

Program EVALPLOT  
(Version 2018-1)

by

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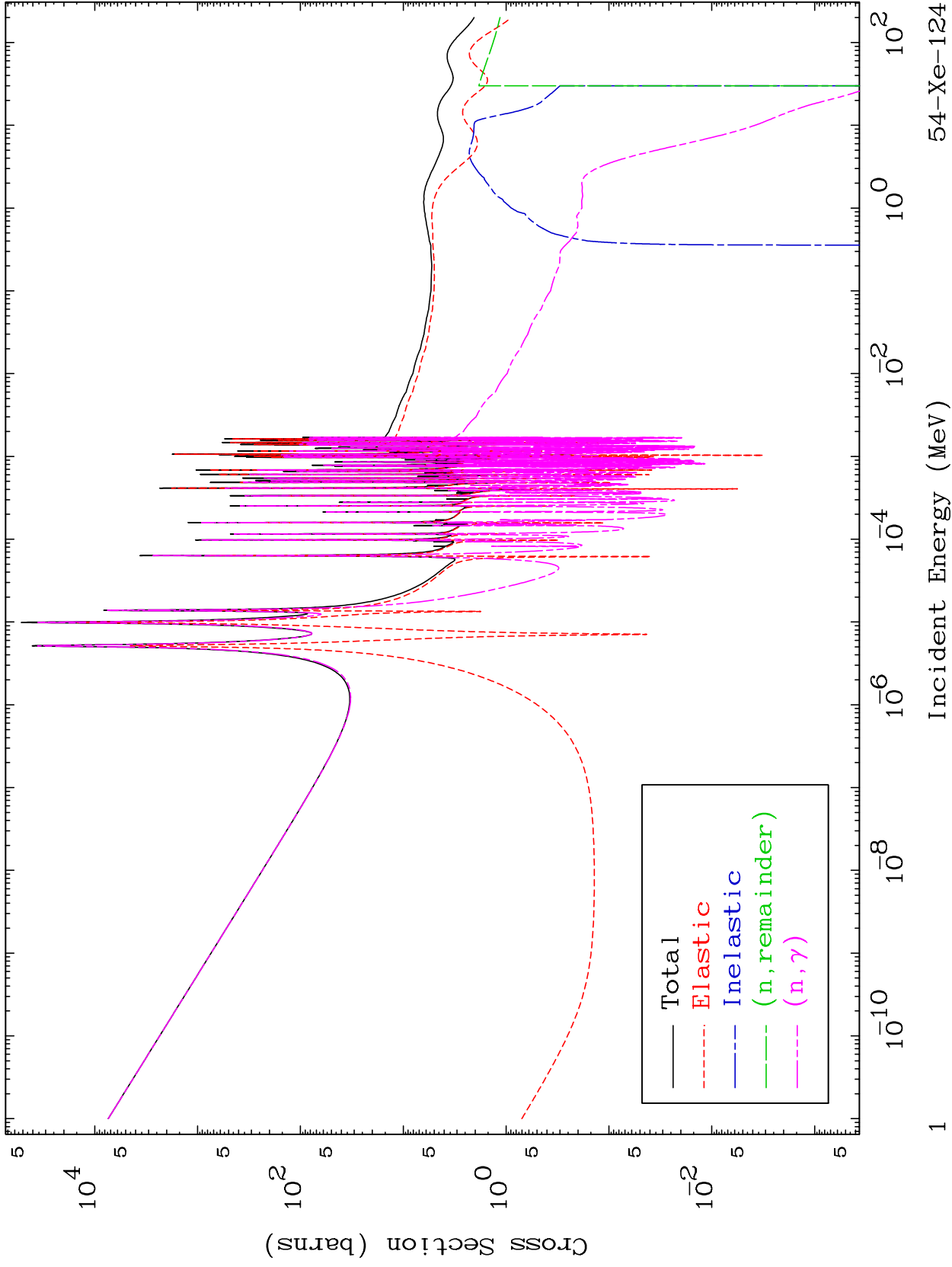
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Press Mouse Button to Start

MAT 5425

Major  
293 Kelvin Cross Sections

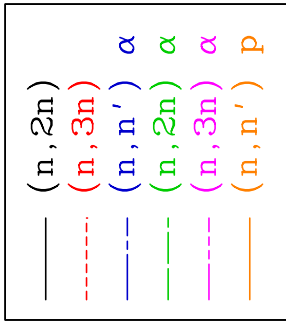
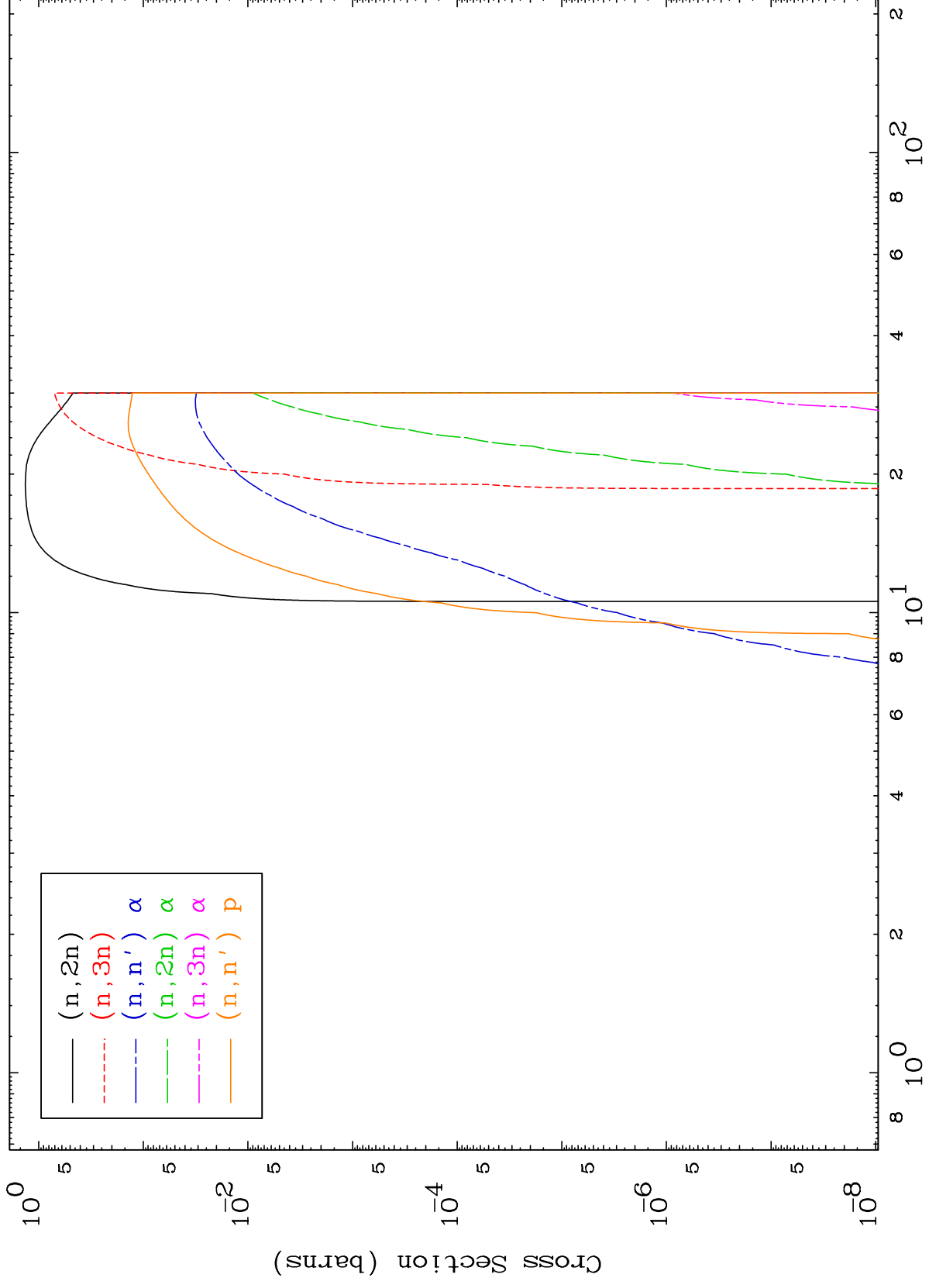
54-Xe-124



MAT 5425

Neutron Production  
293 Kelvin Cross Sections

54-Xe-124



2

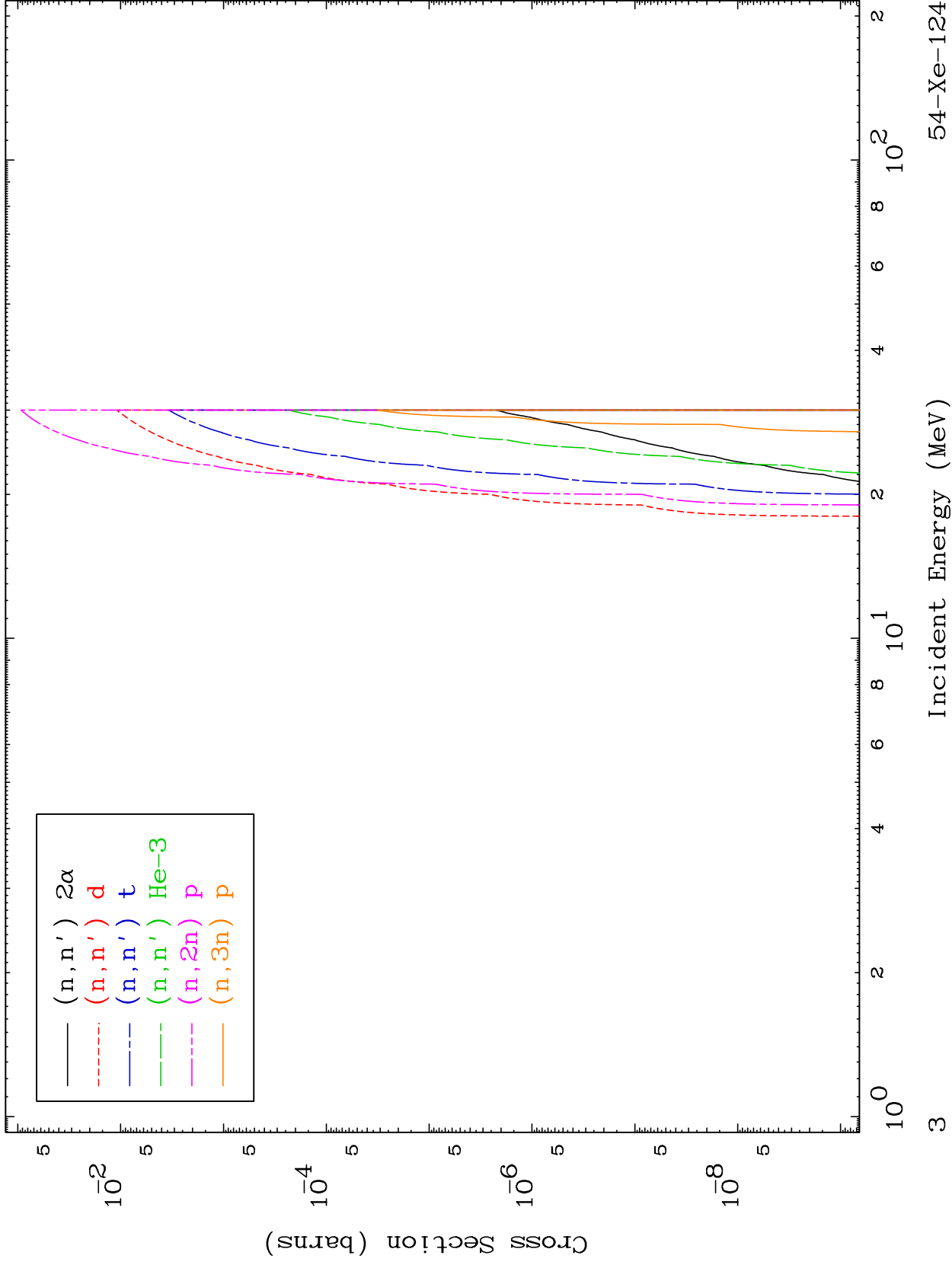
Incident Energy (MeV)

54-Xe-124

MAT 5425

Neutron Production  
293 Kelvin Cross Sections

54-Xe-124



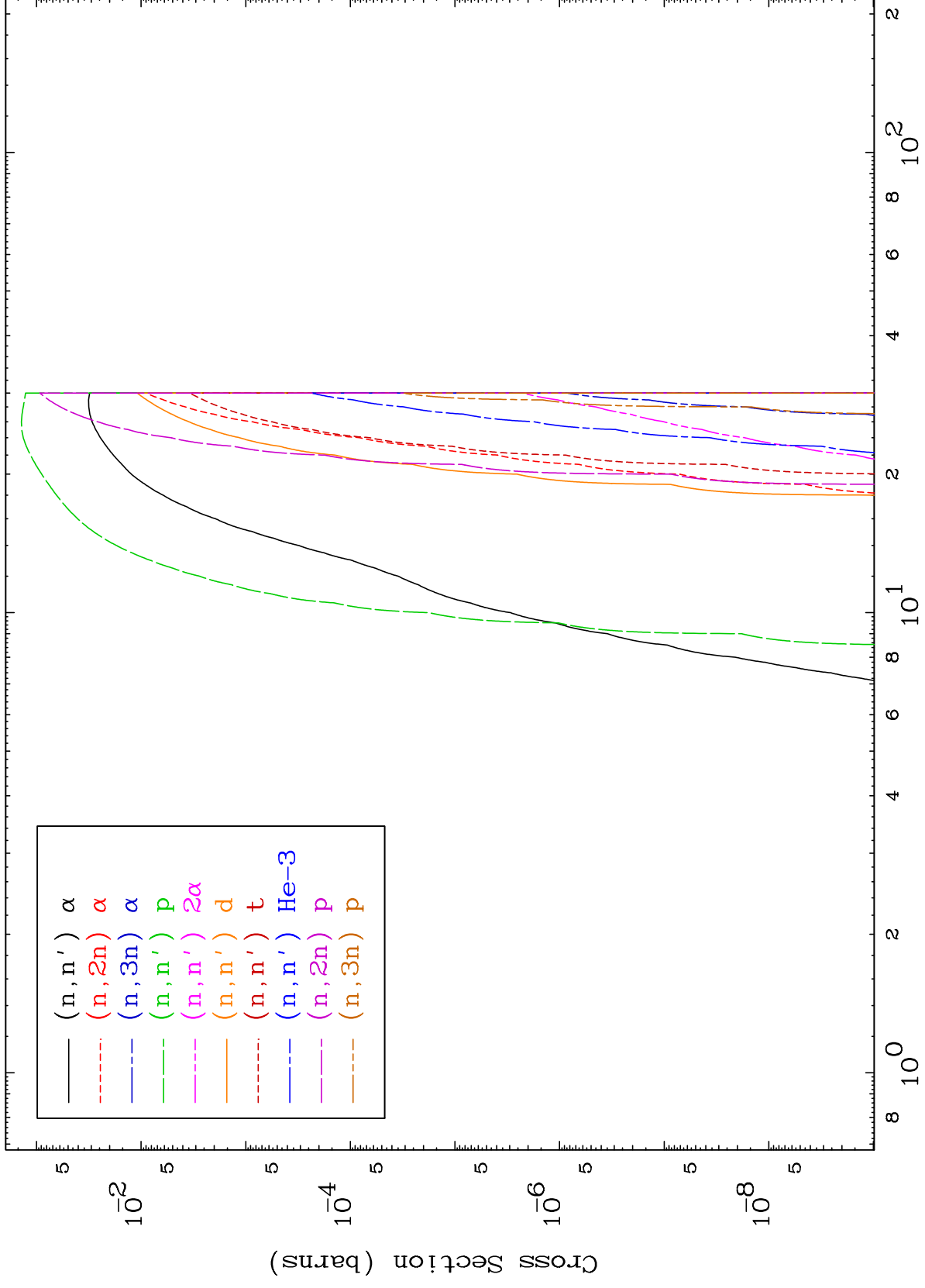
54-Xe-124

Incident Energy (MeV)

MAT 5425

Charged Particle  
293 Kelvin Cross Sections

54-Xe-124



4

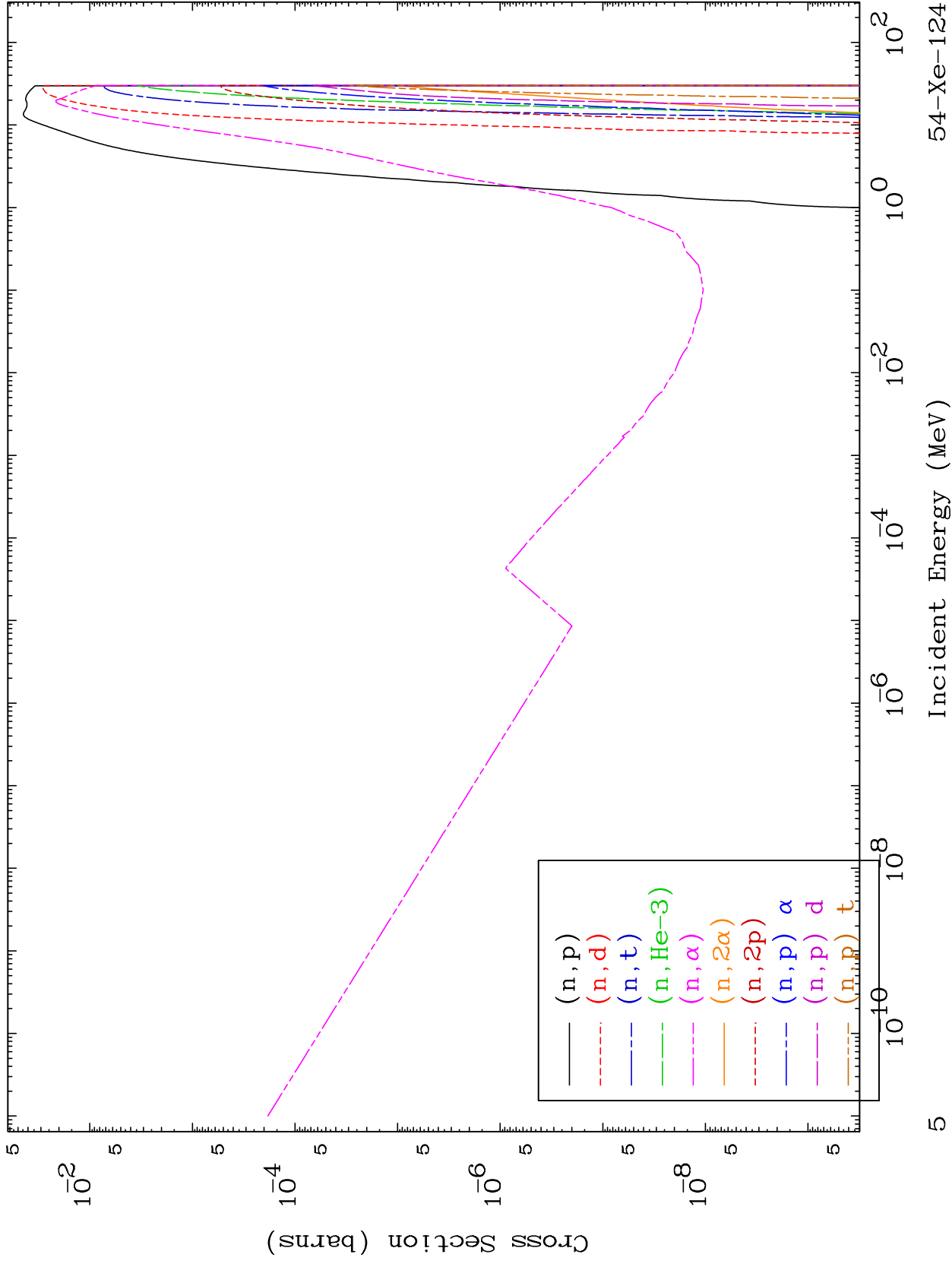
Incident Energy (MeV)

54-Xe-124

MAT 5425

Charged Particle  
293 Kelvin Cross Sections

54-Xe-124

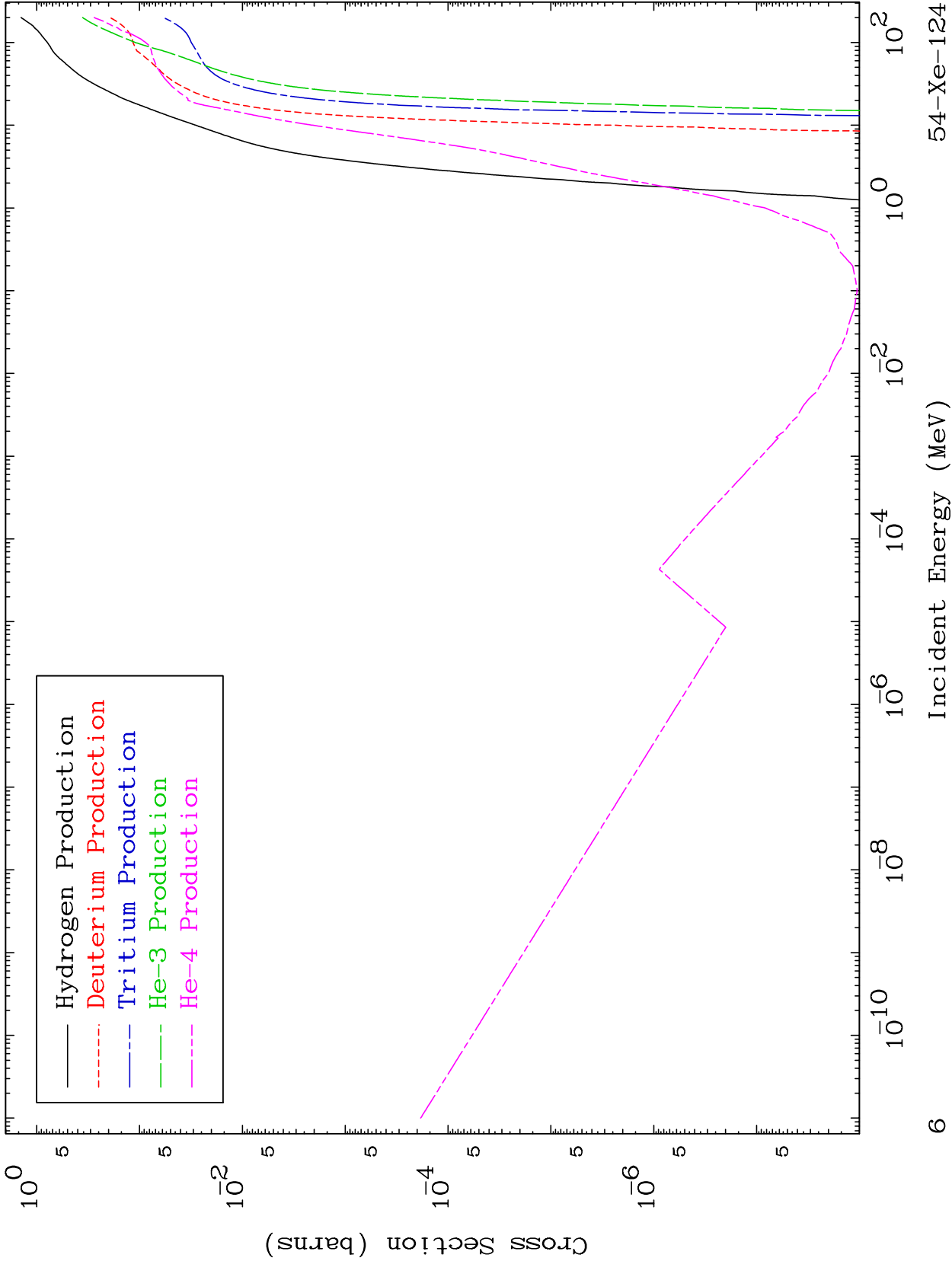


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MAT 5425

Particle Production  
293 Kelvin Cross Sections

54-Xe-124



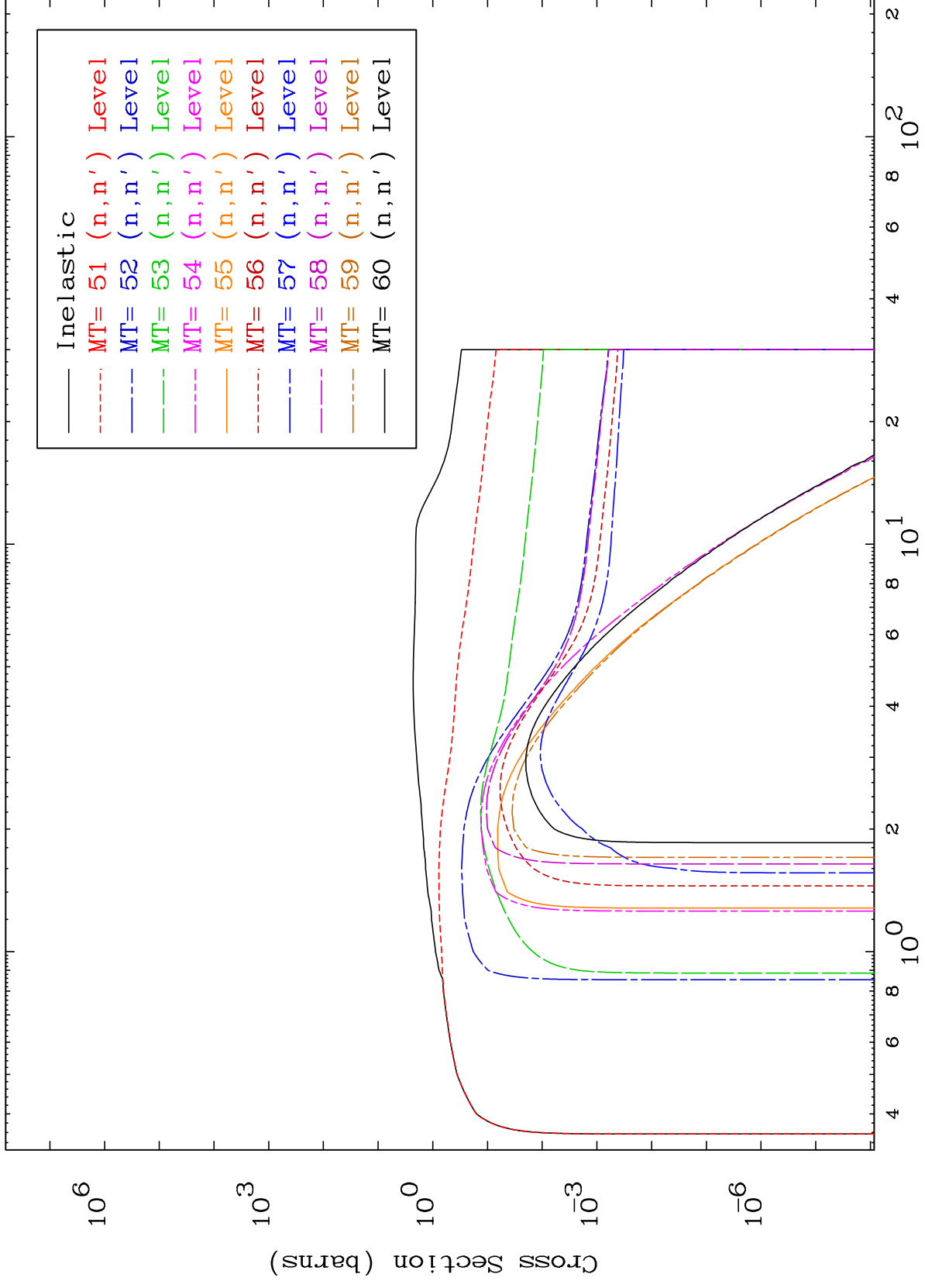
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MAT 5425

(n,n') Level

54-Xe-124

293 Kelvin Cross Sections



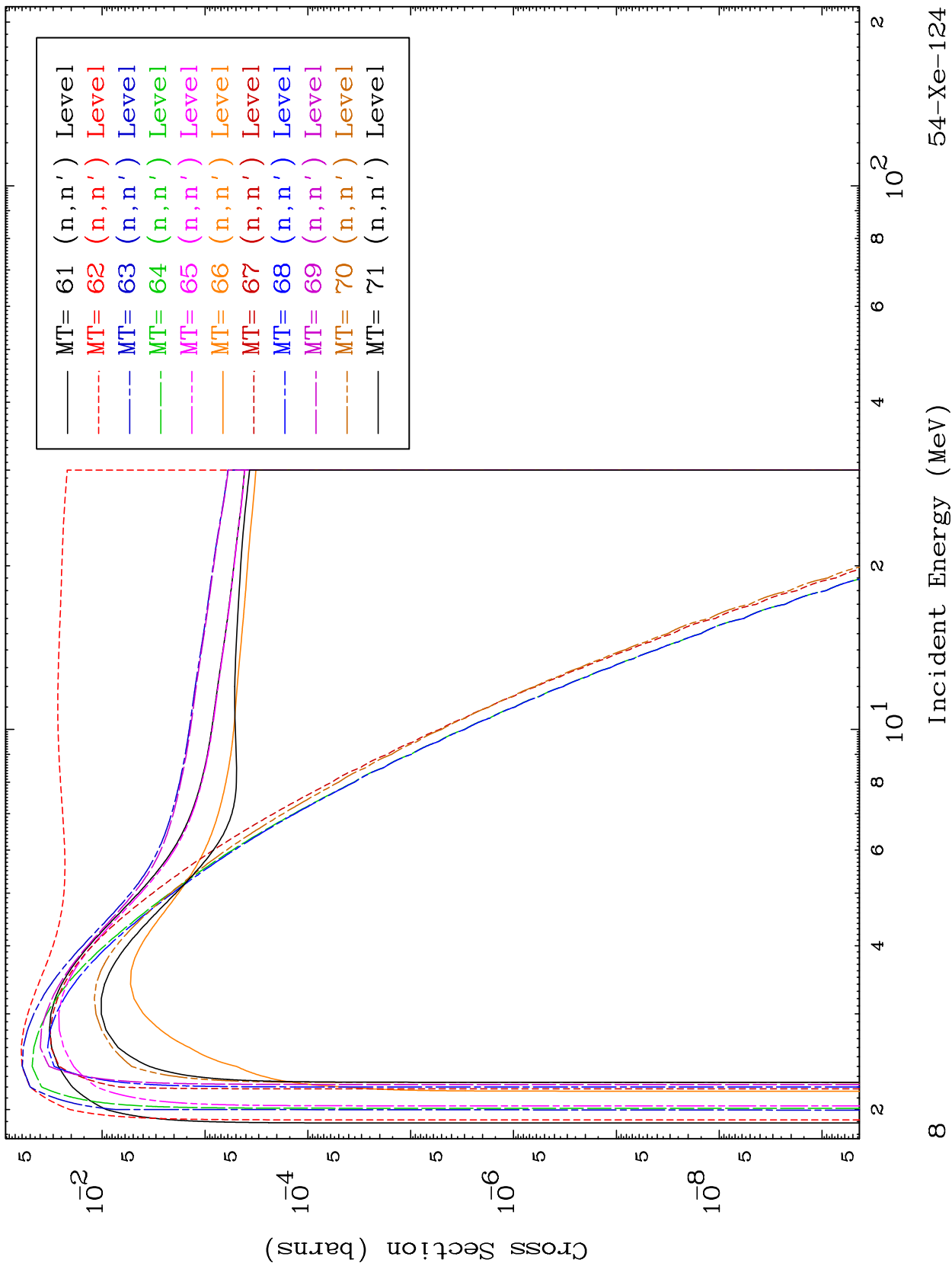


MAT 5425

(n,n') Level

54-Xe-124

293 Kelvin Cross Sections

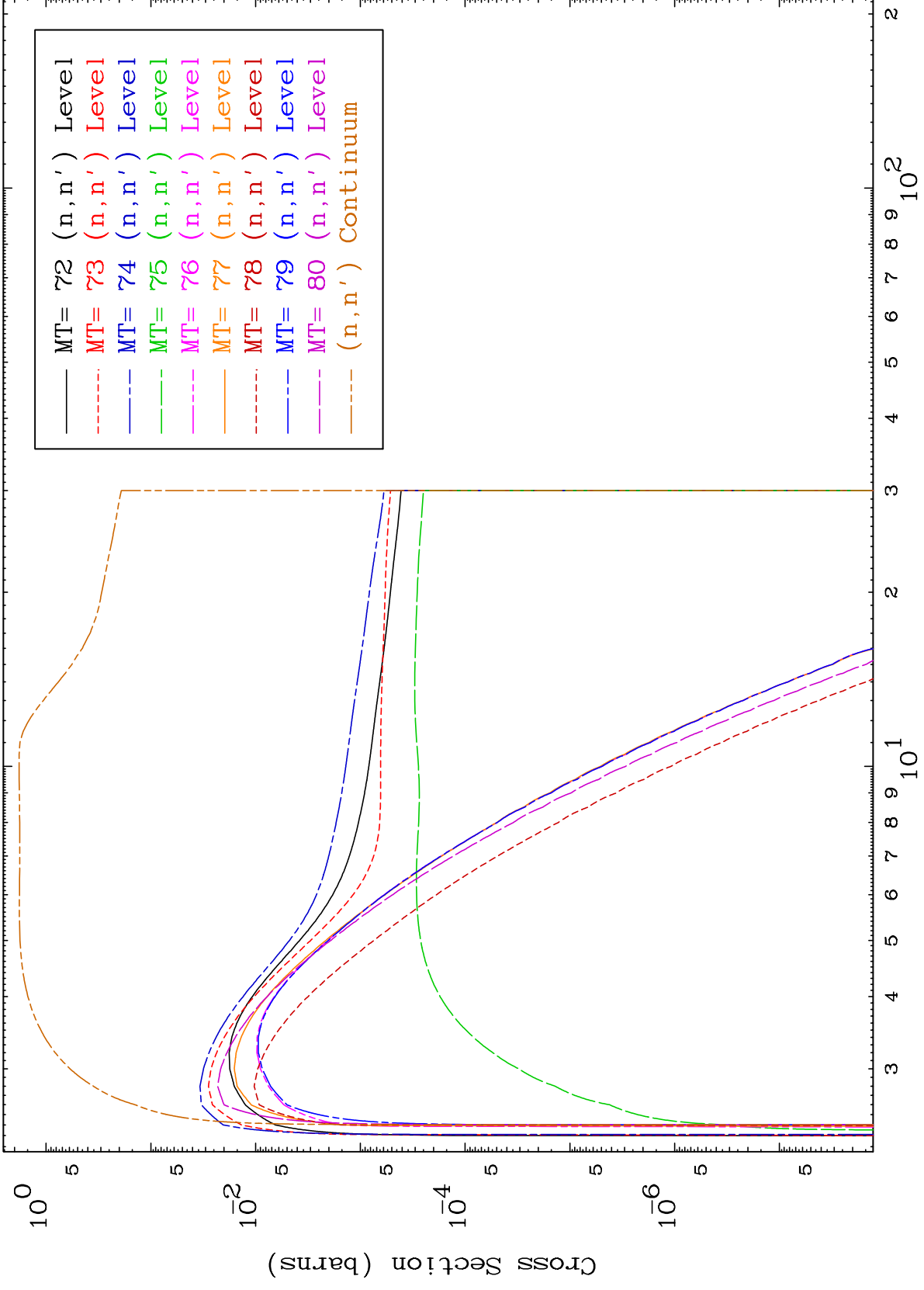


54-Xe-124

Incident Energy (MeV)

8

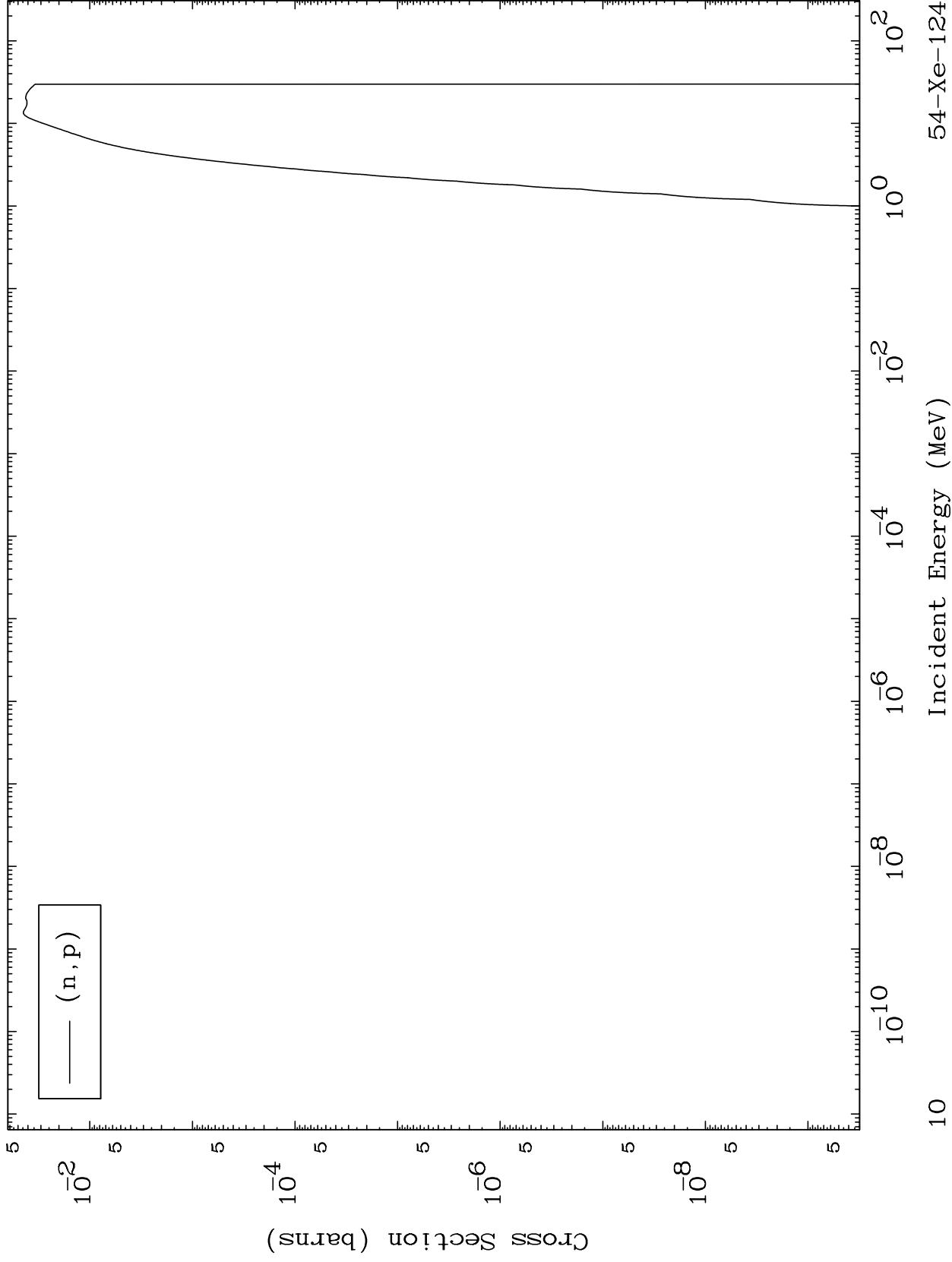
293 Kelvin Cross Sections



MAT 5425

(n,p) Levels  
293 Kelvin Cross Sections

54-Xe-124



10

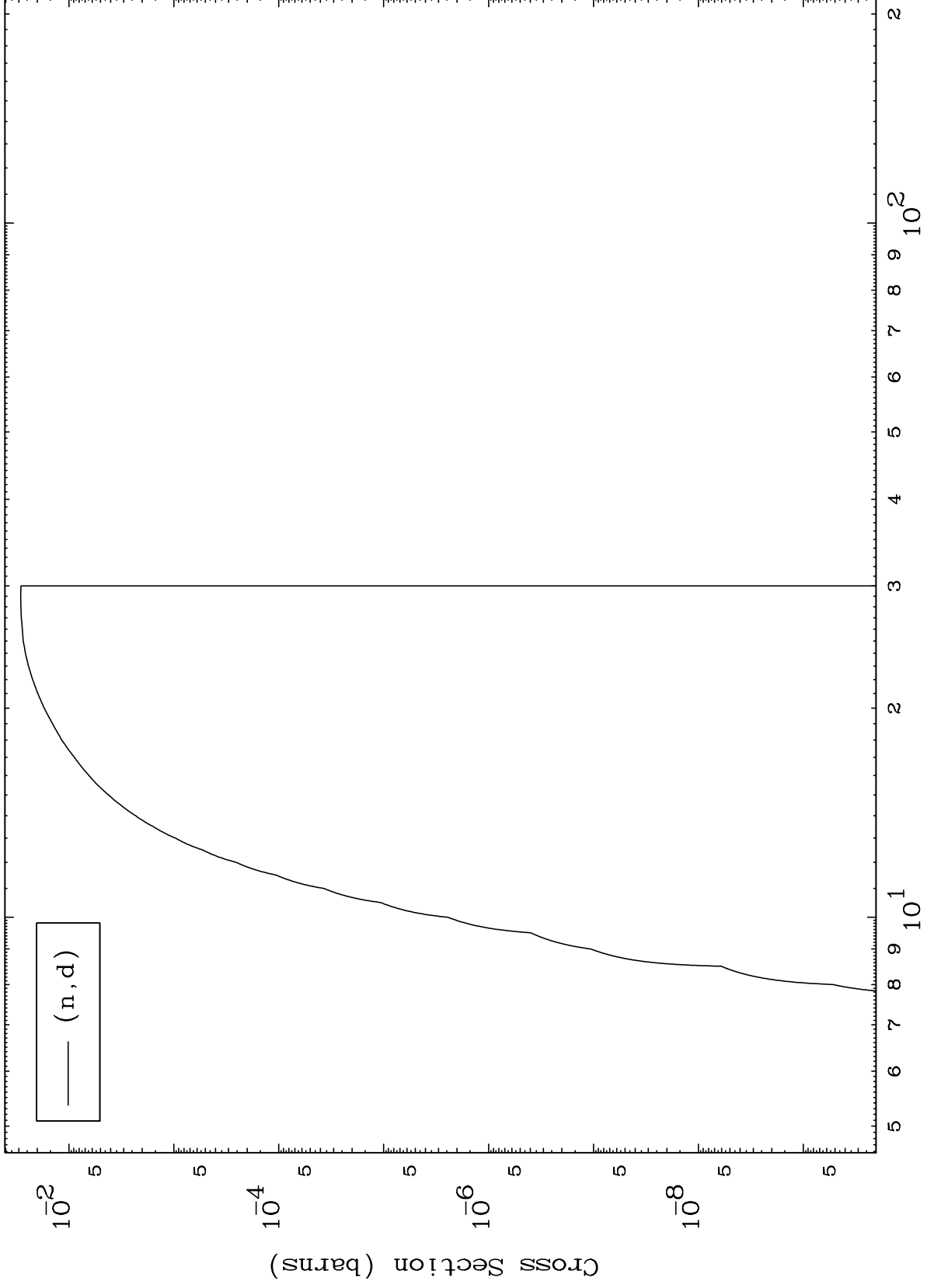
Incident Energy (MeV)

54-Xe-124

MAT 5425

(n,d) Levels  
293 Kelvin Cross Sections

54-Xe-124



11

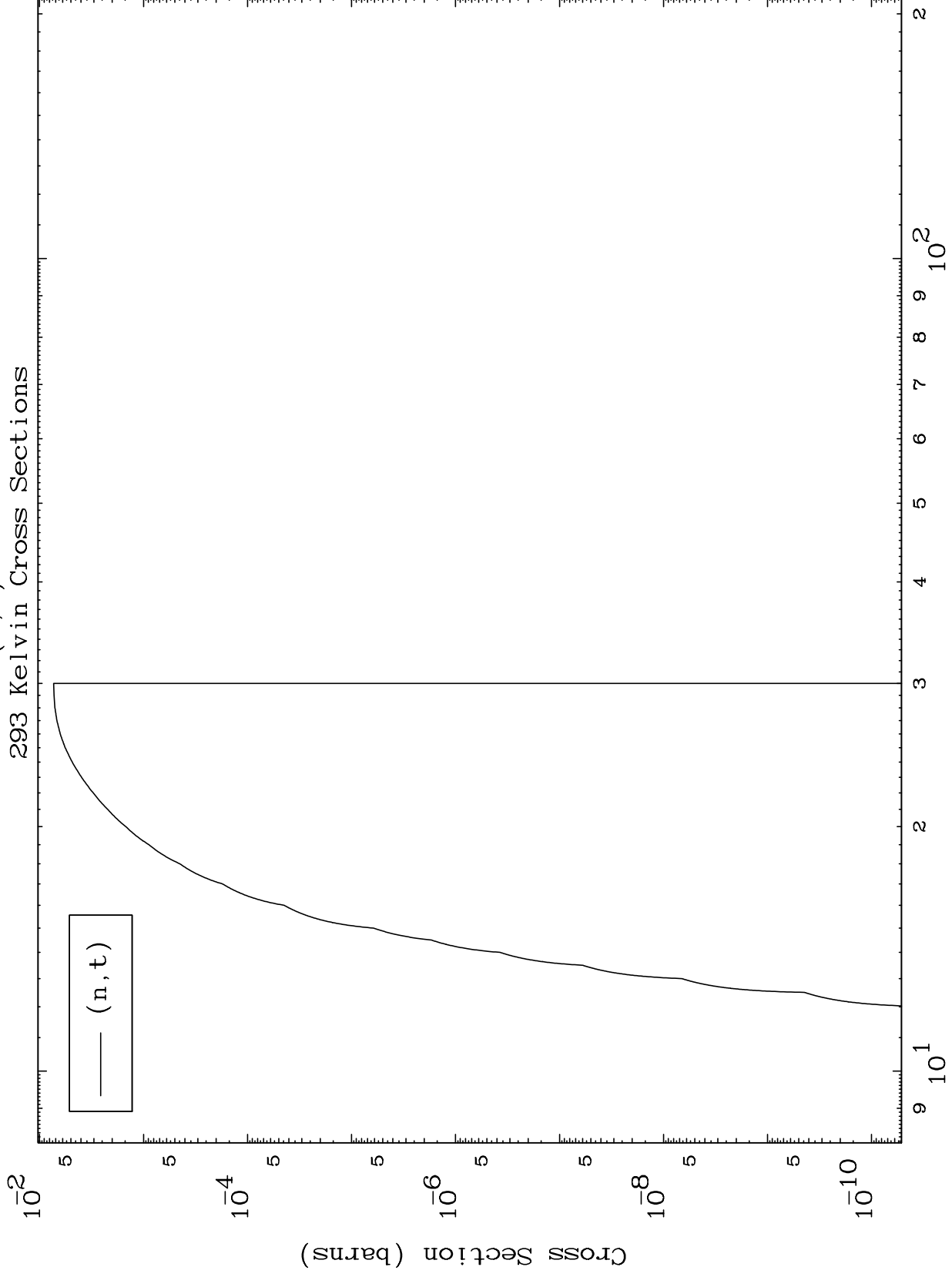
Incident Energy (MeV)

54-Xe-124

MAT 5425

(n,t) Levels  
293 Kelvin Cross Sections

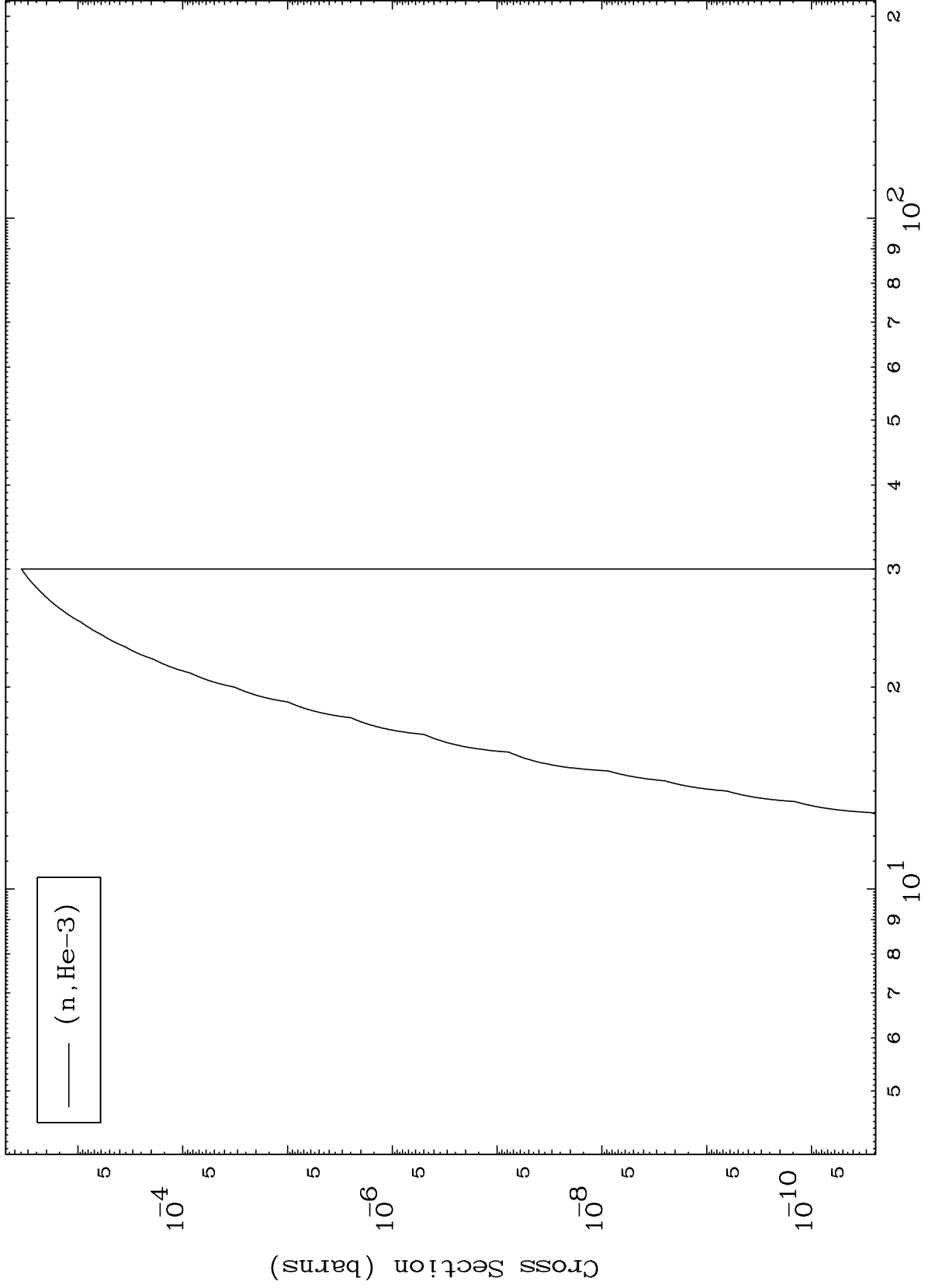
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12

Incident Energy (MeV)

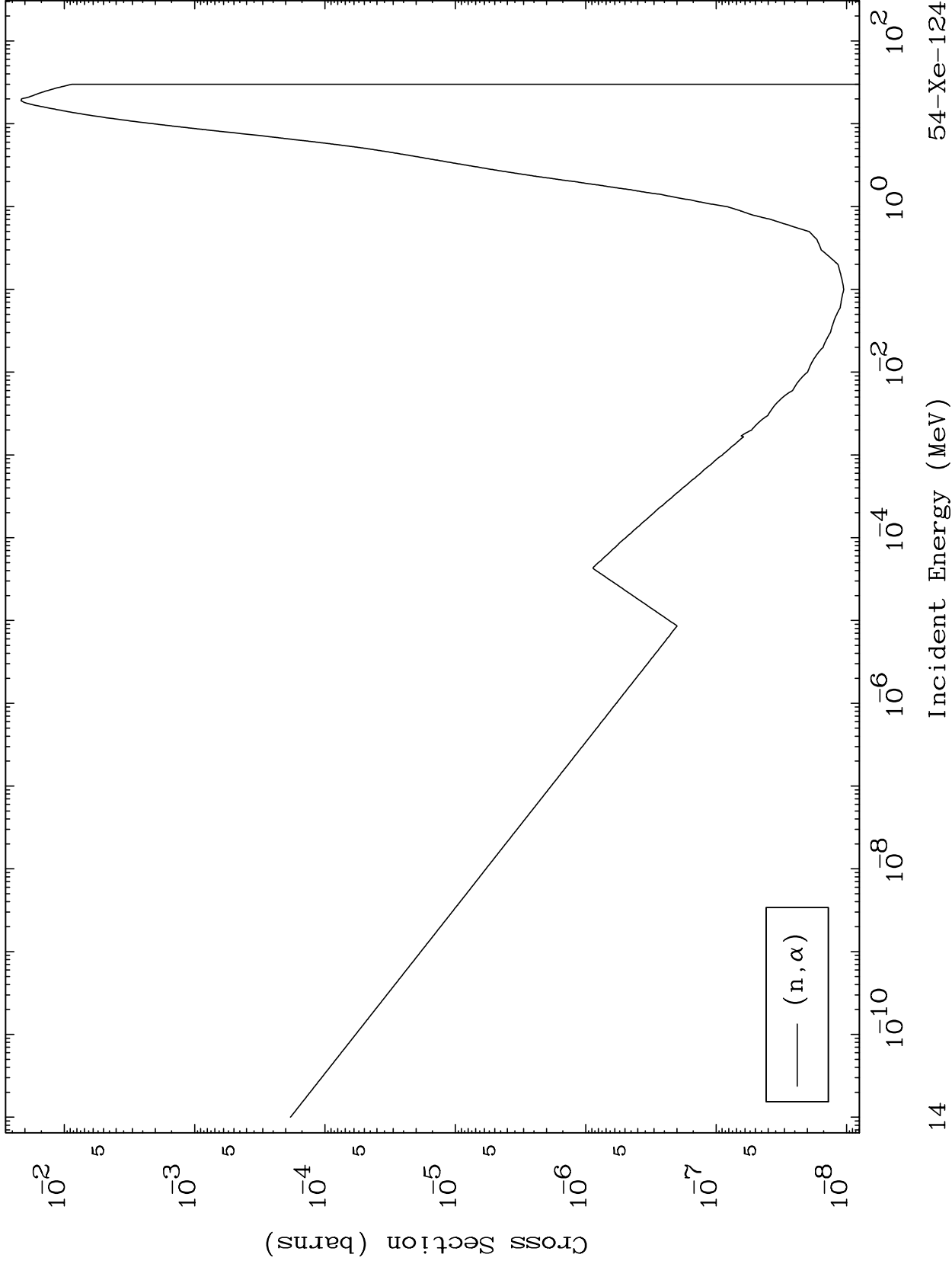
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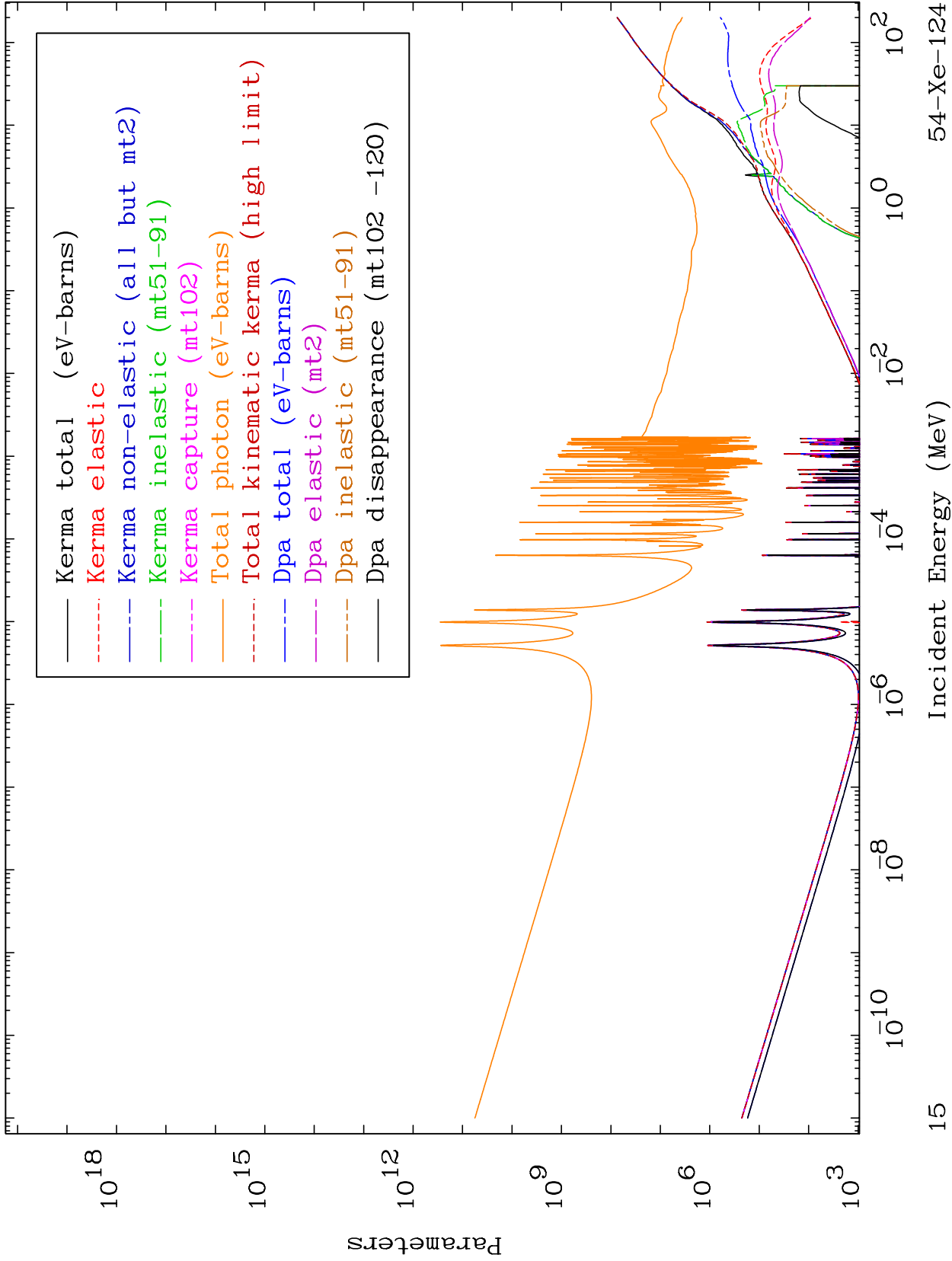


