

Program EVALPLOT  
(Version 2021-1)

by

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(Present Contact Information)

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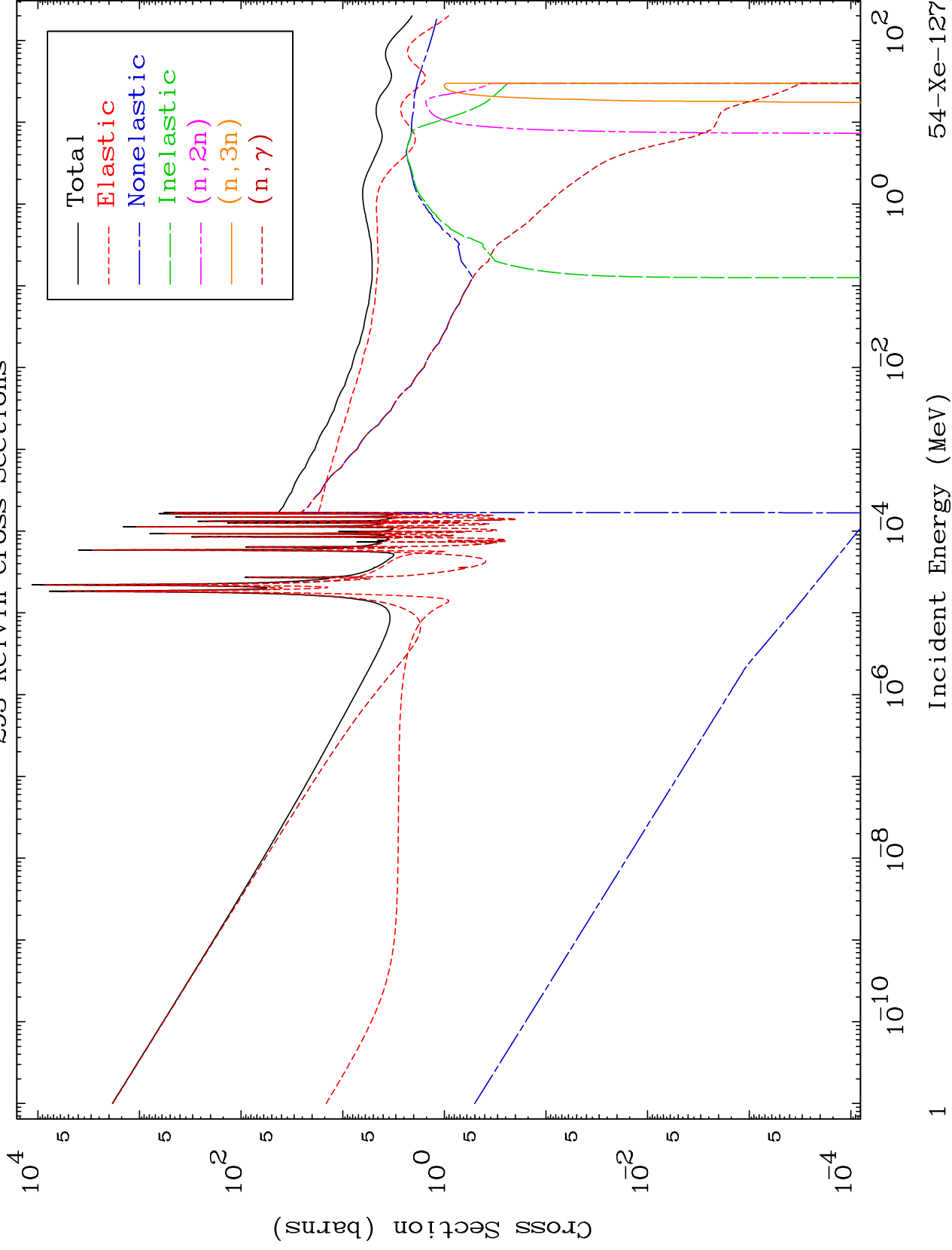
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5434

Neutron Major  
293 Kelvin Cross Sections

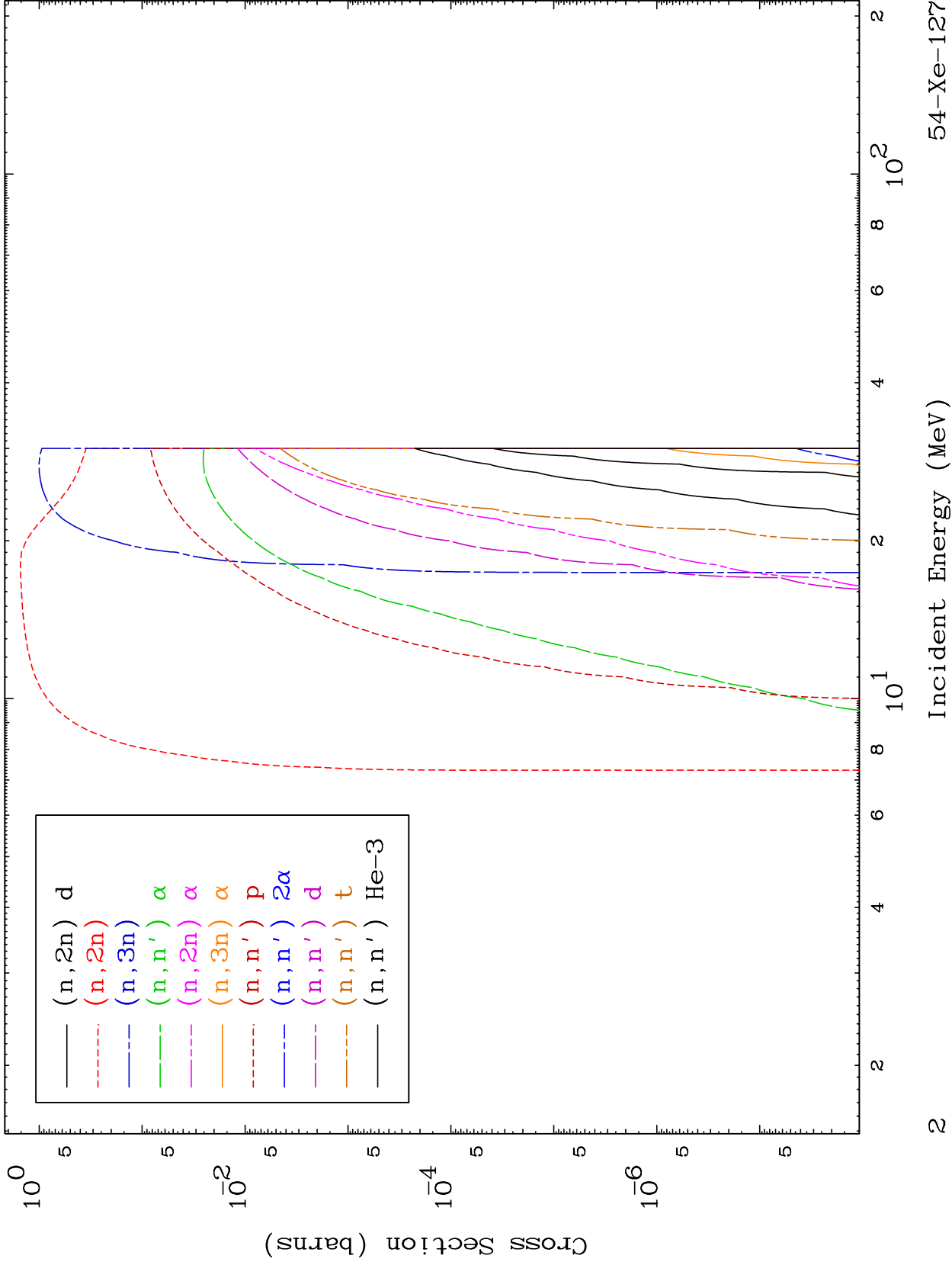
54-Xe-127



MAT 5434

Neutron Absorption  
293 Kelvin Cross Sections

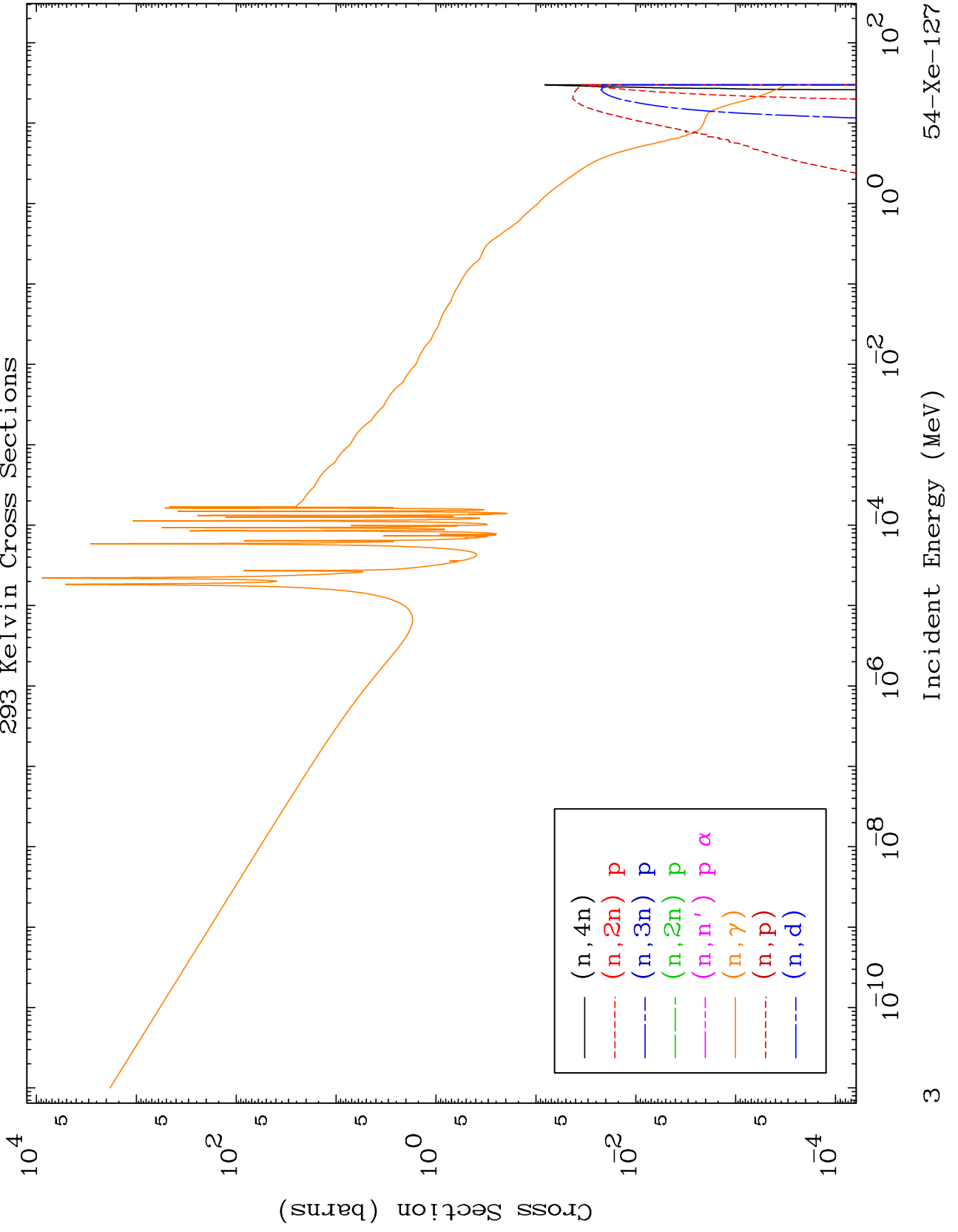
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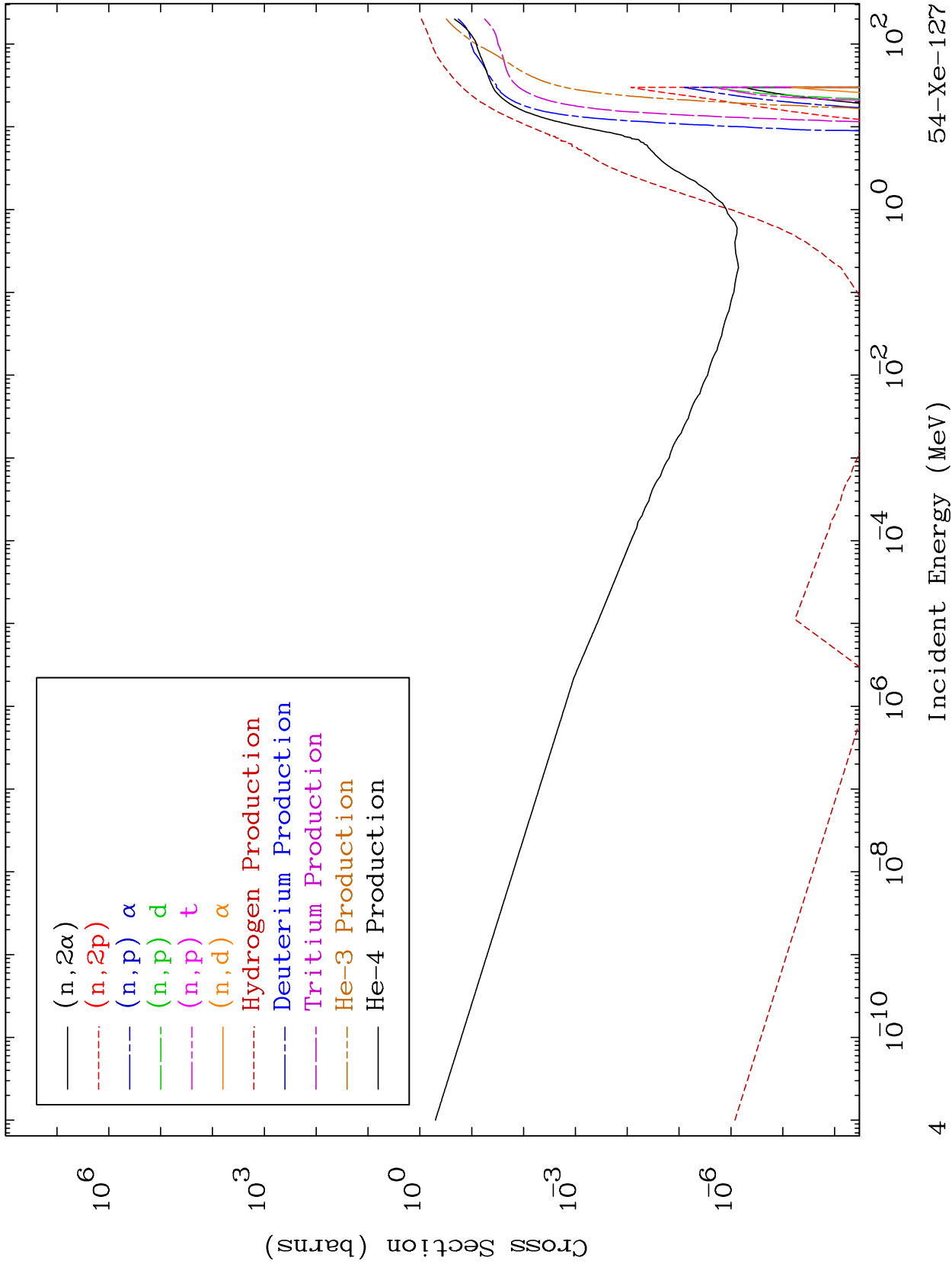


MAT 5434

Neutron Absorption  
293 Kelvin Cross Sections

54-Xe-127

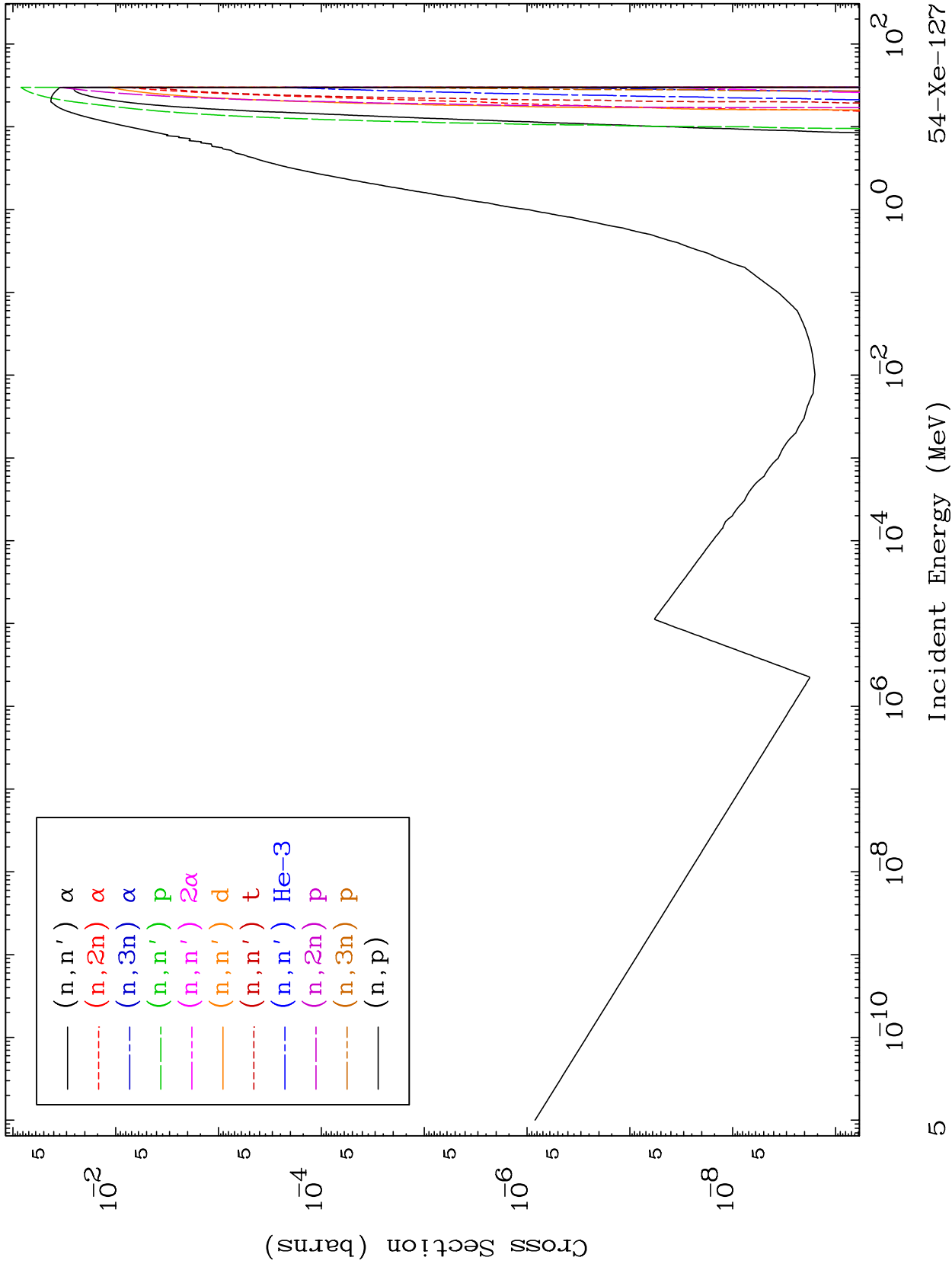




MAT 5434

Charged Particle  
293 Kelvin Cross Sections

54-Xe-127



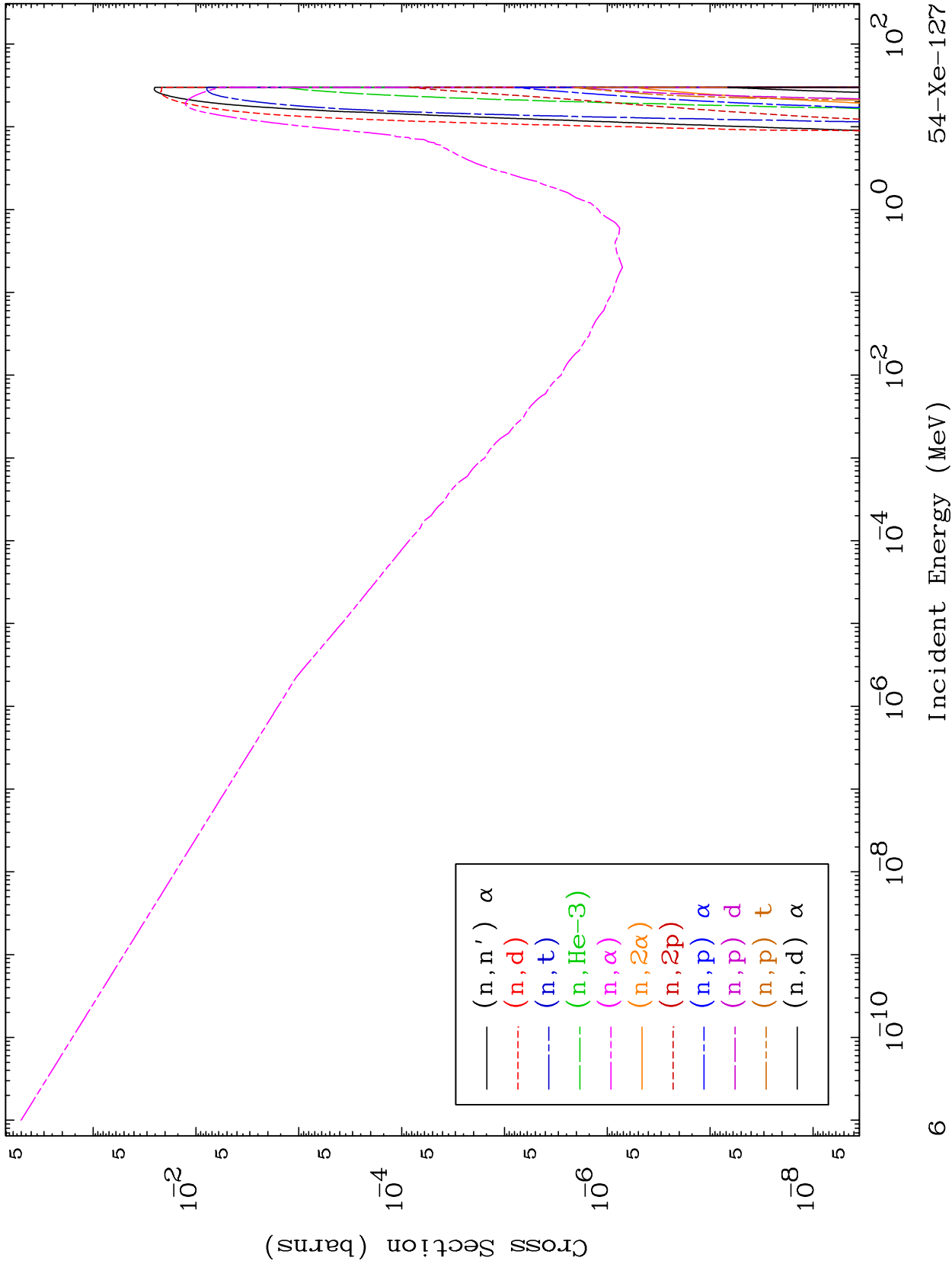
5

54-Xe-127

MAT 5434

Charged Particle  
293 Kelvin Cross Sections

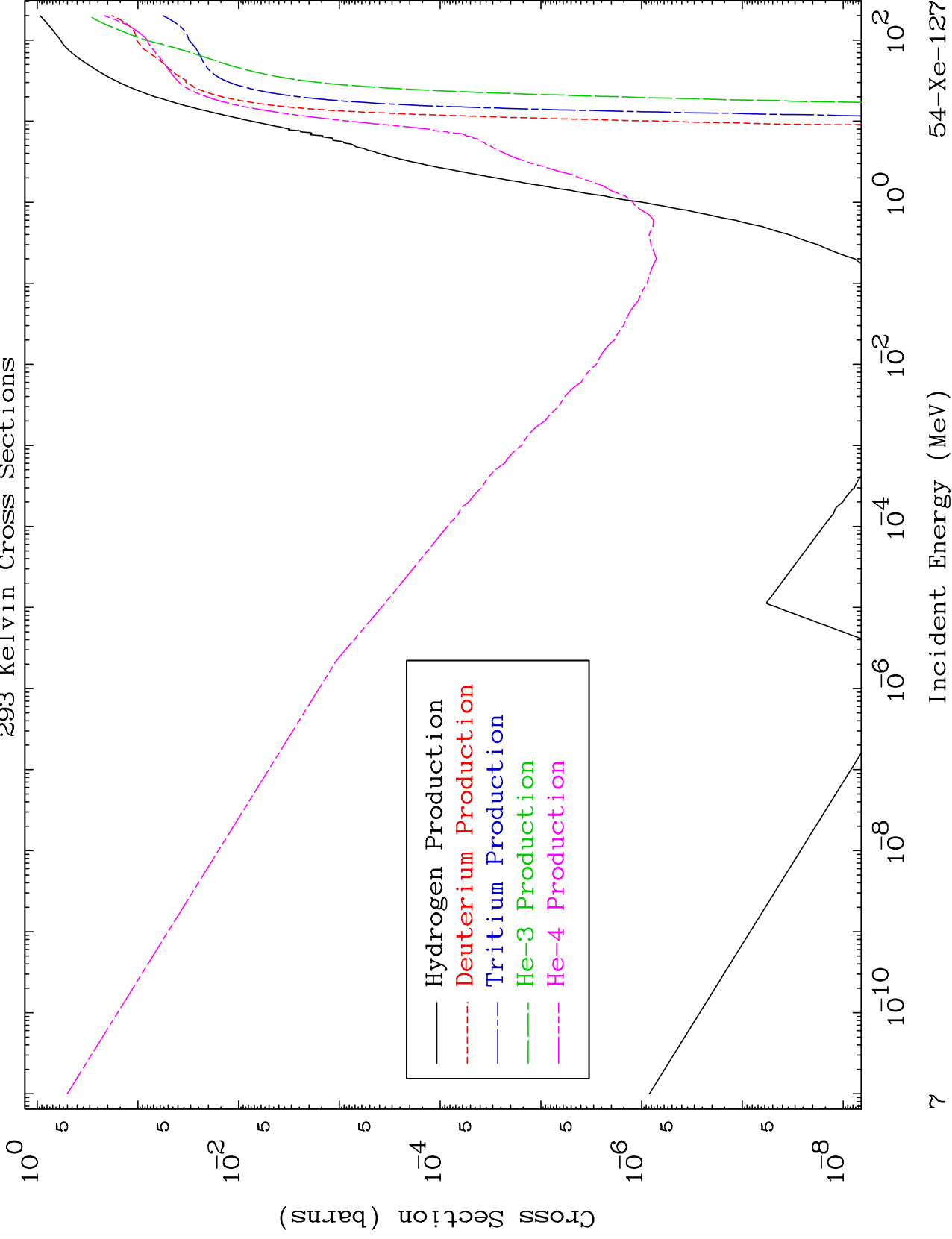
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MAT 5434

Particle Production  
293 Kelvin Cross Sections

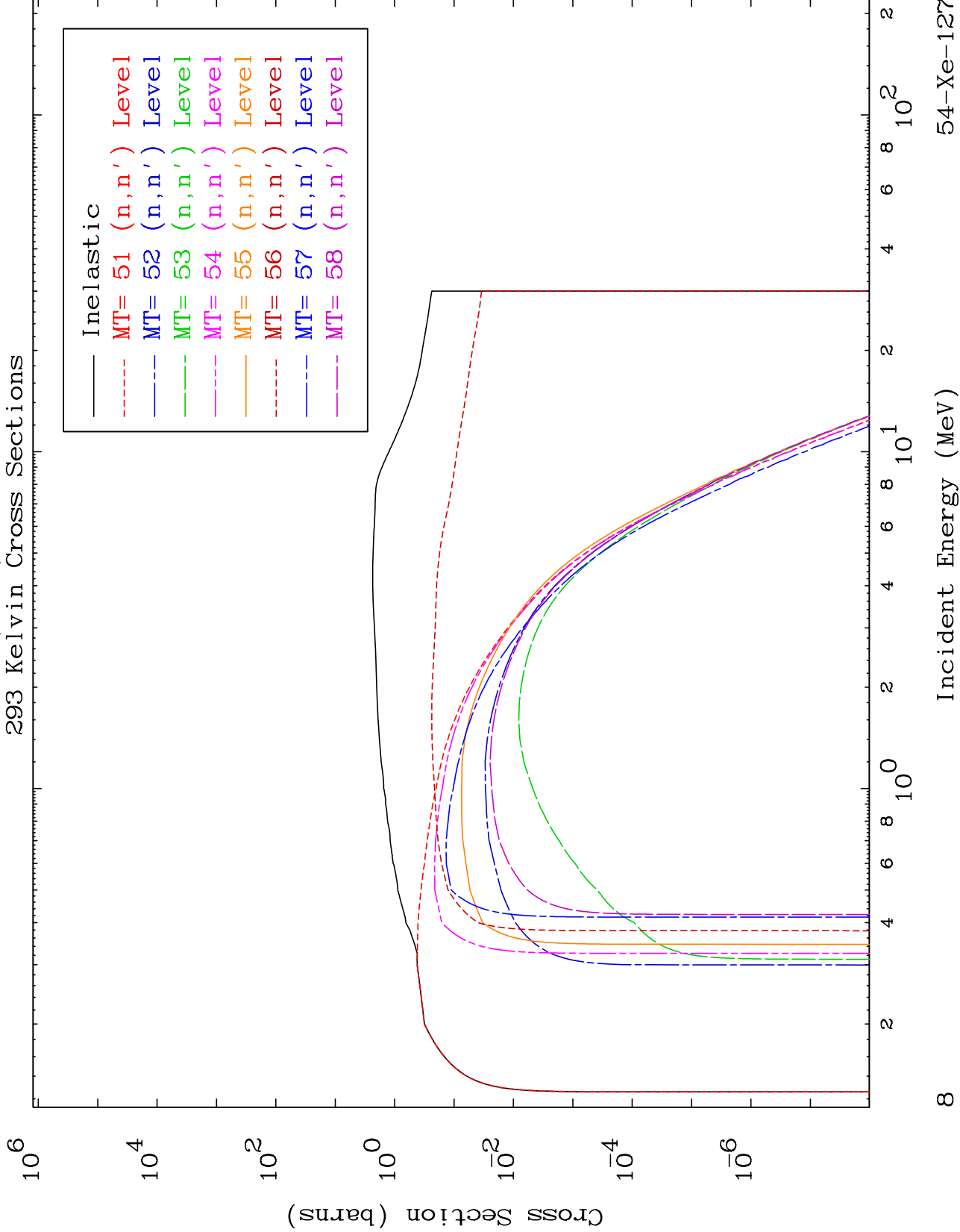
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MAT 5434

(n,n') Levels

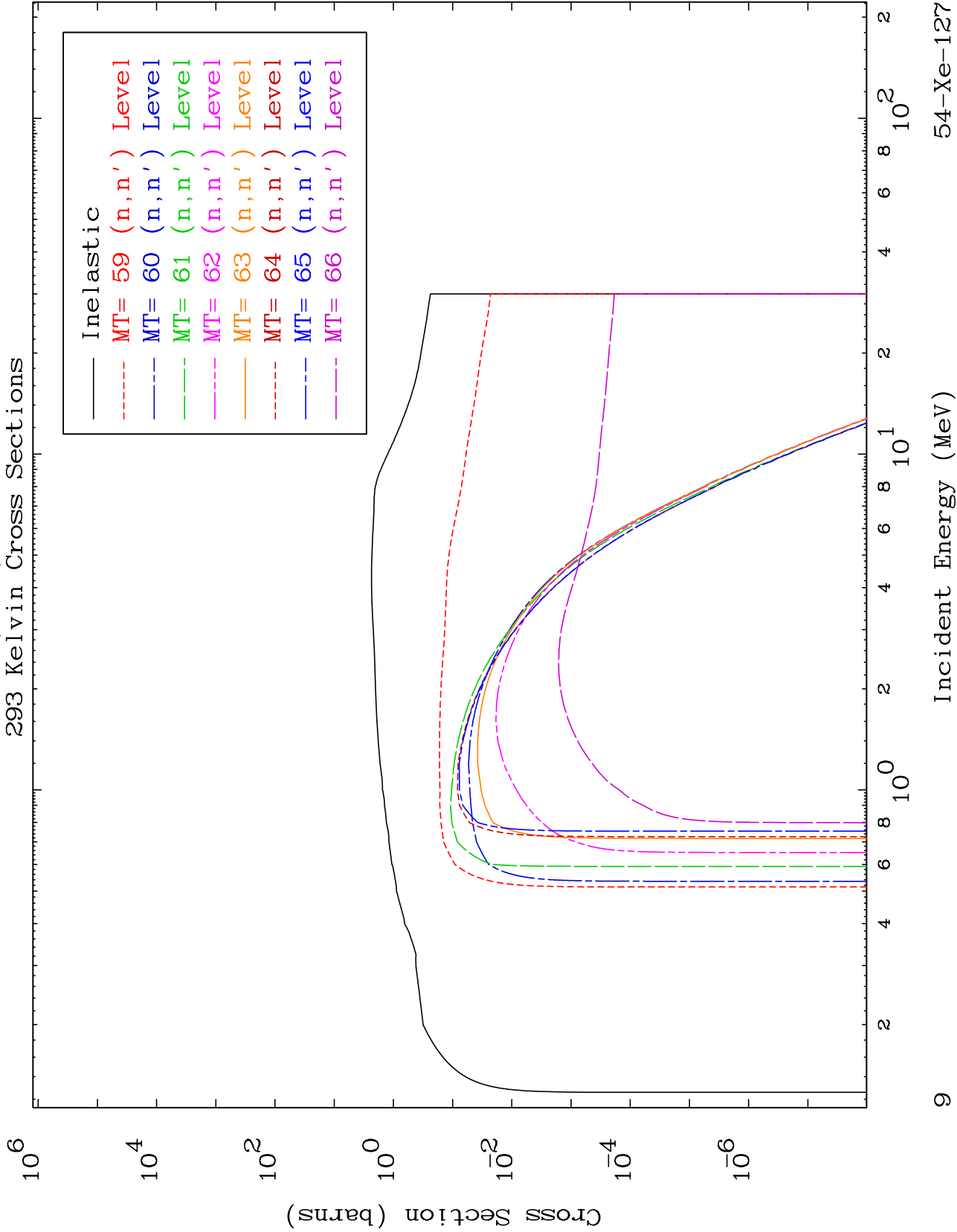
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MAT 5434

(n,n') Levels

54-Xe-127

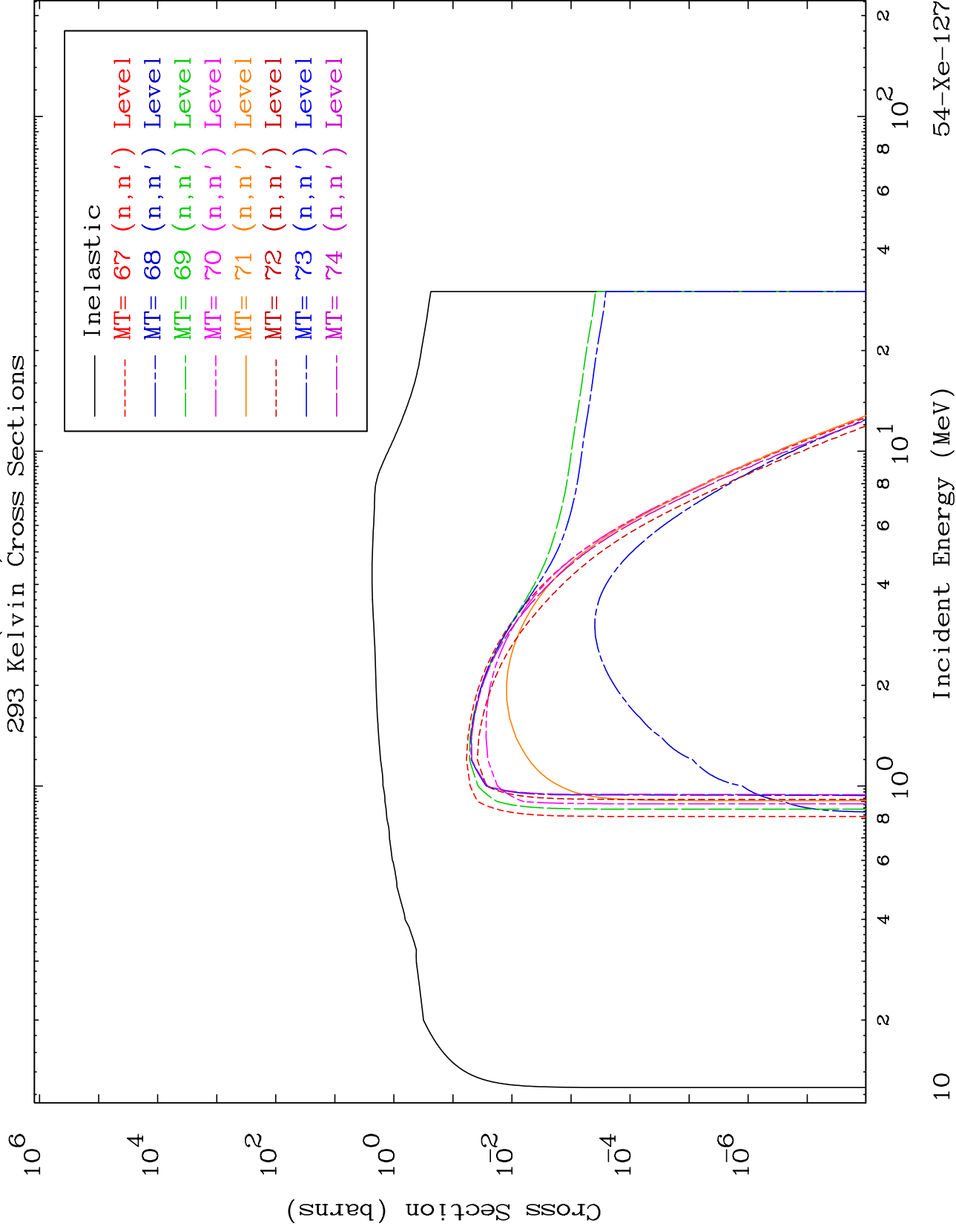


MAT 5434

(n,n') Levels

293 Kelvin Cross Sections

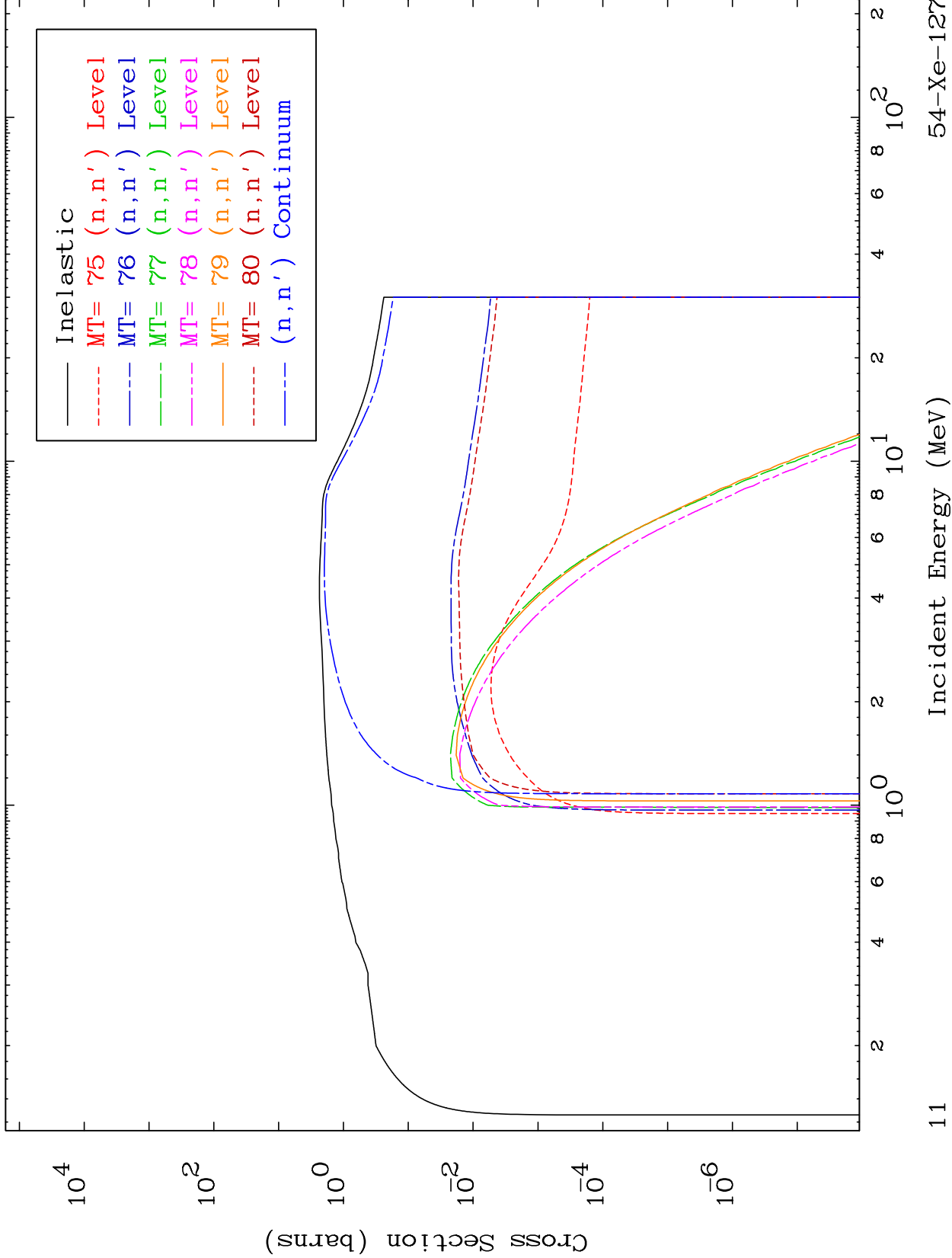
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10

Incident Energy (MeV)

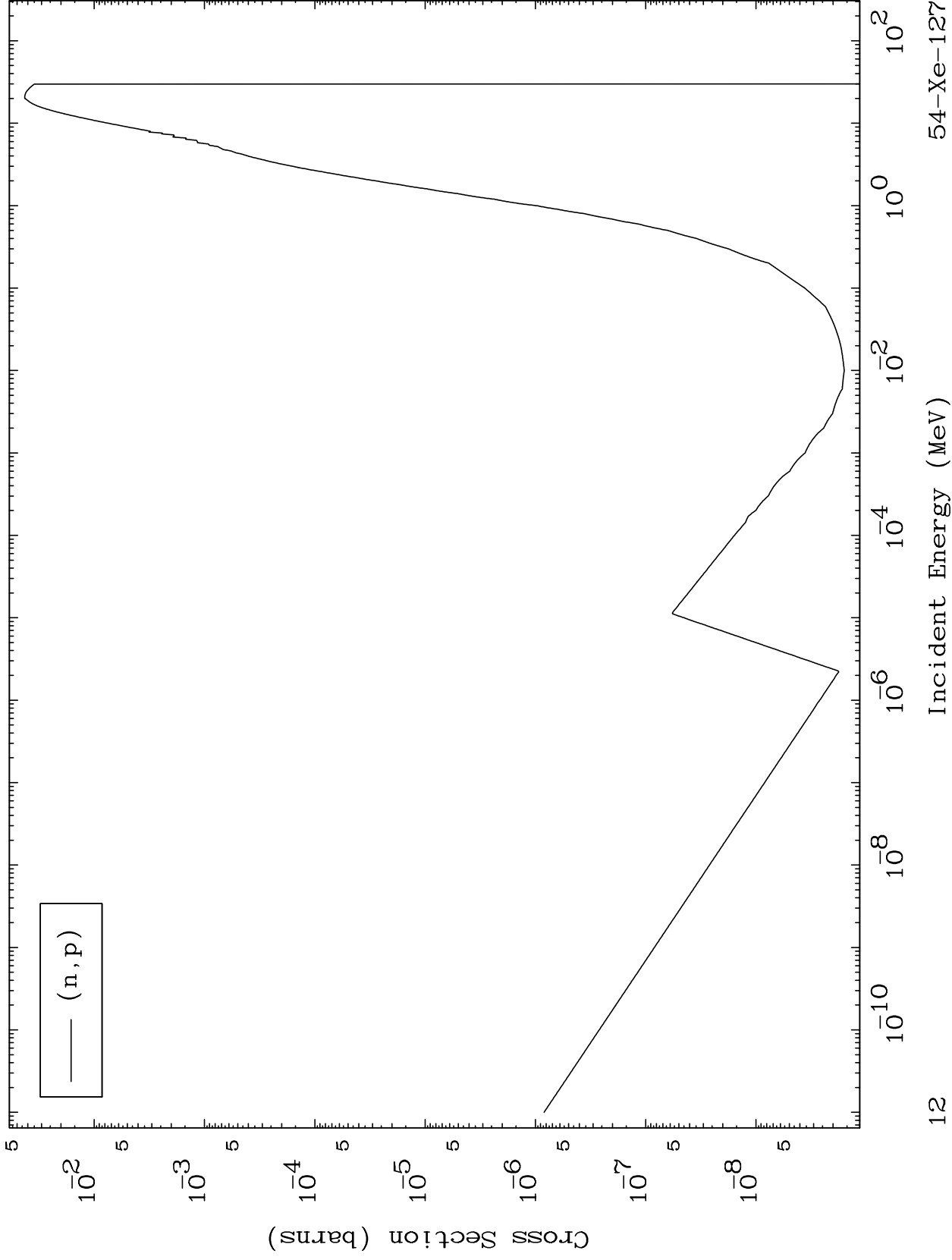
54-Xe-127



MAT 5434

(n,p) Levels  
293 Kelvin Cross Sections

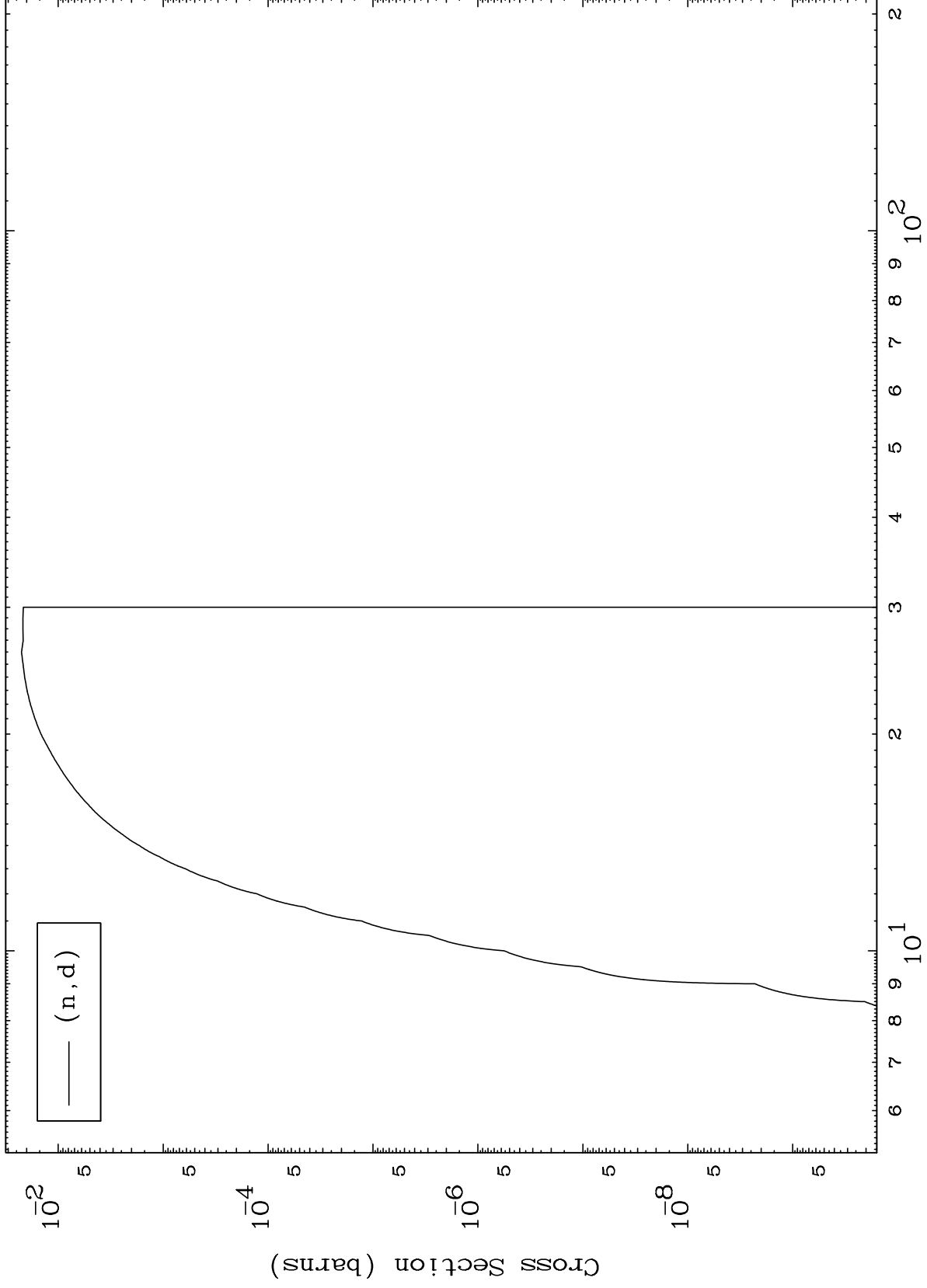
54-Xe-127



MAT 5434

(n,d) Levels  
293 Kelvin Cross Sections

54-Xe-127



13

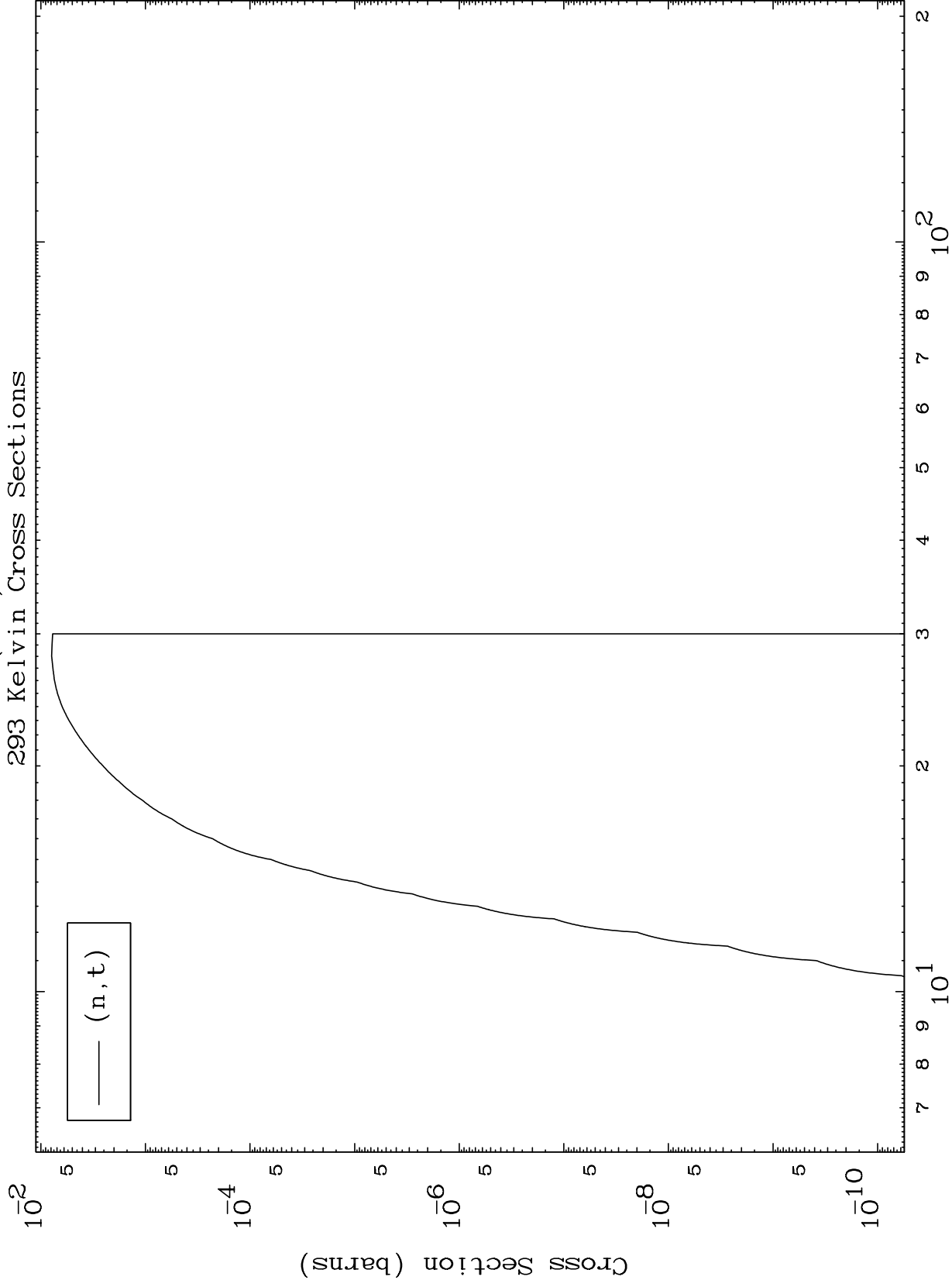
Incident Energy (MeV)

54-Xe-127

MAT 5434

(n, t) Levels  
293 Kelvin Cross Sections

54-Xe-127



14

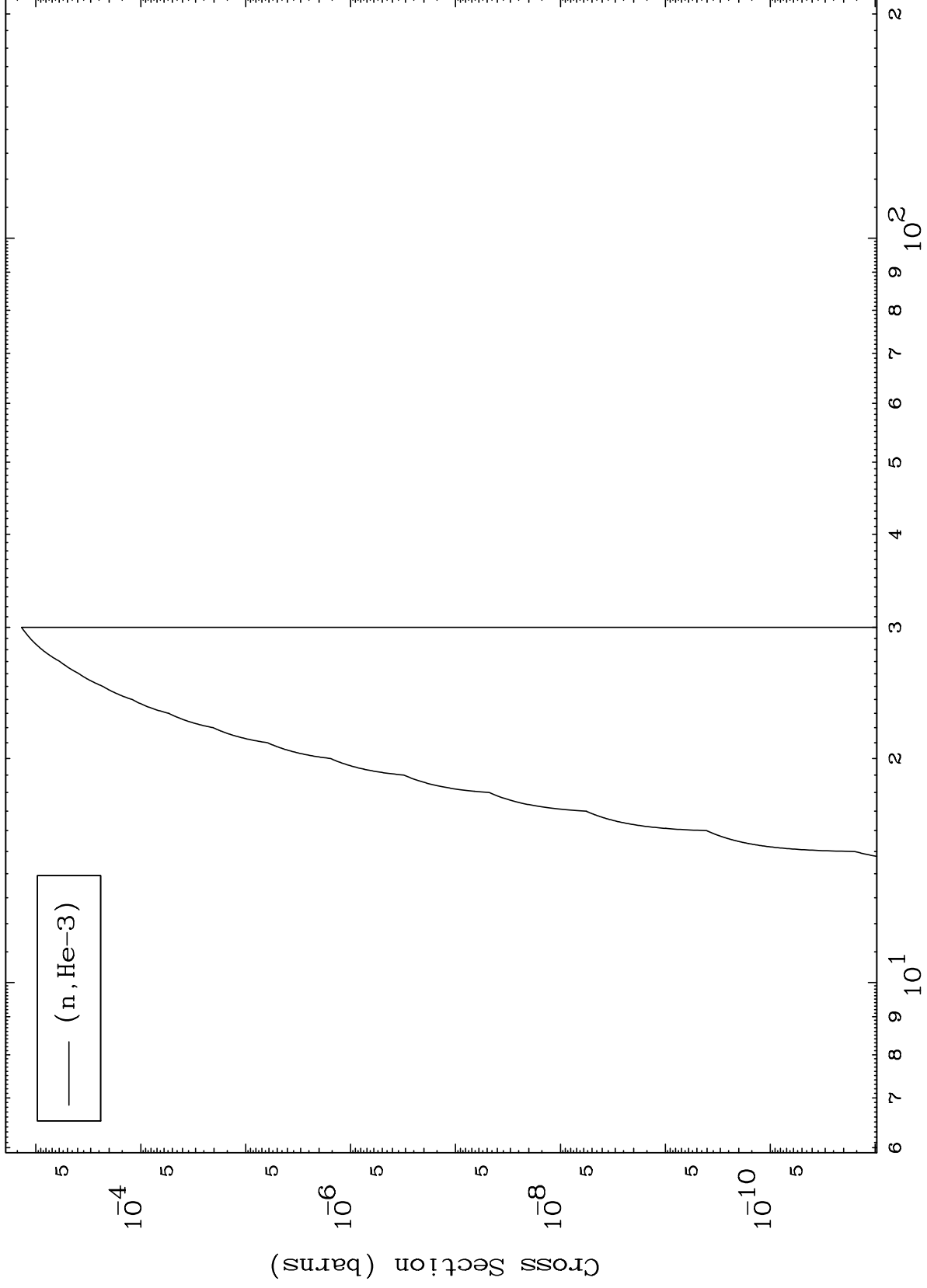
Incident Energy (MeV)

