

Program EVALPLOT
(Version 2018-1)

by

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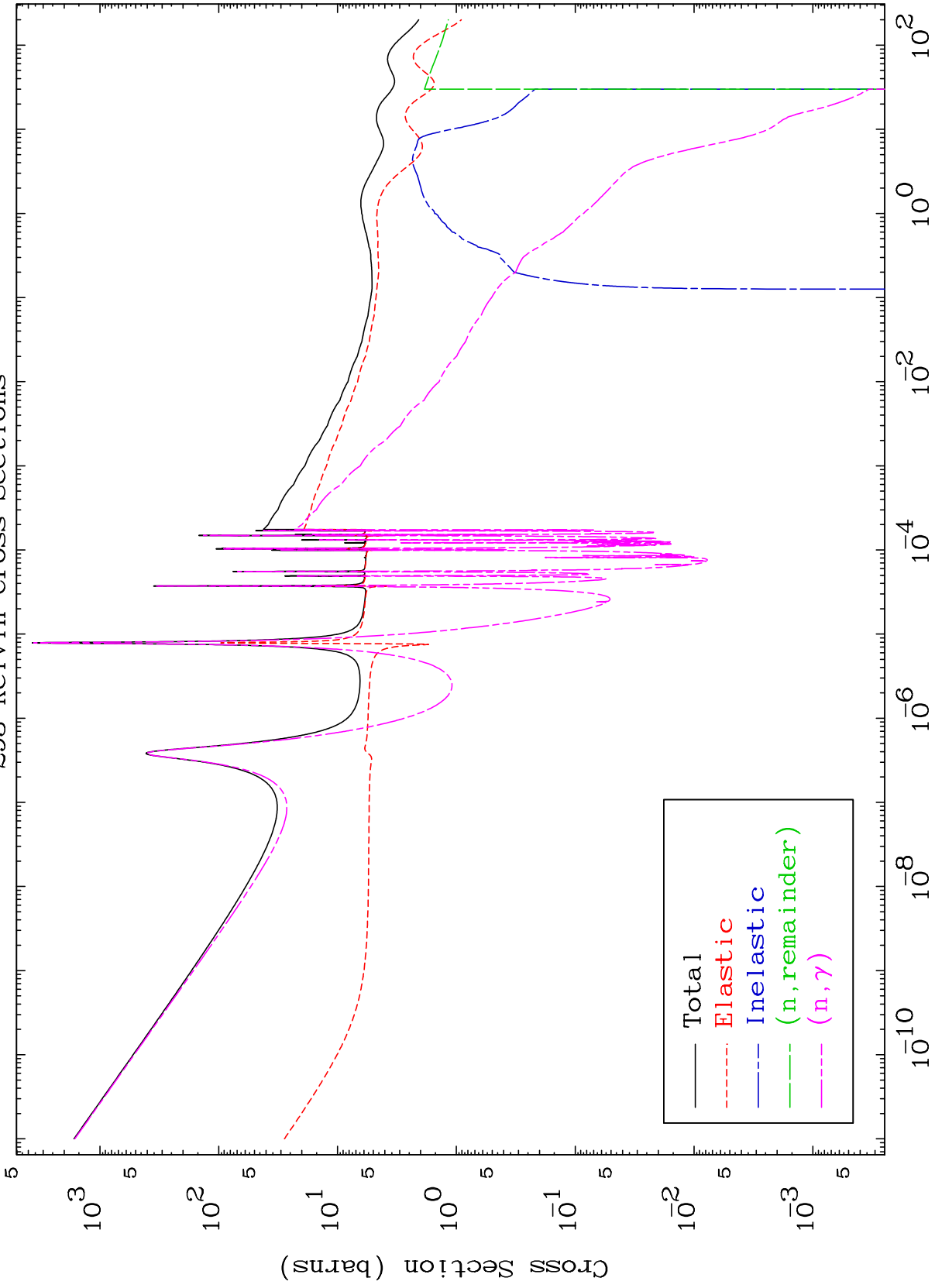
Press Mouse Button to Start

MAT 5434

Major

293 Kelvin Cross Sections

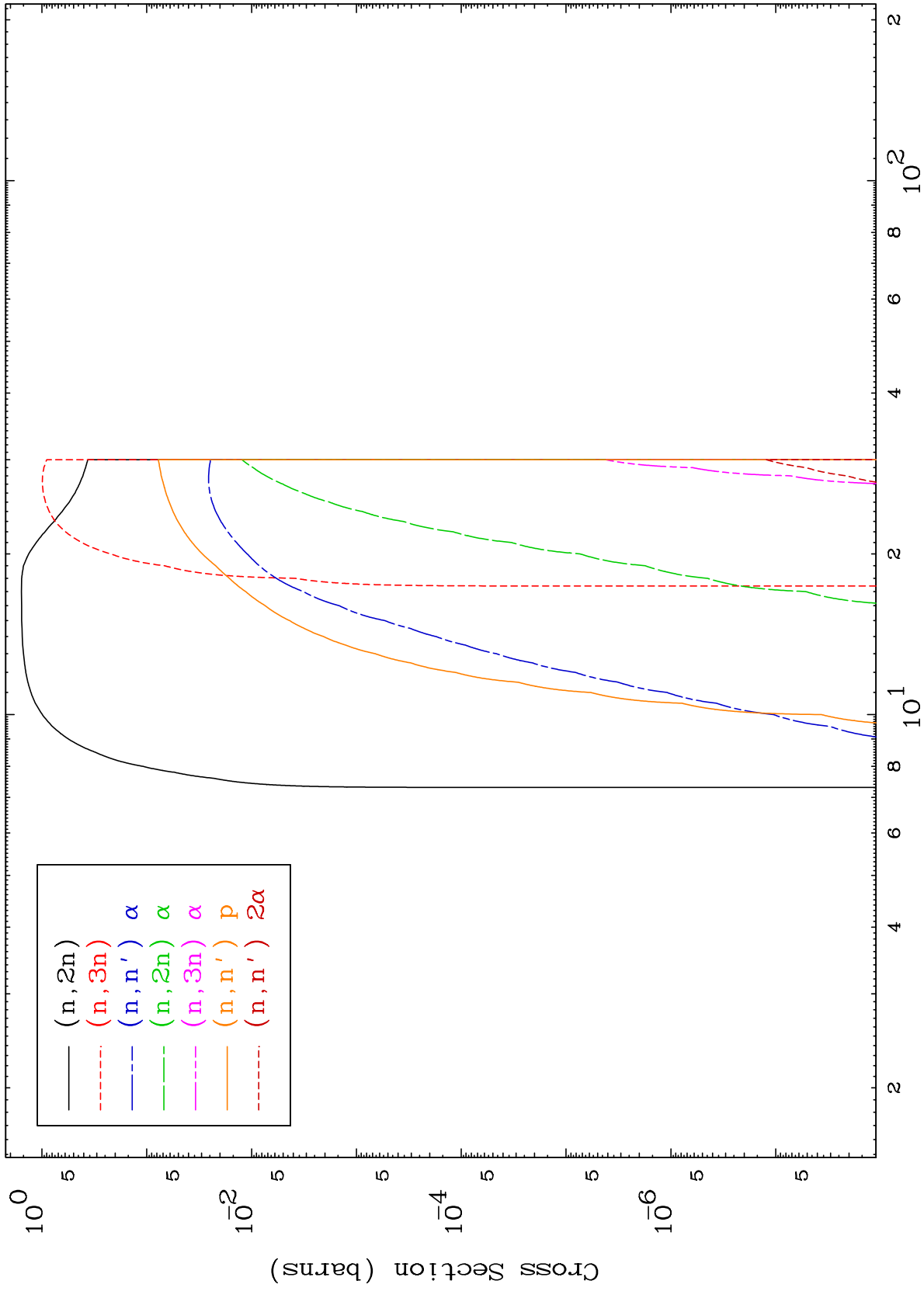
54-Xe-127



MAT 5434

Neutron Production
293 Kelvin Cross Sections

54-Xe-127

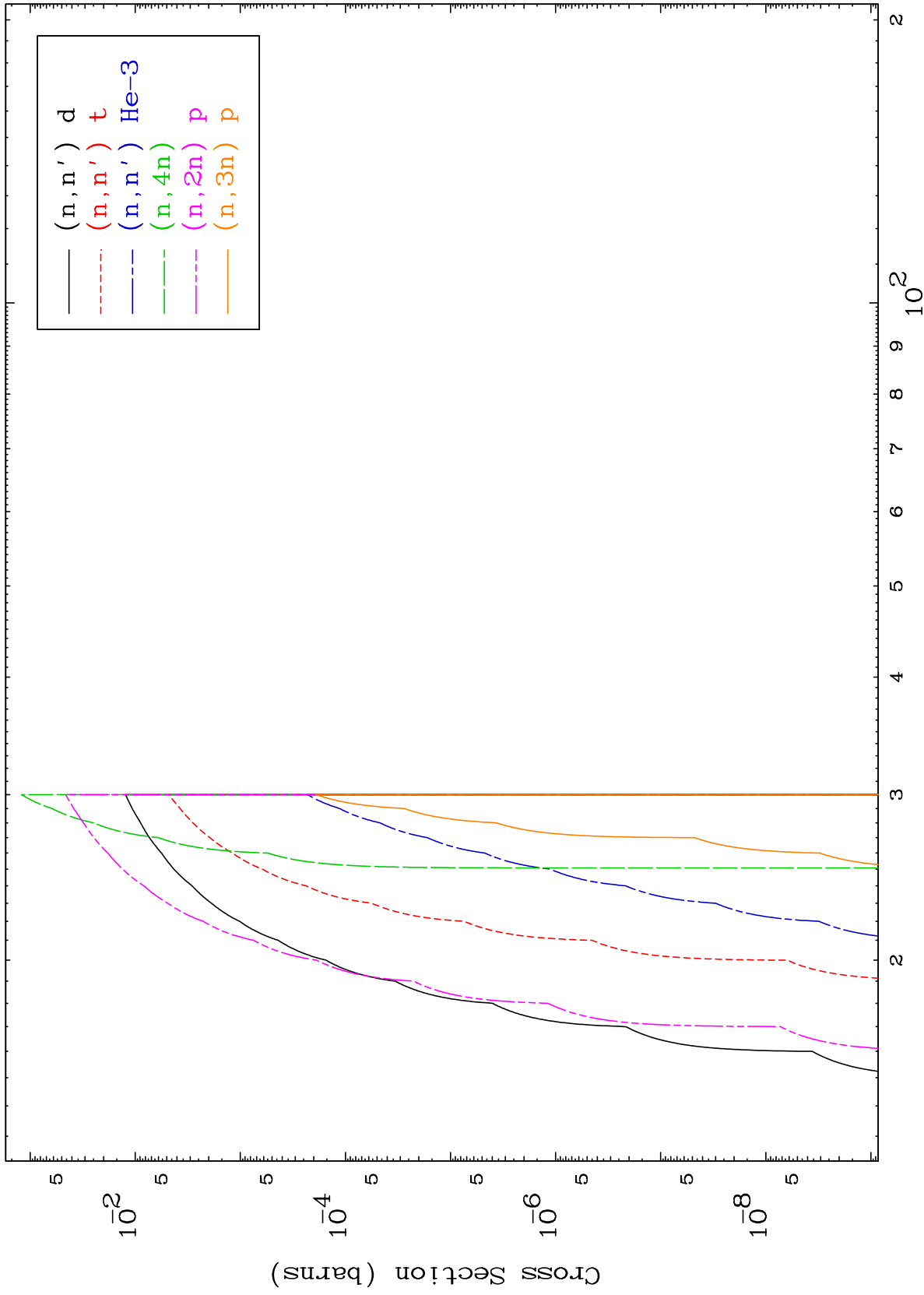


2

MAT 5434

Neutron Production
293 Kelvin Cross Sections

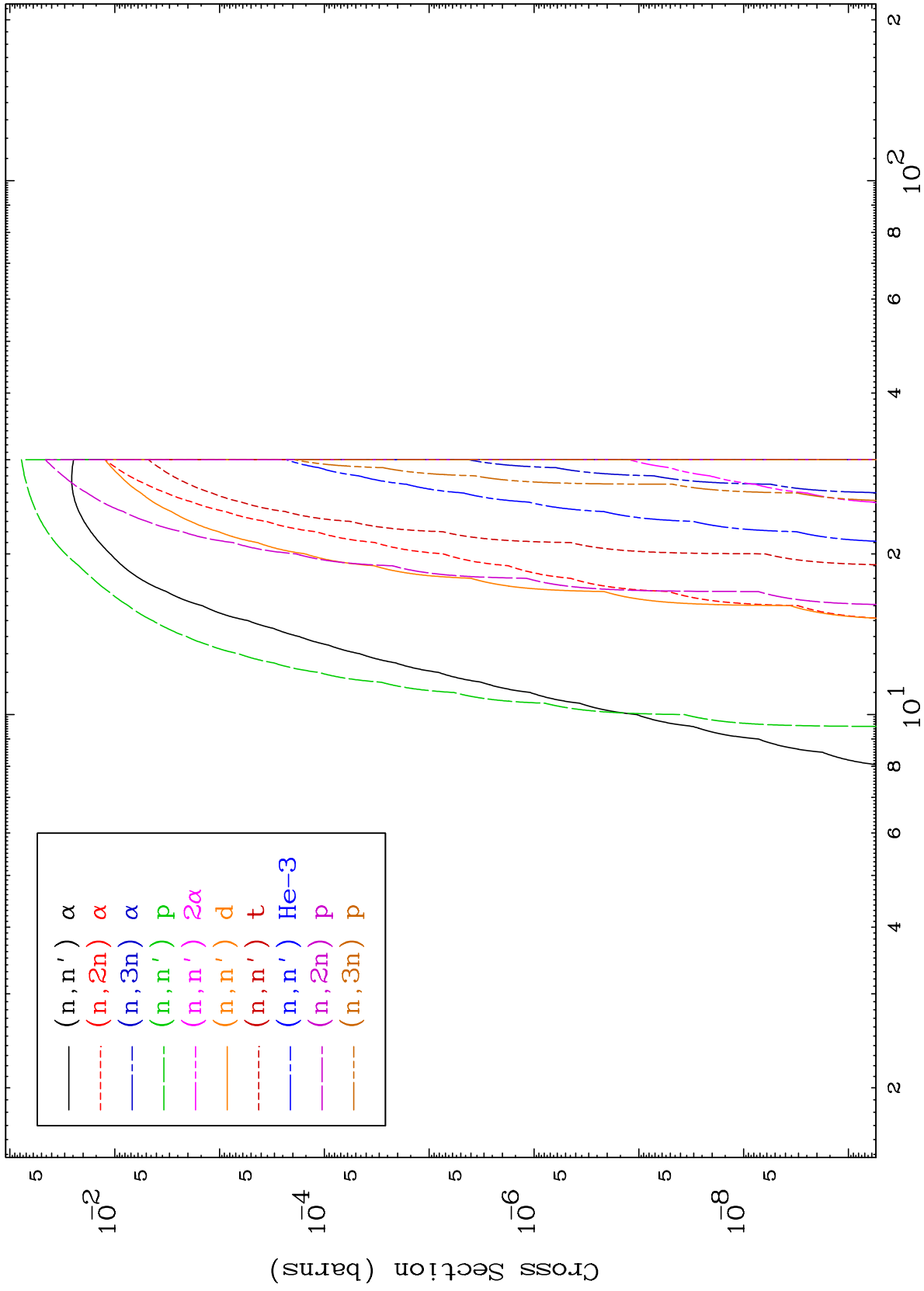
54-Xe-127



3

Incident Energy (MeV)

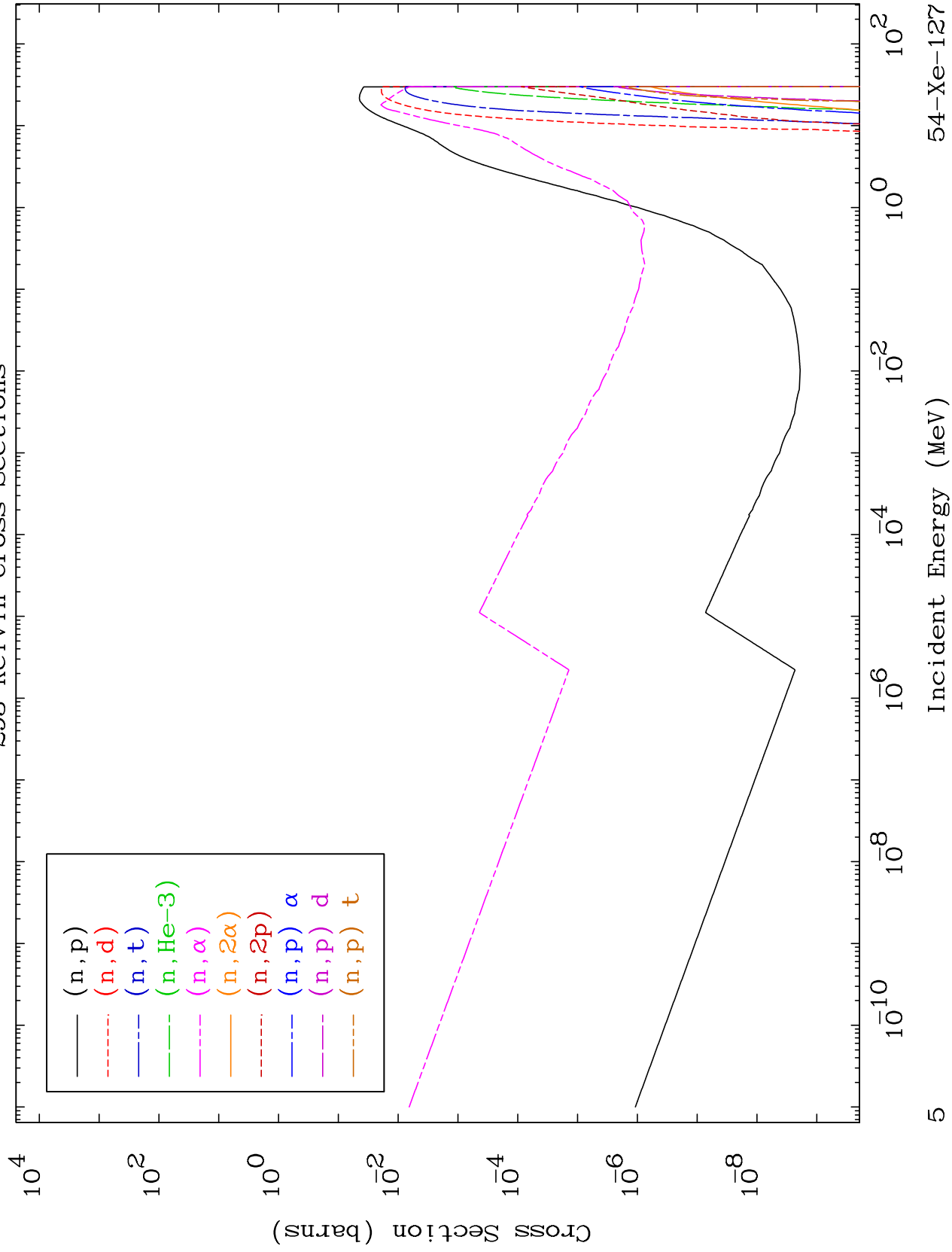
54-Xe-127



MAT 5434

293 Kelvin Cross Sections

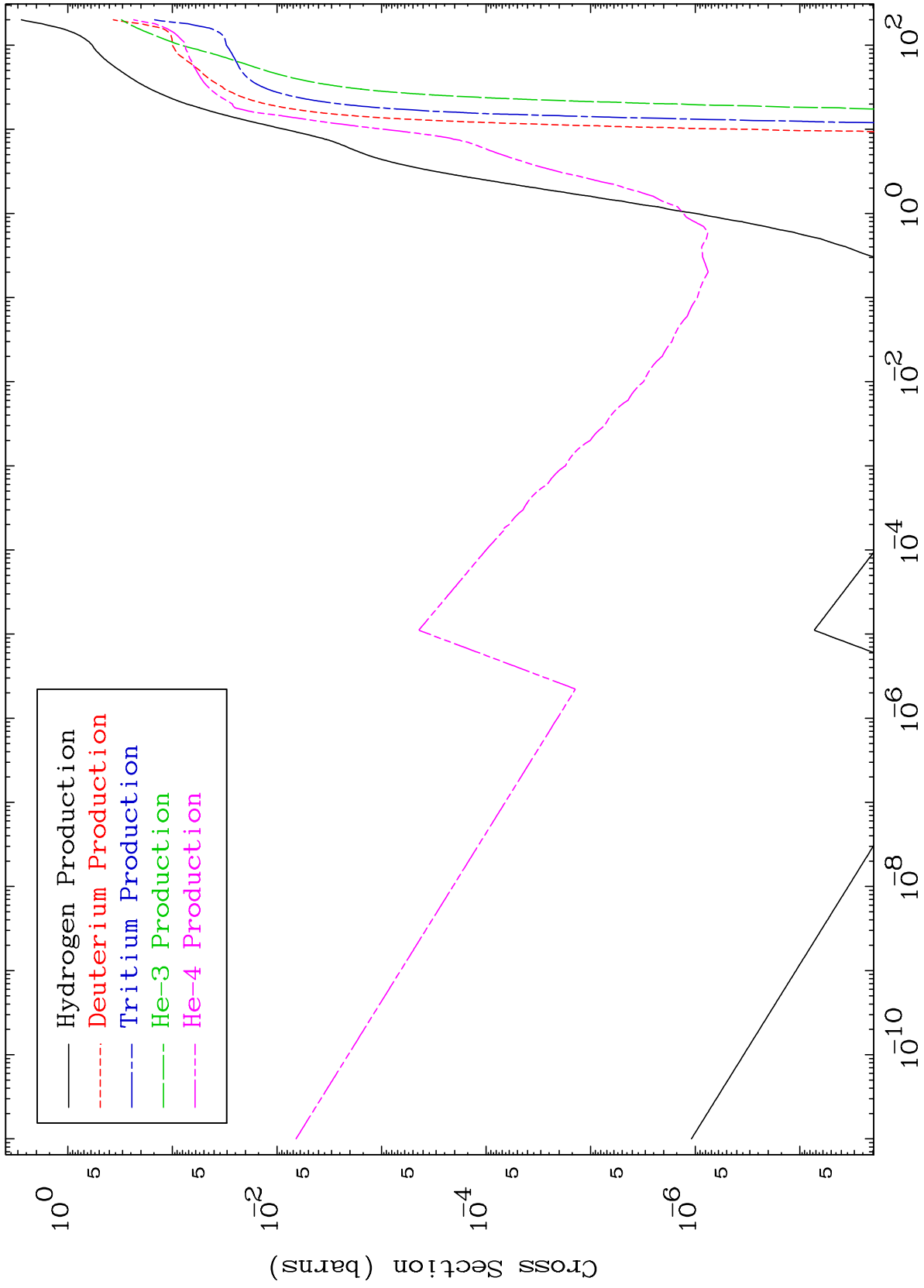
54-Xe-127



MAT 5434

Particle Production
293 Kelvin Cross Sections

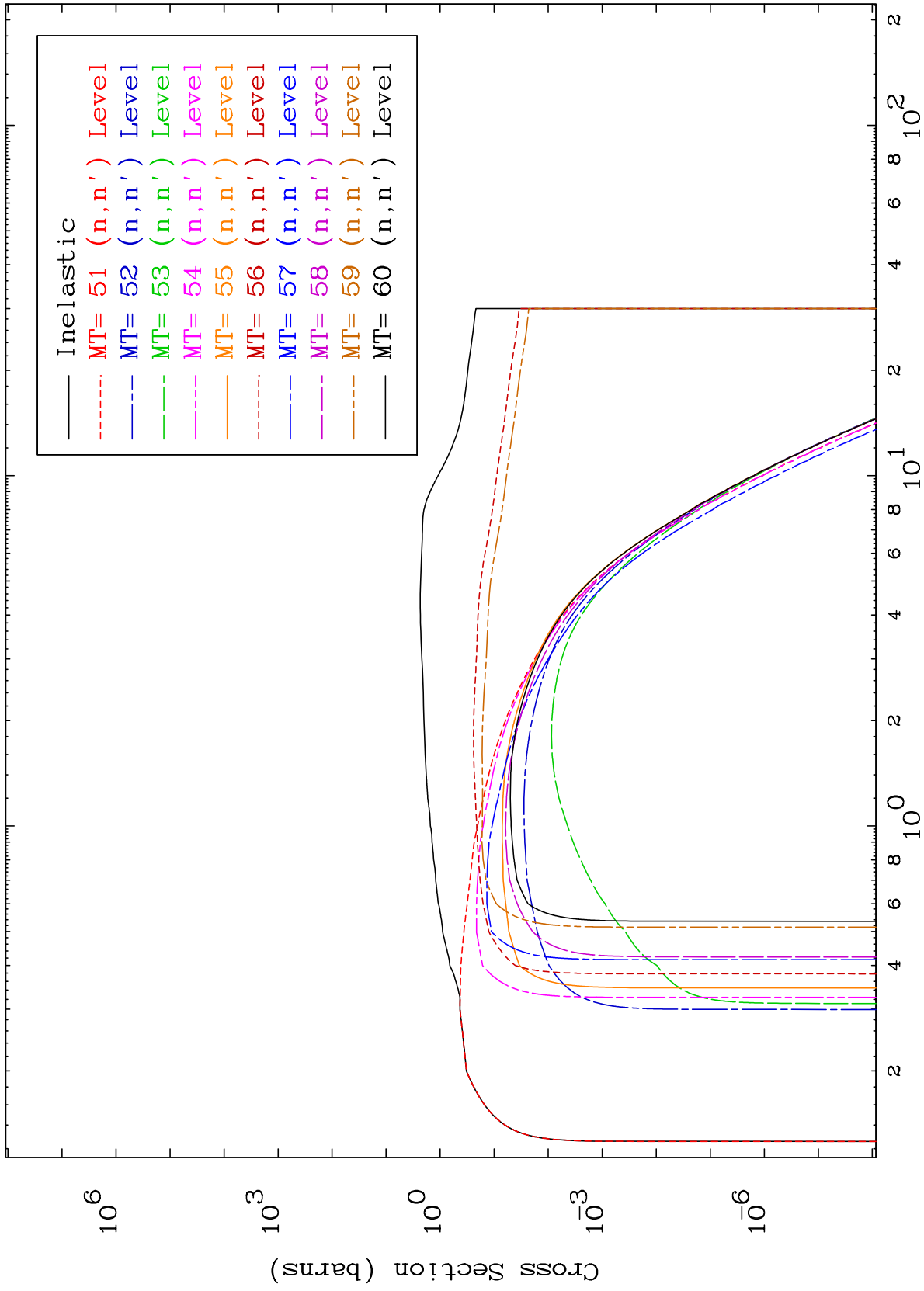
54-Xe-127



6

54-Xe-127

293 Kelvin Cross Sections

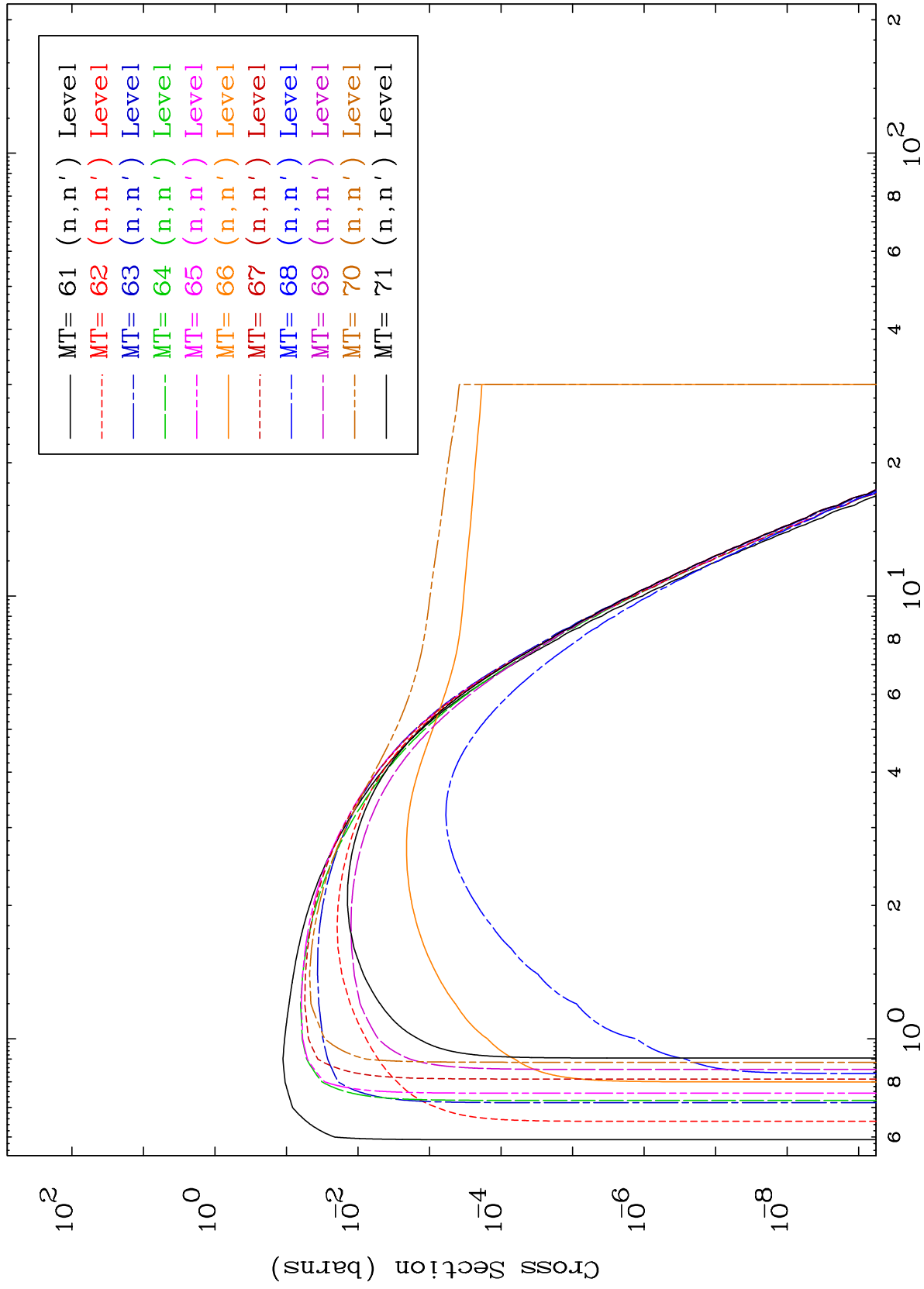


MAT 5434

(n,n') Level

54-Xe-127

293 Kelvin Cross Sections



8

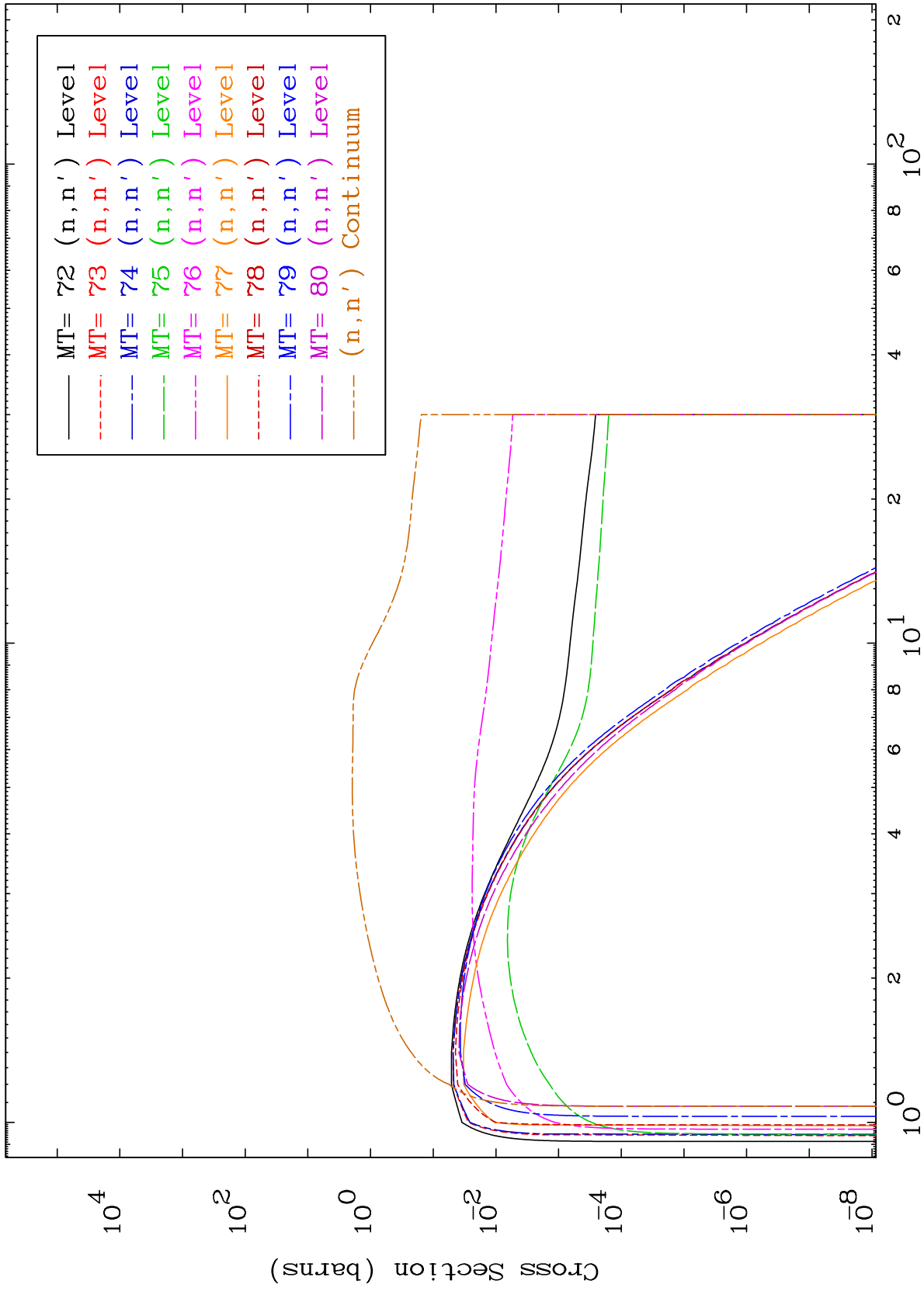
Incident Energy (MeV)

54-Xe-127

MAT 5434

(n,n') Level
293 Kelvin Cross Sections

54-Xe-127



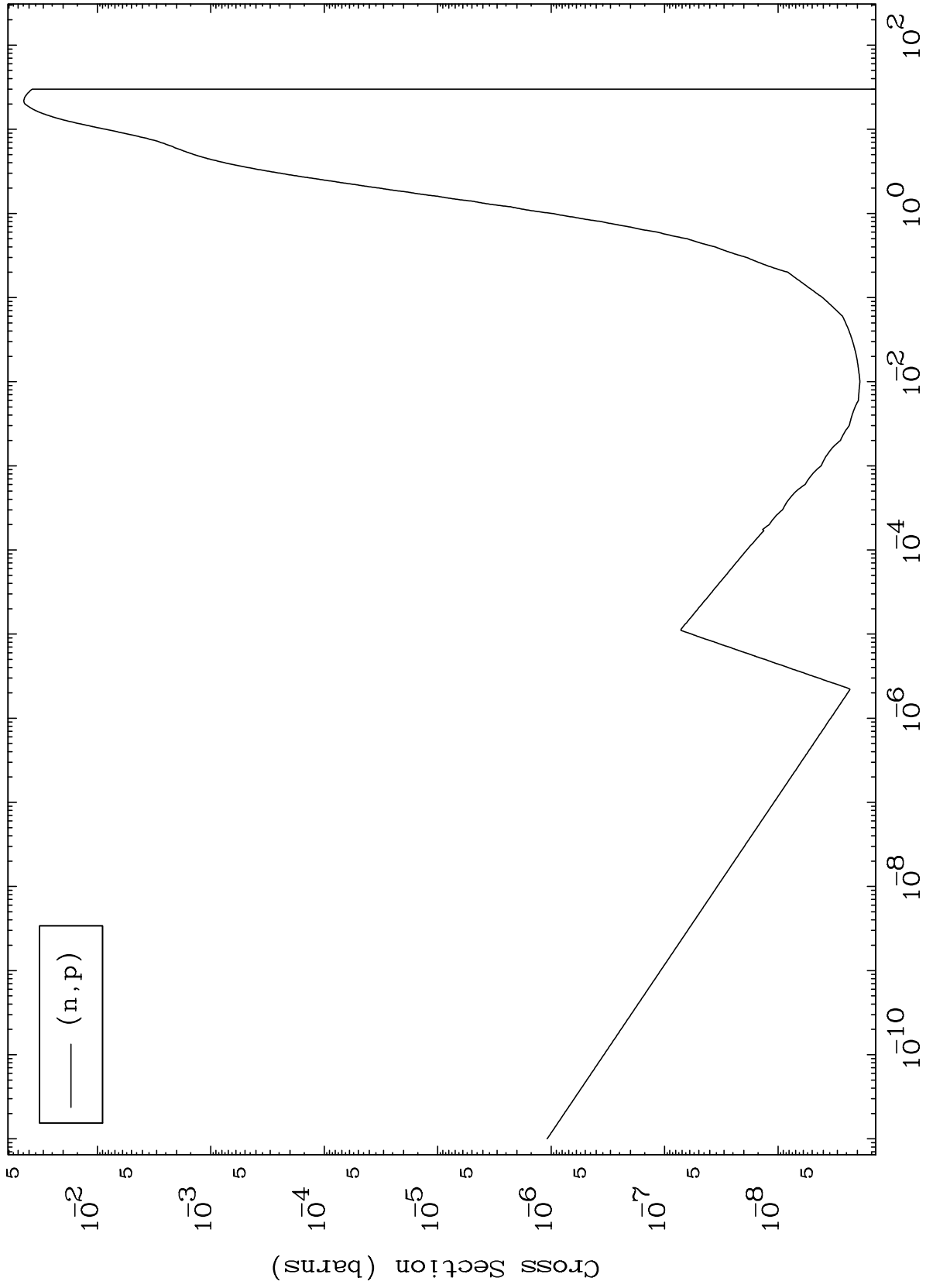
Incident Energy (MeV)

54-Xe-127

MAT 5434

(n,p) Levels
293 Kelvin Cross Sections

54-Xe-127



10

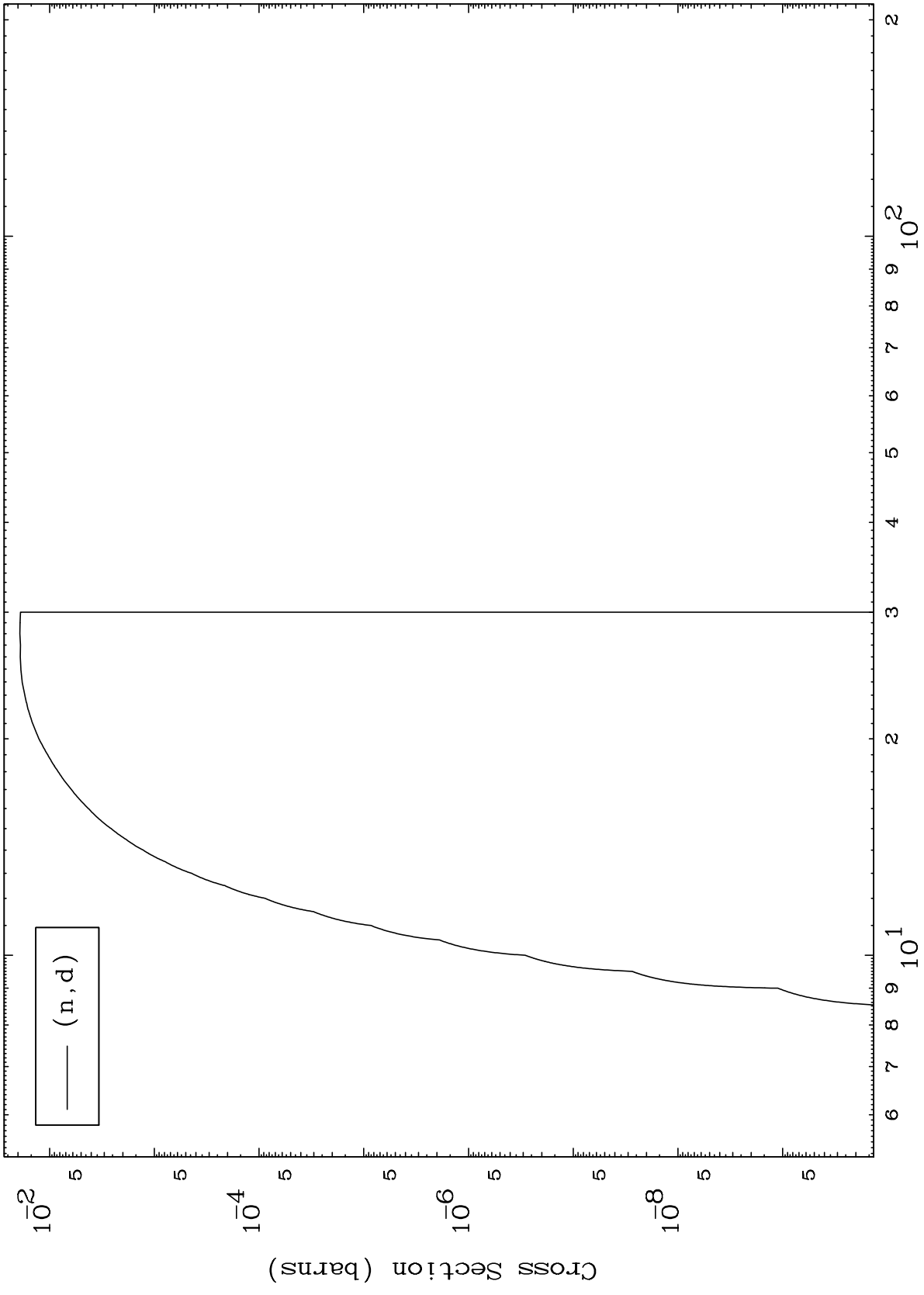
Incident Energy (MeV)

54-Xe-127

MAT 5434

(n,d) Levels
293 Kelvin Cross Sections

54-Xe-127



11

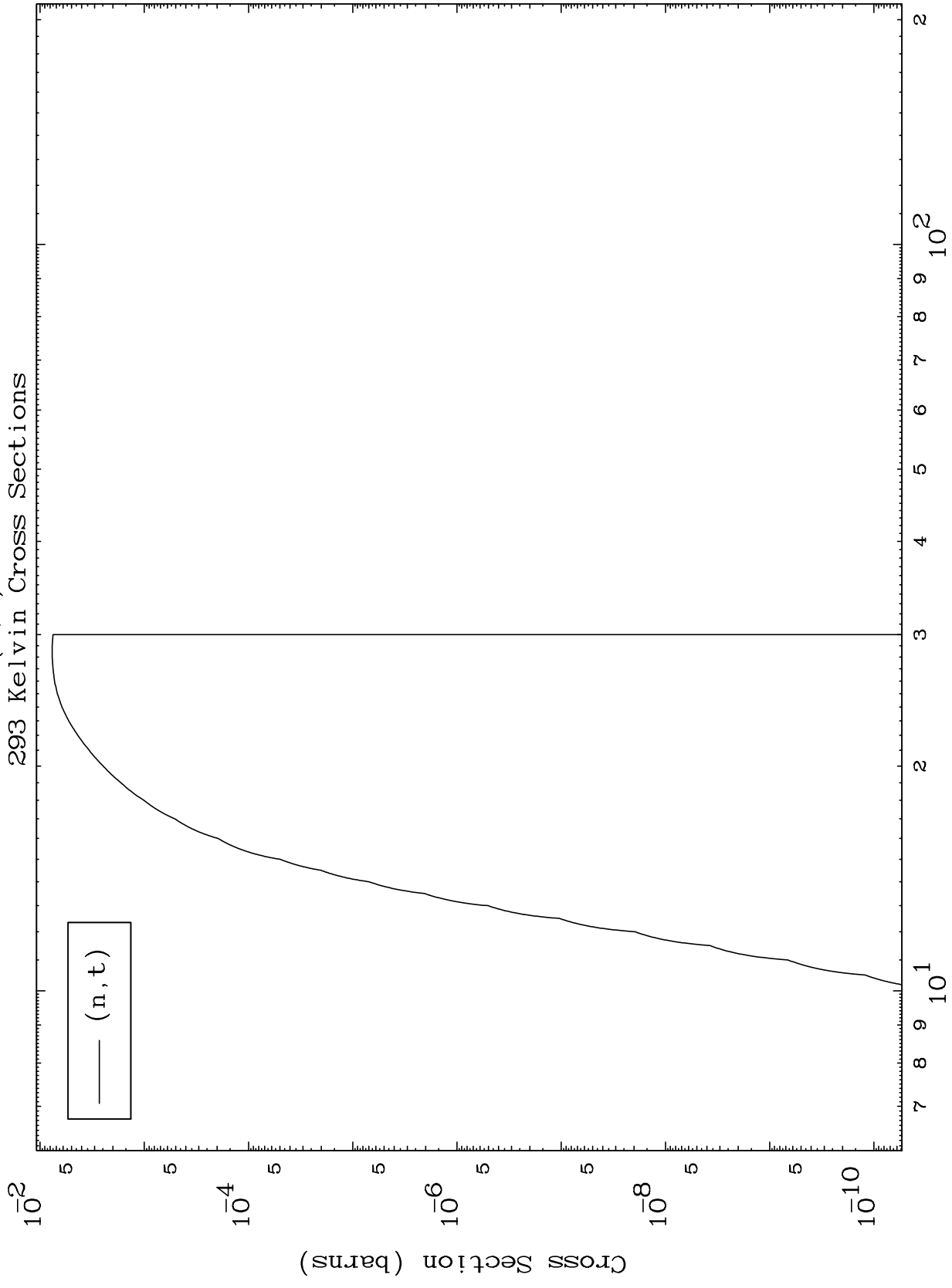
Incident Energy (MeV)

54-Xe-127

MAT 5434

(n,t) Levels
293 Kelvin Cross Sections

54-Xe-127



12

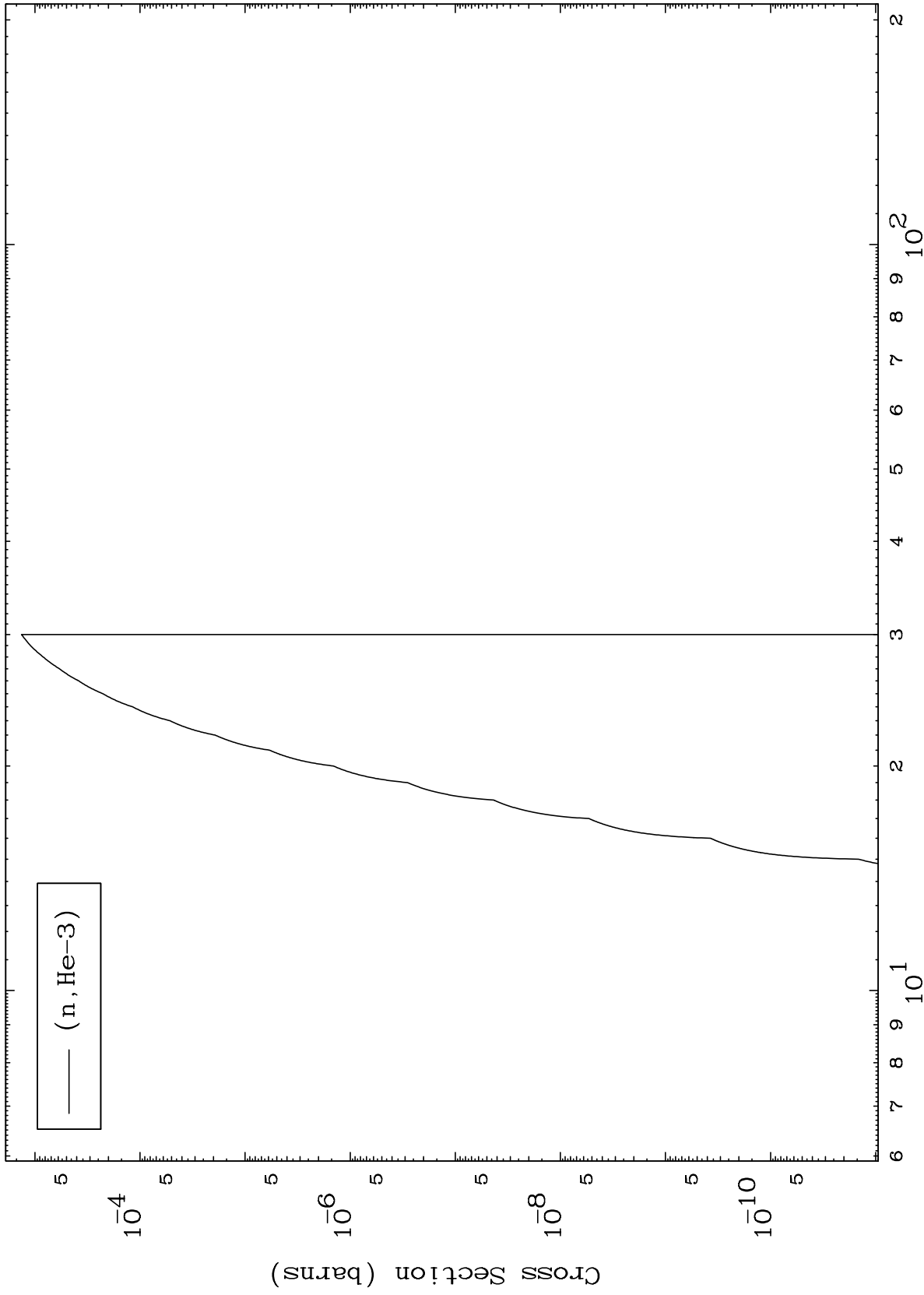
Incident Energy (MeV)

54-Xe-127

MAT 5434

(n,He3) Levels
293 Kelvin Cross Sections

54-Xe-127



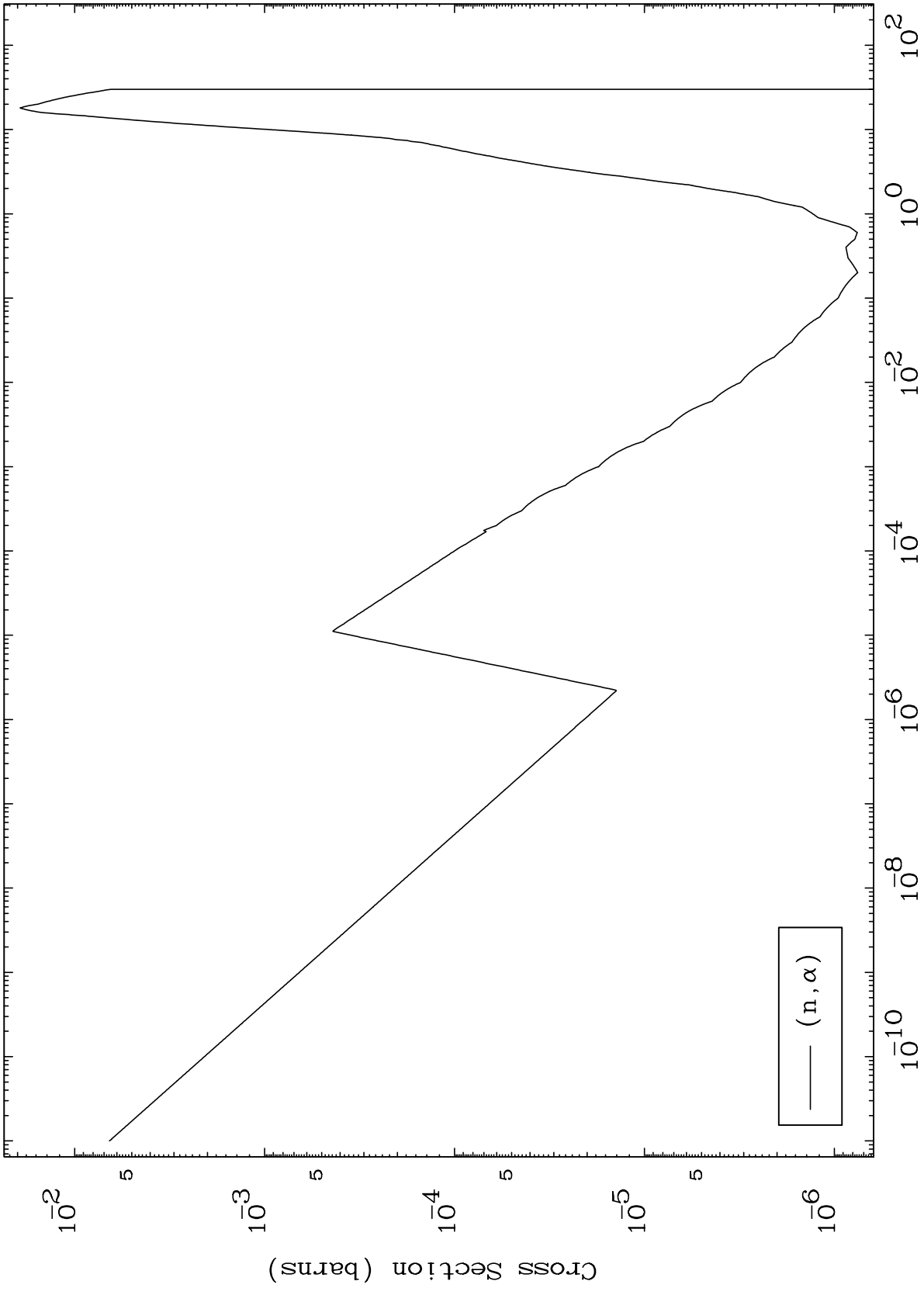
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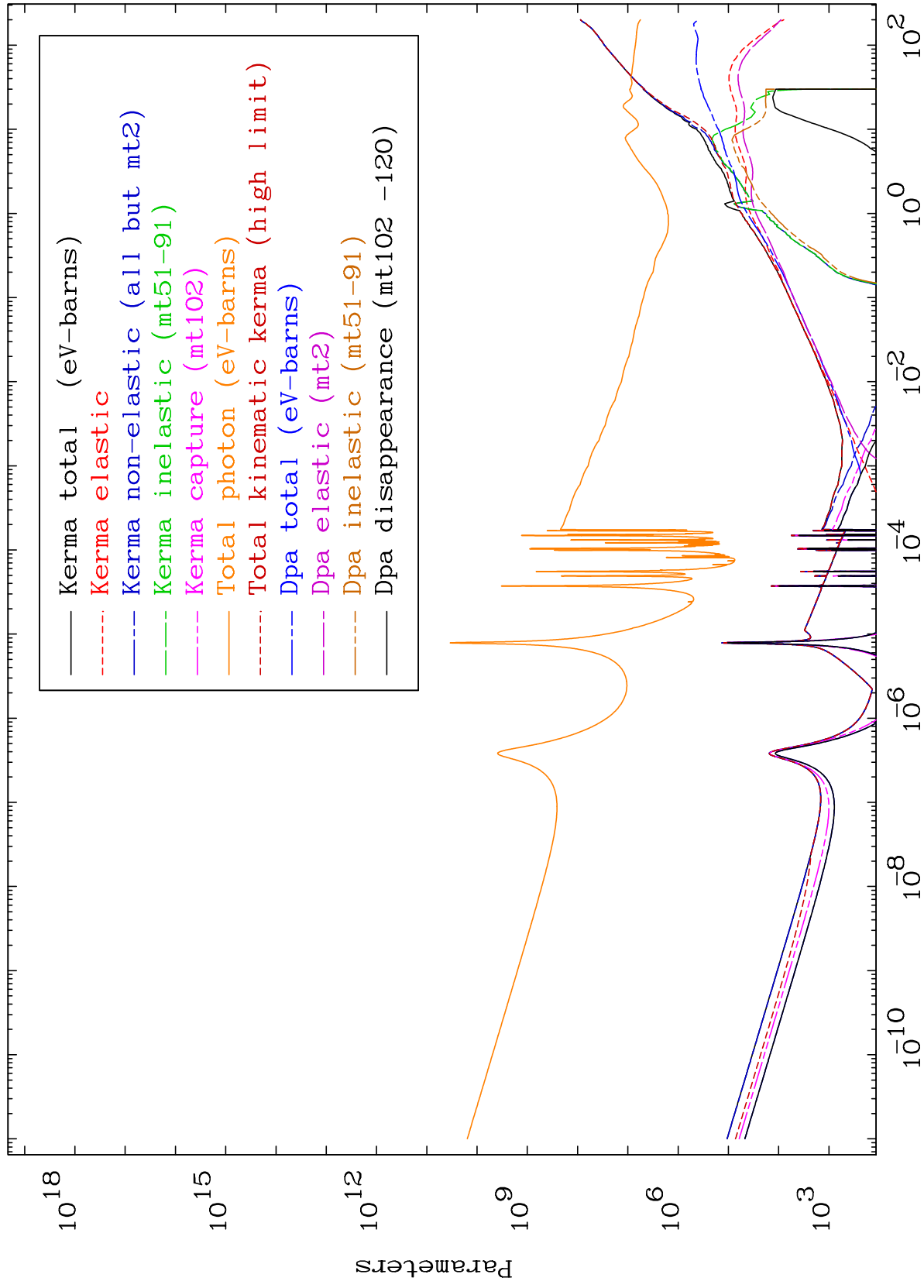
54-Xe-127

