

Program EVALPLOT  
(Version 2021-1)

by

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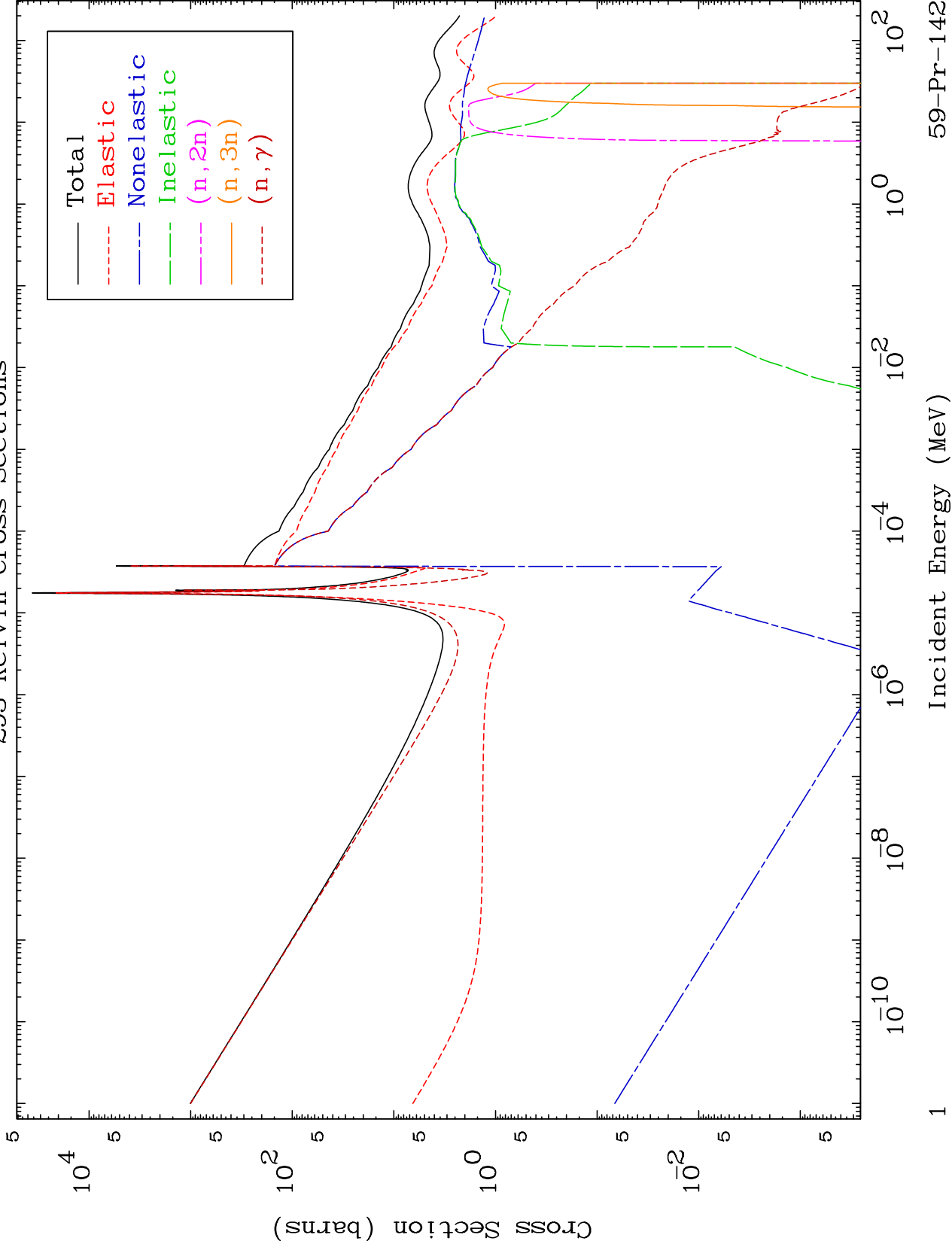
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5928

