

Program EVALPLOT  
(Version 2021-1)

by

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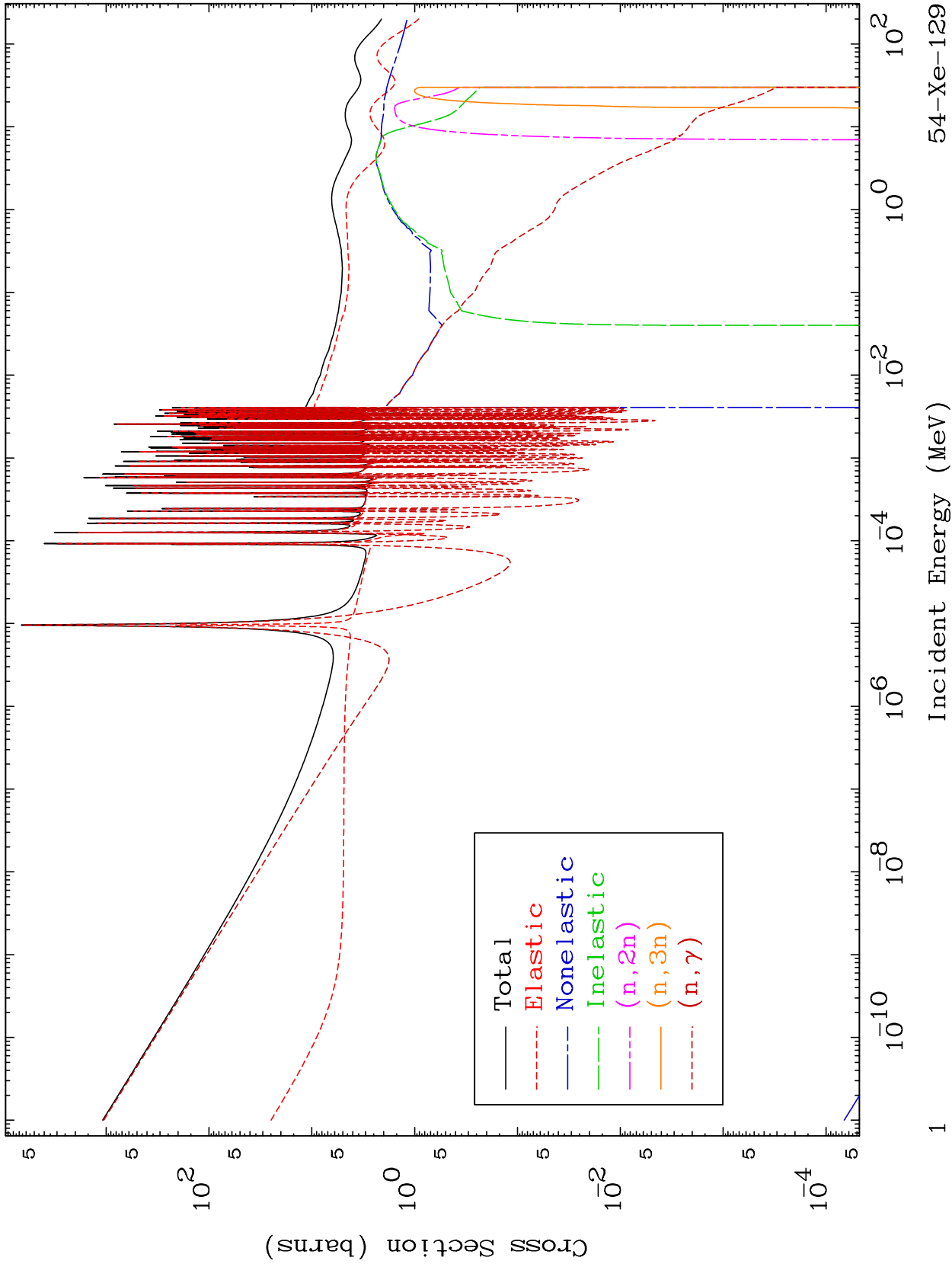
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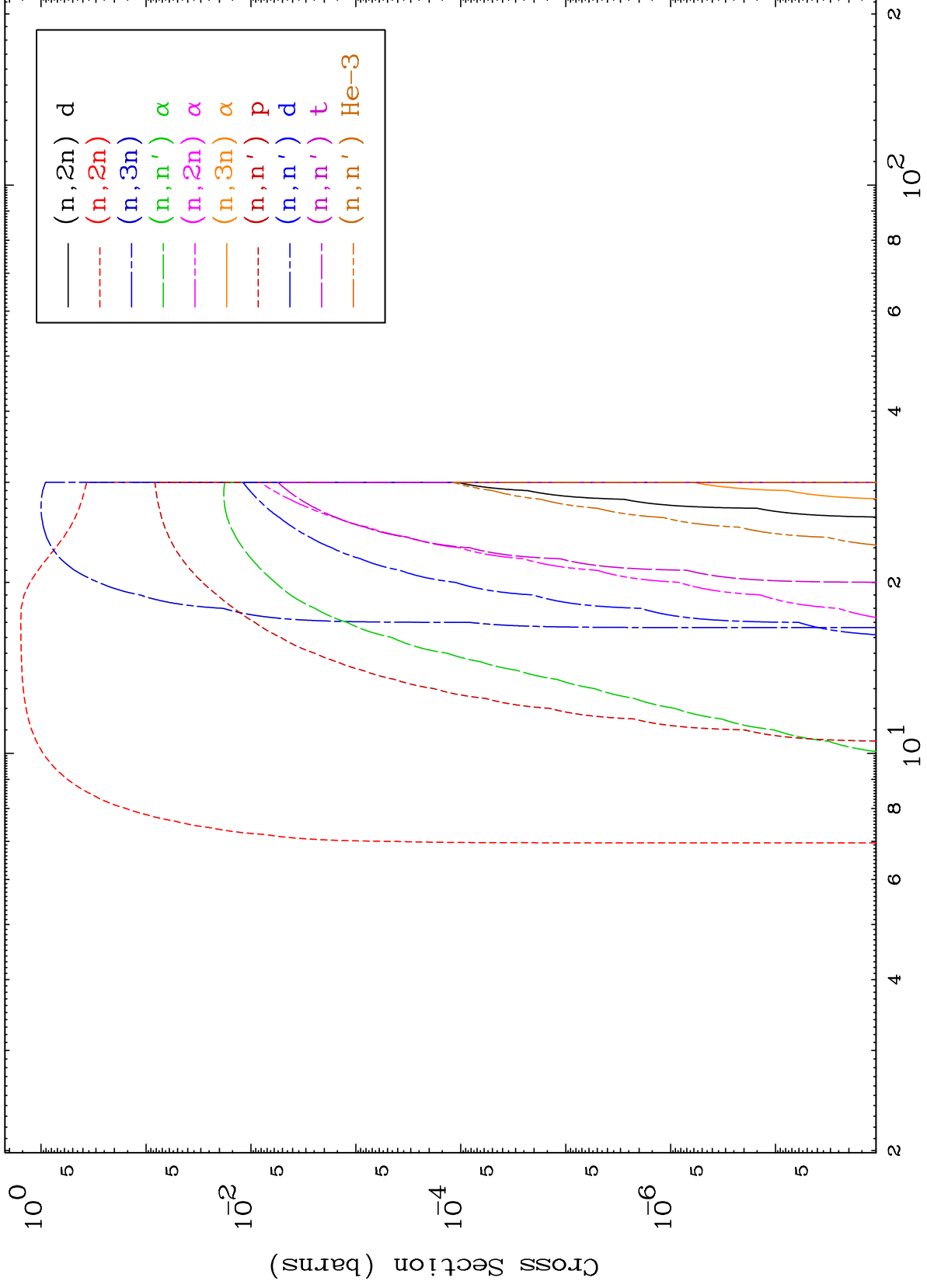
Press Mouse Button to Start

MAT 5440

Neutron Major  
293 Kelvin Cross Sections

54-Xe-129

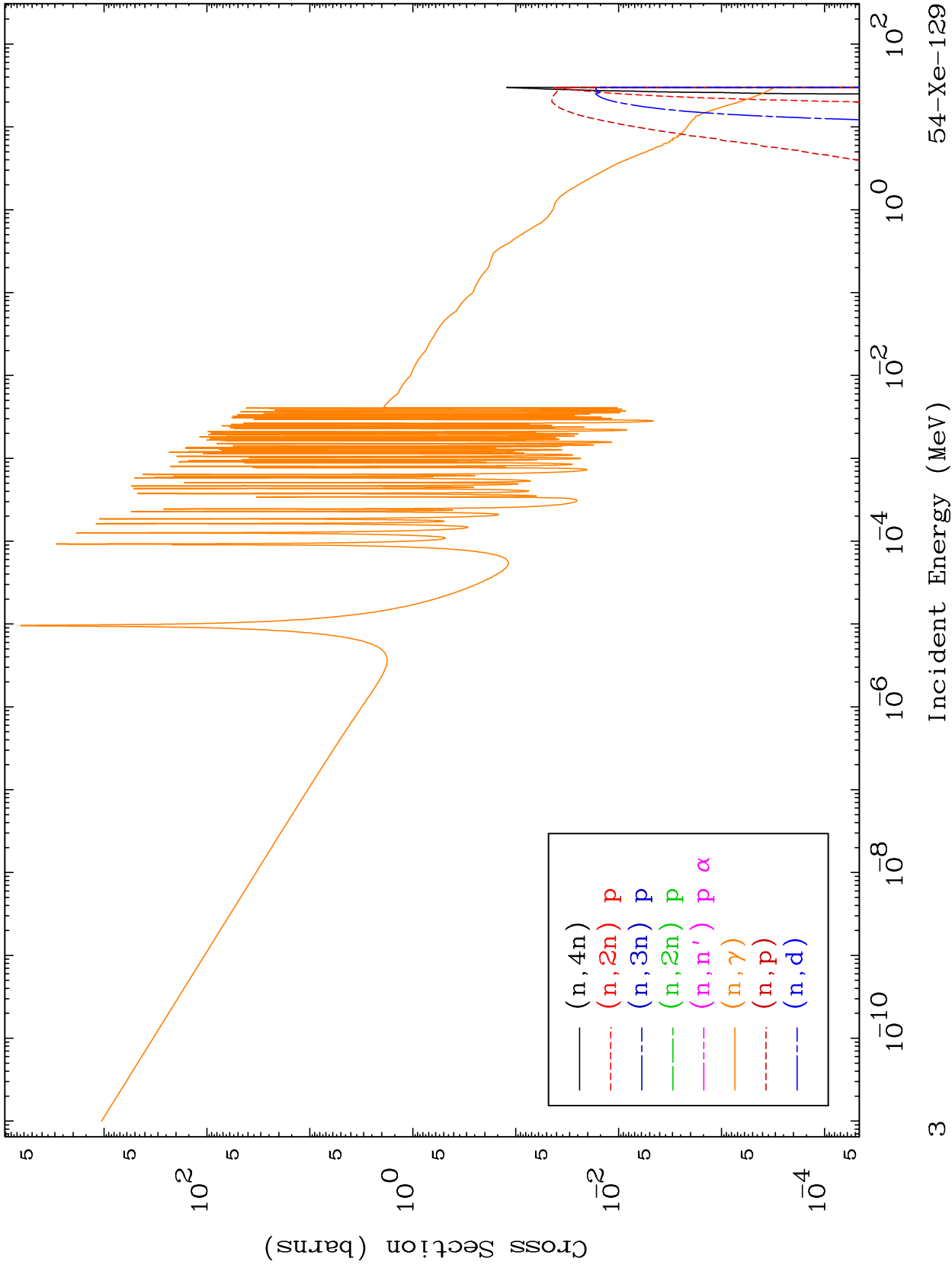




MAT 5440

Neutron Absorption  
293 Kelvin Cross Sections

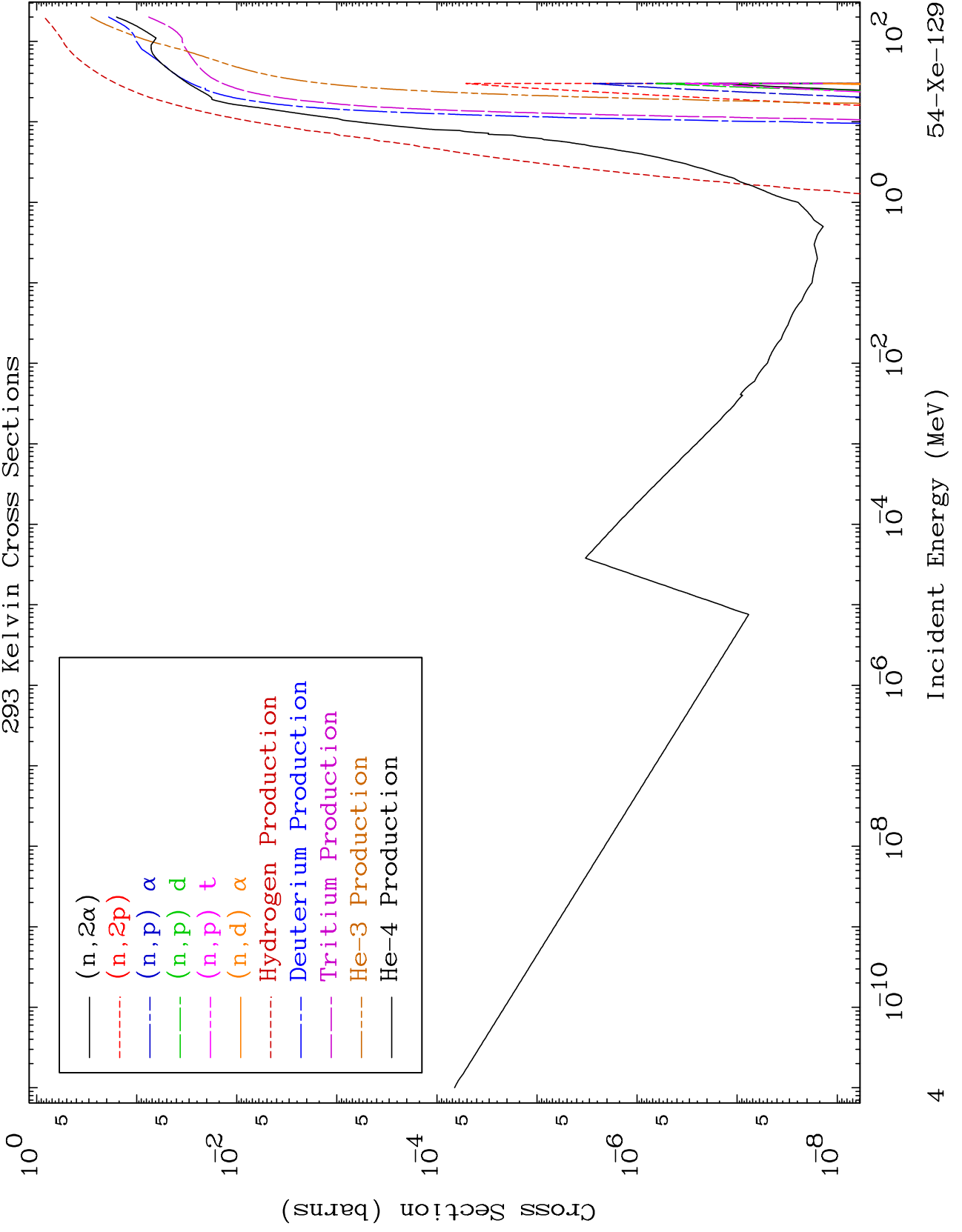
54-Xe-129

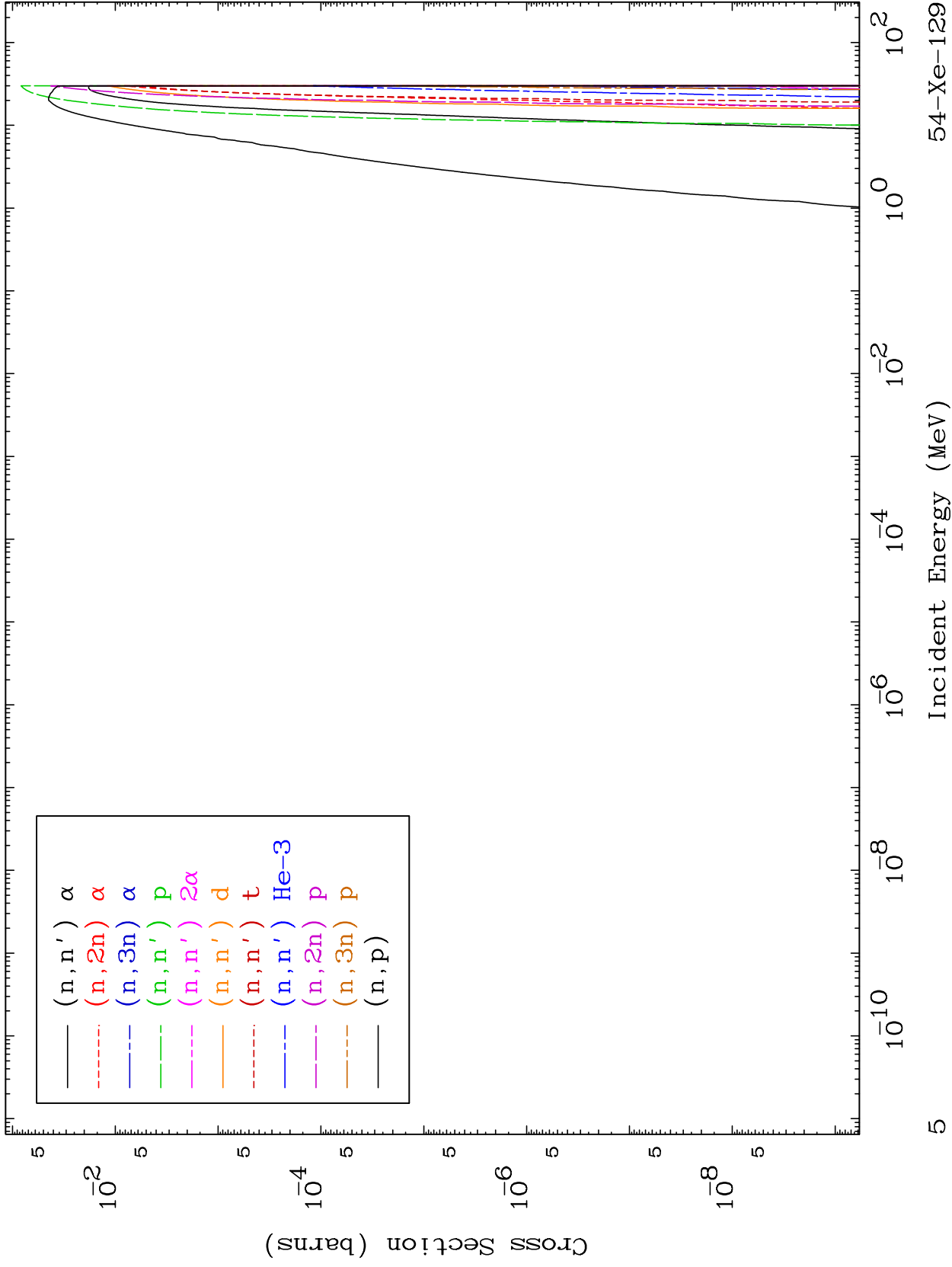


MAT 5440

Neutron Absorption  
293 Kelvin Cross Sections

54-Xe-129

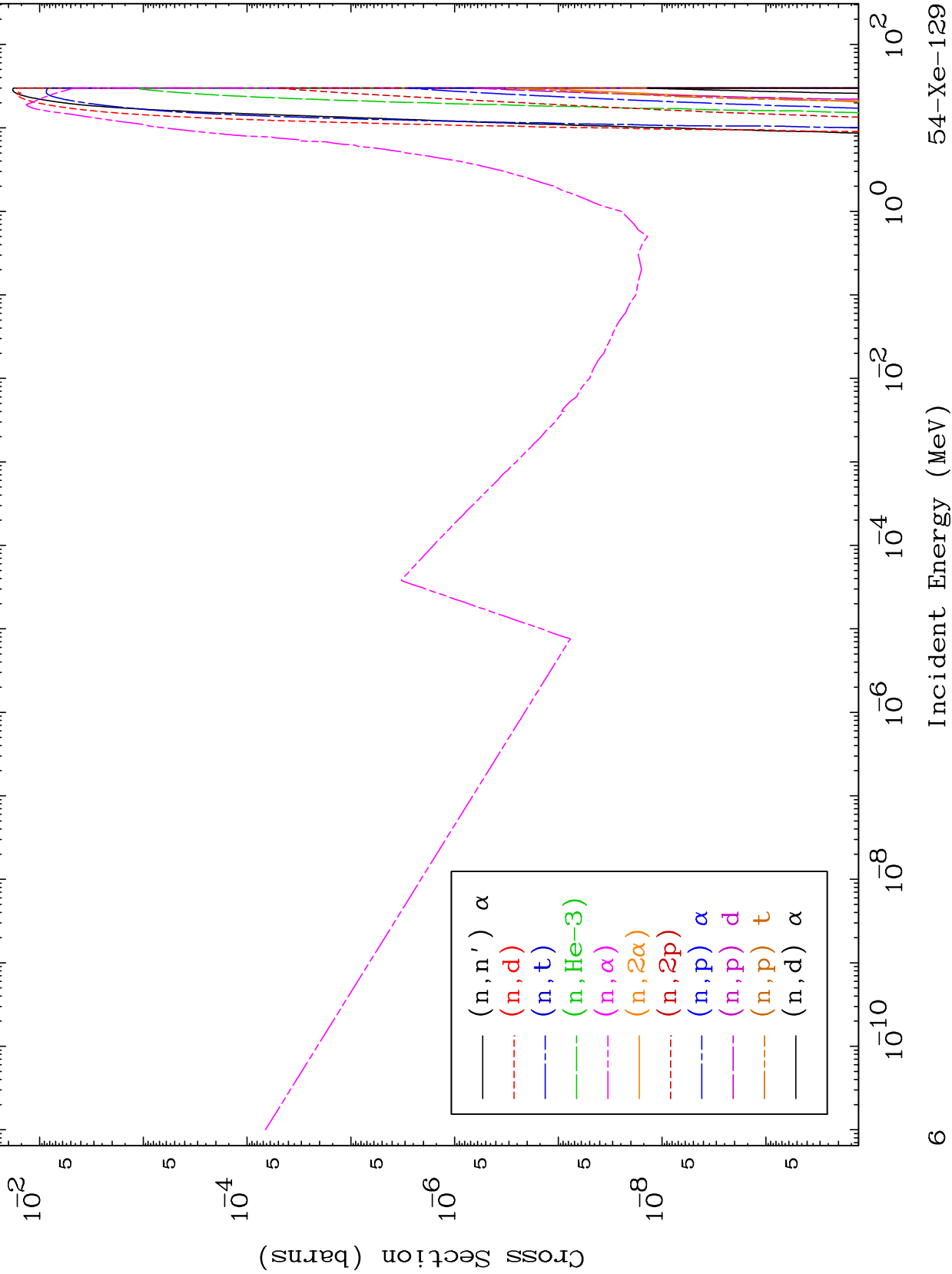




MAT 5440

Charged Particle  
293 Kelvin Cross Sections

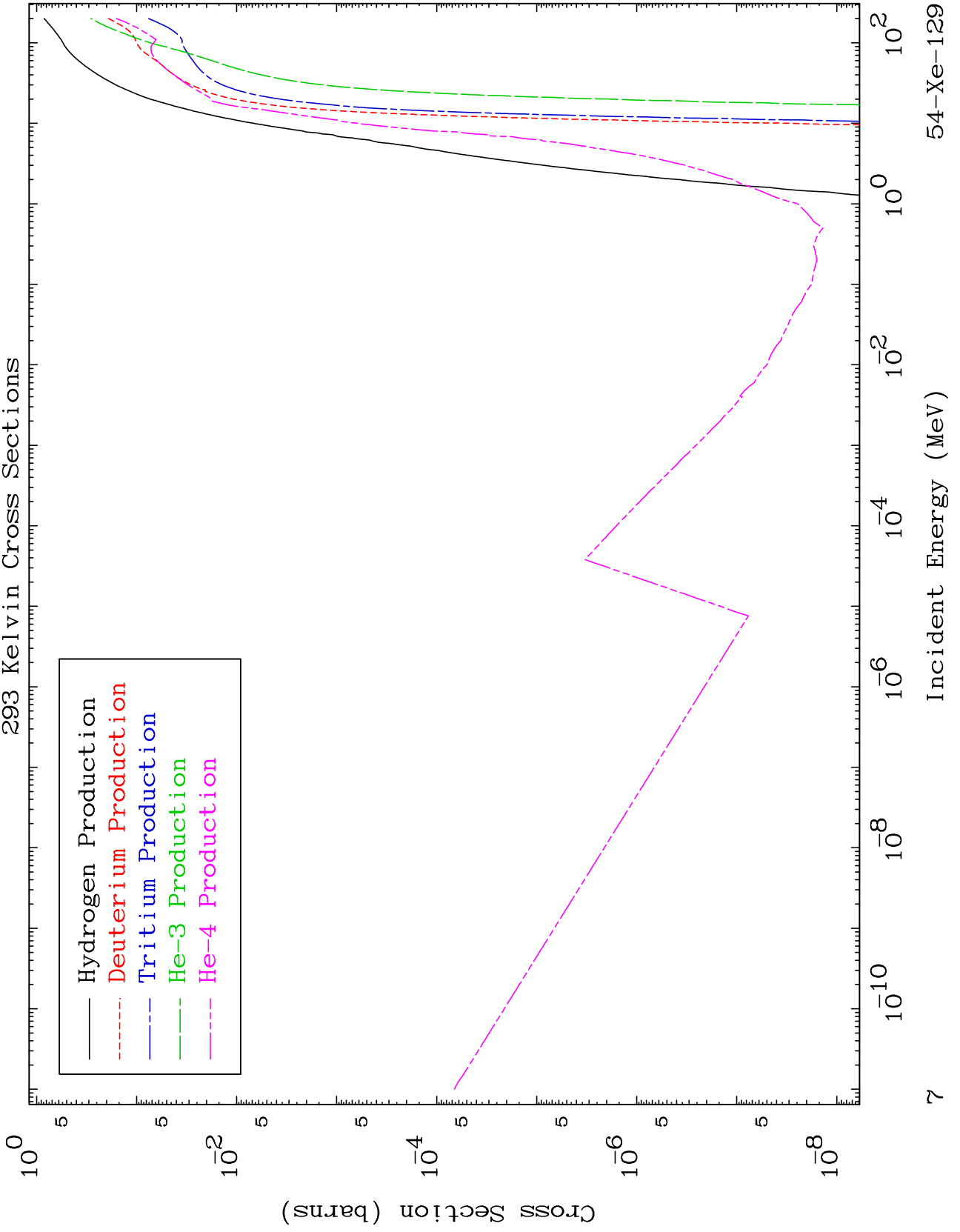
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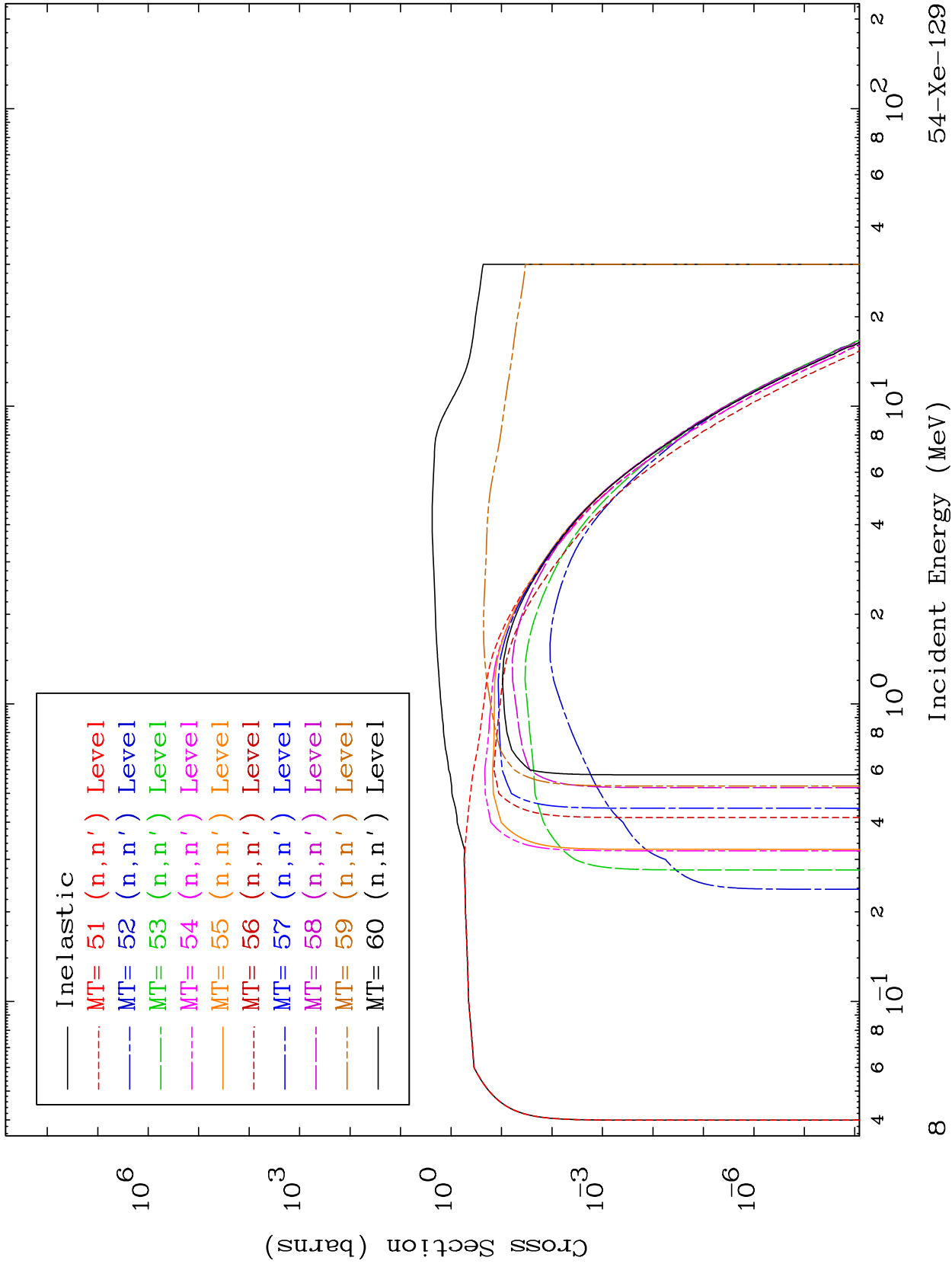


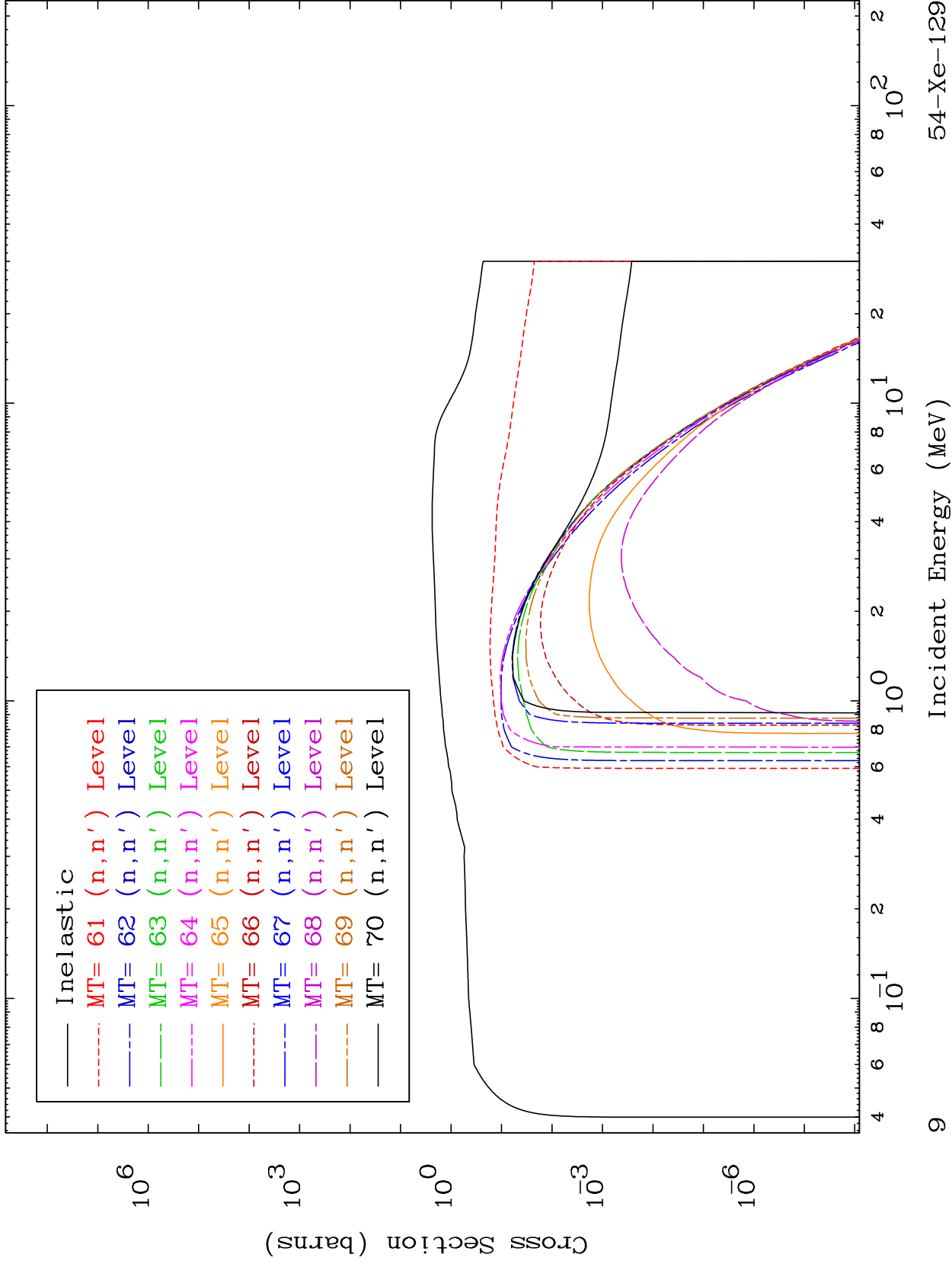
MAT 5440

Particle Production  
293 Kelvin Cross Sections

54-Xe-129



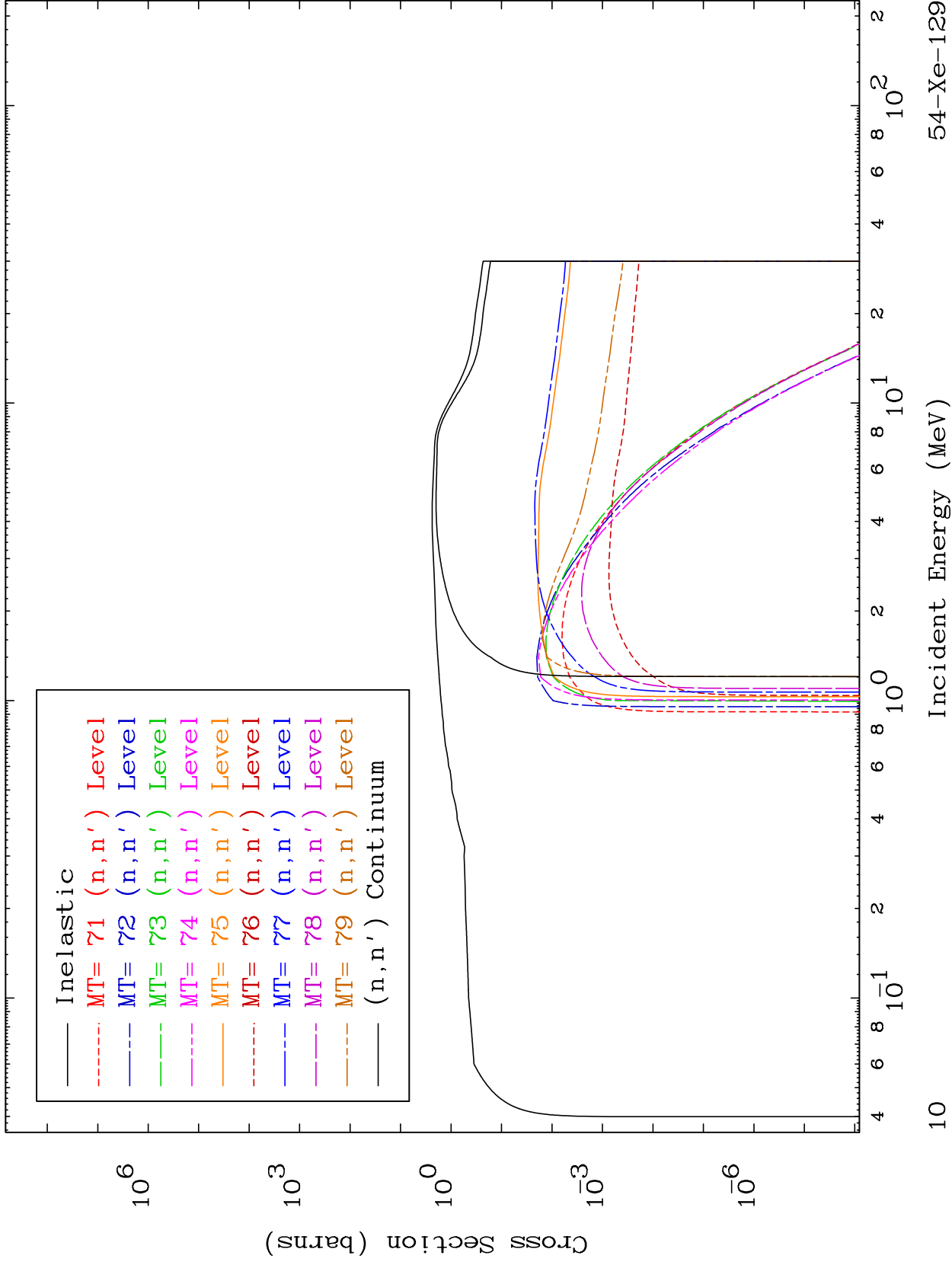




MAT 5440

(n,n') Levels  
293 Kelvin Cross Sections

54-Xe-129



10

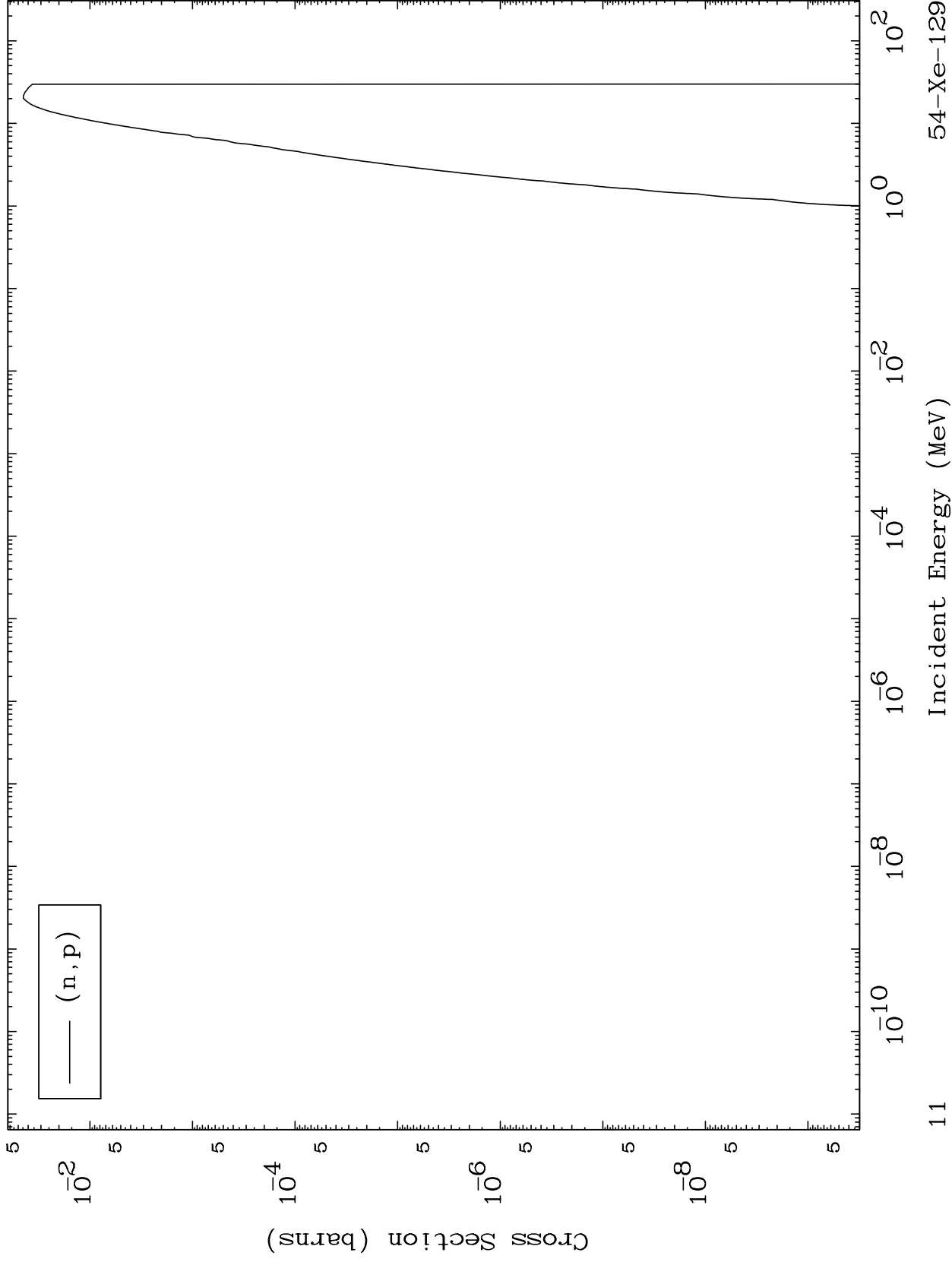
Incident Energy (MeV)

54-Xe-129

MAT 5440

(n,p) Levels  
293 Kelvin Cross Sections

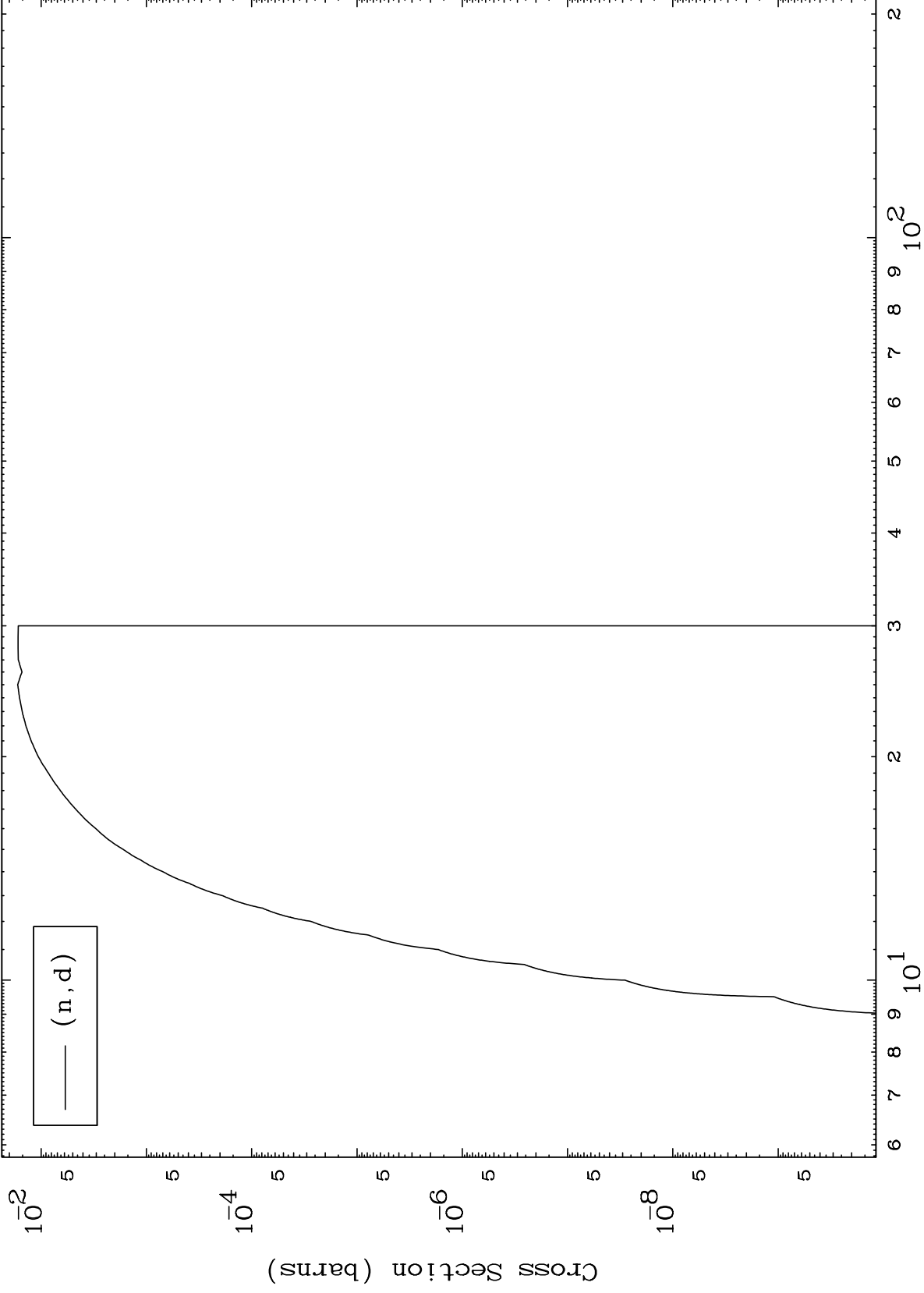
54-Xe-129



MAT 5440

(n,d) Levels  
293 Kelvin Cross Sections

54-Xe-129



12

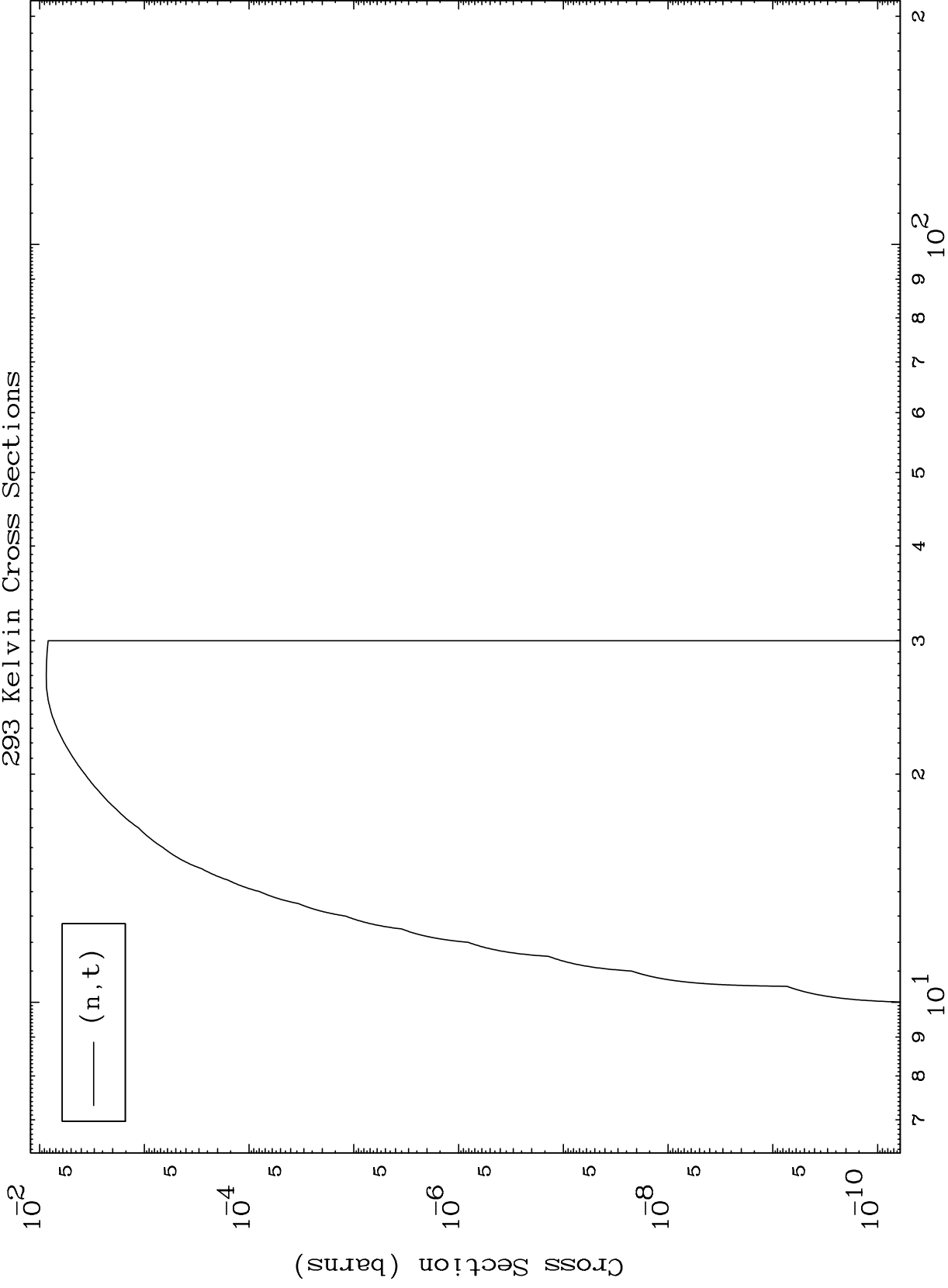
Incident Energy (MeV)

54-Xe-129

MAT 5440

(n,t) Levels  
293 Kelvin Cross Sections

54-Xe-129



(n,t)

Incident Energy (MeV)

