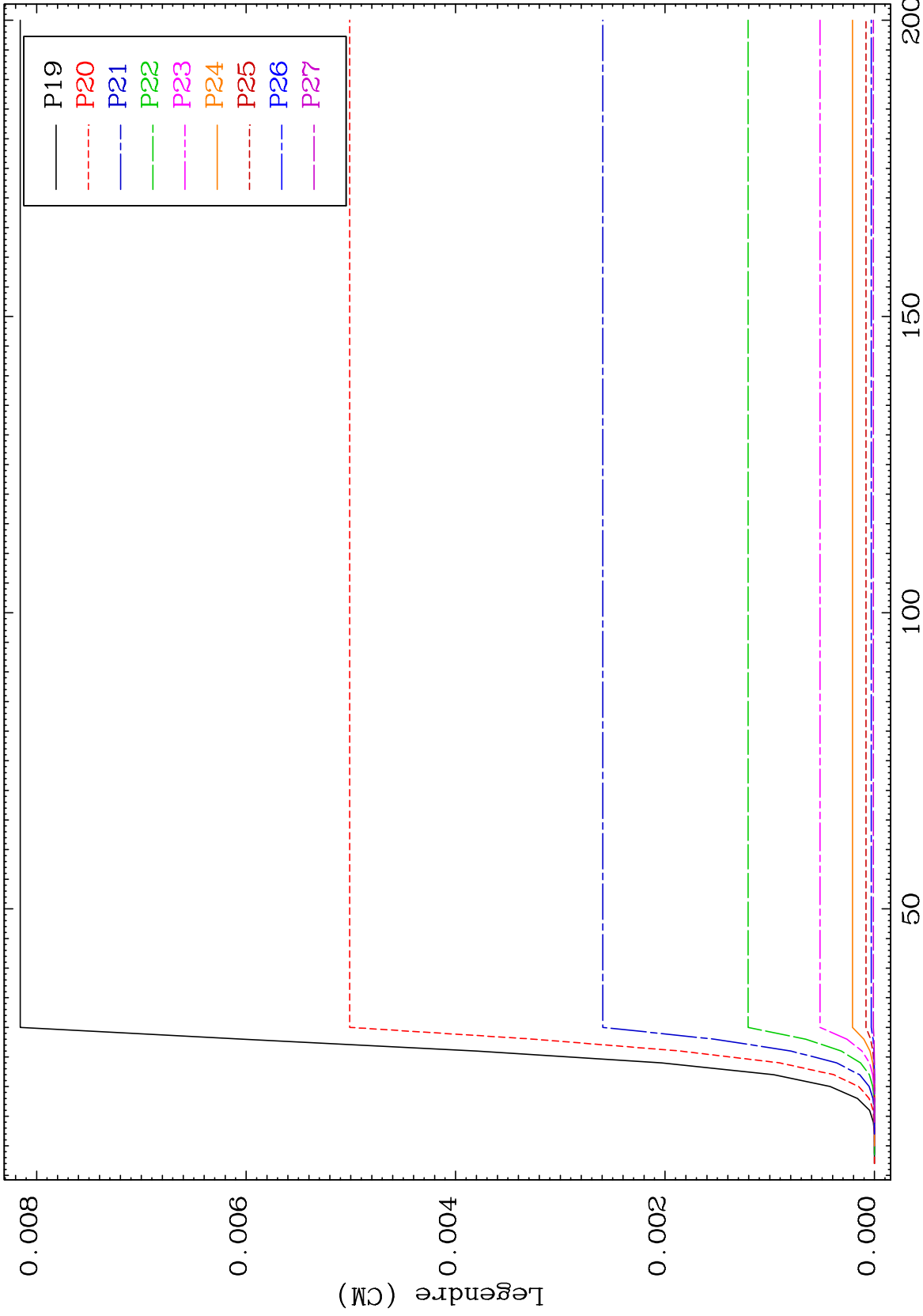
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



26

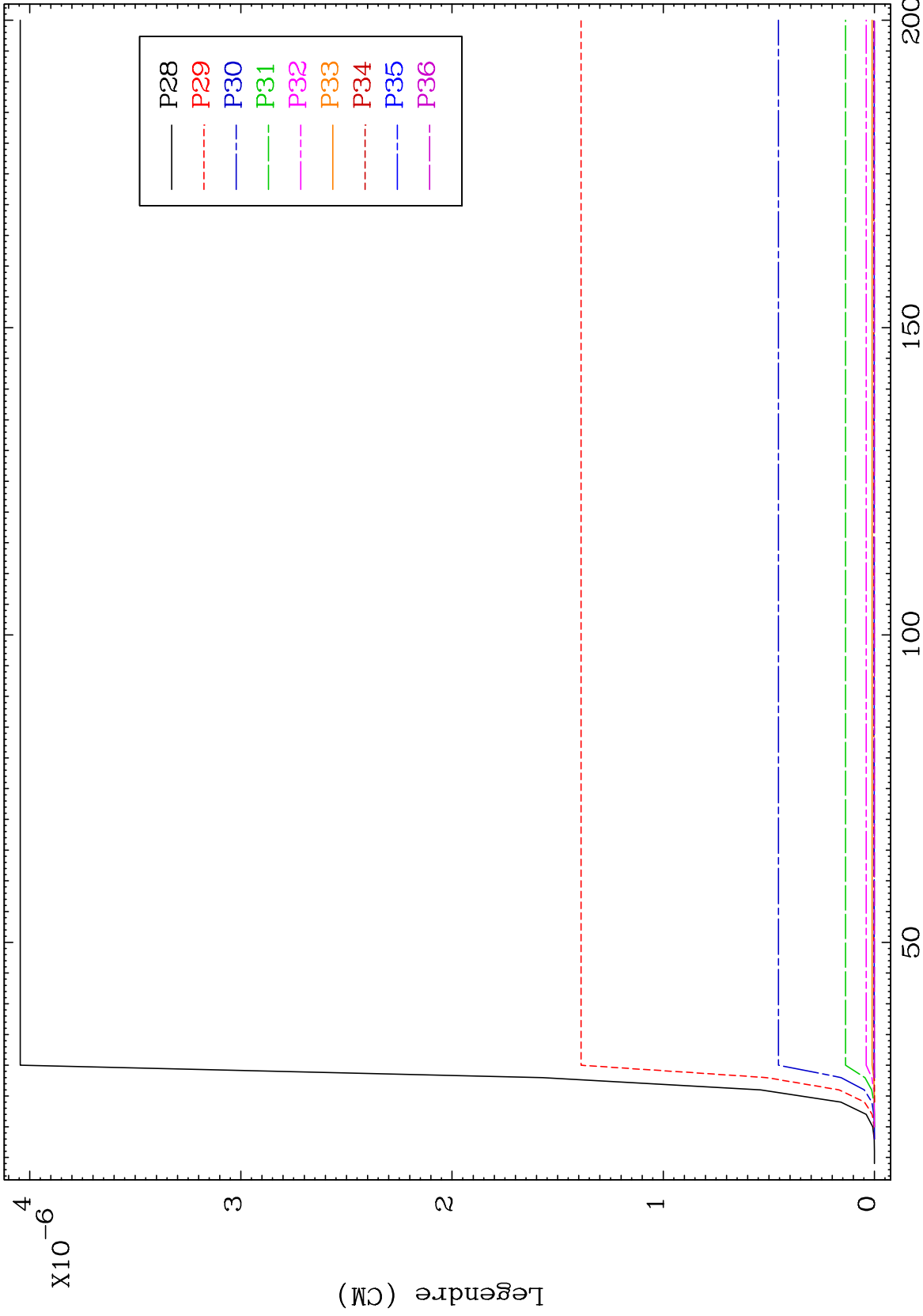
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



27

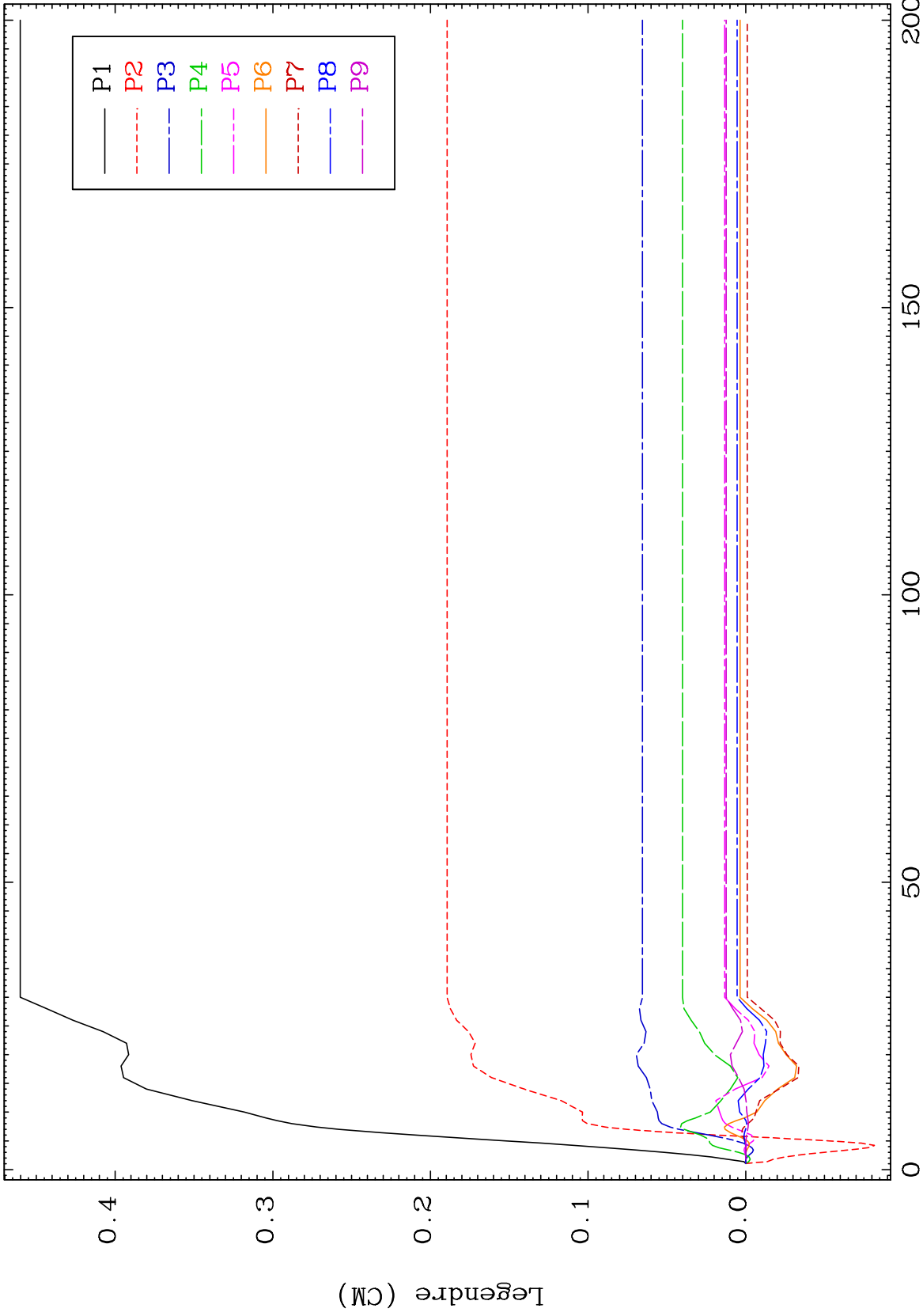
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



28

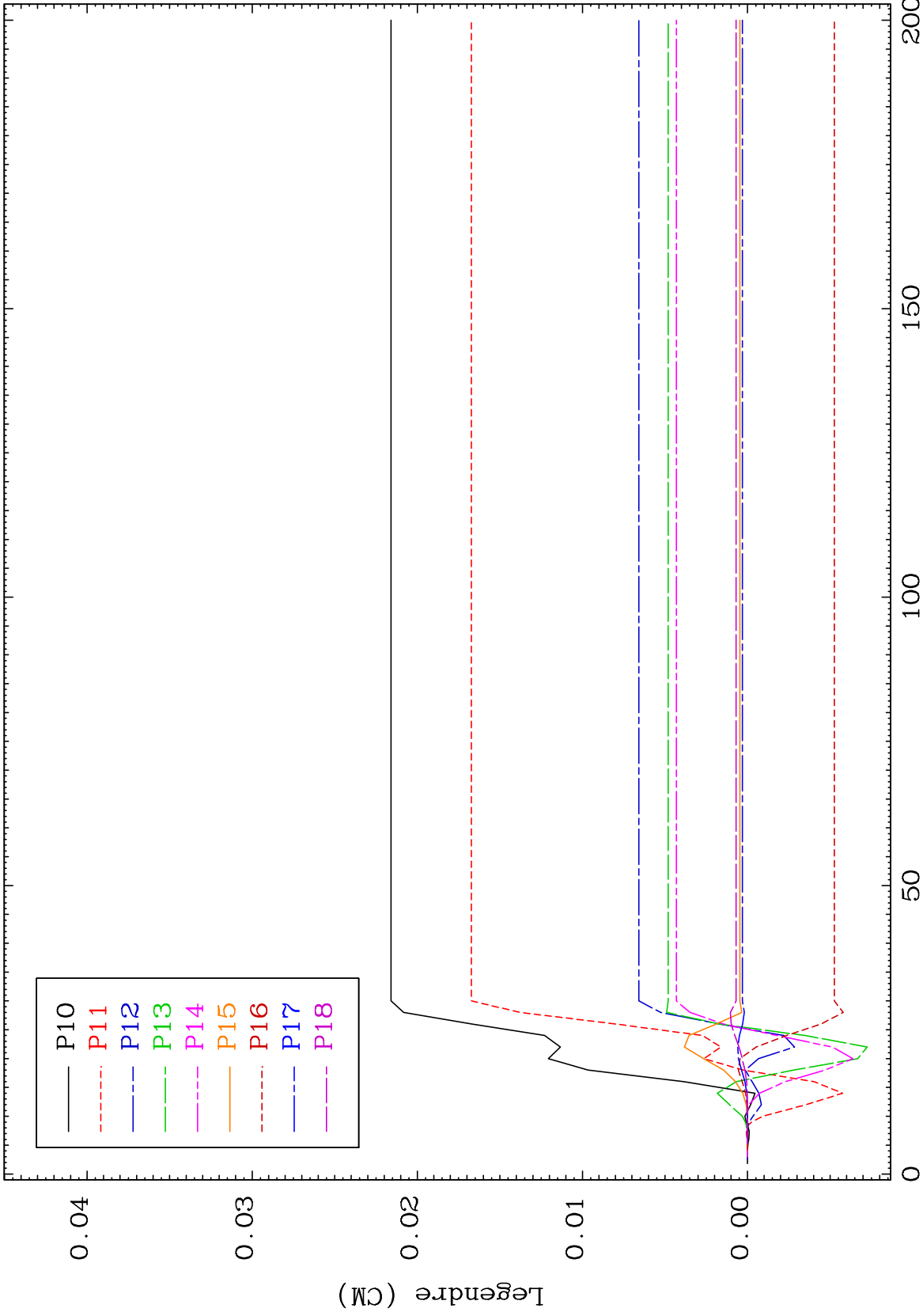
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



29

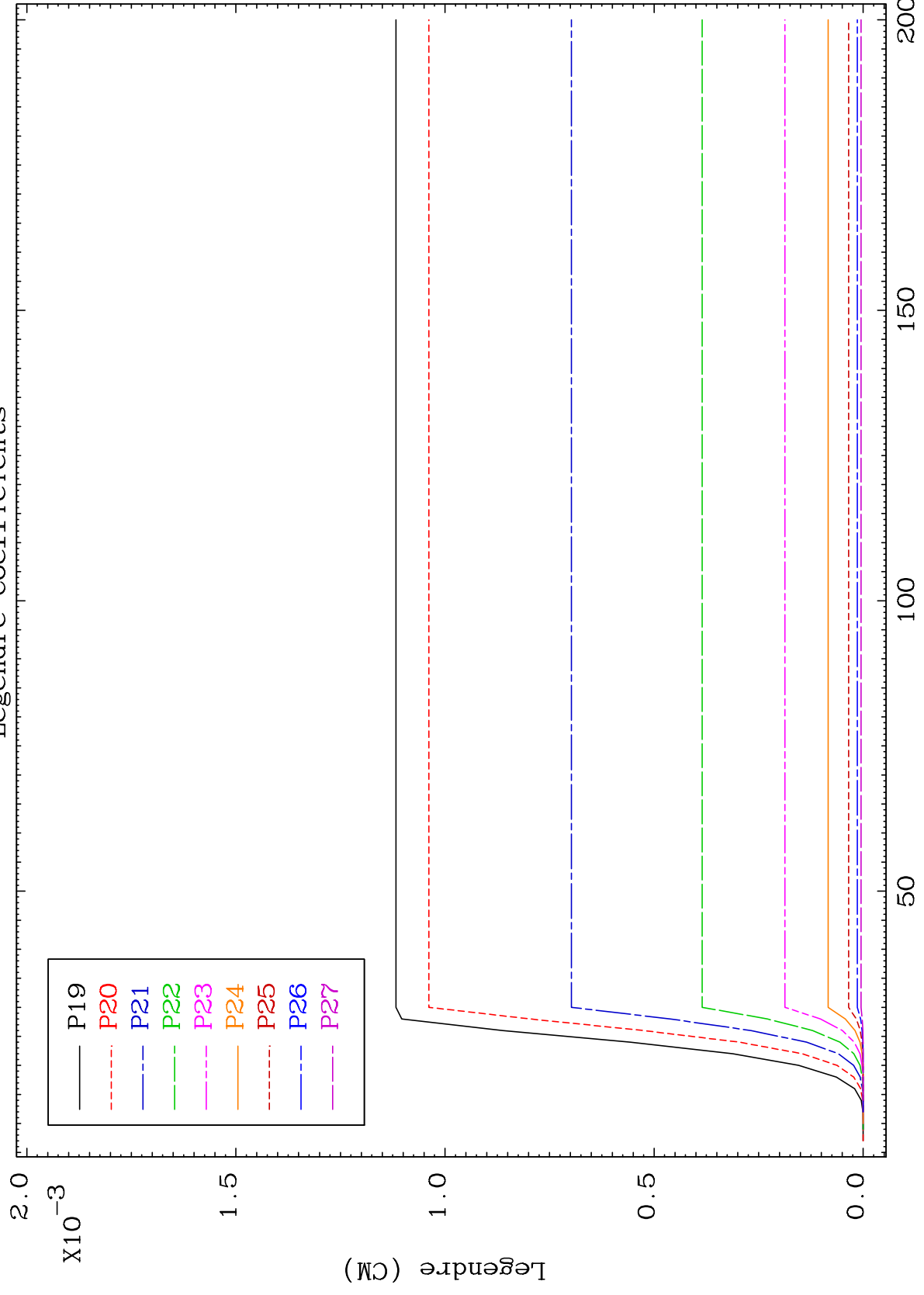
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



30

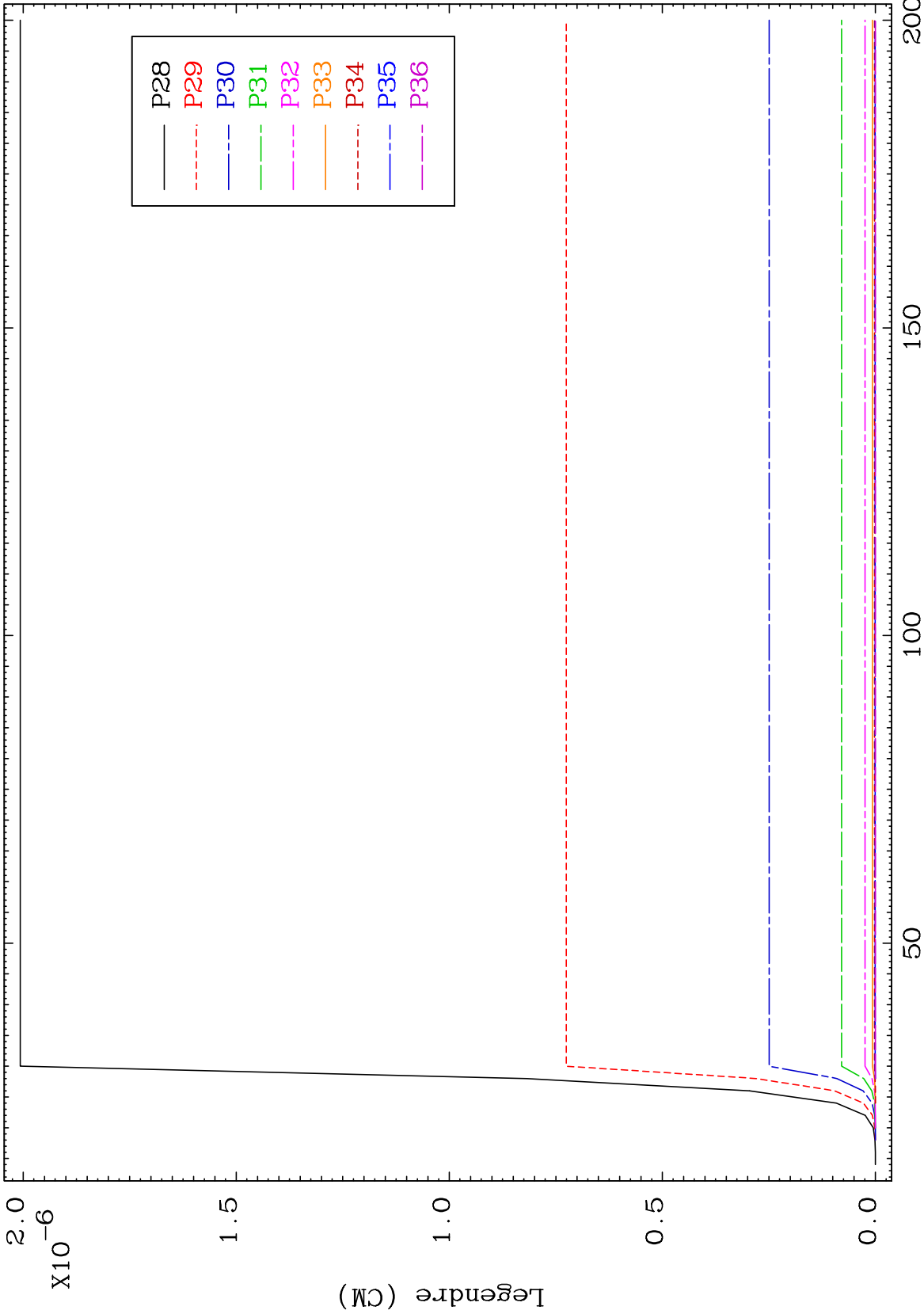
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



31

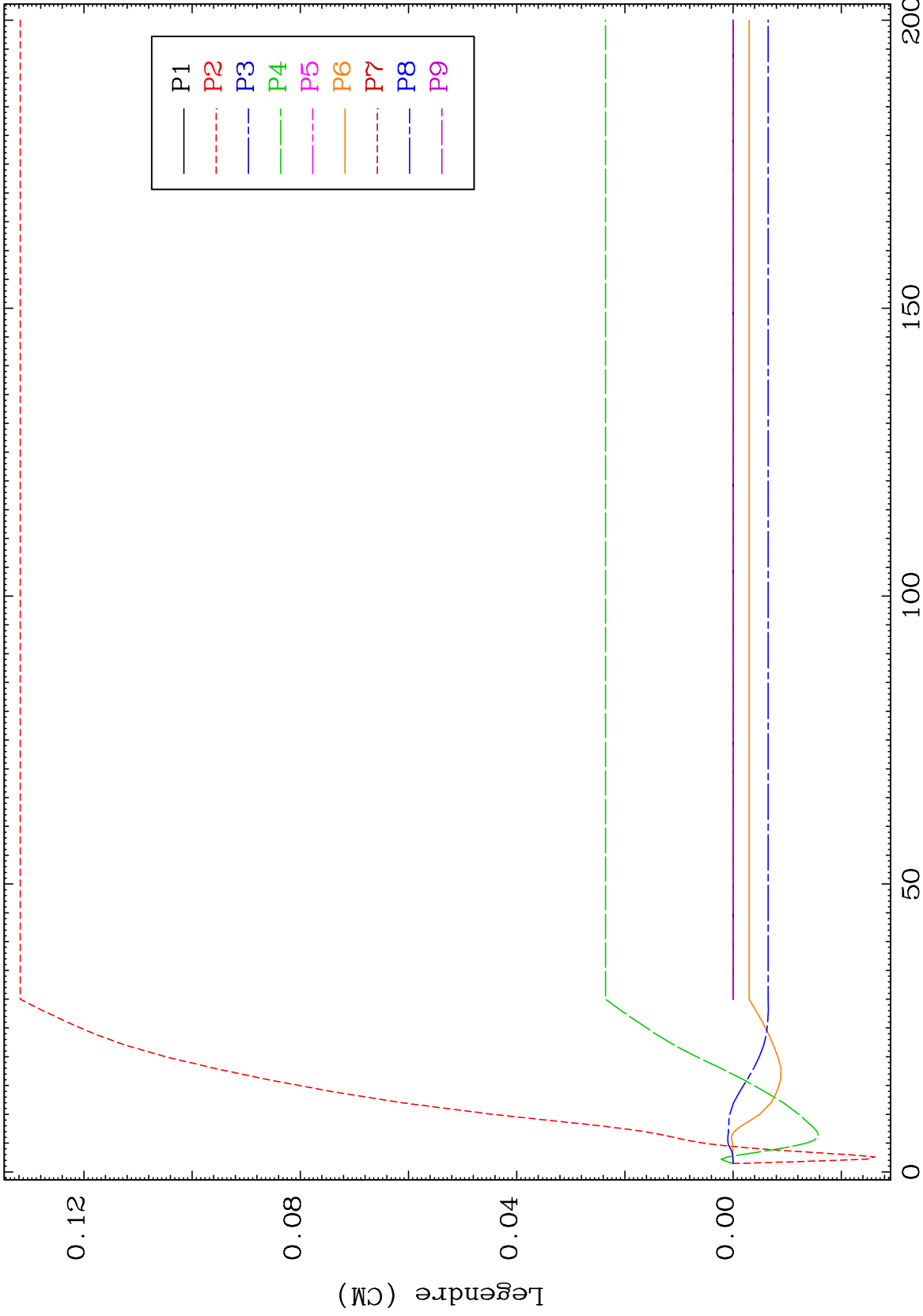
54-Xe-128



MAT 5437

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

54-Xe-128



32

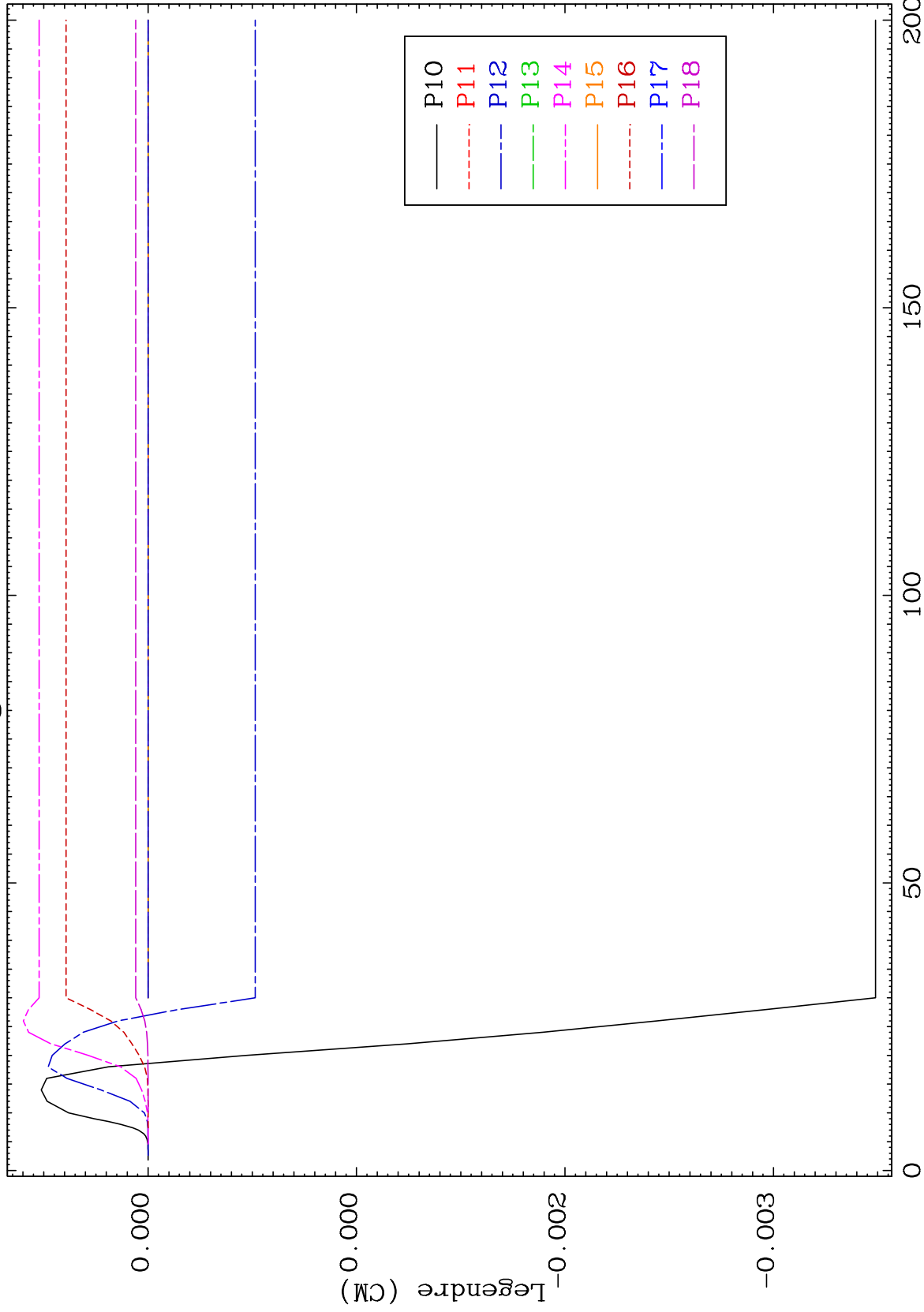
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



33

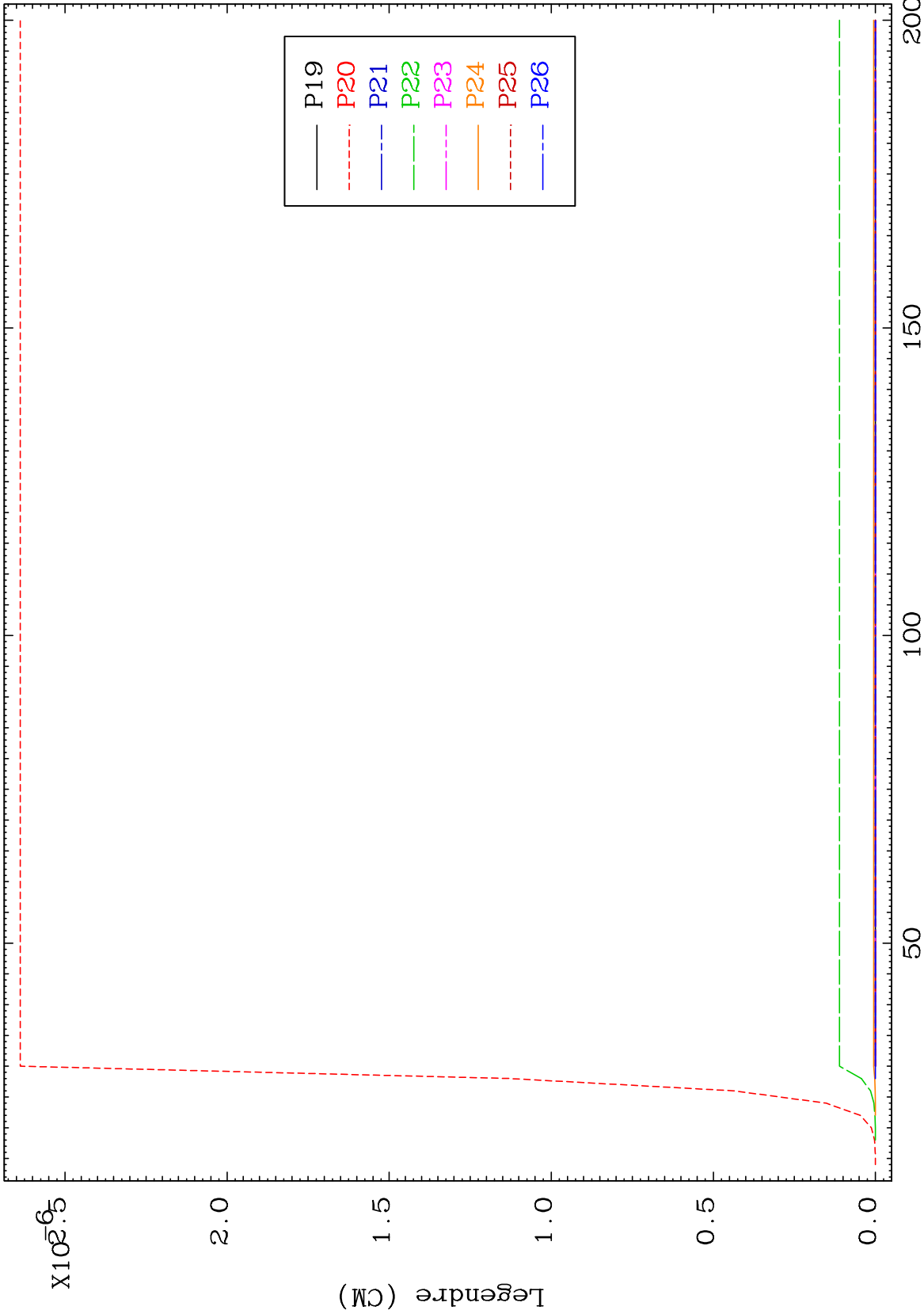
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



34

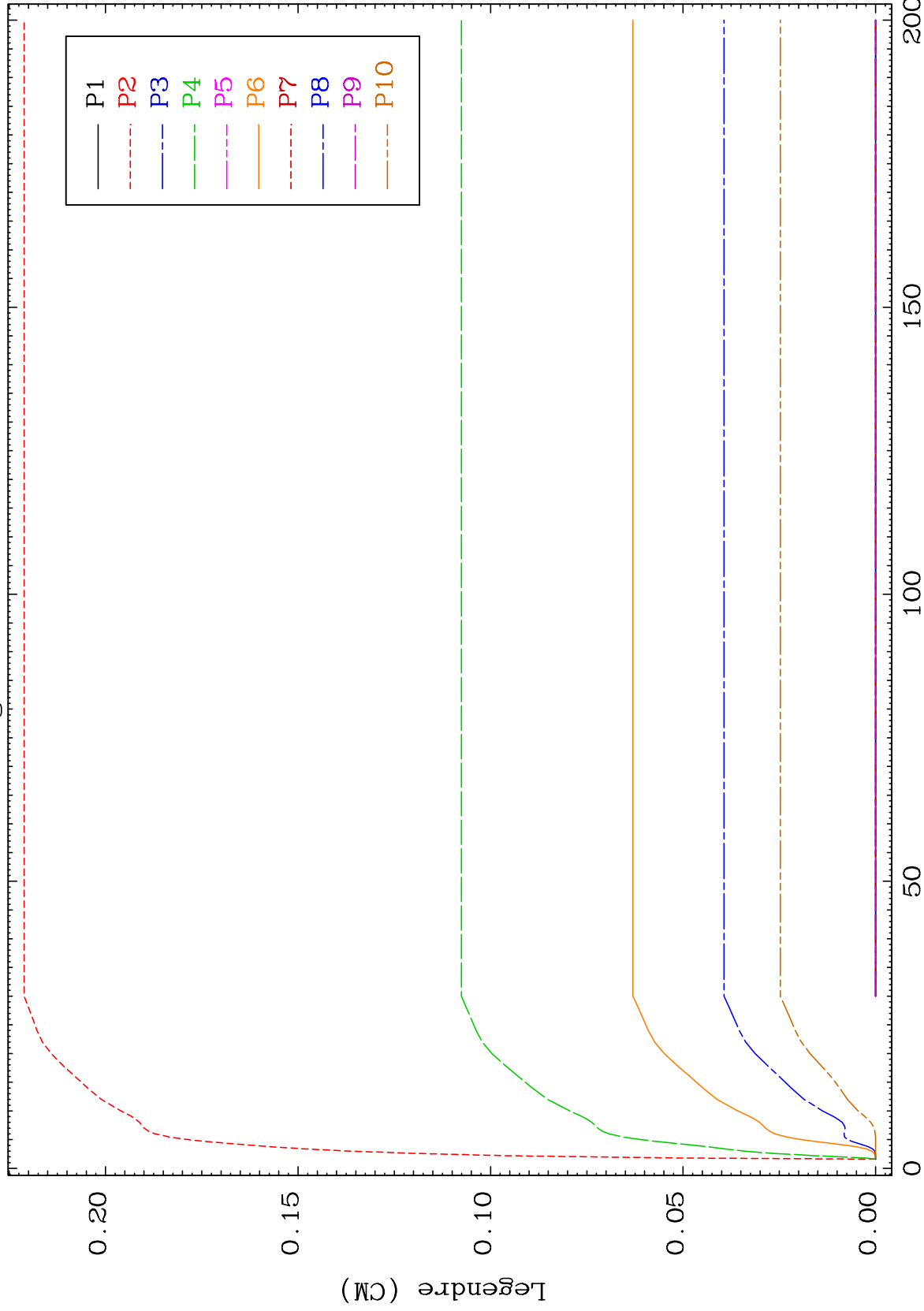
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



35

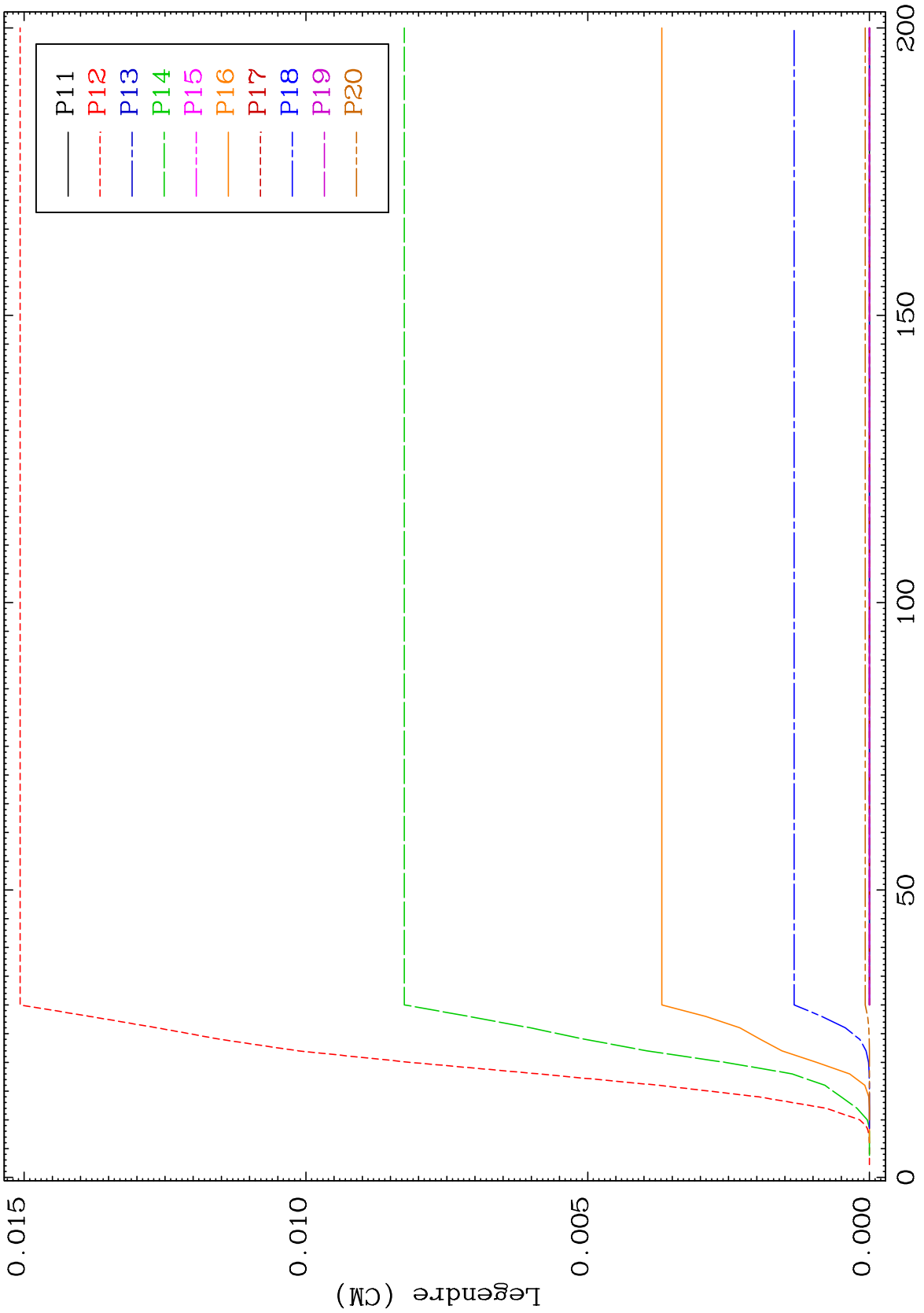
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



36

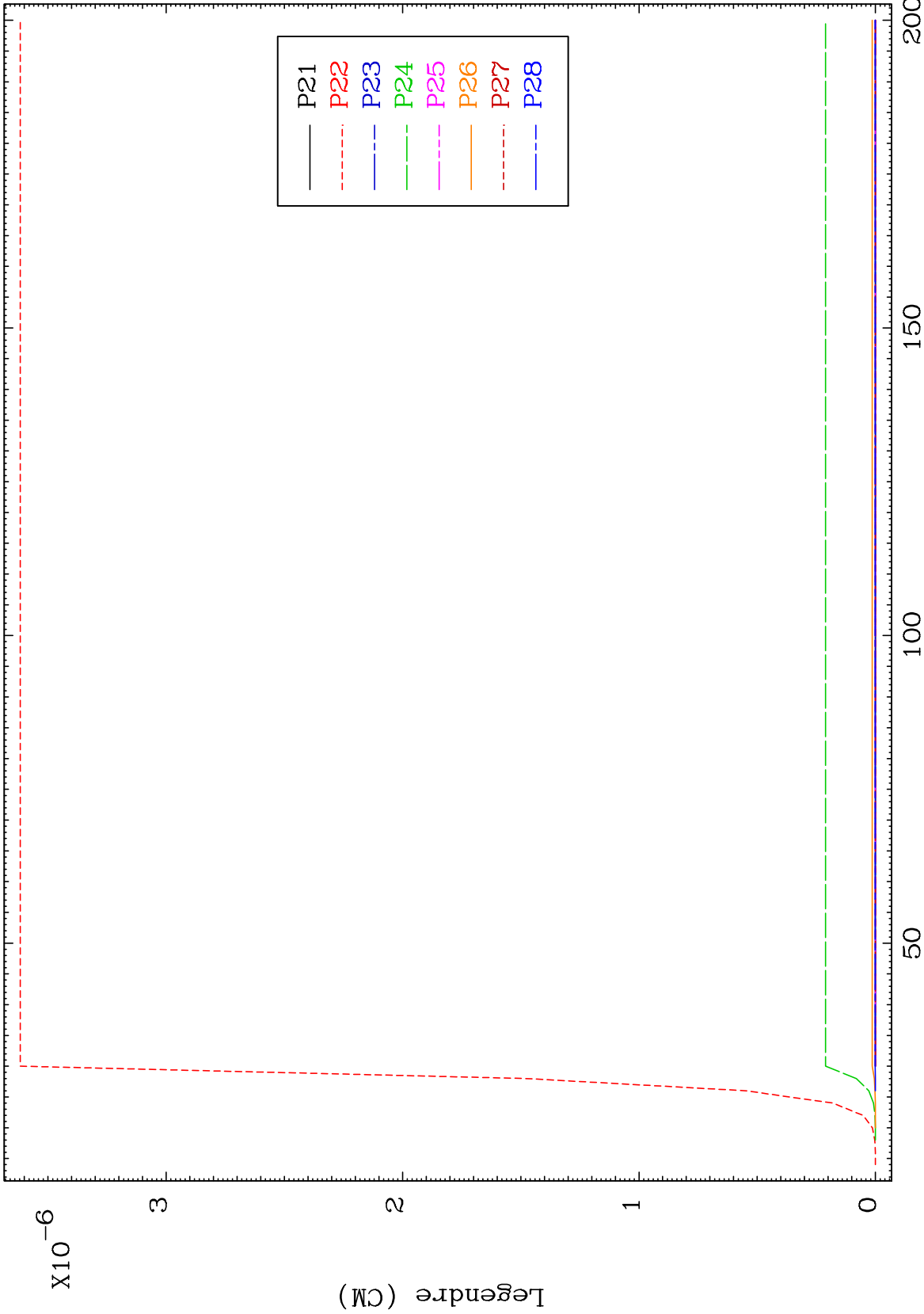
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



37

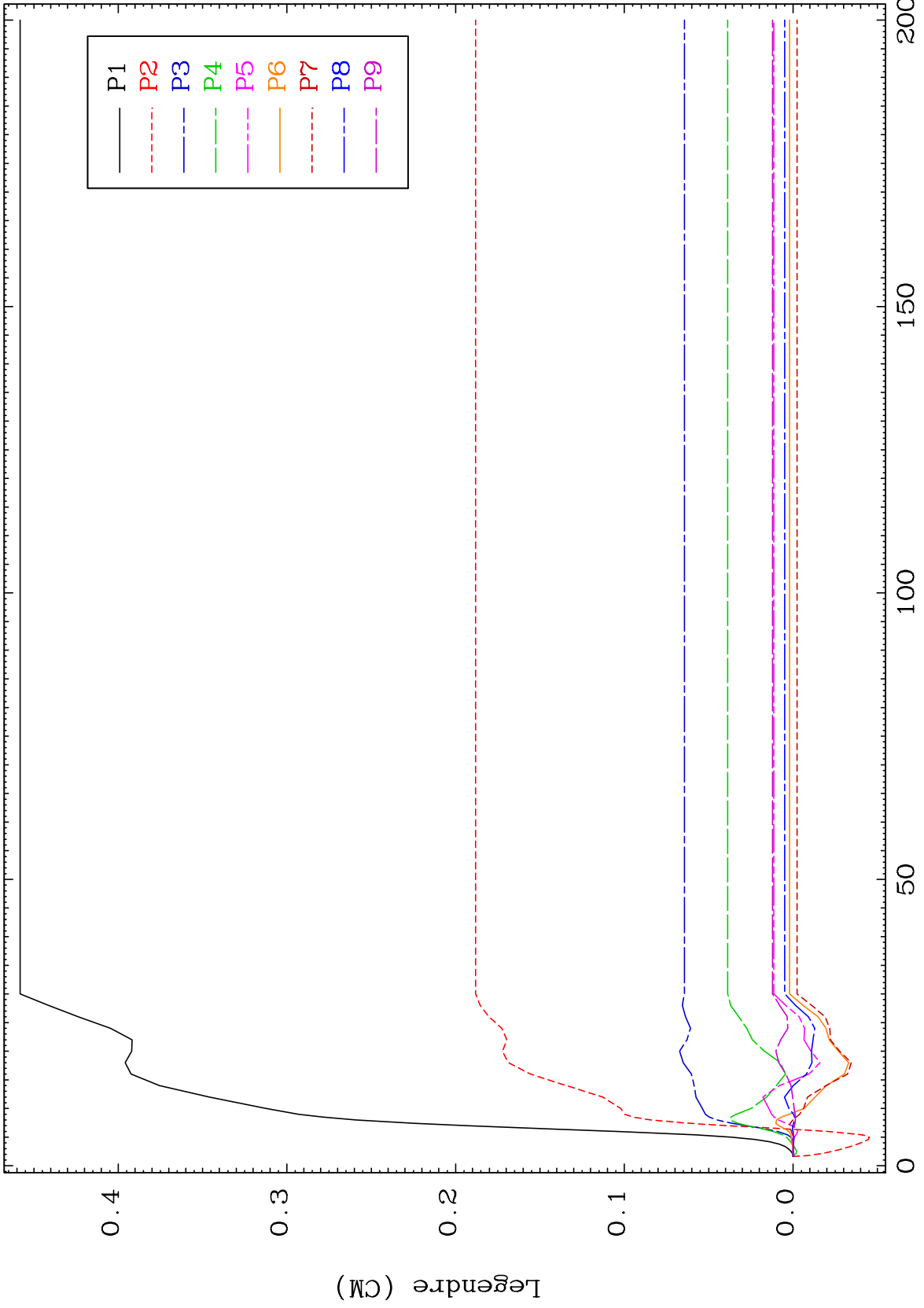
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



38

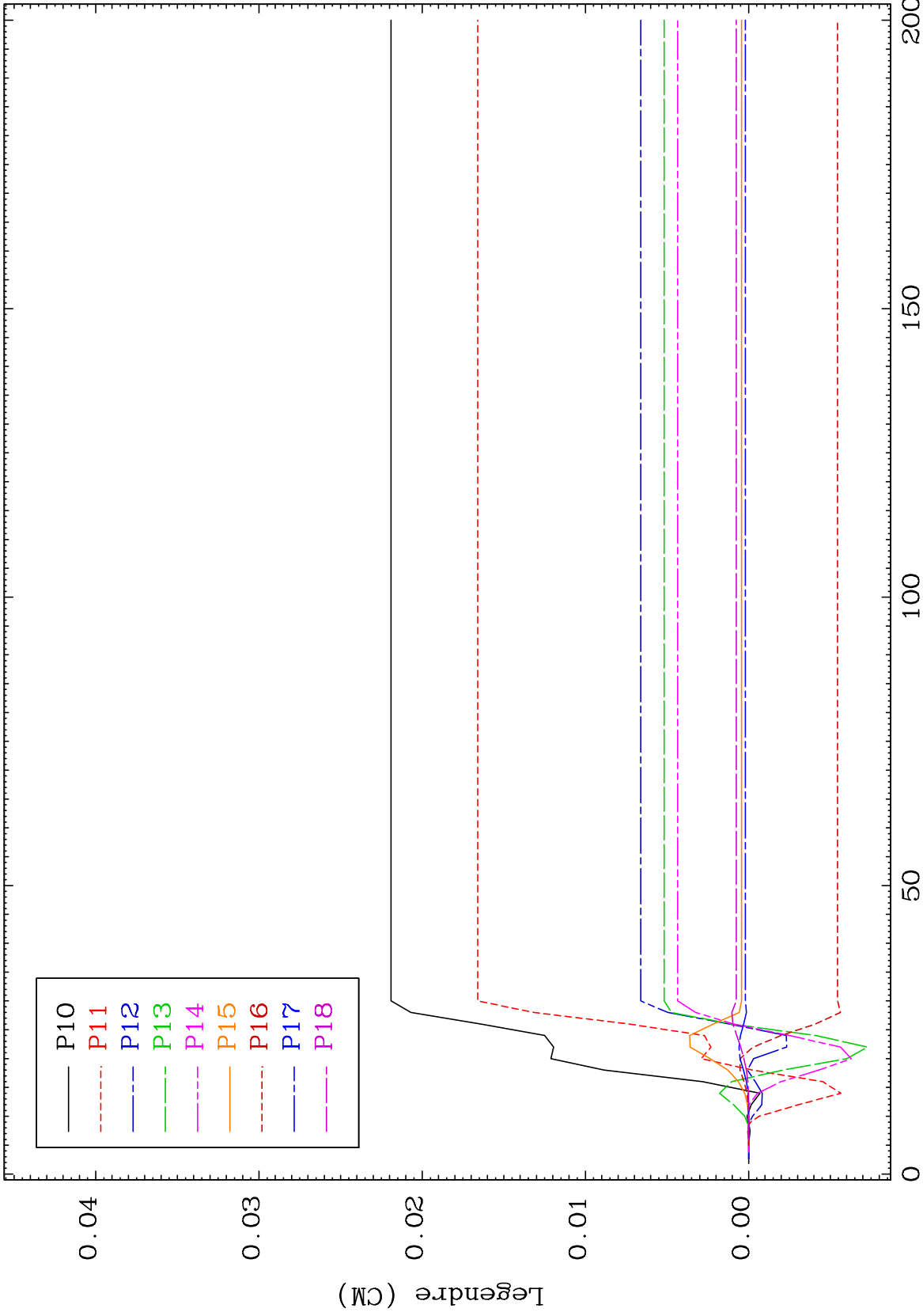
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



