

Program EVALPLOT  
(Version 2021-1)

by

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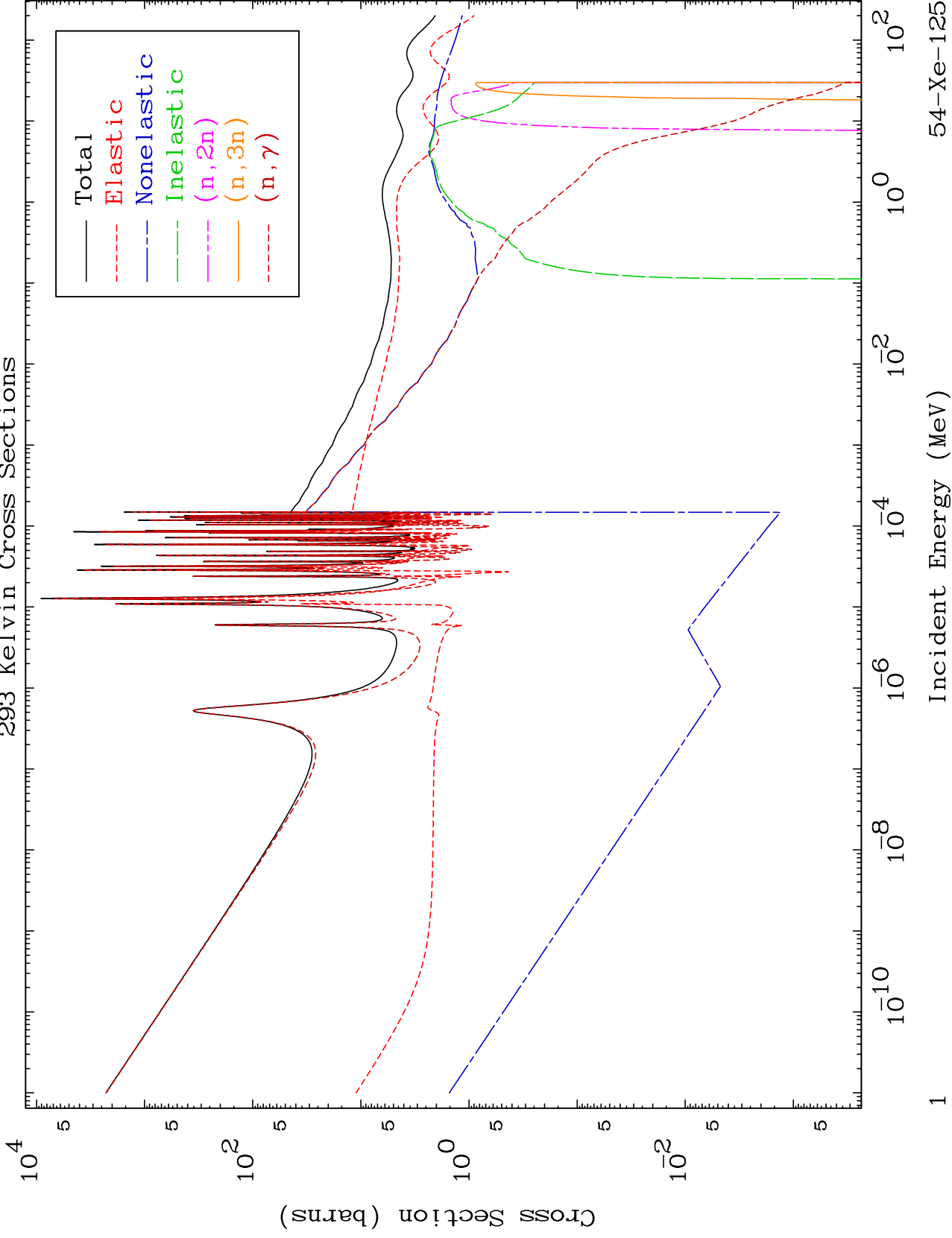
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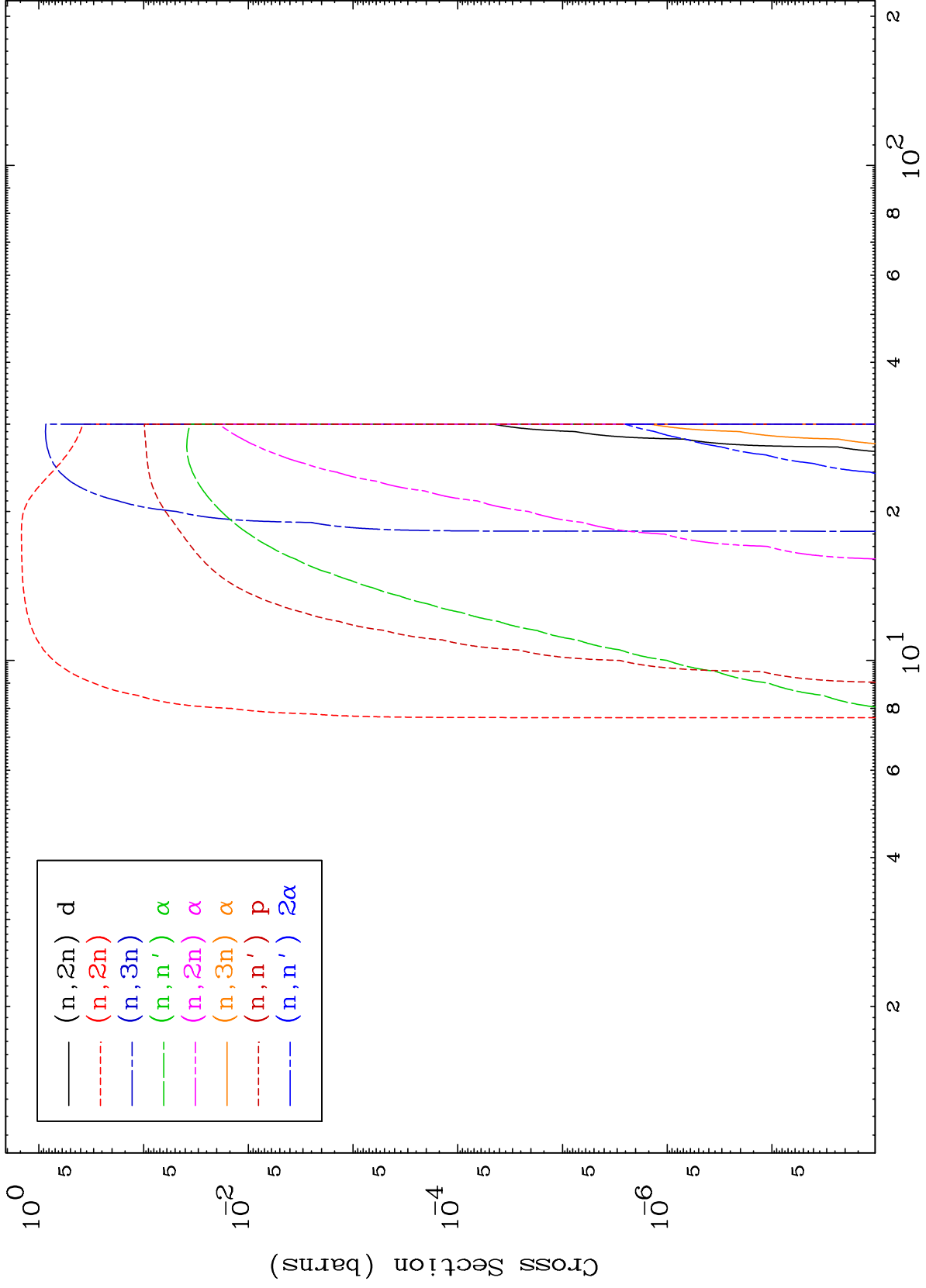
Press Mouse Button to Start

MAT 5428

Neutron Major  
293 Kelvins Cross Sections

54-Xe-125

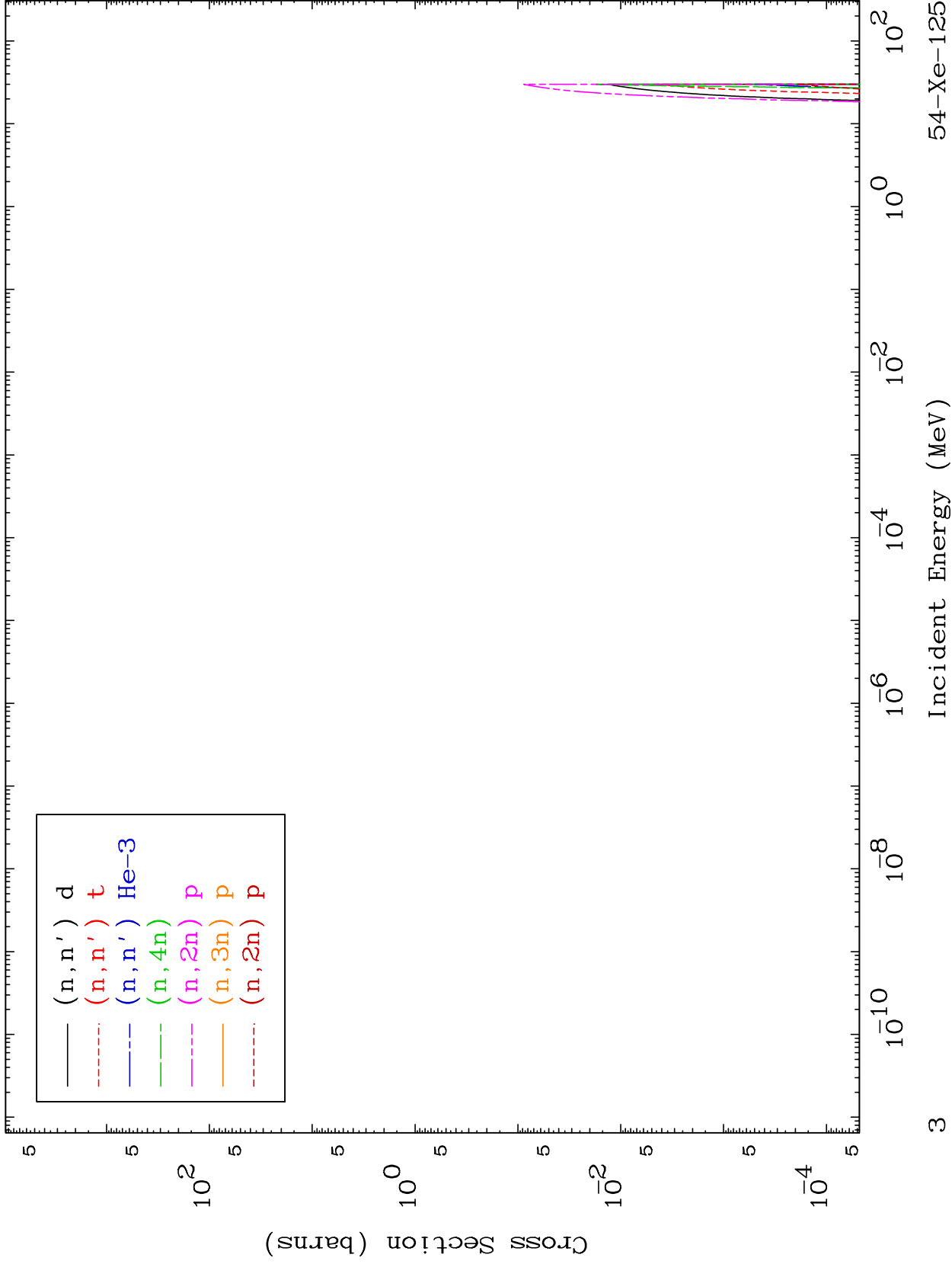




MAT 5428

Neutron Absorption  
293 Kelvin Cross Sections

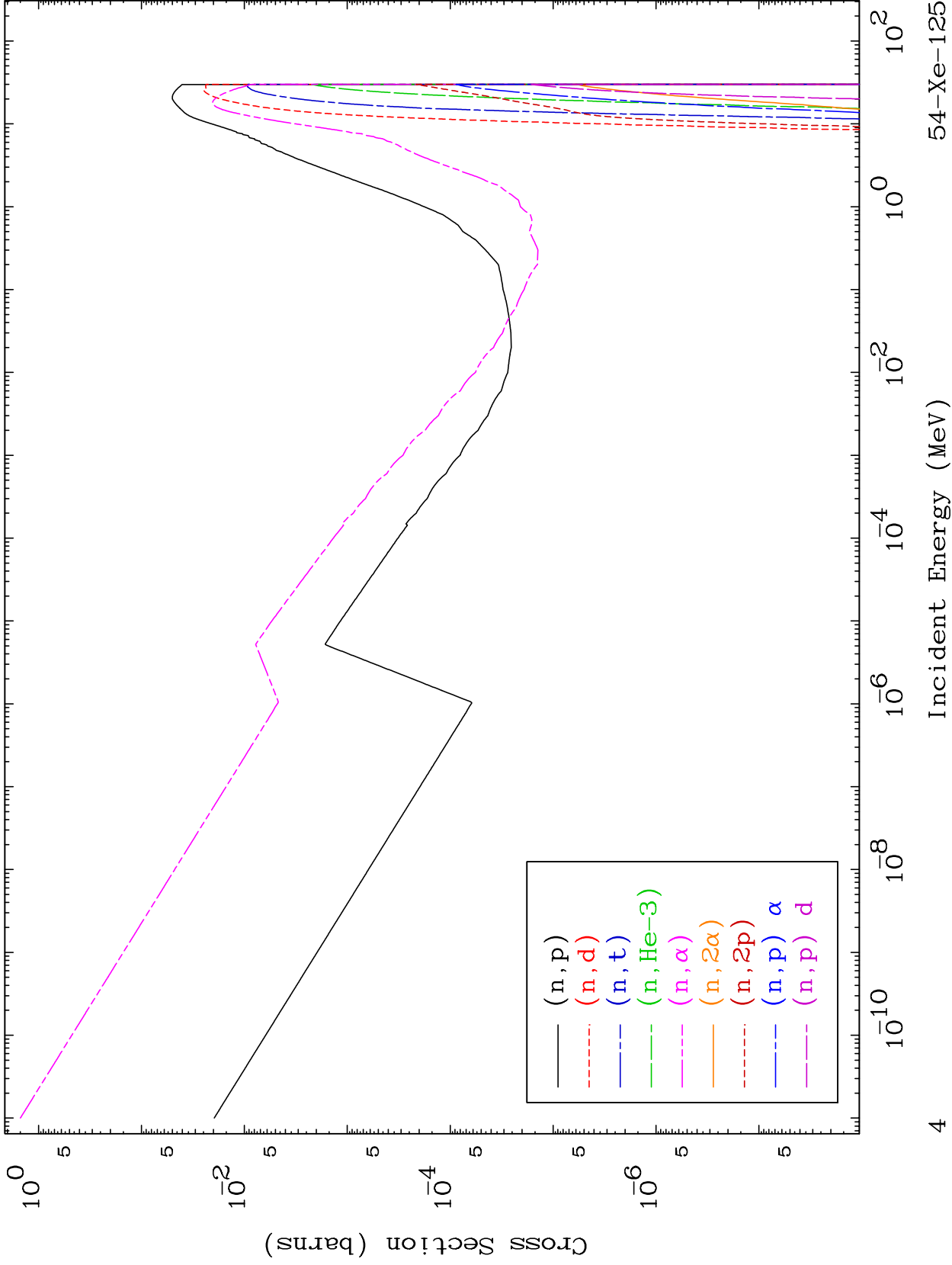
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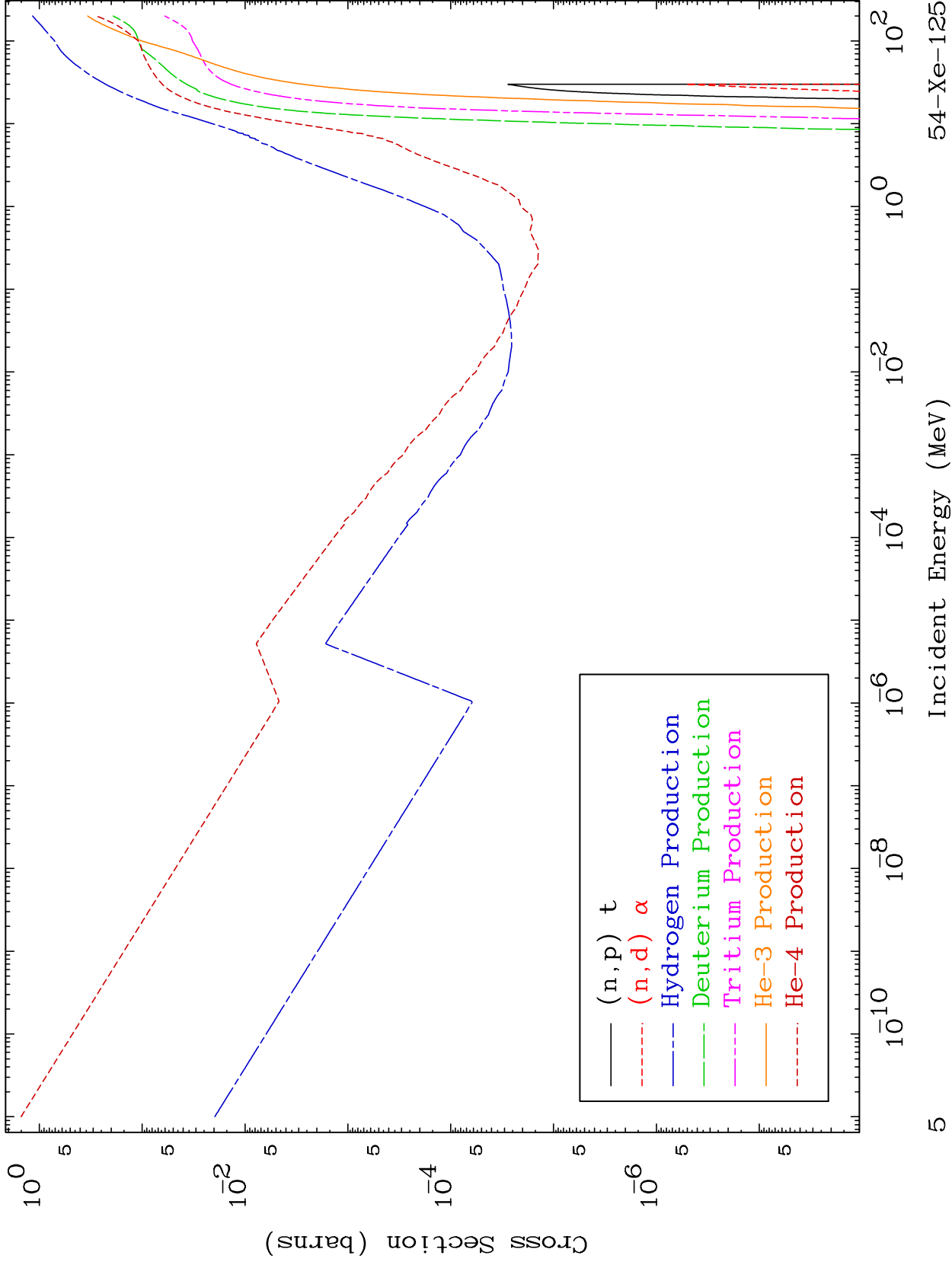


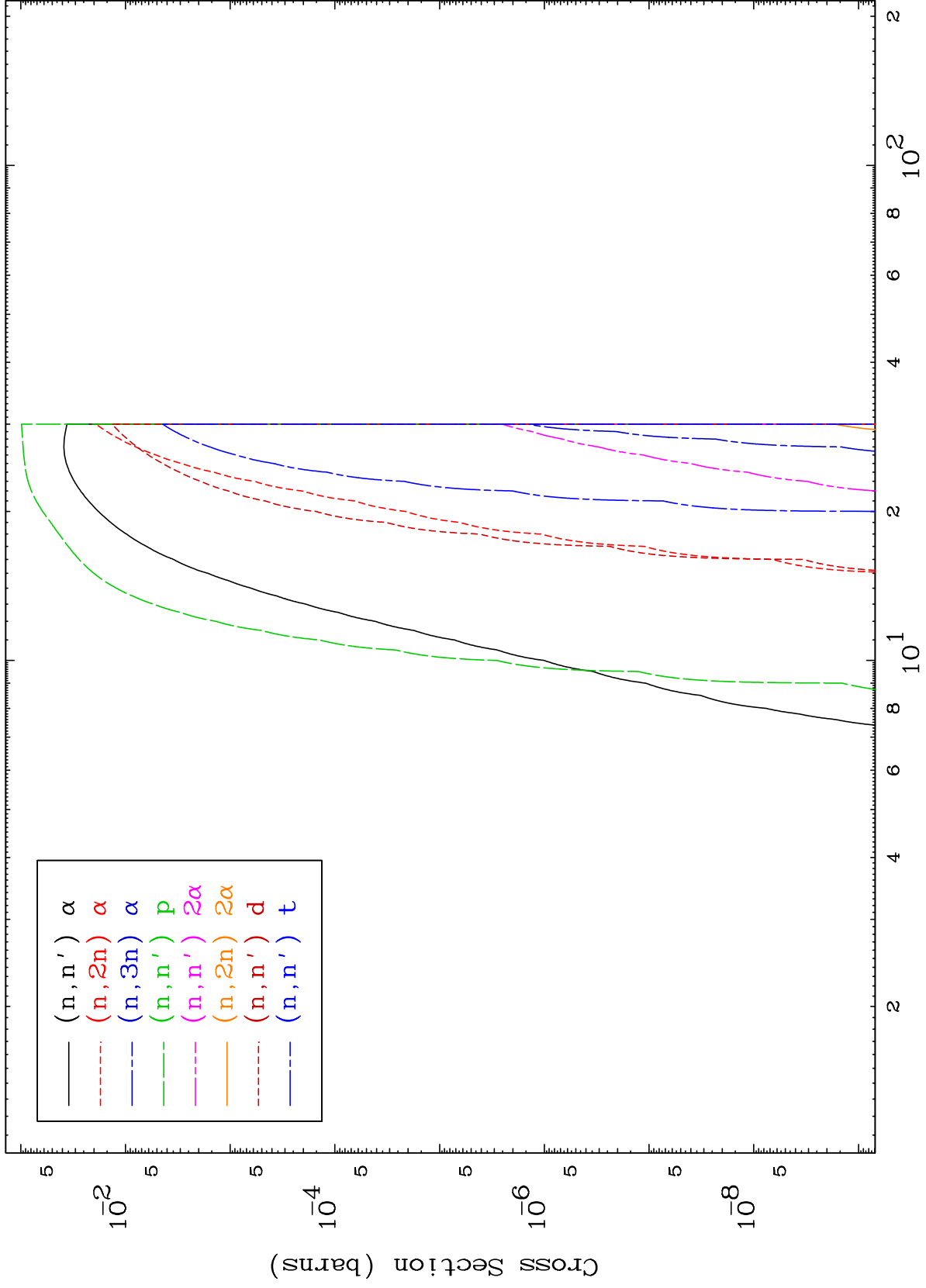
MAT 5428

Neutron Absorption  
293 Kelvin Cross Sections

54-Xe-125



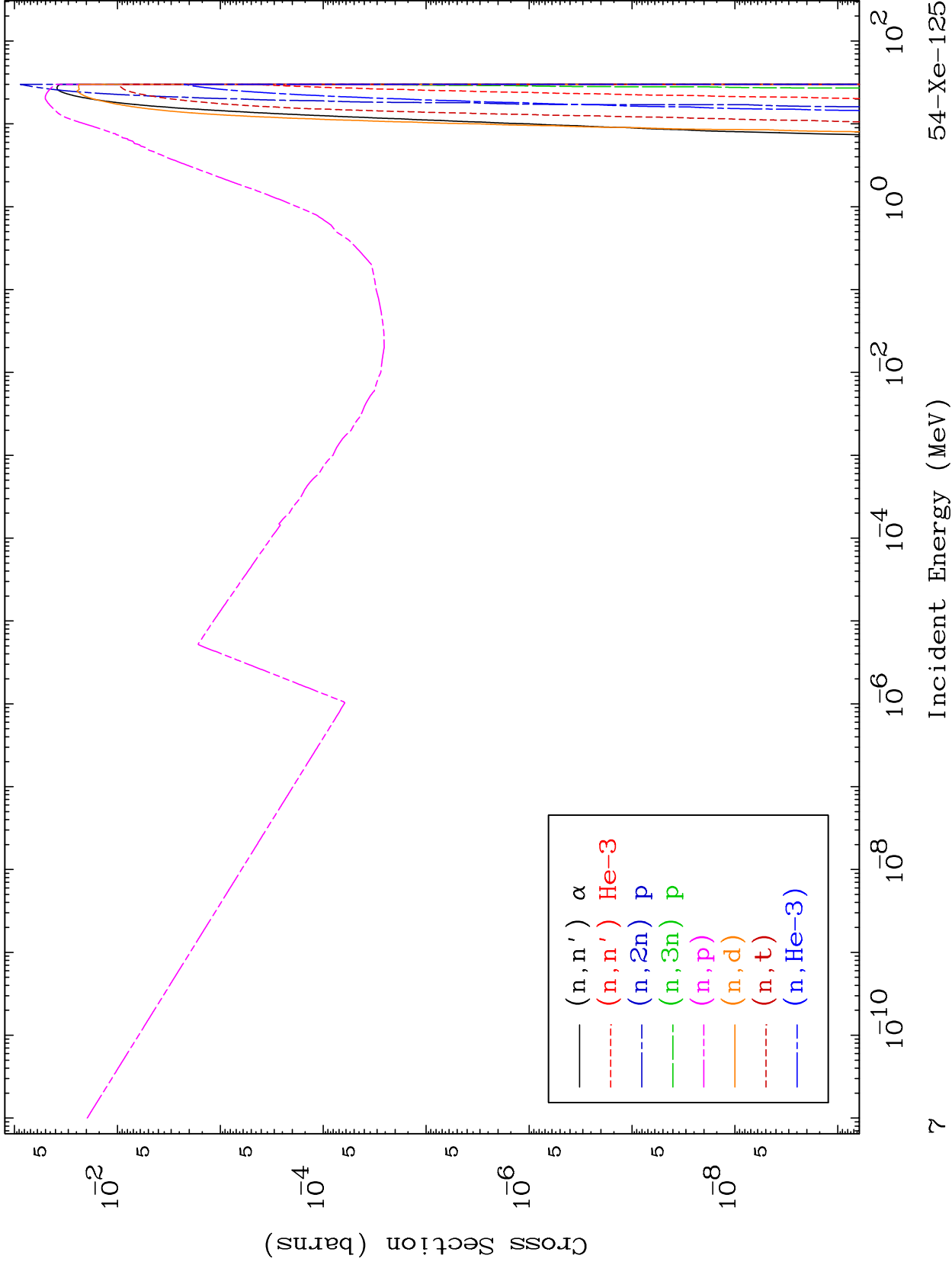




MAT 5428

Charged Particle  
293 Kelvin Cross Sections

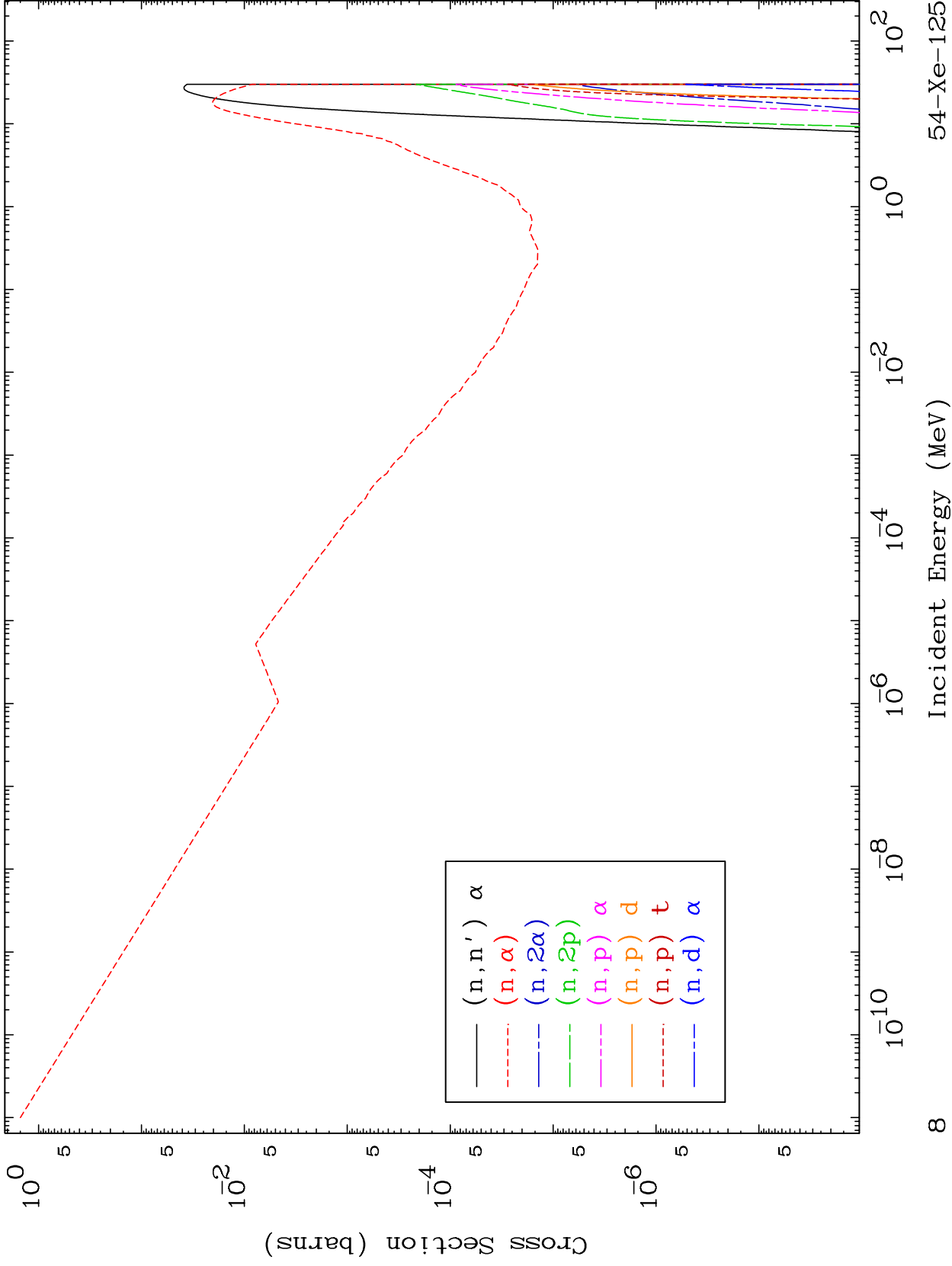
54-Xe-125



MAT 5428

Charged Particle  
293 Kelvin Cross Sections

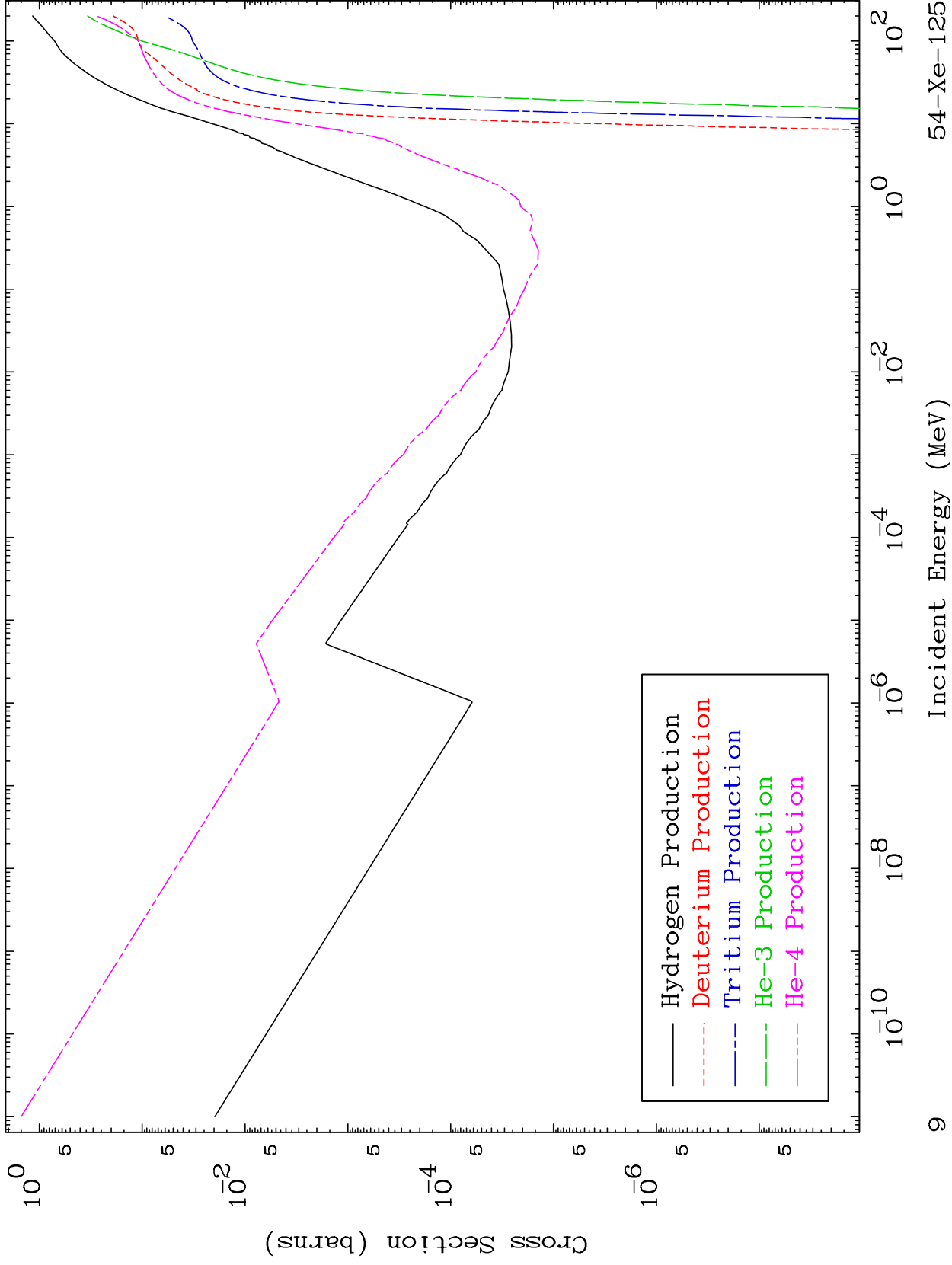
54-Xe-125



MAT 5428

Particle Production  
293 Kelvin Cross Sections

54-Xe-125

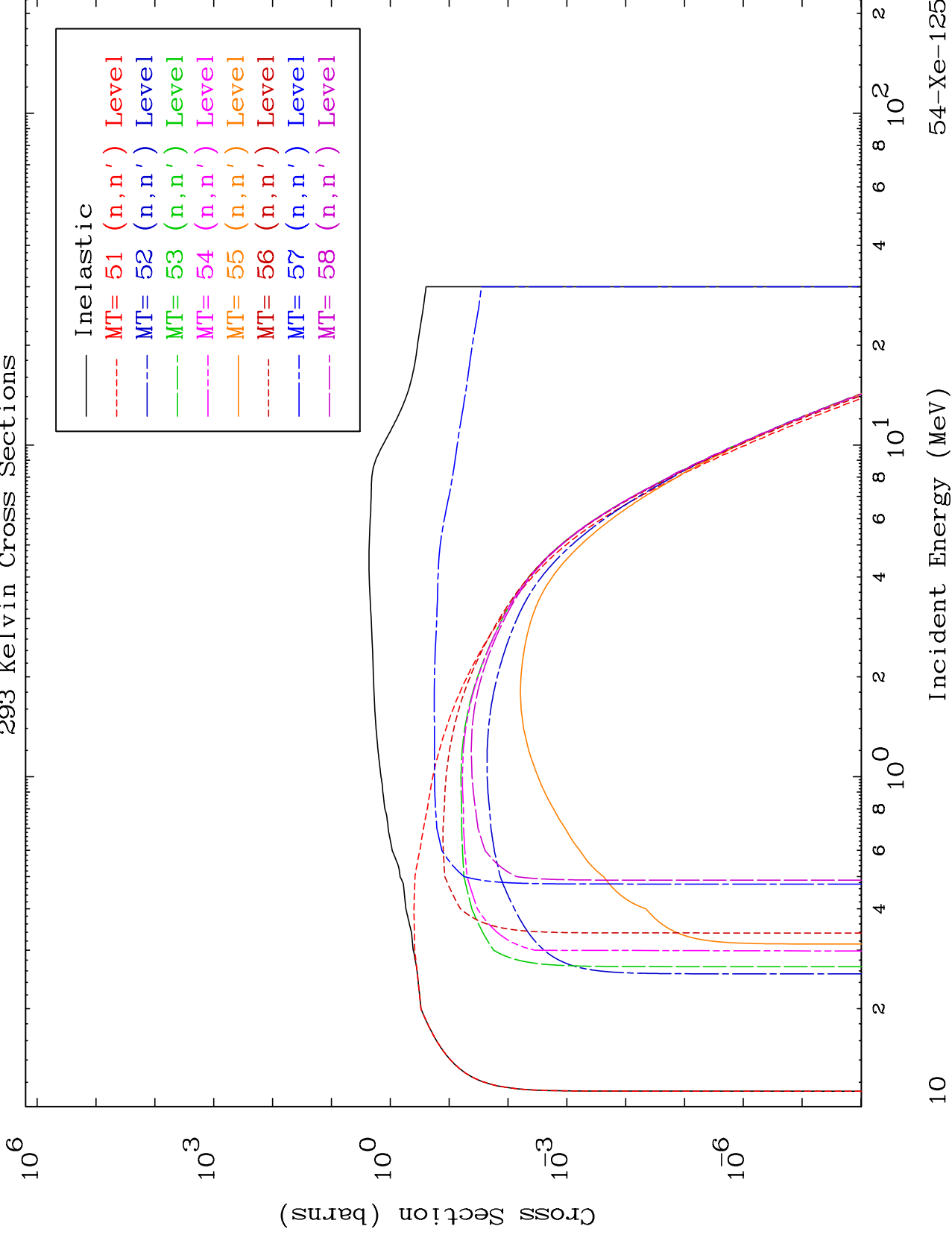


MAT 5428

(n,n') Levels

54-Xe-125

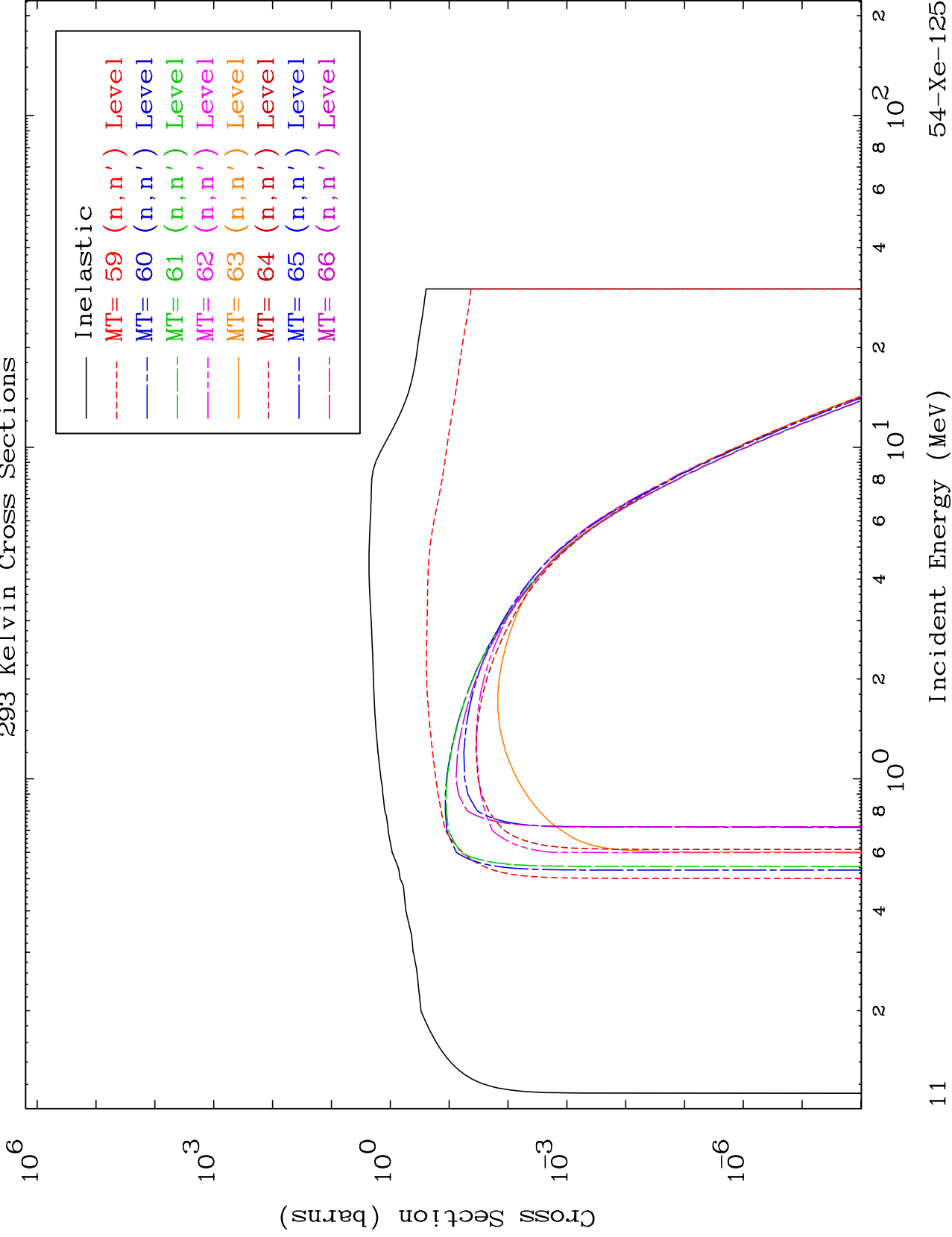
293 Kelvin Cross Sections



10

Incident Energy (MeV)

54-Xe-125

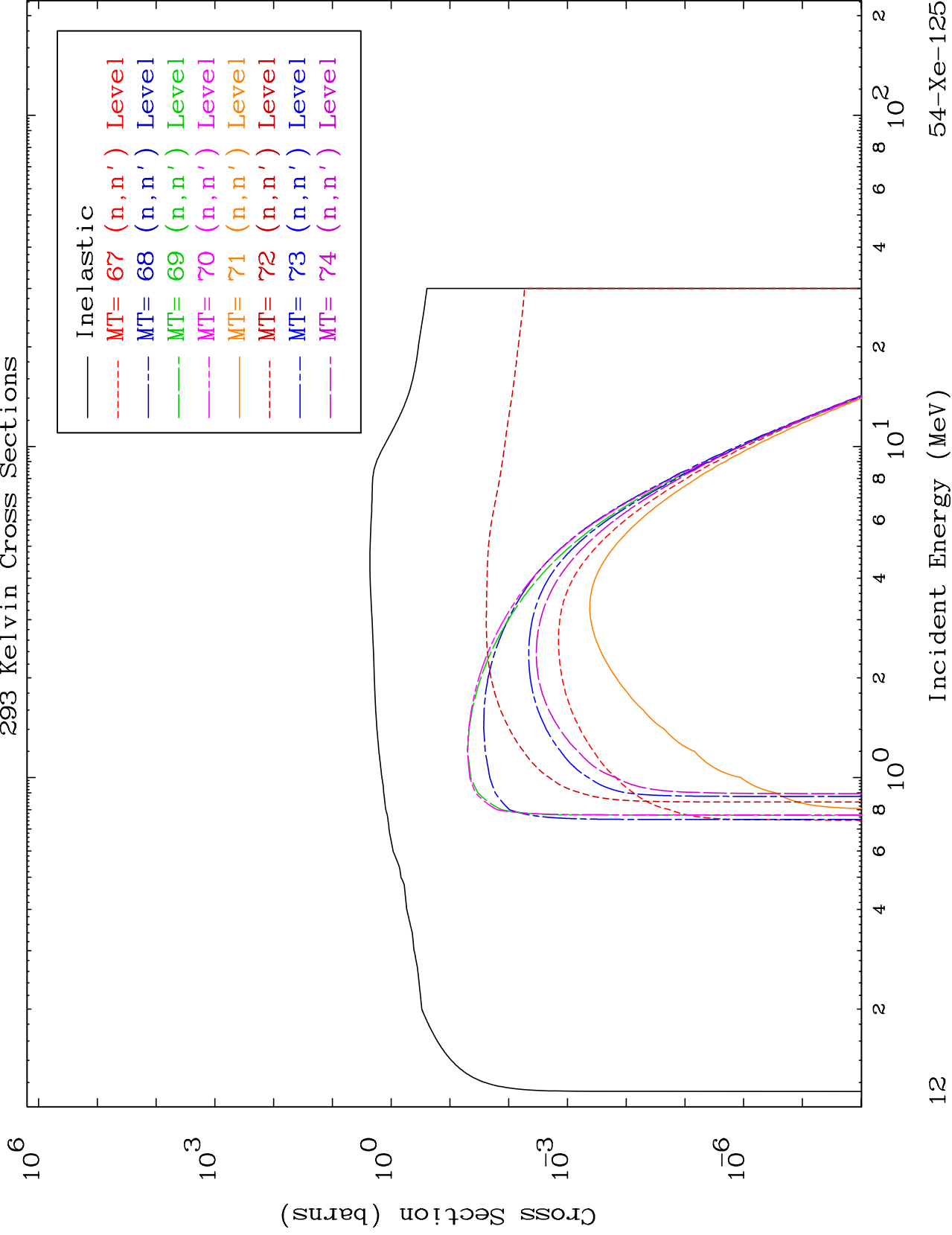


MAT 5428

(n,n') Levels

293 Kelvin Cross Sections

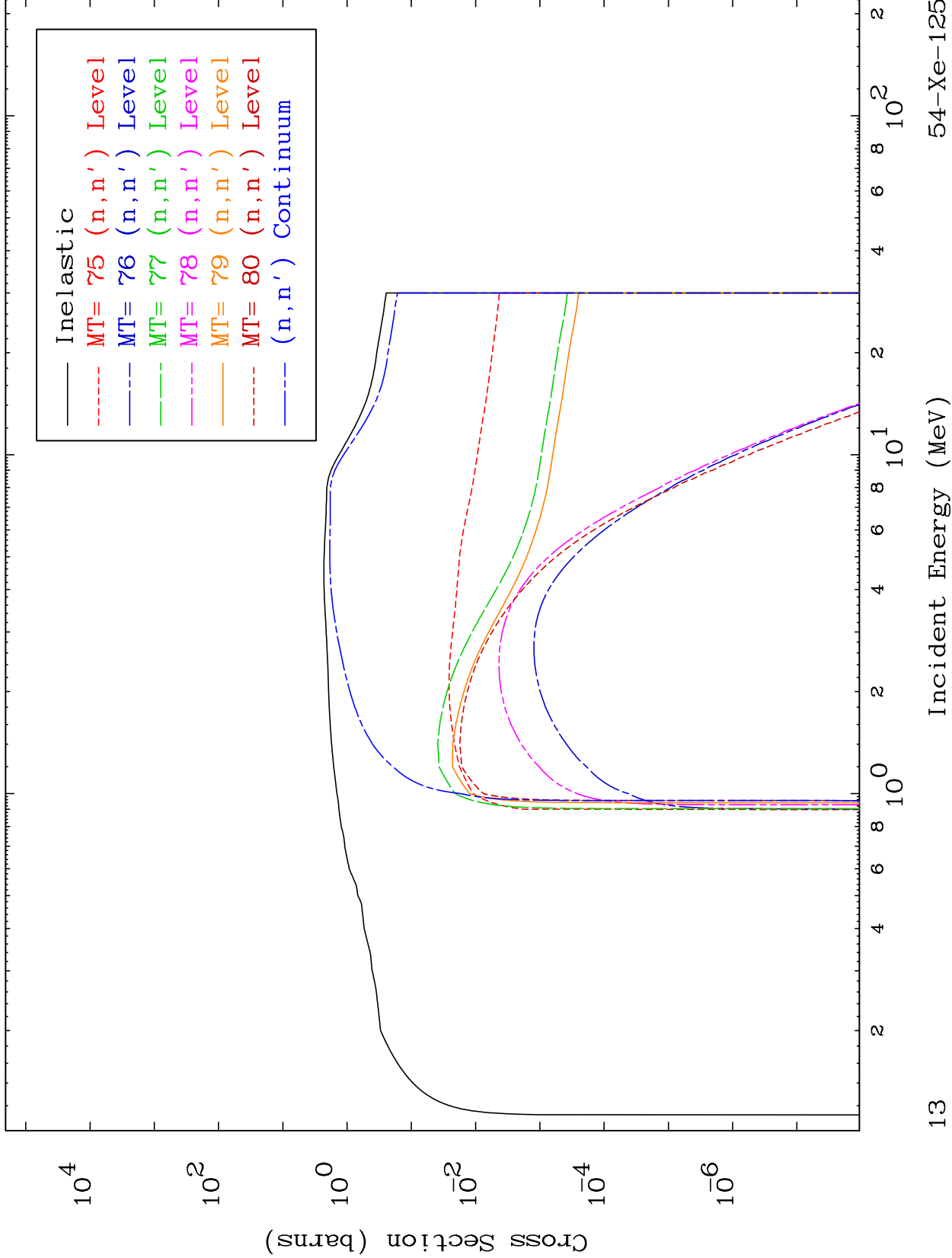
54-Xe-125



12

Incident Energy (MeV)