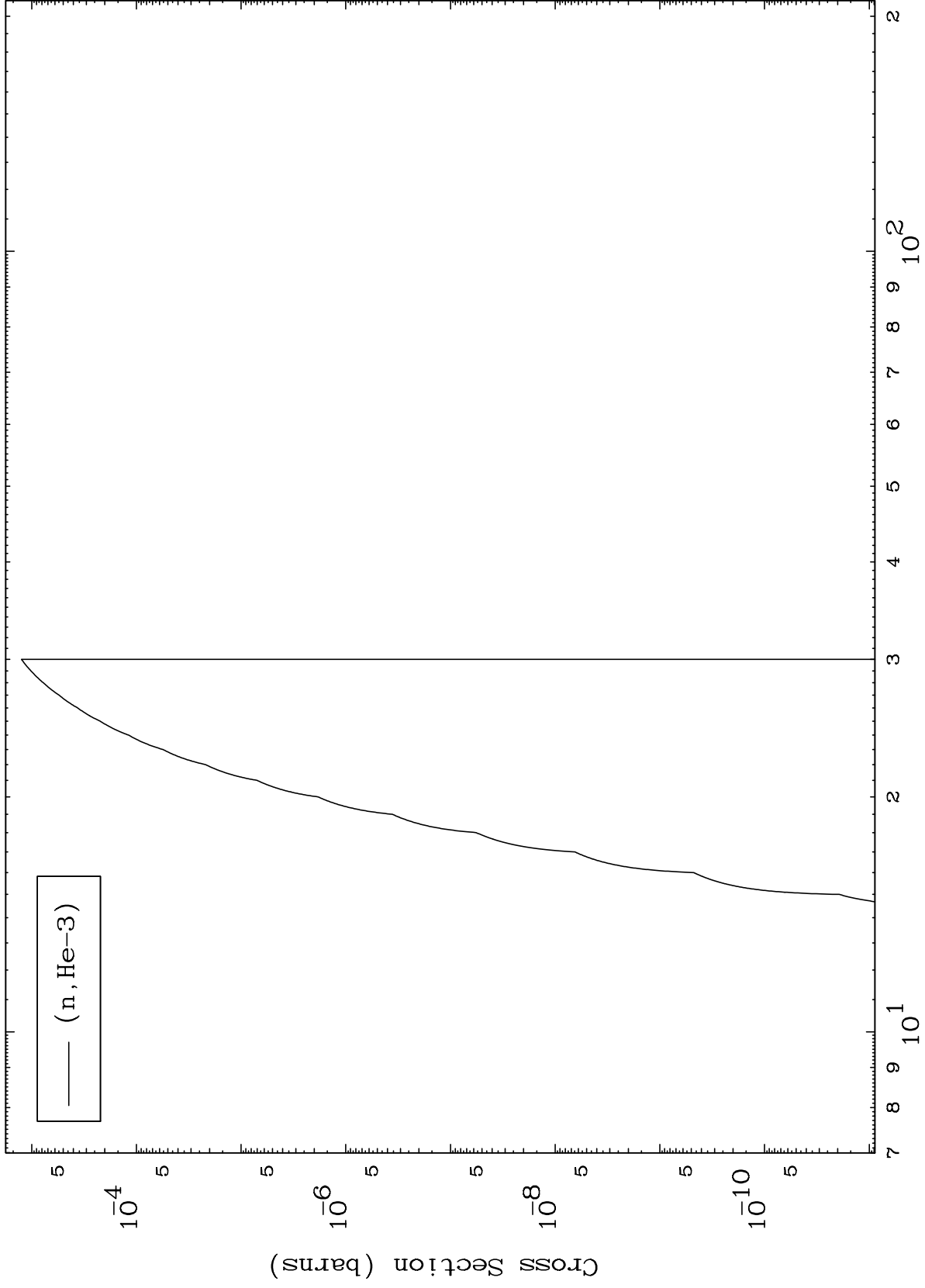
54-Xe-129

13

MAT 5440

(n,He3) Levels  
293 Kelvin Cross Sections

54-Xe-129



14

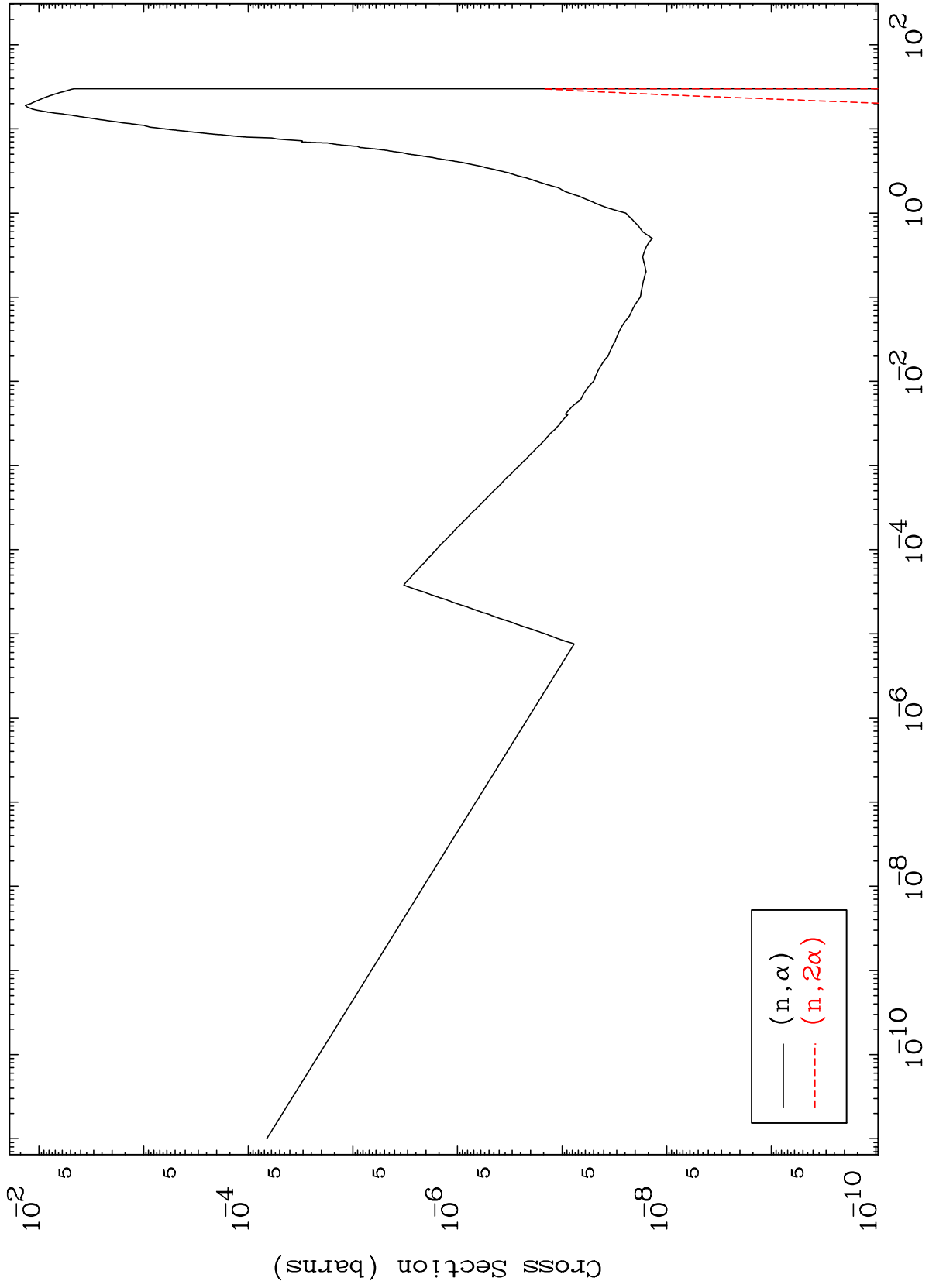
Incident Energy (MeV)

54-Xe-129

MAT 5440

(n,α) Levels  
293 Kelvin Cross Sections

54-Xe-129



15

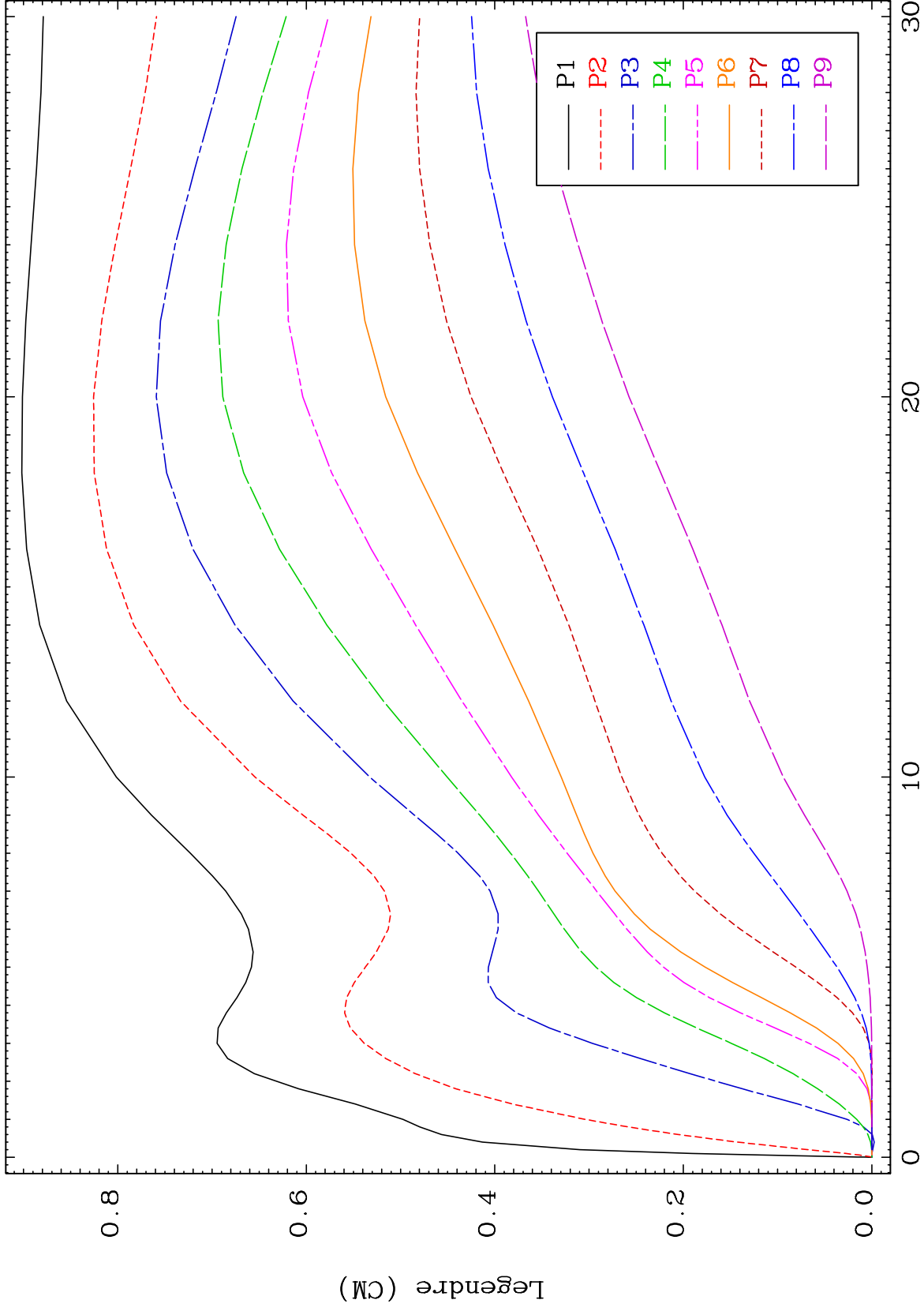
Incident Energy (MeV)

54-Xe-129

MAT 5440

Elastic Legendre Coefficients

54-Xe-129



16

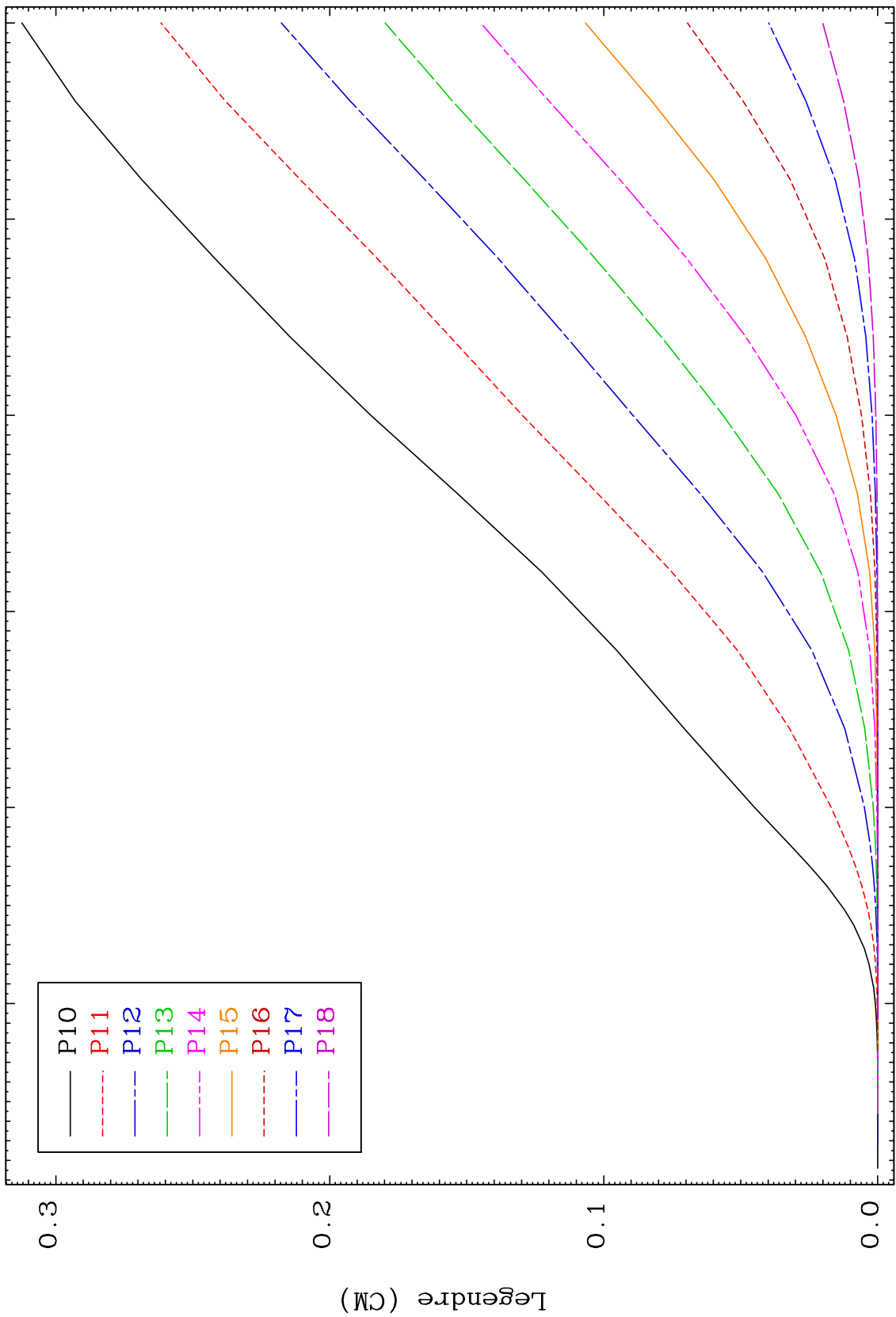
Incident Energy (MeV)

54-Xe-129

MAT 5440

Elastic Legendre Coefficients

54-Xe-129



17

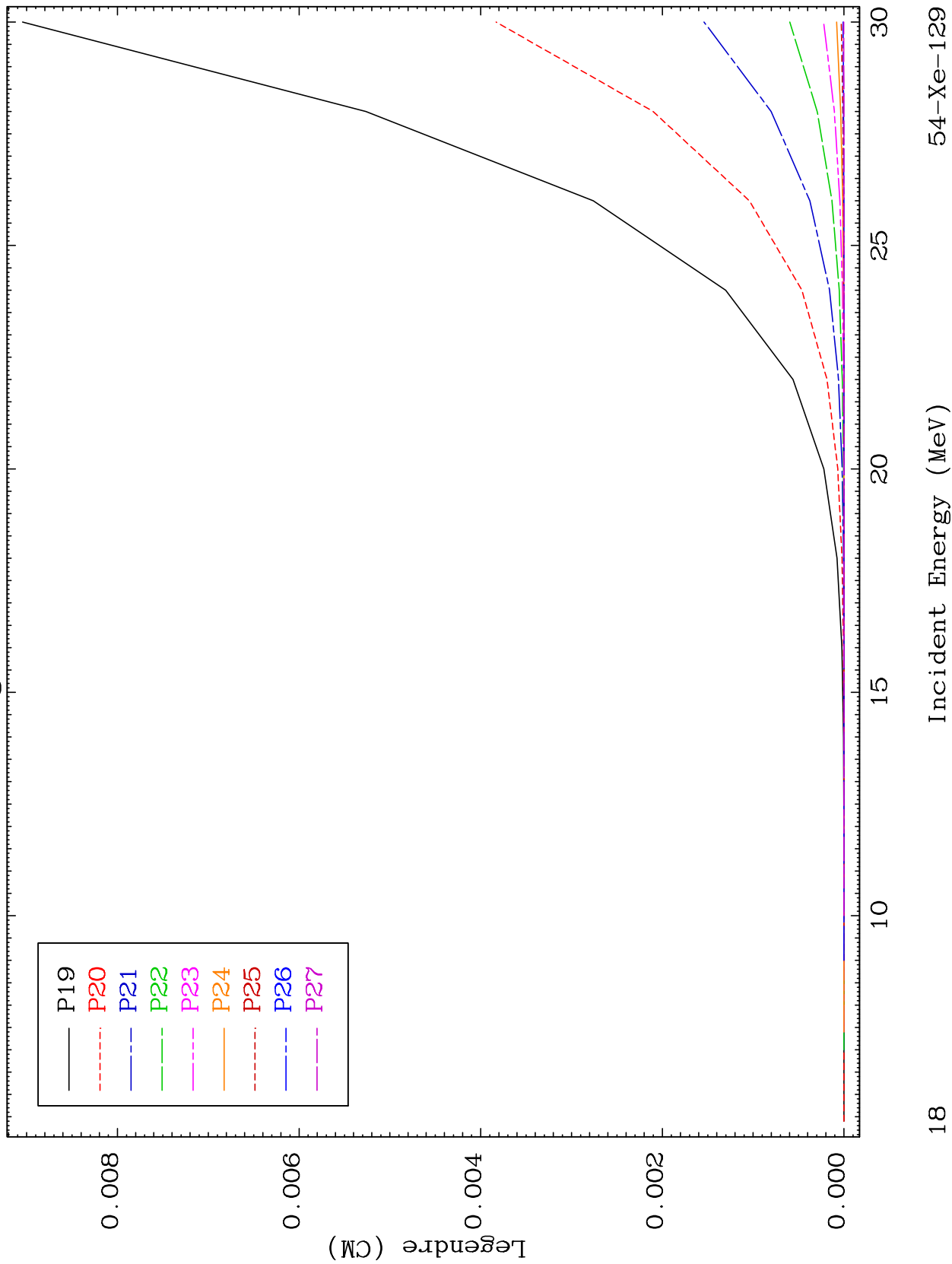
Incident Energy (MeV)

54-Xe-129

MAT 5440

### Elastic Legendre Coefficients

54-Xe-129



18

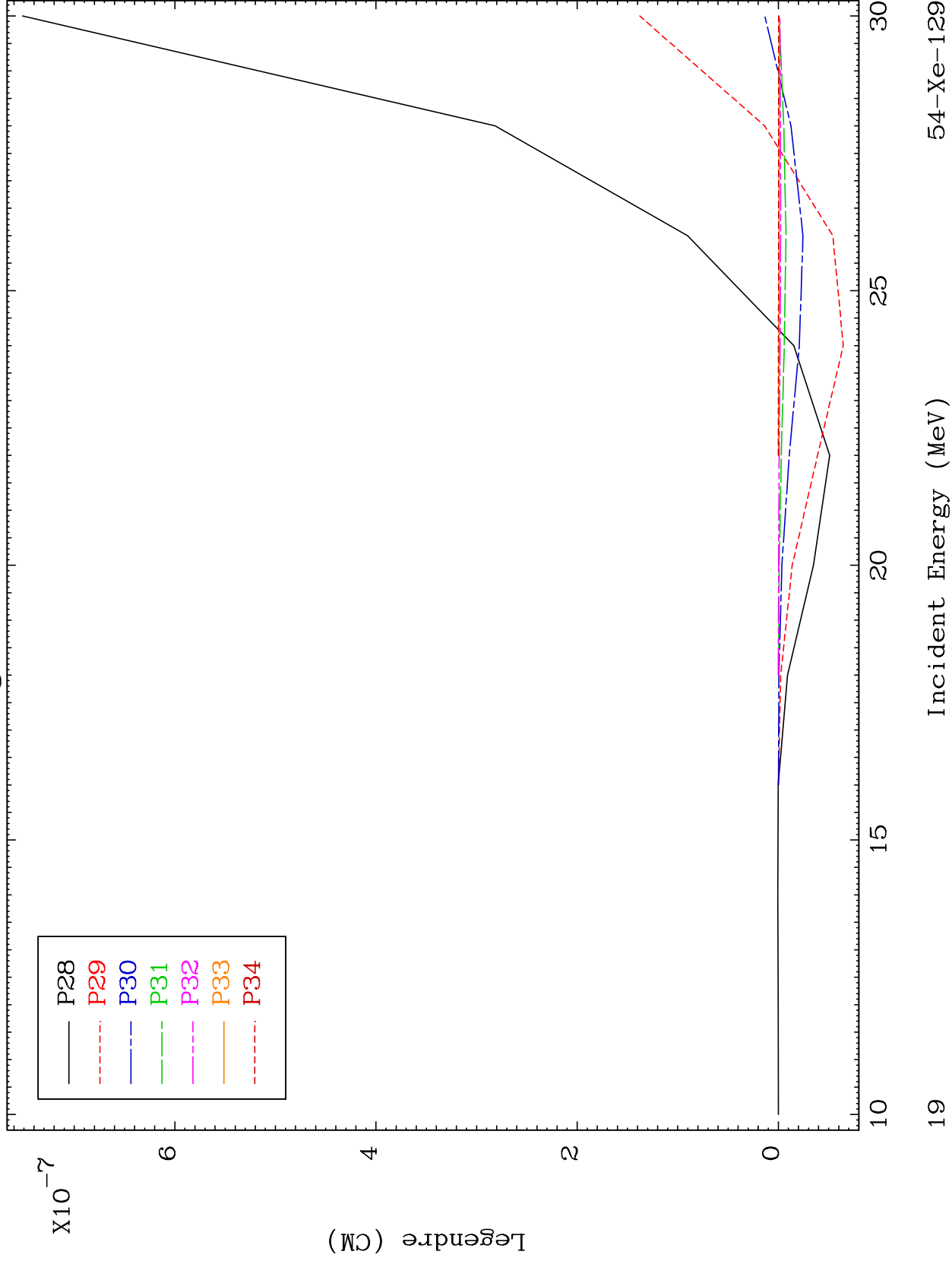
Incident Energy (MeV)

54-Xe-129

MAT 5440

Elastic  
Legendre Coefficients

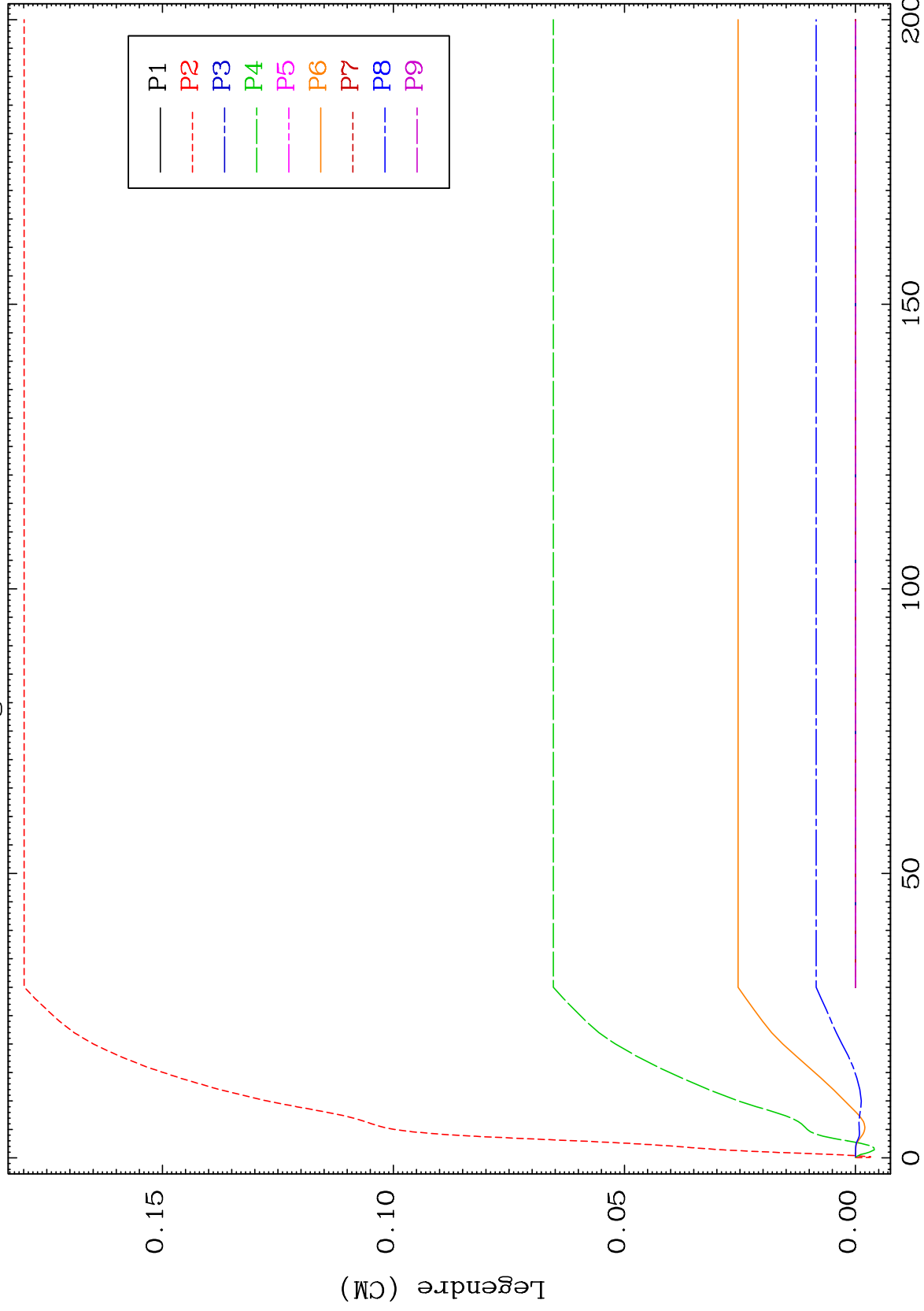
54-Xe-129



MAT 5440

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

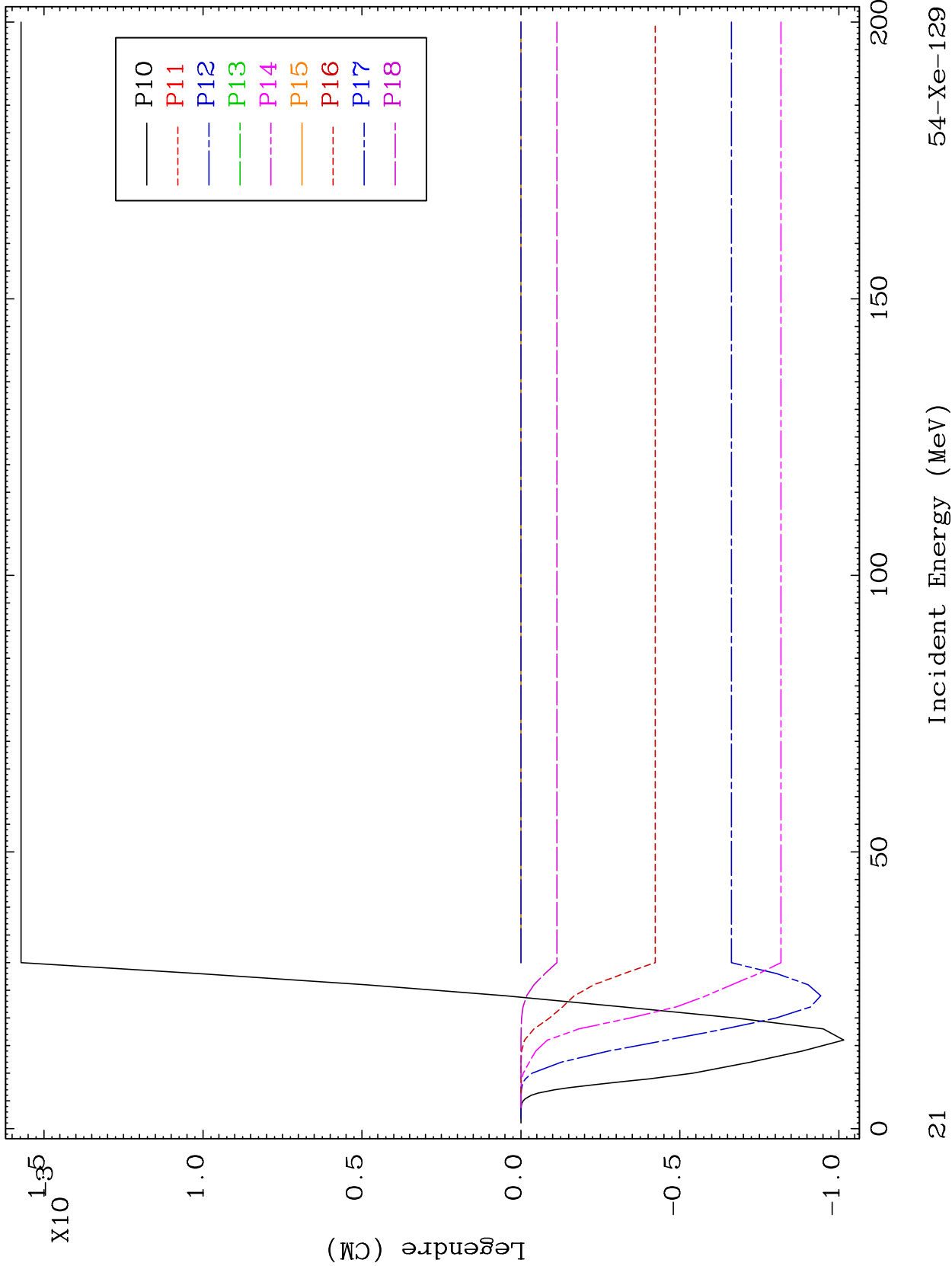
54-Xe-129



54-Xe-129

Incident Energy (MeV)

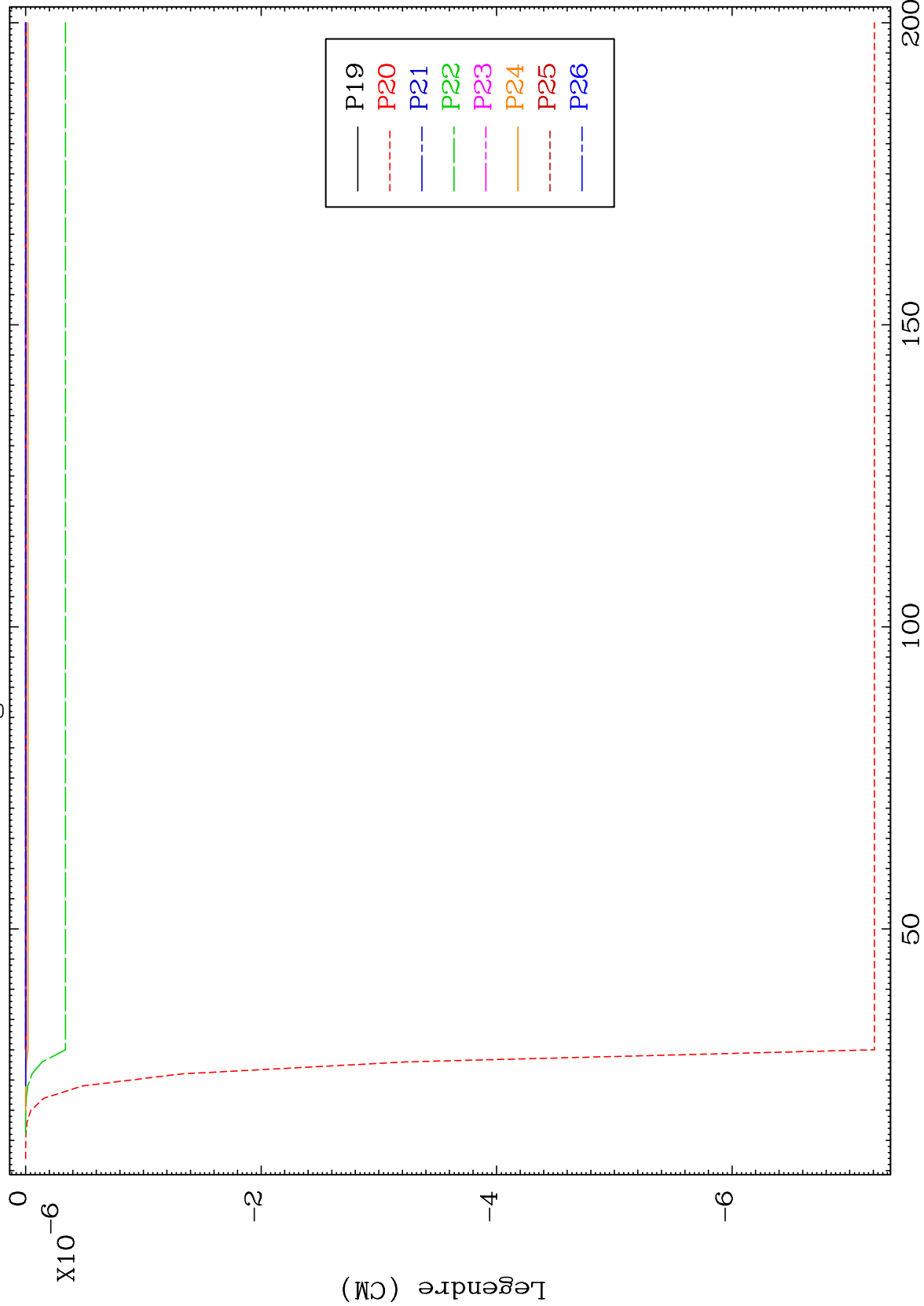
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MAT 5440

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

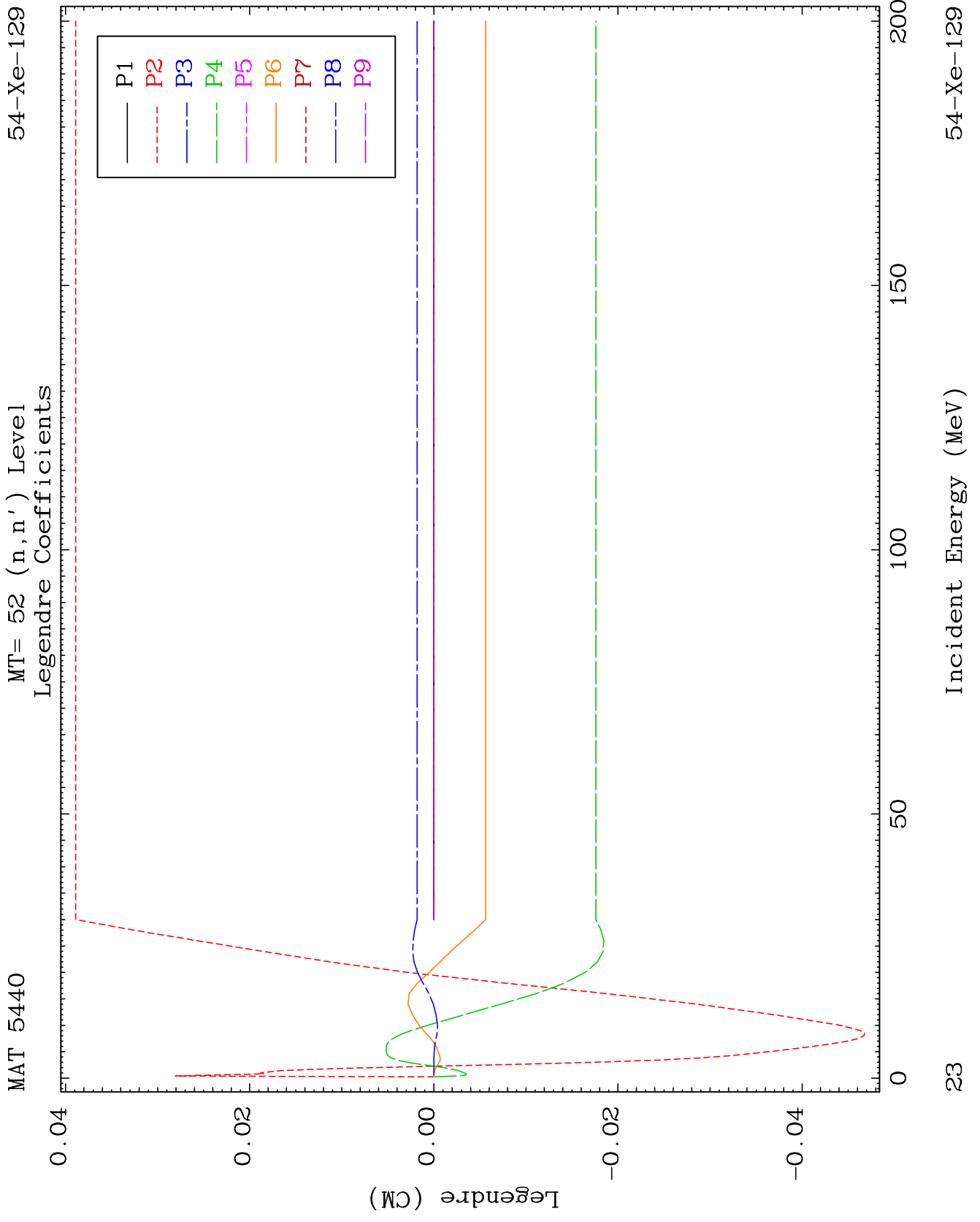
54-Xe-129



54-Xe-129

Incident Energy (MeV)

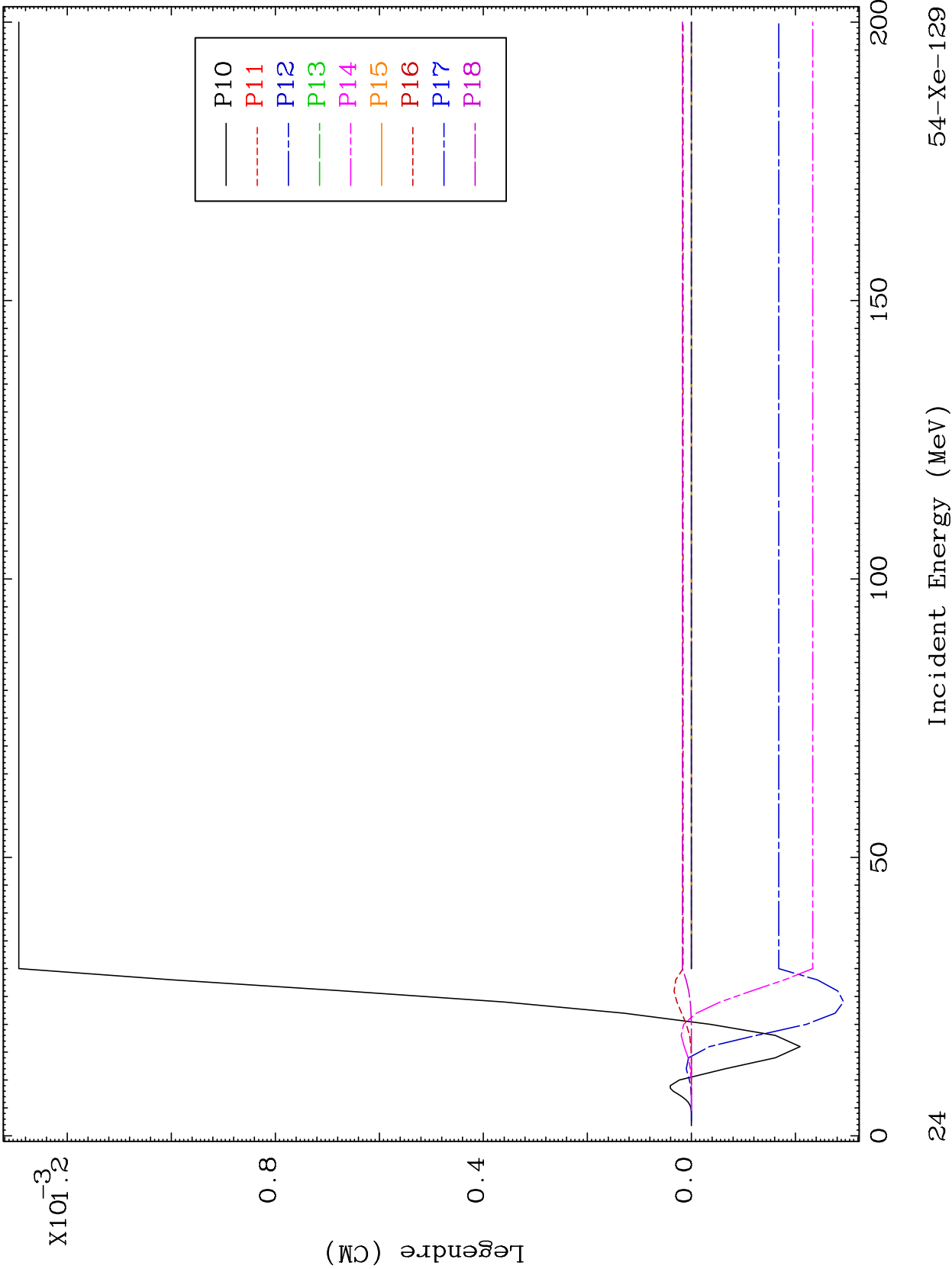
22



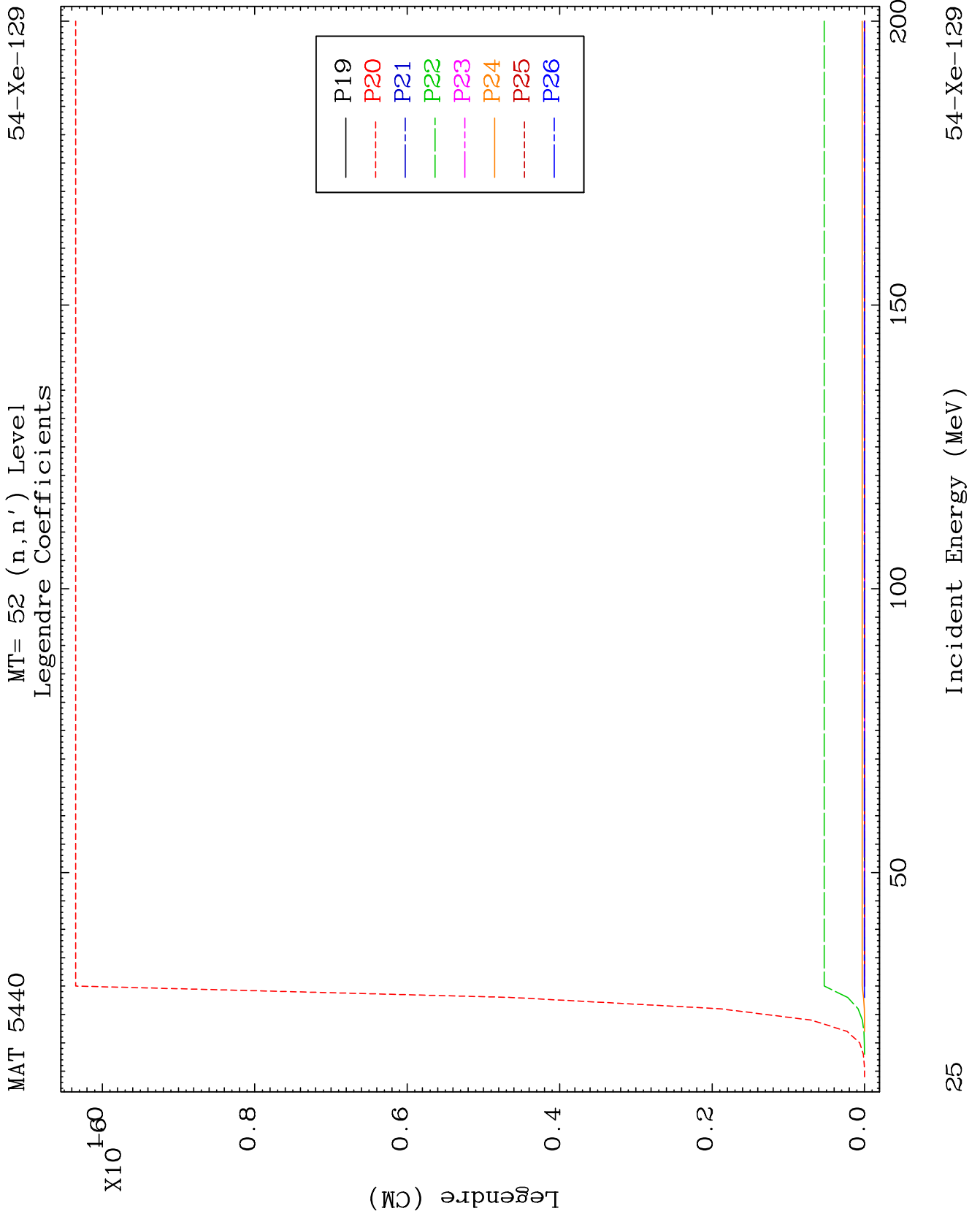
MAT 5440

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

54-Xe-129



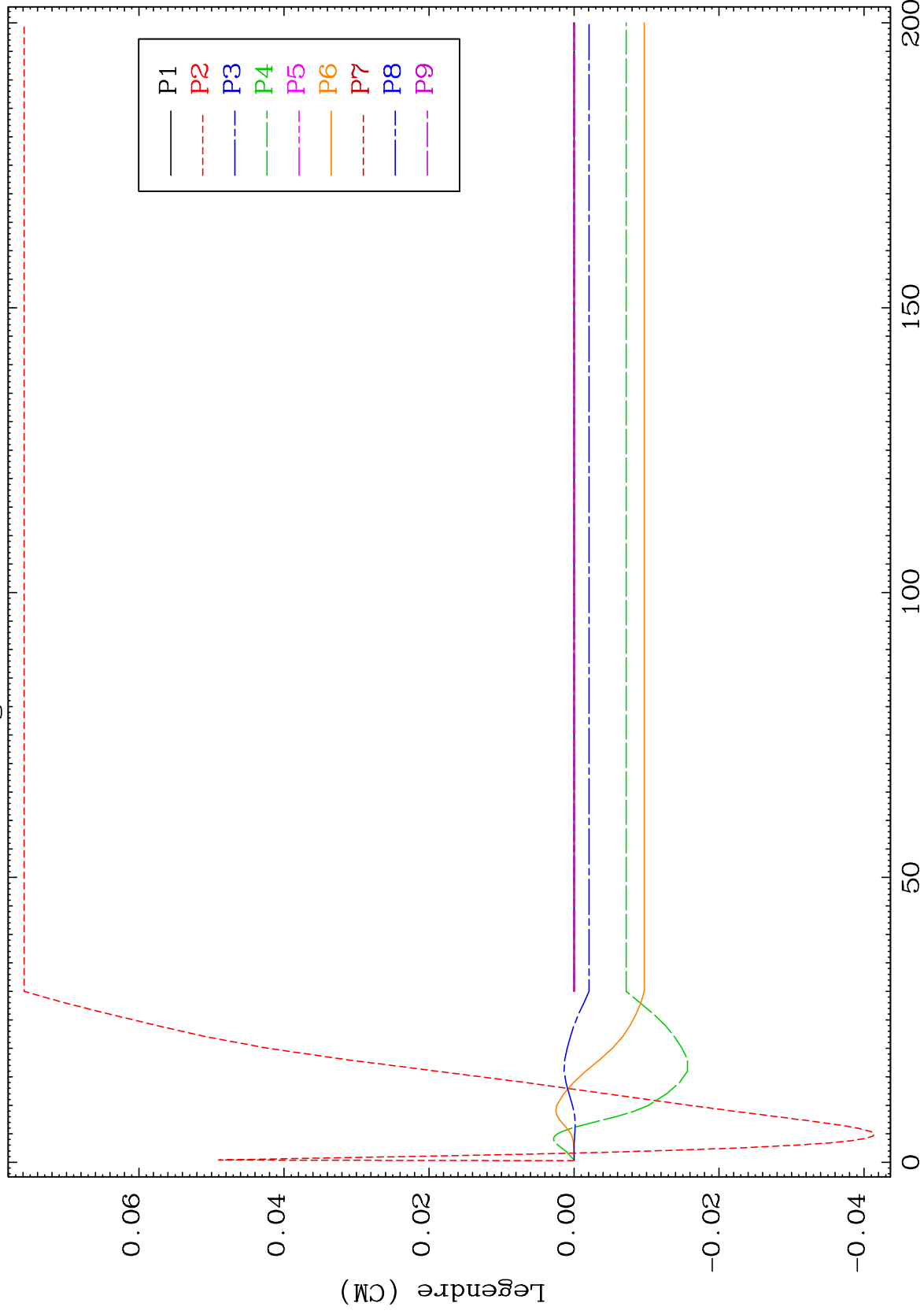
24



MAT 5440

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

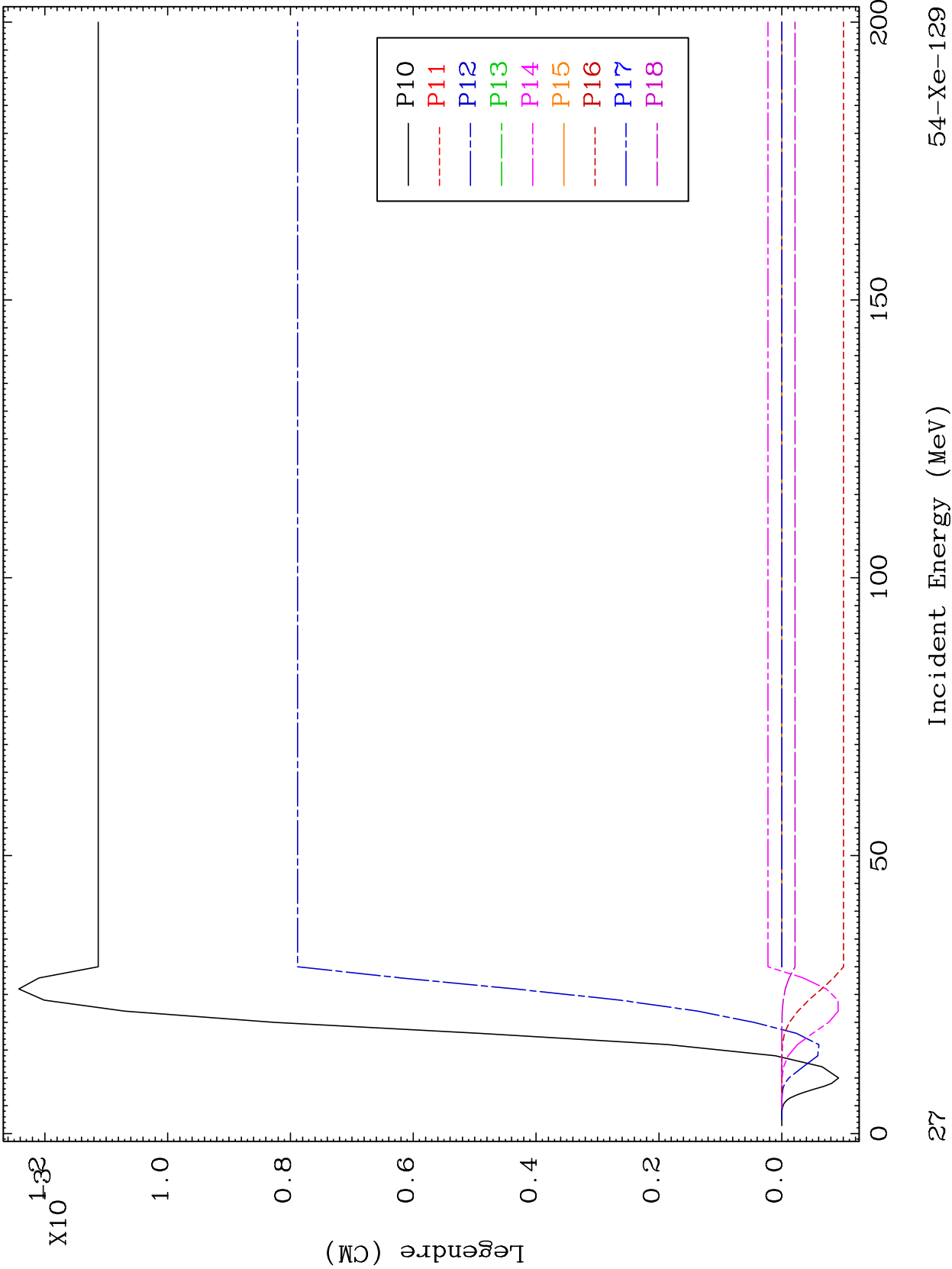
54-Xe-129



26

Incident Energy (MeV)