39

Incident Energy (MeV)

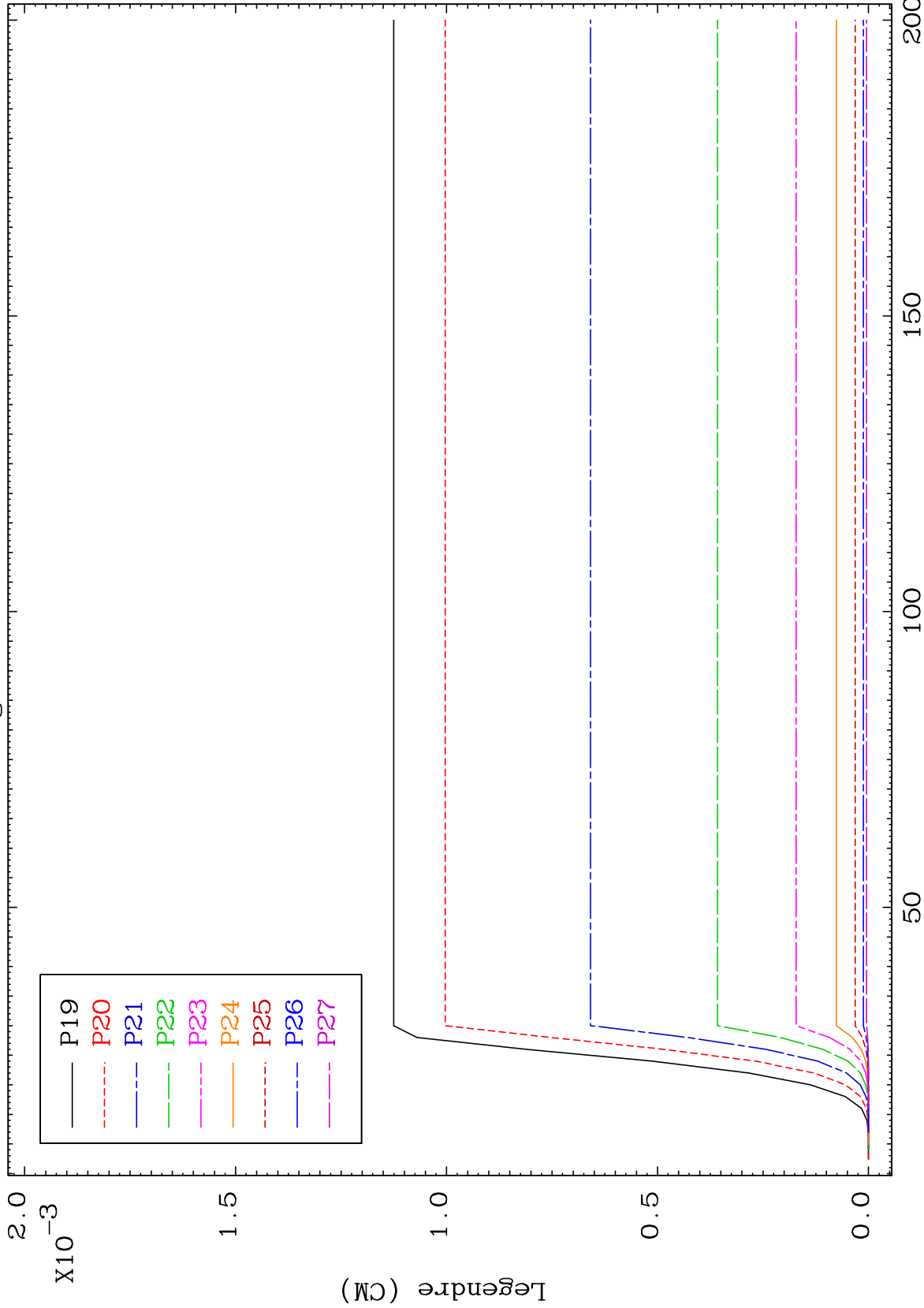
54-Xe-128



MAT 5437

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

54-Xe-128



40

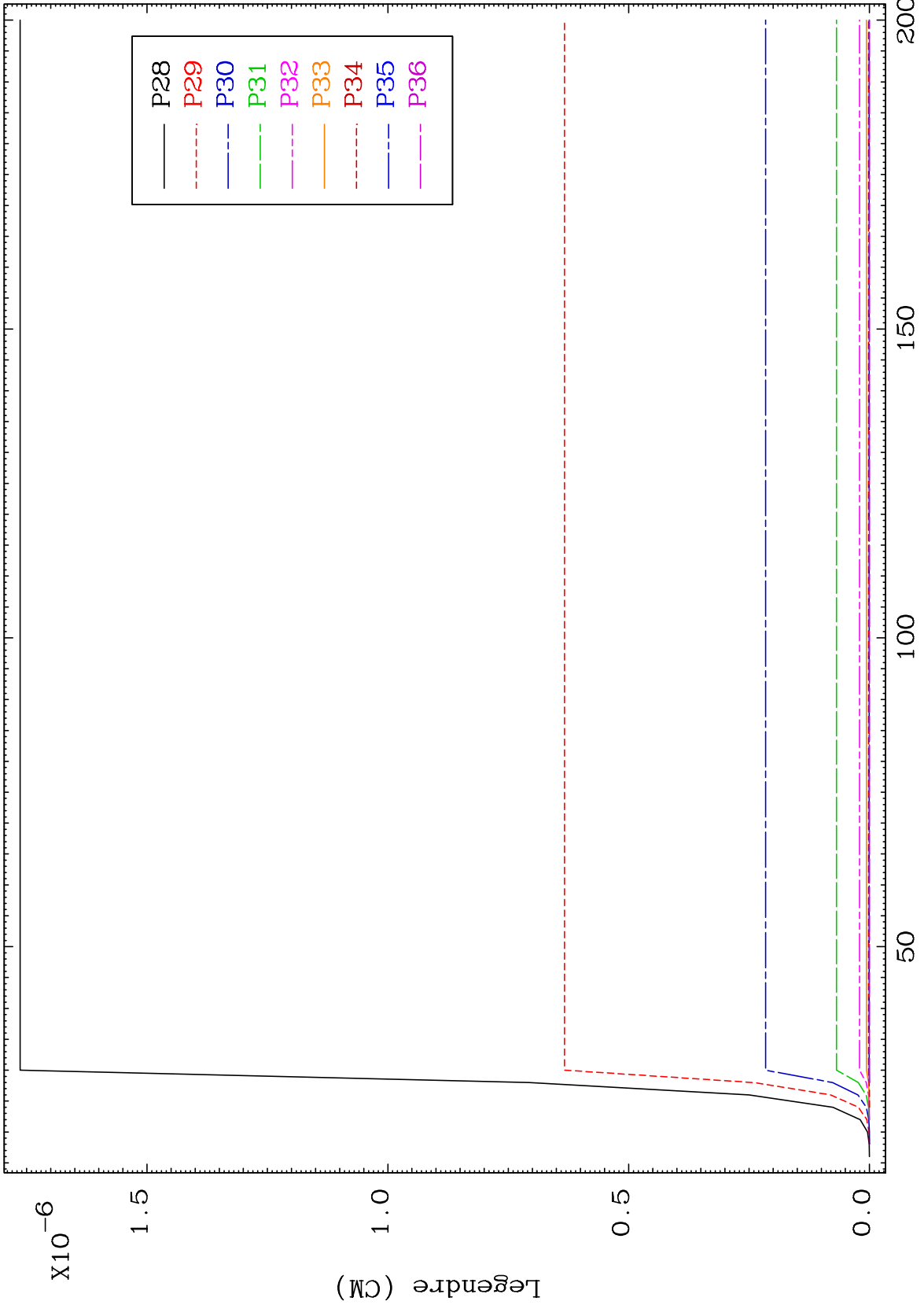
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



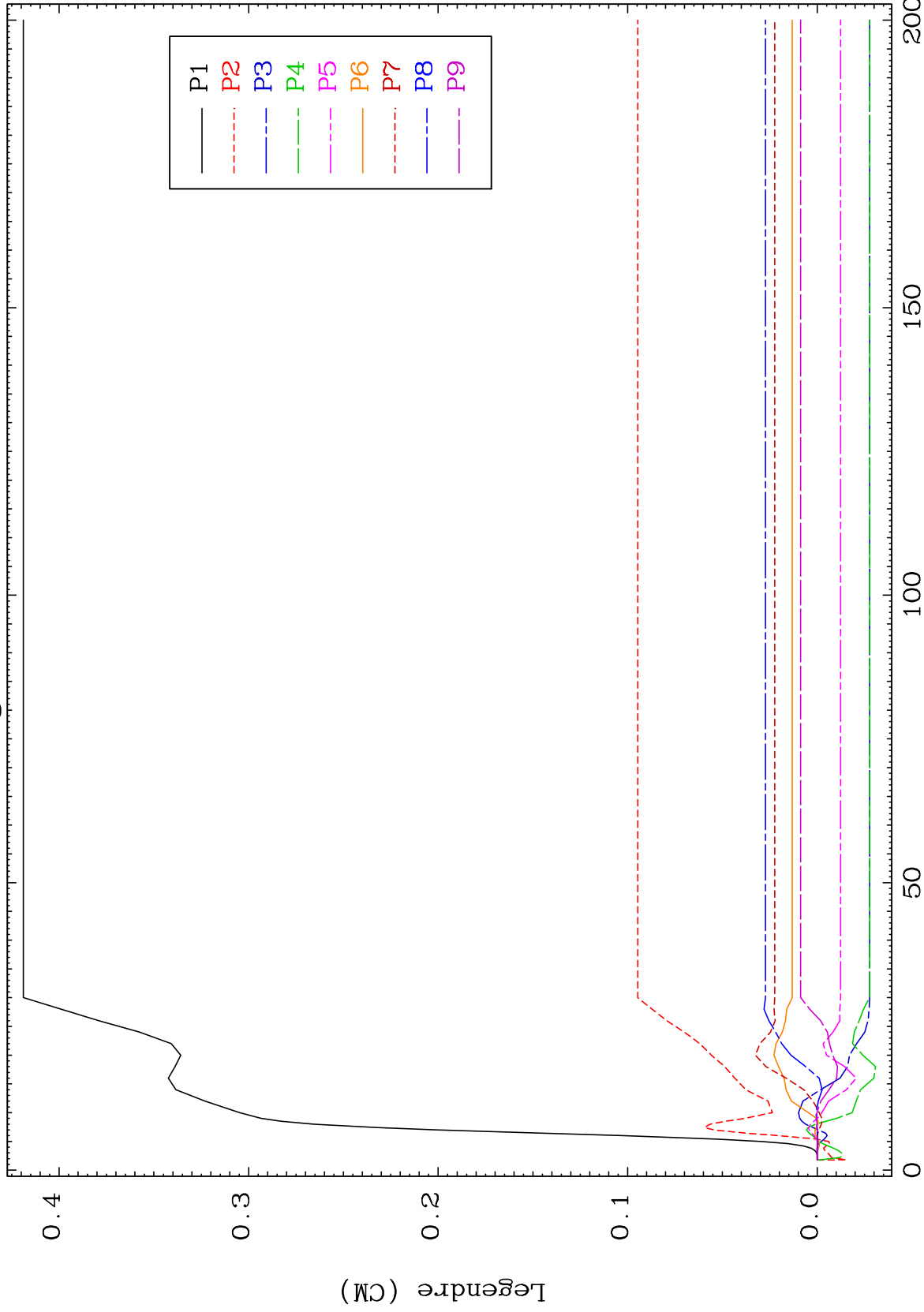
41

54-Xe-128

MAT 5437

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

54-Xe-128



42

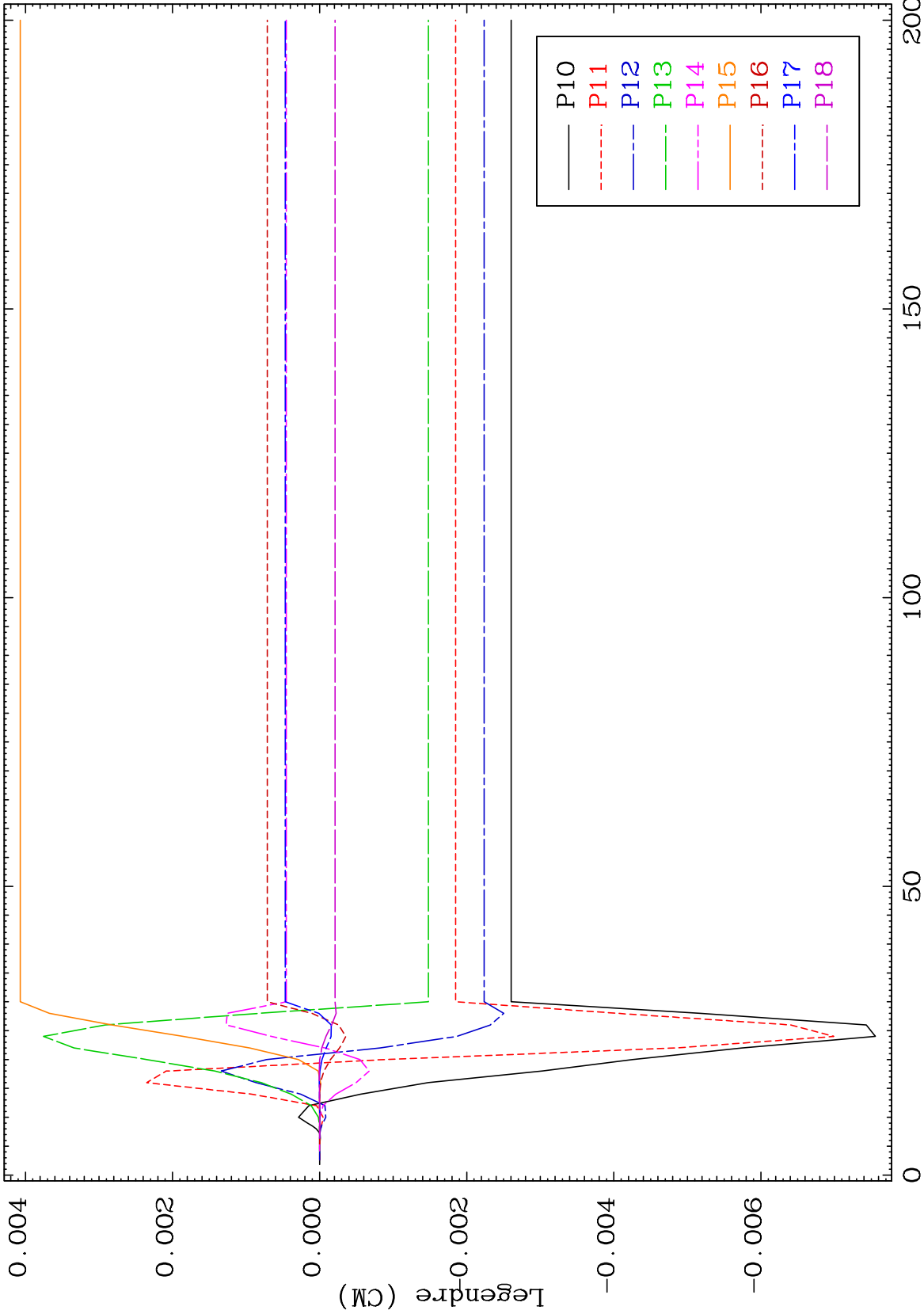
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



43

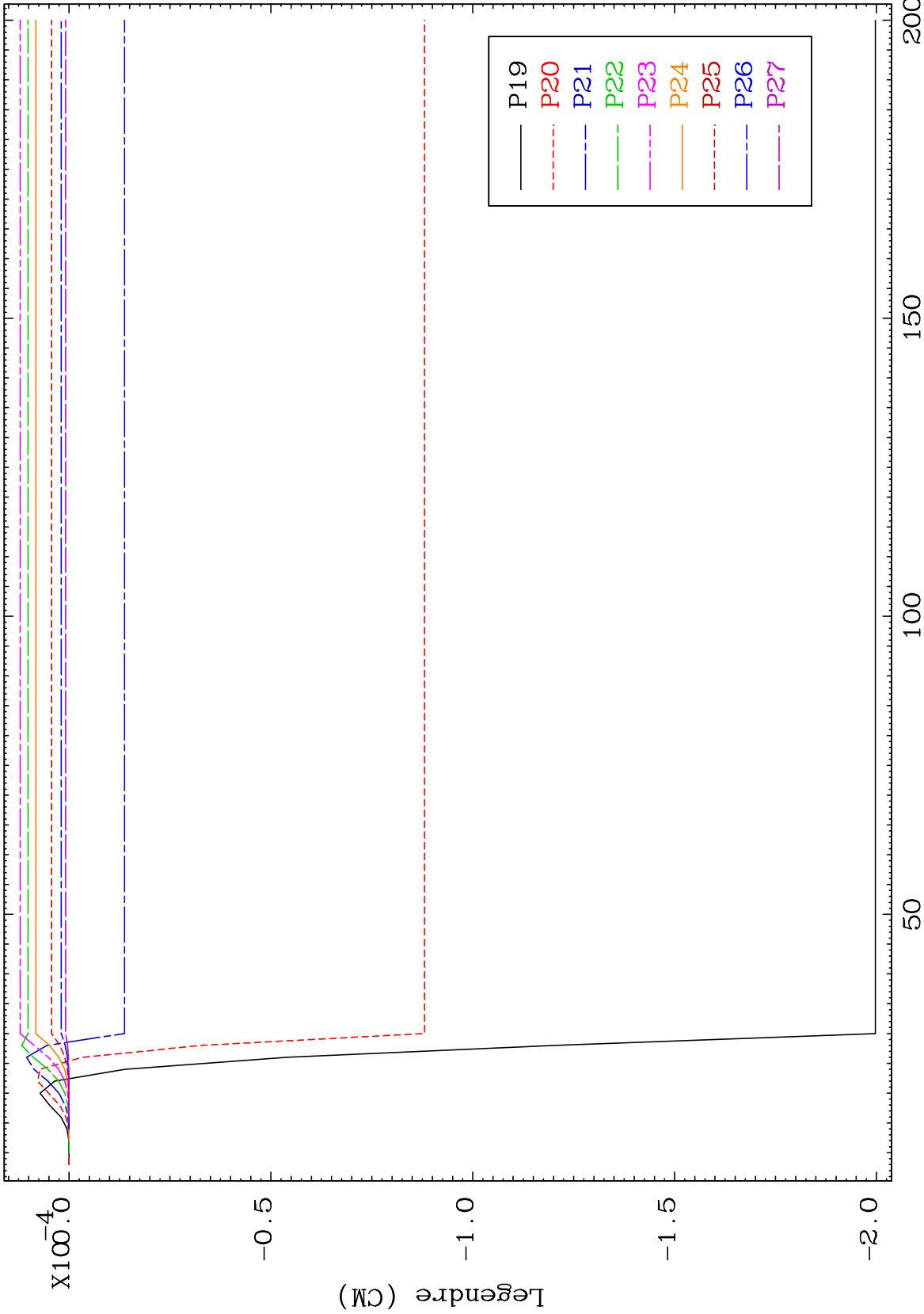
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

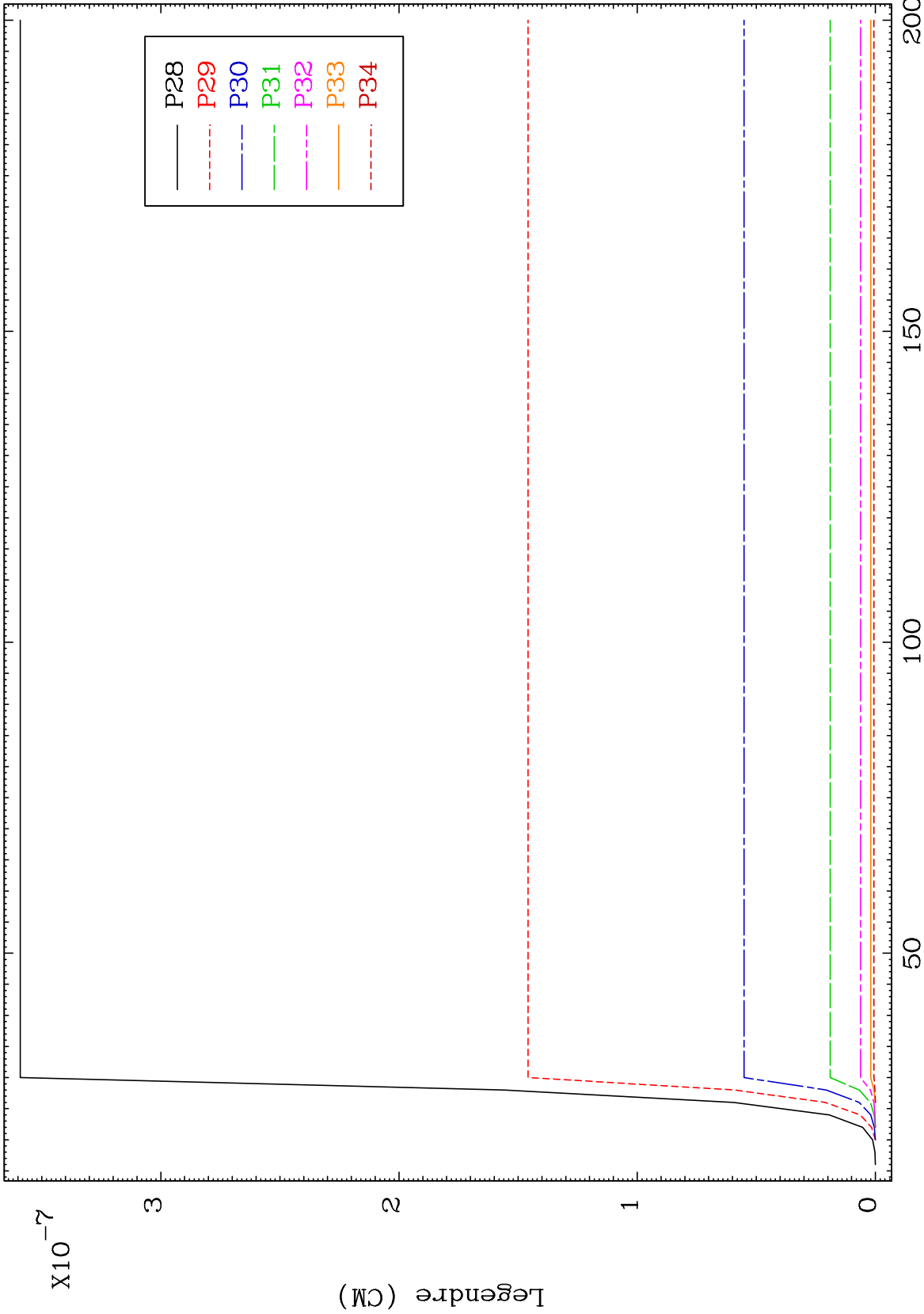
54-Xe-128



MAT 5437

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

54-Xe-128



45

Incident Energy (MeV)

50

100

150

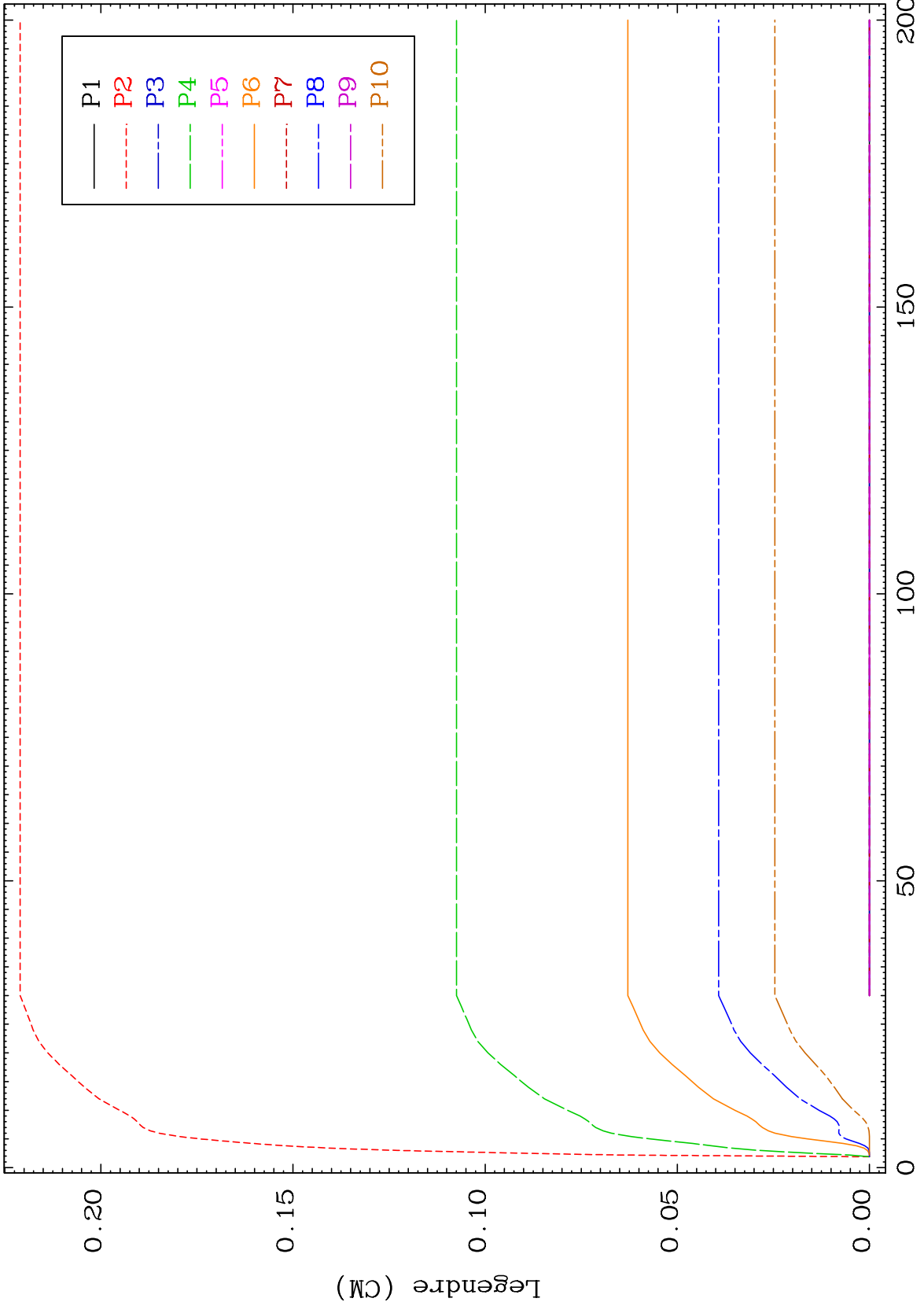
200

54-Xe-128

MAT 5437

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

54-Xe-128



46

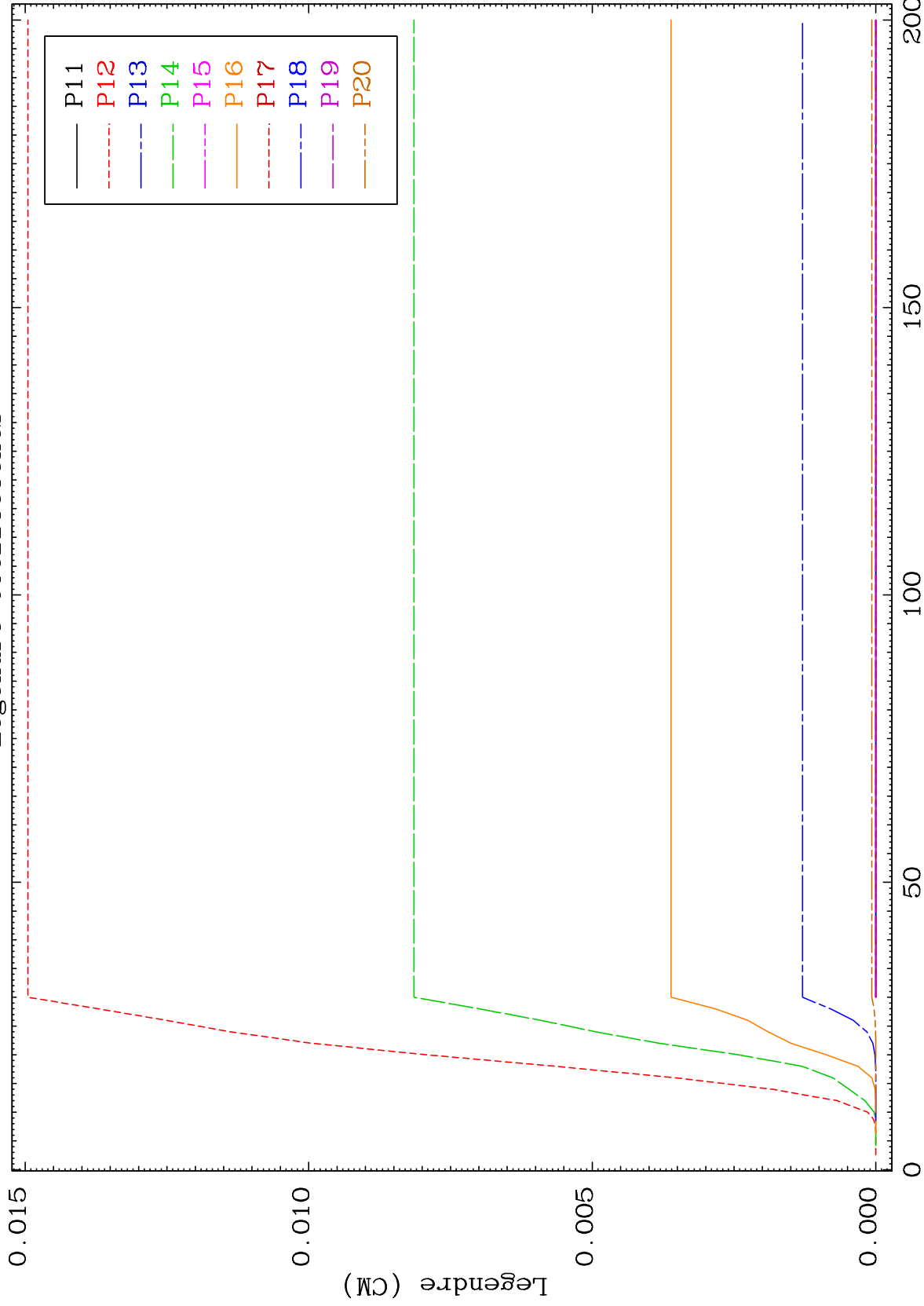
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



47

Incident Energy (MeV)

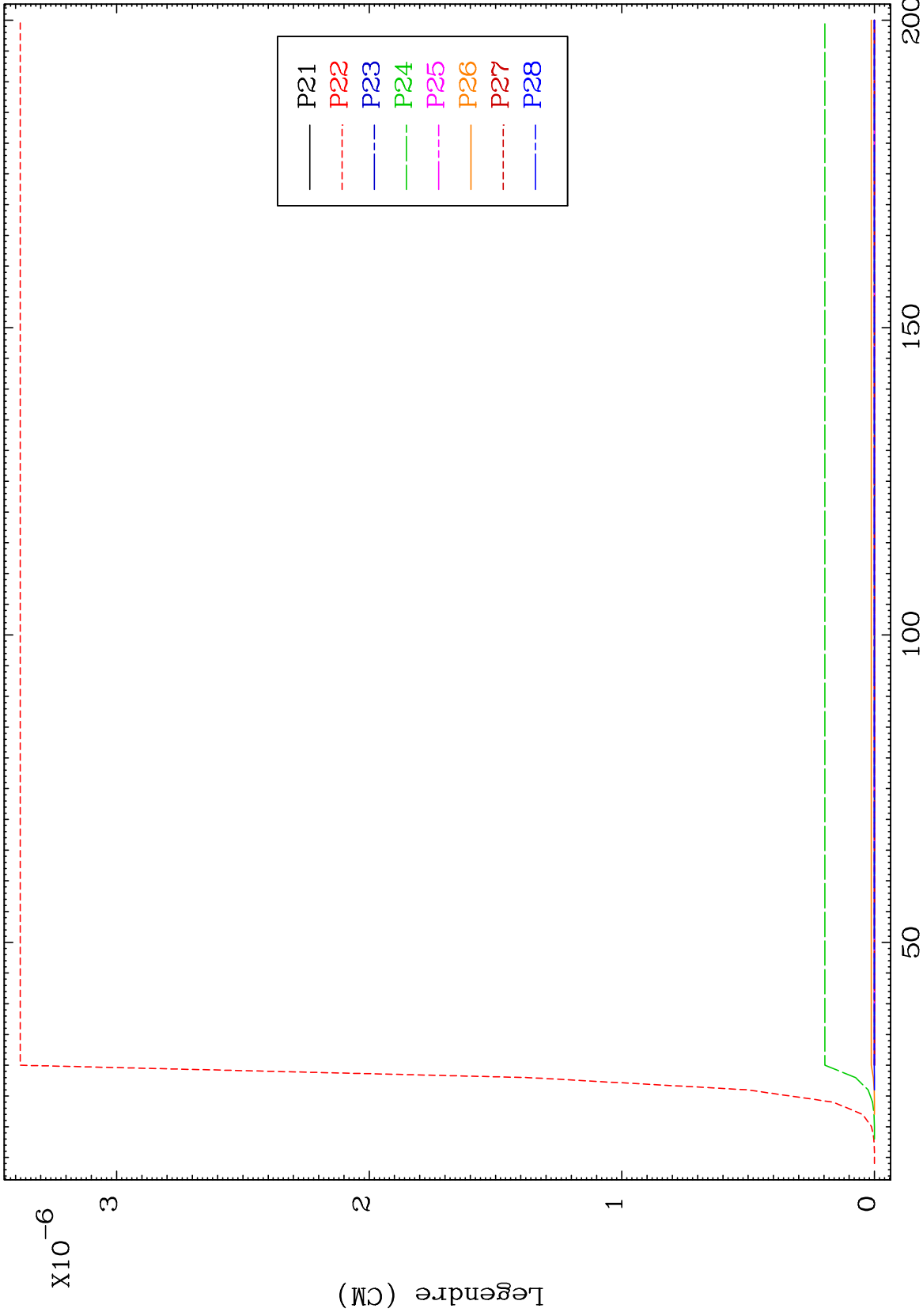
54-Xe-128



MAT 5437

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

54-Xe-128



48

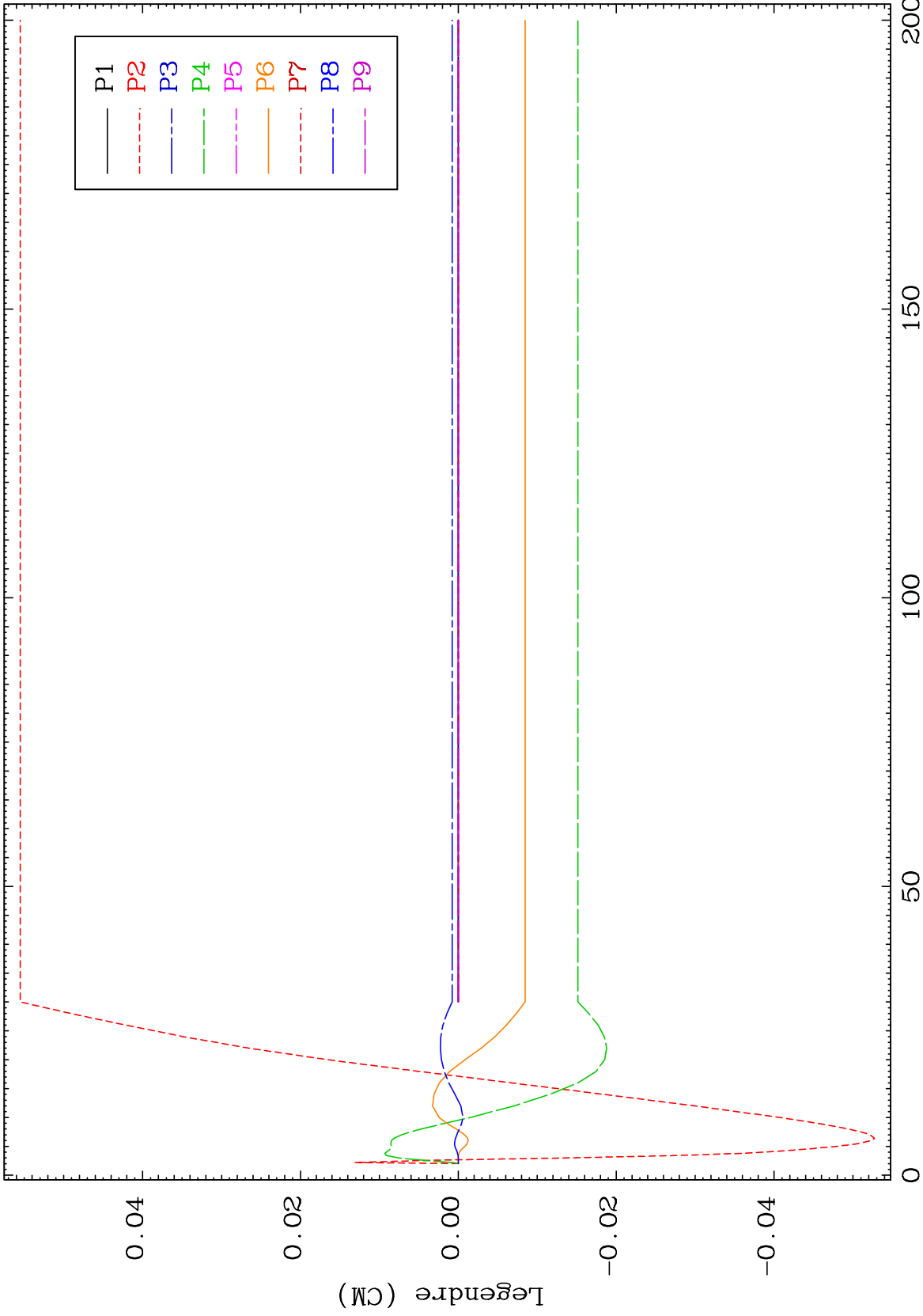
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



49

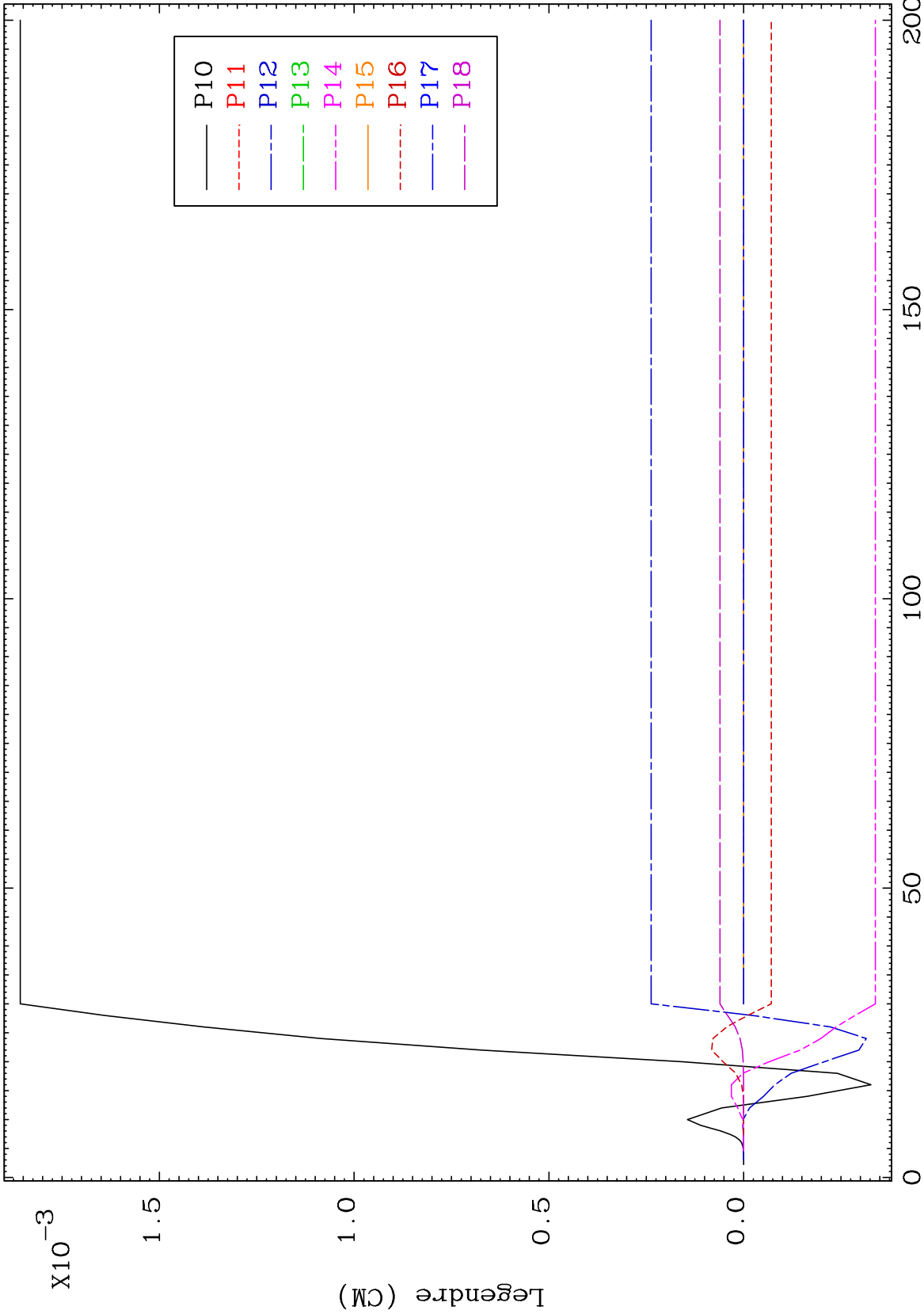
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



50

Incident Energy (MeV)

100

150

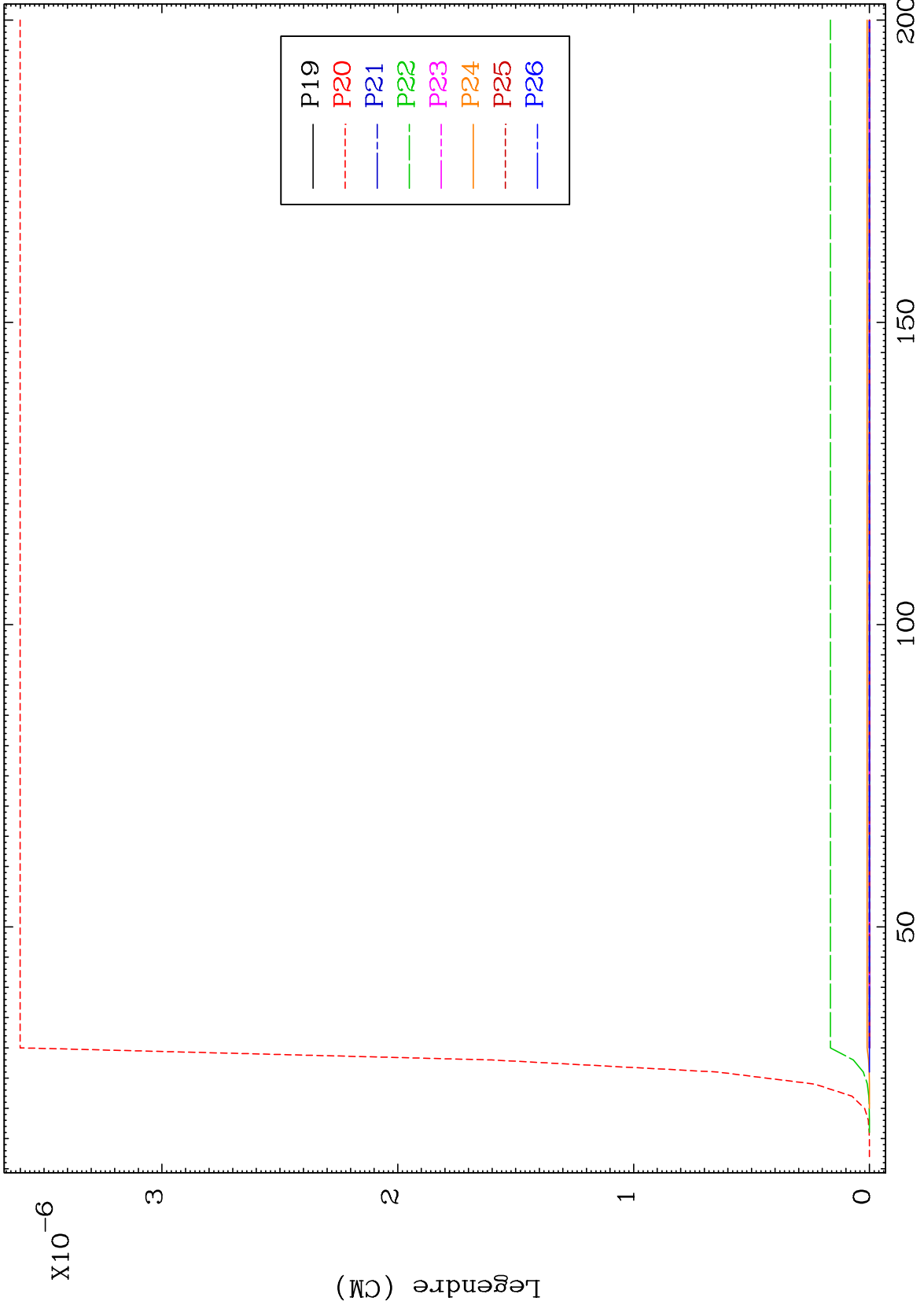
200

54-Xe-128

MAT 5437

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

54-Xe-128



51

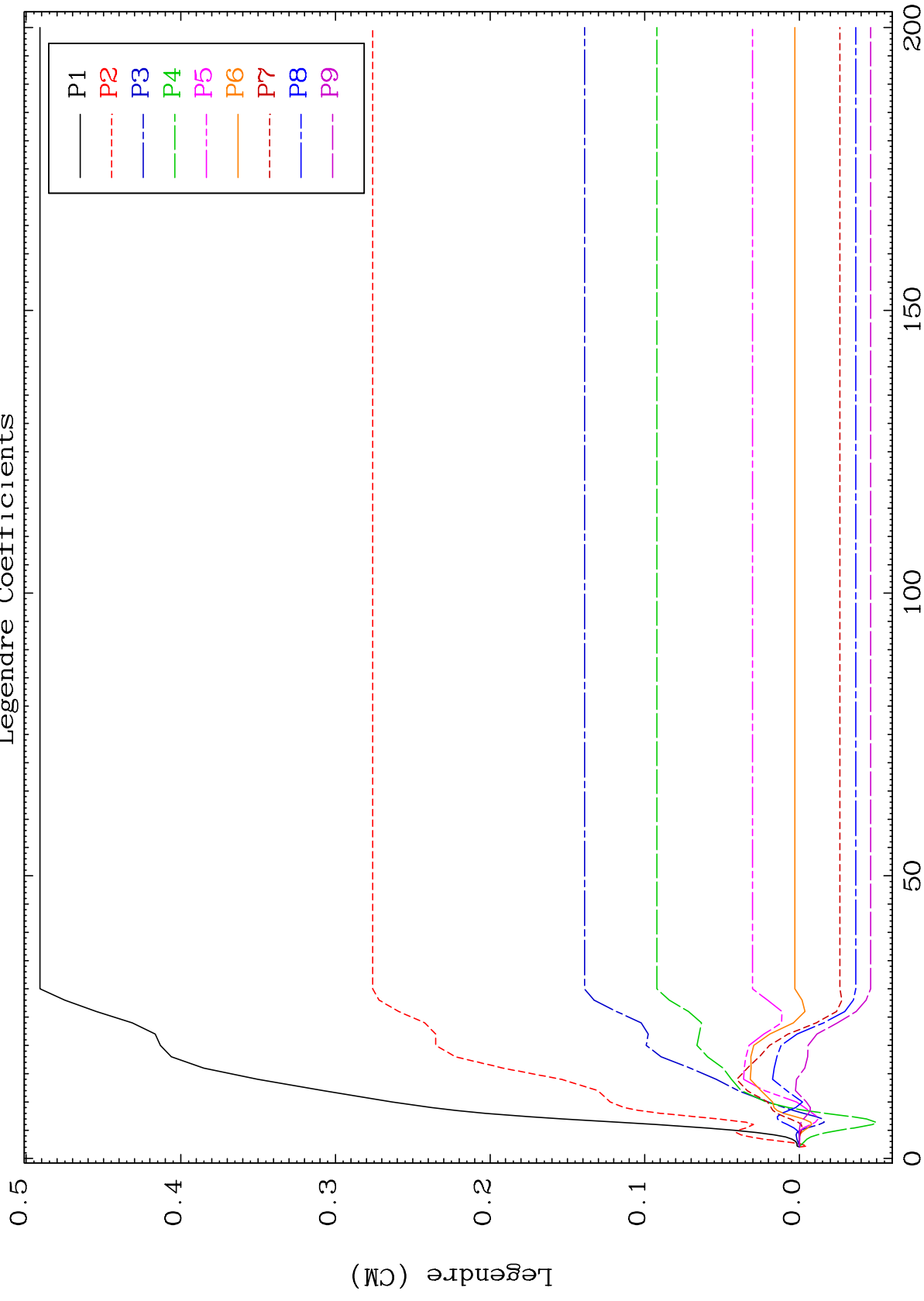
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



52

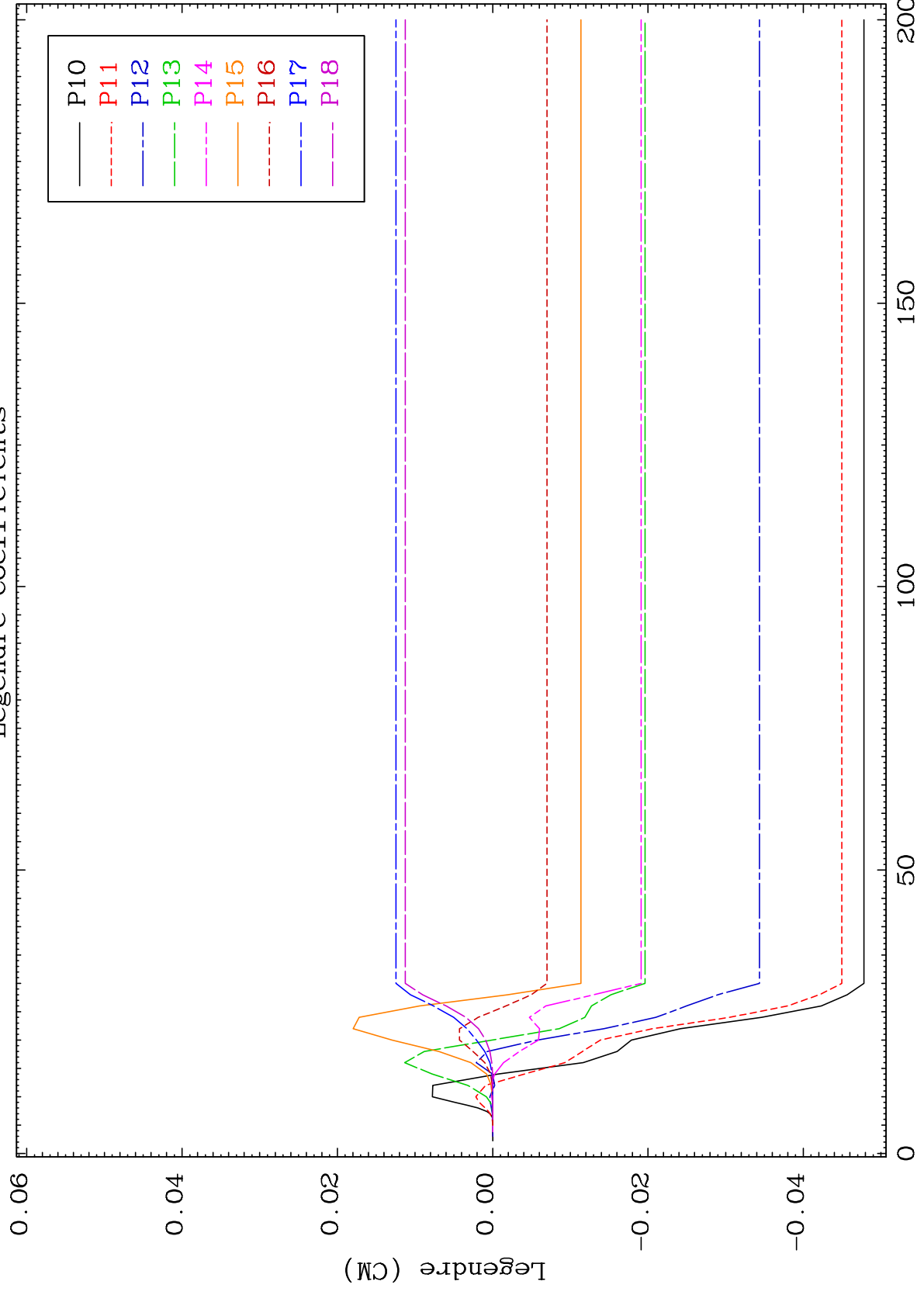
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



