

Program EVALPLOT  
(Version 2018-1)

by

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(Present Contact Information)

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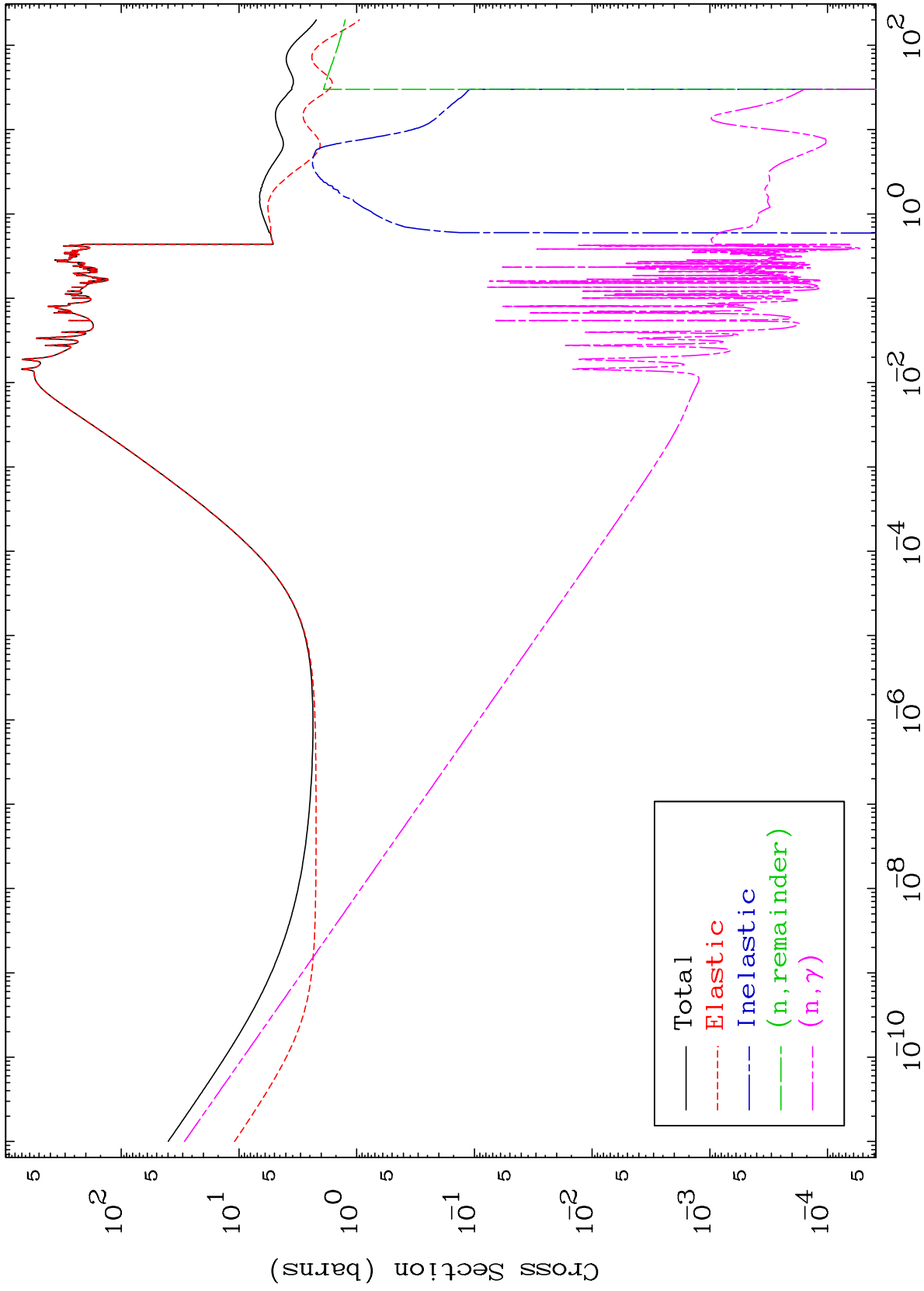
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5467

Major  
293 Kelvin Cross Sections

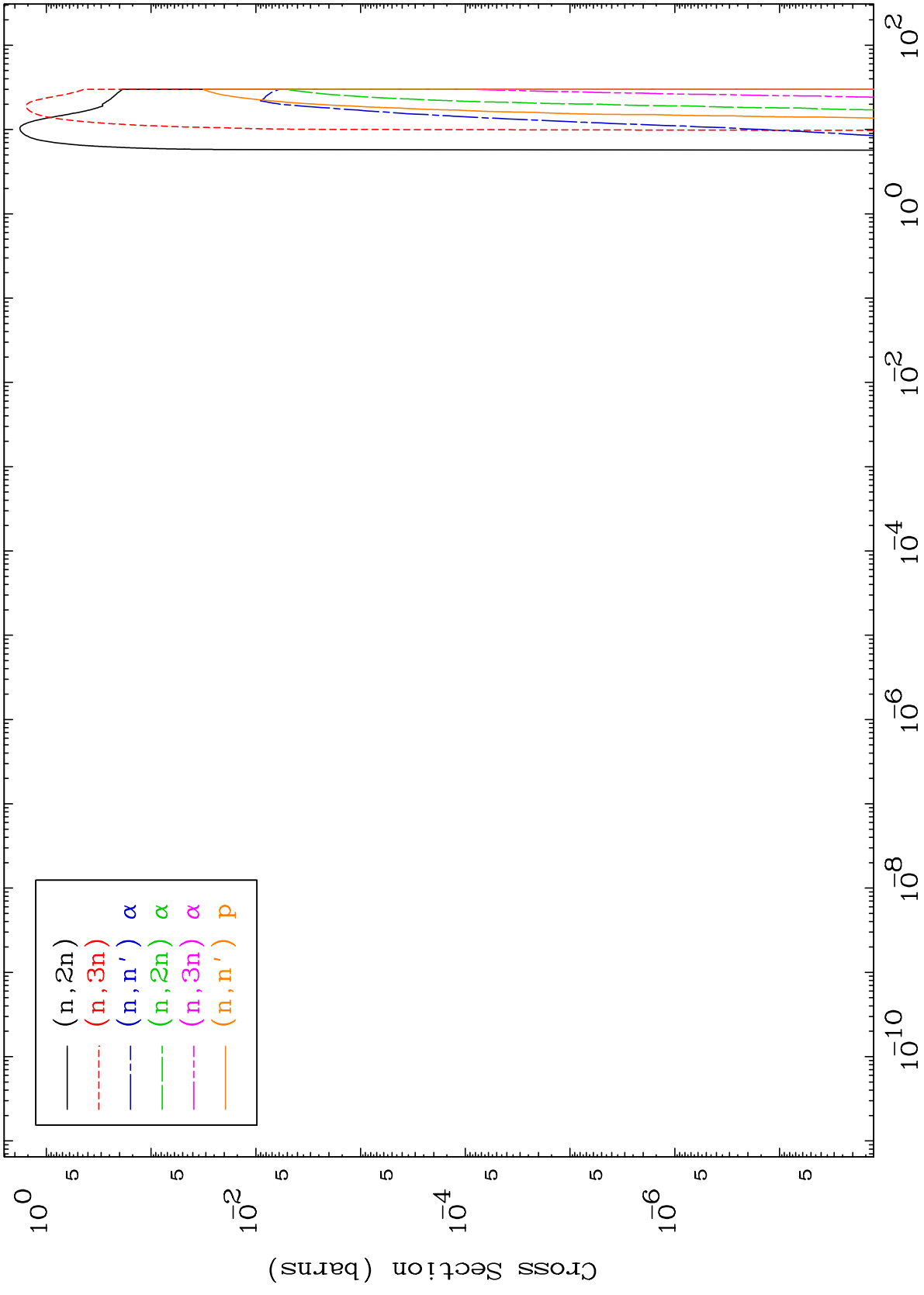
54-Xe-138



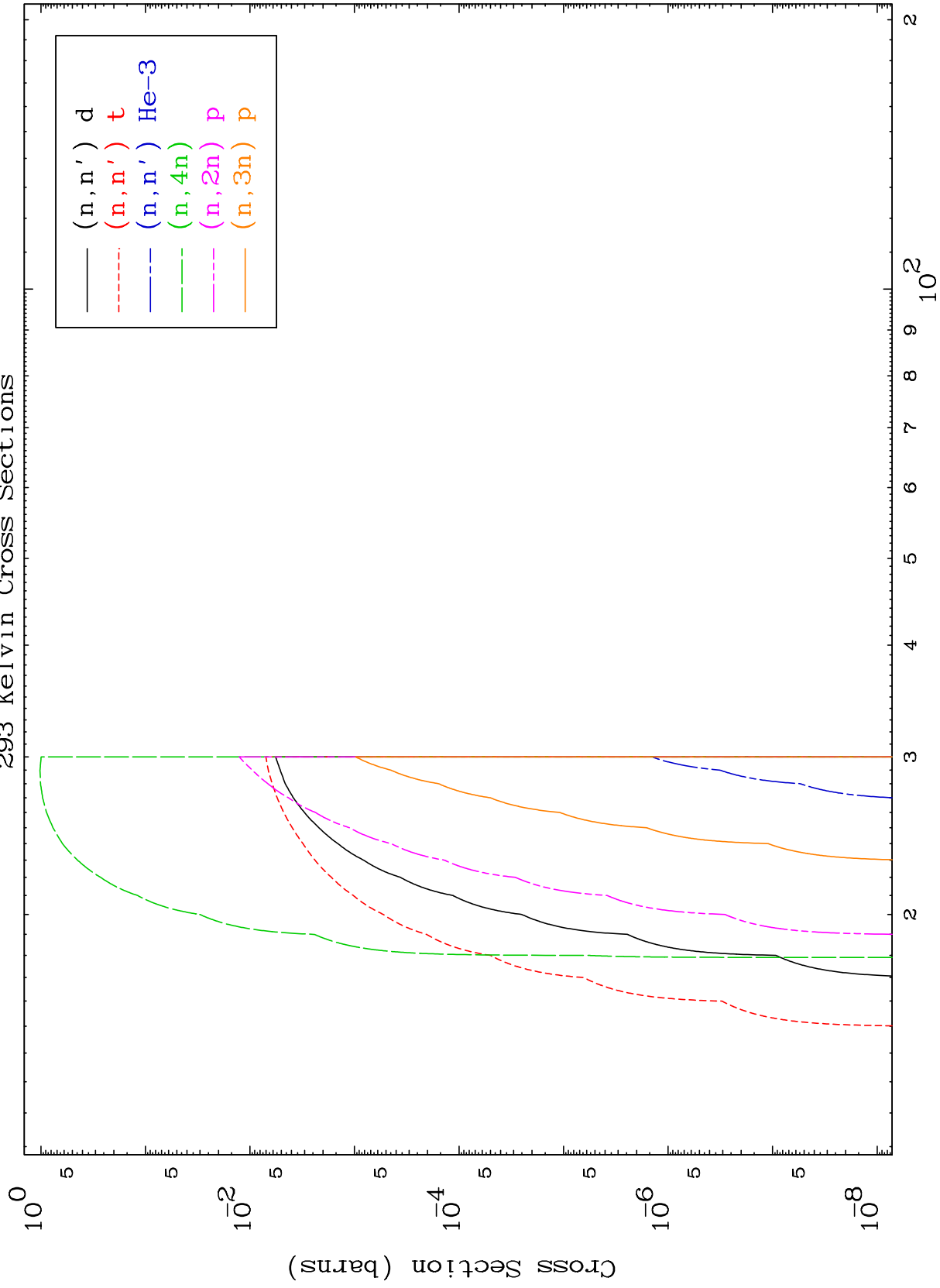
MAT 5467

Neutron Production  
293 Kelvin Cross Sections

54-Xe-138



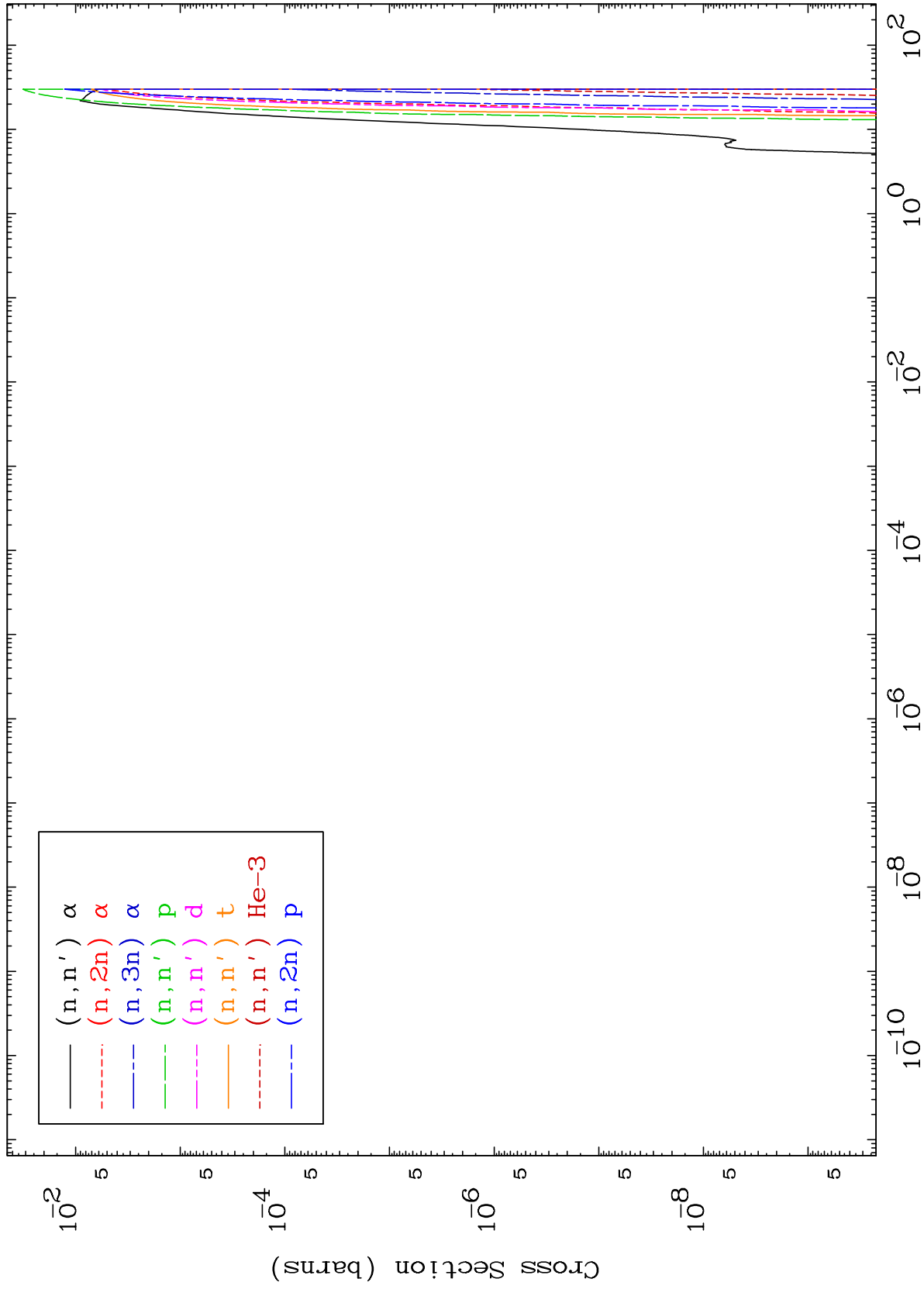
54-Xe-138



MAT 5467

Charged Particle  
293 Kelvin Cross Sections

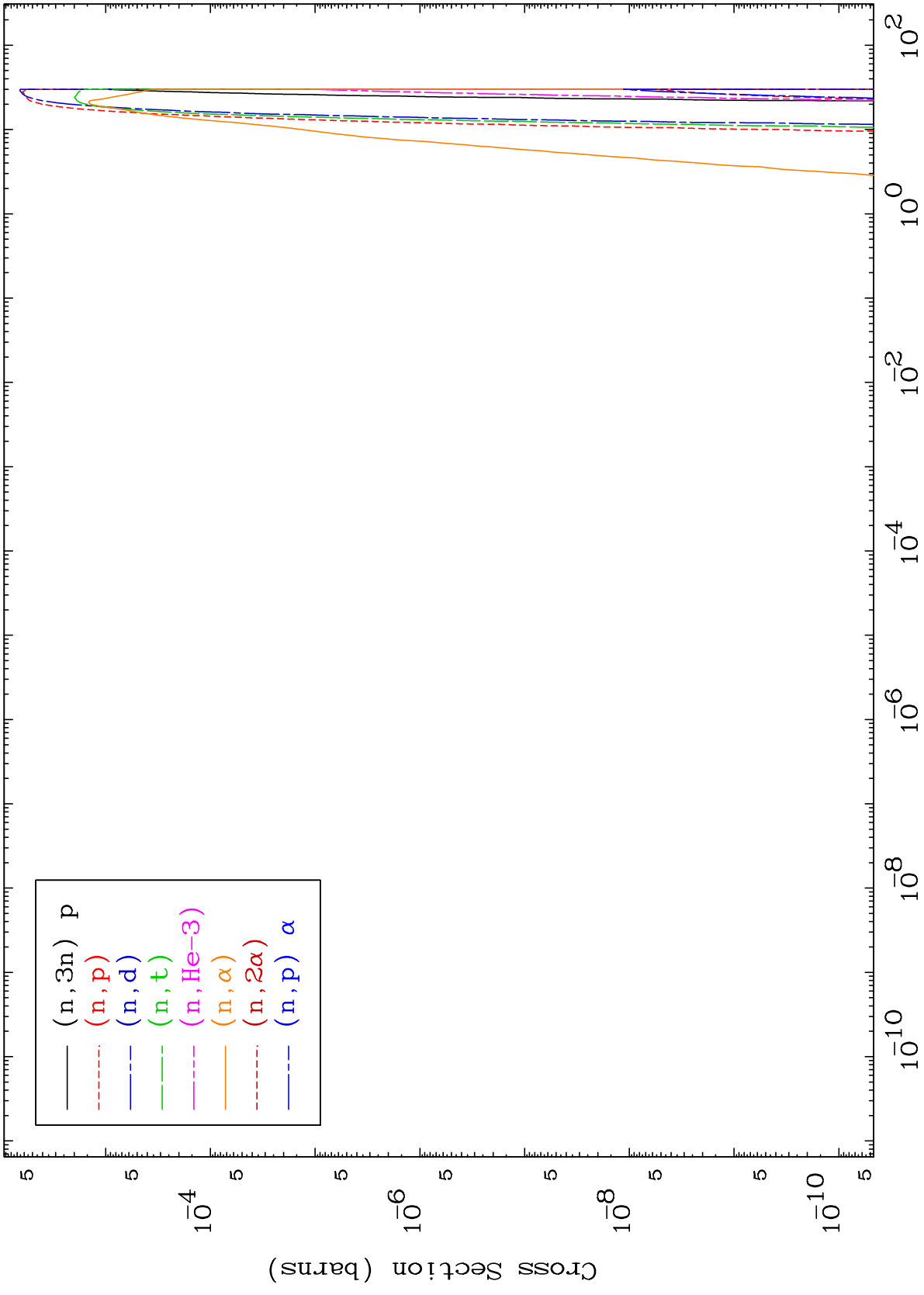
54-Xe-138



MAT 5467

Charged Particle  
293 Kelvin Cross Sections

54-Xe-138

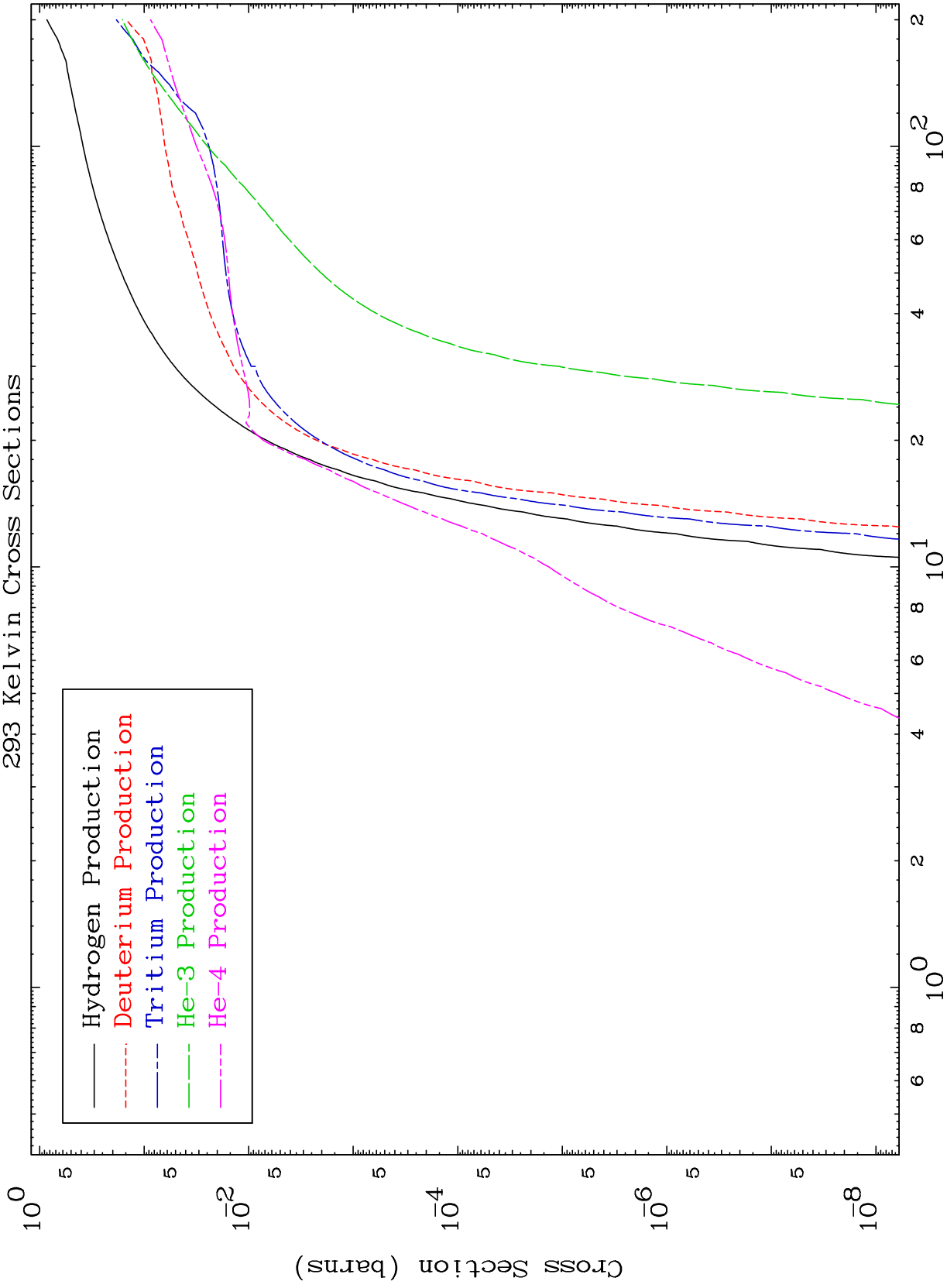


54-Xe-138

MAT 5467

Particle Production  
293 Kelvin Cross Sections

54-Xe-138



6

Incident Energy (MeV)

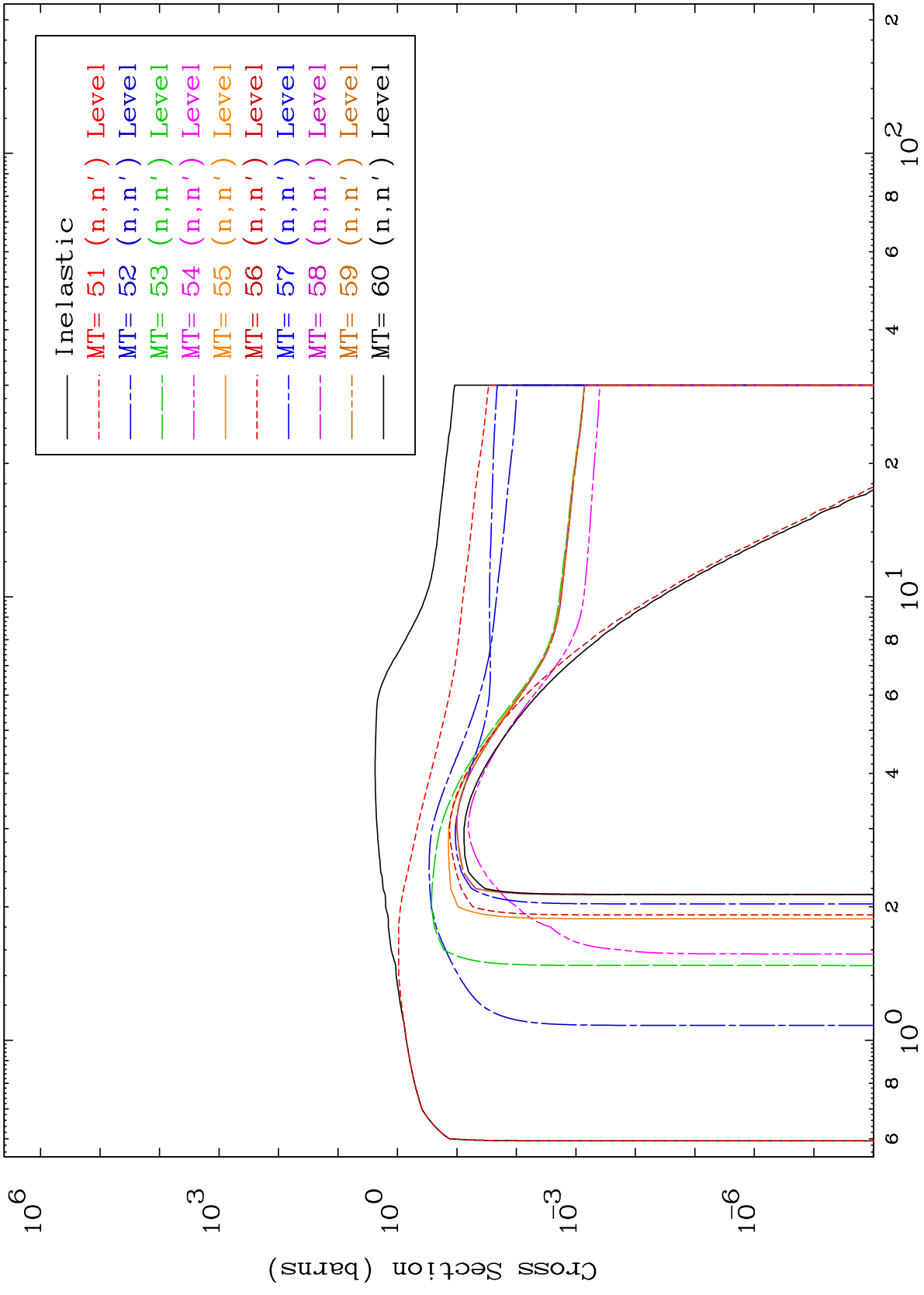
54-Xe-138

MAT 5467

(n,n') Level

54-Xe-138

293 Kelvin Cross Sections



7

Incident Energy (MeV)

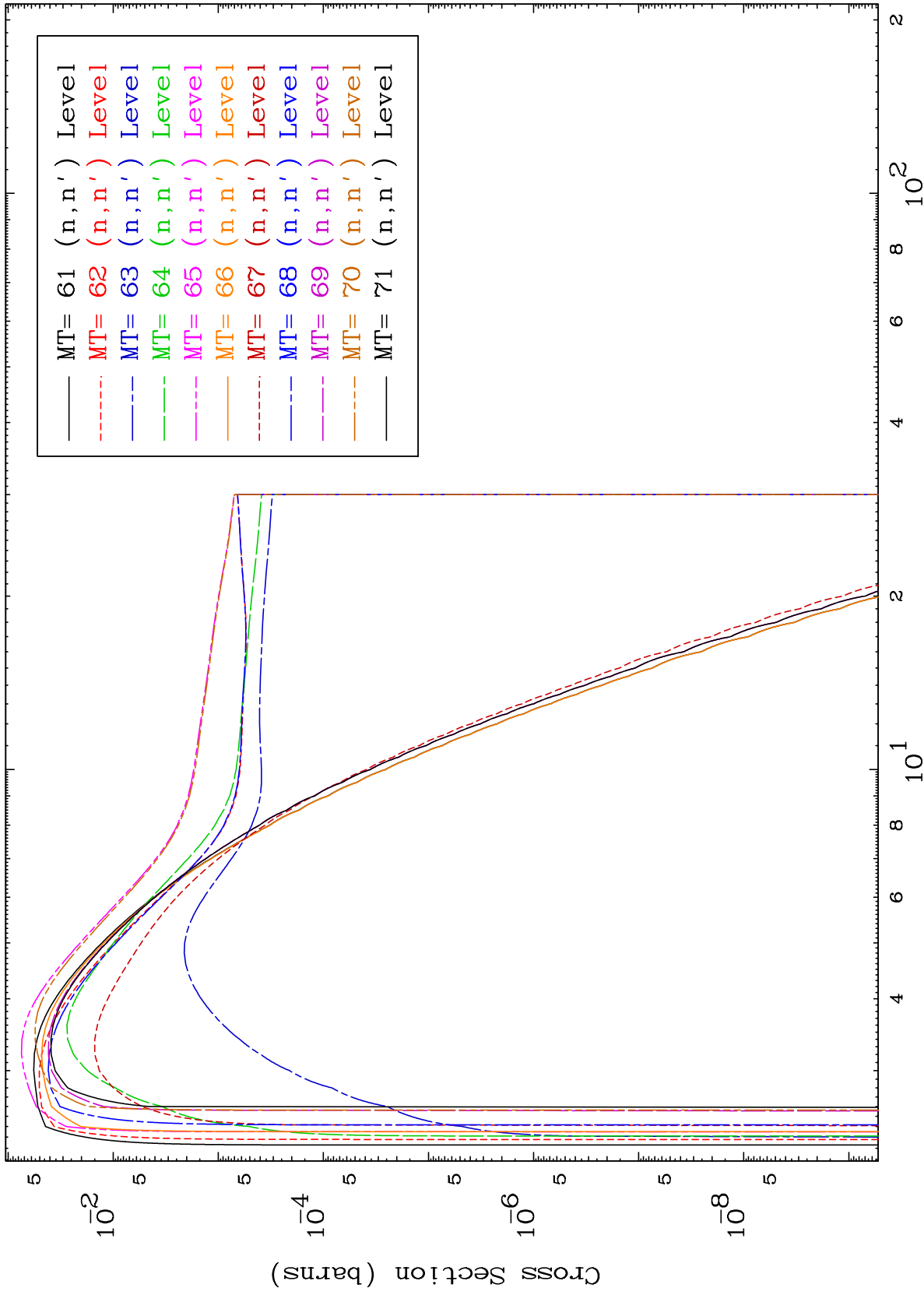
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MAT 5467

(n,n') Level

54-Xe-138

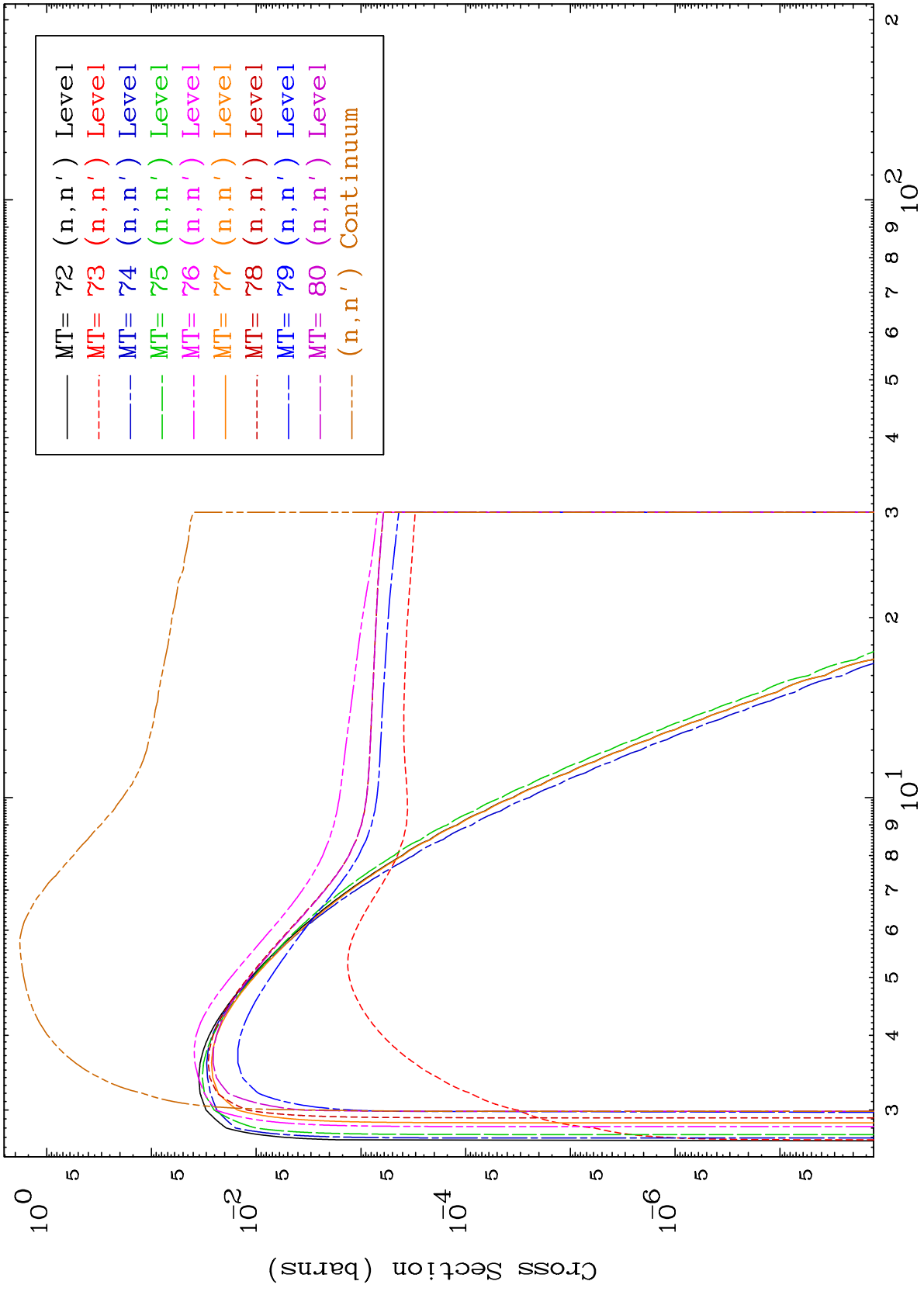
293 Kelvin Cross Sections



8

Incident Energy (MeV)

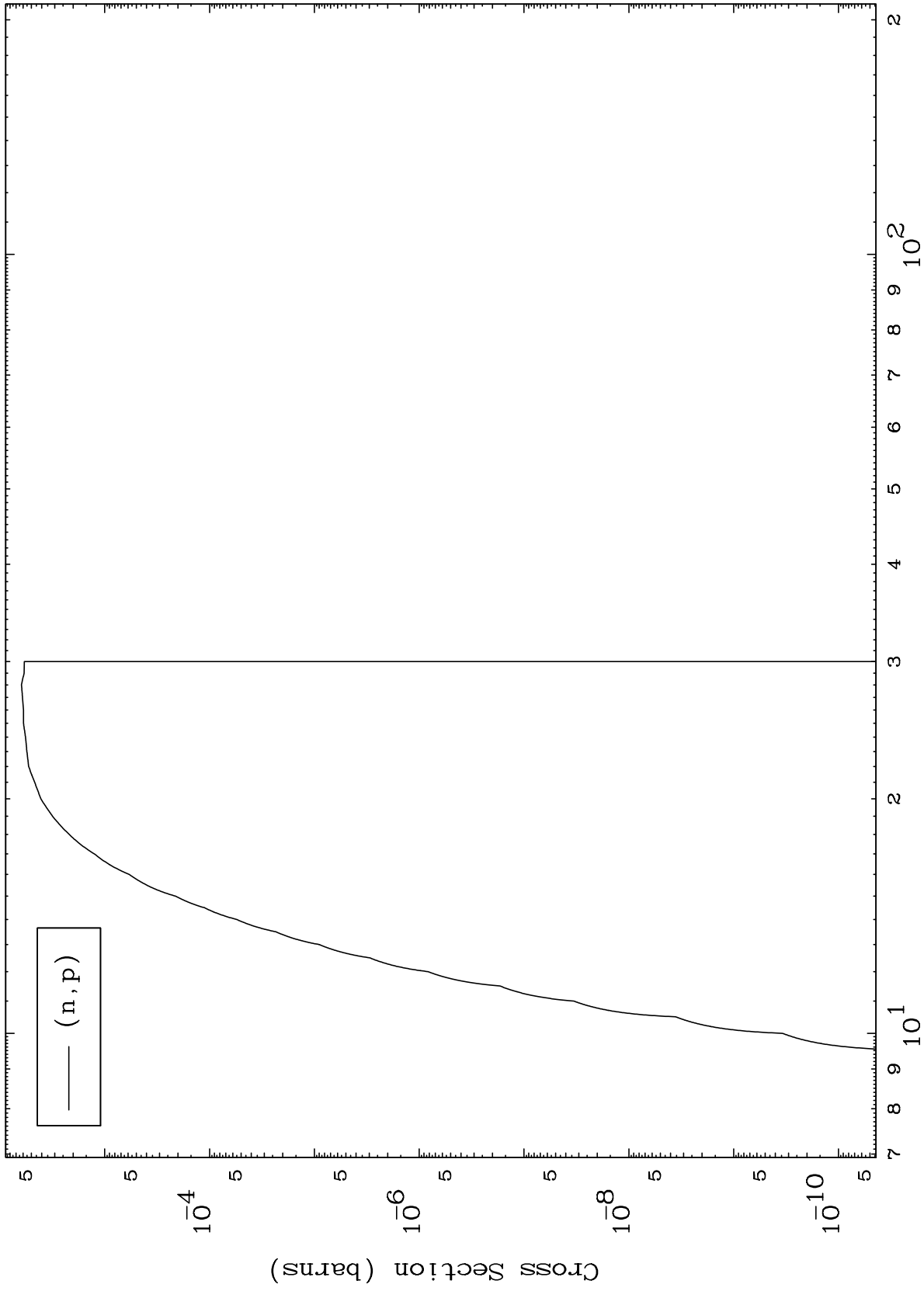
54-Xe-138



MAT 5467

(n,p) Levels  
293 Kelvin Cross Sections

54-Xe-138



10

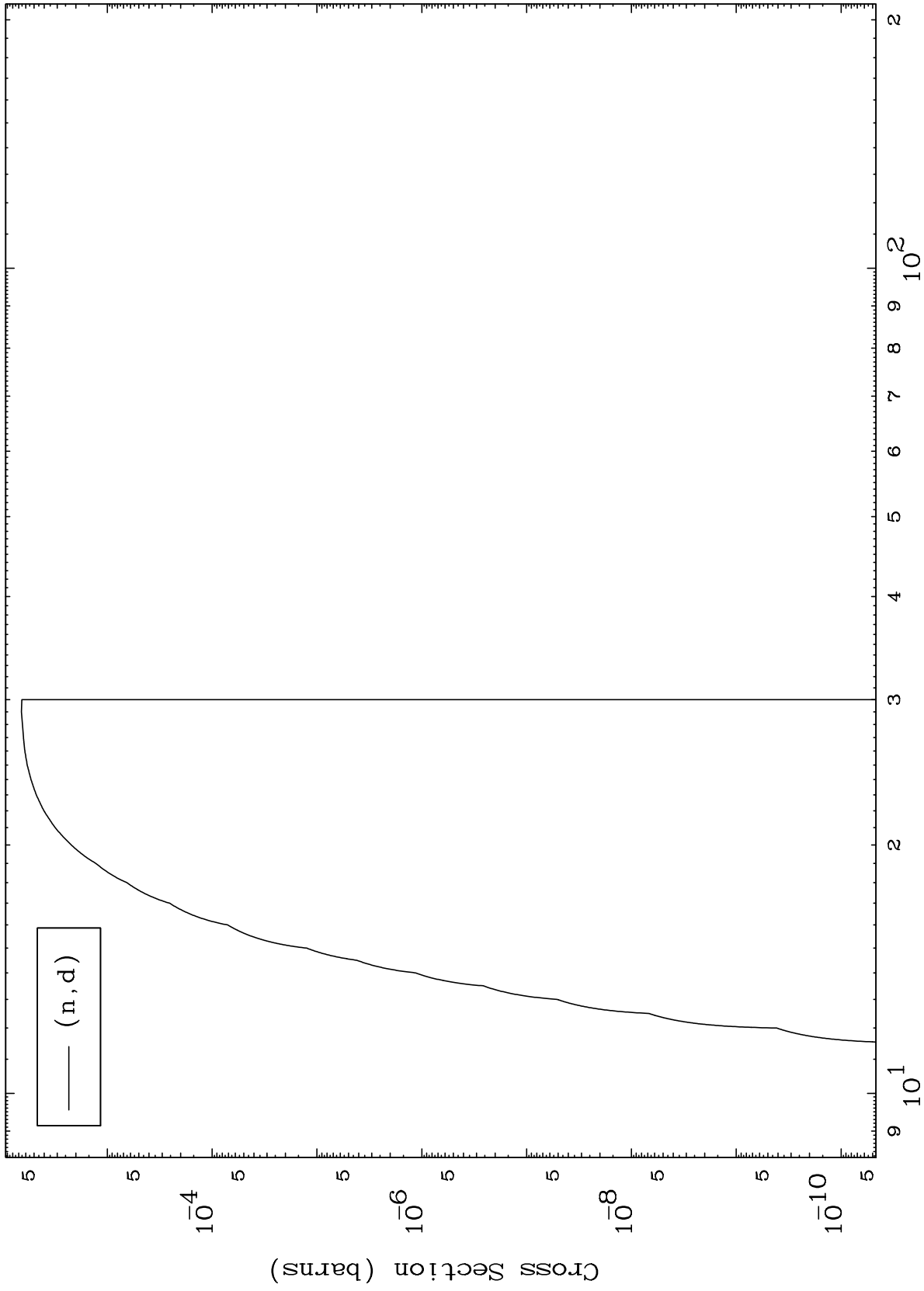
Incident Energy (MeV)

54-Xe-138

MAT 5467

(n,d) Levels  
293 Kelvin Cross Sections

54-Xe-138



11

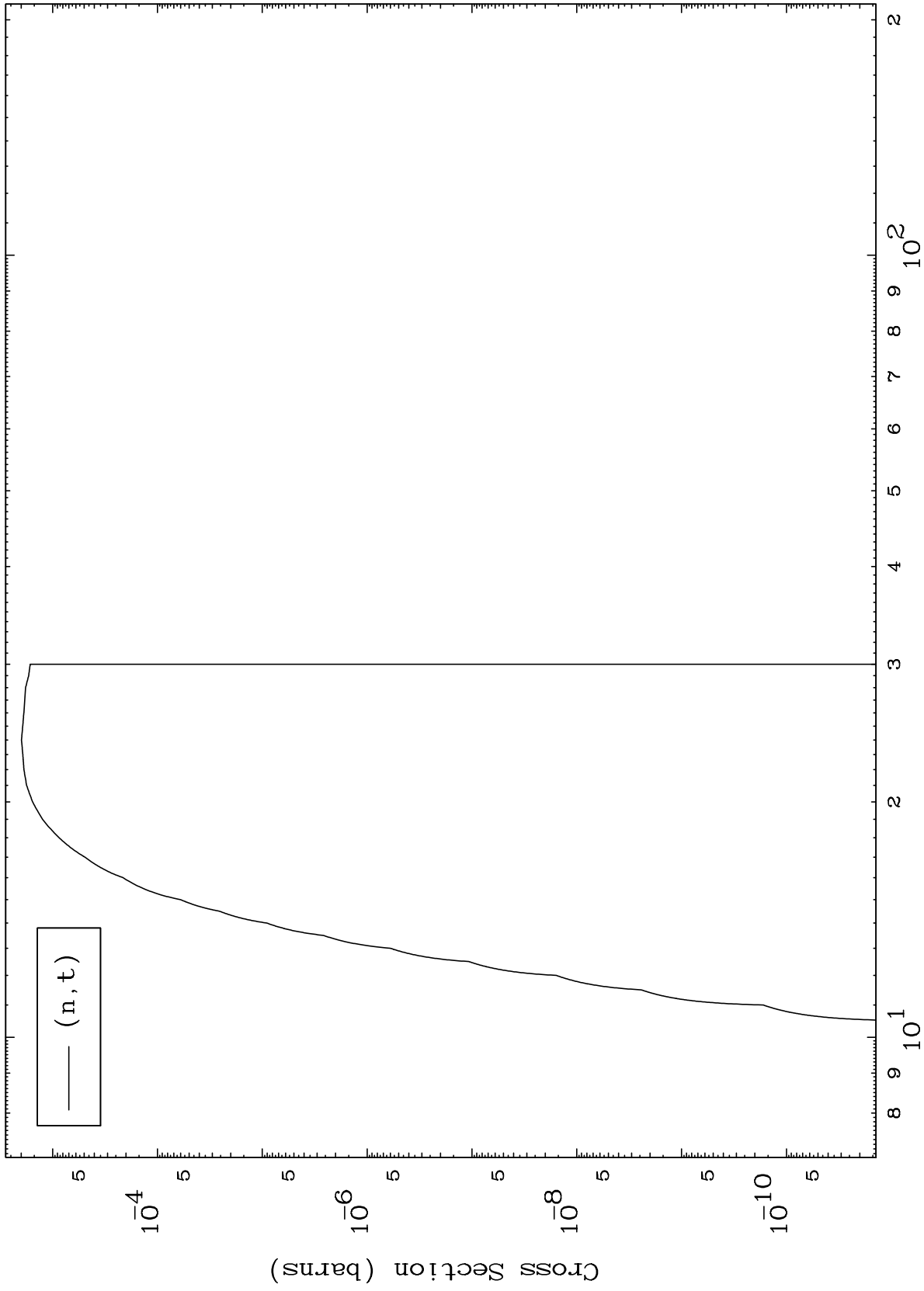
Incident Energy (MeV)

54-Xe-138

MAT 5467

(n,t) Levels  
293 Kelvin Cross Sections

54-Xe-138



12

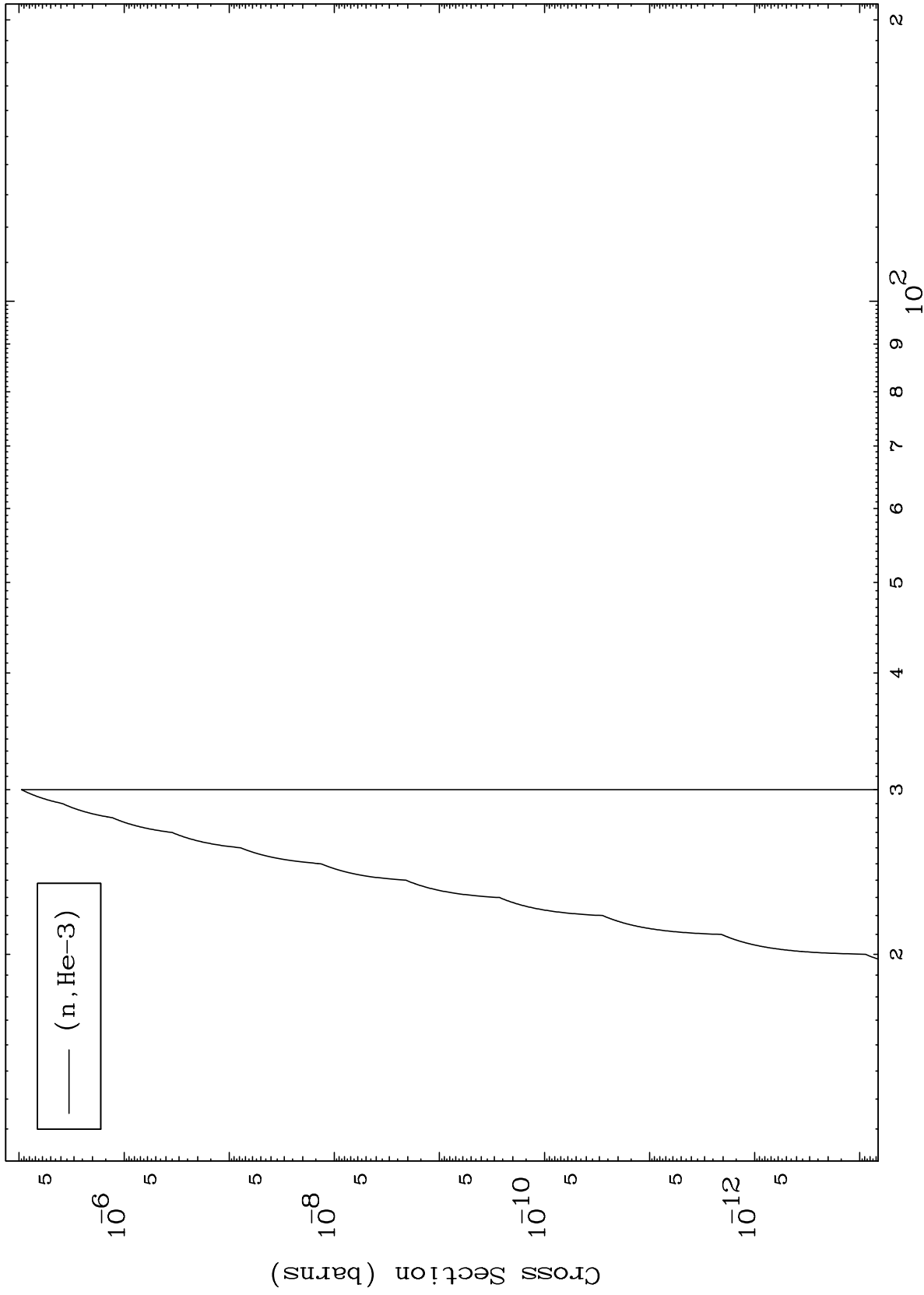
Incident Energy (MeV)

54-Xe-138

MAT 5467

(n,He3) Levels  
293 Kelvin Cross Sections

54-Xe-138



13

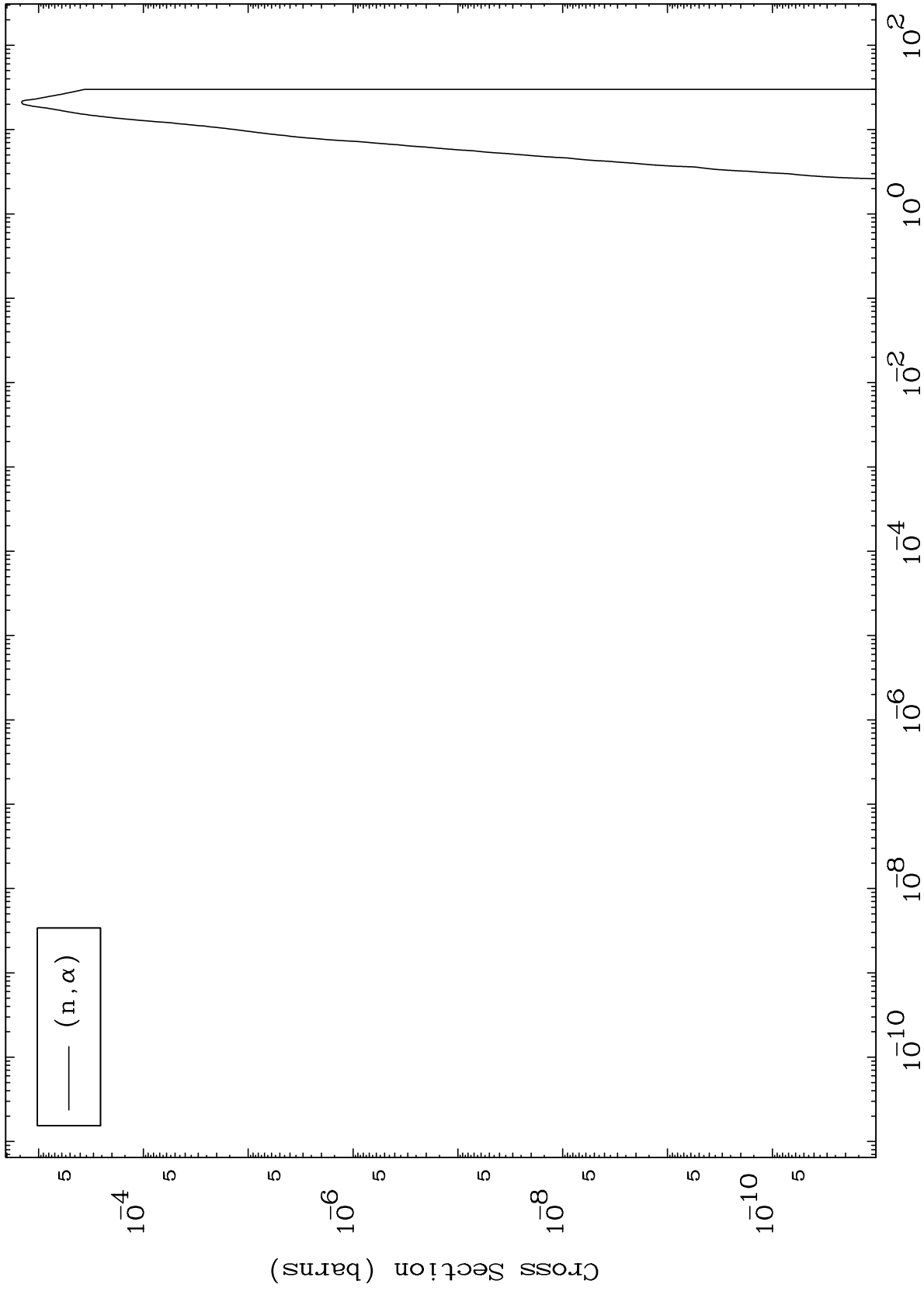
Incident Energy (MeV)

54-Xe-138

MAT 5467

(n,α) Levels  
293 Kelvin Cross Sections

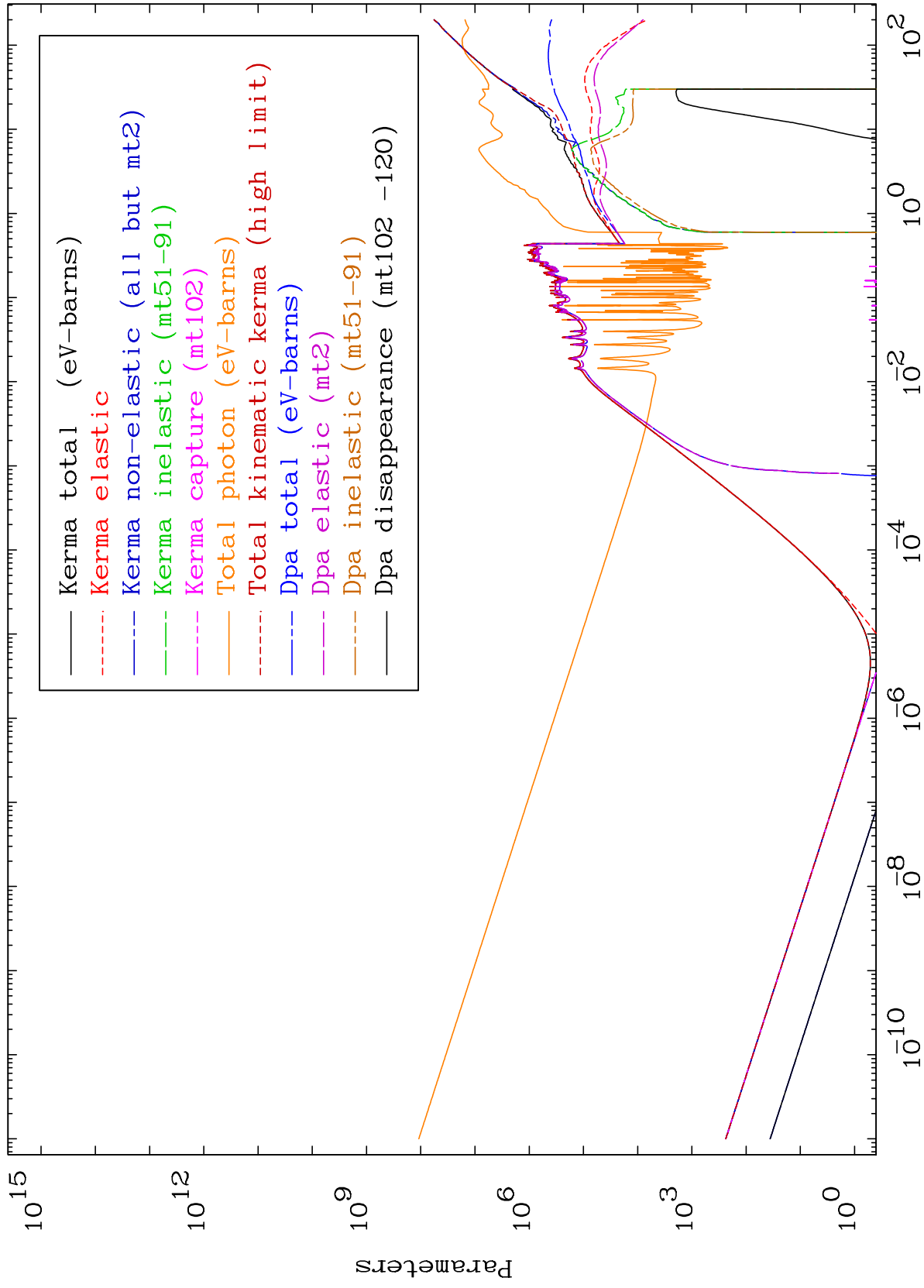
54-Xe-138



14

Incident Energy (MeV)

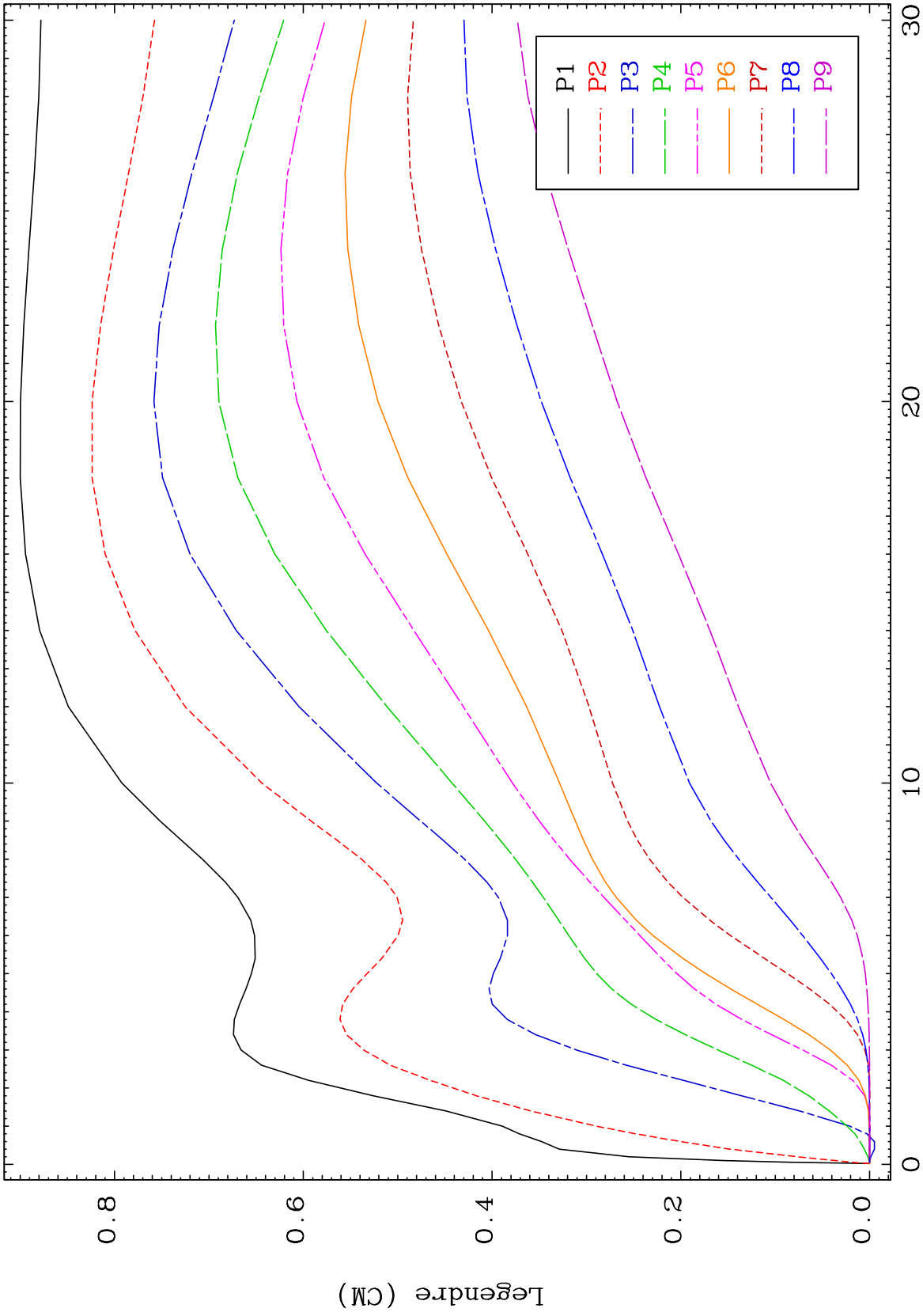
54-Xe-138



MAT 5467

Elastic Legendre Coefficients

54-Xe-138



16

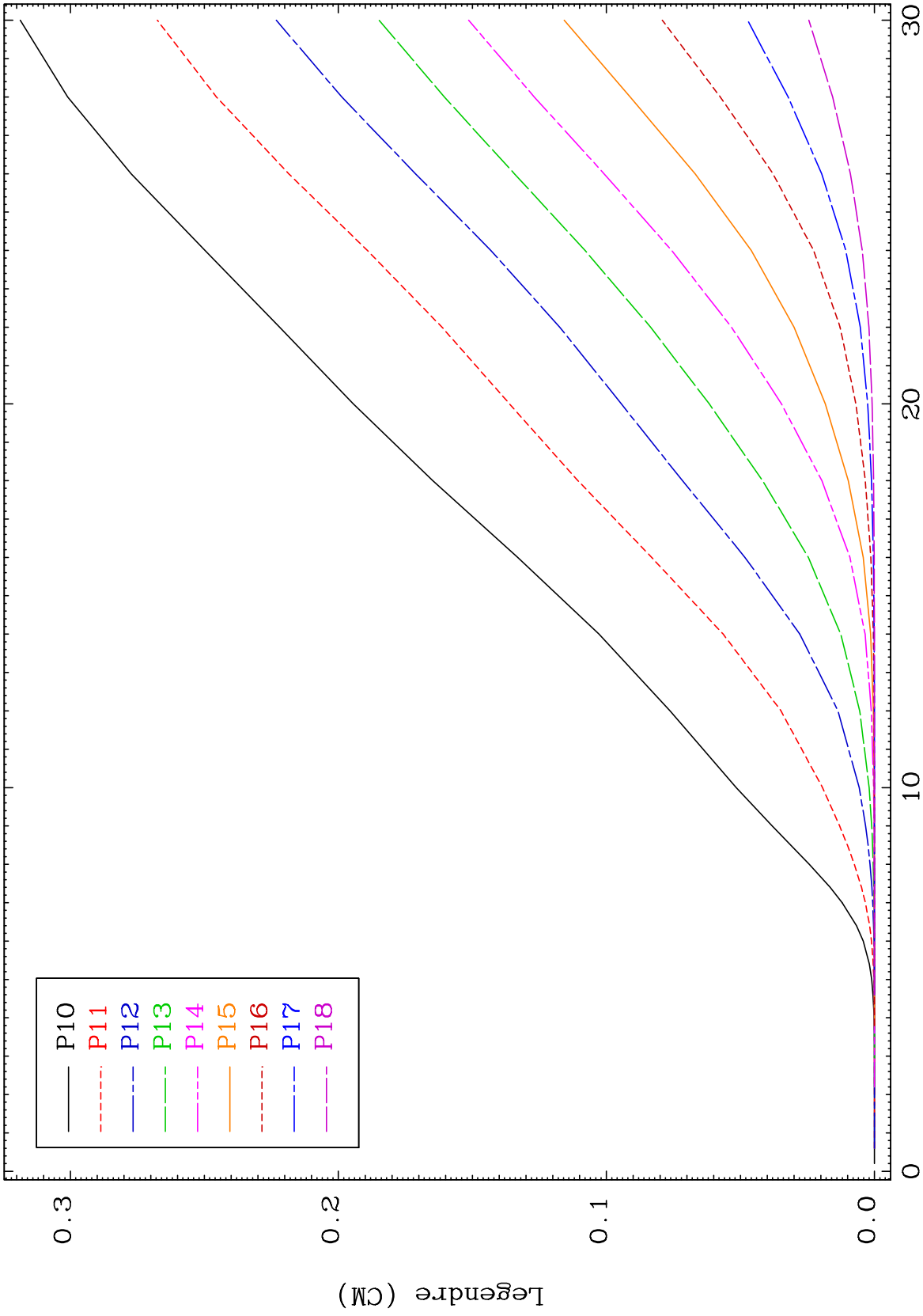
Incident Energy (MeV)

