

Program EVALPLOT
(Version 2017-1)

by

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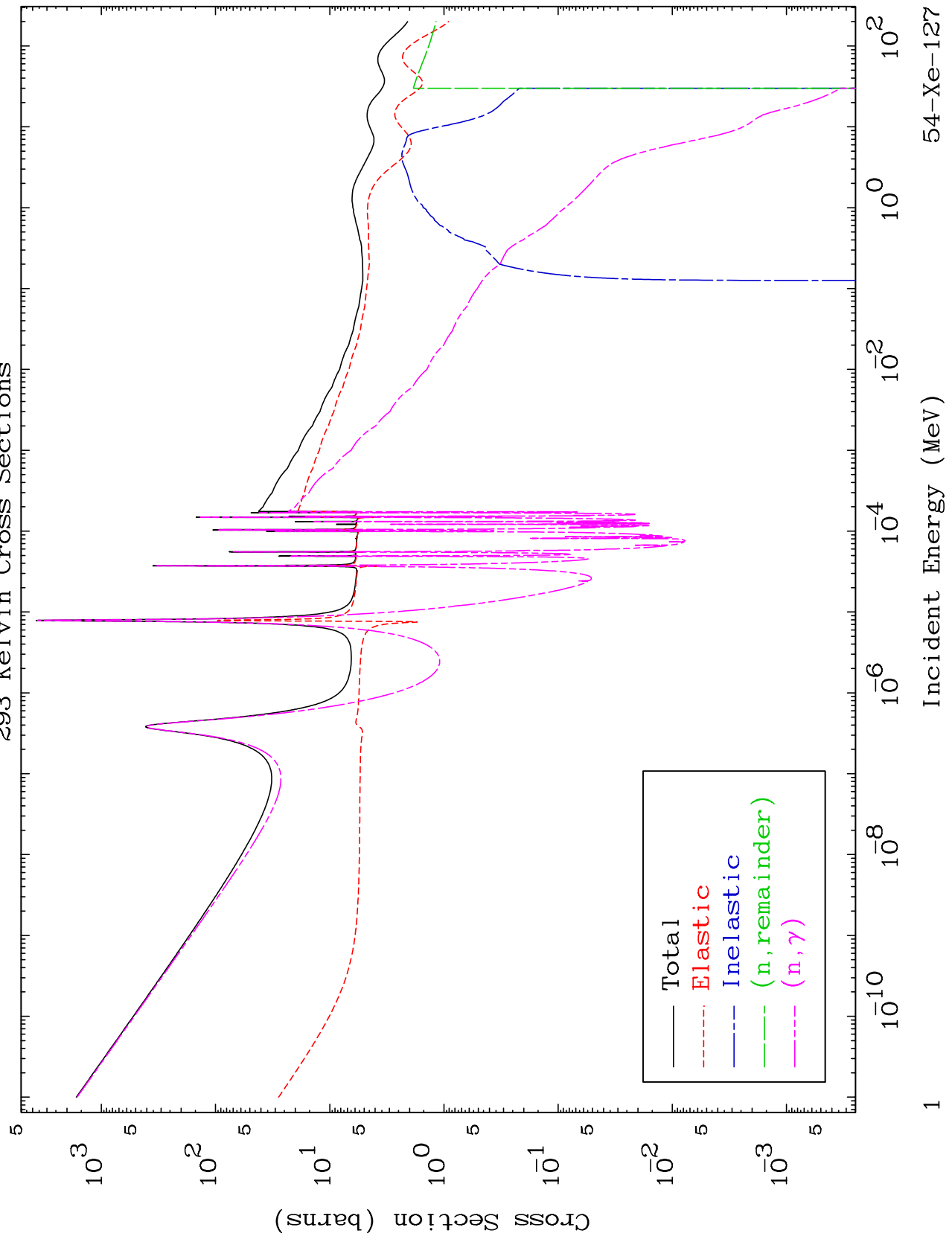
Press Mouse Button to Start

MAT 5434

Major

293 Kelvin Cross Sections

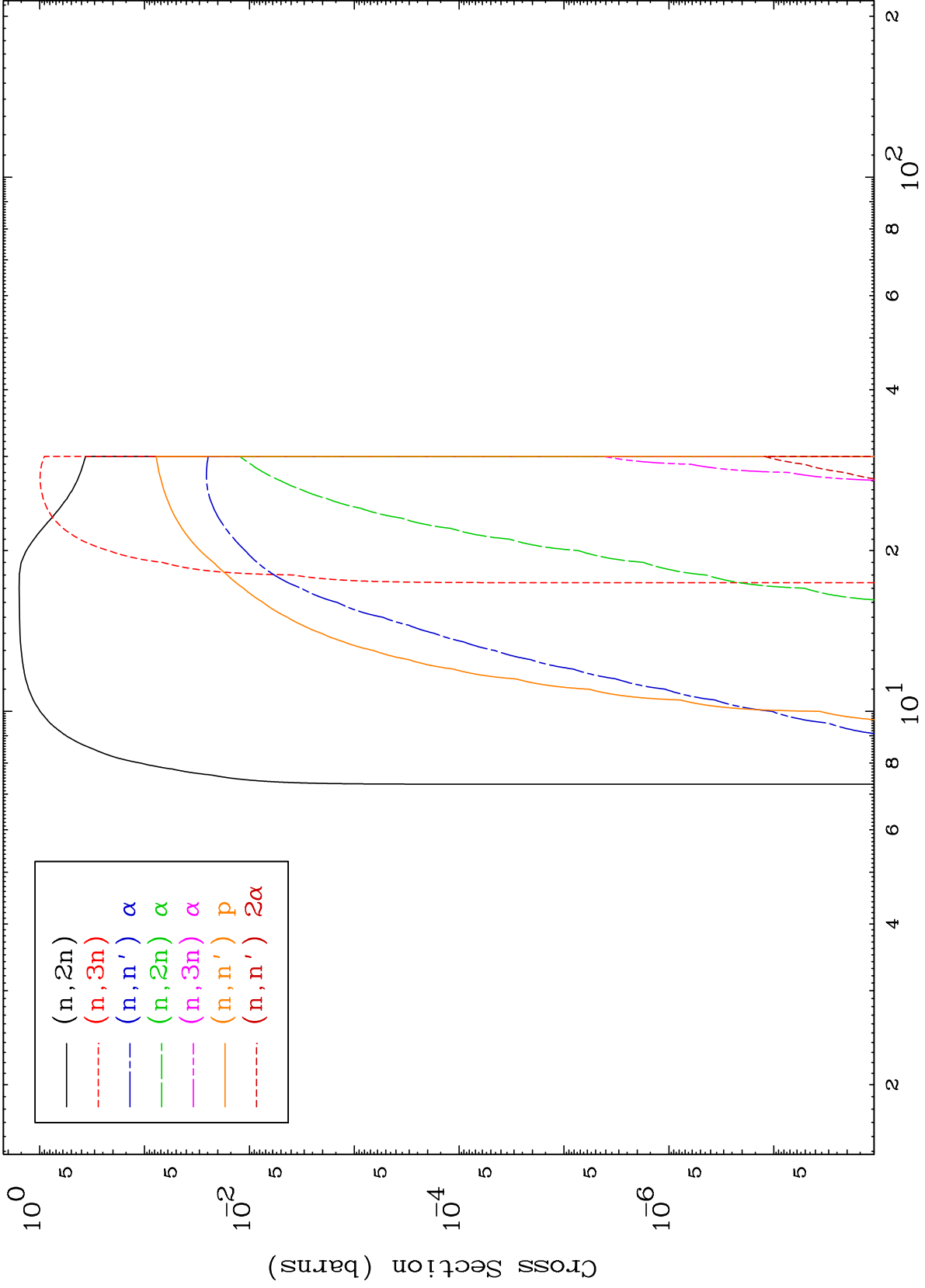
54-Xe-127



MAT 5434

Neutron Production
293 Kelvin Cross Sections

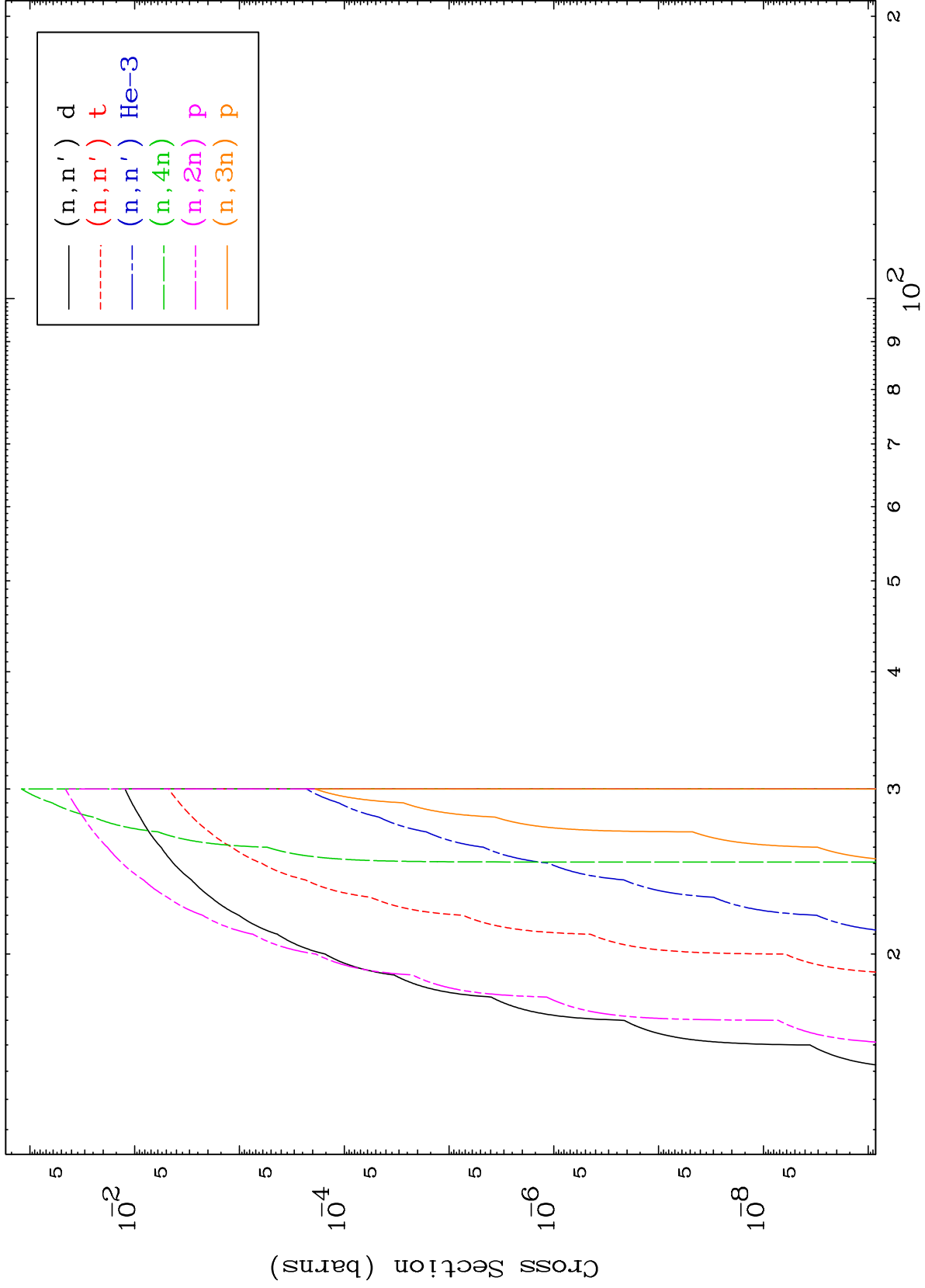
54-Xe-127



2

Incident Energy (MeV)

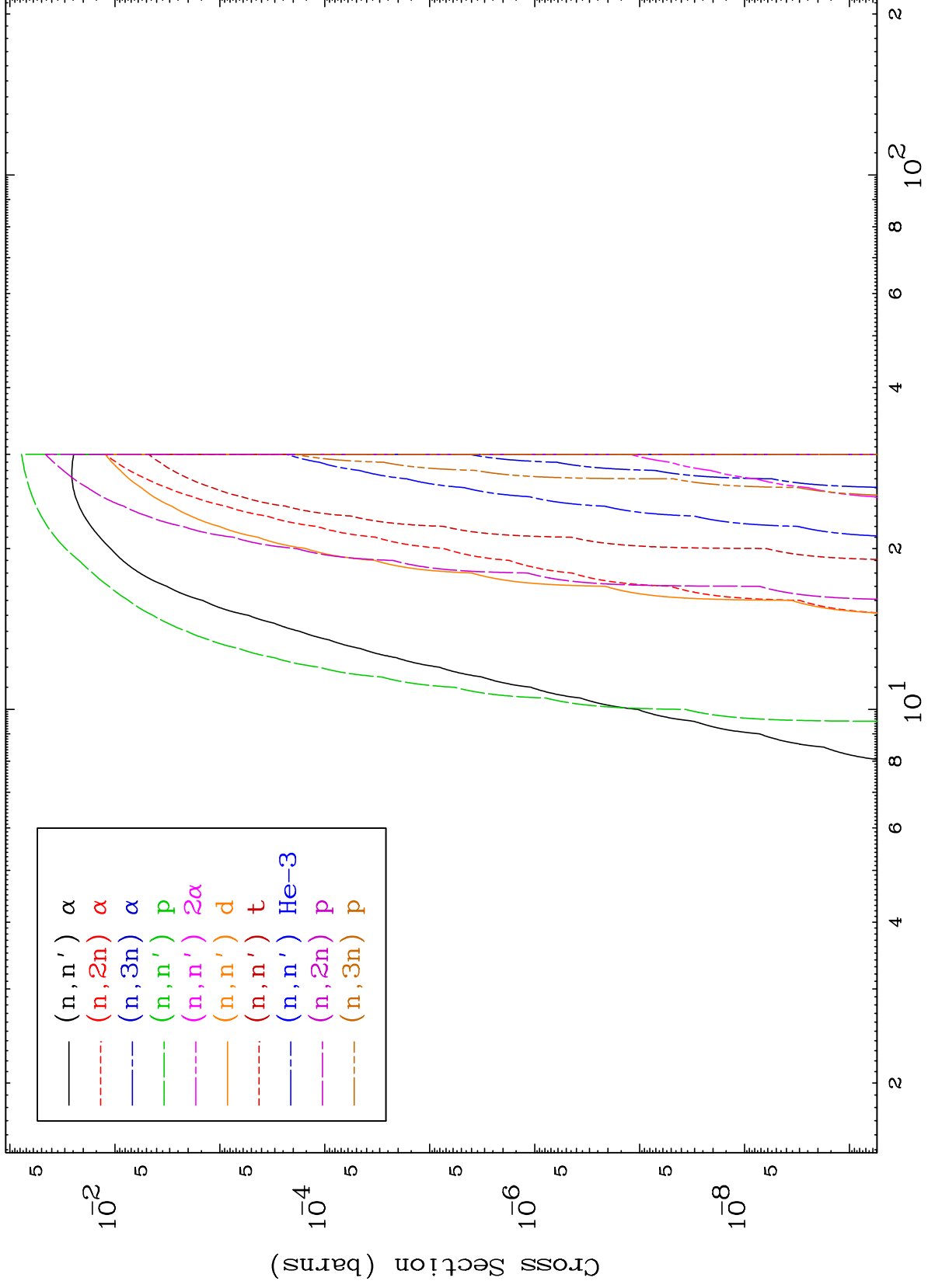
54-Xe-127



MAT 5434

Charged Particle
293 Kelvin Cross Sections

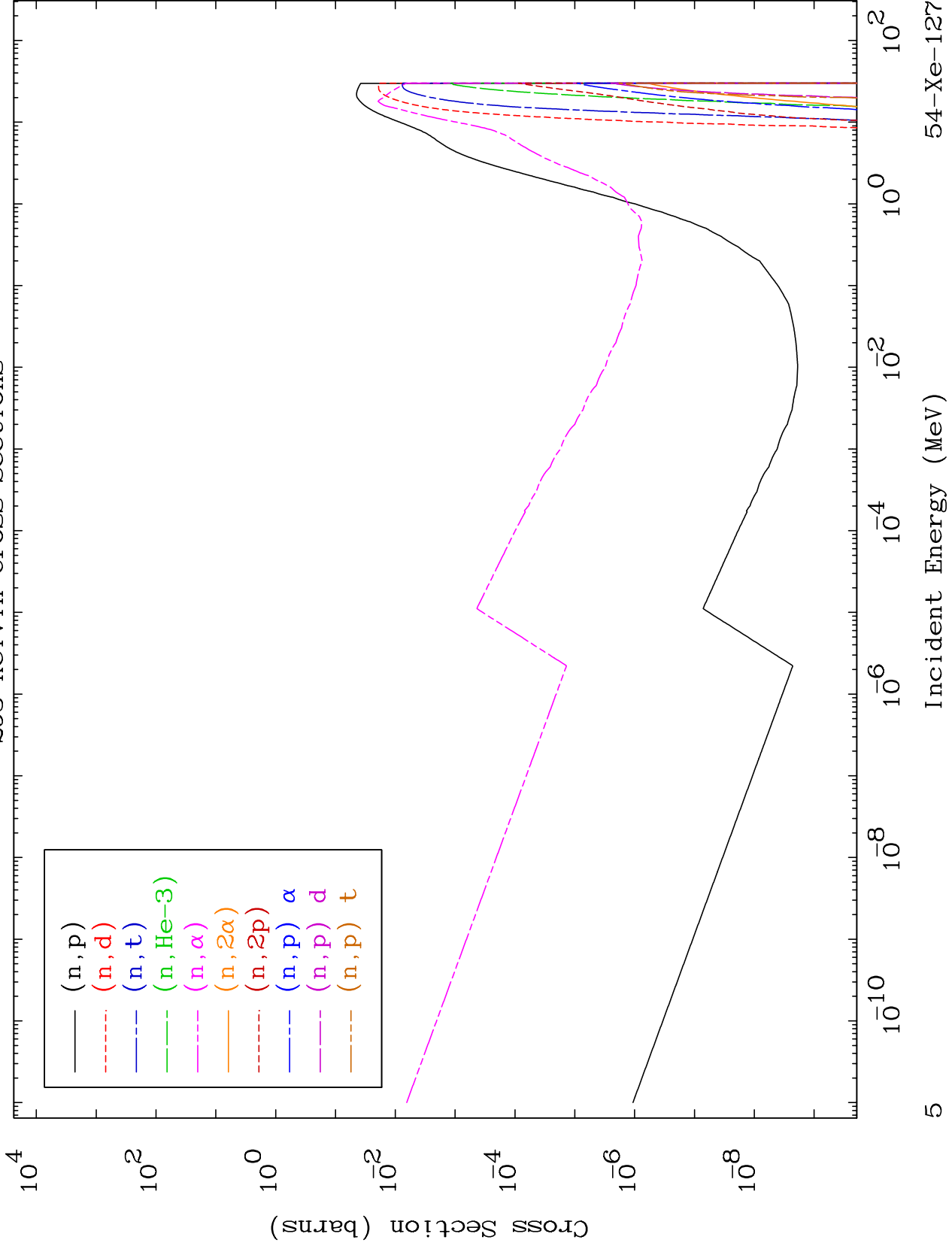
54-Xe-127

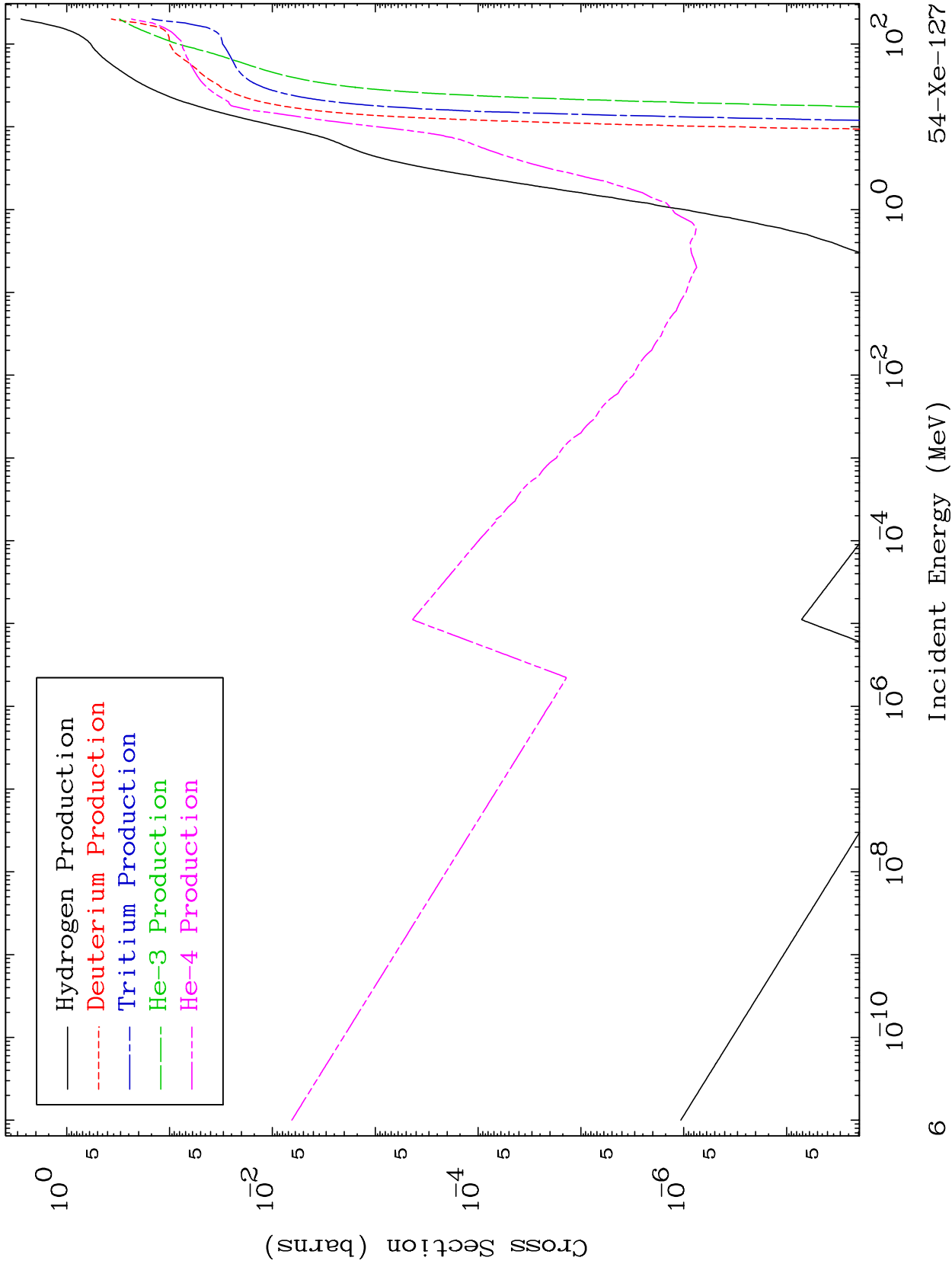


MAT 5434

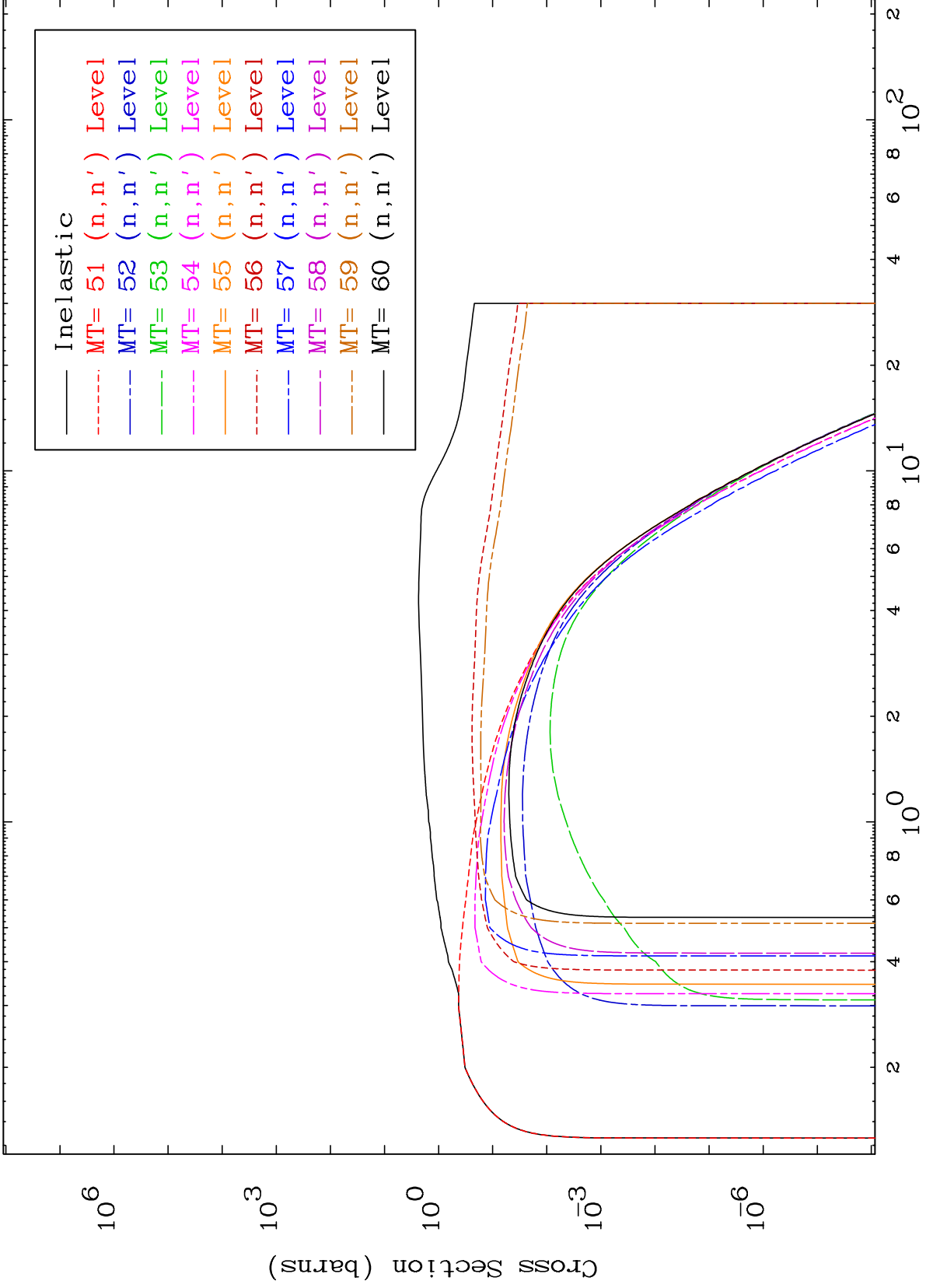
Charged Particle
293 Kelvin Cross Sections

54-Xe-127





293 Kelvin Cross Sections

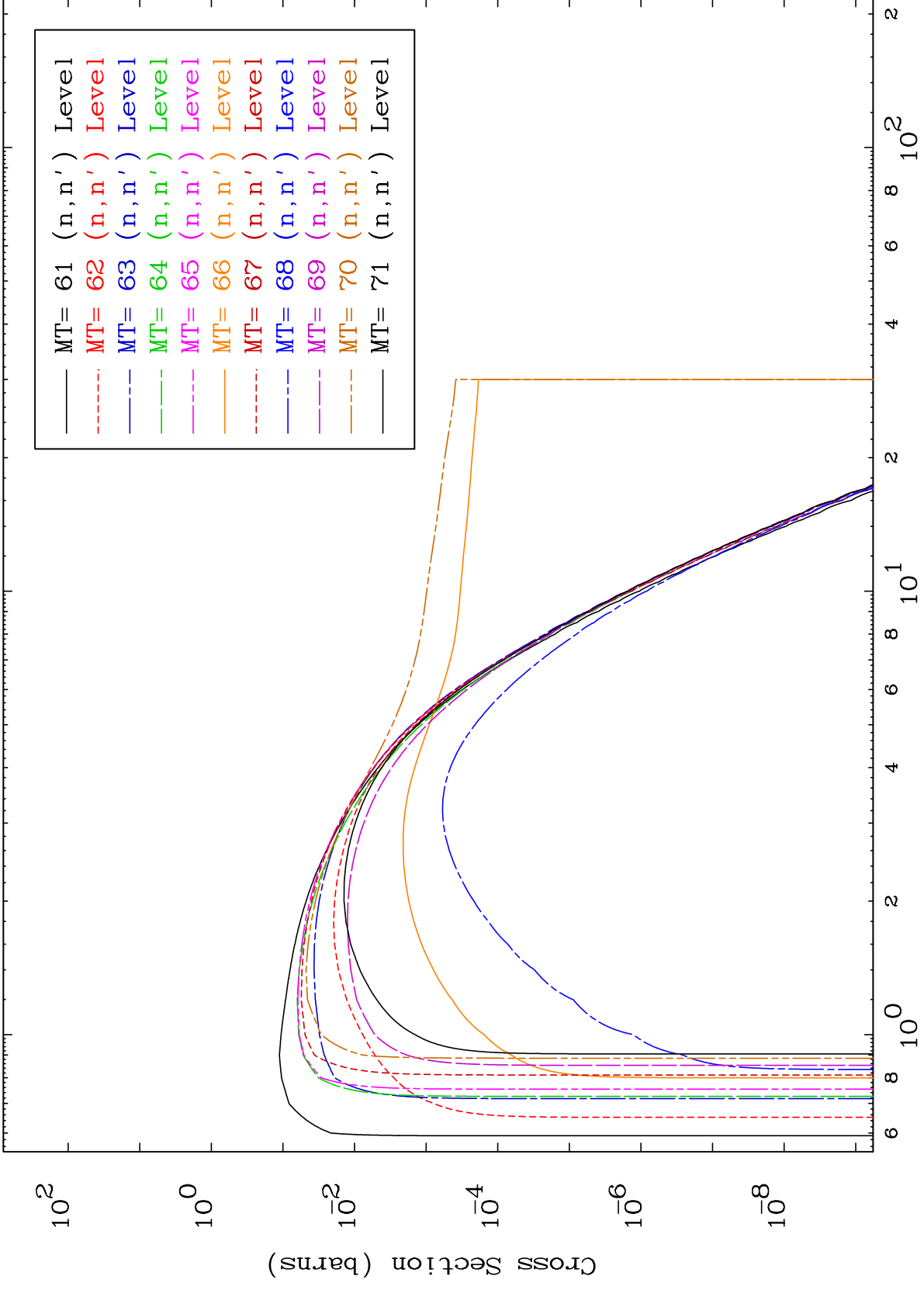


MAT 5434

(n,n') Level

54-Xe-127

293 Kelvin Cross Sections



8

Incident Energy (MeV)

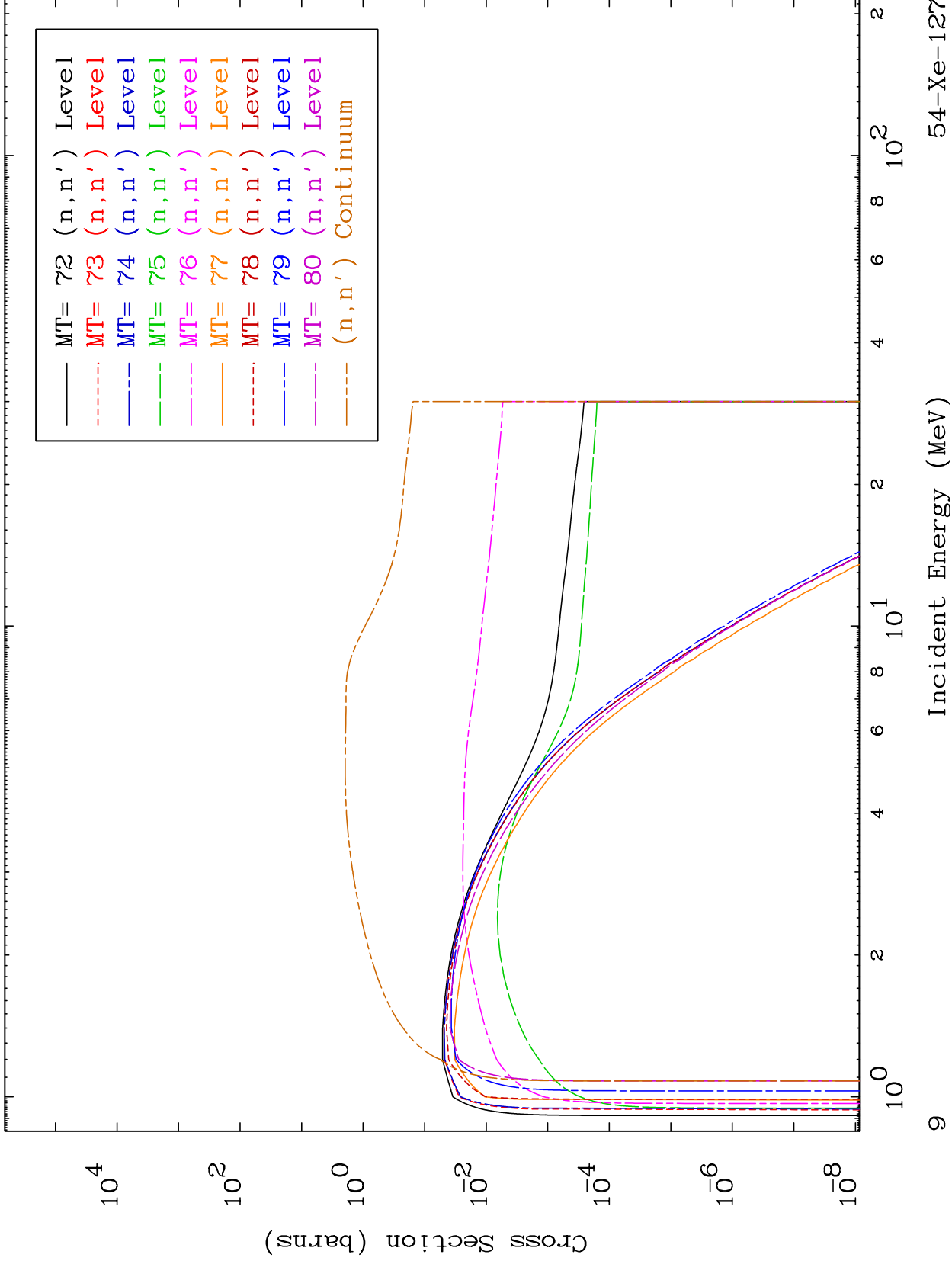
54-Xe-127

MAT 5434

(n,n') Level

54-Xe-127

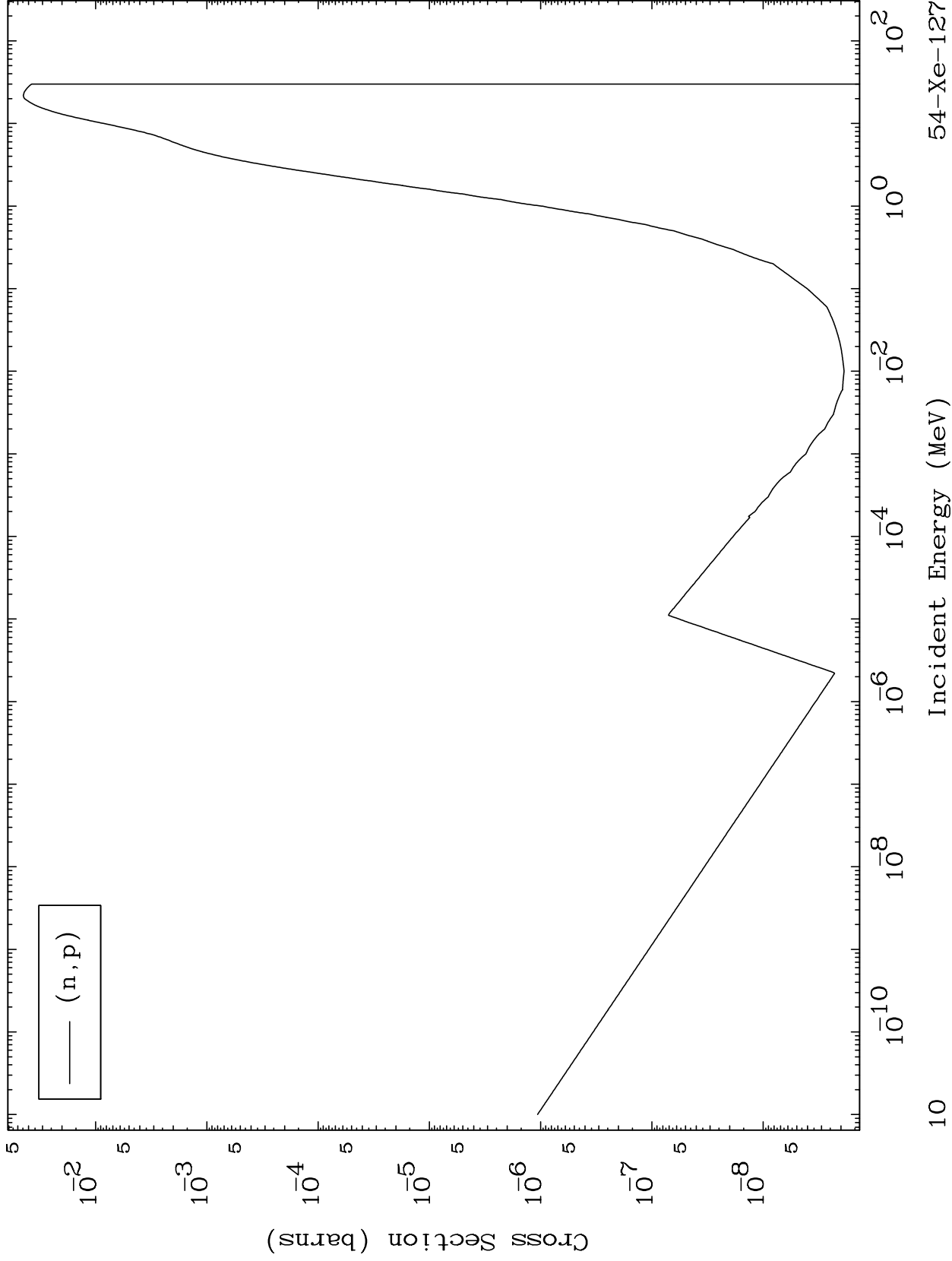
293 Kelvin Cross Sections



MAT 5434

(n,p) Levels
293 Kelvin Cross Sections

54-Xe-127



10

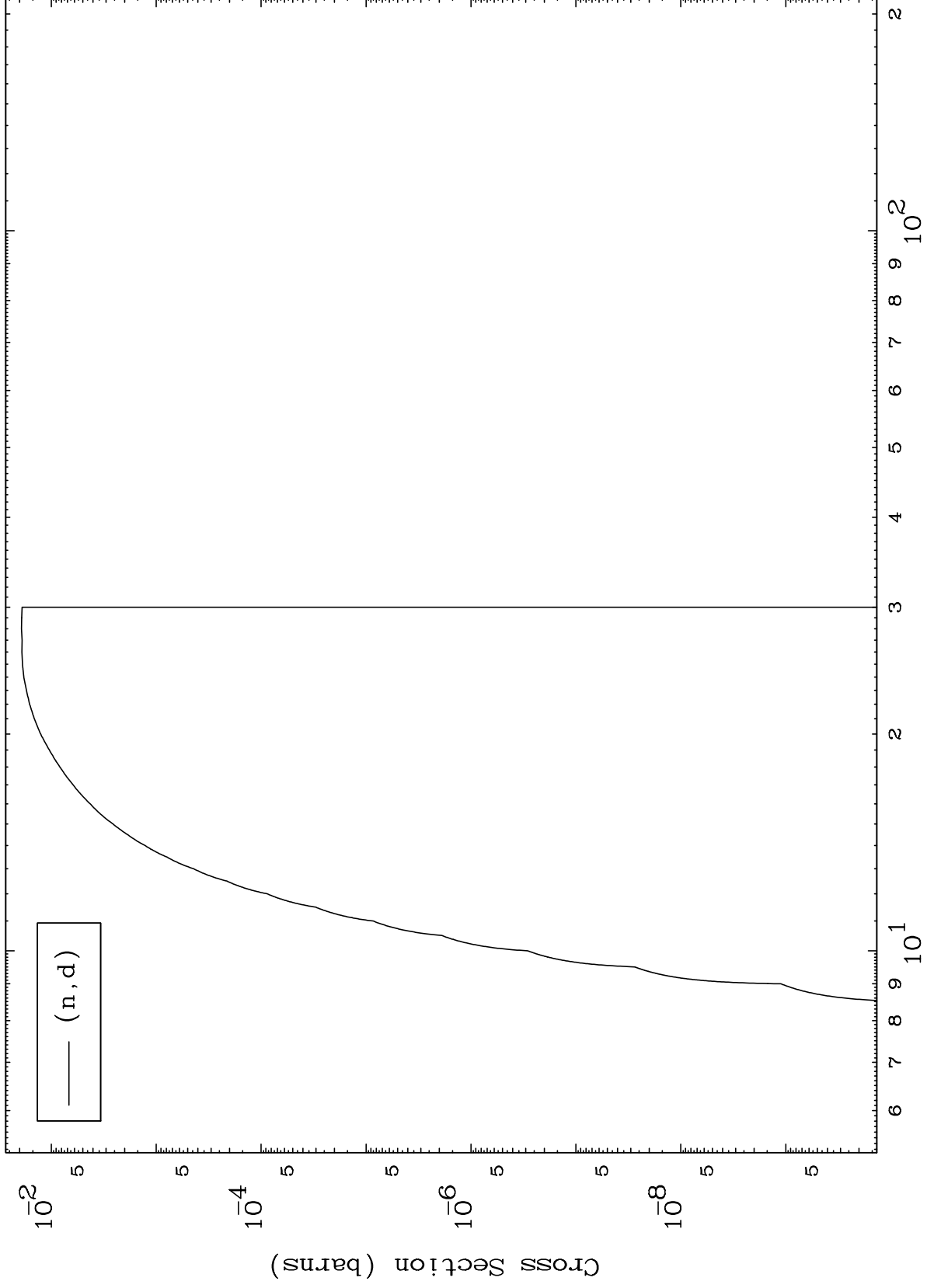
Incident Energy (MeV)

54-Xe-127

MAT 5434

(n,d) Levels
293 Kelvin Cross Sections

54-Xe-127



11

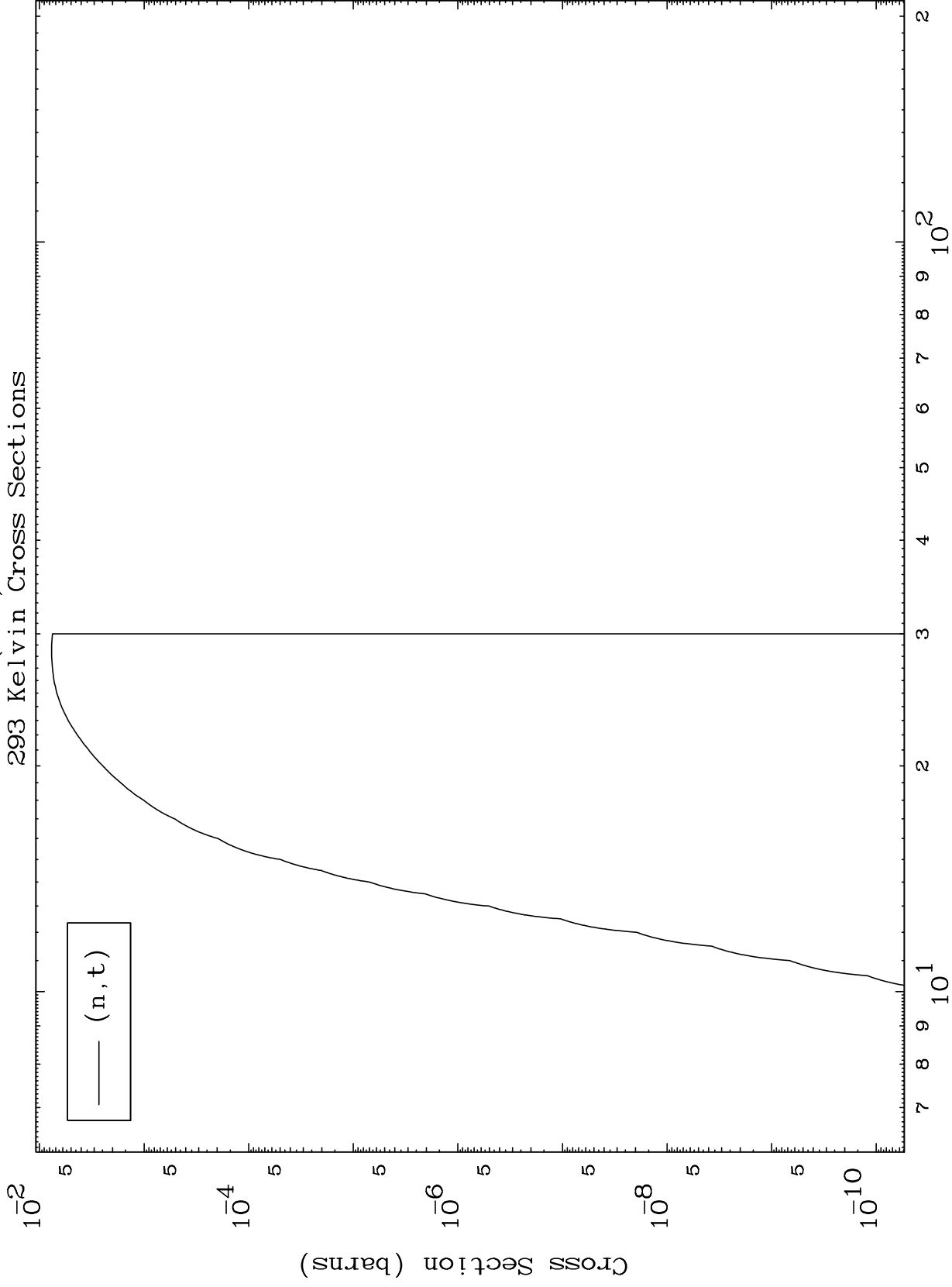
Incident Energy (MeV)

54-Xe-127

MAT 5434

(n,t) Levels
293 Kelvin Cross Sections

54-Xe-127



12

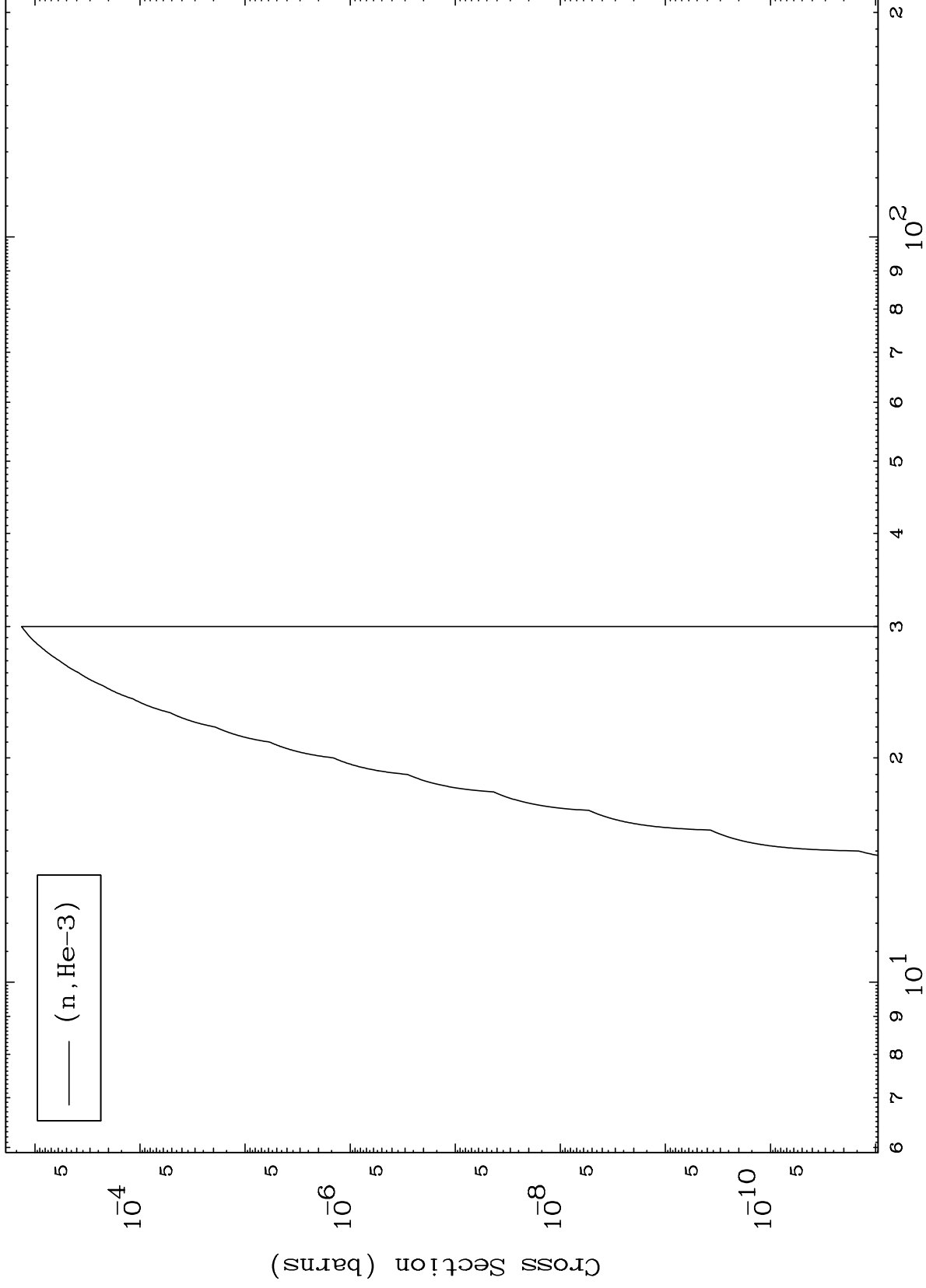
Incident Energy (MeV)

54-Xe-127

MAT 5434

(n,He3) Levels
293 Kelvin Cross Sections

54-Xe-127



13

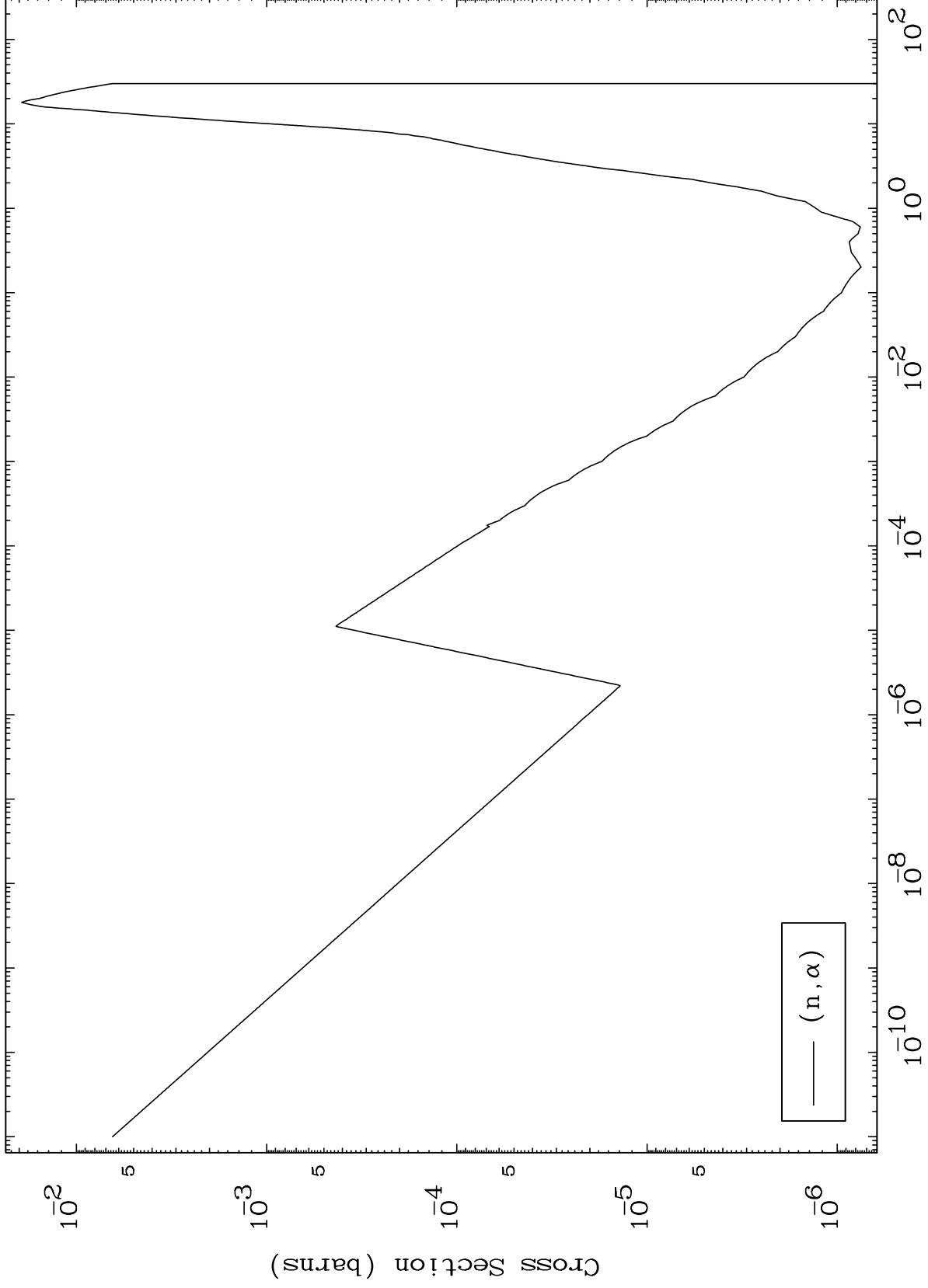
Incident Energy (MeV)

54-Xe-127

MAT 5434

(n,α) Levels
293 Kelvin Cross Sections

54-Xe-127

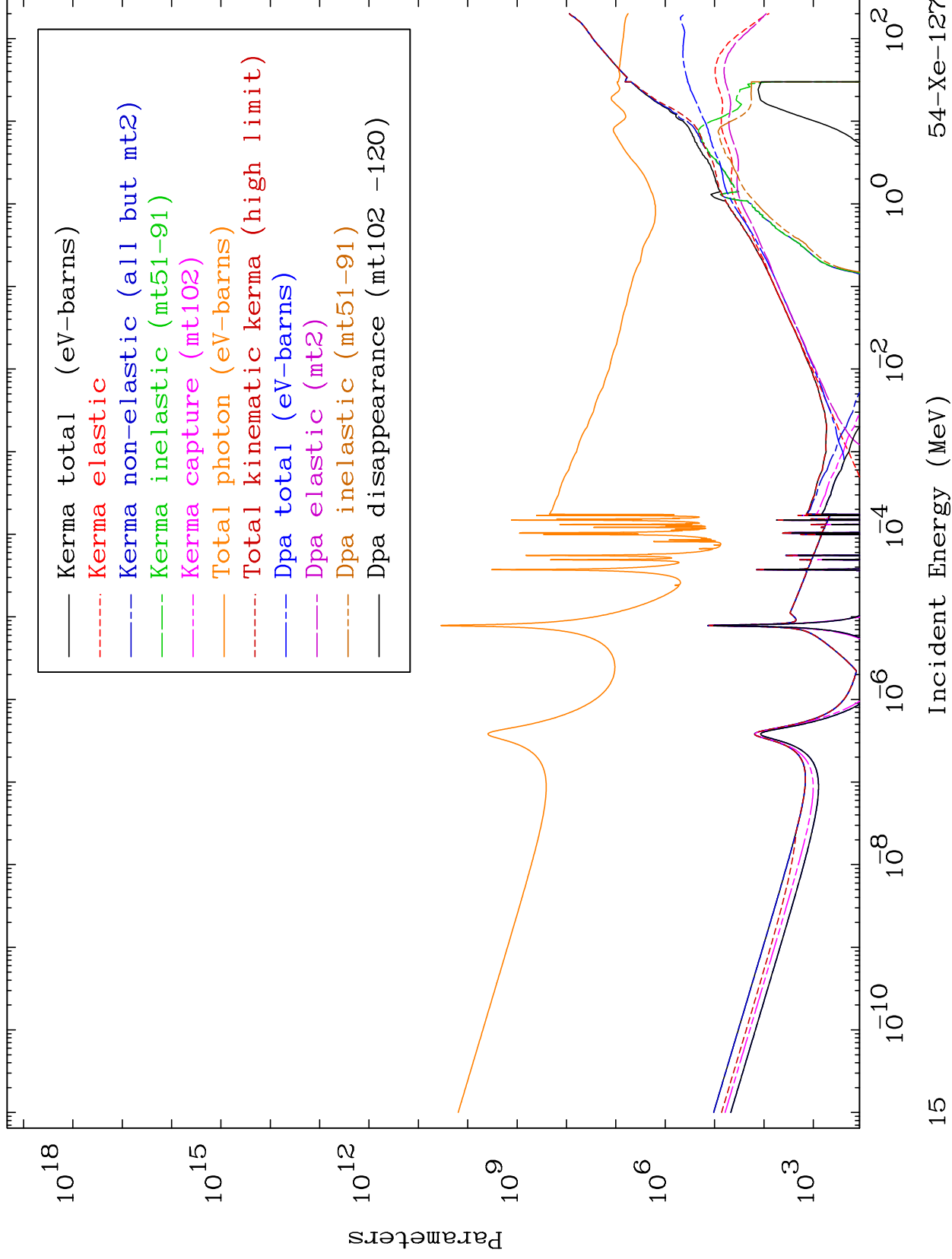


(n,α)

14

Incident Energy (MeV)