MAT 5425

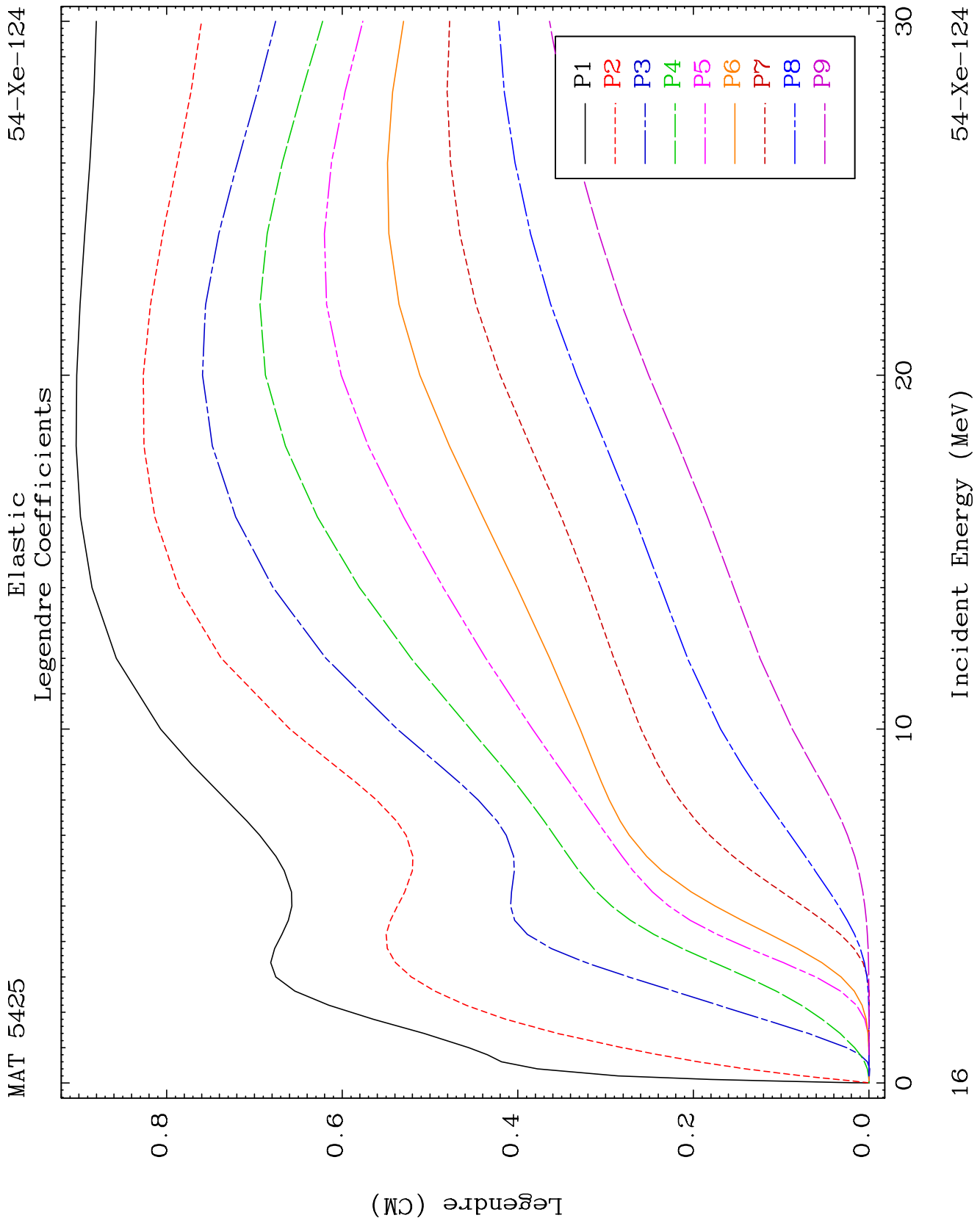
(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

54-Xe-124





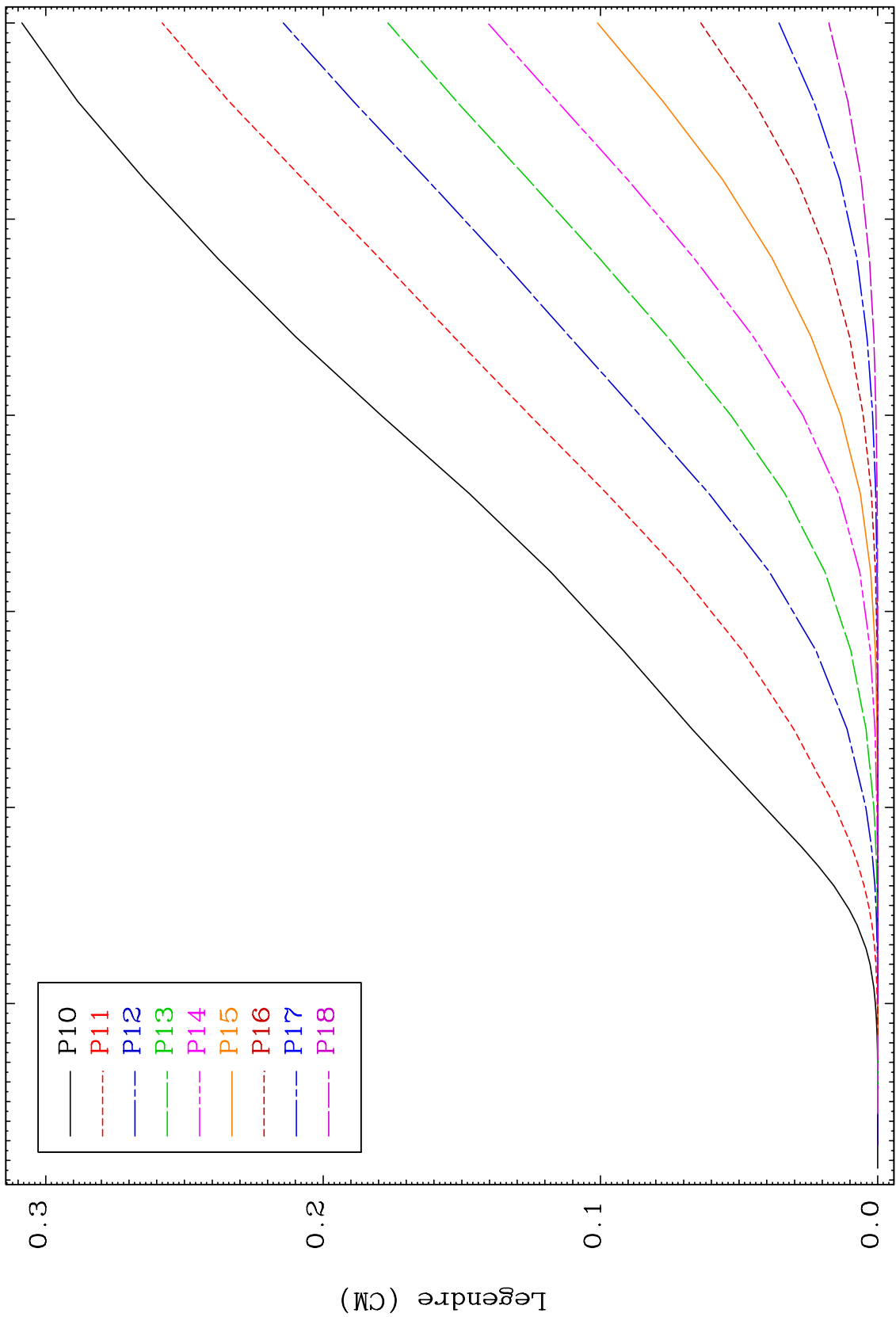




MAT 5425

Elastic Legendre Coefficients

54-Xe-124



17

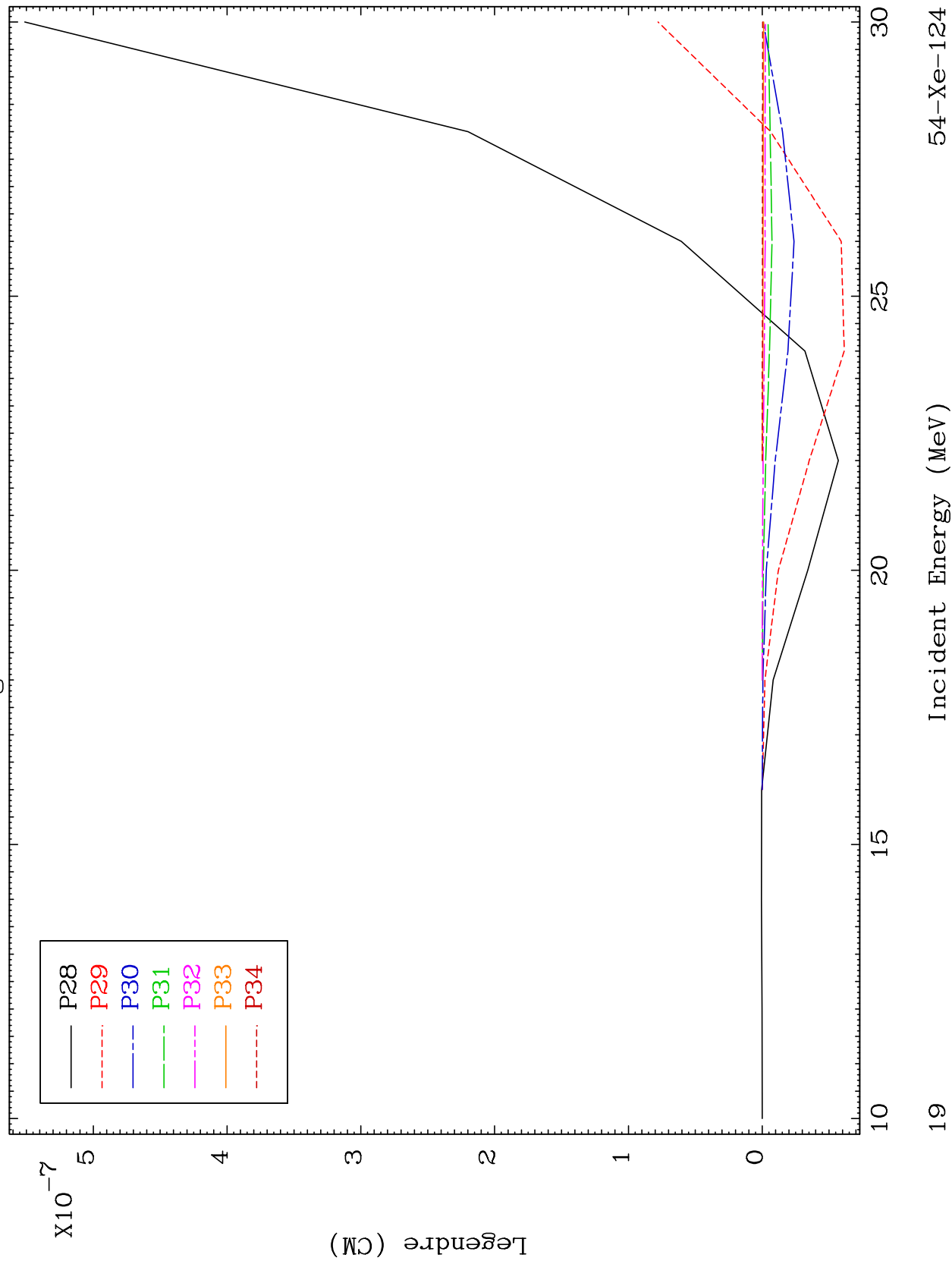
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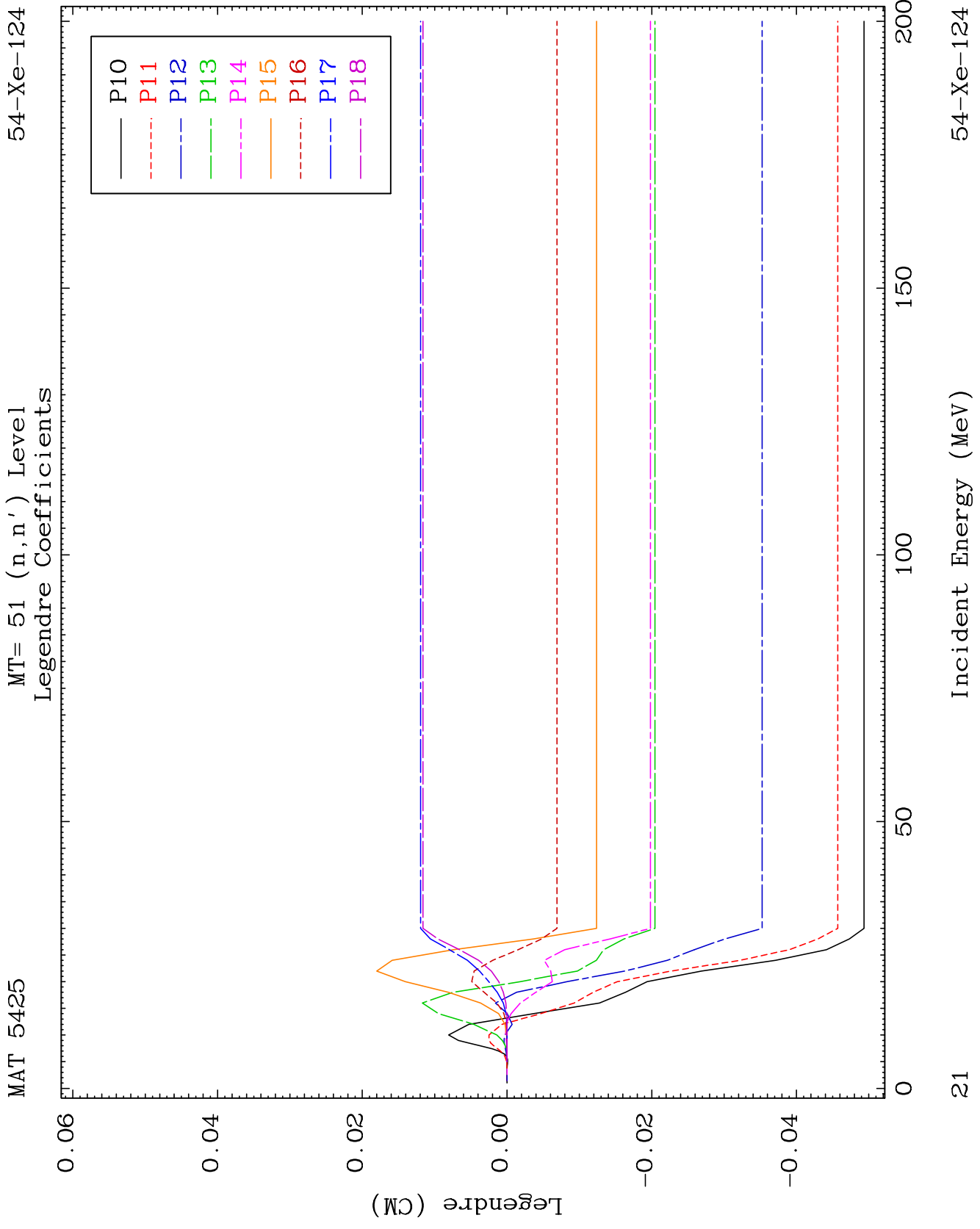
MAT 5425

Elastic Legendre Coefficients

54-Xe-124



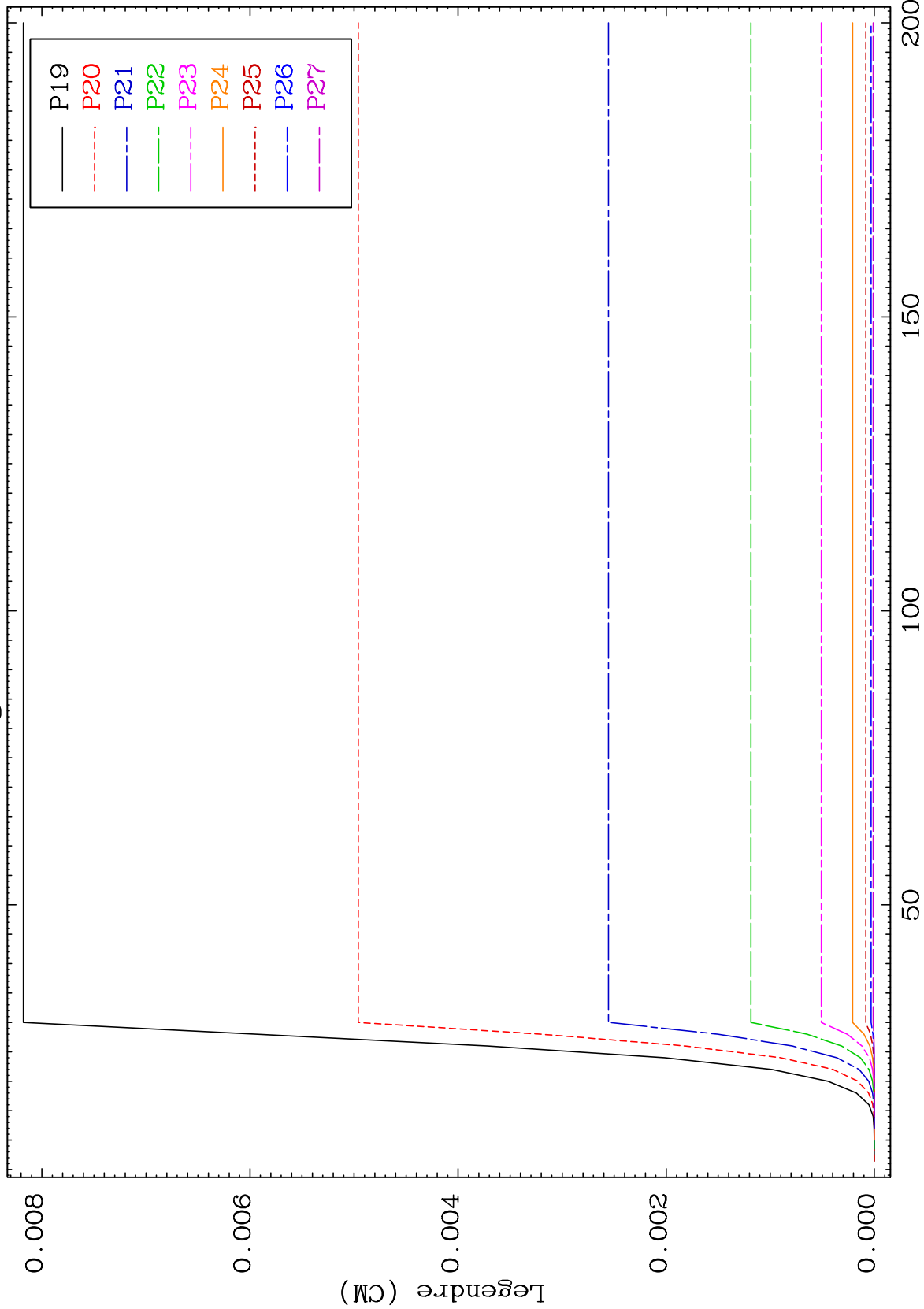




MAT 5425

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

54-Xe-124



22

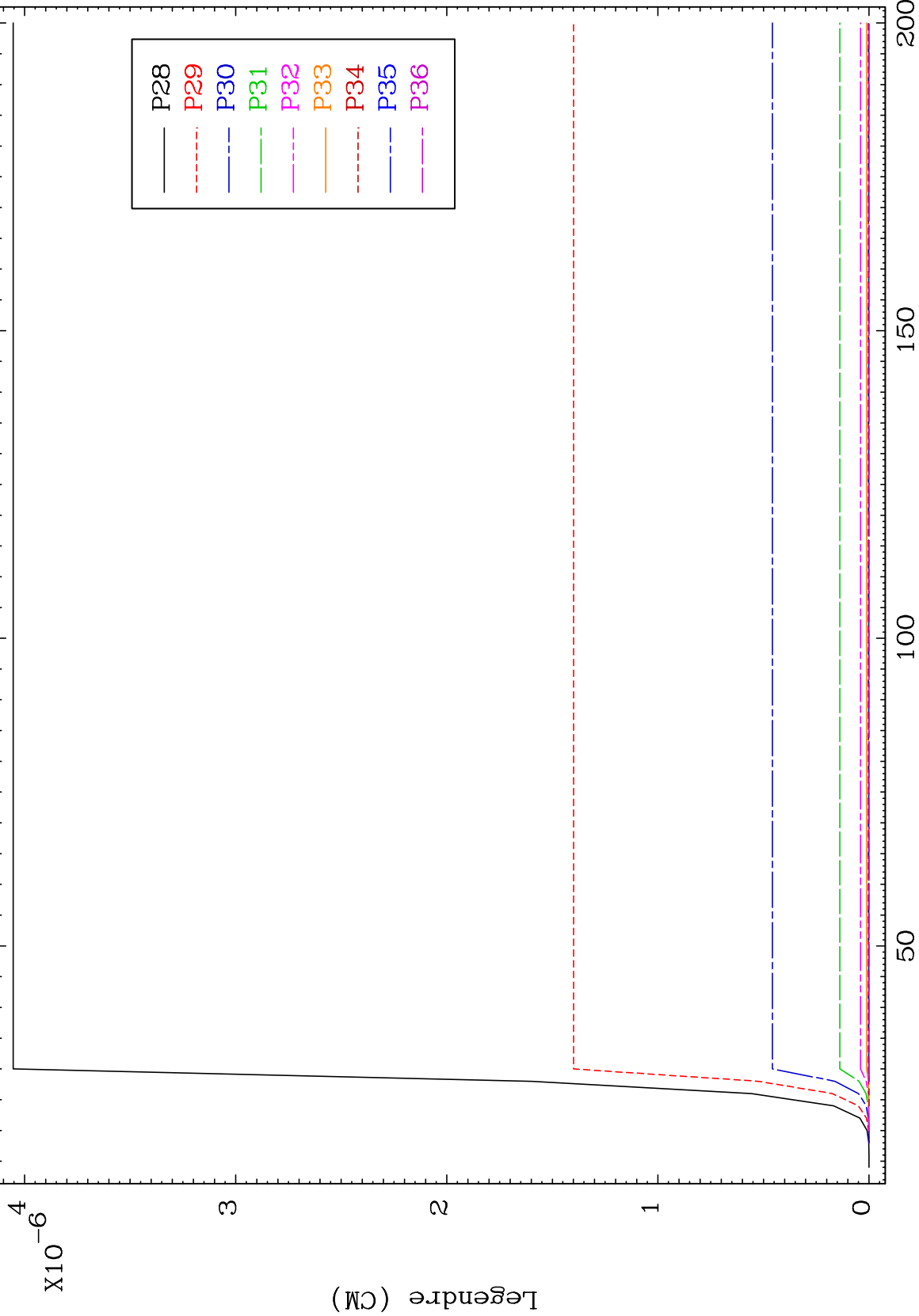
Incident Energy (MeV)

54-Xe-124

MAT 5425

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

54-Xe-124

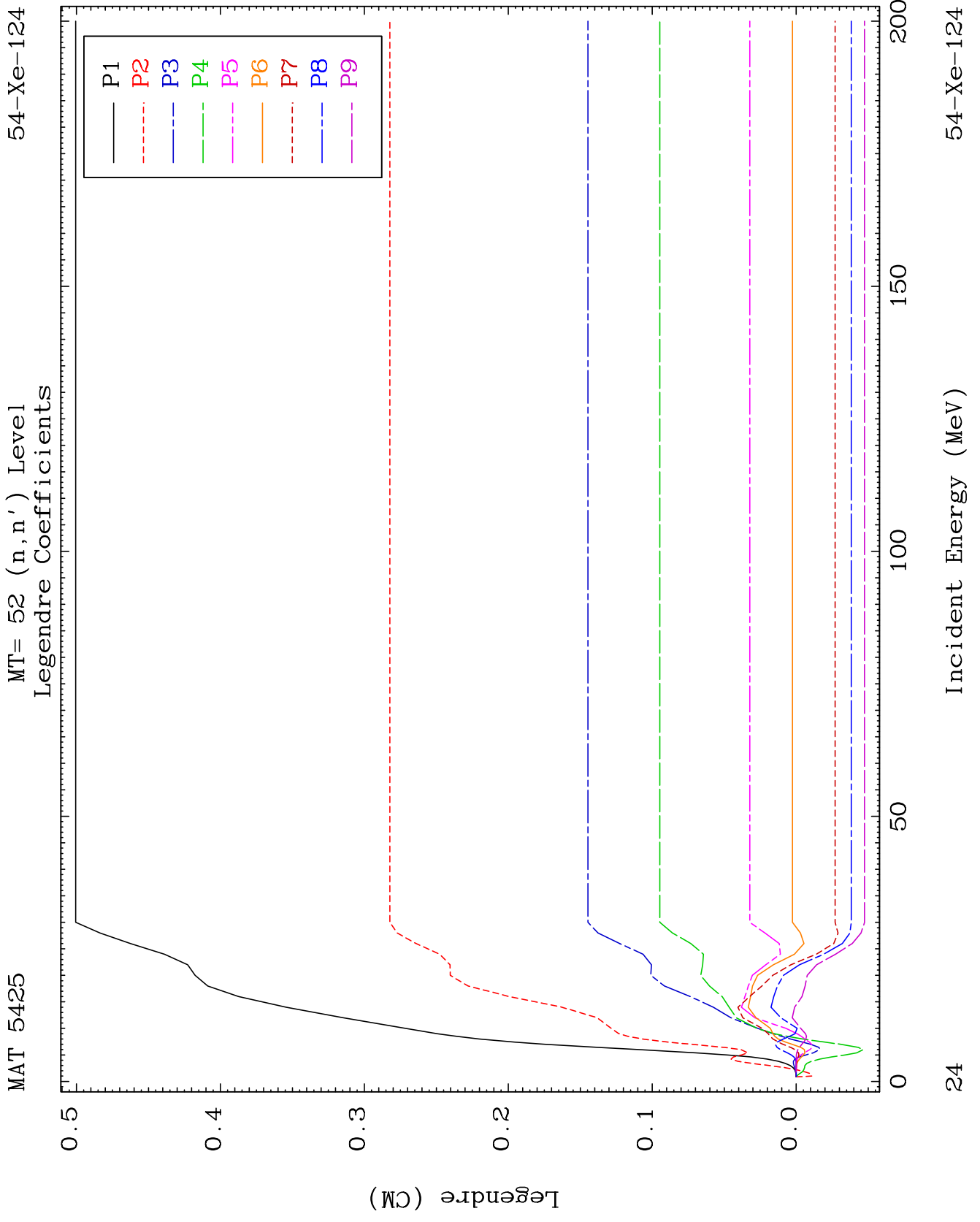


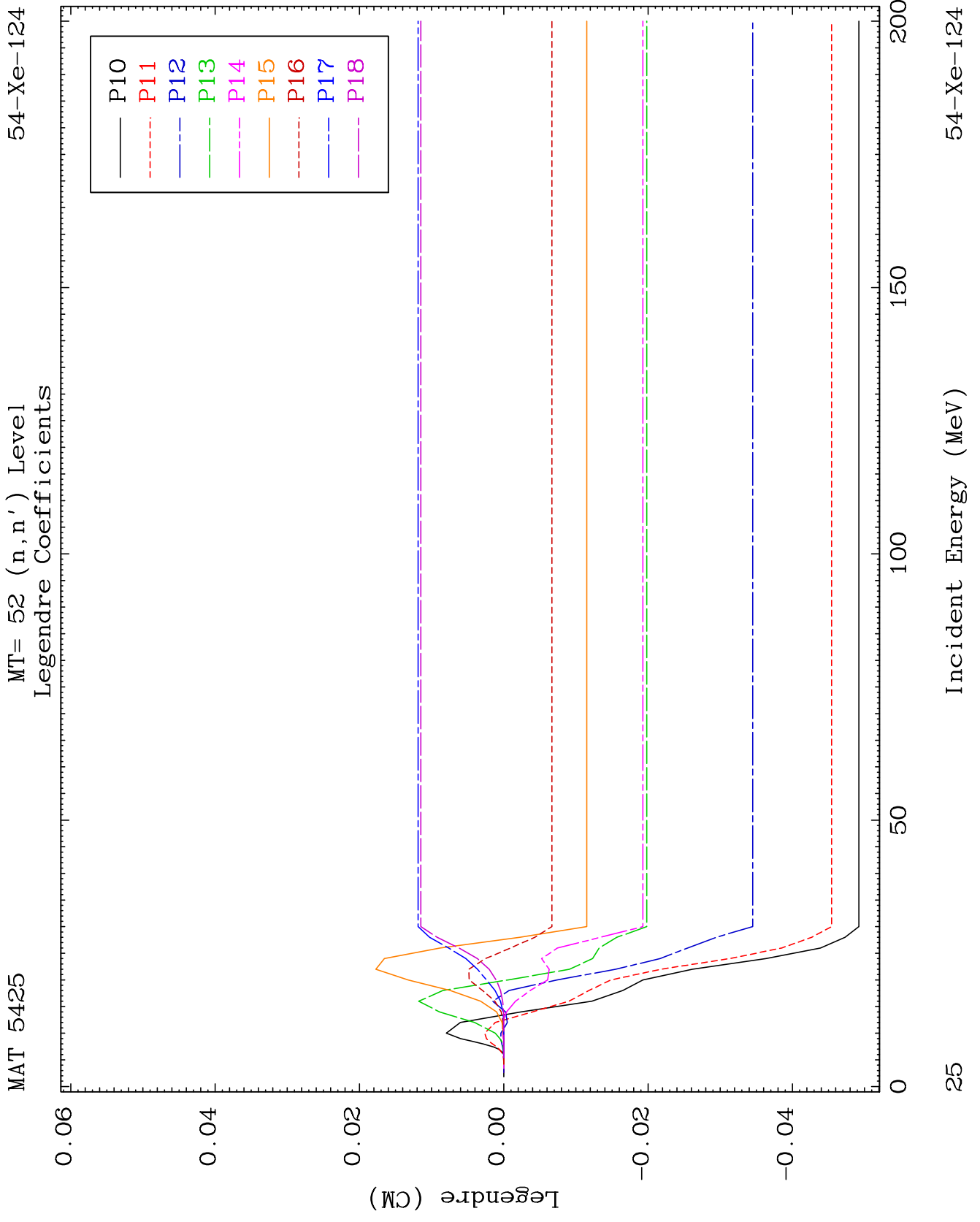
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Incident Energy (MeV)

54-Xe-124



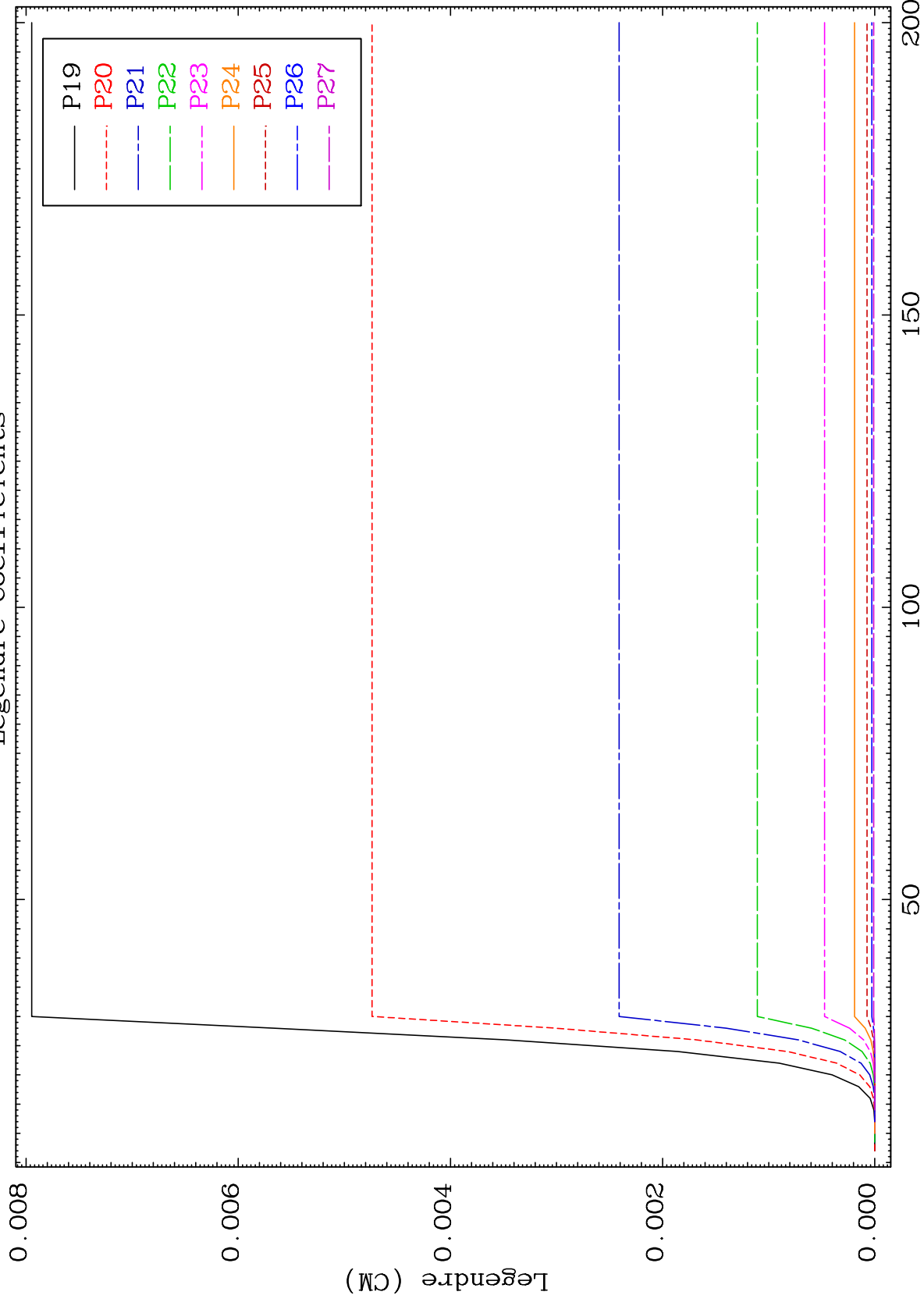




MAT 5425

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

54-Xe-124



26

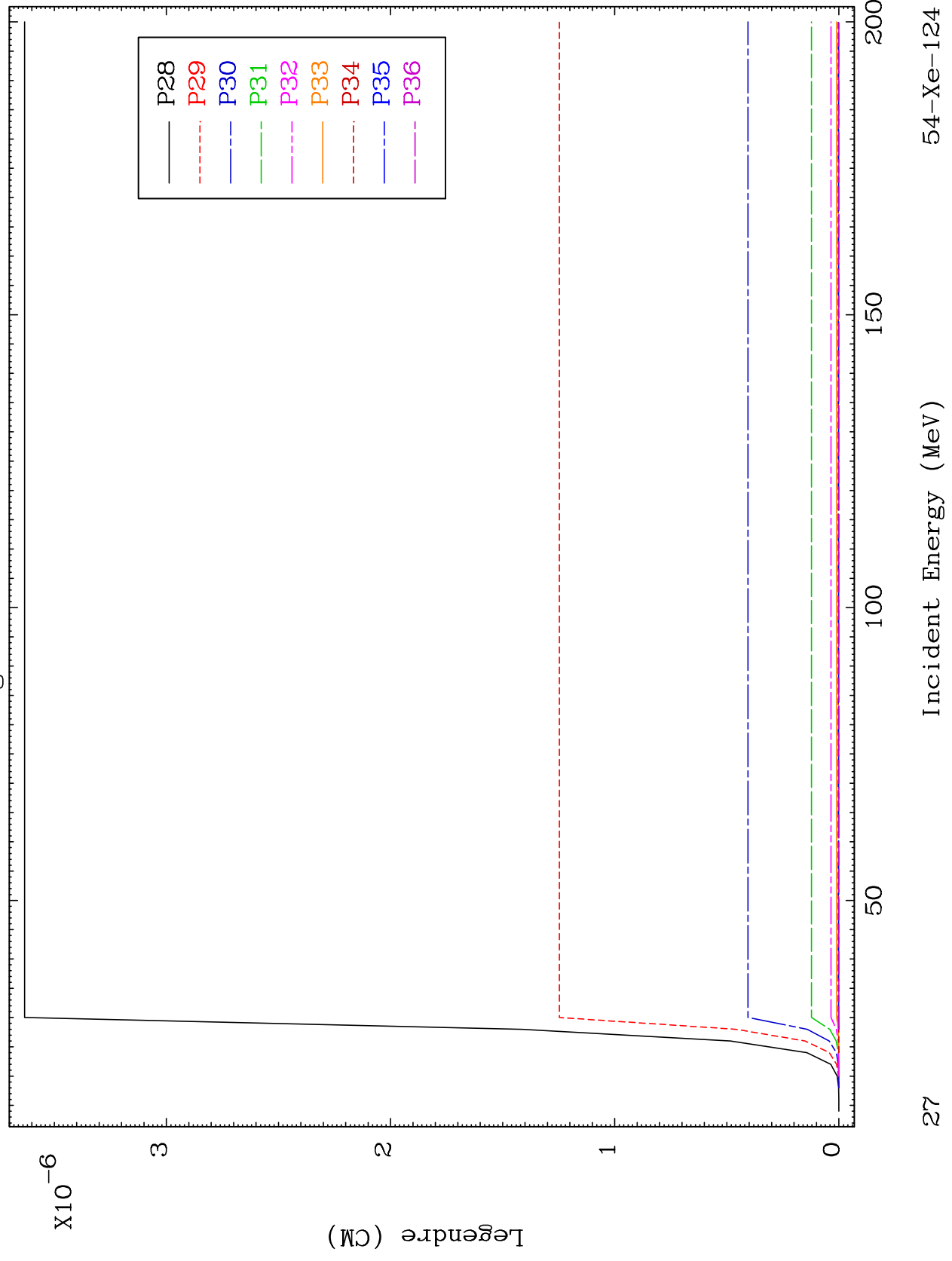
Incident Energy (MeV)

54-Xe-124

MAT 5425

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

54-Xe-124



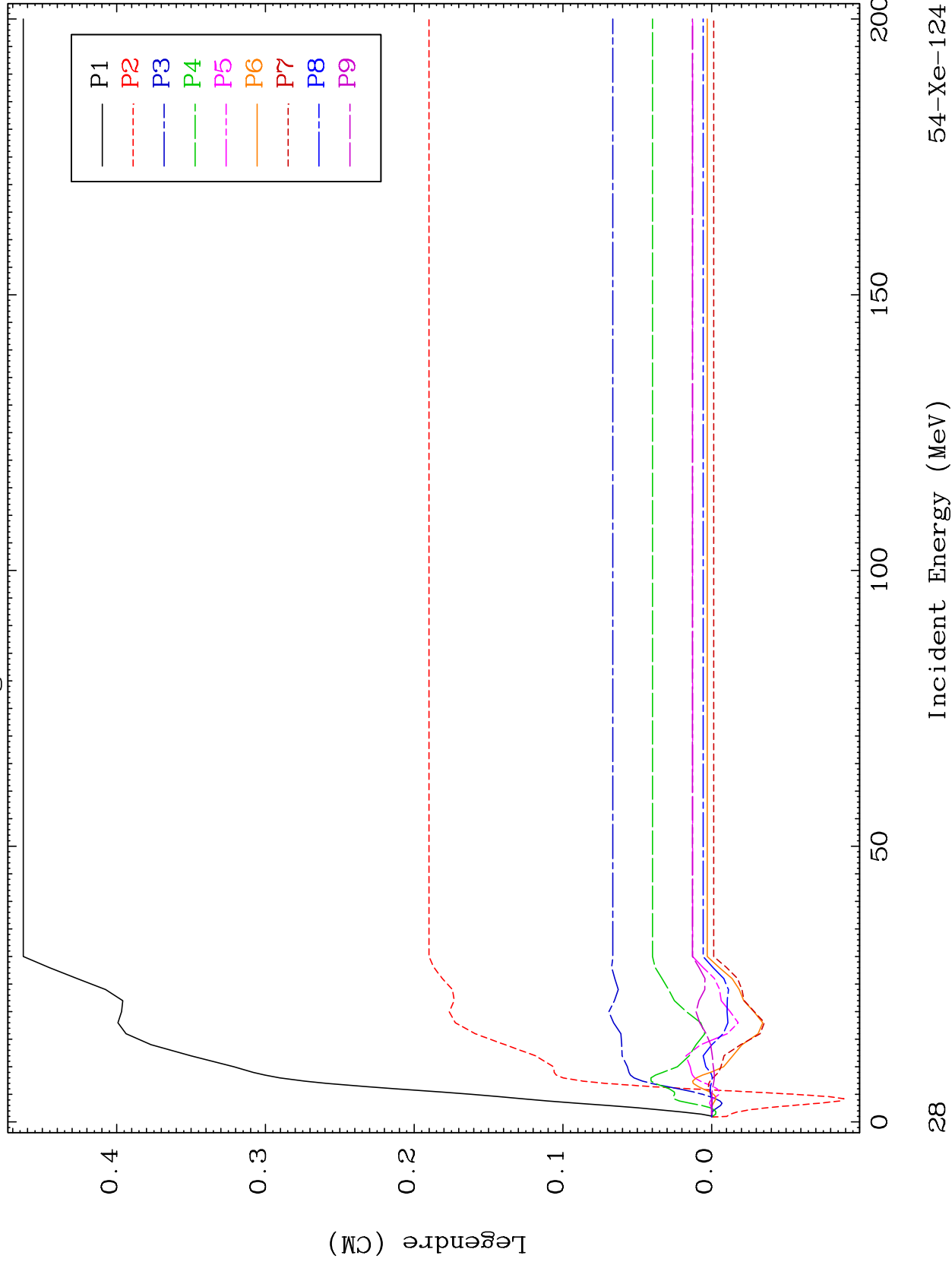
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54-Xe-124

MAT 5425

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

54-Xe-124



54-Xe-124

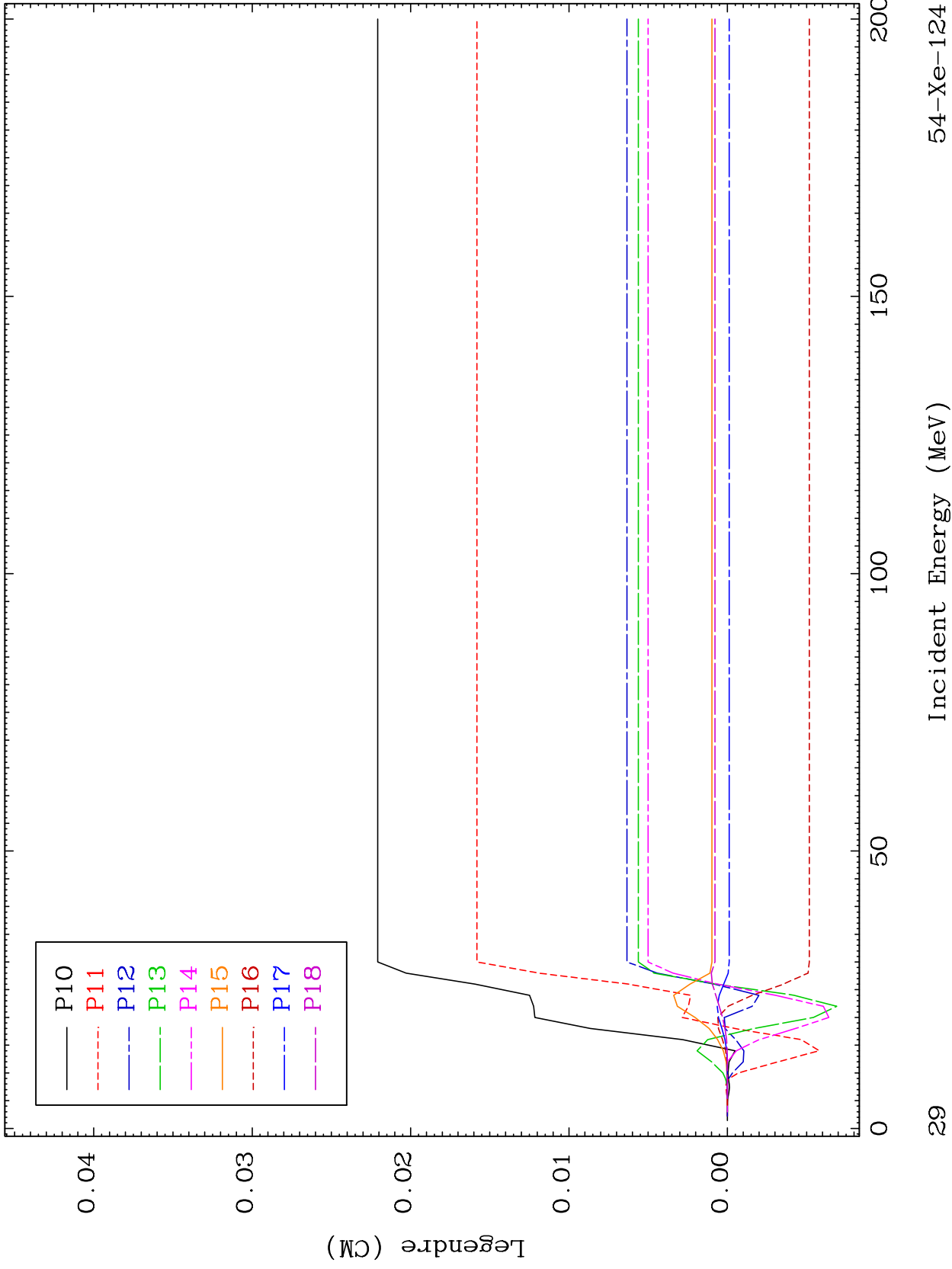
Incident Energy (MeV)

28

MAT 5425

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

54-Xe-124



29

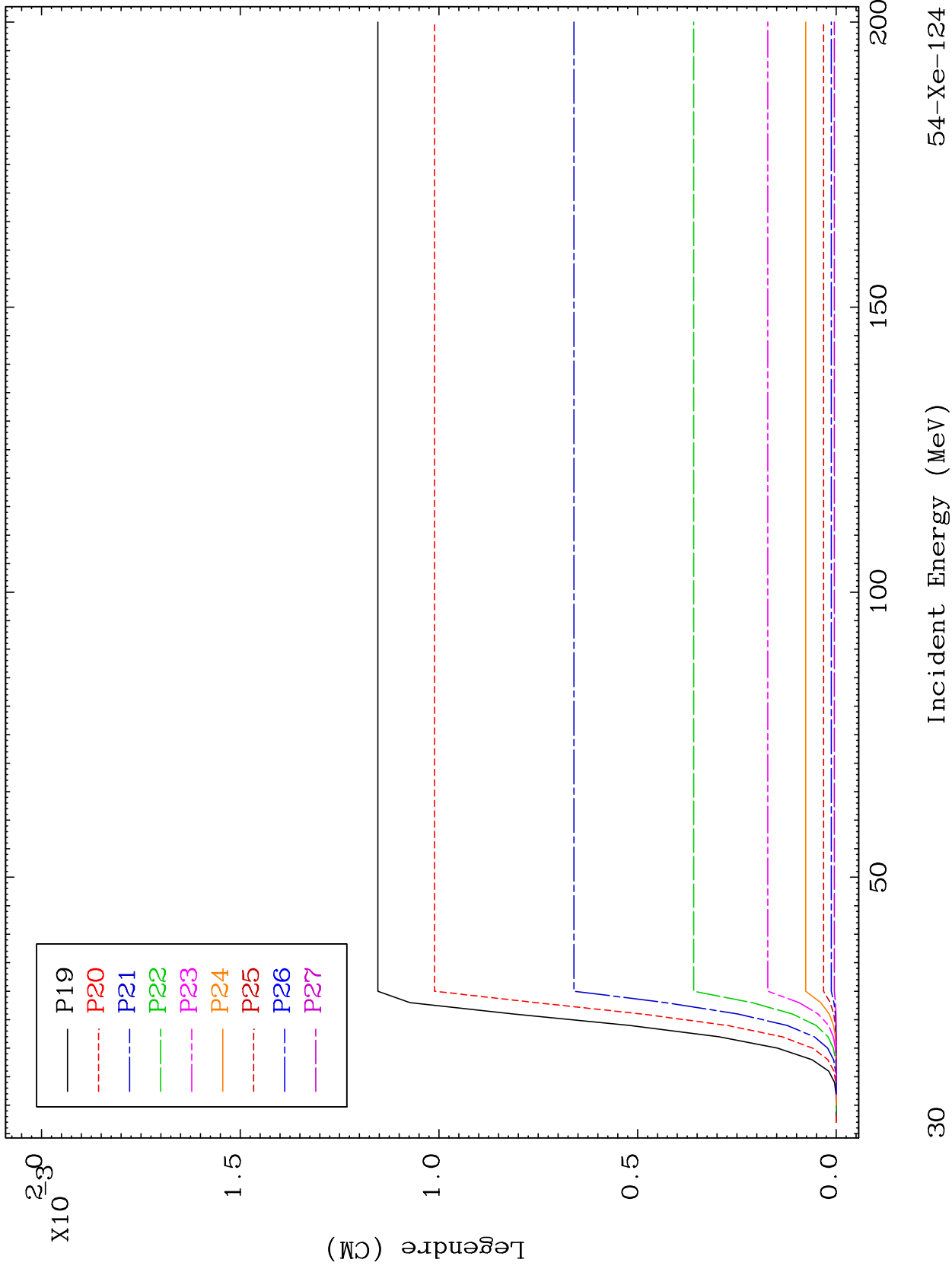
Incident Energy (MeV)

54-Xe-124

MAT 5425

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

54-Xe-124



54-Xe-124

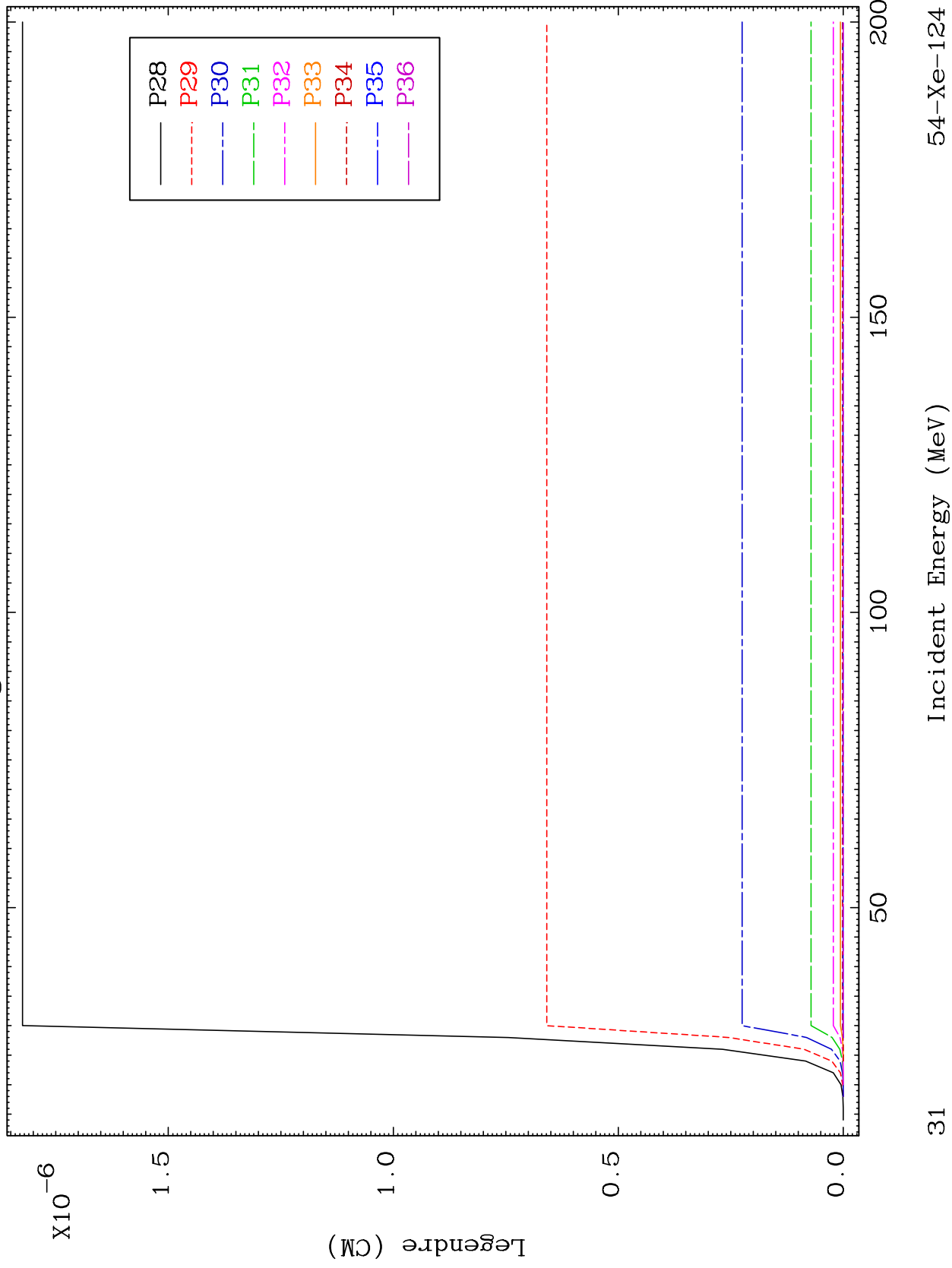
Incident Energy (MeV)

30

MAT 5425

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

54-Xe-124

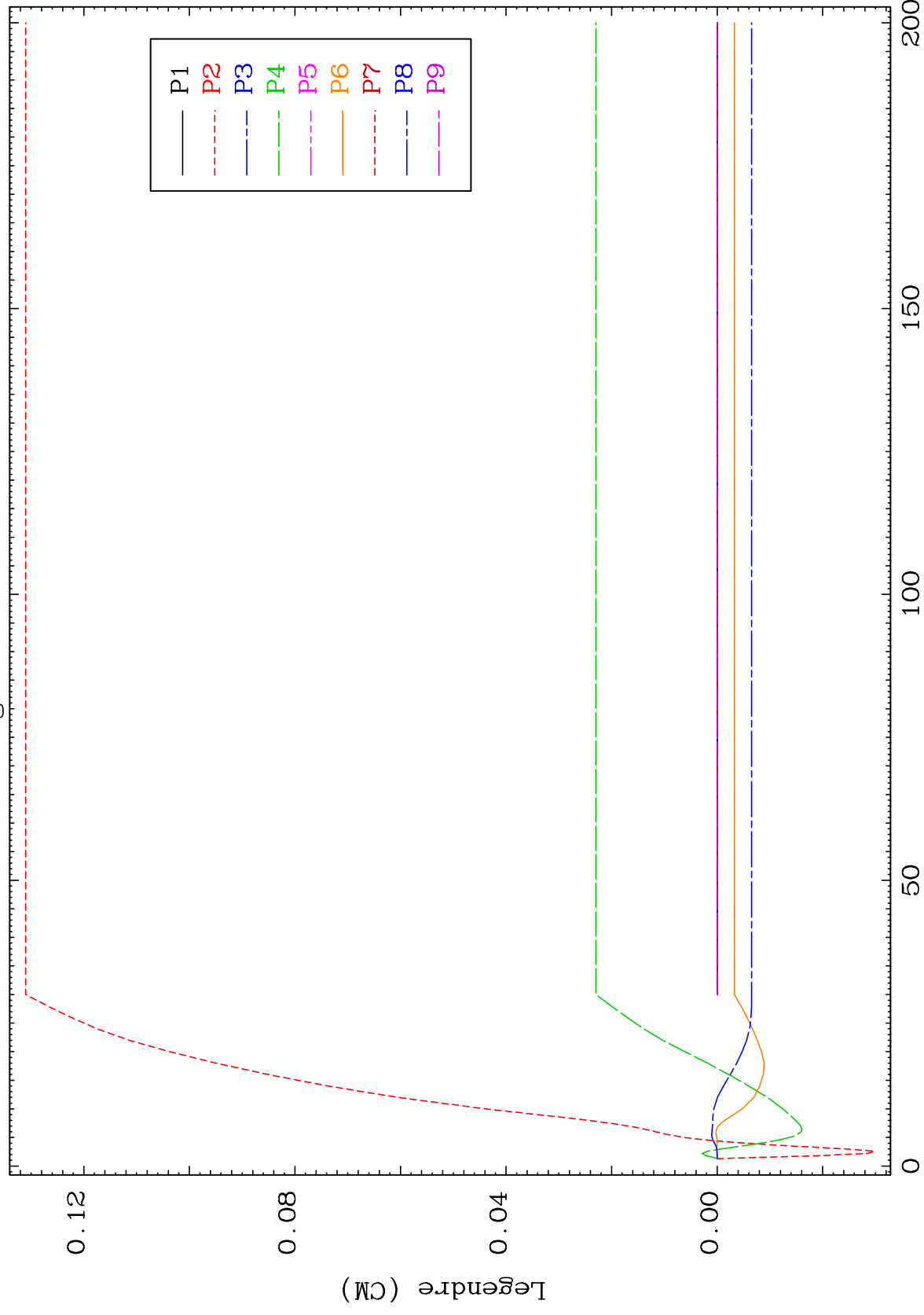




MAT 5425

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

54-Xe-124



54-Xe-124

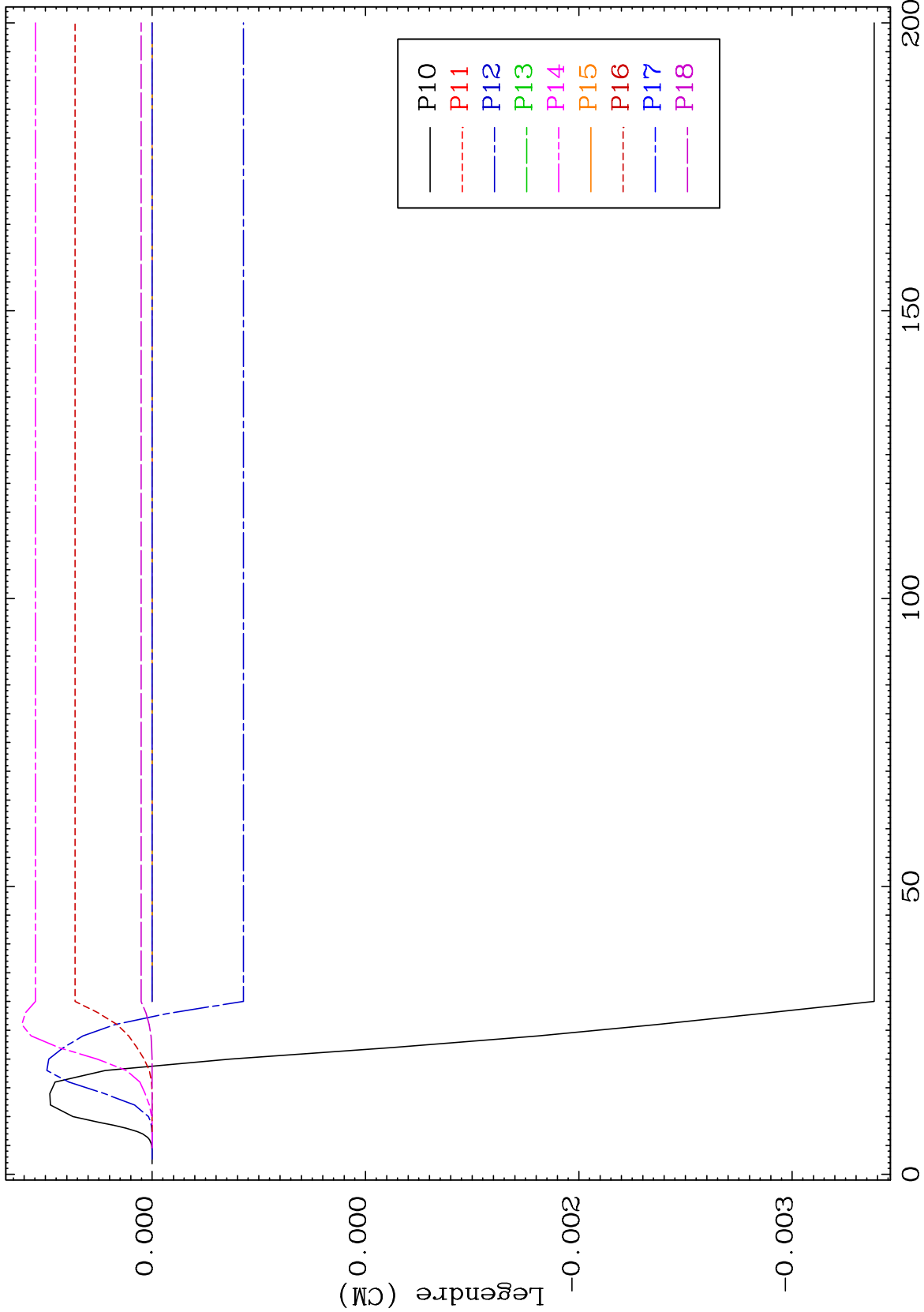
Incident Energy (MeV)