53

Incident Energy (MeV)

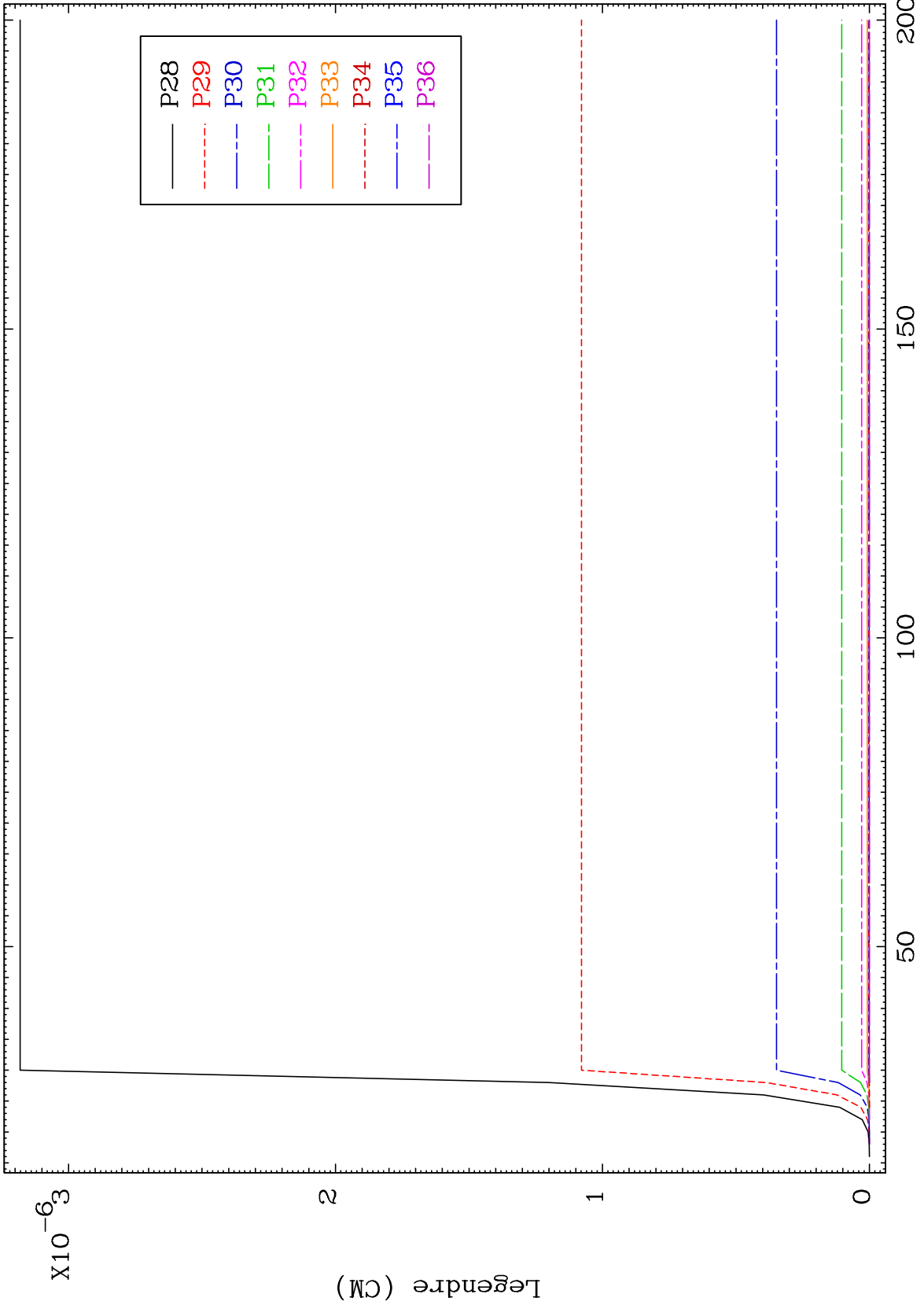
54-Xe-128



MAT 5437

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

54-Xe-128



55

Incident Energy (MeV)

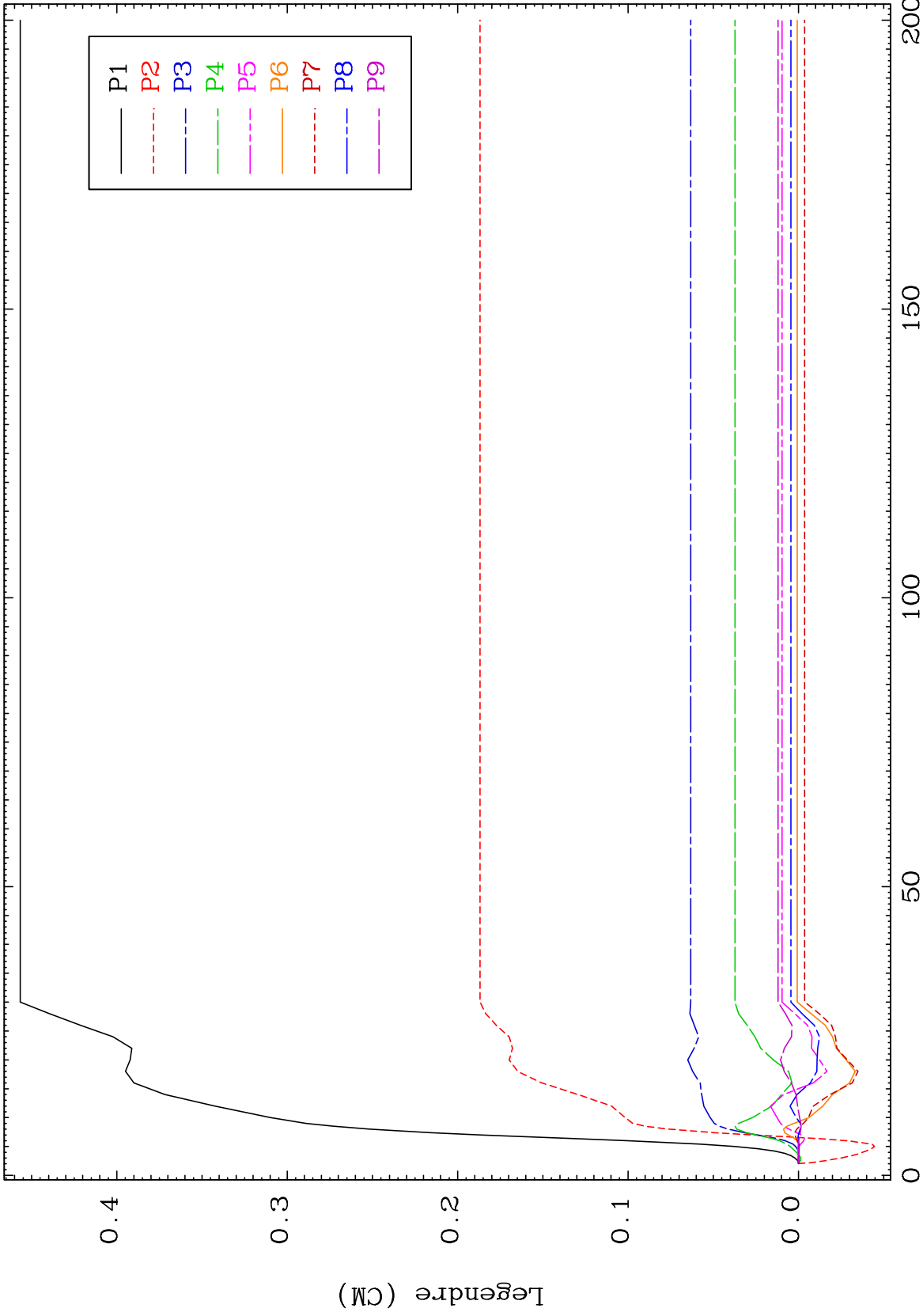
54-Xe-128



MAT 5437

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

54-Xe-128



56

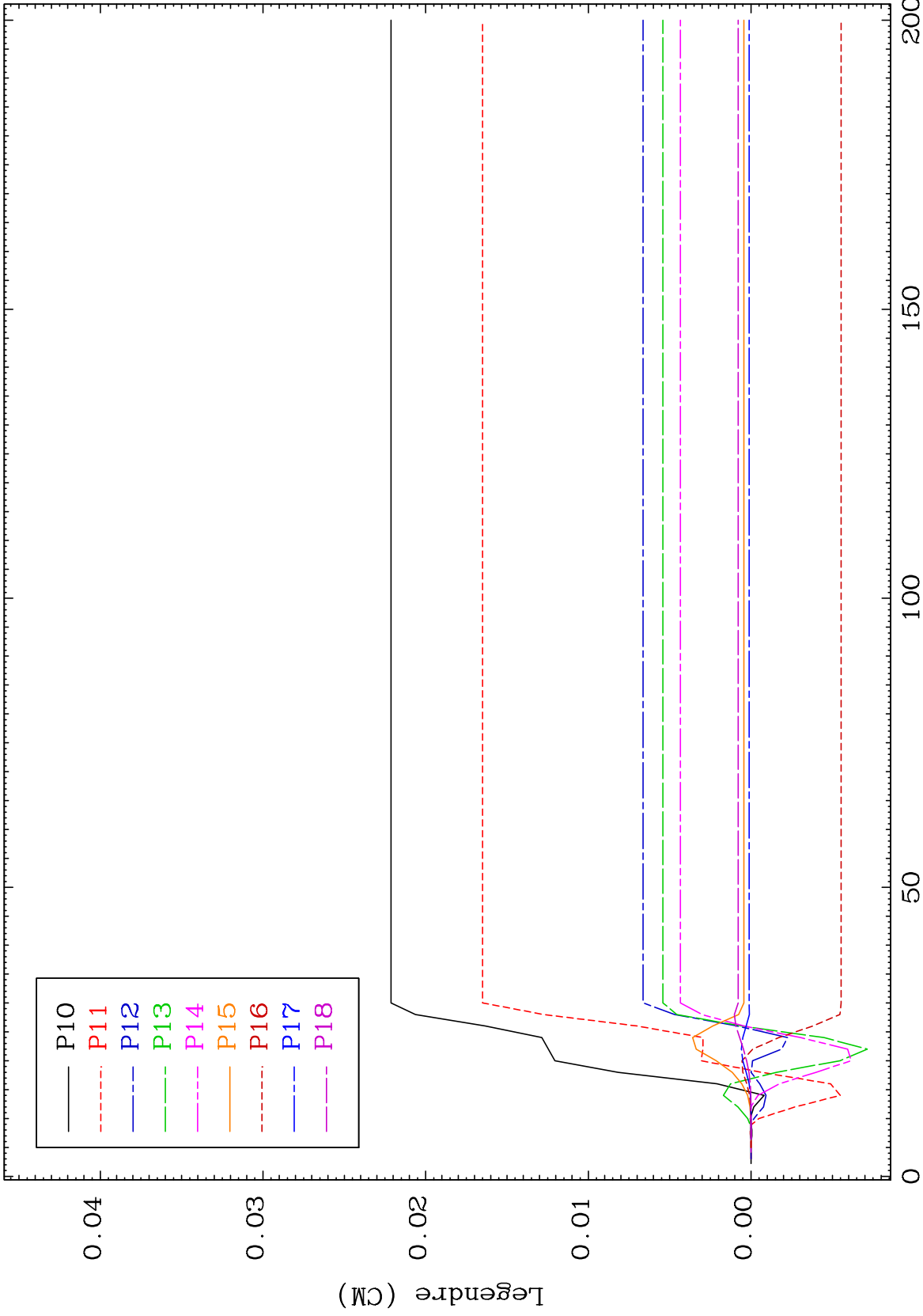
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



57

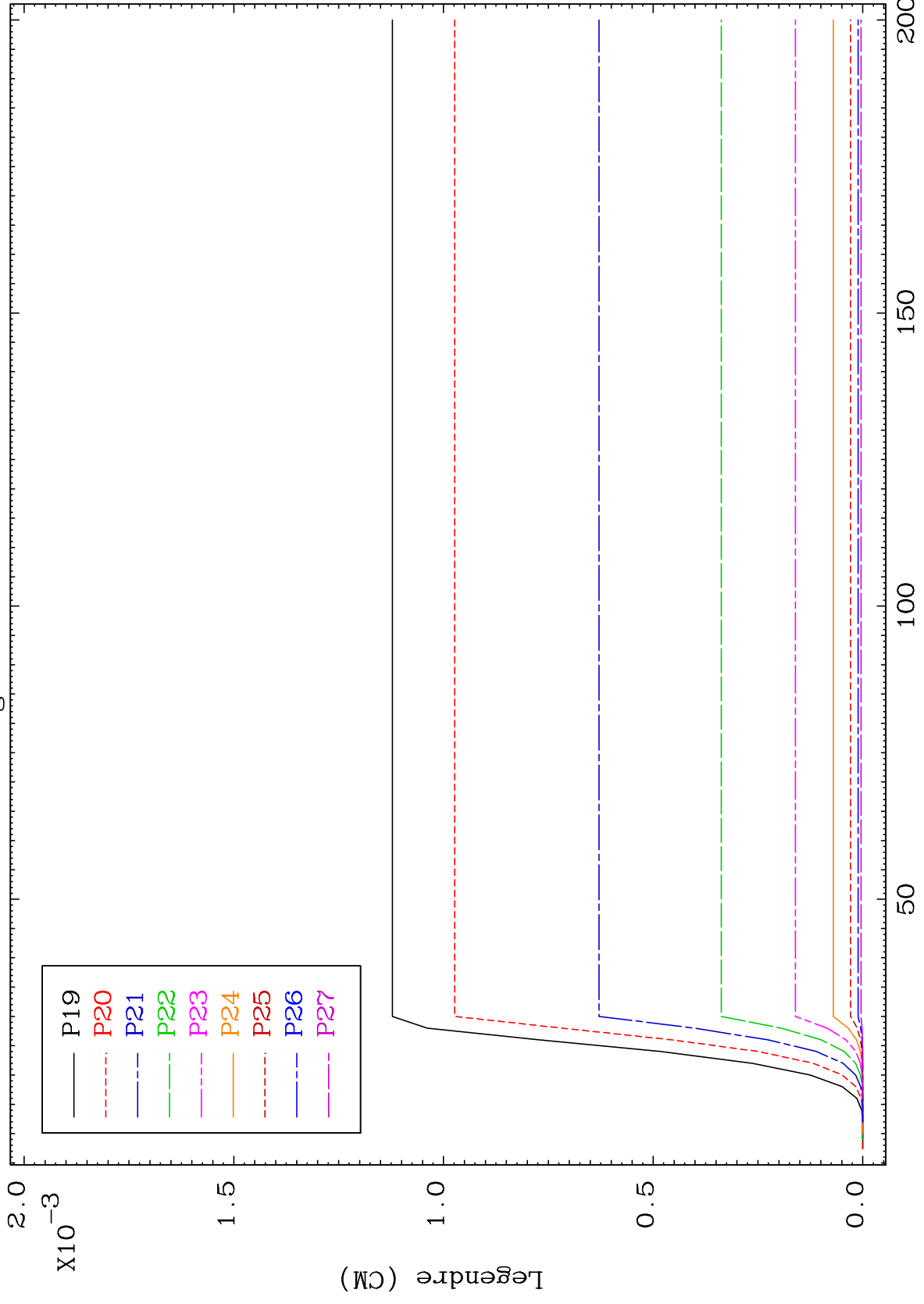
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



58

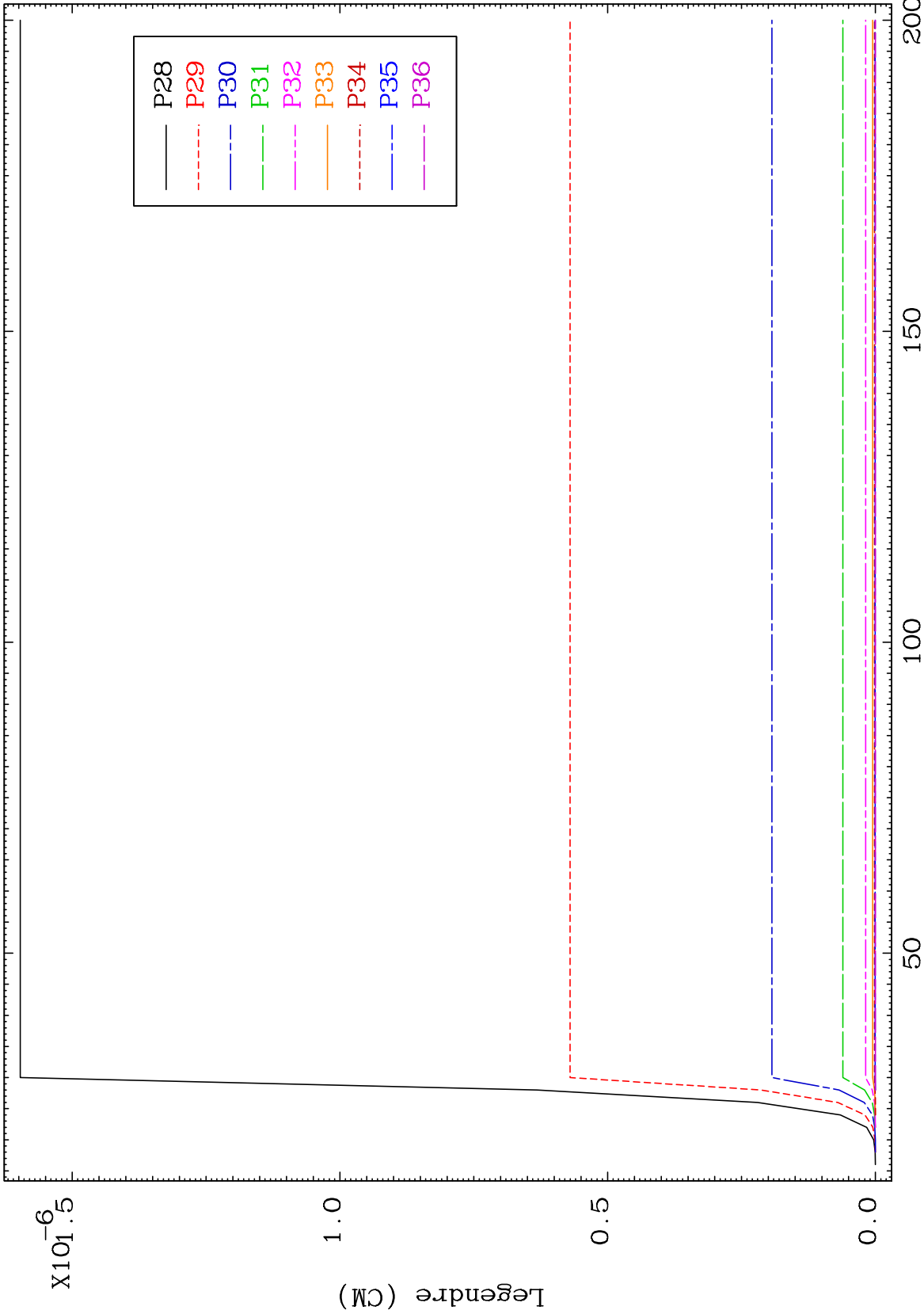
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128

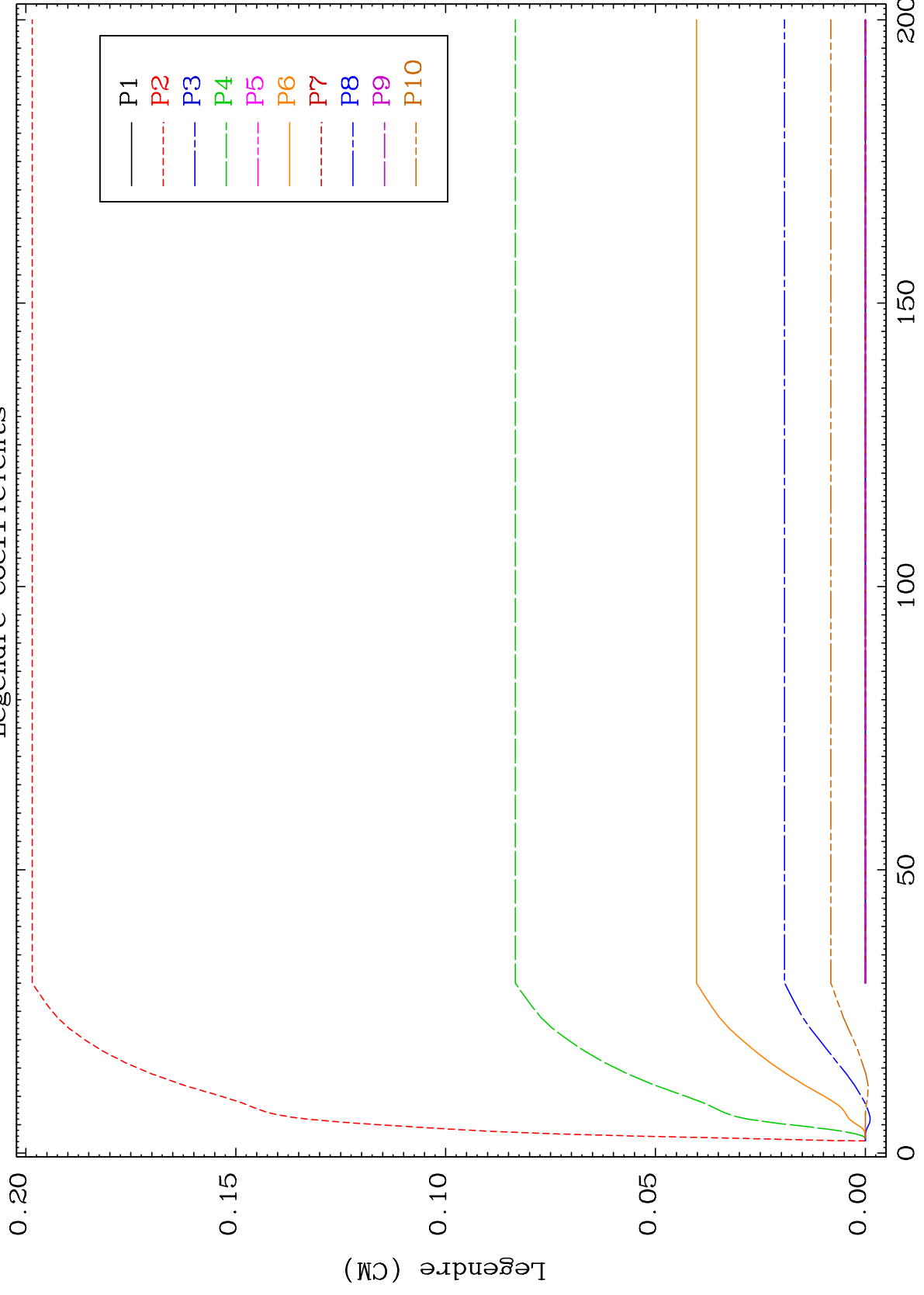


59

Incident Energy (MeV)

54-Xe-128

MAT 5437 MT= 62 (n,n') Level Legendre Coefficients 54-Xe-128

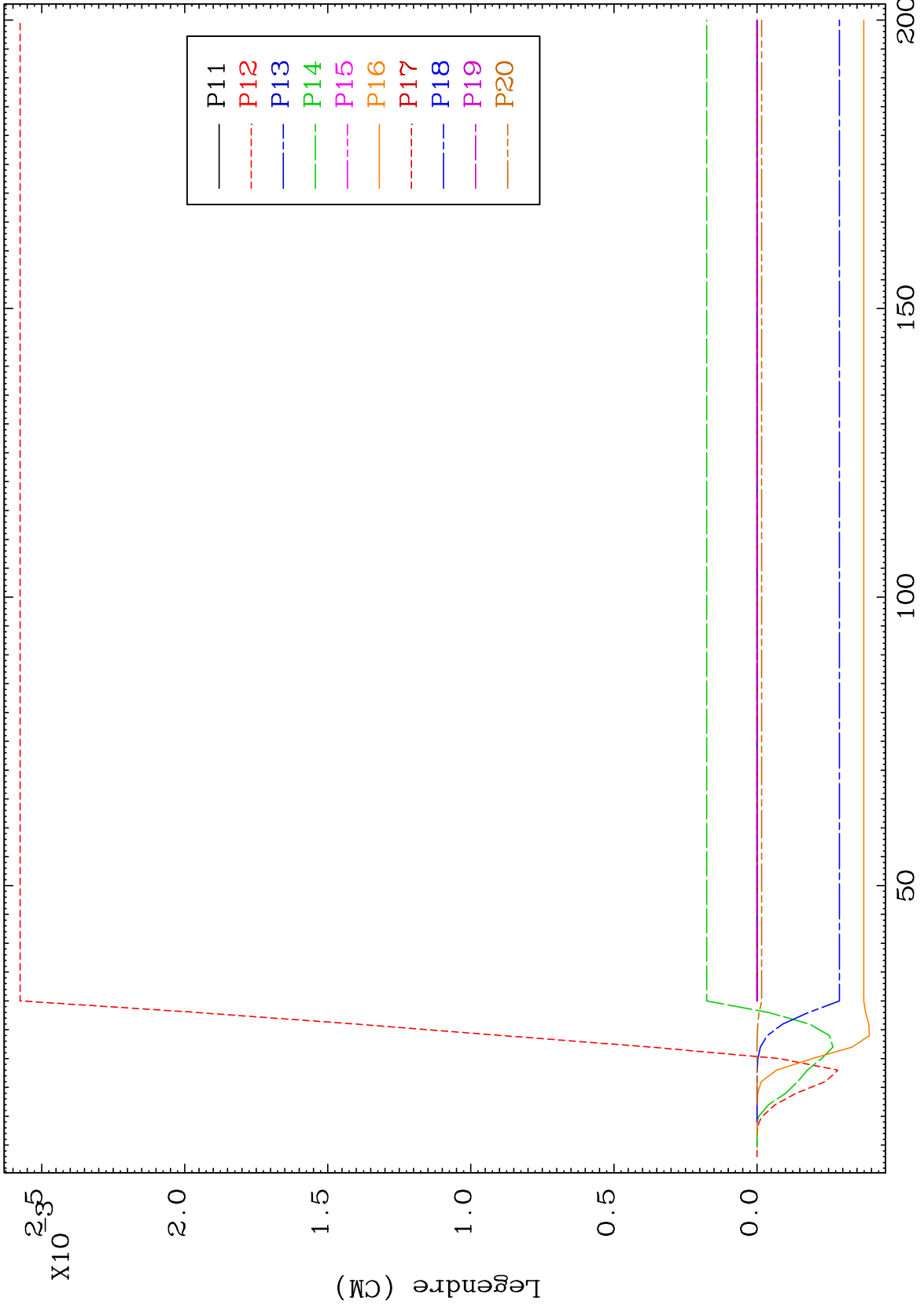


54-Xe-128

MAT 5437

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

54-Xe-128



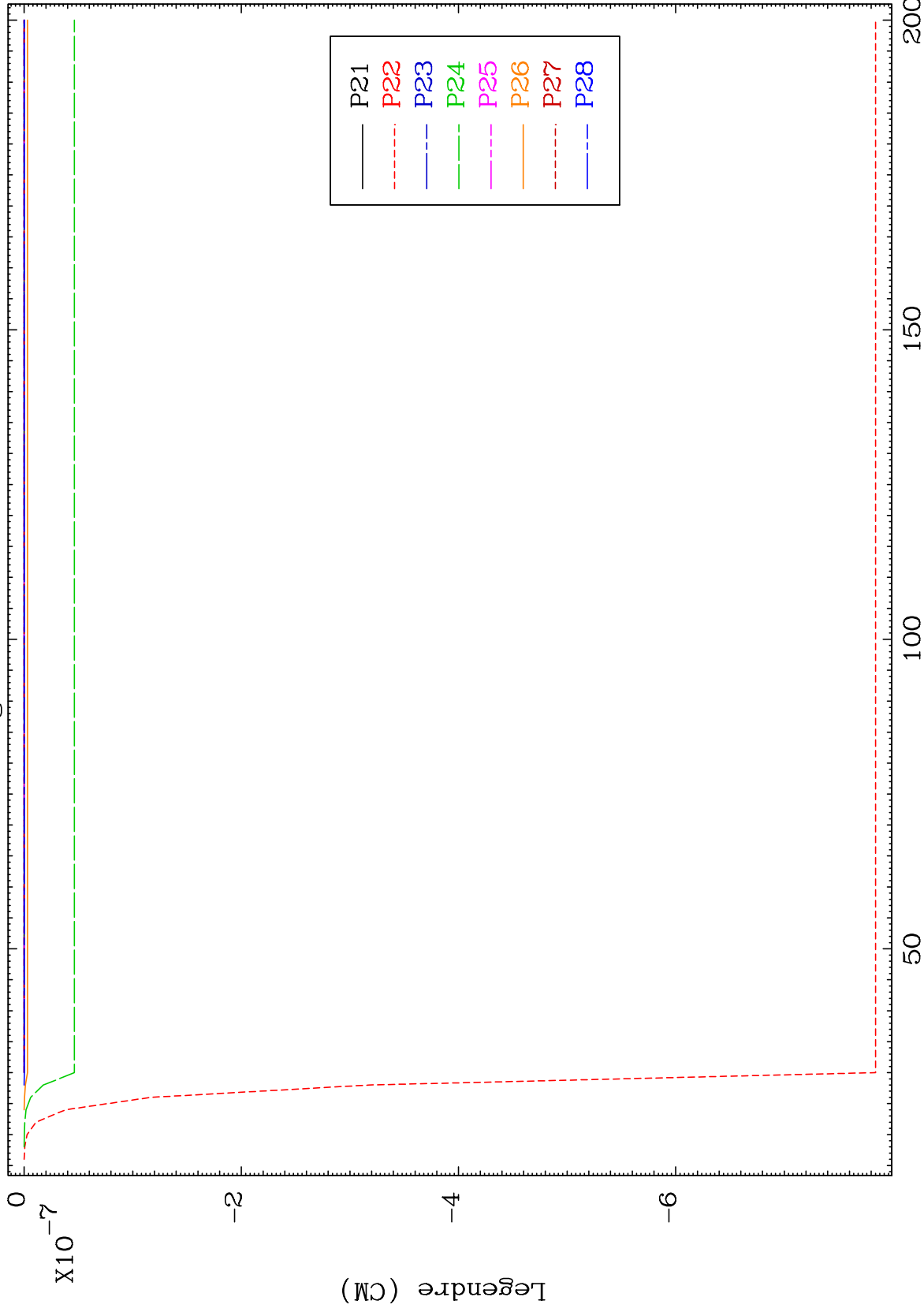
61

54-Xe-128

MAT 5437

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

54-Xe-128



62

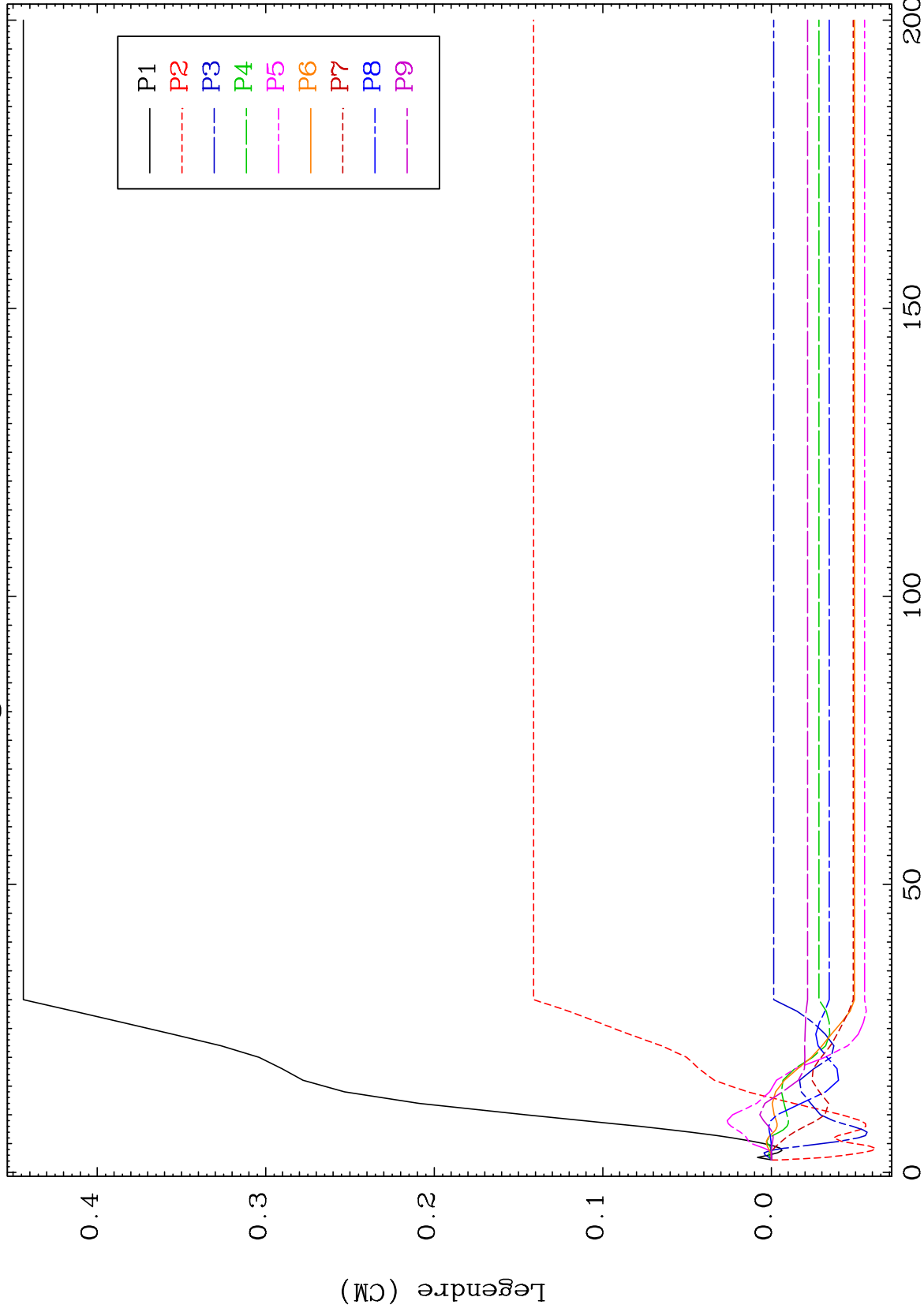
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



63

Incident Energy (MeV)

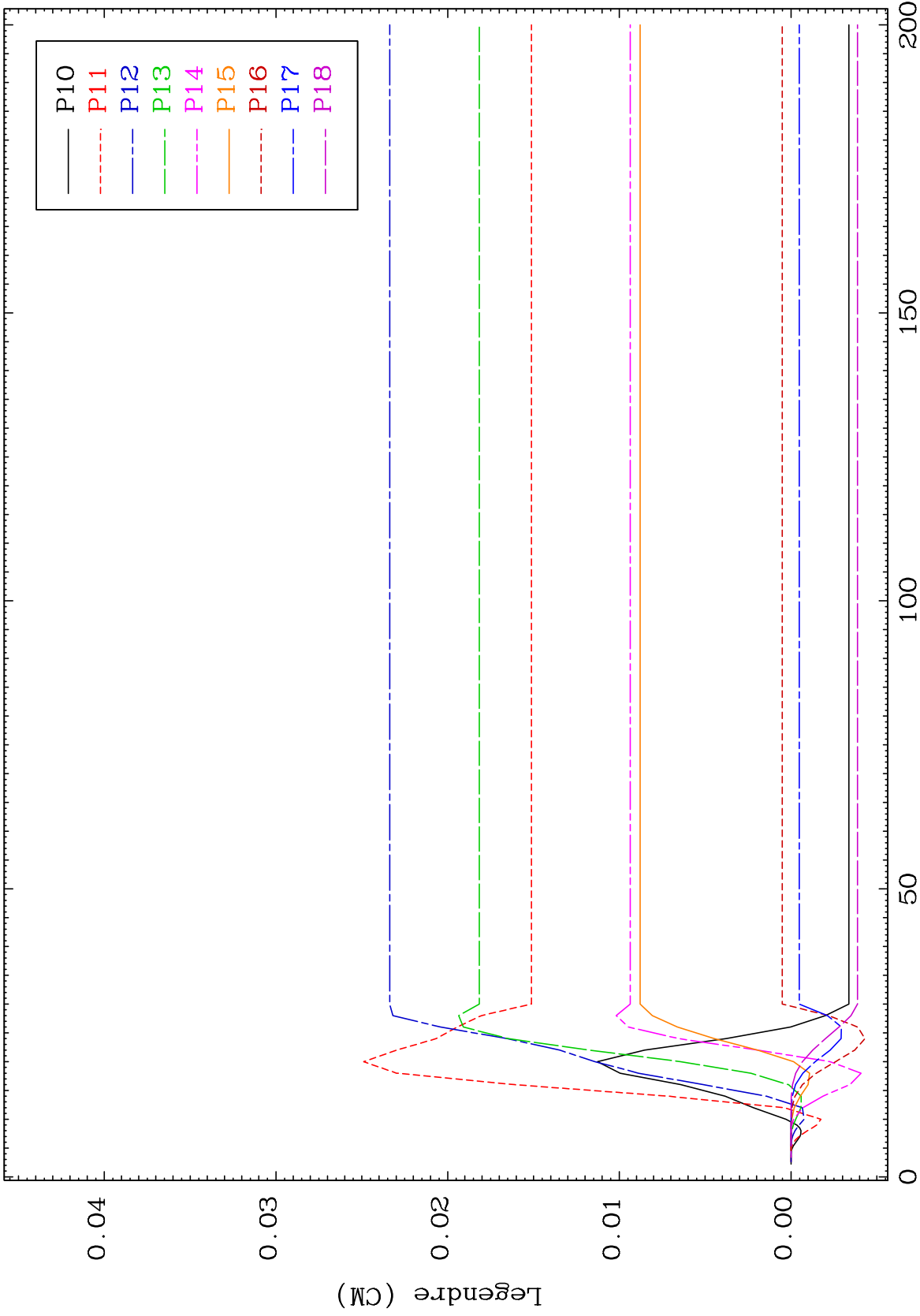
54-Xe-128



MAT 5437

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

54-Xe-128



64

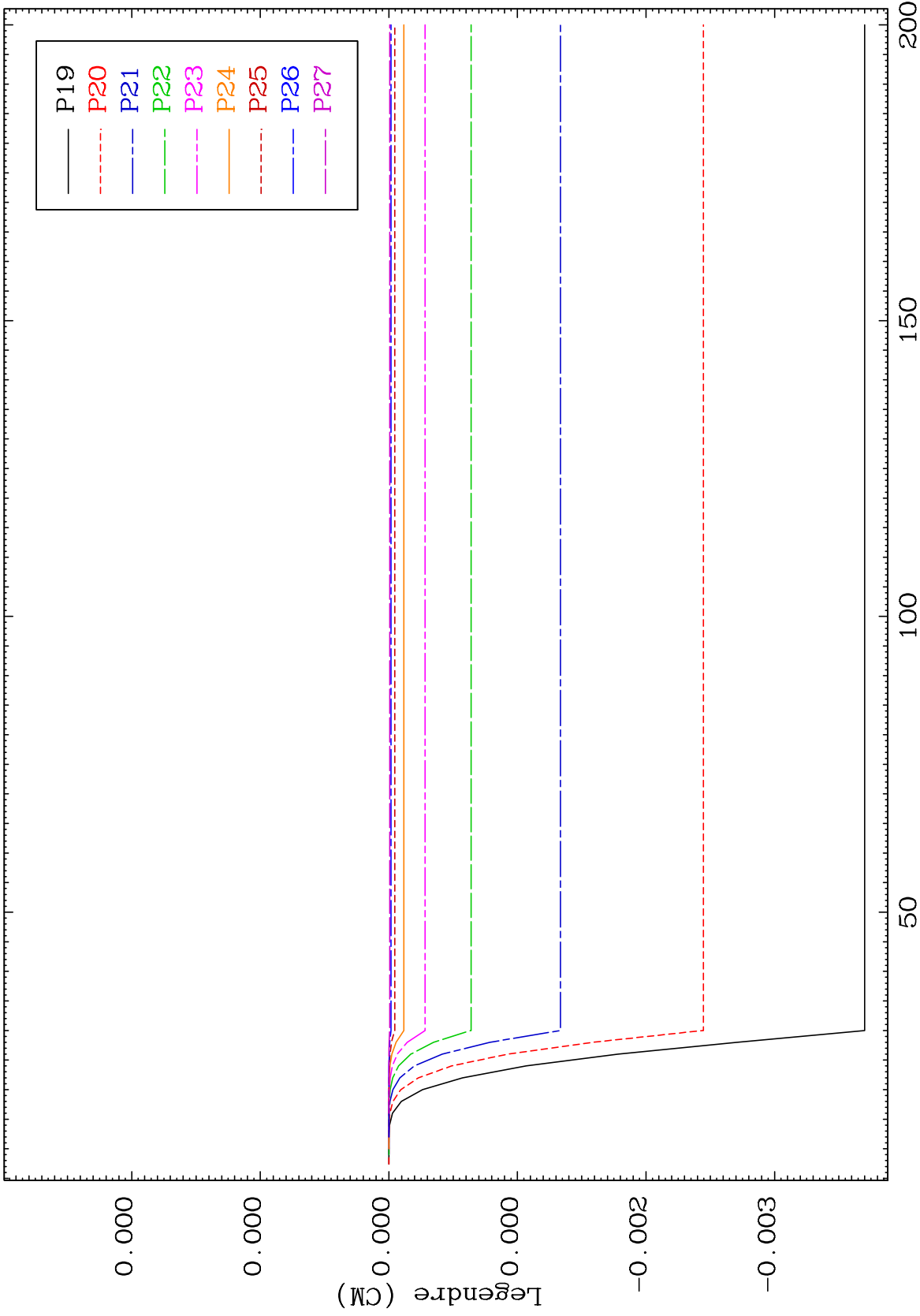
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



65

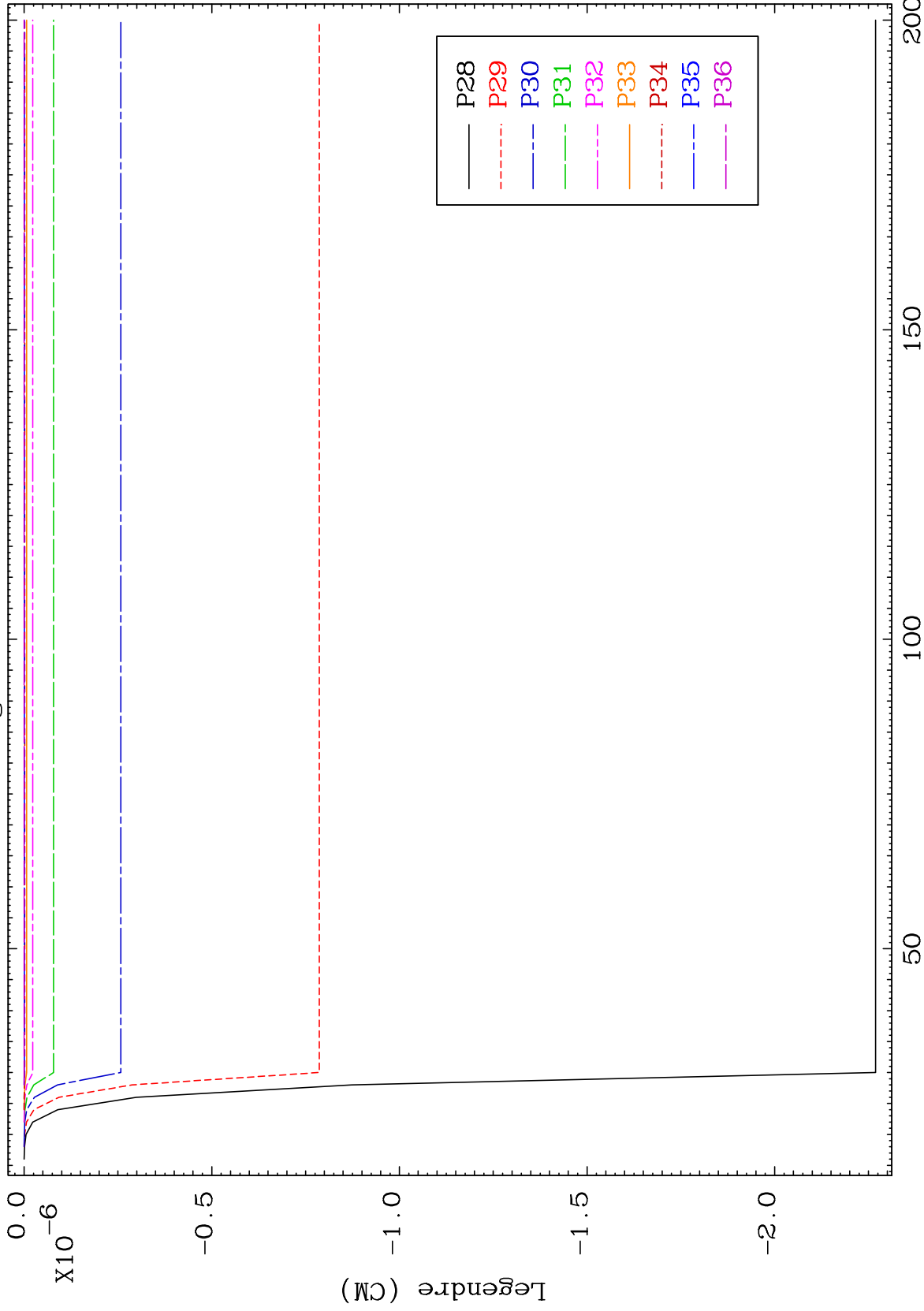
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



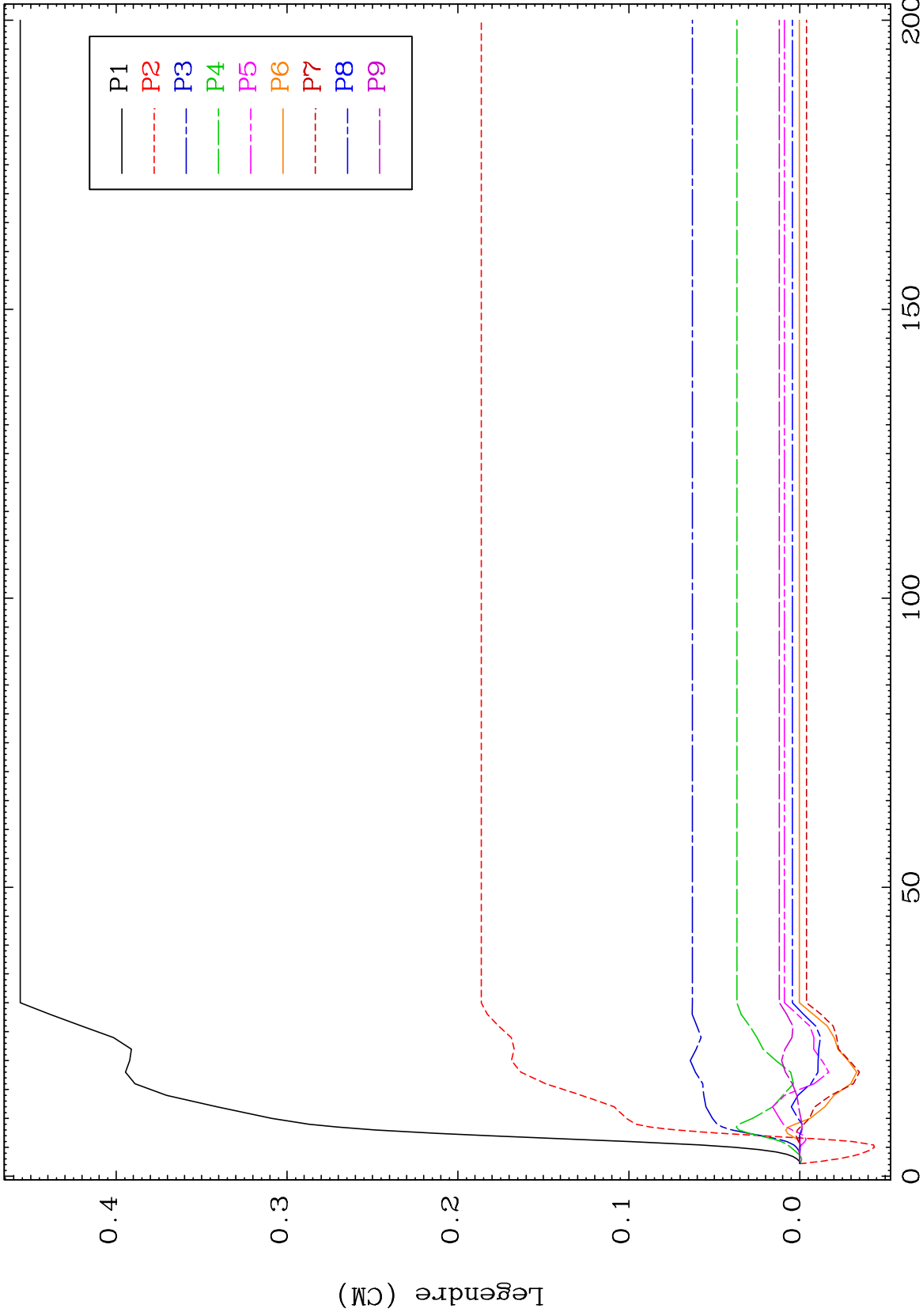
66

54-Xe-128

MAT 5437

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

54-Xe-128



67

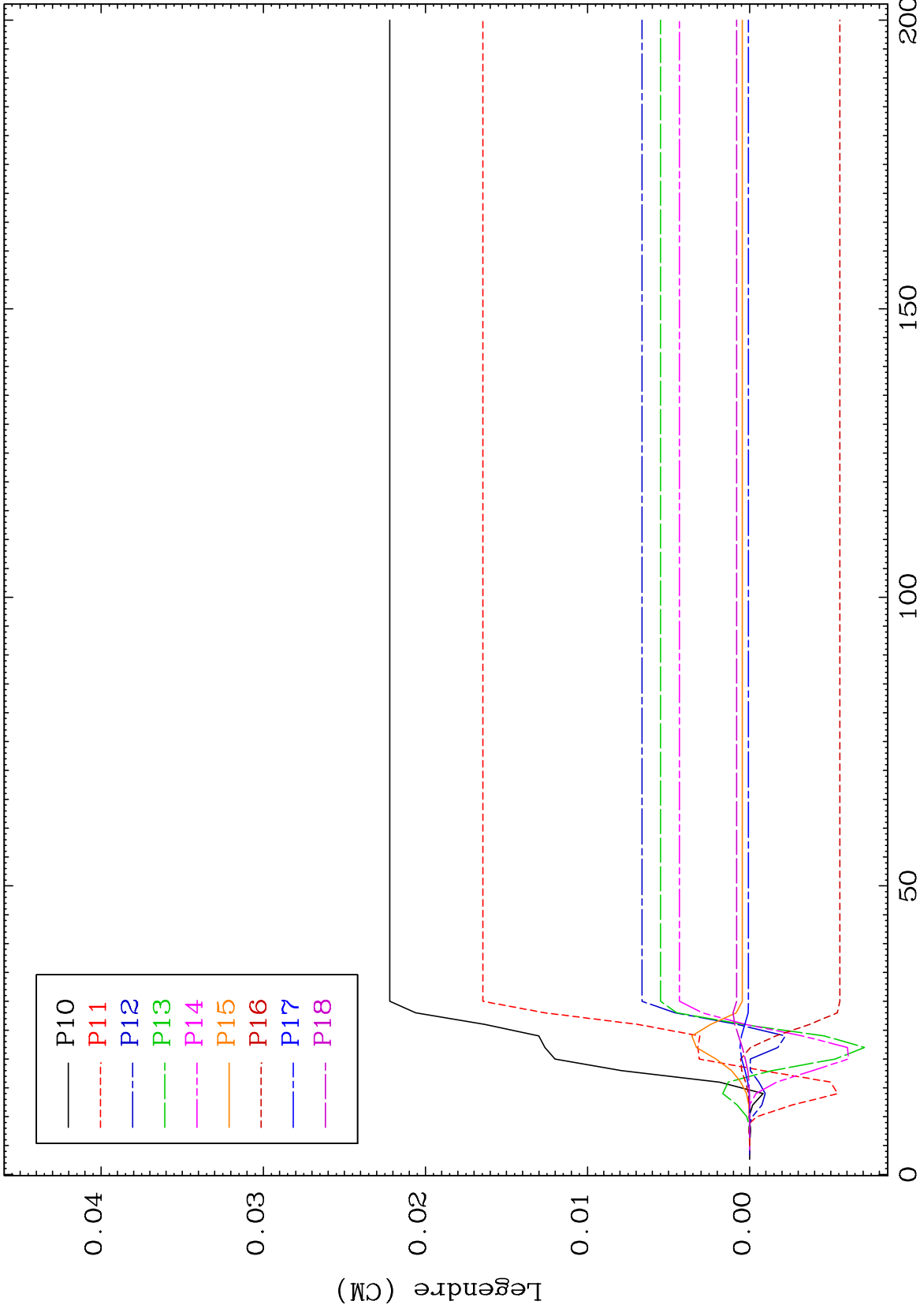
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