54-Xe-138

MAT 5467

Elastic Legendre Coefficients

54-Xe-138



17

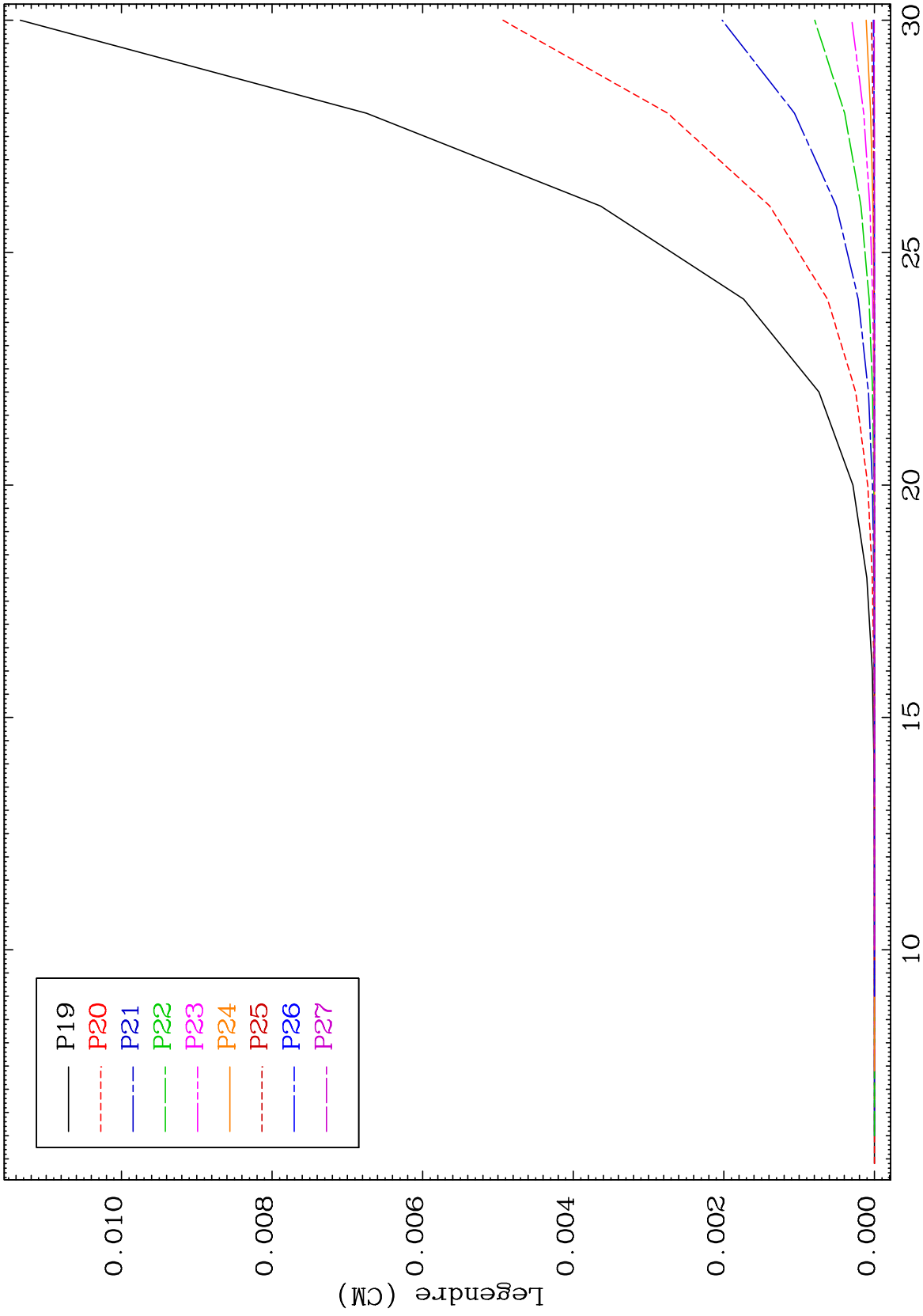
Incident Energy (MeV)

54-Xe-138

MAT 5467

### Elastic Legendre Coefficients

54-Xe-138



18

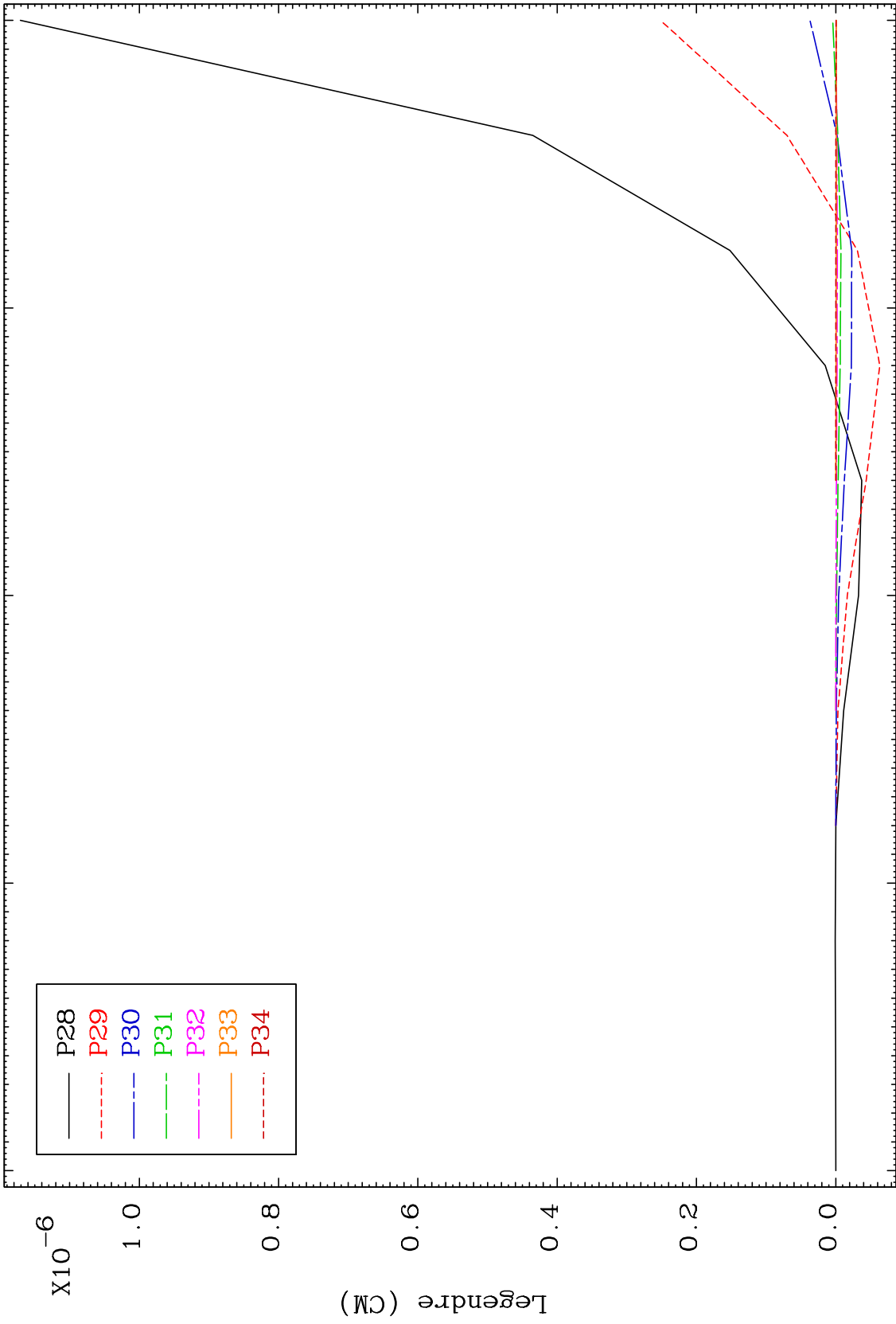
Incident Energy (MeV)

54-Xe-138

MAT 5467

Elastic Legendre Coefficients

54-Xe-138



19

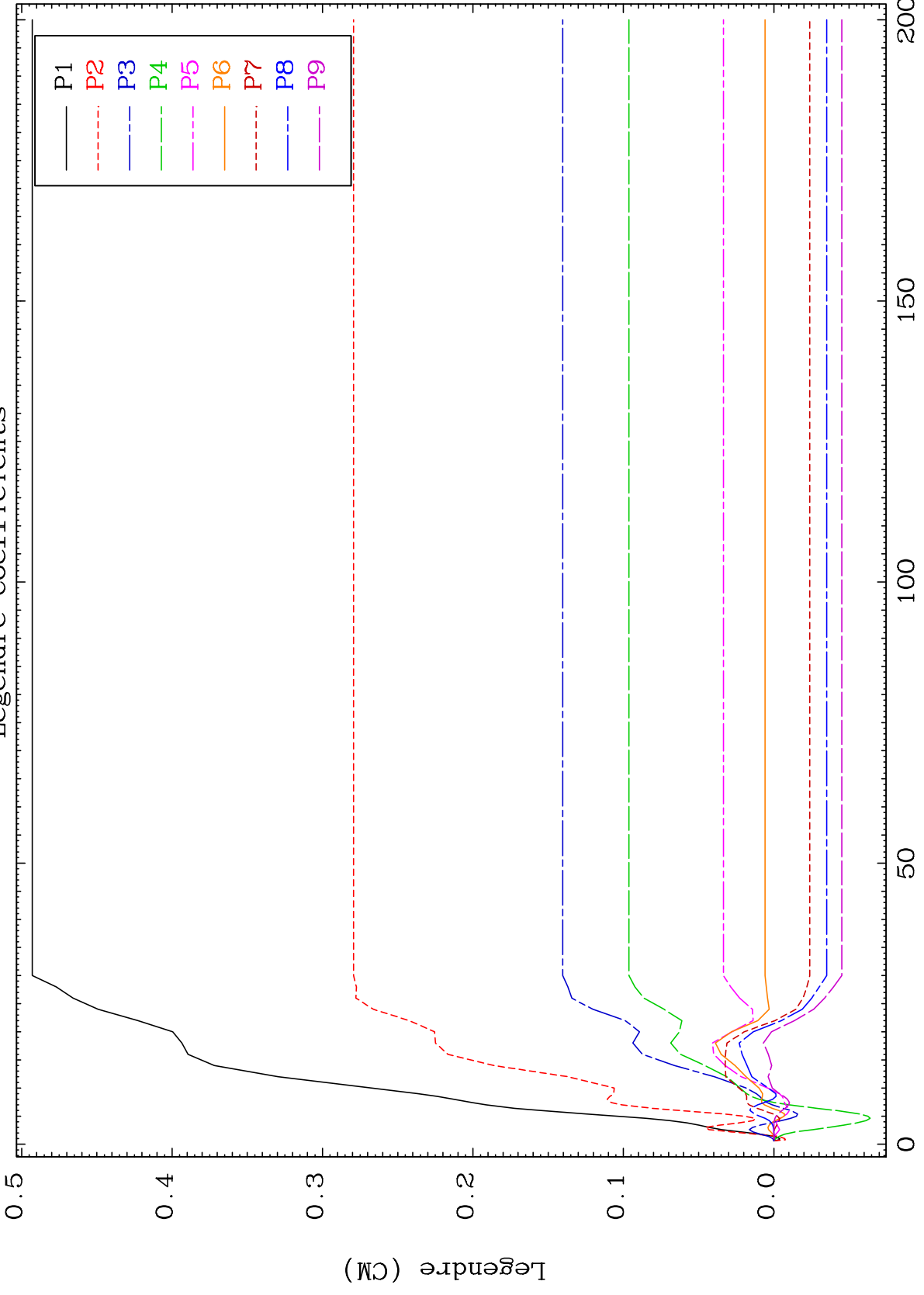
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



20

50

100

150

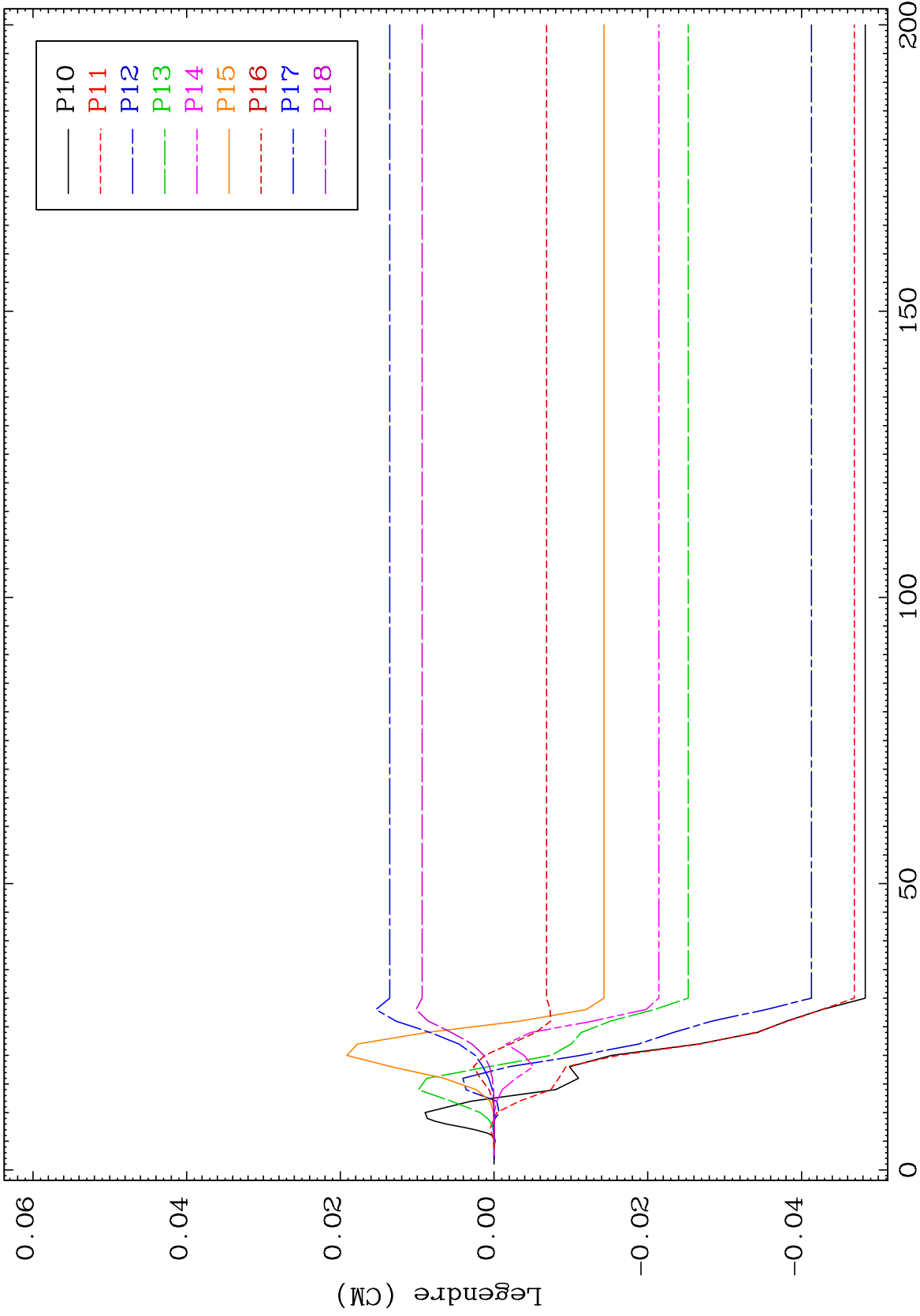
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54-Xe-138

MAT 5467

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

54-Xe-138



21

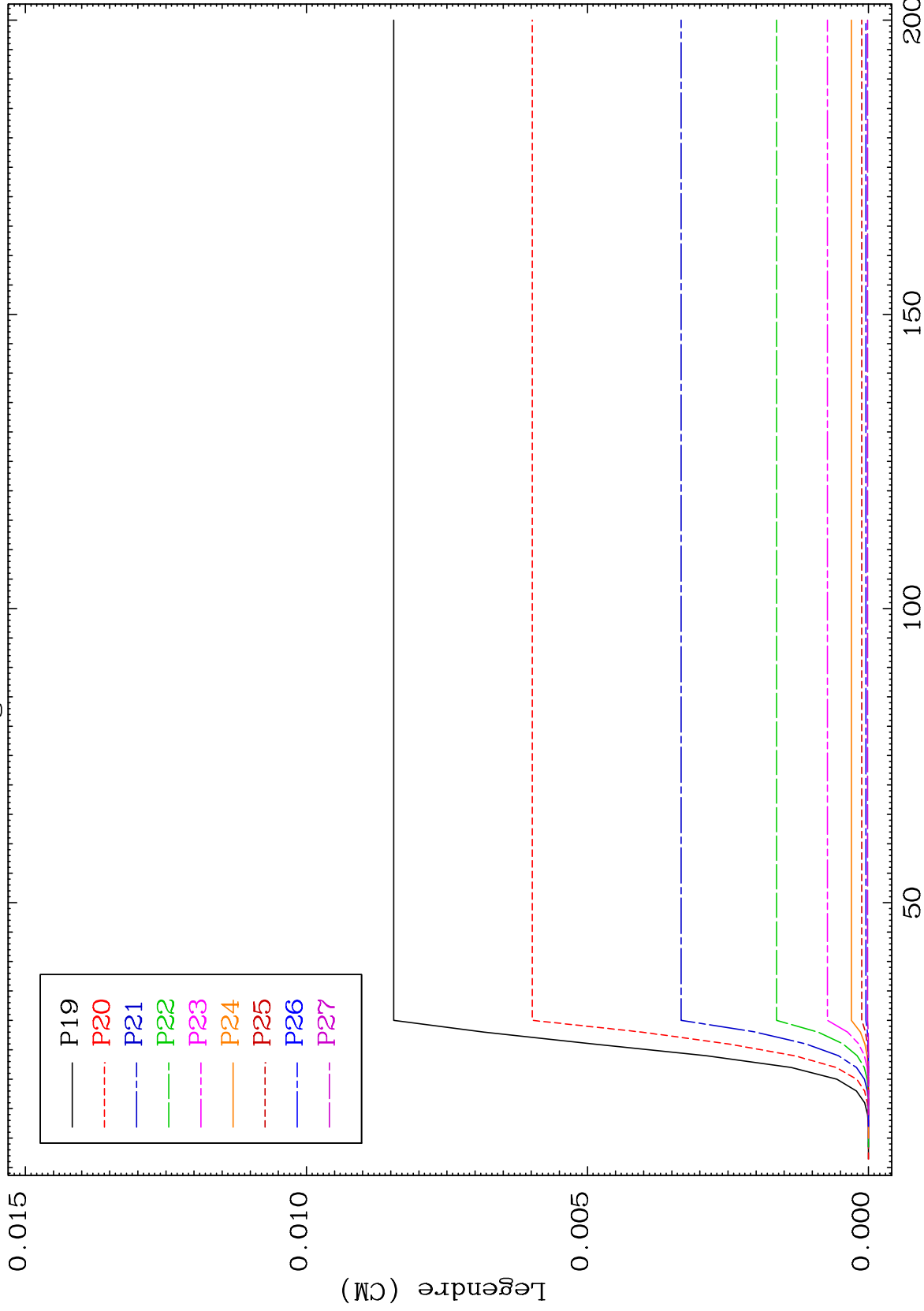
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



22

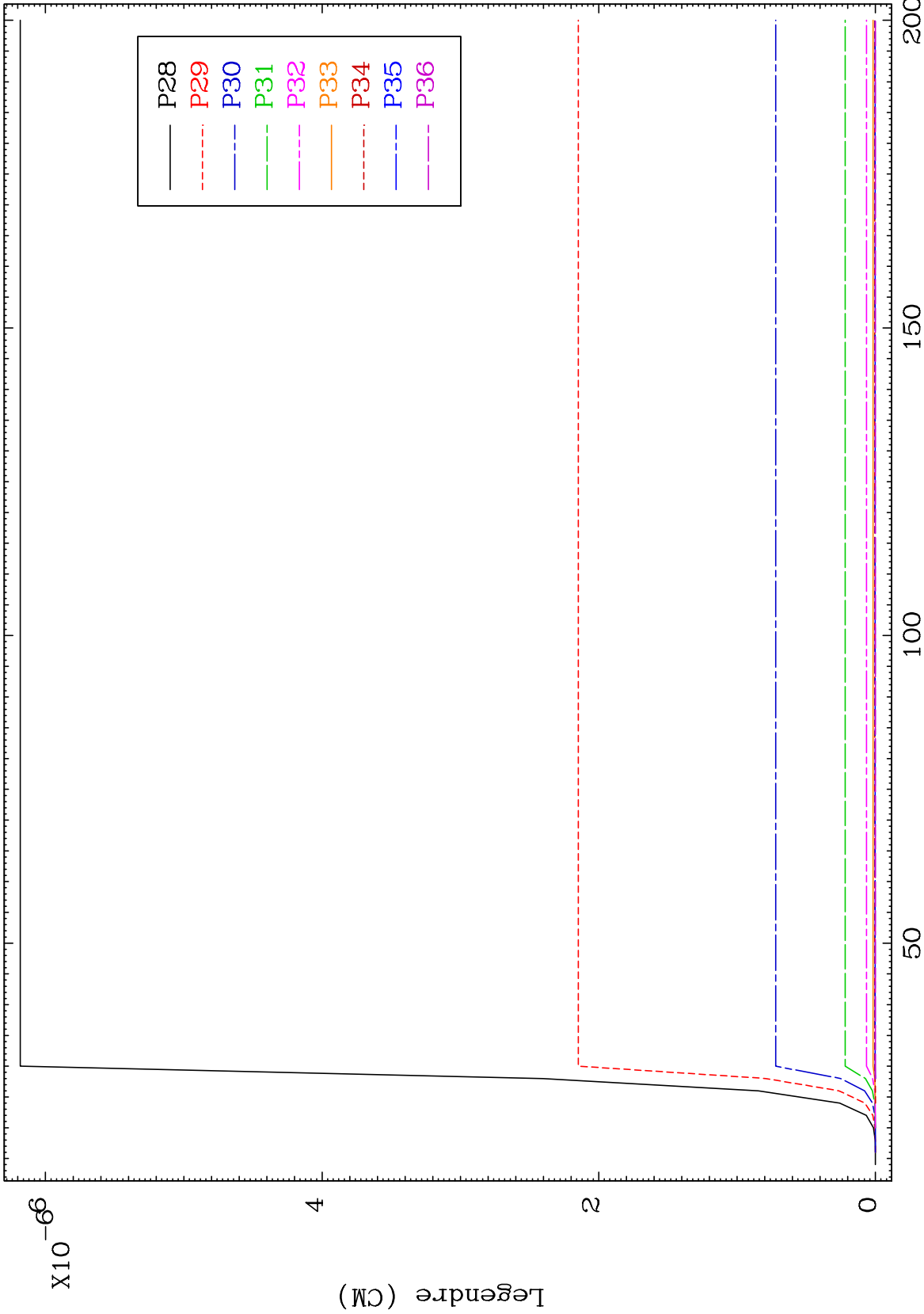
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



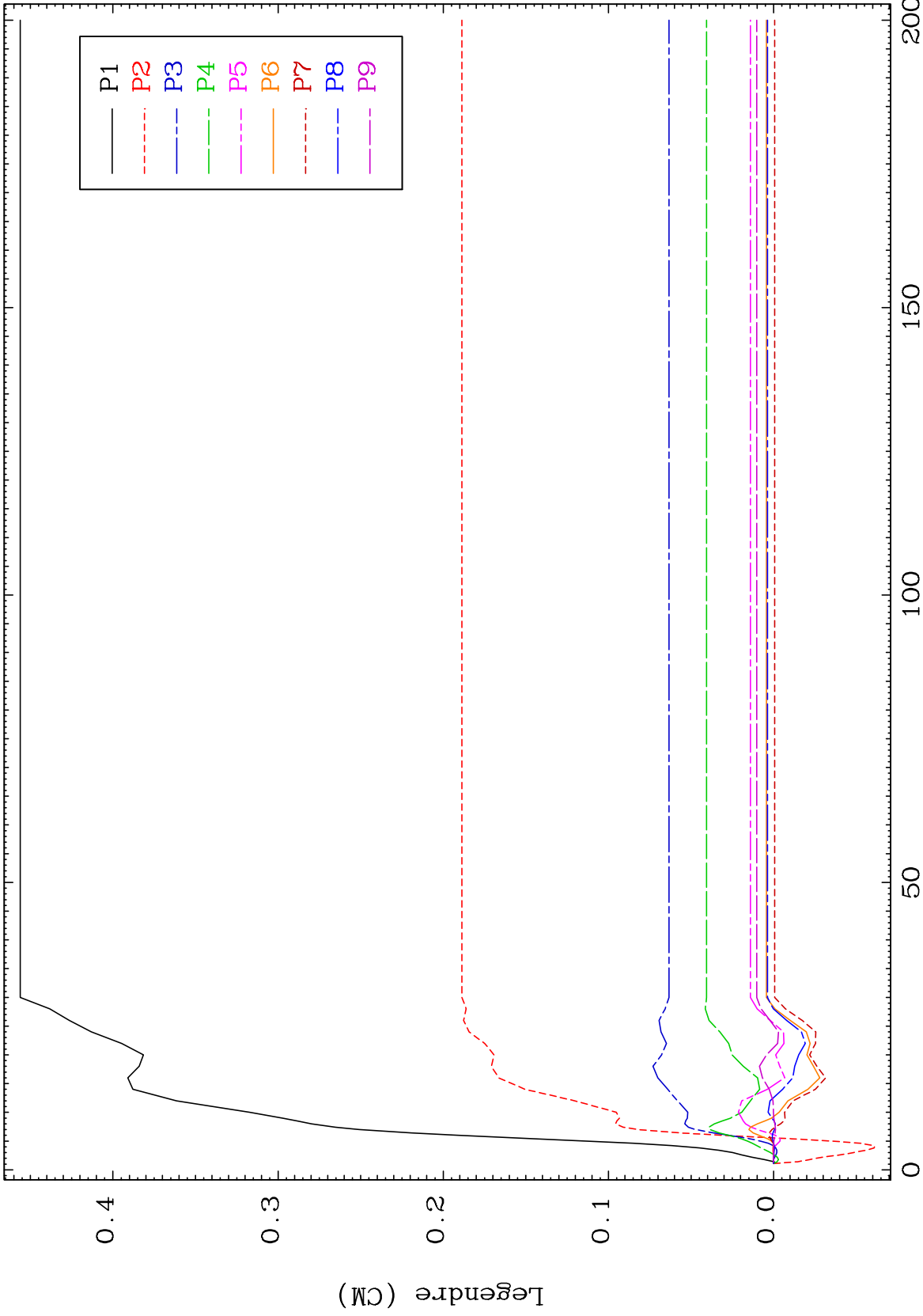
23

54-Xe-138

MAT 5467

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

54-Xe-138



24

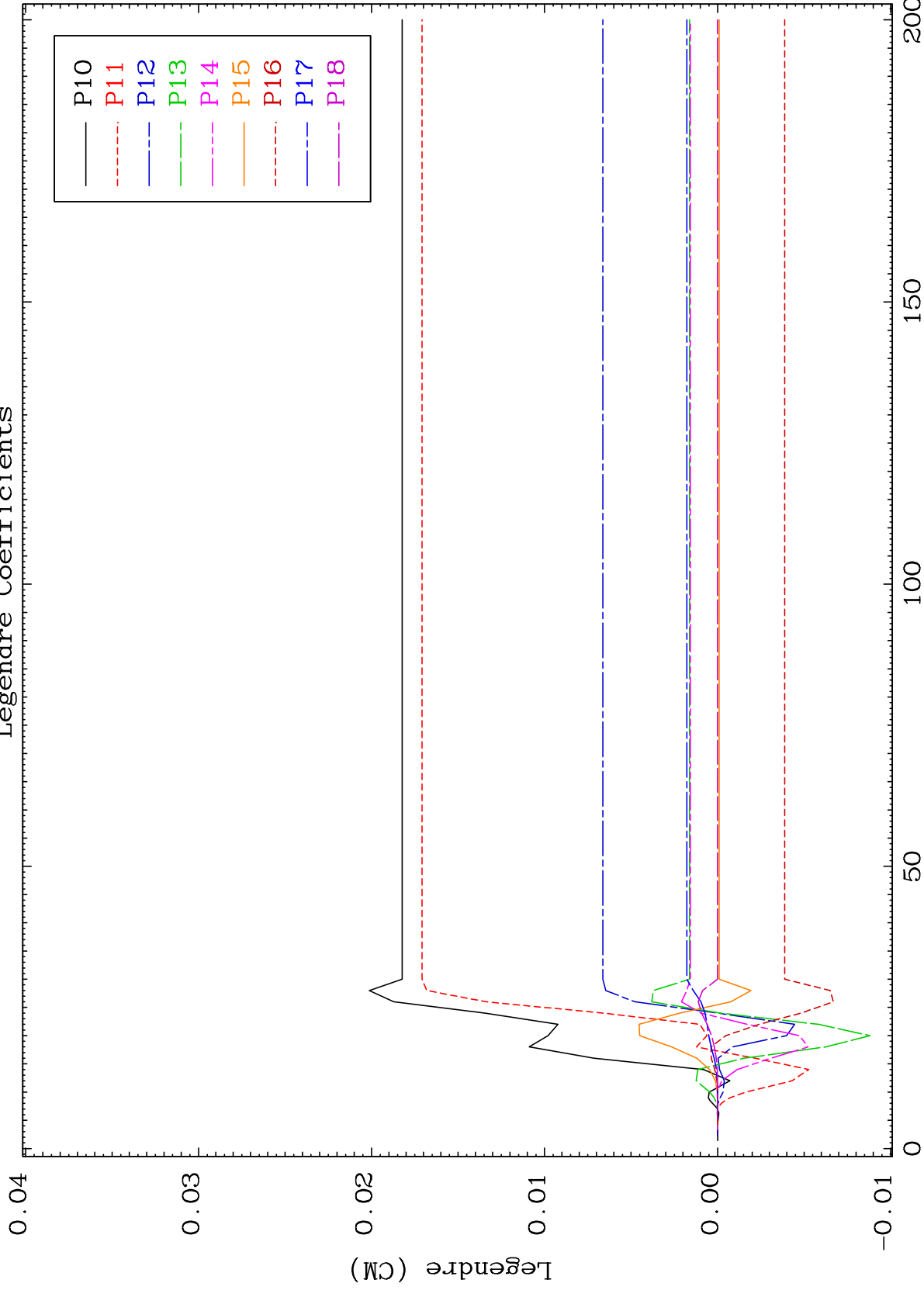
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



25

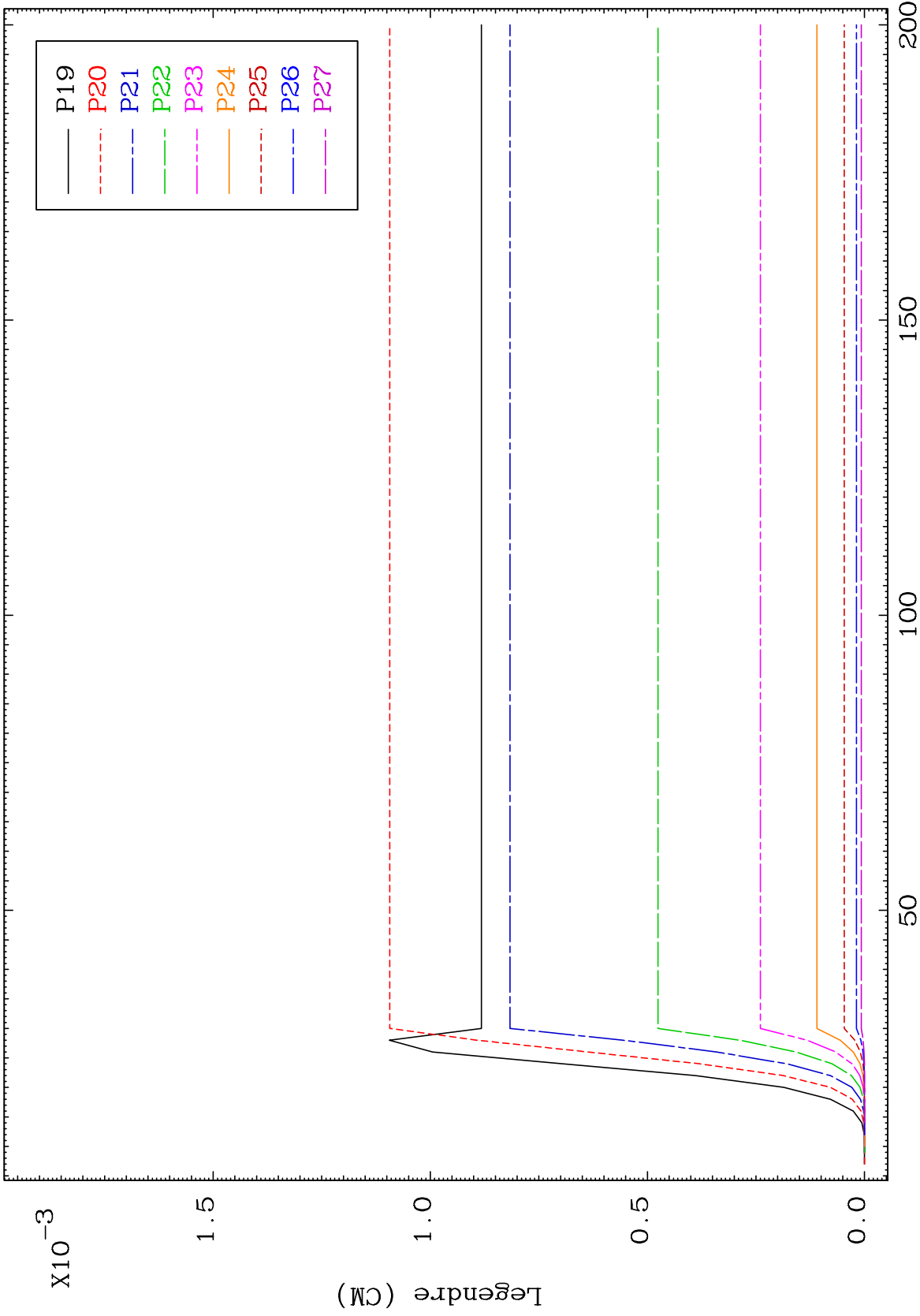
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



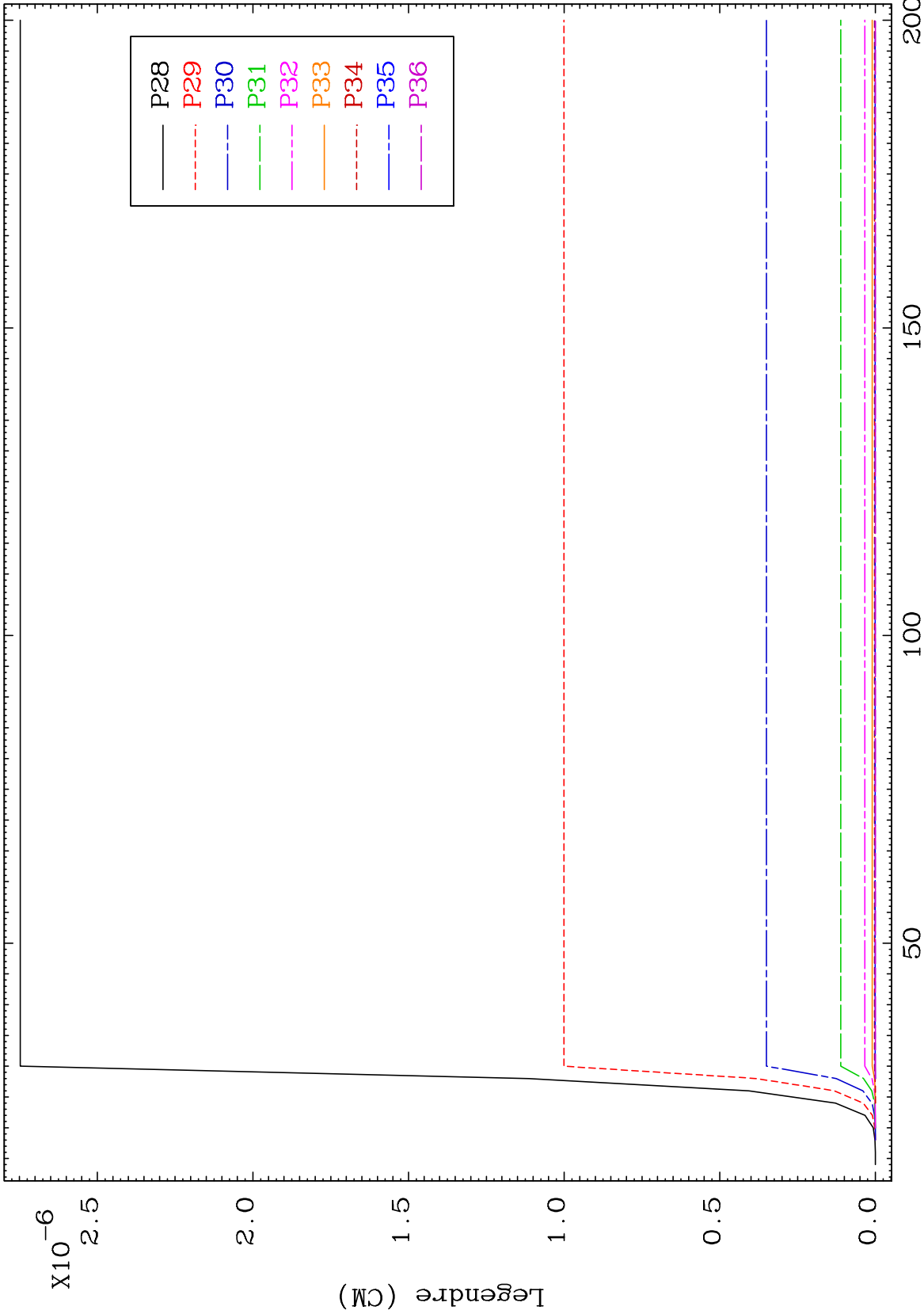
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54-Xe-138

MAT 5467

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

54-Xe-138



27

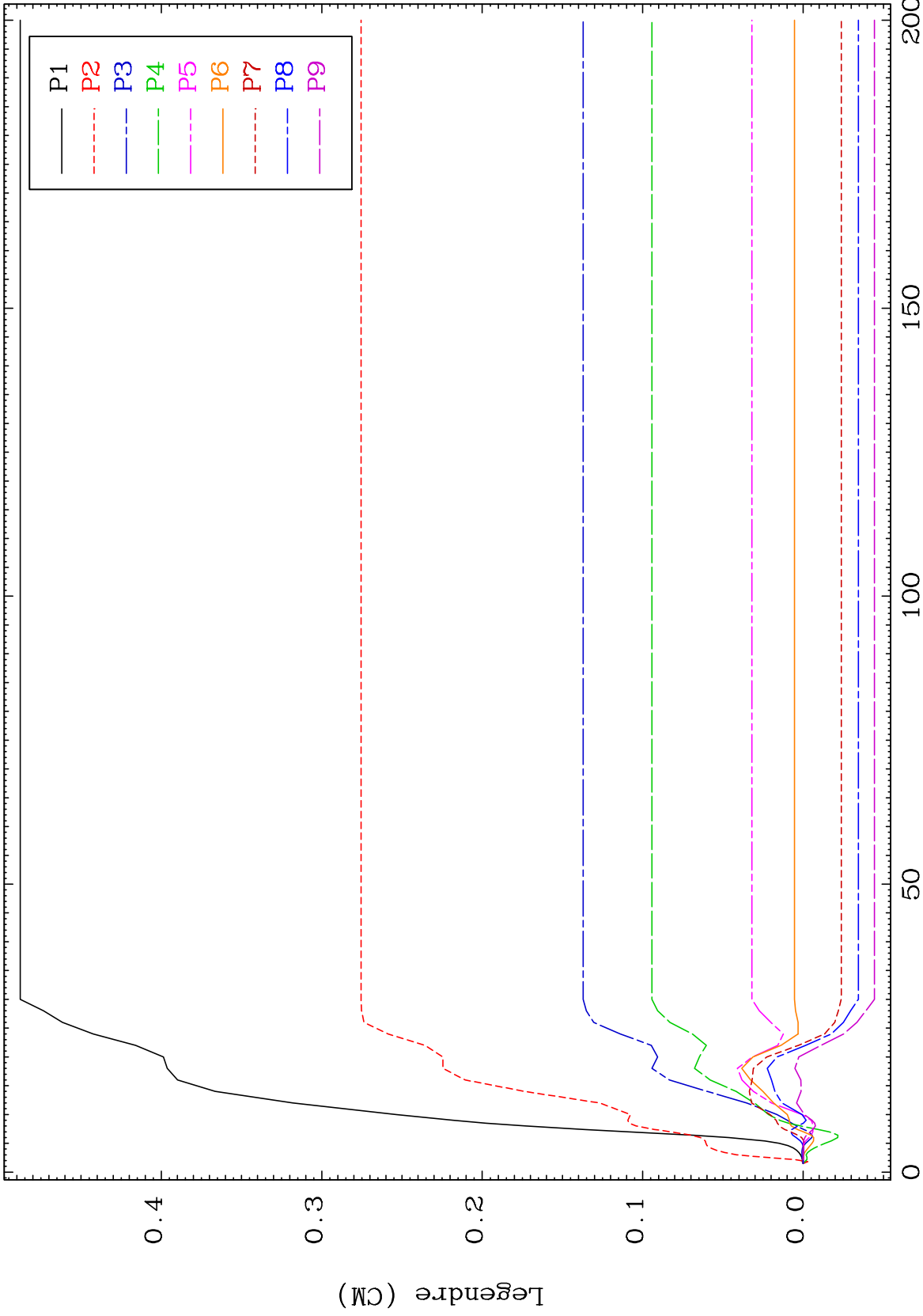
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



28

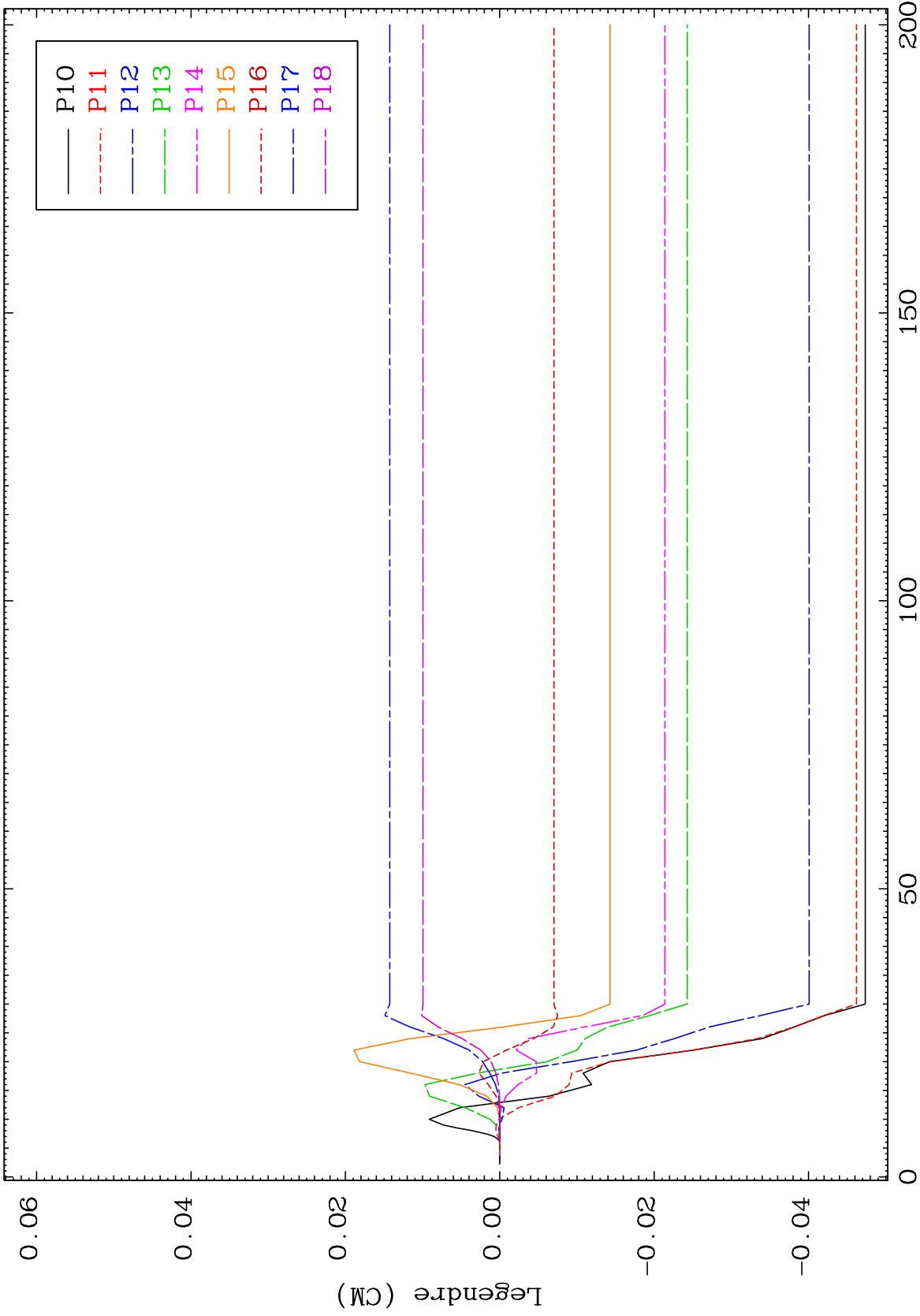
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



29

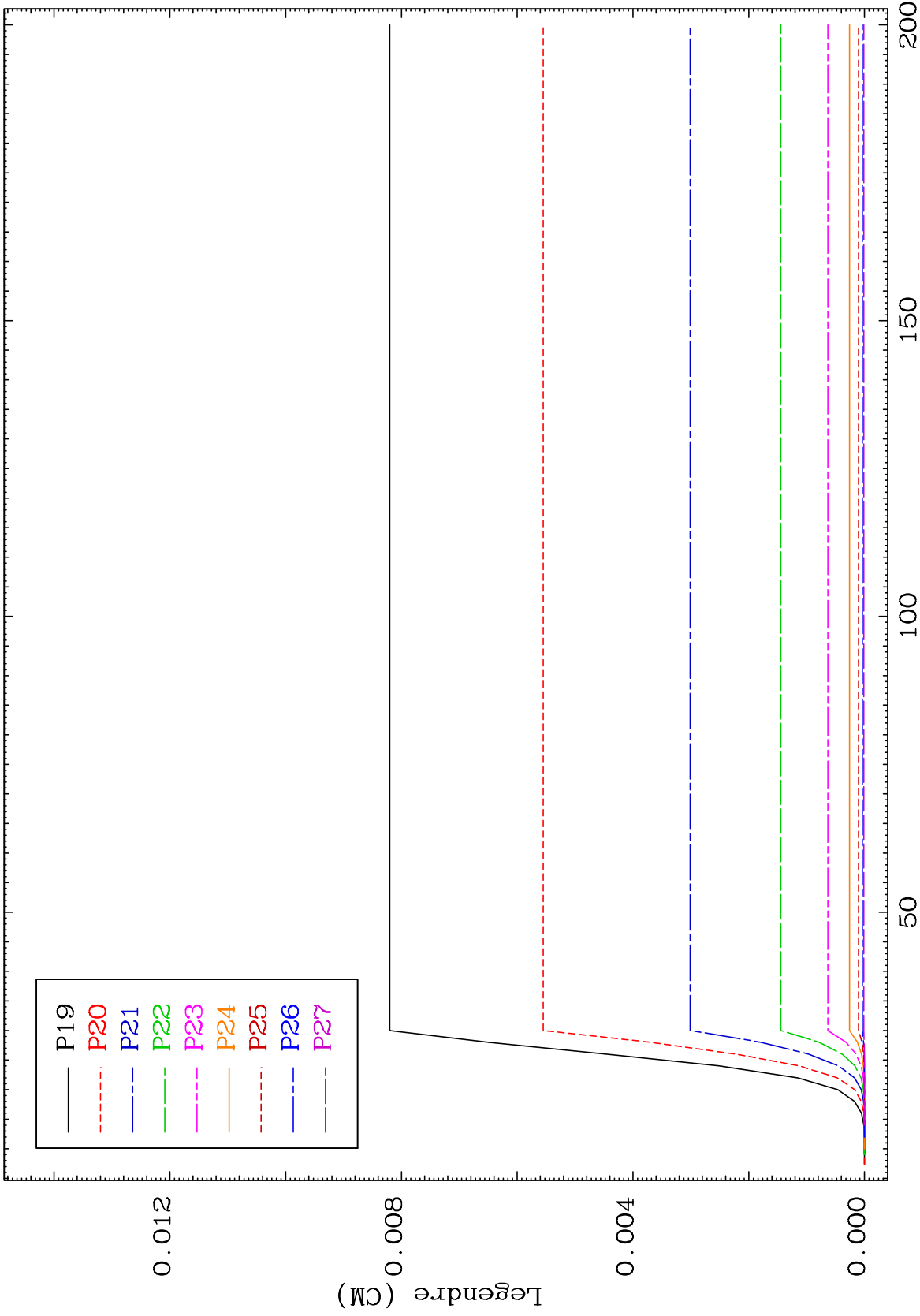
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



30

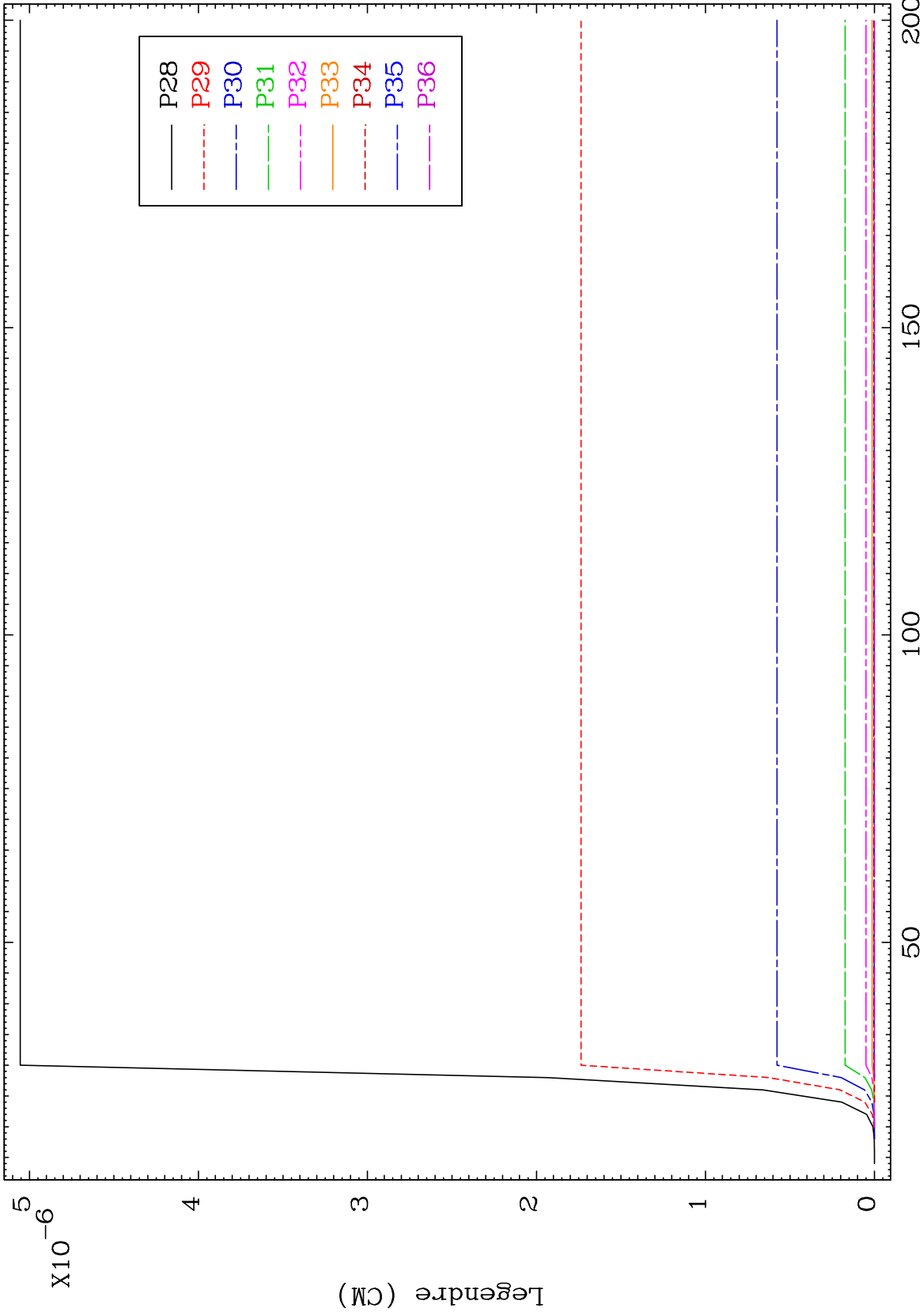
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



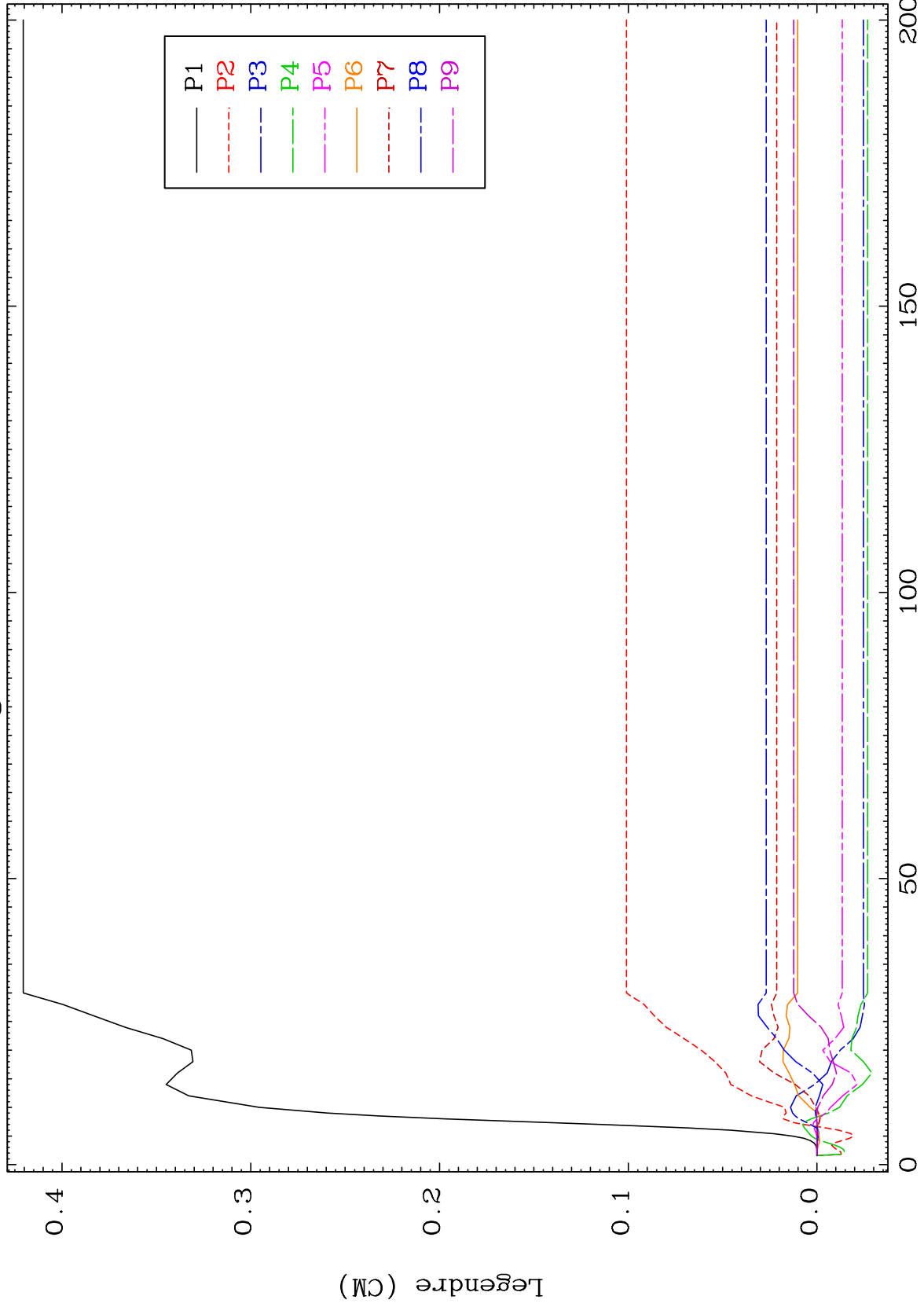
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54-Xe-138

MAT 5467

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

54-Xe-138



32

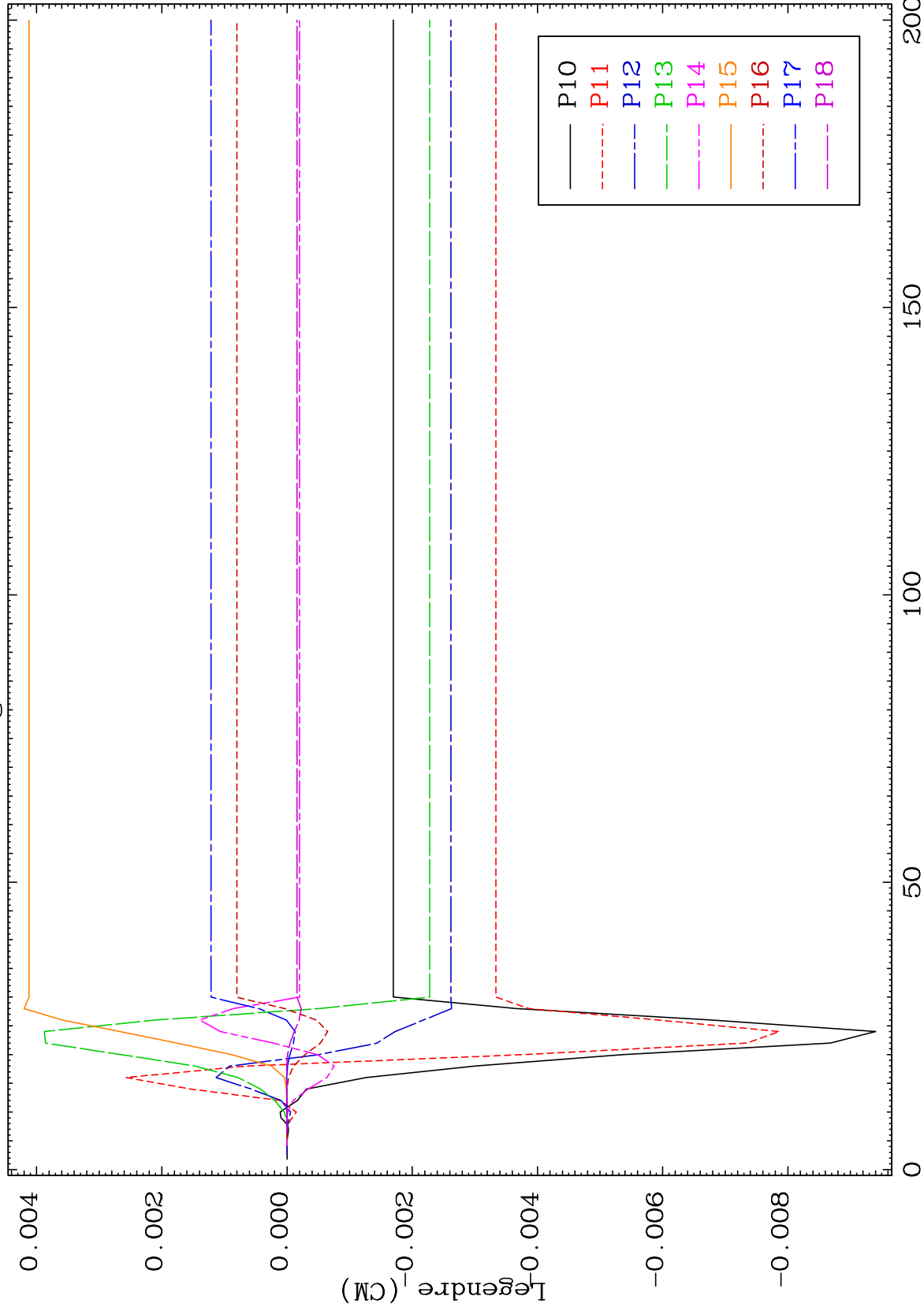
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