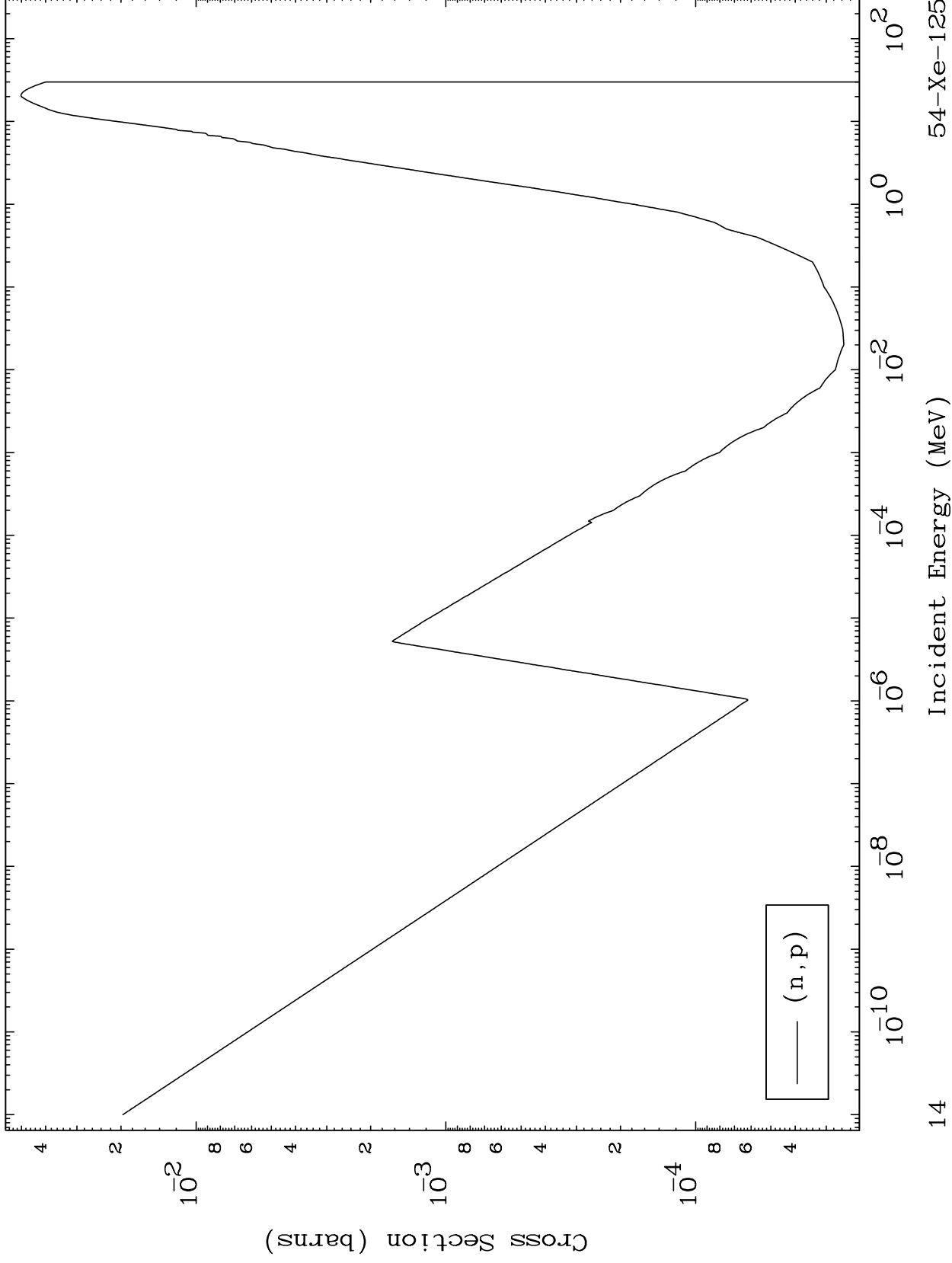
54-Xe-125



MAT 5428

(n,p) Levels  
293 Kelvin Cross Sections

54-Xe-125

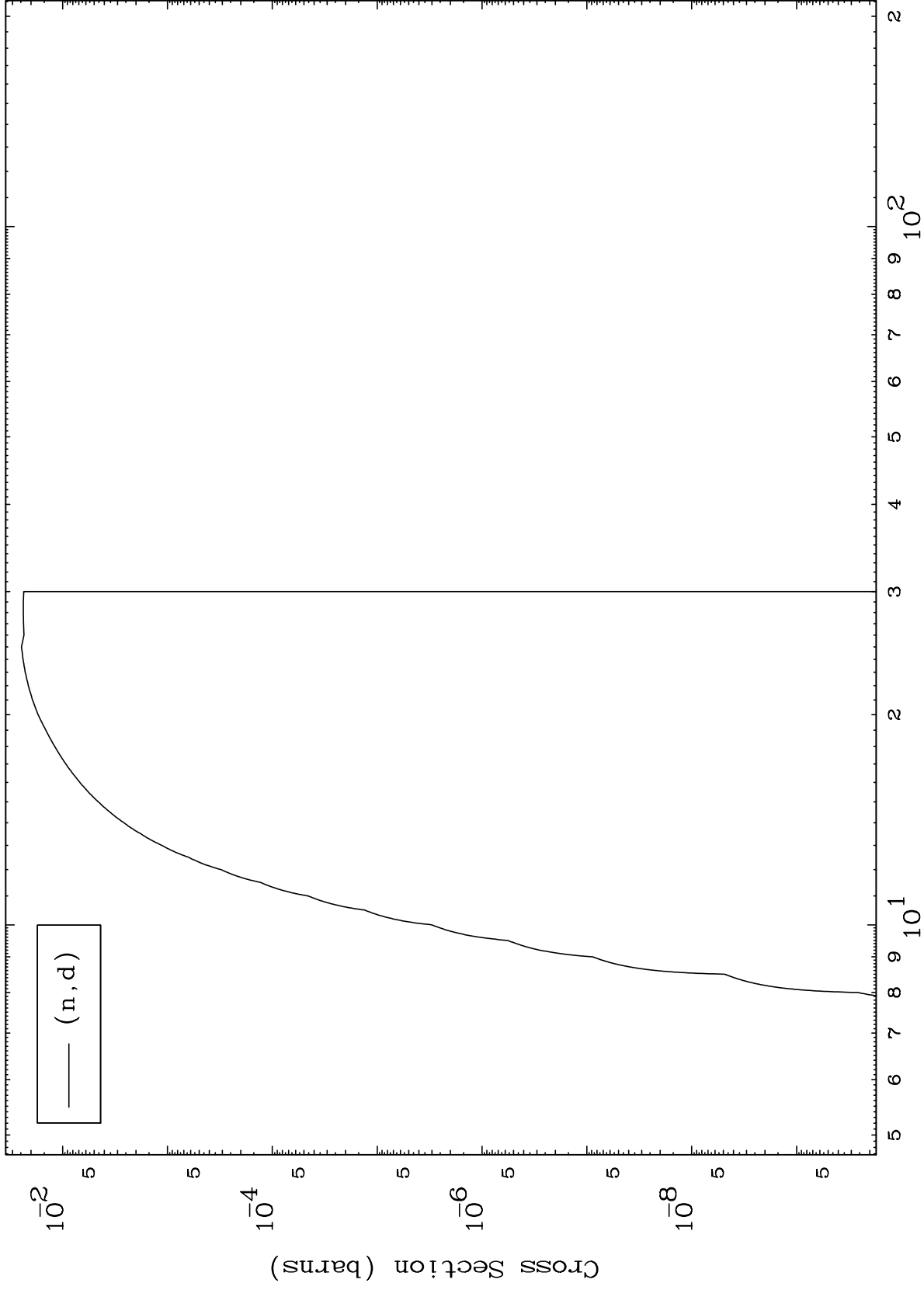


14

MAT 5428

(n,d) Levels  
293 Kelvin Cross Sections

54-Xe-125



15

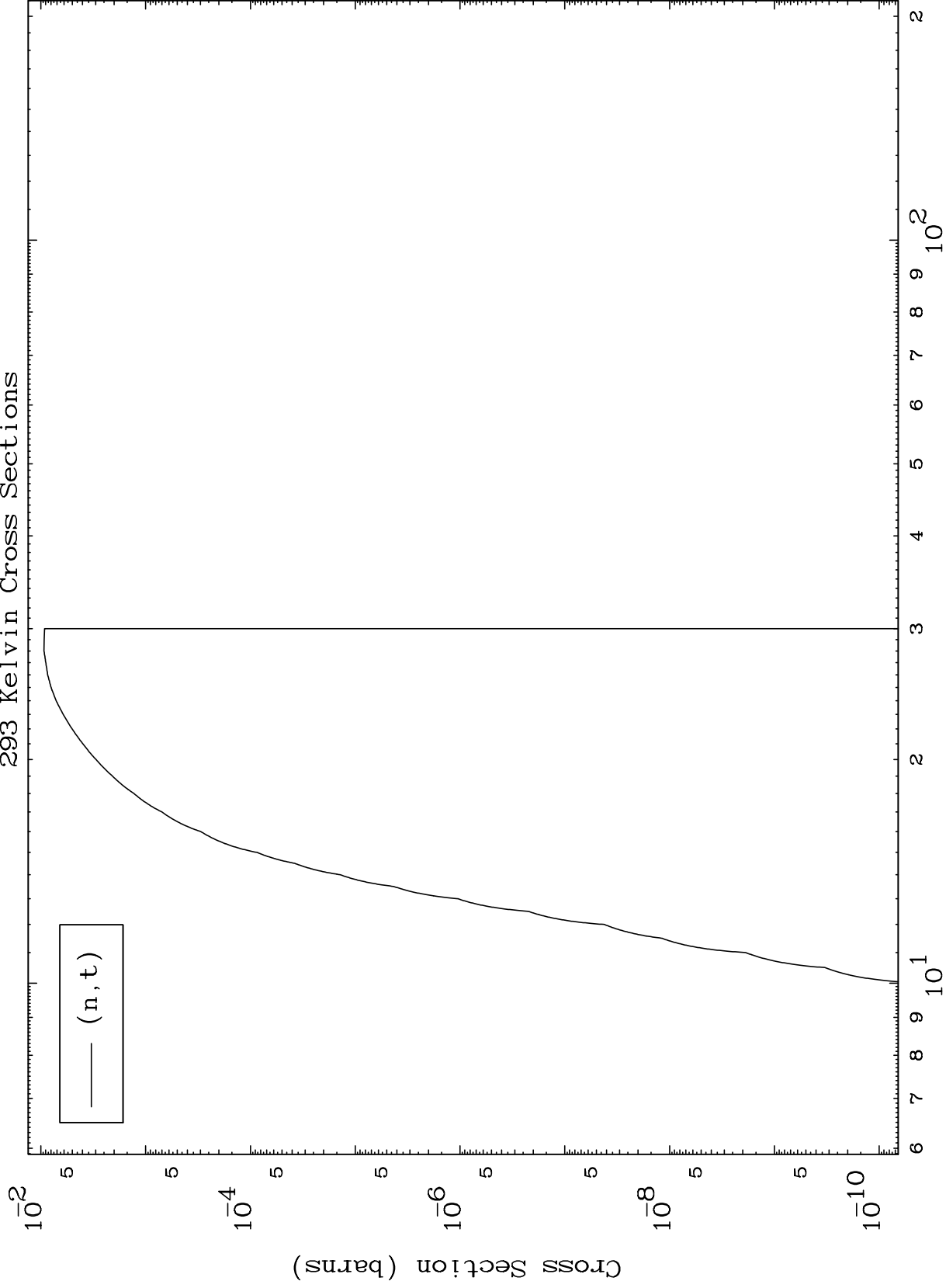
Incident Energy (MeV)

54-Xe-125

MAT 5428

(n,t) Levels  
293 Kelvin Cross Sections

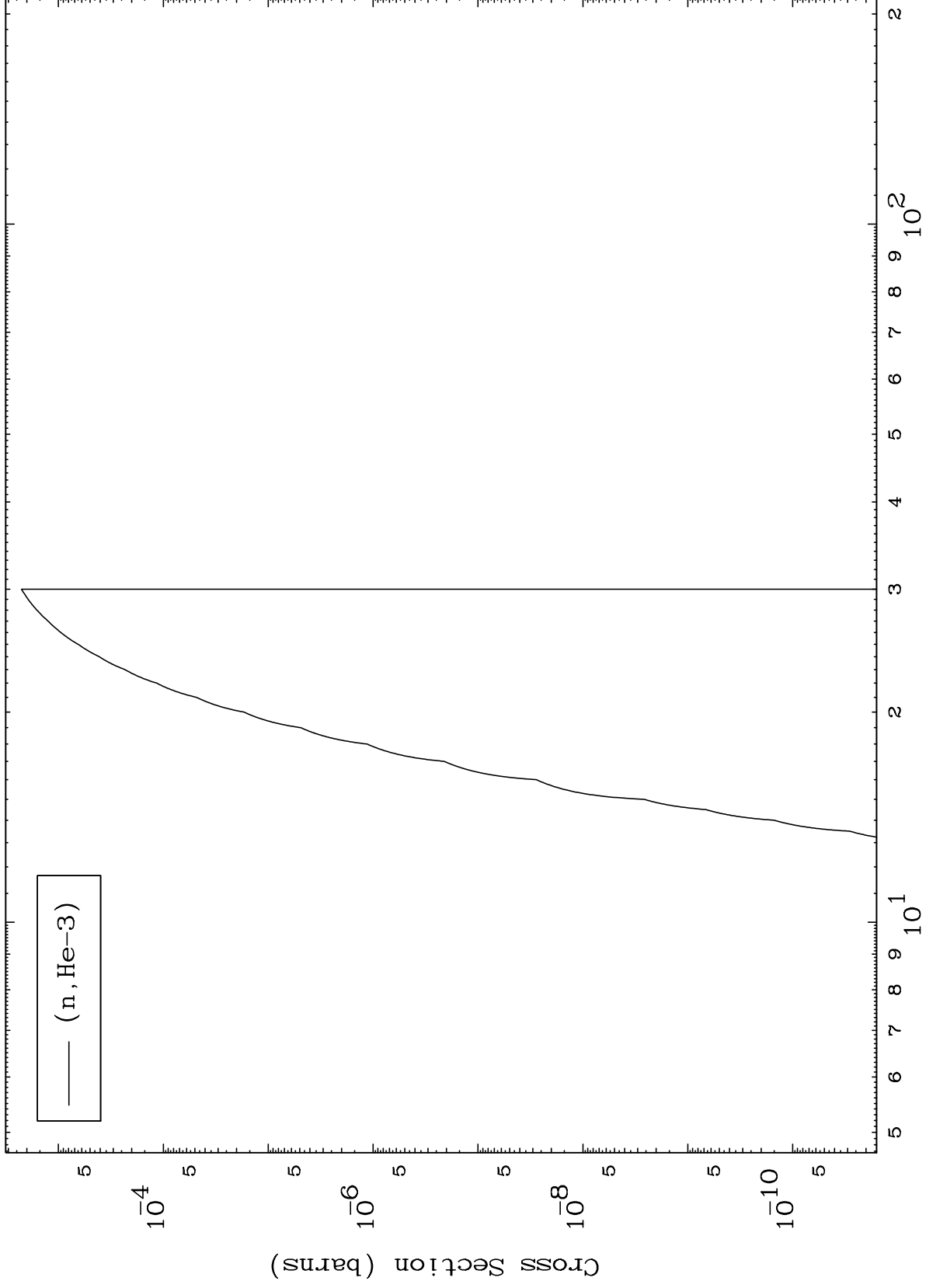
54-Xe-125



16

Incident Energy (MeV)

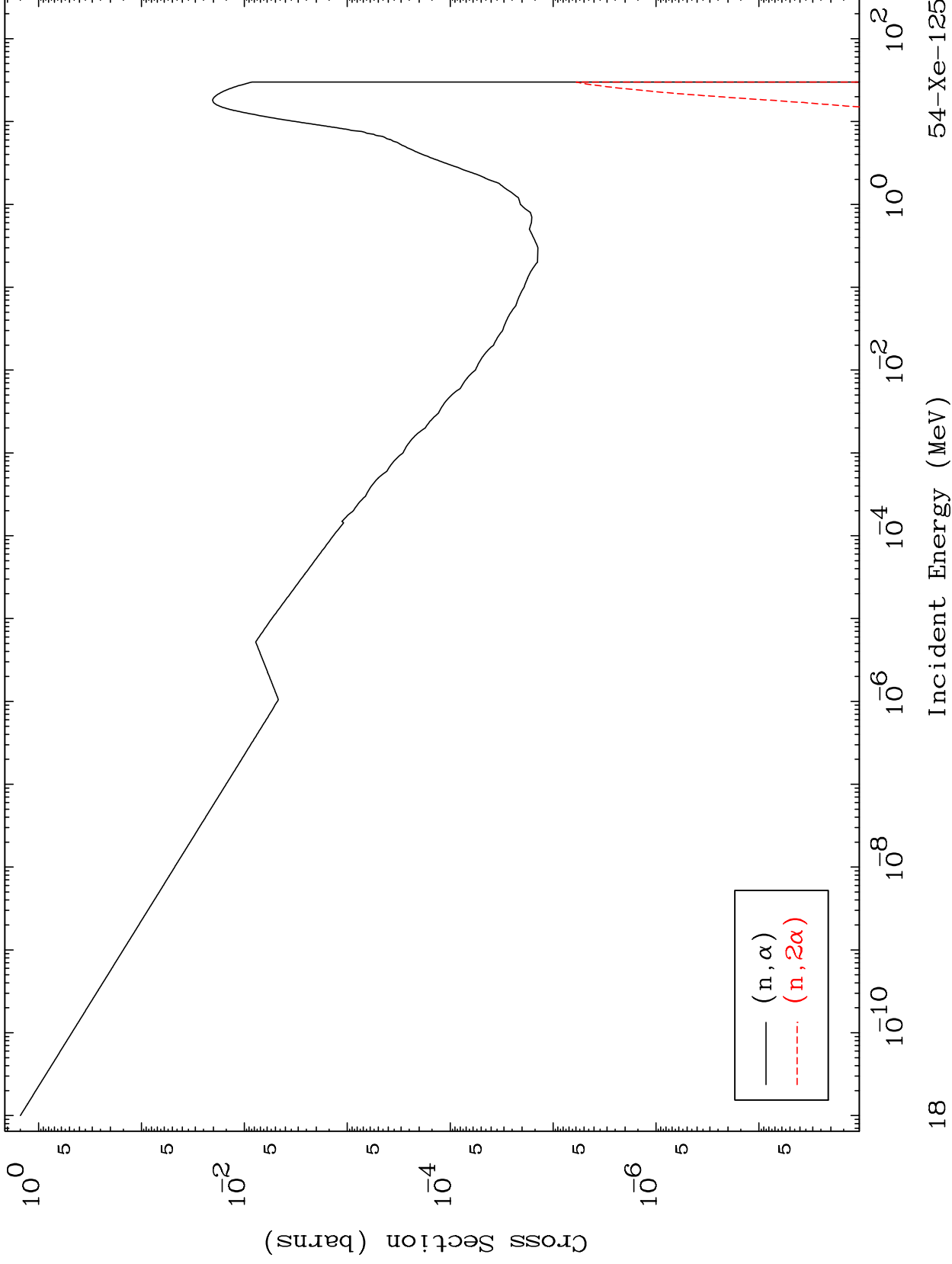
54-Xe-125



MAT 5428

(n,α) Levels  
293 Kelvin Cross Sections

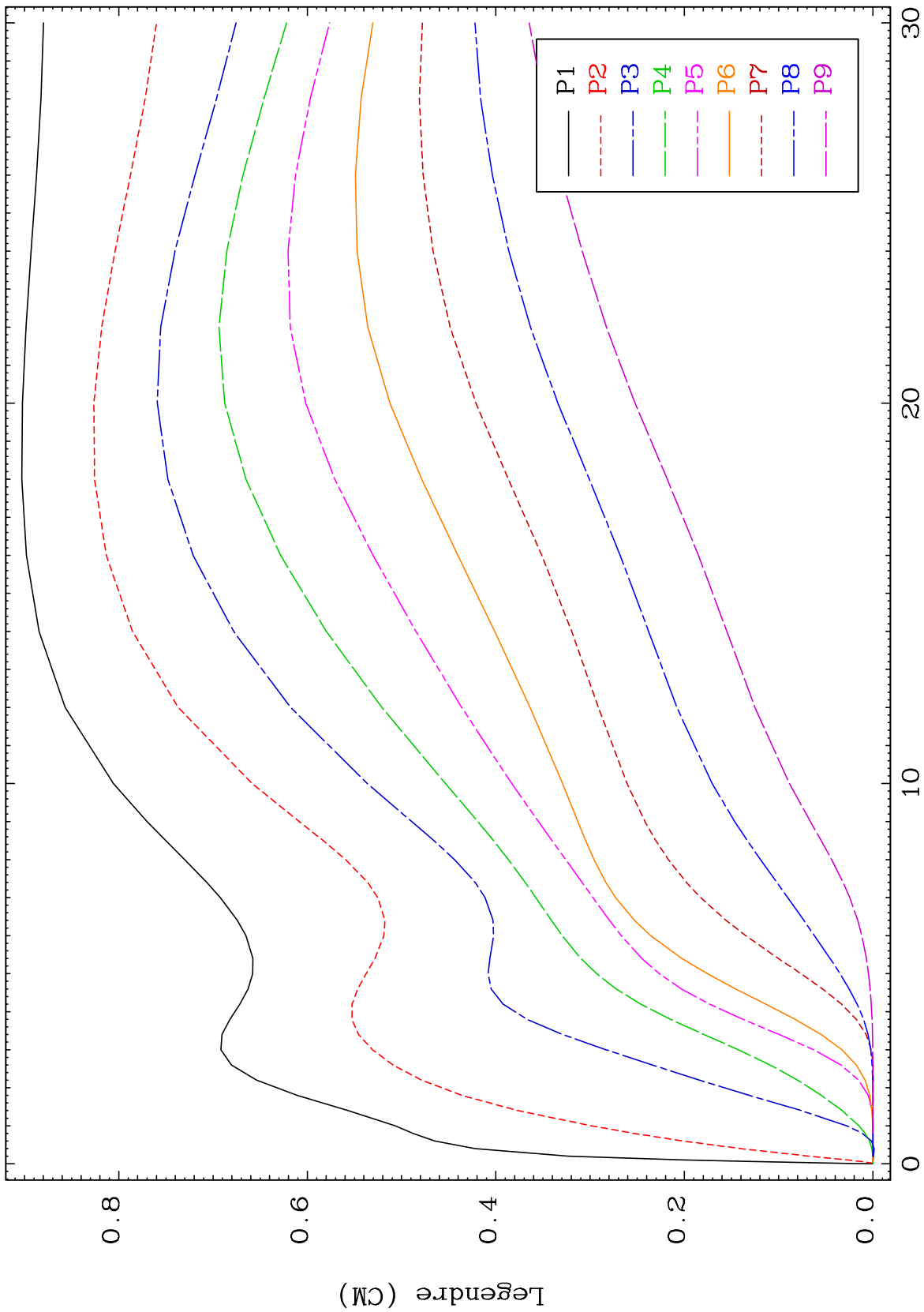
54-Xe-125



MAT 5428

54-Xe-125

Elastic Legendre Coefficients



19

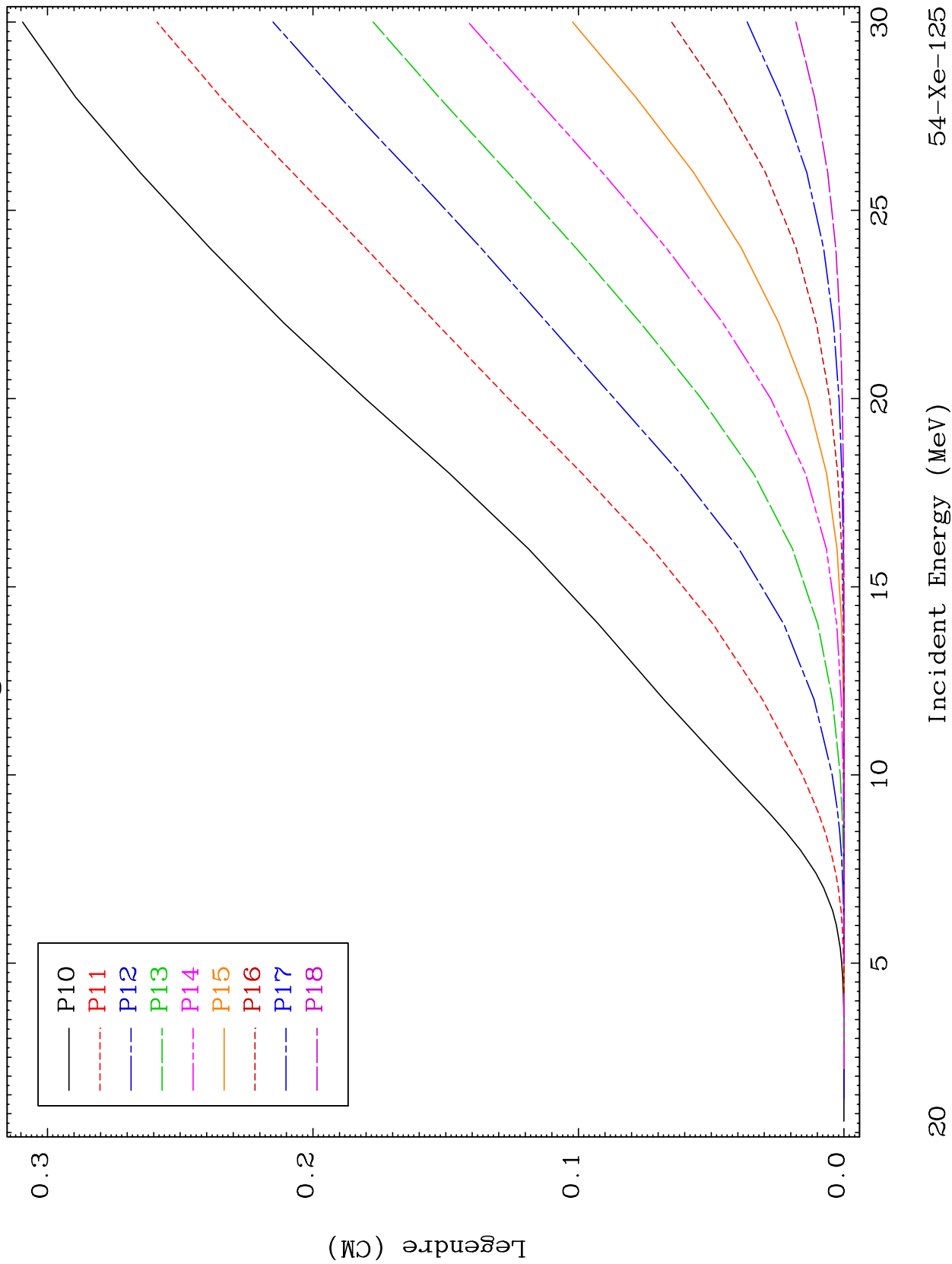
Incident Energy (MeV)

54-Xe-125

MAT 5428

Elastic Legendre Coefficients

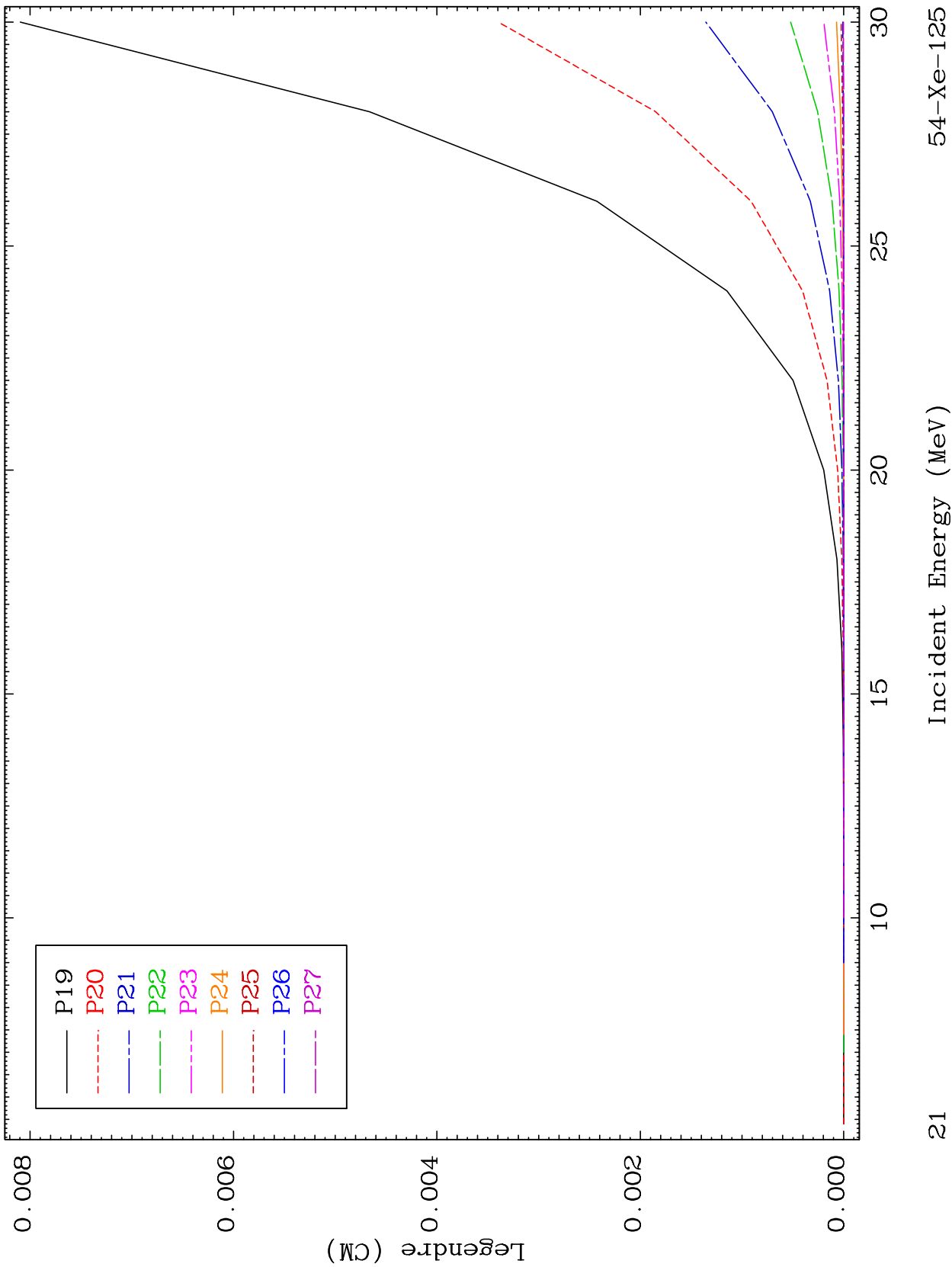
54-Xe-125



MAT 5428

Elastic Legendre Coefficients

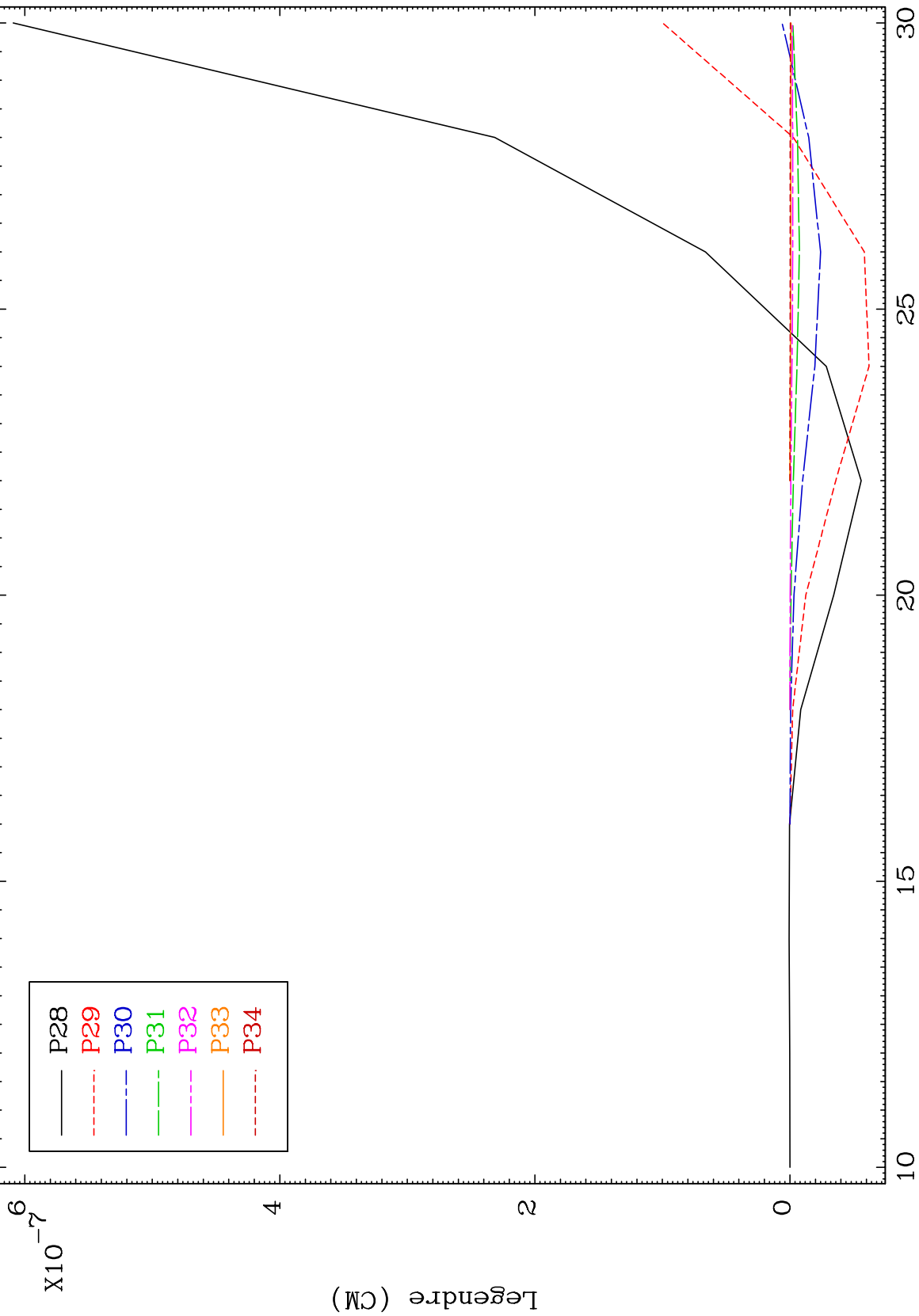
54-Xe-125



MAT 5428

Elastic Legendre Coefficients

54-Xe-125



22

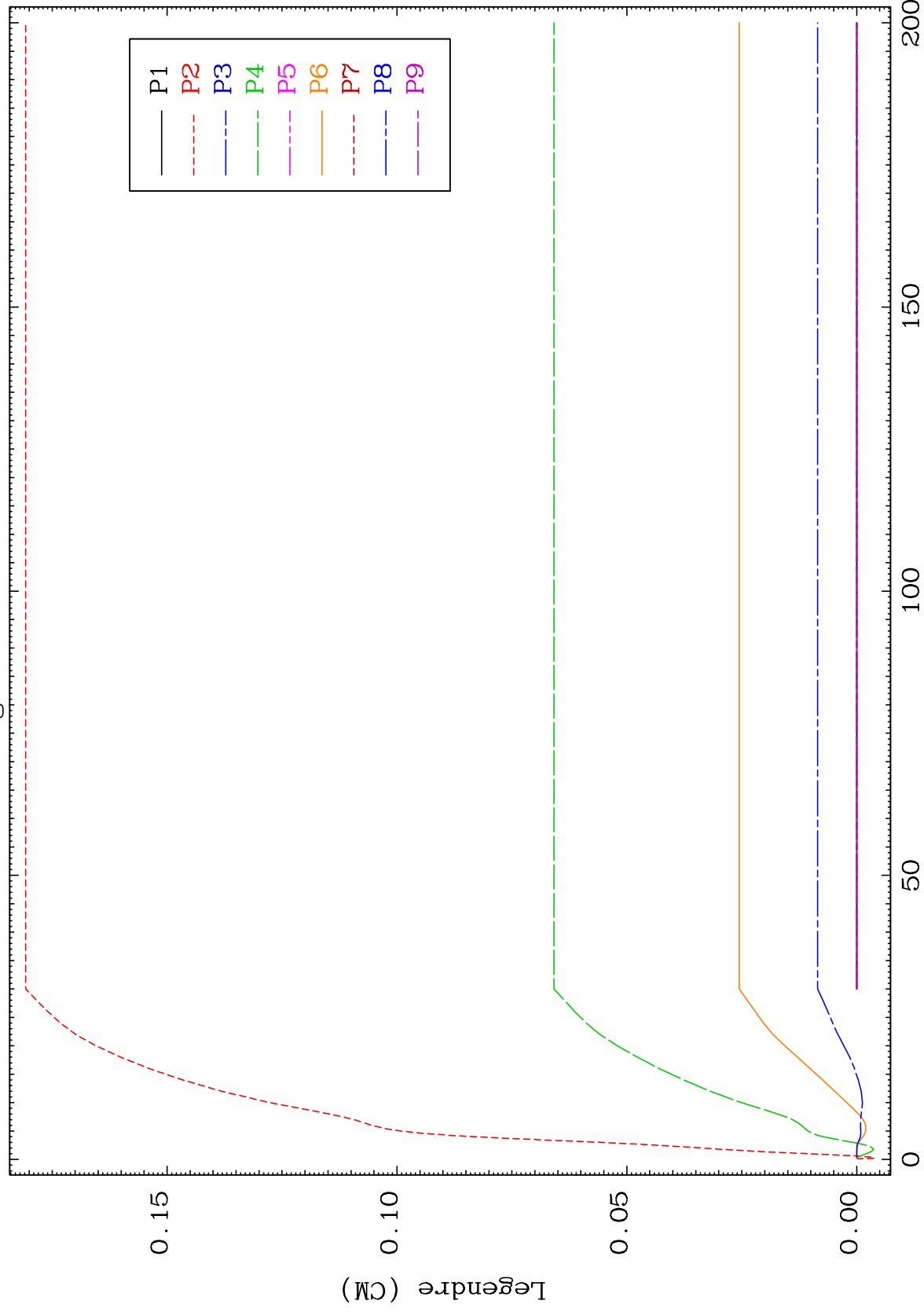
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



23

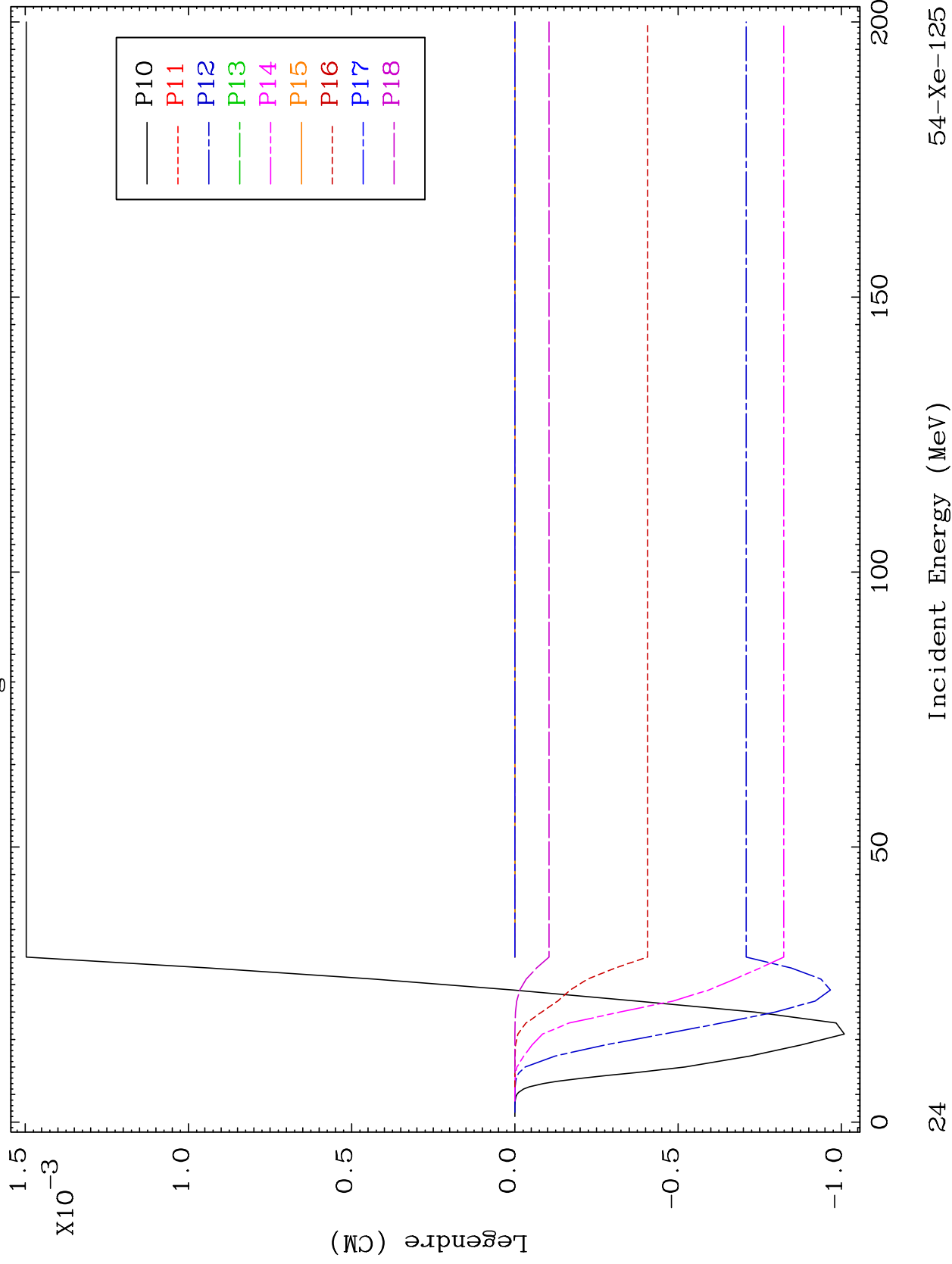
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



24

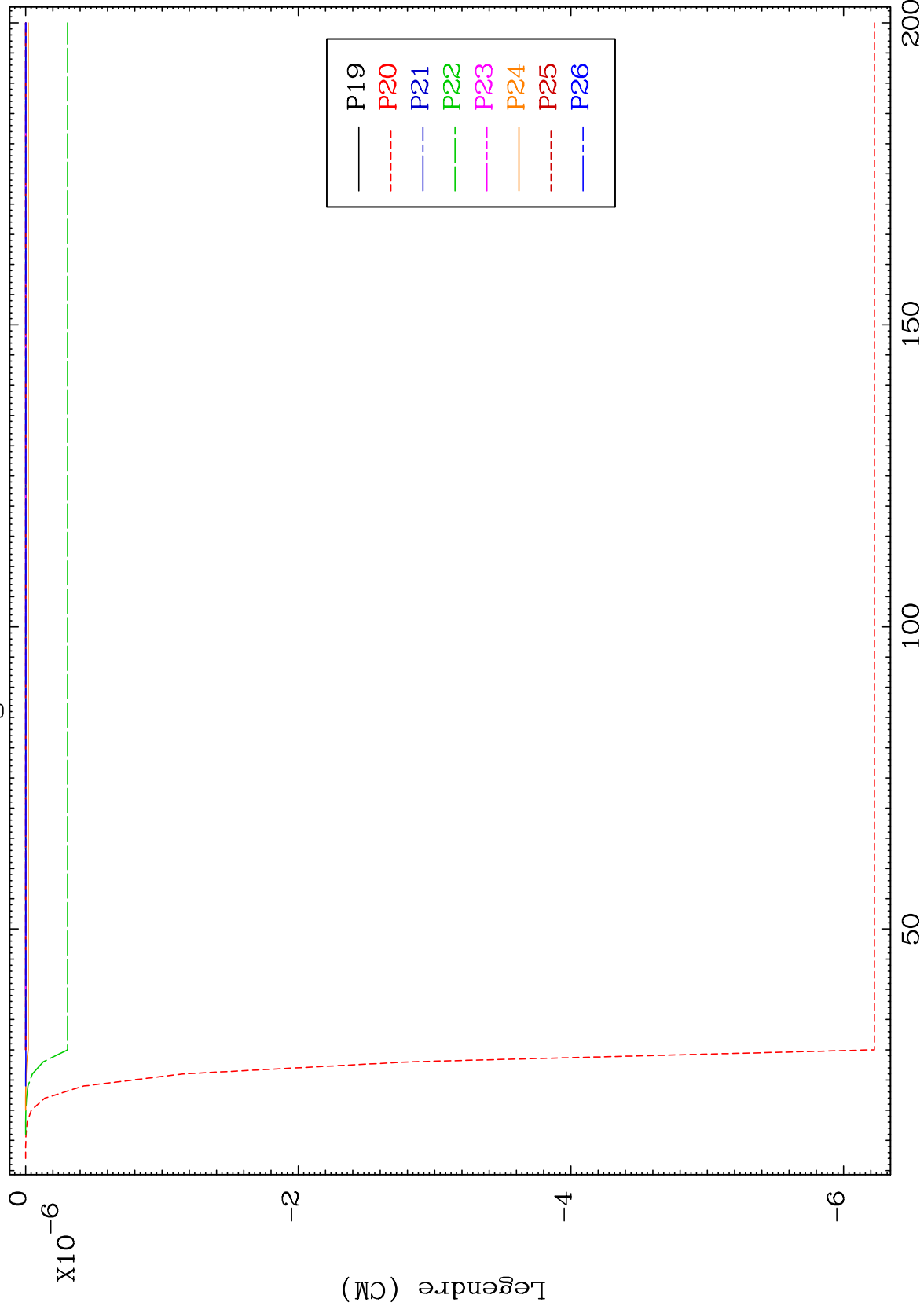
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



54-Xe-125

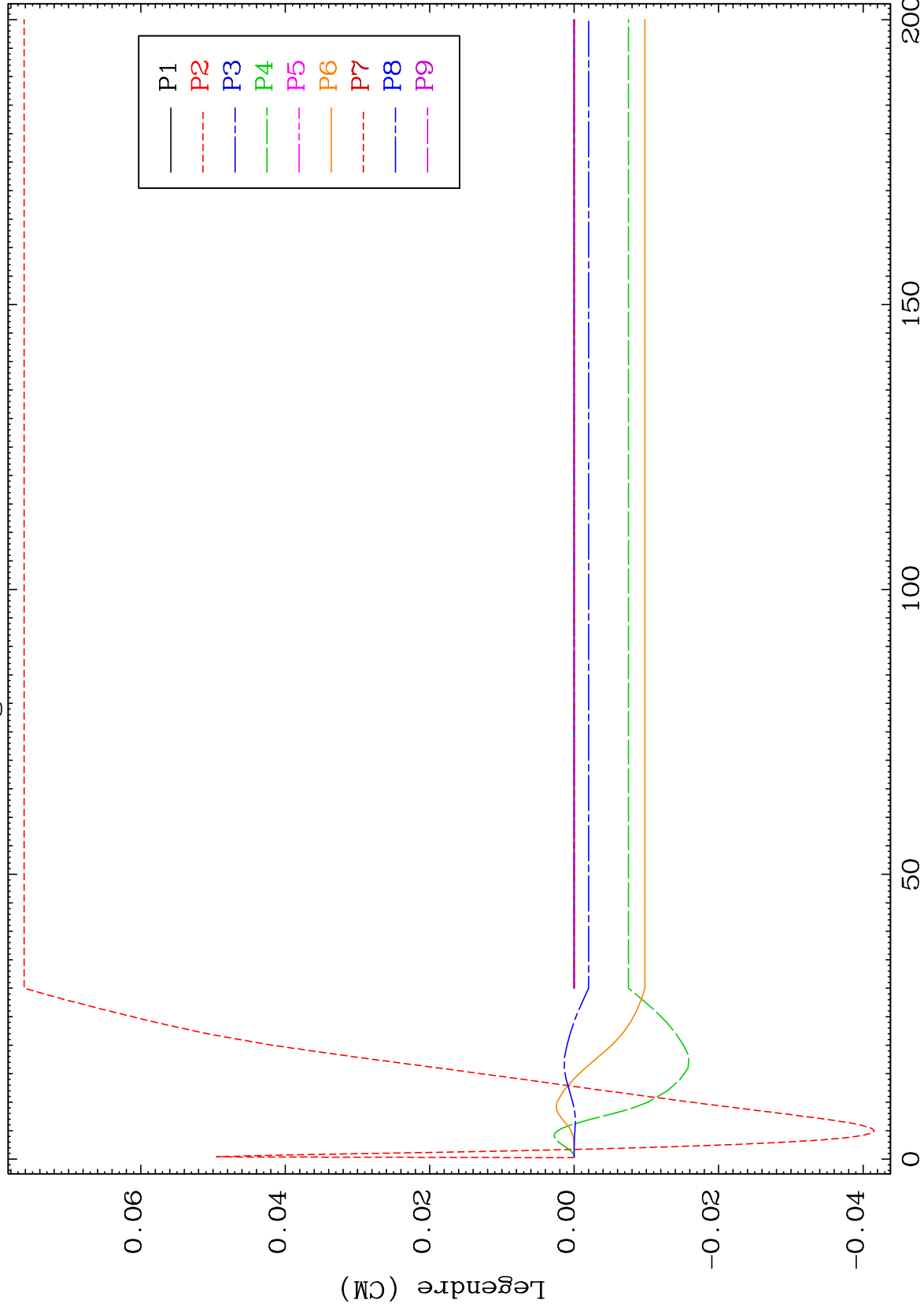
Incident Energy (MeV)

25

MAT 5428

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

54-Xe-125



54-Xe-125

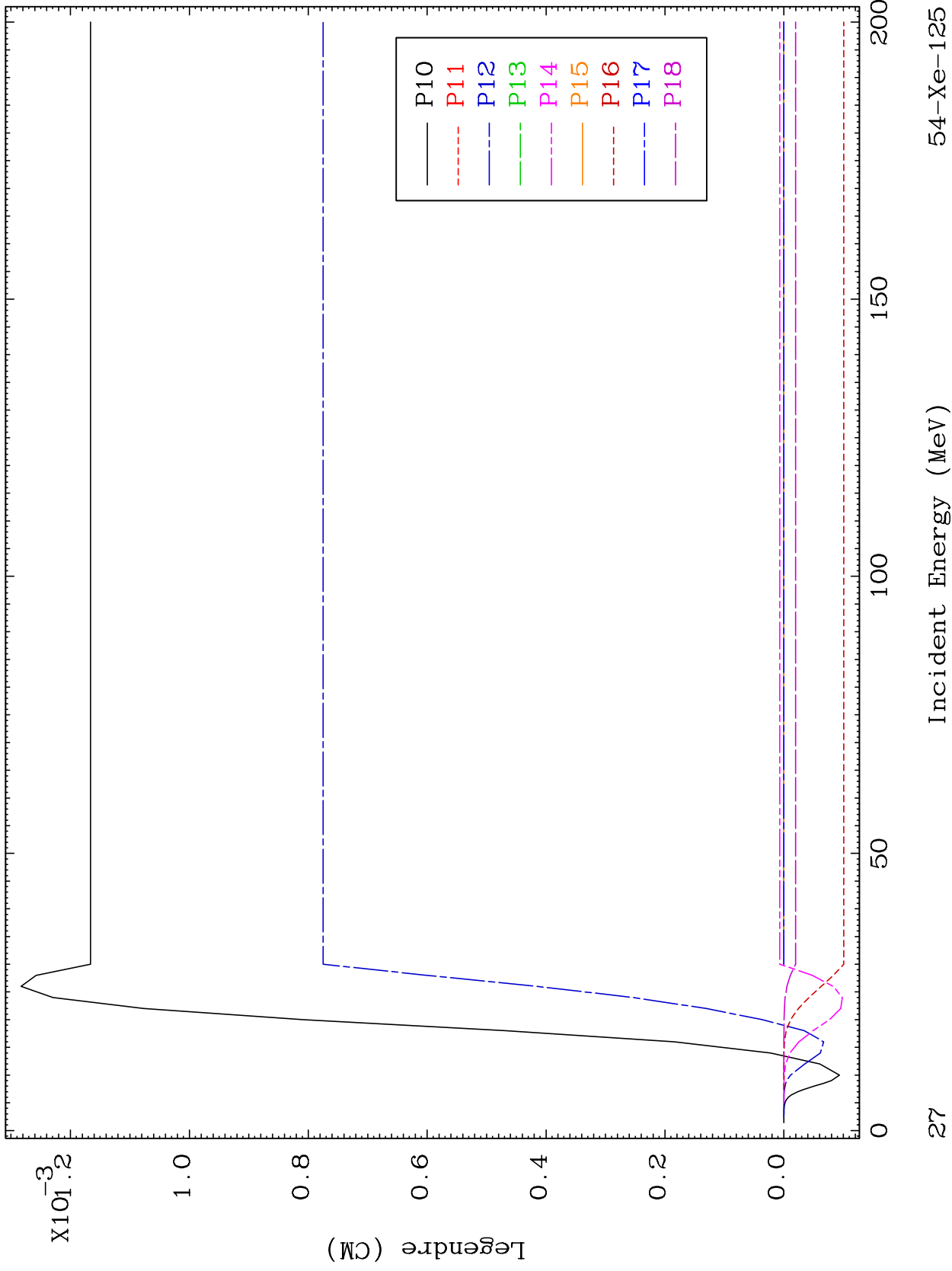
Incident Energy (MeV)

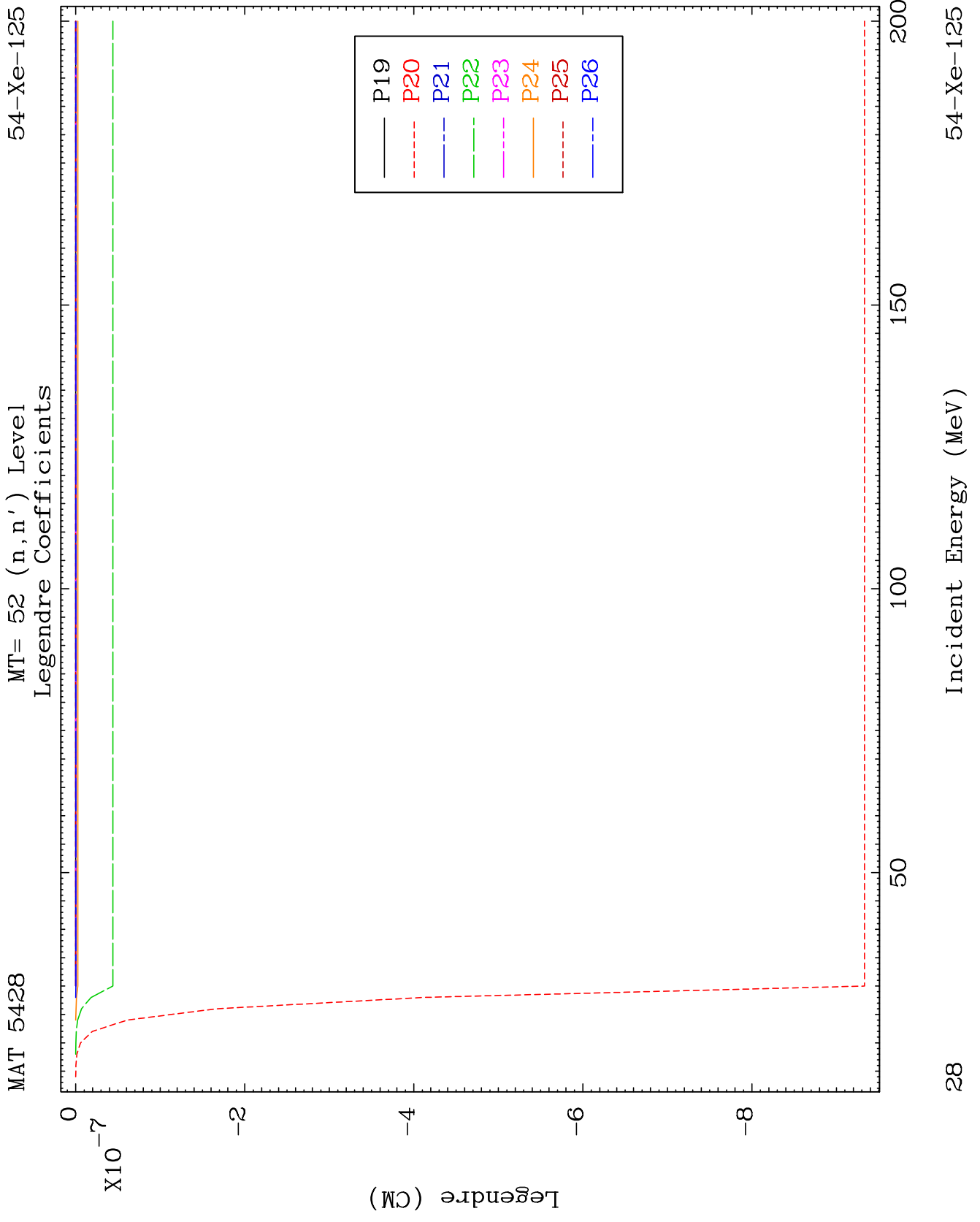
26

MAT 5428

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

54-Xe-125

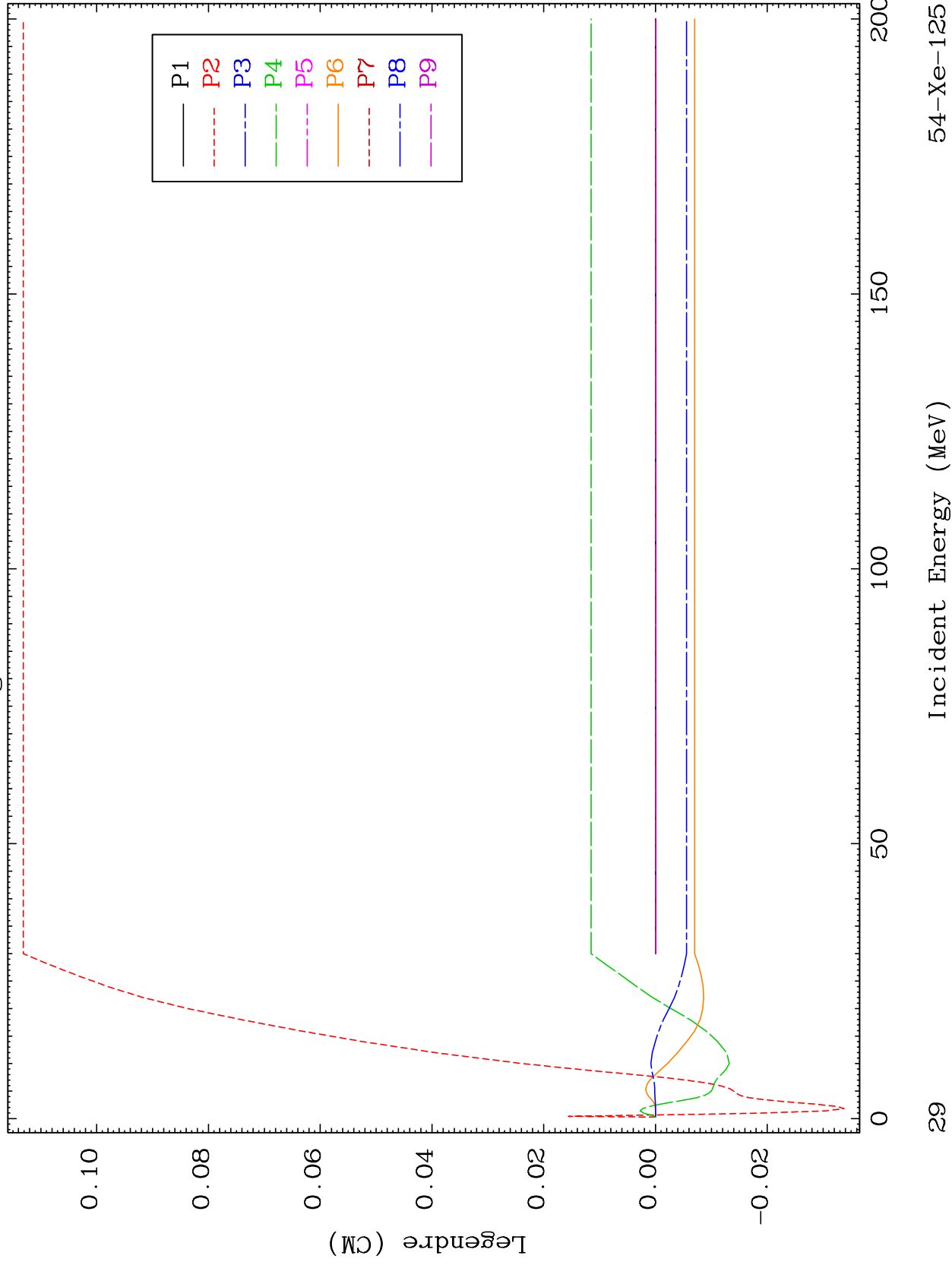




MAT 5428

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

54-Xe-125



54-Xe-125

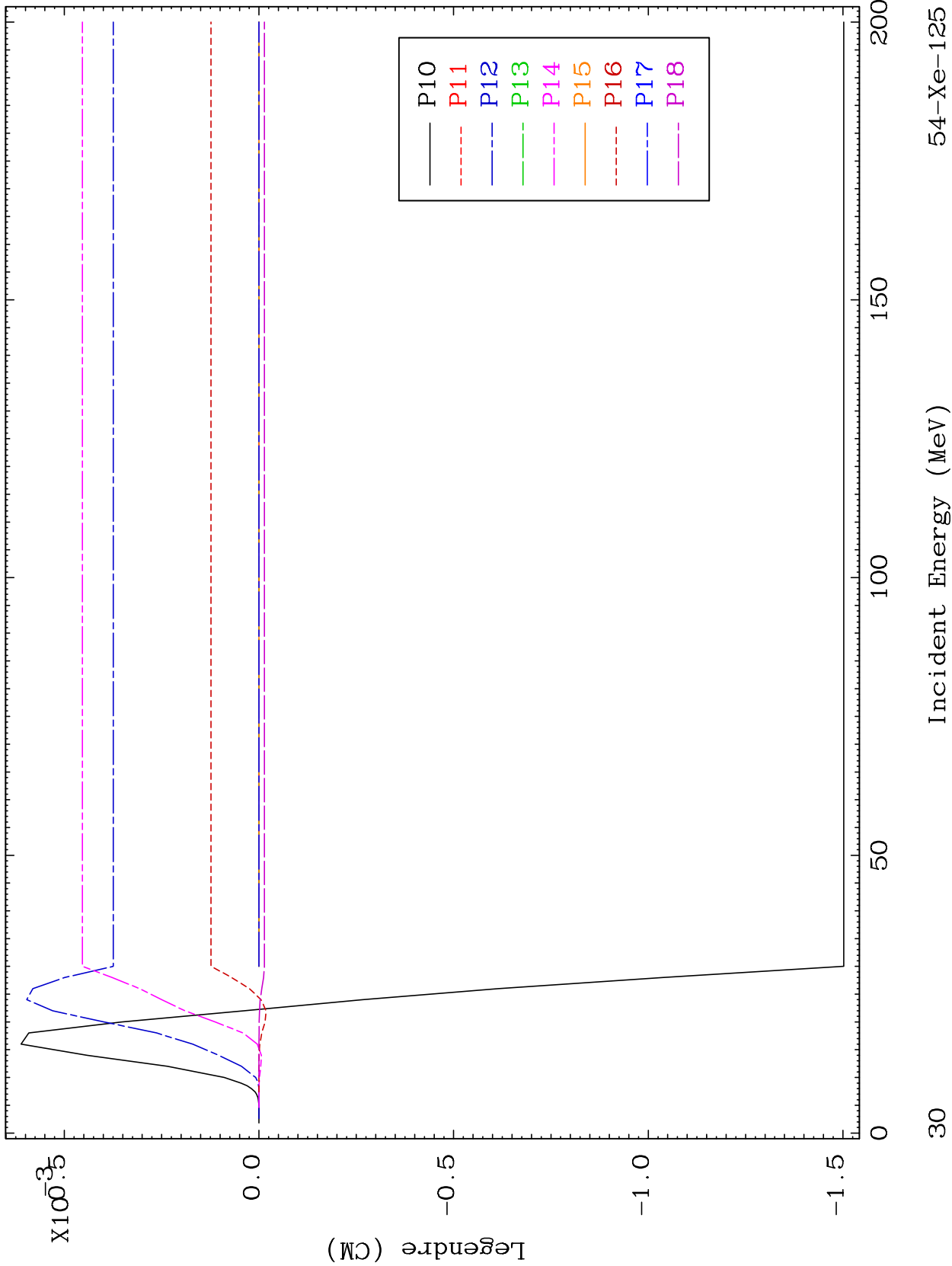
Incident Energy (MeV)