Neutron Major  
293 Kelvin Cross Sections

59-Pr-142



59-Pr-142

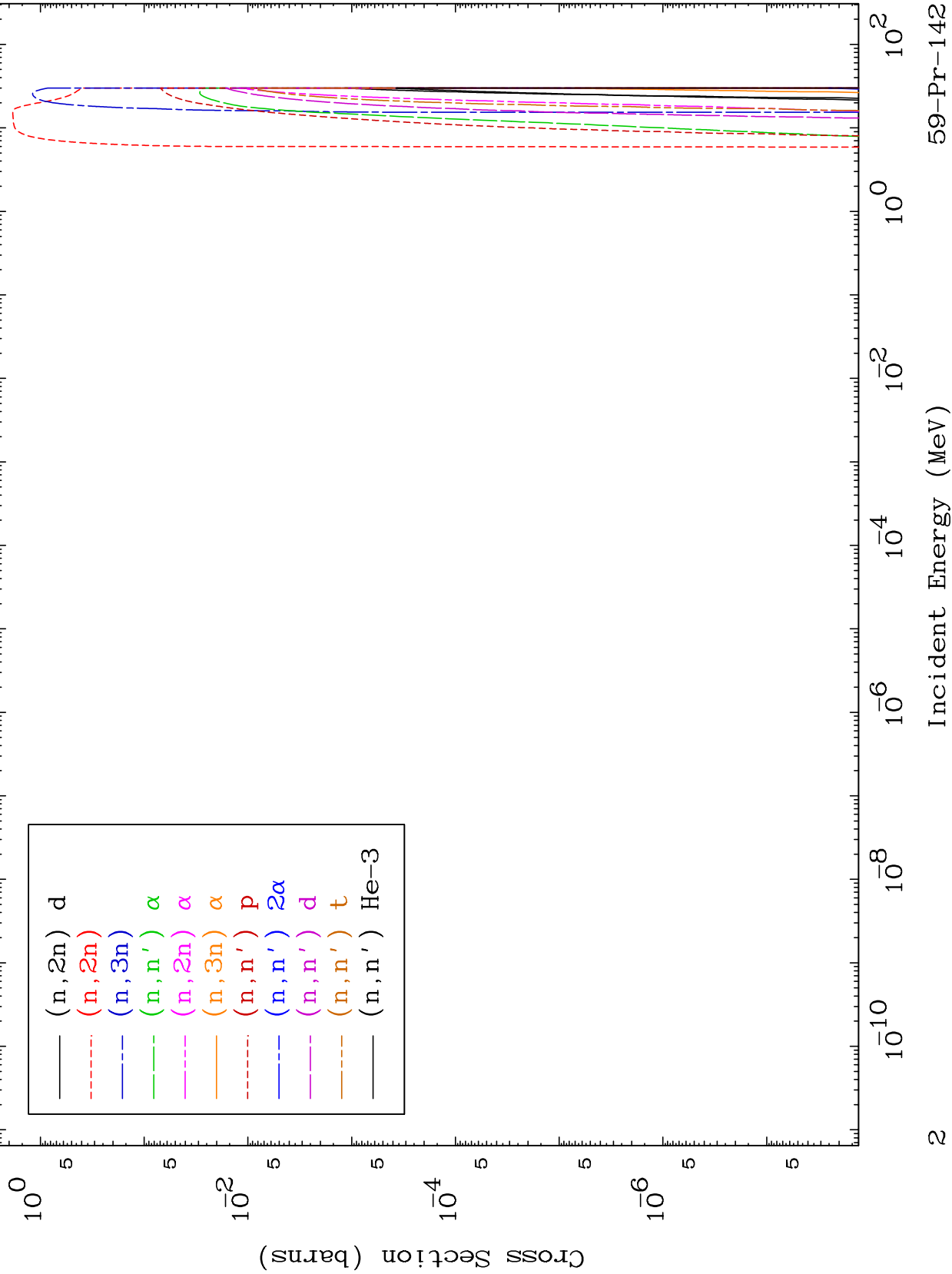
Incident Energy (MeV)