MAT 5434

(n,α) Levels
293 Kelvin Cross Sections

54-Xe-127

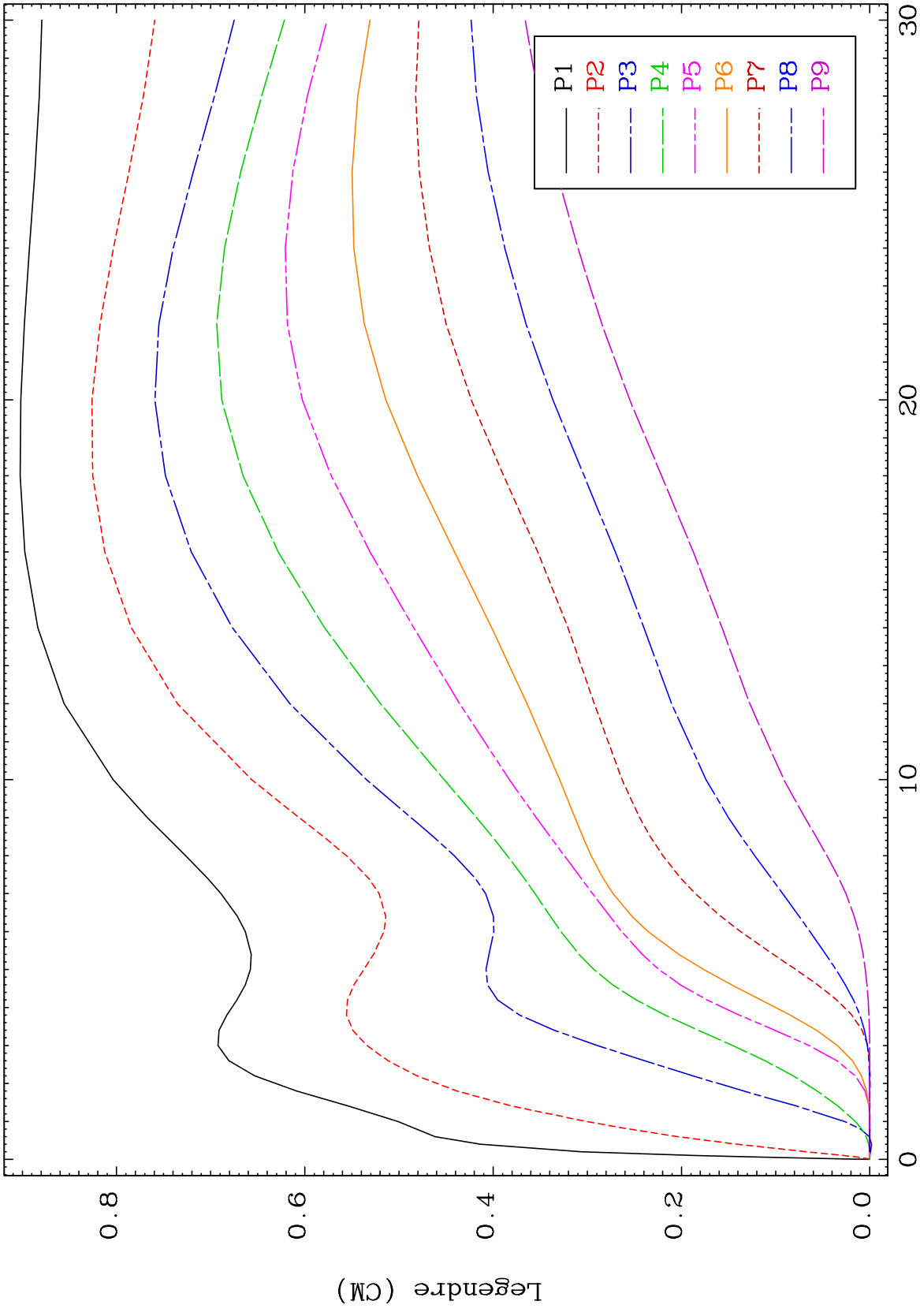




MAT 5434

Elastic Legendre Coefficients

54-Xe-127



16

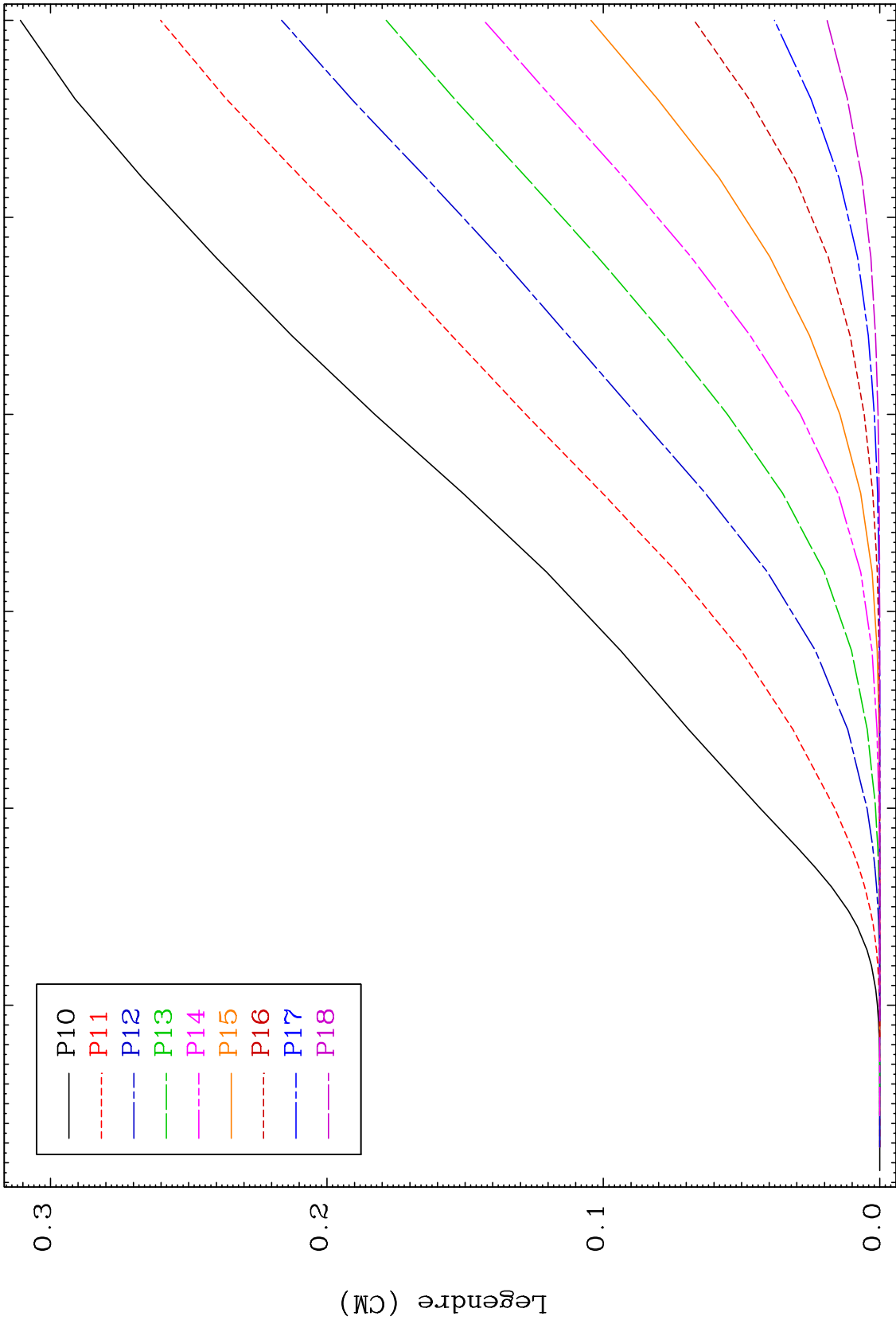
Incident Energy (MeV)

54-Xe-127

MAT 5434

Elastic Legendre Coefficients

54-Xe-127



17

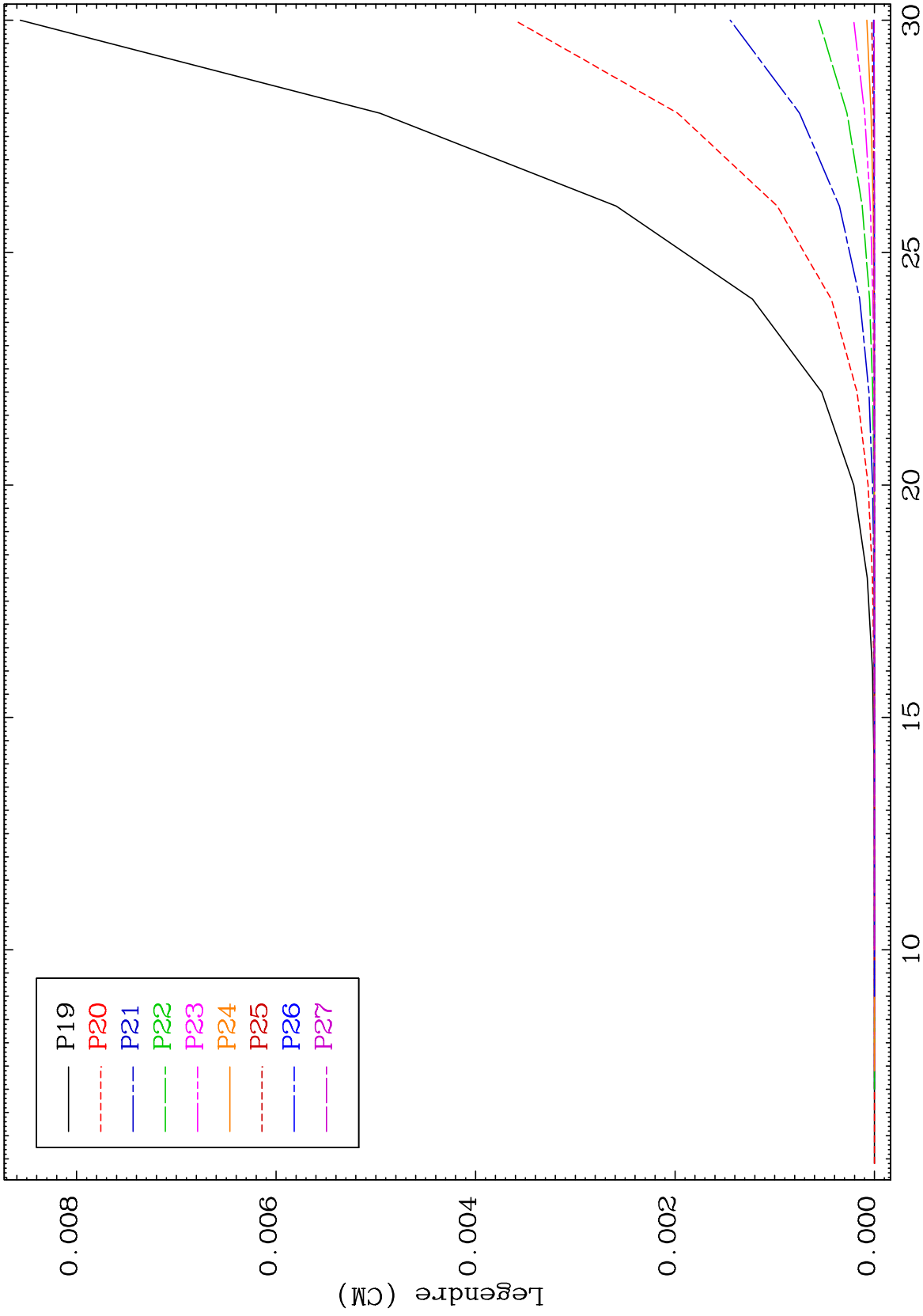
Incident Energy (MeV)

54-Xe-127

MAT 5434

Elastic
Legendre Coefficients

54-Xe-127



18

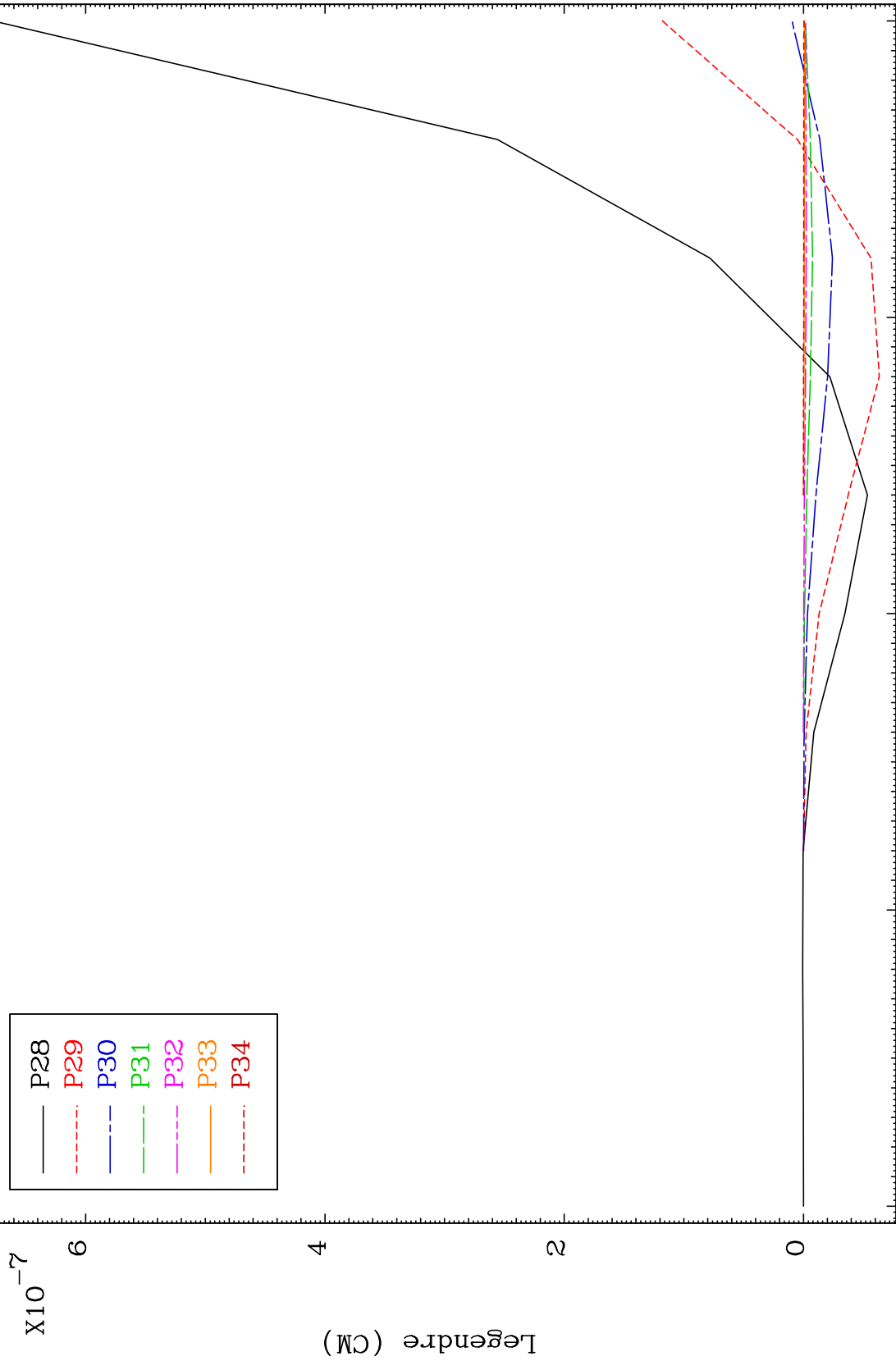
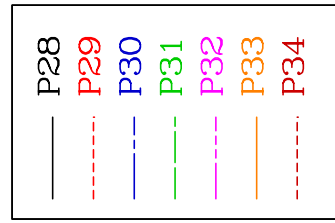
Incident Energy (MeV)

54-Xe-127

MAT 5434

Elastic Legendre Coefficients

54-Xe-127



19

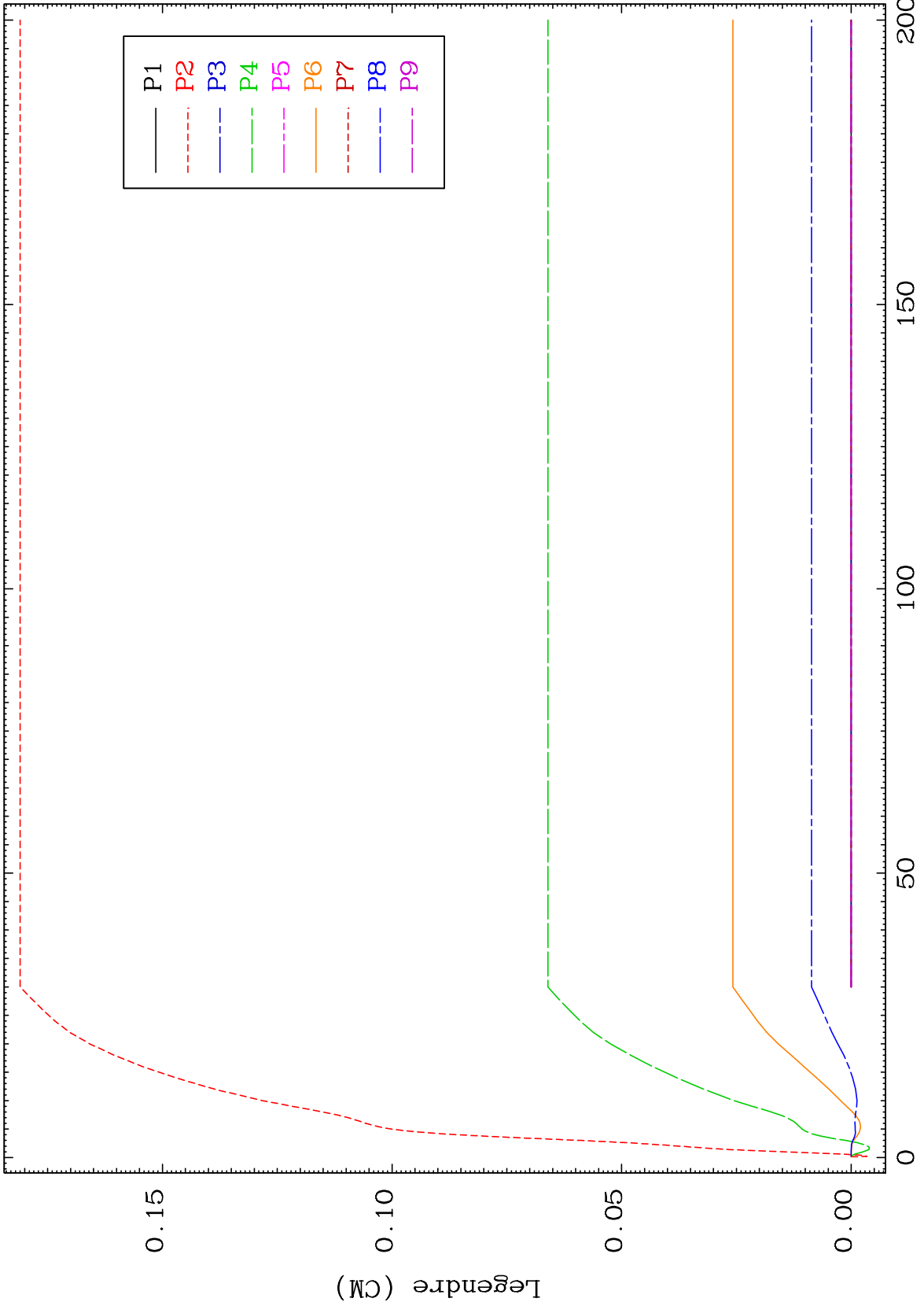
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



20

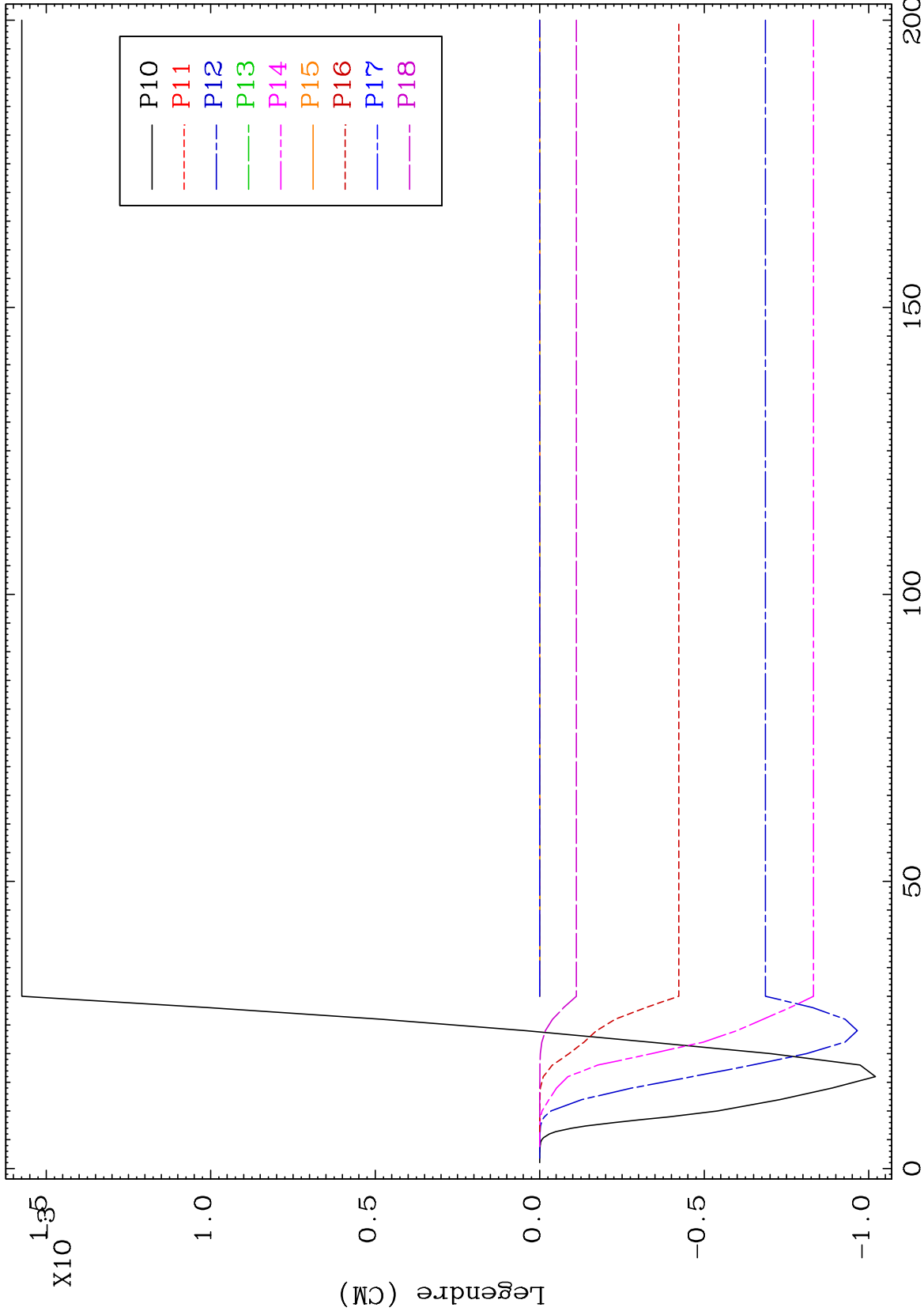
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



21

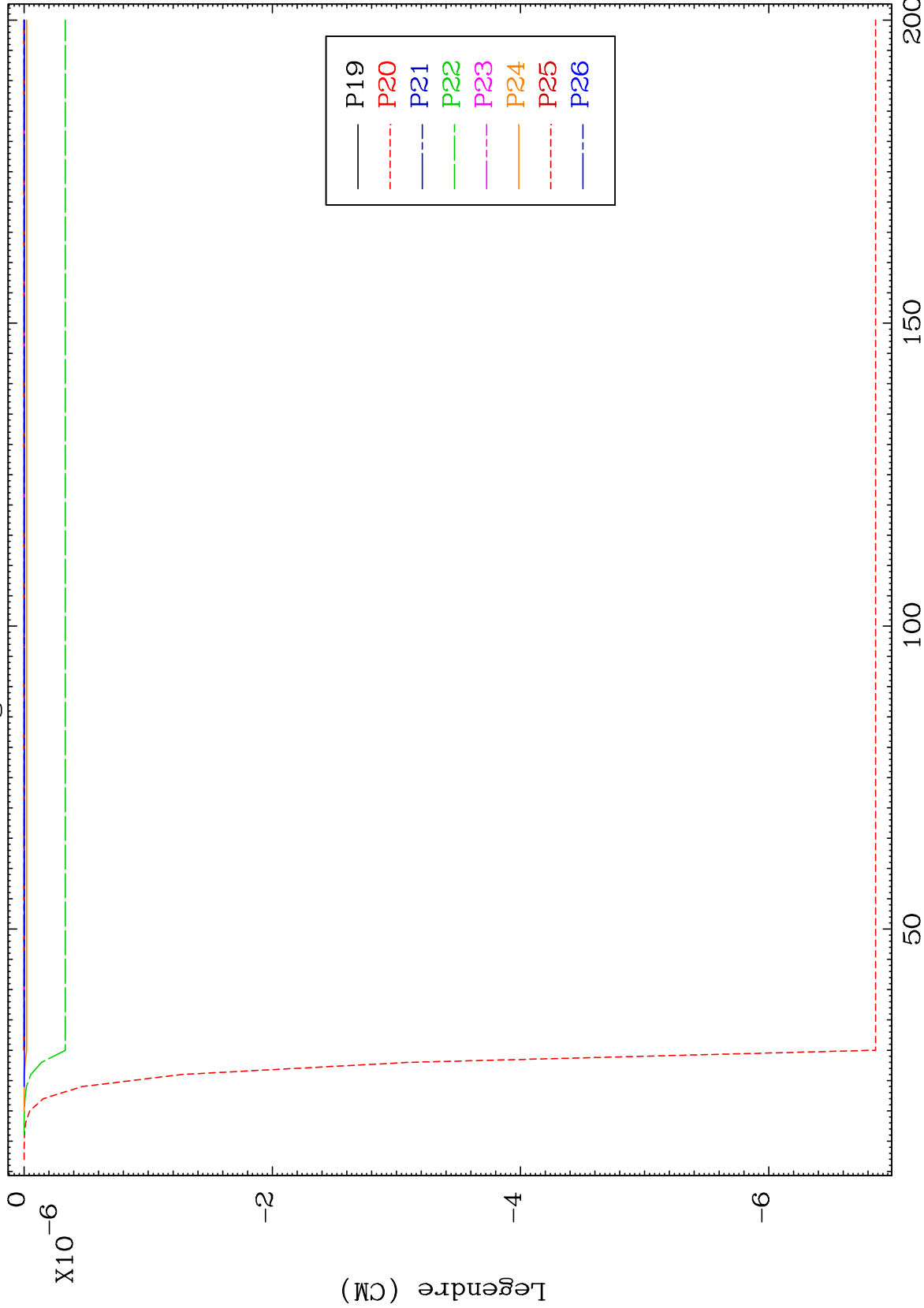
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



22

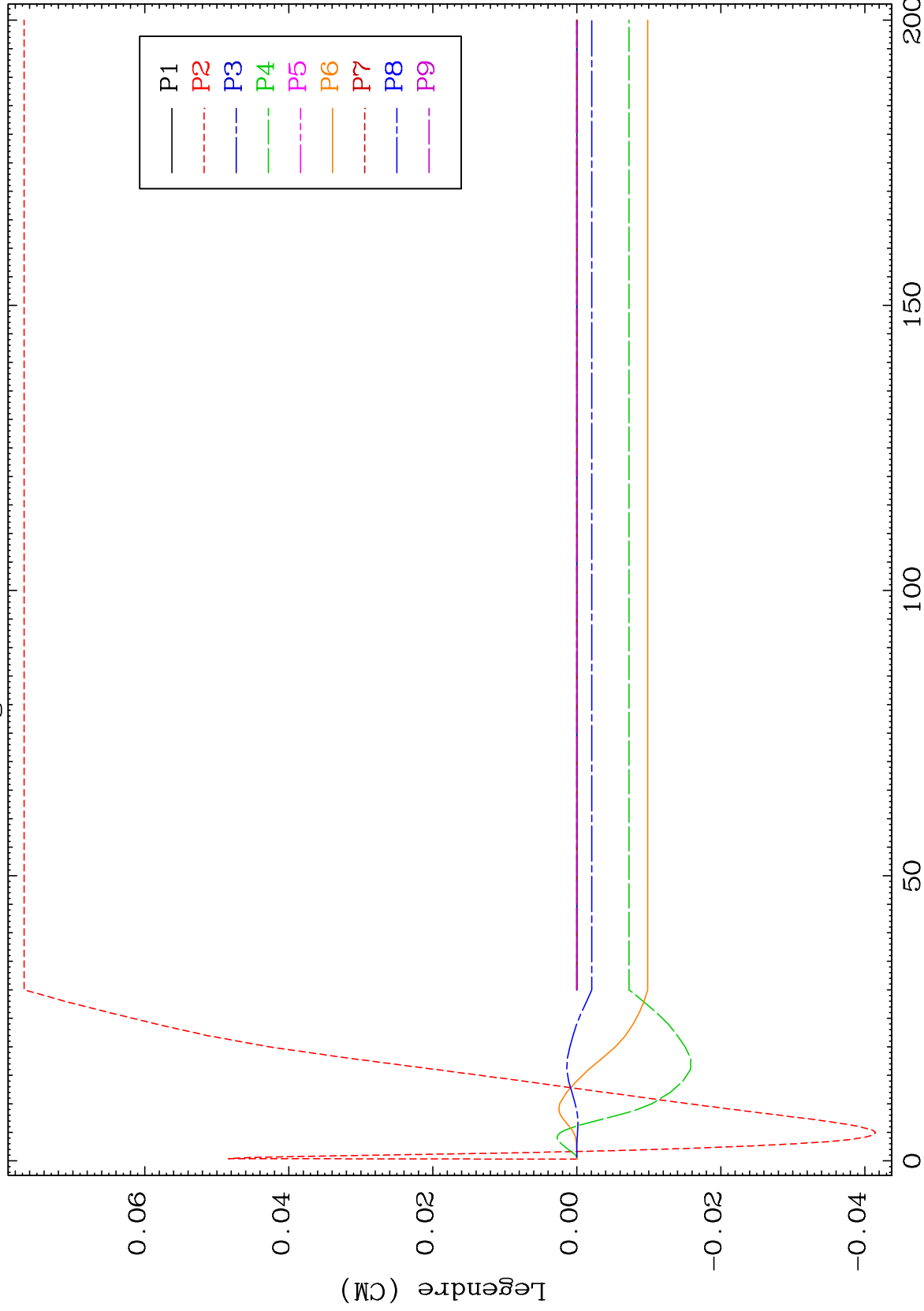
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



23

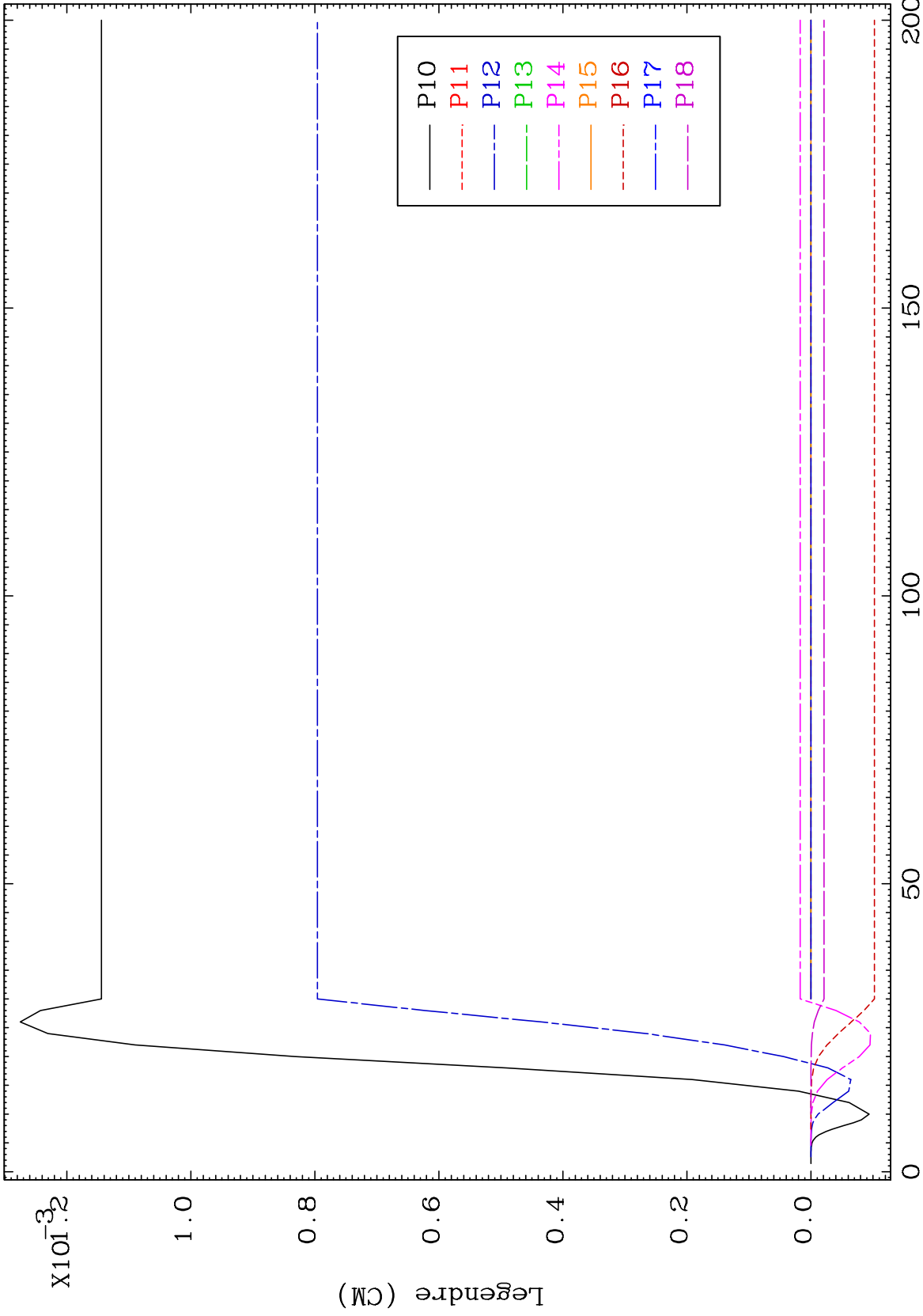
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



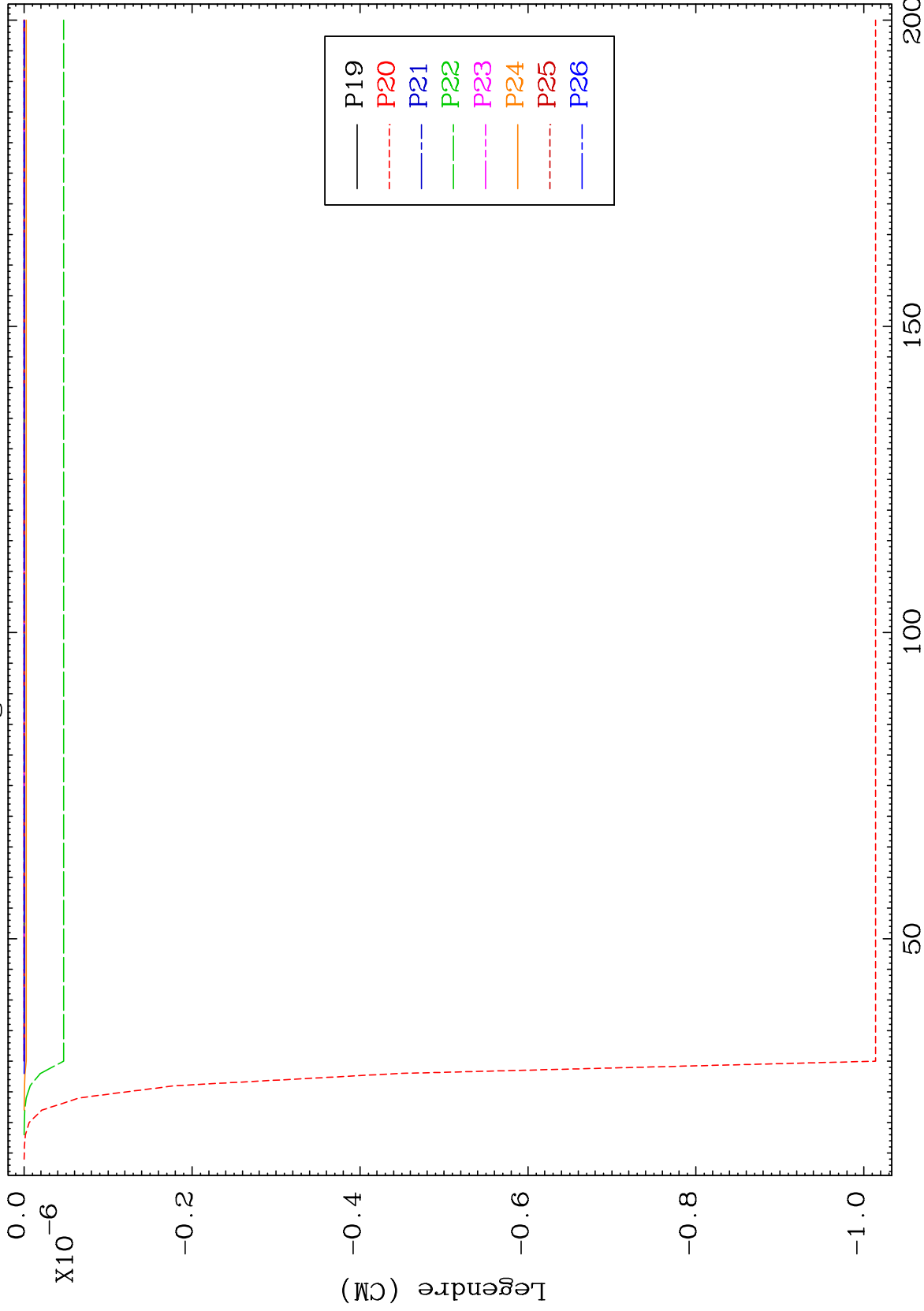
24

54-Xe-127

MAT 5434

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

54-Xe-127

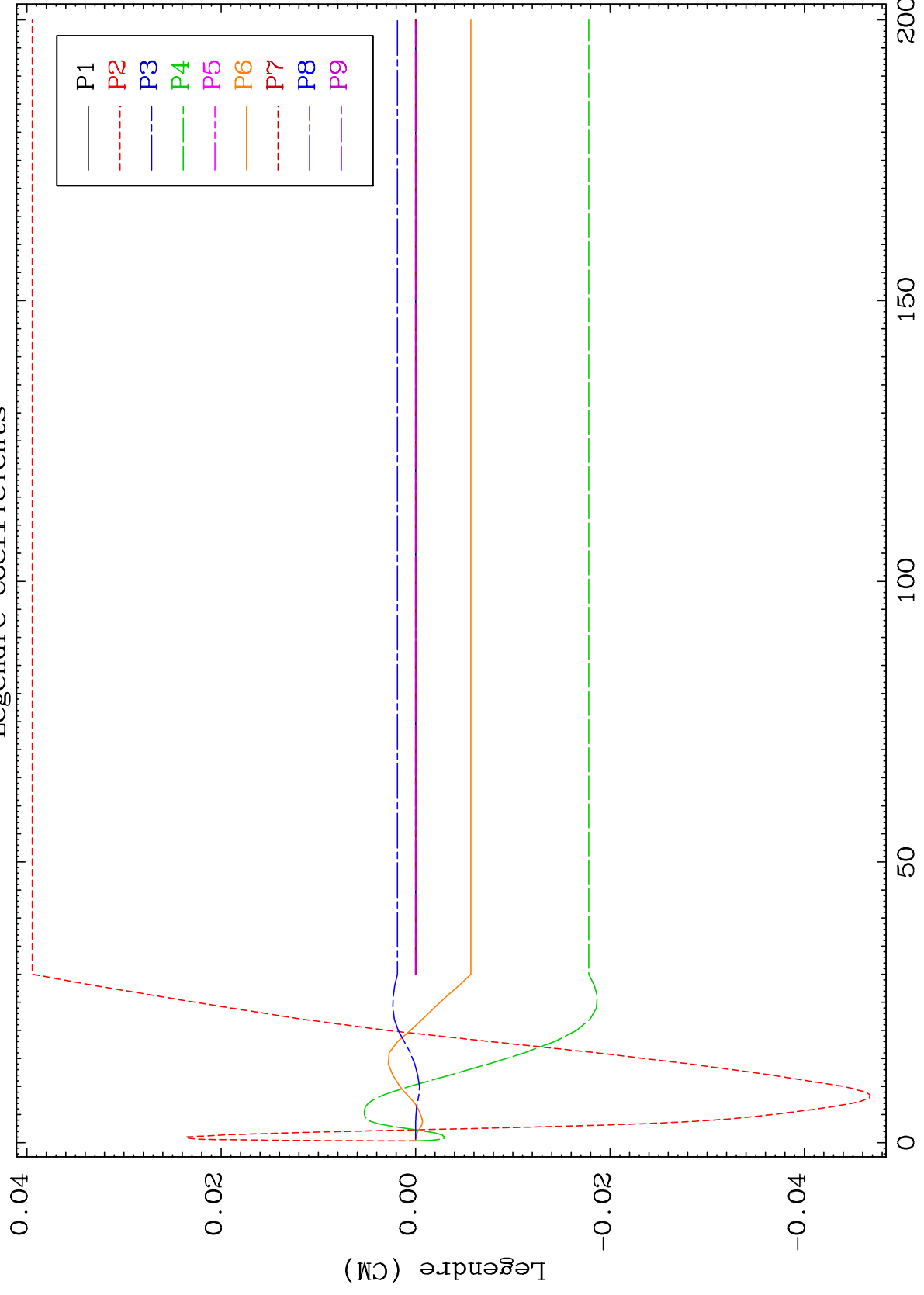


25

Incident Energy (MeV)

54-Xe-127

MAT 5434 MT= 53 (n,n') Level Legendre Coefficients 54-Xe-127

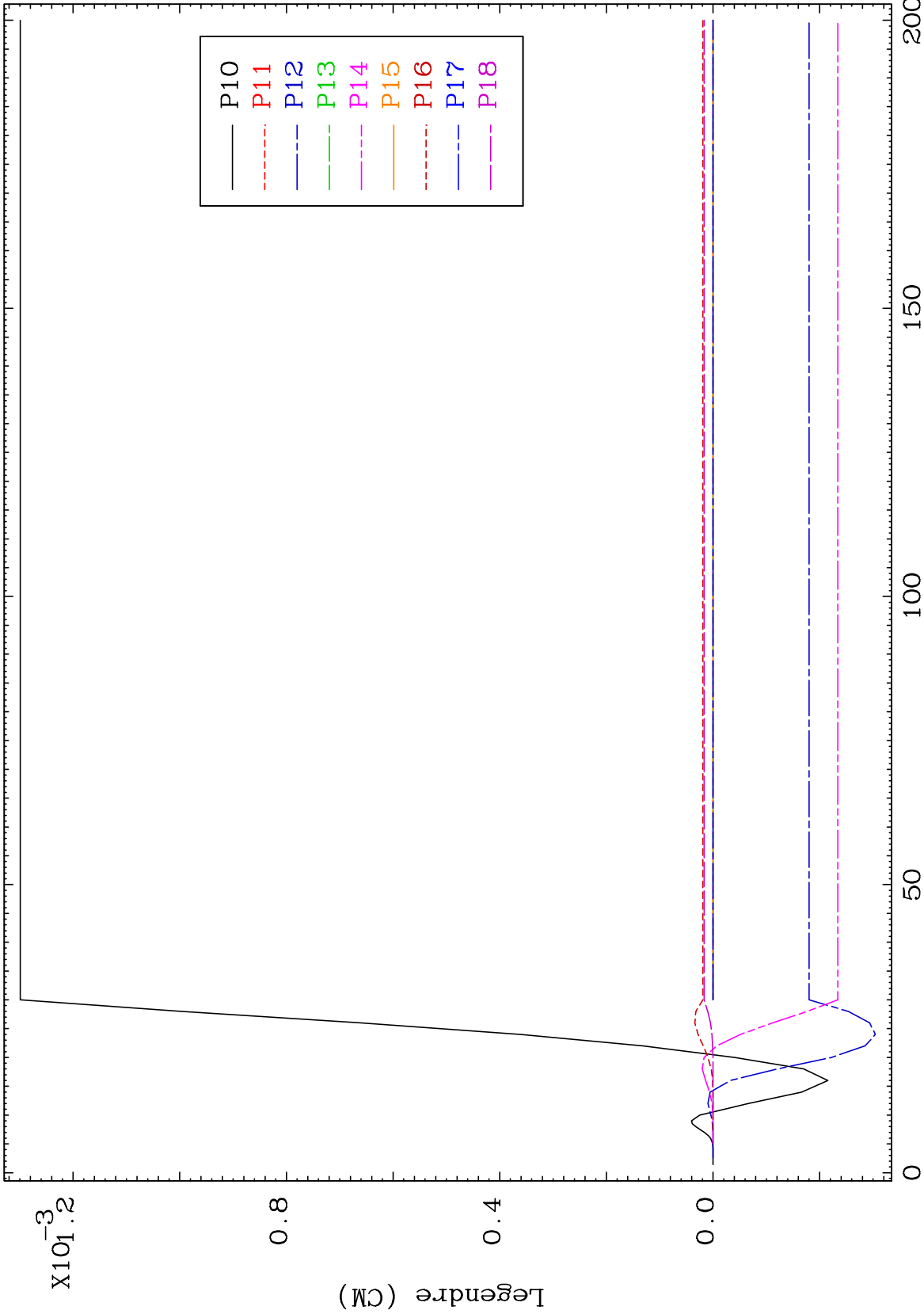


26 54-Xe-127

MAT 5434

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

54-Xe-127



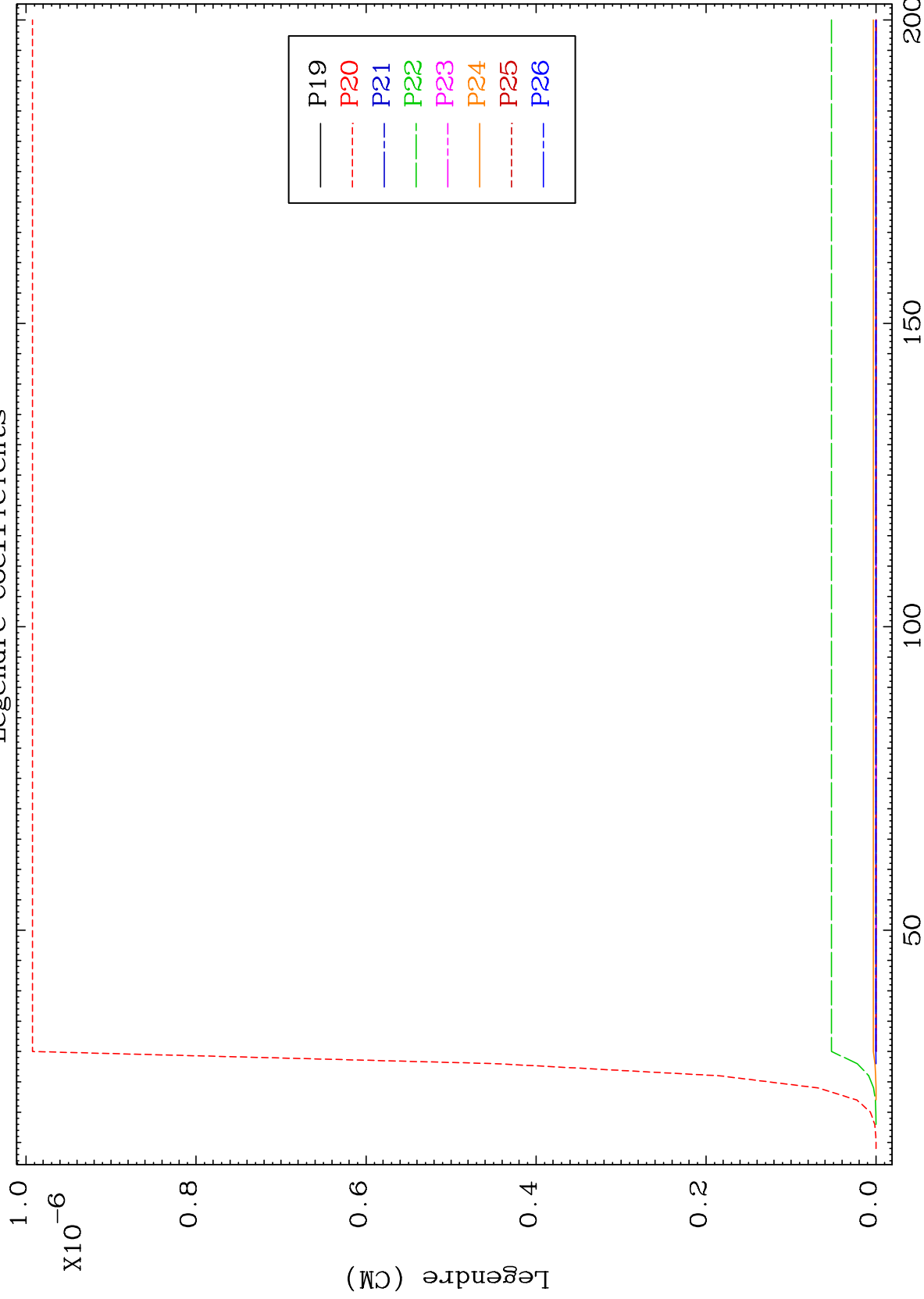
27

54-Xe-127

MAT 5434

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

54-Xe-127



28

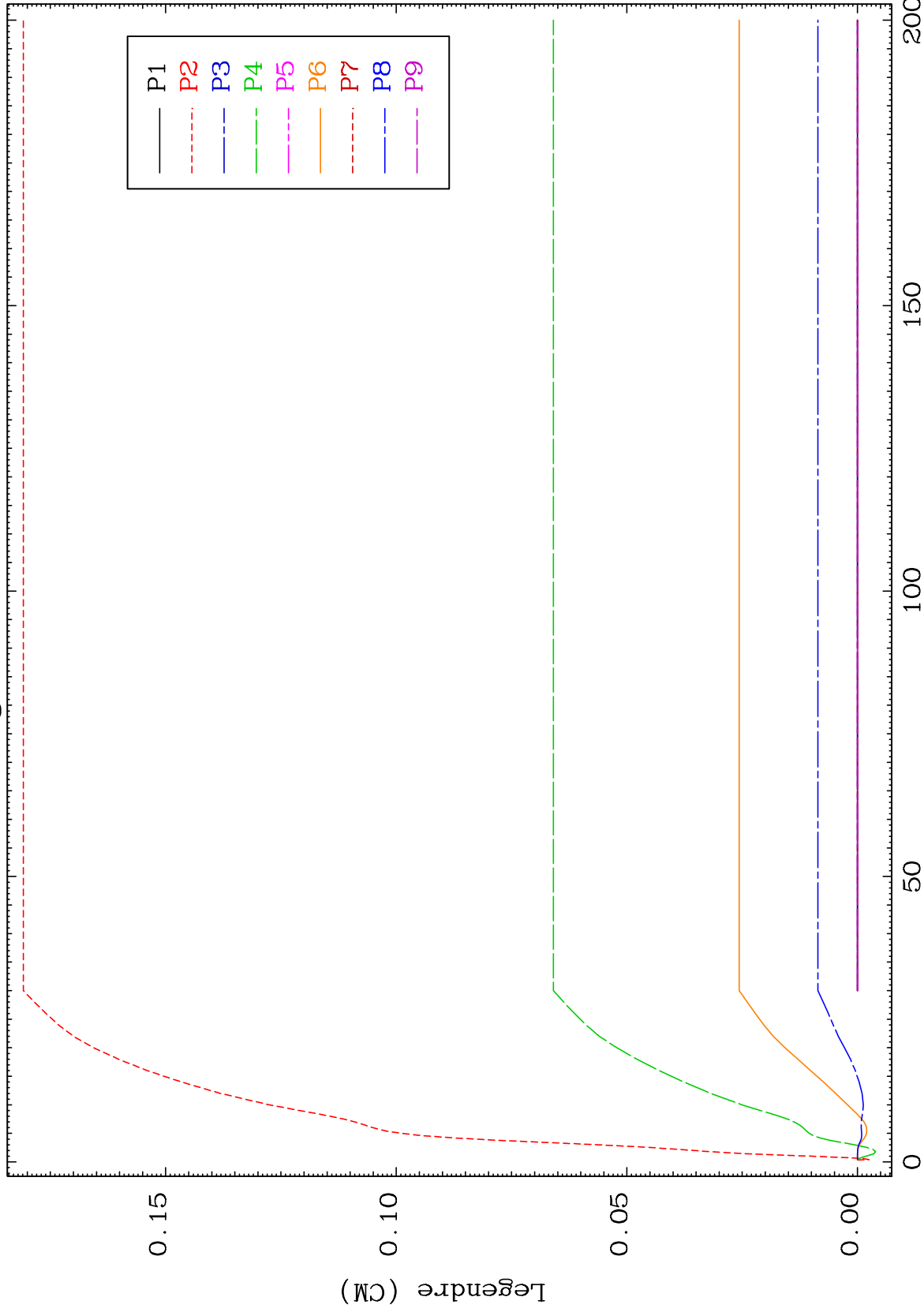
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



29

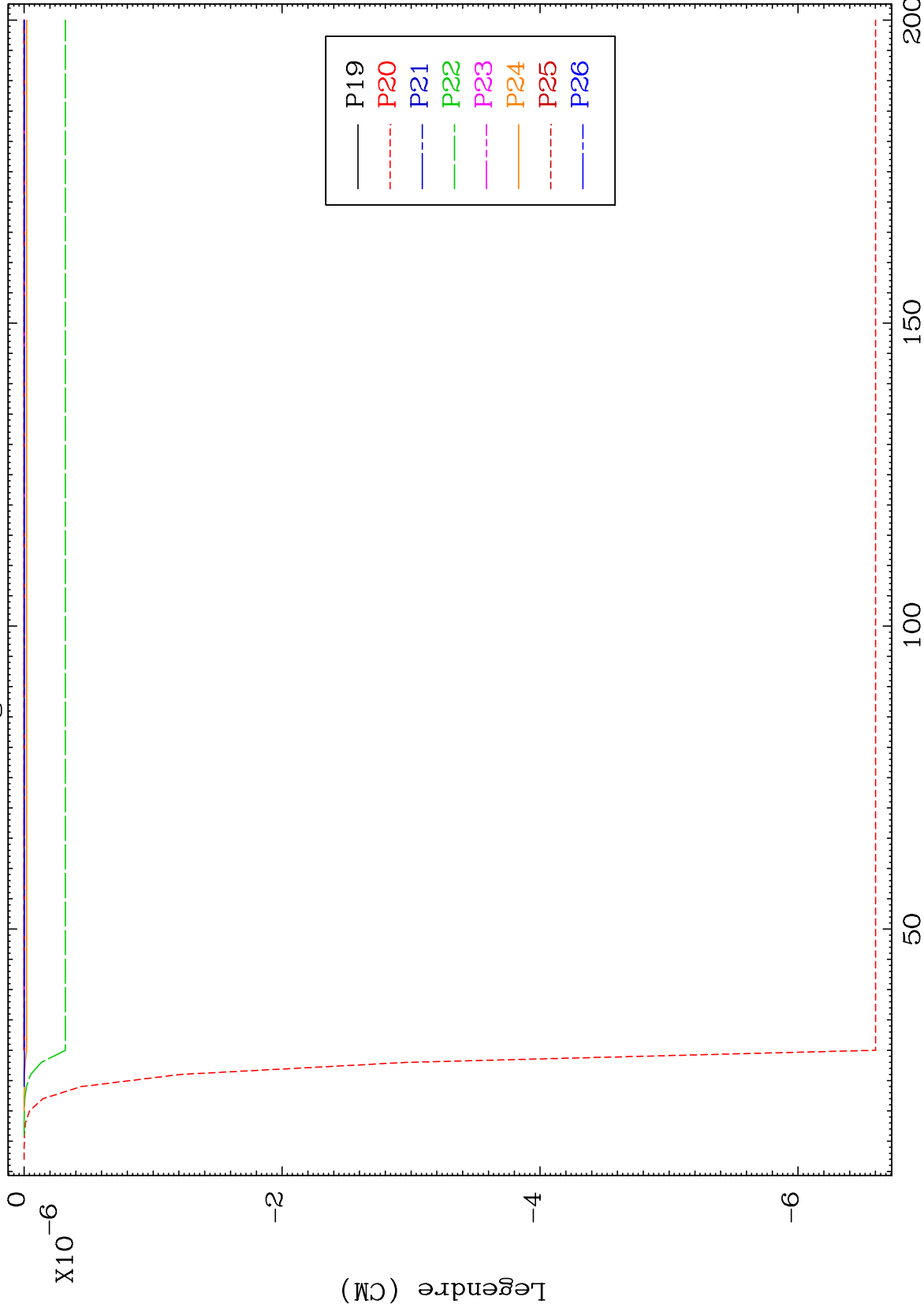
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



31

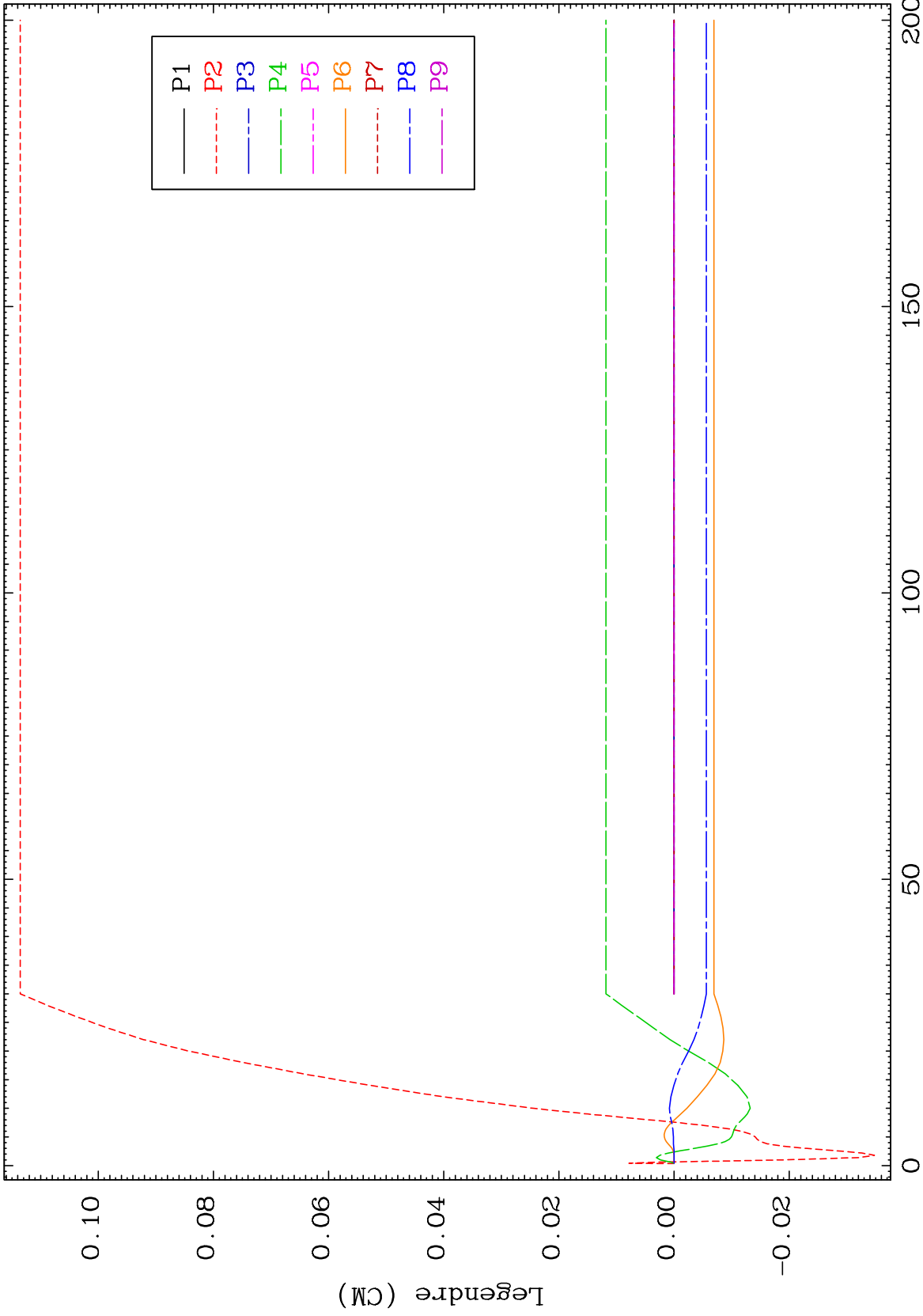
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