54-Xe-127

MAT 5434

(n,He3) Levels  
293 Kelvin Cross Sections

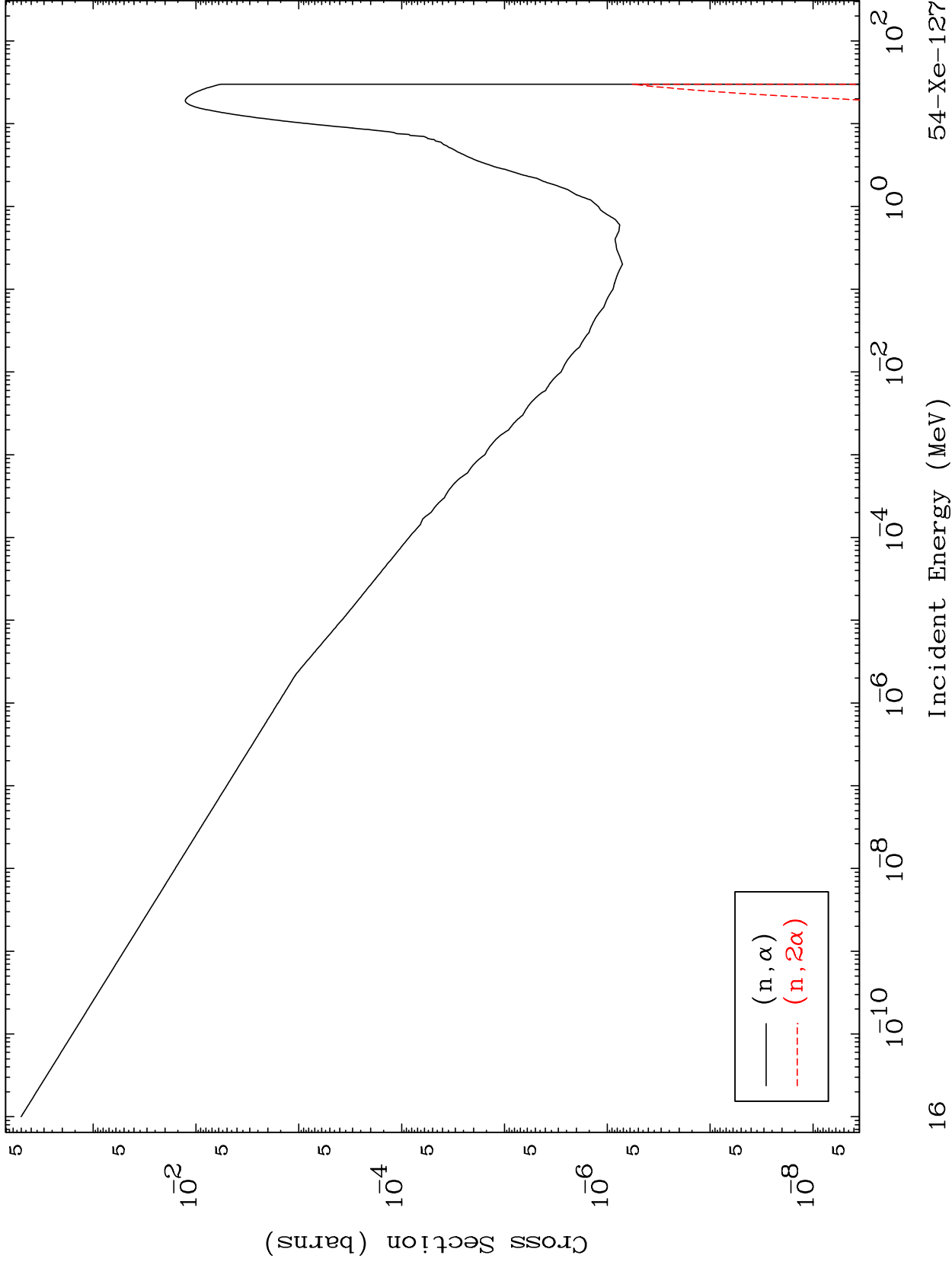
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MAT 5434

(n,α) Levels  
293 Kelvin Cross Sections

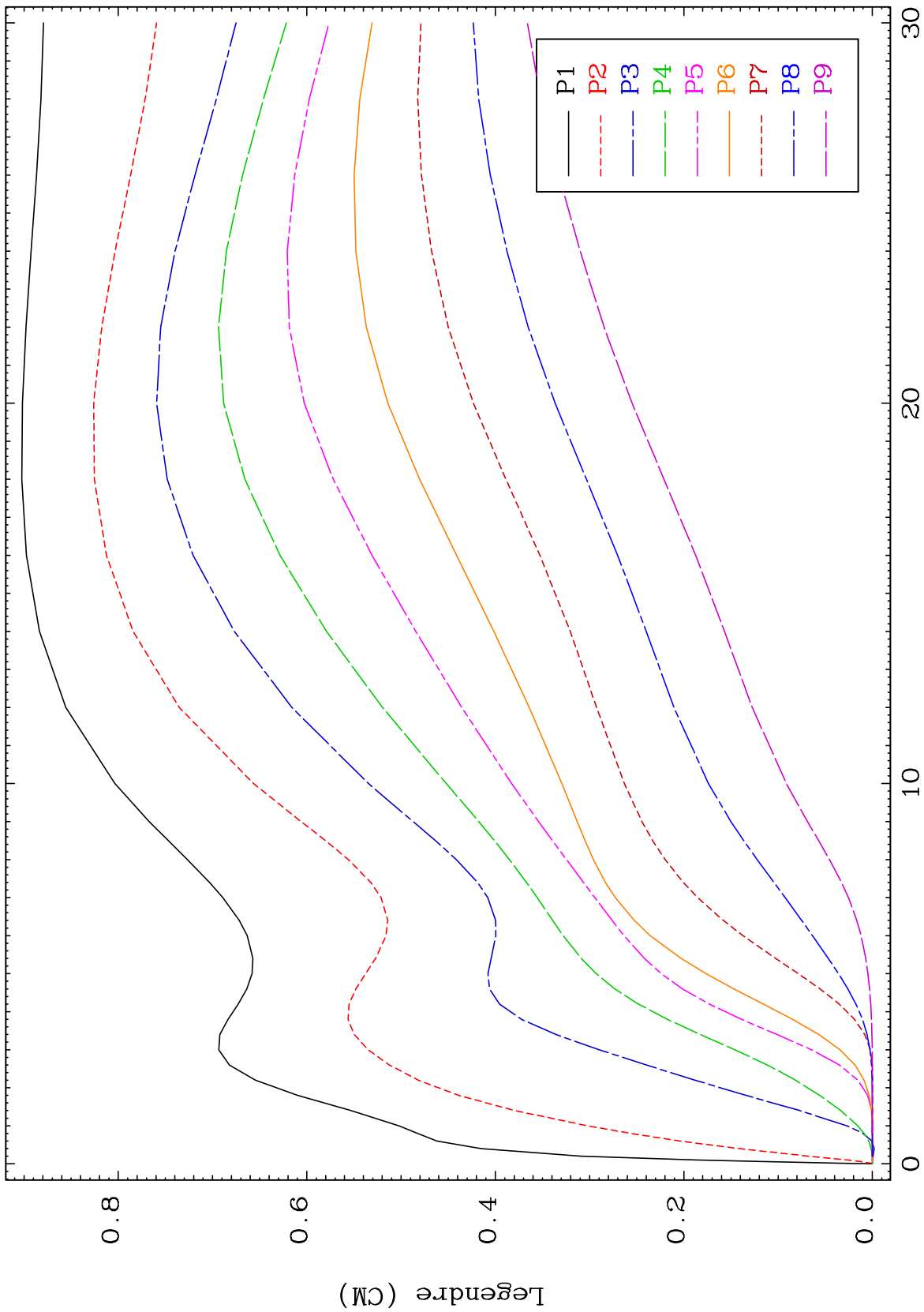
54-Xe-127



MAT 5434

Elastic Legendre Coefficients

54-Xe-127



17

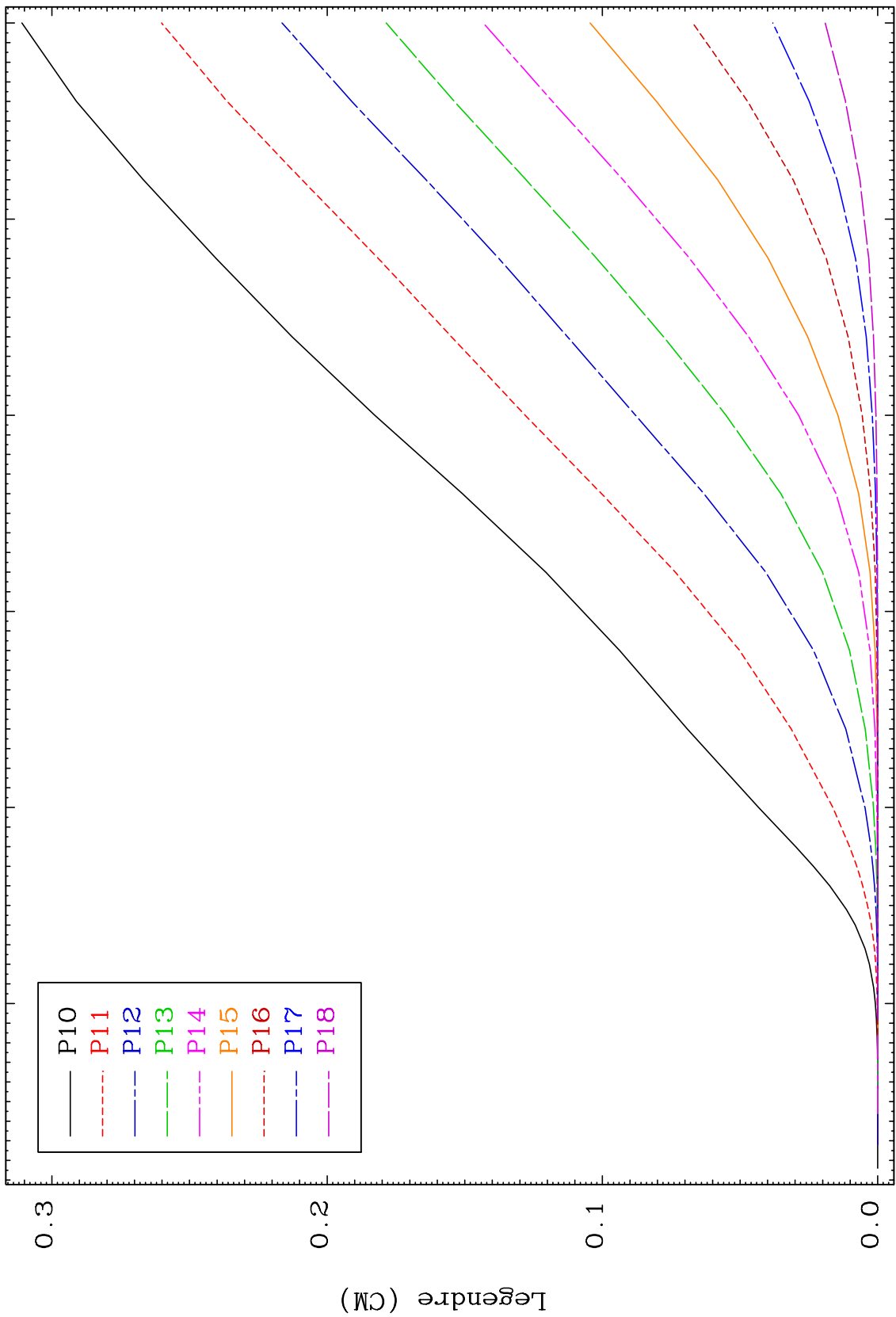
Incident Energy (MeV)

54-Xe-127

MAT 5434

Elastic Legendre Coefficients

54-Xe-127



18

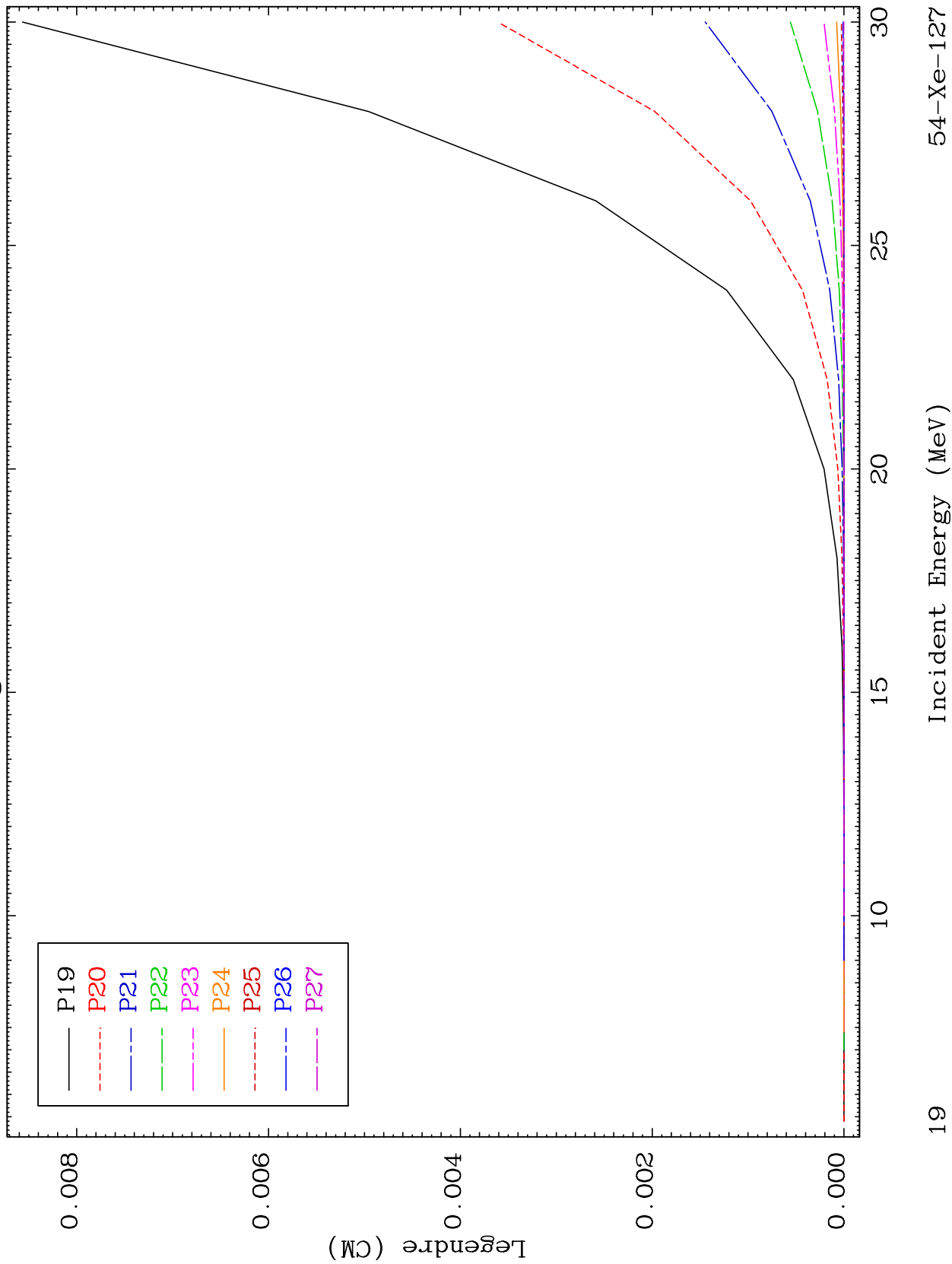
Incident Energy (MeV)

54-Xe-127

MAT 5434

### Elastic Legendre Coefficients

54-Xe-127



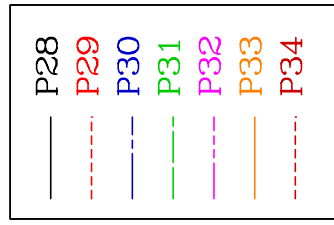
19

54-Xe-127

MAT 5434

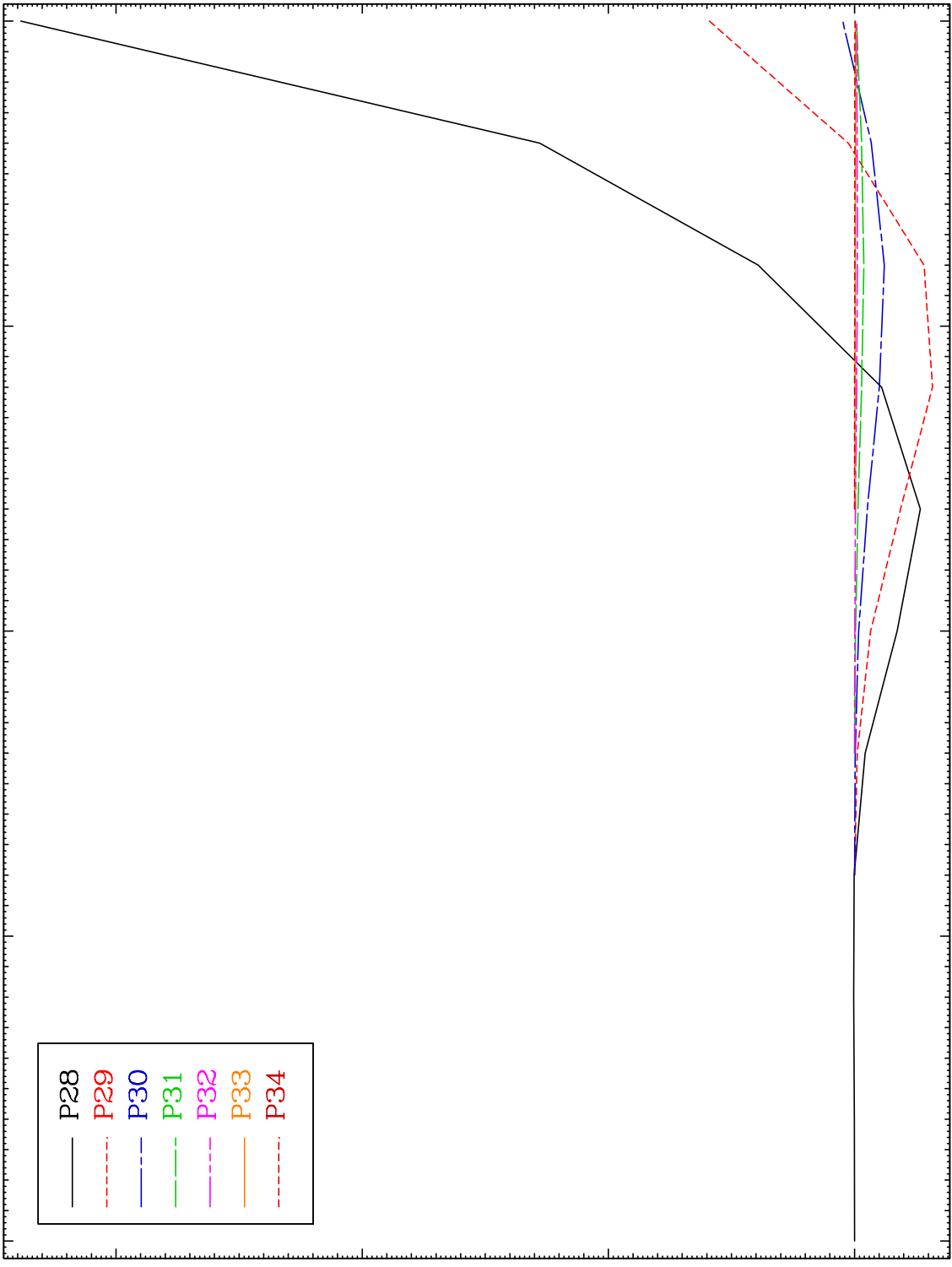
Elastic Legendre Coefficients

54-Xe-127



$\times 10^{-7}$

Legendre (CM)



20

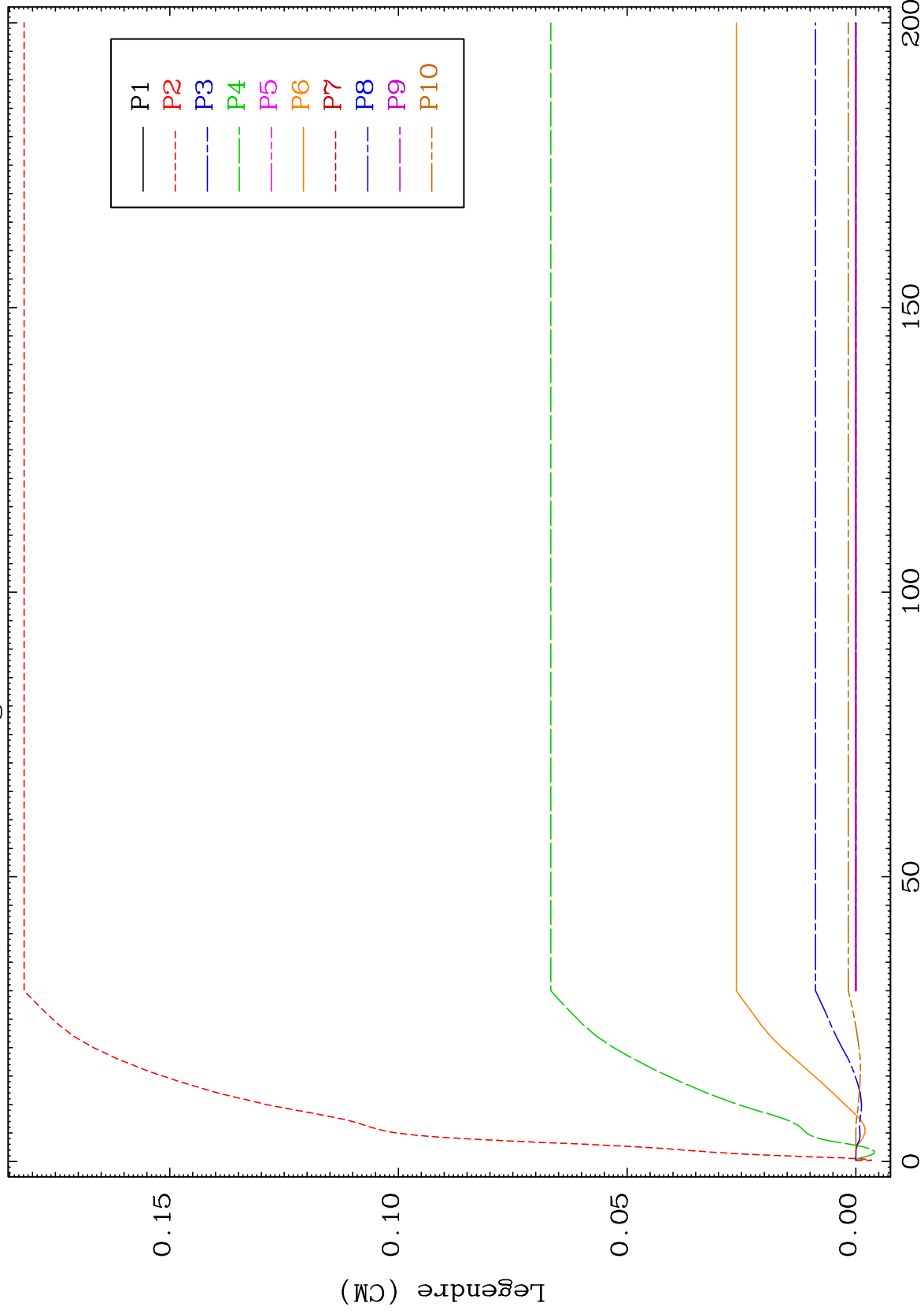
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



21

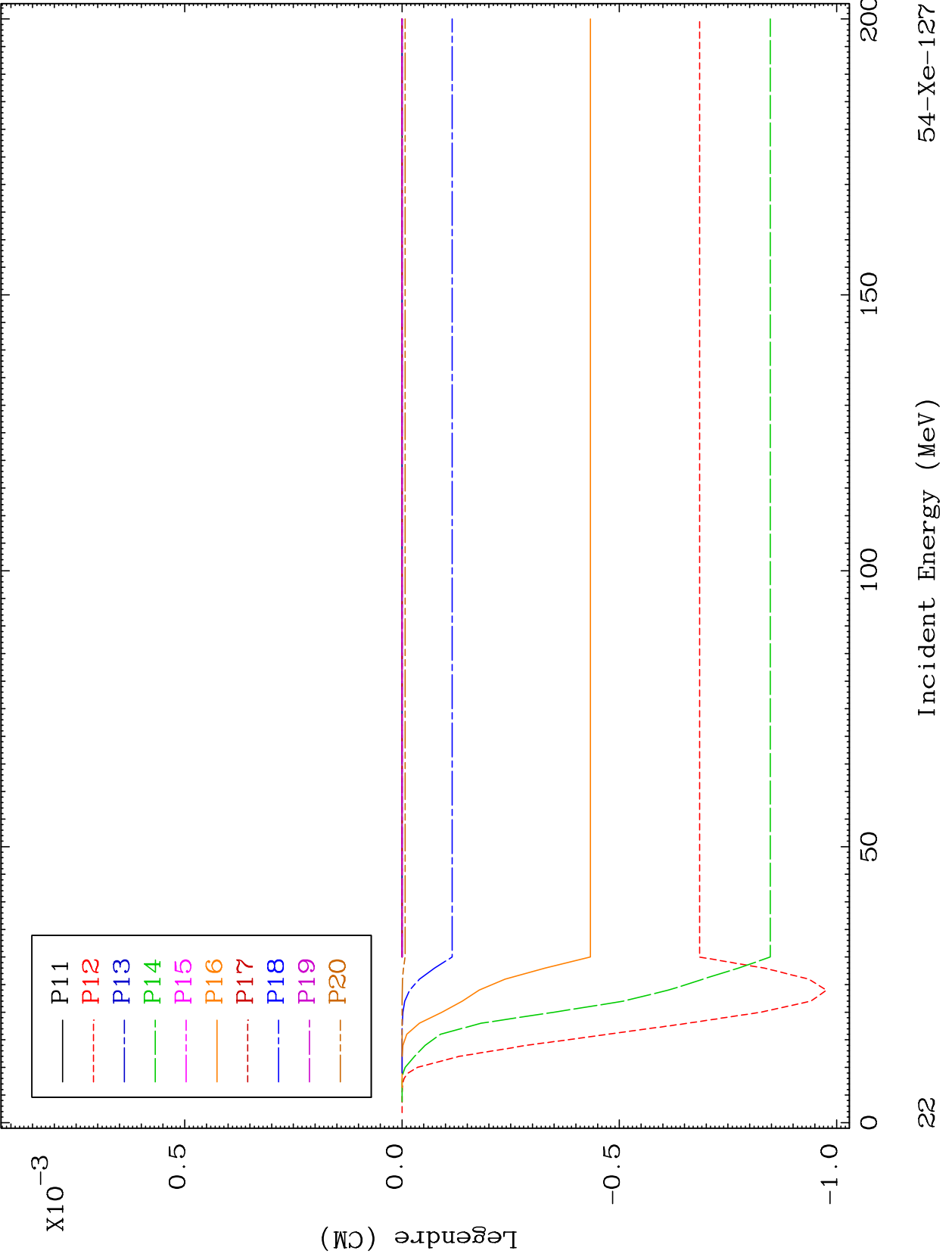
Incident Energy (MeV)

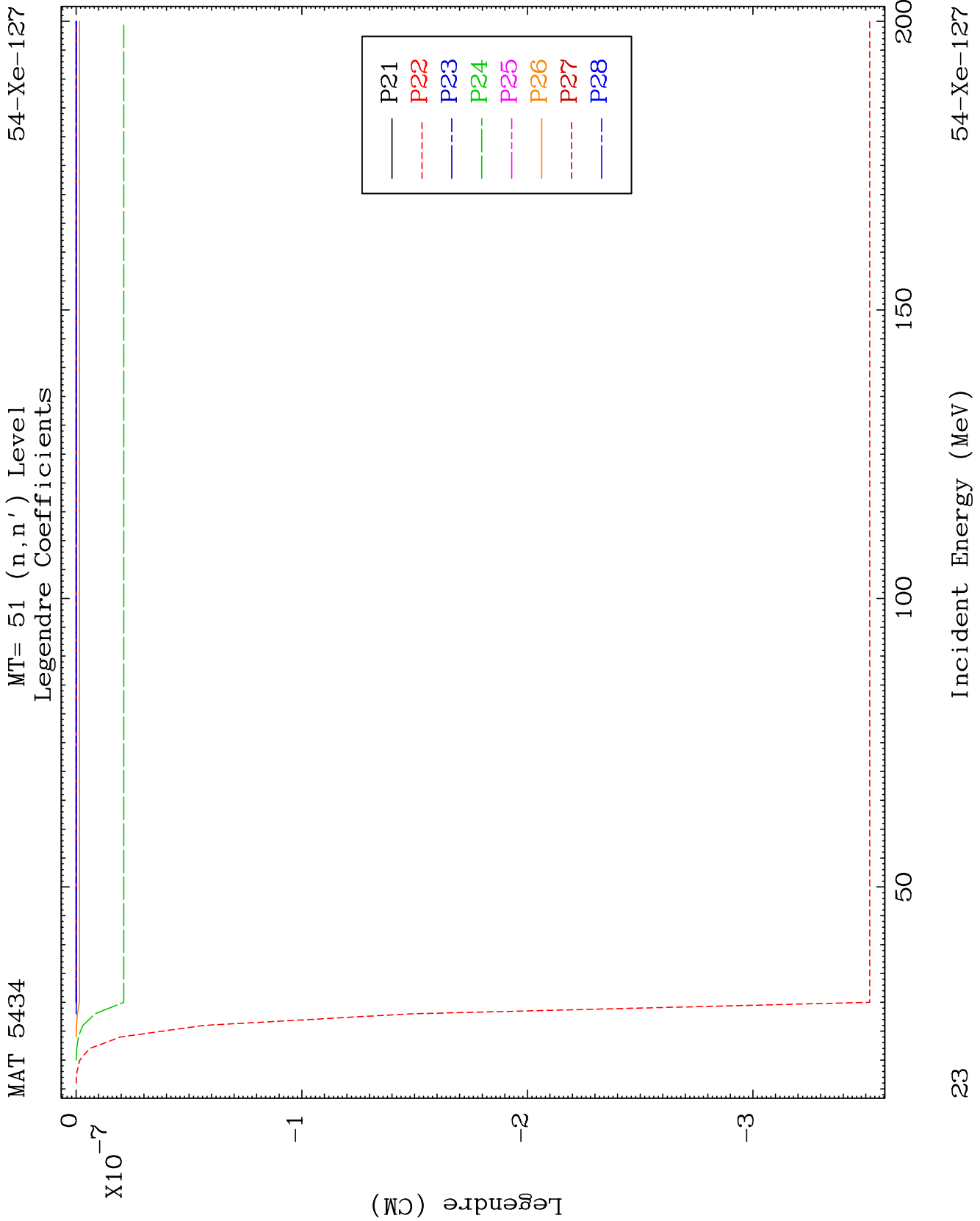
54-Xe-127

MAT 5434

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

54-Xe-127



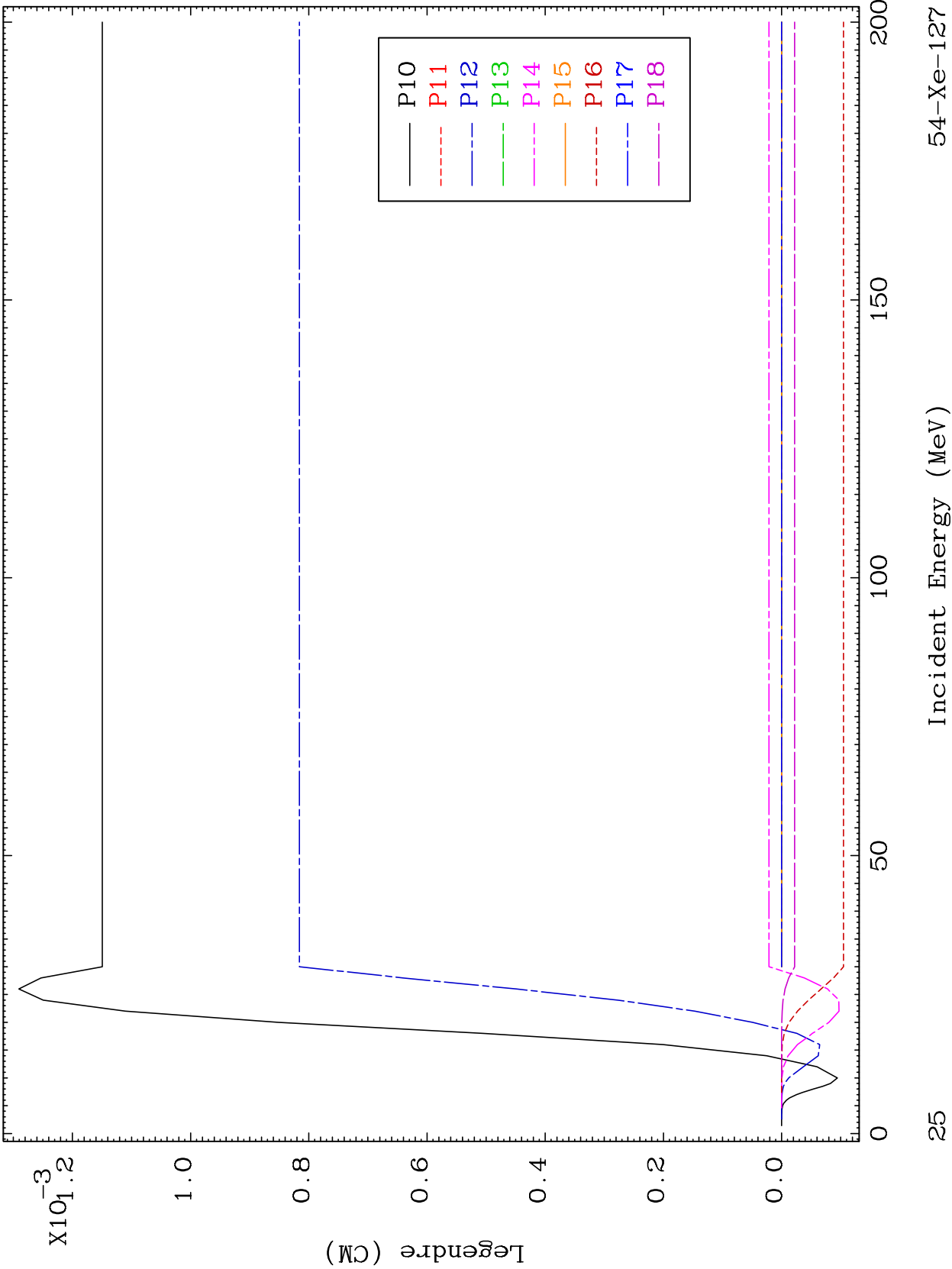




MAT 5434

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

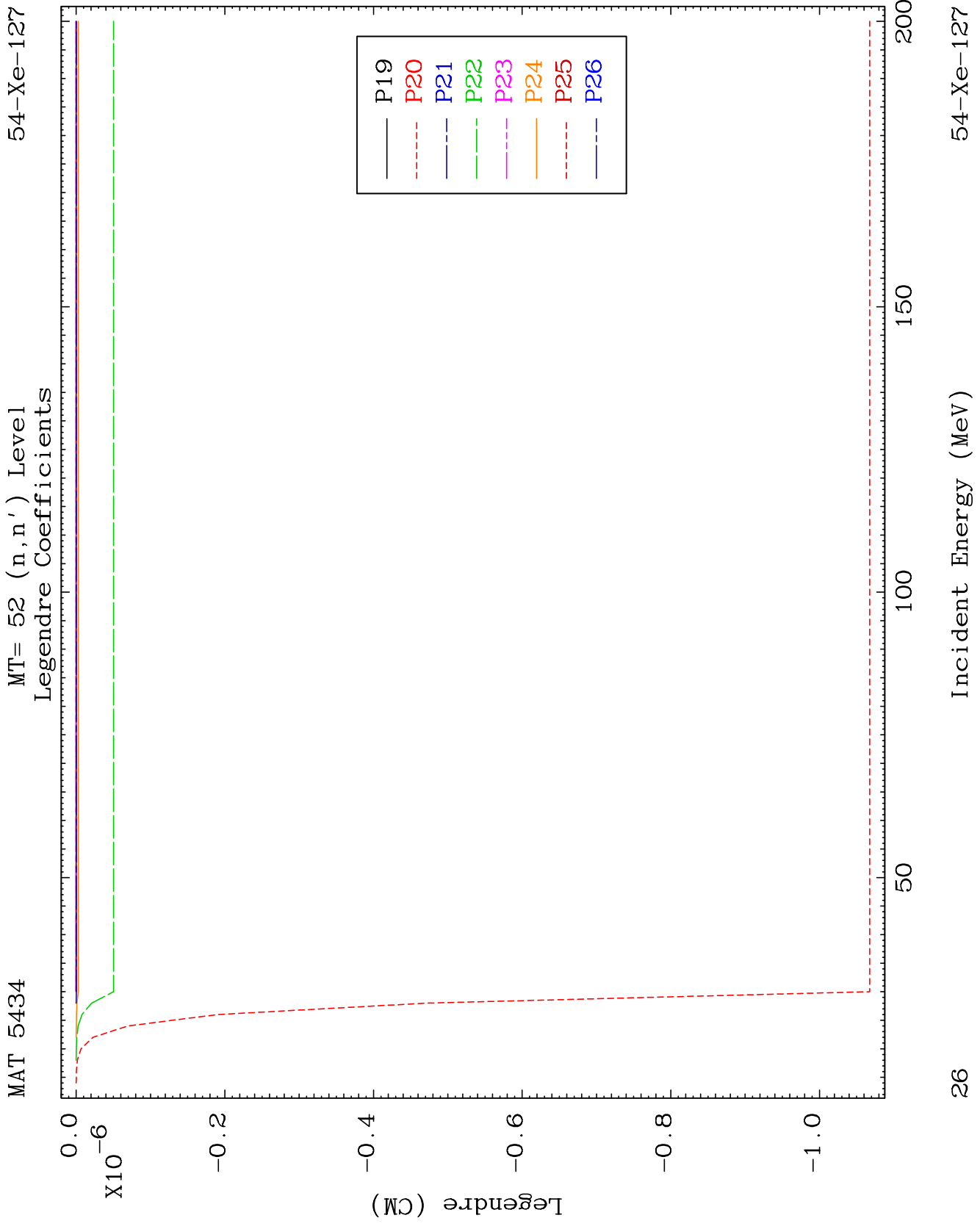
54-Xe-127



25

Incident Energy (MeV)

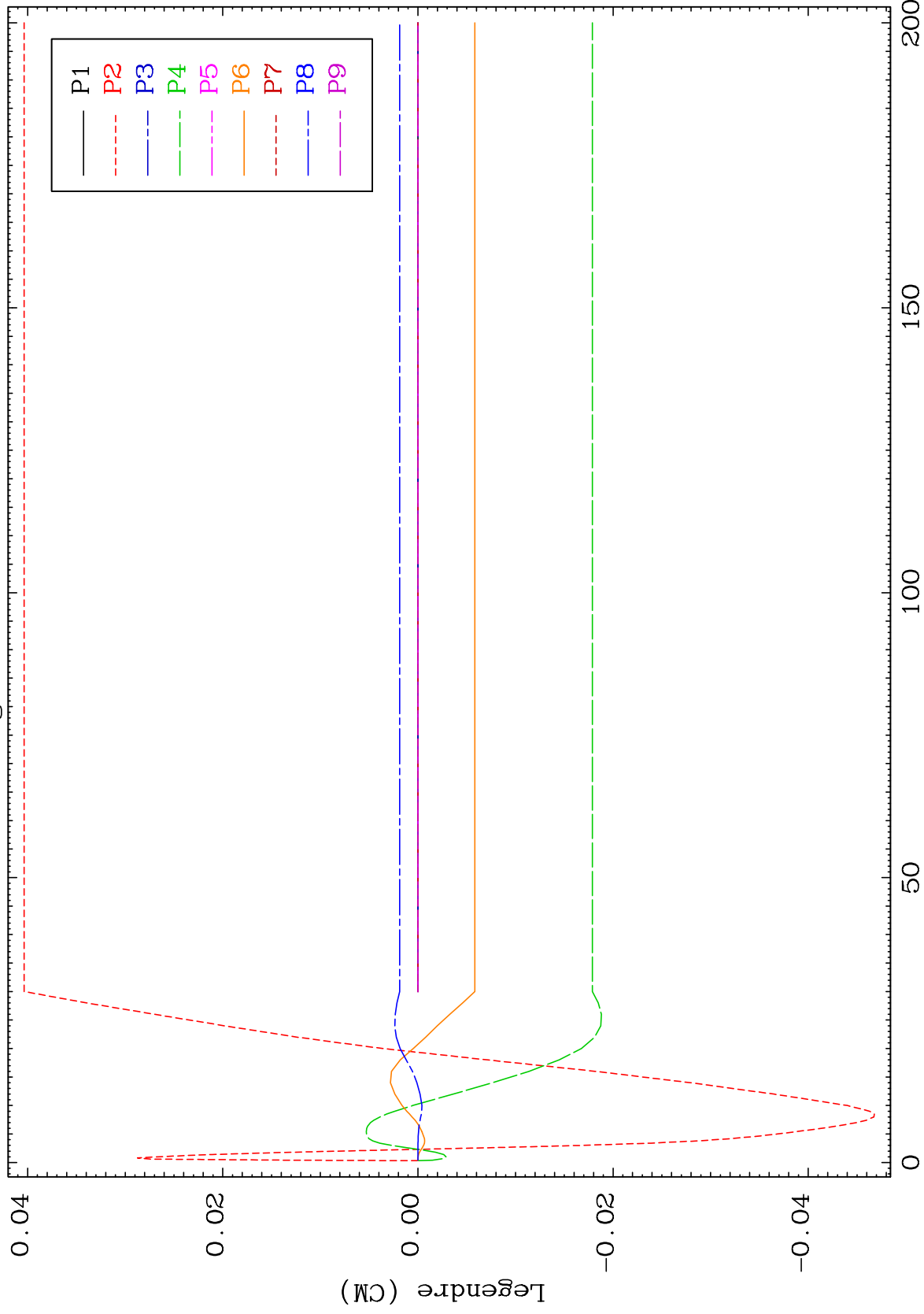
54-Xe-127



MAT 5434

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

54-Xe-127



27

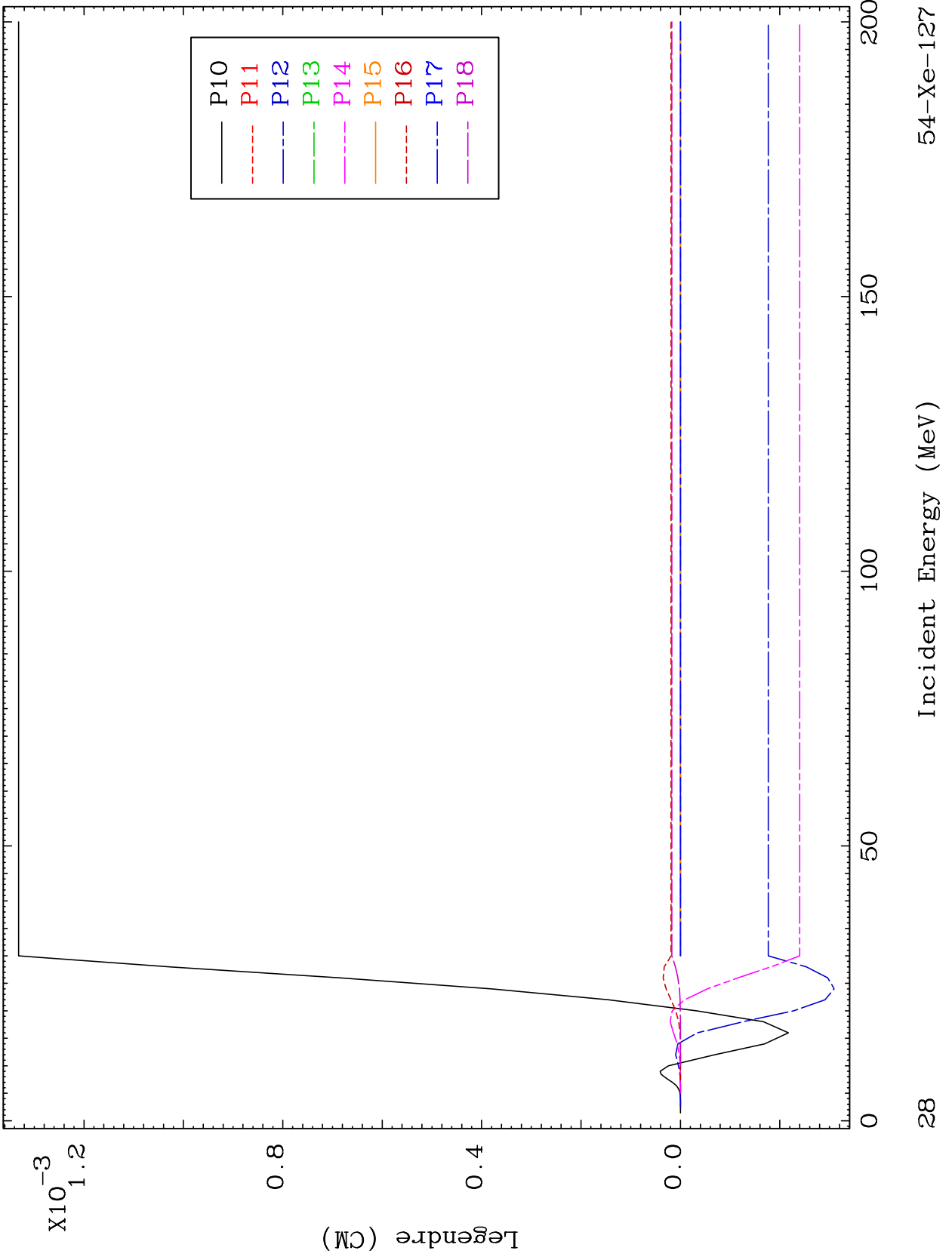
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

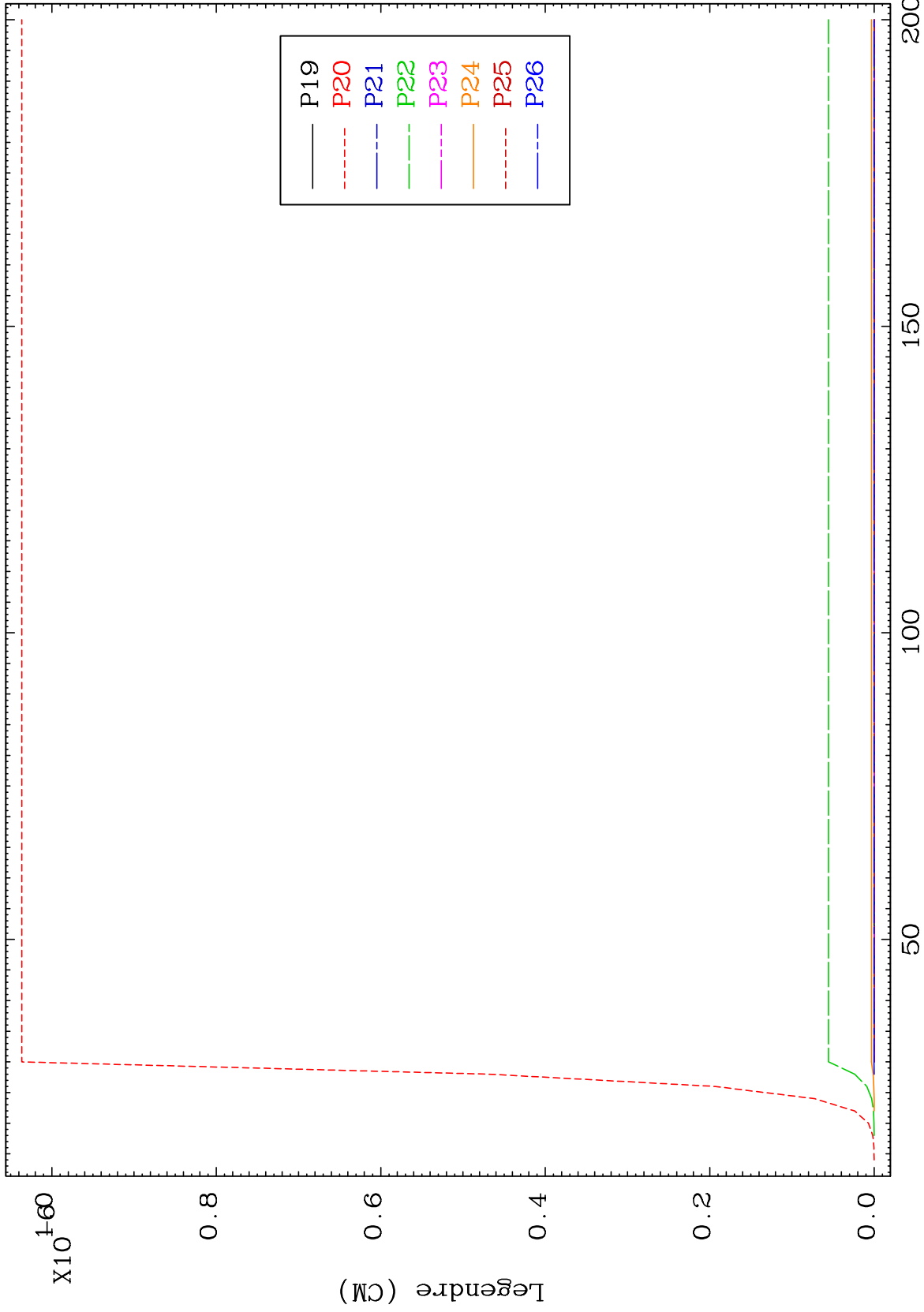
54-Xe-127



MAT 5434

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

54-Xe-127



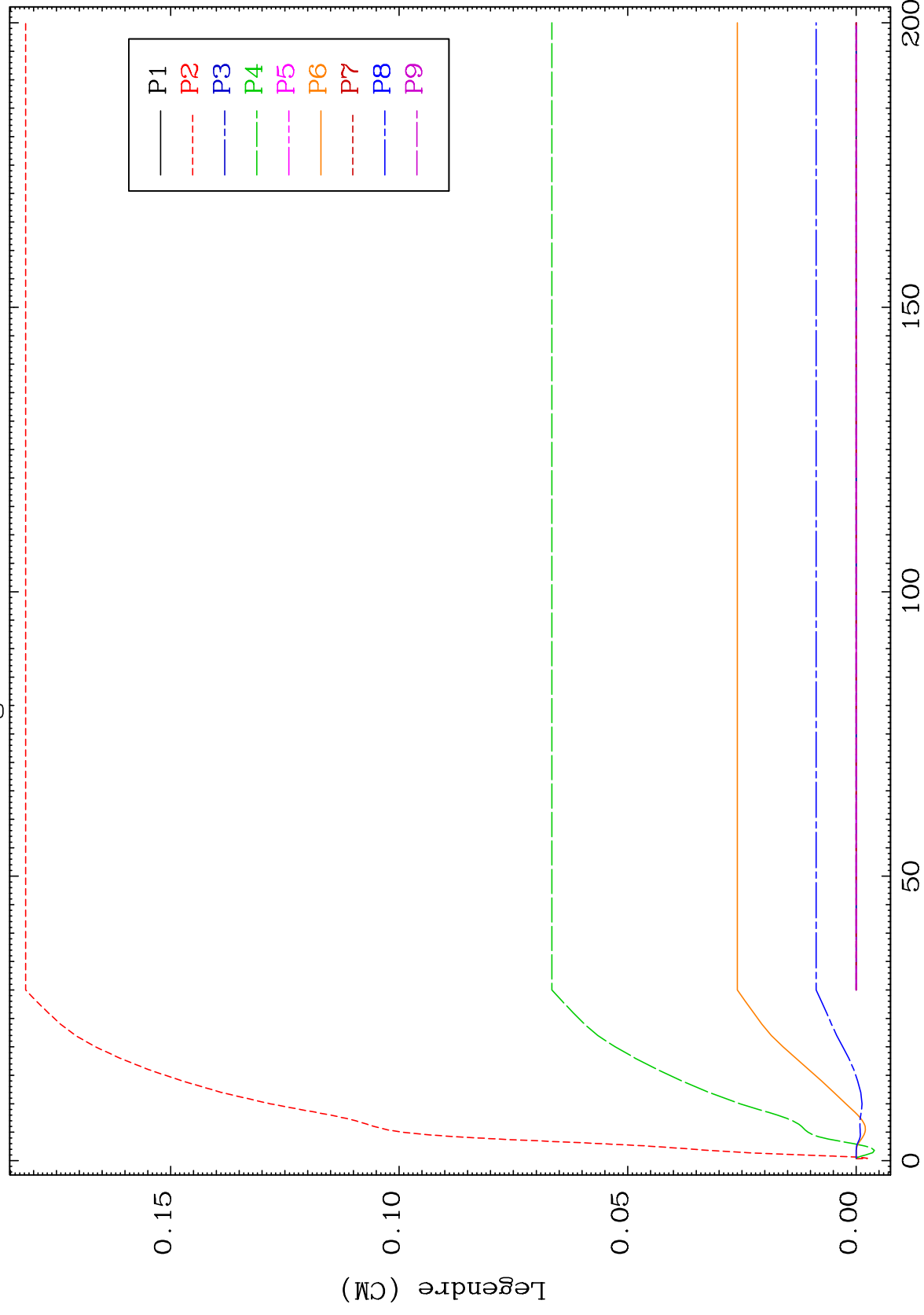
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54-Xe-127

MAT 5434

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

54-Xe-127



54-Xe-127

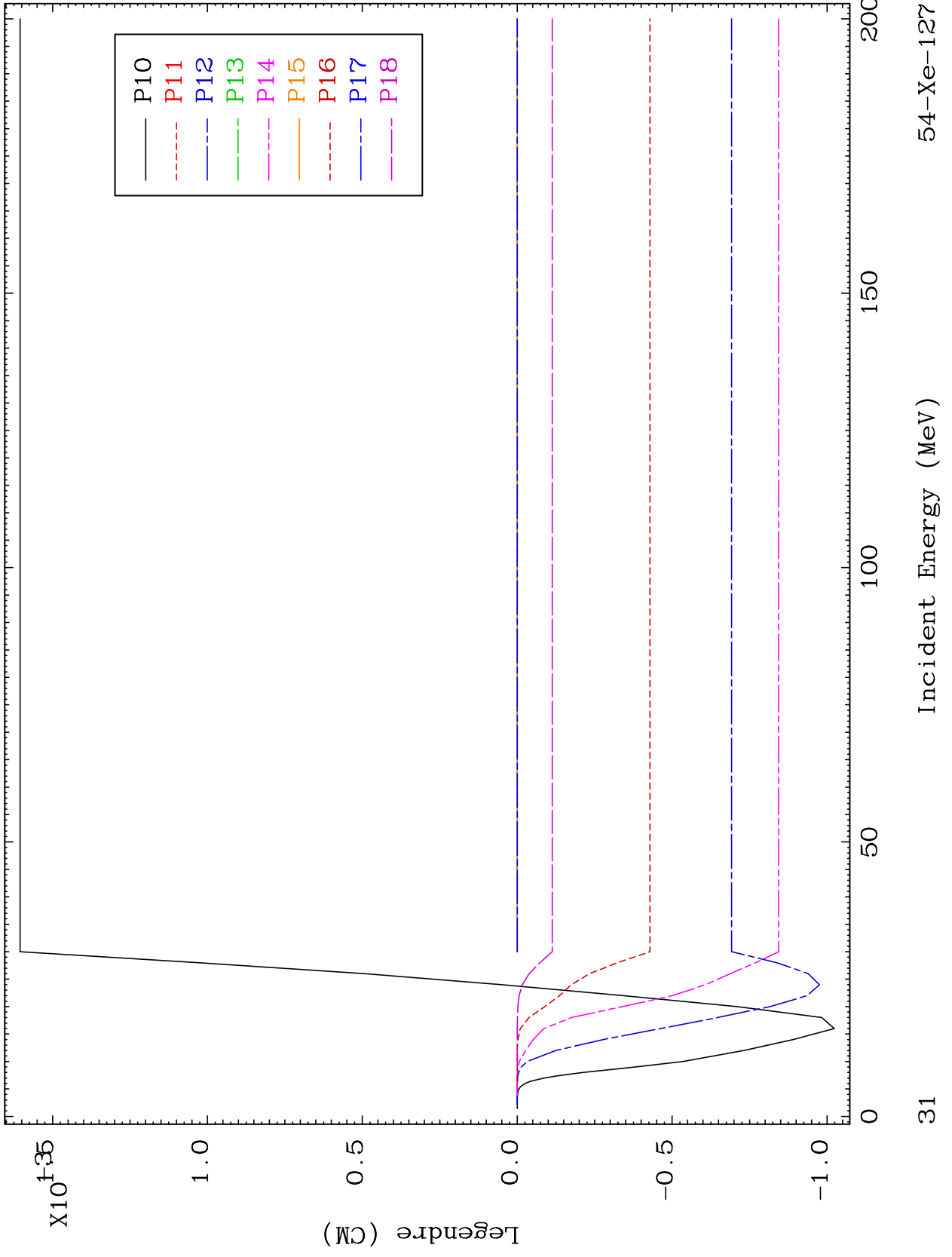
Incident Energy (MeV)

30

MAT 5434

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

54-Xe-127



31

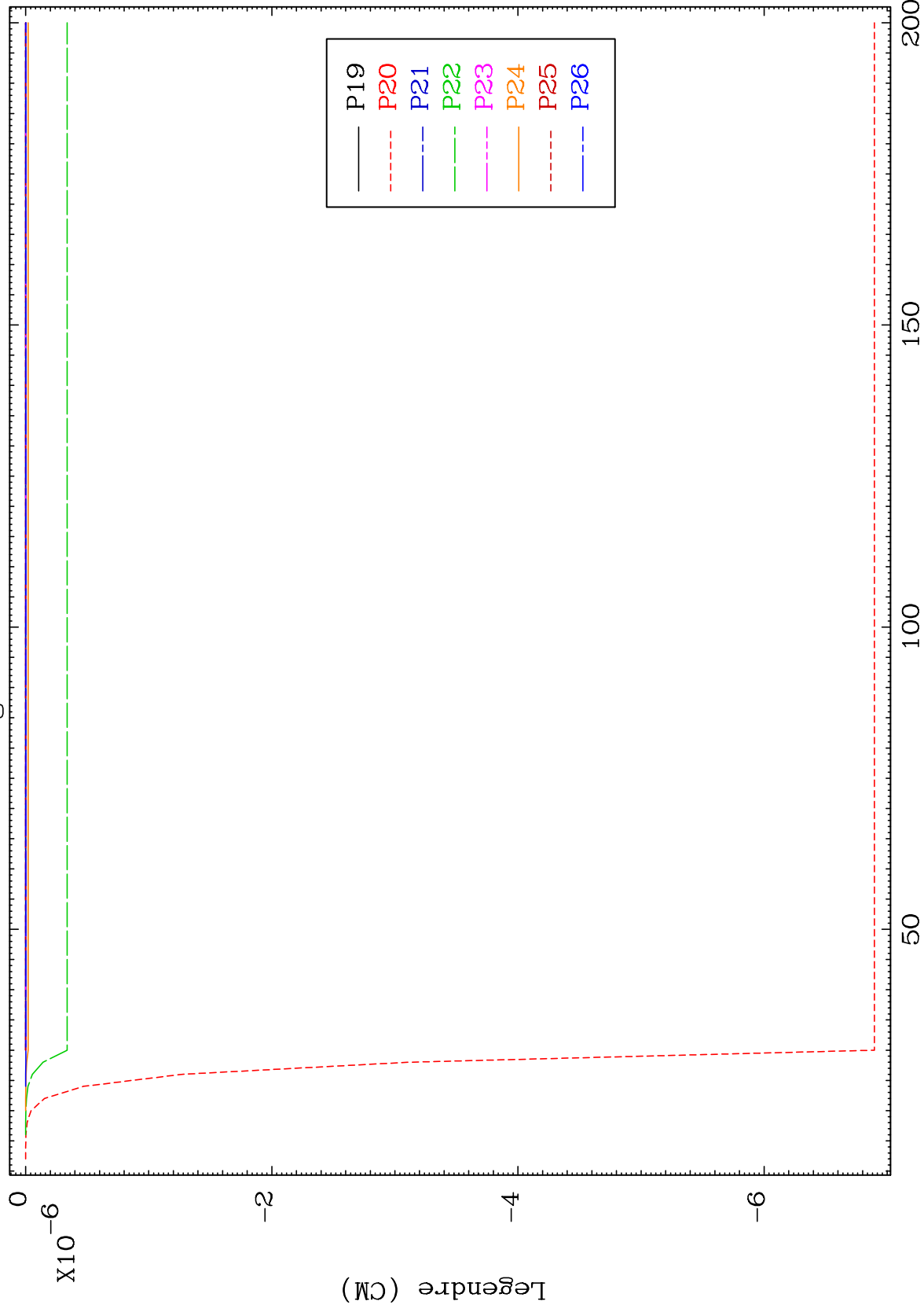
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