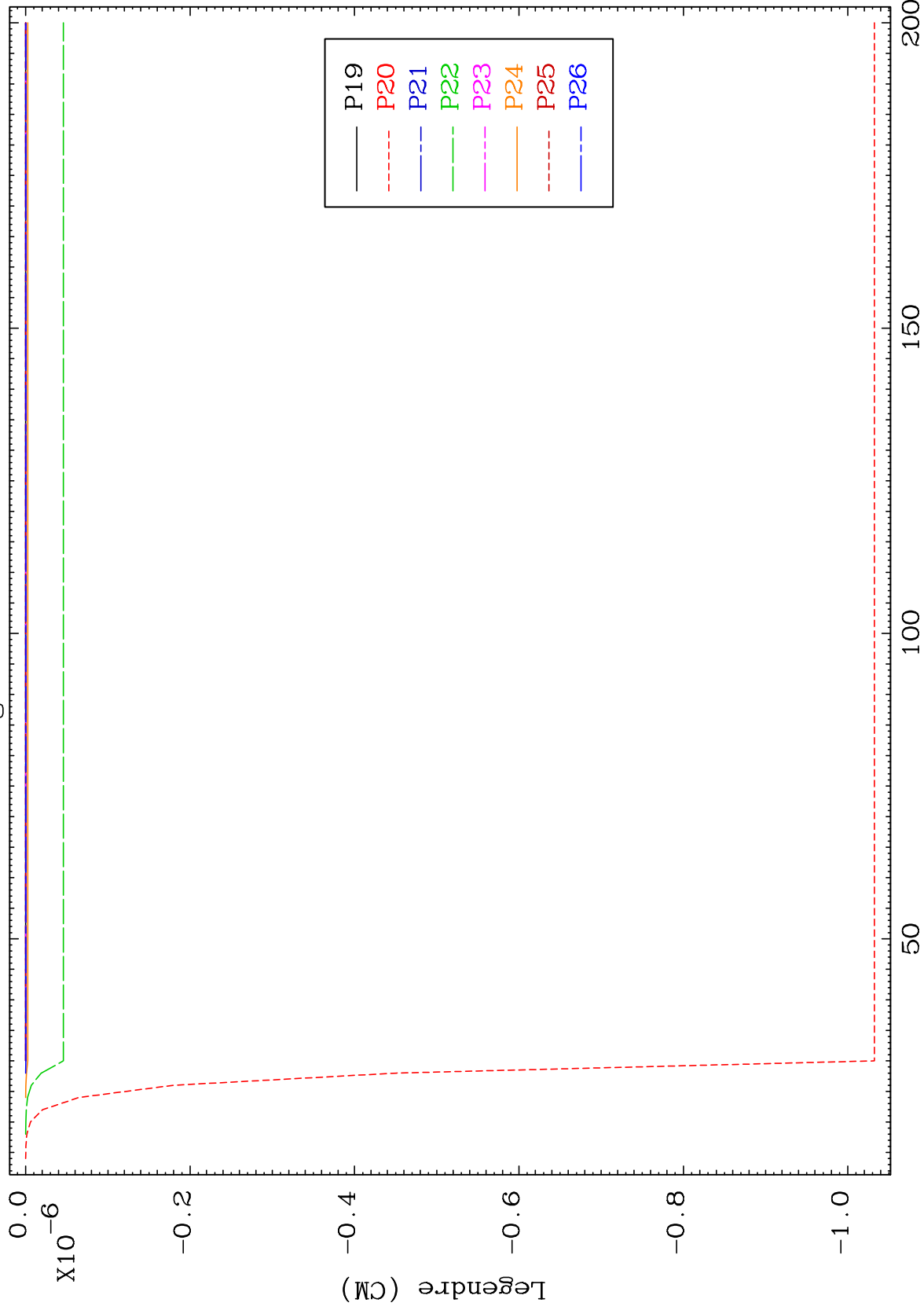
54-Xe-129



MAT 5440

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

54-Xe-129



28

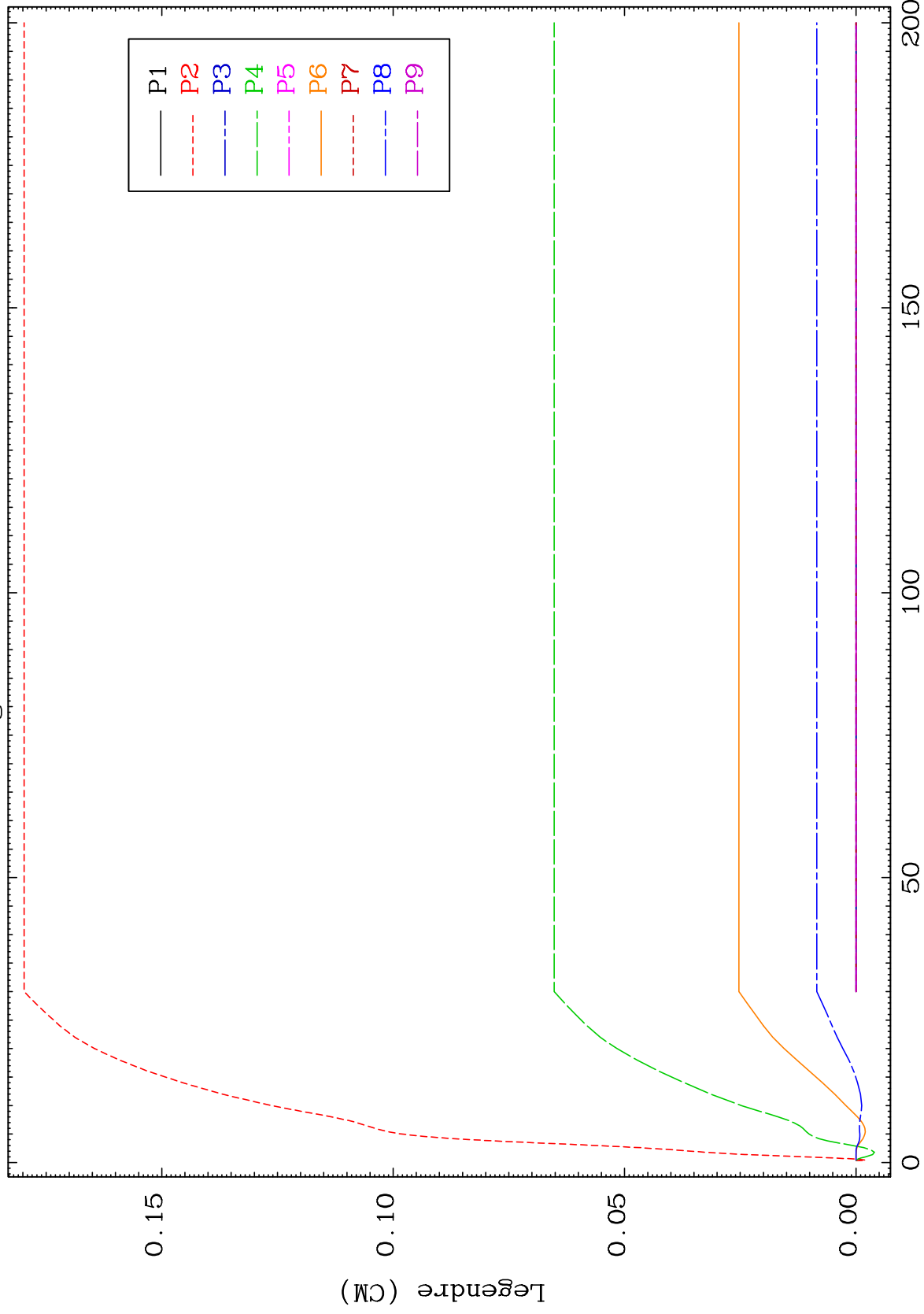
Incident Energy (MeV)

54-Xe-129

MAT 5440

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

54-Xe-129



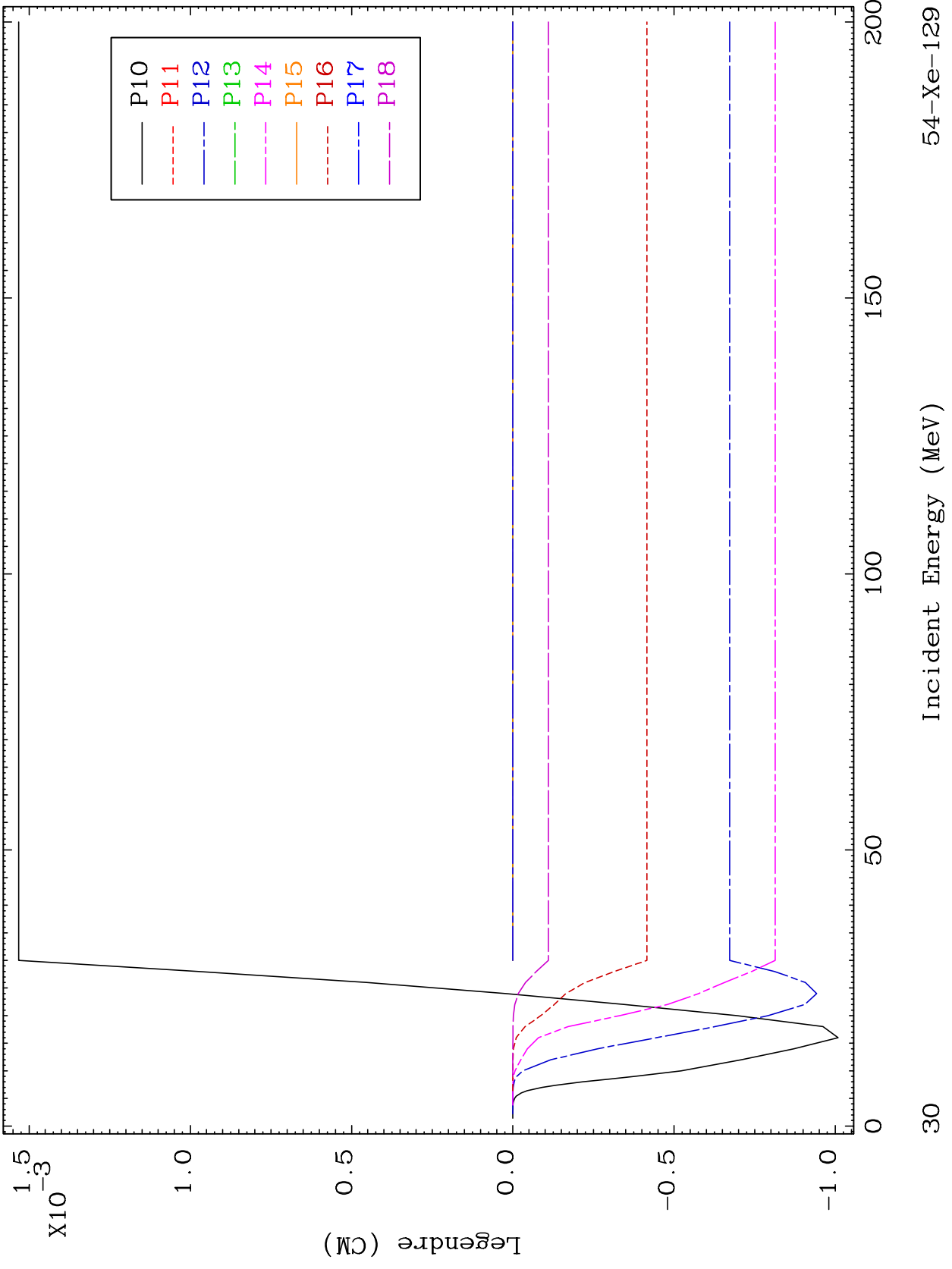
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54-Xe-129

MAT 5440

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

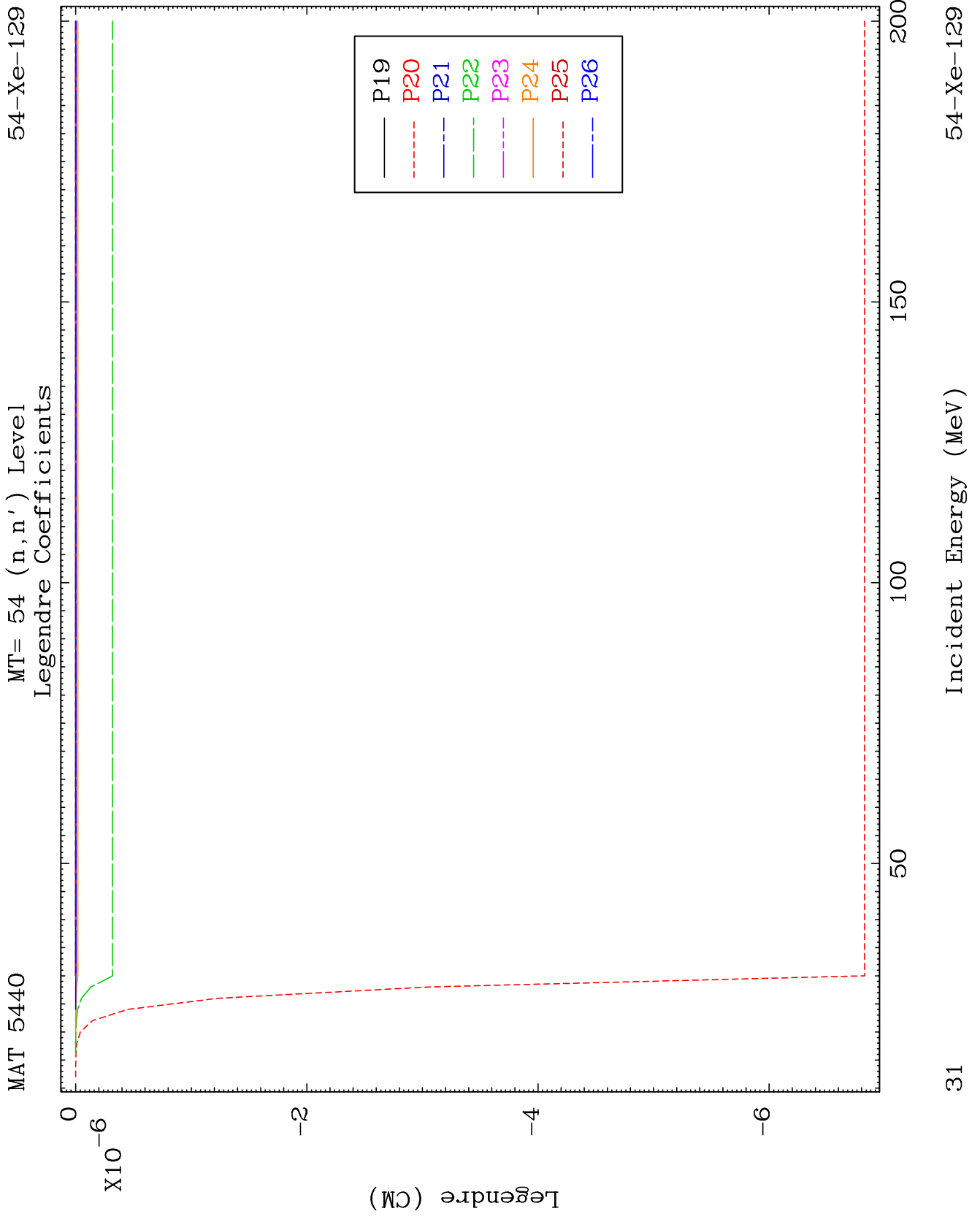
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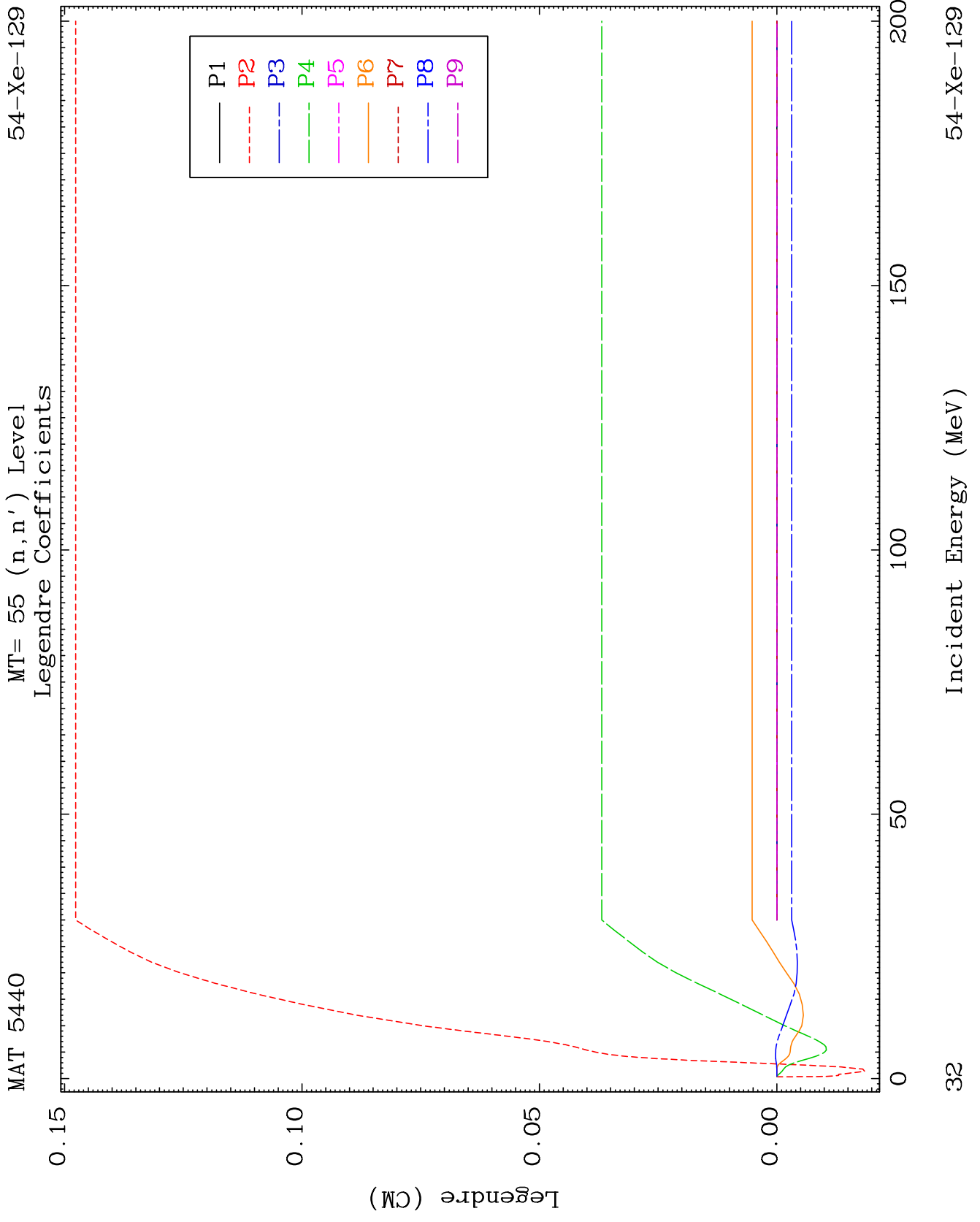


54-Xe-129

Incident Energy (MeV)

30



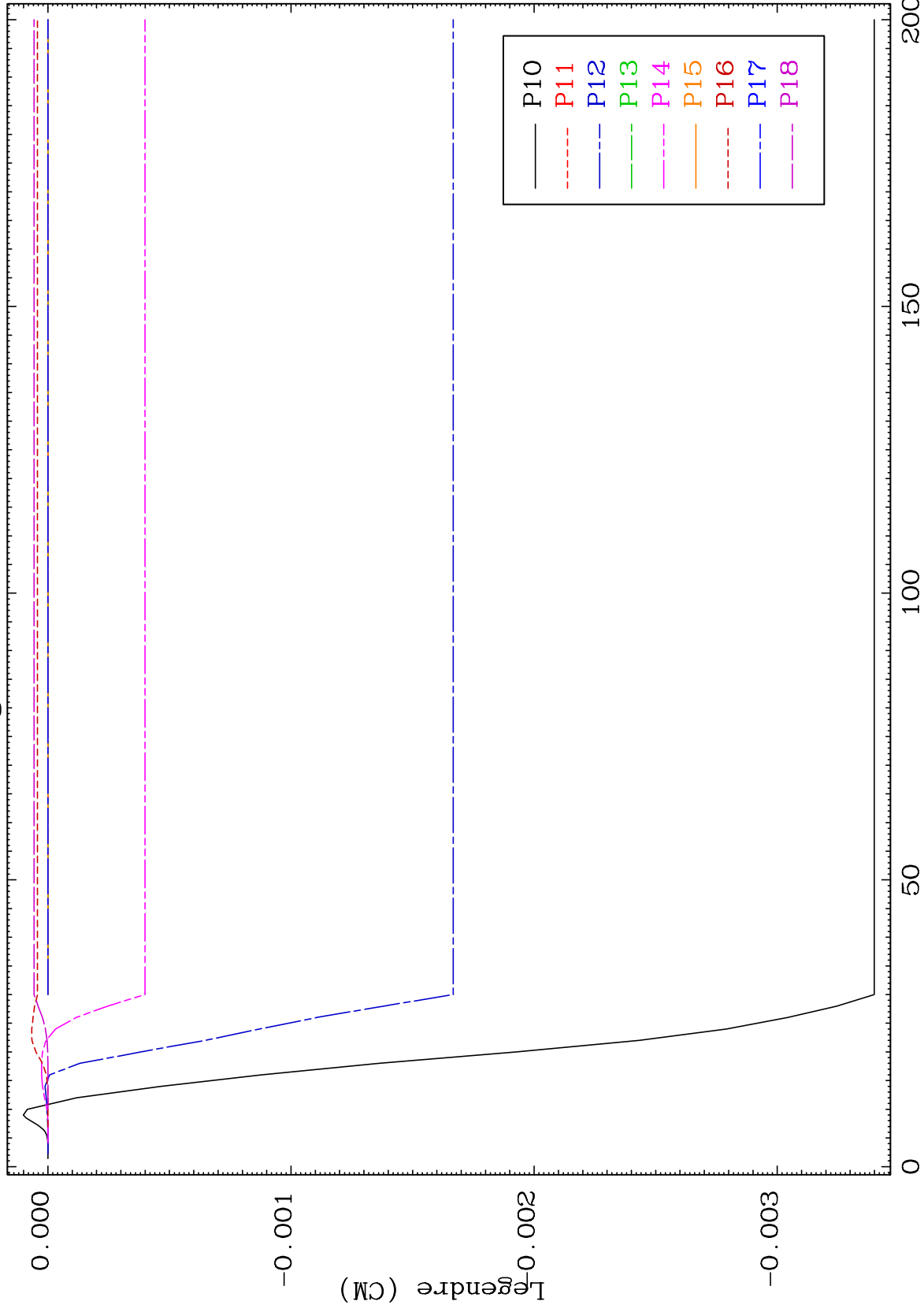


MAT 5440

MT= 55 (n,n') Level

54-Xe-129

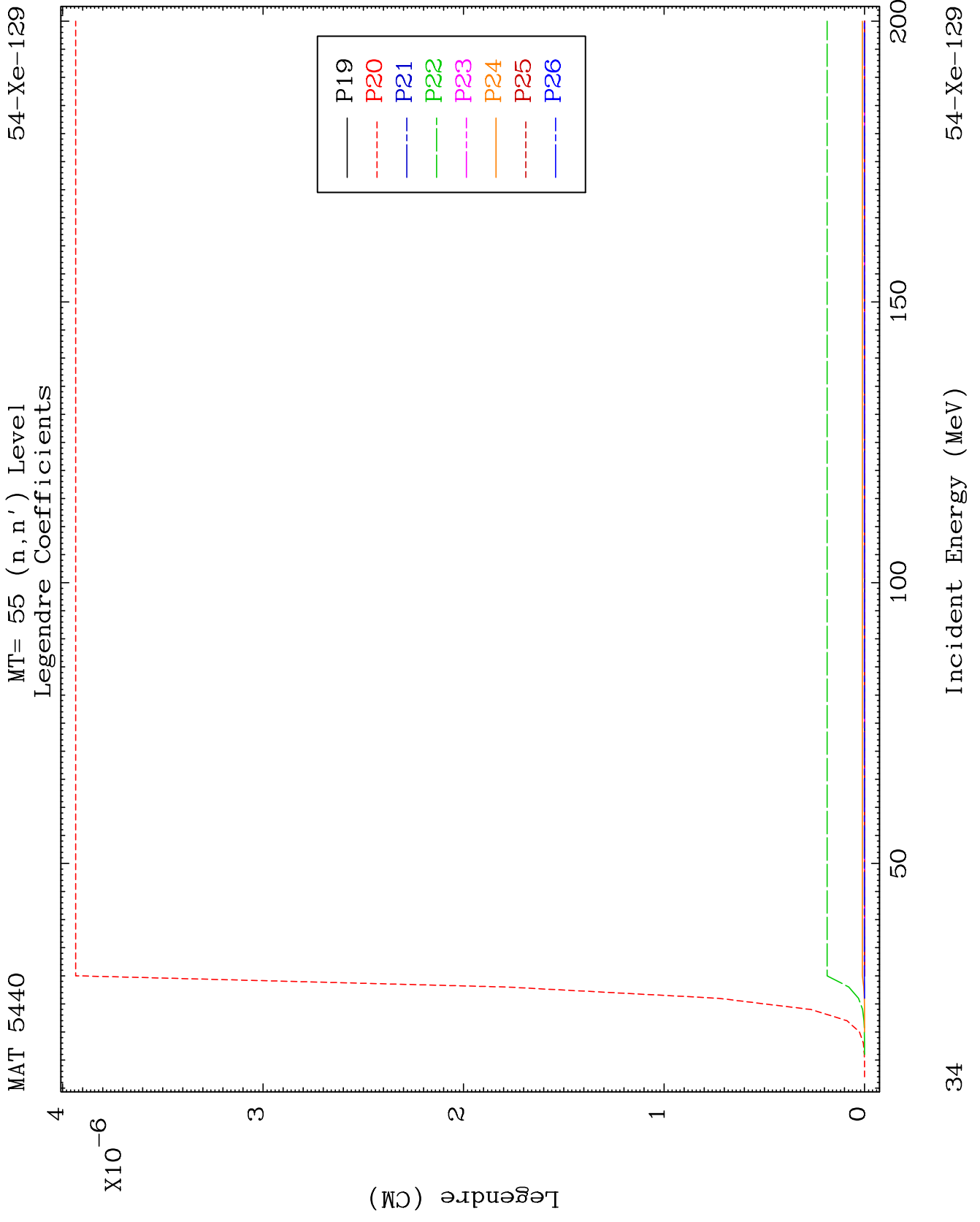
Legendre Coefficients



33

Incident Energy (MeV)

54-Xe-129

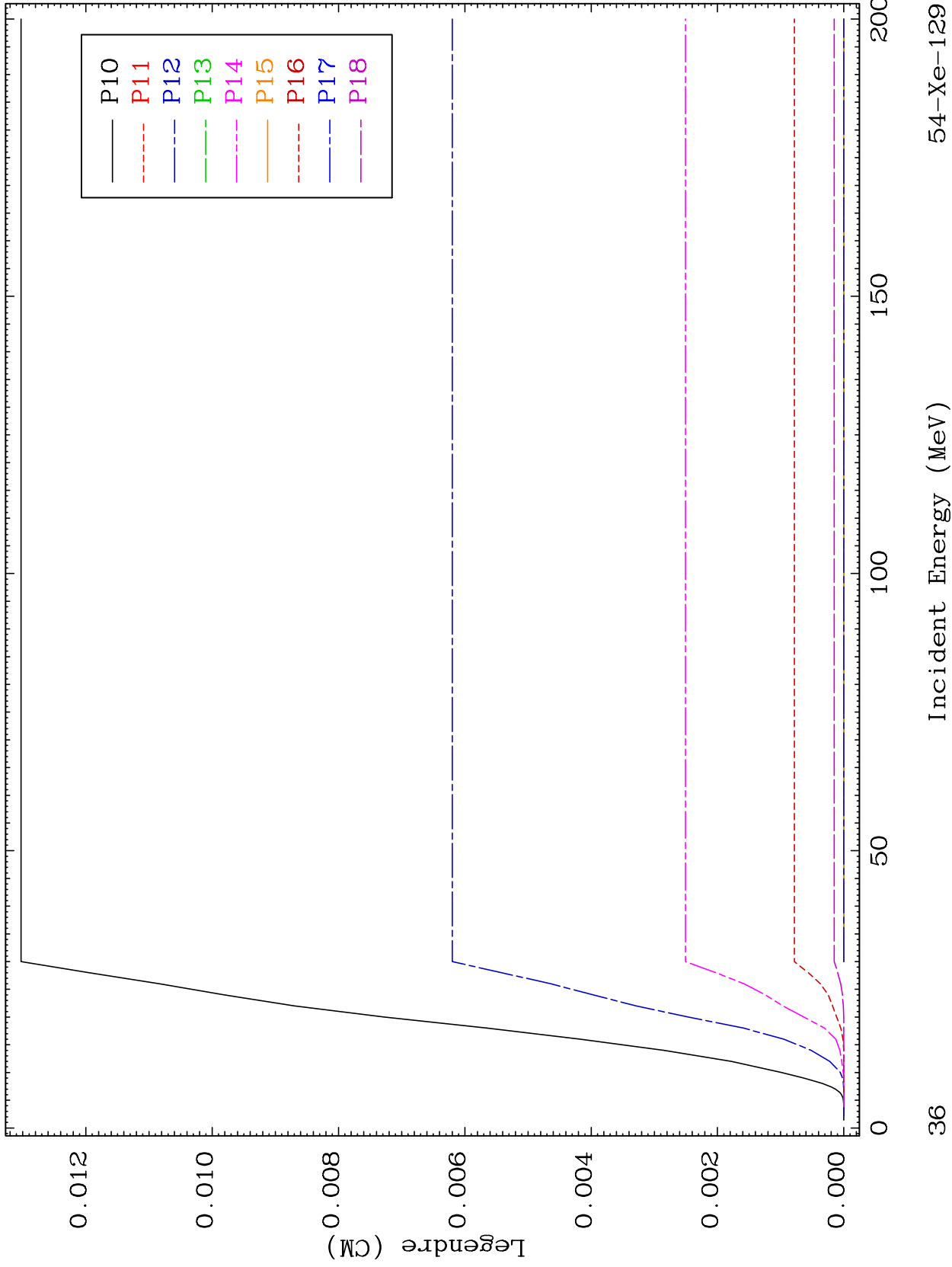




MAT 5440

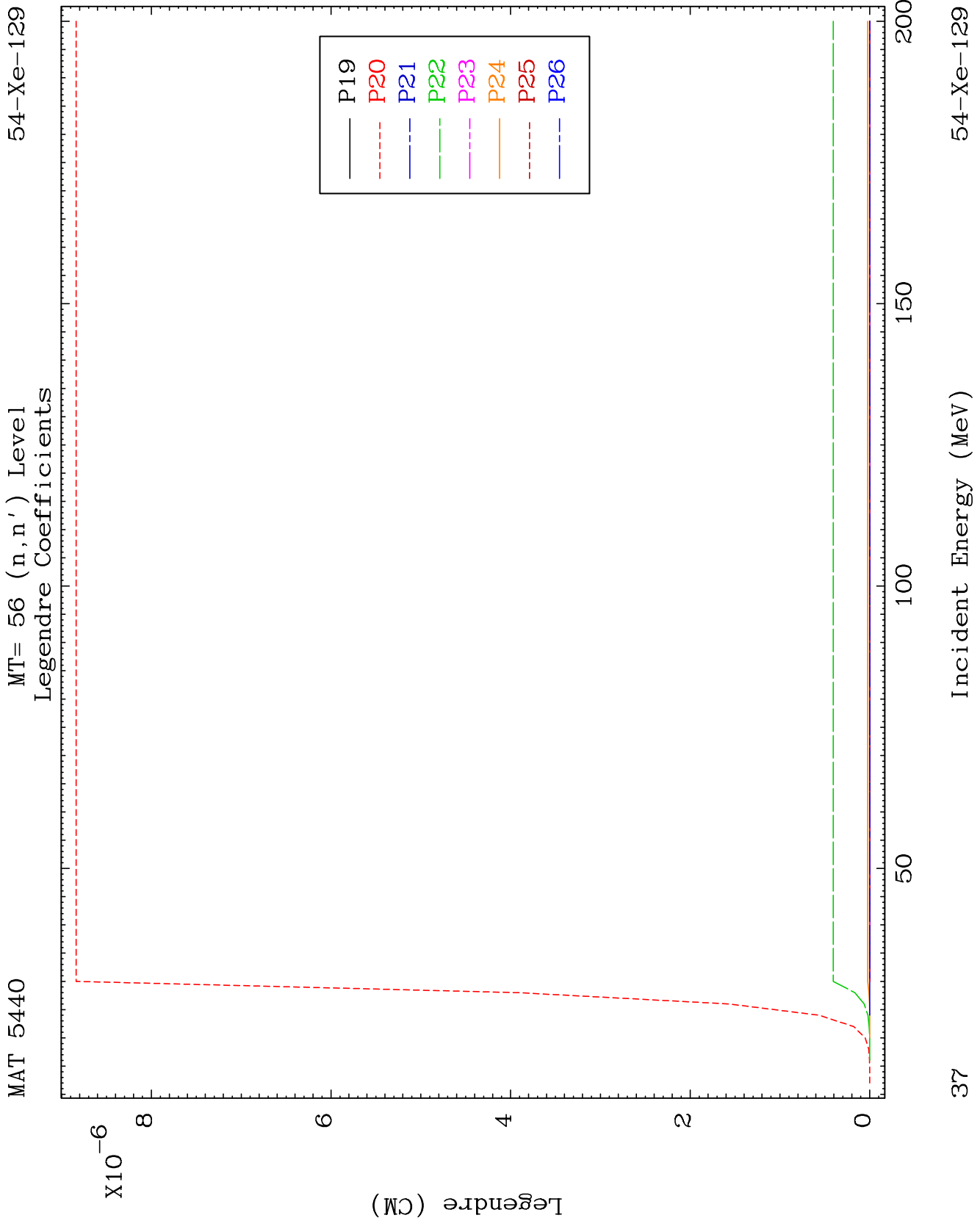
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Legendre Coefficients

54-Xe-129



36

54-Xe-129

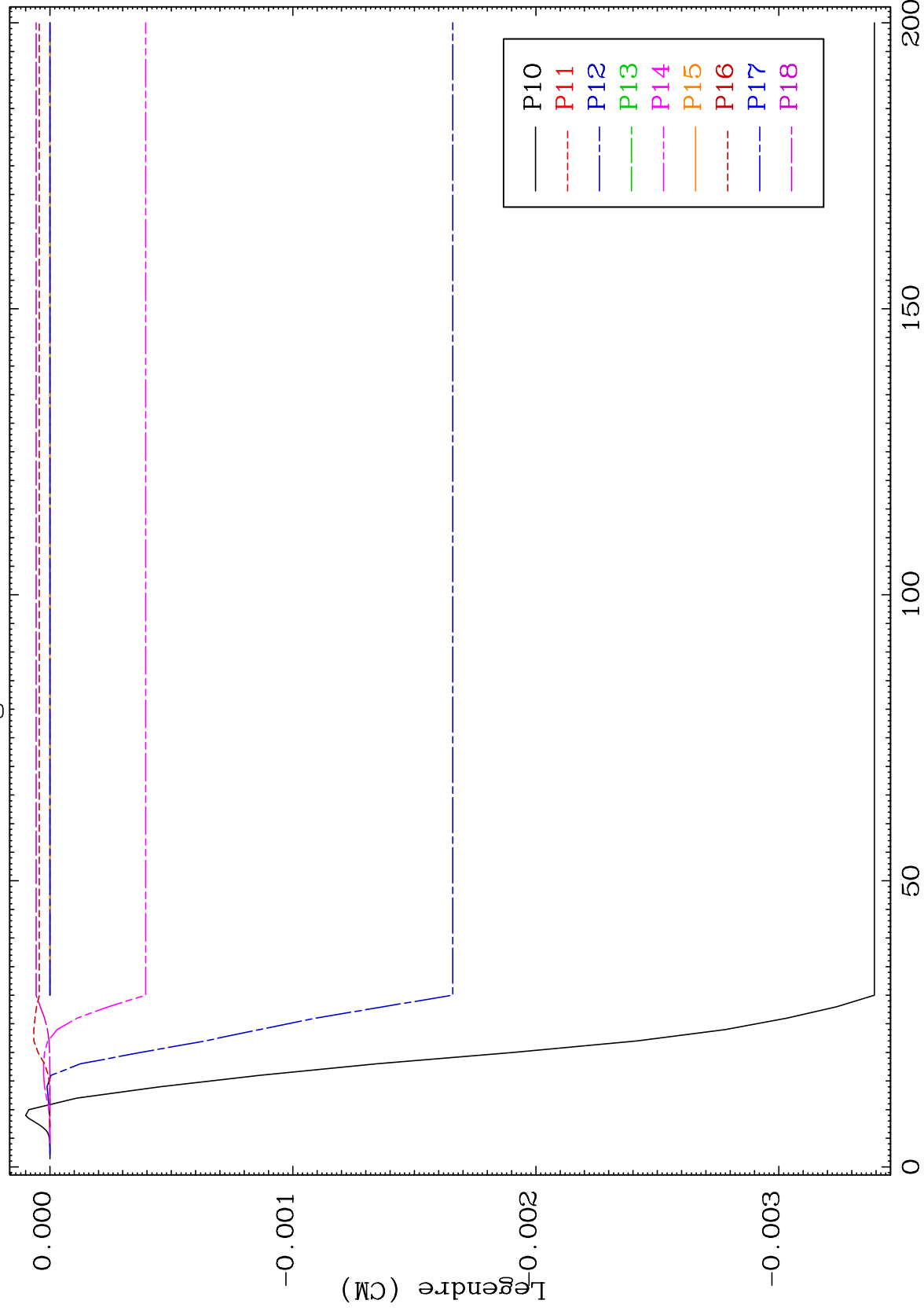




MAT 5440

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

54-Xe-129



39

Incident Energy (MeV)

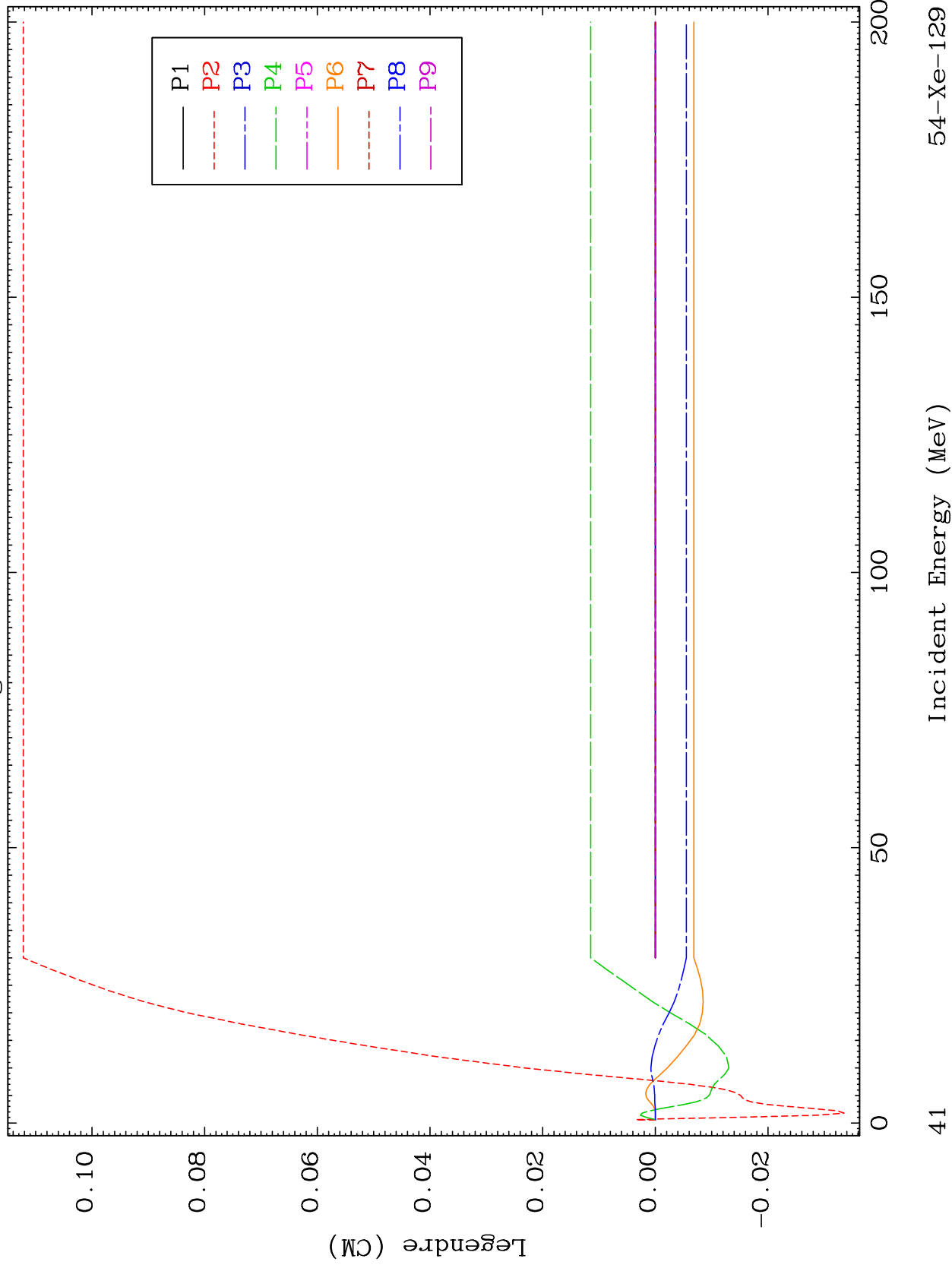
54-Xe-129



MAT 5440

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

54-Xe-129



41

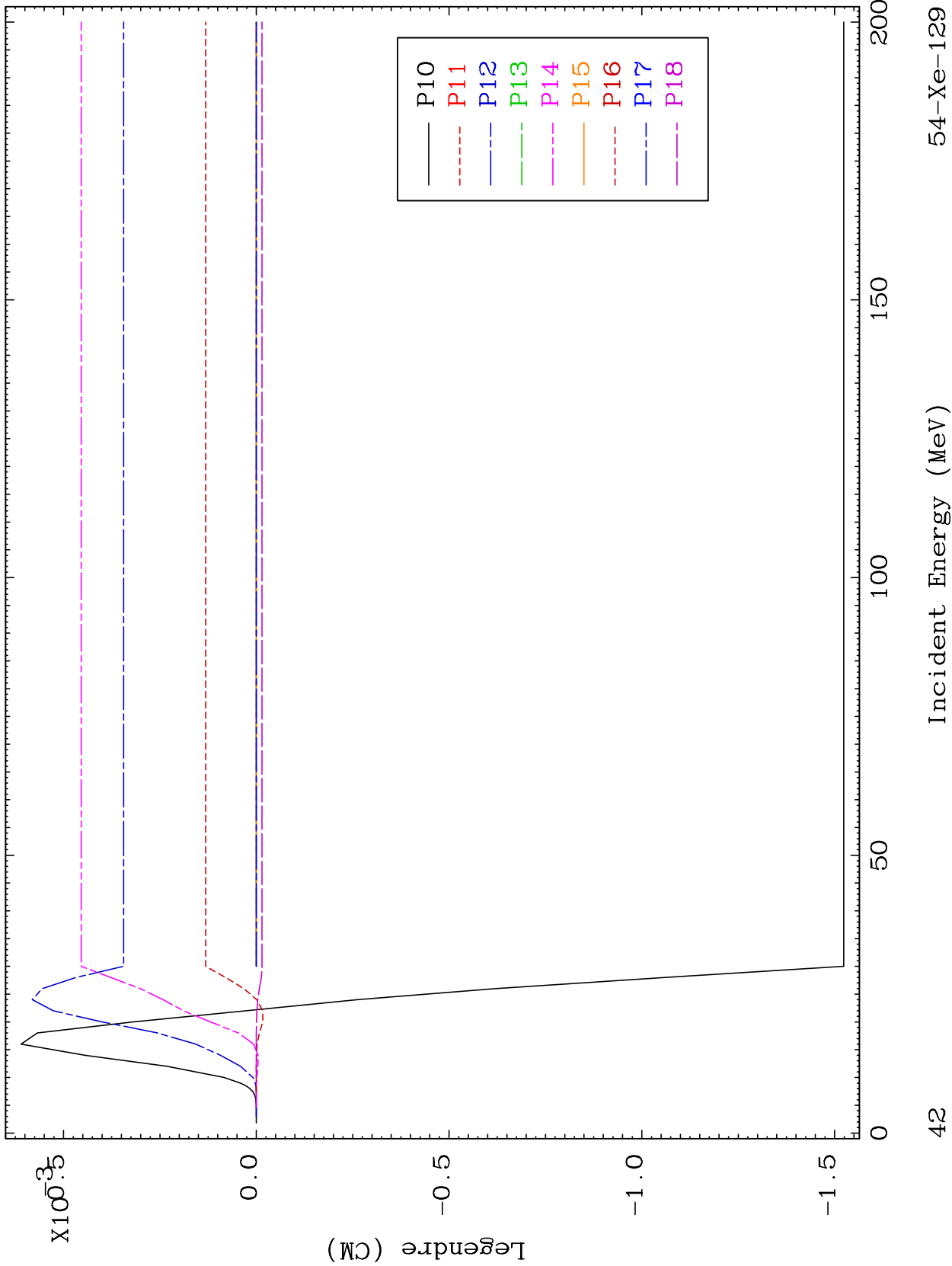
Incident Energy (MeV)

54-Xe-129

MAT 5440

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

54-Xe-129



42

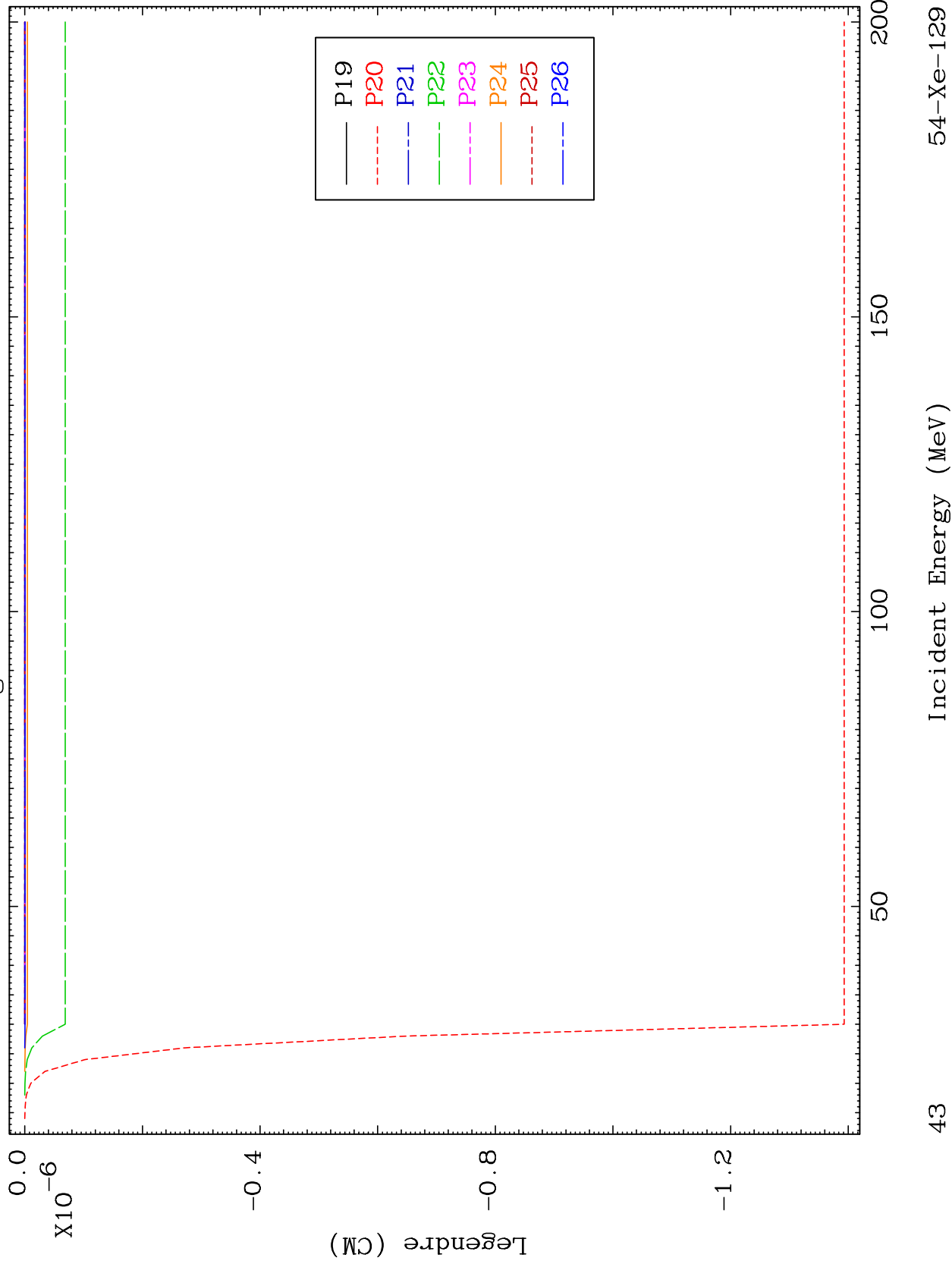
Incident Energy (MeV)

54-Xe-129

MAT 5440

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

54-Xe-129



43

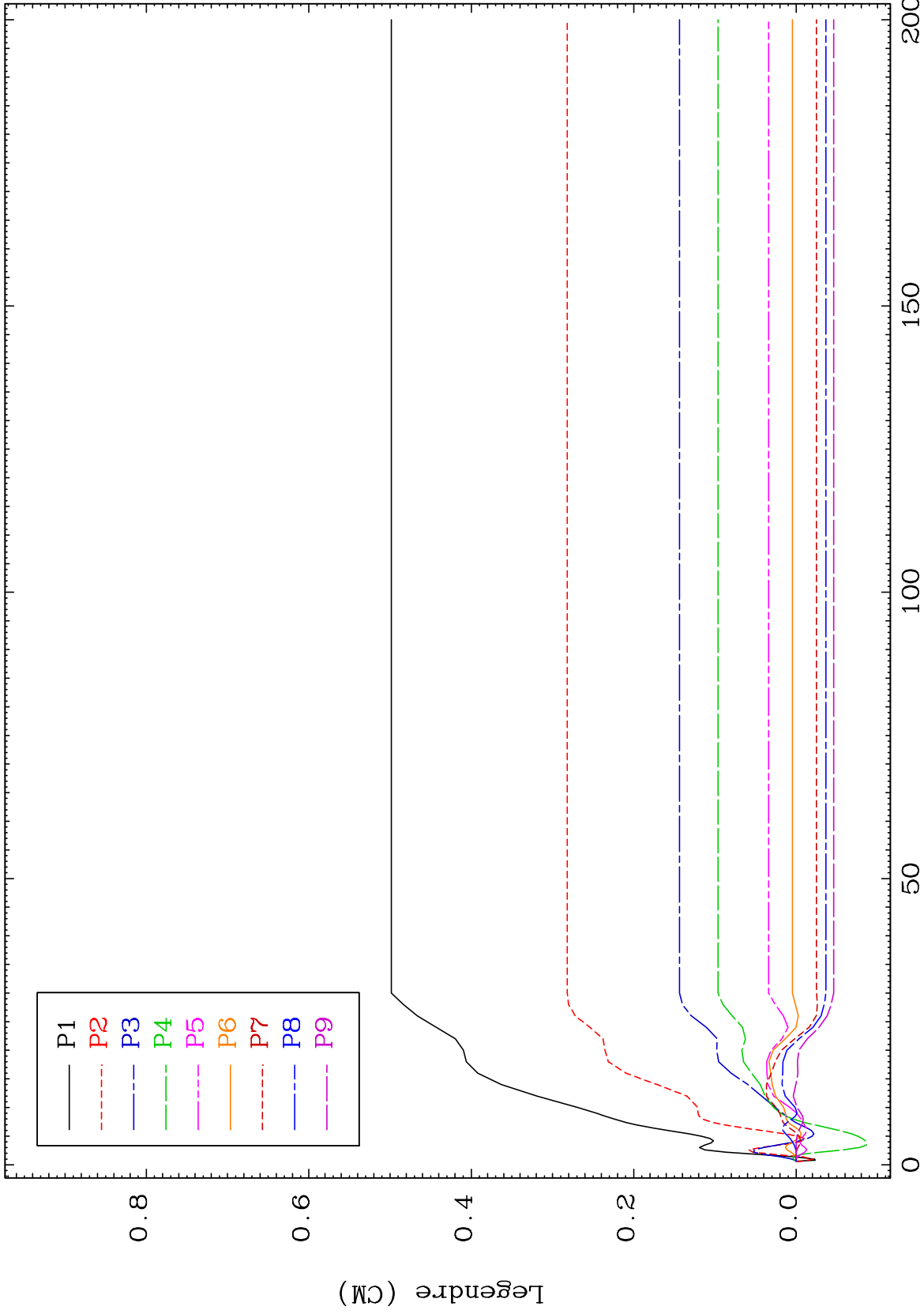
Incident Energy (MeV)

54-Xe-129

MAT 5440

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

54-Xe-129



44

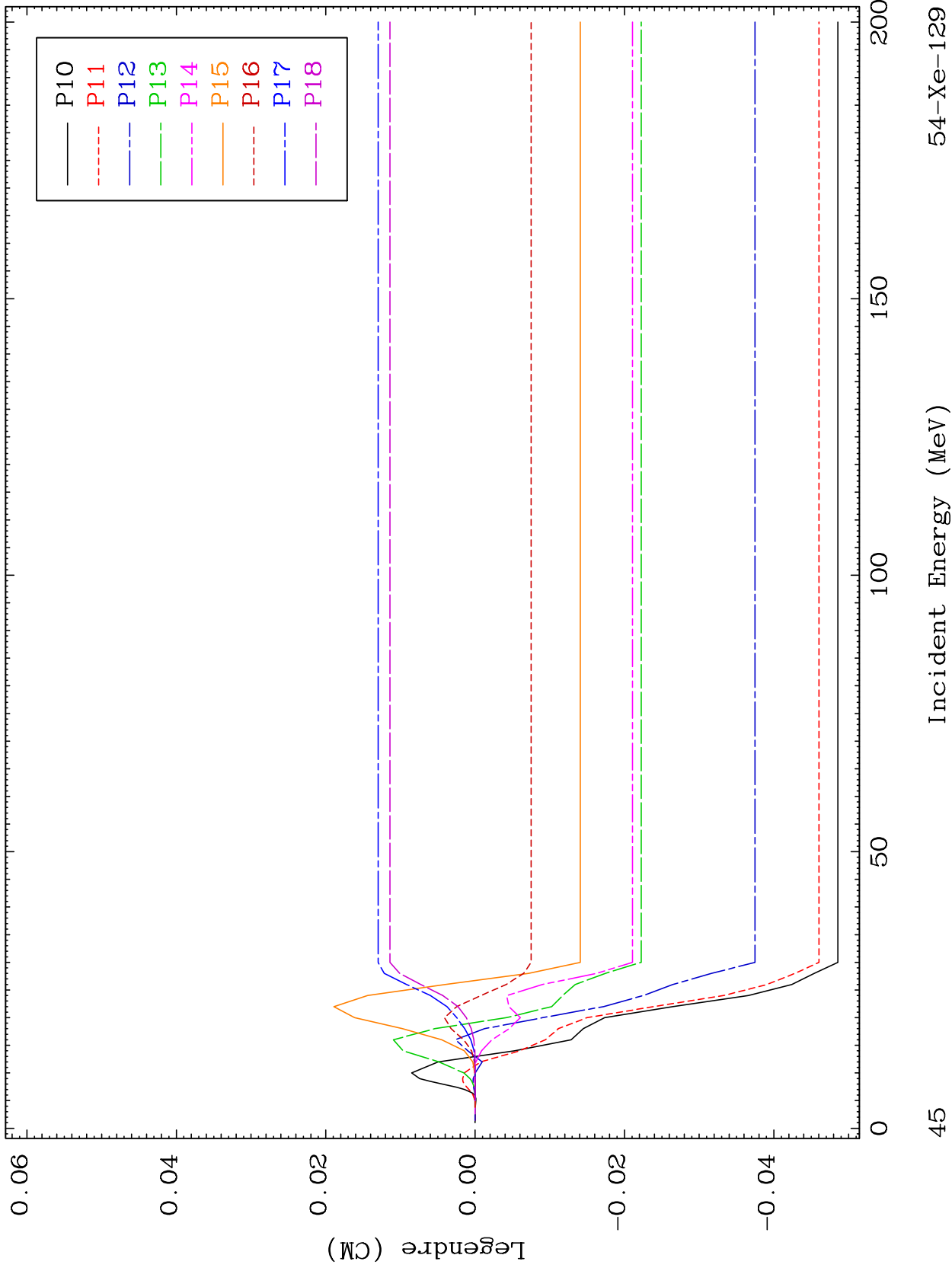
Incident Energy (MeV)