32

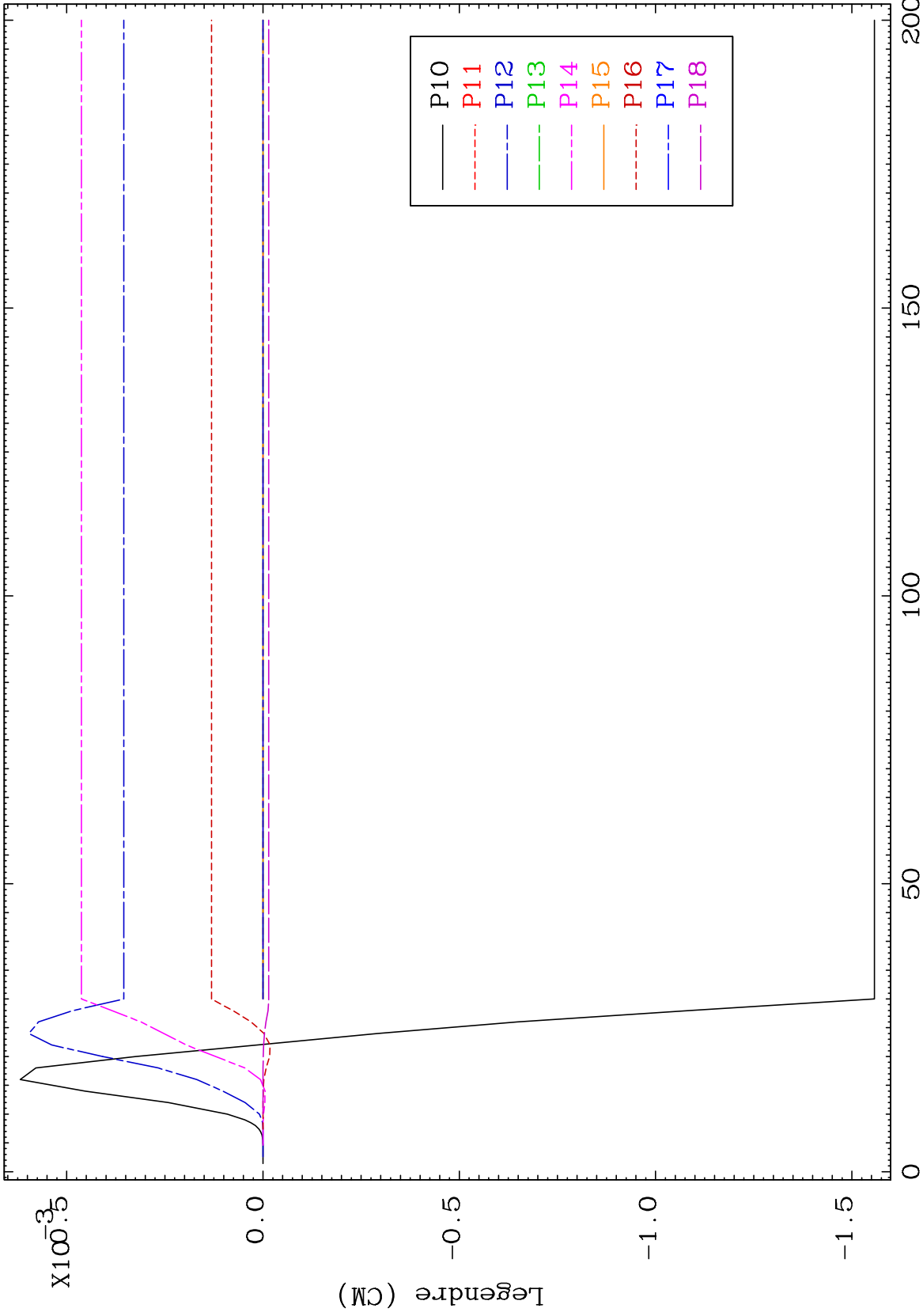
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



33

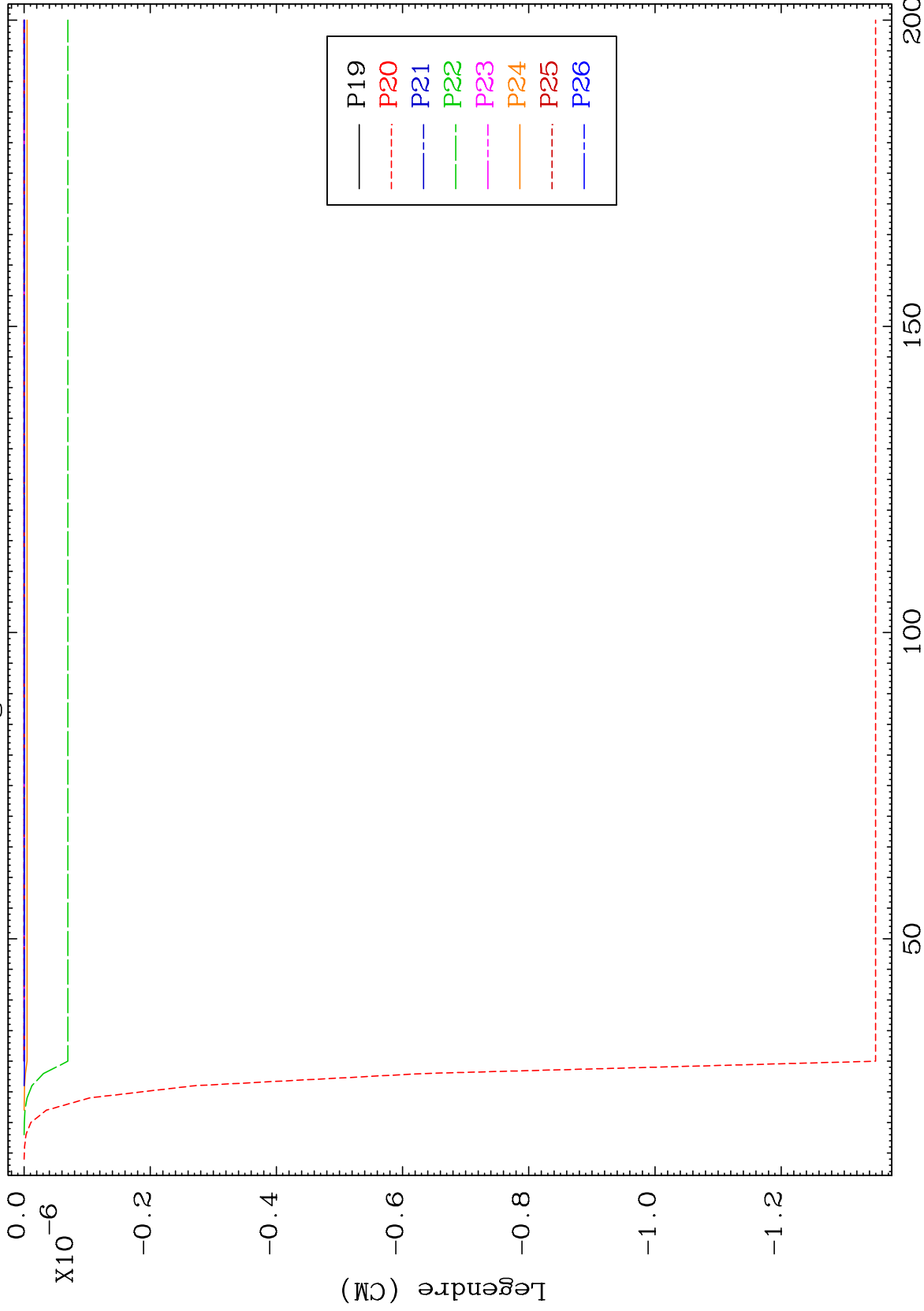
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



34

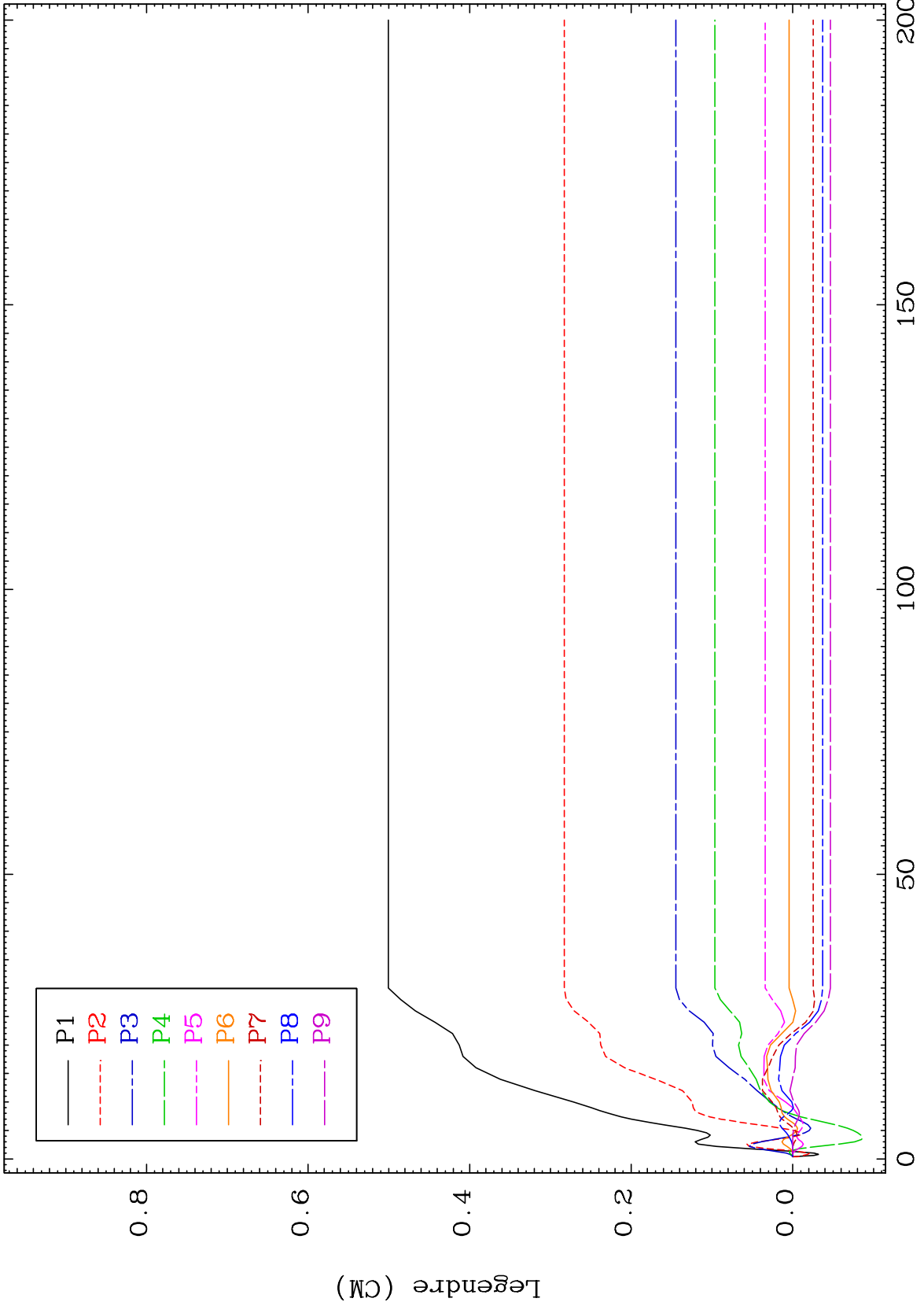
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



54-Xe-127

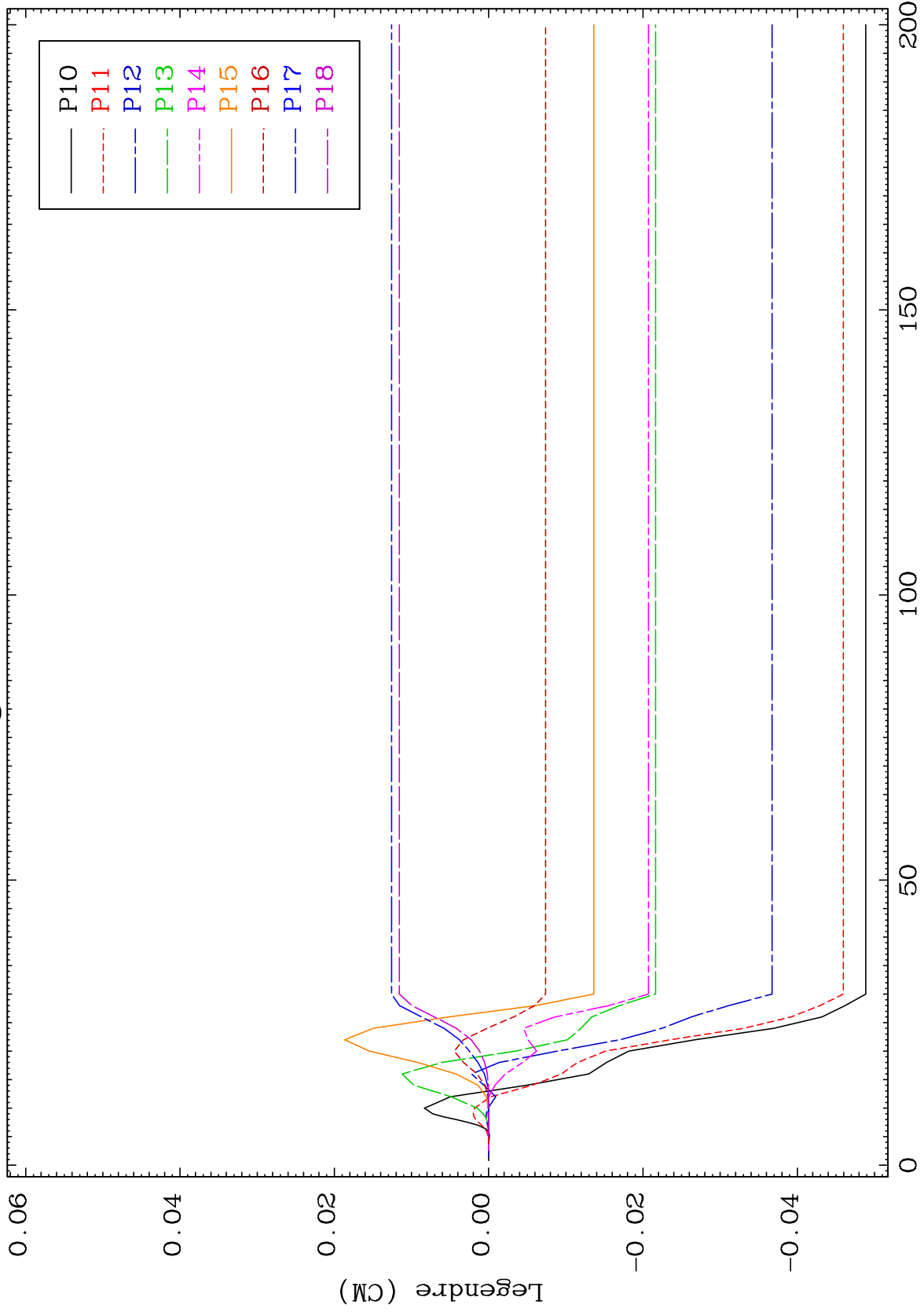
Incident Energy (MeV)

35

MAT 5434

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

54-Xe-127



36

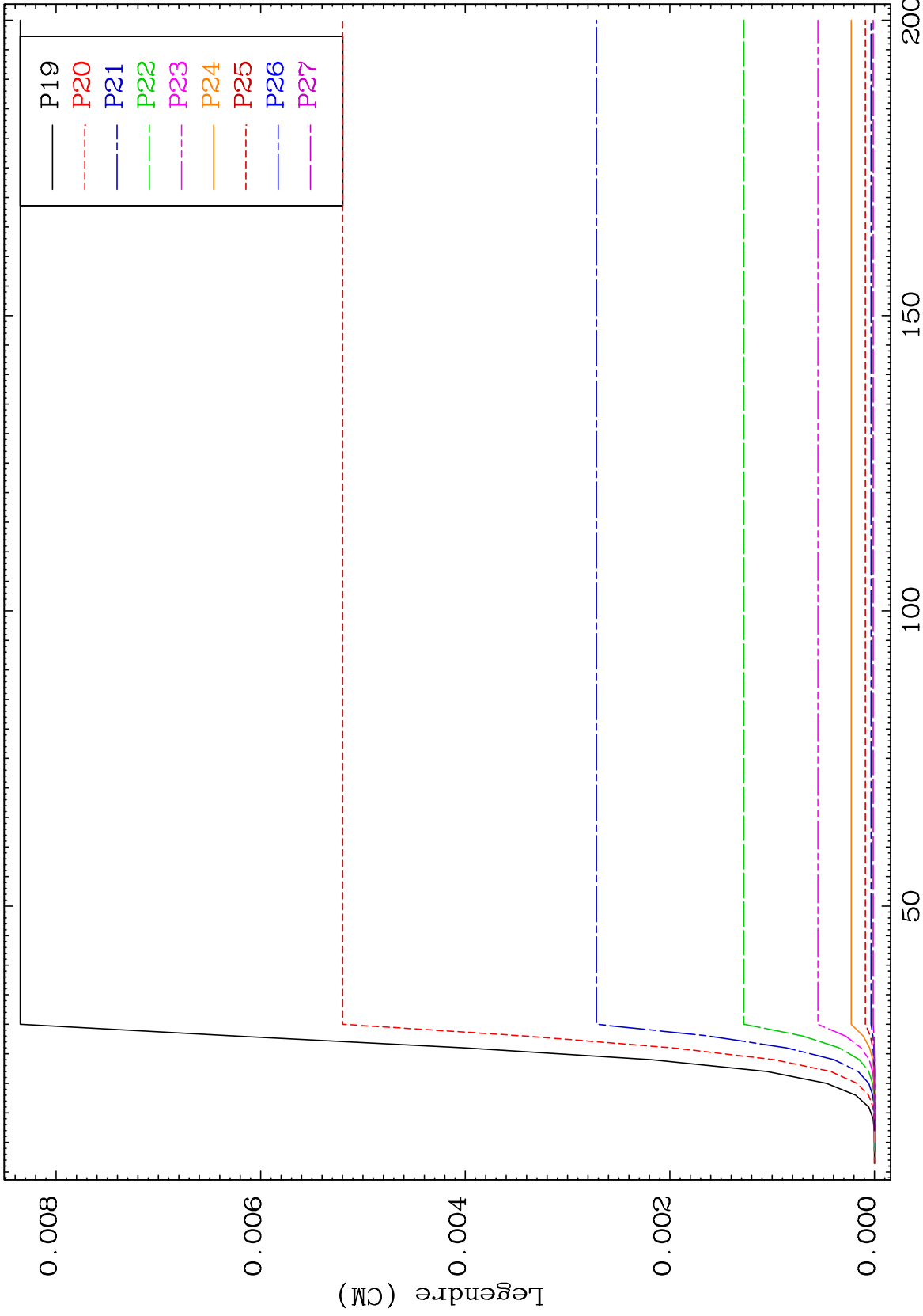
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



37

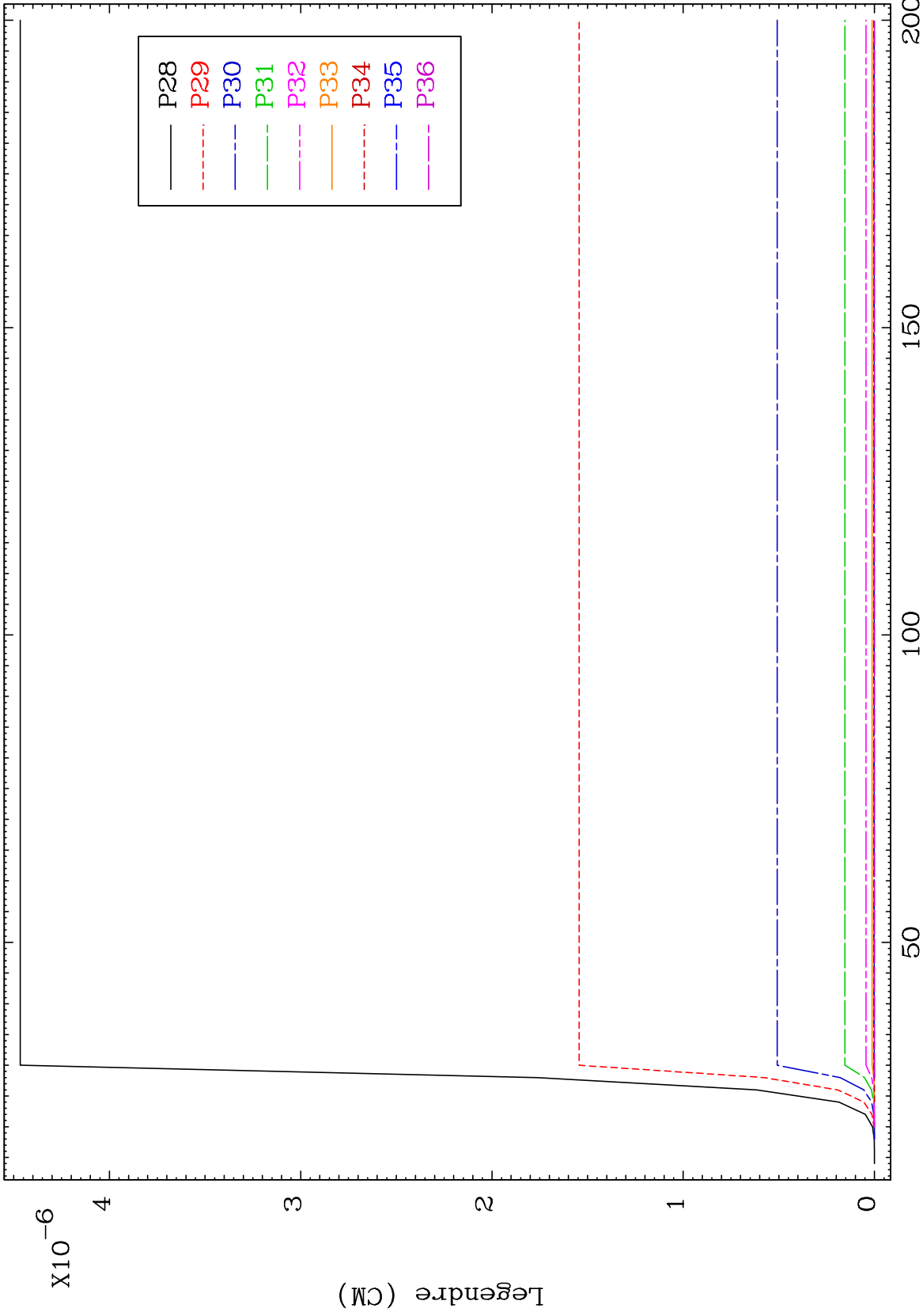
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



38

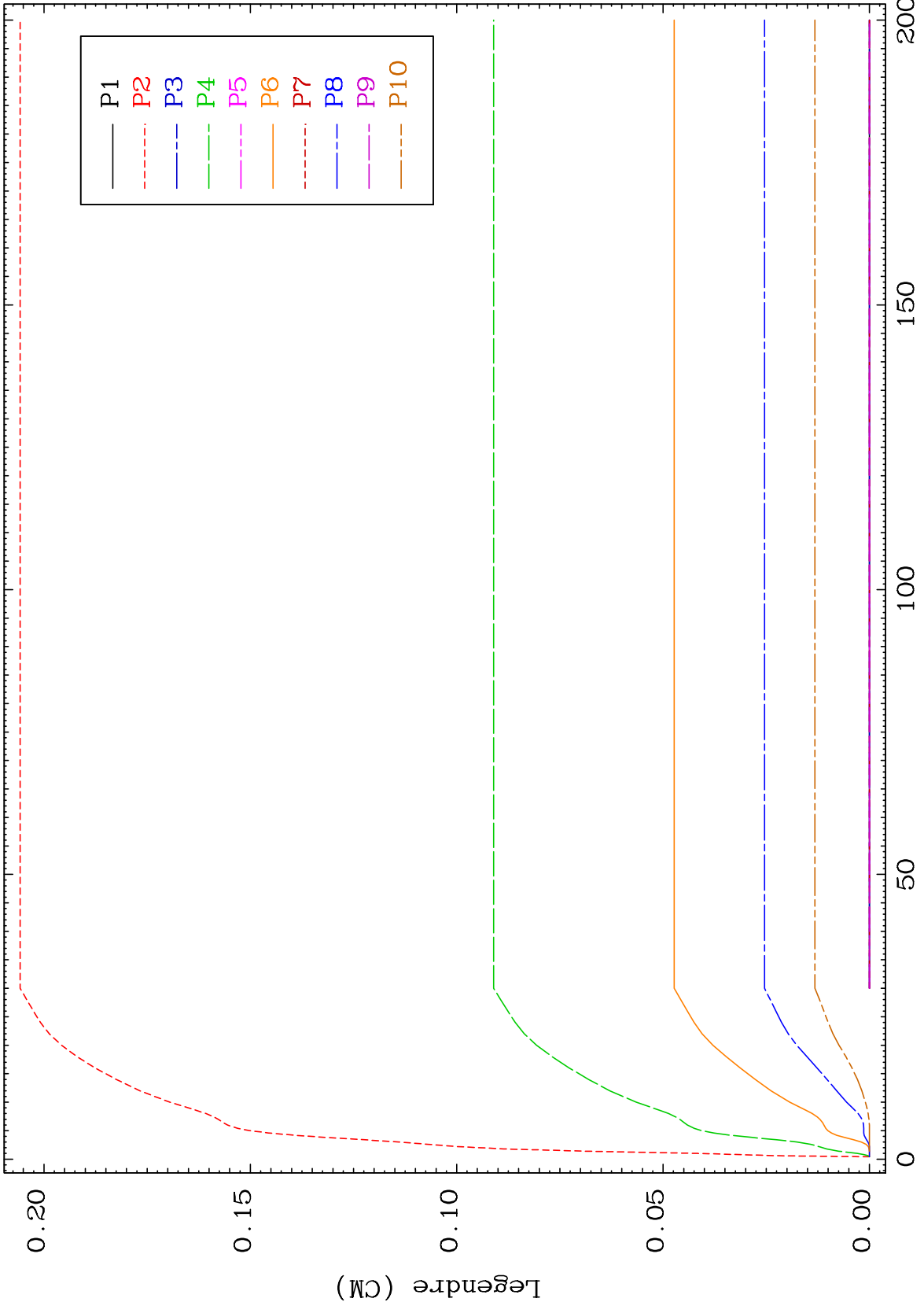
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



39

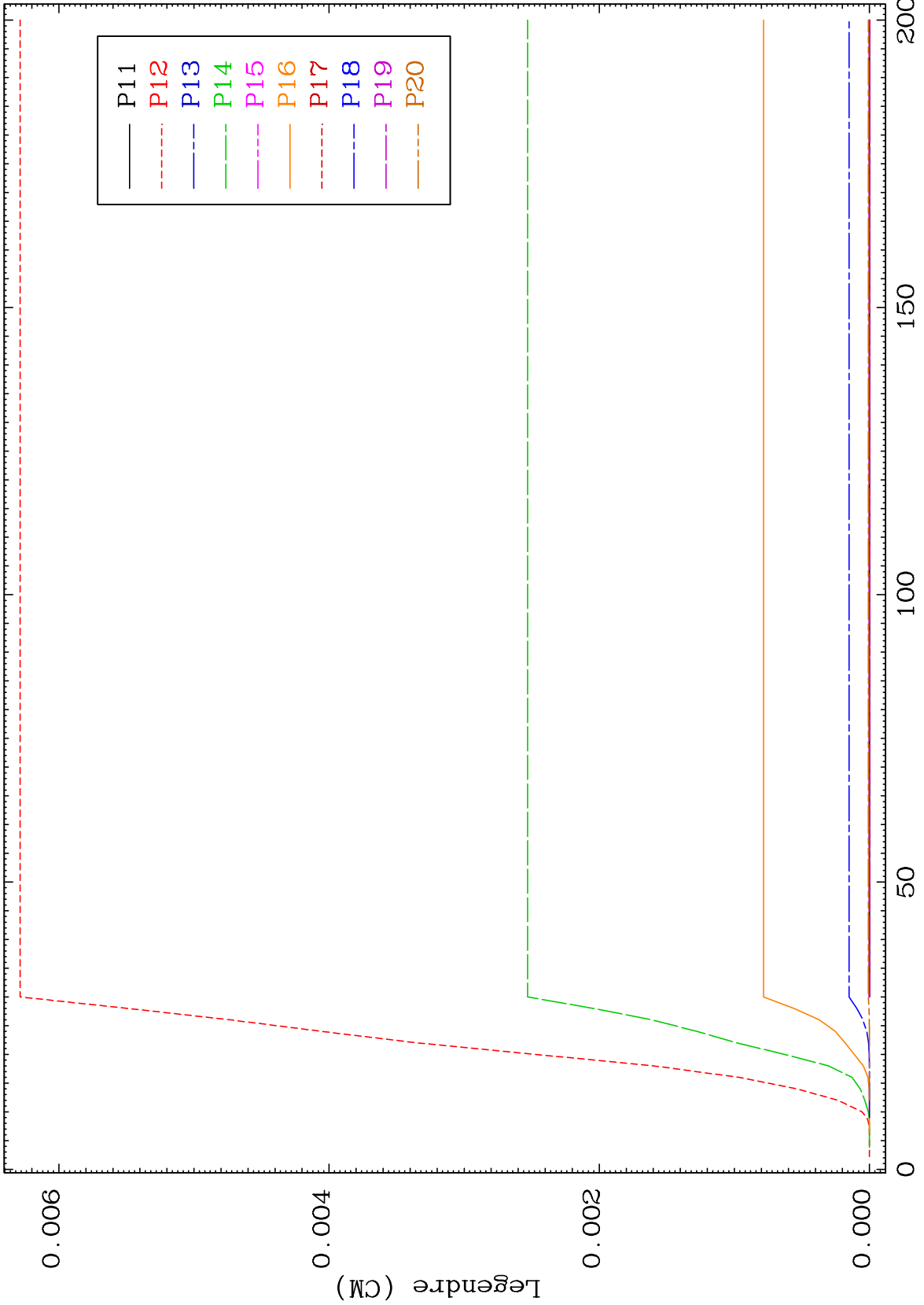
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



40

Incident Energy (MeV)

150

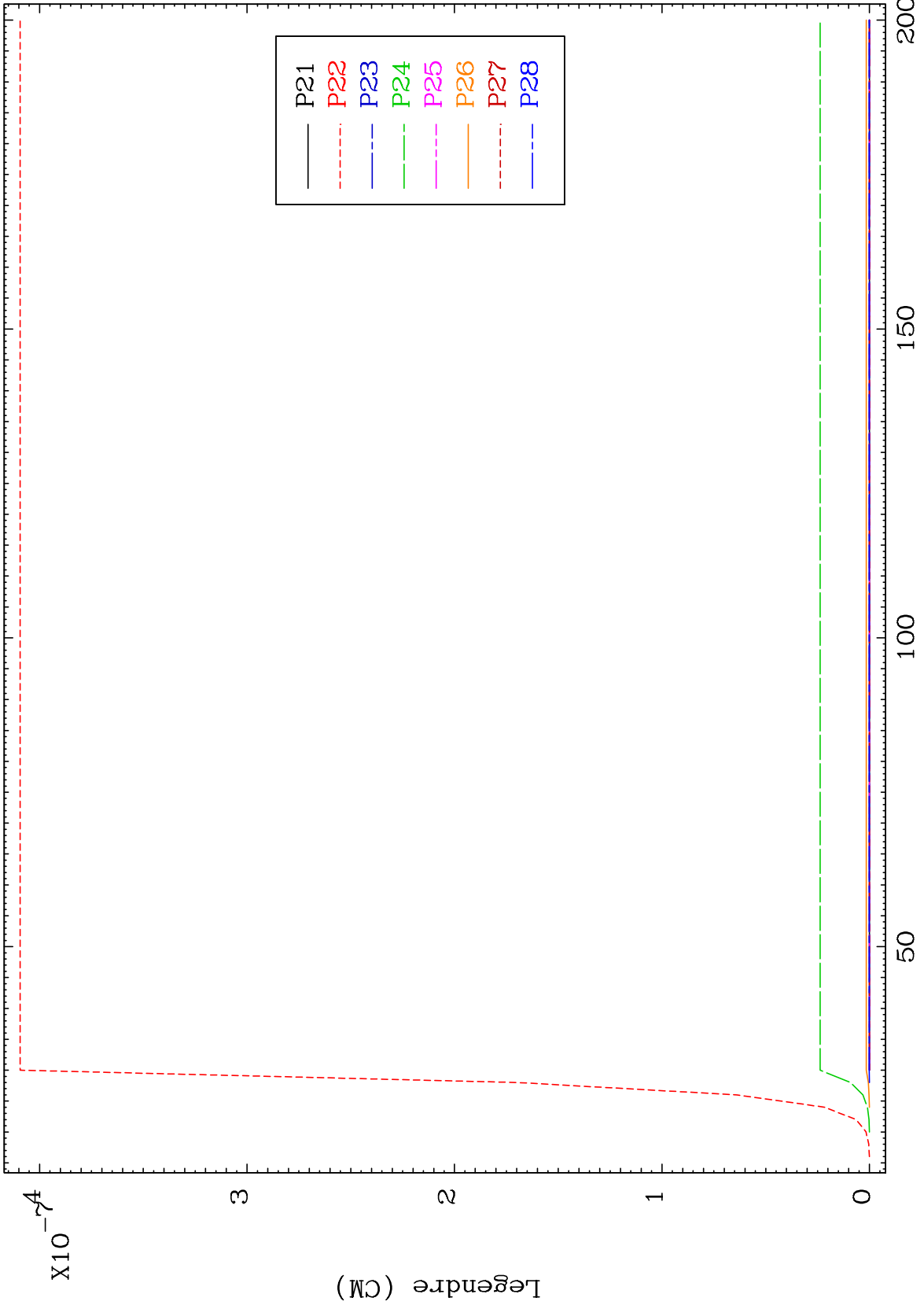
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54-Xe-127

MAT 5434

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

54-Xe-127



41

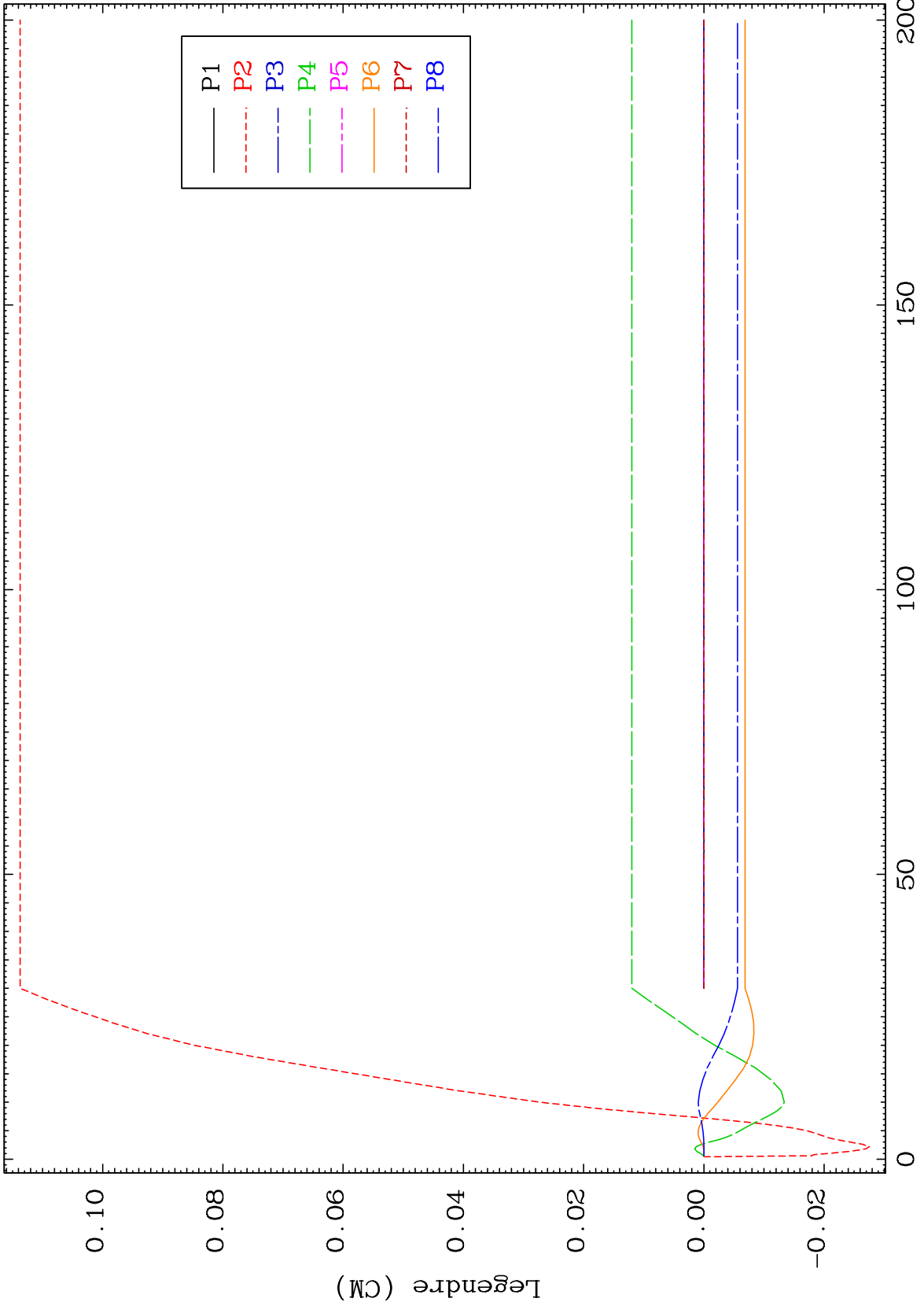
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



42

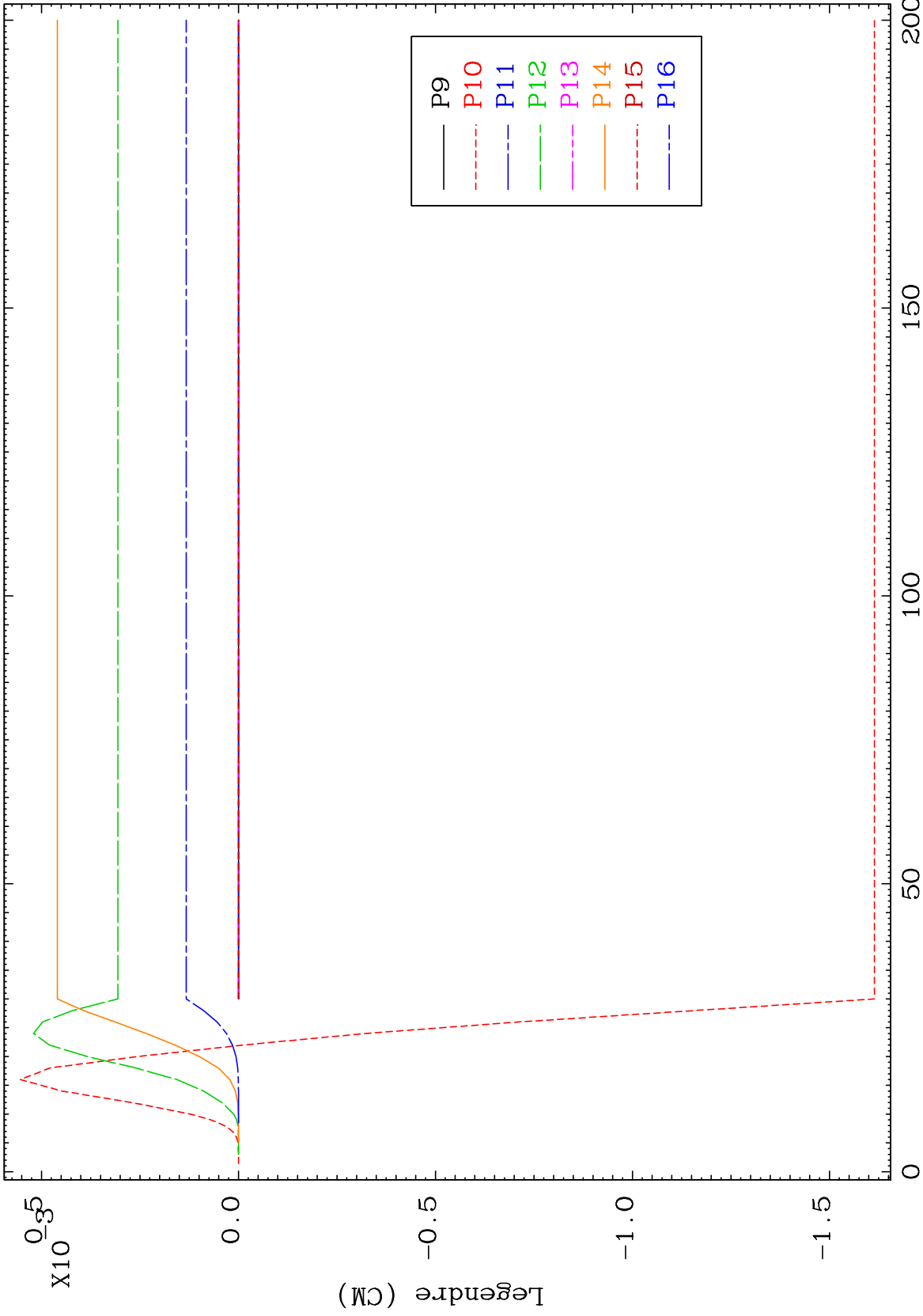
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



43

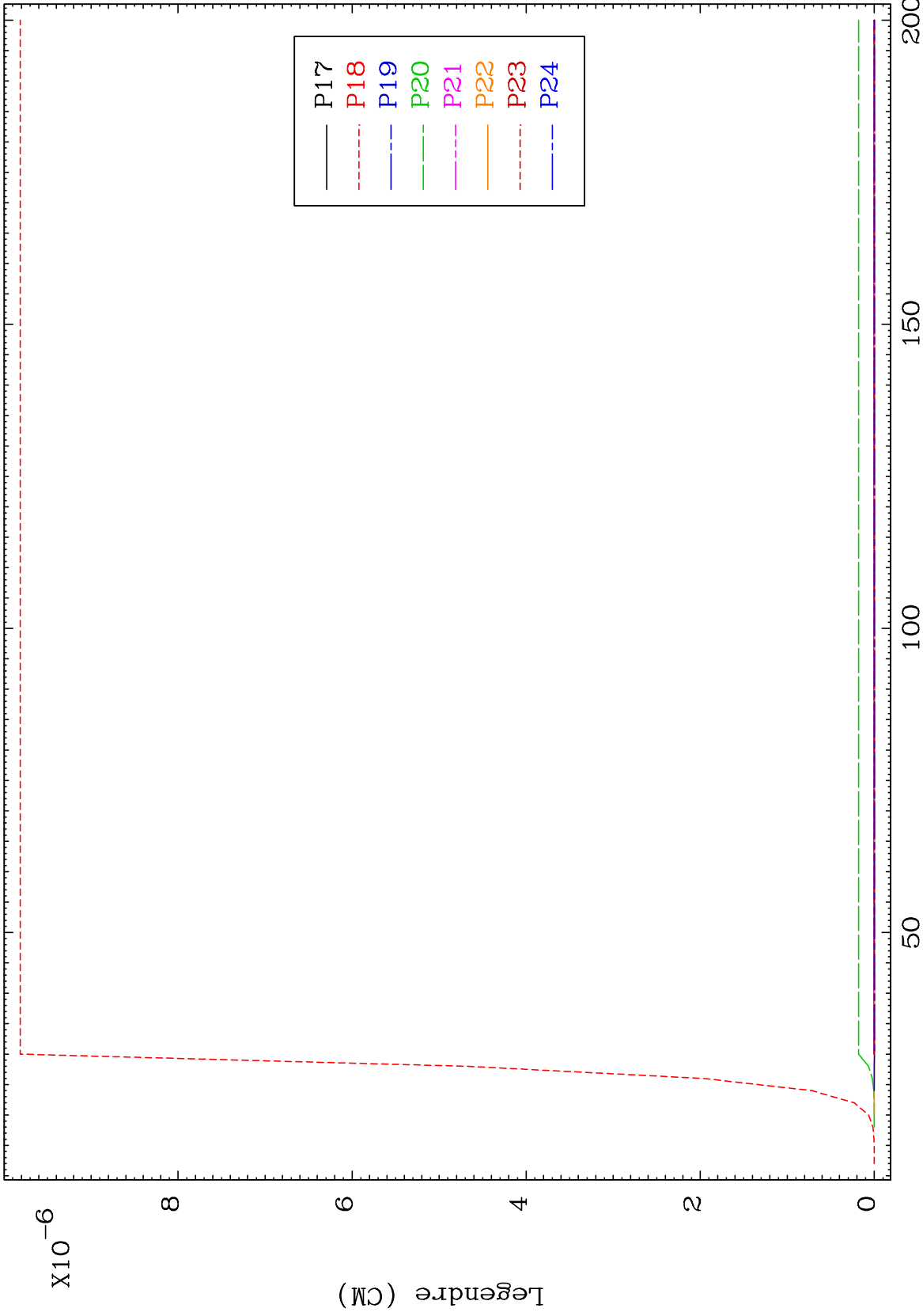
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



44

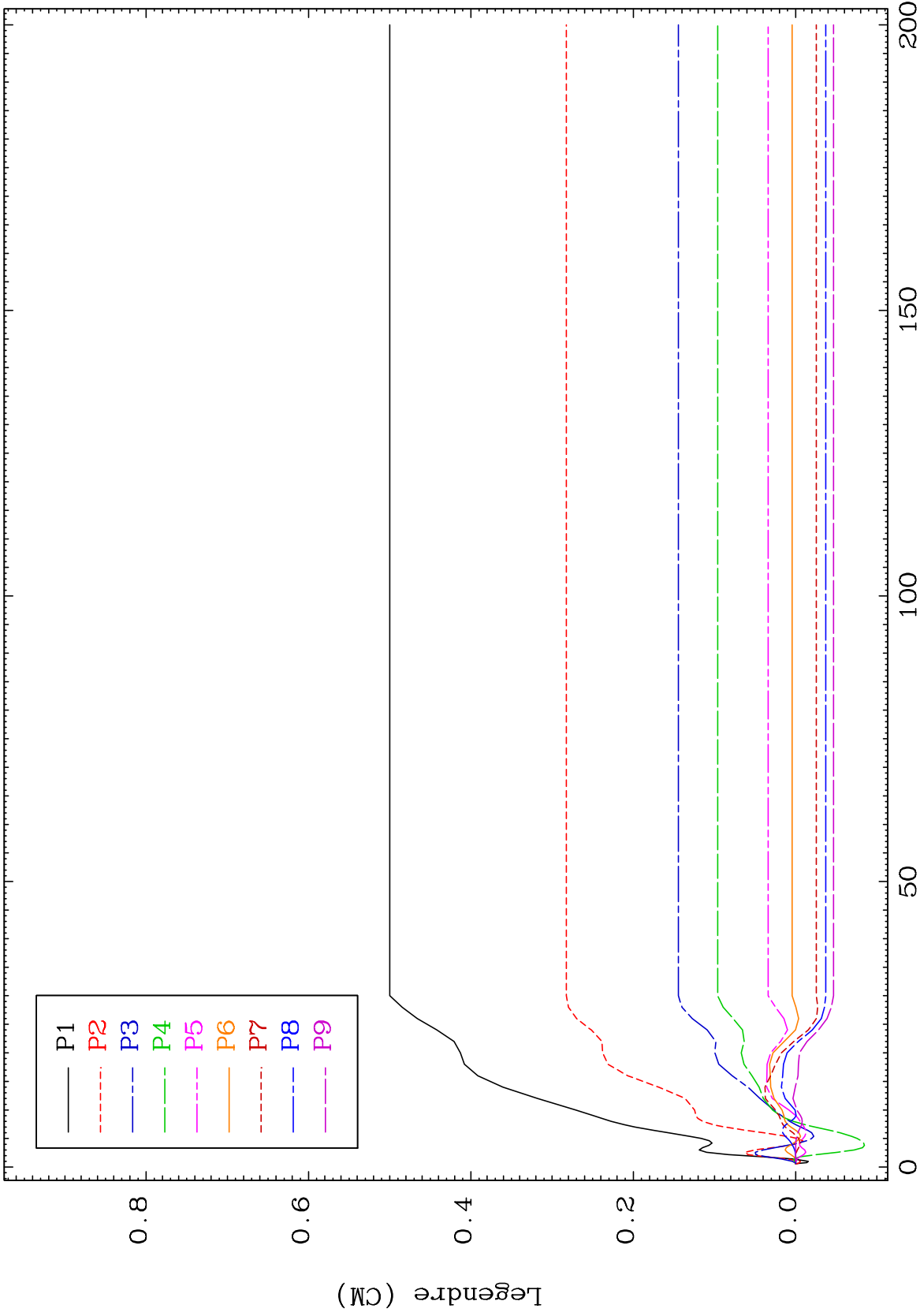
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



45

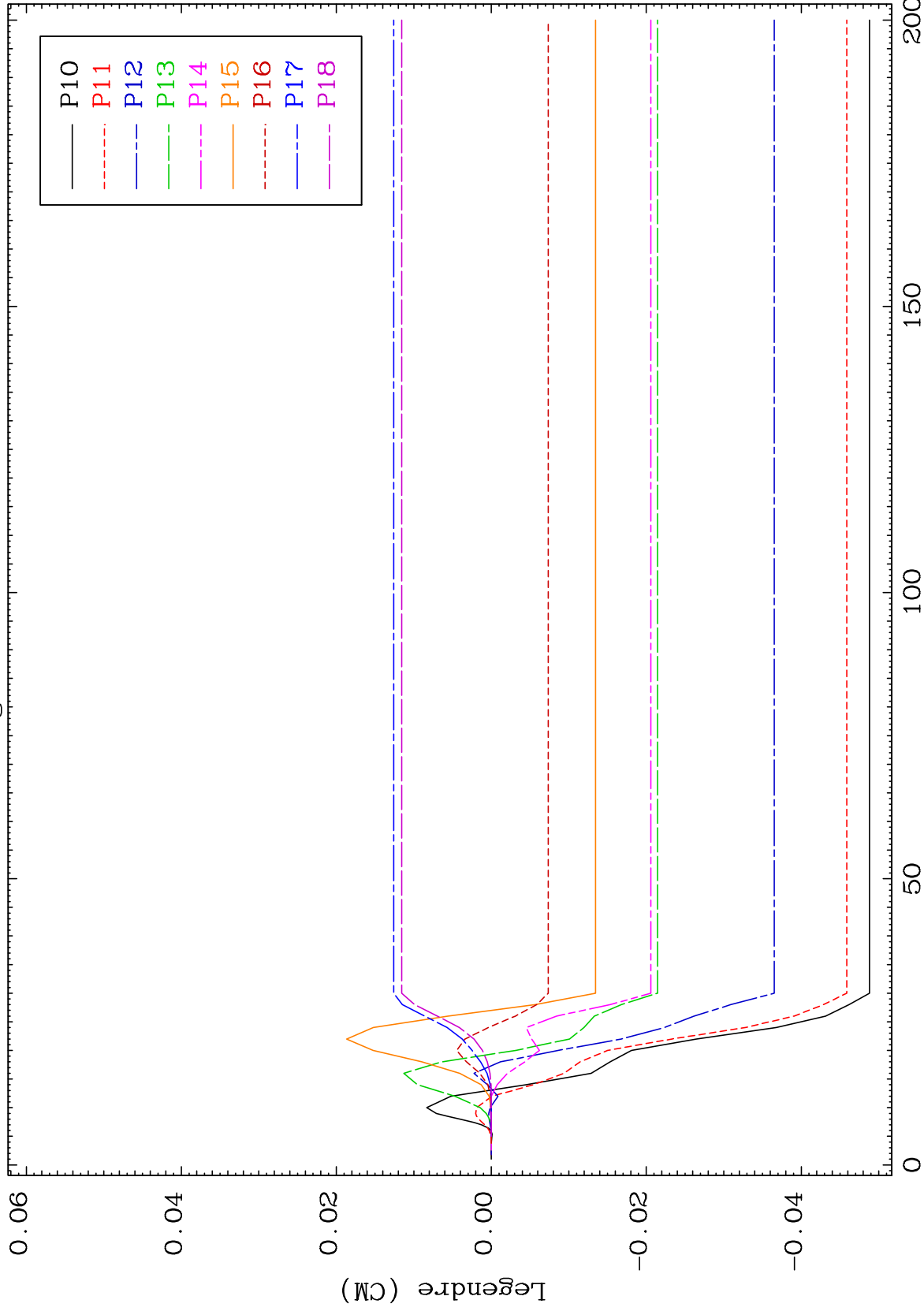
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



46

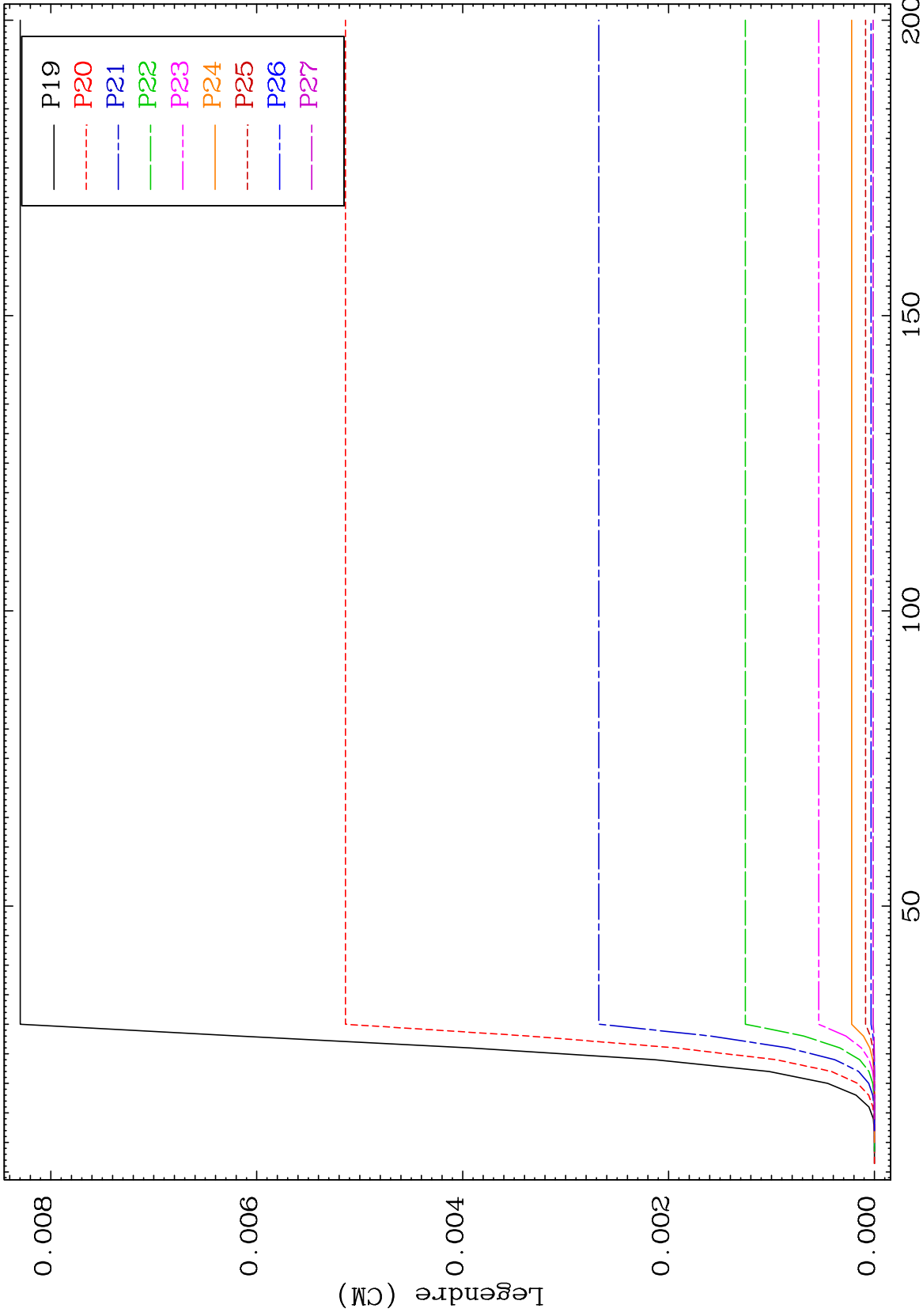
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



47

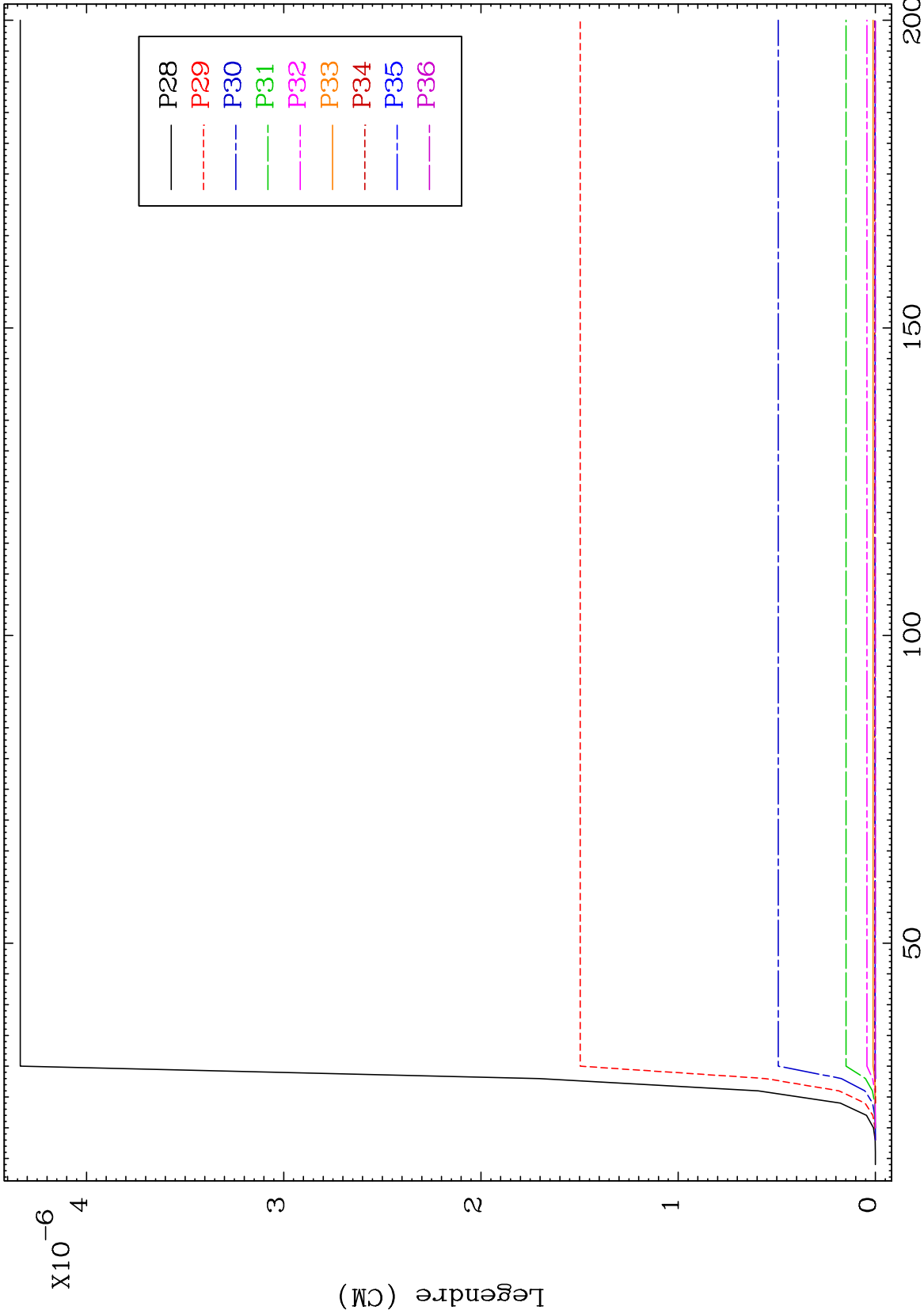
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