32

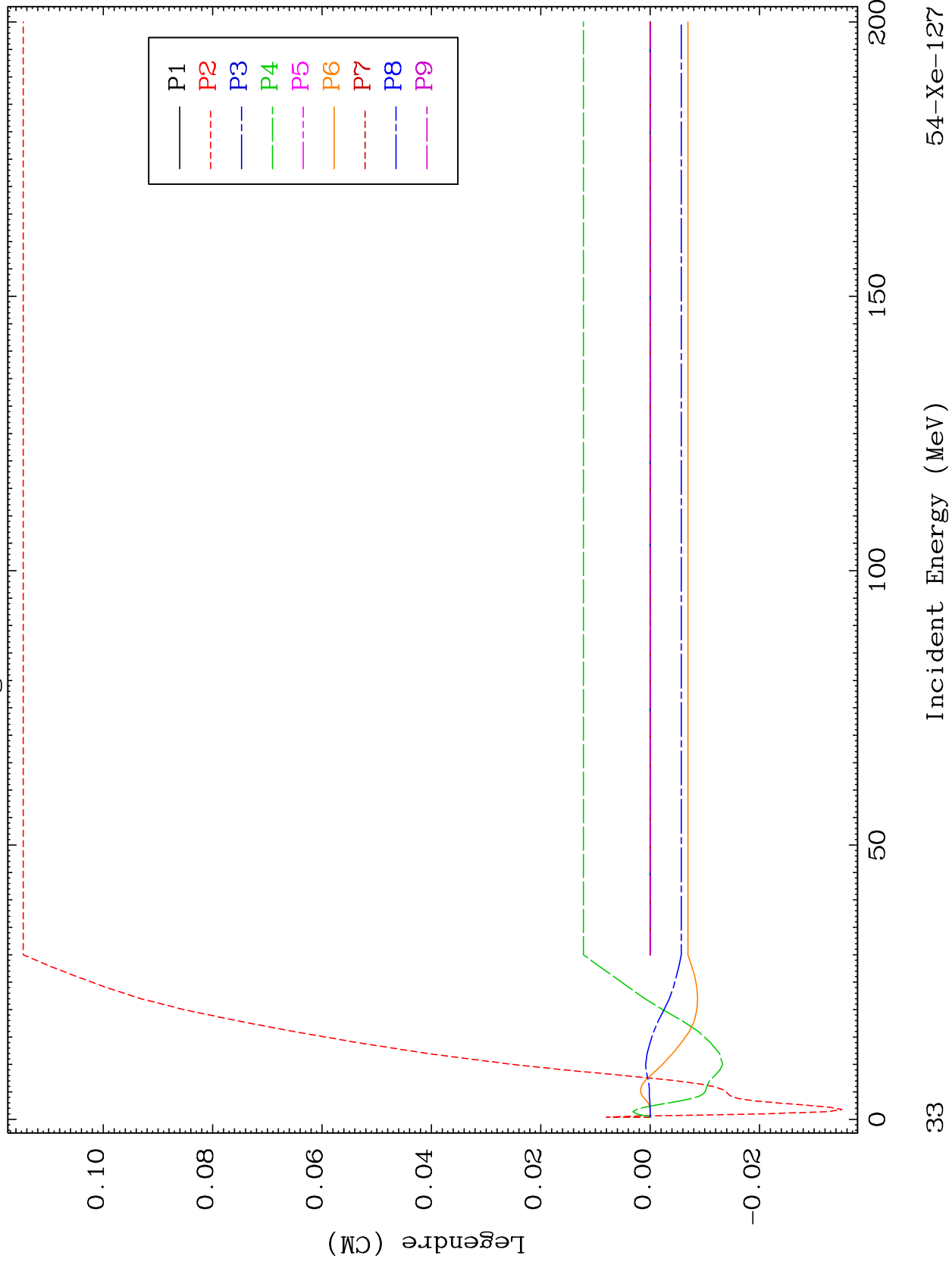
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



54-Xe-127

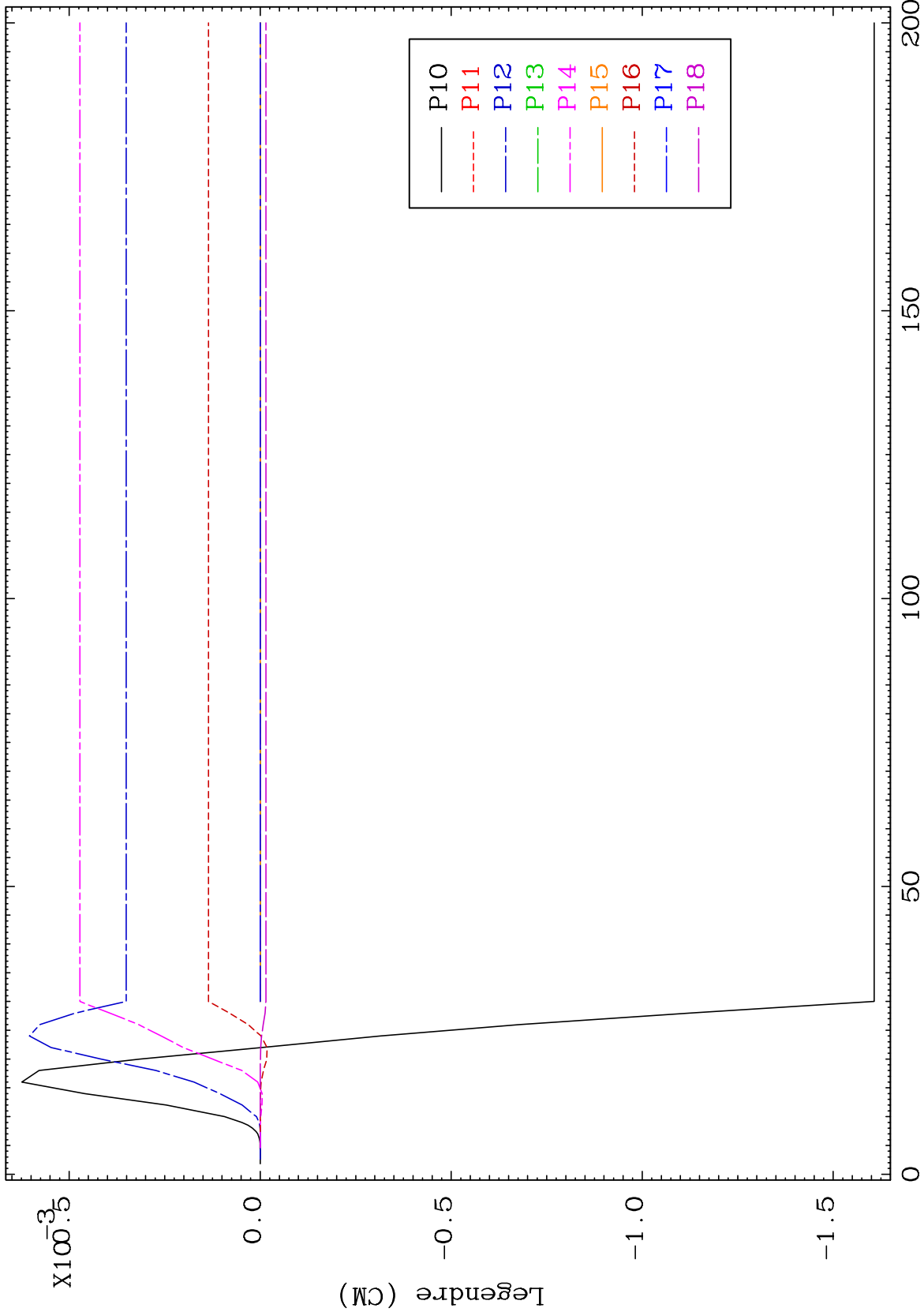
Incident Energy (MeV)

33

MAT 5434

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

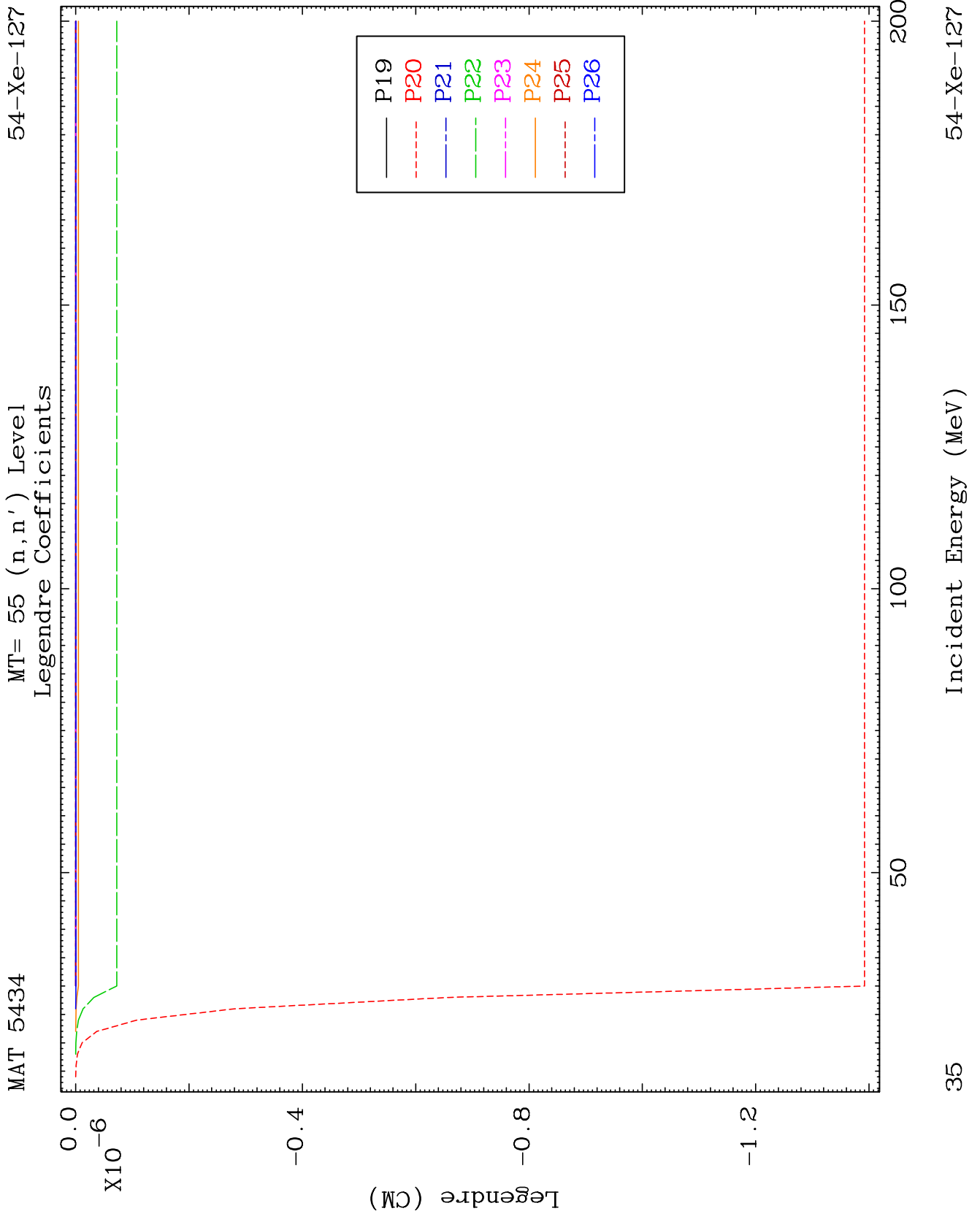
54-Xe-127



34

Incident Energy (MeV)

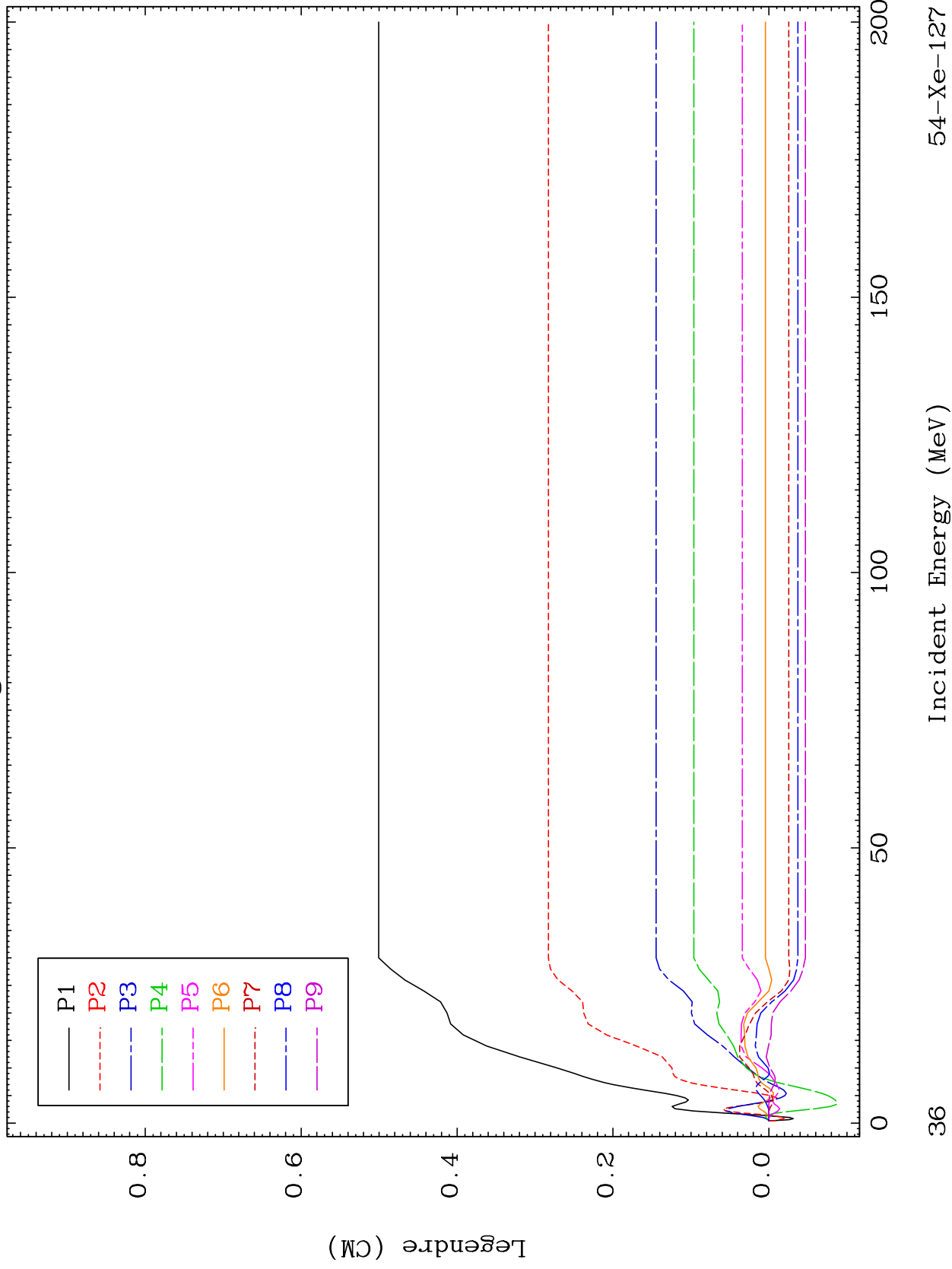
54-Xe-127



MAT 5434

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

54-Xe-127



36

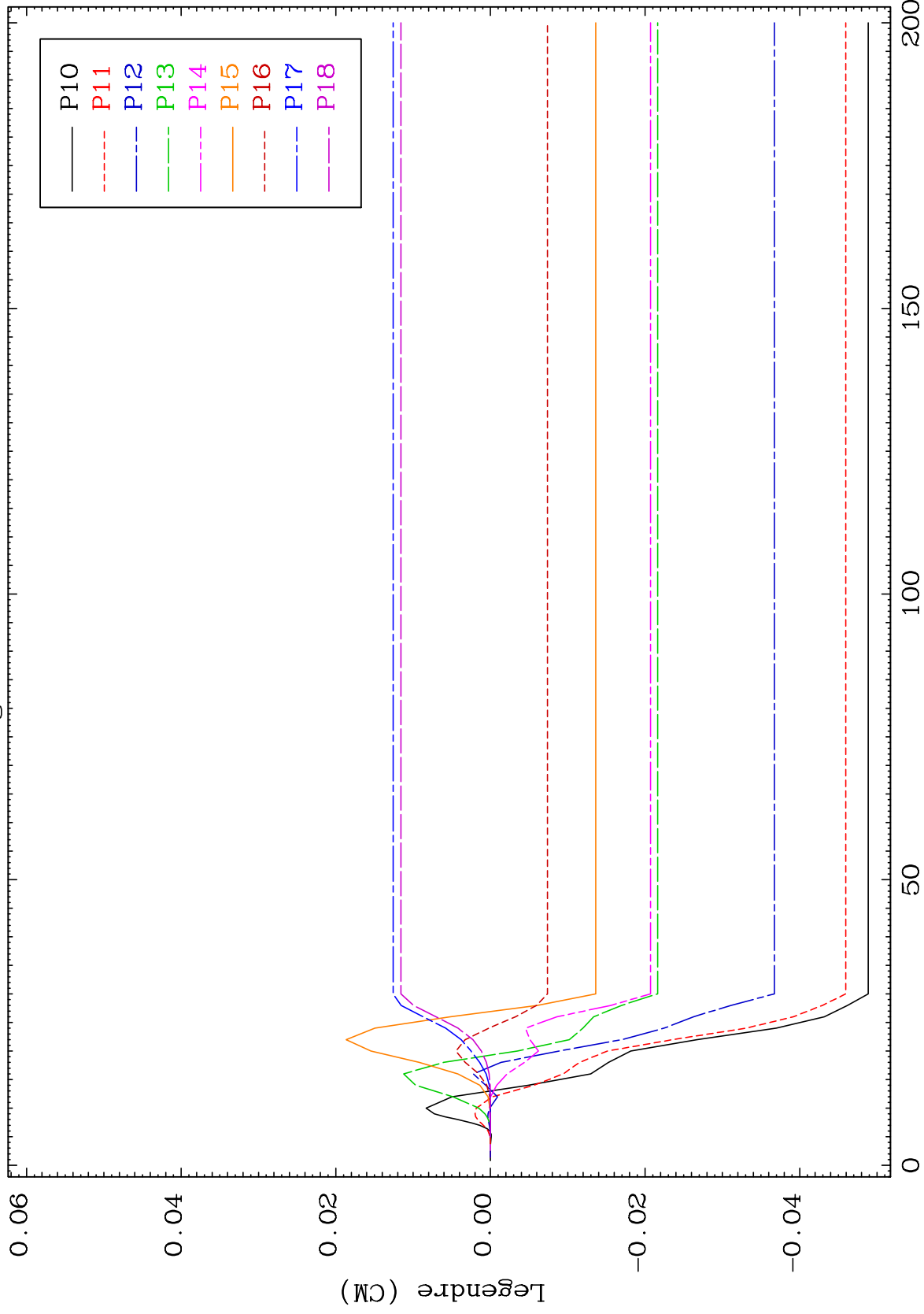
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



37

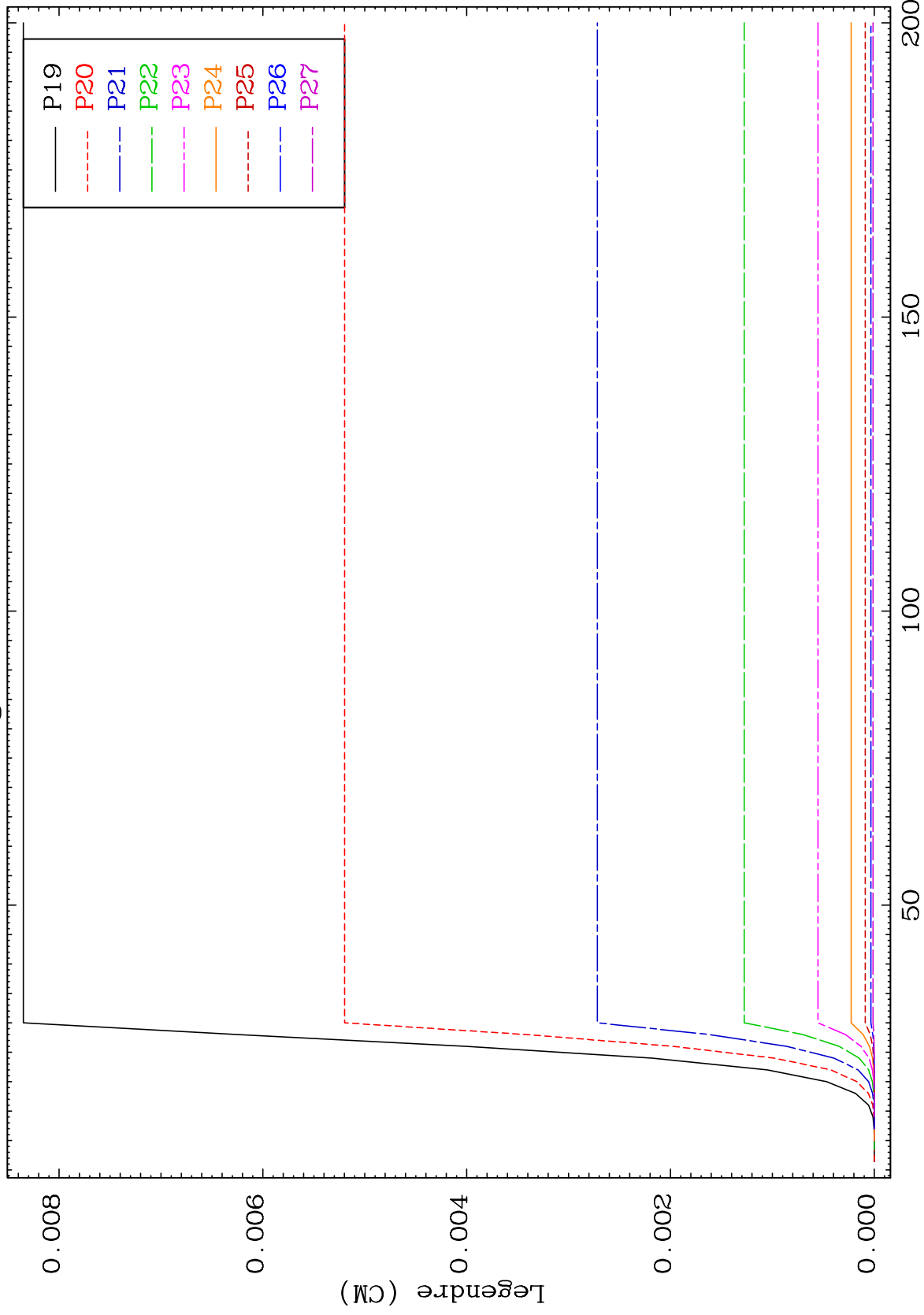
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



38

Incident Energy (MeV)

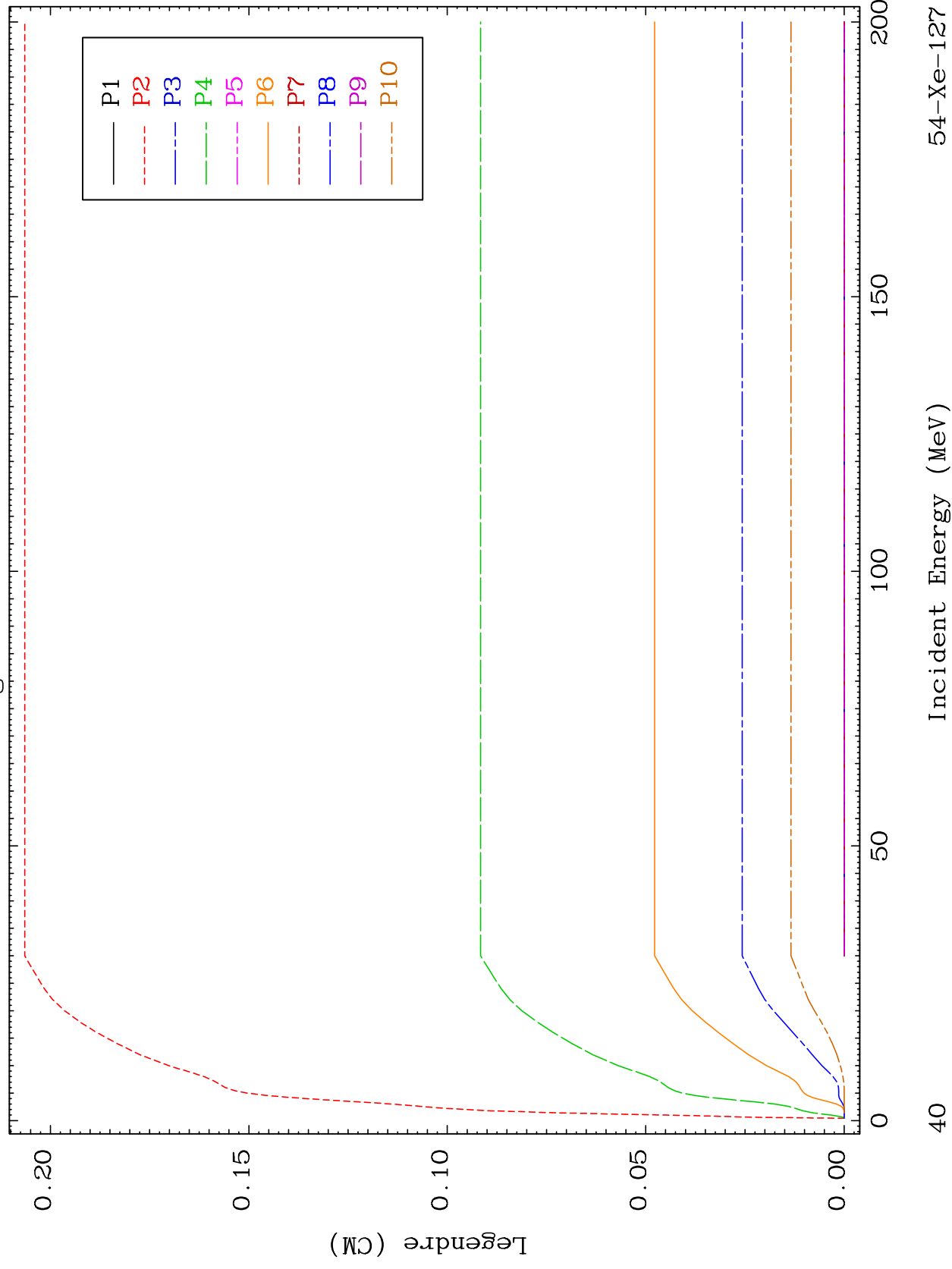
54-Xe-127



MAT 5434

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

54-Xe-127



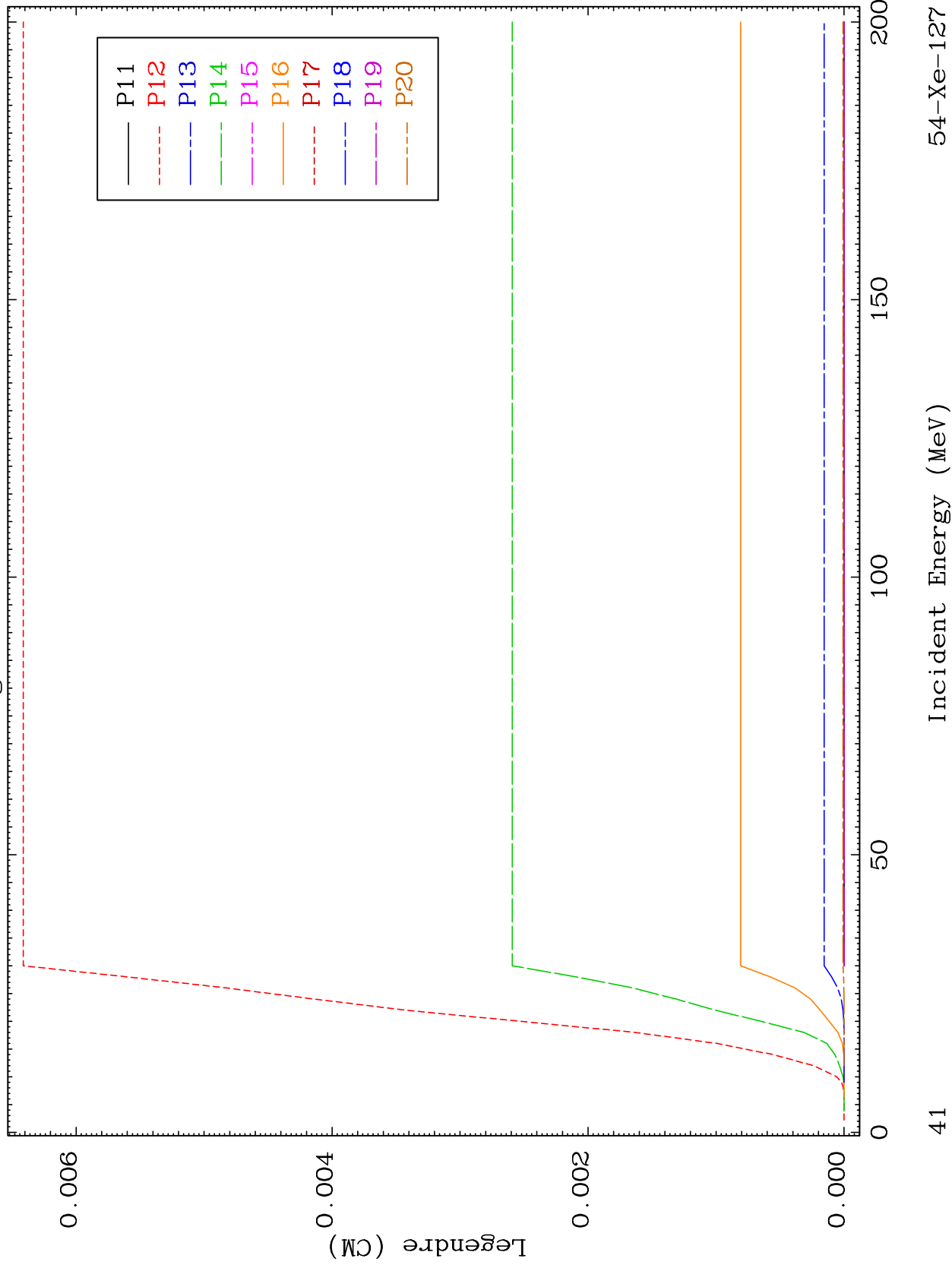
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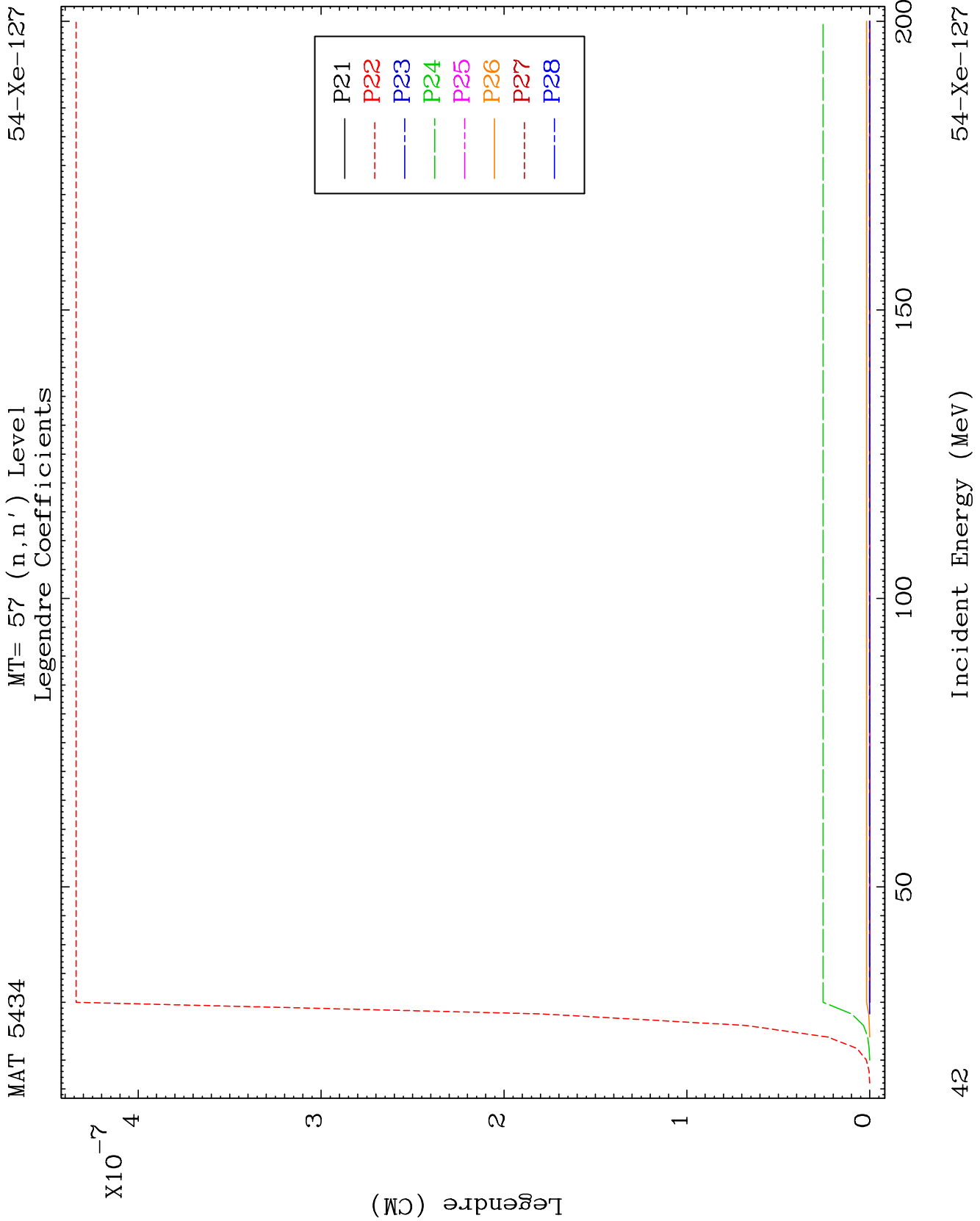
Incident Energy (MeV)

MAT 5434

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

54-Xe-127

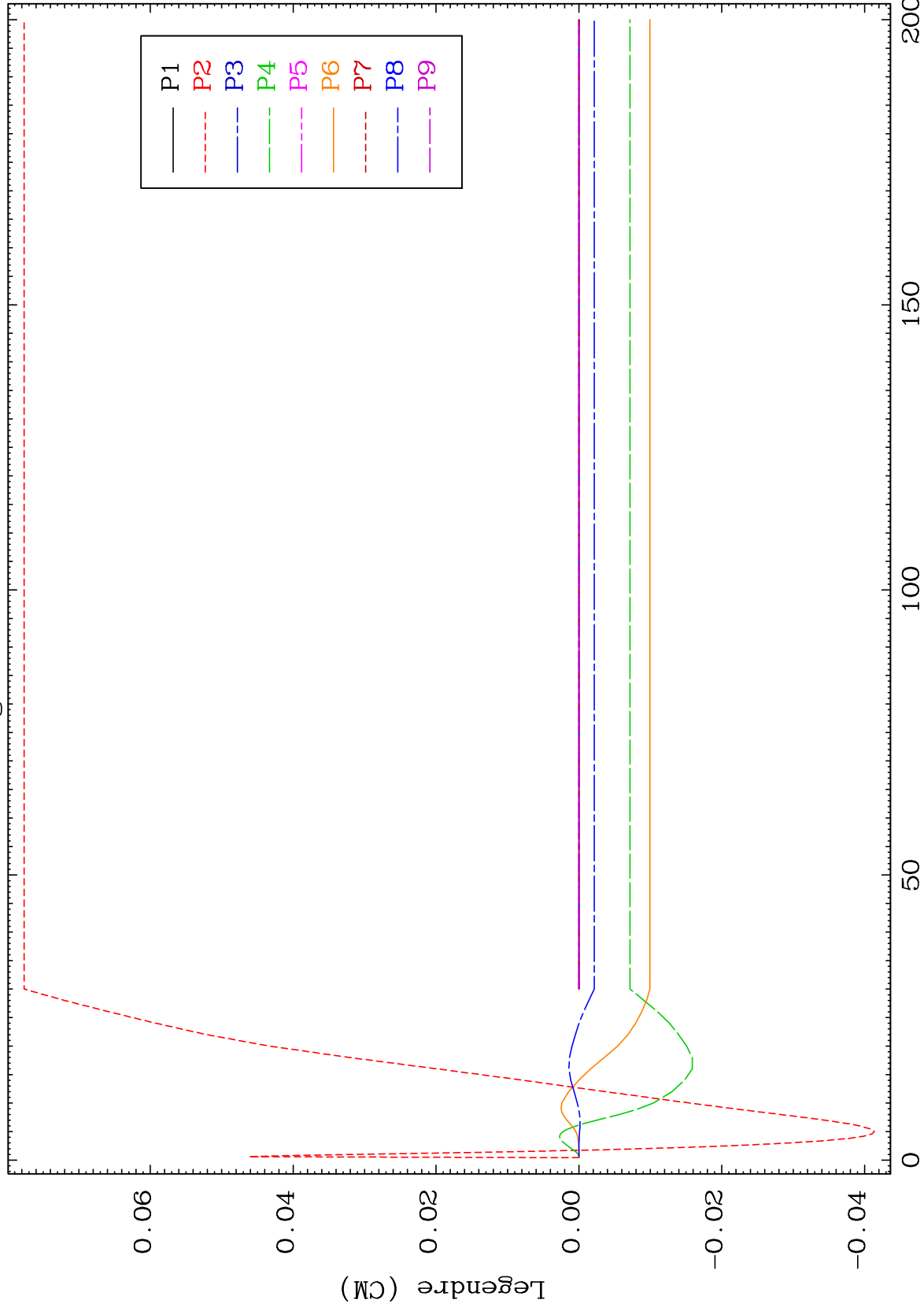




MAT 5434

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

54-Xe-127



43

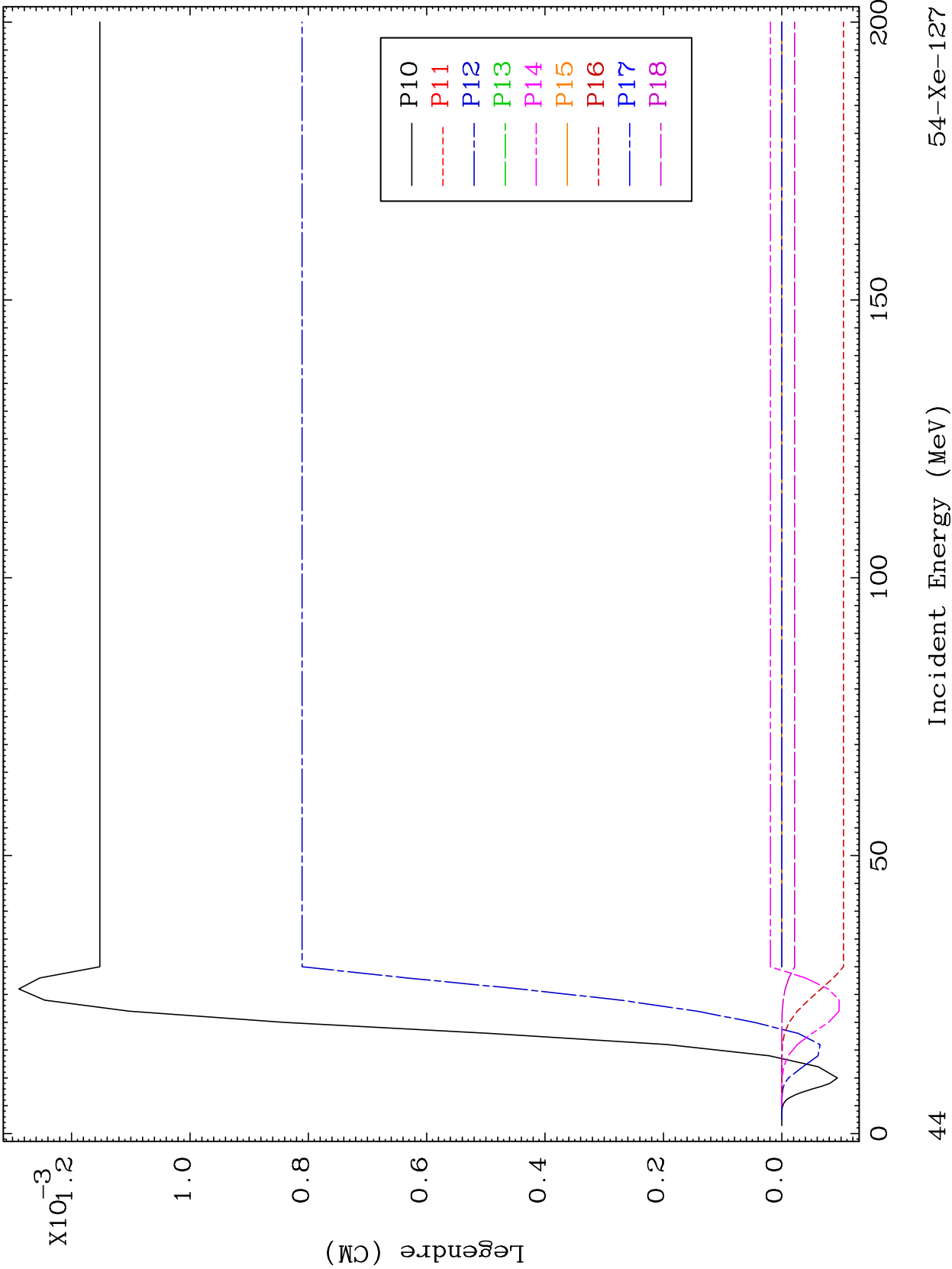
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

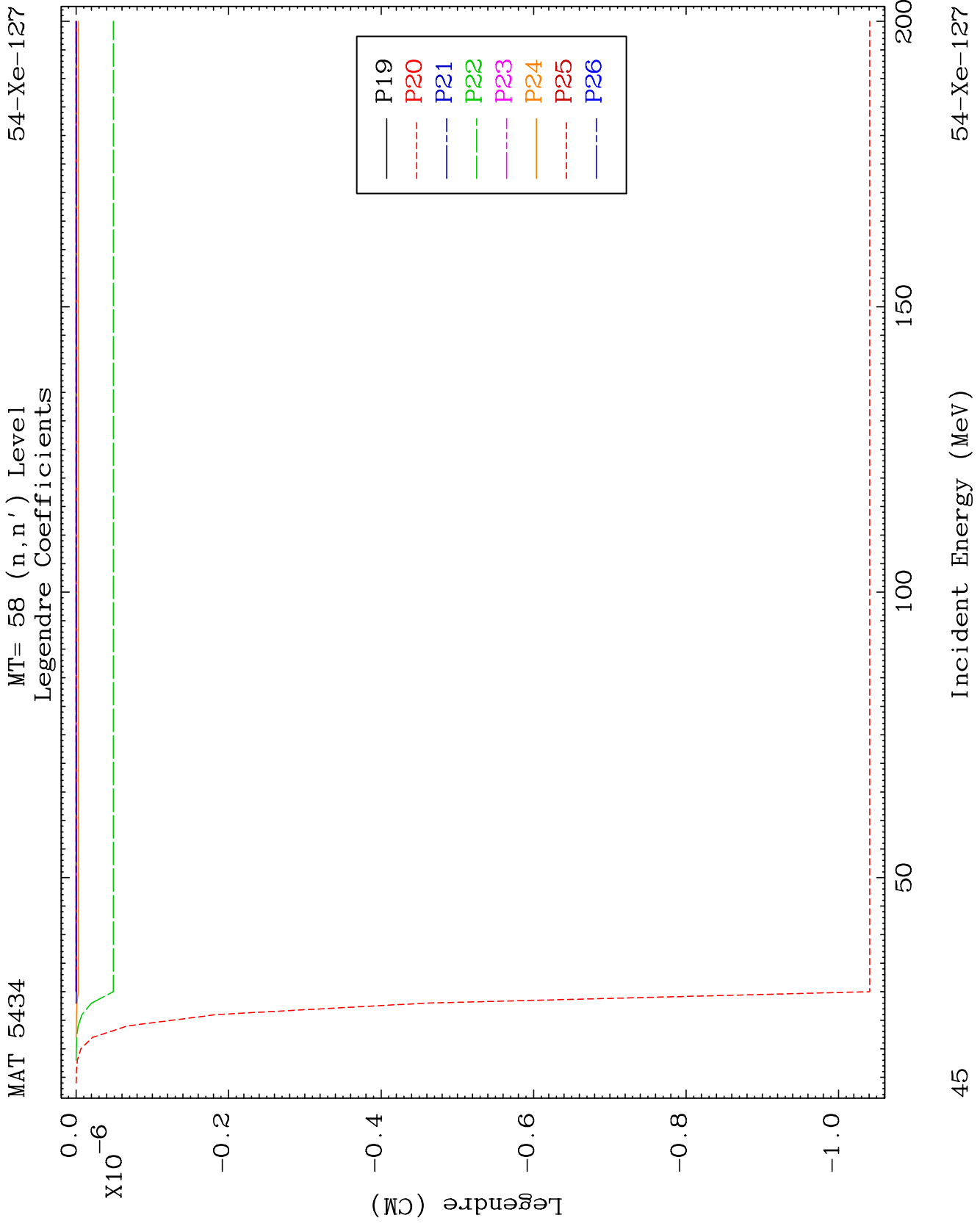
54-Xe-127



54-Xe-127

Incident Energy (MeV)

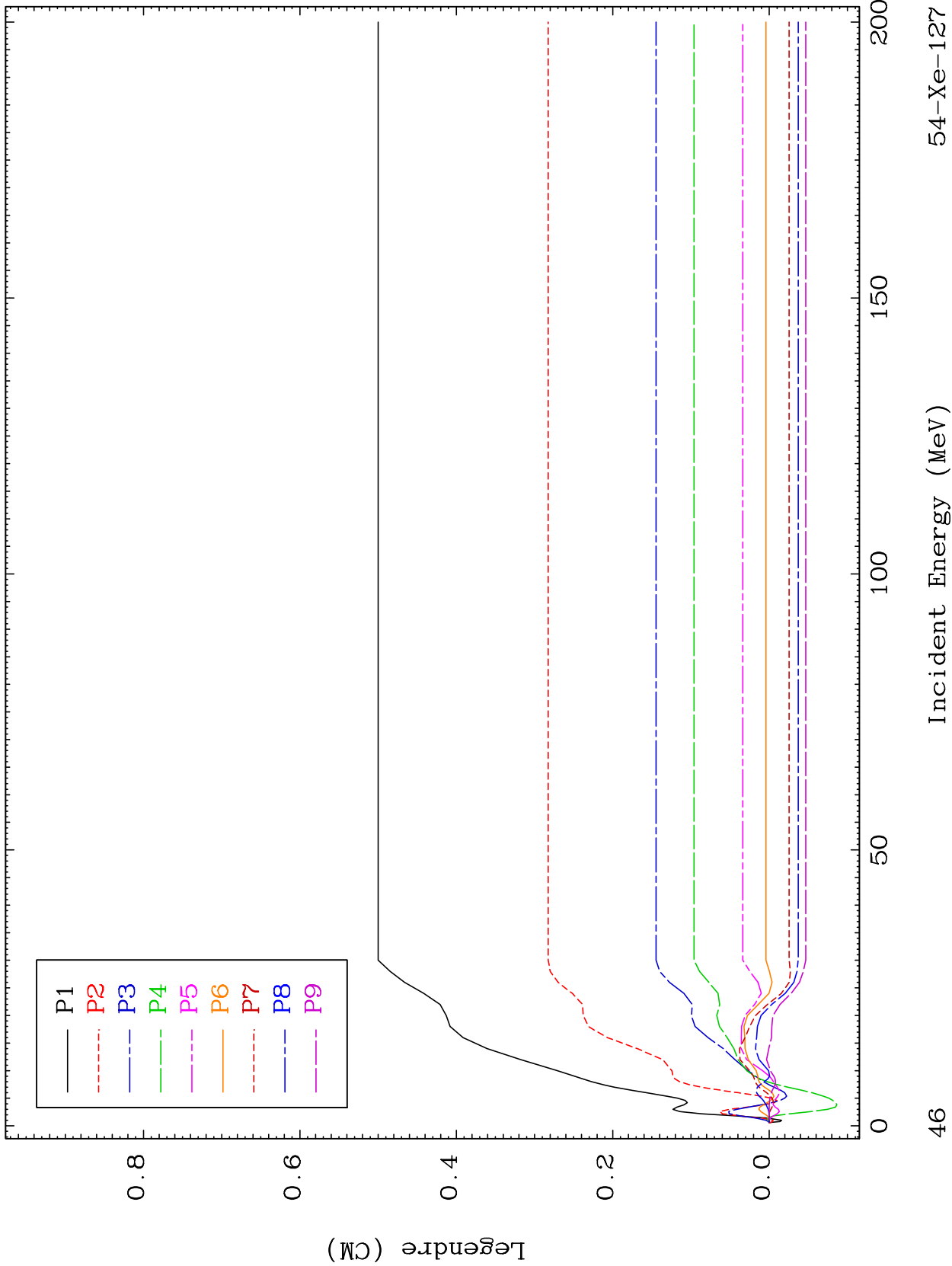
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MAT 5434

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

54-Xe-127



54-Xe-127

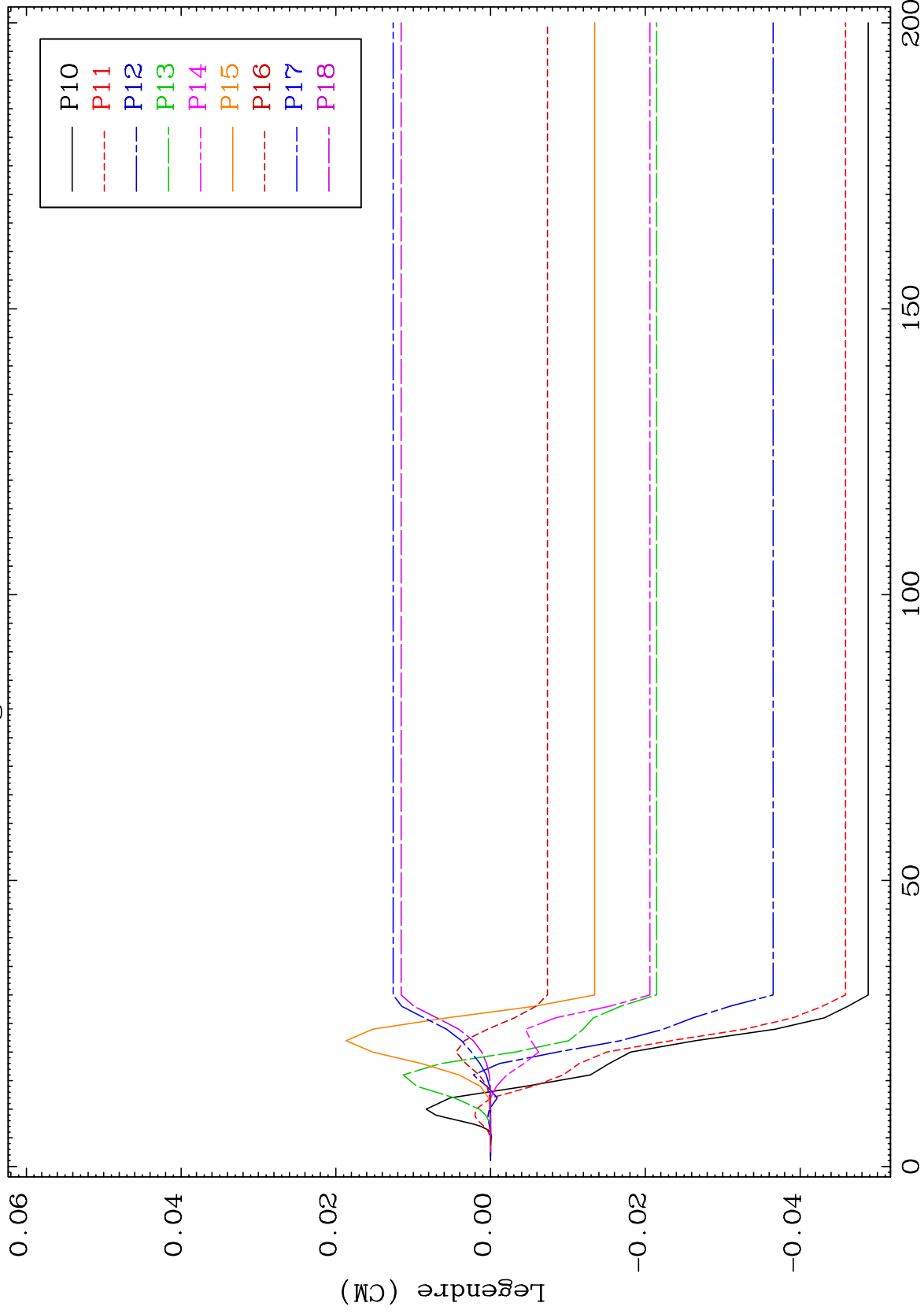
Incident Energy (MeV)

46

MAT 5434

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

54-Xe-127



47

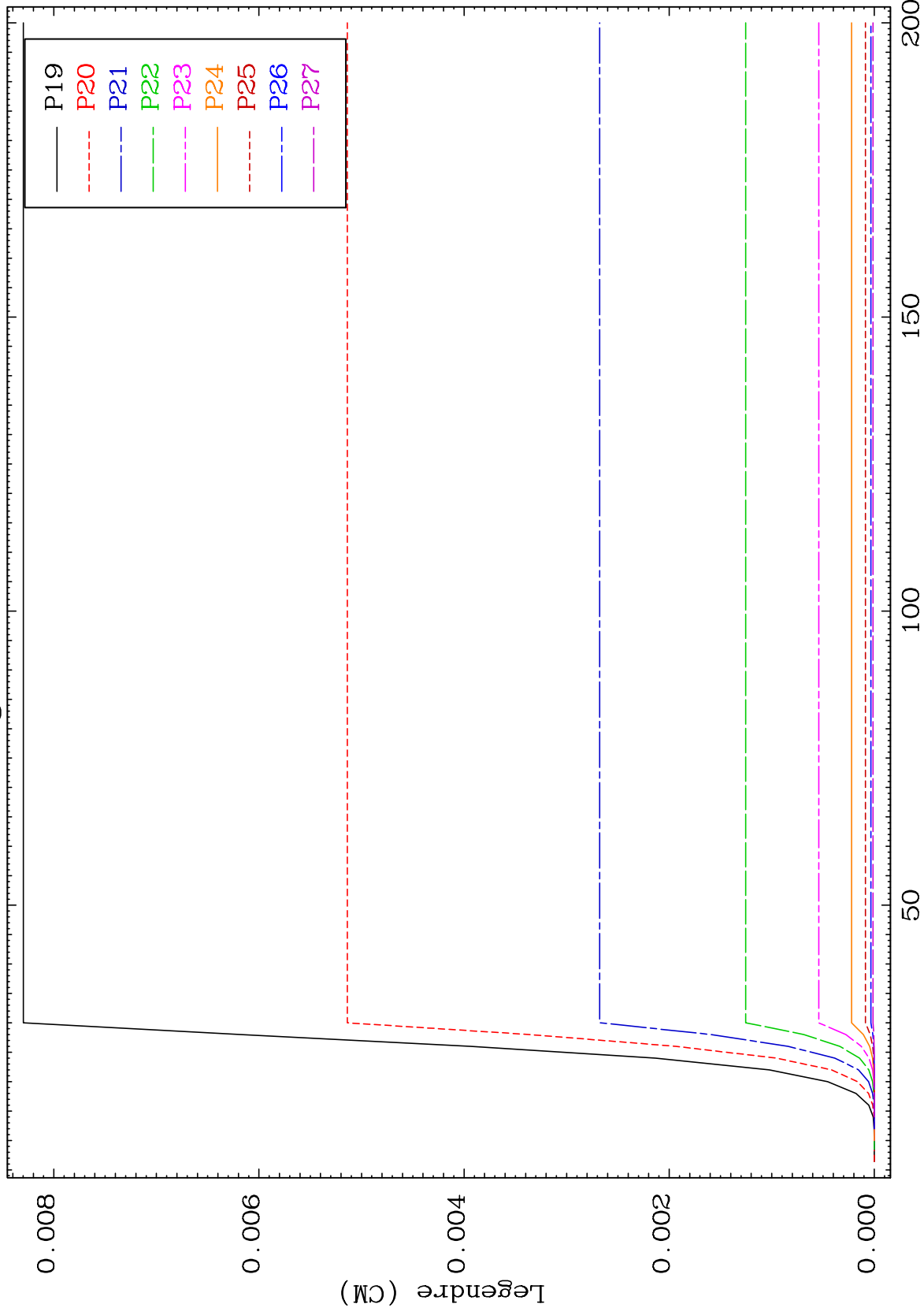
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