68

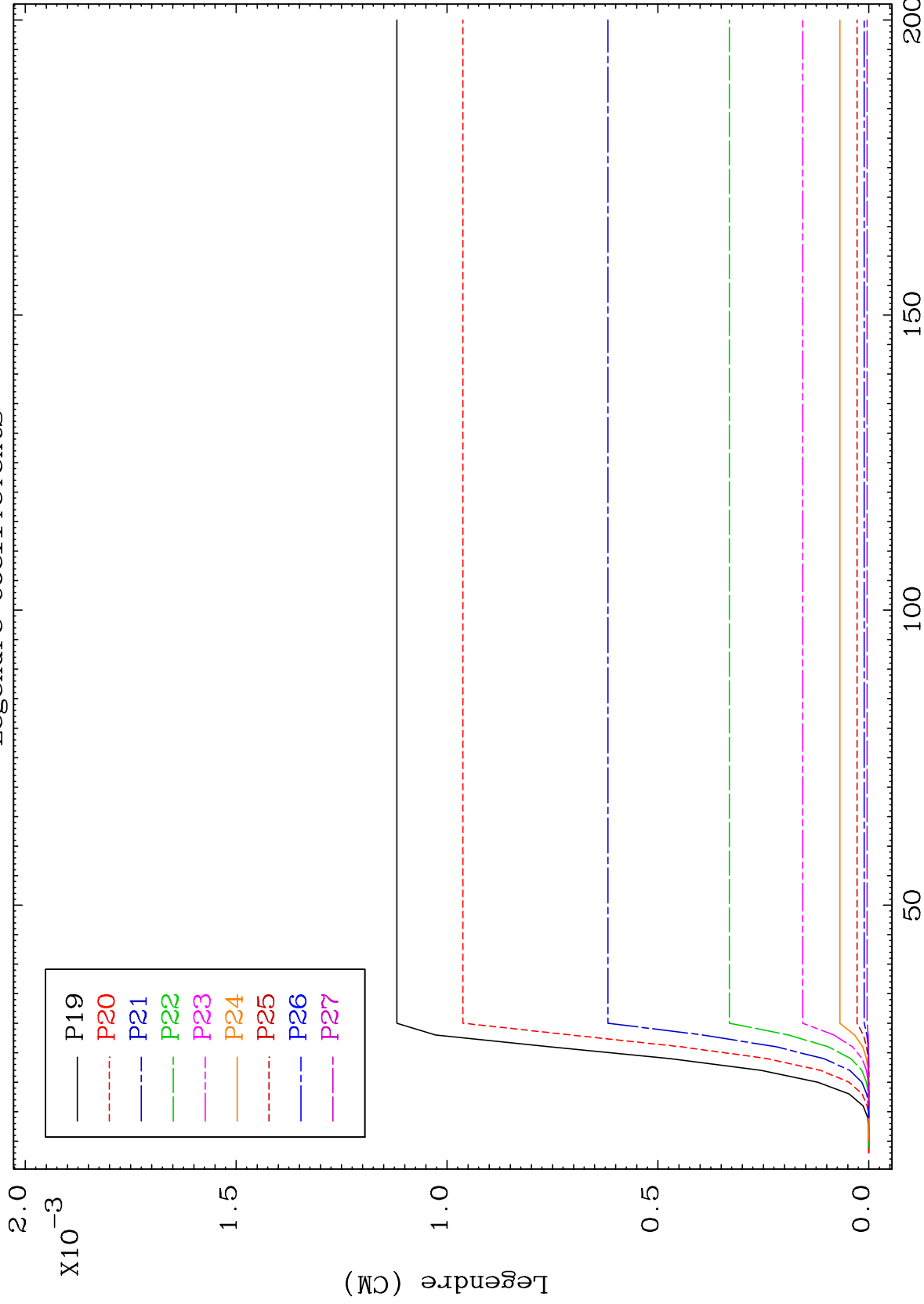
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



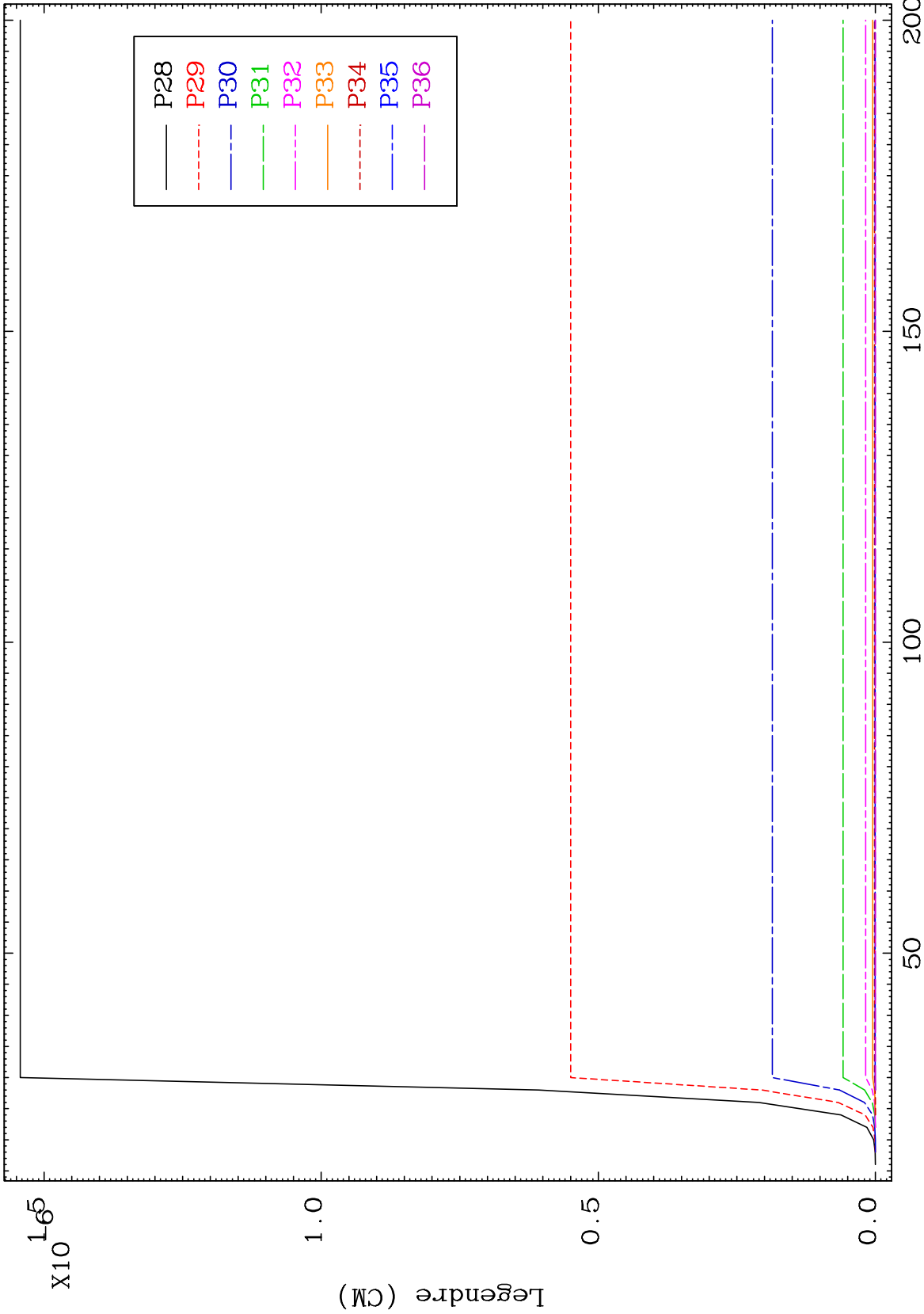
69

54-Xe-128

MAT 5437

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

54-Xe-128



70

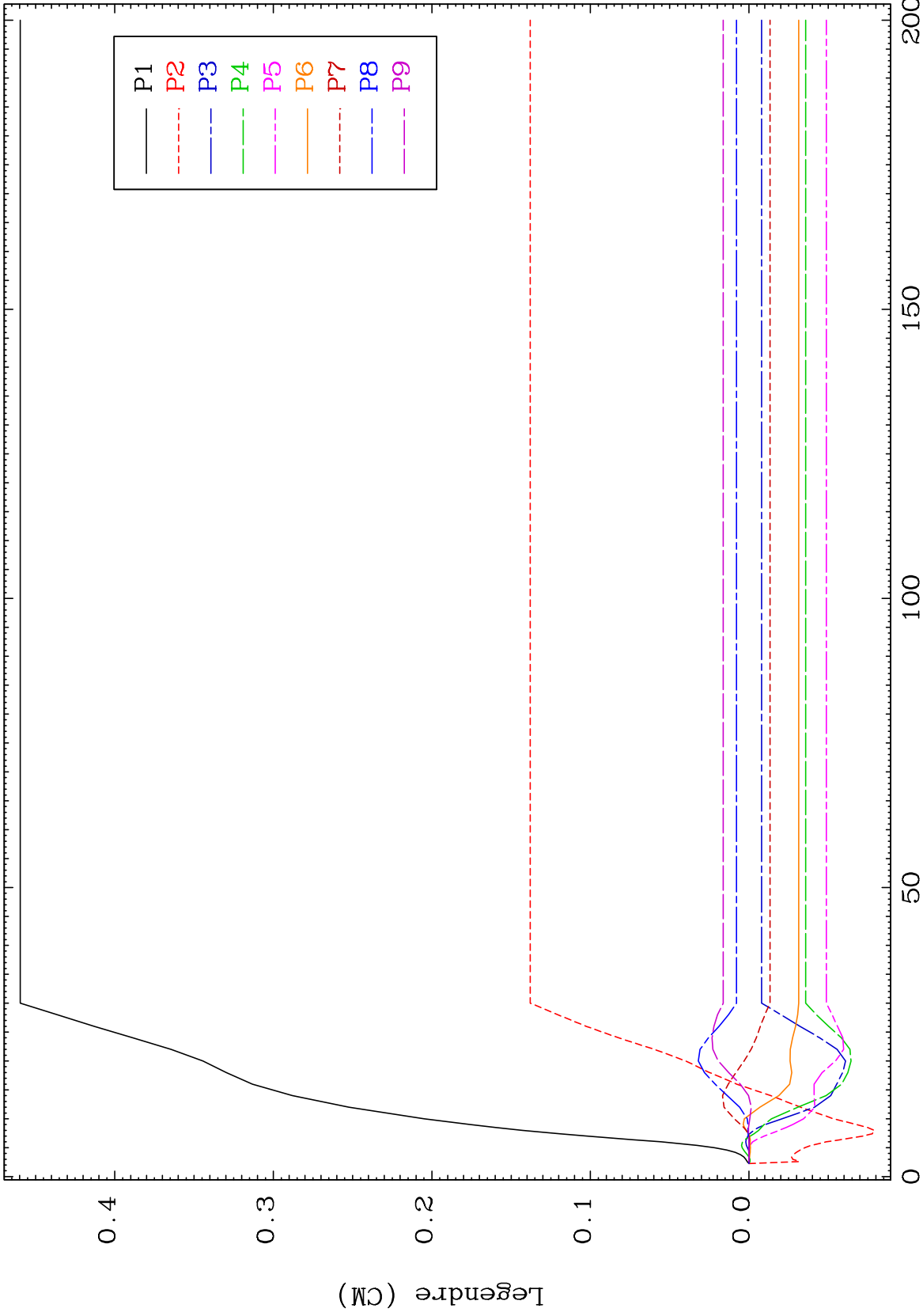
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



71

Incident Energy (MeV)

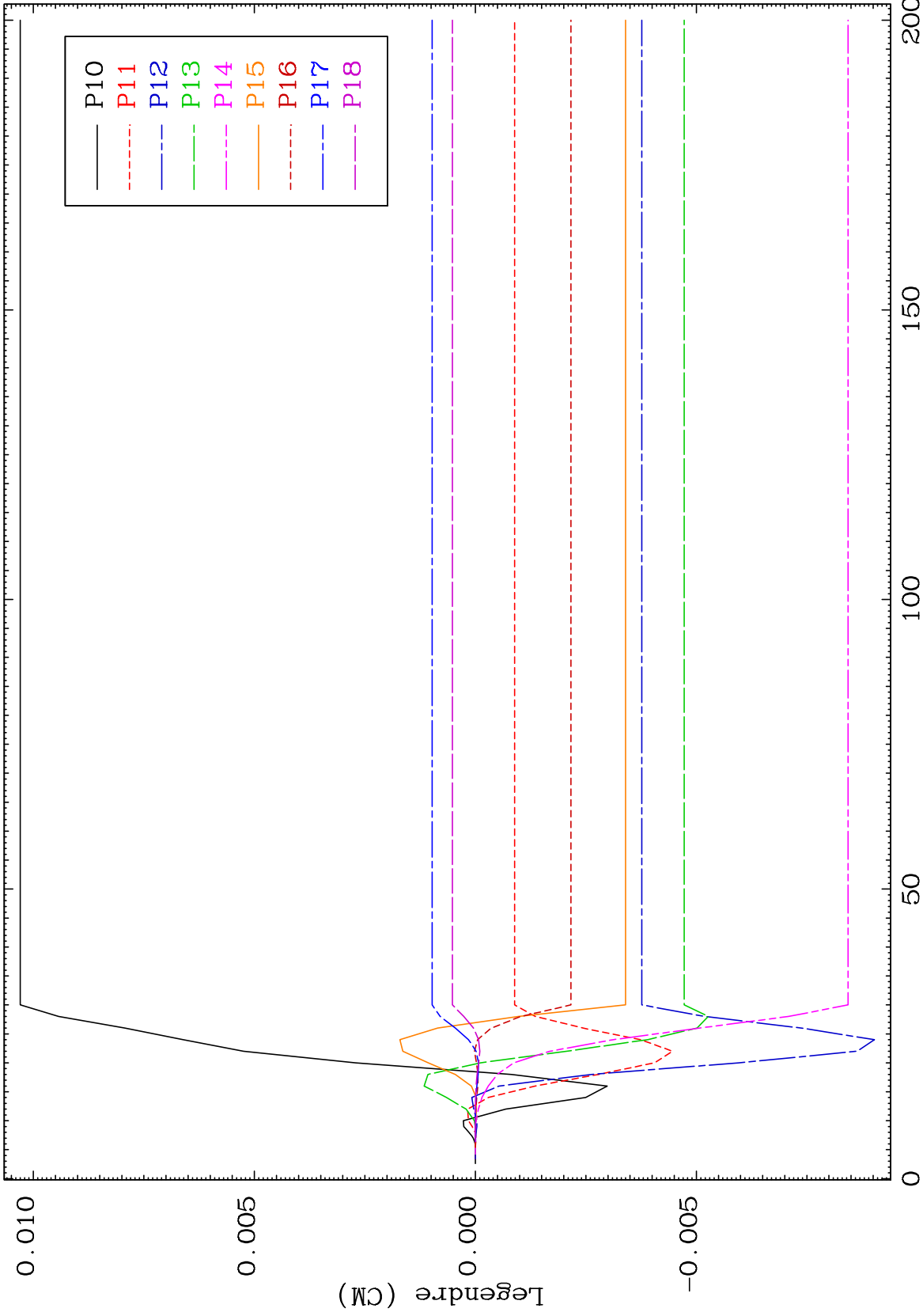
54-Xe-128



MAT 5437

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

54-Xe-128



72

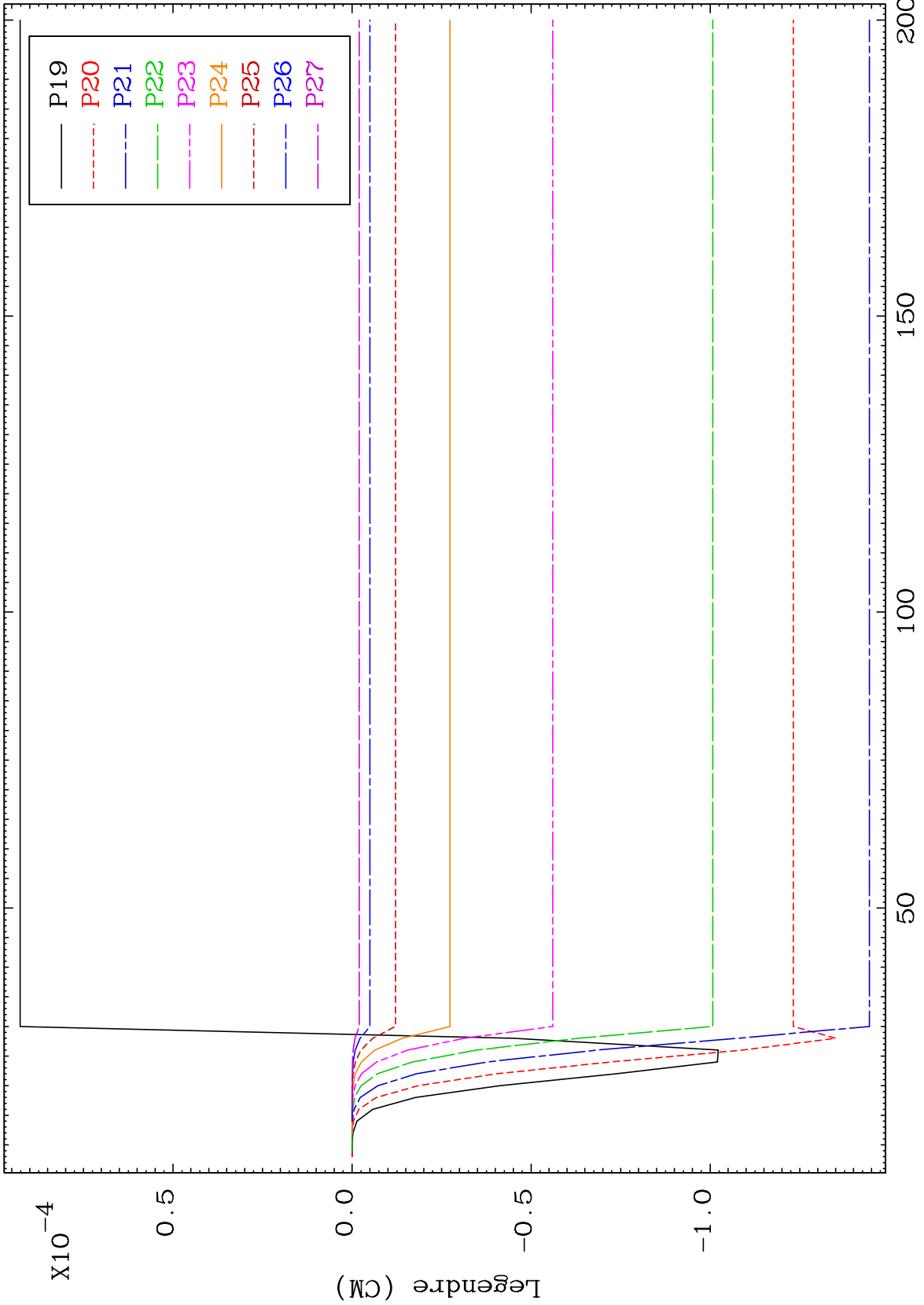
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



73

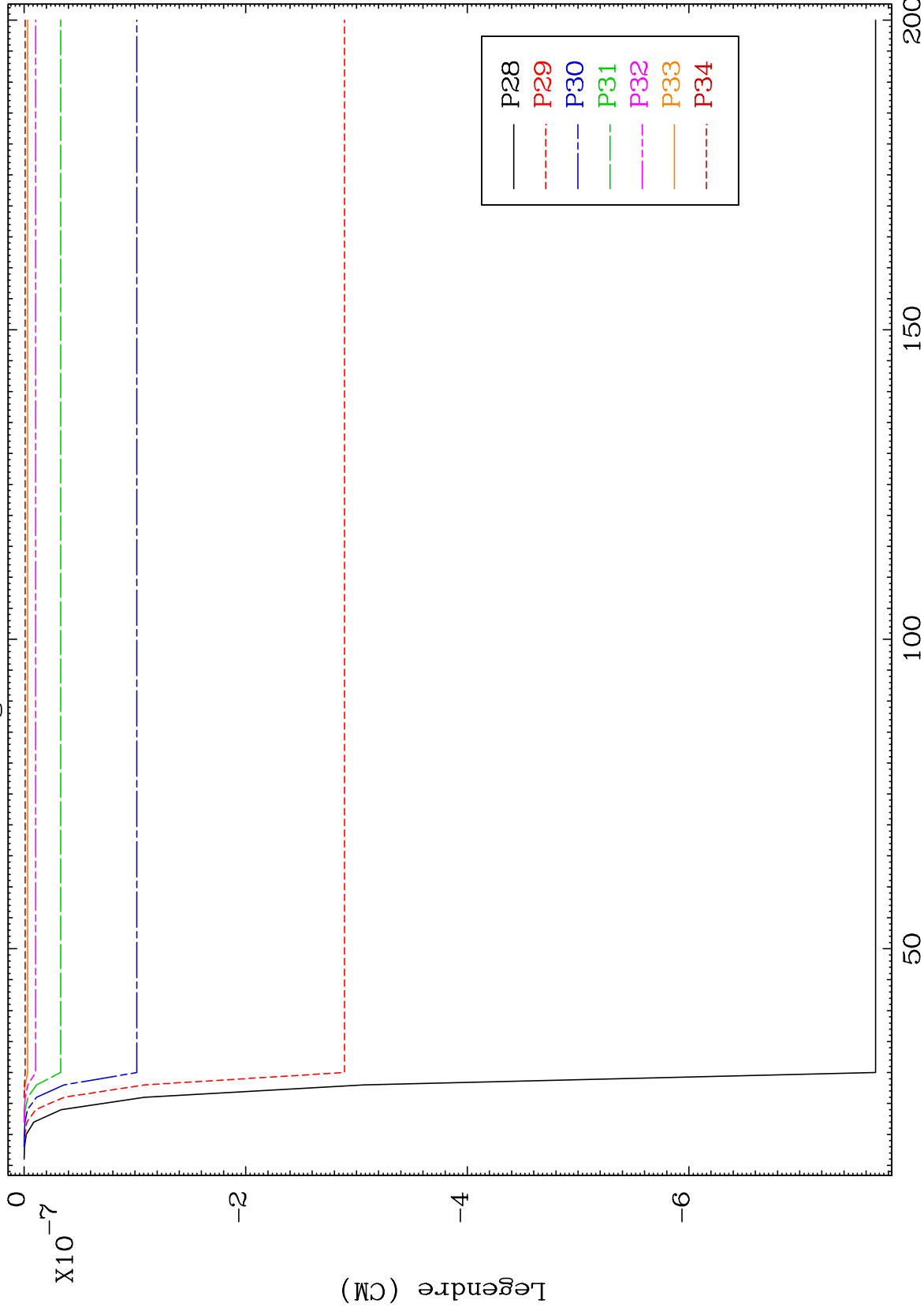
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



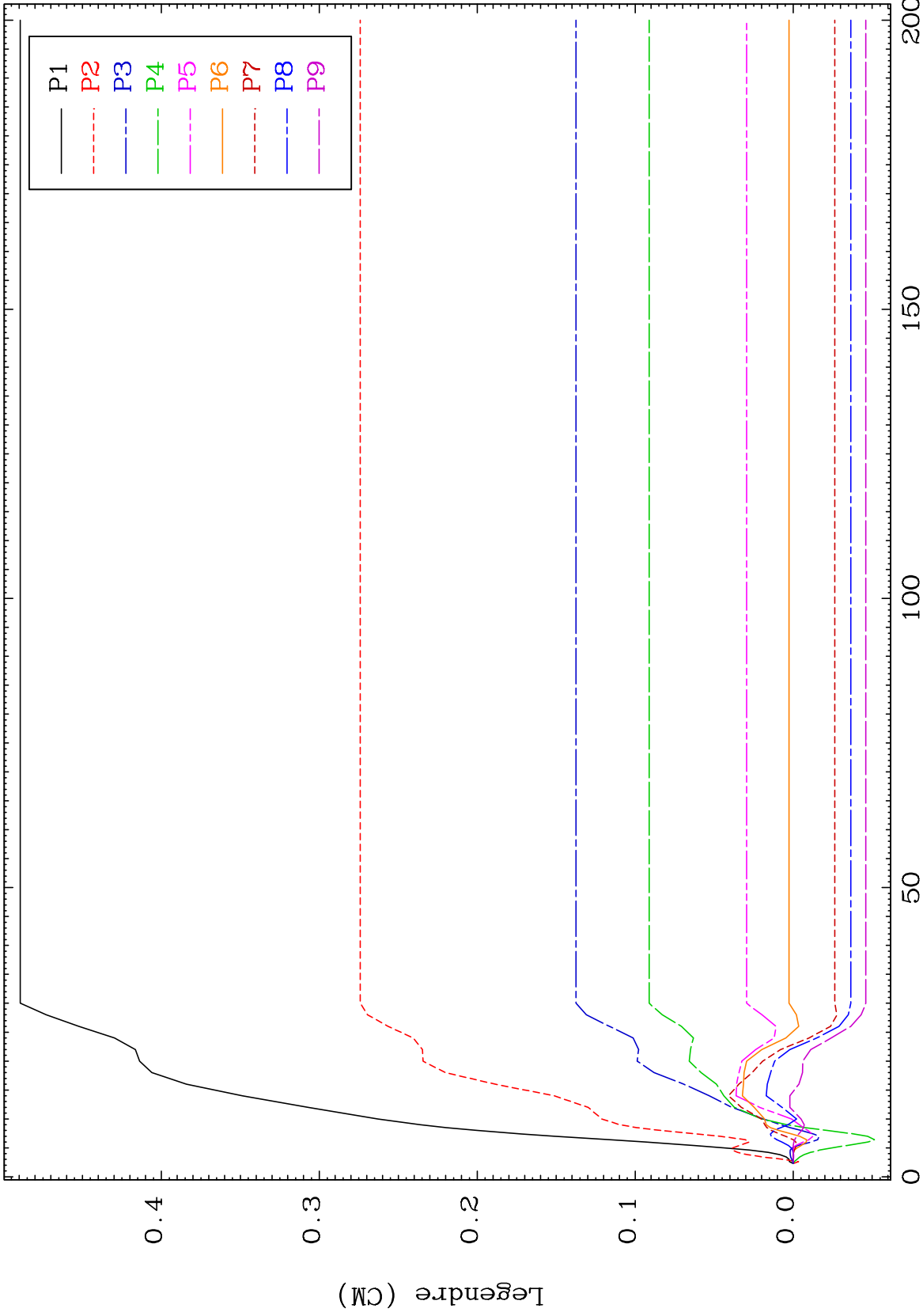
74

54-Xe-128

MAT 5437

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

54-Xe-128



75

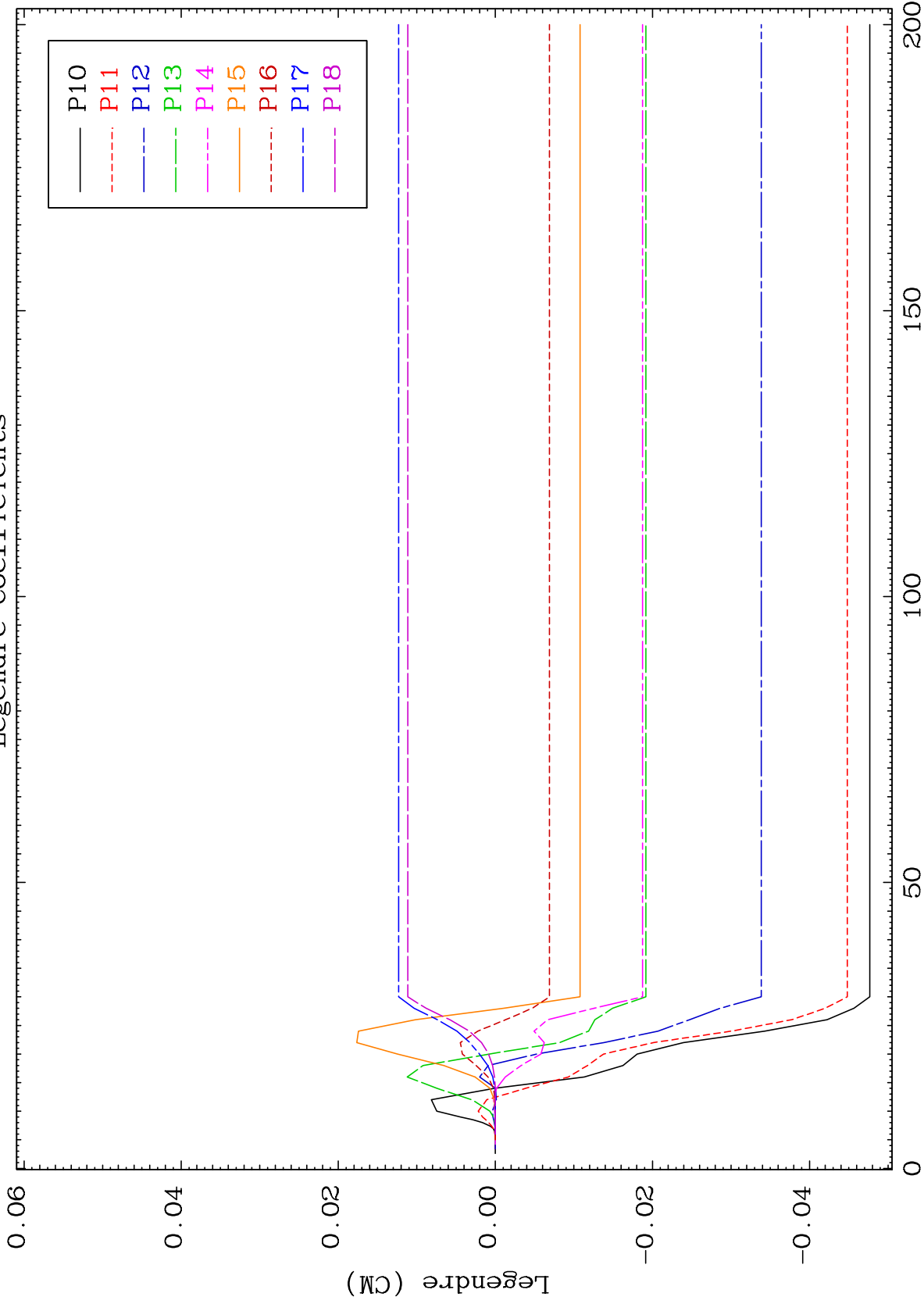
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



76

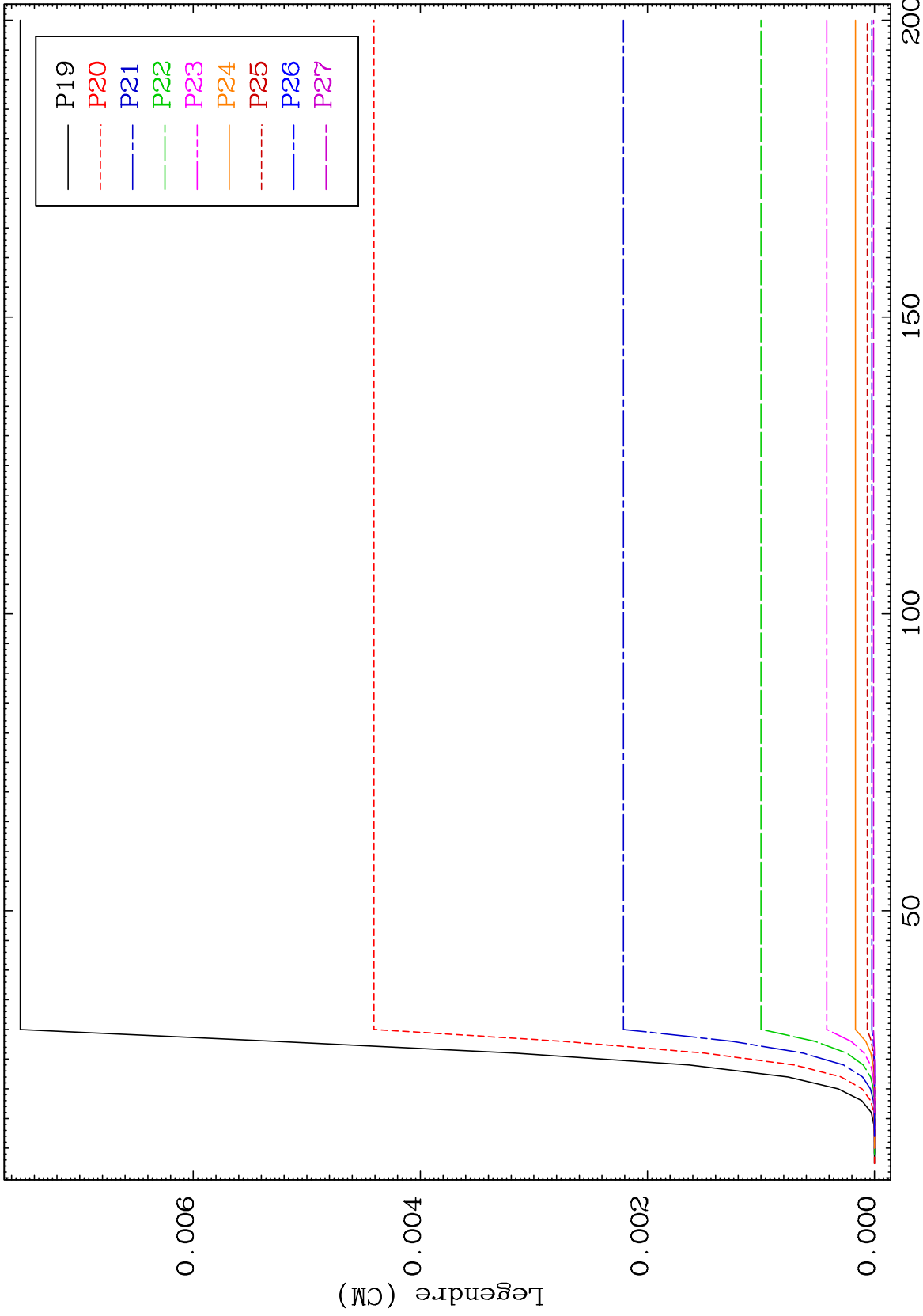
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



77

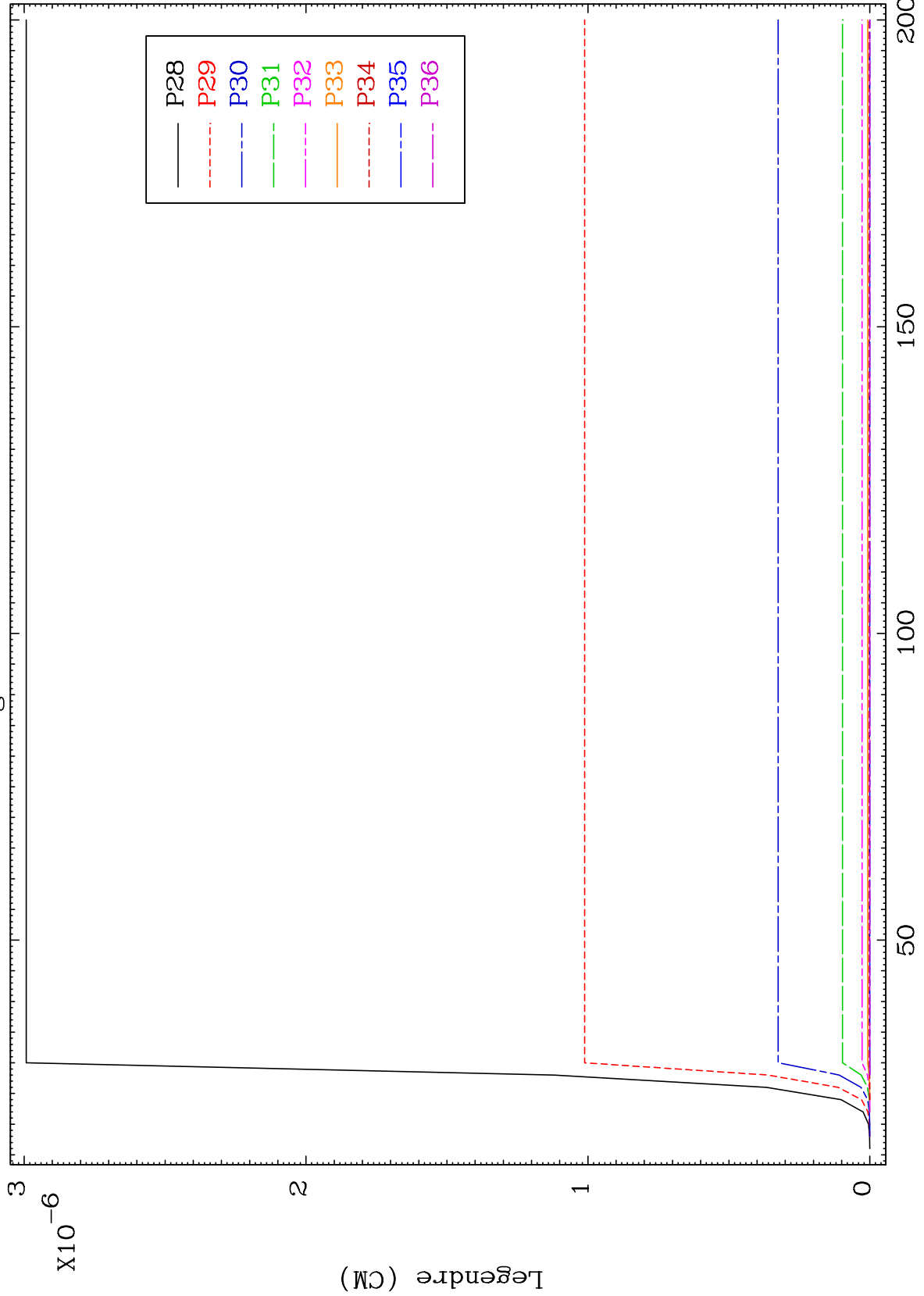
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



78

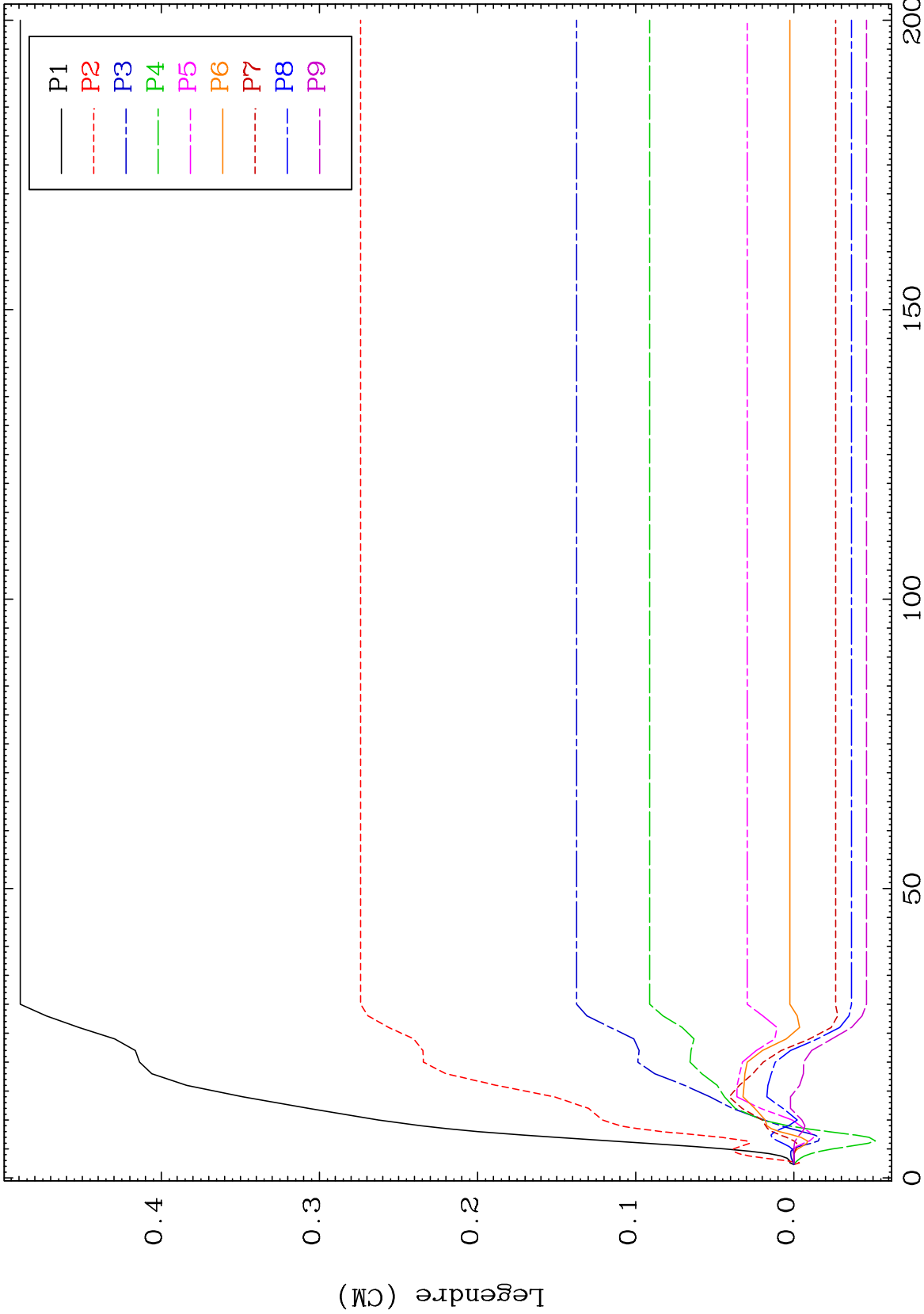
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



79

Incident Energy (MeV)

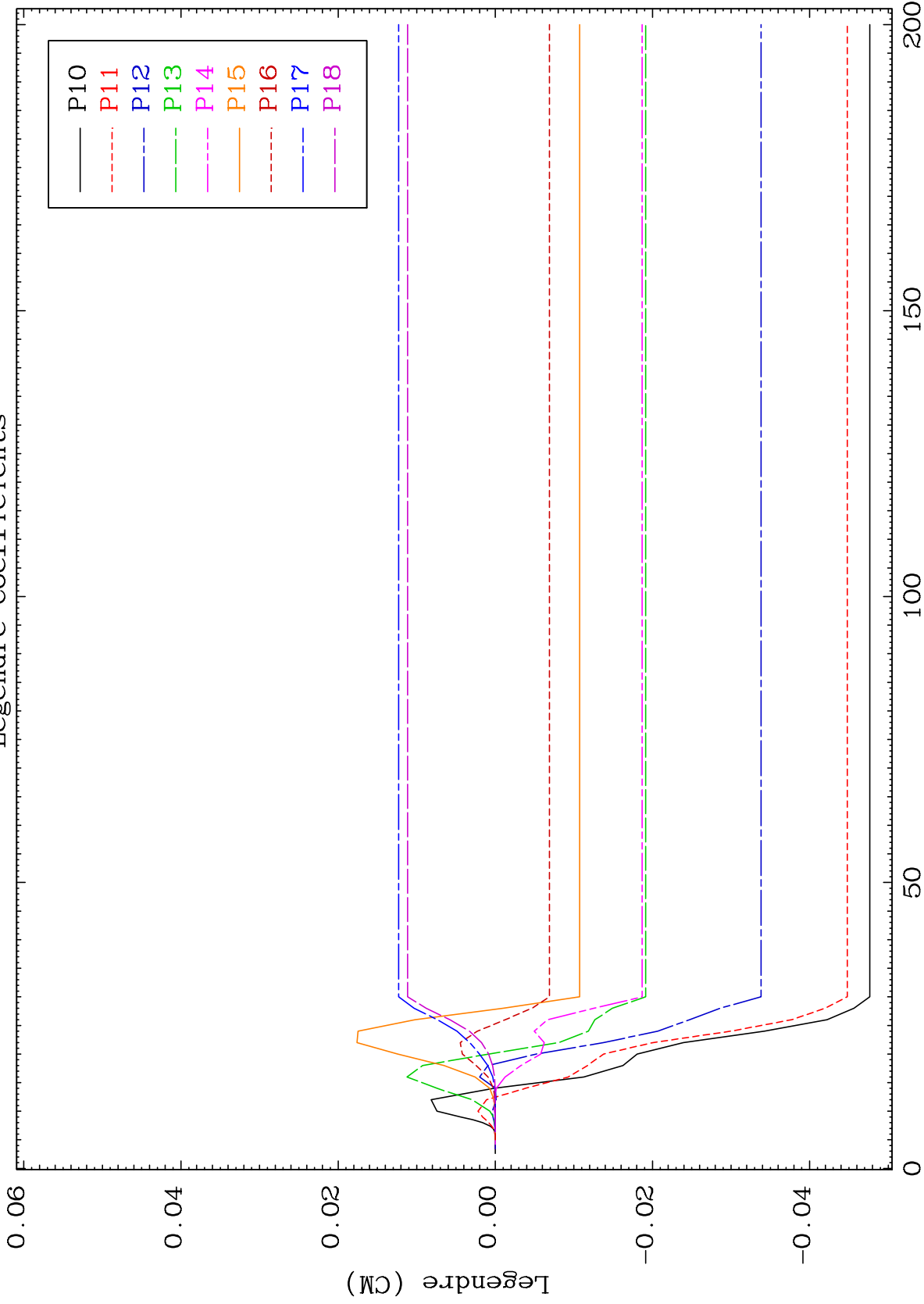
54-Xe-128



MAT 5437

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

54-Xe-128



80

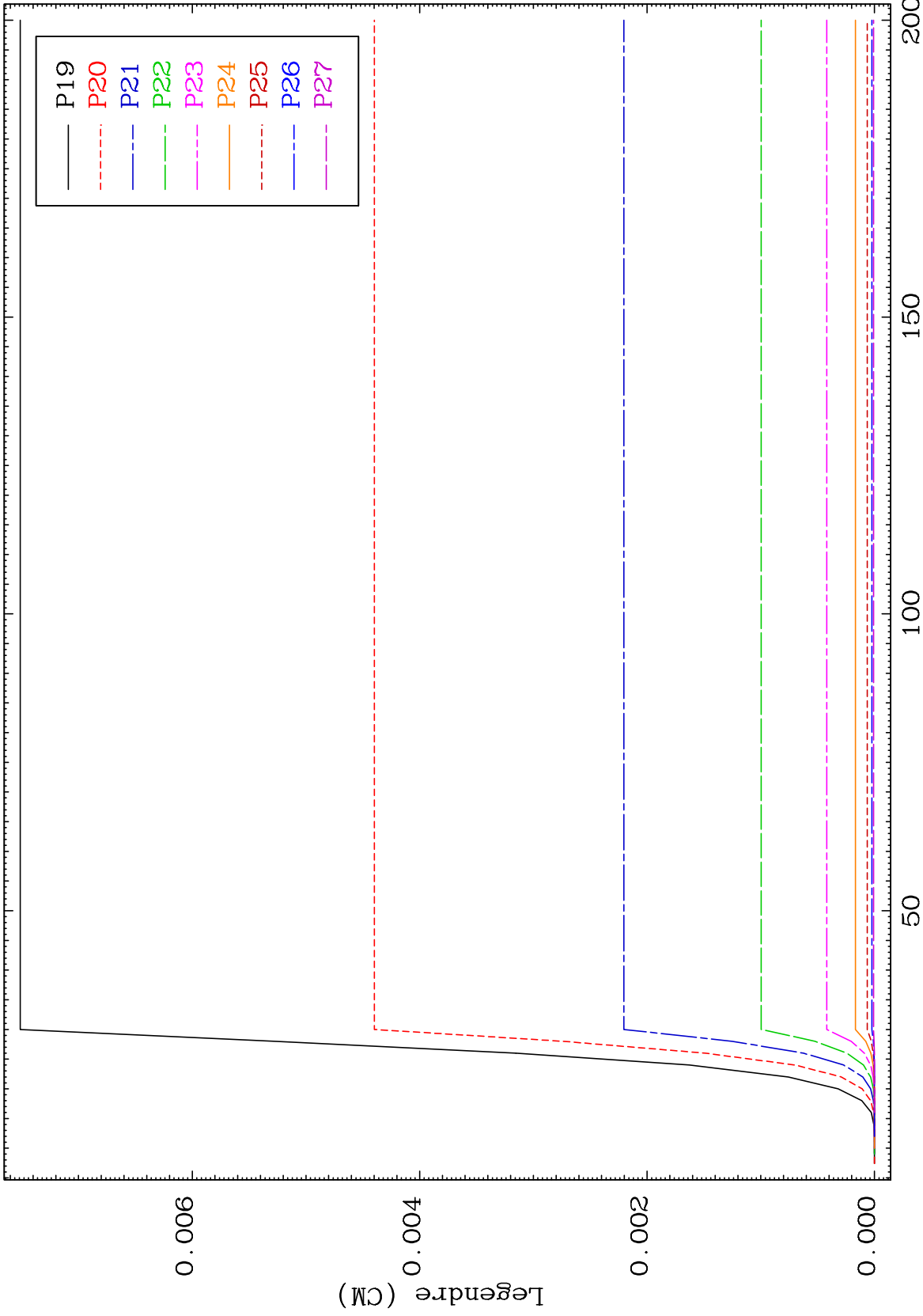
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