33

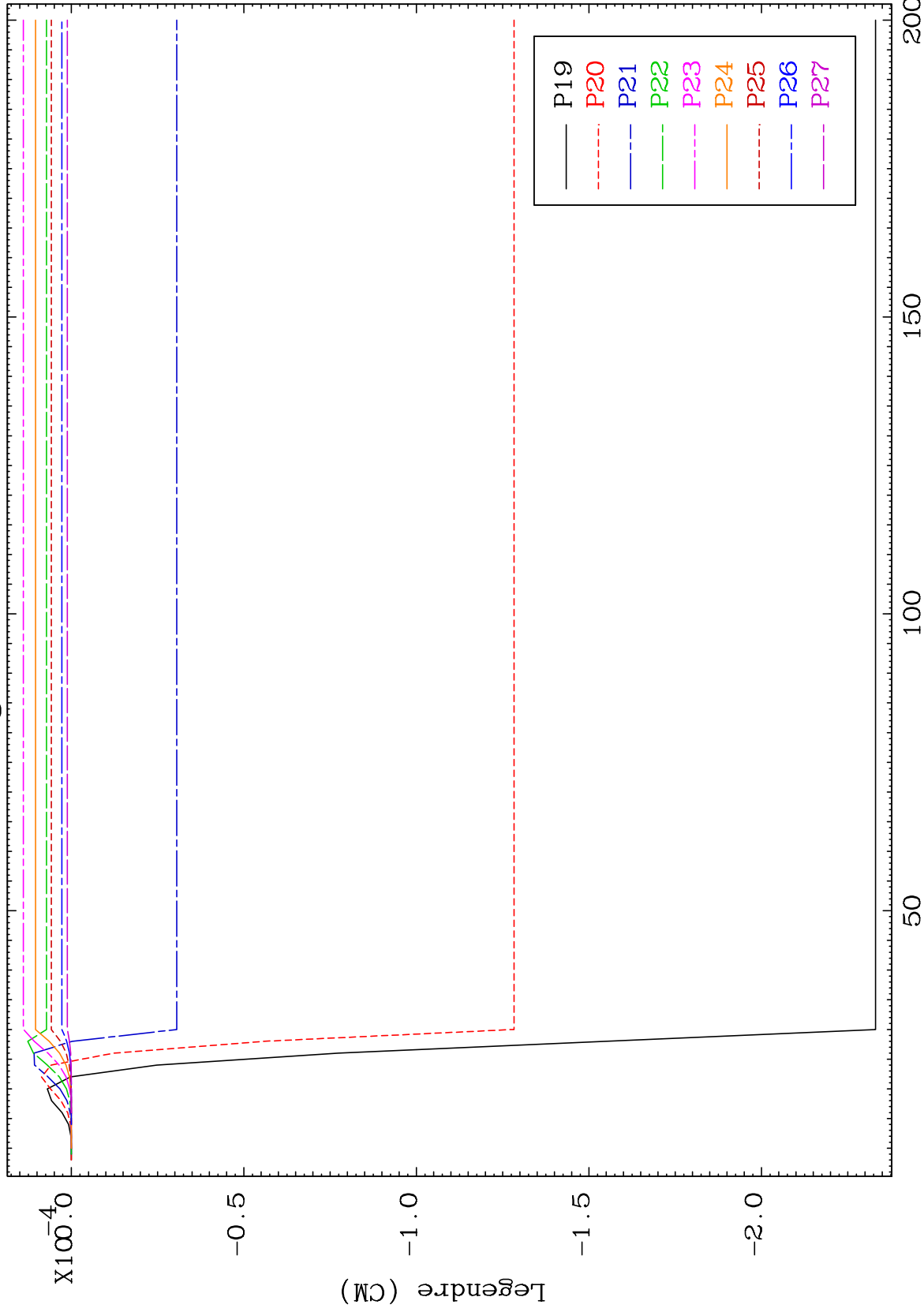
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



34

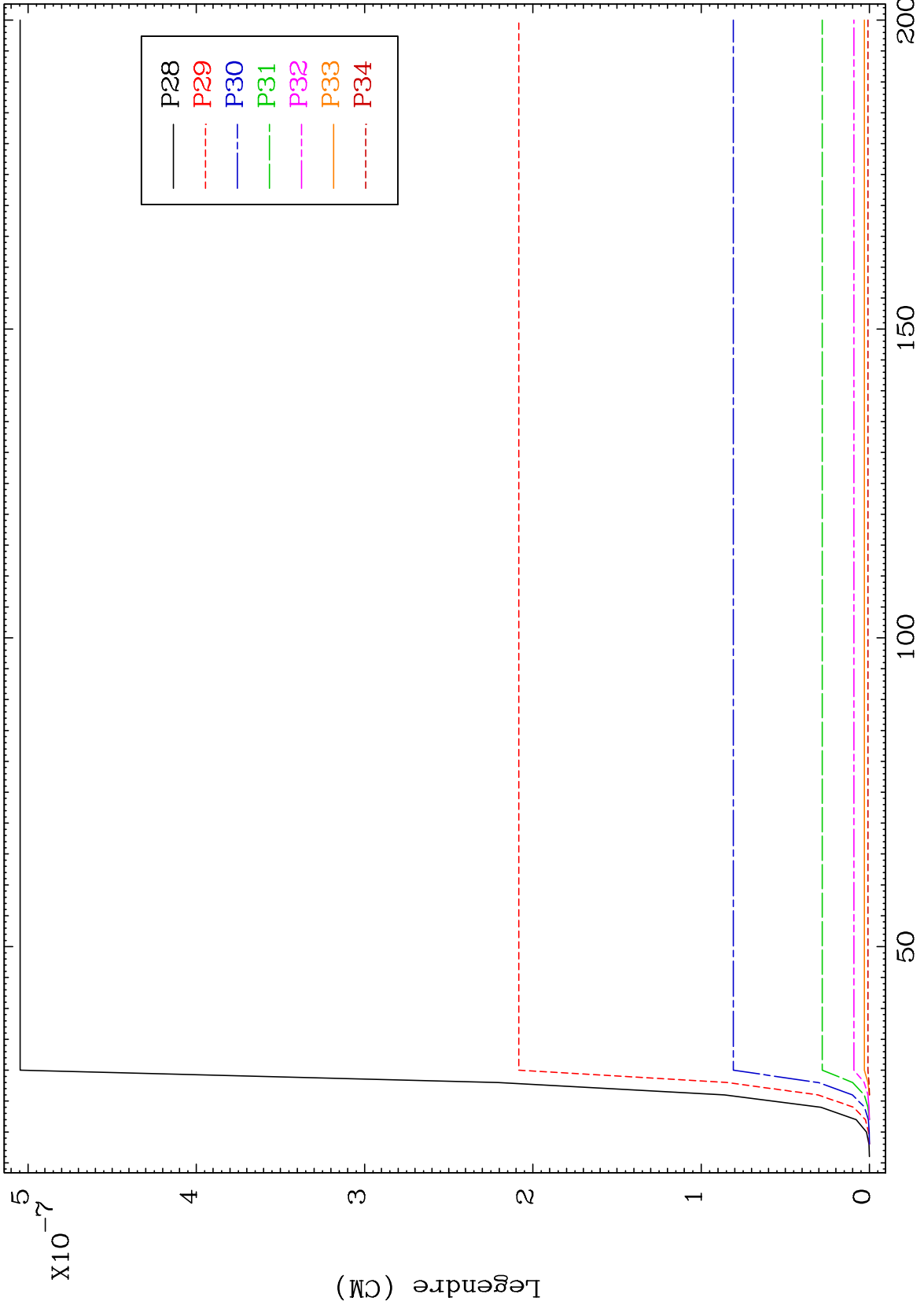
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



35

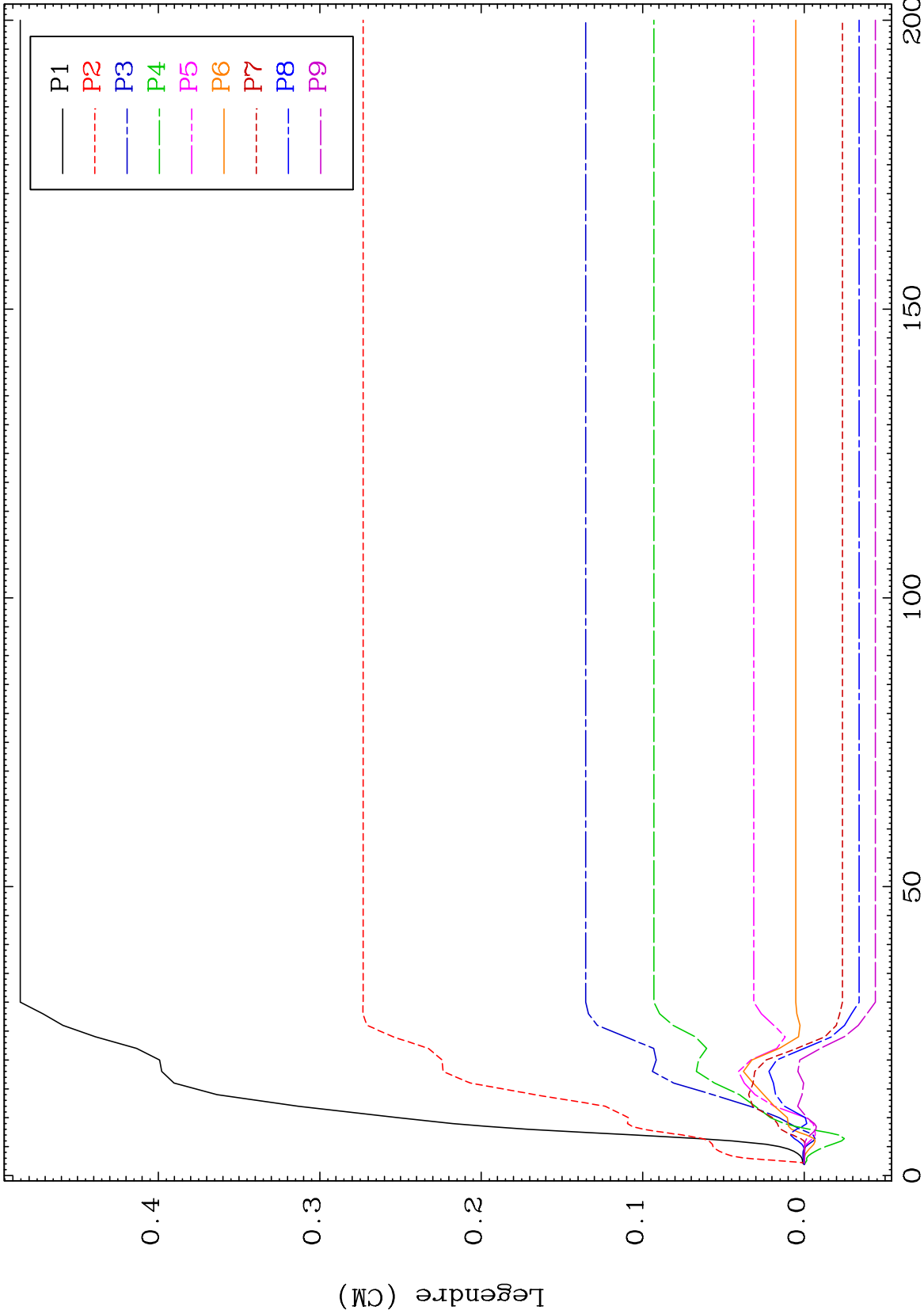
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



36

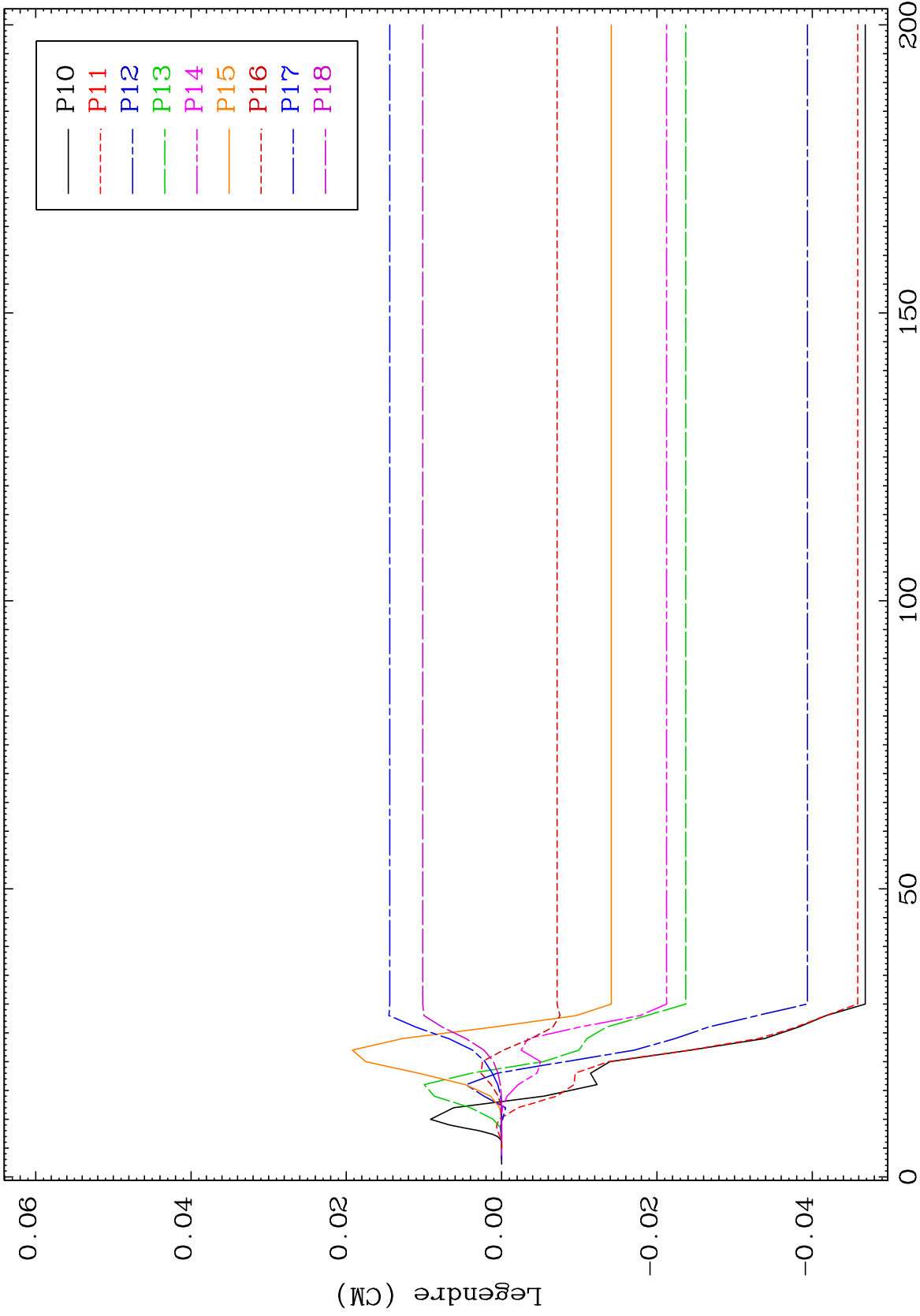
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



37

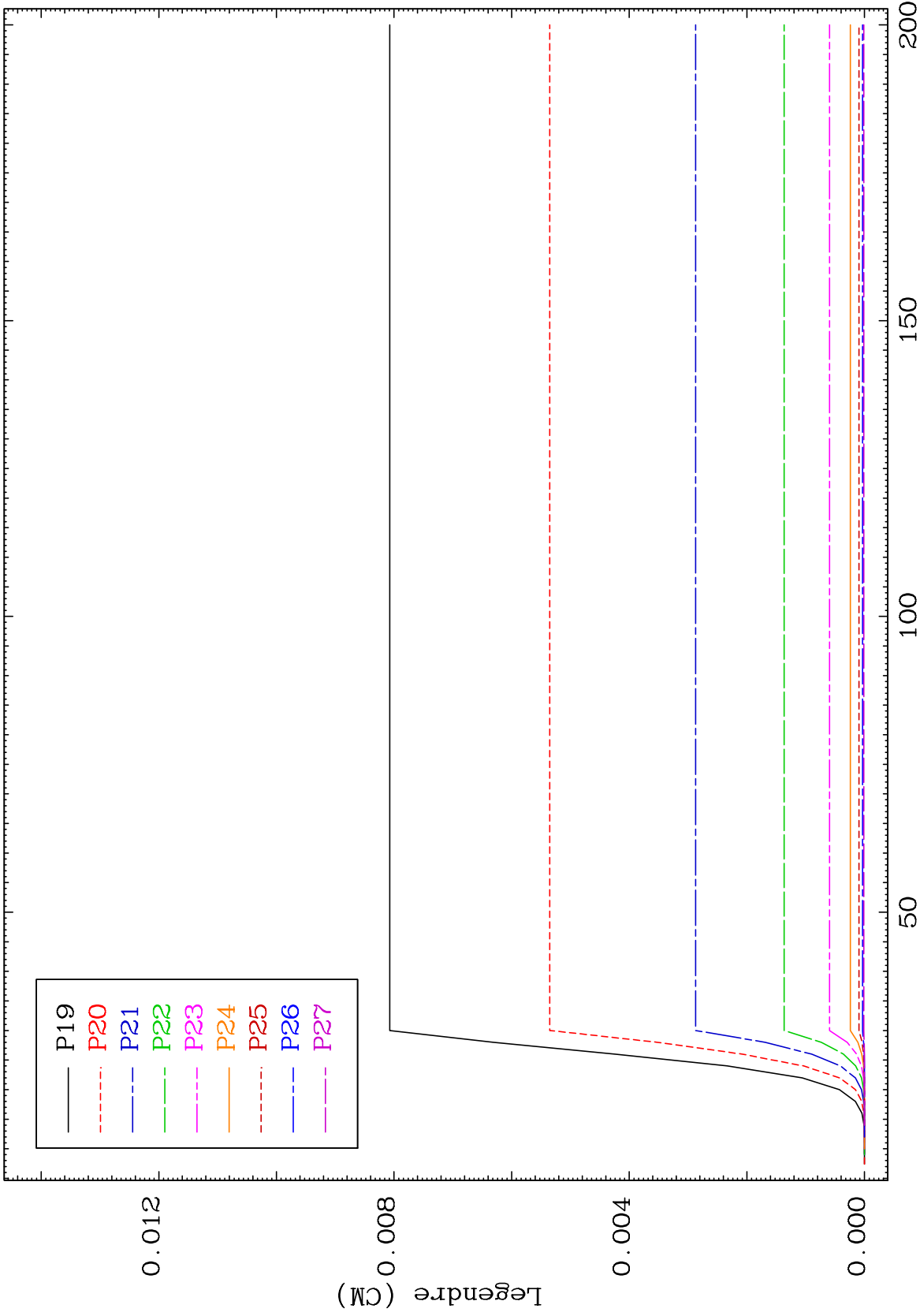
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



38

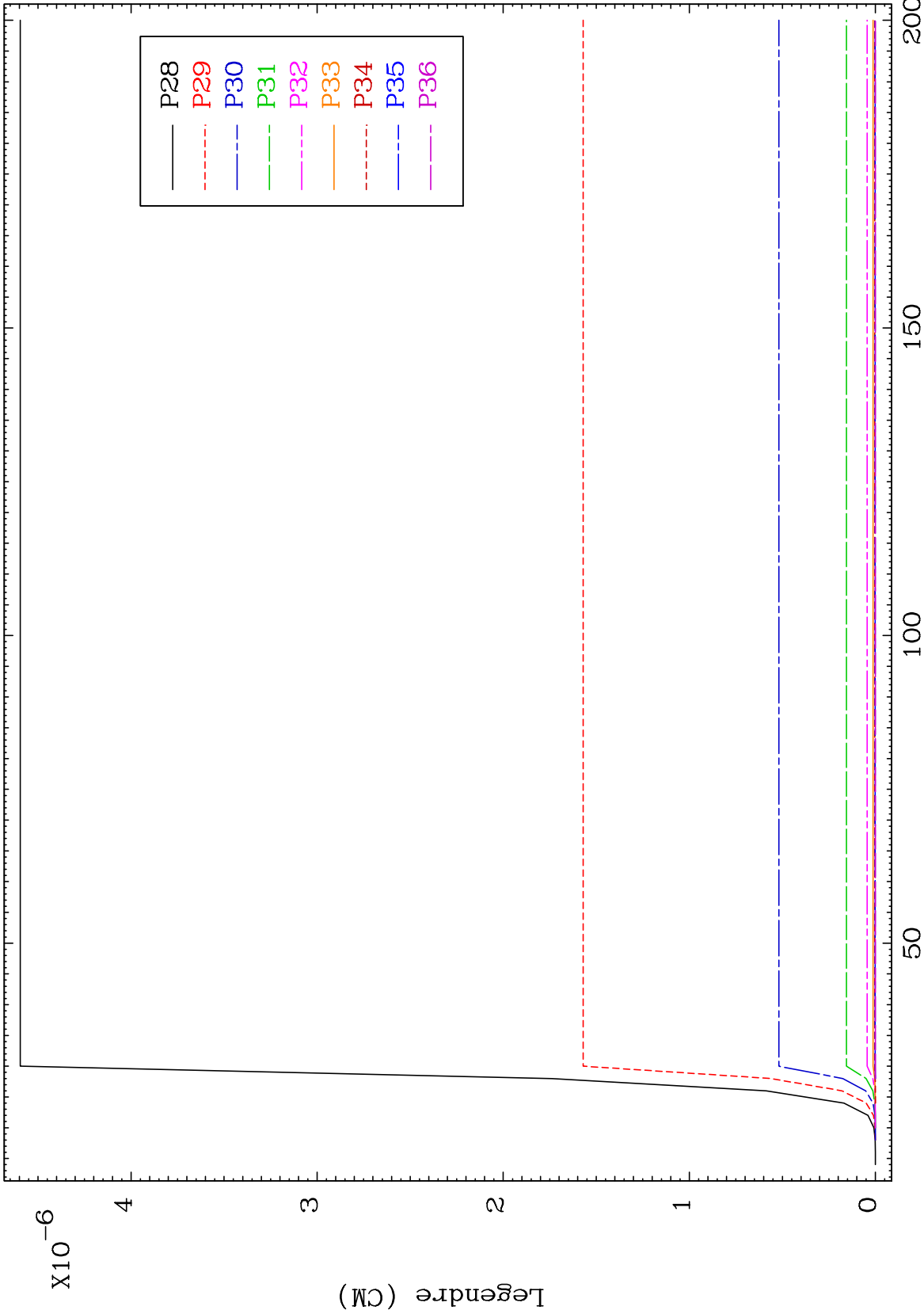
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



39

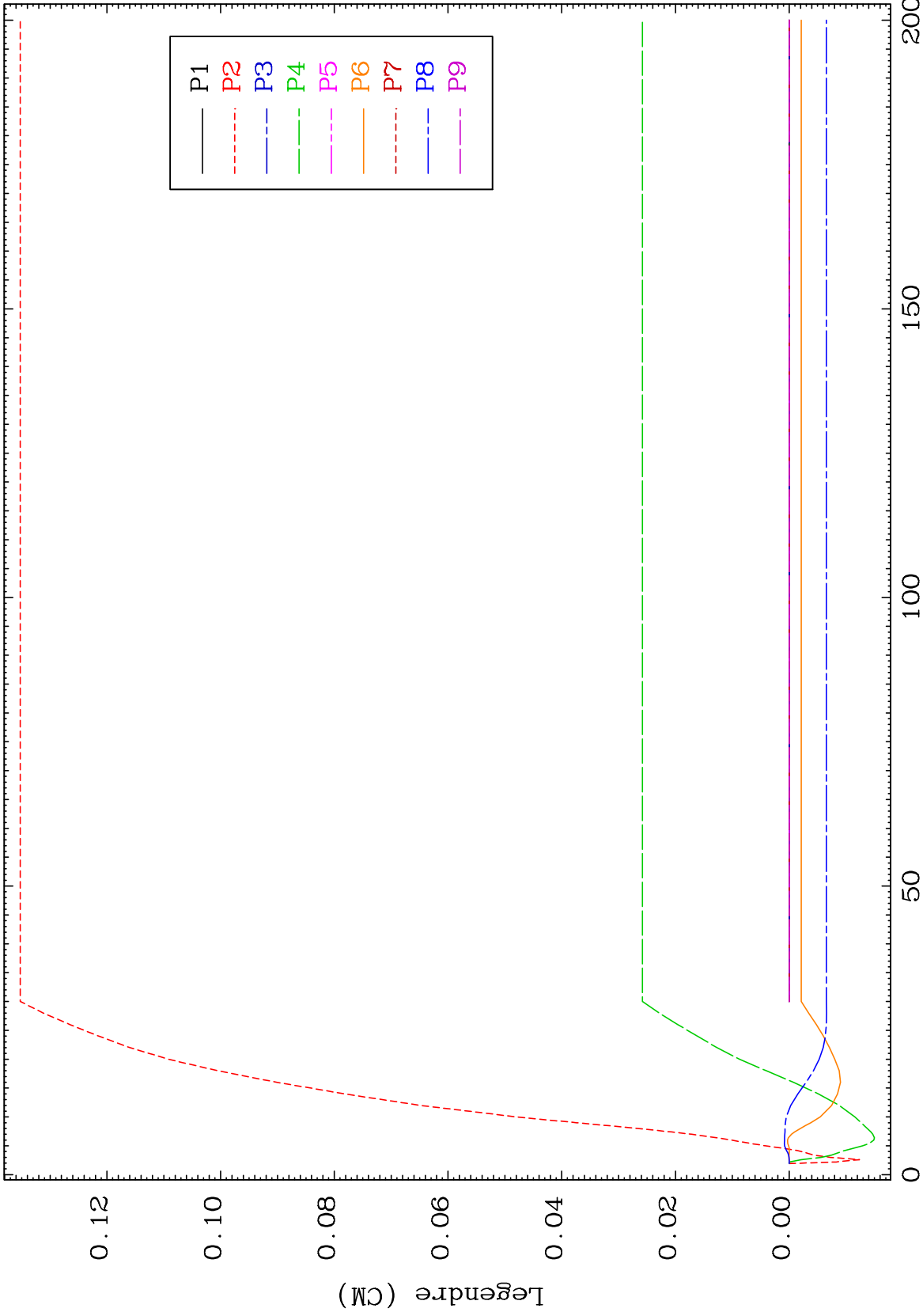
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



54-Xe-138

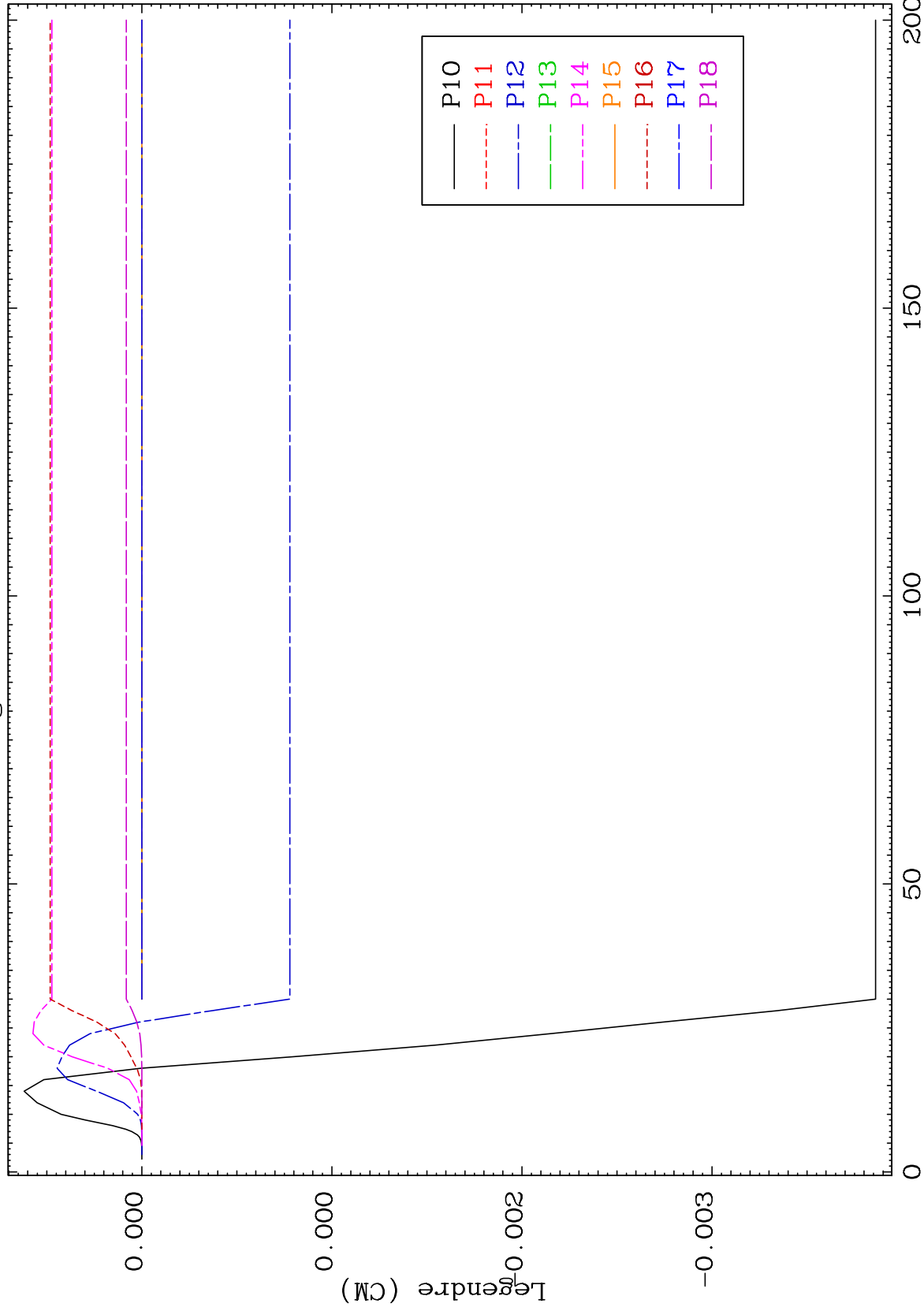
Incident Energy (MeV)

40

MAT 5467

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

54-Xe-138



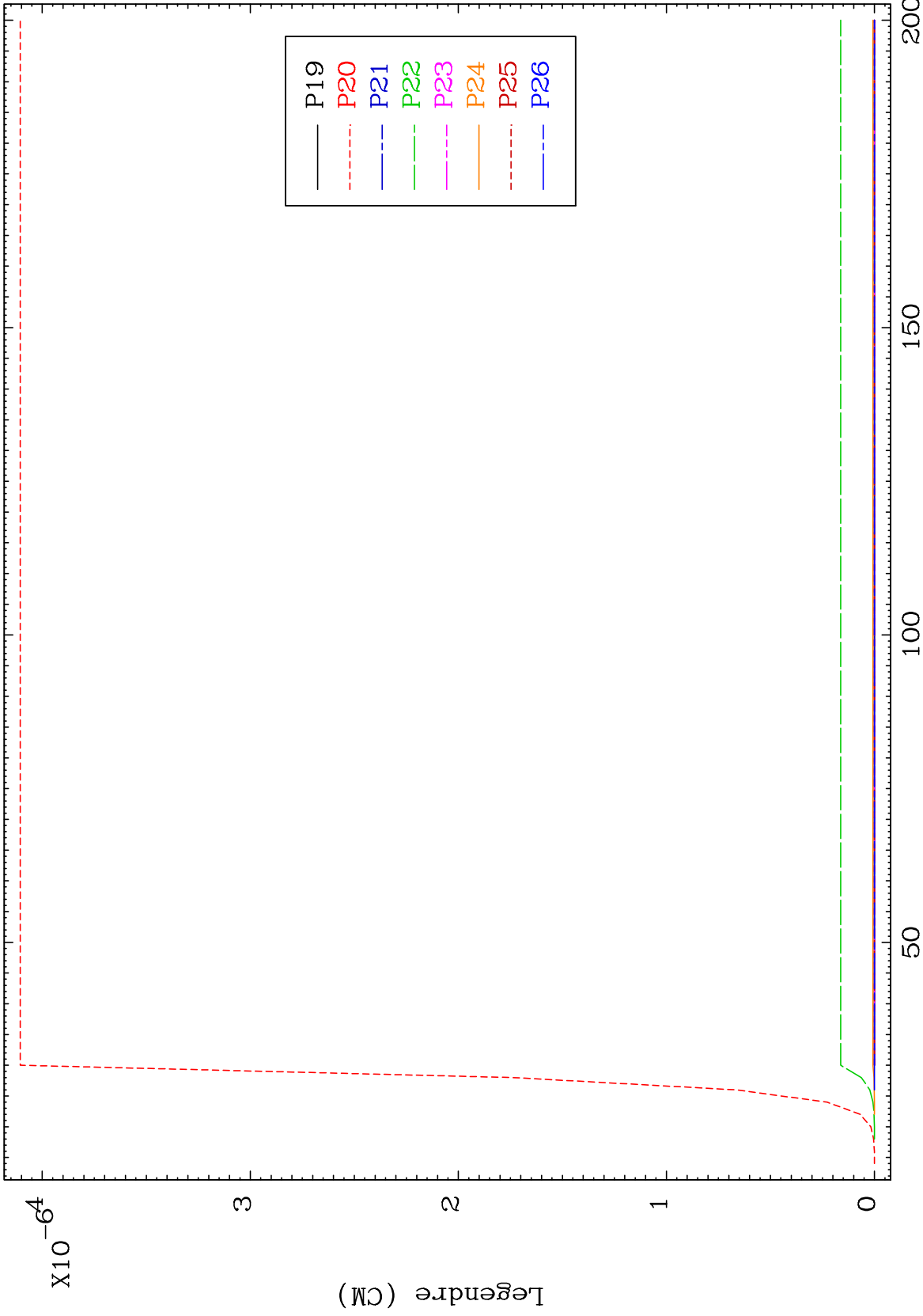
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54-Xe-138

MAT 5467

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

54-Xe-138



42

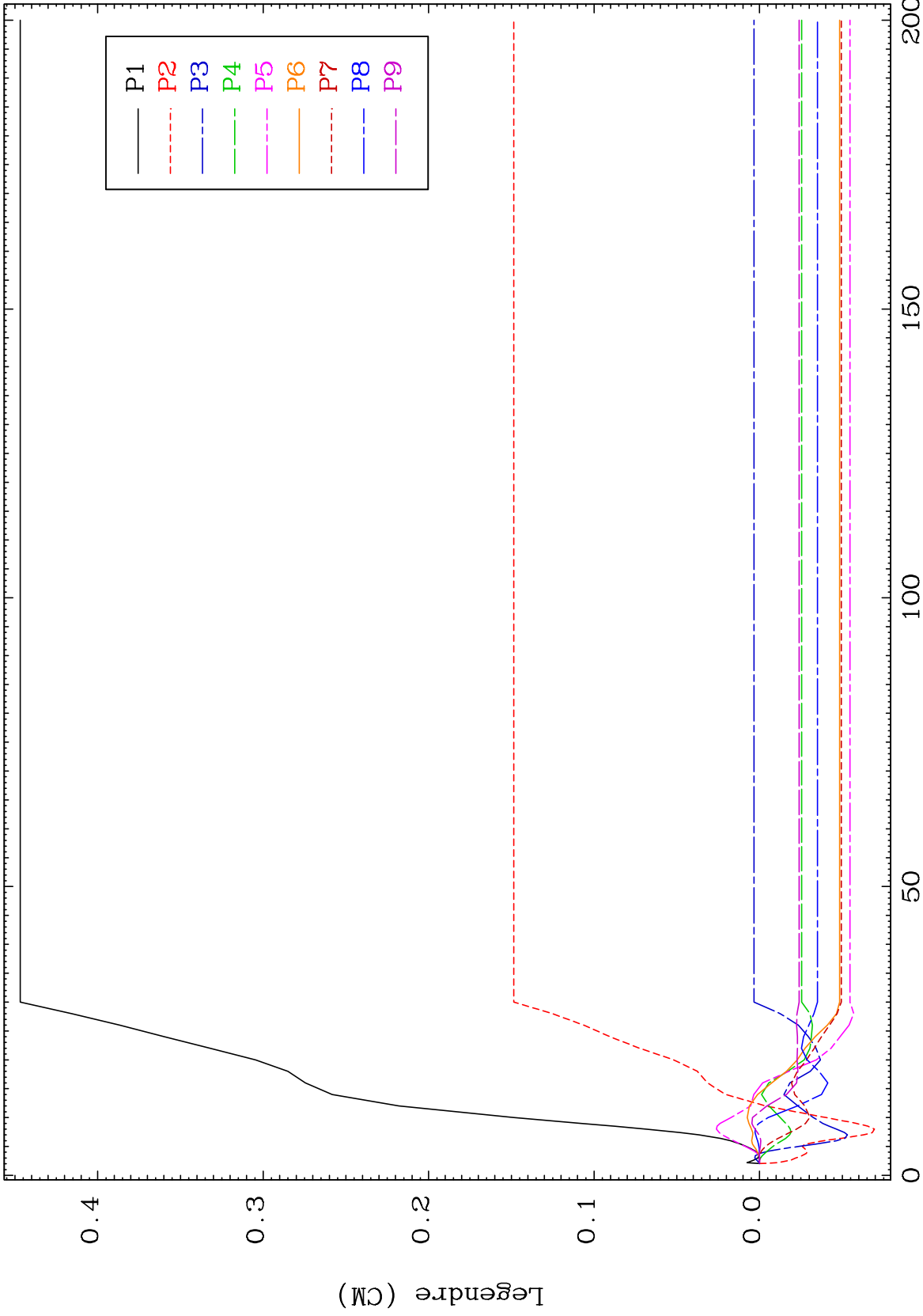
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



43

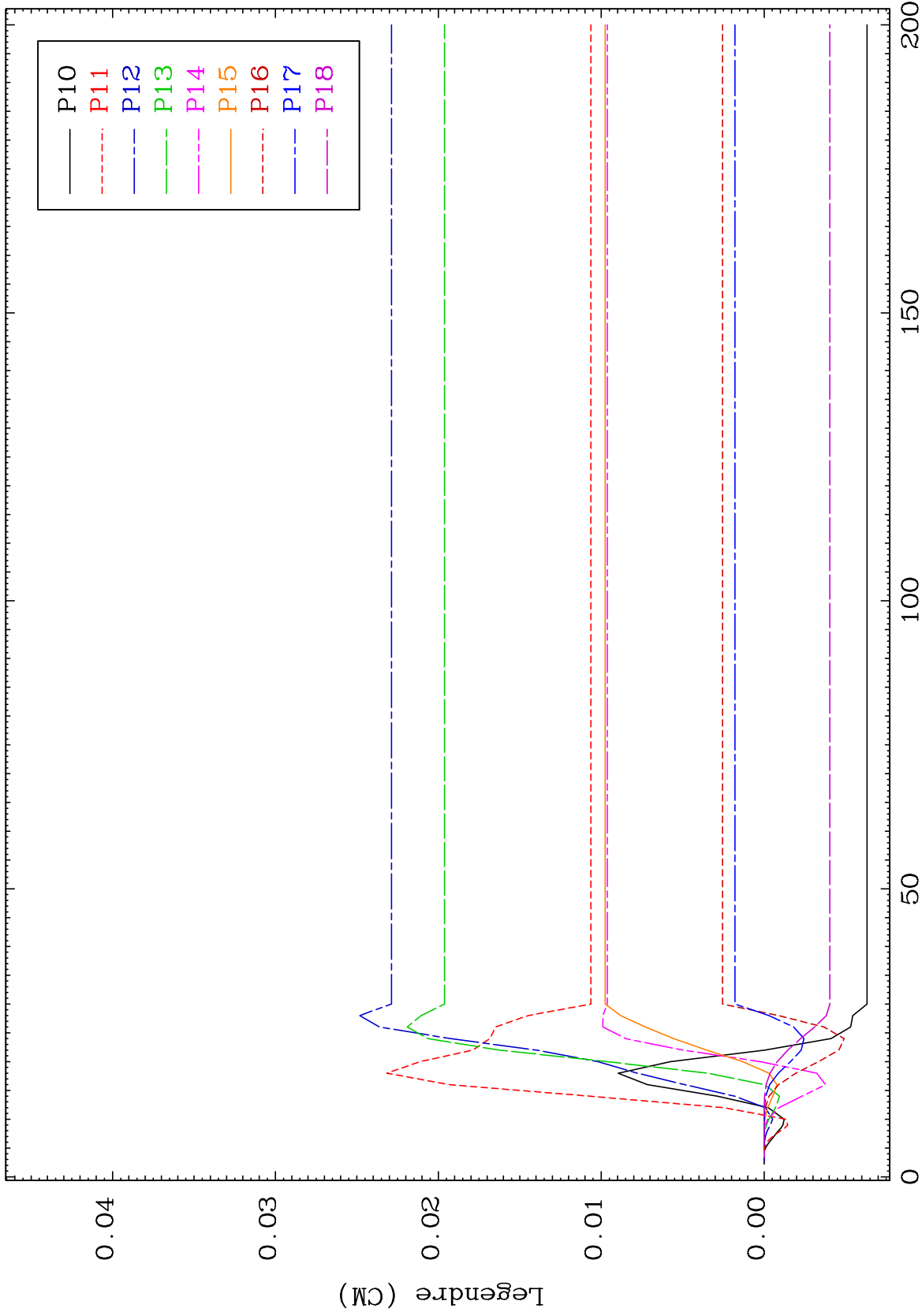
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



44

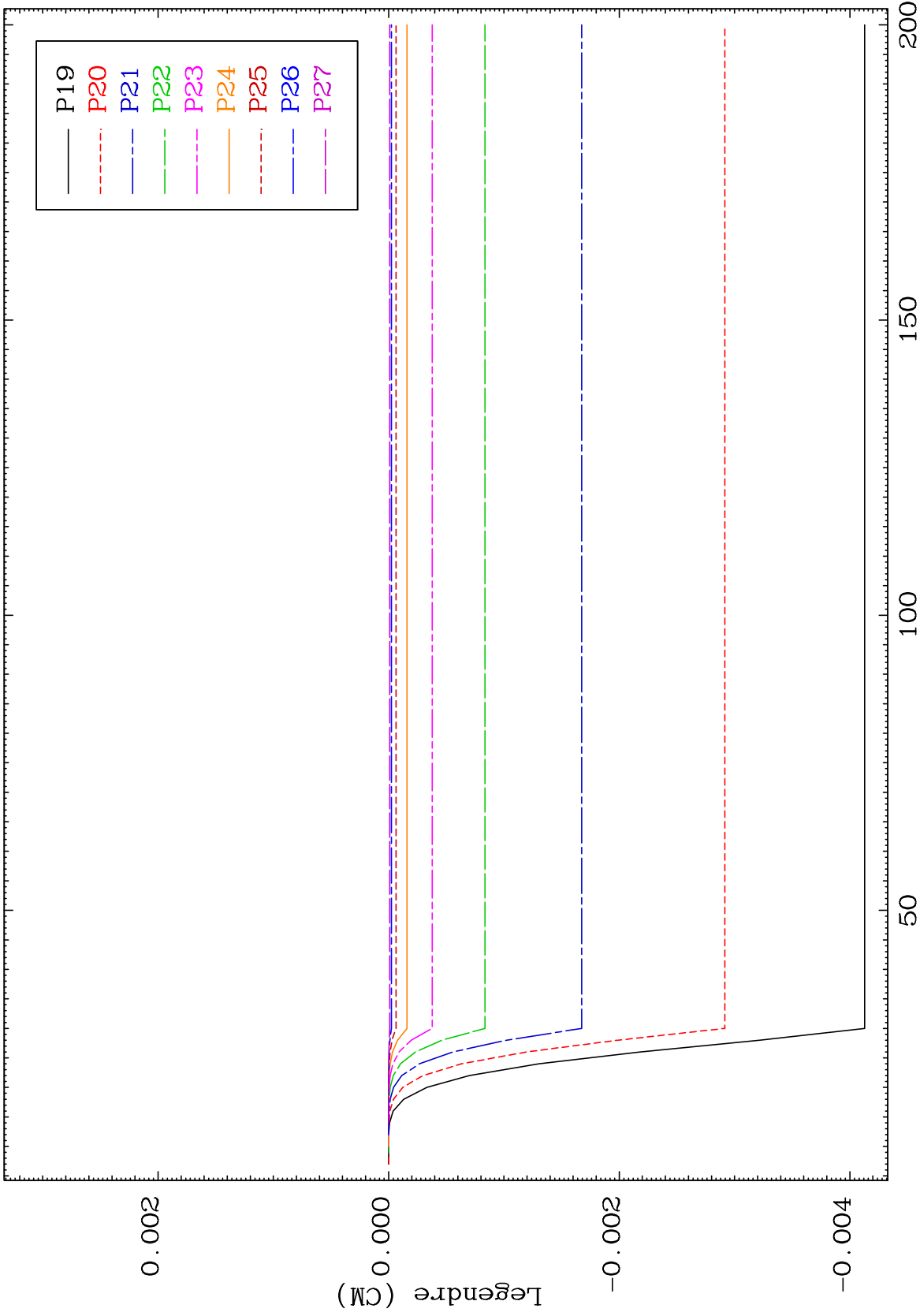
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



45

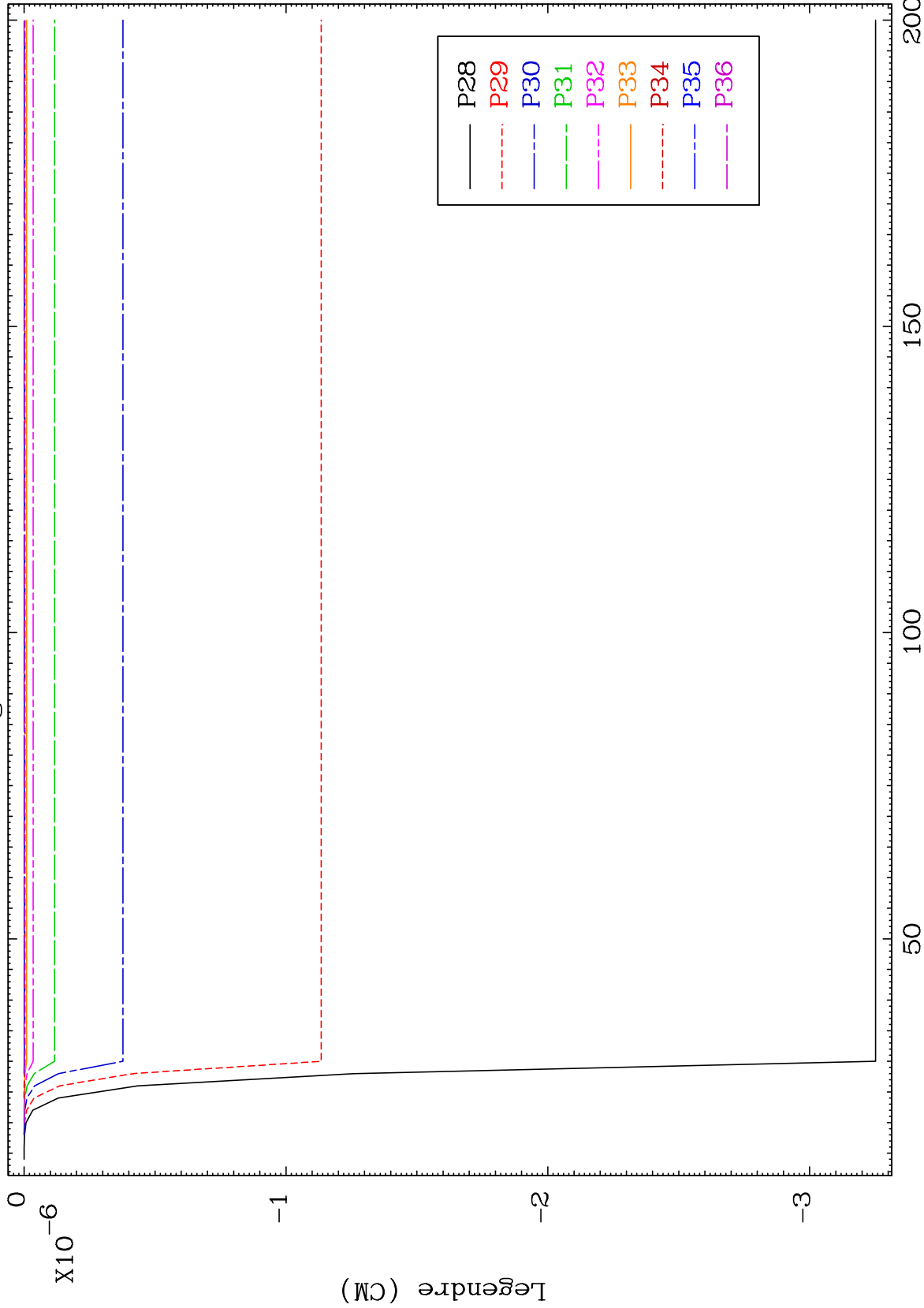
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



46

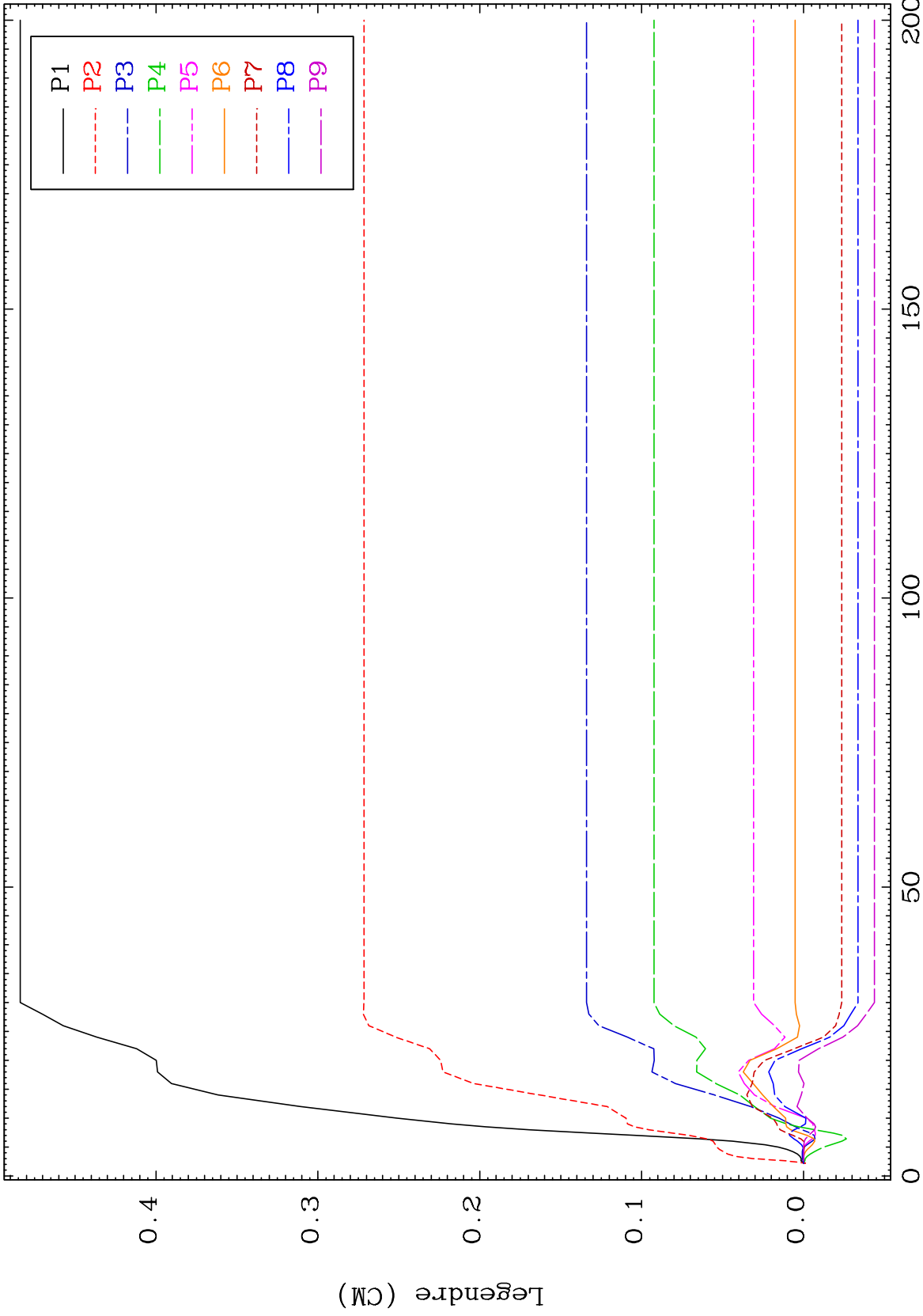
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



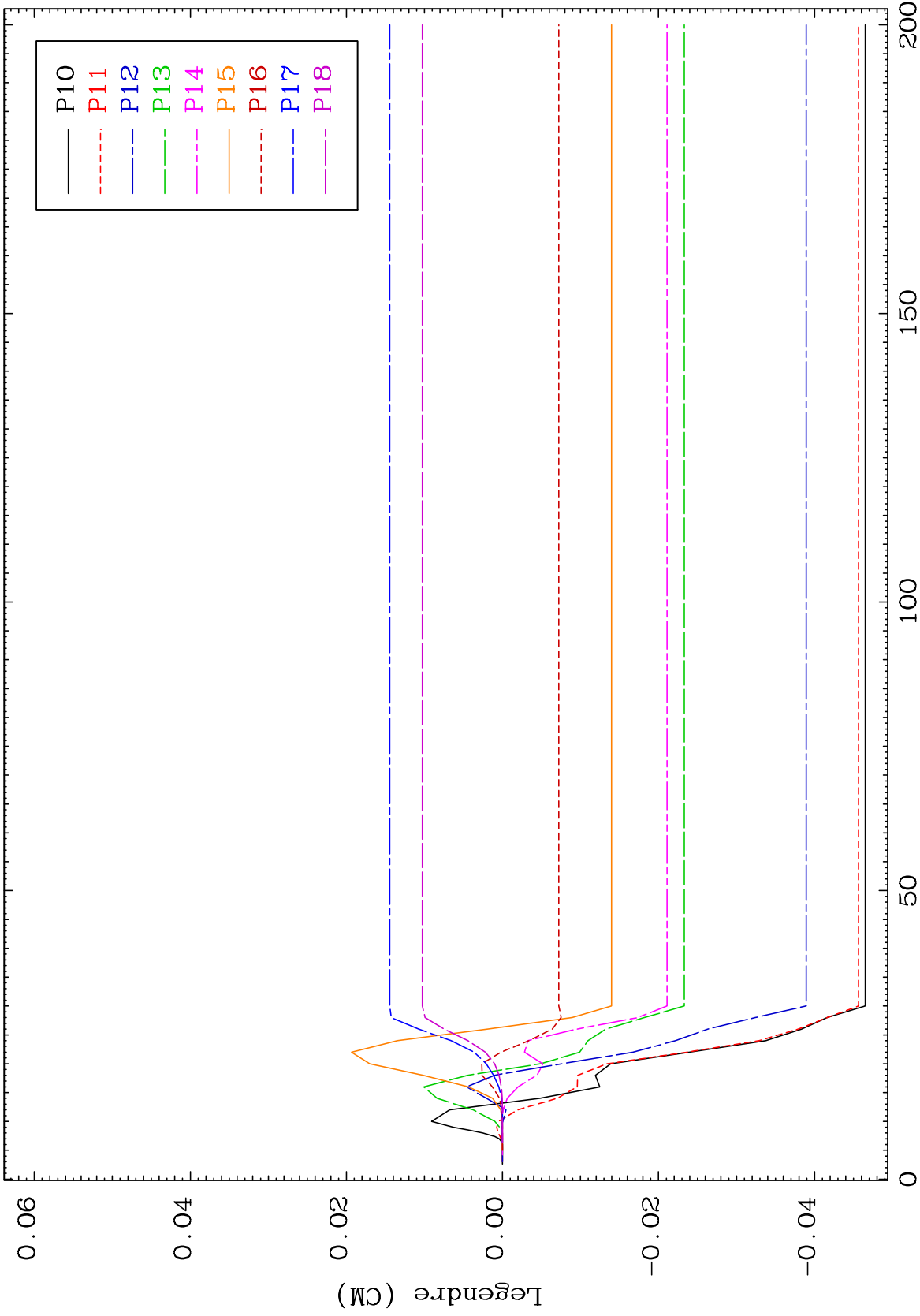
47

54-Xe-138

MAT 5467

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

54-Xe-138



48

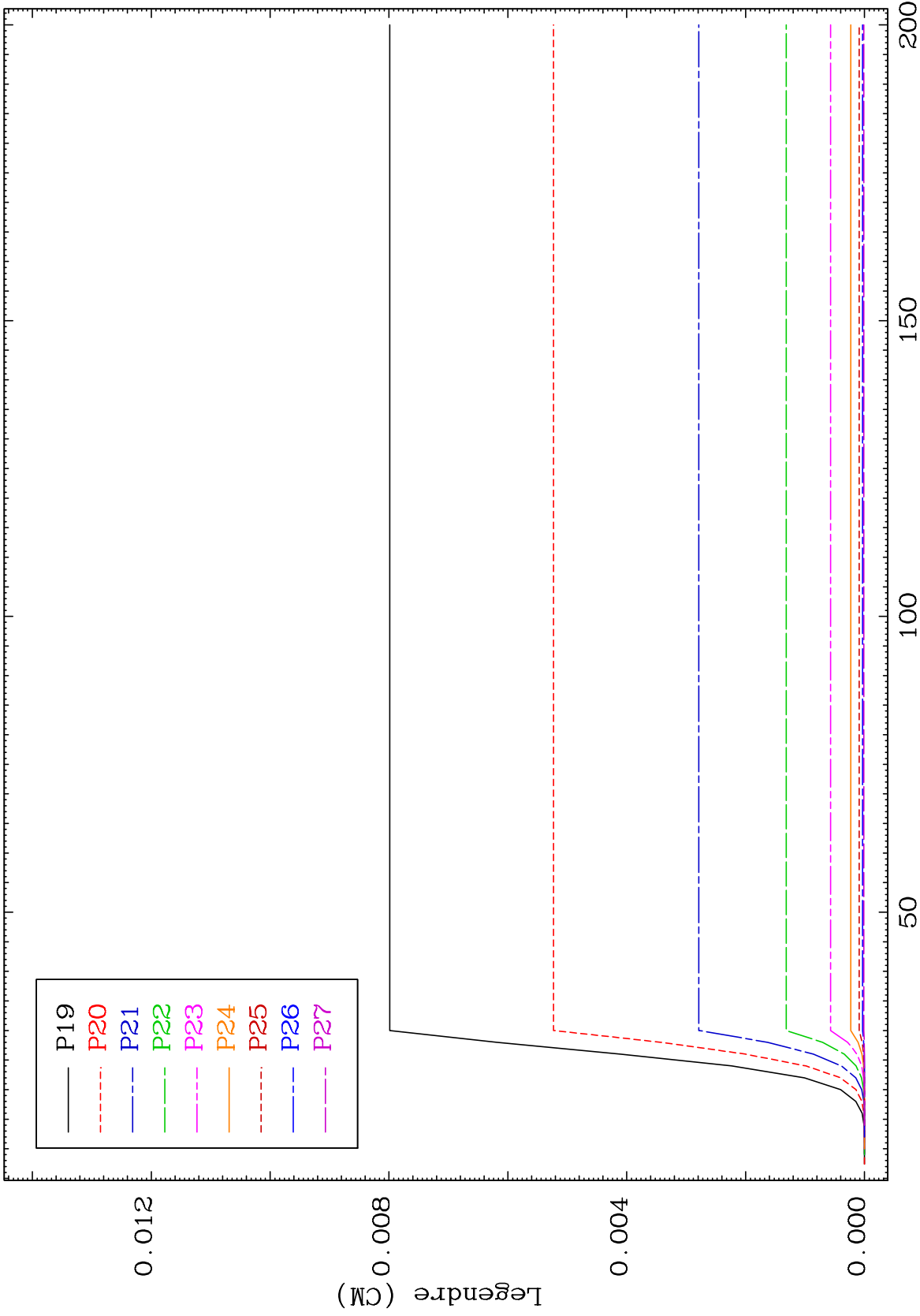
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



49

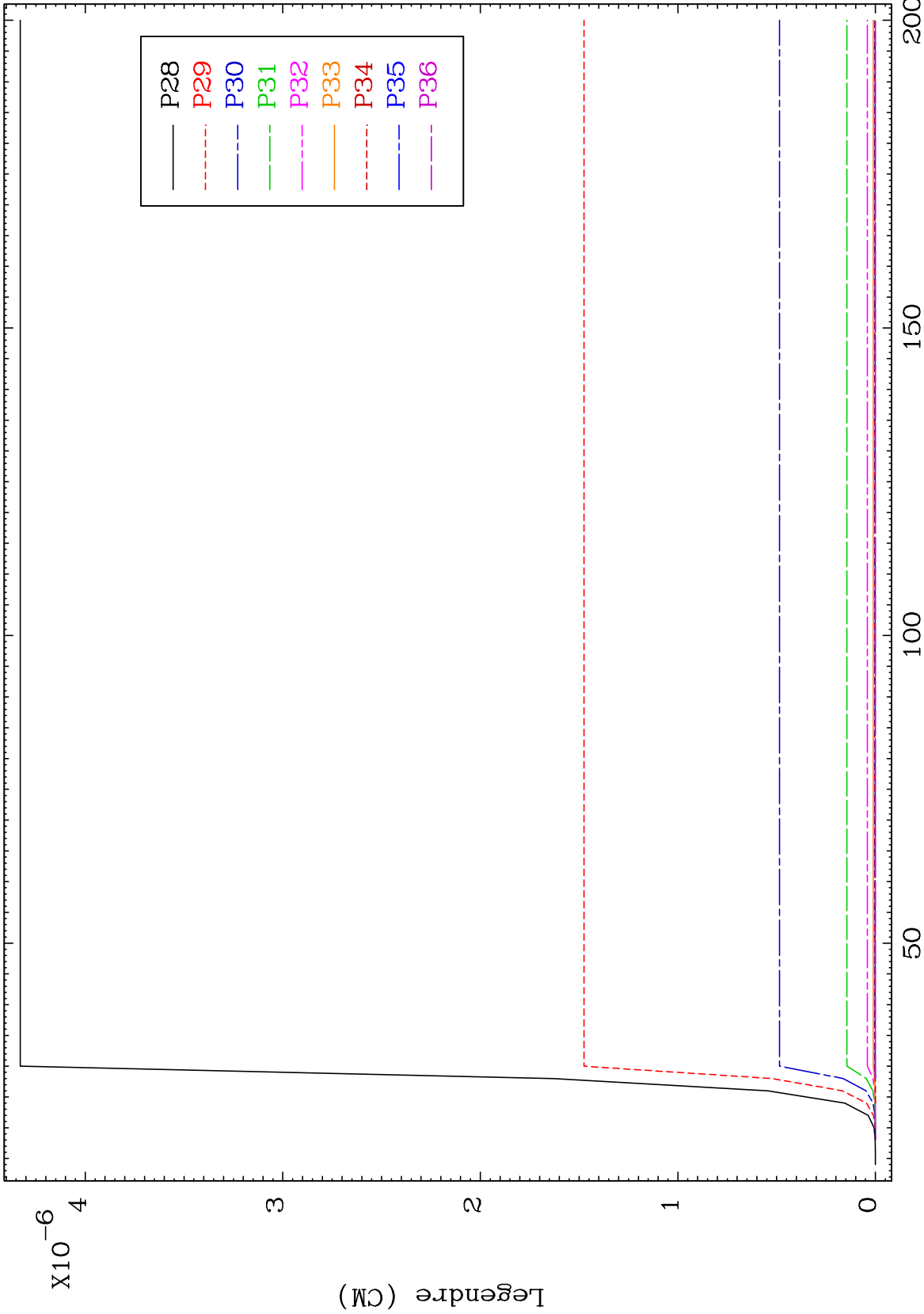
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