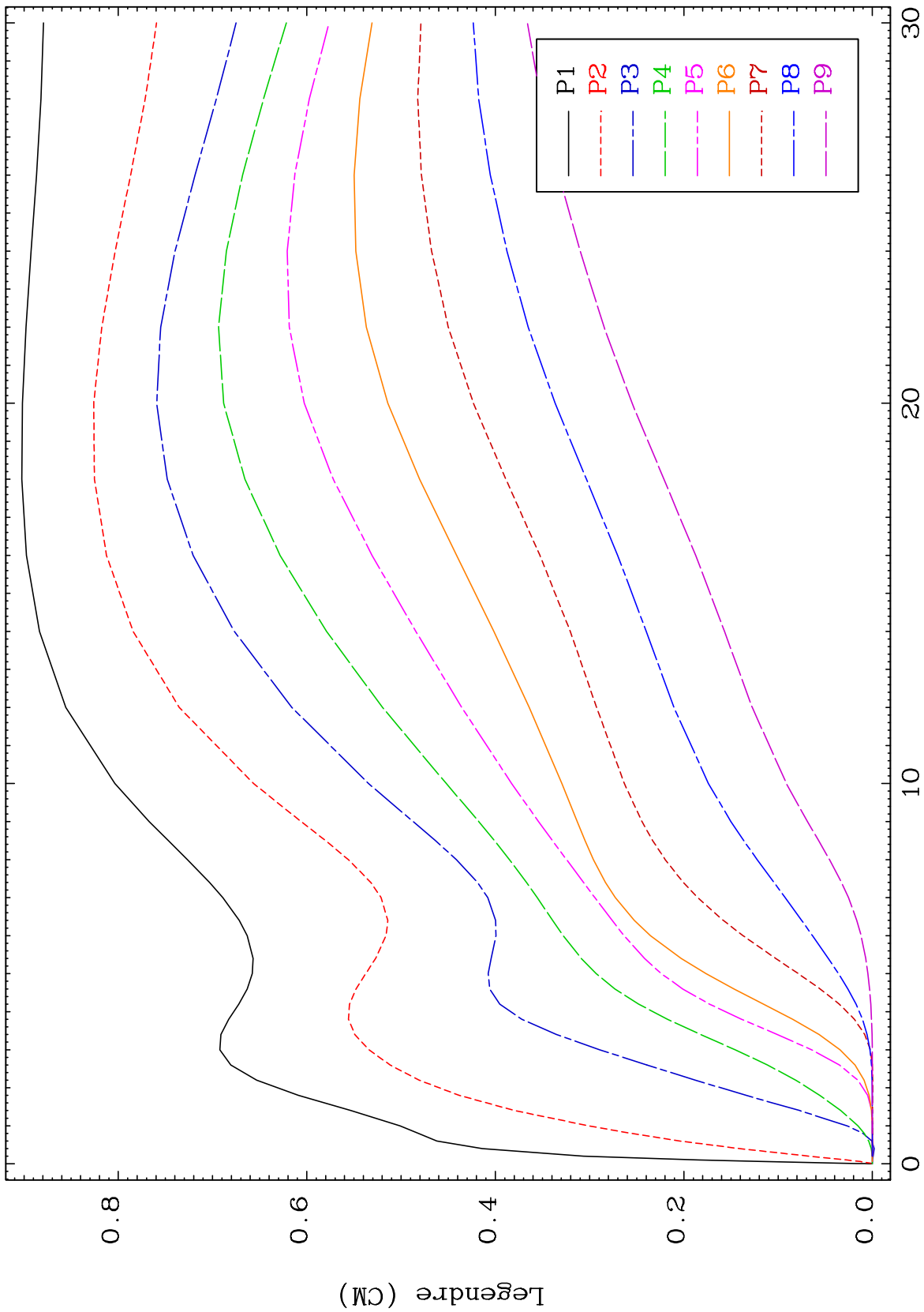
54-Xe-127



MAT 5434

Elastic Legendre Coefficients

54-Xe-127



16

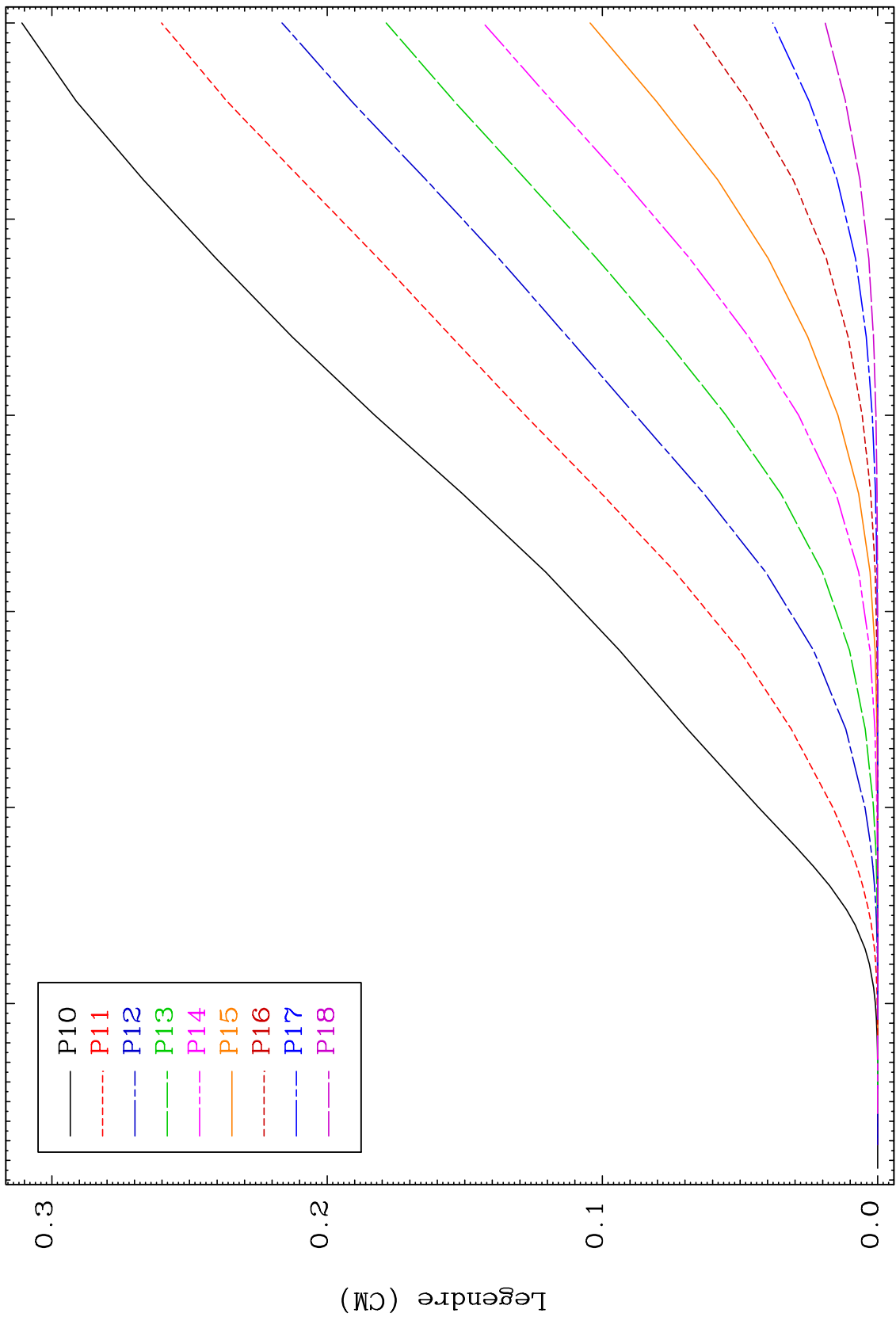
Incident Energy (MeV)

54-Xe-127

MAT 5434

Elastic Legendre Coefficients

54-Xe-127



17

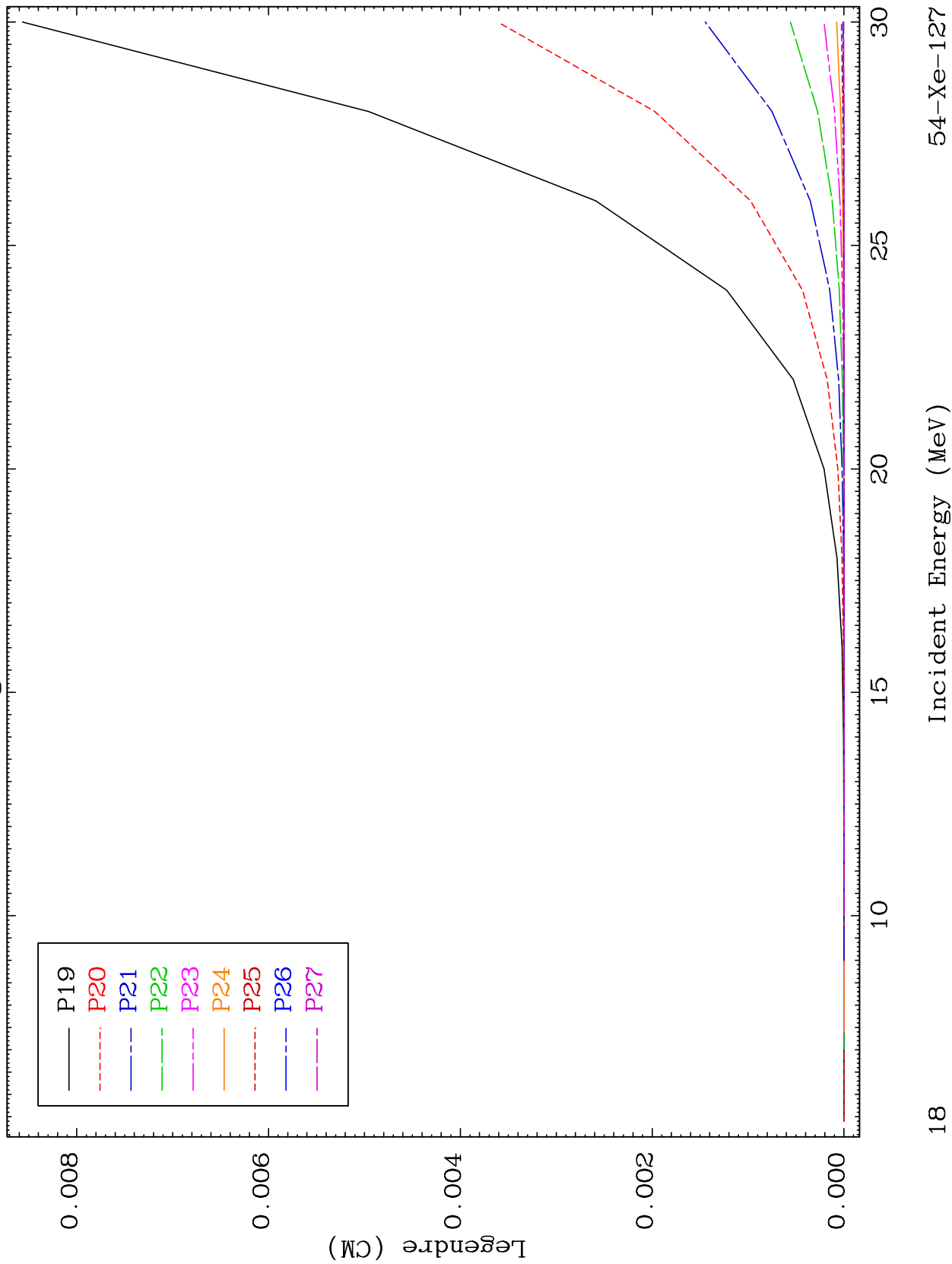
Incident Energy (MeV)

54-Xe-127

MAT 5434

Elastic Legendre Coefficients

54-Xe-127



18

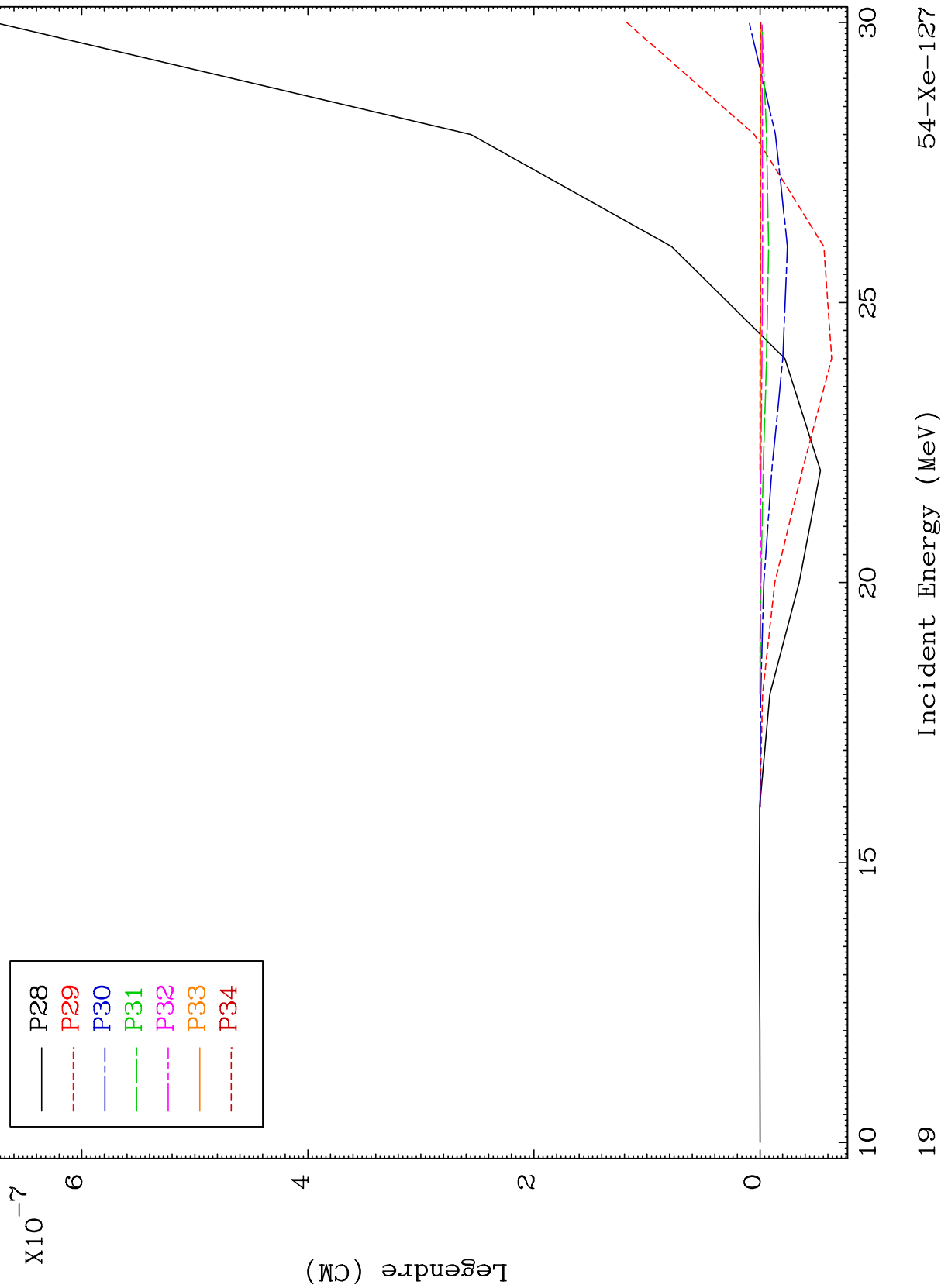
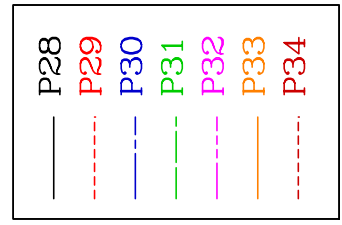
Incident Energy (MeV)

54-Xe-127

MAT 5434

Elastic Legendre Coefficients

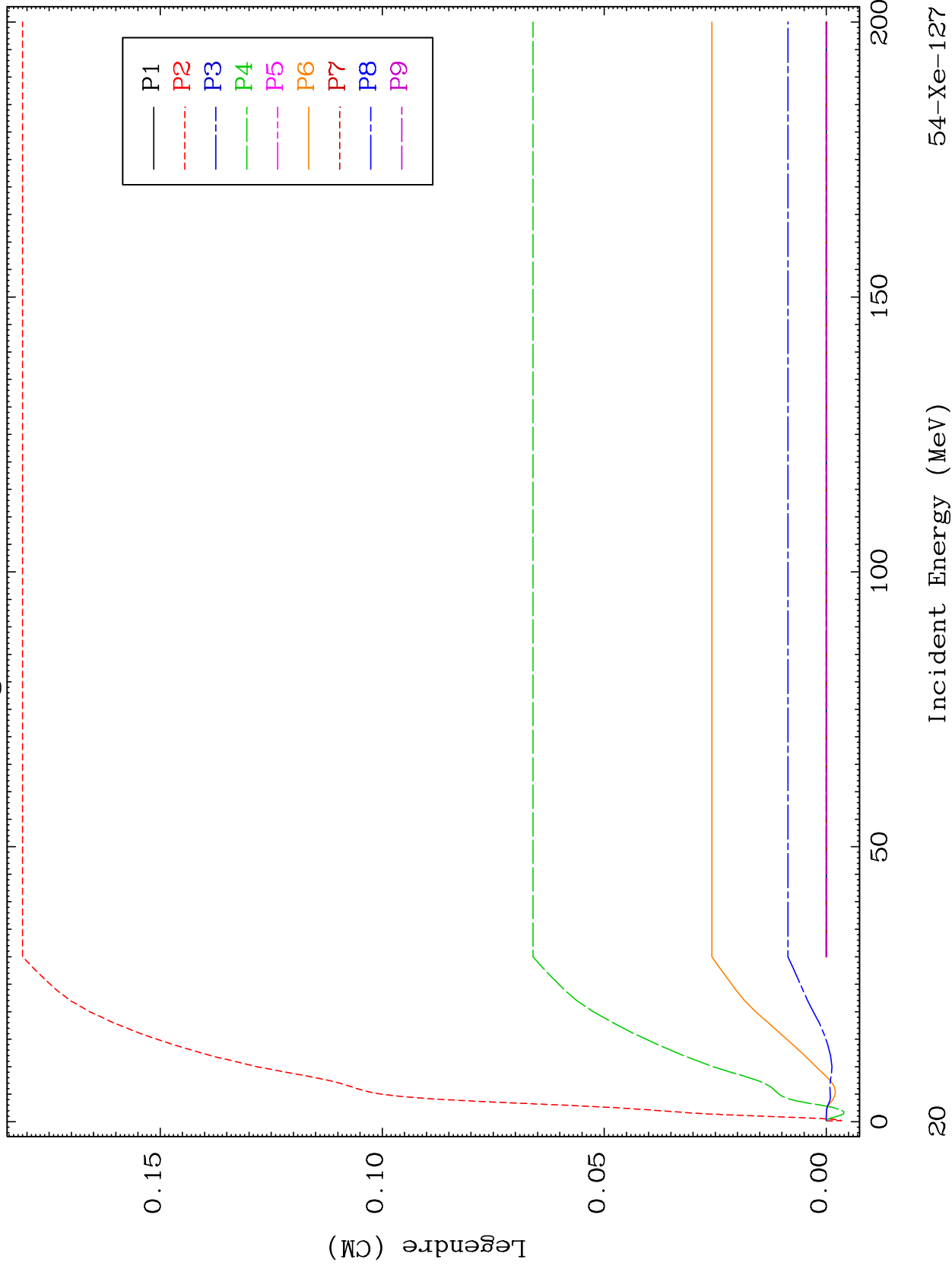
54-Xe-127



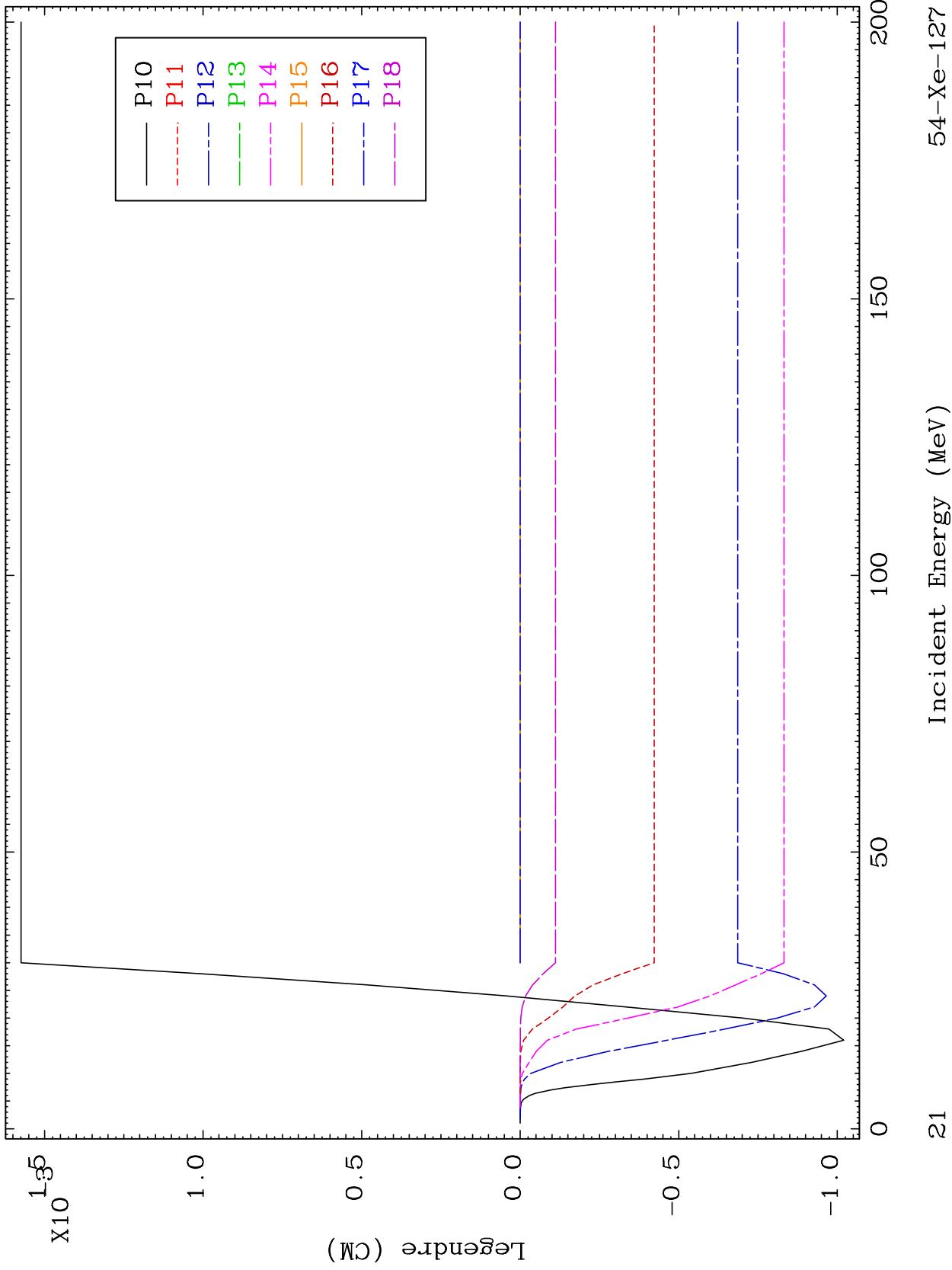
MAT 5434

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

54-Xe-127



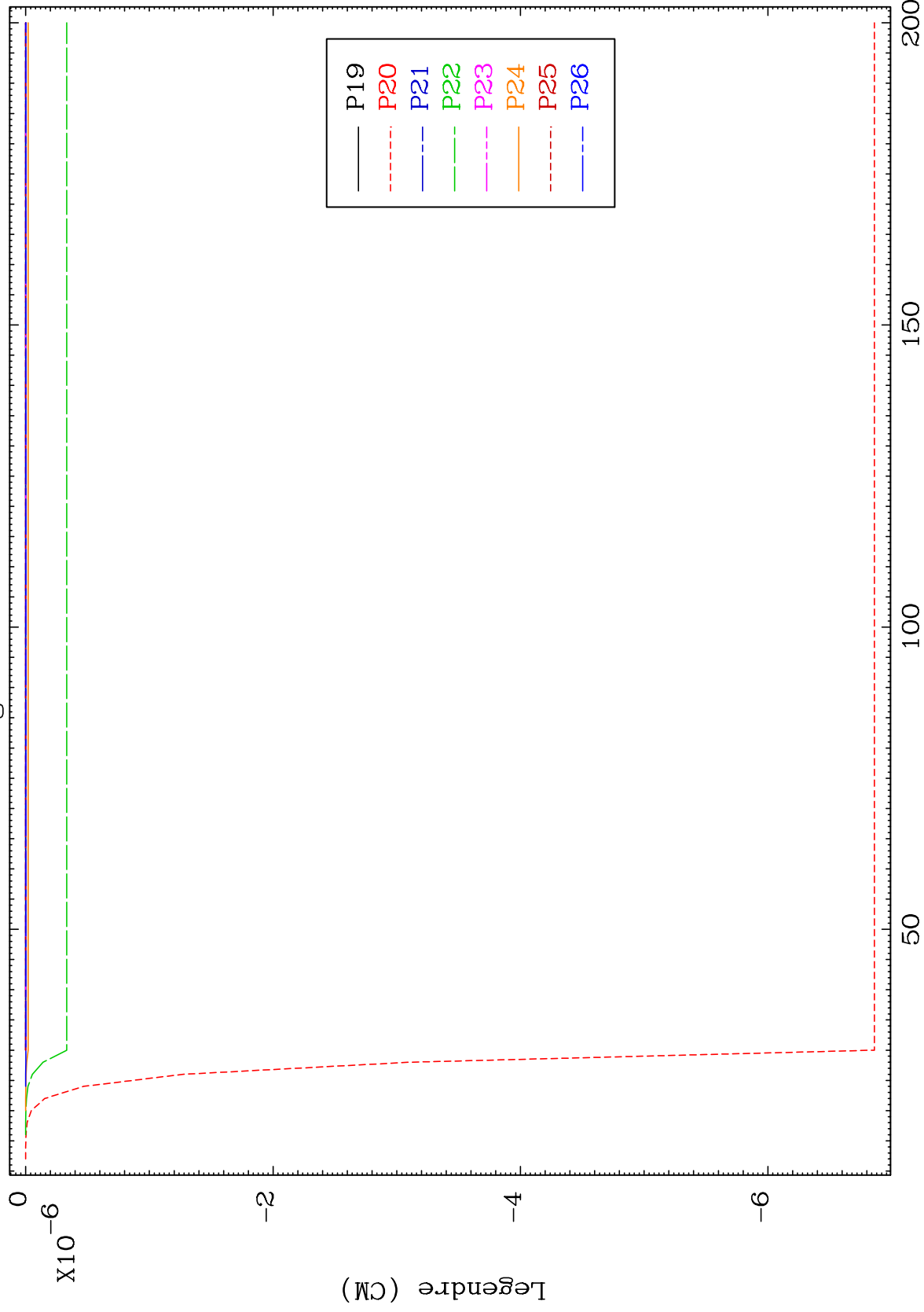
54-Xe-127



MAT 5434

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

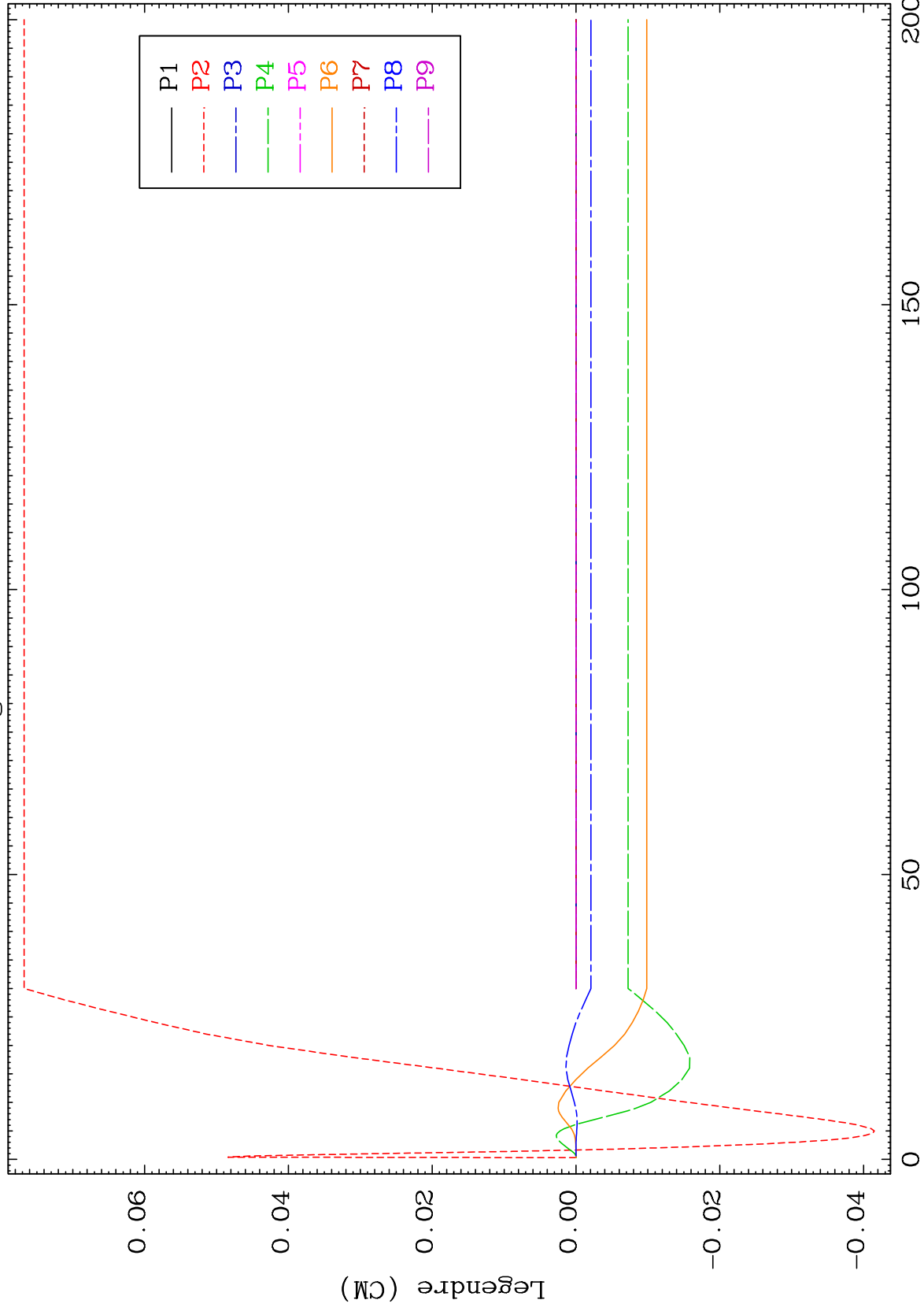
54-Xe-127



MAT 5434

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

54-Xe-127



23

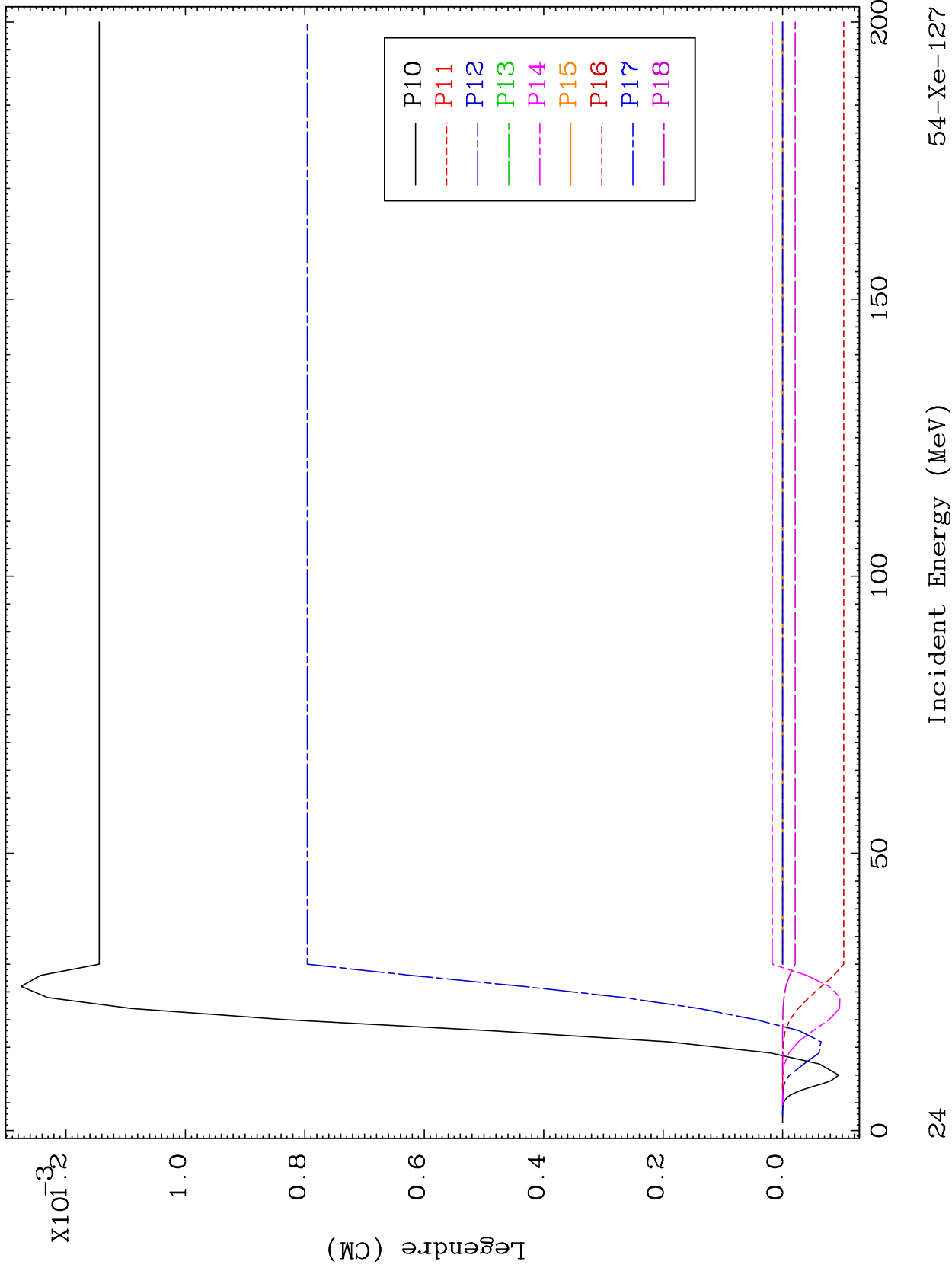
Incident Energy (MeV)

54-Xe-127

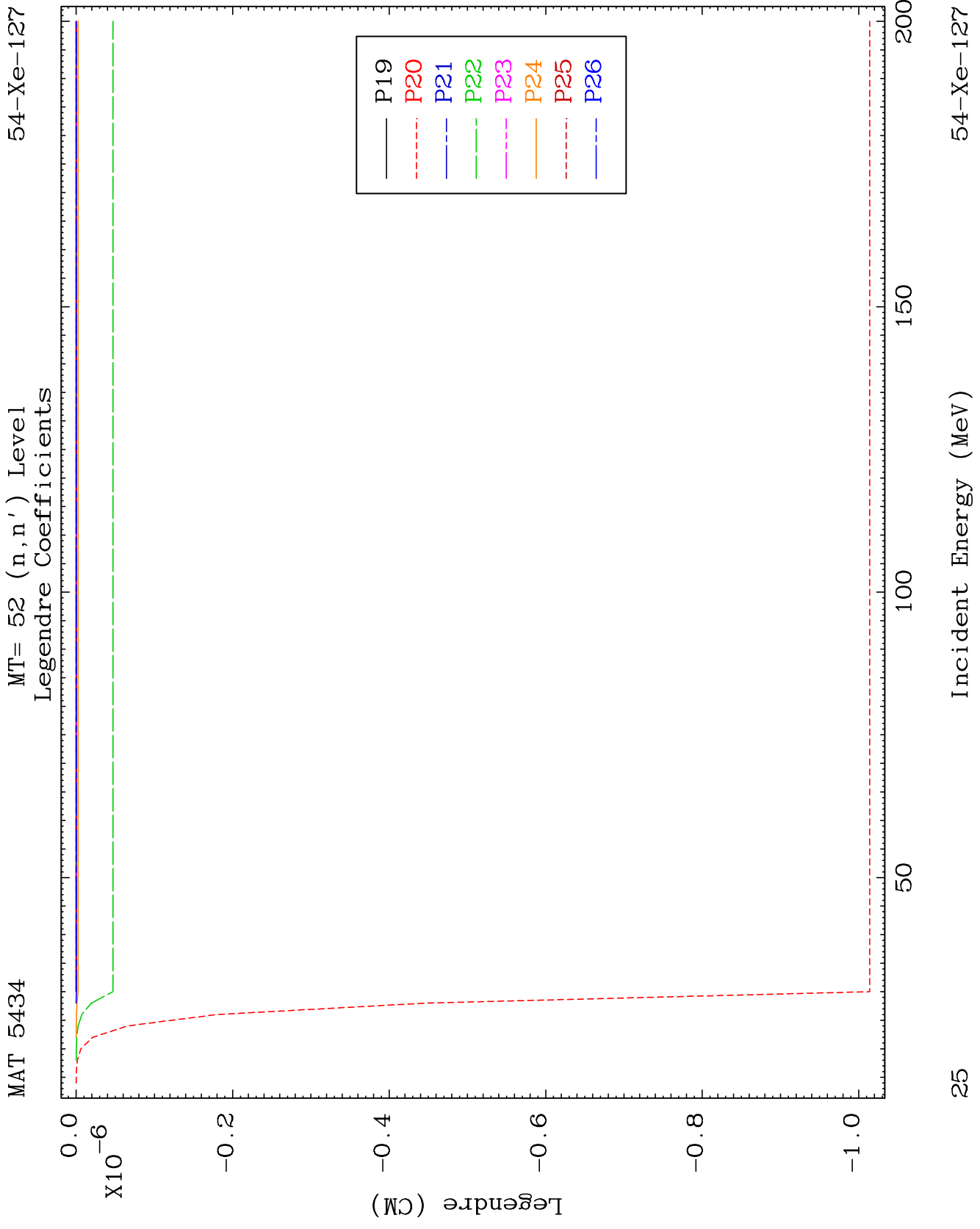
MAT 5434

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

54-Xe-127



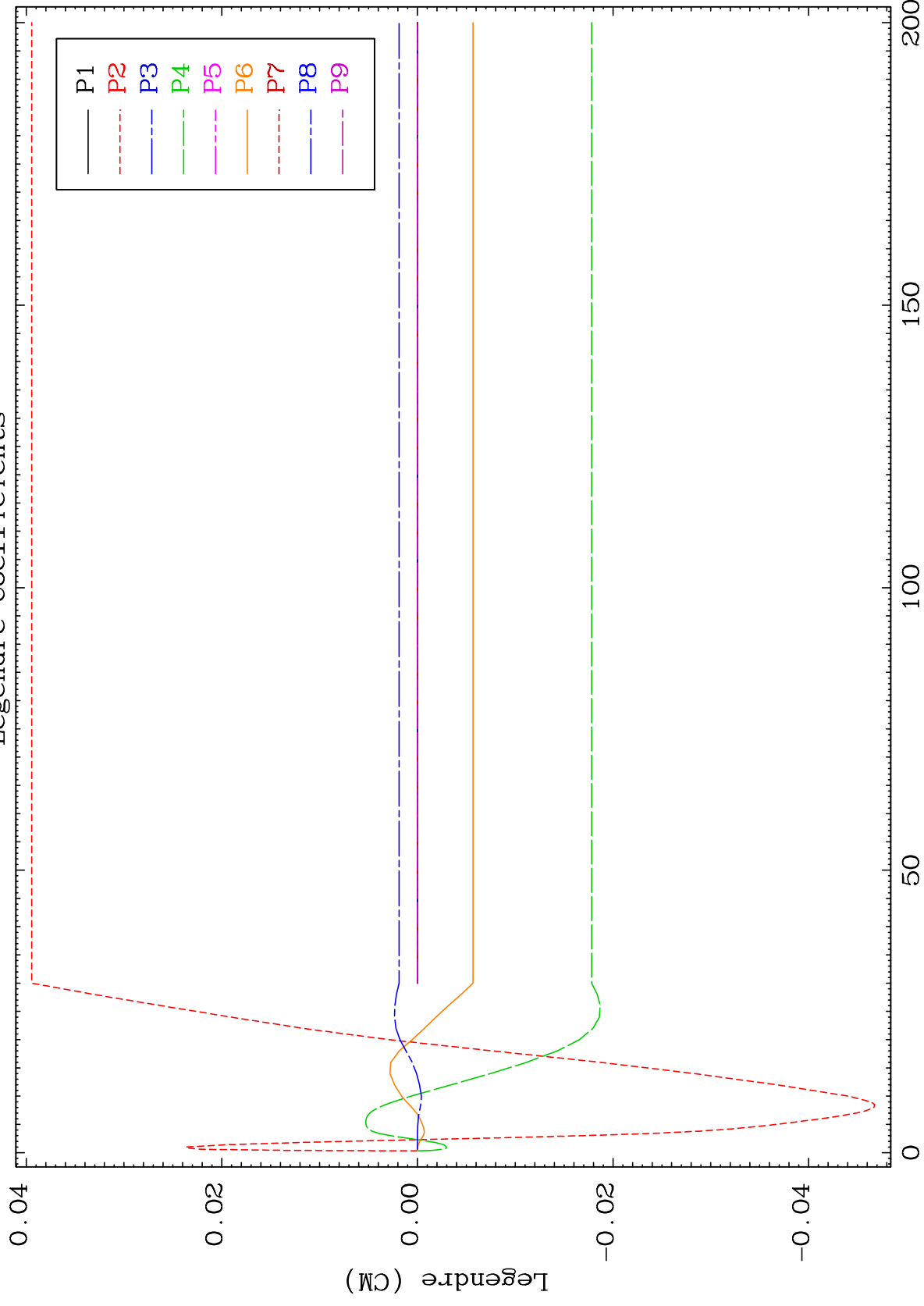
24



MAT 5434

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

54-Xe-127



54-Xe-127

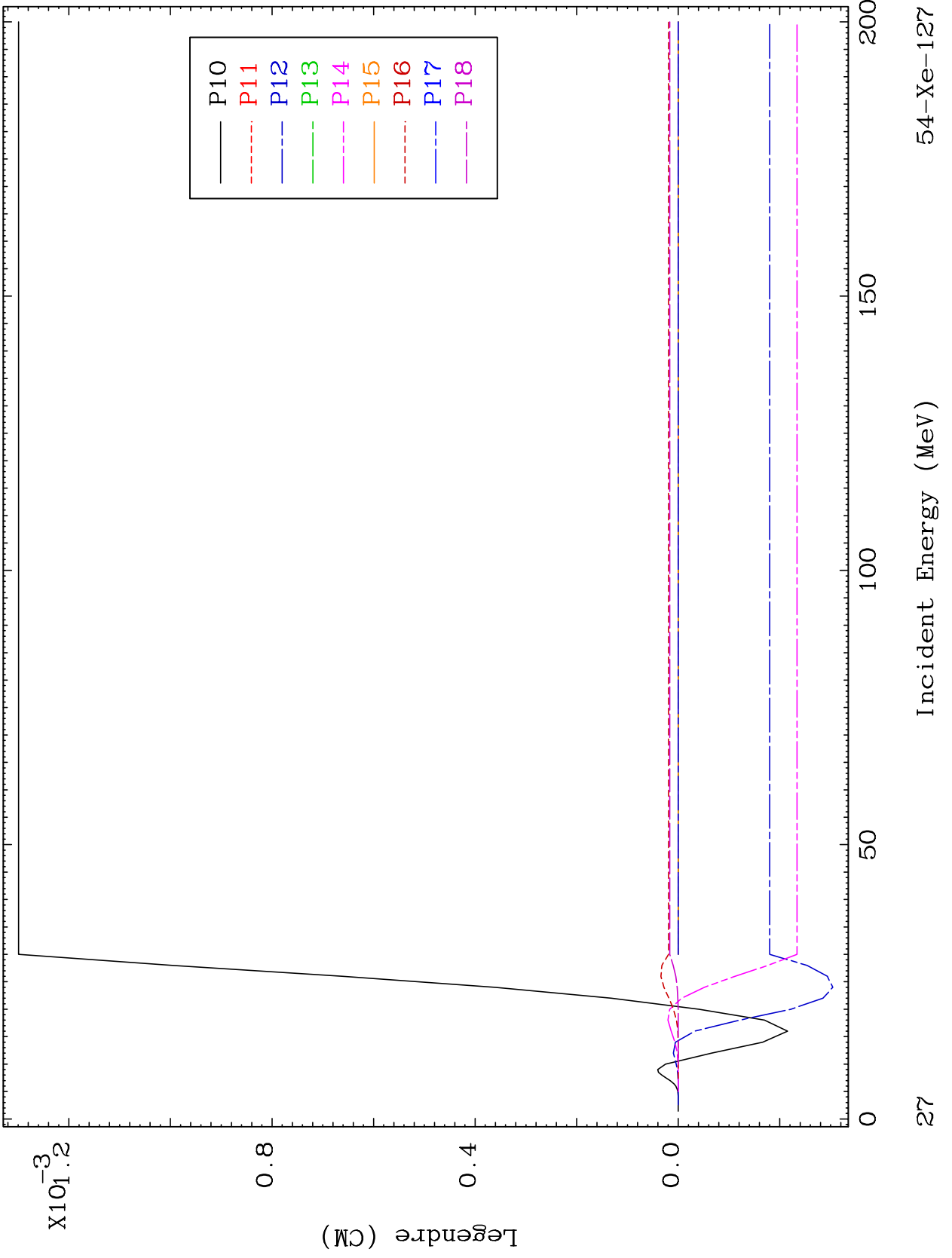
Incident Energy (MeV)

26

MAT 5434

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

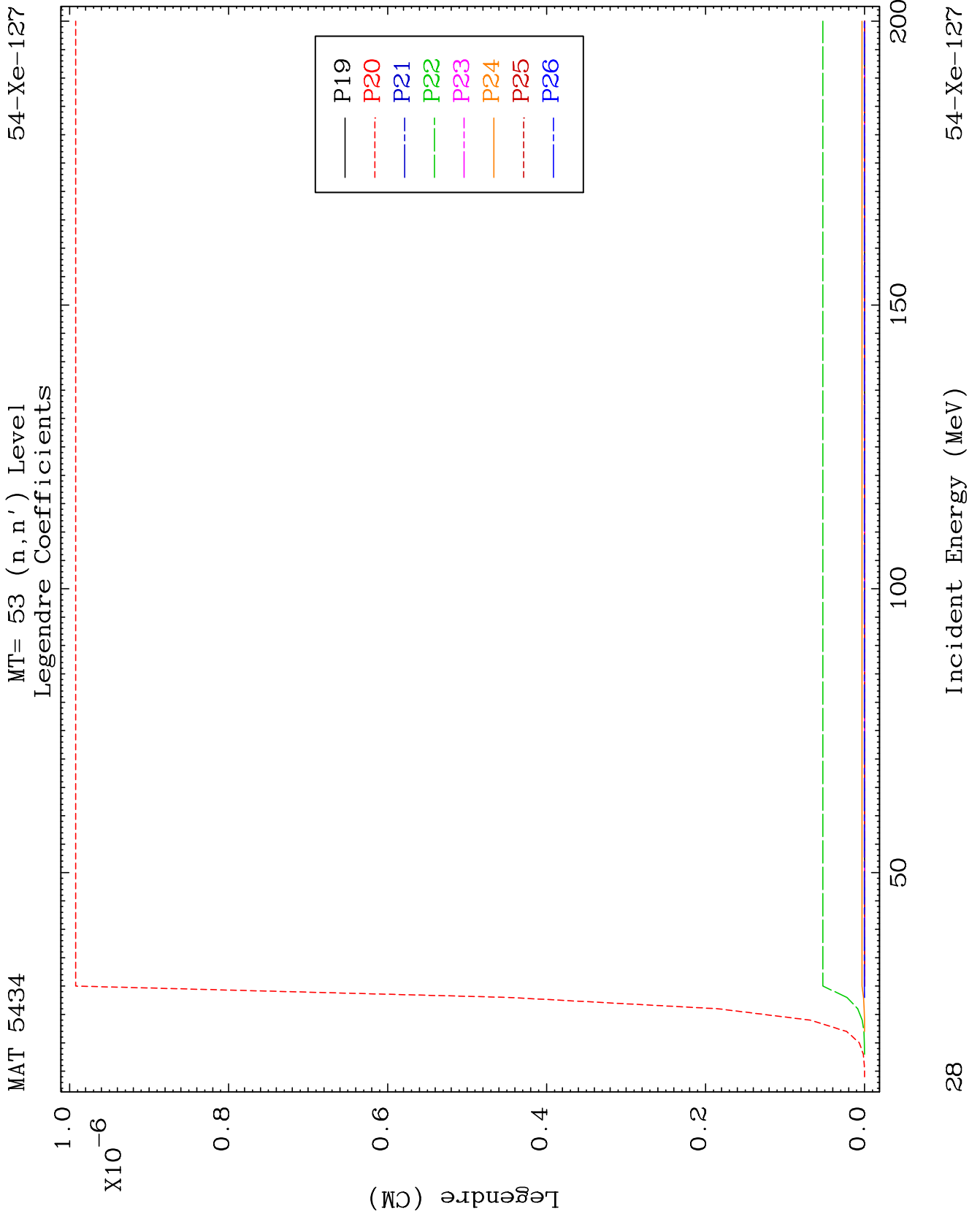
54-Xe-127



27

Incident Energy (MeV)

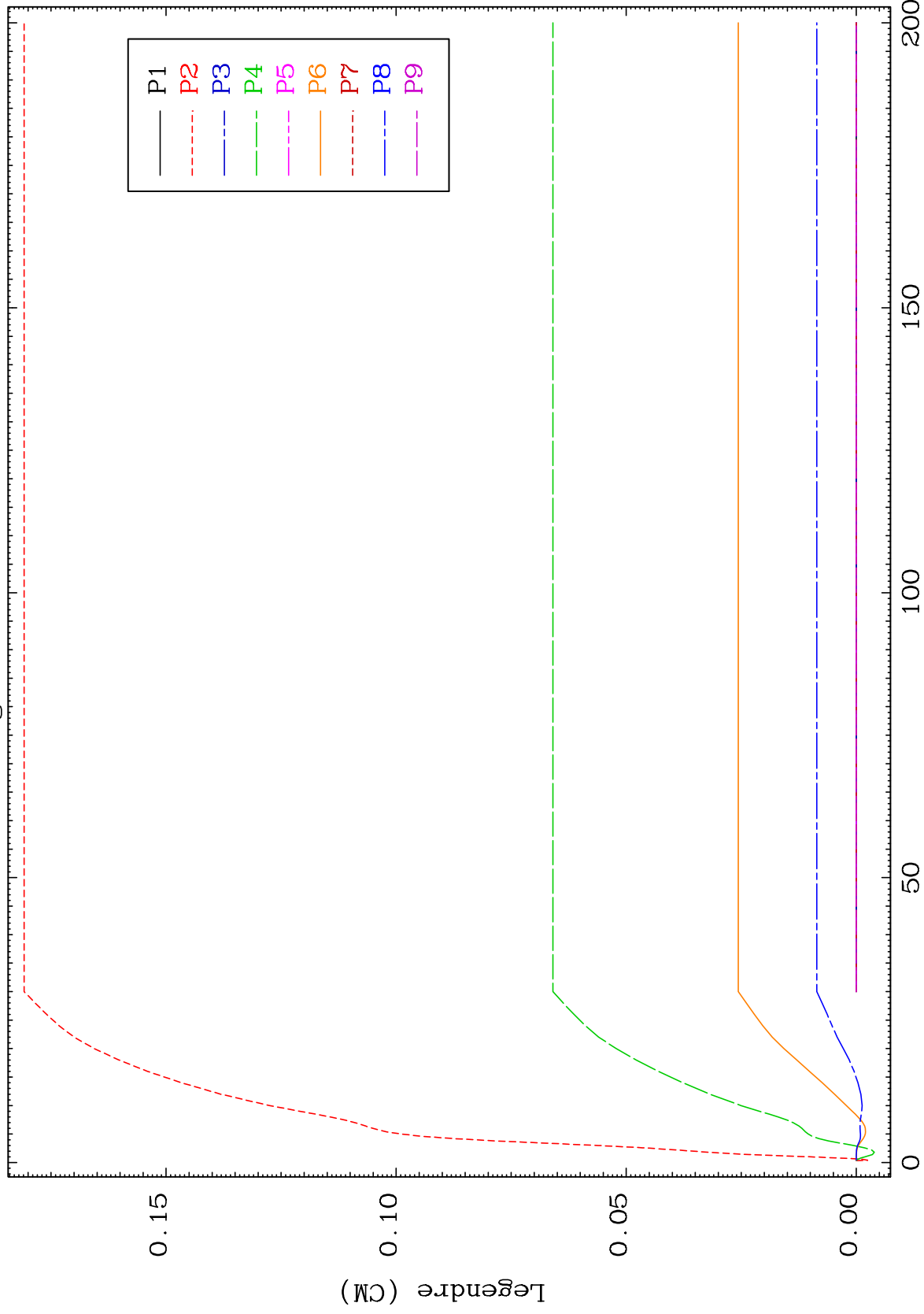
54-Xe-127



MAT 5434

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

54-Xe-127



29

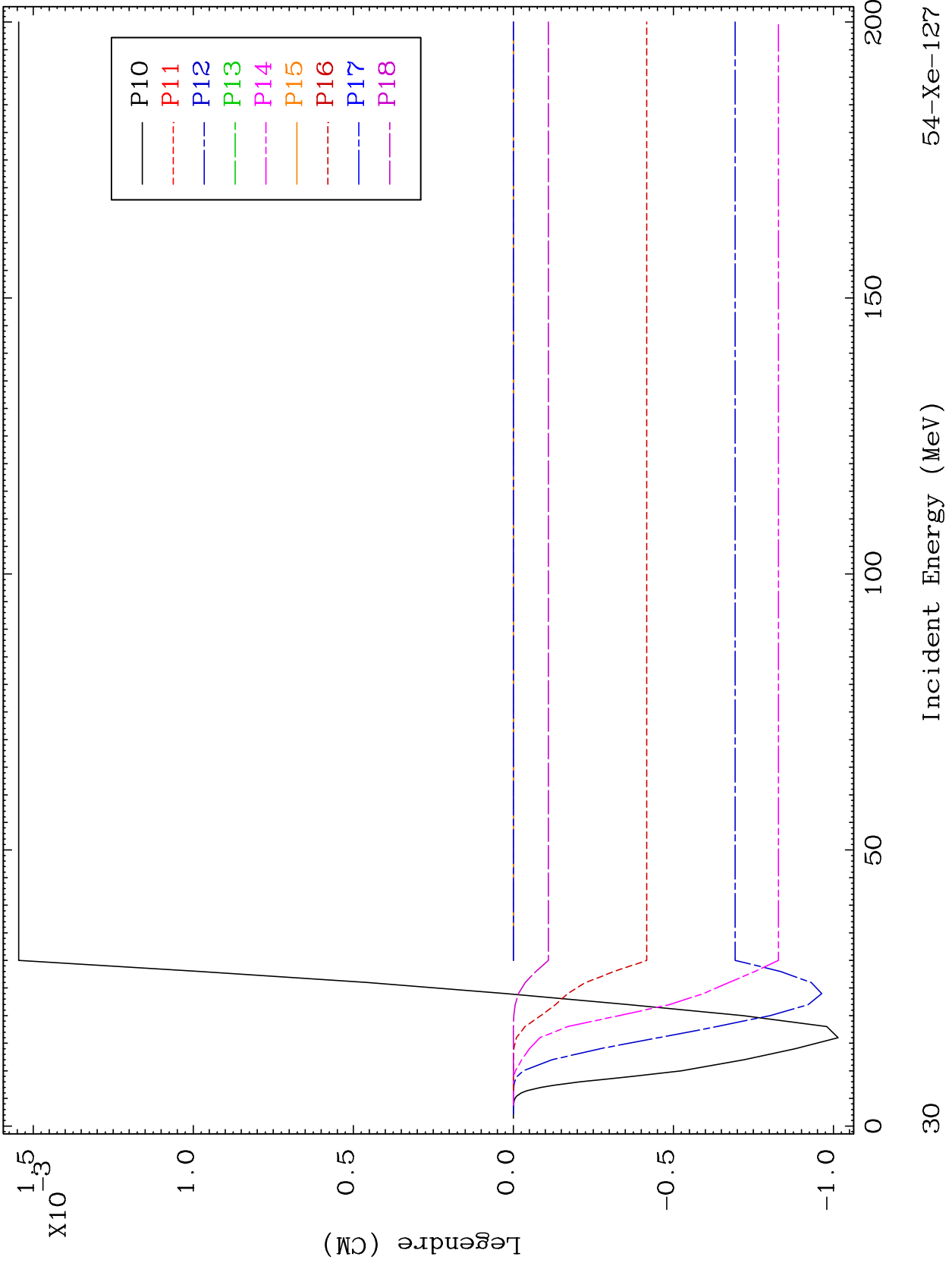
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