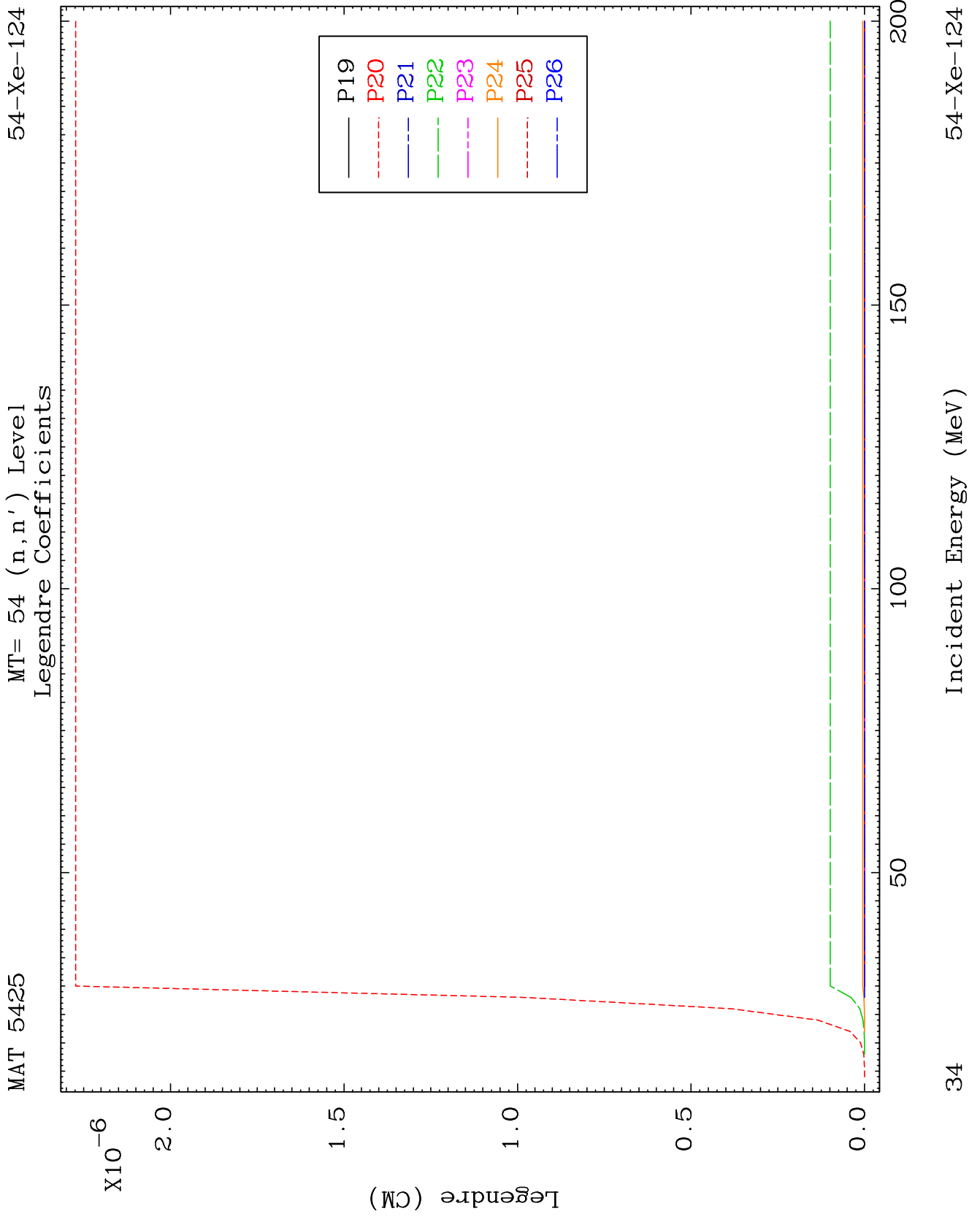
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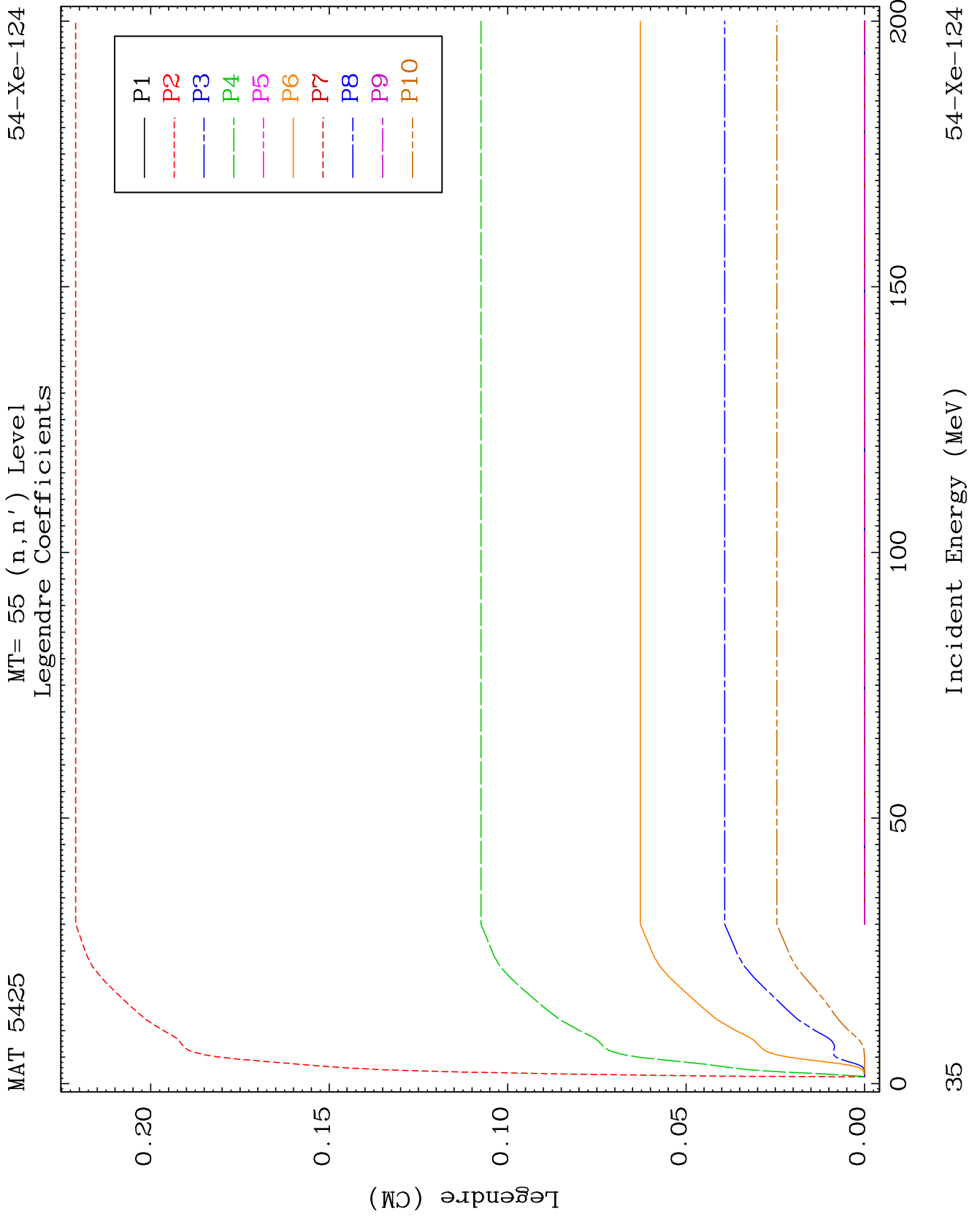
MAT 5425

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

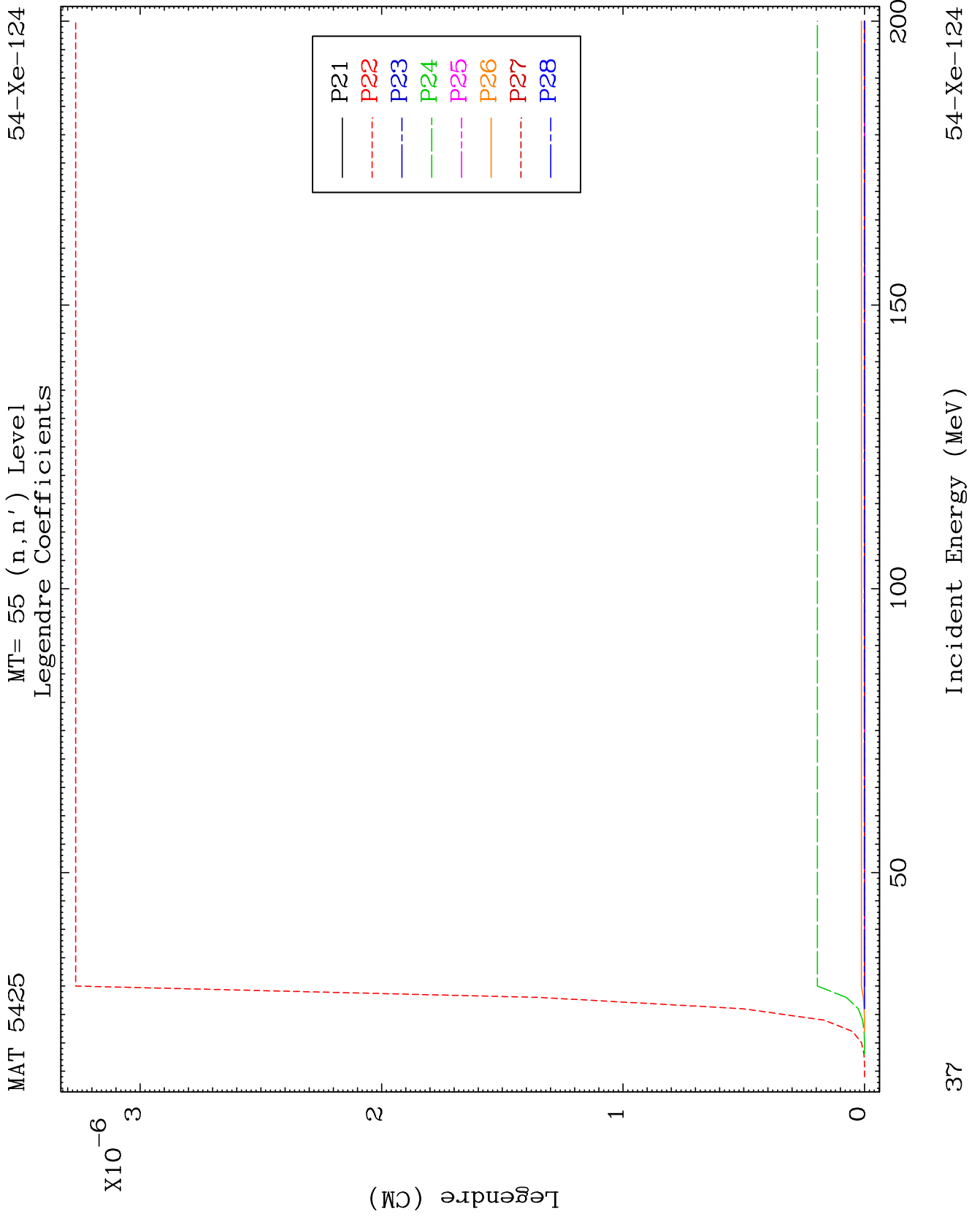
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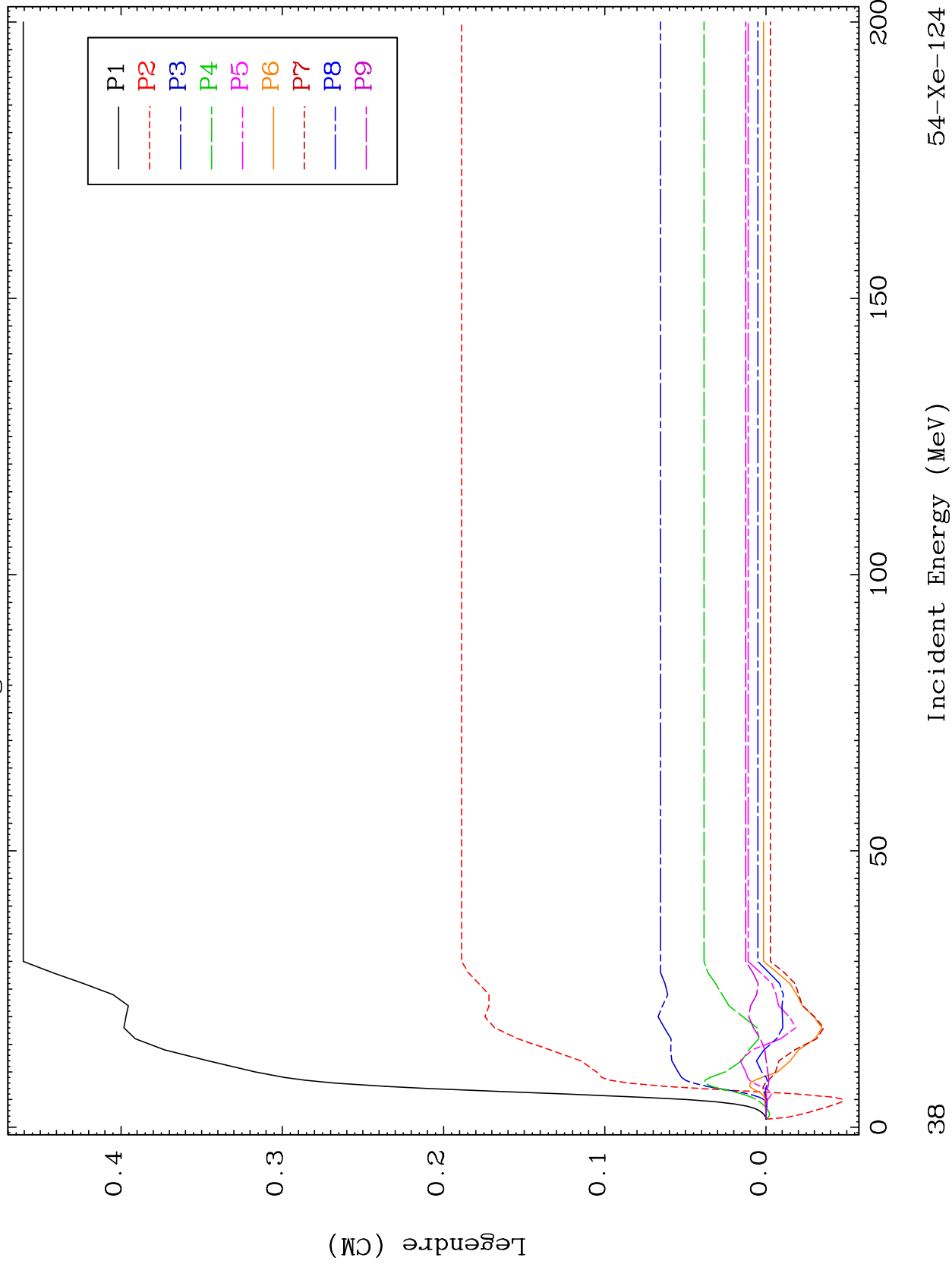




MAT 5425

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

54-Xe-124



54-Xe-124

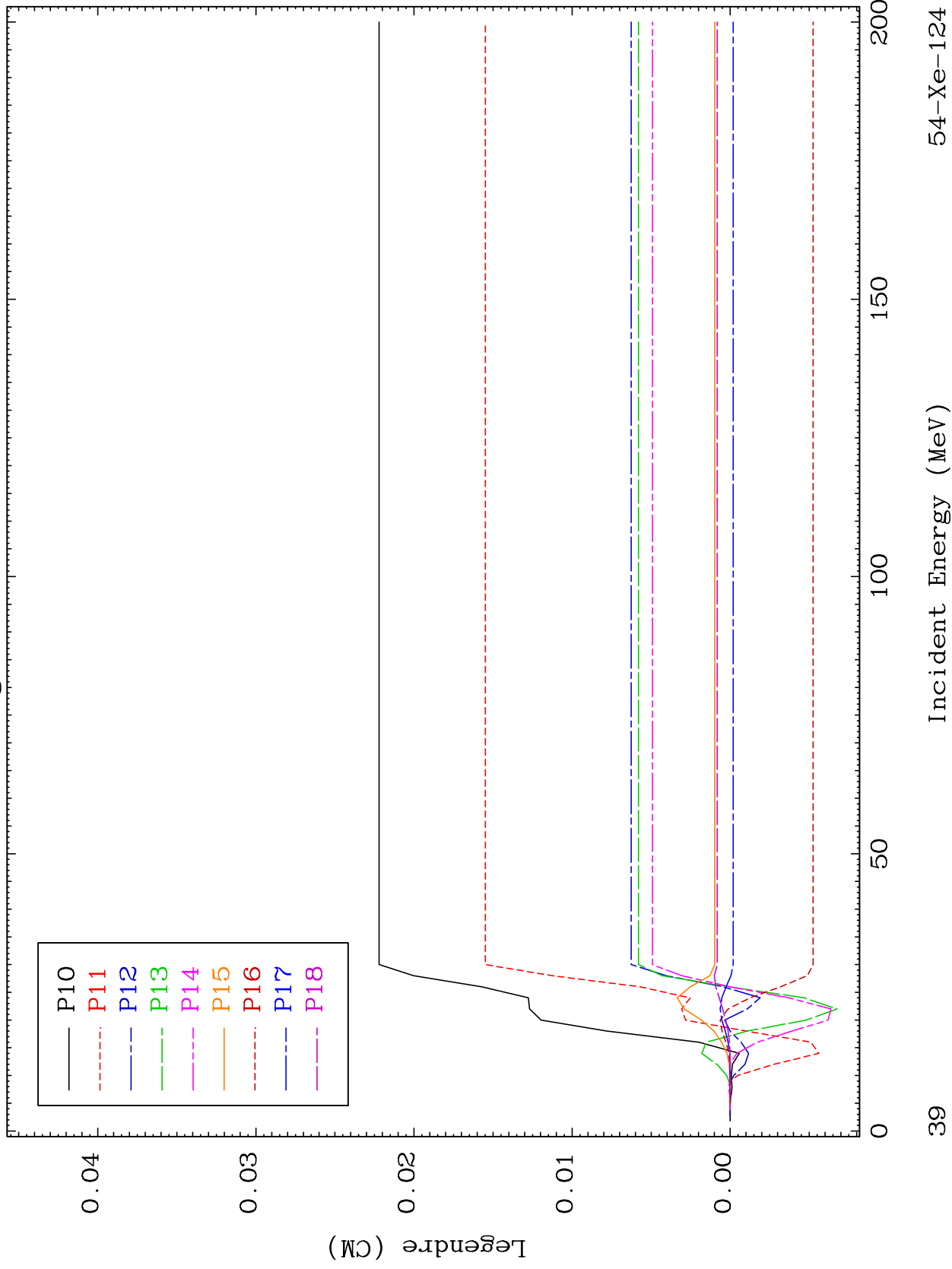
Incident Energy (MeV)

38

MAT 5425

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

54-Xe-124

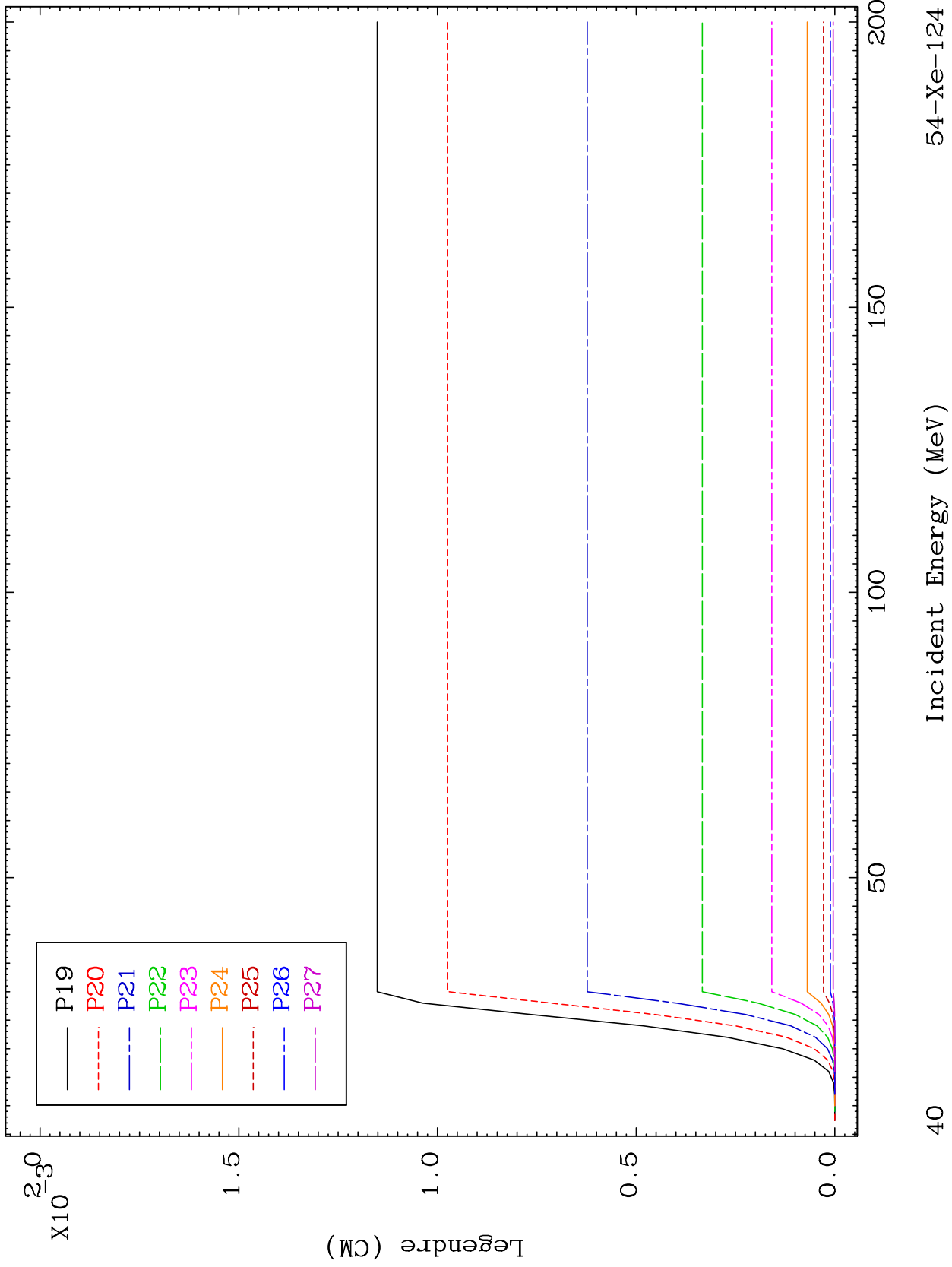




MAT 5425

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

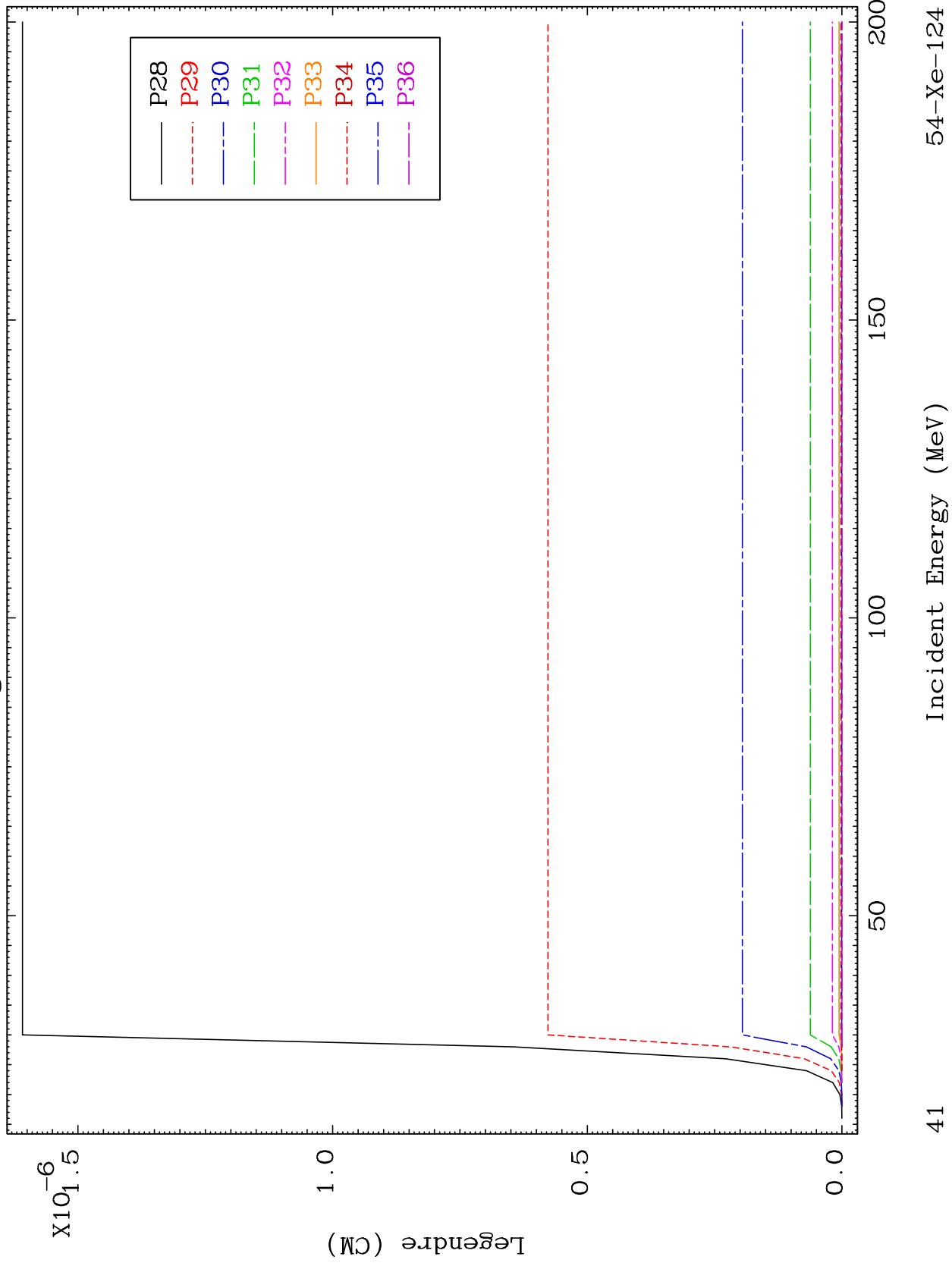
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MAT 5425

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

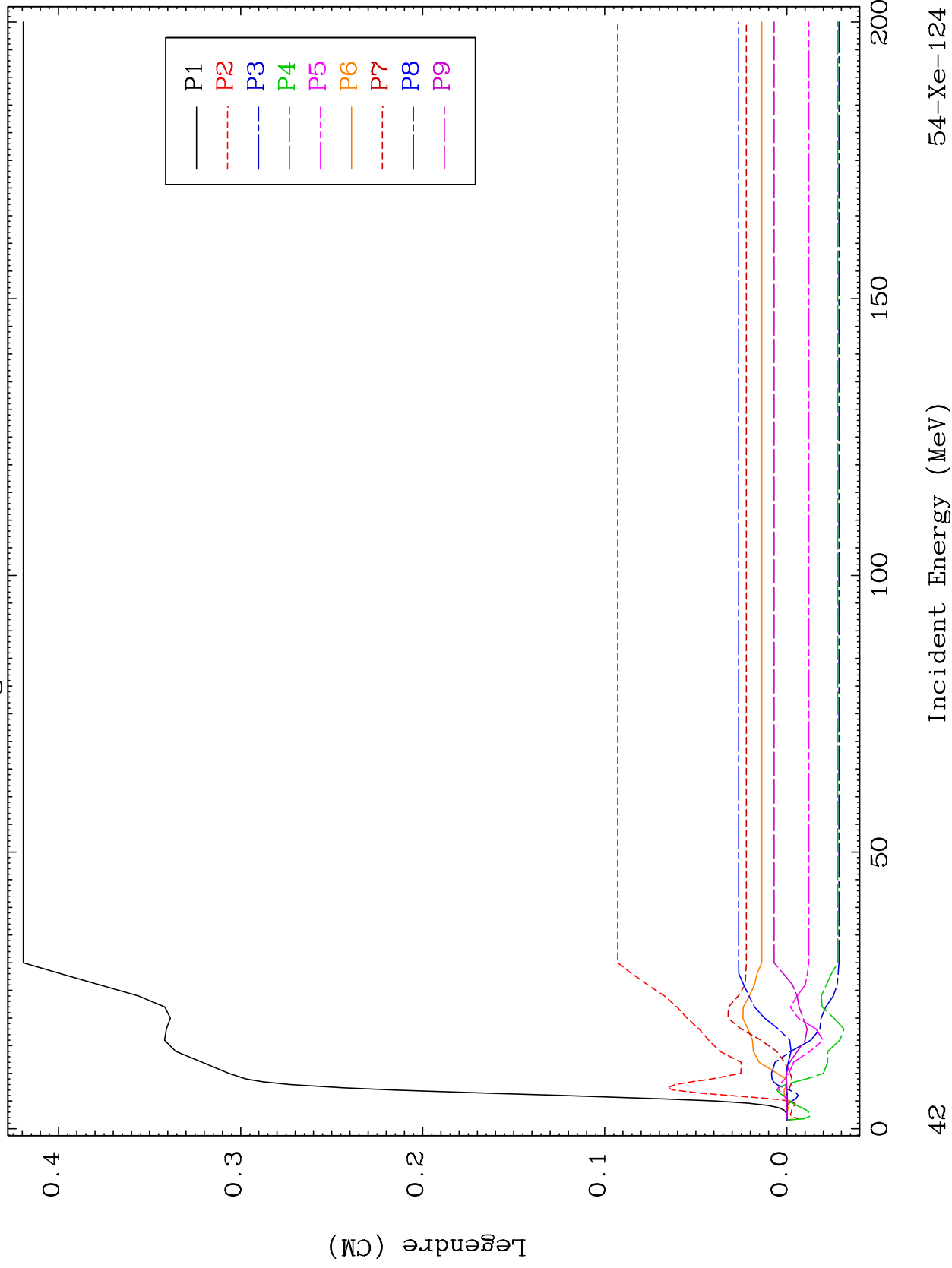
54-Xe-124



MAT 5425

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

54-Xe-124

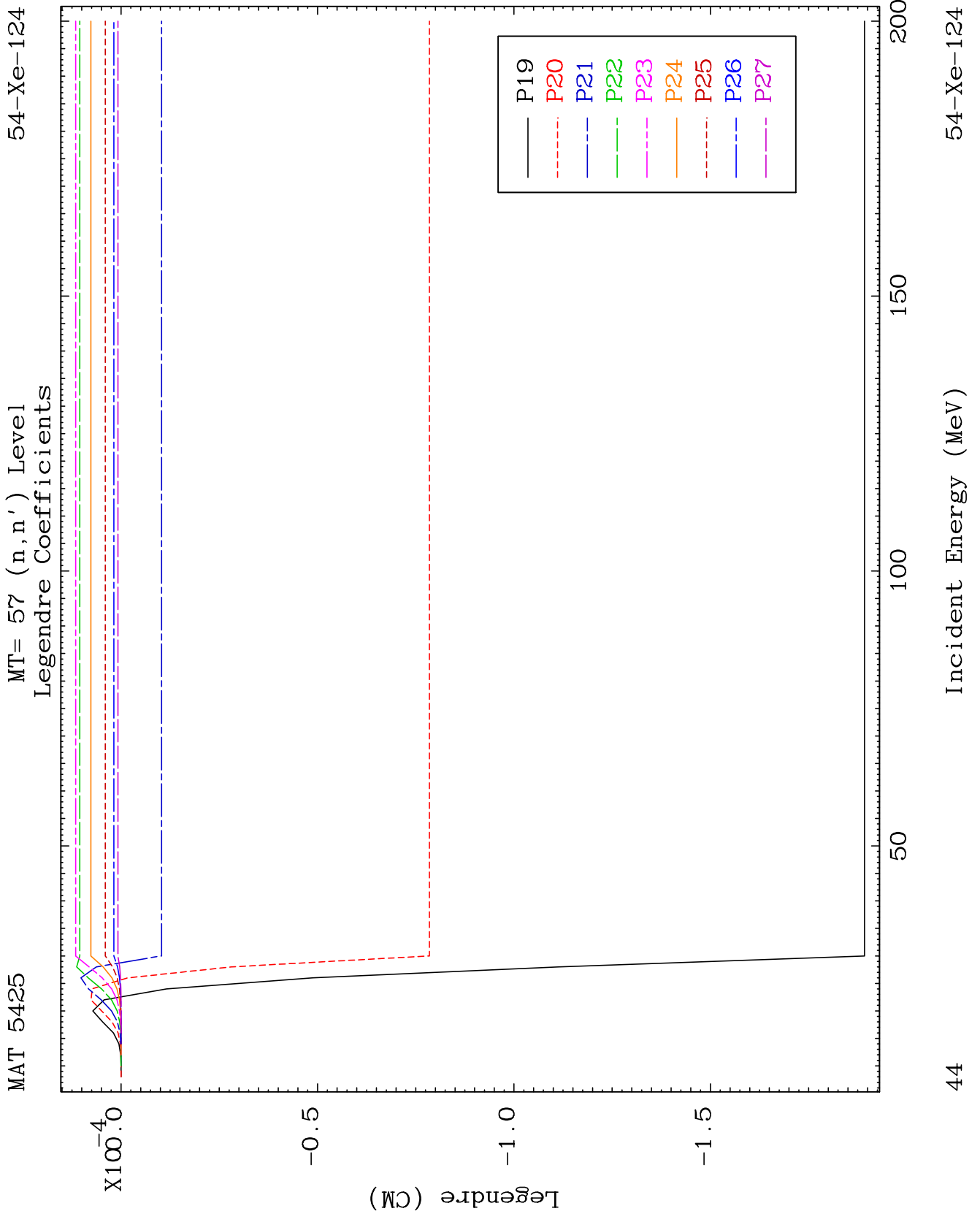


54-Xe-124

Incident Energy (MeV)

42

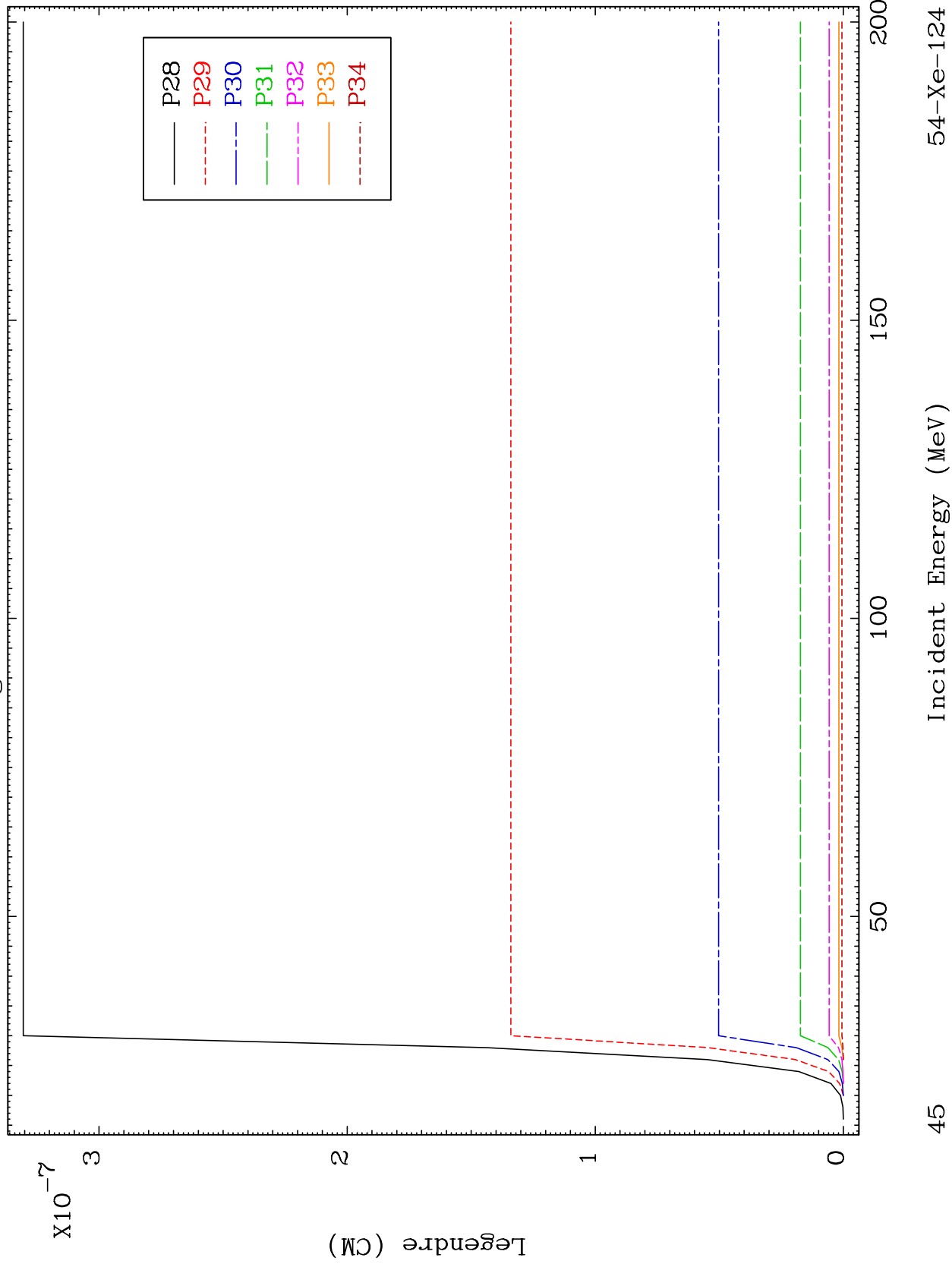


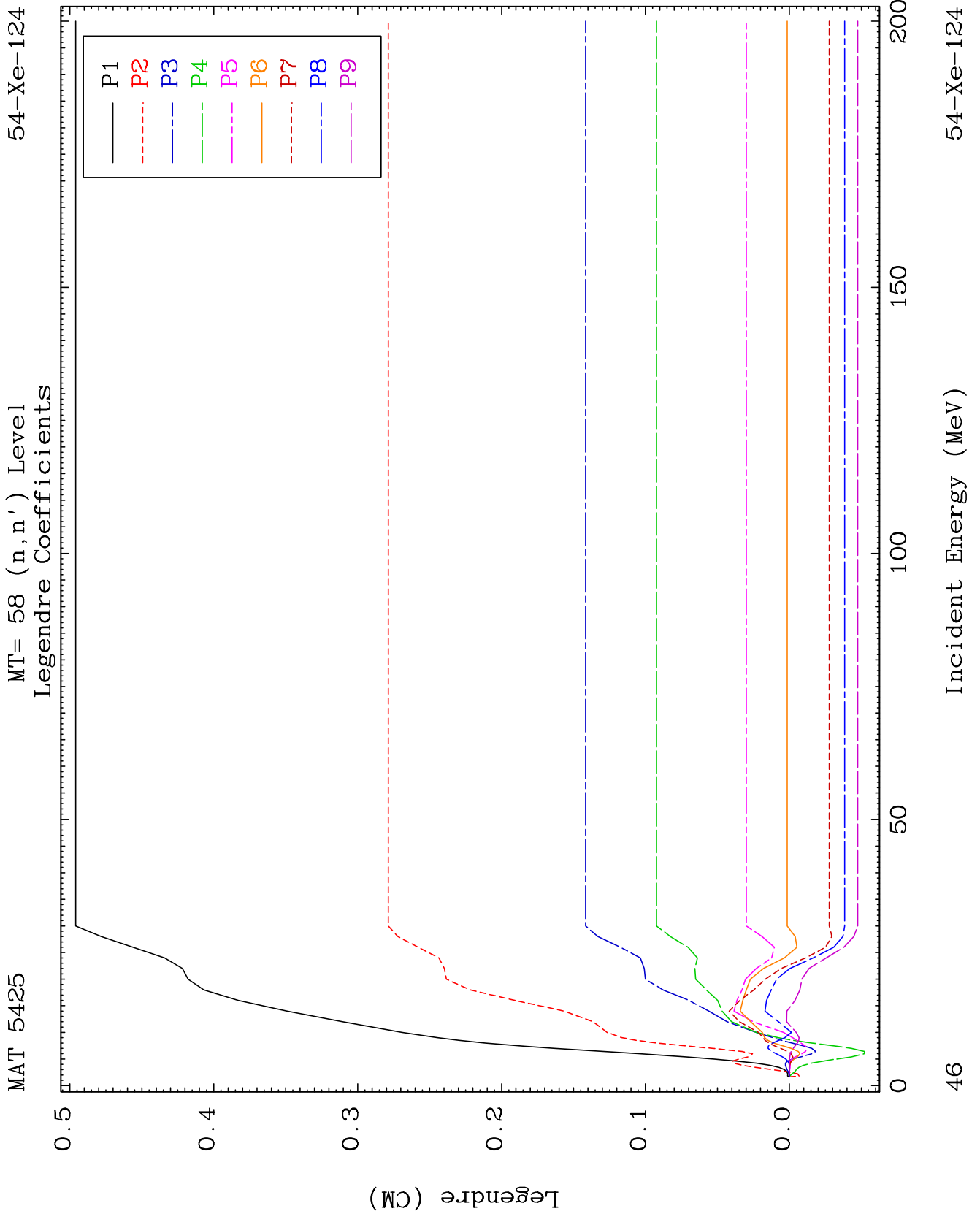


MAT 5425

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

54-Xe-124

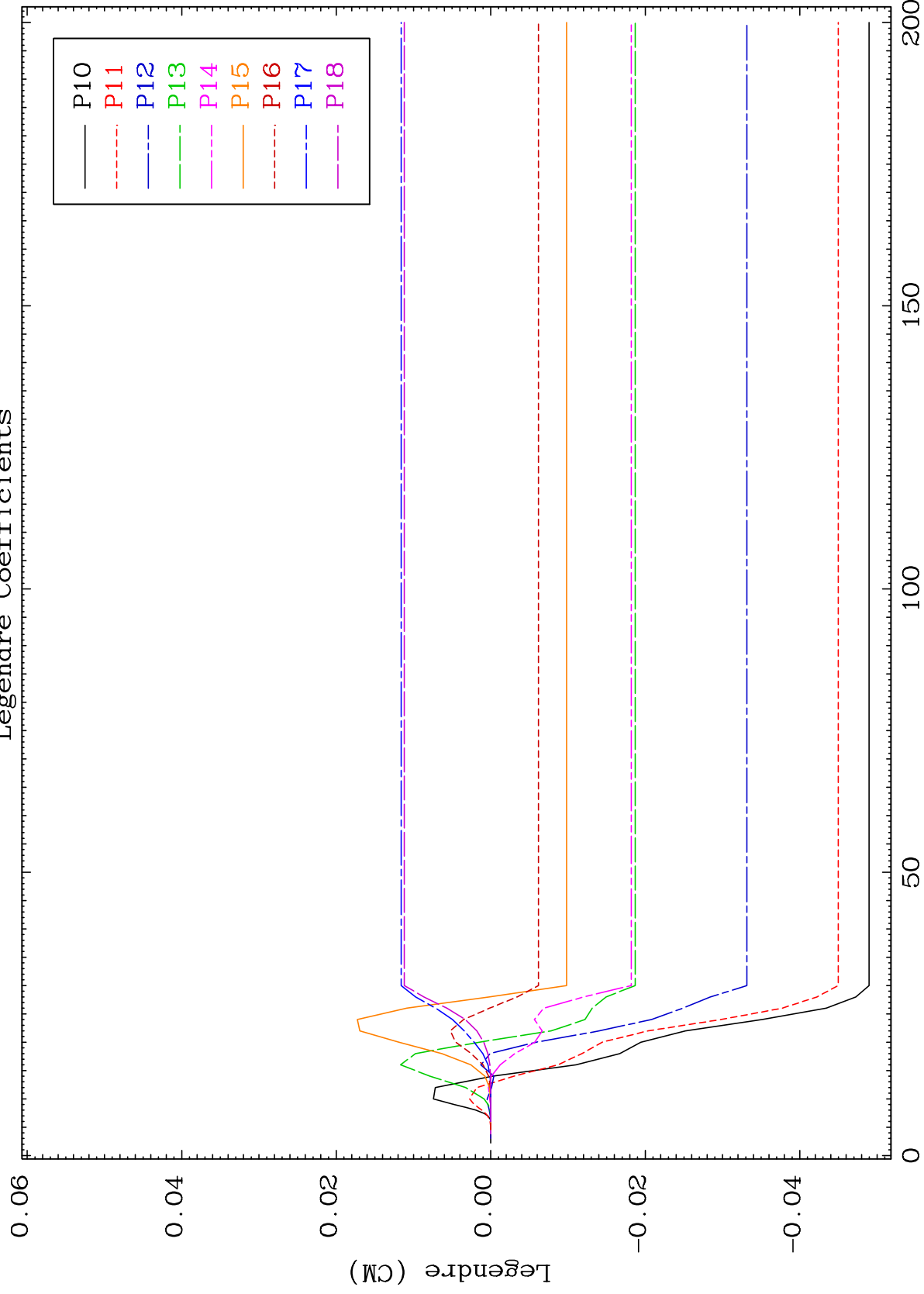




MAT 5425

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

54-Xe-124



47

Incident Energy (MeV)

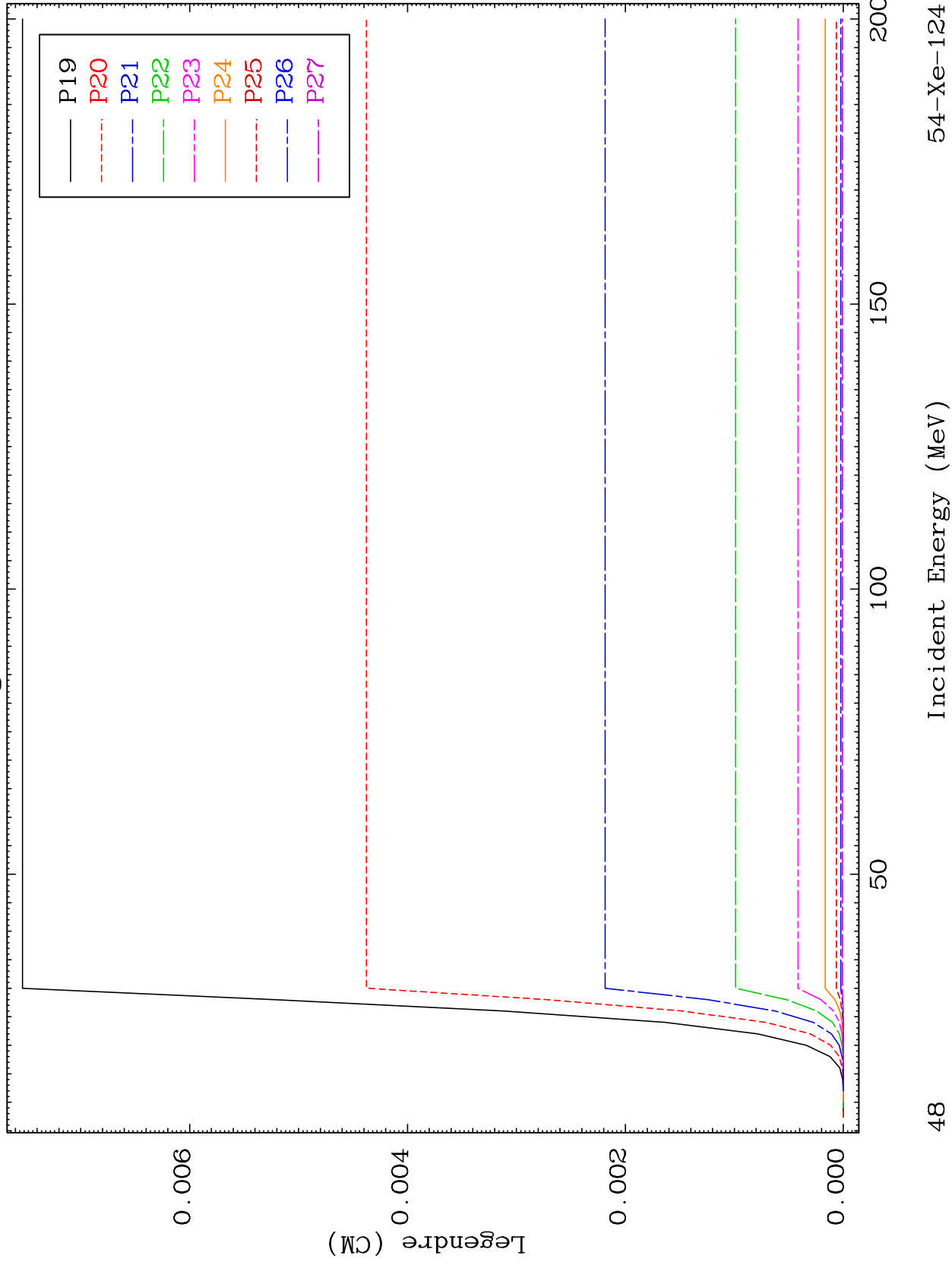
54-Xe-124



MAT 5425

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

54-Xe-124



48

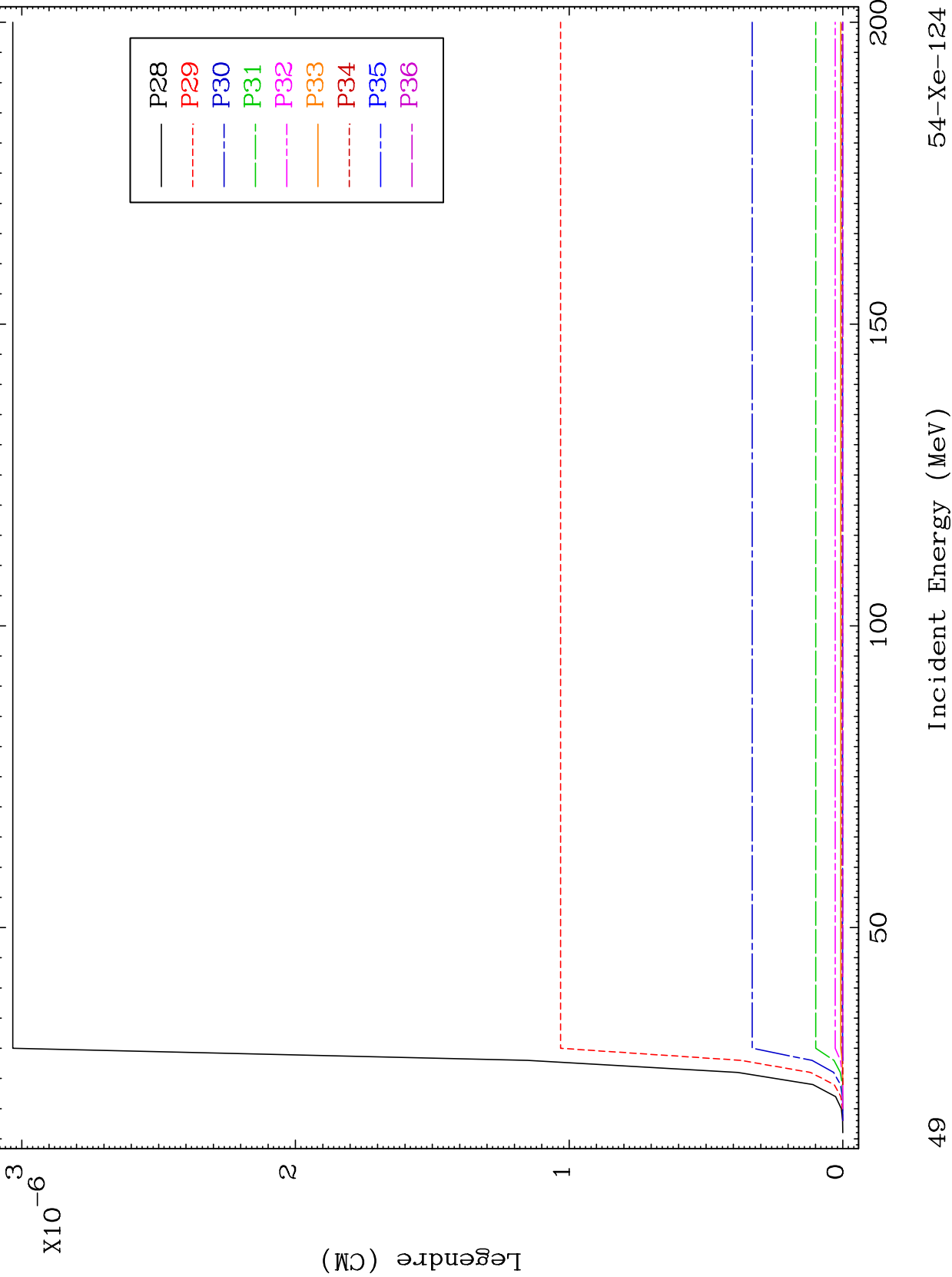
Incident Energy (MeV)

54-Xe-124

MAT 5425

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

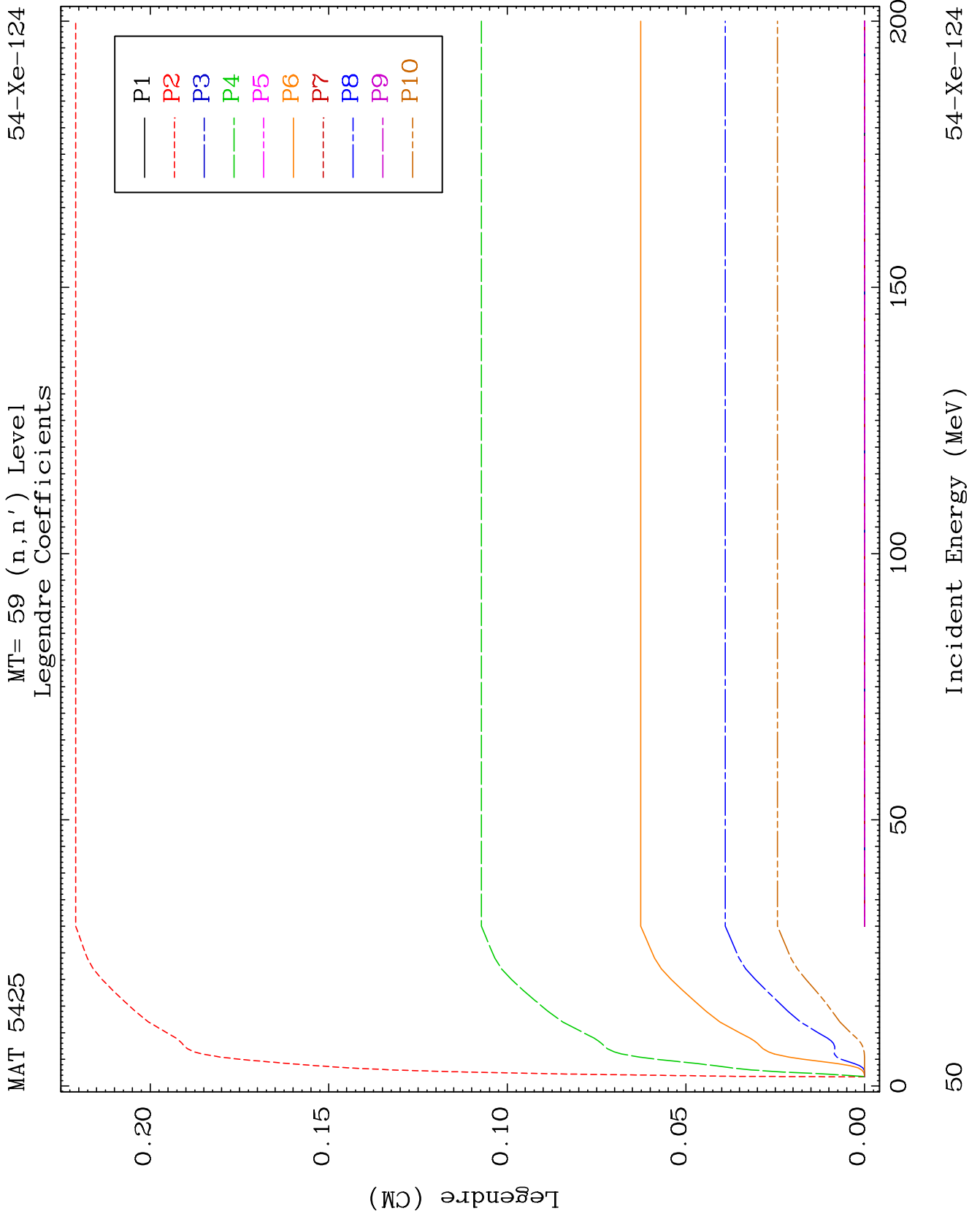
54-Xe-124



49

Incident Energy (MeV)