29

MAT 5428

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

54-Xe-125



54-Xe-125

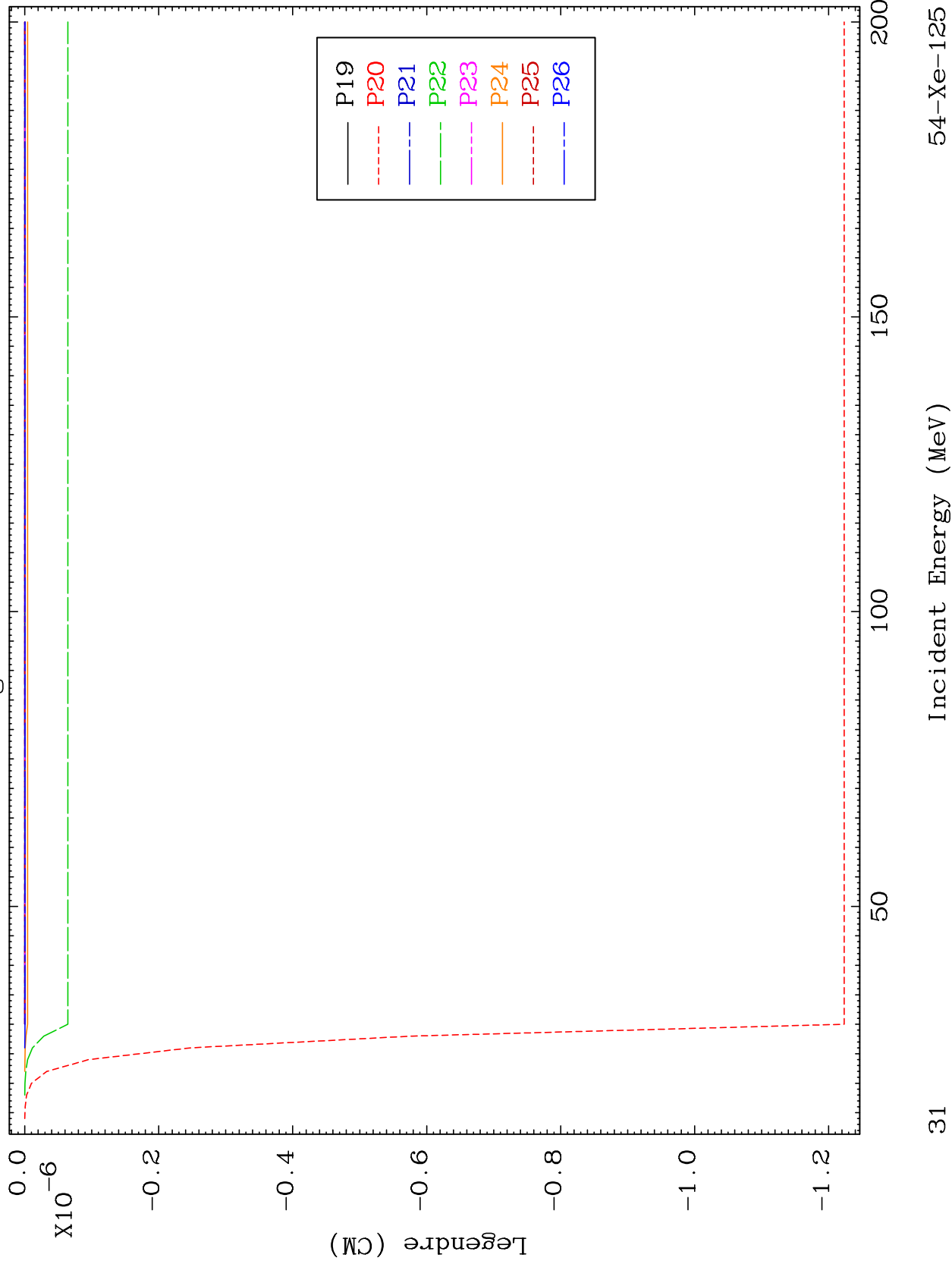
Incident Energy (MeV)

30

MAT 5428

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

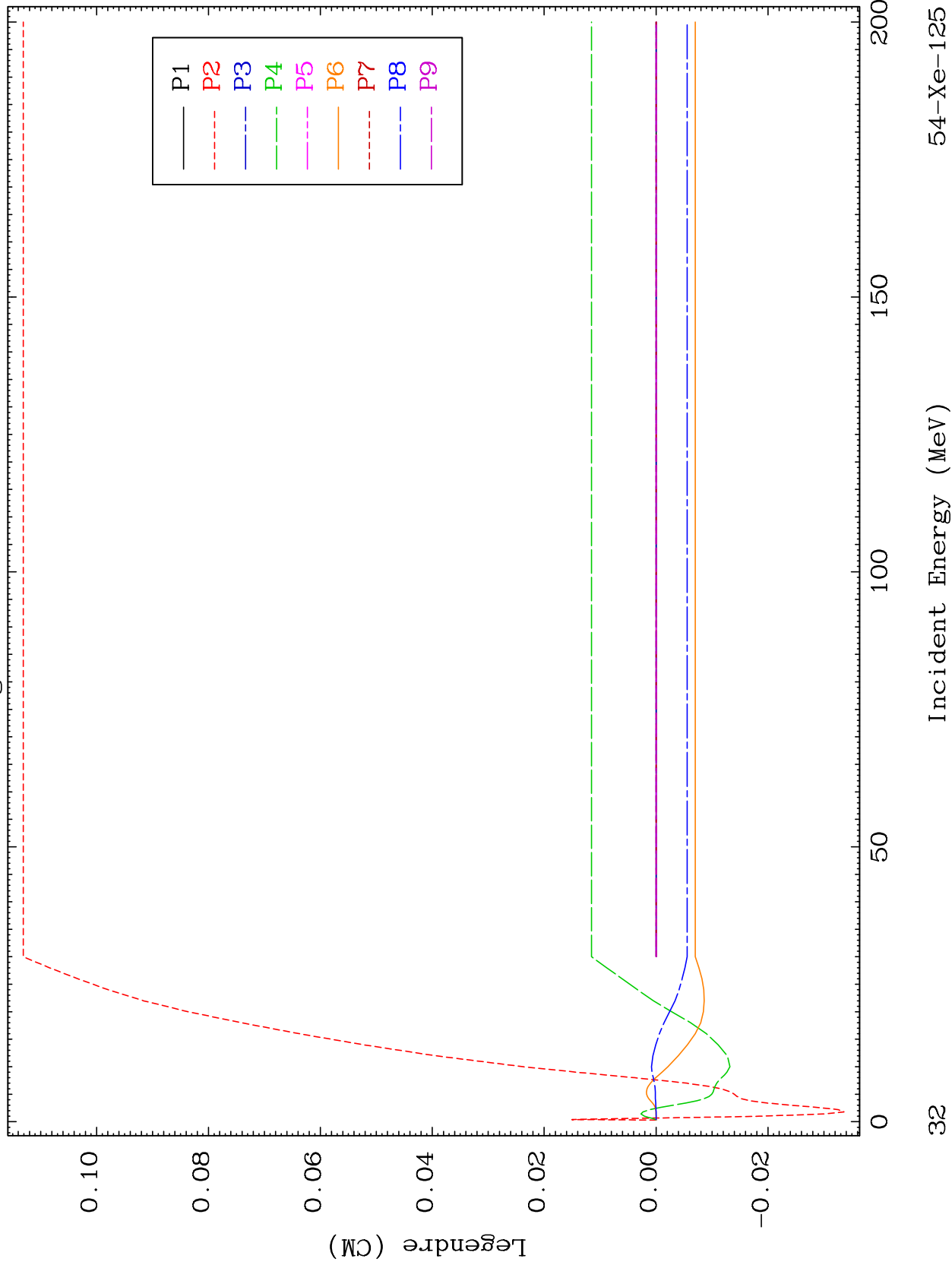
54-Xe-125



MAT 5428

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

54-Xe-125



54-Xe-125

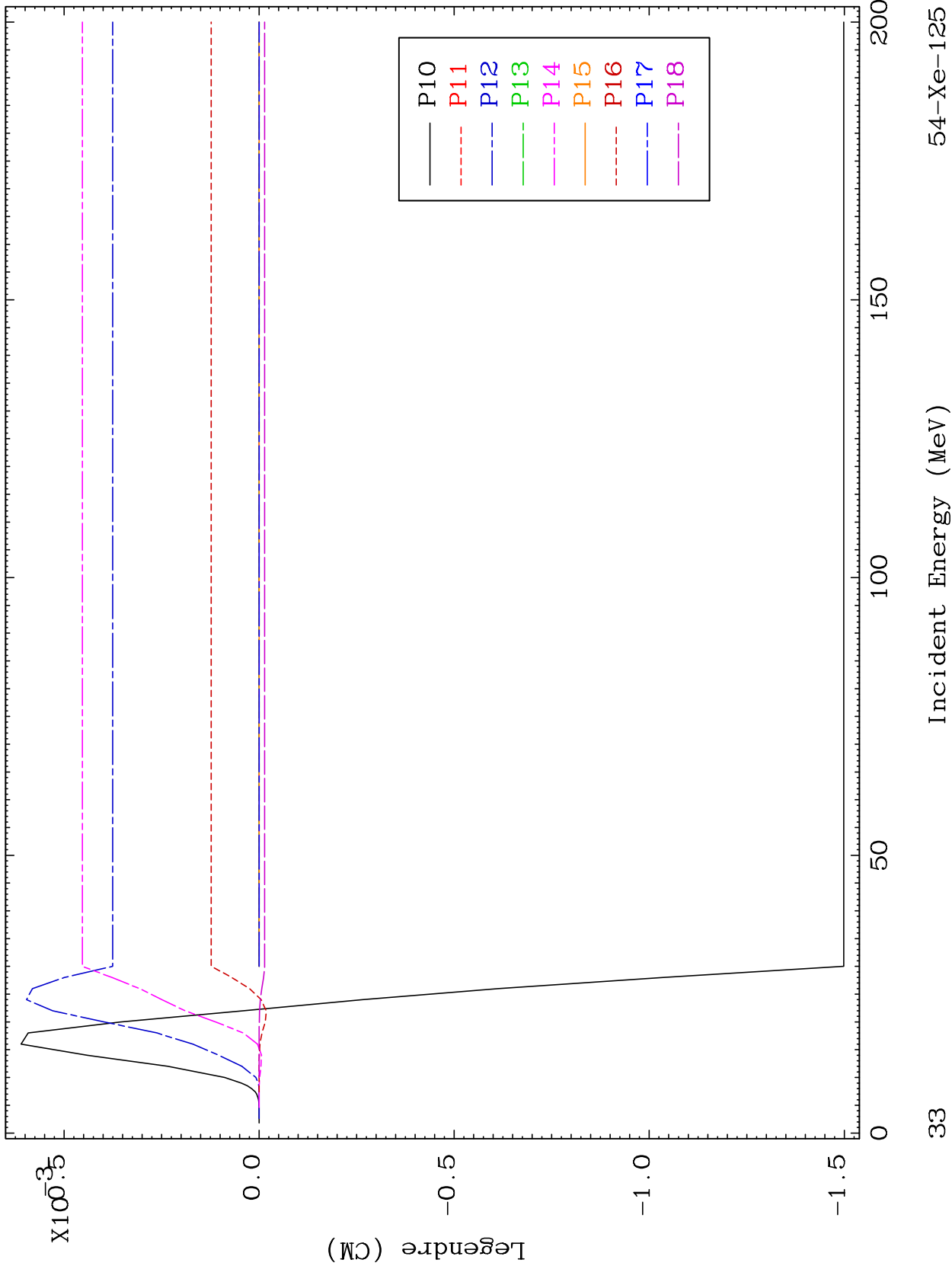
Incident Energy (MeV)

32

MAT 5428

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

54-Xe-125



33

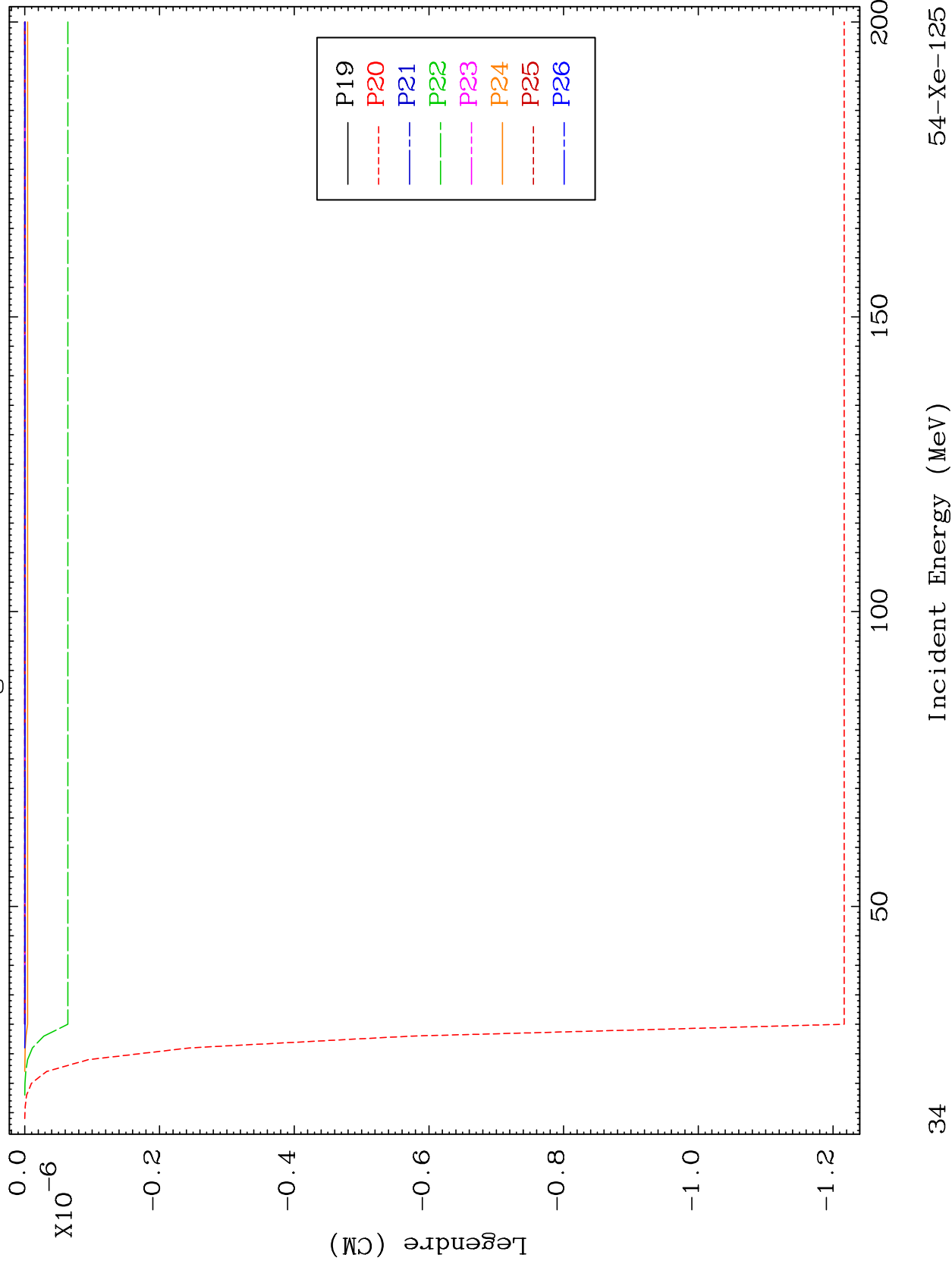
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



34

Incident Energy (MeV)

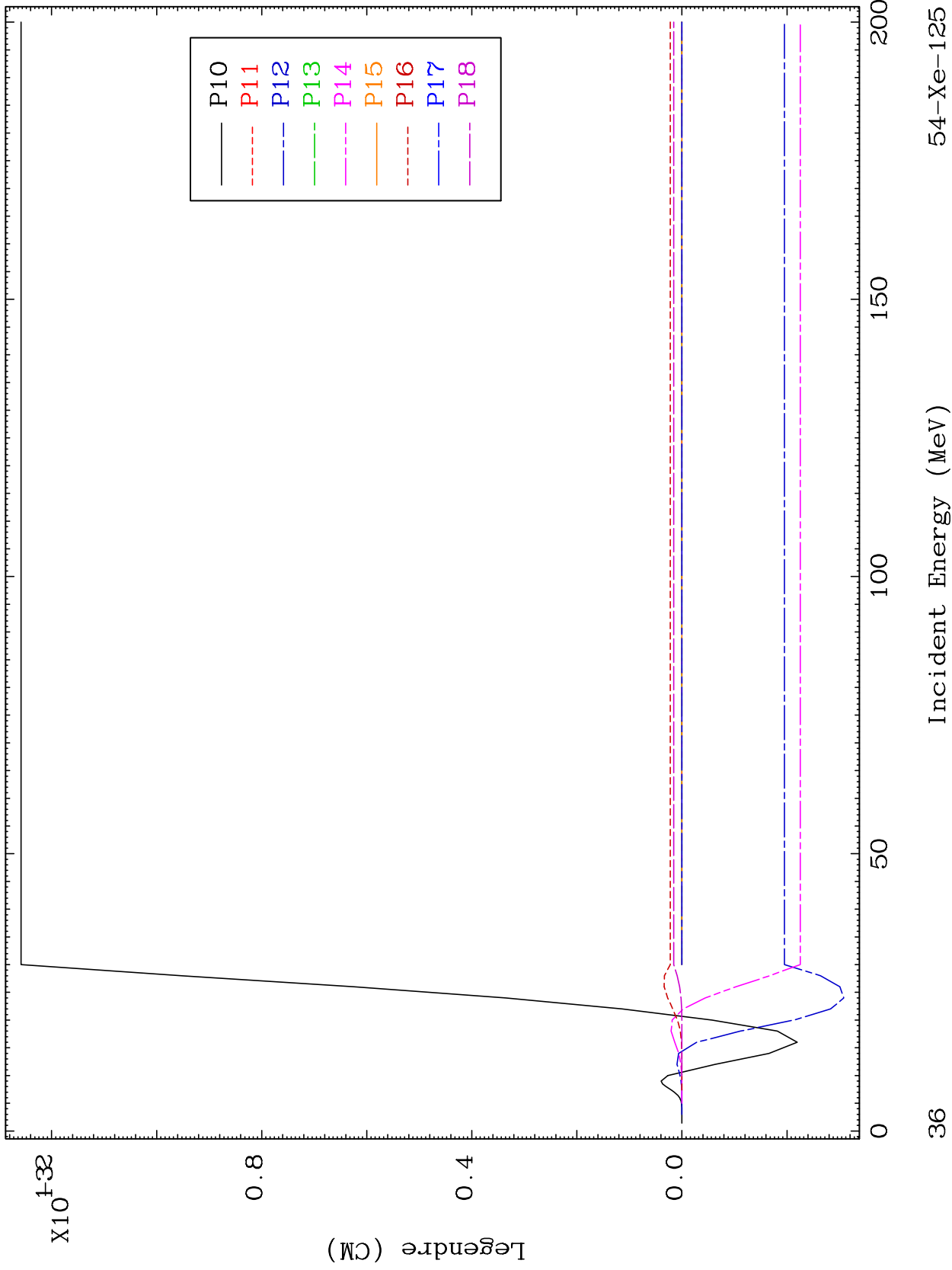
54-Xe-125



MAT 5428

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

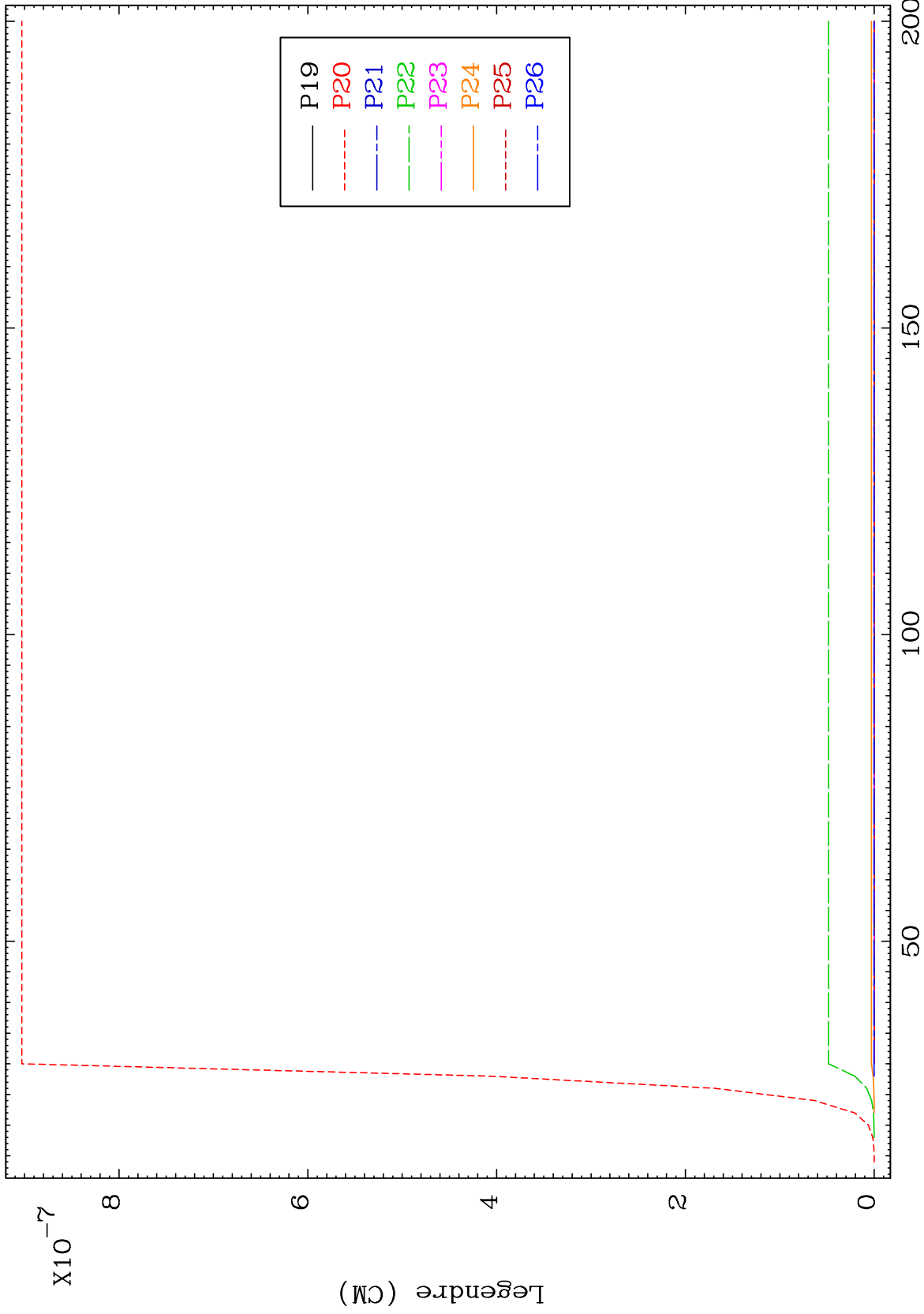
54-Xe-125



MAT 5428

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

54-Xe-125



37

Incident Energy (MeV)

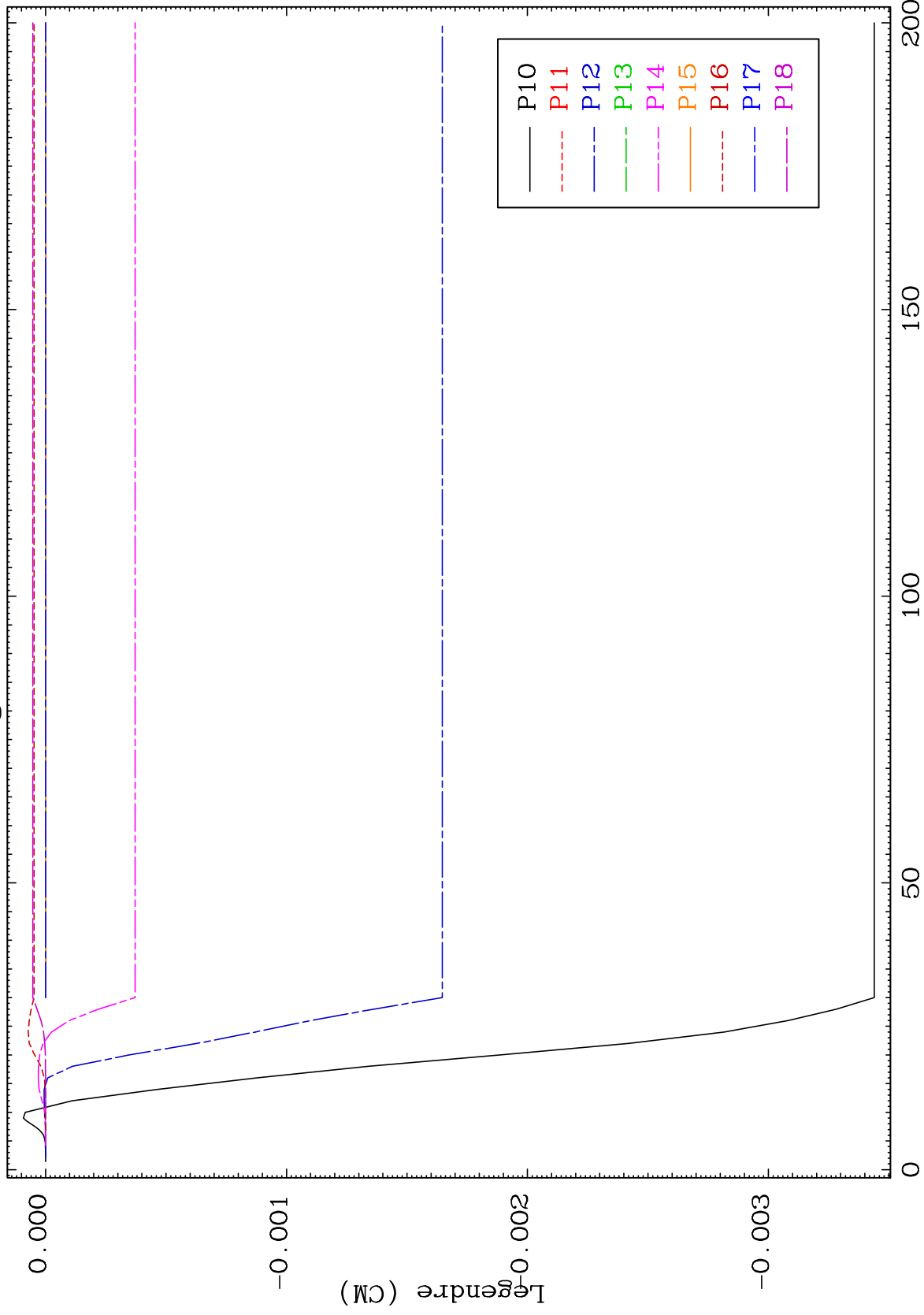
54-Xe-125



MAT 5428

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

54-Xe-125



39

Incident Energy (MeV)

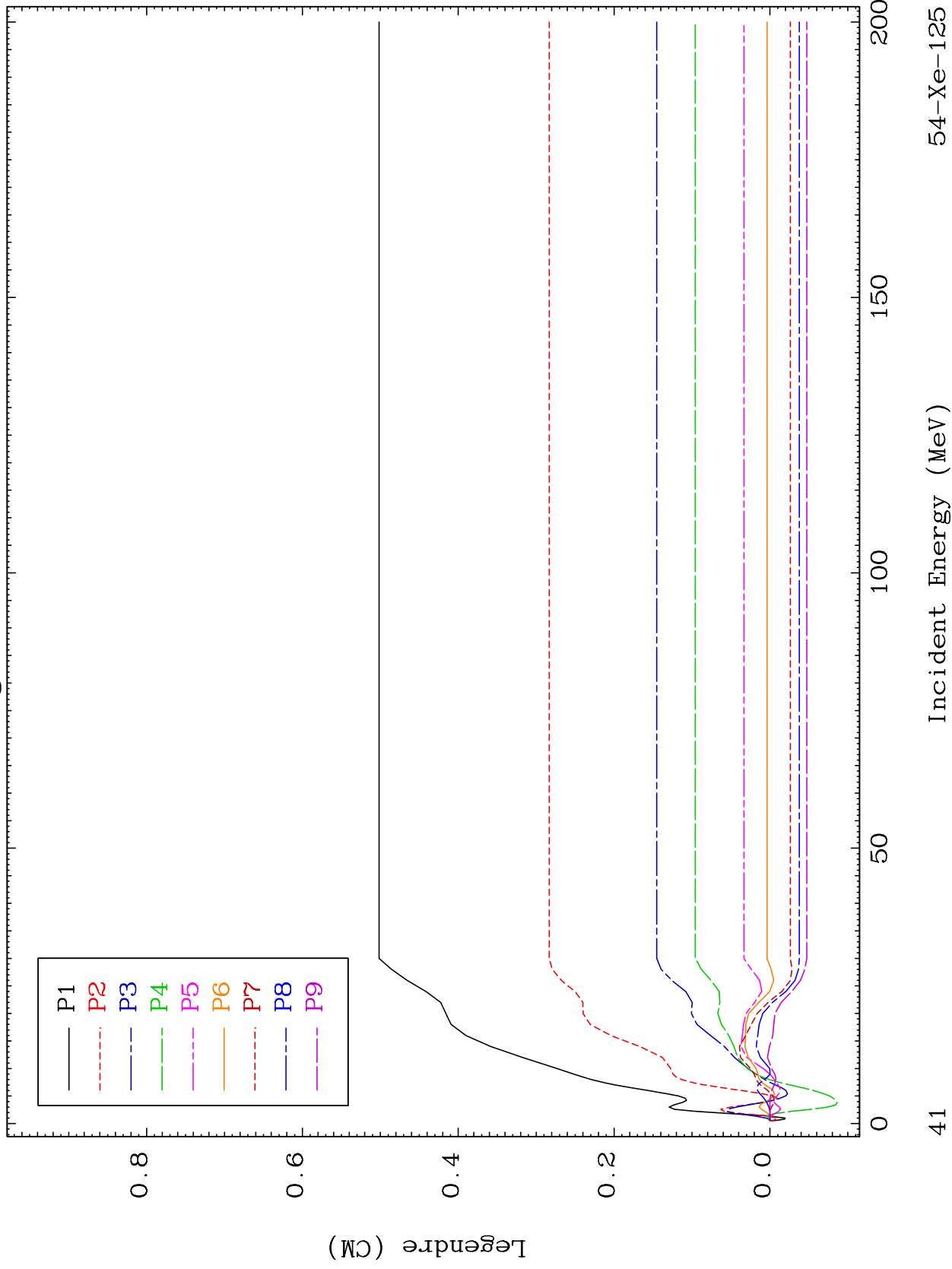
54-Xe-125



MAT 5428

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

54-Xe-125



41

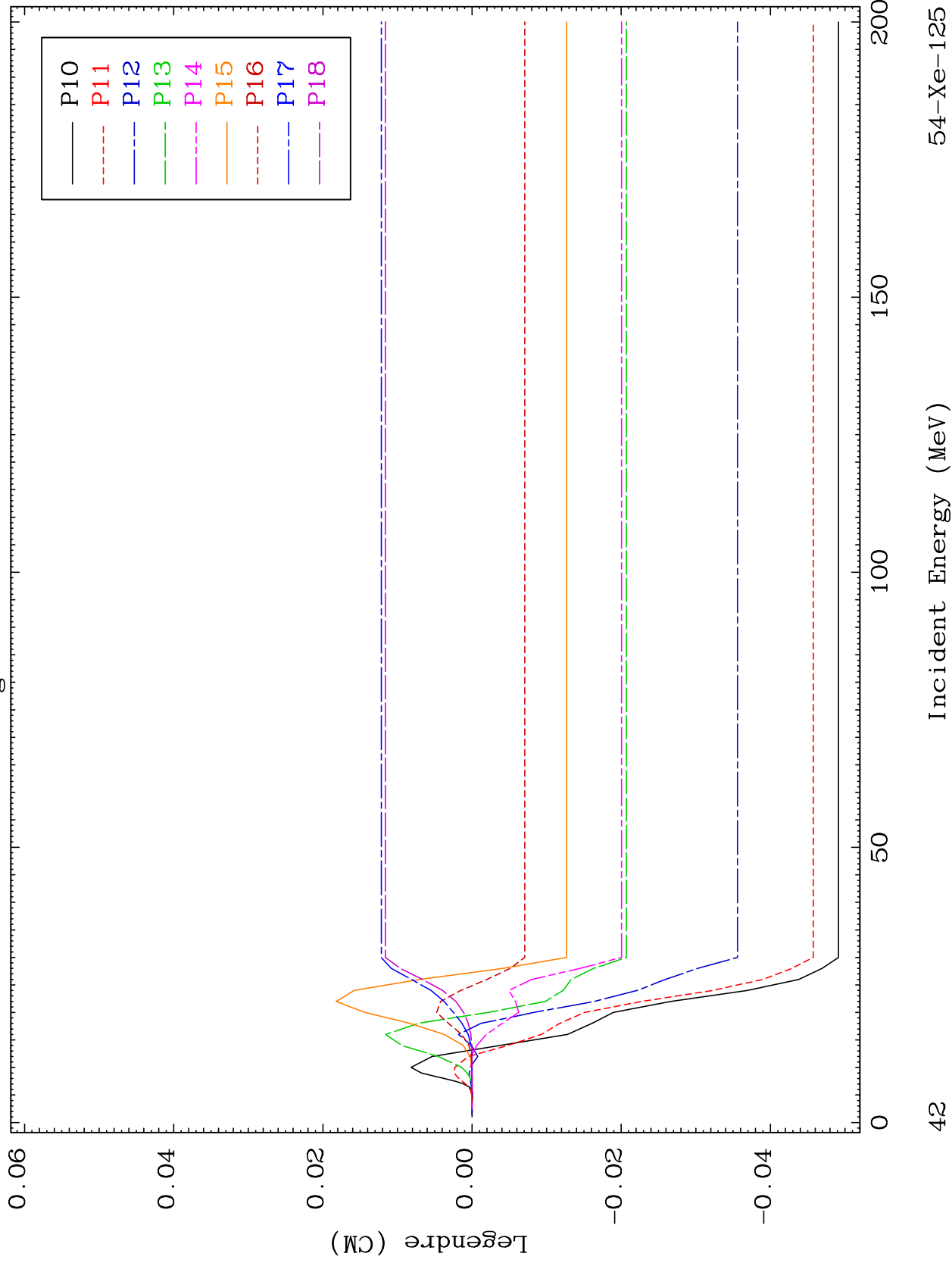
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



42

Incident Energy (MeV)

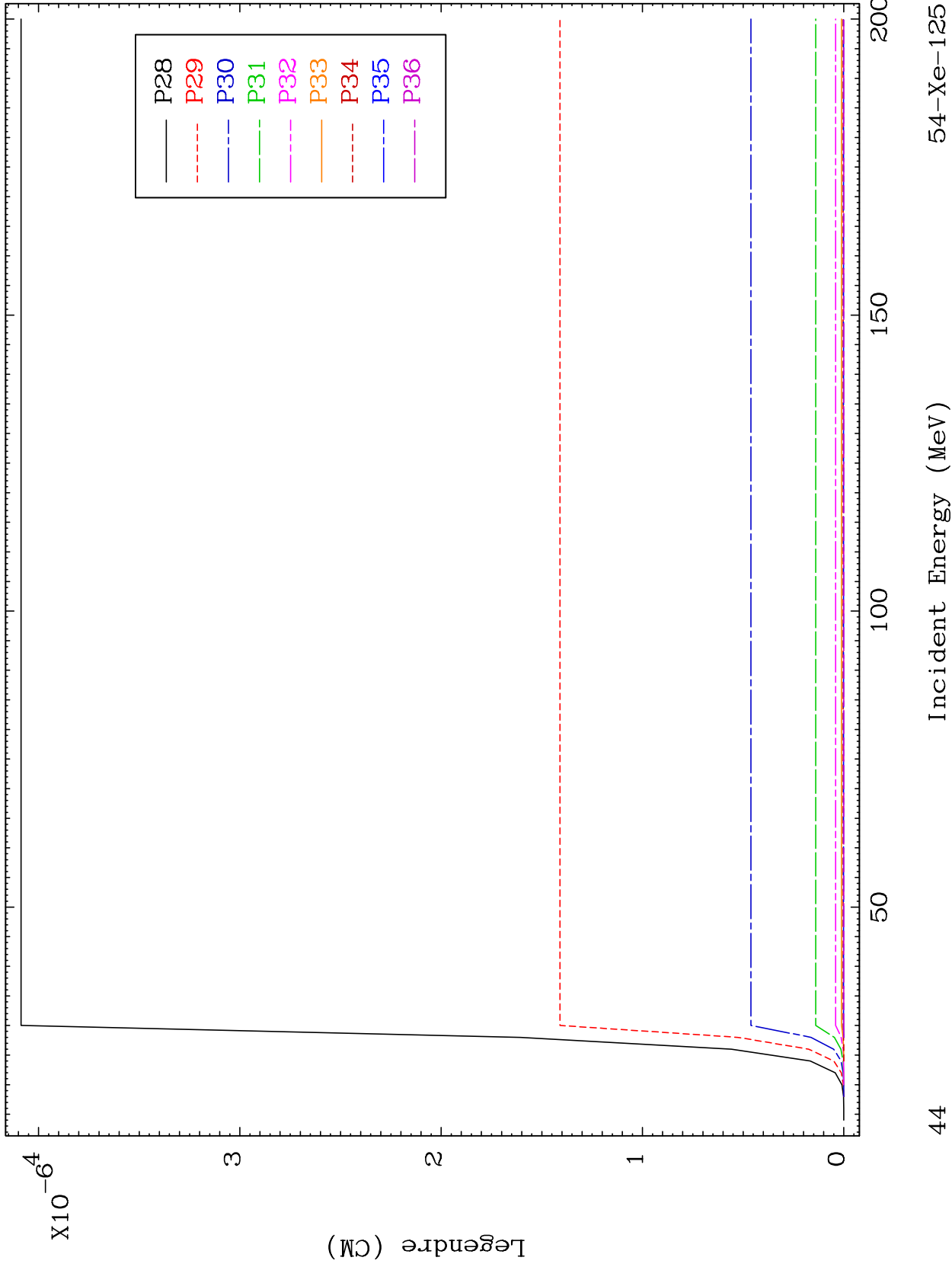
54-Xe-125



MAT 5428

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

54-Xe-125



44

Incident Energy (MeV)

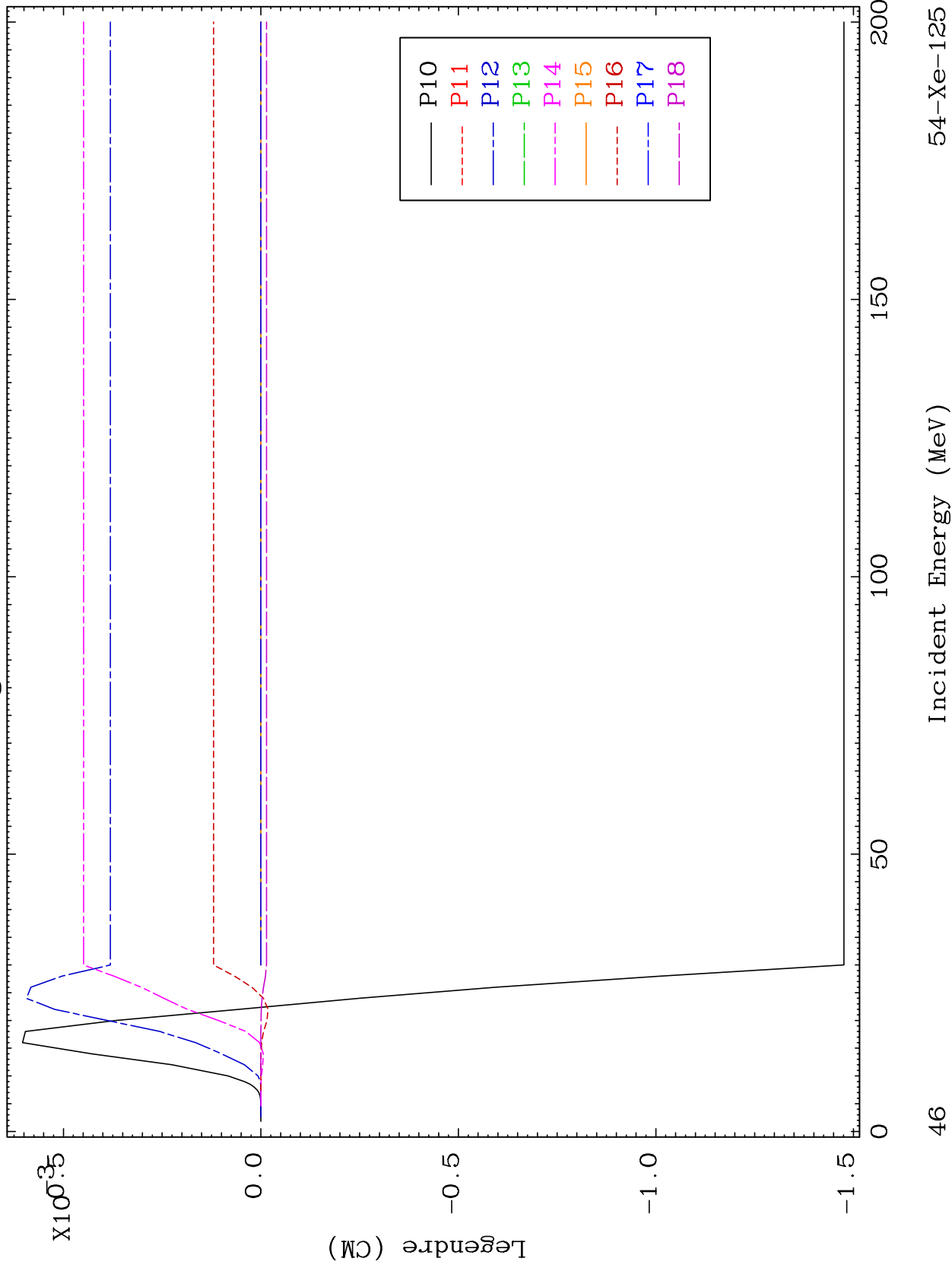
54-Xe-125



MAT 5428

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

54-Xe-125



46

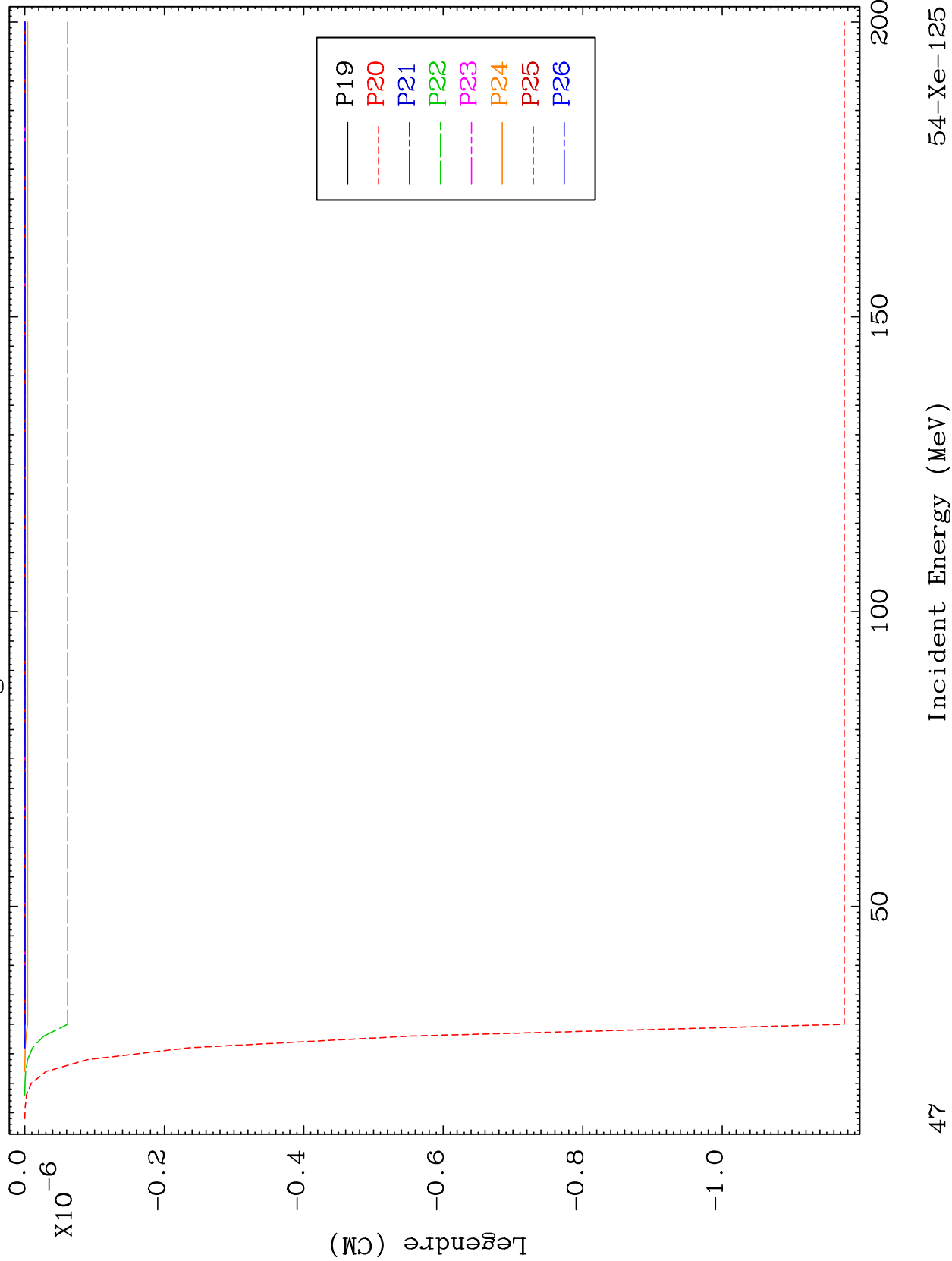
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



47

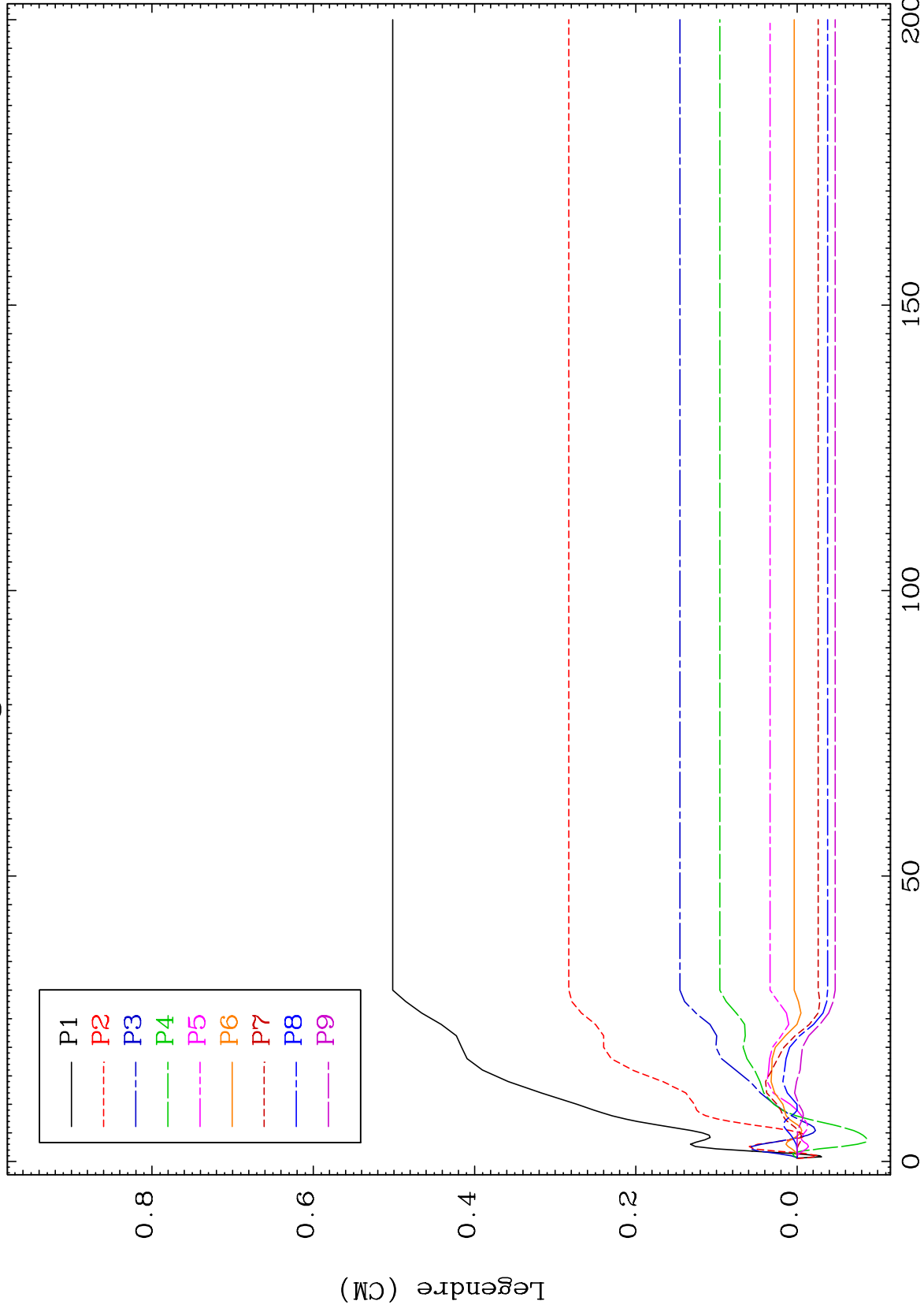
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