54-Xe-127

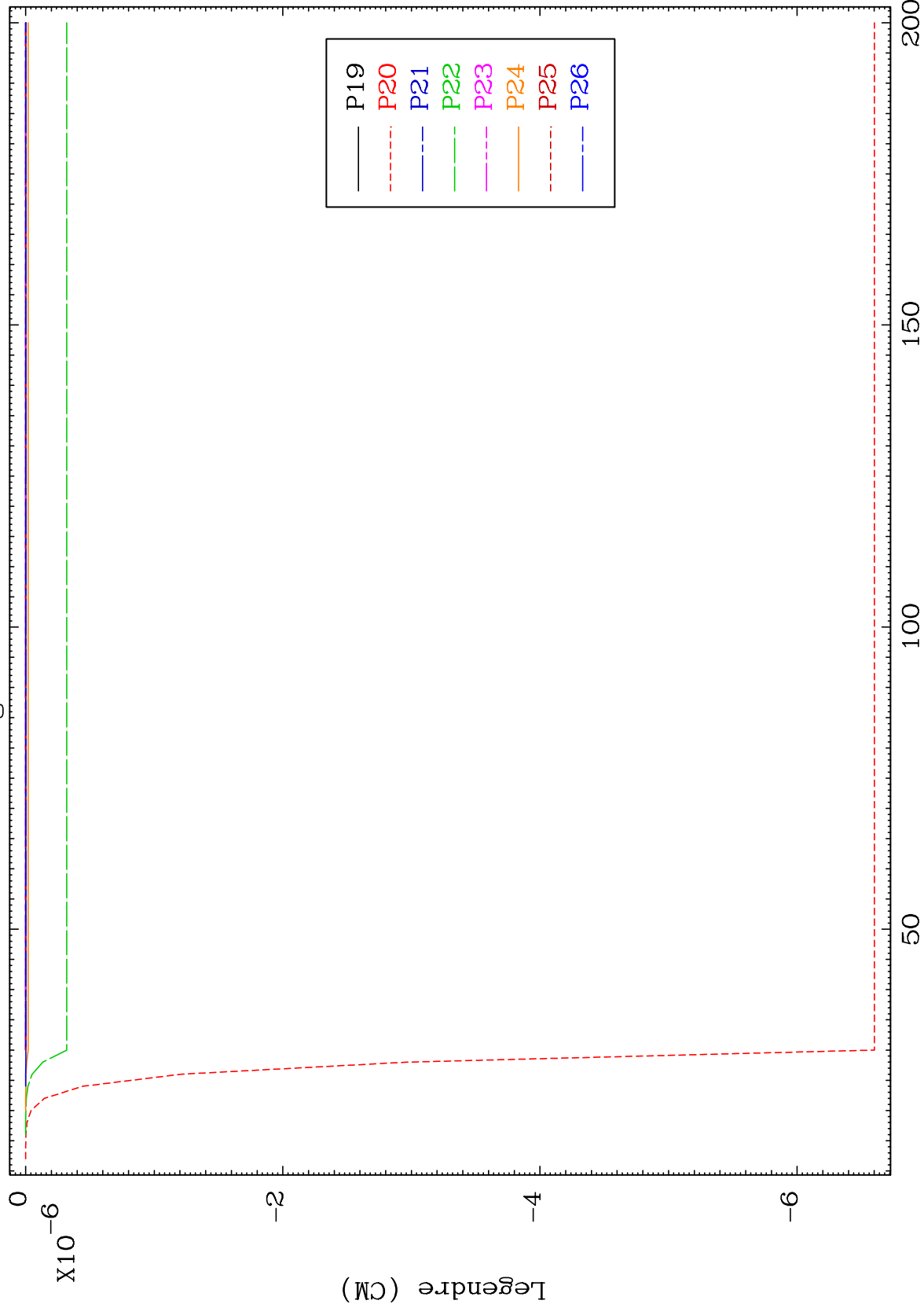
Incident Energy (MeV)

30

MAT 5434

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

54-Xe-127



31

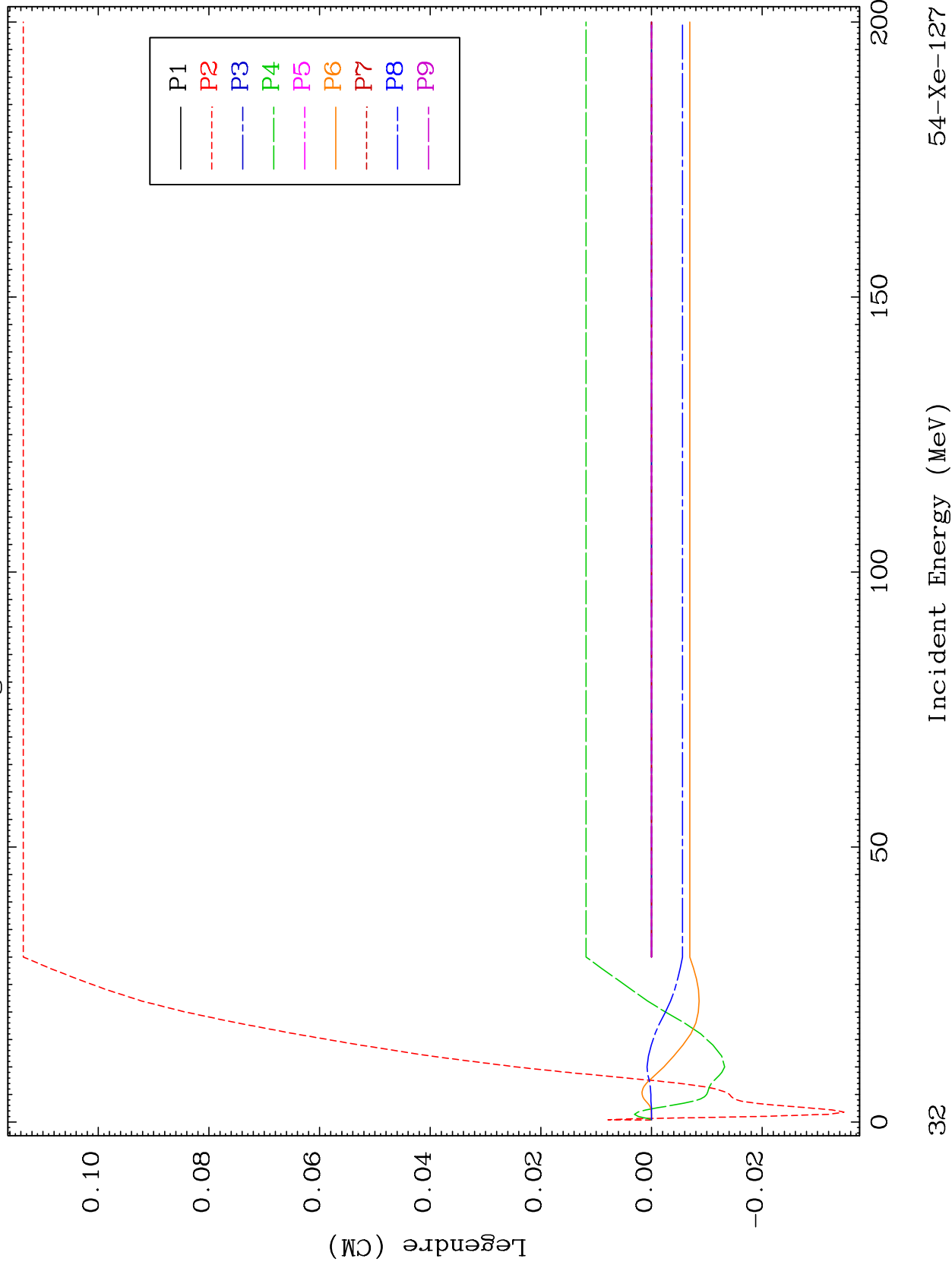
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



54-Xe-127

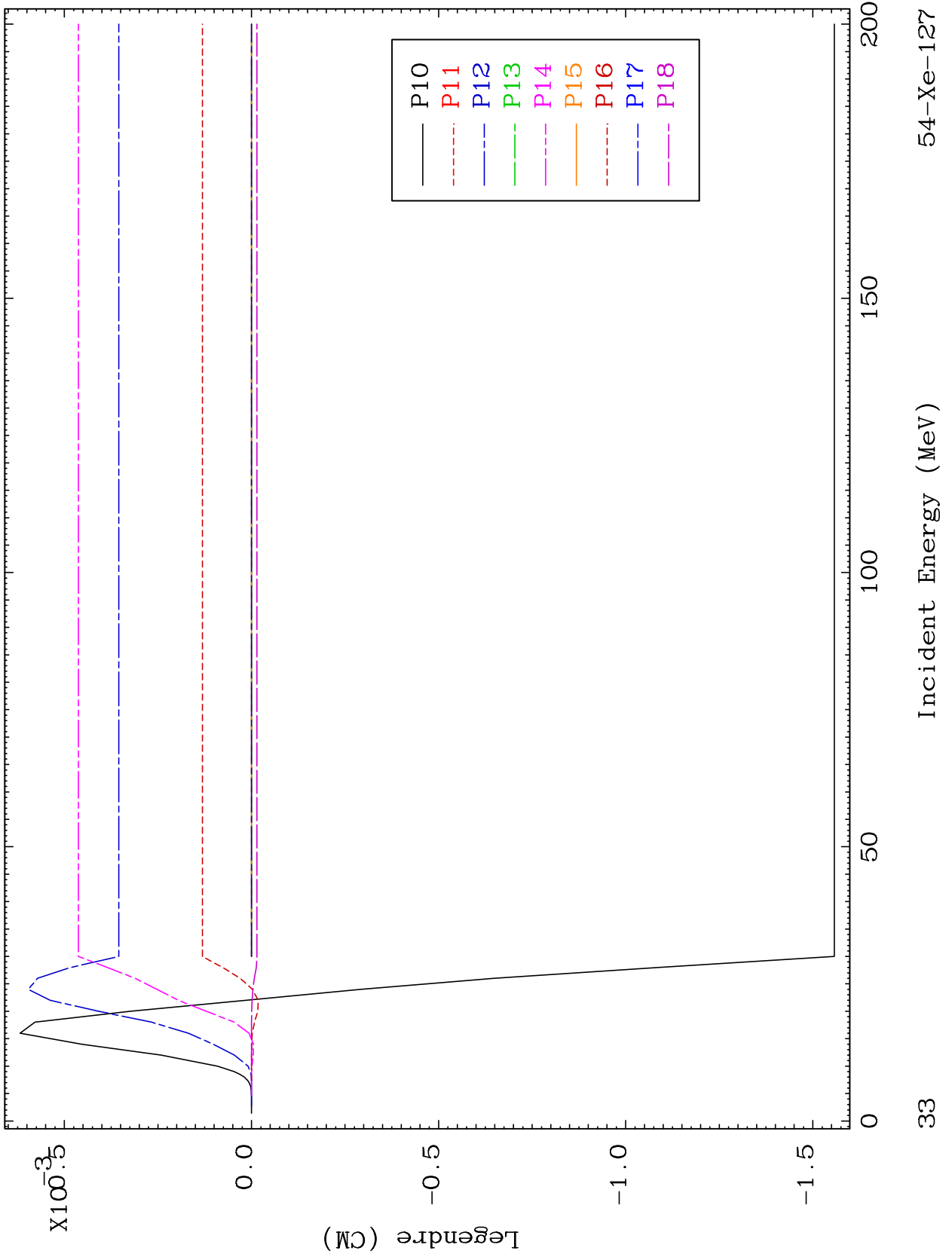
Incident Energy (MeV)

32

MAT 5434

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

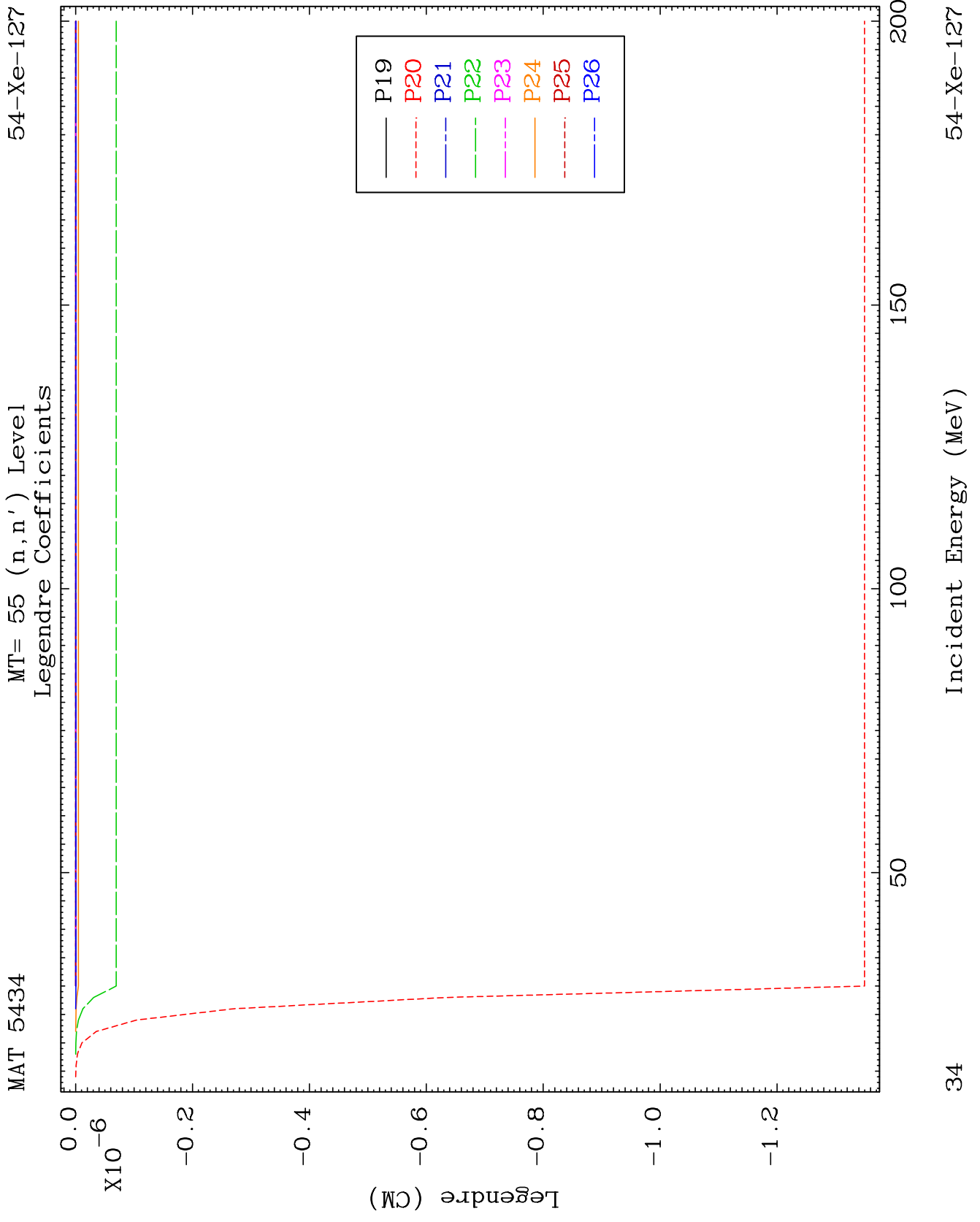
54-Xe-127



33

Incident Energy (MeV)

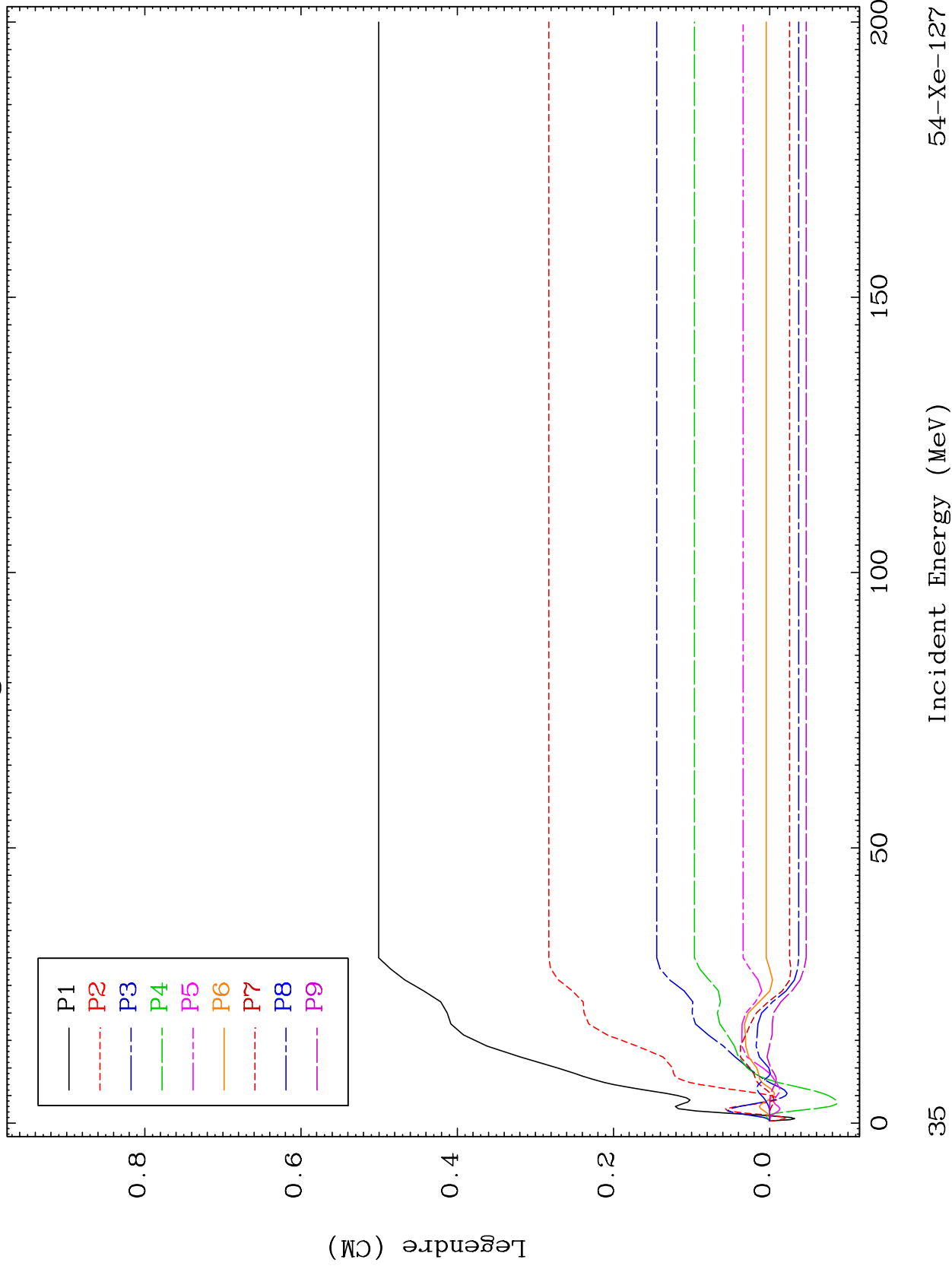
54-Xe-127



MAT 5434

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

54-Xe-127



54-Xe-127

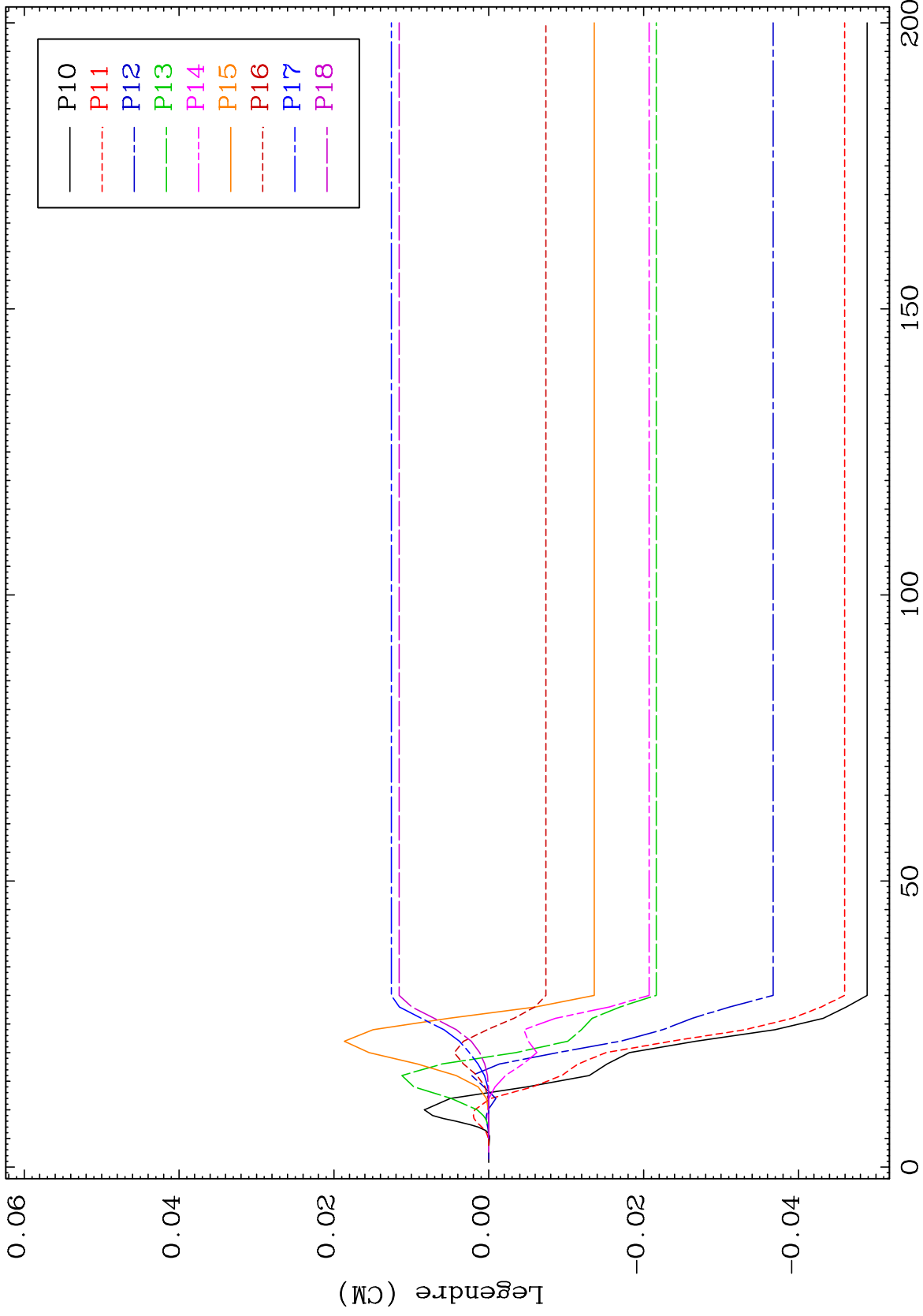
Incident Energy (MeV)

35

MAT 5434

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

54-Xe-127



36

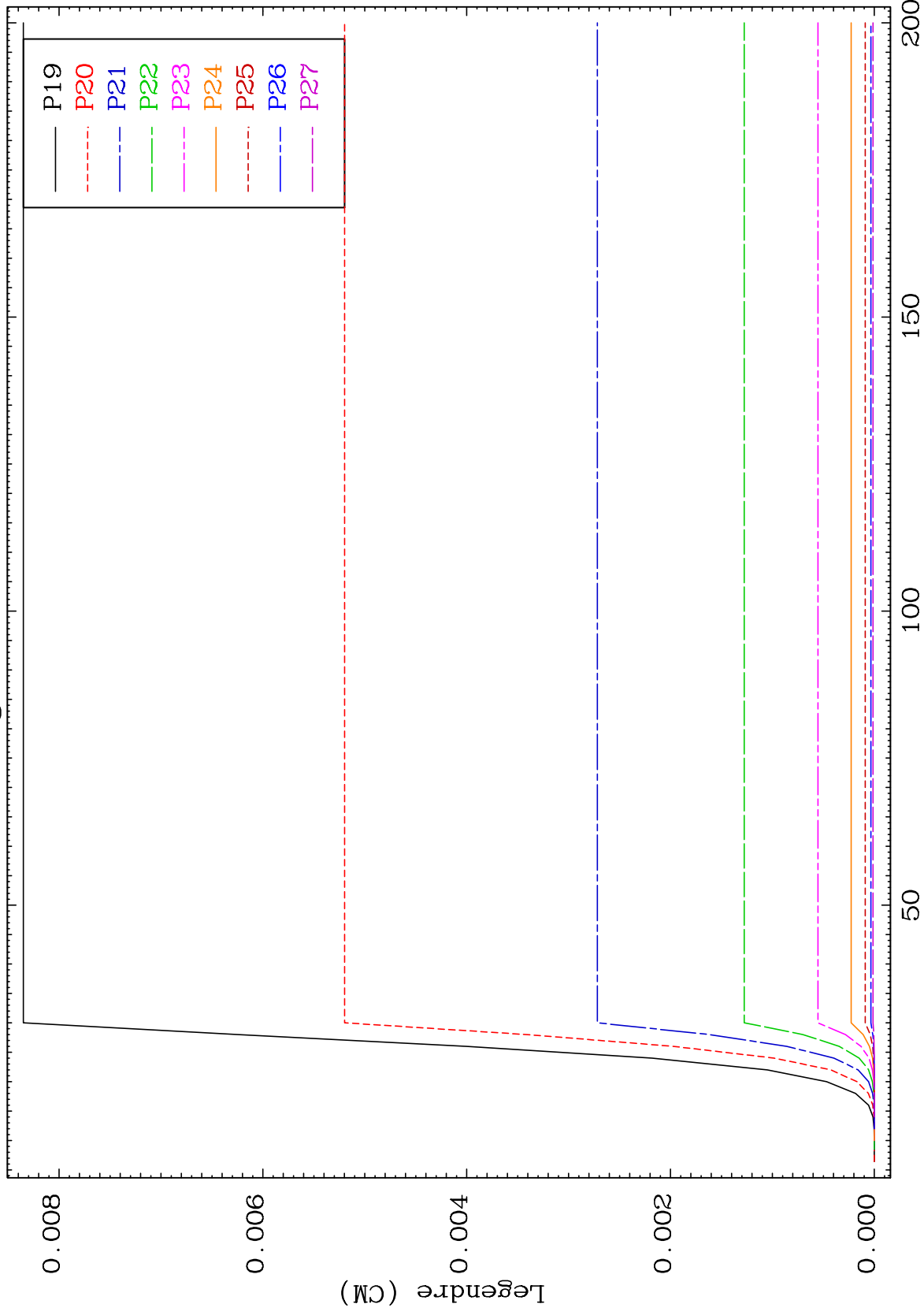
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



37

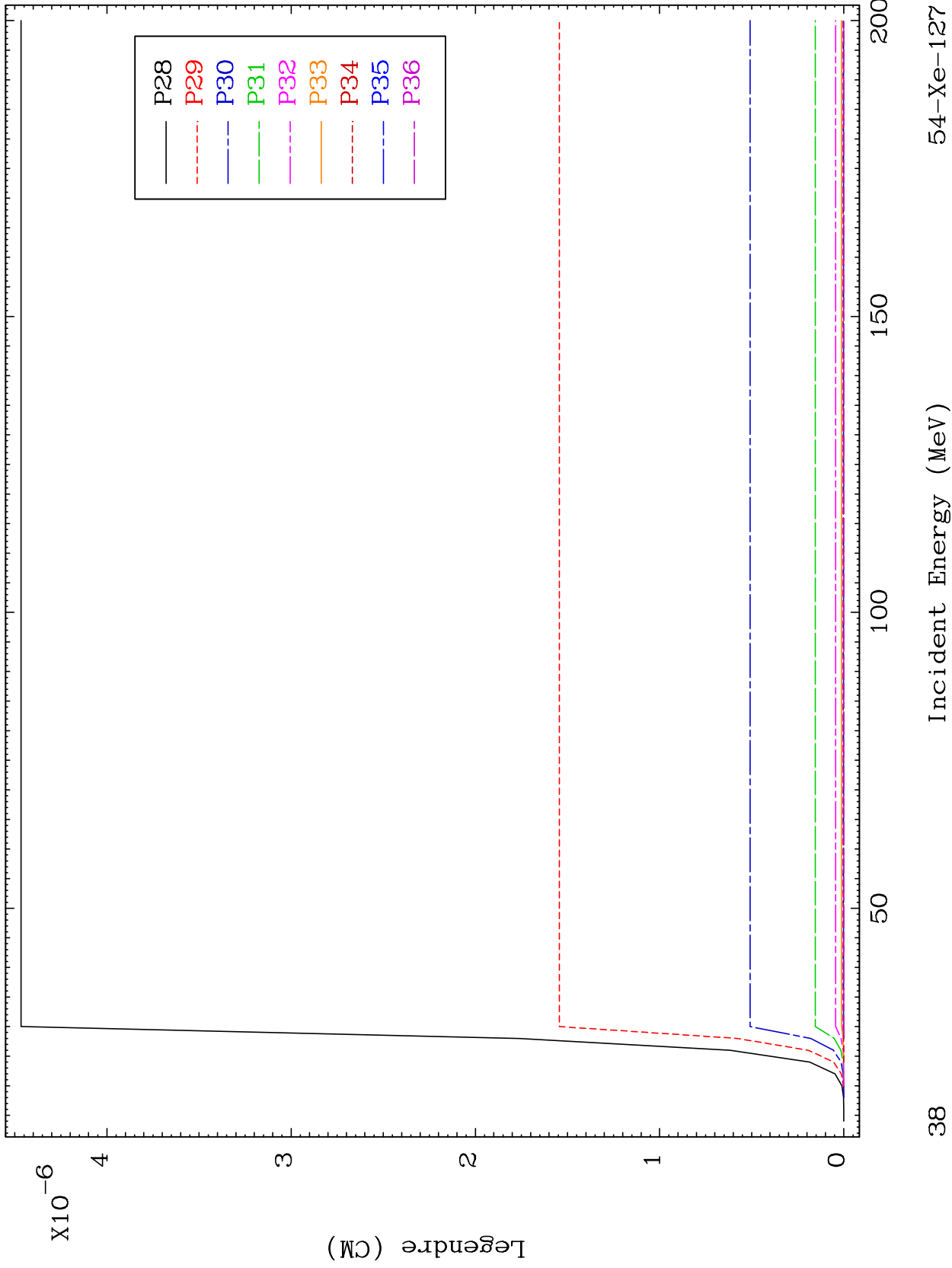
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



38

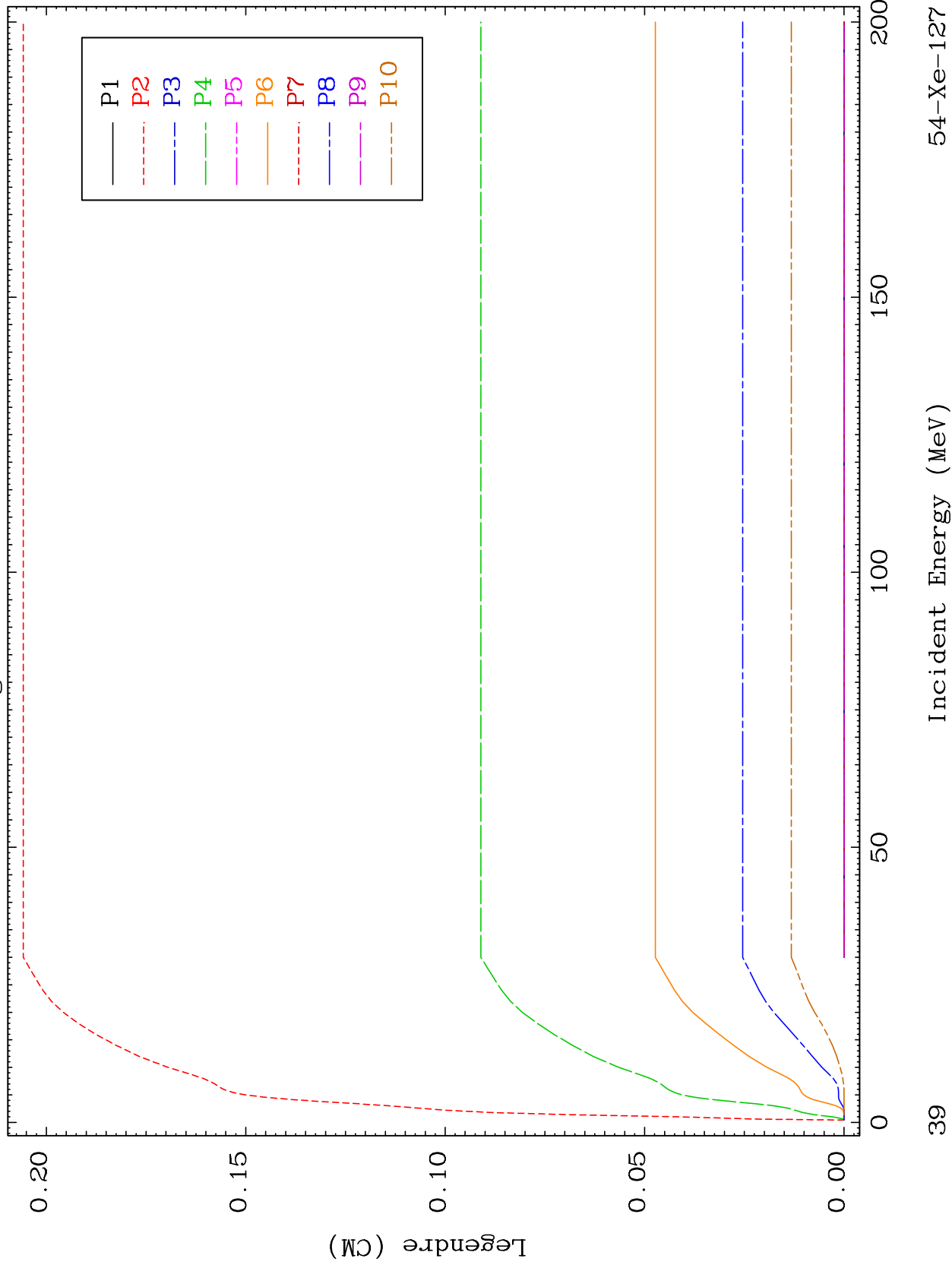
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



54-Xe-127

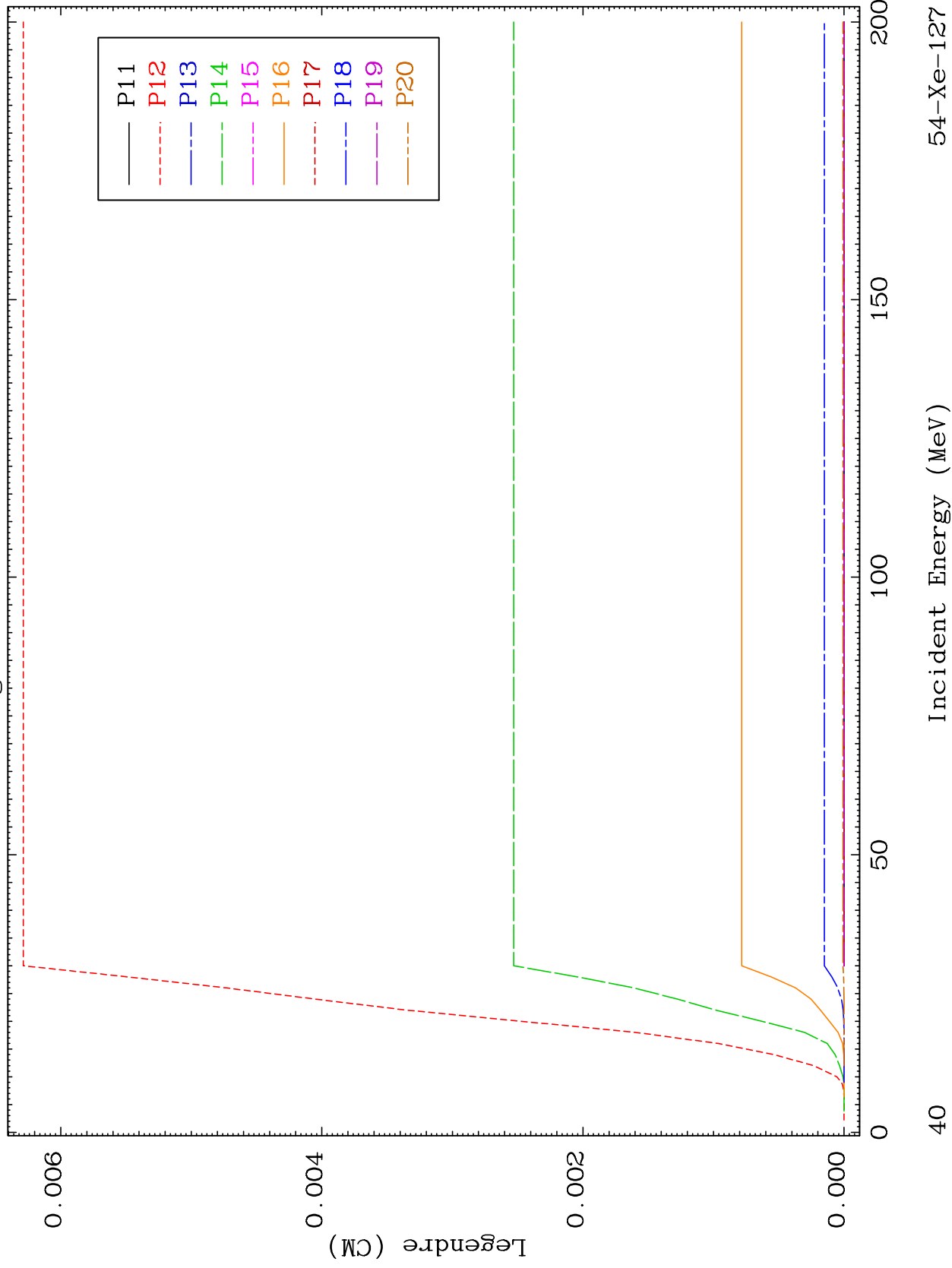
Incident Energy (MeV)

39

MAT 5434

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

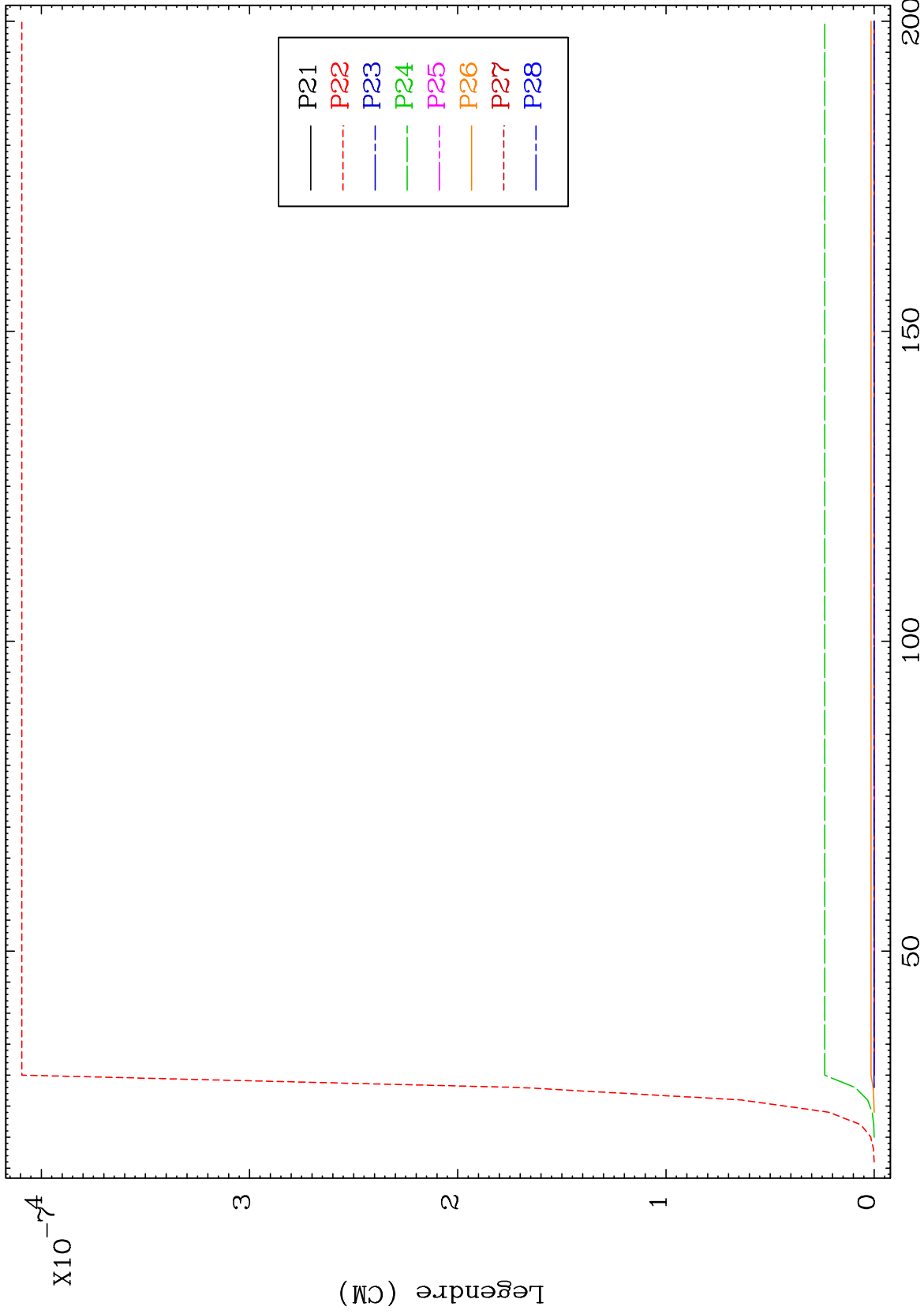
54-Xe-127



MAT 5434

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

54-Xe-127



41

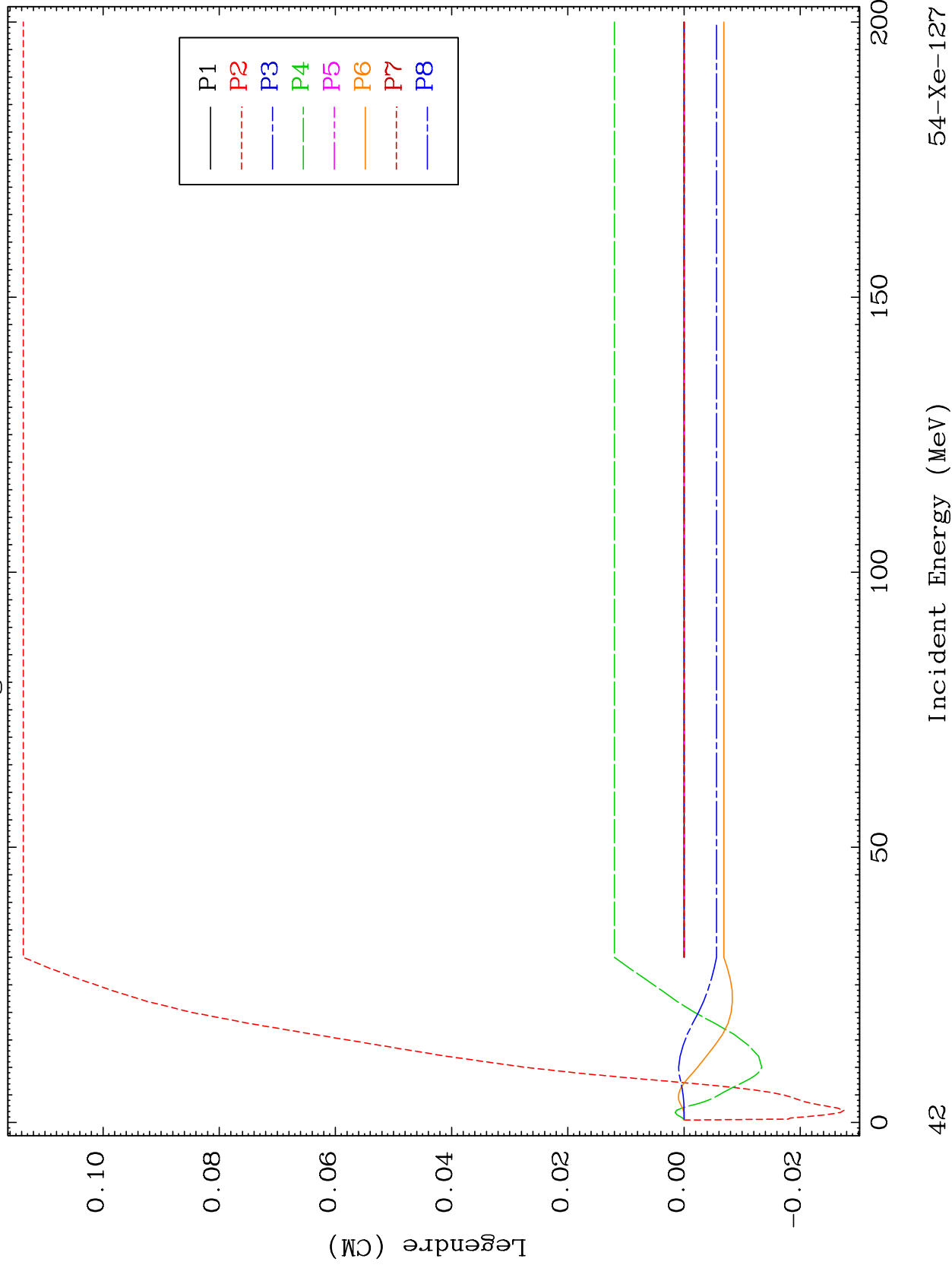
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



54-Xe-127

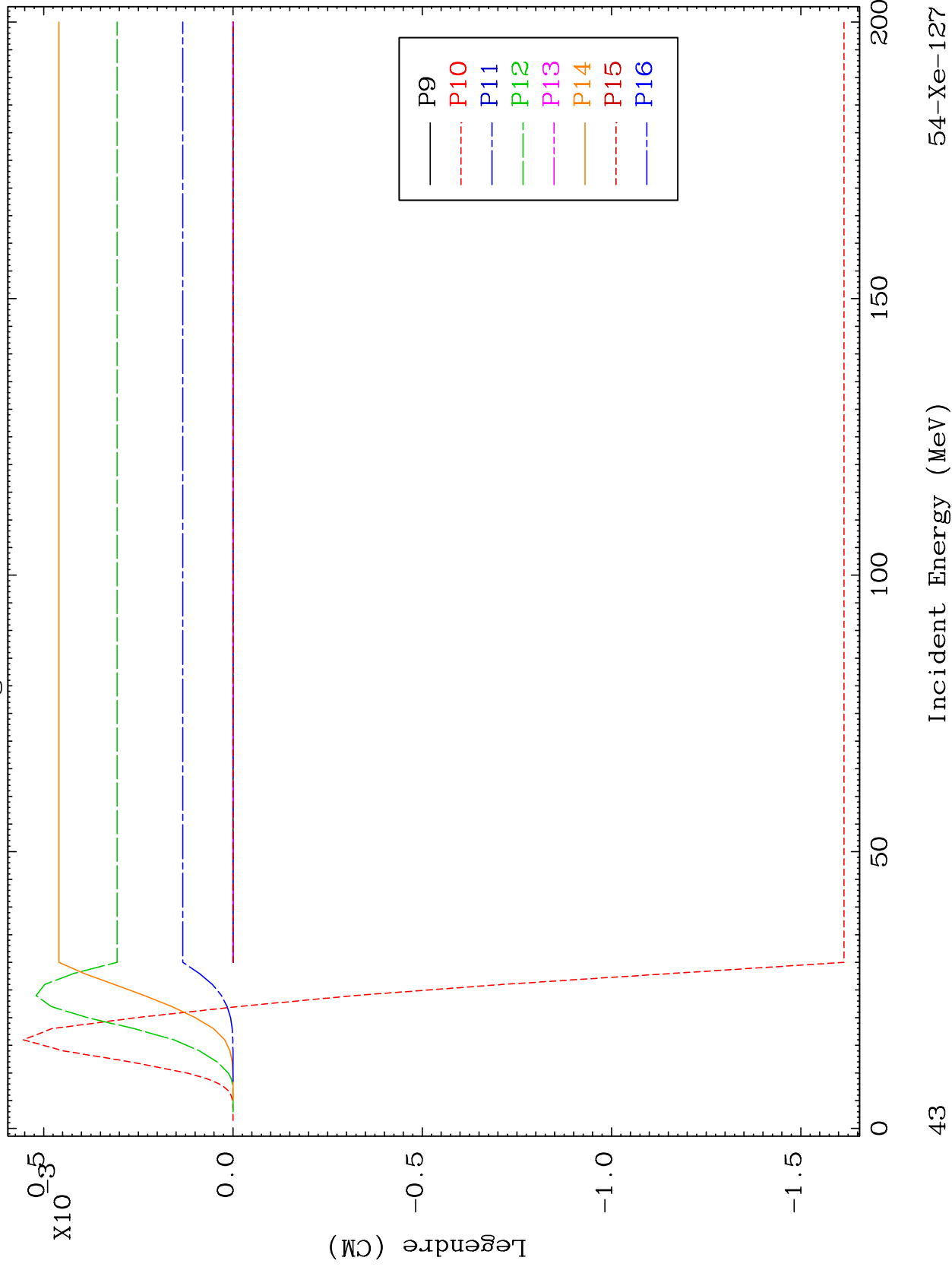
Incident Energy (MeV)

42

MAT 5434

54-Xe-127

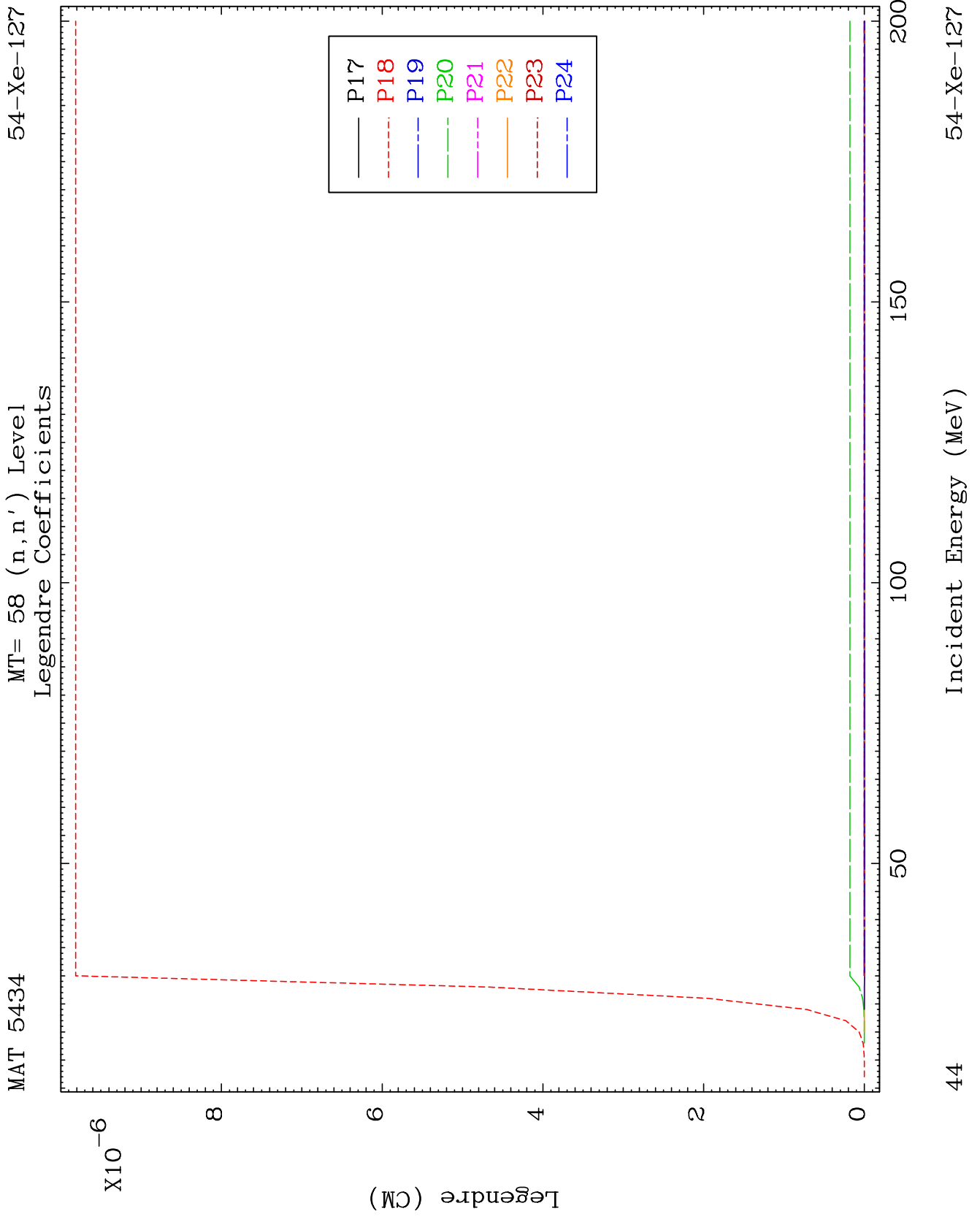
MT= 58 (n,n') Level
Legendre Coefficients



54-Xe-127

Incident Energy (MeV)

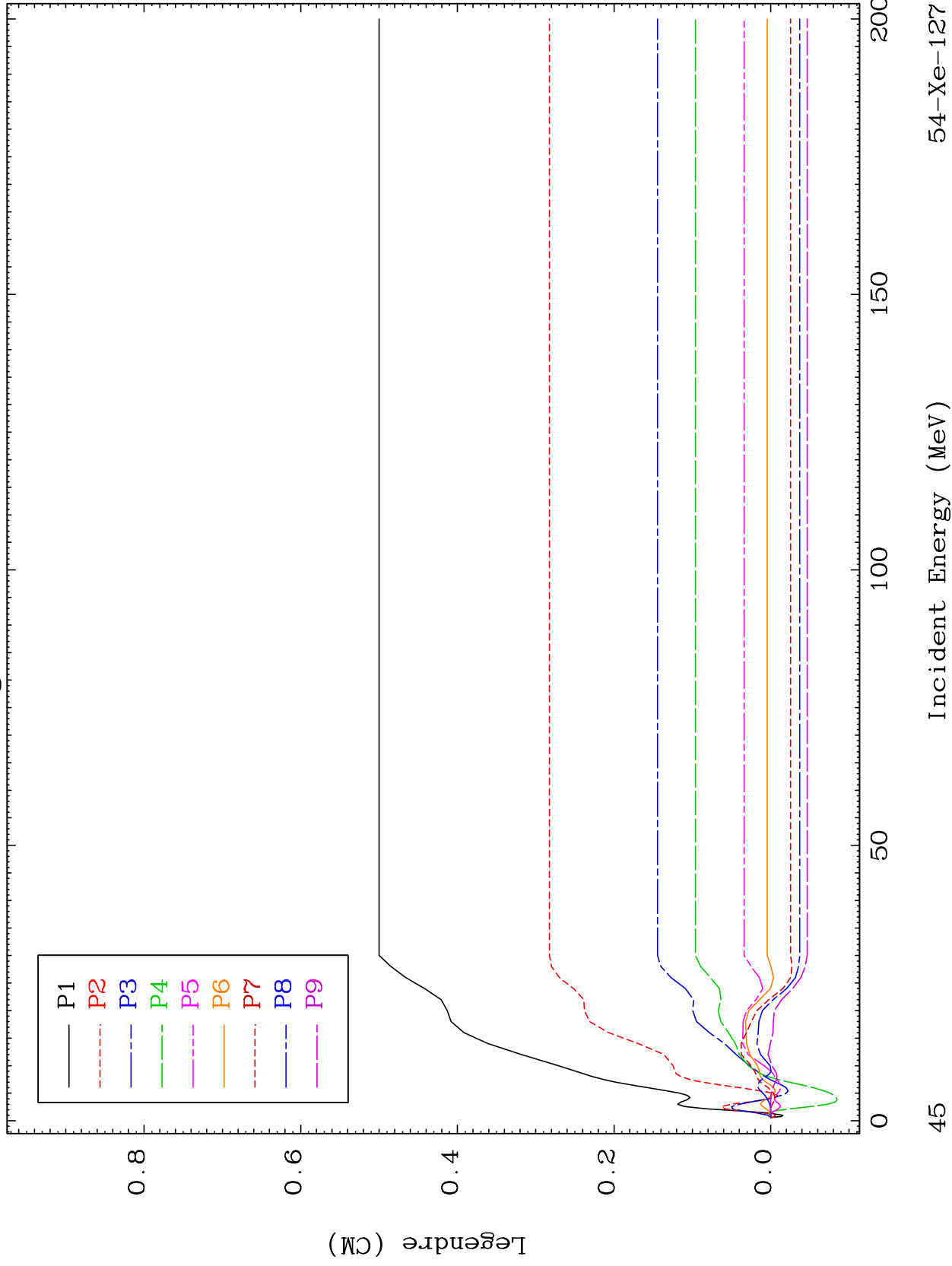
43



MAT 5434

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

54-Xe-127



54-Xe-127

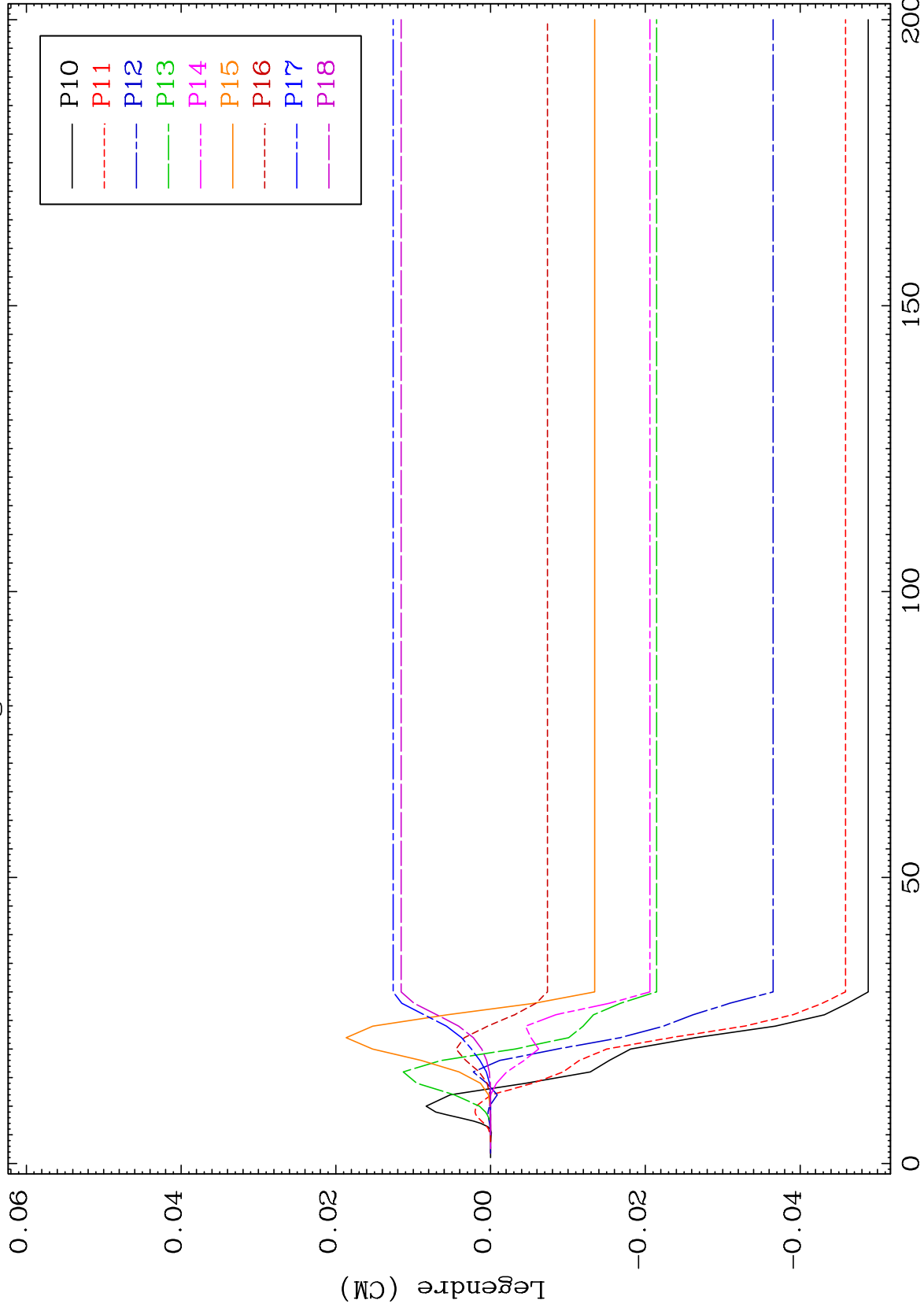
Incident Energy (MeV)