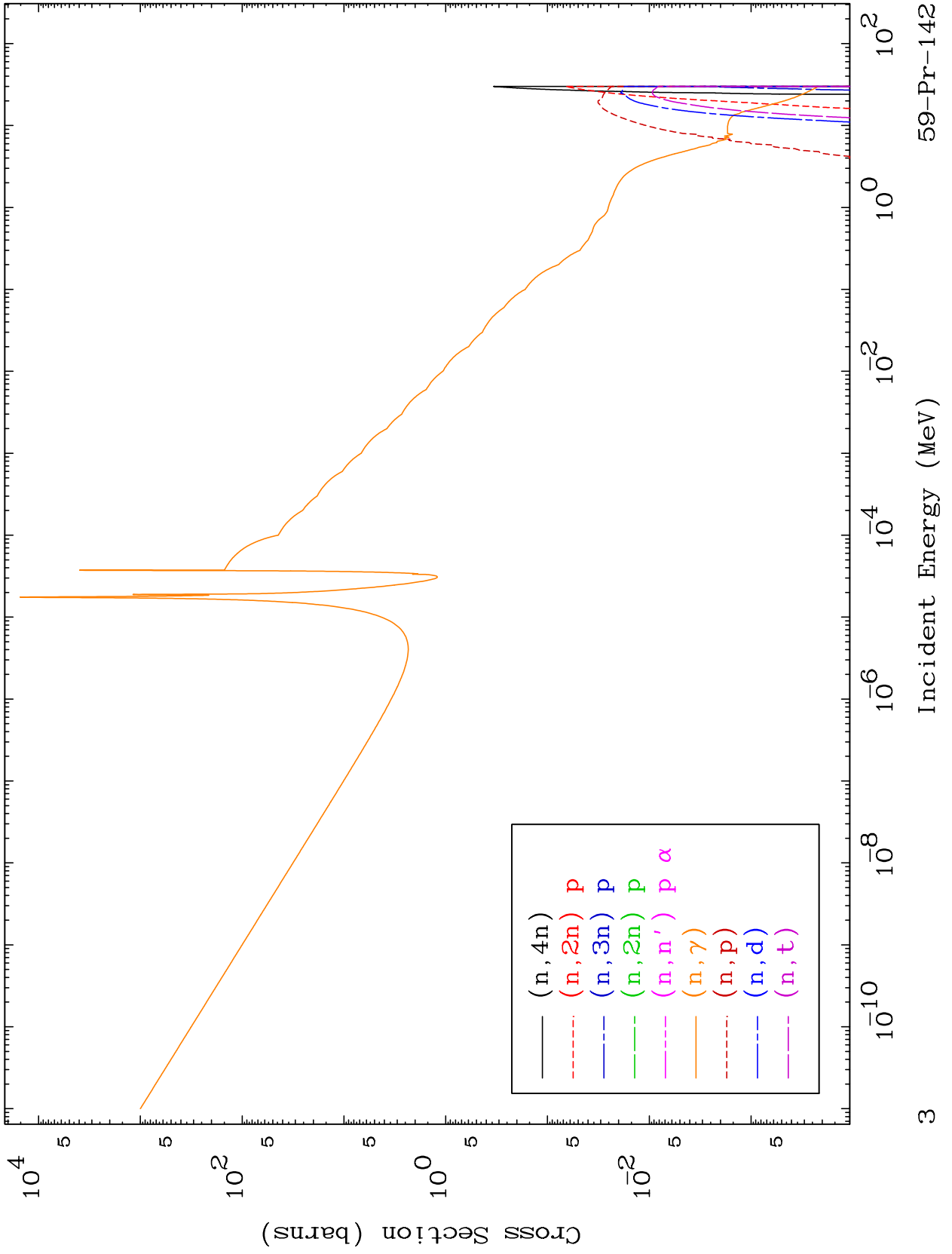
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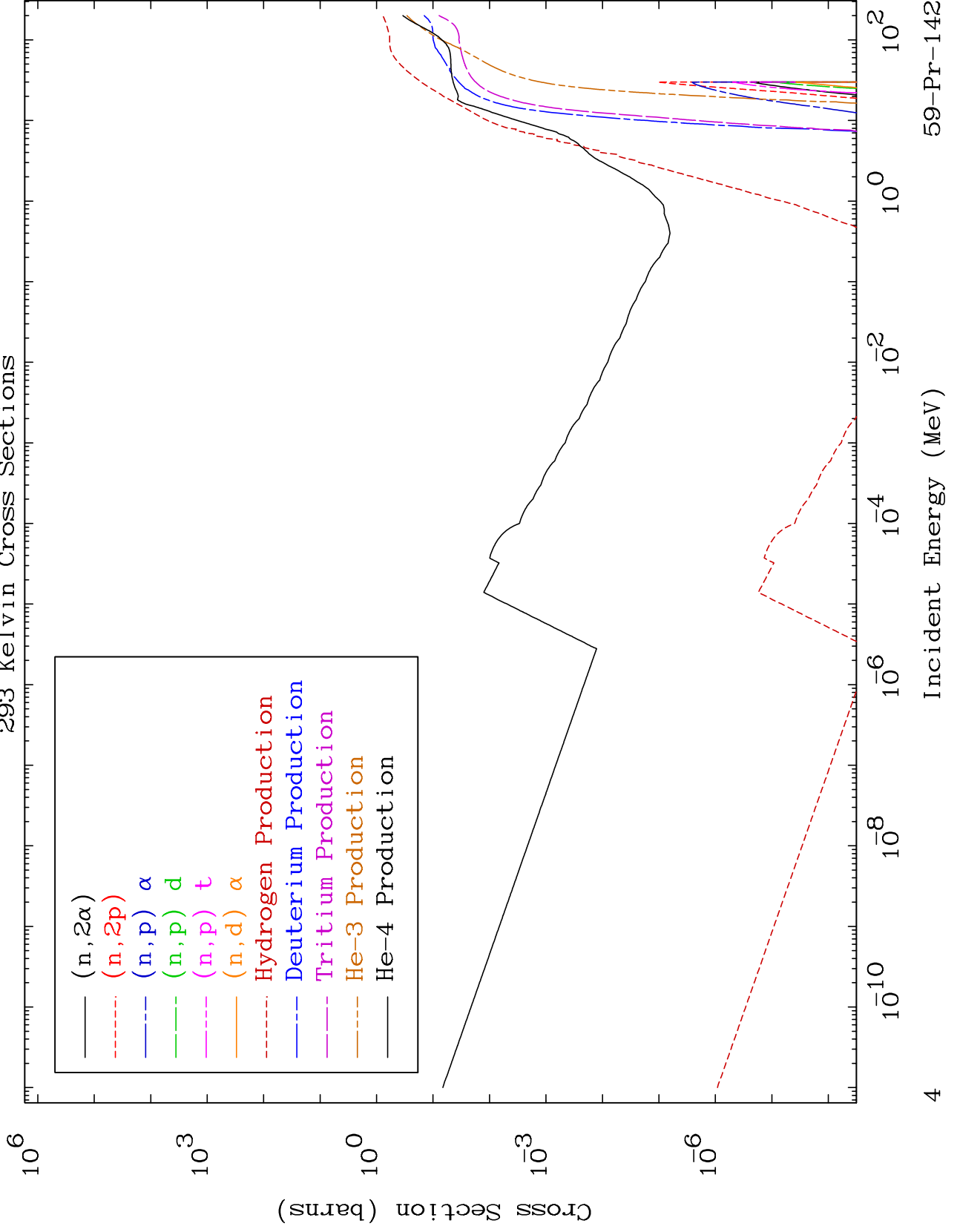
MAT 5928