48

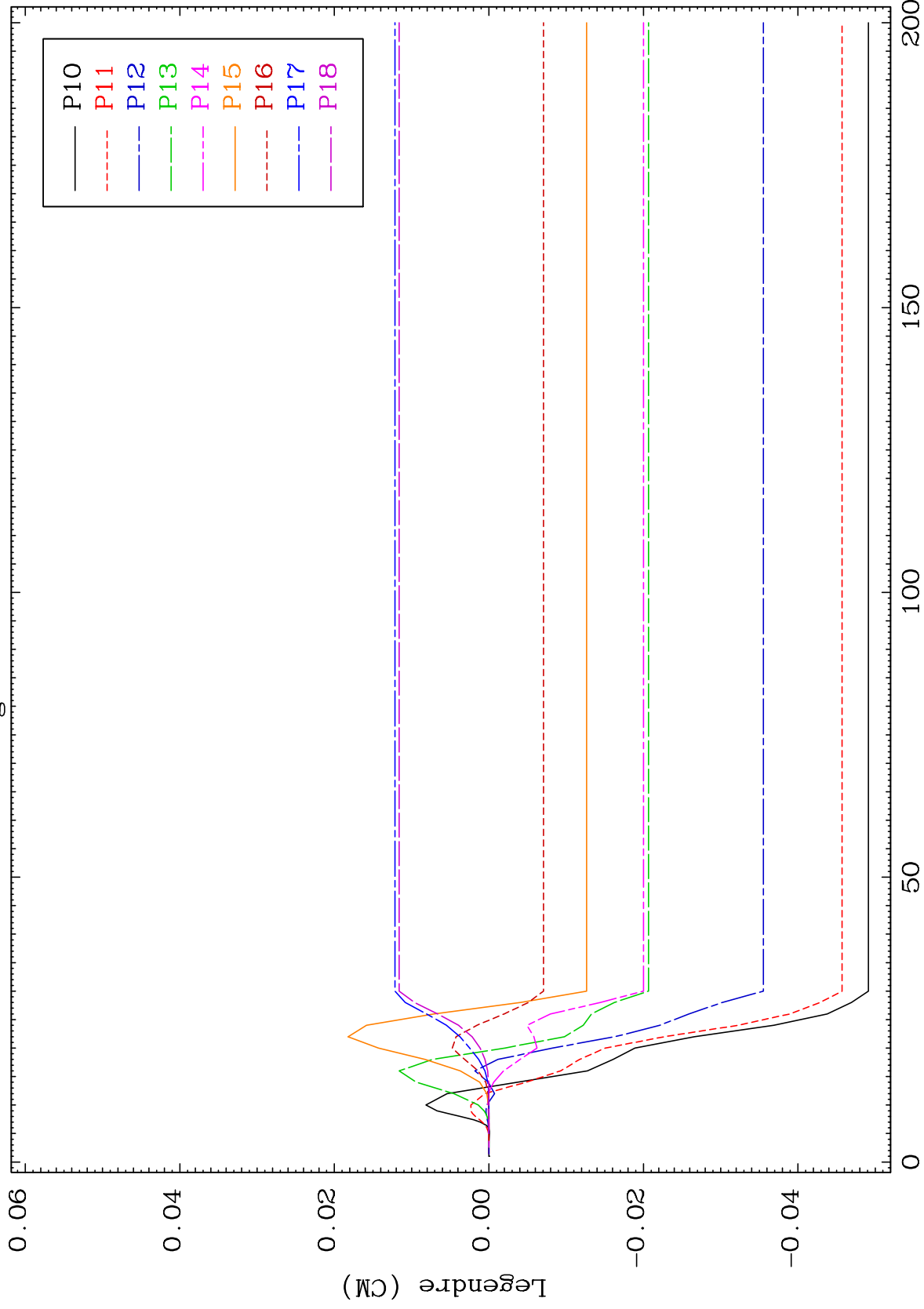
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



49

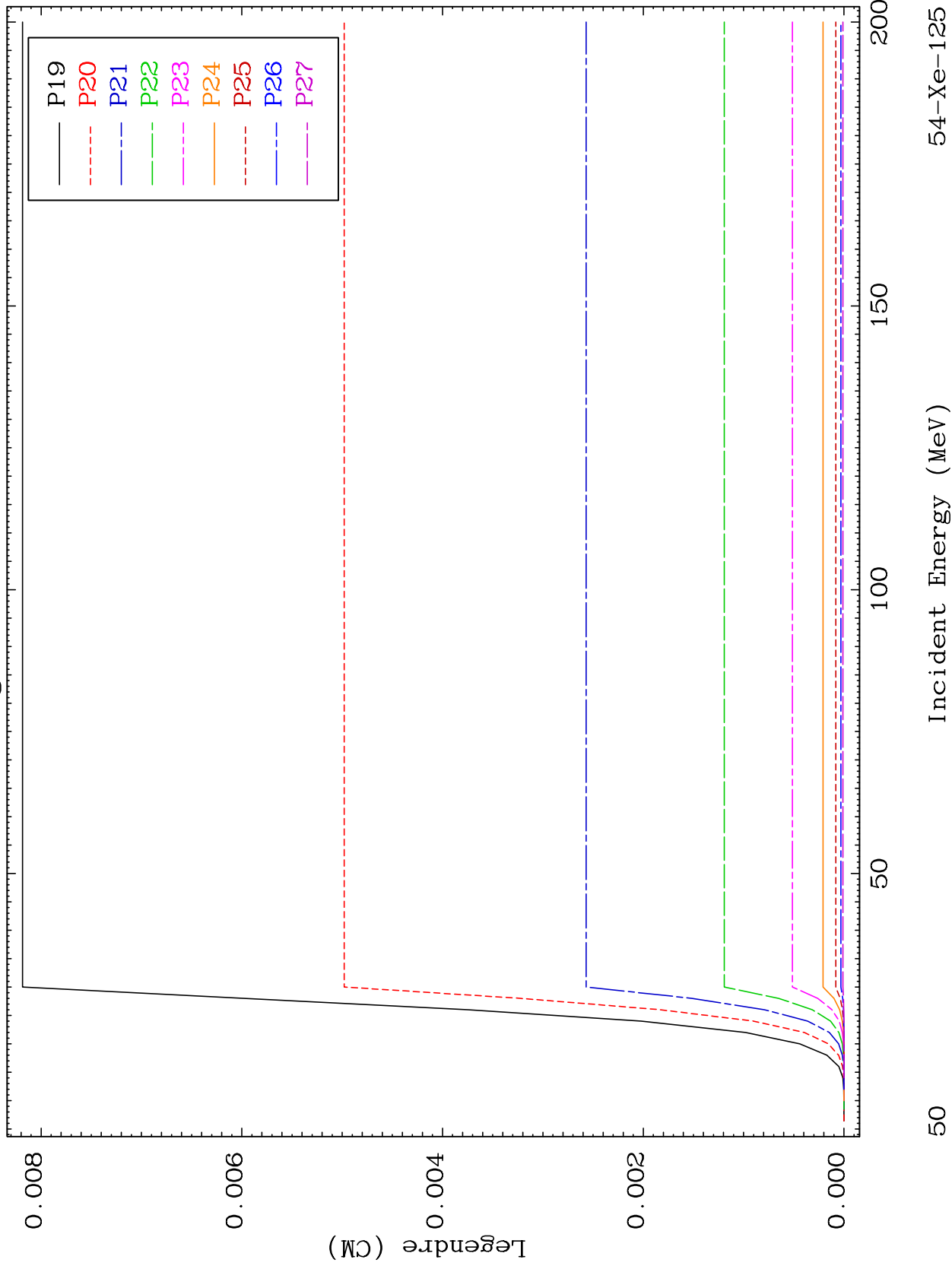
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



54-Xe-125

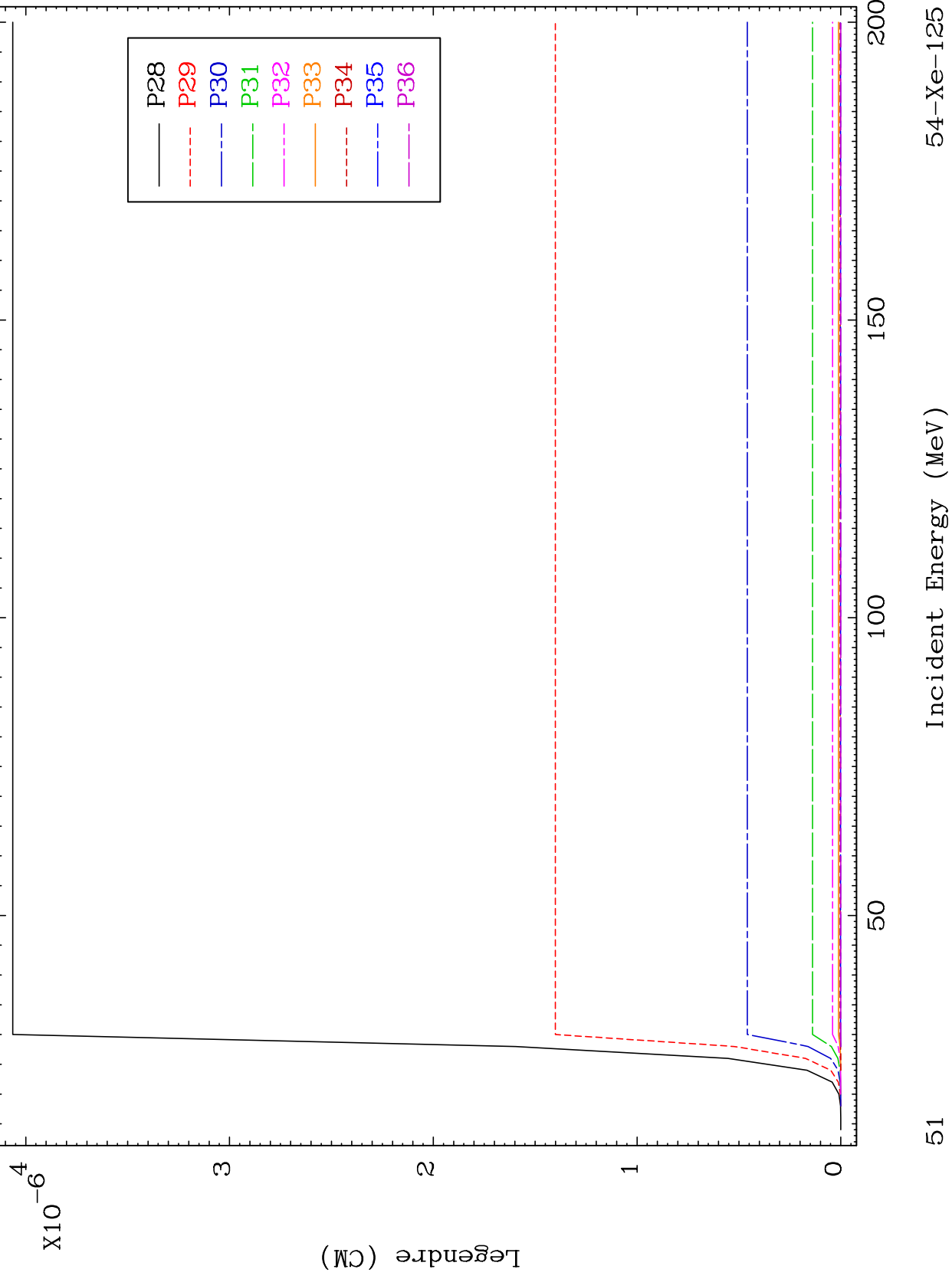
Incident Energy (MeV)

50

MAT 5428

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

54-Xe-125



51

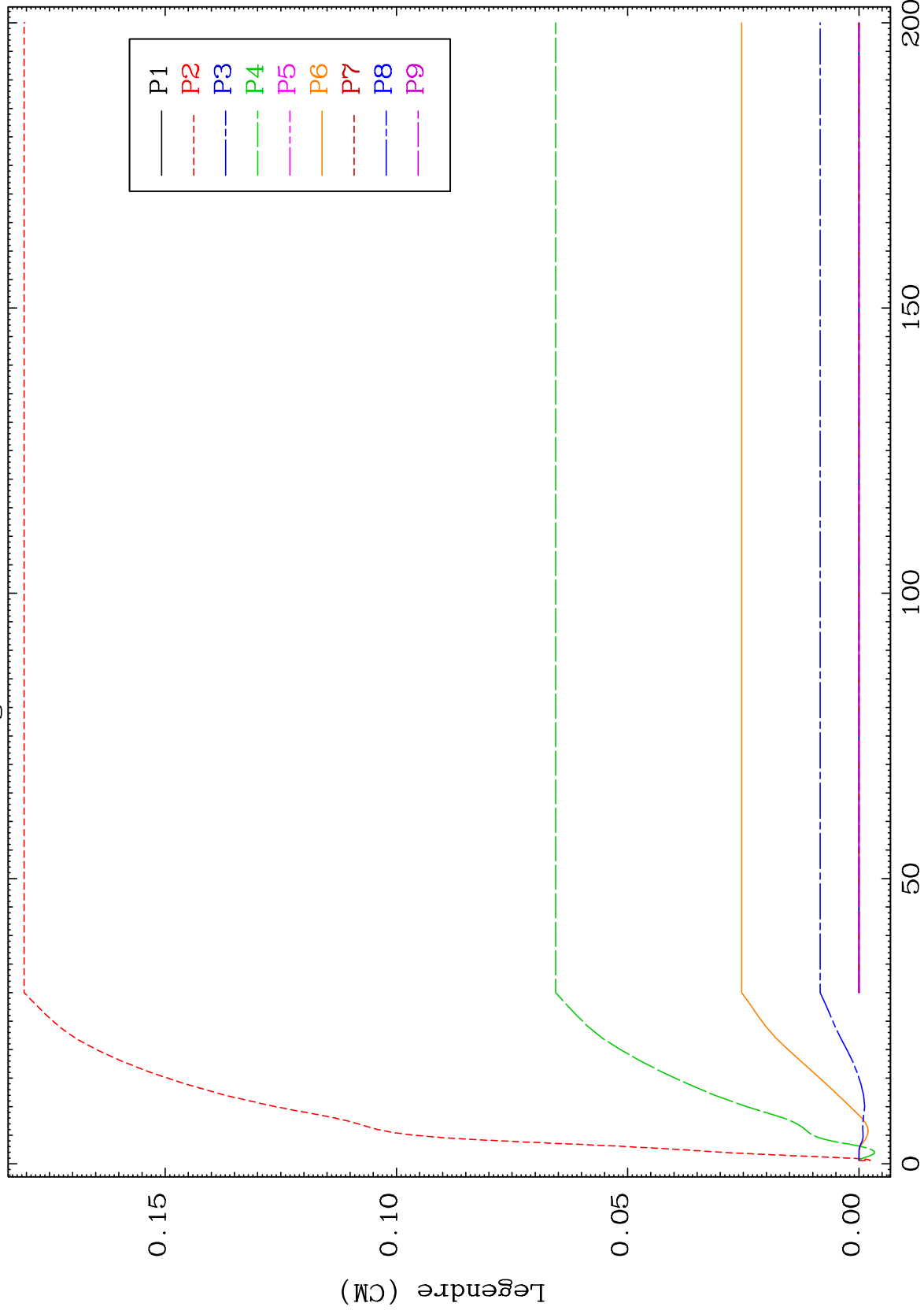
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



52

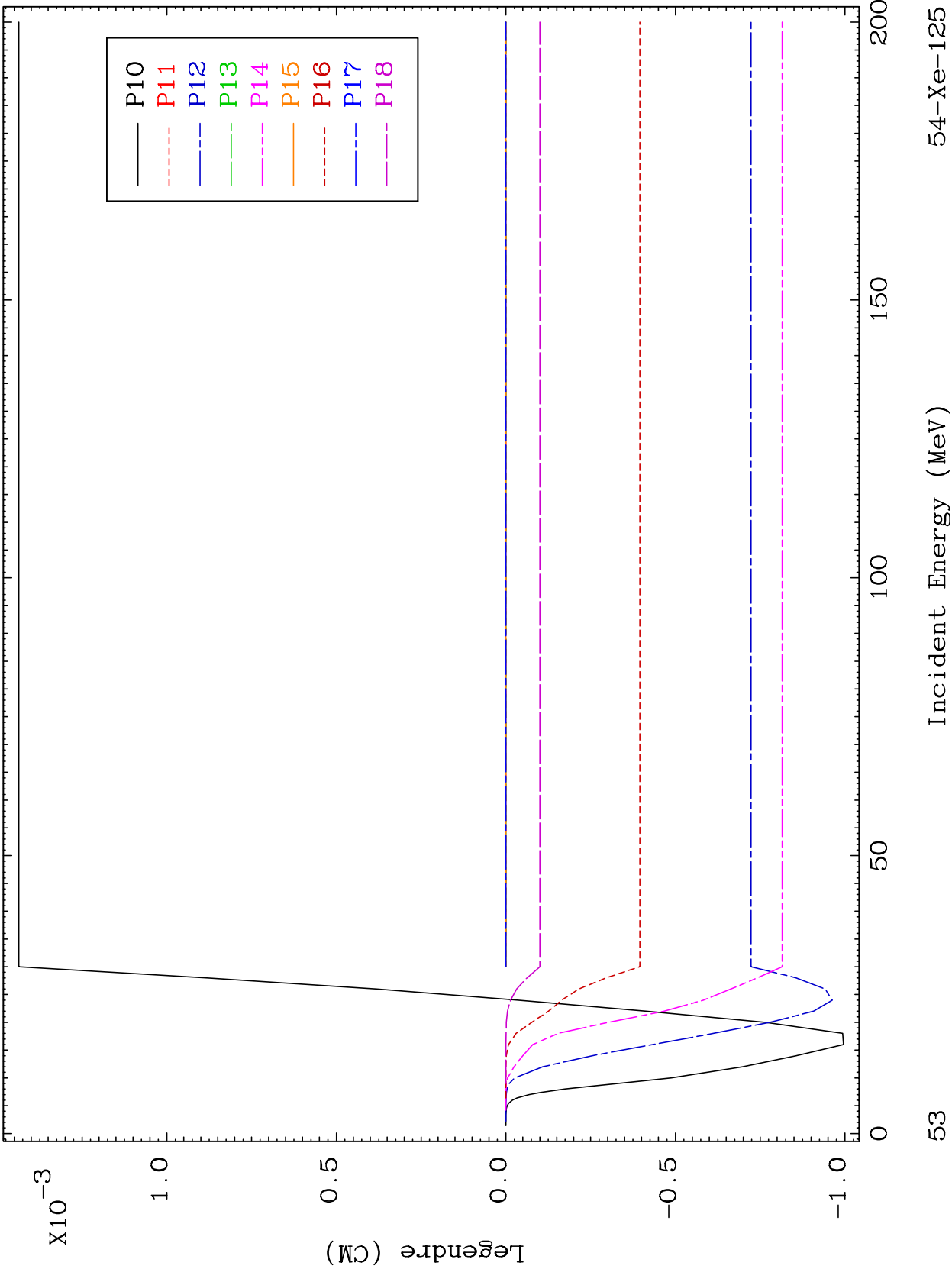
Incident Energy (MeV)

54-Xe-125

MAT 5428

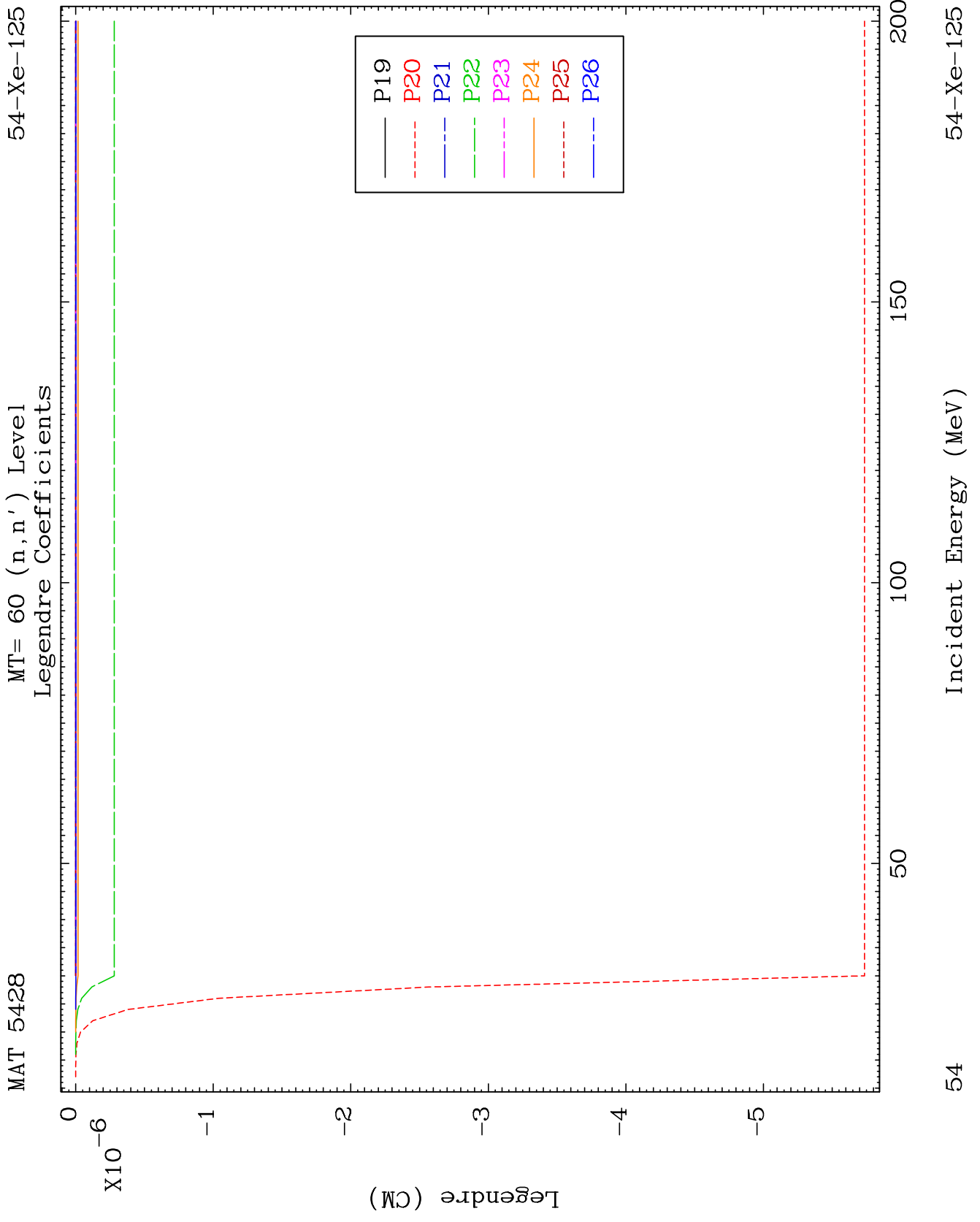
MT= 60 (n,n') Level  
Legendre Coefficients

54-Xe-125



53

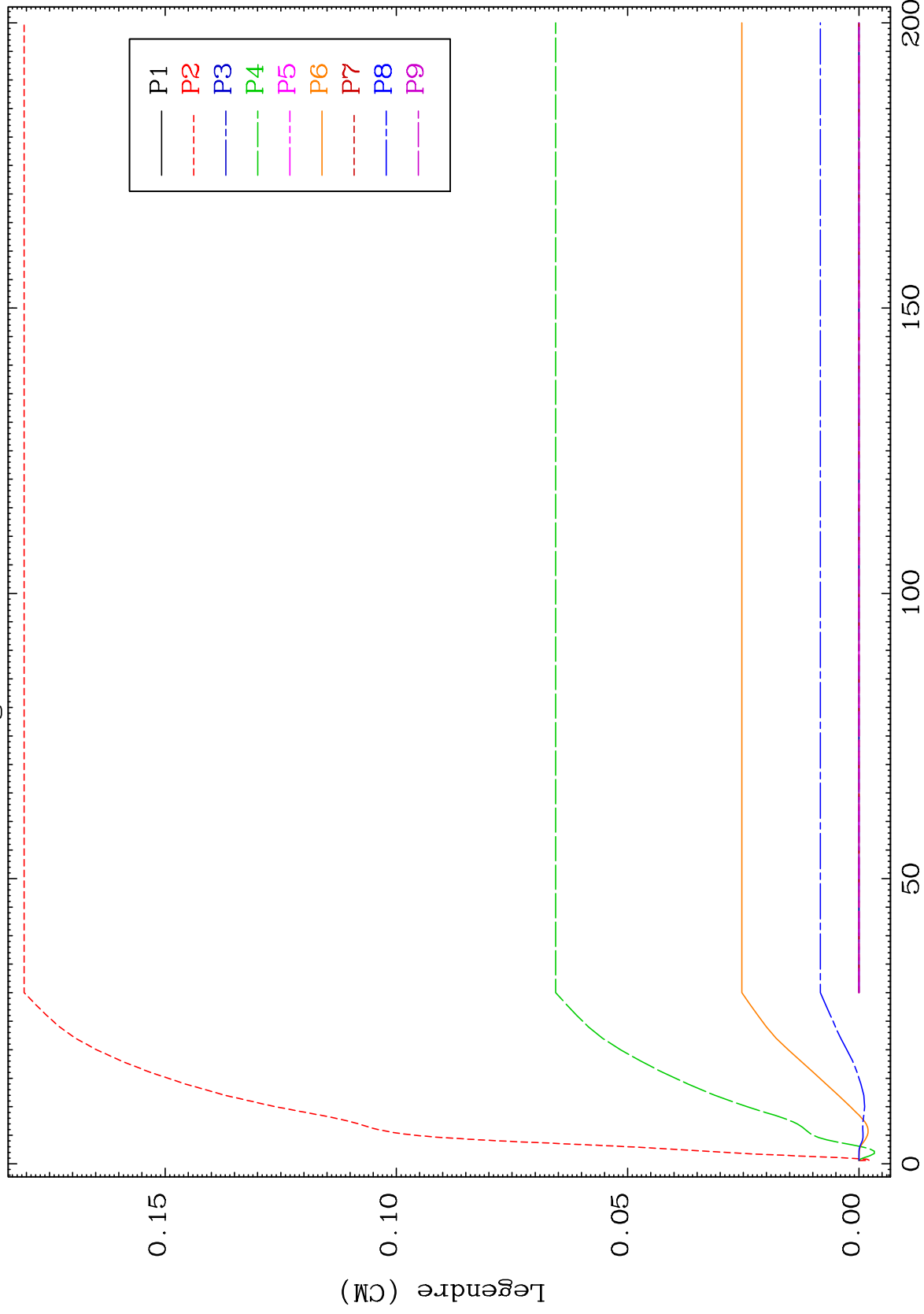
54-Xe-125



MAT 5428

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

54-Xe-125



54-Xe-125

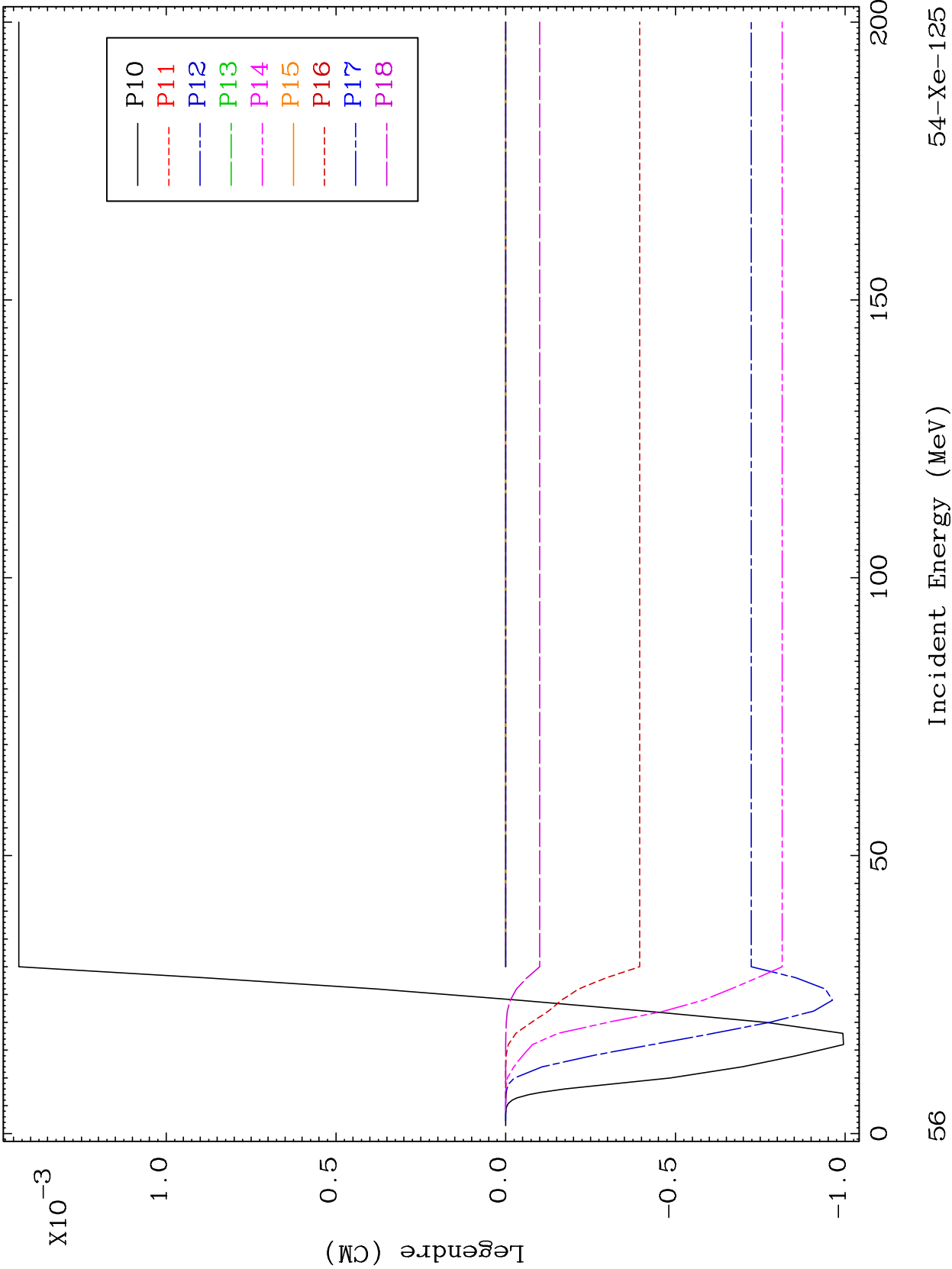
Incident Energy (MeV)

55

MAT 5428

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

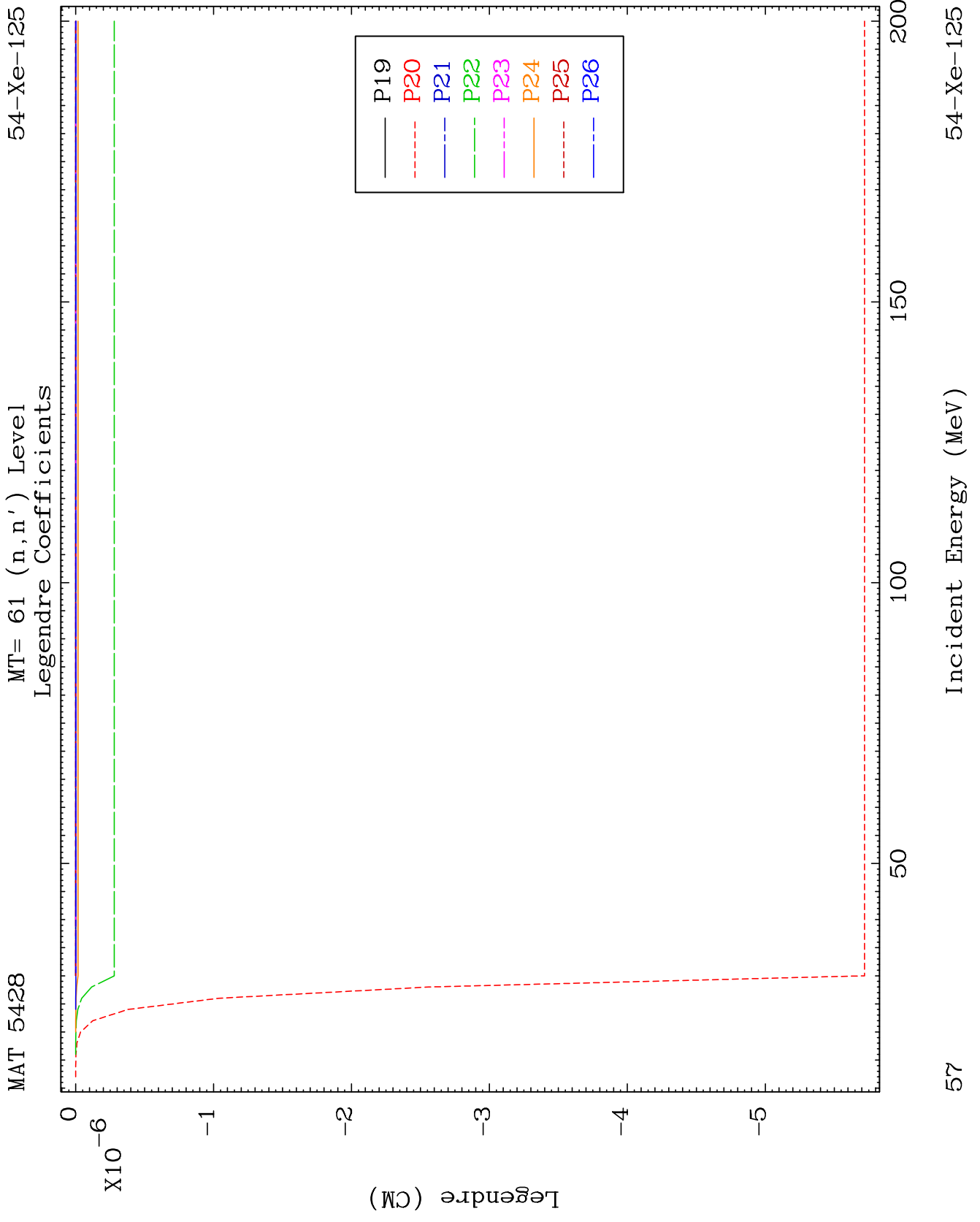
54-Xe-125



56

Incident Energy (MeV)

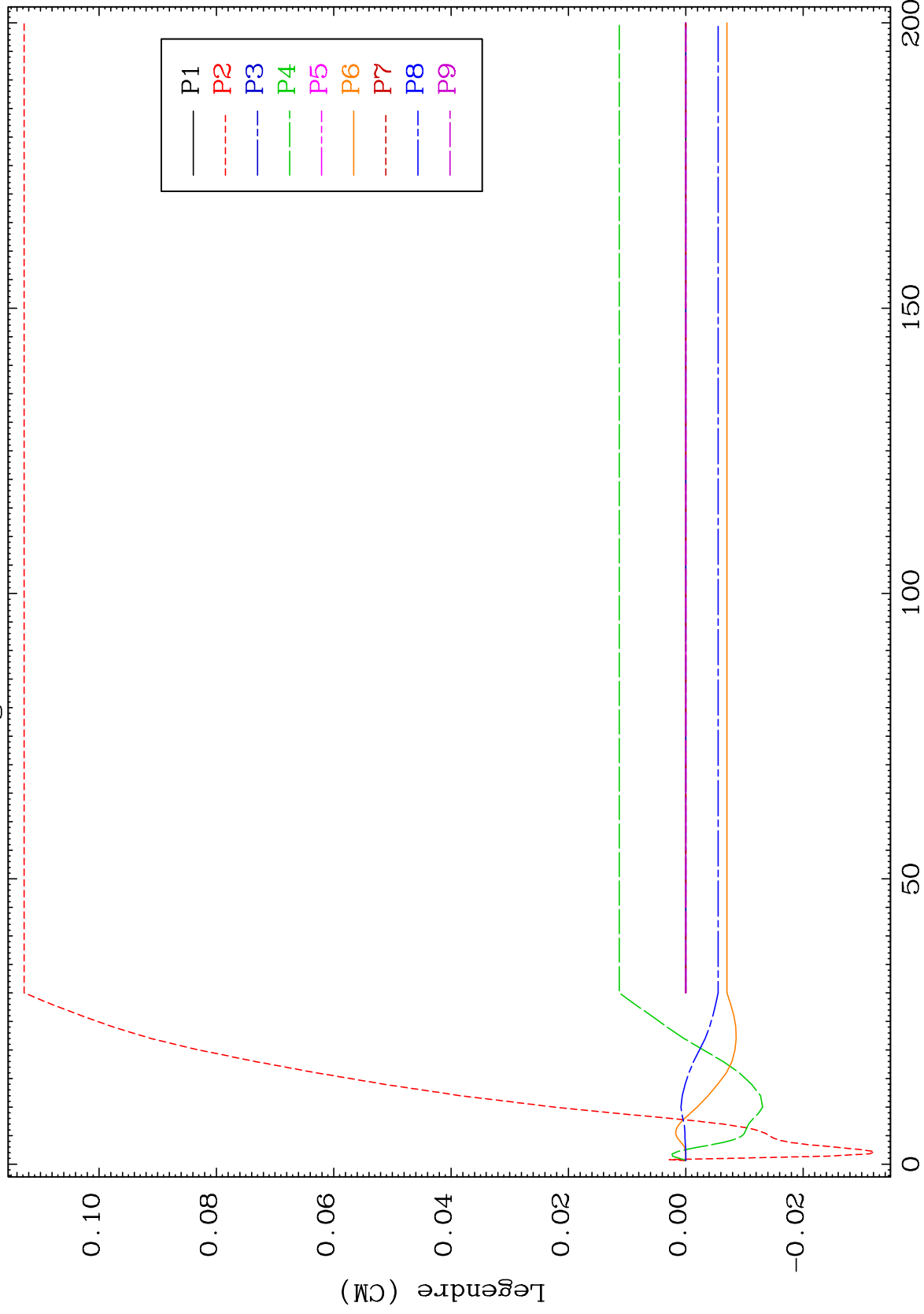
54-Xe-125



MAT 5428

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

54-Xe-125



54-Xe-125

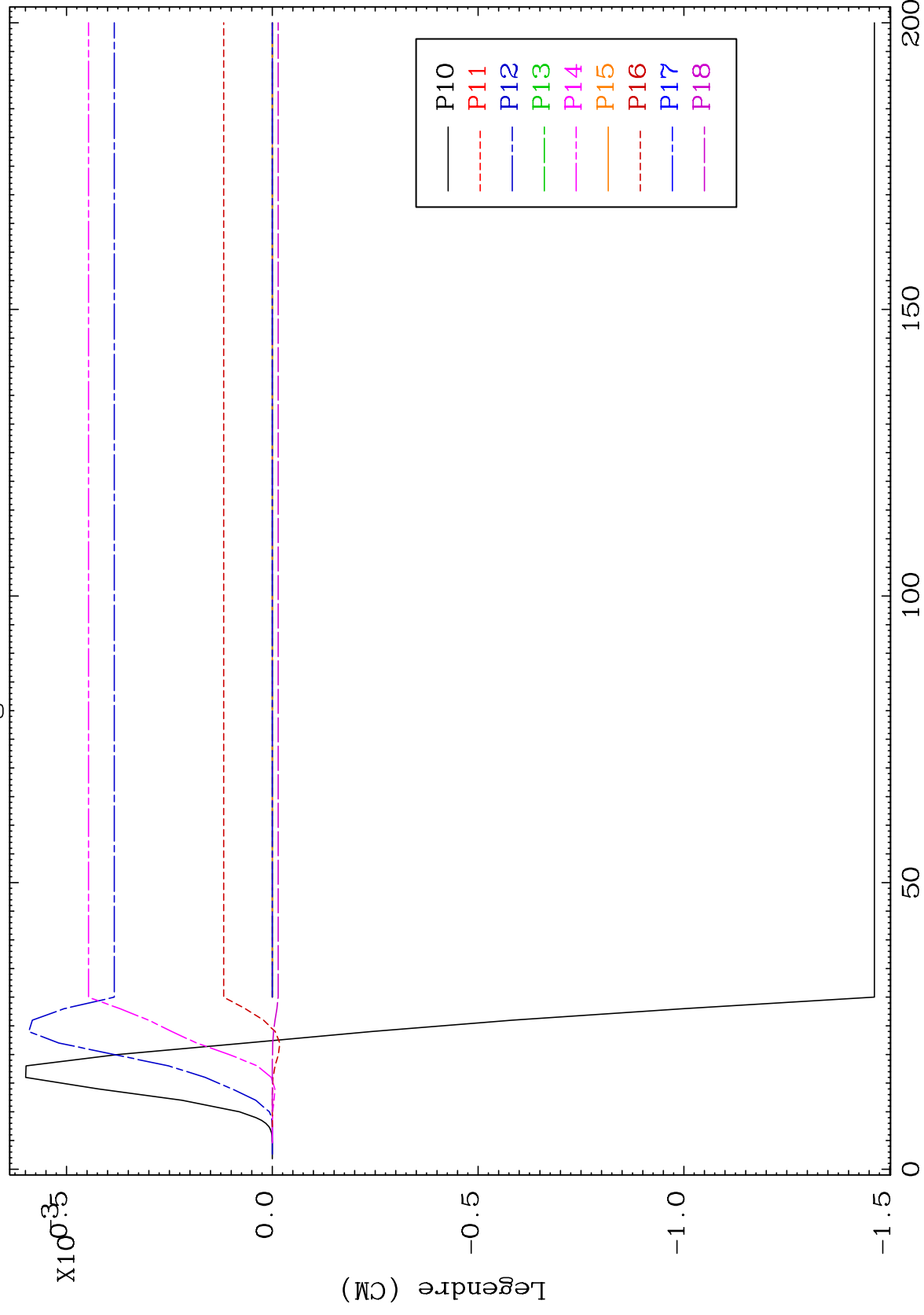
Incident Energy (MeV)

58

MAT 5428

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

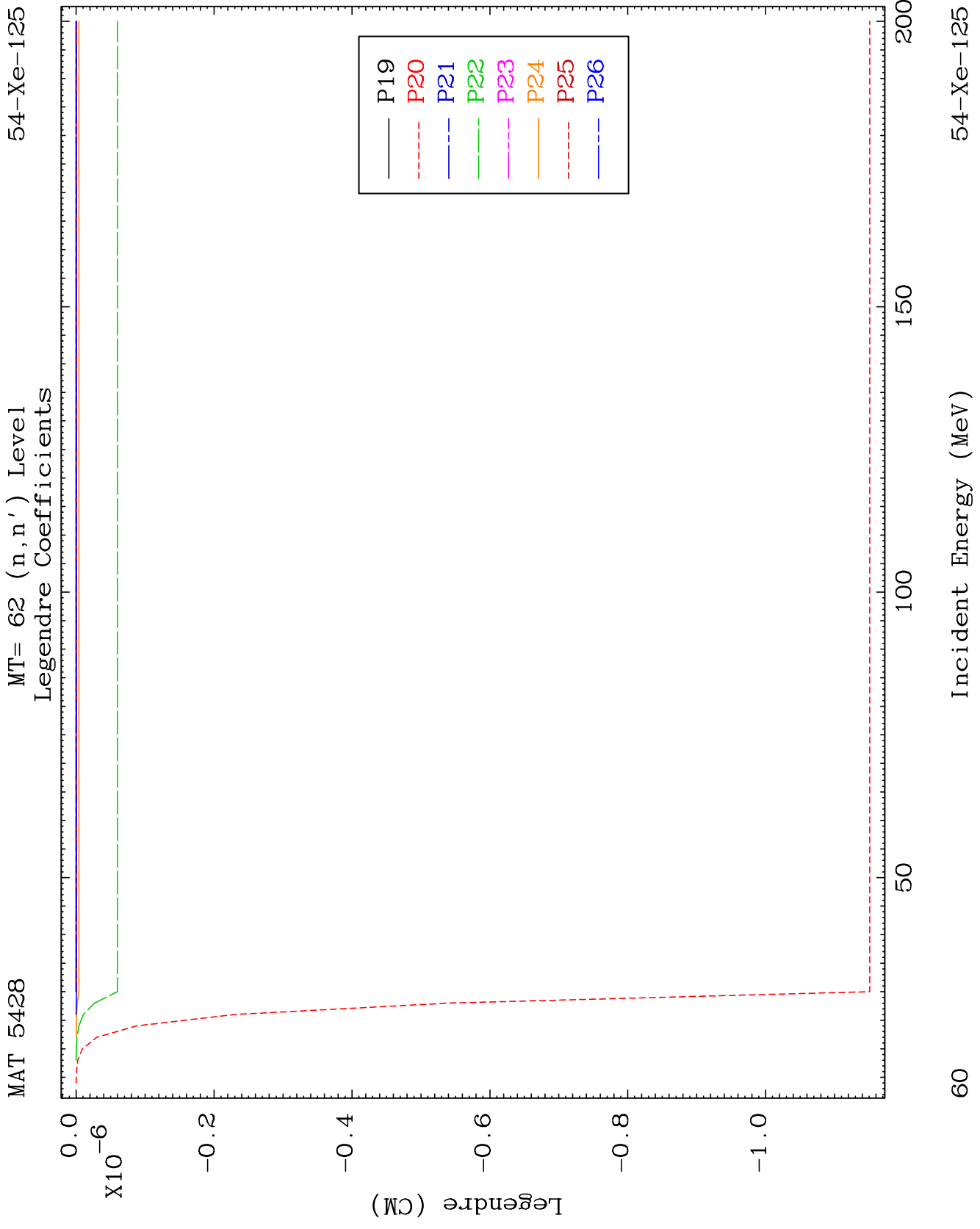
54-Xe-125



59

Incident Energy (MeV)

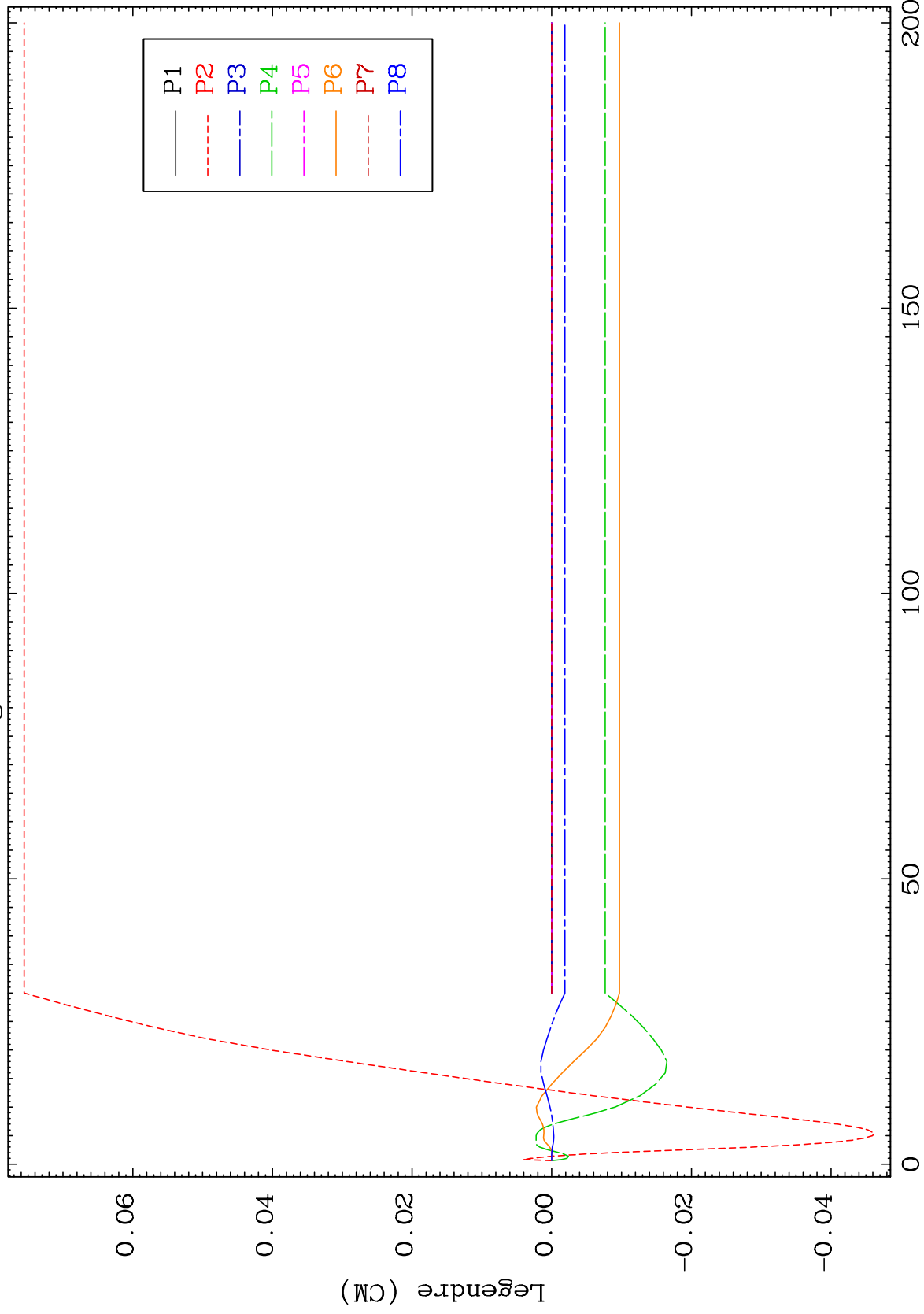
54-Xe-125



MAT 5428

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

54-Xe-125



61

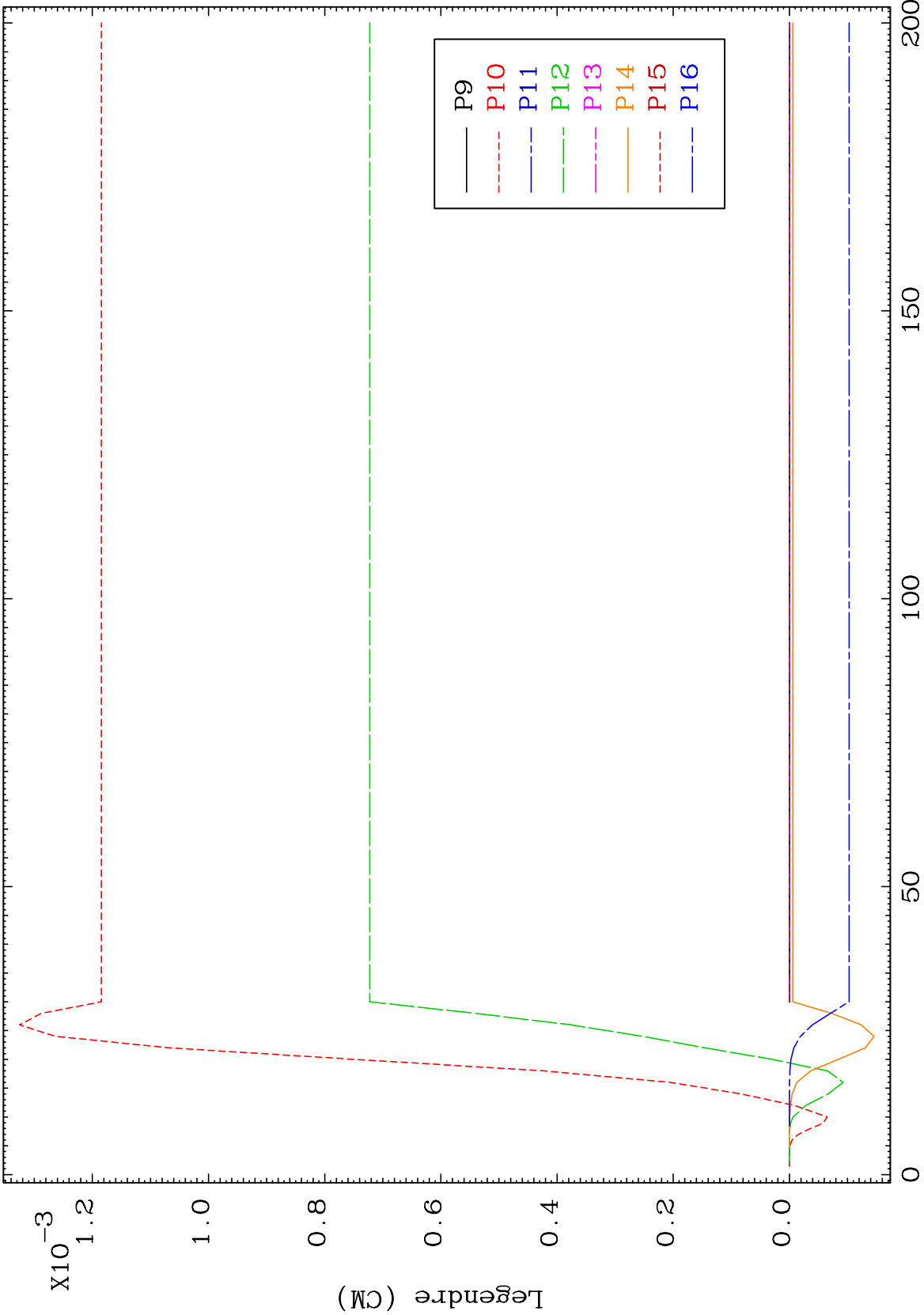
Incident Energy (MeV)

54-Xe-125

MAT 5428

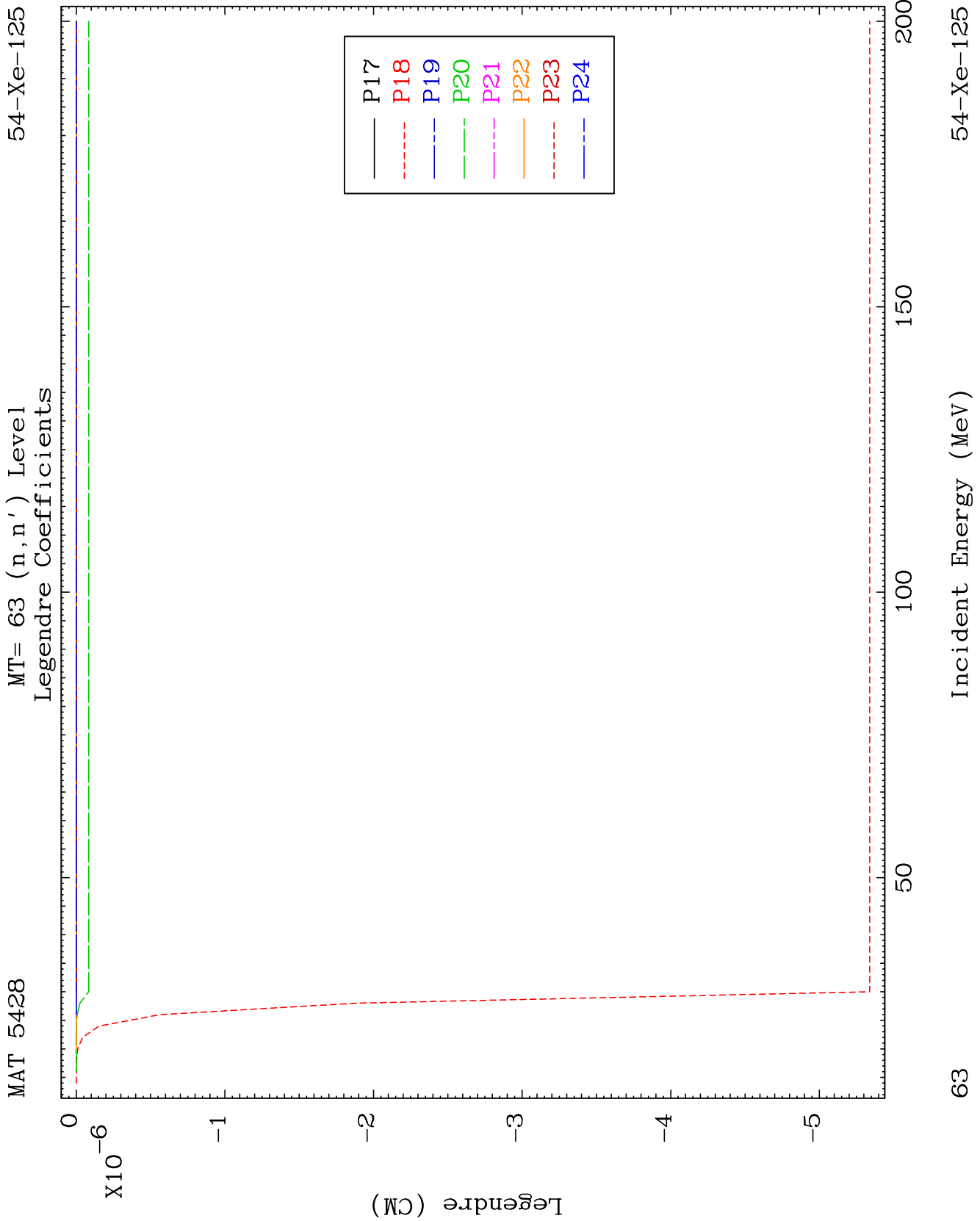
MT= 63 (n,n') Level  
Legendre Coefficients