45

MAT 5434

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

54-Xe-127



46

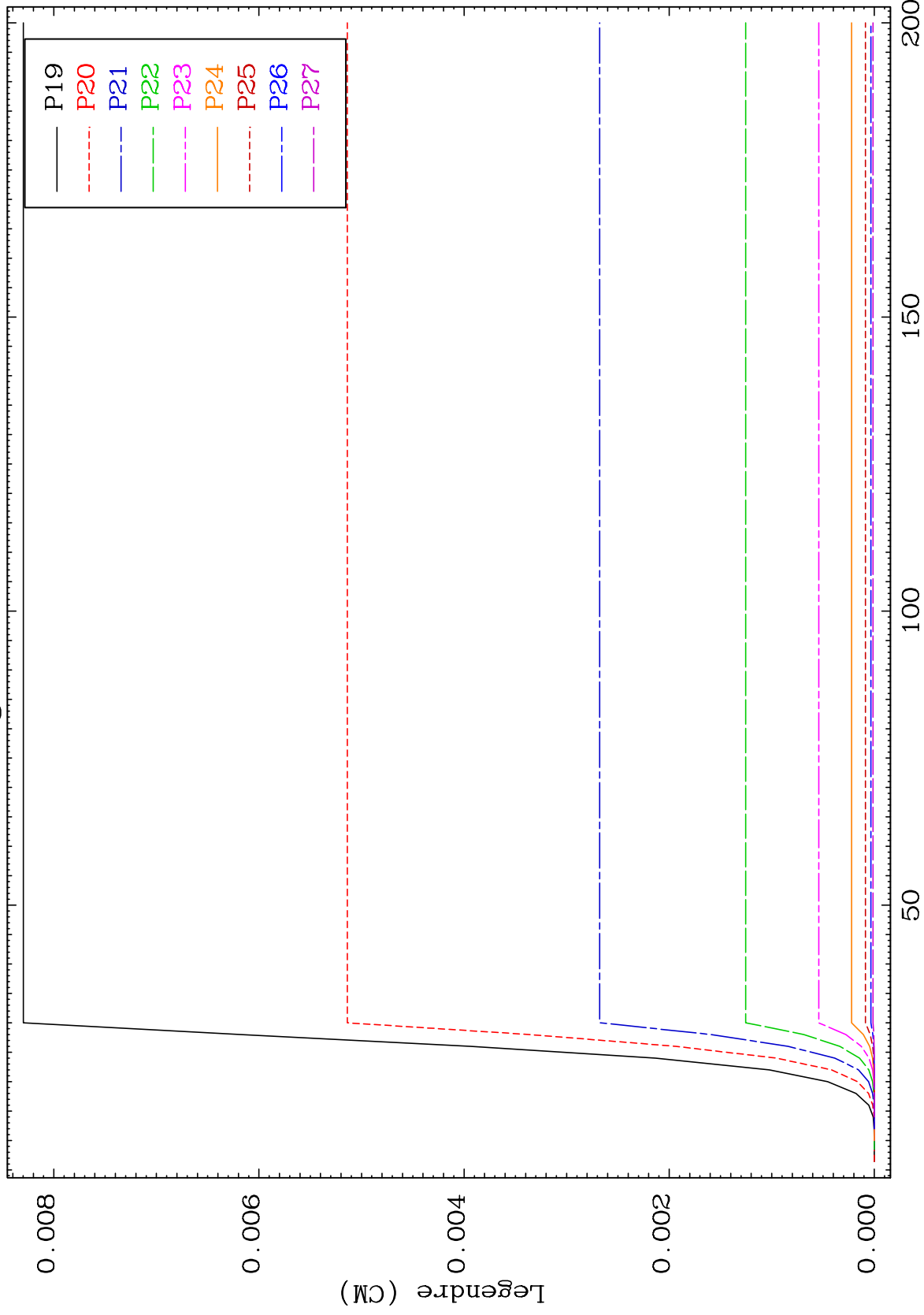
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



47

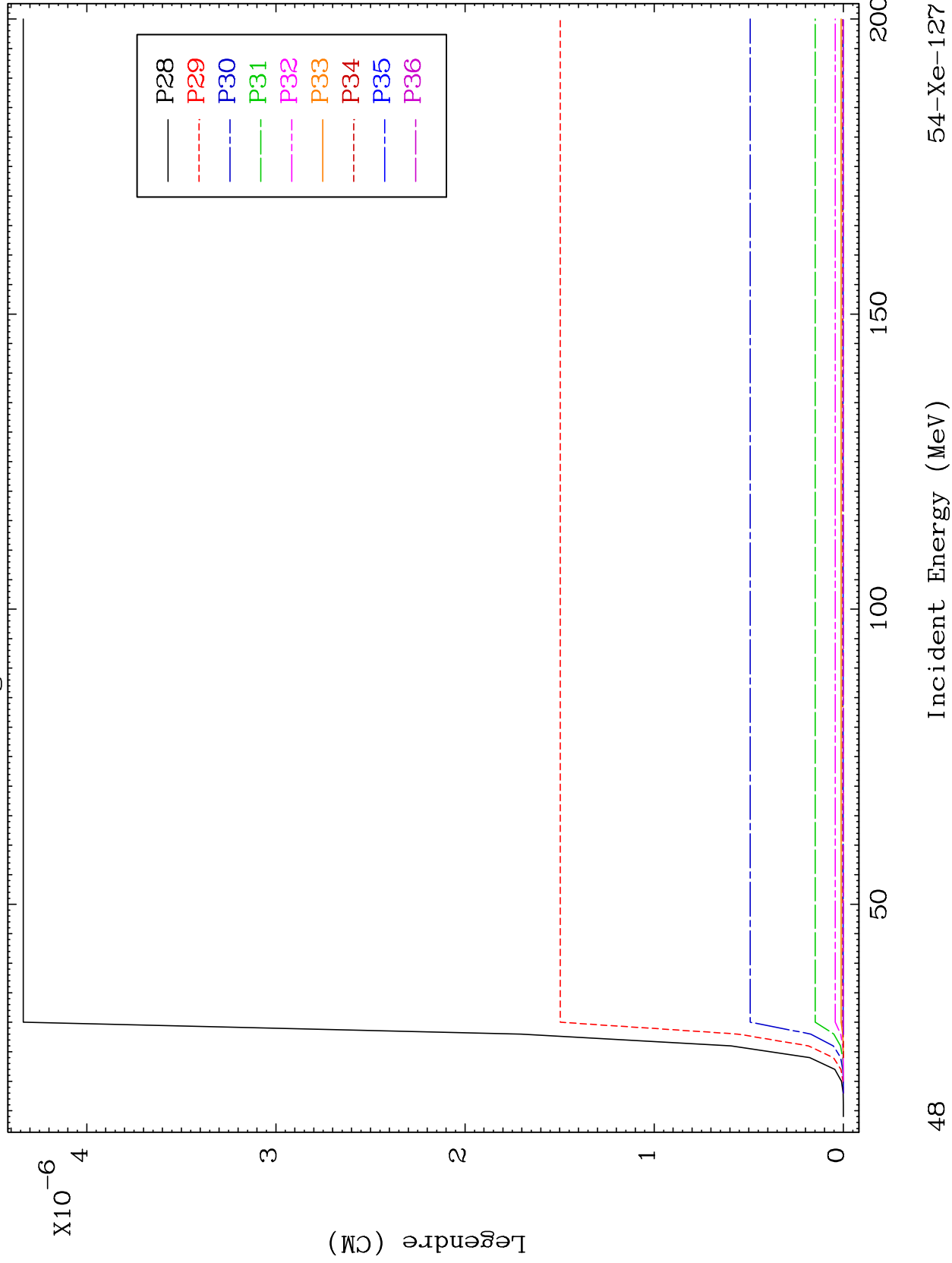
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



48

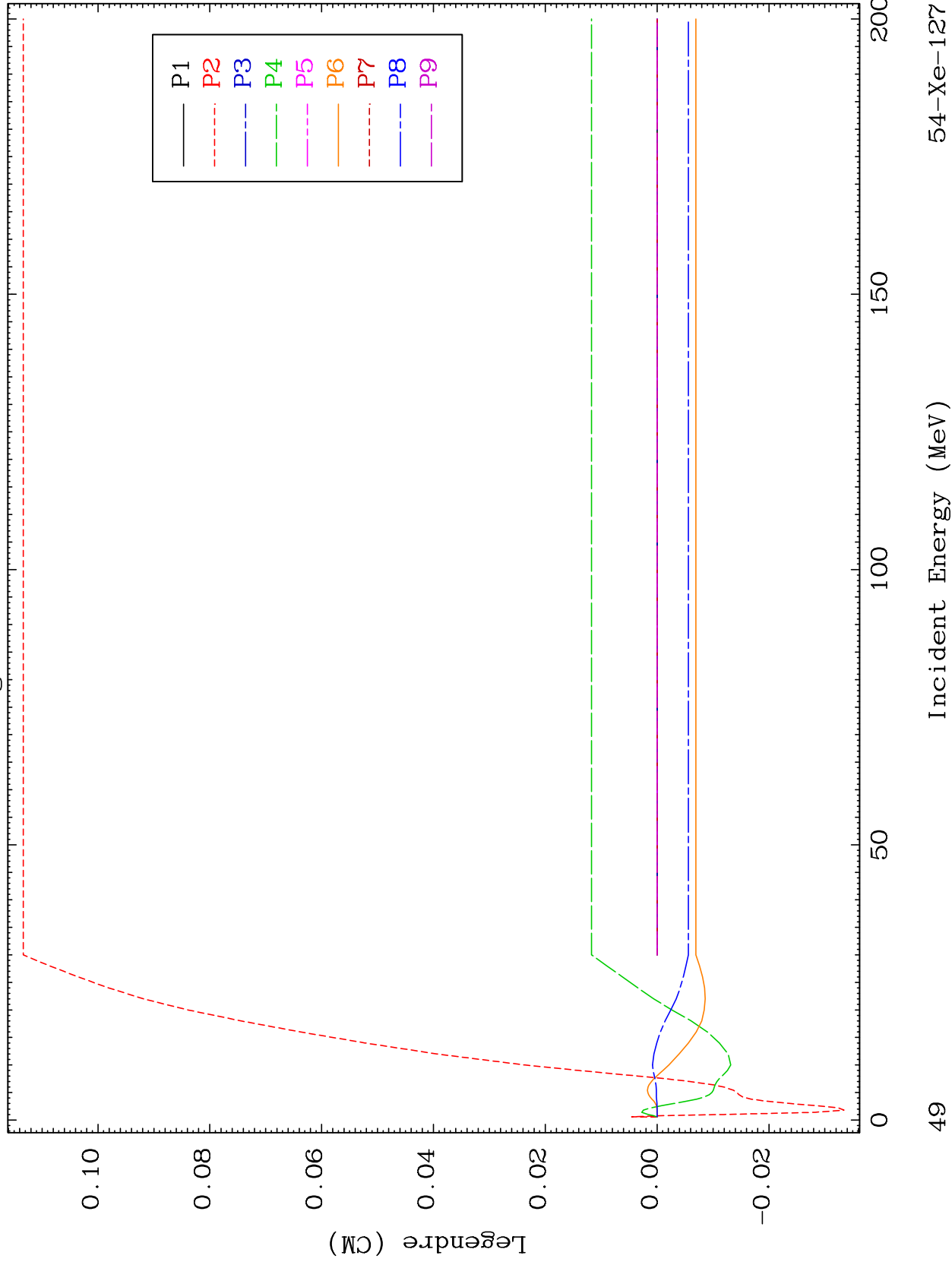
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



54-Xe-127

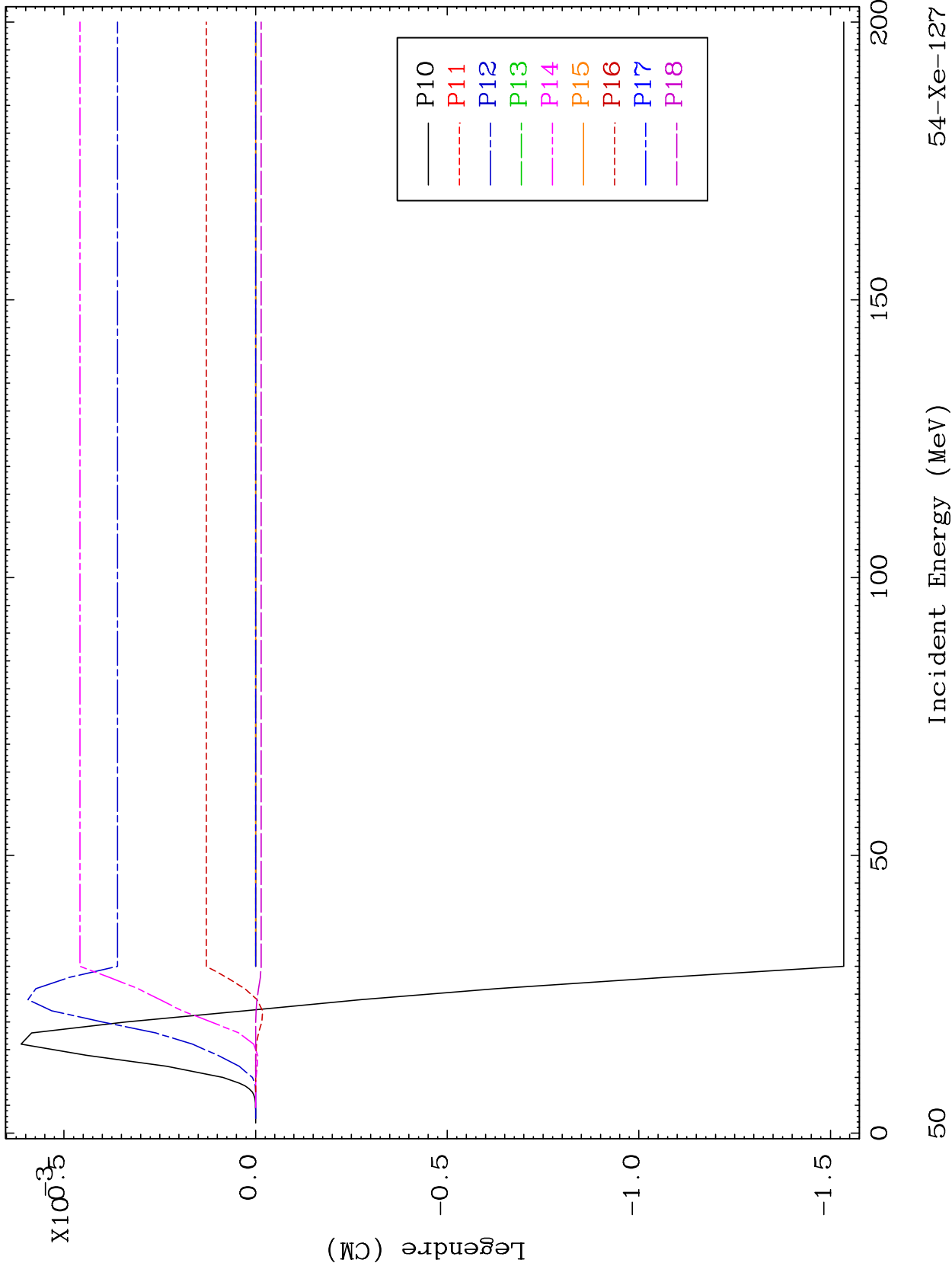
Incident Energy (MeV)

49

MAT 5434

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

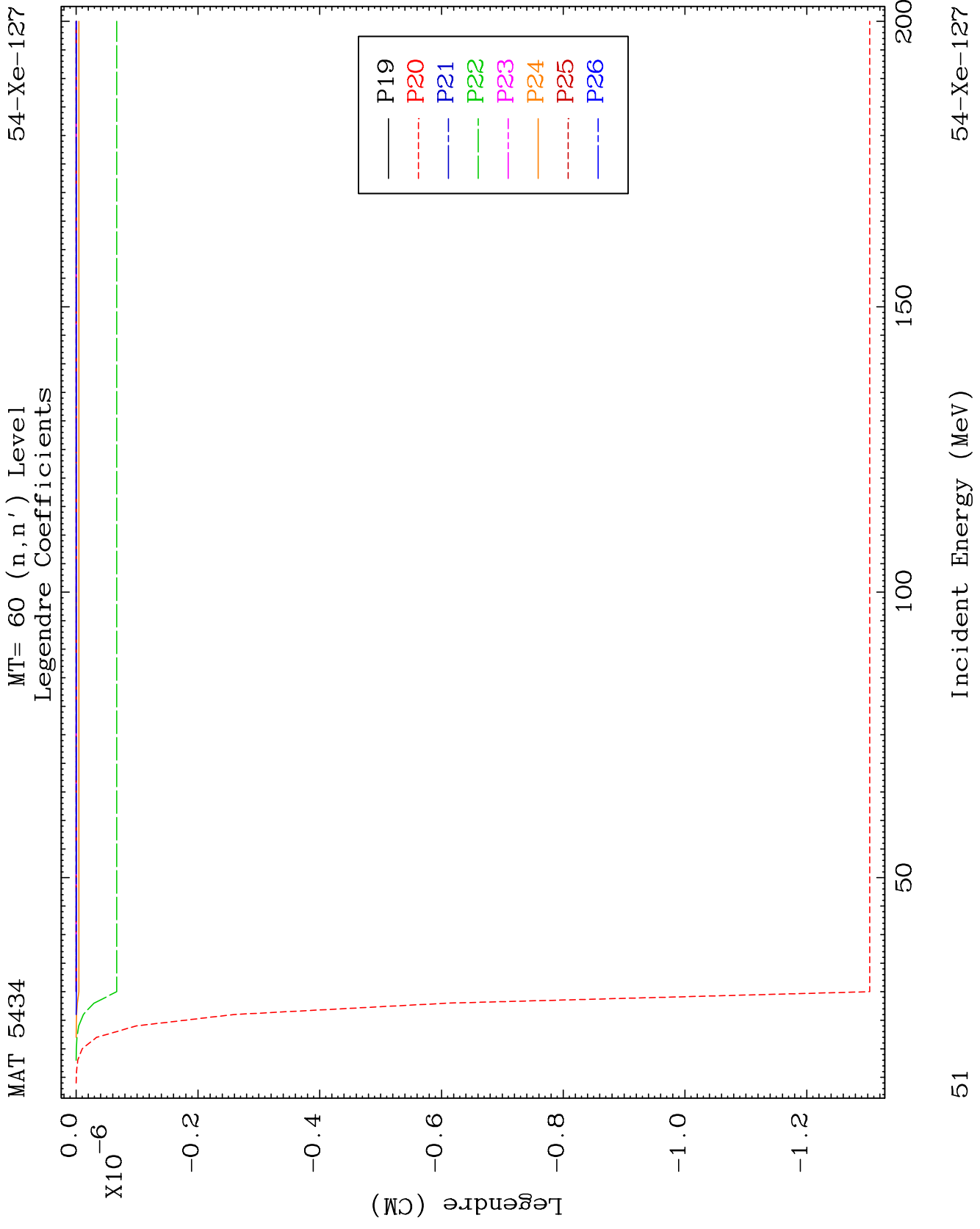
54-Xe-127



54-Xe-127

Incident Energy (MeV)

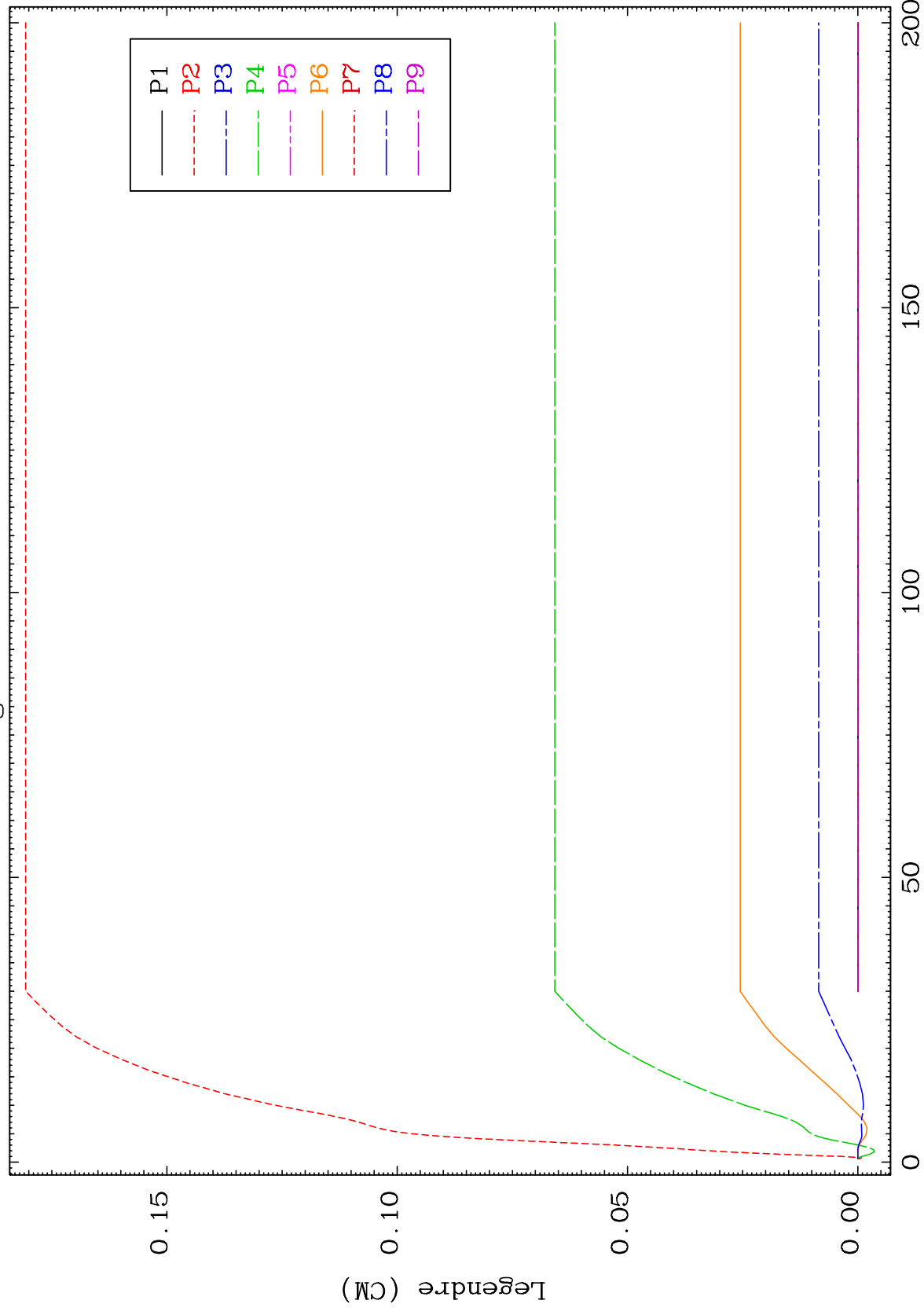
50



MAT 5434

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

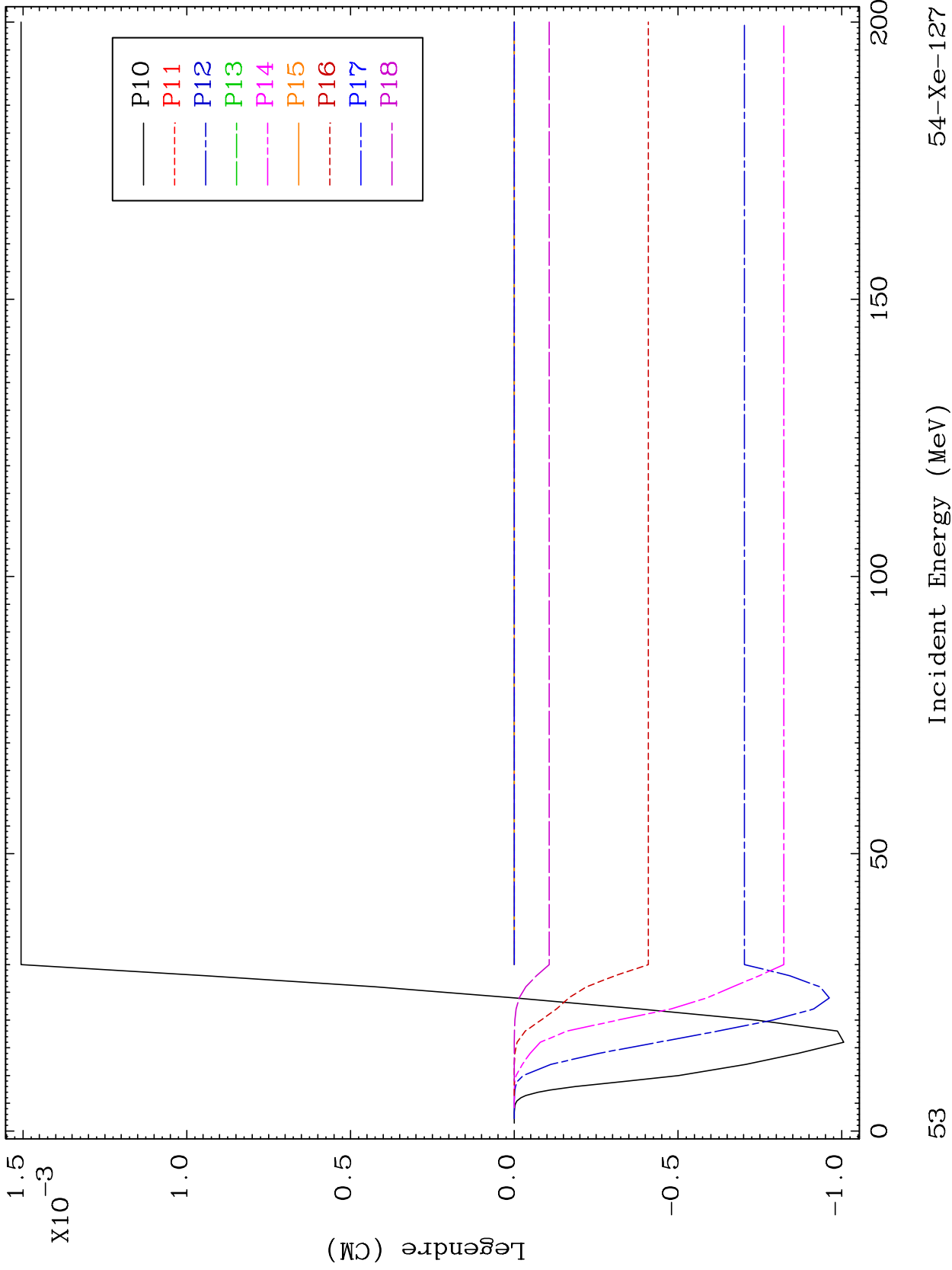
54-Xe-127



54-Xe-127

Incident Energy (MeV)

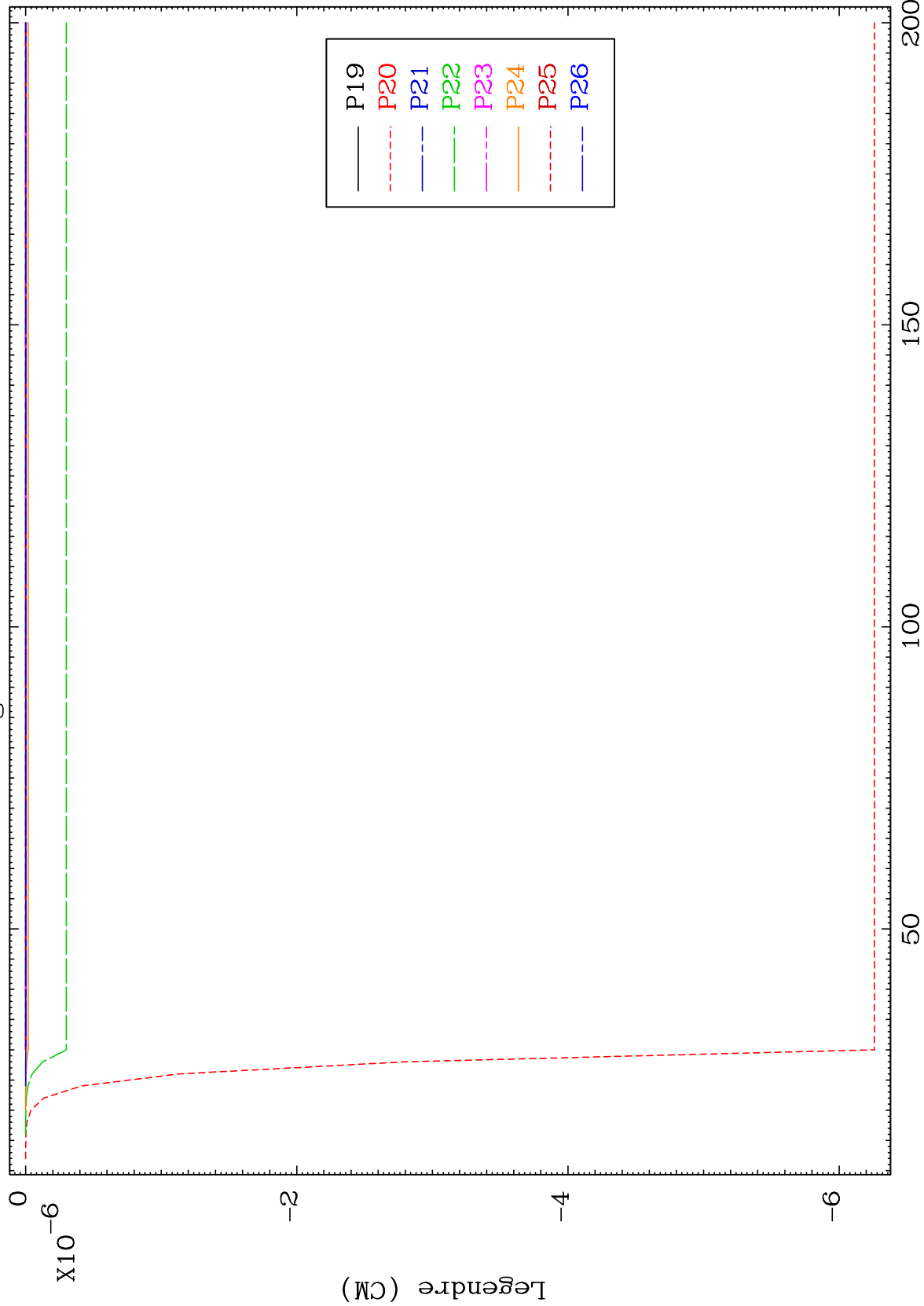
52



MAT 5434

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

54-Xe-127



54-Xe-127

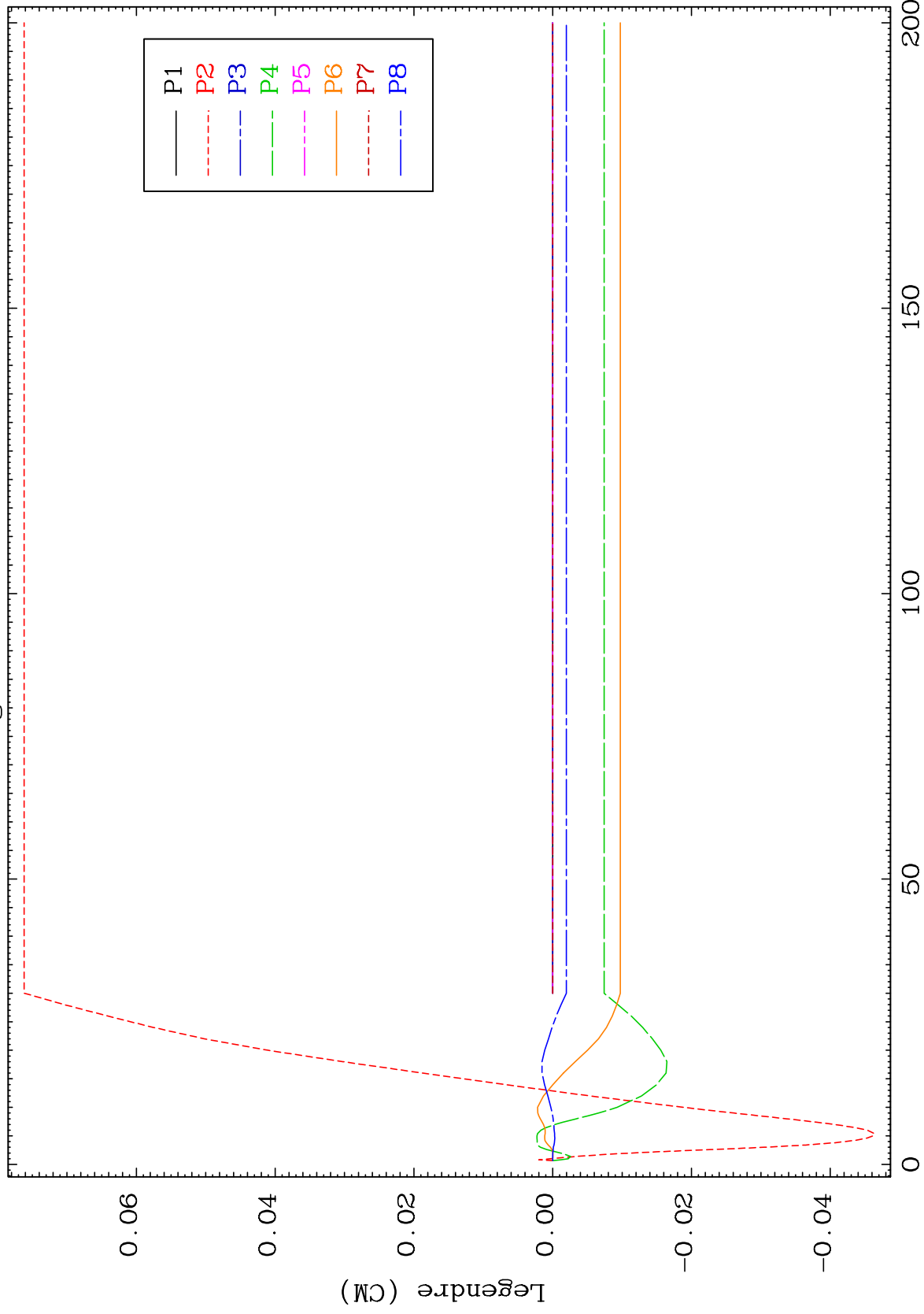
Incident Energy (MeV)

54

MAT 5434

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

54-Xe-127



54-Xe-127

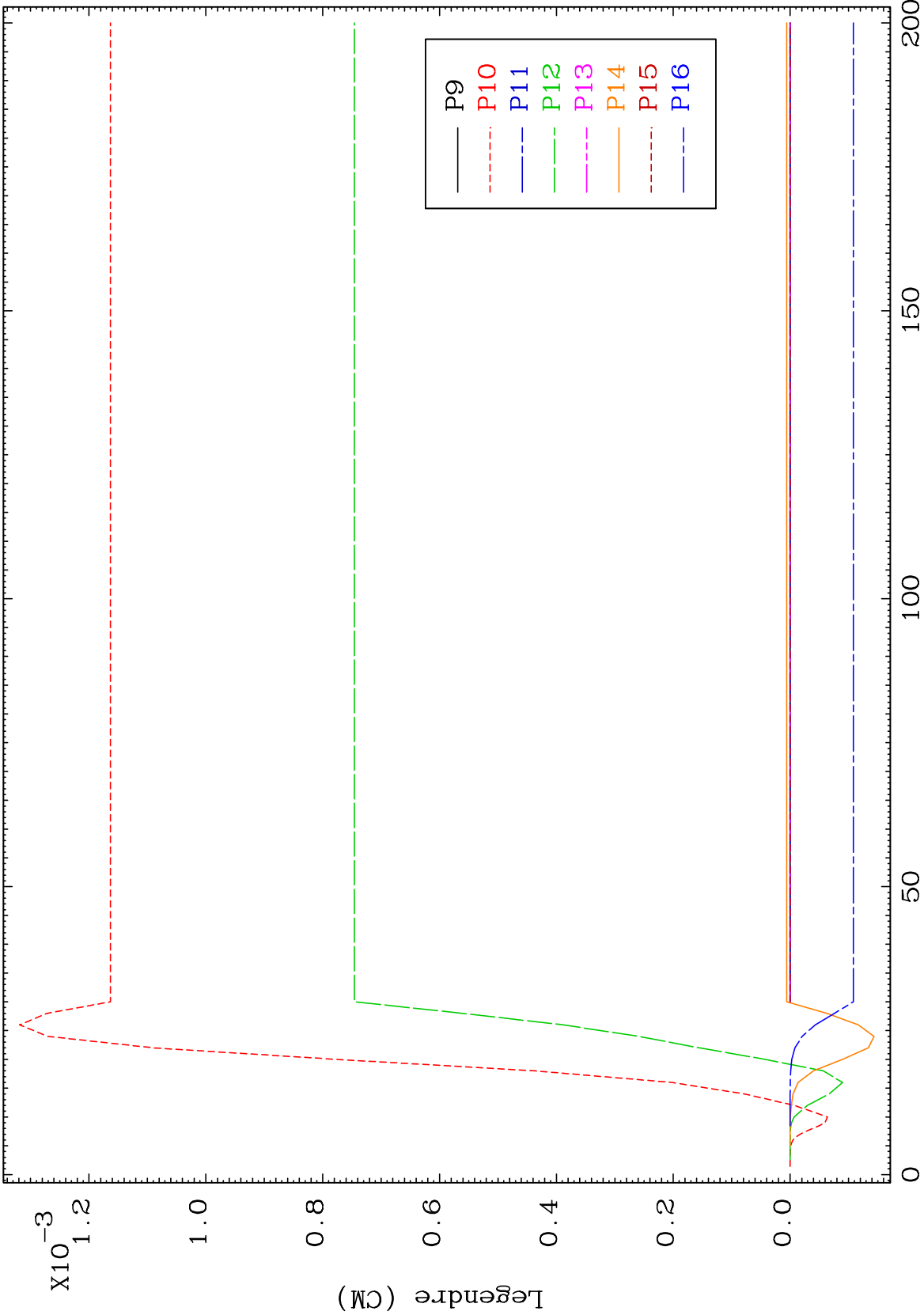
Incident Energy (MeV)

55

MAT 5434

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

54-Xe-127



56

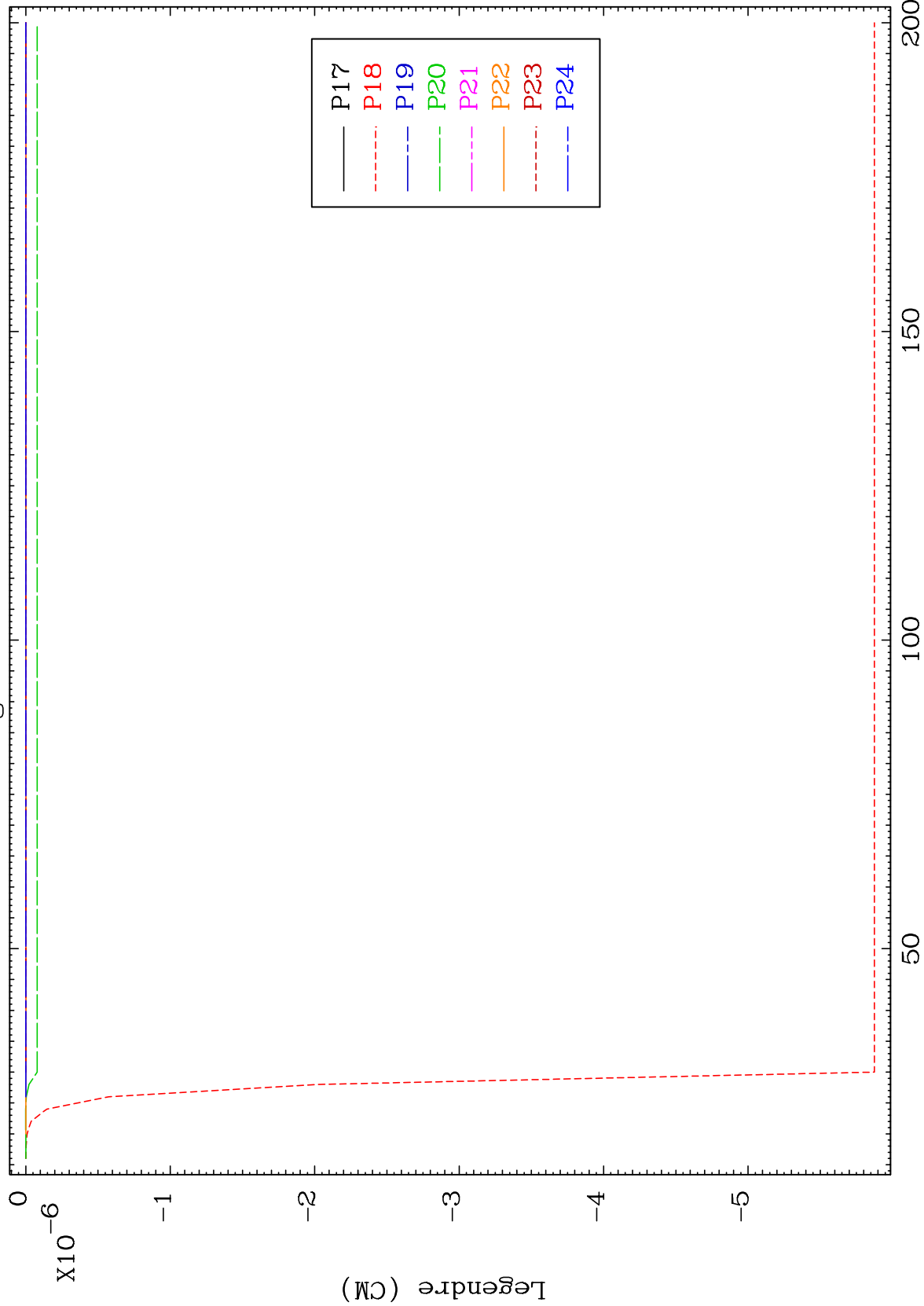
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



54-Xe-127

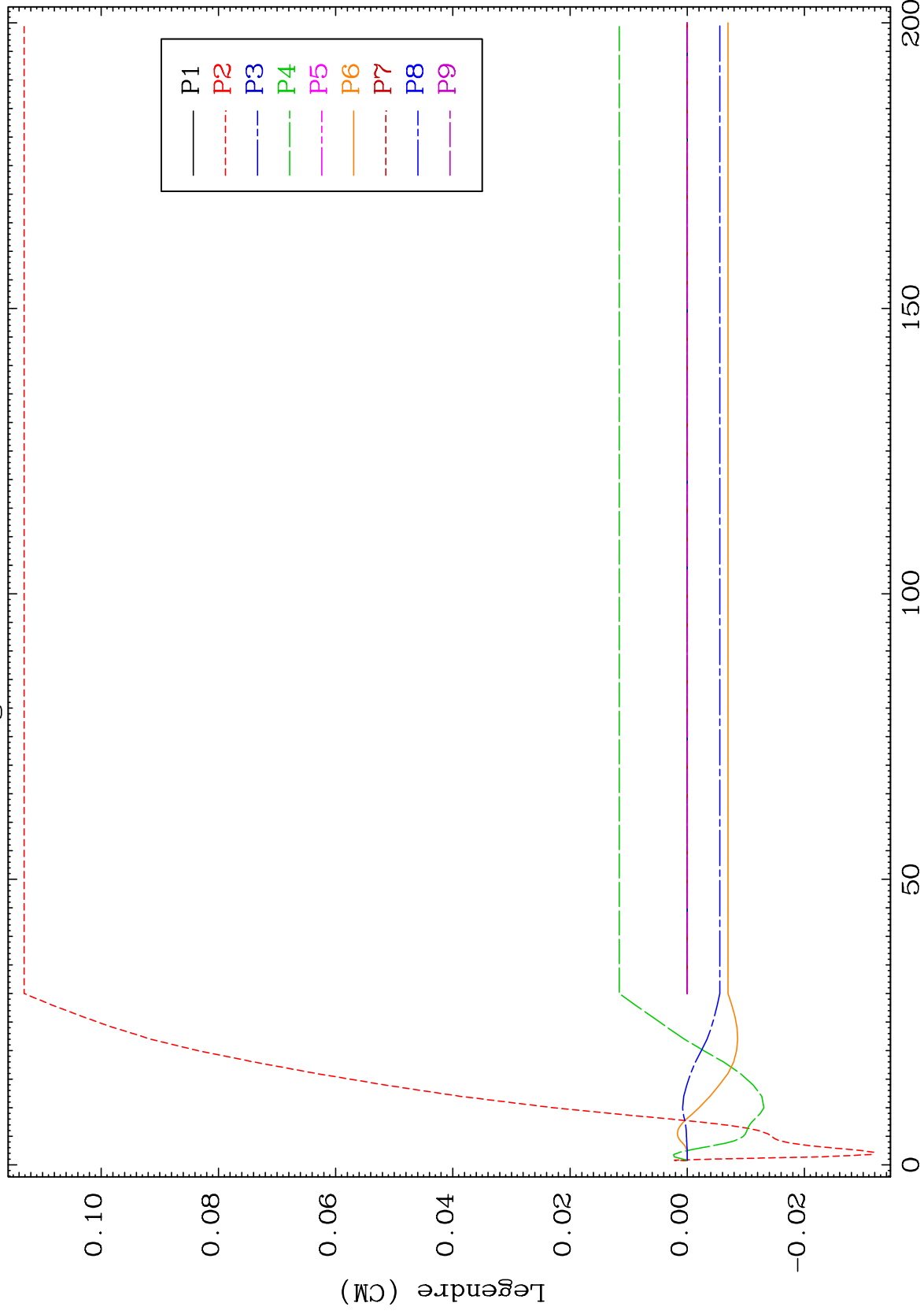
Incident Energy (MeV)

57

MAT 5434

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

54-Xe-127



54-Xe-127

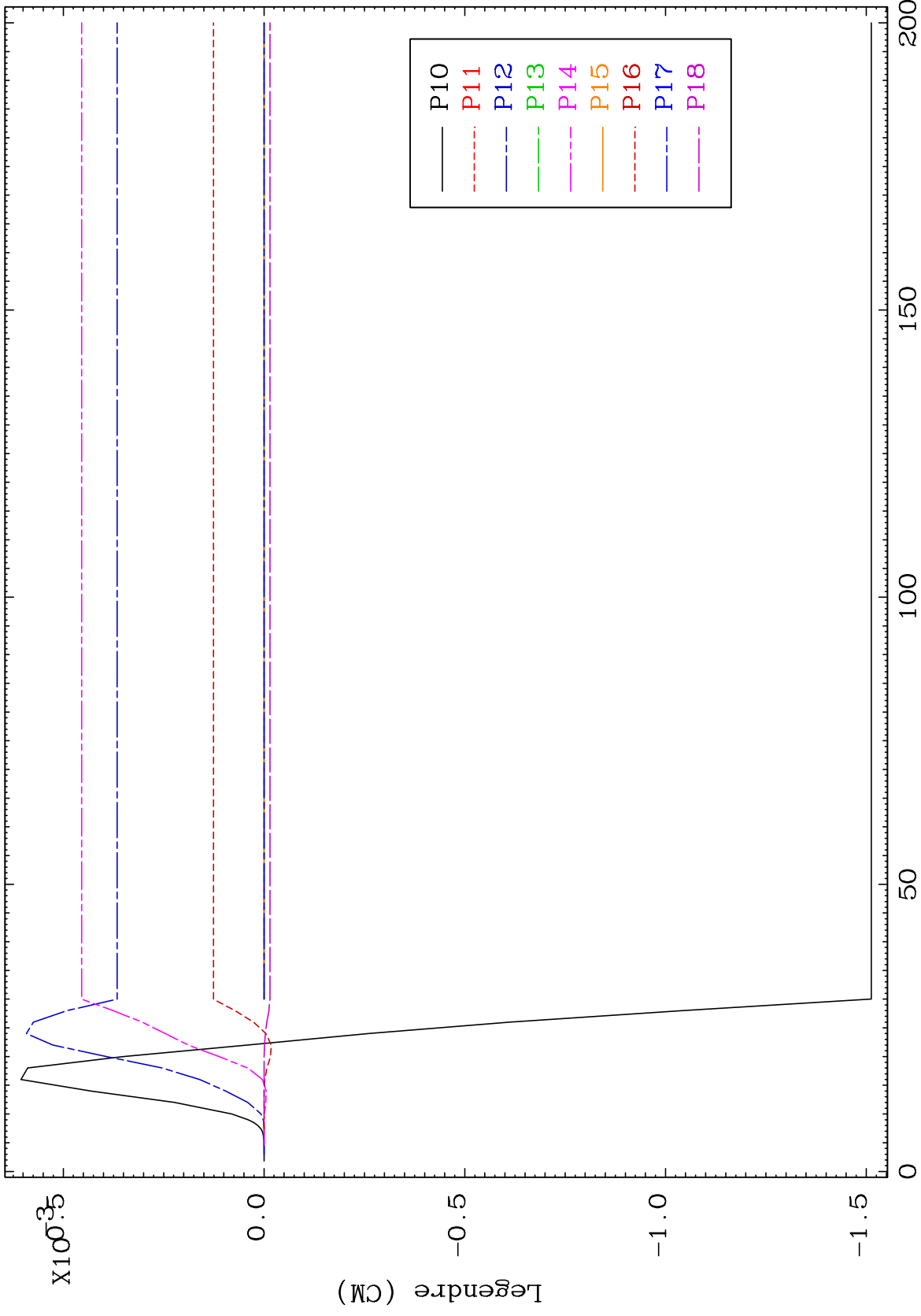
Incident Energy (MeV)