50

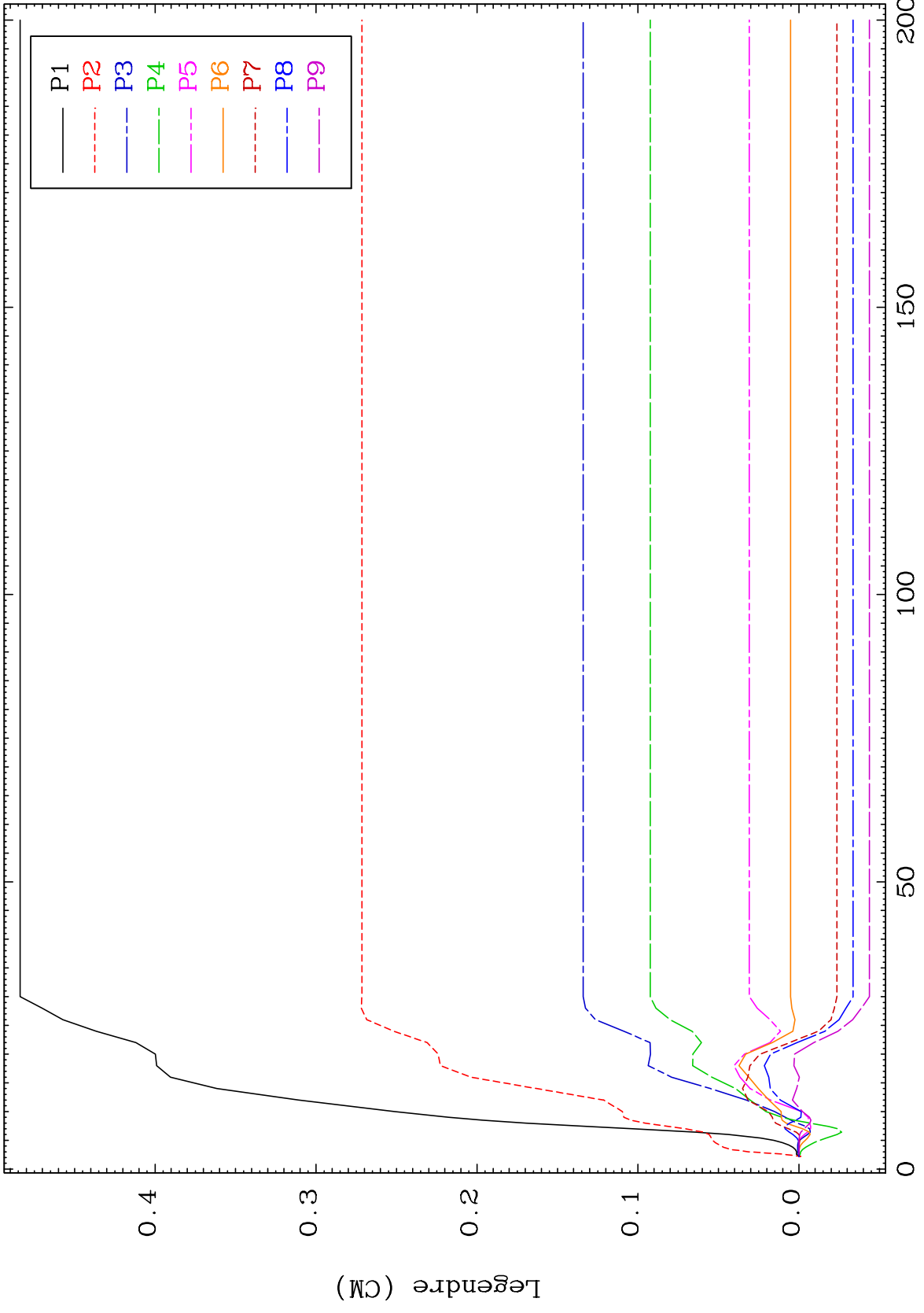
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



51

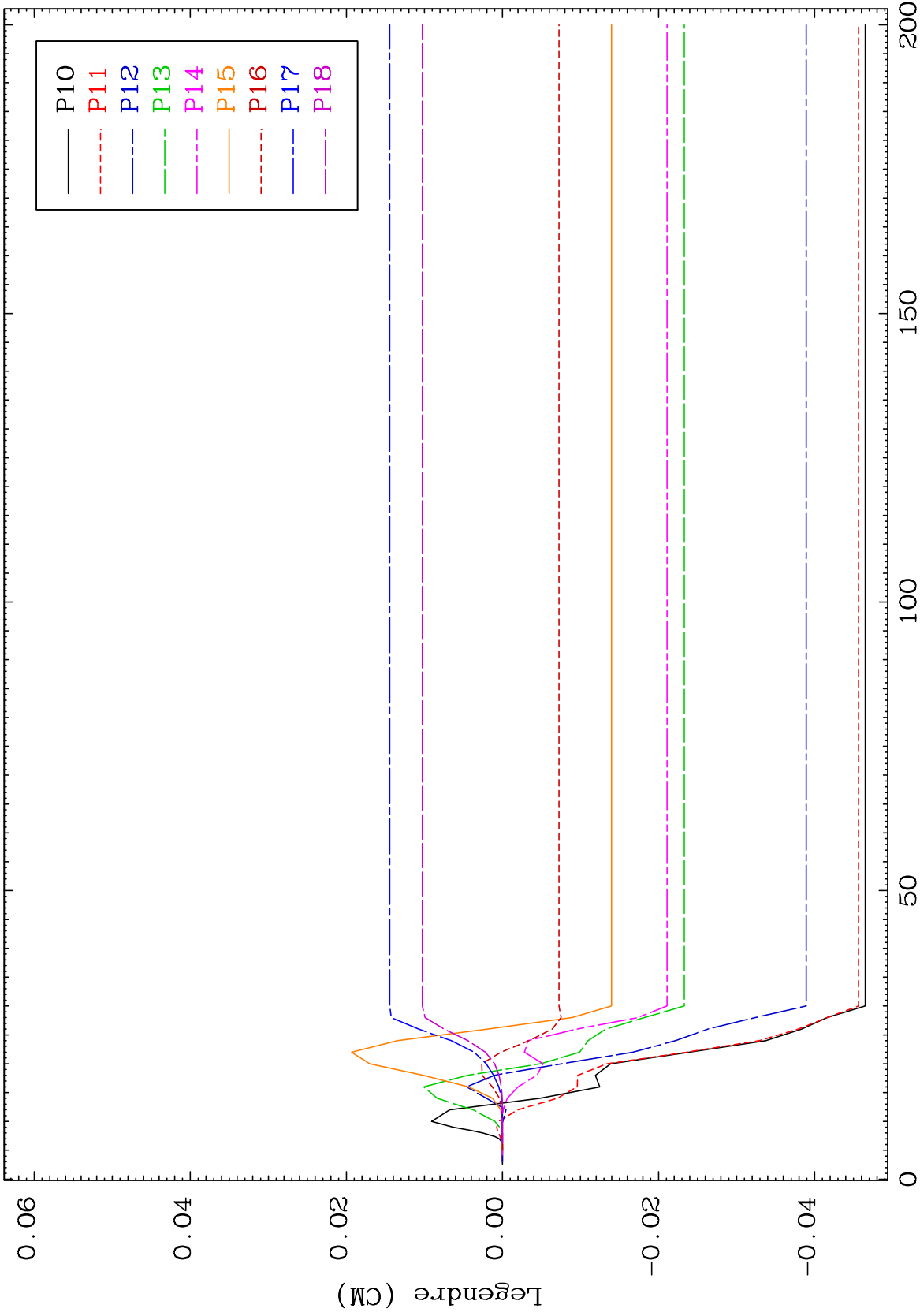
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



52

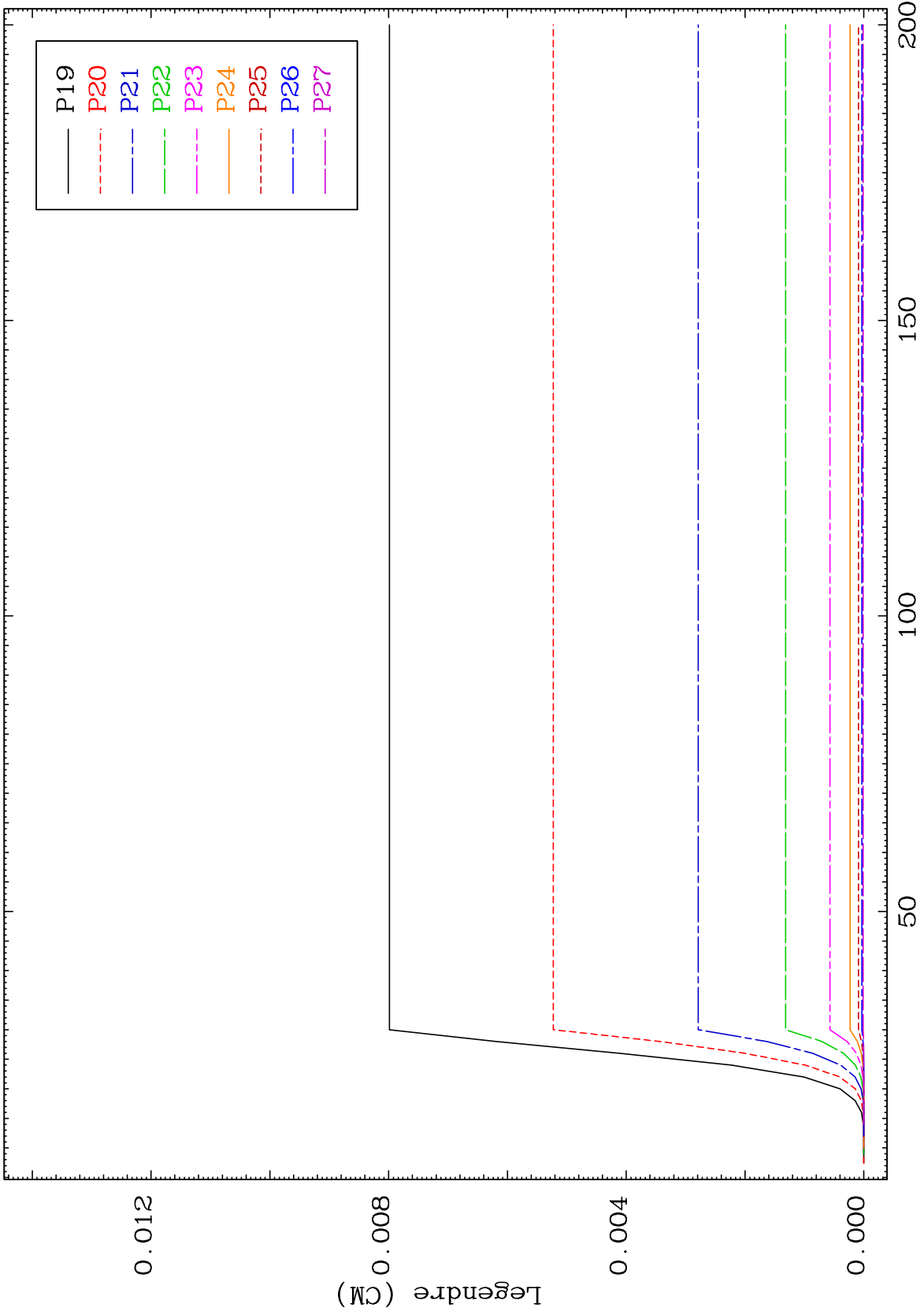
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



53

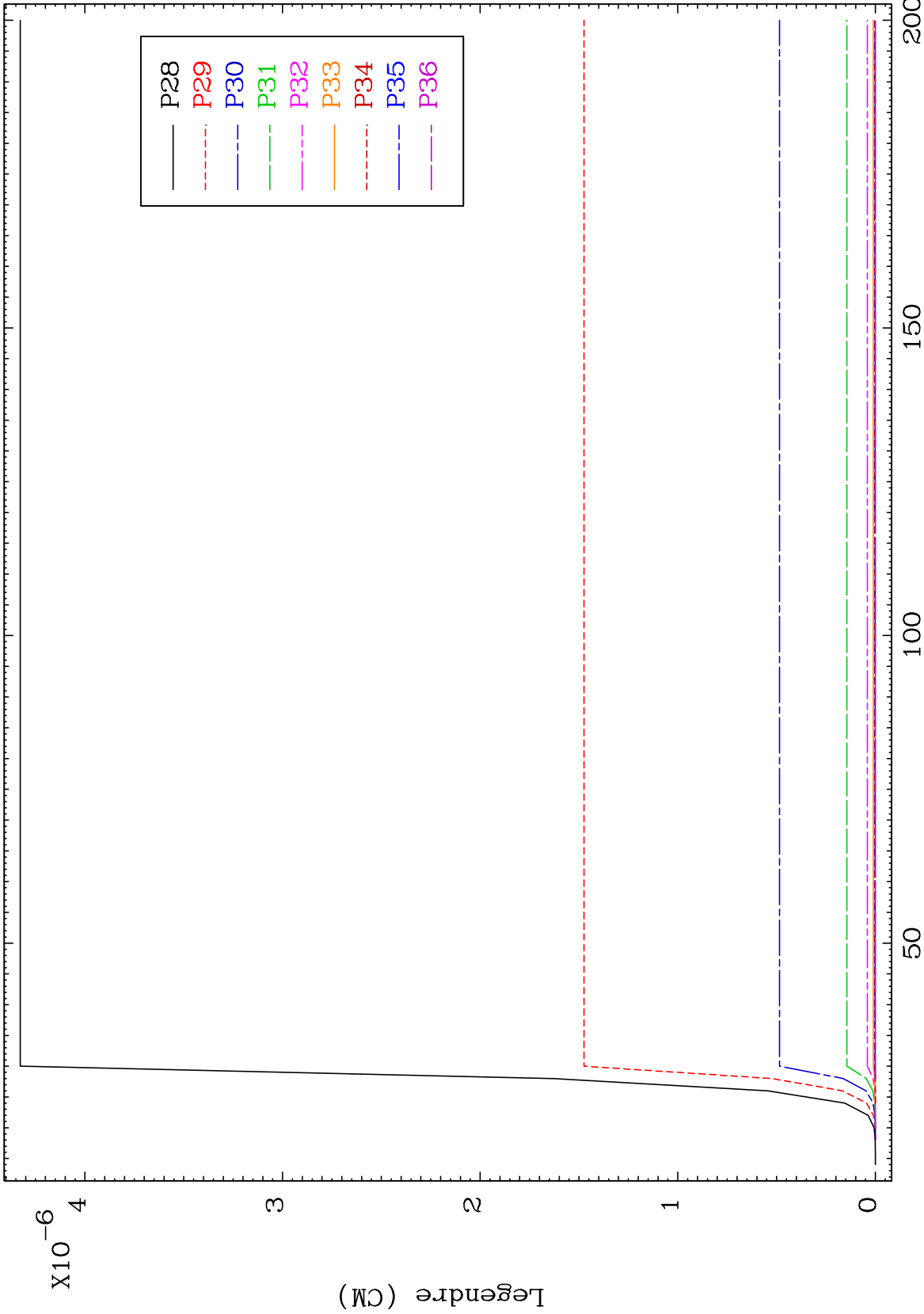
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



54

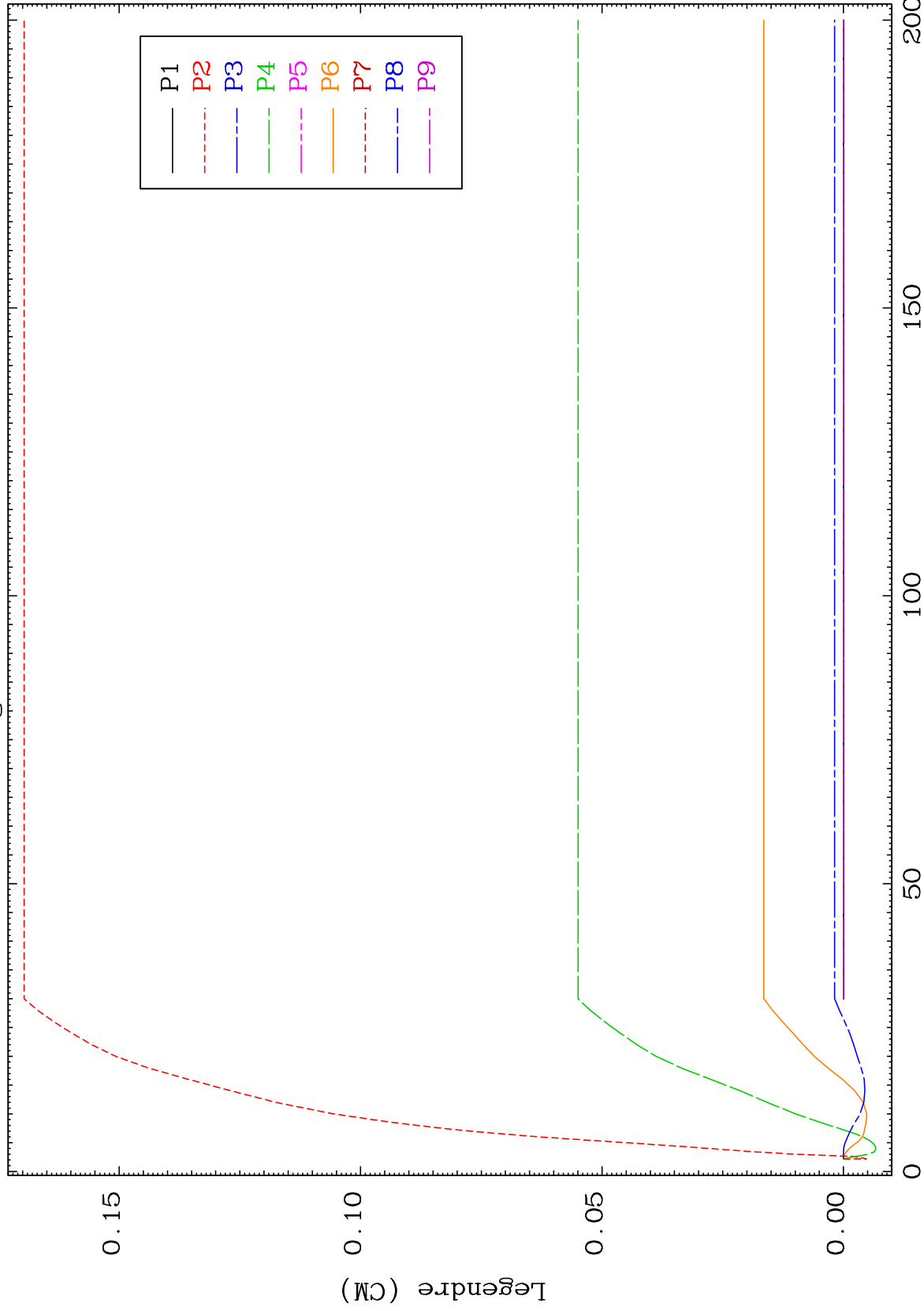
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



55

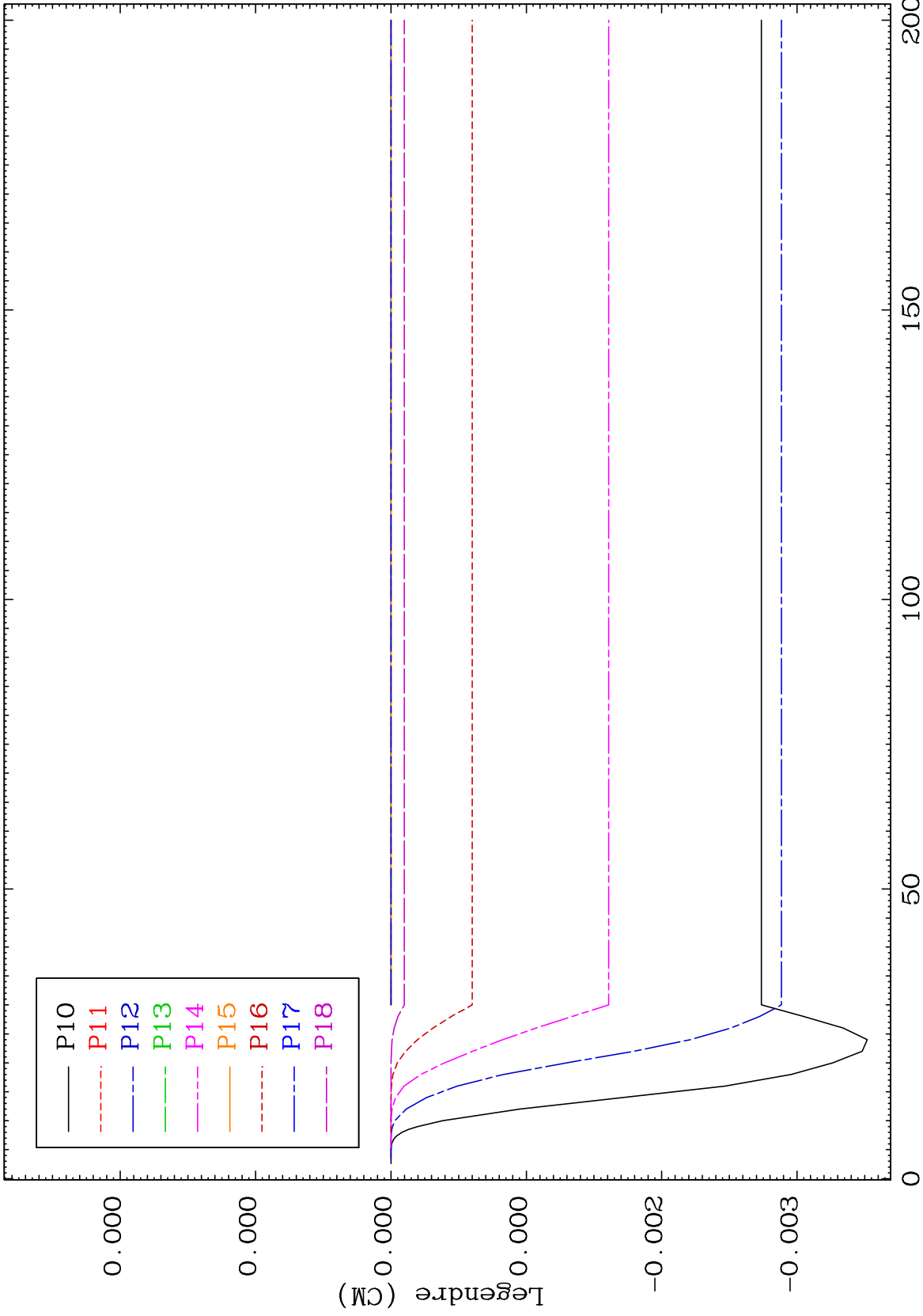
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



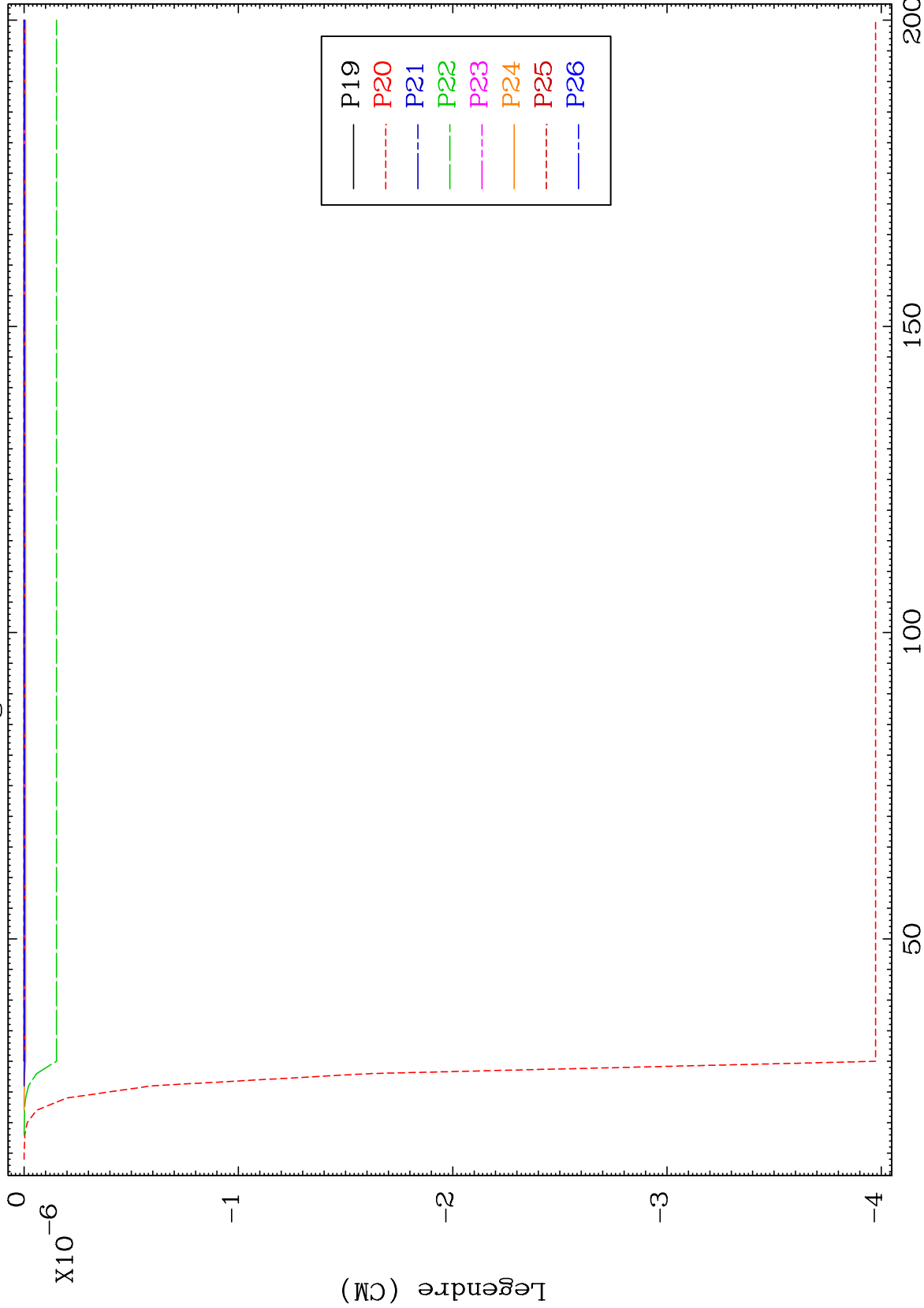
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54-Xe-138

MAT 5467

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

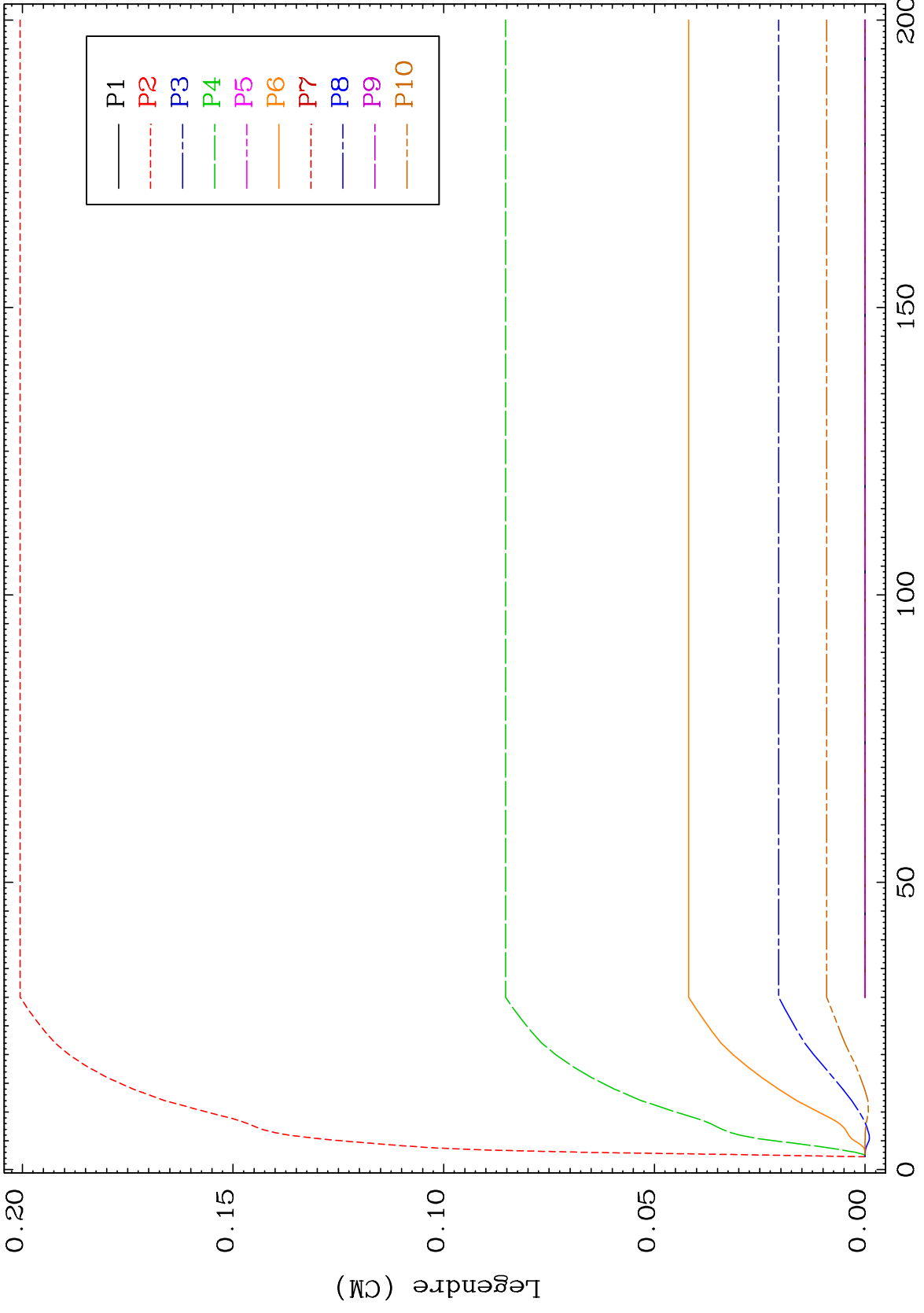
54-Xe-138



57

54-Xe-138

MAT 5467 MT= 61 (n,n') Level Legendre Coefficients 54-Xe-138

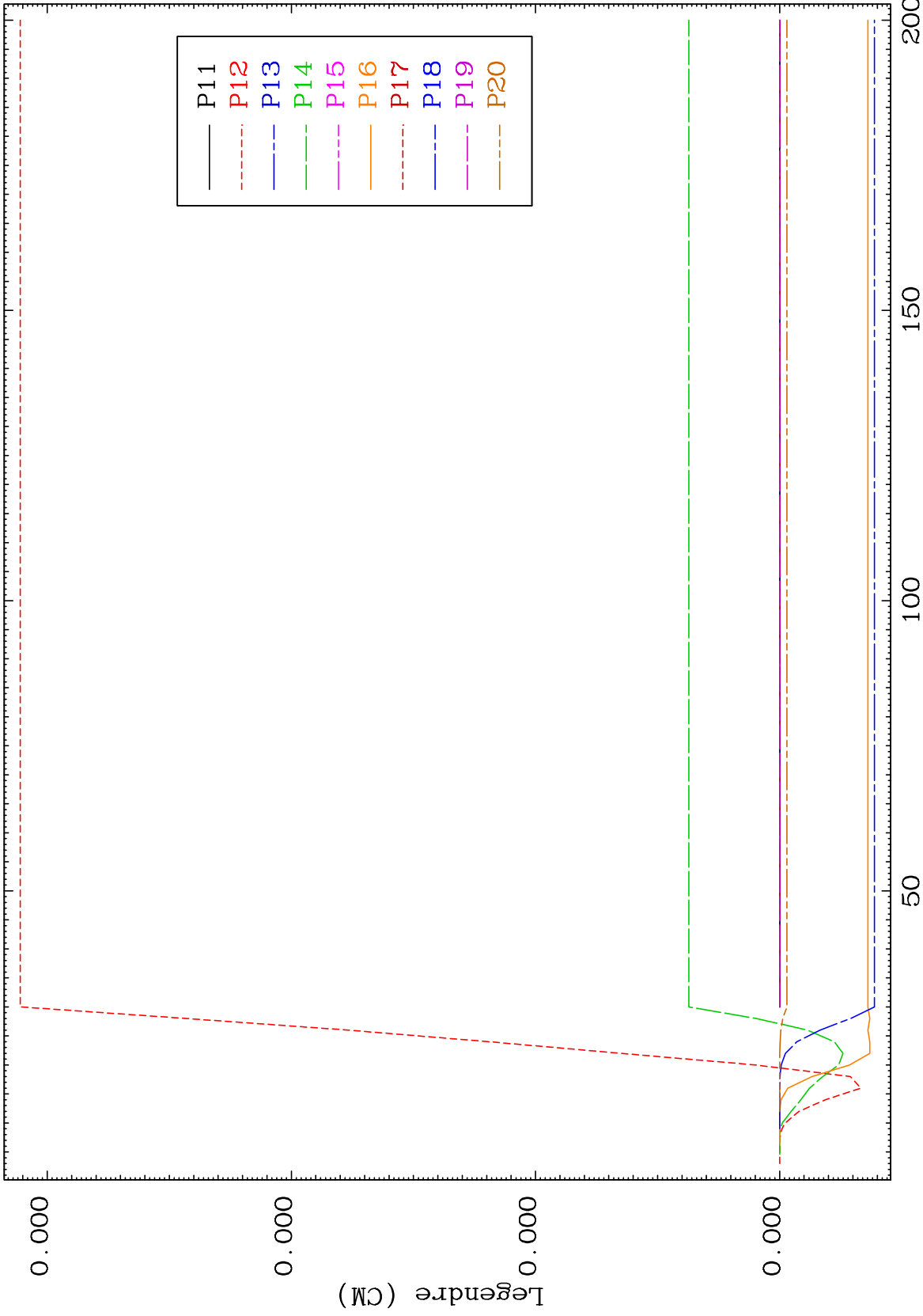


58 54-Xe-138

MAT 5467

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

54-Xe-138



59

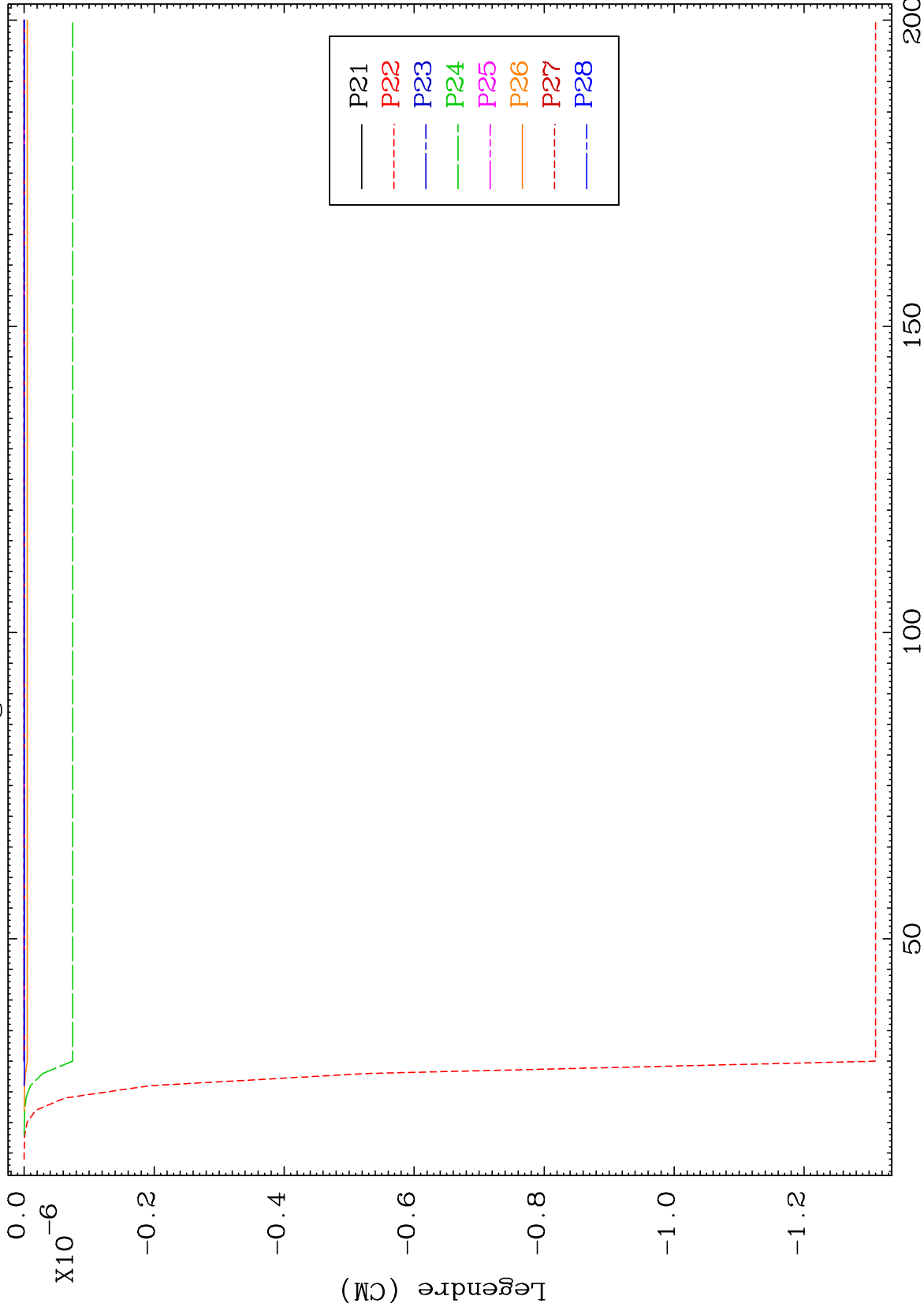
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



60

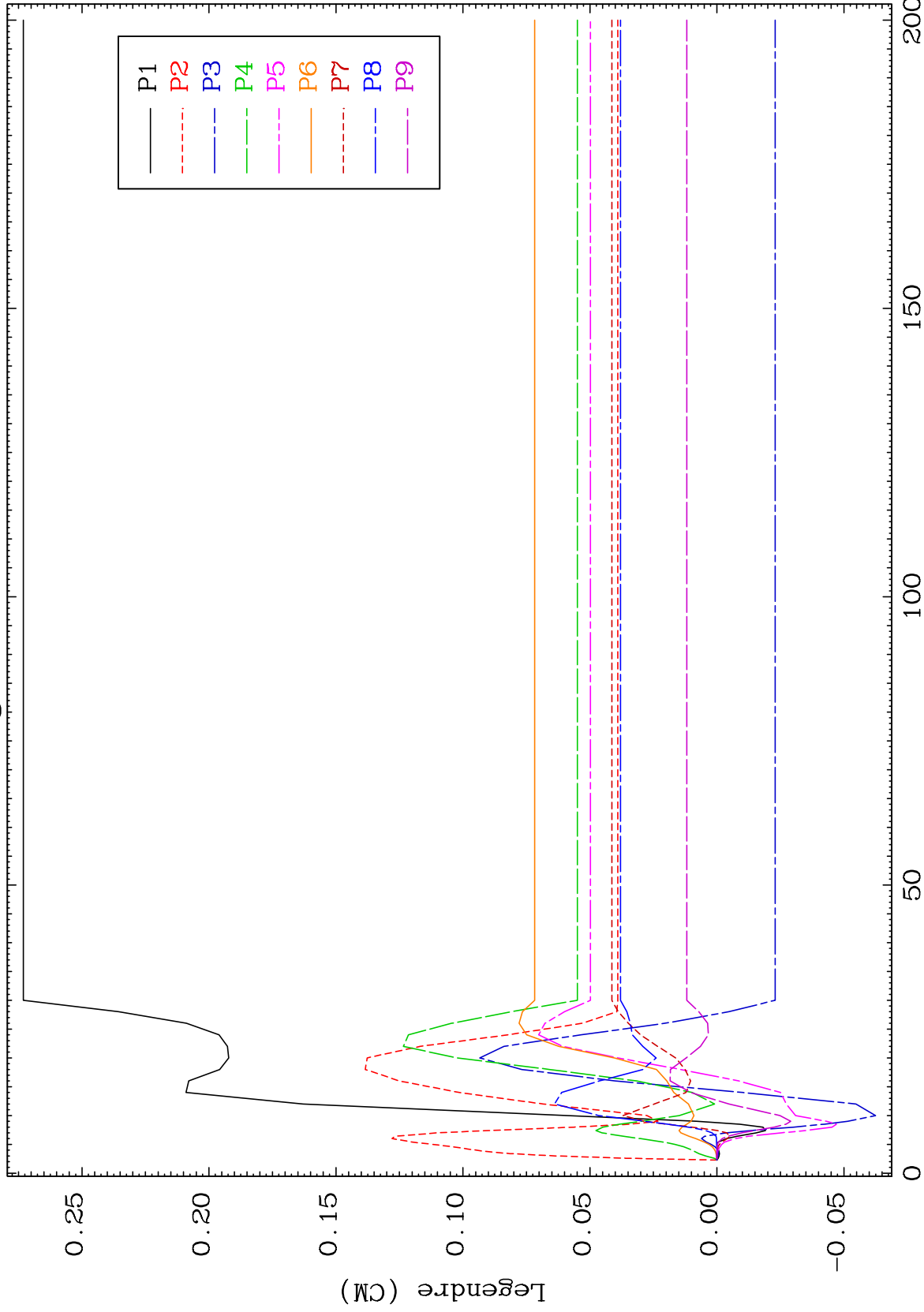
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



61

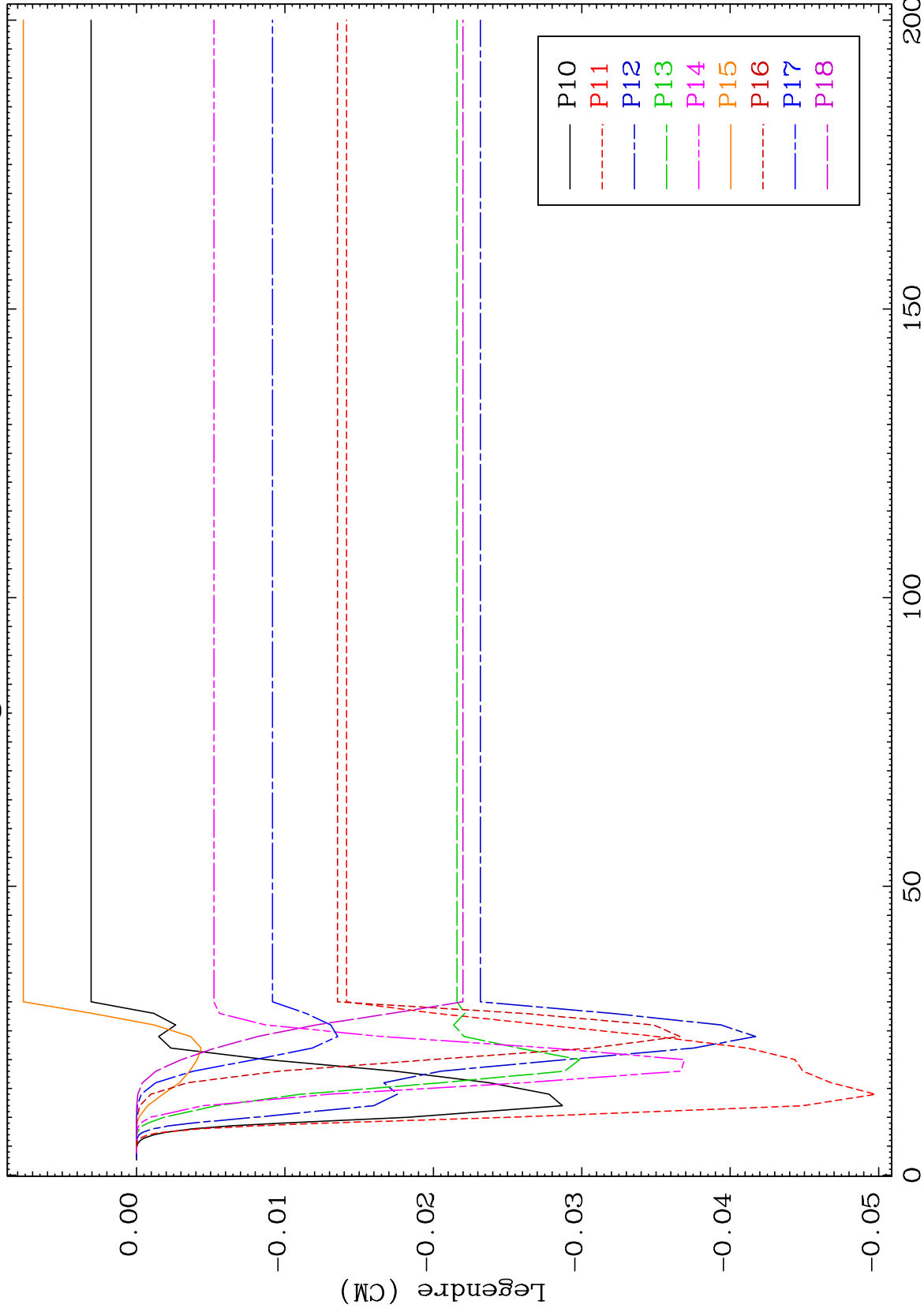
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



62

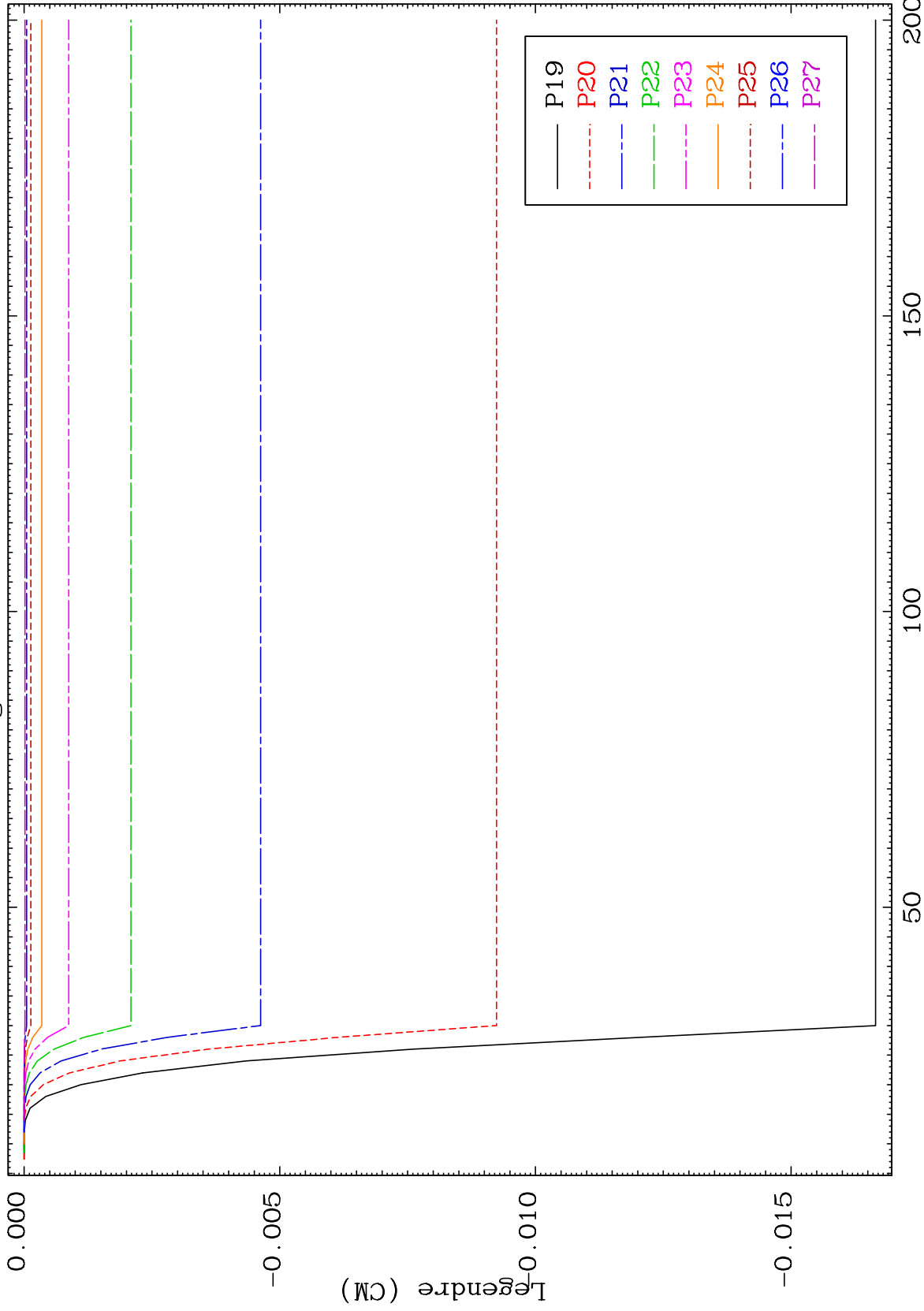
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



63

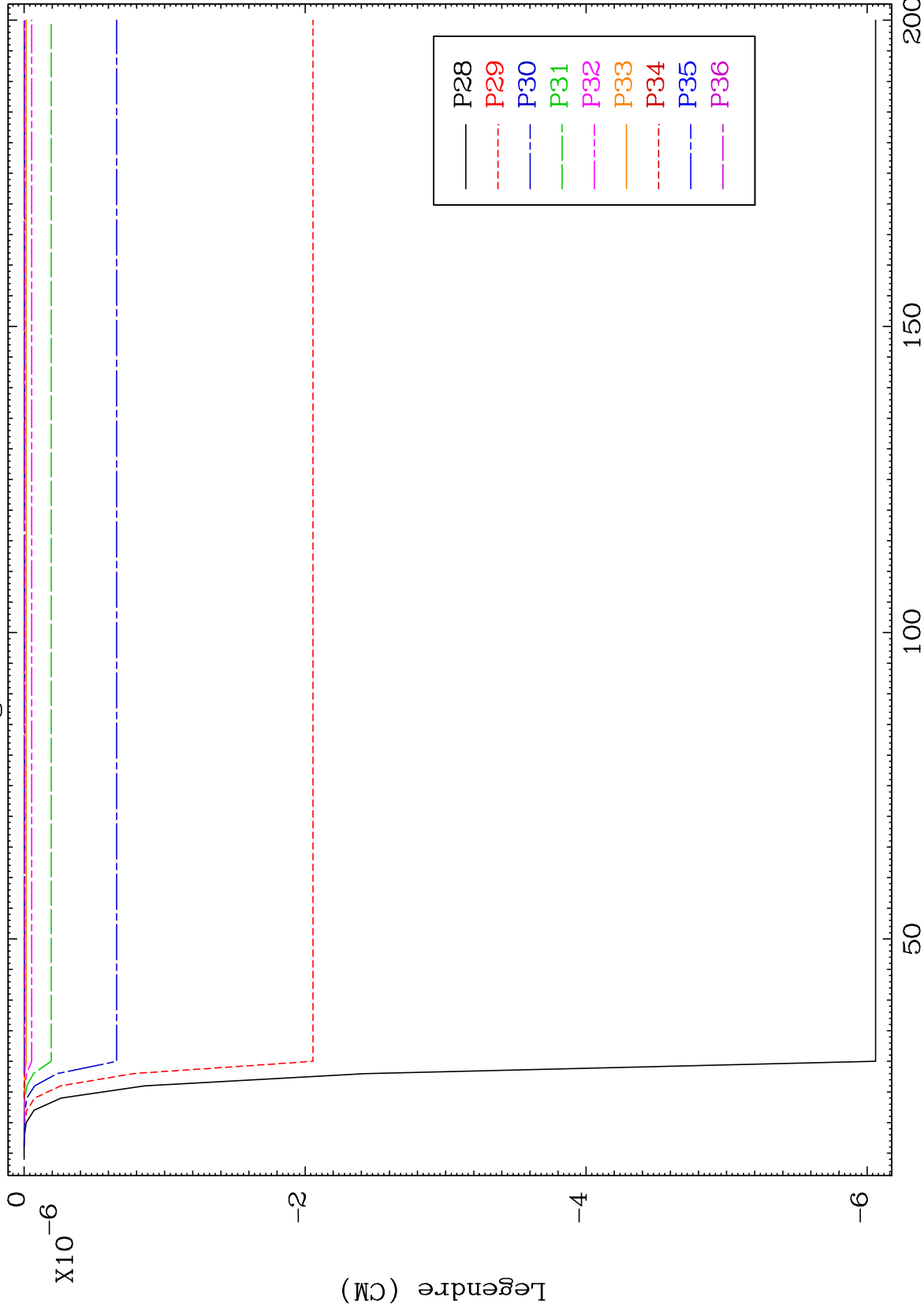
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



64

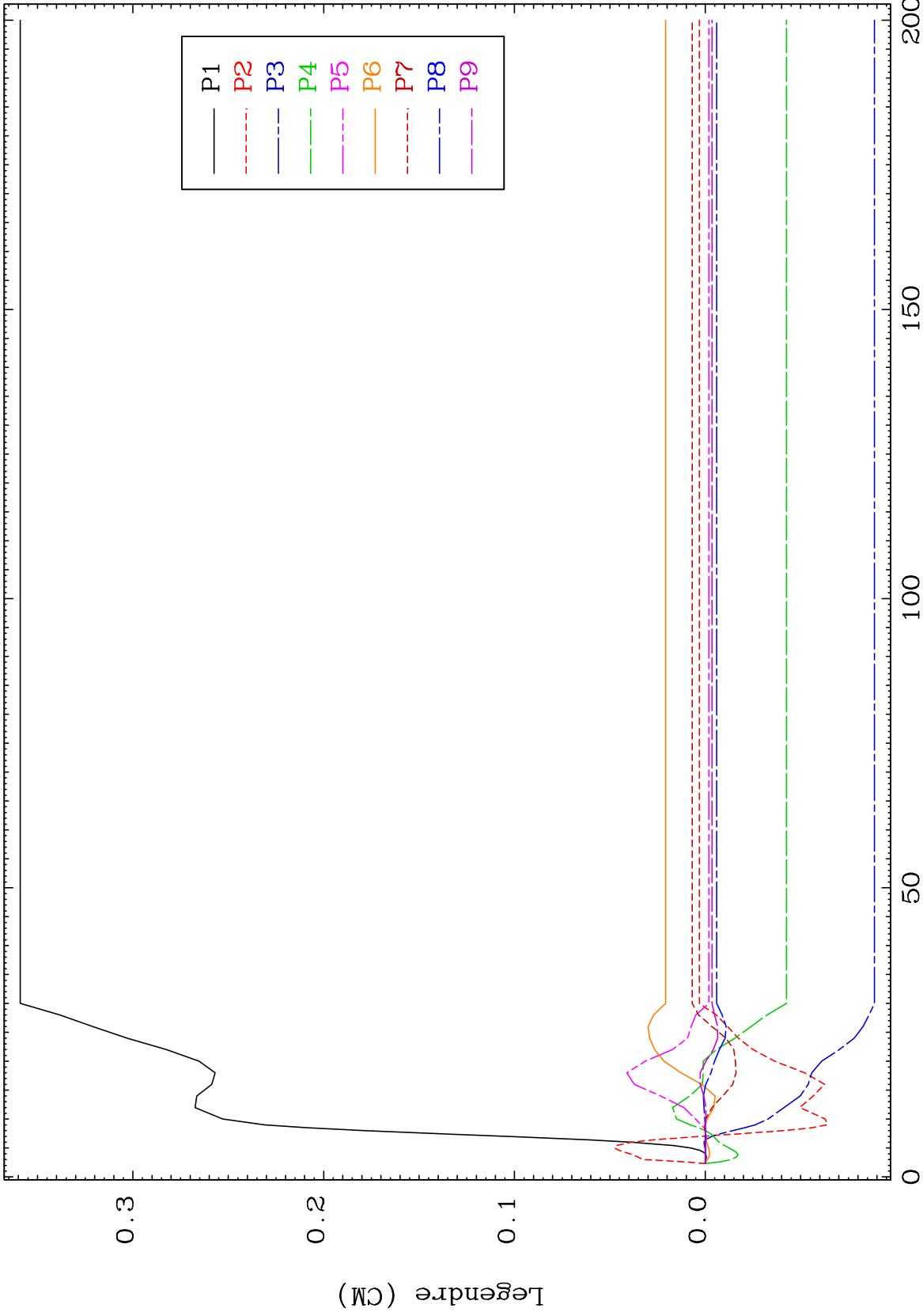
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



65

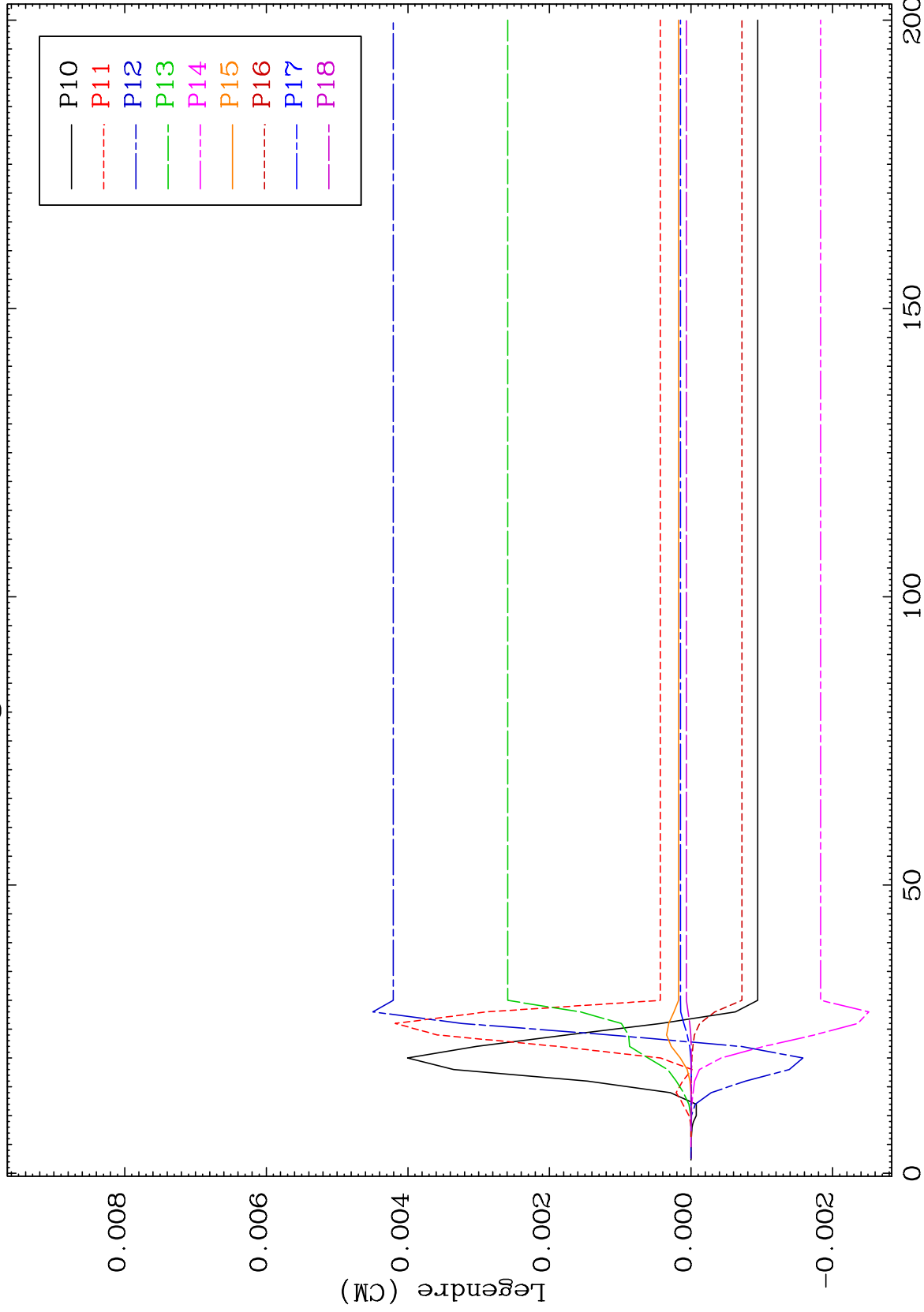
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



66

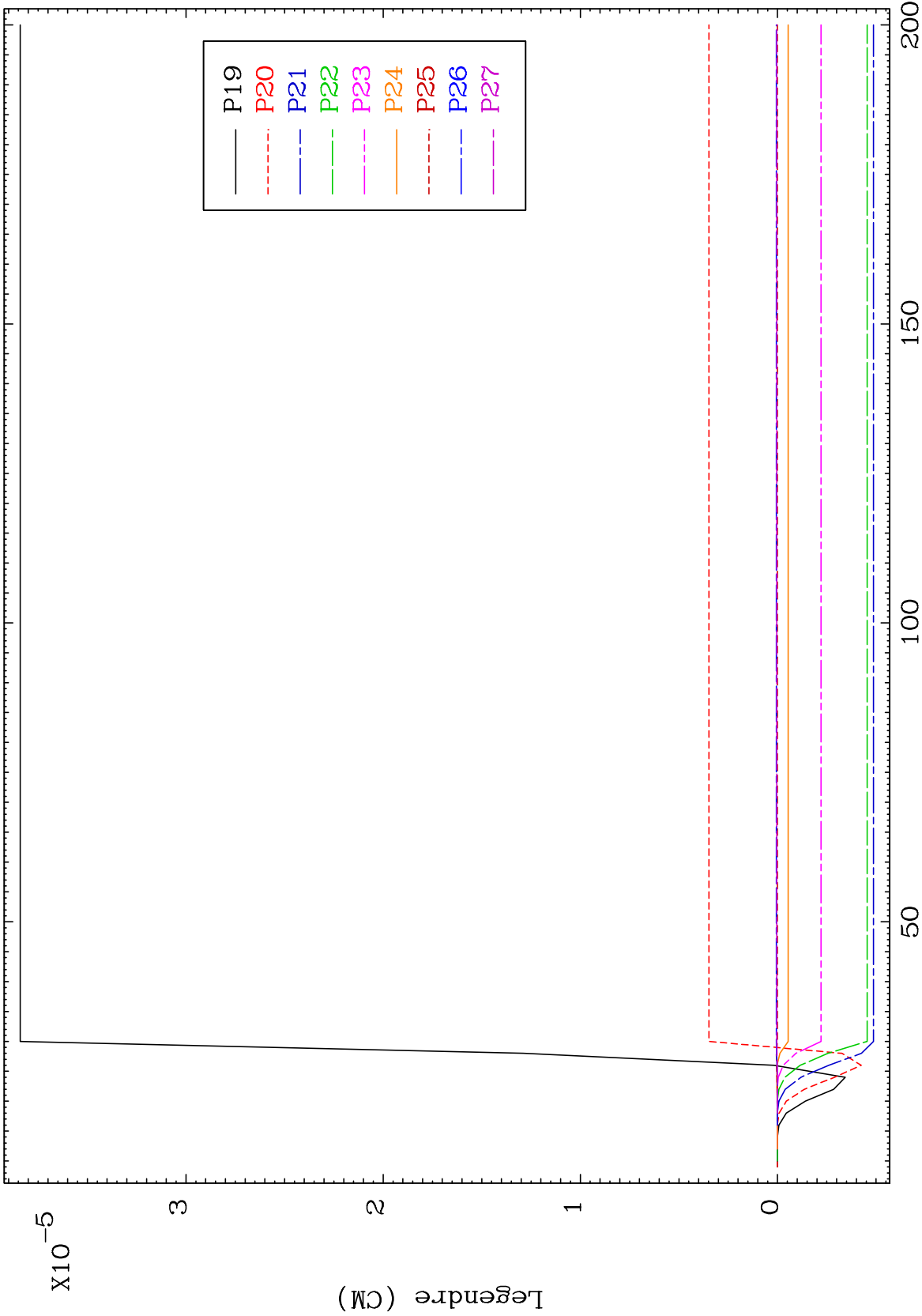
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