81

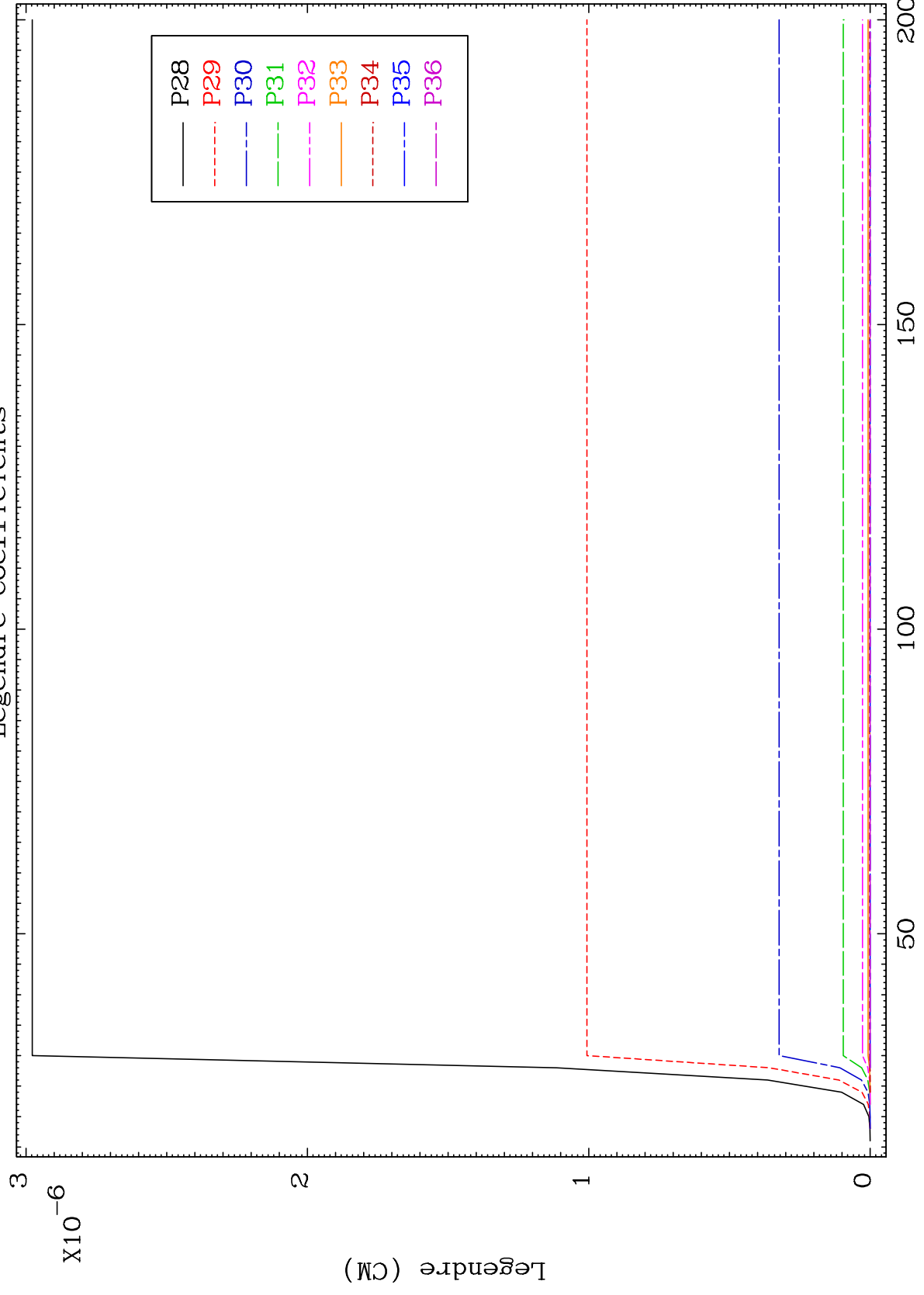
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



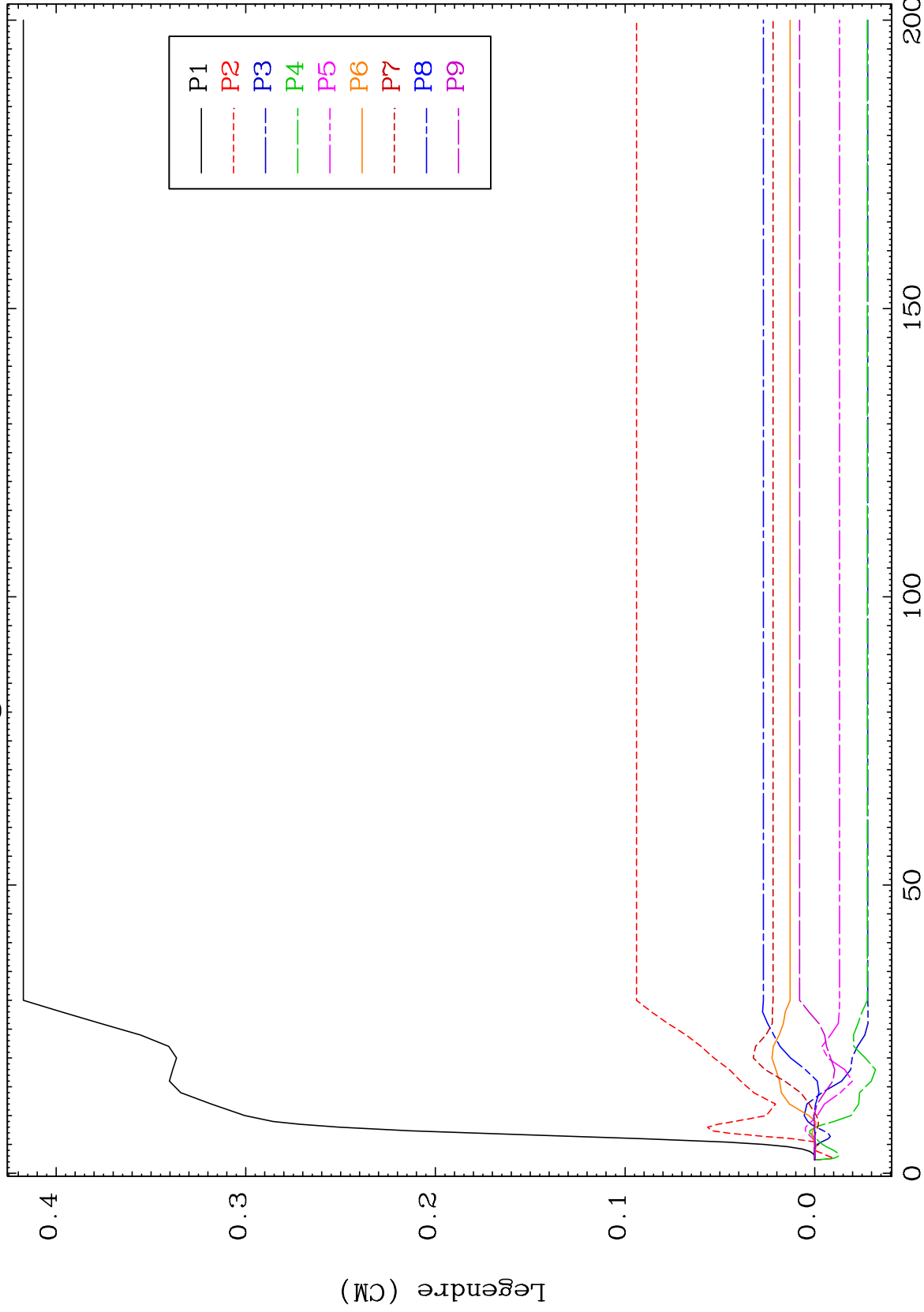
82

54-Xe-128

MAT 5437

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

54-Xe-128



83

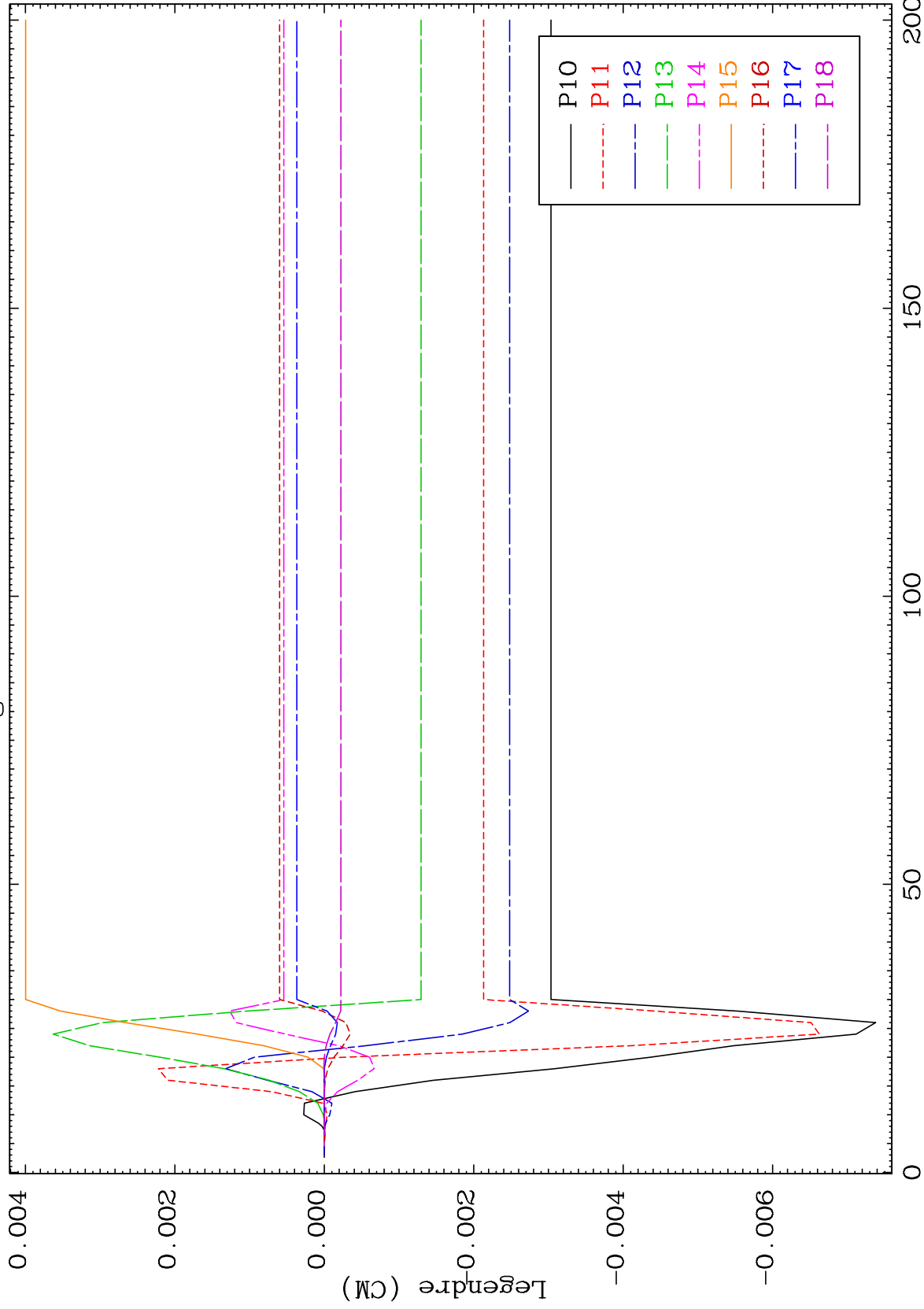
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



84

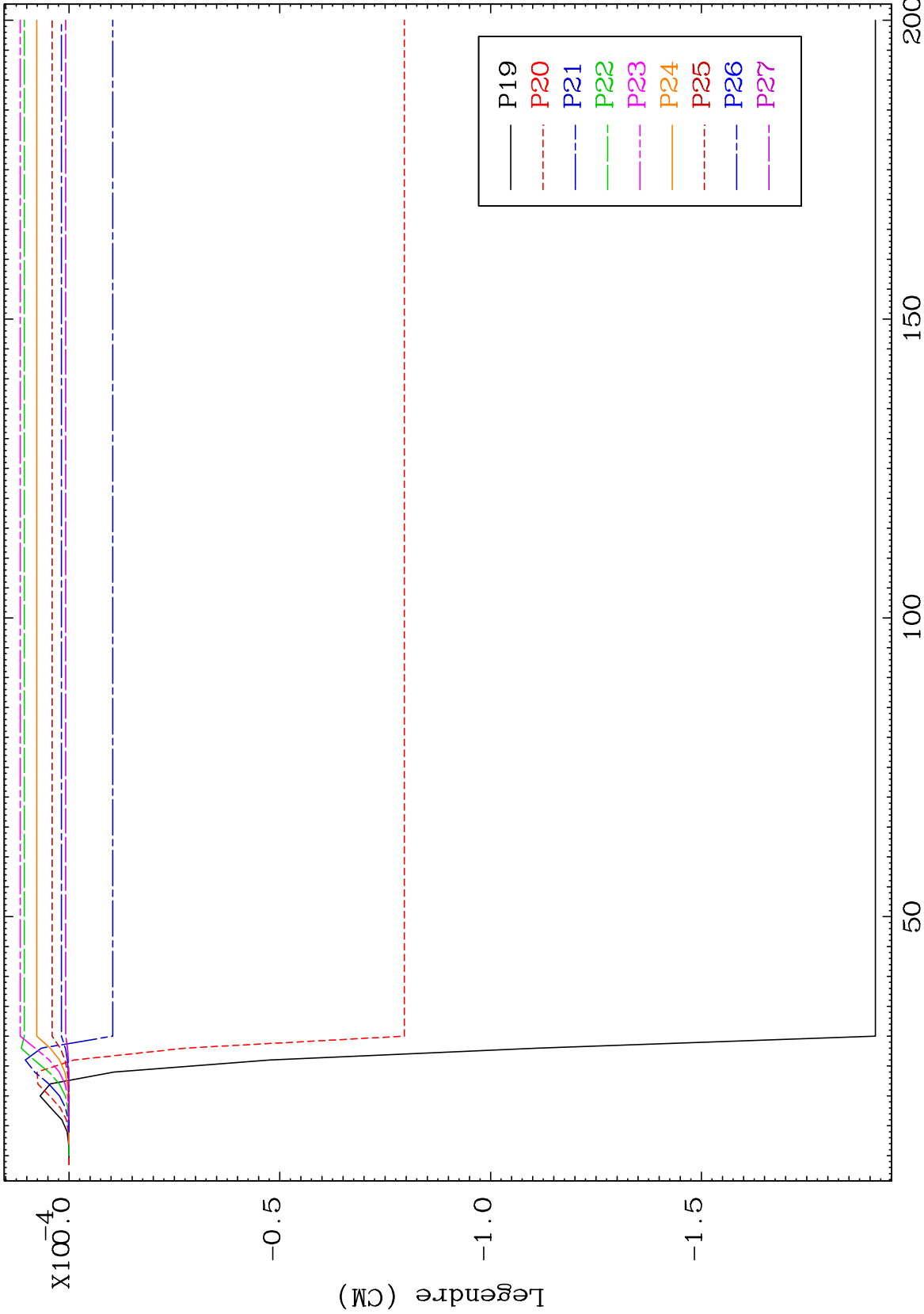
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



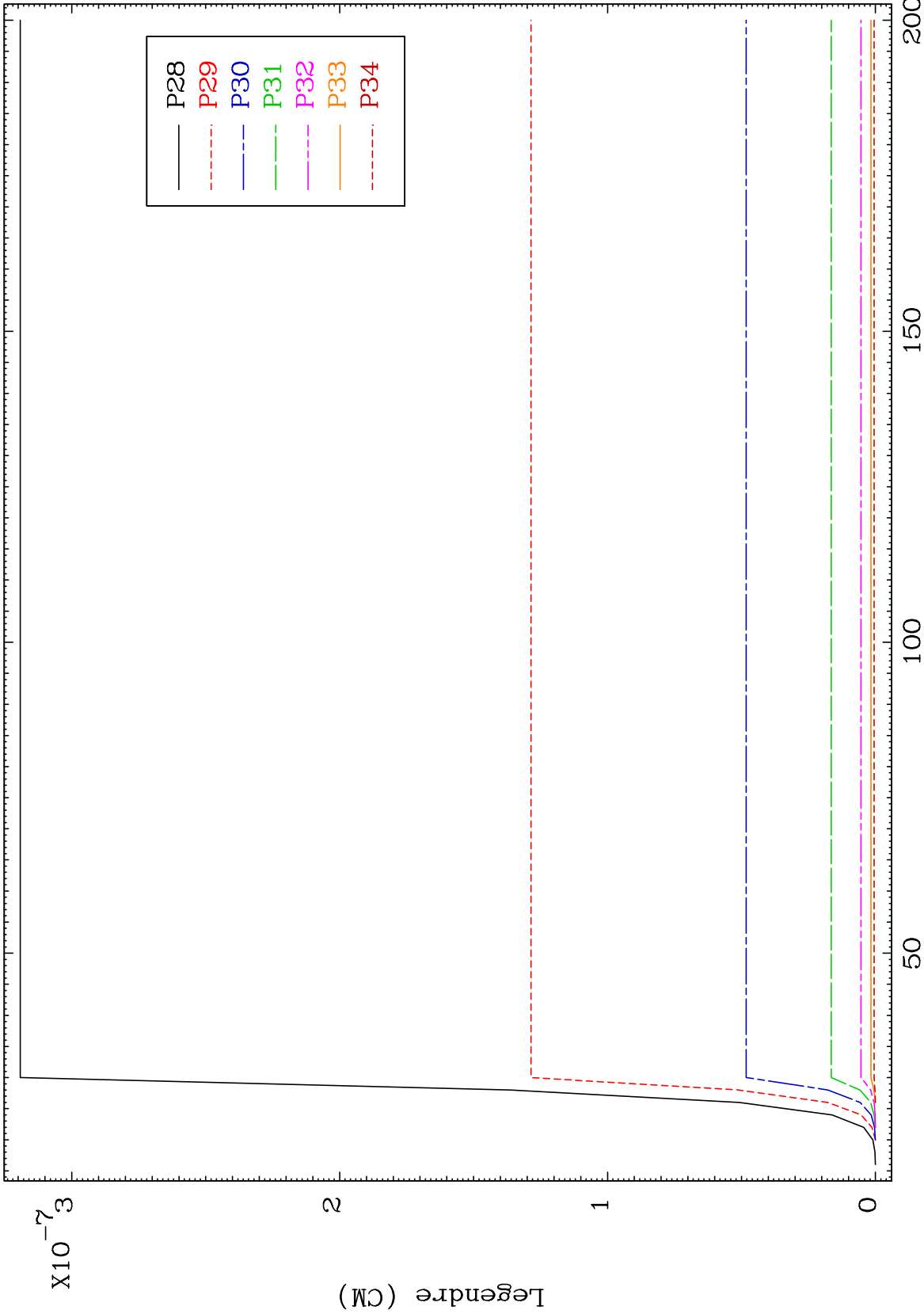
85

54-Xe-128

MAT 5437

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

54-Xe-128



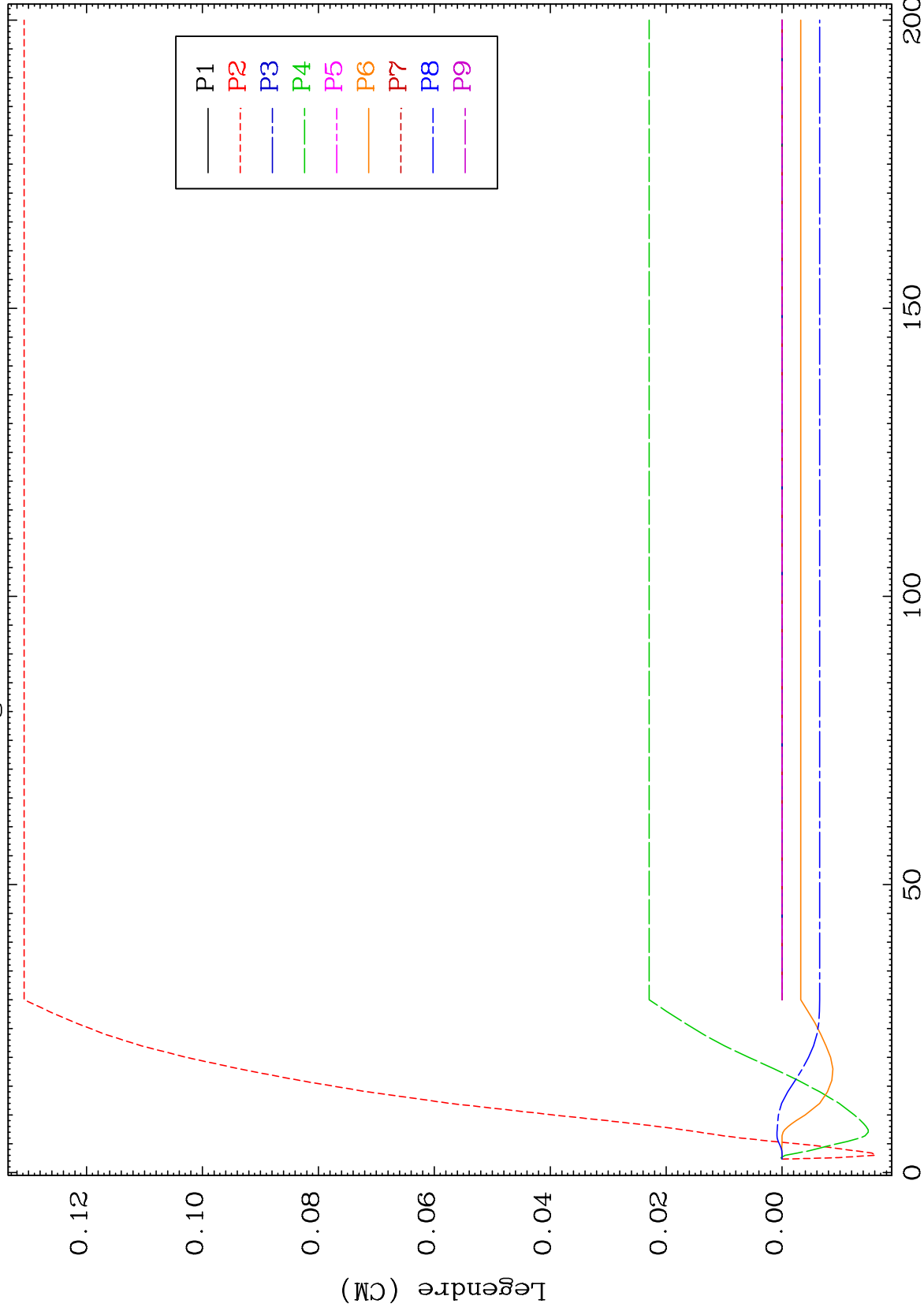
86

54-Xe-128

MAT 5437

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

54-Xe-128



87

Incident Energy (MeV)

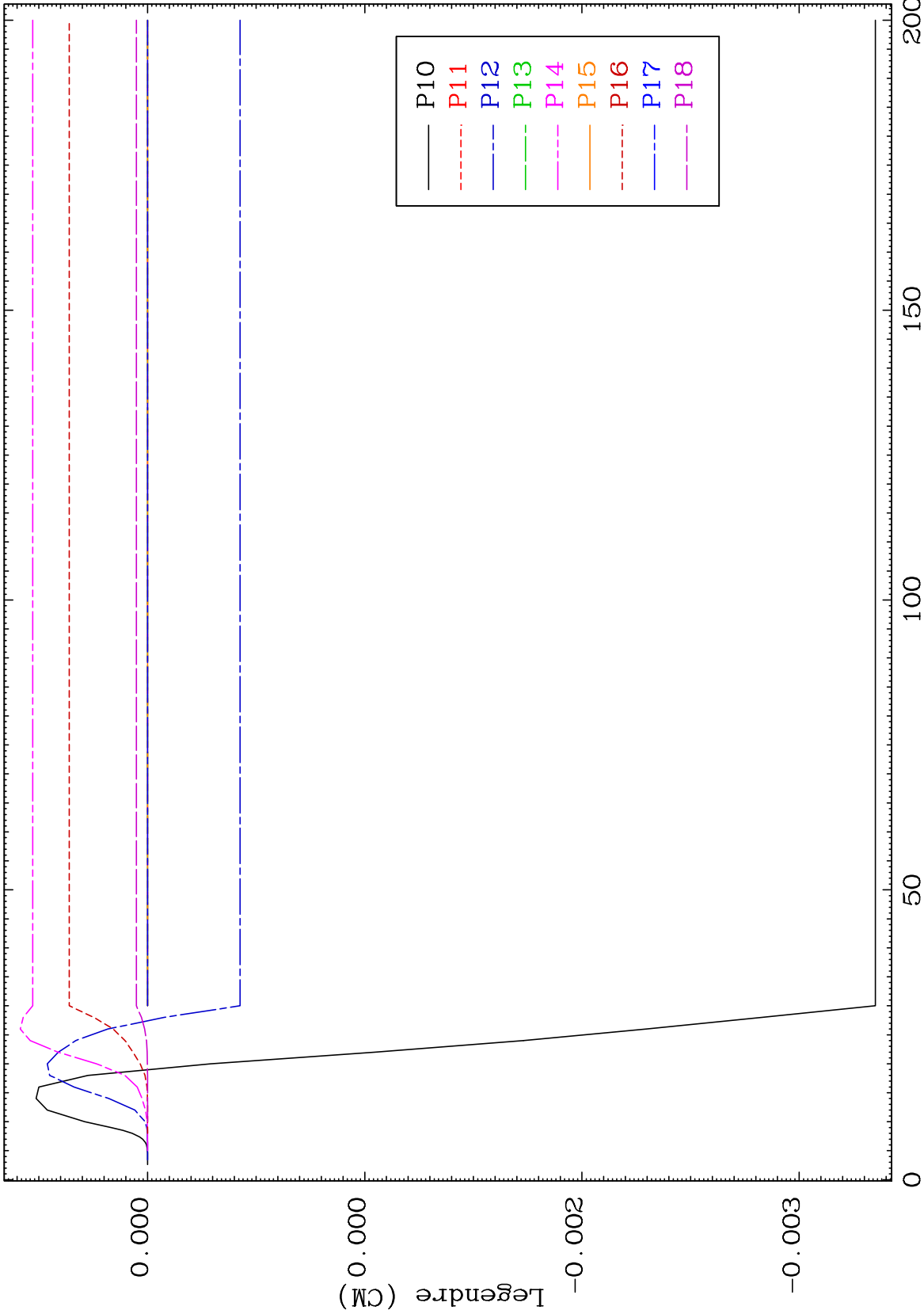
54-Xe-128



MAT 5437

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

54-Xe-128



88

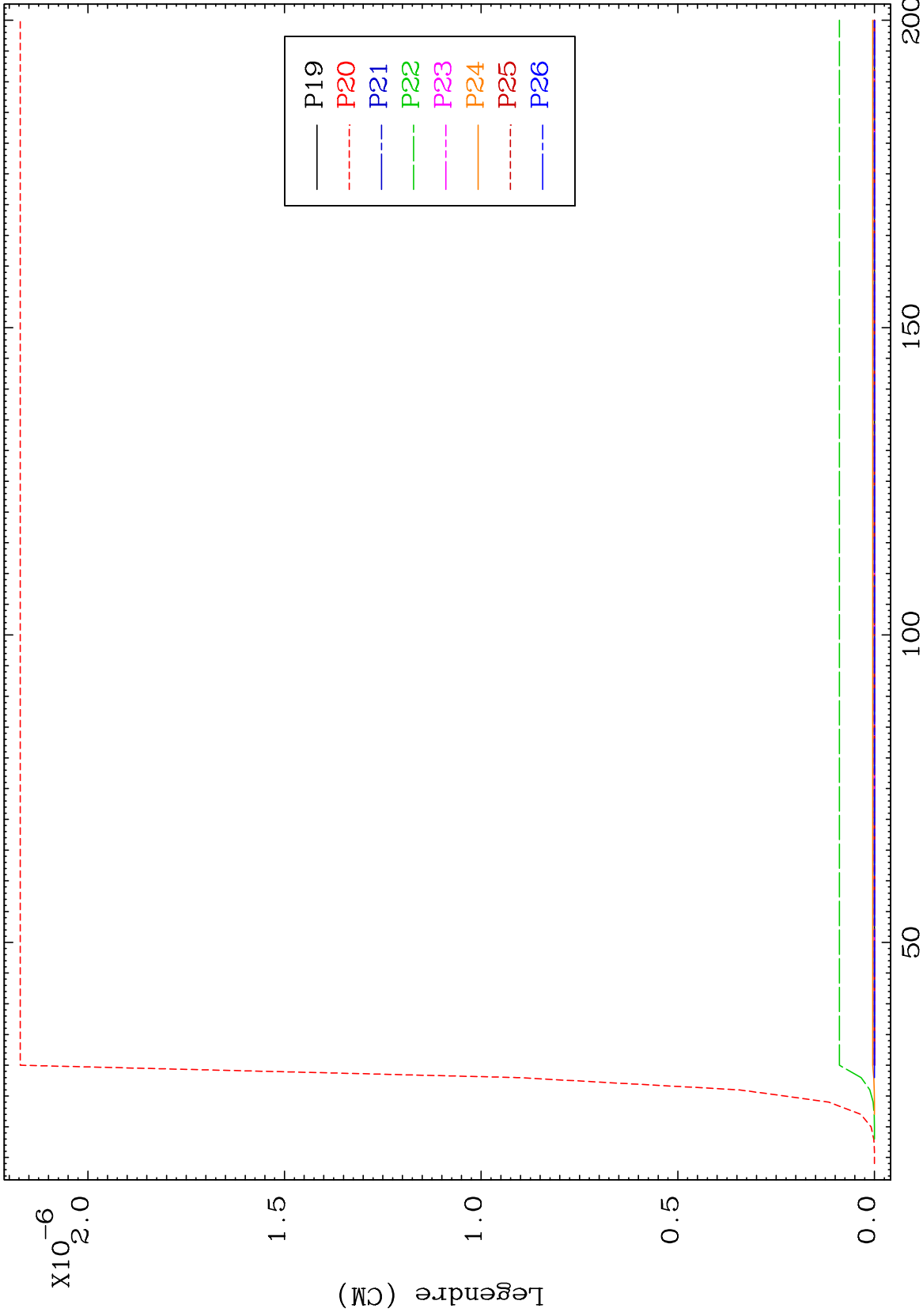
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



89

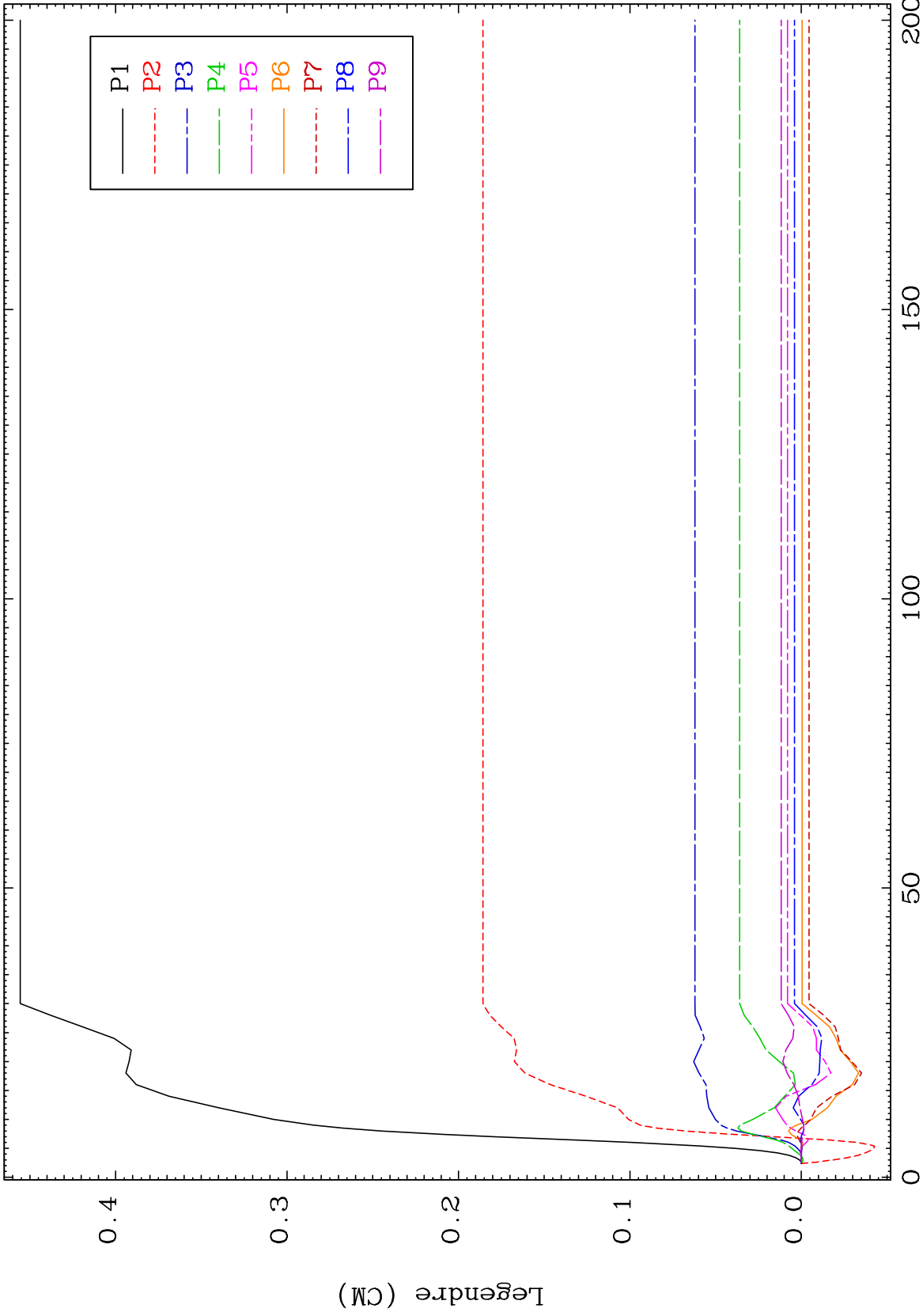
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



90

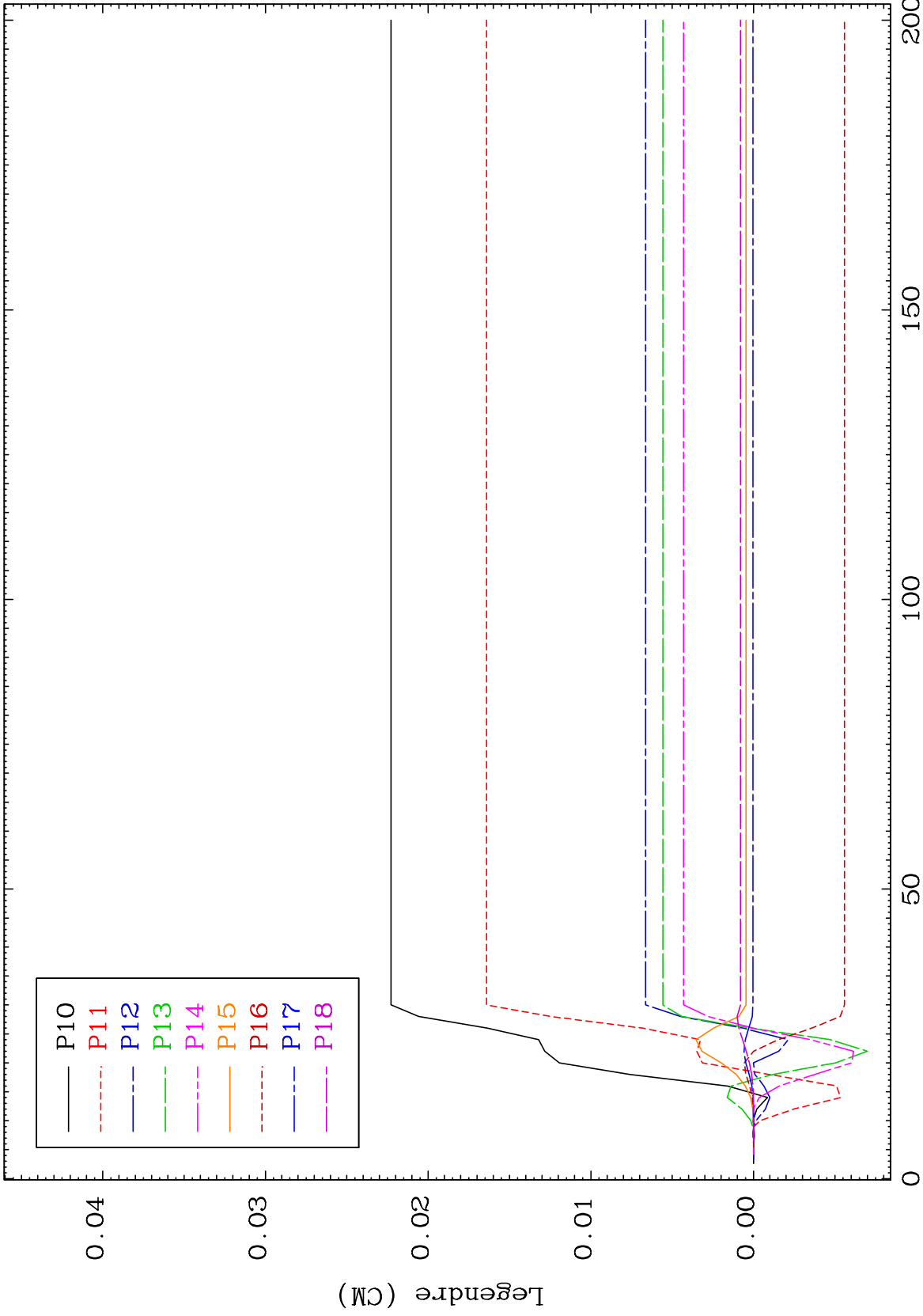
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



91

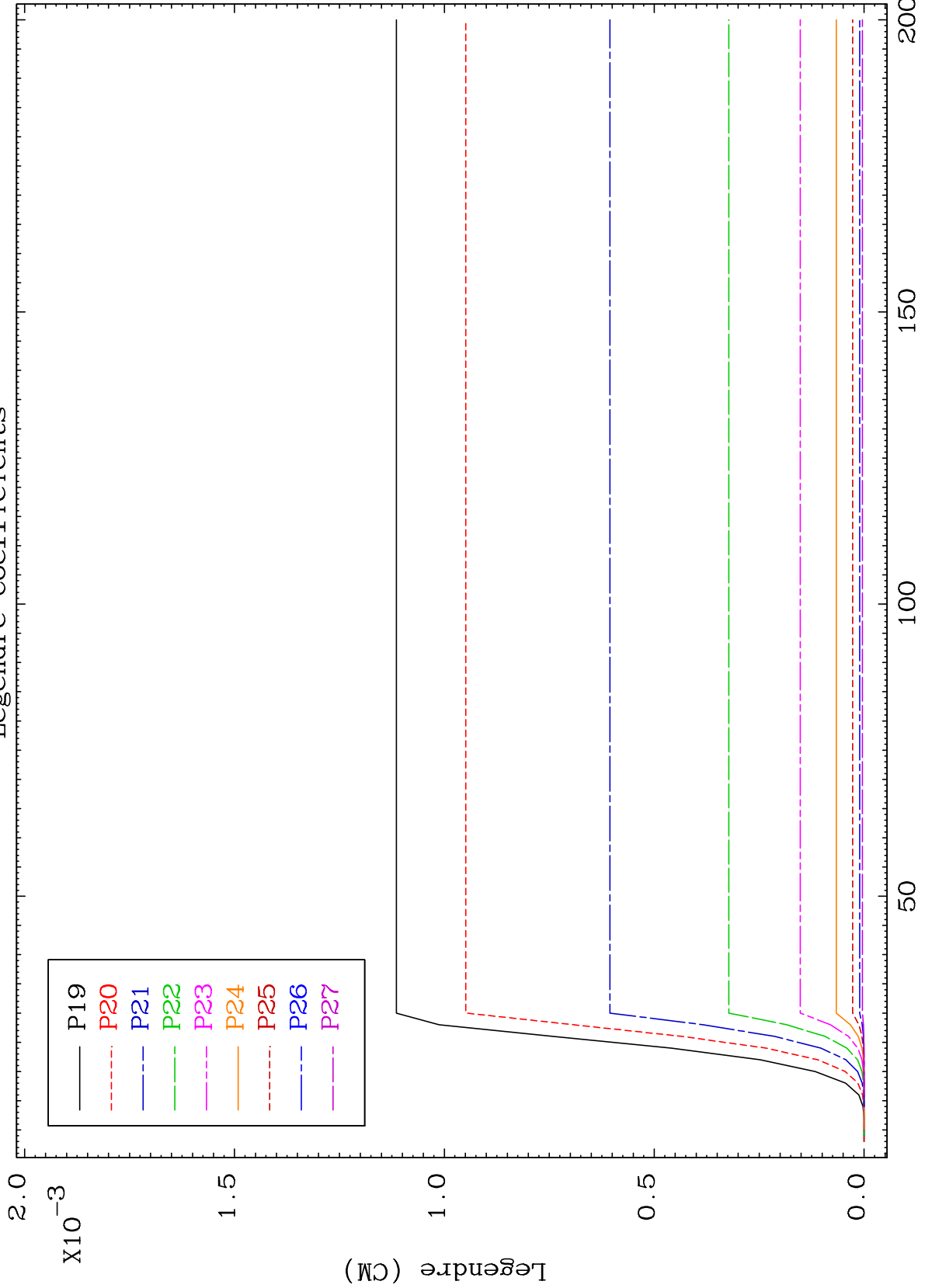
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



92

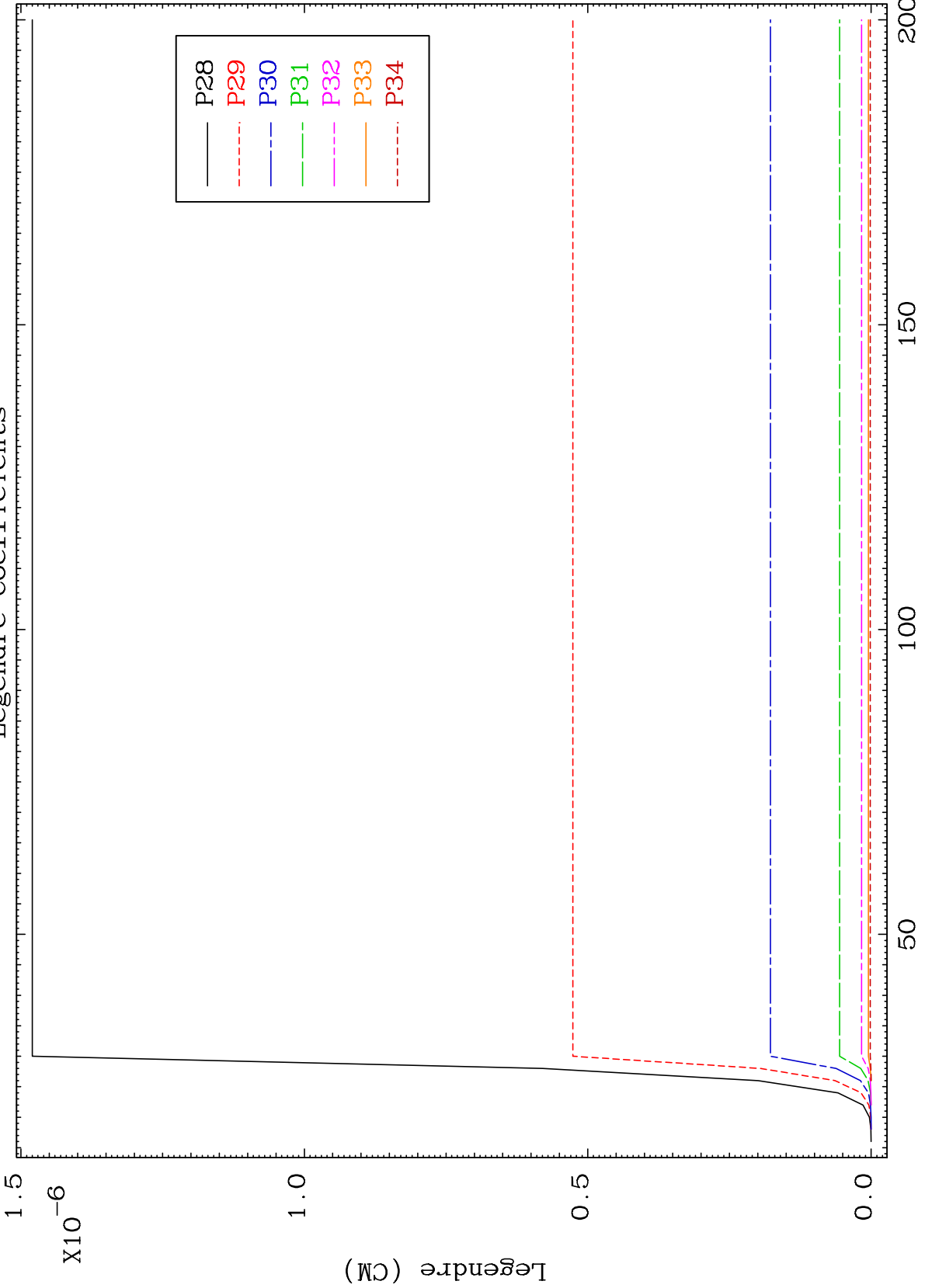
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



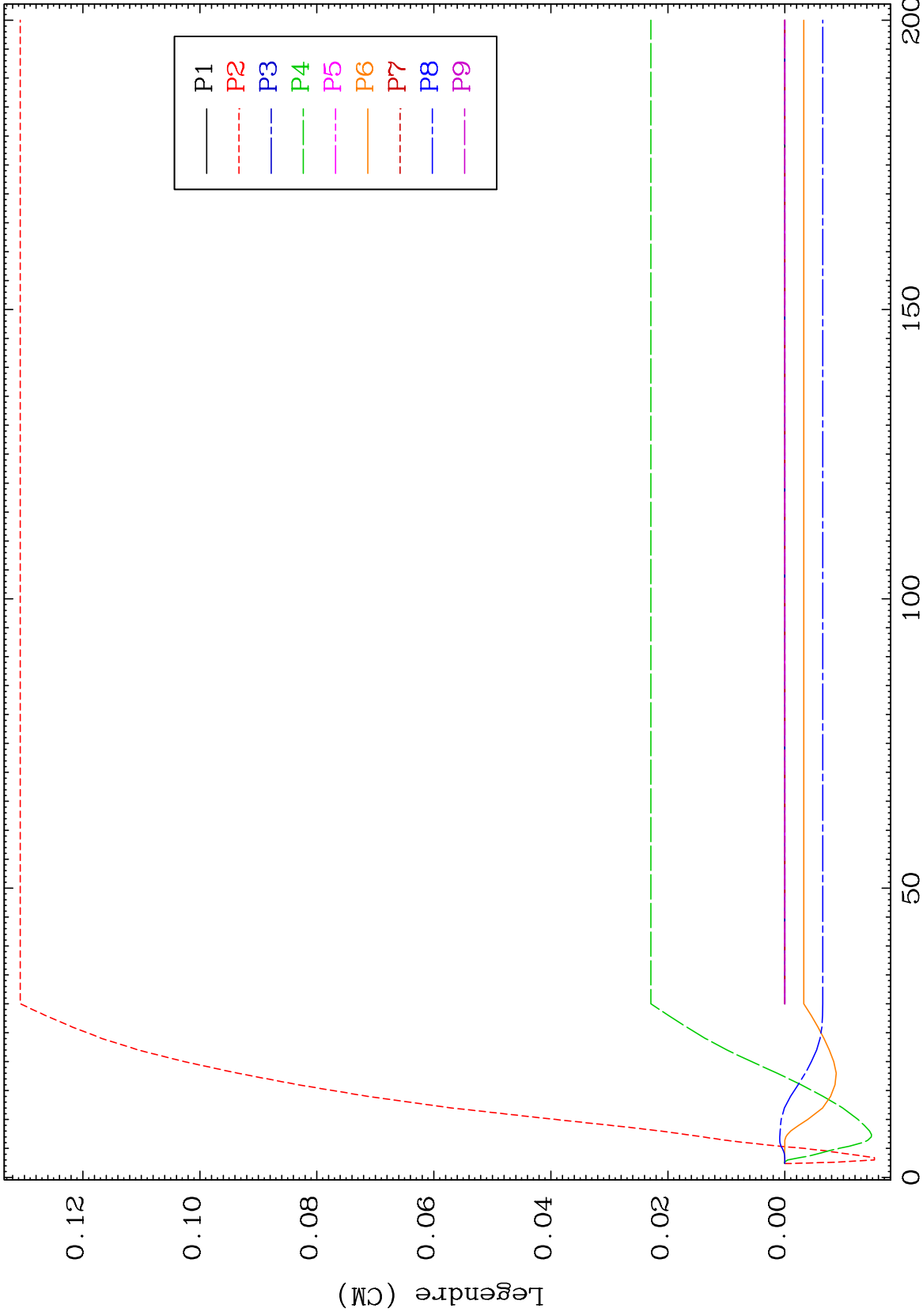
93

54-Xe-128

MAT 5437

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

54-Xe-128



94

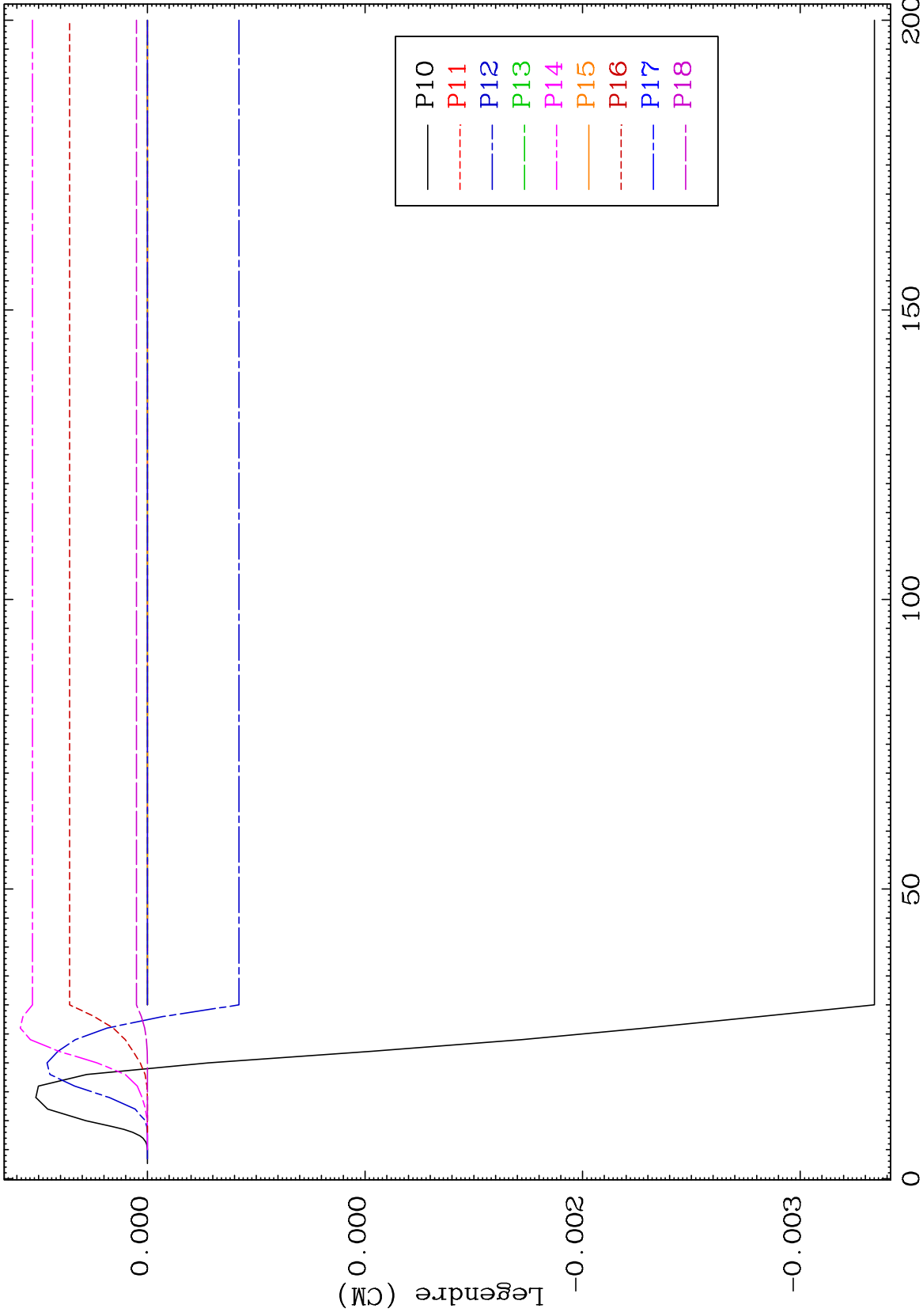
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