58

MAT 5434

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

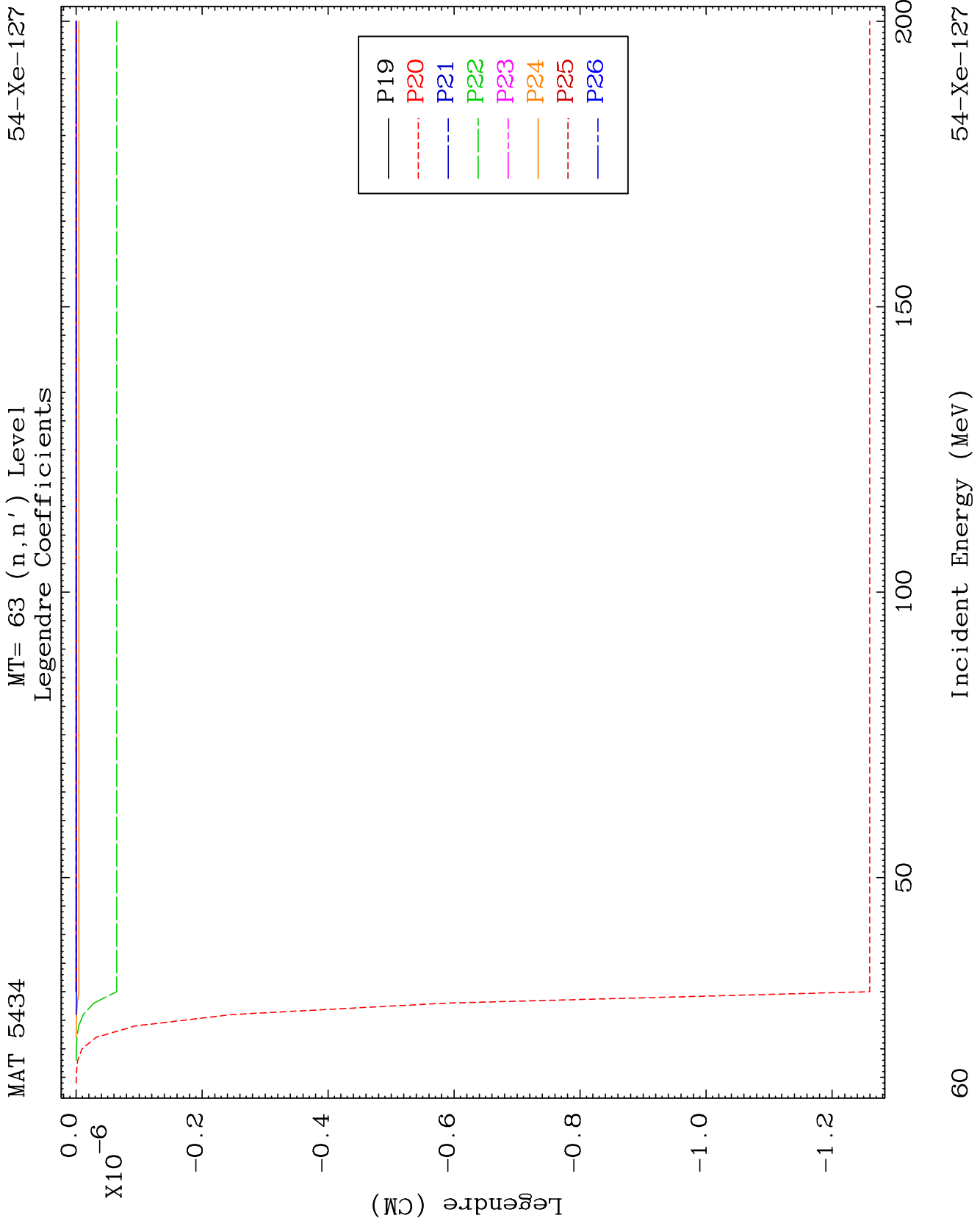
54-Xe-127

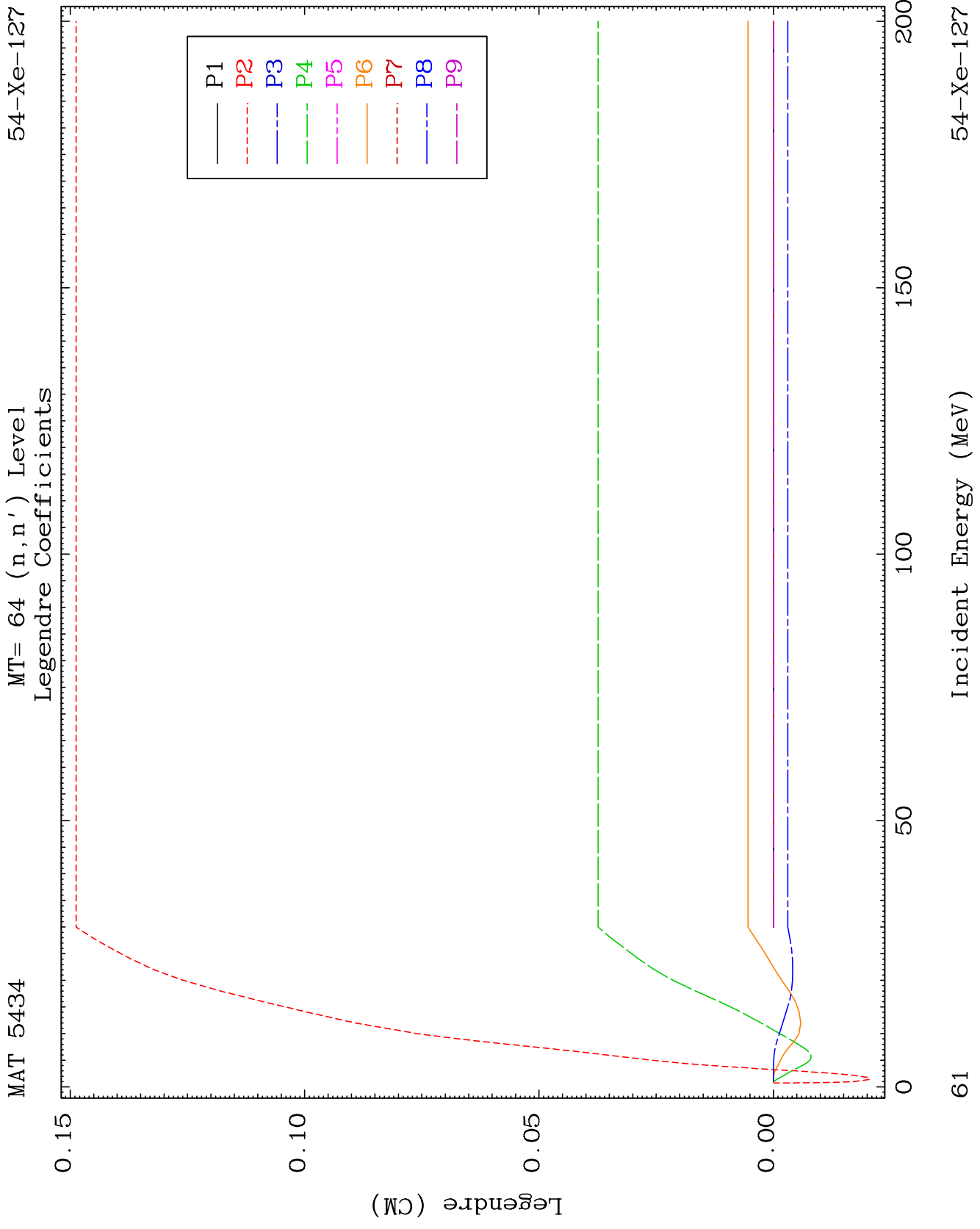


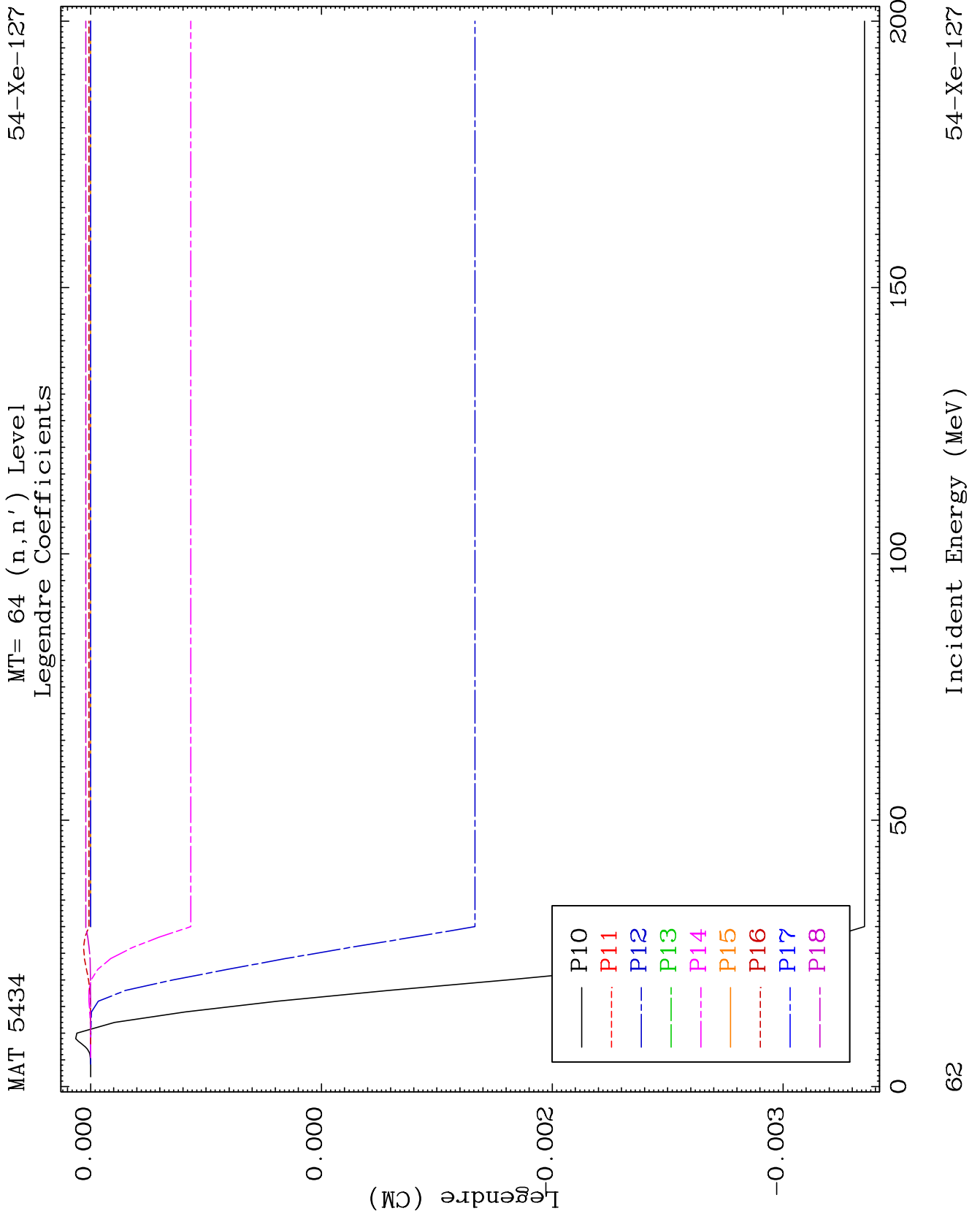
59

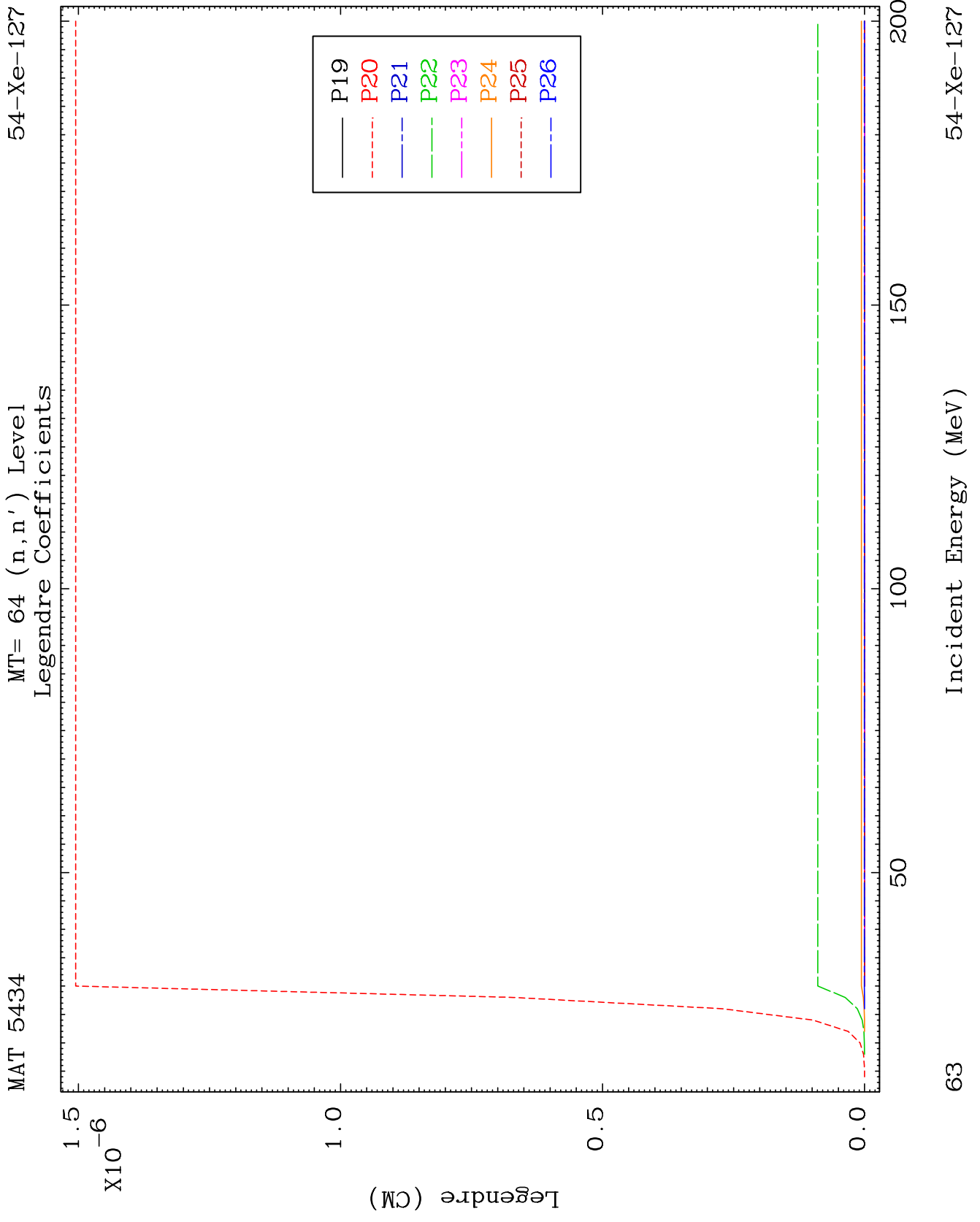
Incident Energy (MeV)

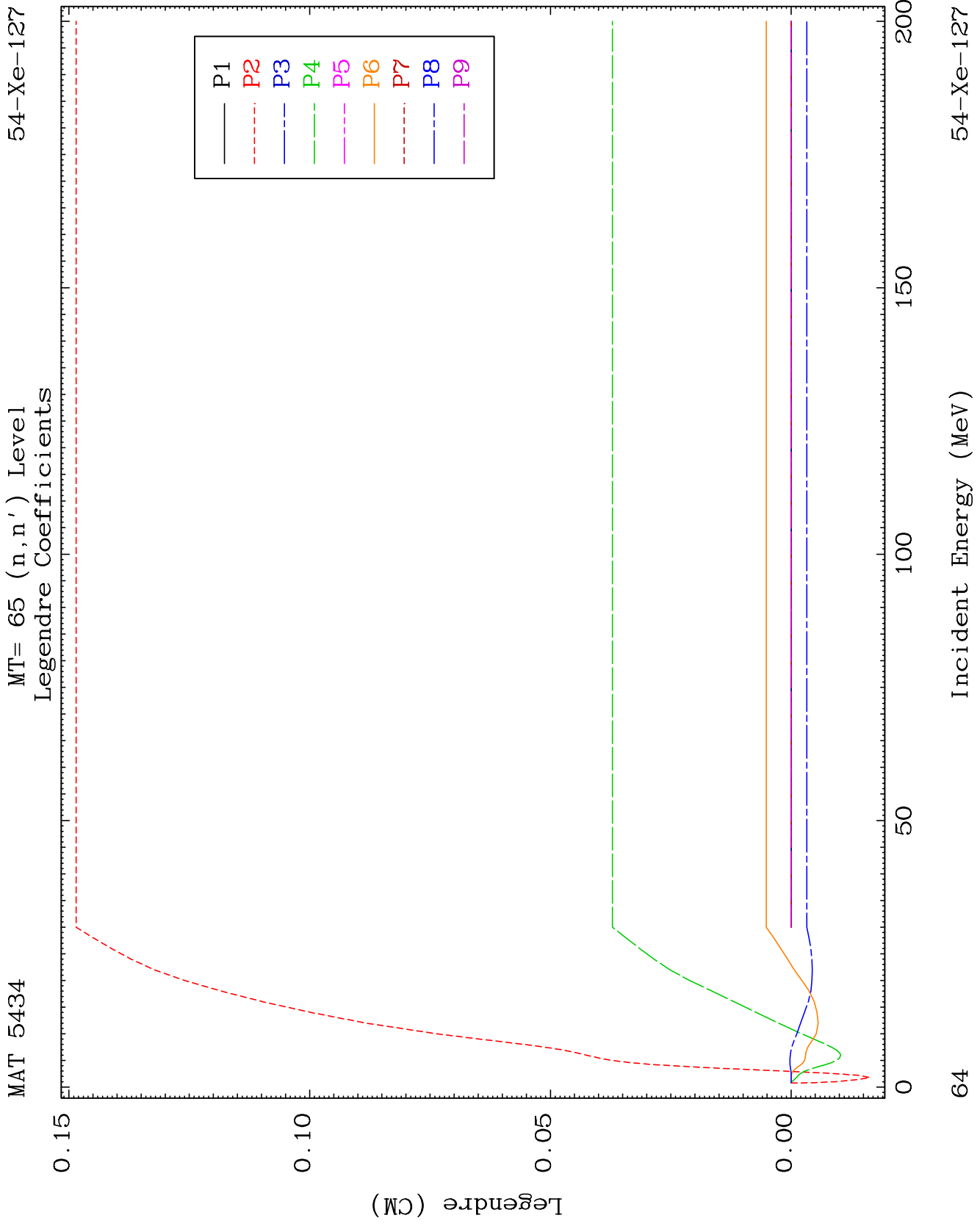
54-Xe-127







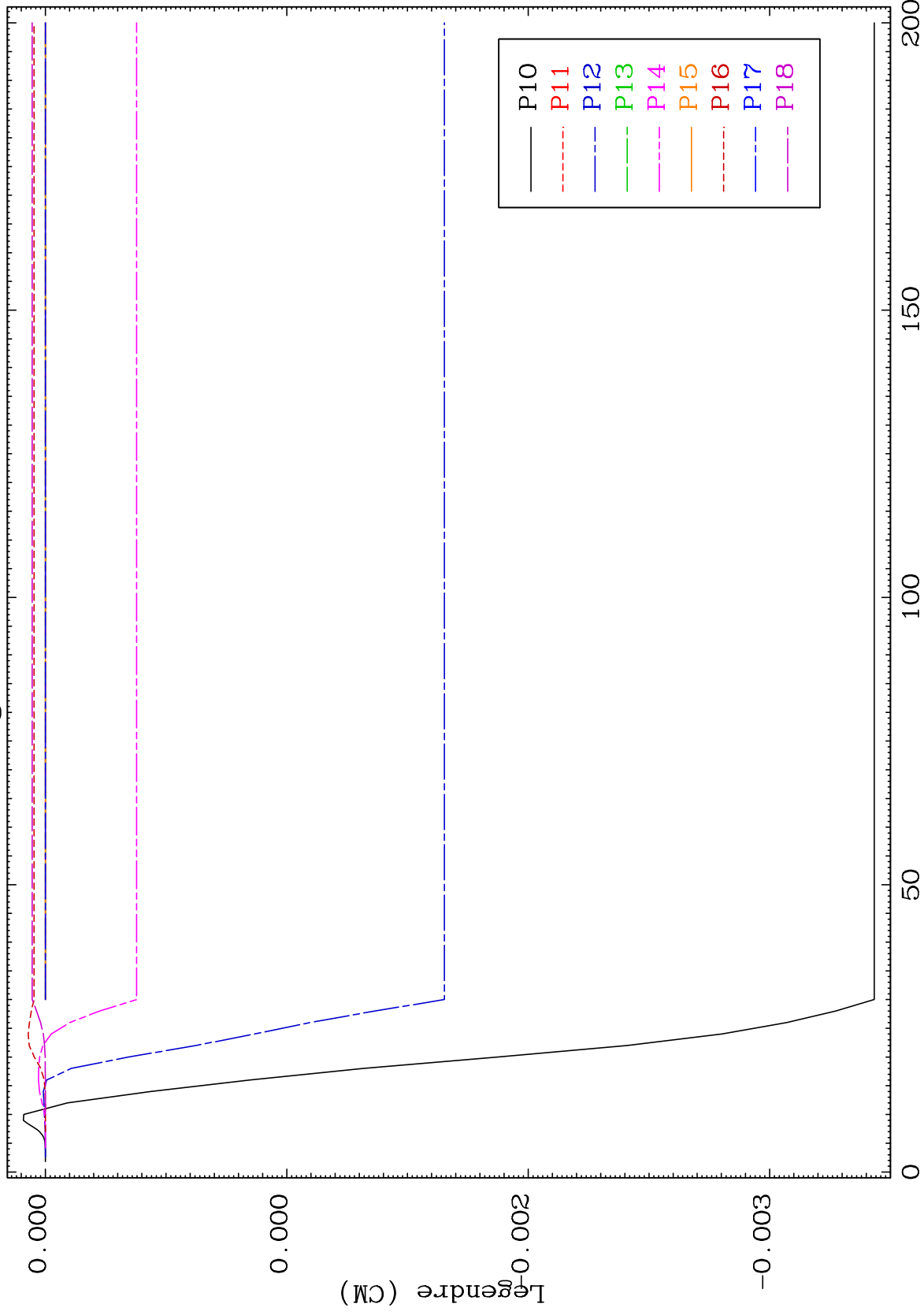




MAT 5434

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

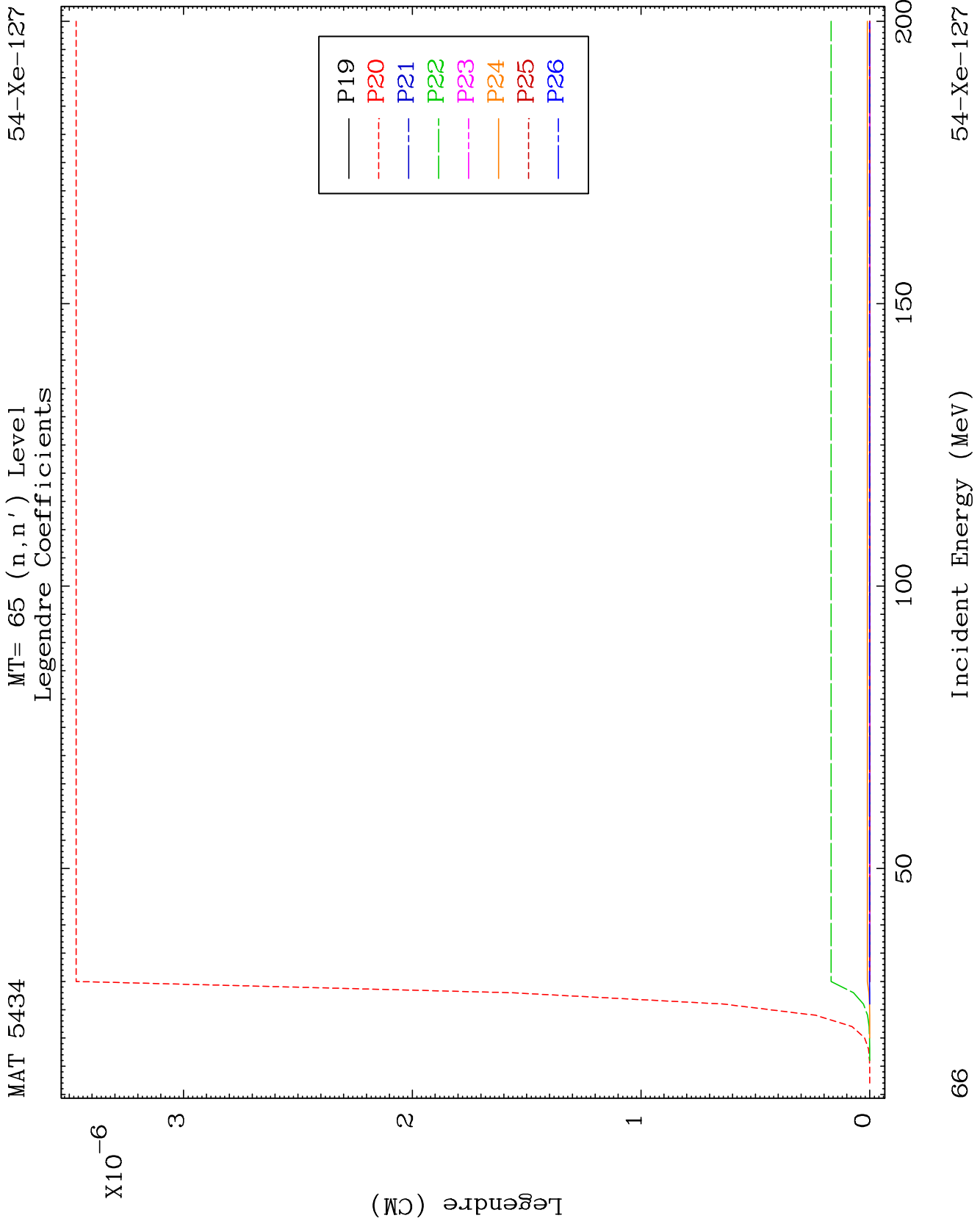
54-Xe-127



65

Incident Energy (MeV)

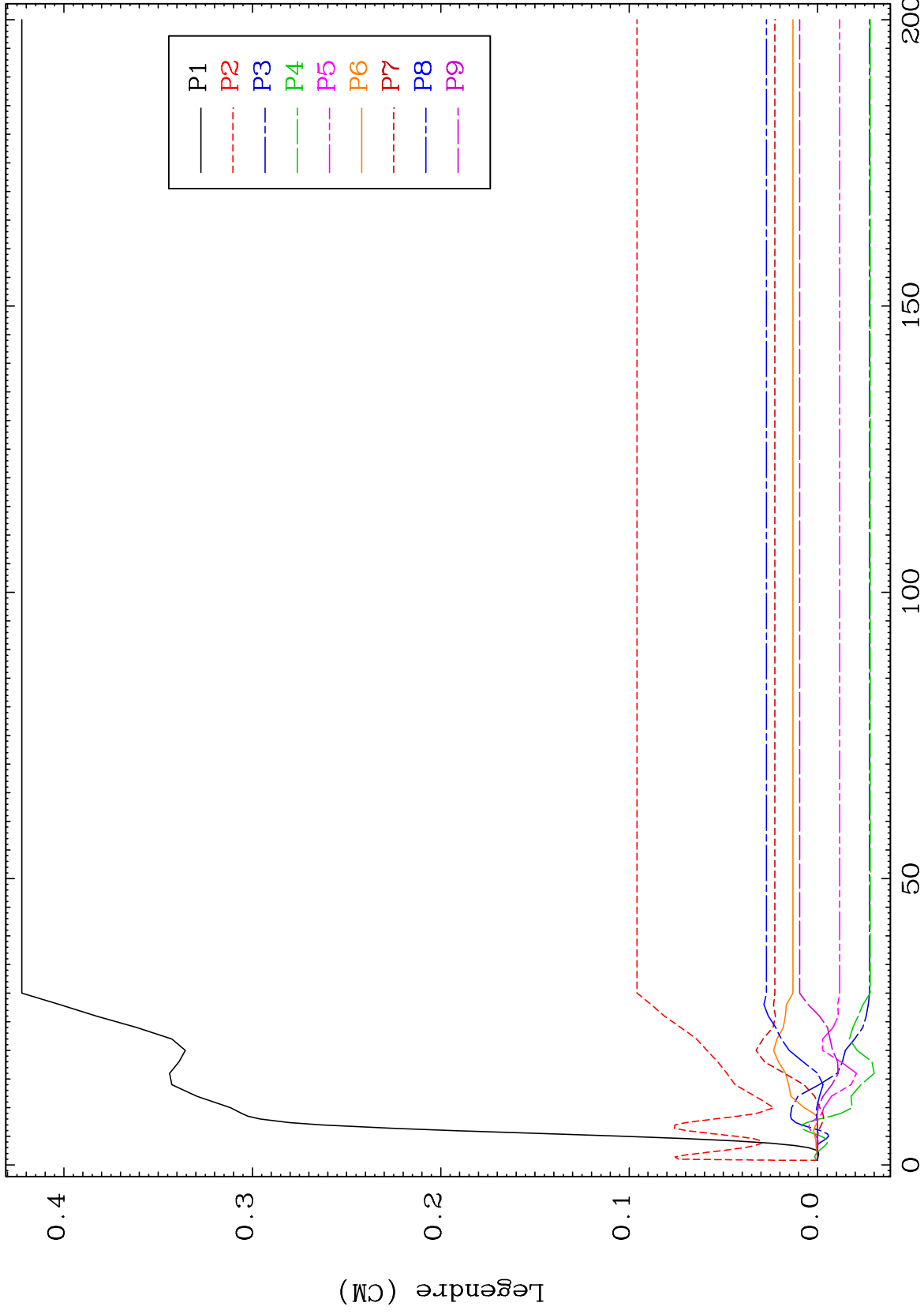
54-Xe-127



MAT 5434

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

54-Xe-127



54-Xe-127

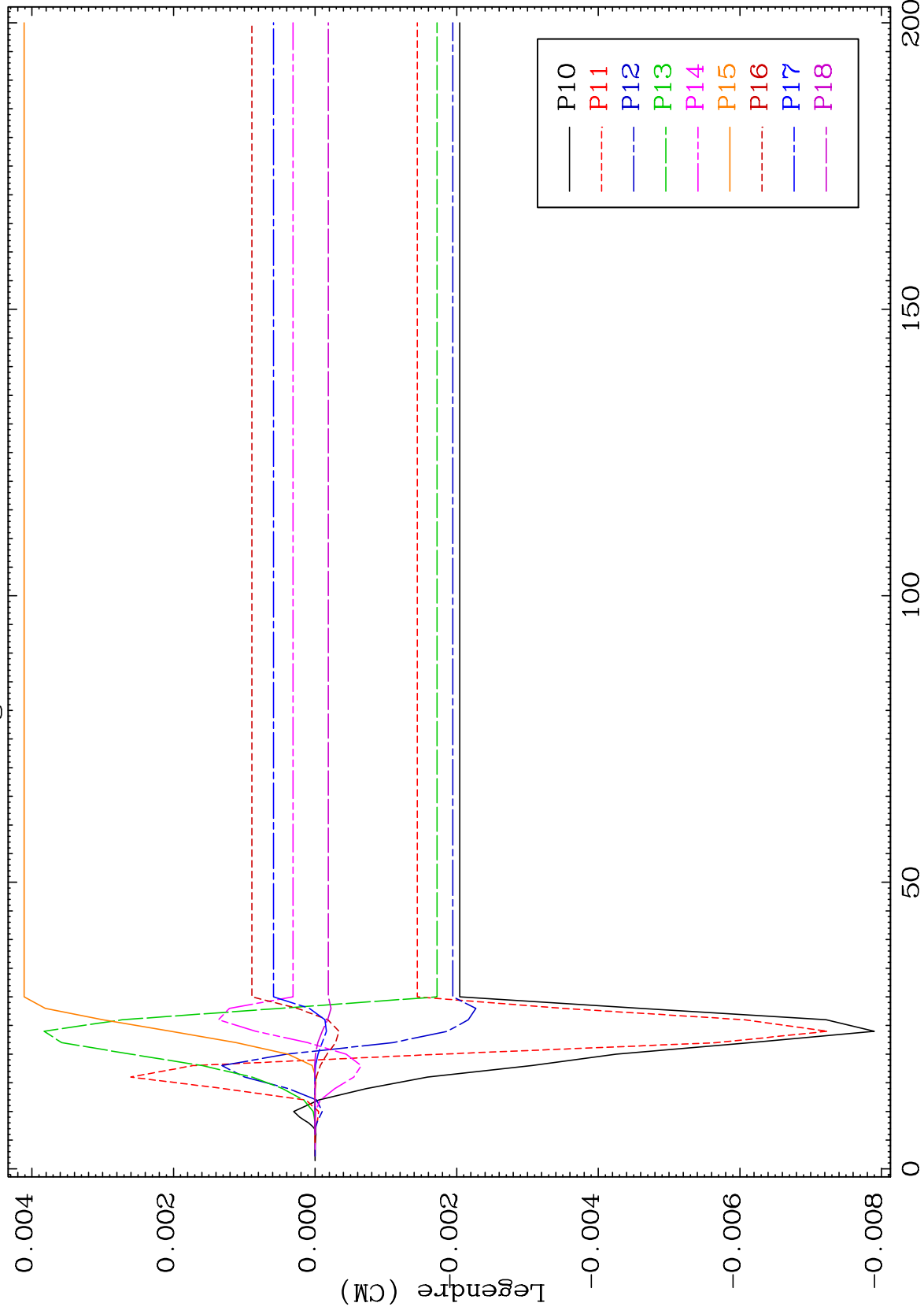
Incident Energy (MeV)

67

MAT 5434

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

54-Xe-127



68

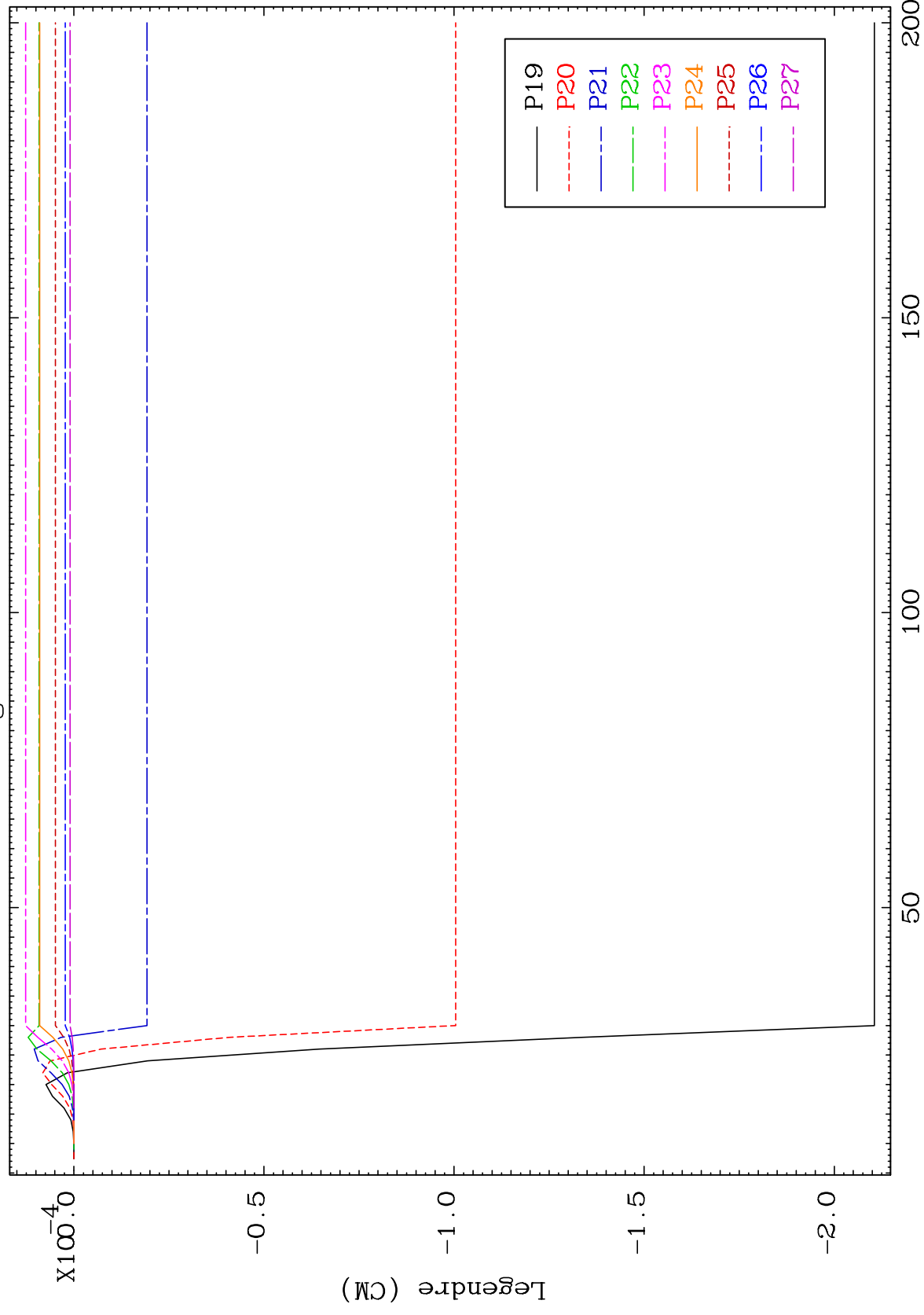
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

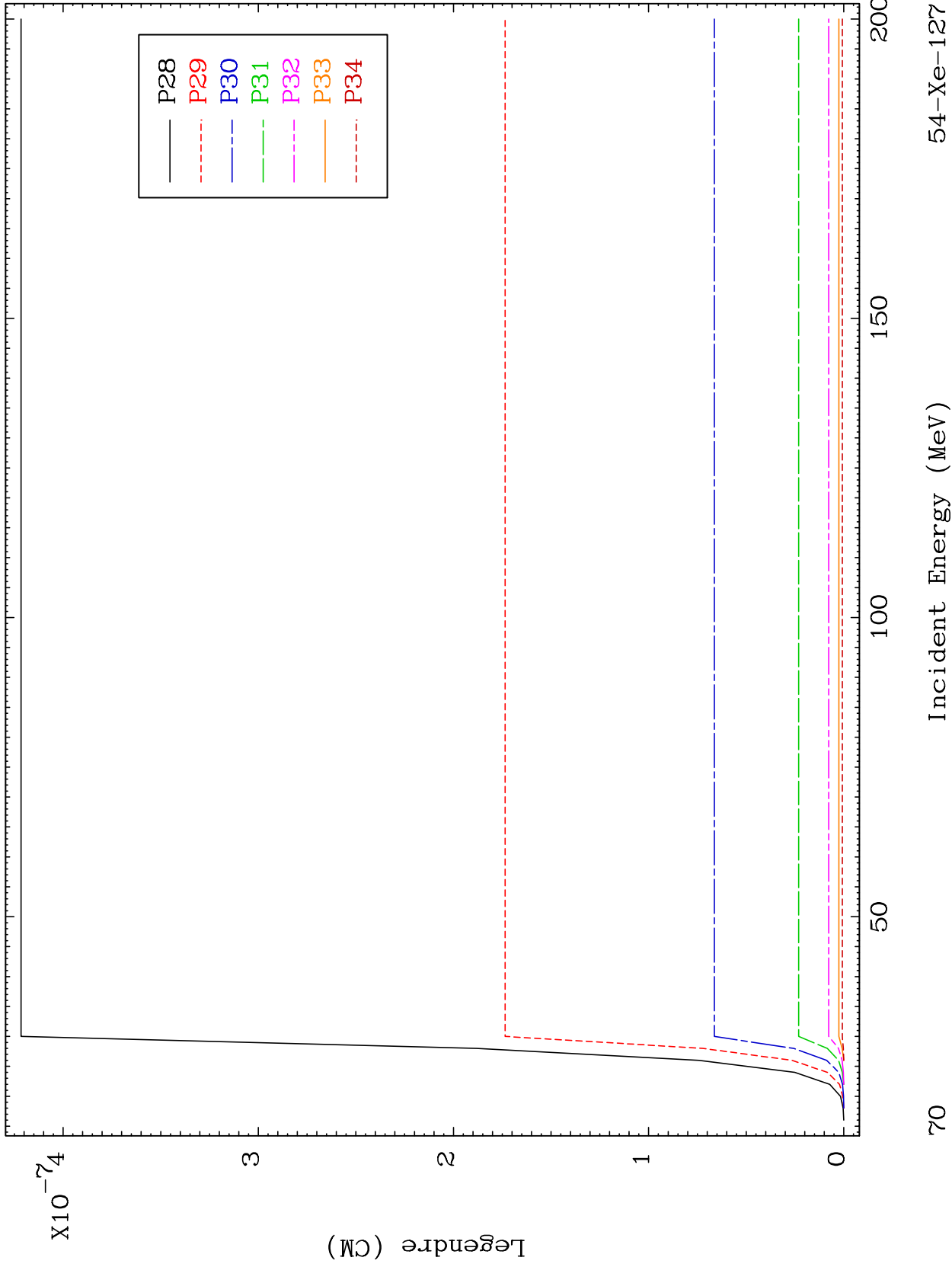
54-Xe-127

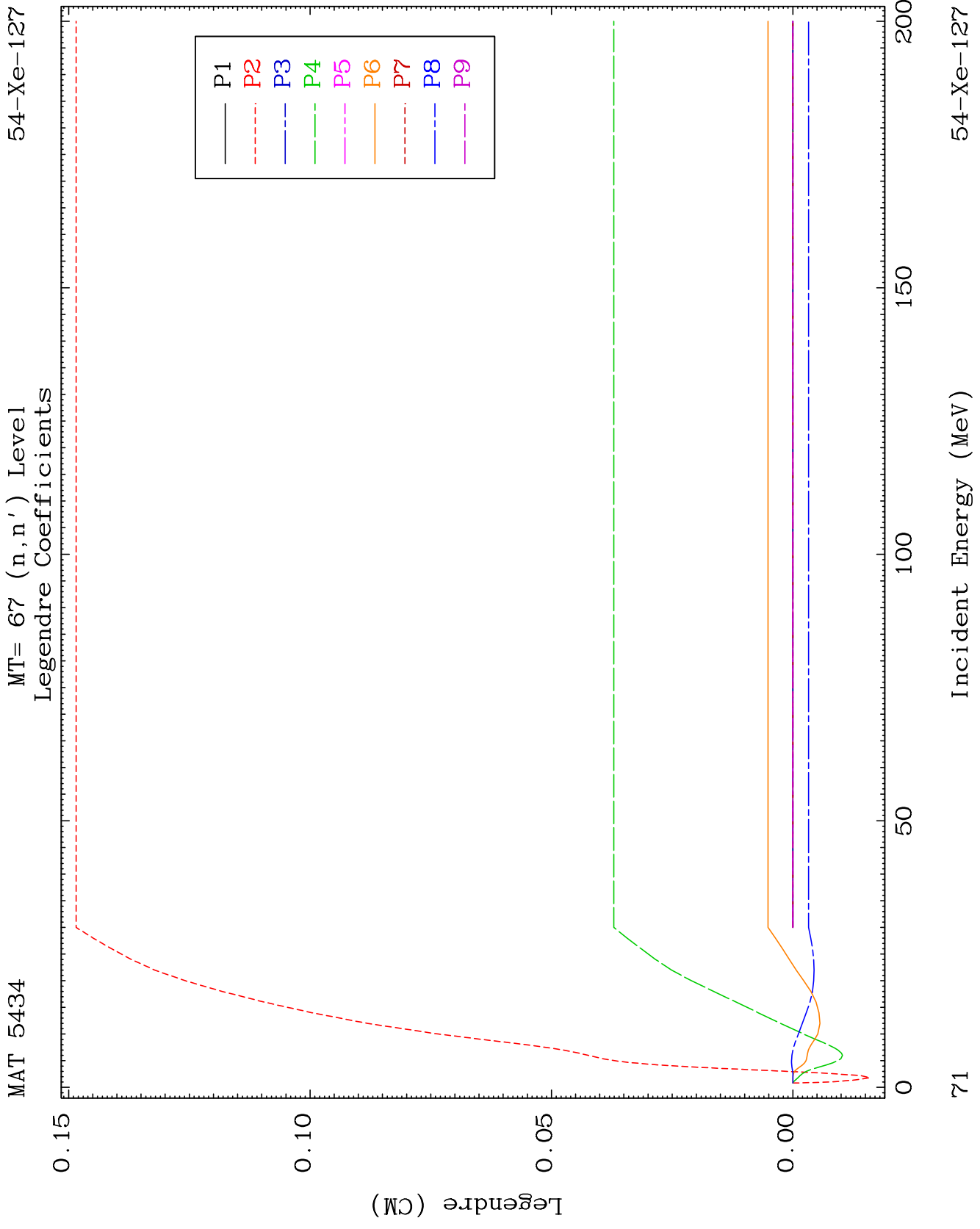


MAT 5434

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

54-Xe-127

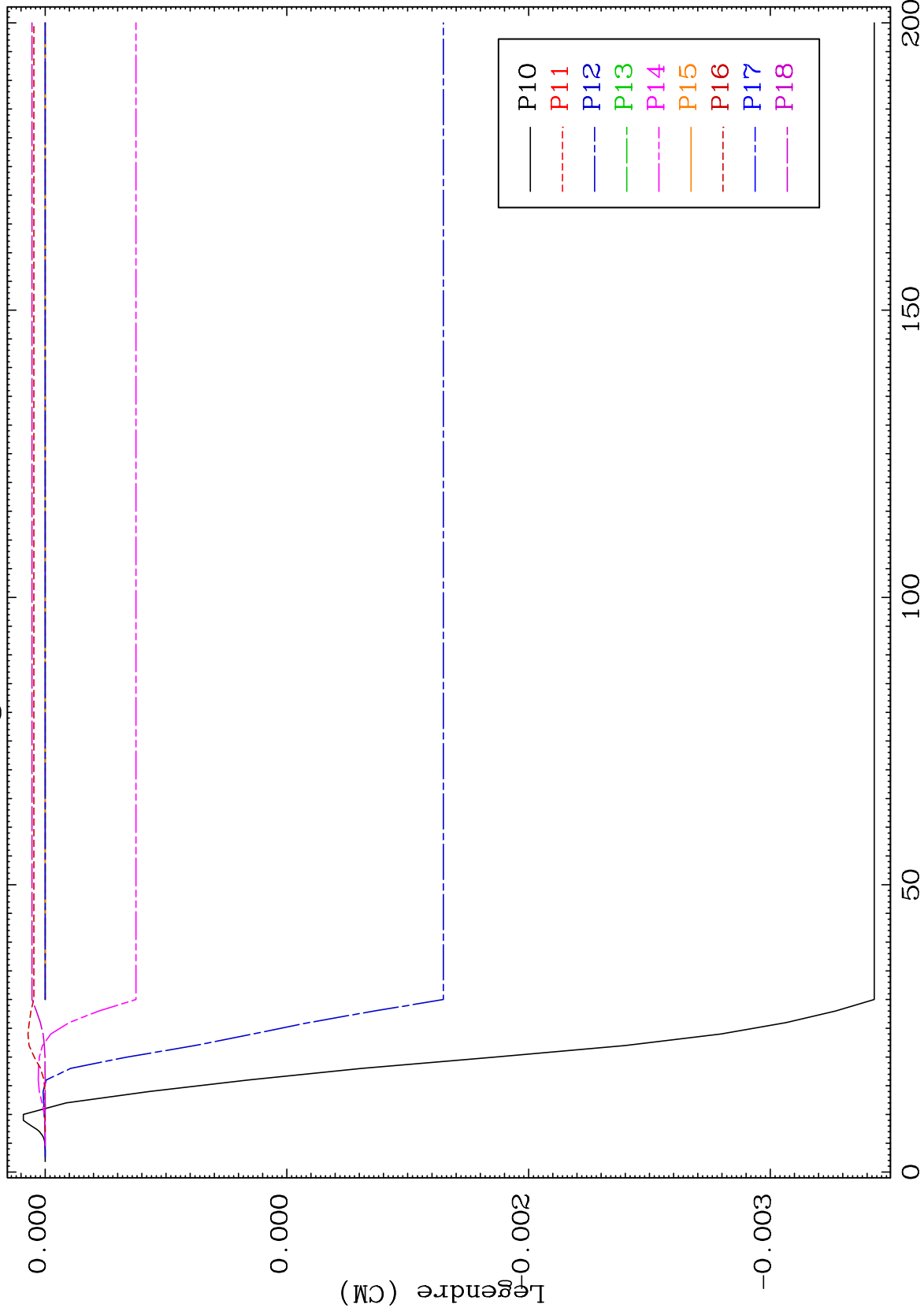




MAT 5434

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

54-Xe-127



72

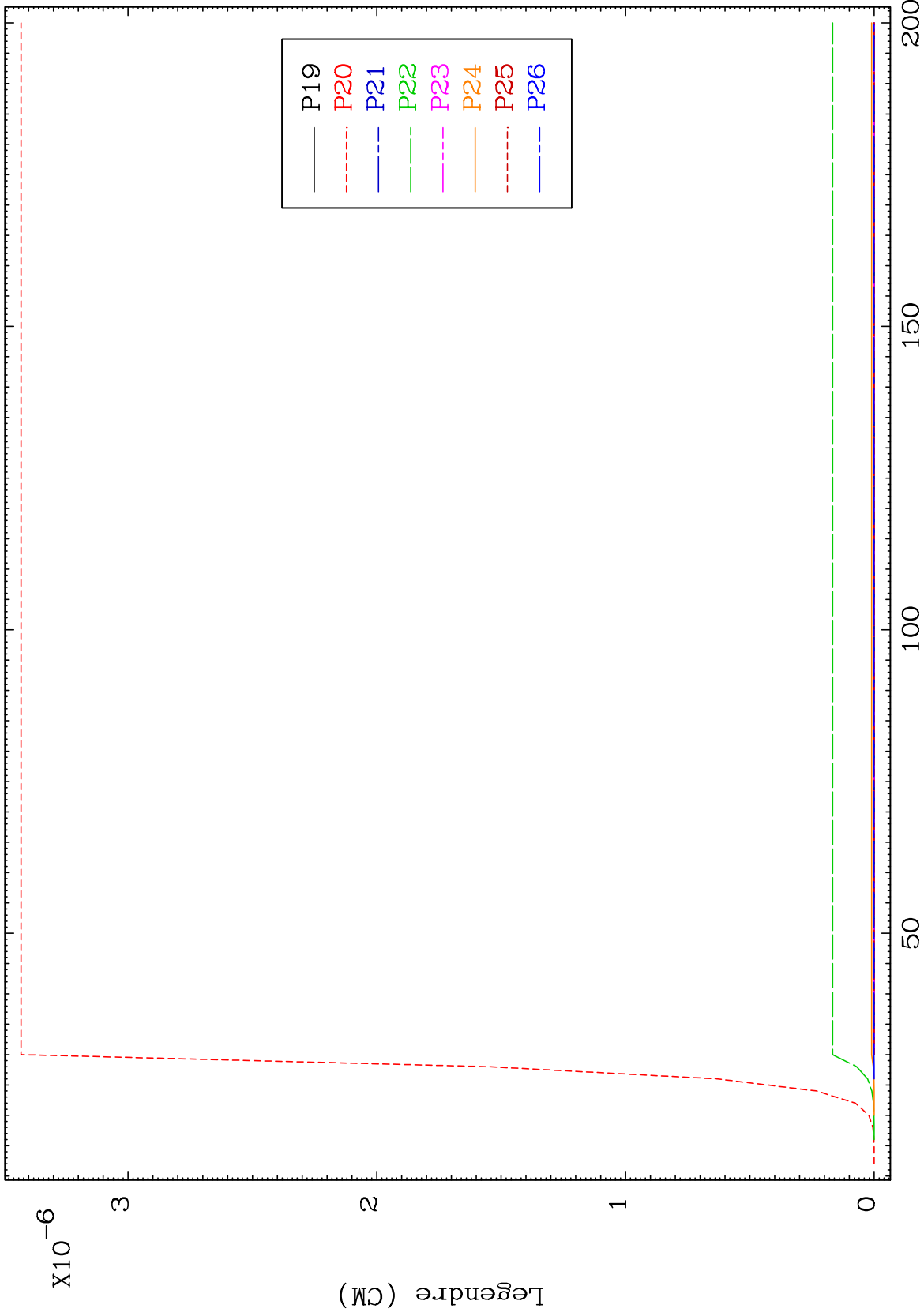
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

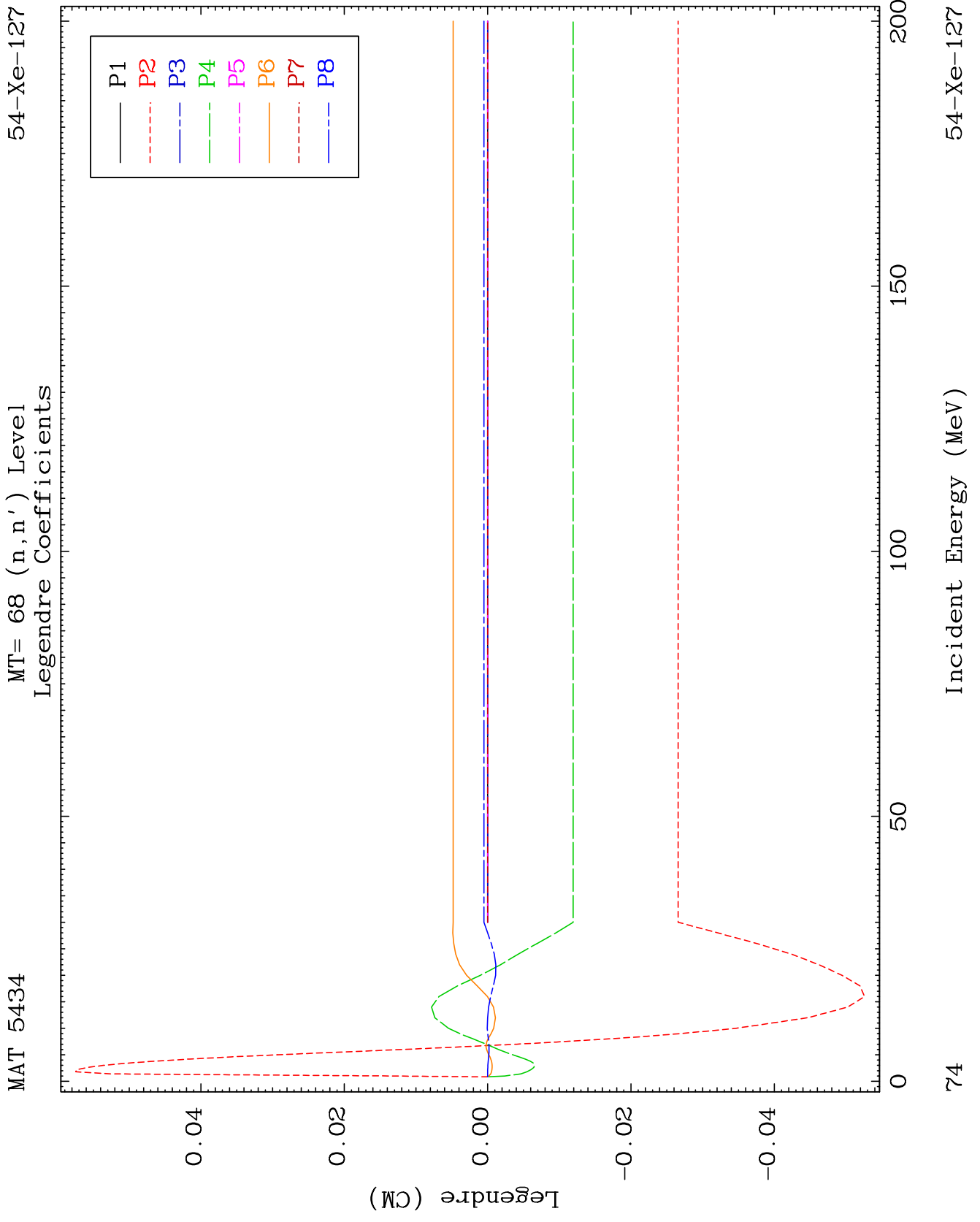
54-Xe-127



73

Incident Energy (MeV)

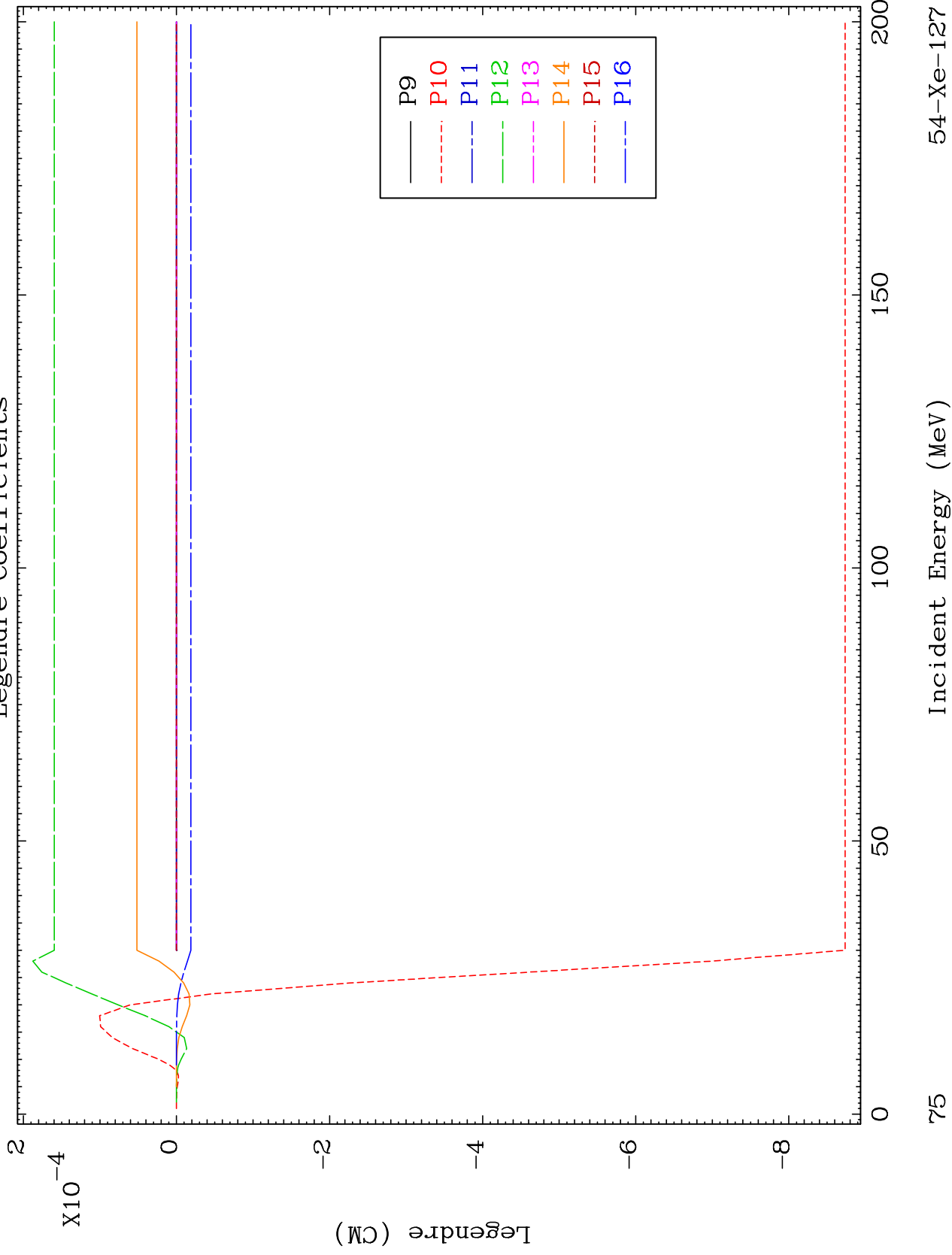
54-Xe-127



MAT 5434

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

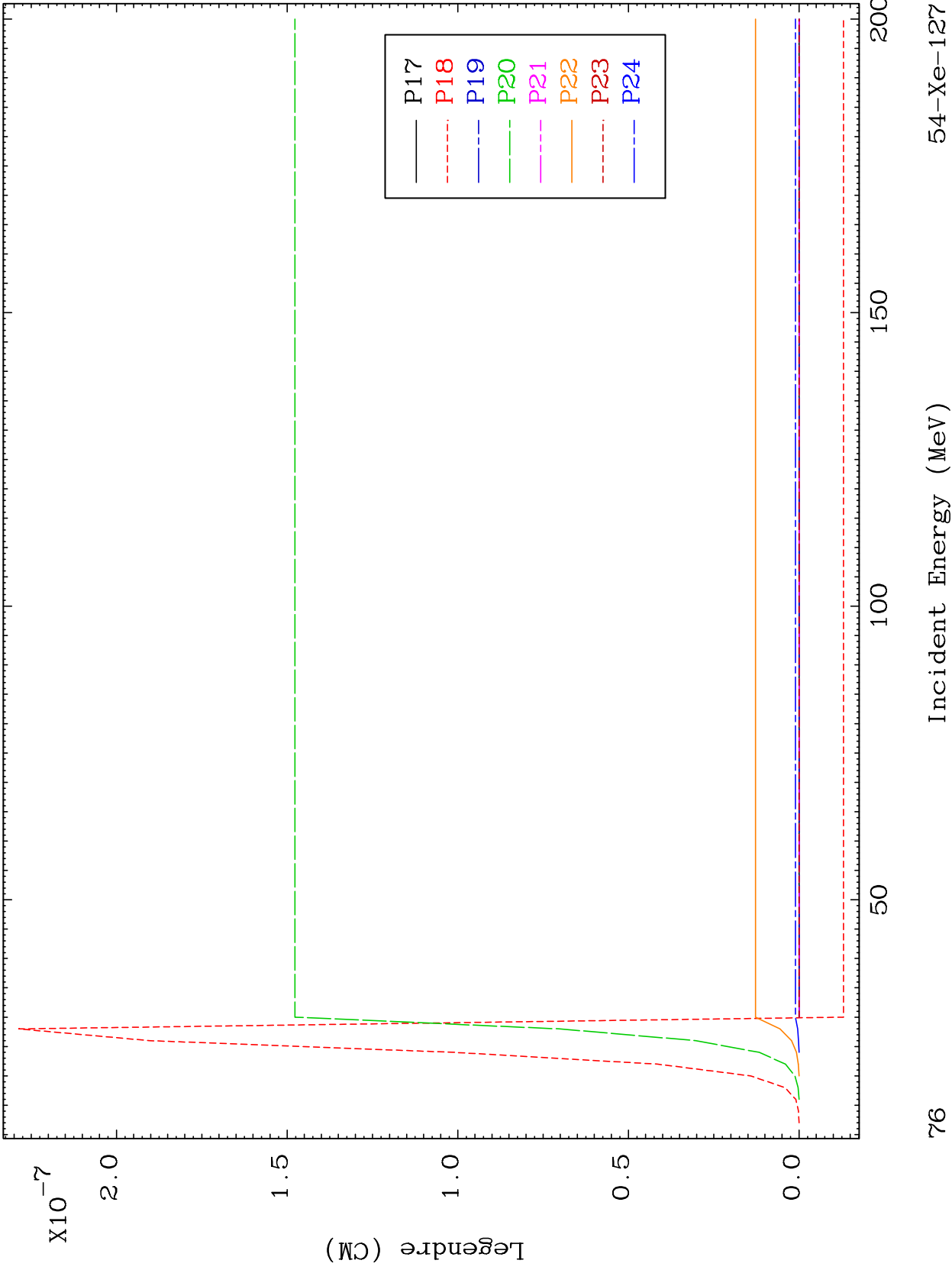
54-Xe-127



MAT 5434

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

54-Xe-127



76

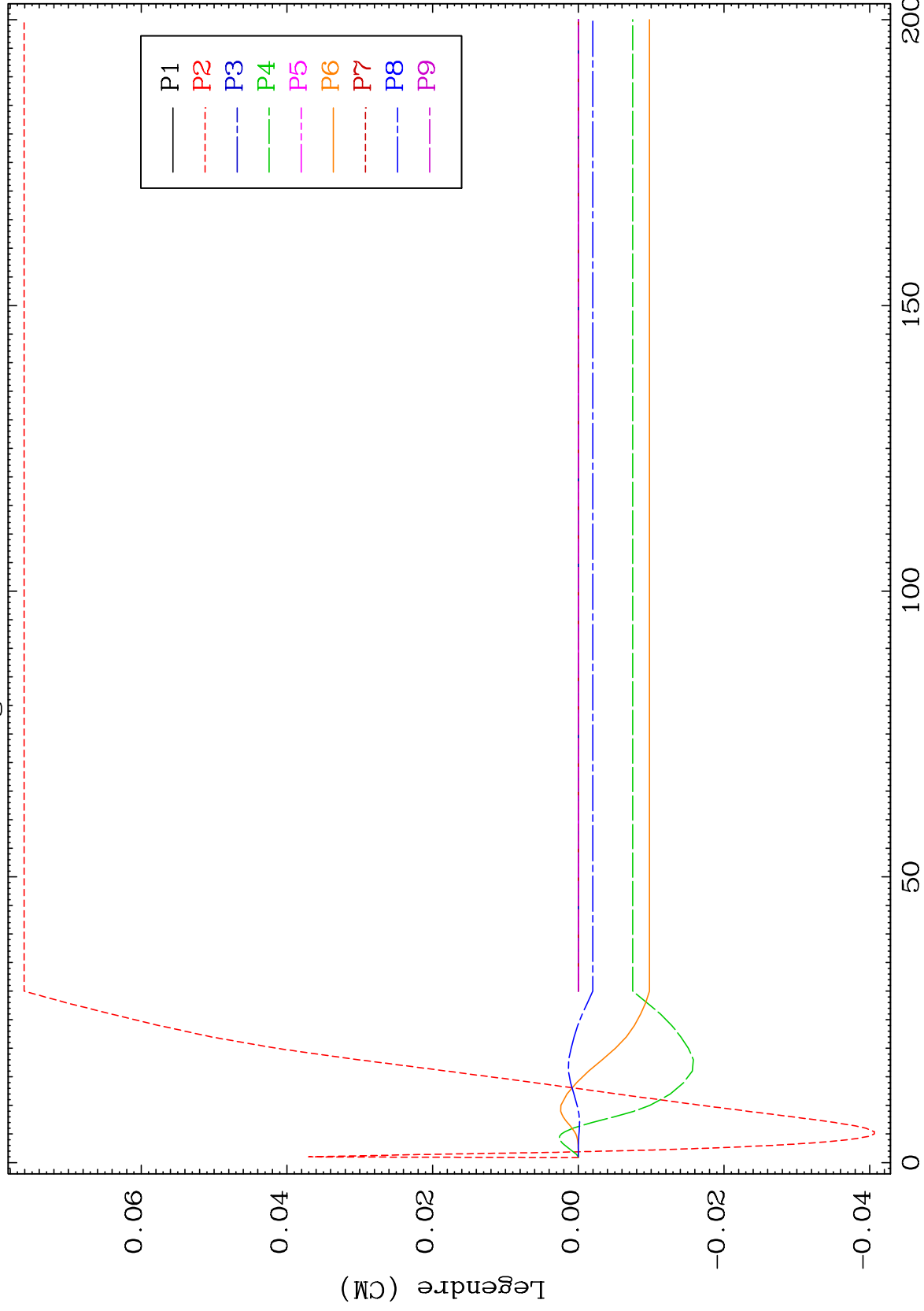
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