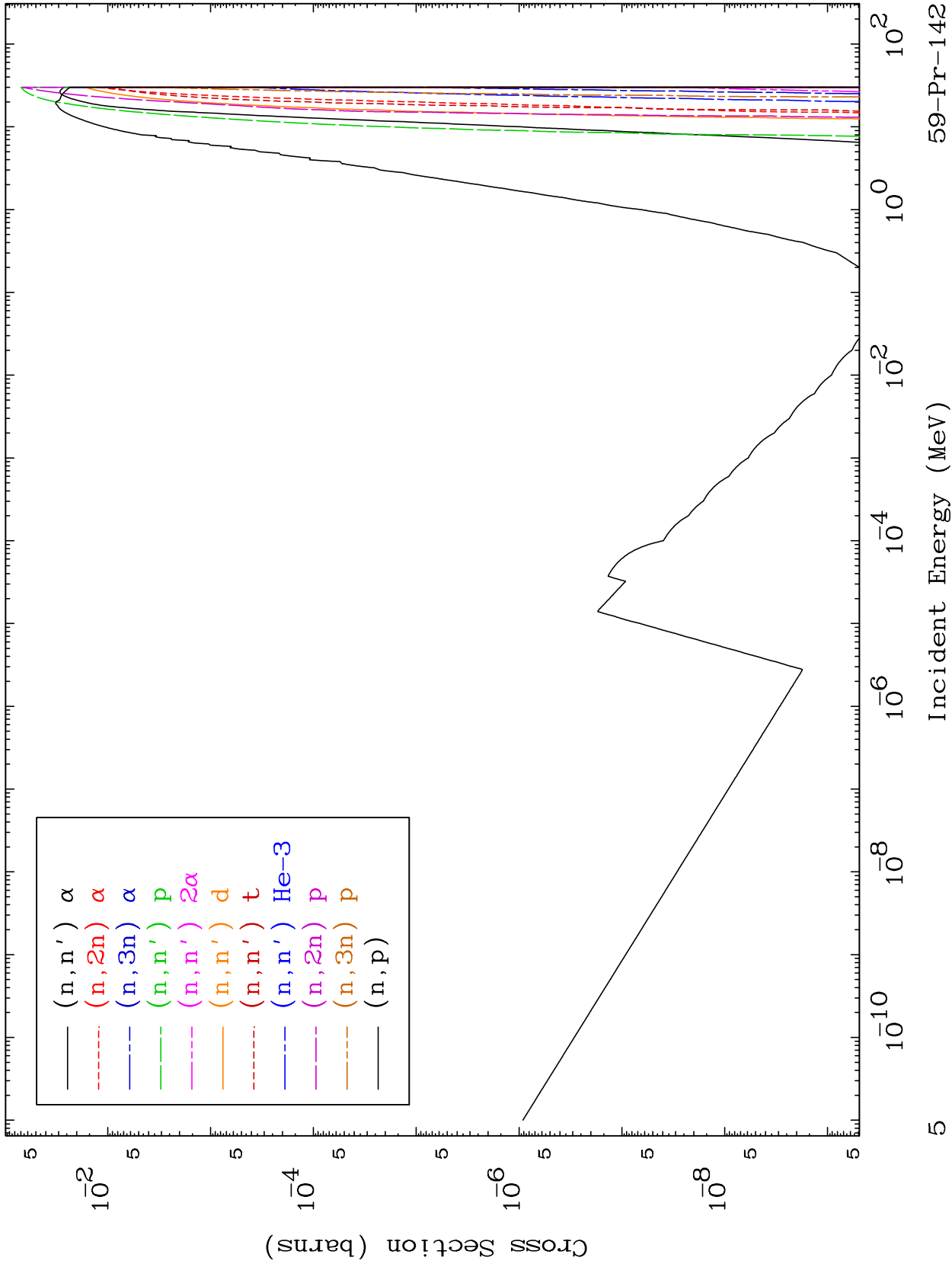
Neutron Absorption  
293 Kelvin Cross Sections