54-Xe-129

MAT 5440

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

54-Xe-129



54-Xe-129

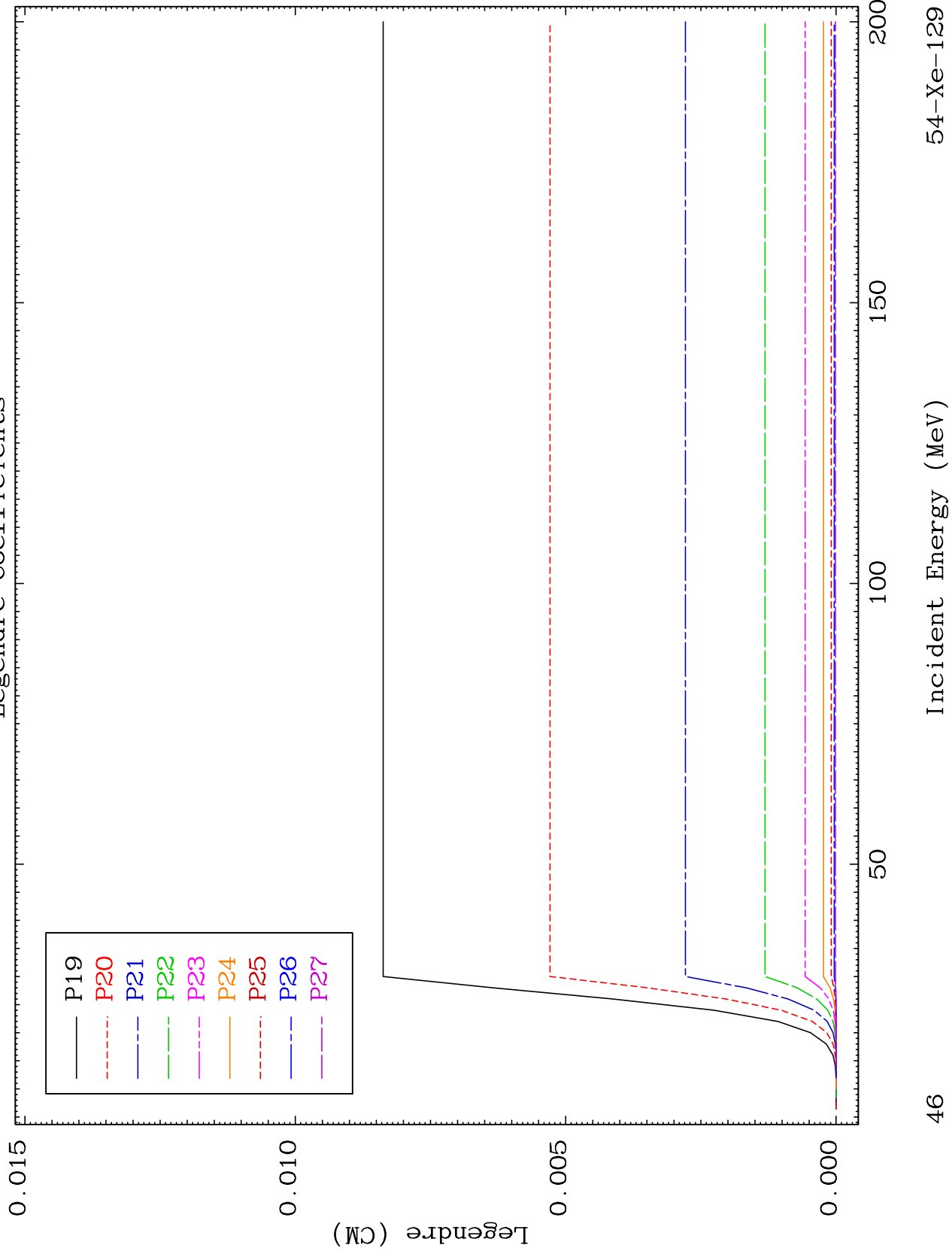
Incident Energy (MeV)

45

MAT 5440

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

54-Xe-129



46

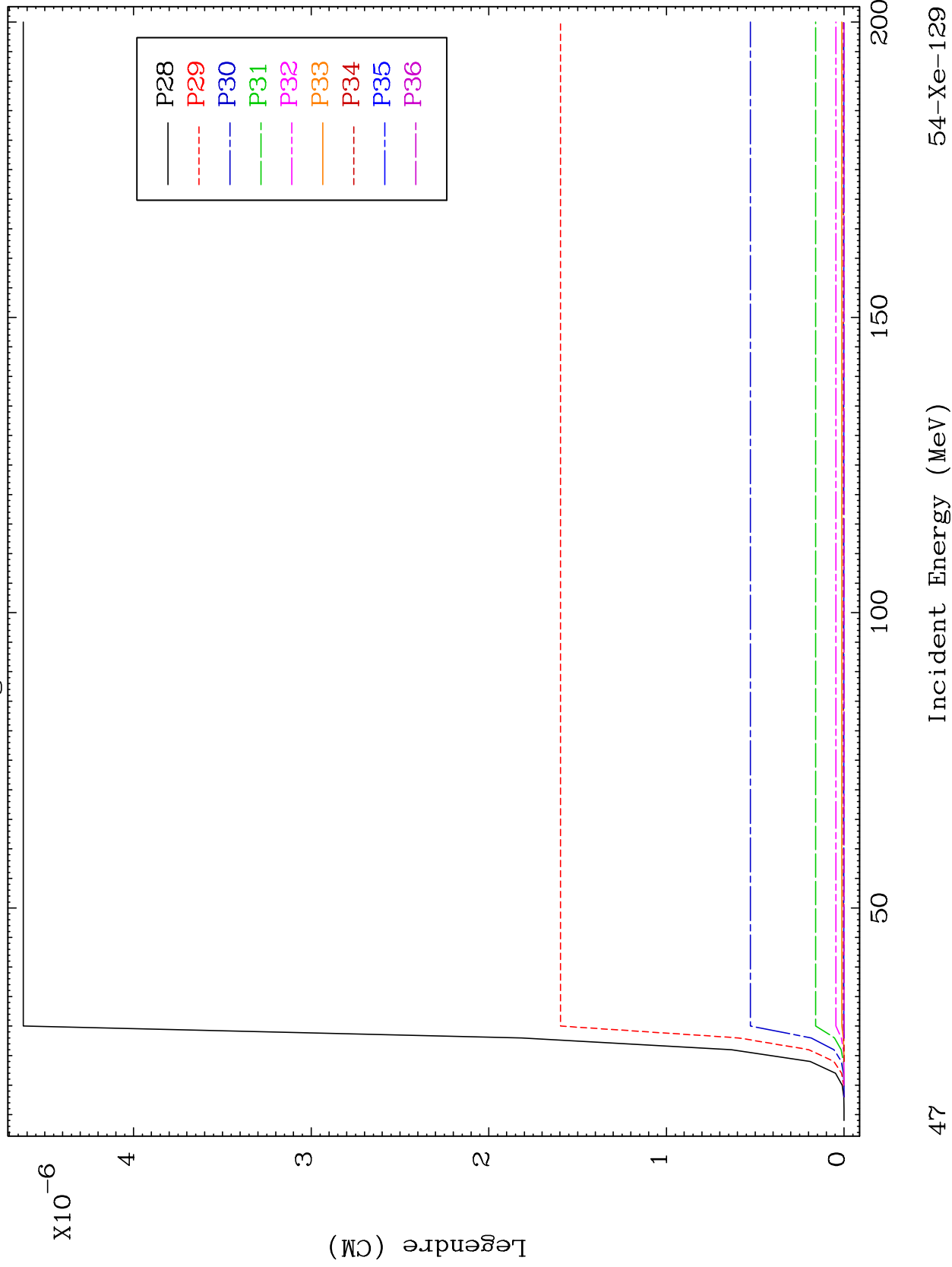
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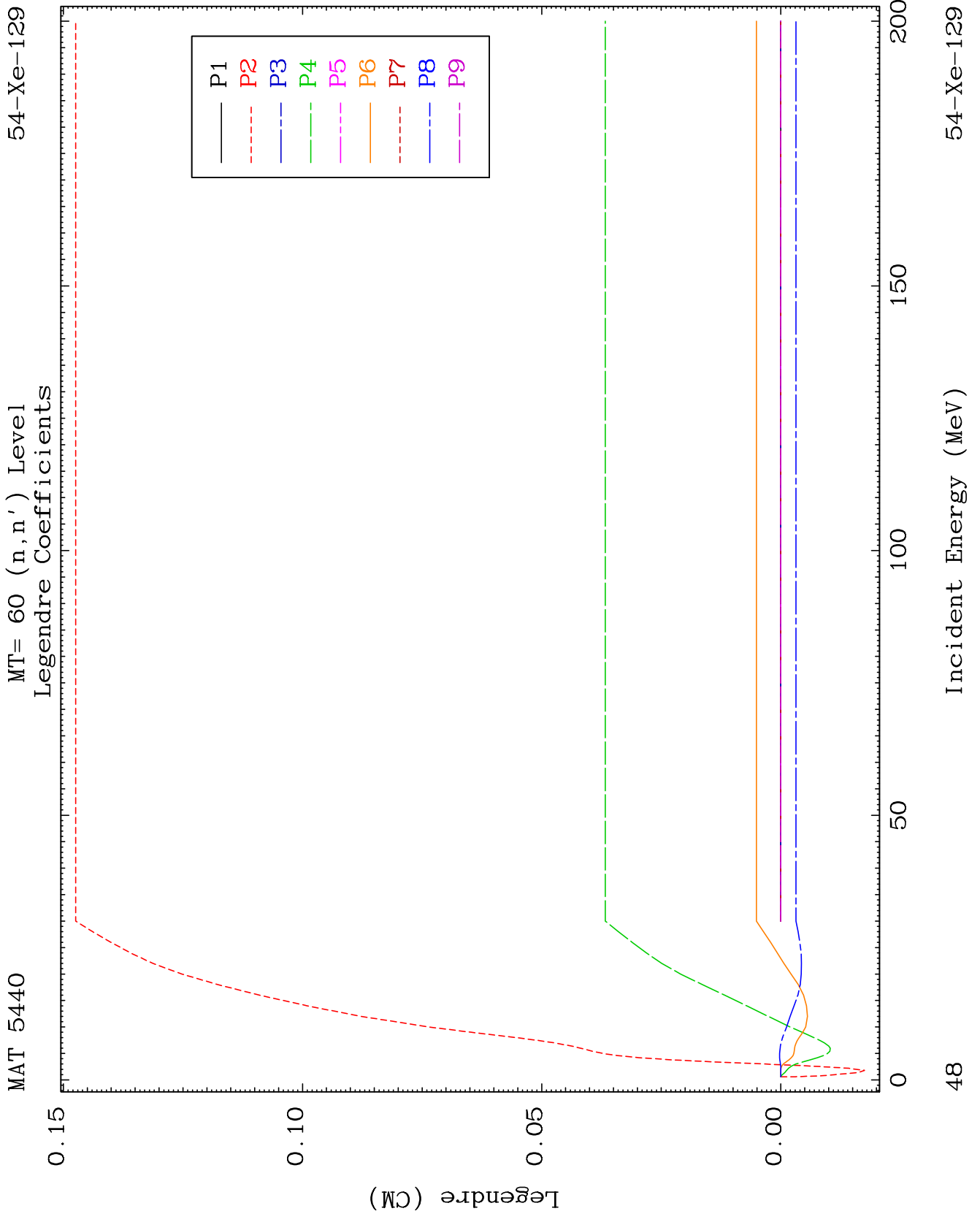
54-Xe-129

MAT 5440

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

54-Xe-129

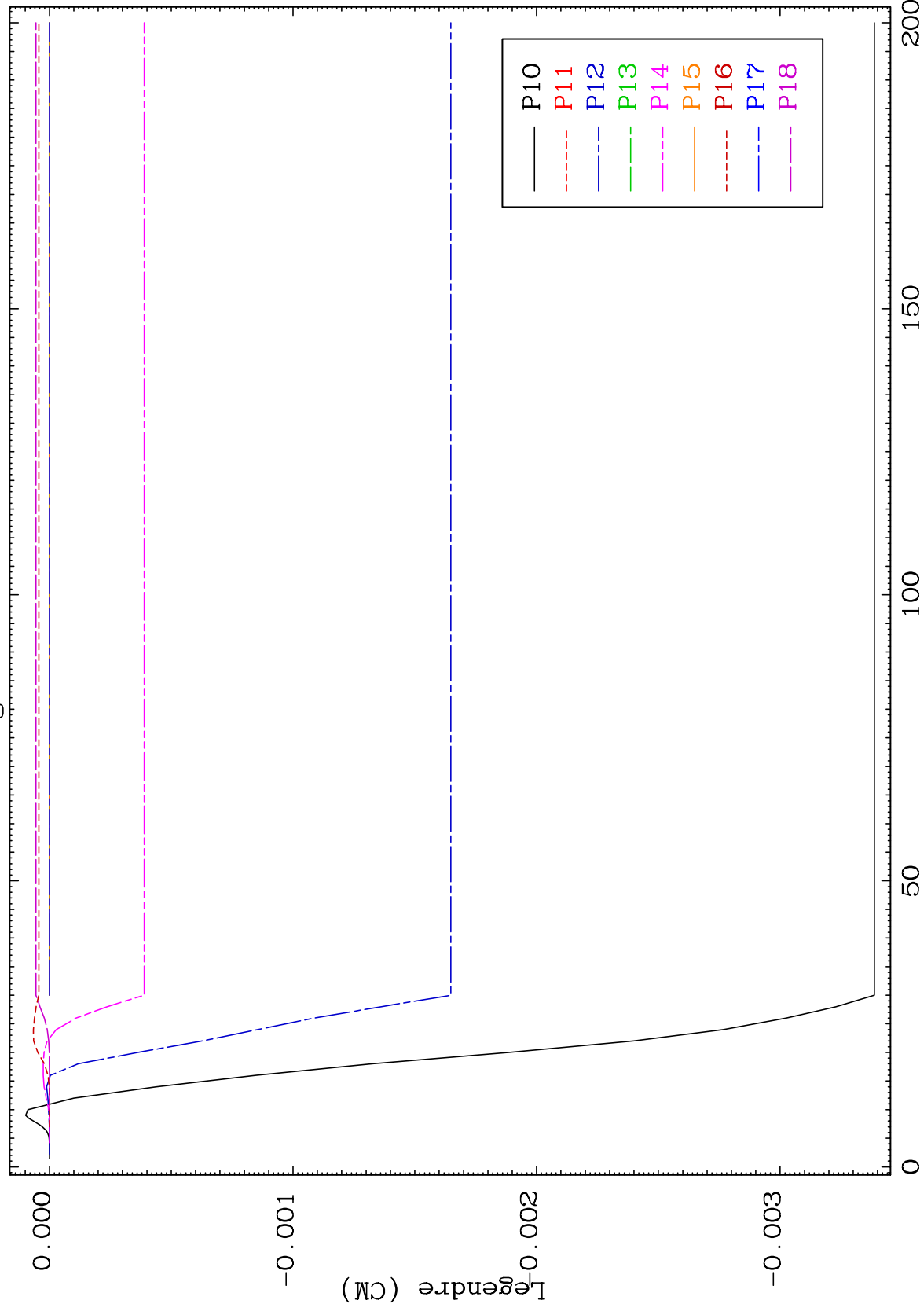




MAT 5440

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

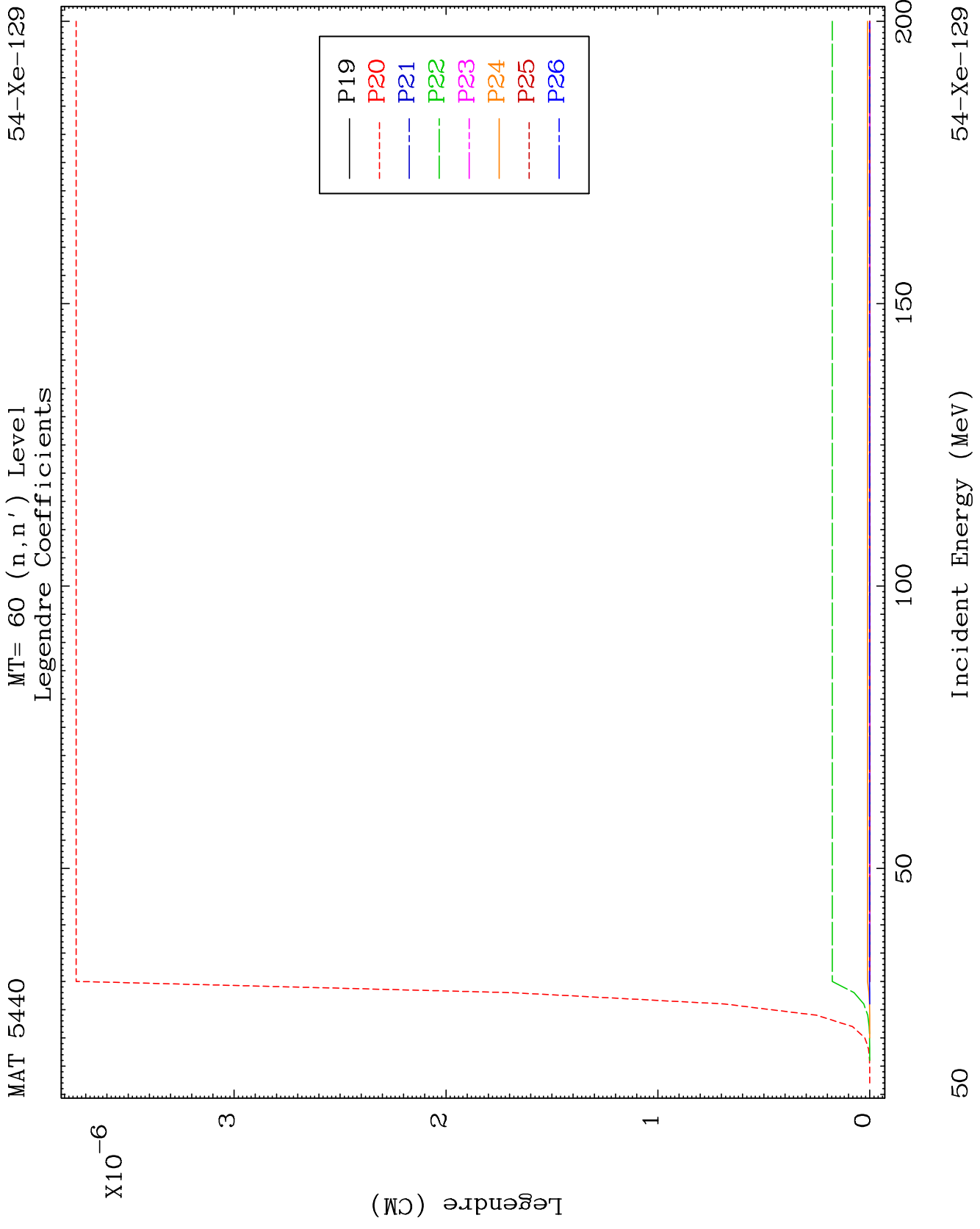
54-Xe-129



49

Incident Energy (MeV)

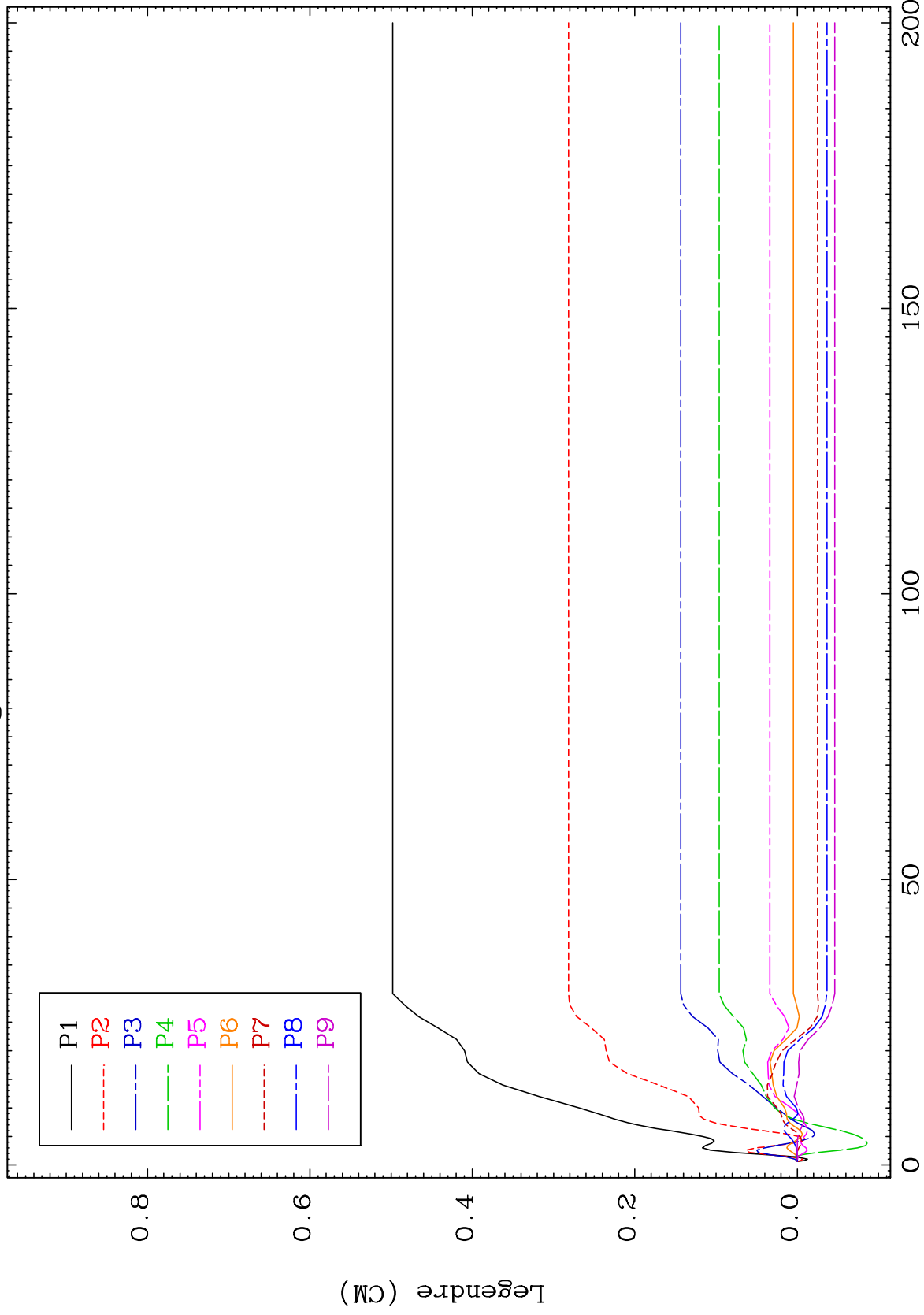
54-Xe-129



MAT 5440

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

54-Xe-129



51

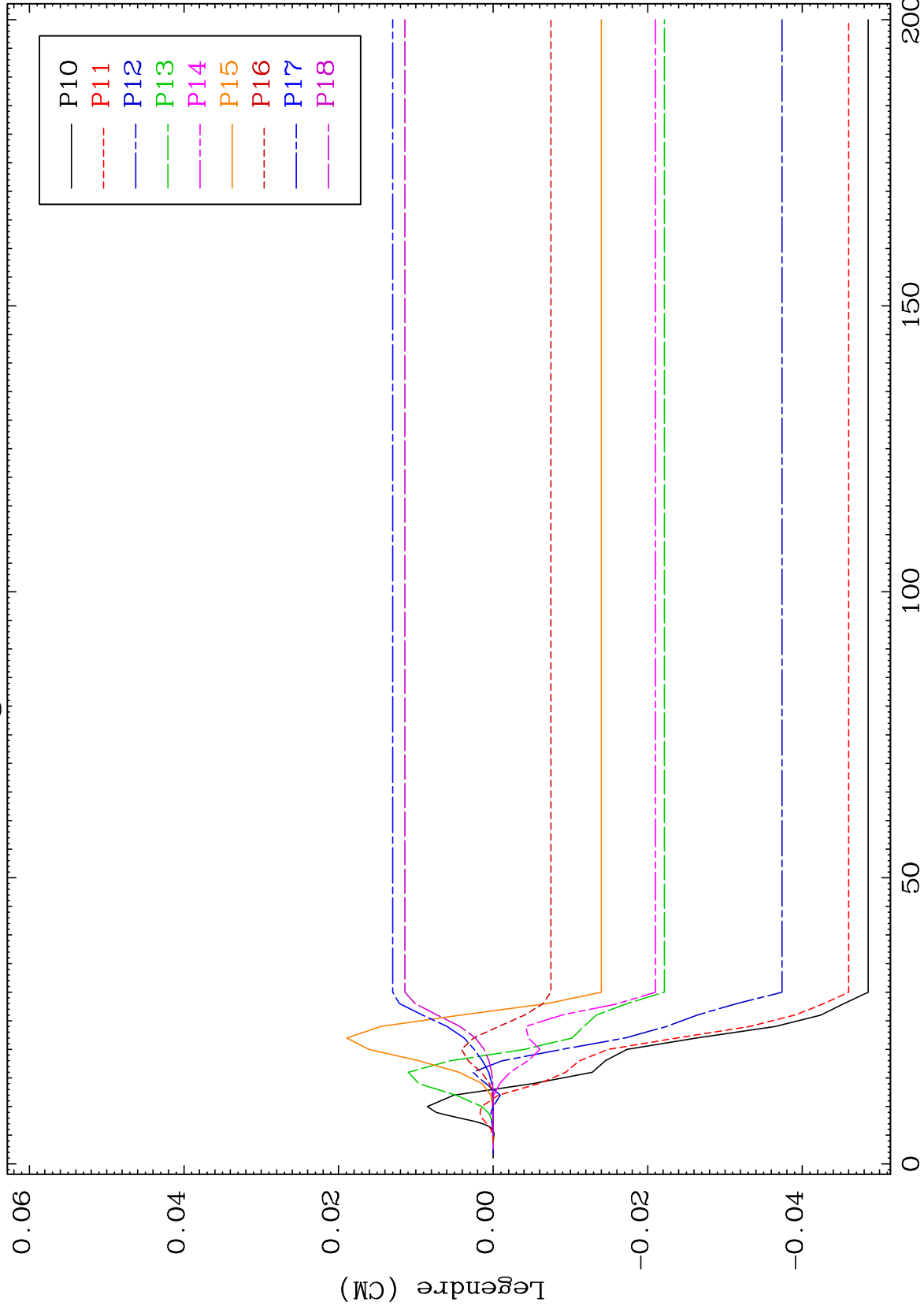
Incident Energy (MeV)

54-Xe-129

MAT 5440

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

54-Xe-129



52

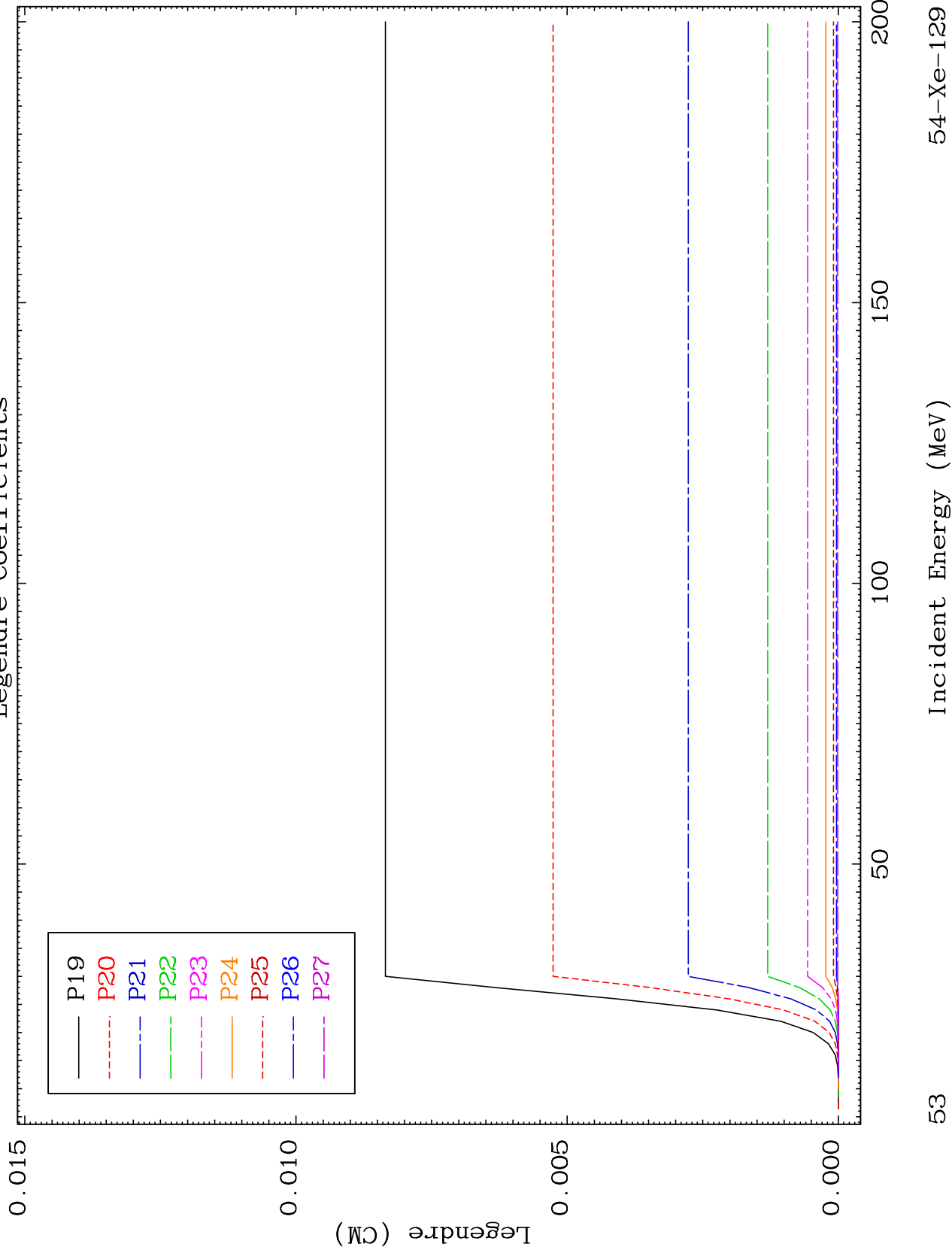
Incident Energy (MeV)

54-Xe-129

MAT 5440

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

54-Xe-129



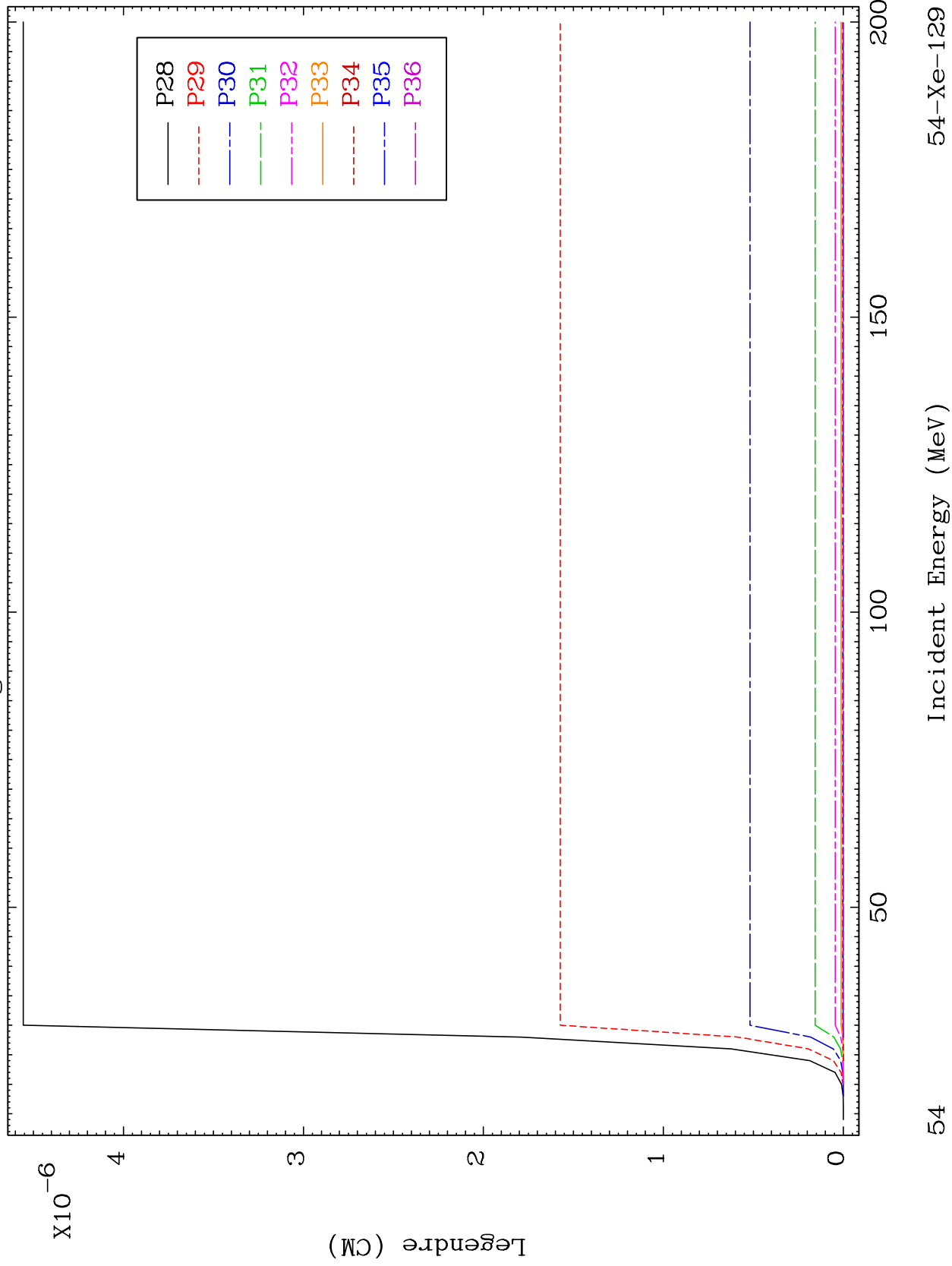
53

54-Xe-129

MAT 5440

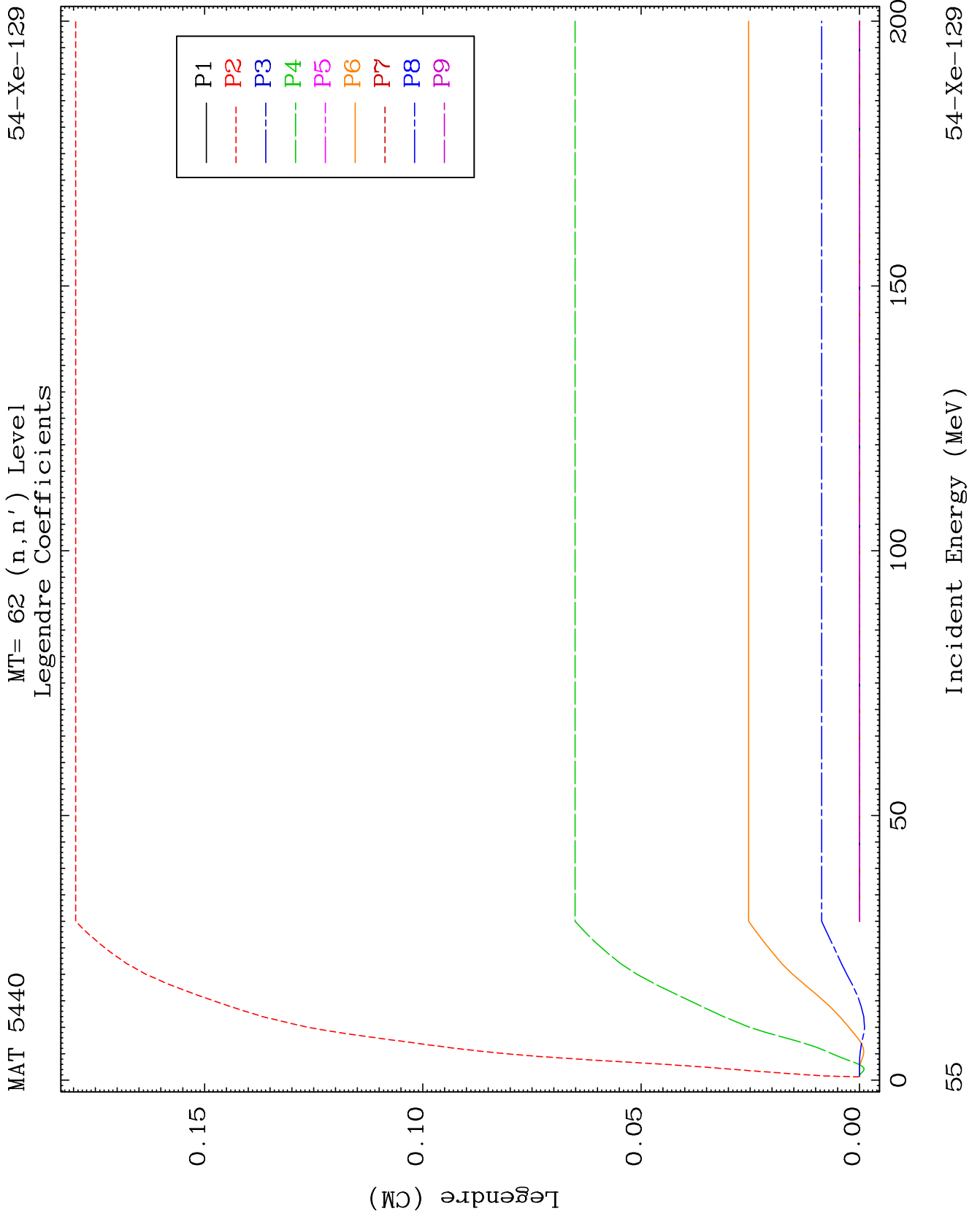
MT= 61 (n,n') Level  
Legendre Coefficients

54-Xe-129



54

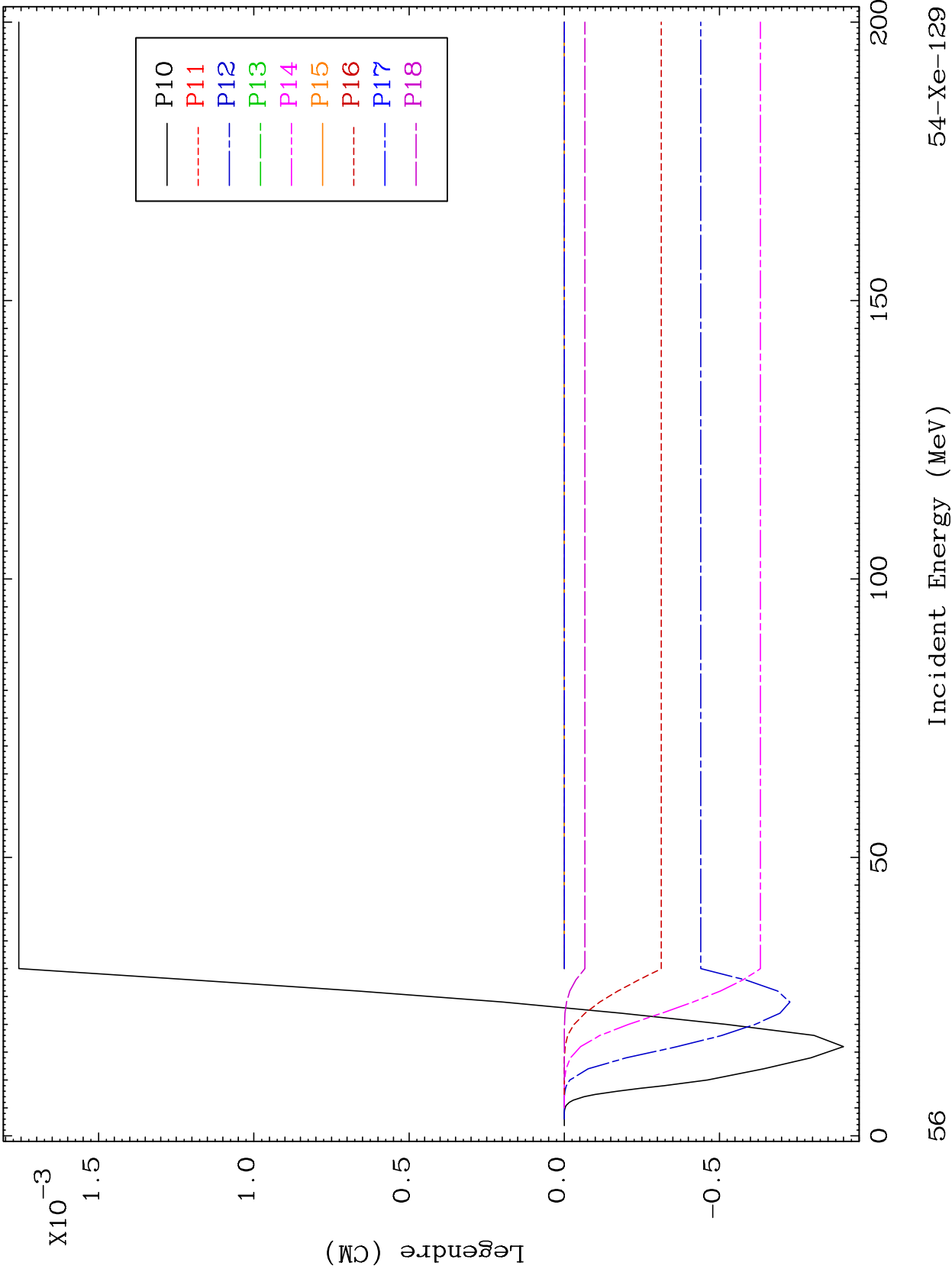
54-Xe-129



MAT 5440

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

54-Xe-129



56

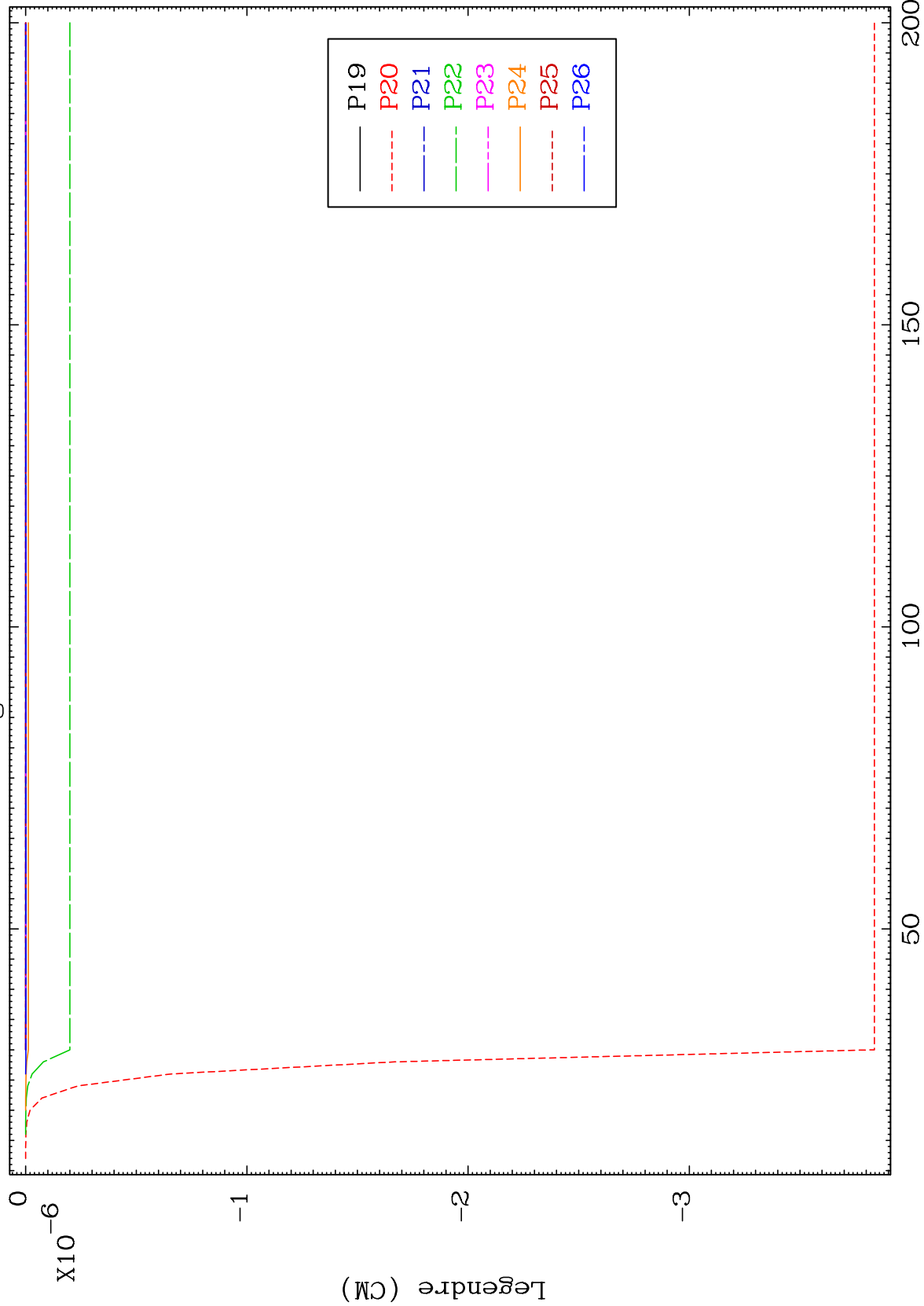
Incident Energy (MeV)

54-Xe-129

MAT 5440

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

54-Xe-129



54-Xe-129

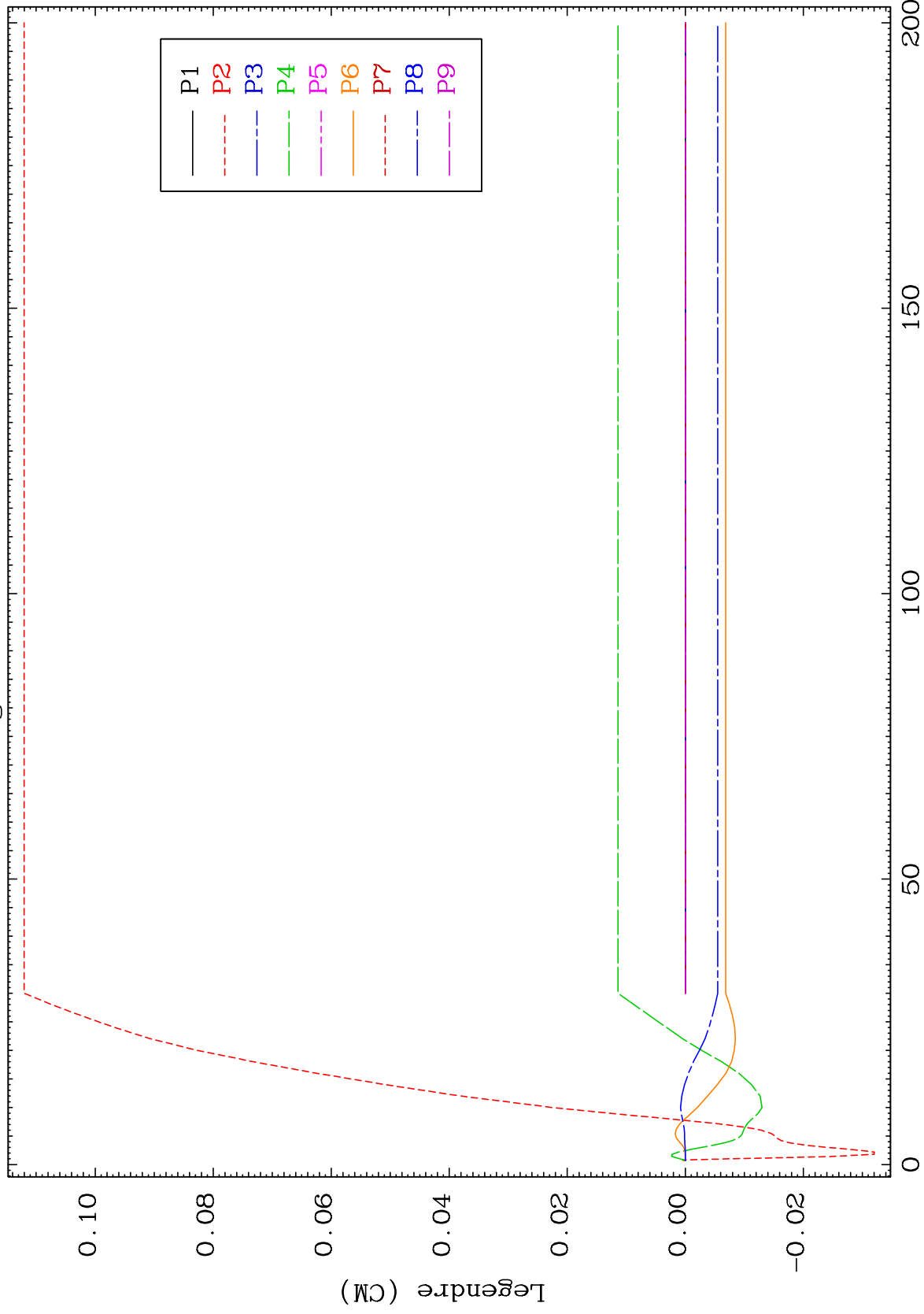
Incident Energy (MeV)

57

MAT 5440

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

54-Xe-129



54-Xe-129

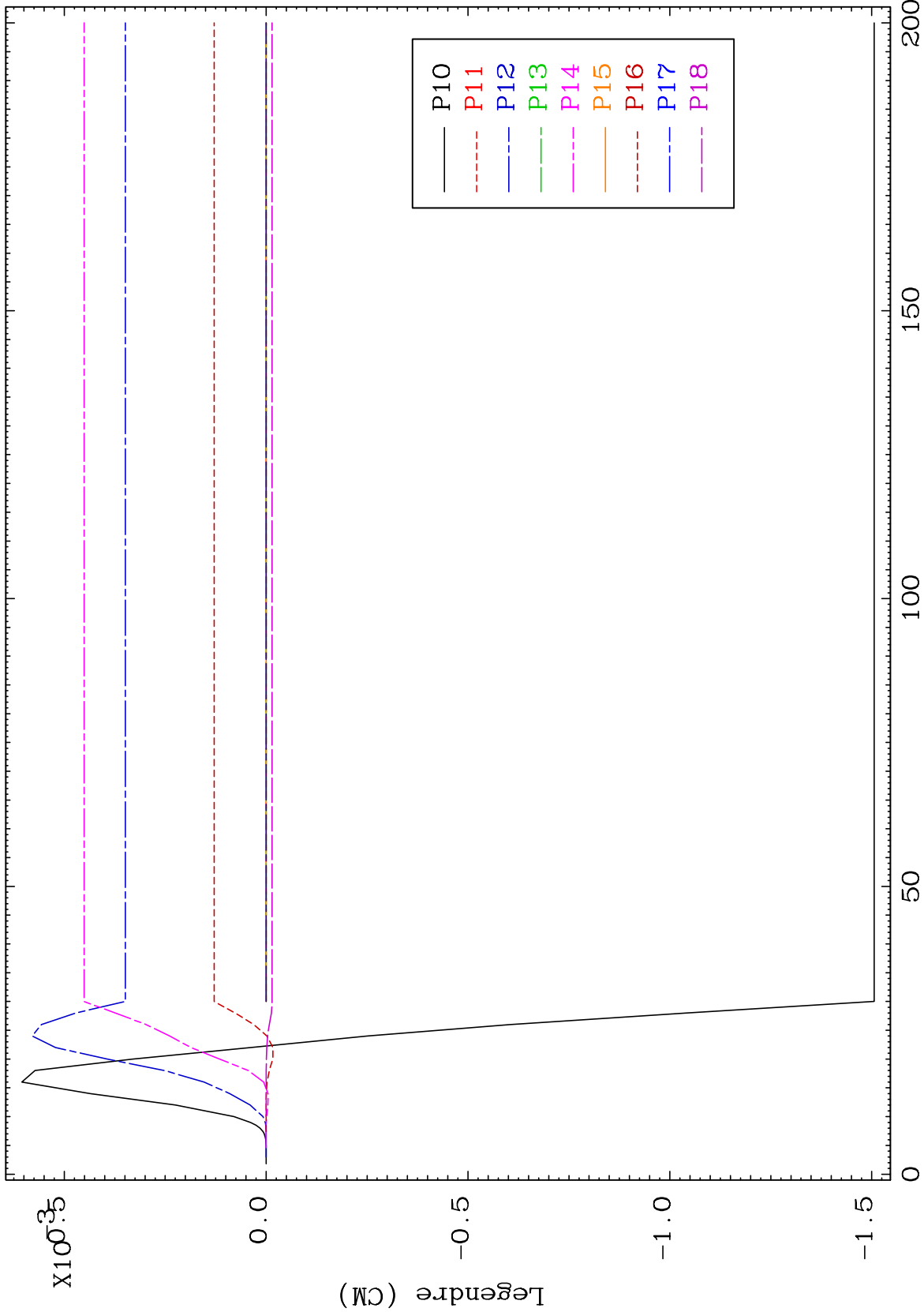
Incident Energy (MeV)