48

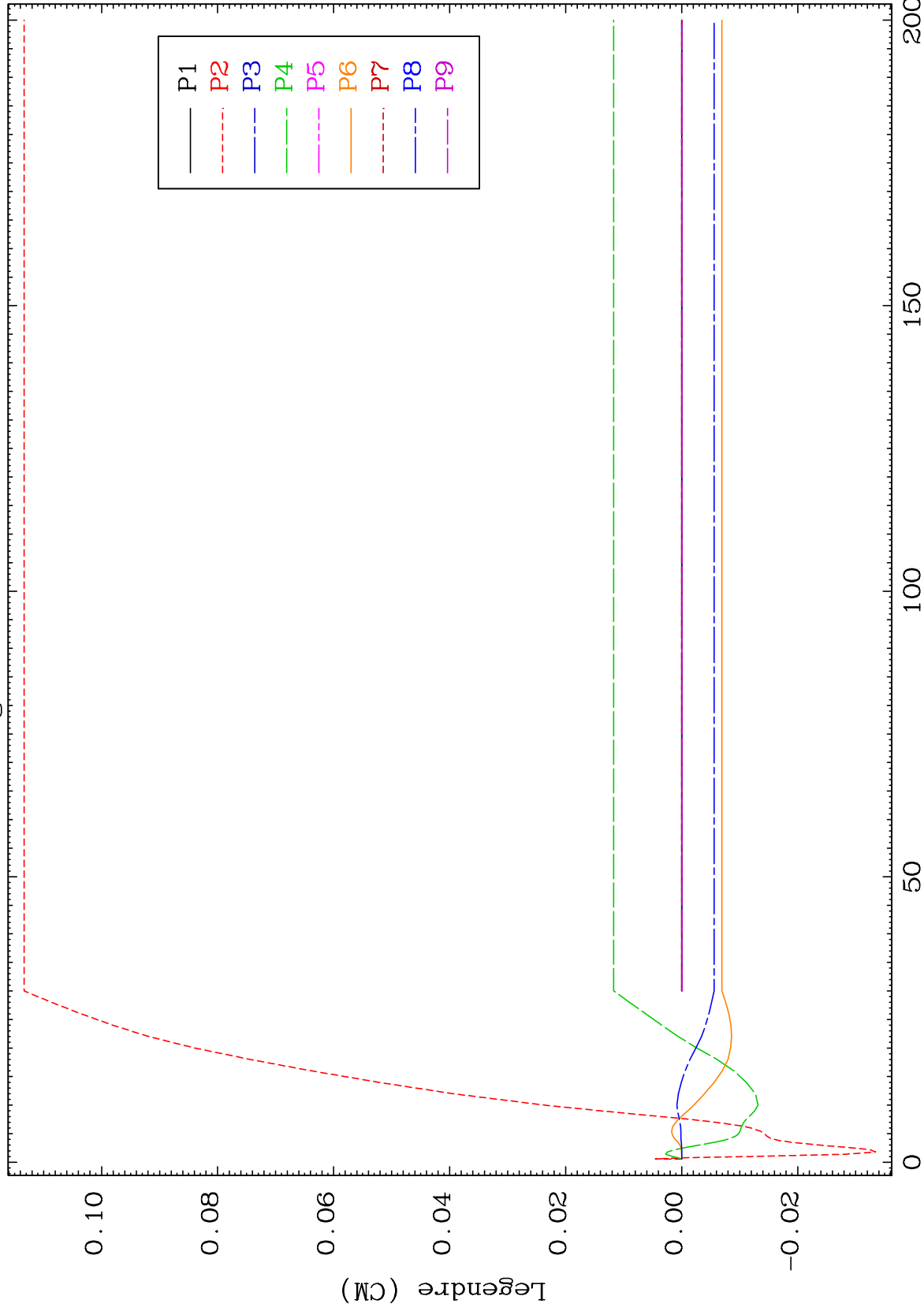
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



49

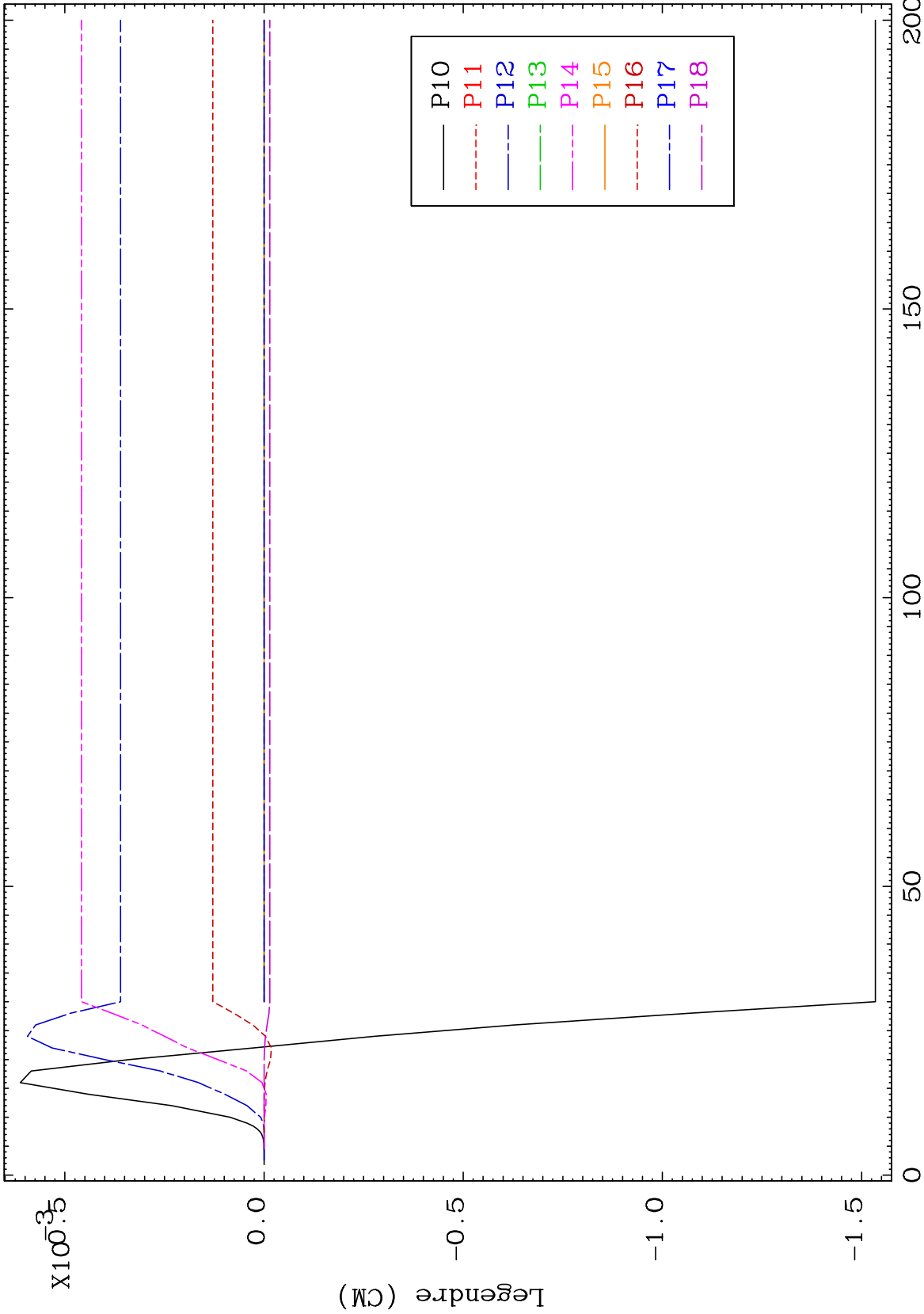
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



50

Incident Energy (MeV)

150

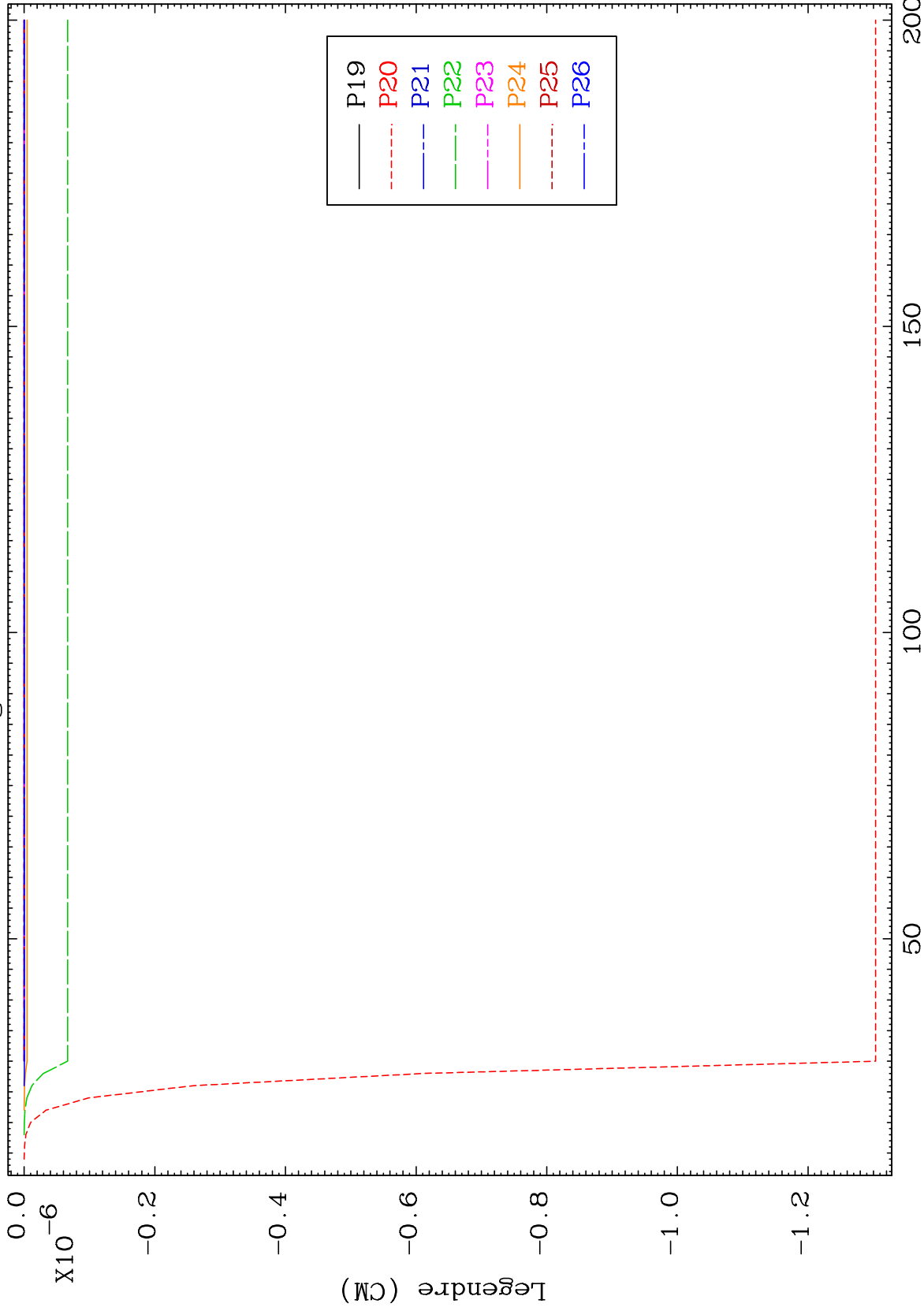
54-Xe-127

200

MAT 5434

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

54-Xe-127



51

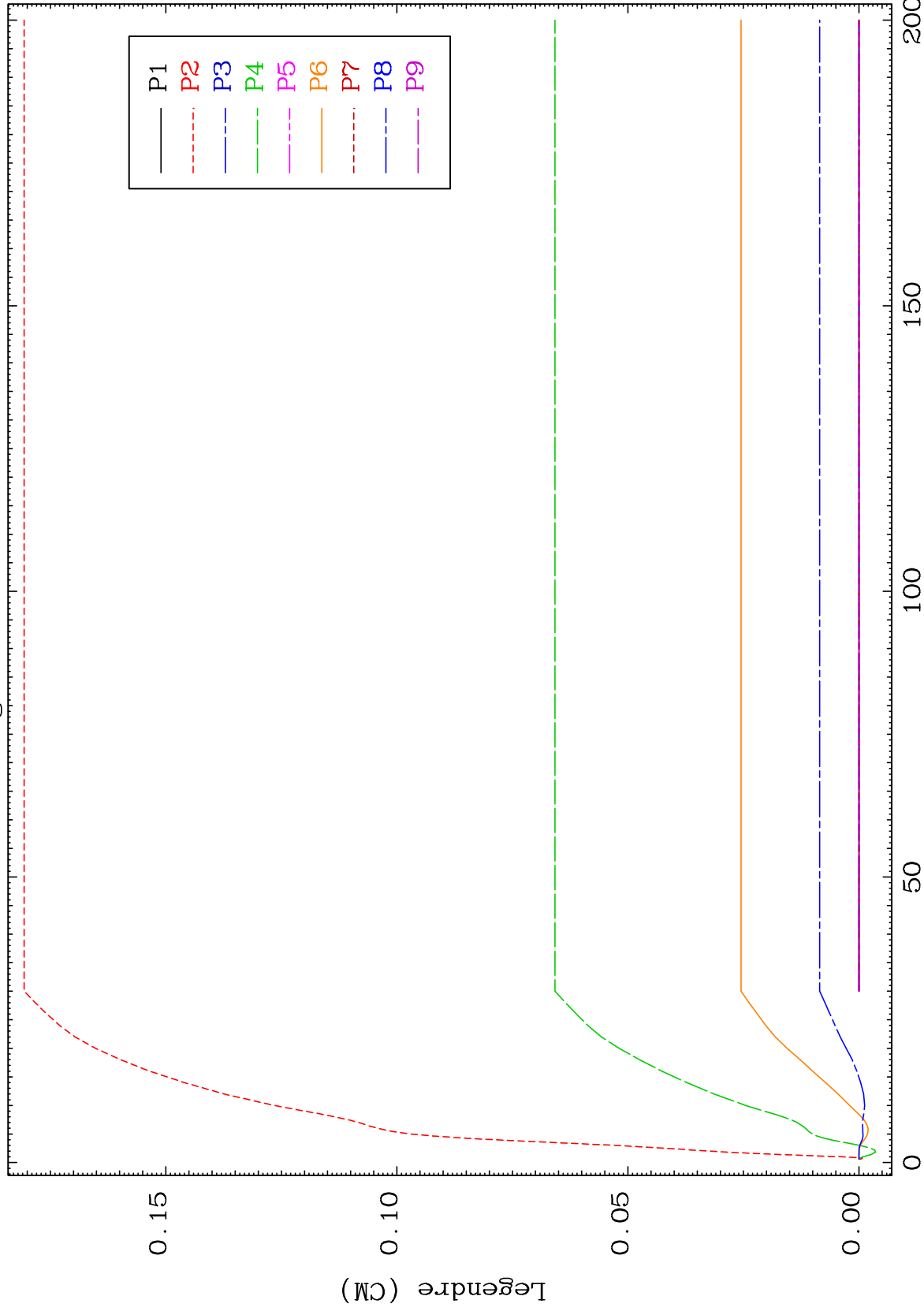
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



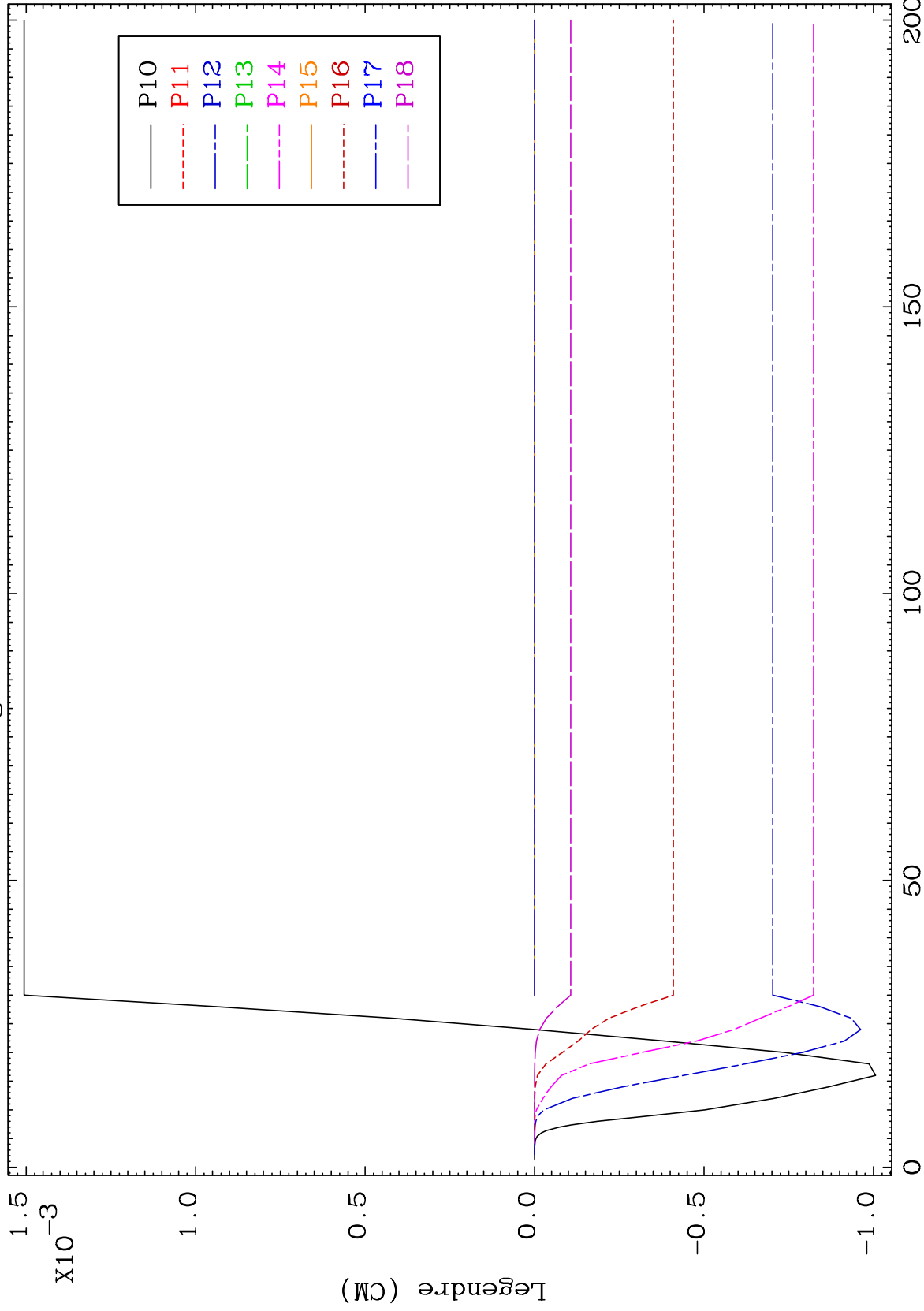
52

54-Xe-127

MAT 5434

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

54-Xe-127

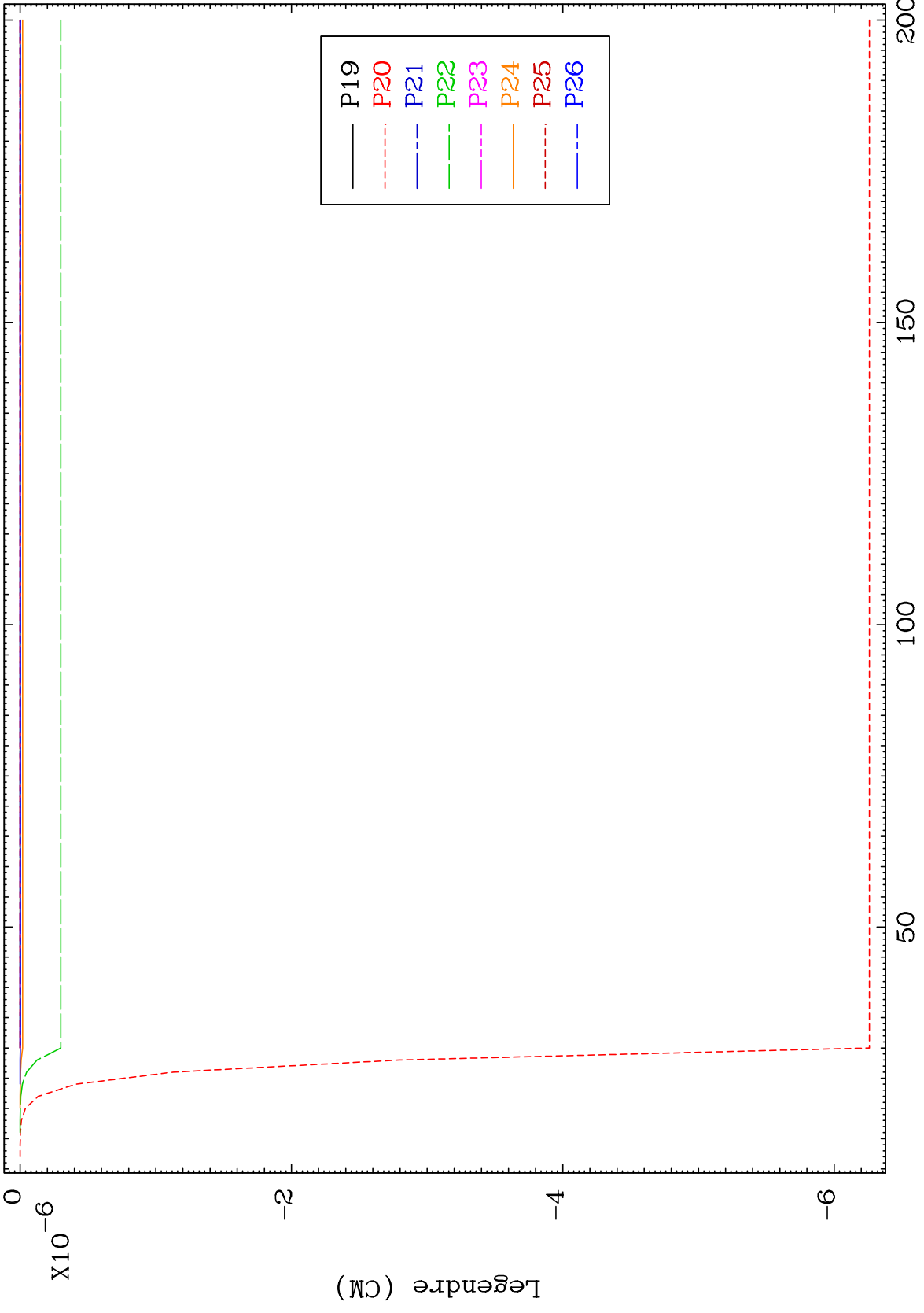


53

Incident Energy (MeV)

54-Xe-127

MAT 5434 MT= 61 (n,n') Level Legendre Coefficients 54-Xe-127

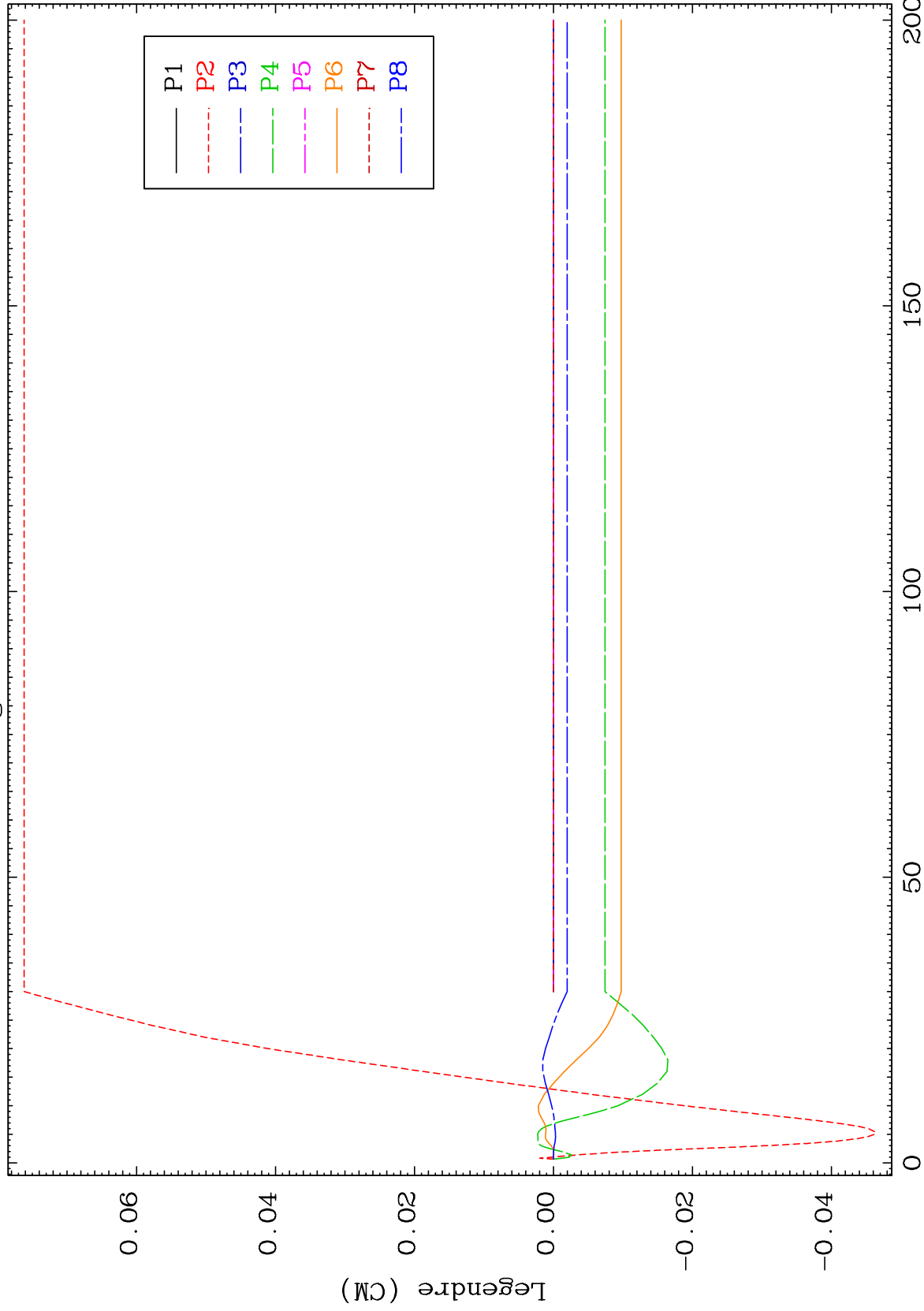


54 54-Xe-127 Incident Energy (MeV)

MAT 5434

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

54-Xe-127



55

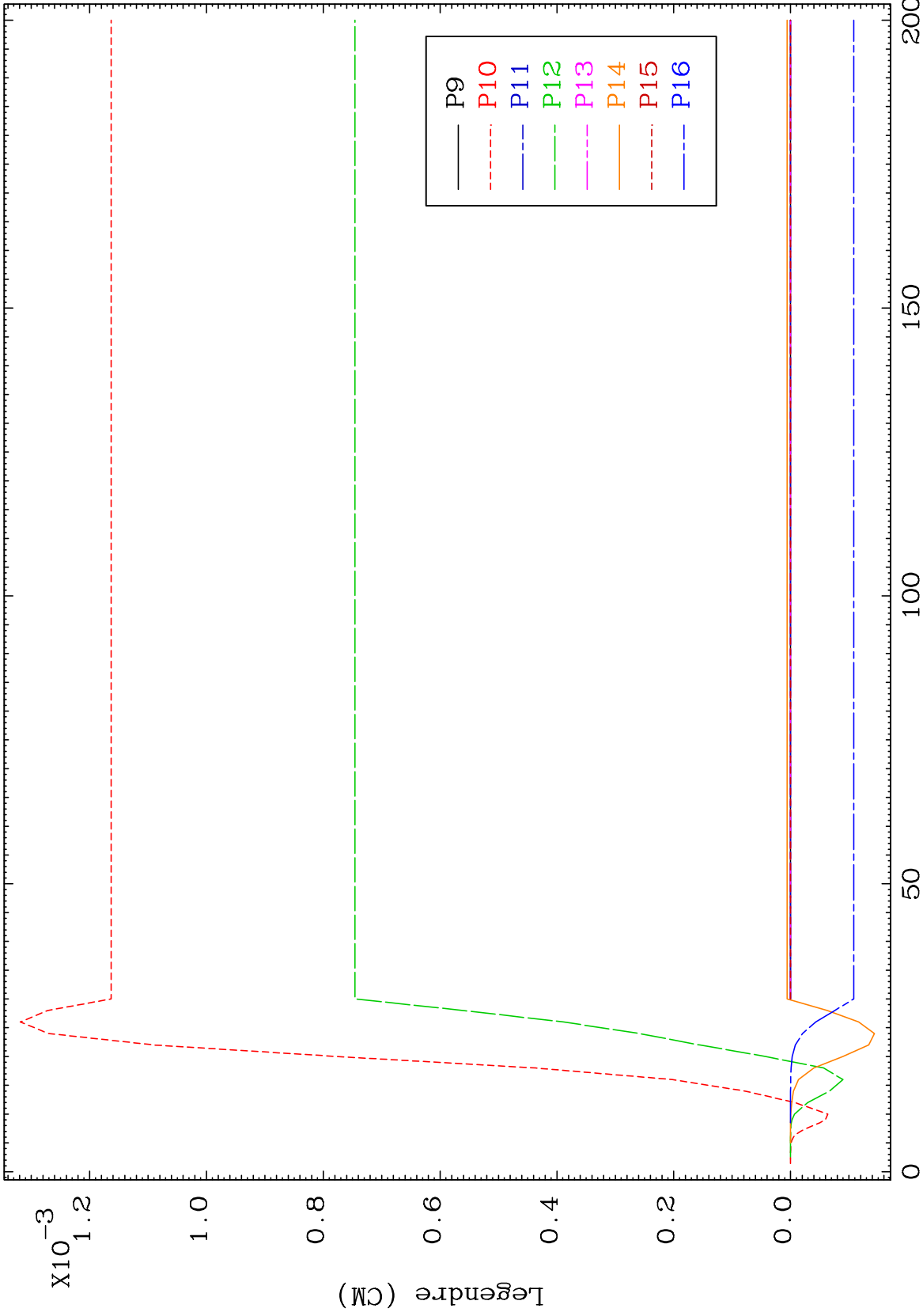
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



56

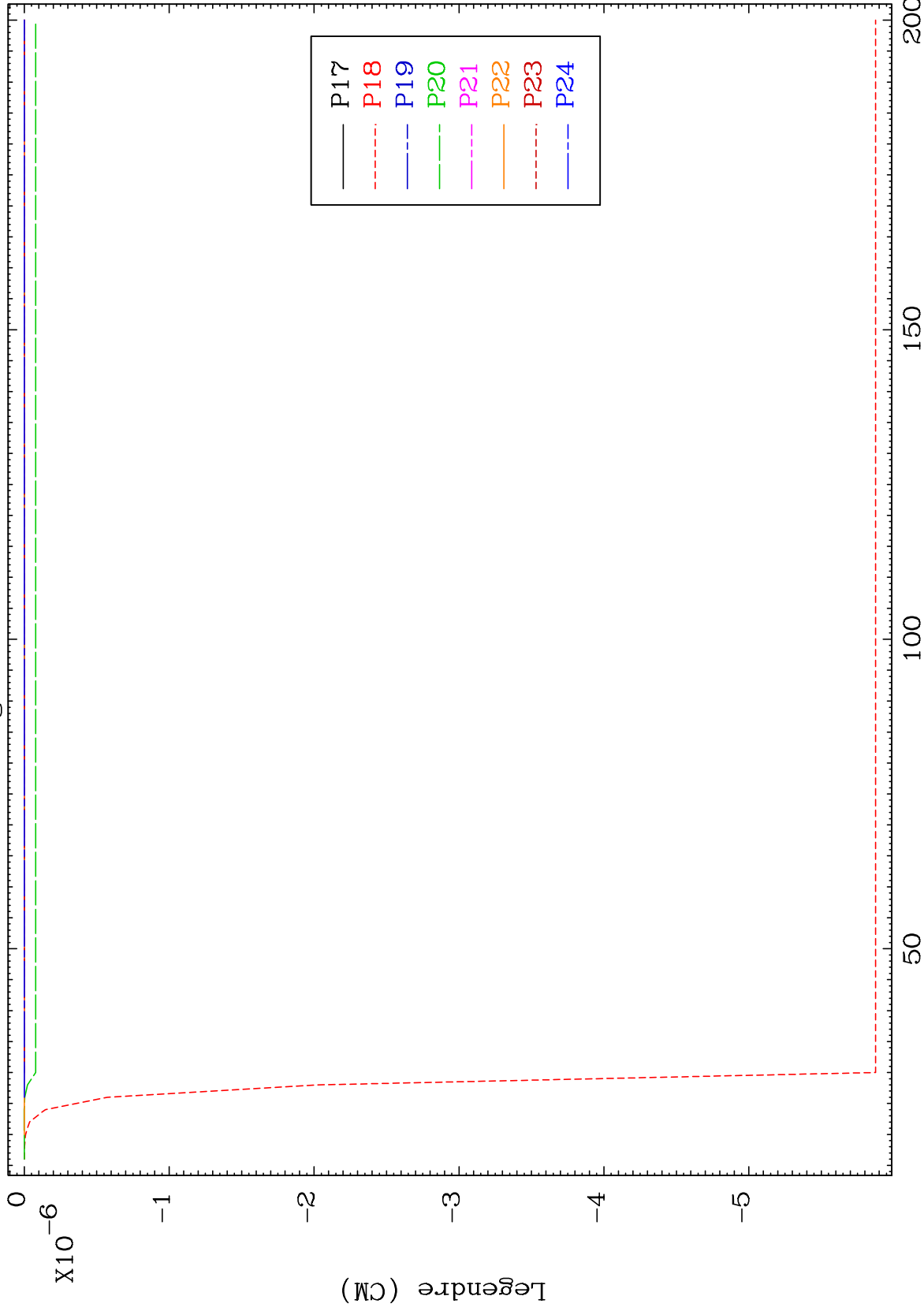
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



57

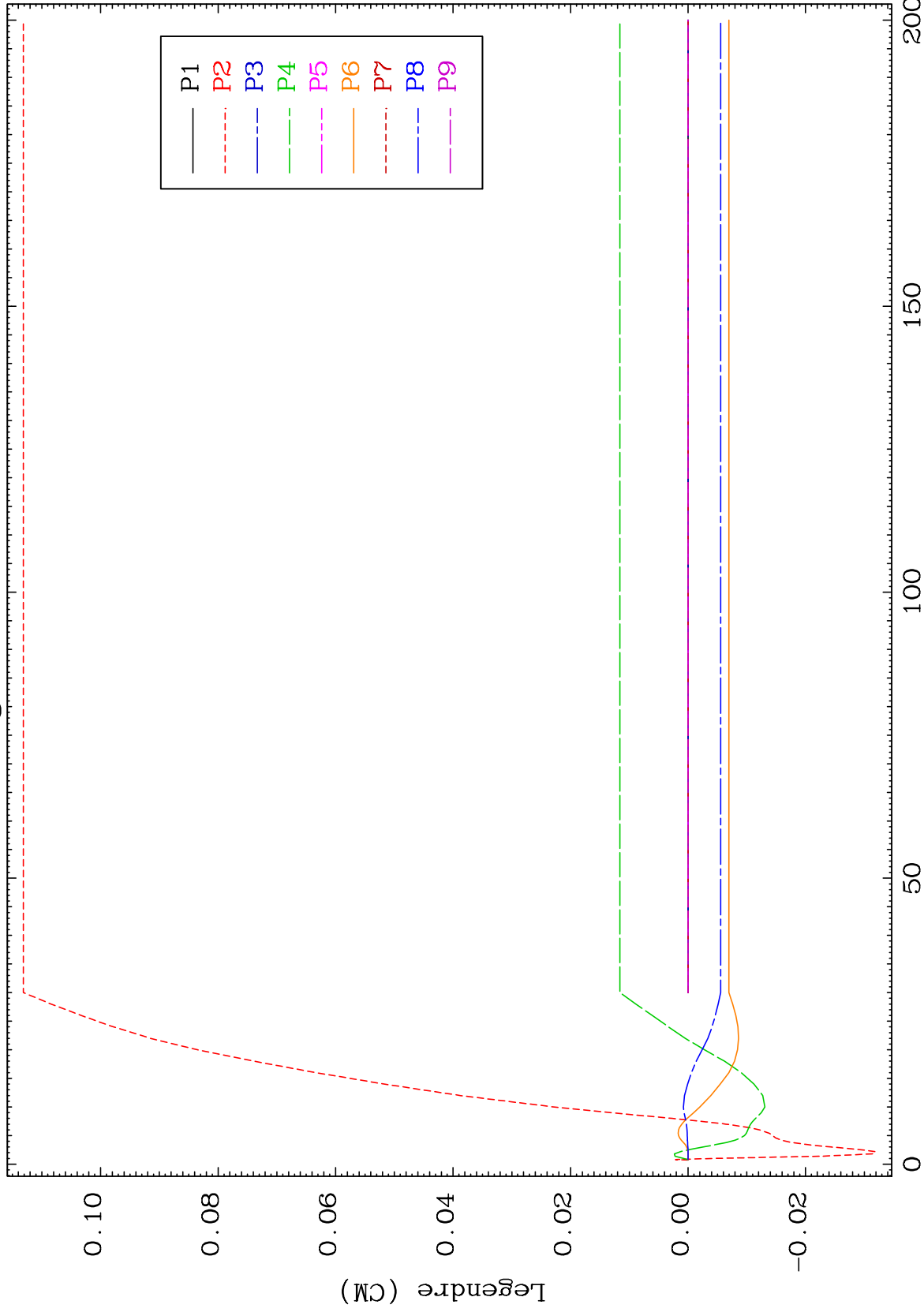
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



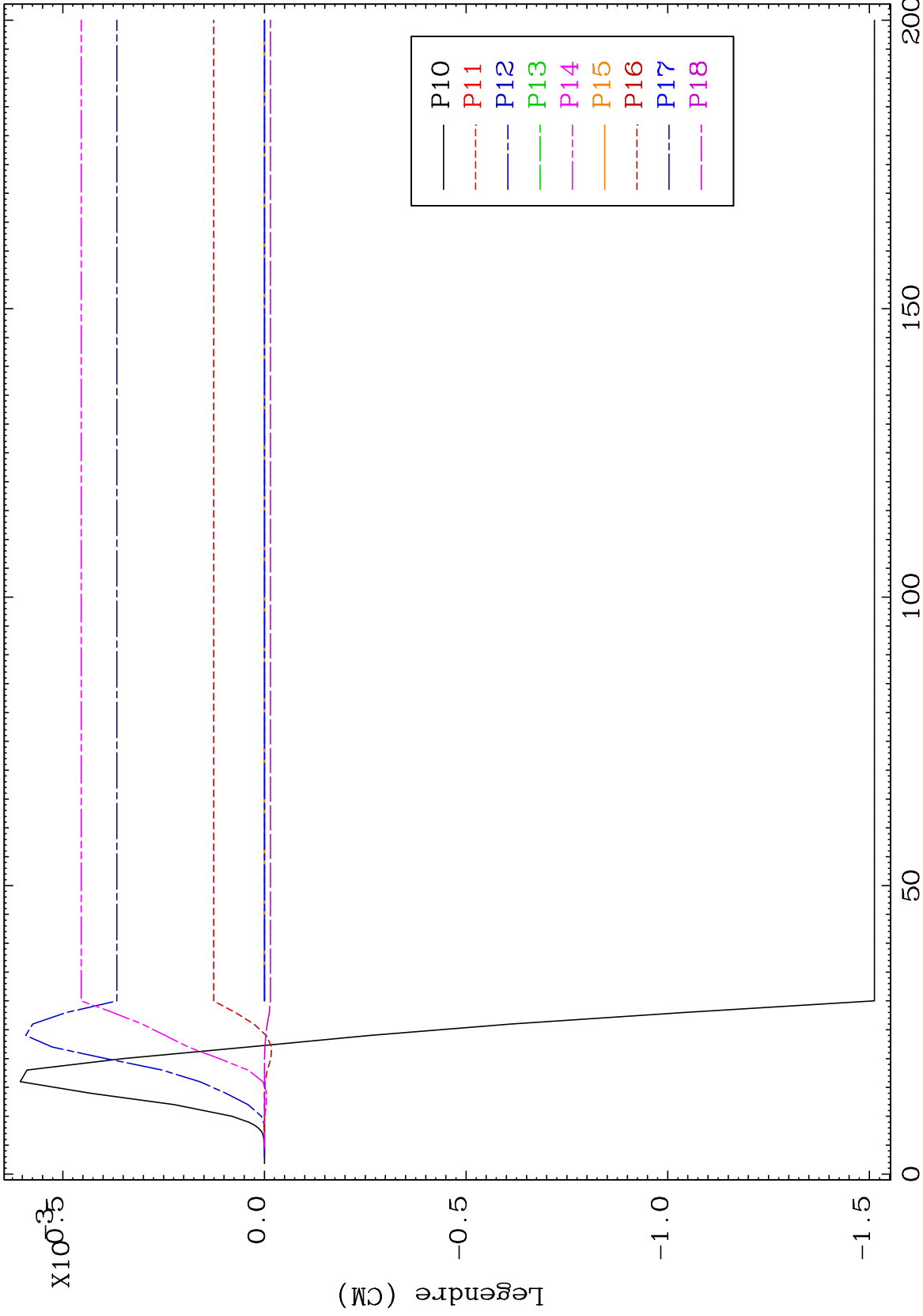
58

54-Xe-127

MAT 5434

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

54-Xe-127



59

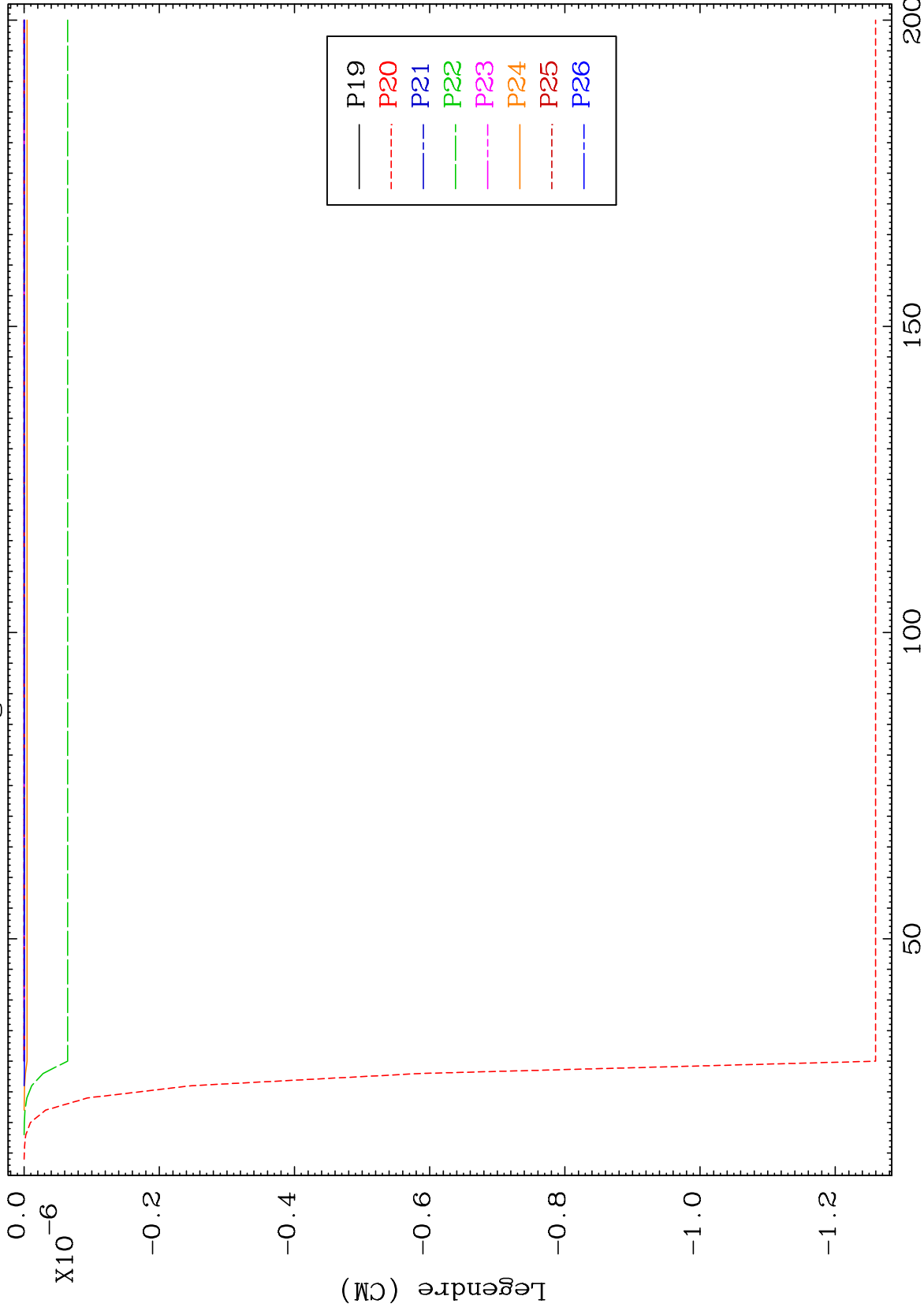
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127

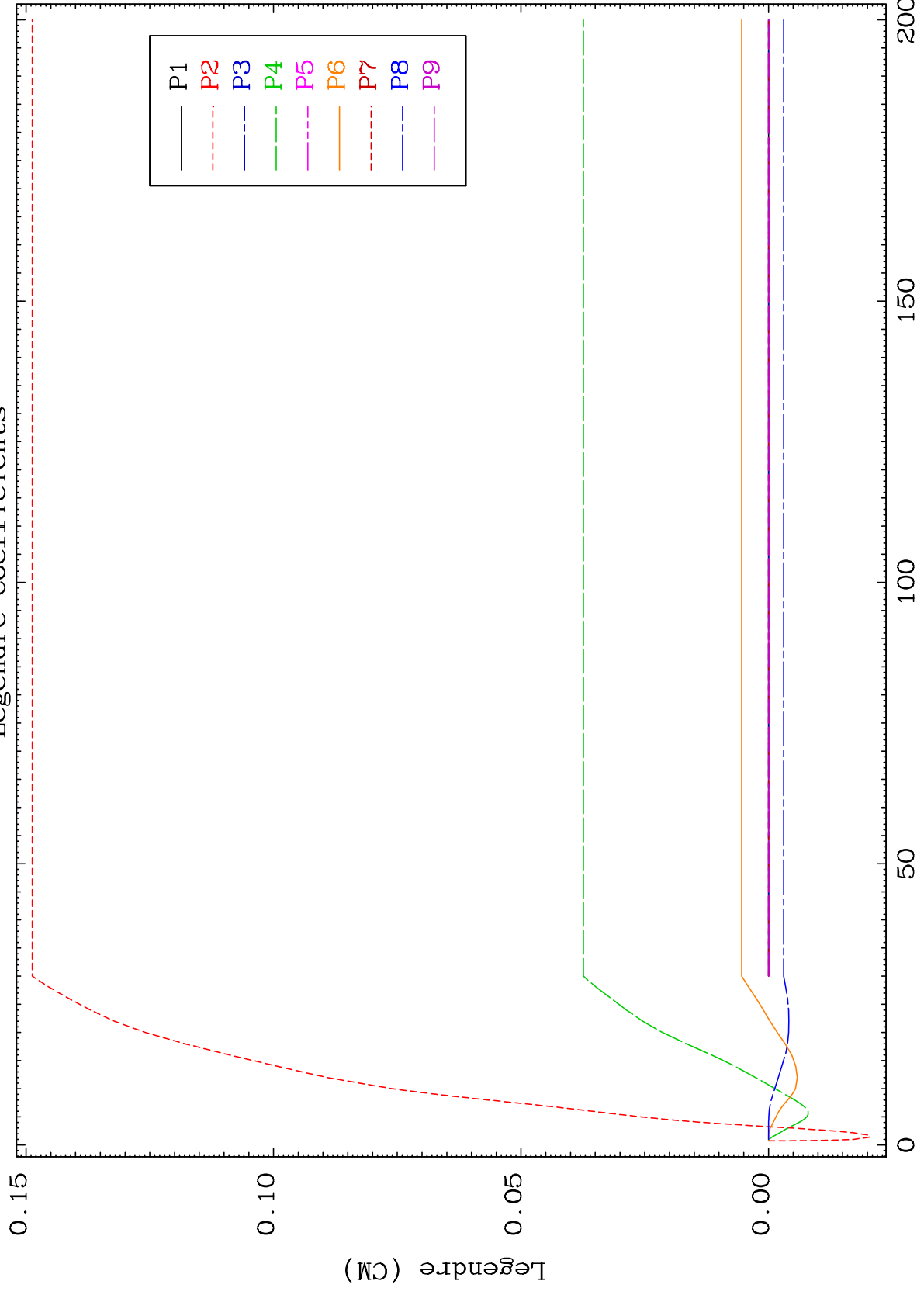


60

Incident Energy (MeV)

54-Xe-127

MAT 5434 MT= 64 (n,n') Level Legendre Coefficients 54-Xe-127



61 54-Xe-127

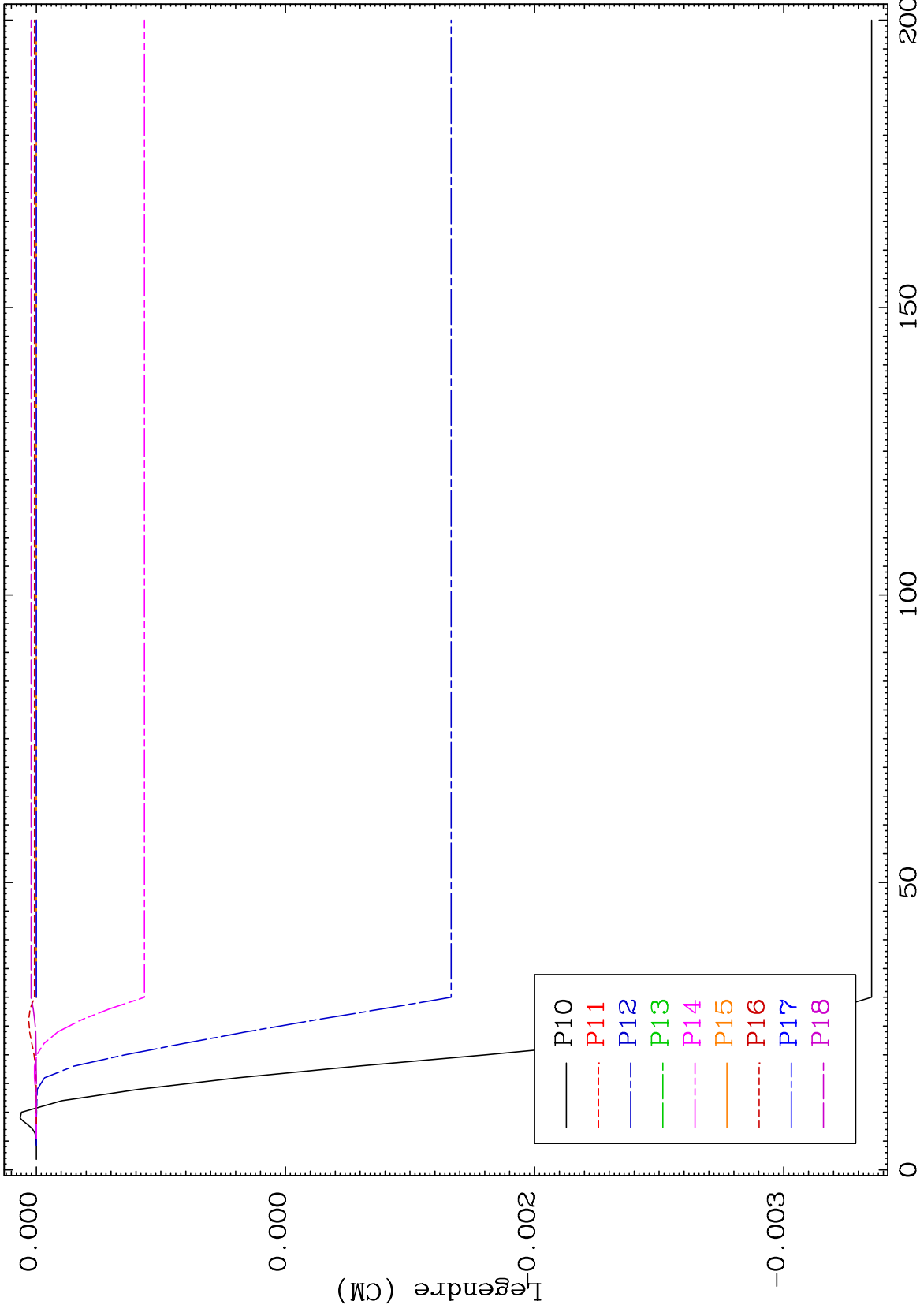
MAT 5434

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

54-Xe-127

Incident Energy (MeV)

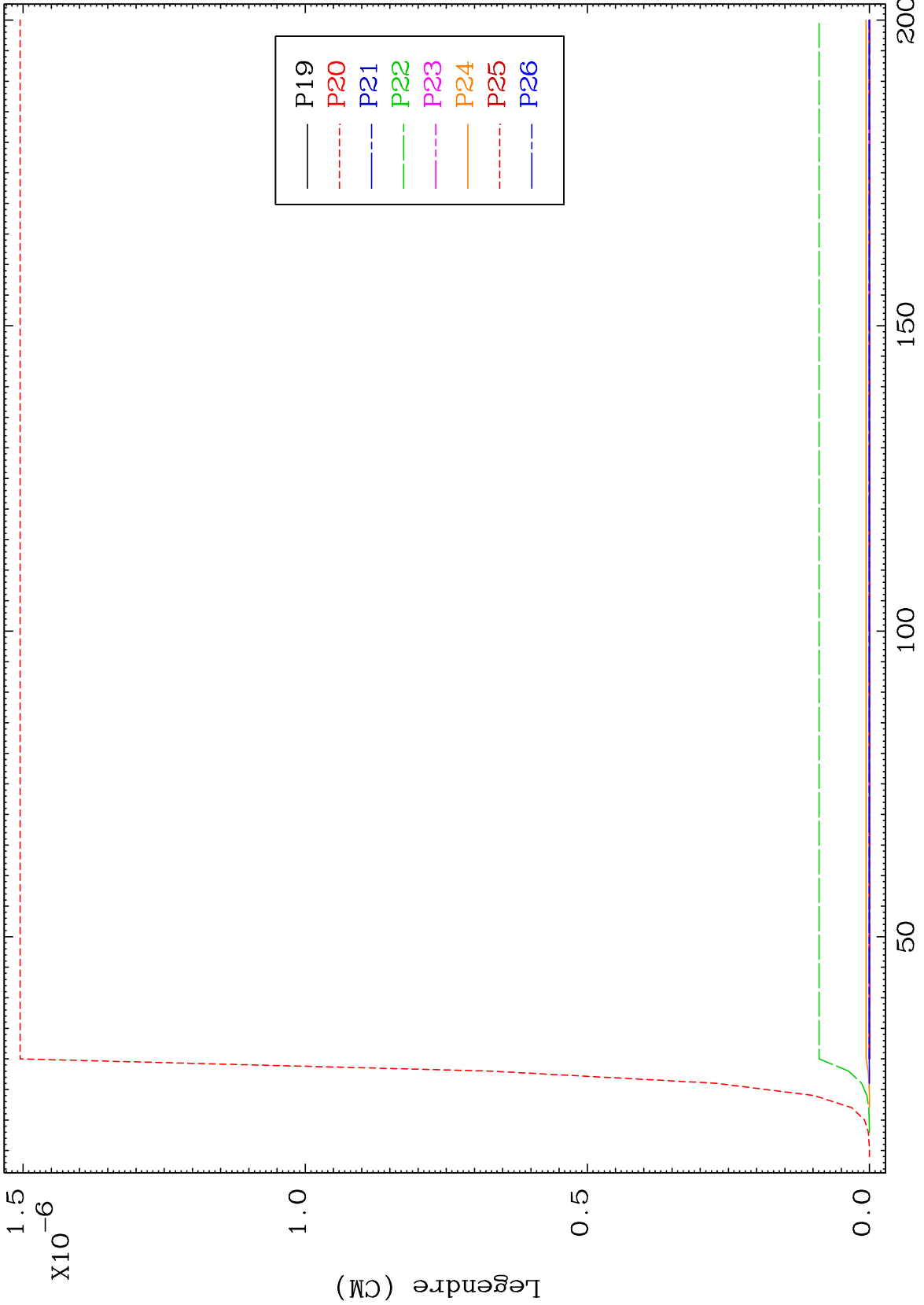
62



MAT 5434

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

54-Xe-127

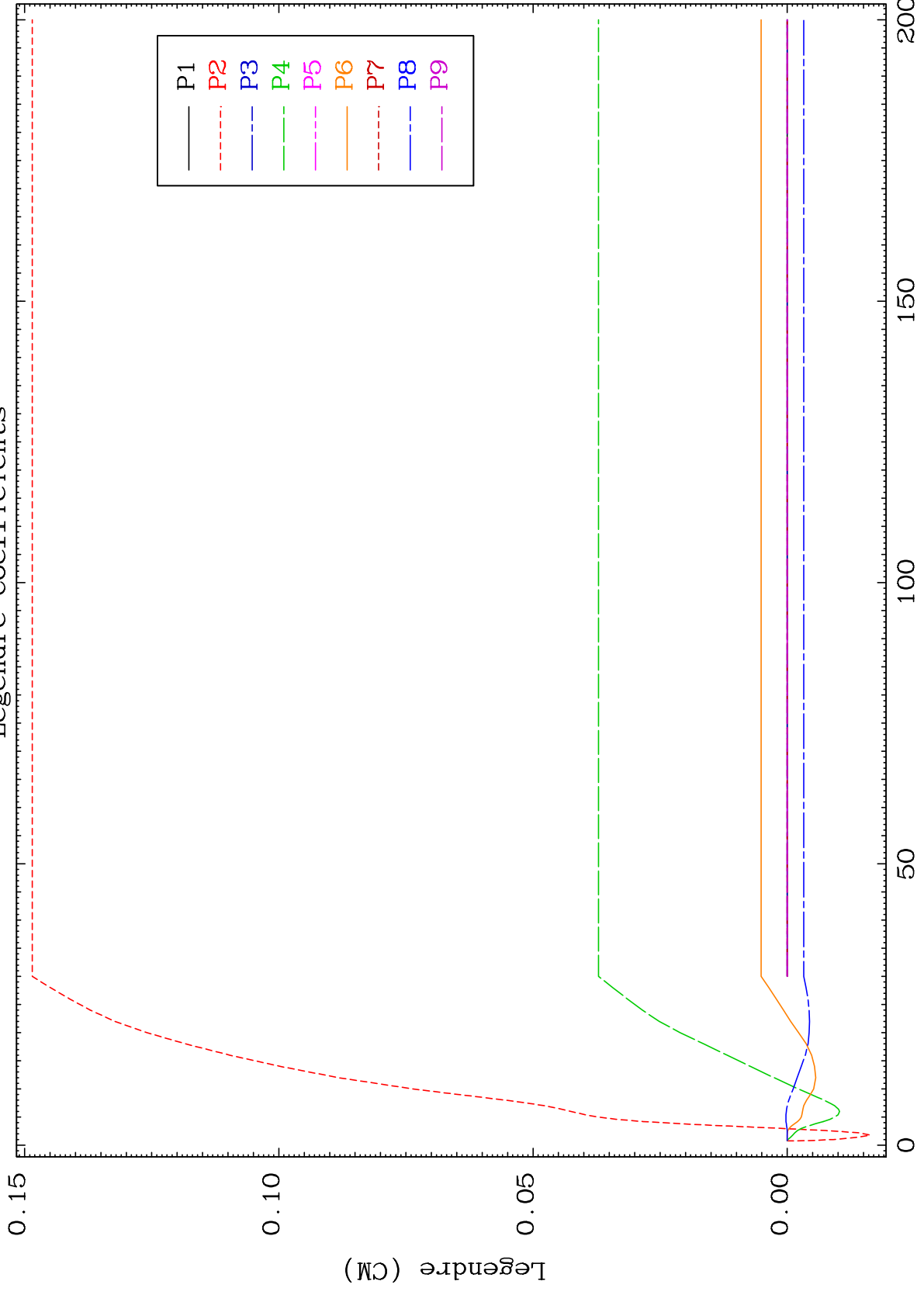


63

Incident Energy (MeV)