59-Pr-142





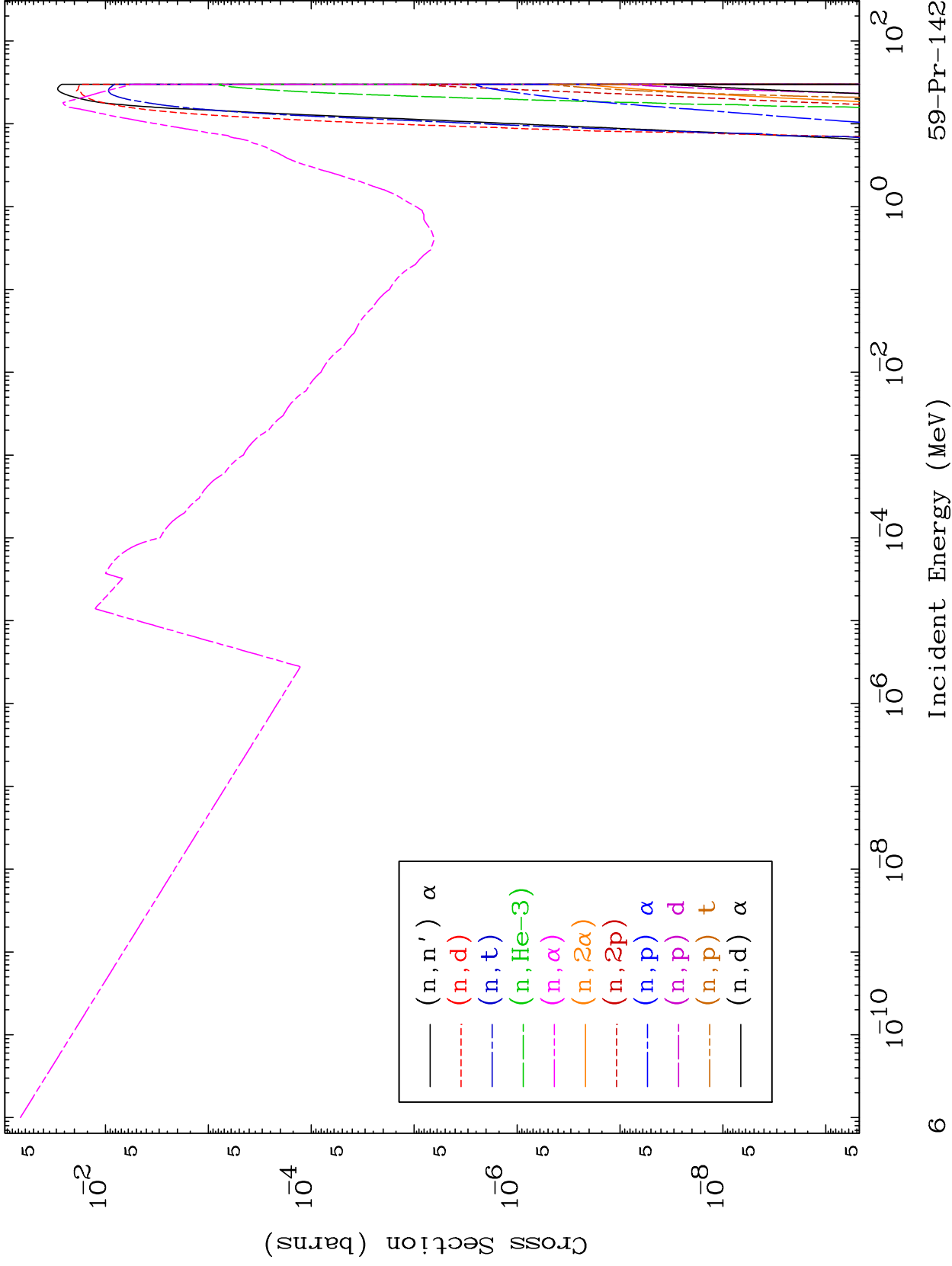




MAT 5928

Charged Particle  
293 Kelvin Cross Sections

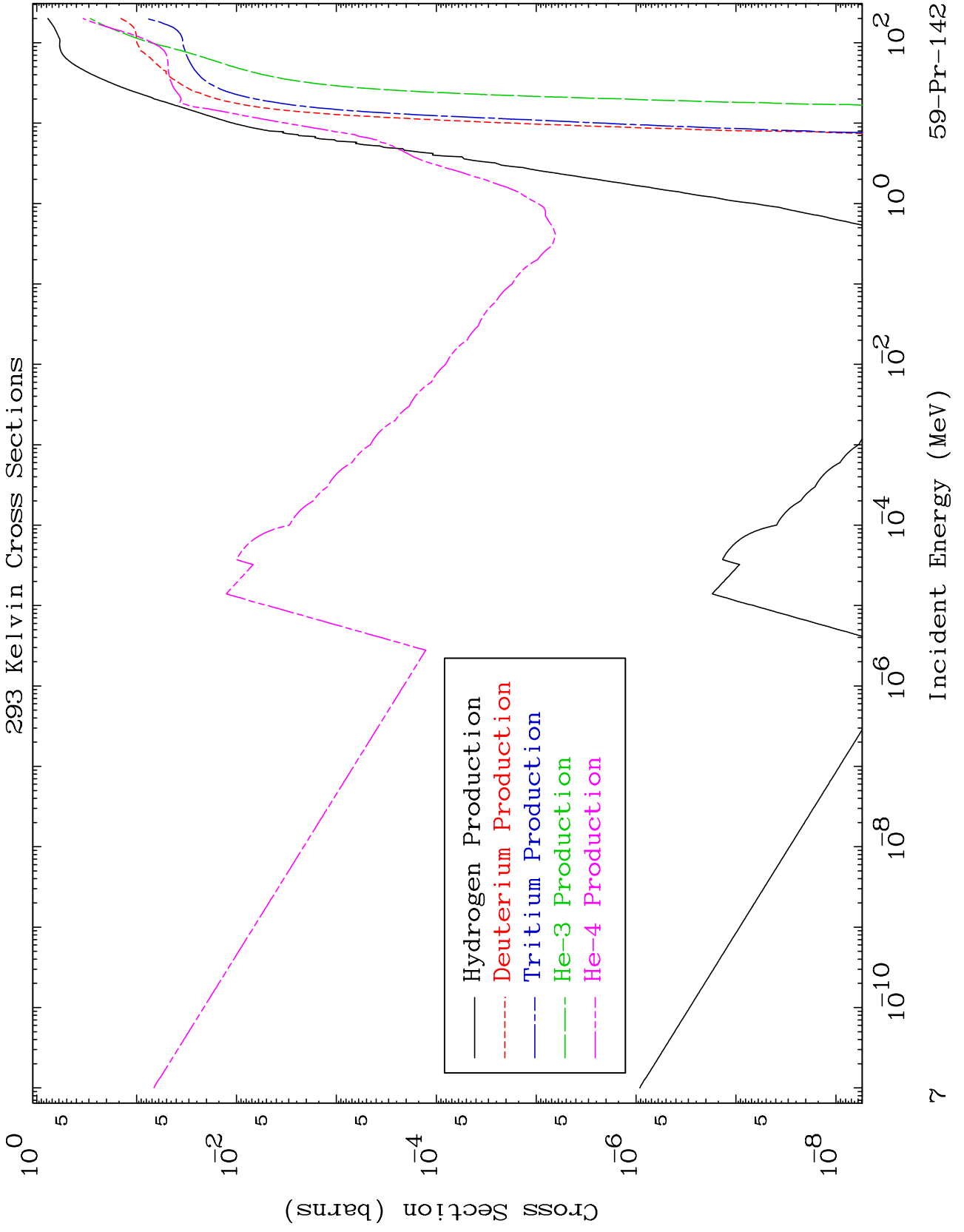