58

MAT 5440

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

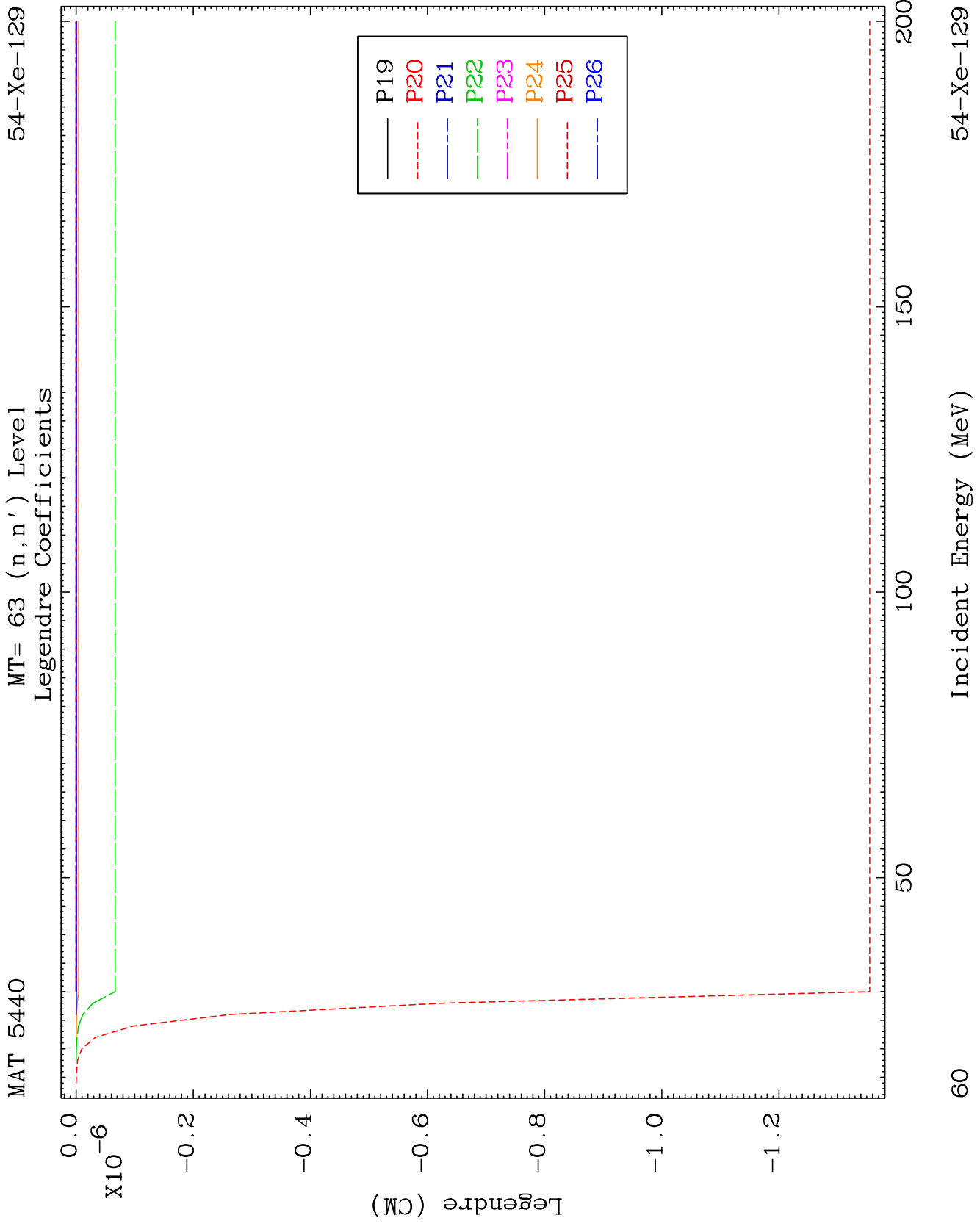
54-Xe-129



59

Incident Energy (MeV)

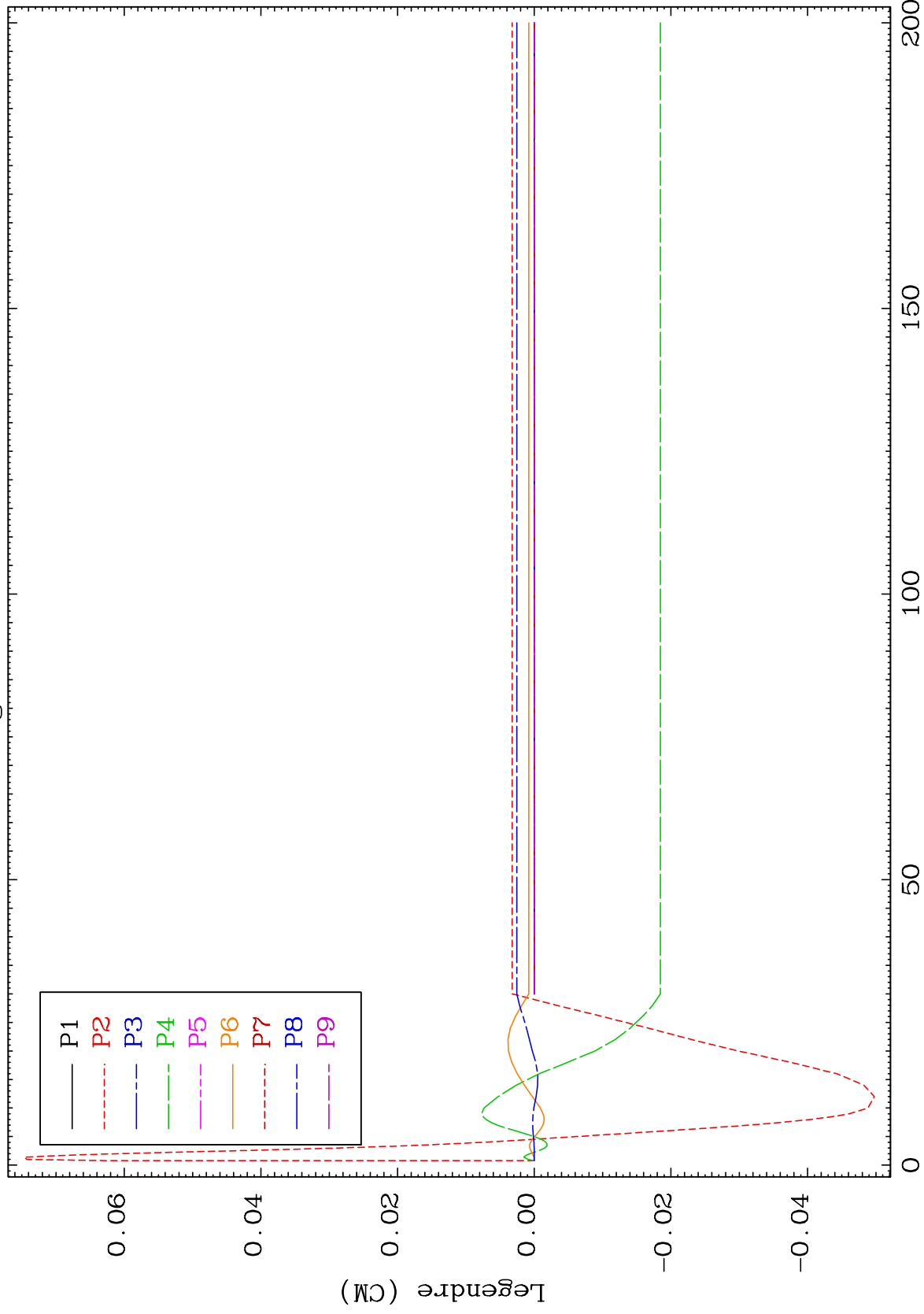
54-Xe-129



MAT 5440

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

54-Xe-129



61

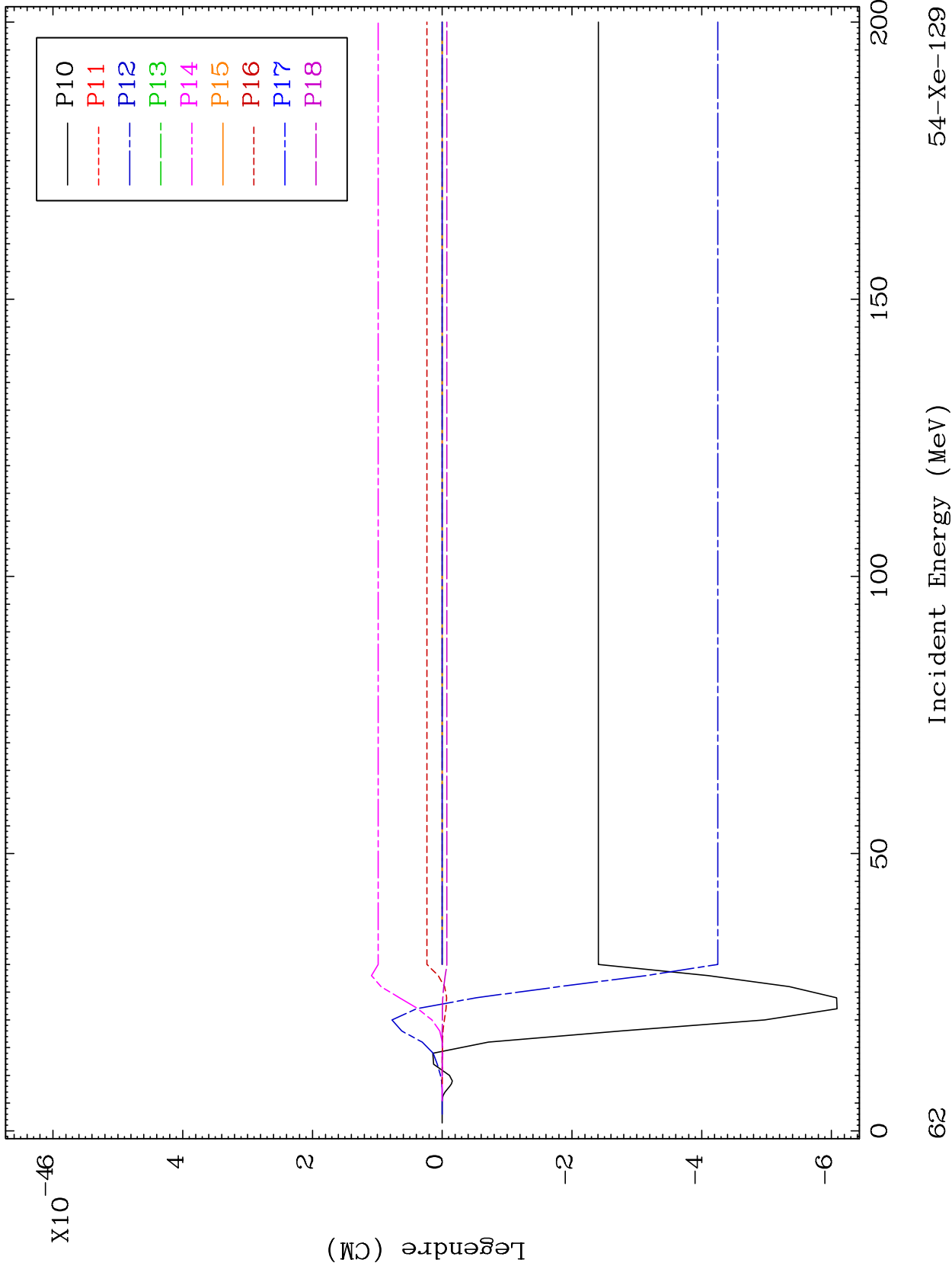
Incident Energy (MeV)

54-Xe-129

MAT 5440

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

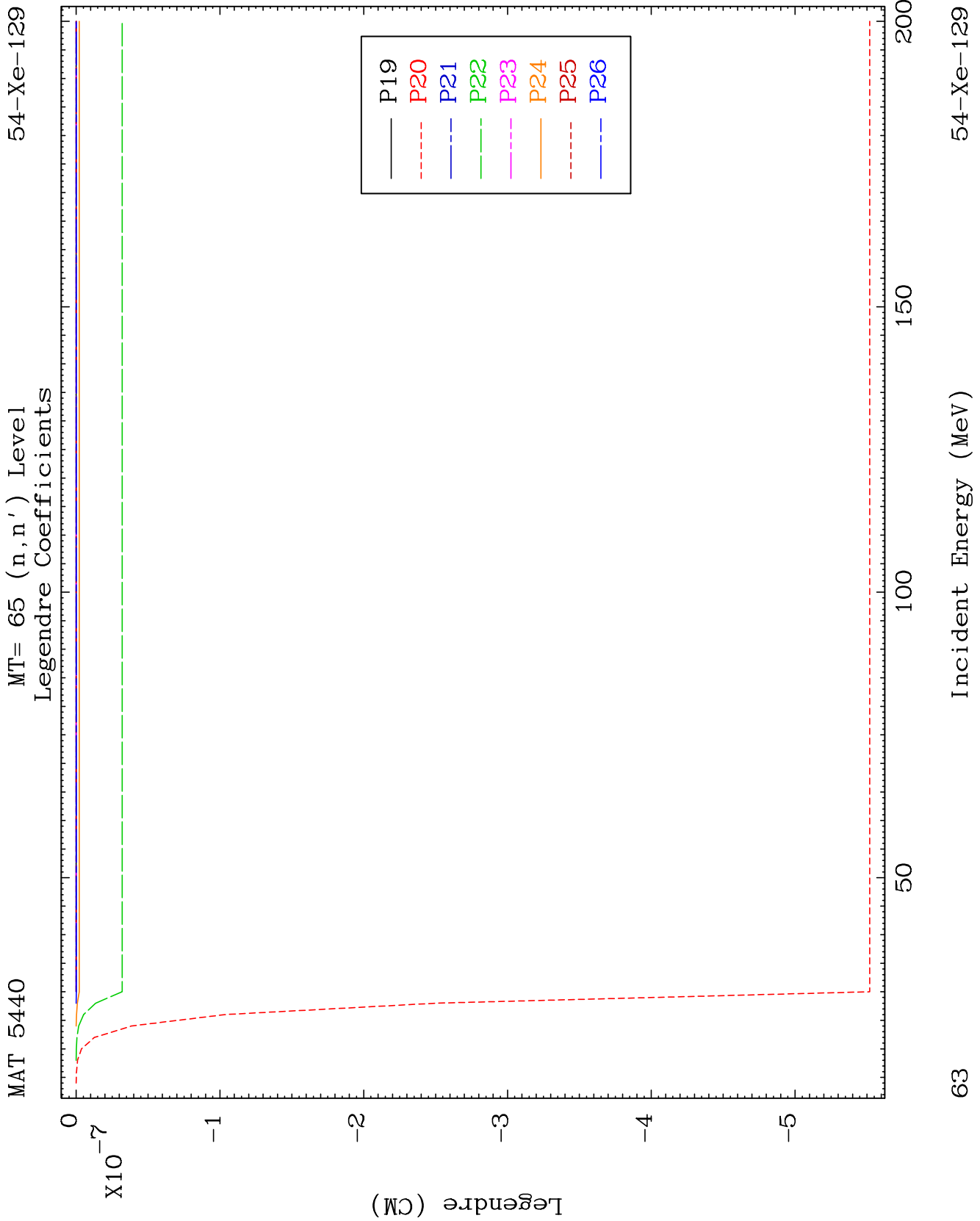
54-Xe-129



62

Incident Energy (MeV)

54-Xe-129

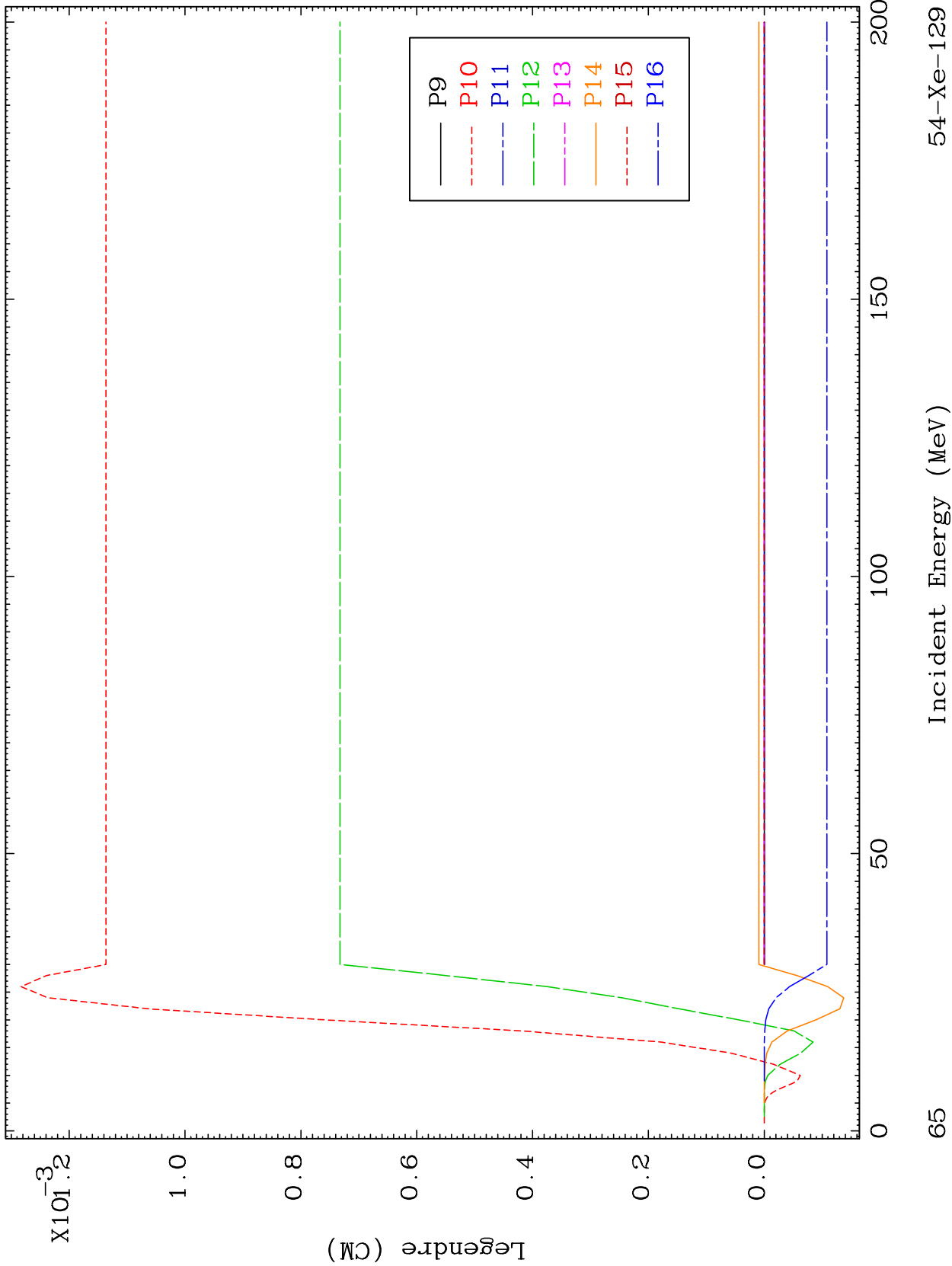


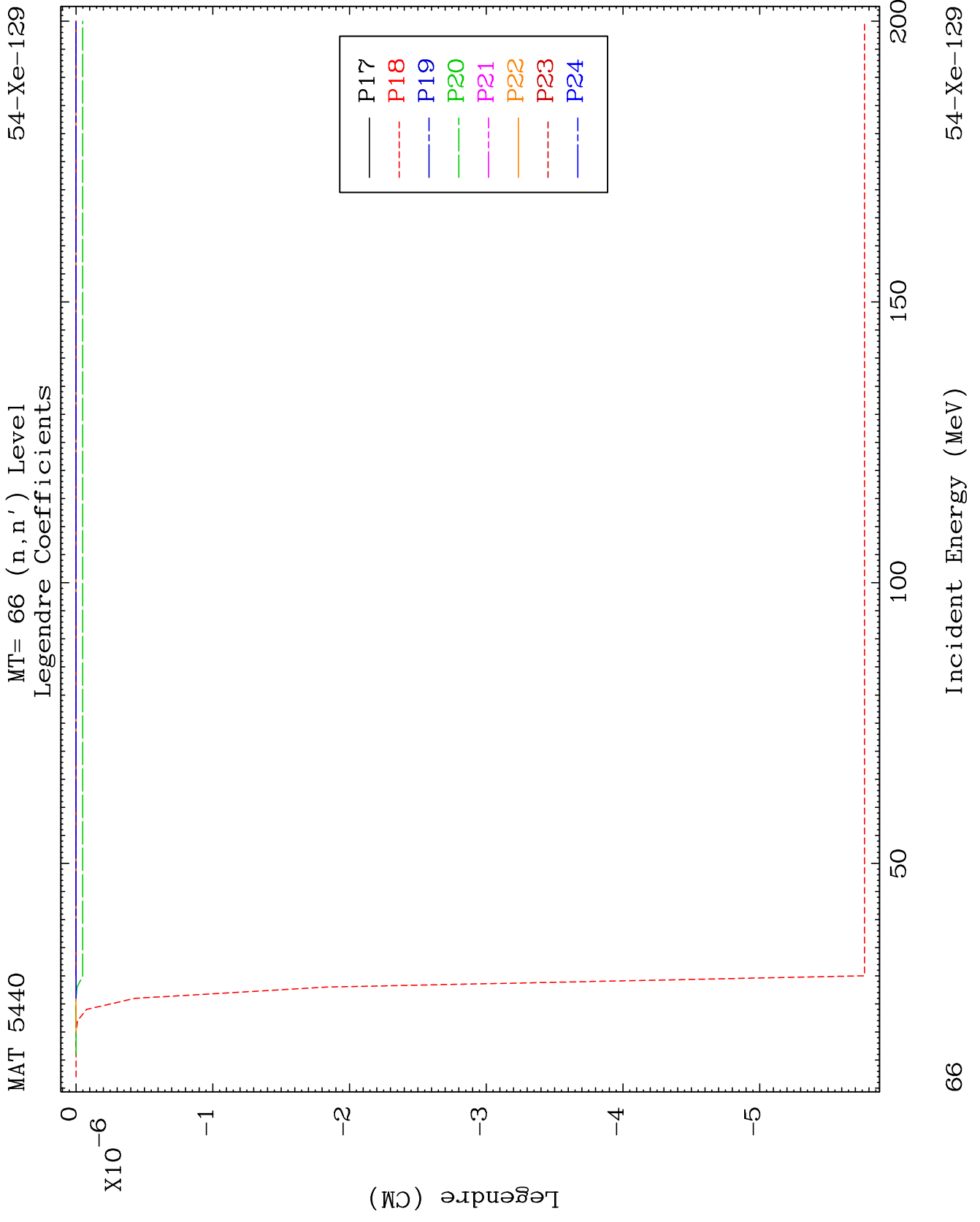


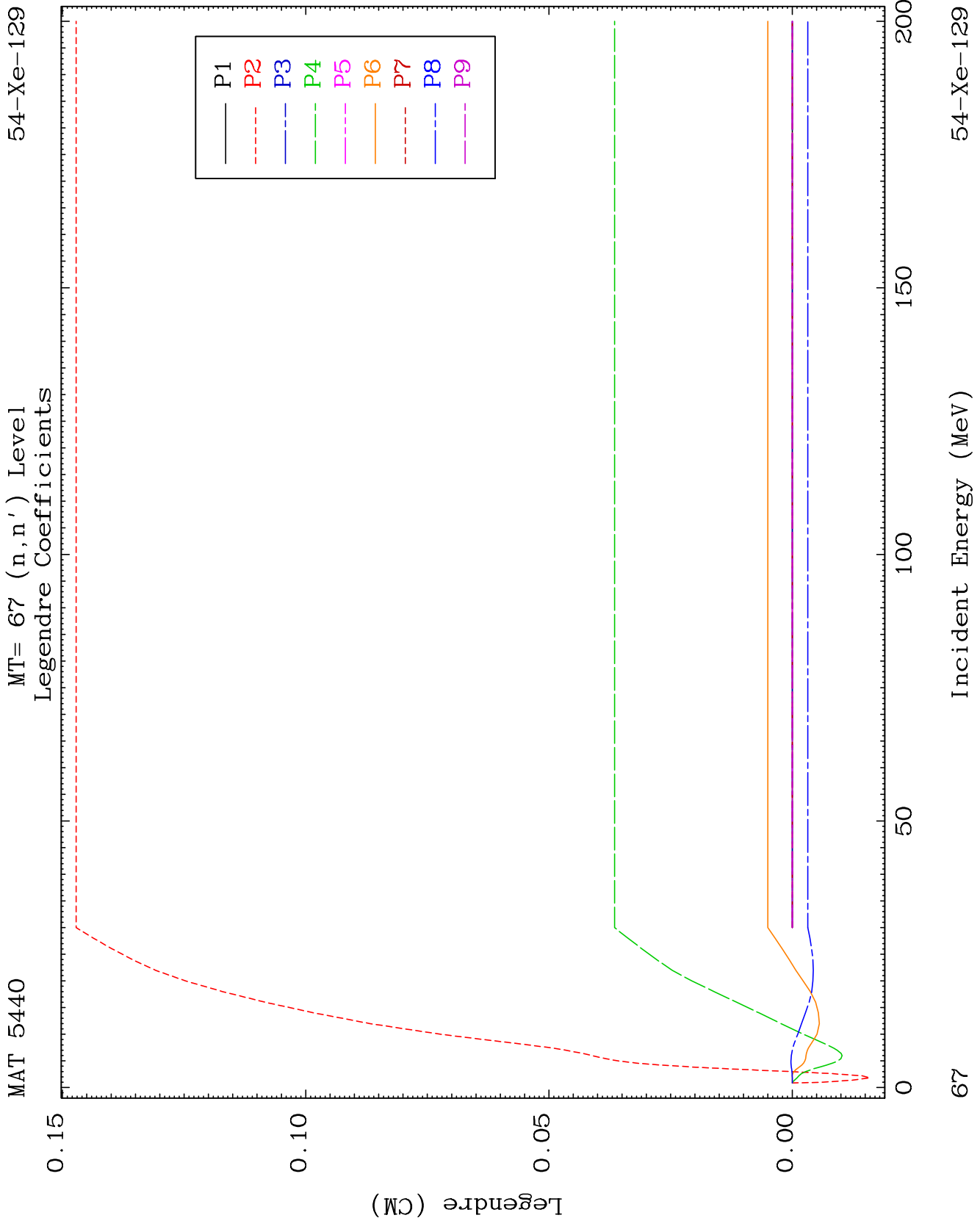
MAT 5440

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

54-Xe-129



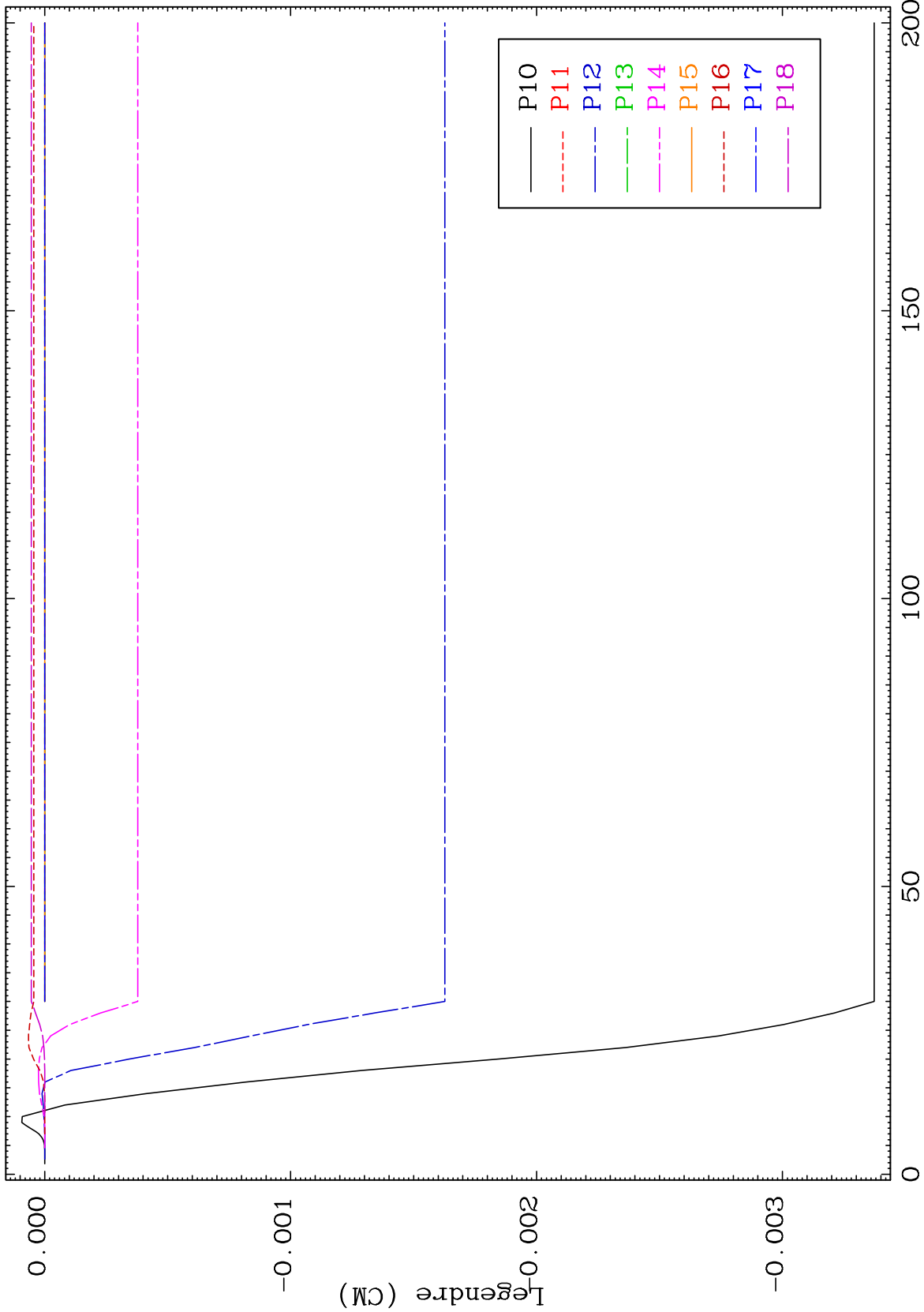




MAT 5440

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

54-Xe-129



68

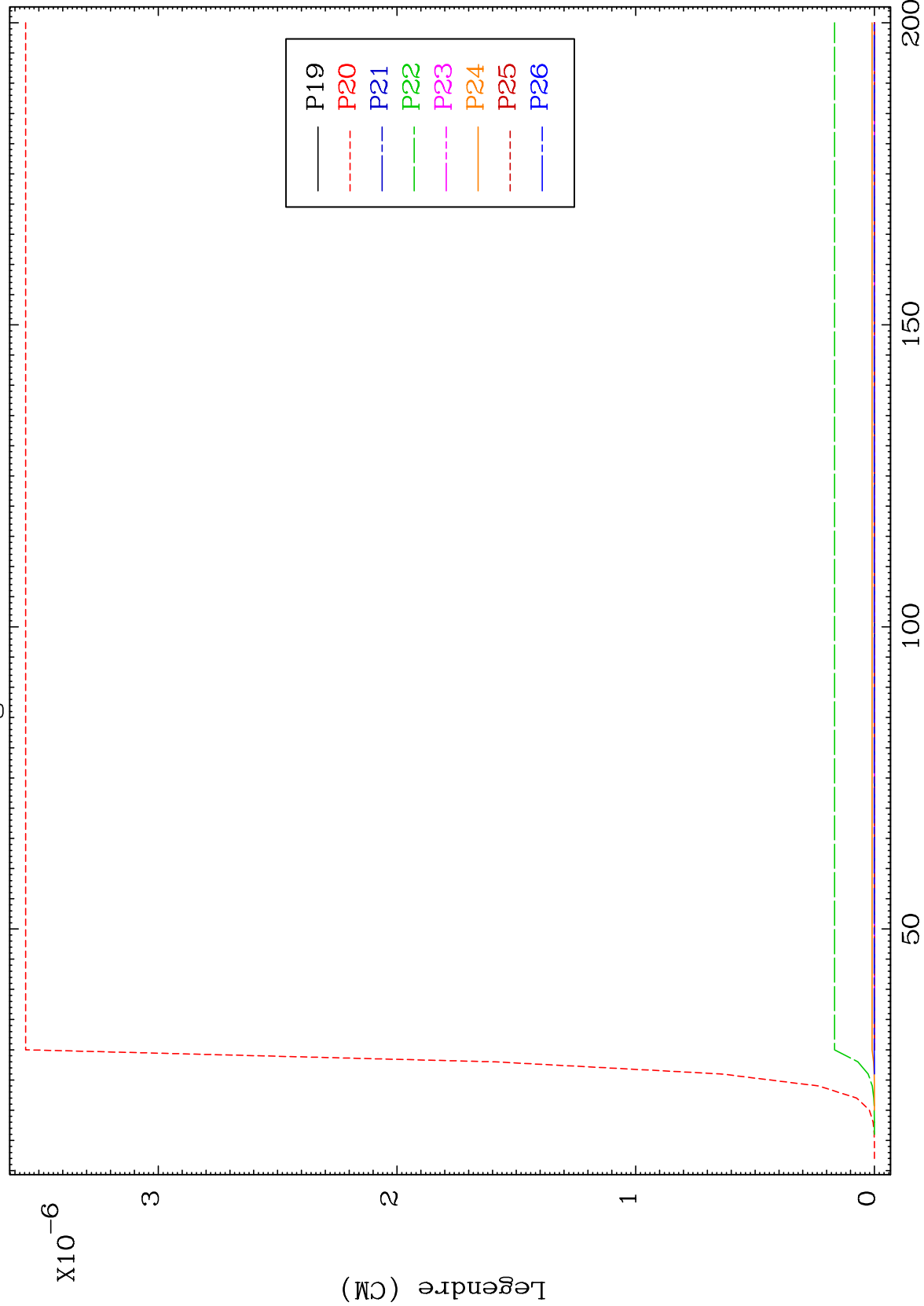
Incident Energy (MeV)

54-Xe-129

MAT 5440

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

54-Xe-129



54-Xe-129

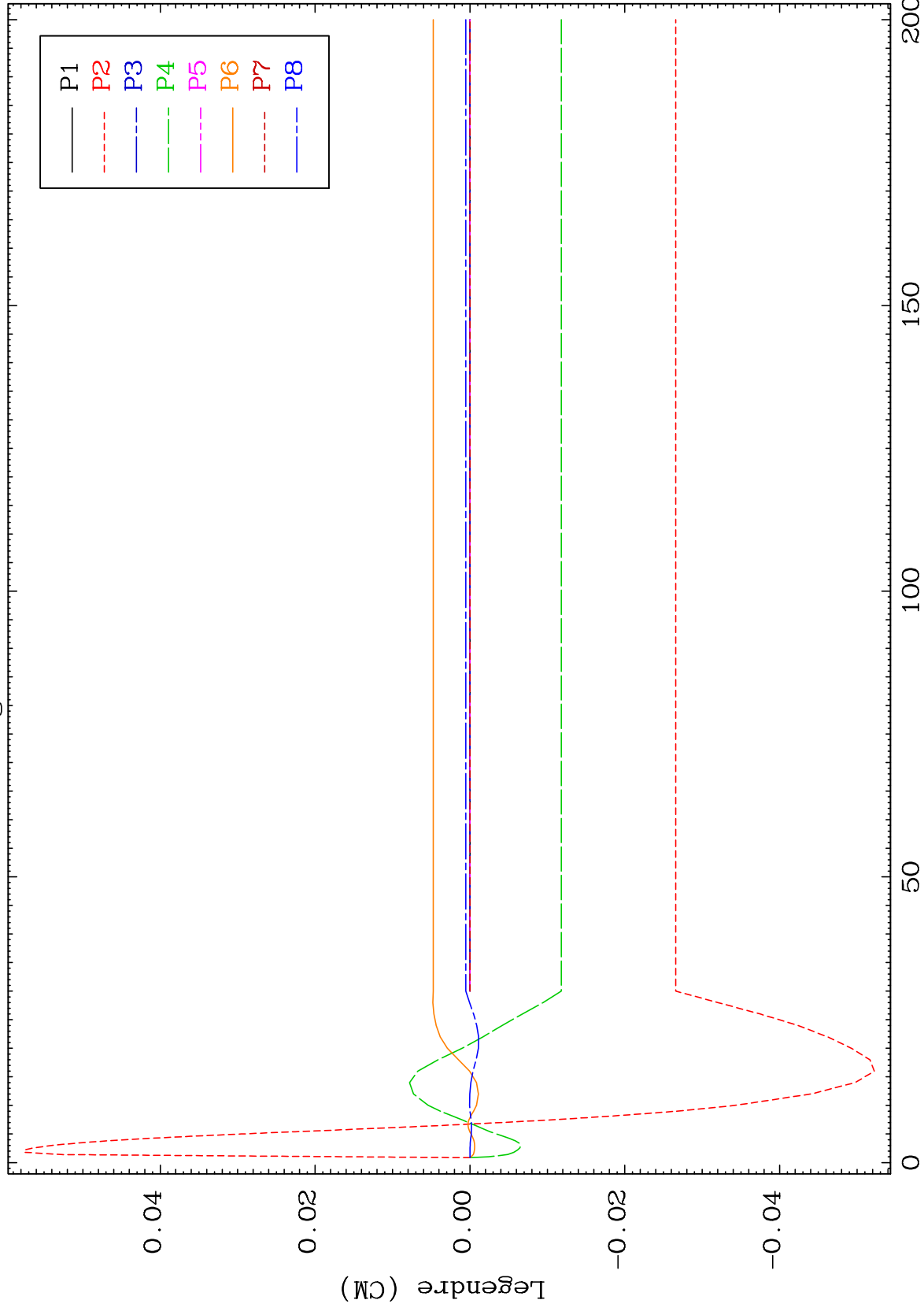
Incident Energy (MeV)

69

MAT 5440

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

54-Xe-129



54-Xe-129

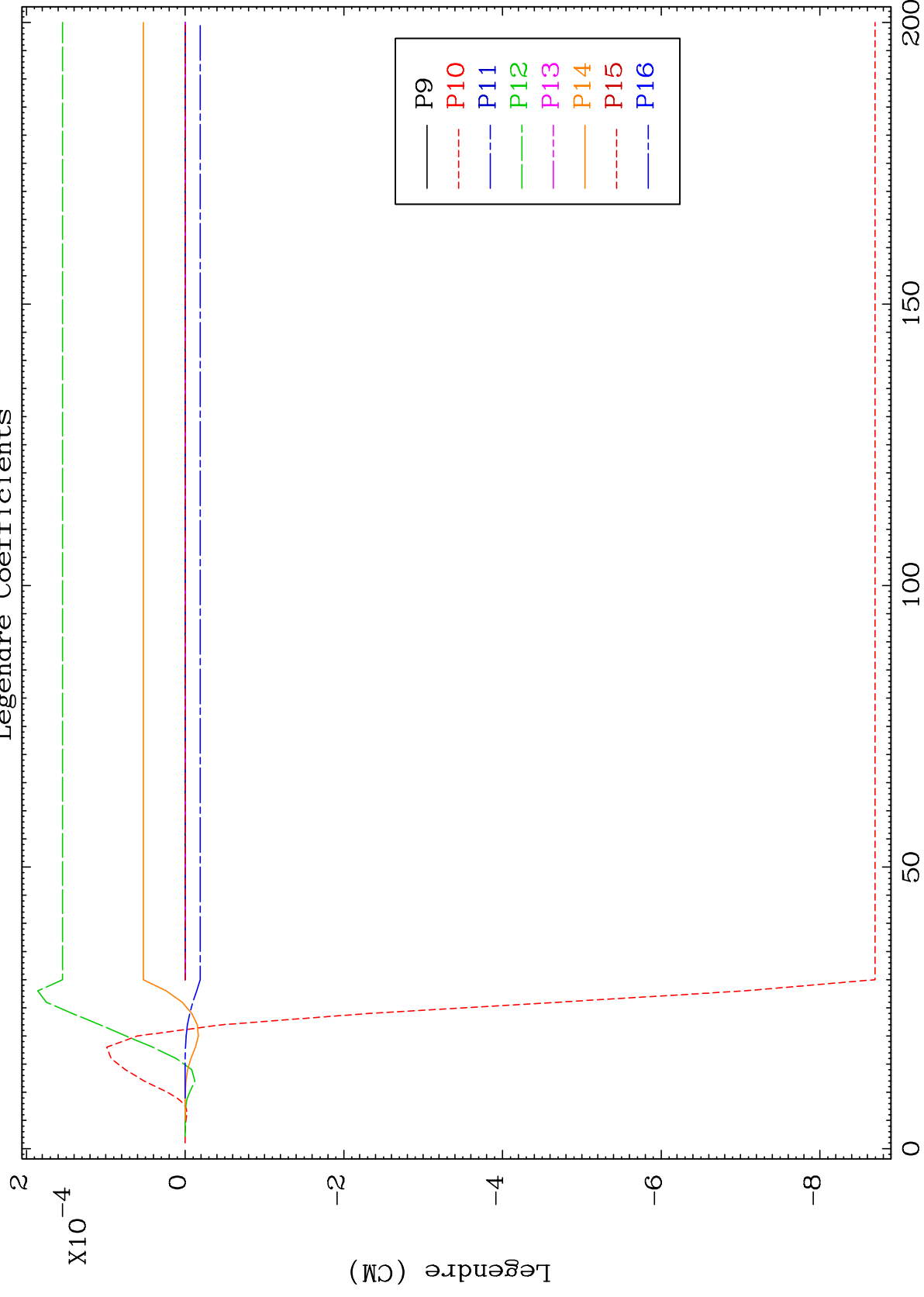
Incident Energy (MeV)

70

MAT 5440

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

54-Xe-129



71

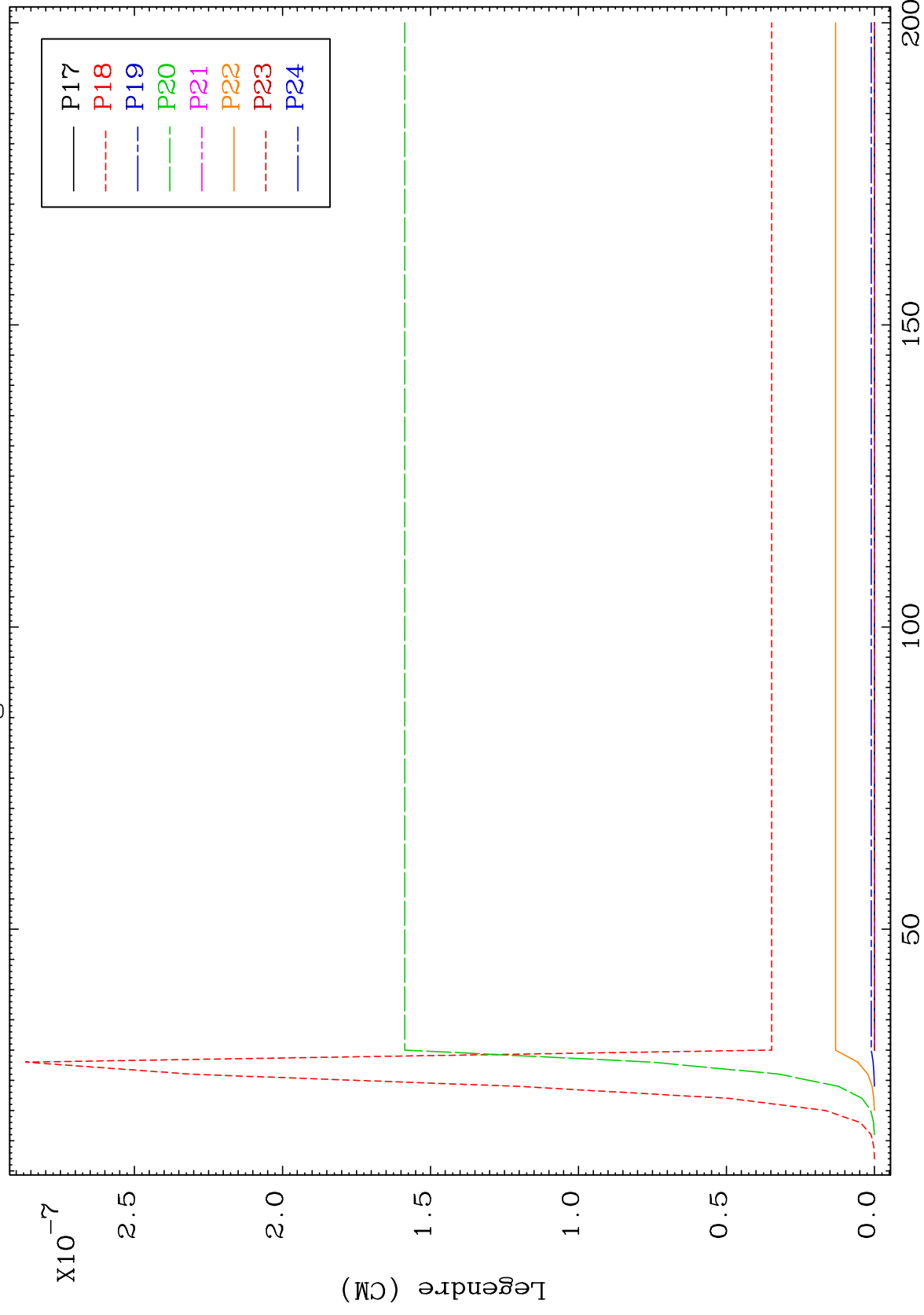
Incident Energy (MeV)

54-Xe-129

MAT 5440

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

54-Xe-129



72

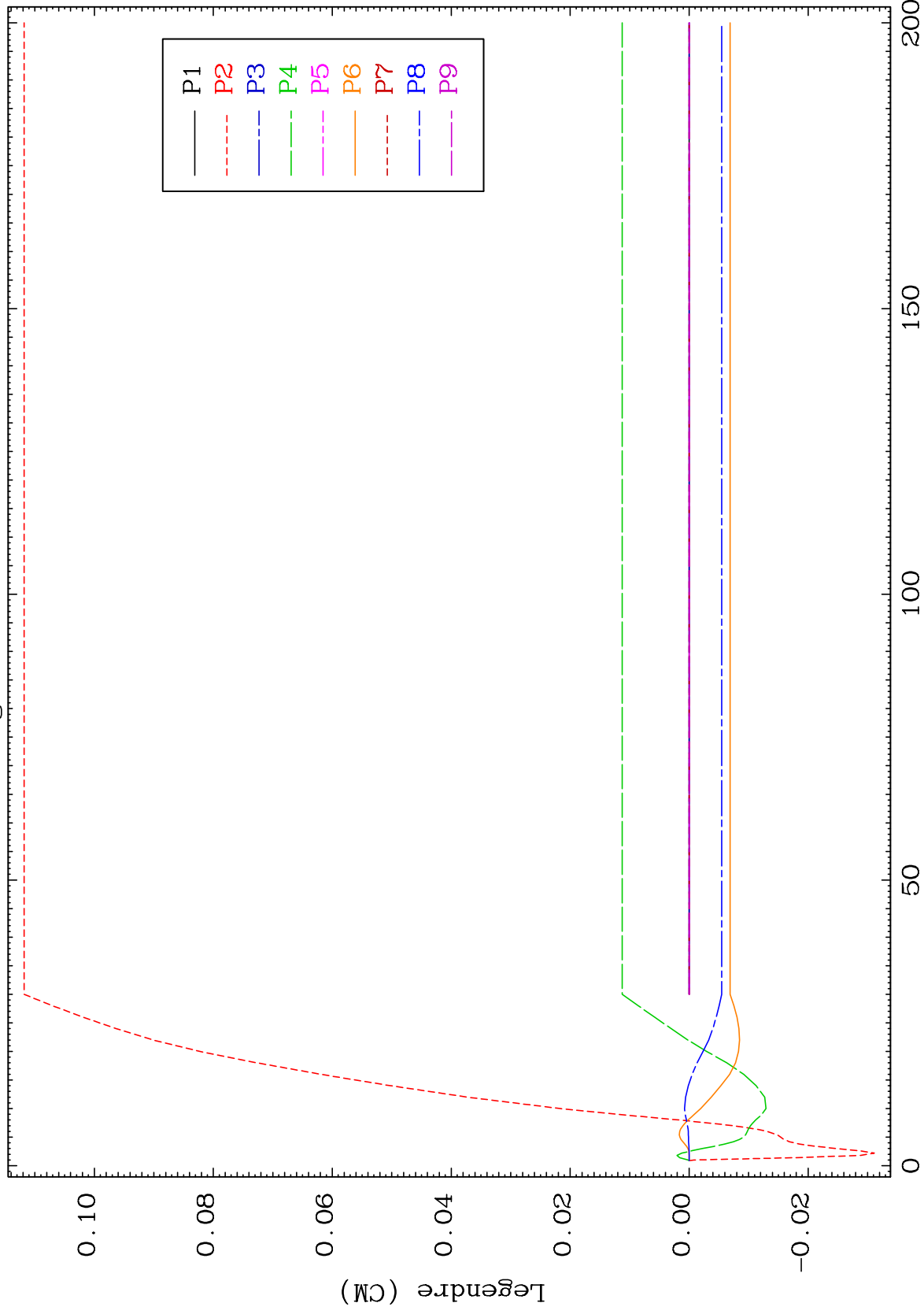
Incident Energy (MeV)