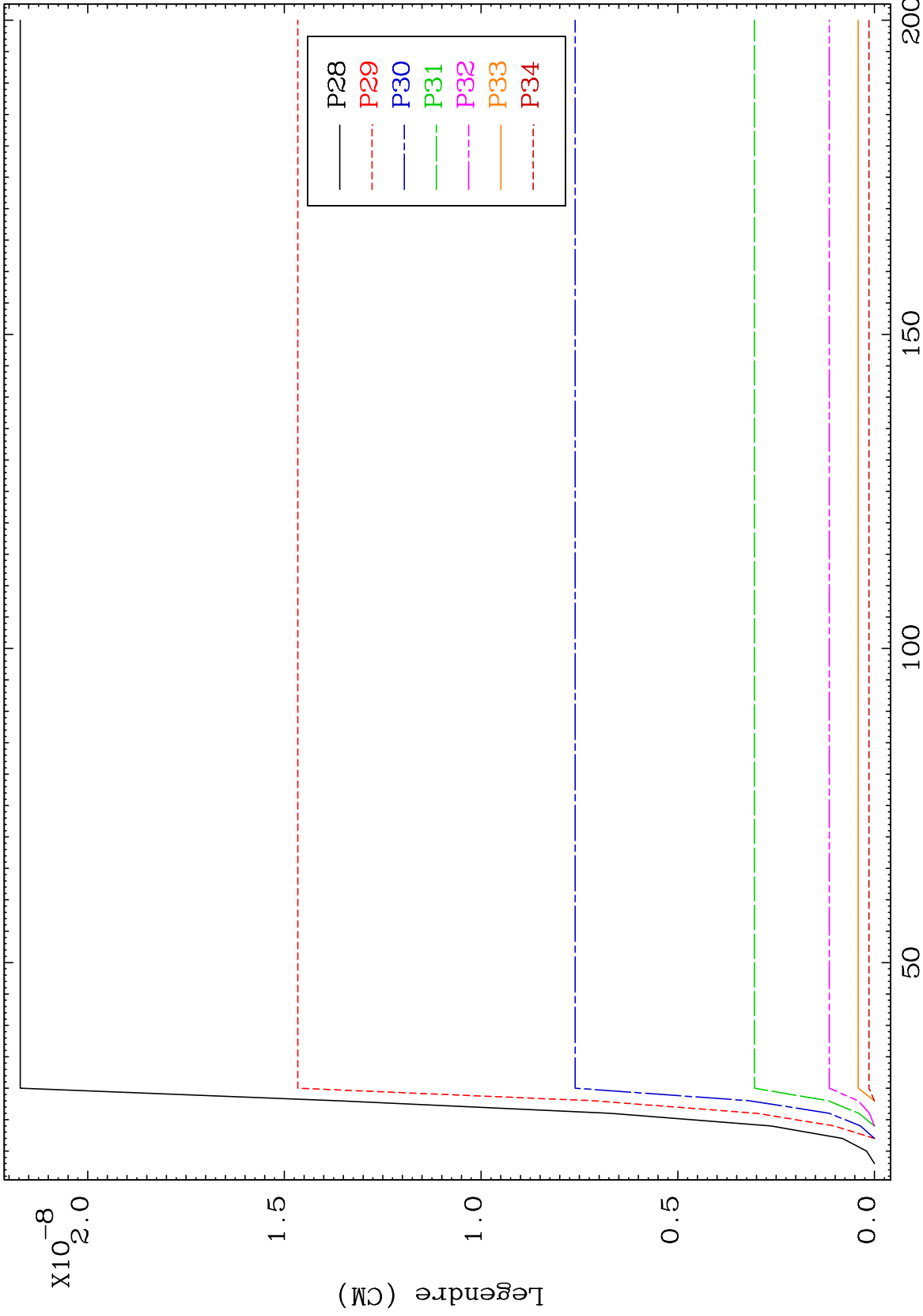
67

54-Xe-138

MAT 5467

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

54-Xe-138



68

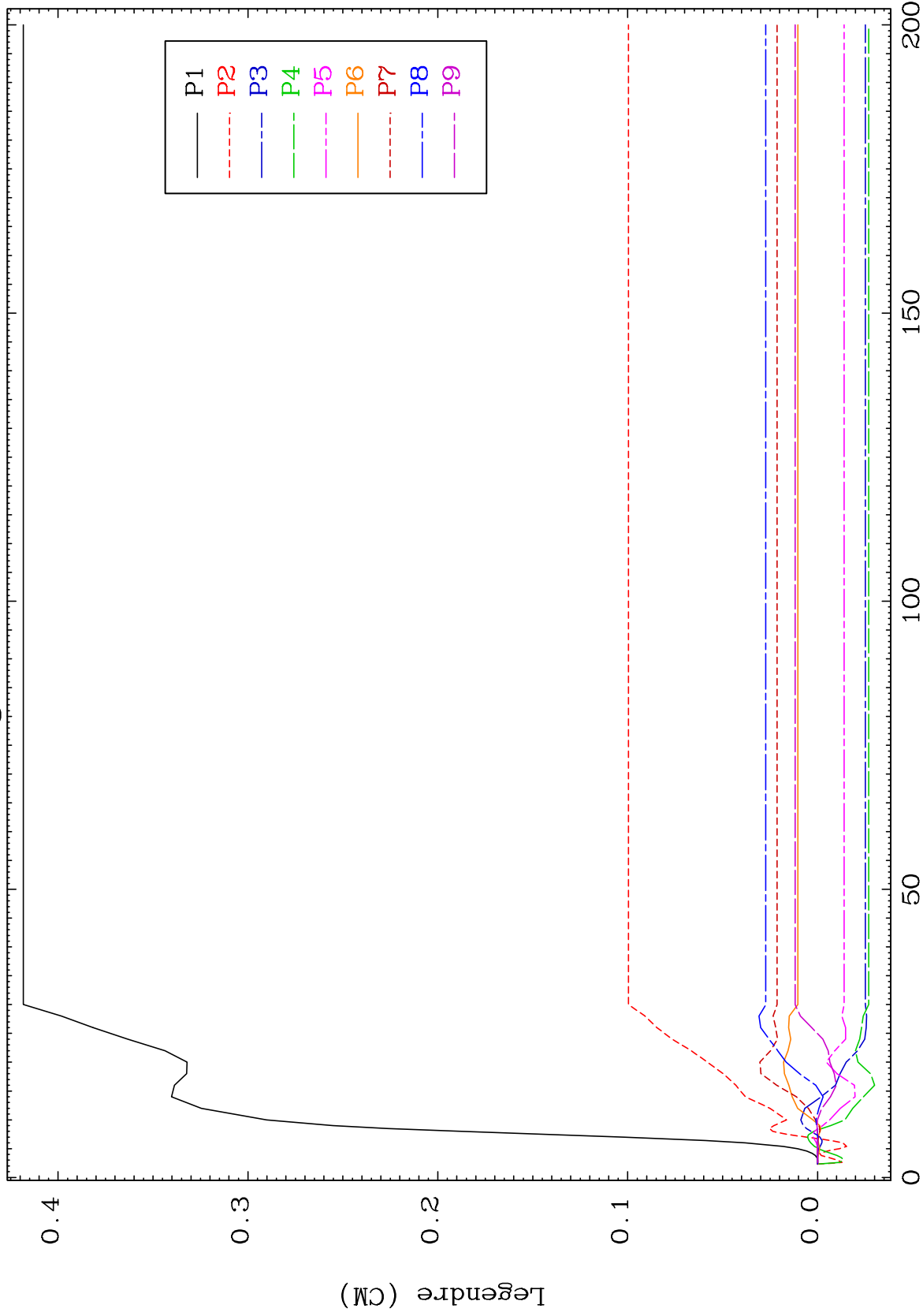
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



69

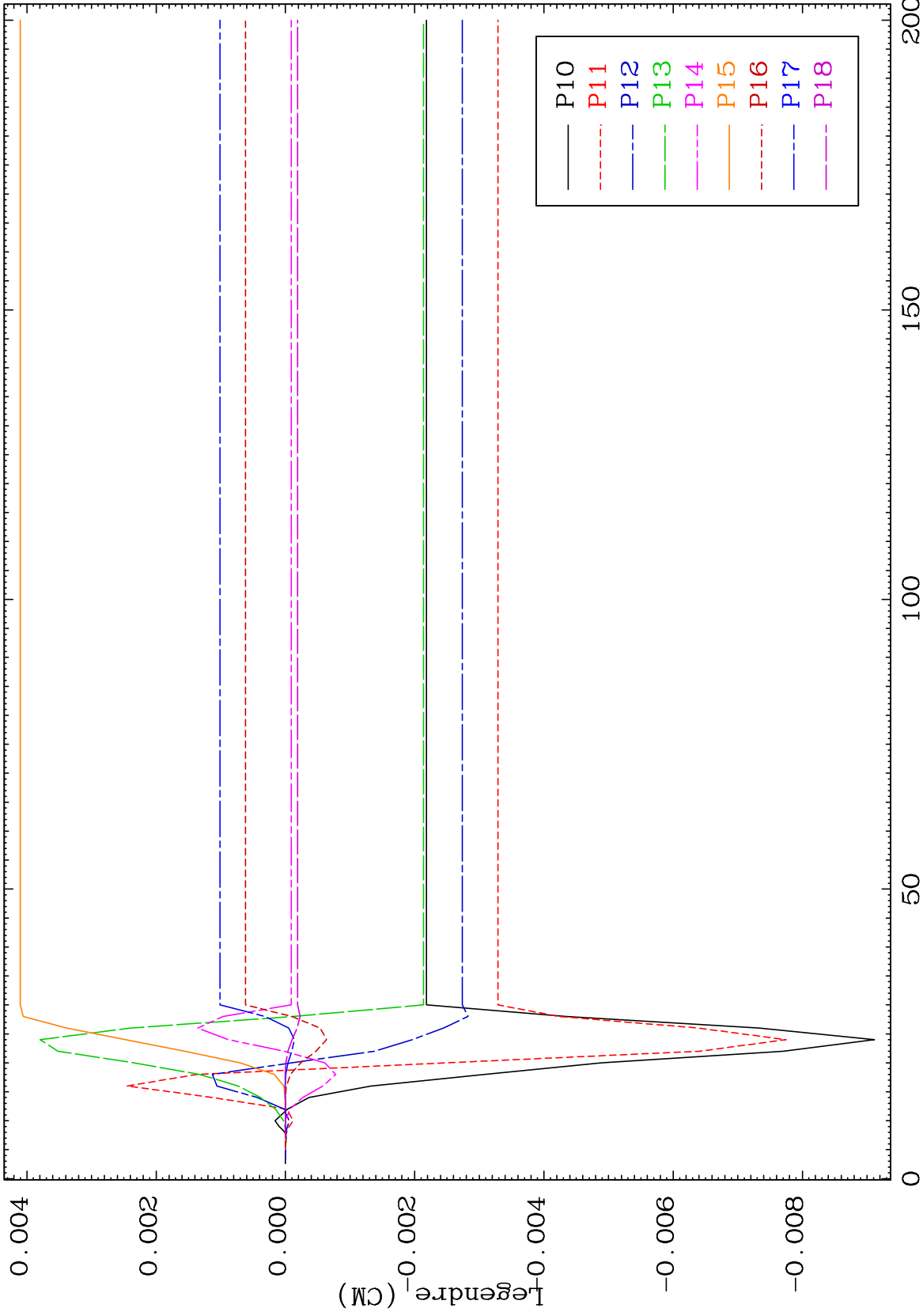
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



70

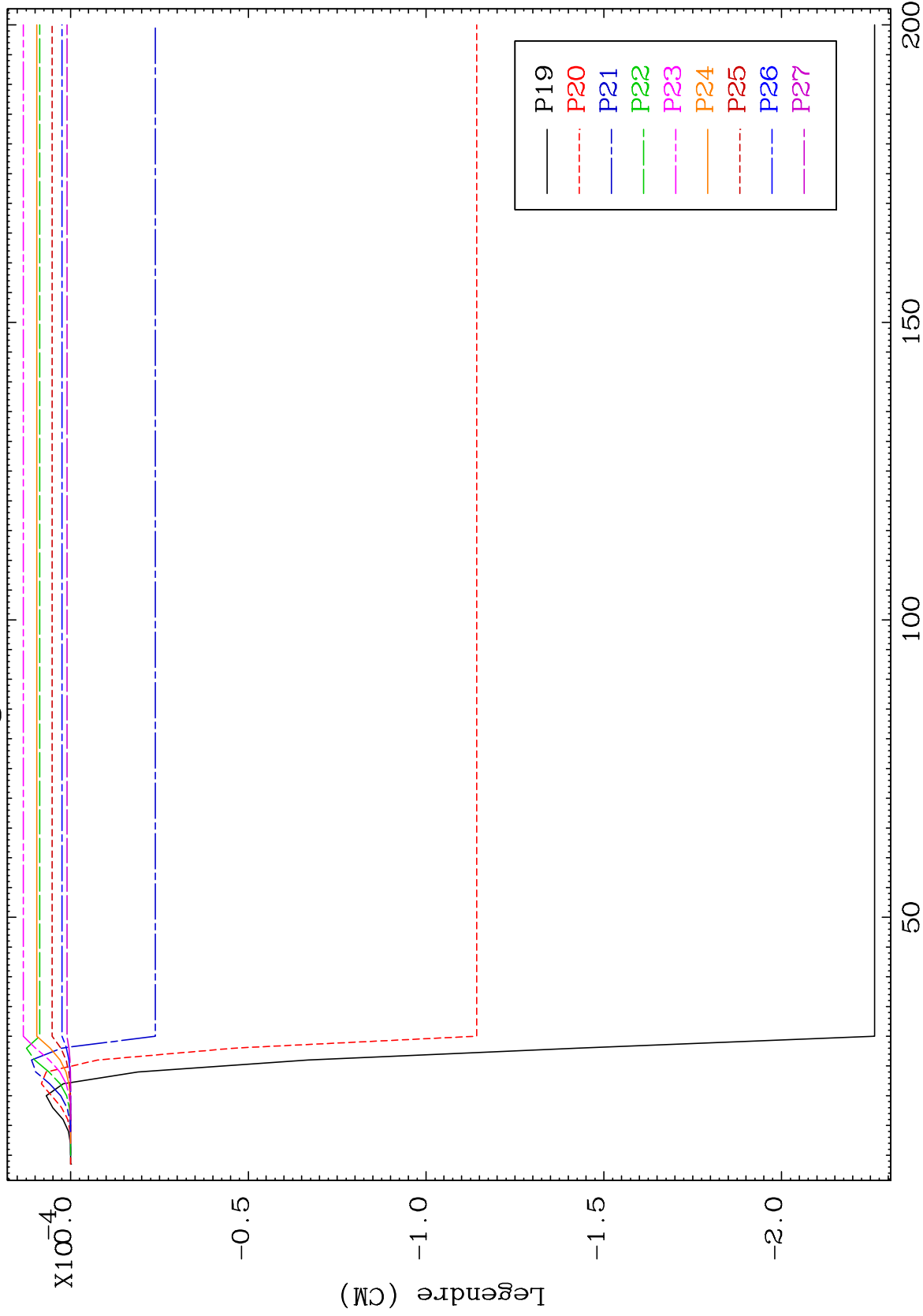
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



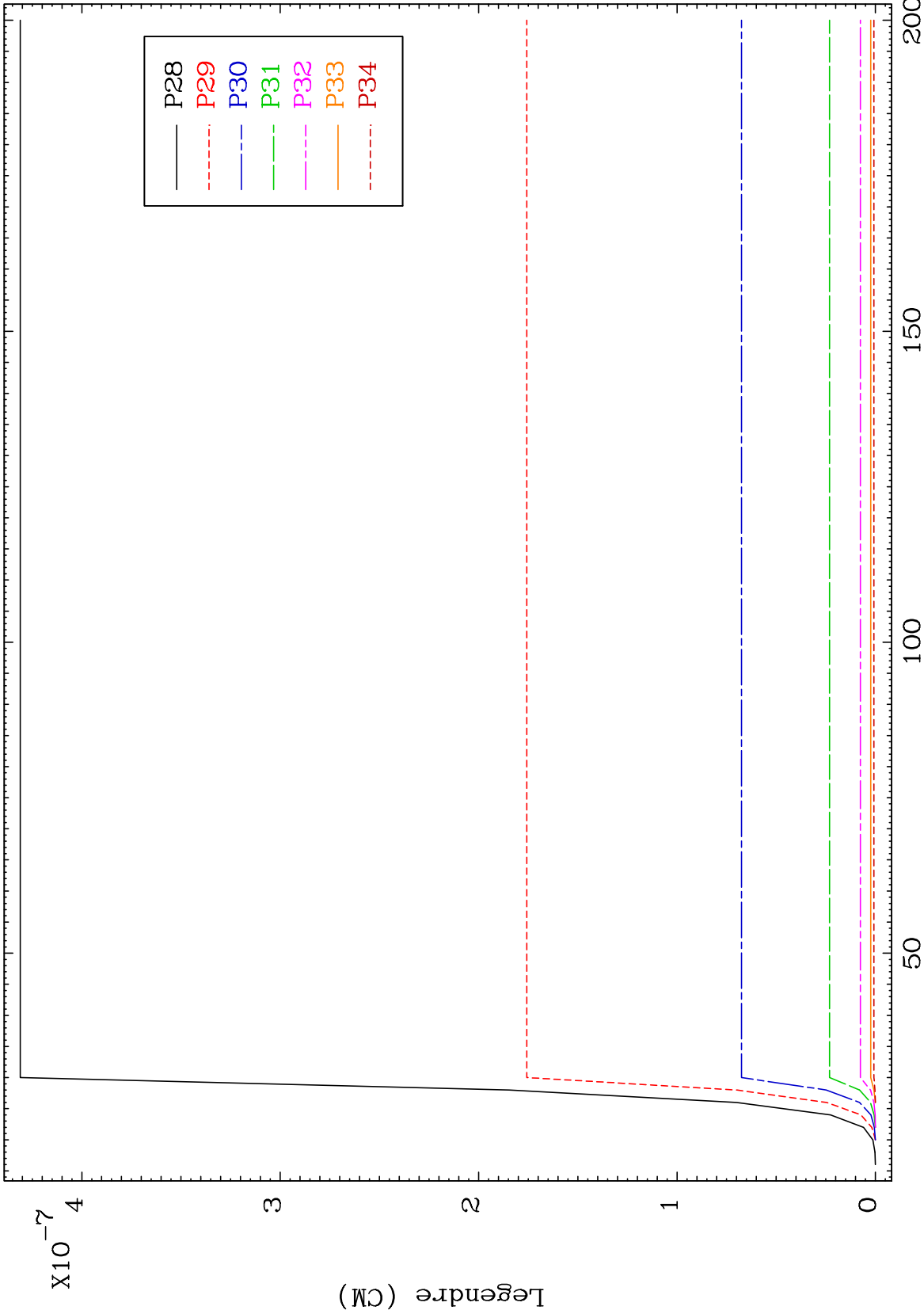
71

54-Xe-138

MAT 5467

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

54-Xe-138



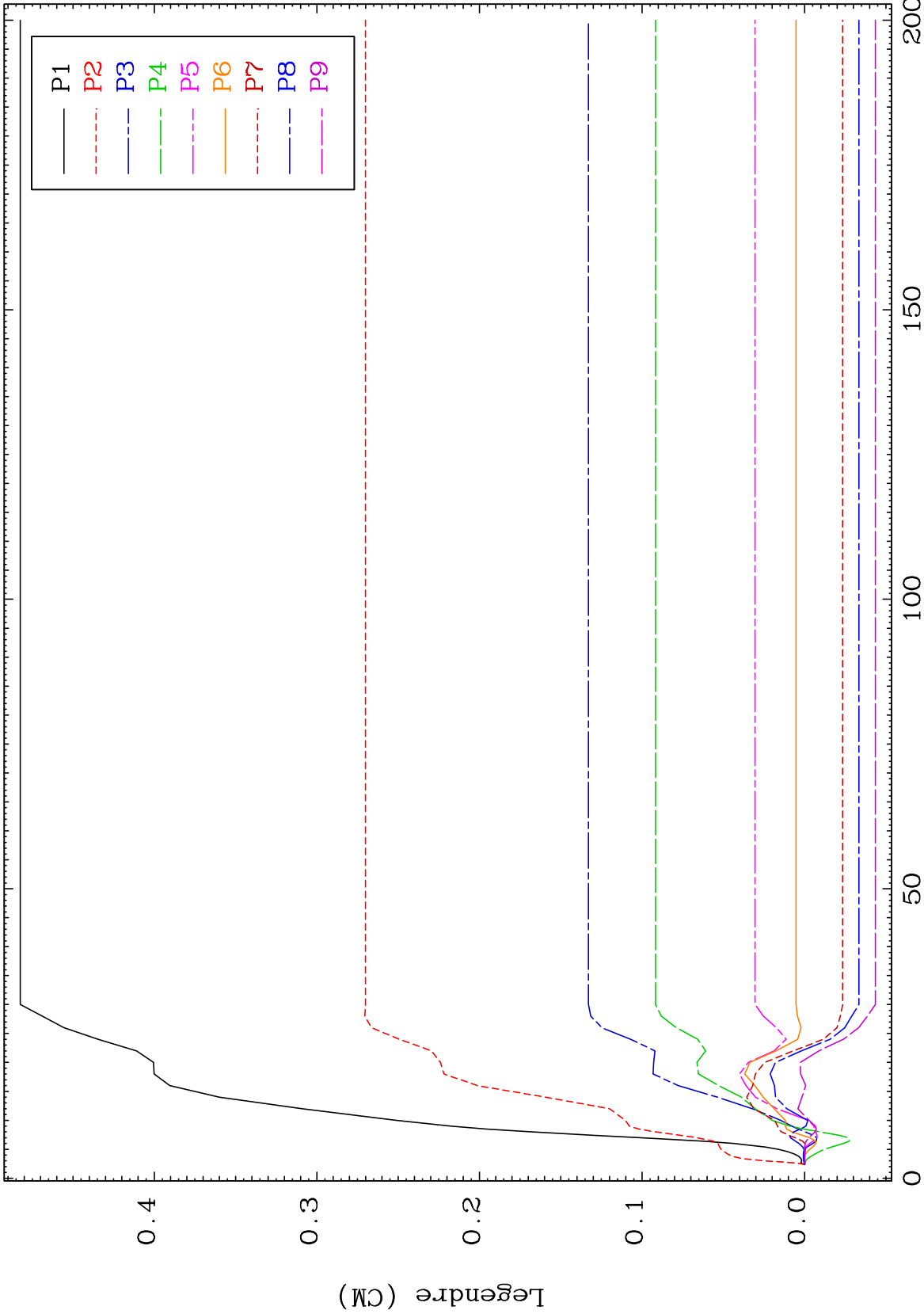
72

54-Xe-138

MAT 5467

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

54-Xe-138



73

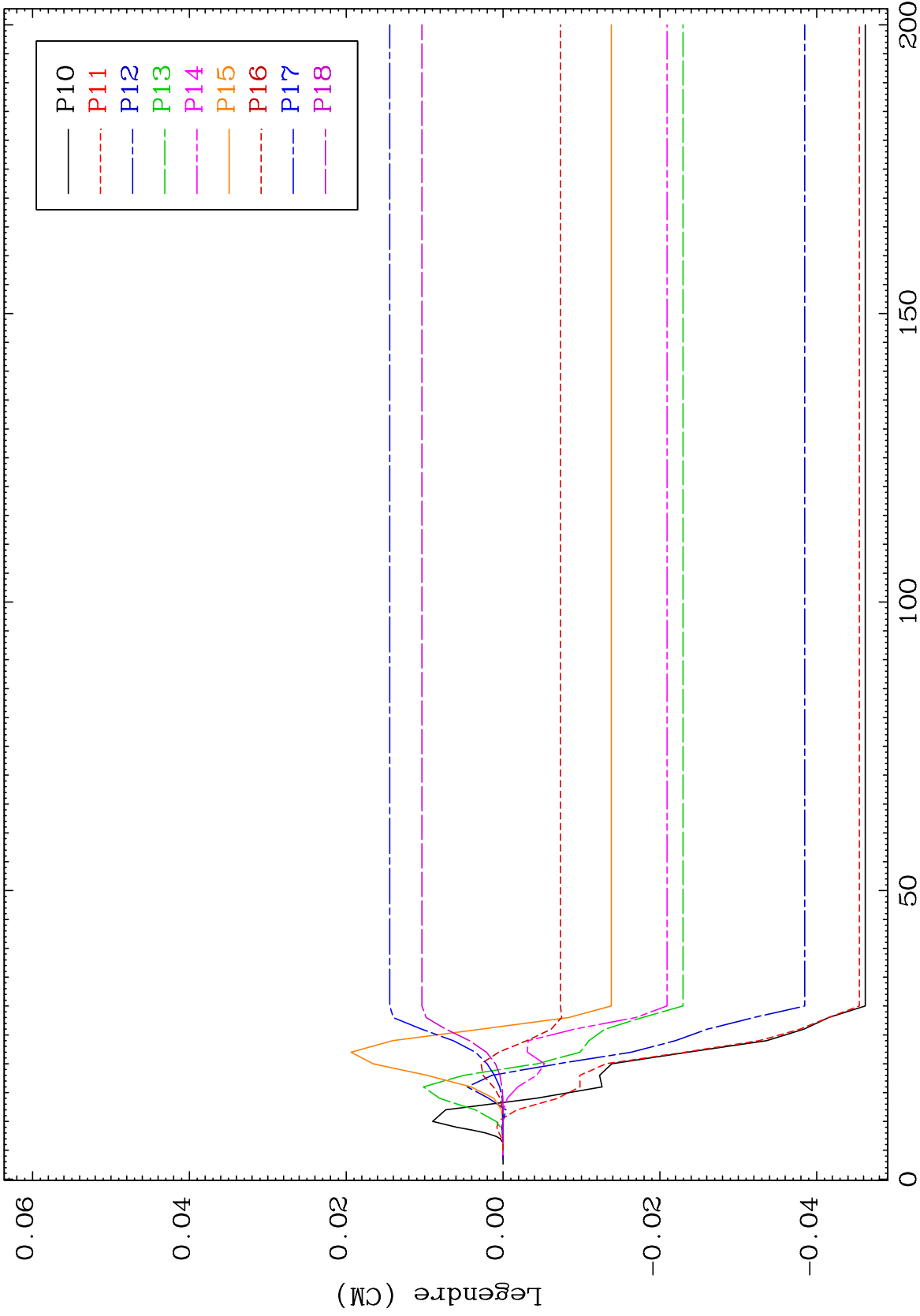
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



74

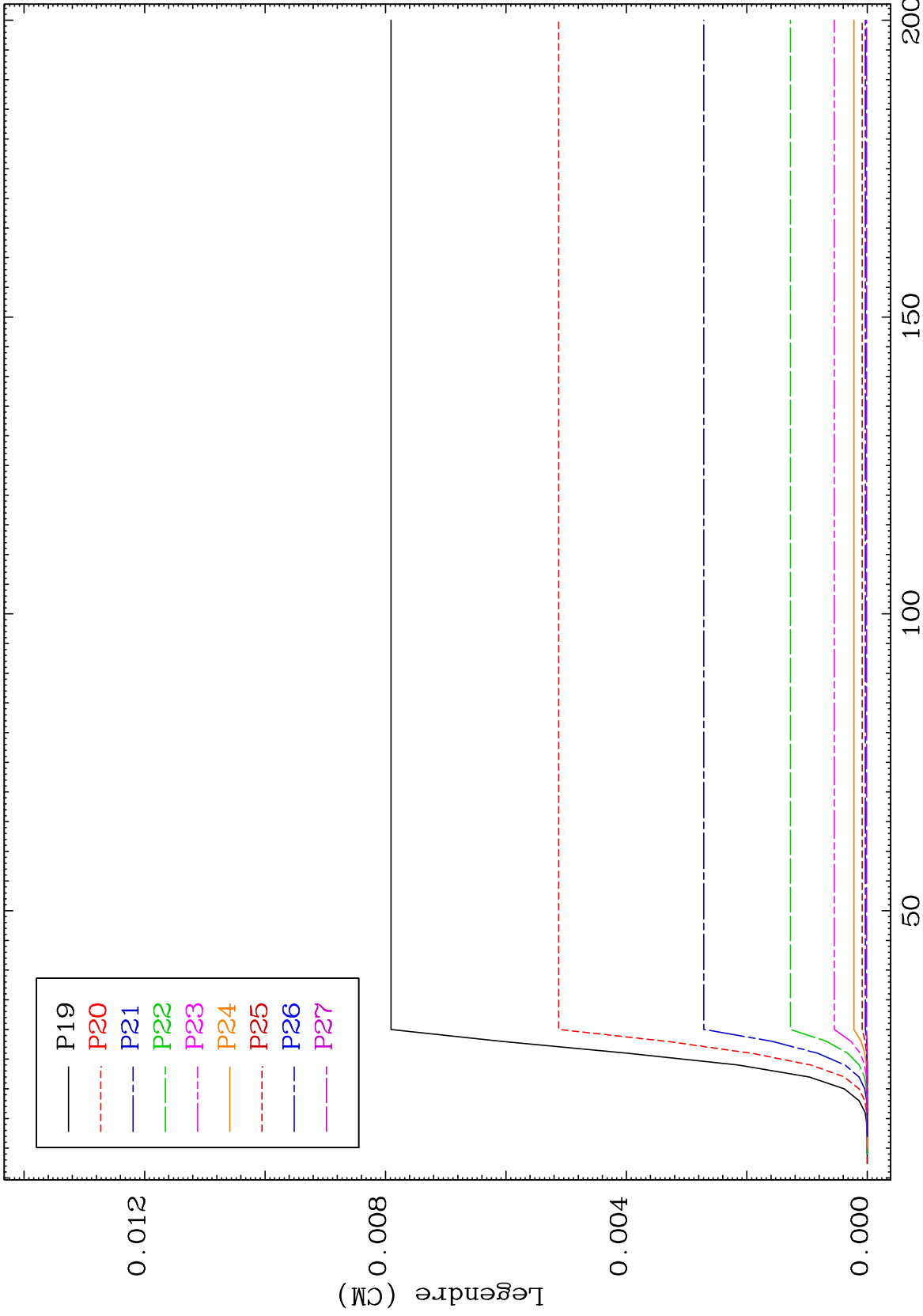
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



75

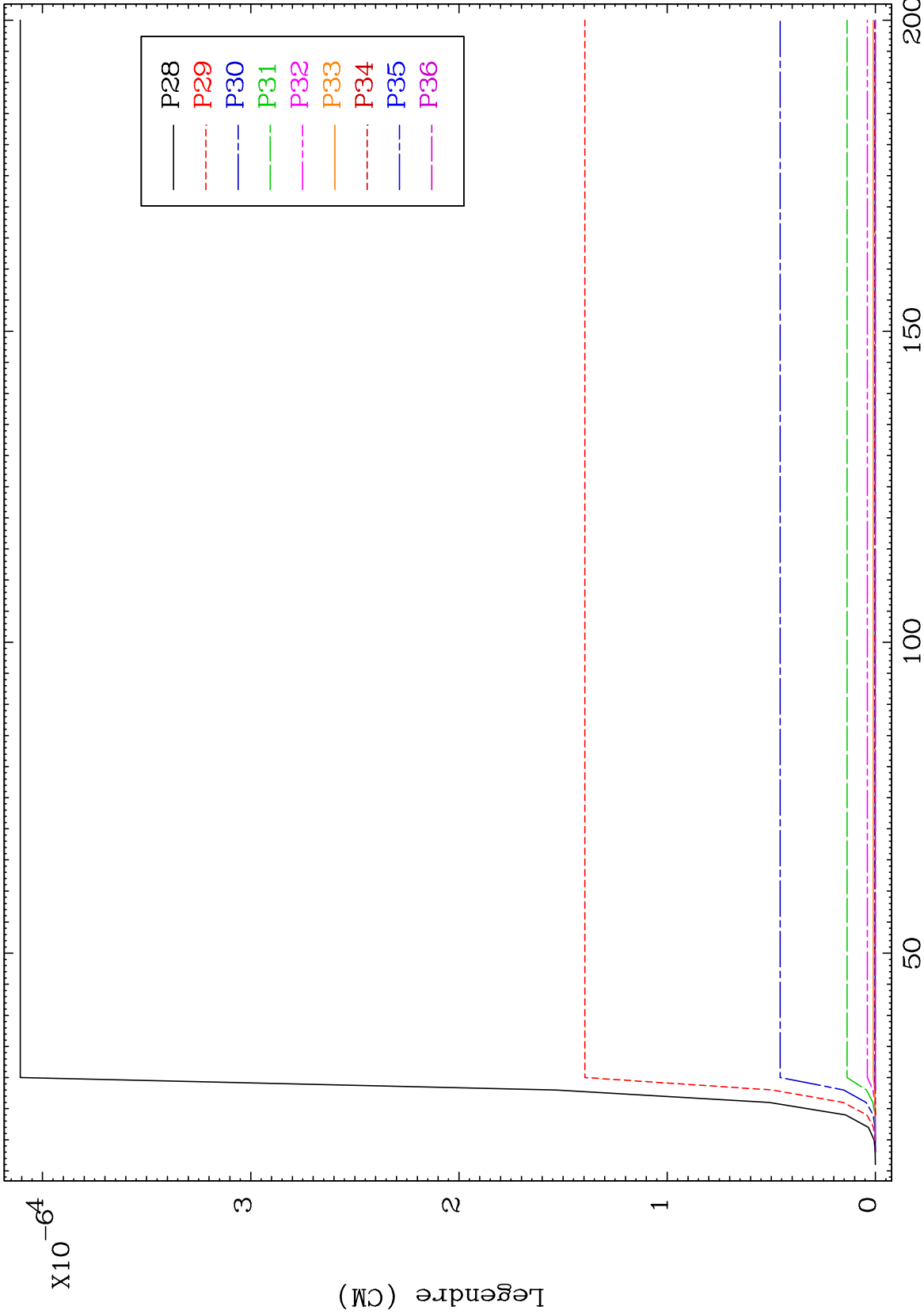
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138

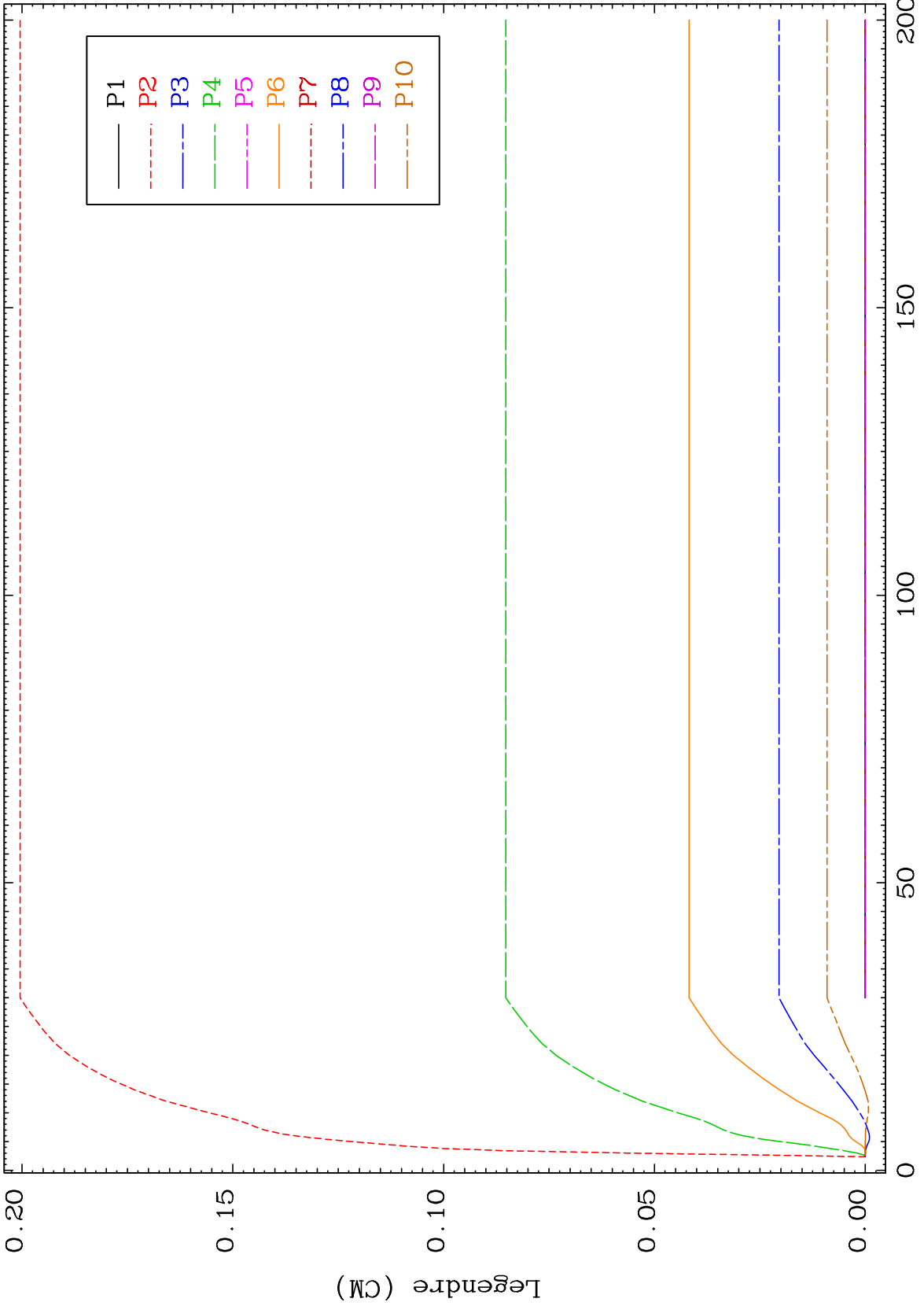


76

Incident Energy (MeV)

54-Xe-138

MAT 5467 MT= 66 (n,n') Level Legendre Coefficients 54-Xe-138

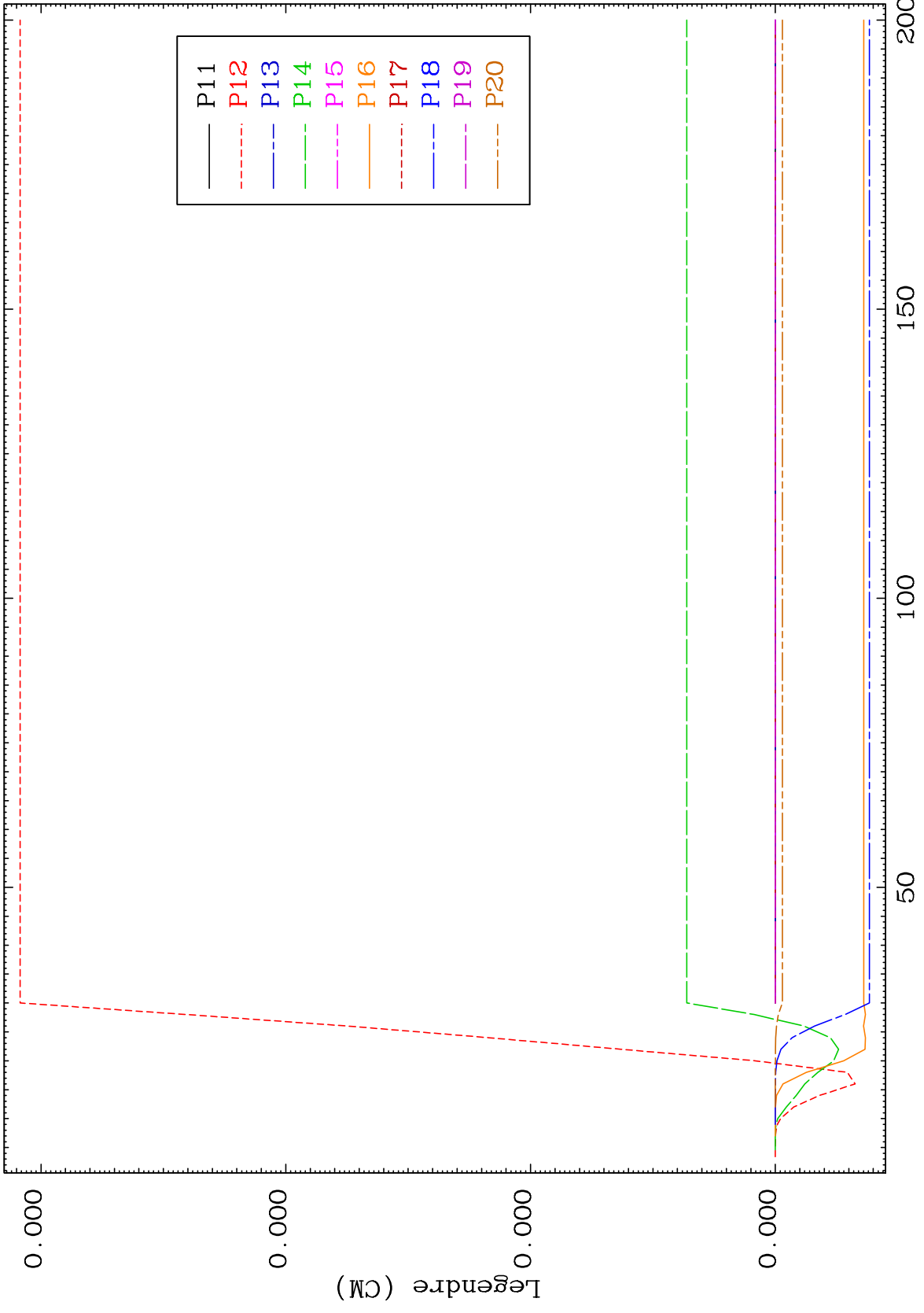


77 54-Xe-138

MAT 5467

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

54-Xe-138



78

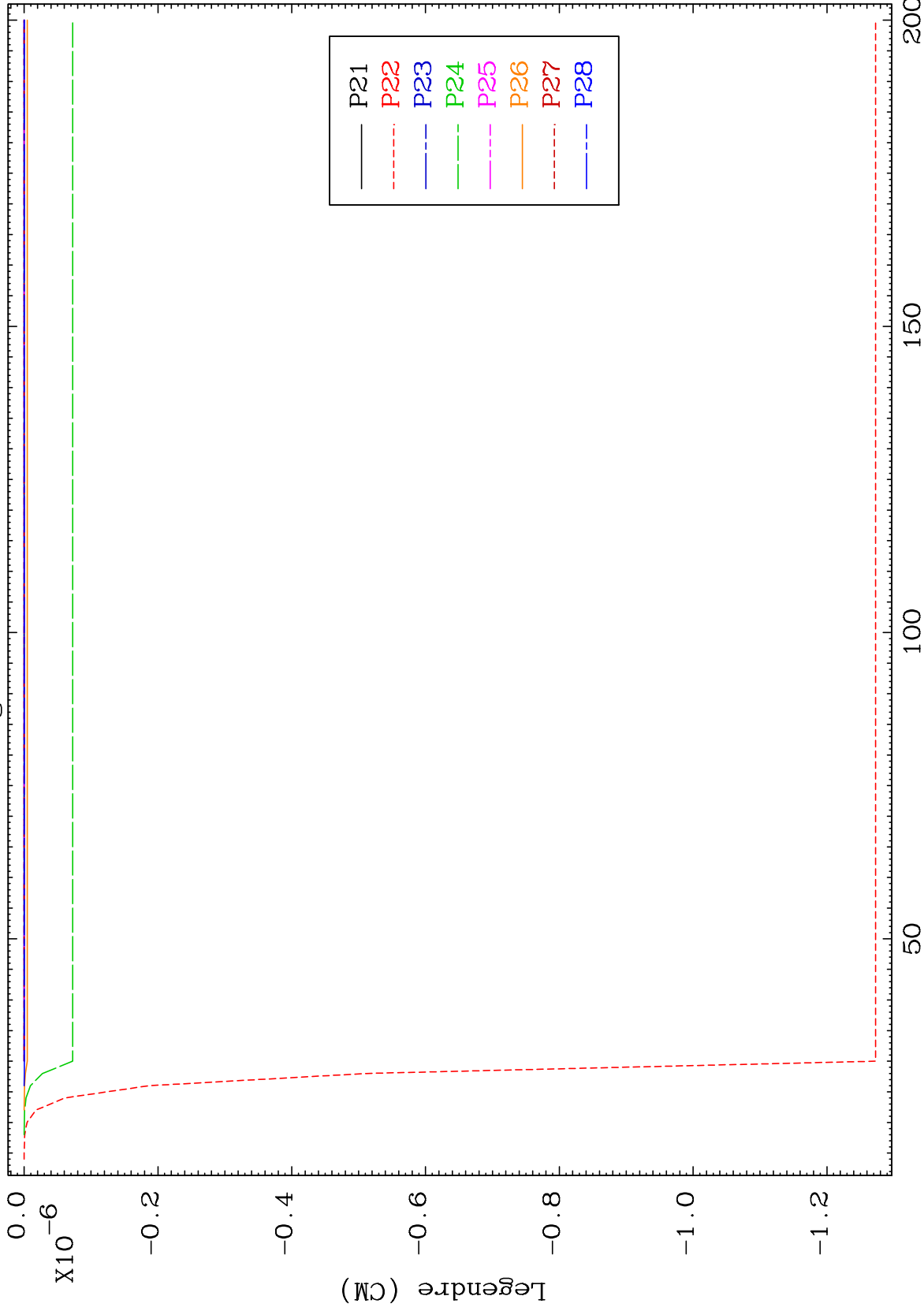
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



79

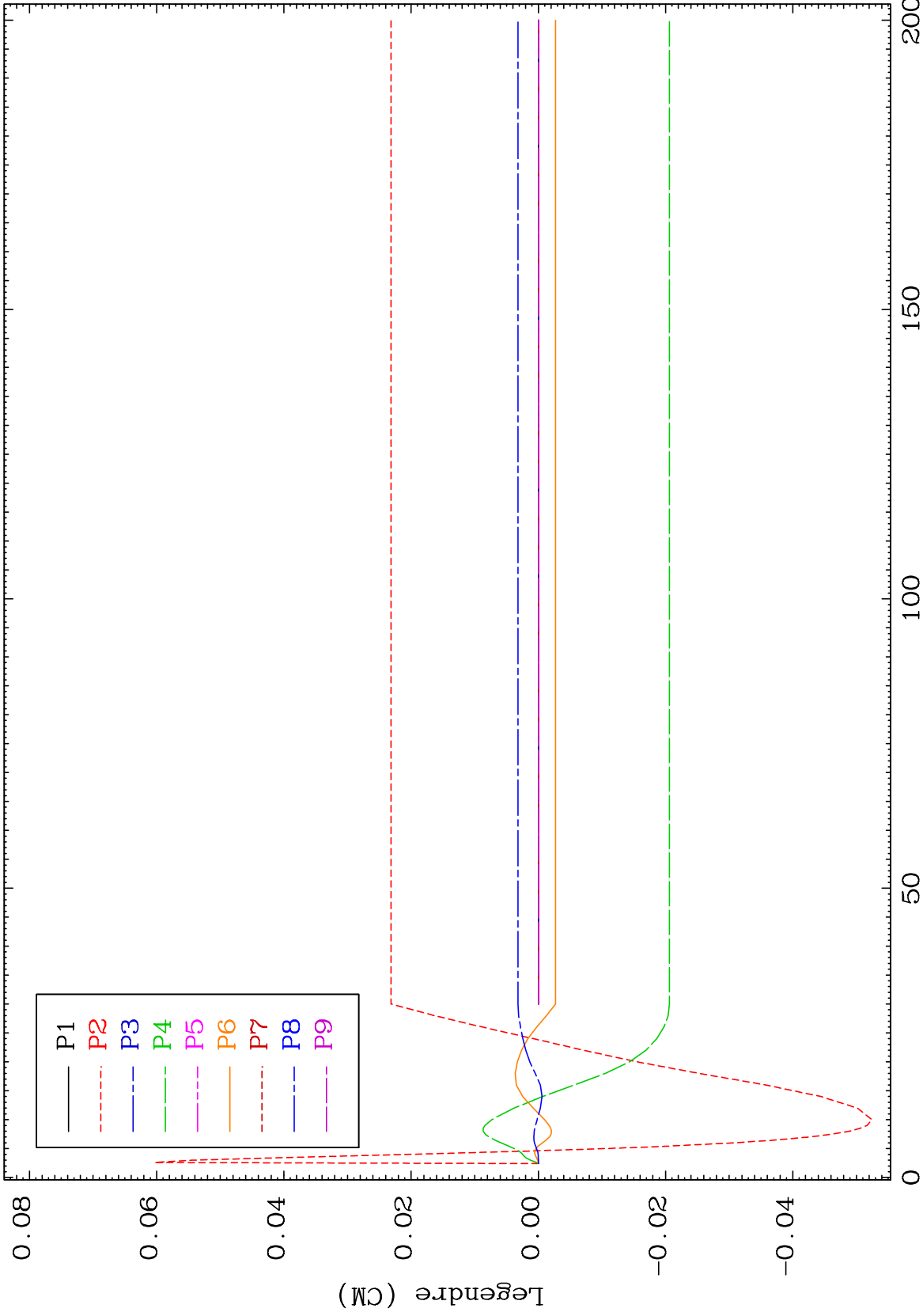
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



54-Xe-138

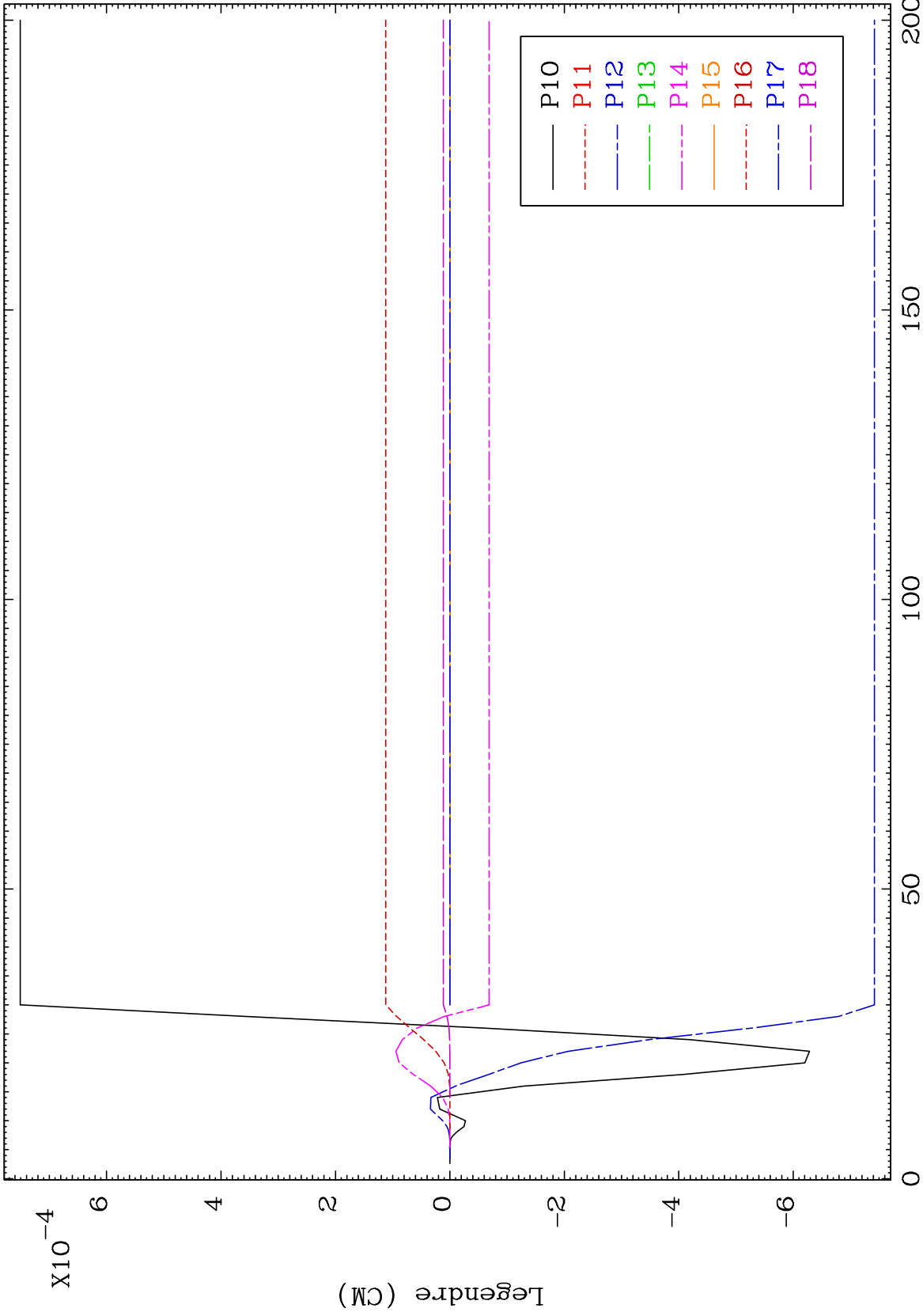
Incident Energy (MeV)

80

MAT 5467

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

54-Xe-138



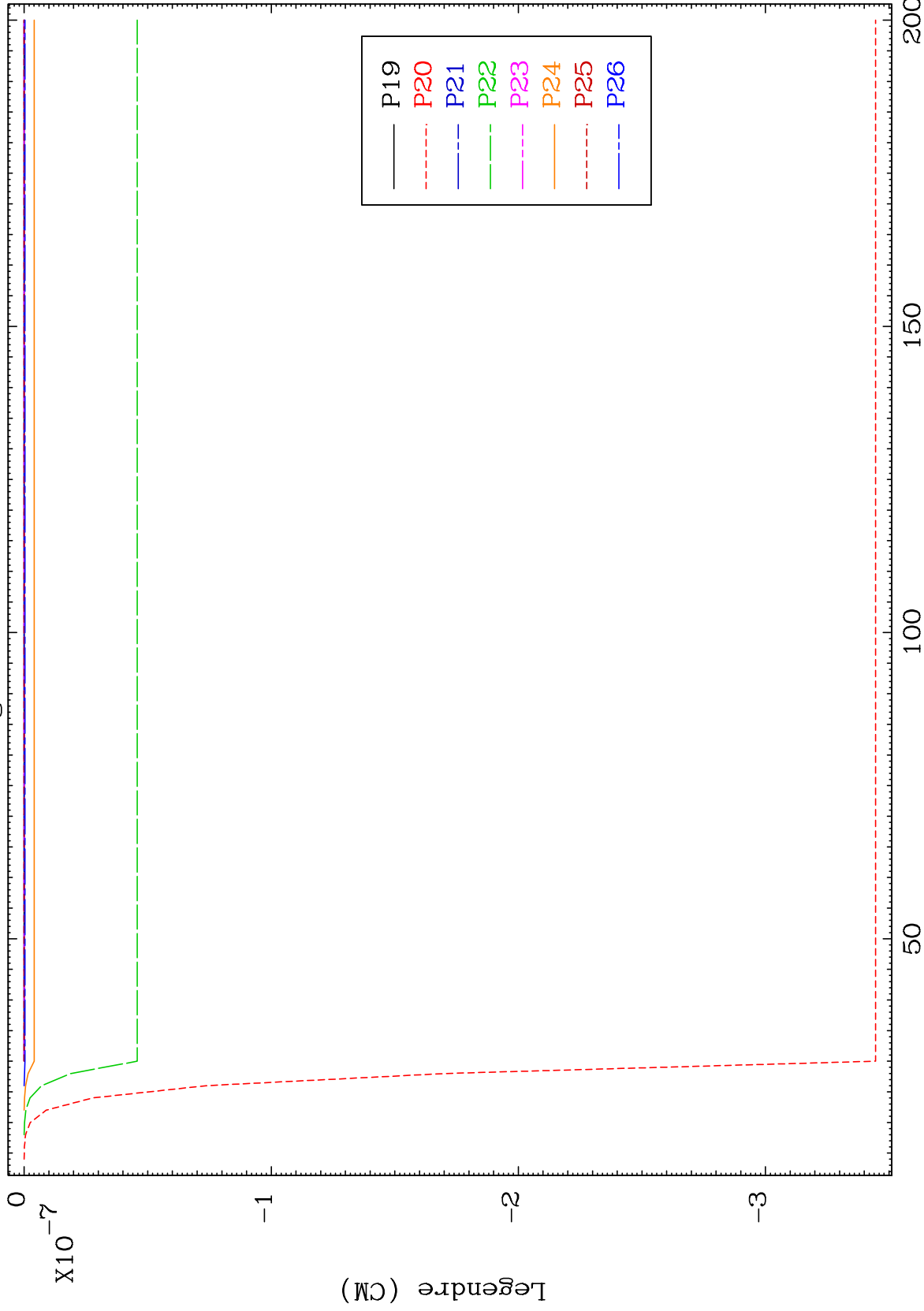
81

54-Xe-138

MAT 5467

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

54-Xe-138



82

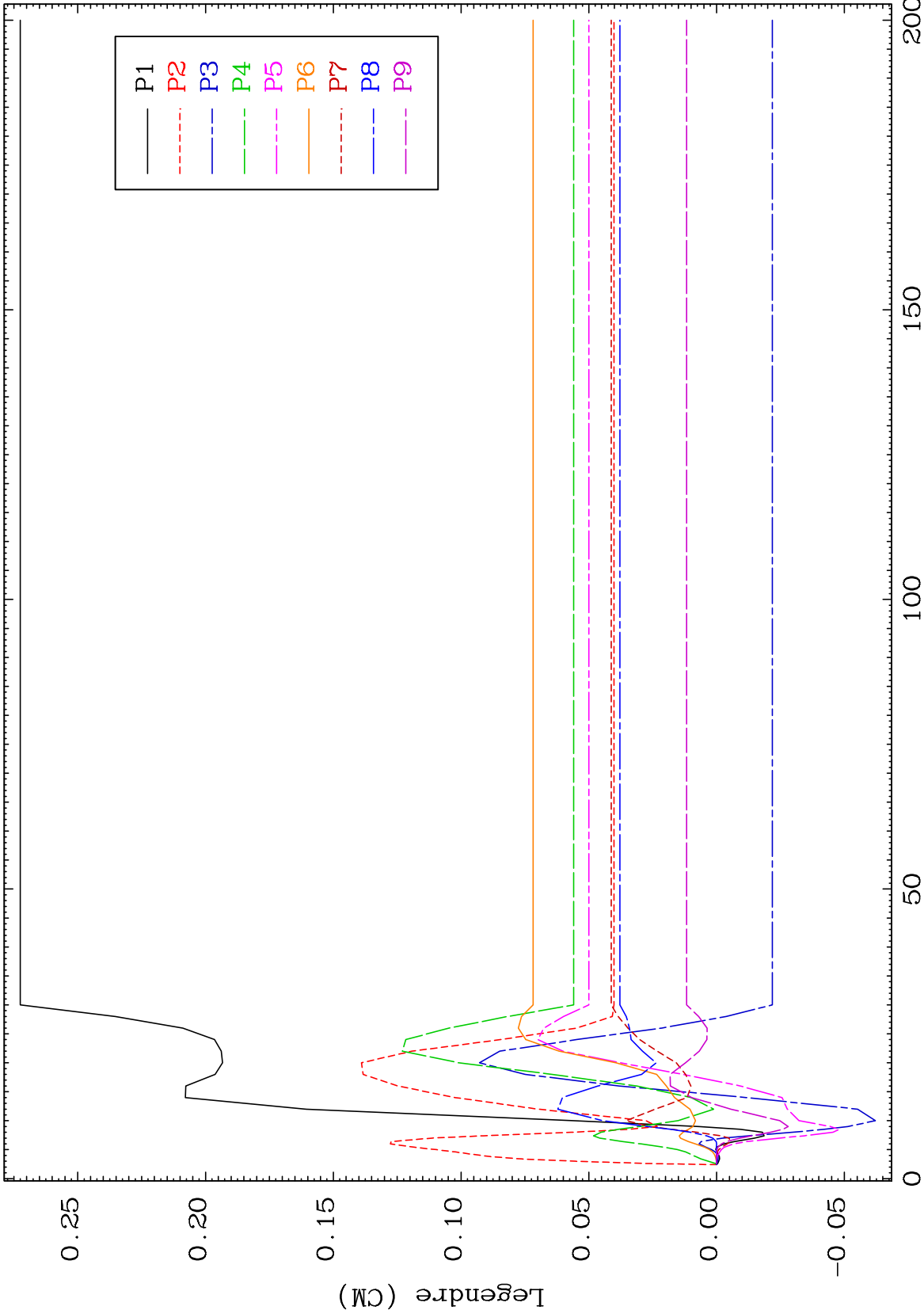
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



83

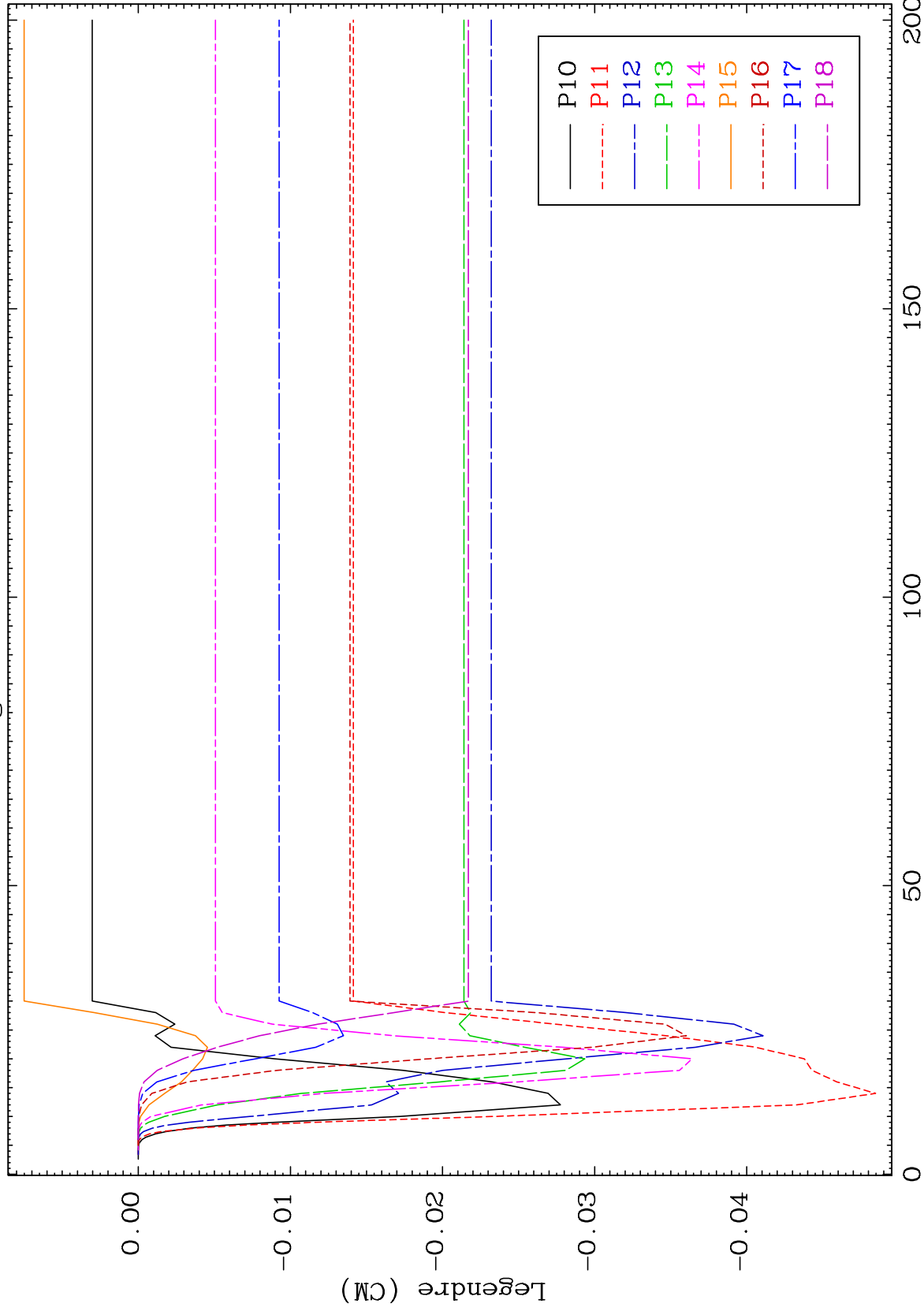
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138