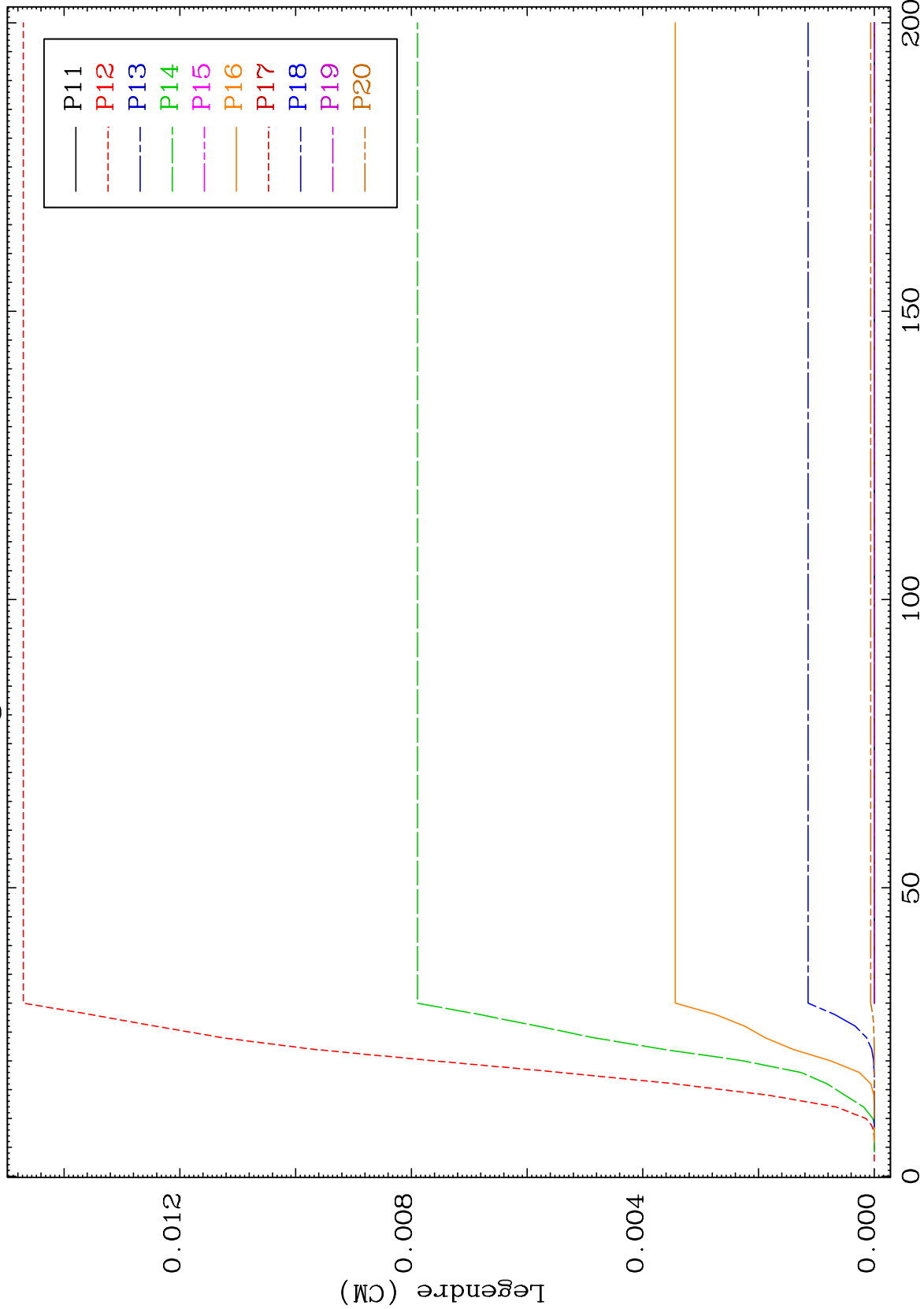
54-Xe-124



MAT 5425

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

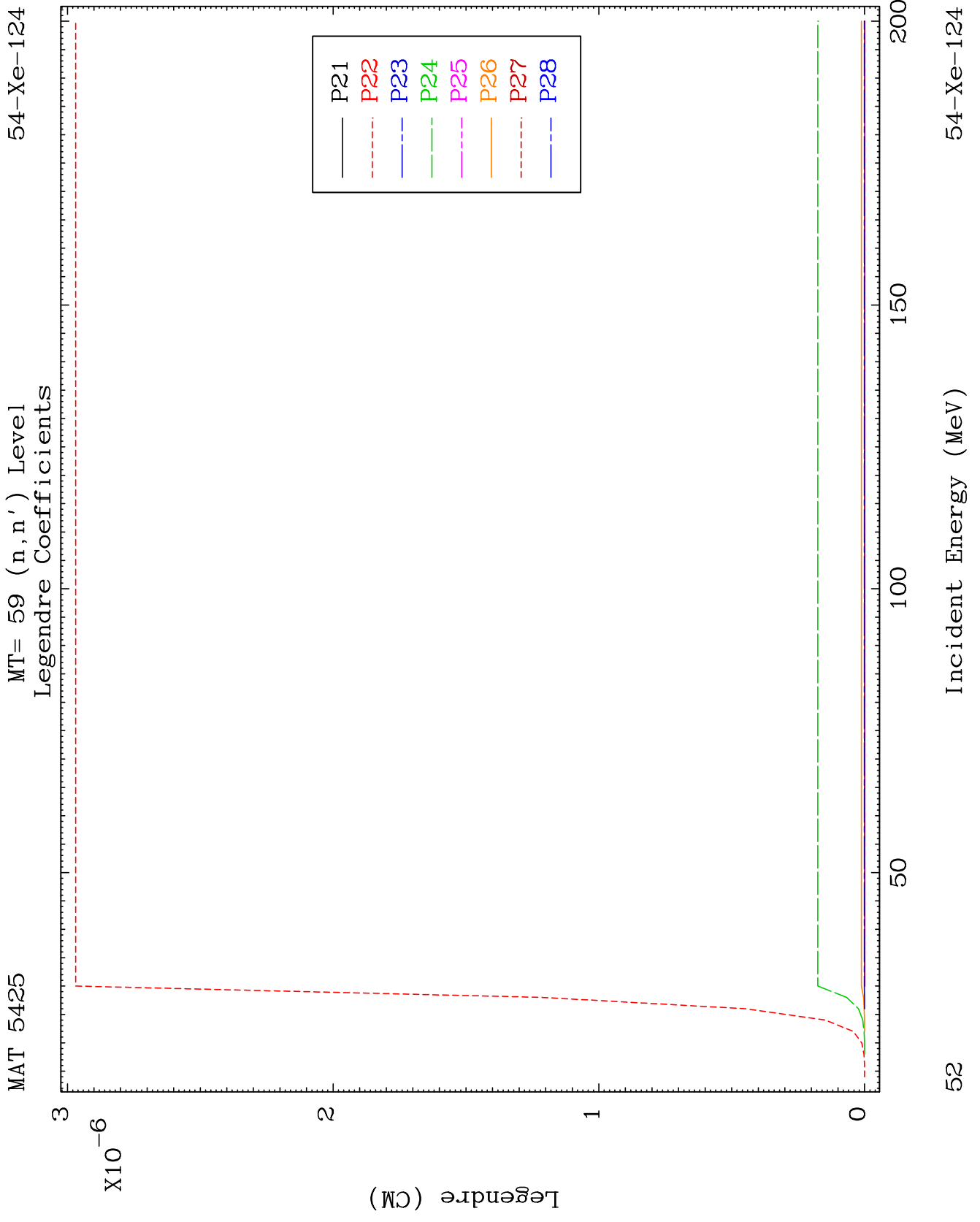
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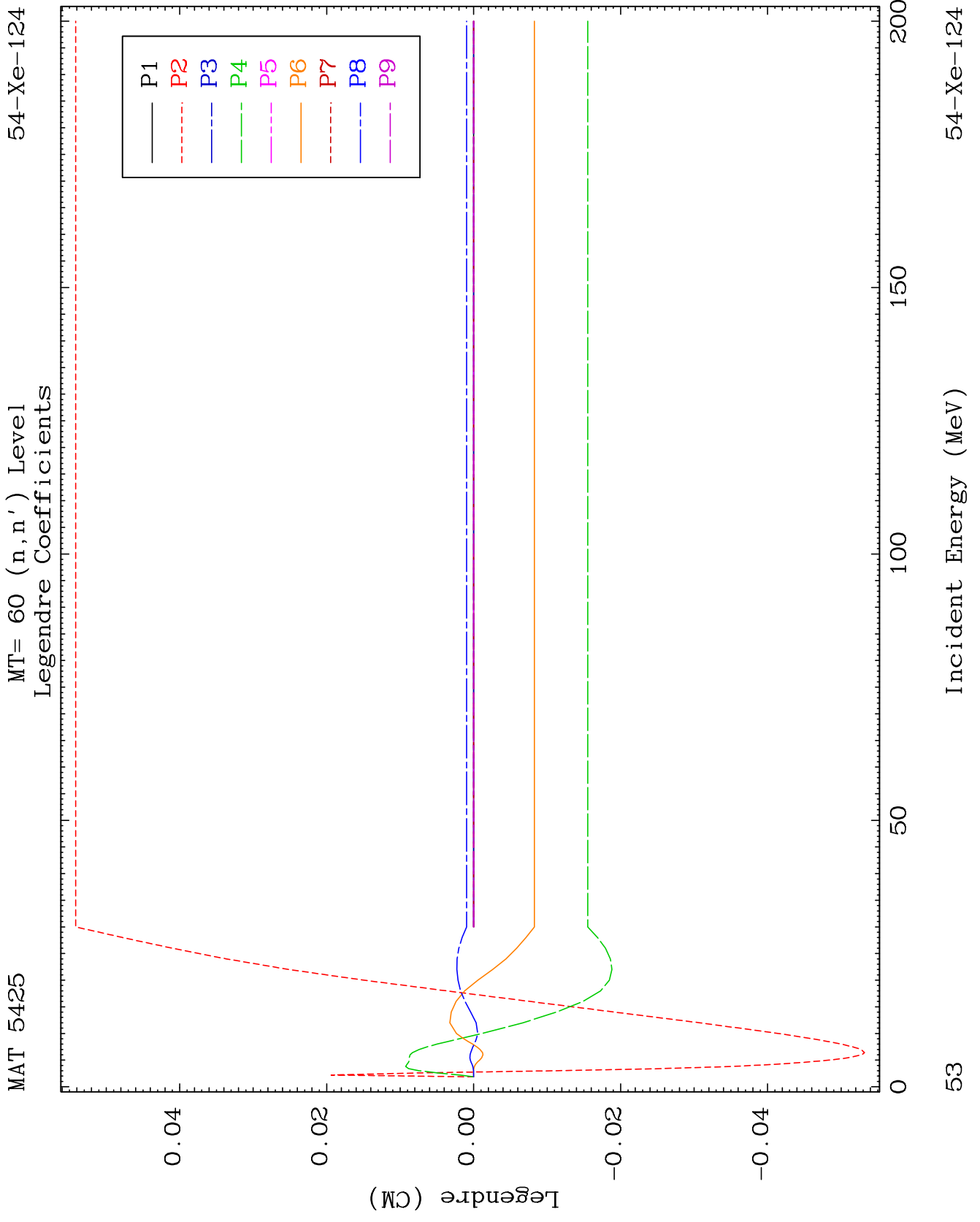


51

Incident Energy (MeV)

54-Xe-124

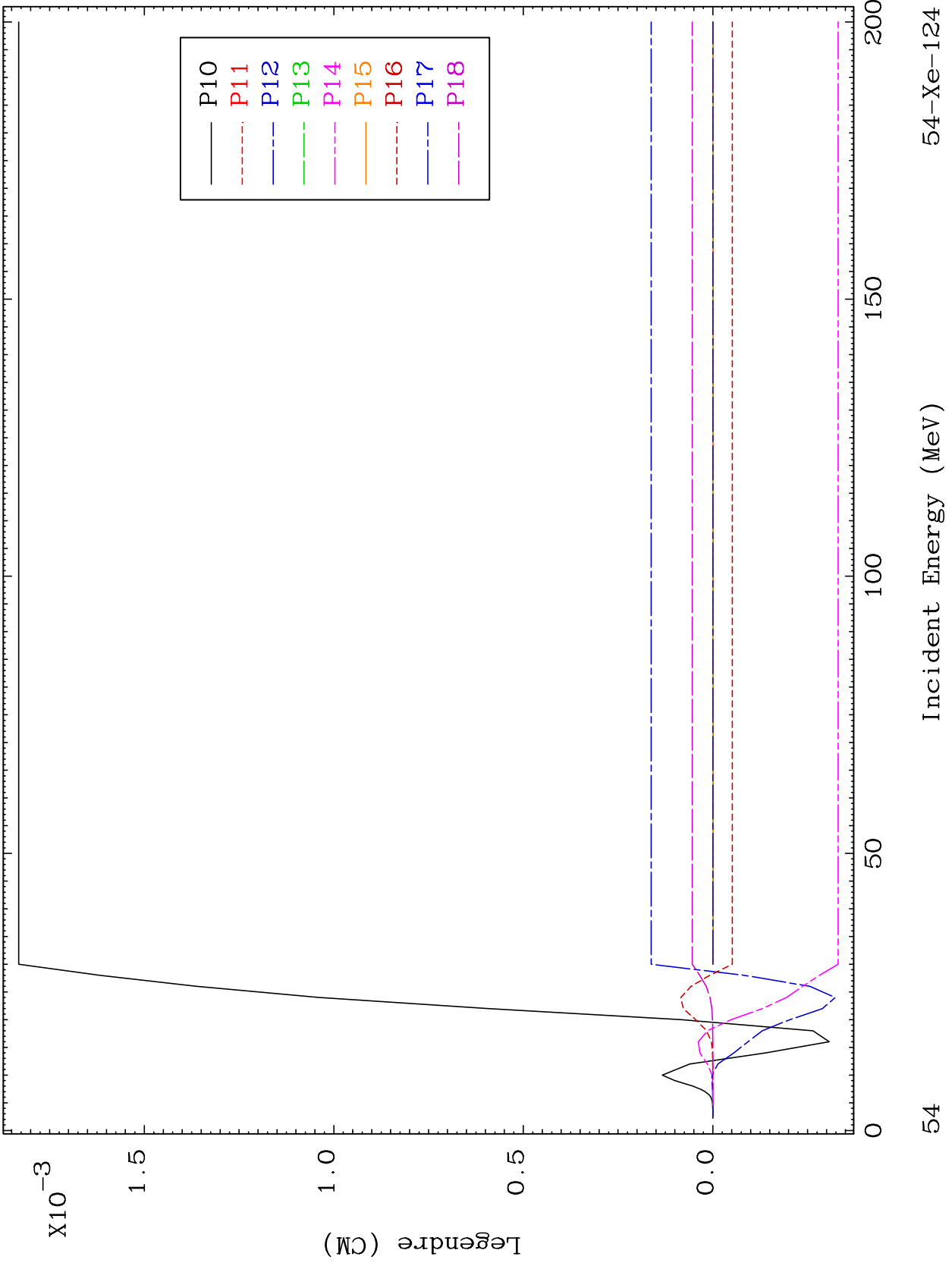




MAT 5425

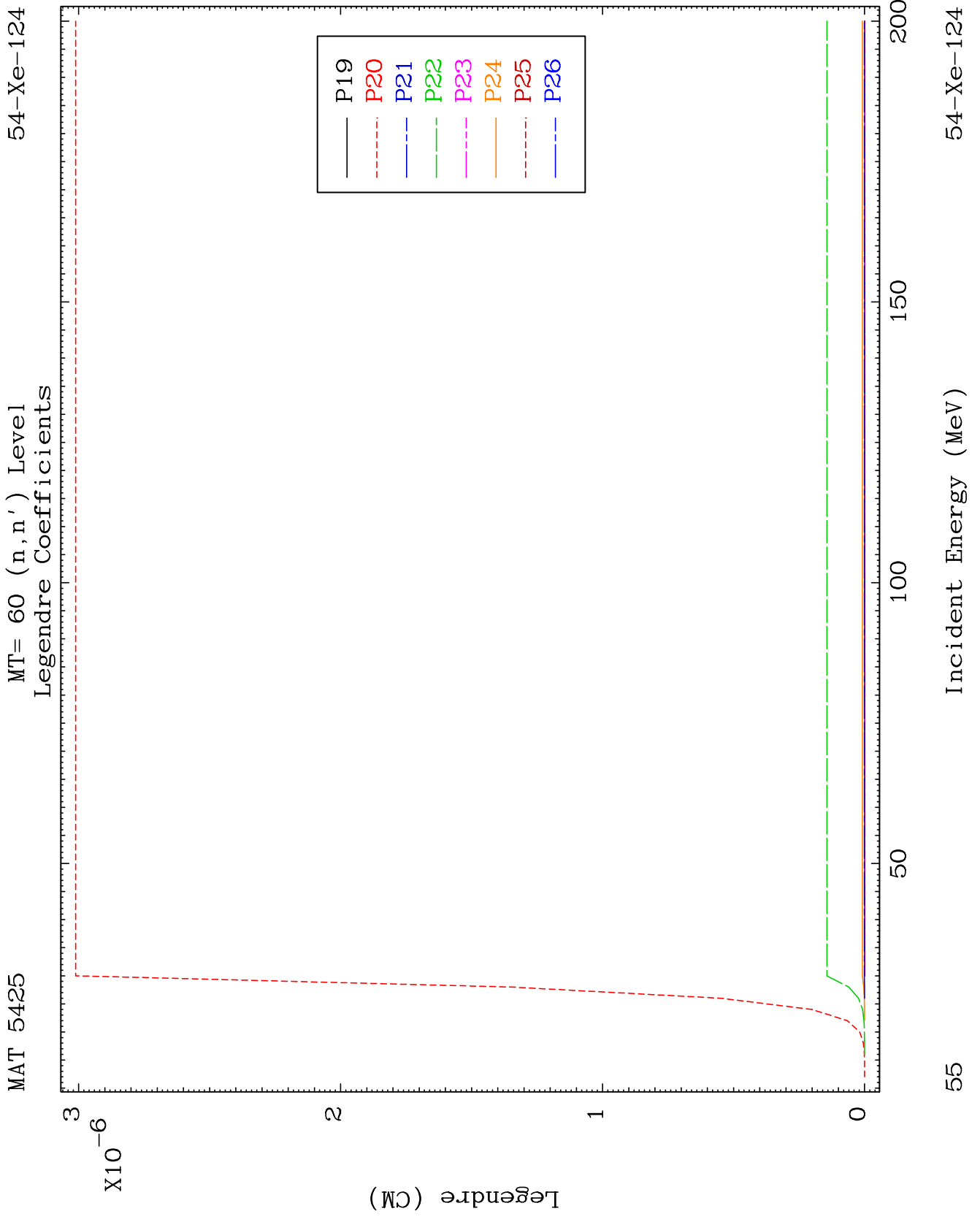
MT= 60 (n,n') Level  
Legendre Coefficients

54-Xe-124



54

54-Xe-124

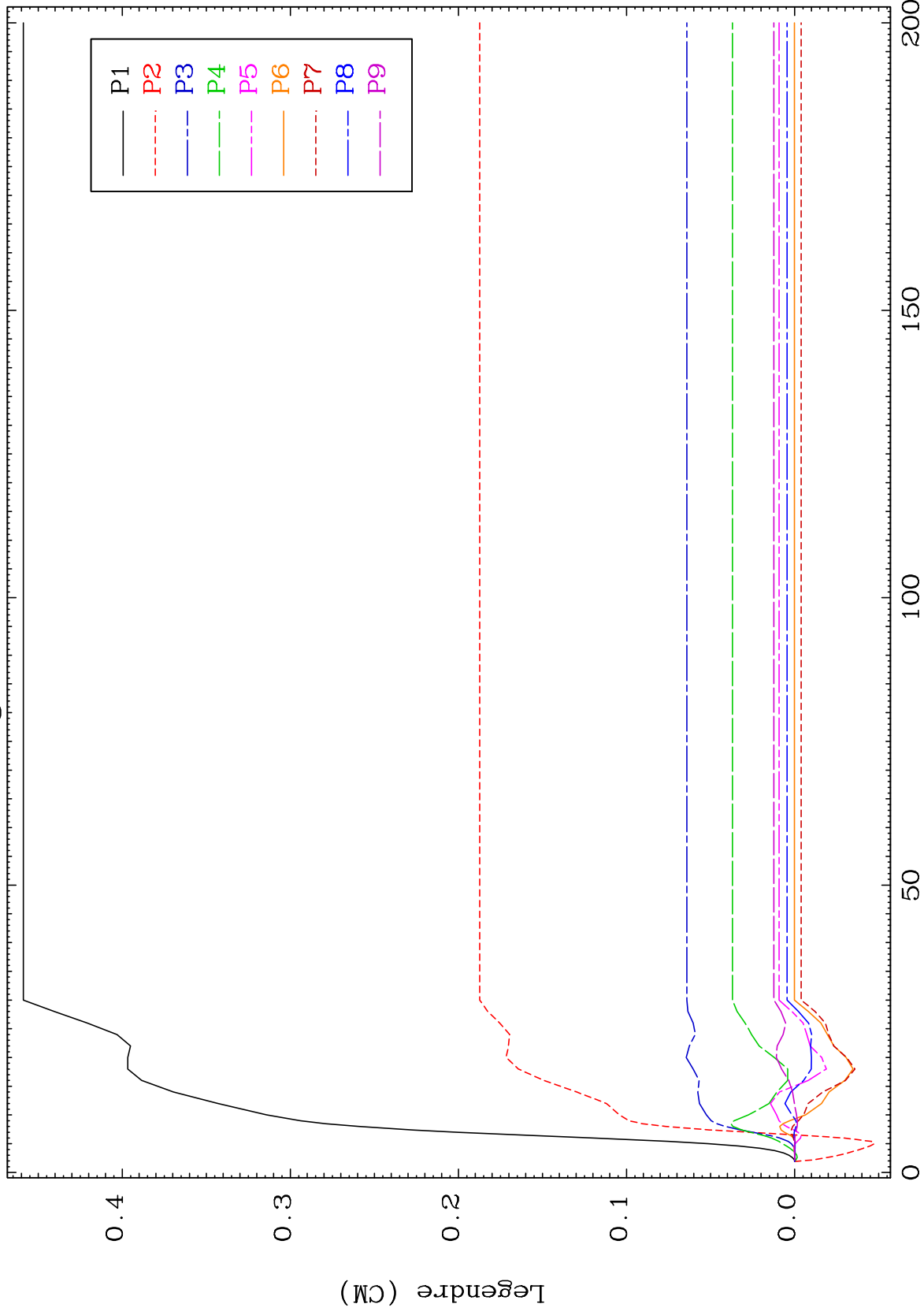




MAT 5425

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

54-Xe-124



56

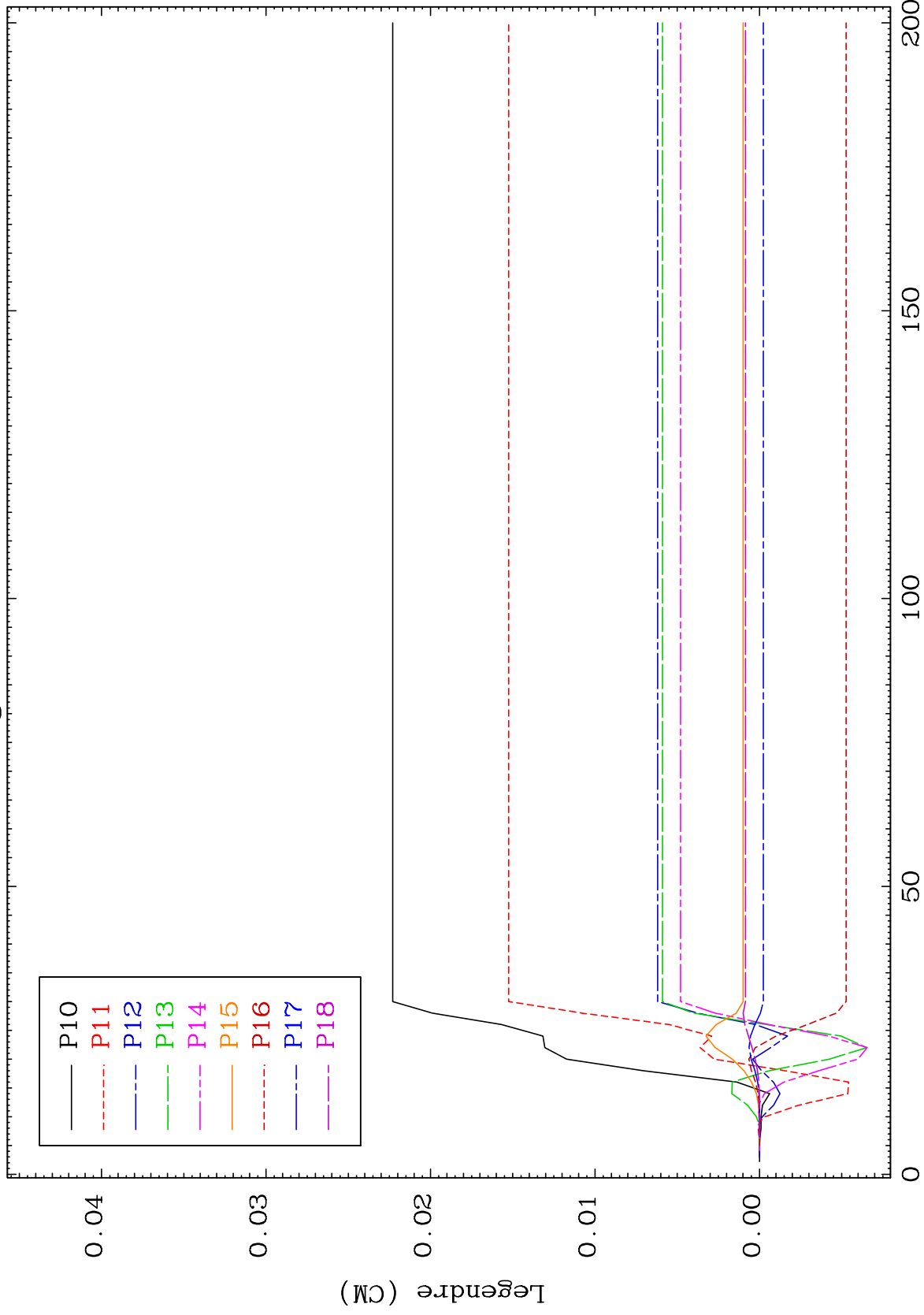
Incident Energy (MeV)

54-Xe-124

MAT 5425

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

54-Xe-124



57

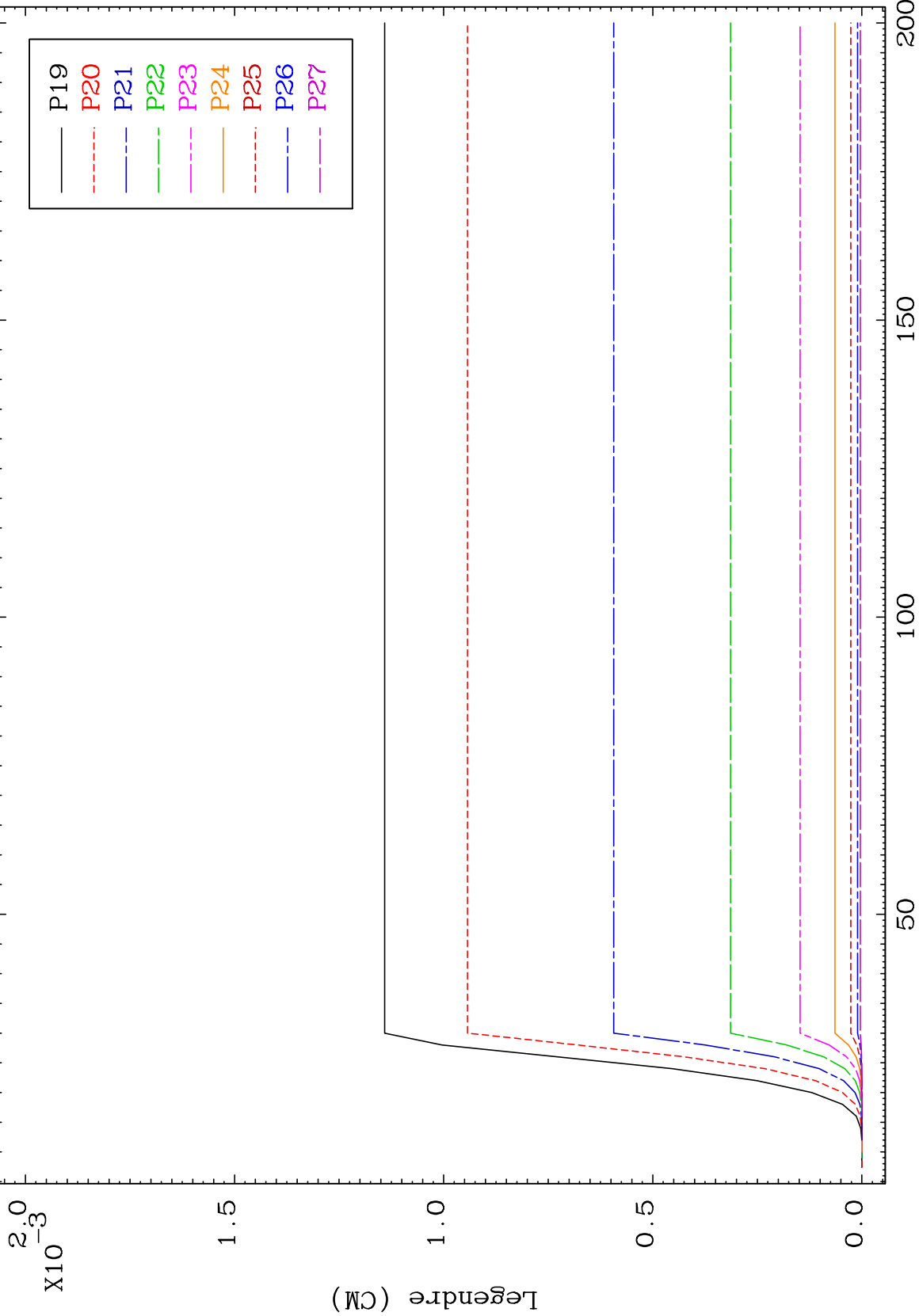
Incident Energy (MeV)

54-Xe-124

MAT 5425

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

54-Xe-124



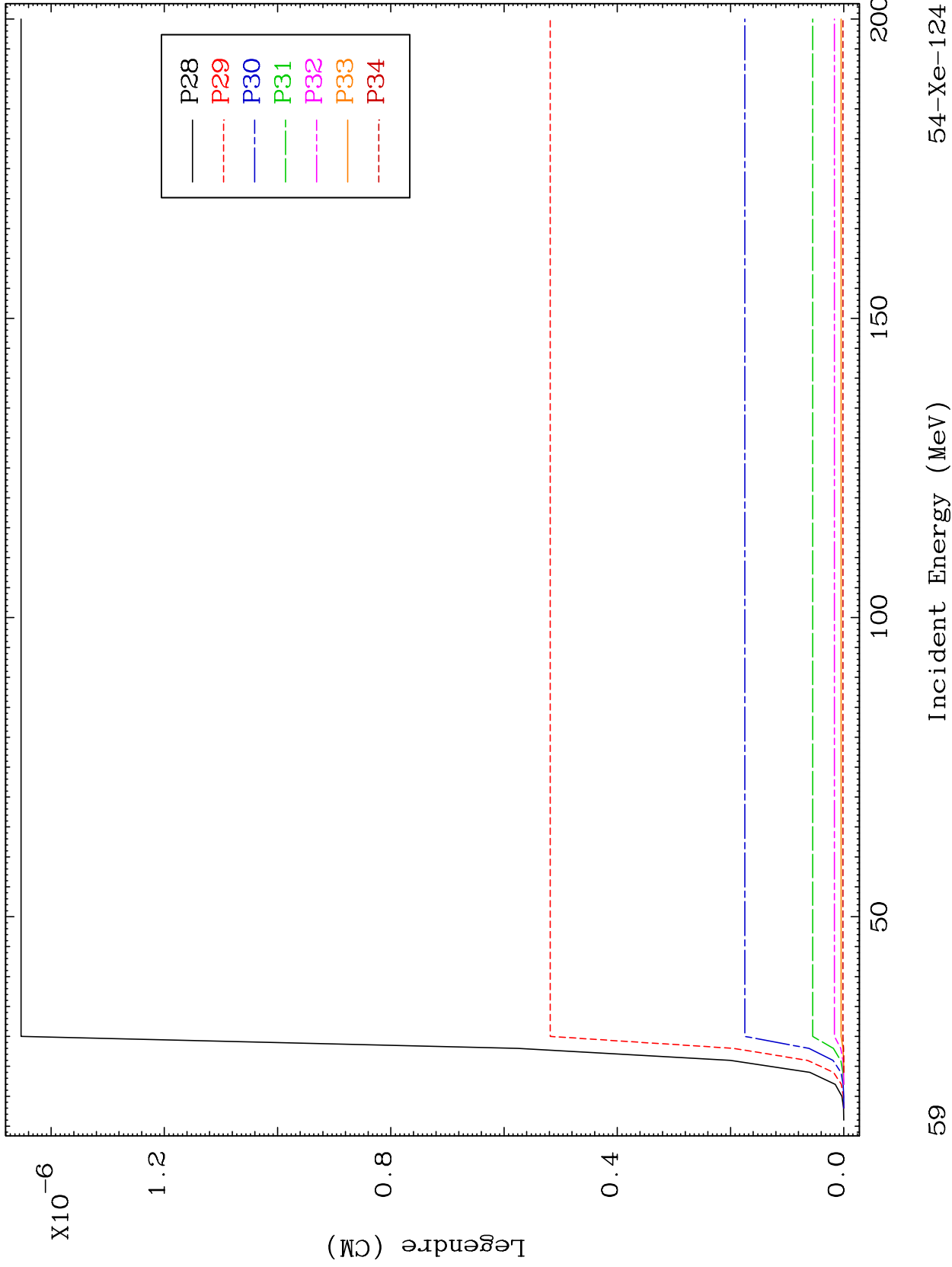
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54-Xe-124

MAT 5425

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

54-Xe-124



59

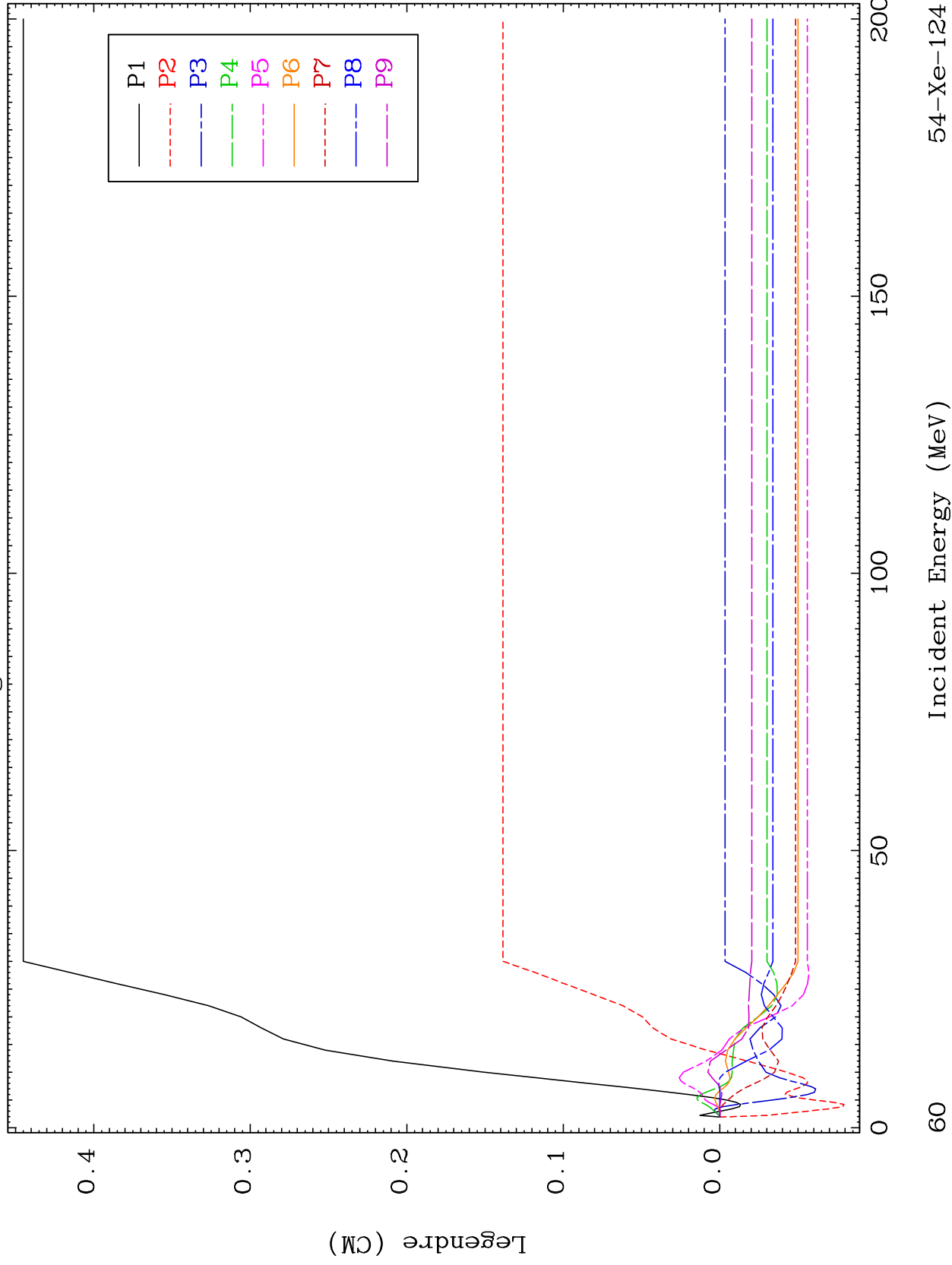
Incident Energy (MeV)

54-Xe-124

MAT 5425

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

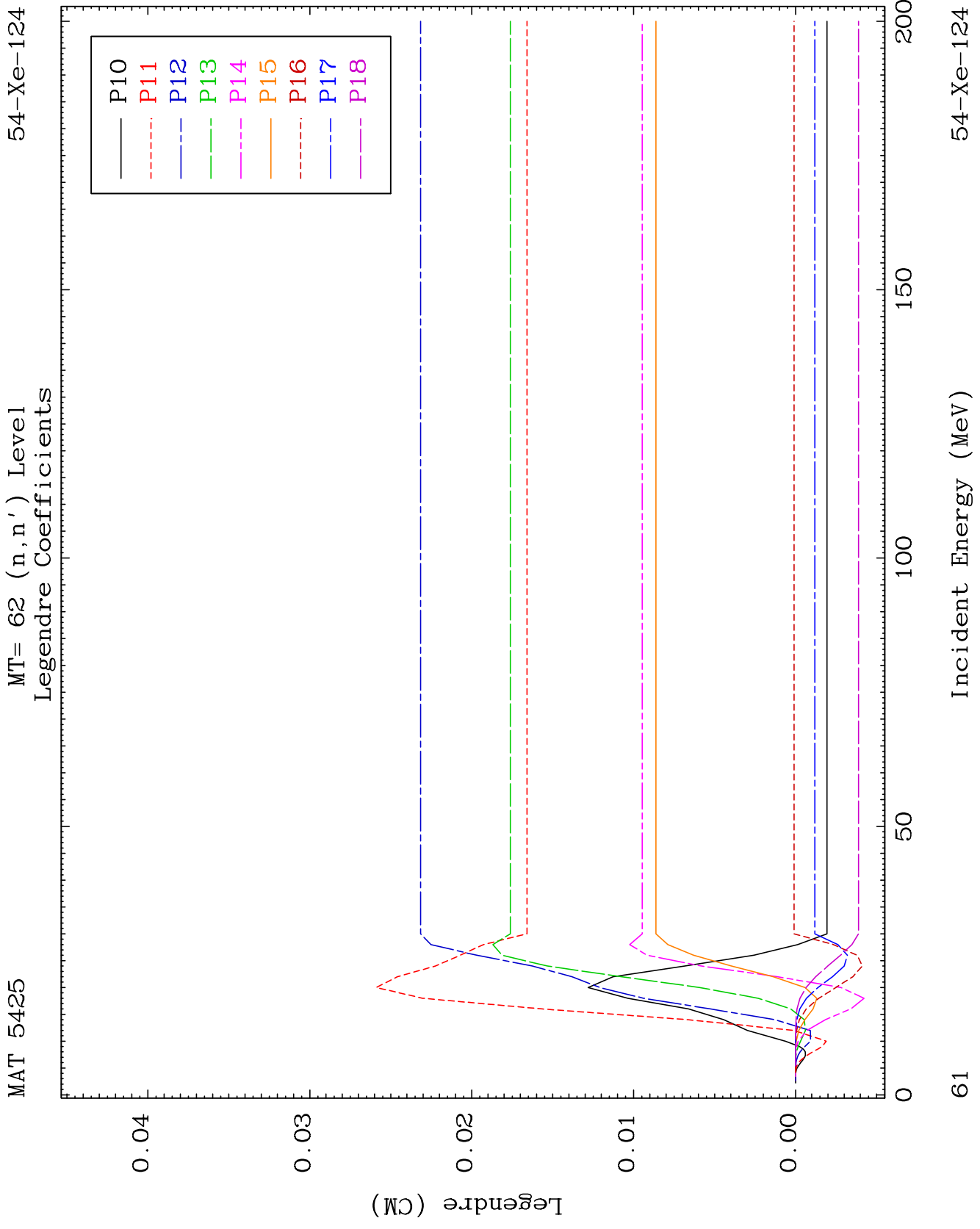
54-Xe-124



54-Xe-124

Incident Energy (MeV)

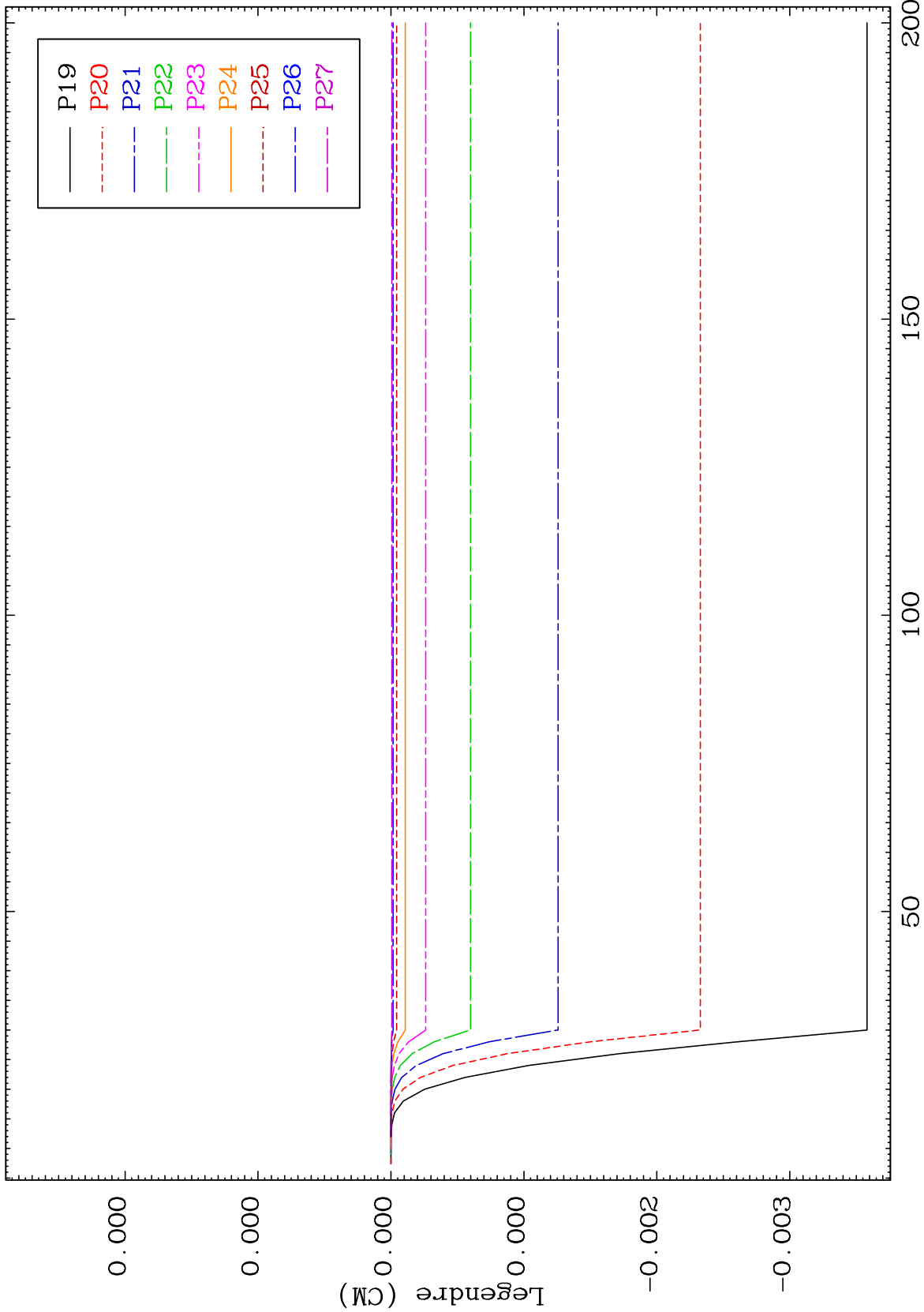
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MAT 5425

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

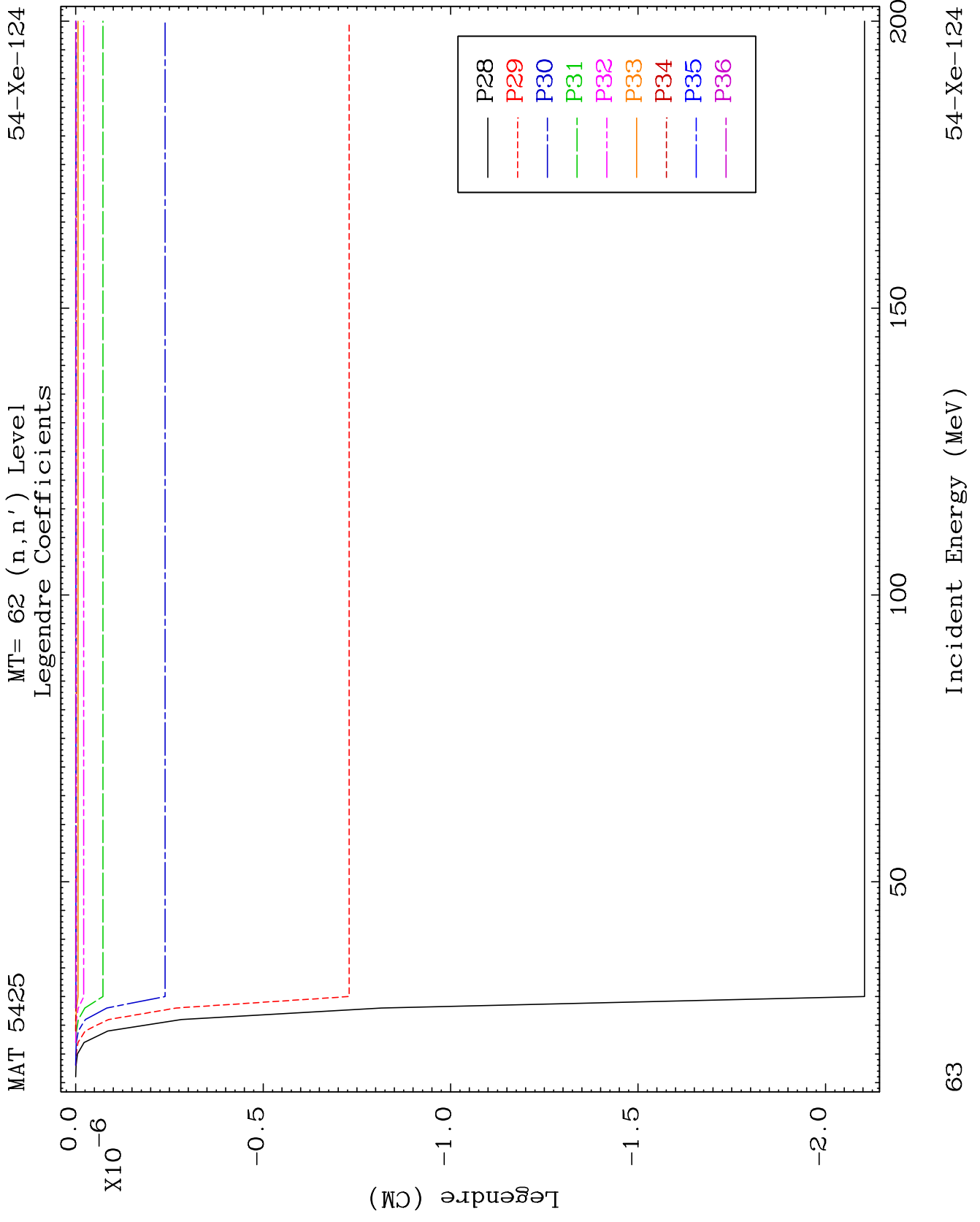
54-Xe-124



62

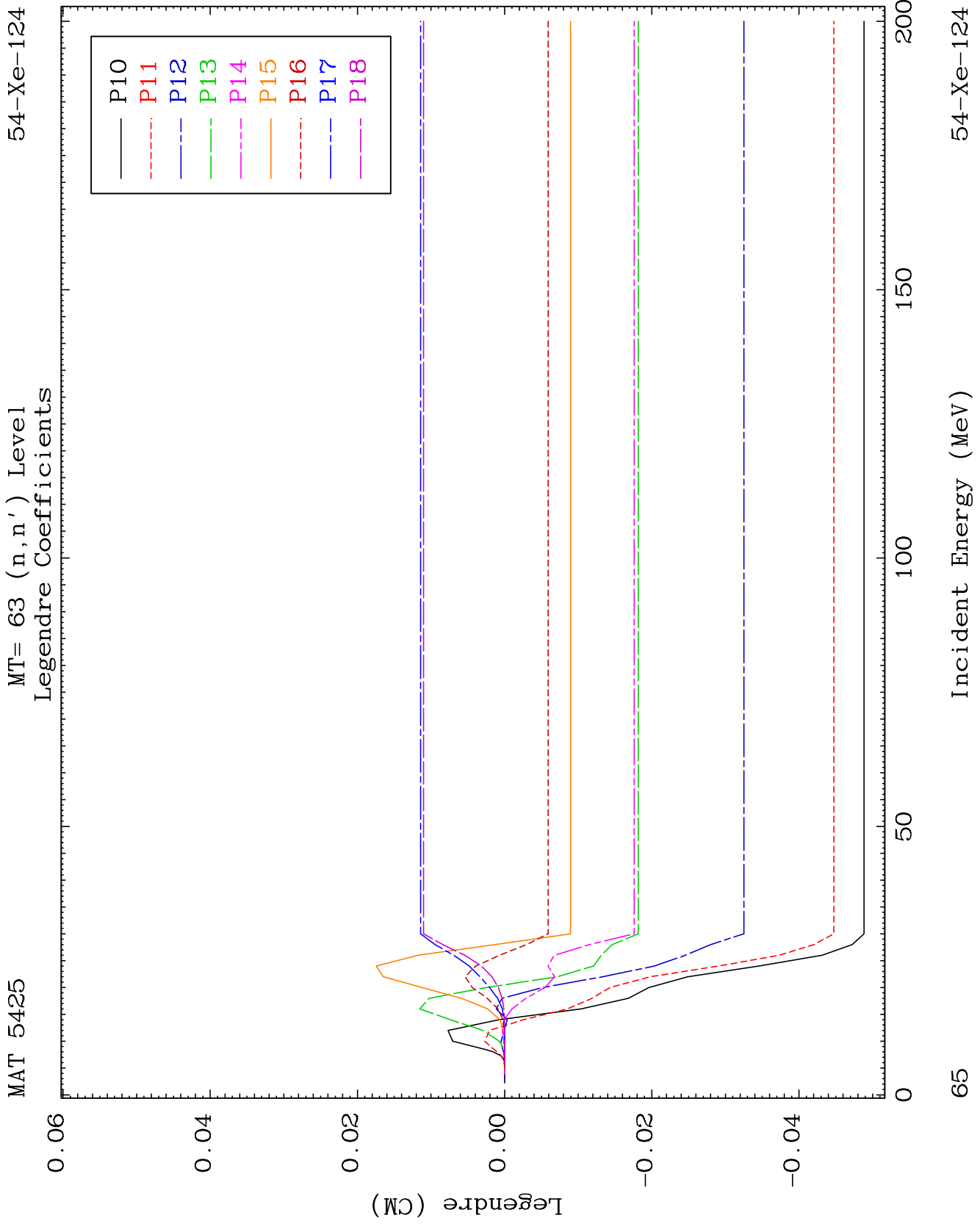
Incident Energy (MeV)

54-Xe-124





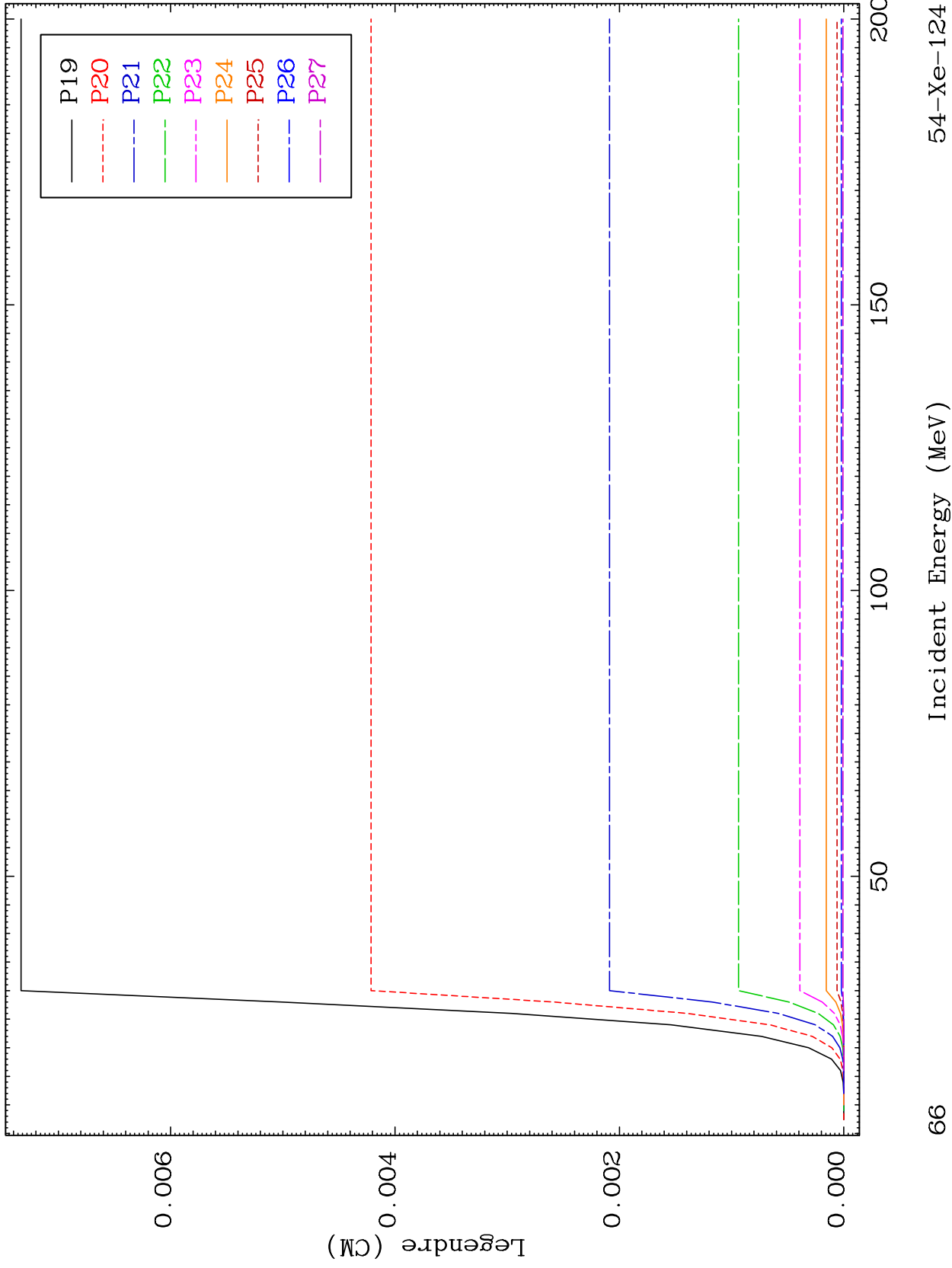




MAT 5425

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

54-Xe-124



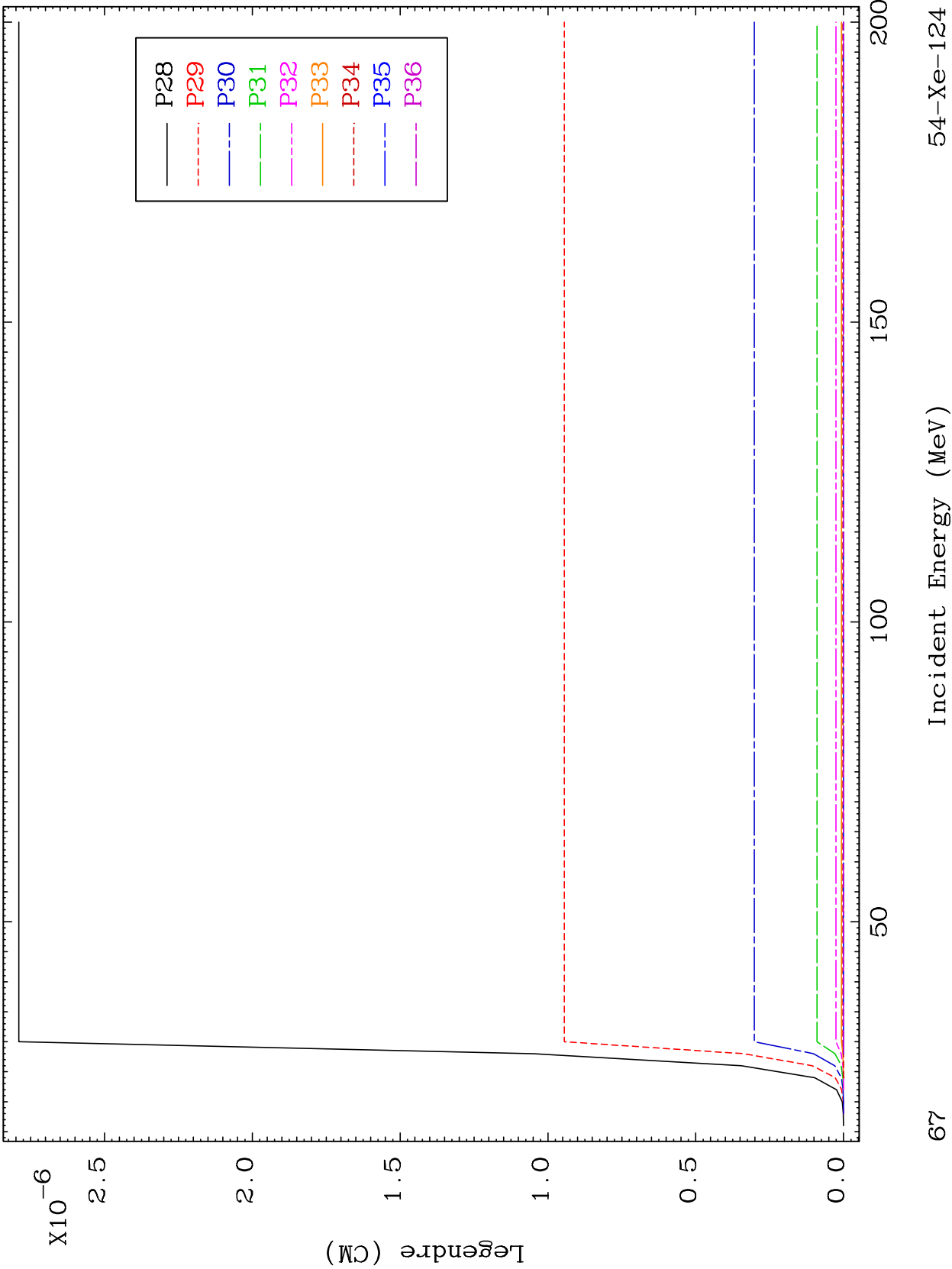
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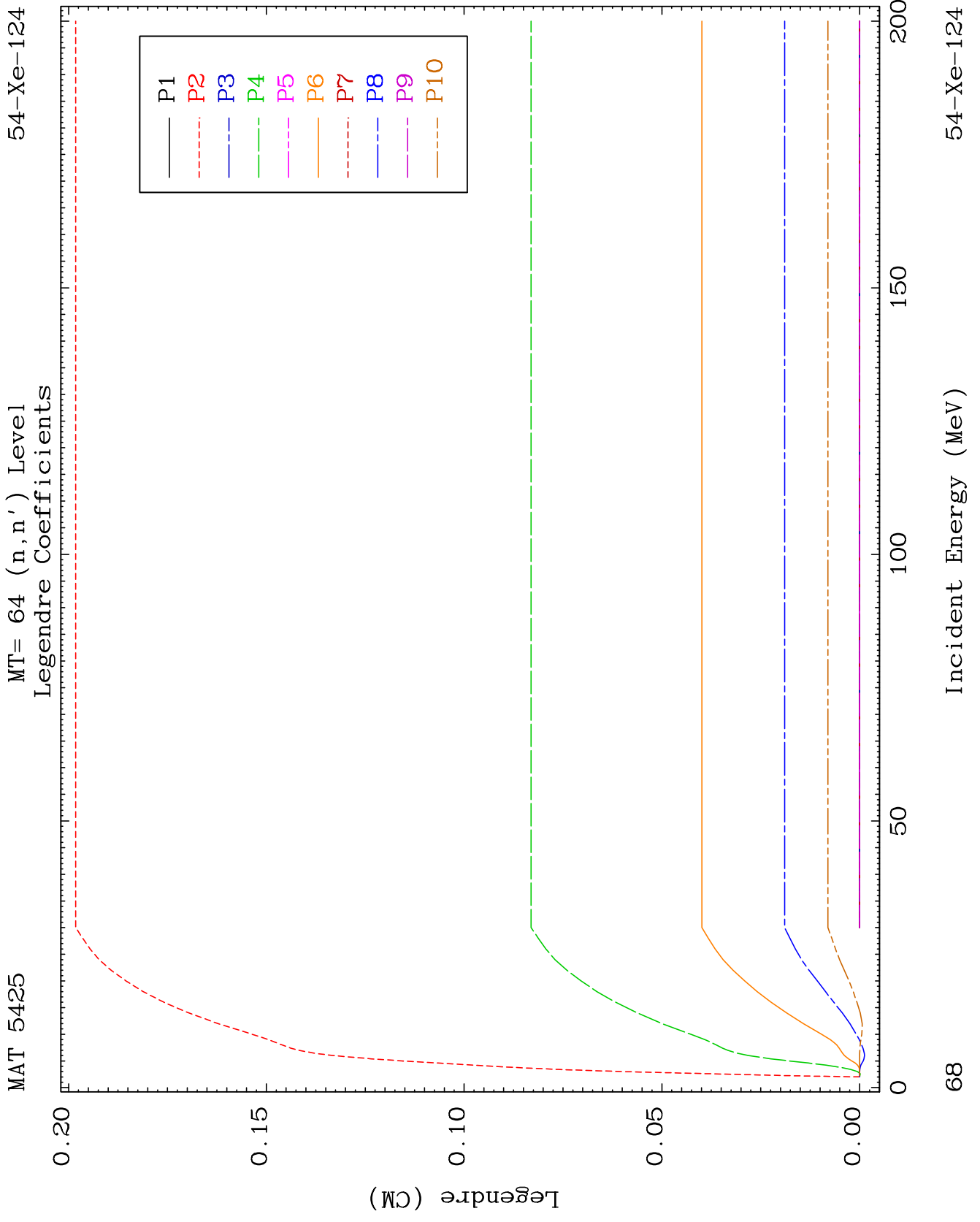
54-Xe-124