54-Xe-129

MAT 5440

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

54-Xe-129



54-Xe-129

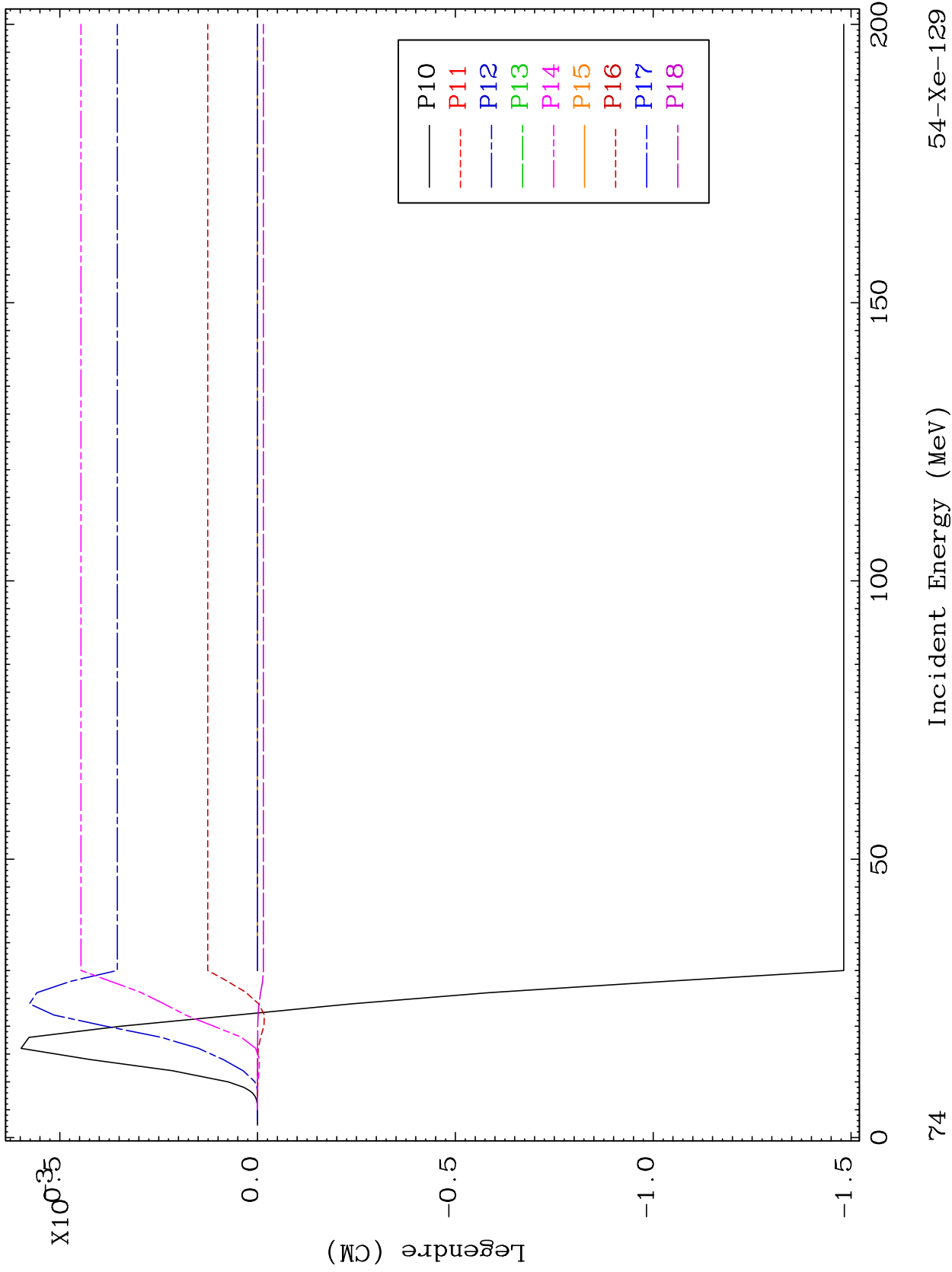
Incident Energy (MeV)

73

MAT 5440

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

54-Xe-129



74

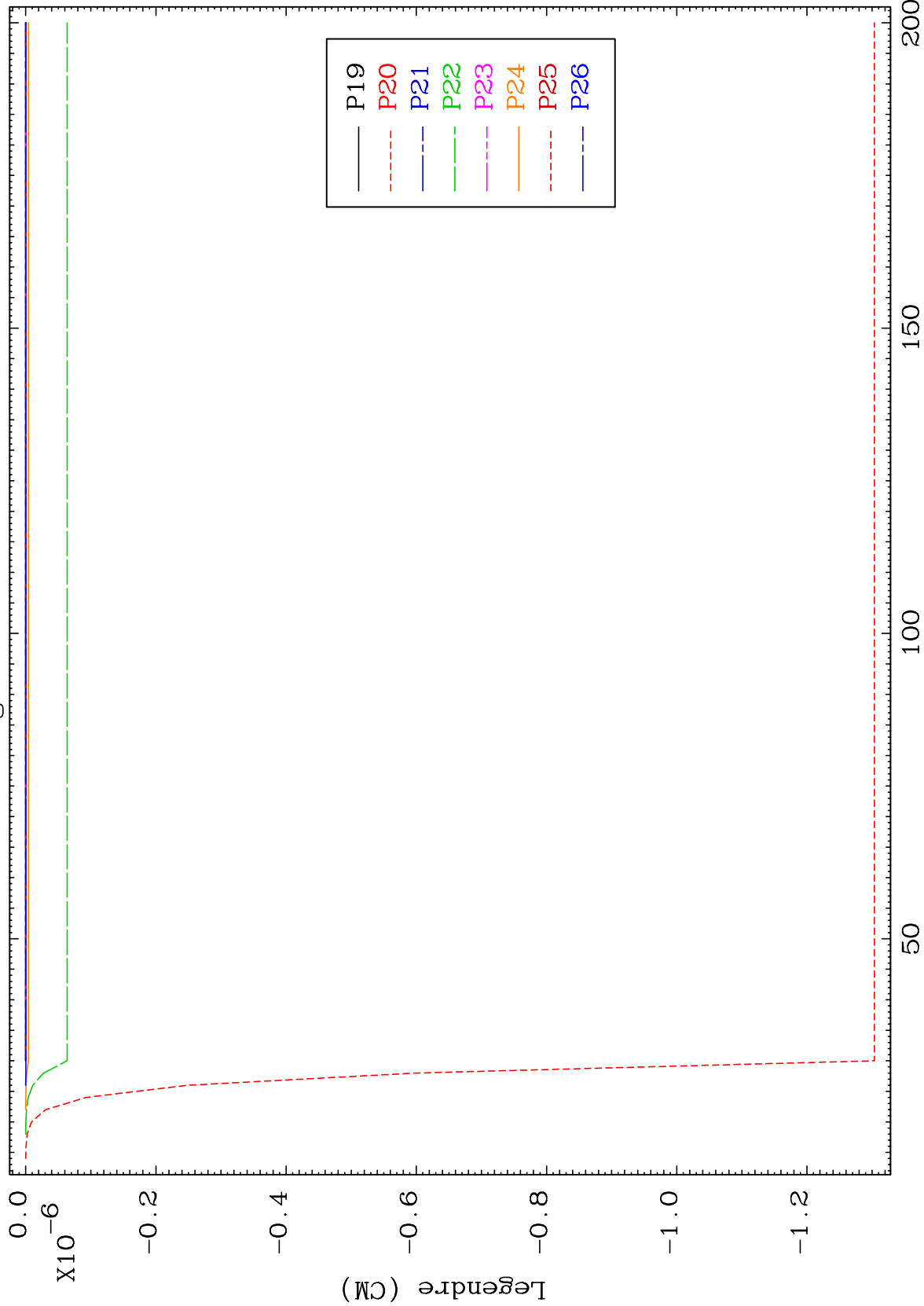
Incident Energy (MeV)

54-Xe-129

MAT 5440

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

54-Xe-129



54-Xe-129

Incident Energy (MeV)

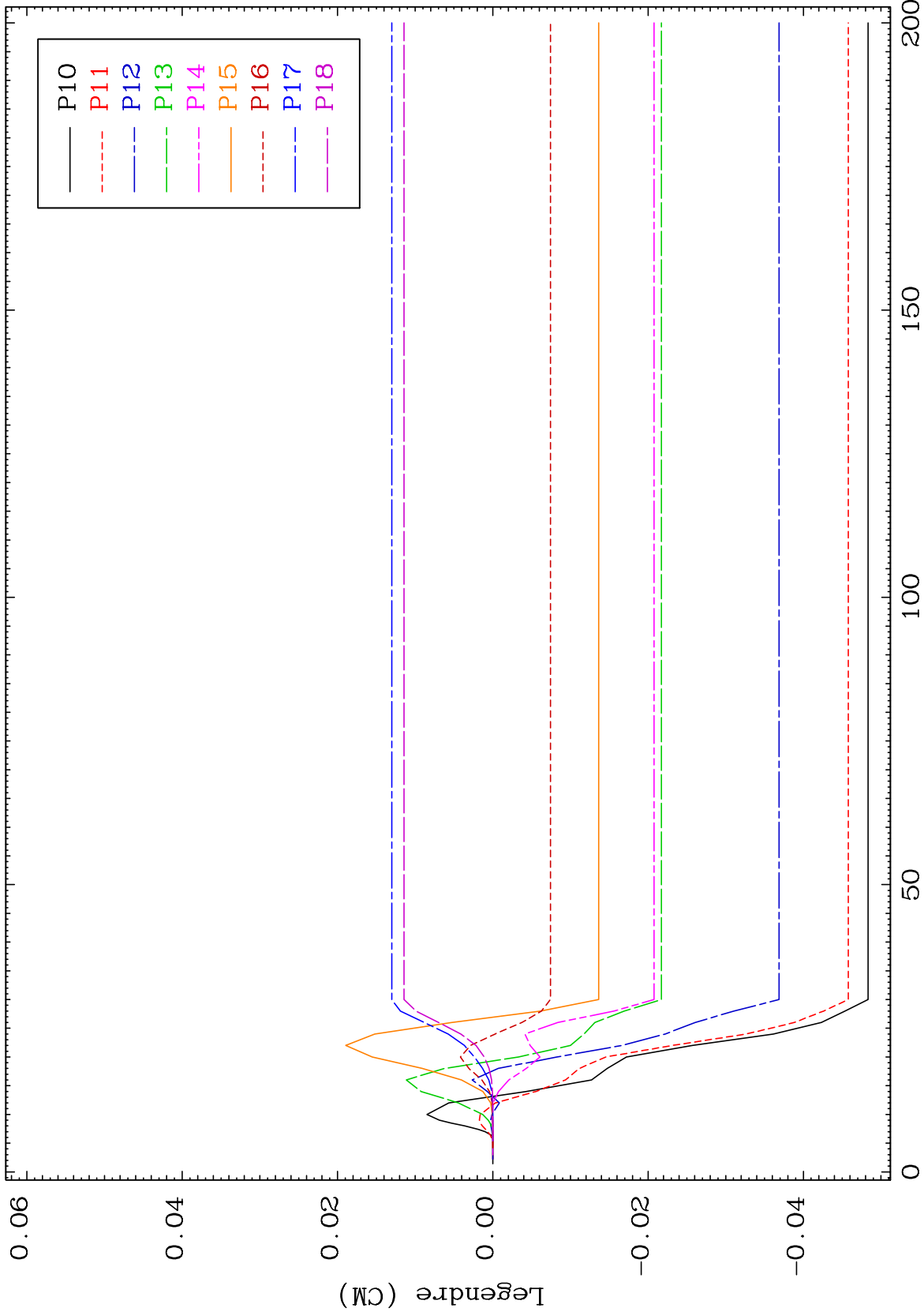
75



MAT 5440

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

54-Xe-129



77

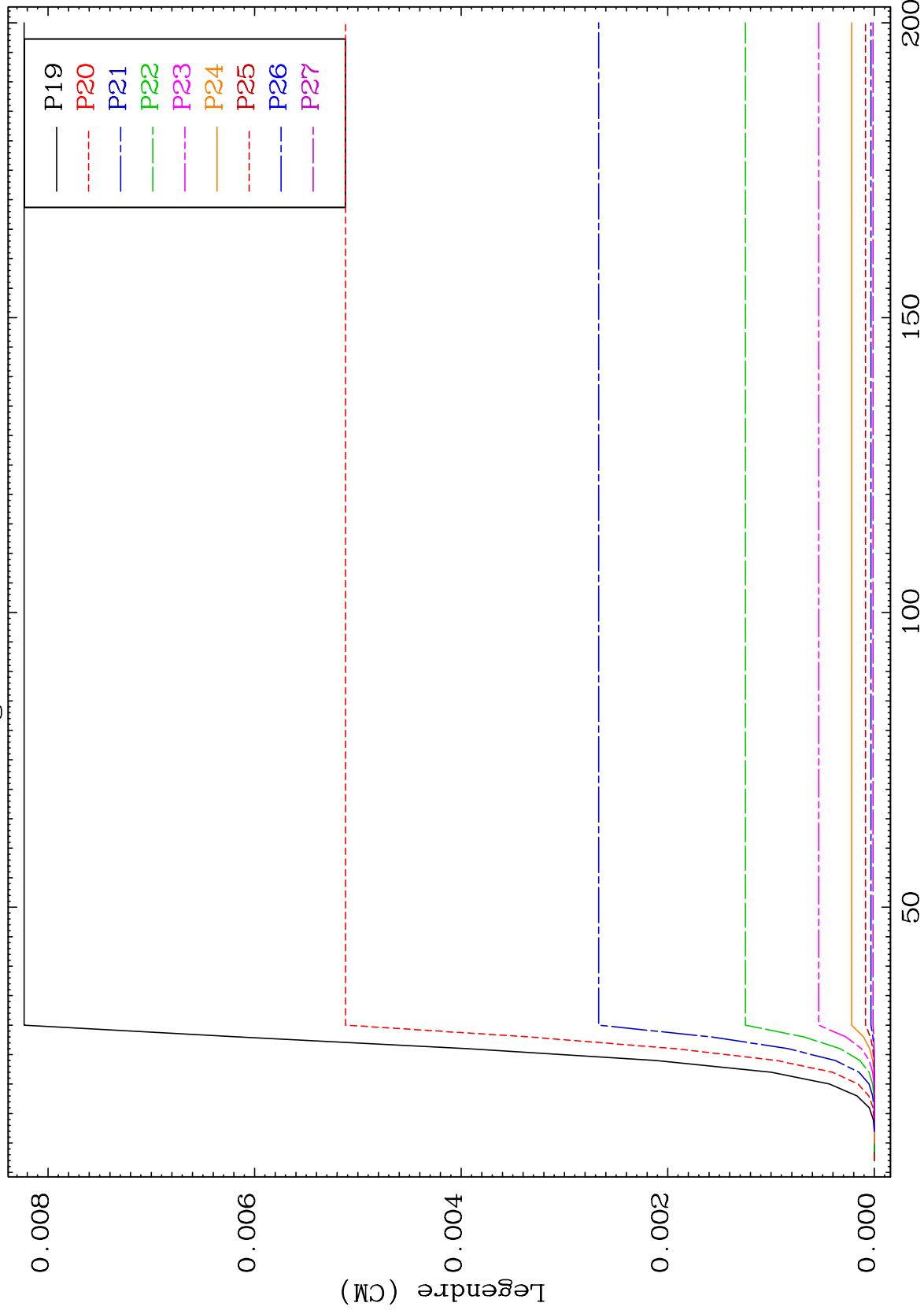
Incident Energy (MeV)

54-Xe-129

MAT 5440

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

54-Xe-129



78

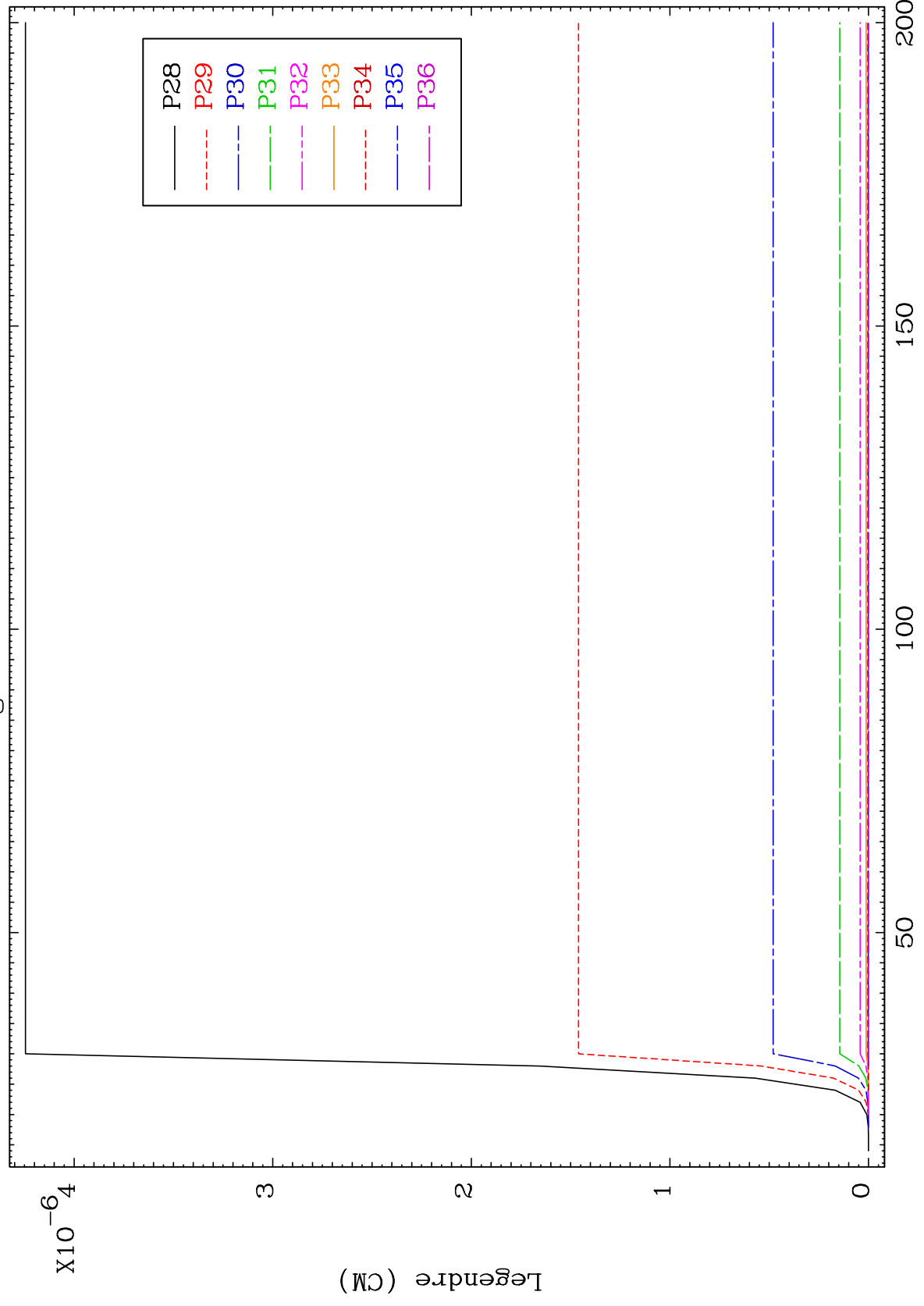
Incident Energy (MeV)

54-Xe-129

MAT 5440

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

54-Xe-129



79

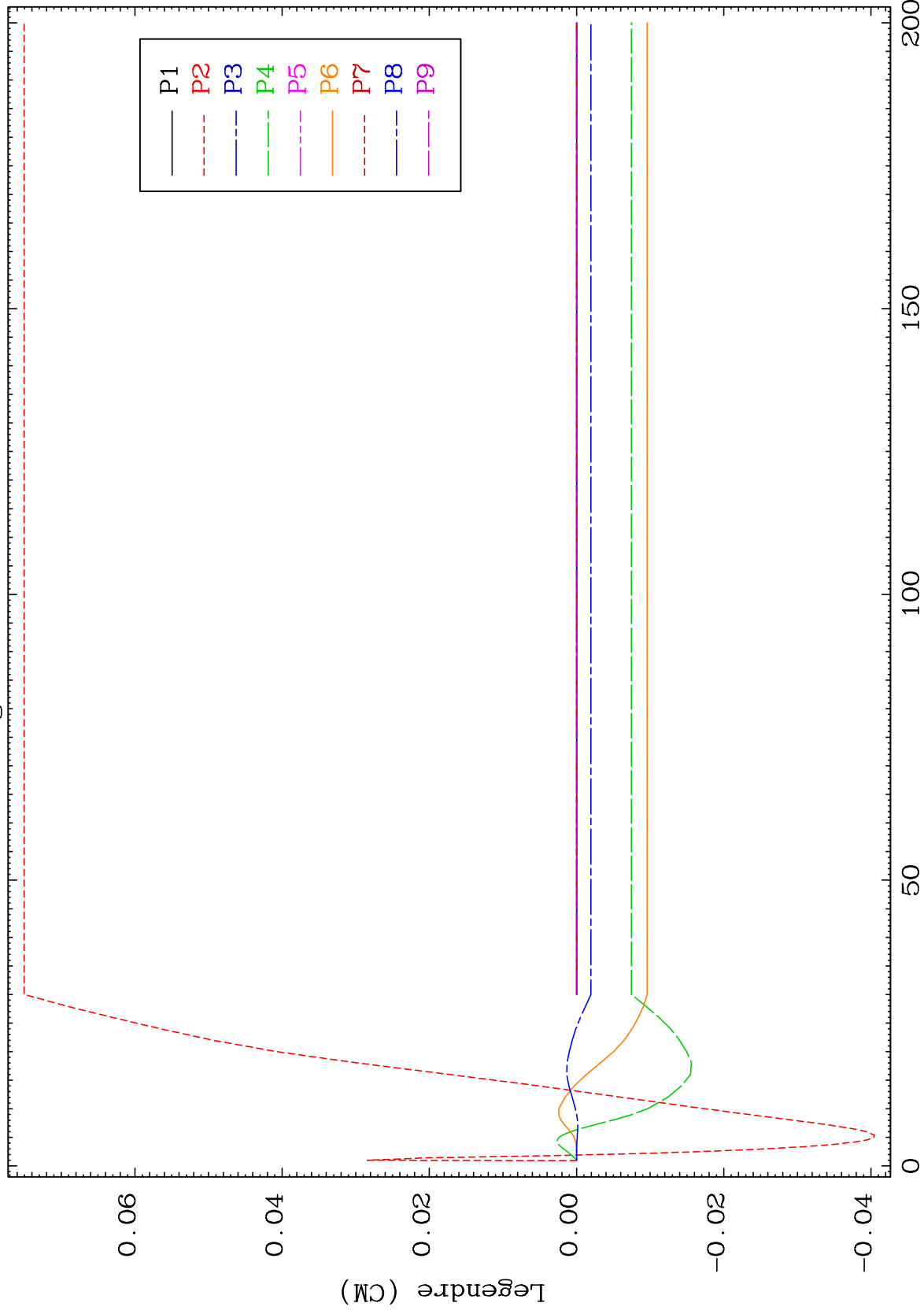
Incident Energy (MeV)

54-Xe-129

MAT 5440

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

54-Xe-129



54-Xe-129

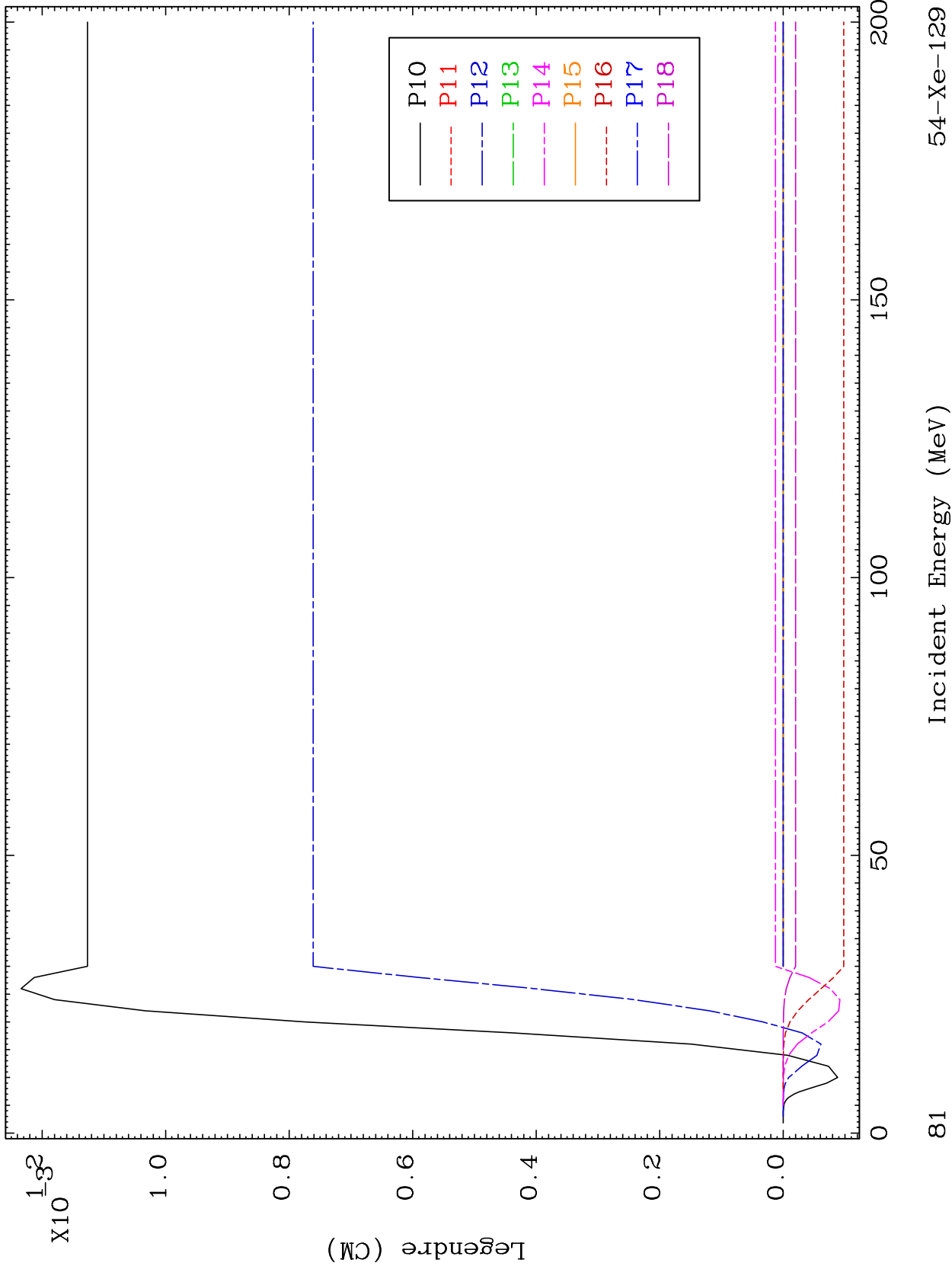
Incident Energy (MeV)

80

MAT 5440

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

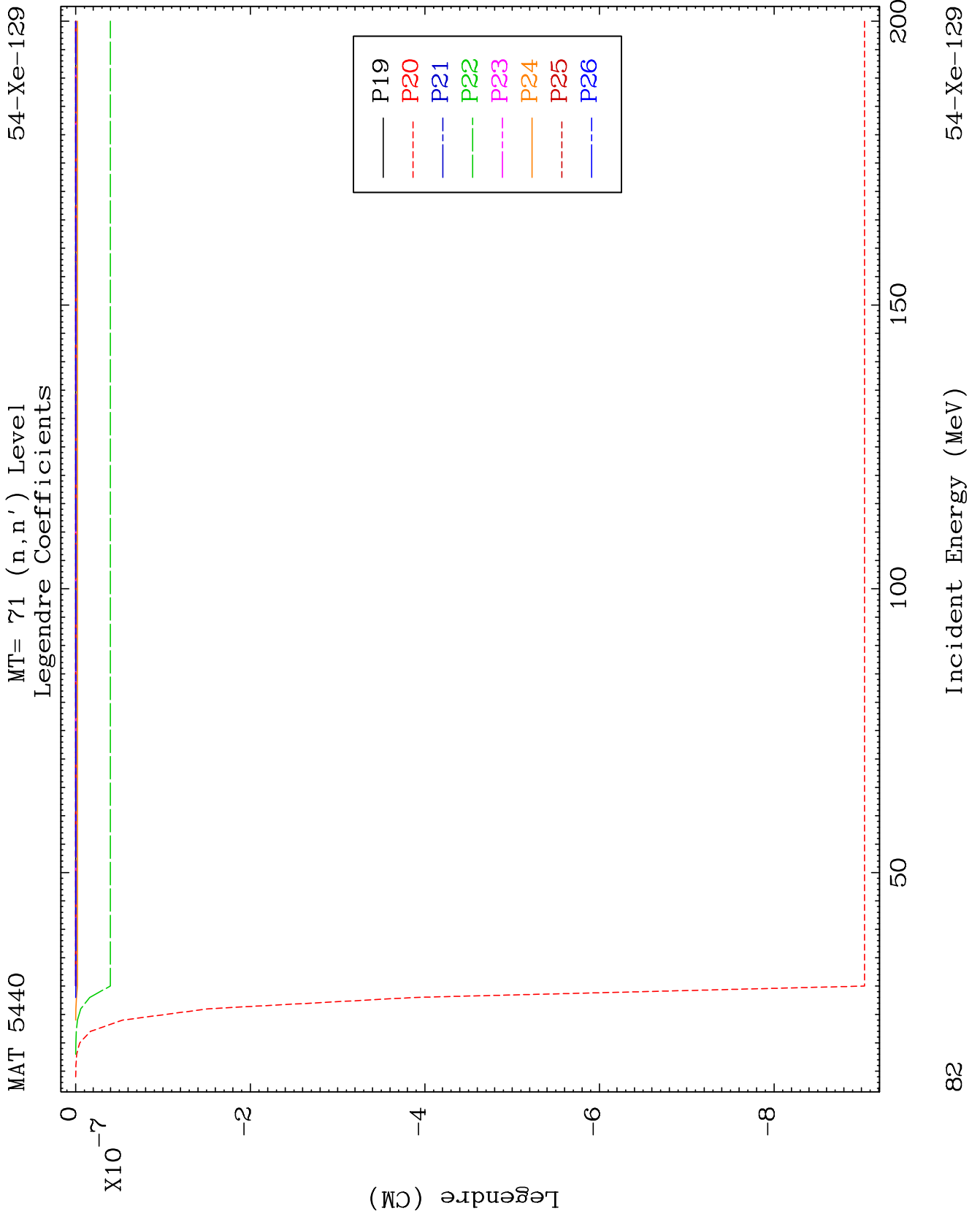
54-Xe-129



81

Incident Energy (MeV)

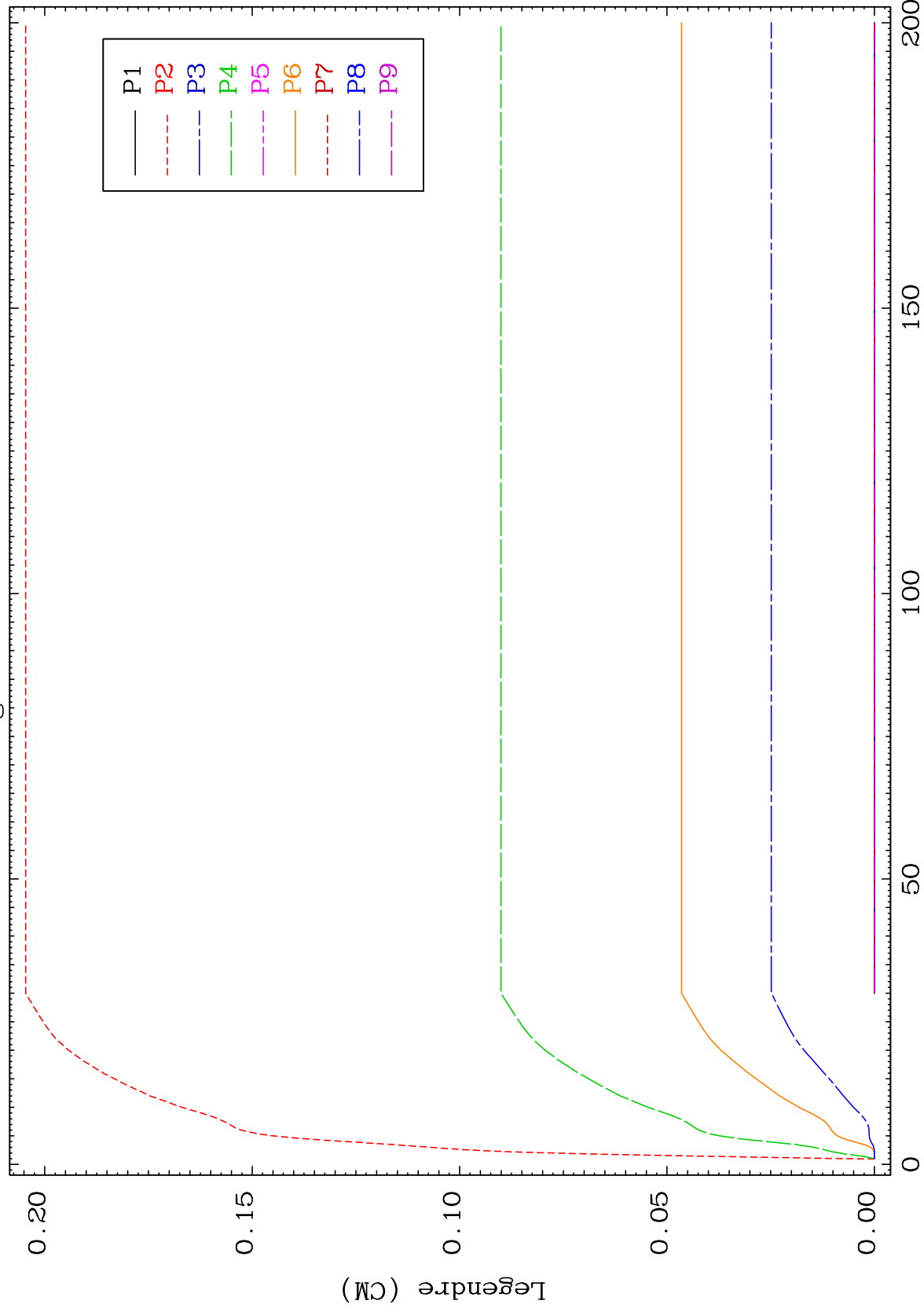
54-Xe-129



MAT 5440

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

54-Xe-129



83

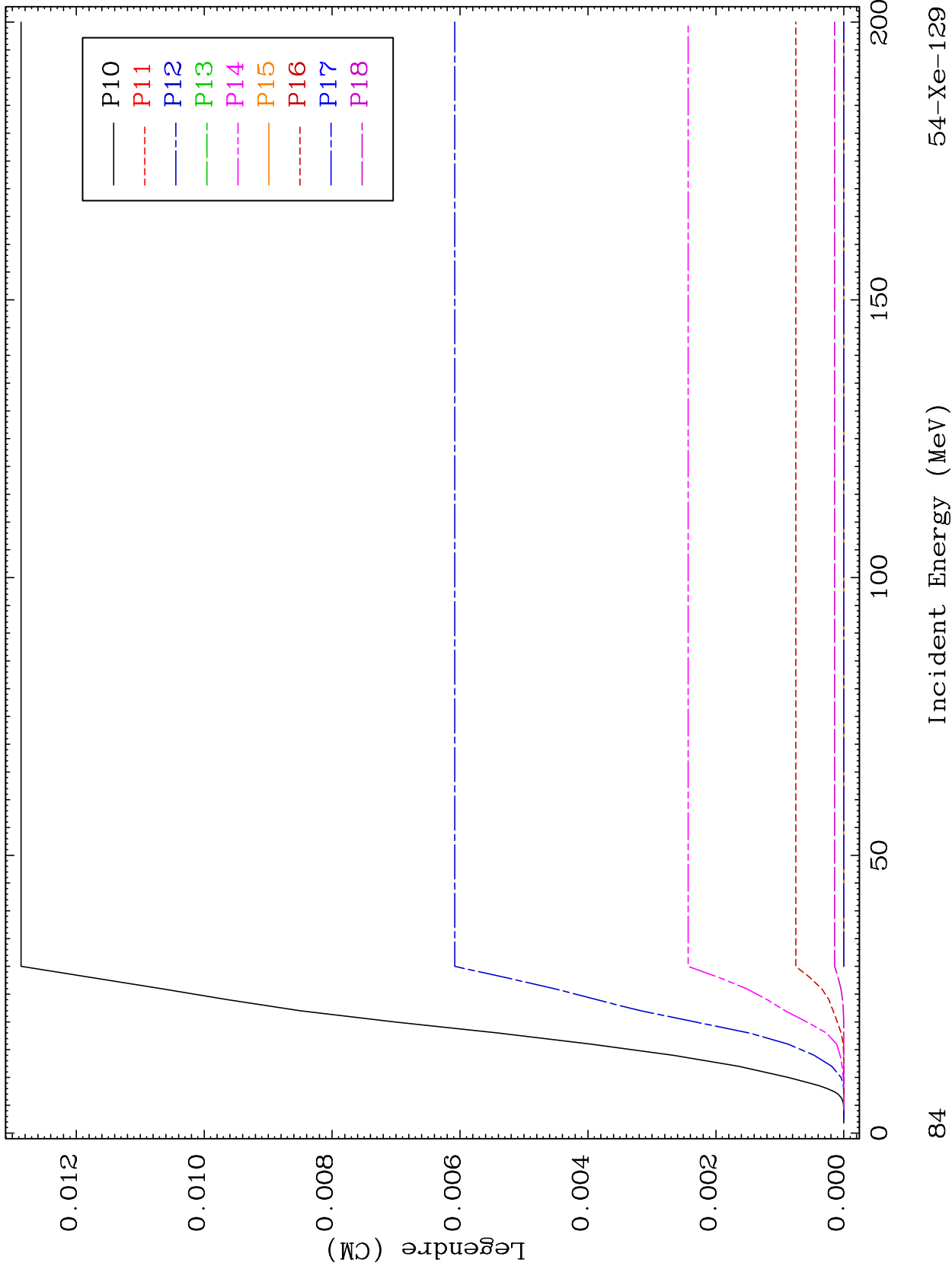
Incident Energy (MeV)

54-Xe-129

MAT 5440

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

54-Xe-129

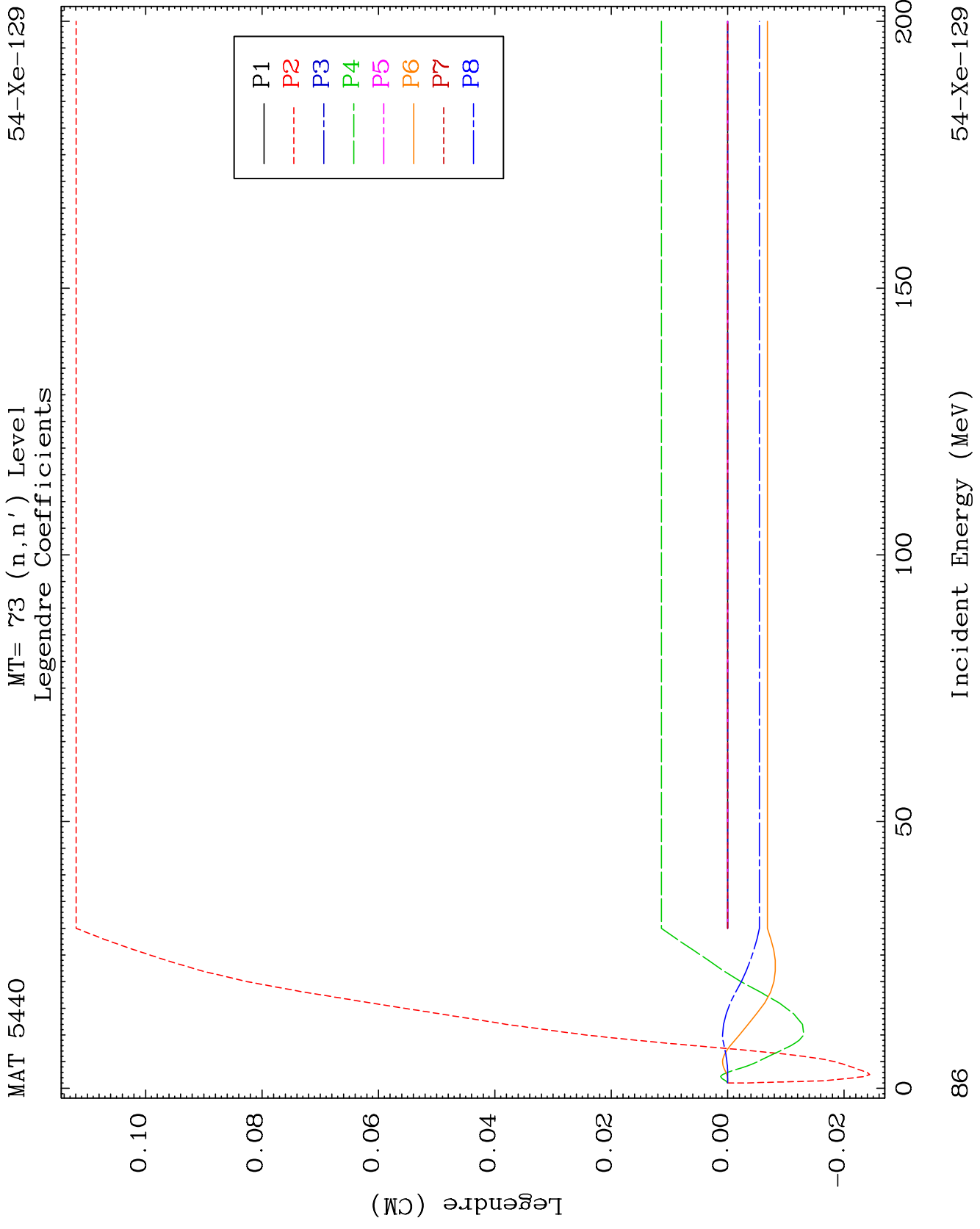


84

Incident Energy (MeV)

54-Xe-129

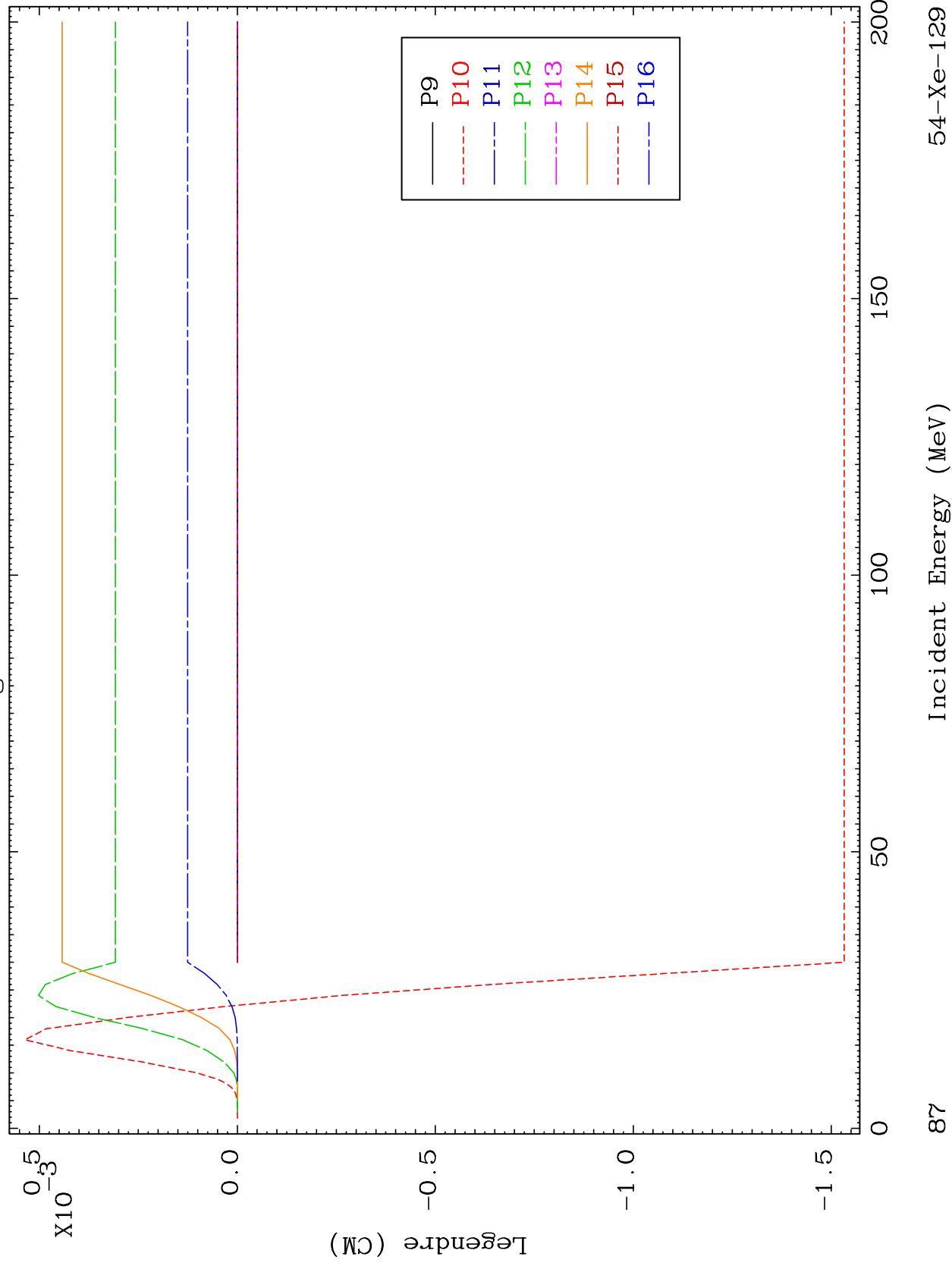




MAT 5440

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

54-Xe-129



87

Incident Energy (MeV)

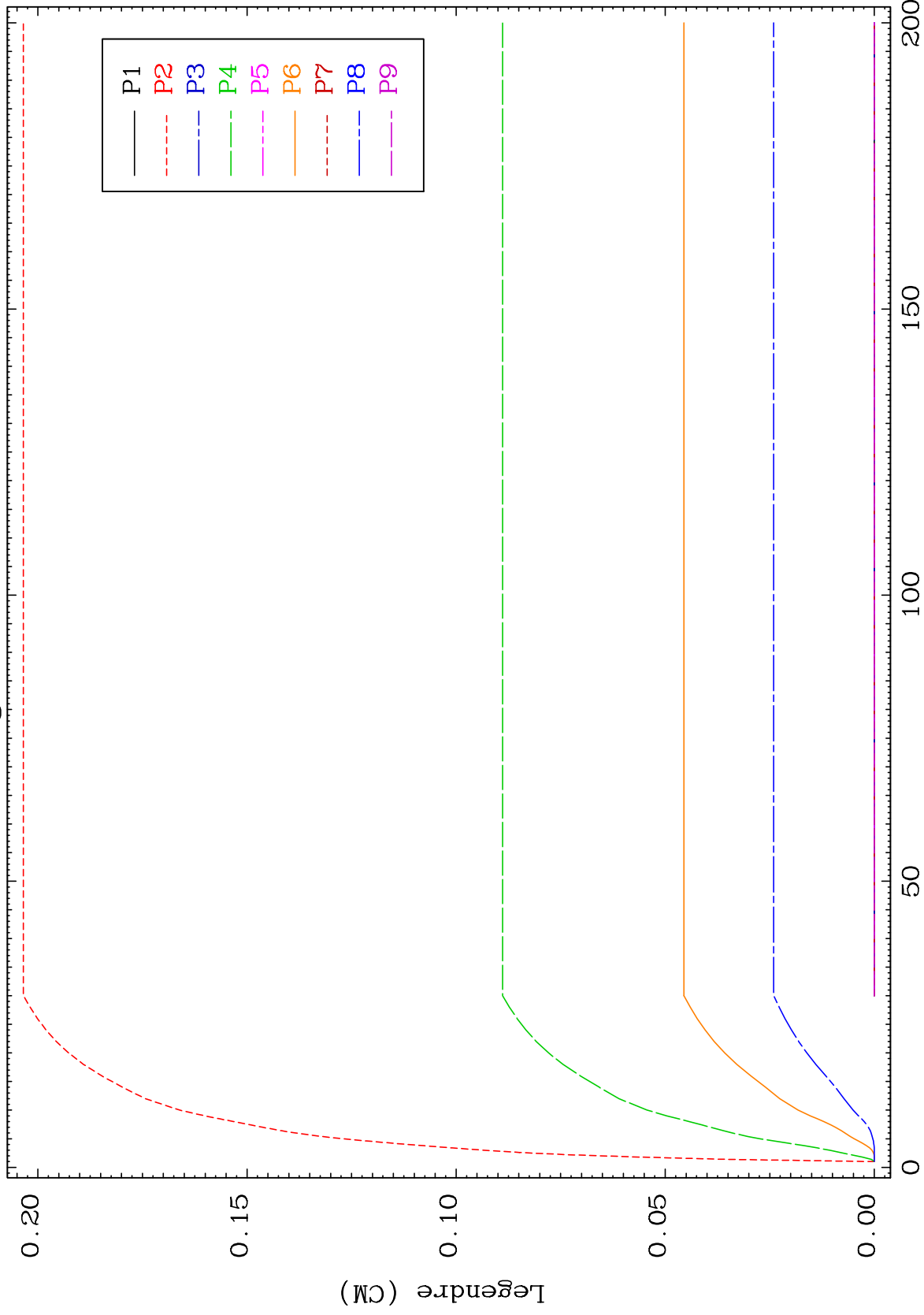
54-Xe-129



MAT 5440

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

54-Xe-129



89

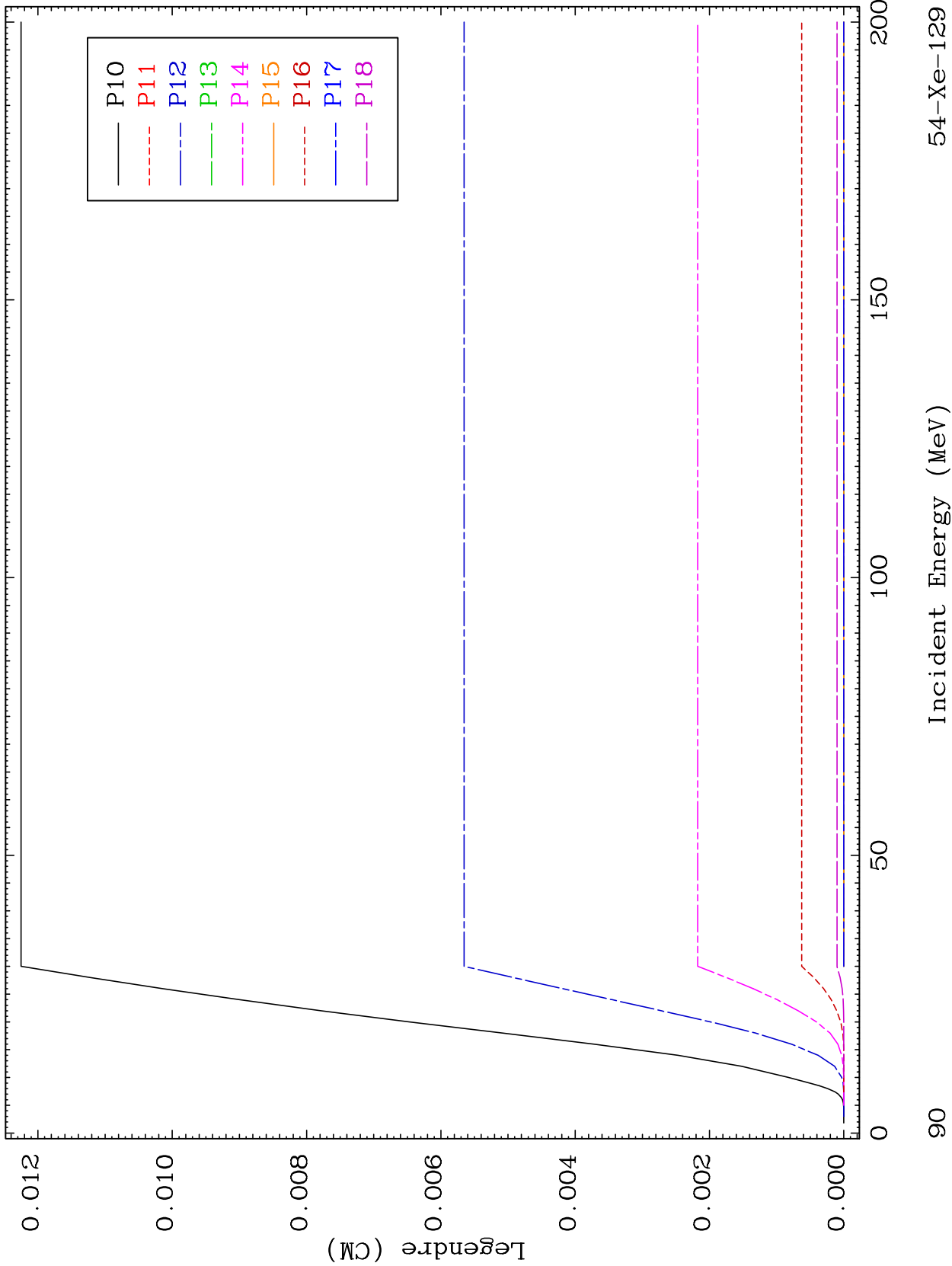
Incident Energy (MeV)