95

Incident Energy (MeV)

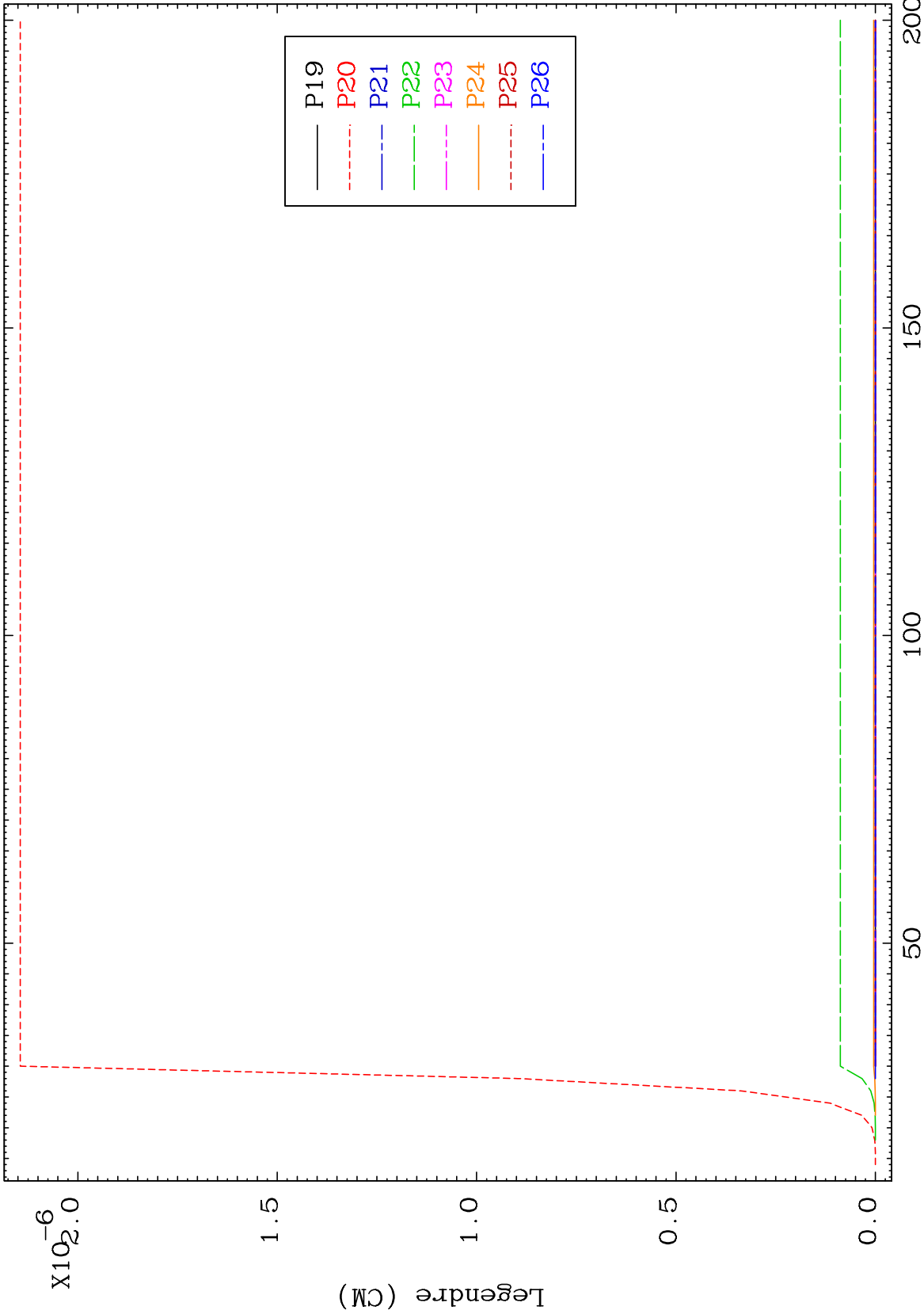
54-Xe-128



MAT 5437

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

54-Xe-128



96

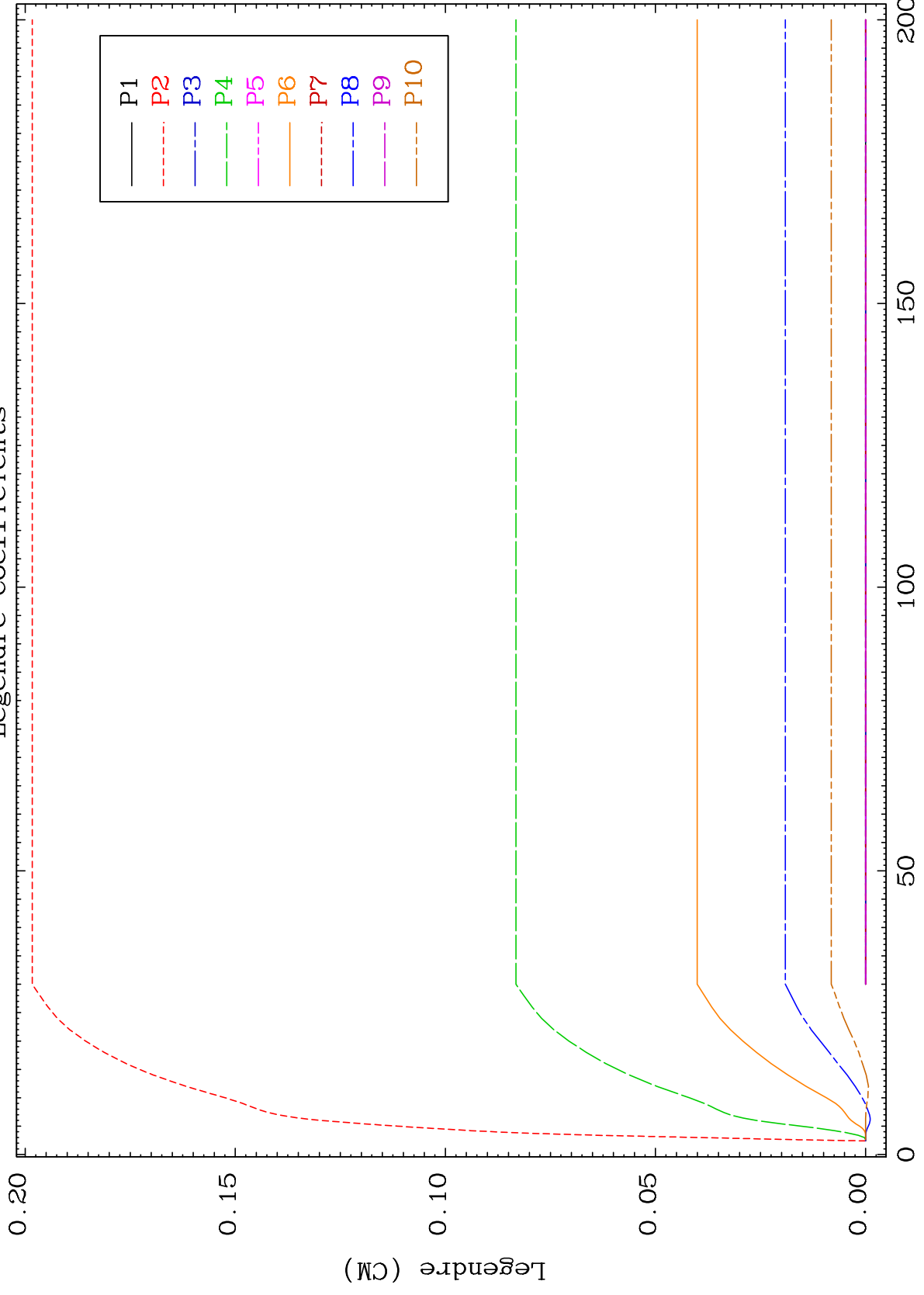
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



97

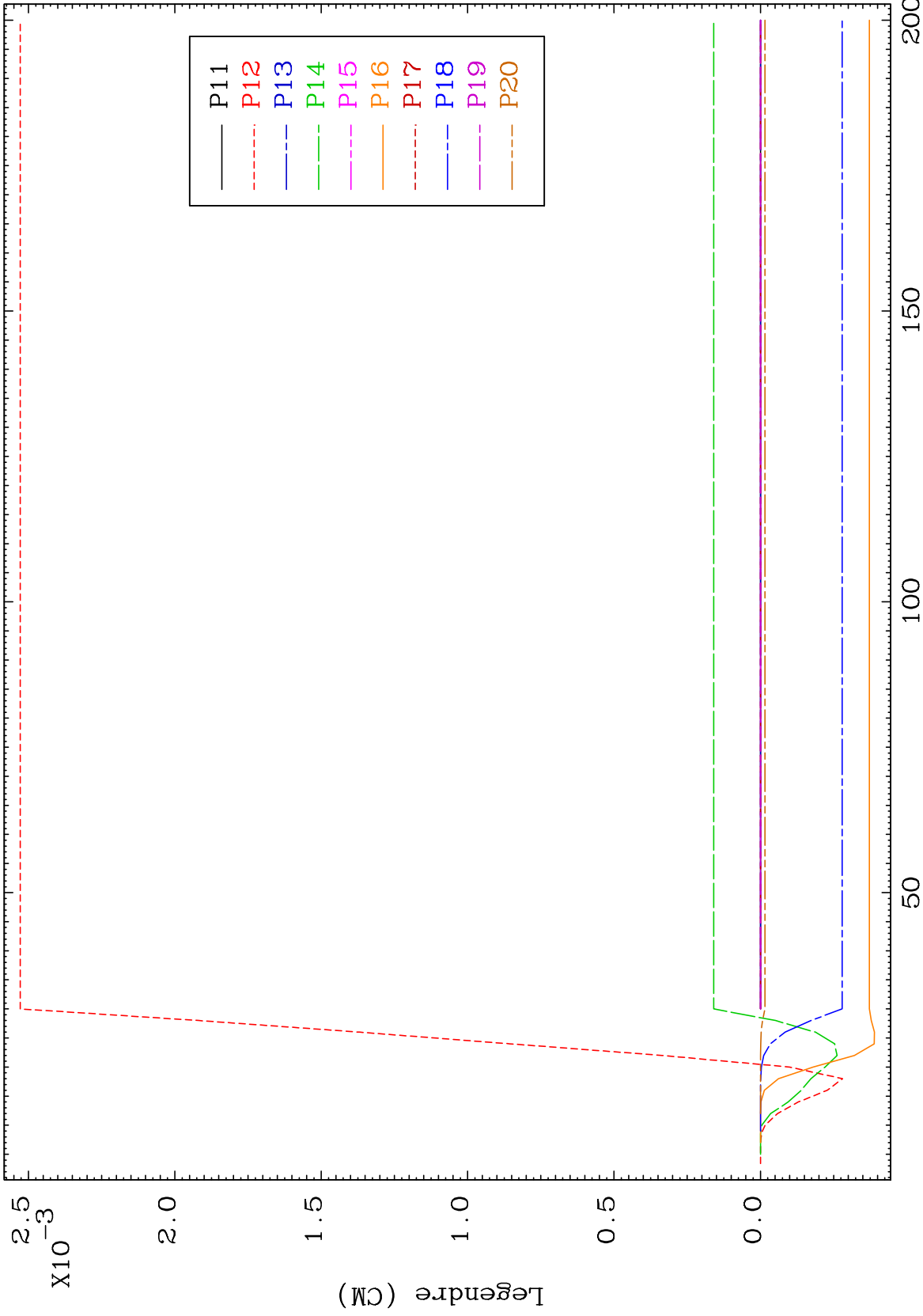
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



98

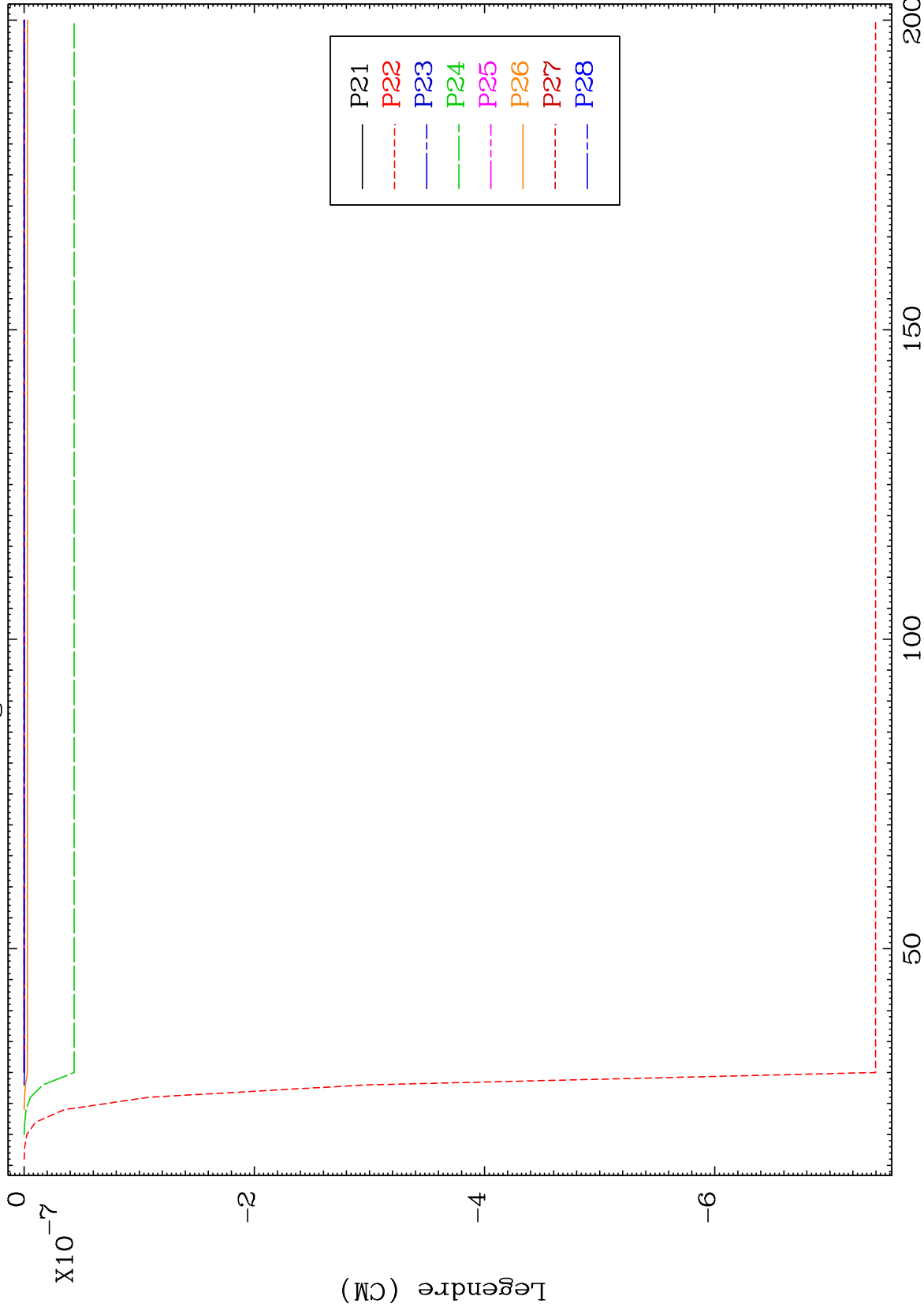
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



99

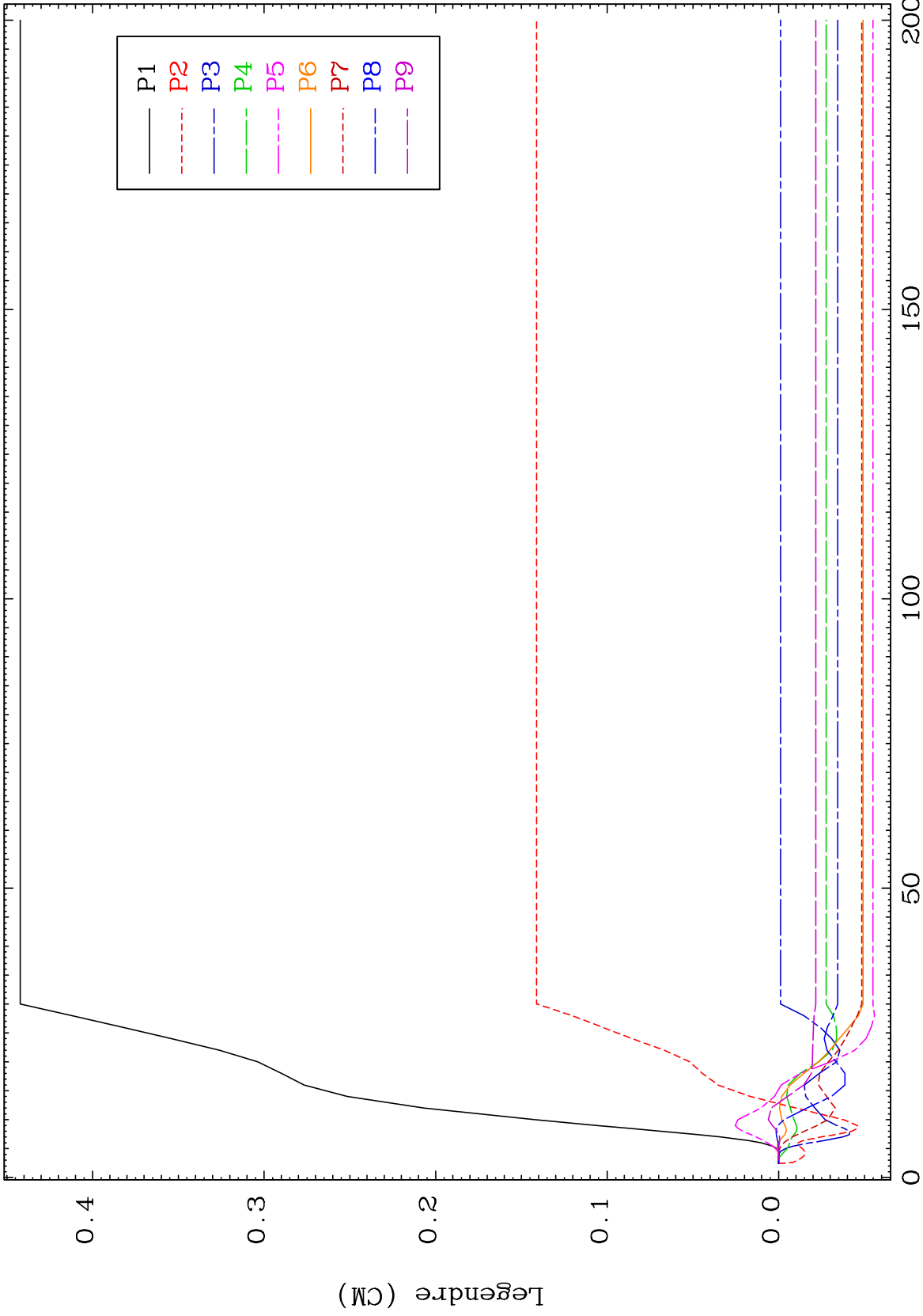
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



54-Xe-128

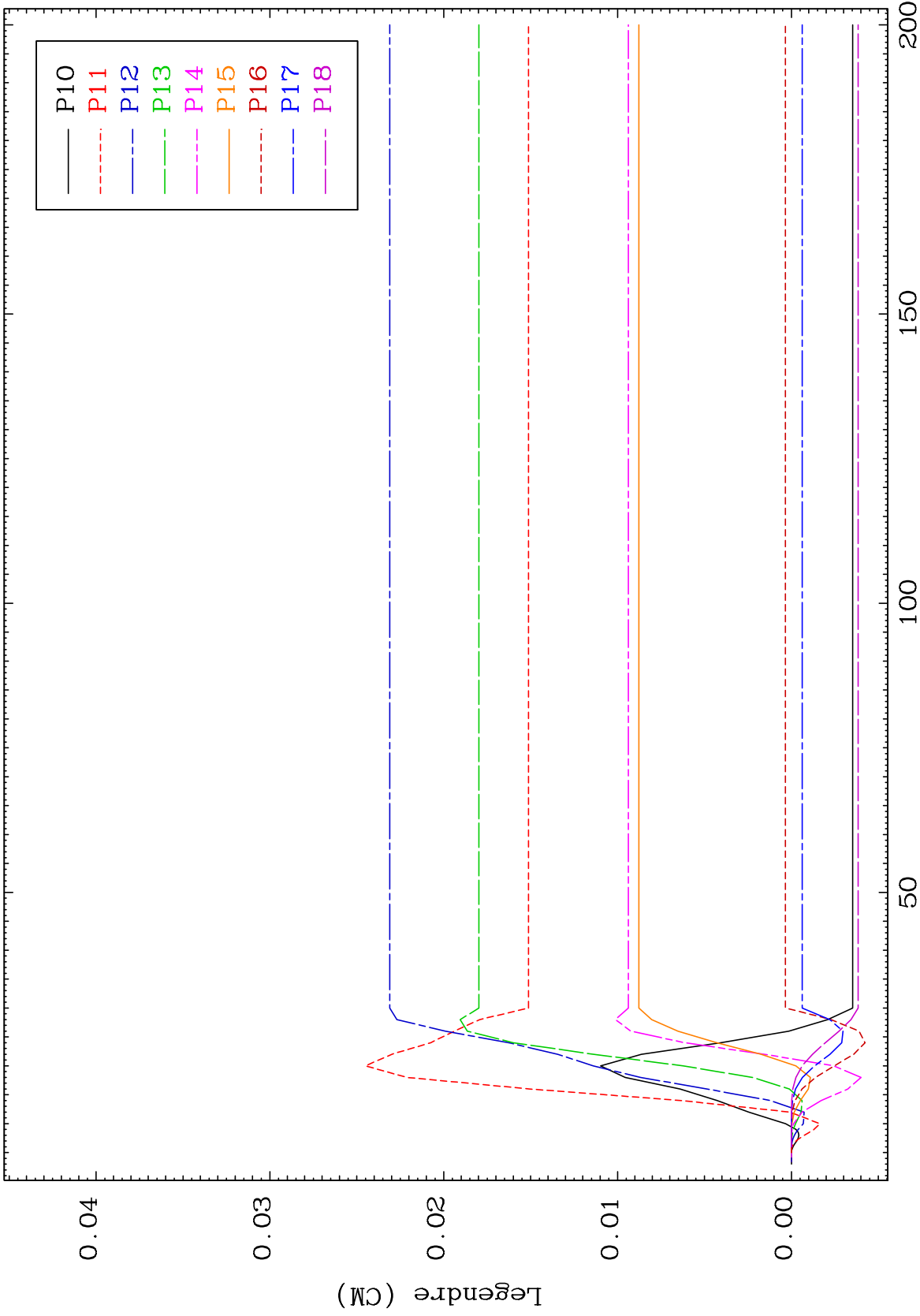
Incident Energy (MeV)

100

MAT 5437

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

54-Xe-128



101

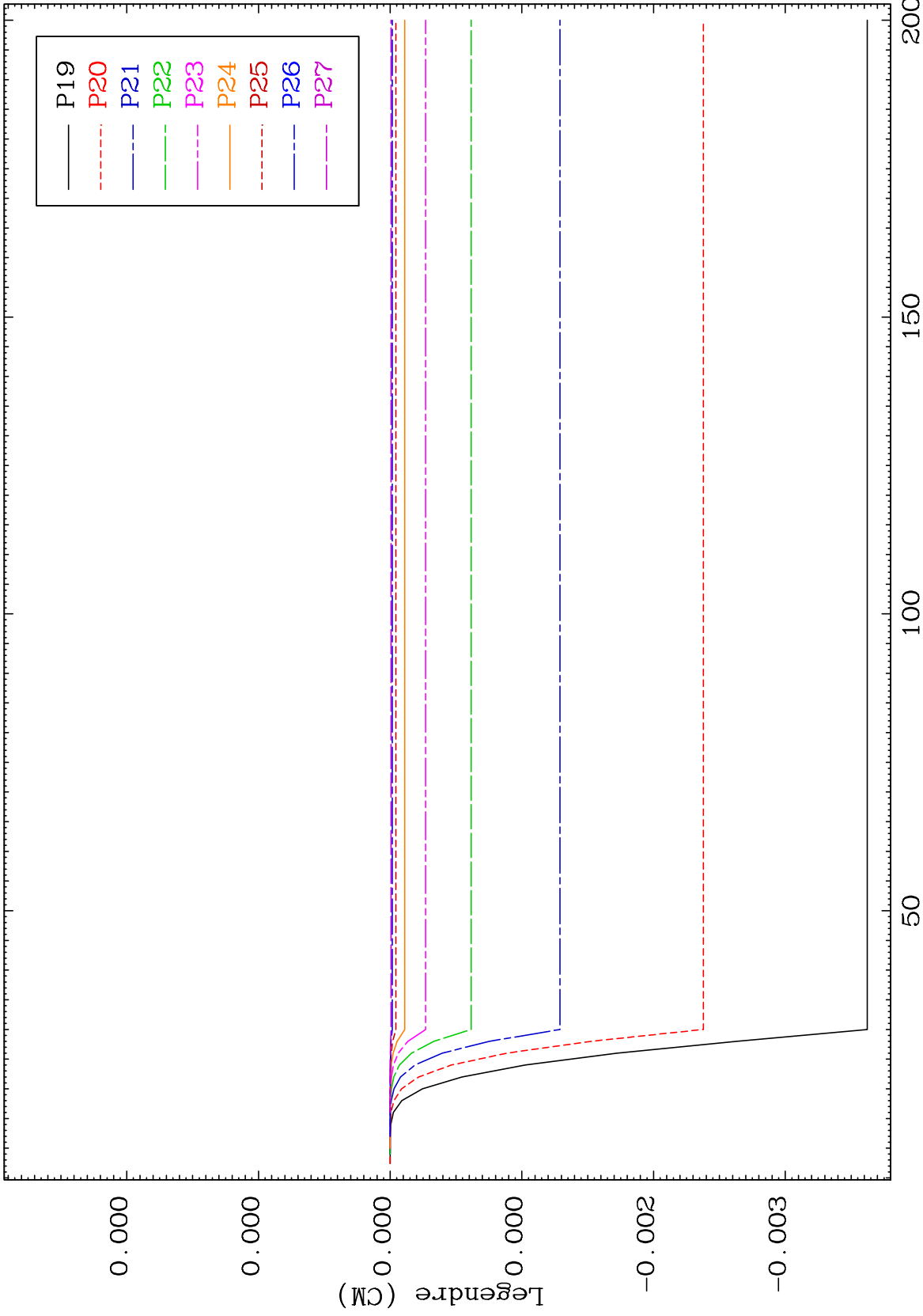
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



102

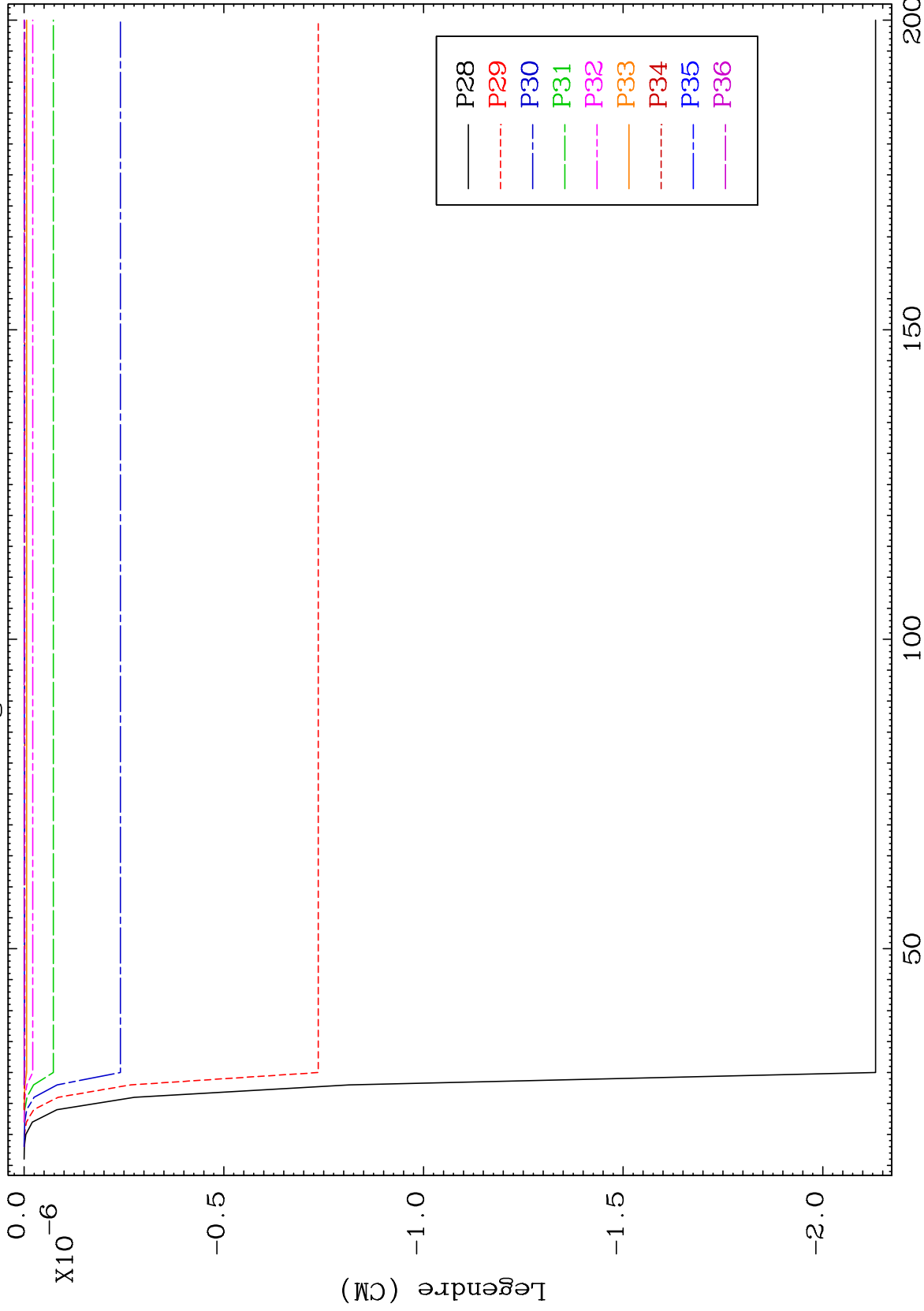
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



103

Incident Energy (MeV)

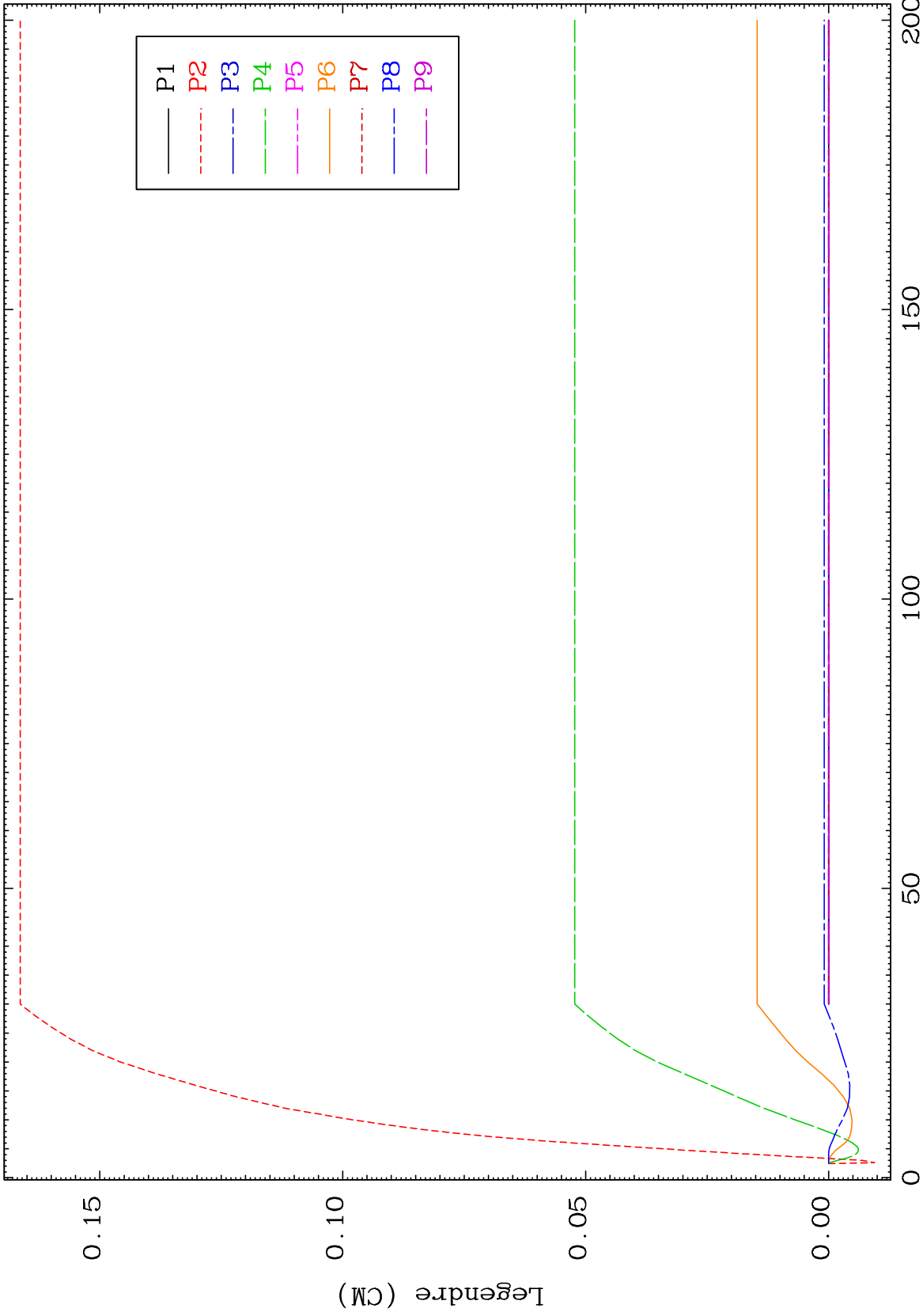
54-Xe-128



MAT 5437

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

54-Xe-128



54-Xe-128

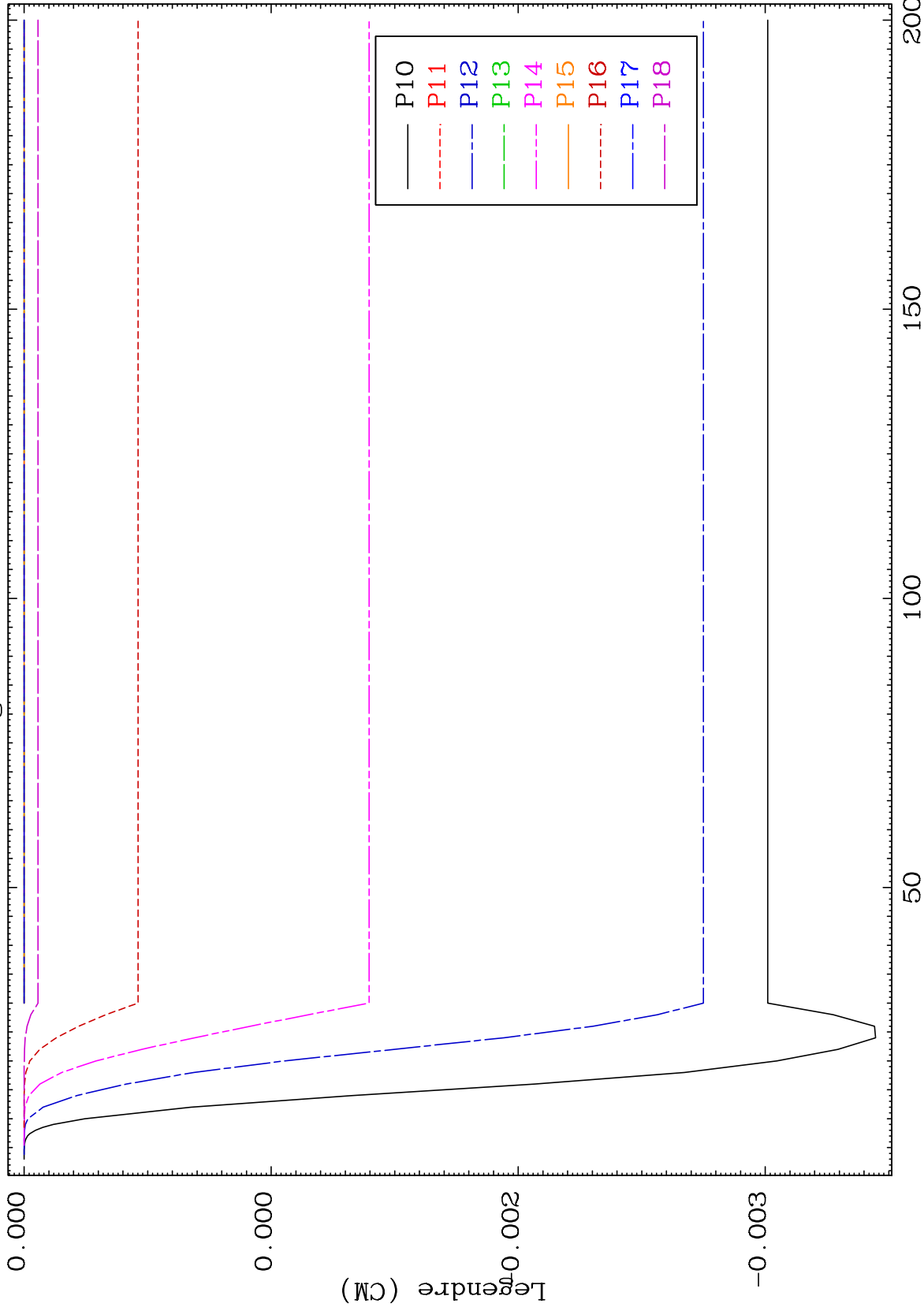
Incident Energy (MeV)

104

MAT 5437

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

54-Xe-128



105

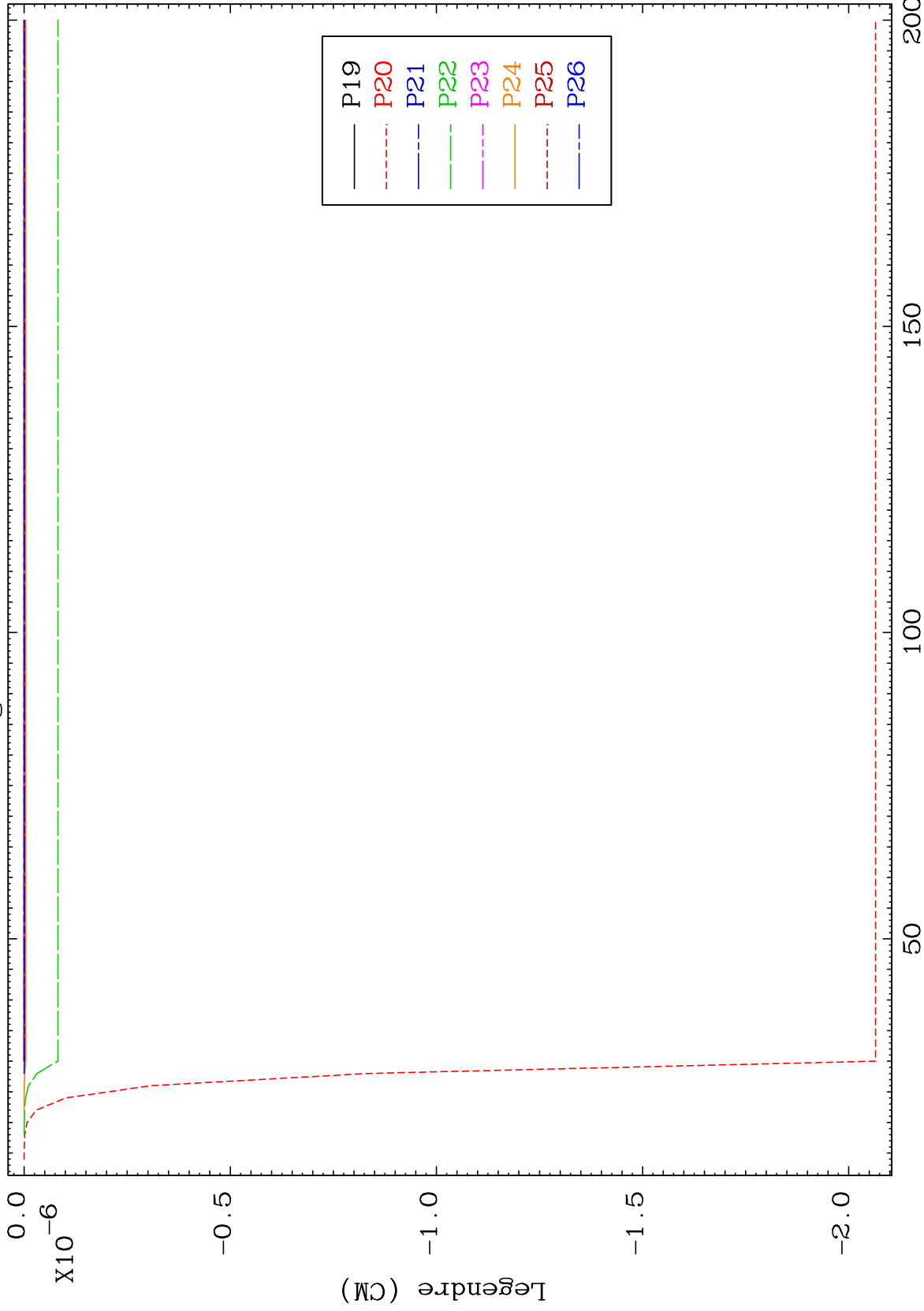
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



106

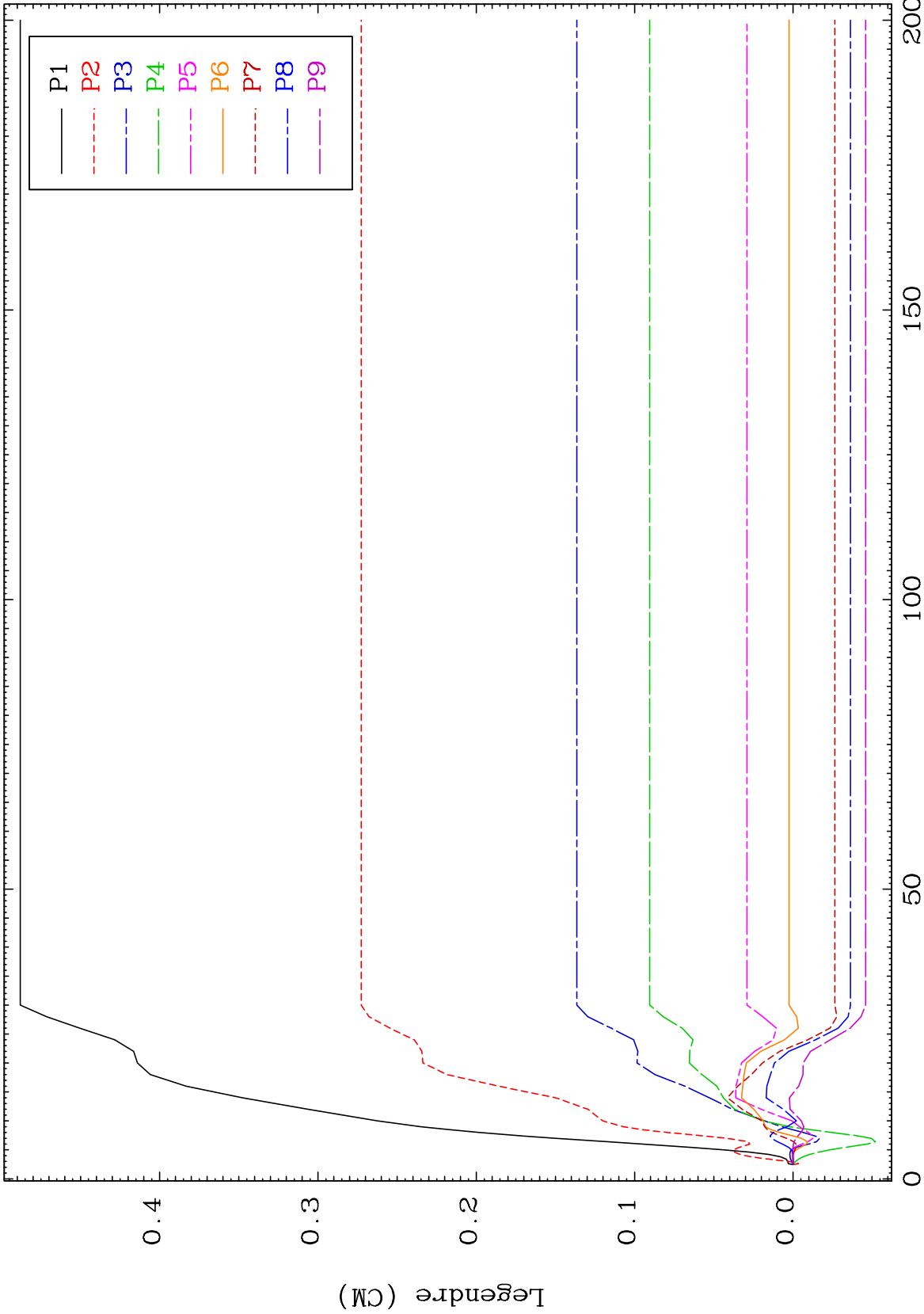
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



107

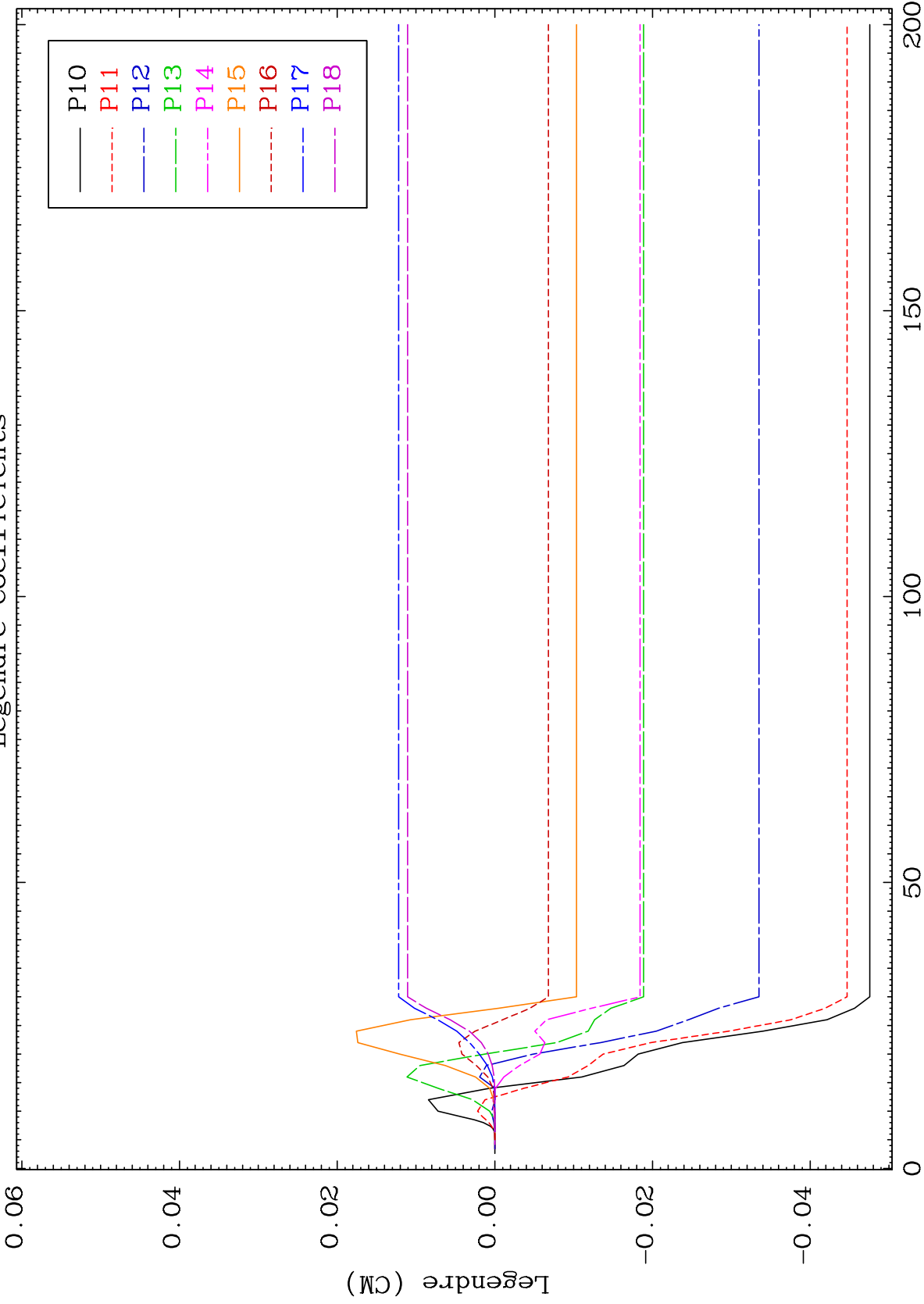
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



108

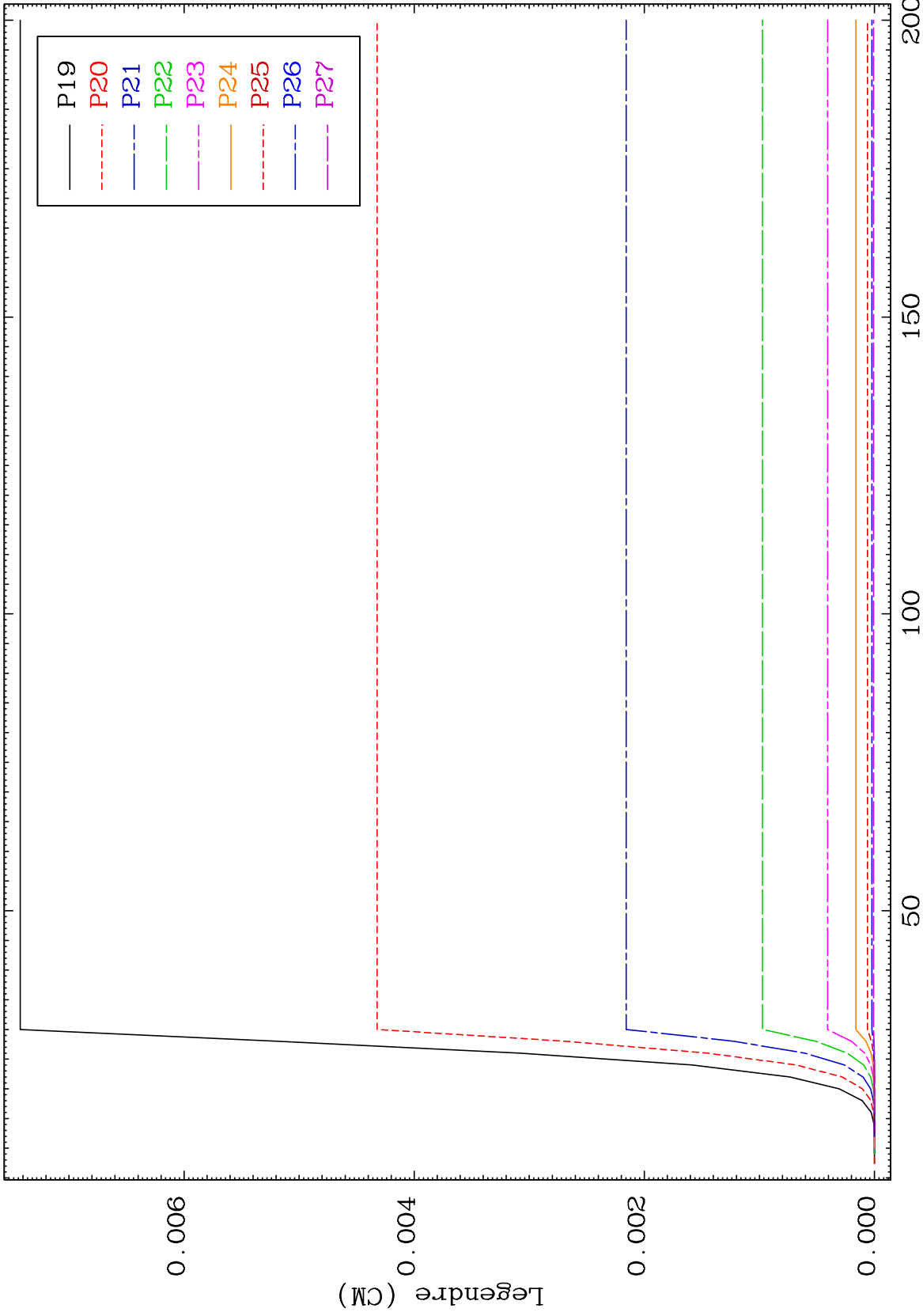
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