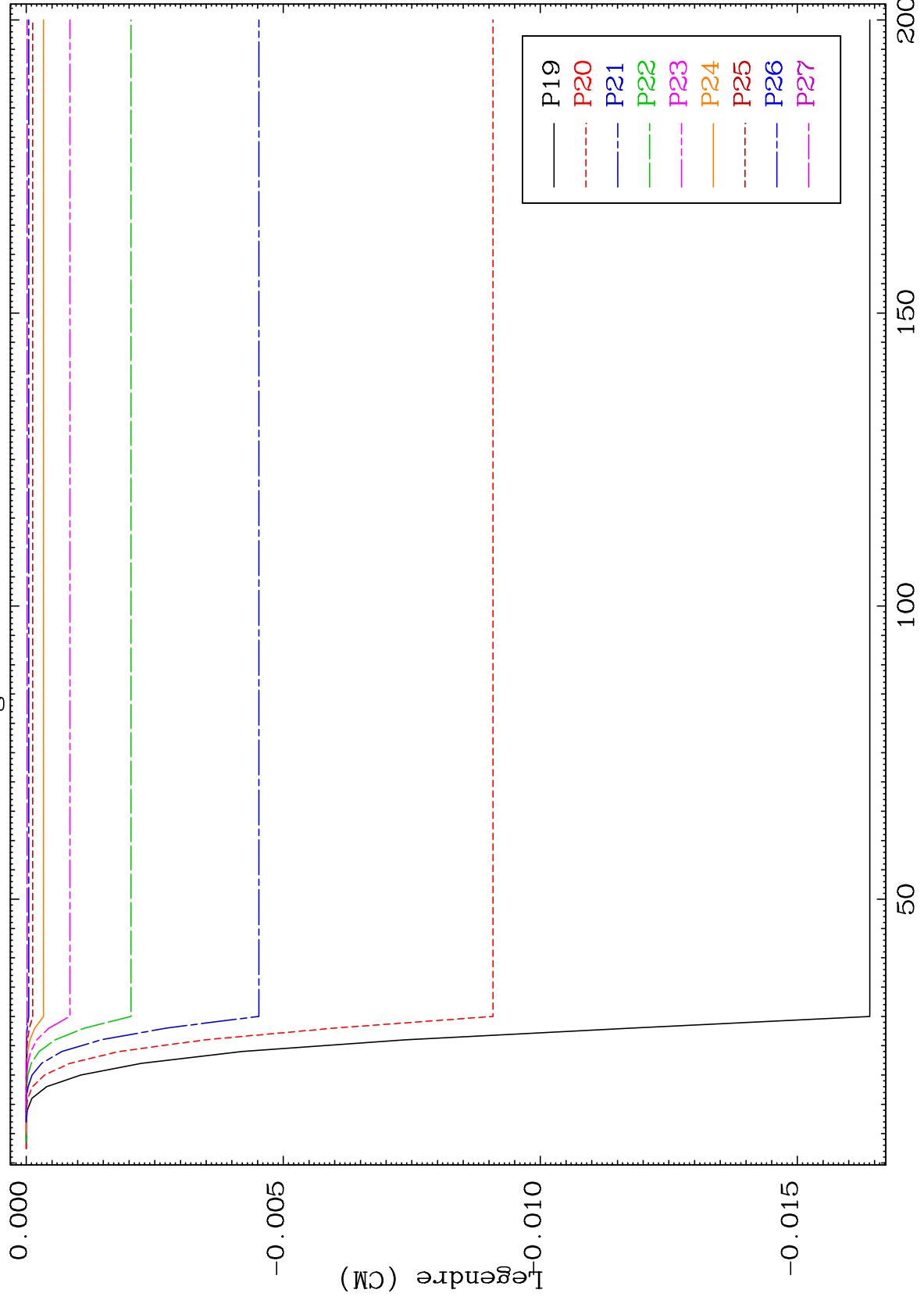


84

Incident Energy (MeV)

54-Xe-138

MAT 5467 MT= 68 (n,n') Level Legendre Coefficients 54-Xe-138

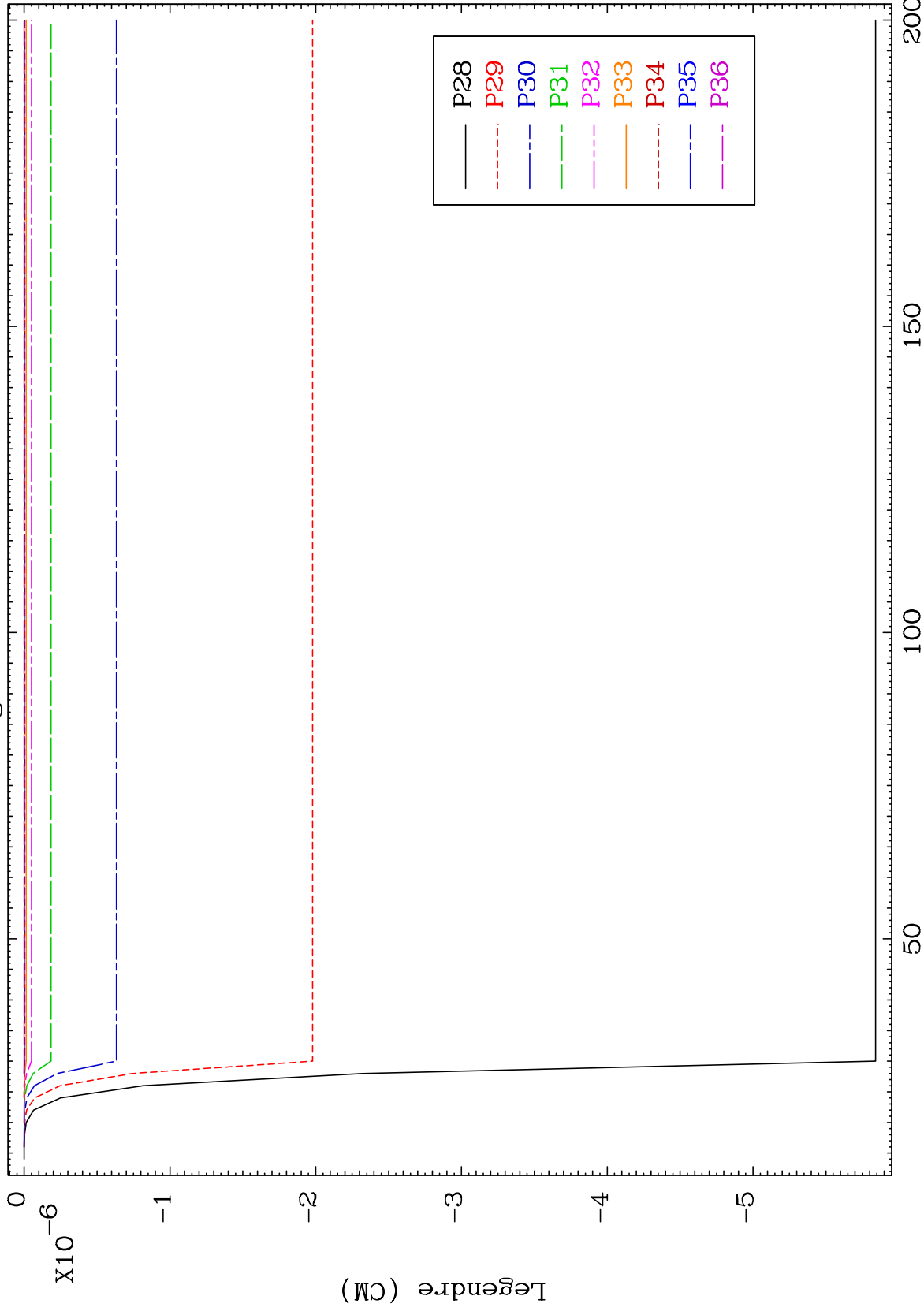


85 54-Xe-138

MAT 5467

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

54-Xe-138



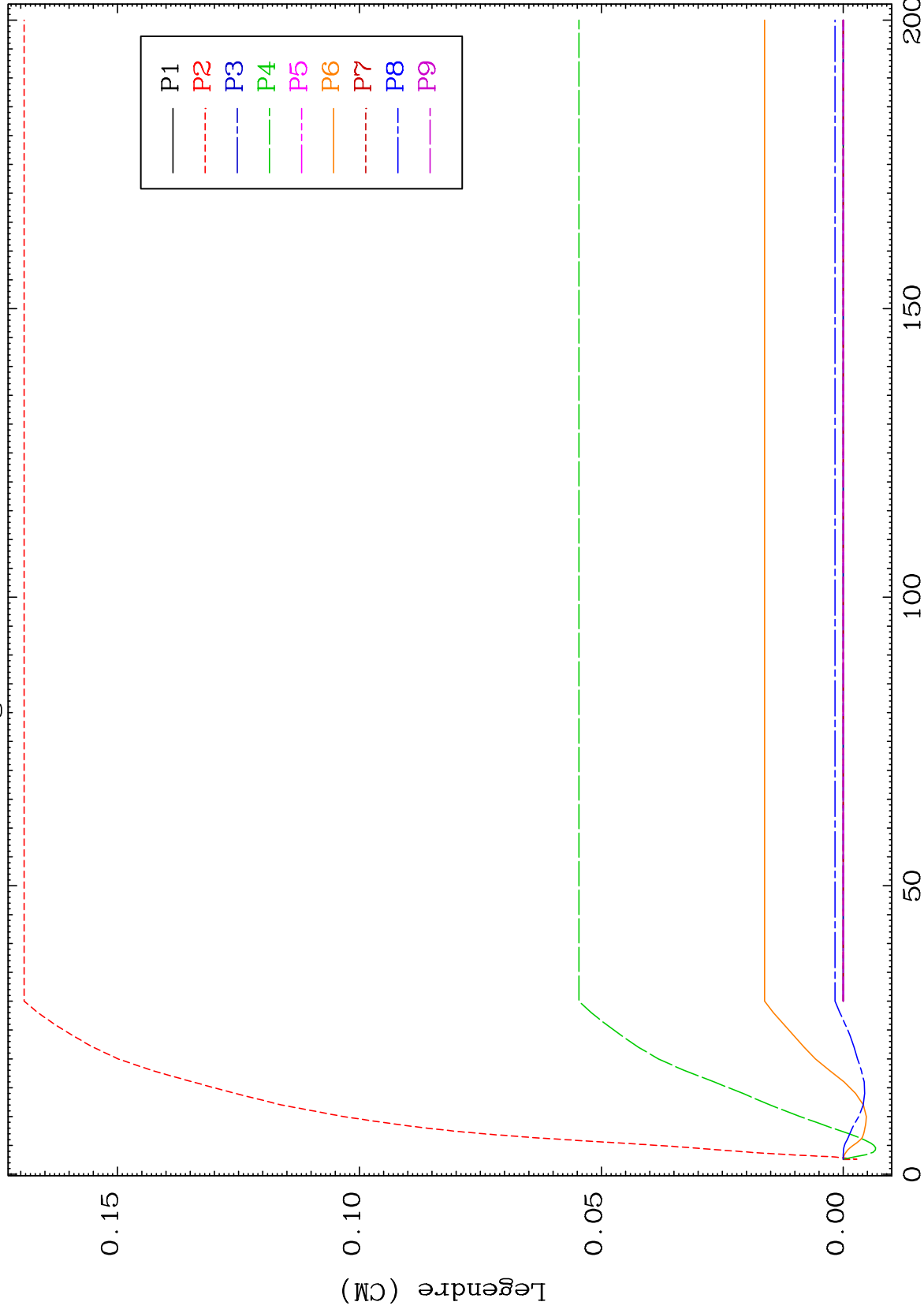
86

54-Xe-138

MAT 5467

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

54-Xe-138



87

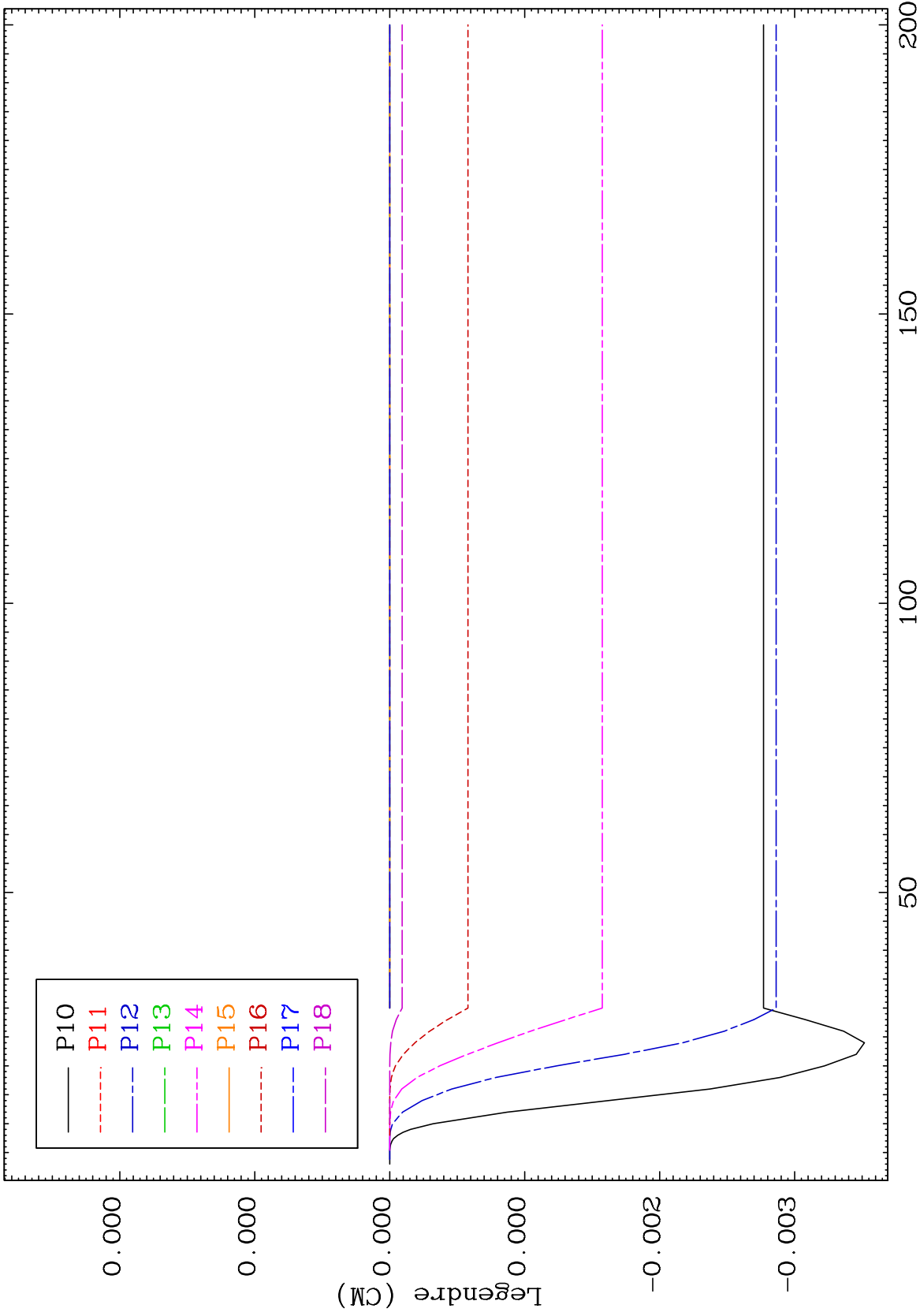
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



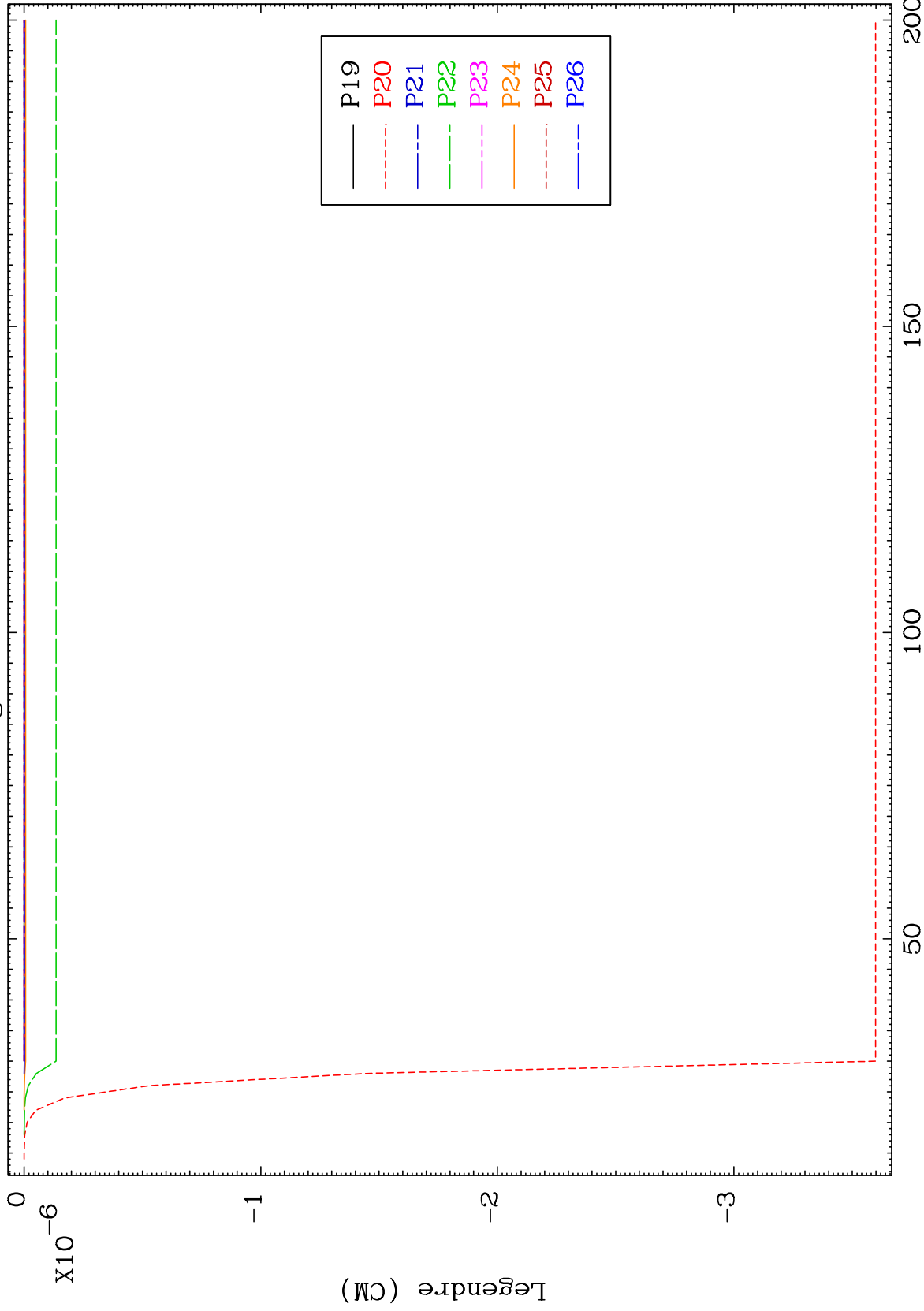
88

54-Xe-138

MAT 5467

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

54-Xe-138



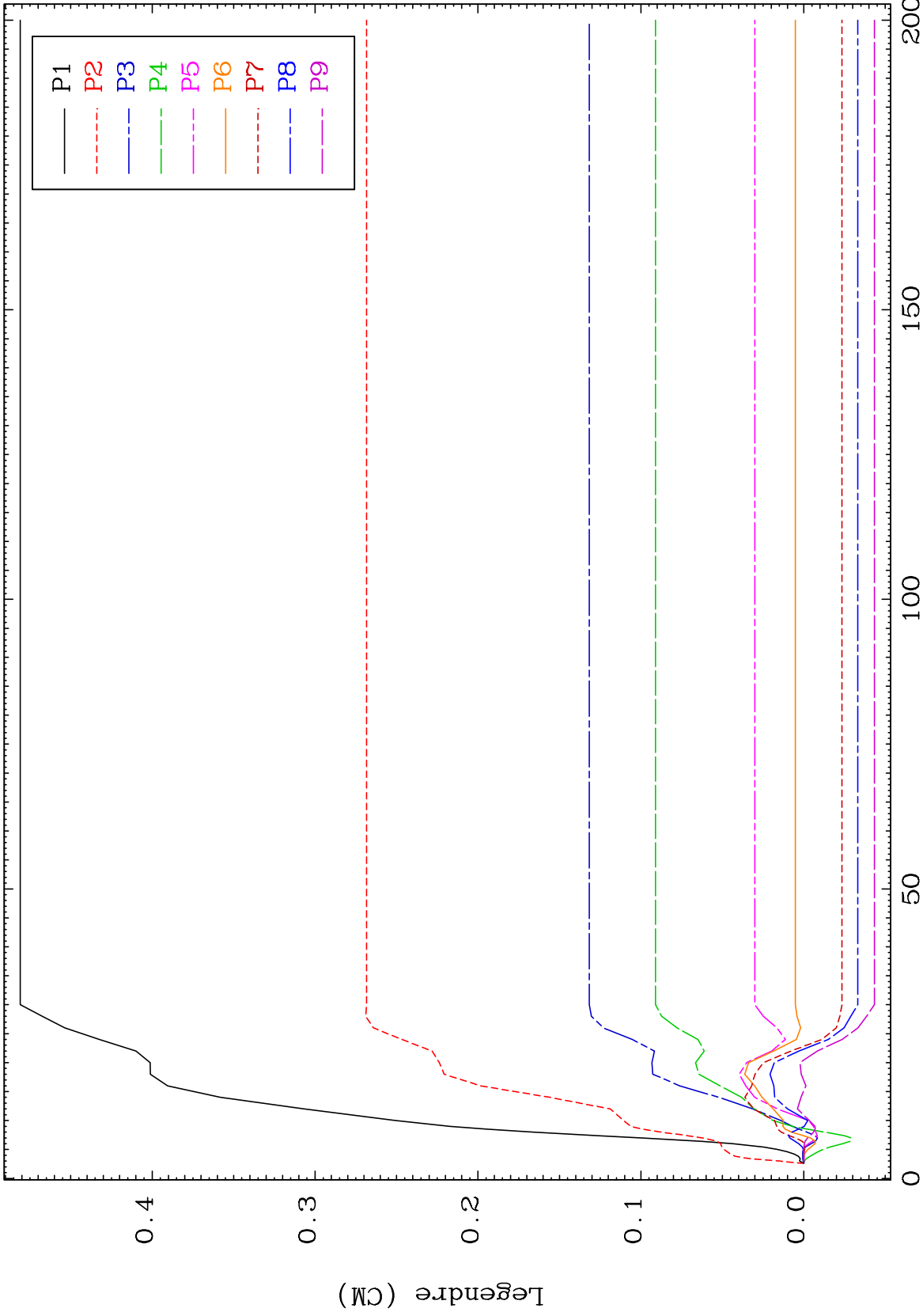
89

54-Xe-138

MAT 5467

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

54-Xe-138



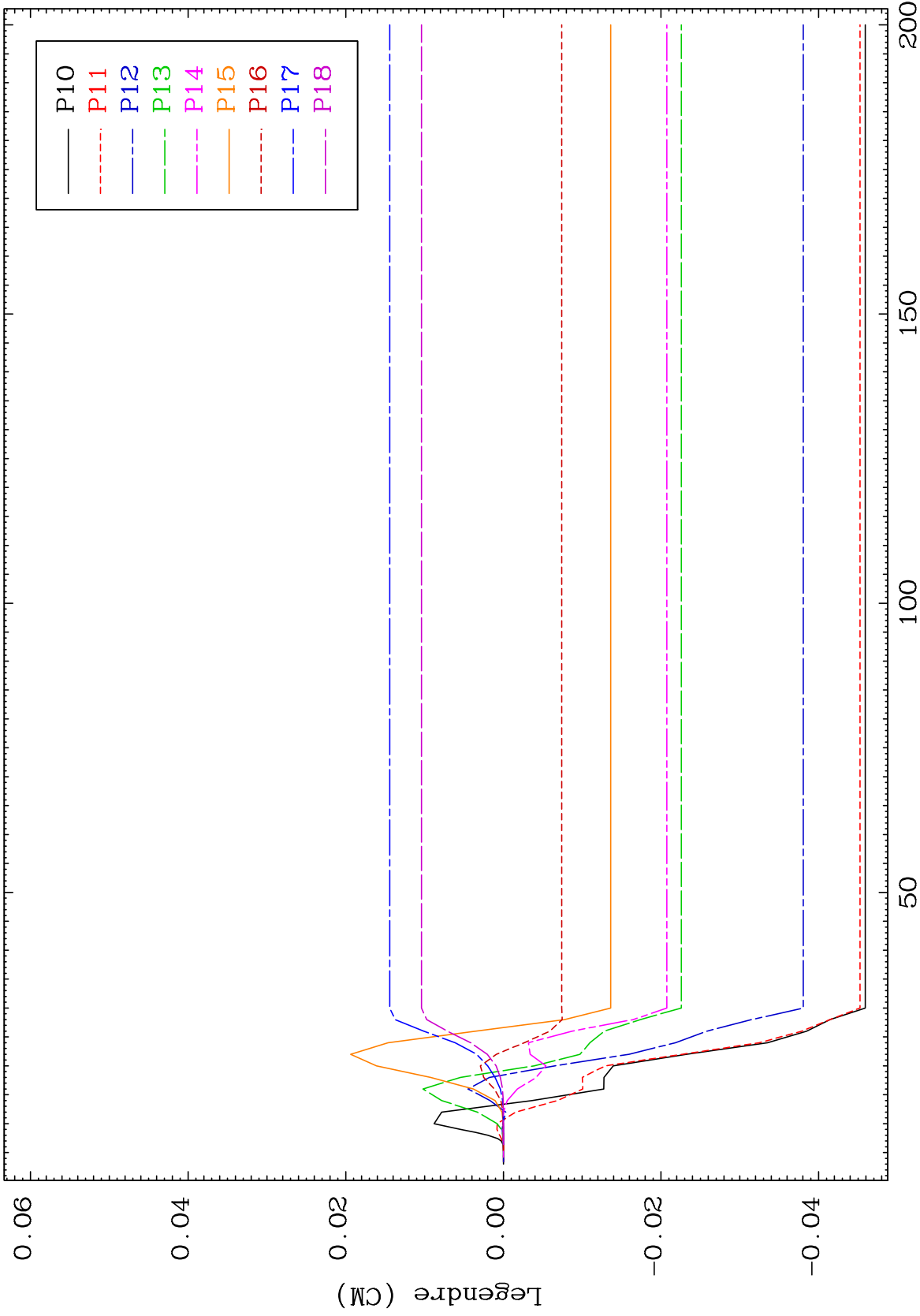
54-Xe-138

Incident Energy (MeV)

MAT 5467

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

54-Xe-138



91

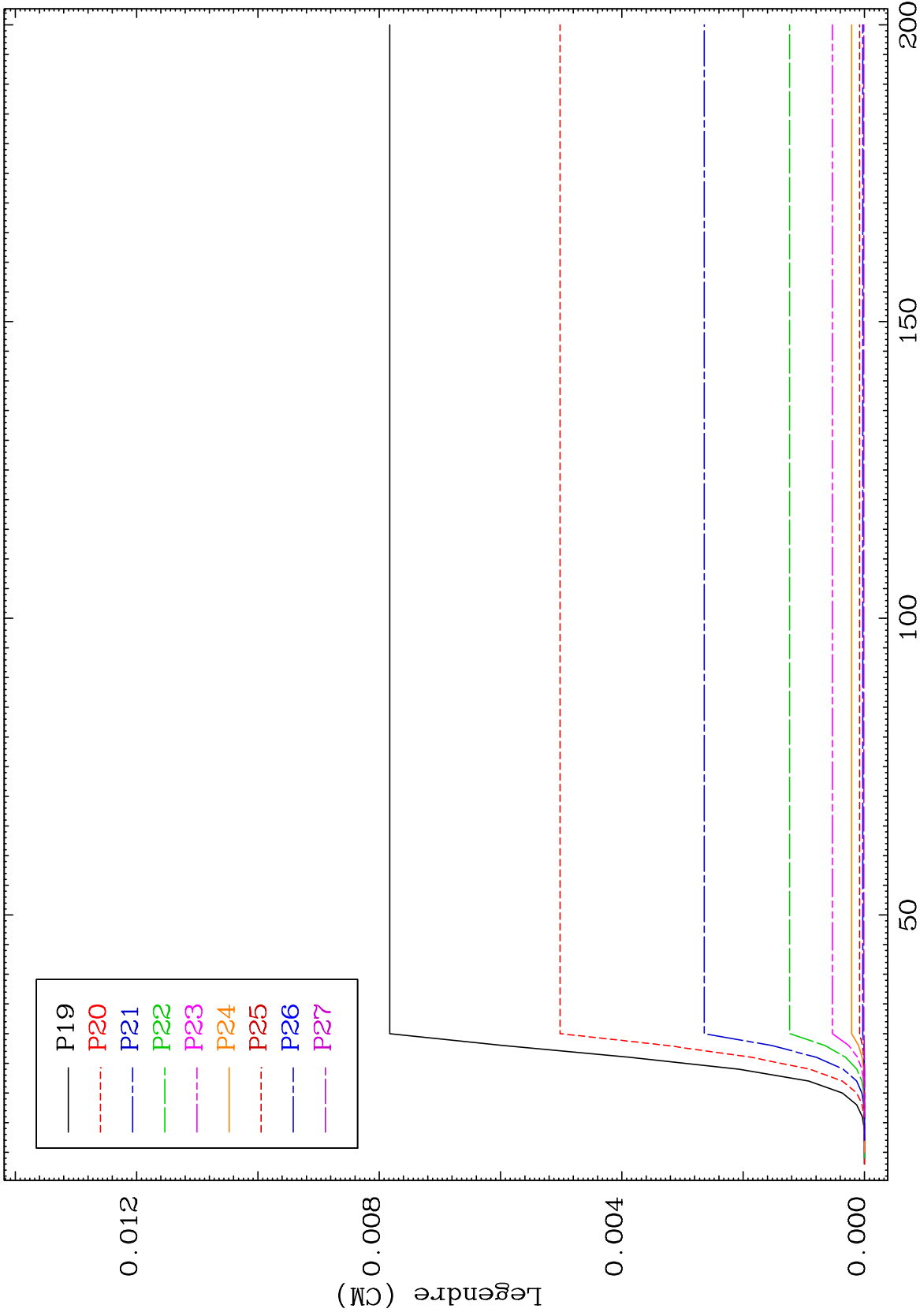
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



92

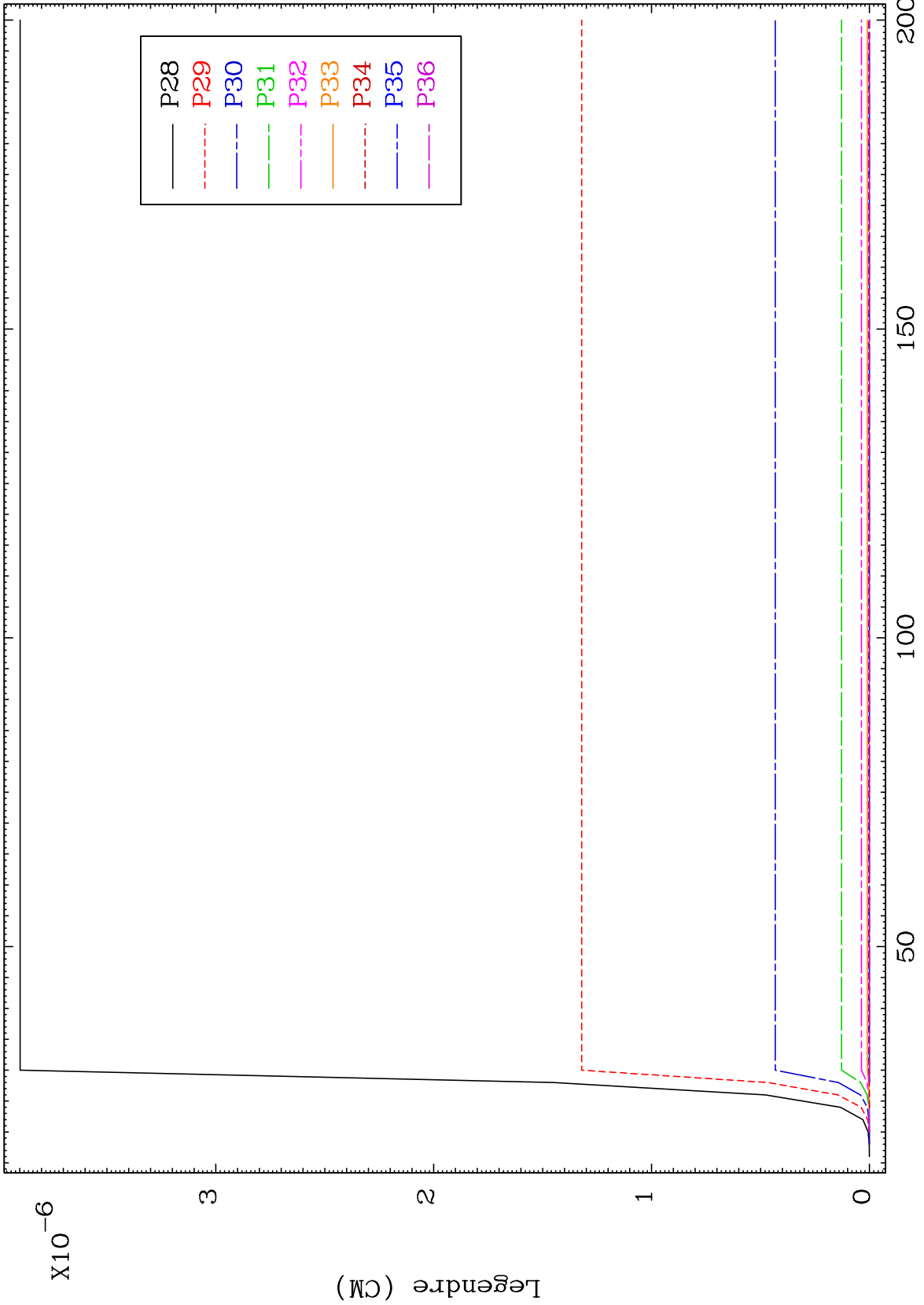
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



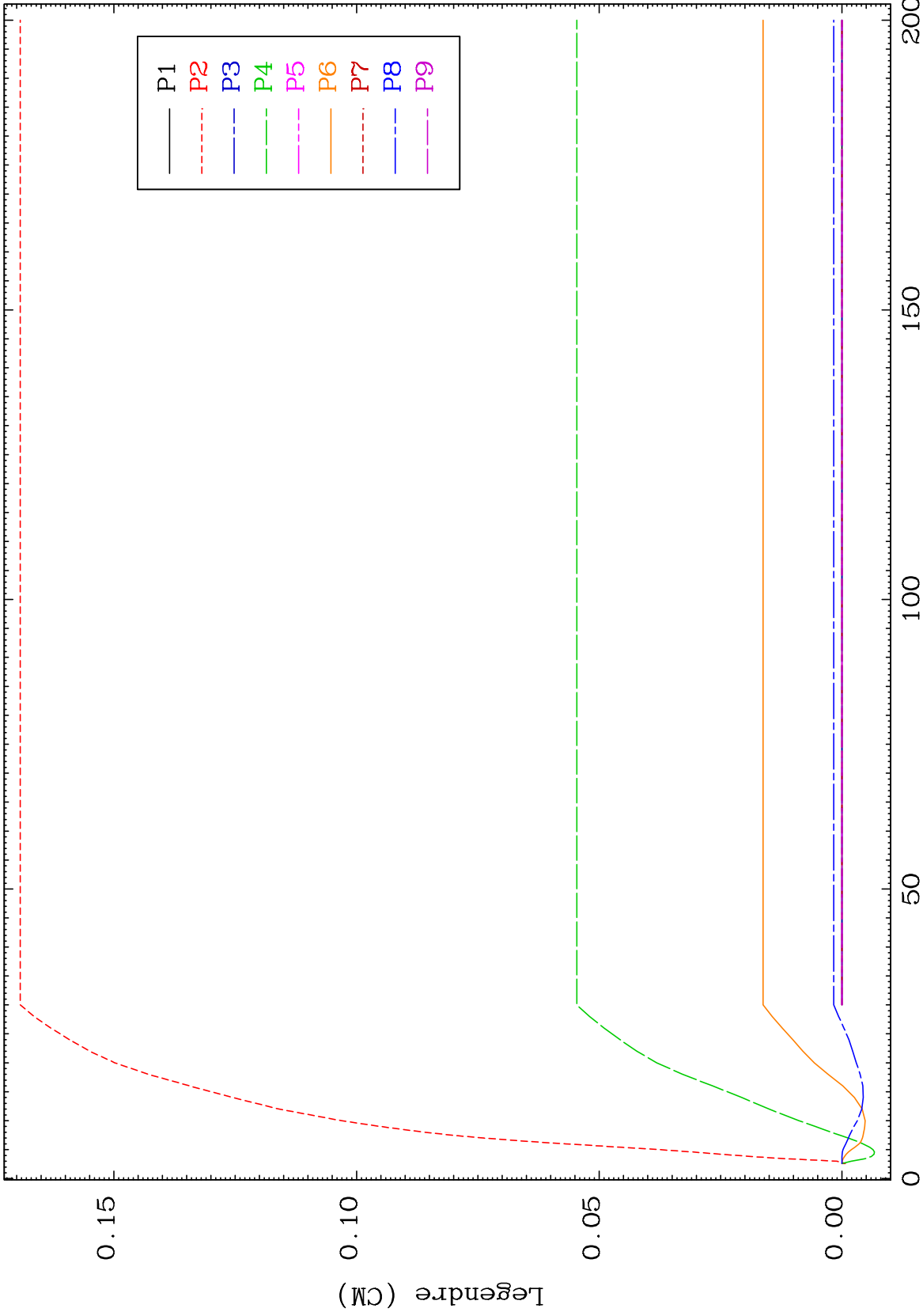
93

54-Xe-138

MAT 5467

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

54-Xe-138



94

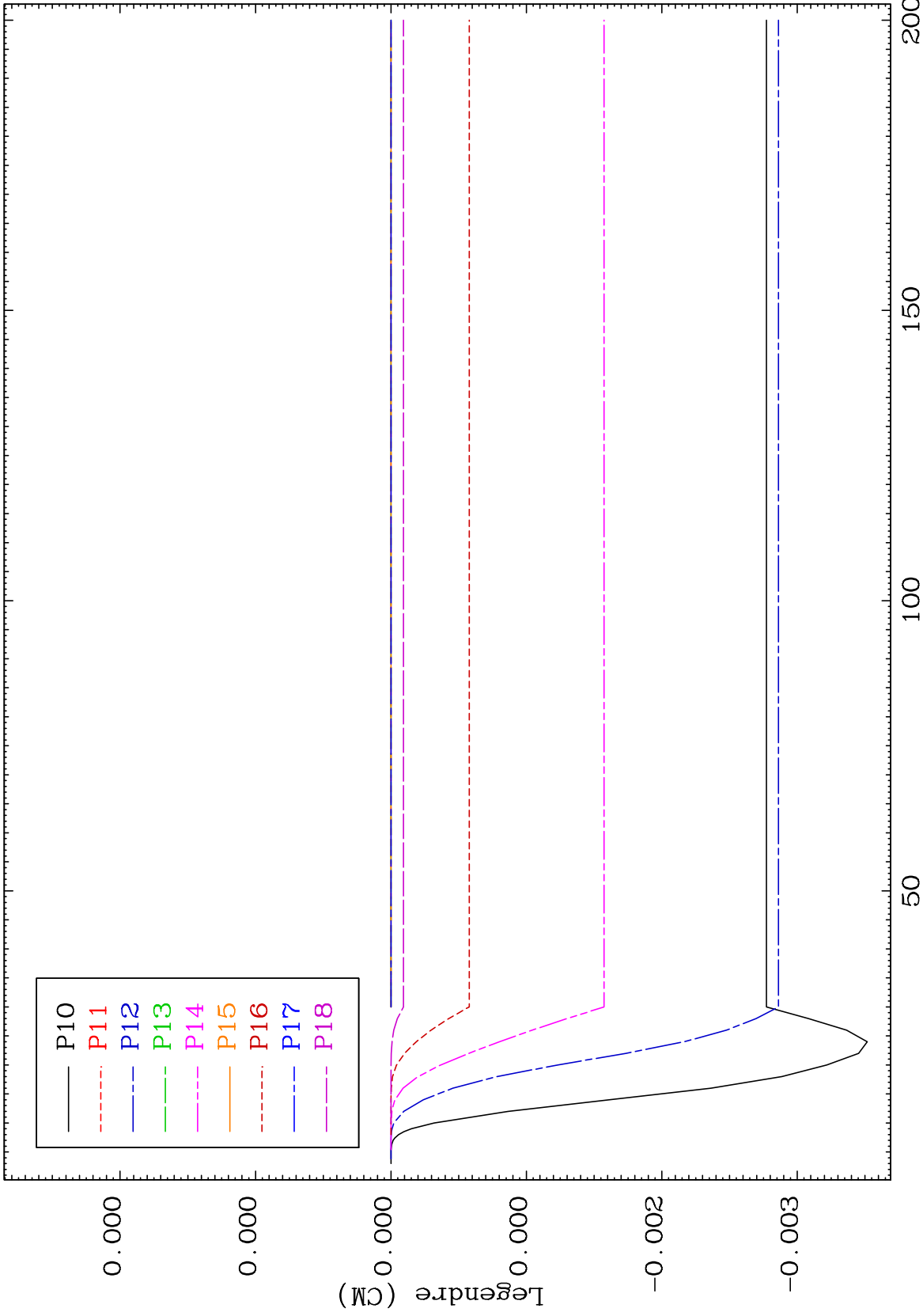
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



95

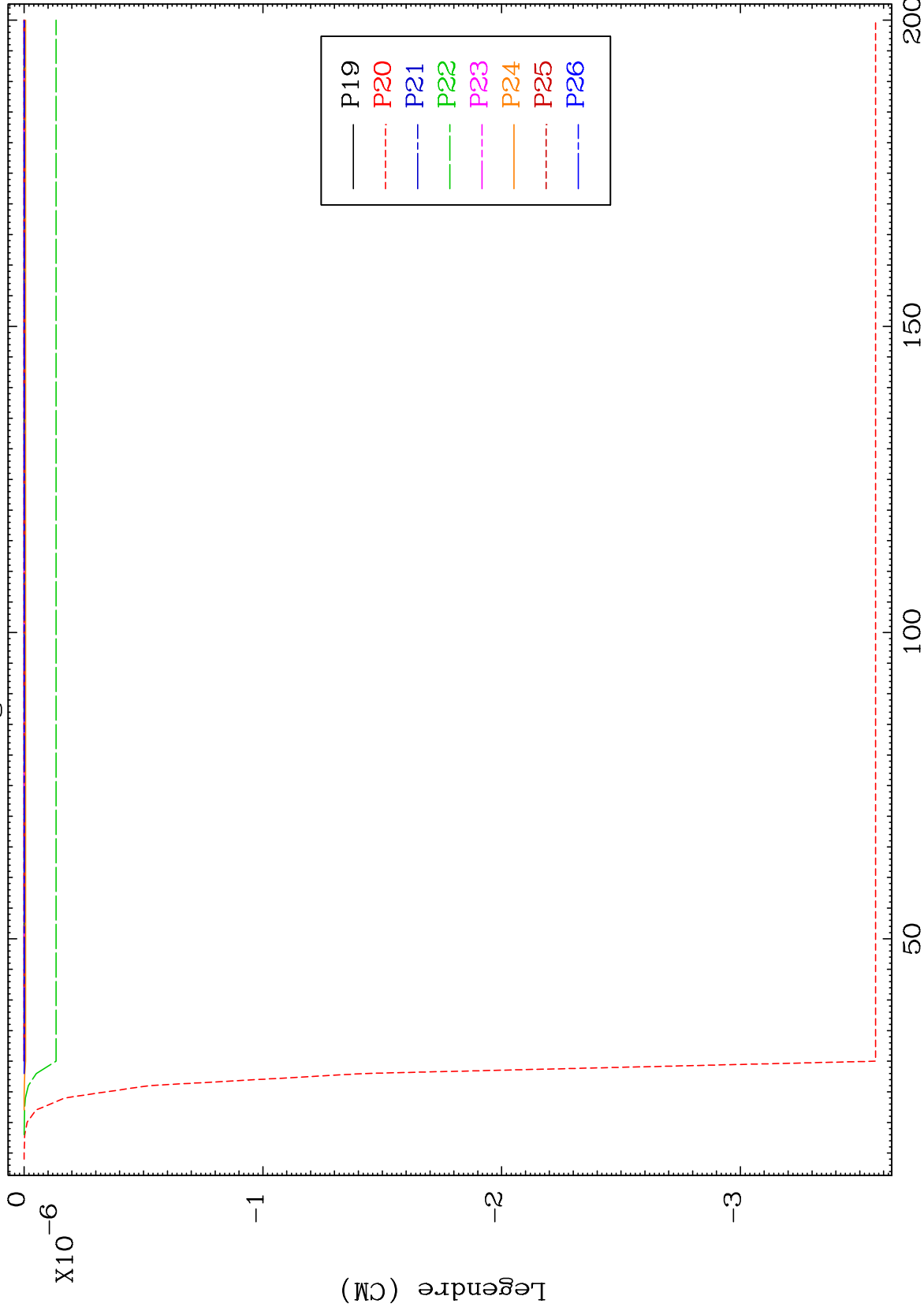
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



96

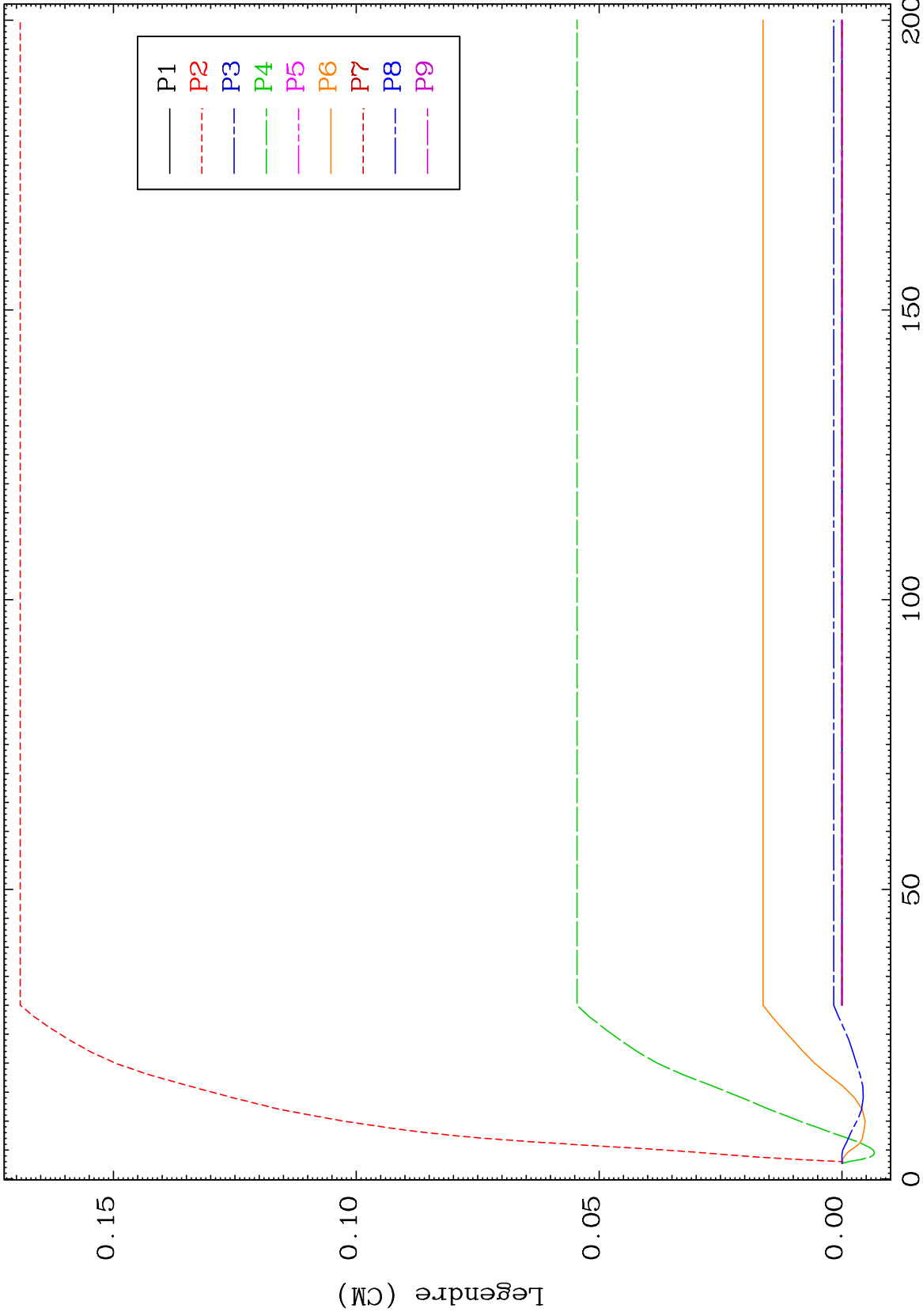
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



97

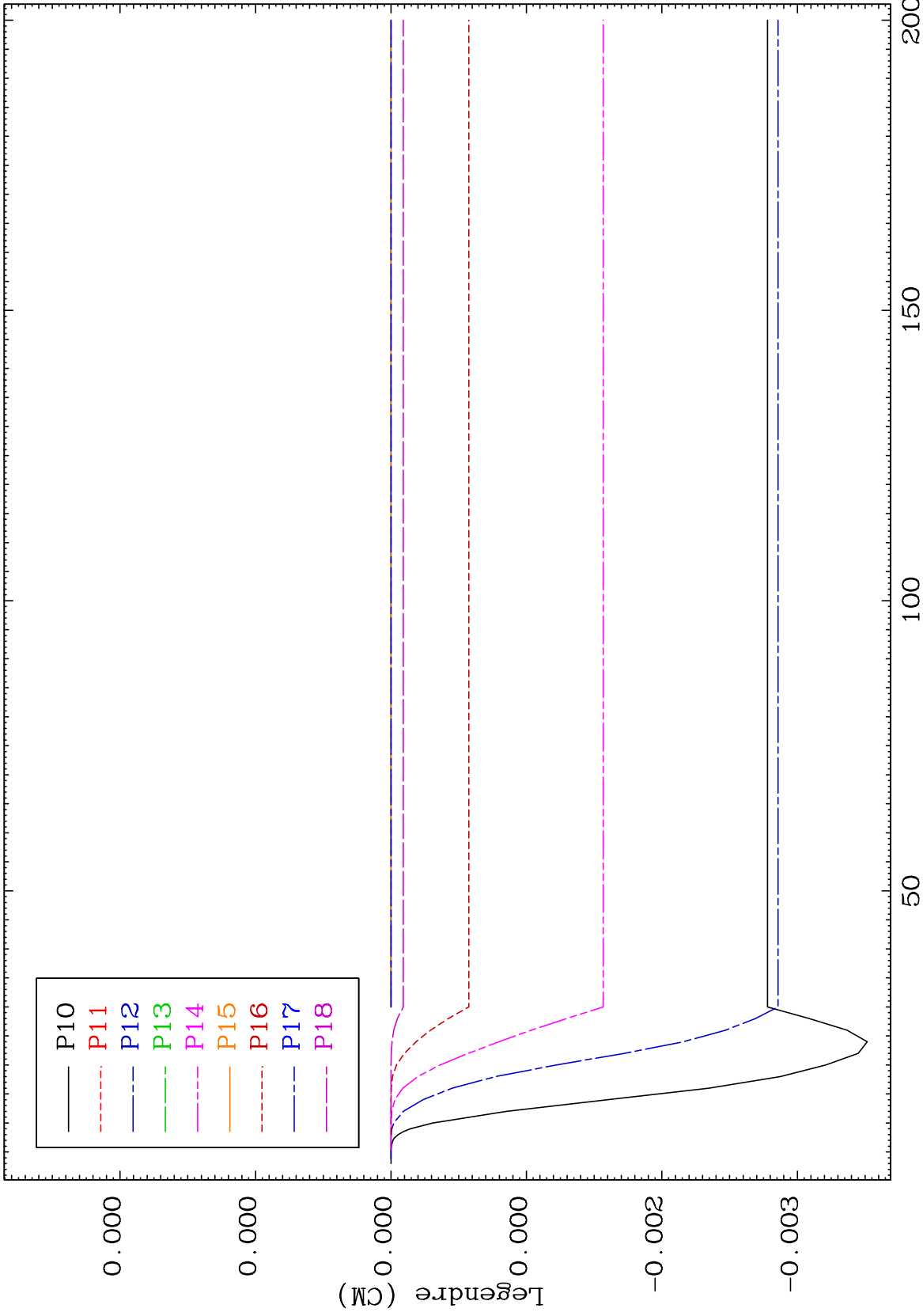
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



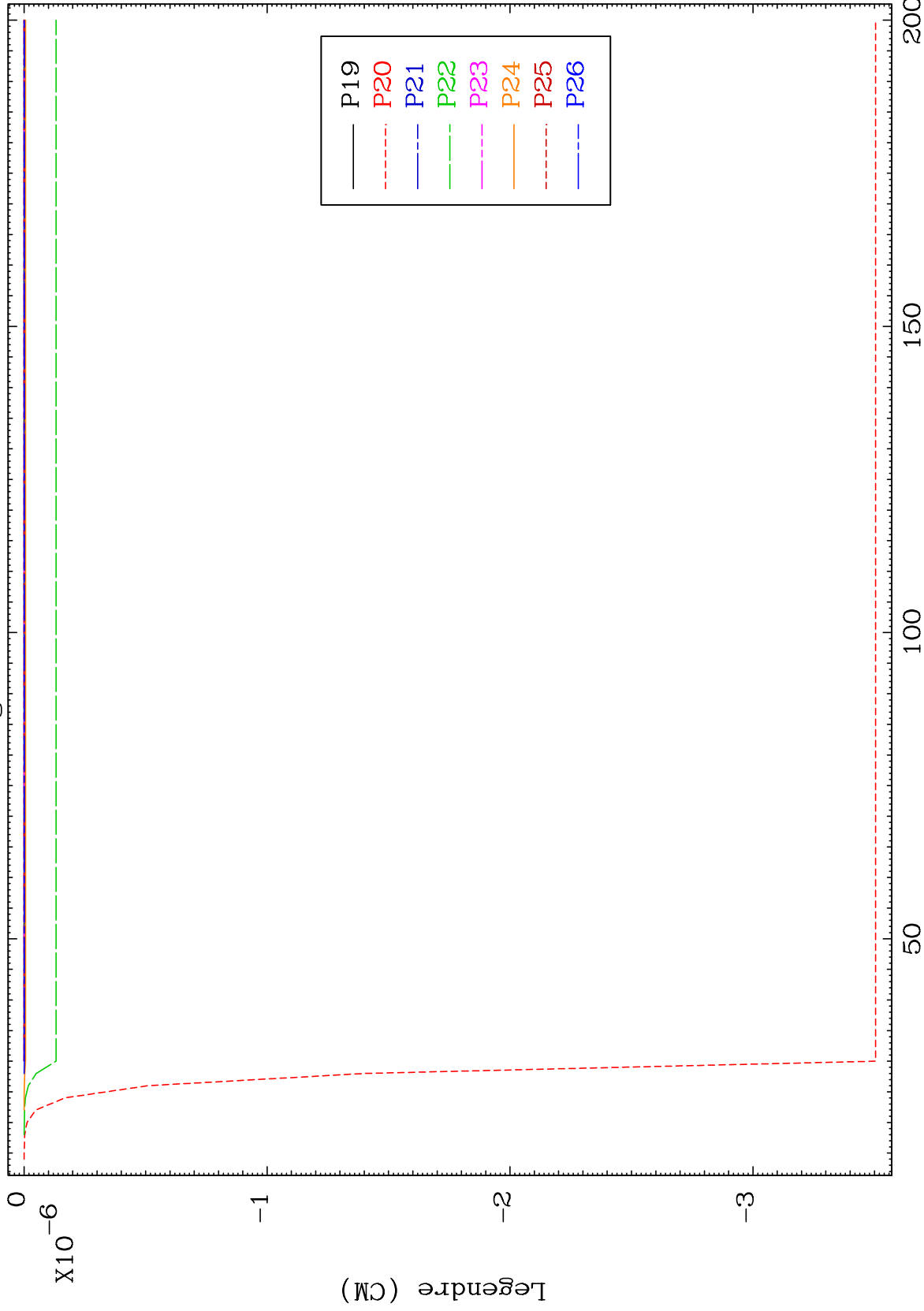
98

54-Xe-138

MAT 5467

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

54-Xe-138



99

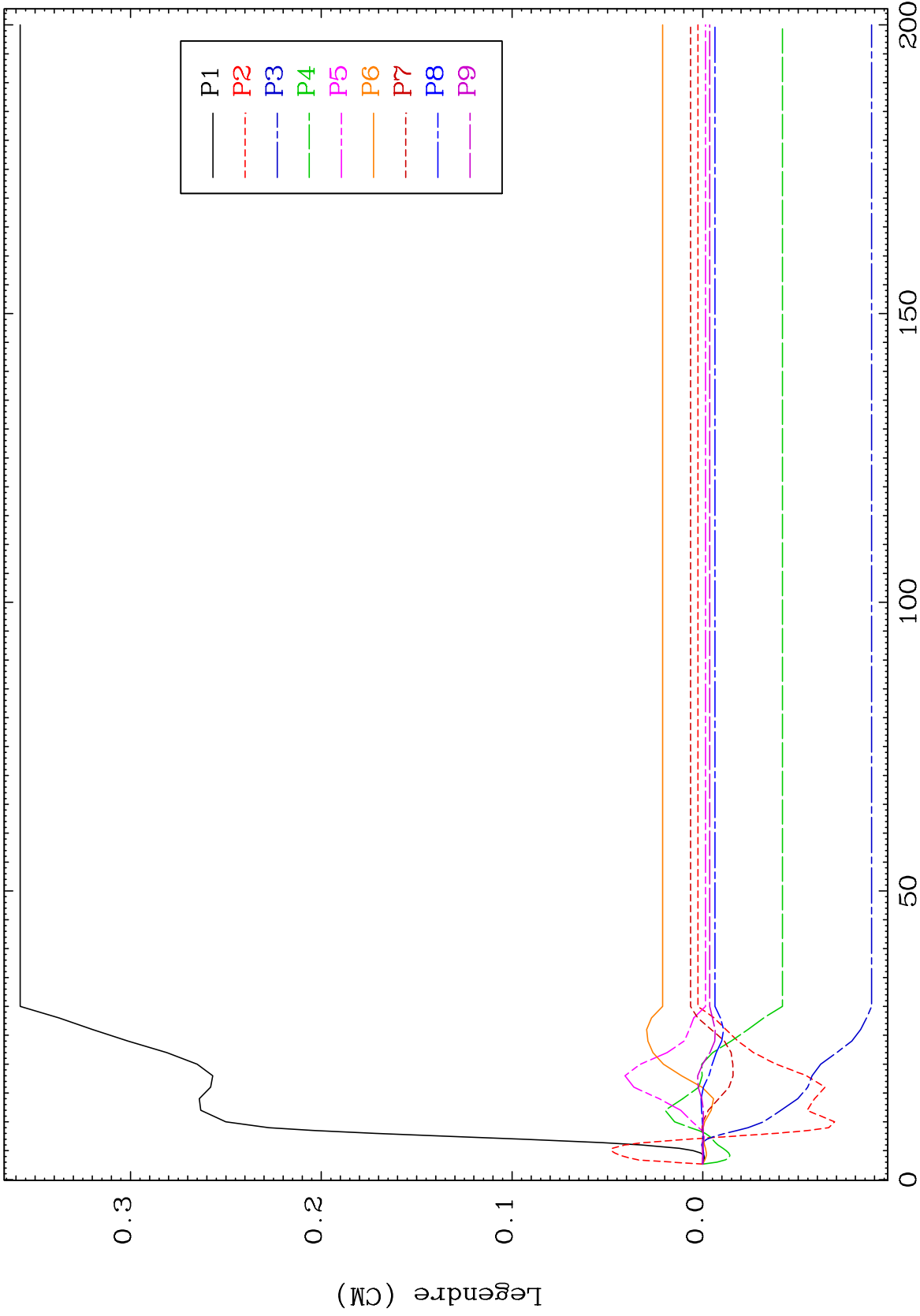
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



54-Xe-138

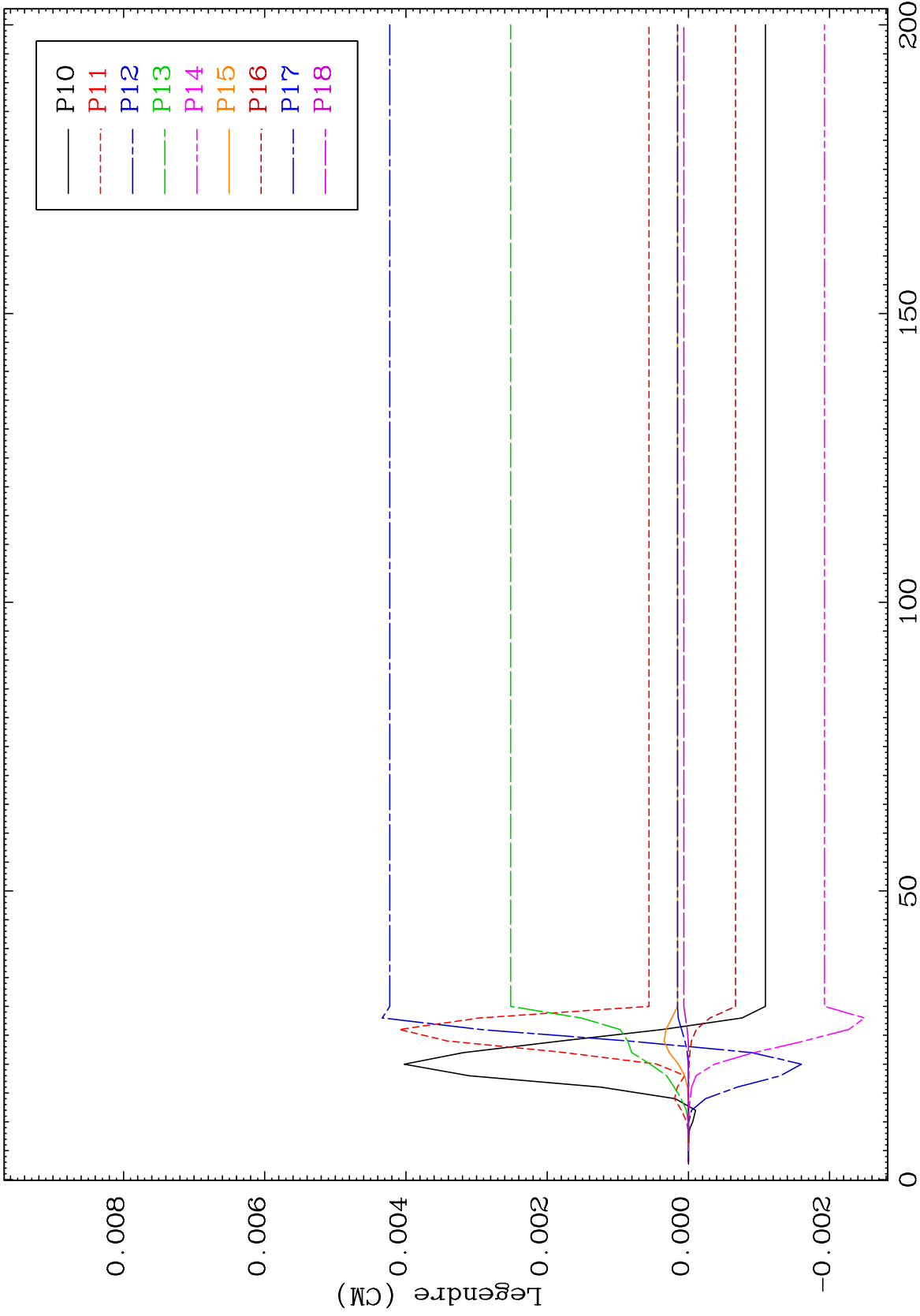
Incident Energy (MeV)