54-Xe-129

MAT 5440

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

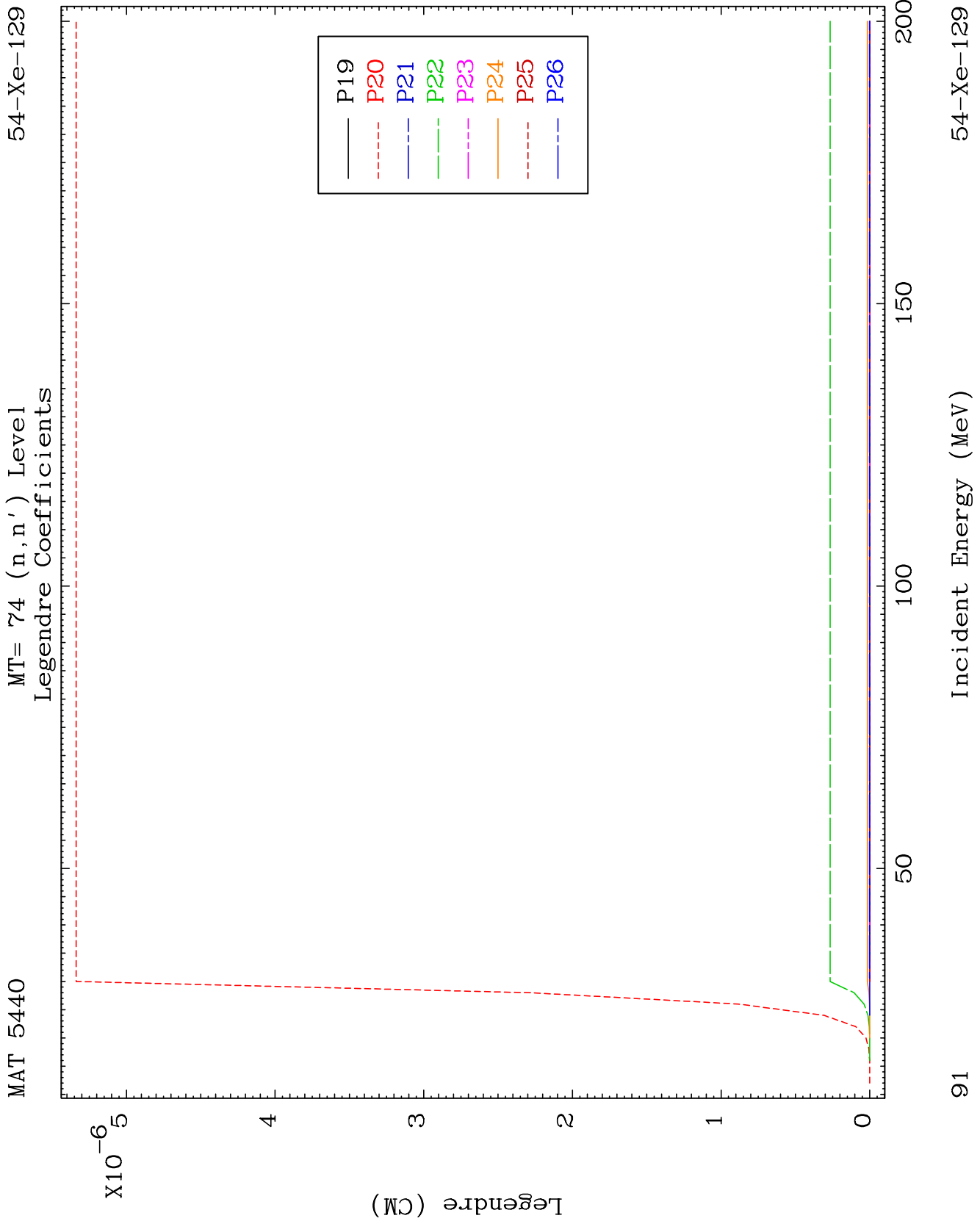
54-Xe-129



54-Xe-129

Incident Energy (MeV)

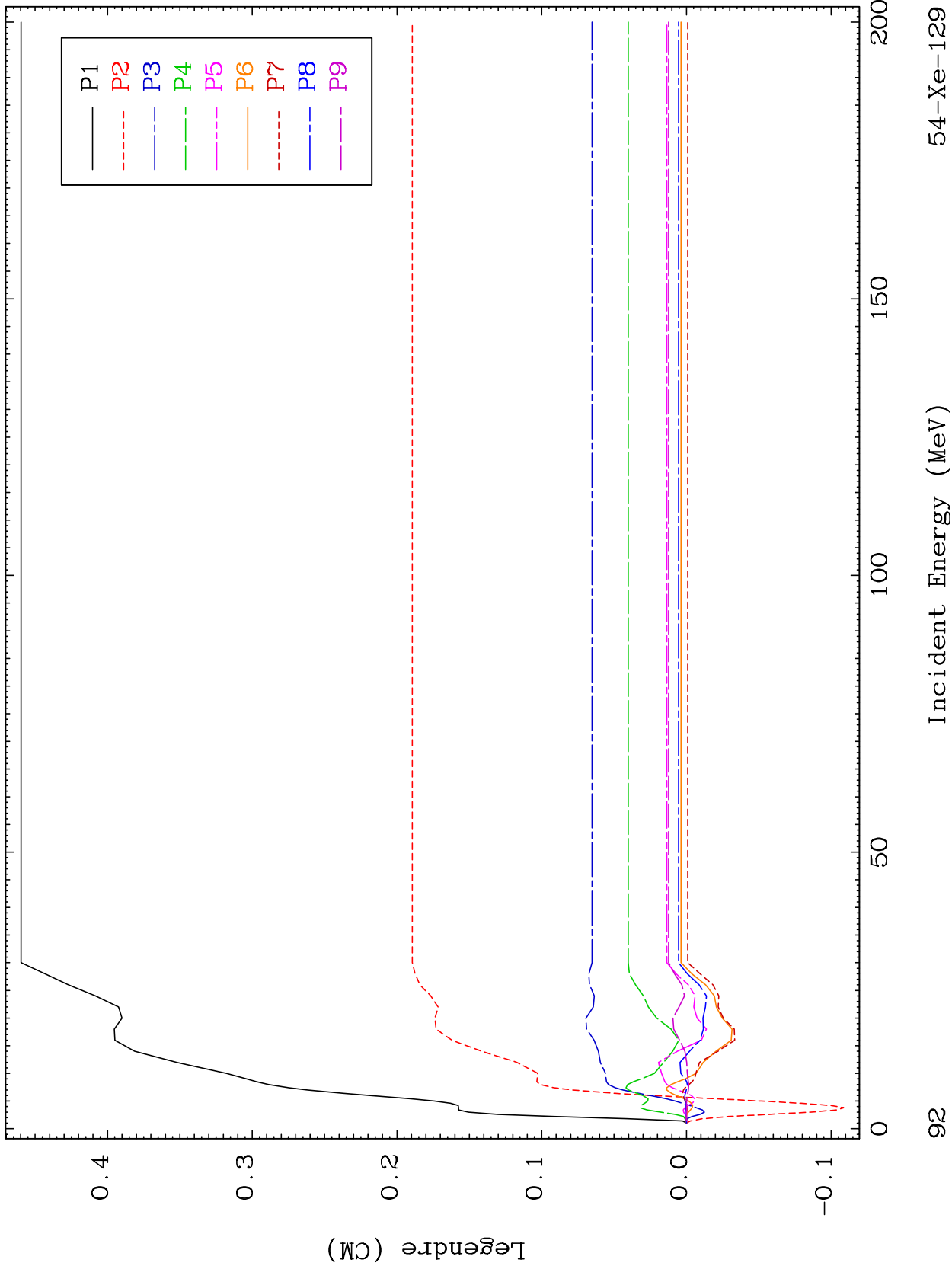
90



MAT 5440

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

54-Xe-129



54-Xe-129

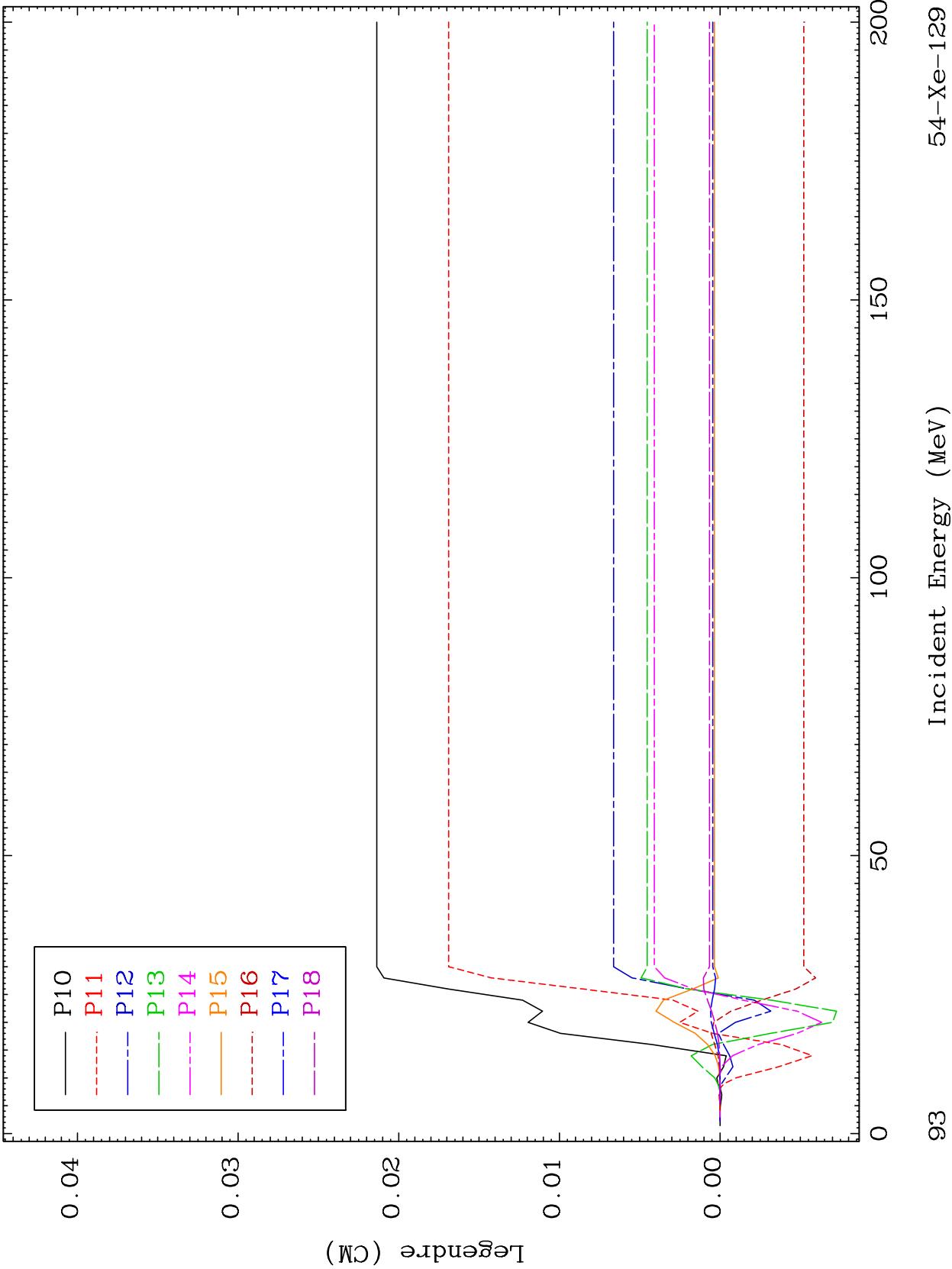
Incident Energy (MeV)

92

MAT 5440

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

54-Xe-129



93

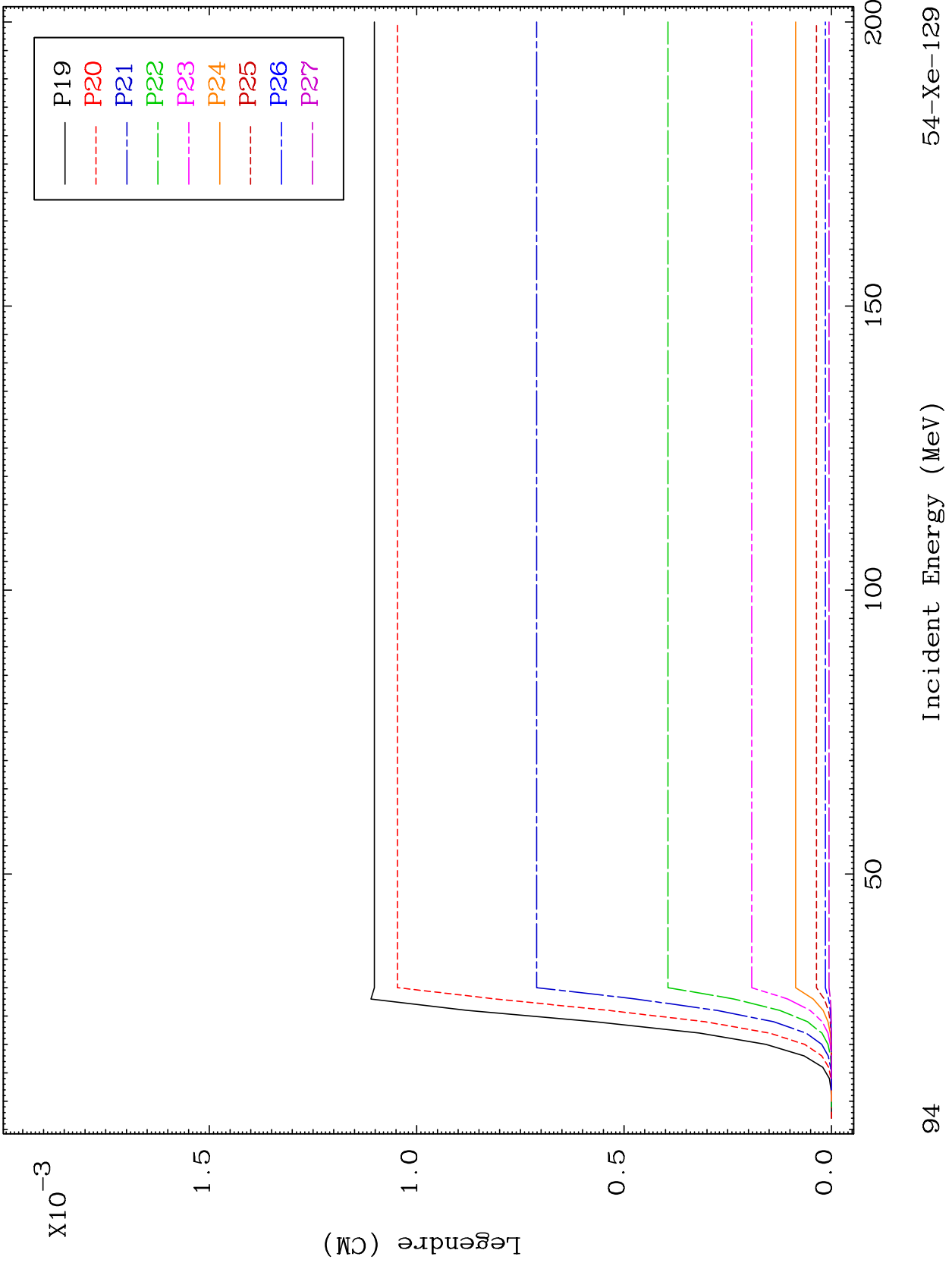
Incident Energy (MeV)

54-Xe-129

MAT 5440

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

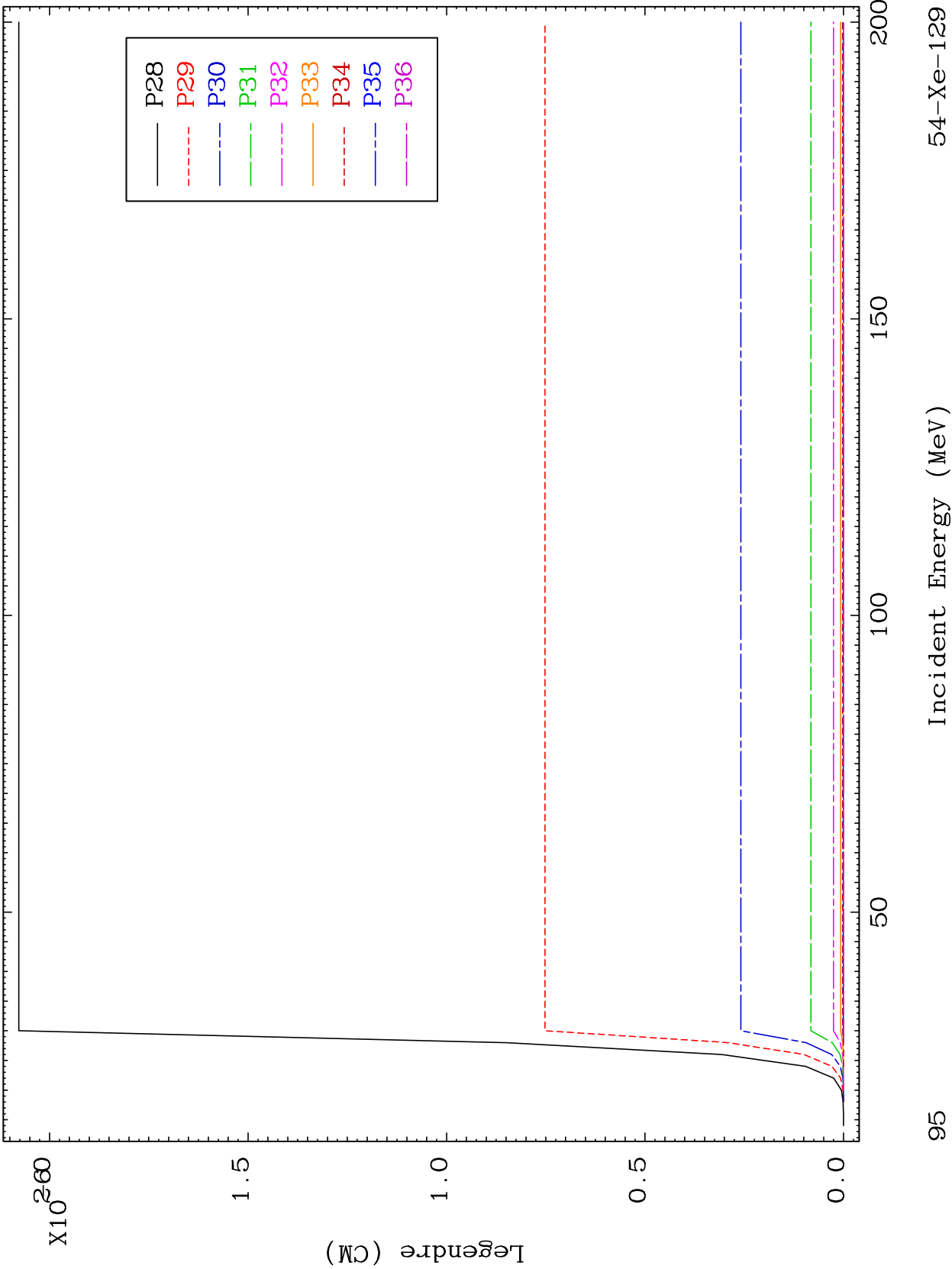
54-Xe-129



MAT 5440

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

54-Xe-129



95

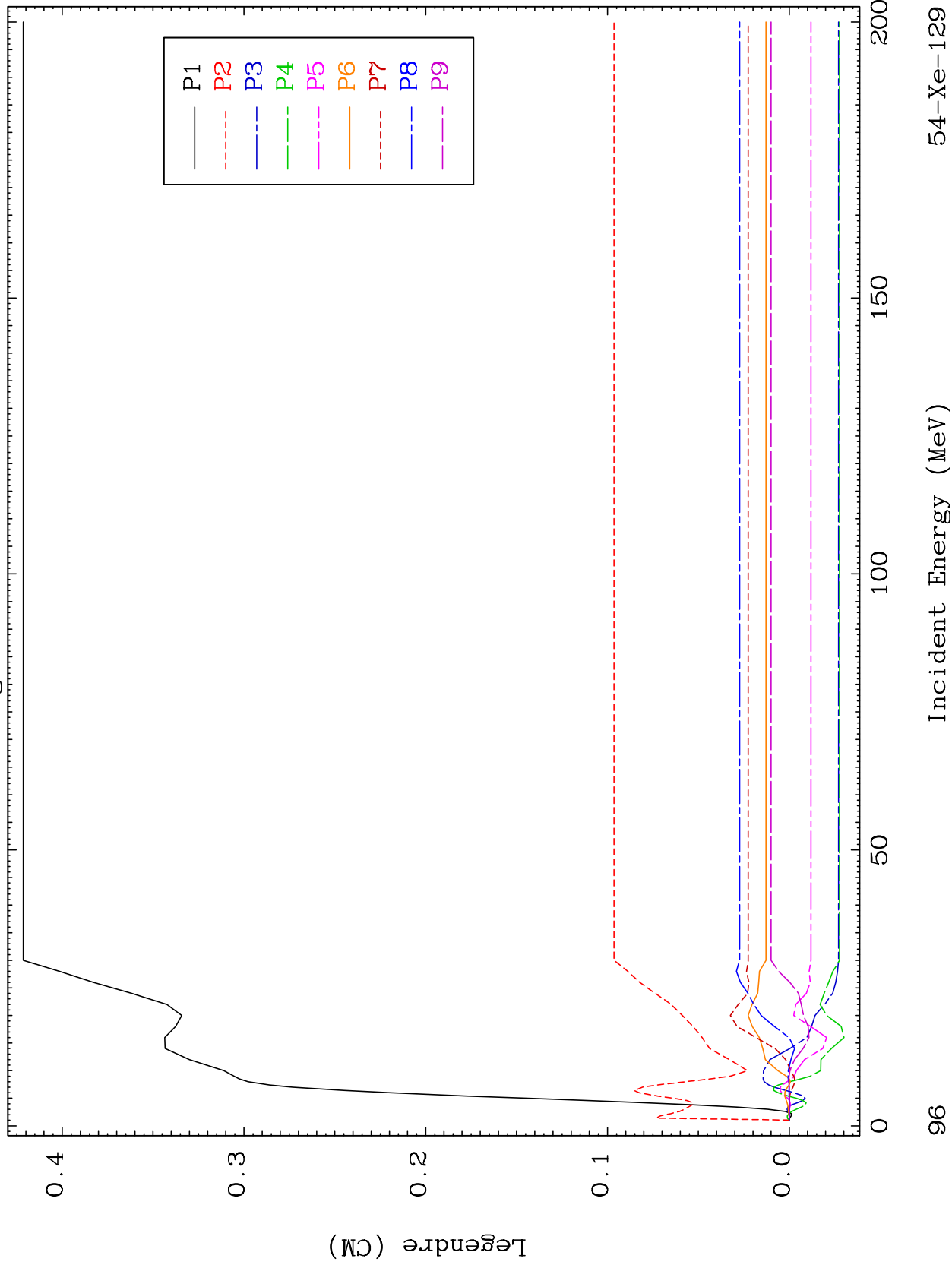
Incident Energy (MeV)

54-Xe-129

MAT 5440

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

54-Xe-129

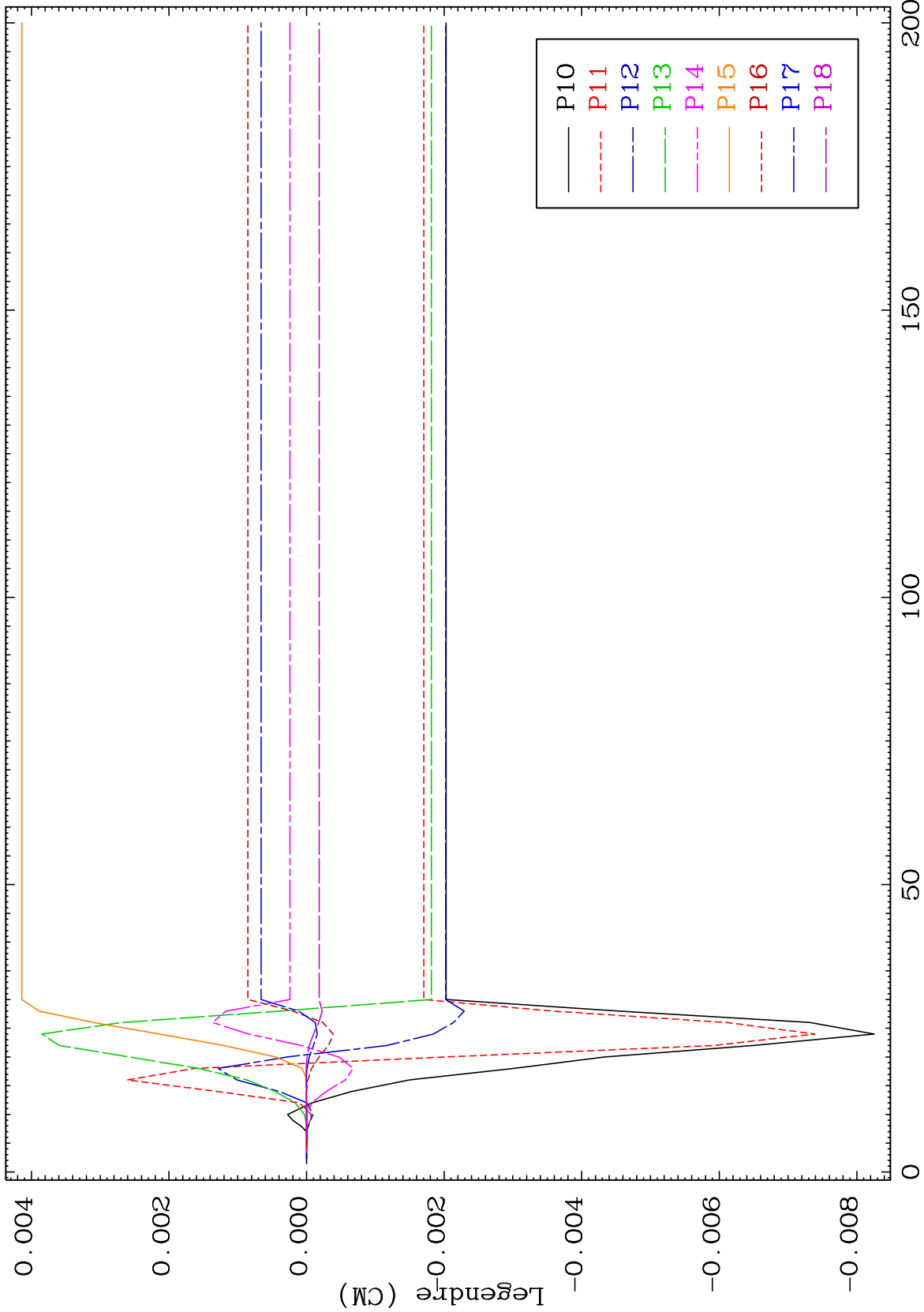


54-Xe-129

MAT 5440

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

54-Xe-129



97

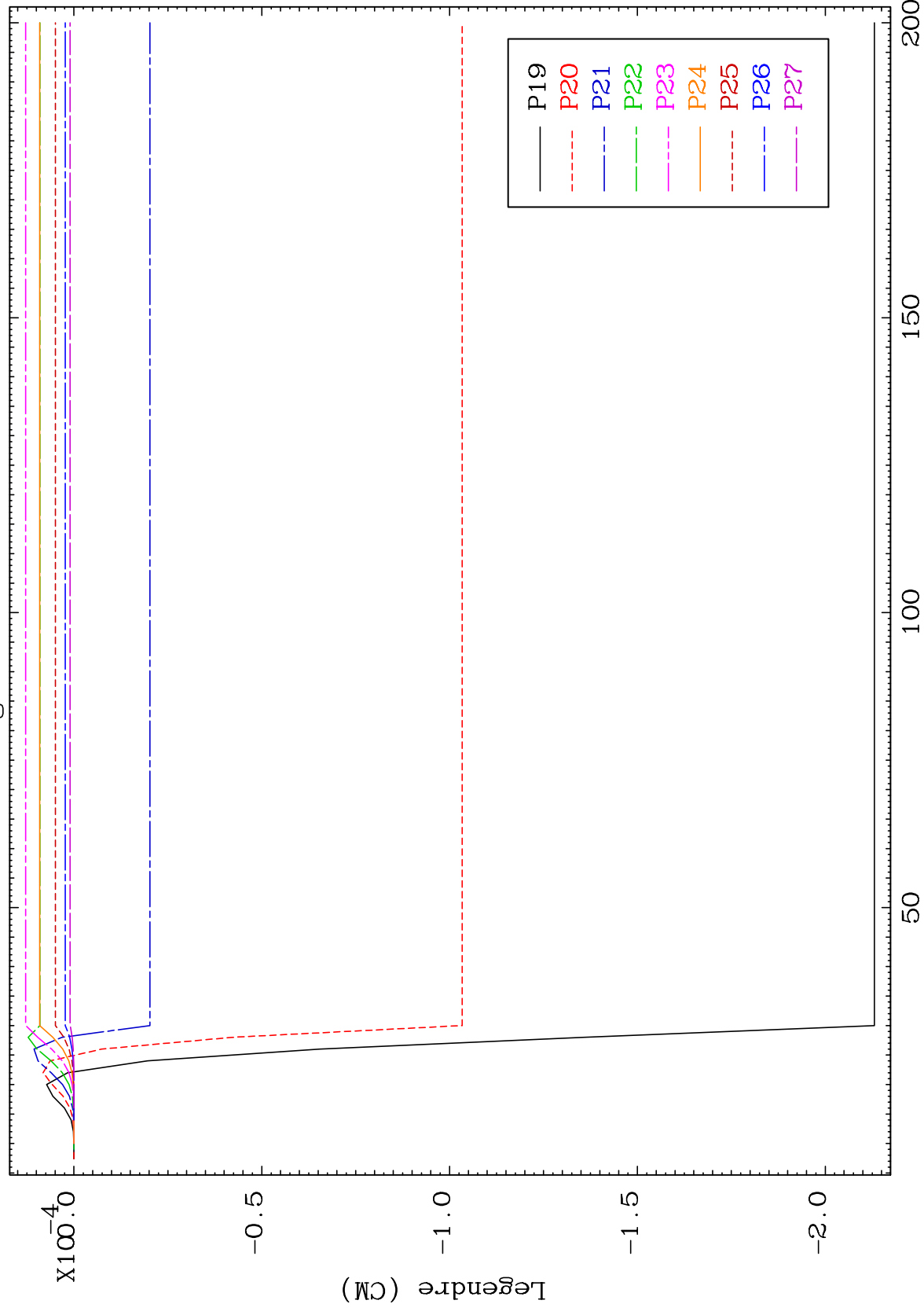
Incident Energy (MeV)

54-Xe-129

MAT 5440

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

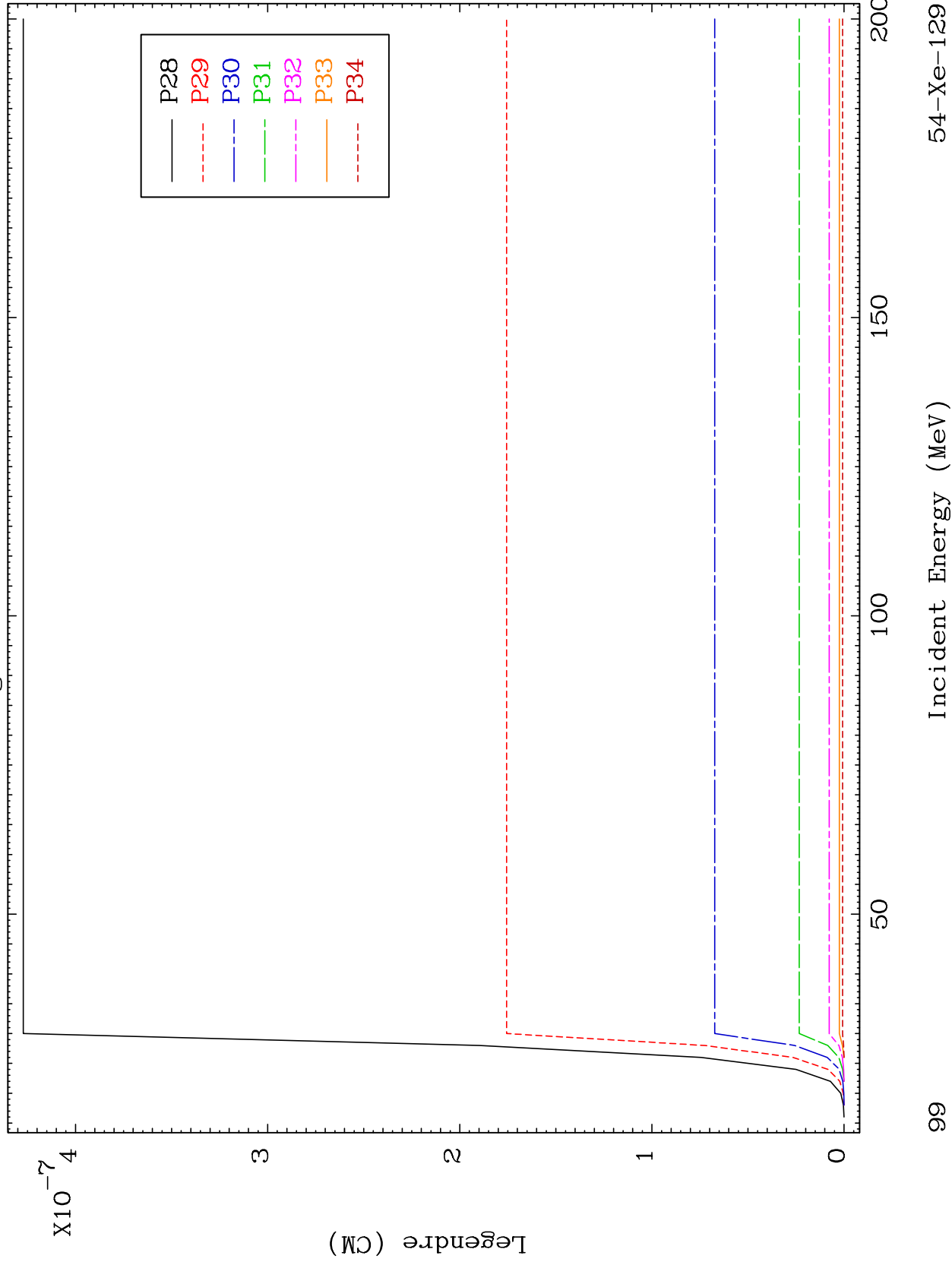
54-Xe-129



MAT 5440

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

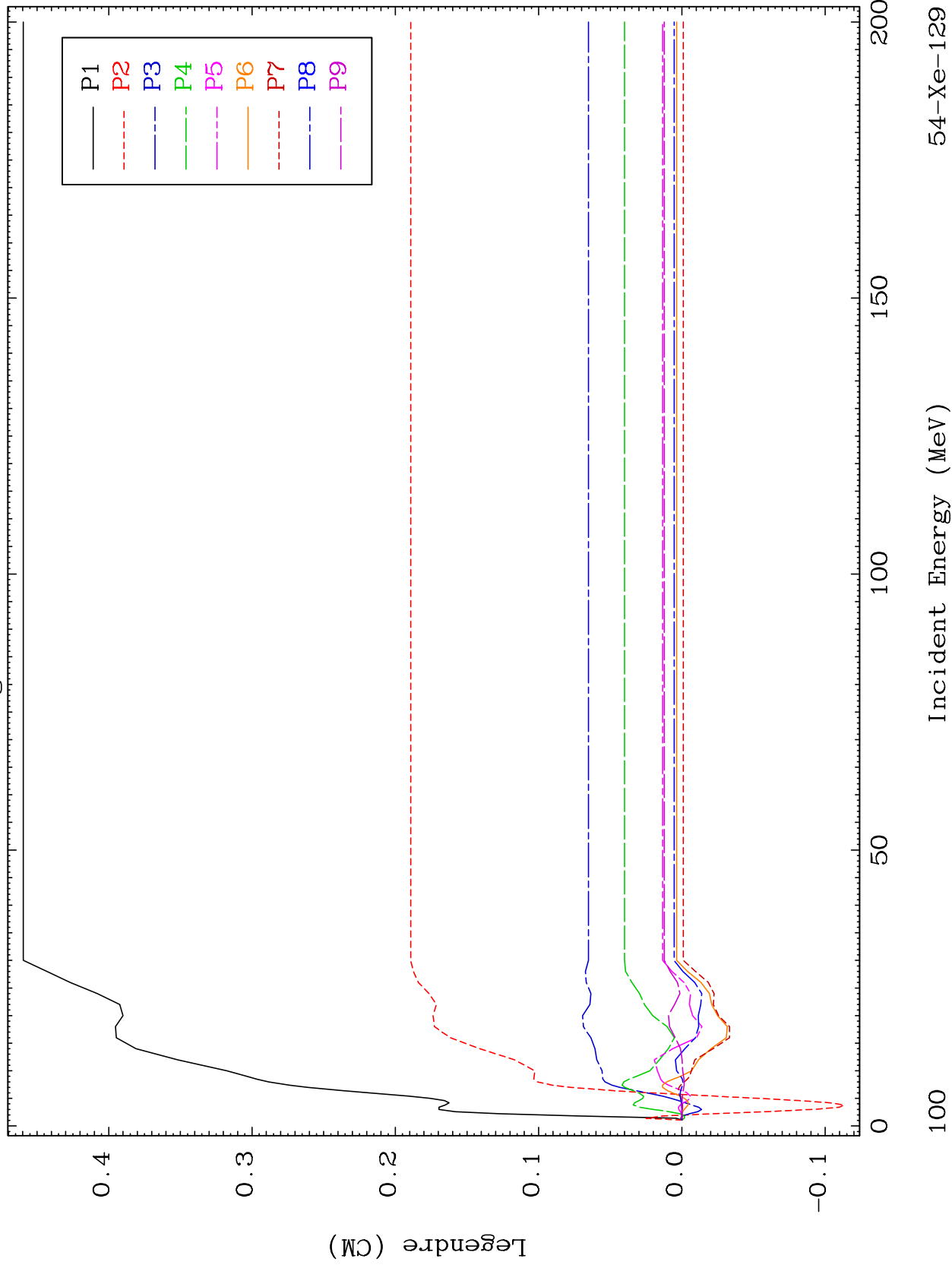
54-Xe-129



MAT 5440

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

54-Xe-129



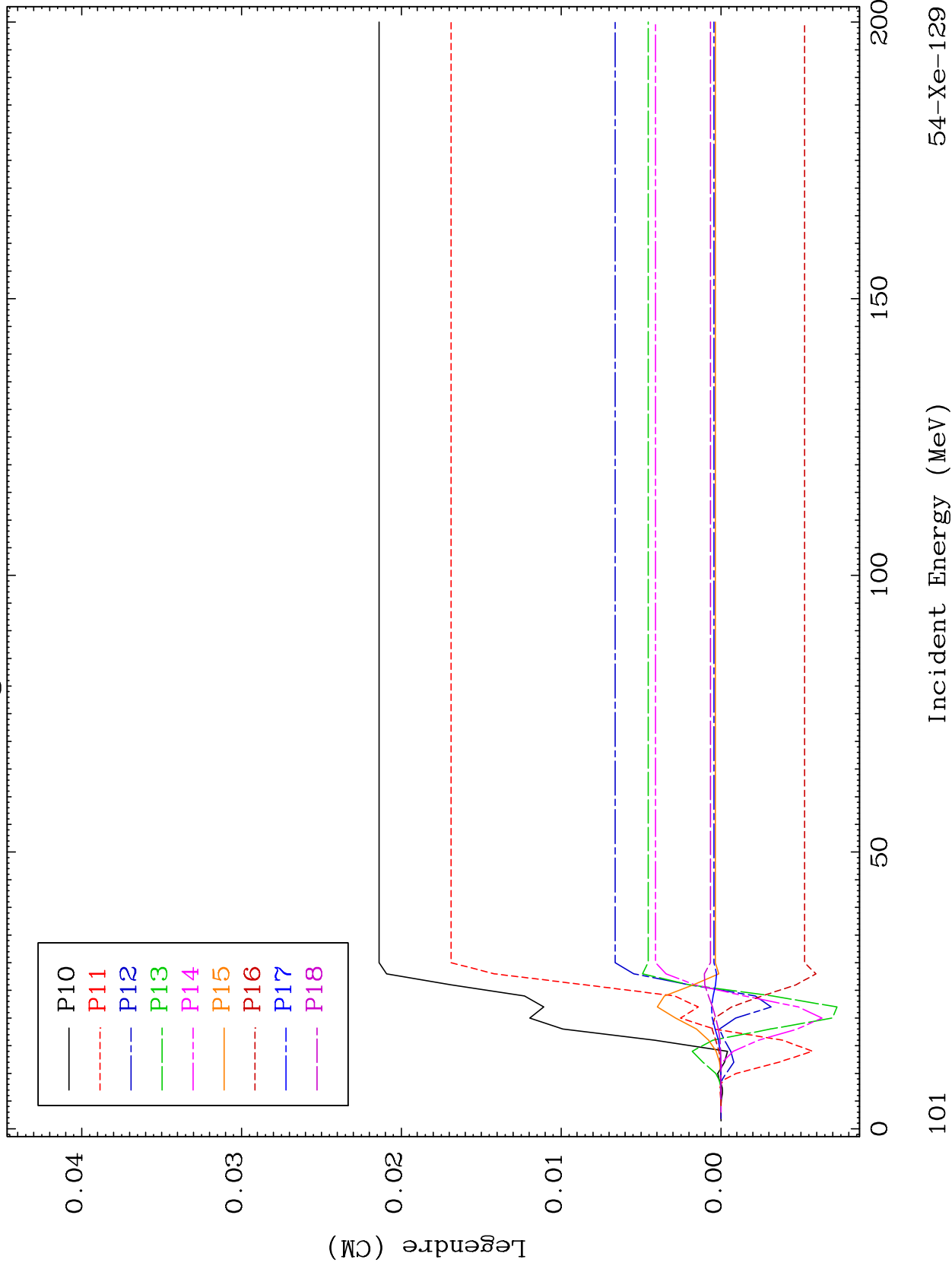
54-Xe-129

Incident Energy (MeV)

MAT 5440

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

54-Xe-129



101

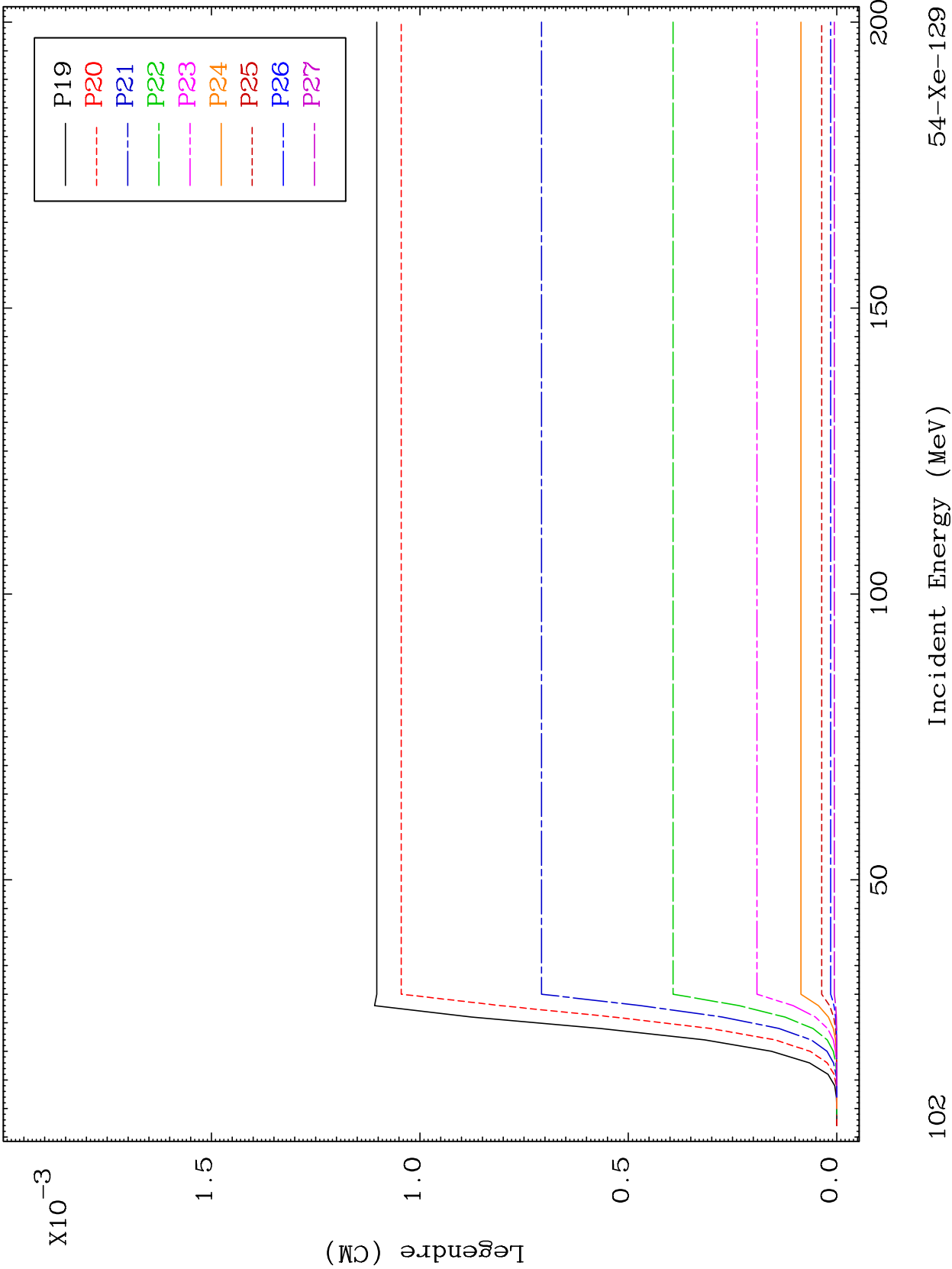
Incident Energy (MeV)

54-Xe-129

MAT 5440

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

54-Xe-129



102

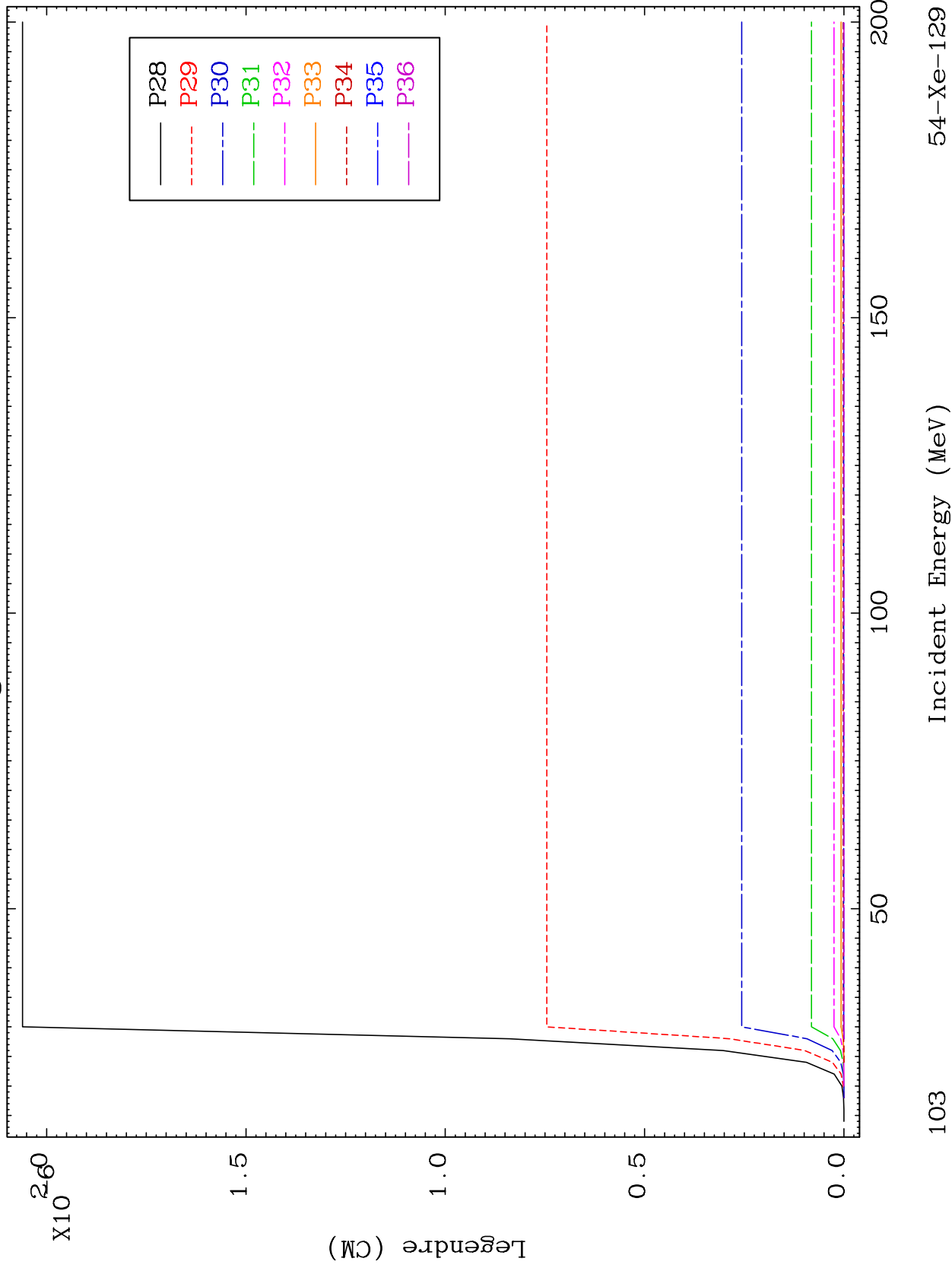
Incident Energy (MeV)

54-Xe-129

MAT 5440

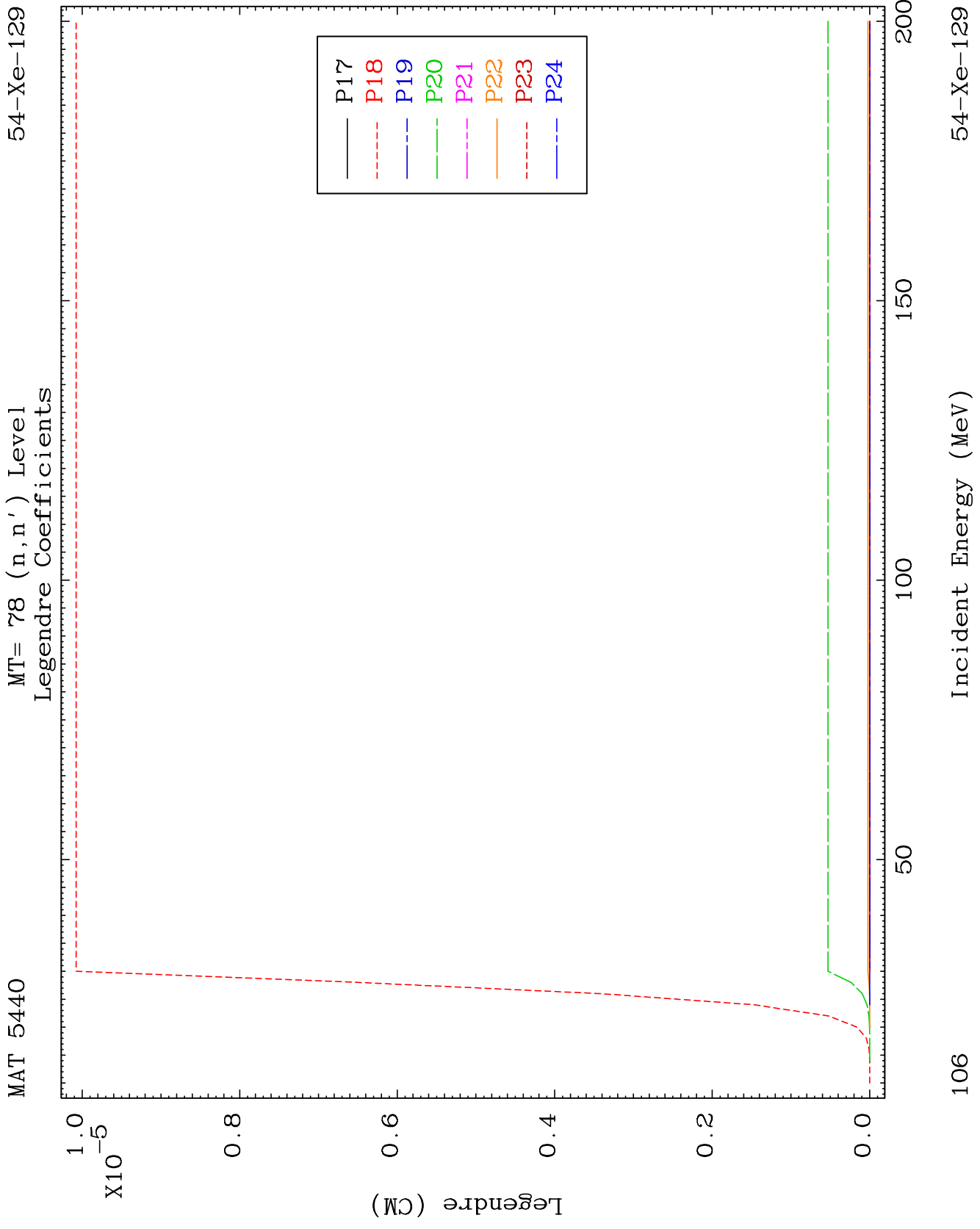
MT= 77 (n,n') Level  
Legendre Coefficients