109

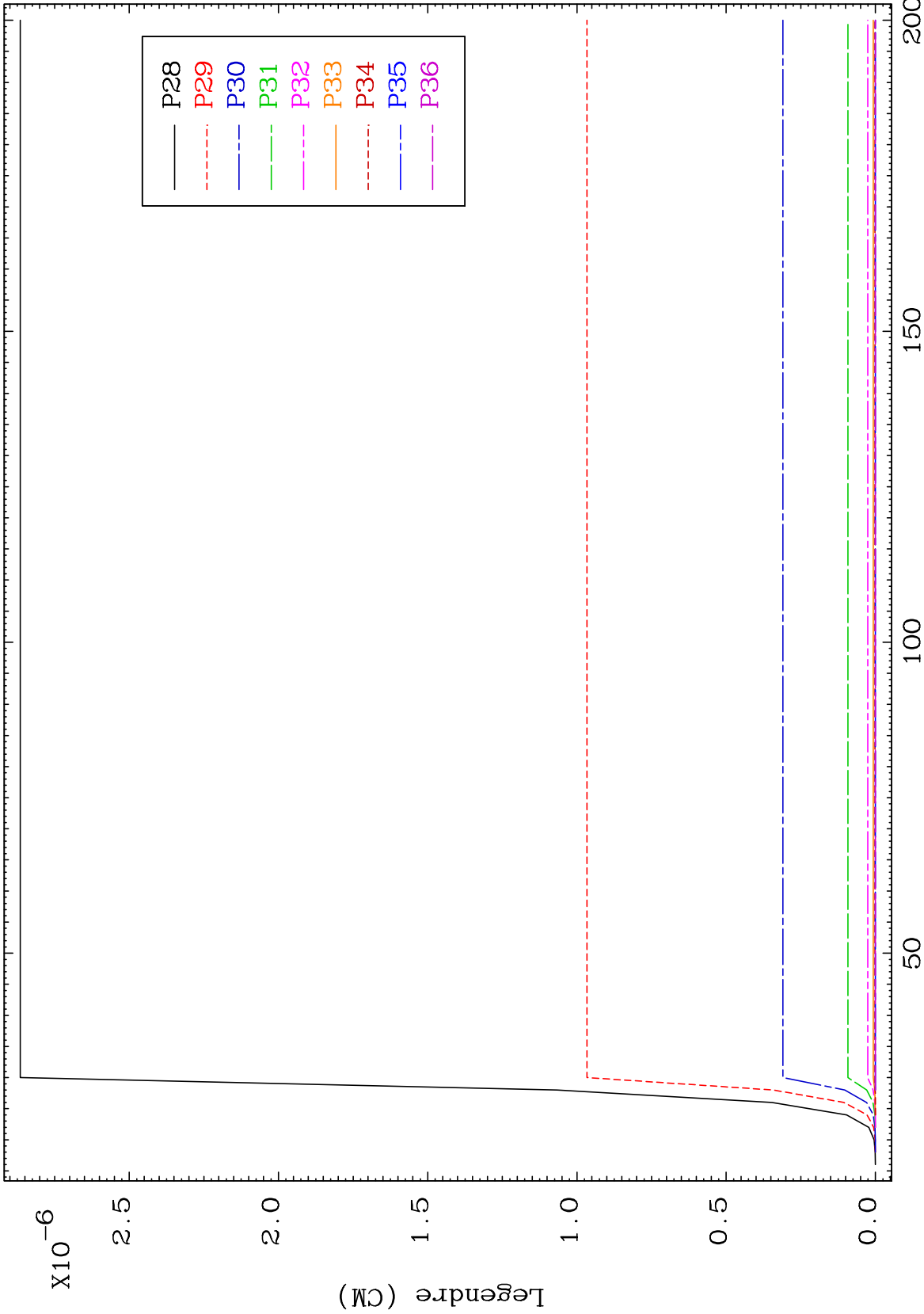
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



110

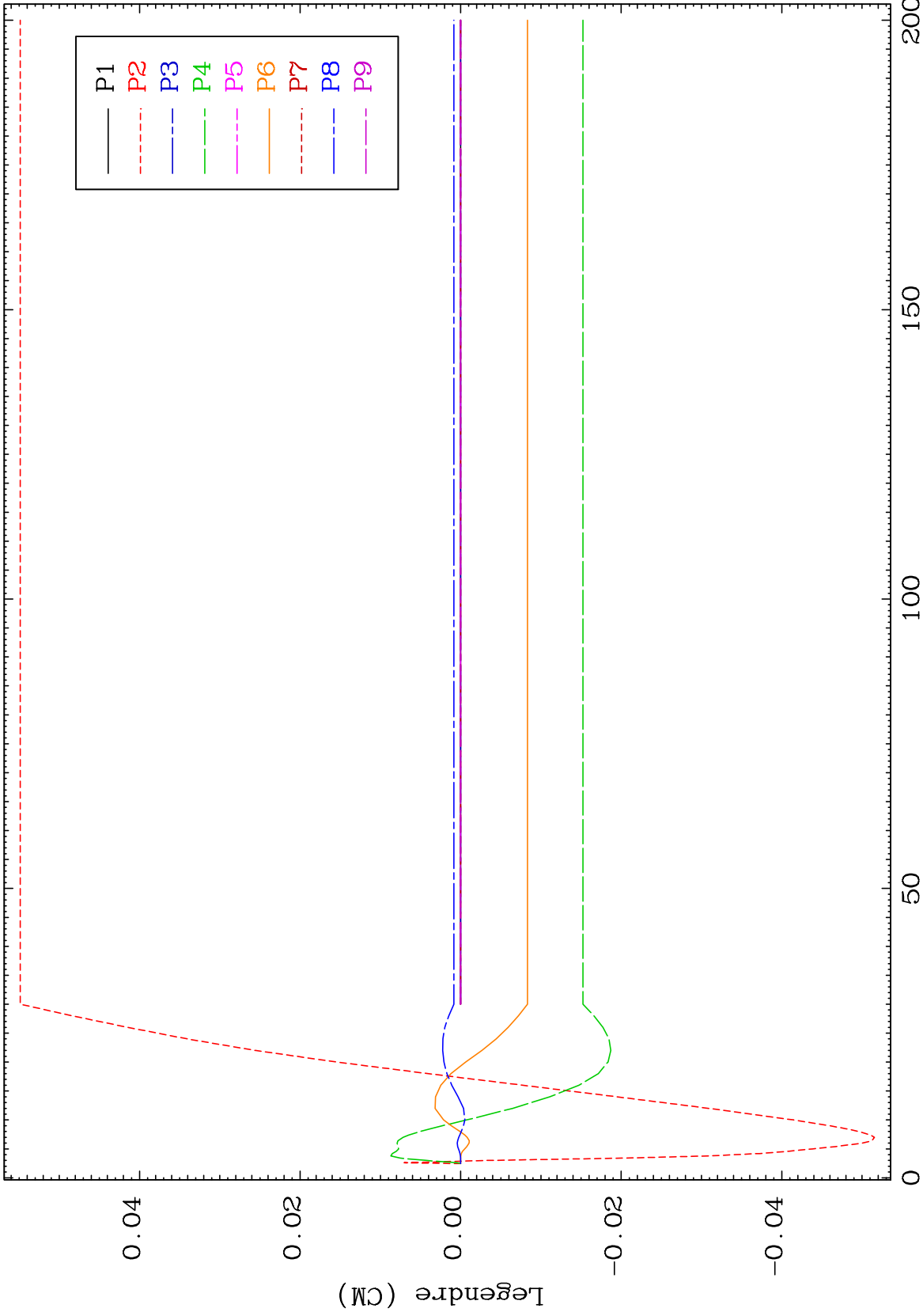
54-Xe-128

54-Xe-128

MAT 5437

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

54-Xe-128



111

Incident Energy (MeV)

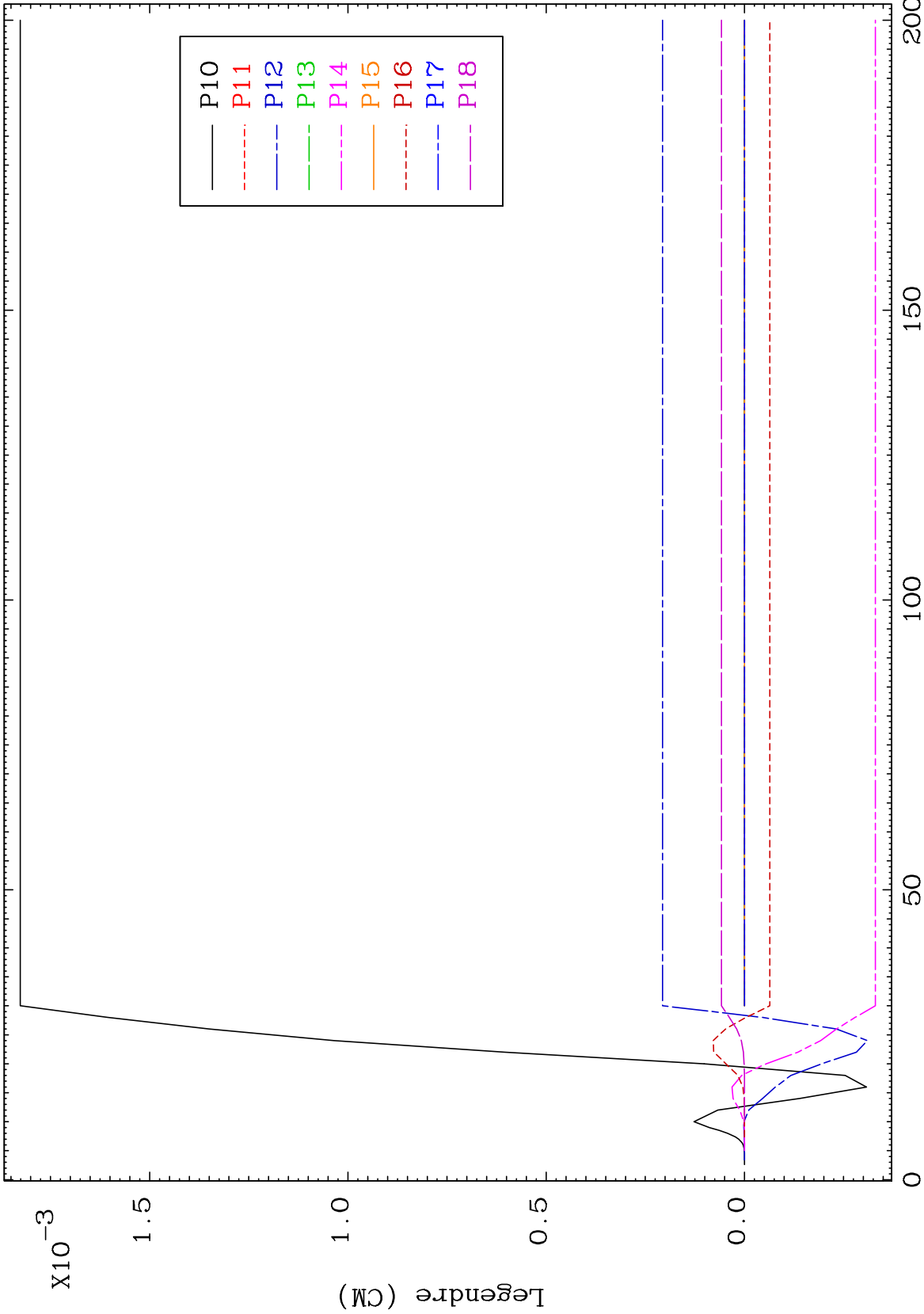
54-Xe-128



MAT 5437

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

54-Xe-128



112

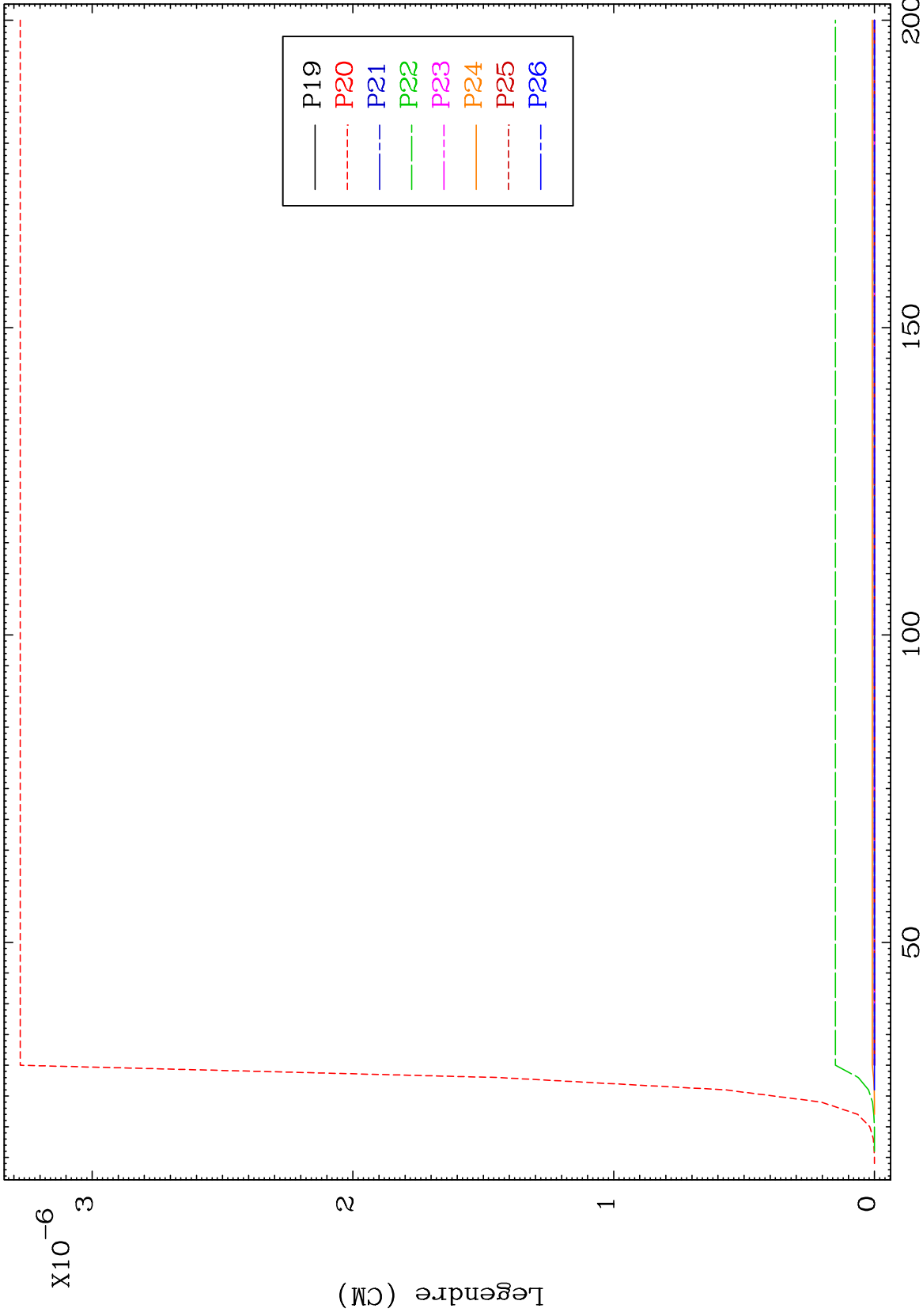
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



113

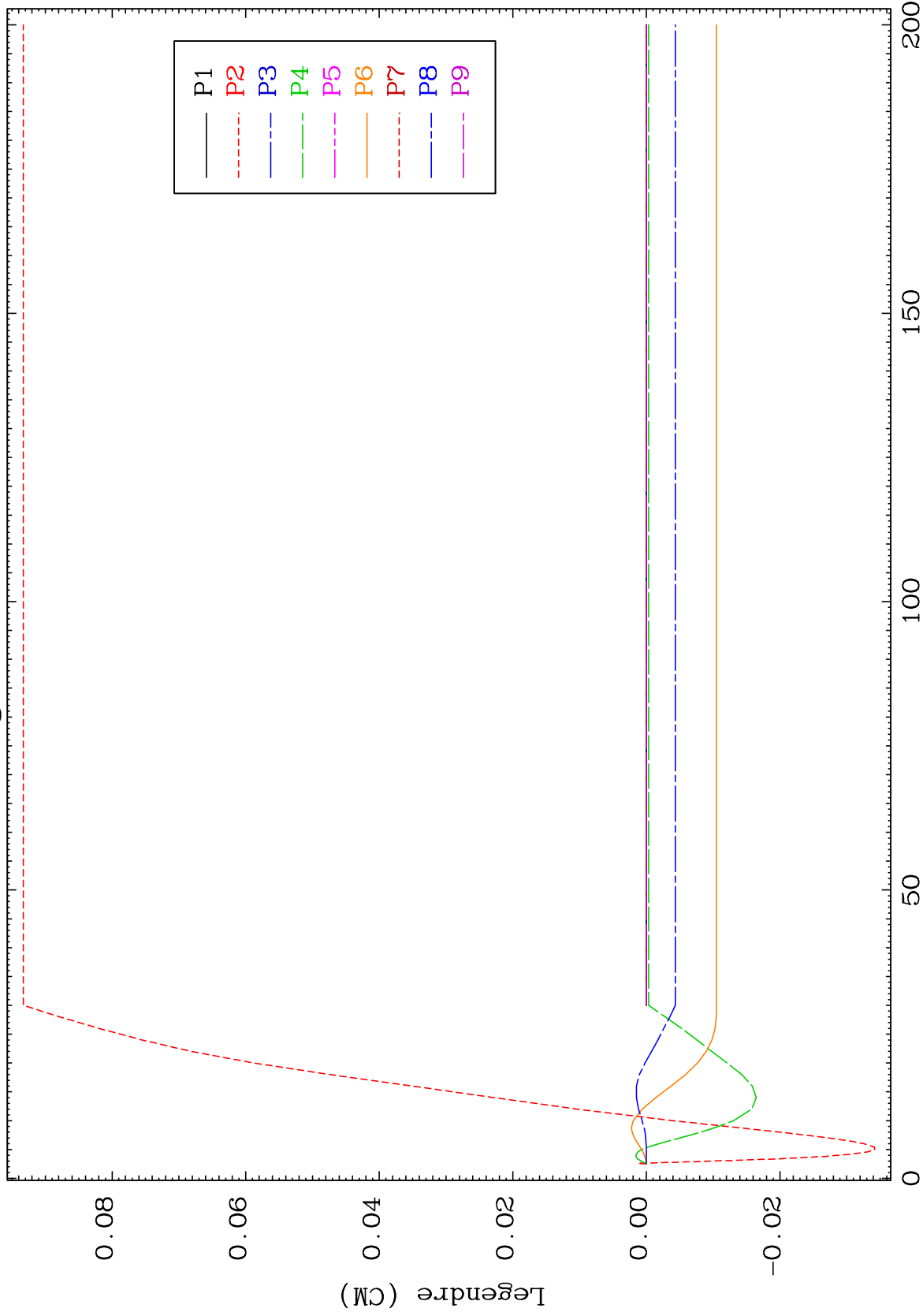
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



114

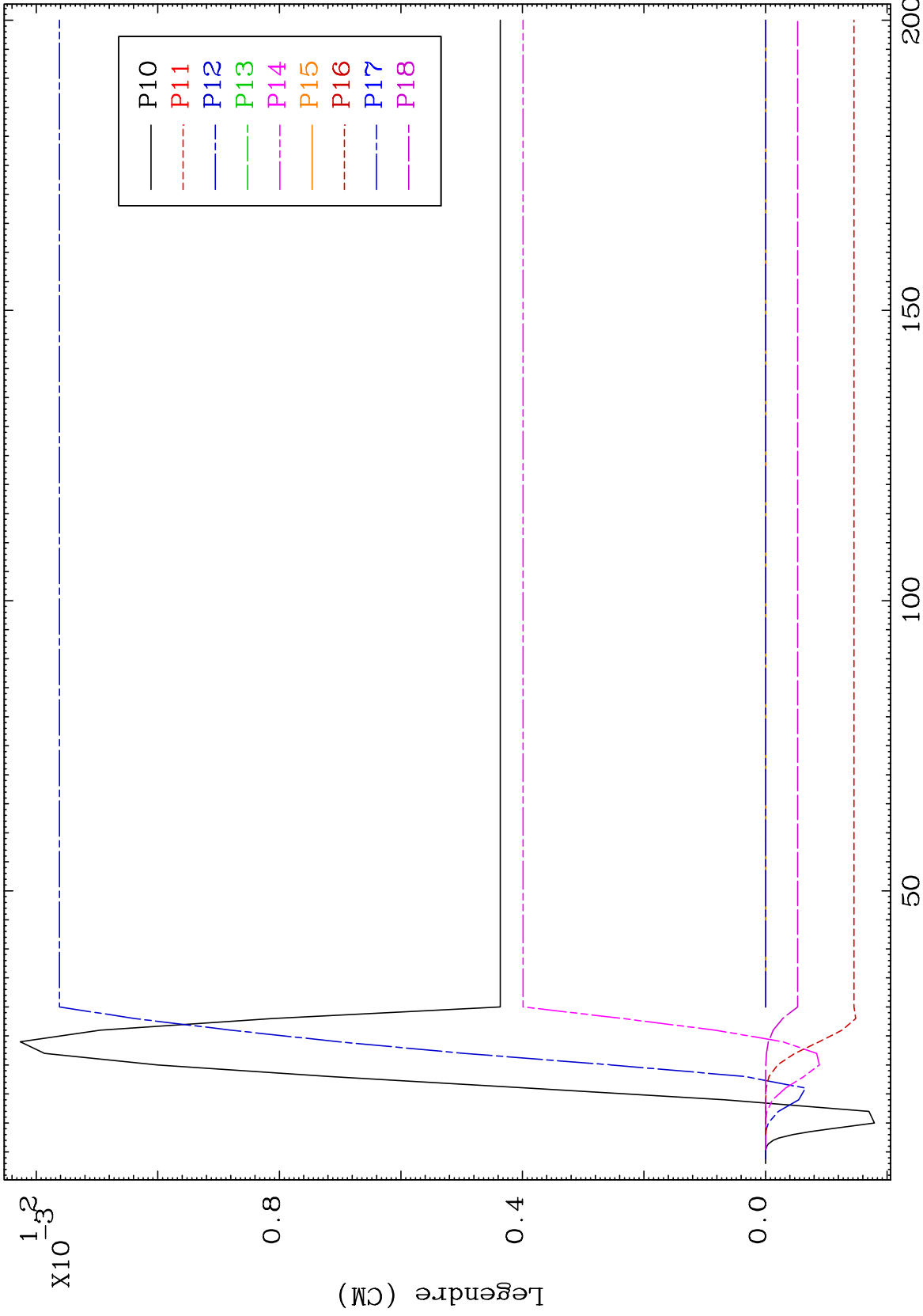
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



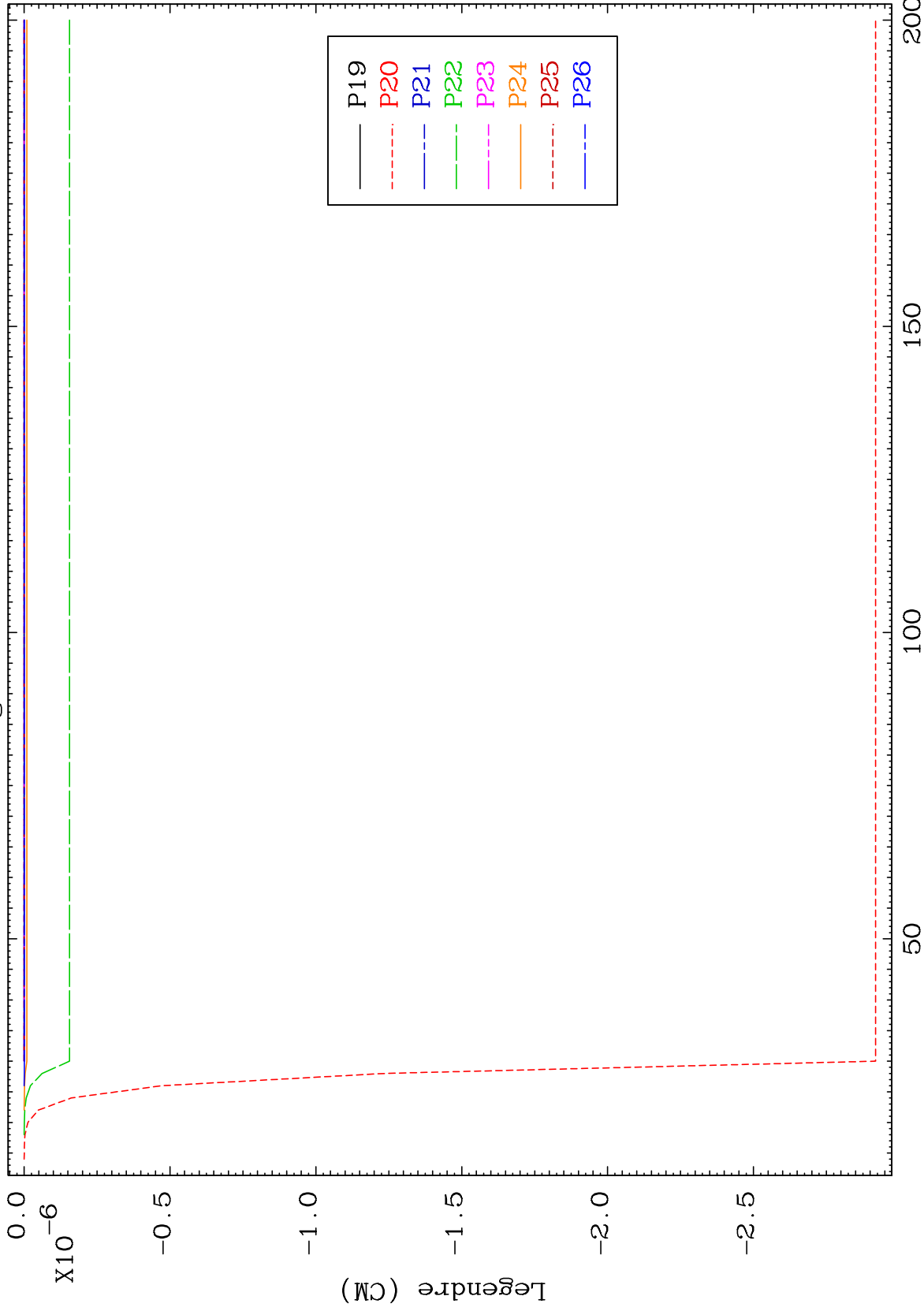
115

54-Xe-128

MAT 5437

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

54-Xe-128



116

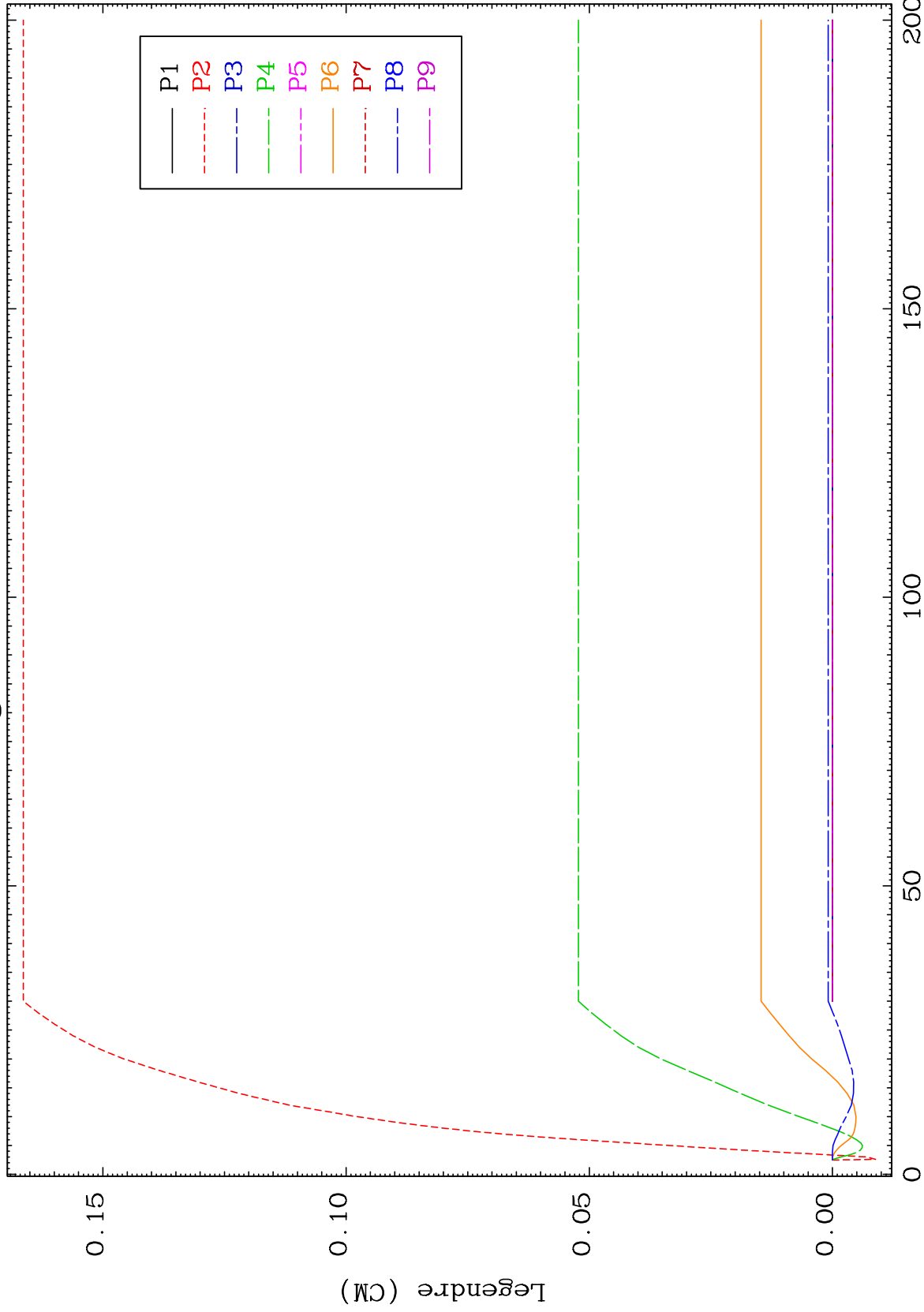
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



117

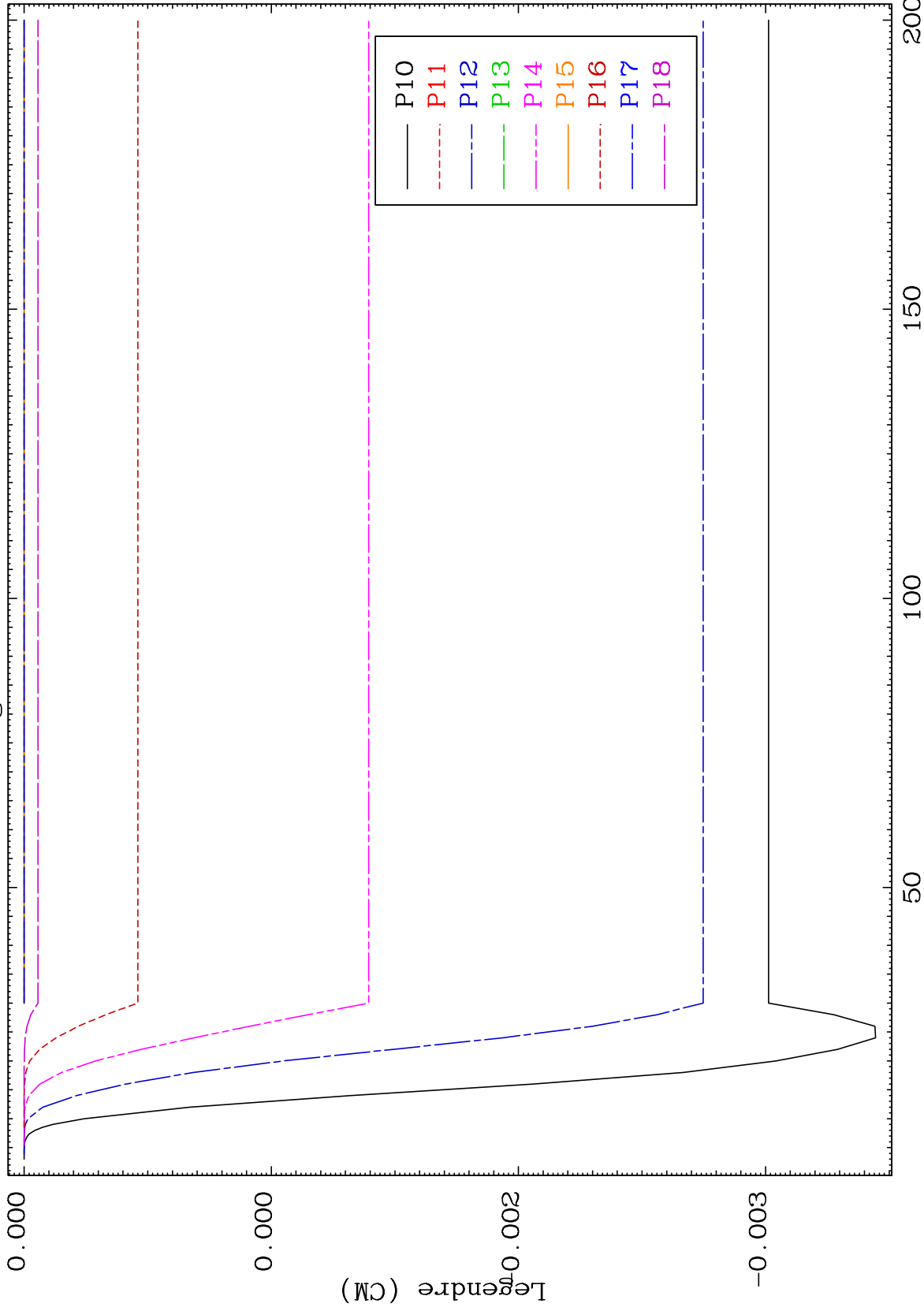
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



118

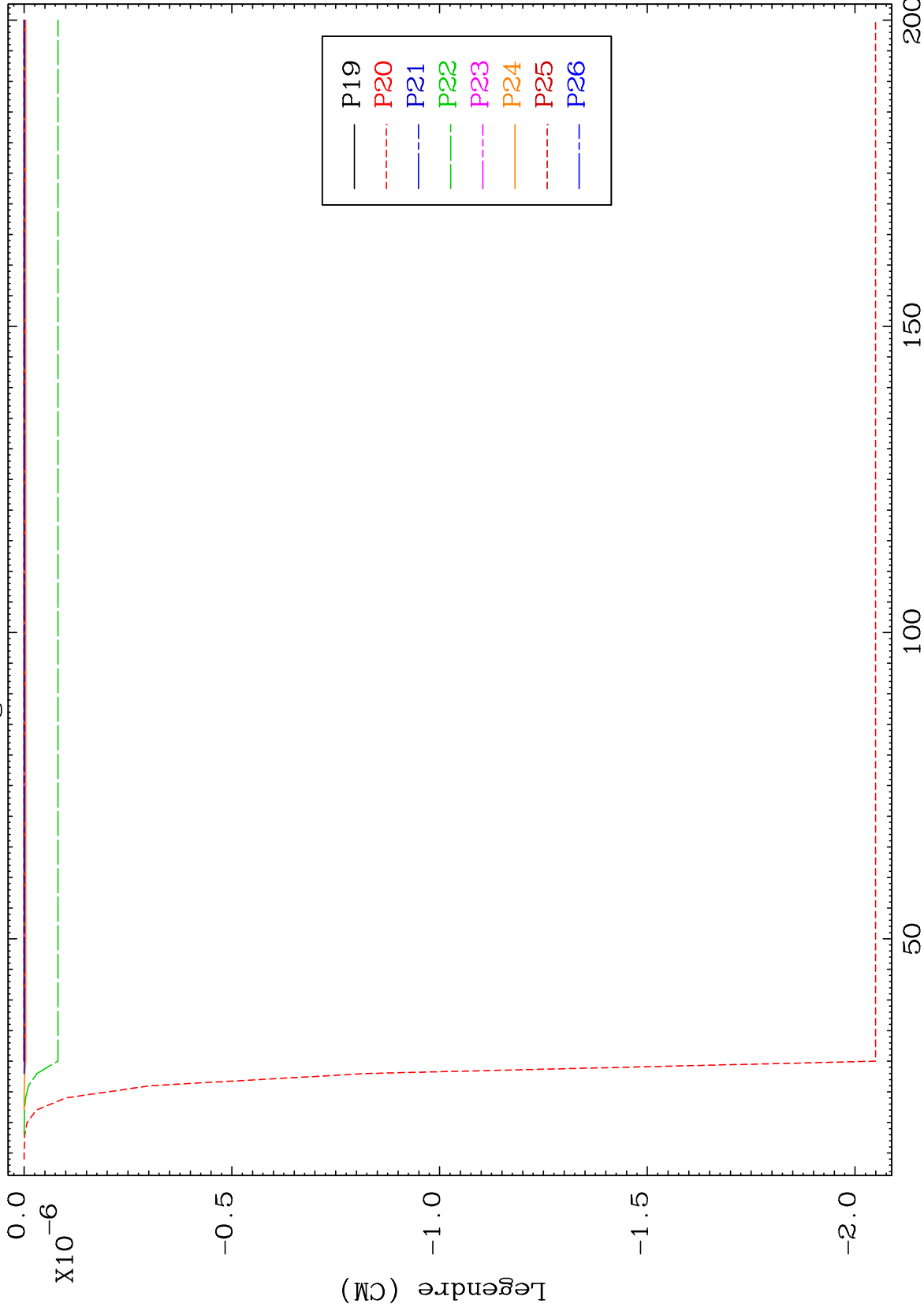
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



119

Incident Energy (MeV)

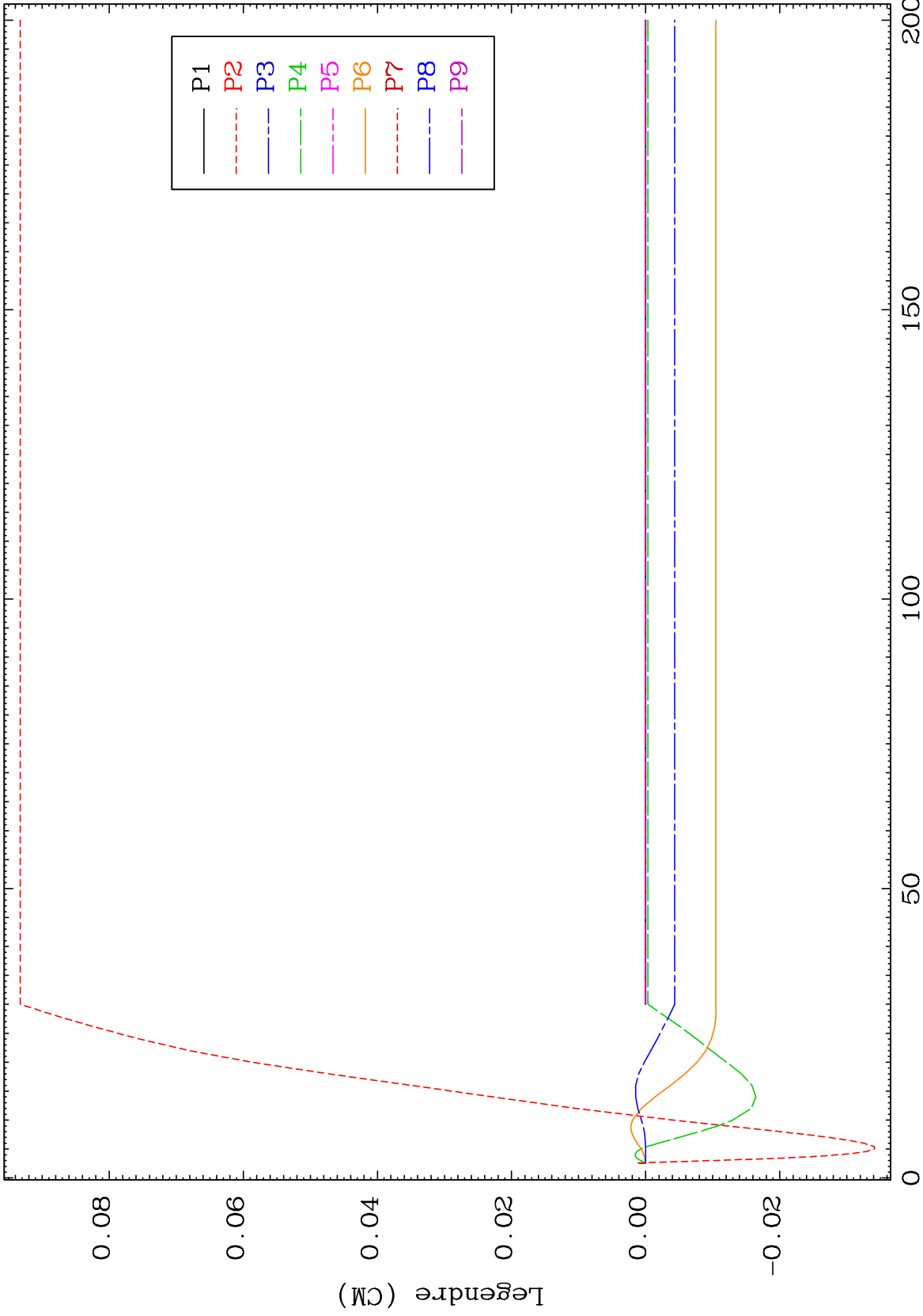
54-Xe-128



MAT 5437

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

54-Xe-128



54-Xe-128

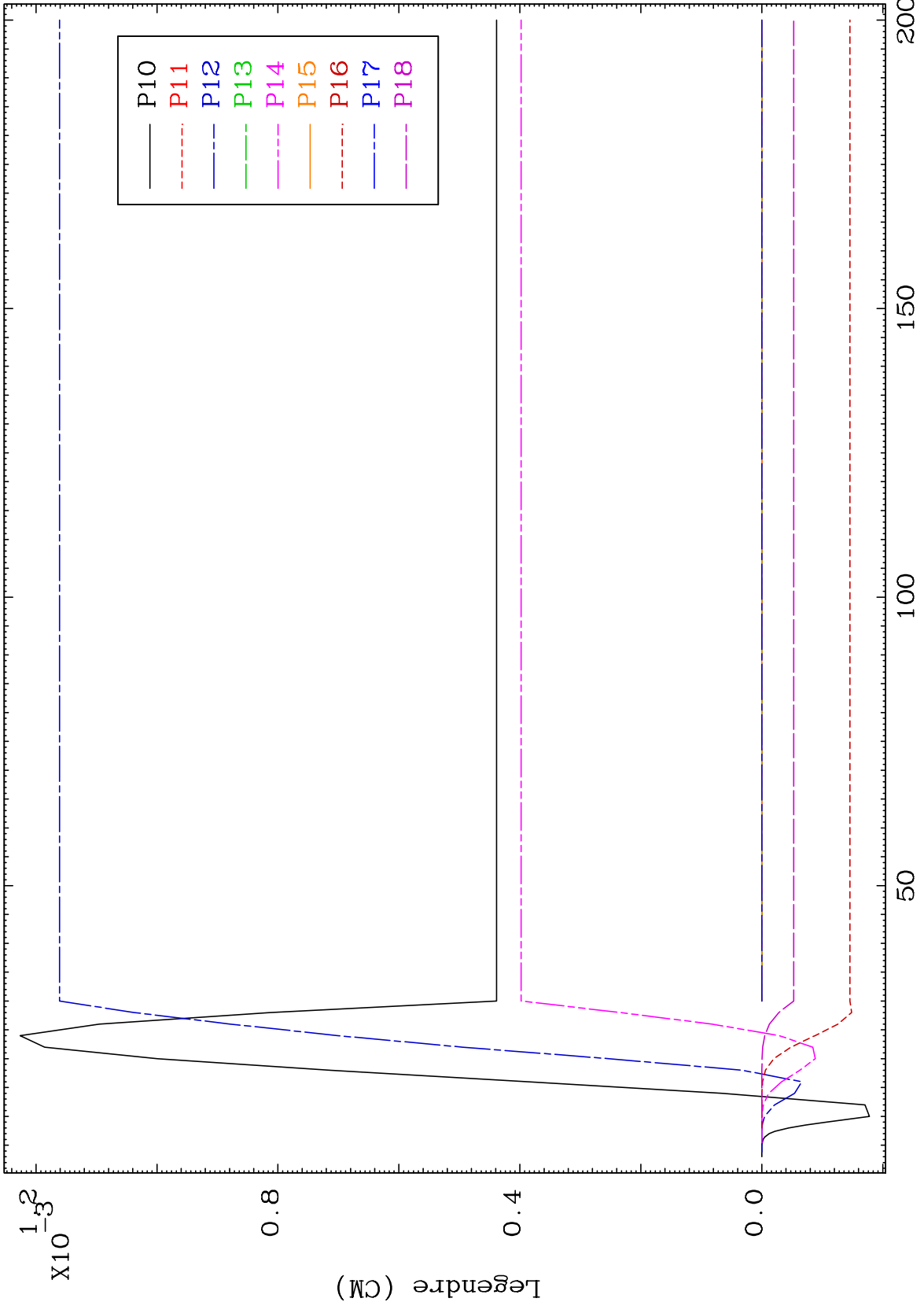
Incident Energy (MeV)

120

MAT 5437

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

54-Xe-128



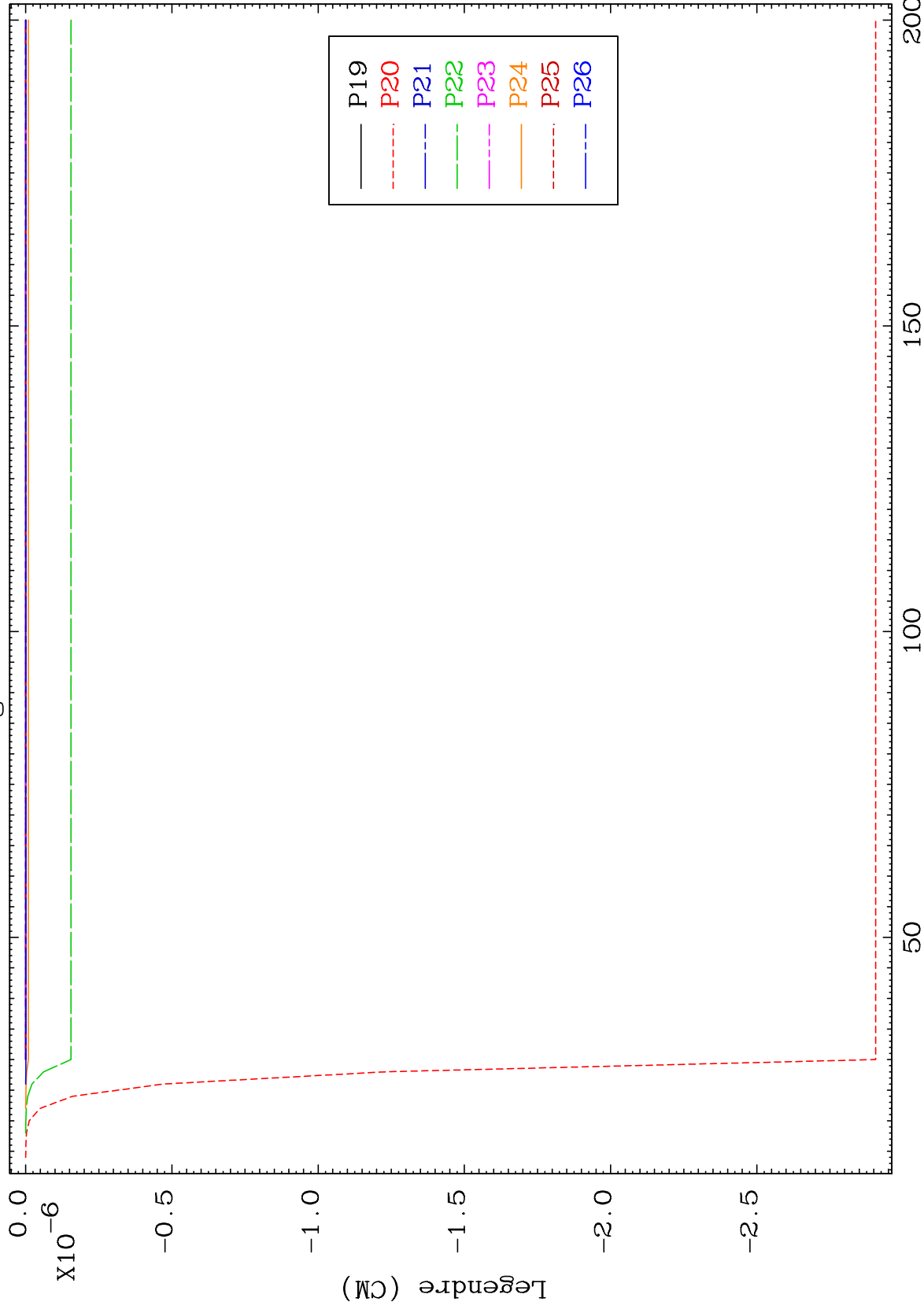
121

54-Xe-128

MAT 5437

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

54-Xe-128



122

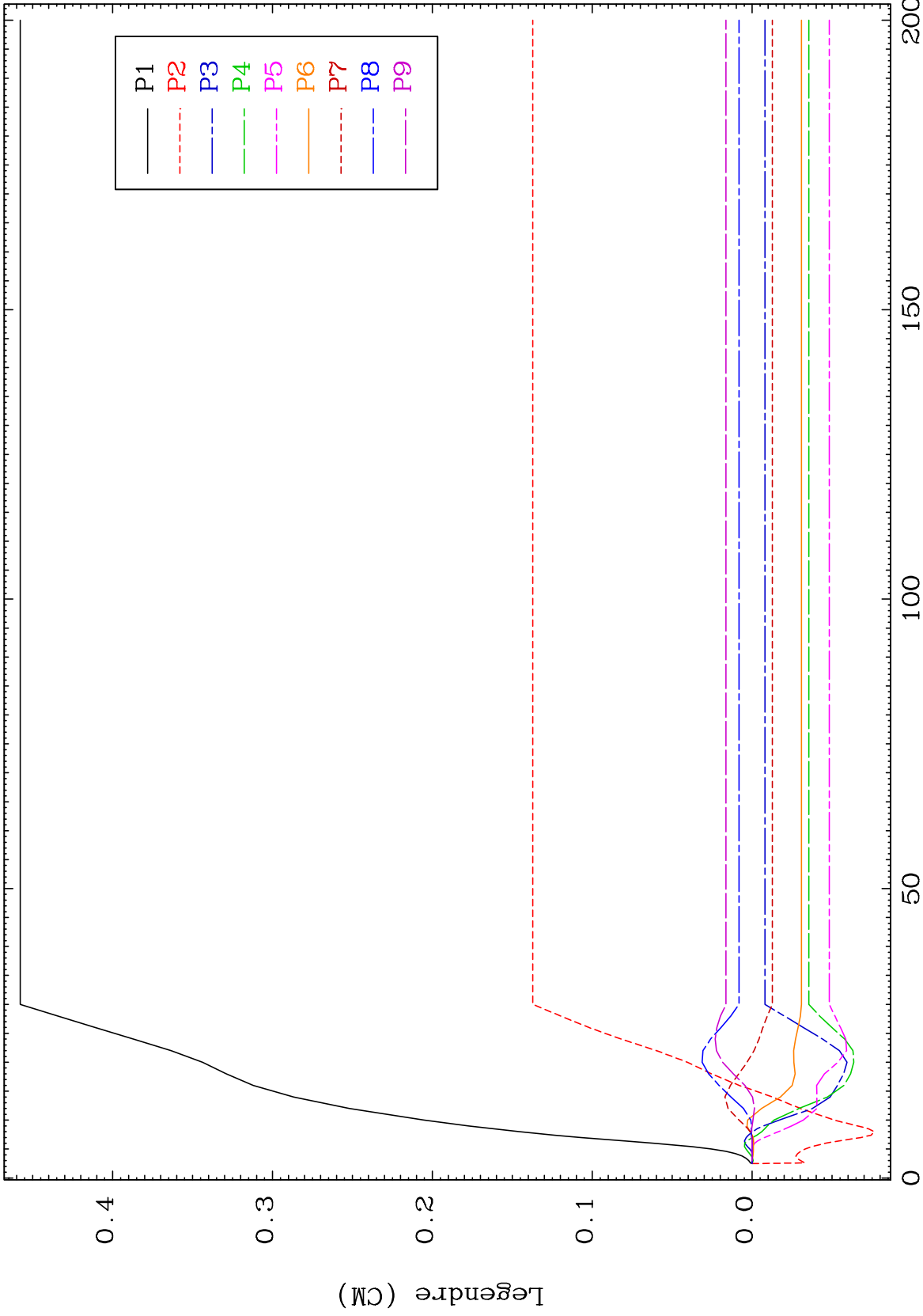
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