77

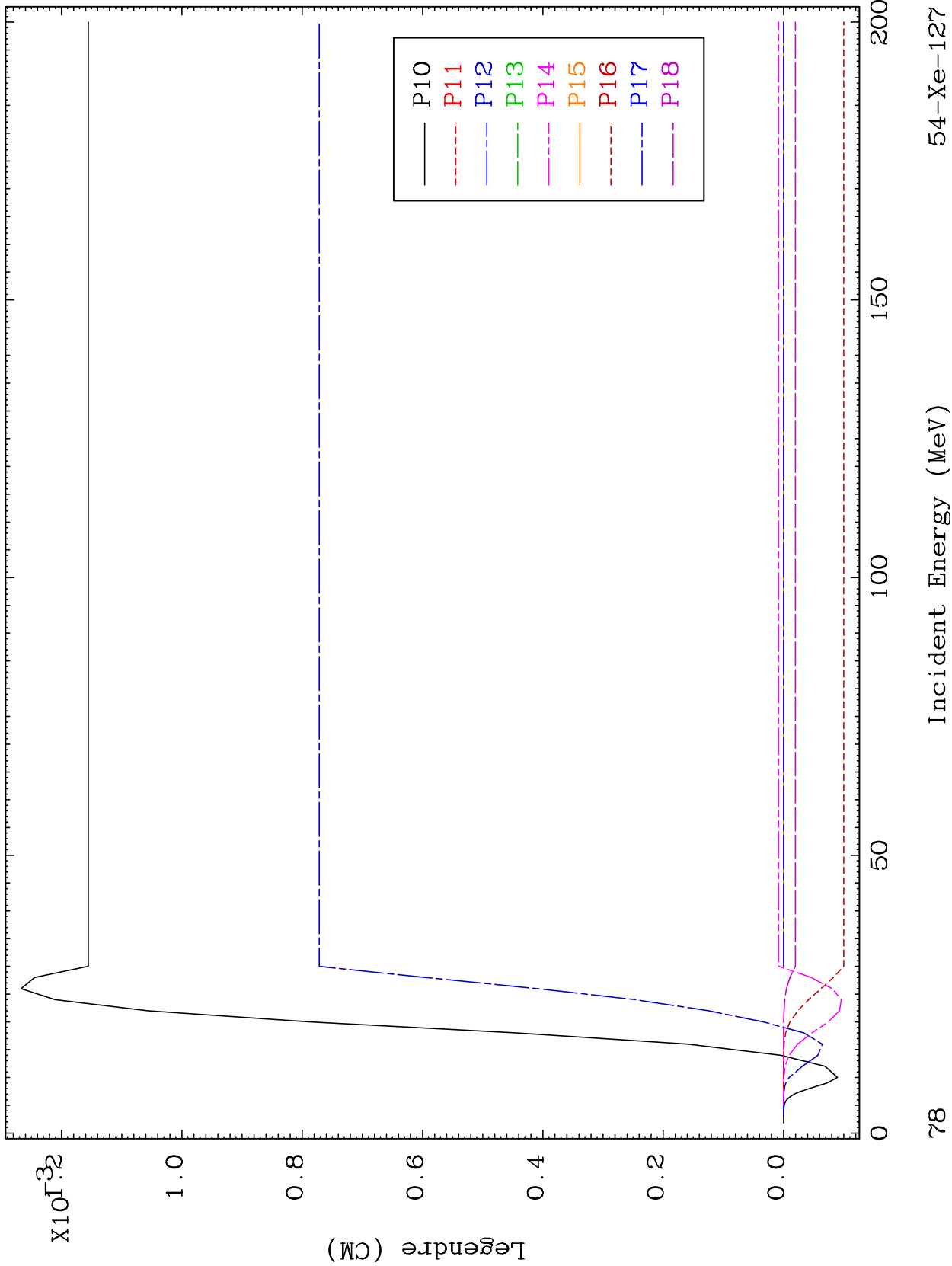
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



78

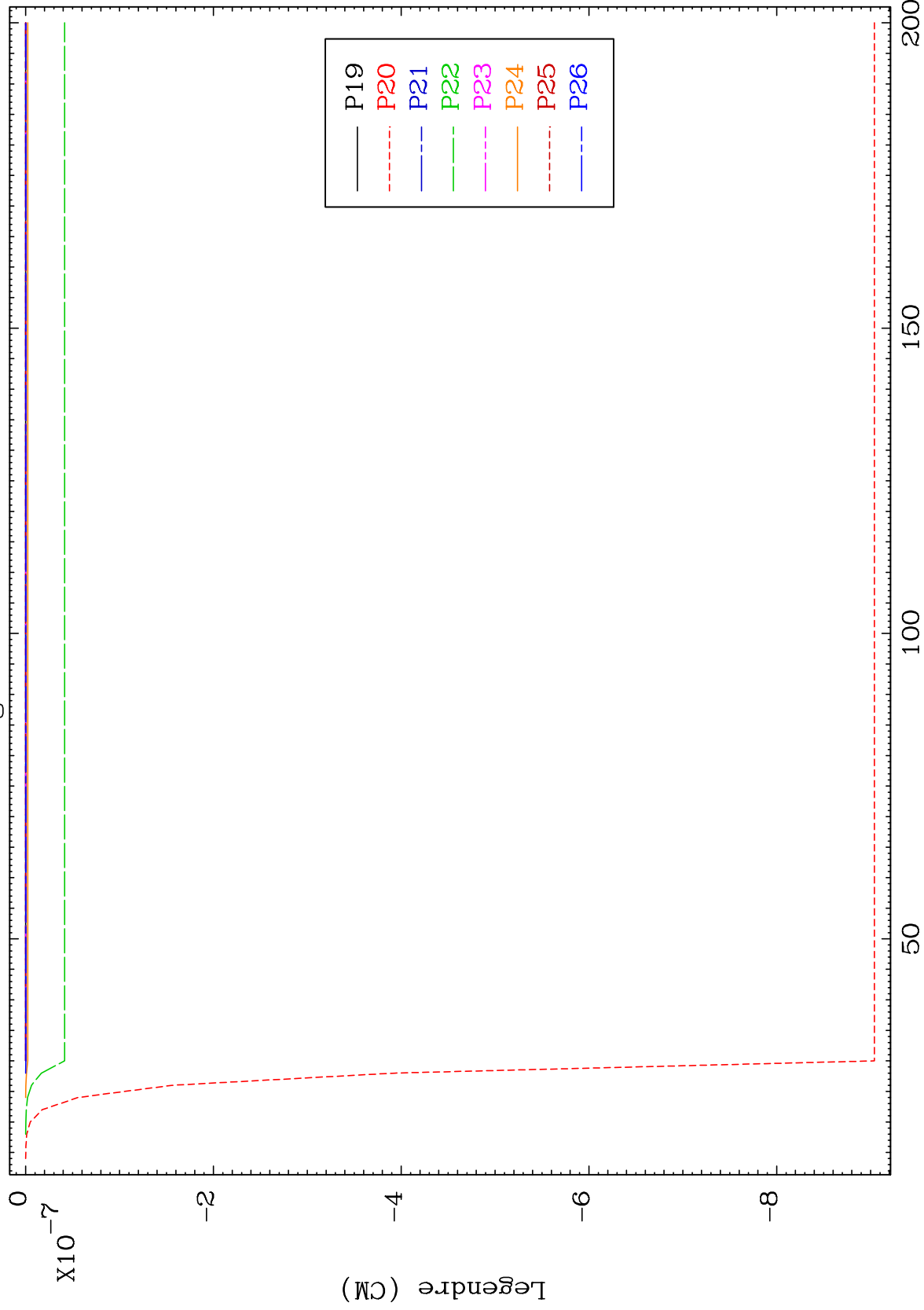
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



79

Incident Energy (MeV)

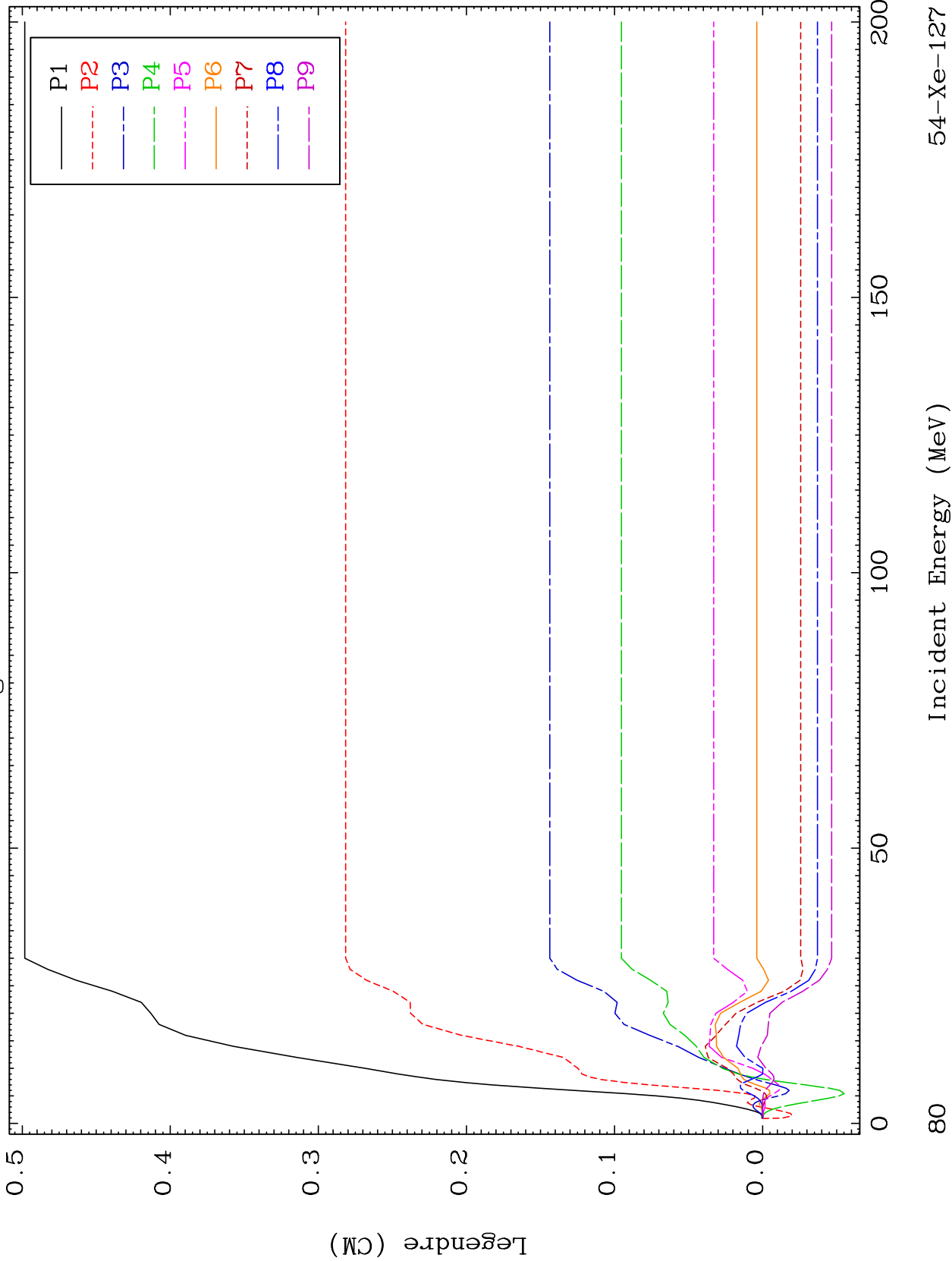
54-Xe-127

MAT 5434

MT= 70 (n,n') Level

54-Xe-127

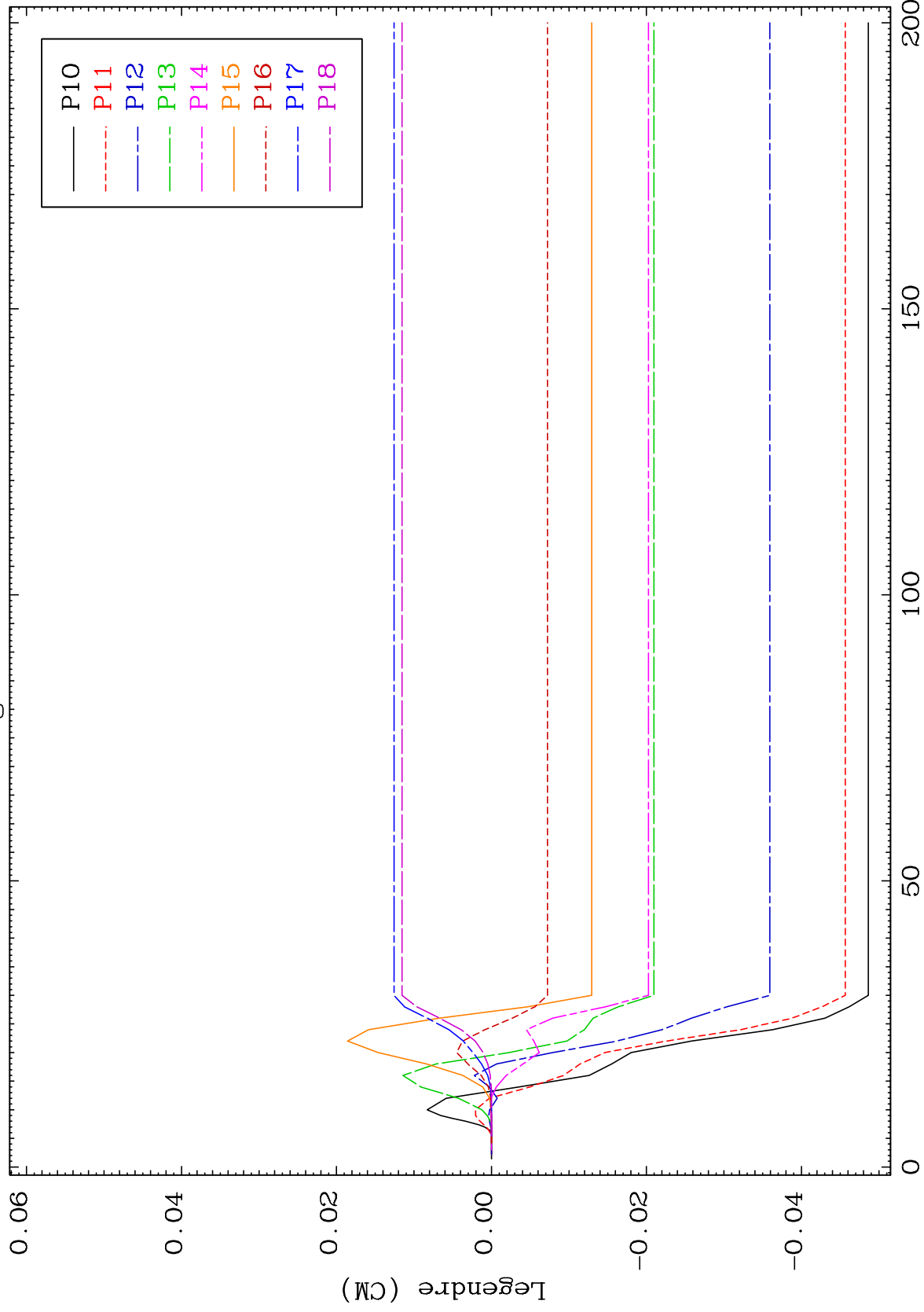
Legendre Coefficients



MAT 5434

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

54-Xe-127



81

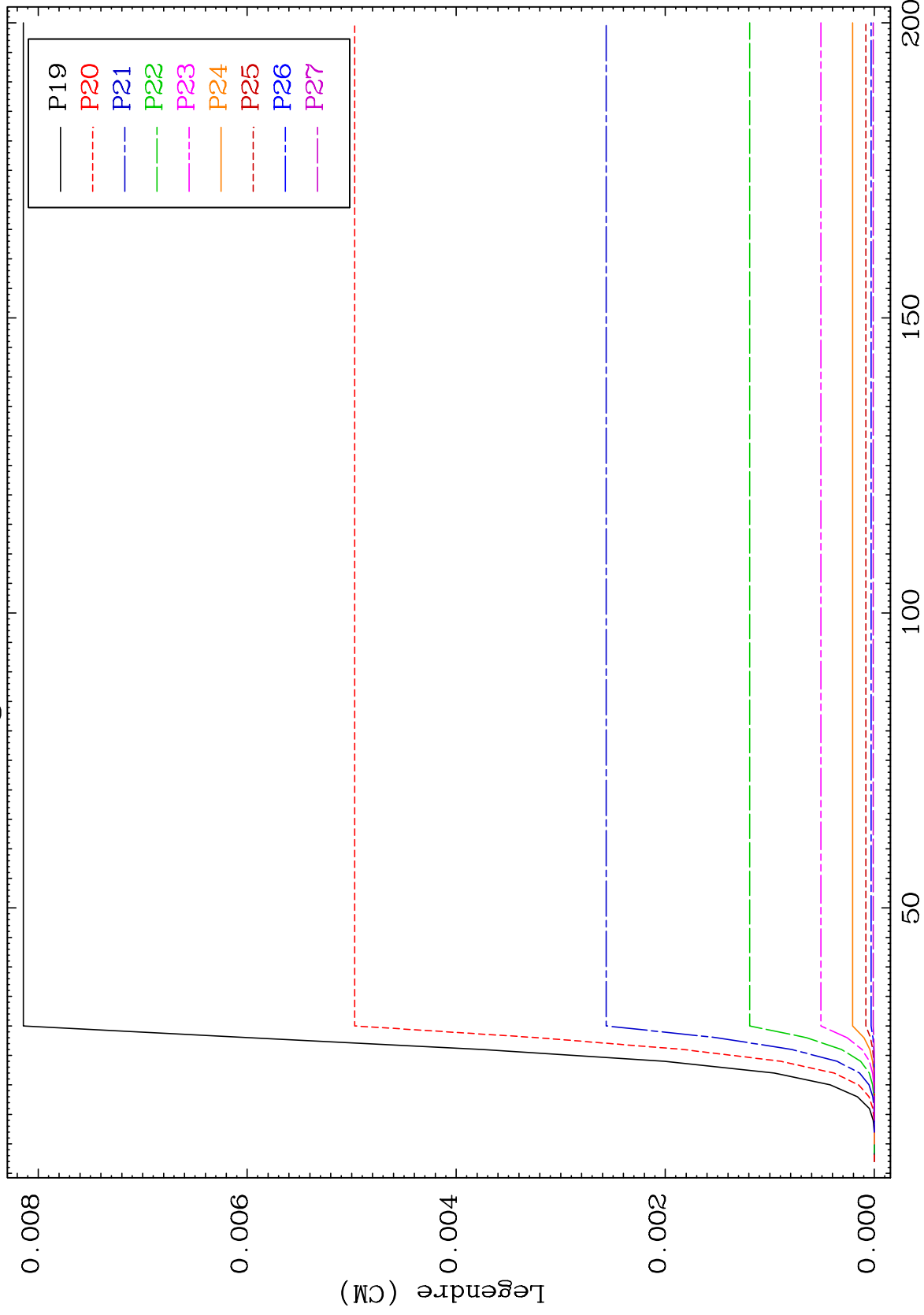
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



82

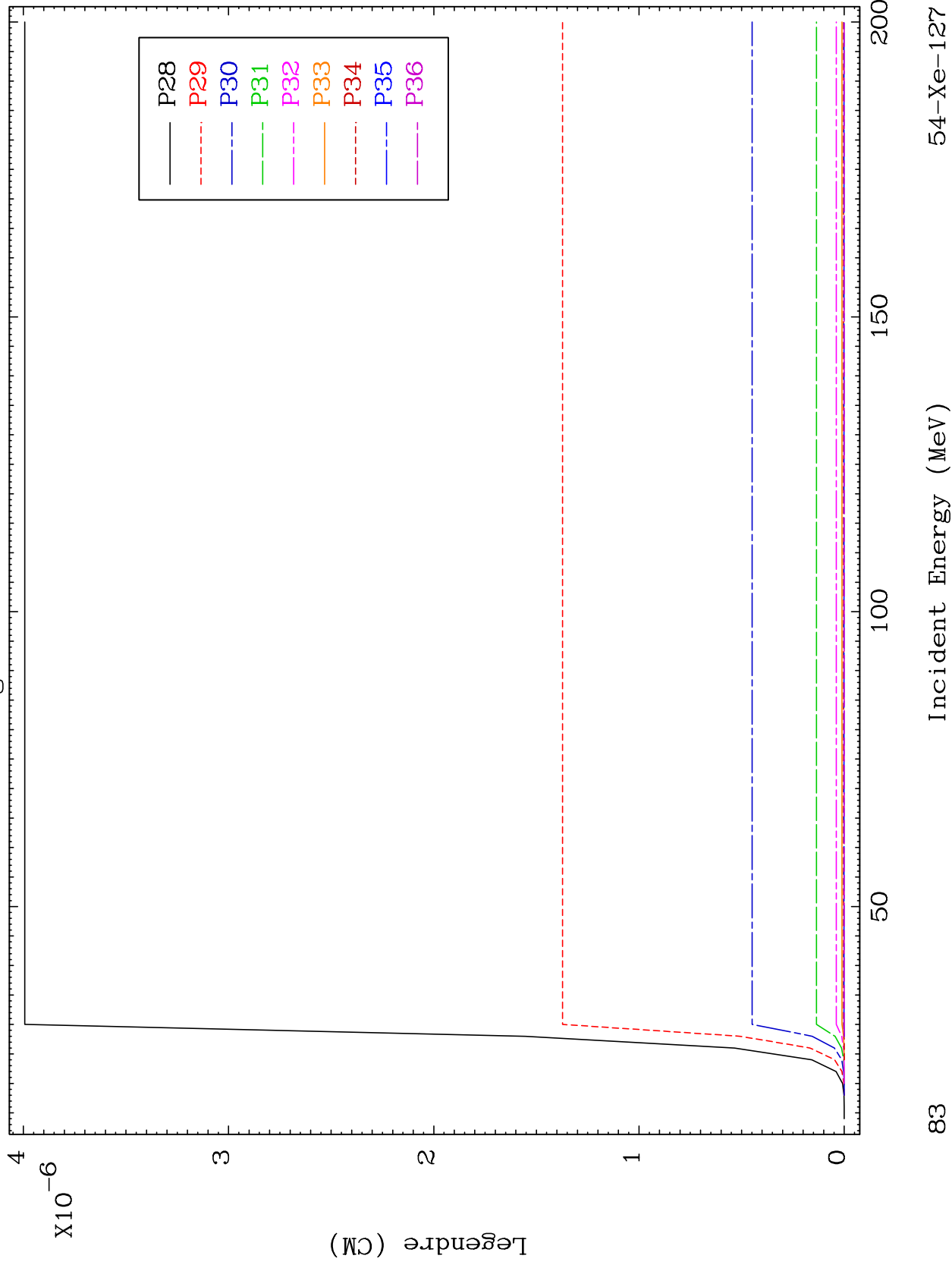
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

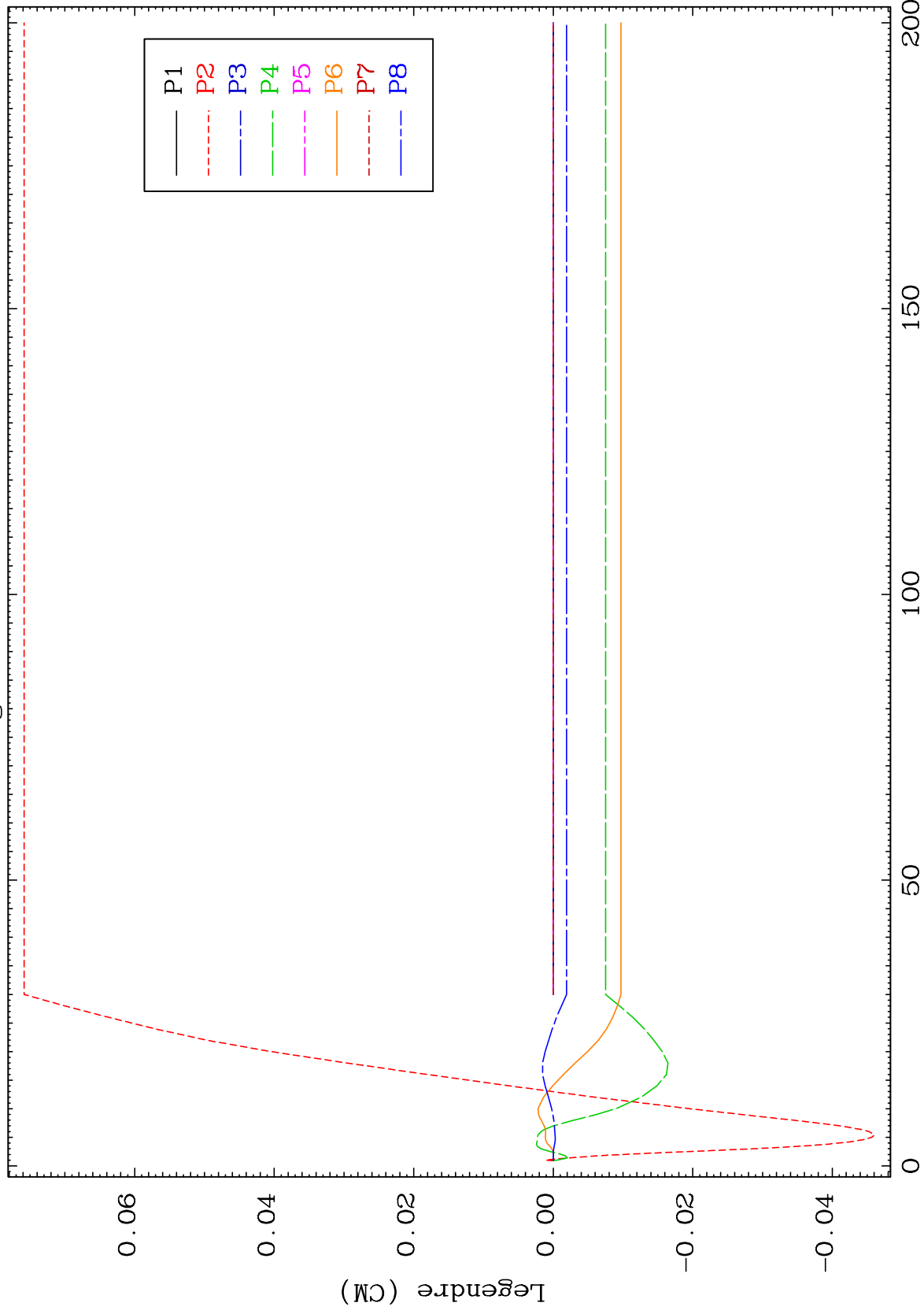
54-Xe-127



MAT 5434

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

54-Xe-127



84

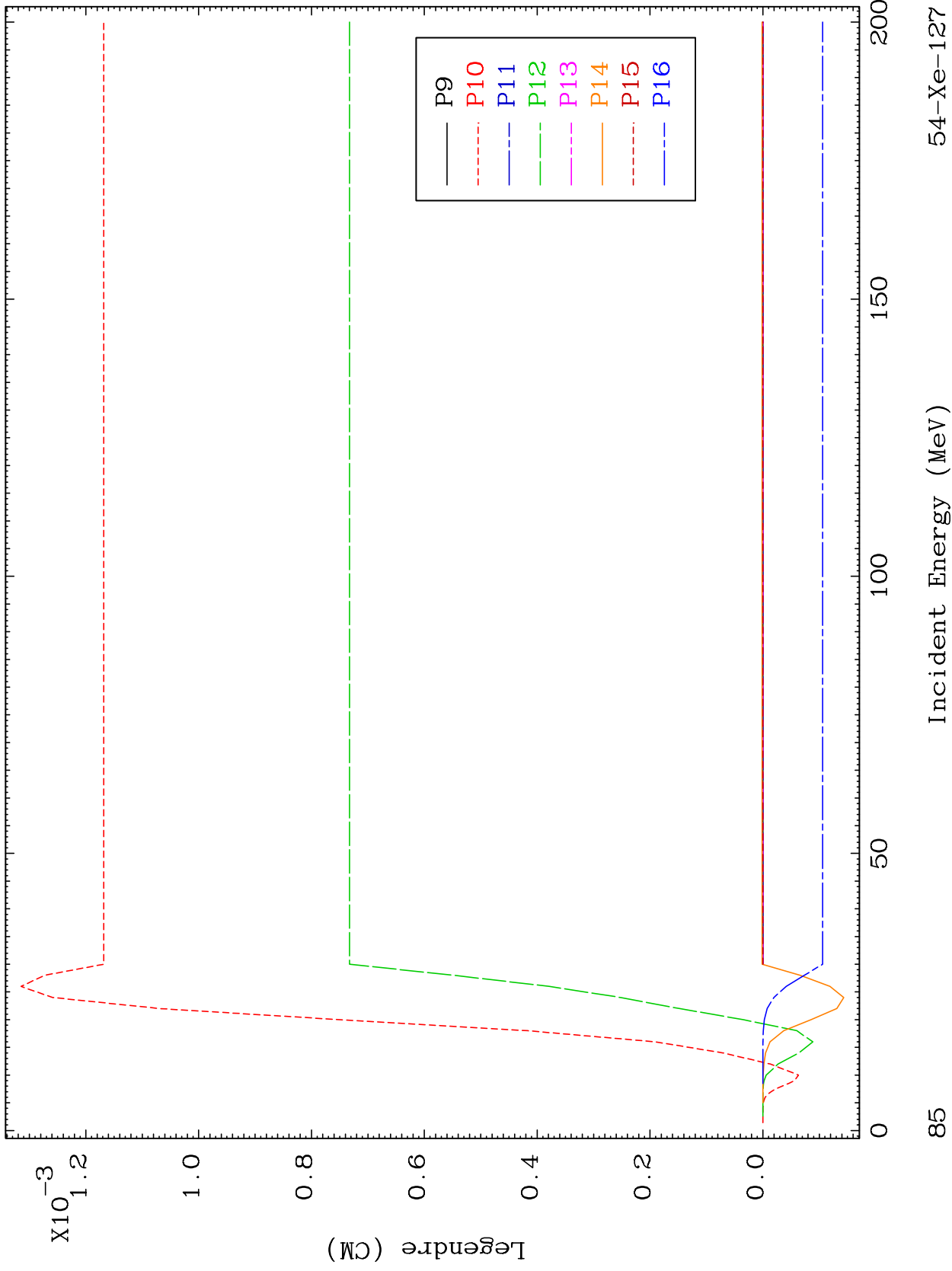
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



54-Xe-127

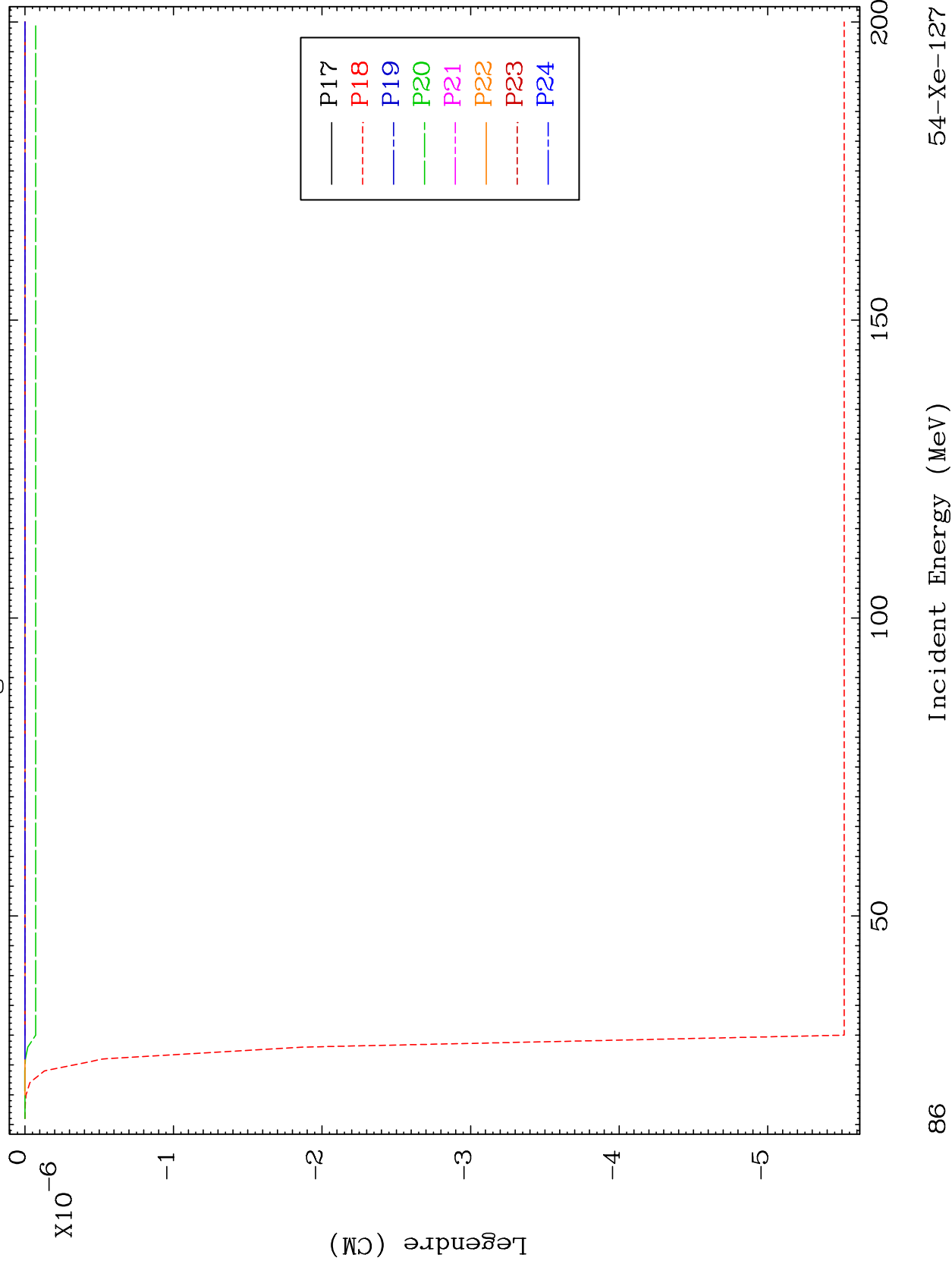
Incident Energy (MeV)

85

MAT 5434

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

54-Xe-127



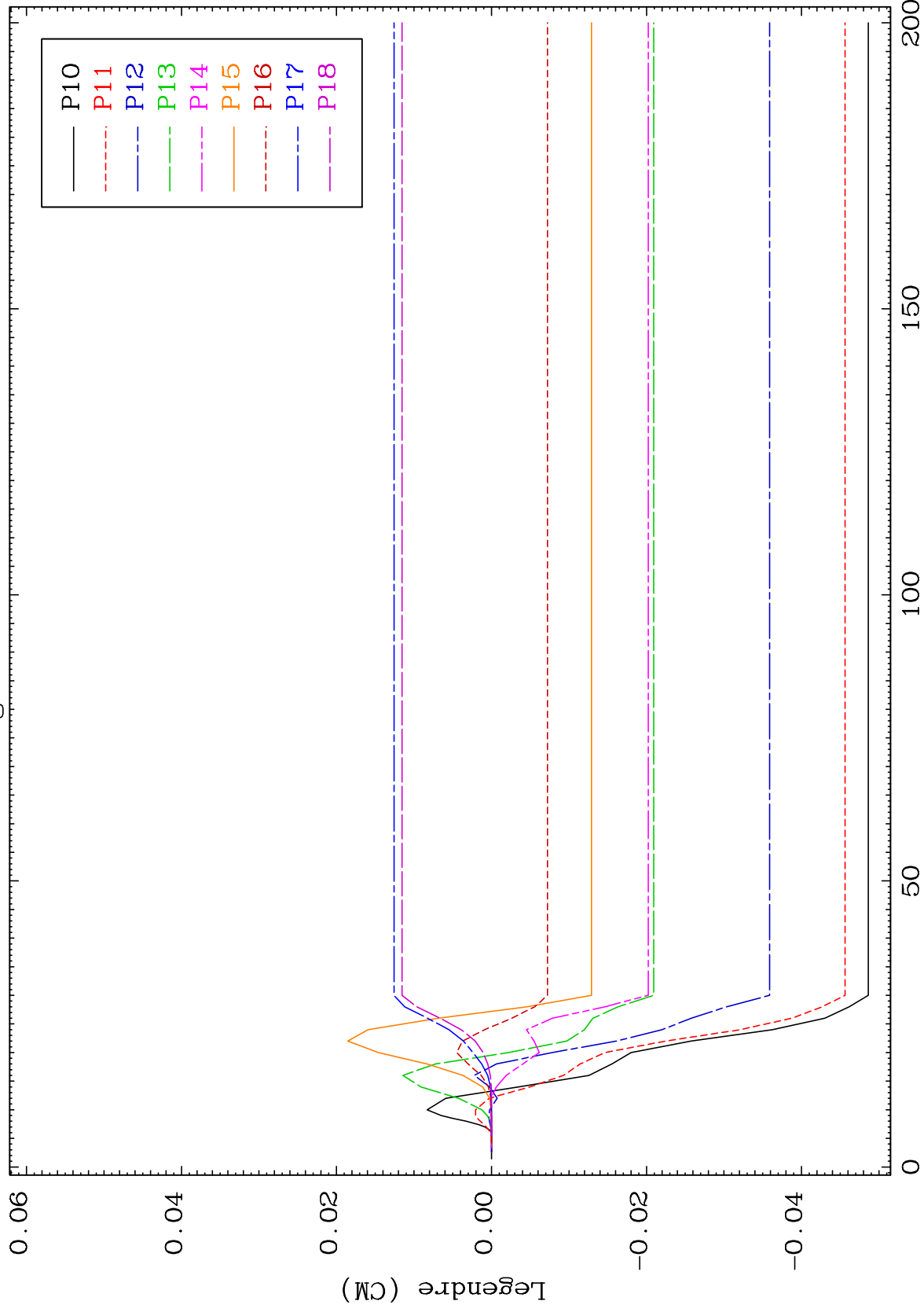
86

54-Xe-127

MAT 5434

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

54-Xe-127



88

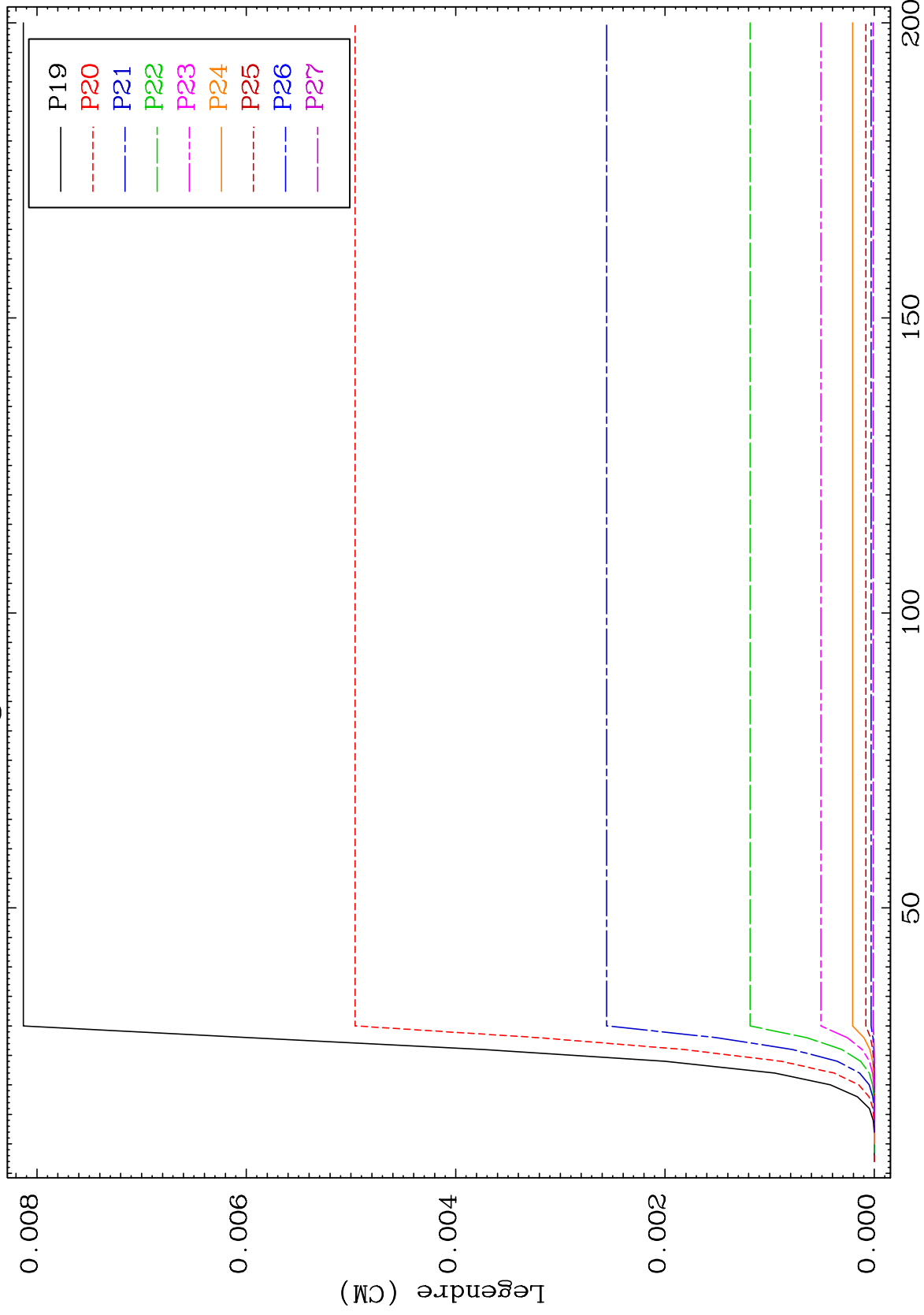
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



89

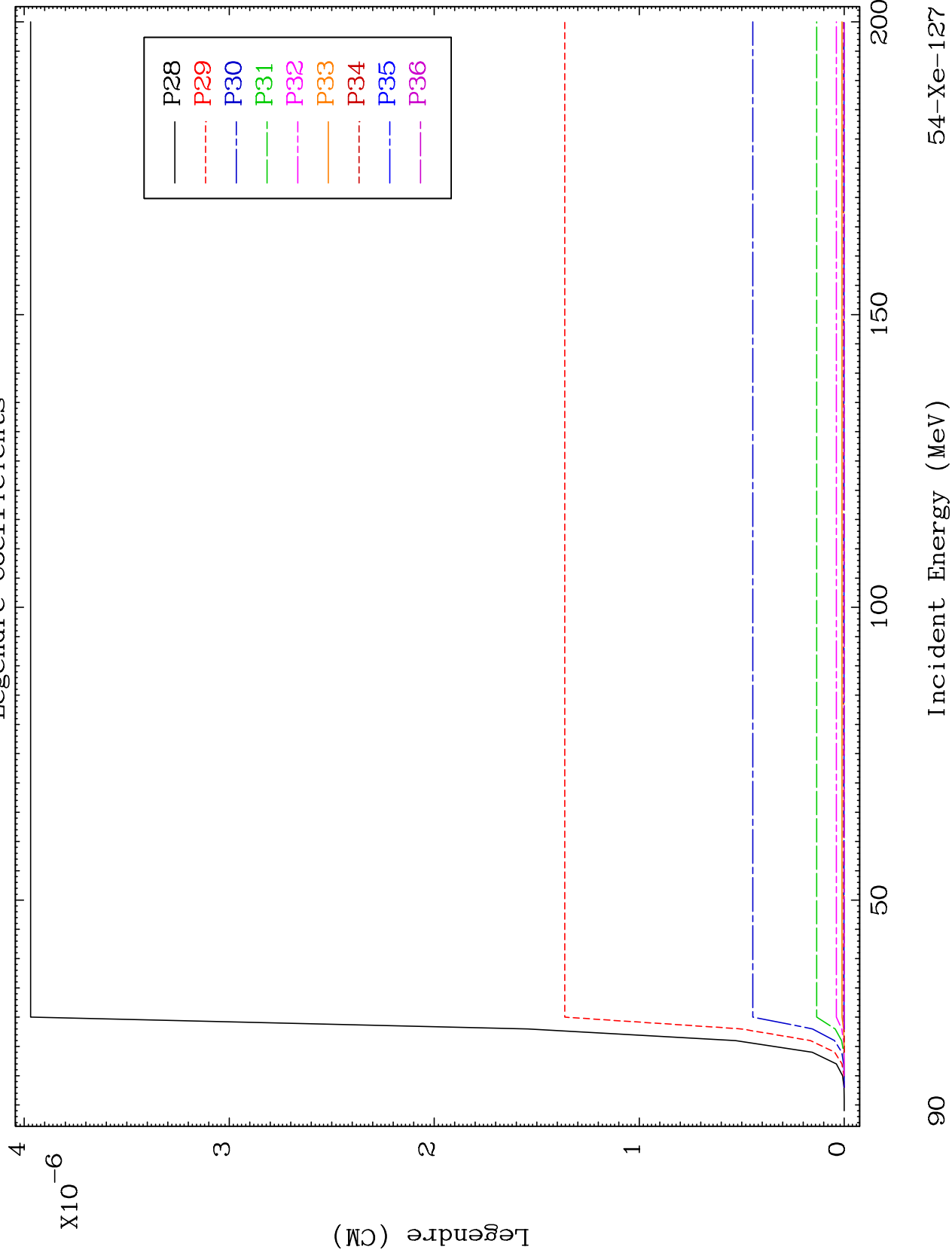
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

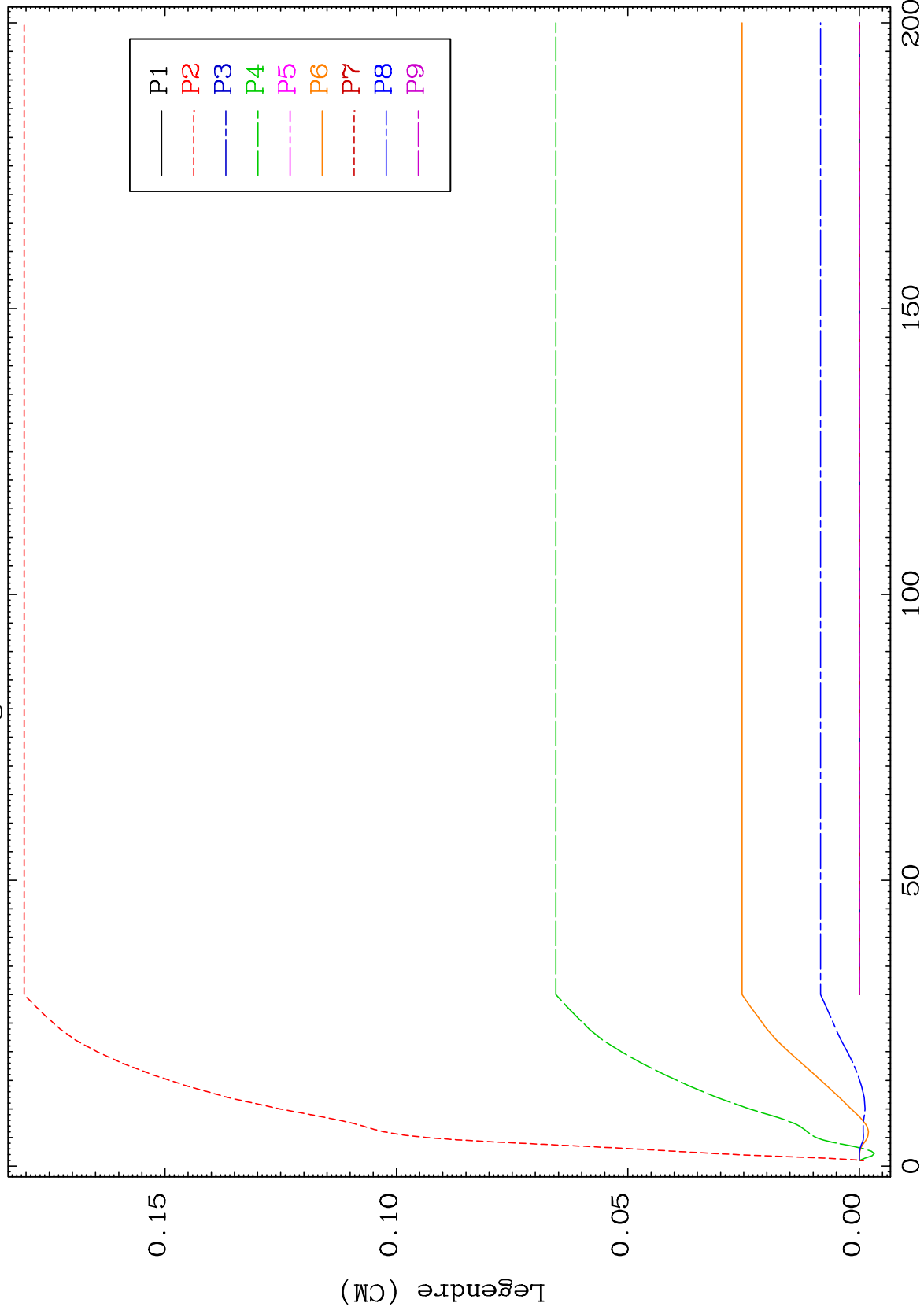
54-Xe-127



MAT 5434

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

54-Xe-127



91

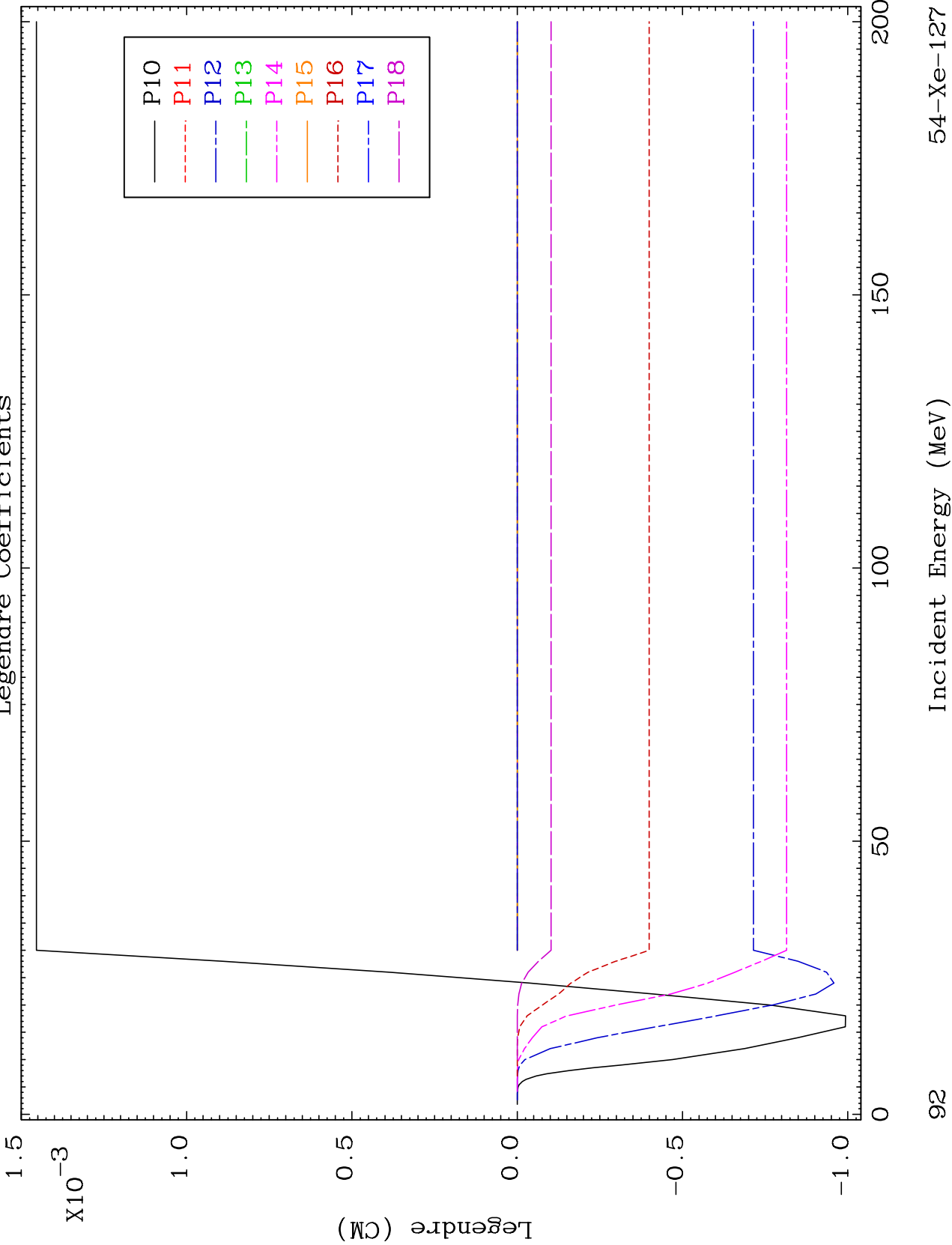
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



92

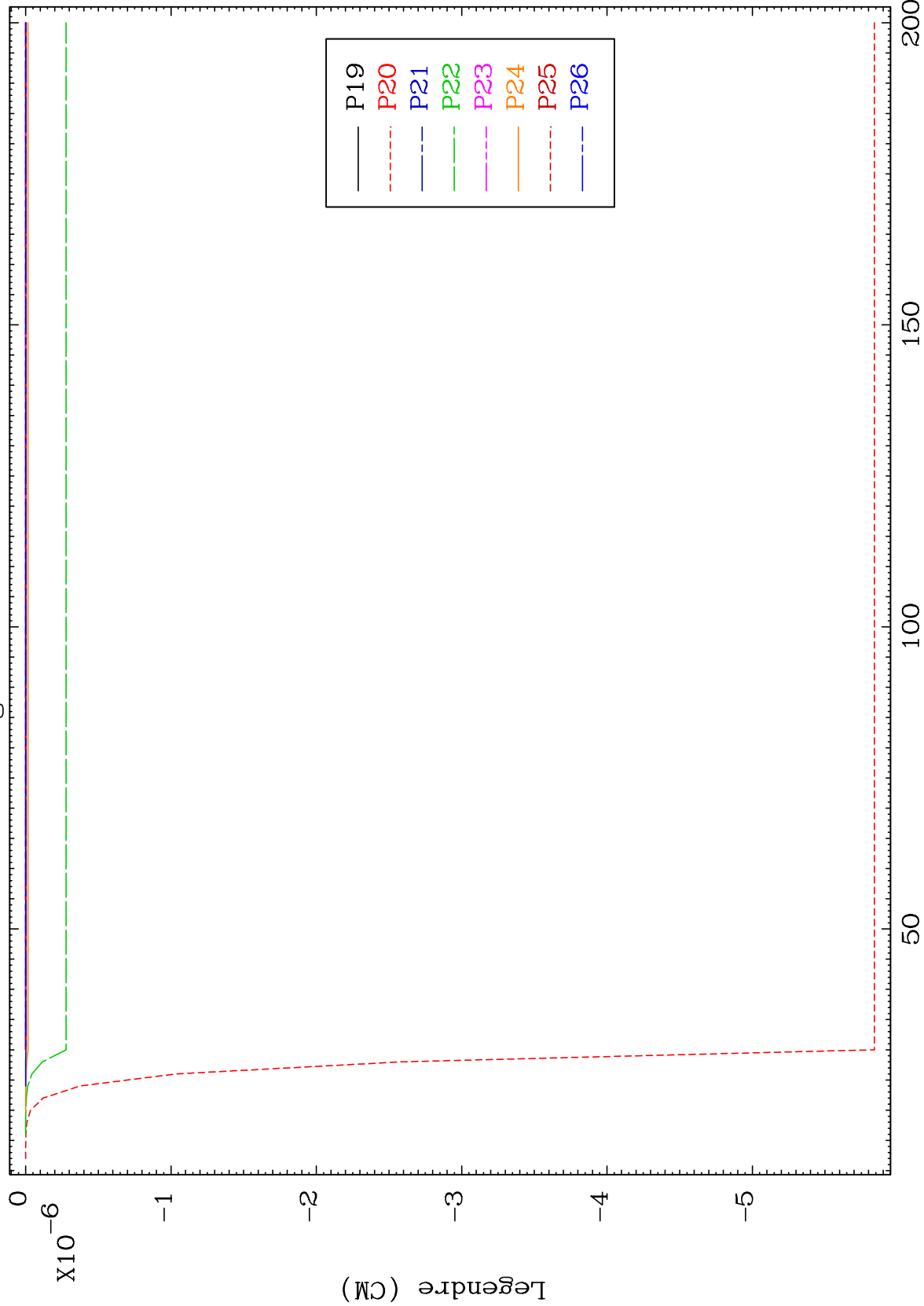
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