54-Xe-129





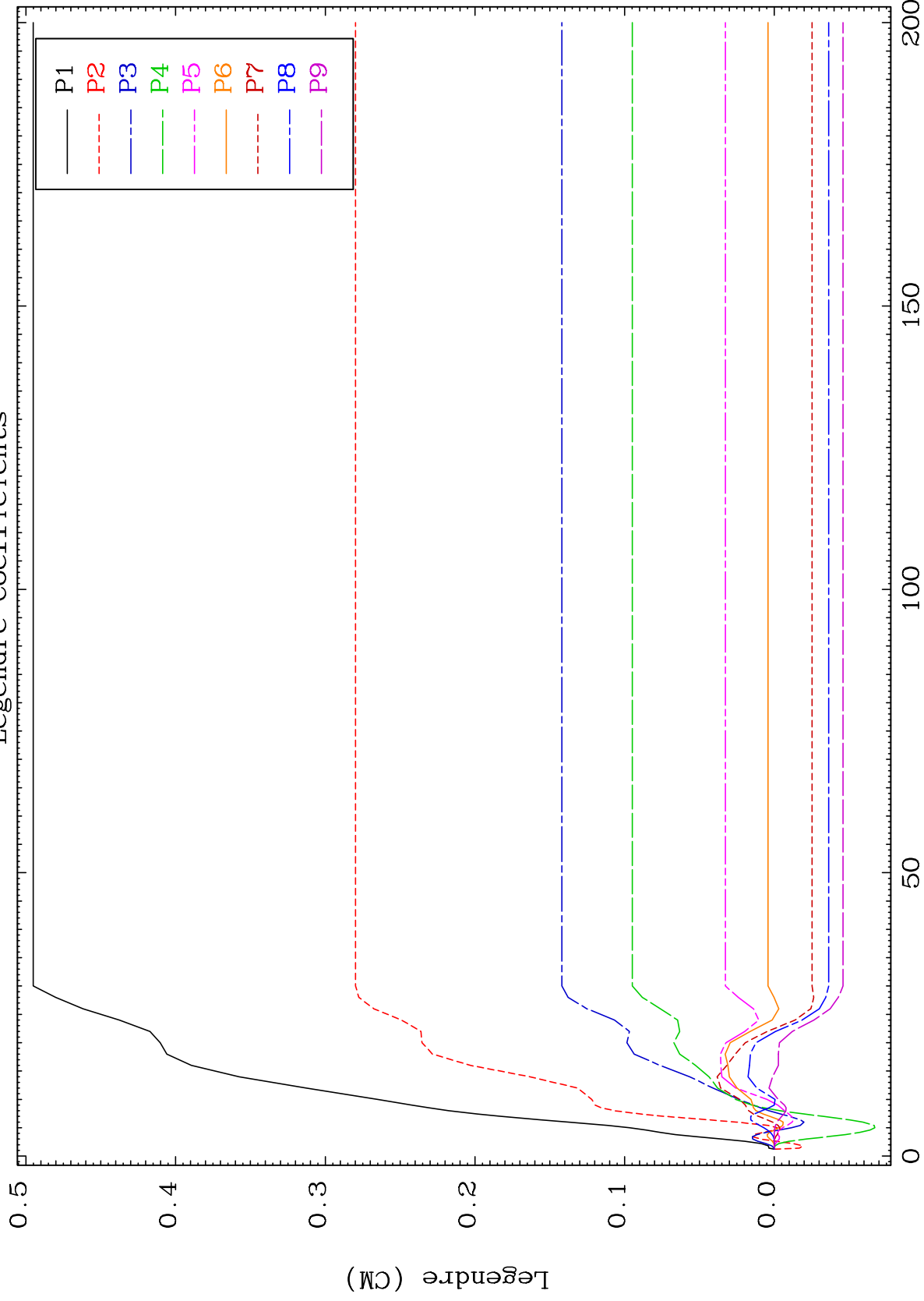




MAT 5440

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

54-Xe-129



107

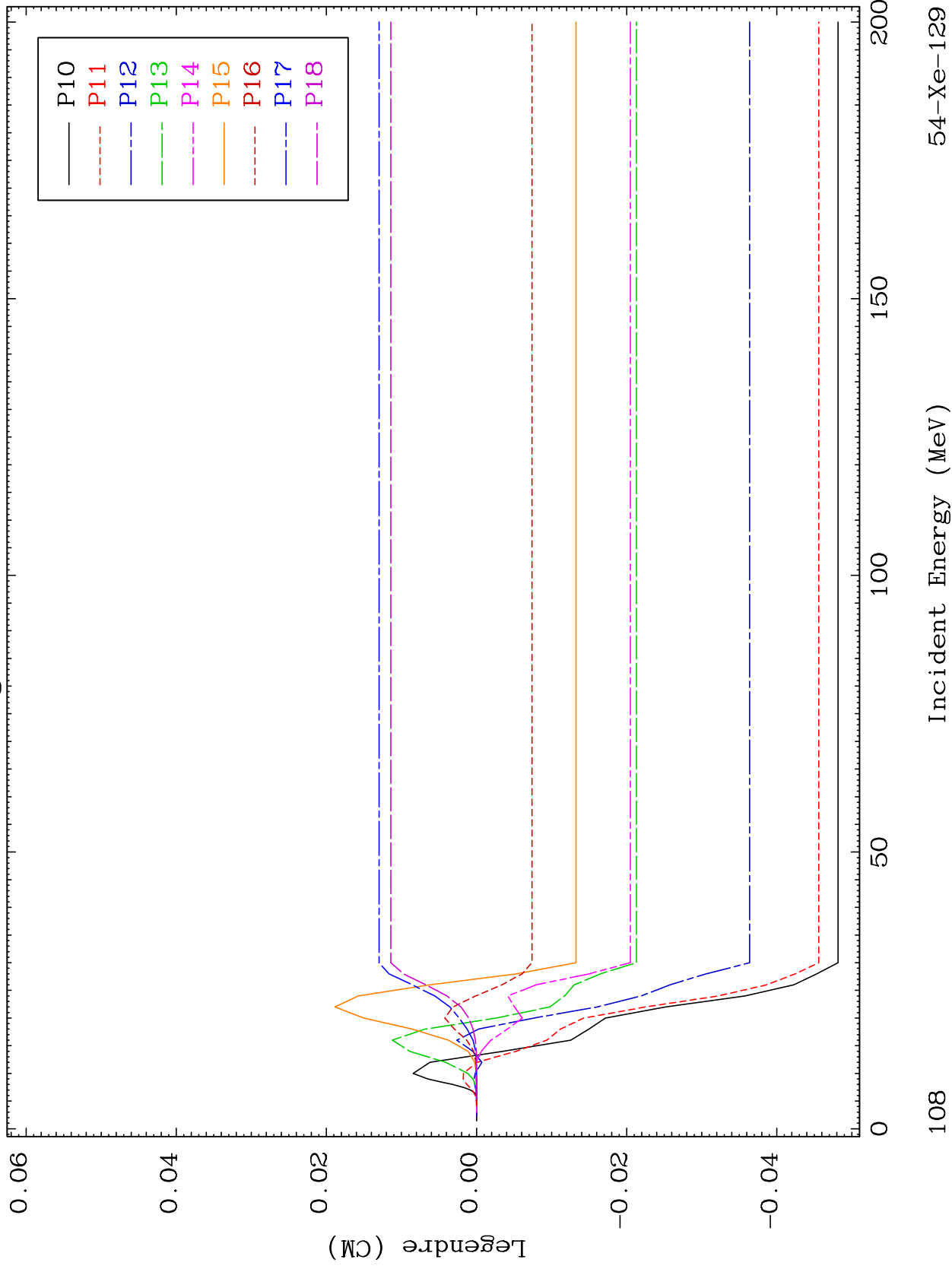
Incident Energy (MeV)

54-Xe-129

MAT 5440

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

54-Xe-129



54-Xe-129

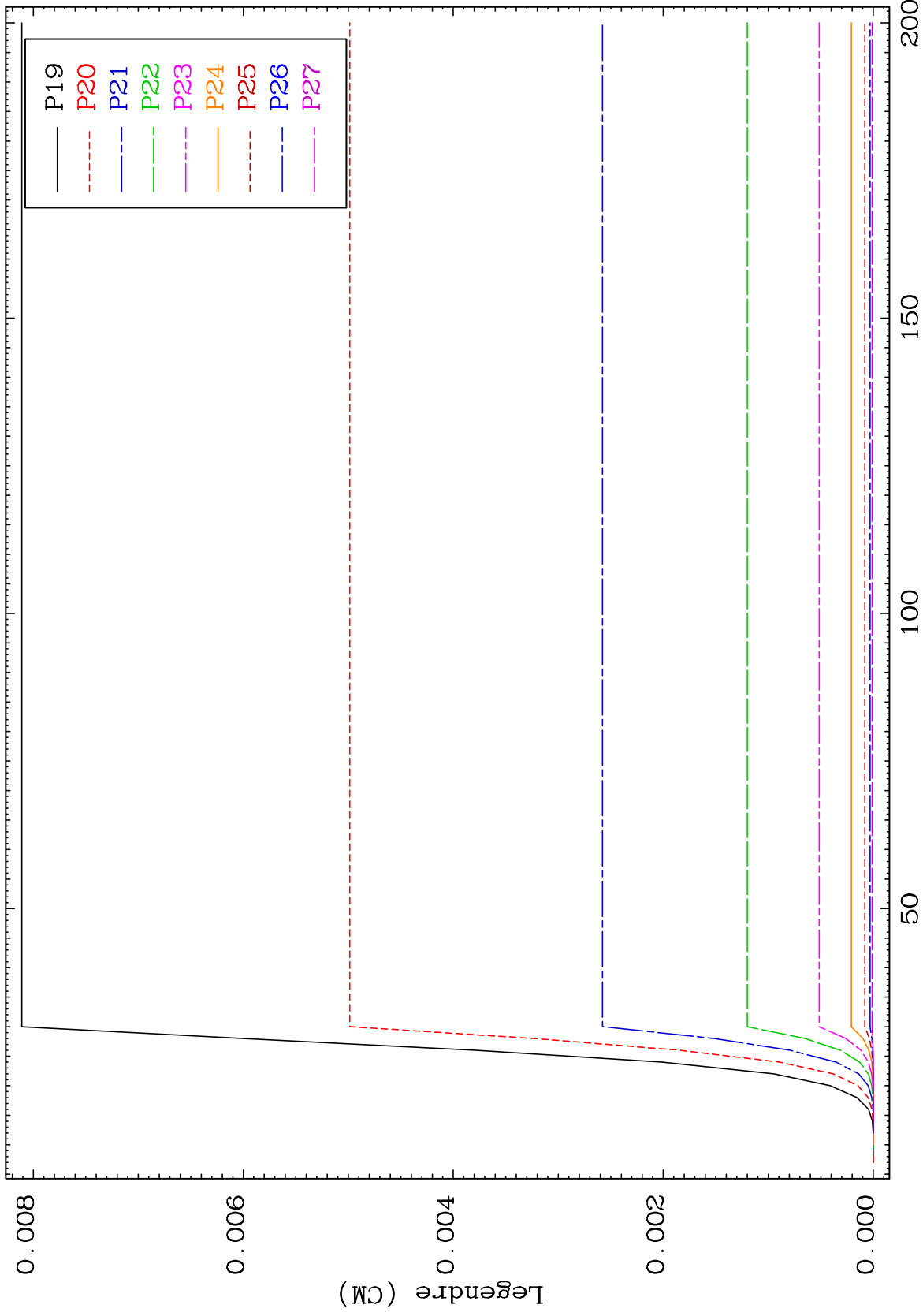
Incident Energy (MeV)

108

MAT 5440

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

54-Xe-129



109

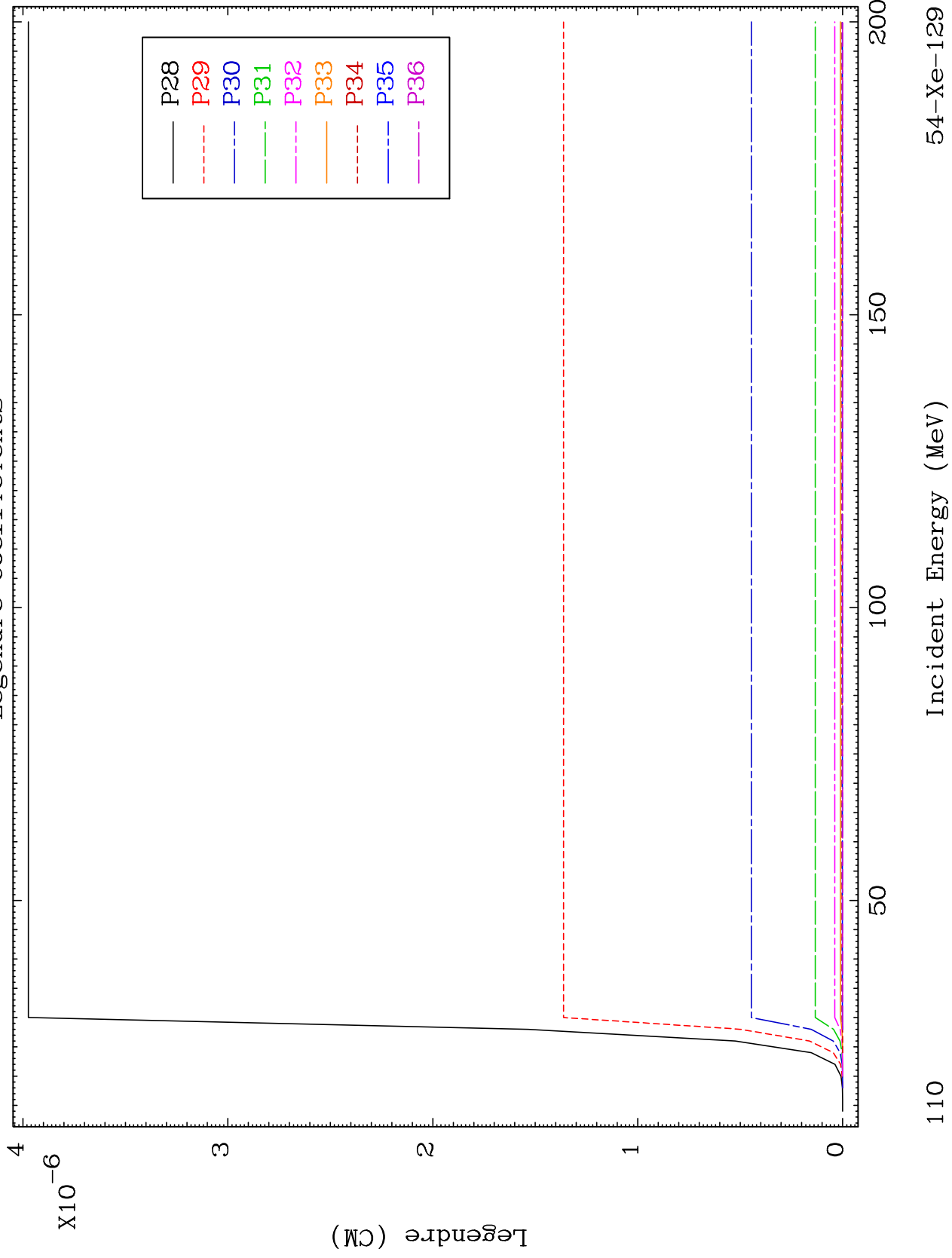
Incident Energy (MeV)

54-Xe-129

MAT 5440

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

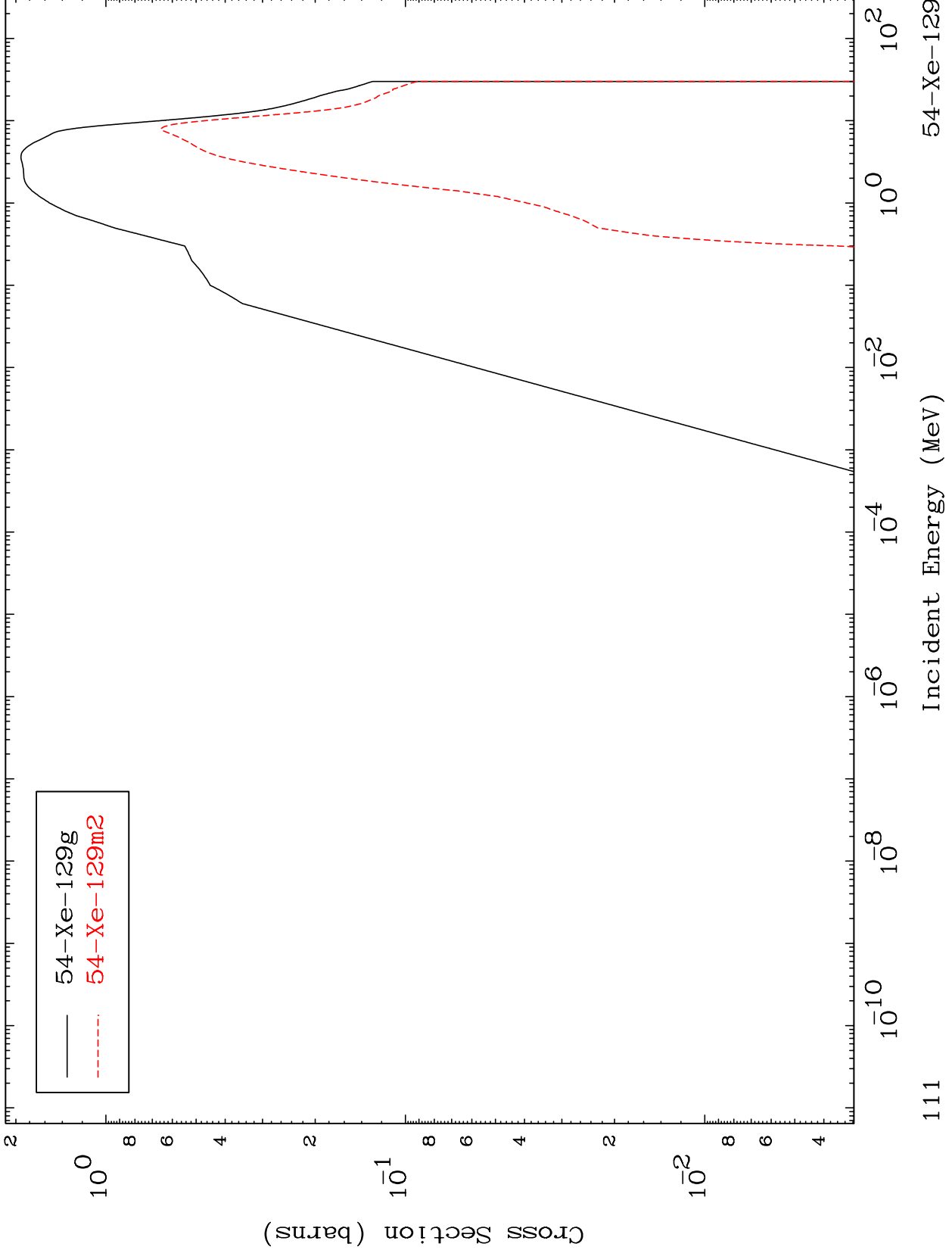
54-Xe-129



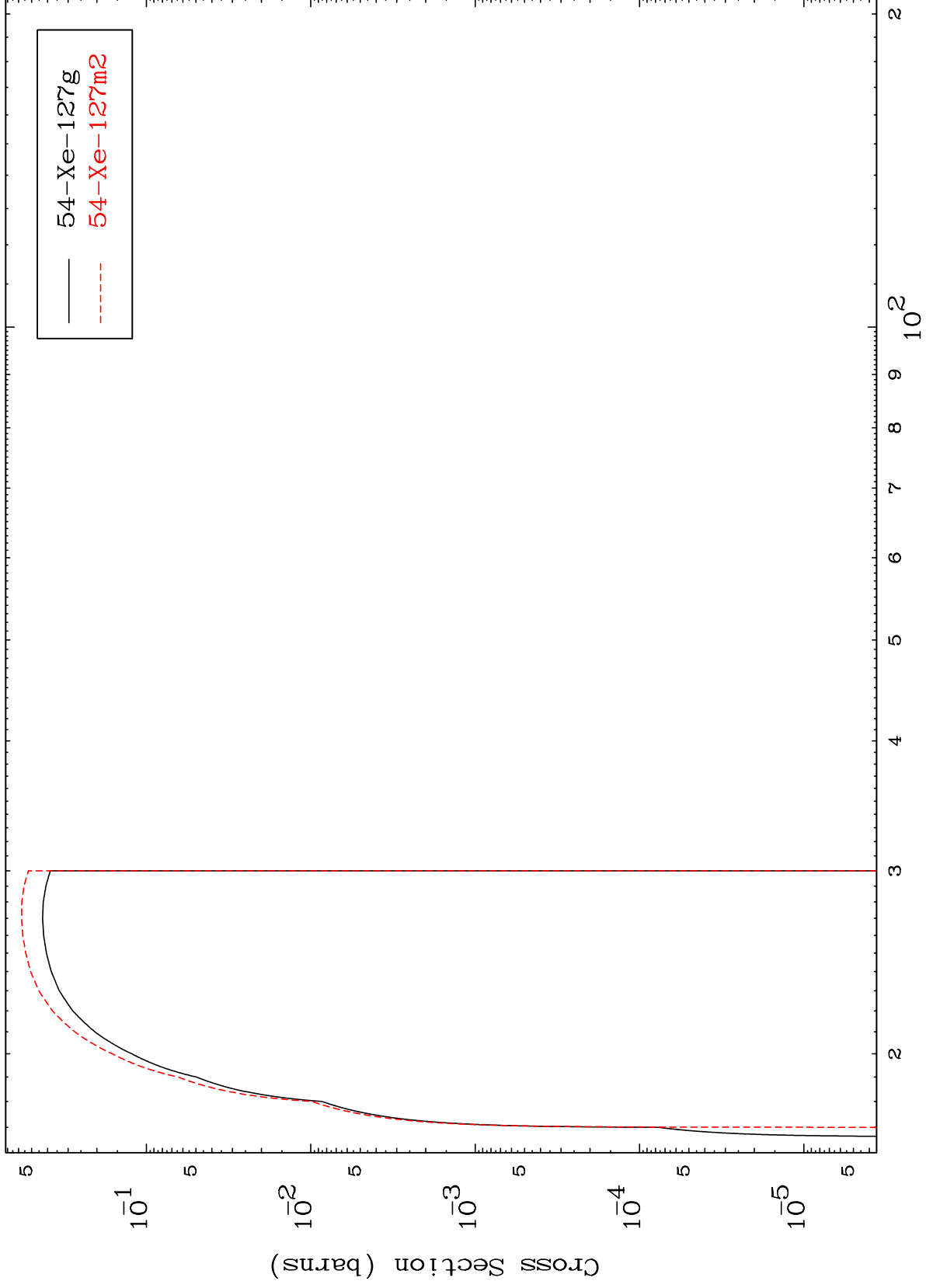
MAT 5440

Inelastic  
Radionuclide Production Cross Section

54-Xe-129



Radionuclide Production Cross Section

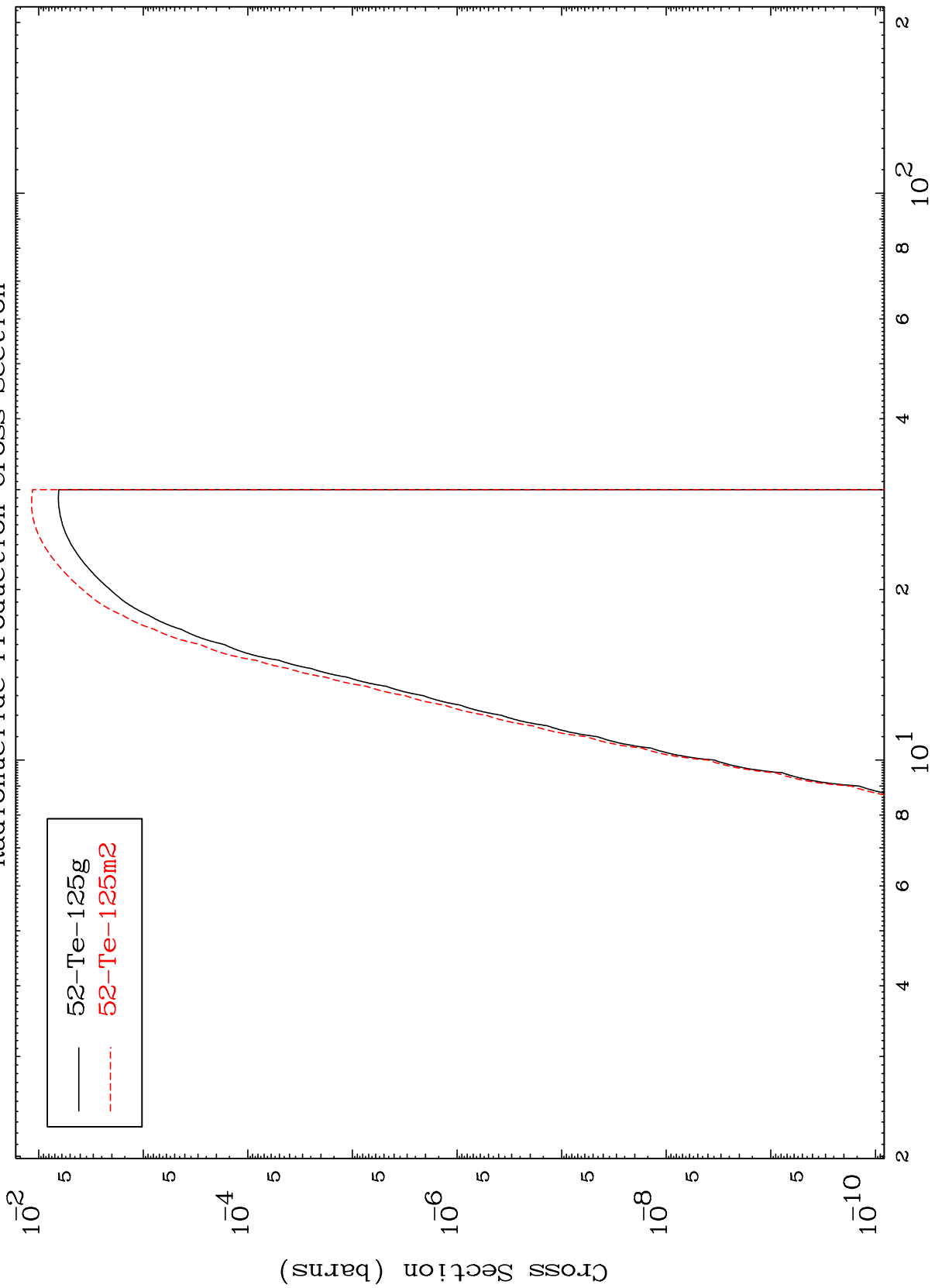


MAT 5440

(n,n')  $\alpha$

54-Xe-129

Radionuclide Production Cross Section

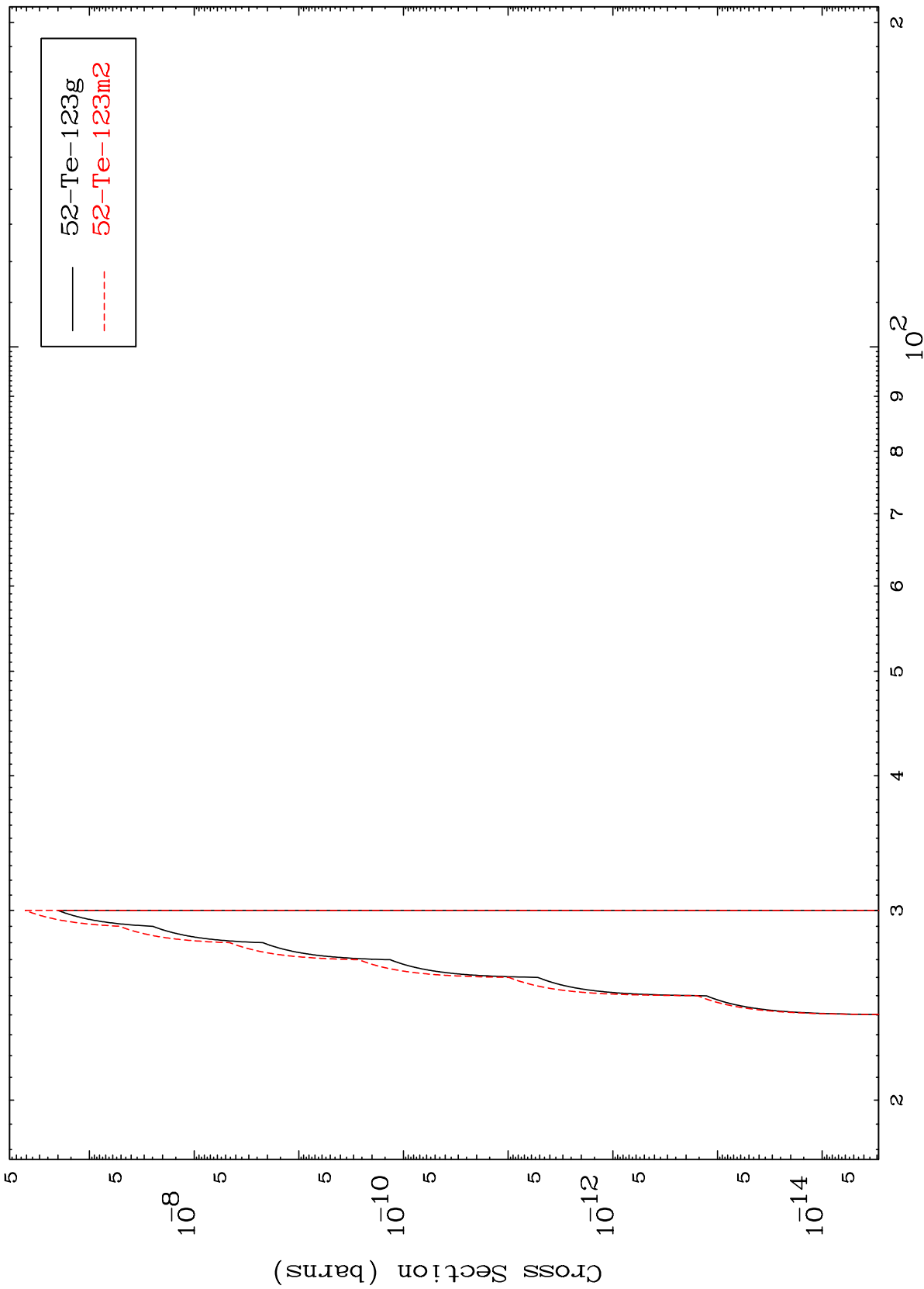


MAT 5440

$(n,3n) \alpha$

54-Xe-129

Radionuclide Production Cross Section



114

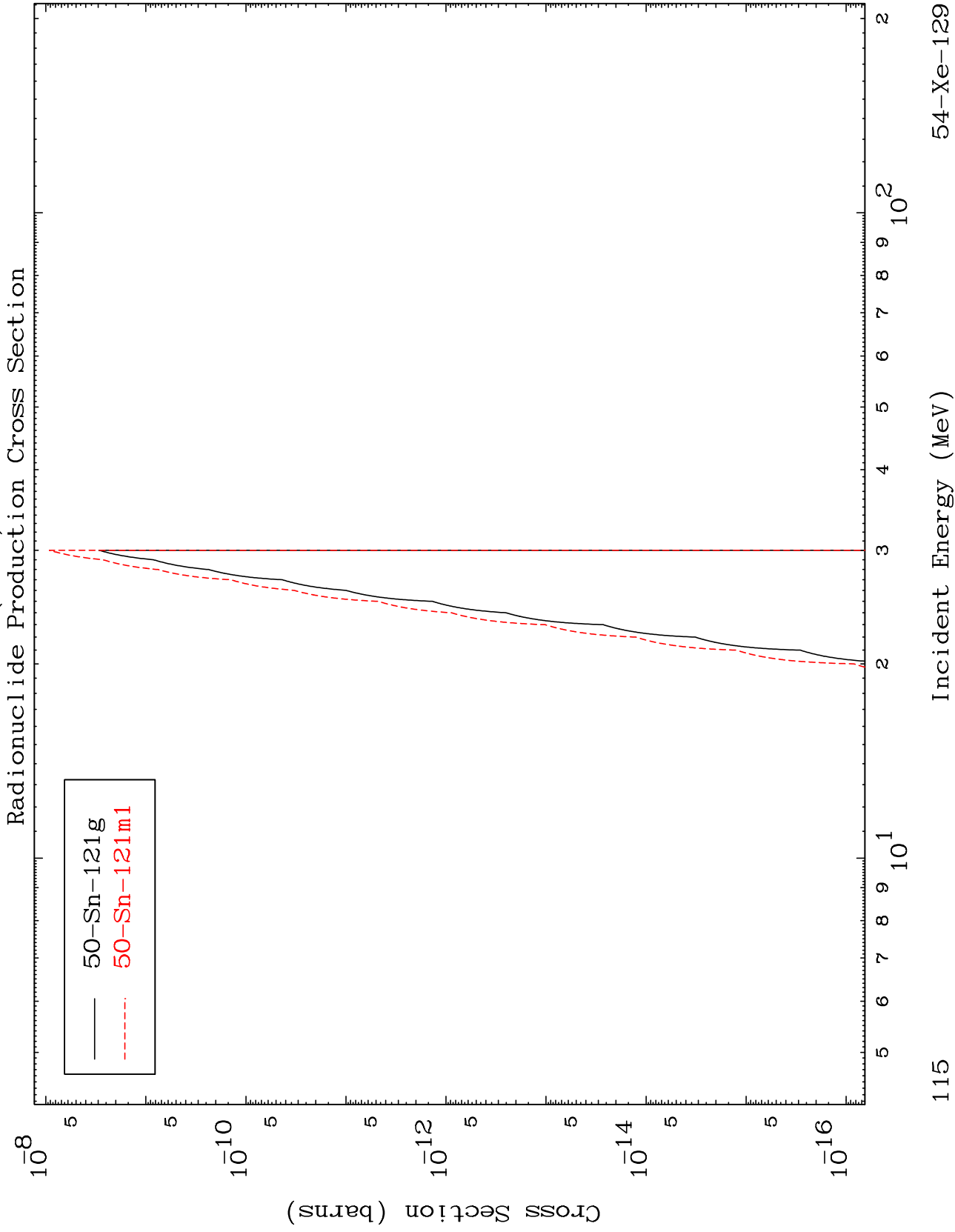
Incident Energy (MeV)

54-Xe-129

MAT 5440

(n,n') 2 $\alpha$

54-Xe-129



115

Incident Energy (MeV)

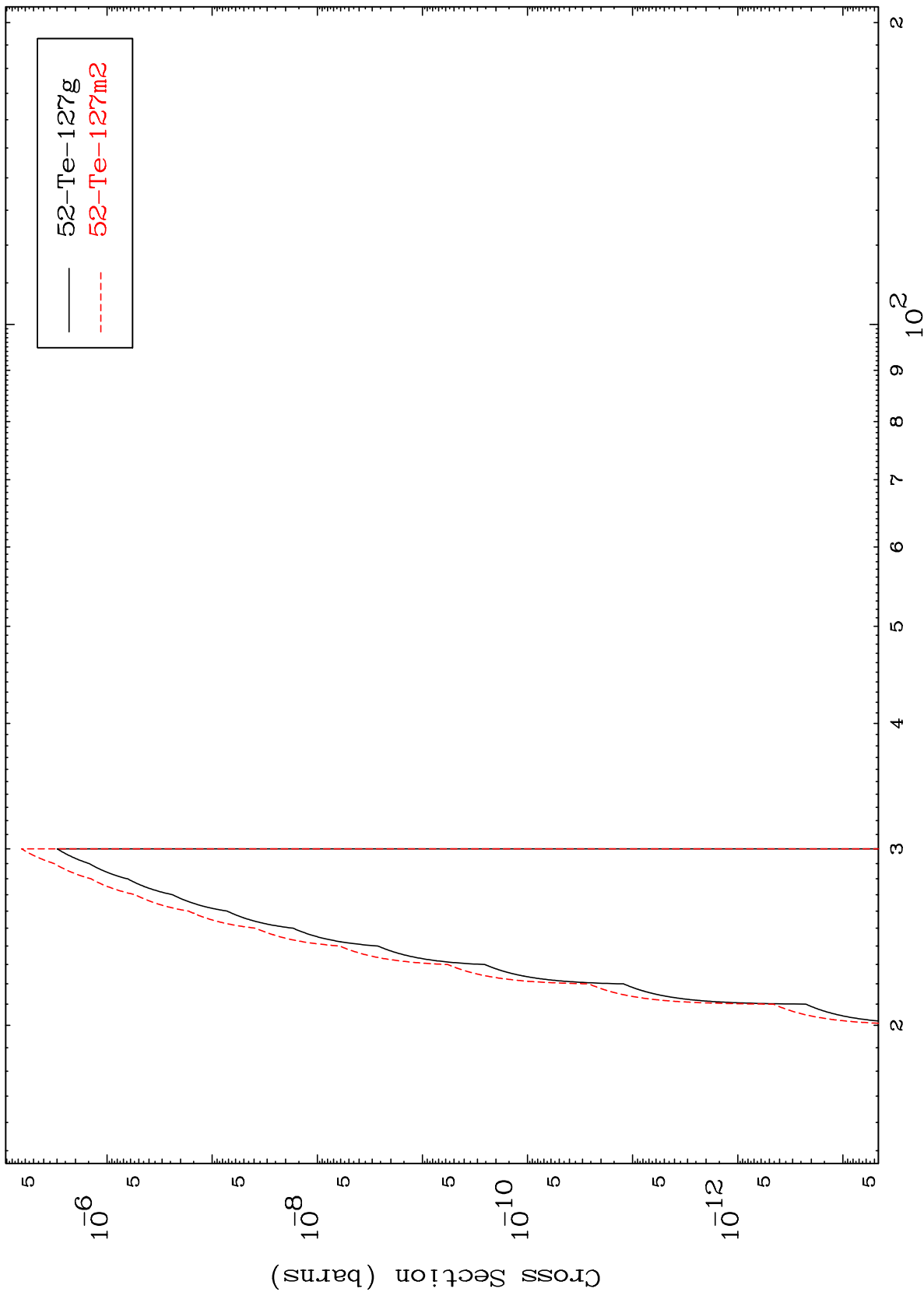
54-Xe-129

MAT 5440

(n,2n) p

54-Xe-129

Radionuclide Production Cross Section

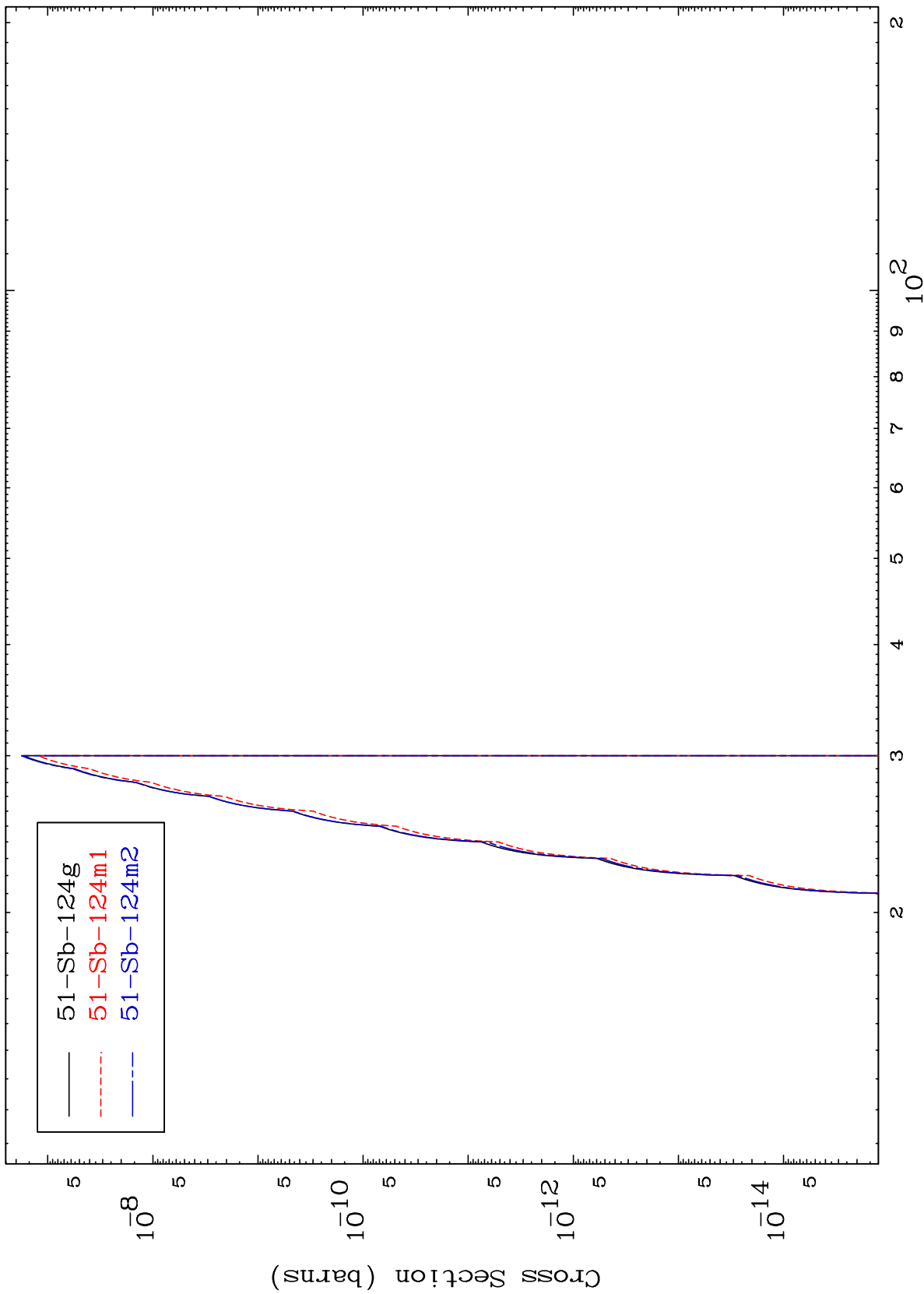


116

Incident Energy (MeV)

54-Xe-129

Radionuclide Production Cross Section



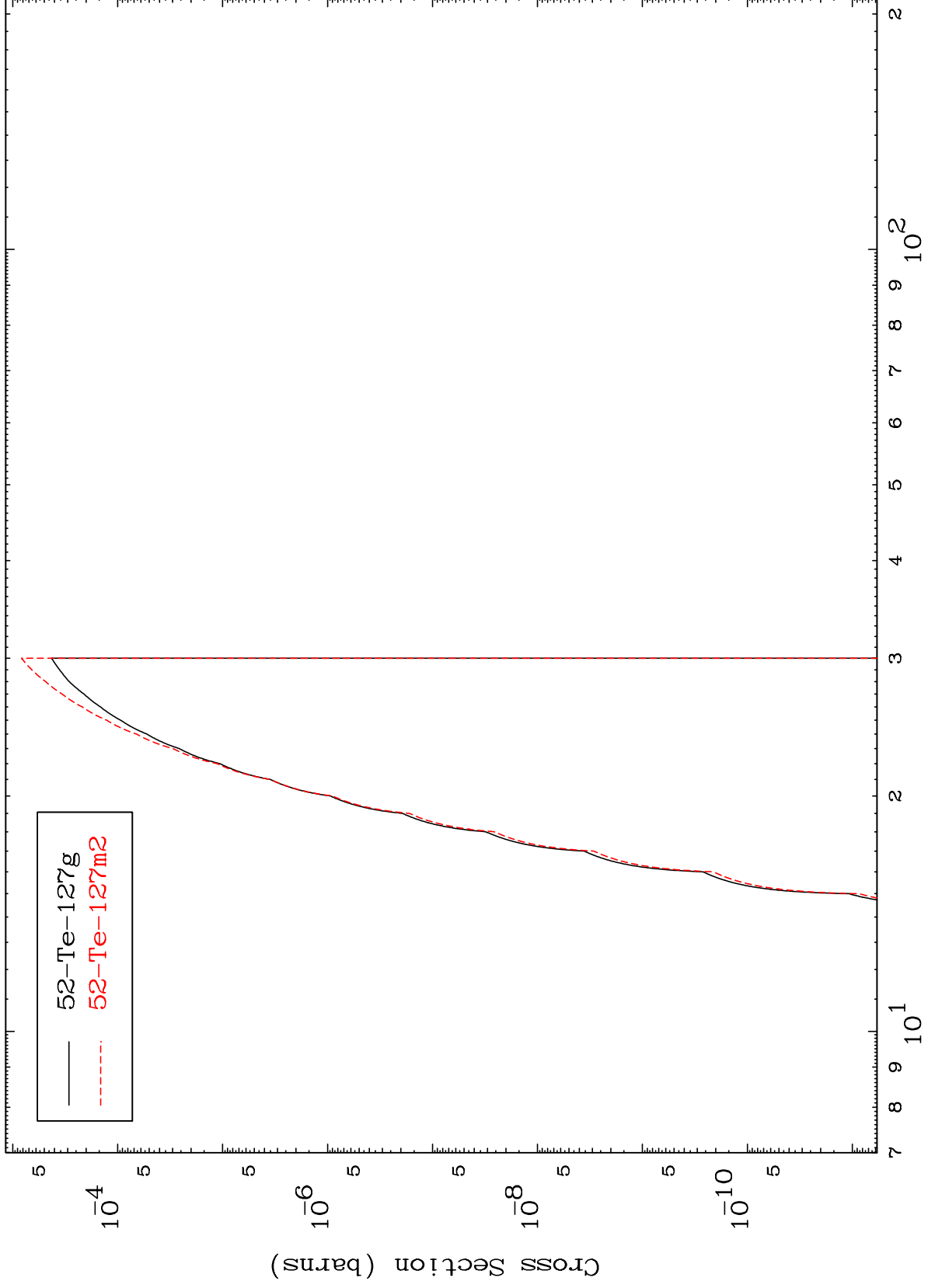
51-Sb-124g  
51-Sb-124m1  
51-Sb-124m2

MAT 5440

(n,He-3)

54-Xe-129

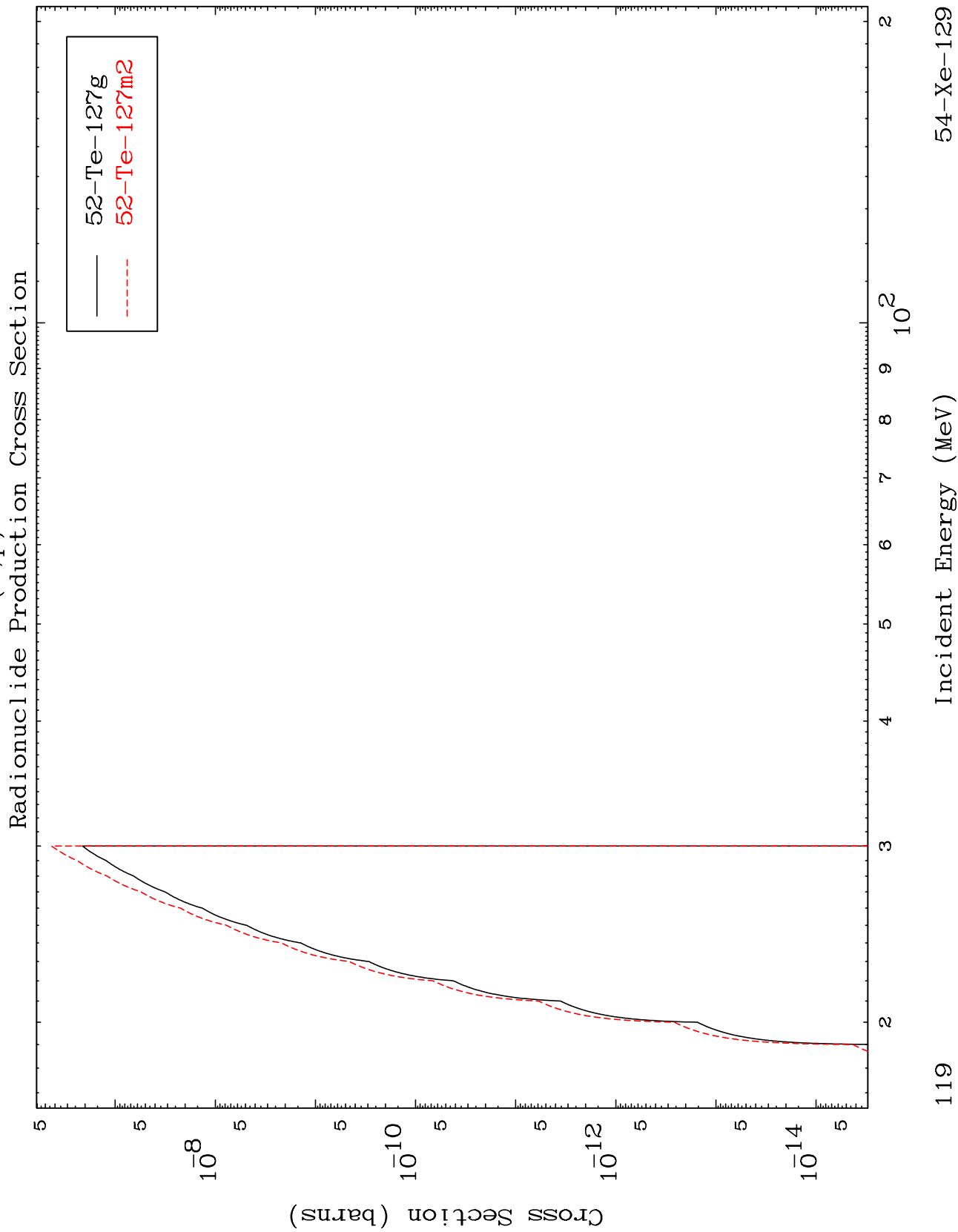
Radionuclide Production Cross Section



118

Incident Energy (MeV)

54-Xe-129

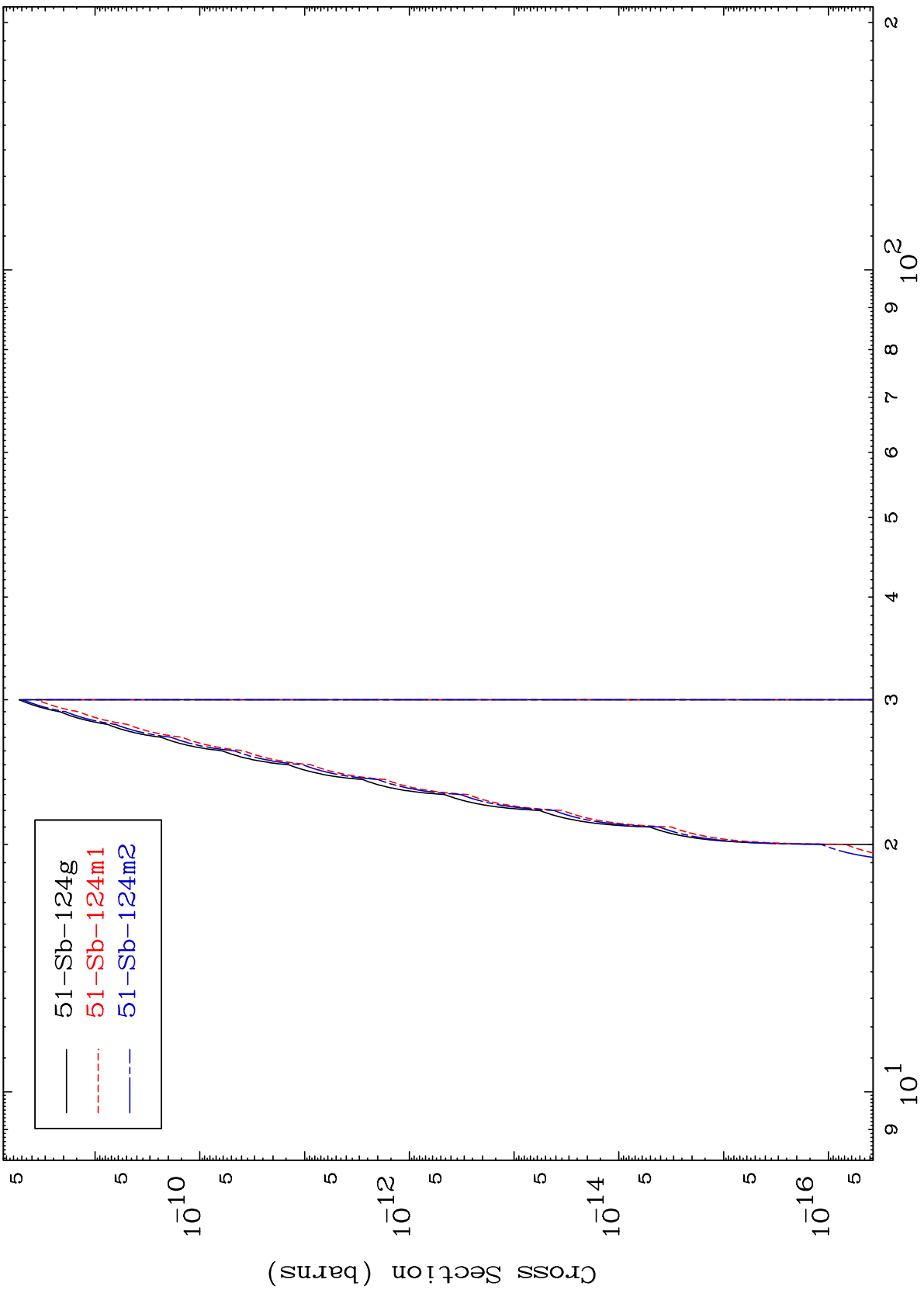


MAT 5440

(n,d)  $\alpha$

54-Xe-129

Radionuclide Production Cross Section



120

Incident Energy (MeV)

54-Xe-129