100

MAT 5467

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

54-Xe-138



101

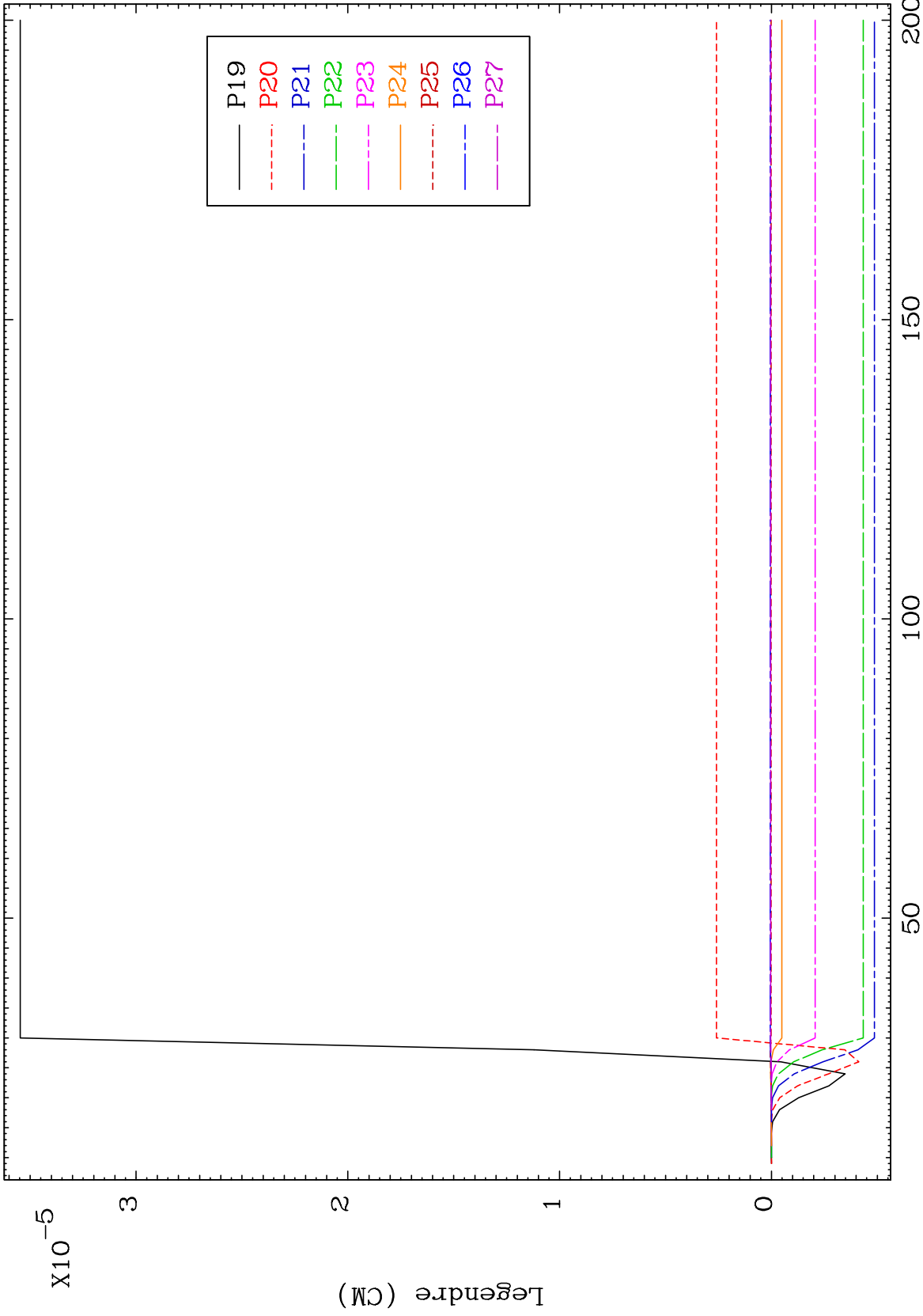
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



102

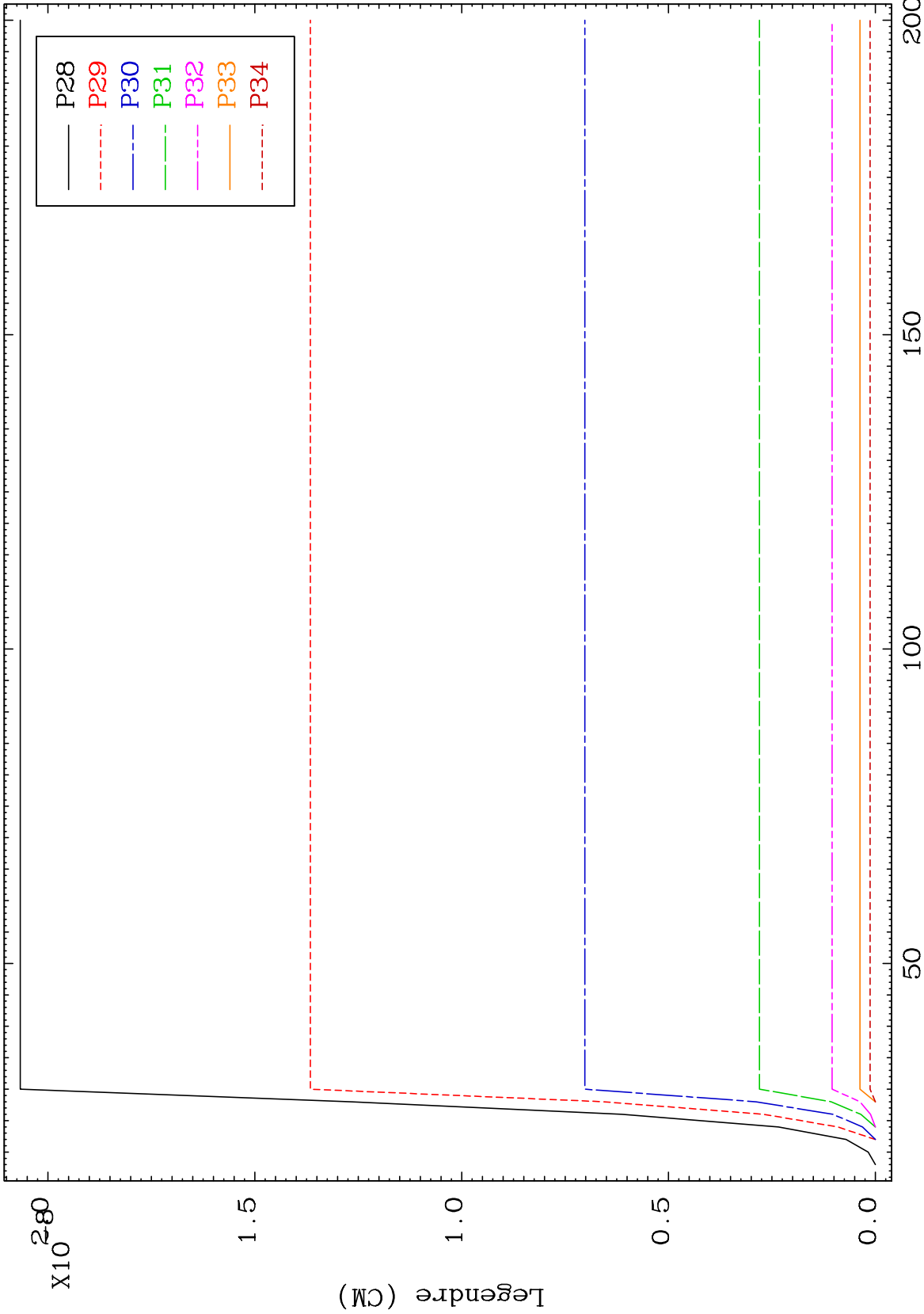
54-Xe-138

54-Xe-138

MAT 5467

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

54-Xe-138



103

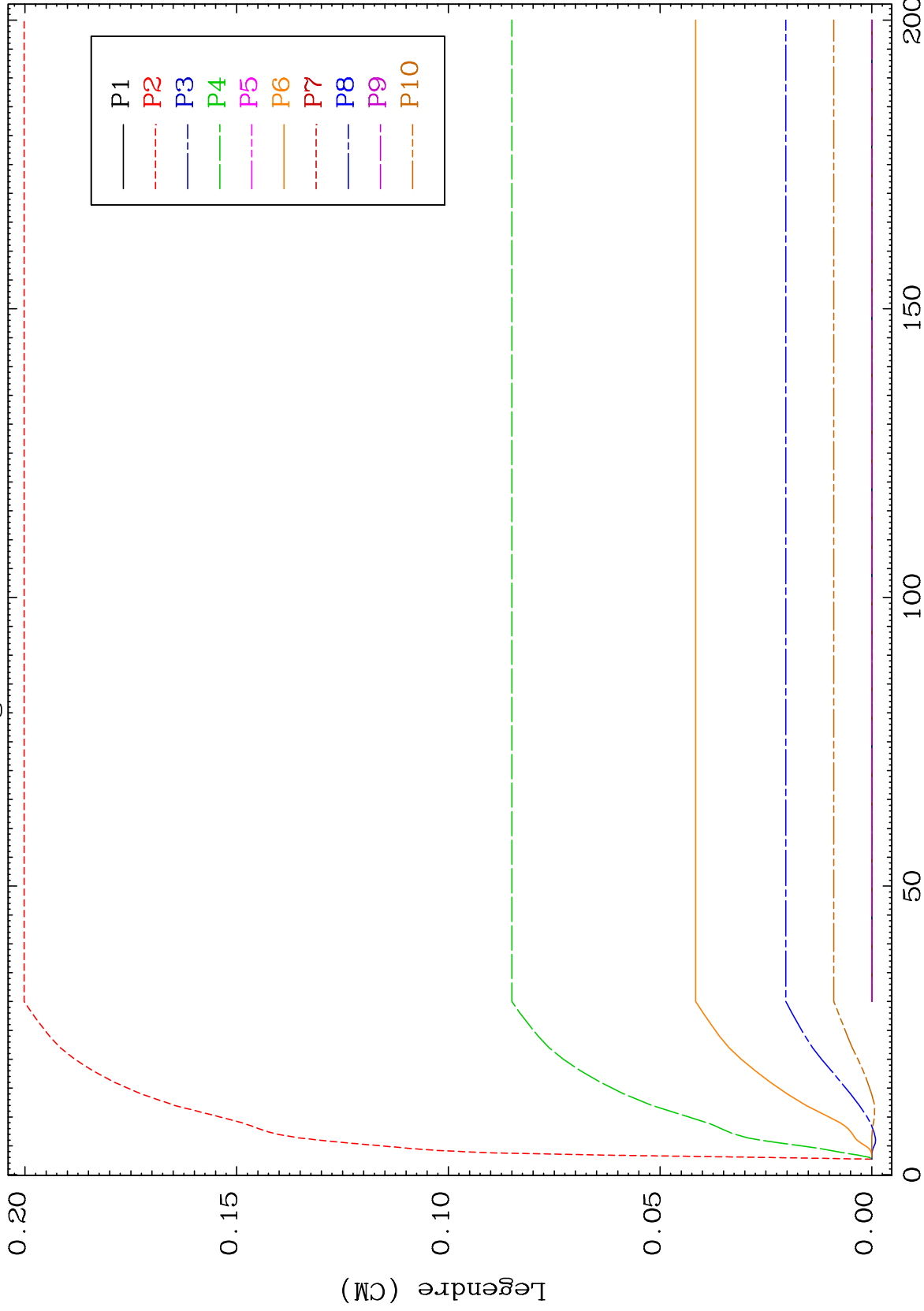
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



54-Xe-138

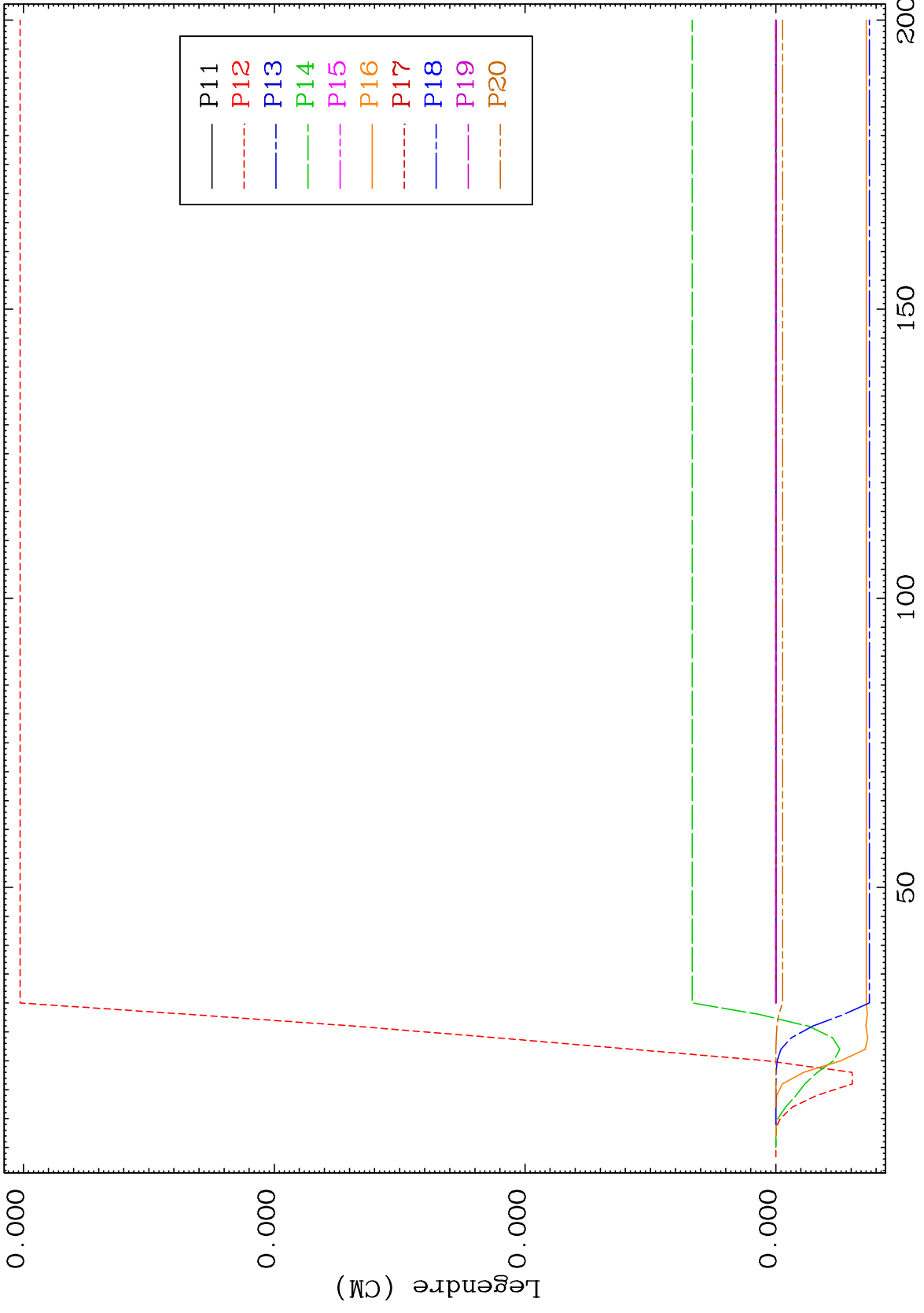
Incident Energy (MeV)

104

MAT 5467

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

54-Xe-138



54-Xe-138

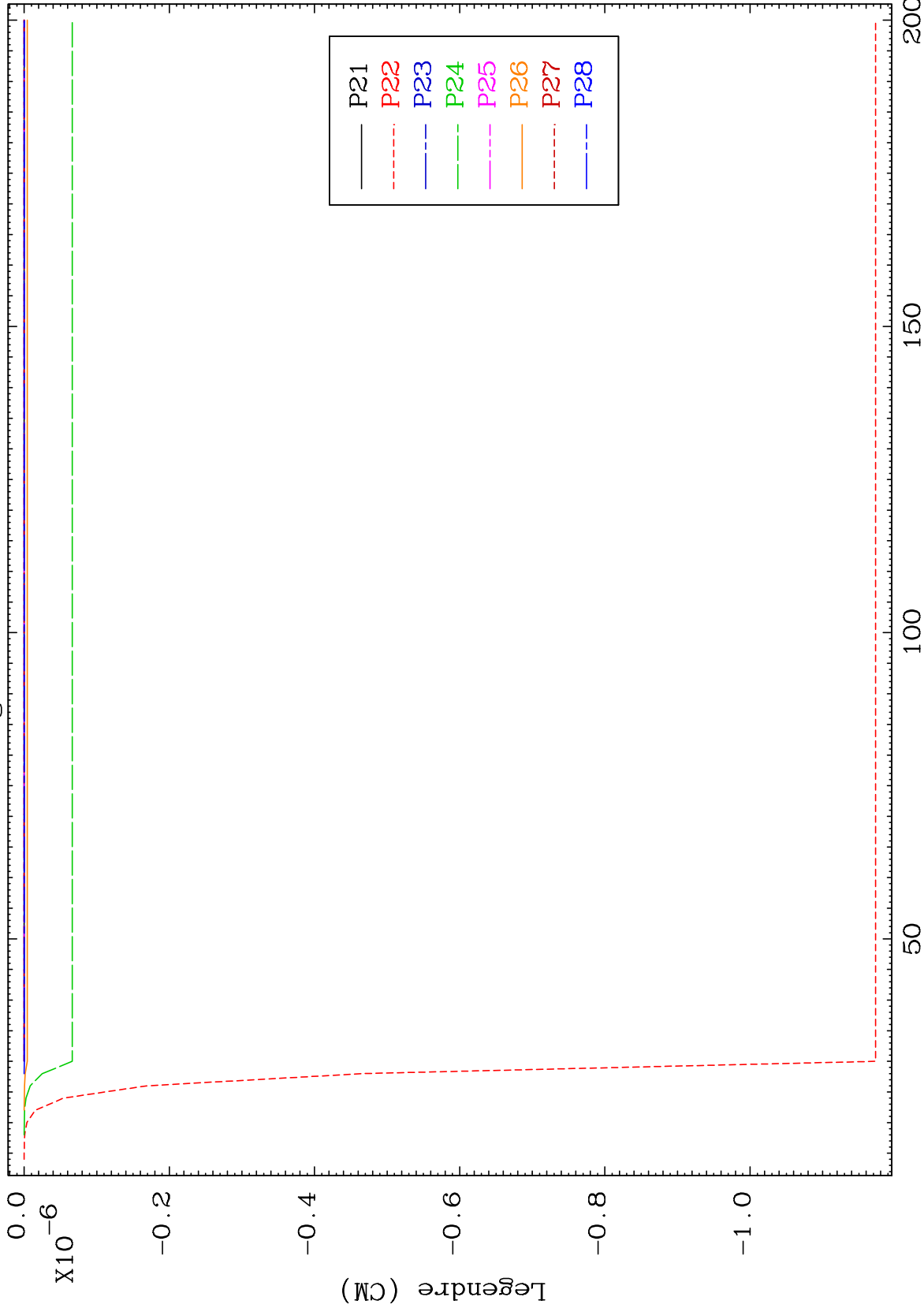
Incident Energy (MeV)

105

MAT 5467

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

54-Xe-138

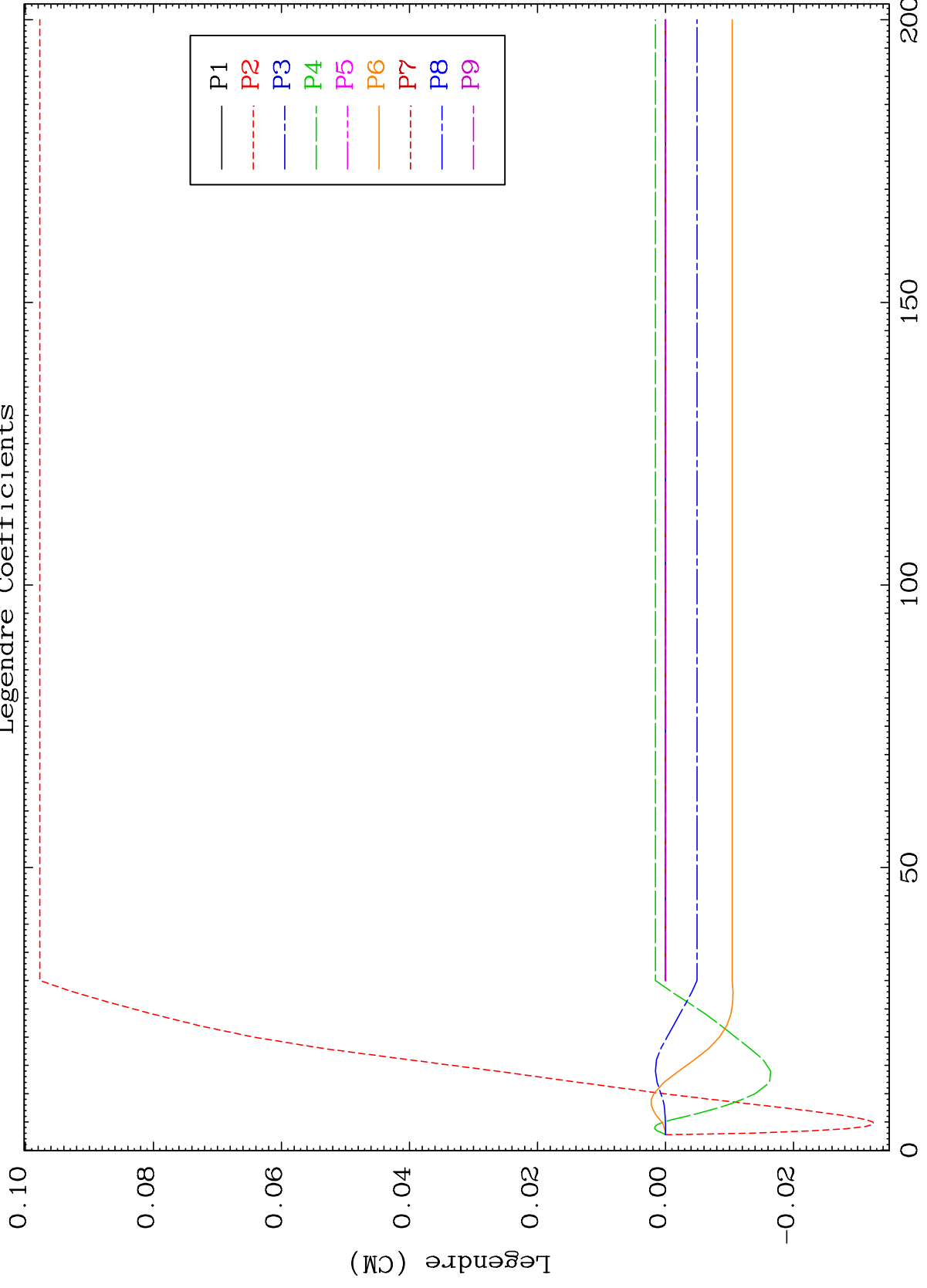


106

Incident Energy (MeV)

54-Xe-138

MAT 5467 MT= 75 (n,n') Level Legendre Coefficients 54-Xe-138

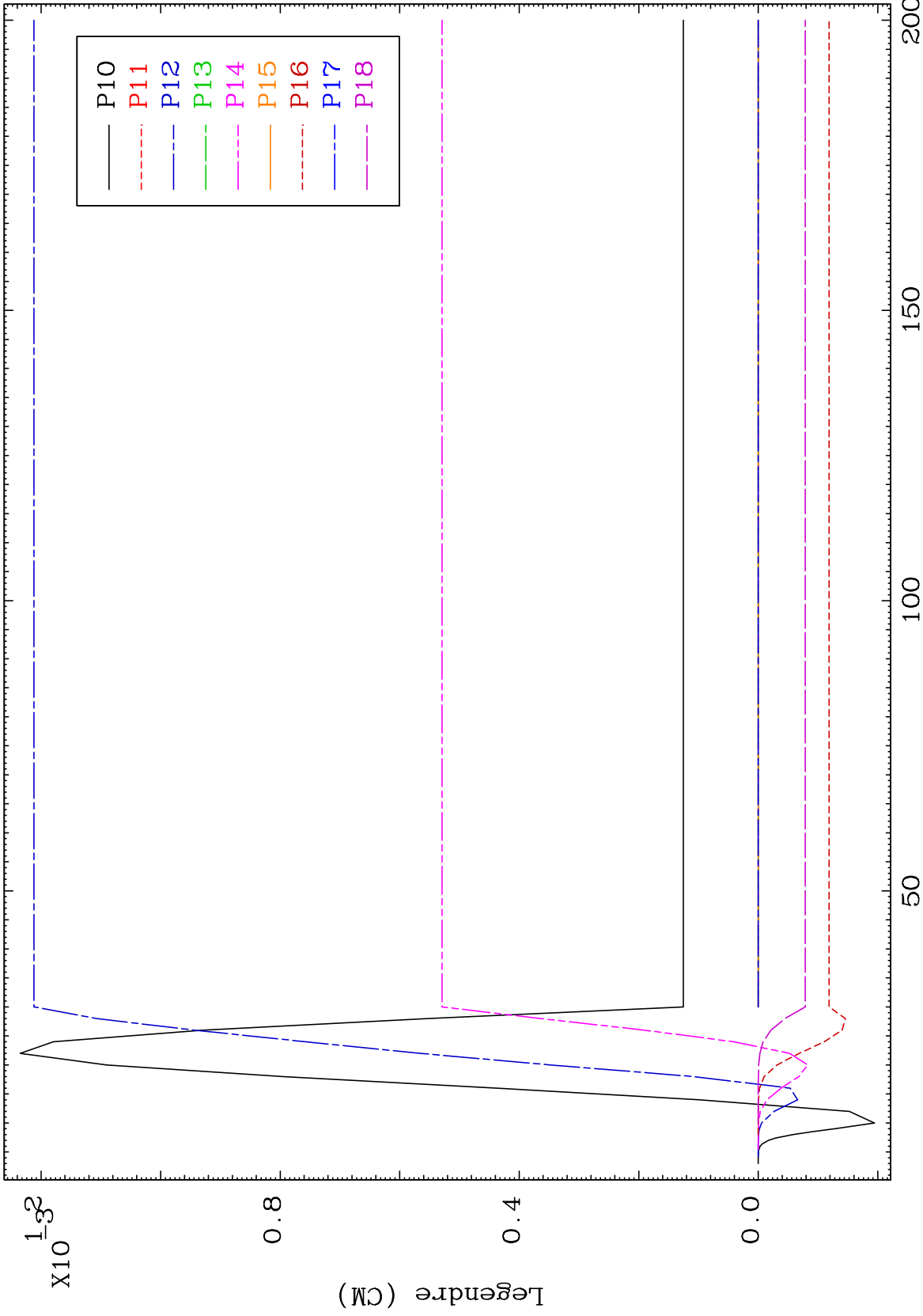


107 54-Xe-138

MAT 5467

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

54-Xe-138



108

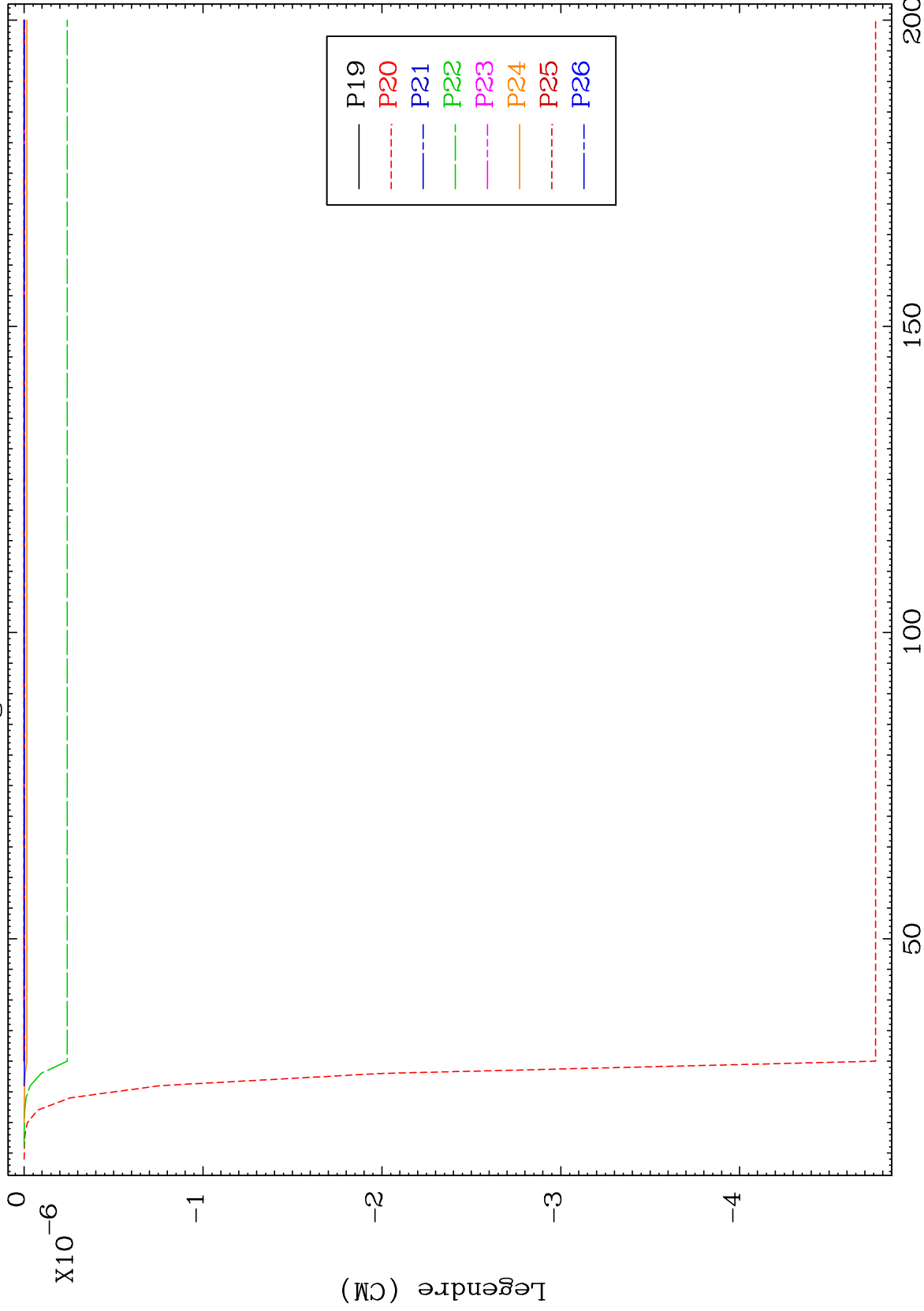
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



109

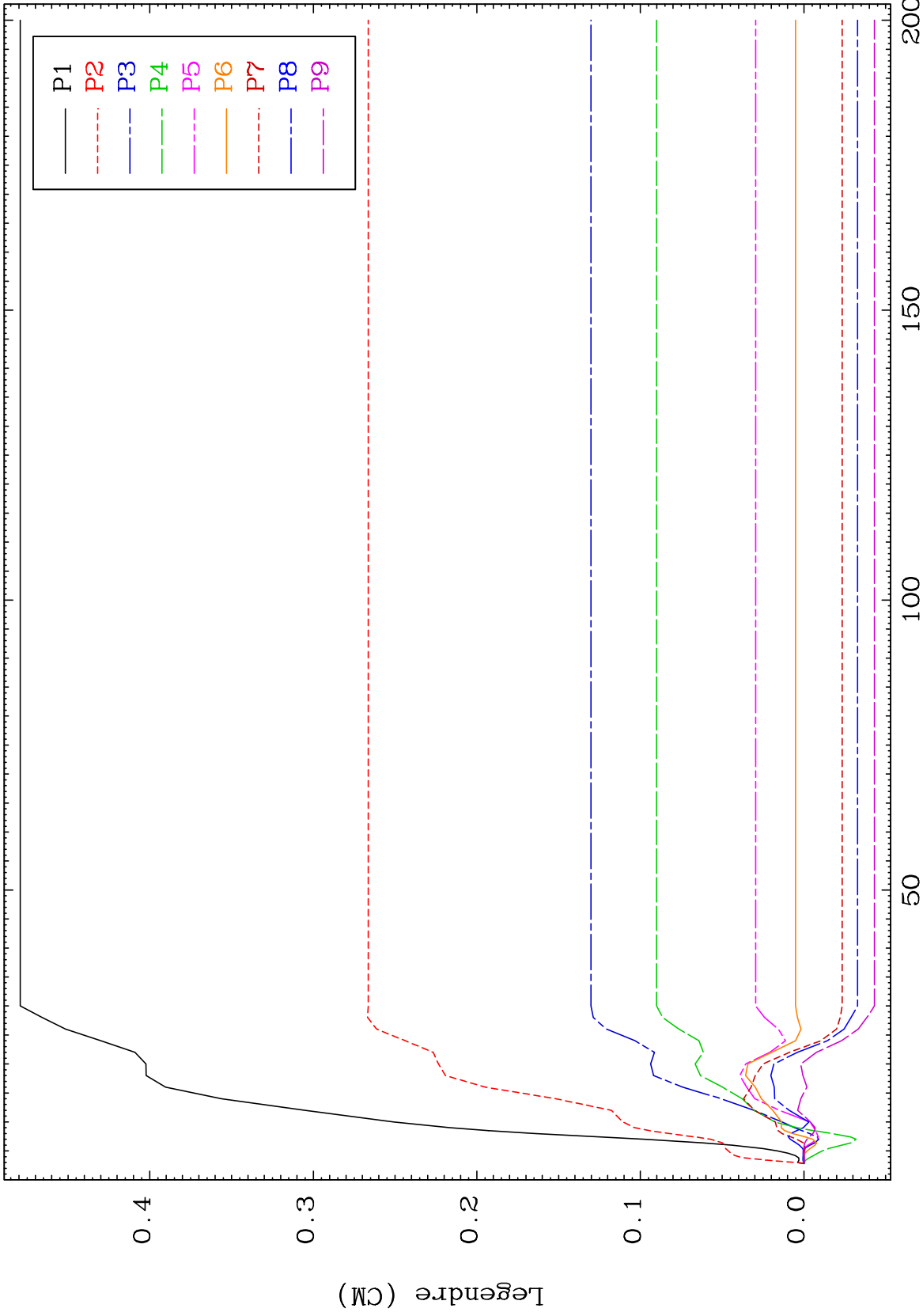
54-Xe-138

54-Xe-138

MAT 5467

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

54-Xe-138



110

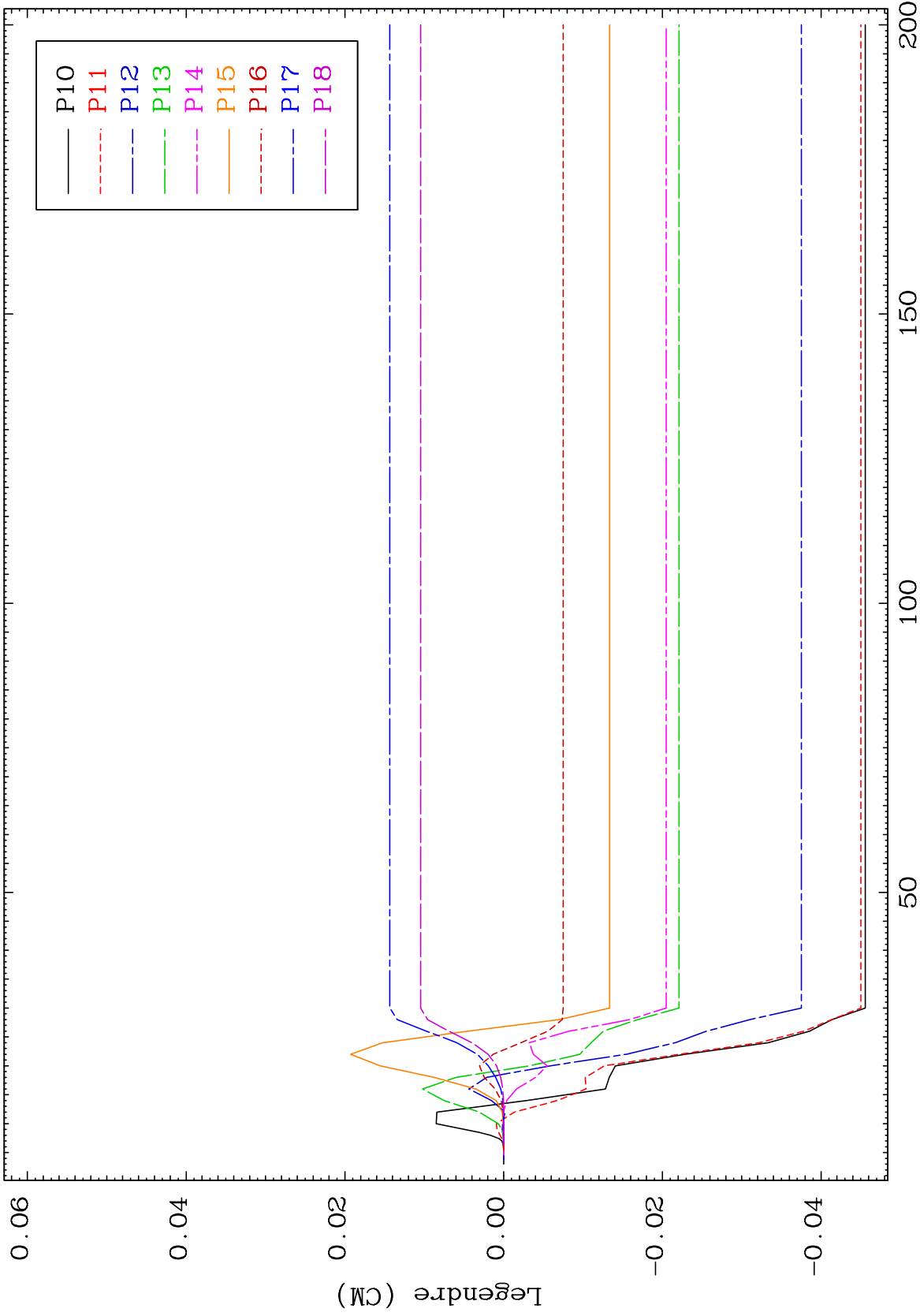
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



111

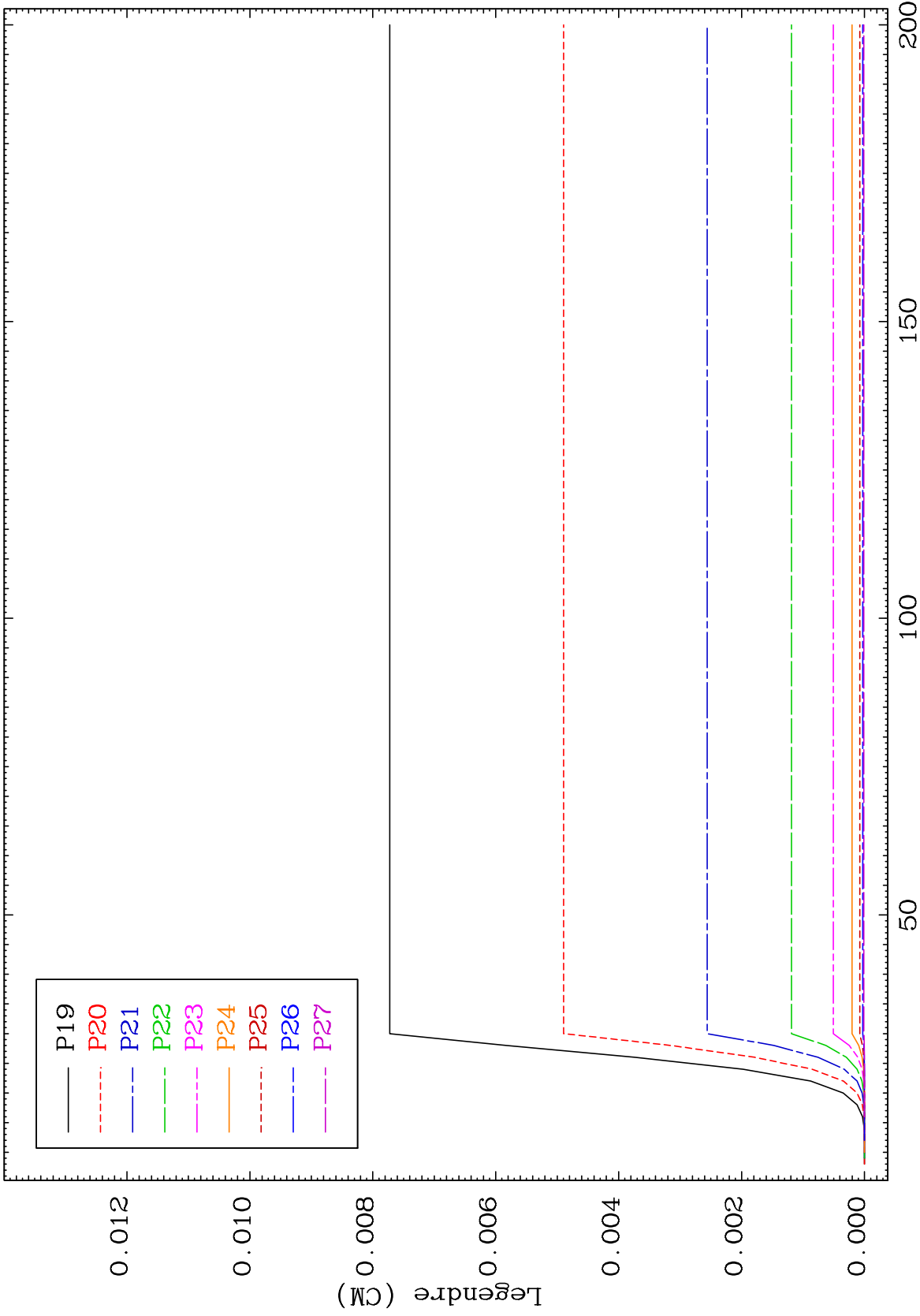
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



112

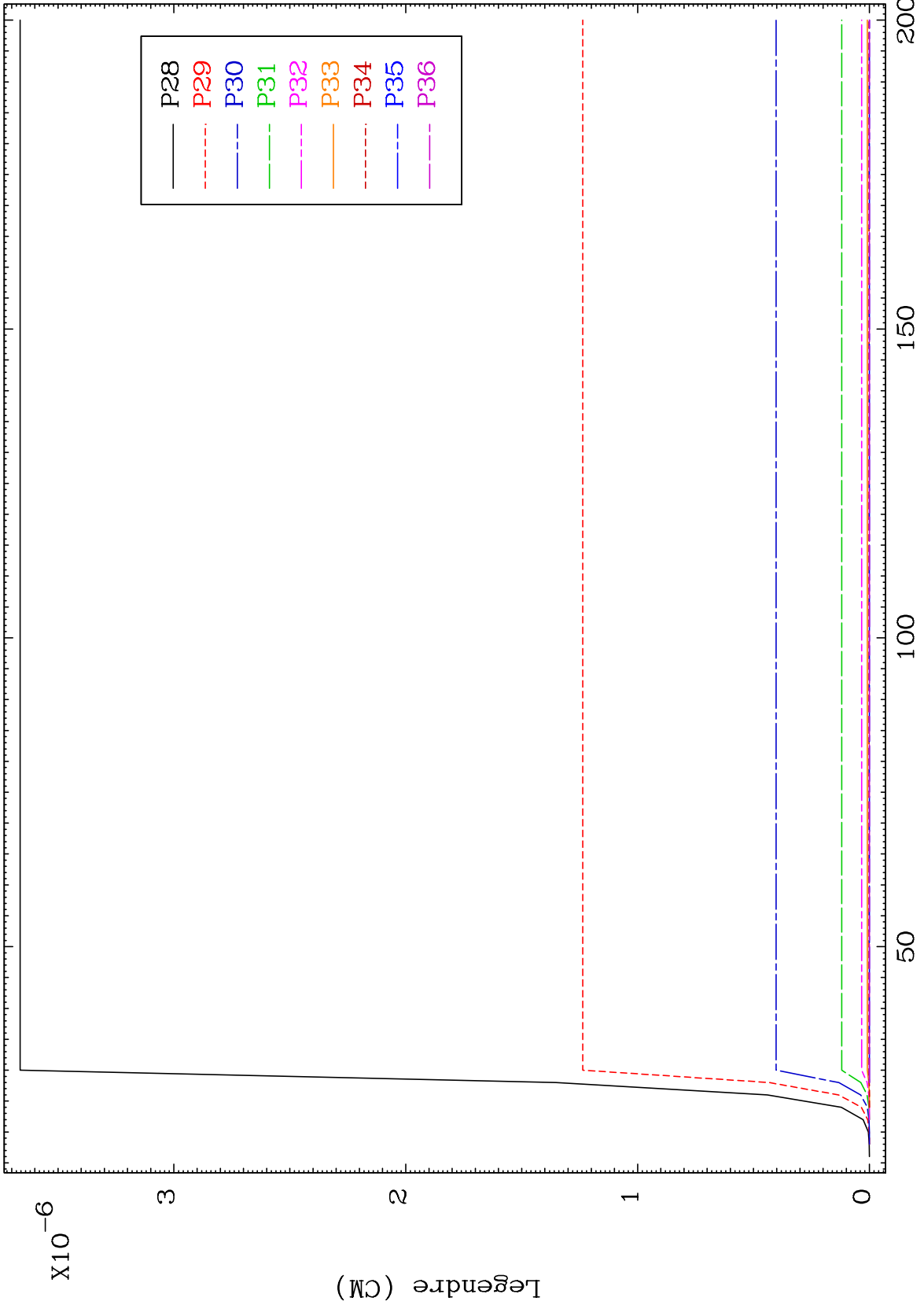
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



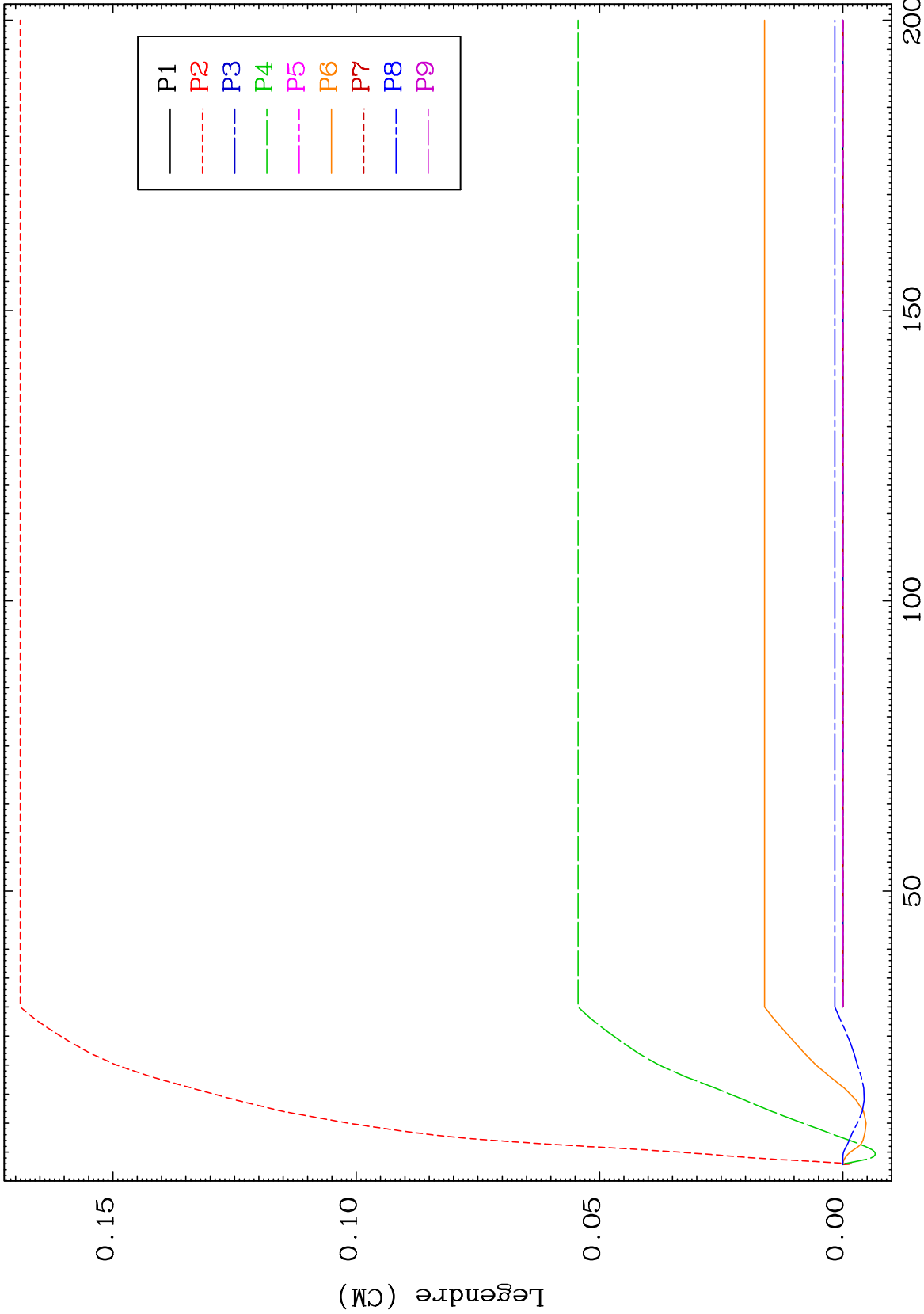
113

54-Xe-138

MAT 5467

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

54-Xe-138



114

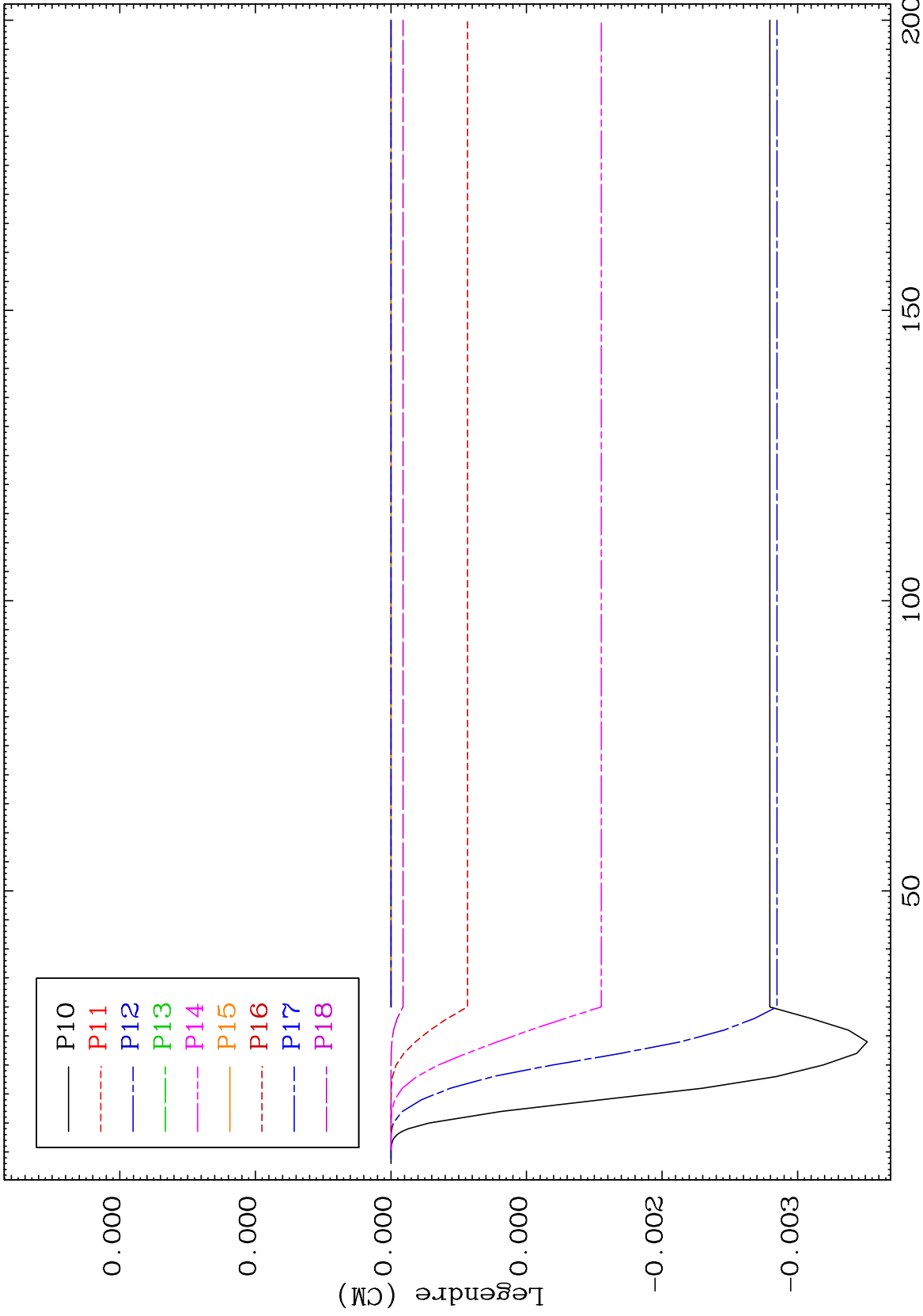
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



115

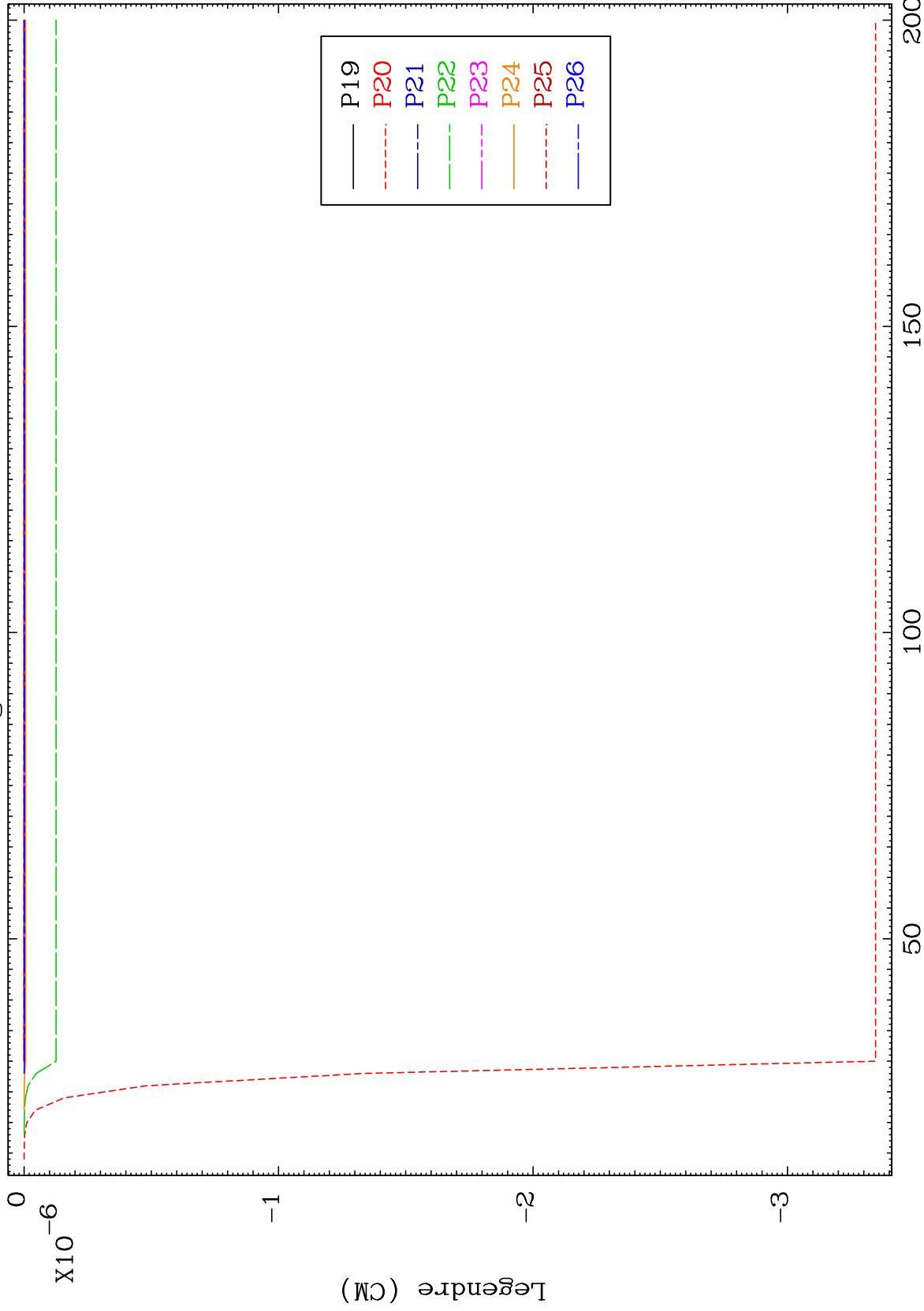
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



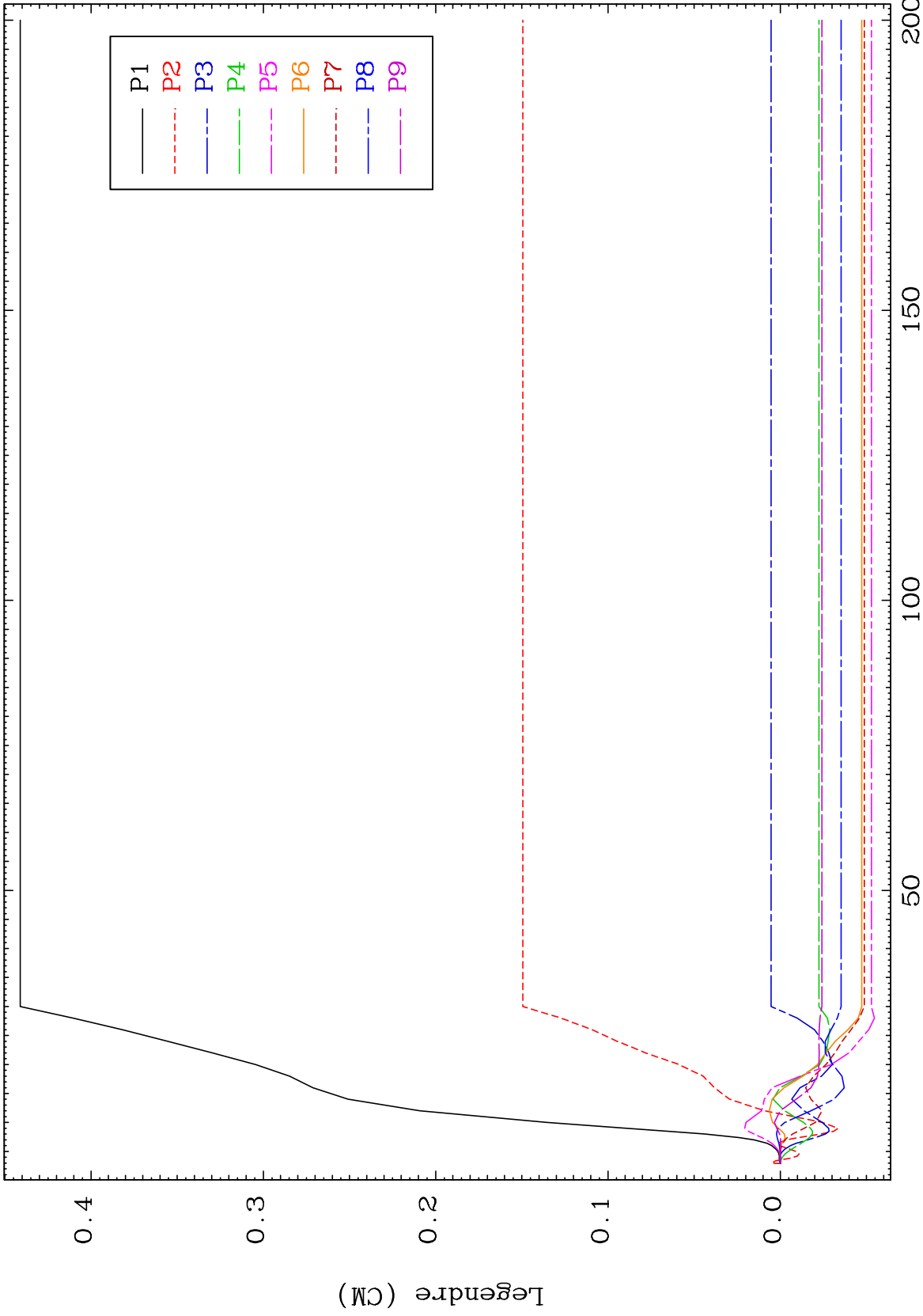
116

54-Xe-138

MAT 5467

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

54-Xe-138



117

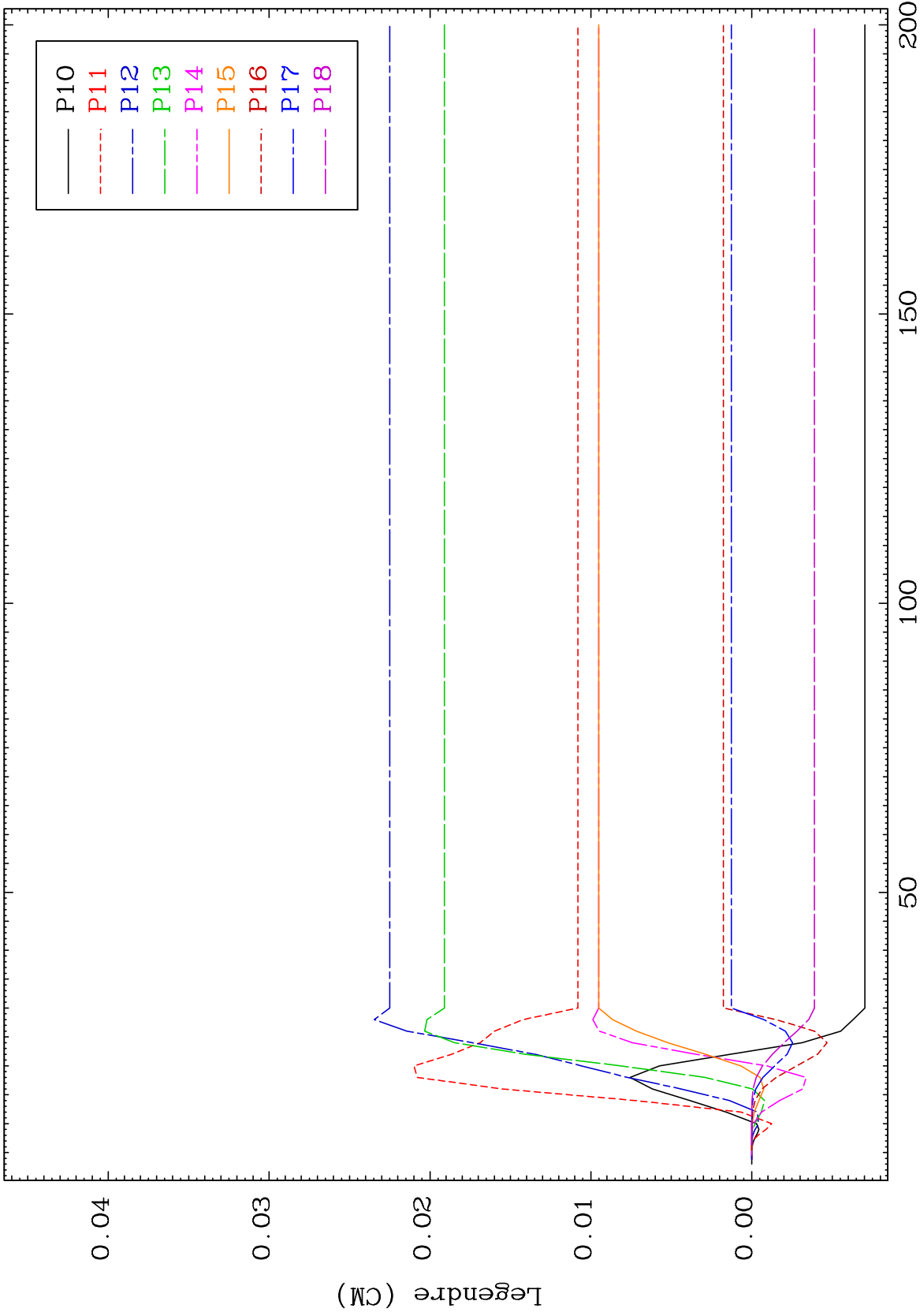
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