48

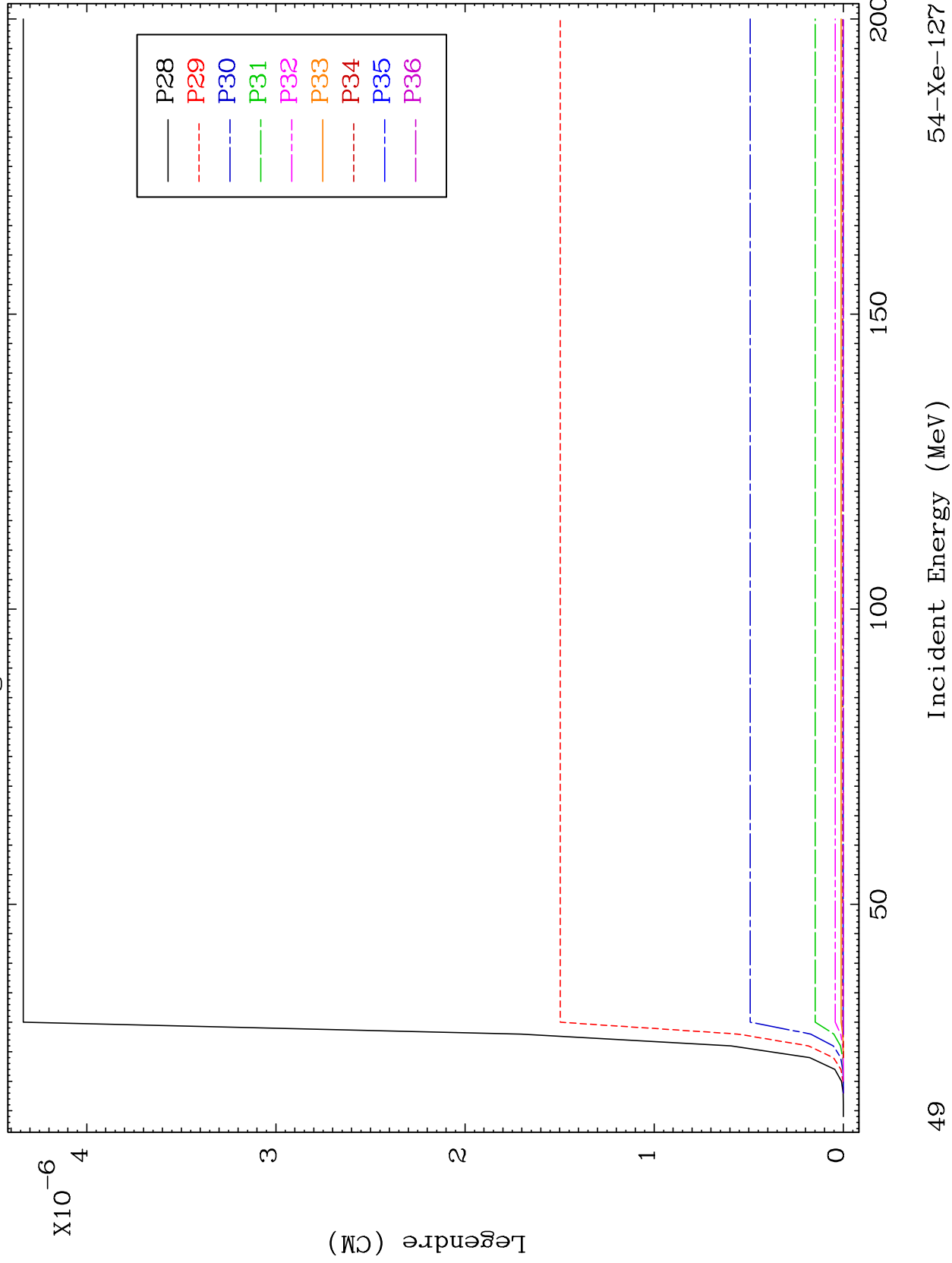
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



49

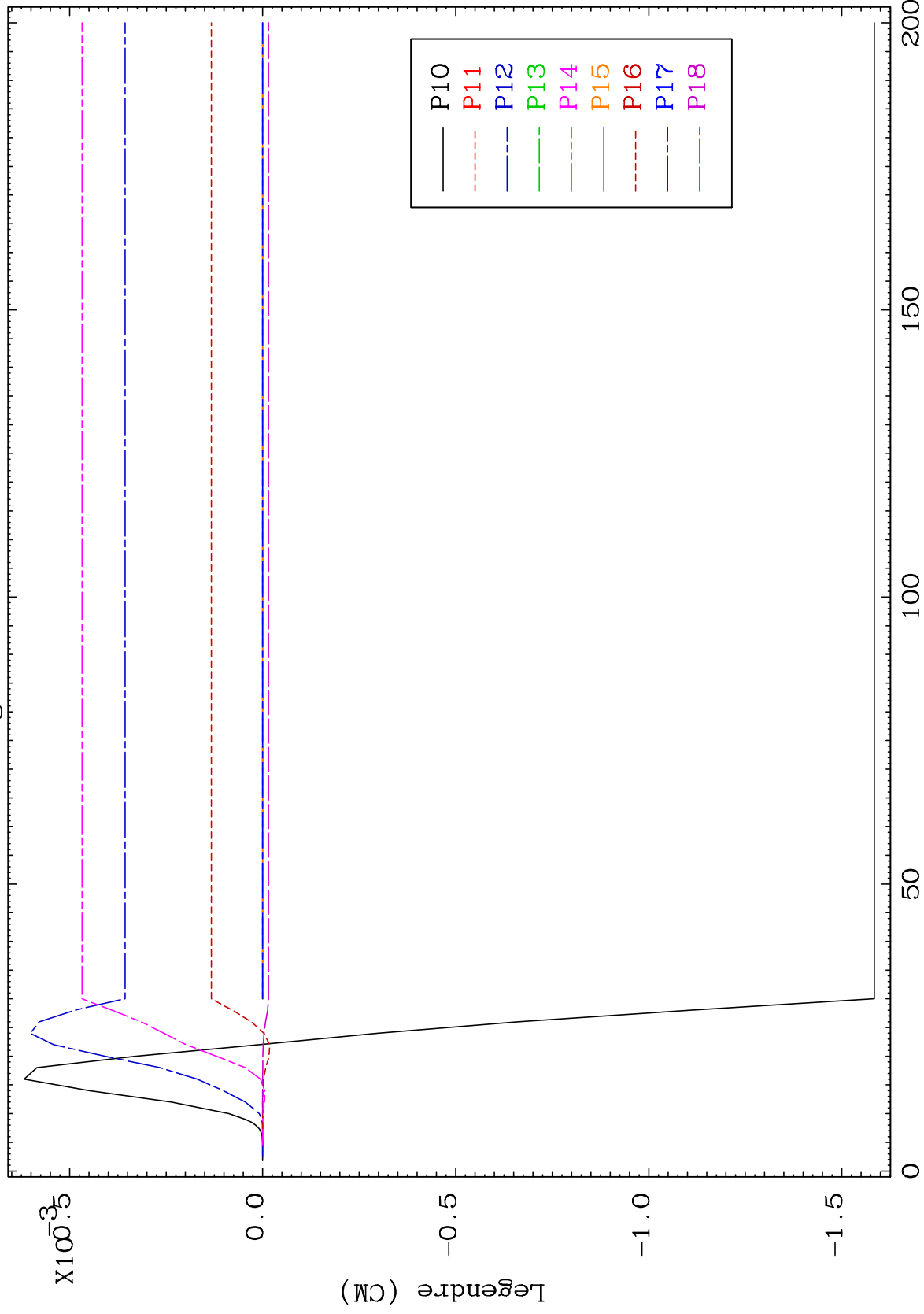
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MAT 5434

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

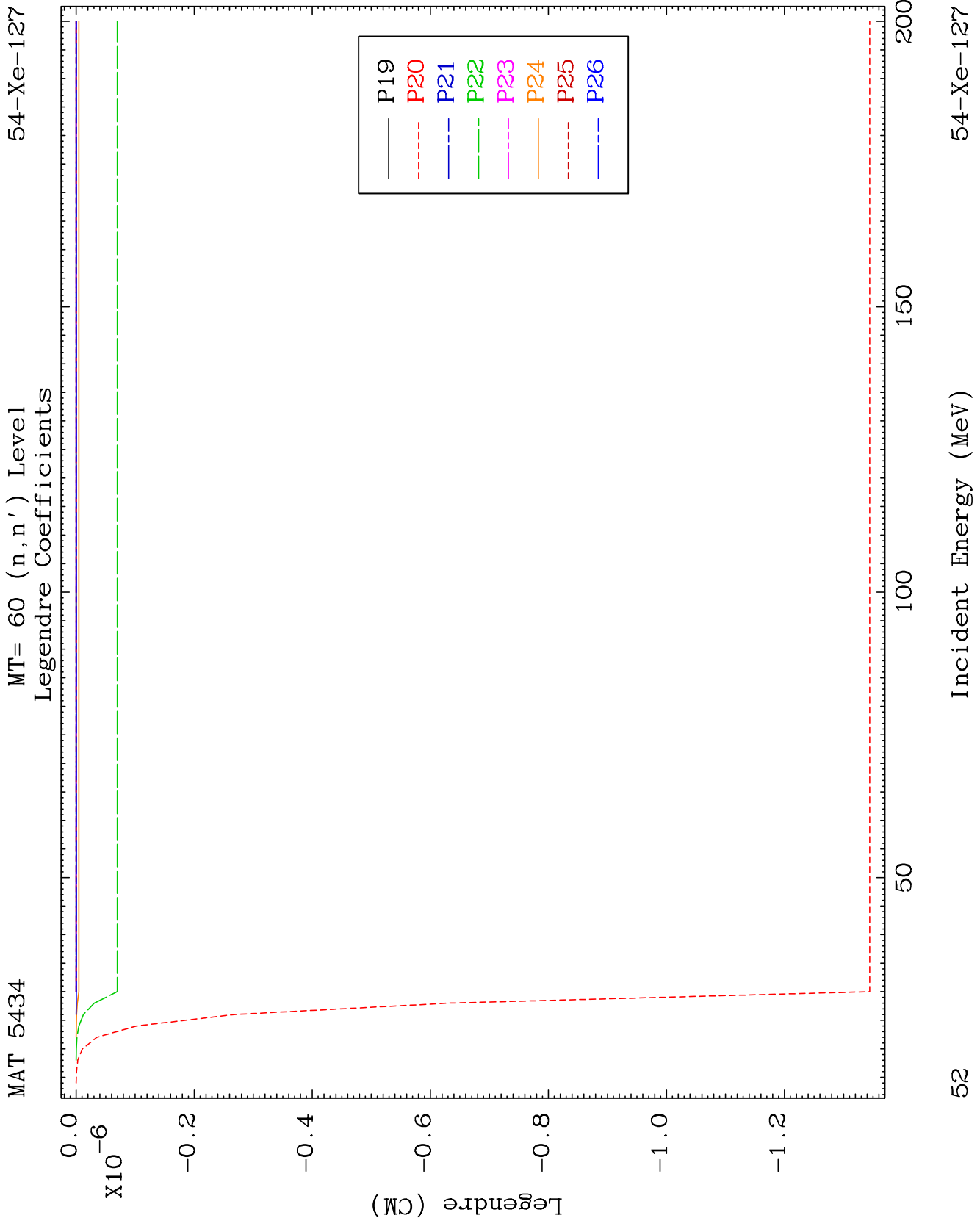
54-Xe-127



51

Incident Energy (MeV)

54-Xe-127

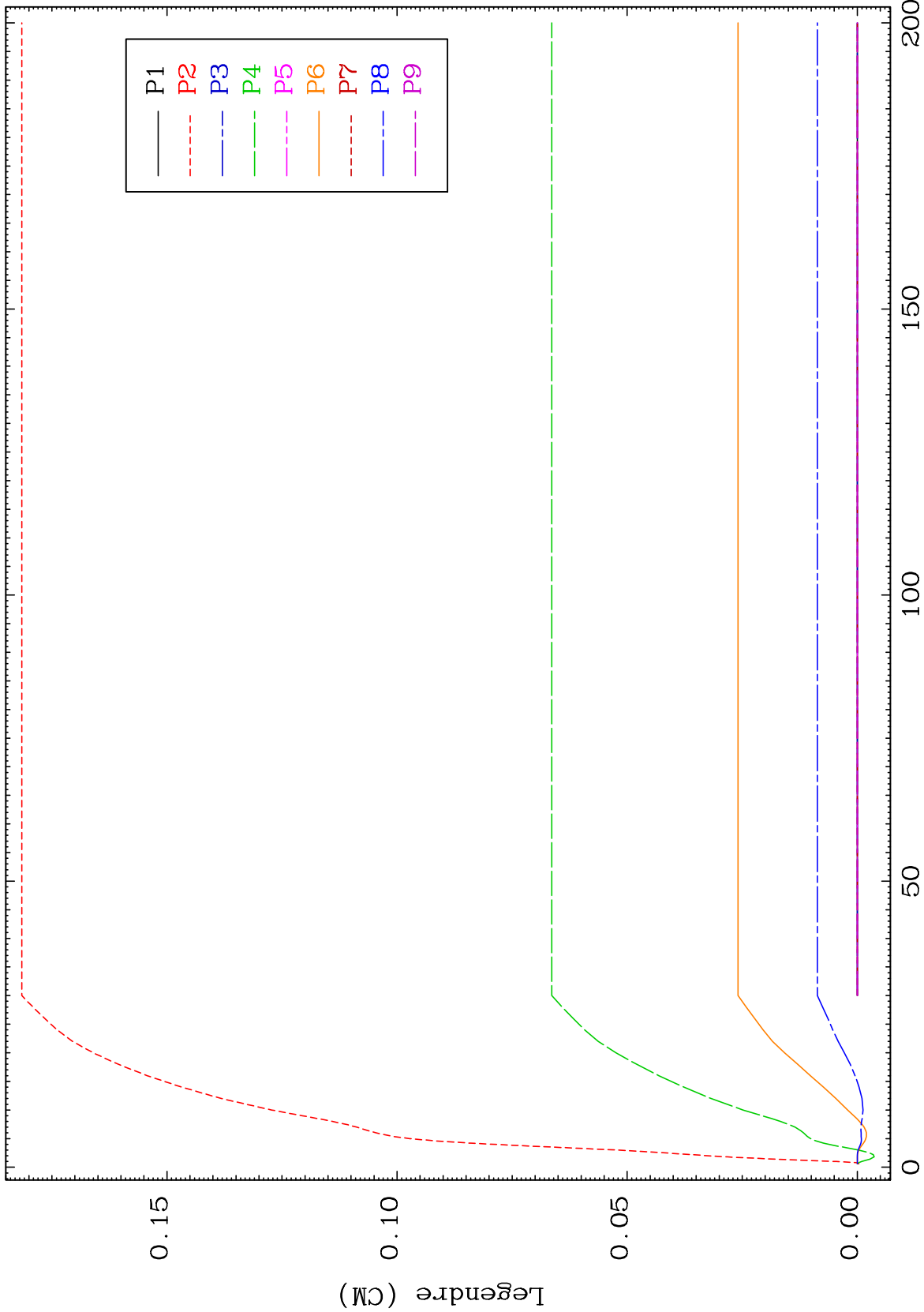


MAT 5434

MT= 61 (n,n') Level

54-Xe-127

Legendre Coefficients



53

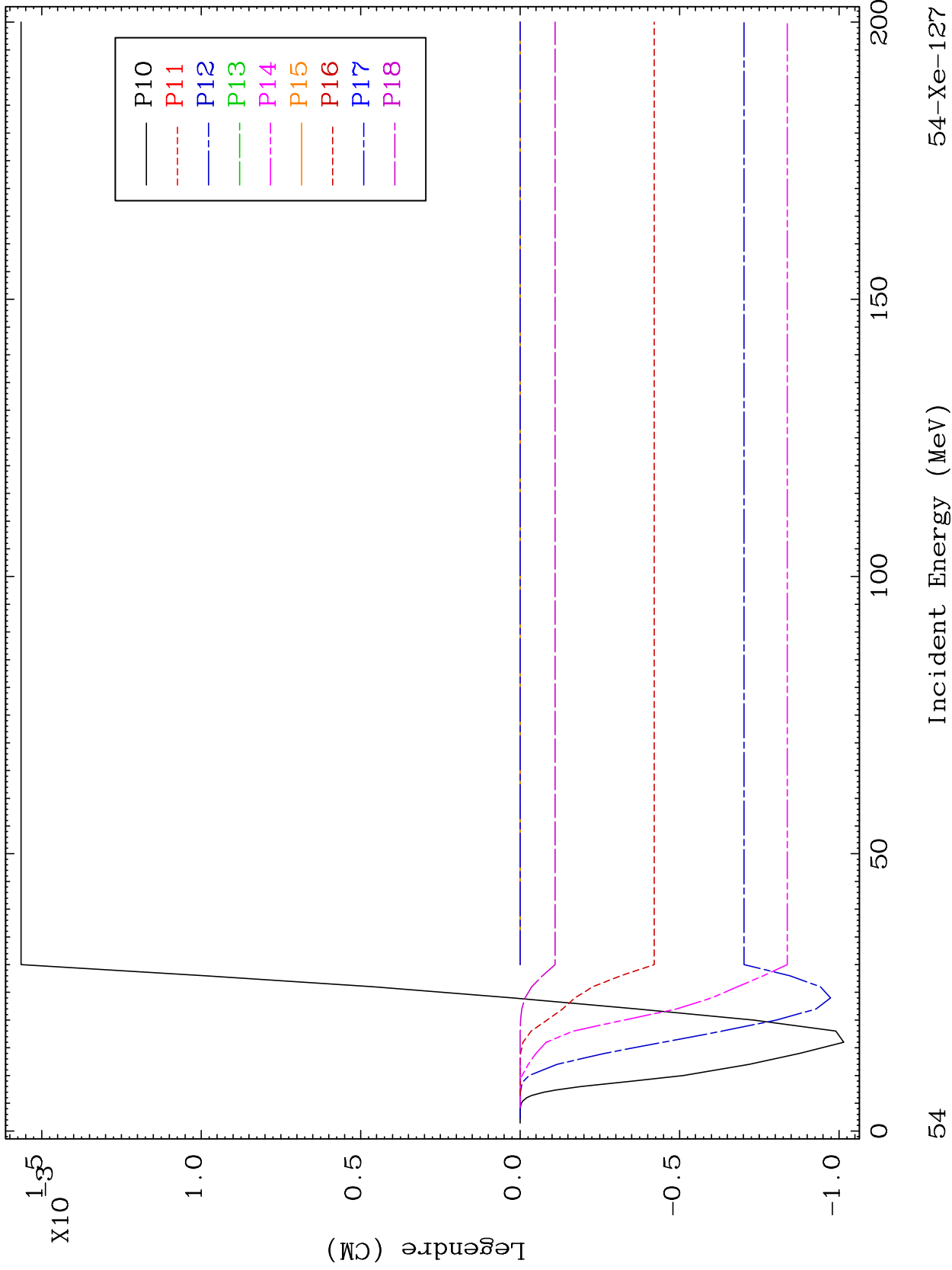
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



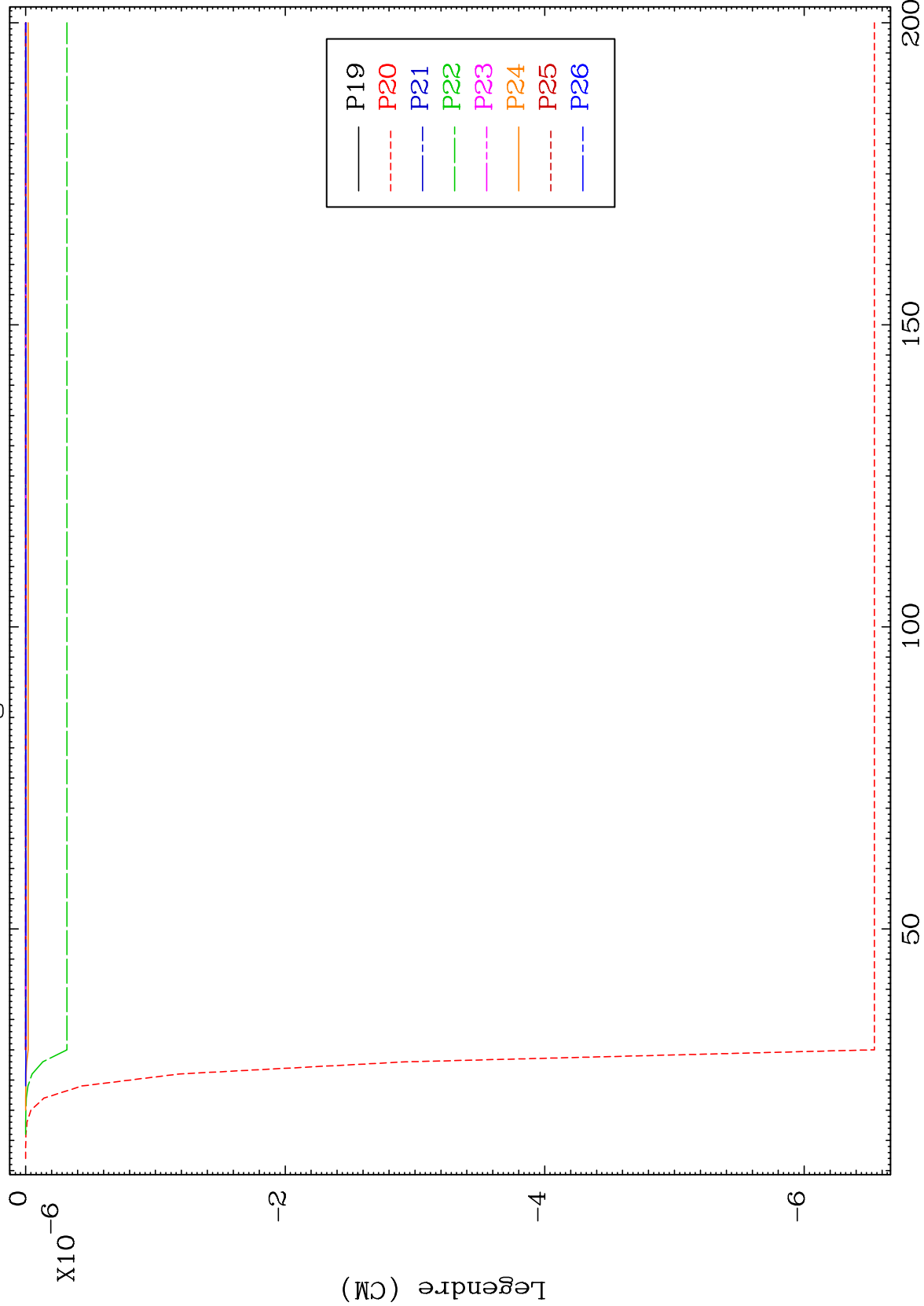
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54-Xe-127

MAT 5434

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

54-Xe-127



55

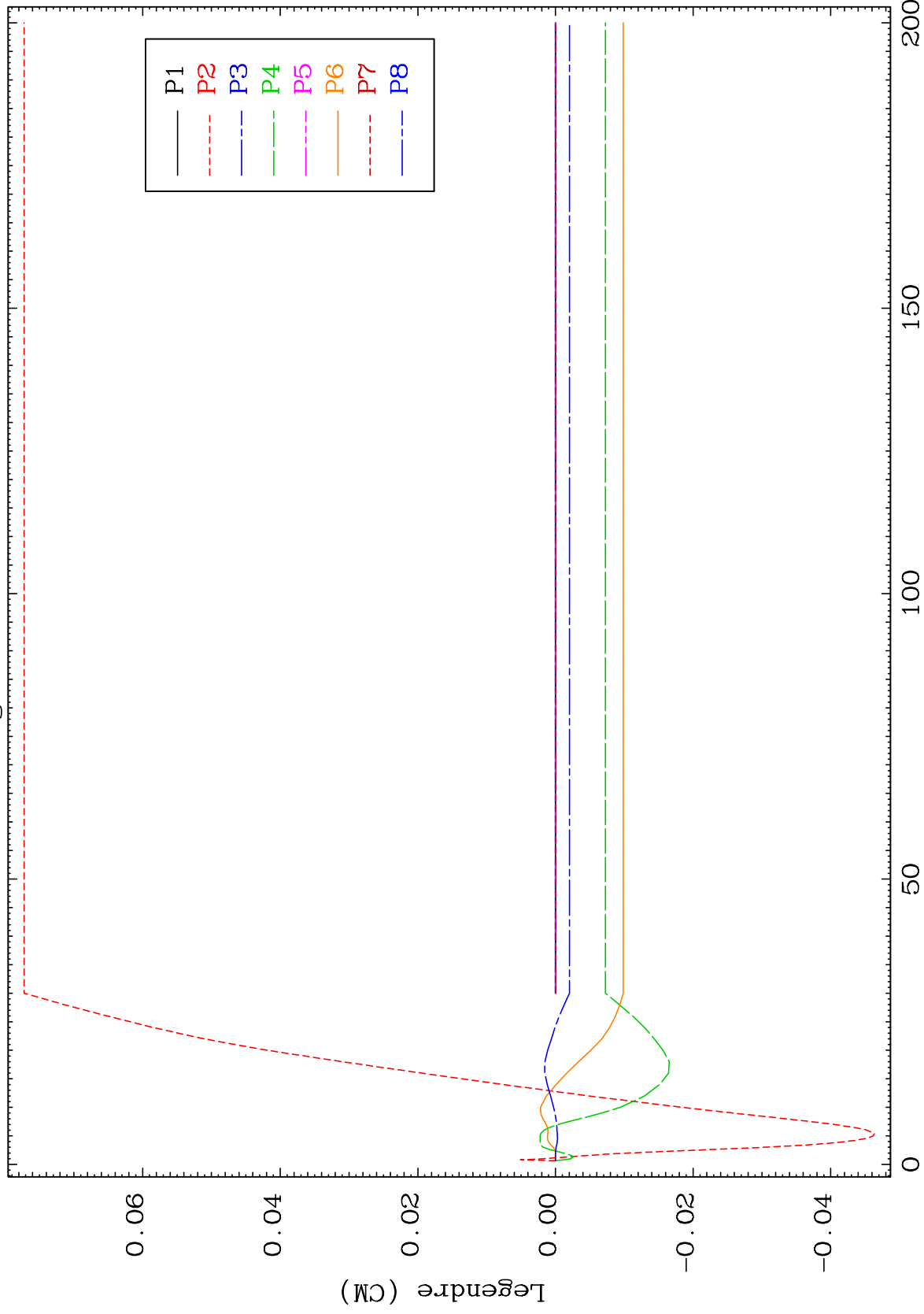
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



56

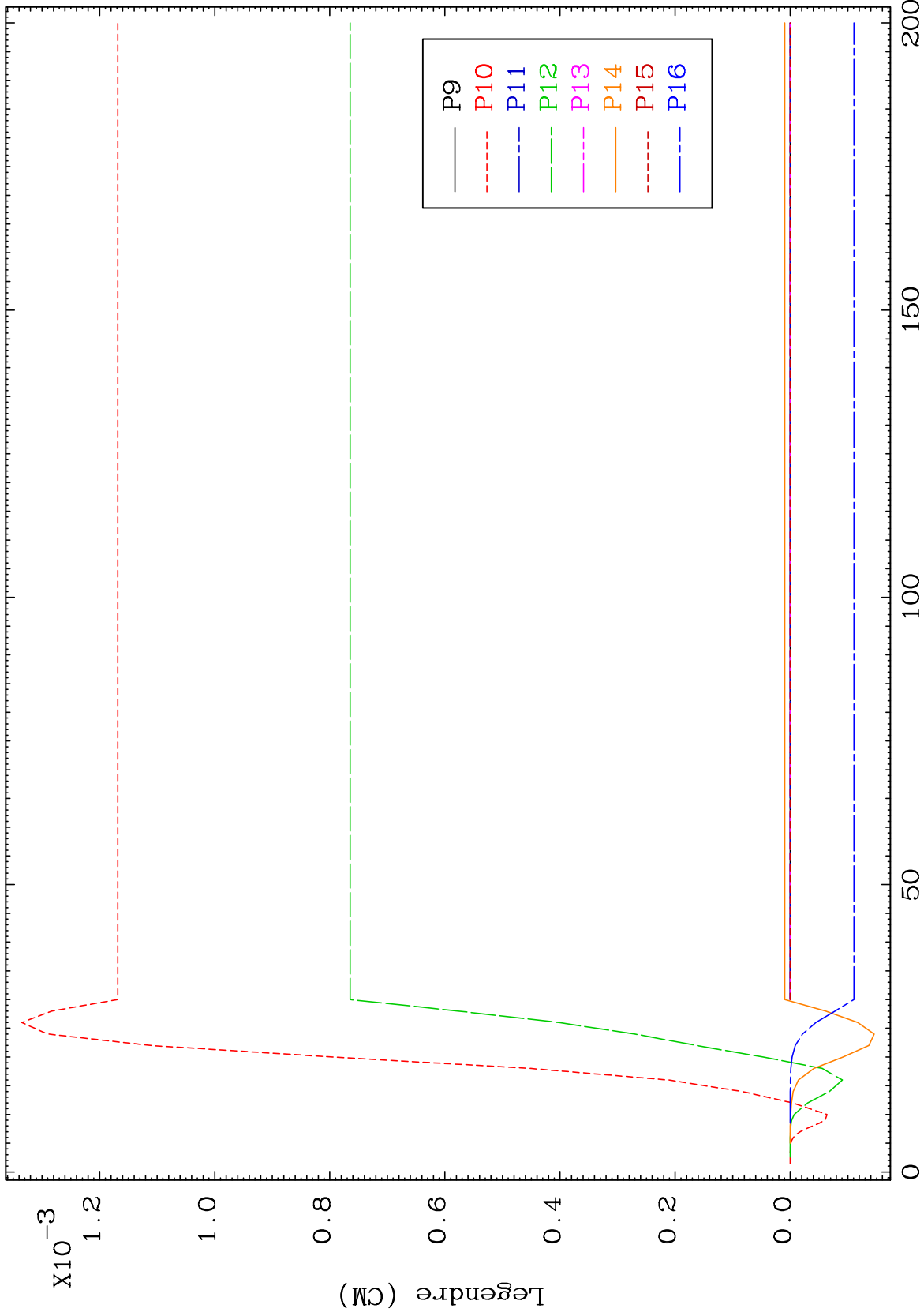
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

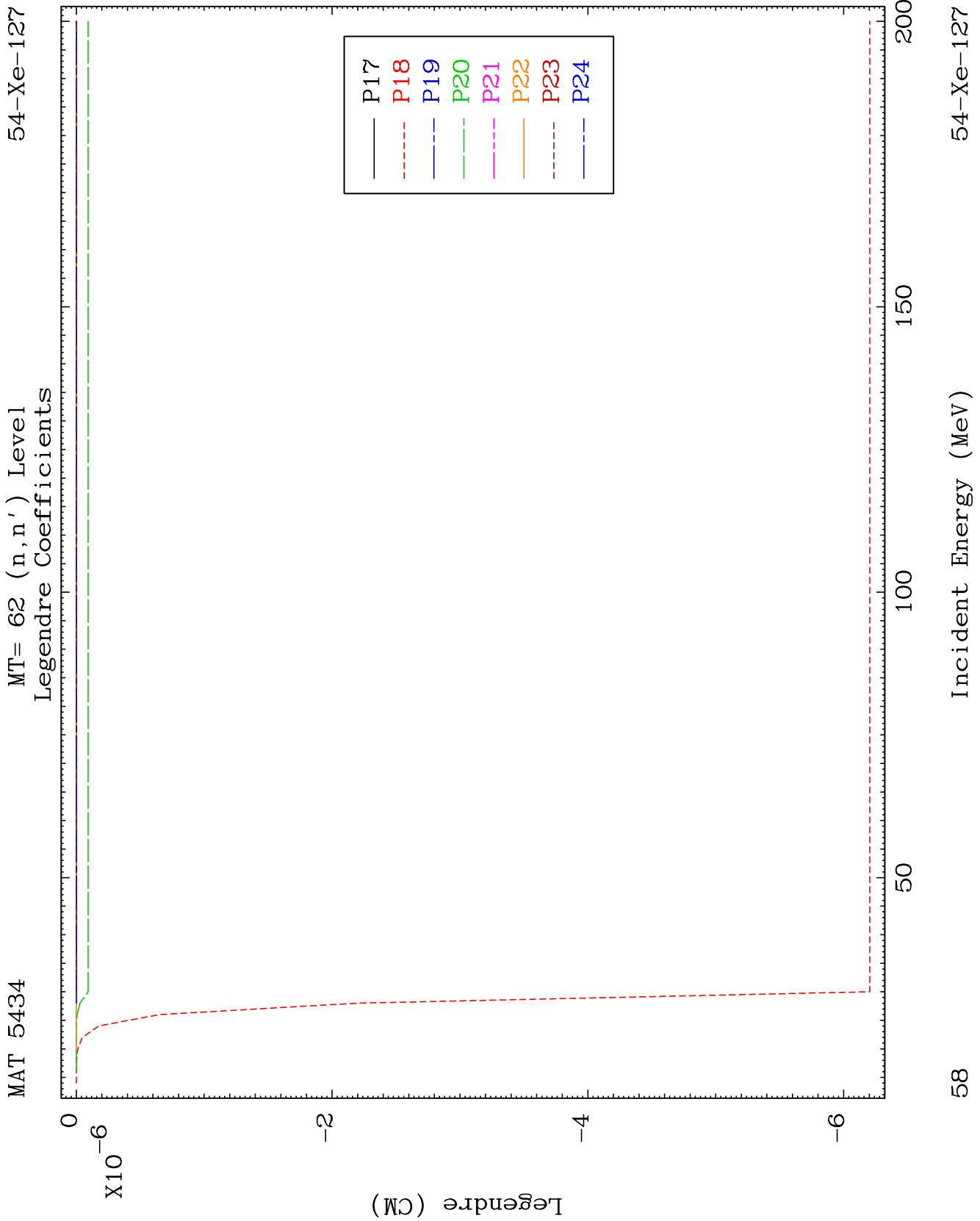
54-Xe-127



57

Incident Energy (MeV)

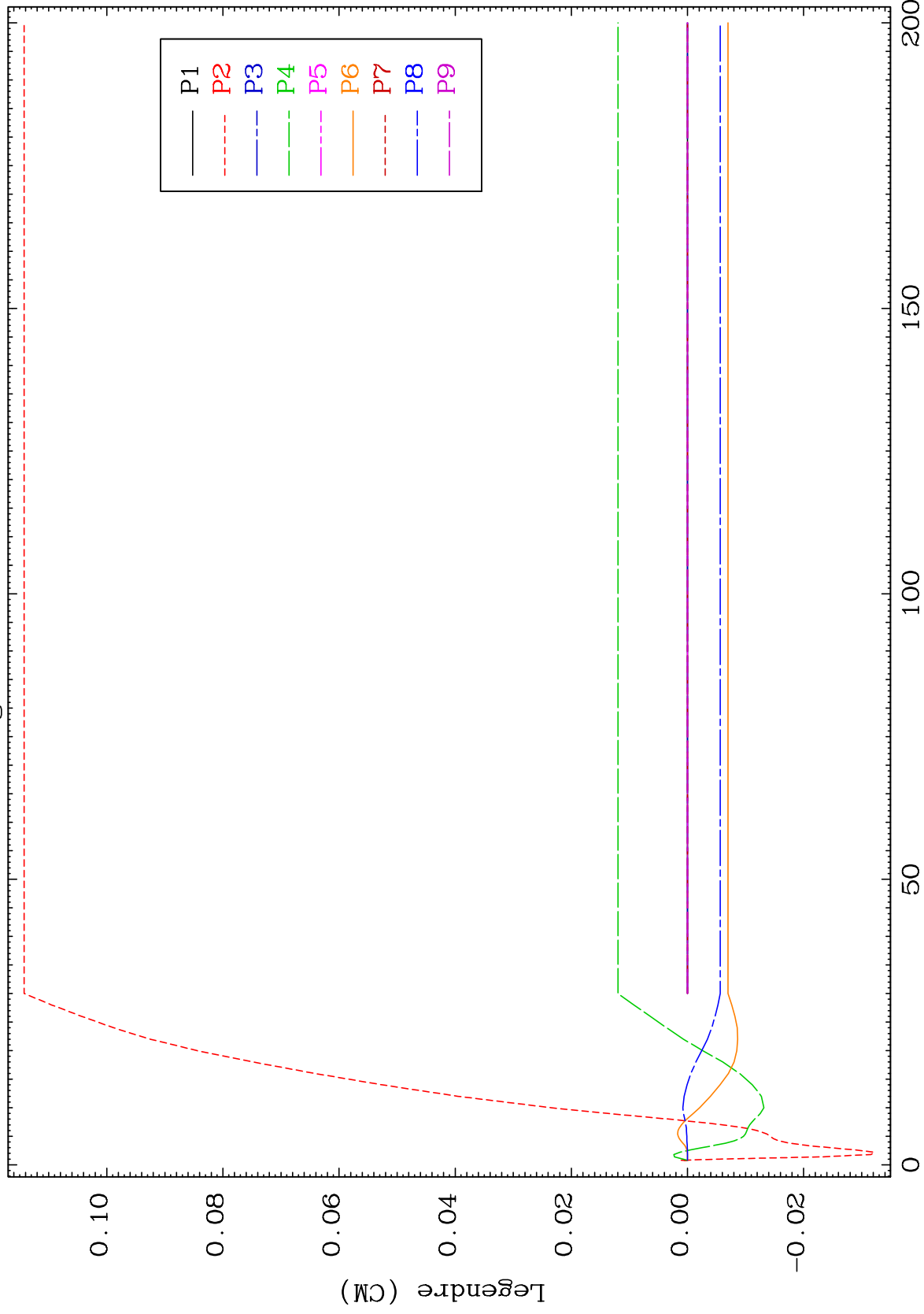
54-Xe-127



MAT 5434

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

54-Xe-127



54-Xe-127

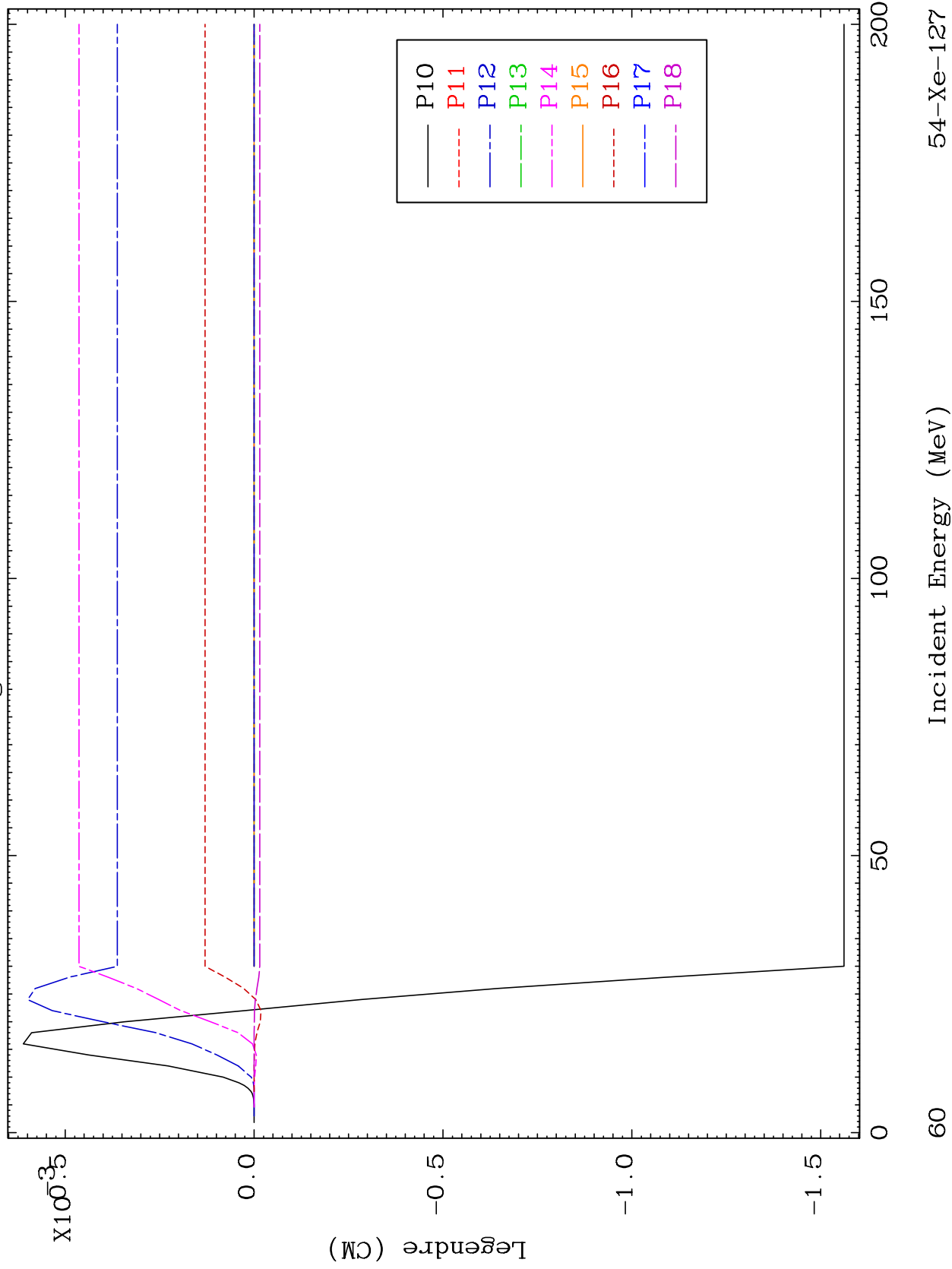
Incident Energy (MeV)

59

MAT 5434

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

54-Xe-127



54-Xe-127

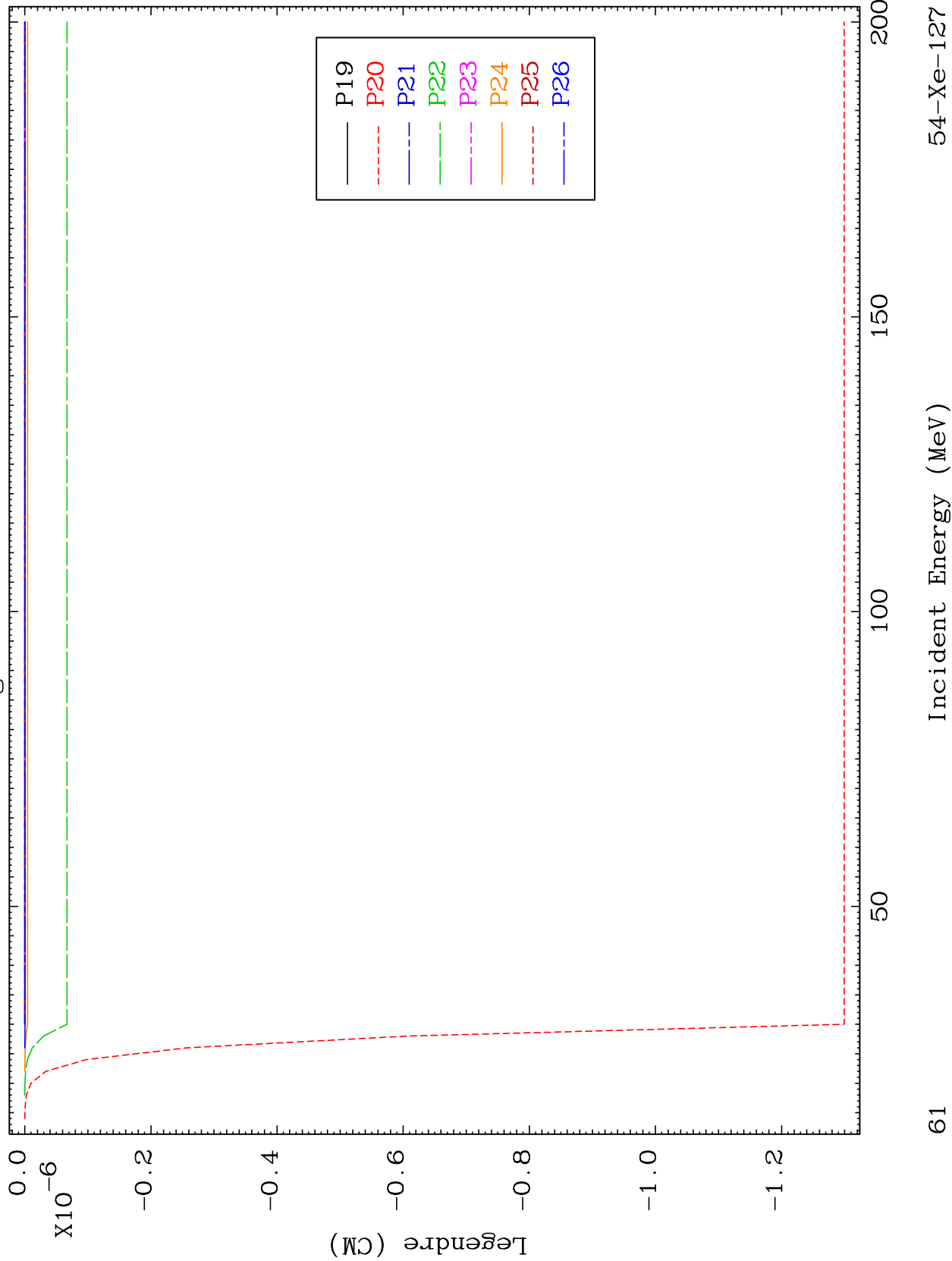
Incident Energy (MeV)

60

MAT 5434

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

54-Xe-127



61

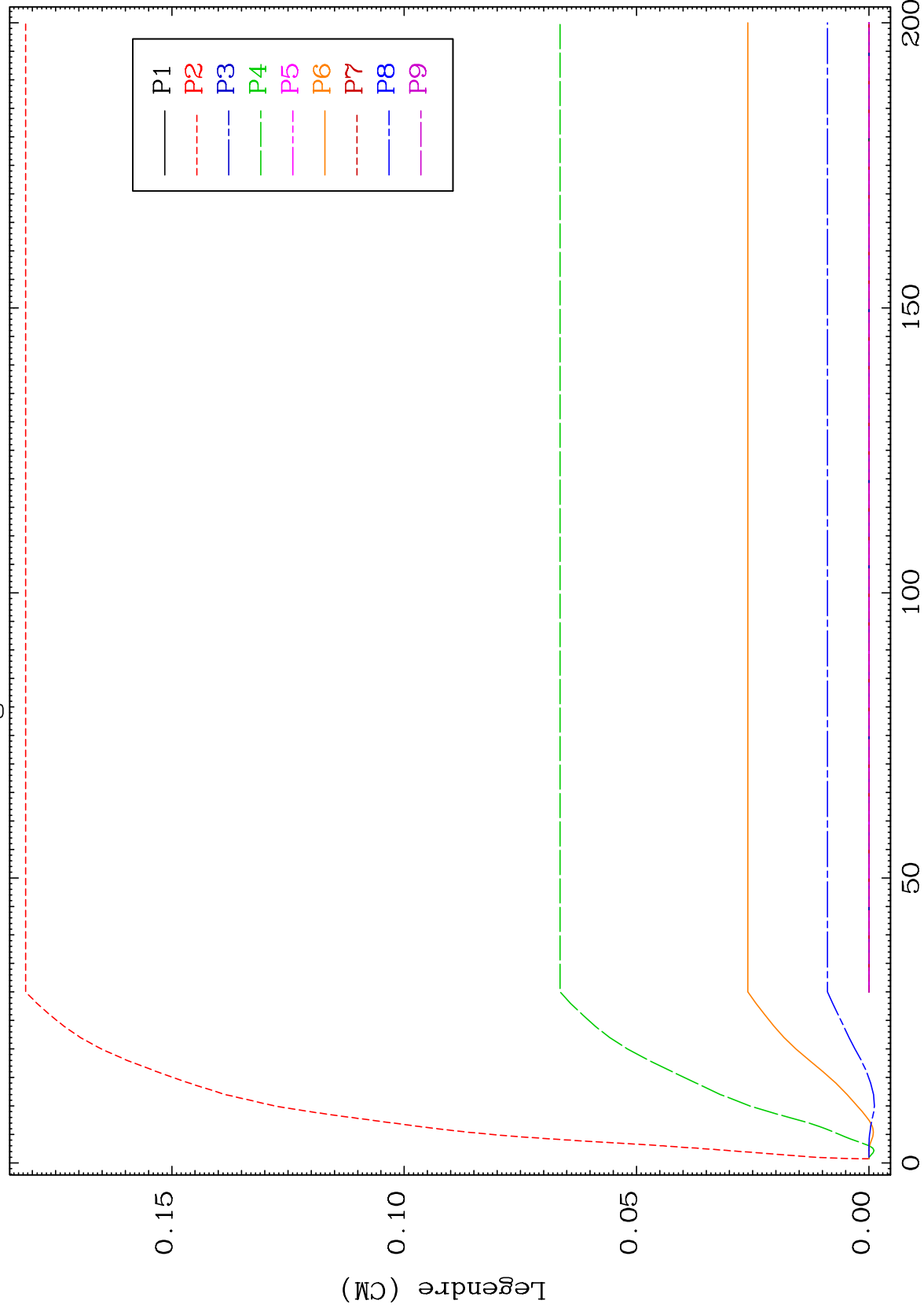
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



54-Xe-127

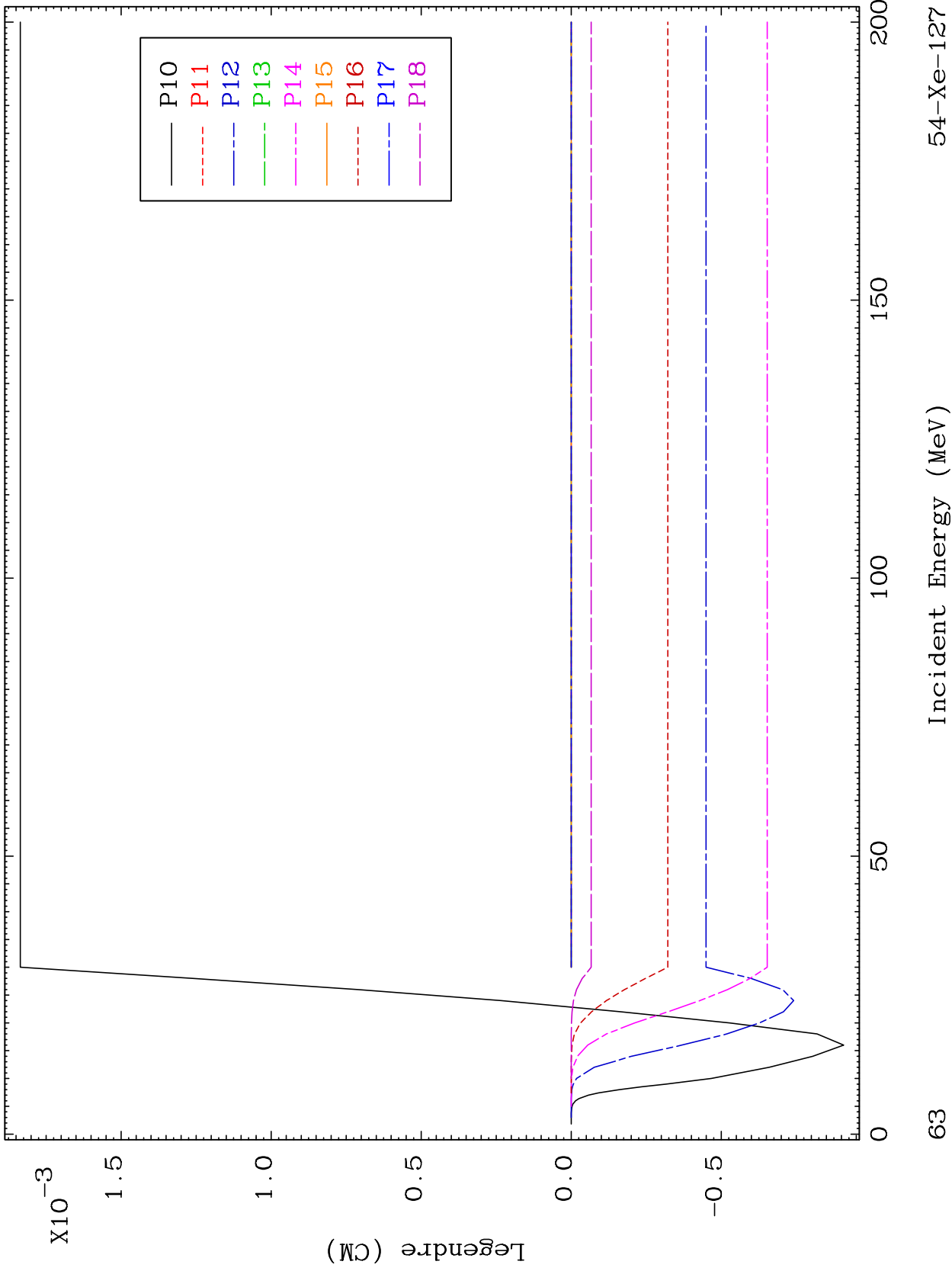
Incident Energy (MeV)

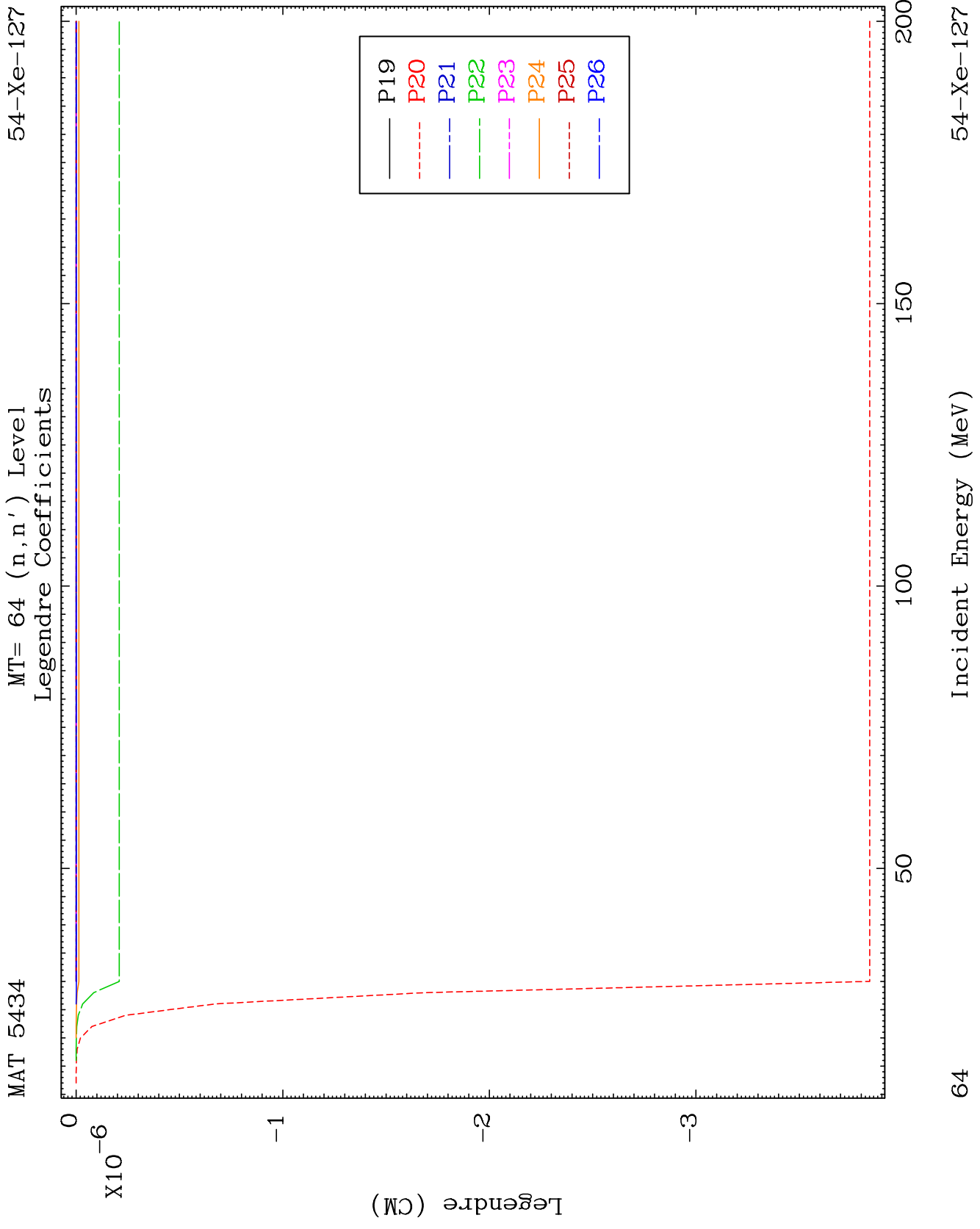
62

MAT 5434

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

54-Xe-127

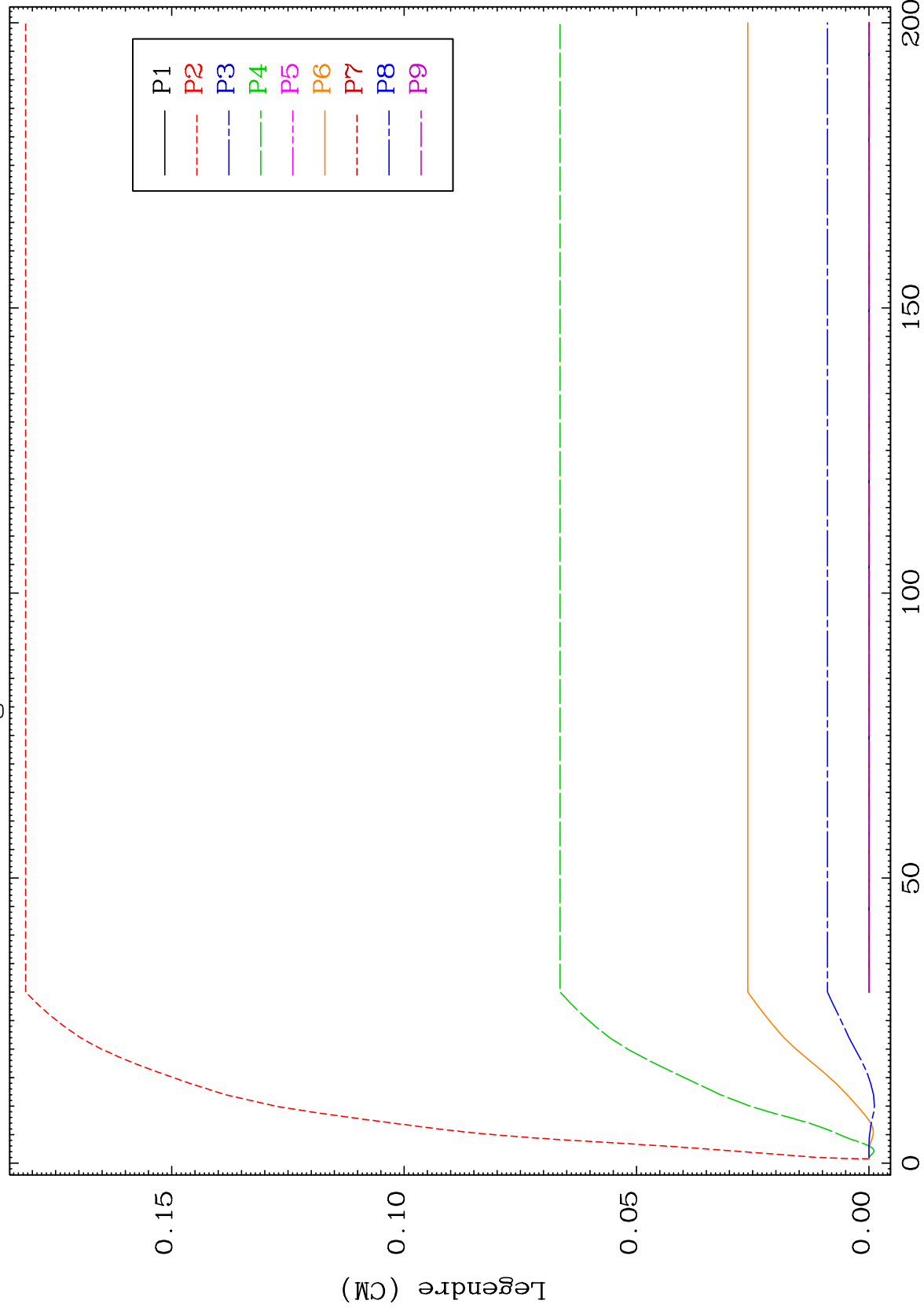




MAT 5434

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

54-Xe-127



54-Xe-127

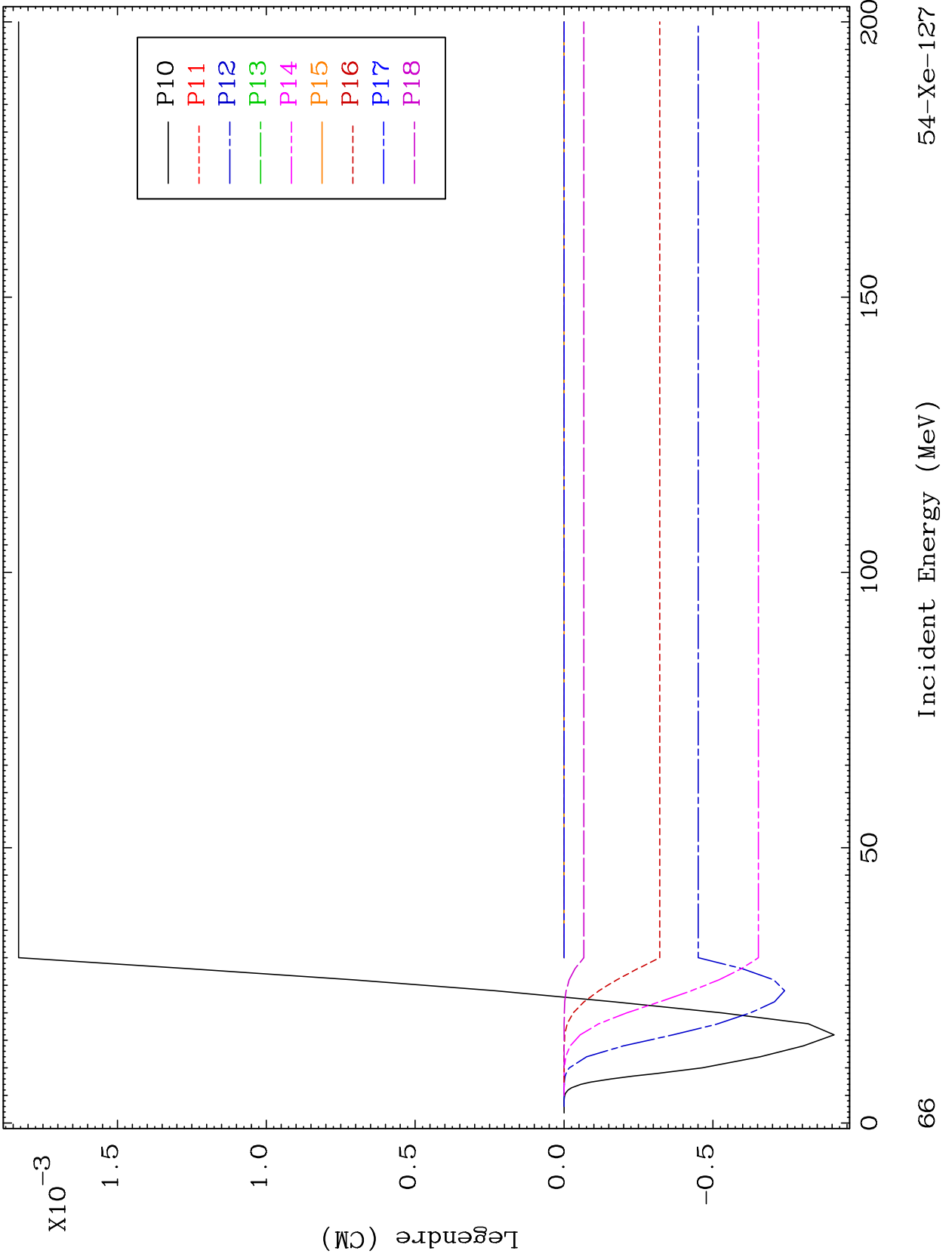
Incident Energy (MeV)