54-Xe-127

MAT 5434 MT= 65 (n,n') Level Legendre Coefficients 54-Xe-127

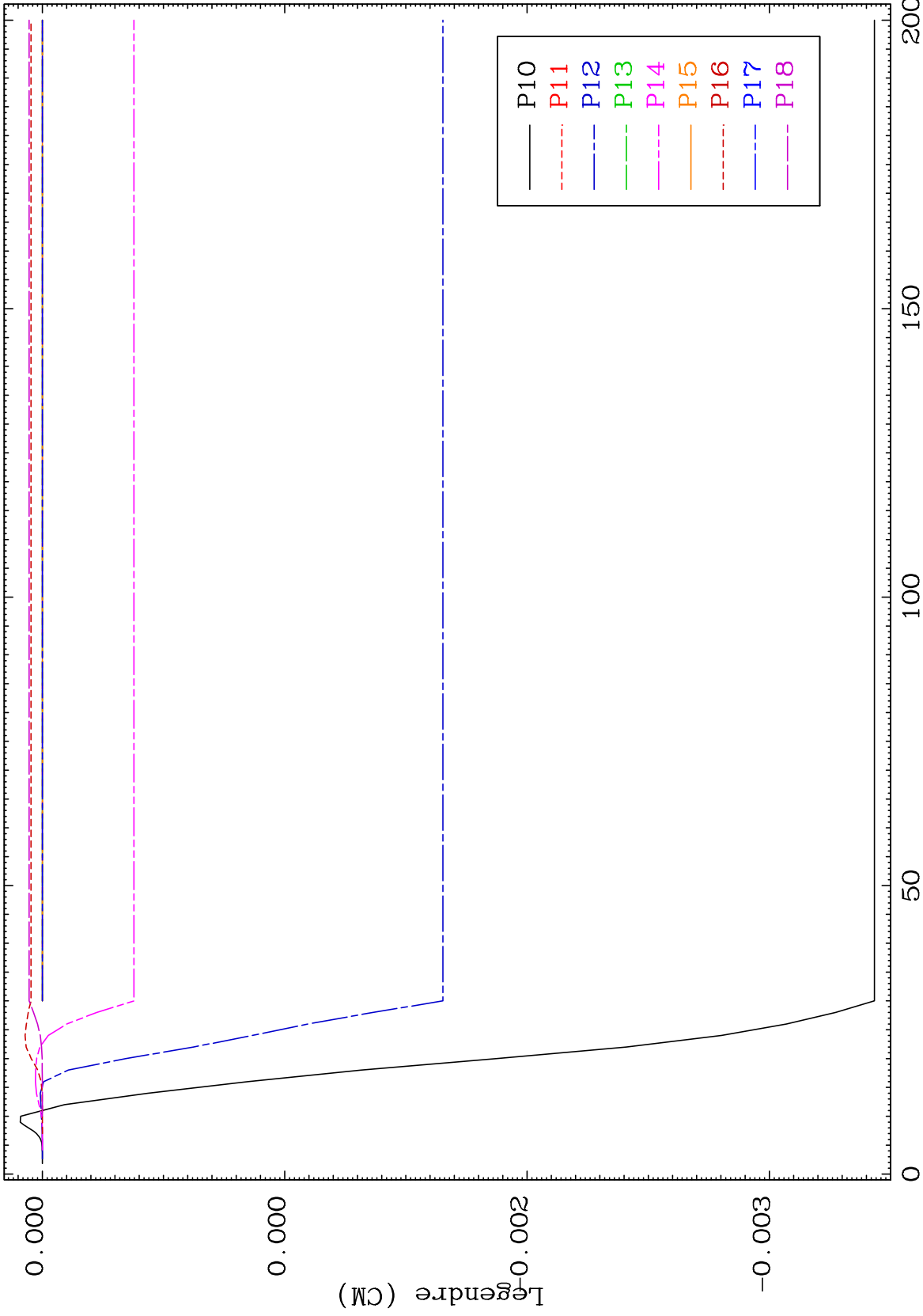


64 54-Xe-127

MAT 5434

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

54-Xe-127



65

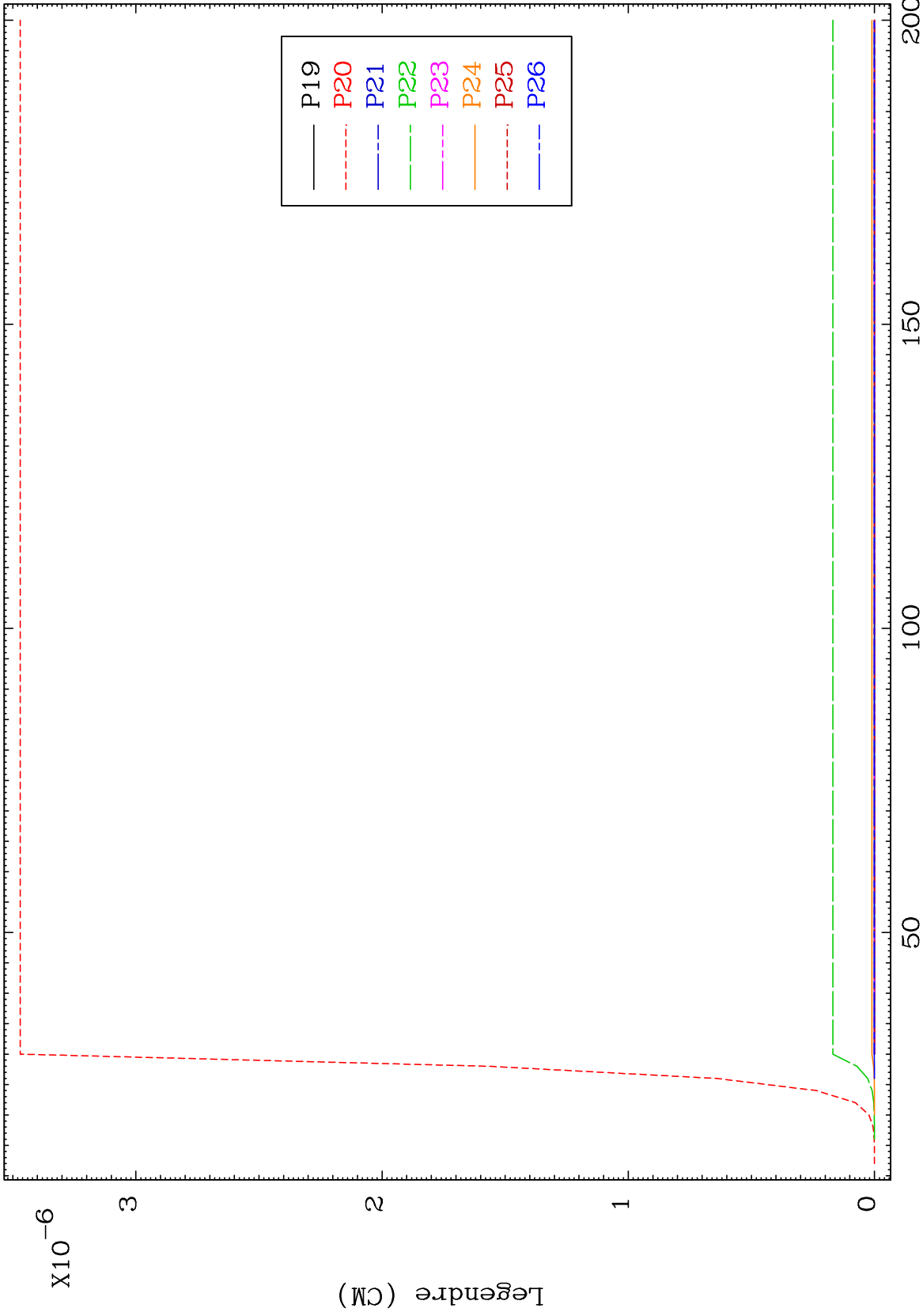
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



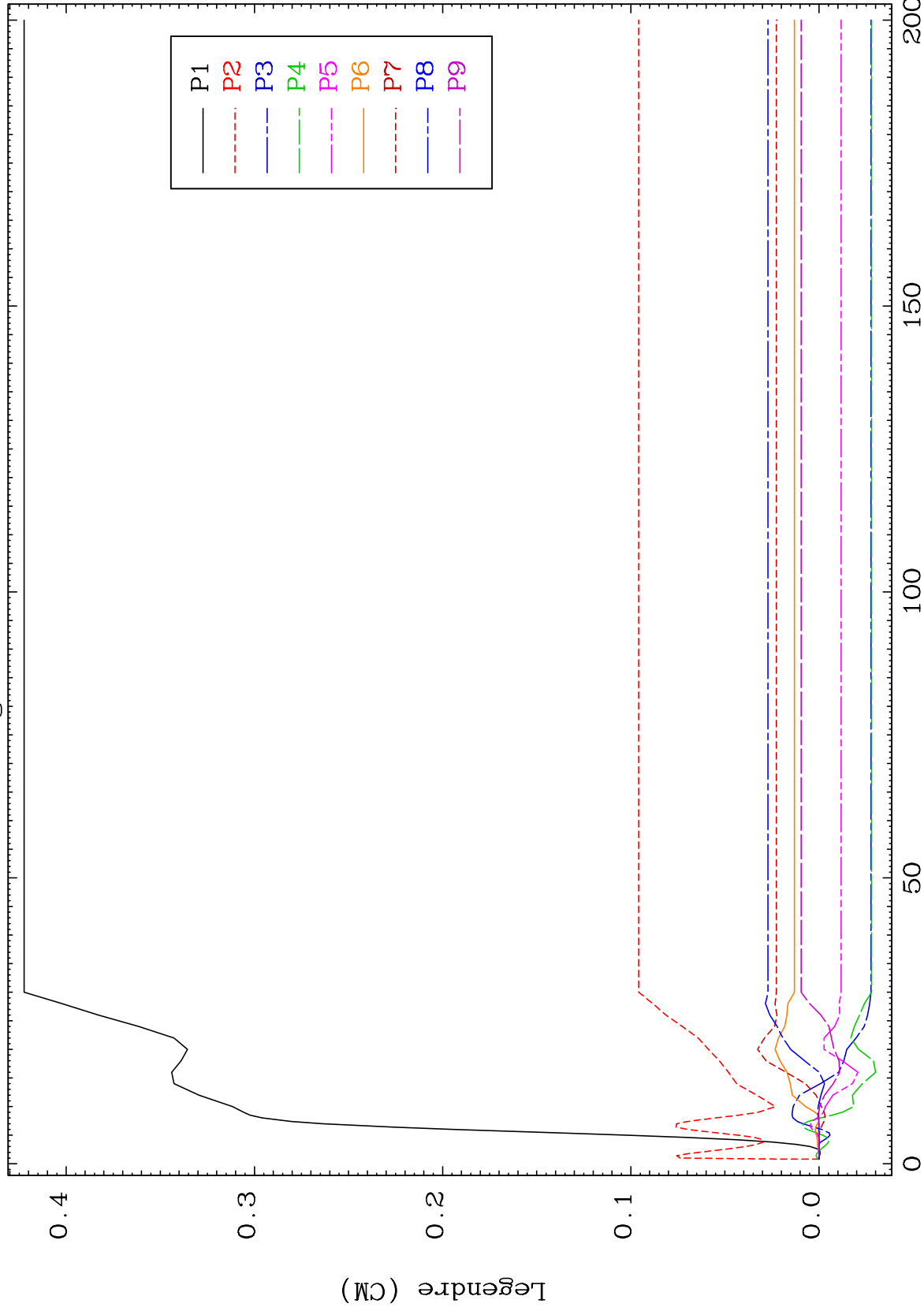
66

54-Xe-127

MAT 5434

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

54-Xe-127



67

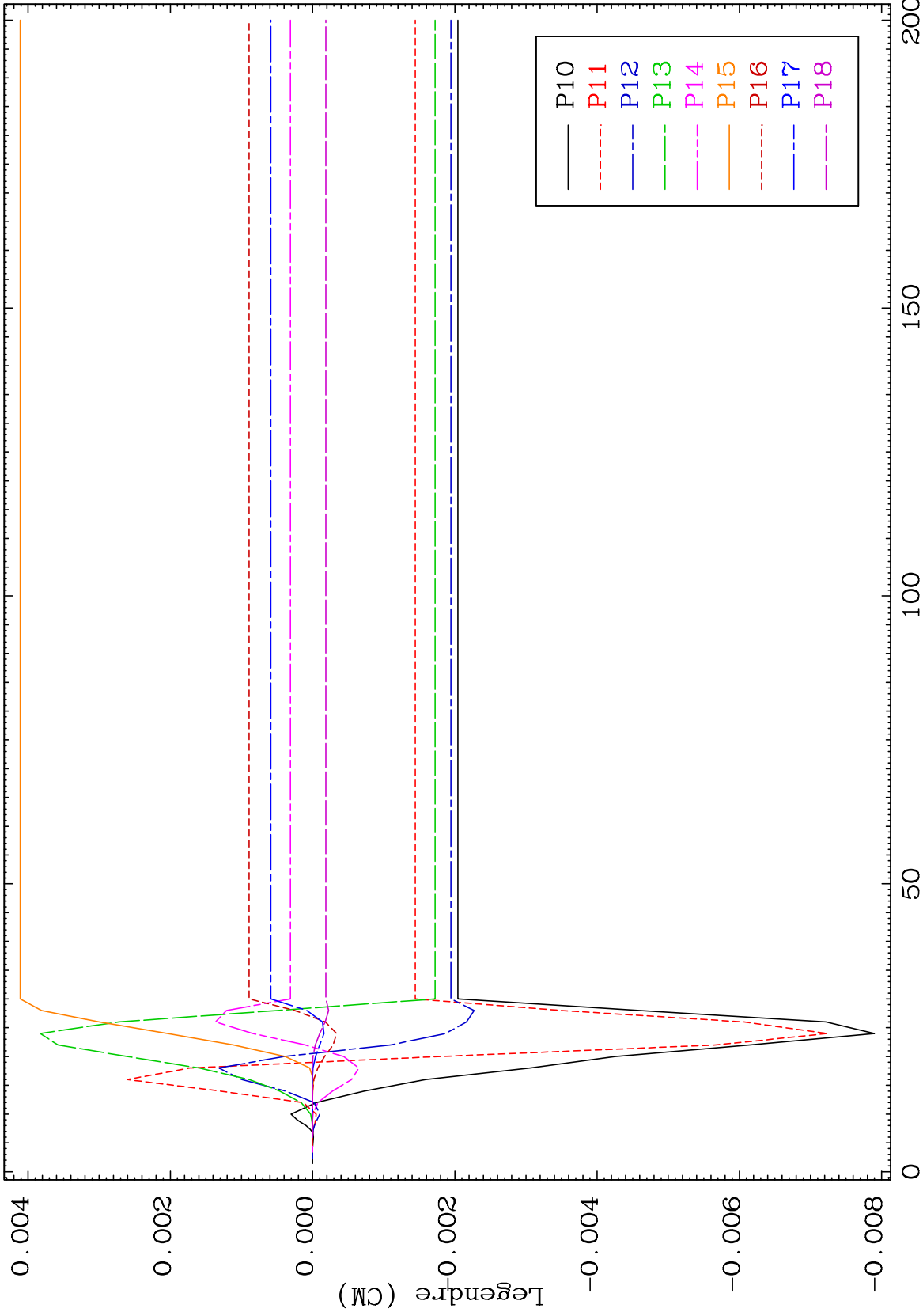
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



68

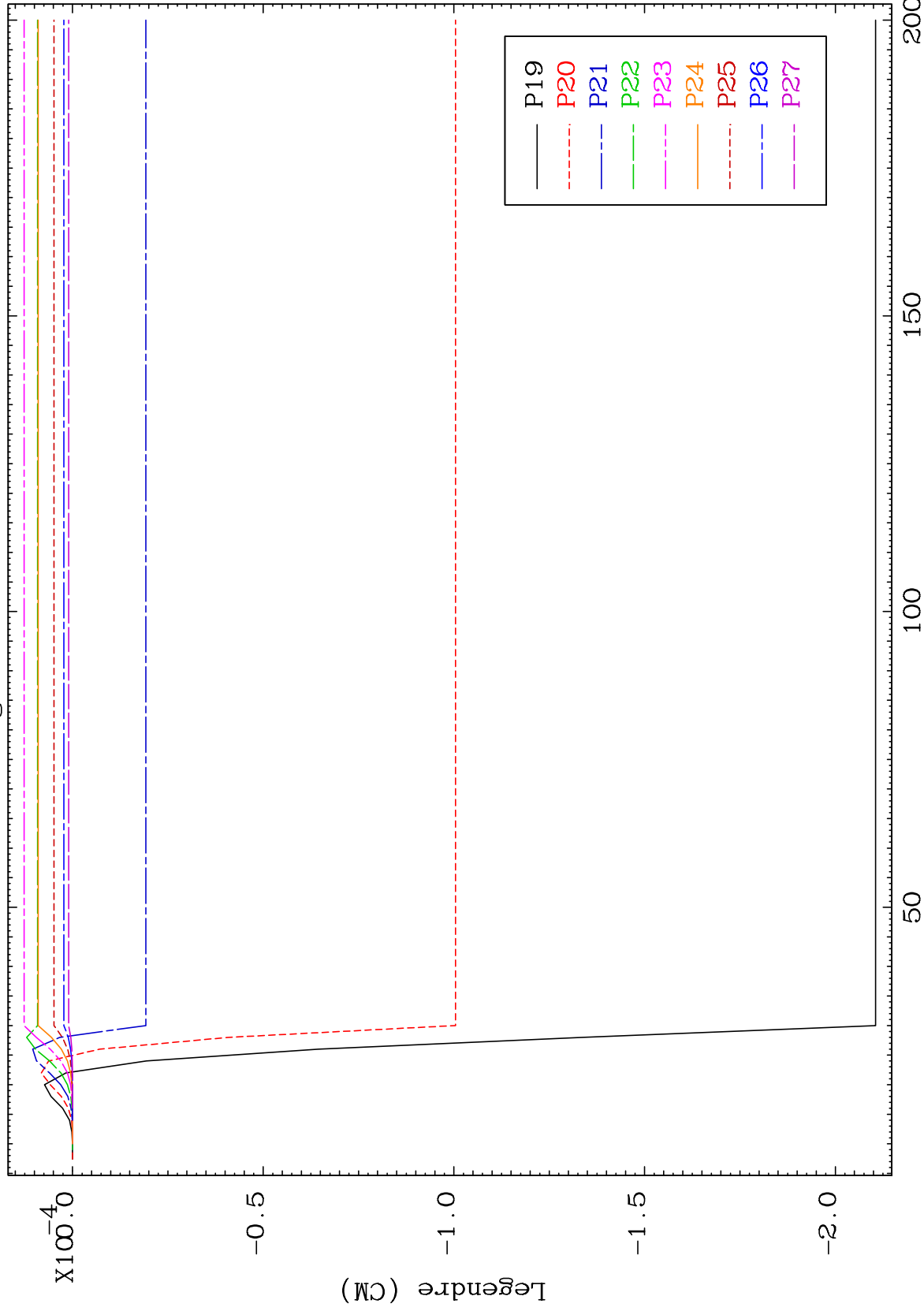
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



69

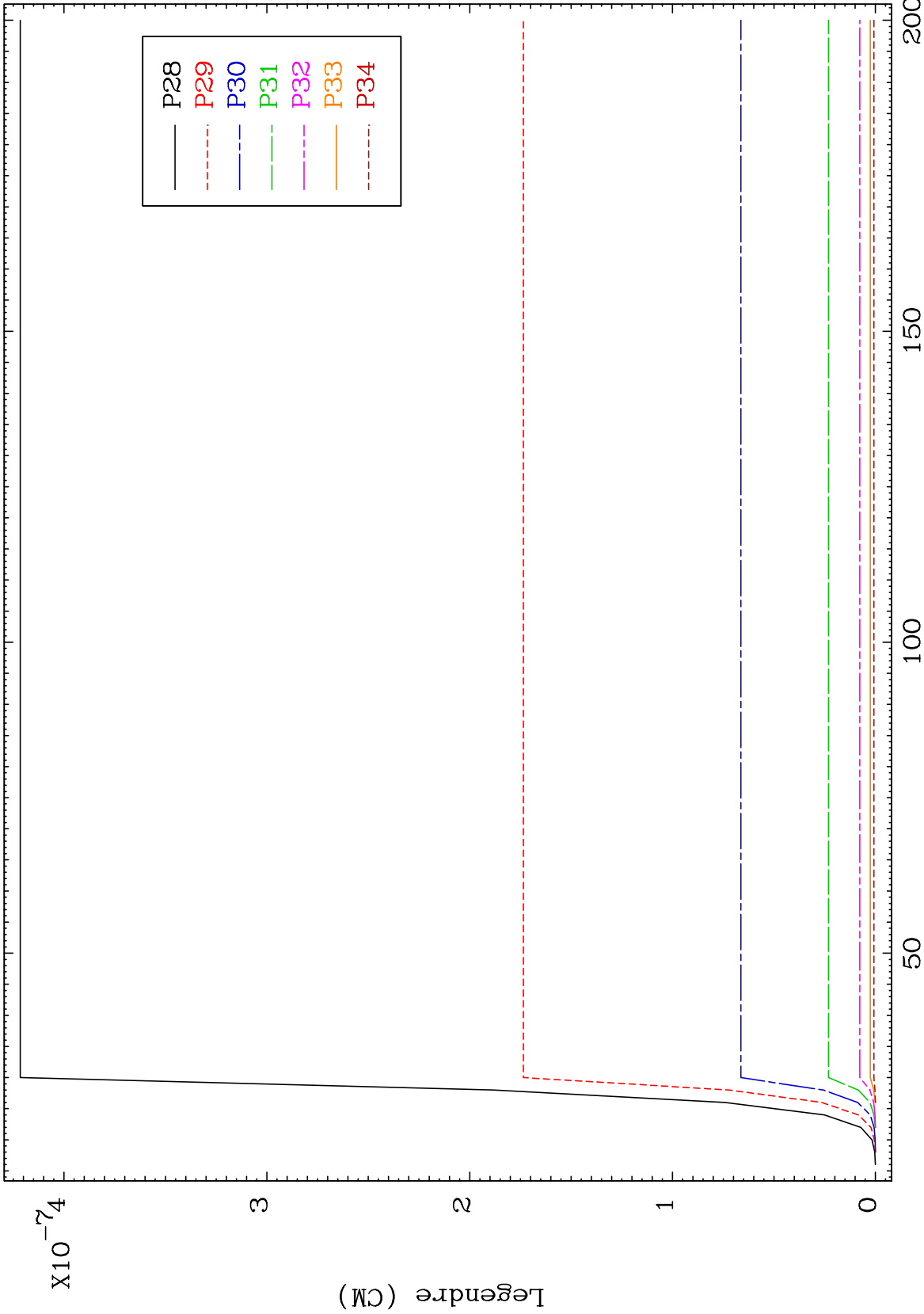
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127

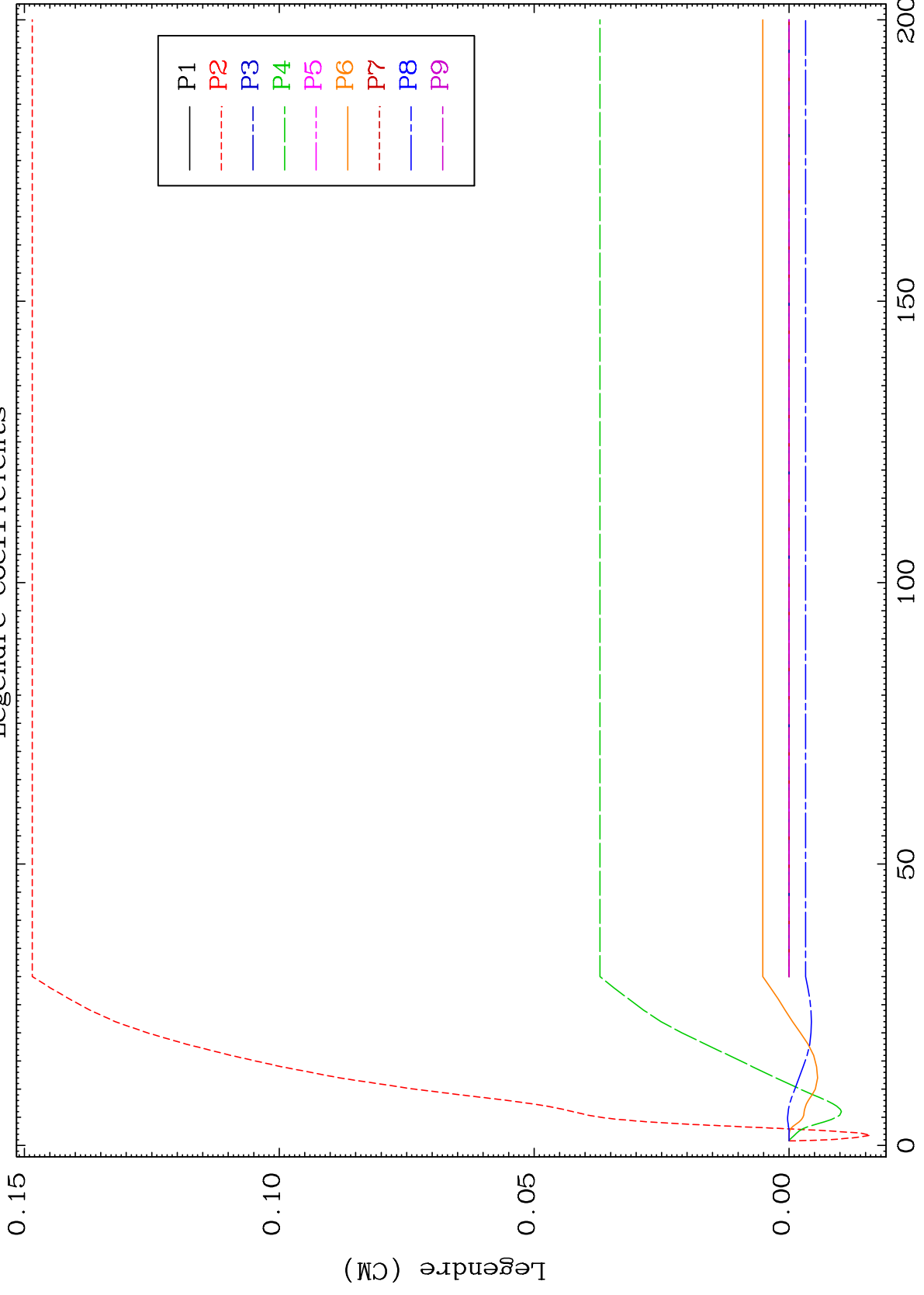


70

Incident Energy (MeV)

54-Xe-127

MAT 5434 MT= 67 (n,n') Level Legendre Coefficients 54-Xe-127

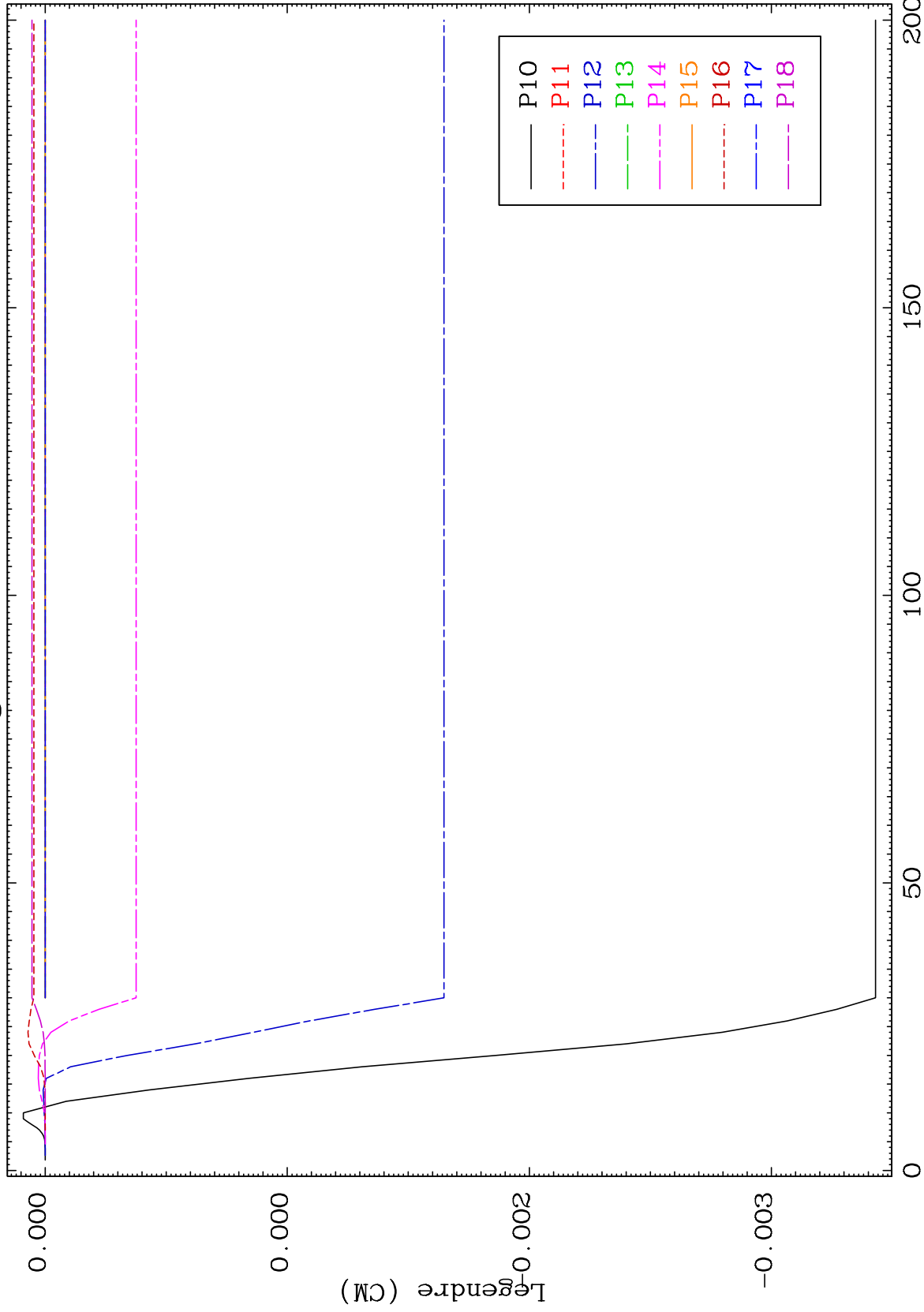


71 54-Xe-127

MAT 5434

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

54-Xe-127



72

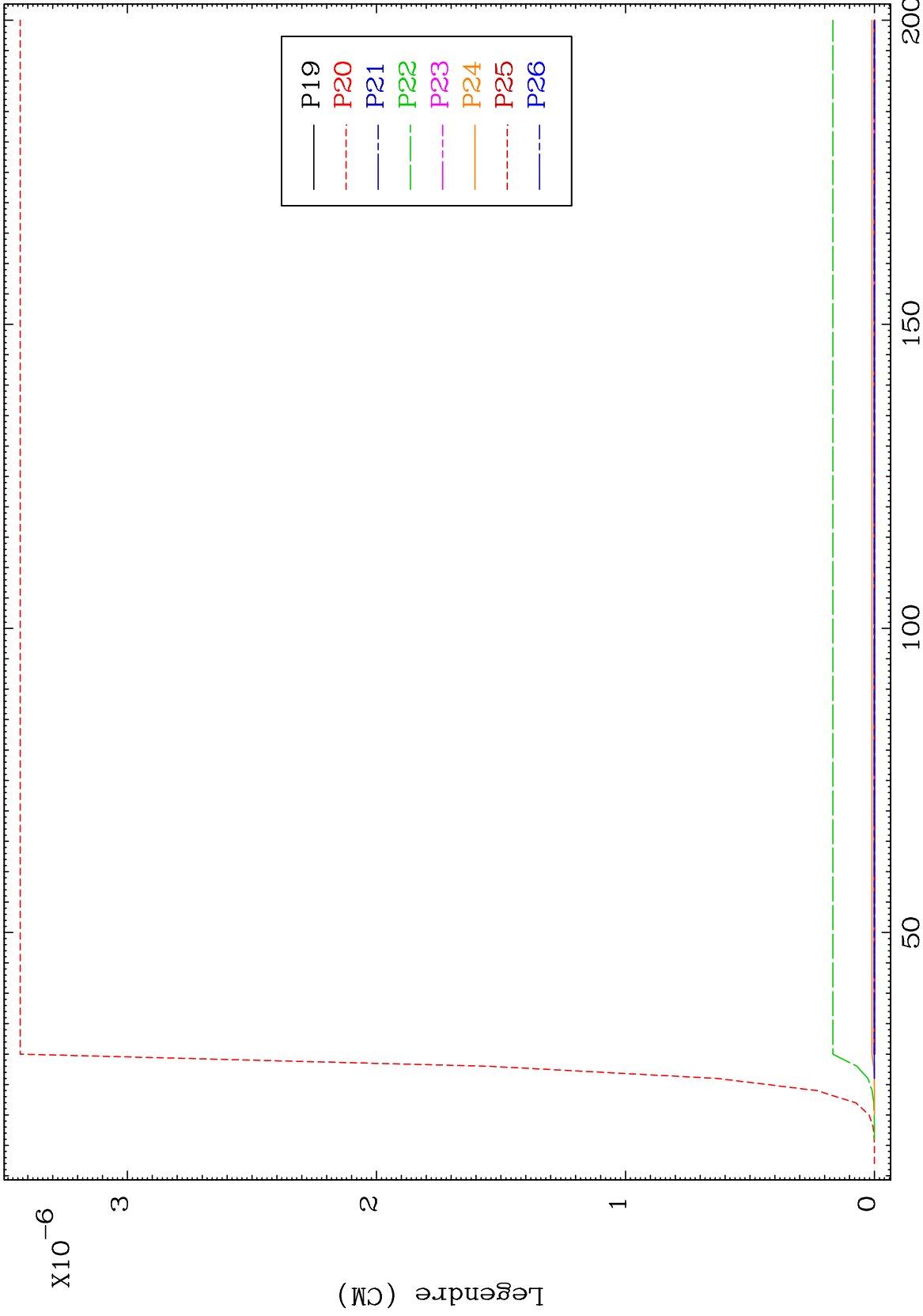
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



73

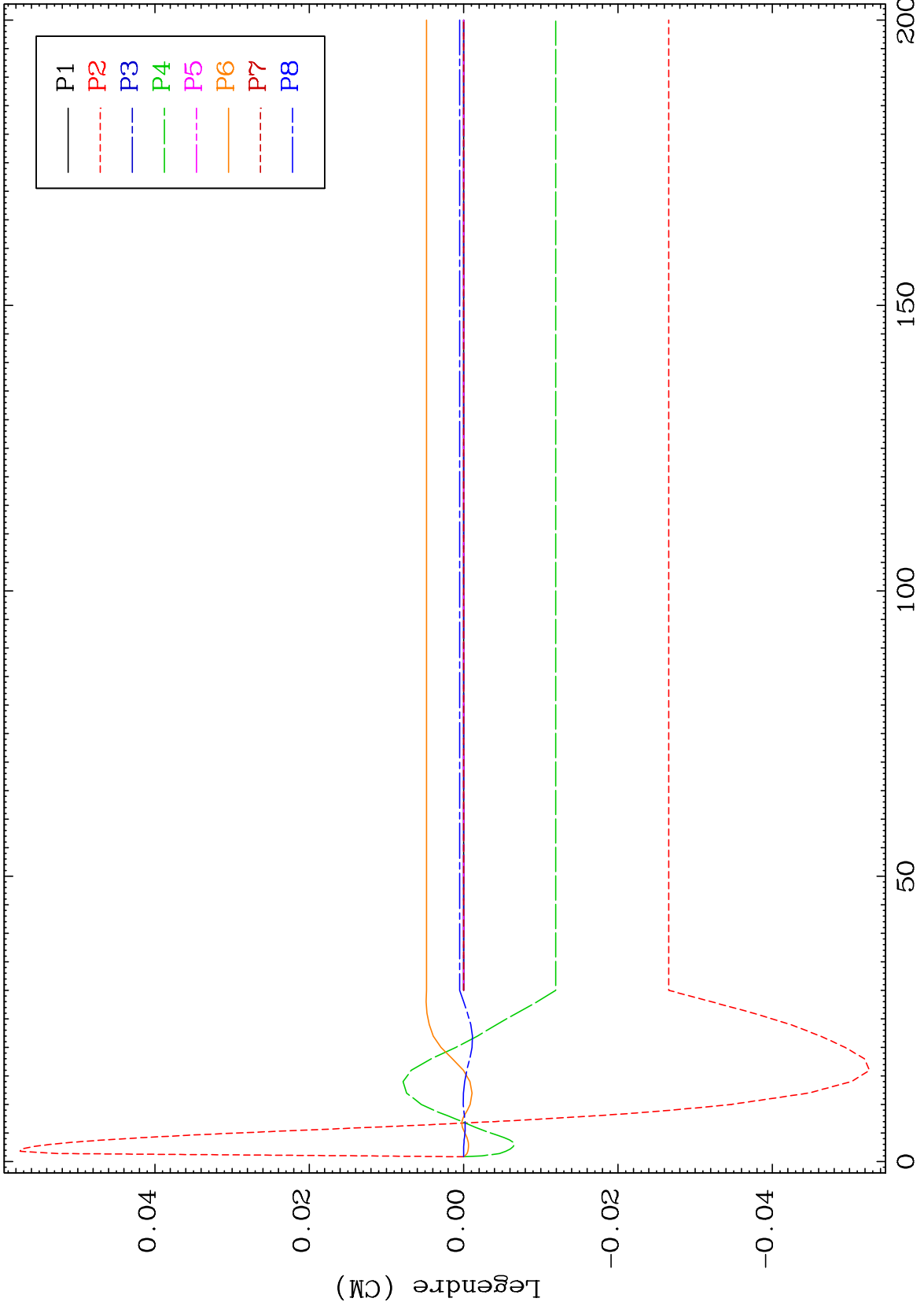
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



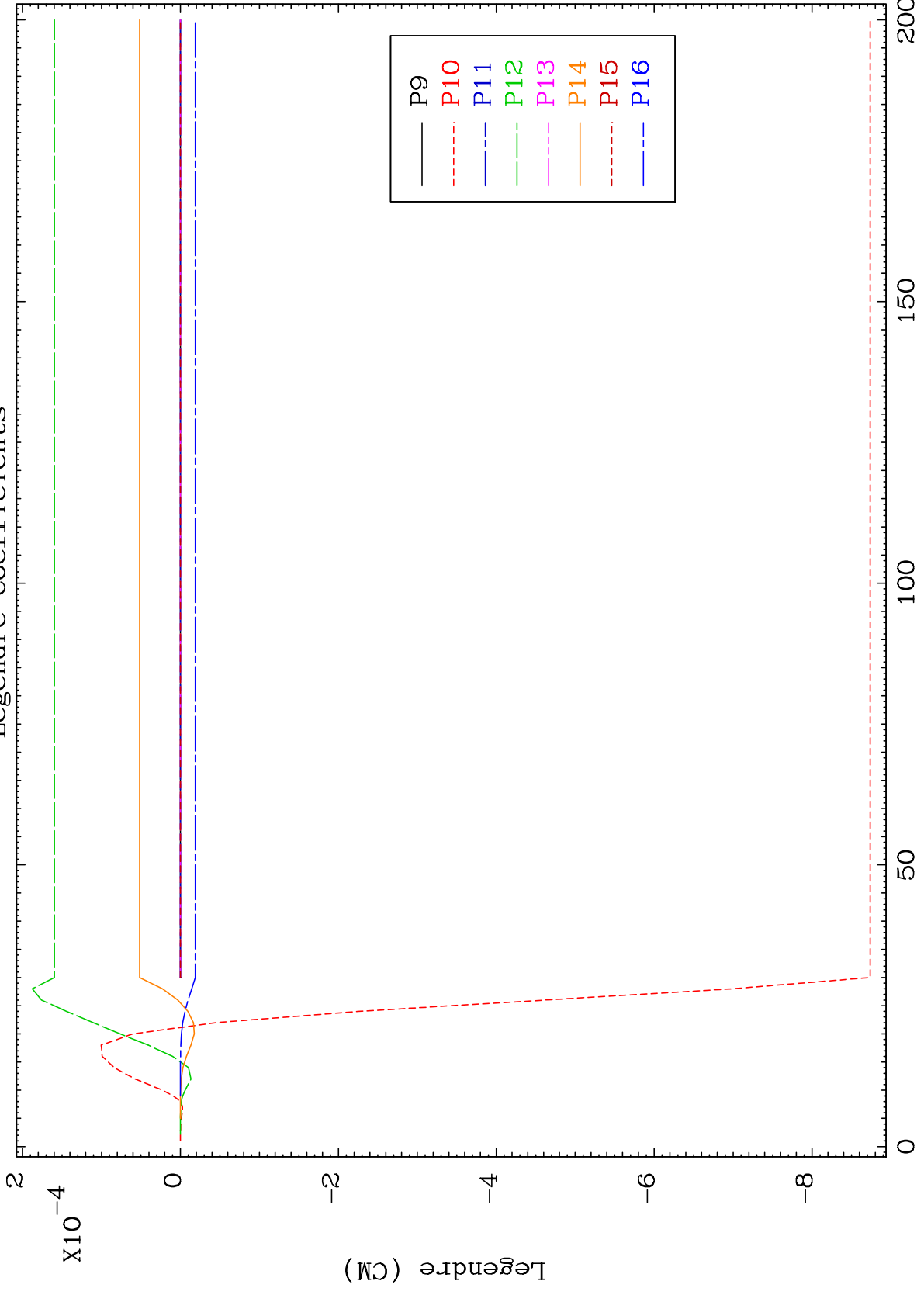
74

54-Xe-127

MAT 5434

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

54-Xe-127



75

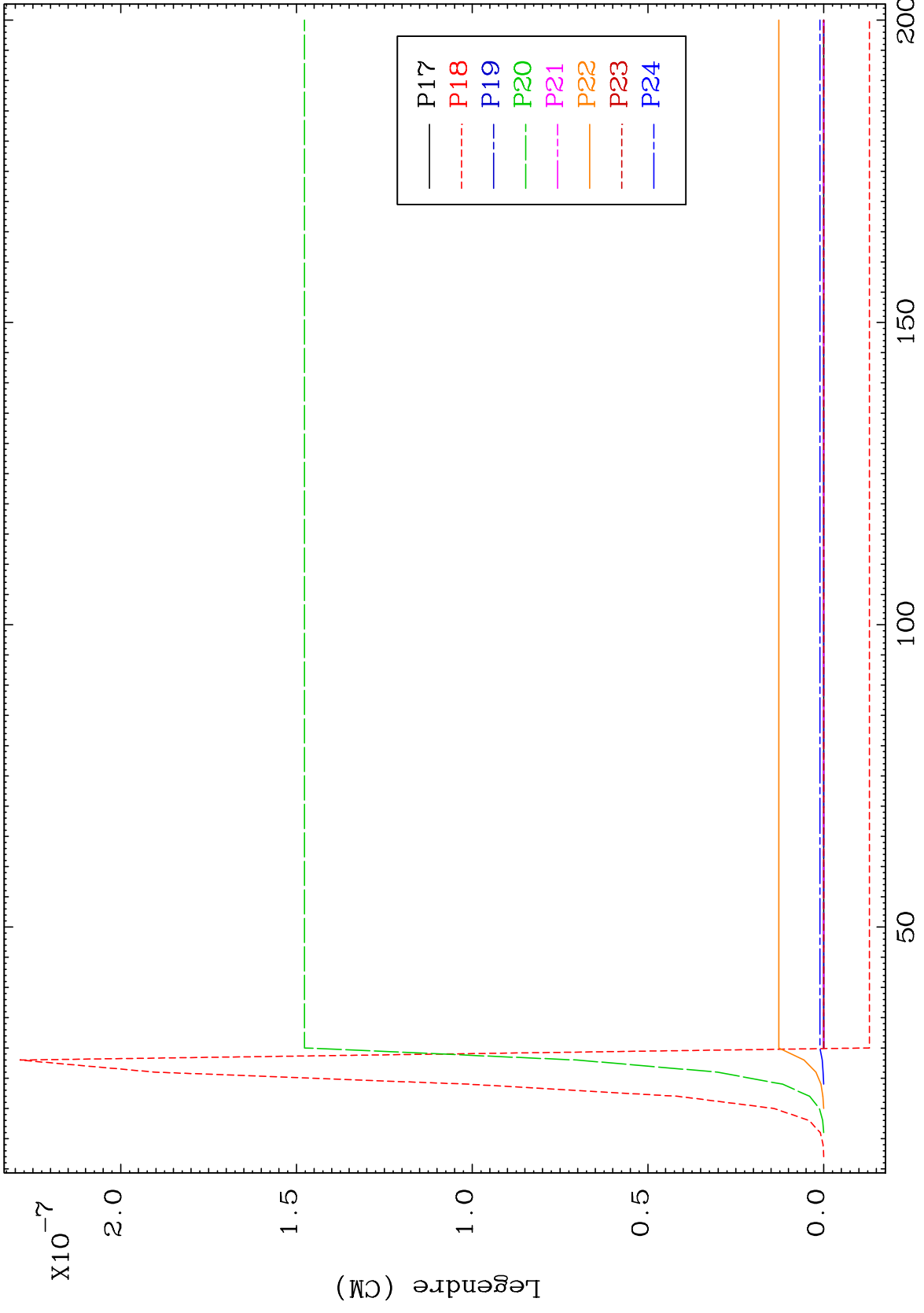
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



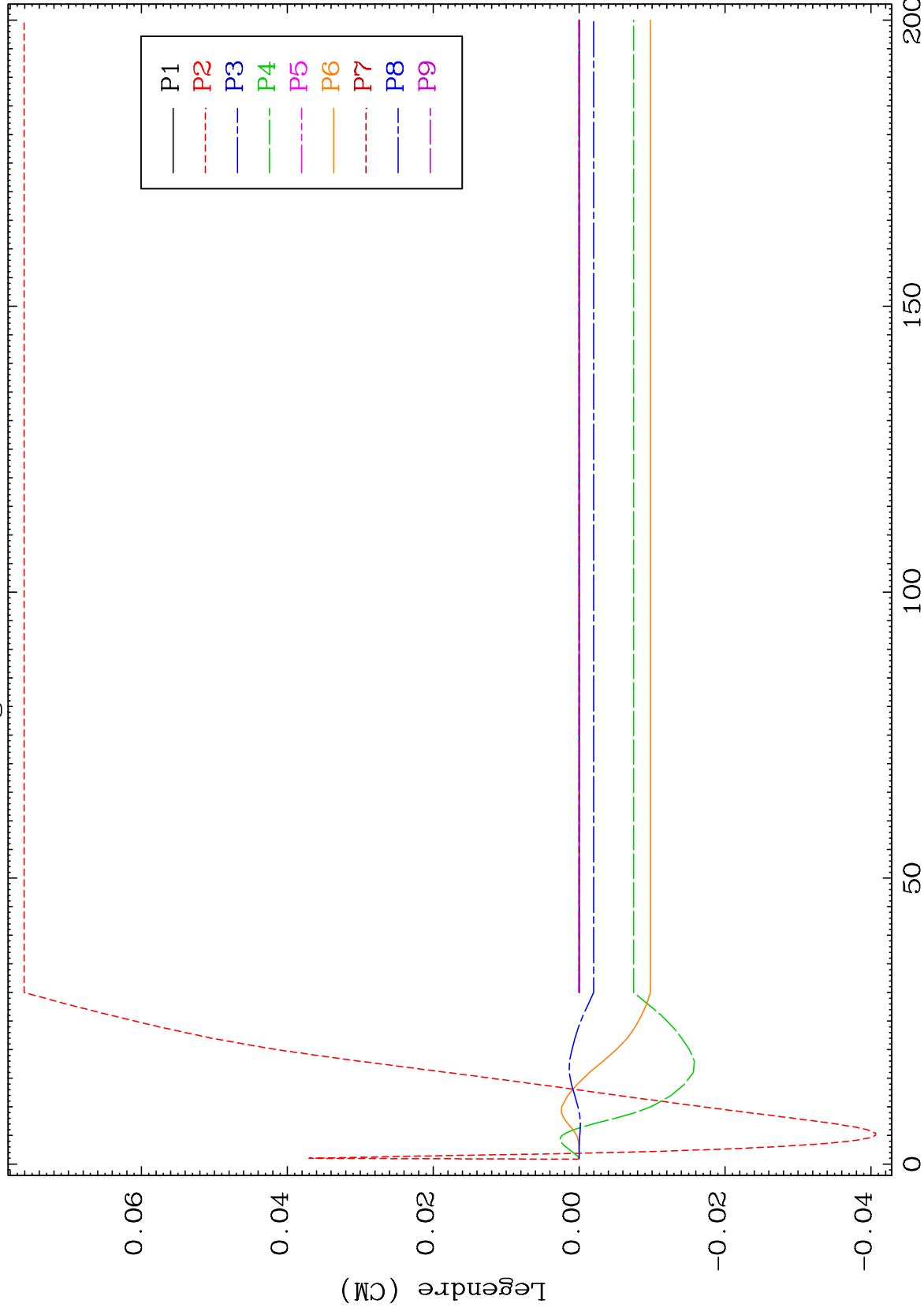
76

54-Xe-127

MAT 5434

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

54-Xe-127



77

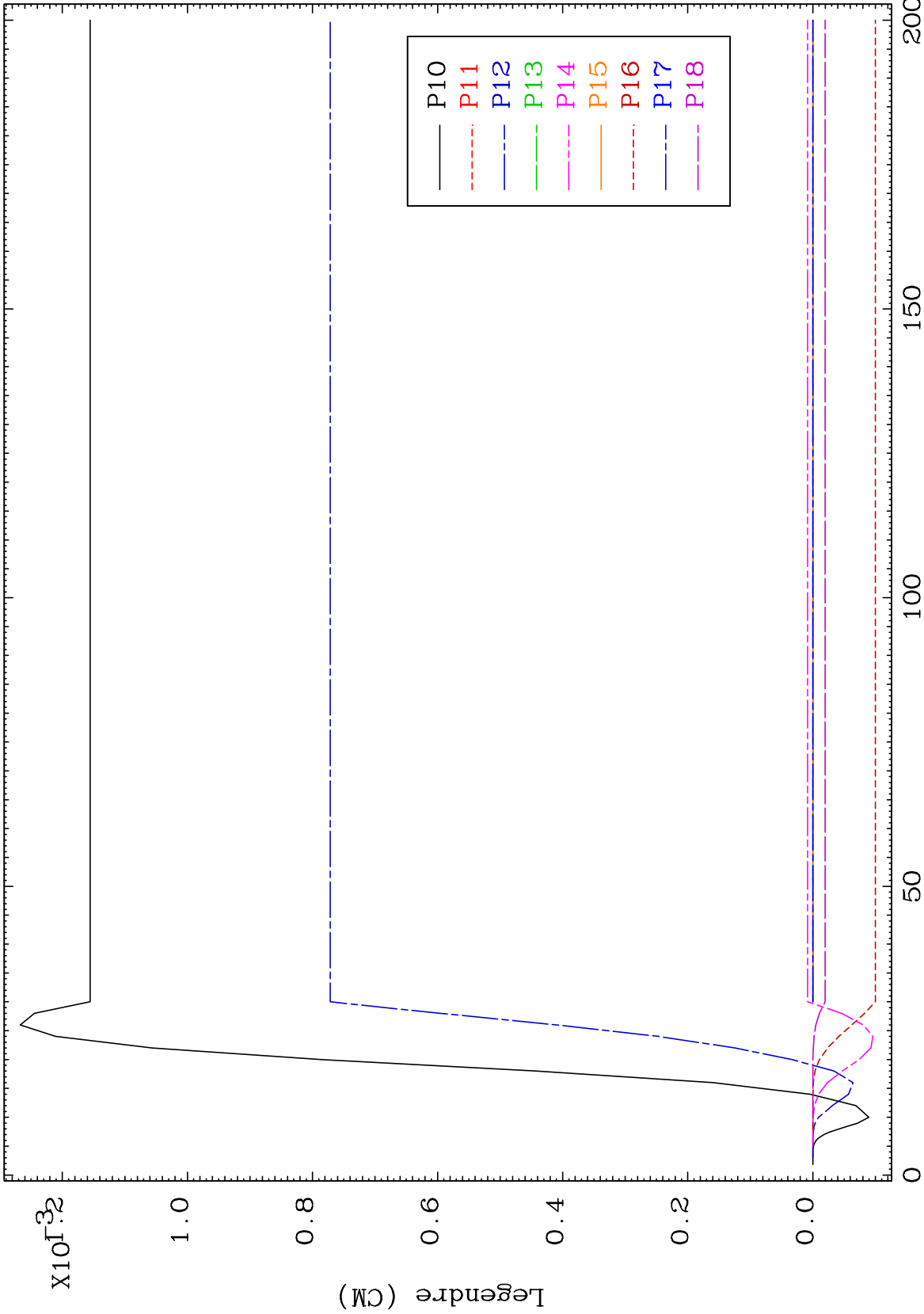
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



78

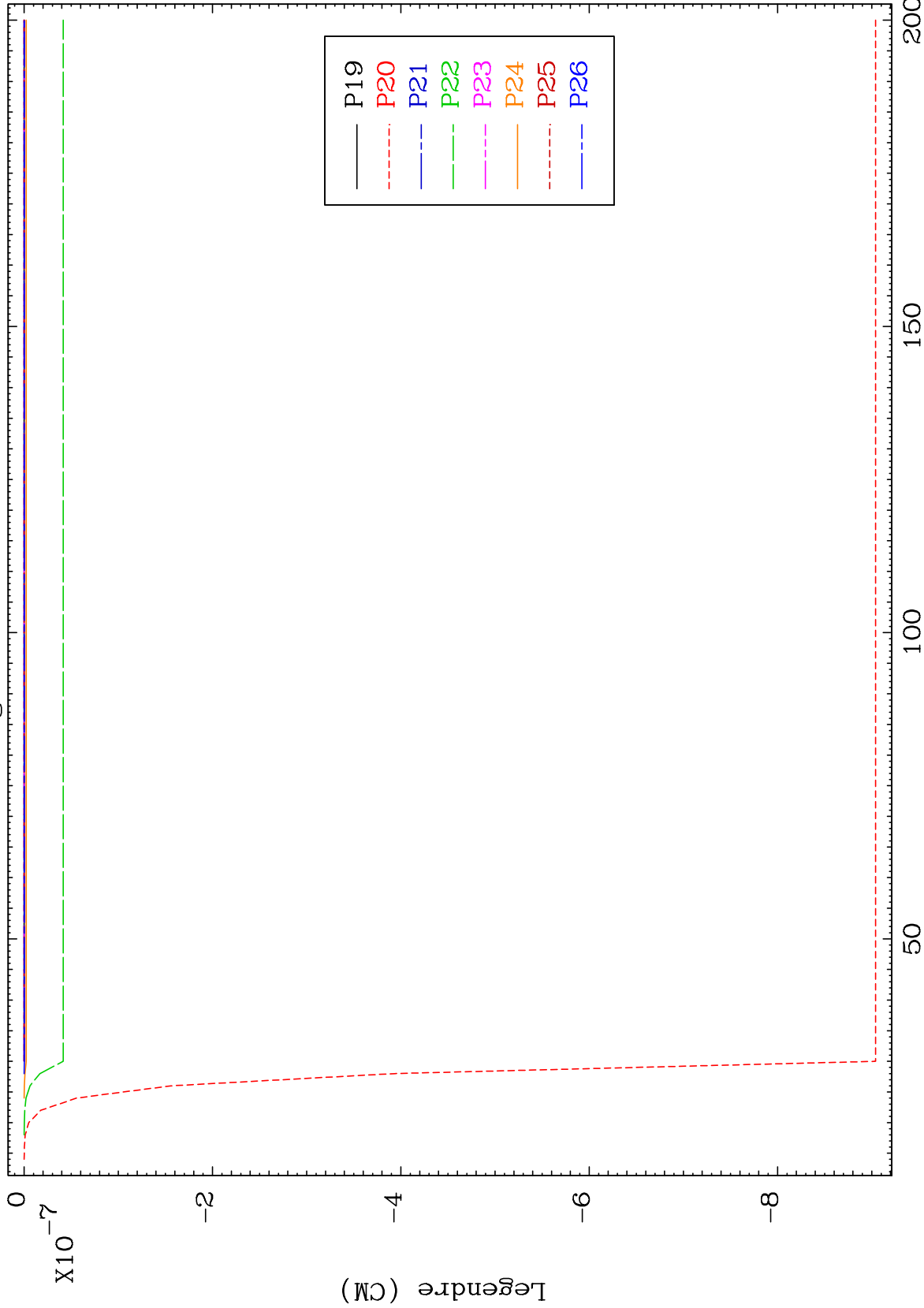
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