MAT 5425

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

54-Xe-124

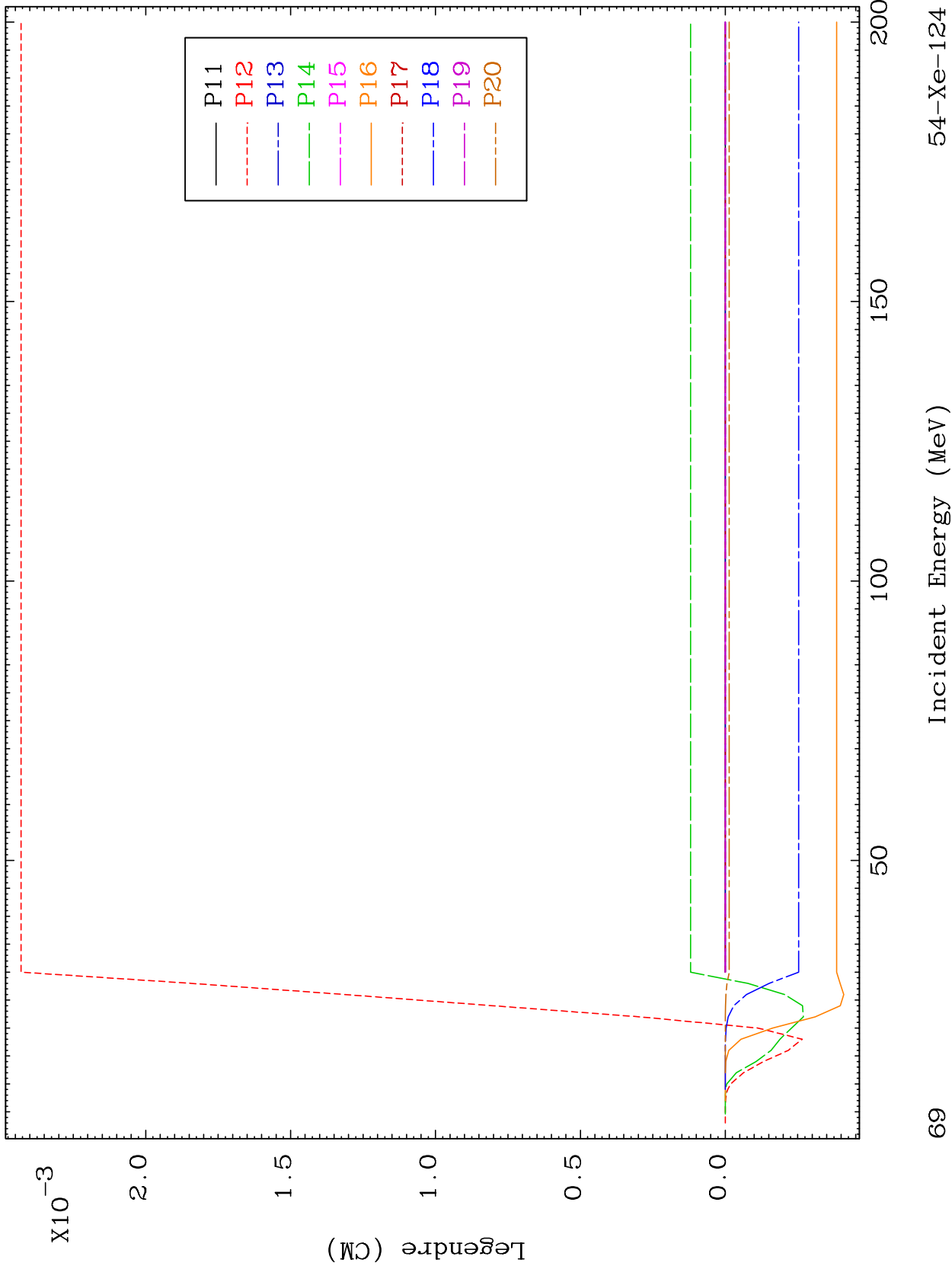




MAT 5425

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

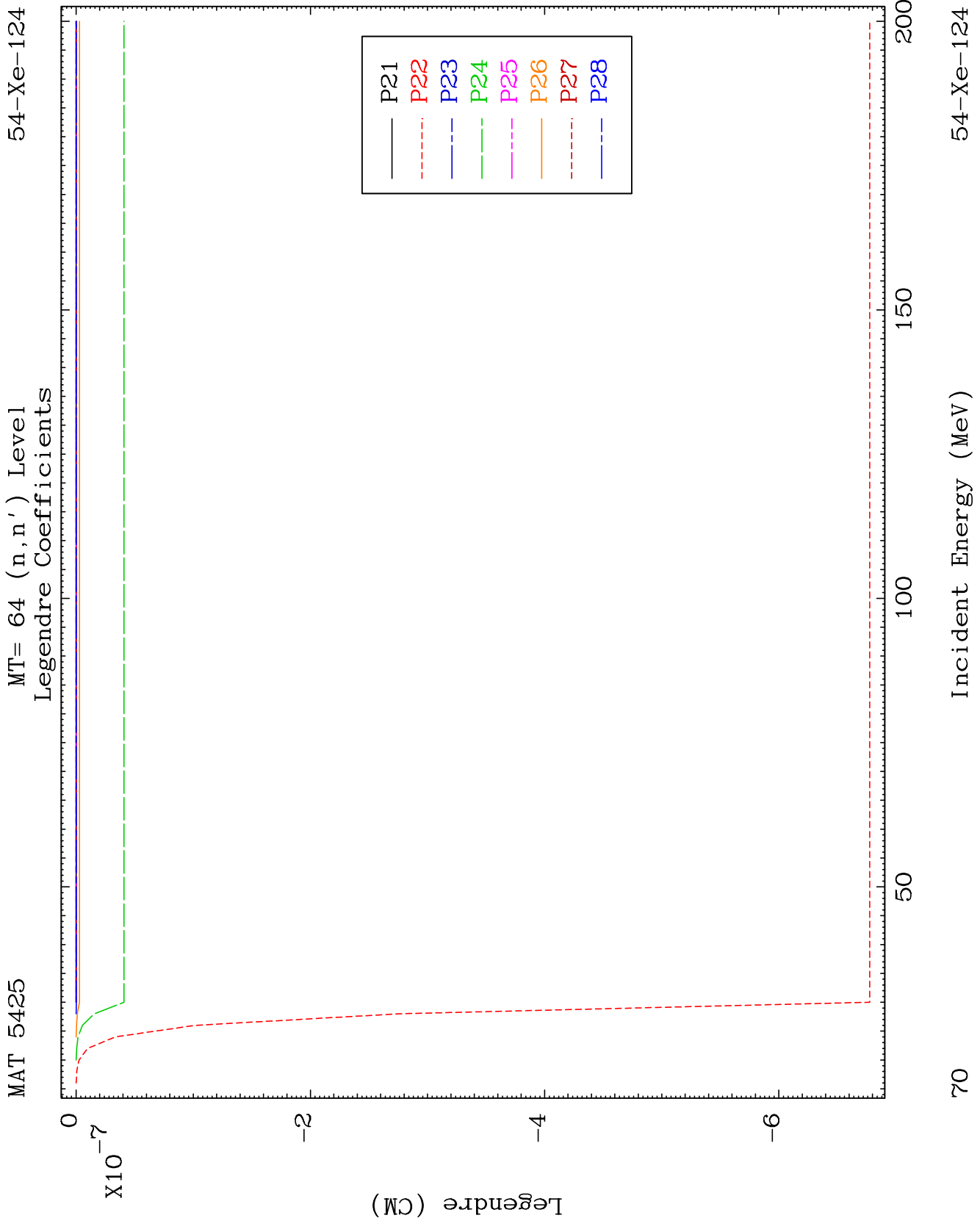
54-Xe-124



69

Incident Energy (MeV)

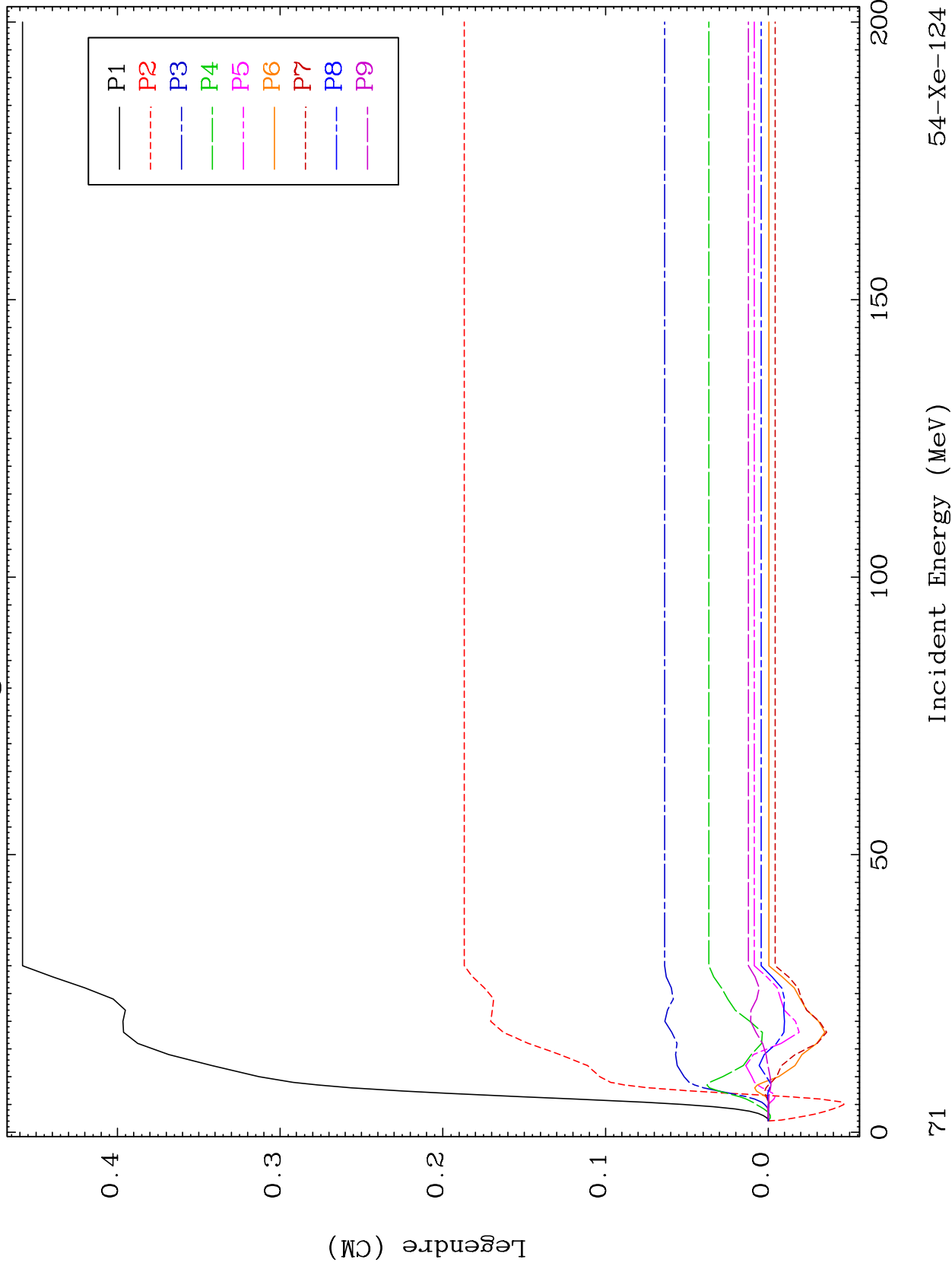
54-Xe-124



MAT 5425

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

54-Xe-124



54-Xe-124

Incident Energy (MeV)

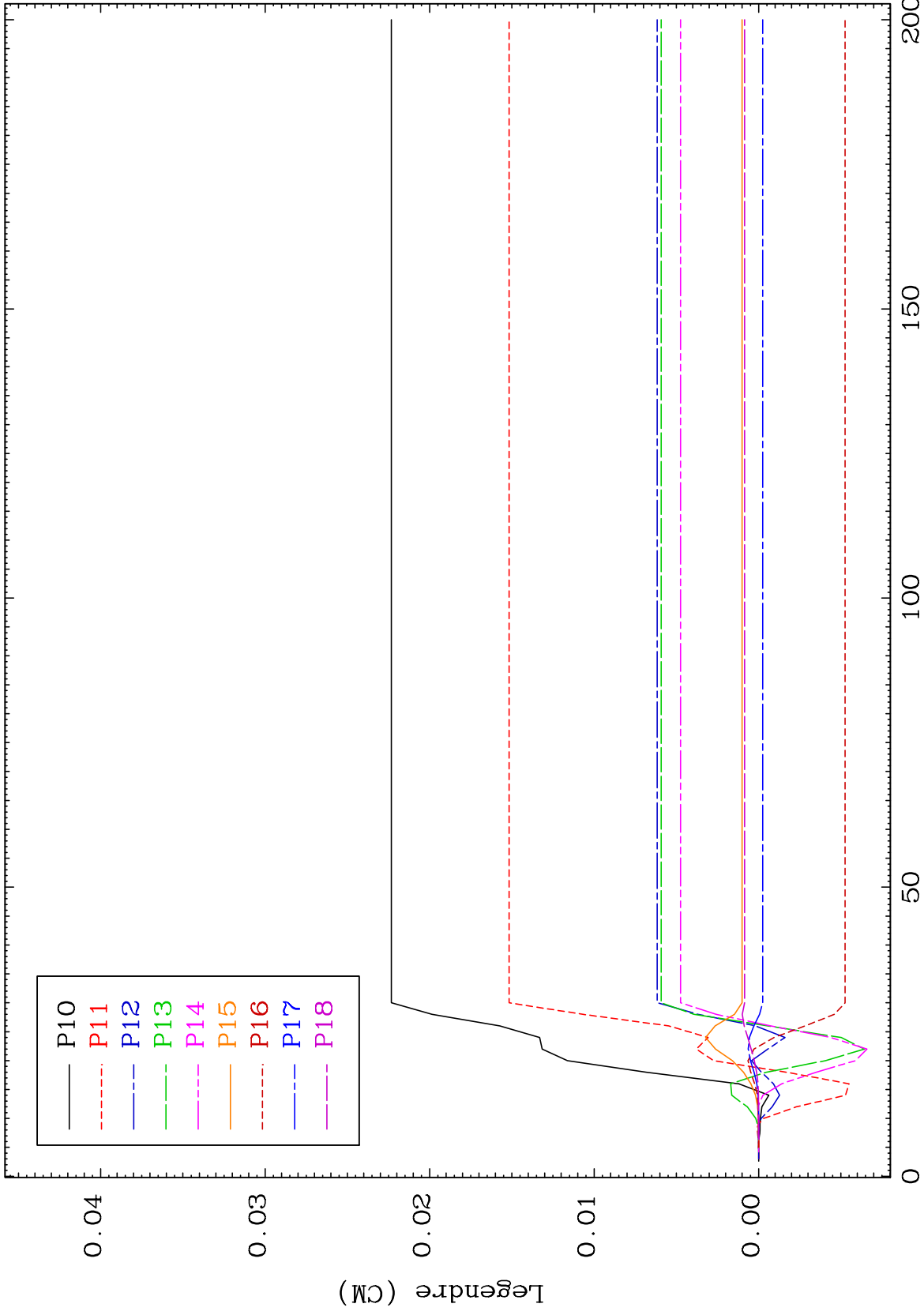
71



MAT 5425

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

54-Xe-124



72

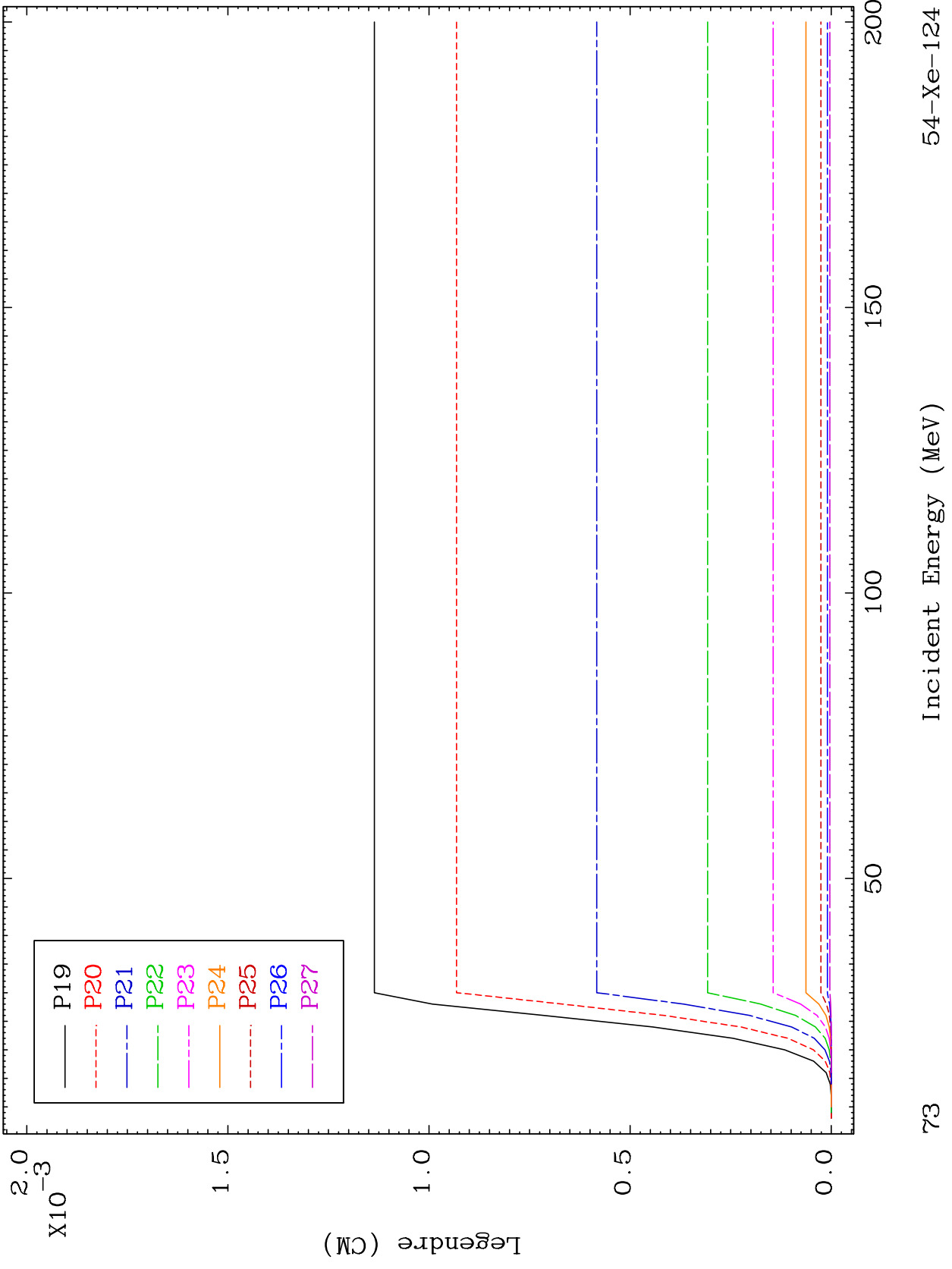
Incident Energy (MeV)

54-Xe-124

MAT 5425

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

54-Xe-124



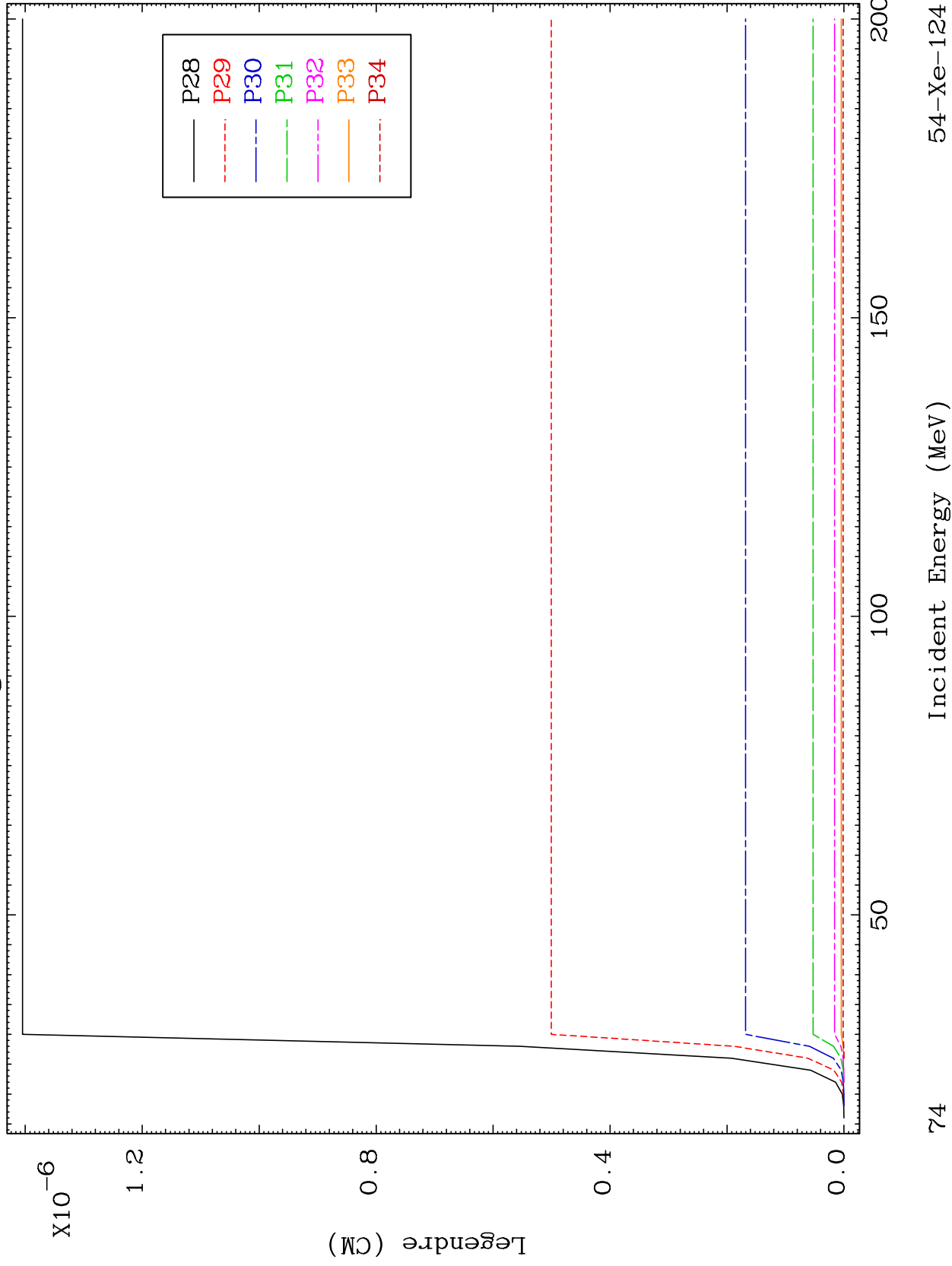
73

54-Xe-124

MAT 5425

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

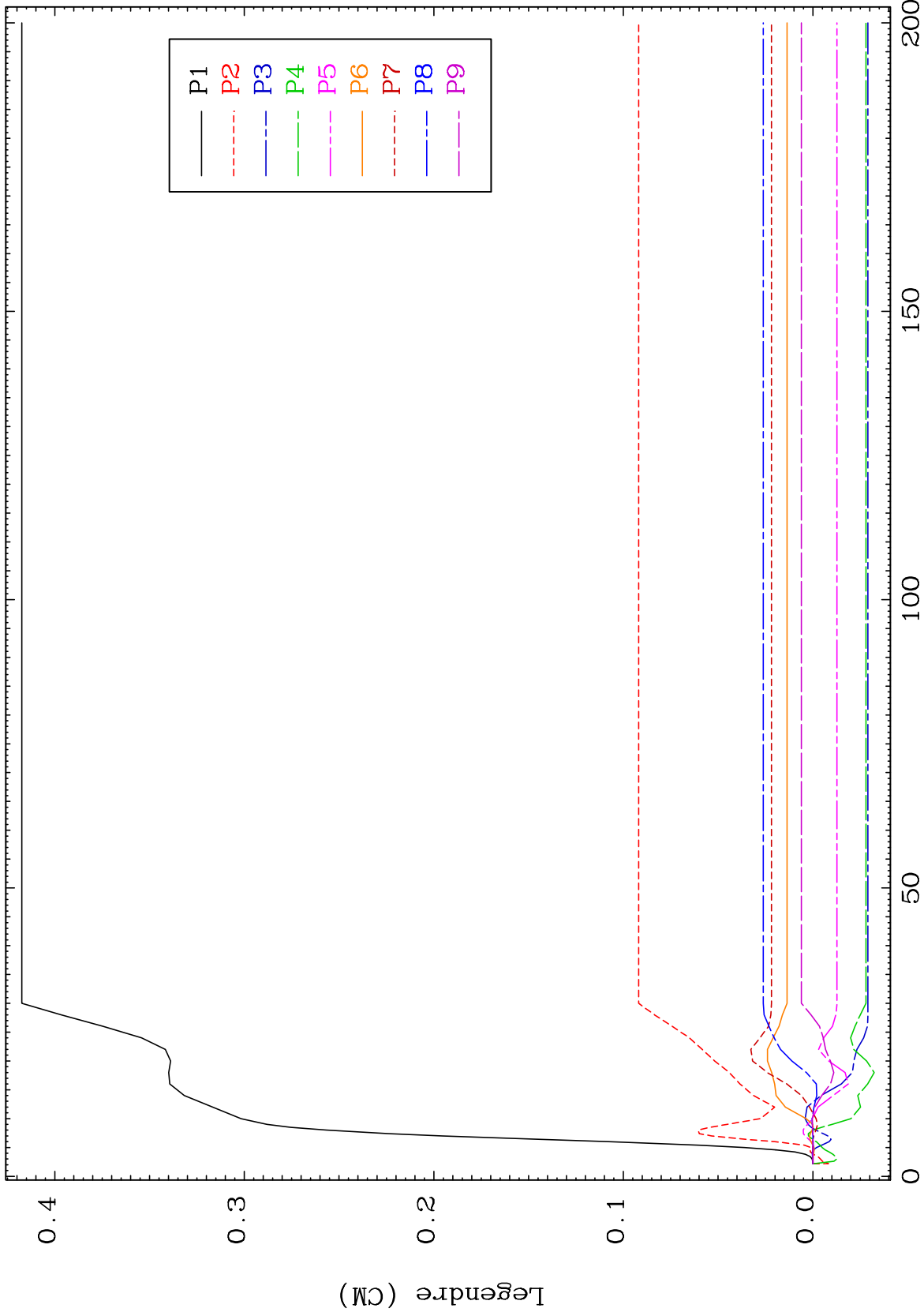
54-Xe-124



MAT 5425

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

54-Xe-124



75

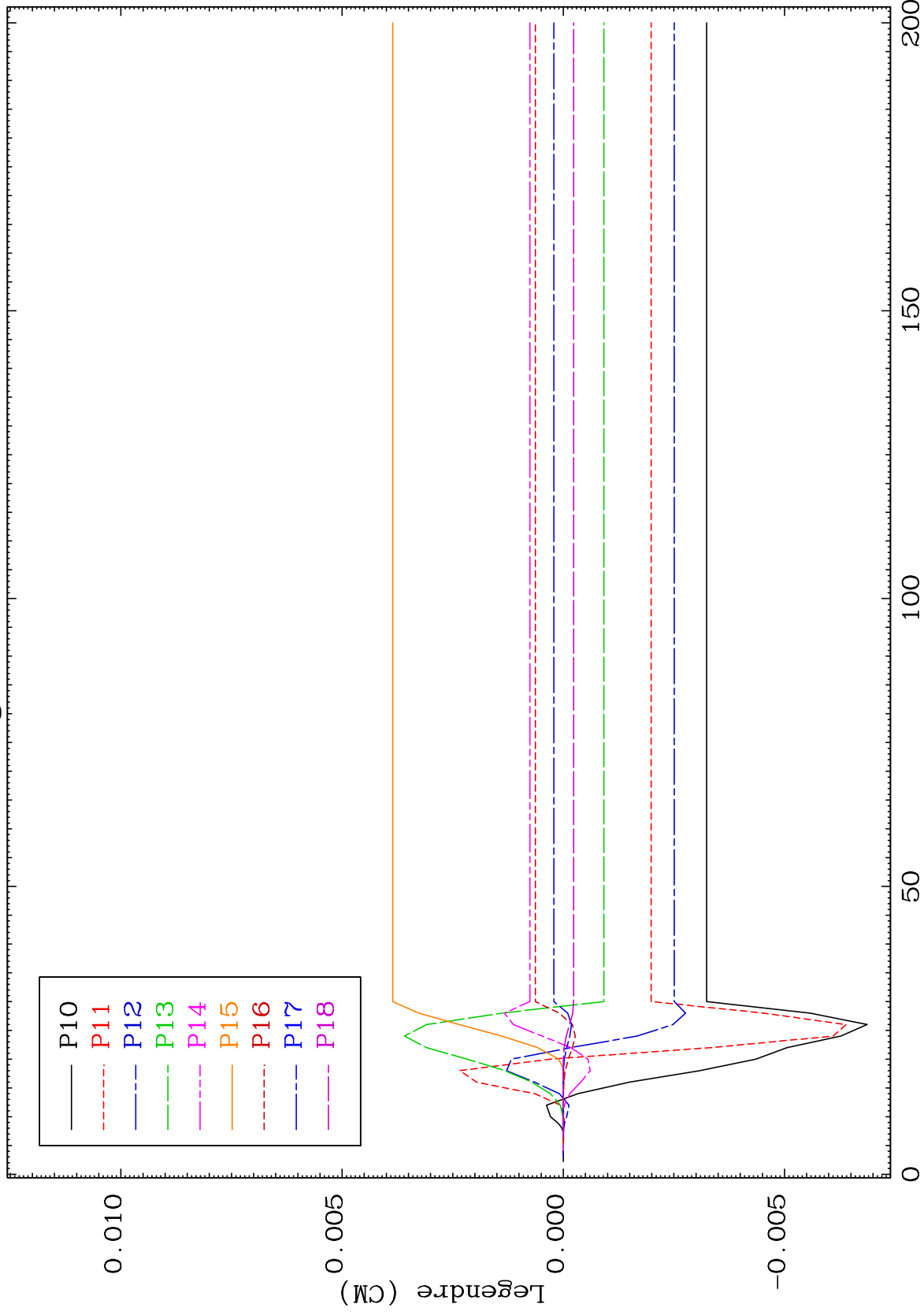
Incident Energy (MeV)

54-Xe-124

MAT 5425

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

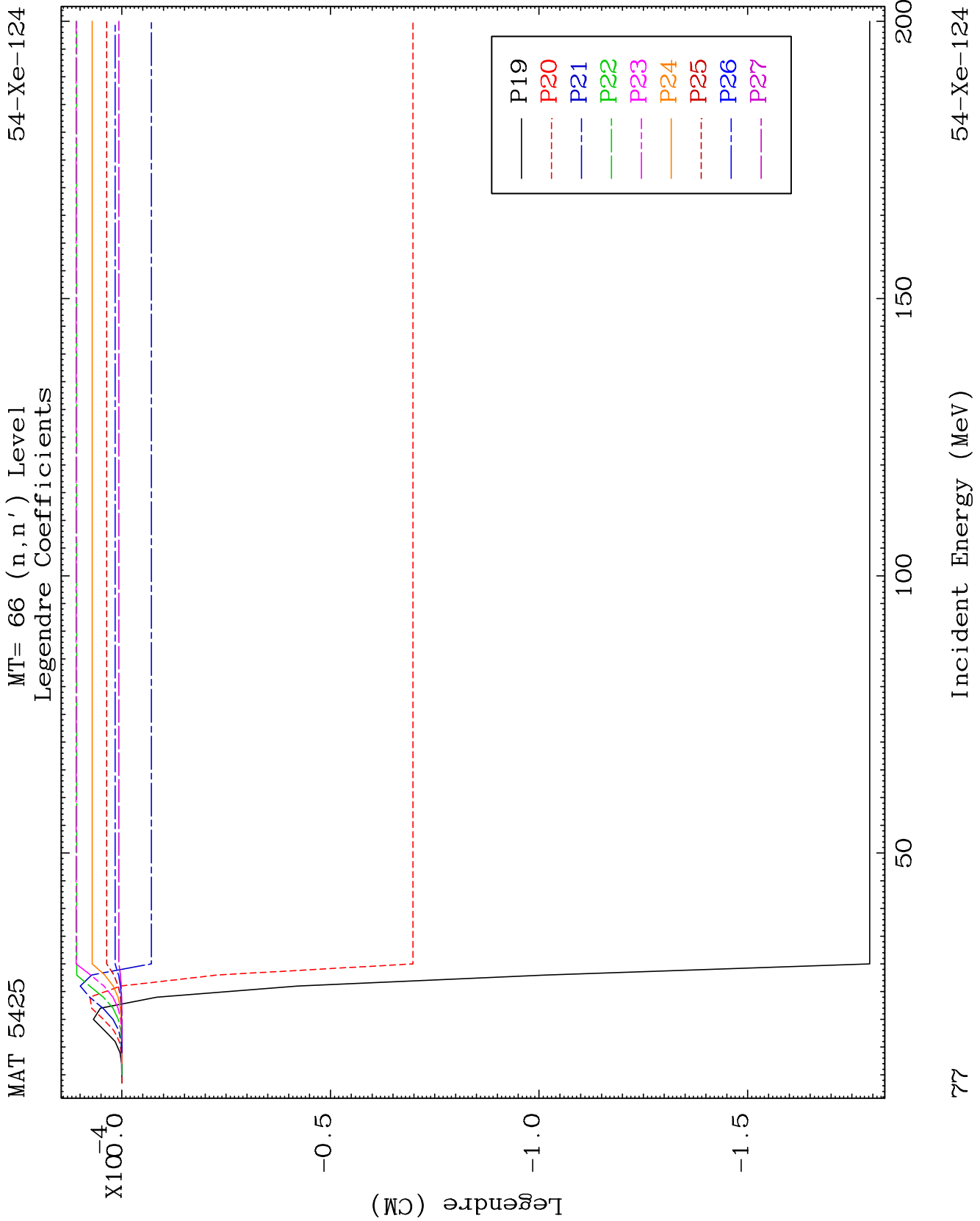
54-Xe-124



76

Incident Energy (MeV)

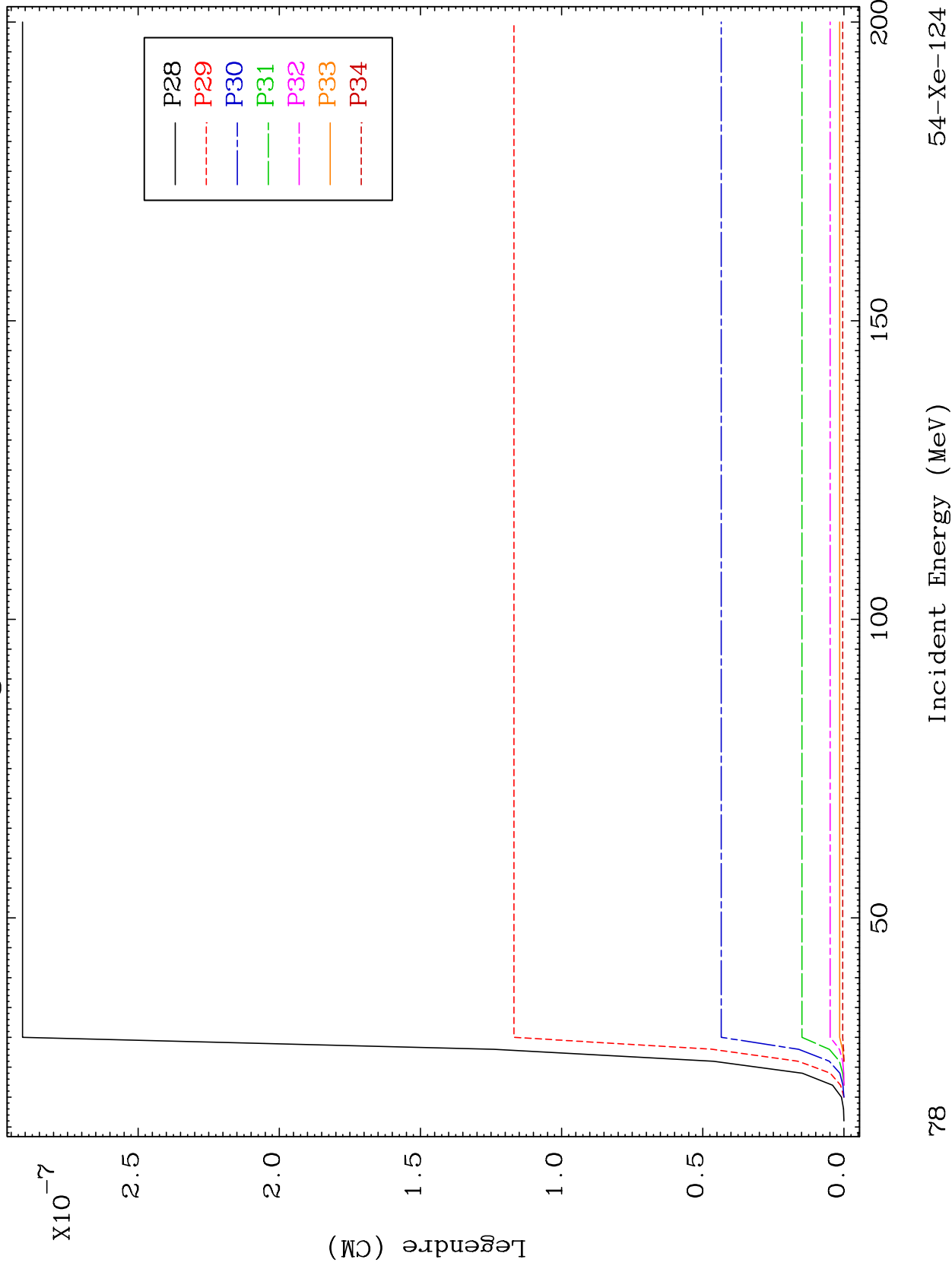
54-Xe-124



MAT 5425

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

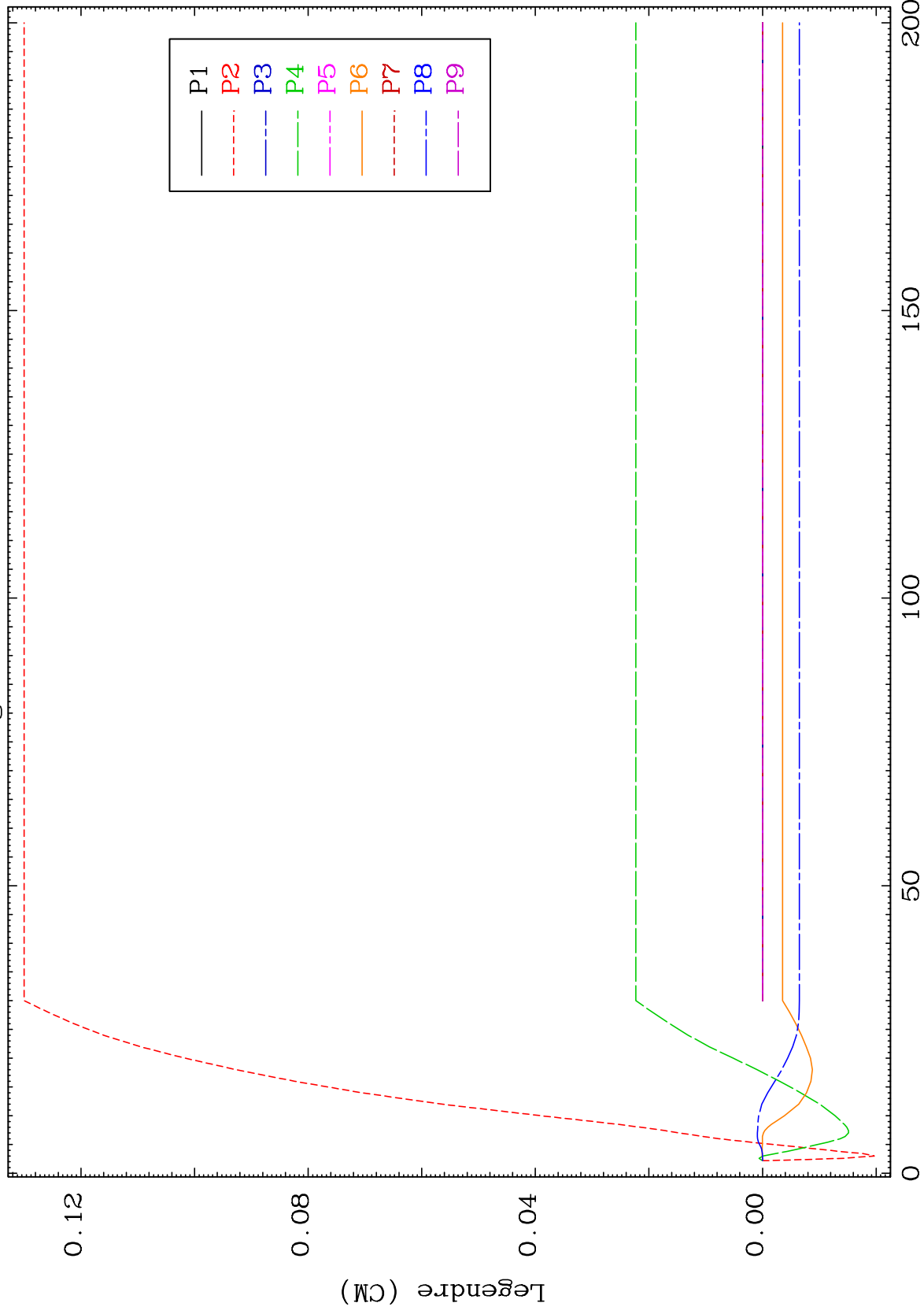
54-Xe-124



MAT 5425

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

54-Xe-124



79

Incident Energy (MeV)

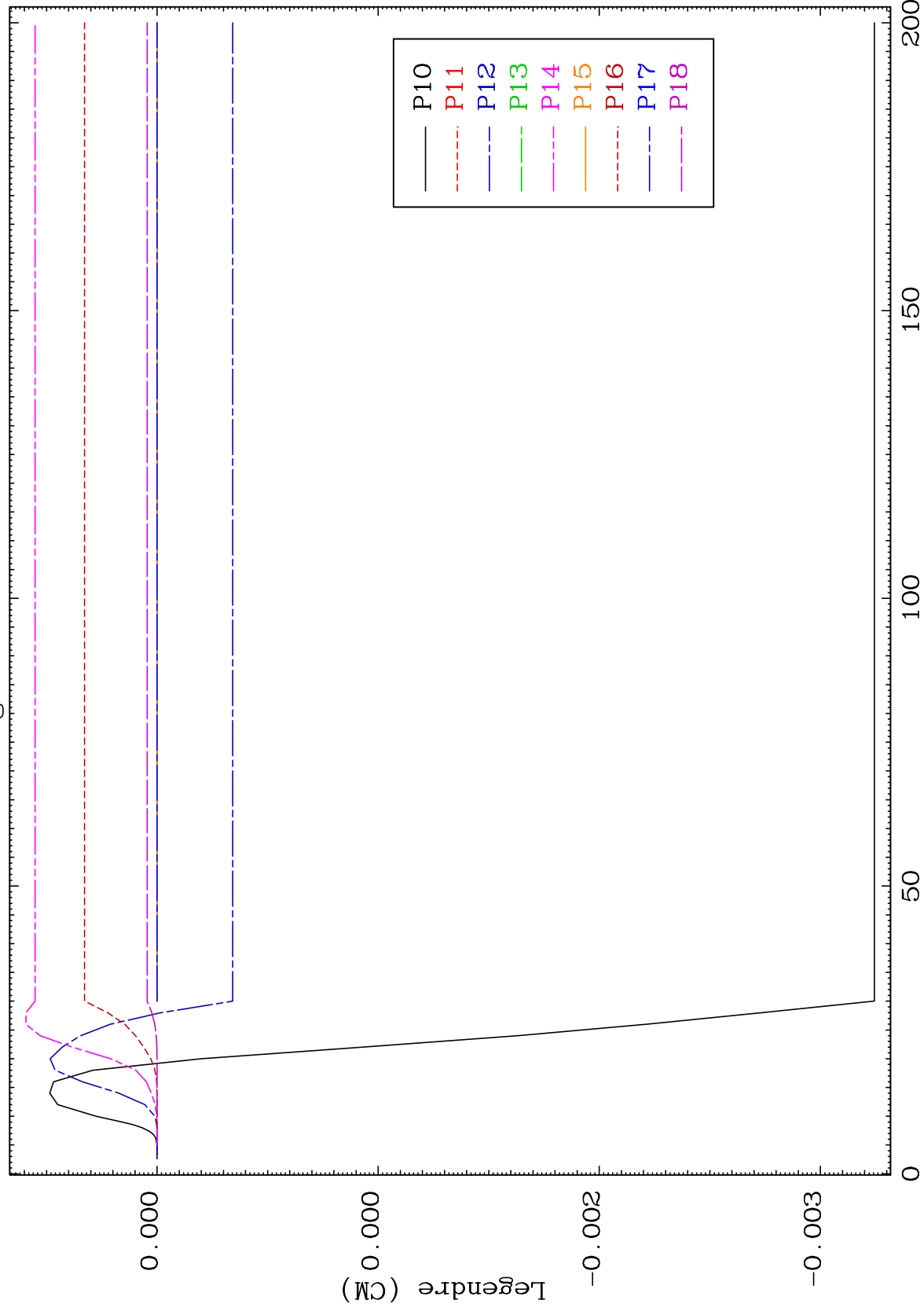
54-Xe-124



MAT 5425

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

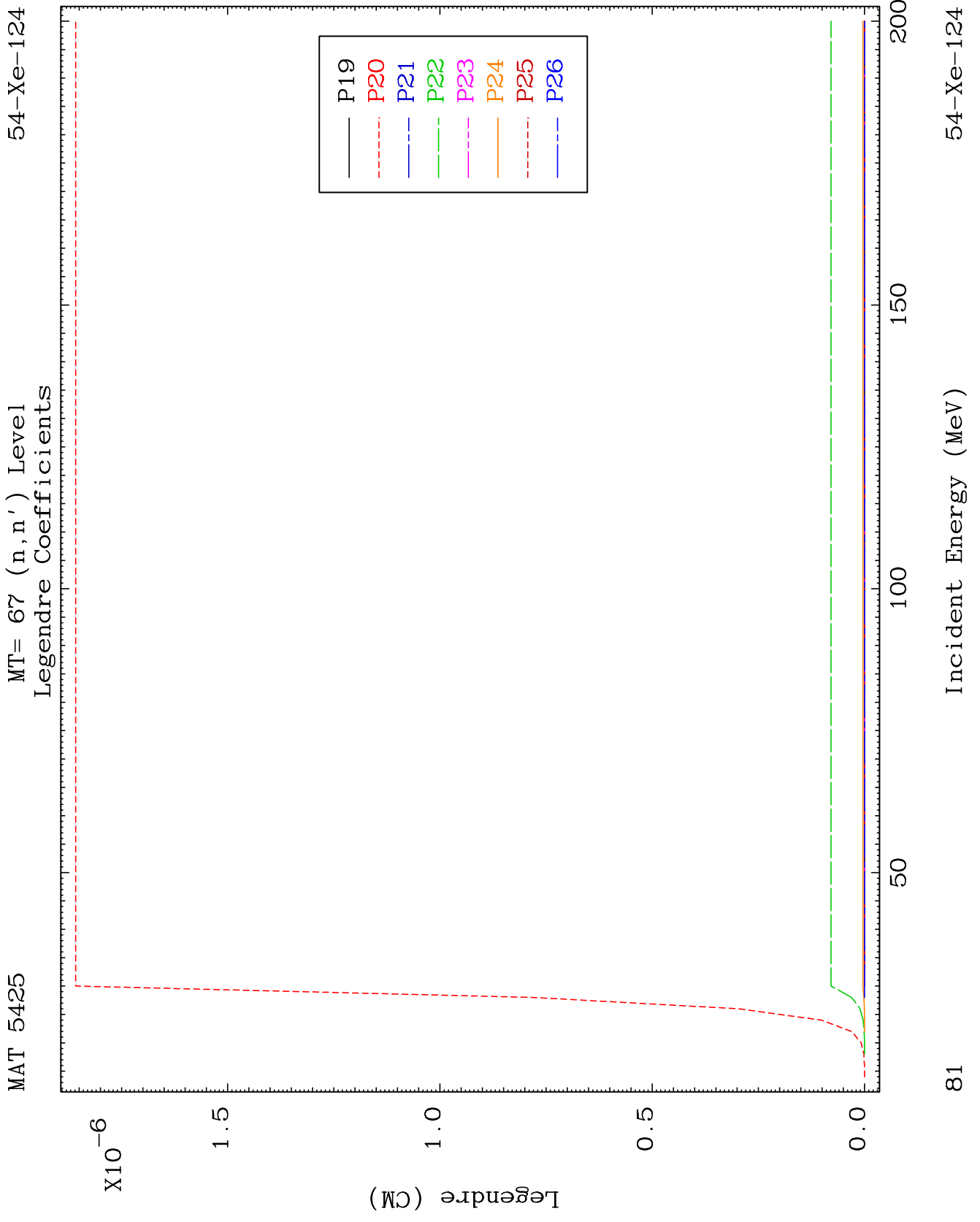
54-Xe-124

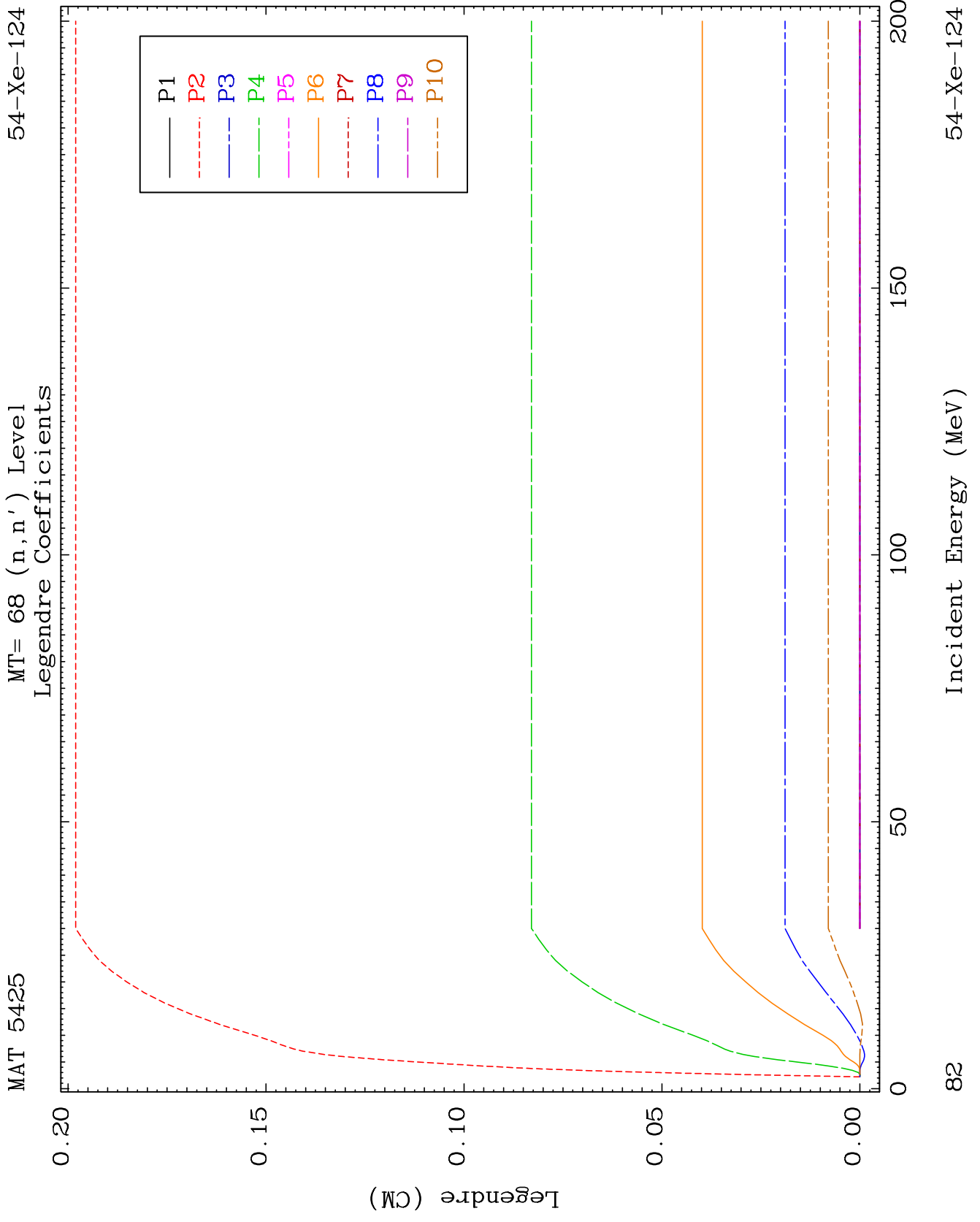


80

Incident Energy (MeV)

54-Xe-124

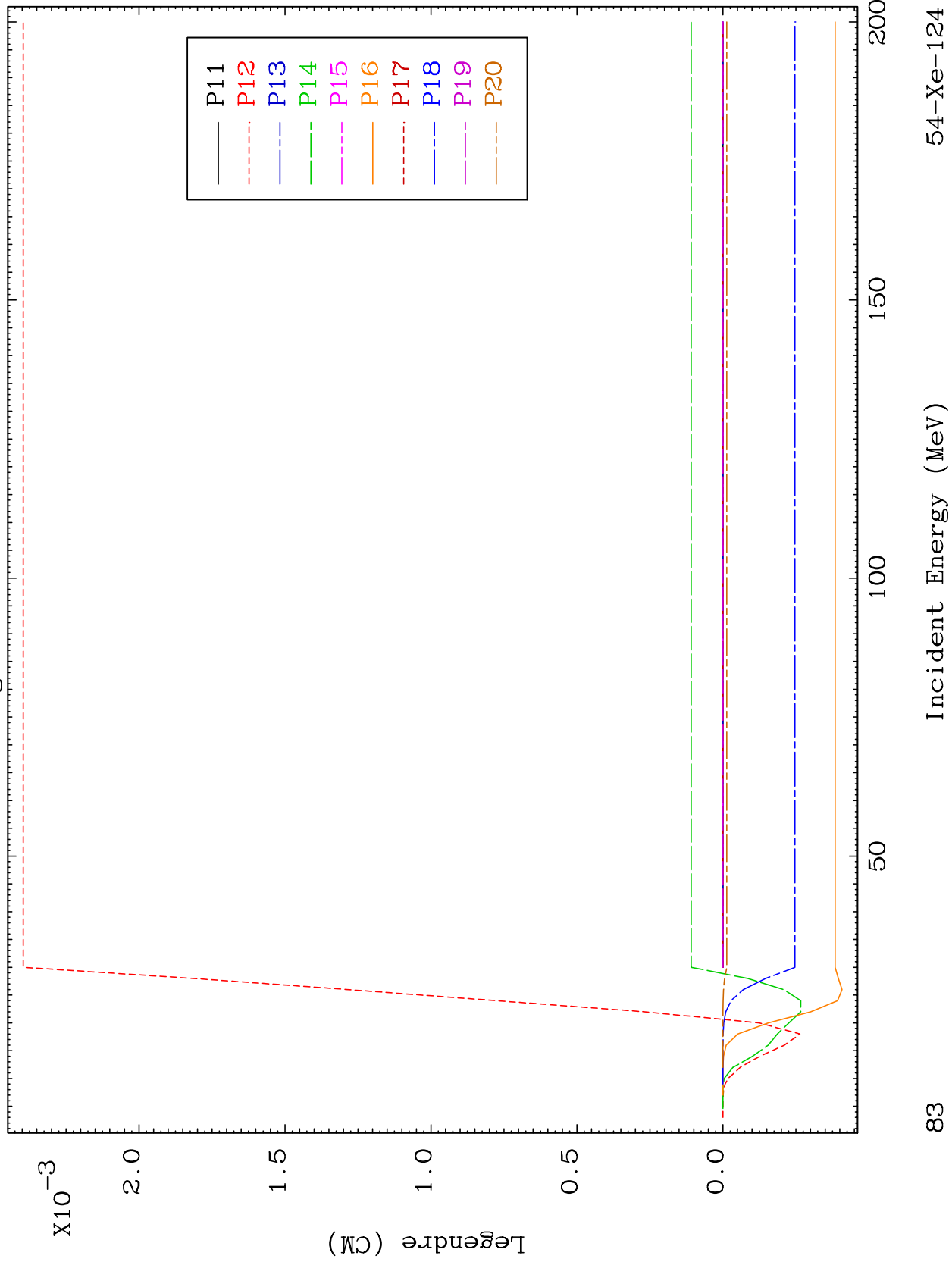




MAT 5425

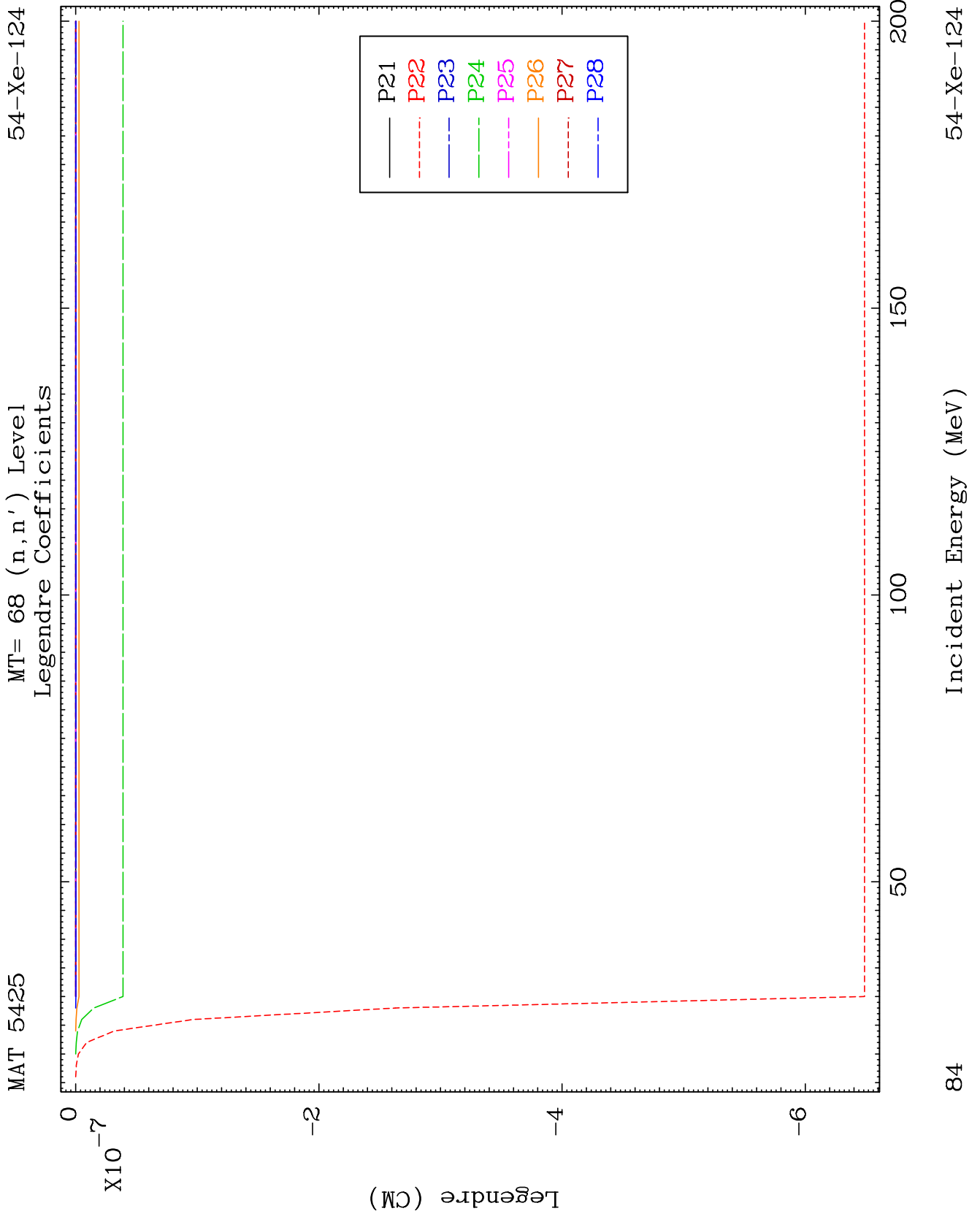
MT= 68 (n,n') Level  
Legendre Coefficients