54-Xe-125



62

54-Xe-125



63

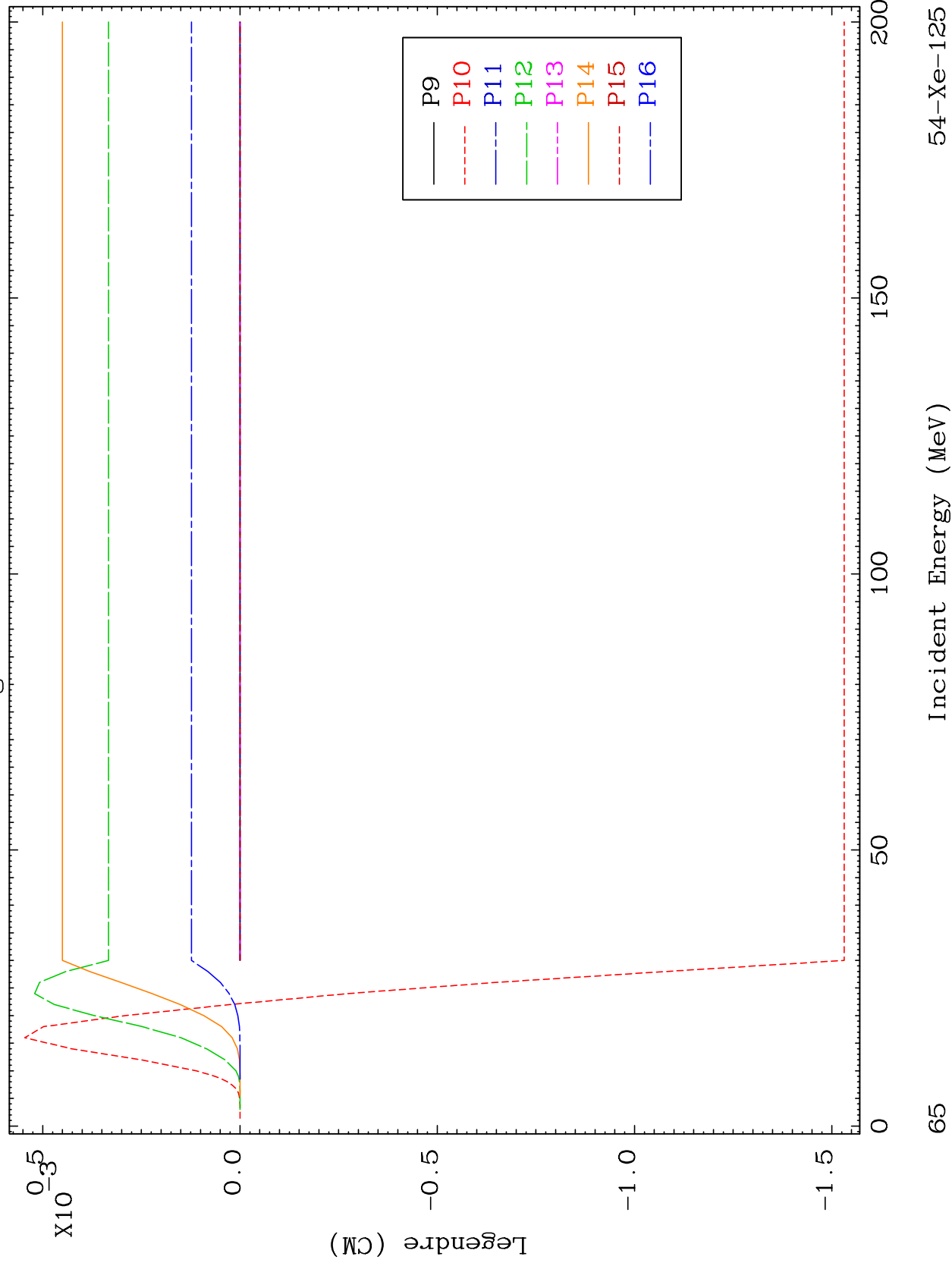
54-Xe-125



MAT 5428

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

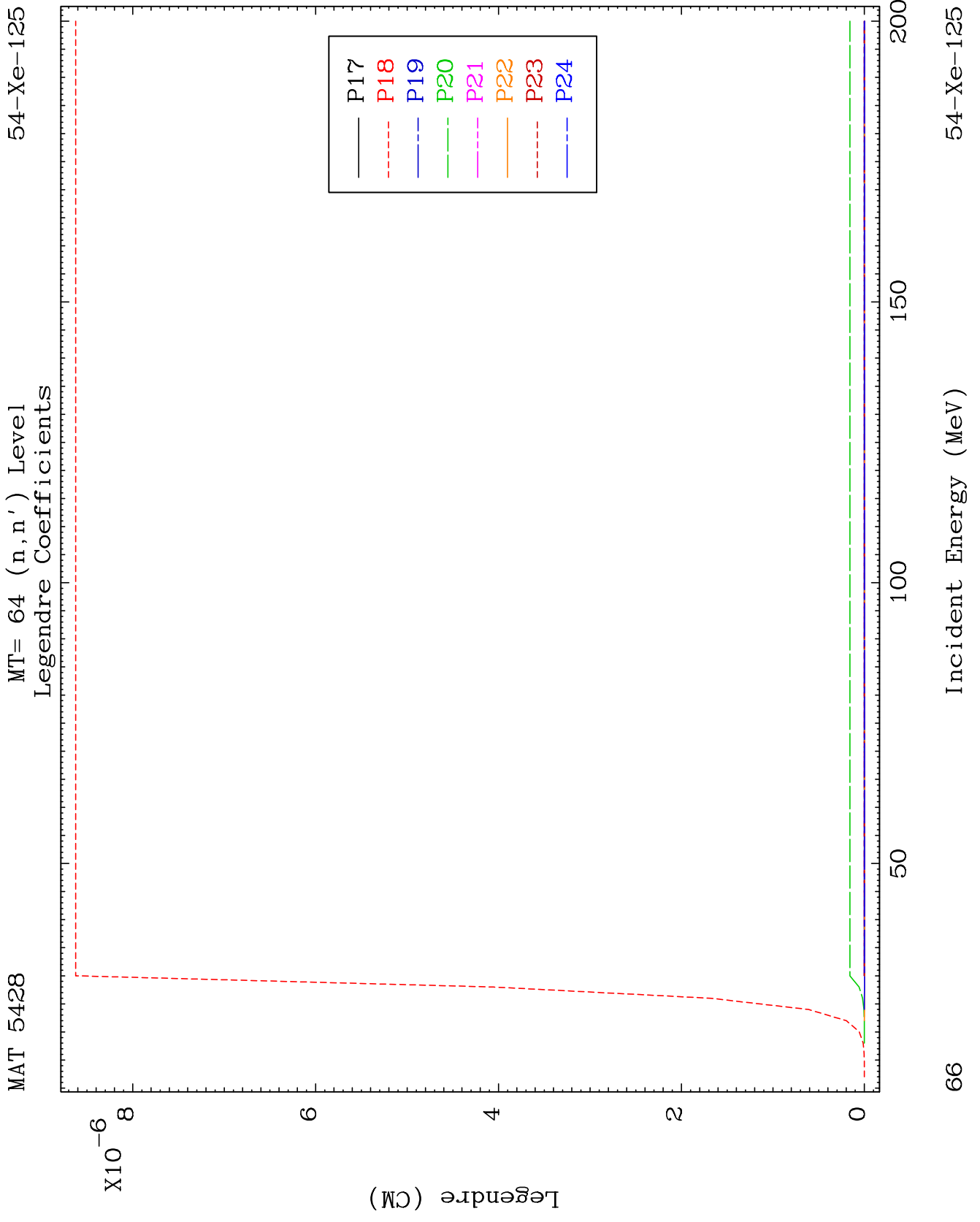
54-Xe-125



54-Xe-125

Incident Energy (MeV)

65

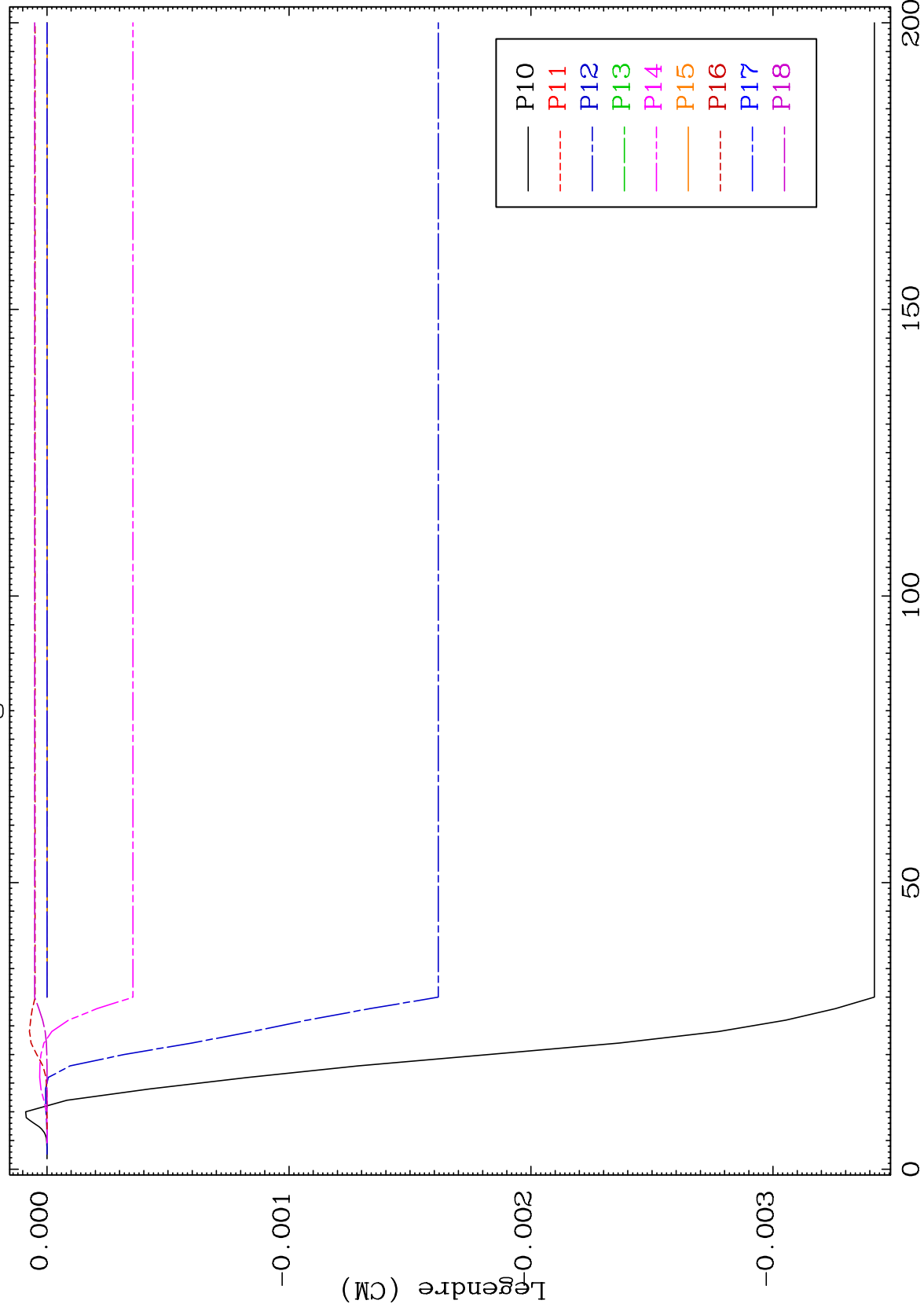




MAT 5428

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

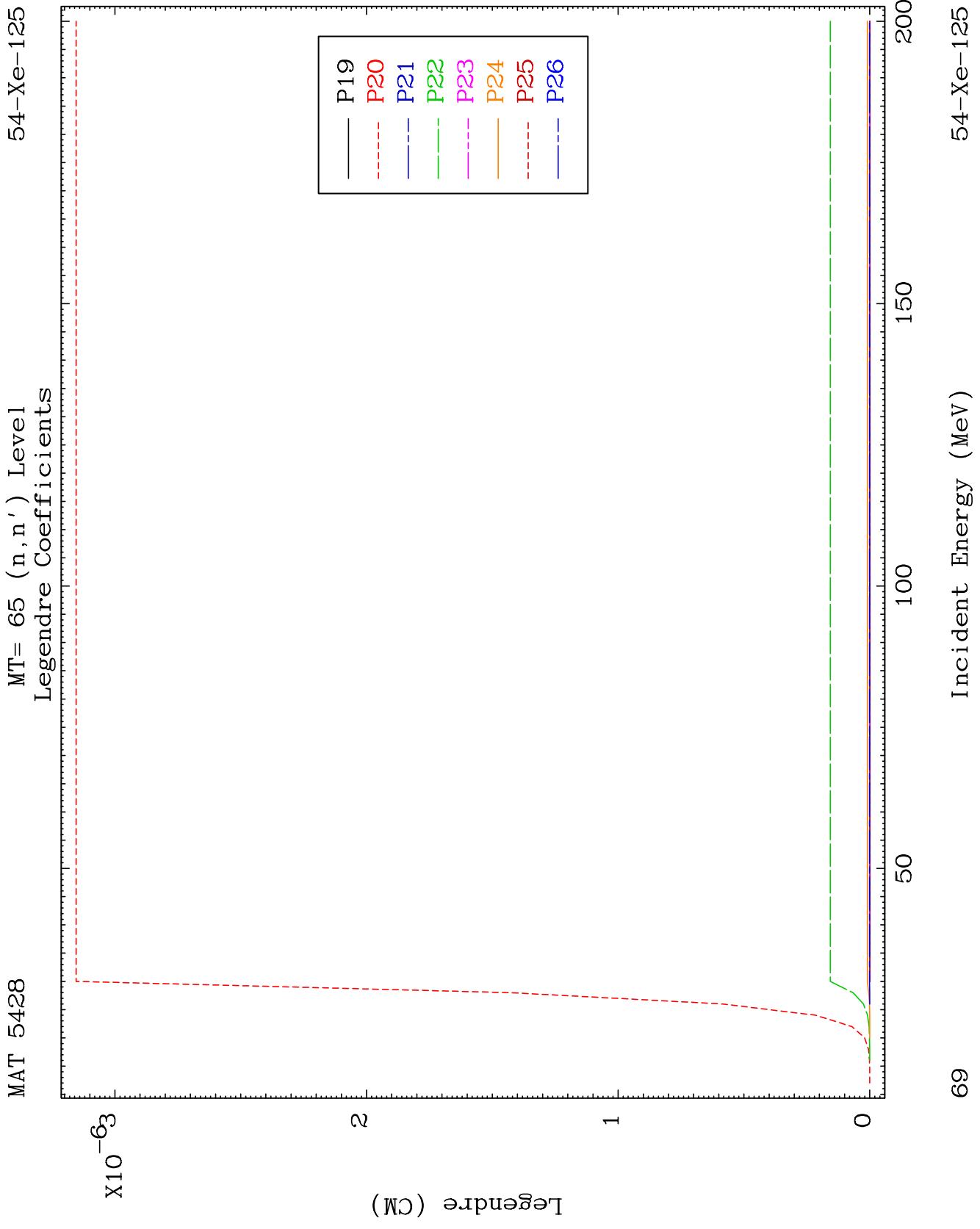
54-Xe-125



68

Incident Energy (MeV)

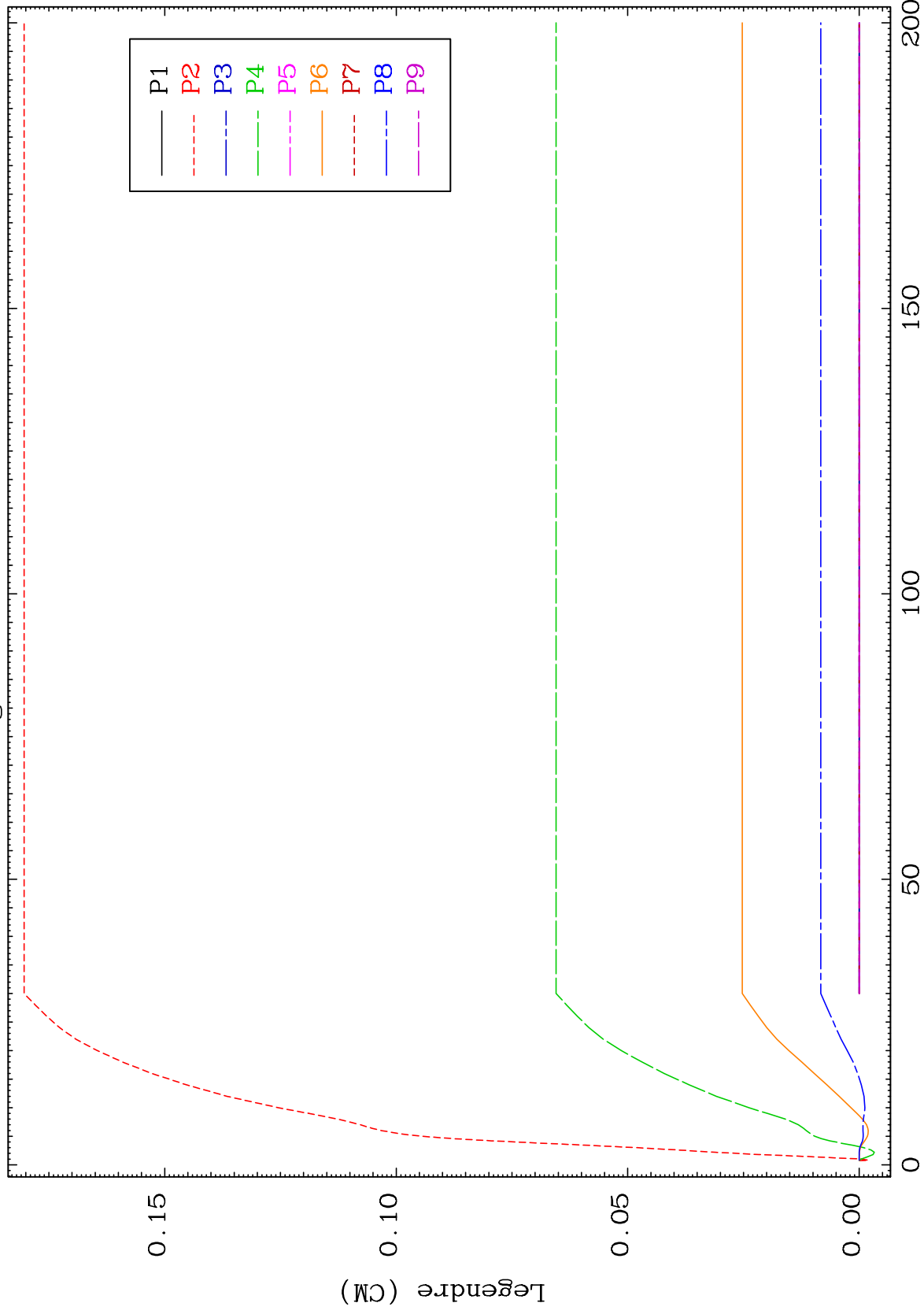
54-Xe-125



MAT 5428

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

54-Xe-125



54-Xe-125

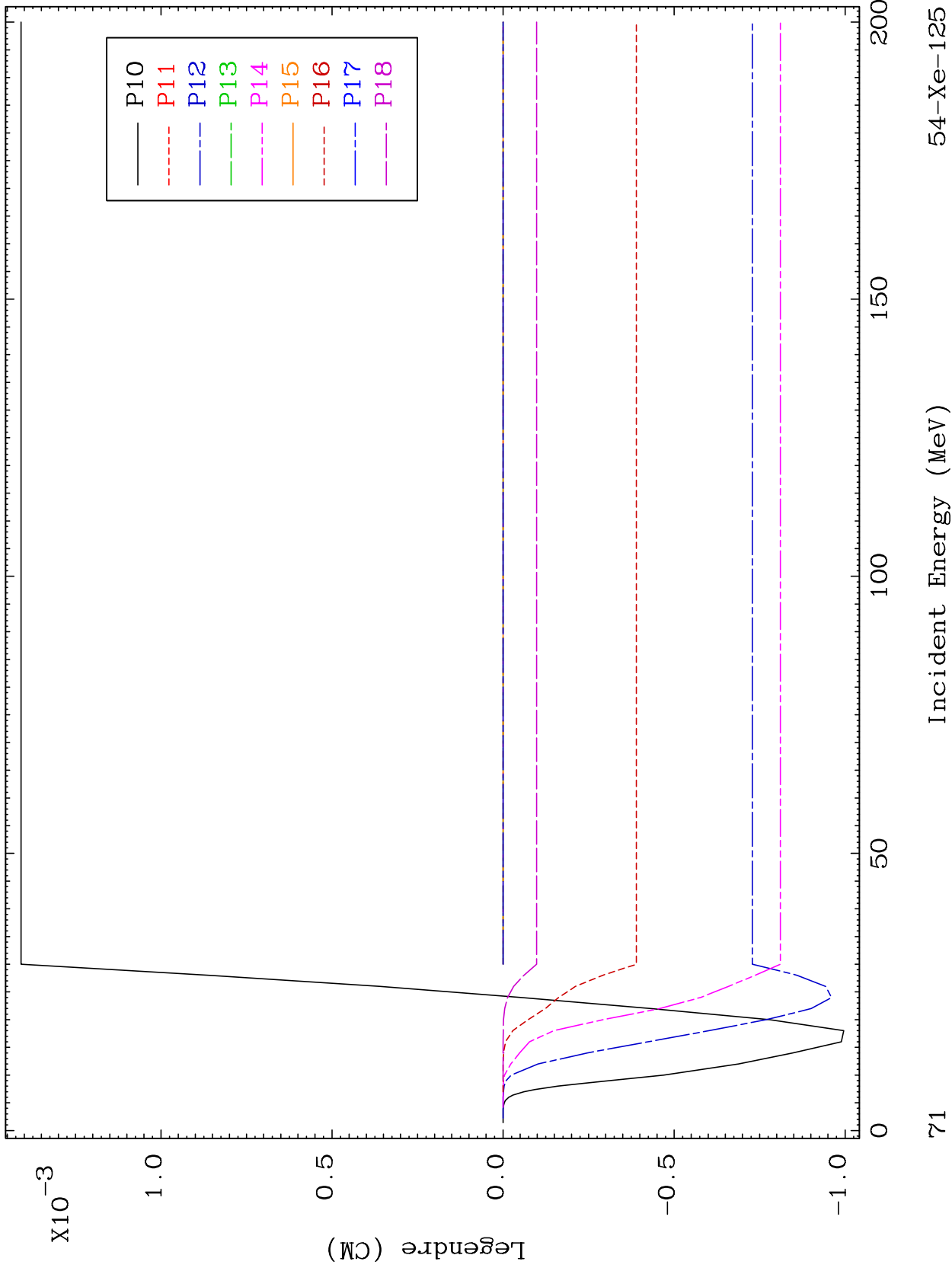
Incident Energy (MeV)

70

MAT 5428

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

54-Xe-125



71

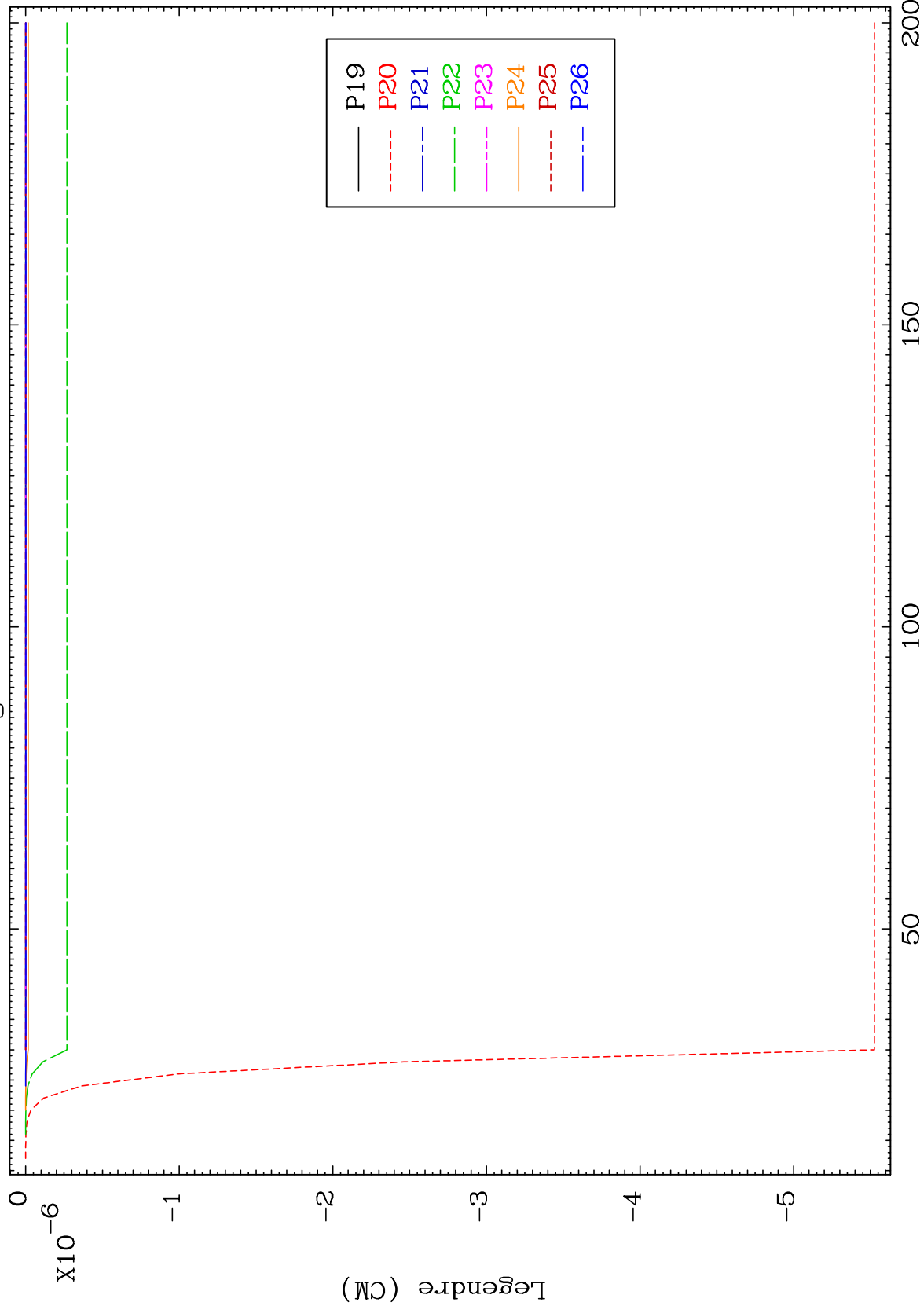
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



54-Xe-125

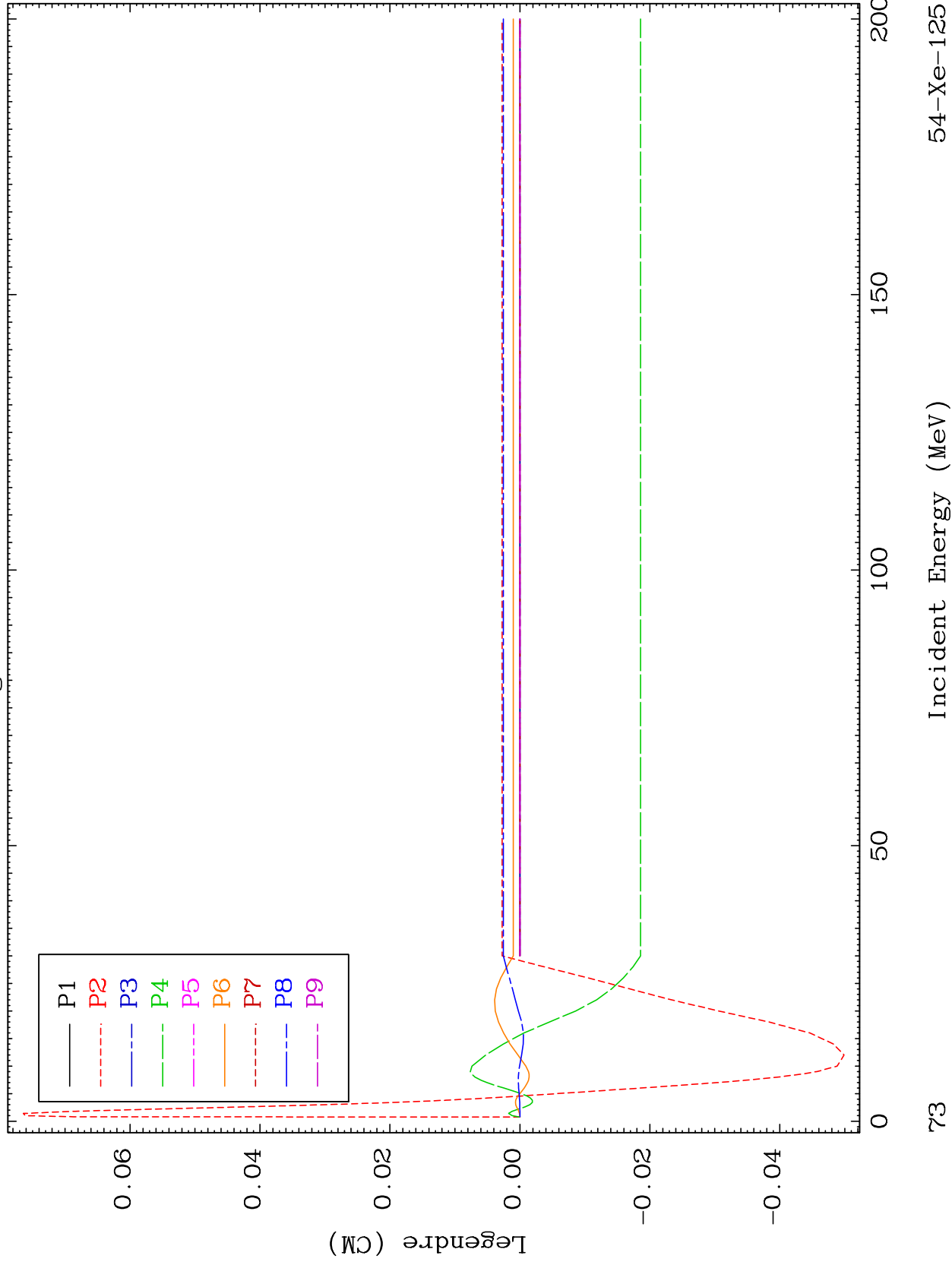
Incident Energy (MeV)

72

MAT 5428

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

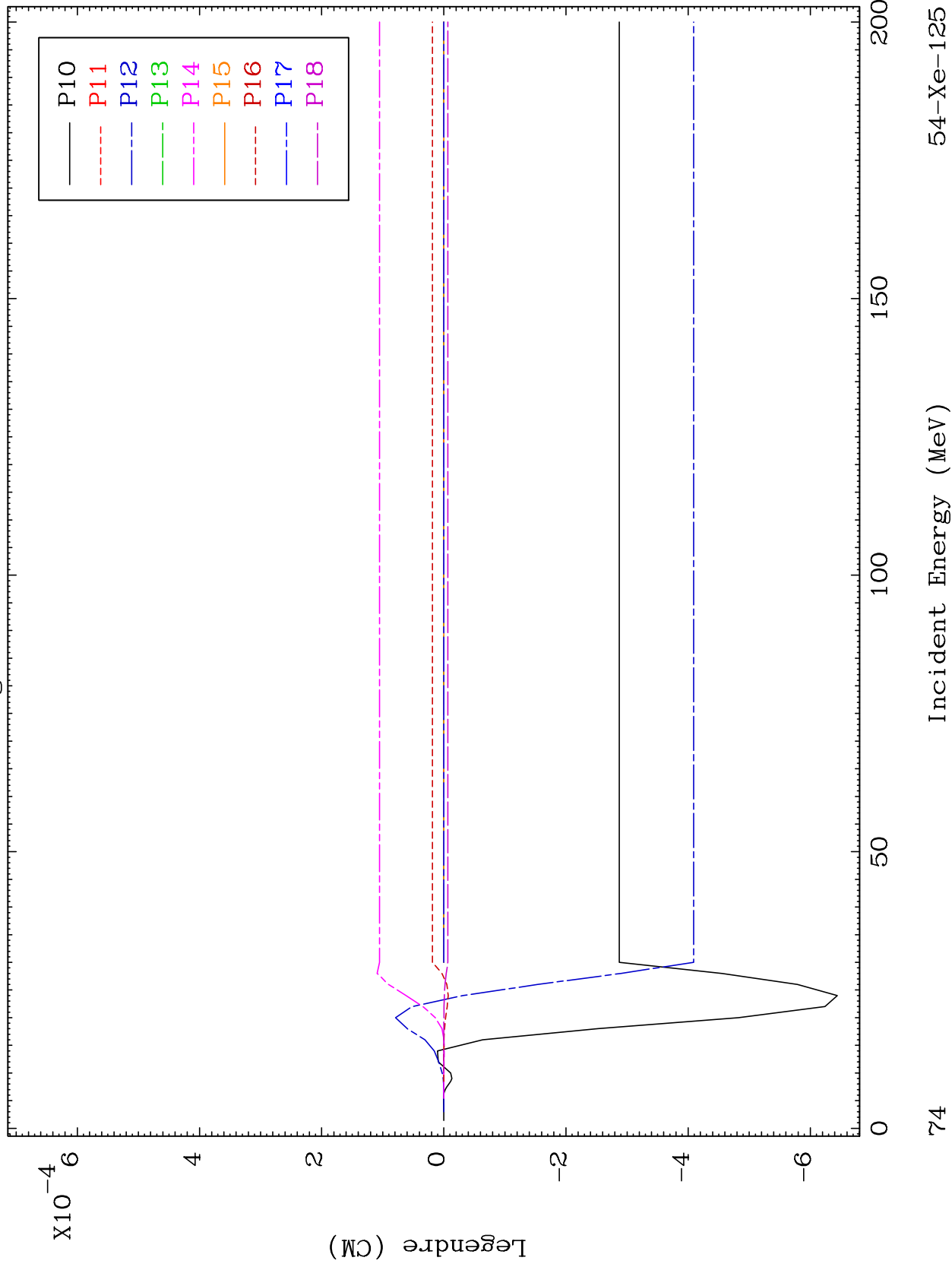
54-Xe-125

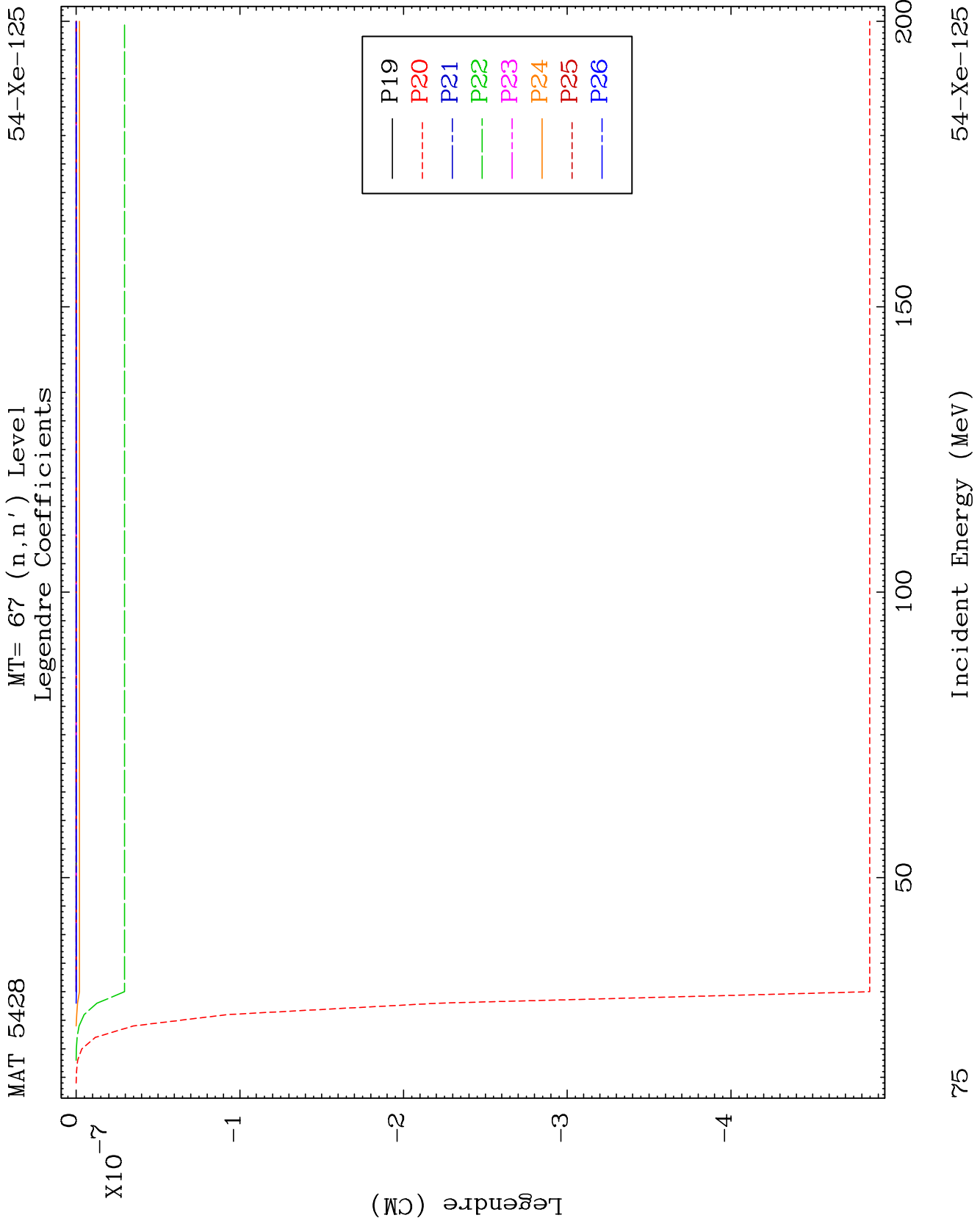


MAT 5428

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

54-Xe-125

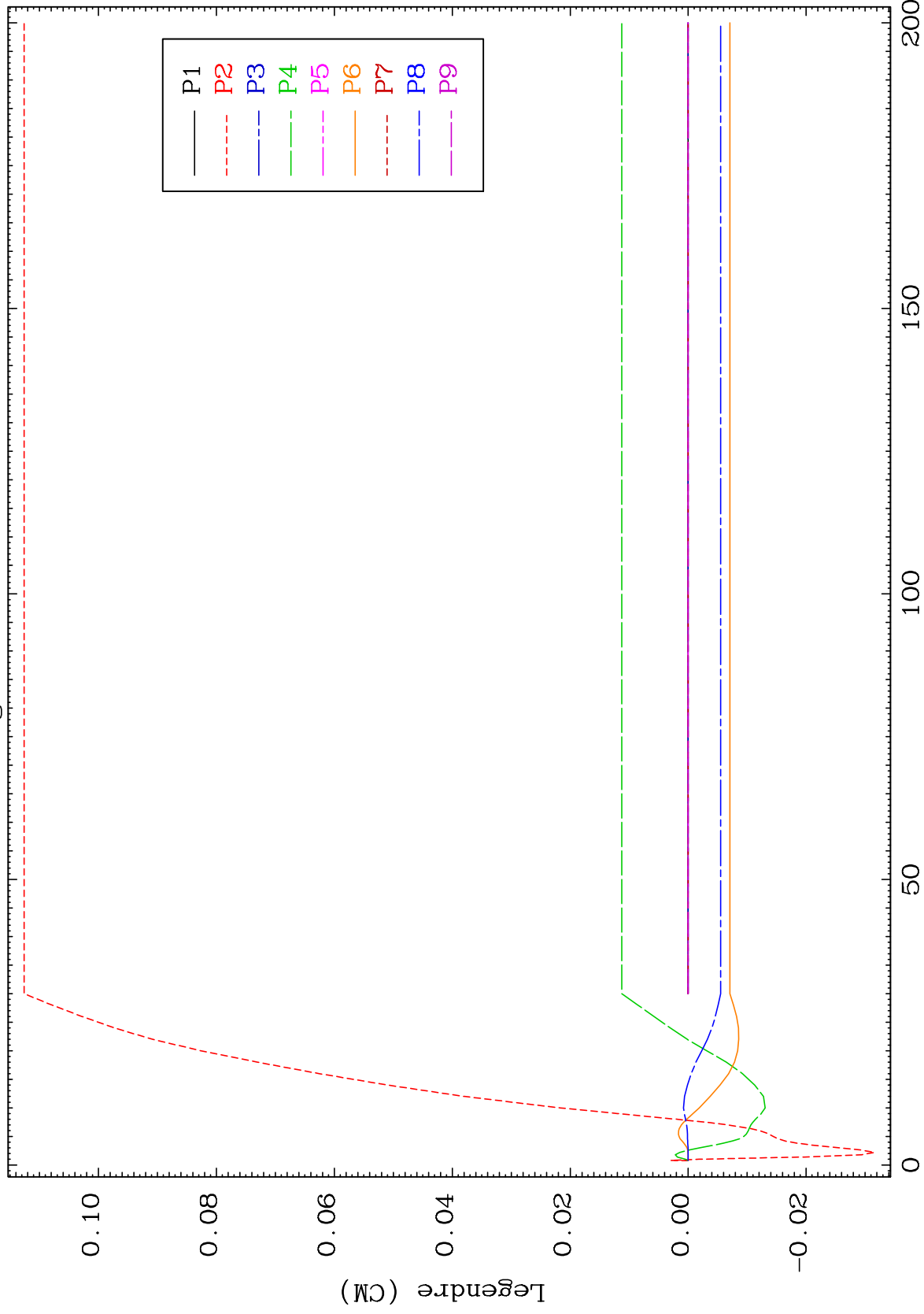




MAT 5428

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

54-Xe-125



76

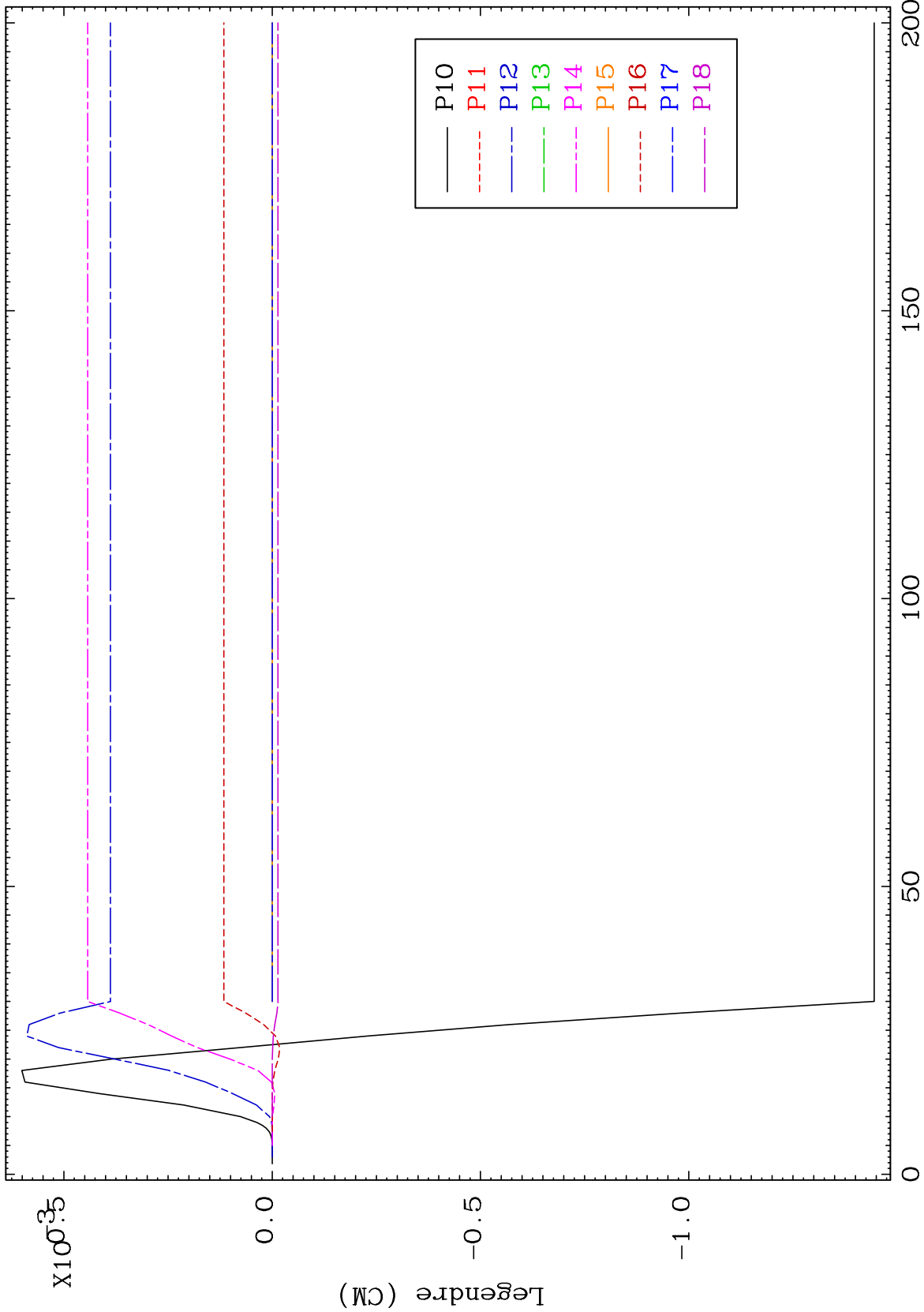
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

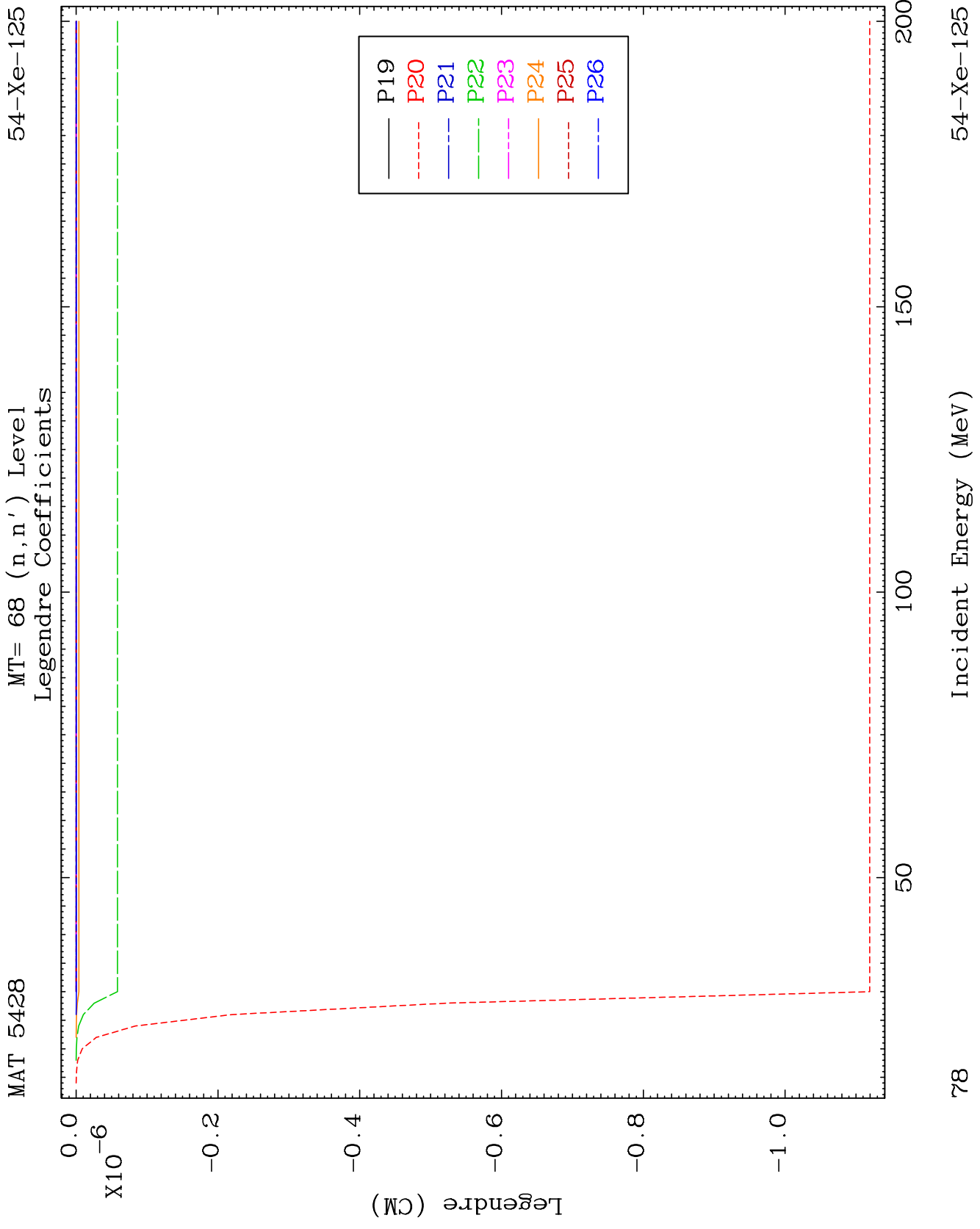
54-Xe-125

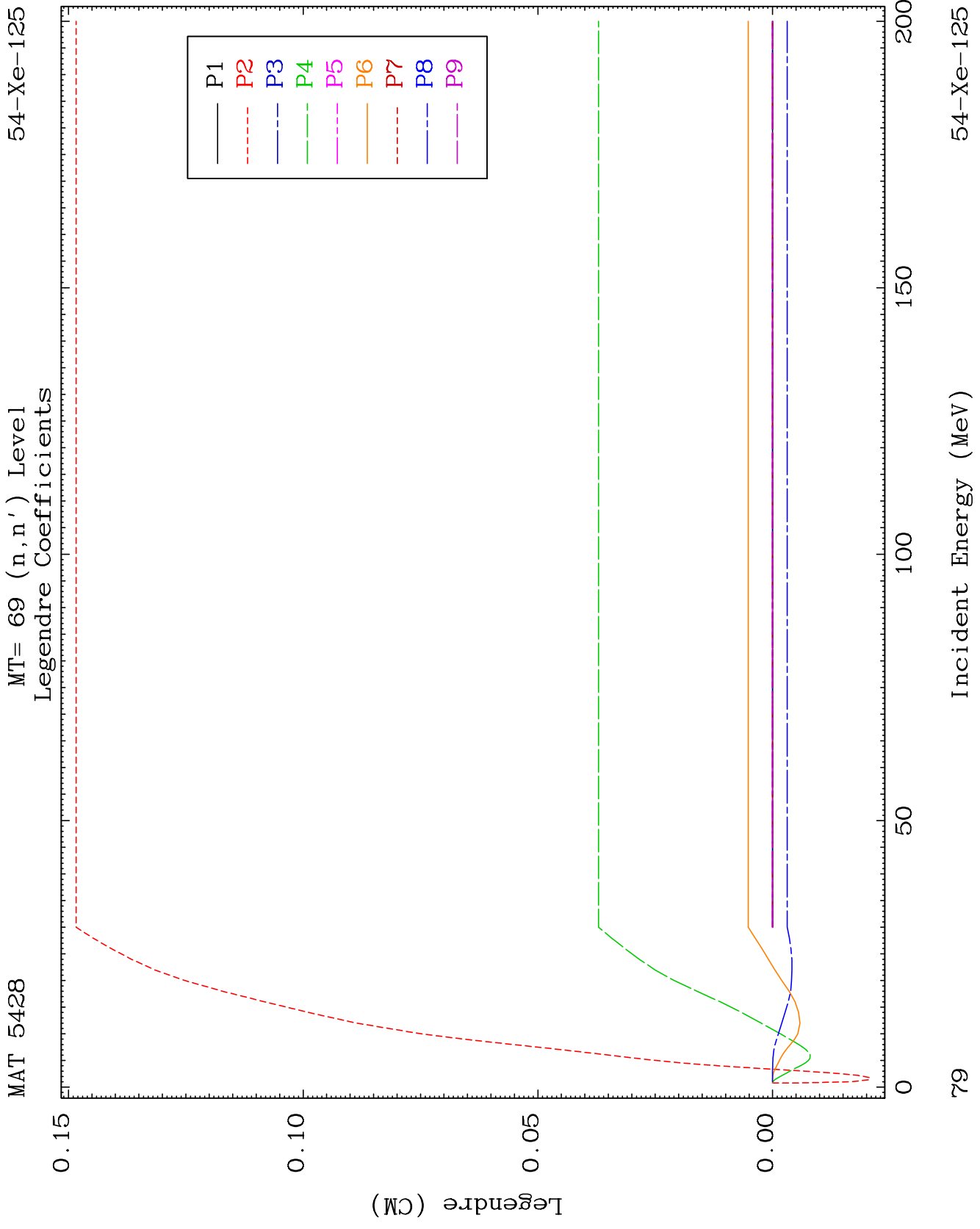


77

Incident Energy (MeV)