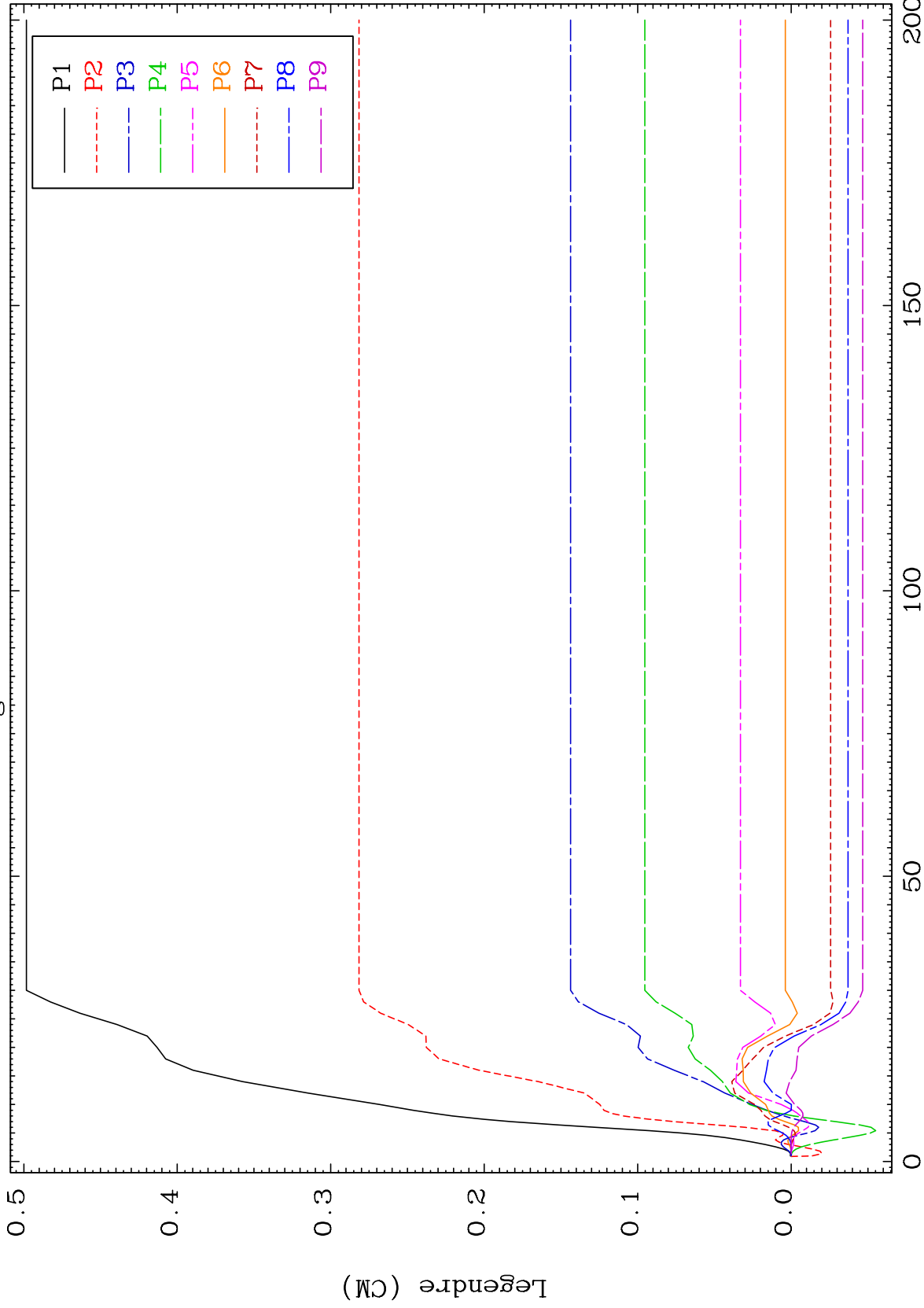
79

54-Xe-127

MAT 5434

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

54-Xe-127



80

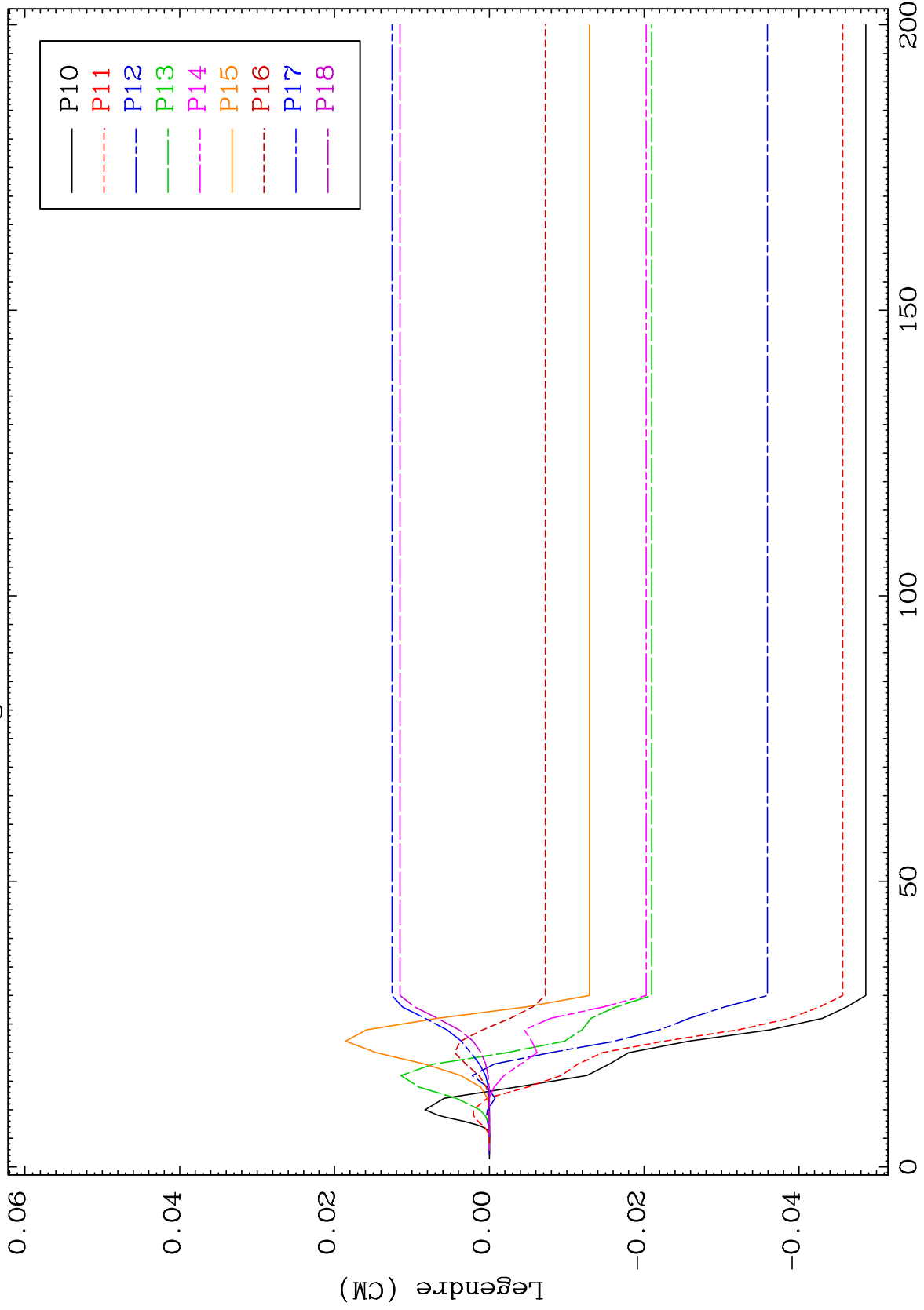
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



81

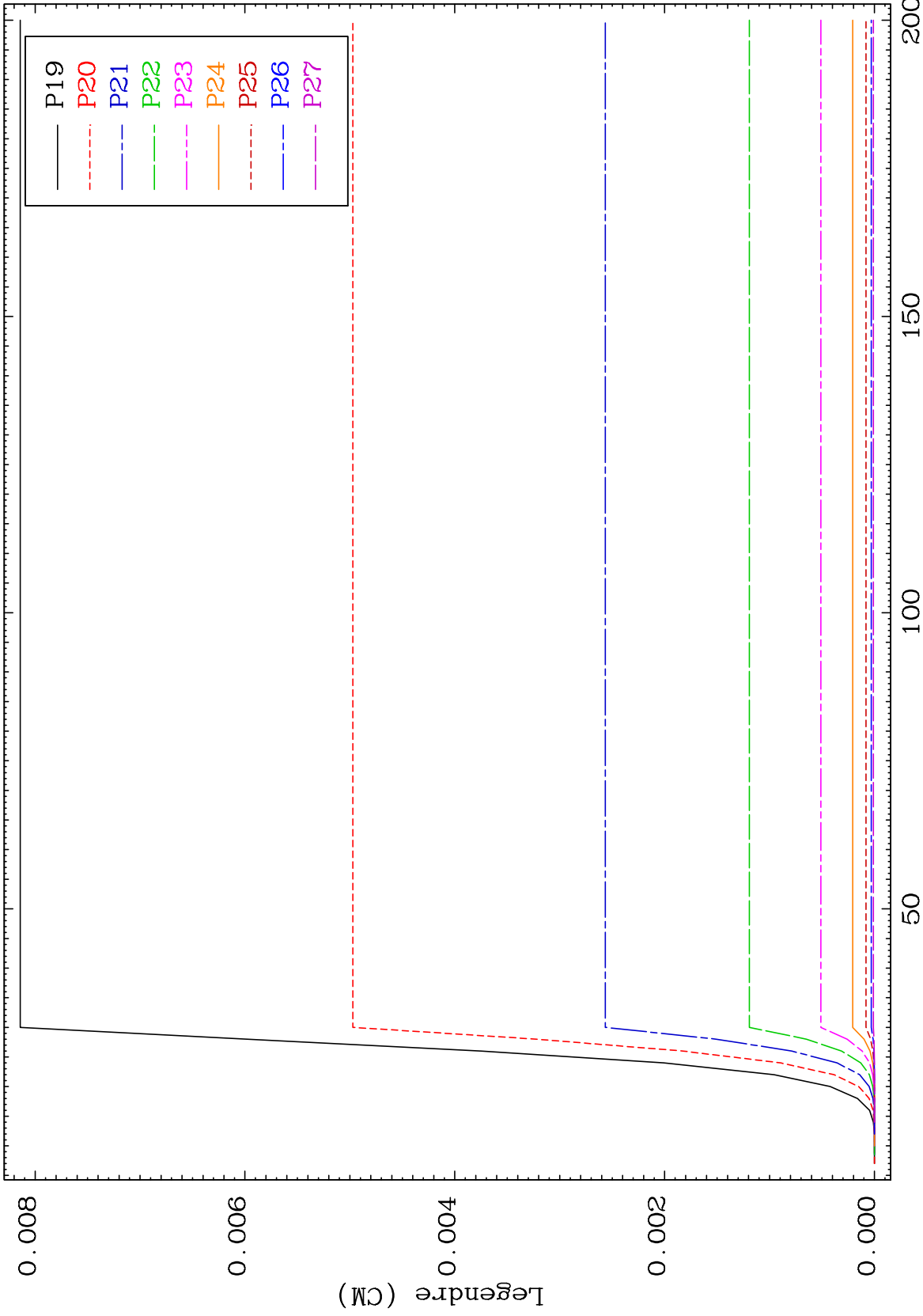
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



82

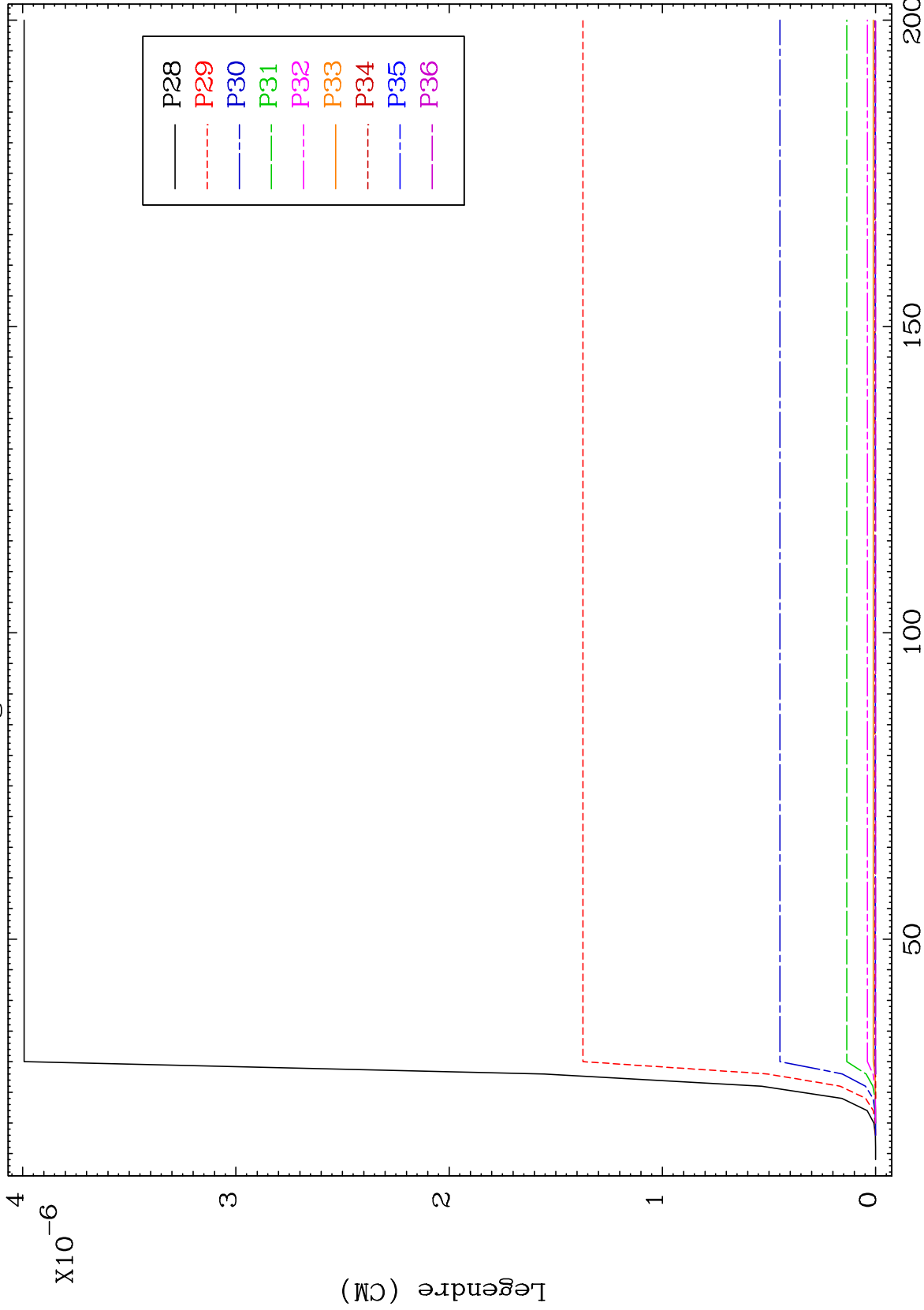
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



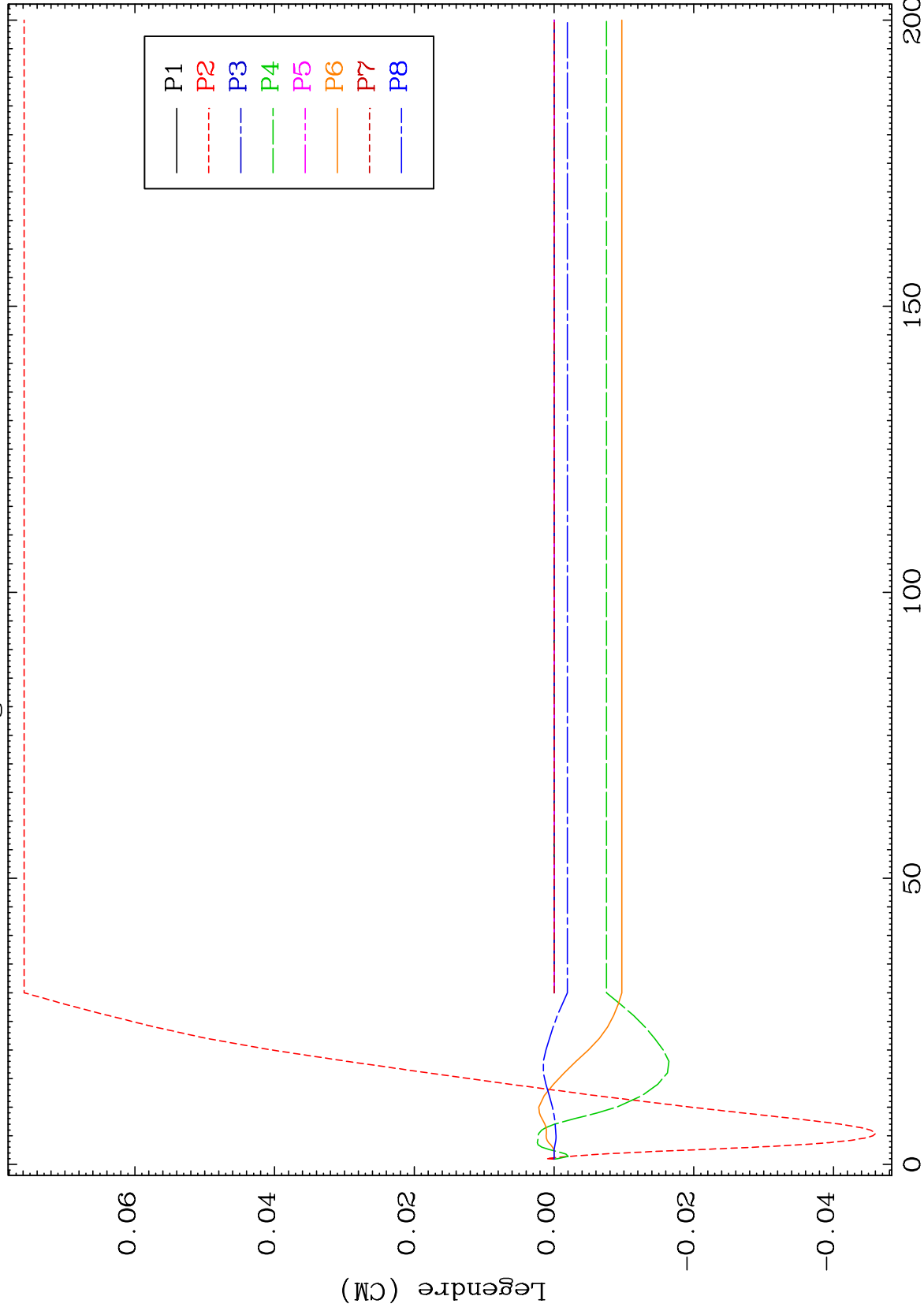
83

54-Xe-127

MAT 5434

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

54-Xe-127



84

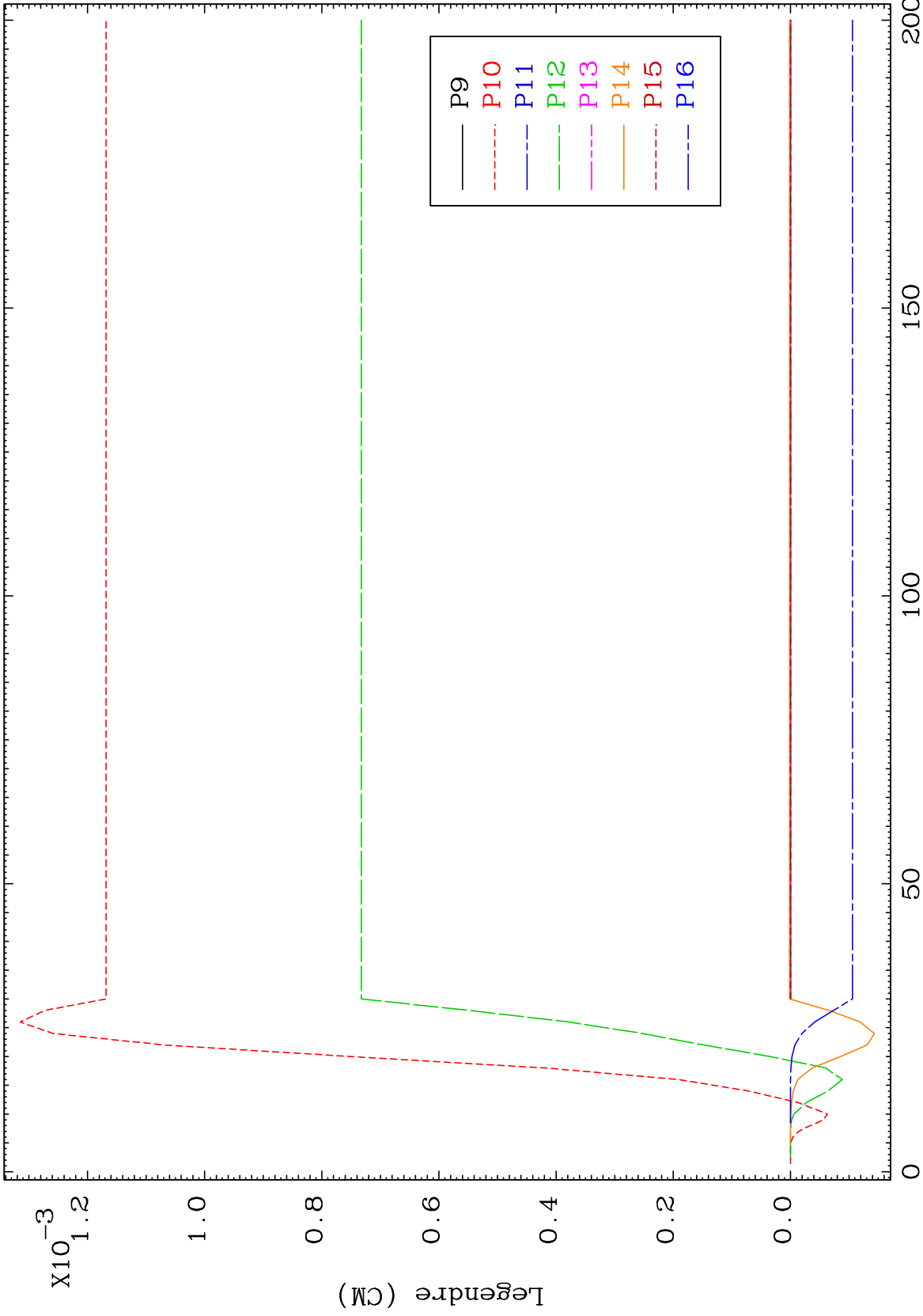
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



85

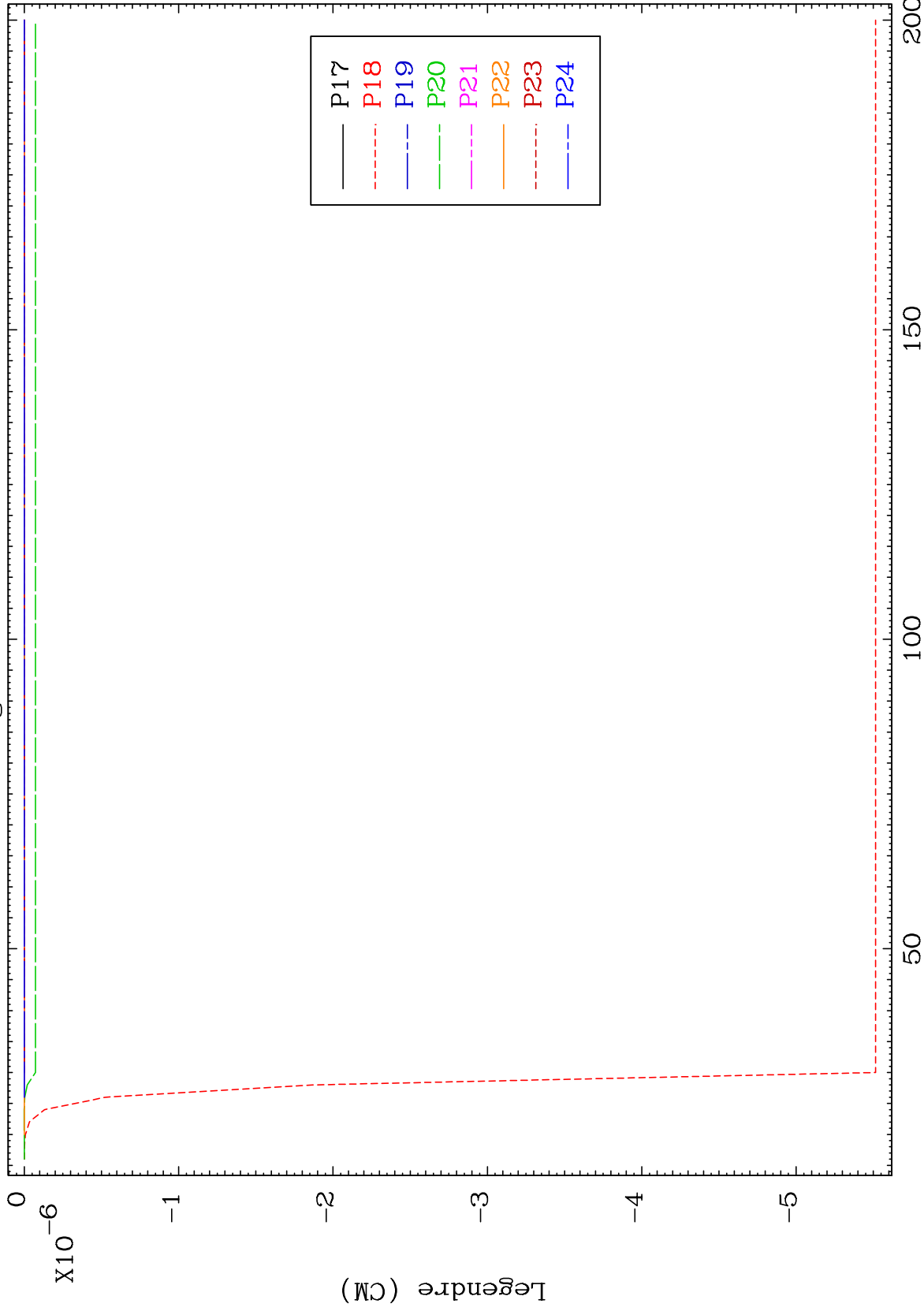
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



86

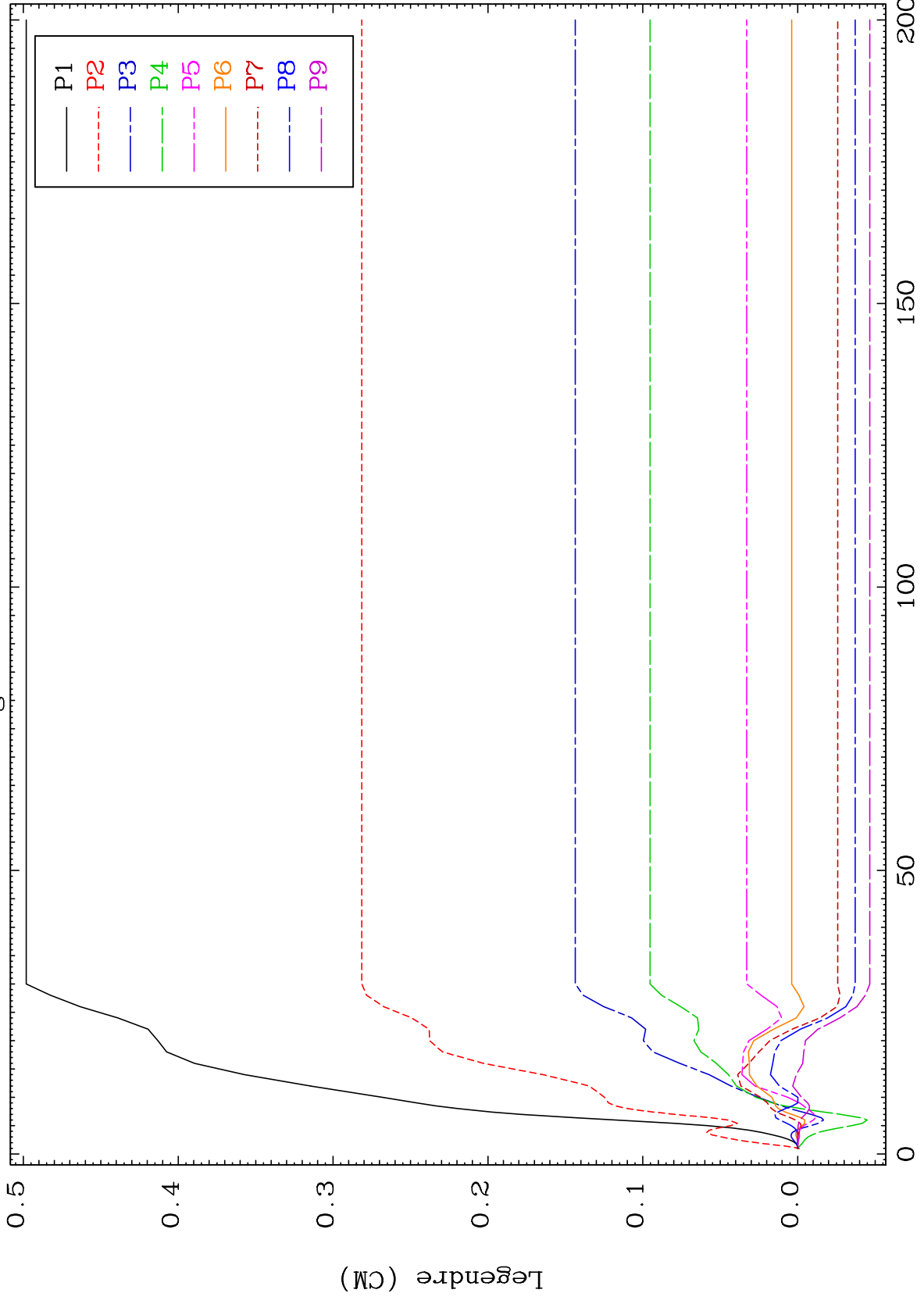
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



87

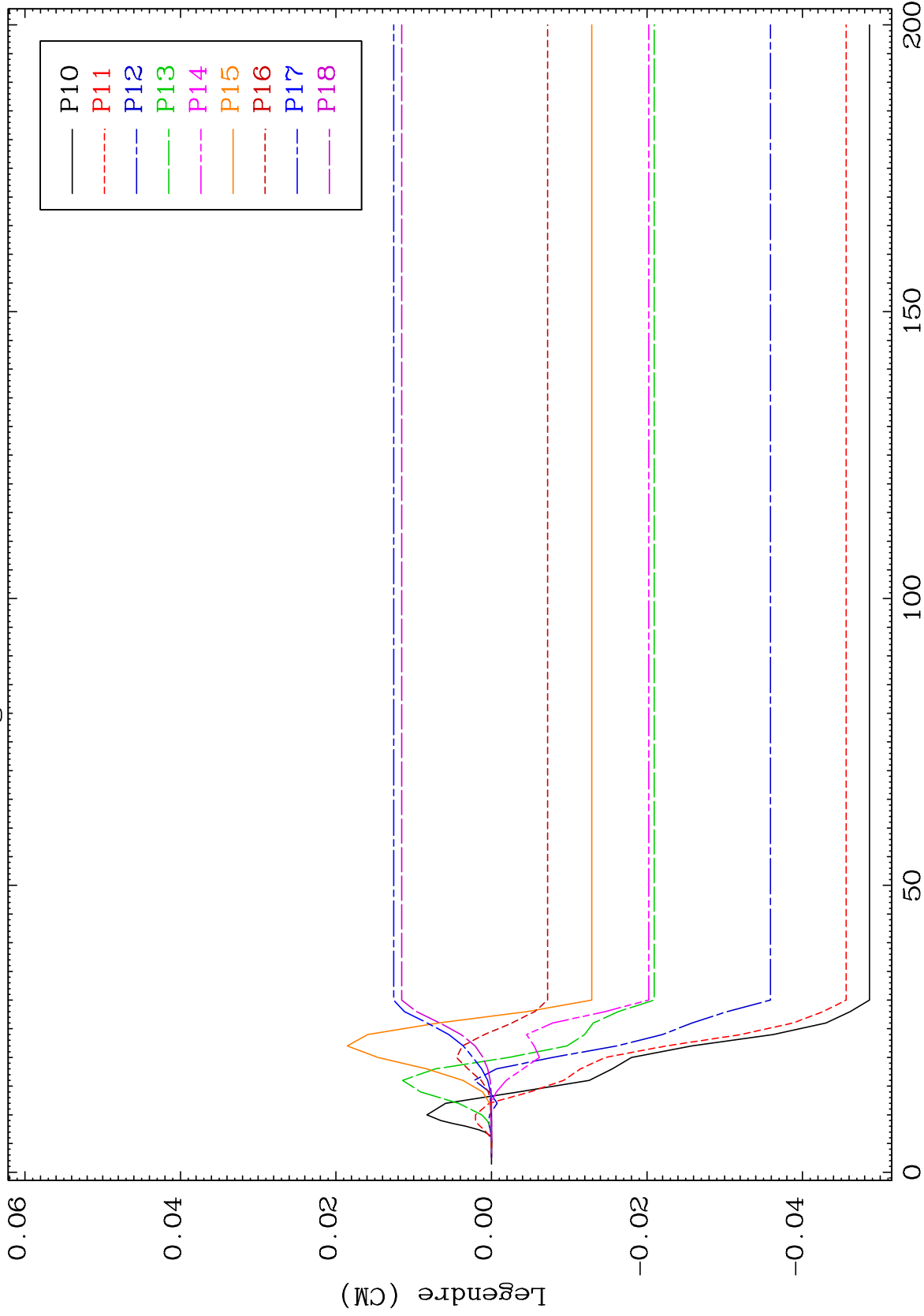
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



88

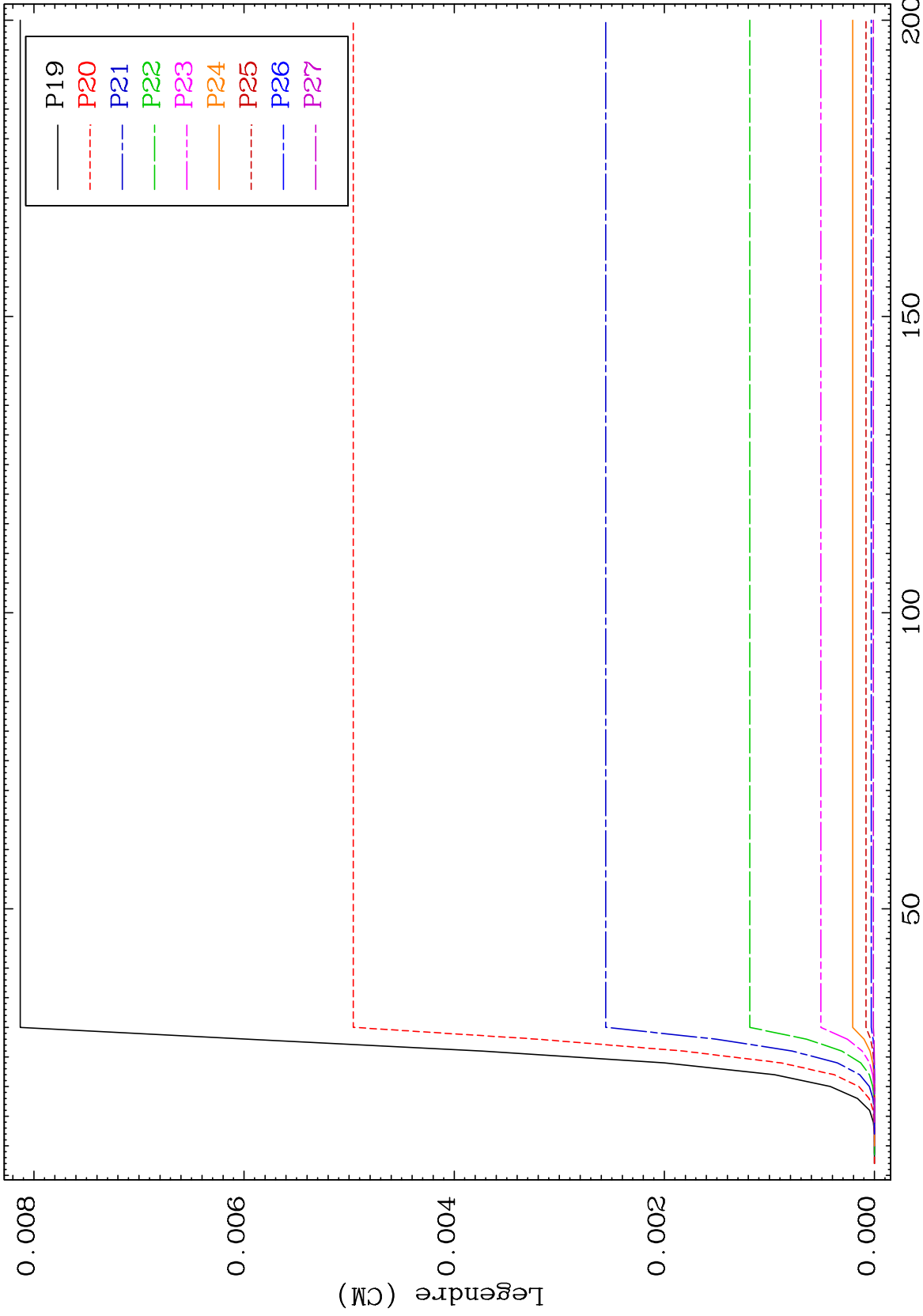
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



89

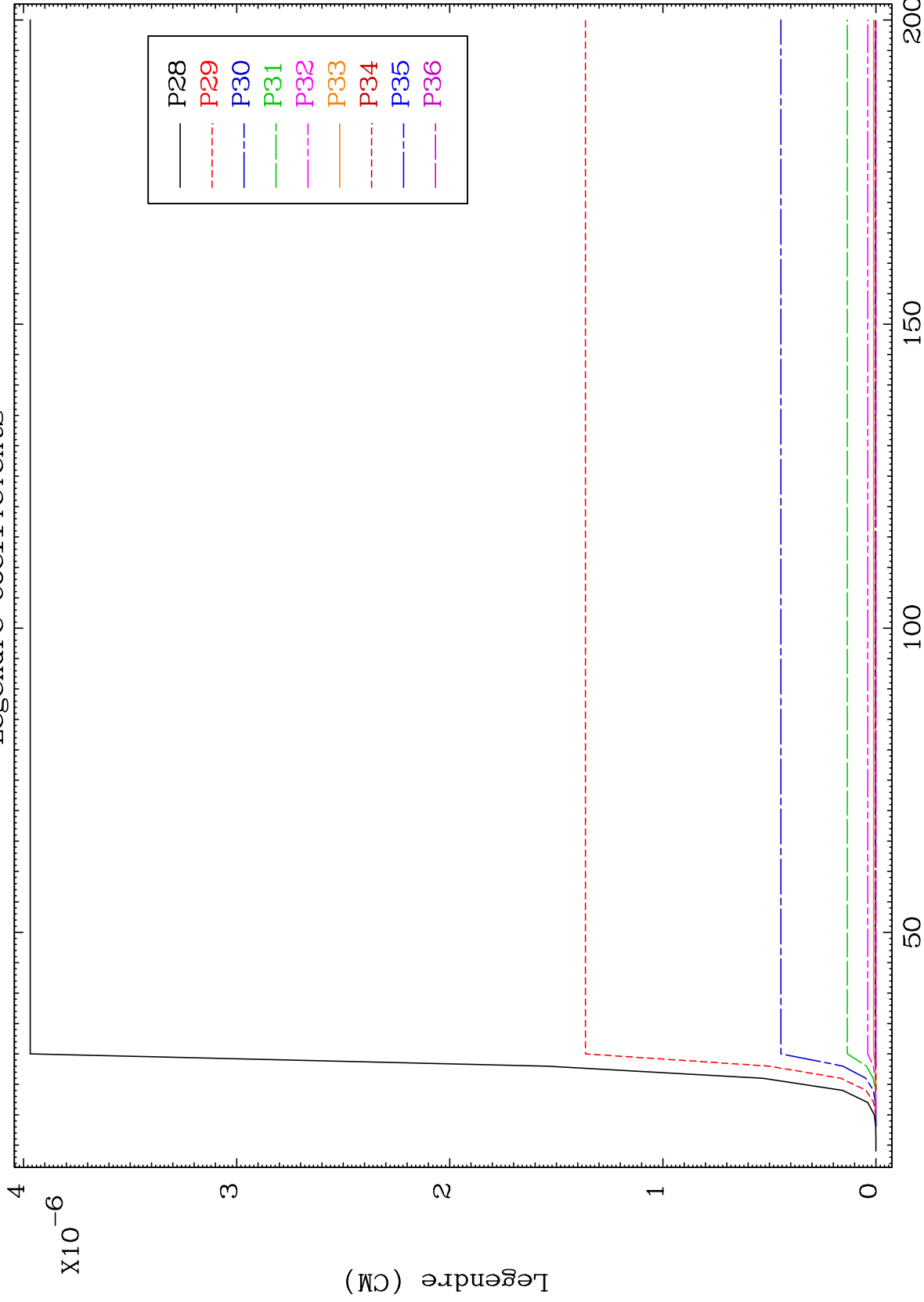
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



90

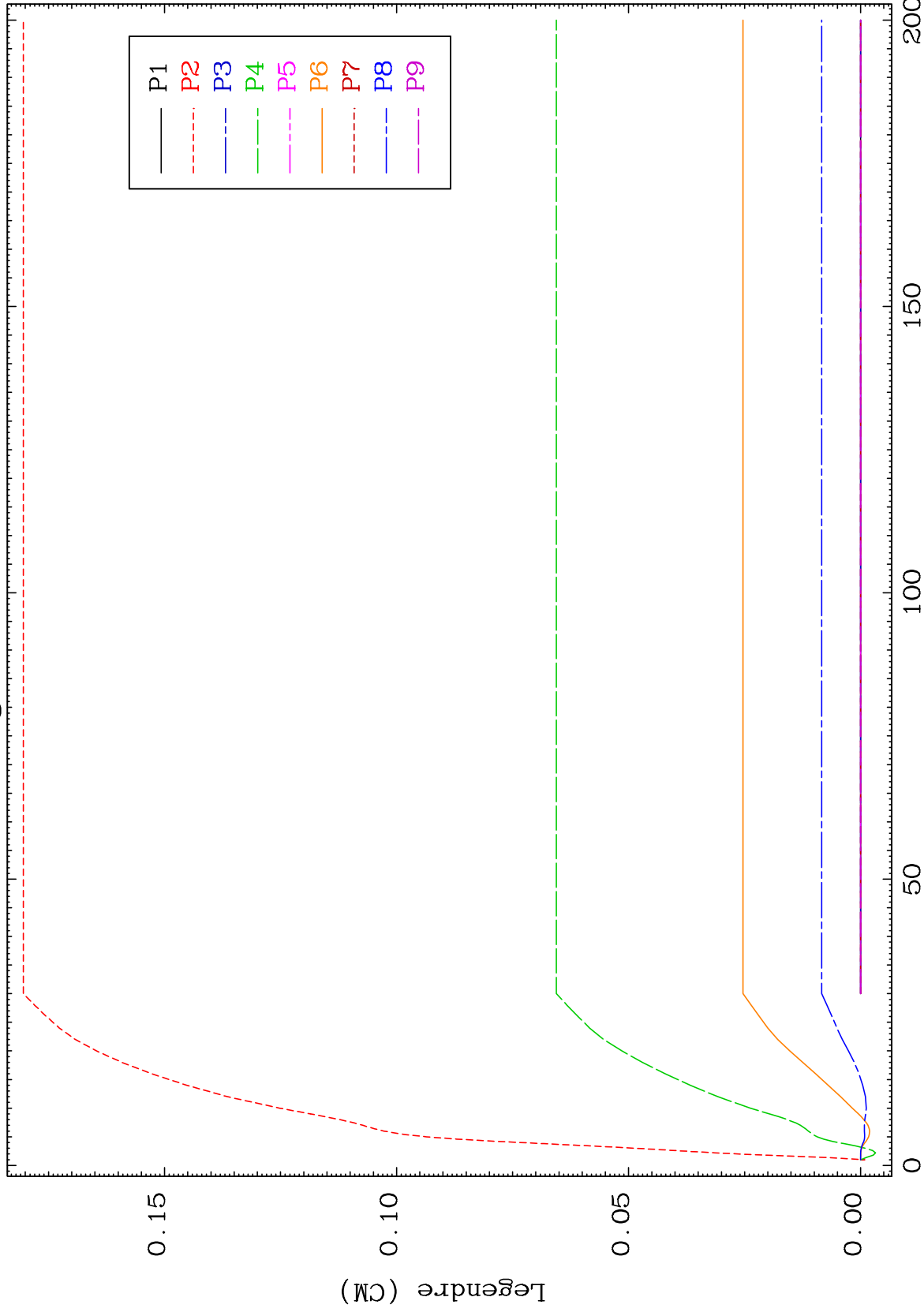
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



91

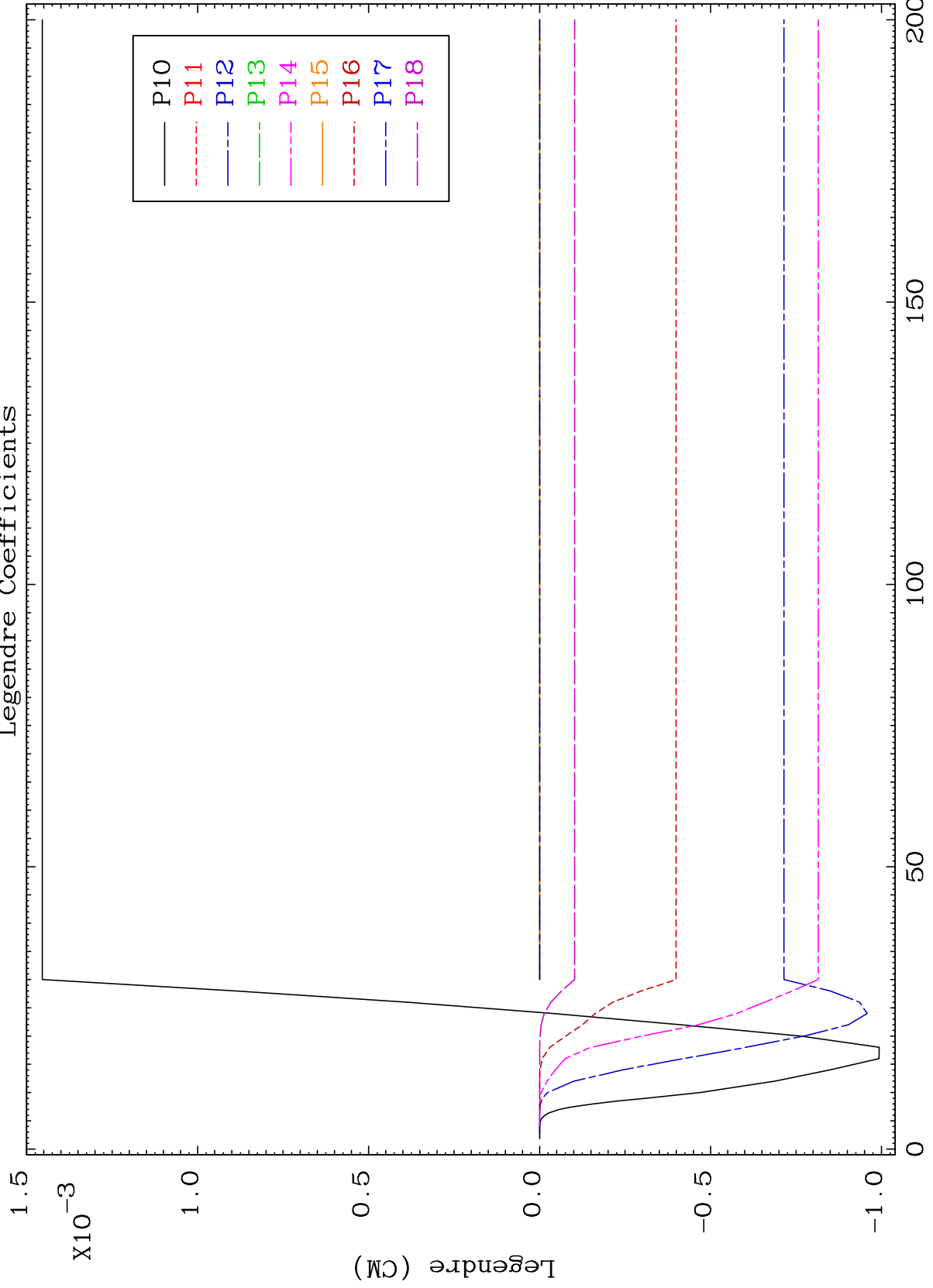
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



92

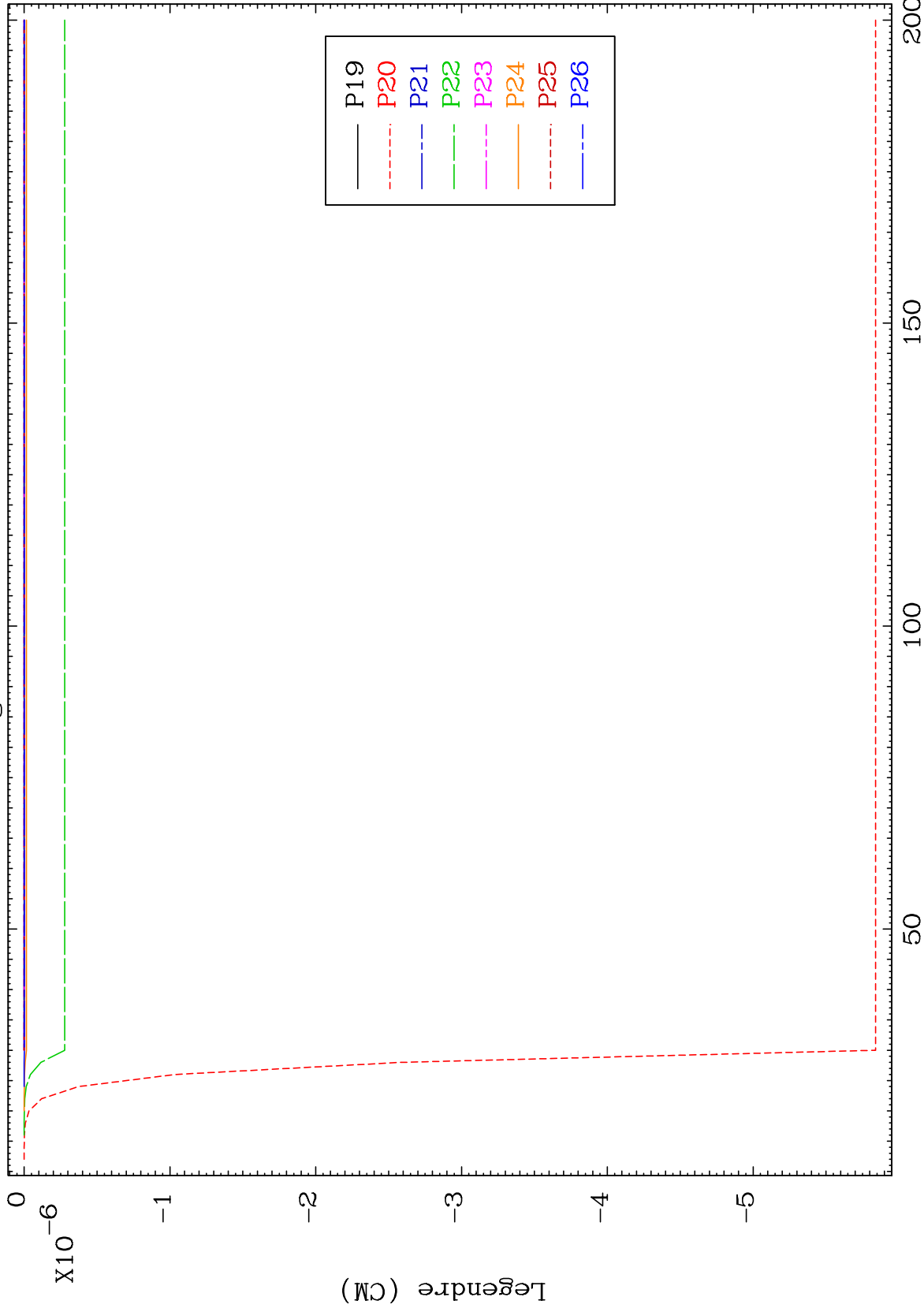
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



93

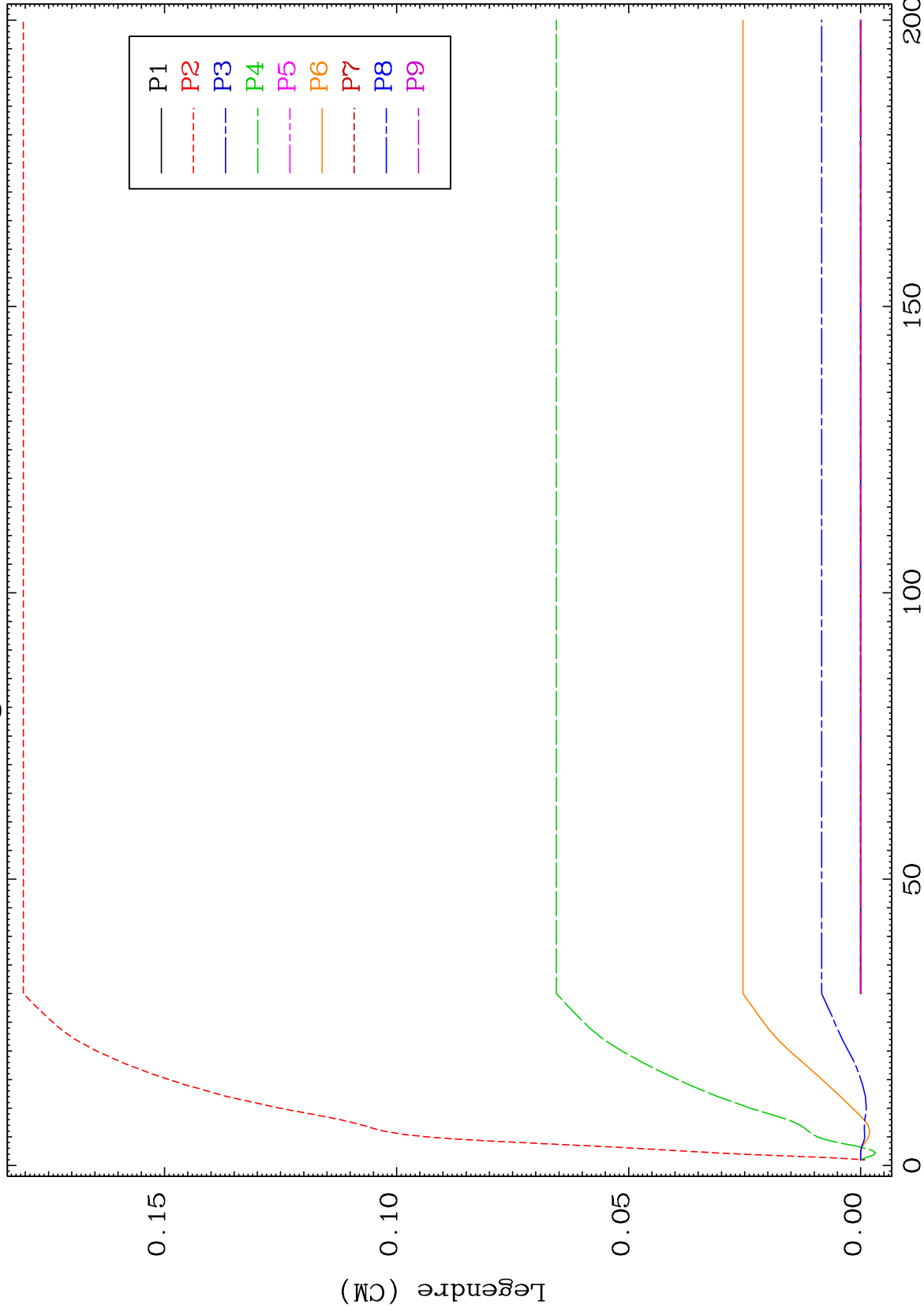
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



94

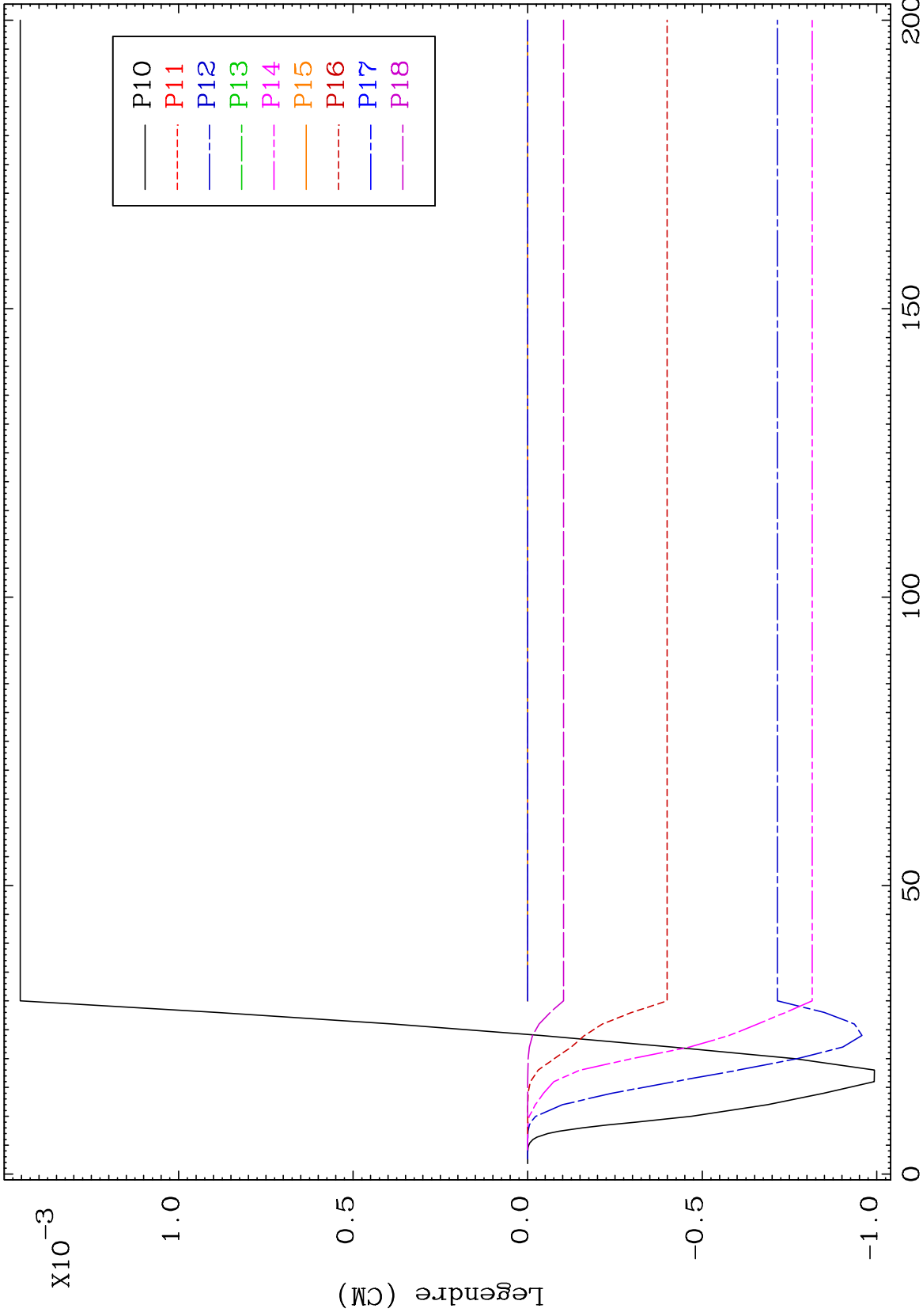
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