59-Pr-142



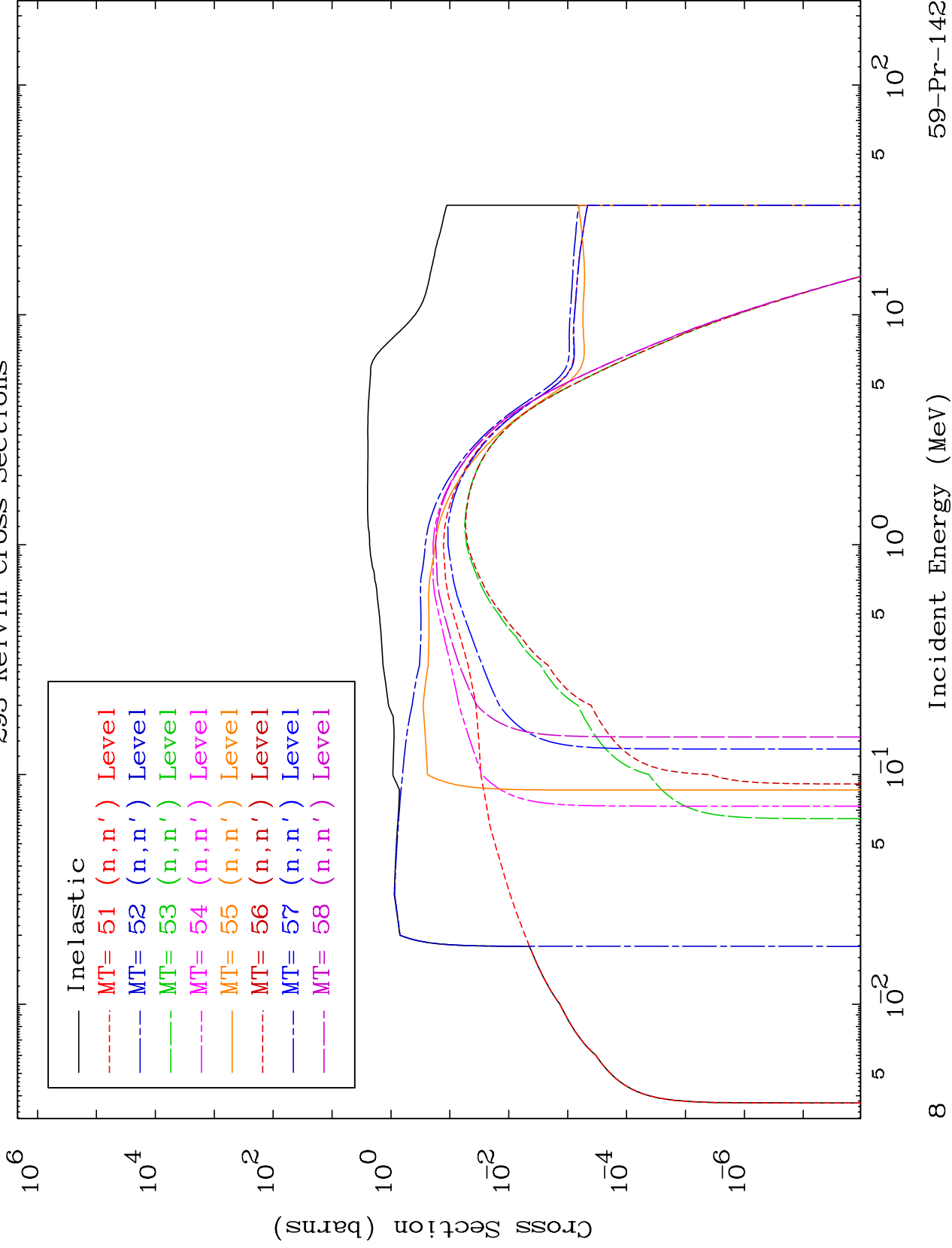
MAT 5928

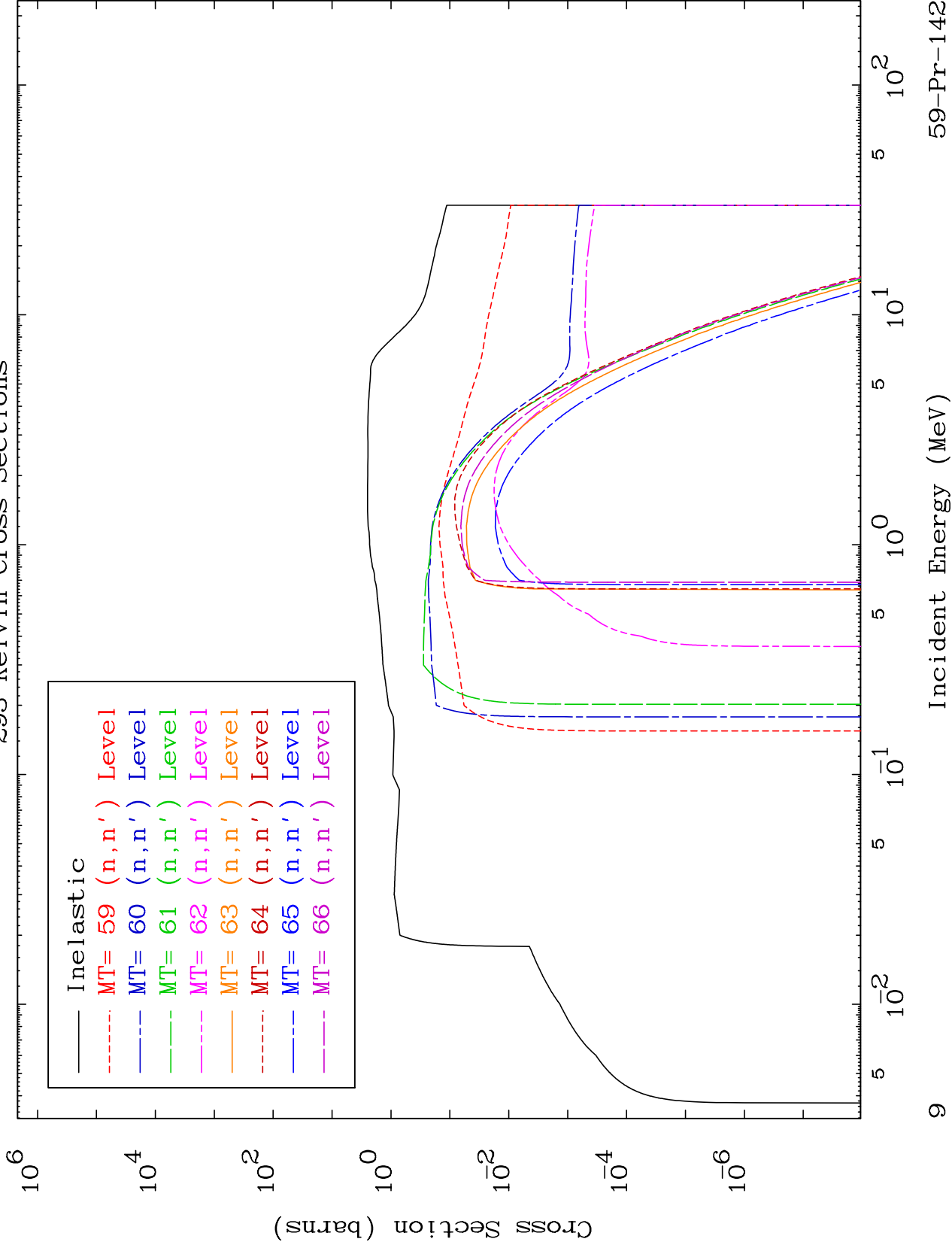
Particle Production  
293 Kelvin Cross Sections