54-Xe-125

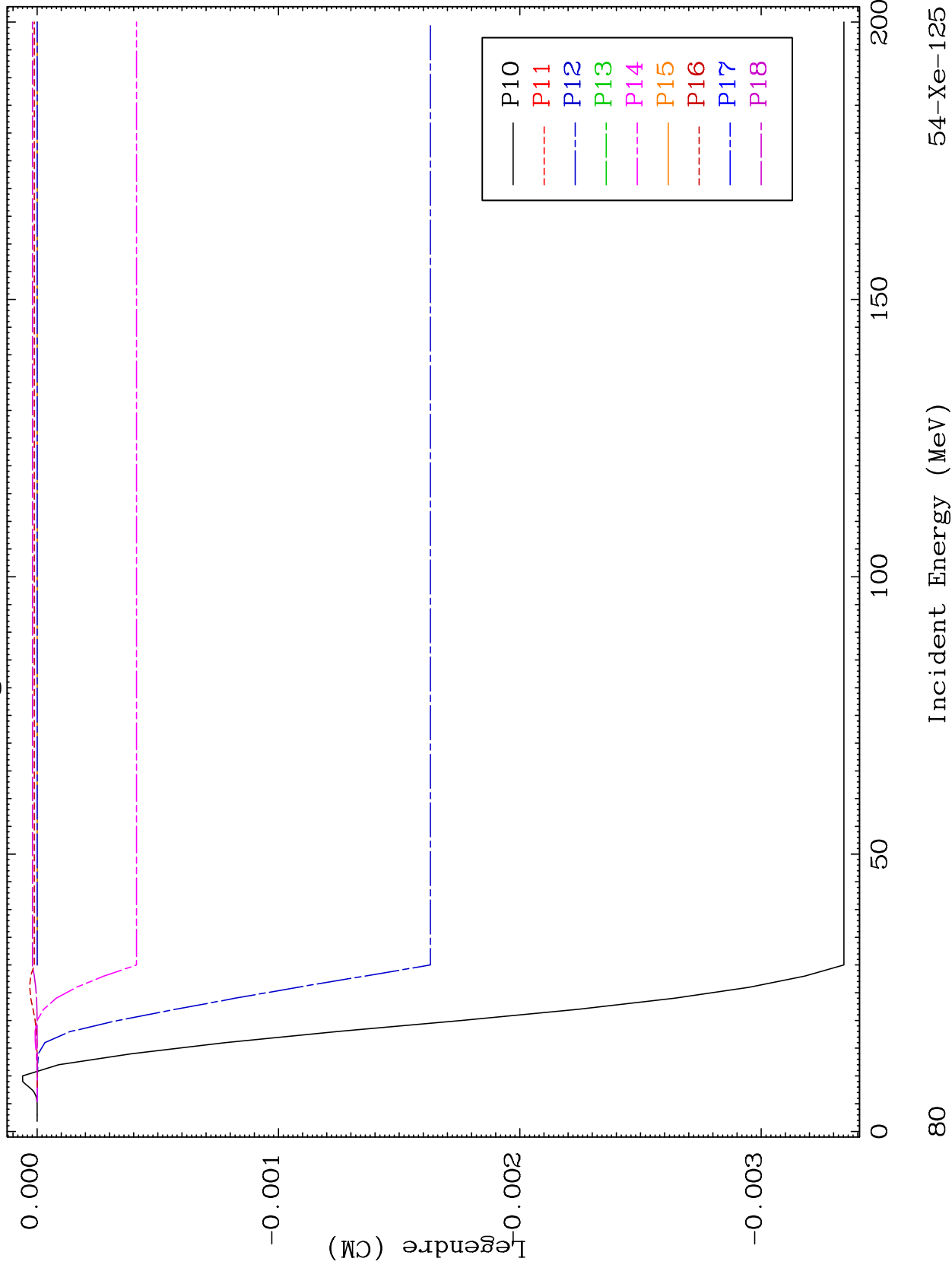




MAT 5428

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

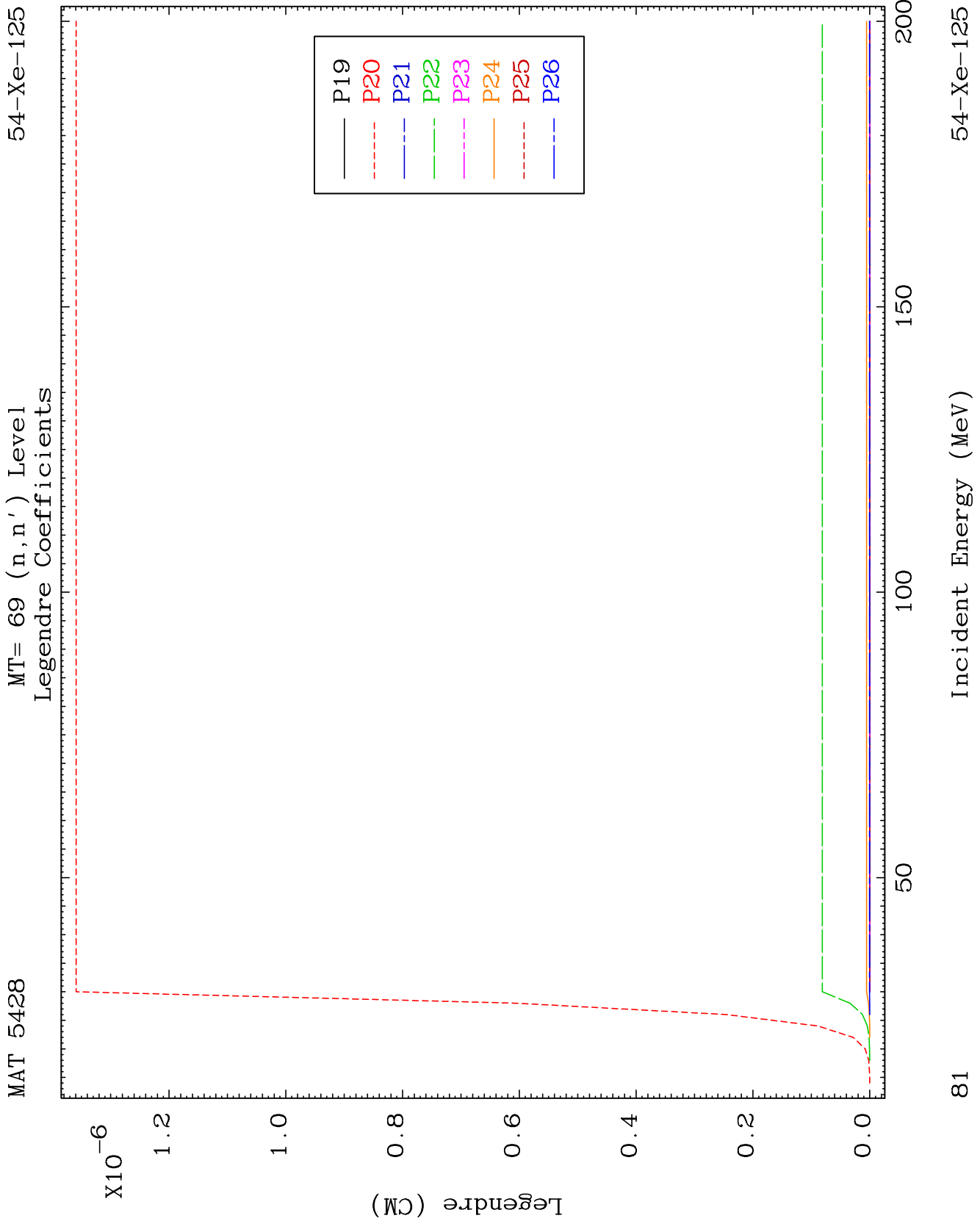
54-Xe-125

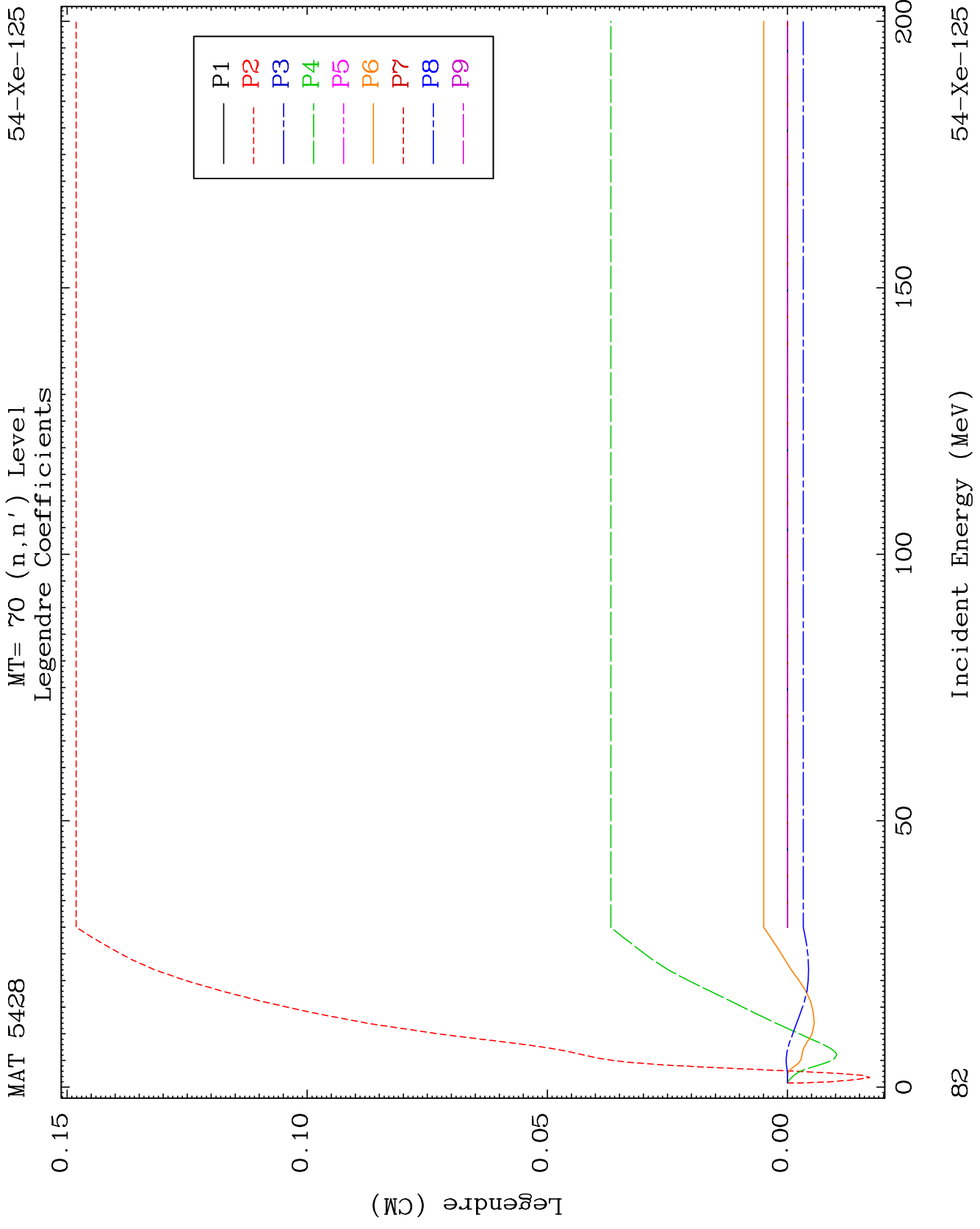


54-Xe-125

Incident Energy (MeV)

80

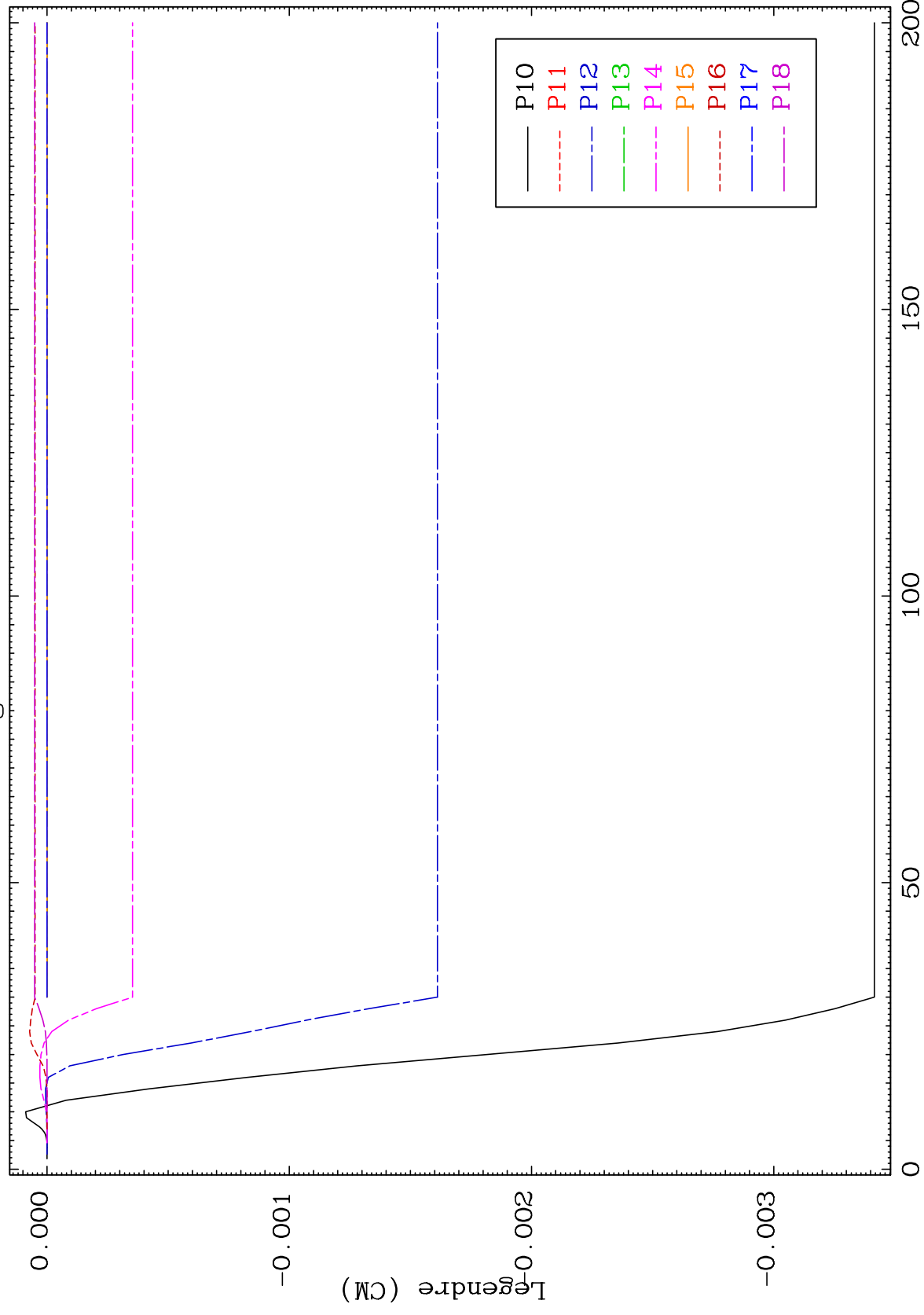


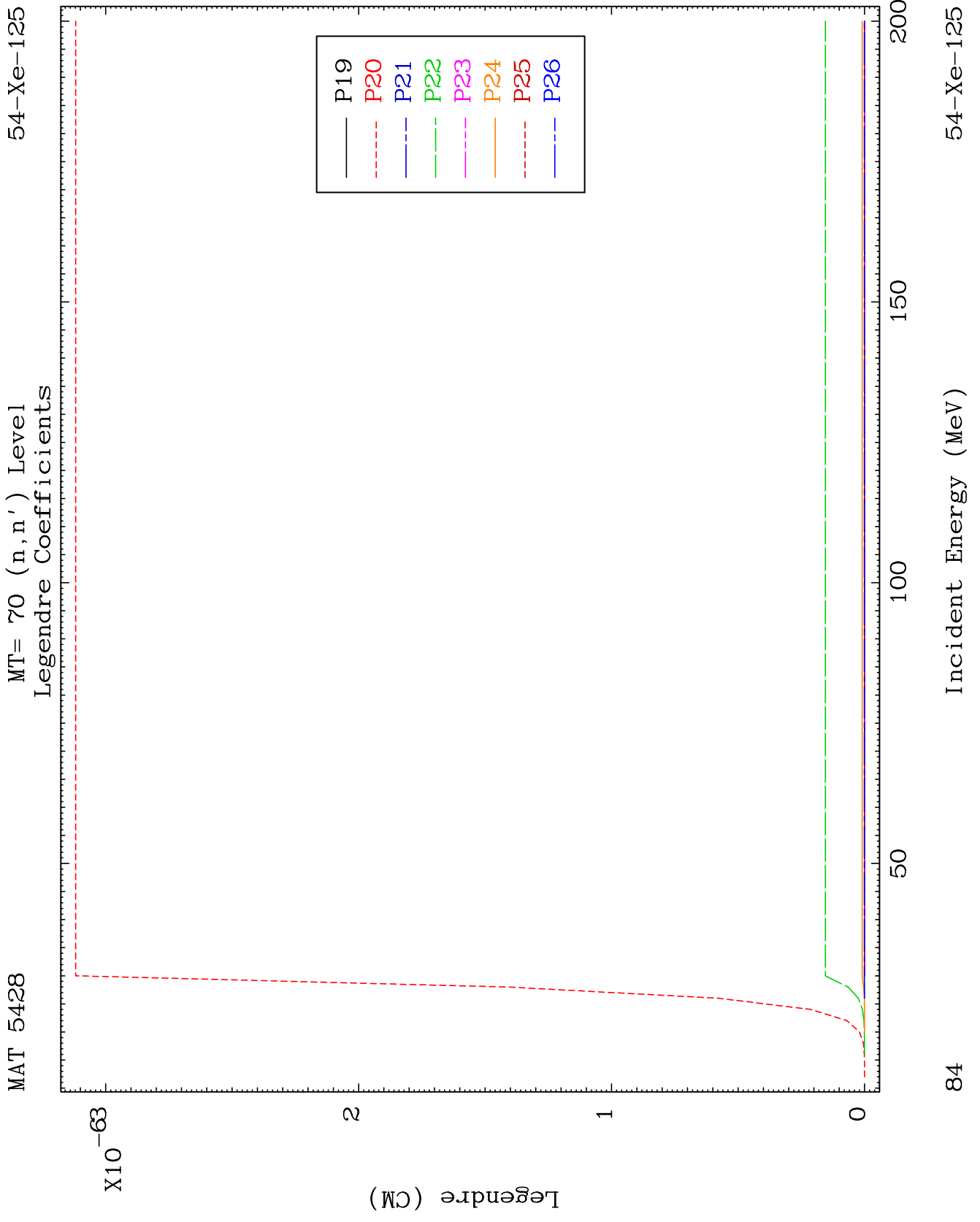


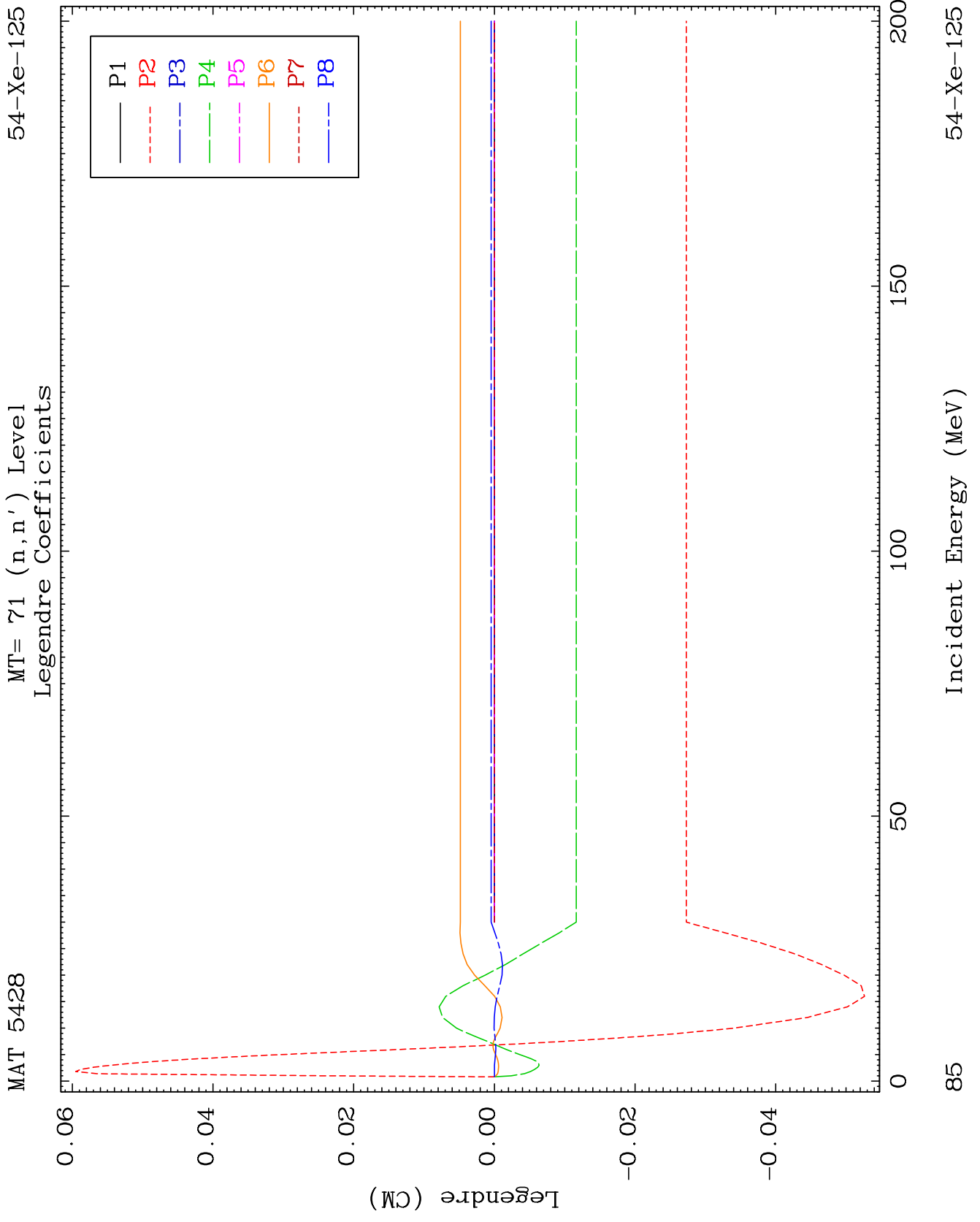
MAT 5428

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

54-Xe-125



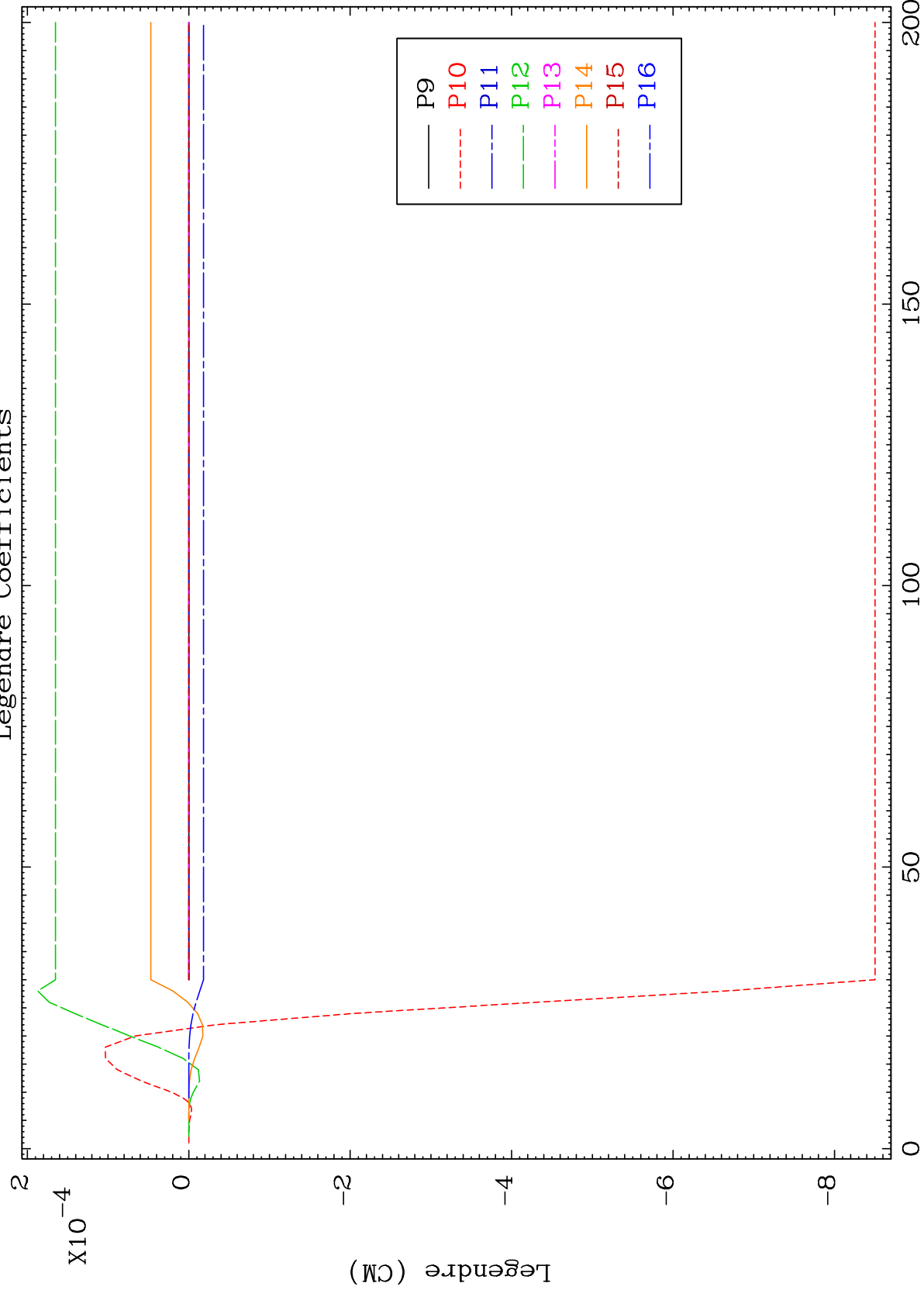




MAT 5428

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

54-Xe-125



86

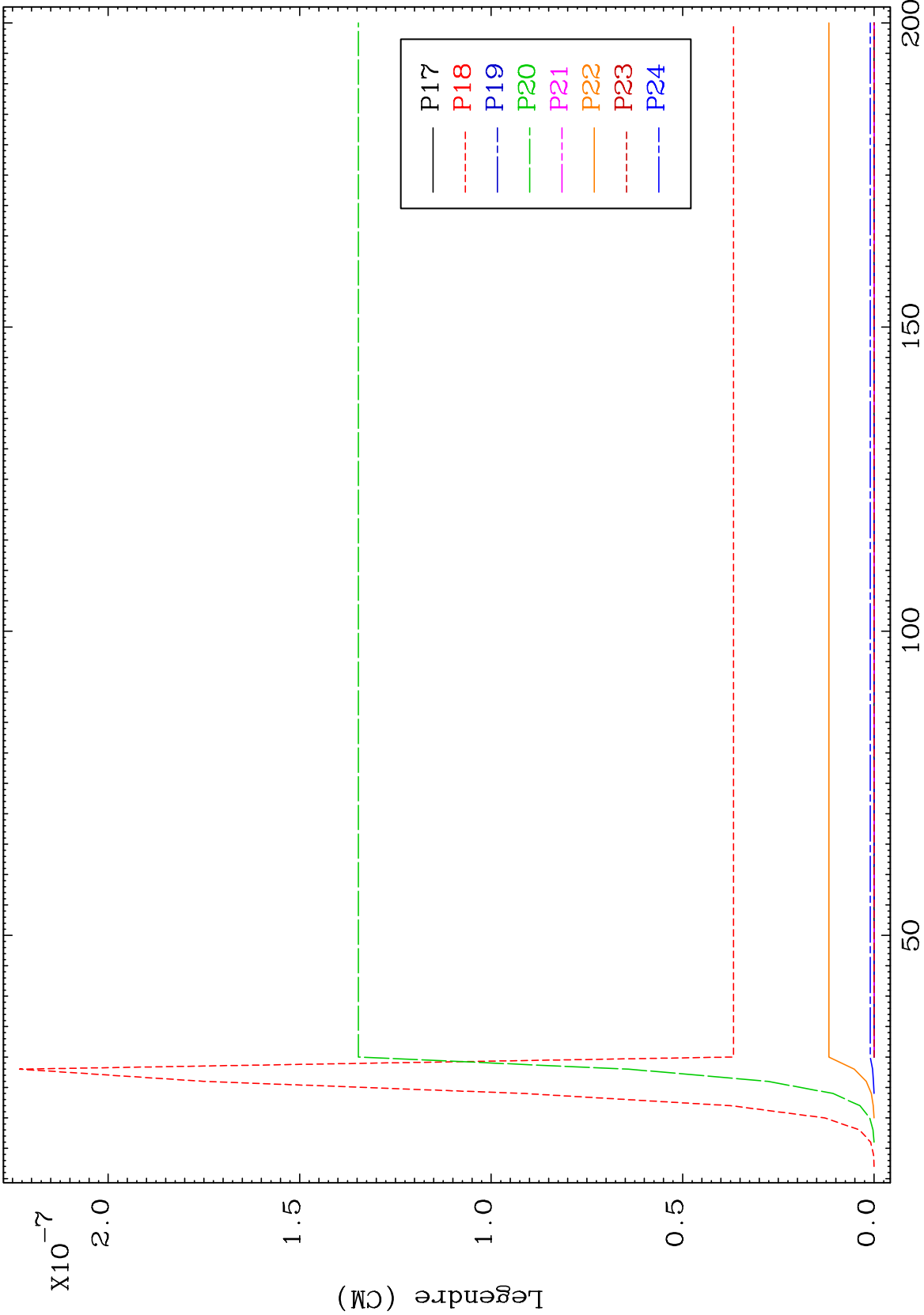
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



87

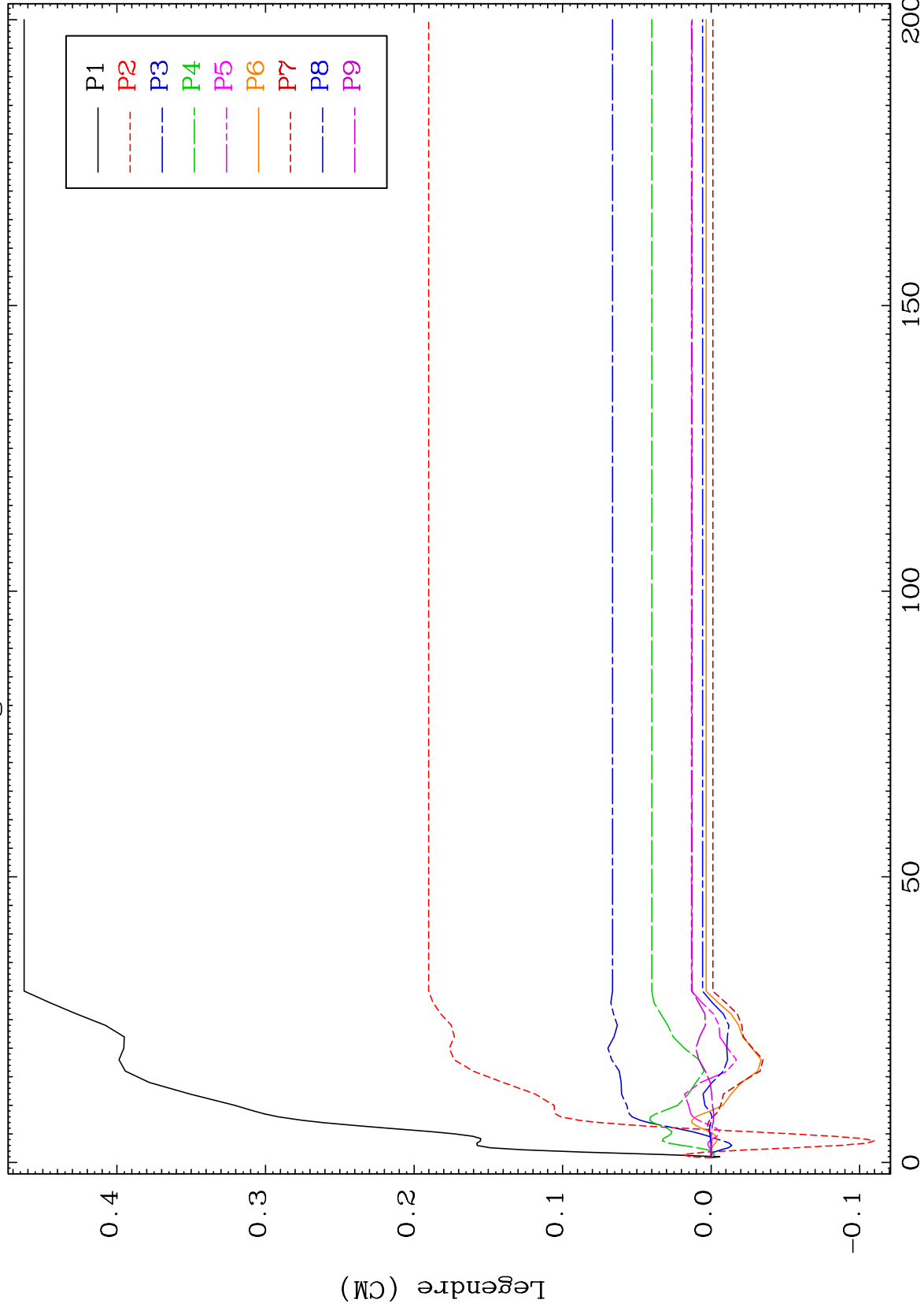
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



54-Xe-125

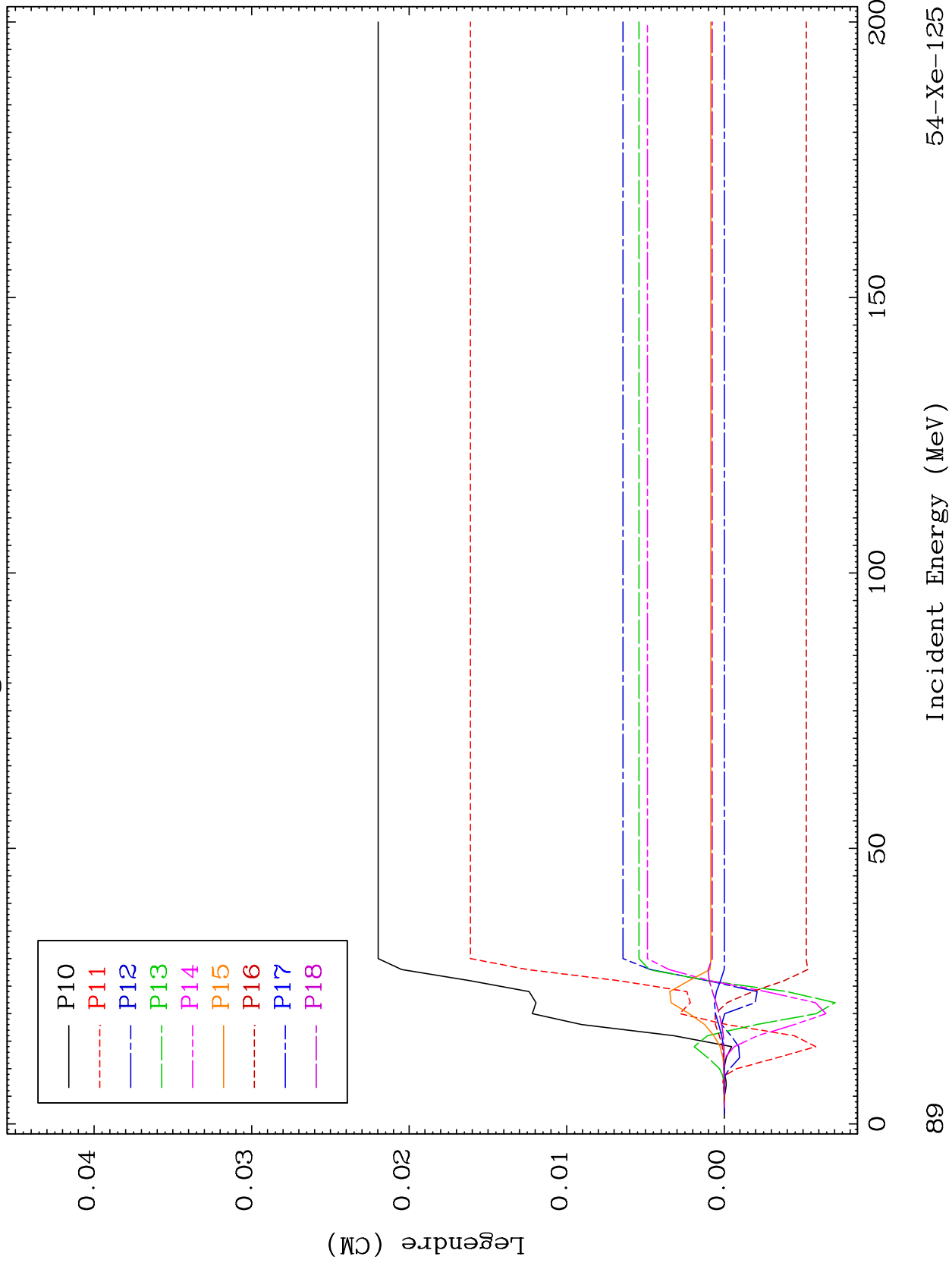
Incident Energy (MeV)

88

MAT 5428

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

54-Xe-125



89

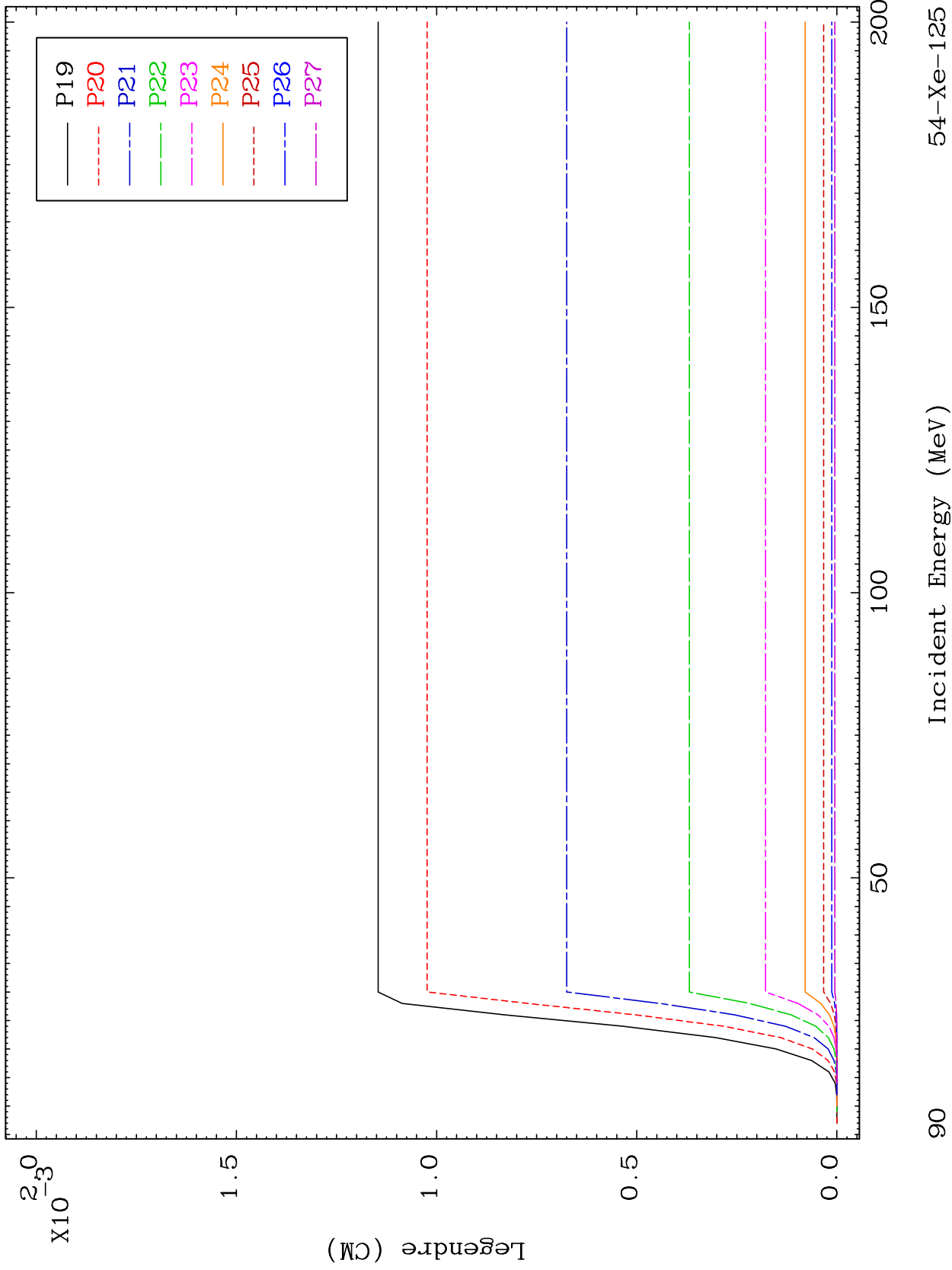
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

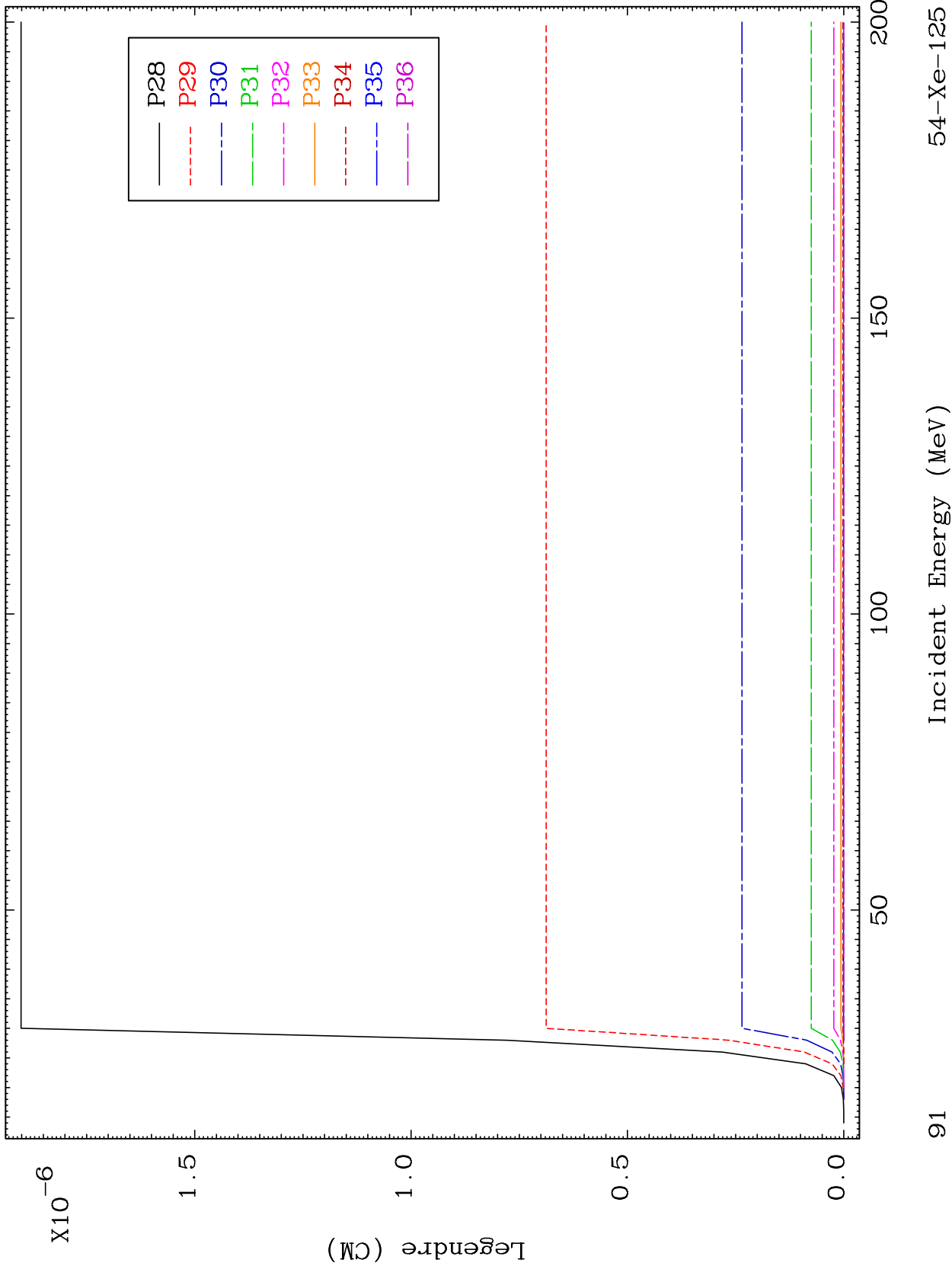
54-Xe-125



MAT 5428

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

54-Xe-125



91

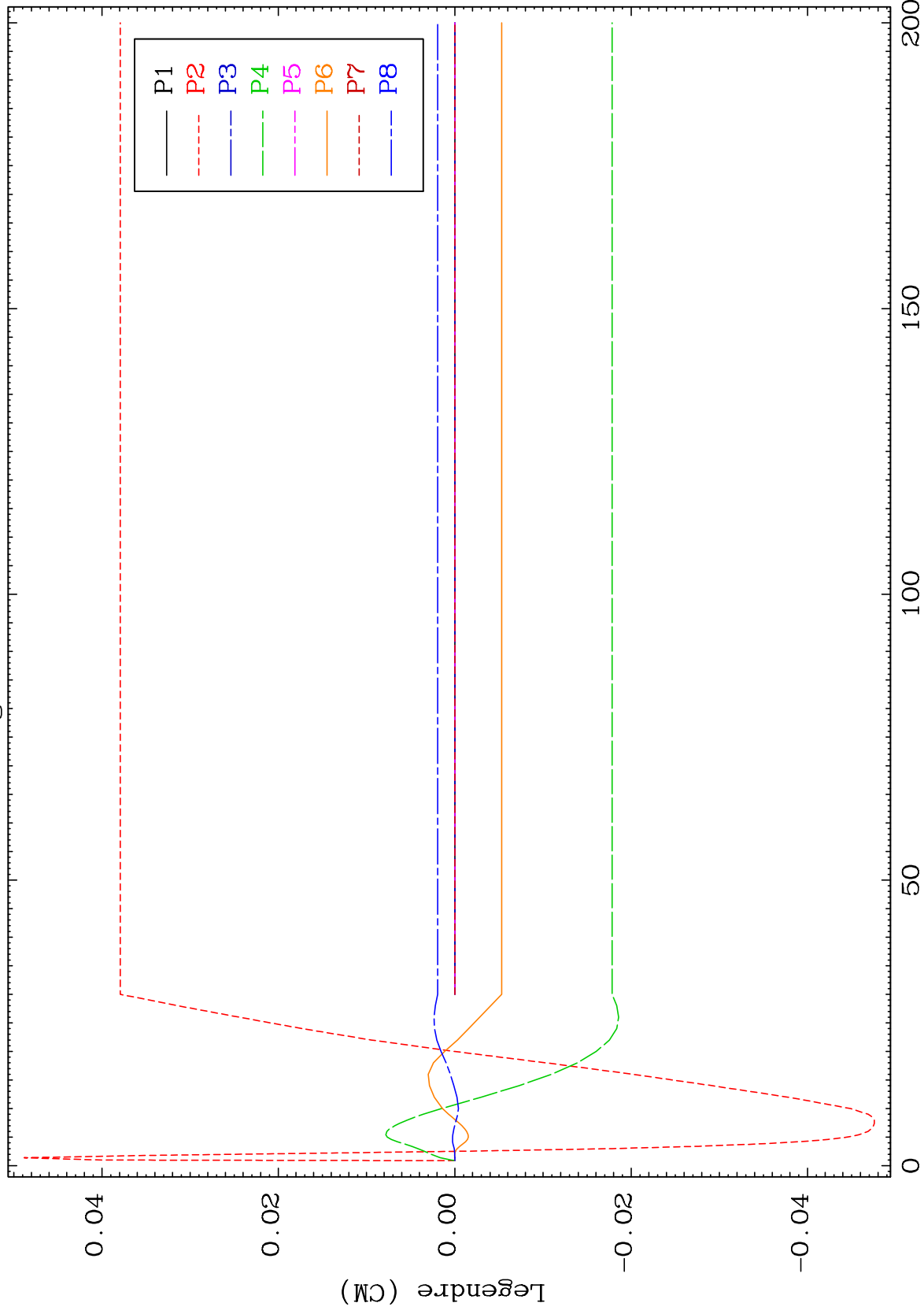
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

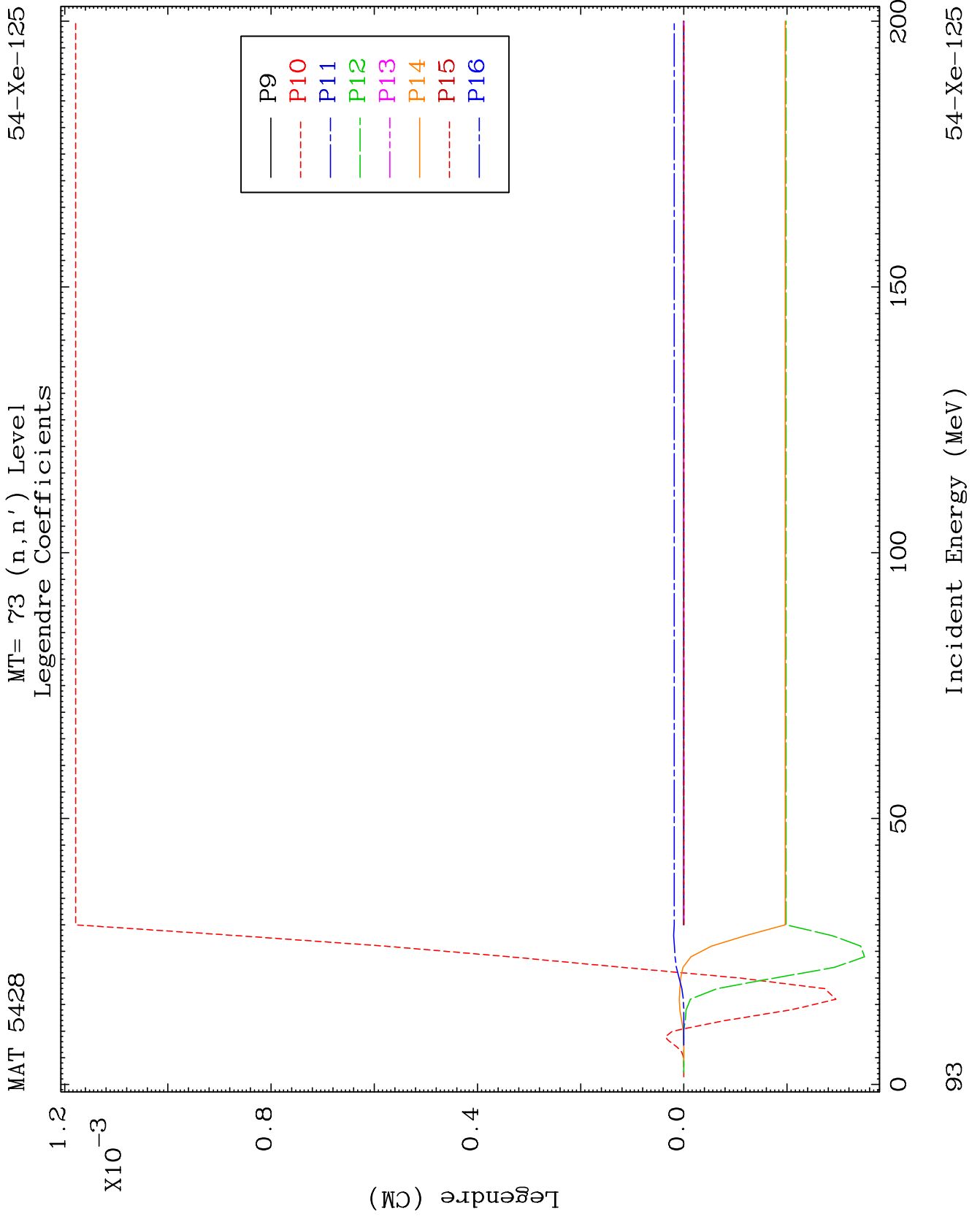
54-Xe-125



54-Xe-125

Incident Energy (MeV)

92



54-Xe-125

Incident Energy (MeV)

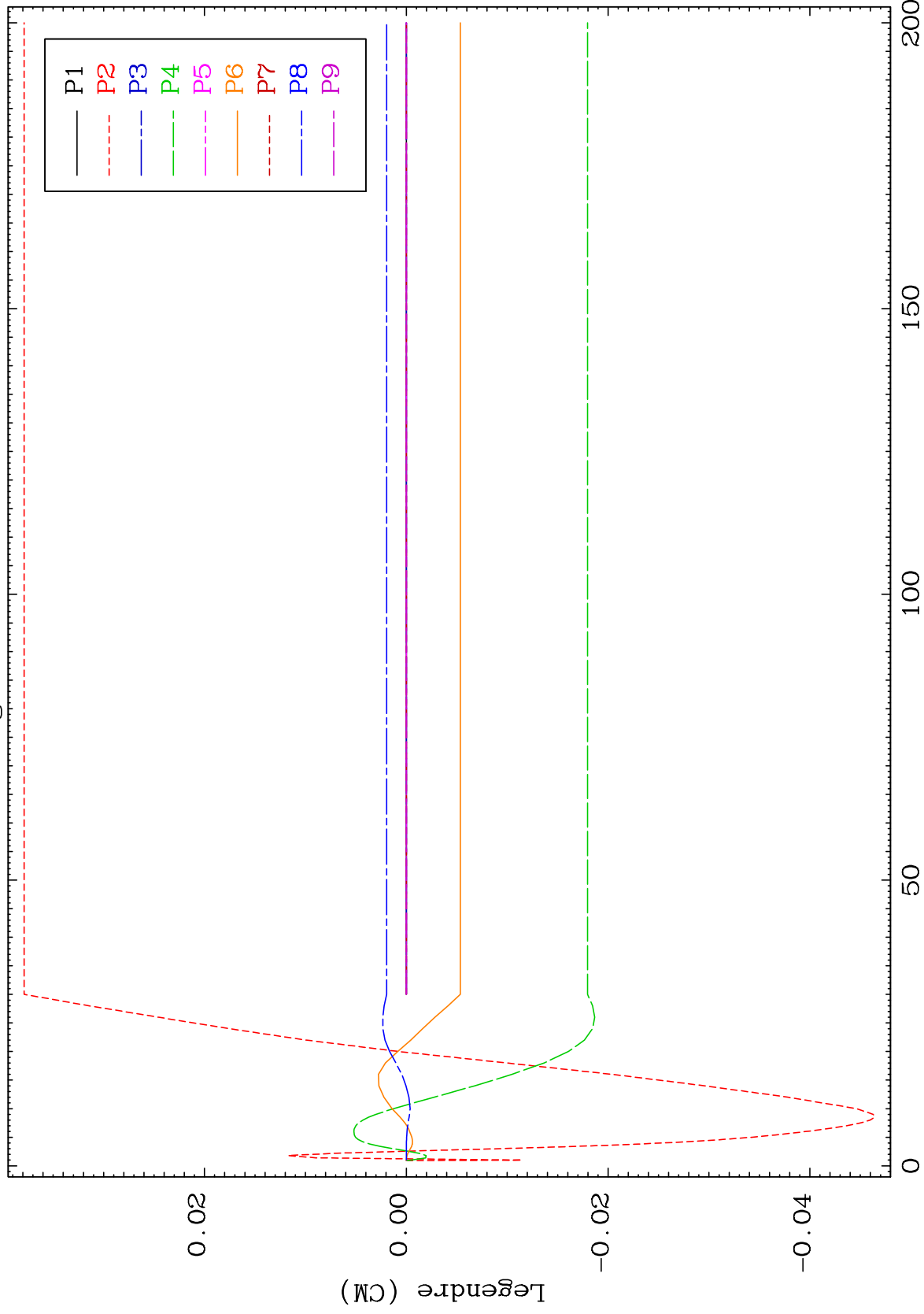
93



MAT 5428

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

54-Xe-125



54-Xe-125

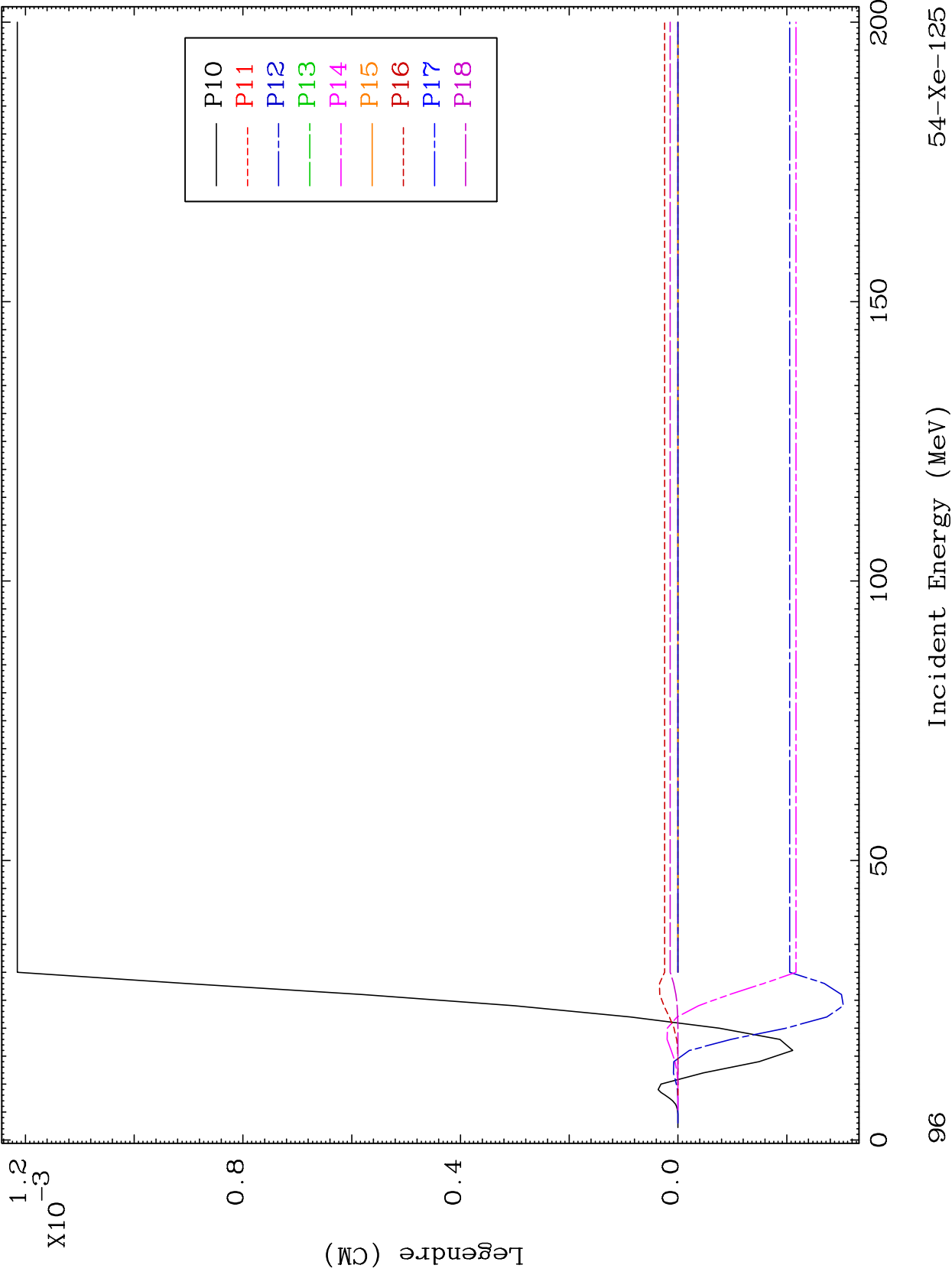
Incident Energy (MeV)