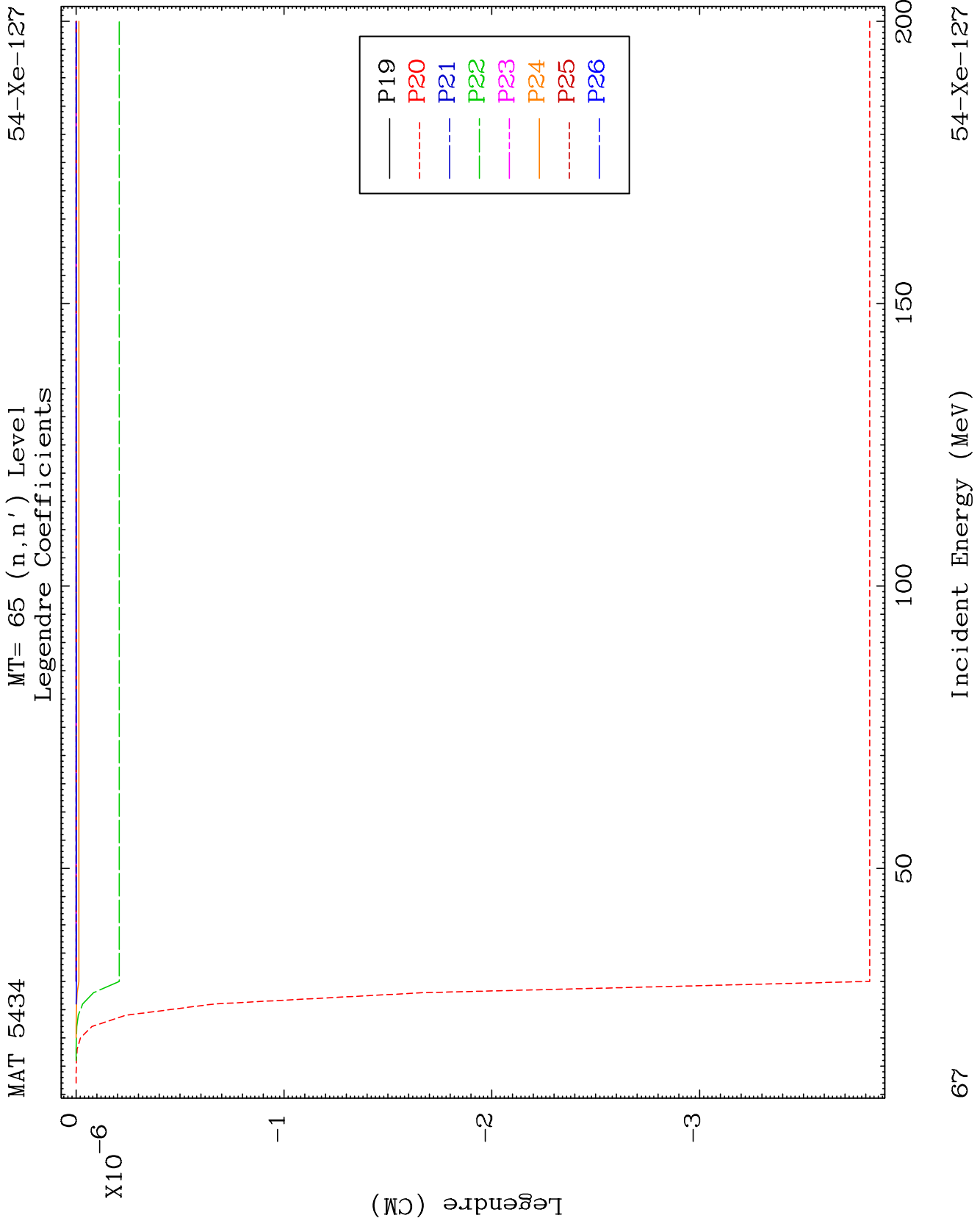
65

MAT 5434

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

54-Xe-127

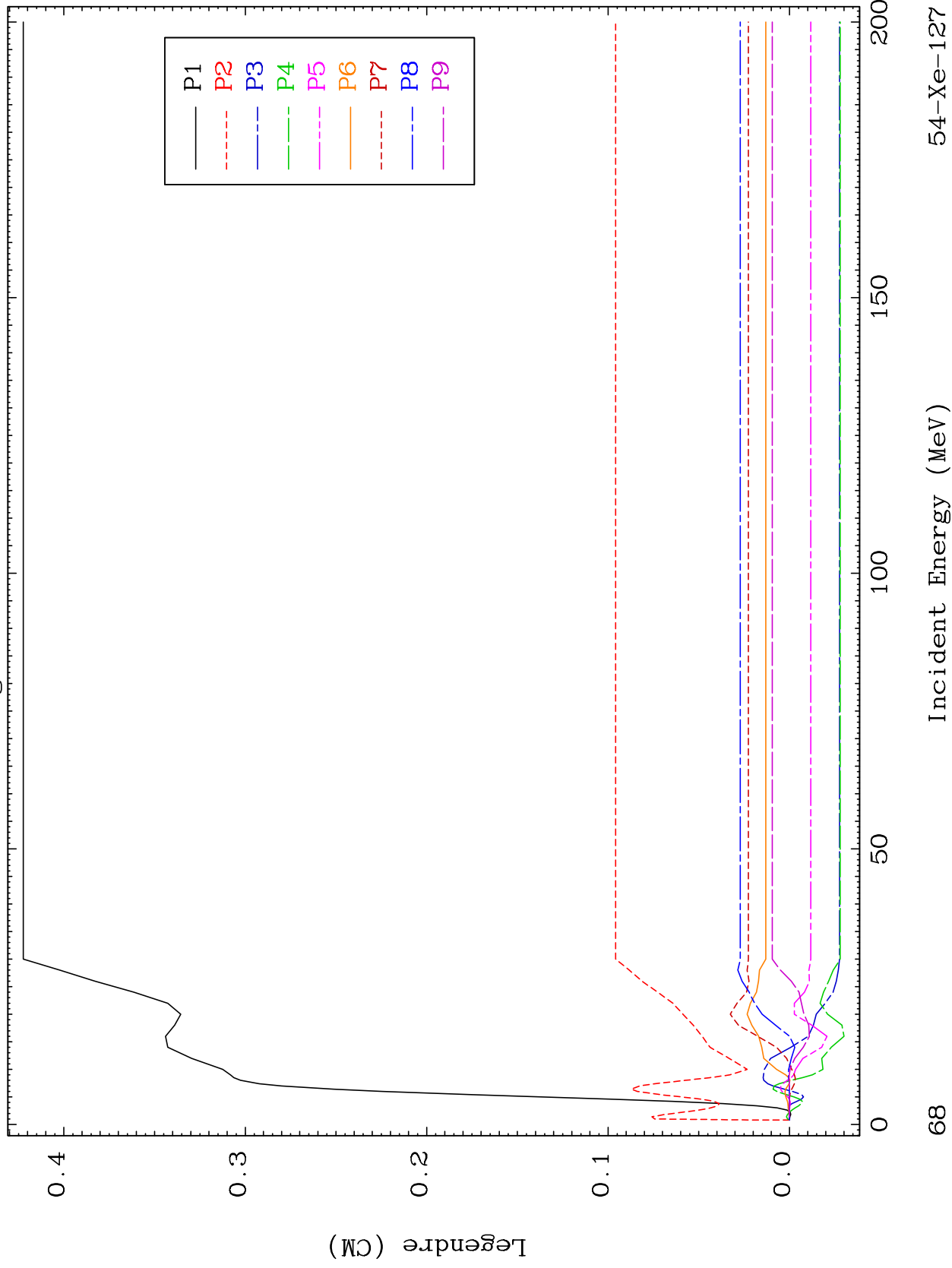




MAT 5434

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

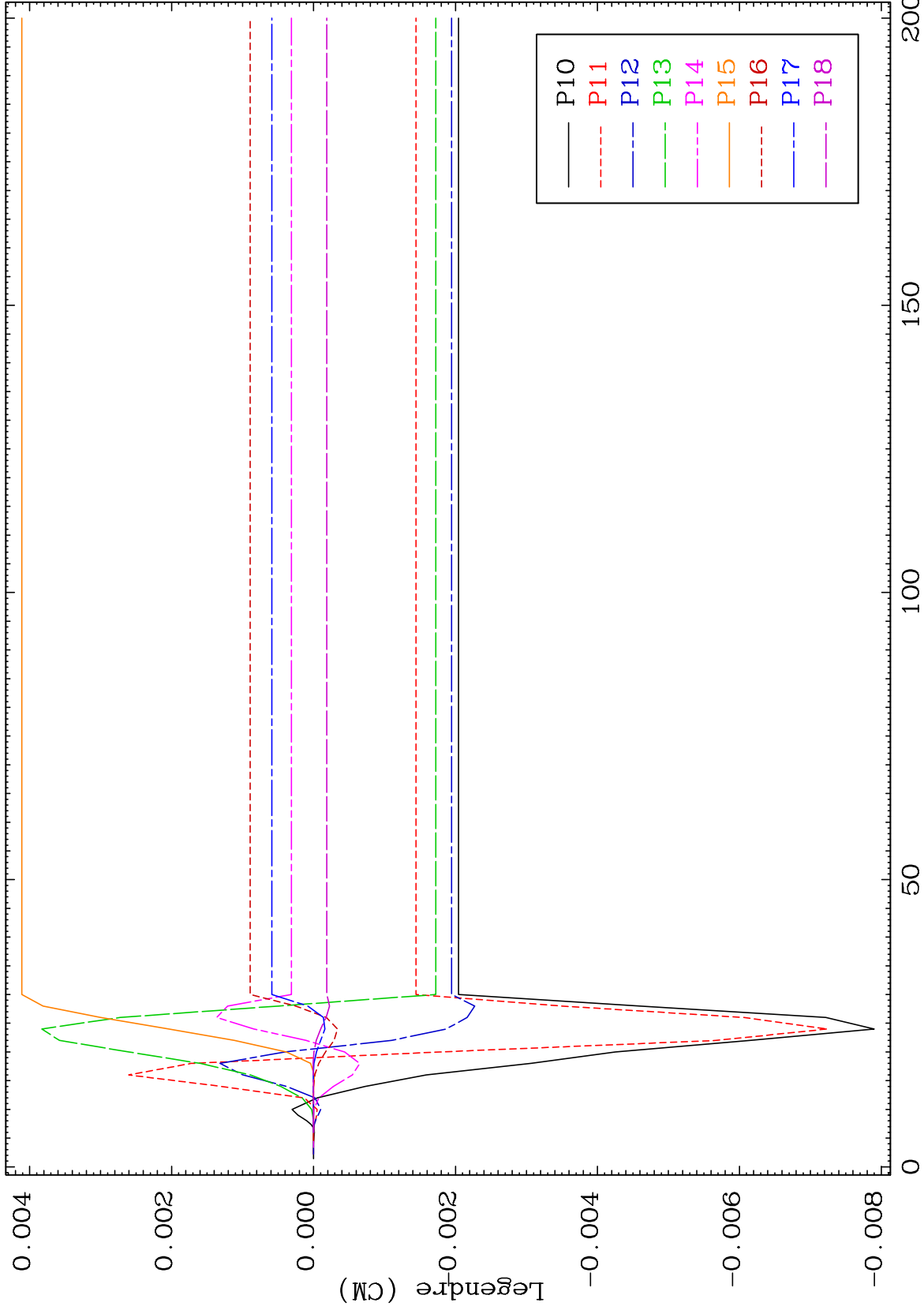
54-Xe-127



MAT 5434

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

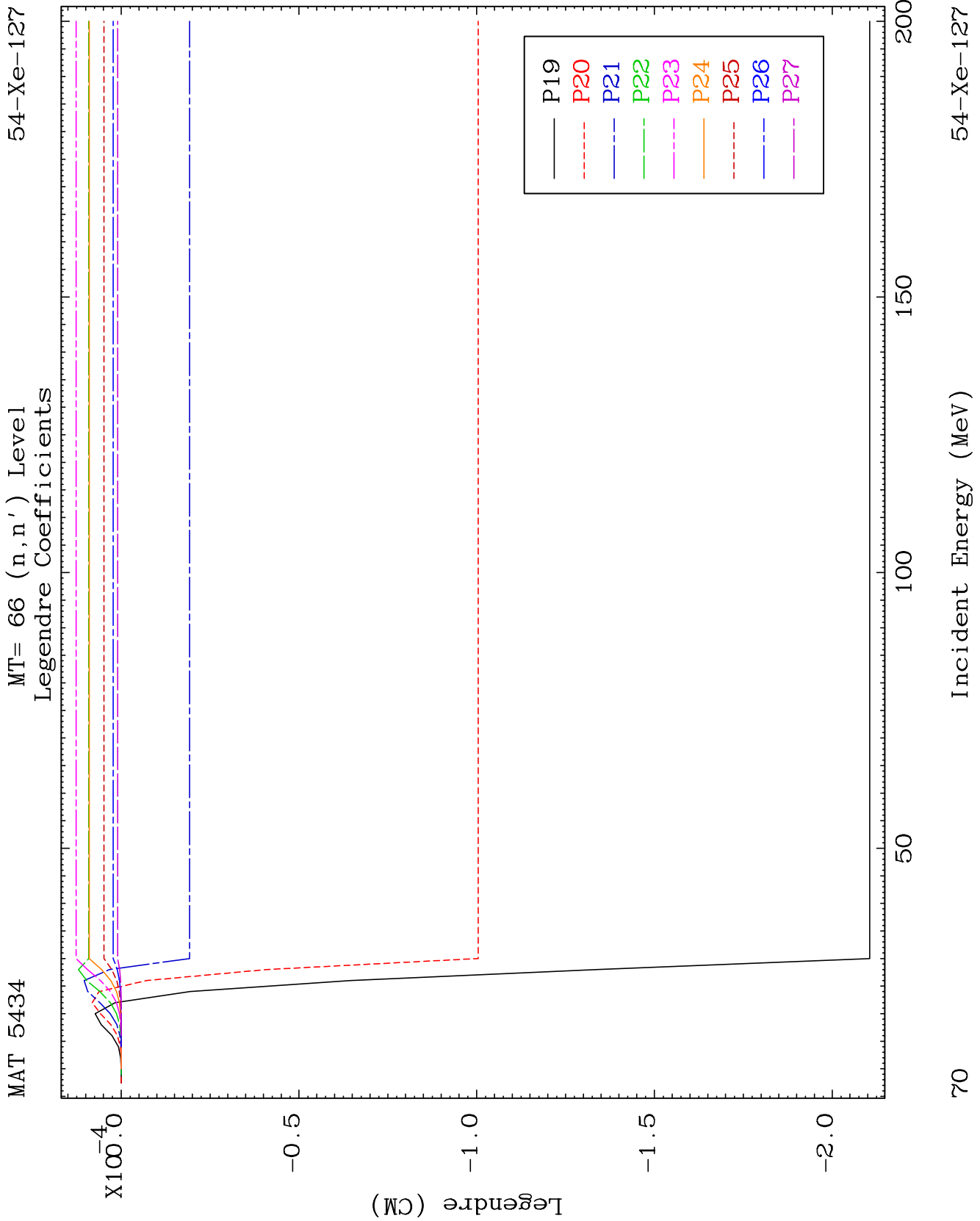
54-Xe-127



69

Incident Energy (MeV)

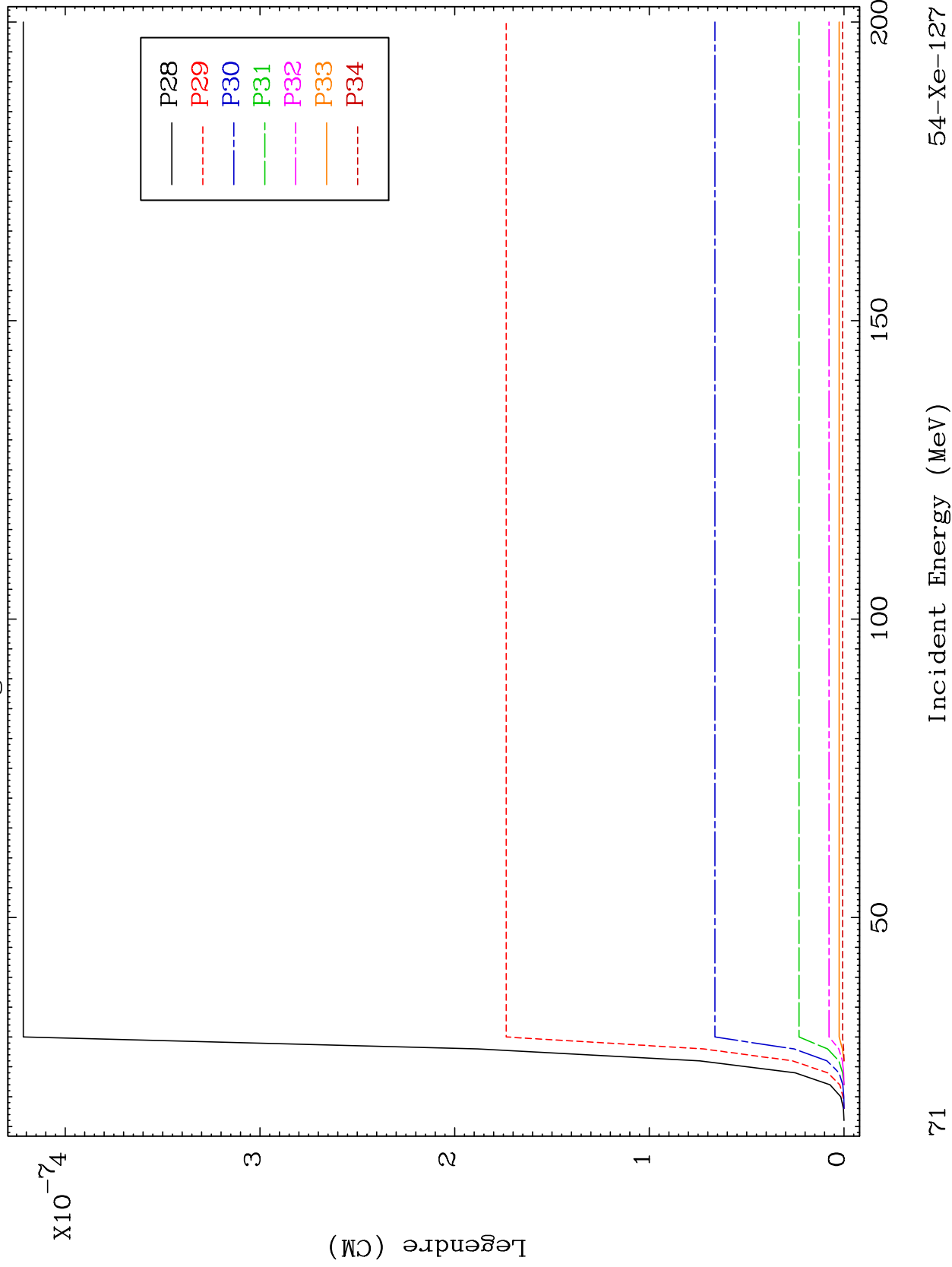
54-Xe-127



MAT 5434

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

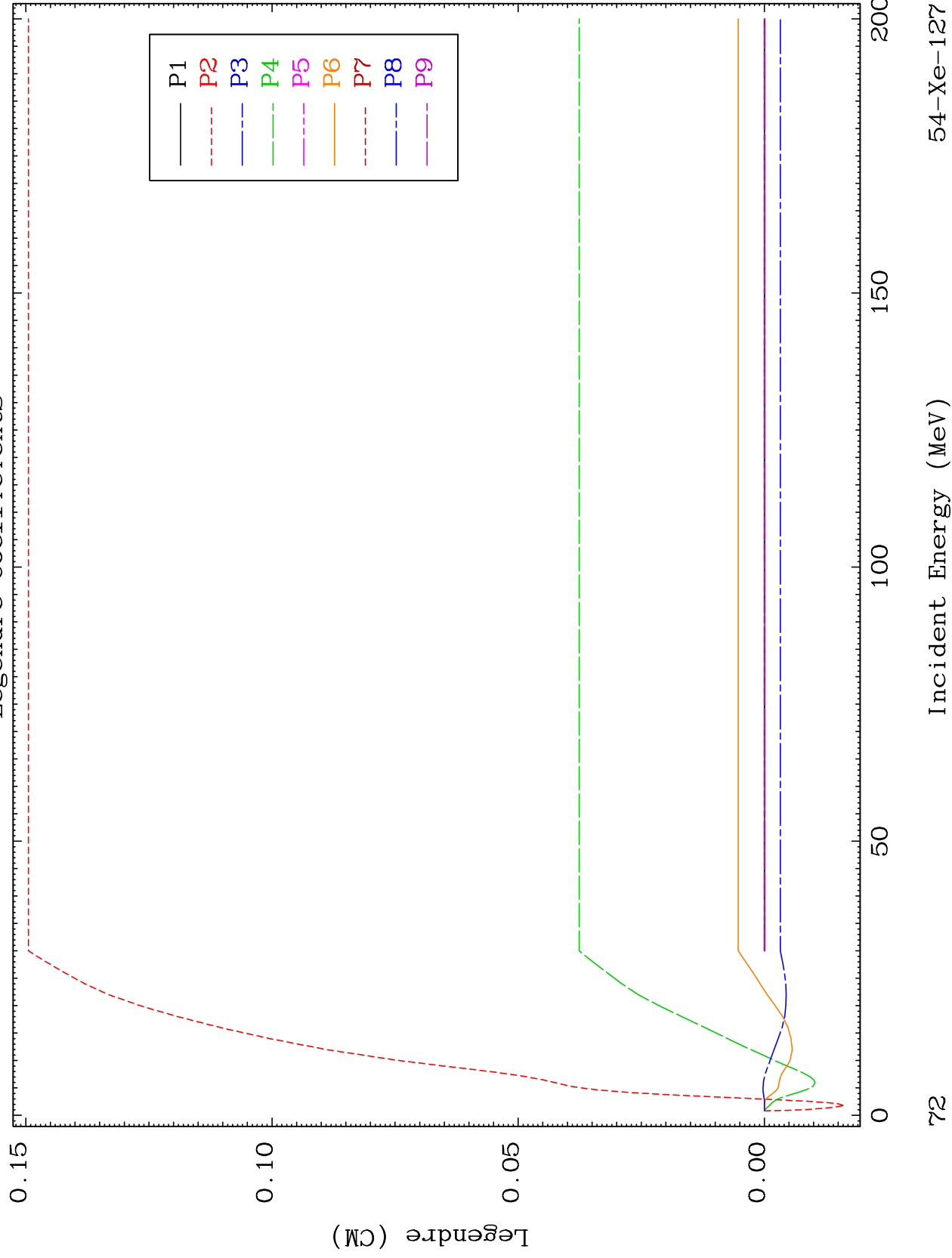
54-Xe-127



MAT 5434

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

54-Xe-127



54-Xe-127

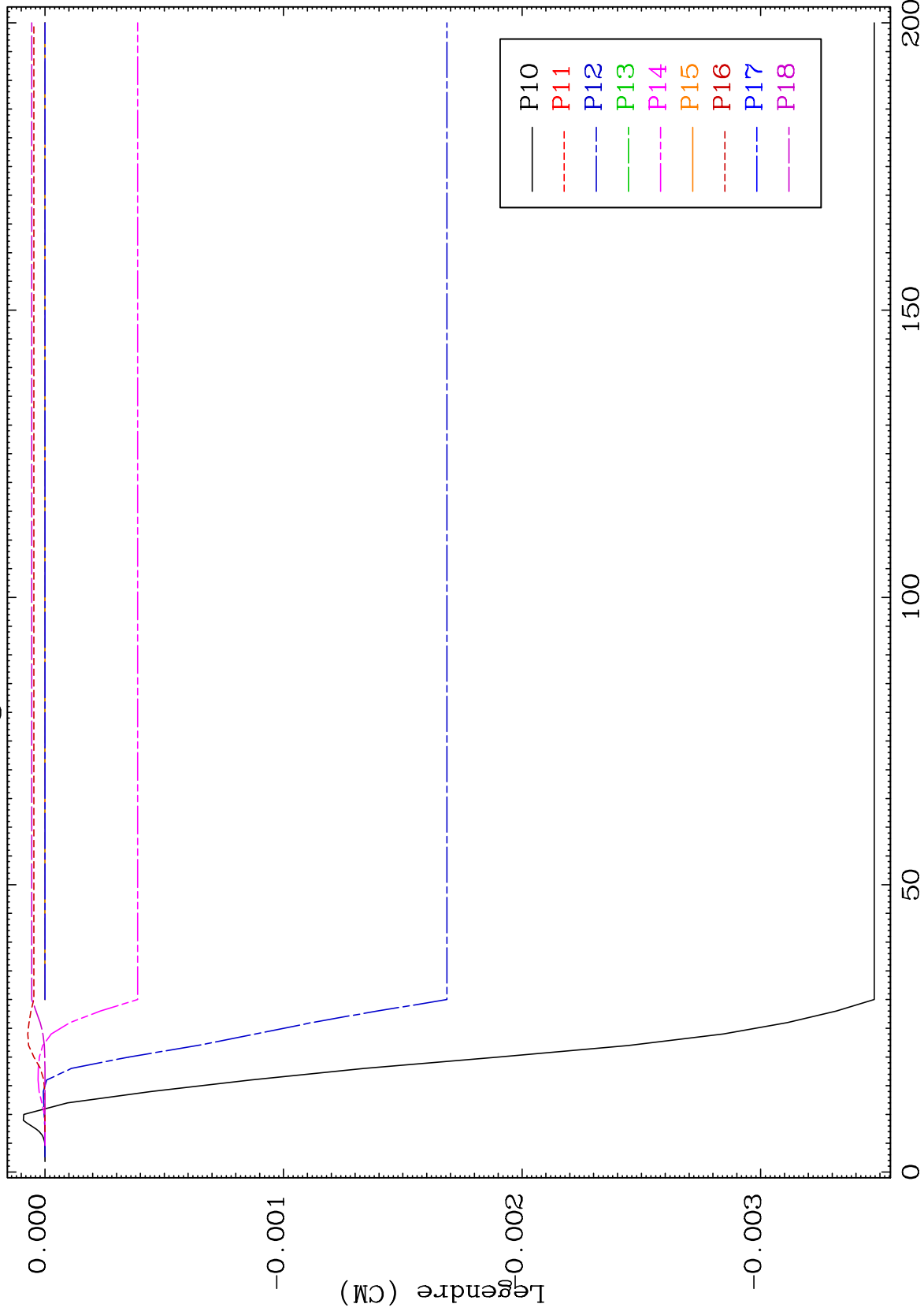
Incident Energy (MeV)

72

MAT 5434

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

54-Xe-127



73

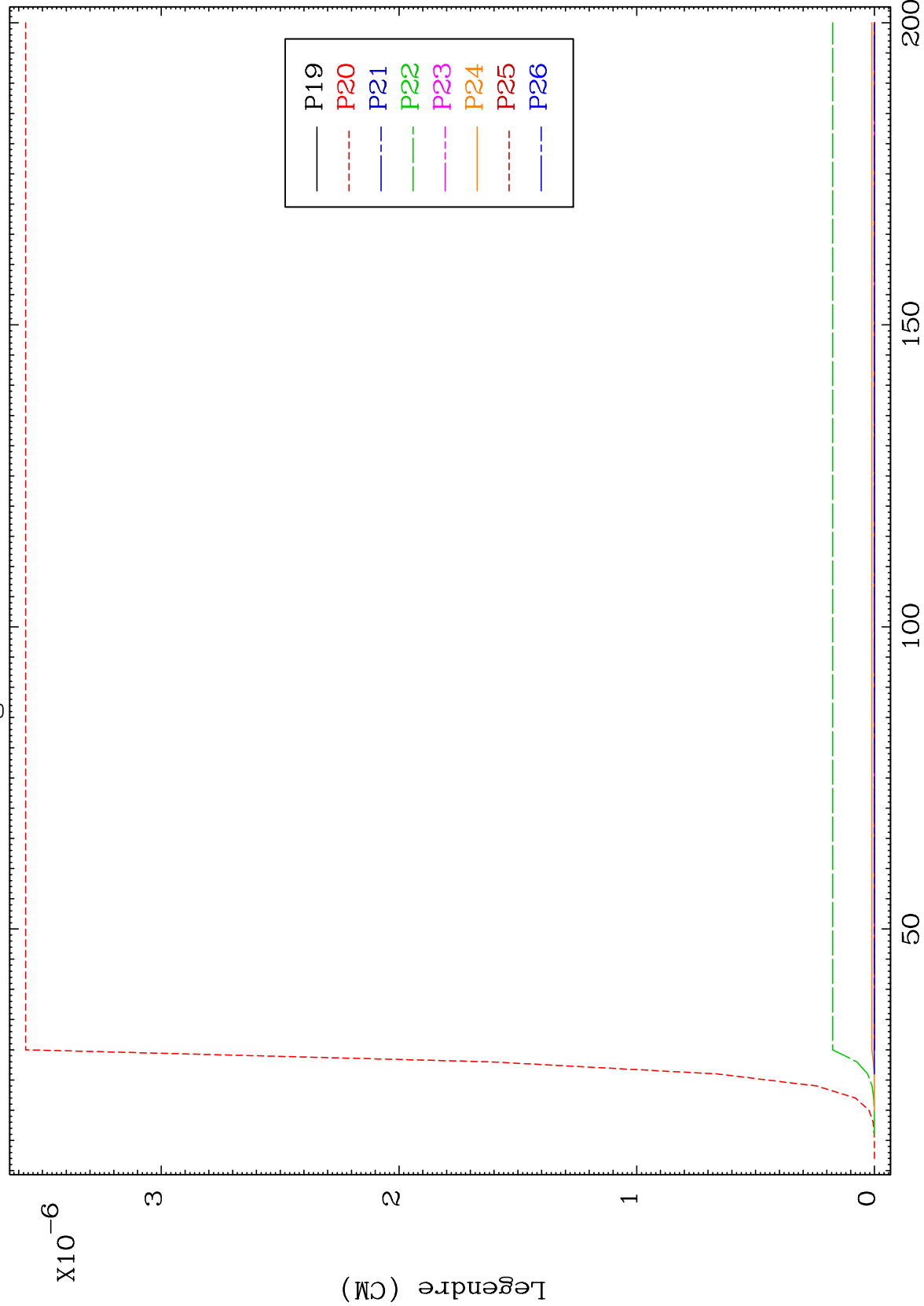
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

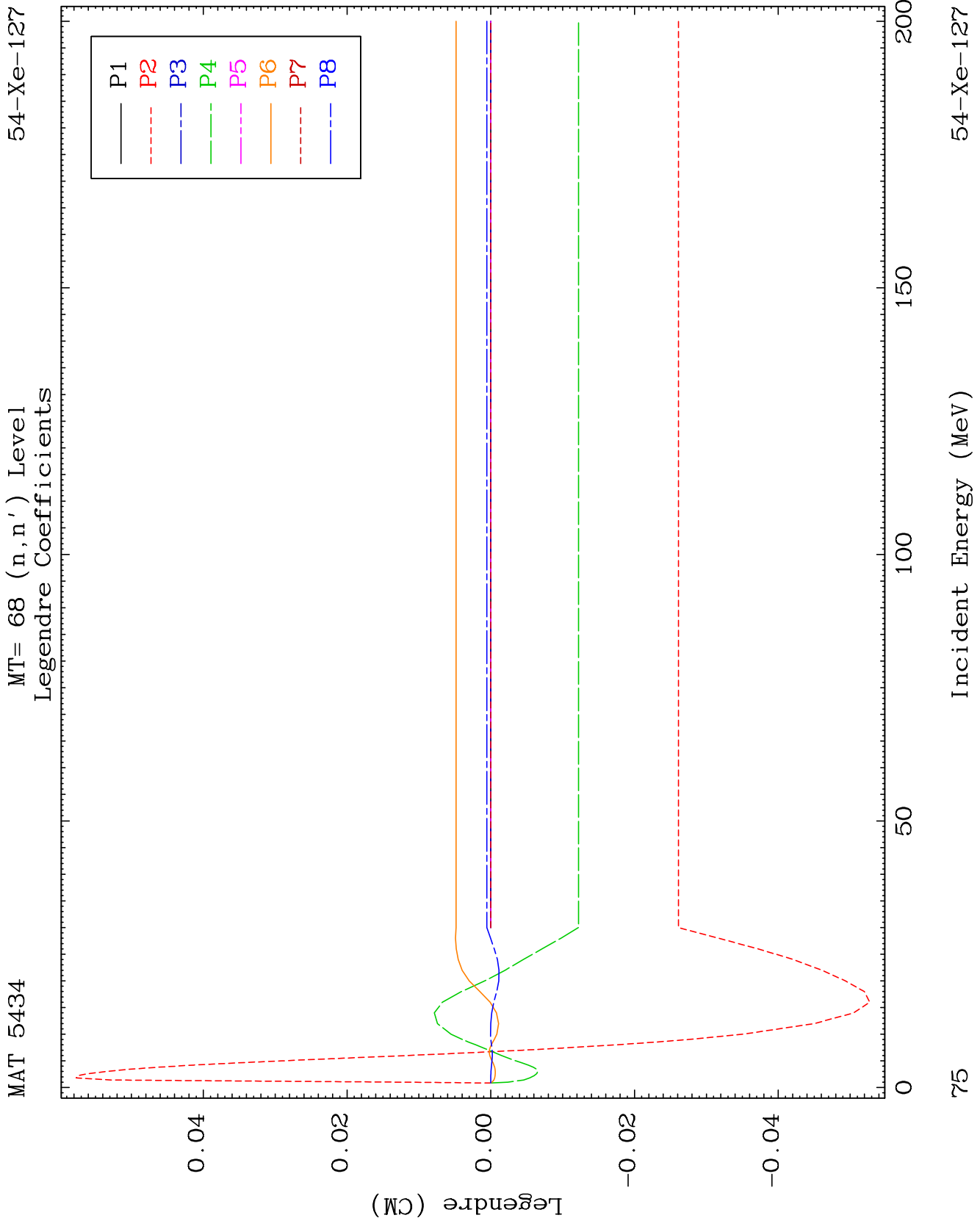
54-Xe-127



54-Xe-127

Incident Energy (MeV)

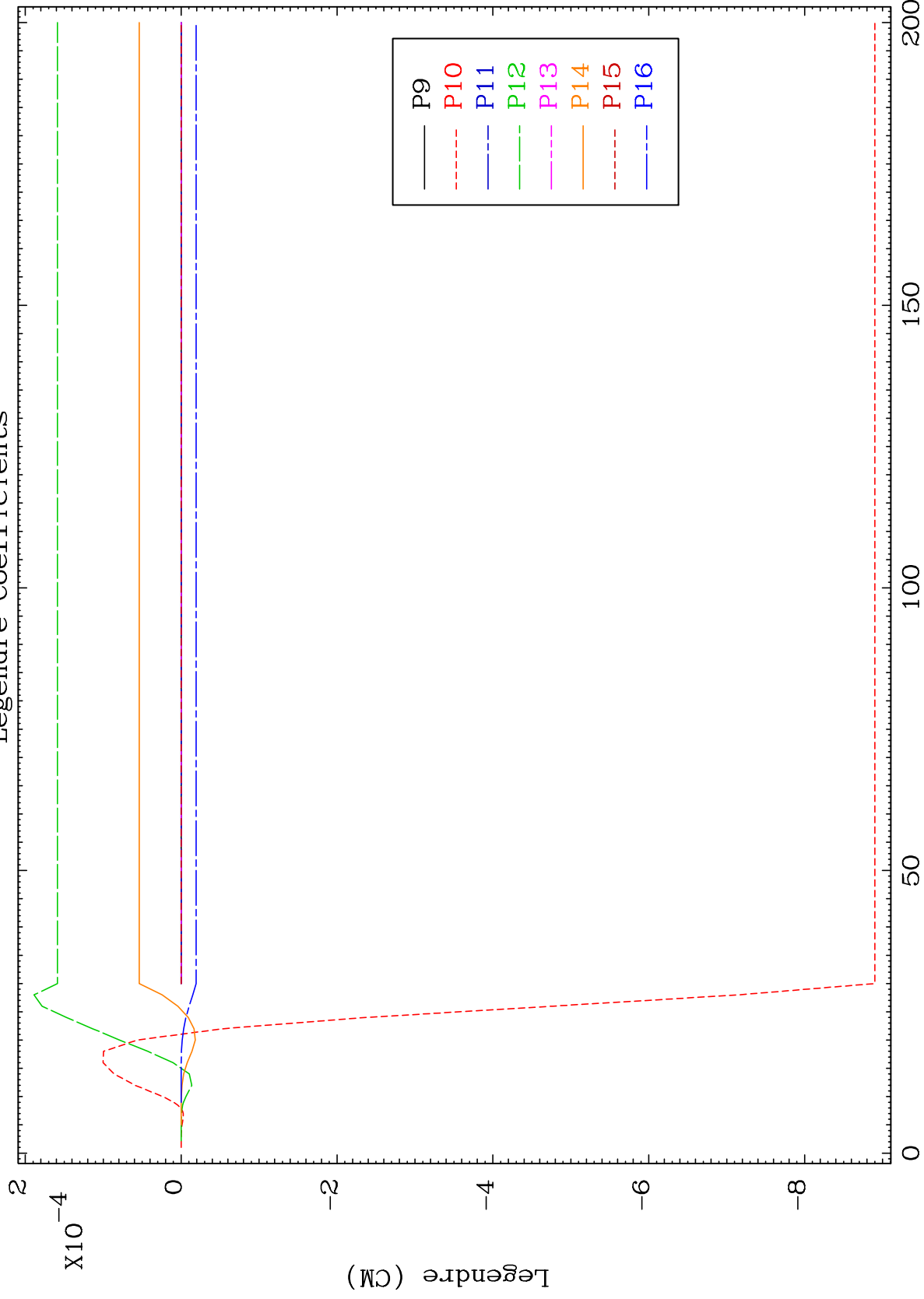
74



MAT 5434

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

54-Xe-127



76

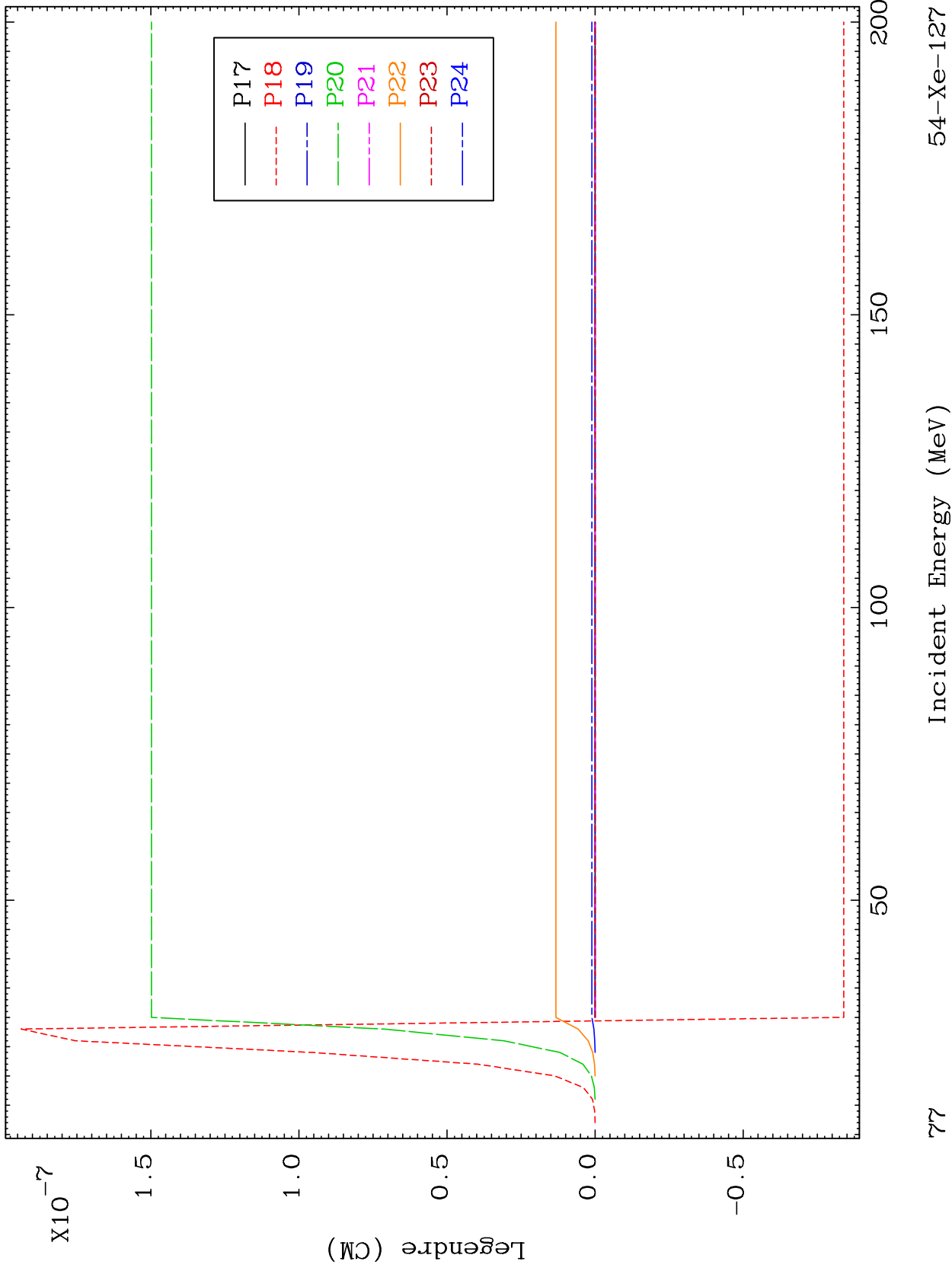
Incident Energy (MeV)

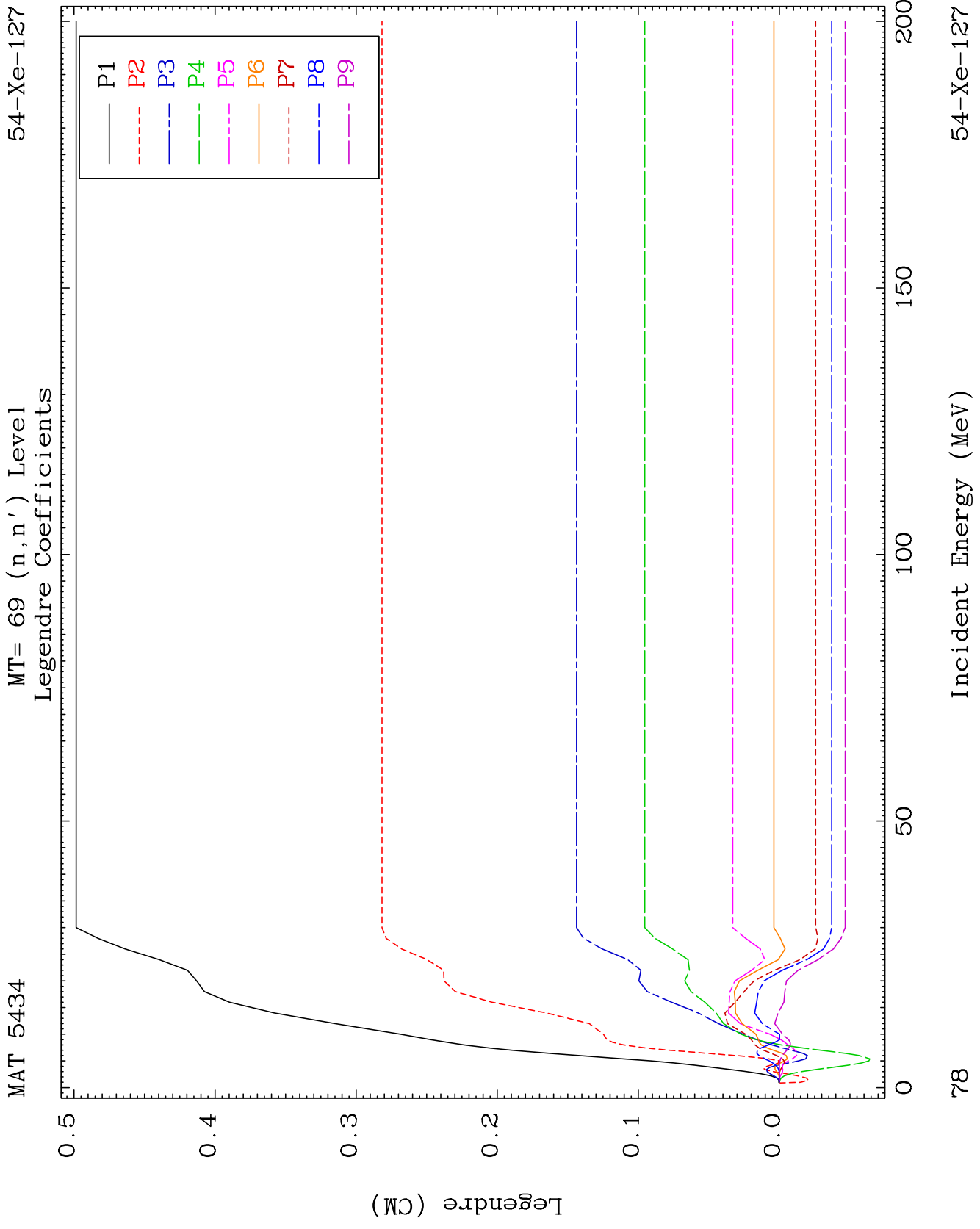
54-Xe-127

MAT 5434

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

54-Xe-127

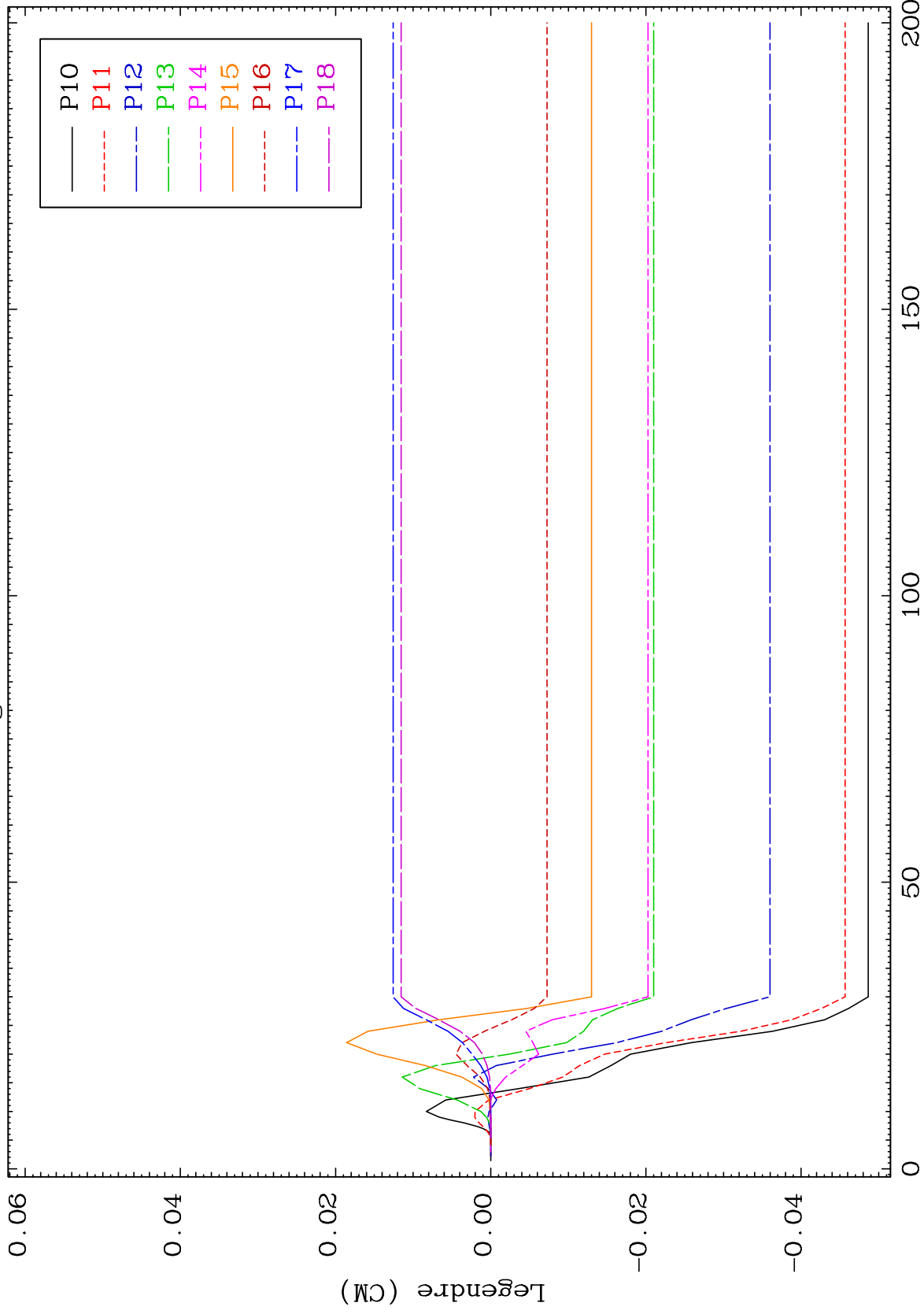




MAT 5434

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

54-Xe-127



79

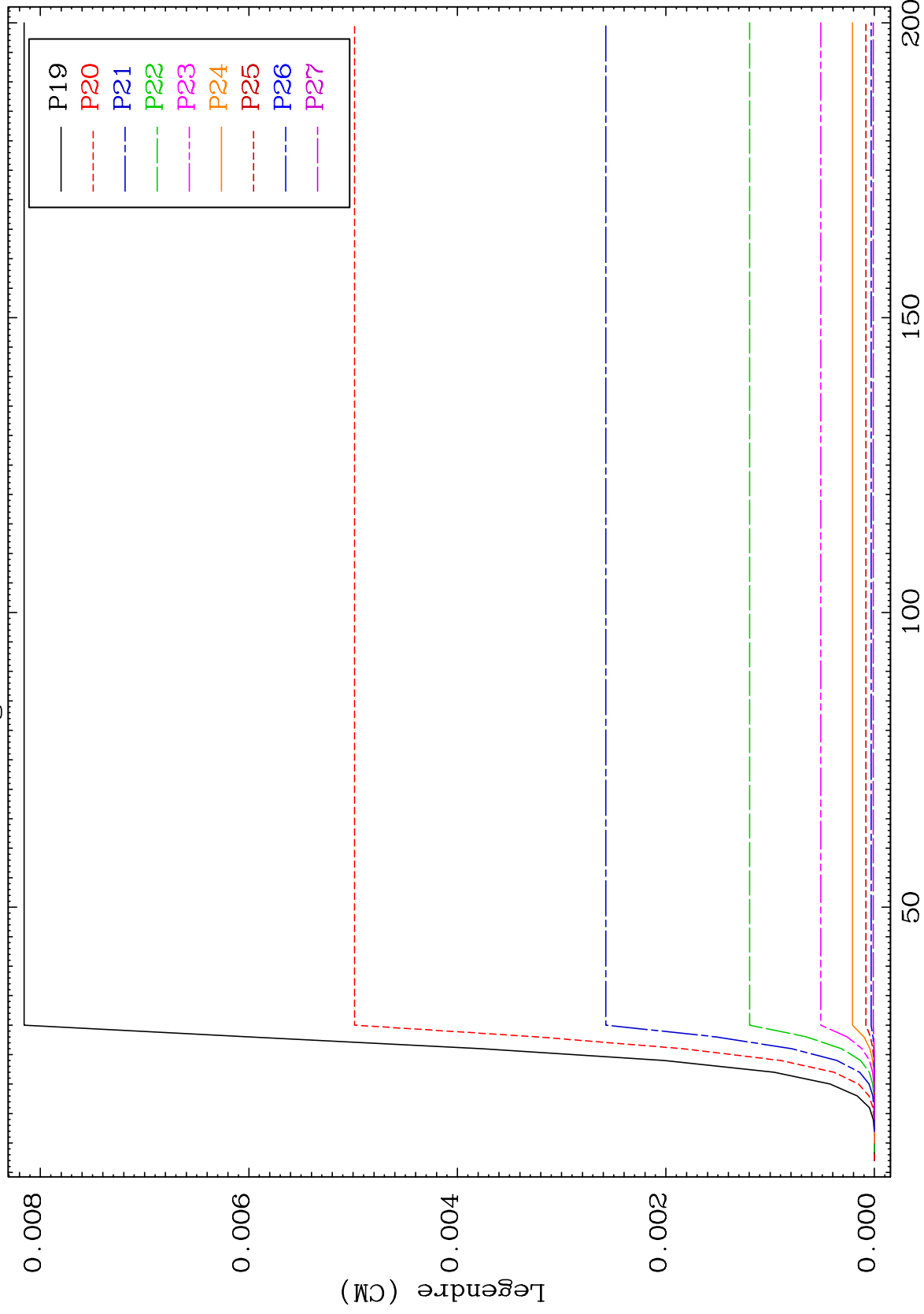
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



80

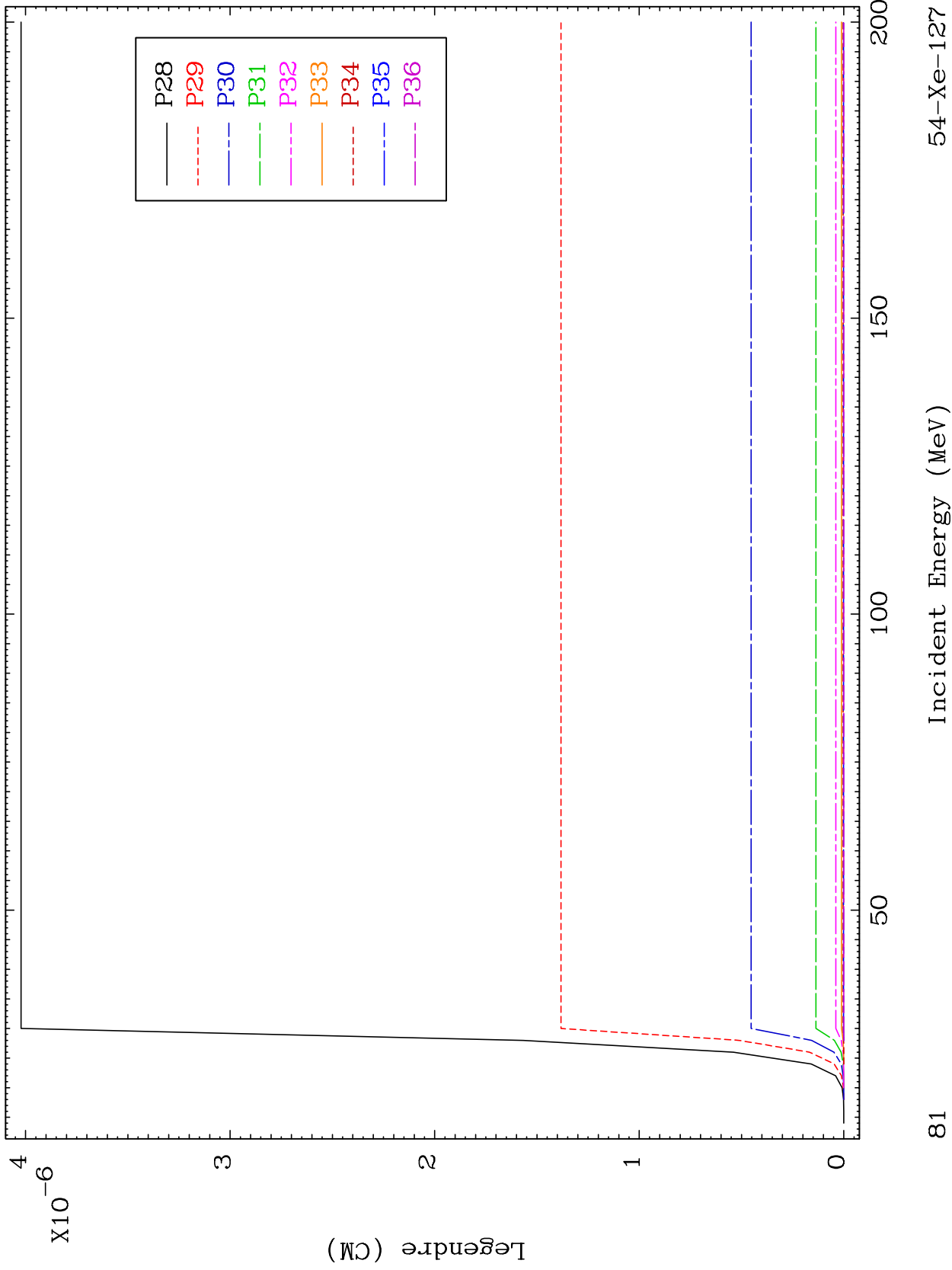
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