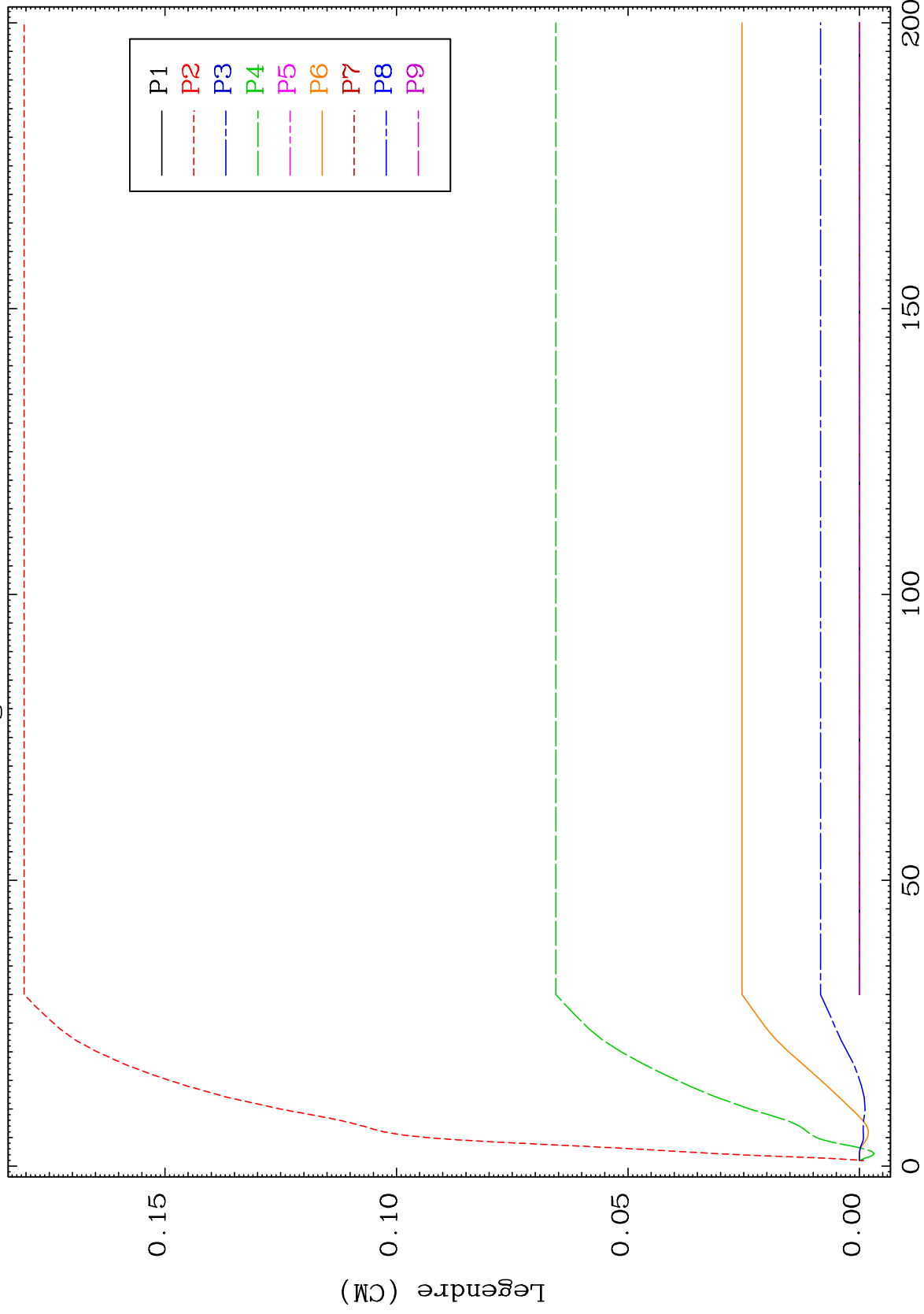
93

54-Xe-127

MAT 5434

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

54-Xe-127



94

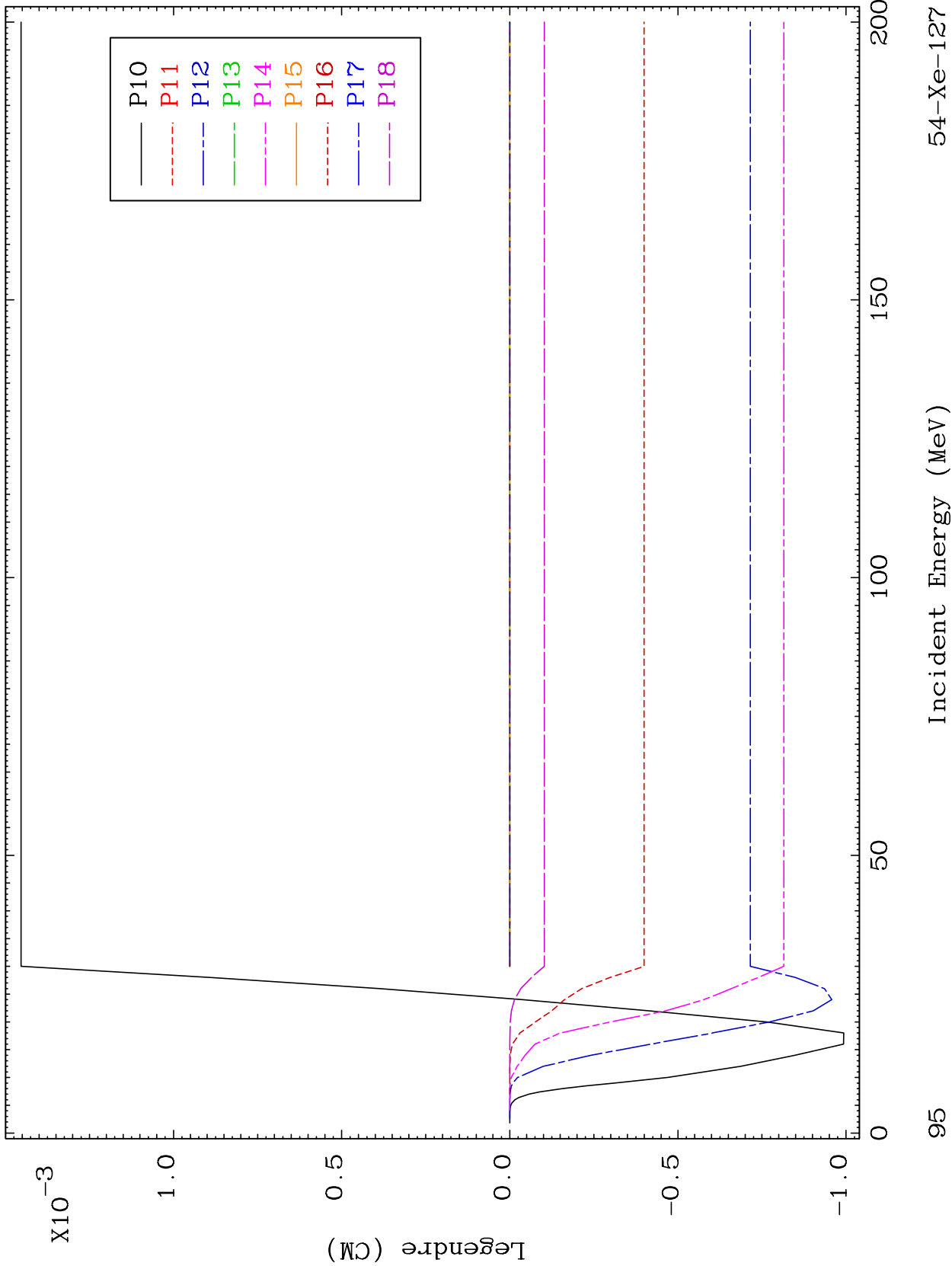
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



95

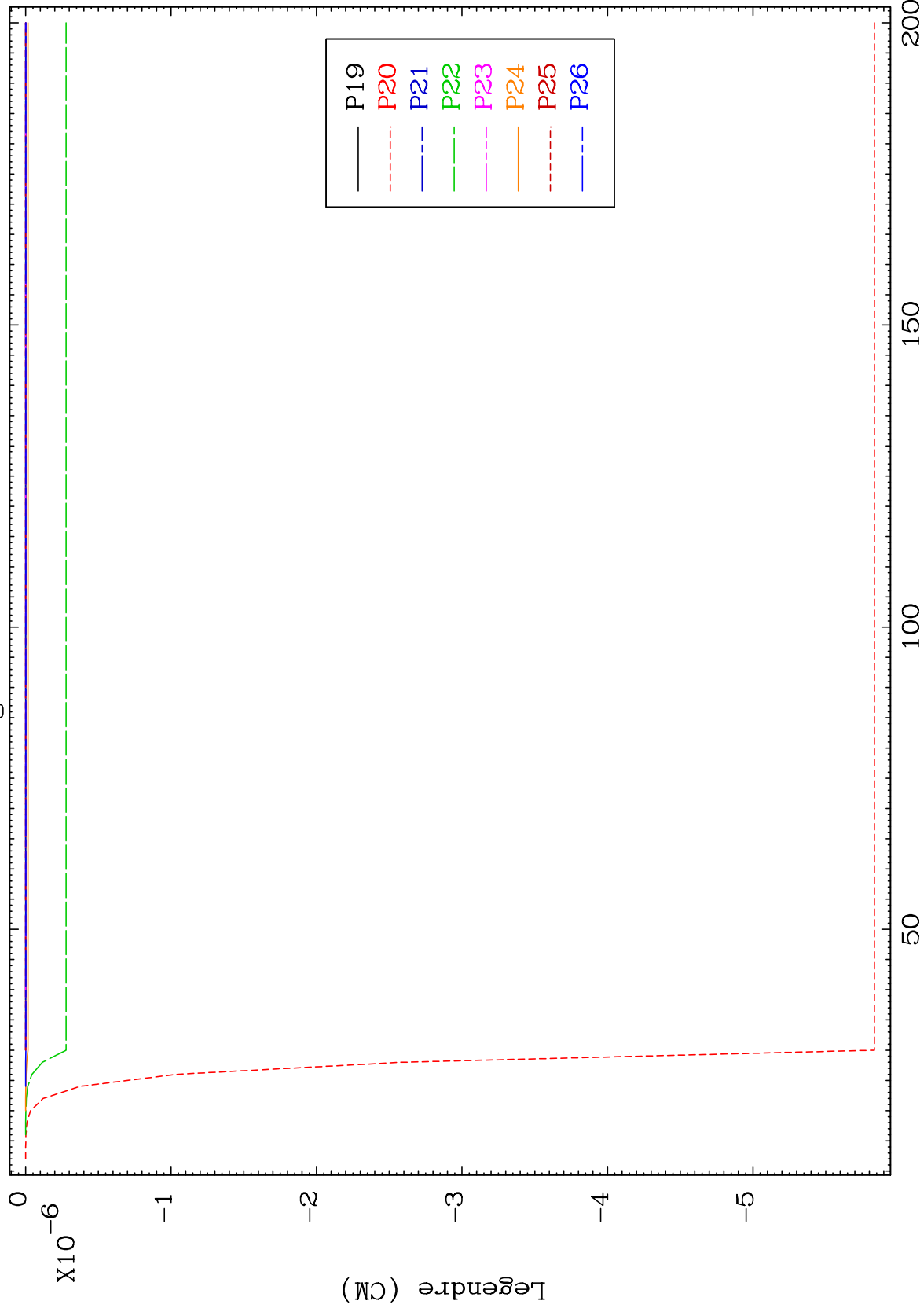
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



96

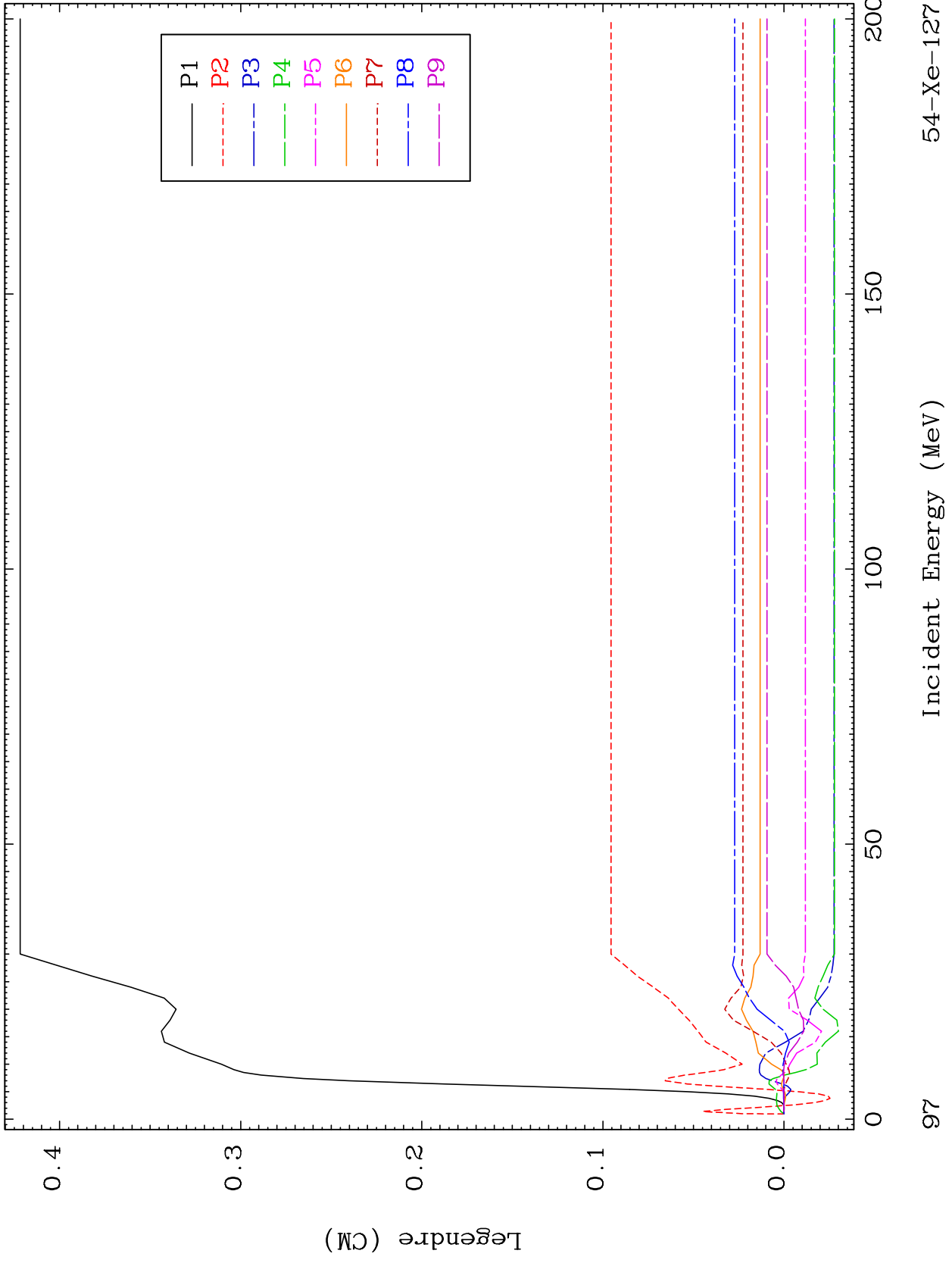
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



97

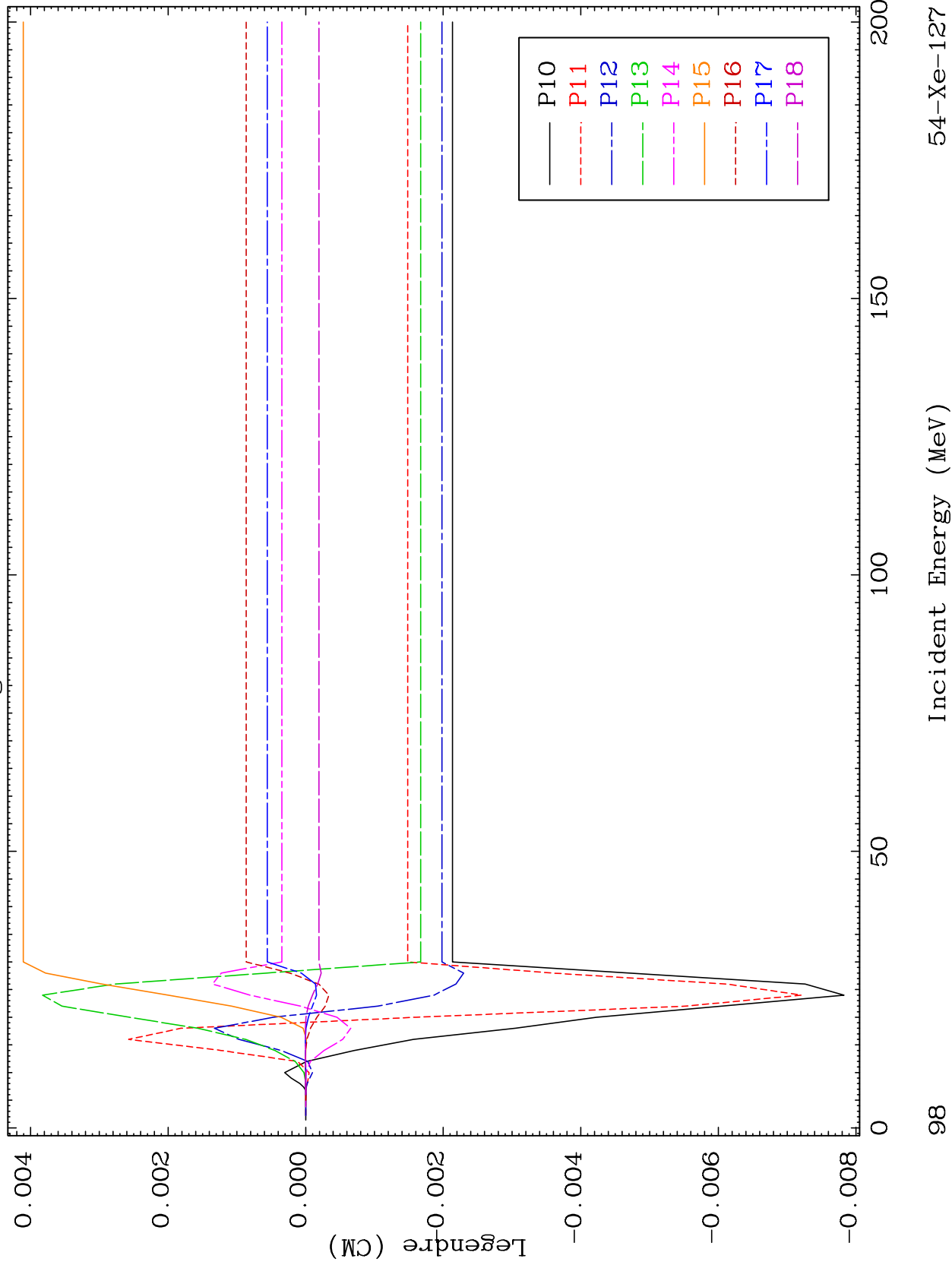
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

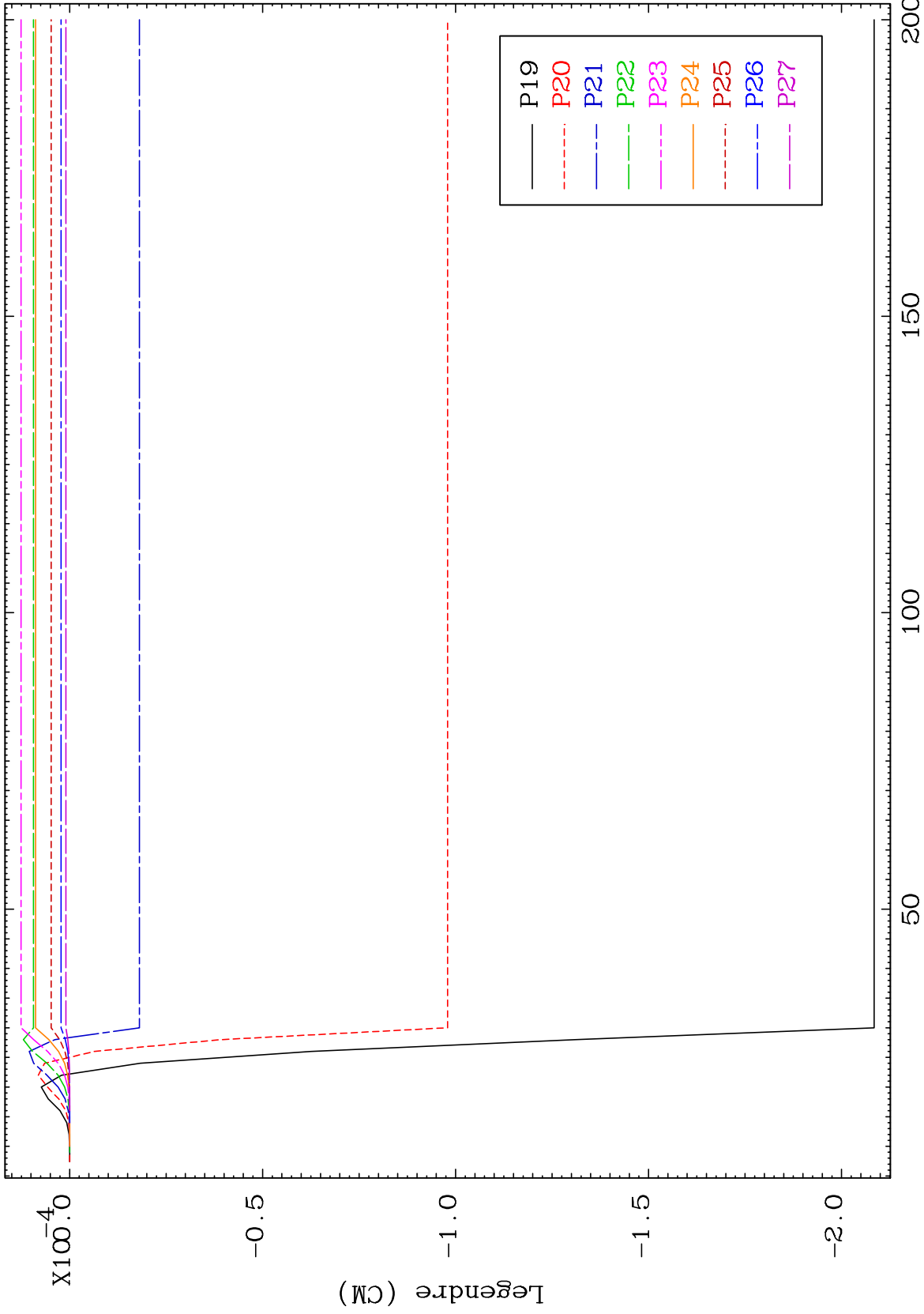
54-Xe-127



MAT 5434

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

54-Xe-127



99

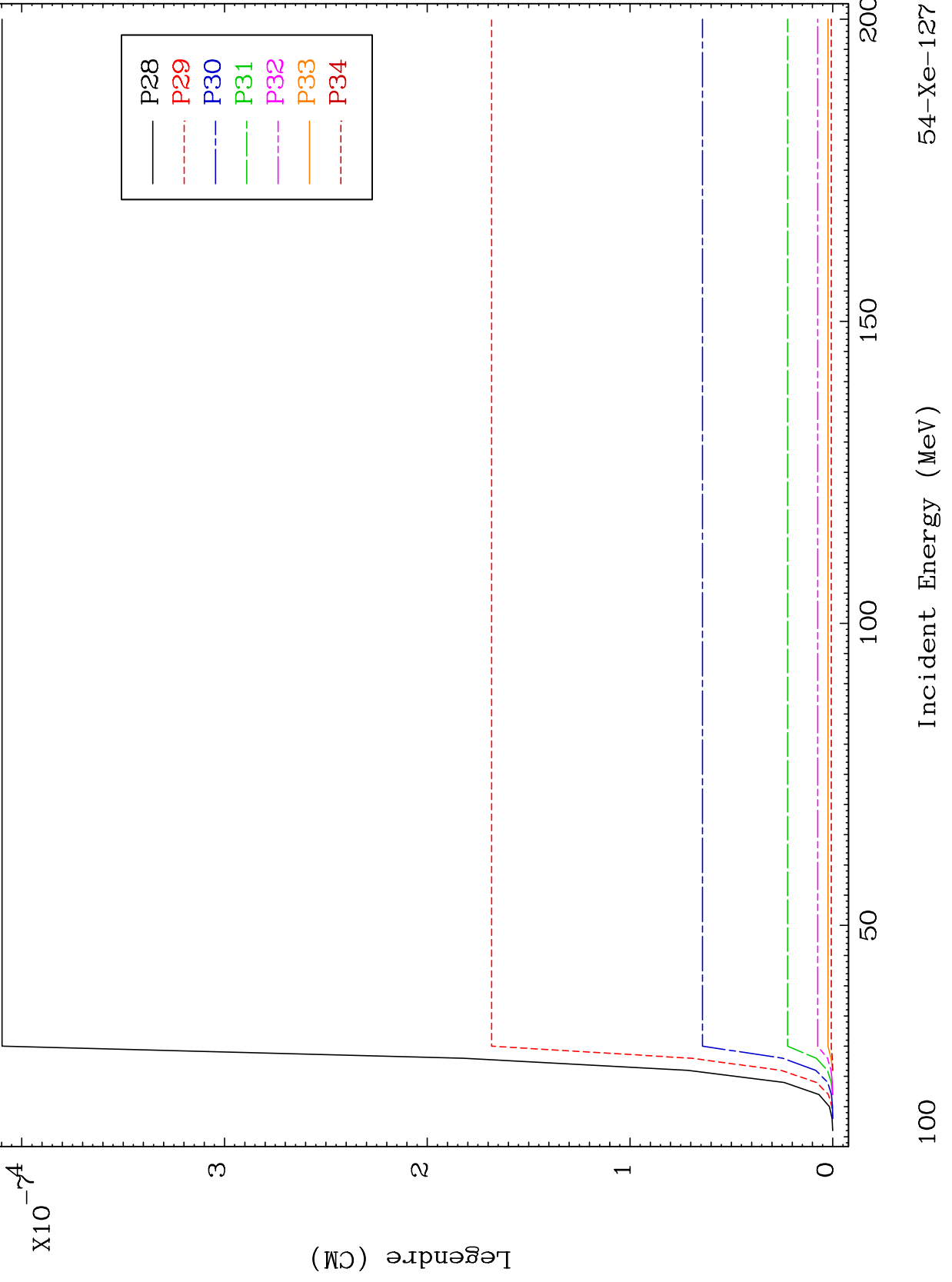
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

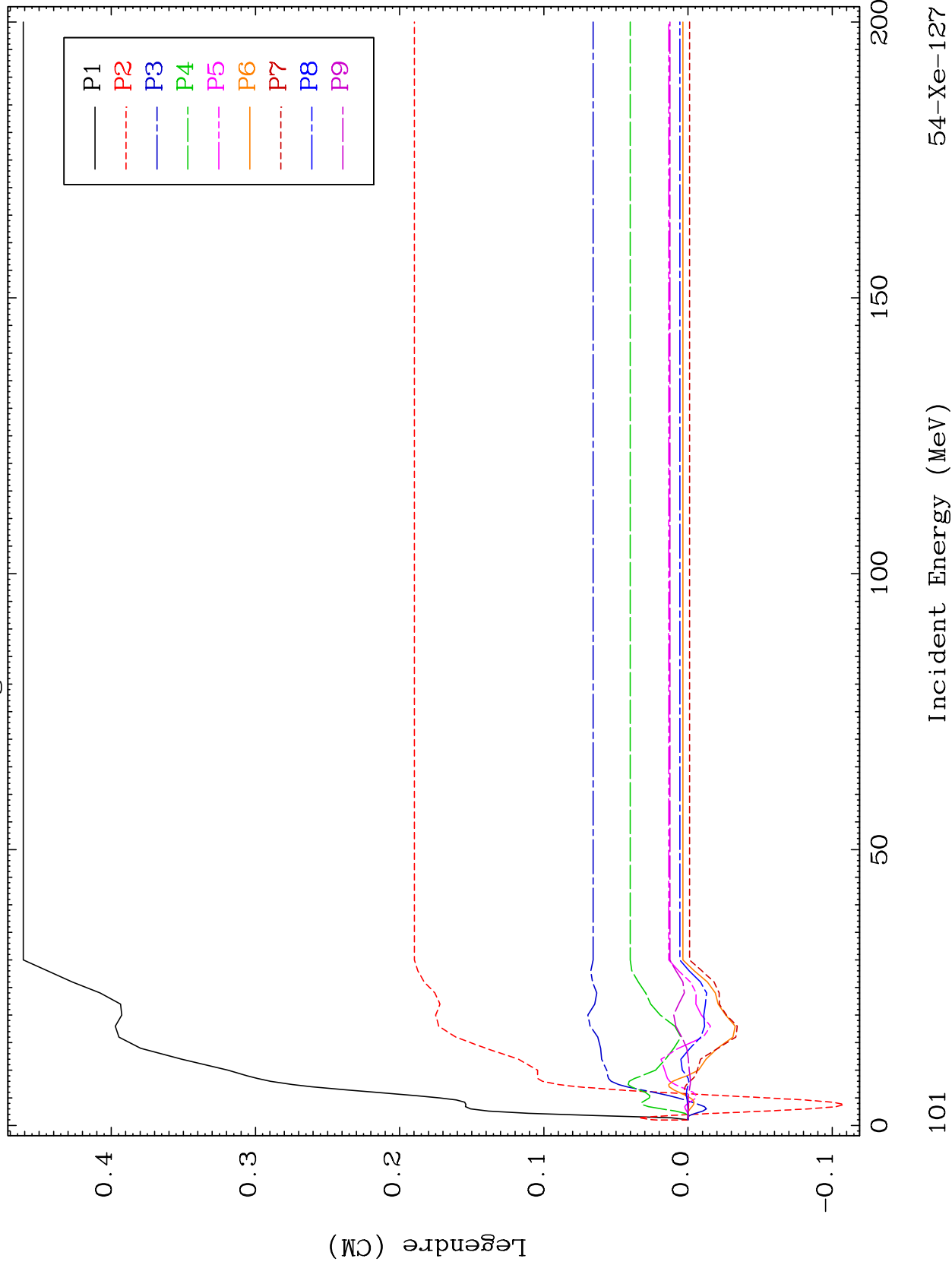
54-Xe-127



MAT 5434

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

54-Xe-127



54-Xe-127

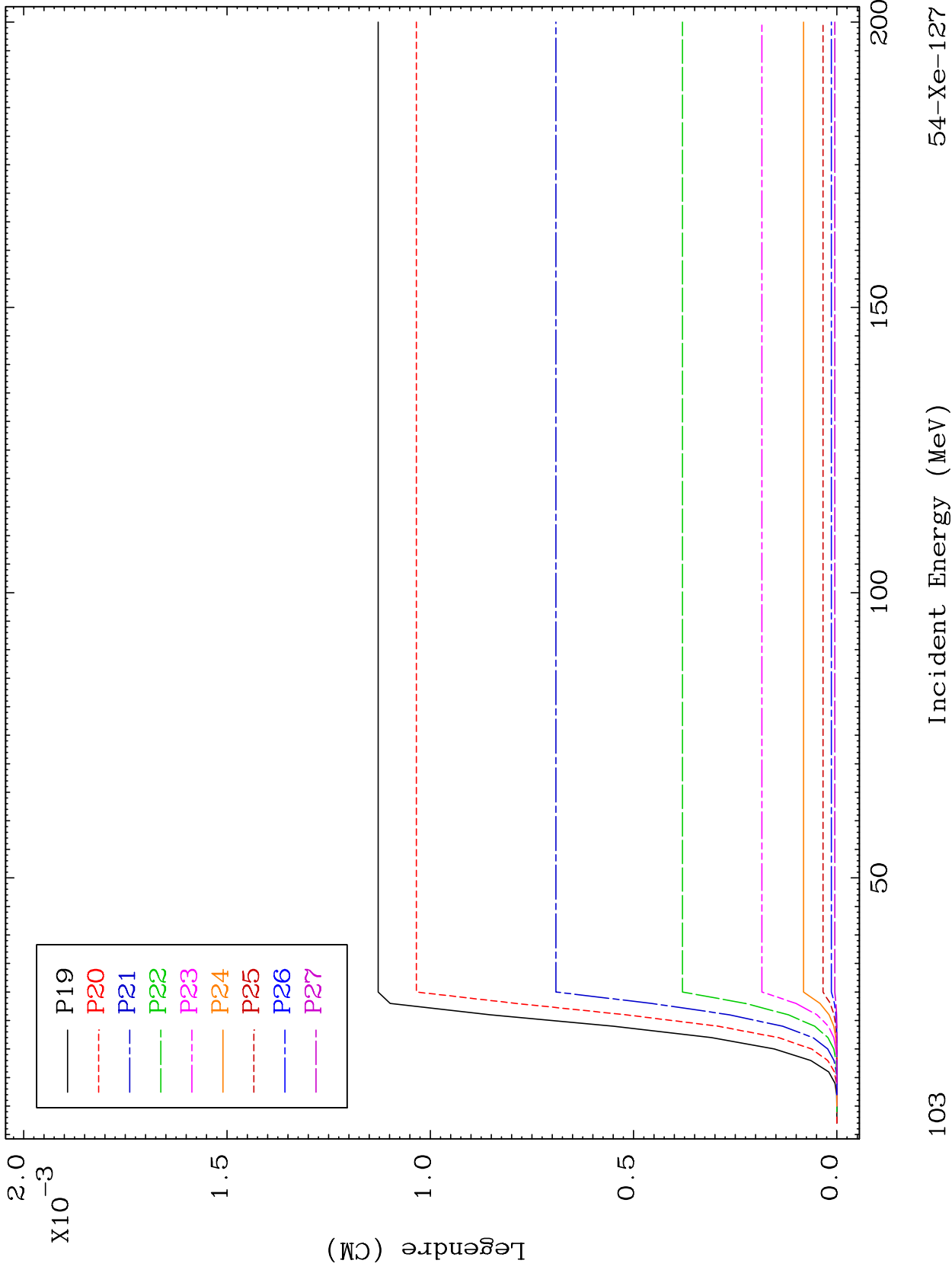
Incident Energy (MeV)

101

MAT 5434

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

54-Xe-127

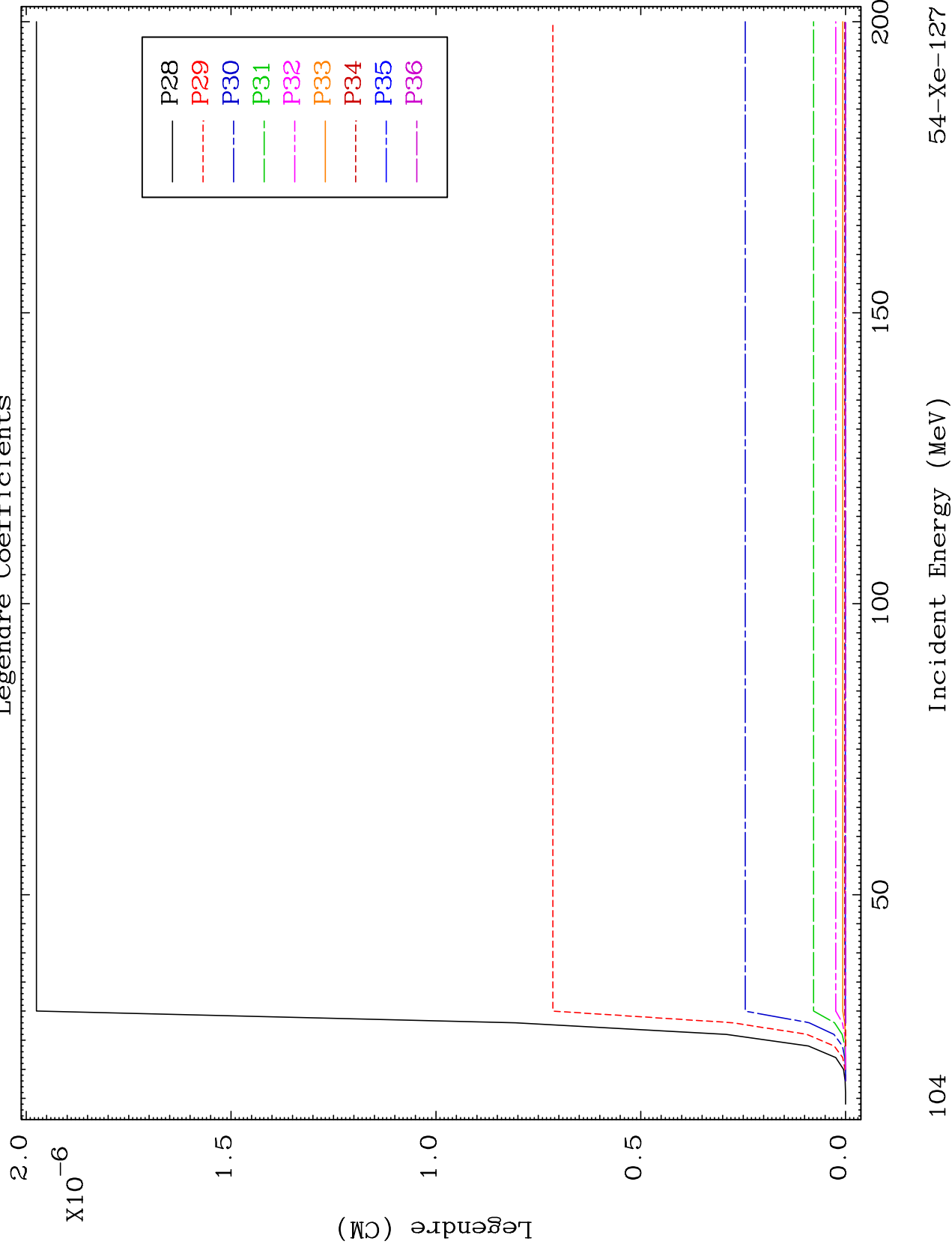


103

MAT 5434

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

54-Xe-127



104

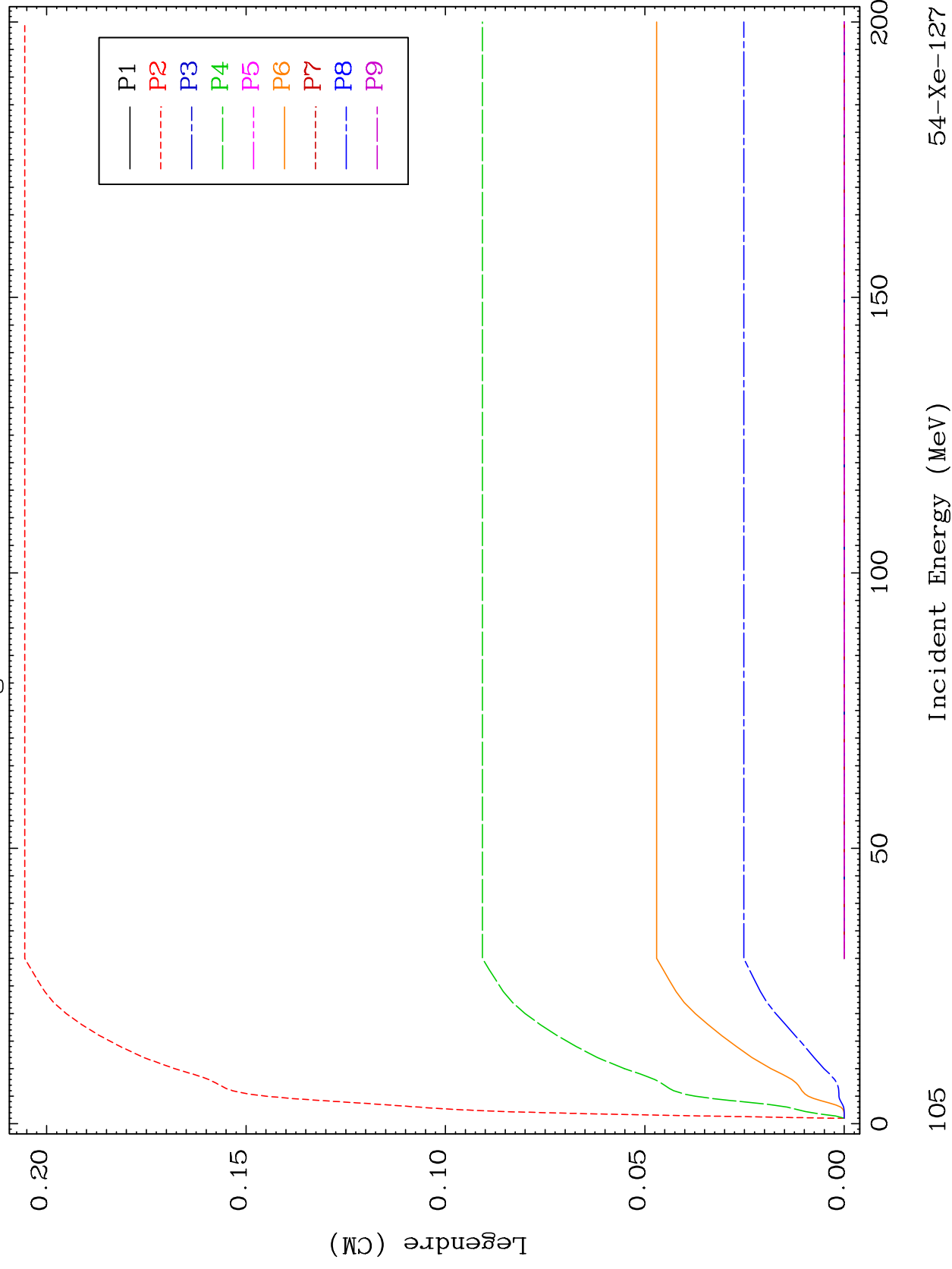
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



54-Xe-127

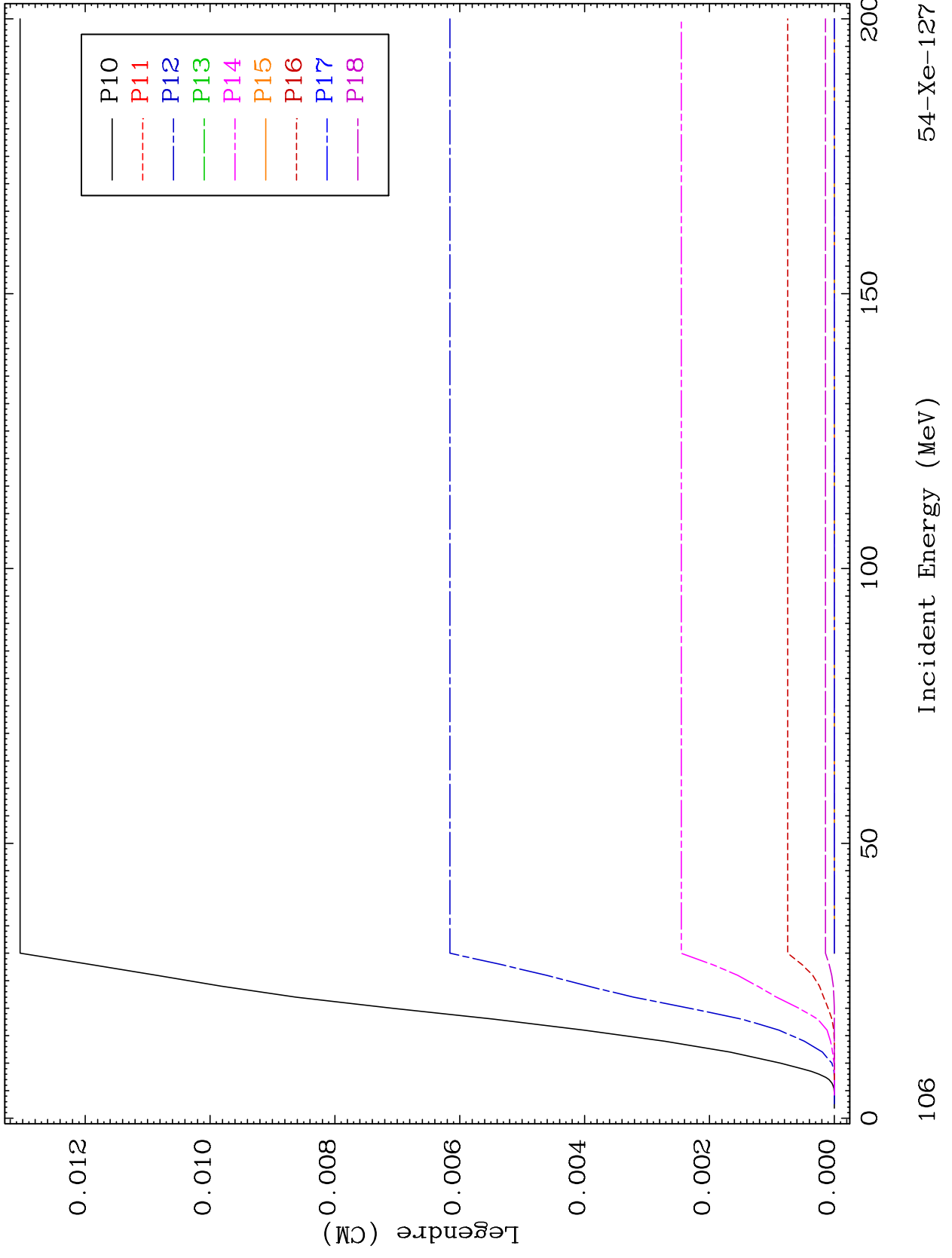
Incident Energy (MeV)

0

MAT 5434

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

54-Xe-127



106

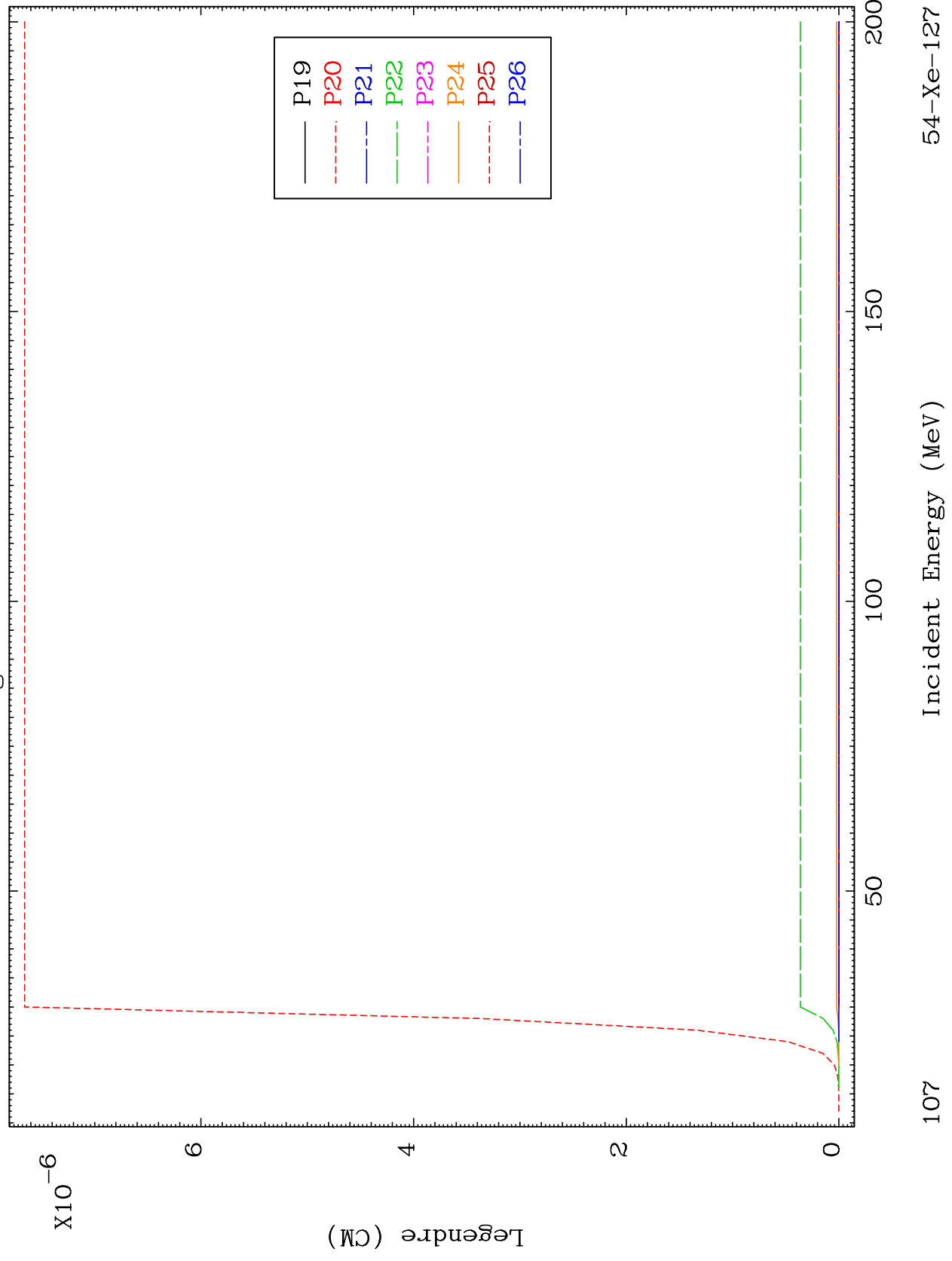
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