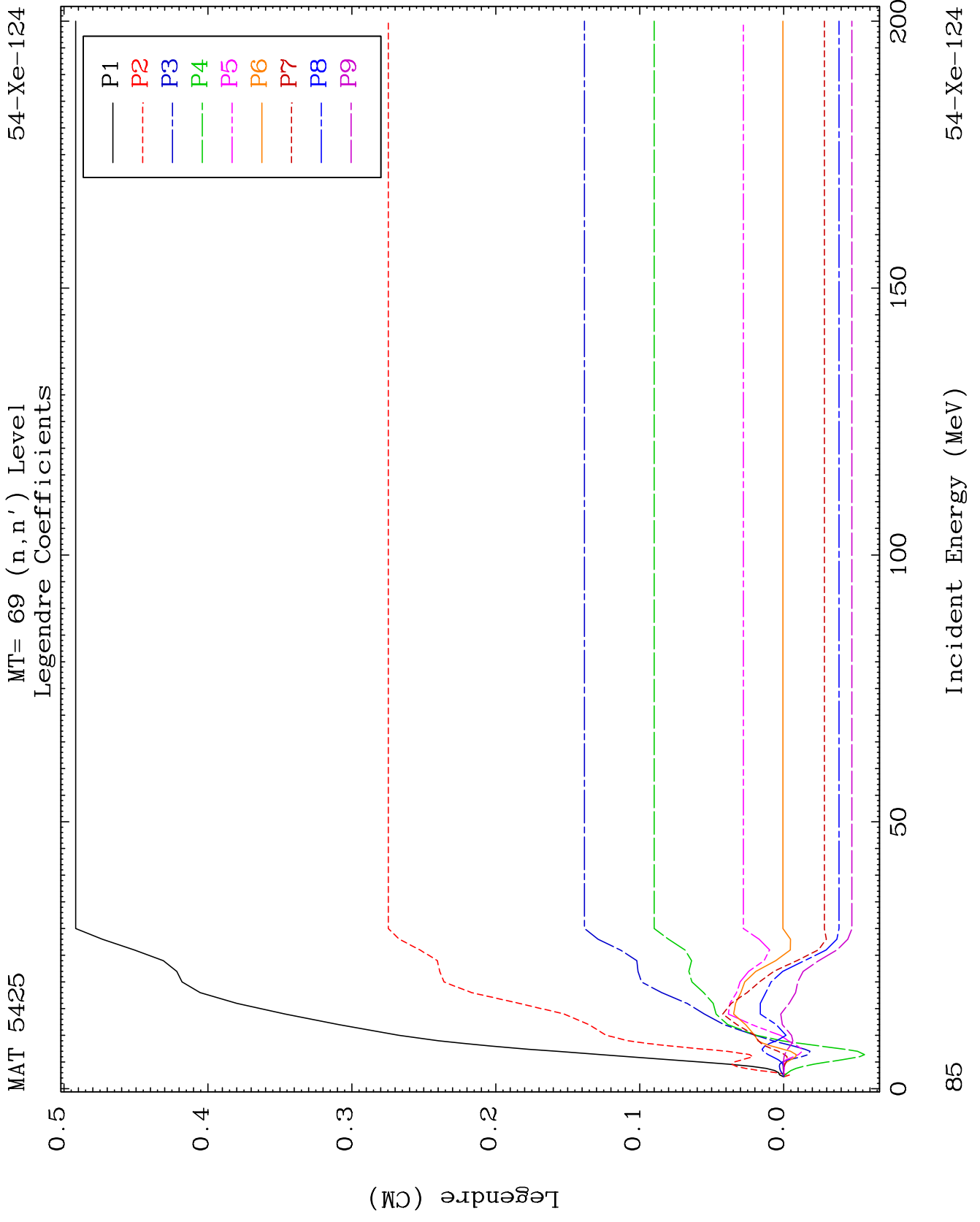
54-Xe-124



83

54-Xe-124

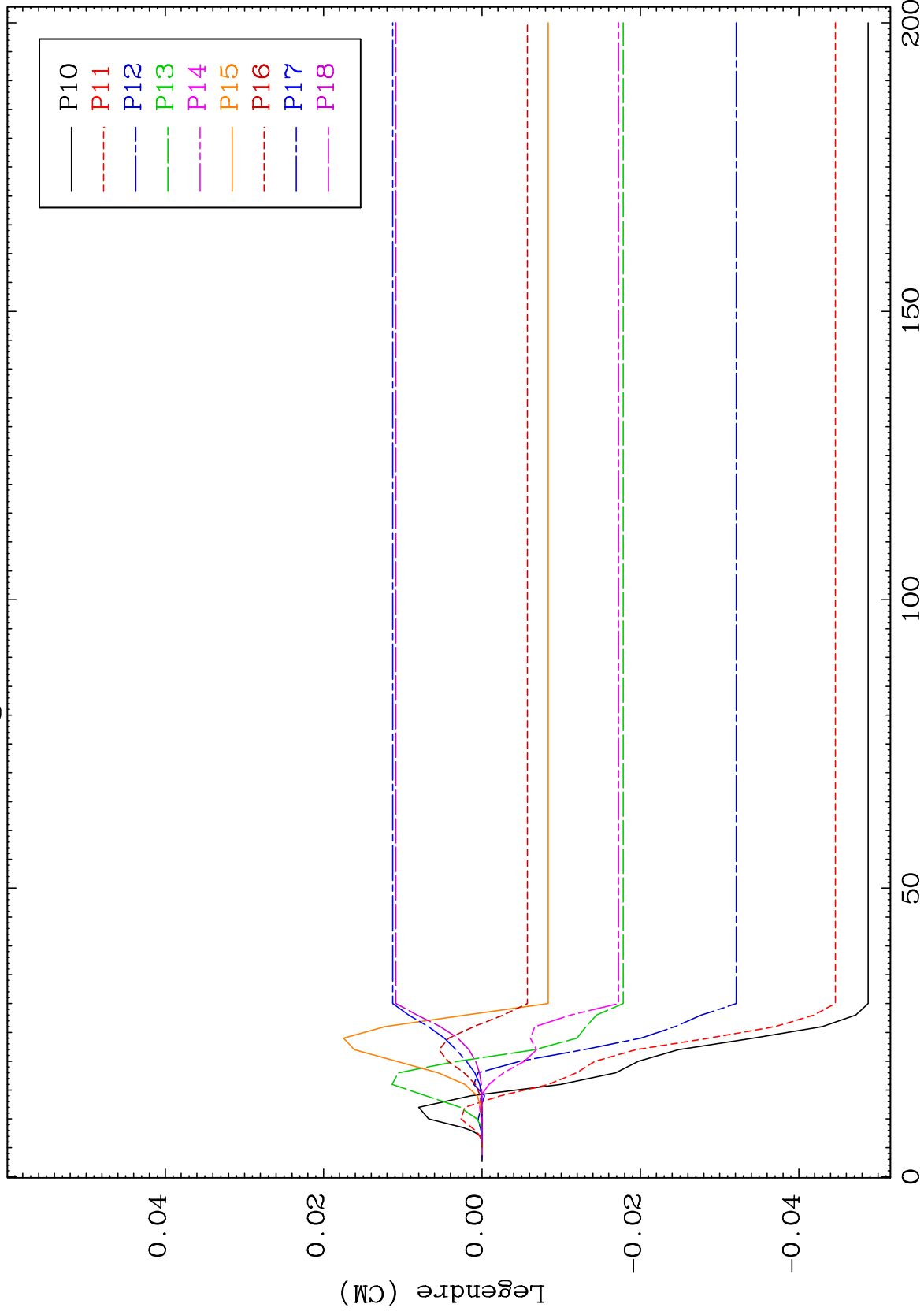




MAT 5425

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

54-Xe-124



86

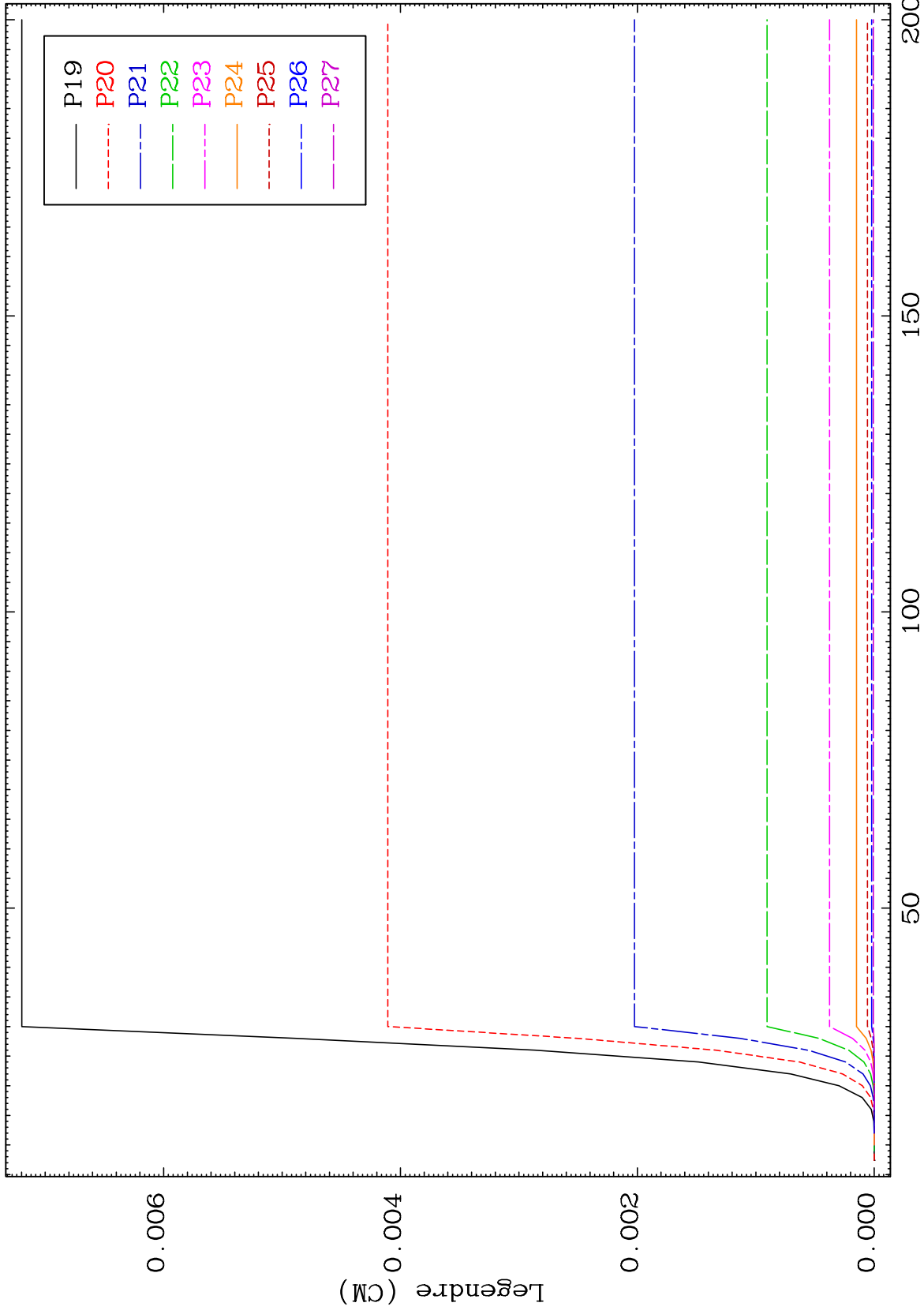
Incident Energy (MeV)

54-Xe-124

MAT 5425

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

54-Xe-124



87

Incident Energy (MeV)

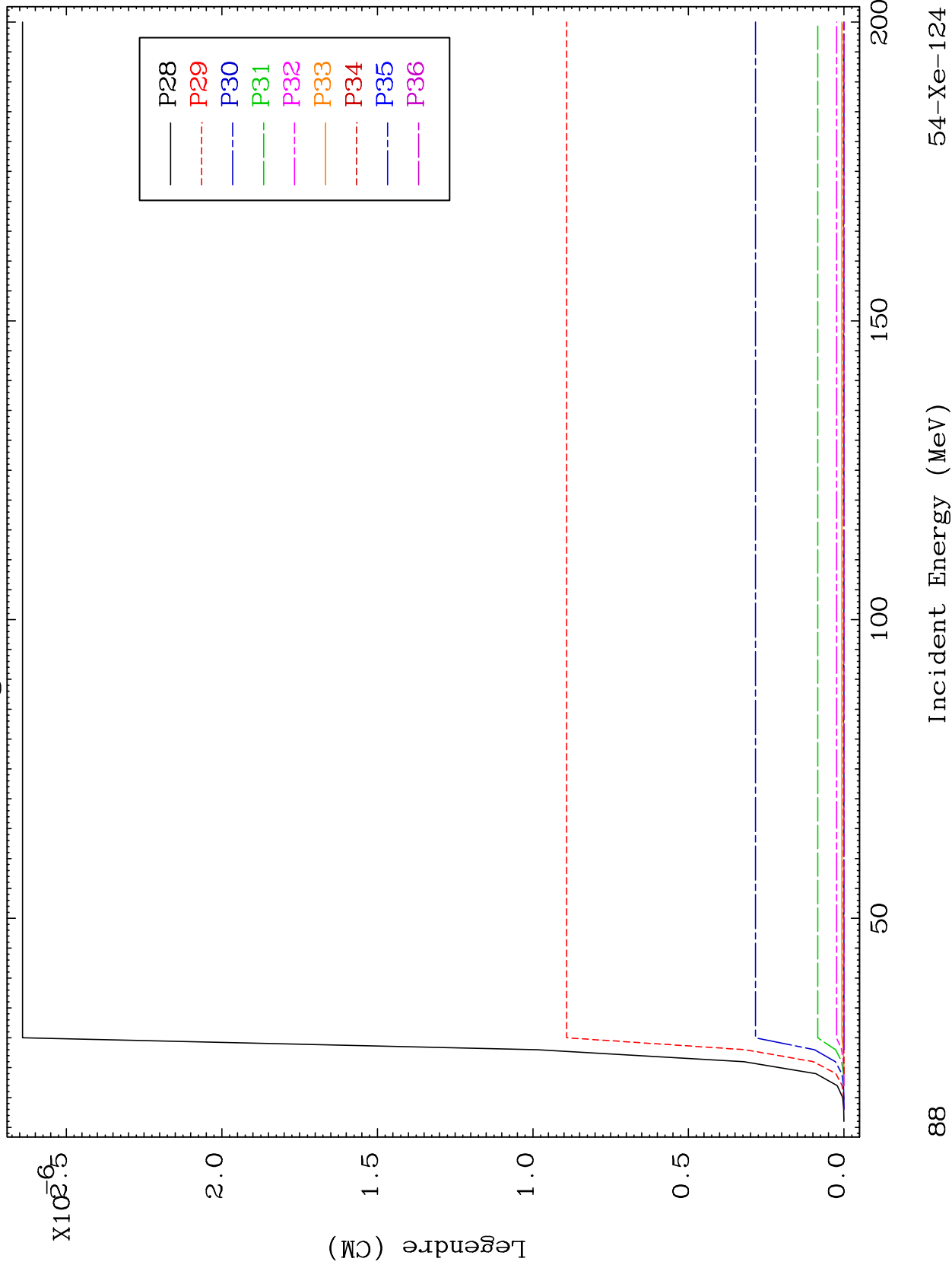
54-Xe-124



MAT 5425

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

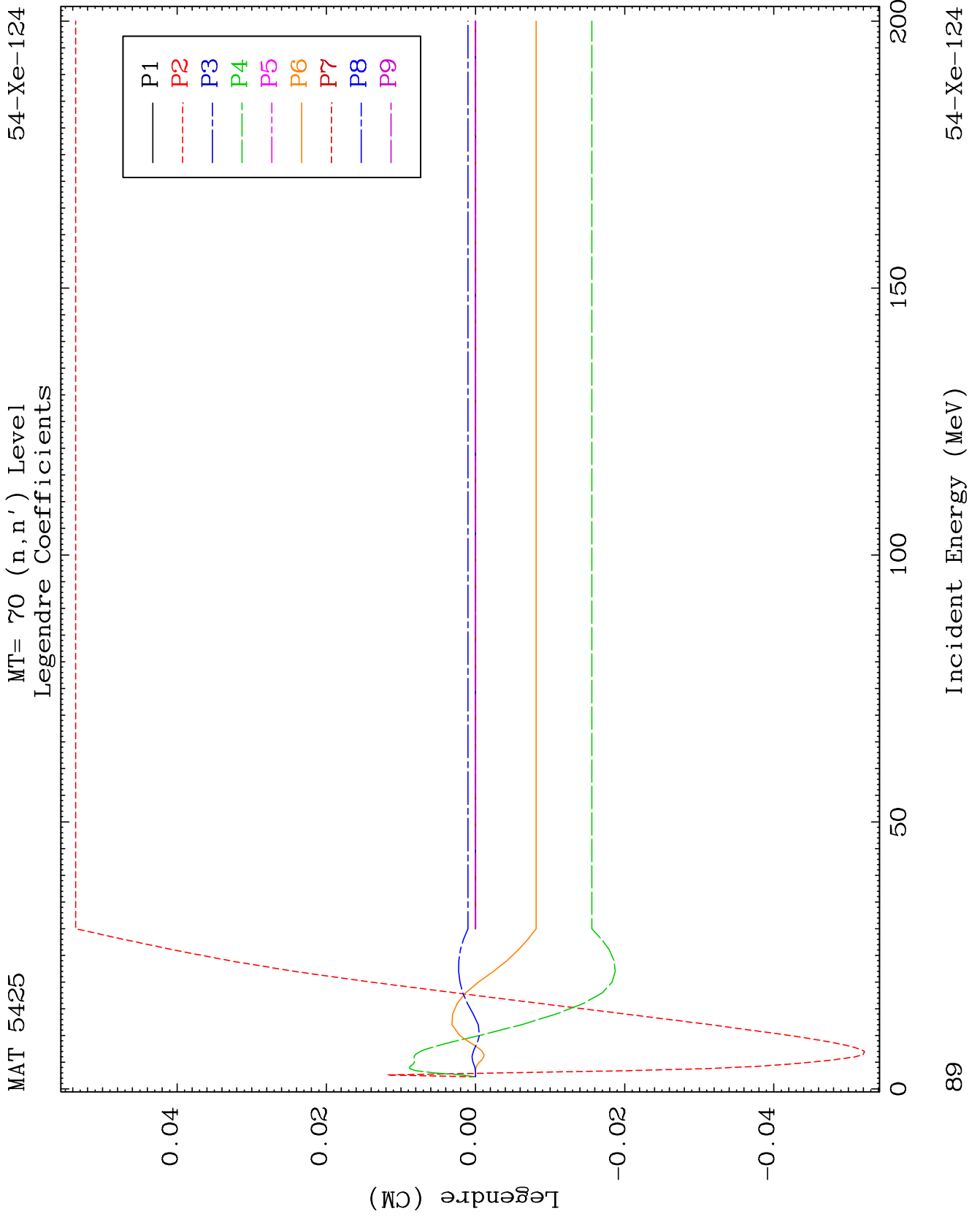
54-Xe-124



88

Incident Energy (MeV)

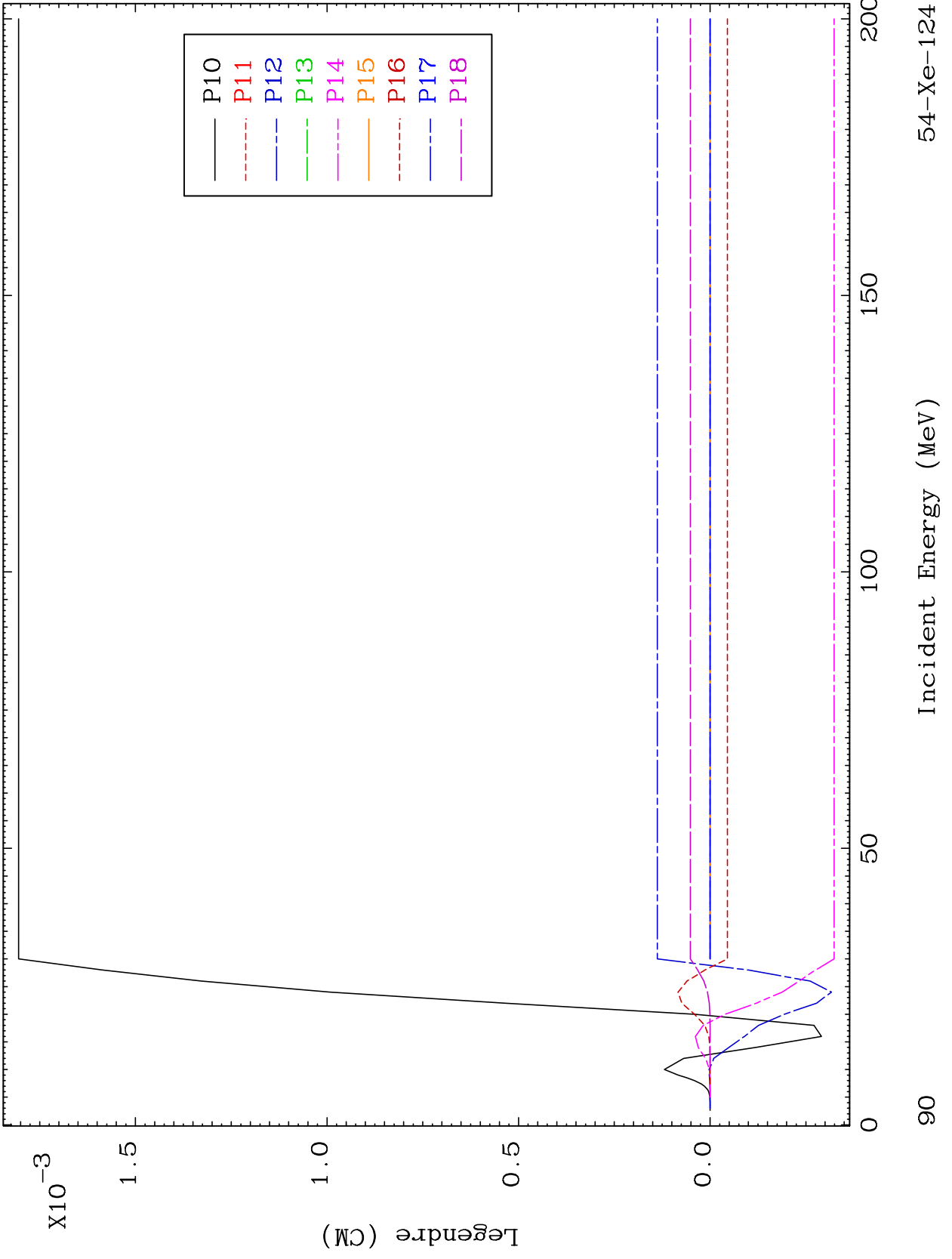
54-Xe-124

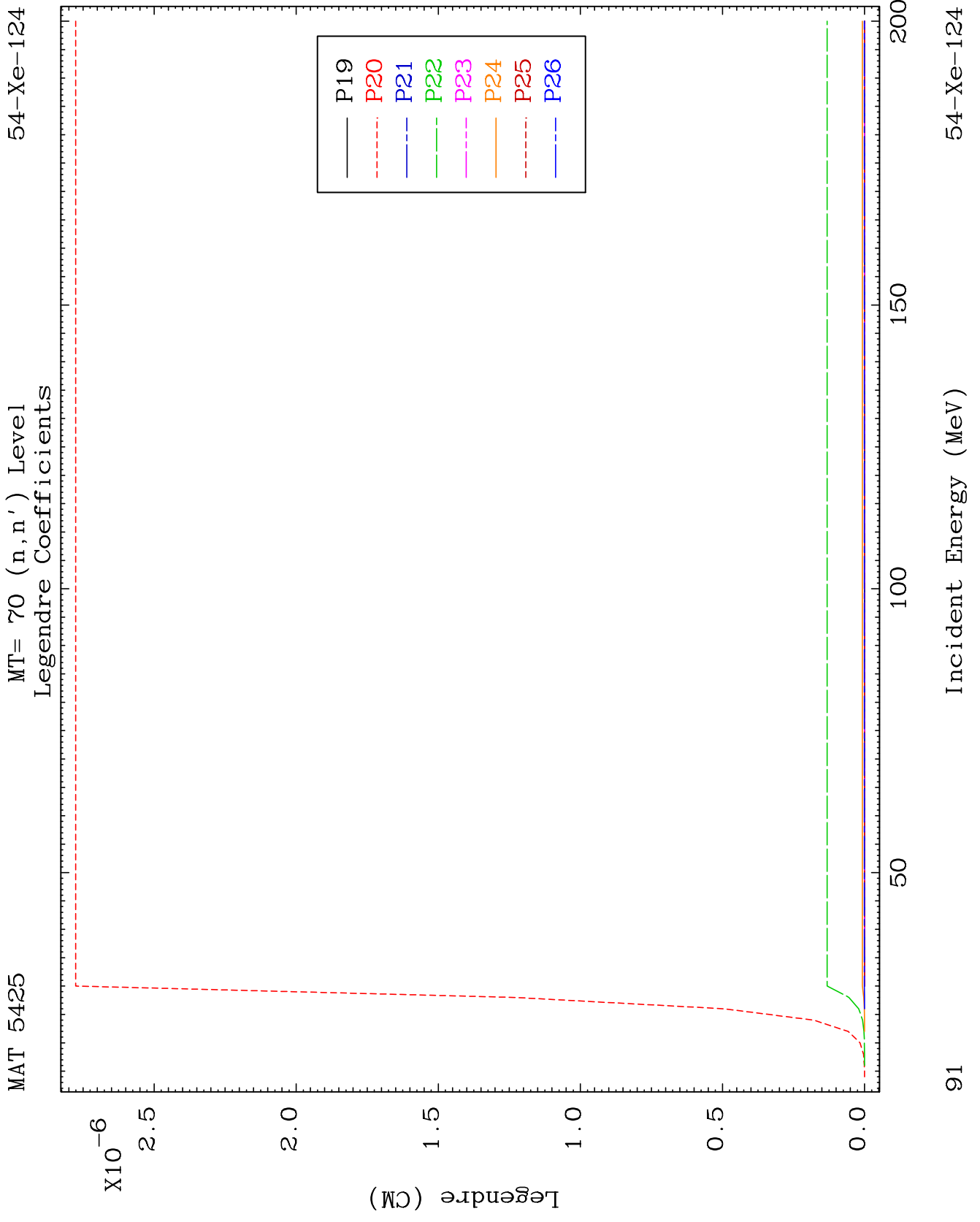


MAT 5425

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

54-Xe-124

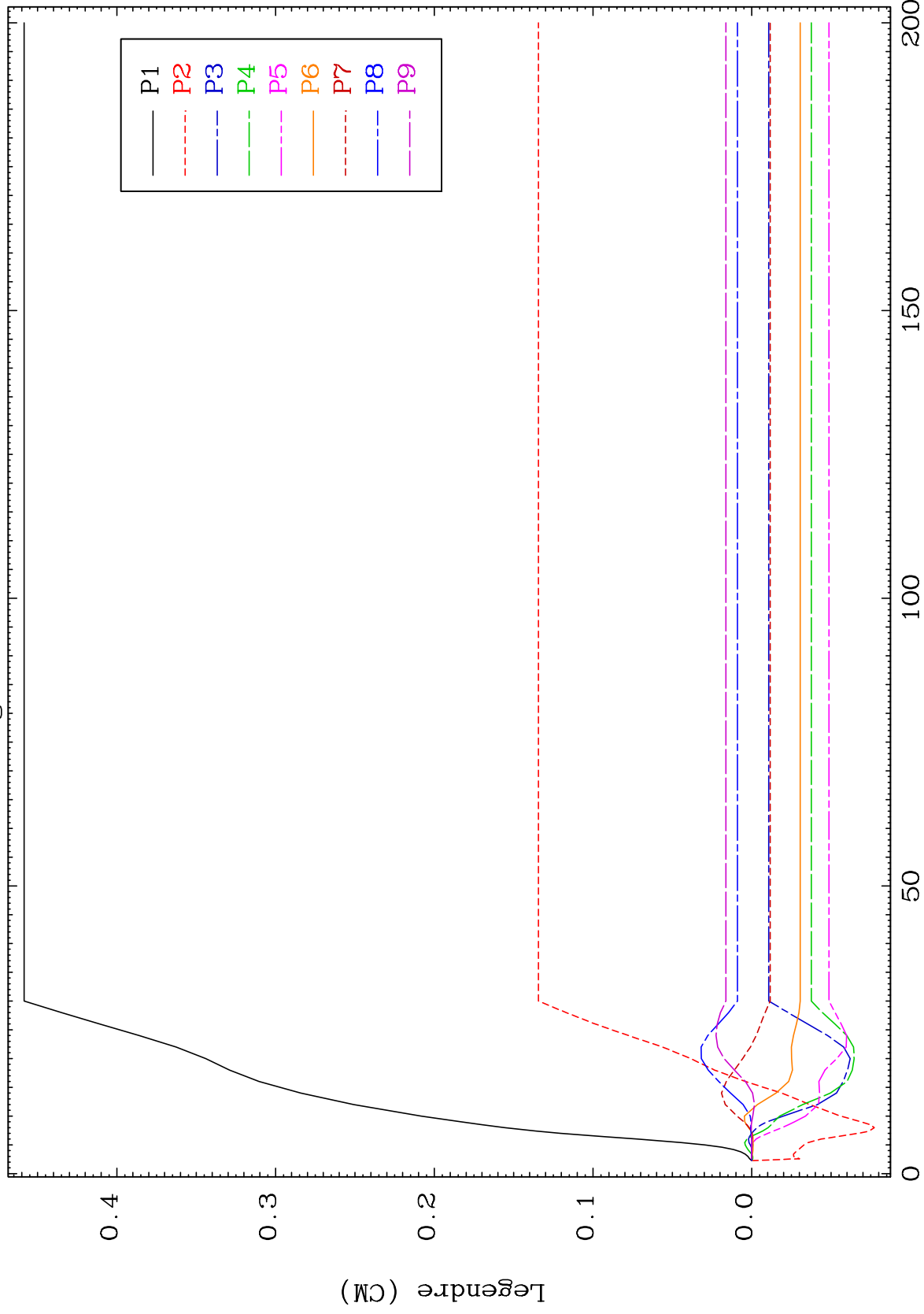




MAT 5425

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

54-Xe-124



92

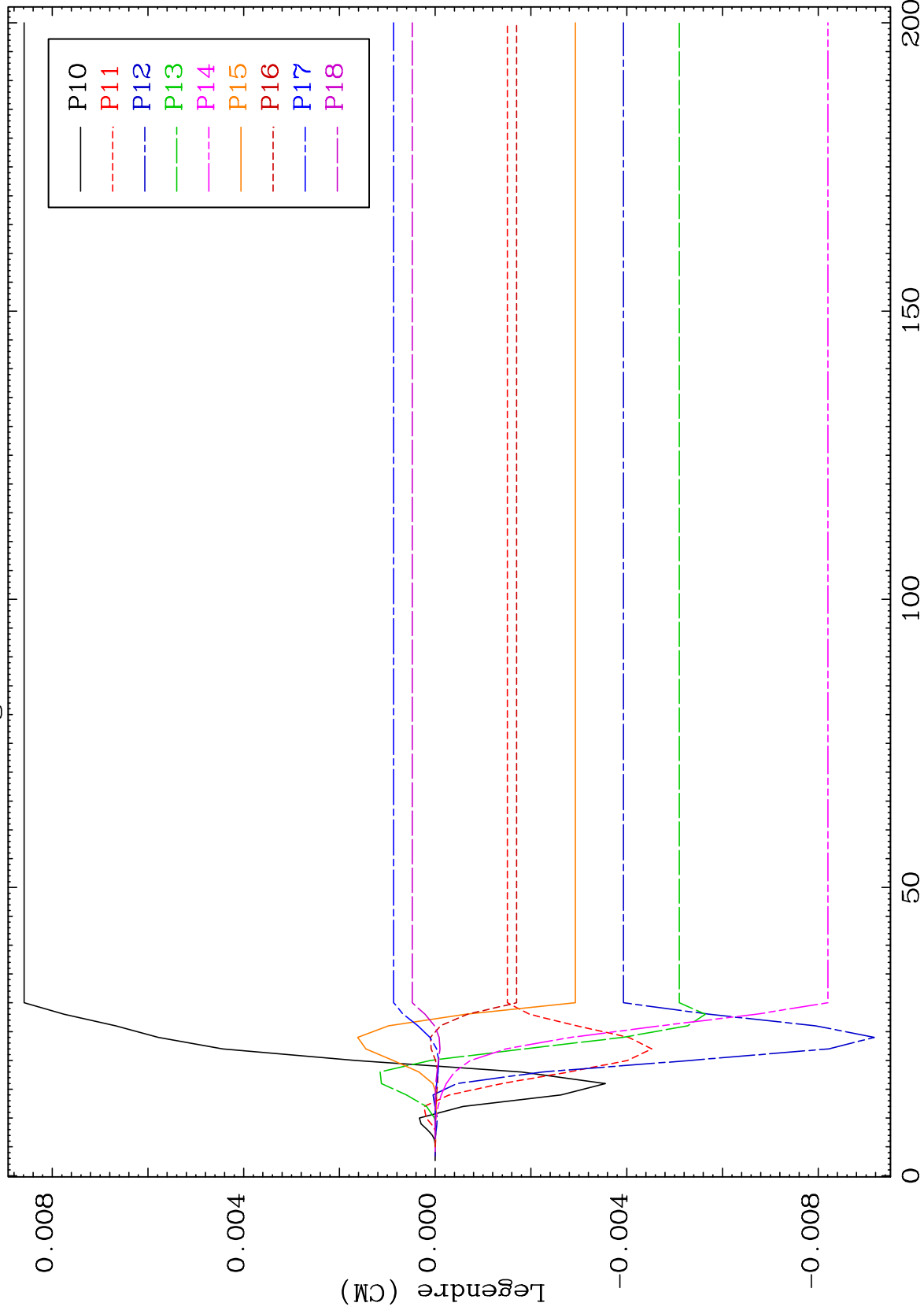
Incident Energy (MeV)

54-Xe-124

MAT 5425

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

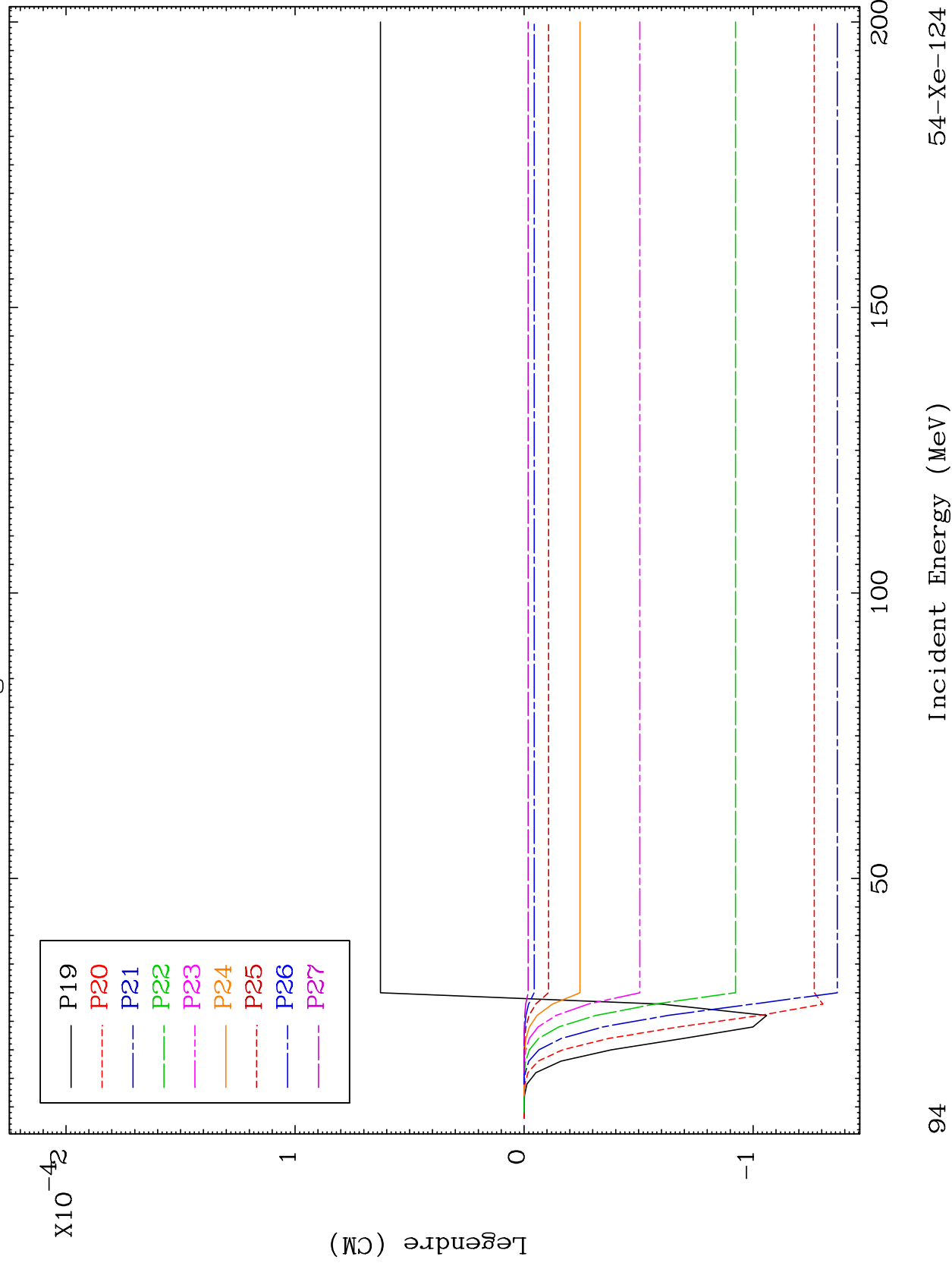
54-Xe-124



93

Incident Energy (MeV)

54-Xe-124

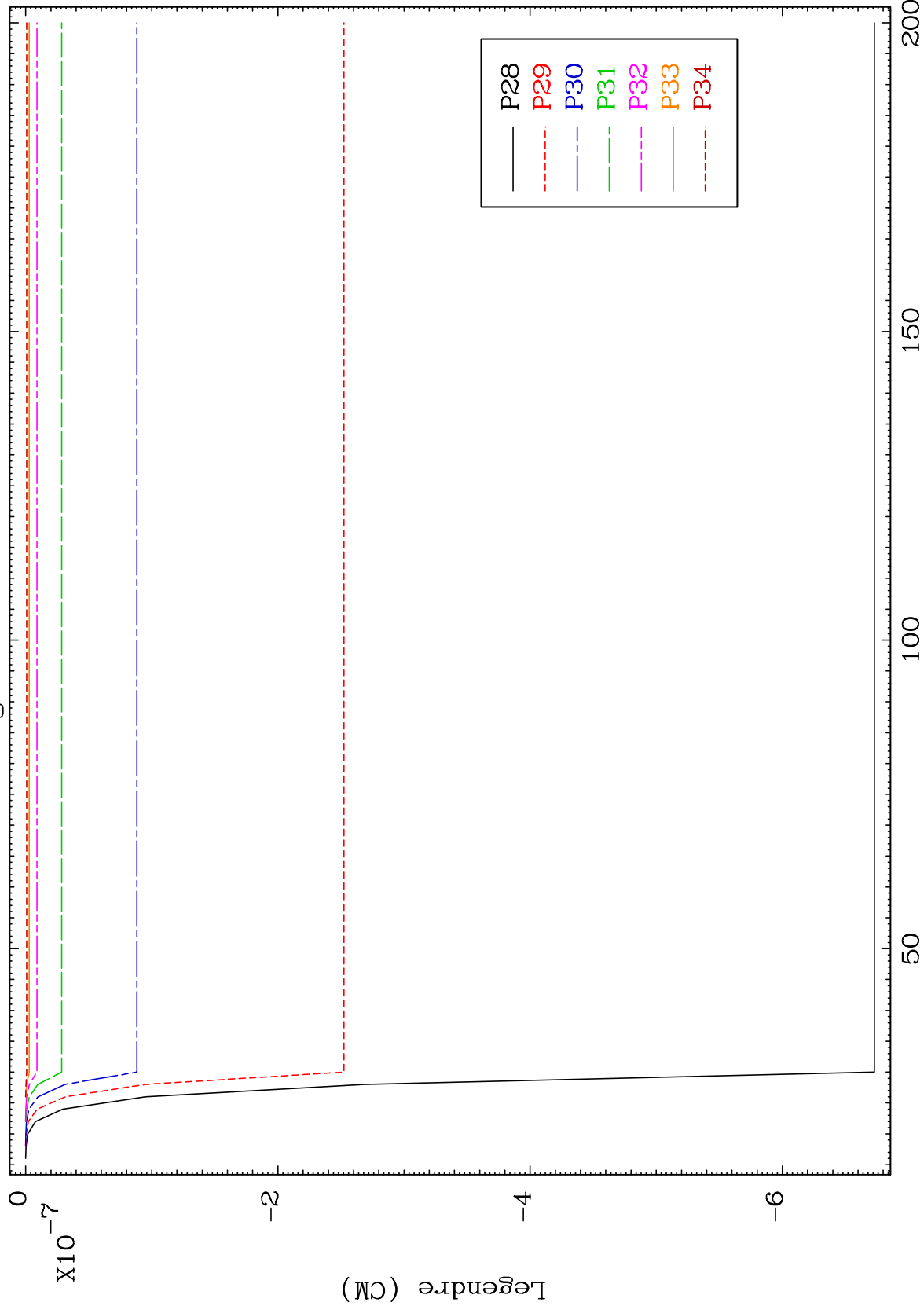


MAT 5425

MT= 71 (n,n') Level

54-Xe-124

Legendre Coefficients



95

Incident Energy (MeV)

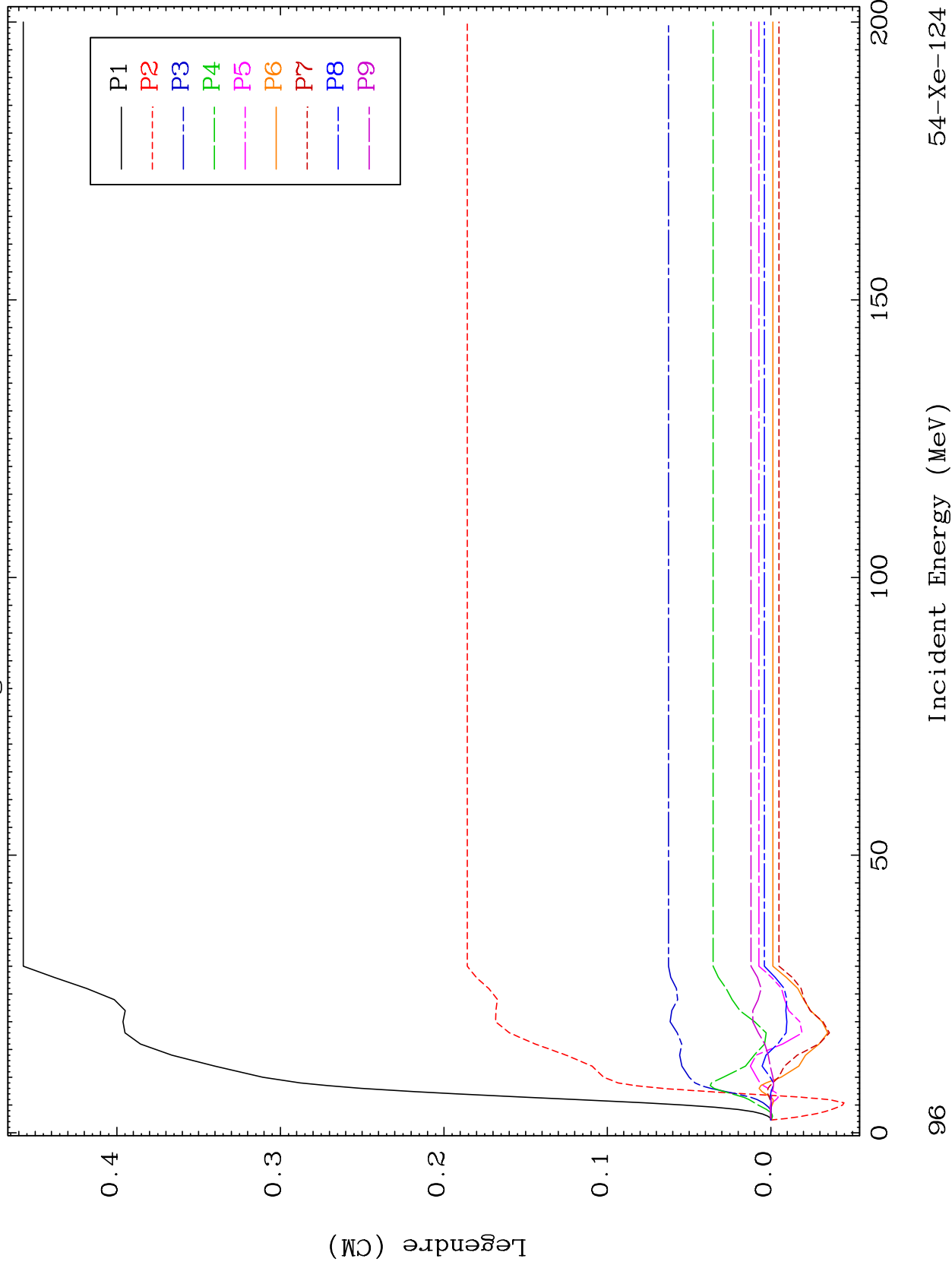
54-Xe-124



MAT 5425

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

54-Xe-124



54-Xe-124

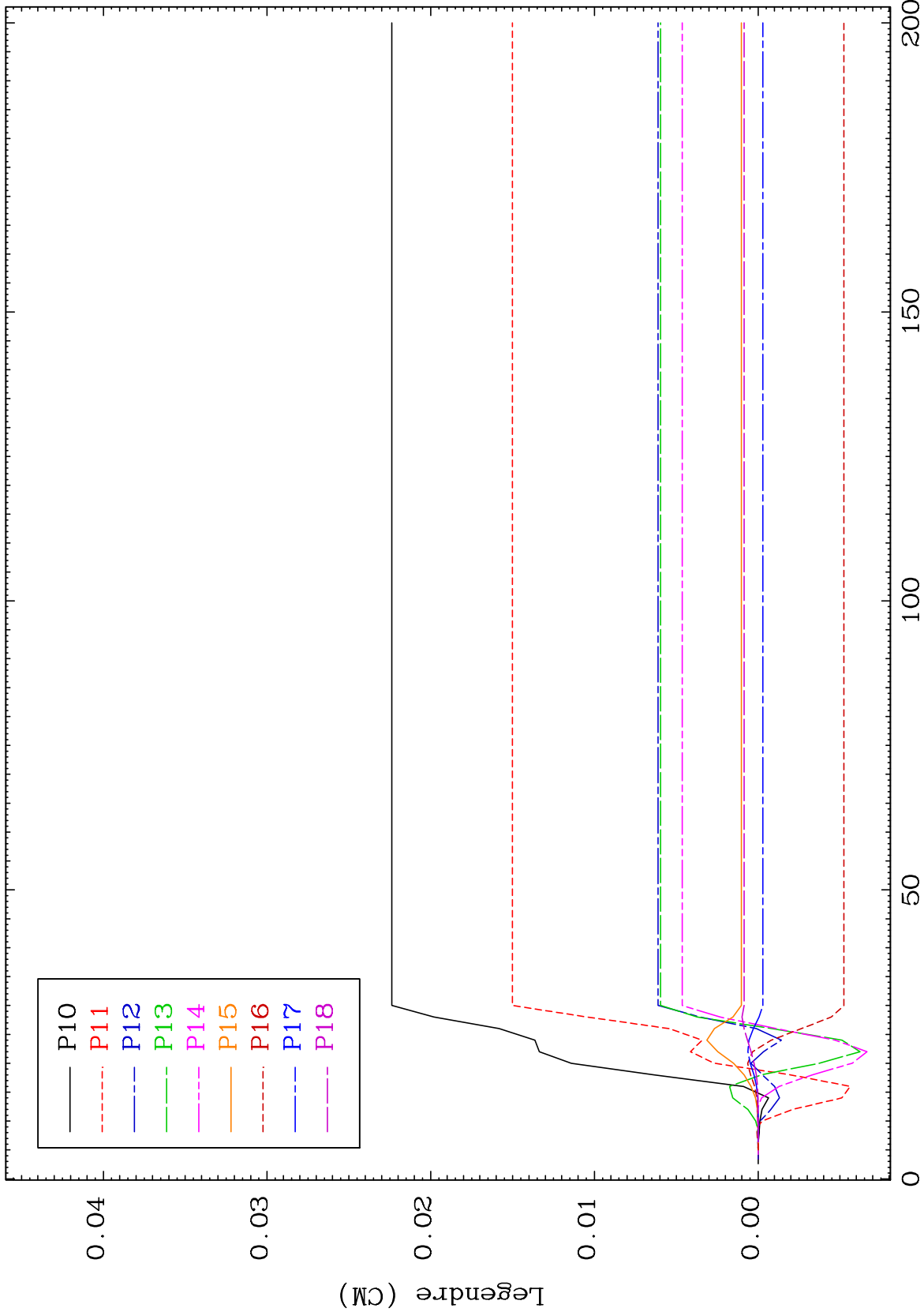
Incident Energy (MeV)

96

MAT 5425

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

54-Xe-124



97

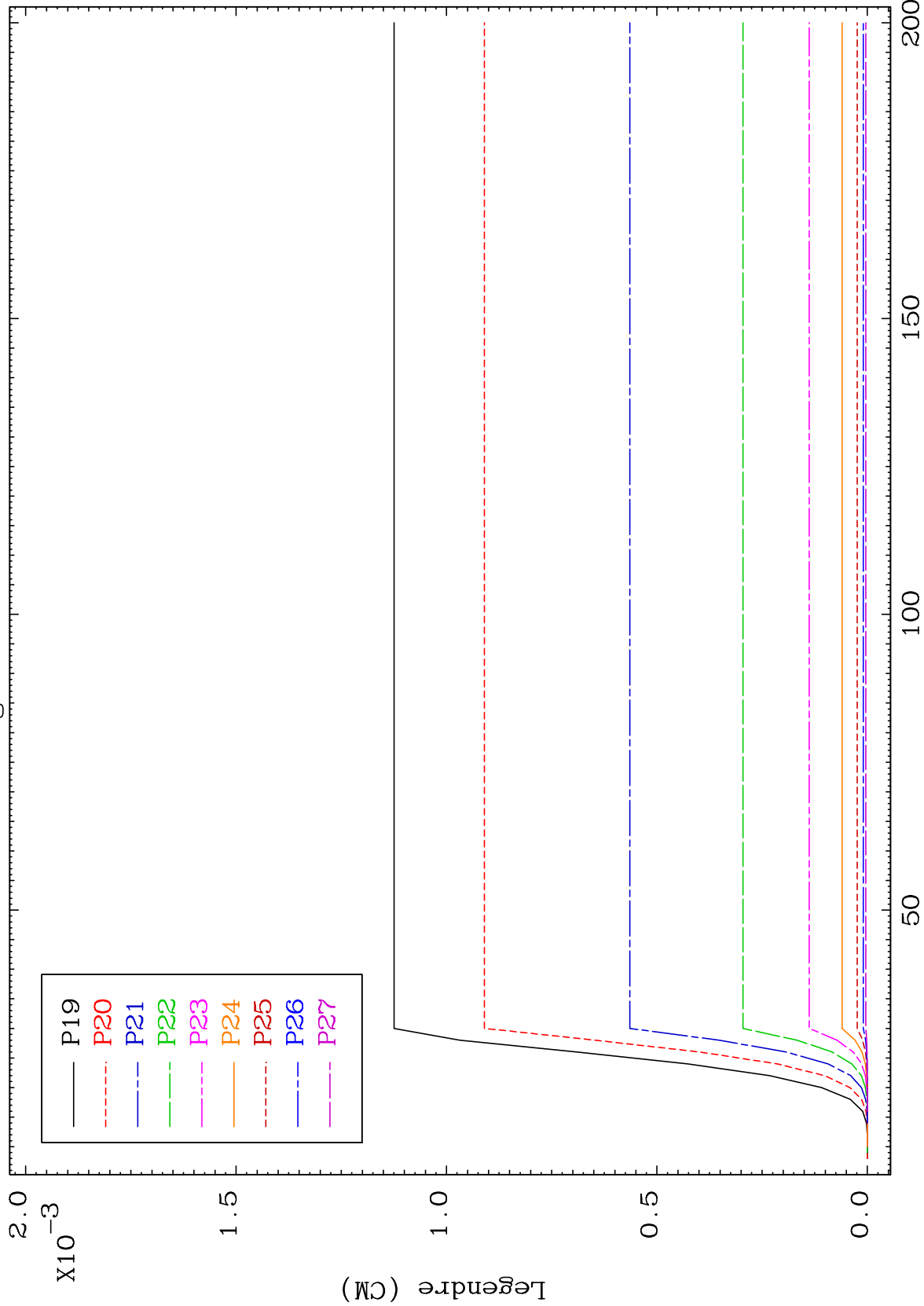
Incident Energy (MeV)

54-Xe-124

MAT 5425

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

54-Xe-124



98

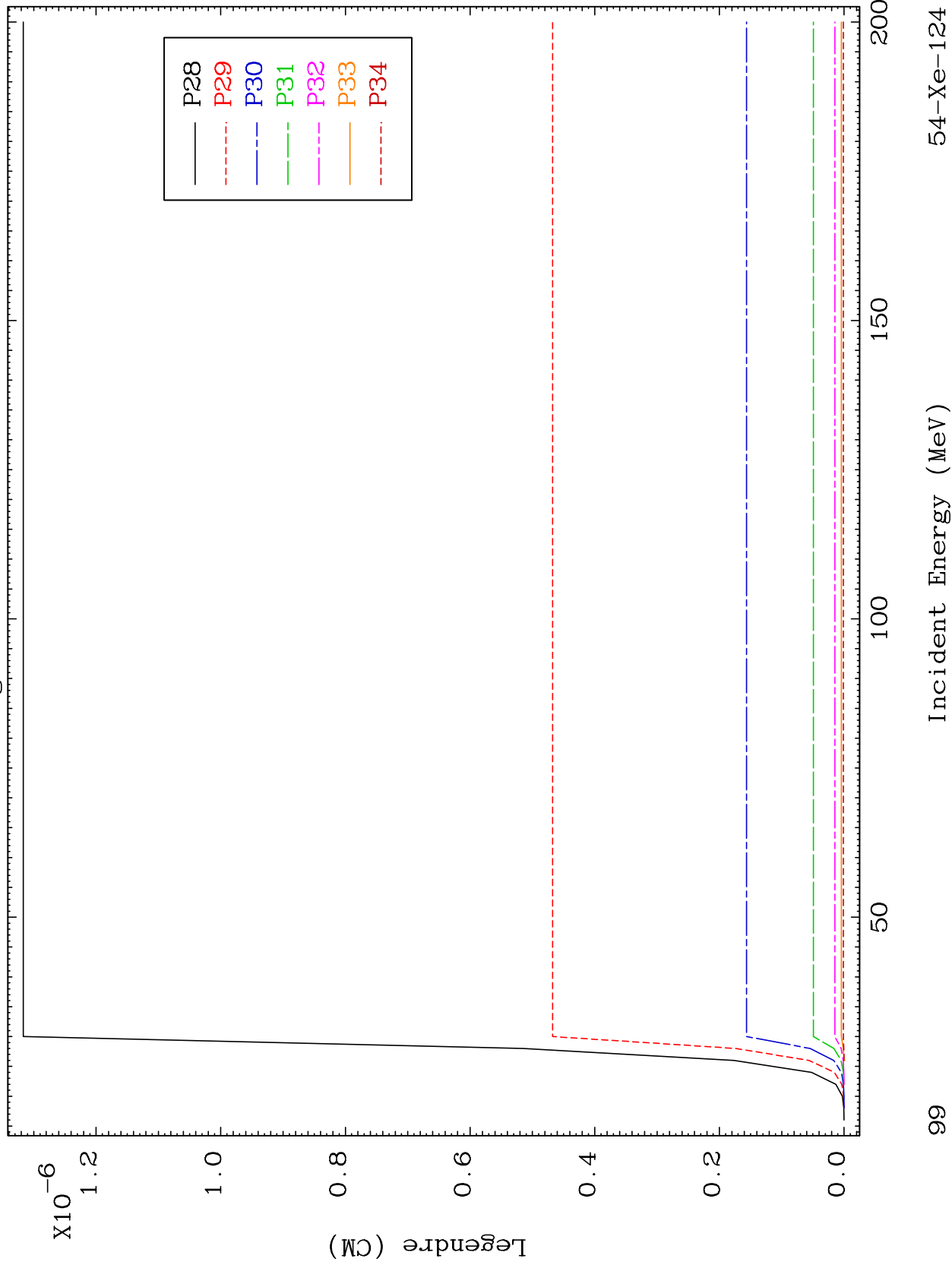
Incident Energy (MeV)

54-Xe-124

MAT 5425

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

54-Xe-124



99

Incident Energy (MeV)