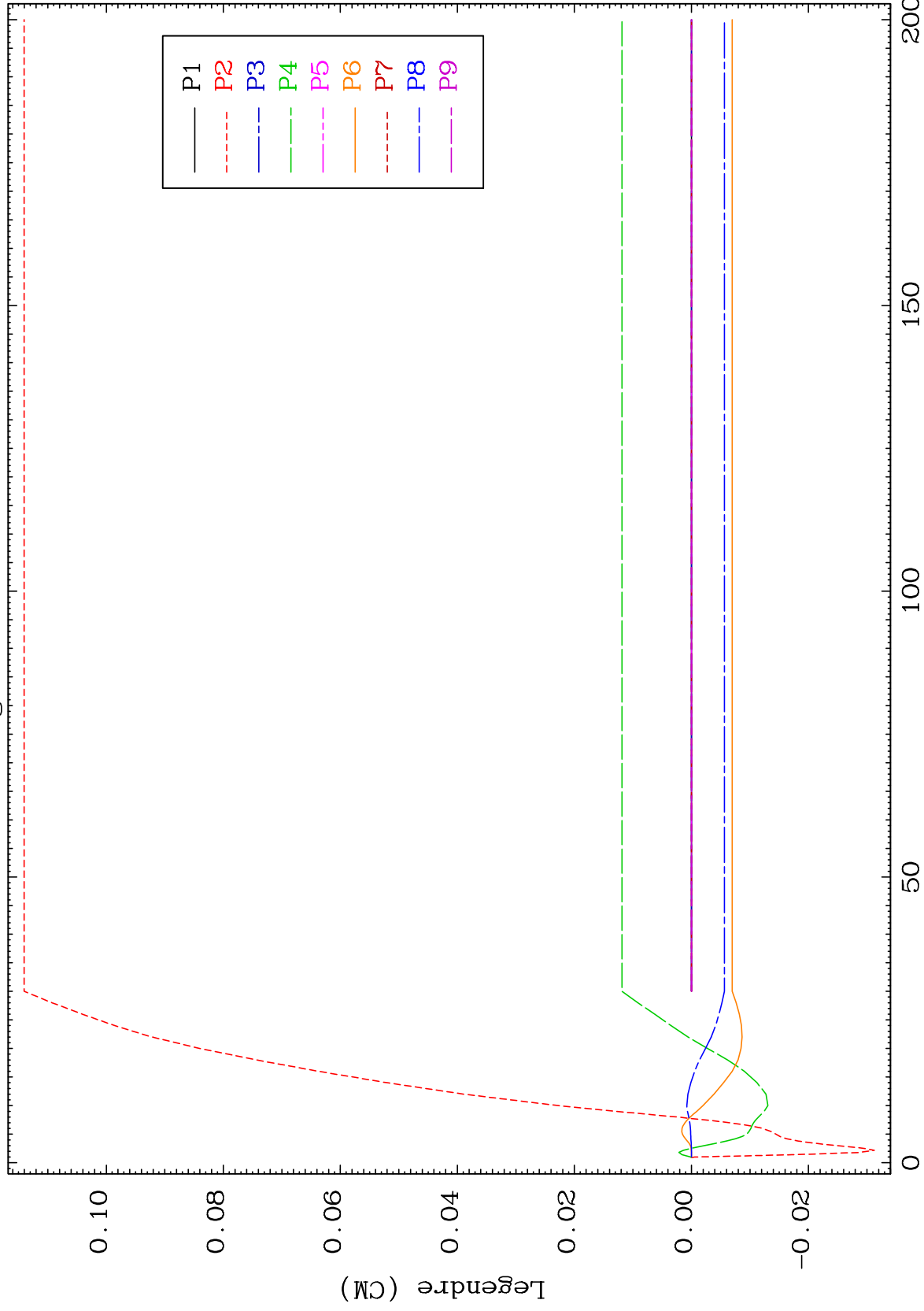
54-Xe-127



MAT 5434

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

54-Xe-127



54-Xe-127

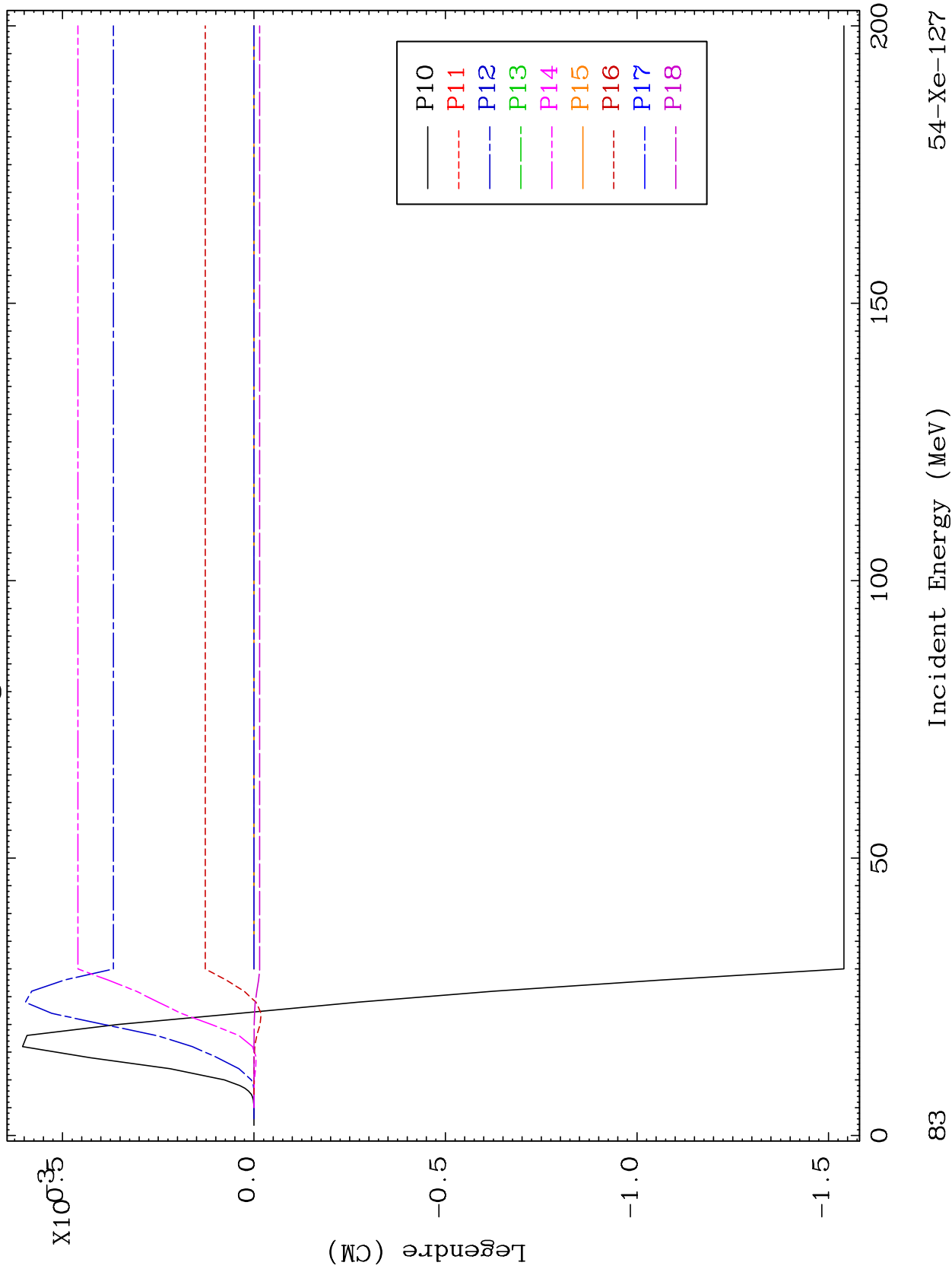
Incident Energy (MeV)

82

MAT 5434

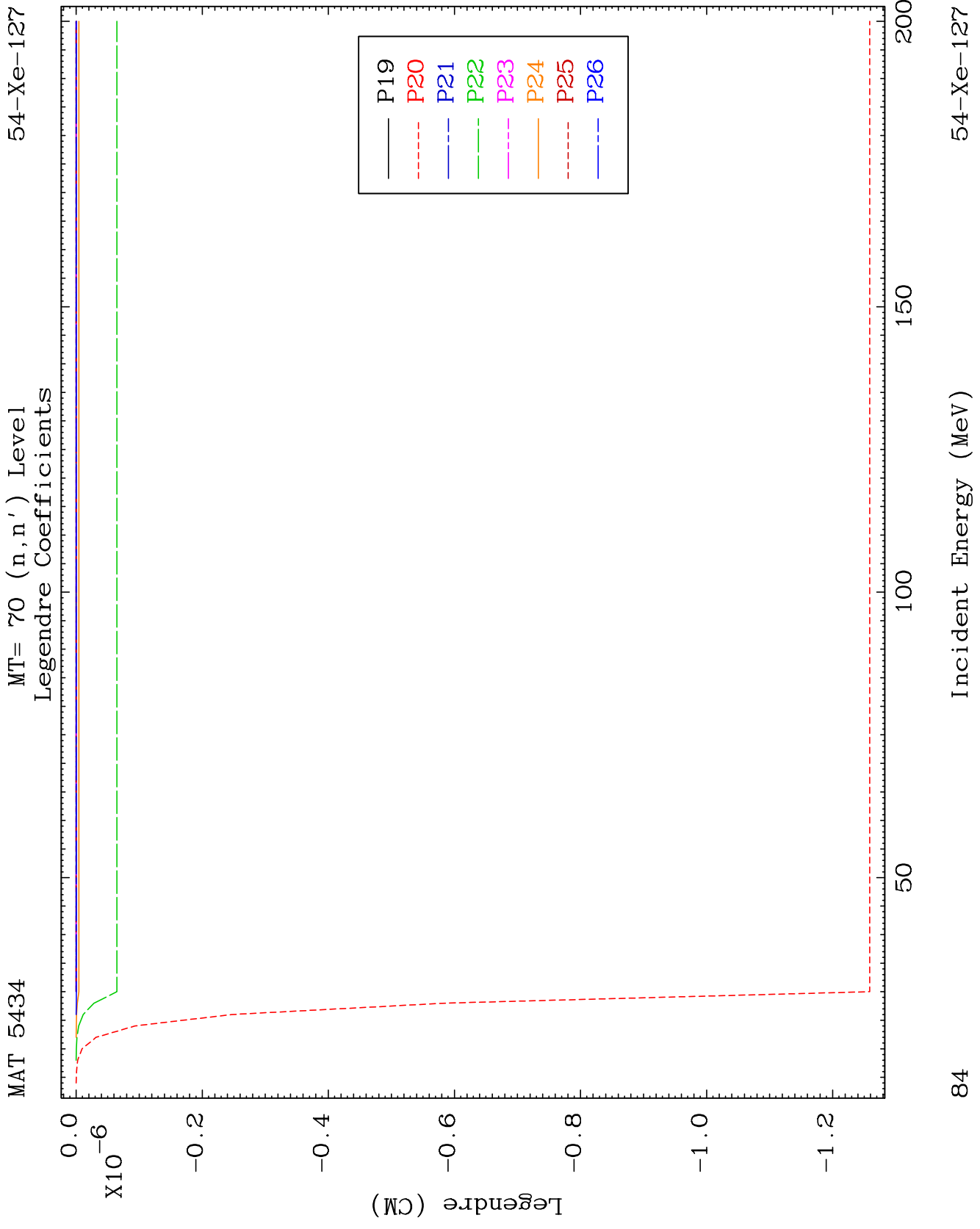
MT= 70 (n,n') Level  
Legendre Coefficients

54-Xe-127



83

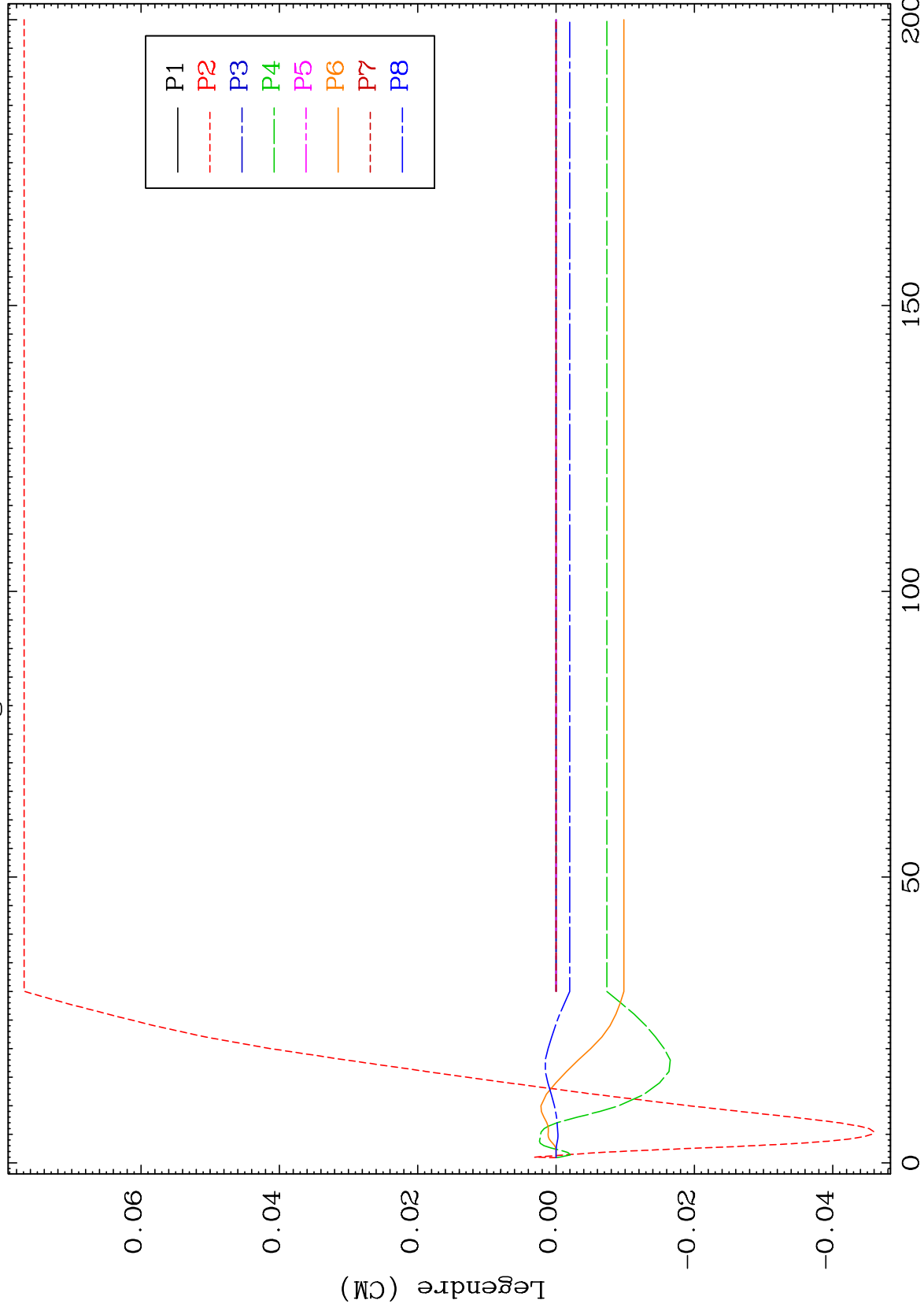
54-Xe-127



MAT 5434

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

54-Xe-127



54-Xe-127

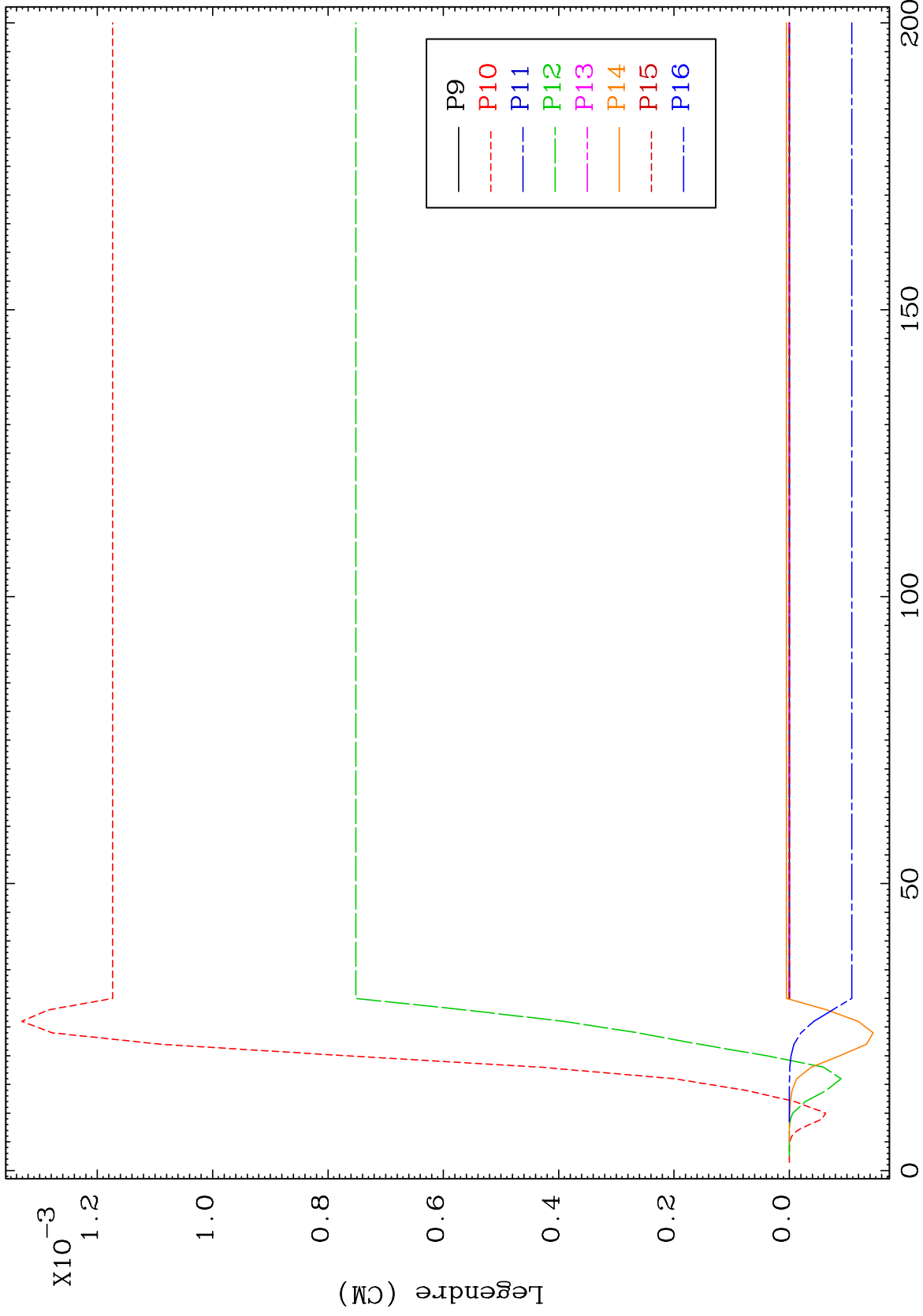
Incident Energy (MeV)

85

MAT 5434

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

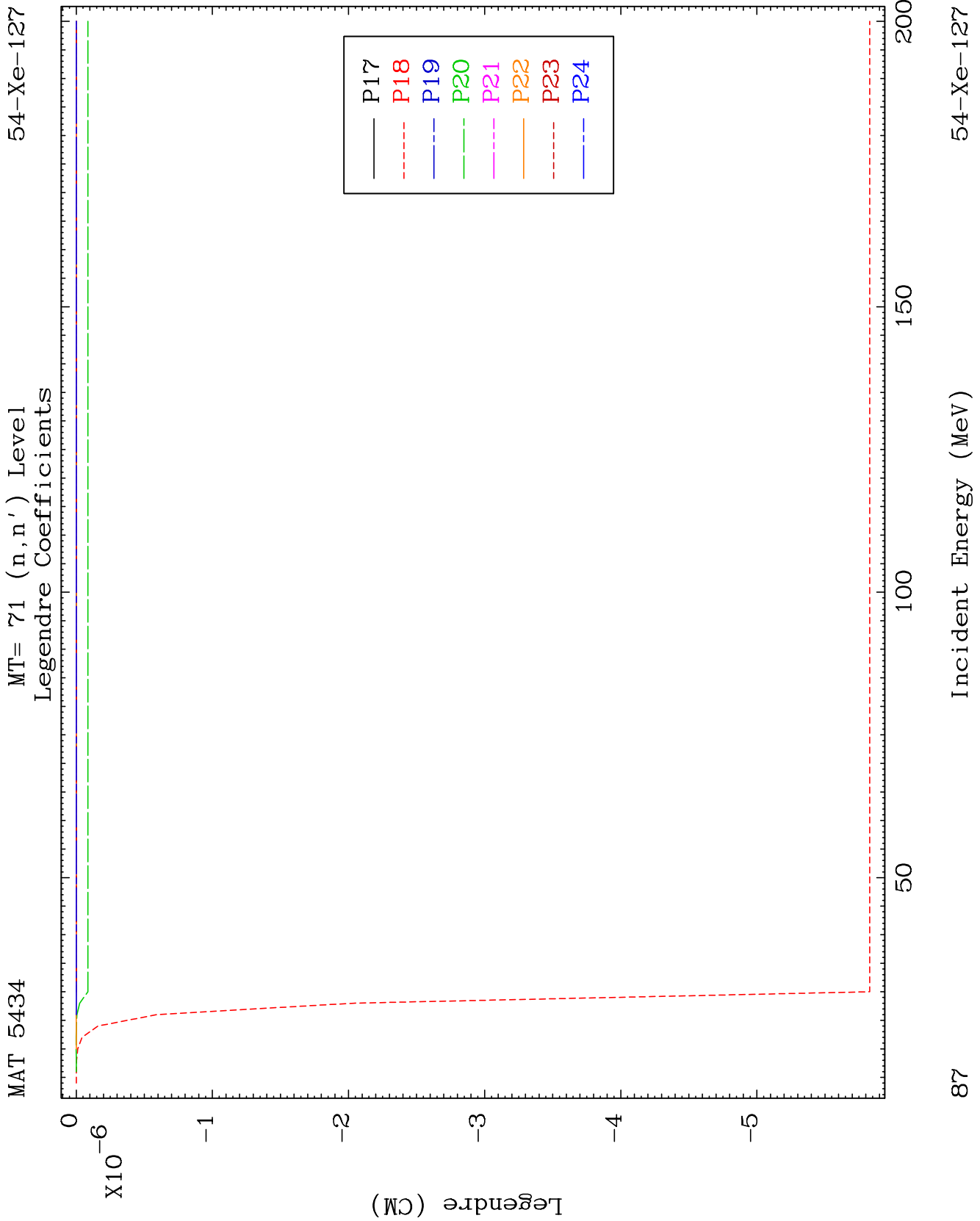
54-Xe-127



86

Incident Energy (MeV)

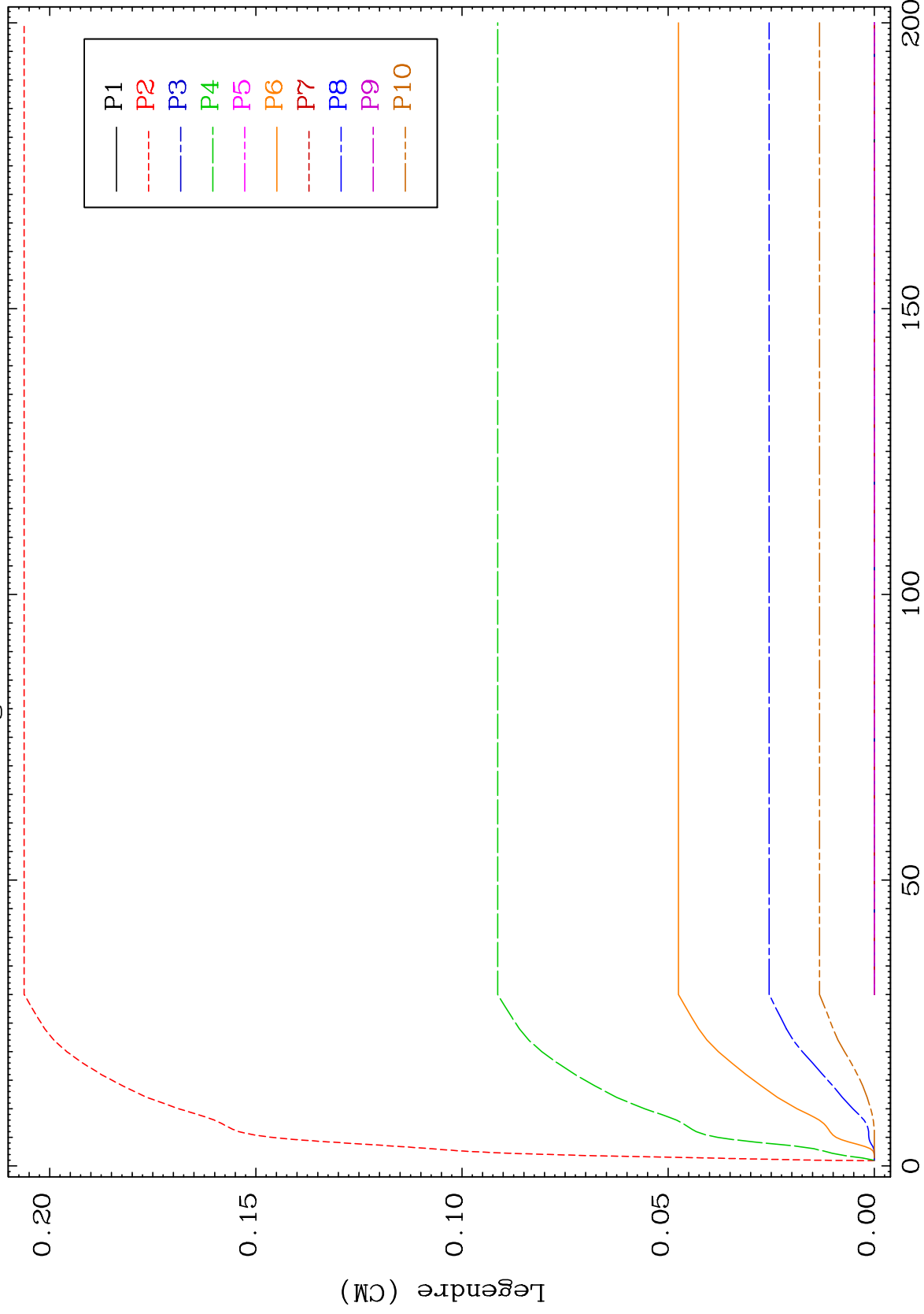
54-Xe-127



MAT 5434

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

54-Xe-127



54-Xe-127

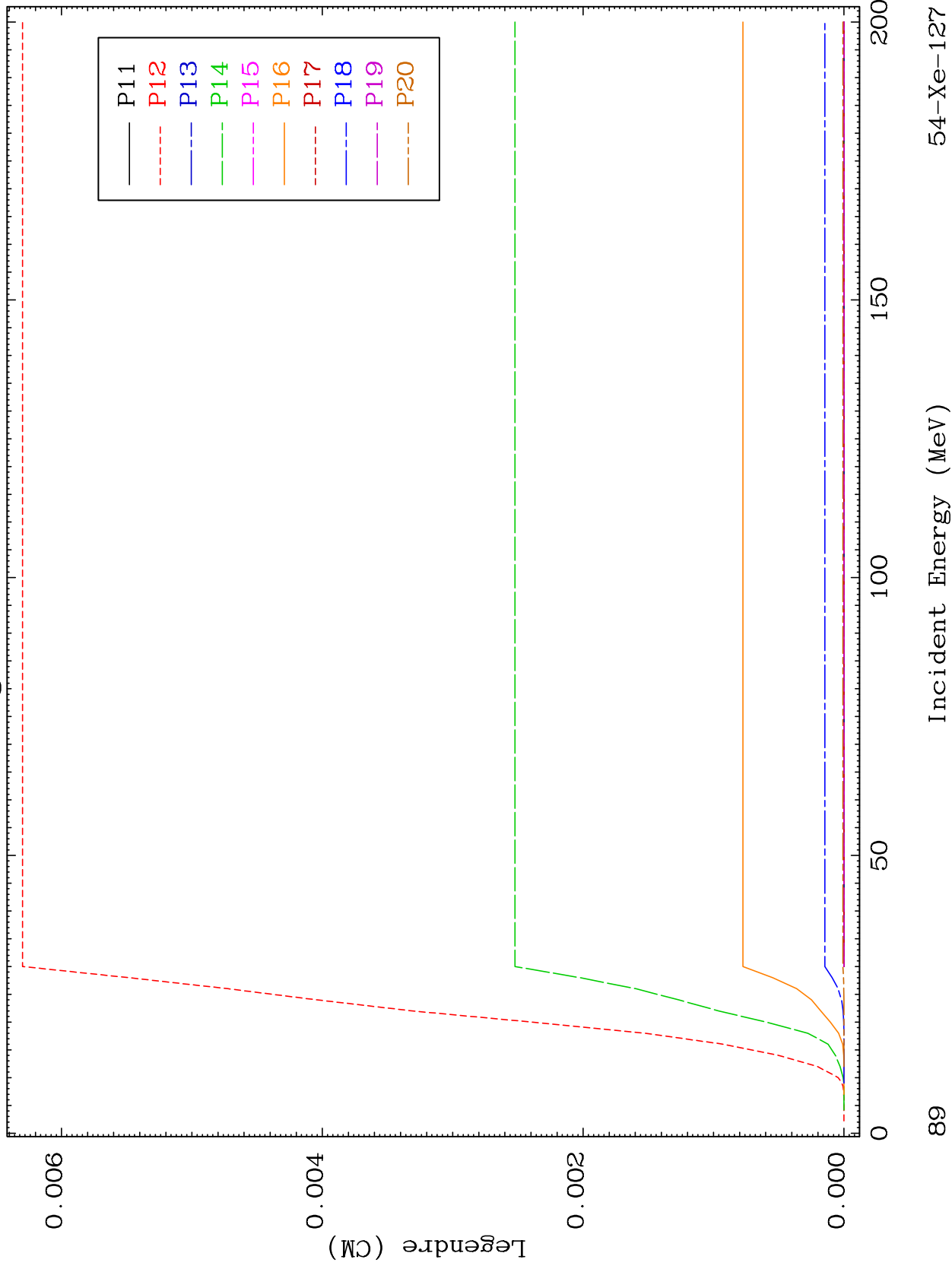
Incident Energy (MeV)

88

MAT 5434

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

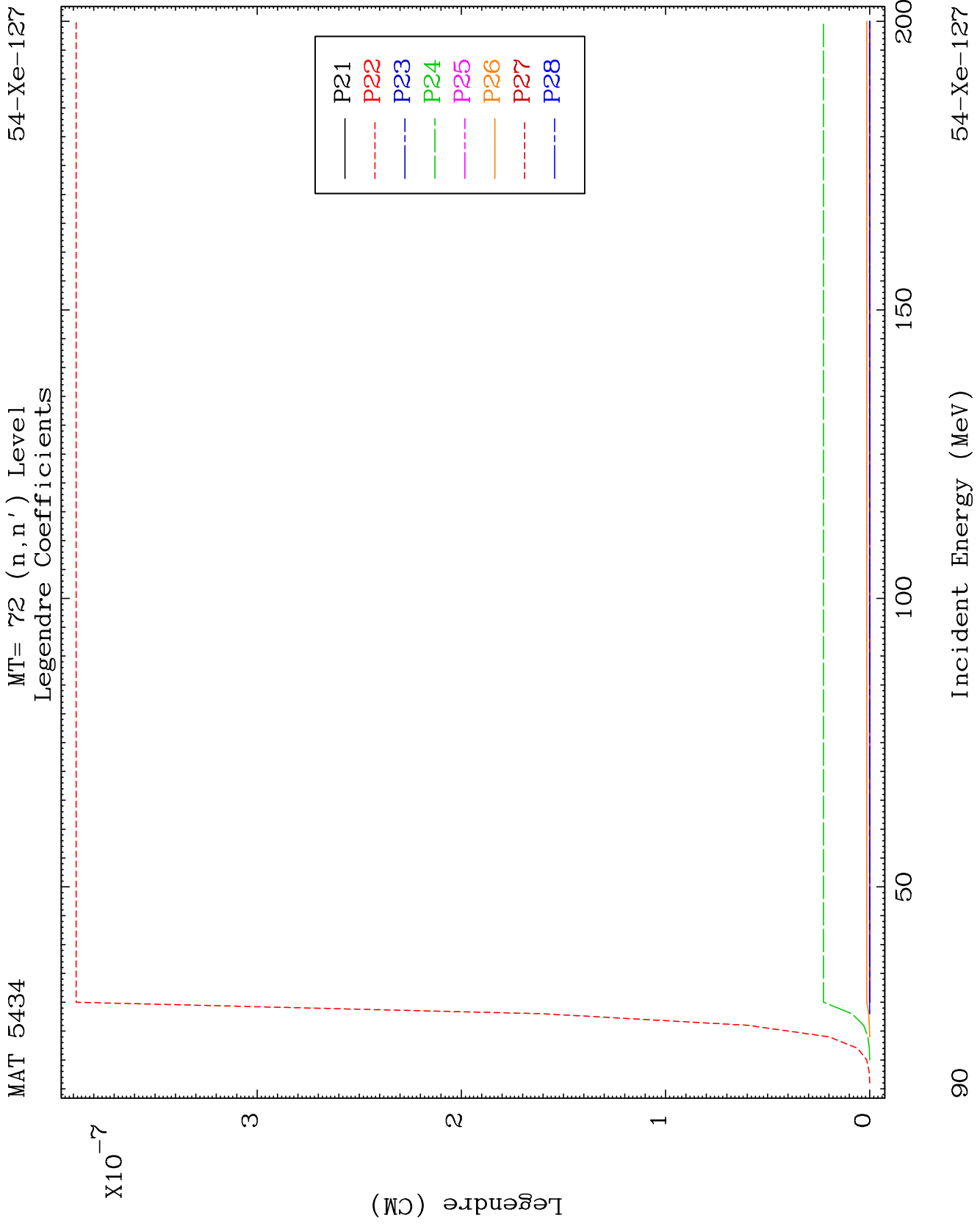
54-Xe-127



89

Incident Energy (MeV)

54-Xe-127

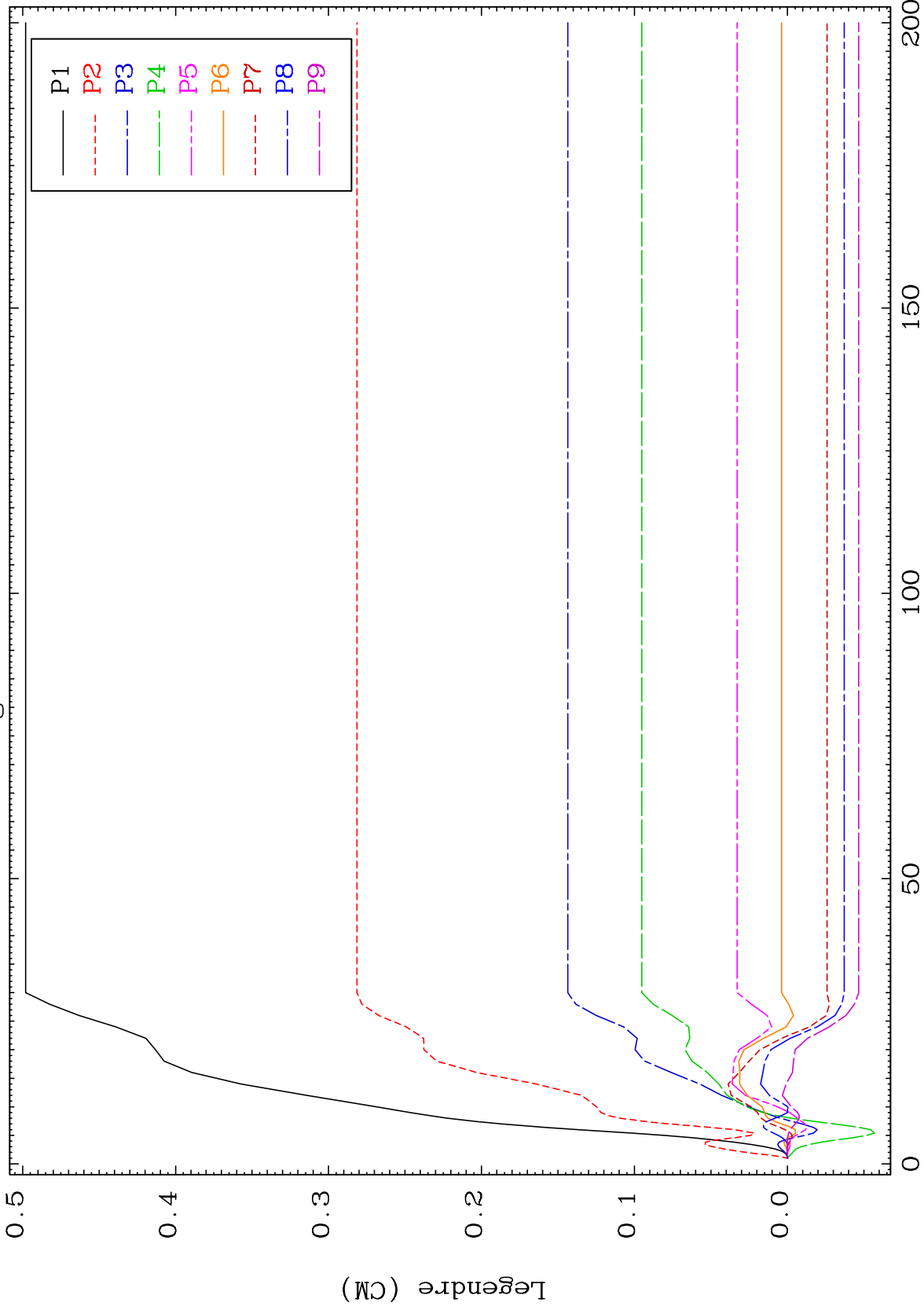


MAT 5434

MT= 73 (n,n') Level

54-Xe-127

Legendre Coefficients



91

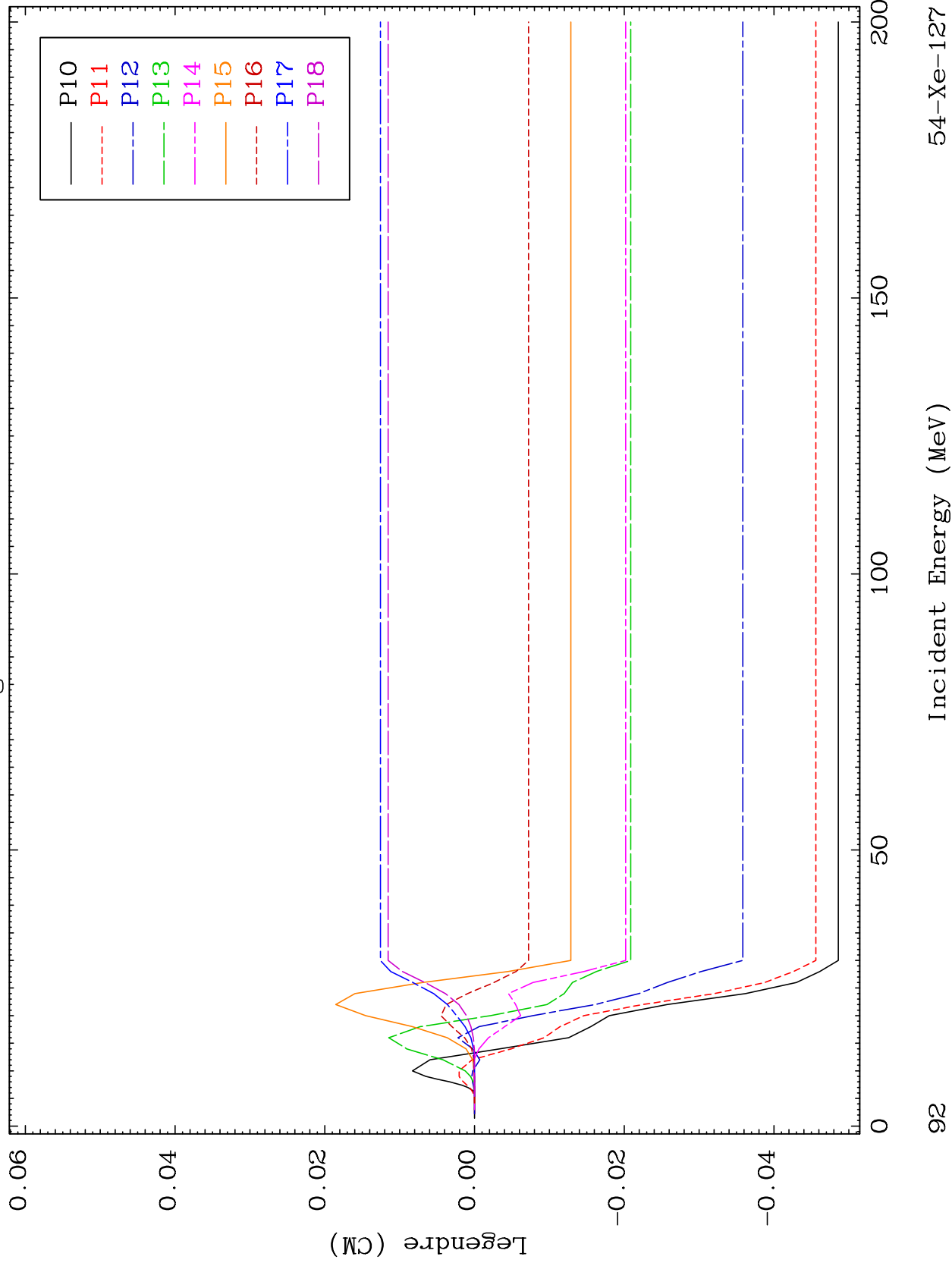
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



54-Xe-127

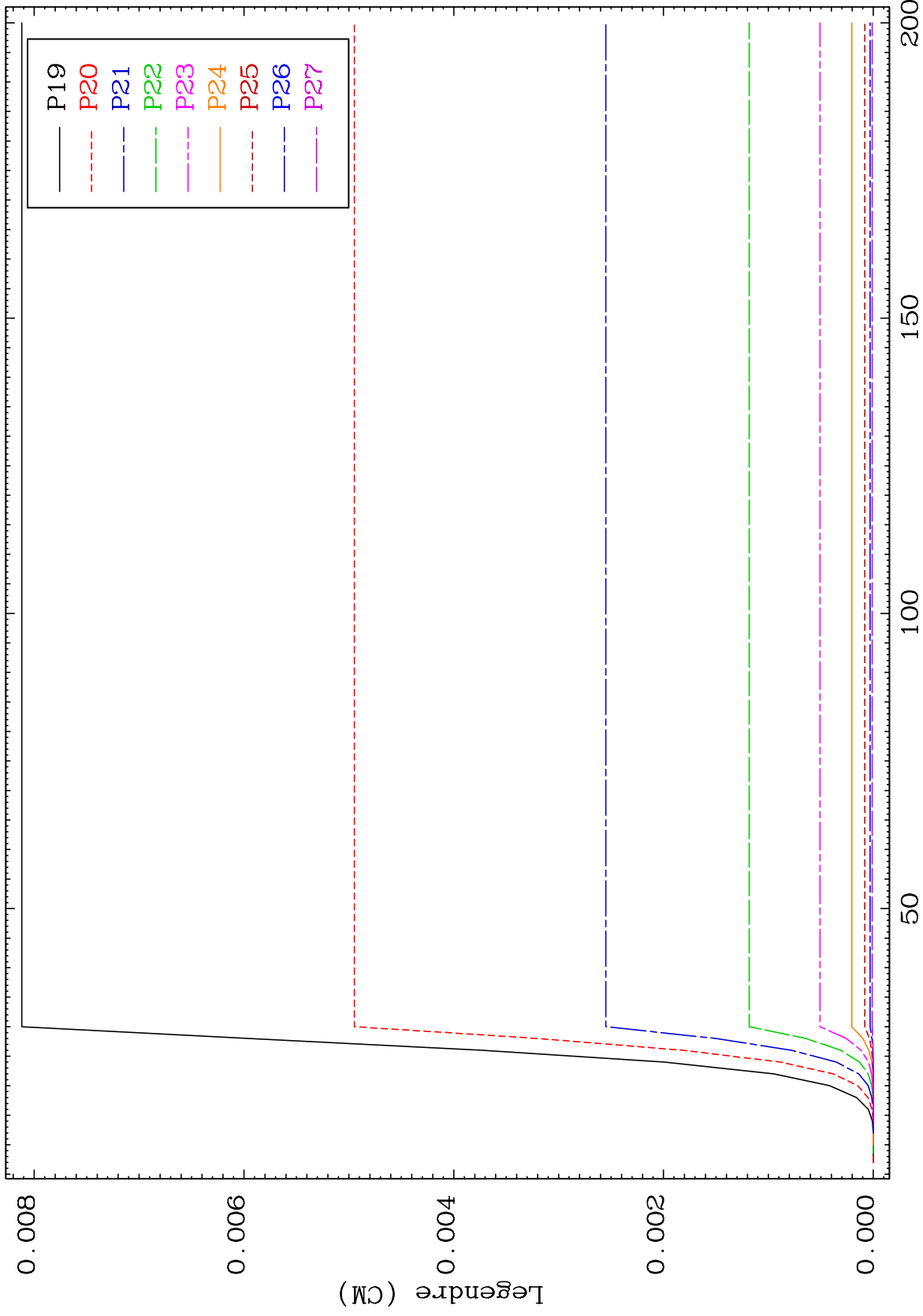
Incident Energy (MeV)

92

MAT 5434

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

54-Xe-127



93

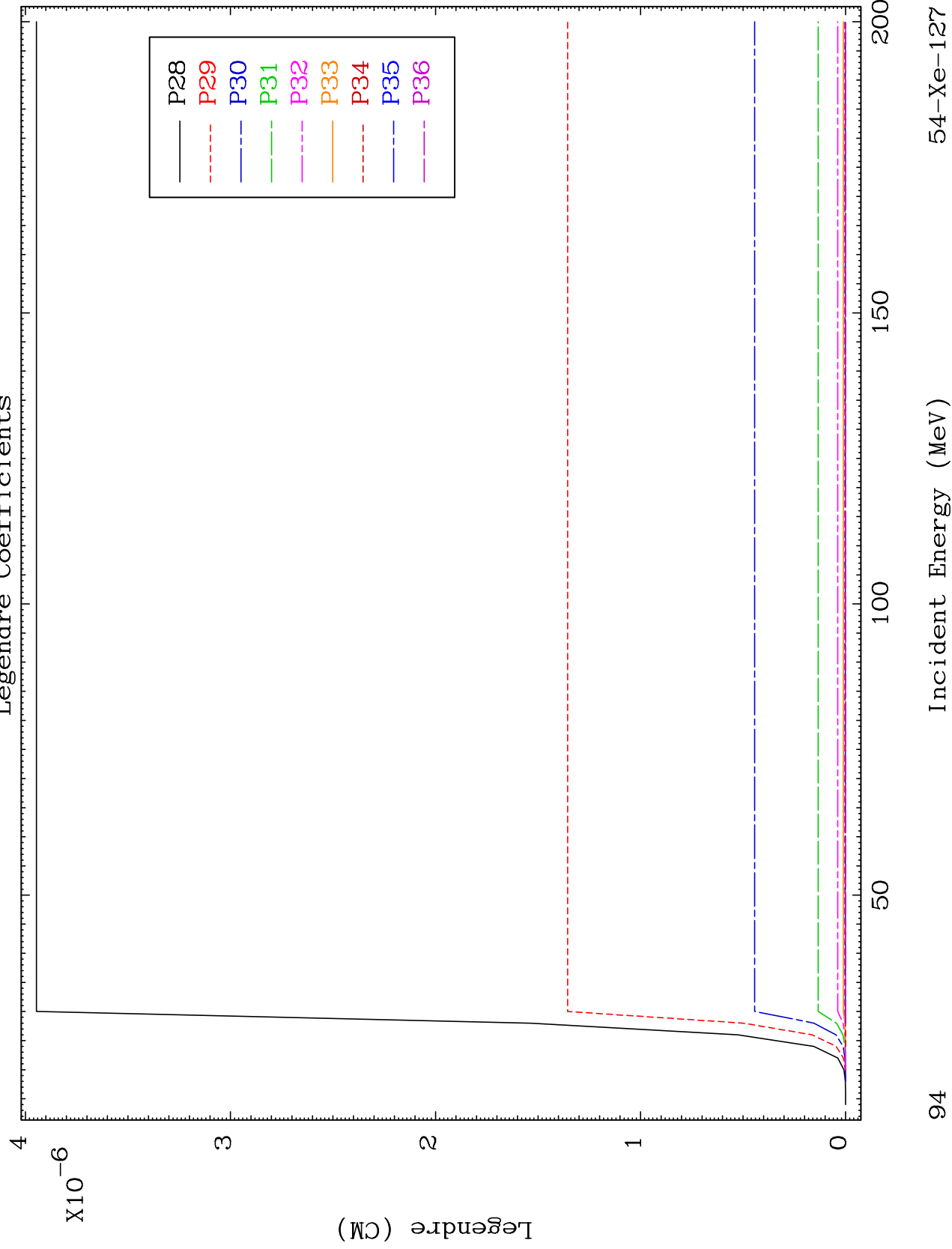
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127

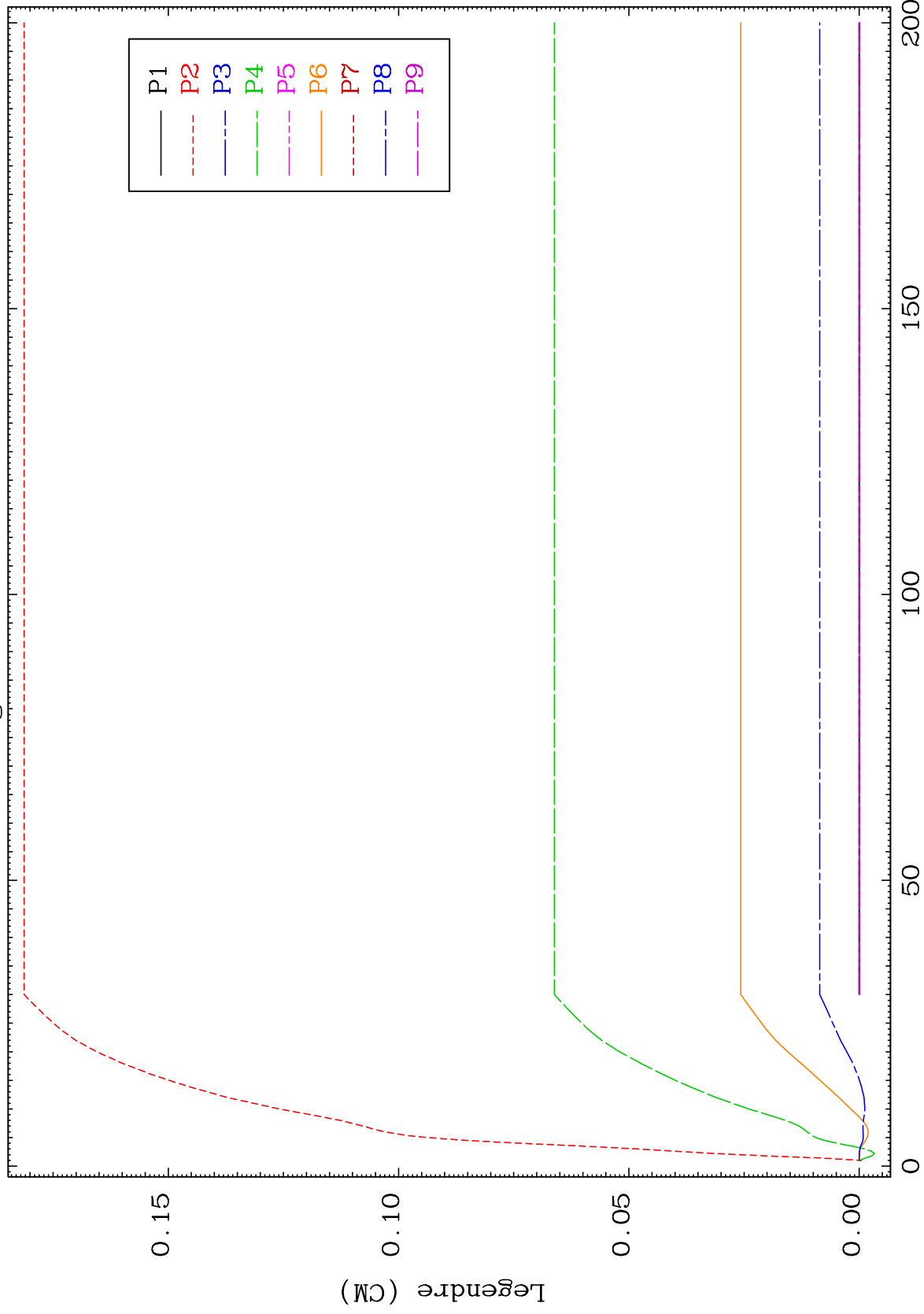


94

MAT 5434

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

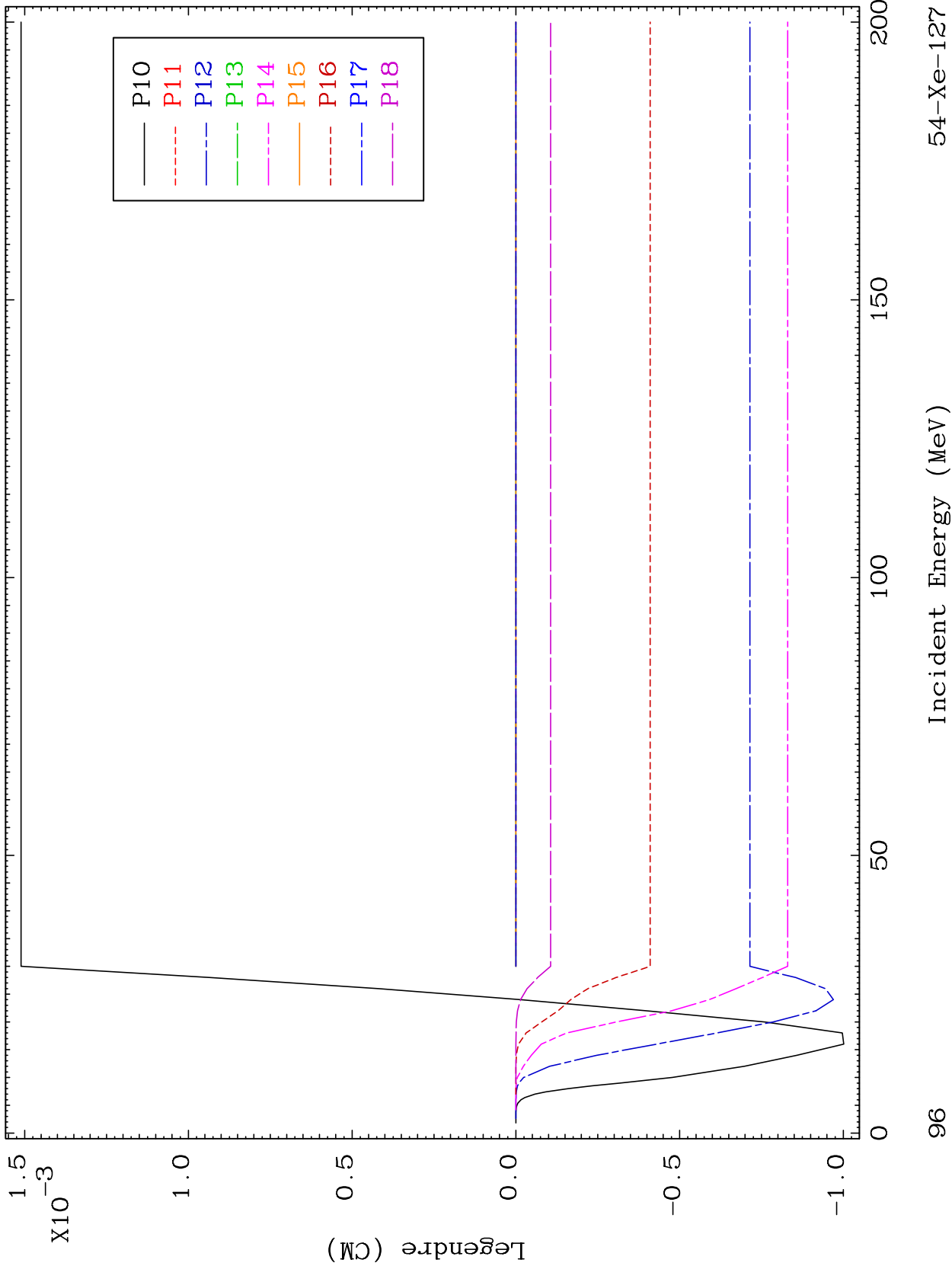
54-Xe-127



95

Incident Energy (MeV)