95

MAT 5428

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

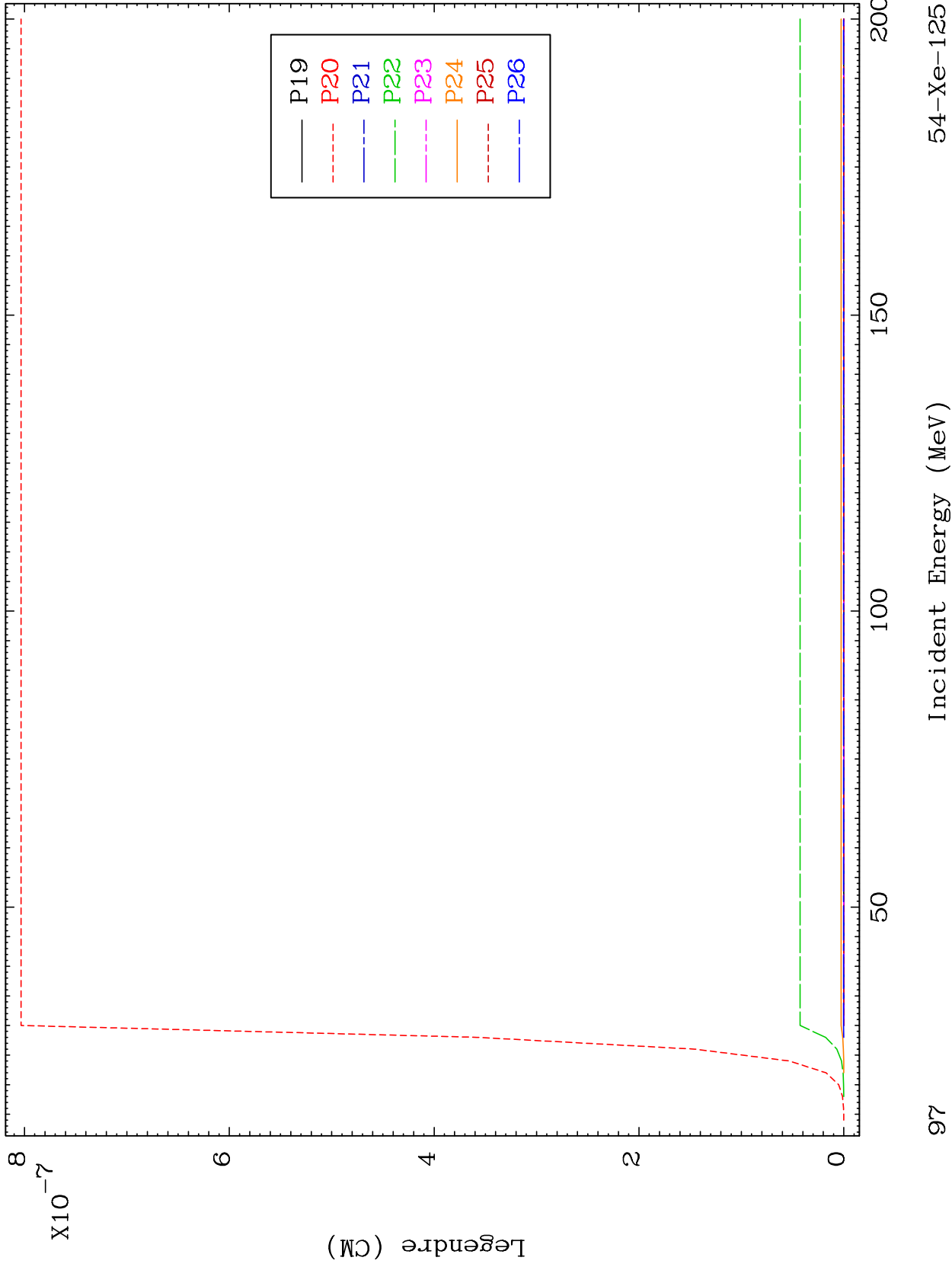
54-Xe-125



MAT 5428

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

54-Xe-125



97

Incident Energy (MeV)

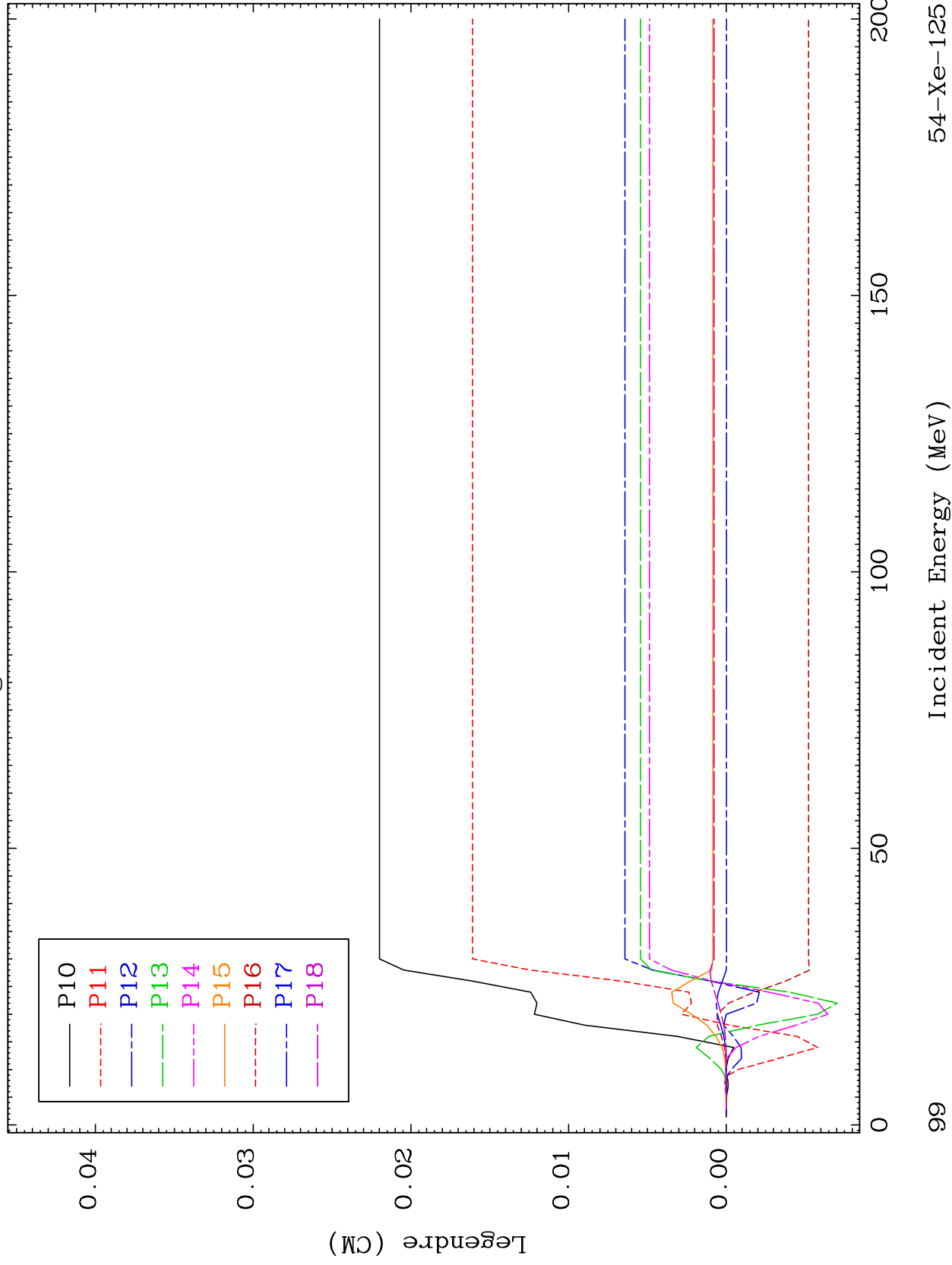
54-Xe-125



MAT 5428

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

54-Xe-125



54-Xe-125

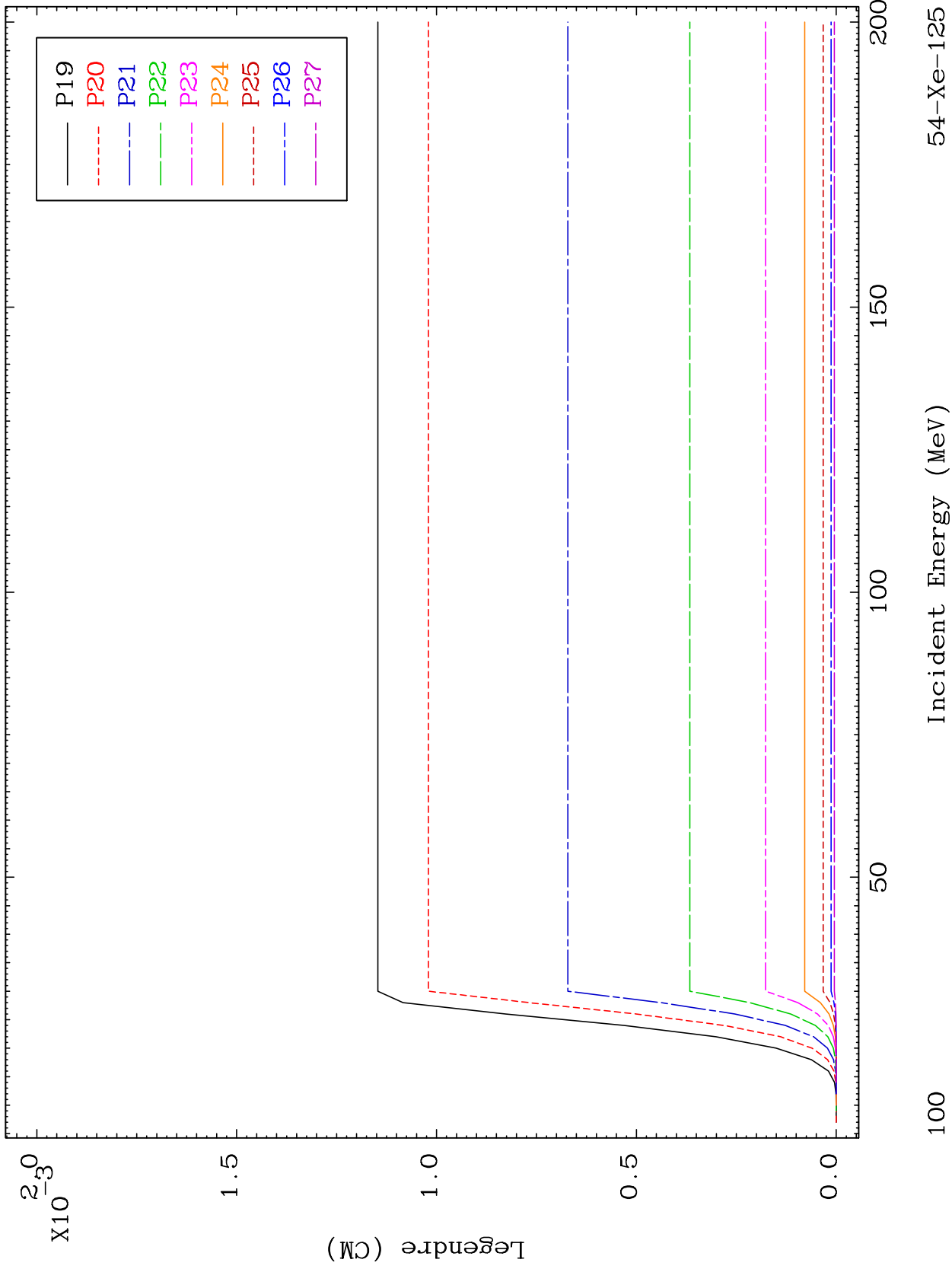
Incident Energy (MeV)

99

MAT 5428

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

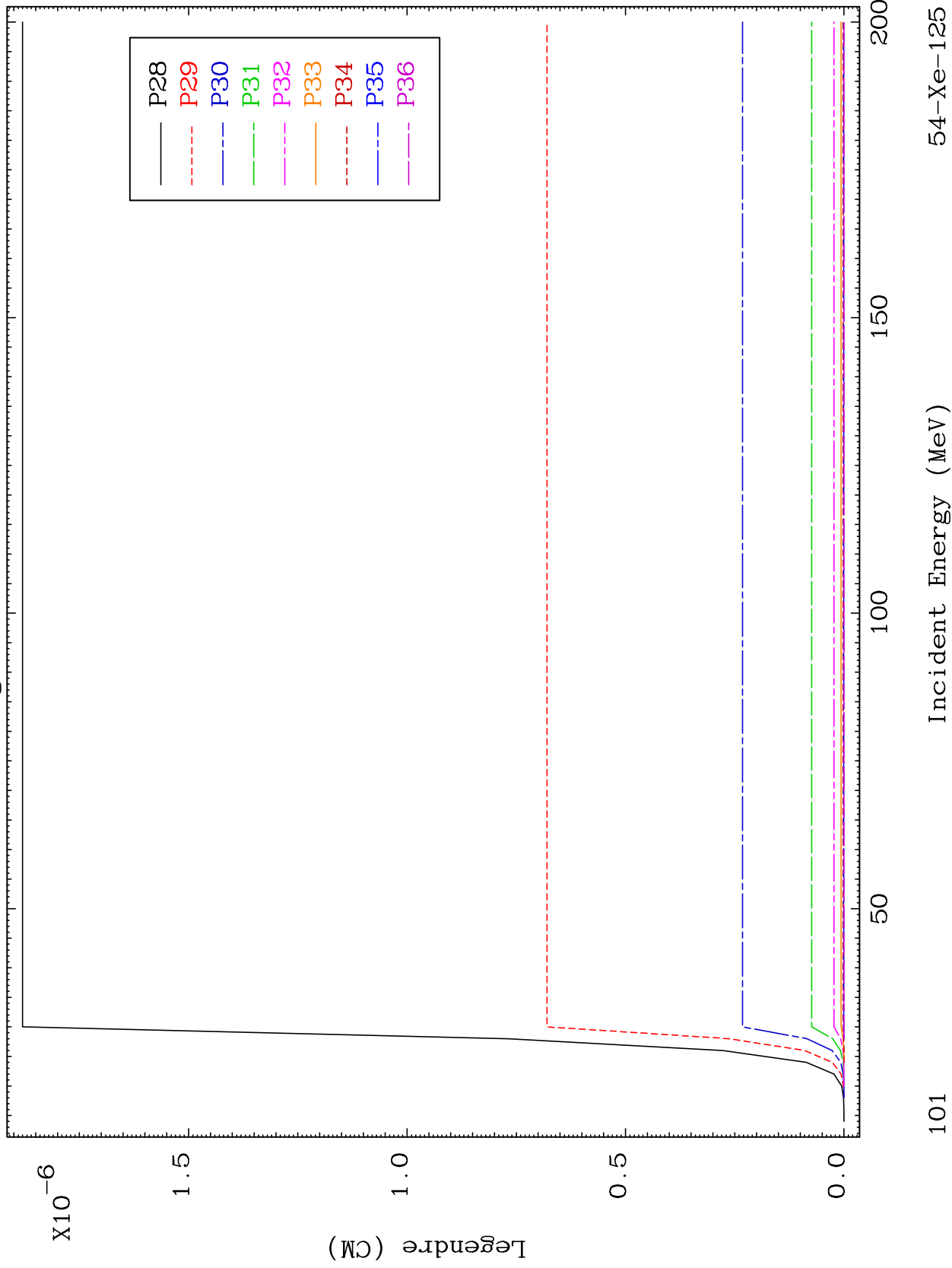
54-Xe-125



MAT 5428

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

54-Xe-125

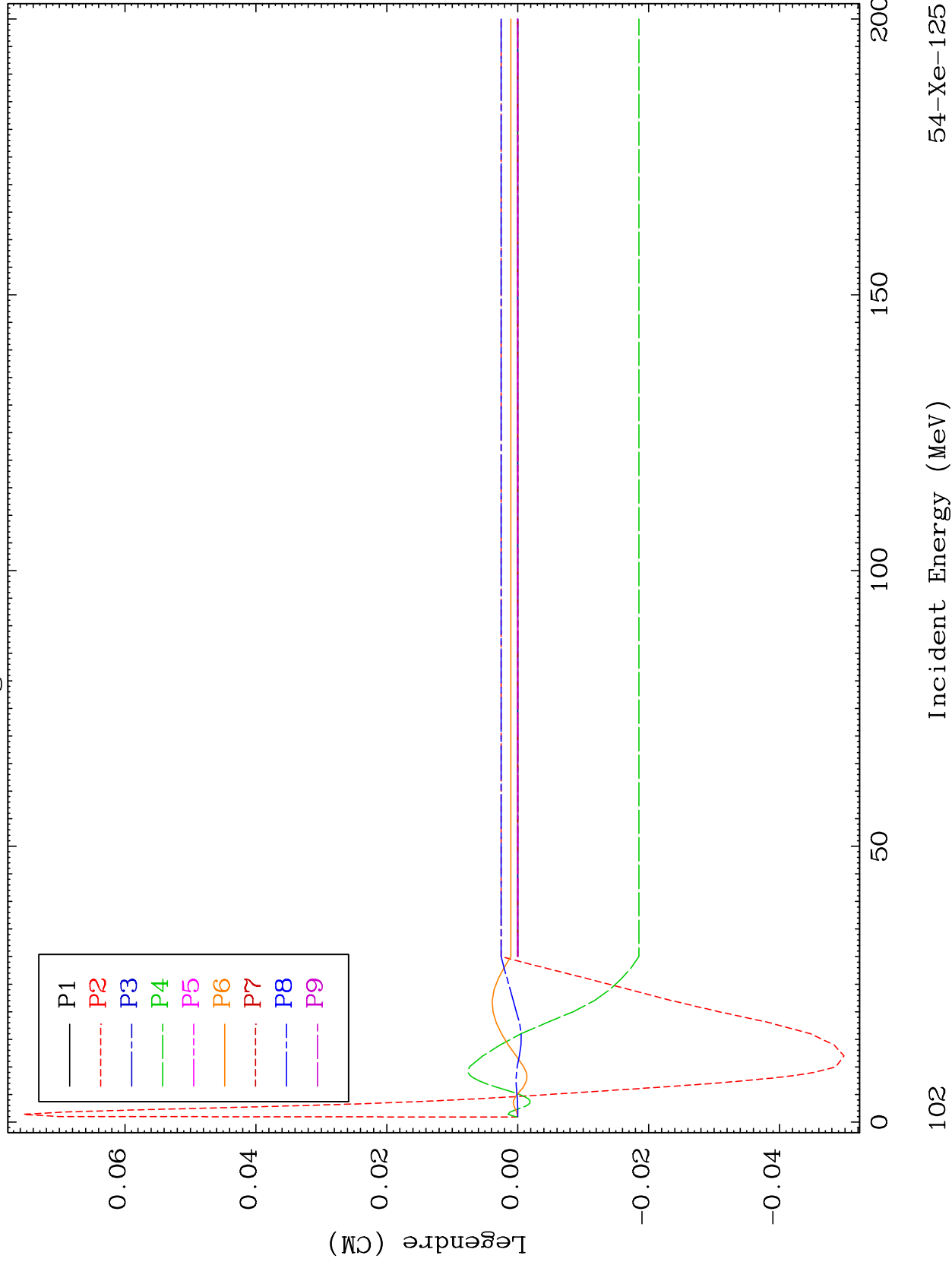


101

MAT 5428

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

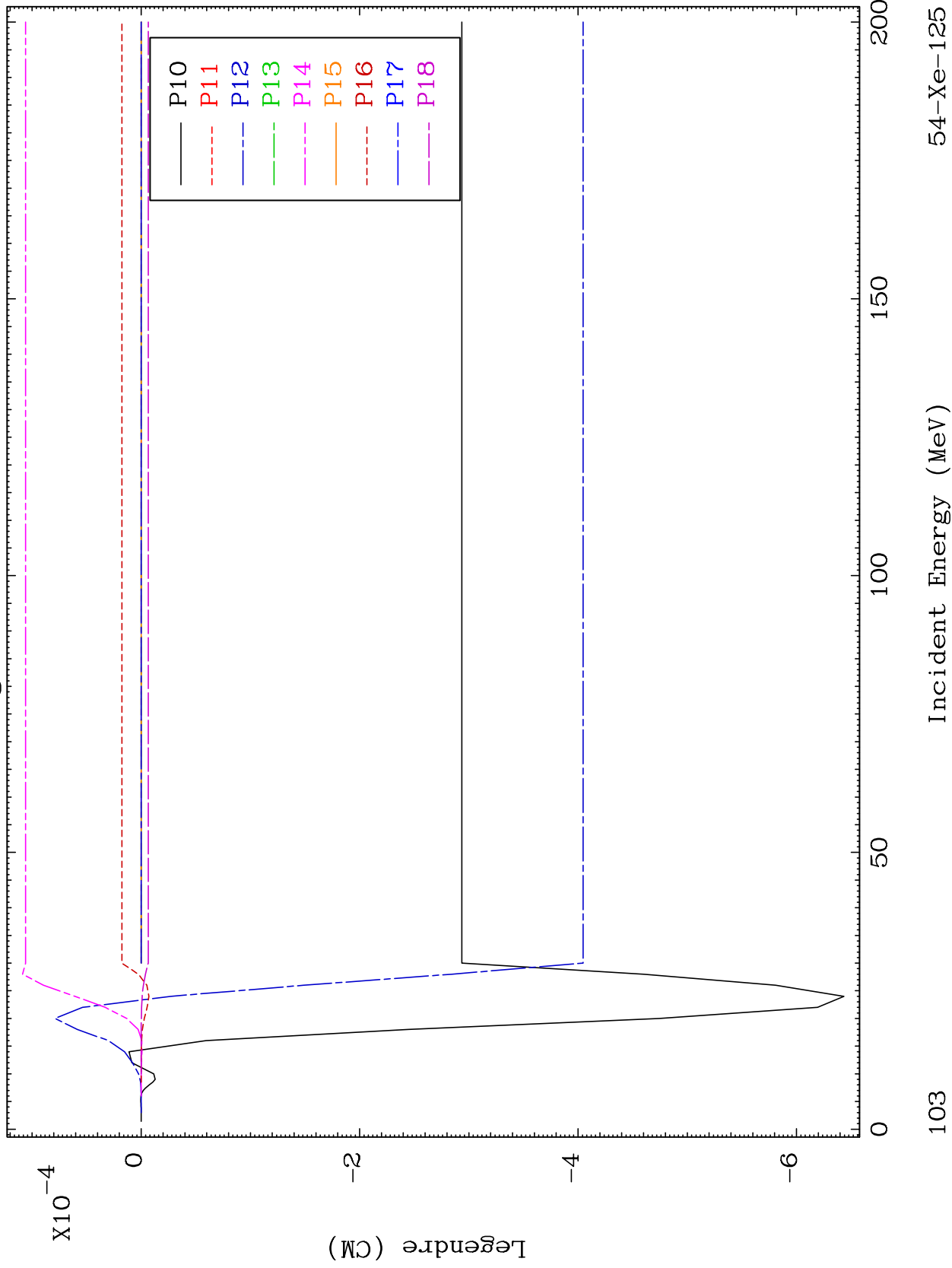
54-Xe-125



MAT 5428

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

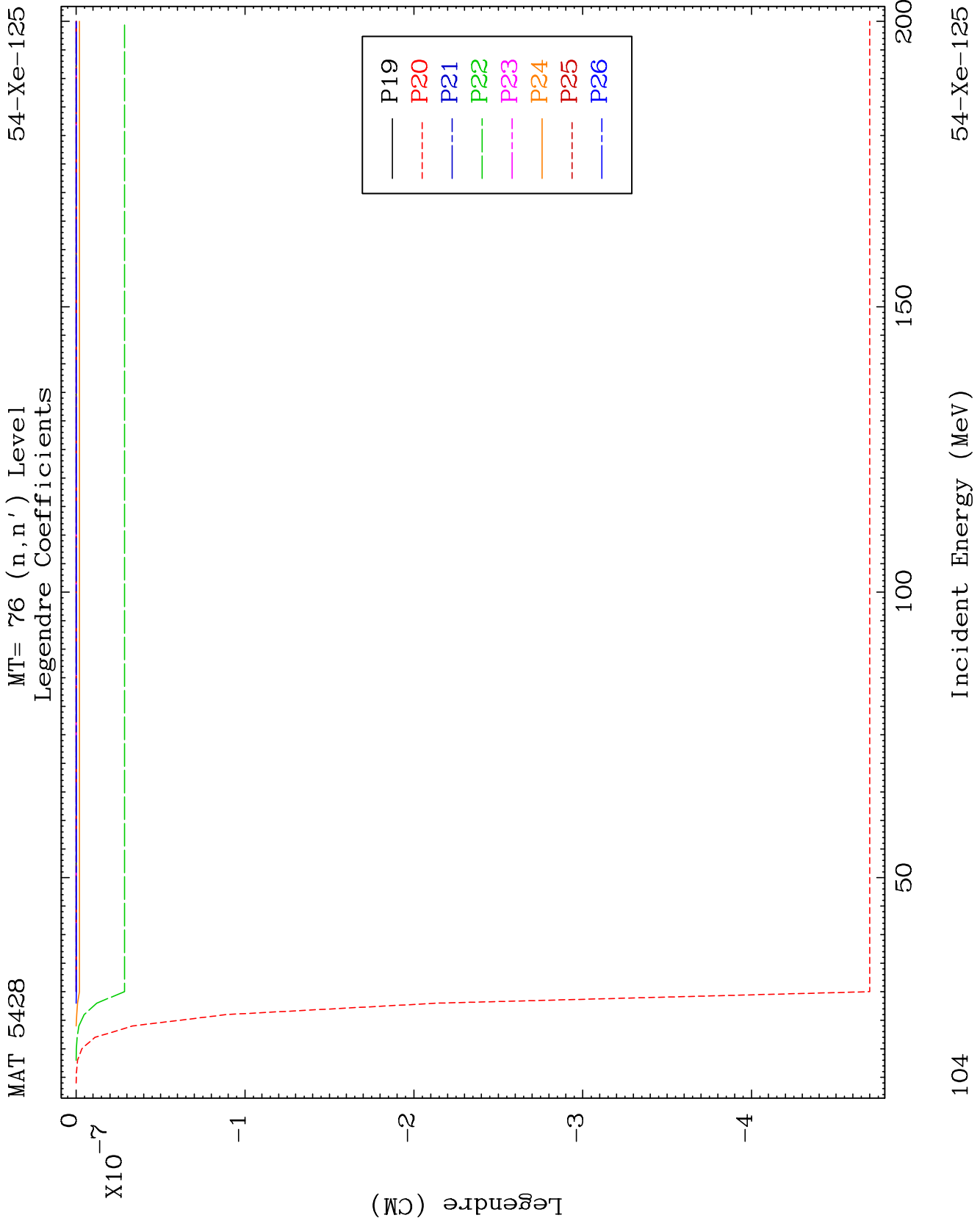
54-Xe-125



103

Incident Energy (MeV)

54-Xe-125

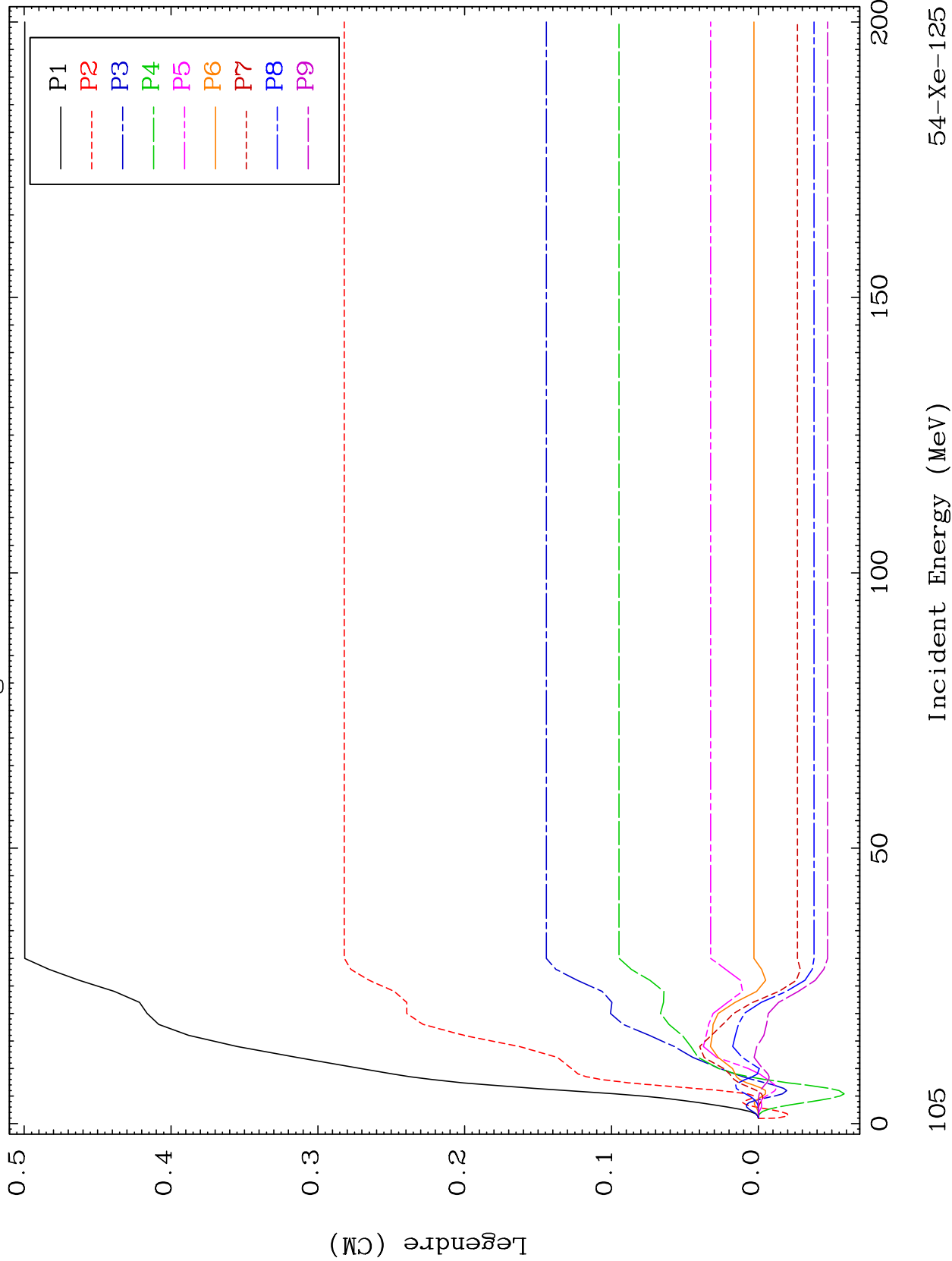


MAT 5428

MT= 77 (n,n') Level

54-Xe-125

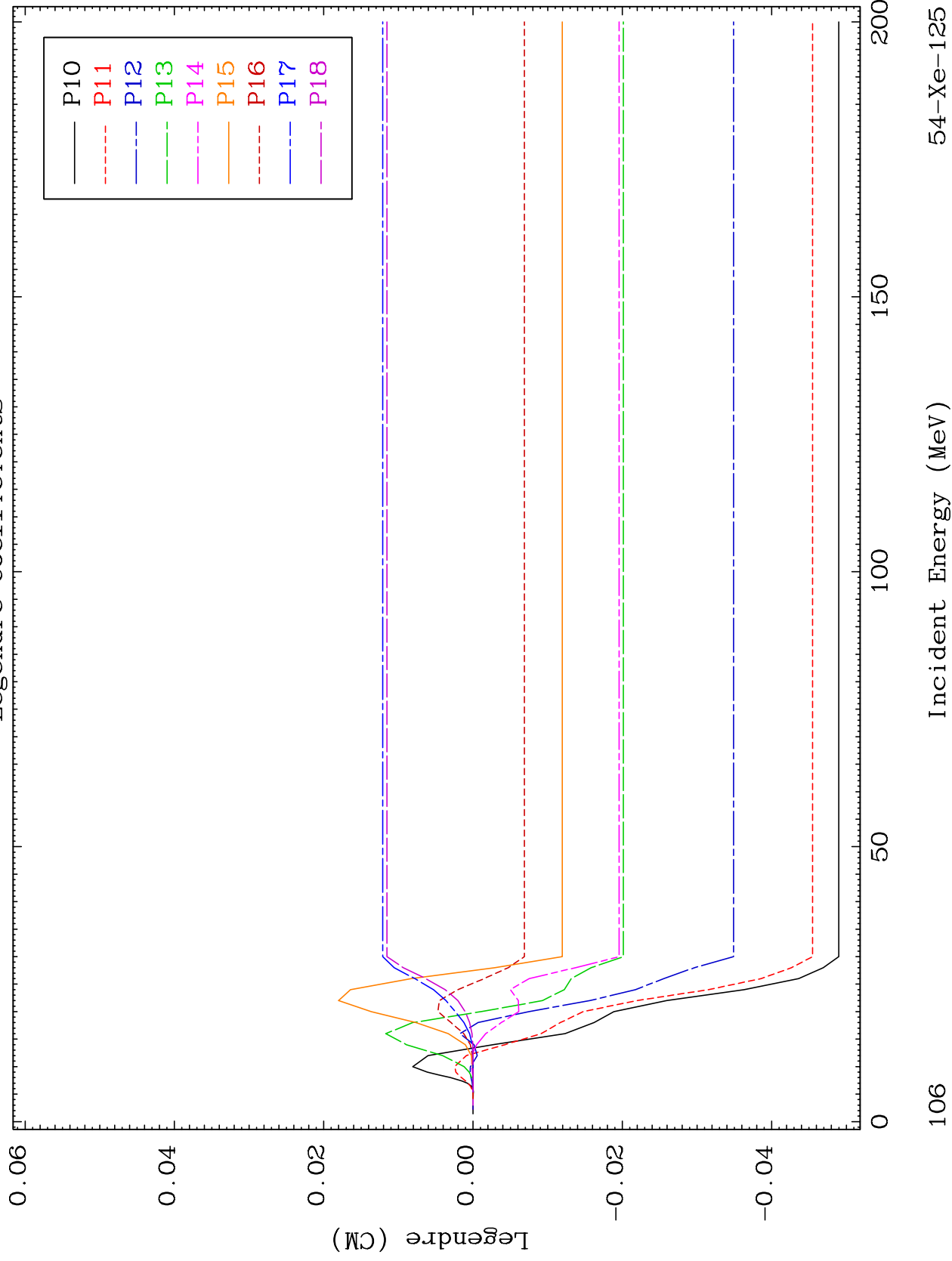
Legendre Coefficients



MAT 5428

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

54-Xe-125



54-Xe-125

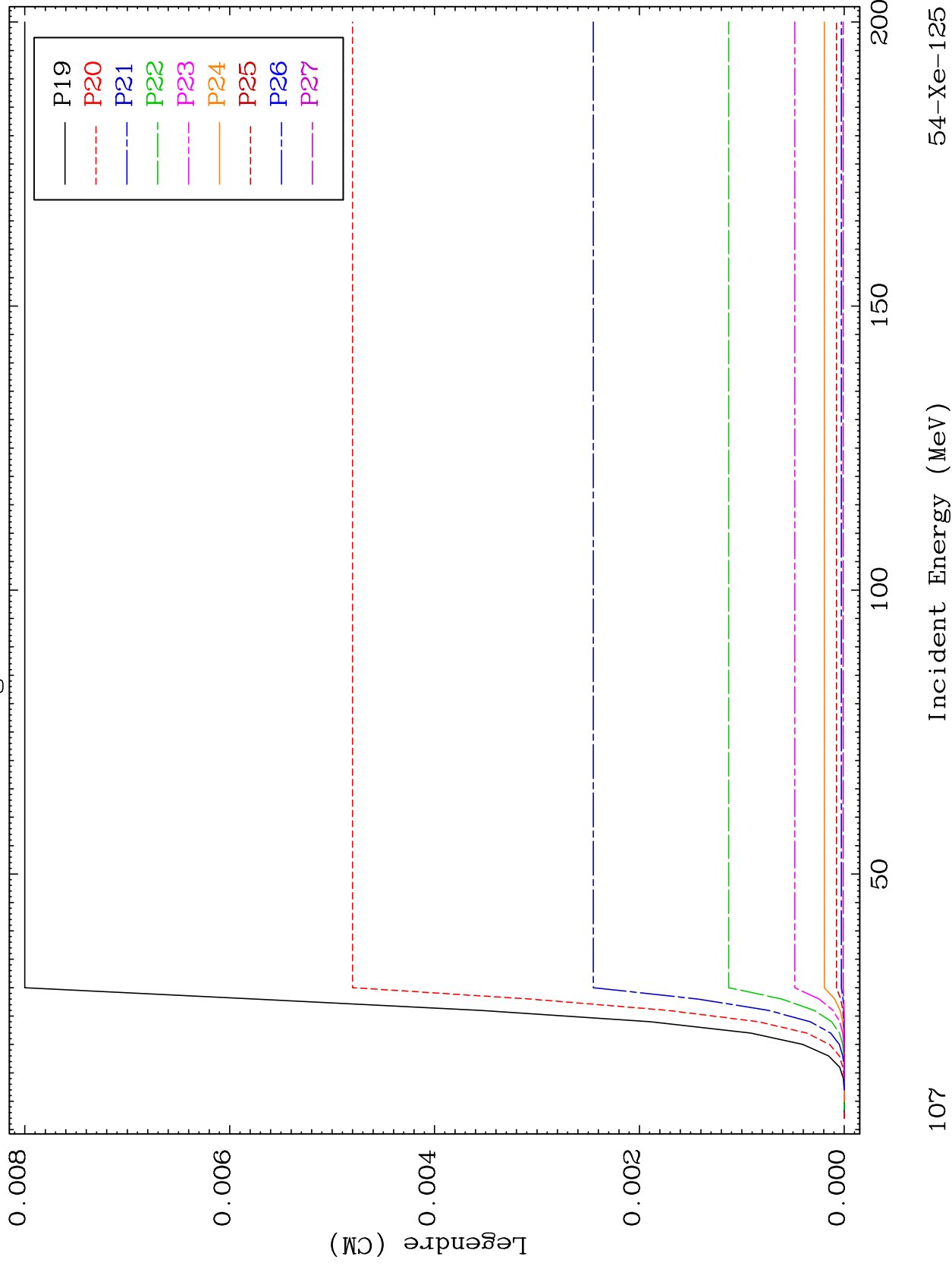
Incident Energy (MeV)

106

MAT 5428

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

54-Xe-125



107

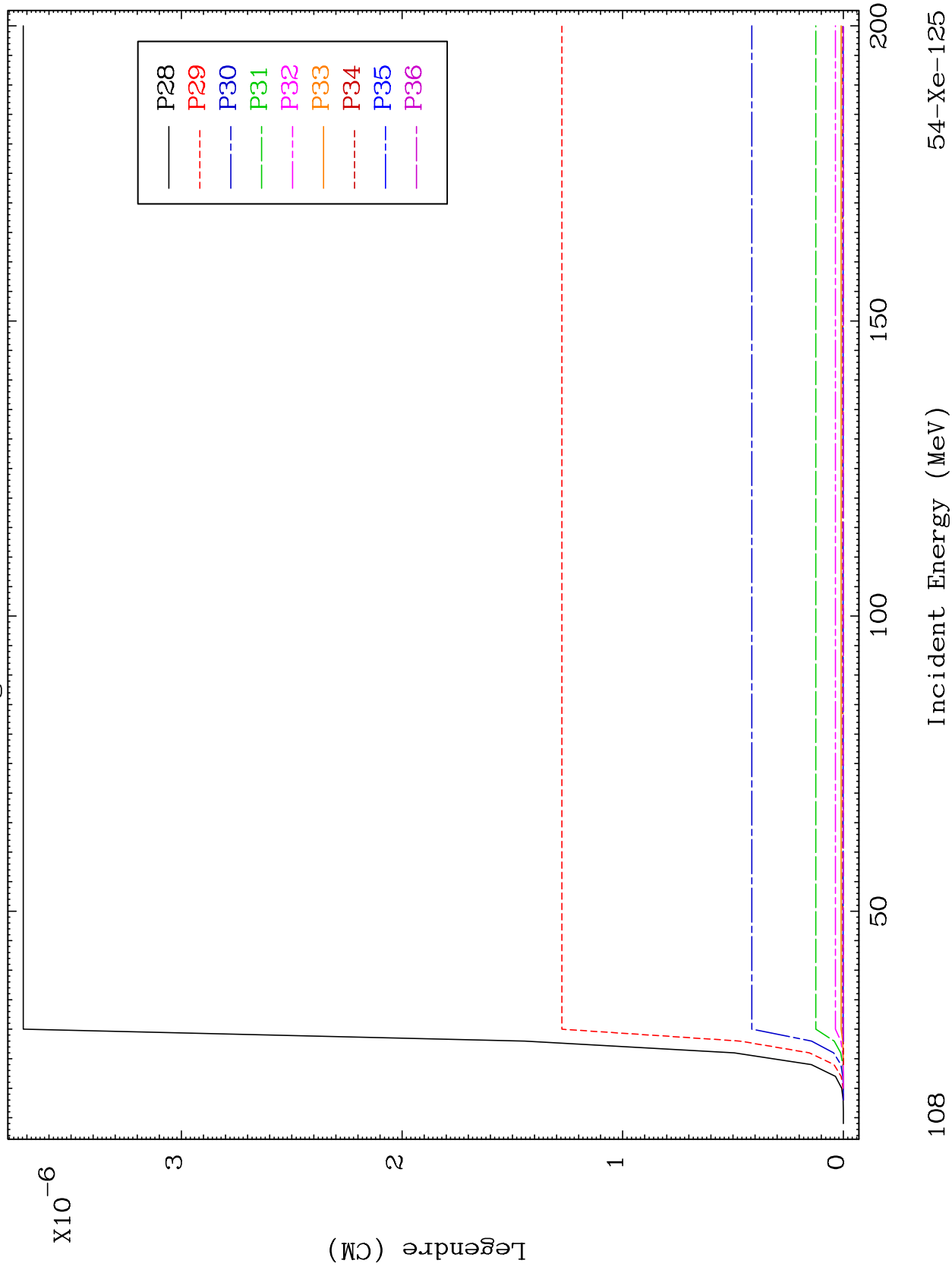
Incident Energy (MeV)

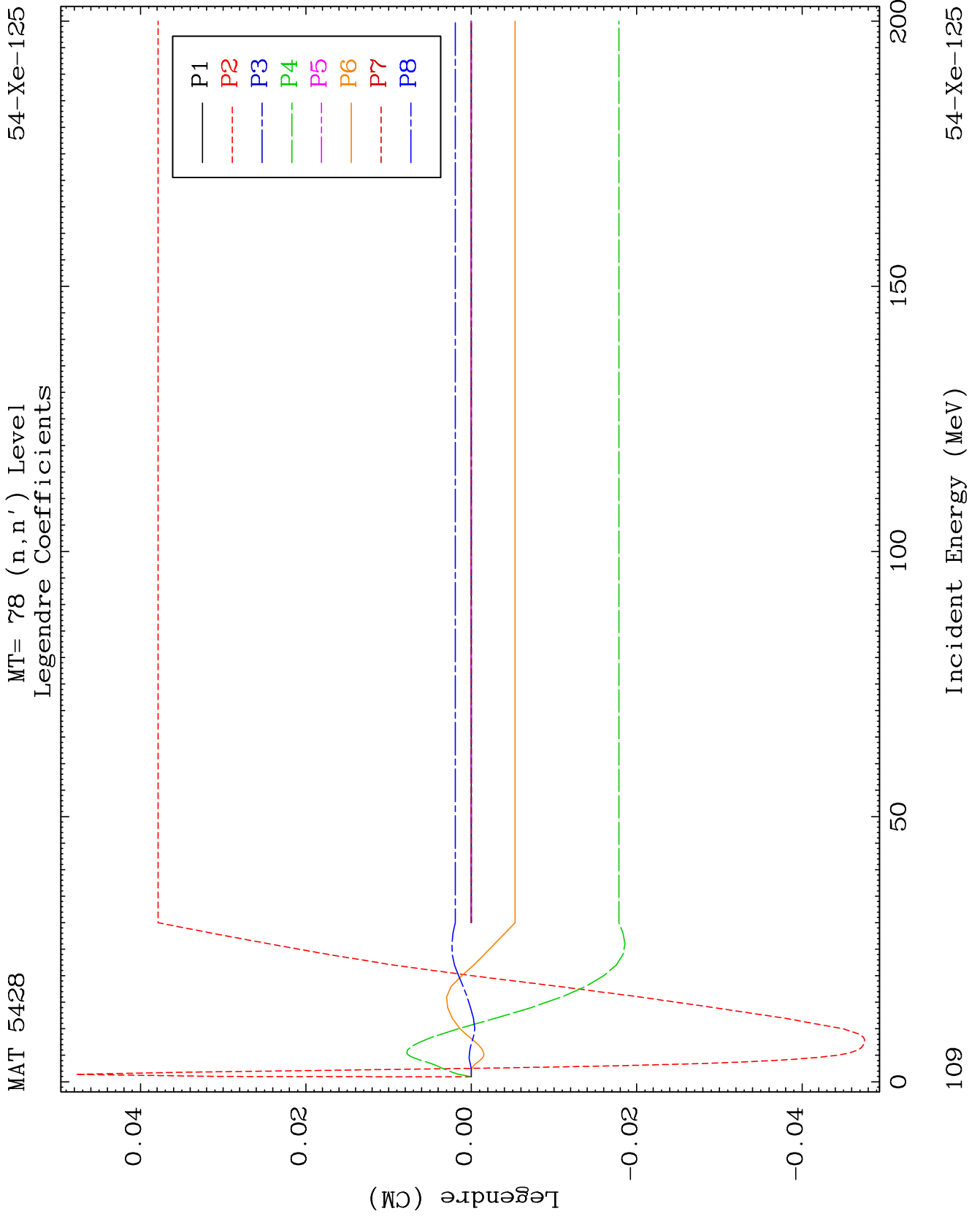
54-Xe-125

MAT 5428

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

54-Xe-125



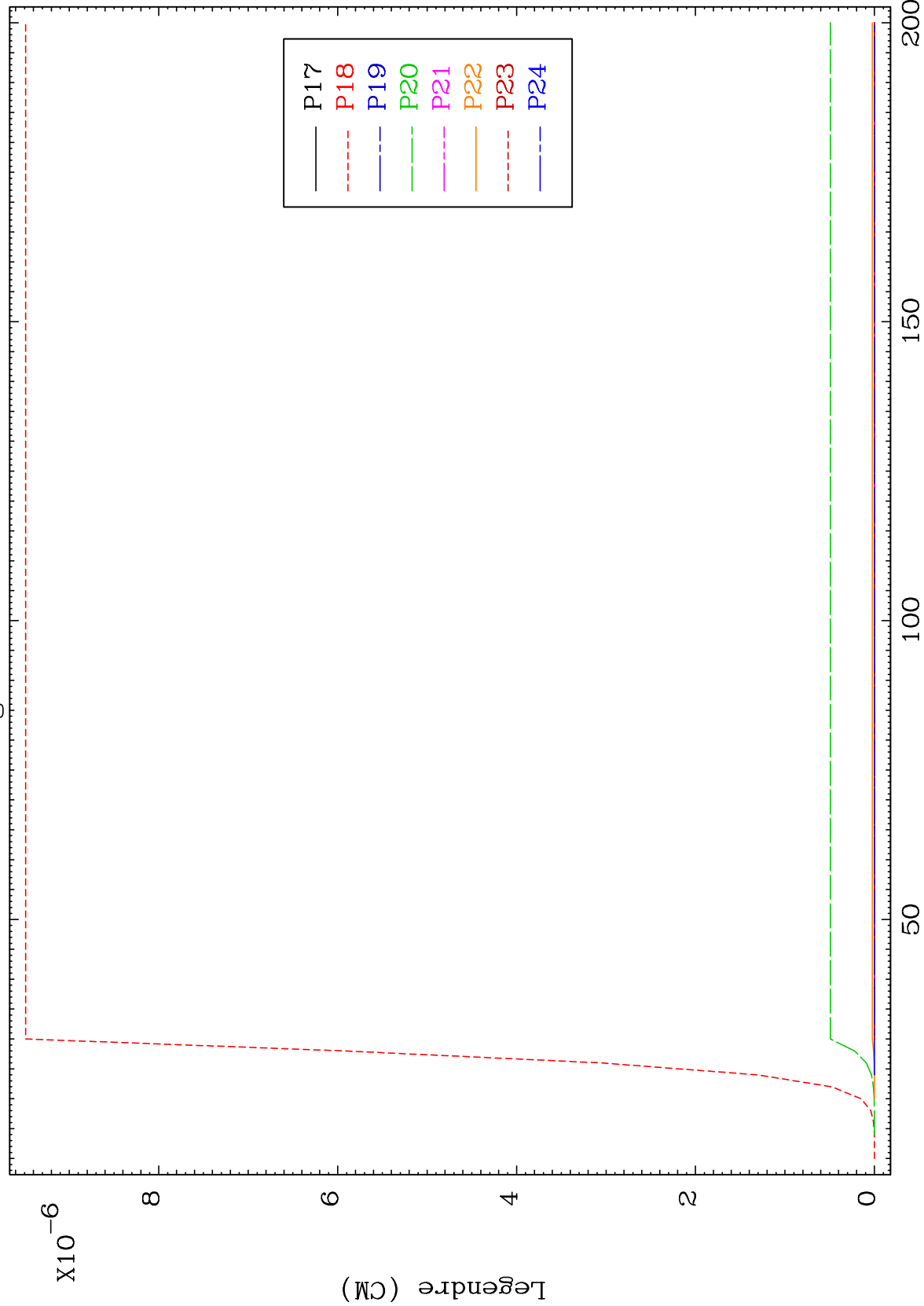




MAT 5428

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

54-Xe-125



111

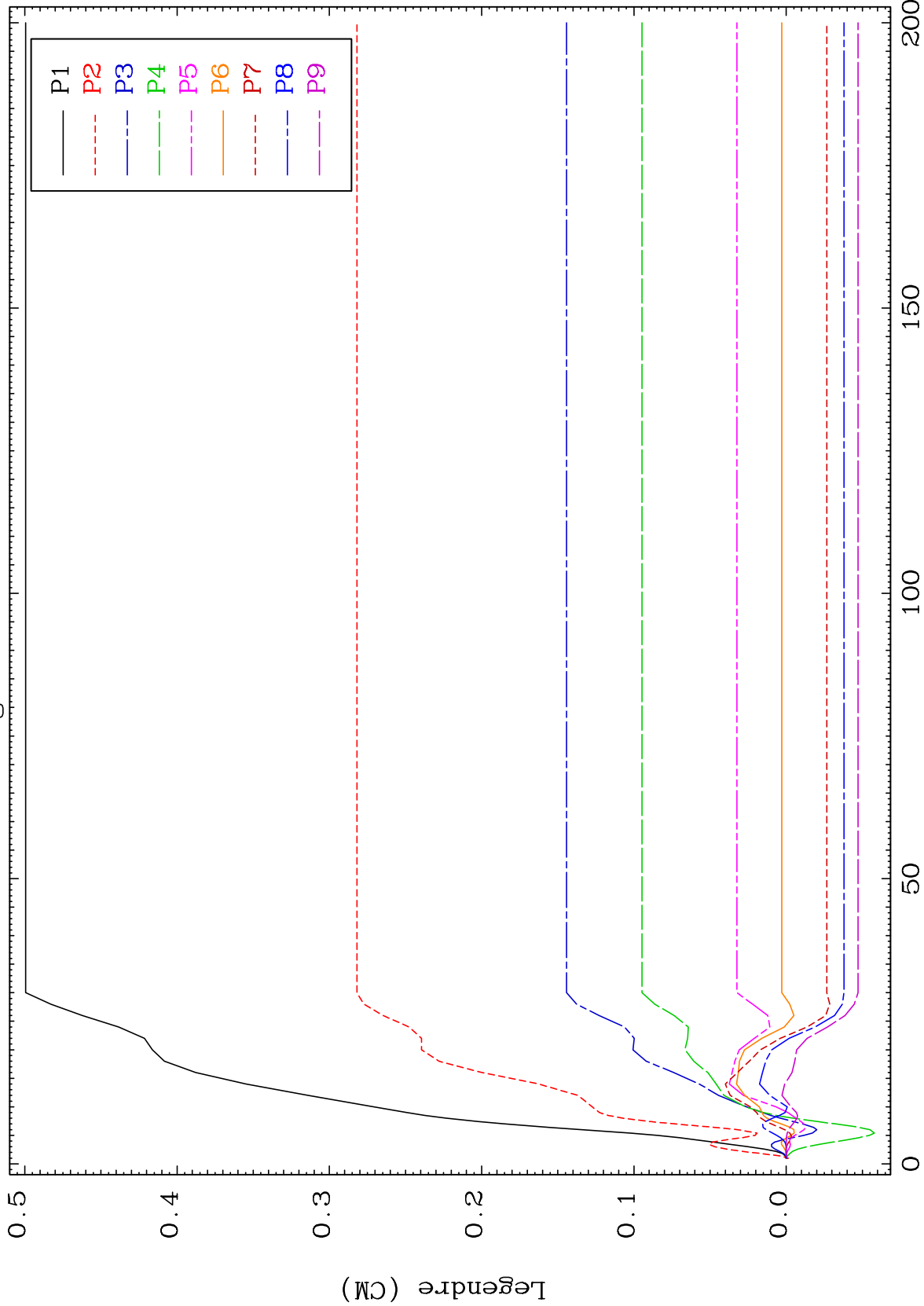
54-Xe-125

MAT 5428

MT= 79 (n,n') Level

54-Xe-125

Legendre Coefficients



54-Xe-125

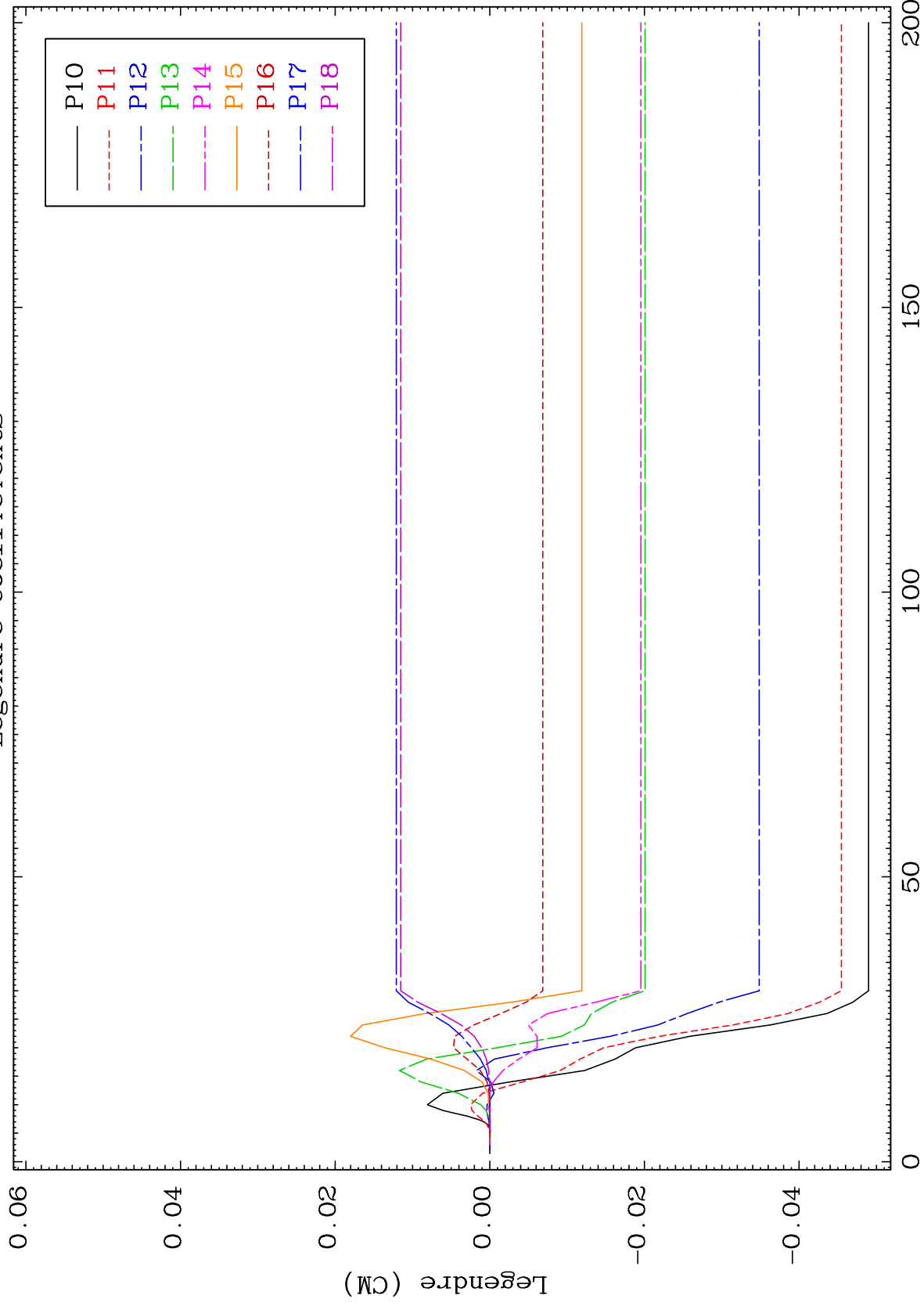
Incident Energy (MeV)