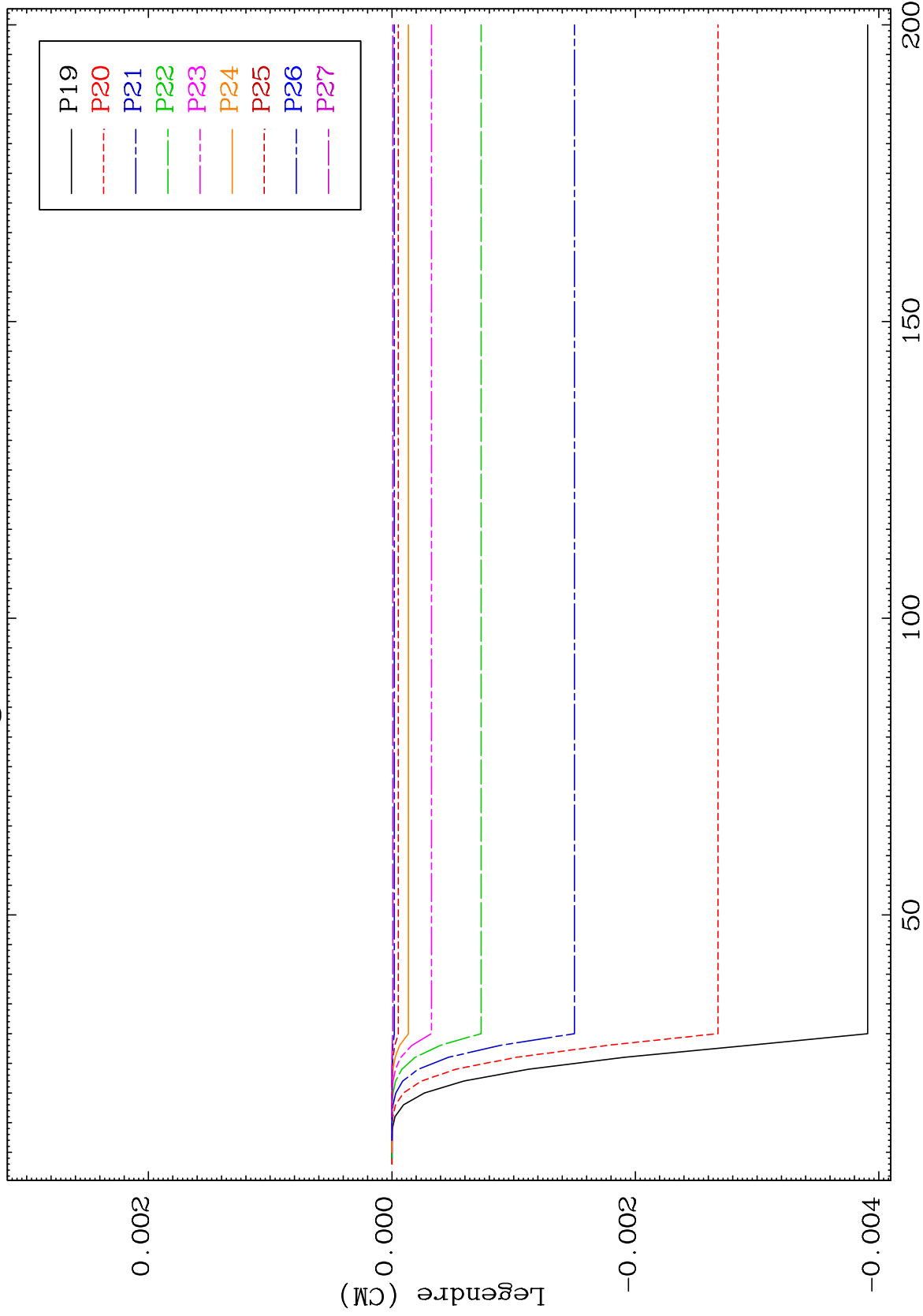
118

54-Xe-138

MAT 5467

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

54-Xe-138



119

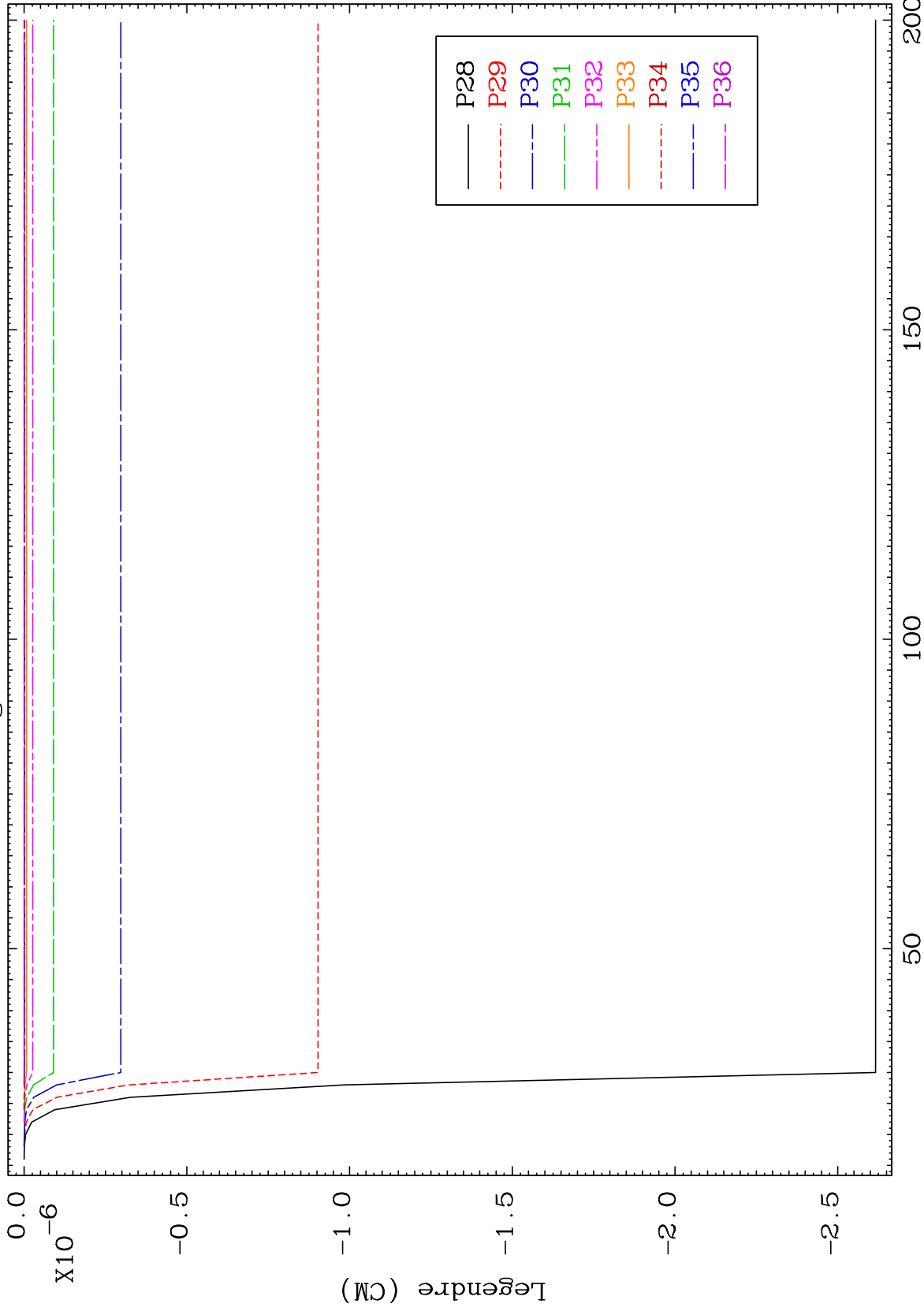
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



120

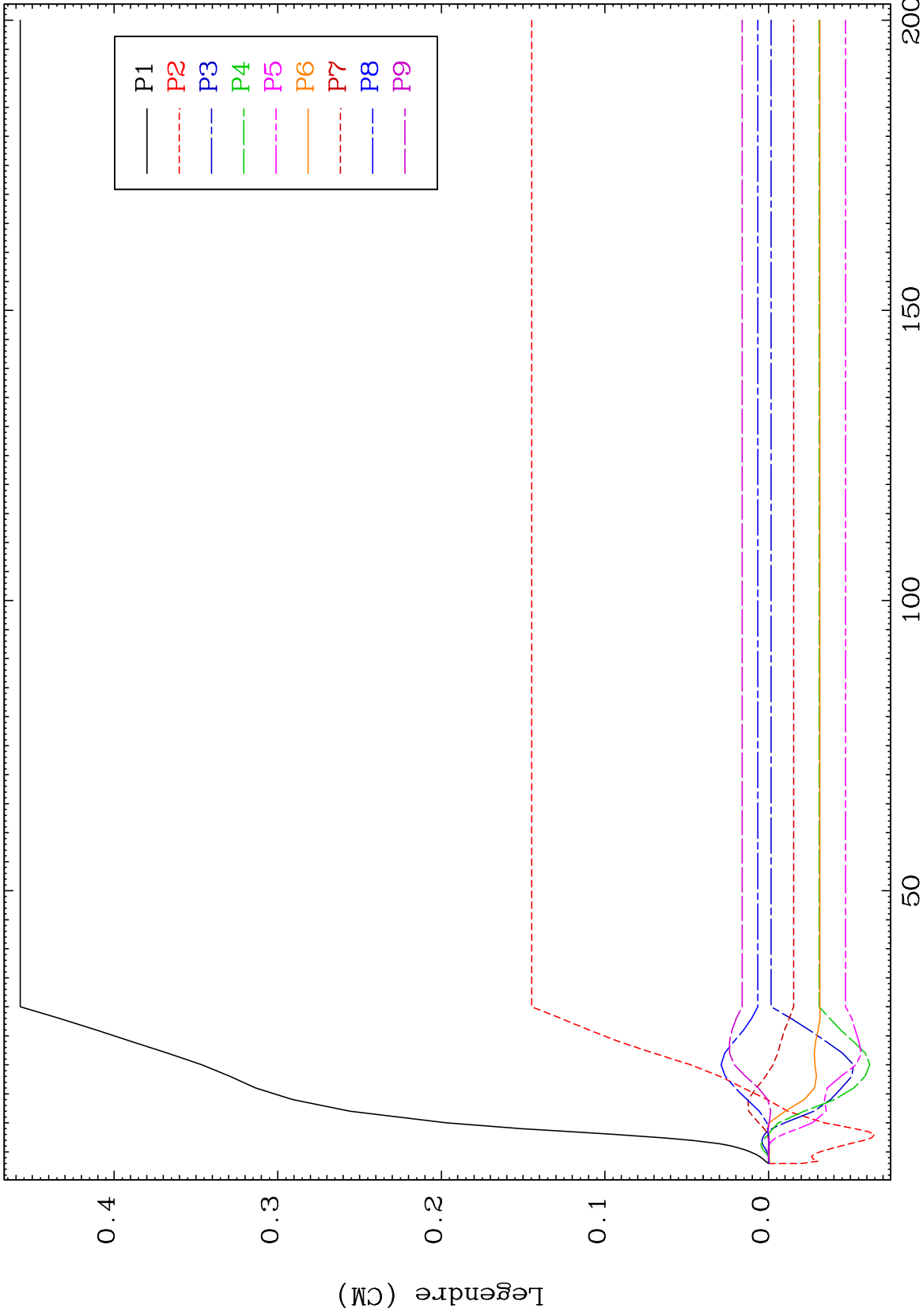
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



121

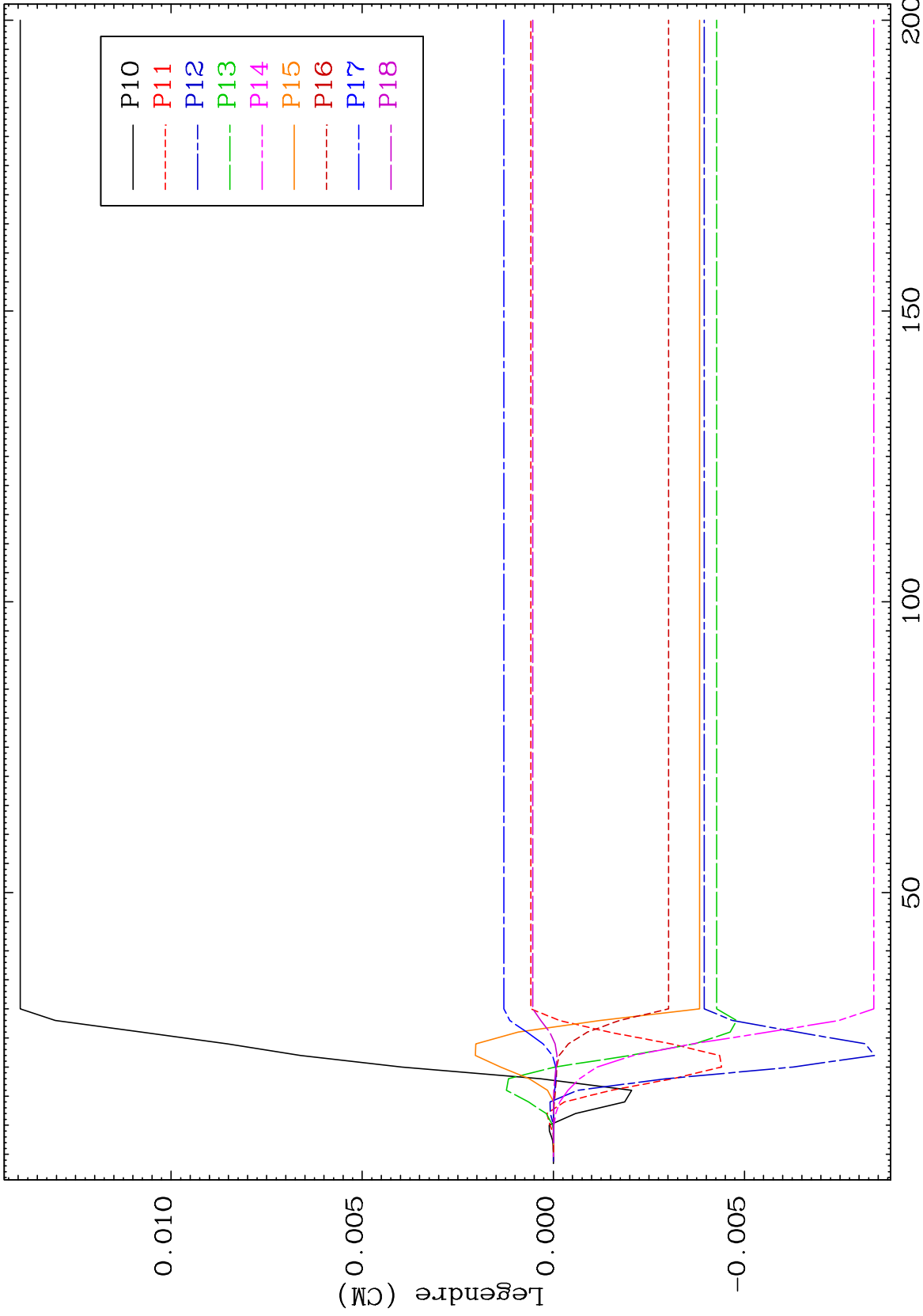
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



122

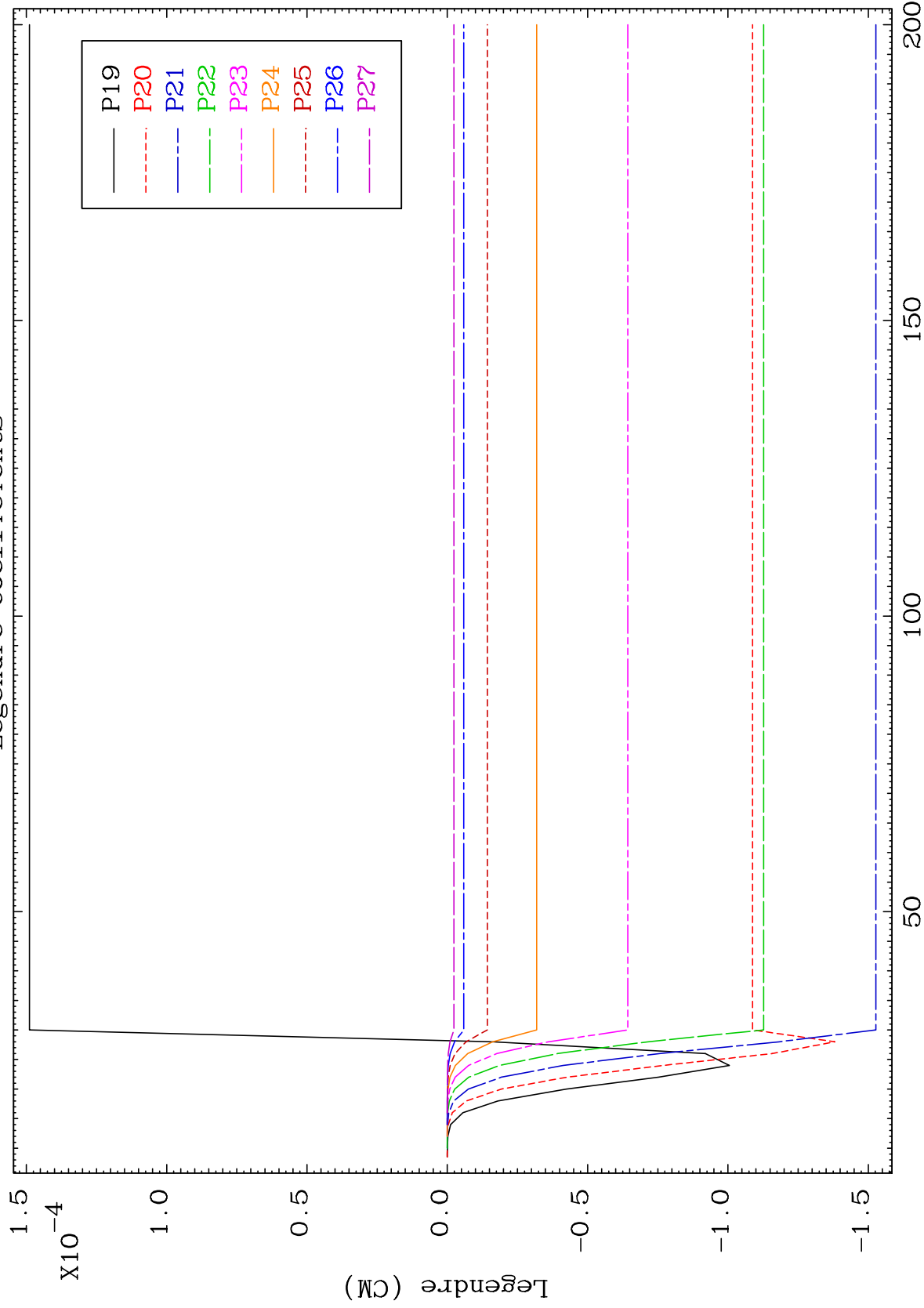
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



123

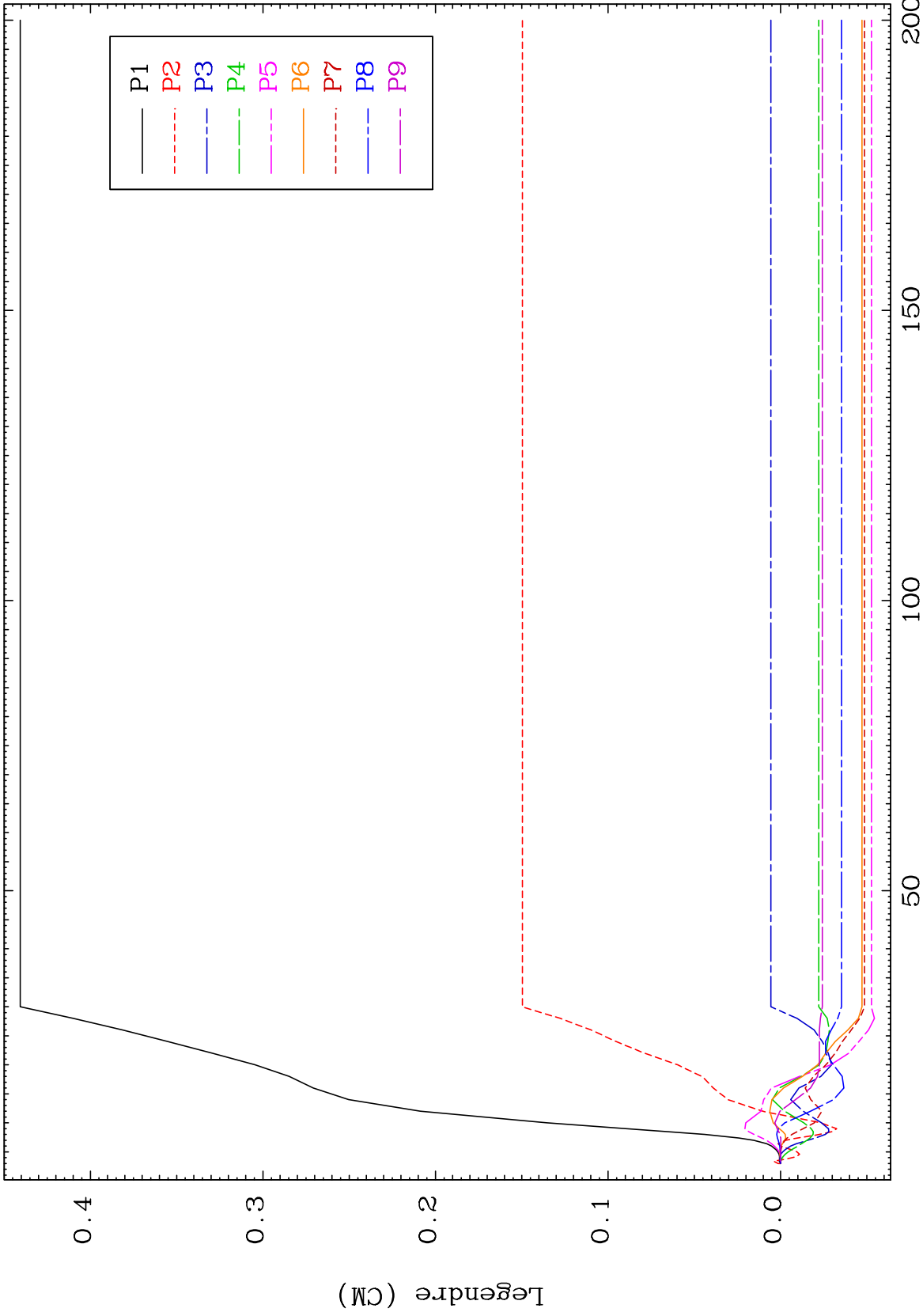
54-Xe-138



MAT 5467

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

54-Xe-138



125

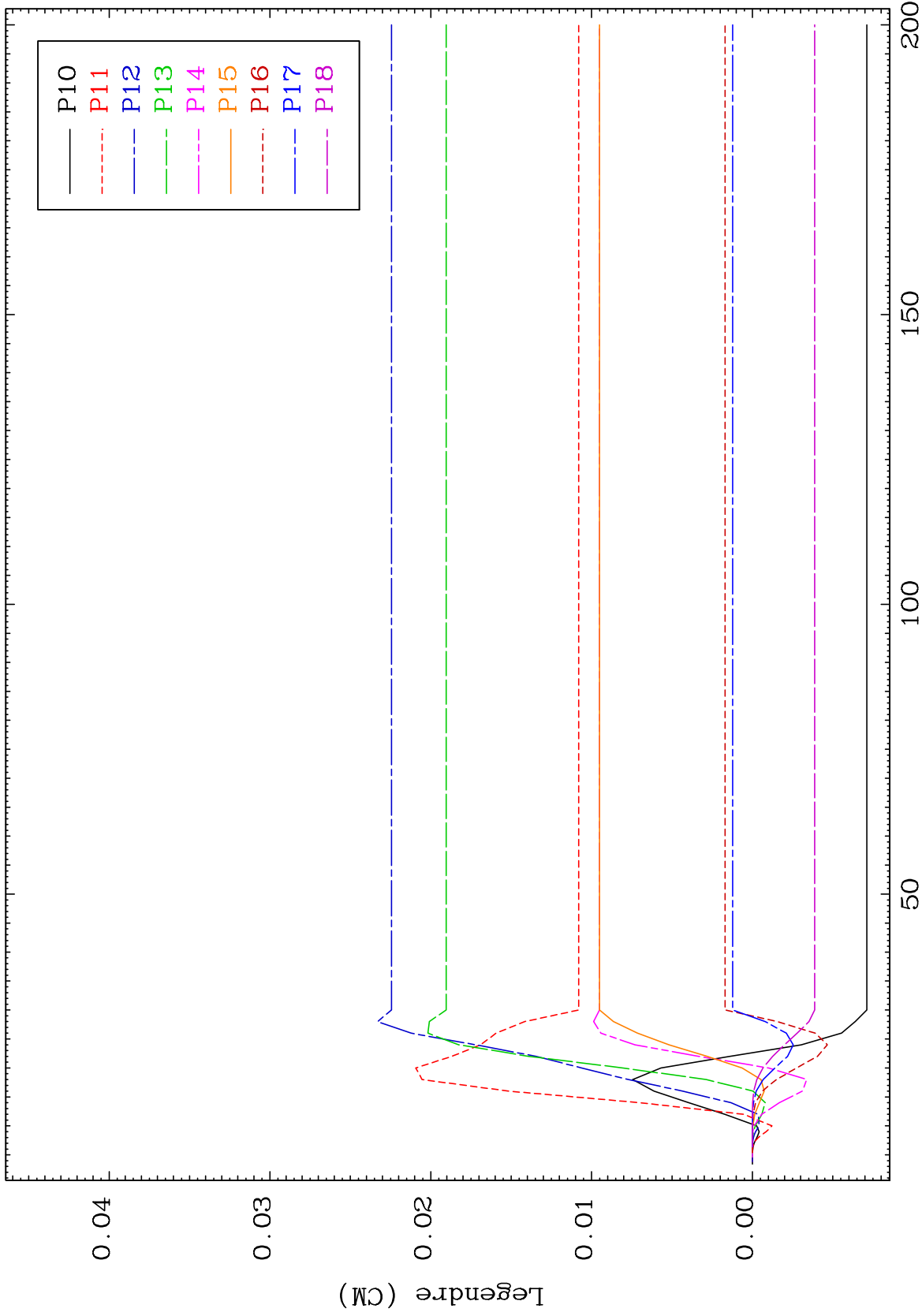
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



126

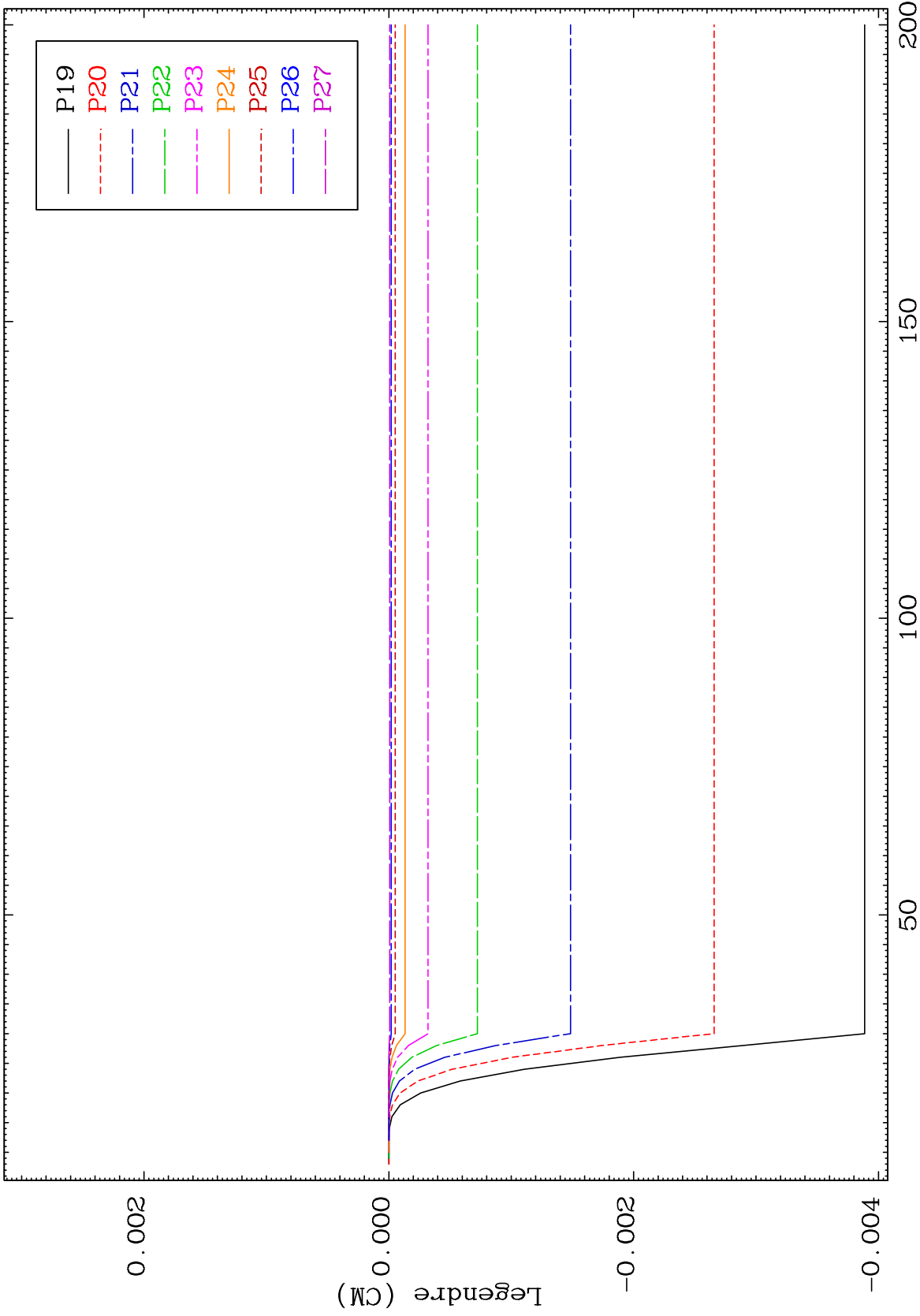
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



127

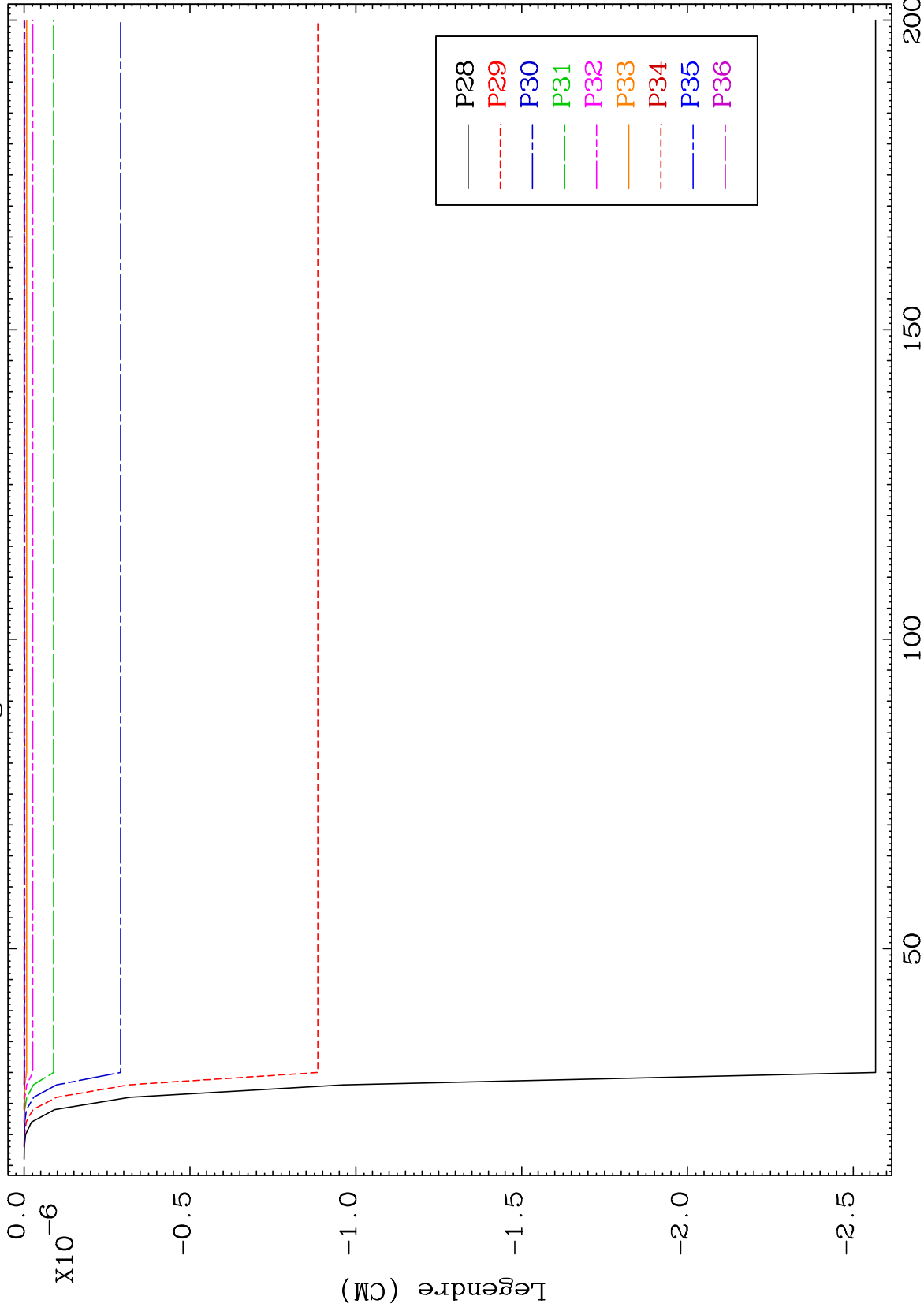
Incident Energy (MeV)

54-Xe-138

MAT 5467

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

54-Xe-138



128

Incident Energy (MeV)

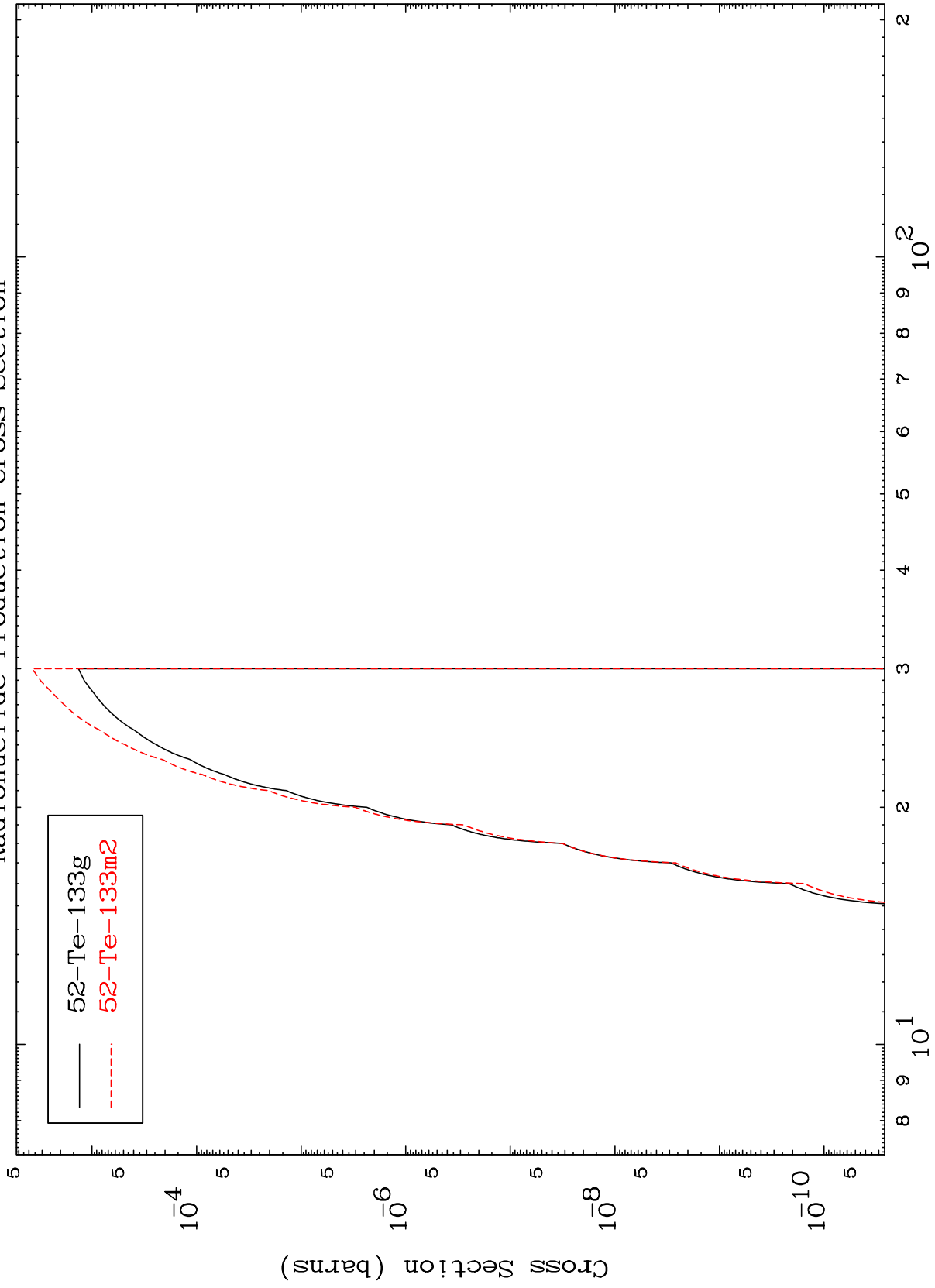
54-Xe-138

MAT 5467

(n,2n)  $\alpha$

54-Xe-138

Radionuclide Production Cross Section



129

Incident Energy (MeV)

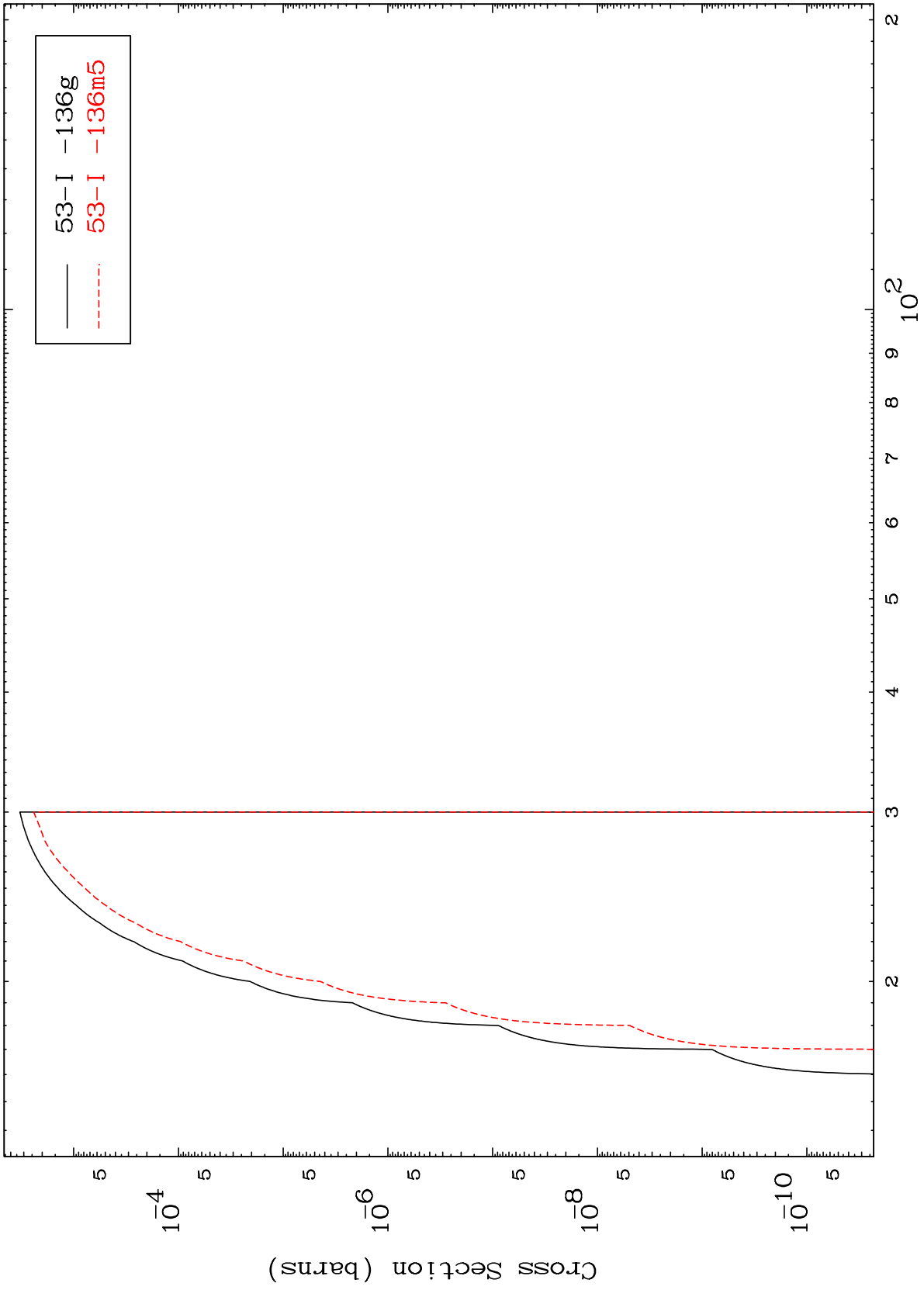
54-Xe-138

MAT 5467

(n,n') d

54-Xe-138

Radionuclide Production Cross Section



130

Incident Energy (MeV)

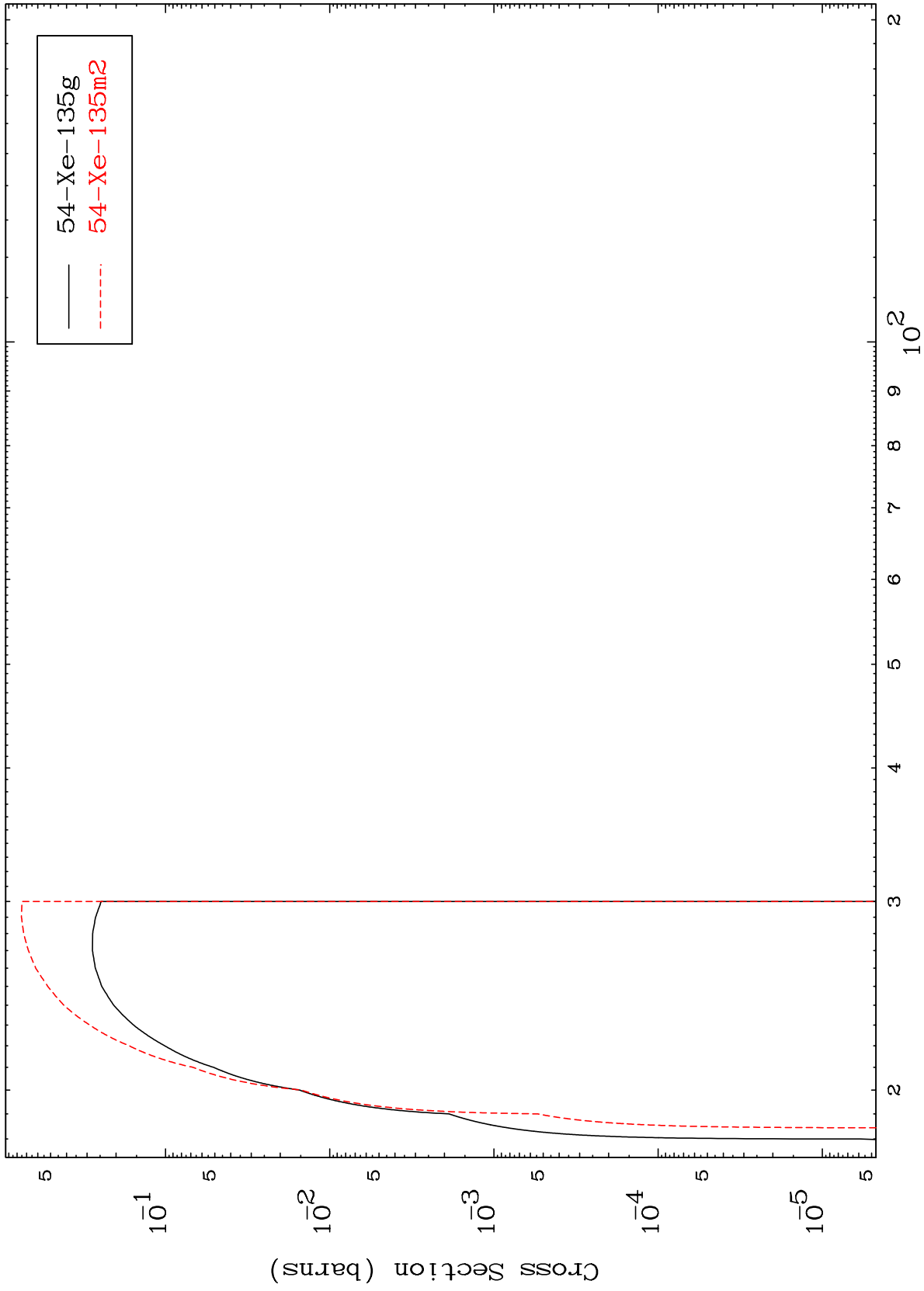
54-Xe-138

MAT 5467

(n,4n)

54-Xe-138

Radionuclide Production Cross Section



131

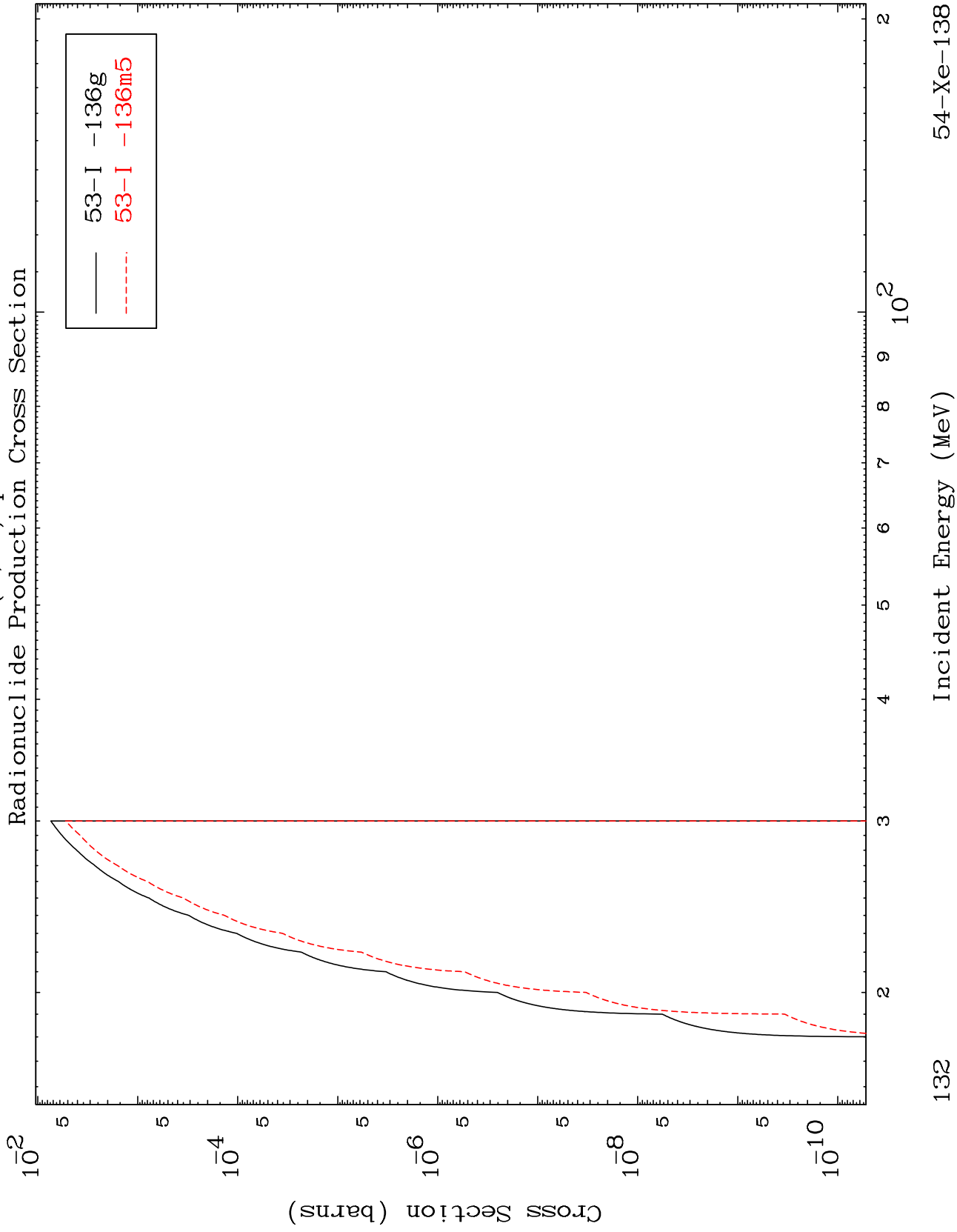
Incident Energy (MeV)

54-Xe-138

MAT 5467

(n,2n) p

54-Xe-138



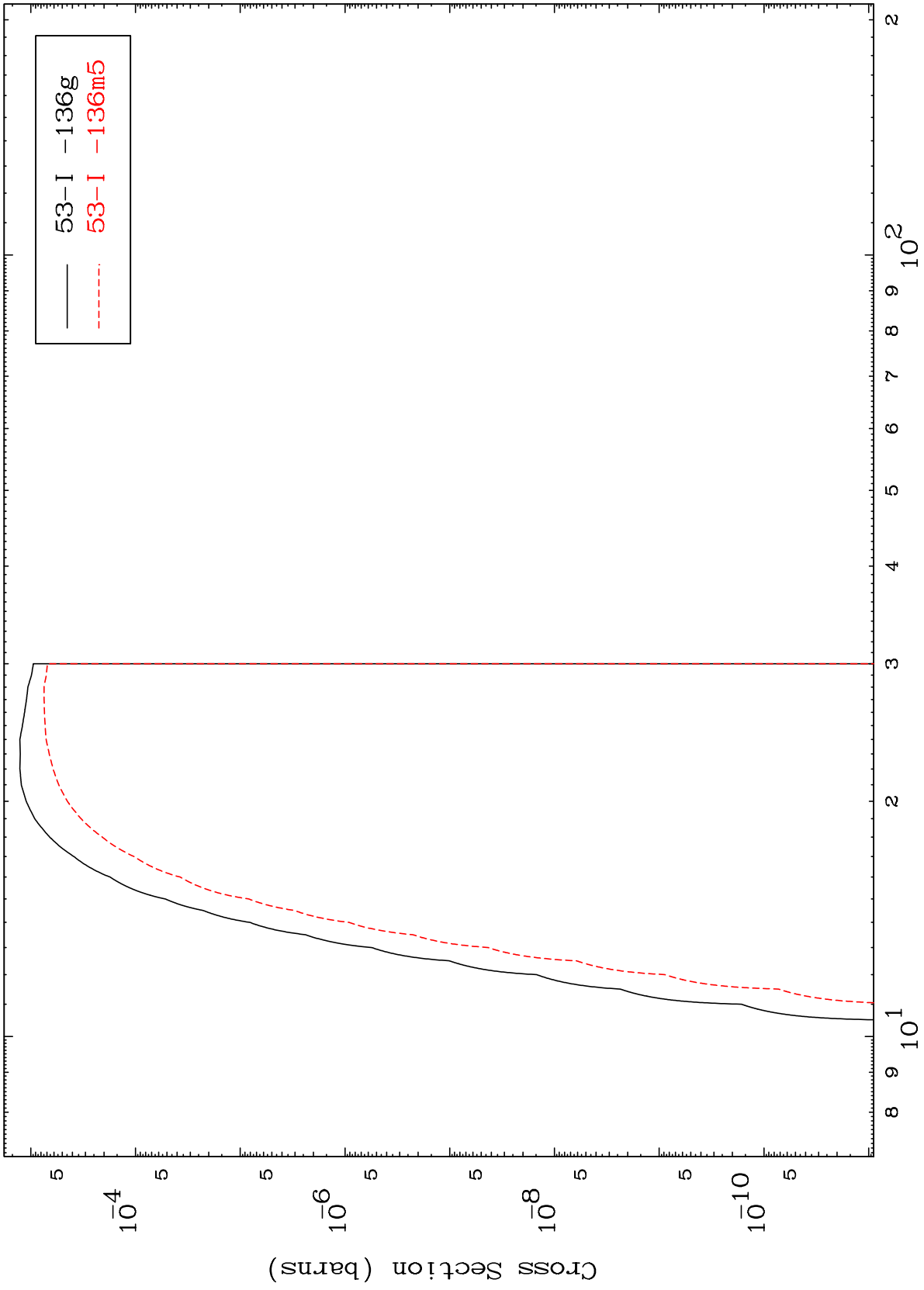
132

54-Xe-138

MAT 5467

54-Xe-138

(n, t)  
Radionuclide Production Cross Section



133

Incident Energy (MeV)

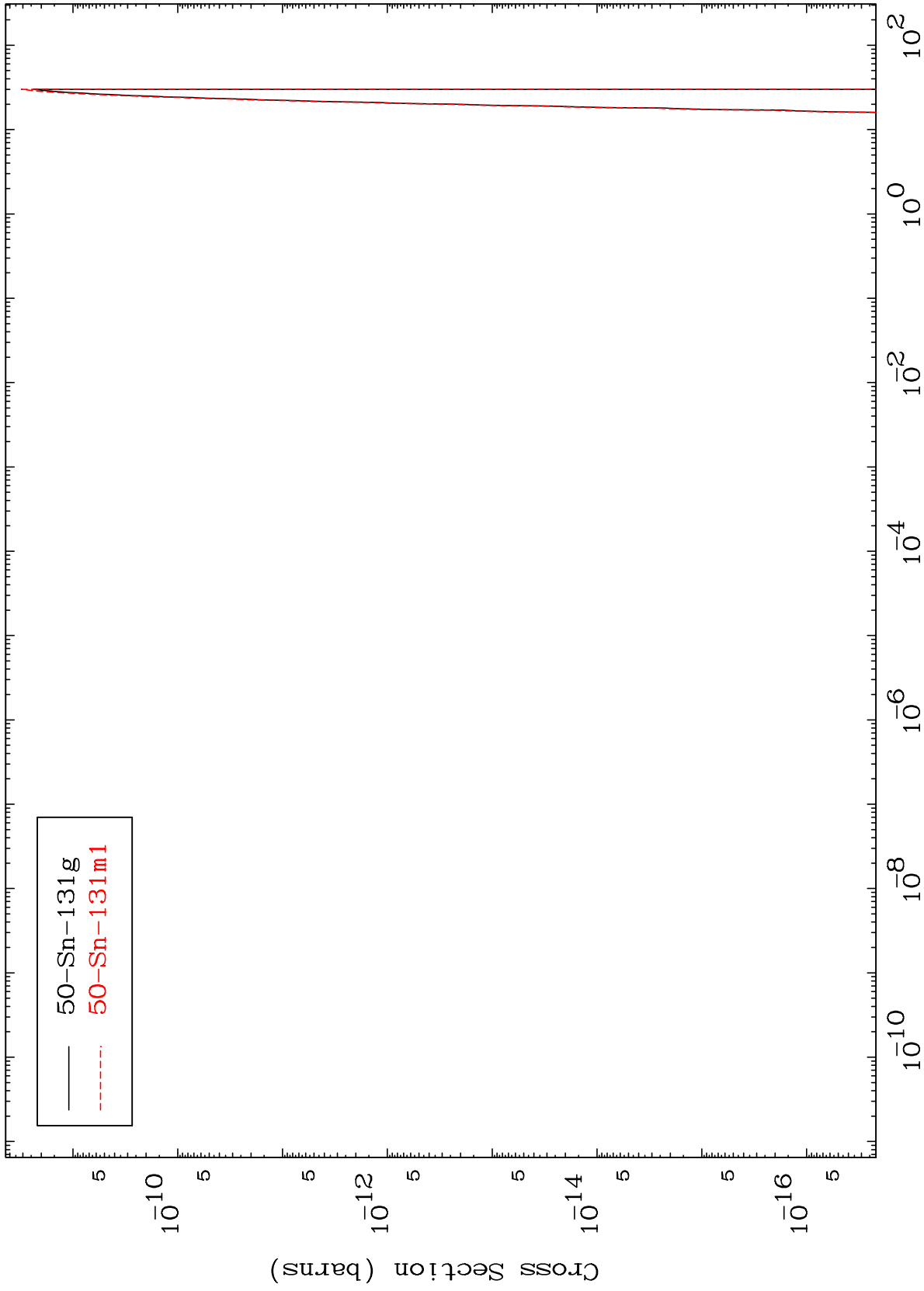
54-Xe-138

MAT 5467

(n,2α)

54-Xe-138

Radionuclide Production Cross Section



134

Incident Energy (MeV)

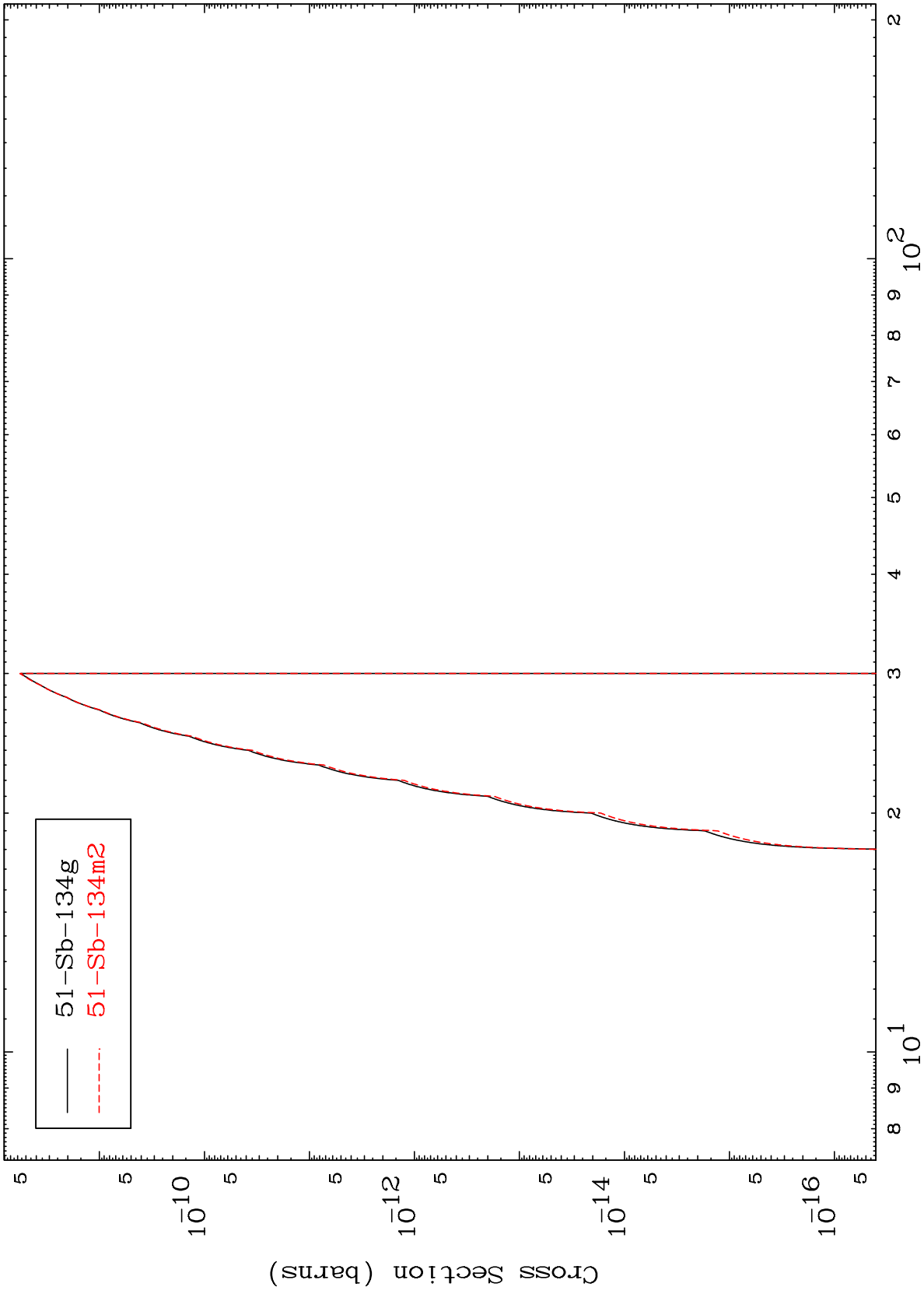
54-Xe-138

MAT 5467

(n,p)  $\alpha$

54-Xe-138

Radionuclide Production Cross Section



135

Incident Energy (MeV)

54-Xe-138