123

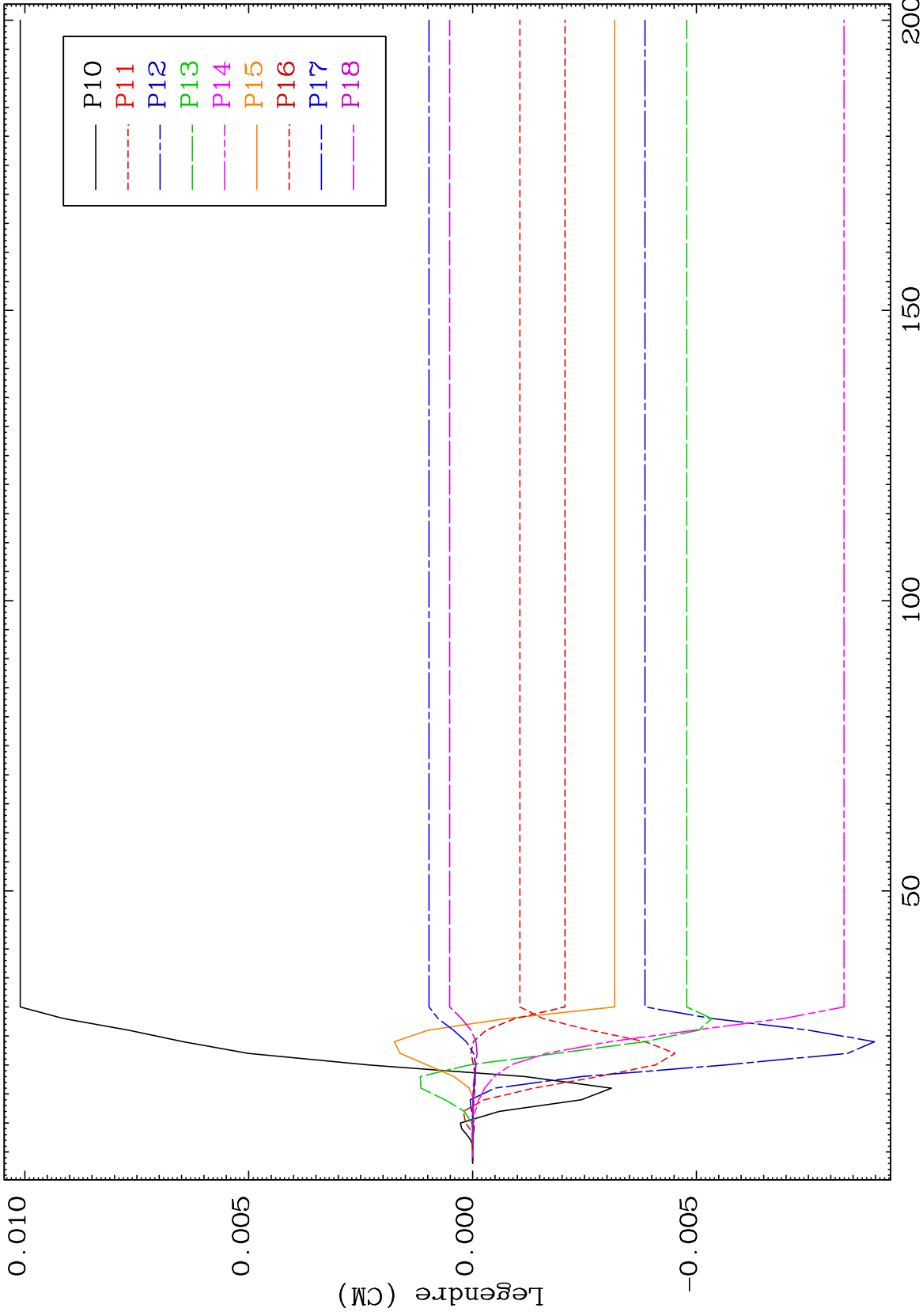
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



124

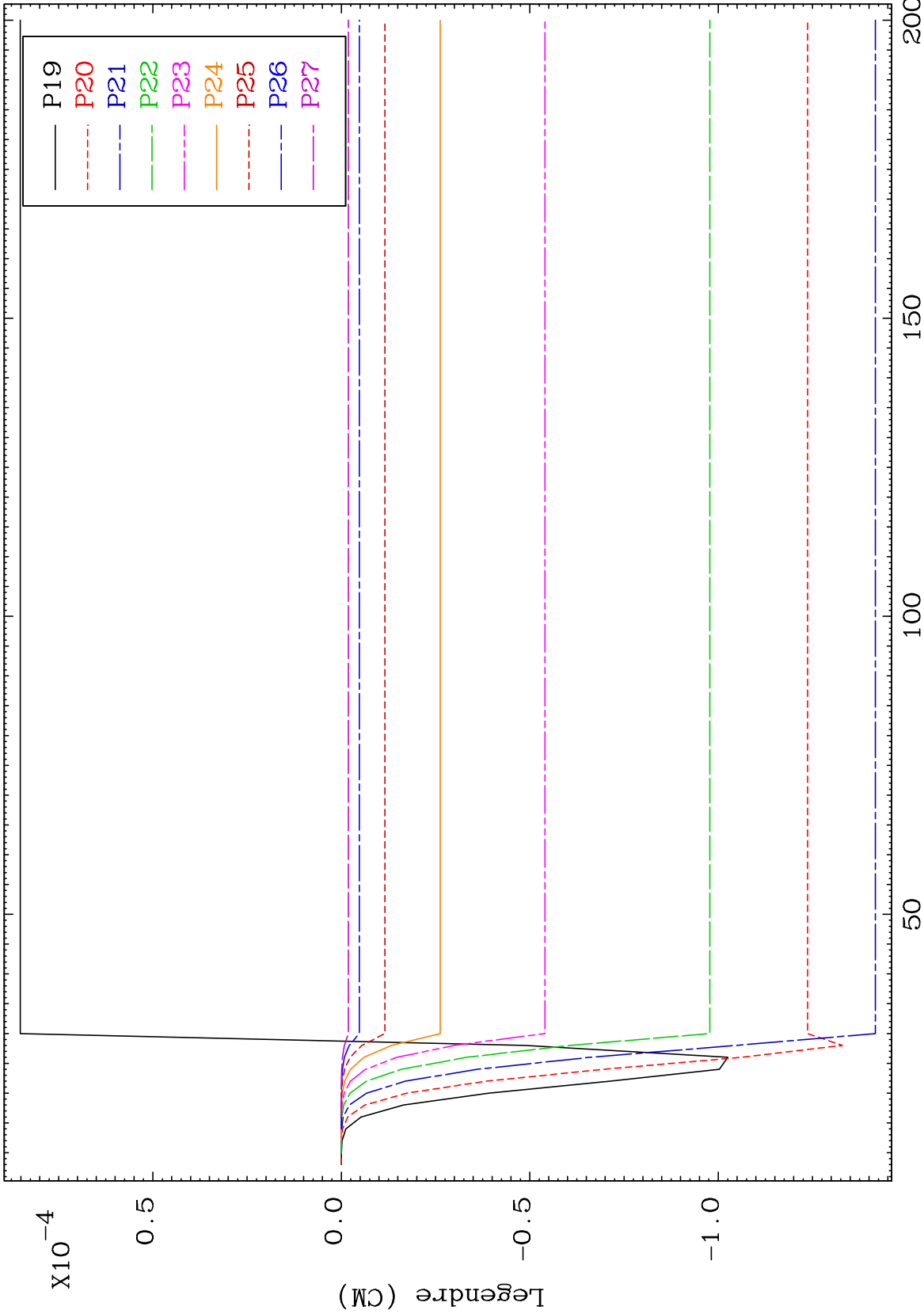
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



125

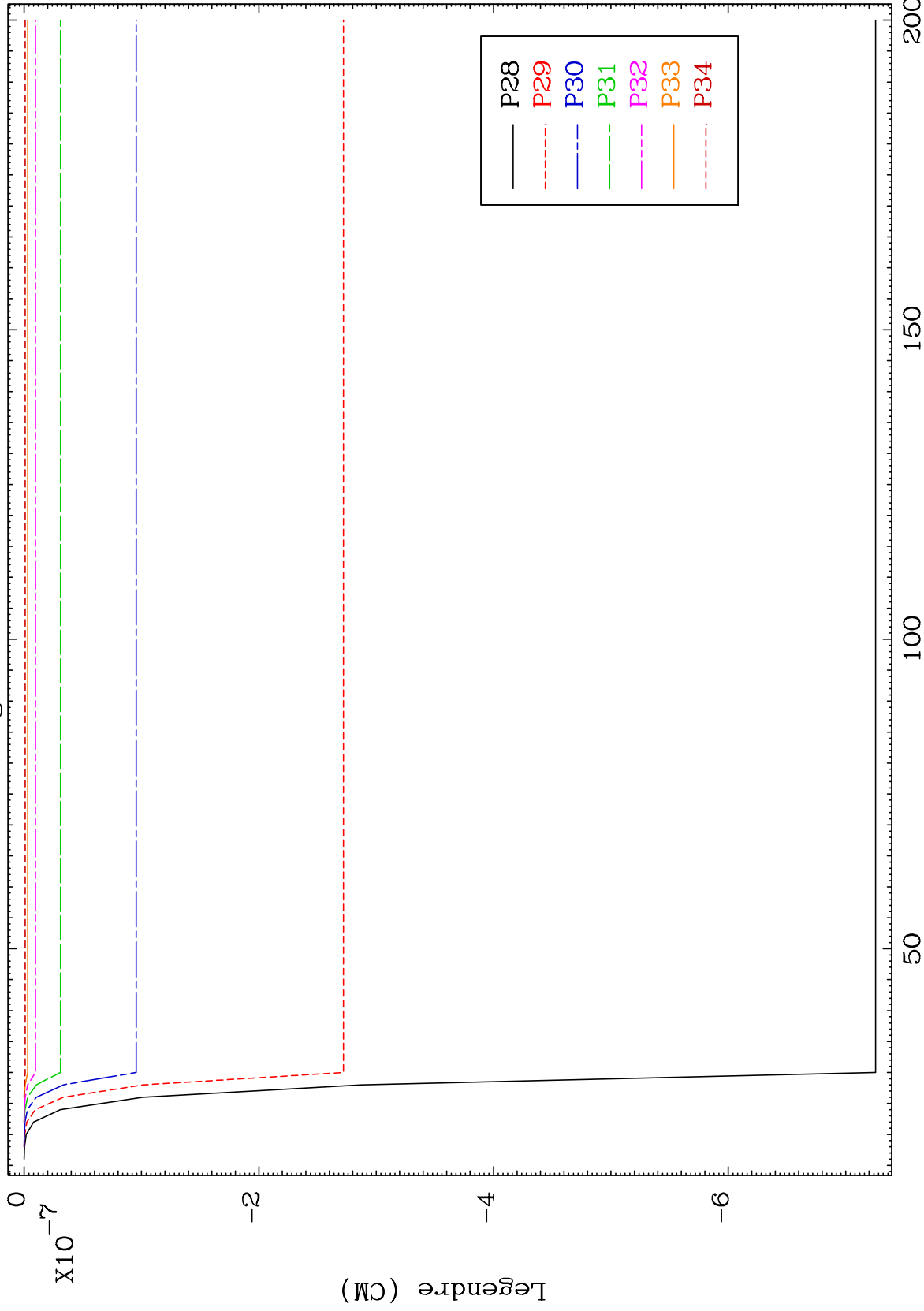
Incident Energy (MeV)

54-Xe-128

MAT 5437

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

54-Xe-128



126

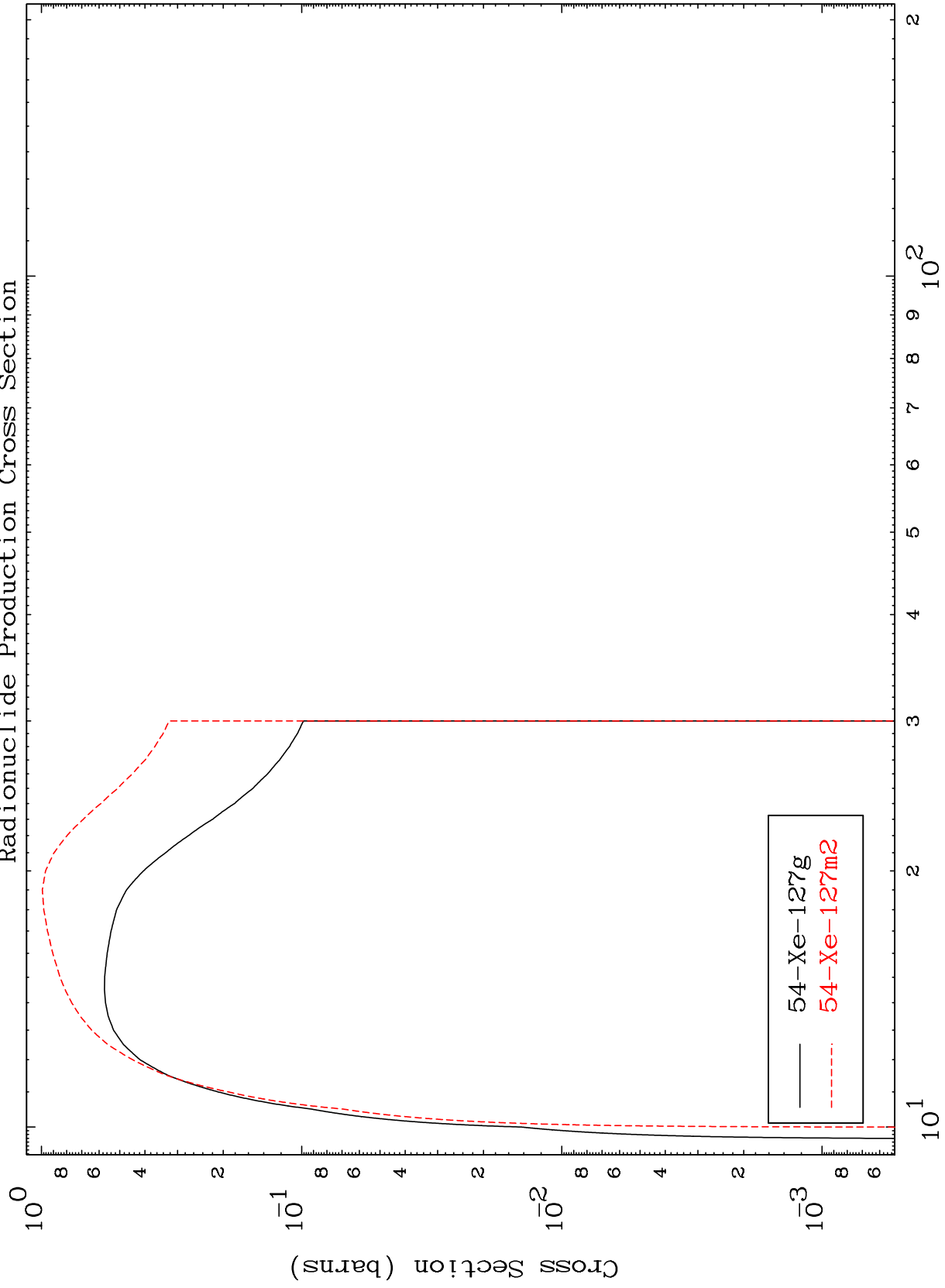
54-Xe-128

MAT 5437

(n,2n)

54-Xe-128

Radionuclide Production Cross Section



127

Incident Energy (MeV)

54-Xe-128

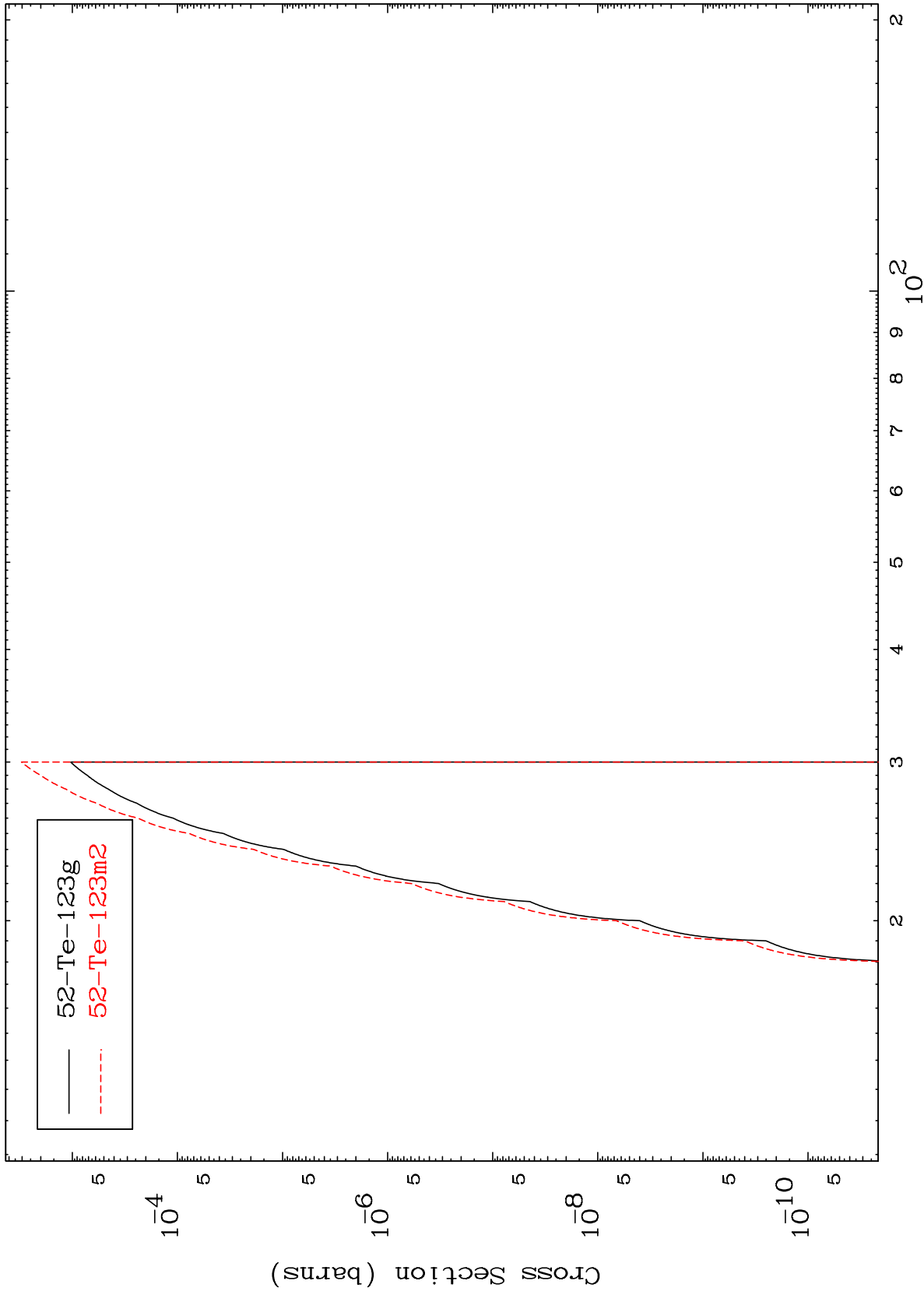


MAT 5437

(n,2n)  $\alpha$

54-Xe-128

Radionuclide Production Cross Section

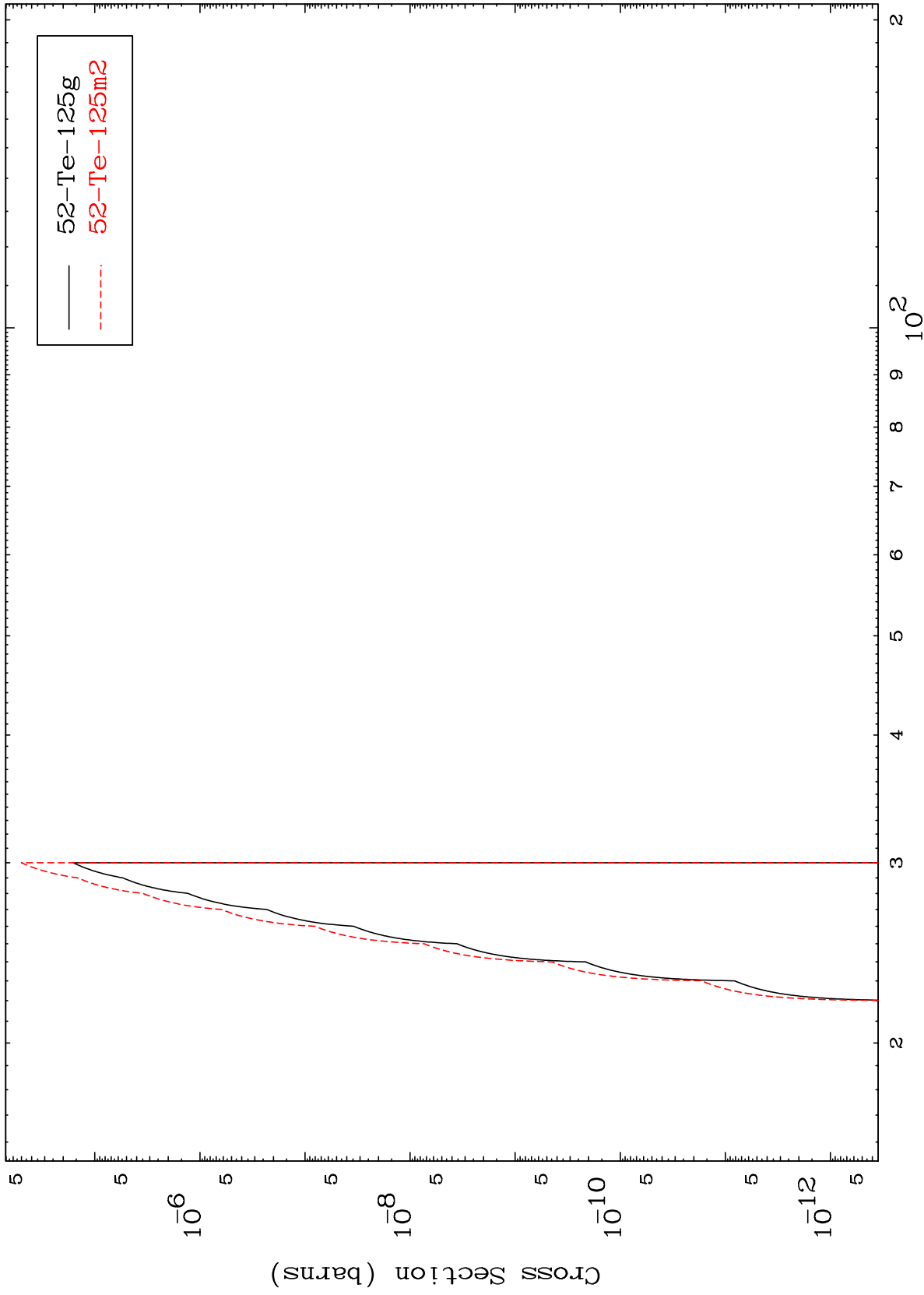


128

Incident Energy (MeV)

54-Xe-128

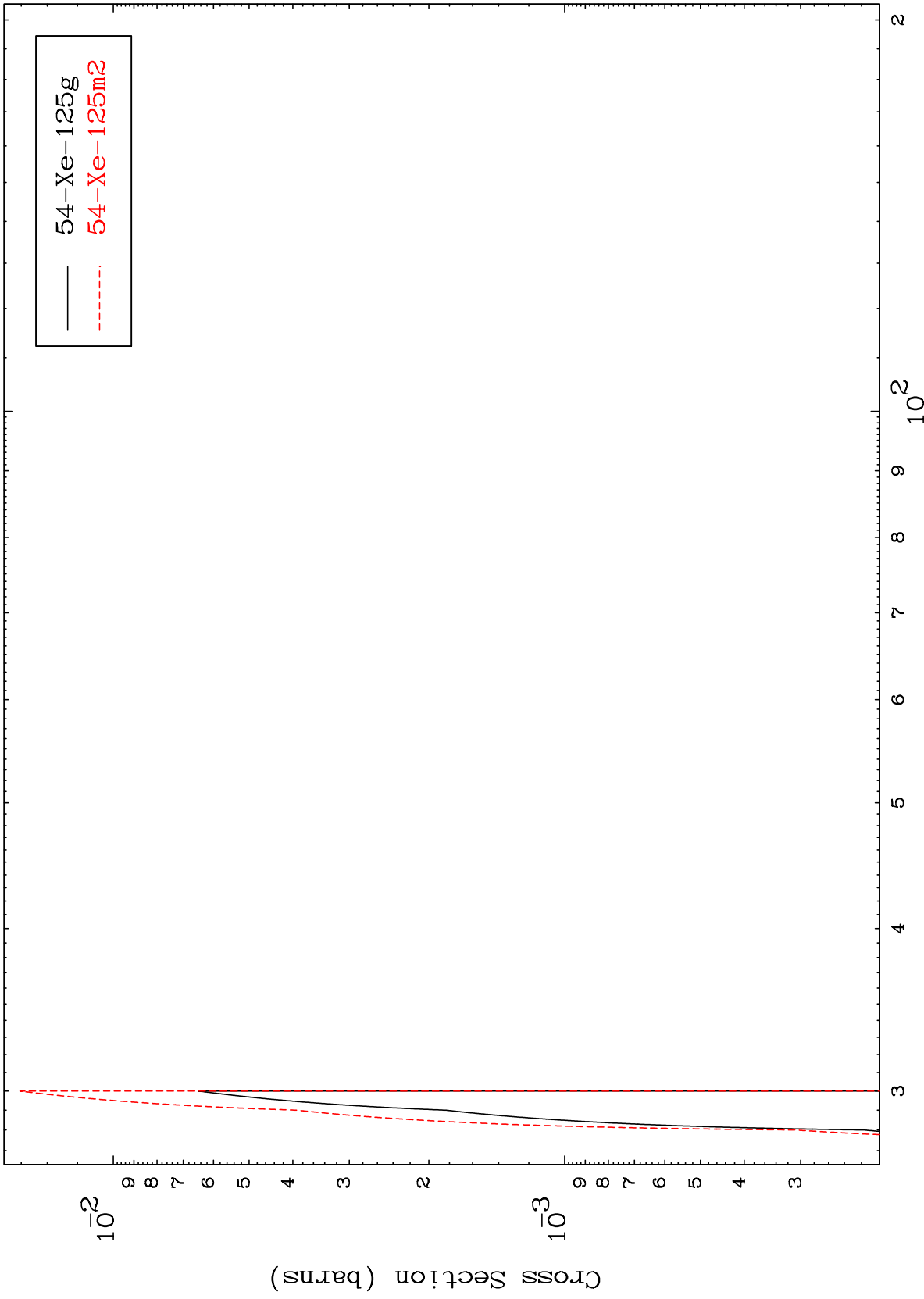
Radionuclide Production Cross Section



MAT 5437

54-Xe-128

(n,4n)  
Radionuclide Production Cross Section



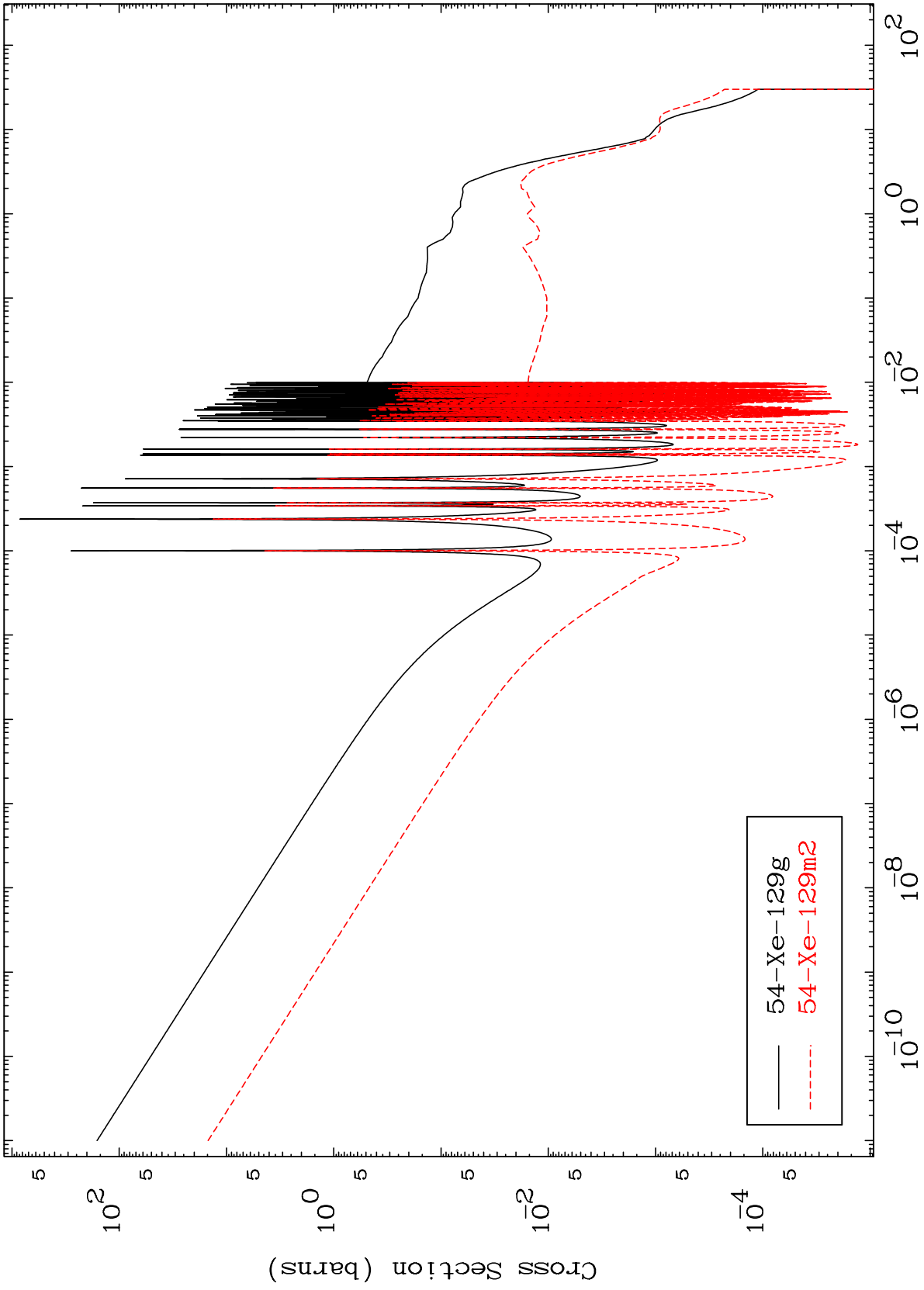
130

54-Xe-128

MAT 5437

54-Xe-128

(n,γ)  
Radionuclide Production Cross Section



131

54-Xe-128

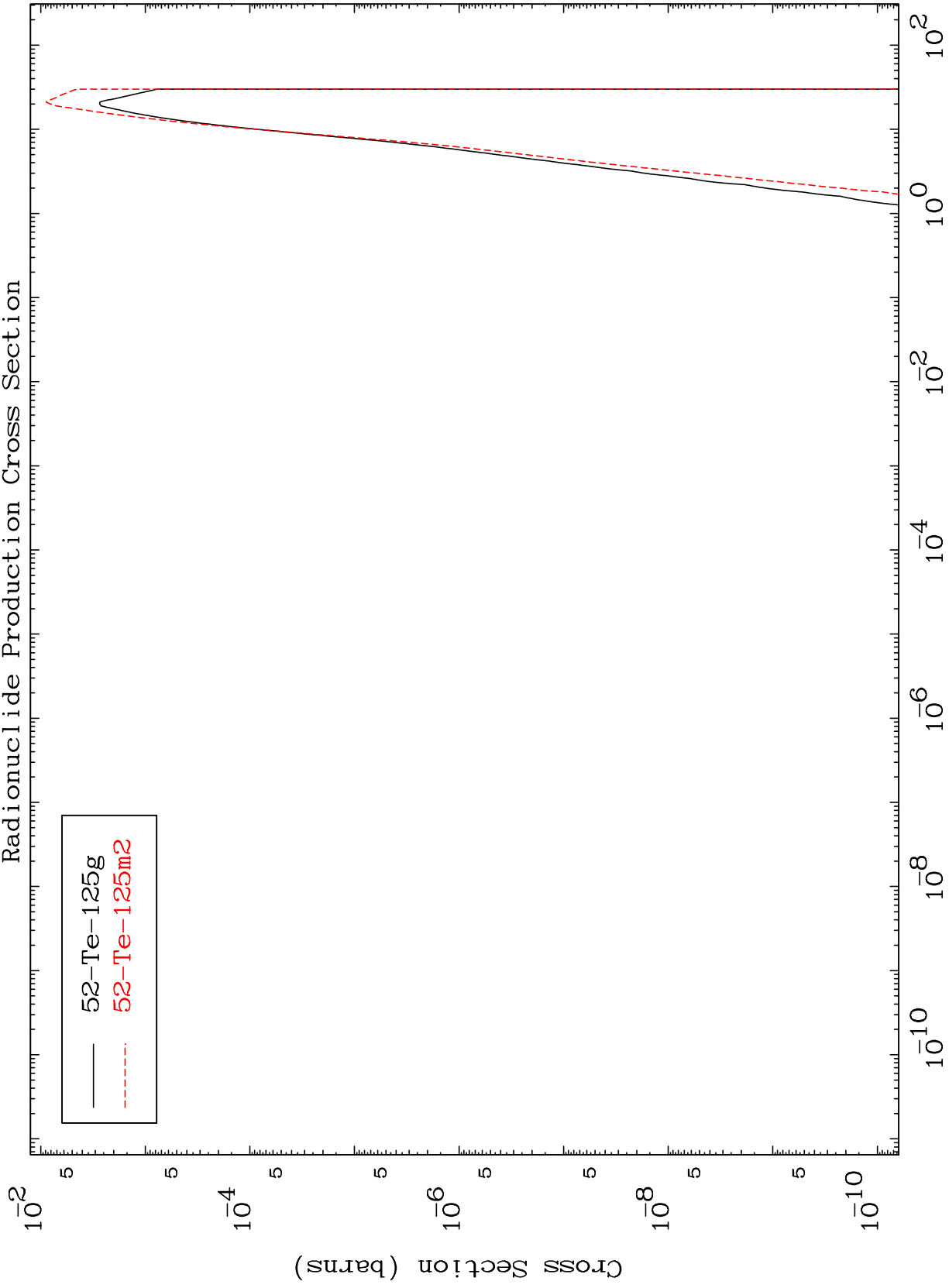
Incident Energy (MeV)

MAT 5437

(n,  $\alpha$ )

54-Xe-128

Radionuclide Production Cross Section



132

Incident Energy (MeV)

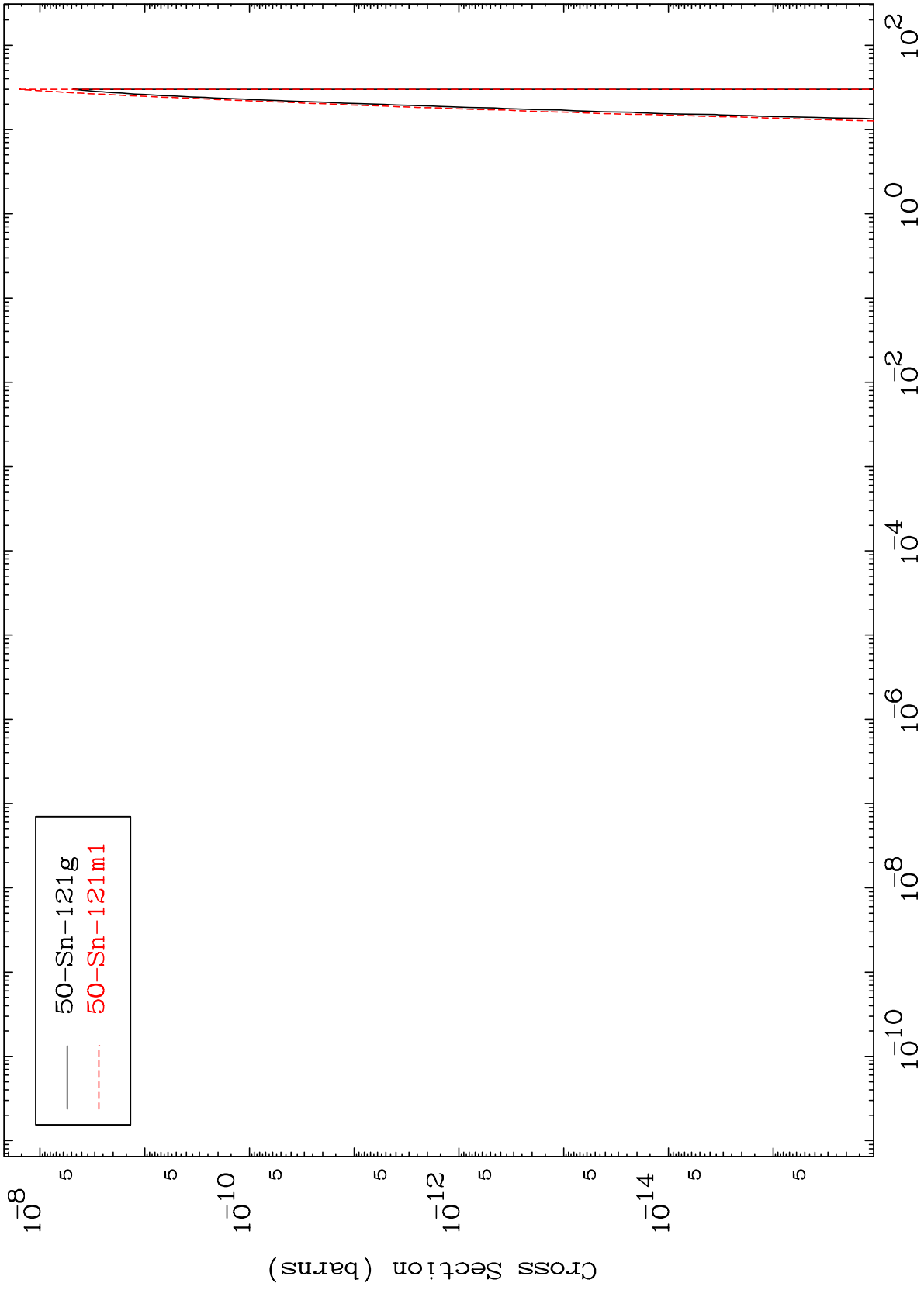
54-Xe-128

MAT 5437

(n,2α)

54-Xe-128

Radionuclide Production Cross Section



133

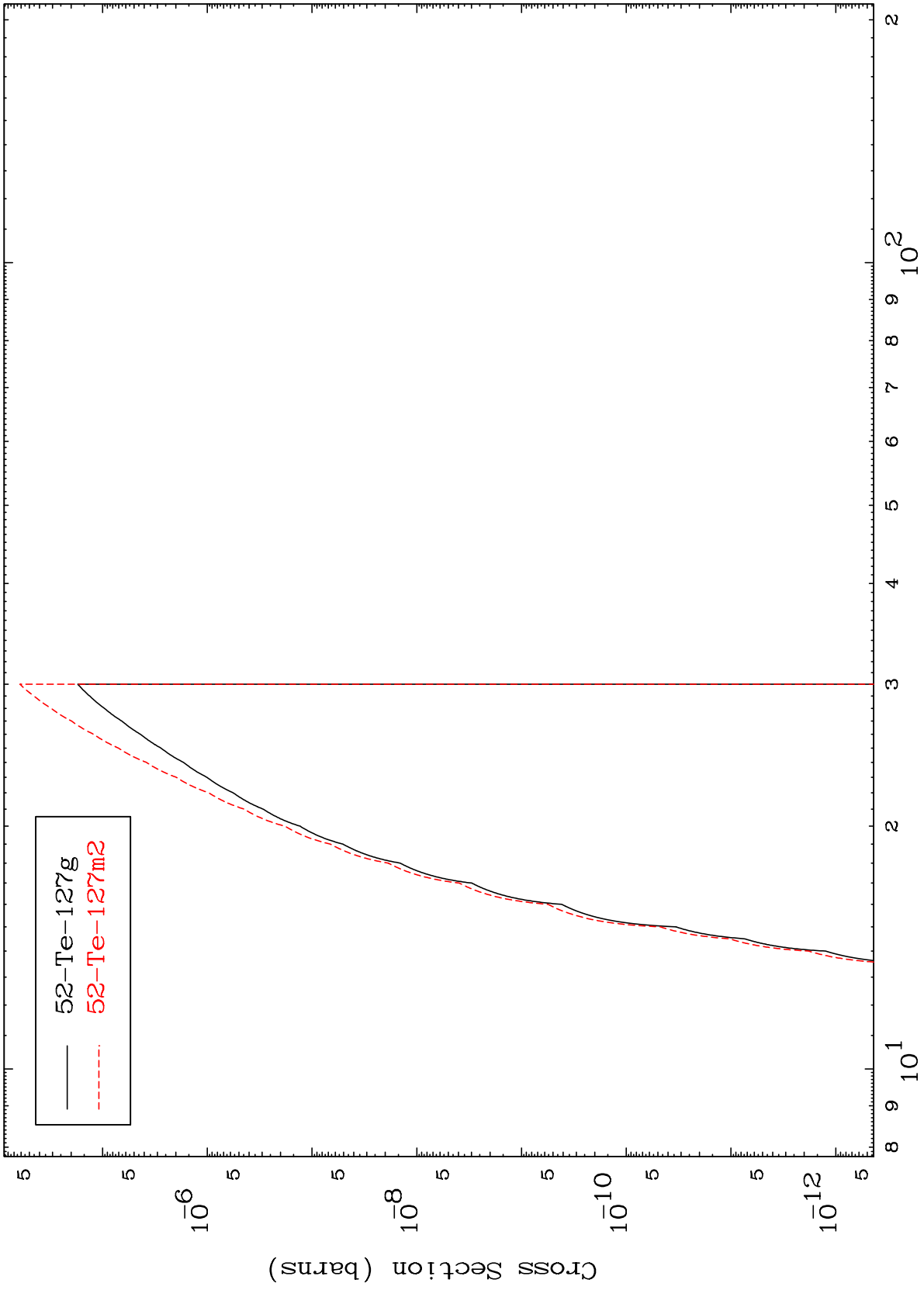
Incident Energy (MeV)

54-Xe-128

MAT 5437

54-Xe-128

(n,2p)  
Radionuclide Production Cross Section



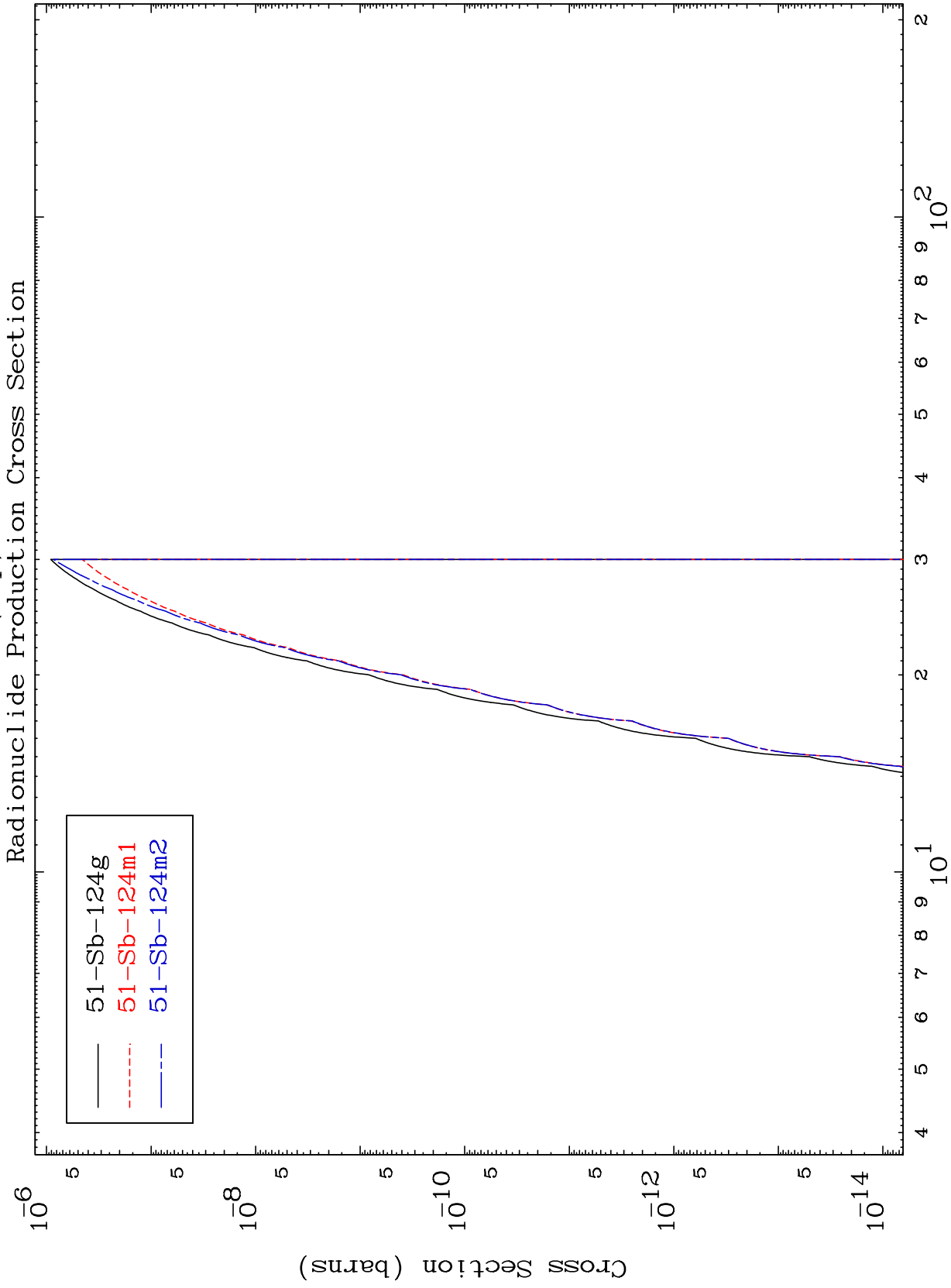
134

54-Xe-128

MAT 5437

(n,p)  $\alpha$

54-Xe-128



135

Incident Energy (MeV)

54-Xe-128

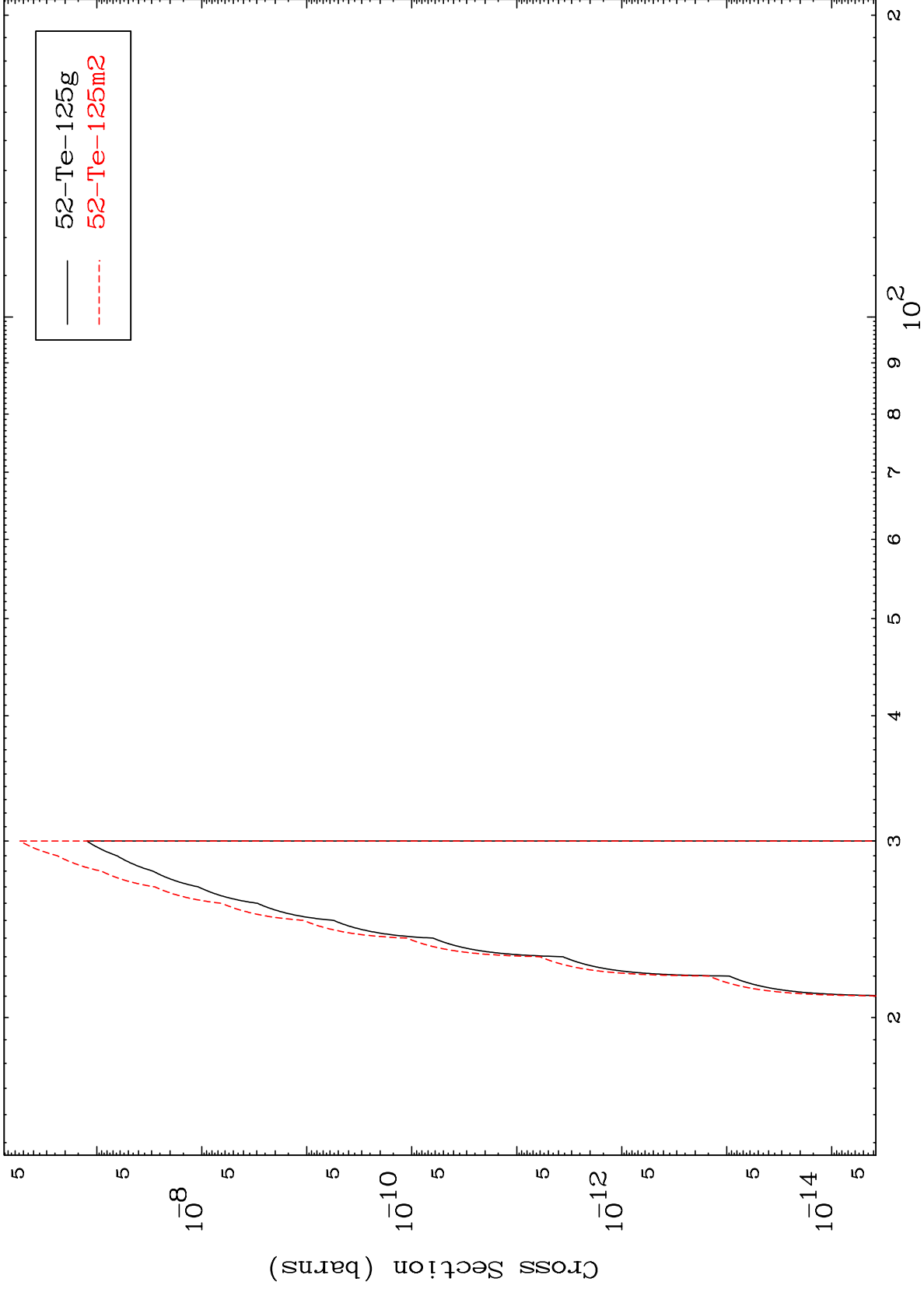


MAT 5437

(n,p) t

54-Xe-128

Radionuclide Production Cross Section



136

Incident Energy (MeV)

54-Xe-128