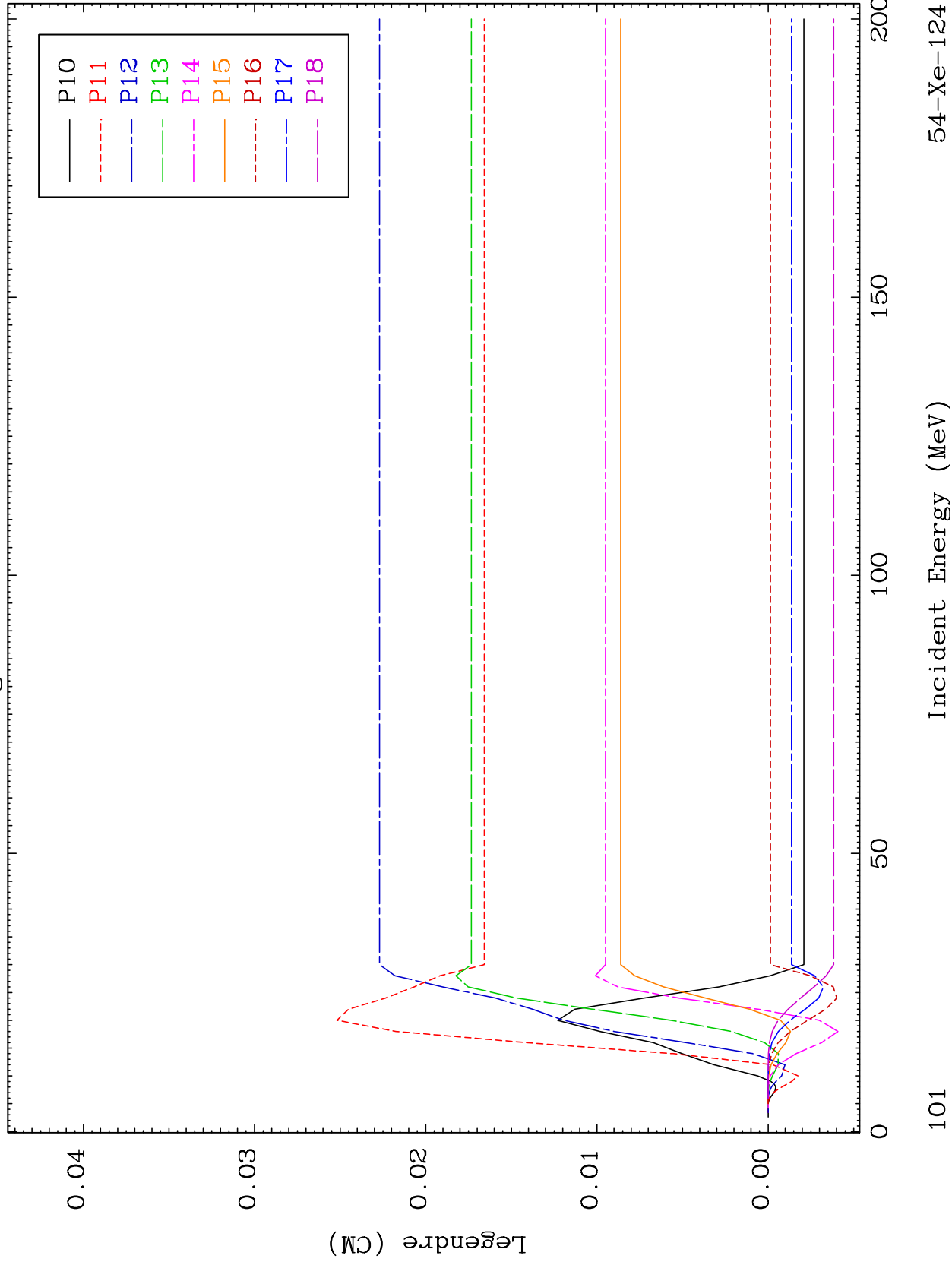
54-Xe-124



MAT 5425

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

54-Xe-124



101

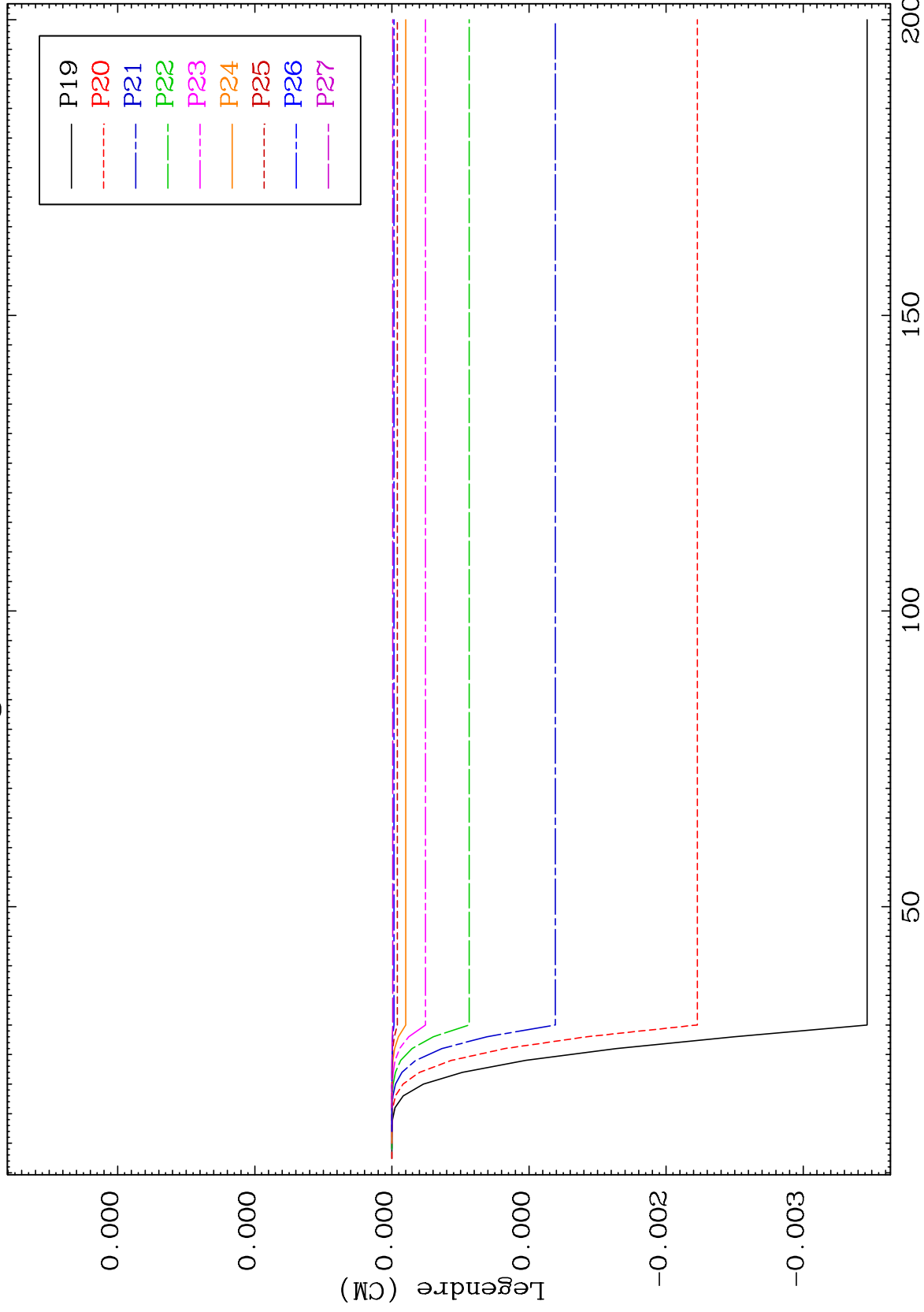
Incident Energy (MeV)

54-Xe-124

MAT 5425

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

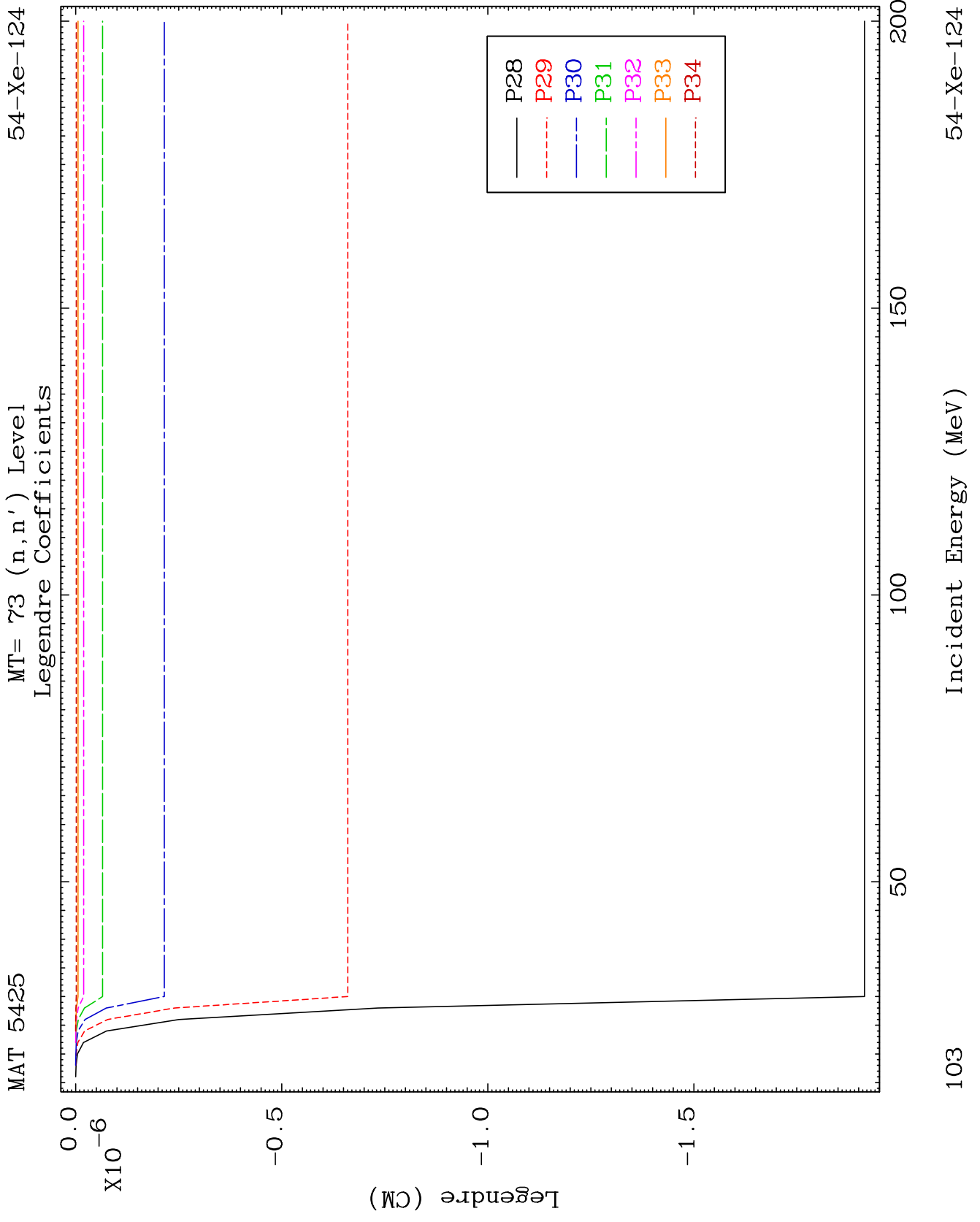
54-Xe-124



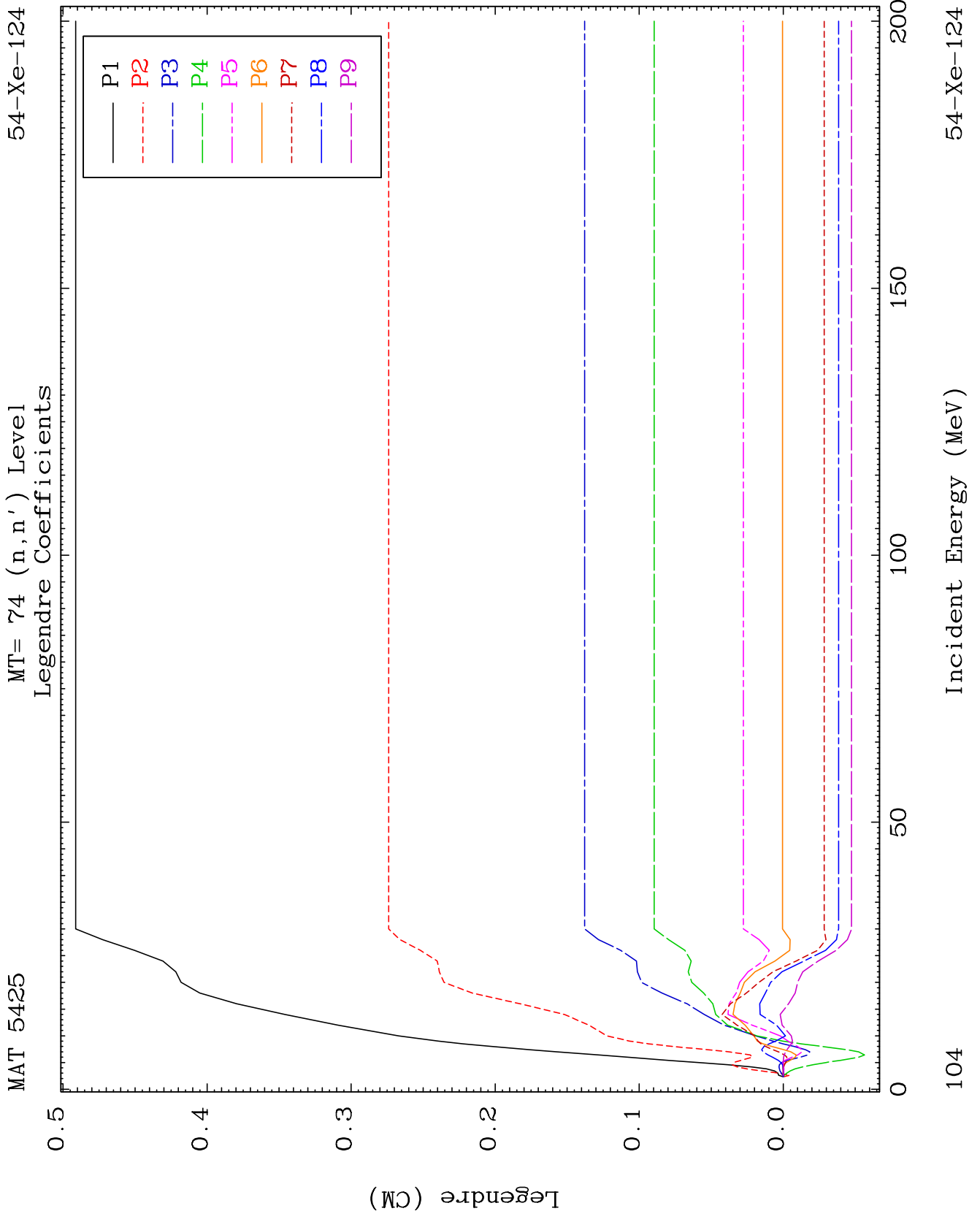
102

Incident Energy (MeV)

54-Xe-124



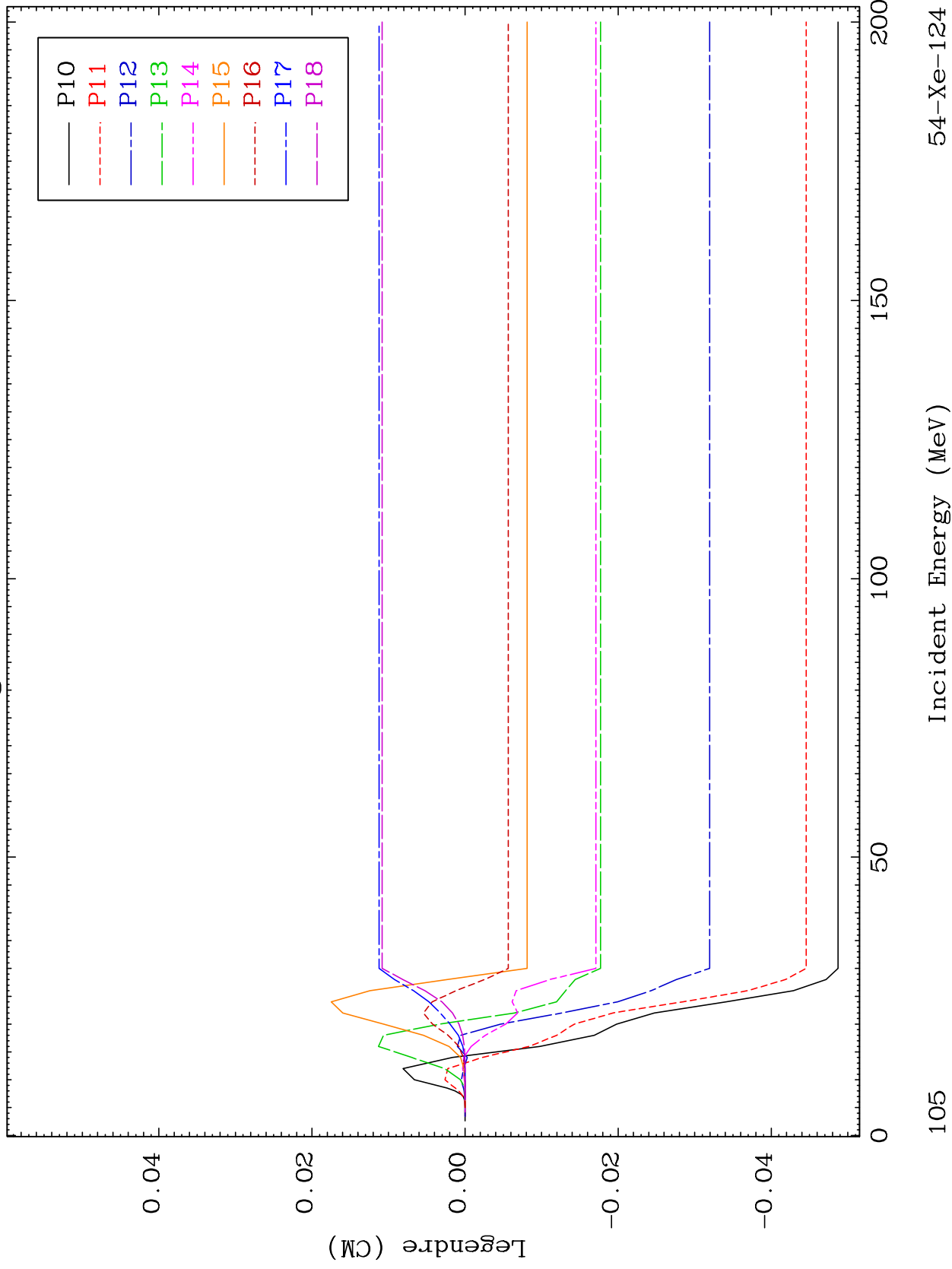




MAT 5425

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

54-Xe-124



54-Xe-124

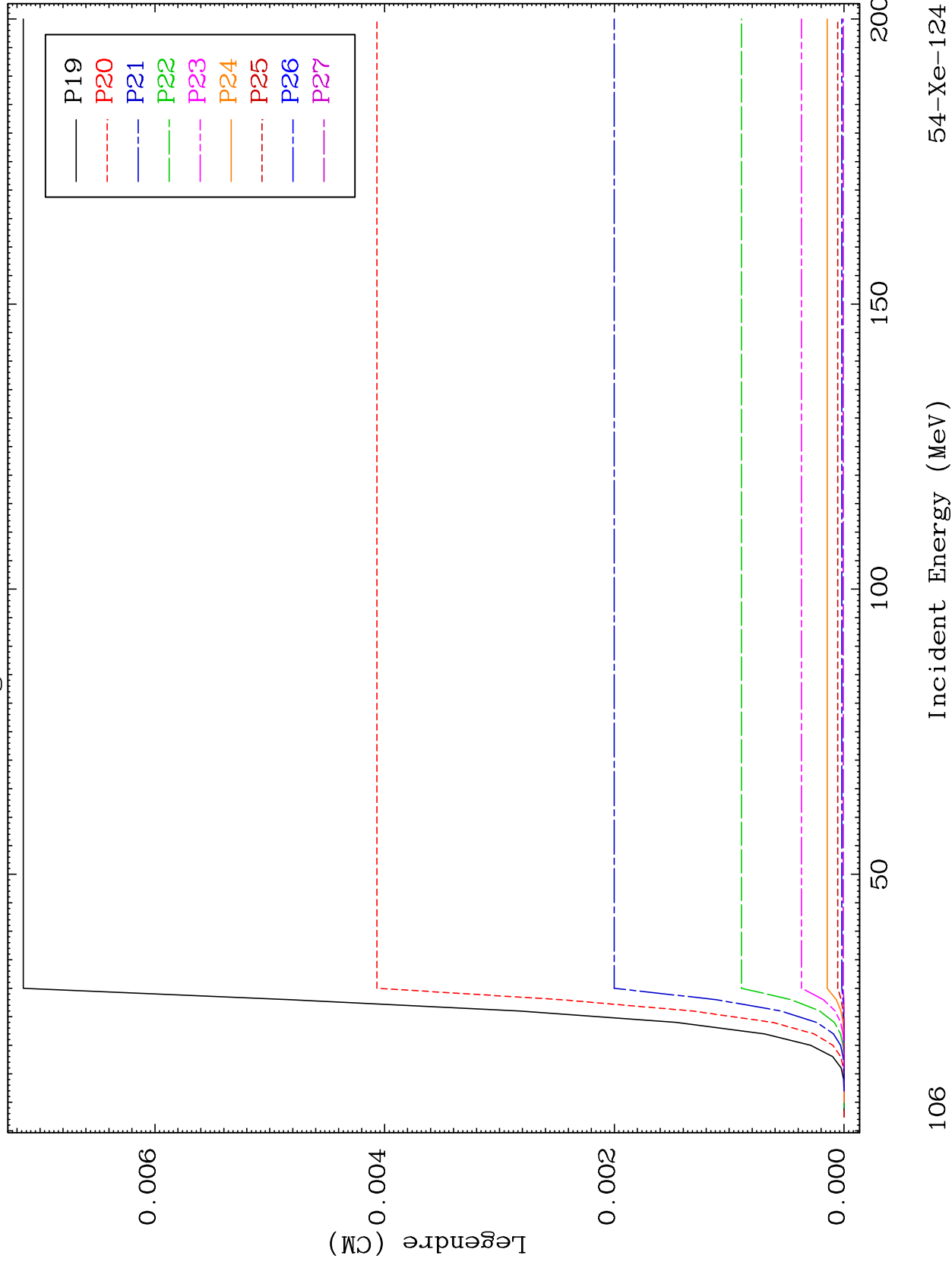
Incident Energy (MeV)

105

MAT 5425

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

54-Xe-124



106

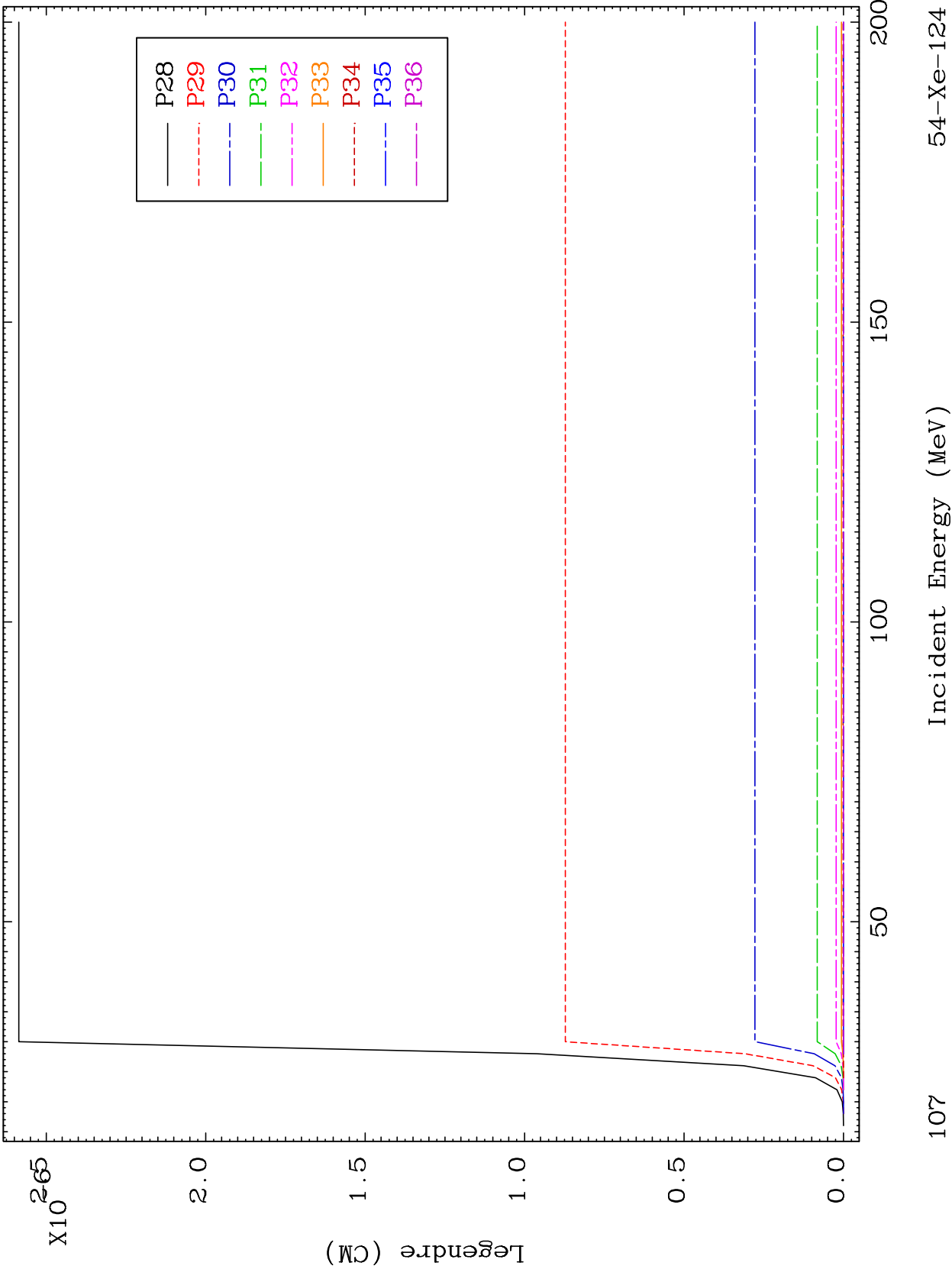
Incident Energy (MeV)

54-Xe-124

MAT 5425

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

54-Xe-124



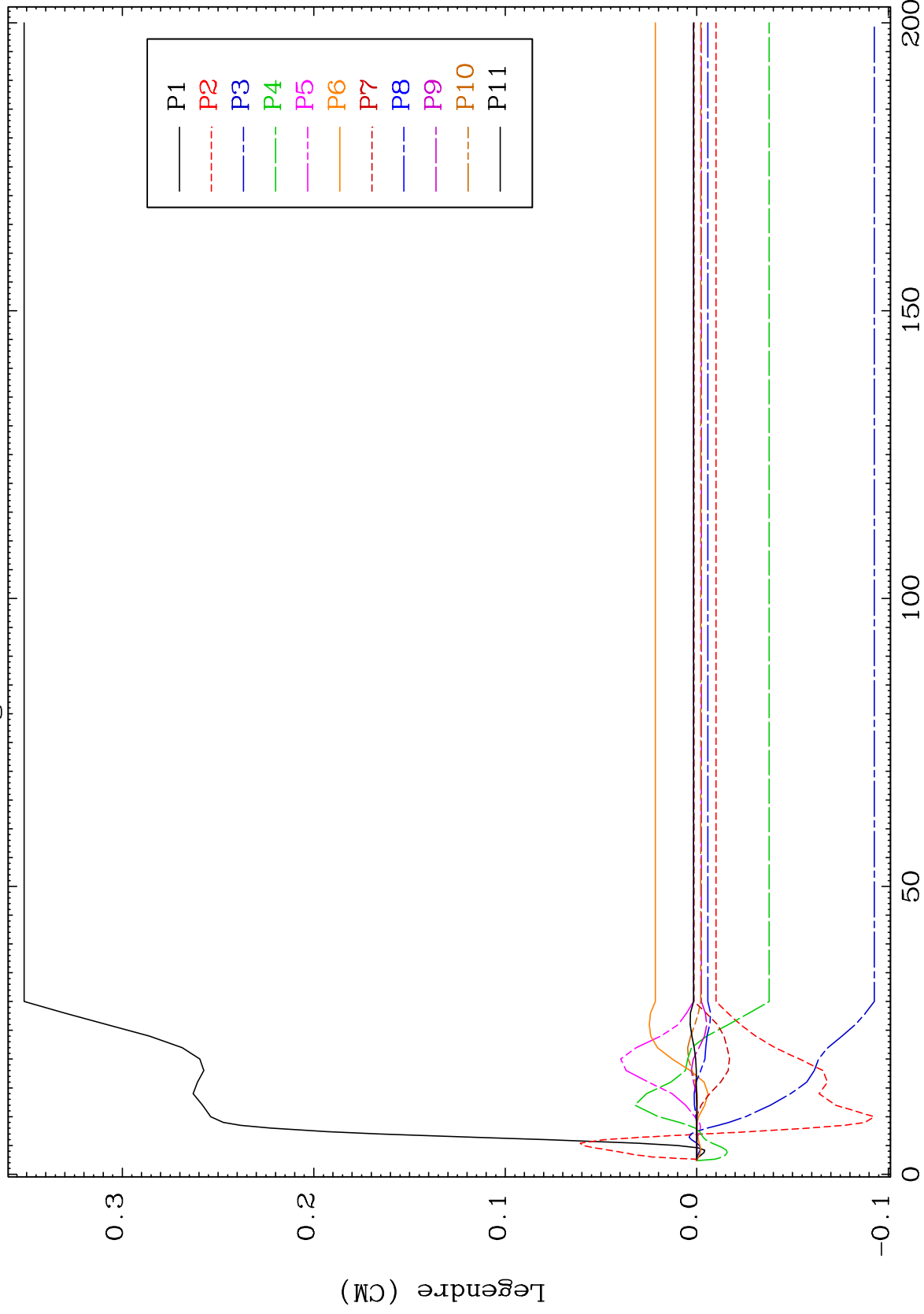
107

54-Xe-124

MAT 5425

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

54-Xe-124



108

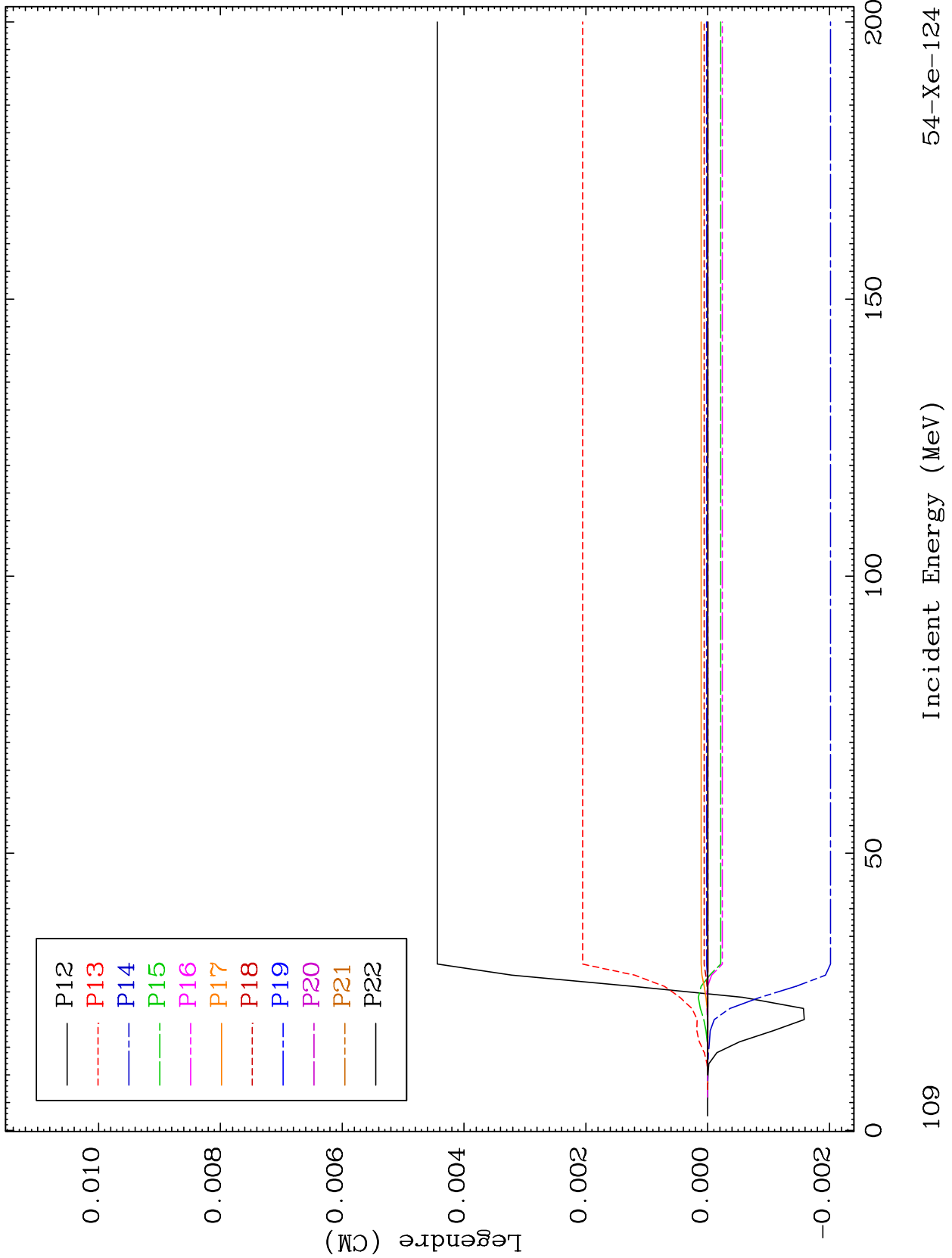
Incident Energy (MeV)

54-Xe-124

MAT 5425

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

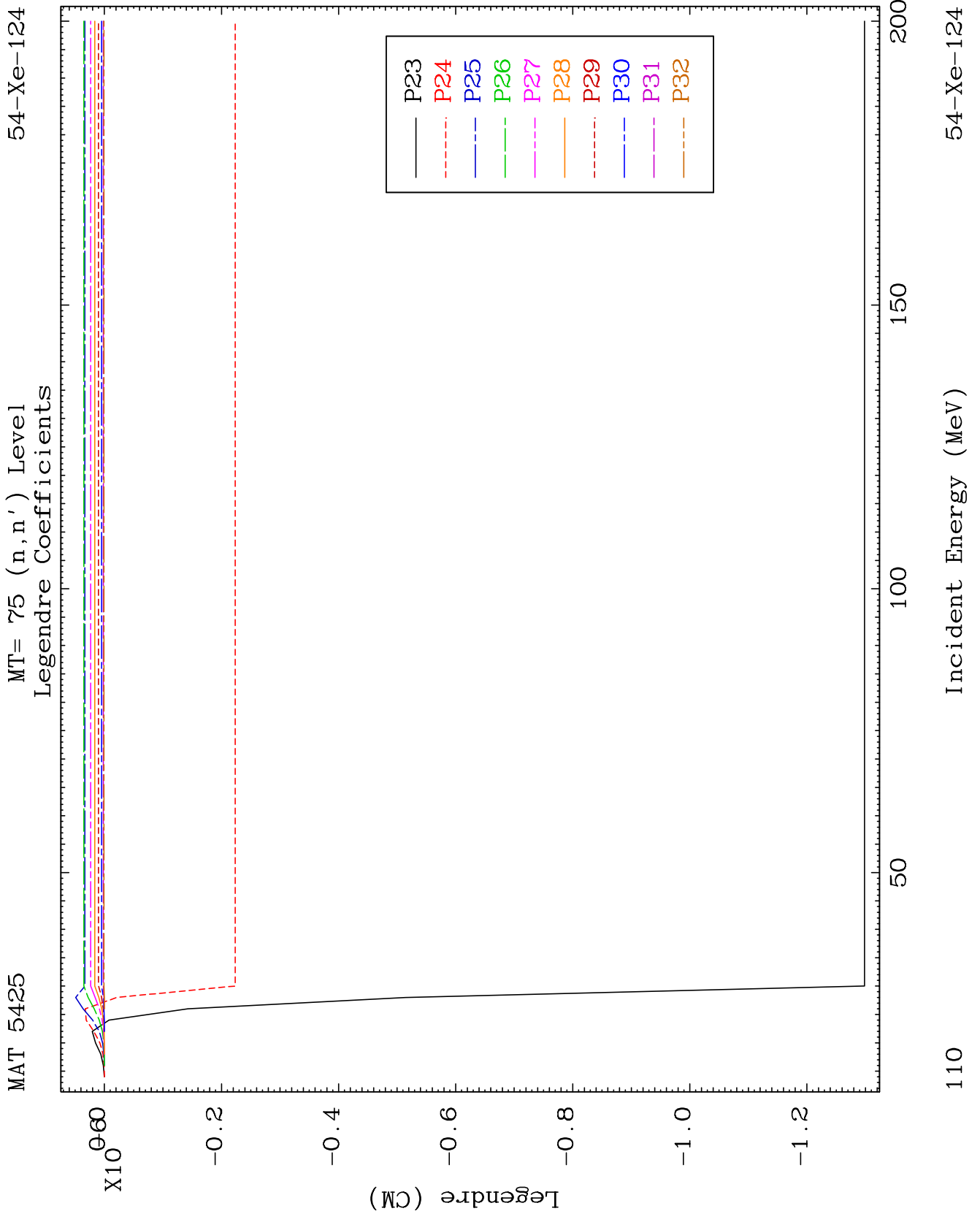
54-Xe-124



109

Incident Energy (MeV)

54-Xe-124



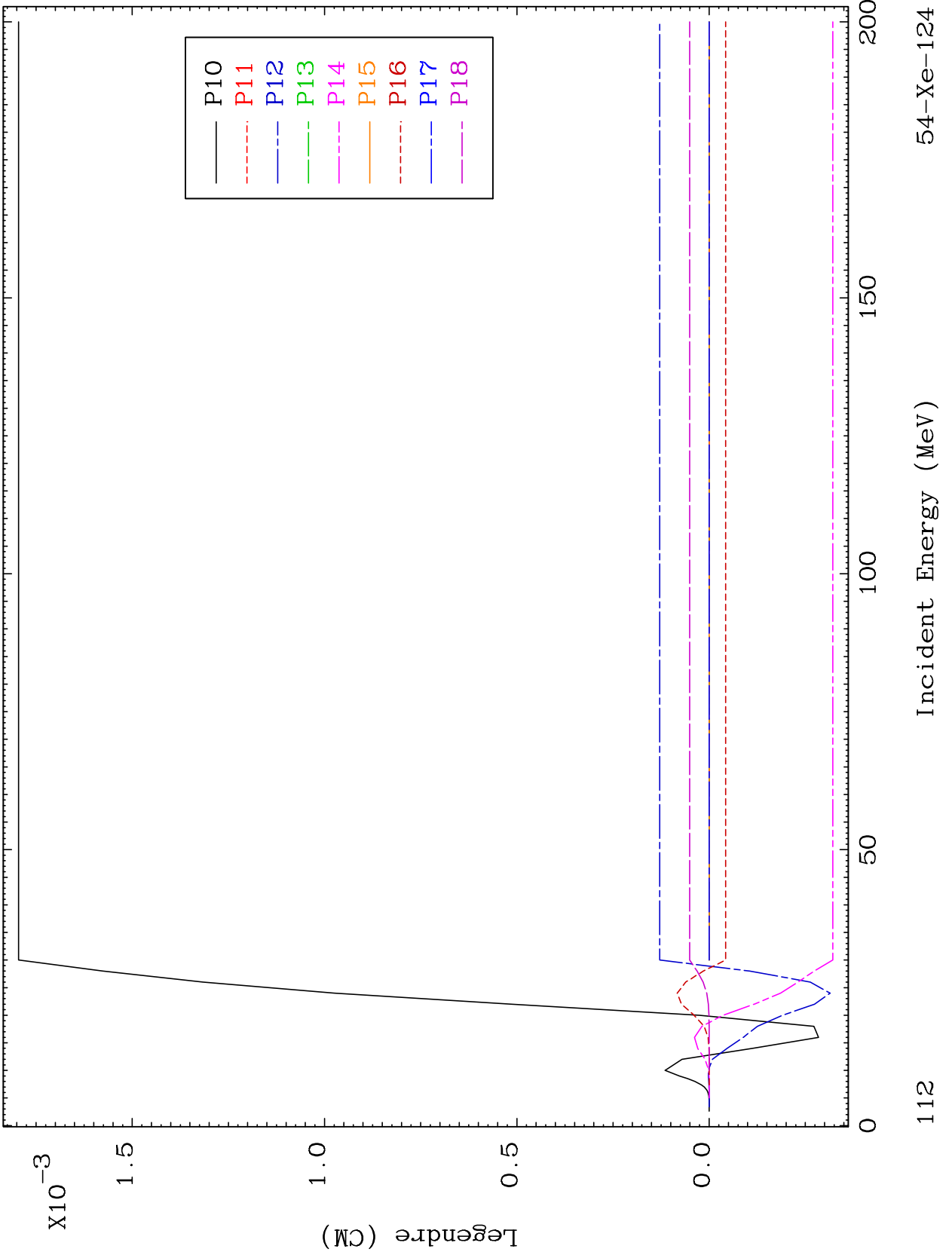




MAT 5425

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

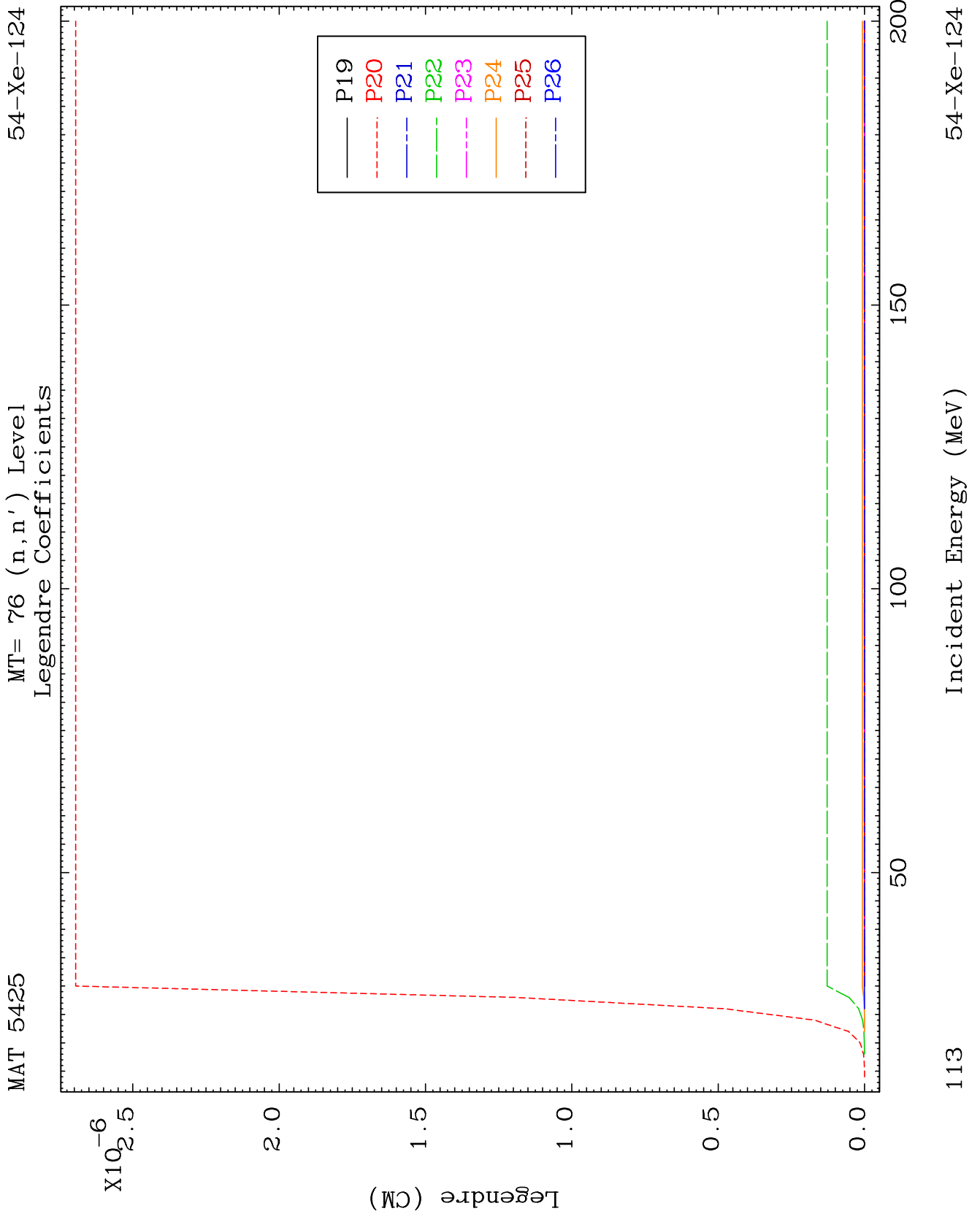
54-Xe-124



54-Xe-124

Incident Energy (MeV)

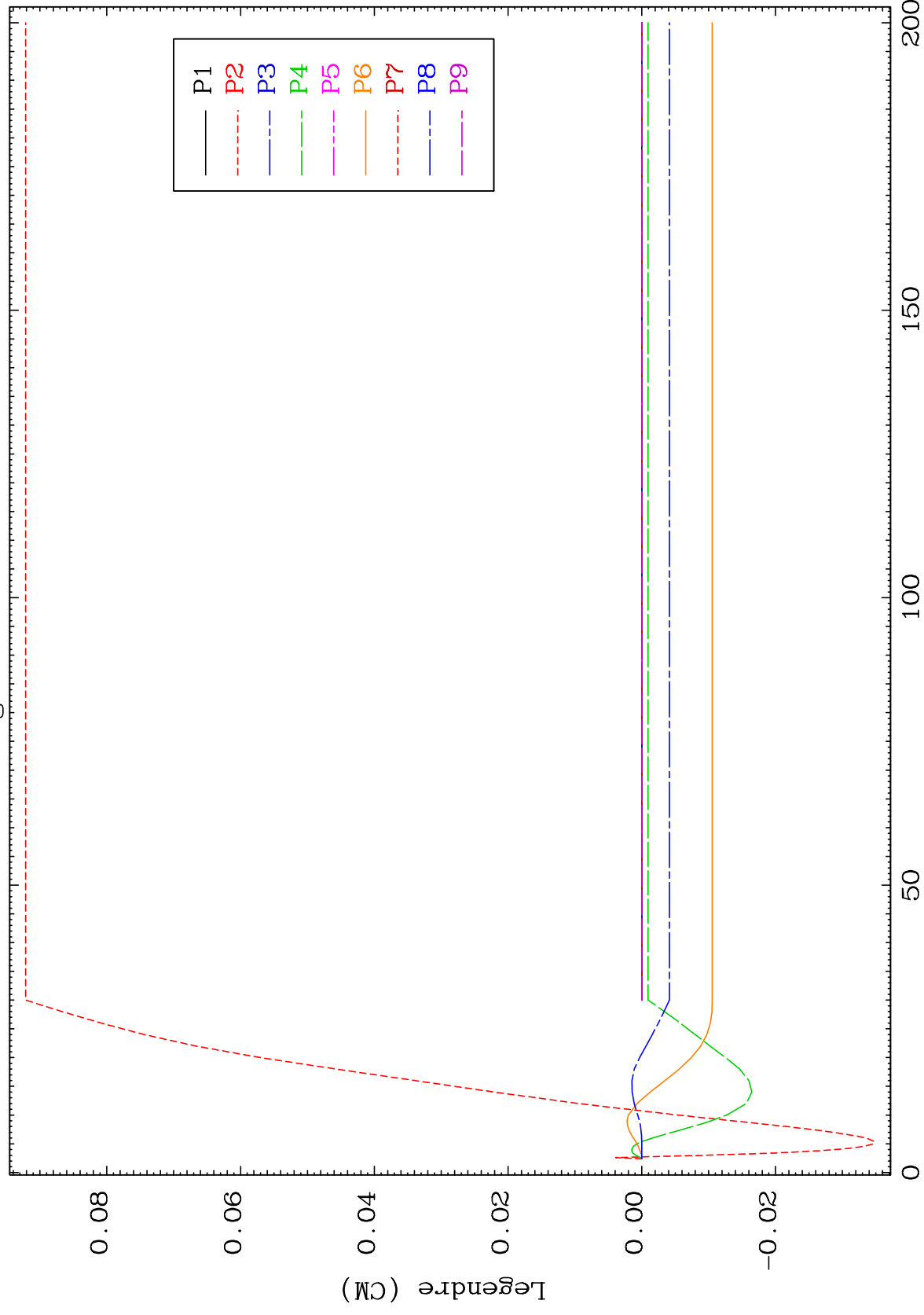
112



MAT 5425

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

54-Xe-124



114

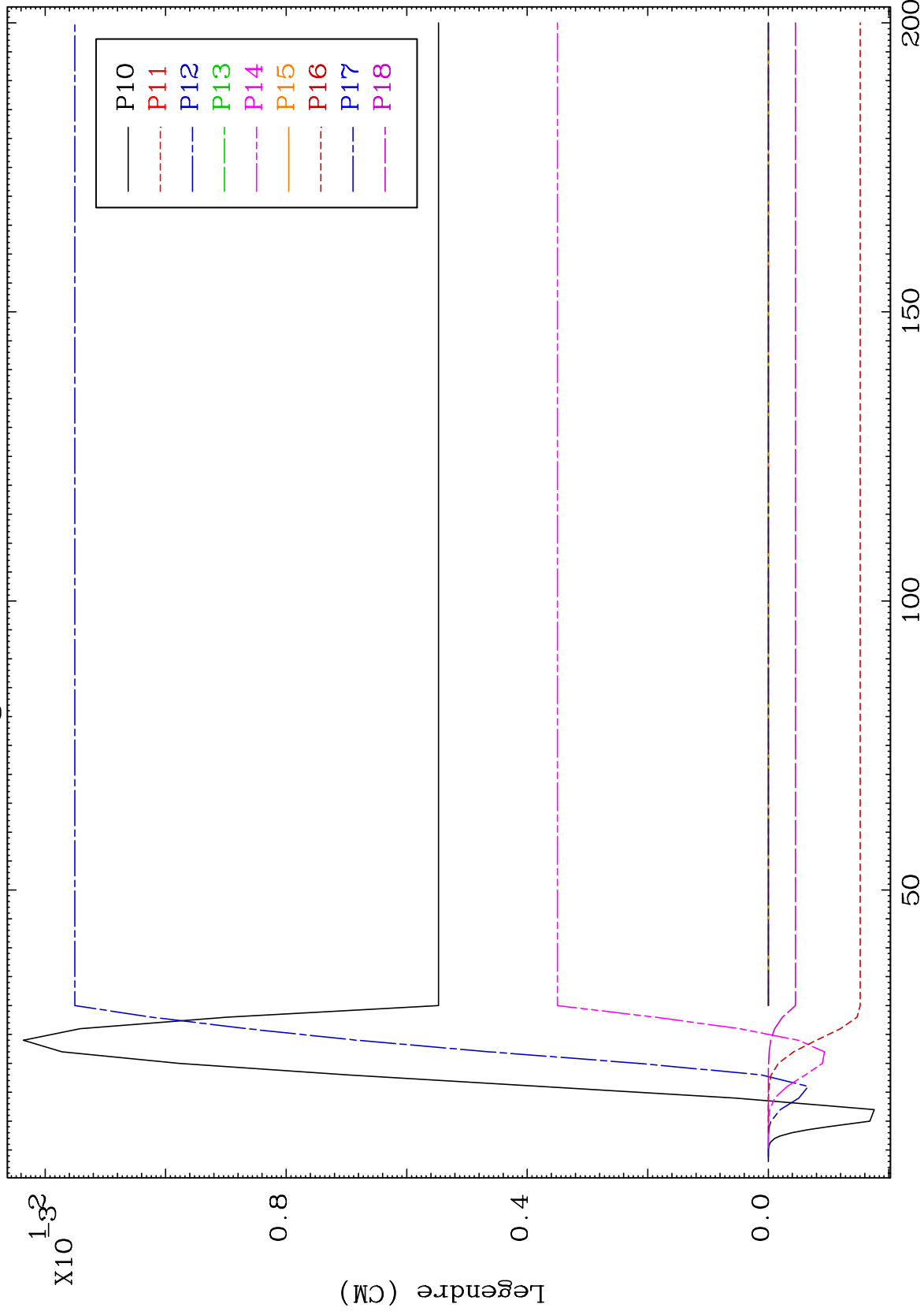
Incident Energy (MeV)

54-Xe-124

MAT 5425

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

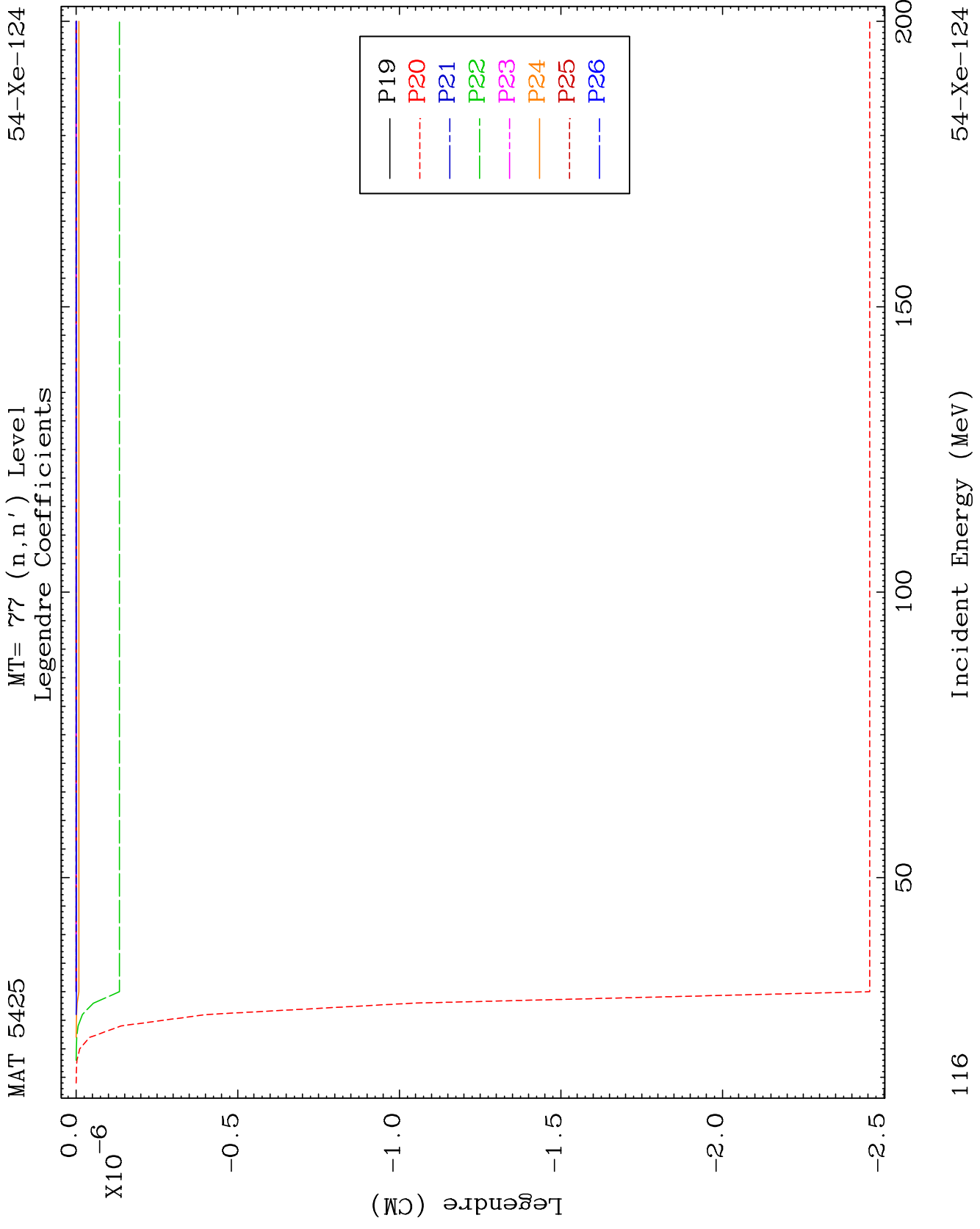
54-Xe-124

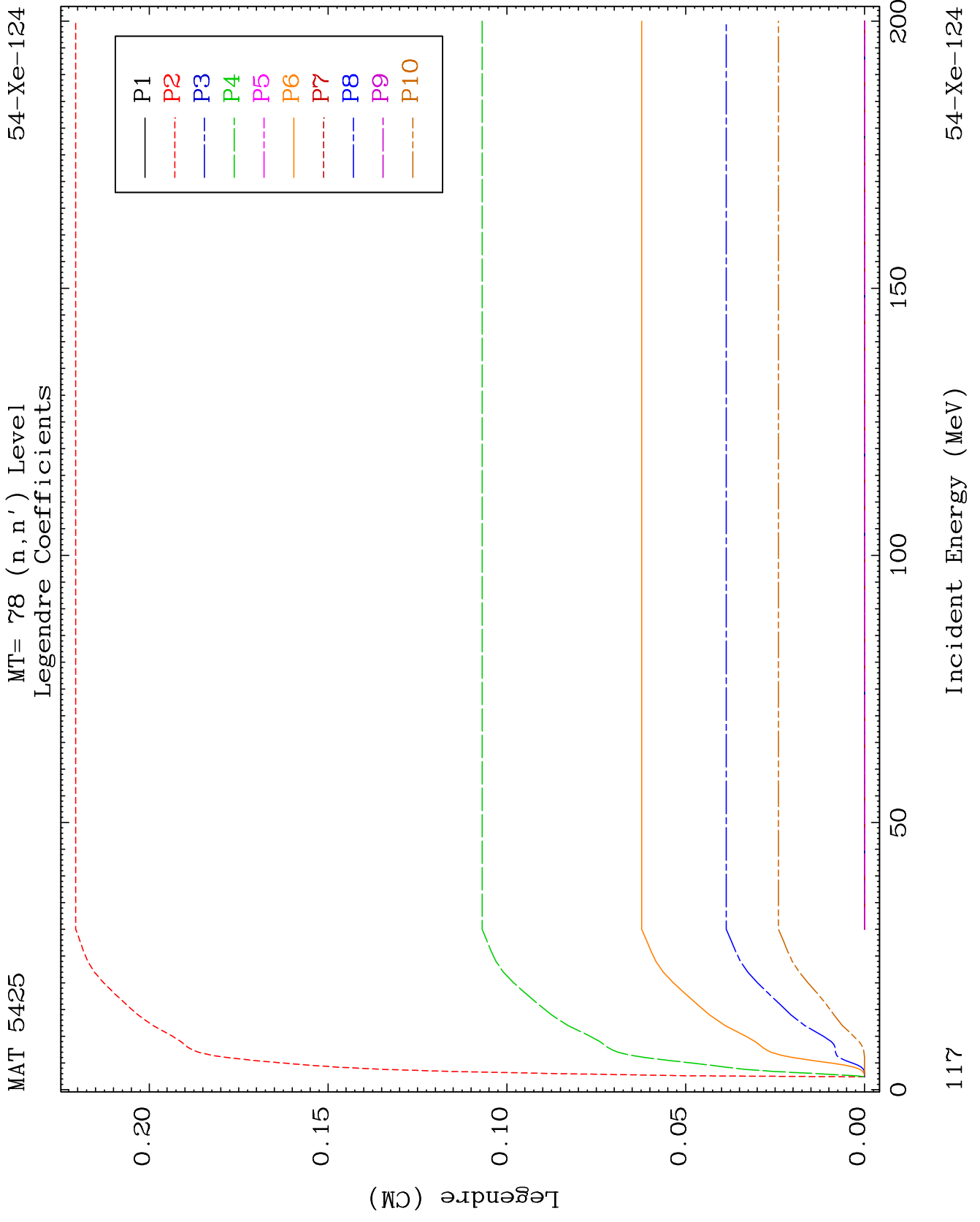


115

Incident Energy (MeV)