95

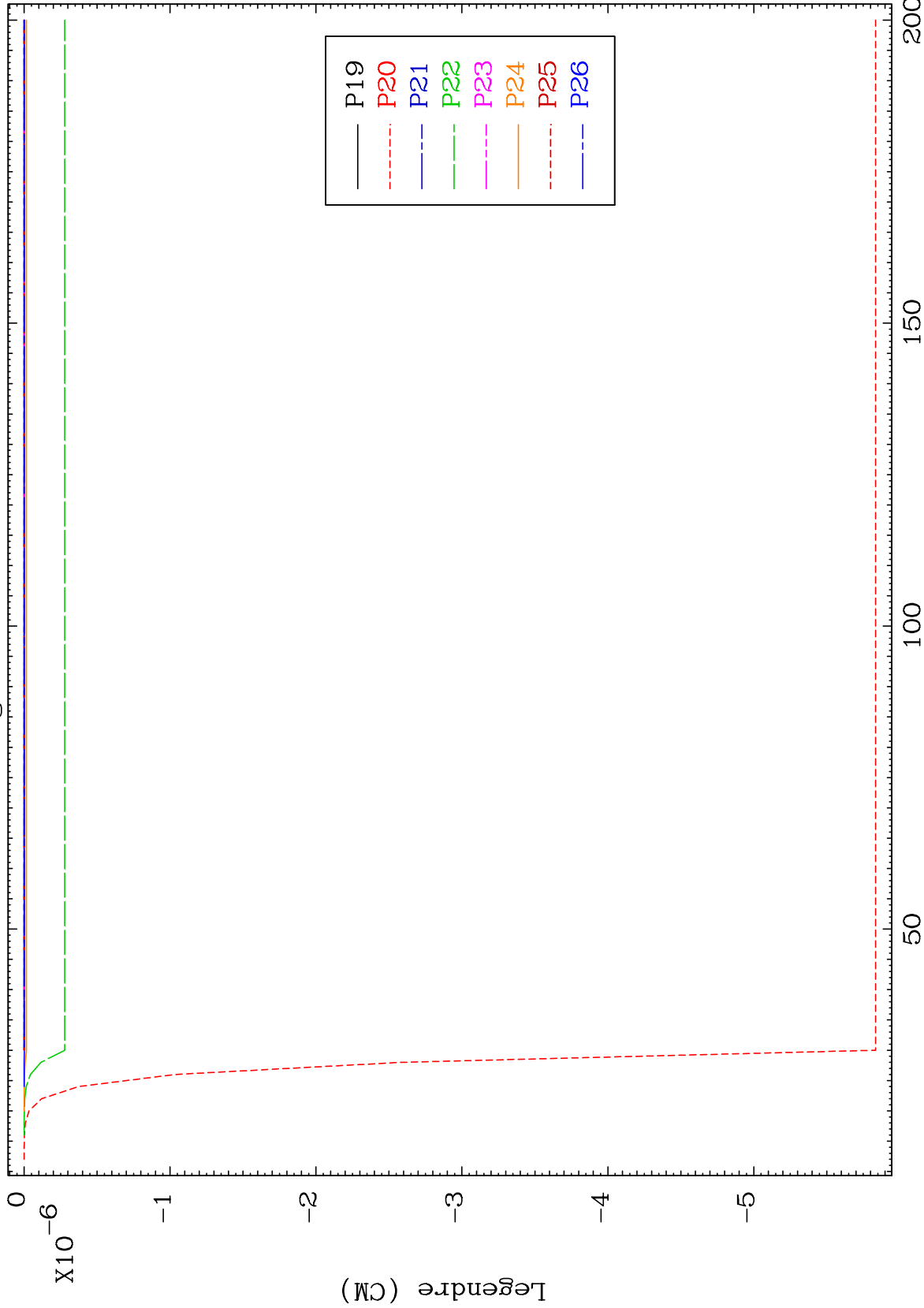
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



96

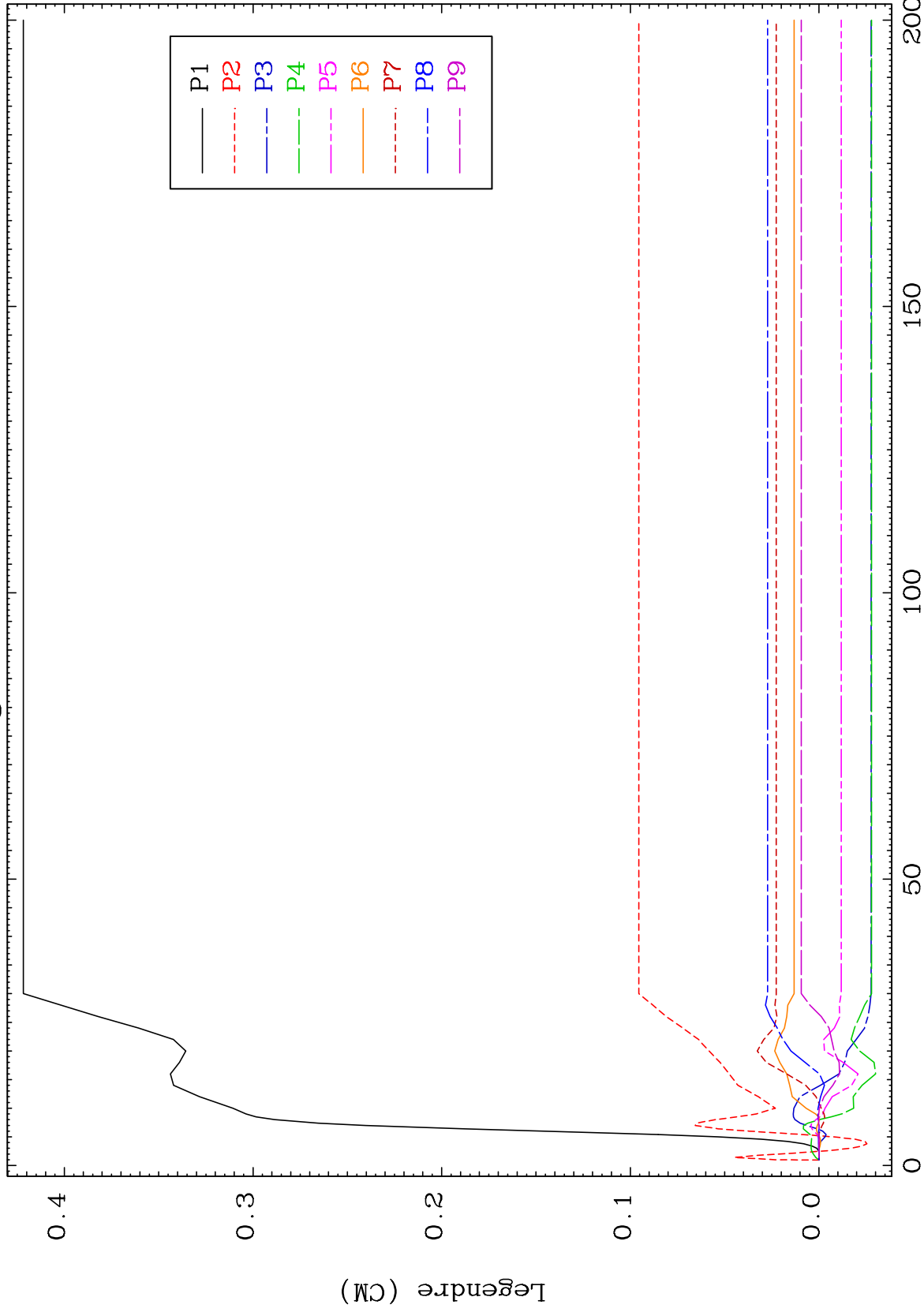
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



97

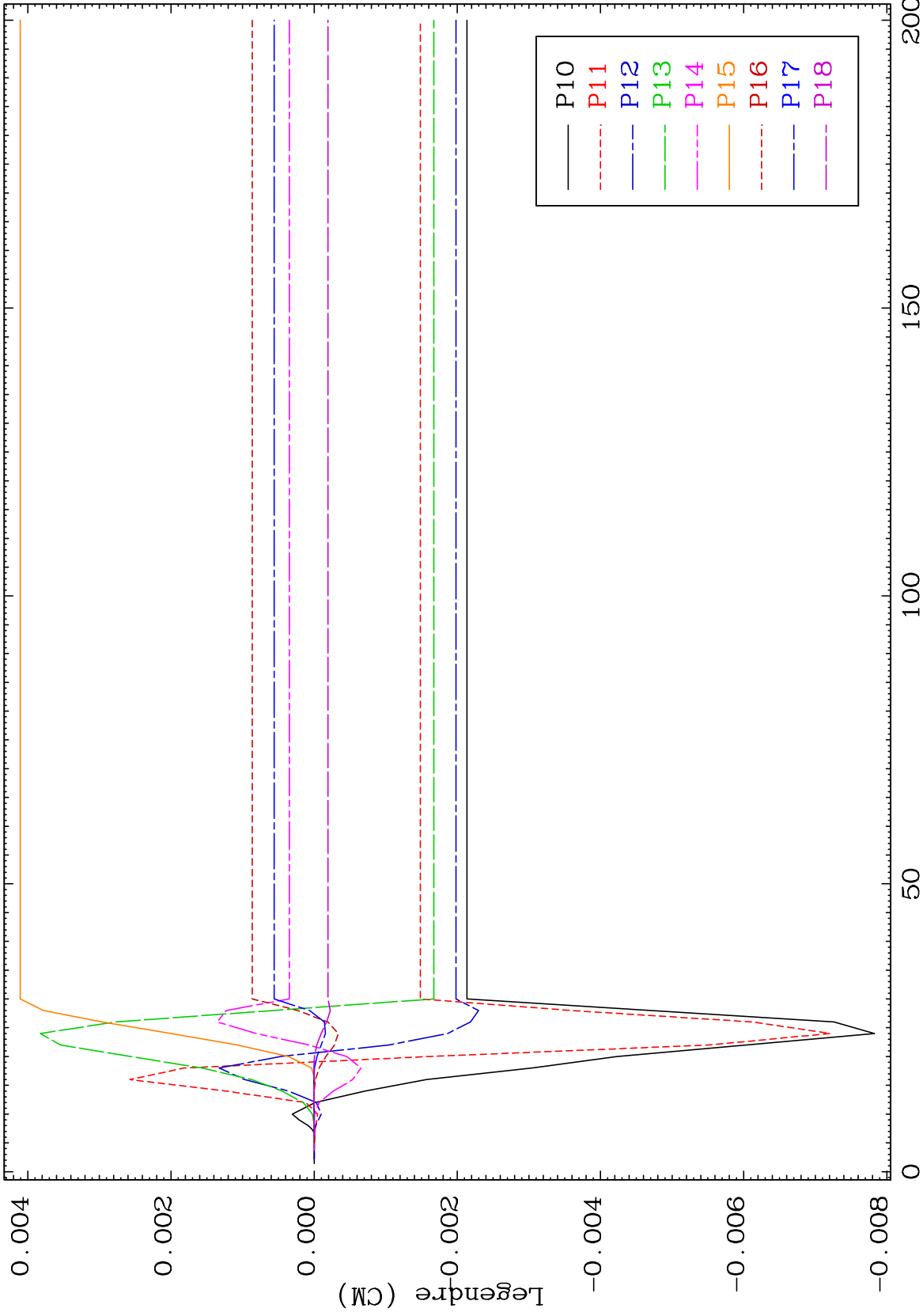
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



98

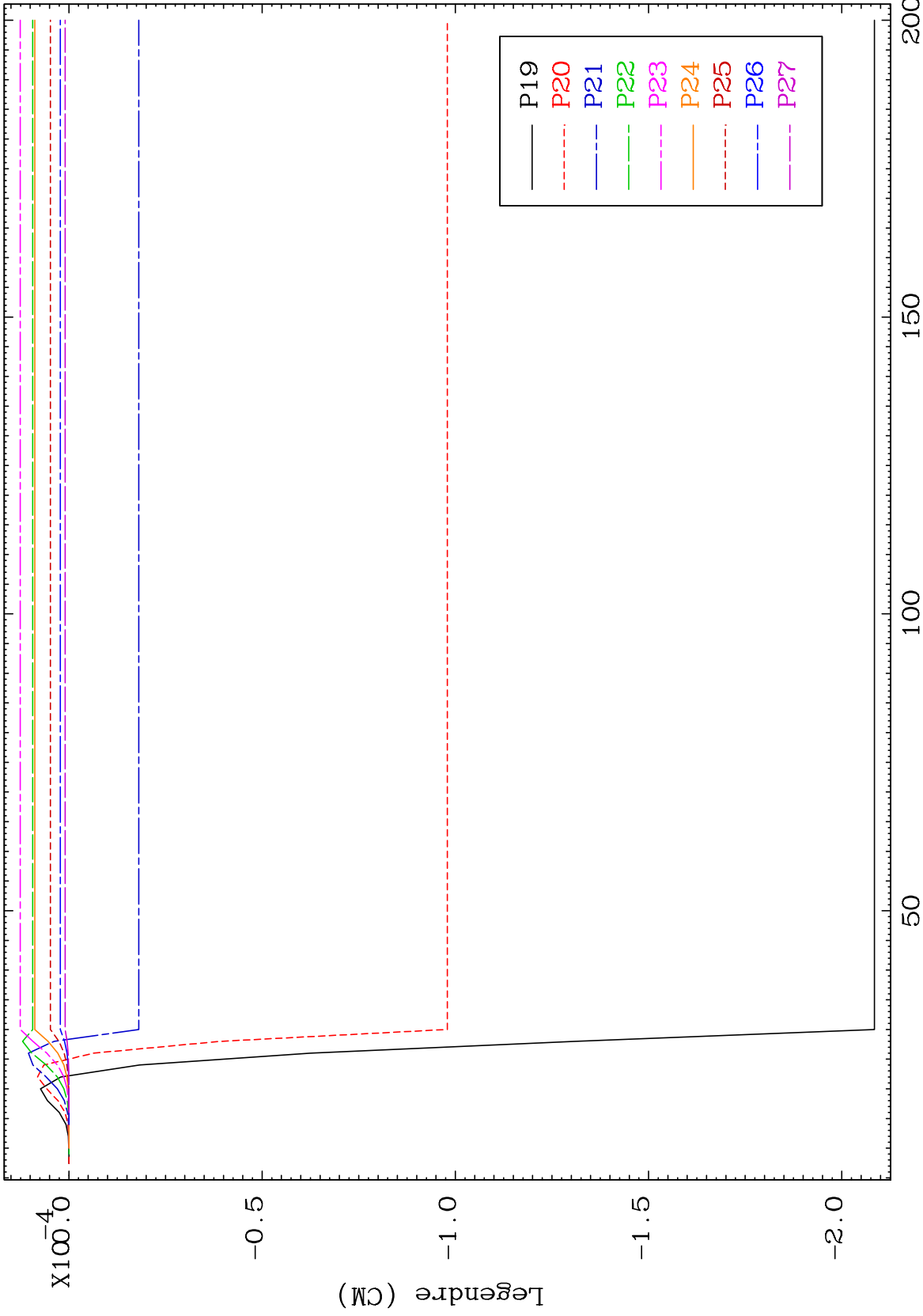
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



99

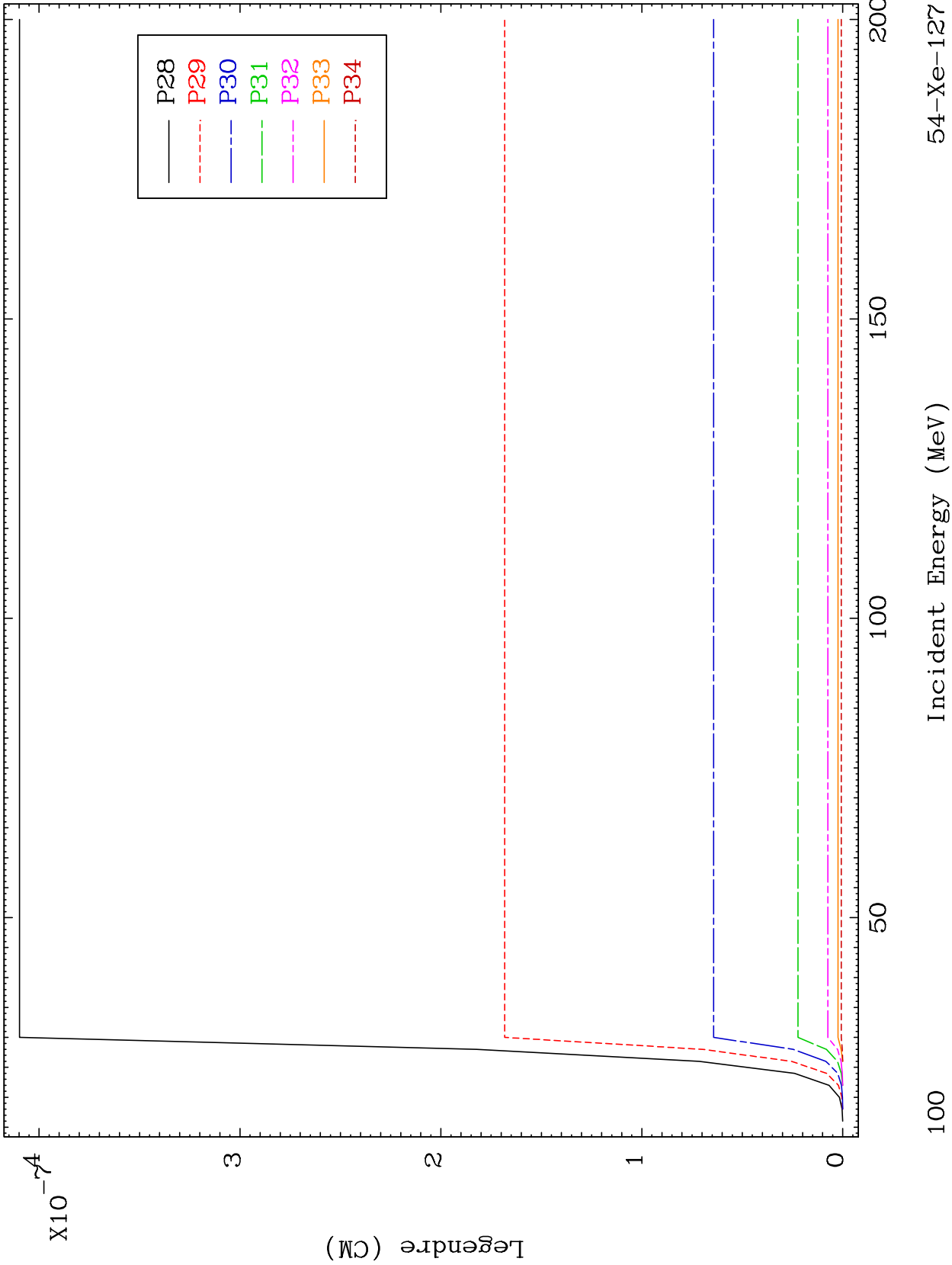
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

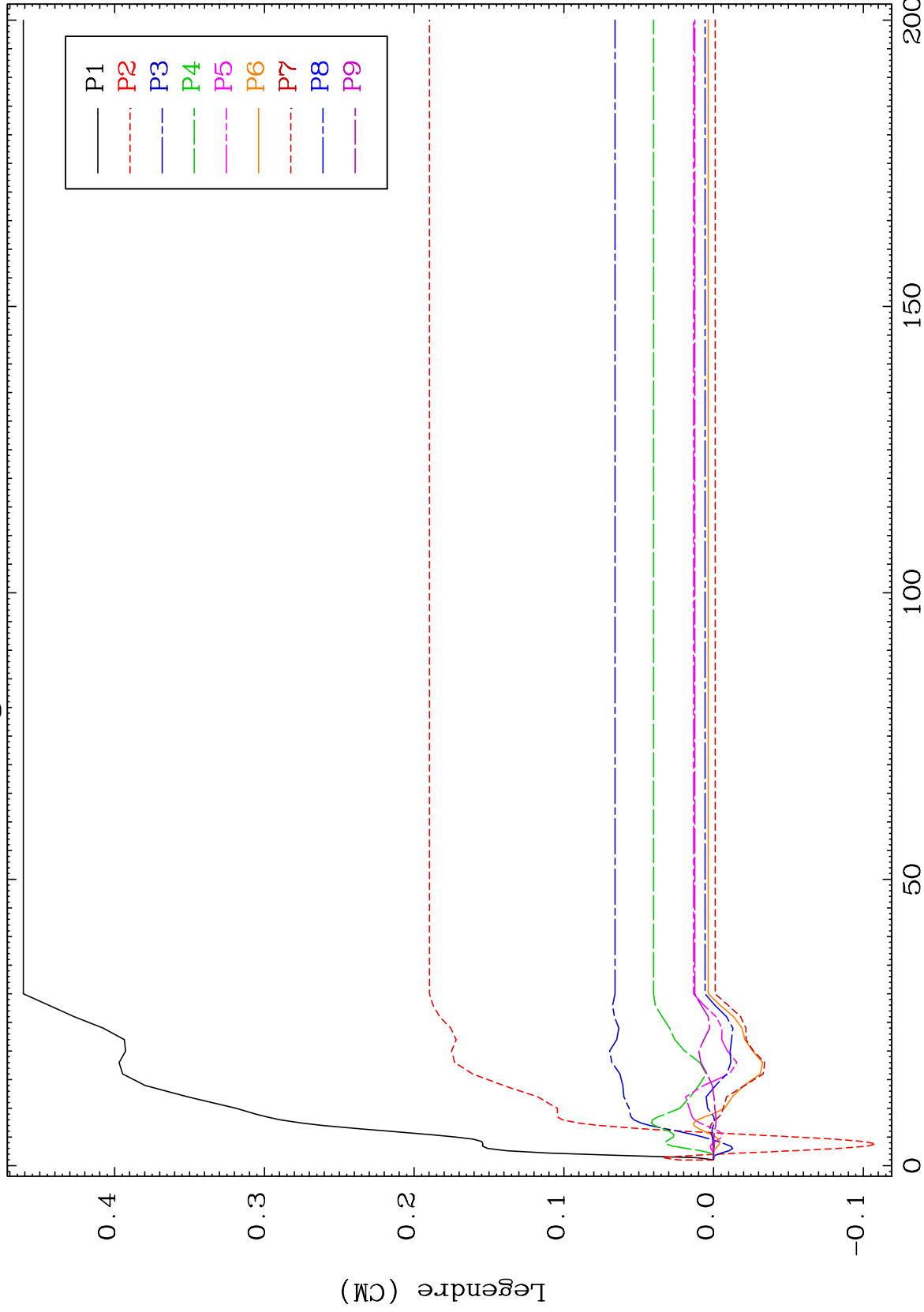
54-Xe-127



MAT 5434

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

54-Xe-127



101

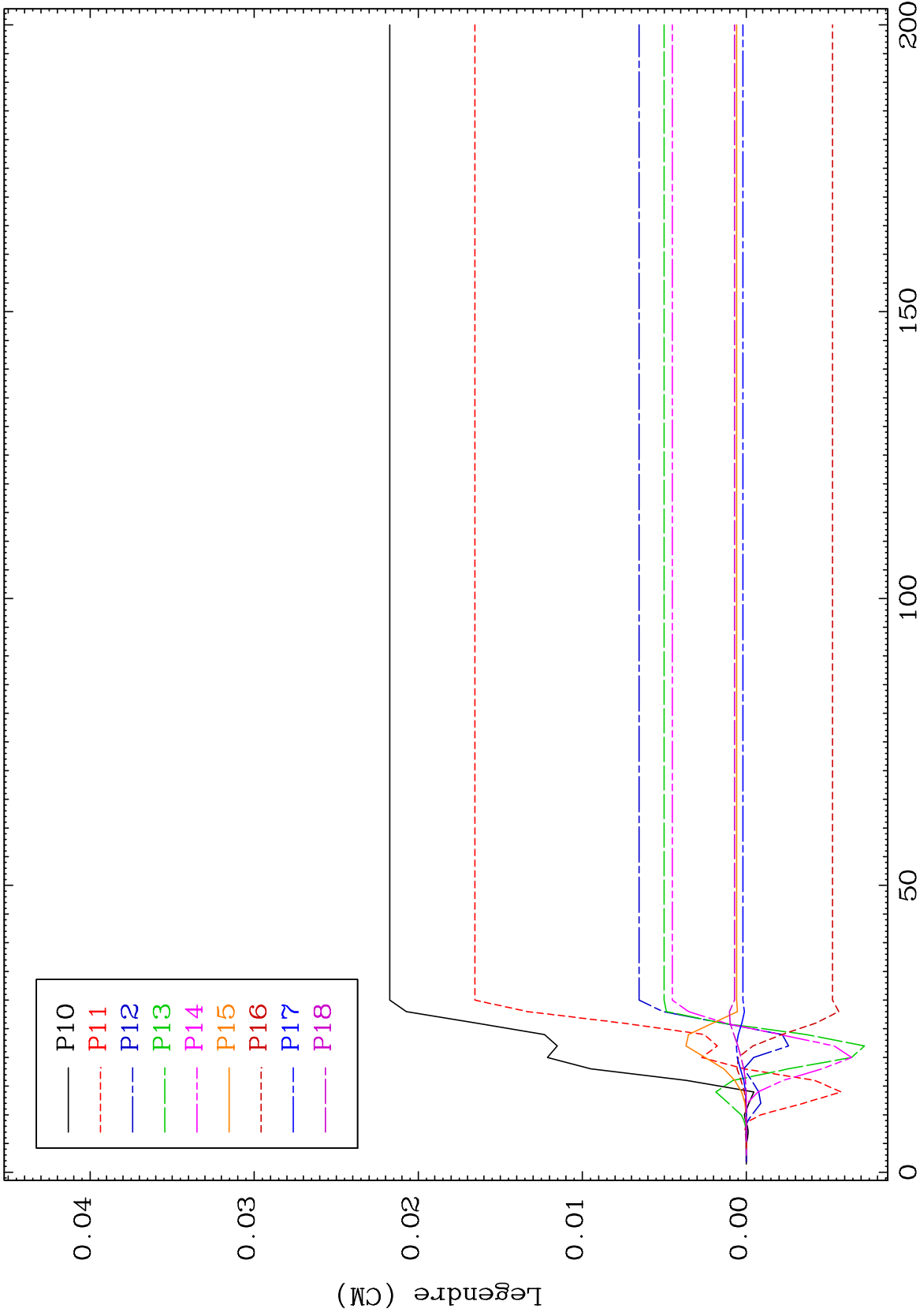
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



102

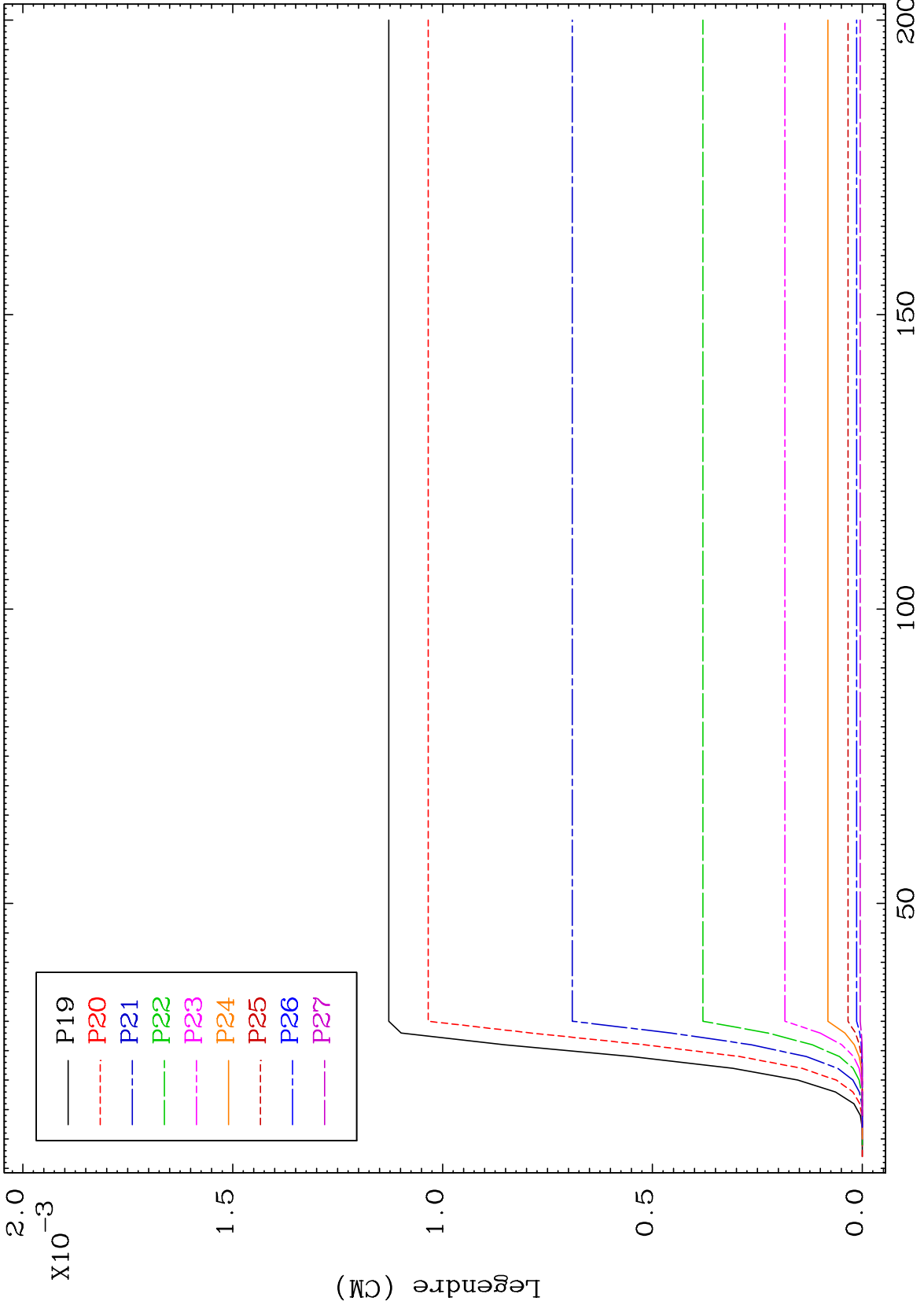
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



103

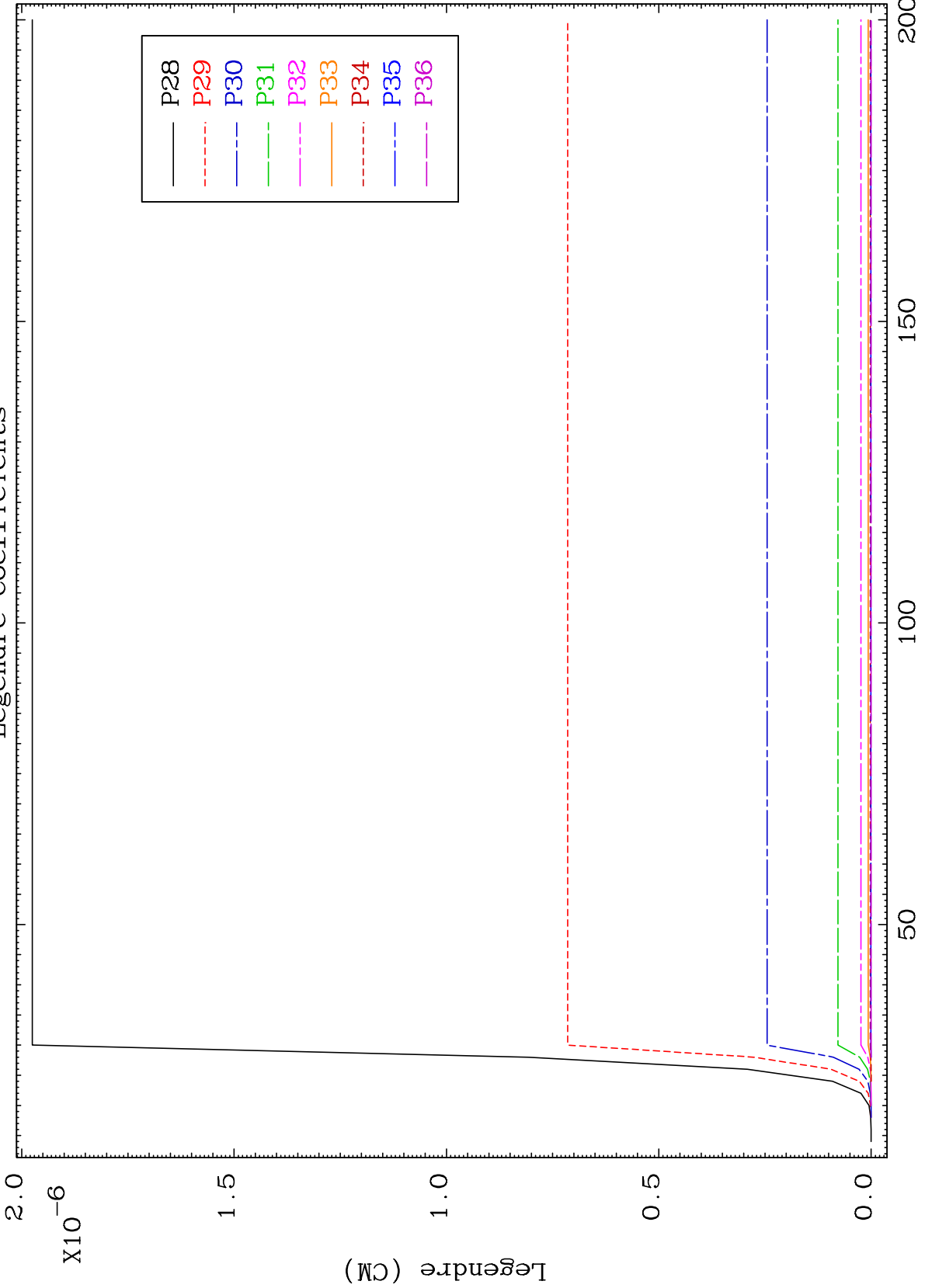
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



104

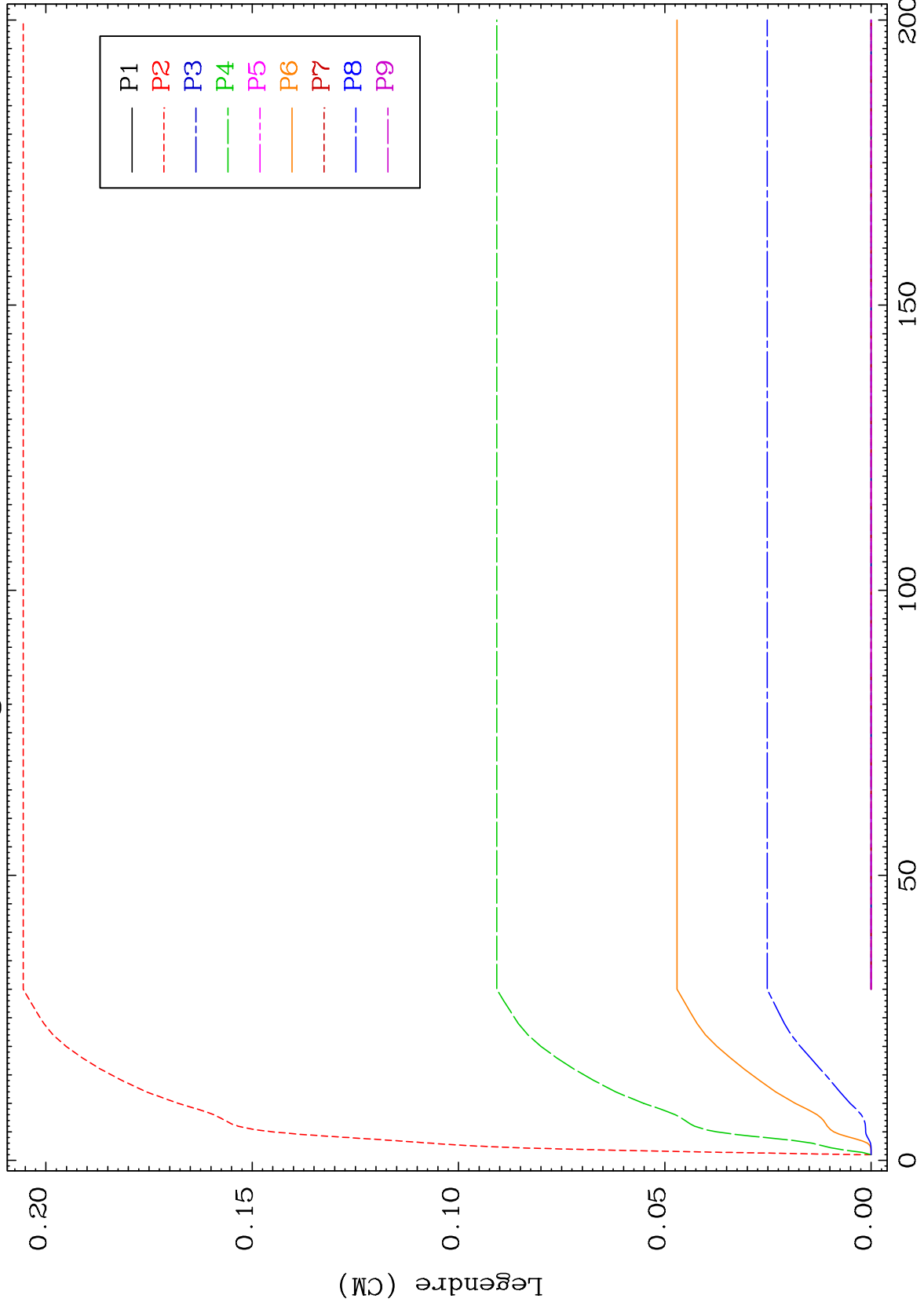
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



54-Xe-127

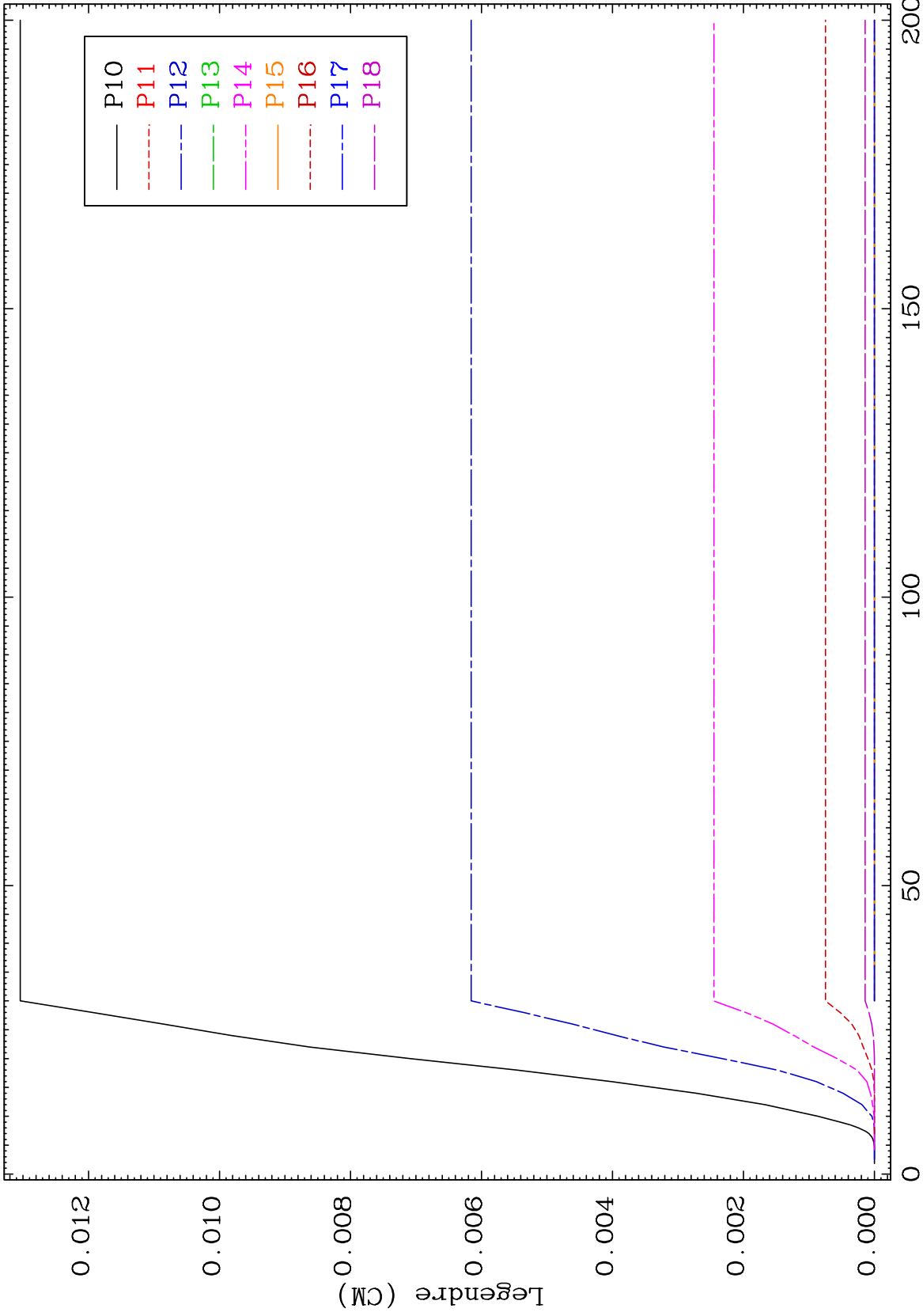
Incident Energy (MeV)

105

MAT 5434

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

54-Xe-127



106

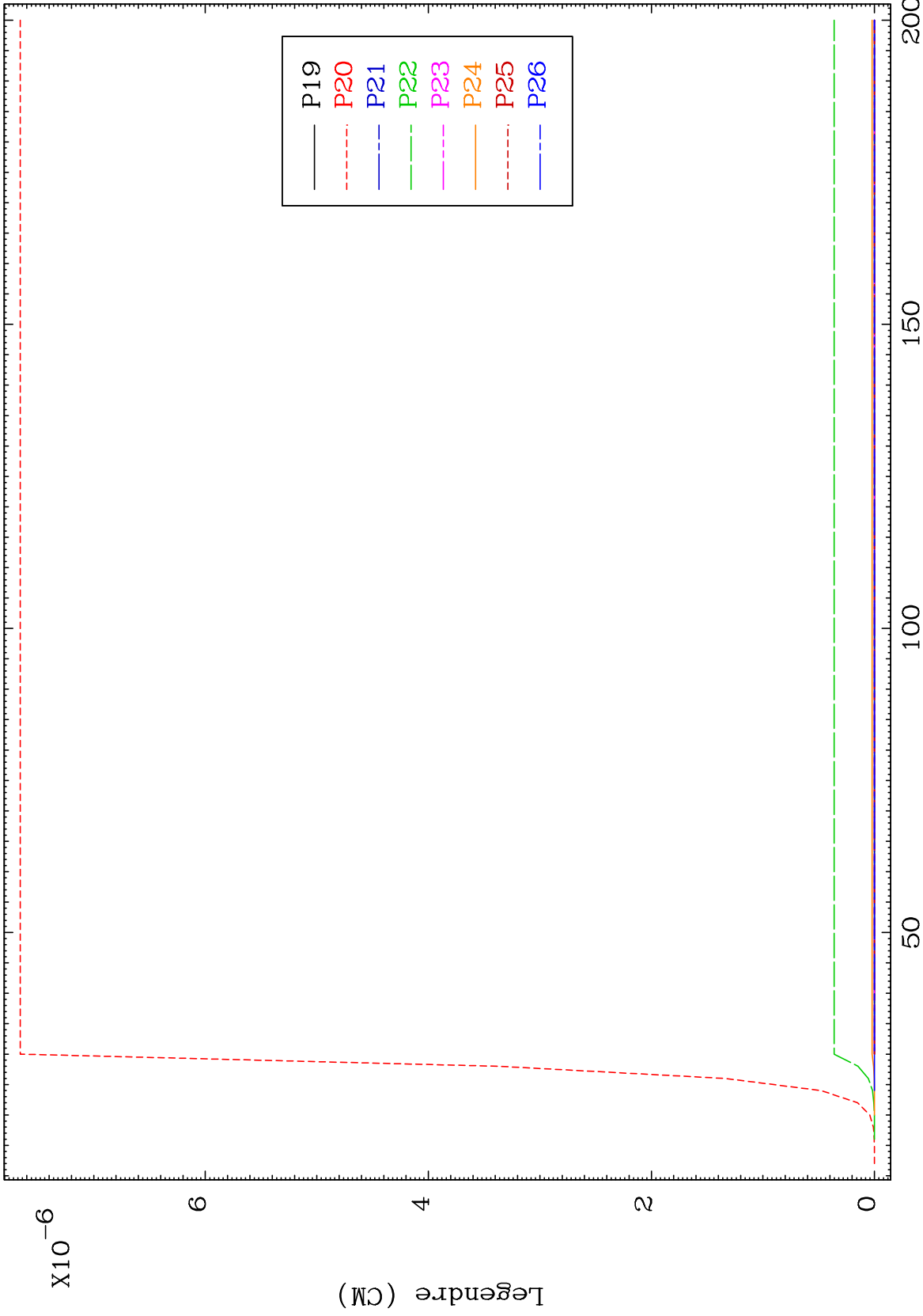
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



107

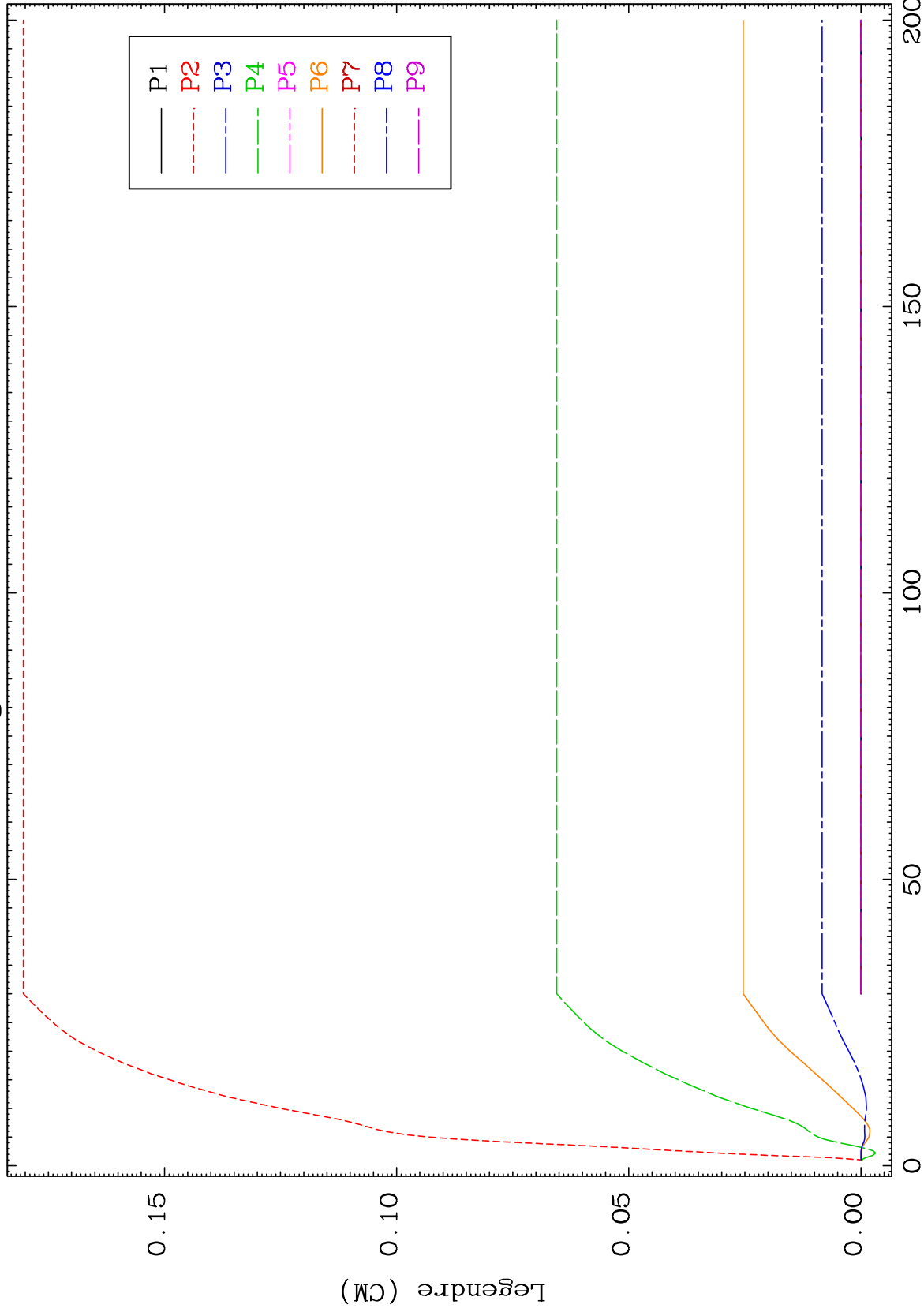
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



108

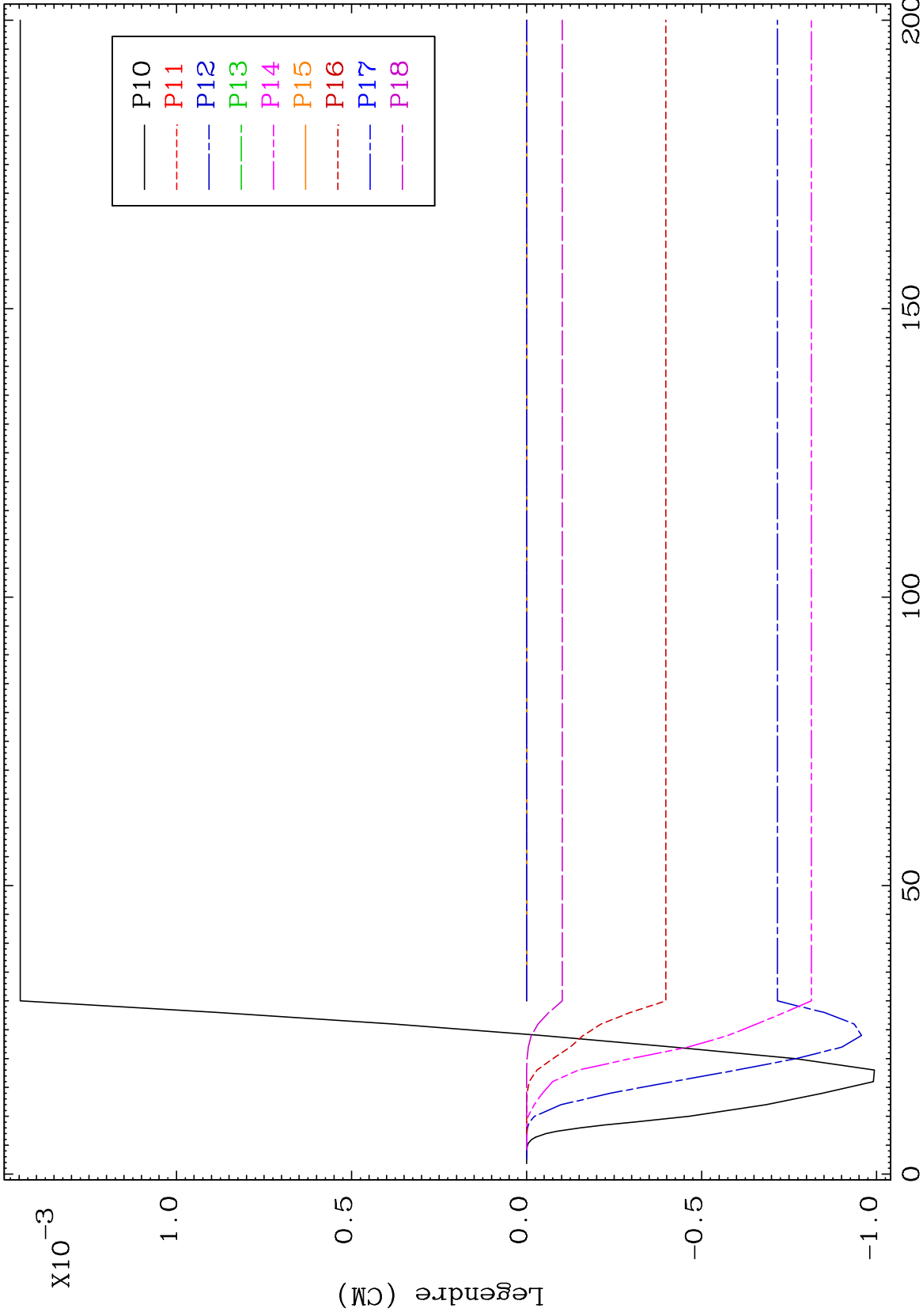
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127

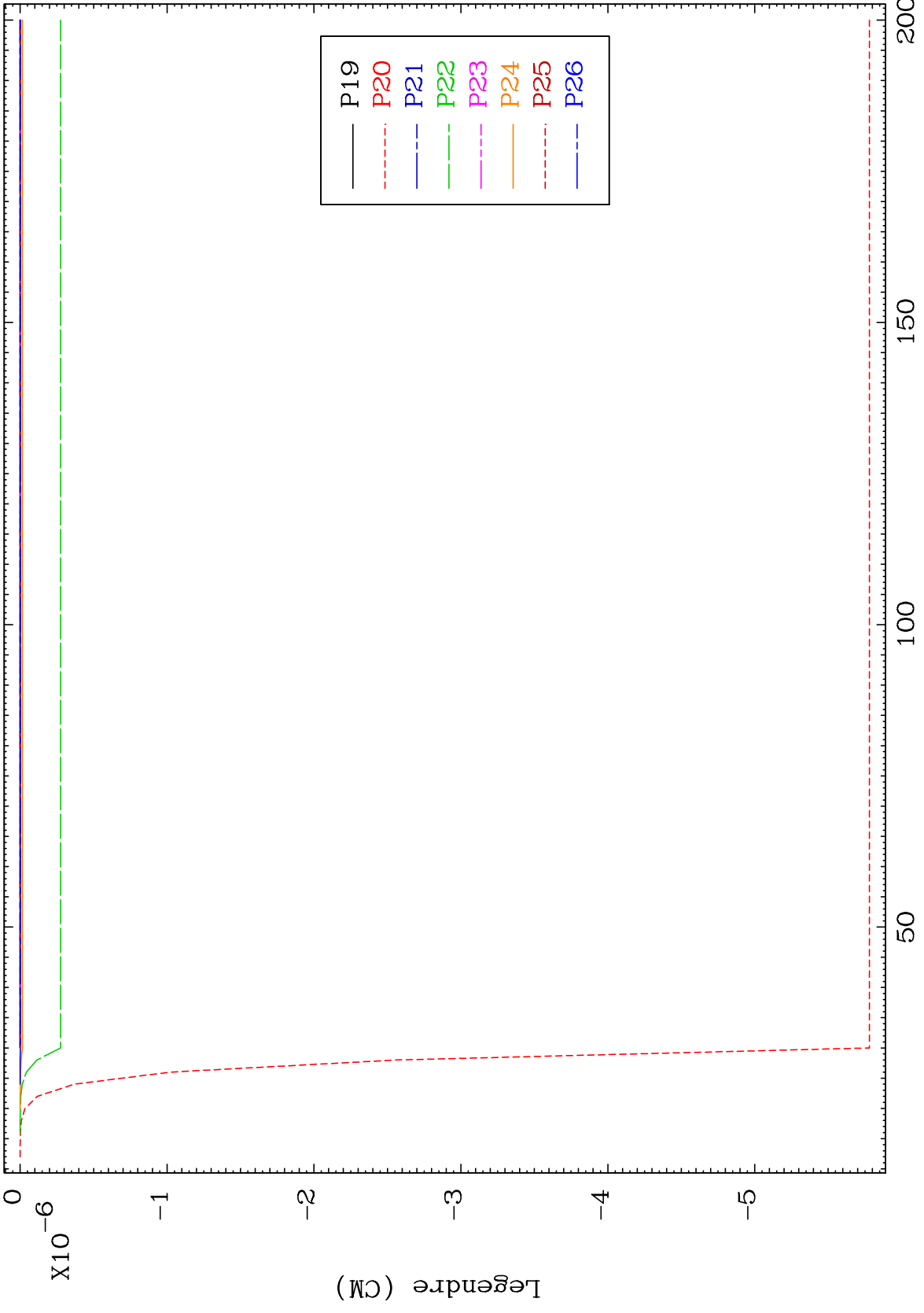


109

Incident Energy (MeV)