59-Pr-142

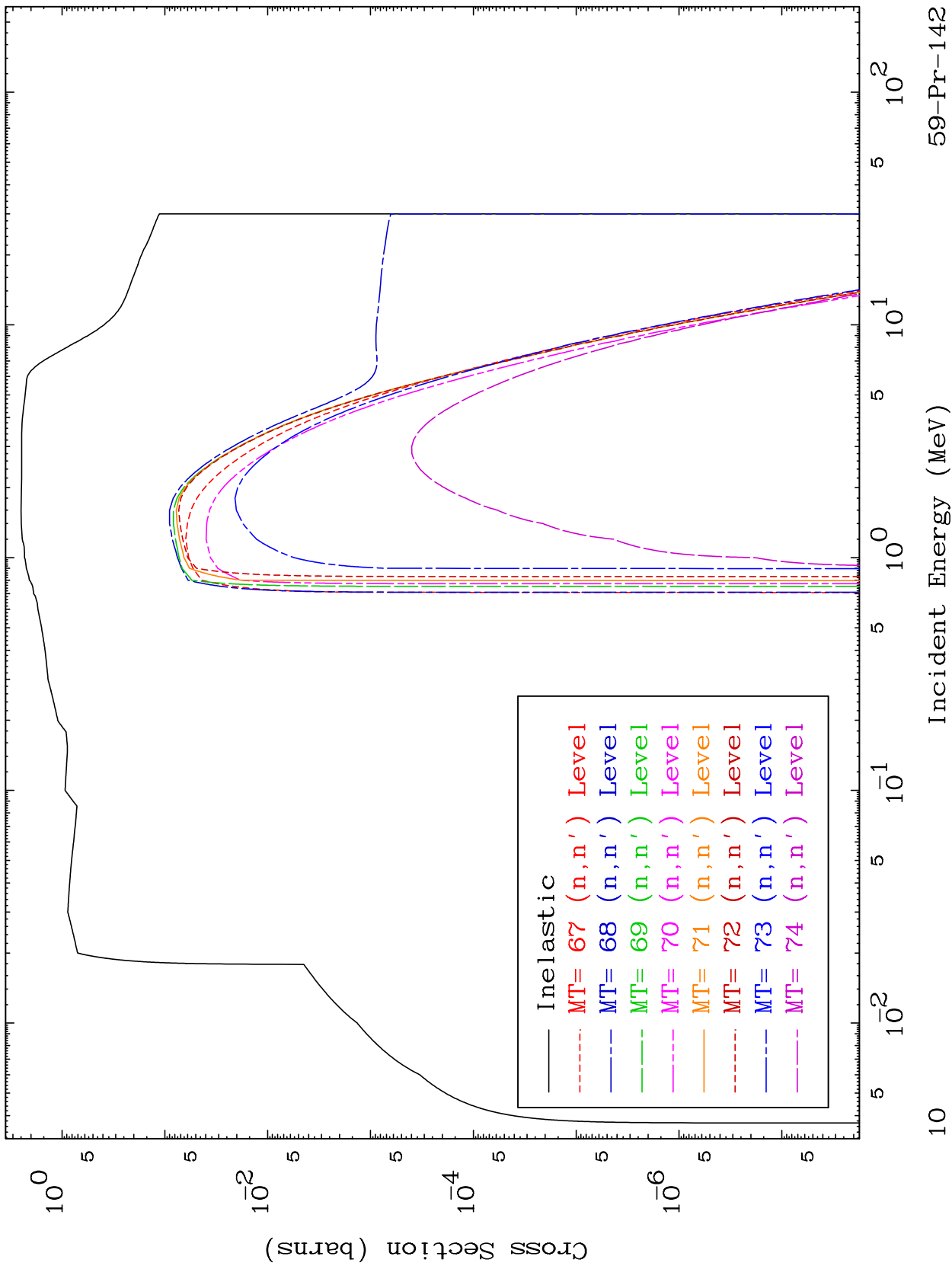




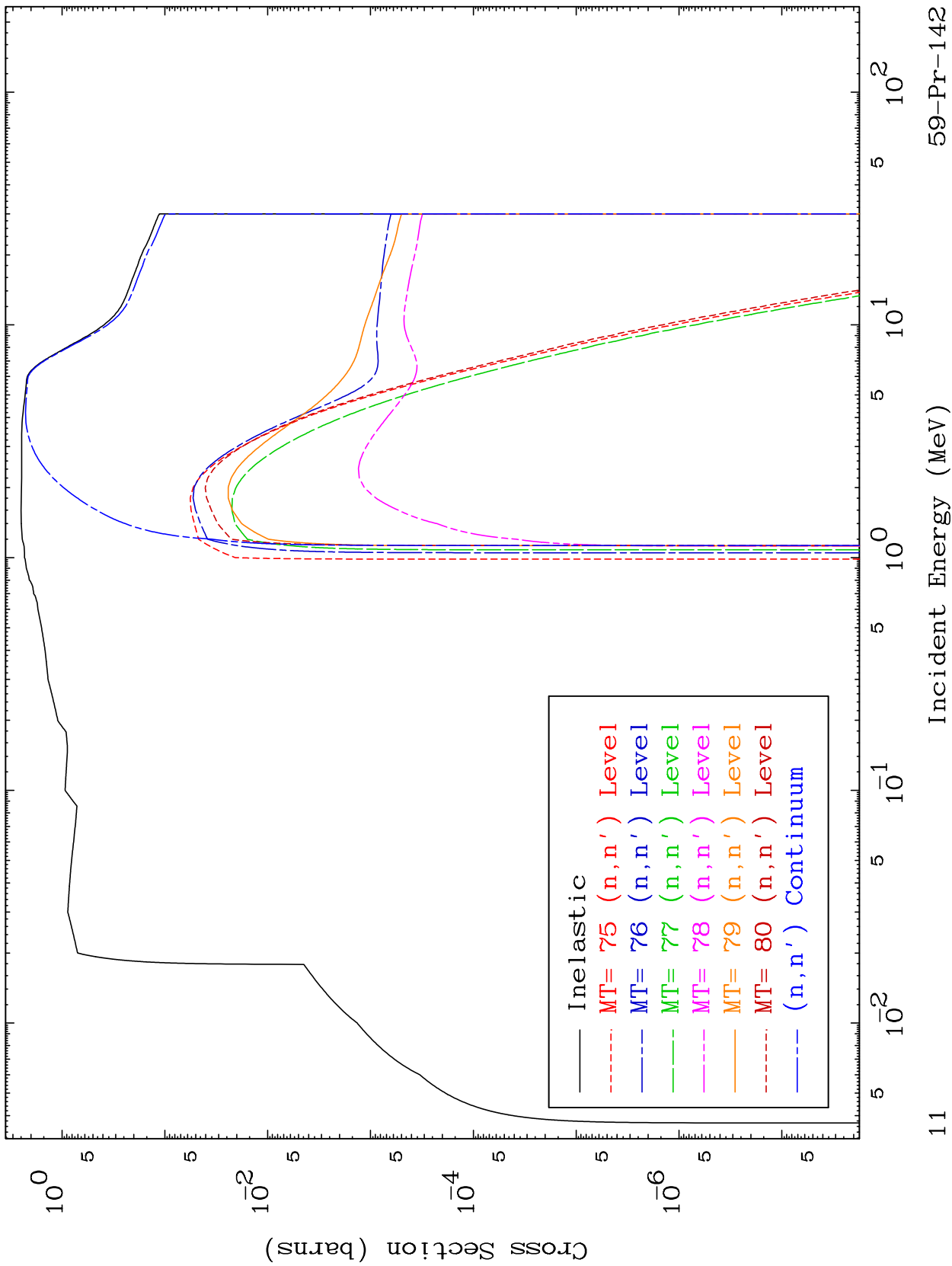




(n,n') Levels  
293 Kelvin Cross Sections