54-Xe-124

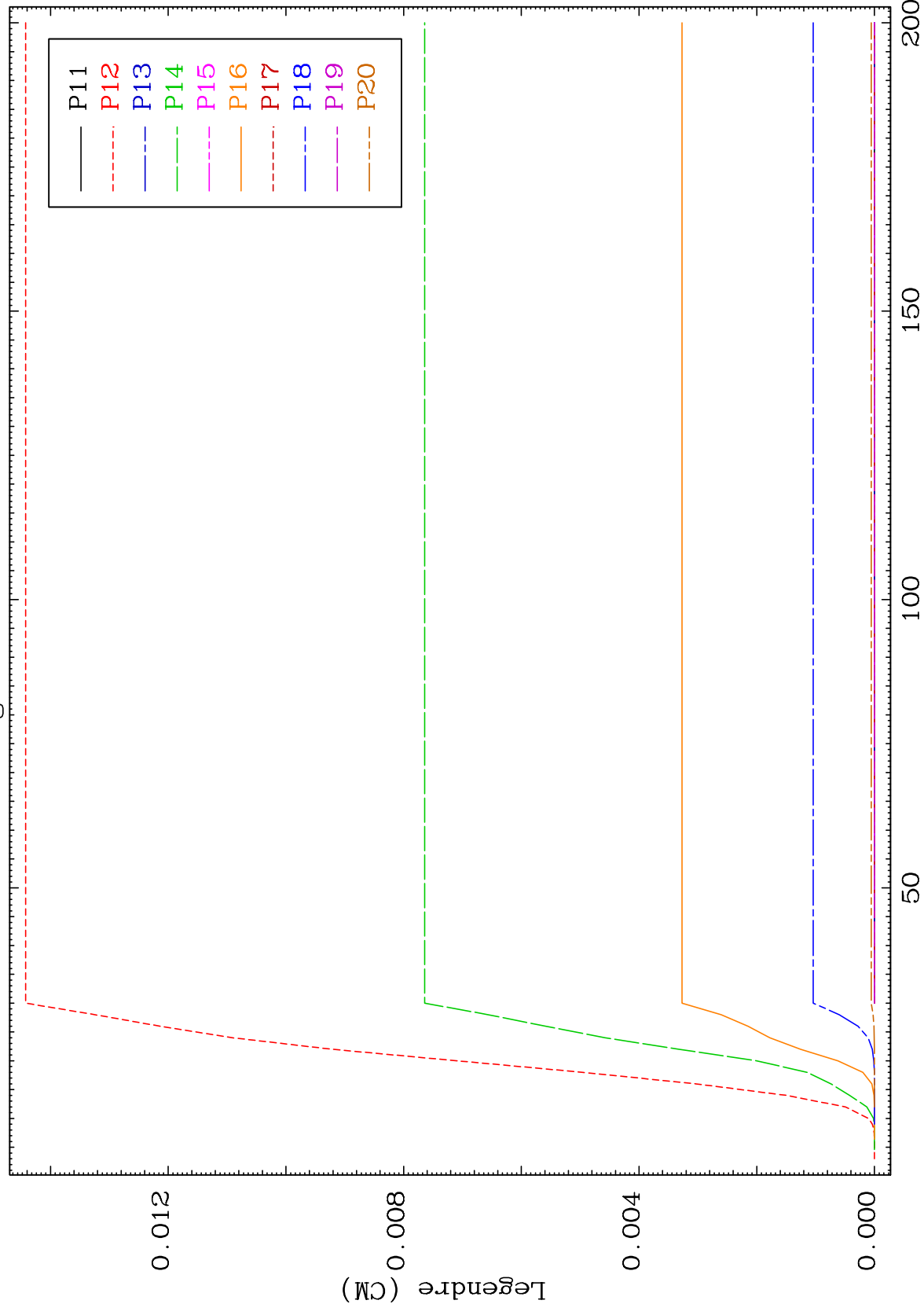




MAT 5425

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

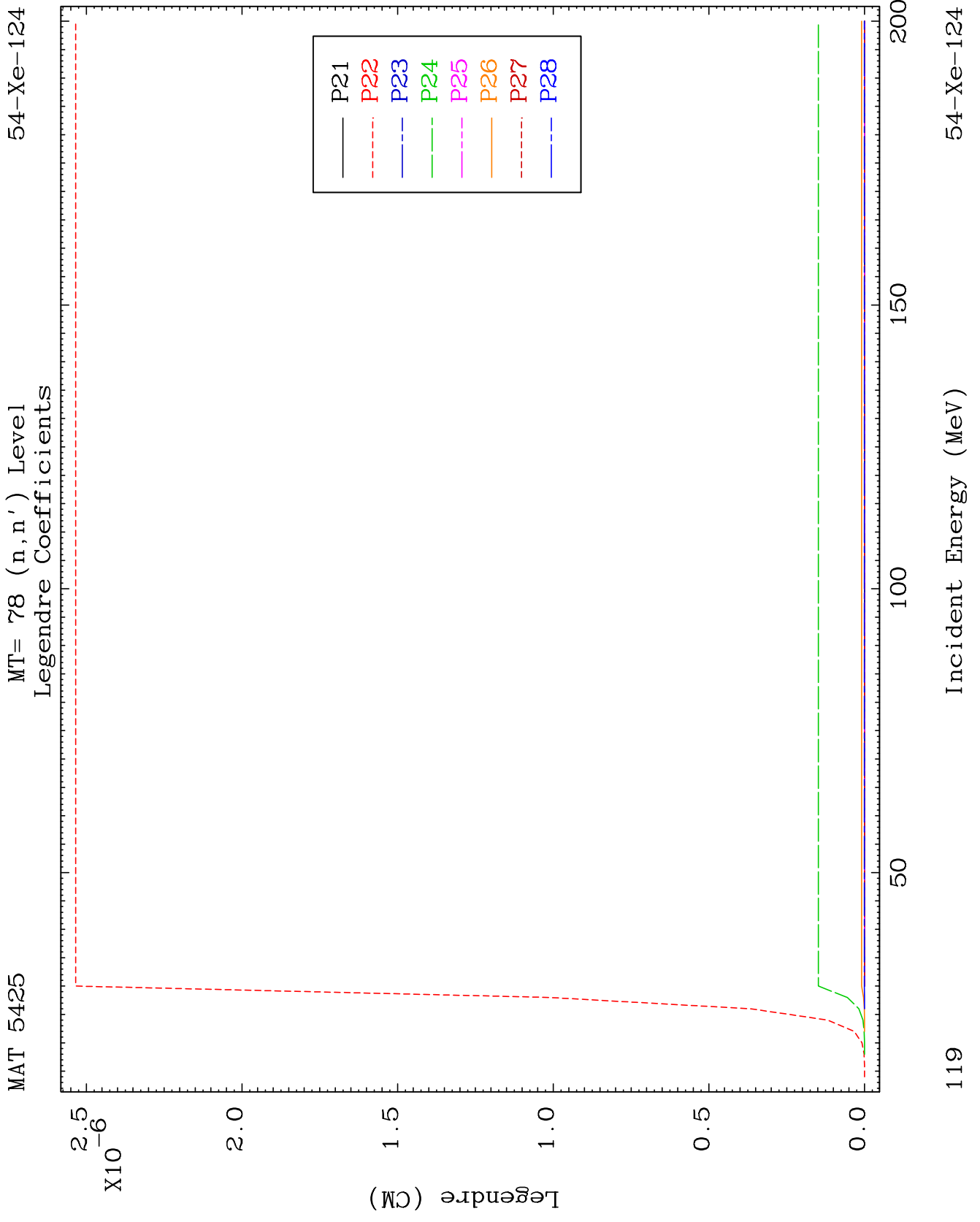
54-Xe-124



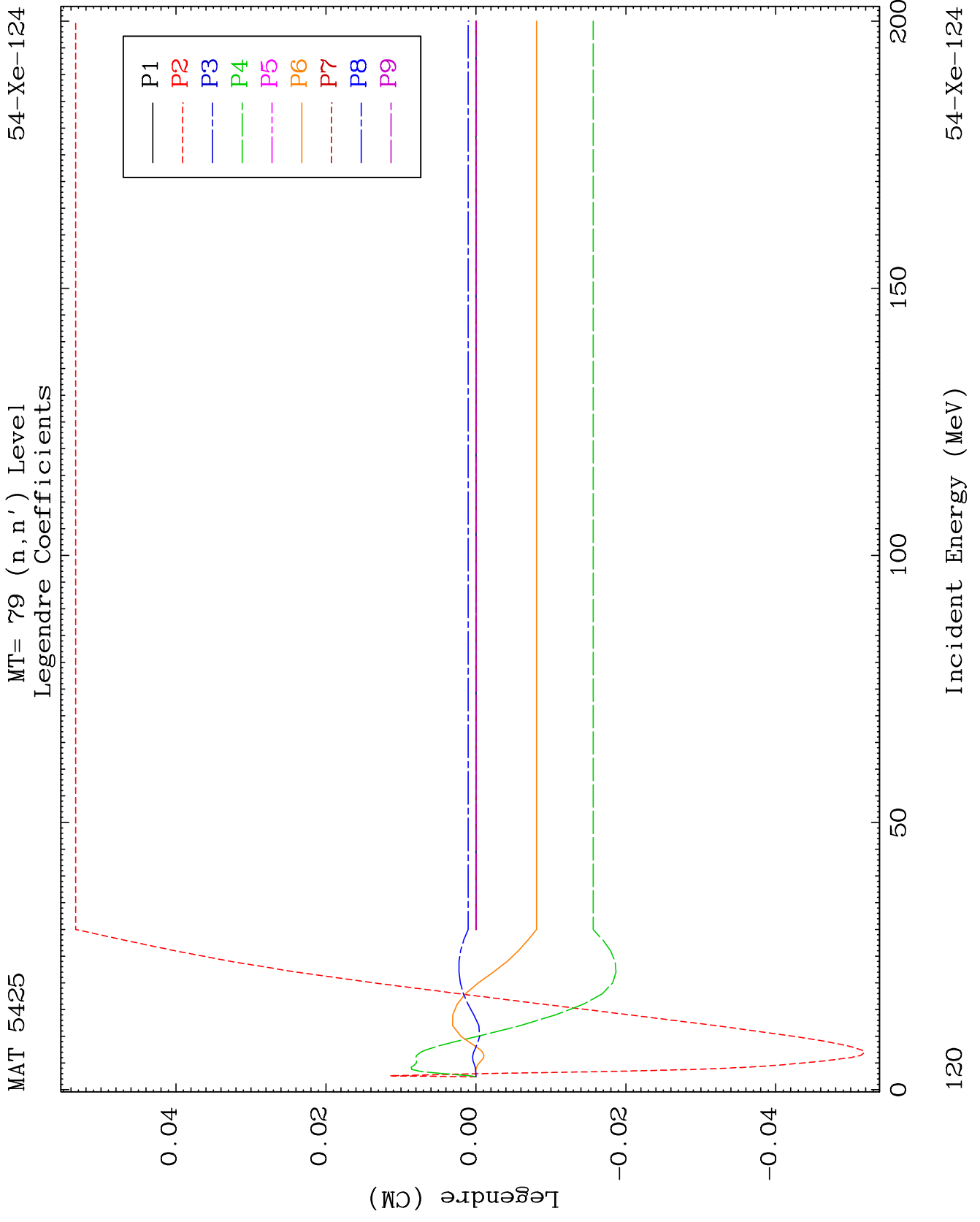
118

Incident Energy (MeV)

54-Xe-124



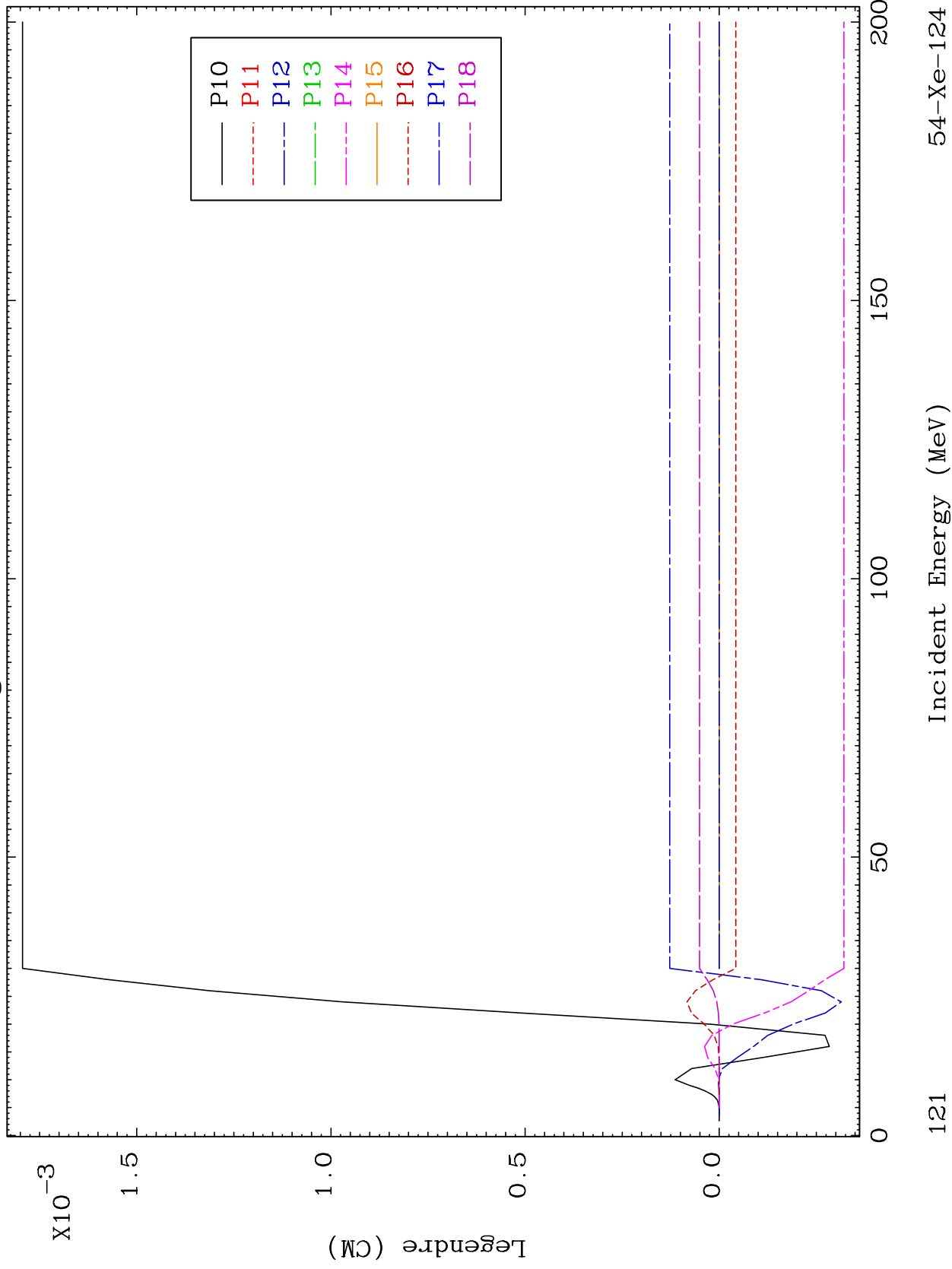


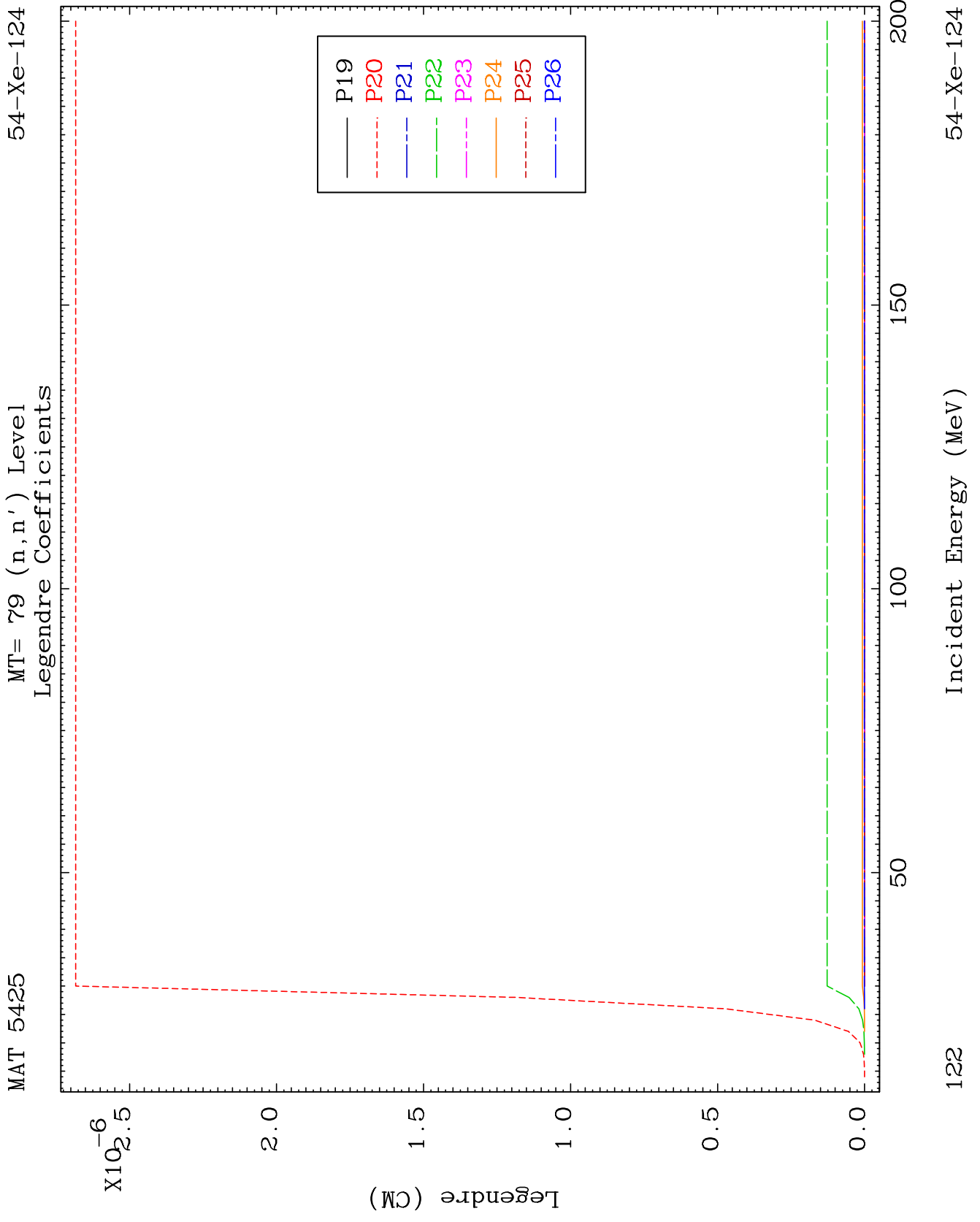


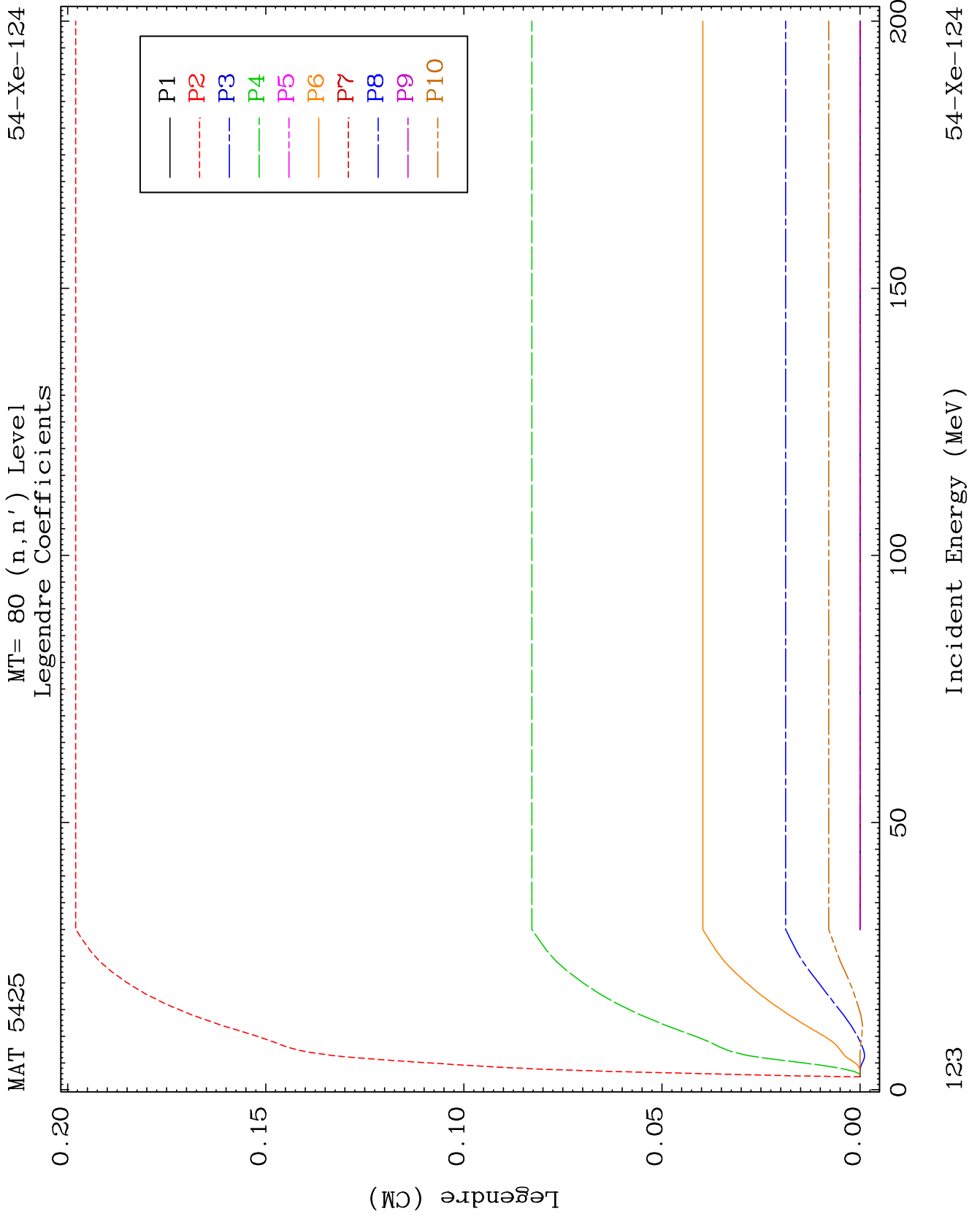
MAT 5425

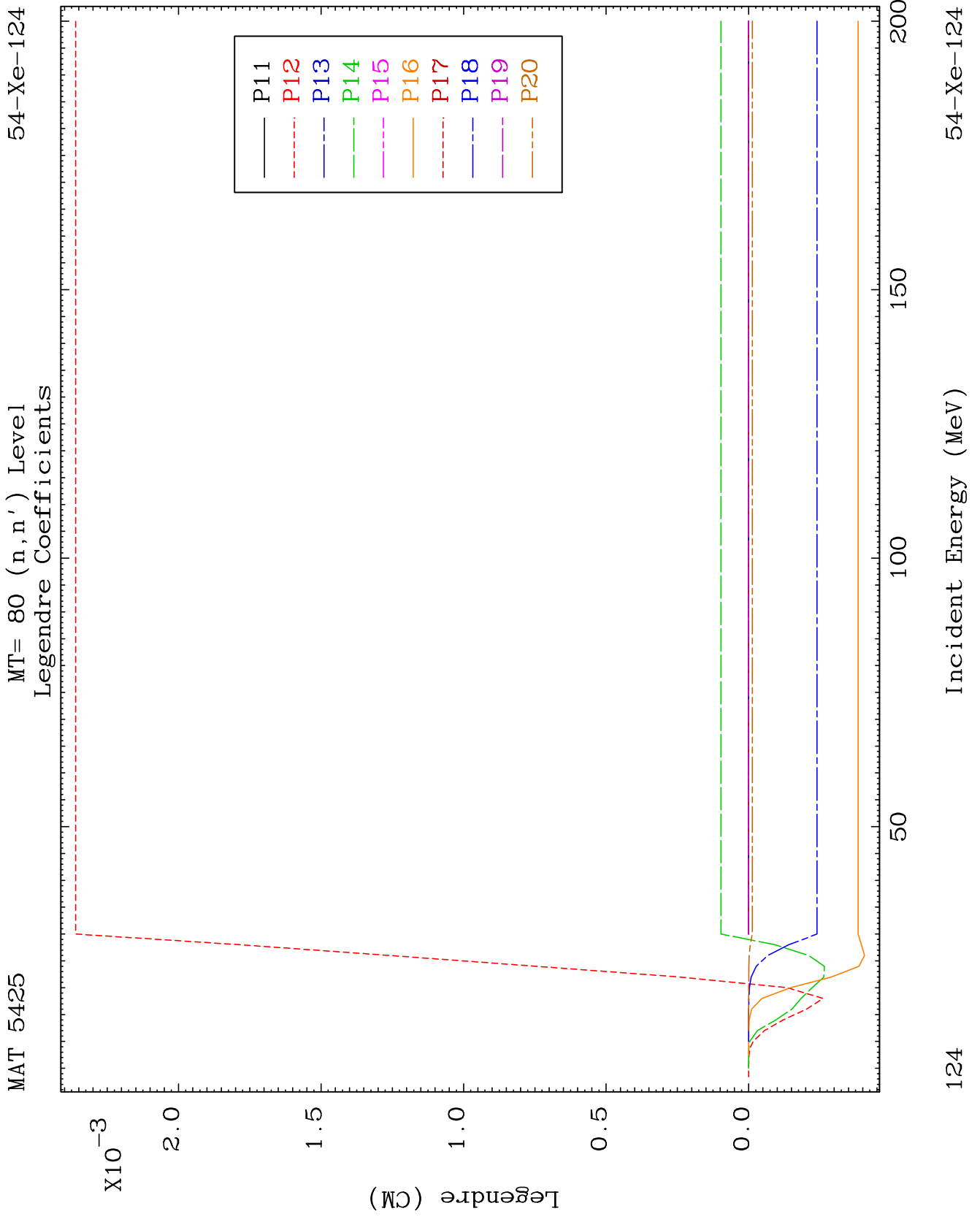
MT= 79 (n,n') Level  
Legendre Coefficients

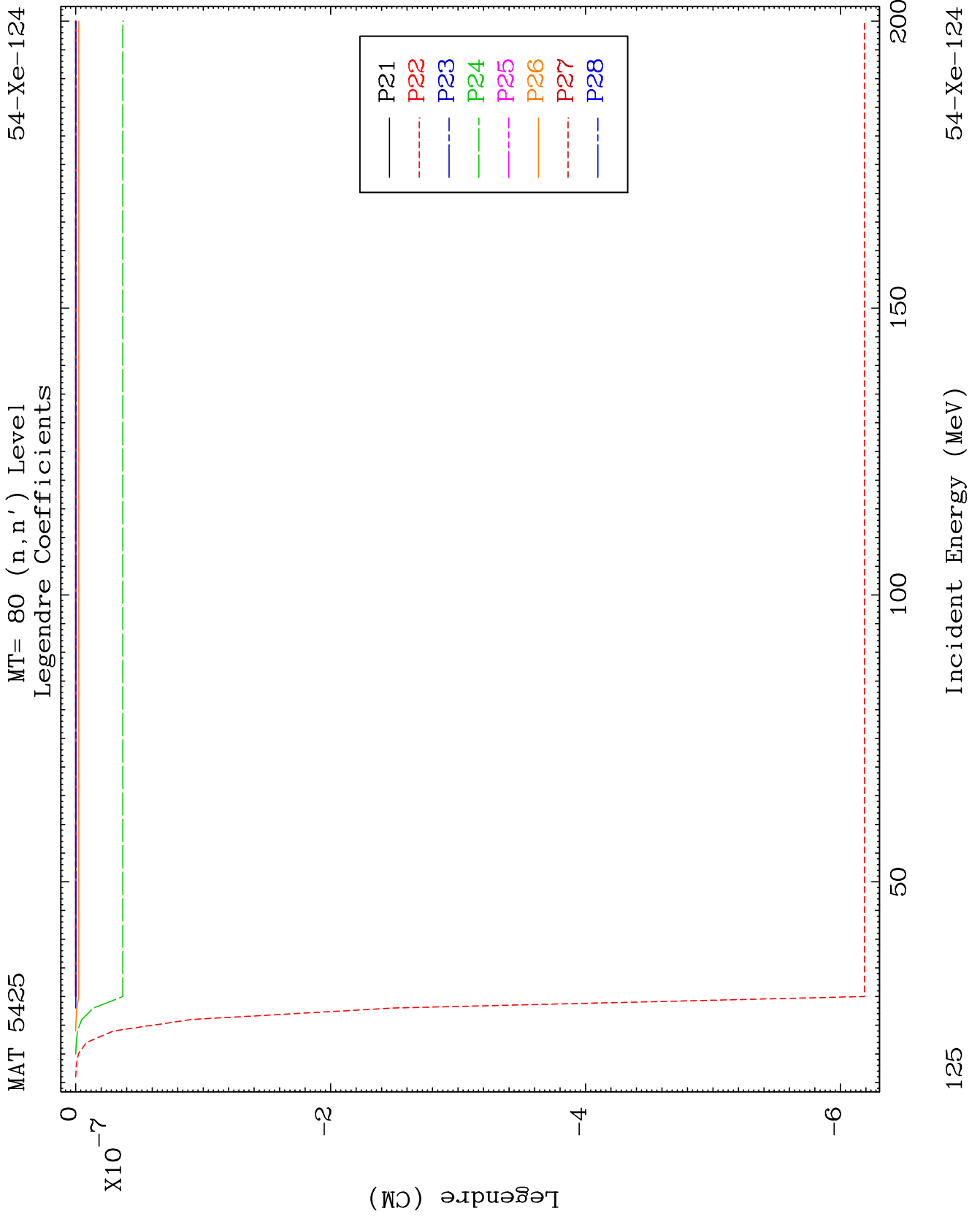
54-Xe-124



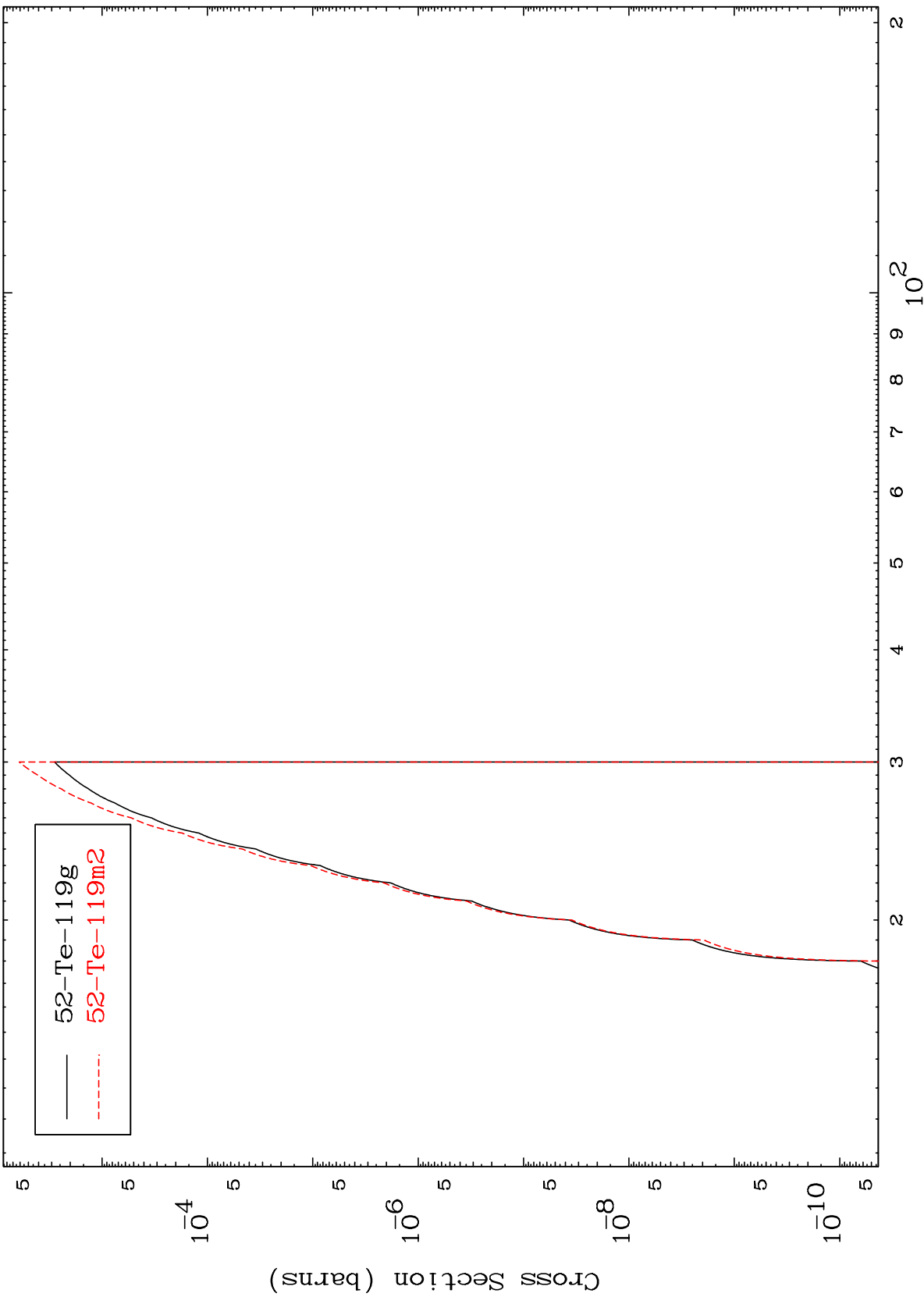








(n,2n)  $\alpha$   
Radionuclide Production Cross Section

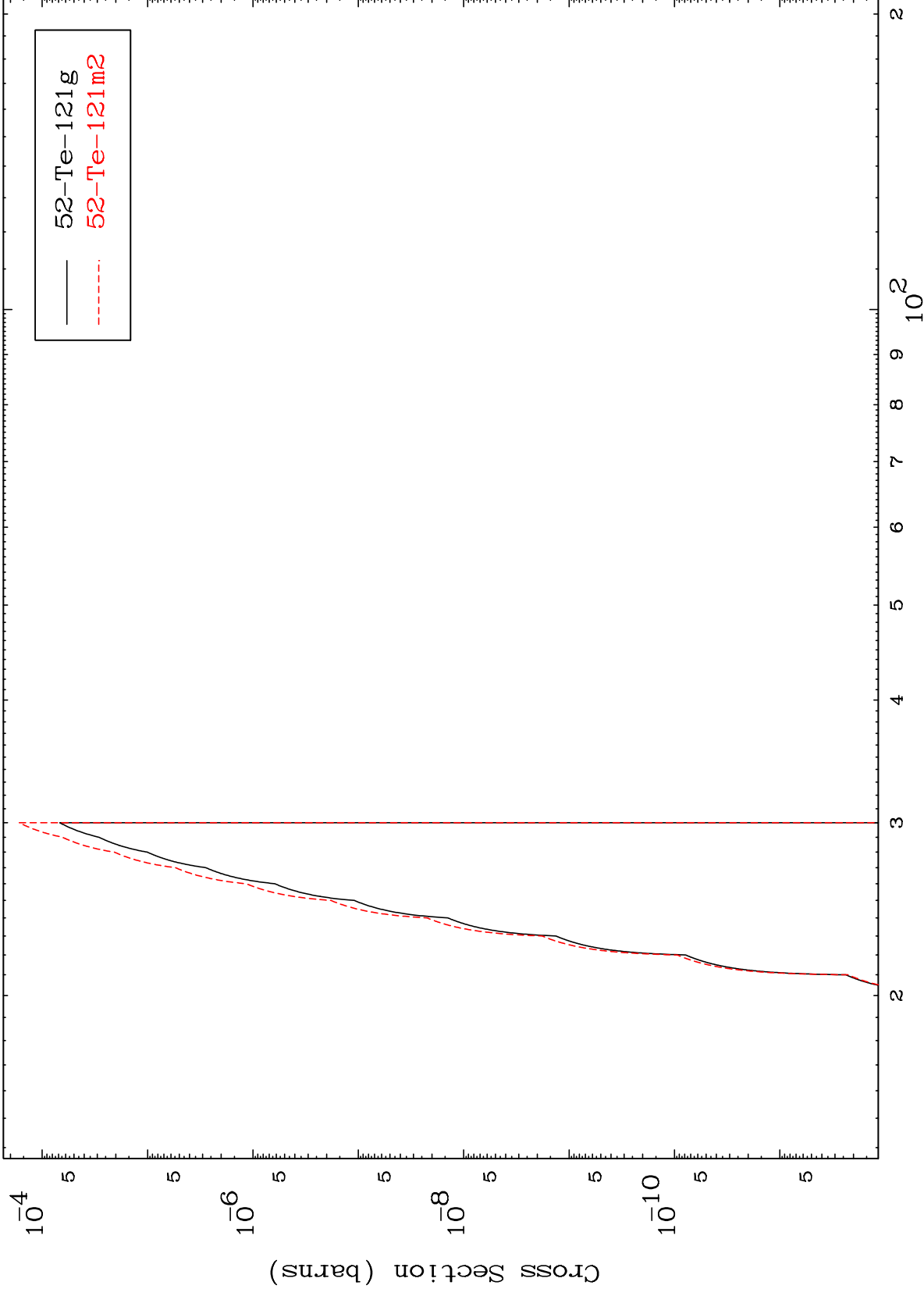


MAT 5425

(n,n') He-3

54-Xe-124

Radionuclide Production Cross Section



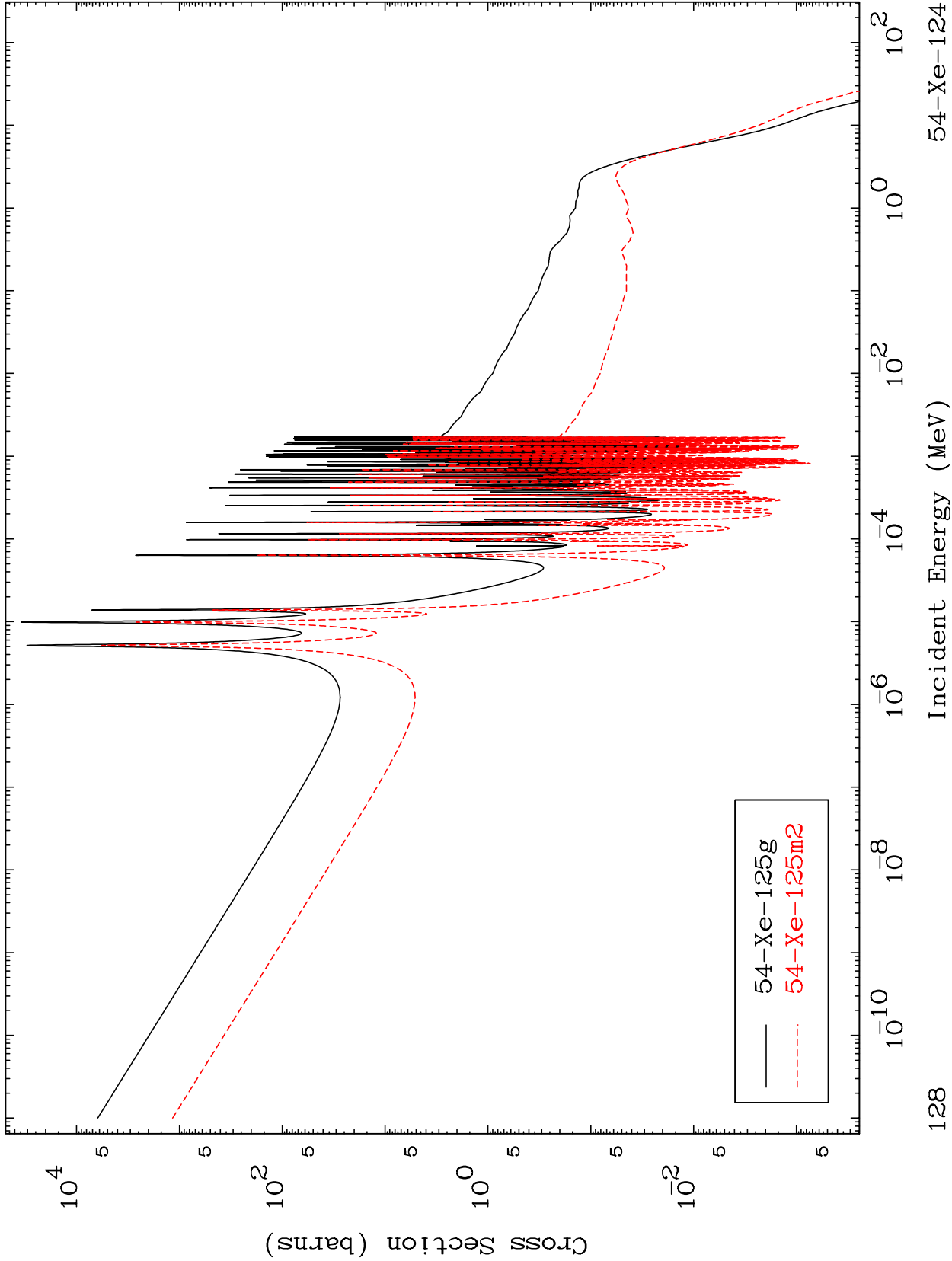
127

Incident Energy (MeV)

54-Xe-124



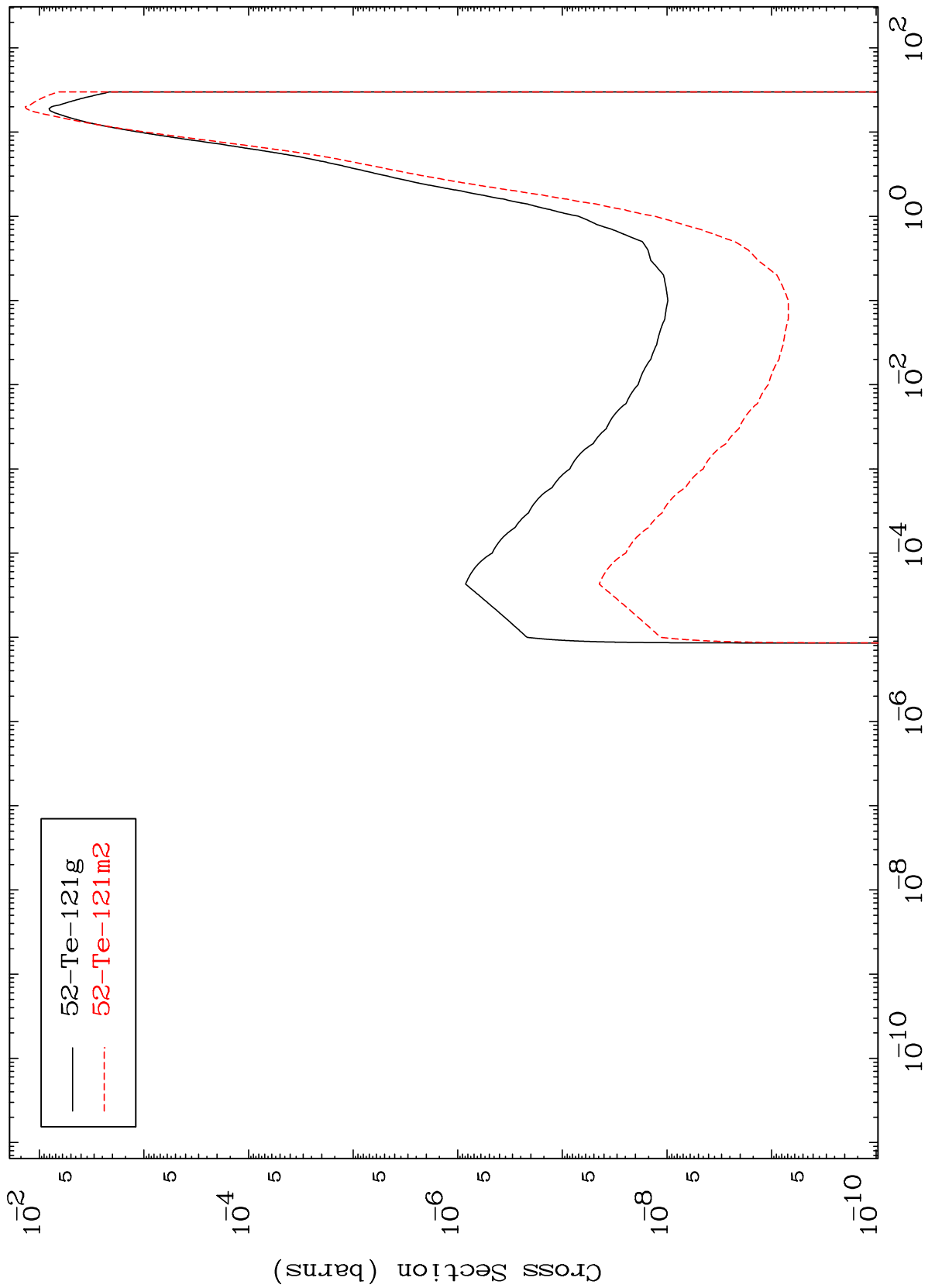
(n,γ)  
Radionuclide Production Cross Section



MAT 5425

54-Xe-124

(n,  $\alpha$ )  
Radionuclide Production Cross Section

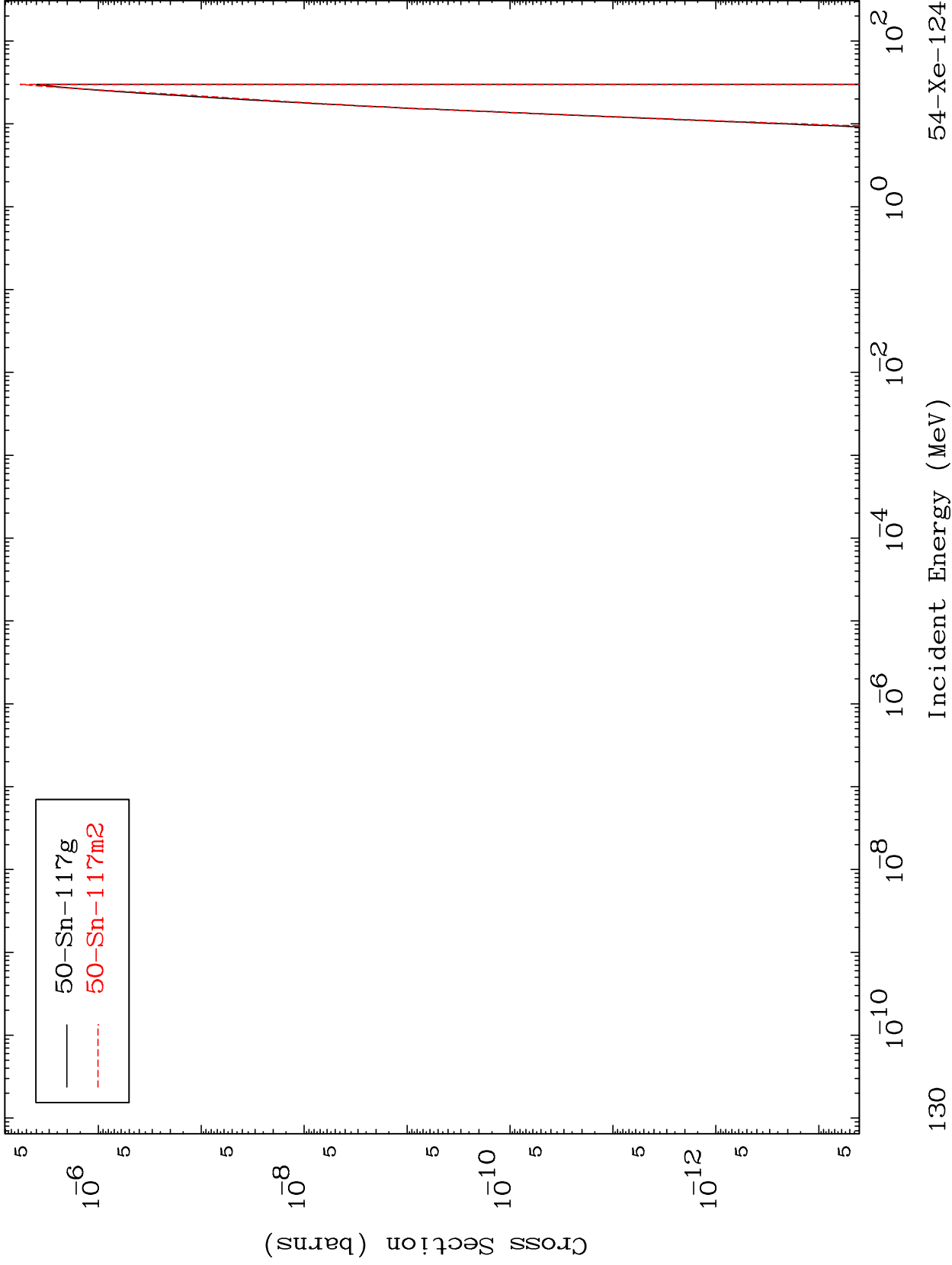


MAT 5425

(n,2α)

54-Xe-124

Radionuclide Production Cross Section

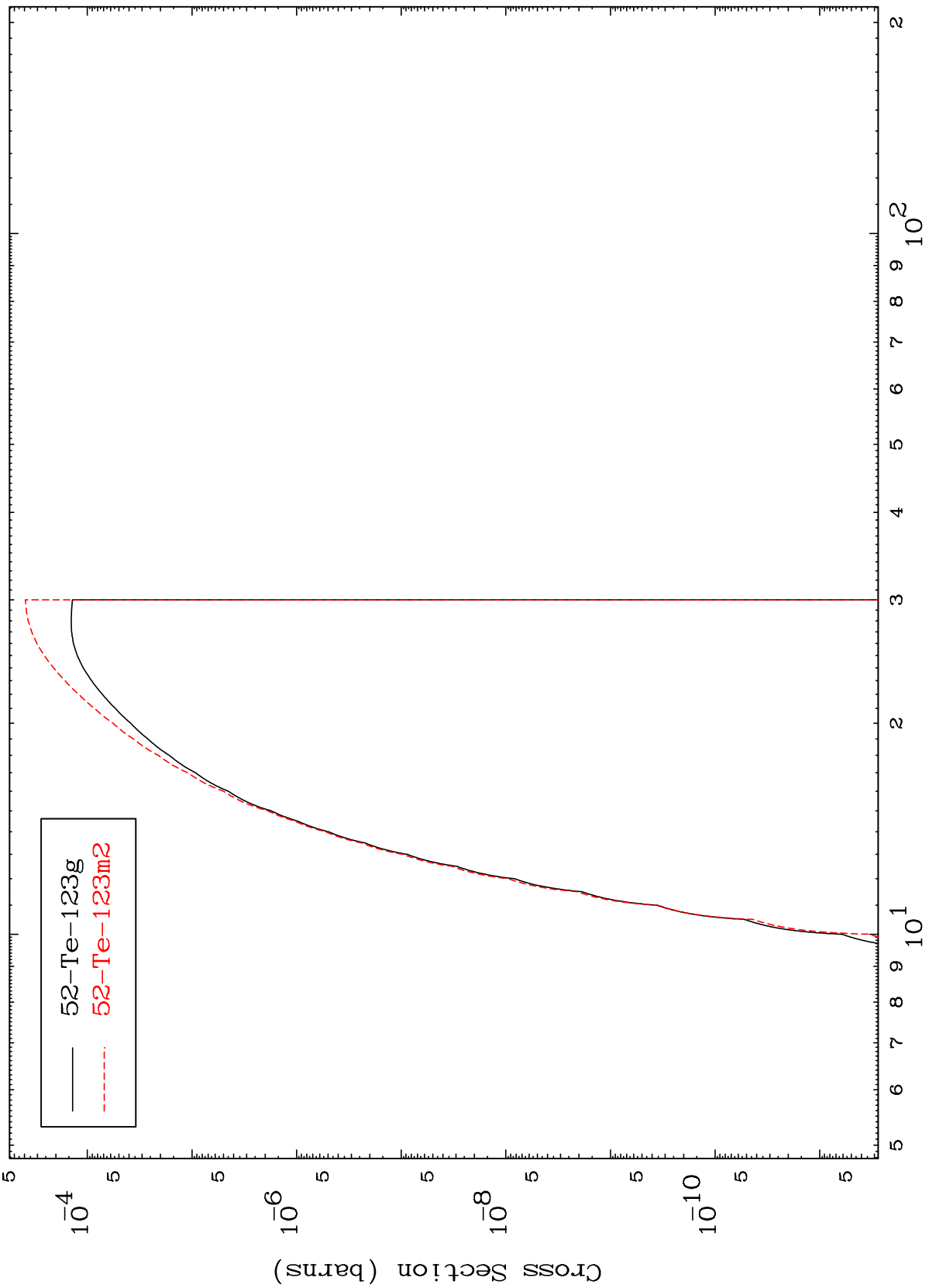


50-Sn-117g  
50-Sn-117m2

MAT 5425

54-Xe-124

(n,2p)  
Radionuclide Production Cross Section



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

131

Incident Energy (MeV)

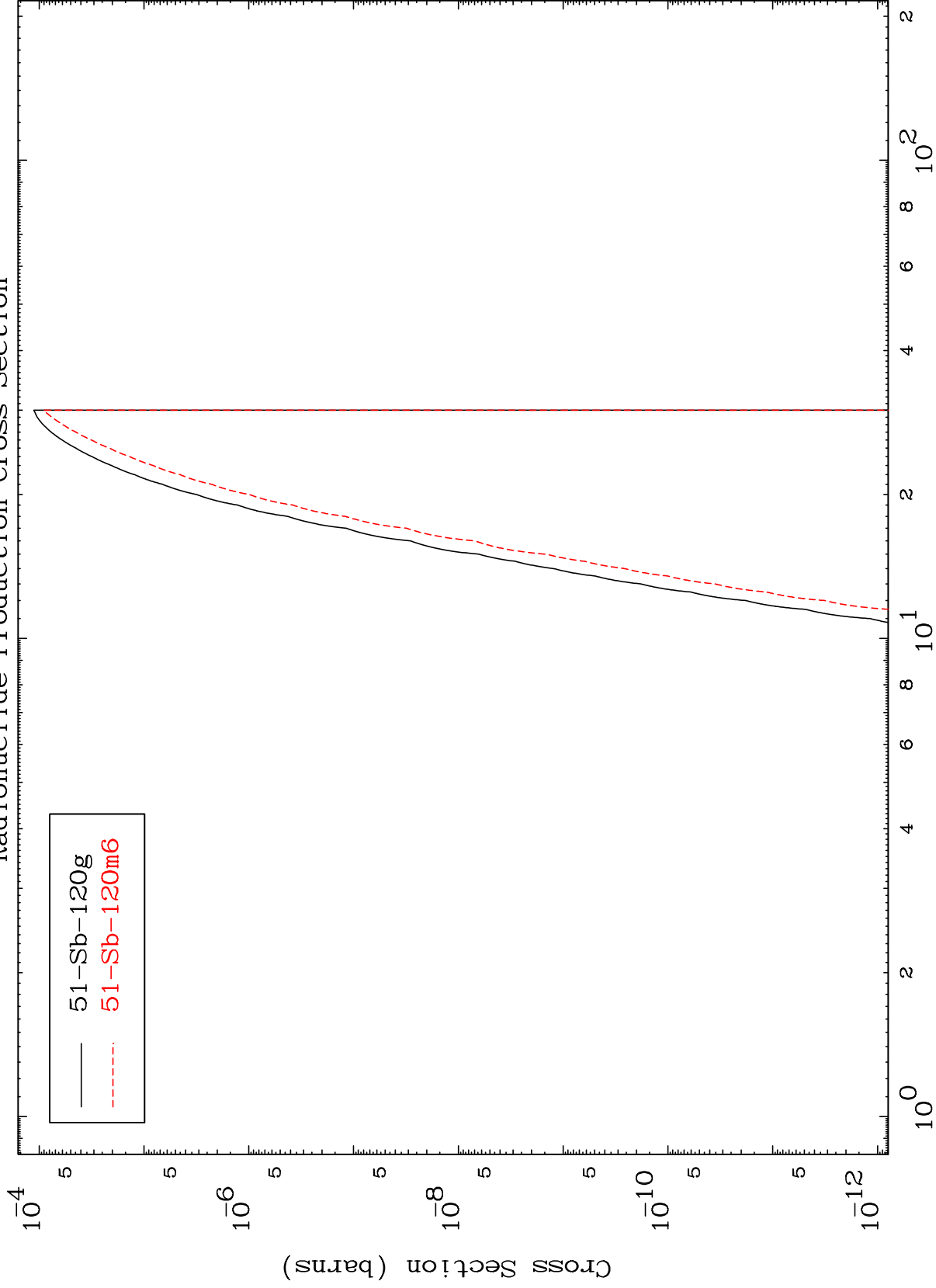
54-Xe-124

MAT 5425

(n,p)  $\alpha$

54-Xe-124

Radionuclide Production Cross Section



51-Sb-120g  
51-Sb-120m6

Incident Energy (MeV)

54-Xe-124

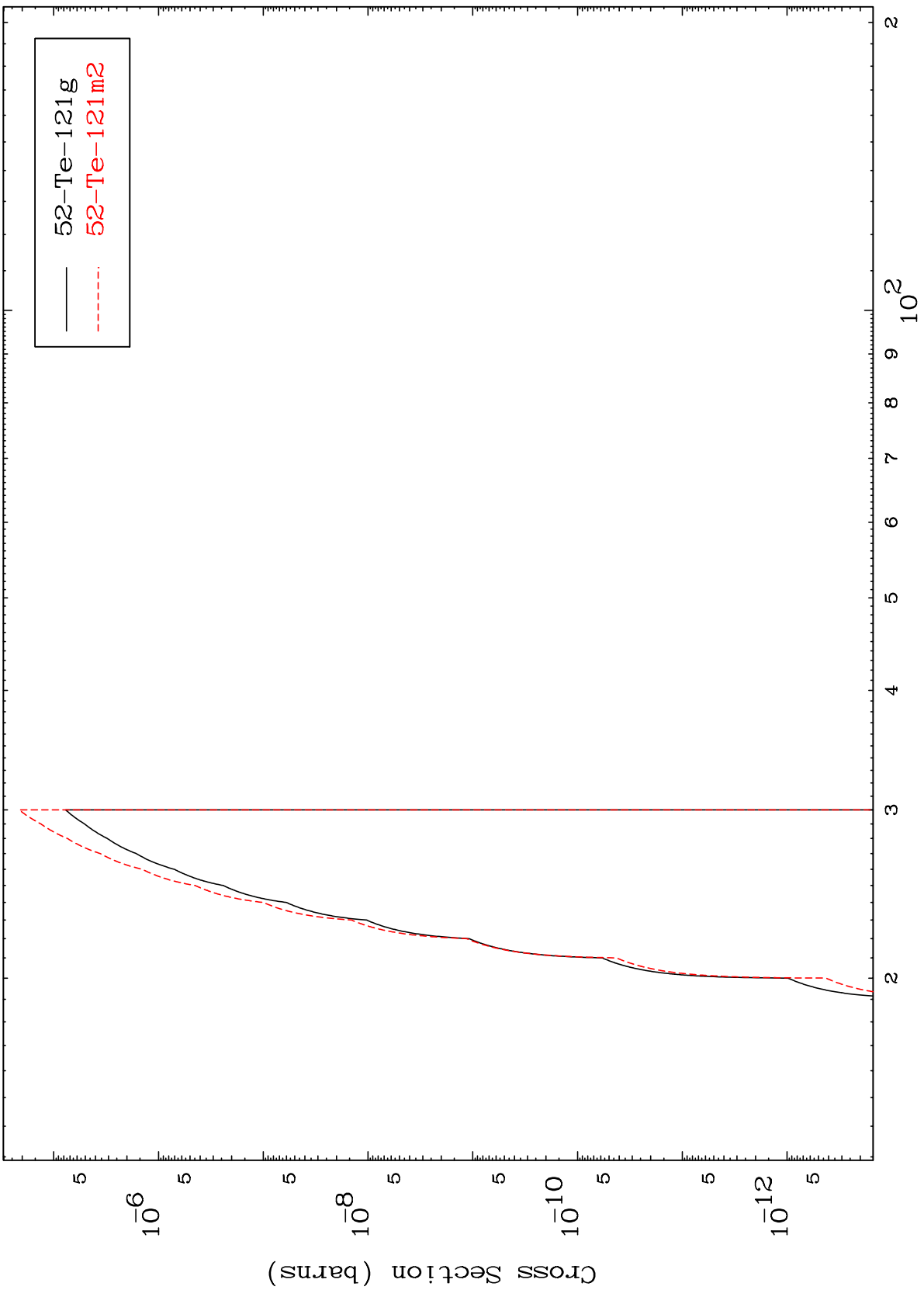
132

MAT 5425

(n,p) t

54-Xe-124

Radionuclide Production Cross Section



52-Te-121g  
52-Te-121m2

133

Incident Energy (MeV)

54-Xe-124