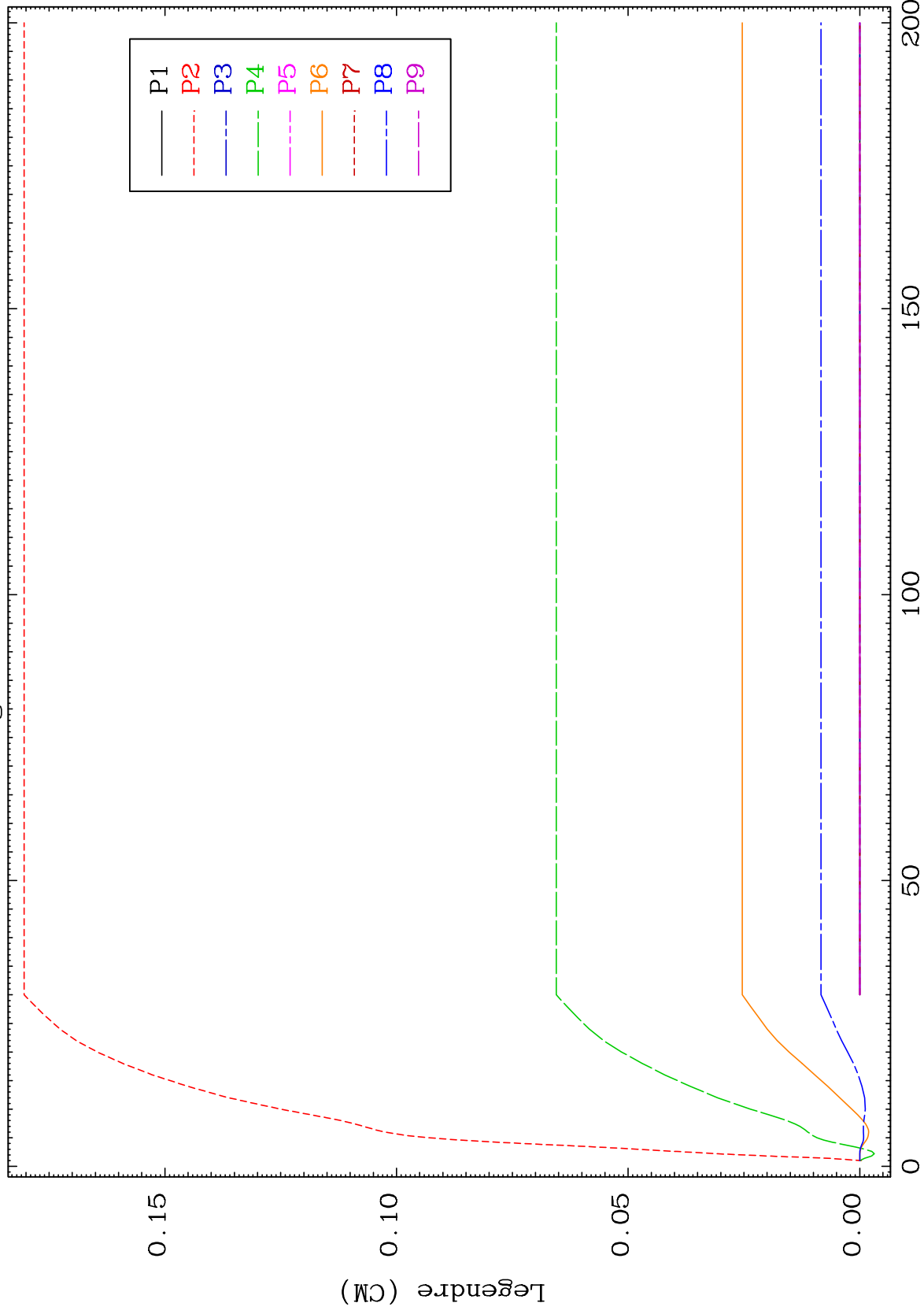
54-Xe-127



MAT 5434

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

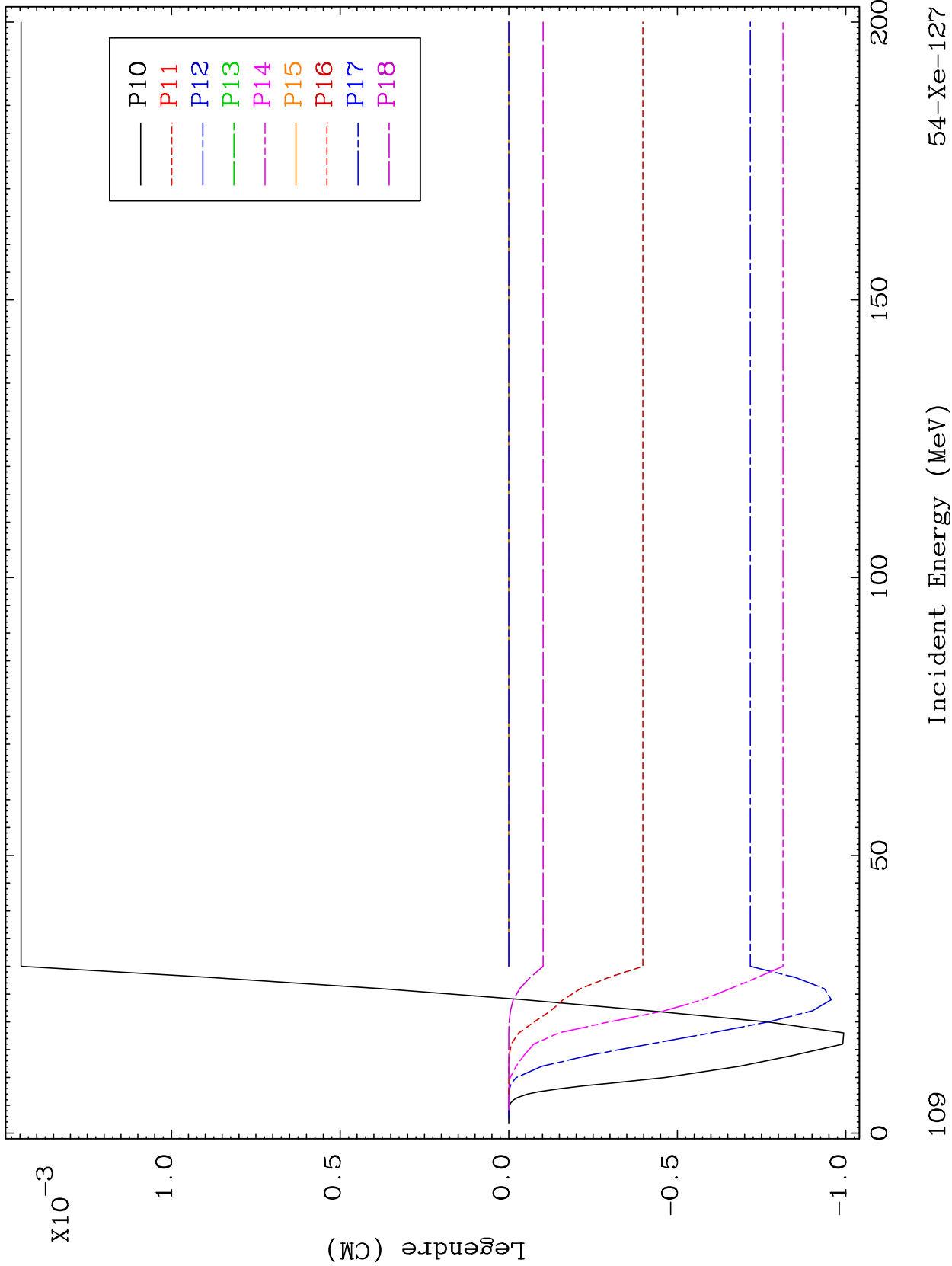
54-Xe-127

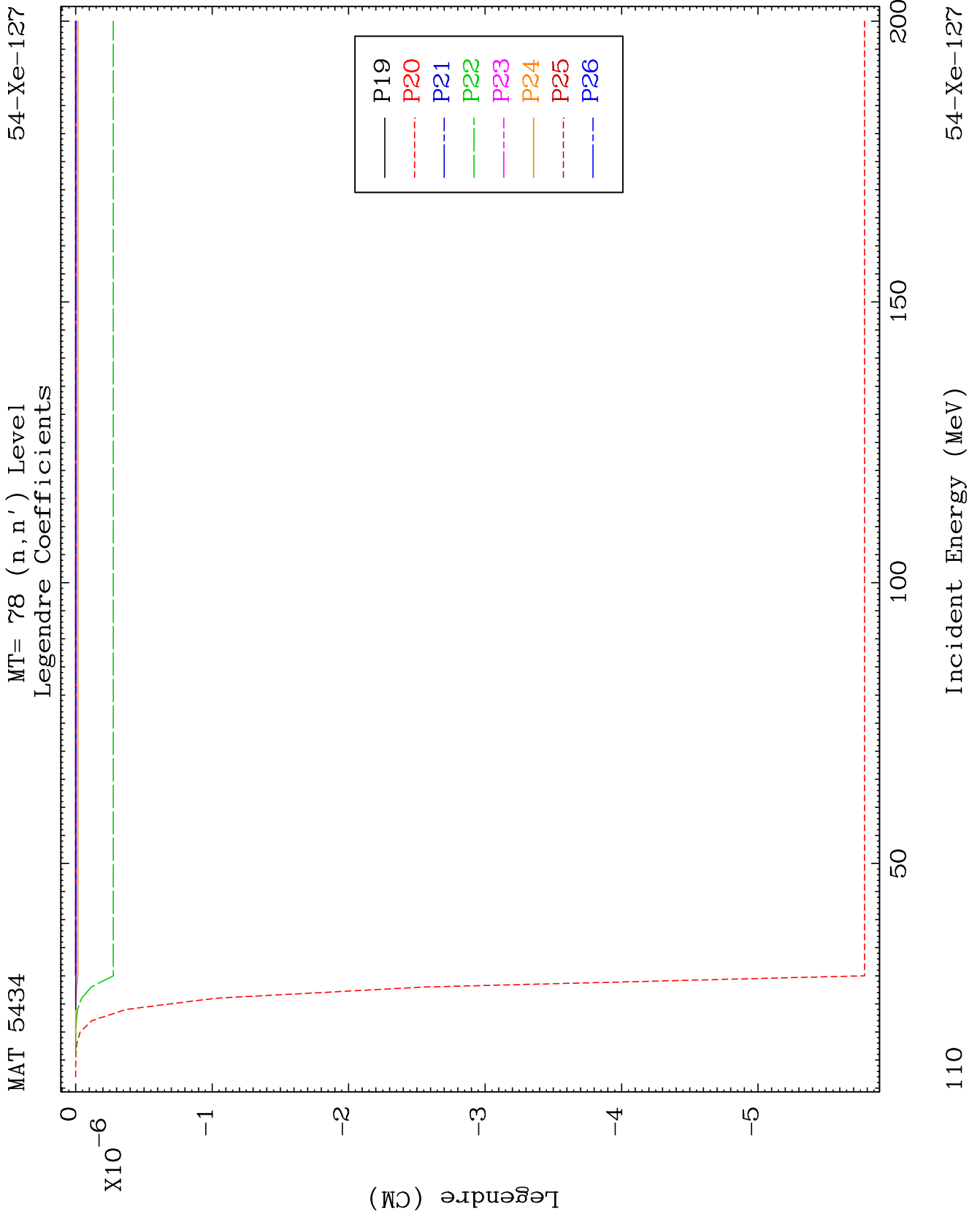


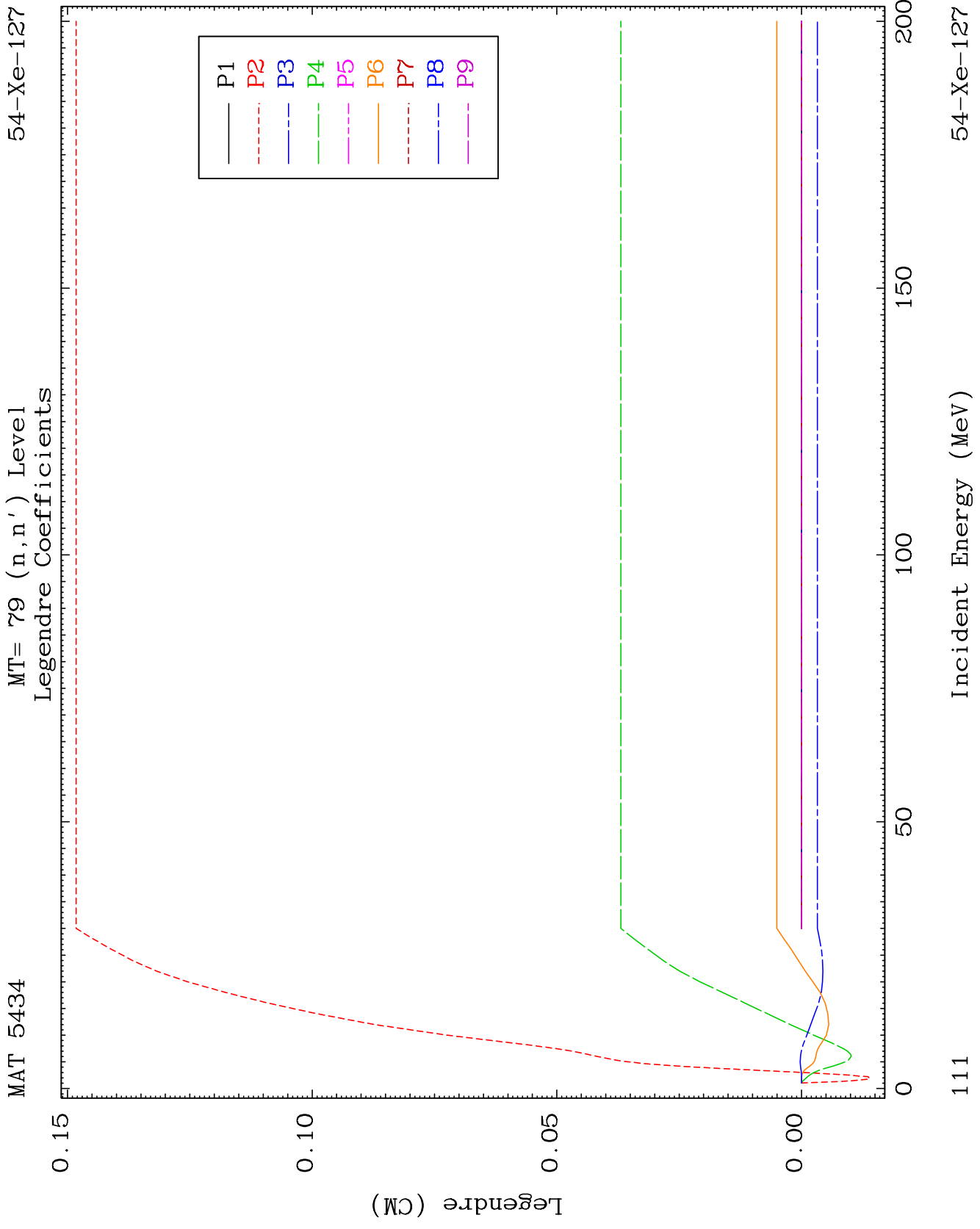
54-Xe-127

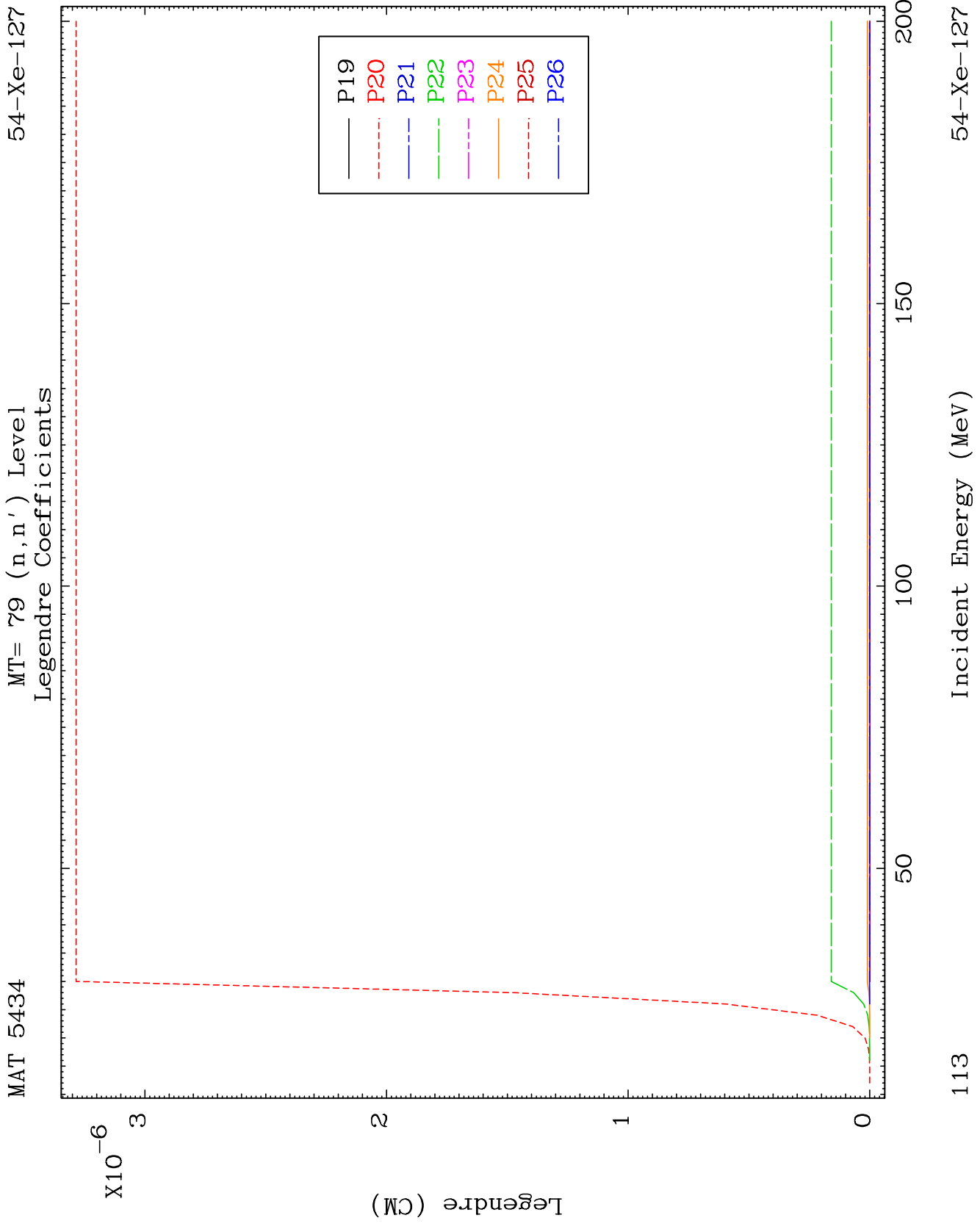
Incident Energy (MeV)

108









54-Xe-127

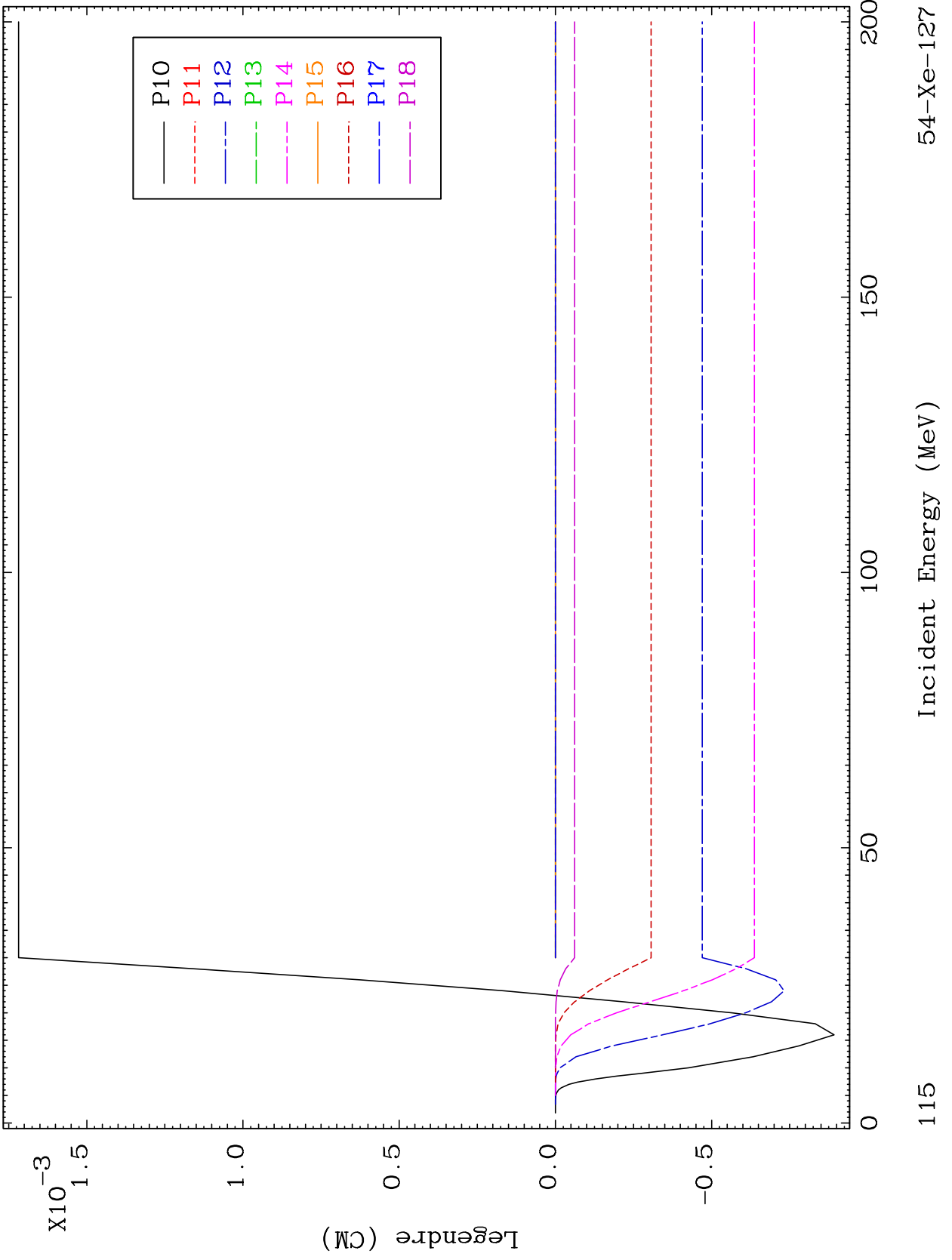
Incident Energy (MeV)

113

MAT 5434

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

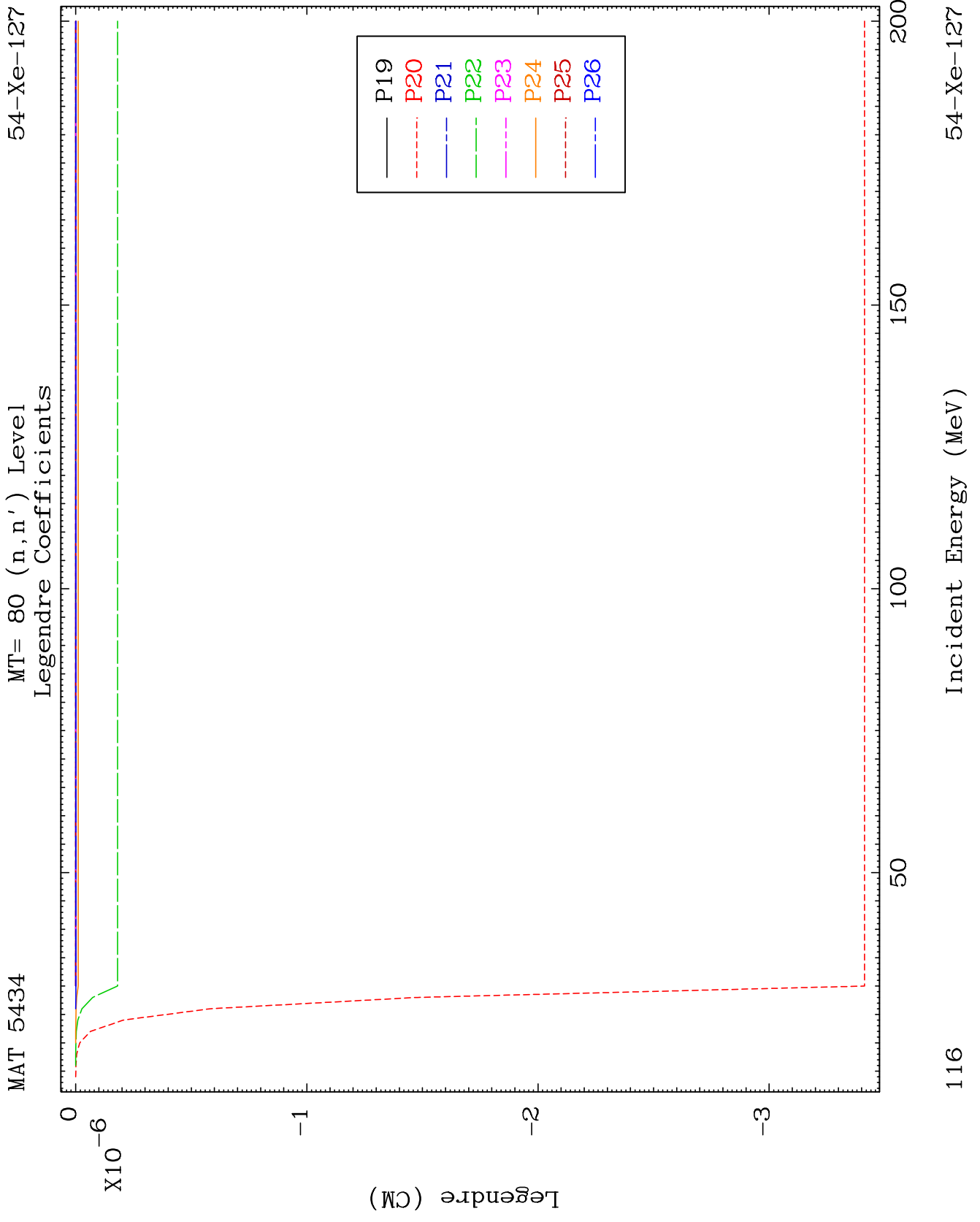
54-Xe-127



115

Incident Energy (MeV)

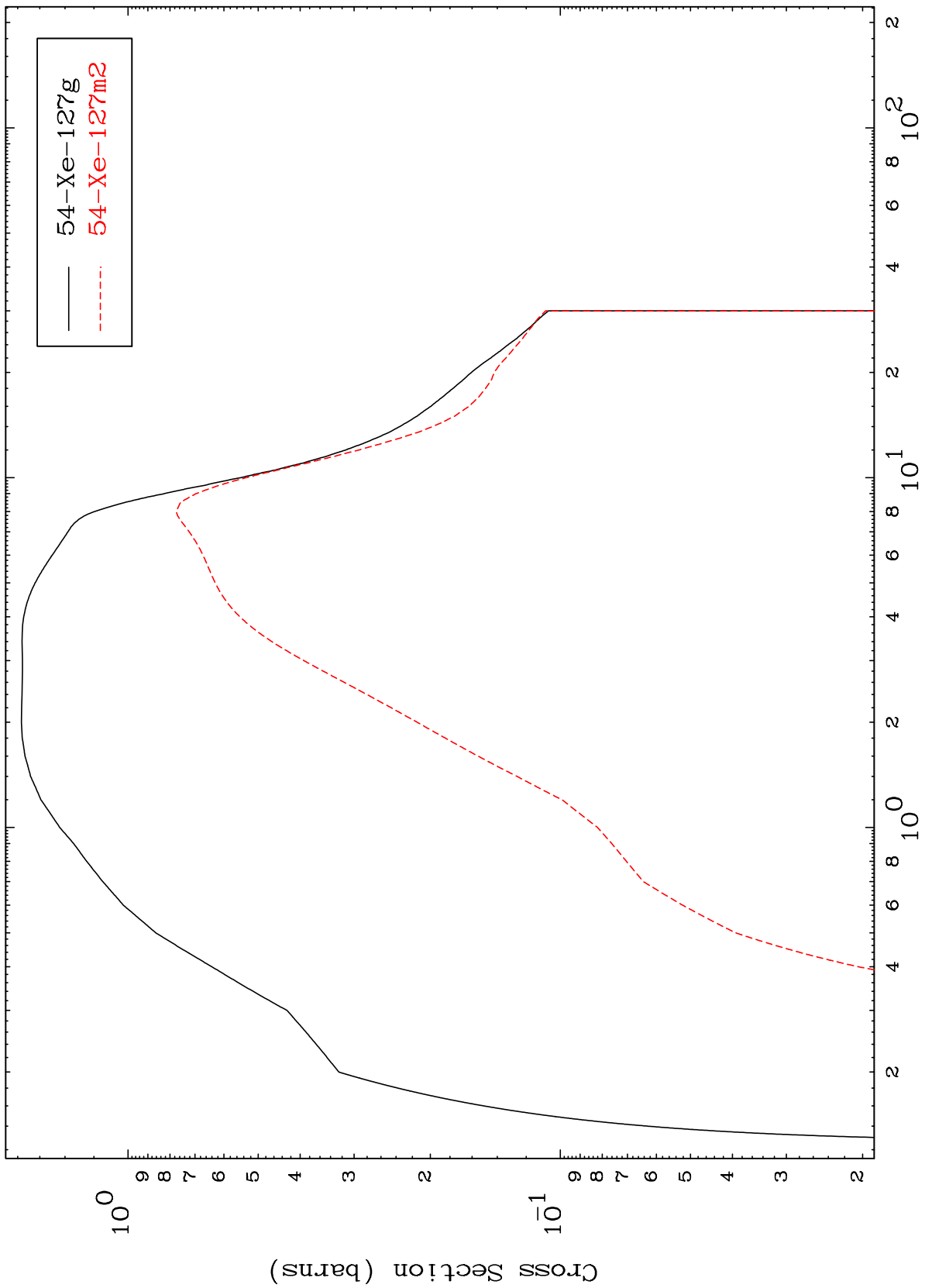
54-Xe-127



MAT 5434

54-Xe-127

Inelastic
Radionuclide Production Cross Section



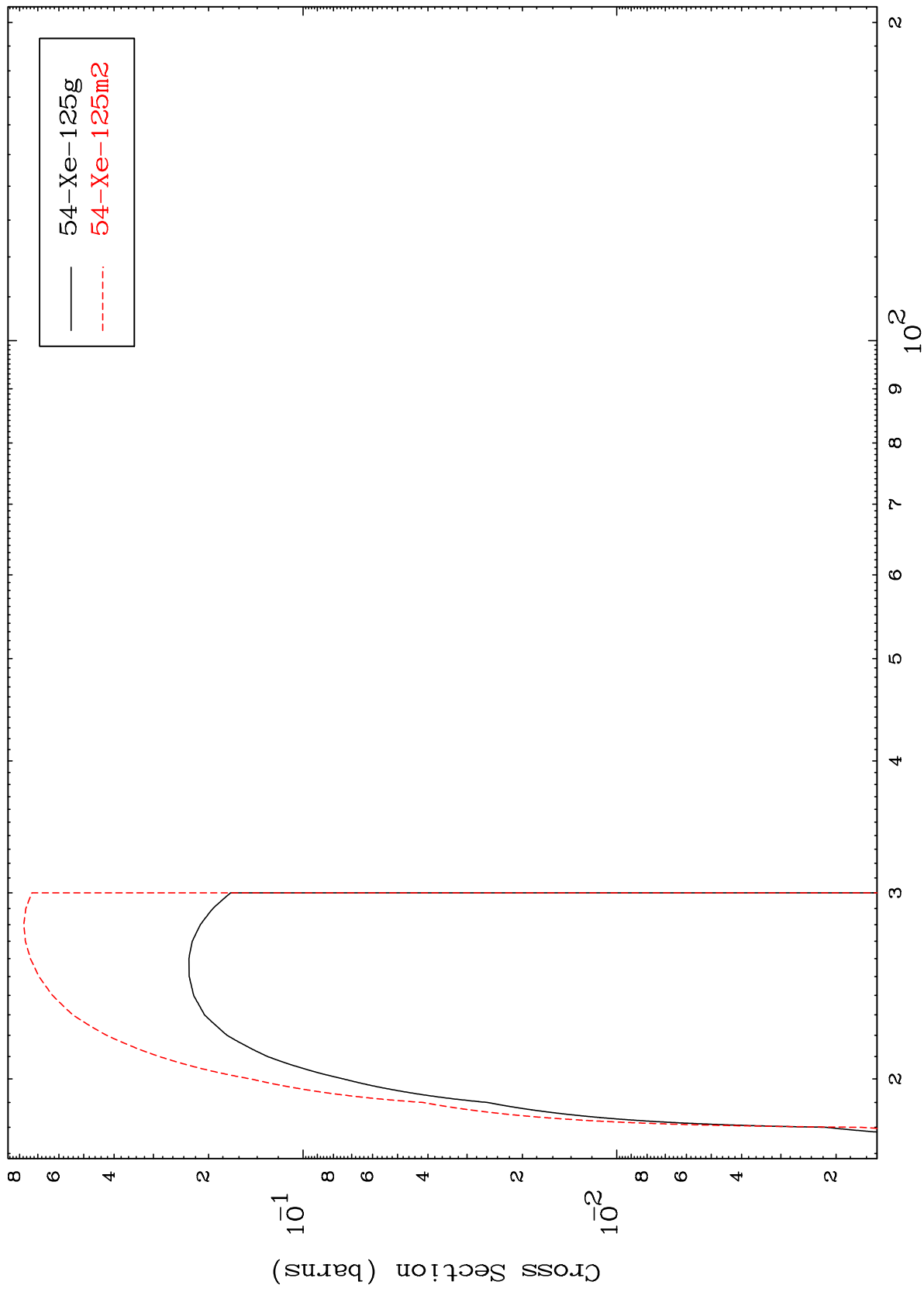
117

54-Xe-127

MAT 5434

54-Xe-127

(n,3n)
Radionuclide Production Cross Section



118

Incident Energy (MeV)

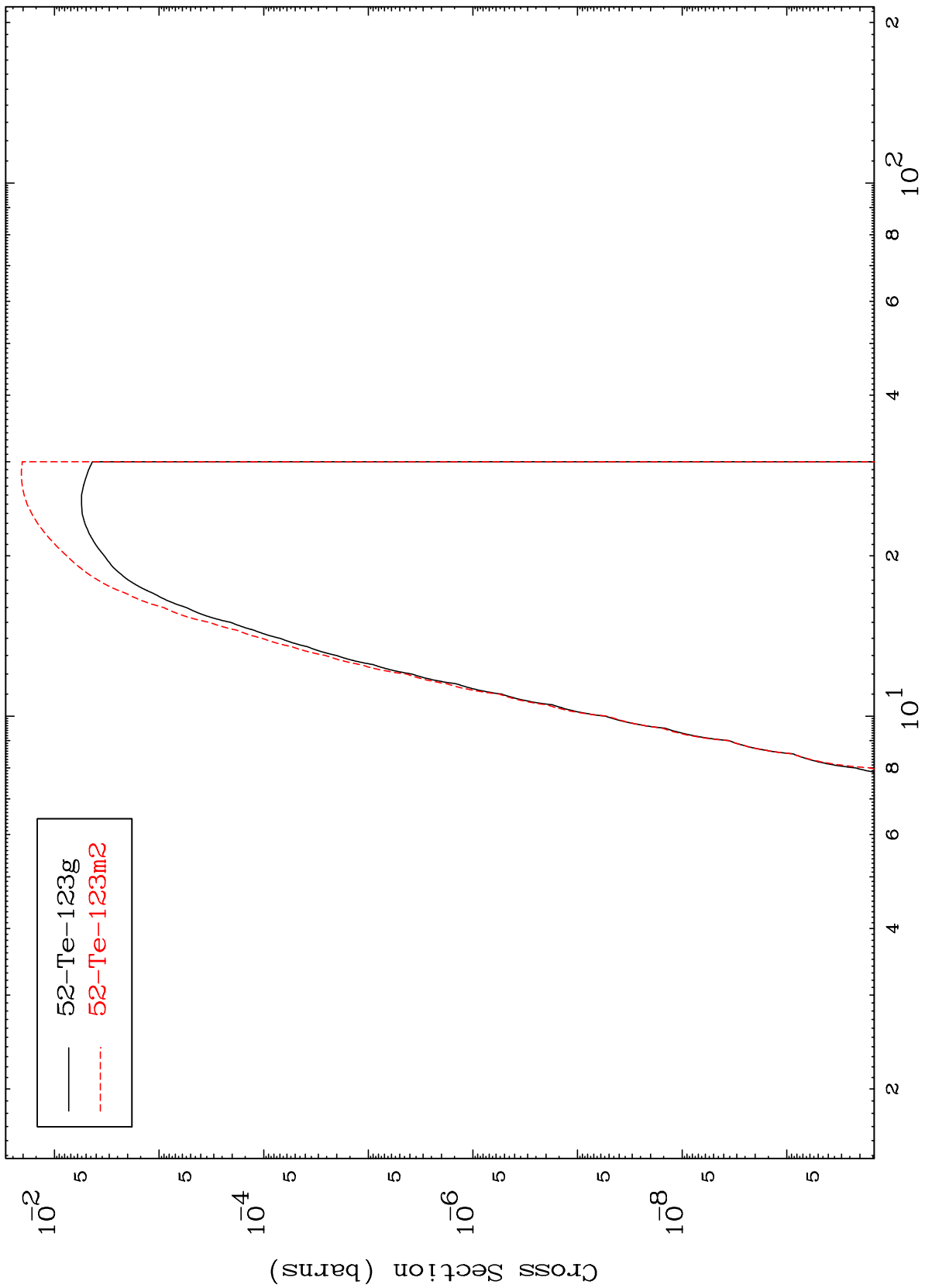
54-Xe-127

MAT 5434

(n,n') α

54-Xe-127

Radionuclide Production Cross Section



119

Incident Energy (MeV)

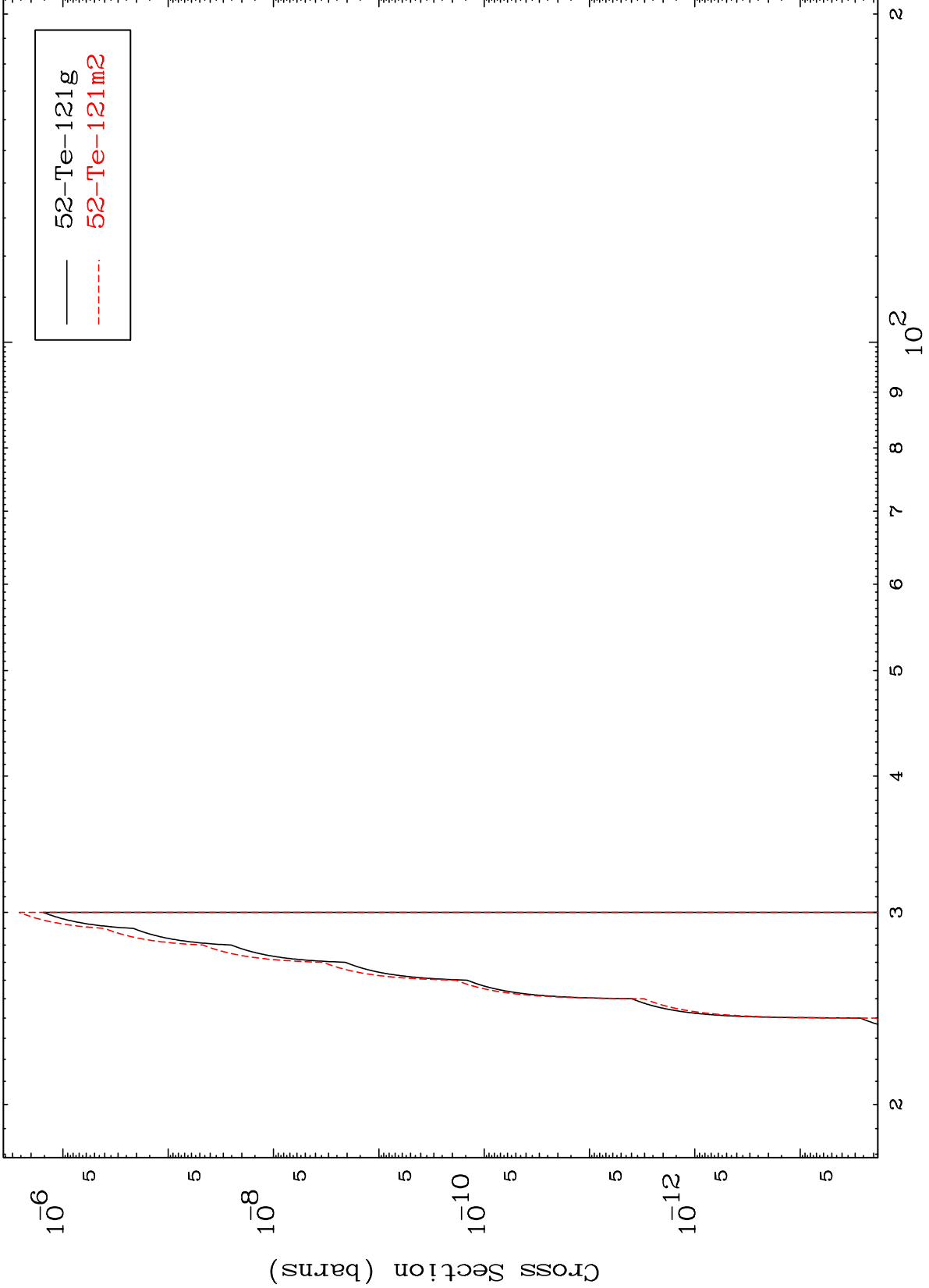
54-Xe-127

MAT 5434

(n,3n) α

54-Xe-127

Radionuclide Production Cross Section



120

Incident Energy (MeV)

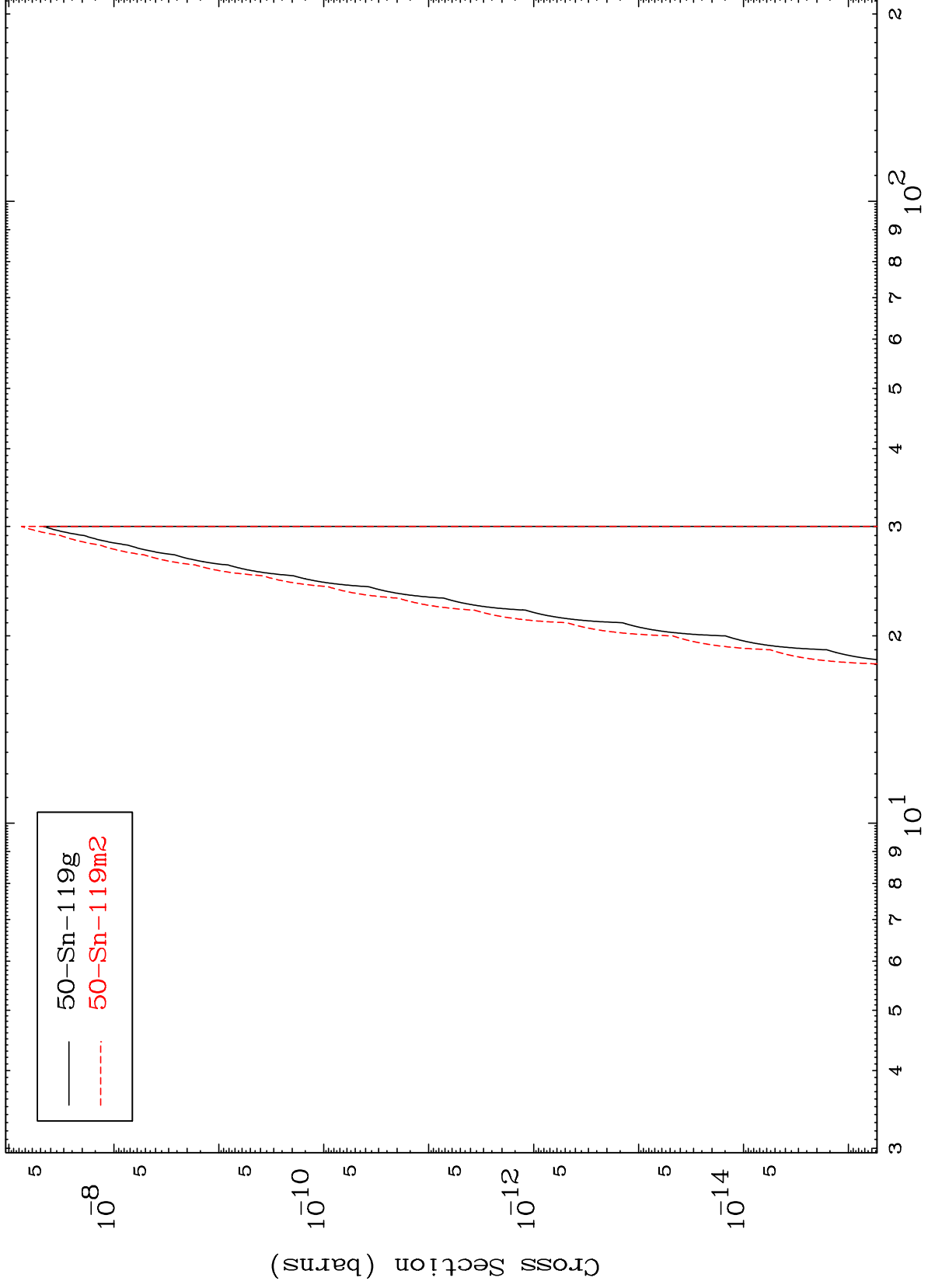
54-Xe-127

MAT 5434

(n,n') 2α

54-Xe-127

Radionuclide Production Cross Section

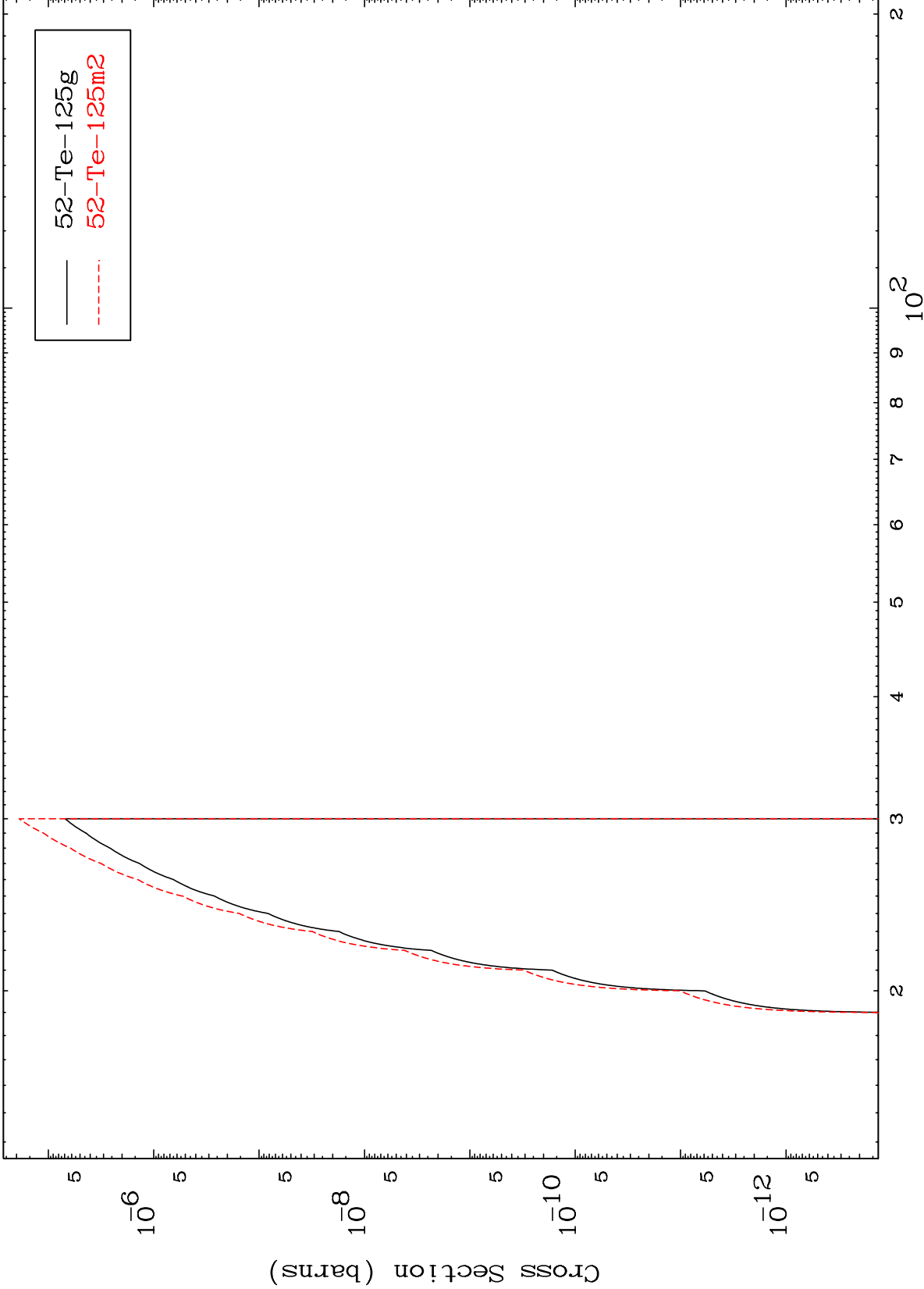


121

Incident Energy (MeV)

54-Xe-127

Radionuclide Production Cross Section



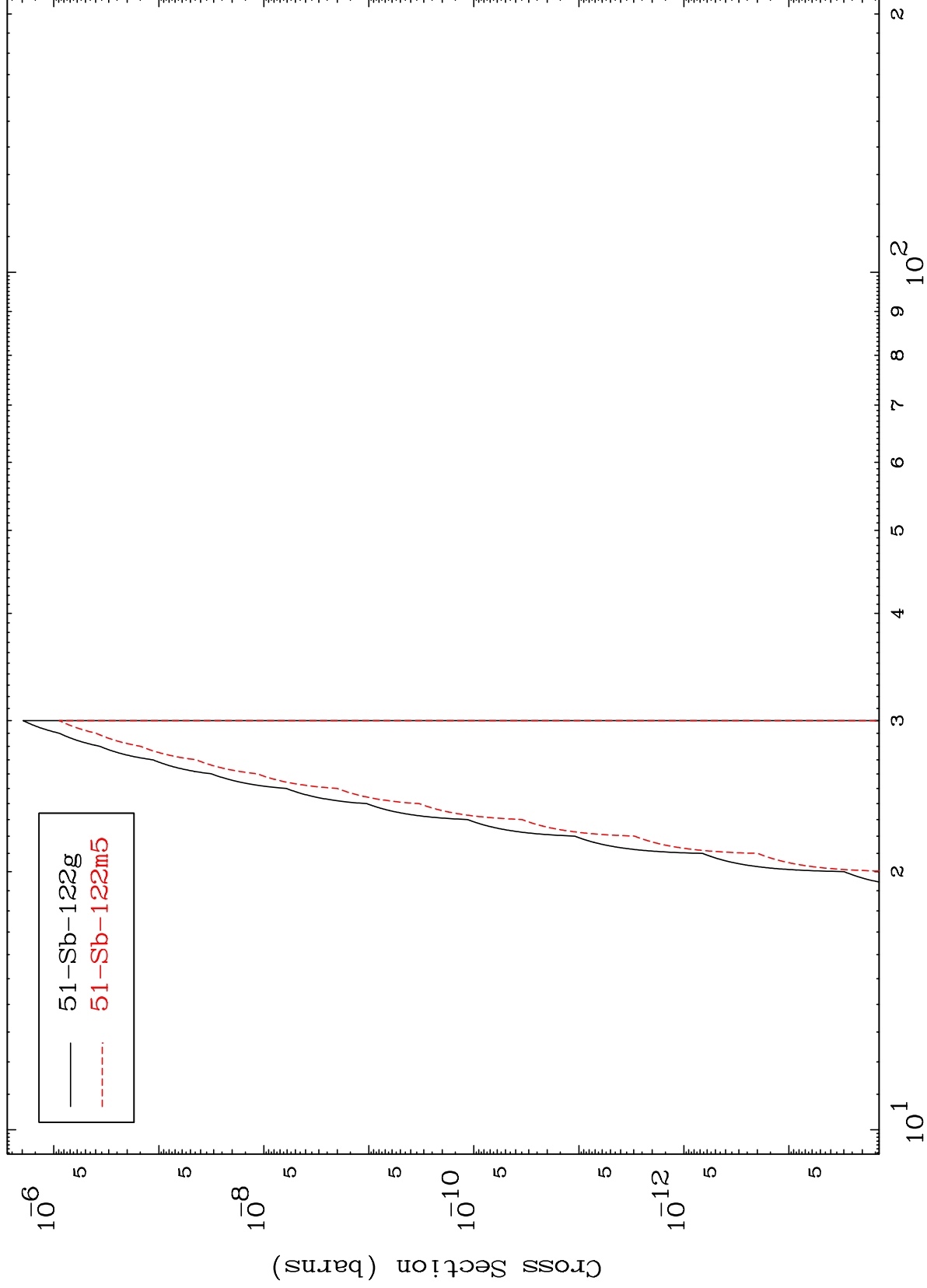
52-Te-125g
52-Te-125m2

MAT 5434

(n,n') p α

54-Xe-127

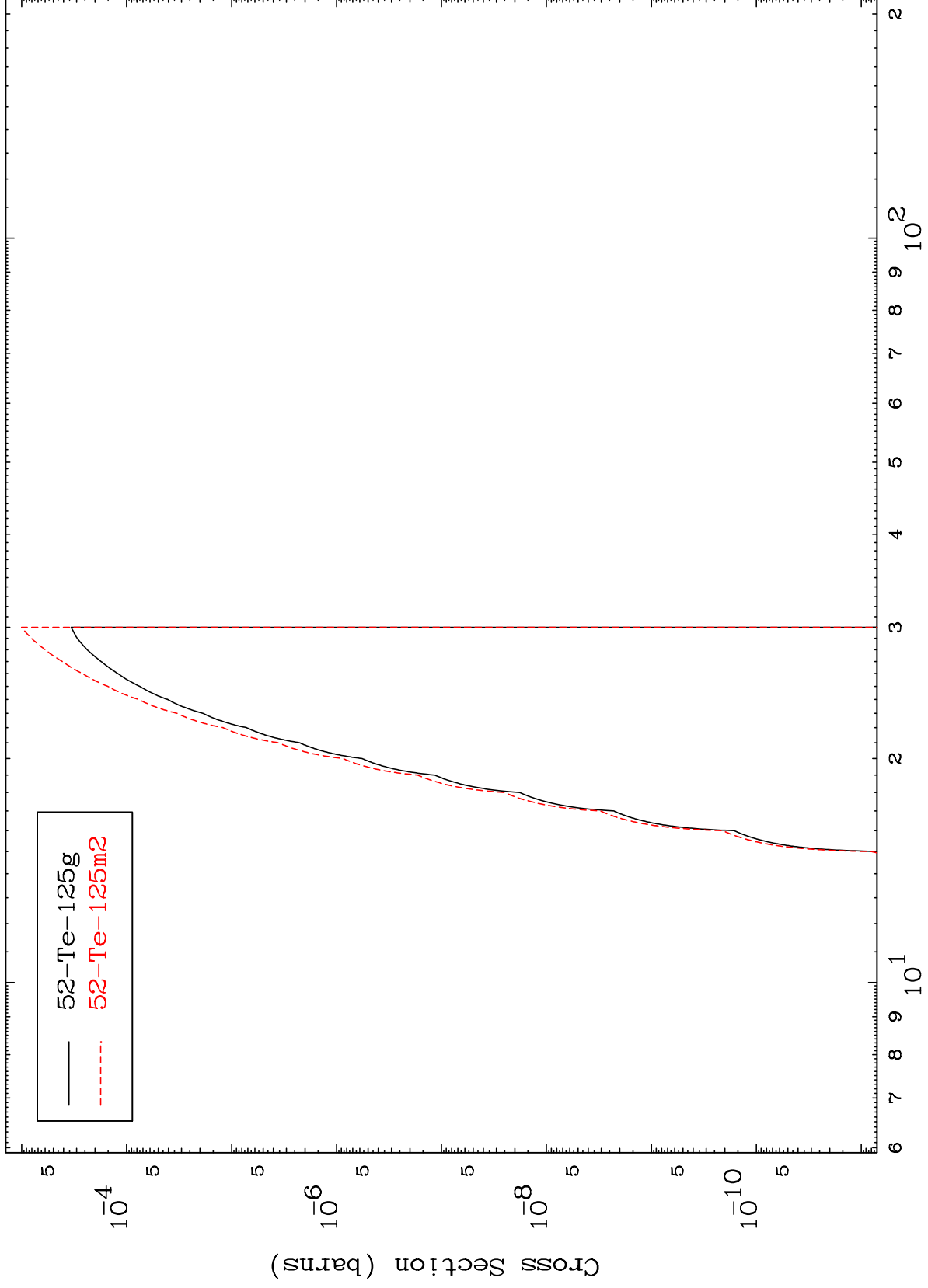
Radionuclide Production Cross Section



MAT 5434

54-Xe-127

(n,He-3)
Radionuclide Production Cross Section



124

Incident Energy (MeV)

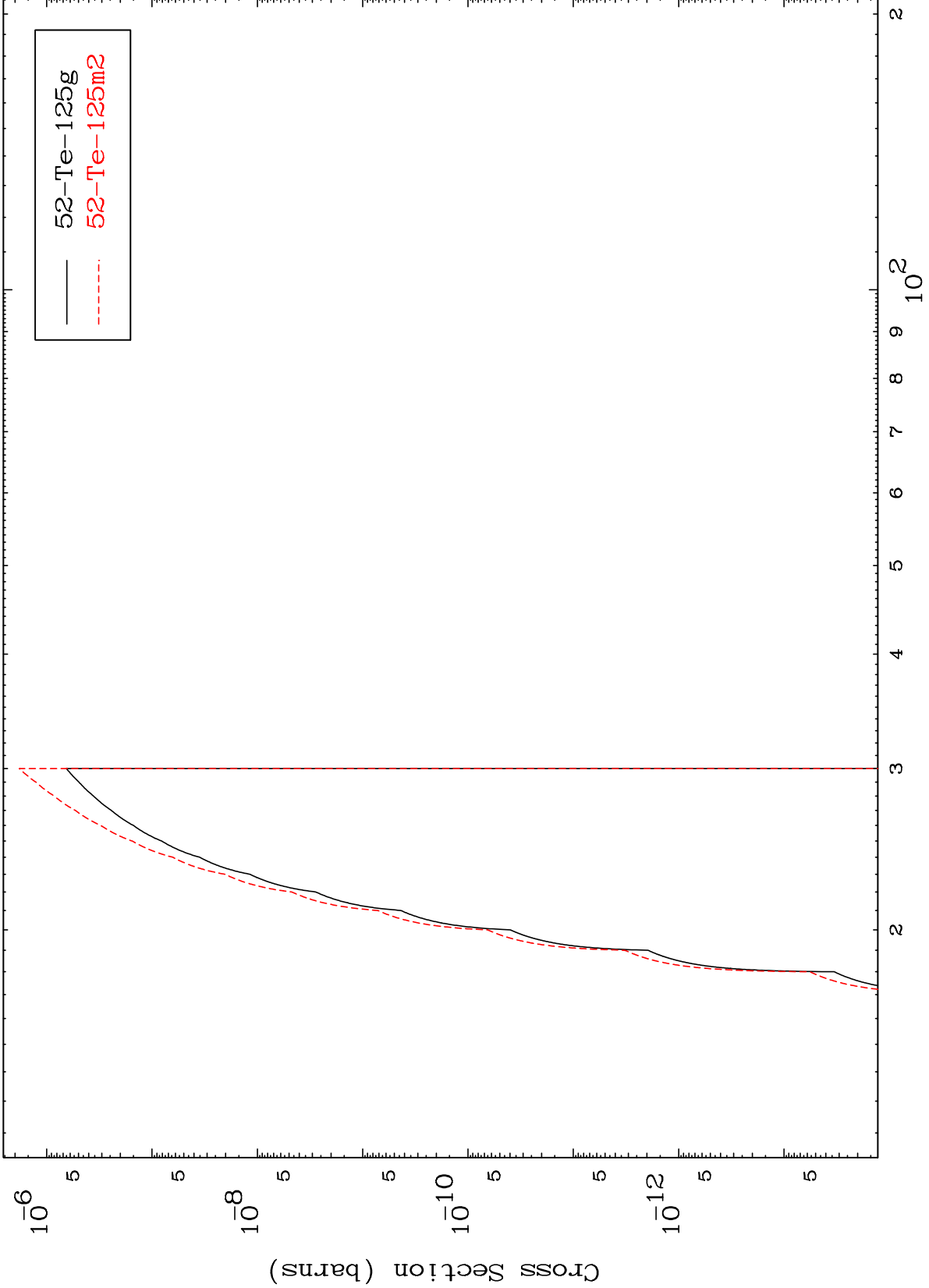
54-Xe-127

MAT 5434

(n,p) d

54-Xe-127

Radionuclide Production Cross Section



125

Incident Energy (MeV)

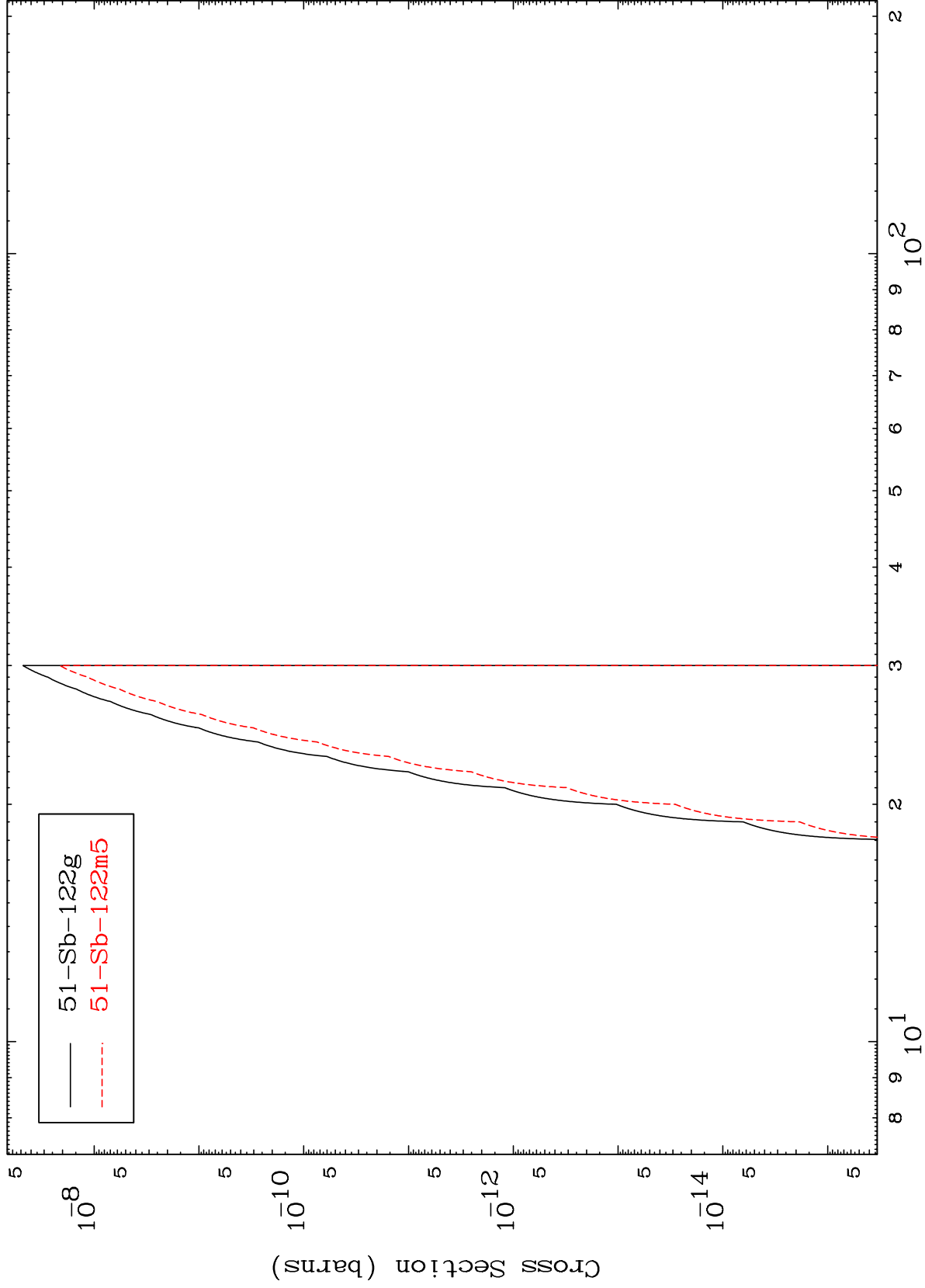
54-Xe-127

MAT 5434

(n,d) α

54-Xe-127

Radionuclide Production Cross Section



126

Incident Energy (MeV)

54-Xe-127