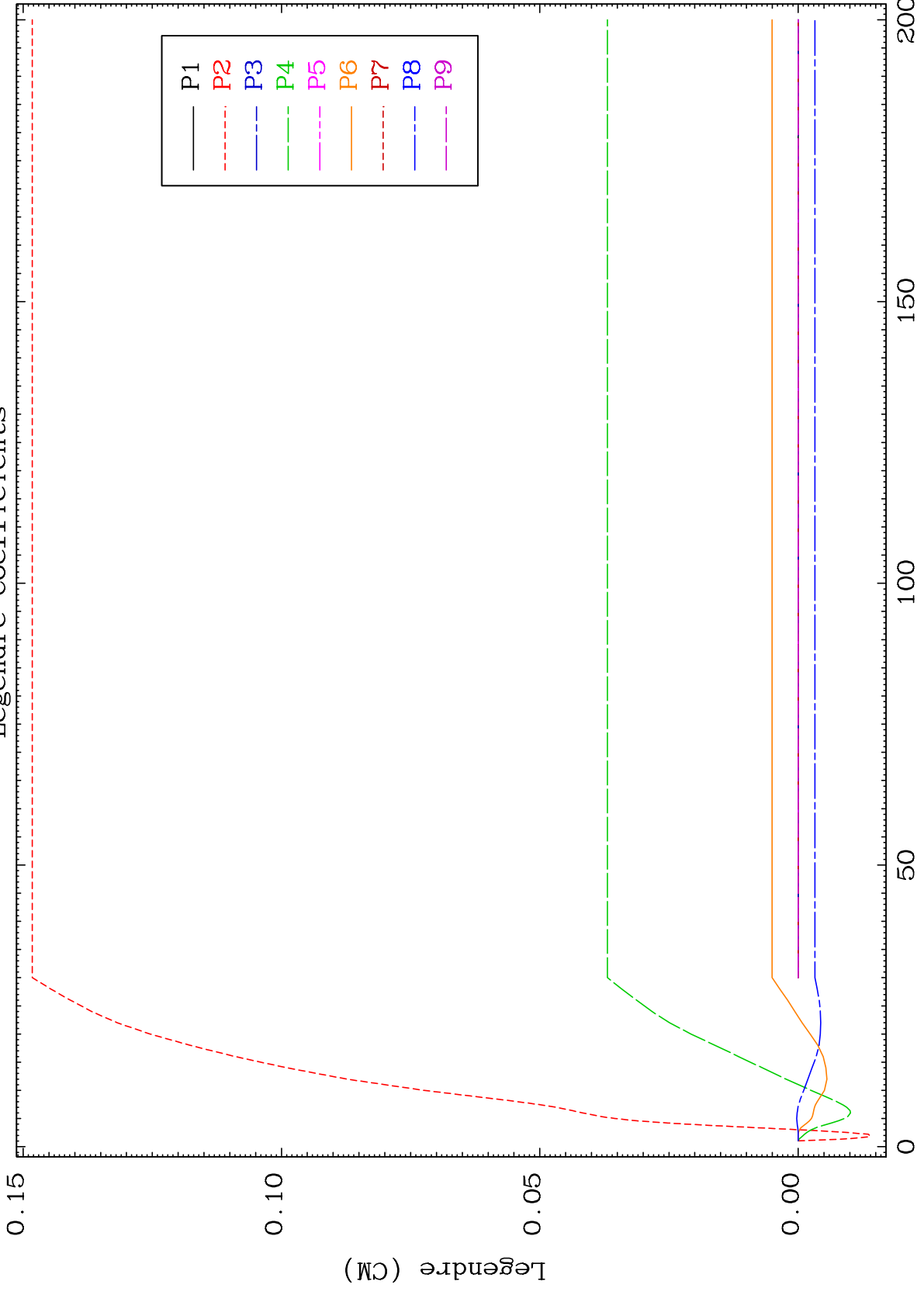
54-Xe-127

MAT 5434 MT= 78 (n,n') Level Legendre Coefficients 54-Xe-127



110 54-Xe-127

MAT 5434 MT= 79 (n,n') Level Legendre Coefficients 54-Xe-127

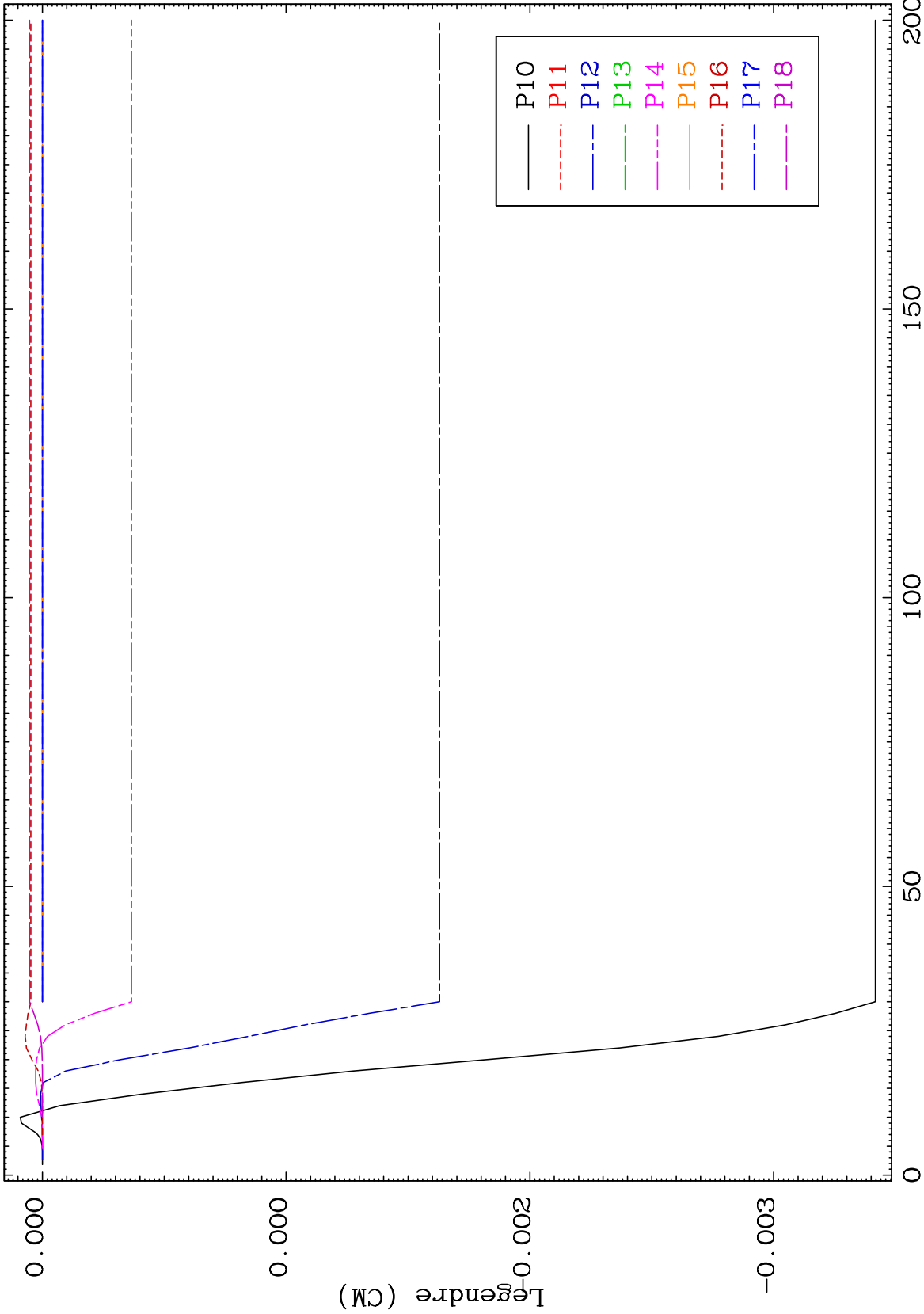


111 54-Xe-127

MAT 5434

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

54-Xe-127



112

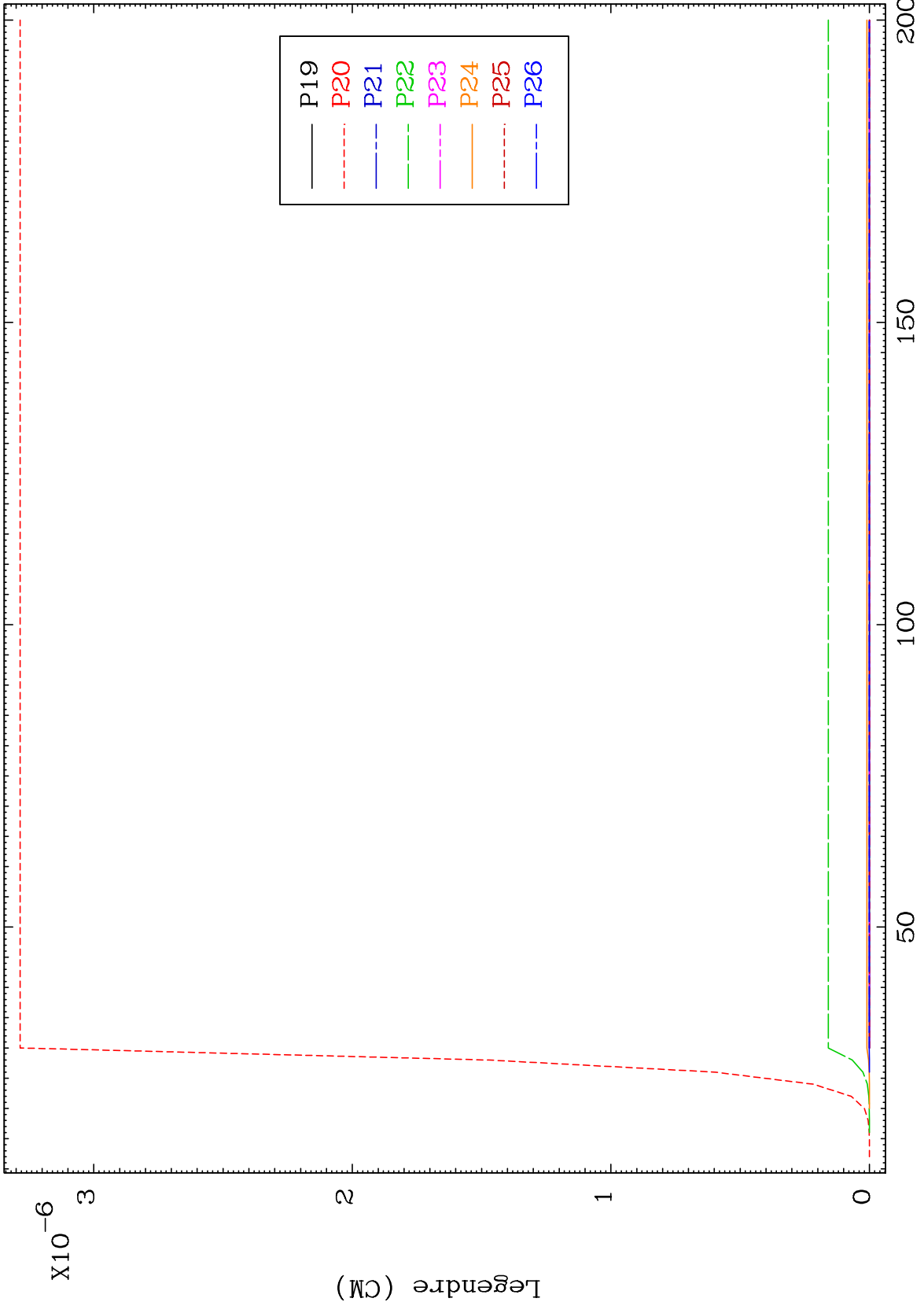
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



113

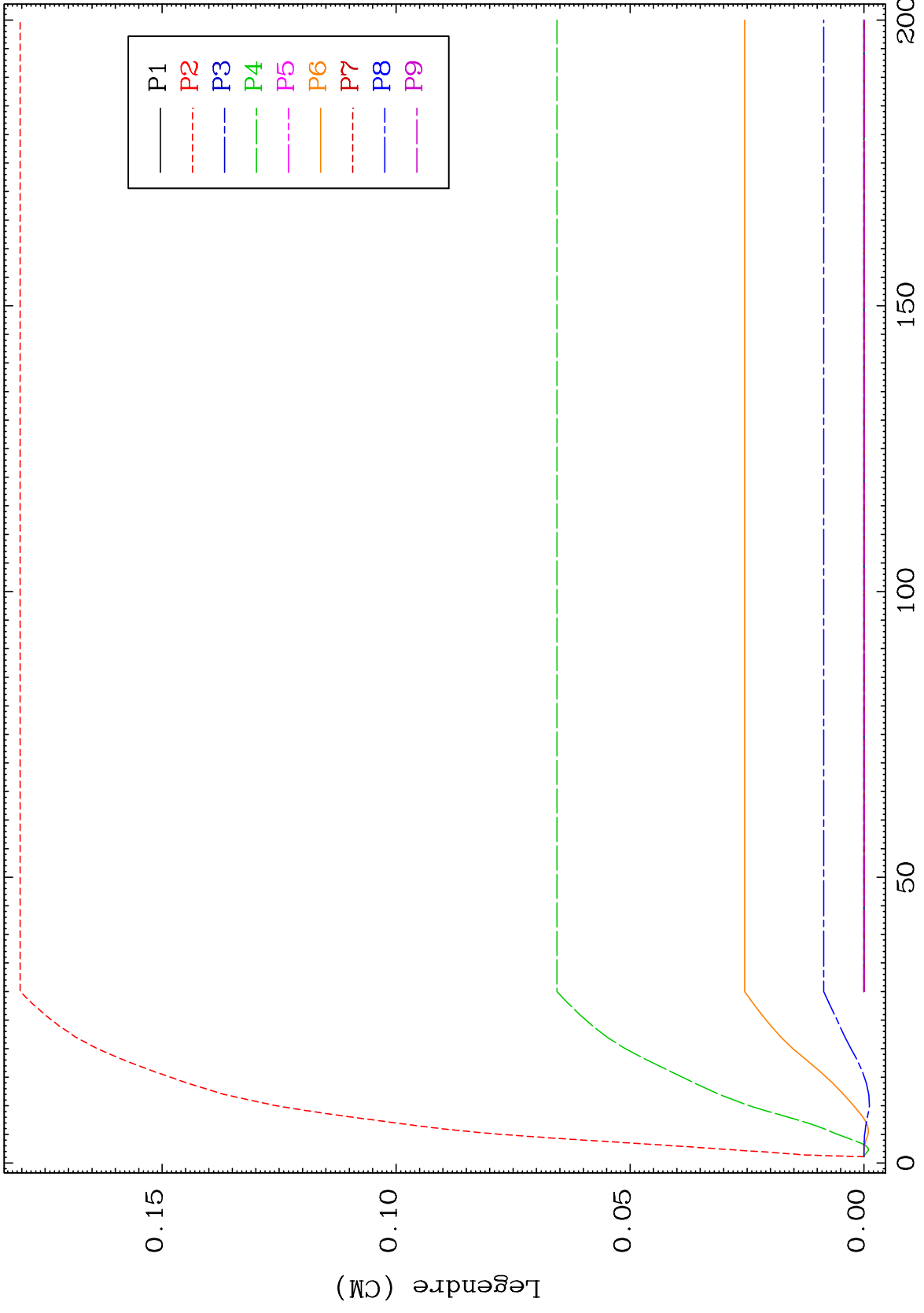
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



114

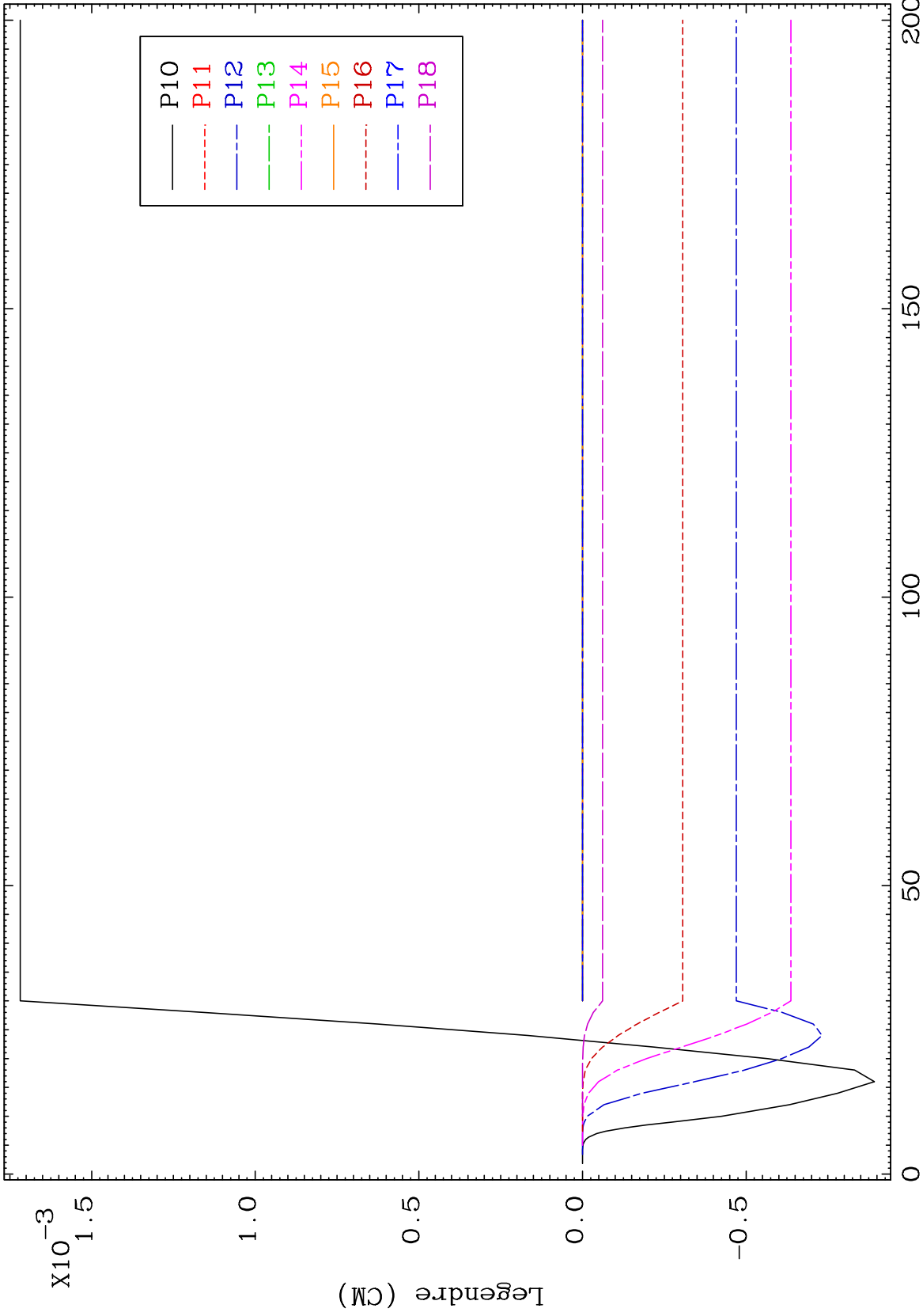
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



115

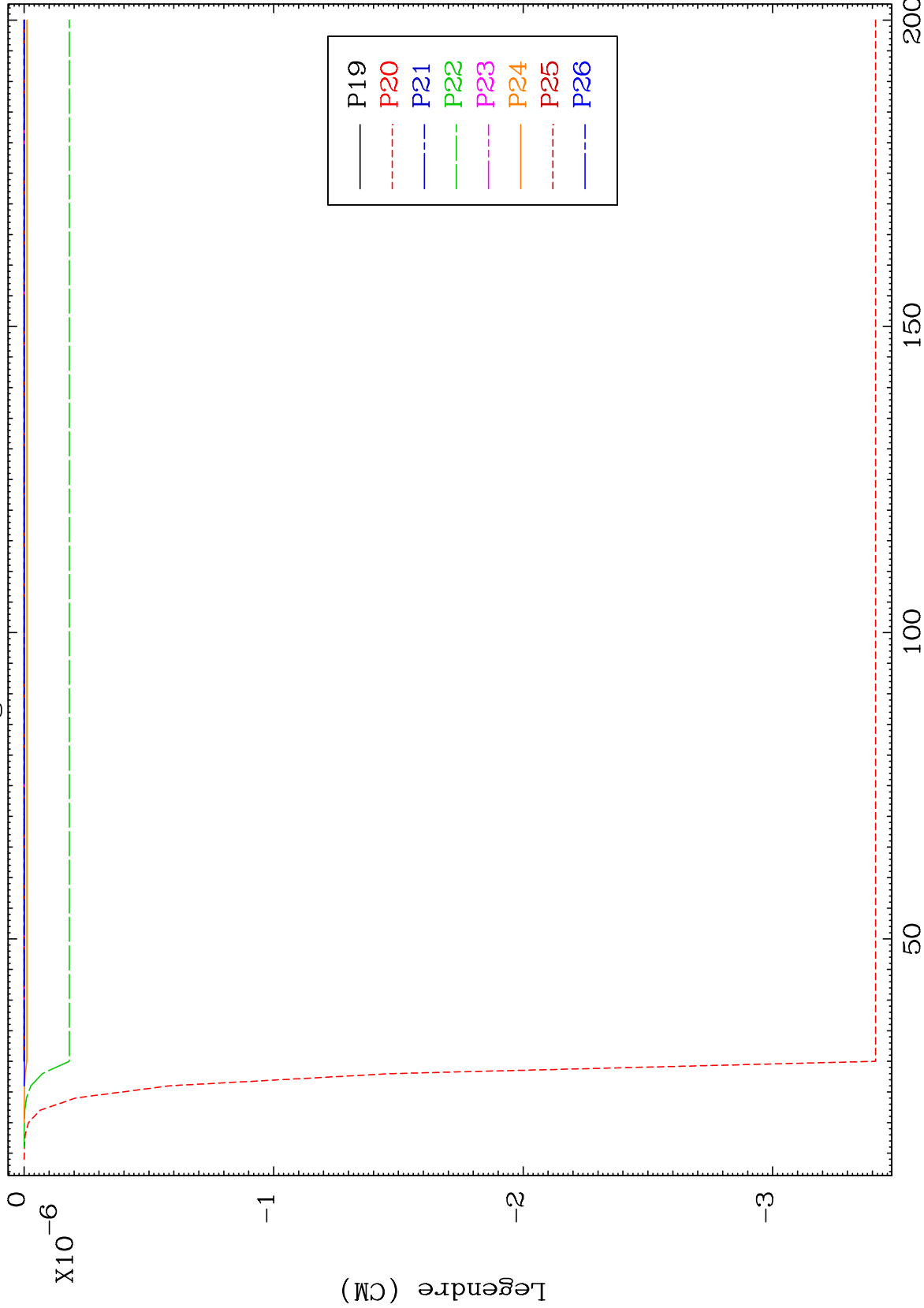
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



116

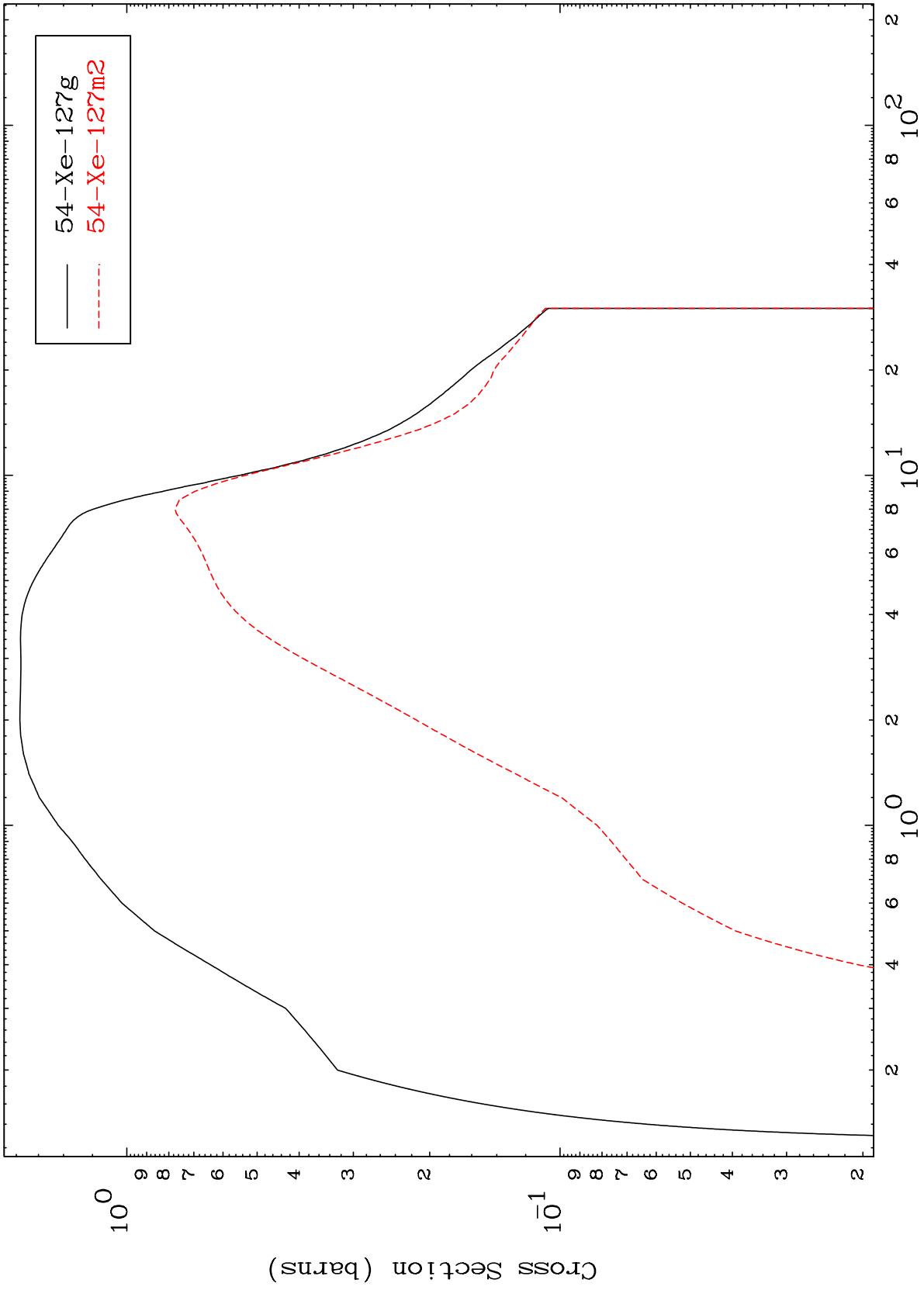
Incident Energy (MeV)

54-Xe-127

MAT 5434

Inelastic Radionuclide Production Cross Section

54-Xe-127



117

Incident Energy (MeV)

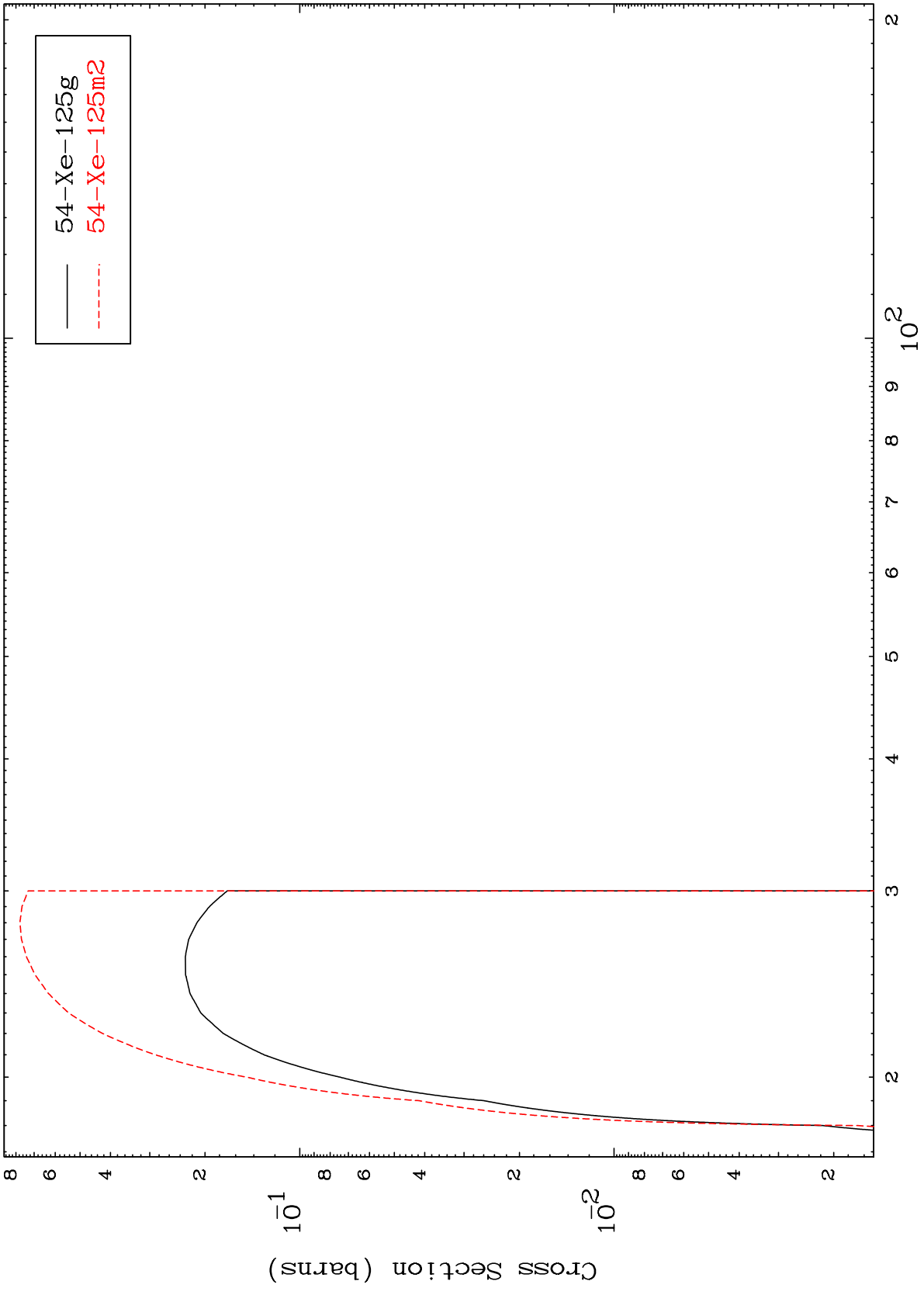
54-Xe-127

MAT 5434

(n,3n)

54-Xe-127

Radionuclide Production Cross Section



118

Incident Energy (MeV)

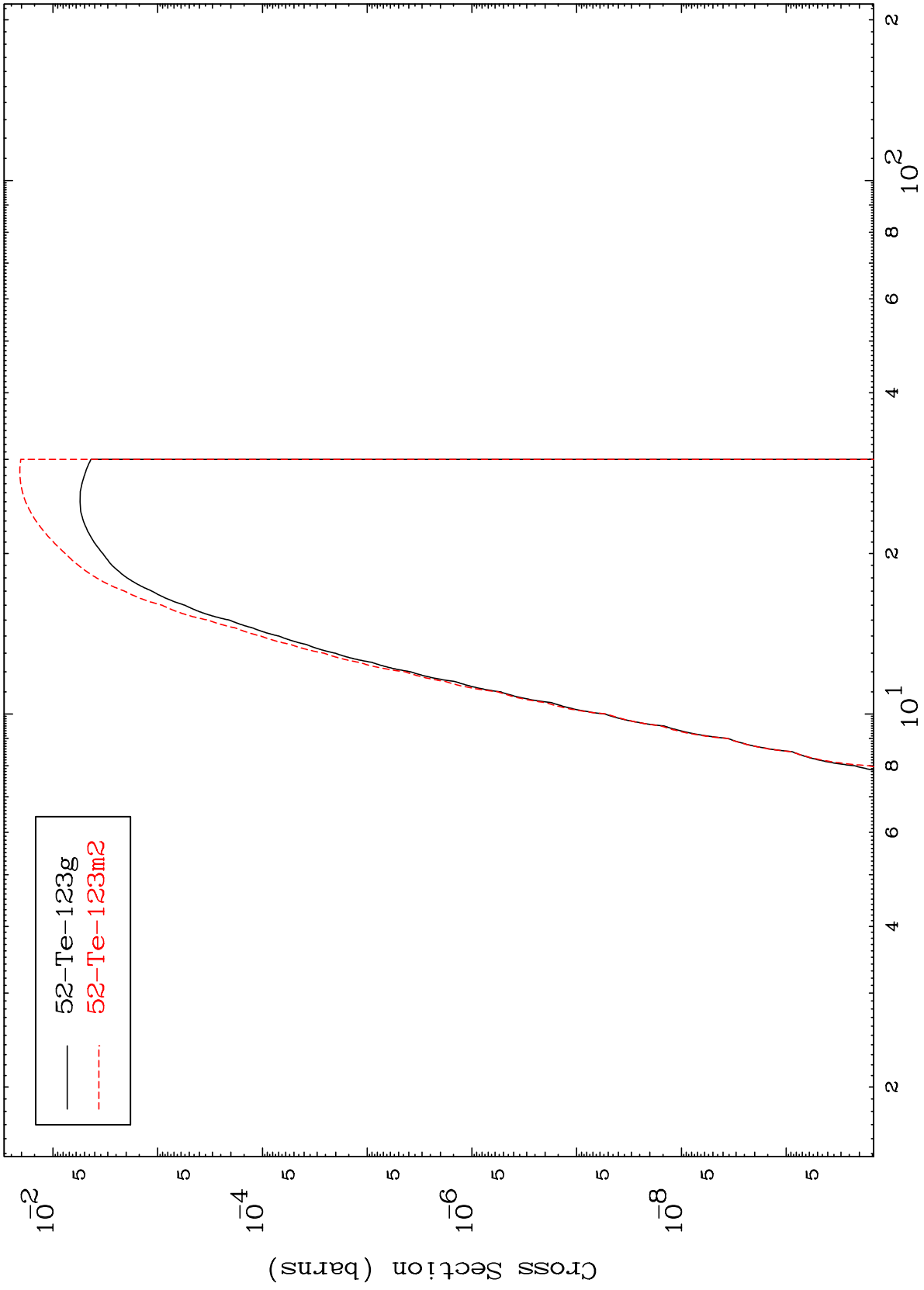
54-Xe-127

MAT 5434

(n,n') α

54-Xe-127

Radionuclide Production Cross Section



52-Te-123g
52-Te-123m2

119

Incident Energy (MeV)

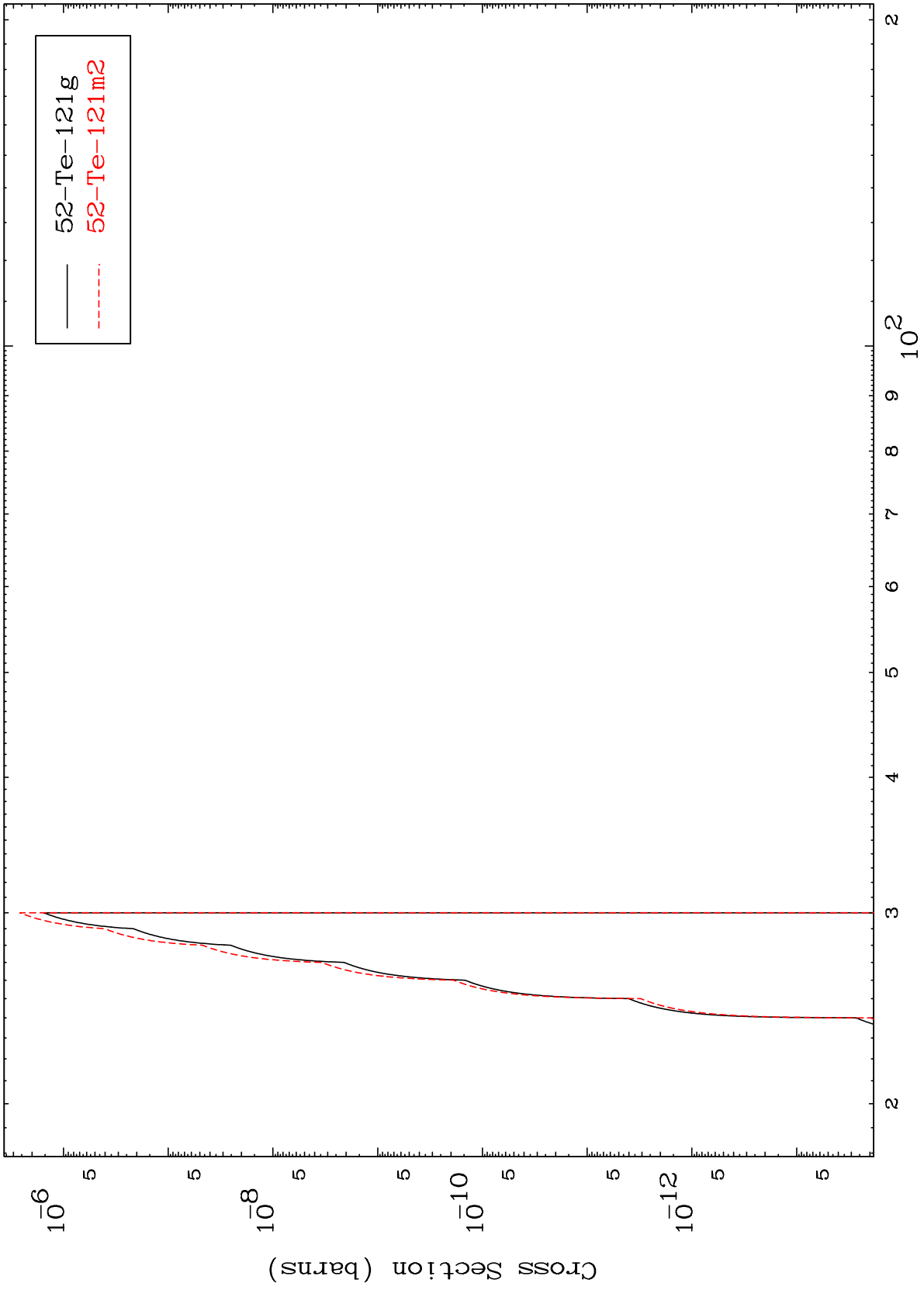
54-Xe-127

MAT 5434

(n,3n) α

54-Xe-127

Radionuclide Production Cross Section



120

Incident Energy (MeV)

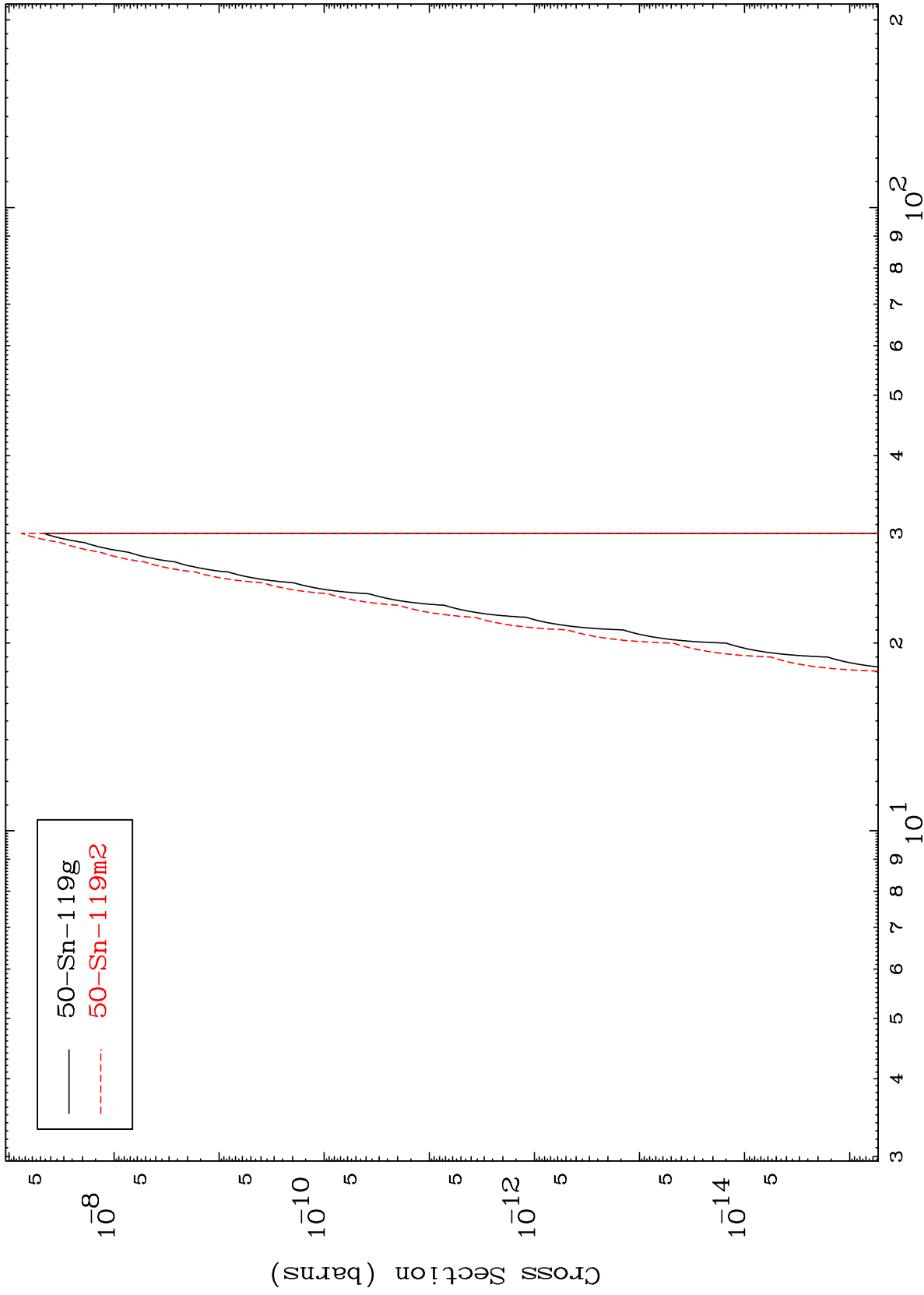
54-Xe-127

MAT 5434

(n,n') 2 α

54-Xe-127

Radionuclide Production Cross Section



121

Incident Energy (MeV)

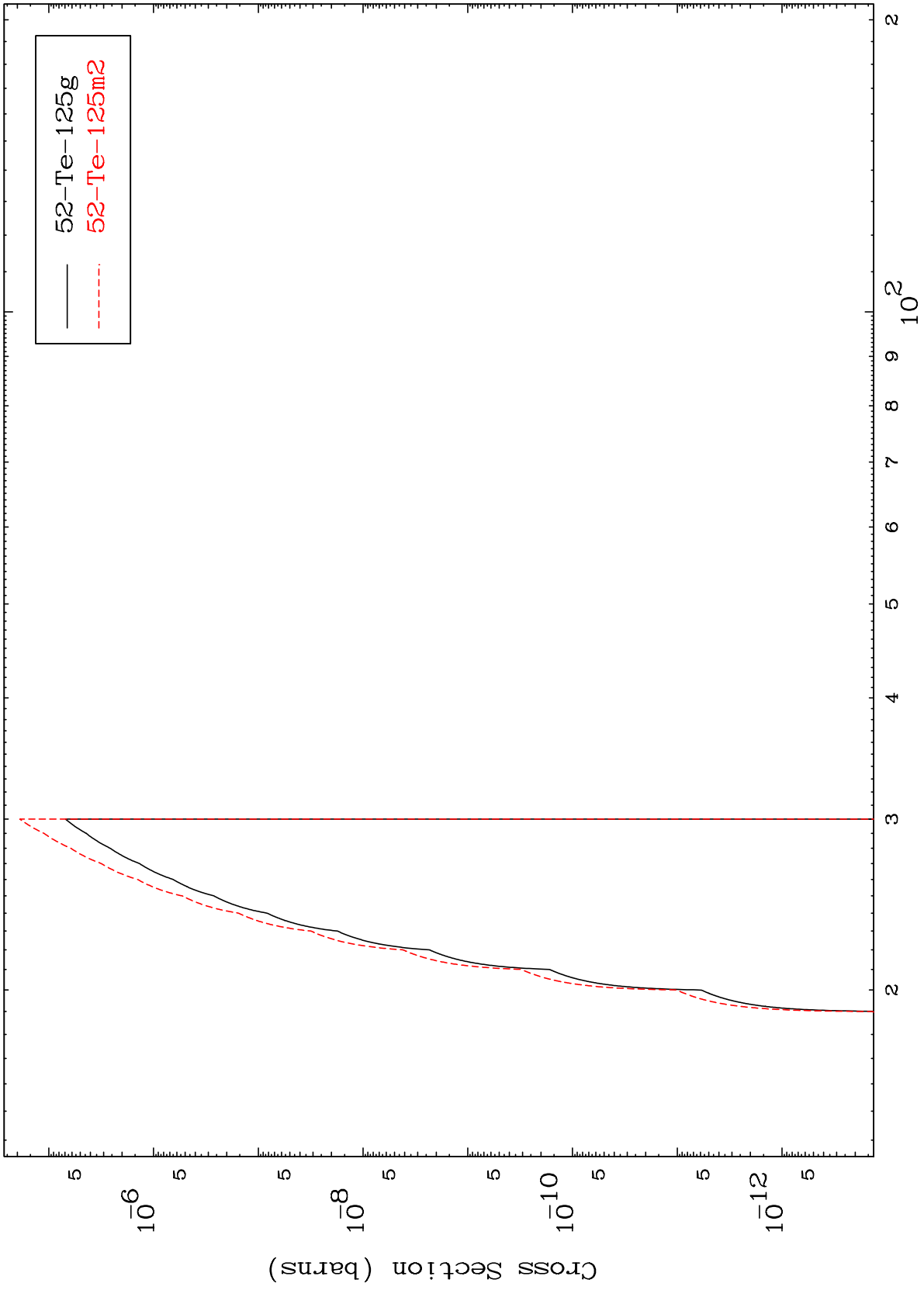
54-Xe-127

MAT 5434

(n,2n) p

54-Xe-127

Radionuclide Production Cross Section



122

Incident Energy (MeV)

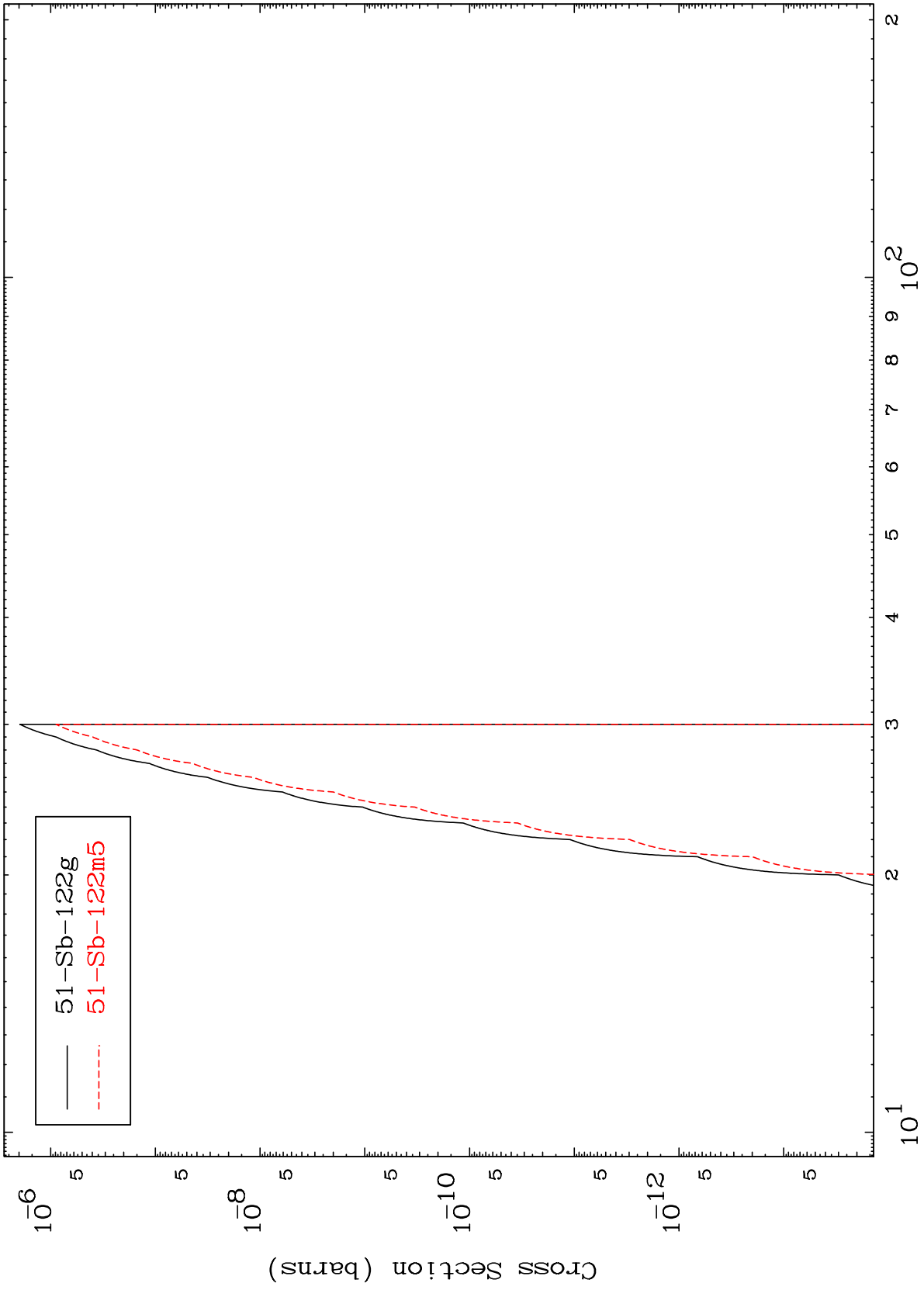
54-Xe-127

MAT 5434

(n,n') p α

54-Xe-127

Radionuclide Production Cross Section



123

Incident Energy (MeV)

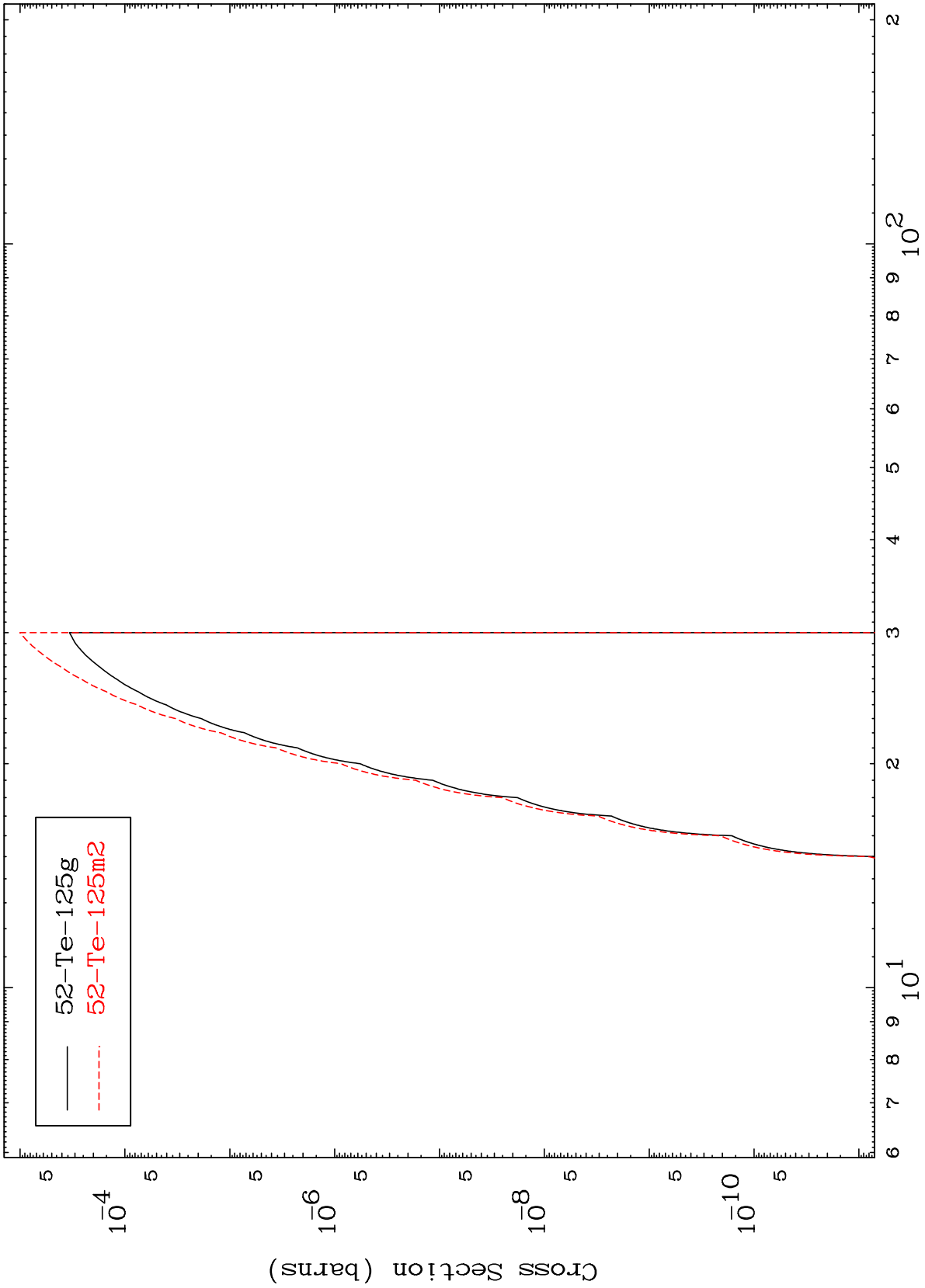
54-Xe-127

MAT 5434

(n, He-3)

54-Xe-127

Radionuclide Production Cross Section

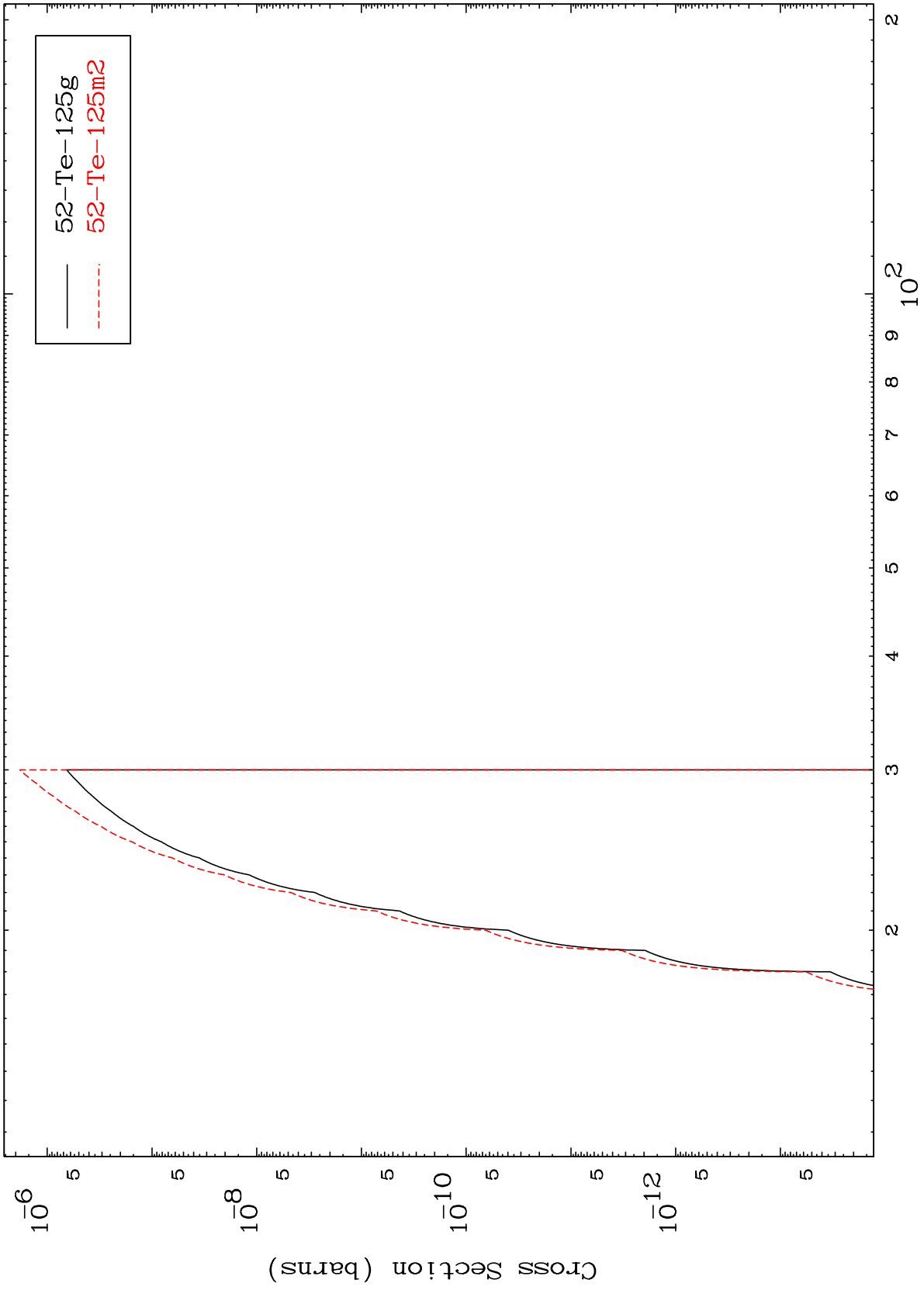


MAT 5434

(n,p) d

54-Xe-127

Radionuclide Production Cross Section



125

Incident Energy (MeV)

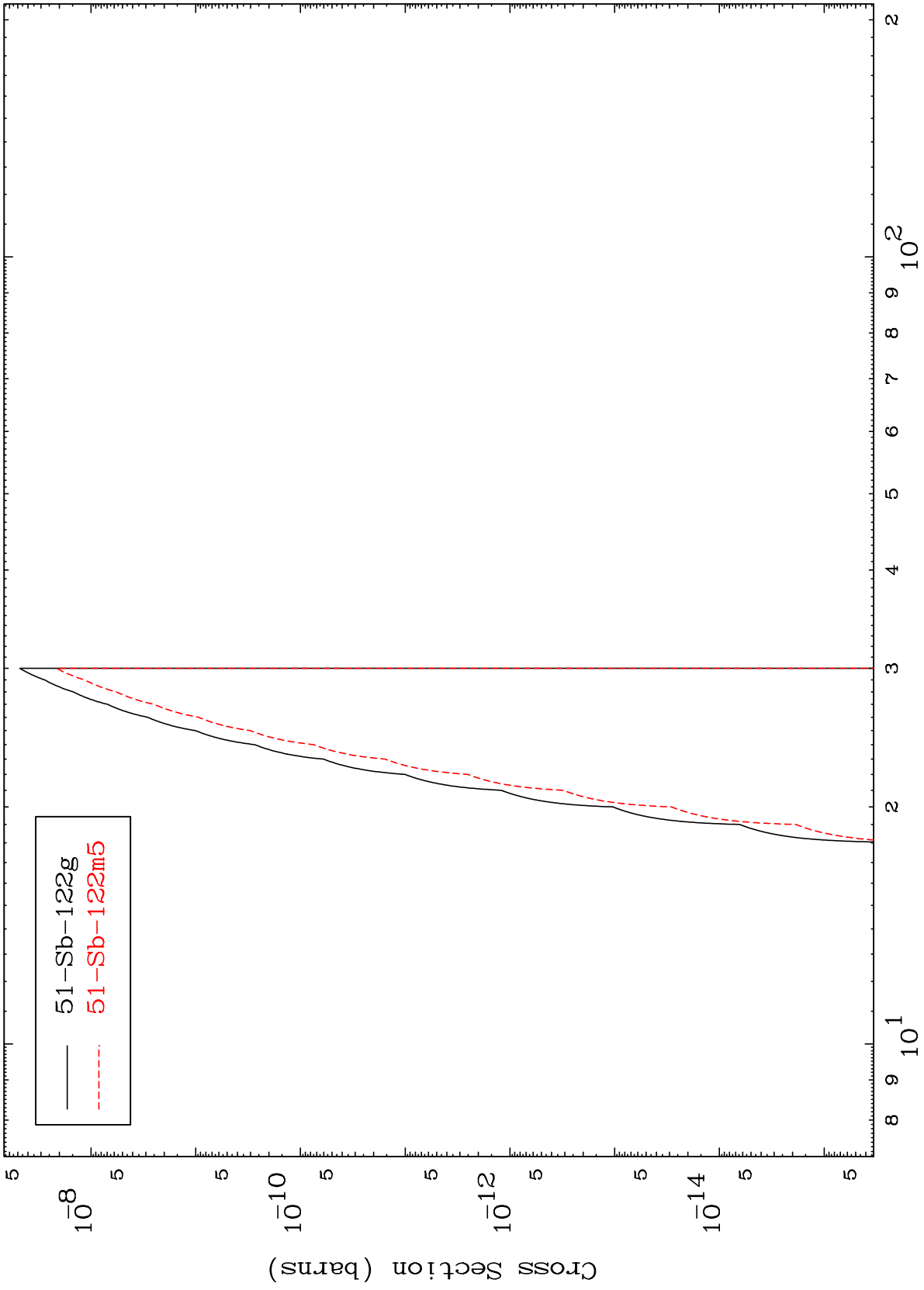
54-Xe-127

MAT 5434

(n,d) α

54-Xe-127

Radionuclide Production Cross Section



51-Sb-122g
51-Sb-122m5

126

Incident Energy (MeV)

54-Xe-127