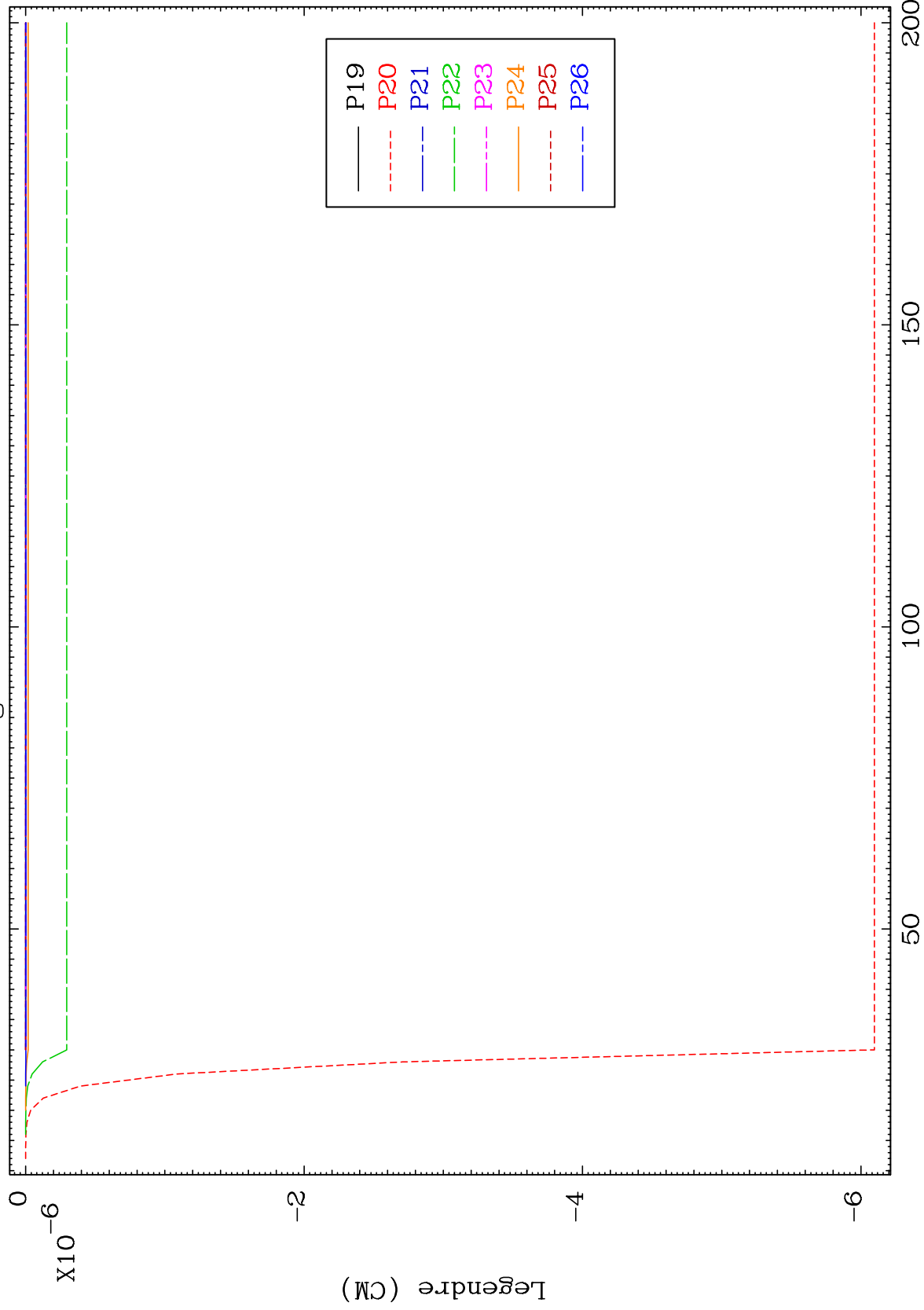
54-Xe-127



MAT 5434

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

54-Xe-127

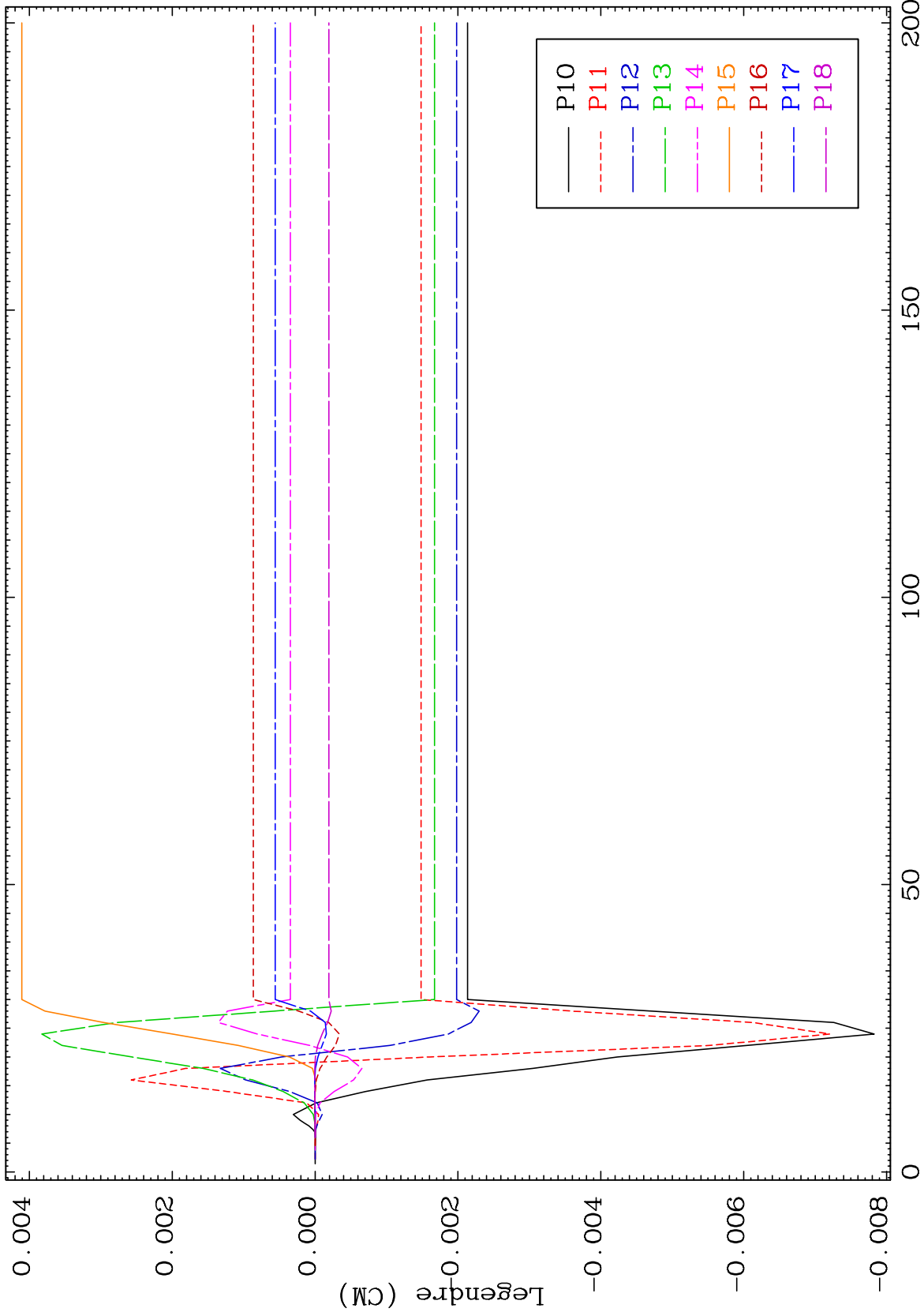




MAT 5434

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

54-Xe-127



99

Incident Energy (MeV)

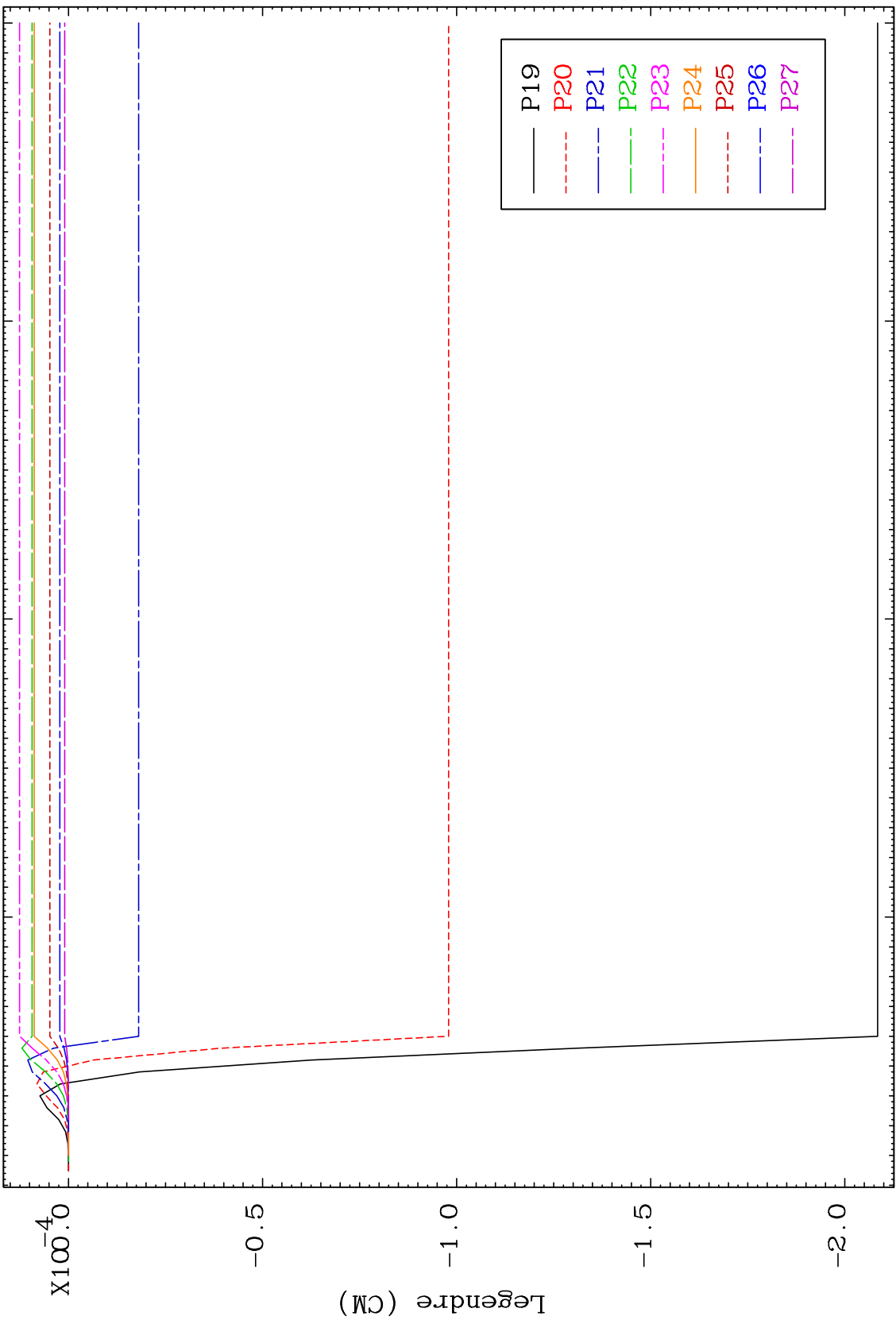
54-Xe-127

MAT 5434

MT= 75 (n,n') Level

54-Xe-127

Legendre Coefficients



54-Xe-127

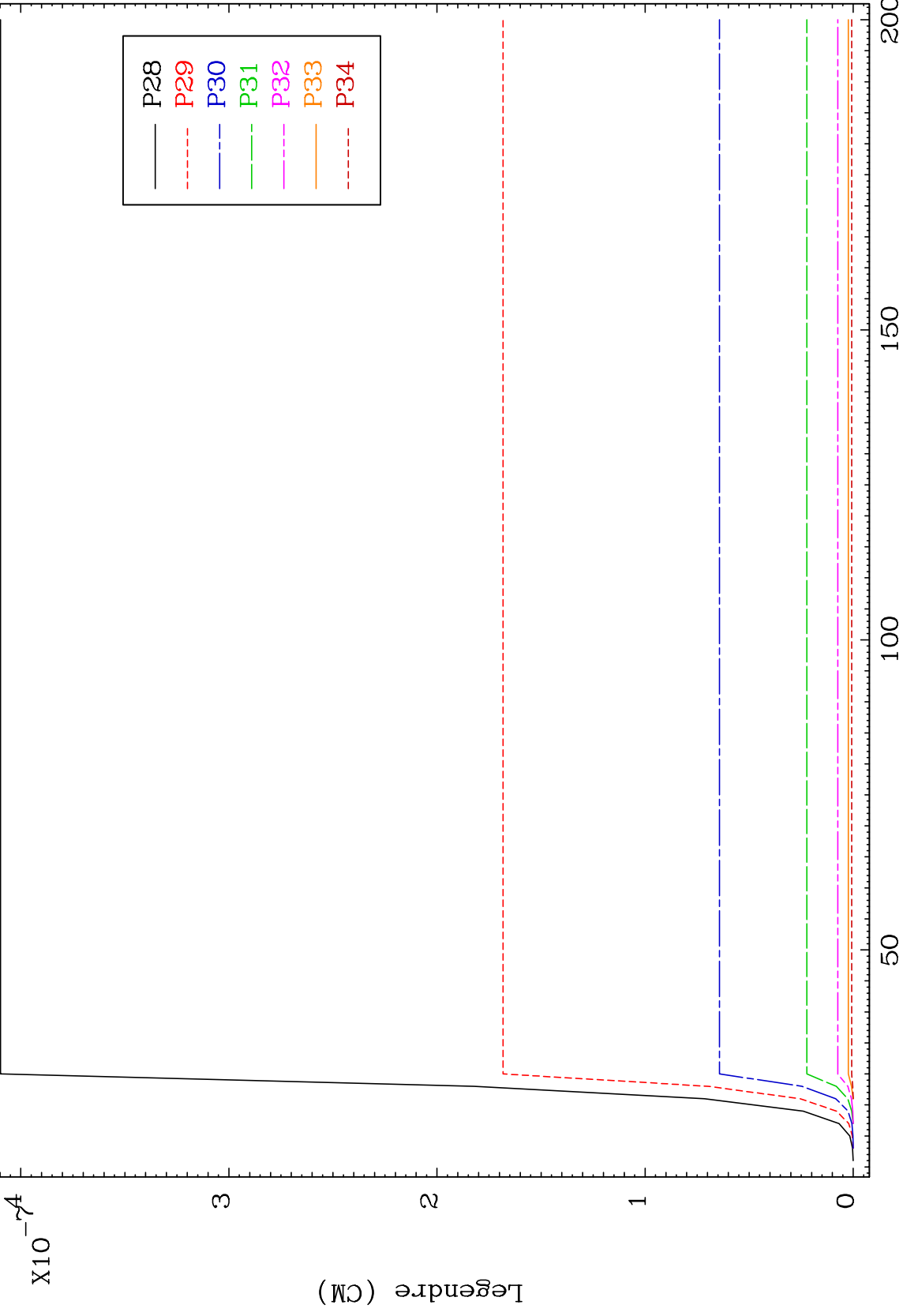
Incident Energy (MeV)

100

MAT 5434

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

54-Xe-127



101

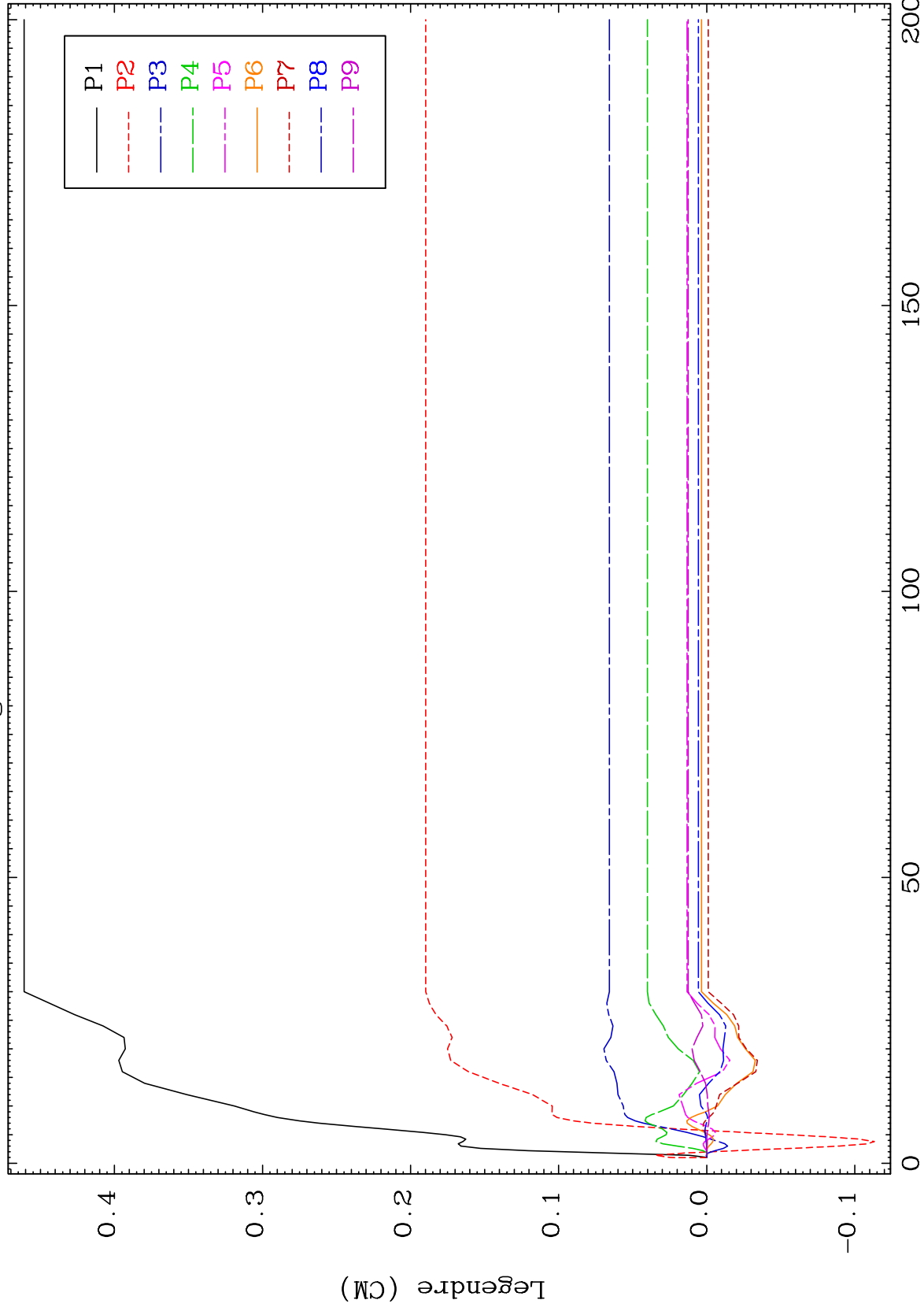
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



54-Xe-127

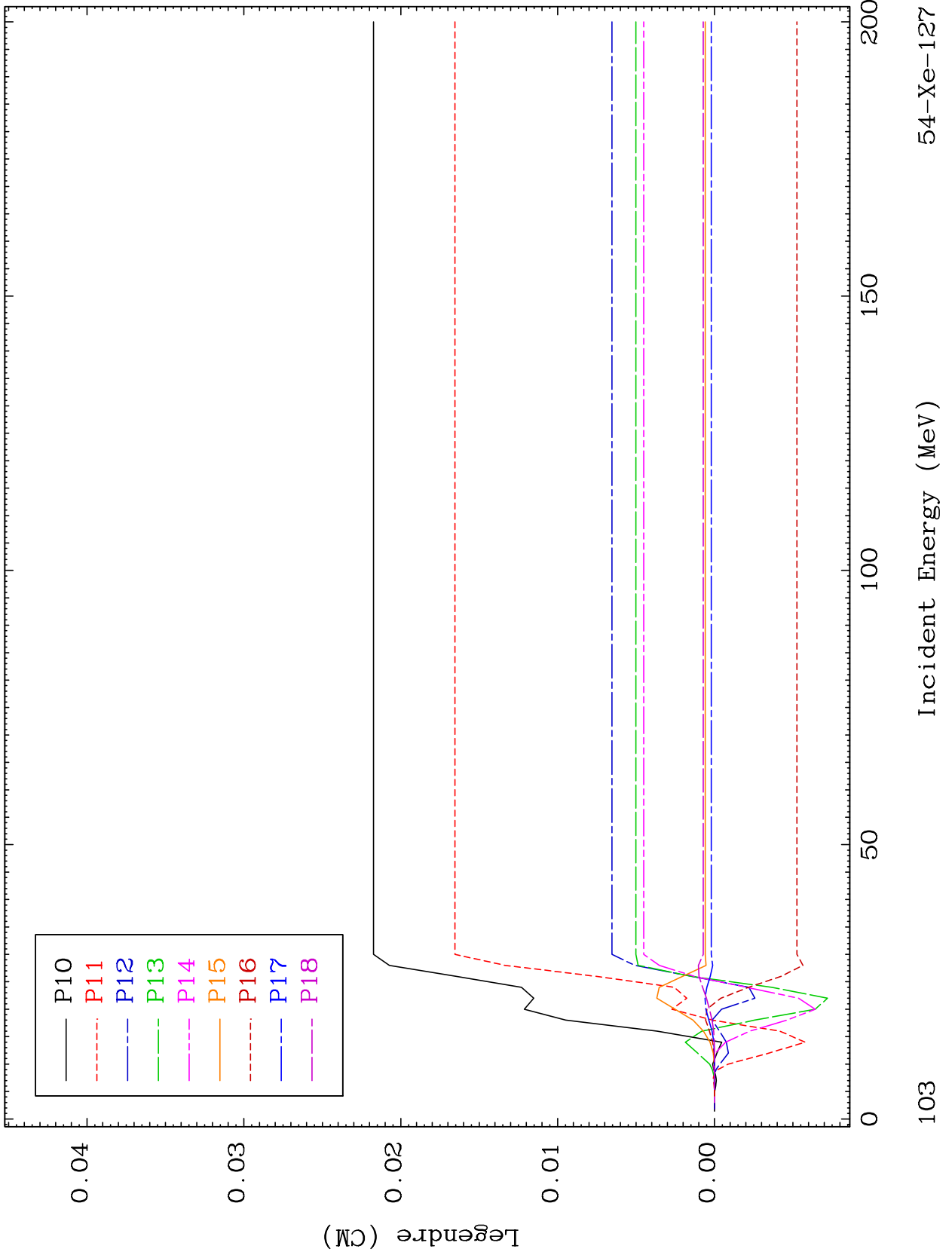
Incident Energy (MeV)

102

MAT 5434

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

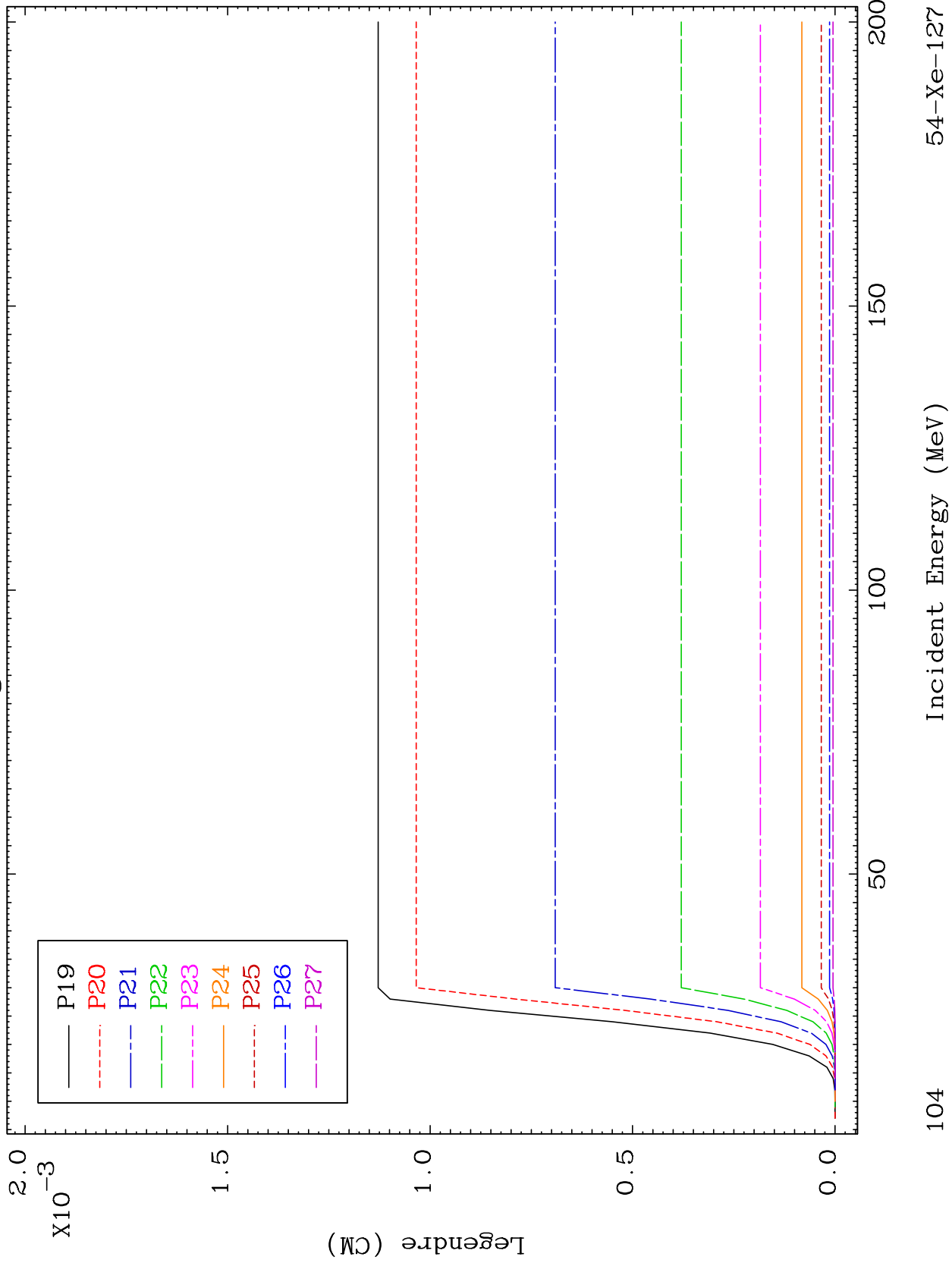
54-Xe-127



MAT 5434

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

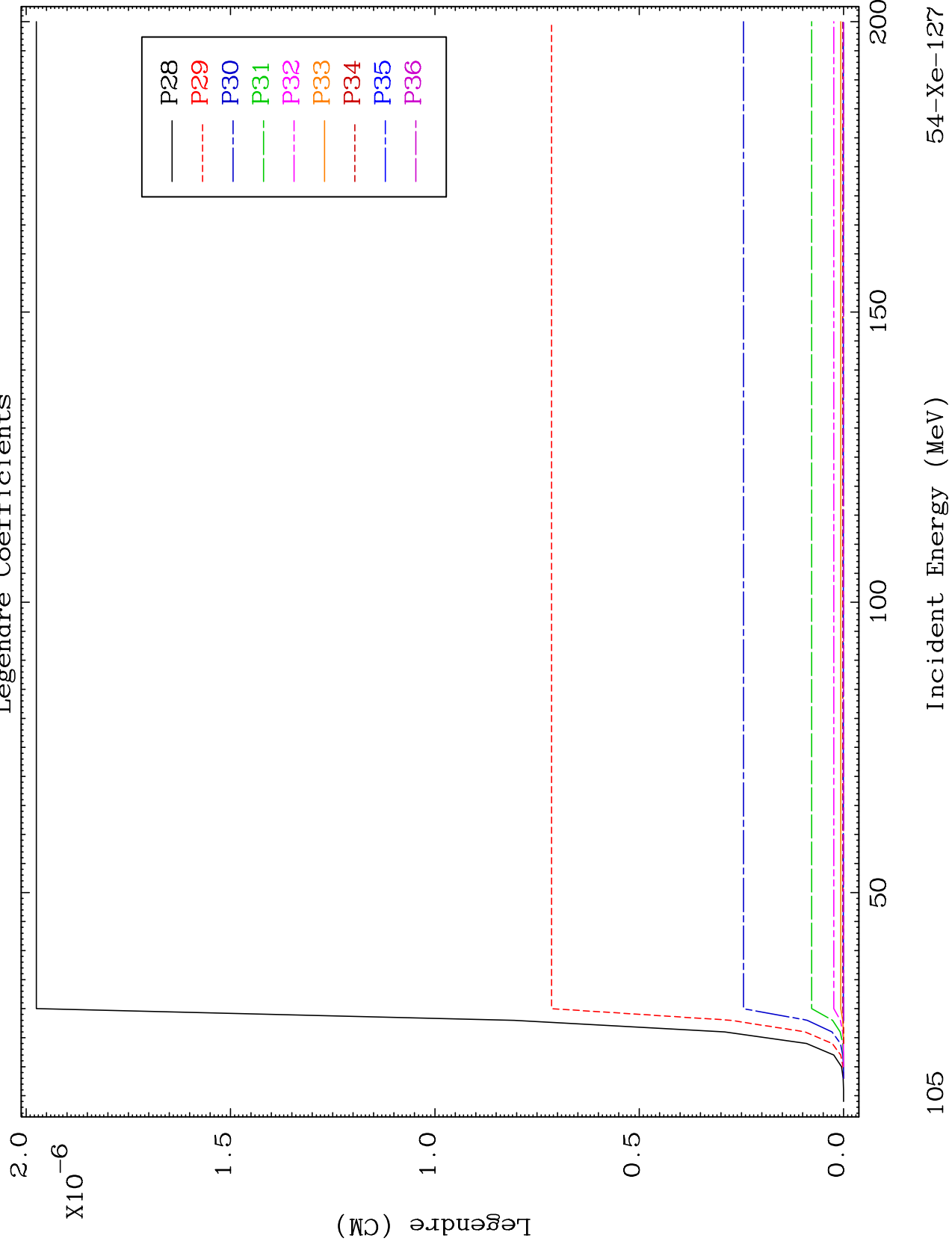
54-Xe-127



MAT 5434

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

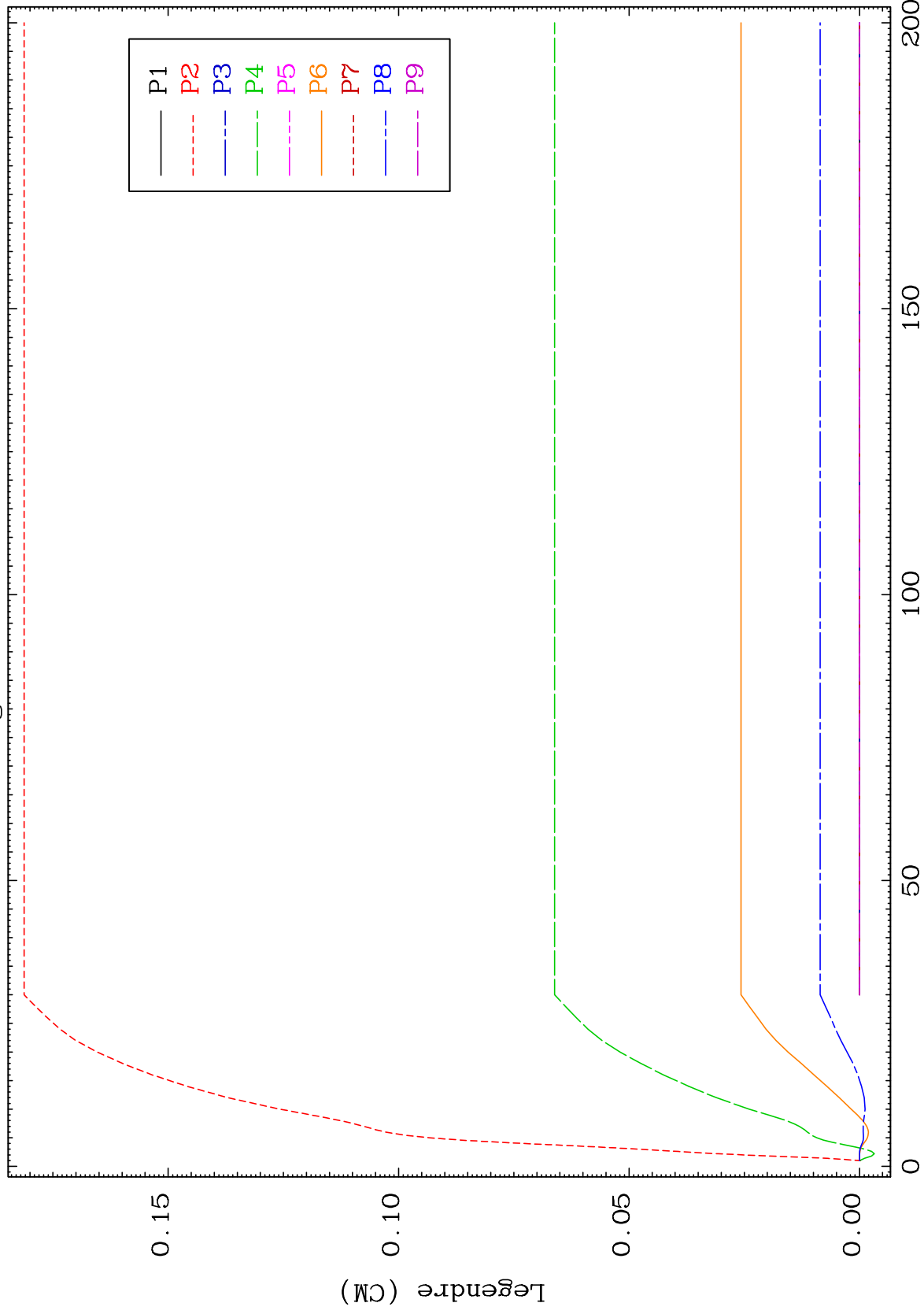
54-Xe-127



MAT 5434

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

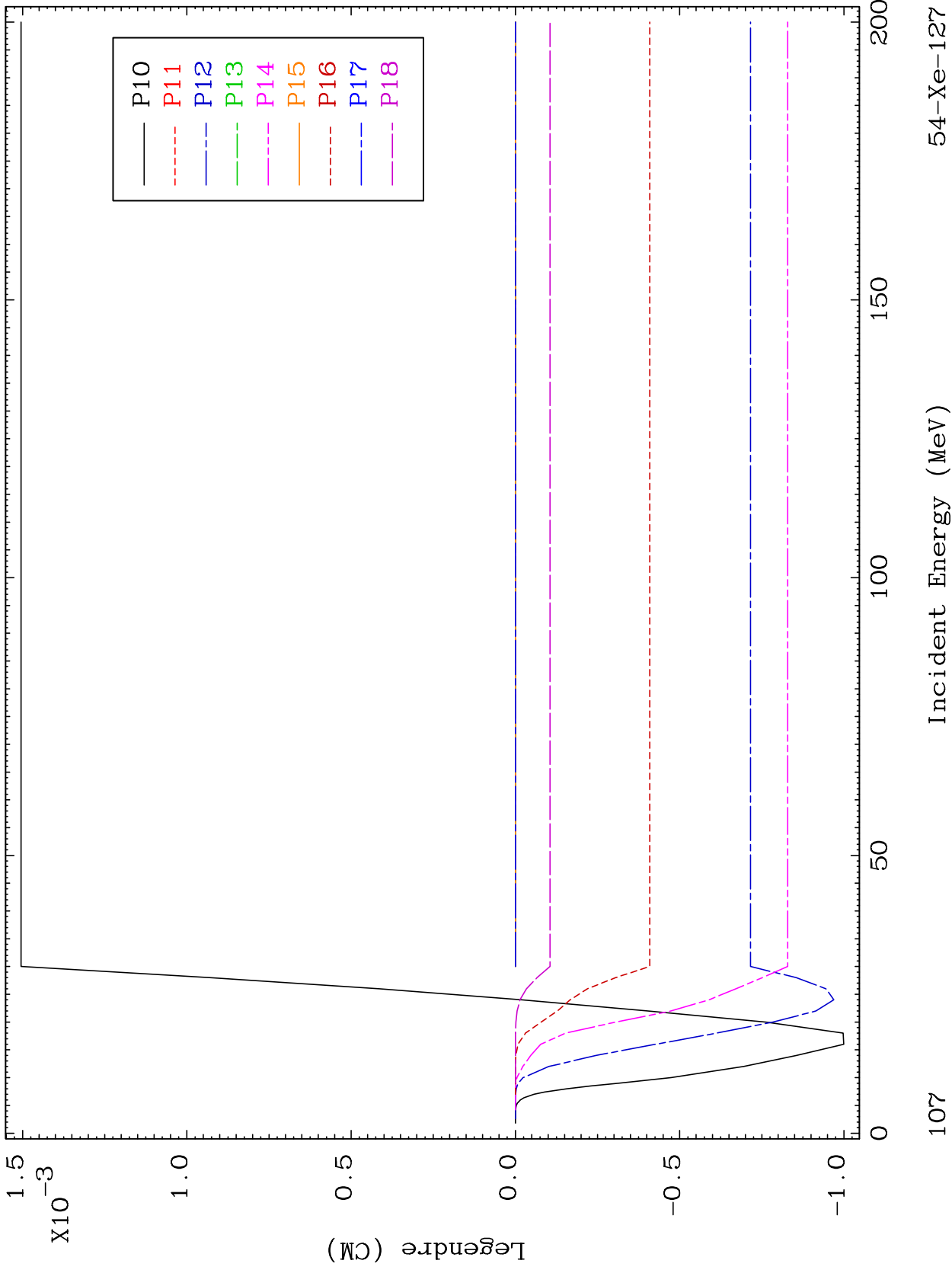
54-Xe-127



54-Xe-127

Incident Energy (MeV)

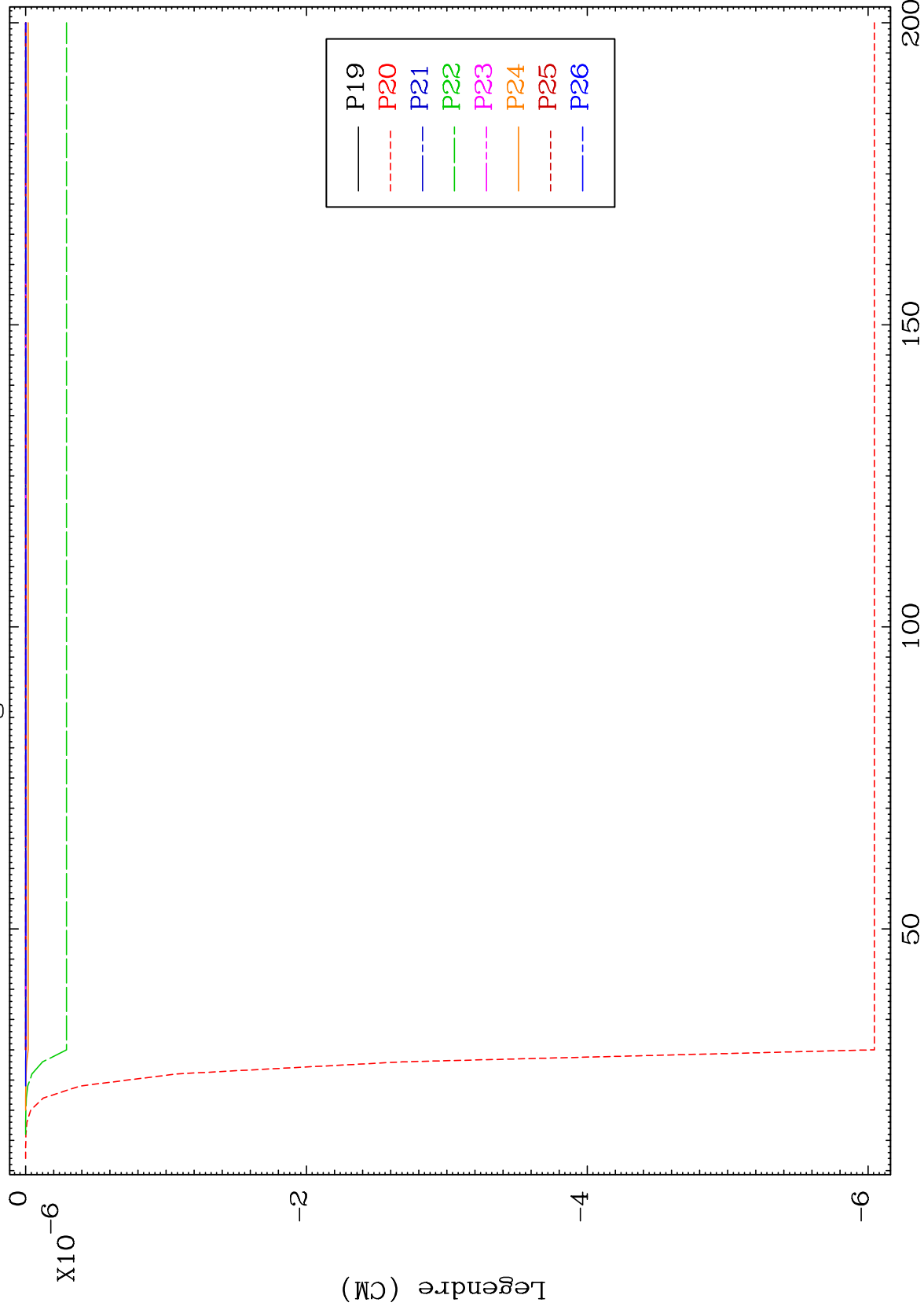
106



MAT 5434

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

54-Xe-127



54-Xe-127

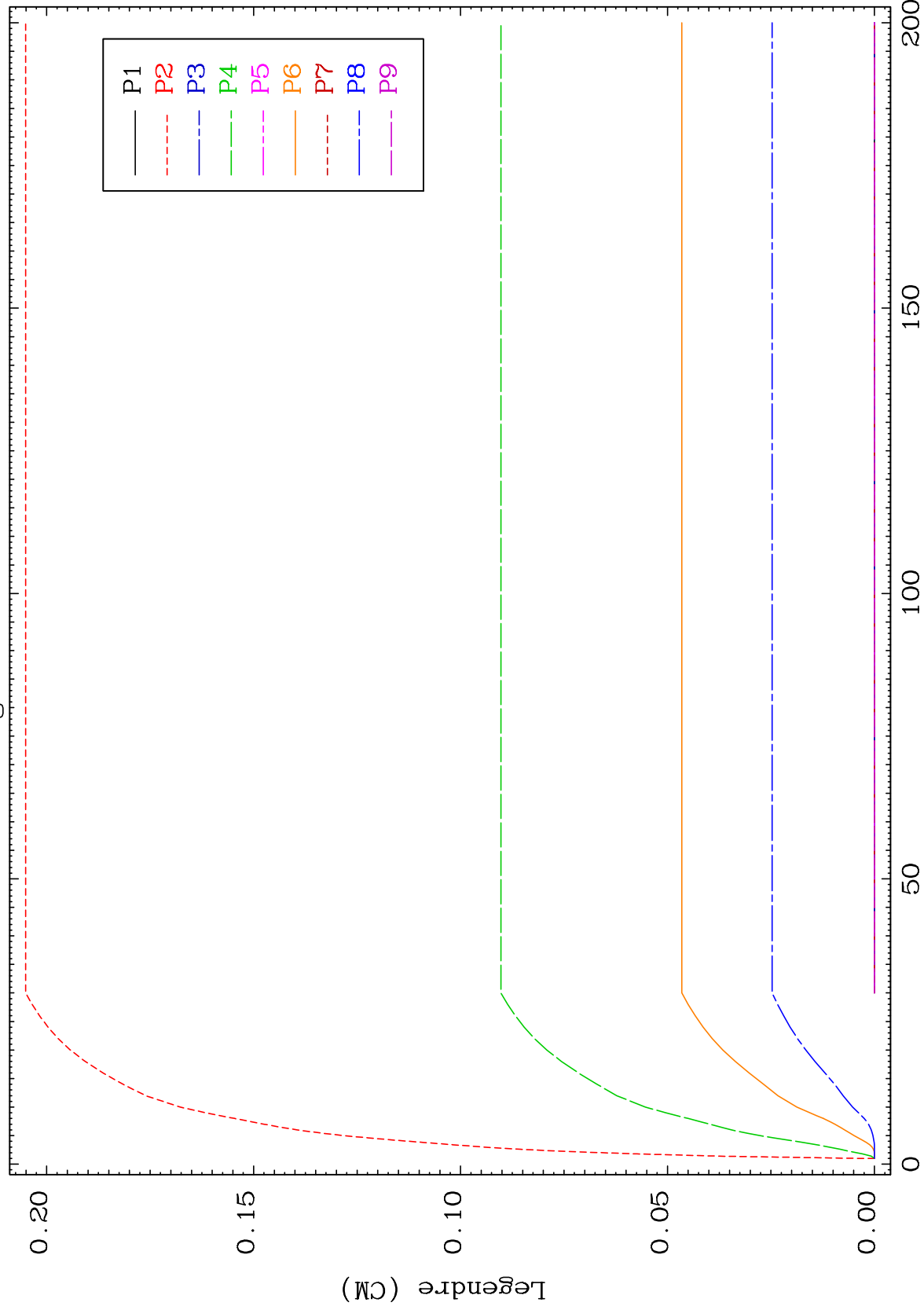
Incident Energy (MeV)

108

MAT 5434

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

54-Xe-127



54-Xe-127

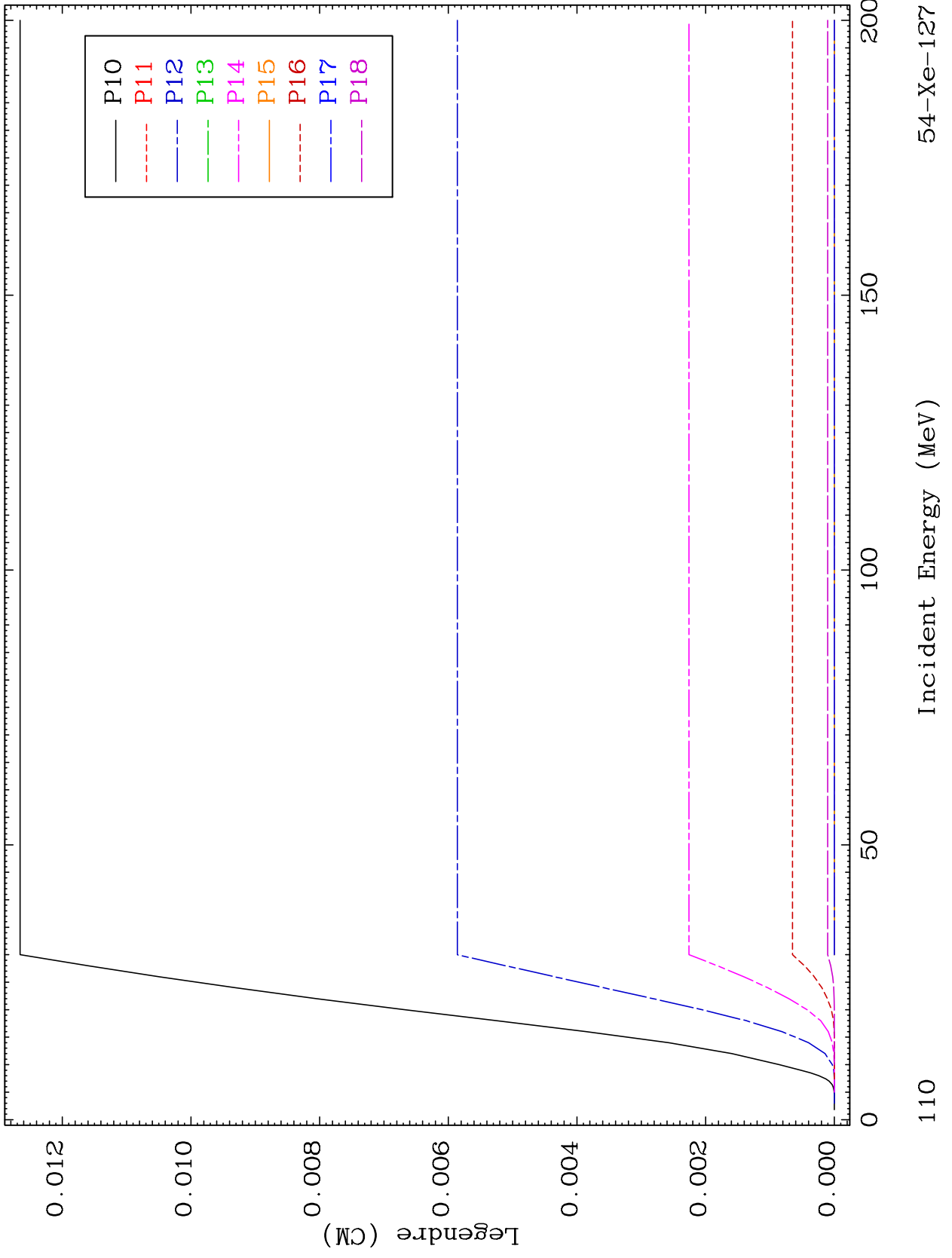
Incident Energy (MeV)

109

MAT 5434

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

54-Xe-127



54-Xe-127

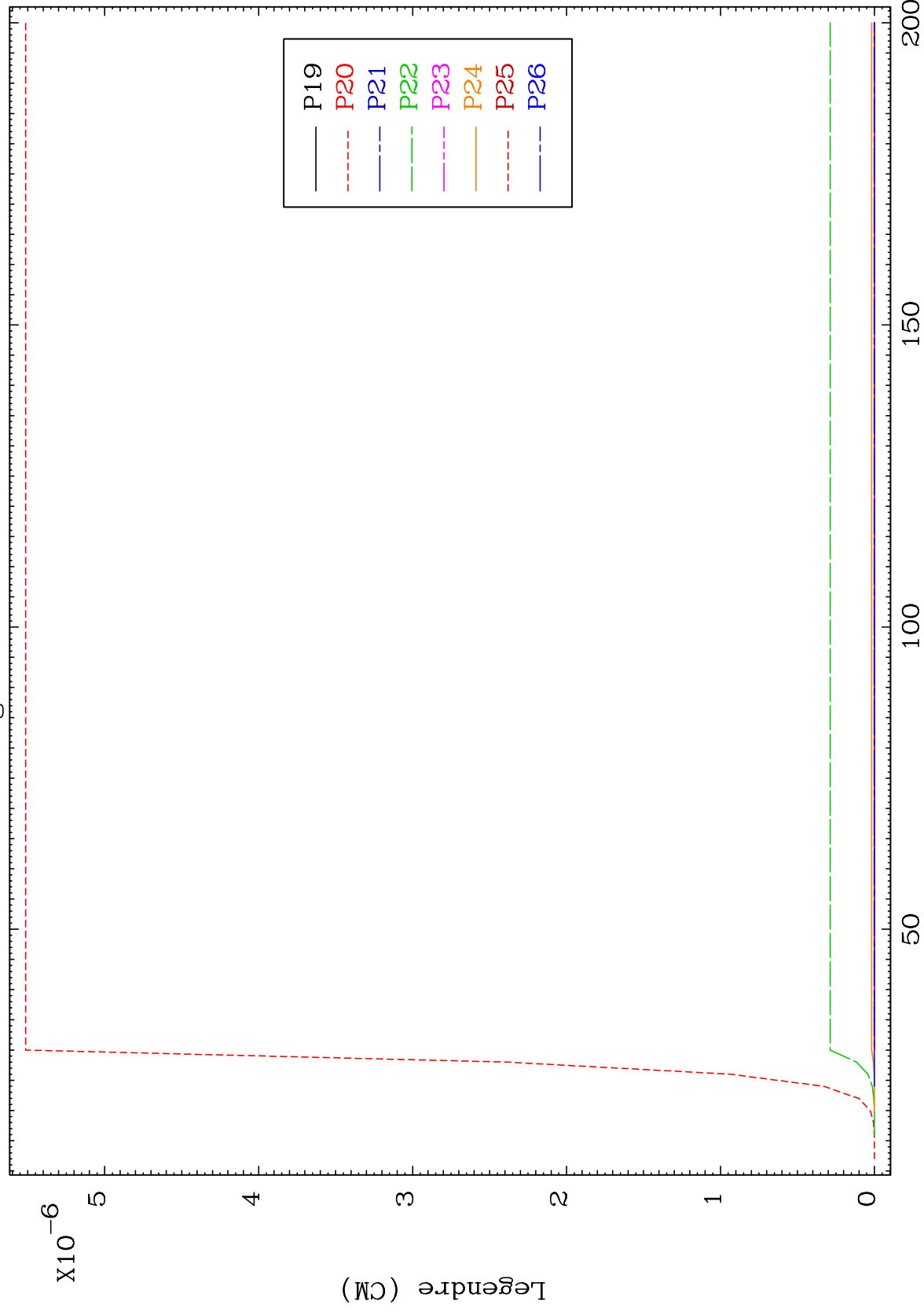
Incident Energy (MeV)

110

MAT 5434

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

54-Xe-127



111

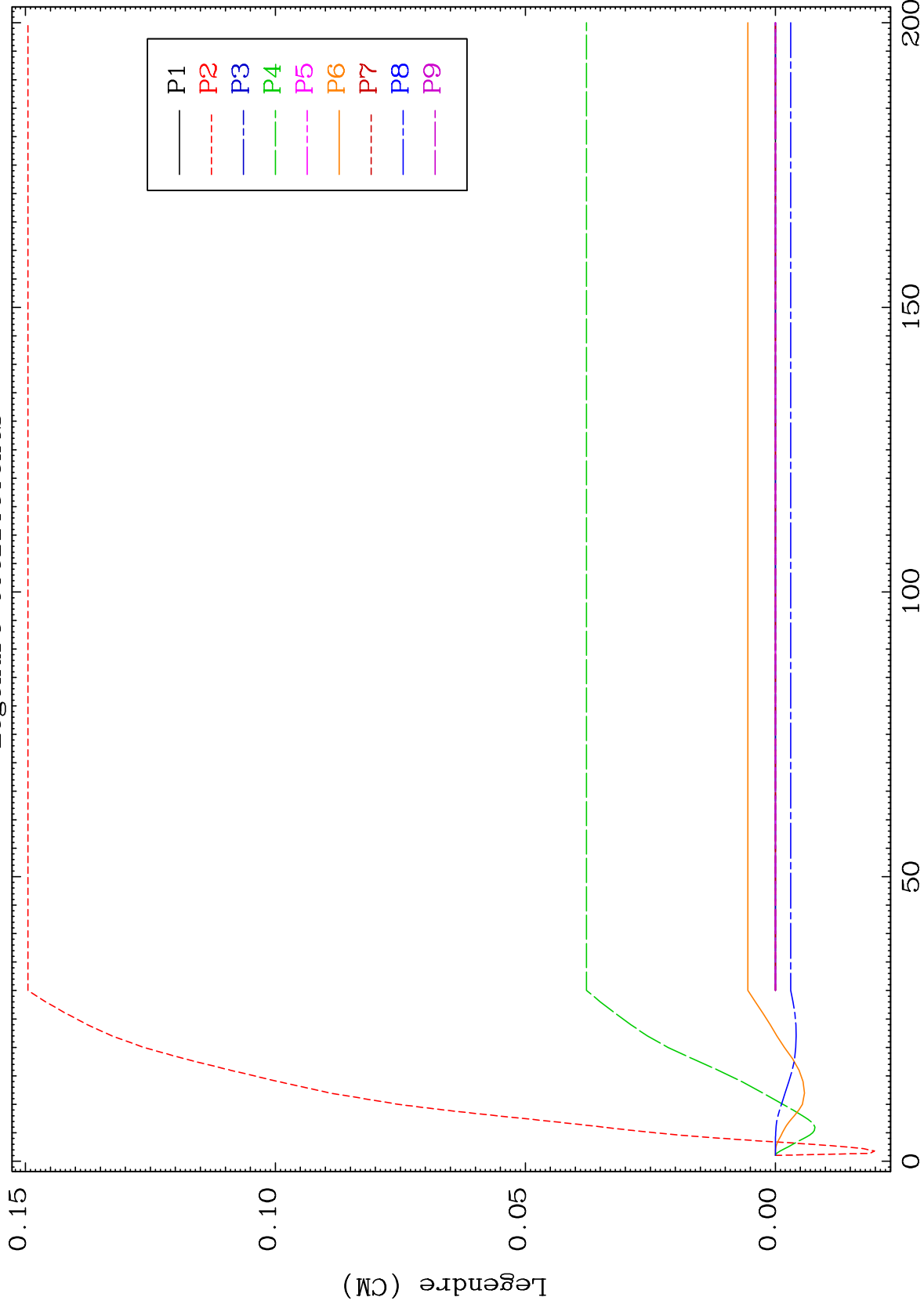
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



54-Xe-127

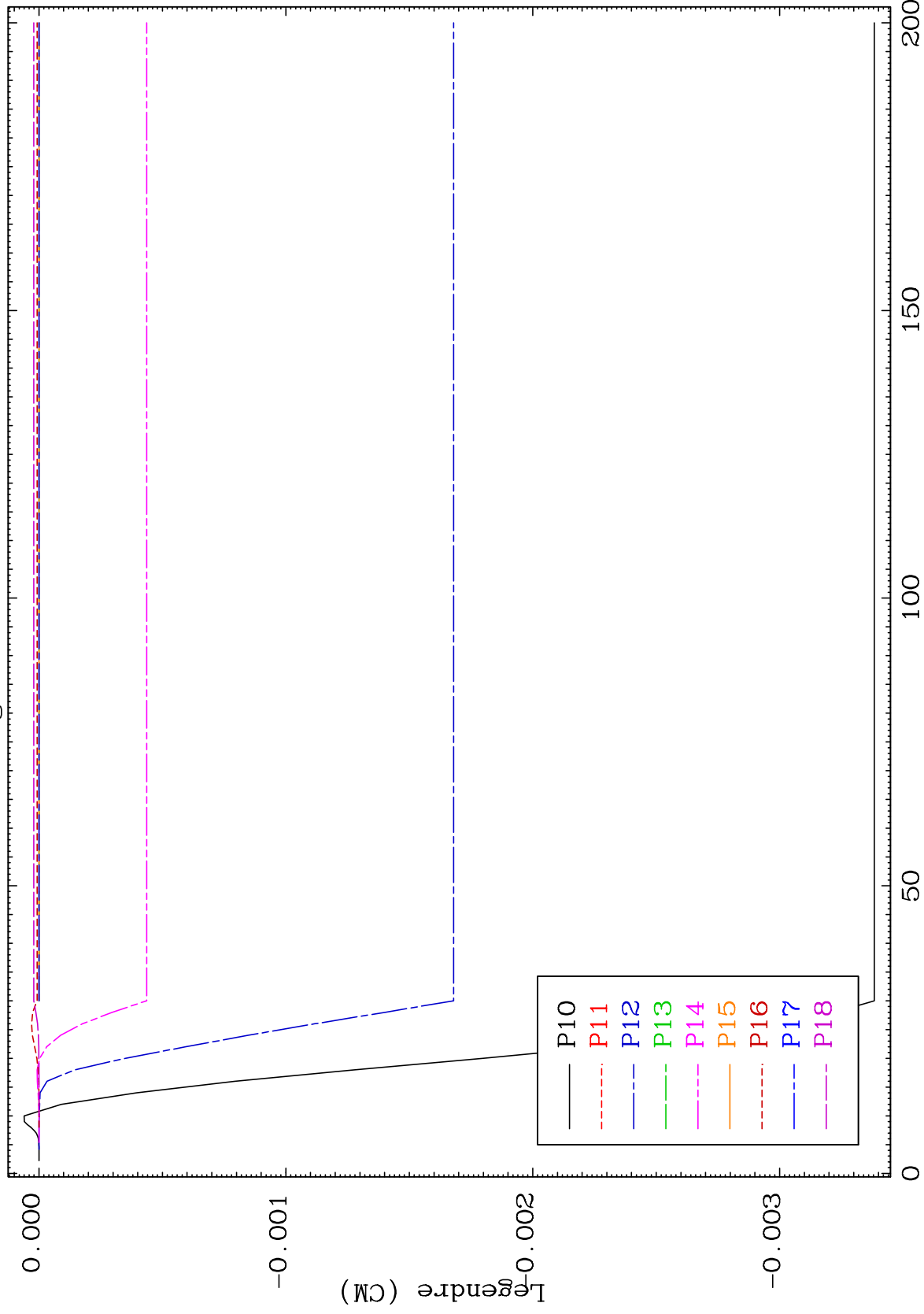
Incident Energy (MeV)