112

MAT 5428

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

54-Xe-125



113

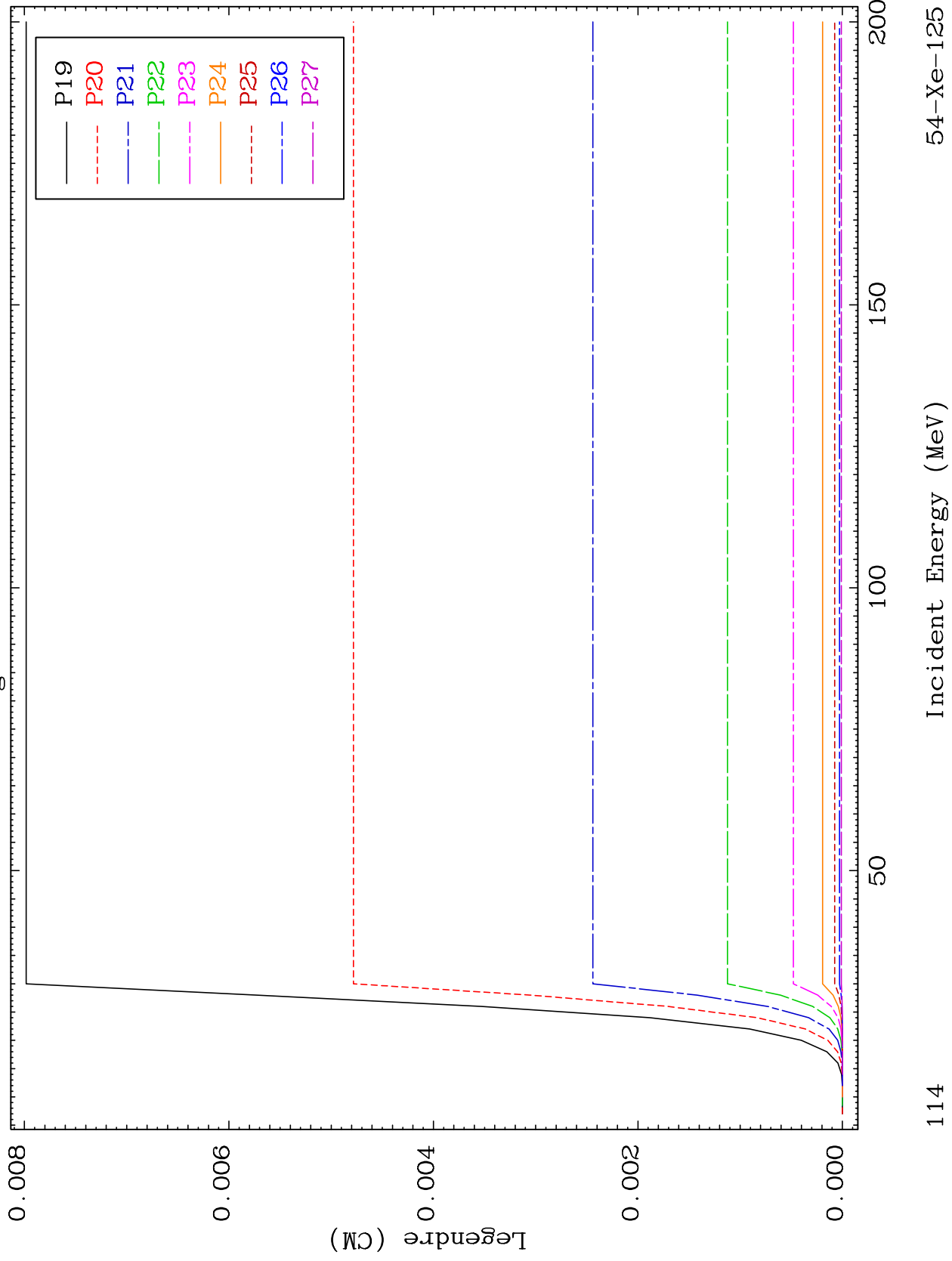
Incident Energy (MeV)

54-Xe-125

MAT 5428

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

54-Xe-125



114

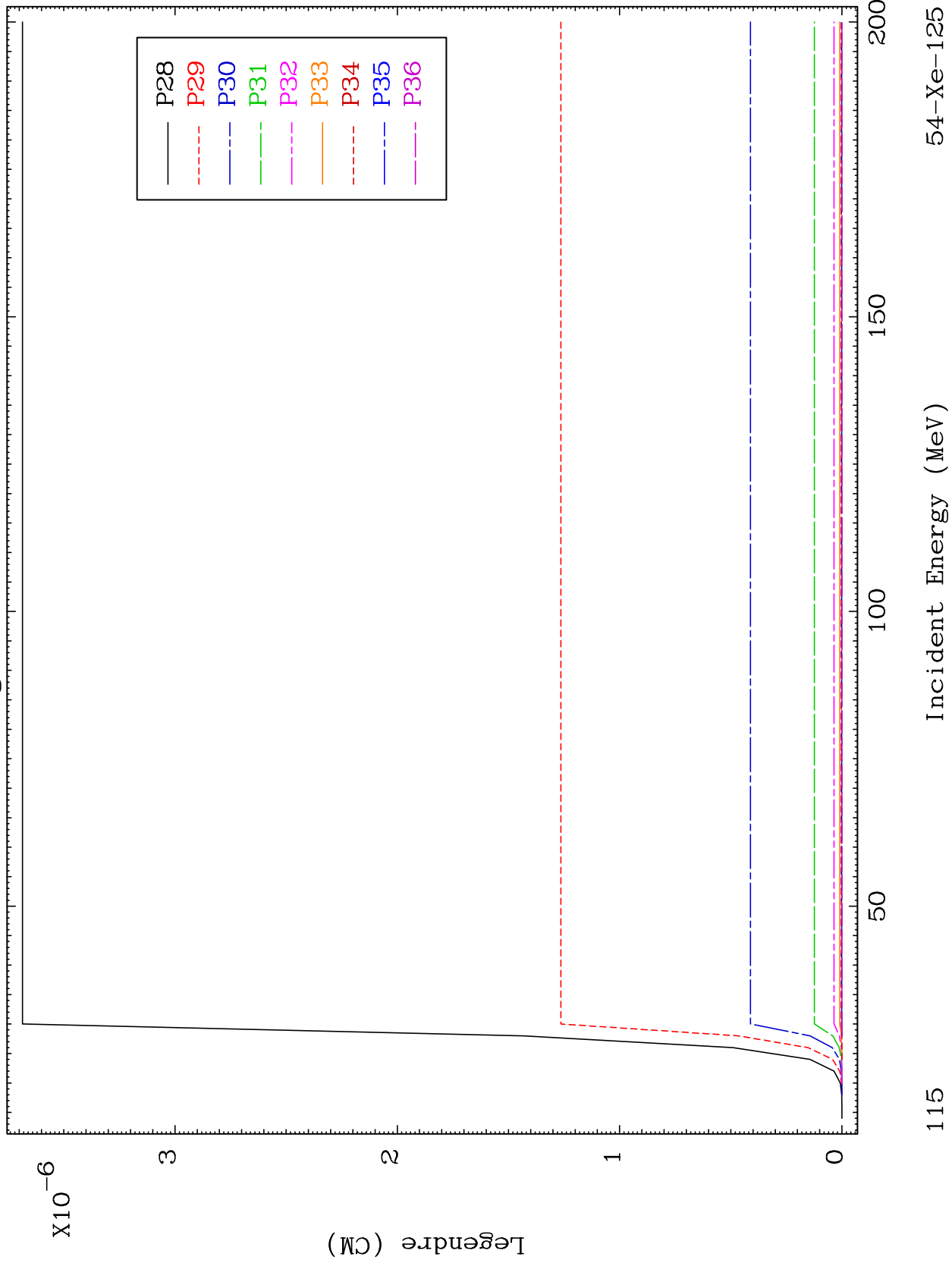
Incident Energy (MeV)

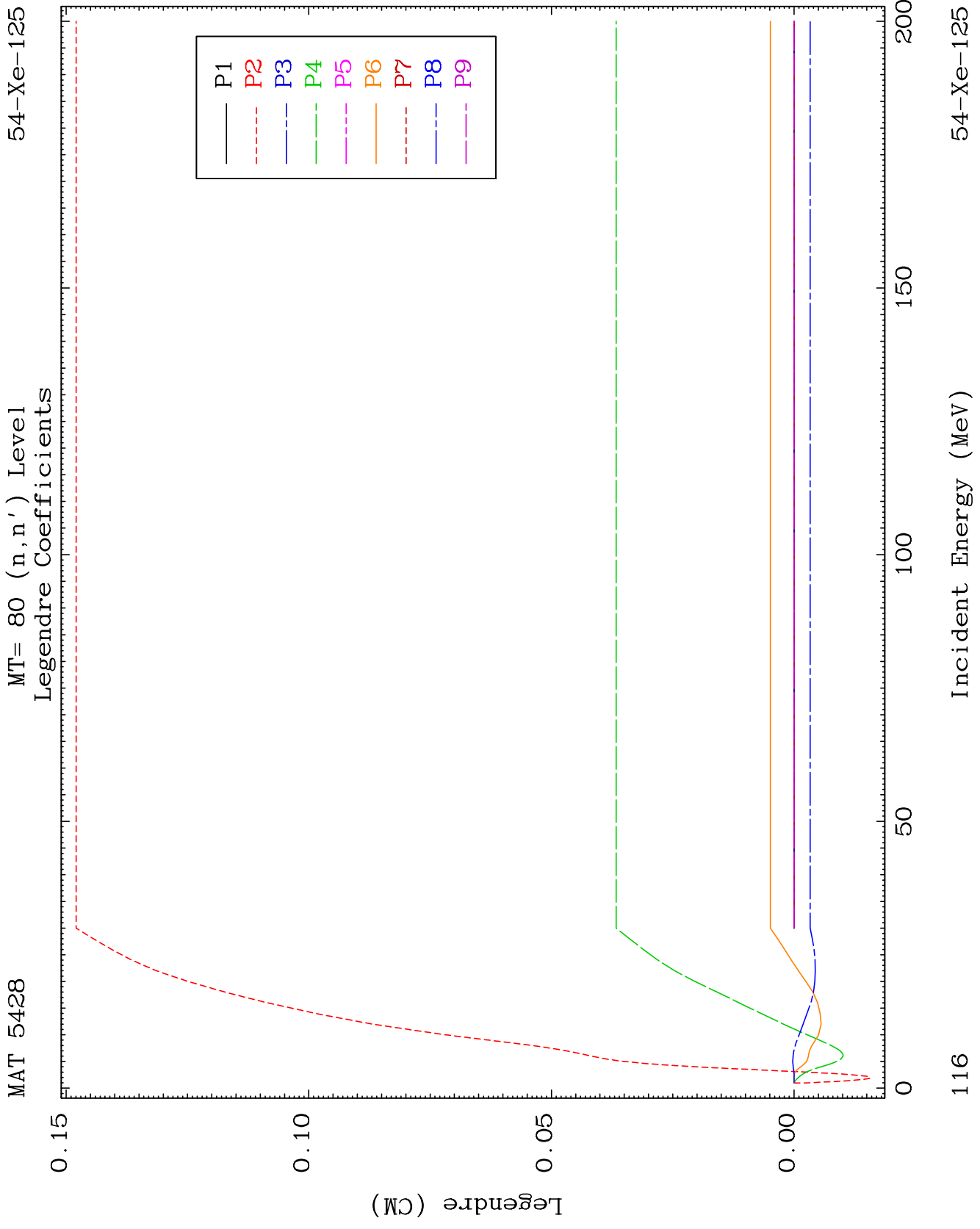
54-Xe-125

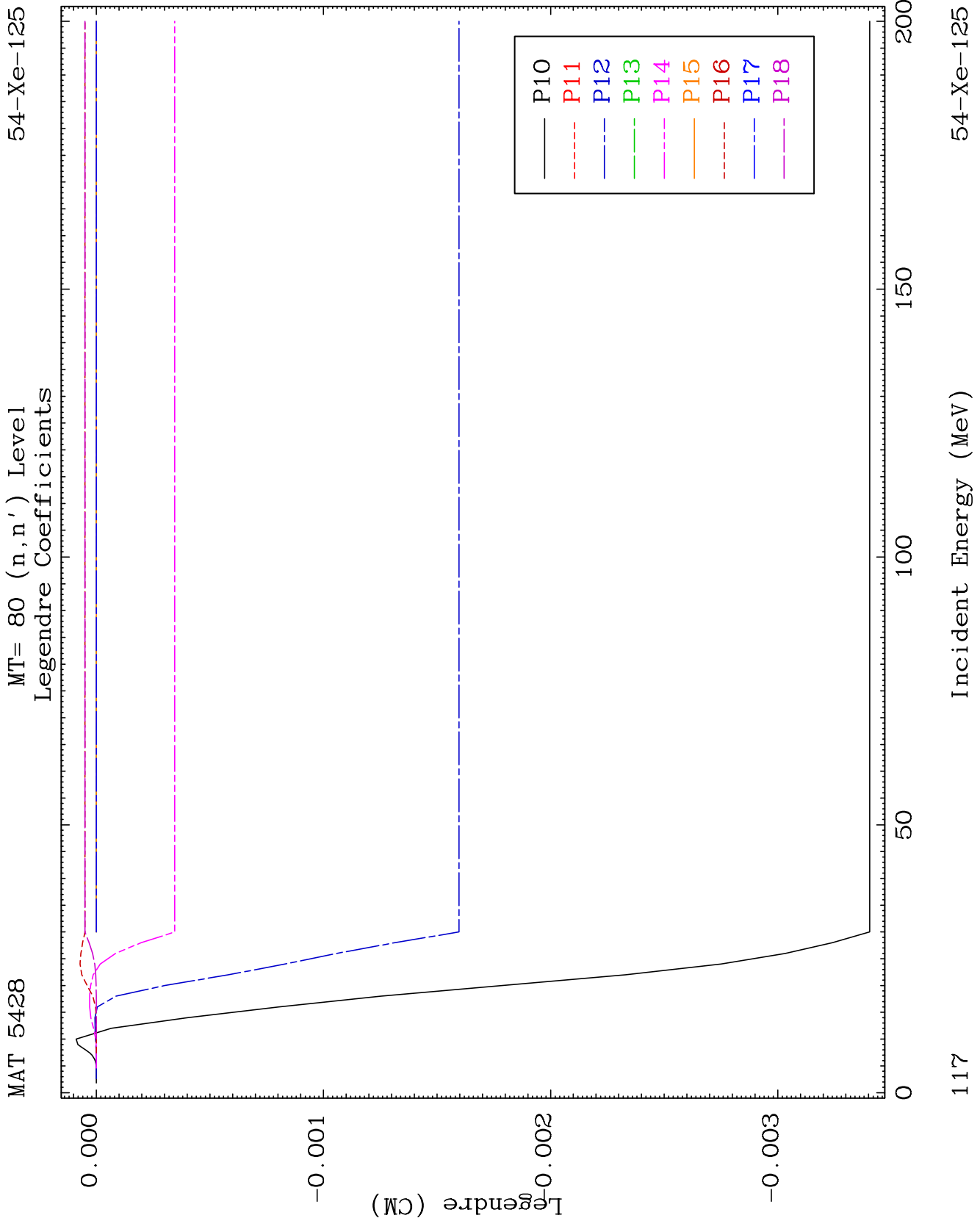
MAT 5428

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

54-Xe-125





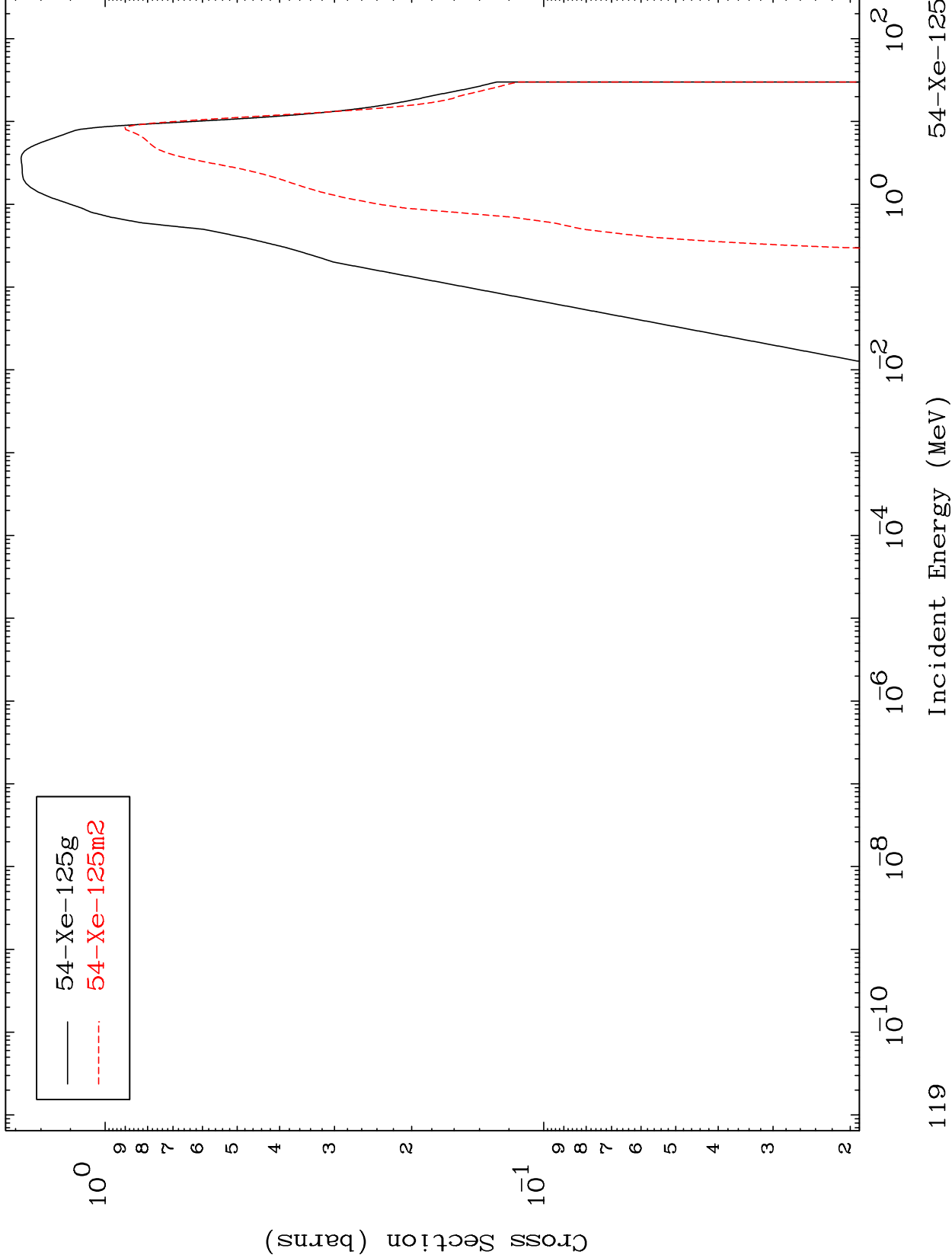




MAT 5428

Radionuclide Production Cross Section

54-Xe-125

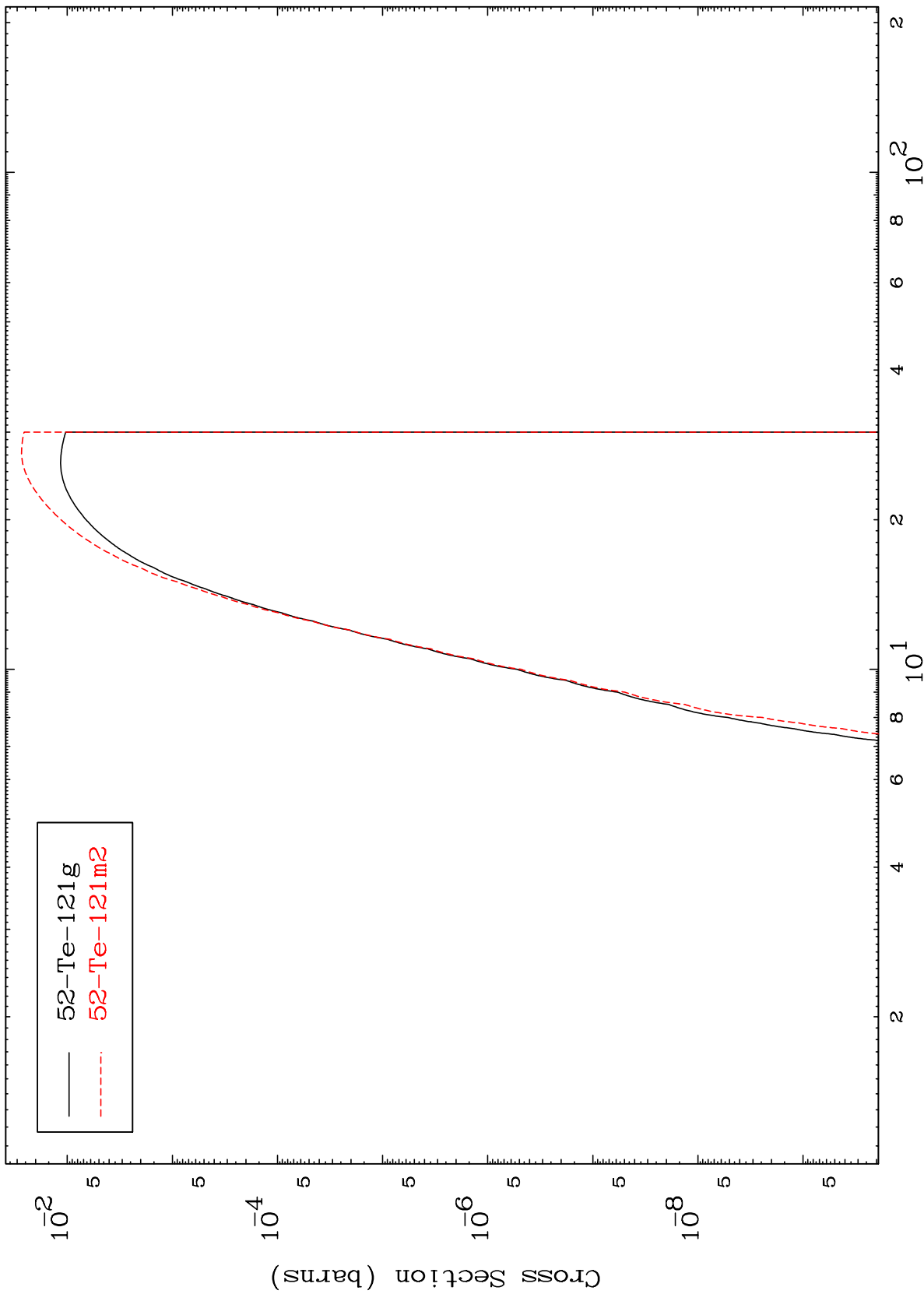


MAT 5428

(n,n')  $\alpha$

54-Xe-125

Radionuclide Production Cross Section



120

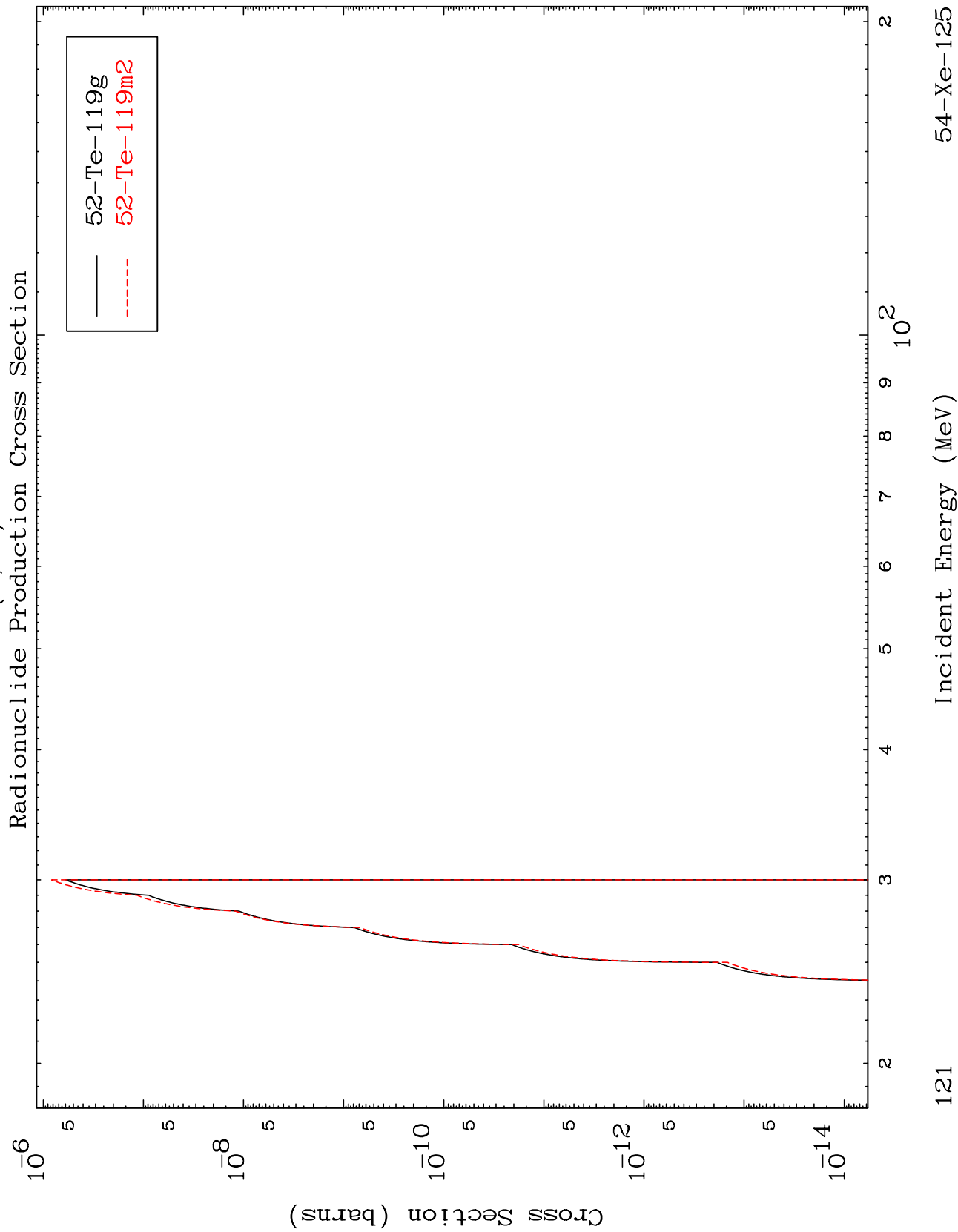
Incident Energy (MeV)

54-Xe-125

MAT 5428

(n,3n)  $\alpha$

54-Xe-125



121

Incident Energy (MeV)

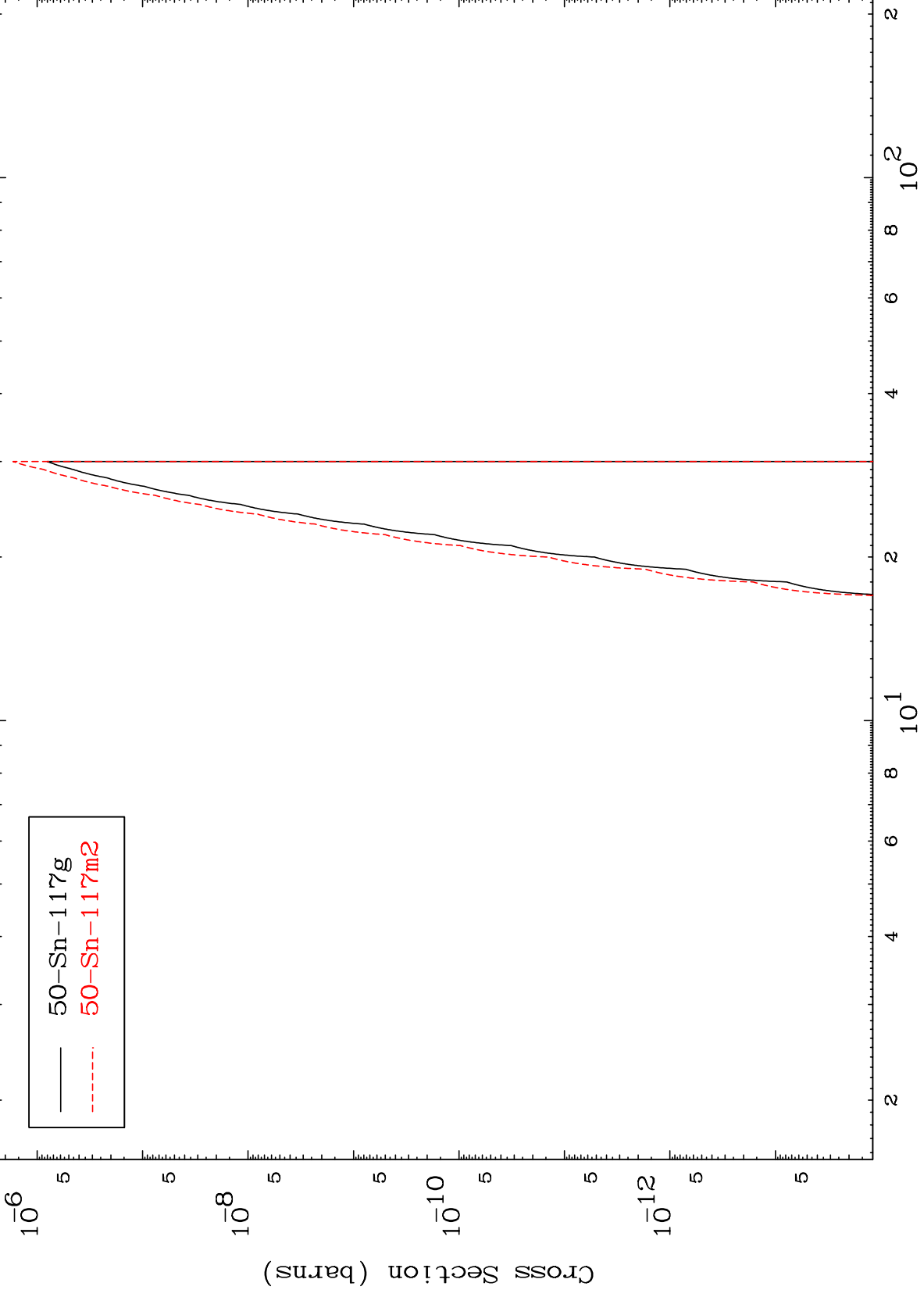
54-Xe-125

MAT 5428

(n,n') 2α

54-Xe-125

Radionuclide Production Cross Section



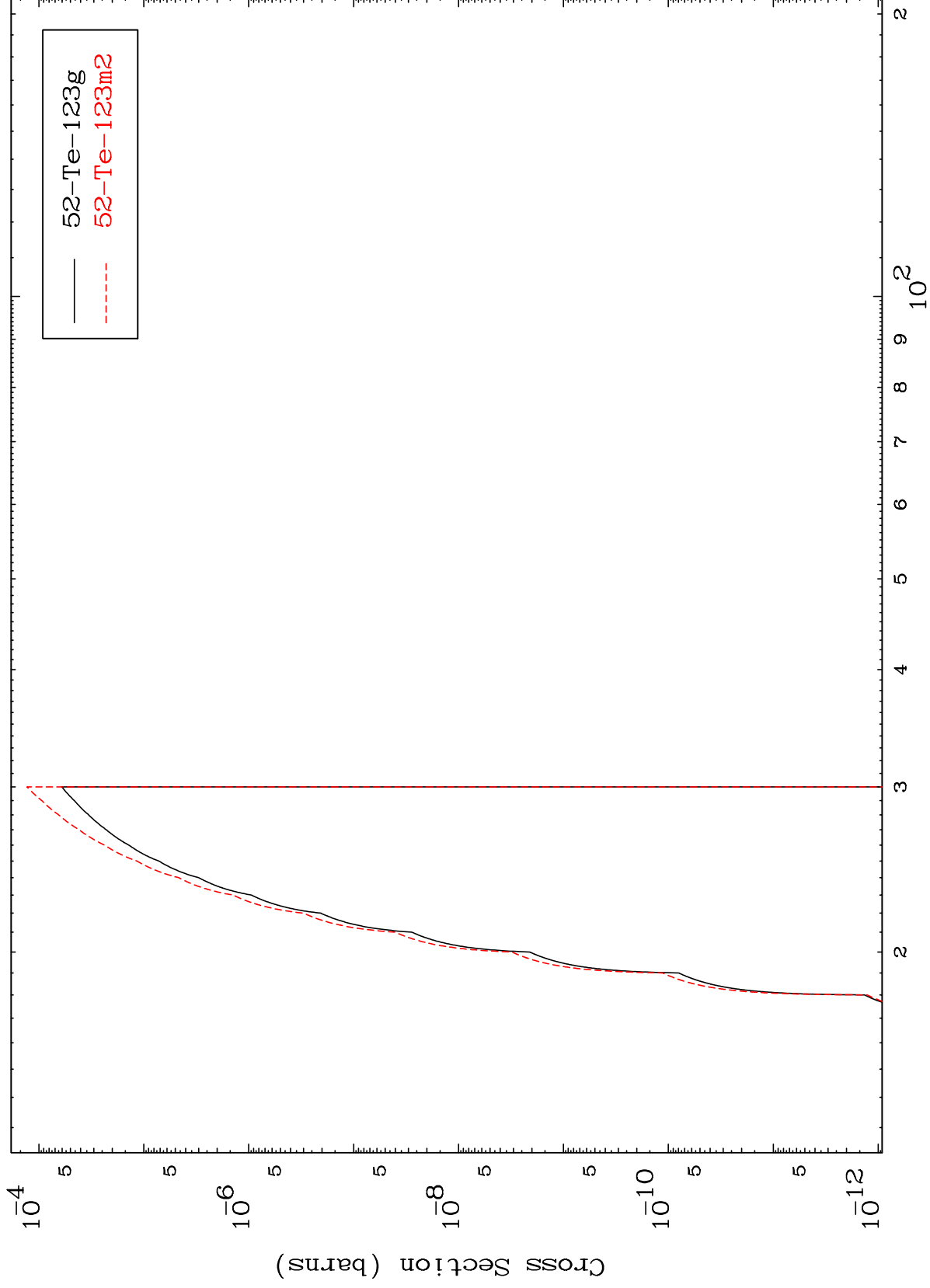
— 50-Sn-117g  
- - - 50-Sn-117m2

MAT 5428

(n,2n) p

54-Xe-125

Radionuclide Production Cross Section



123

Incident Energy (MeV)

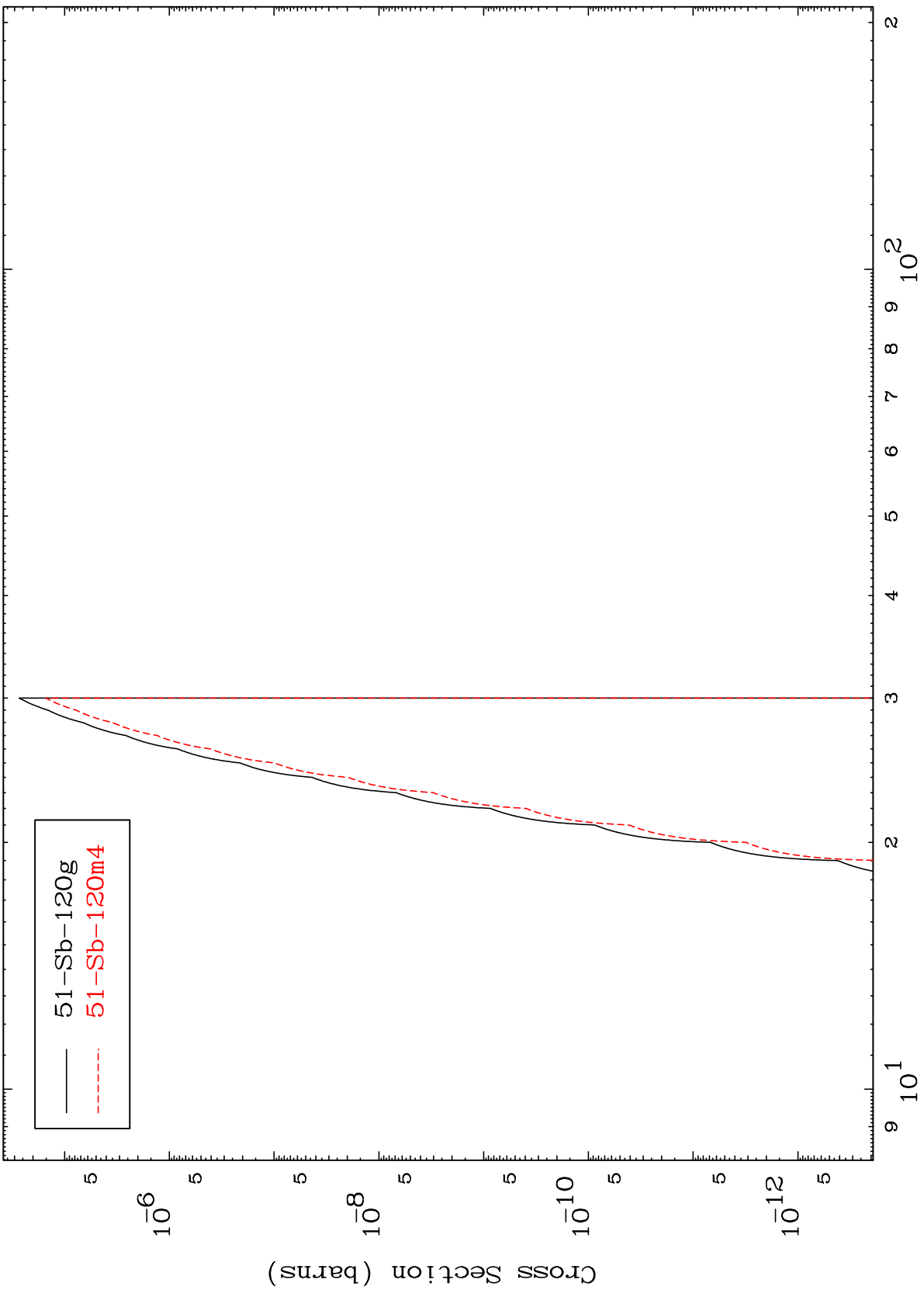
54-Xe-125

MAT 5428

(n,n') p  $\alpha$

54-Xe-125

Radionuclide Production Cross Section



51-Sb-120g  
51-Sb-120m4

124

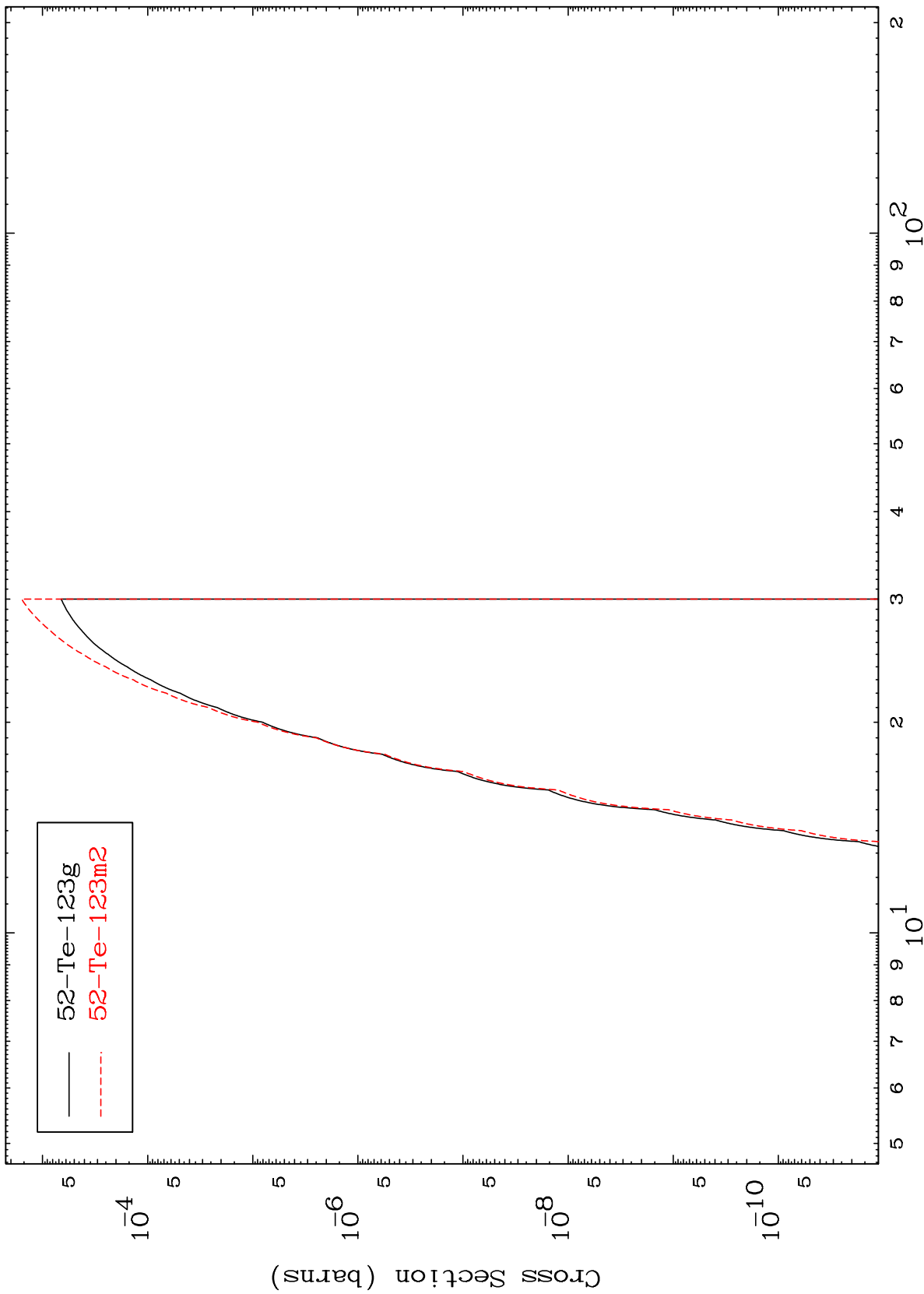
Incident Energy (MeV)

54-Xe-125

MAT 5428

54-Xe-125

(n,He-3)  
Radionuclide Production Cross Section

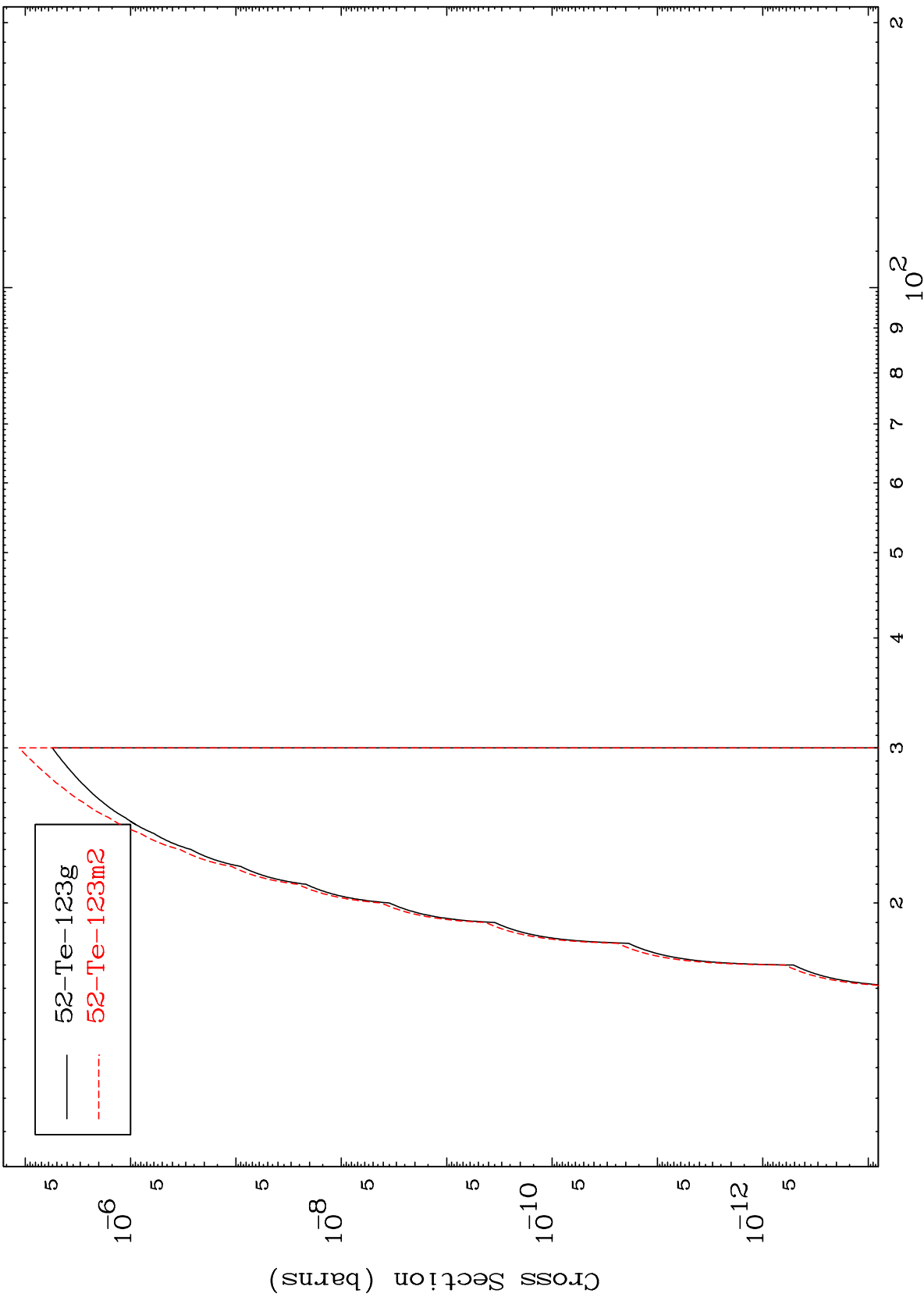


54-Xe-125

Incident Energy (MeV)

125

Radionuclide Production Cross Section

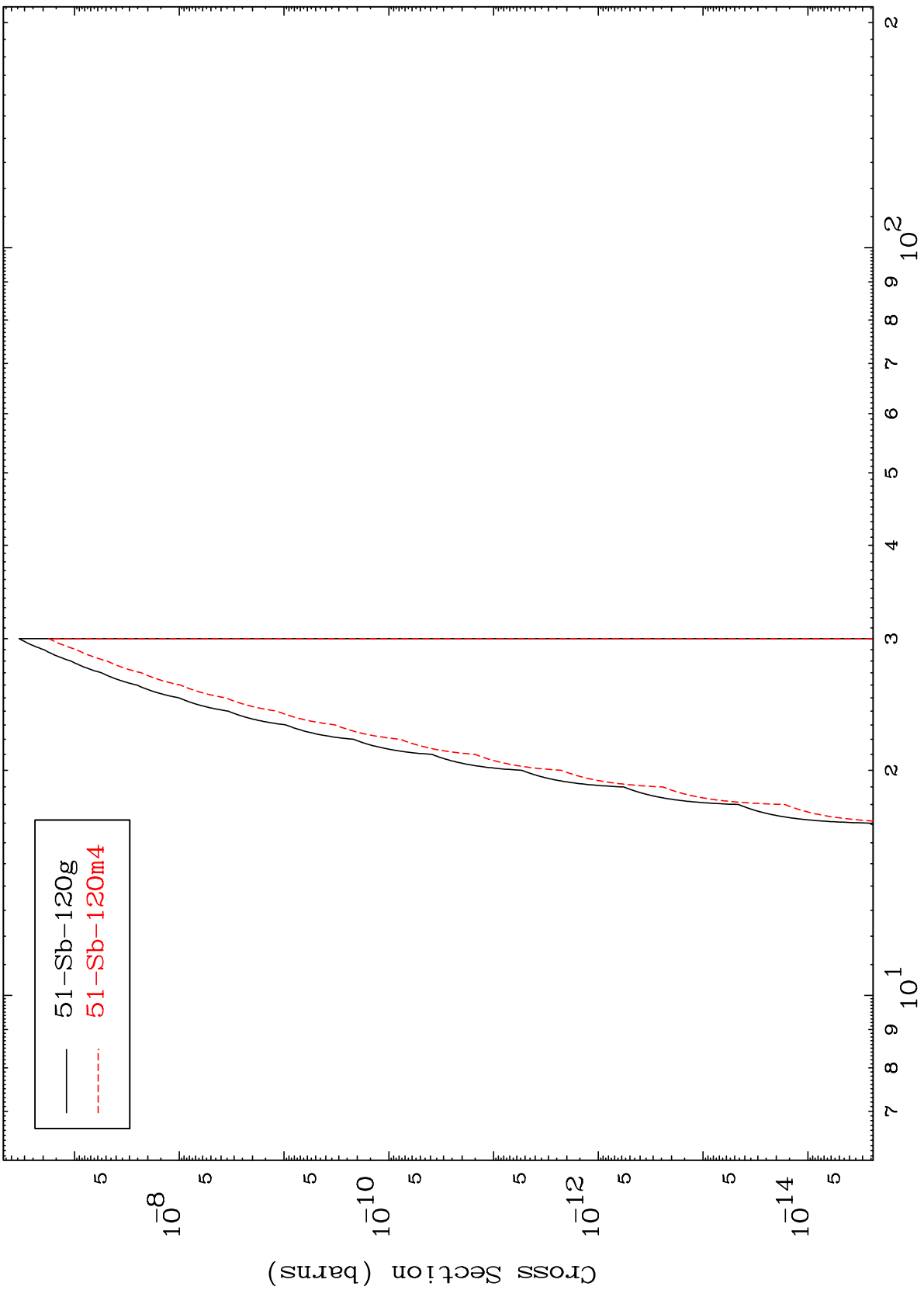


MAT 5428

(n,d)  $\alpha$

54-Xe-125

Radionuclide Production Cross Section



127

Incident Energy (MeV)

54-Xe-125