112

MAT 5434

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

54-Xe-127



113

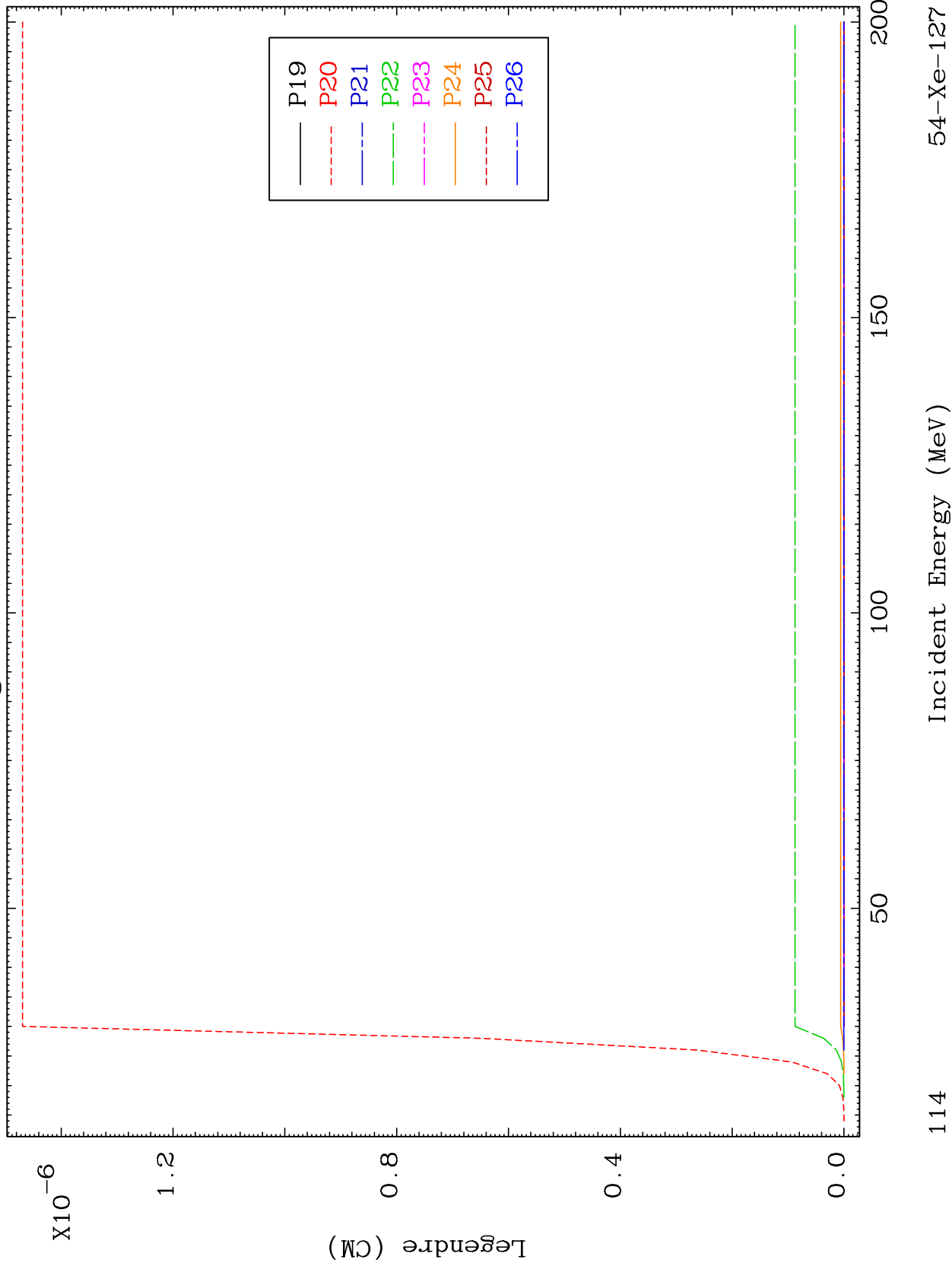
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

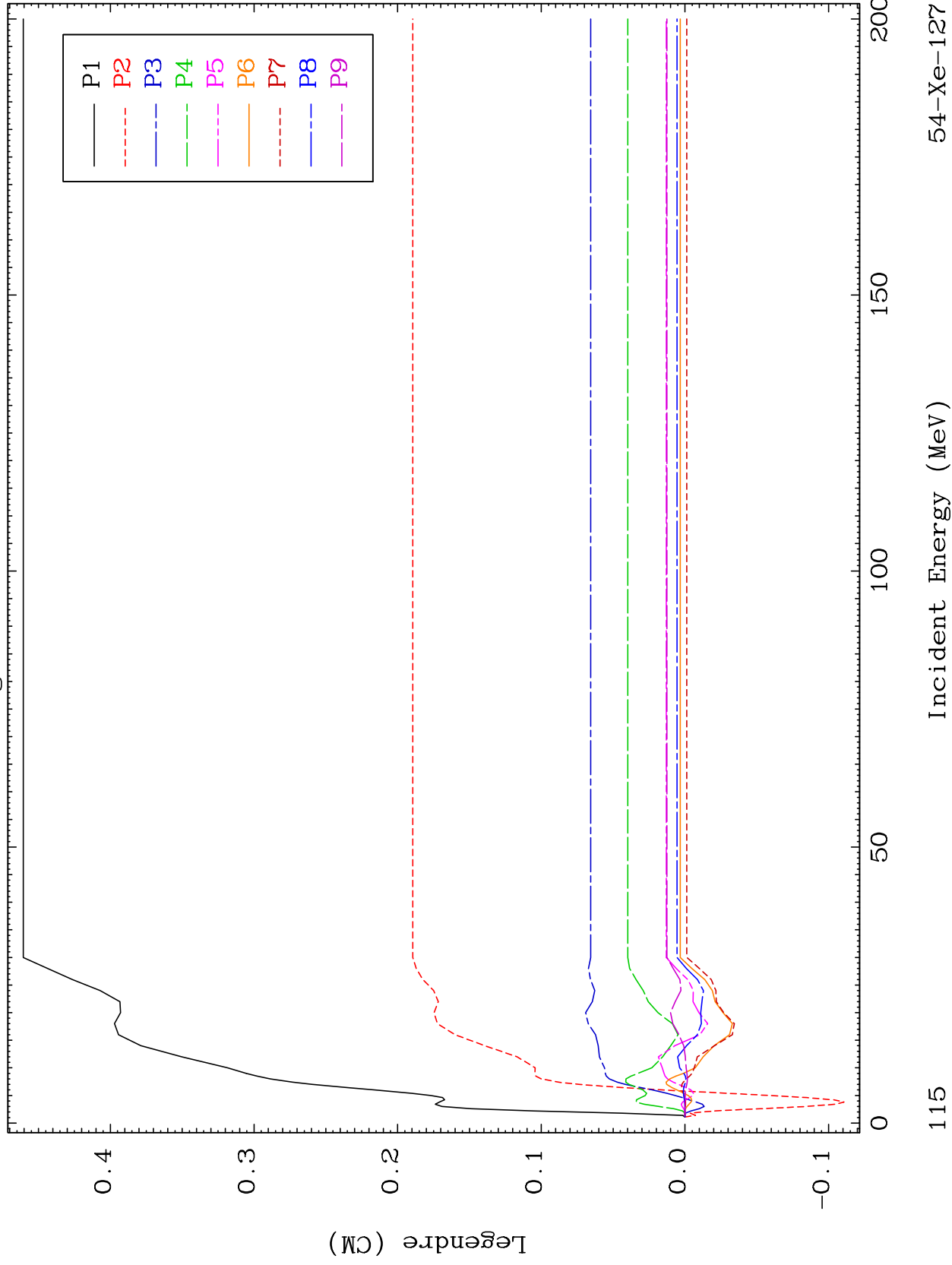
54-Xe-127



MAT 5434

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

54-Xe-127



54-Xe-127

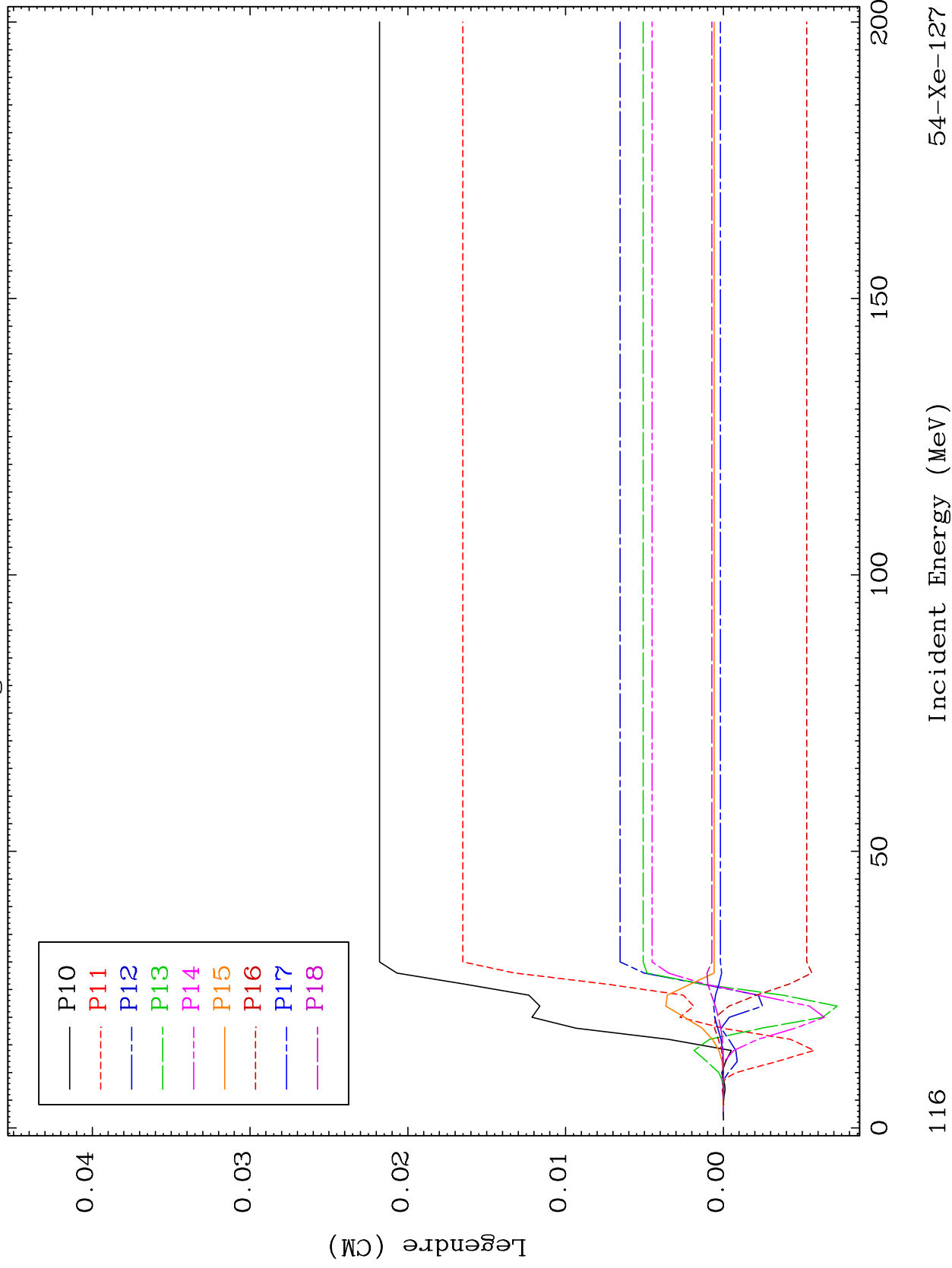
Incident Energy (MeV)

115

MAT 5434

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

54-Xe-127



116

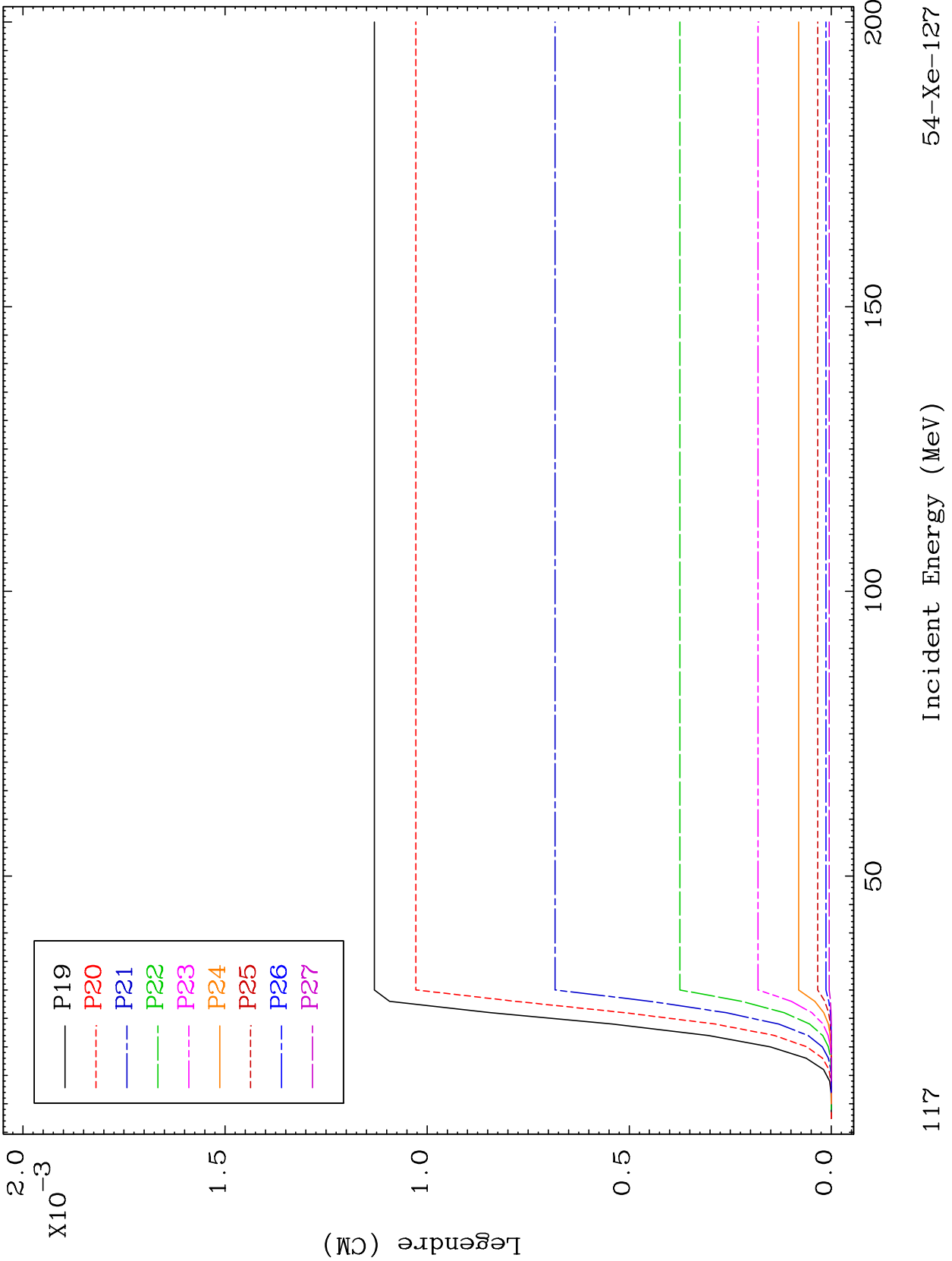
Incident Energy (MeV)

54-Xe-127

MAT 5434

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

54-Xe-127



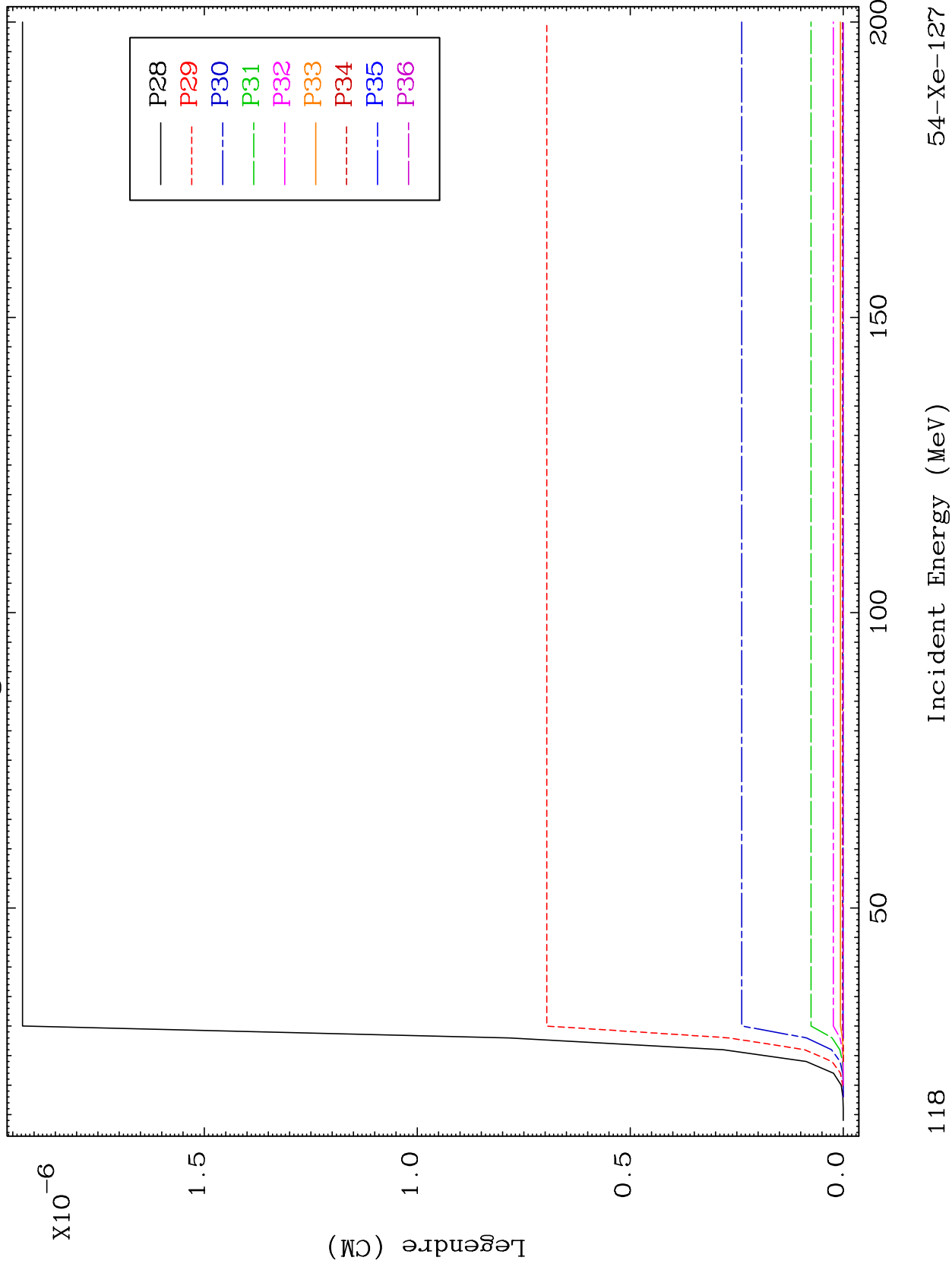
117

54-Xe-127

MAT 5434

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

54-Xe-127

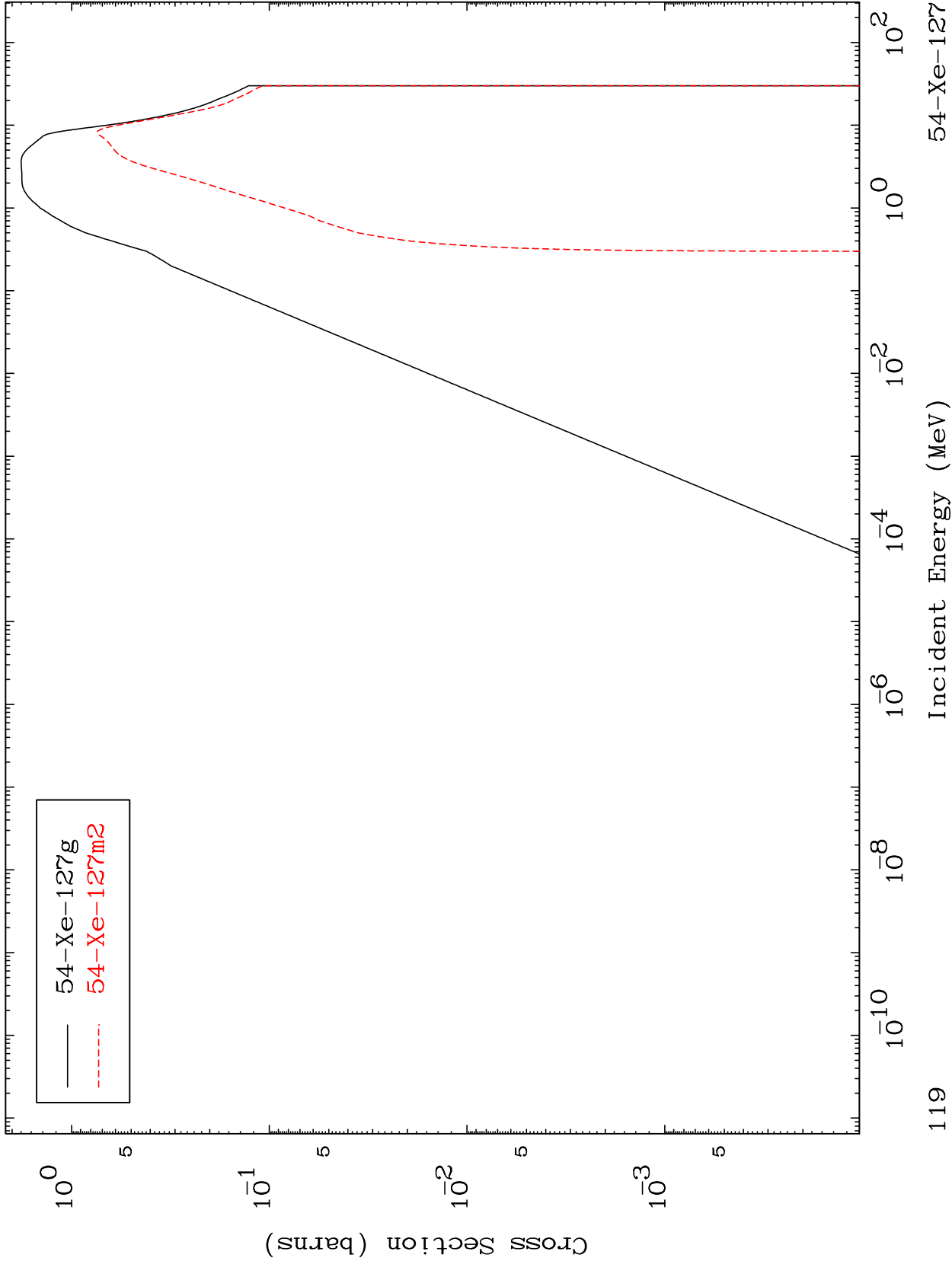


118

MAT 5434

Inelastic  
Radionuclide Production Cross Section

54-Xe-127

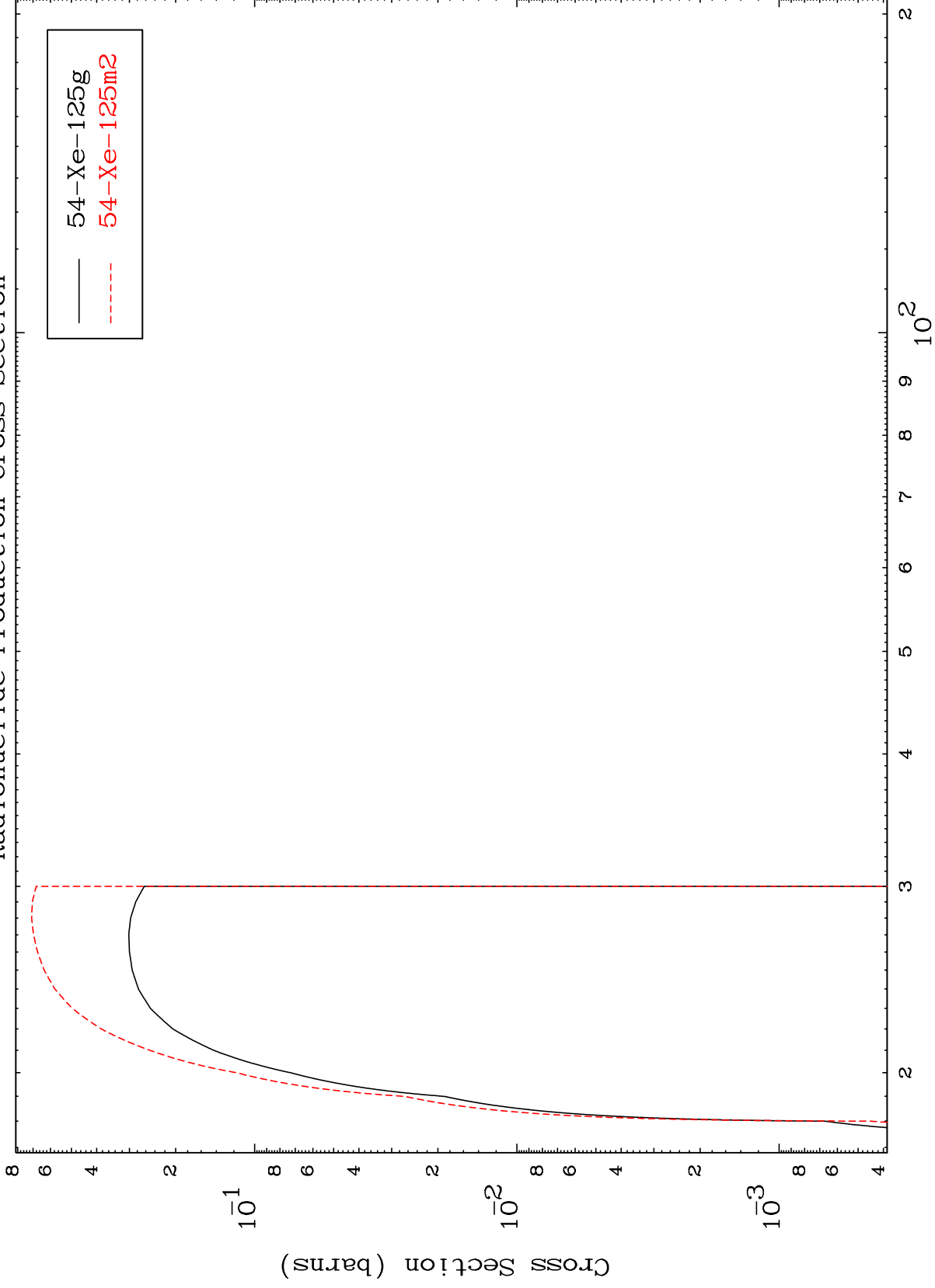


MAT 5434

(n,3n)

54-Xe-127

Radionuclide Production Cross Section



120

Incident Energy (MeV)

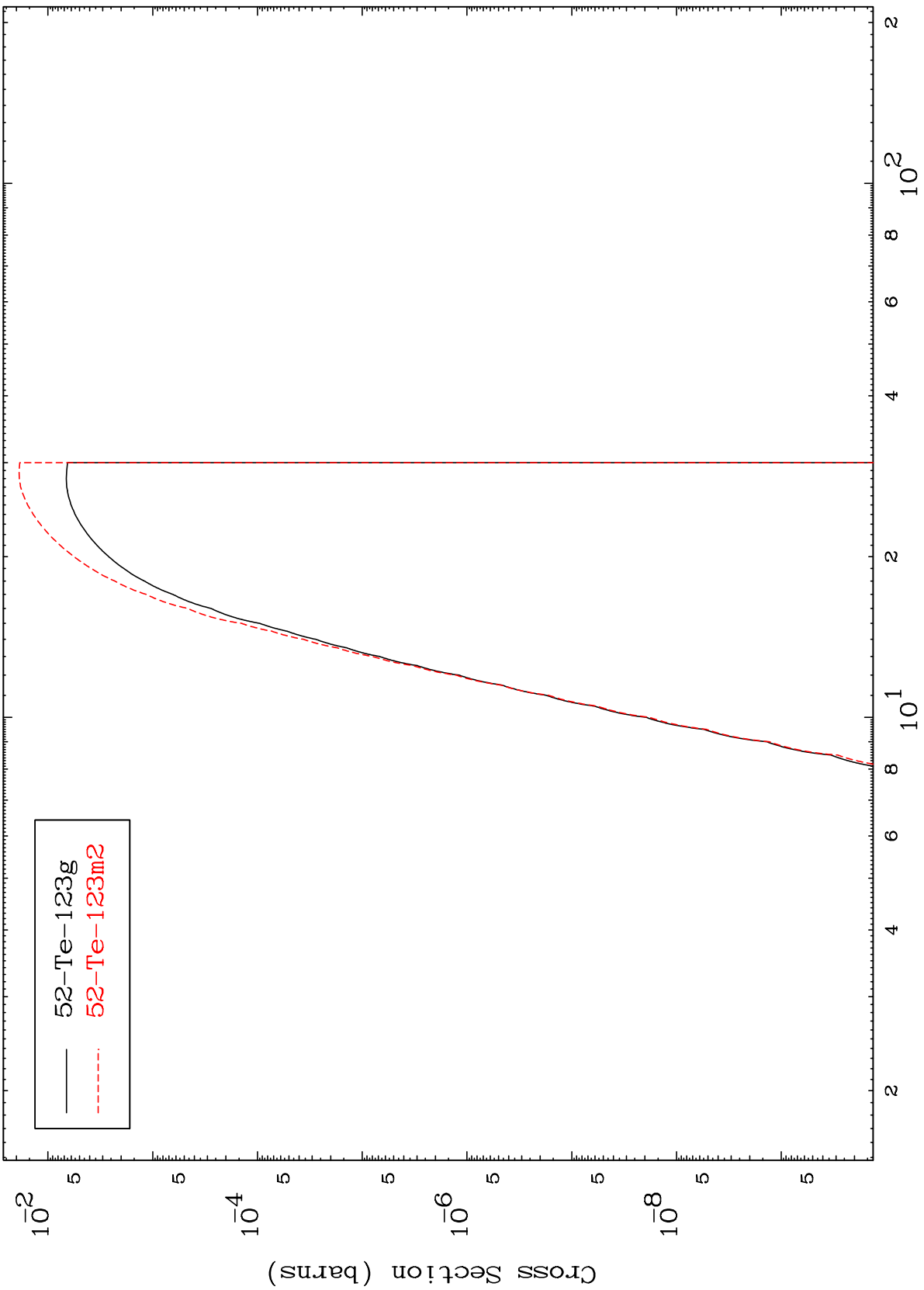
54-Xe-127

MAT 5434

(n,n')  $\alpha$

54-Xe-127

Radionuclide Production Cross Section



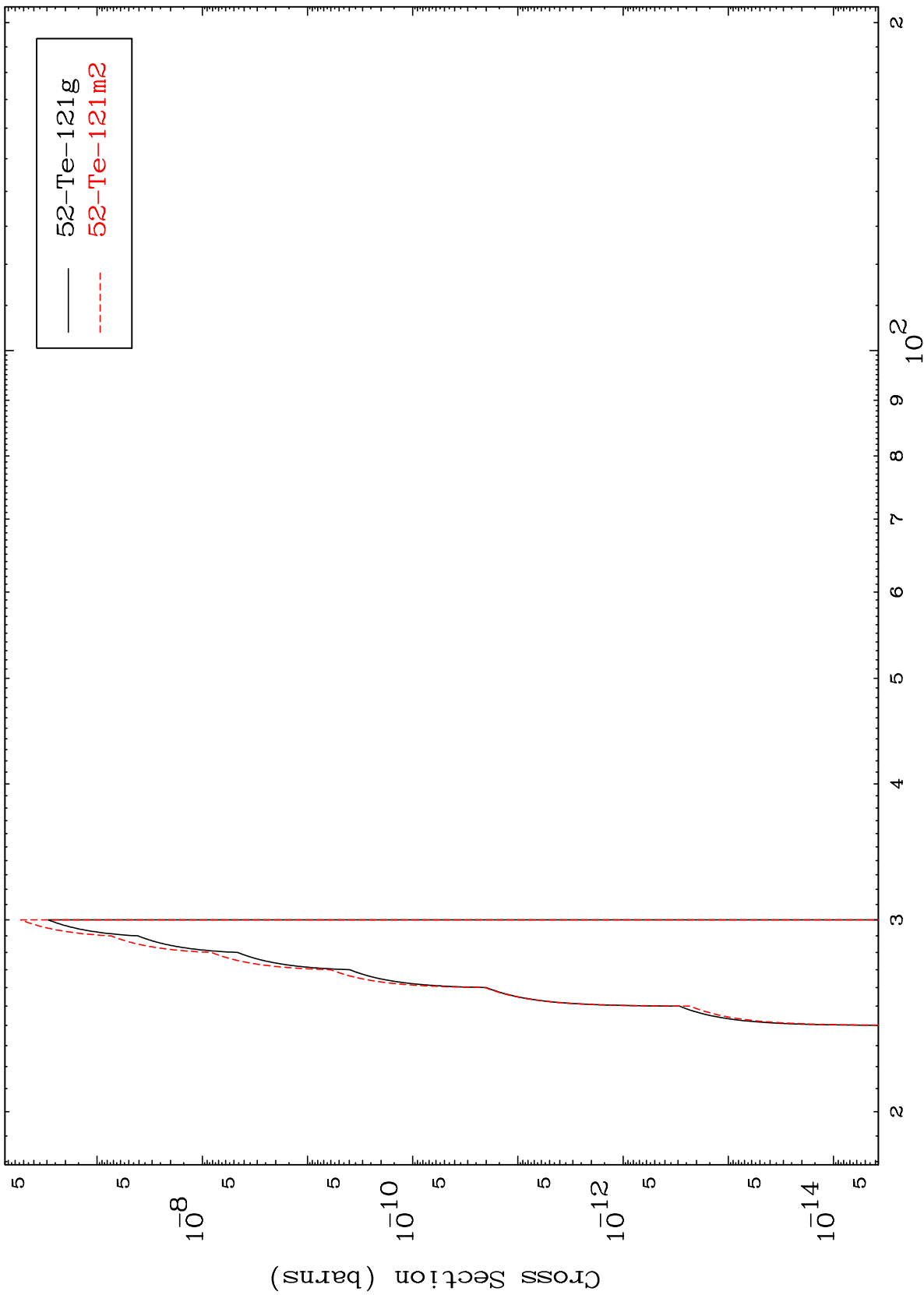
— 52-Te-123g  
- - - 52-Te-123m2

121

Incident Energy (MeV)

54-Xe-127

Radionuclide Production Cross Section

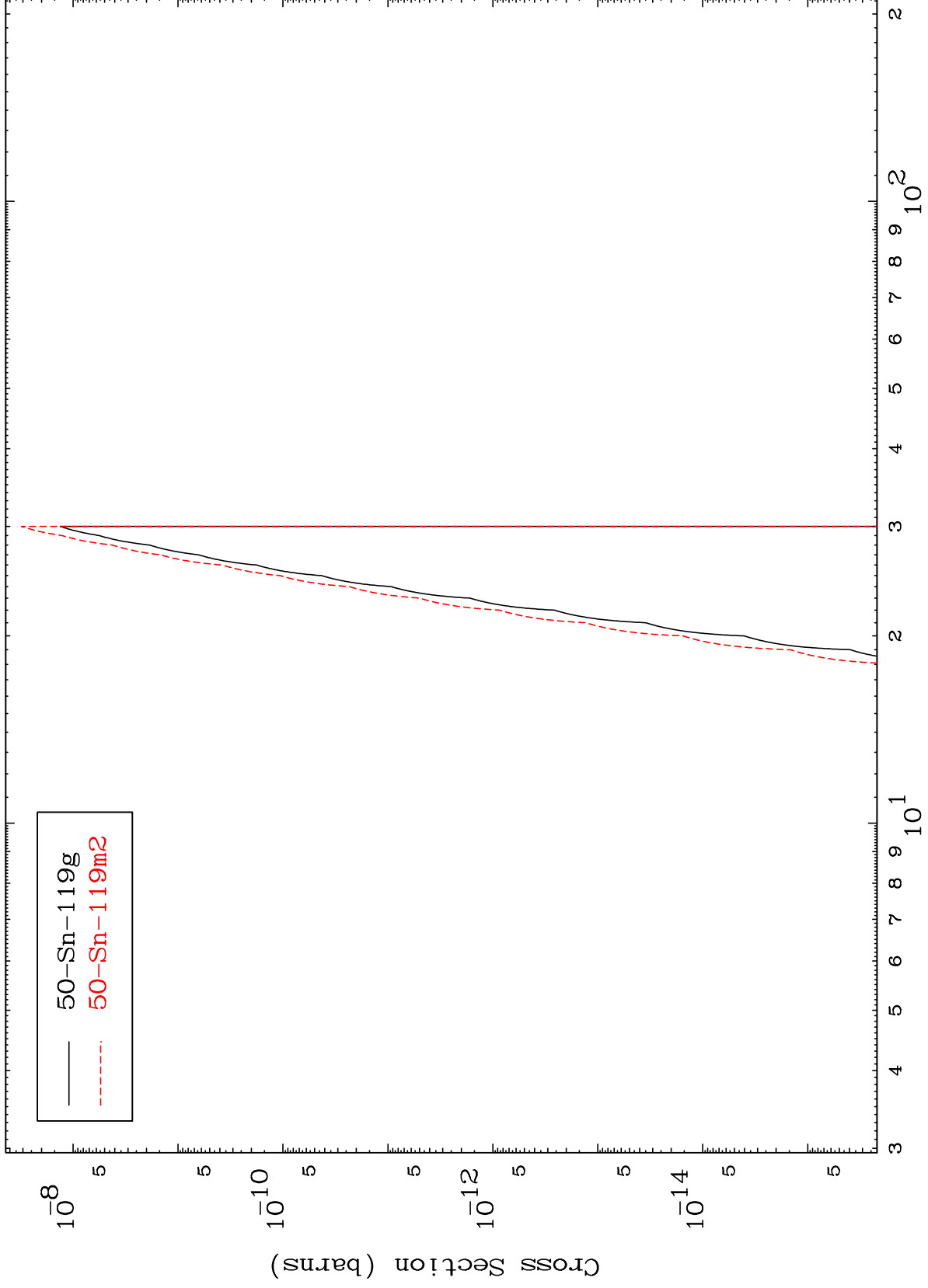


MAT 5434

(n,n') 2α

54-Xe-127

Radionuclide Production Cross Section



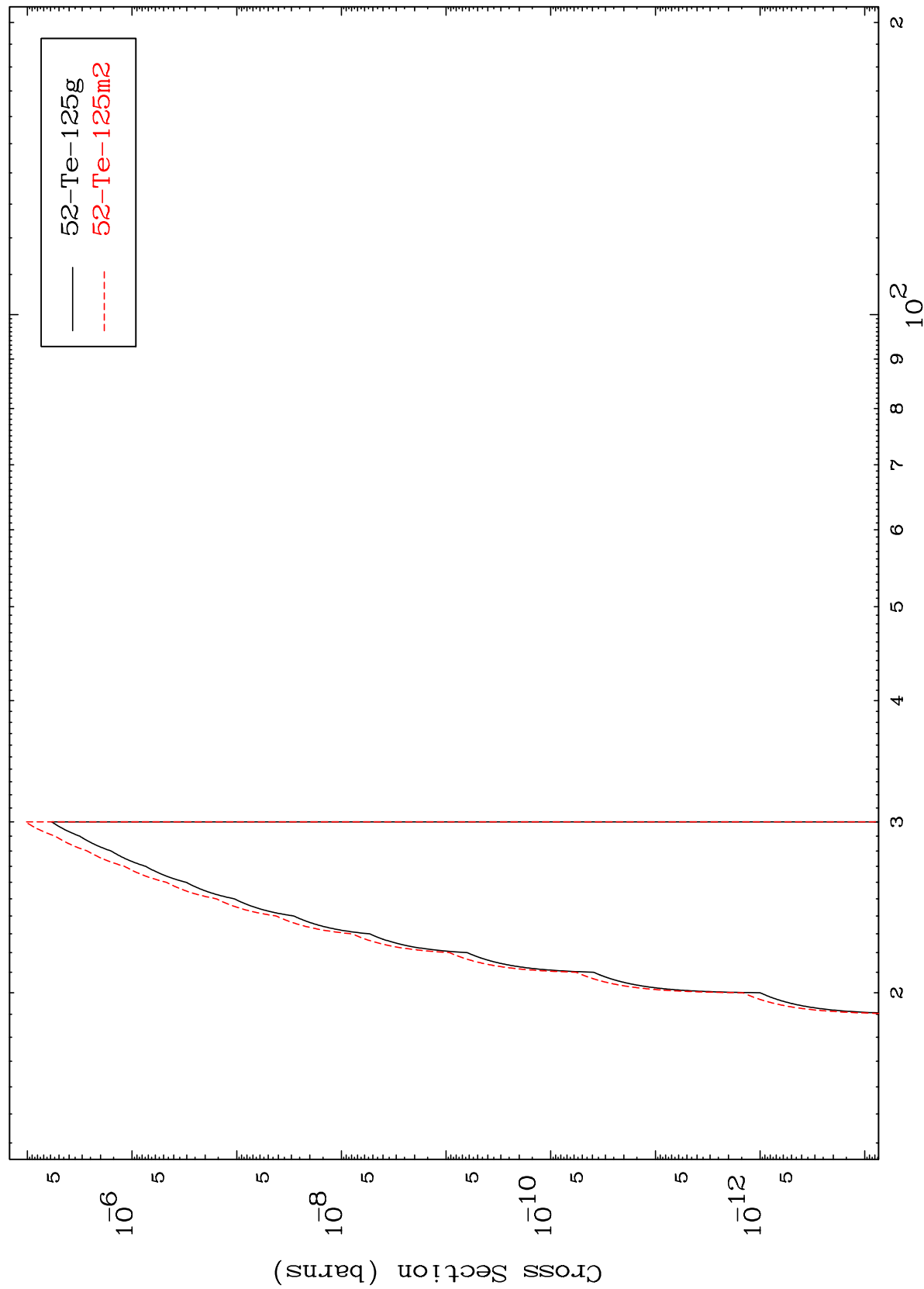
— 50-Sn-119g  
- - - 50-Sn-119m2

MAT 5434

(n,2n) p

54-Xe-127

Radionuclide Production Cross Section



124

Incident Energy (MeV)

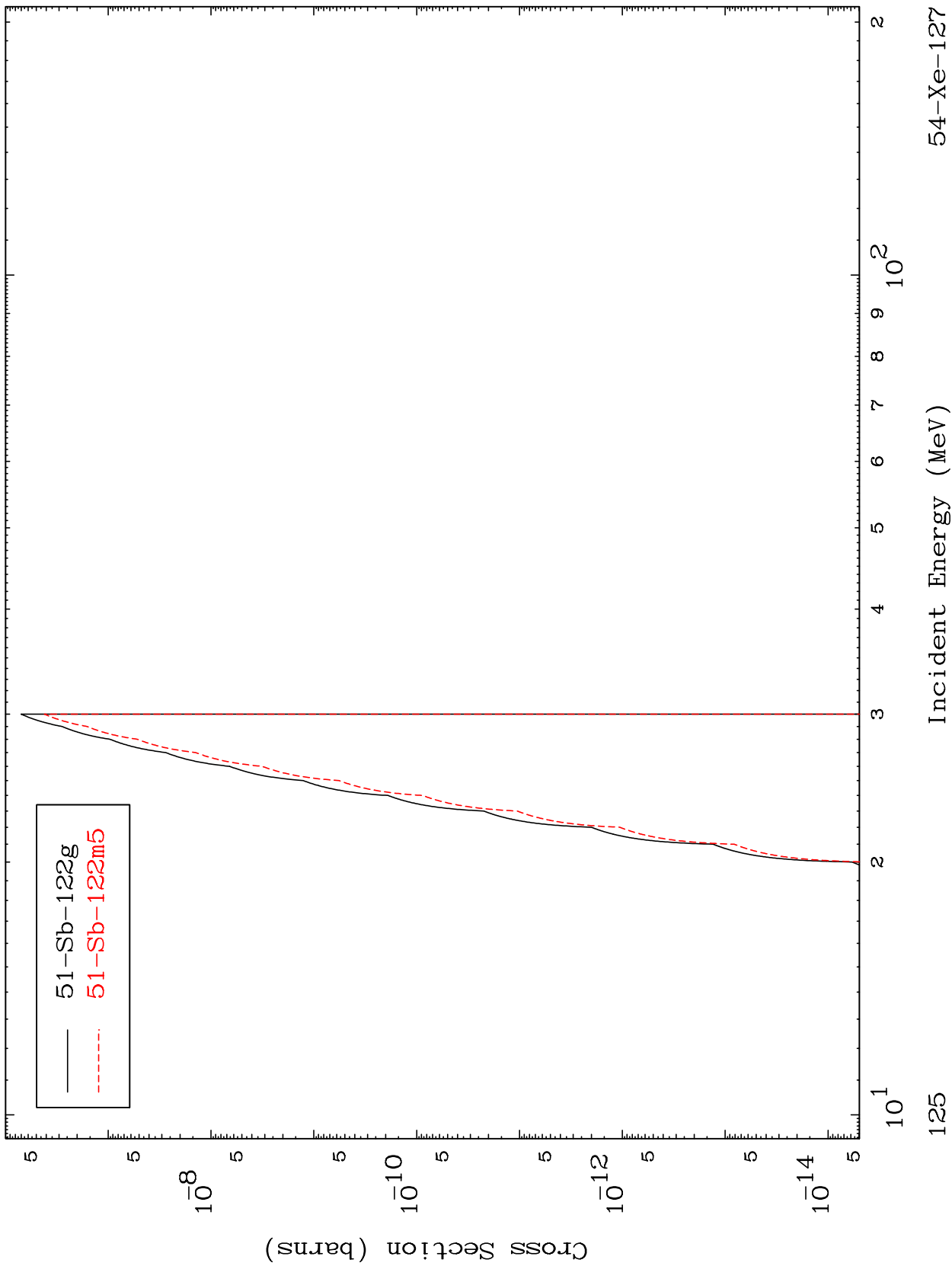
54-Xe-127

MAT 5434

(n,n') p  $\alpha$

54-Xe-127

Radionuclide Production Cross Section

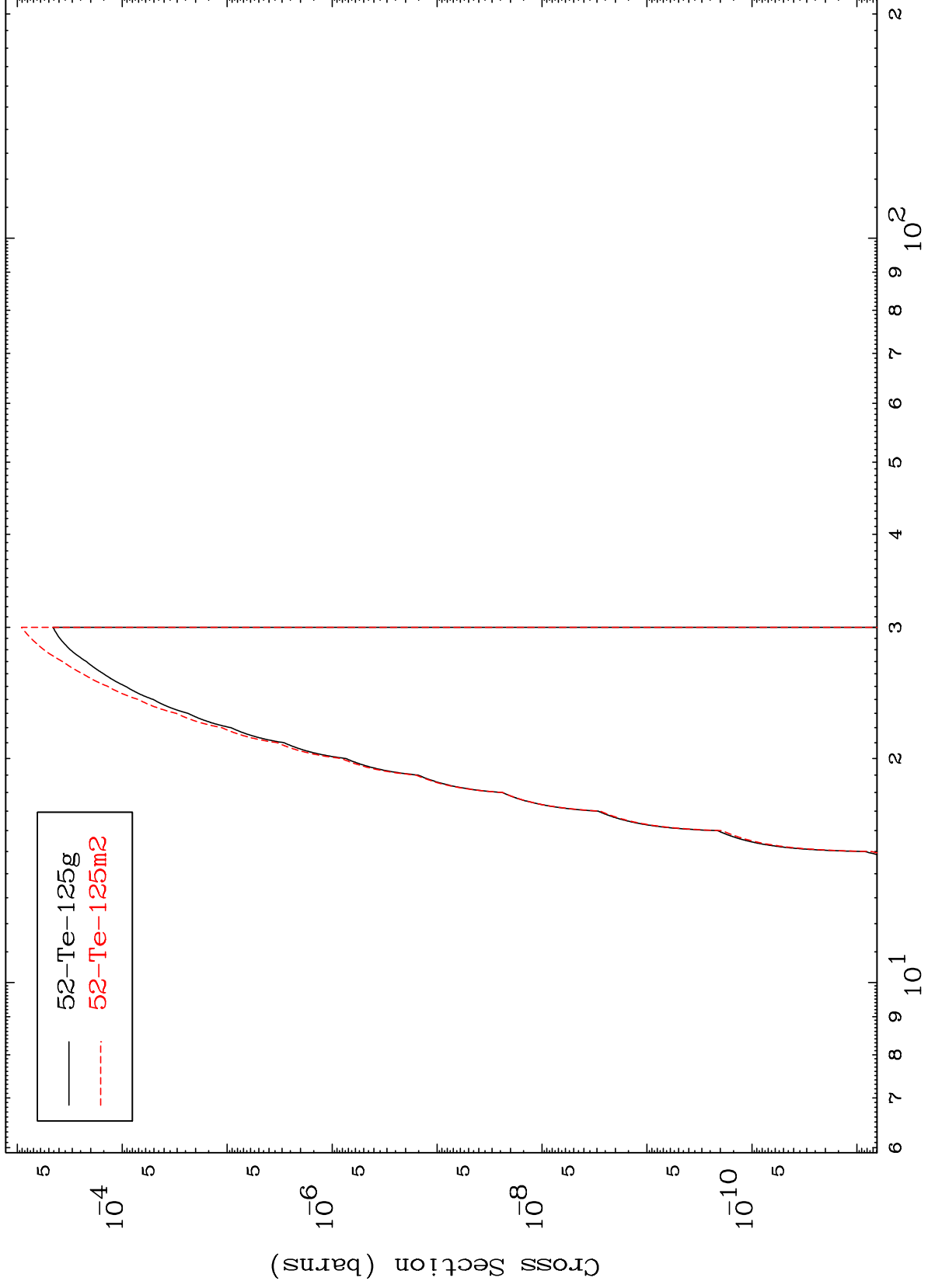


MAT 5434

(n,He-3)

54-Xe-127

Radionuclide Production Cross Section



126

Incident Energy (MeV)

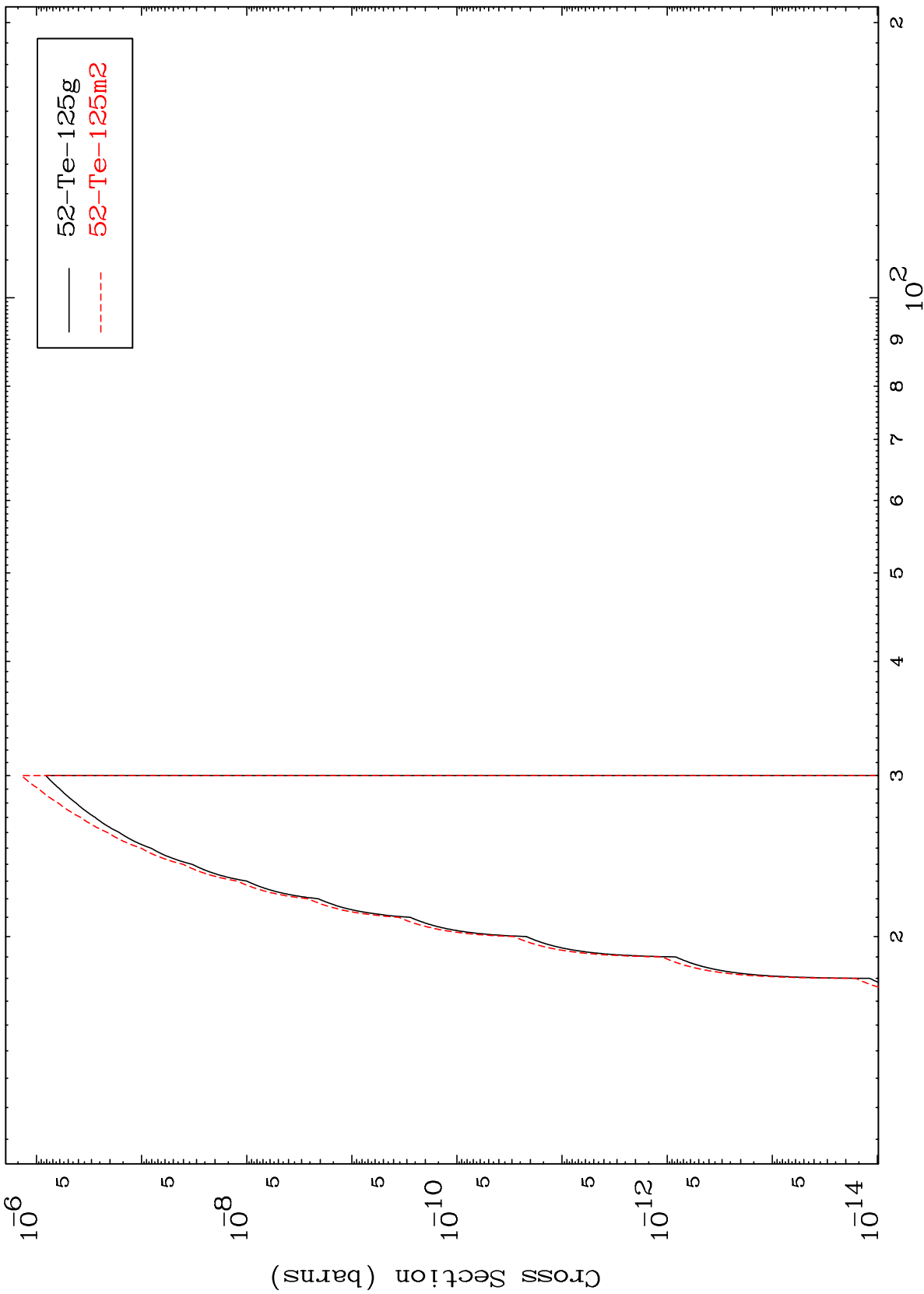
54-Xe-127

MAT 5434

(n,p) d

54-Xe-127

Radionuclide Production Cross Section



127

Incident Energy (MeV)

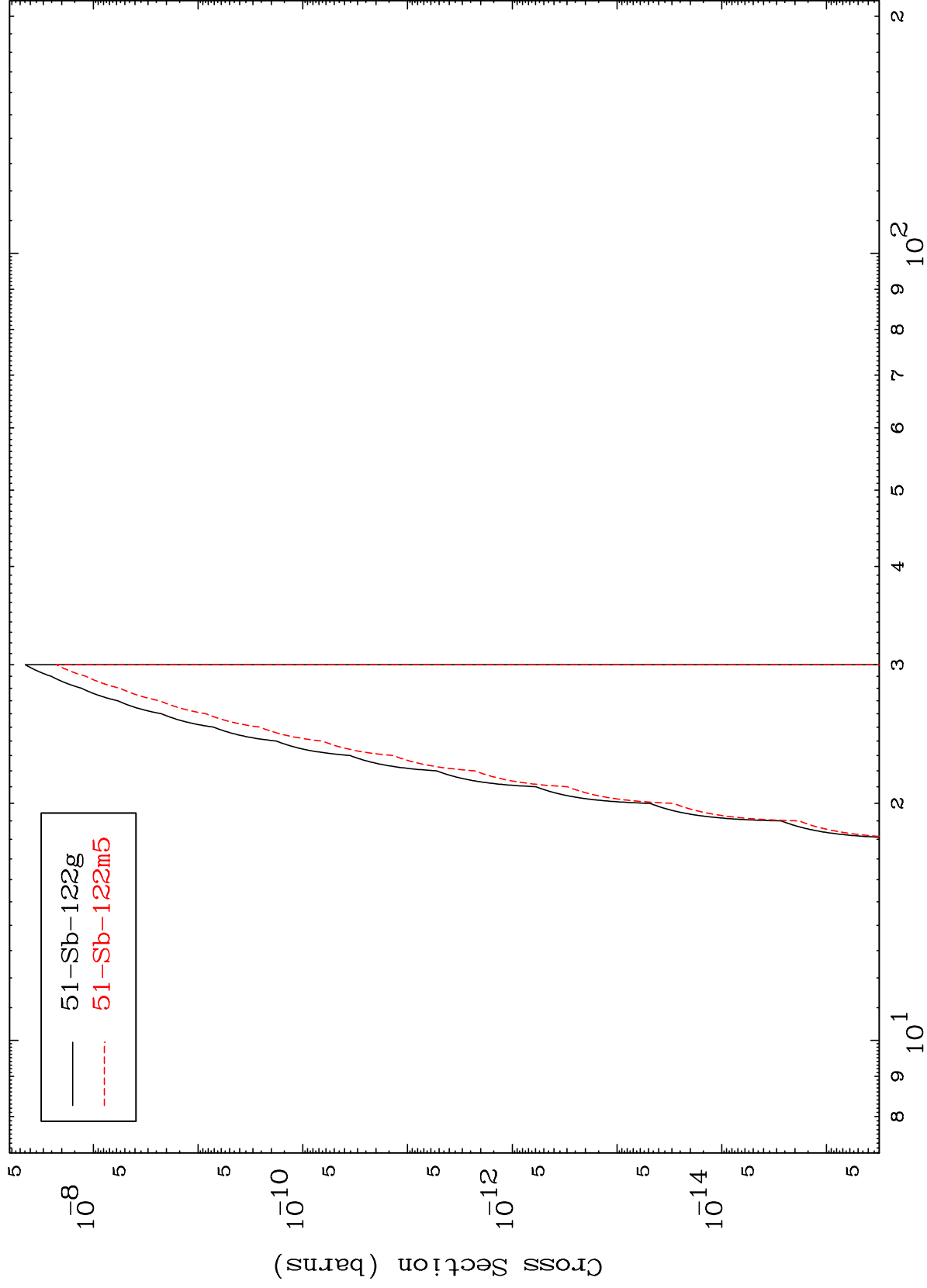
54-Xe-127

MAT 5434

(n,d)  $\alpha$

54-Xe-127

Radionuclide Production Cross Section



128

Incident Energy (MeV)

54-Xe-127