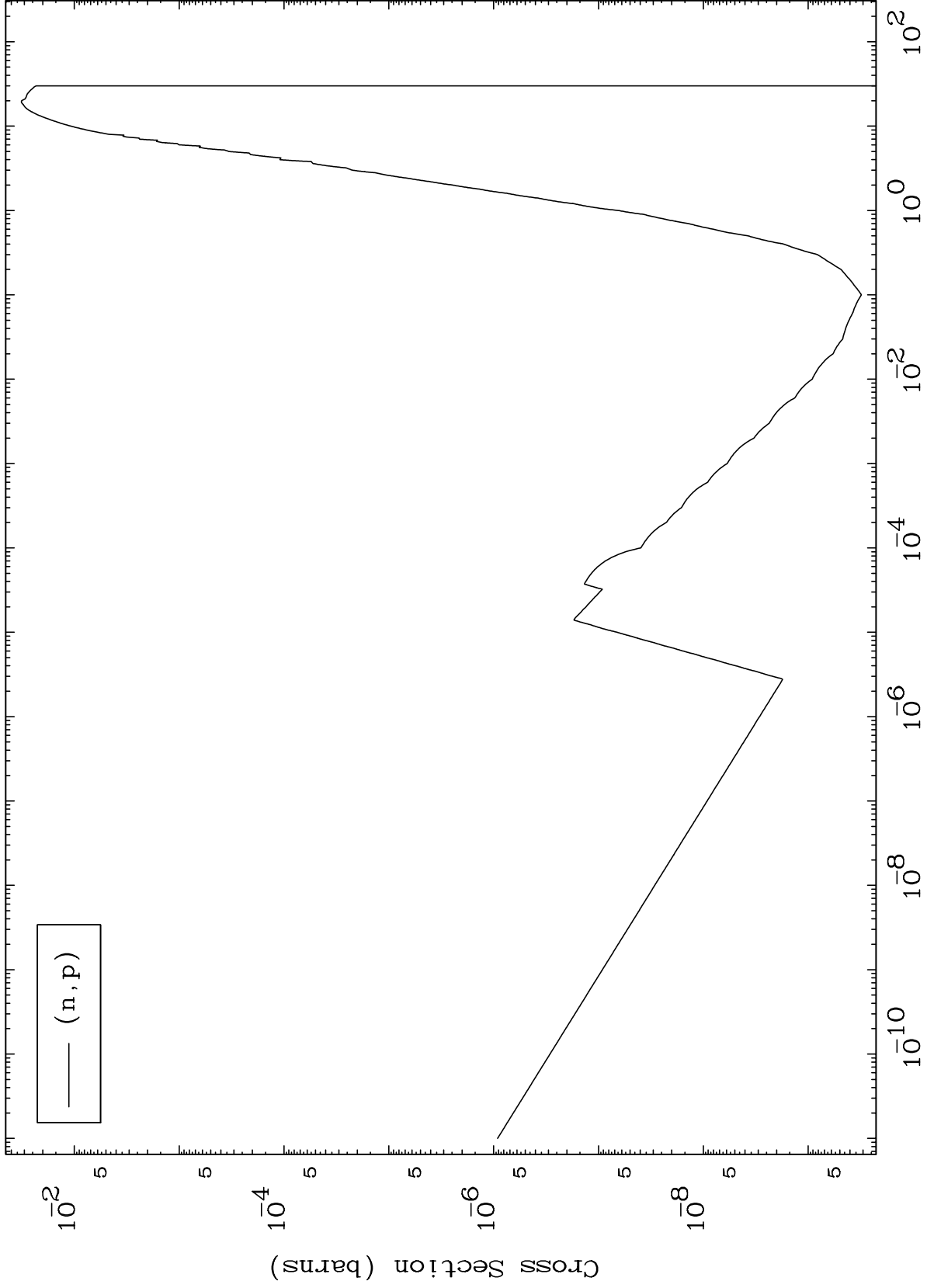
(n,n') Levels  
293 Kelvin Cross Sections



MAT 5928

(n,p) Levels  
293 Kelvin Cross Sections

59-Pr-142



12

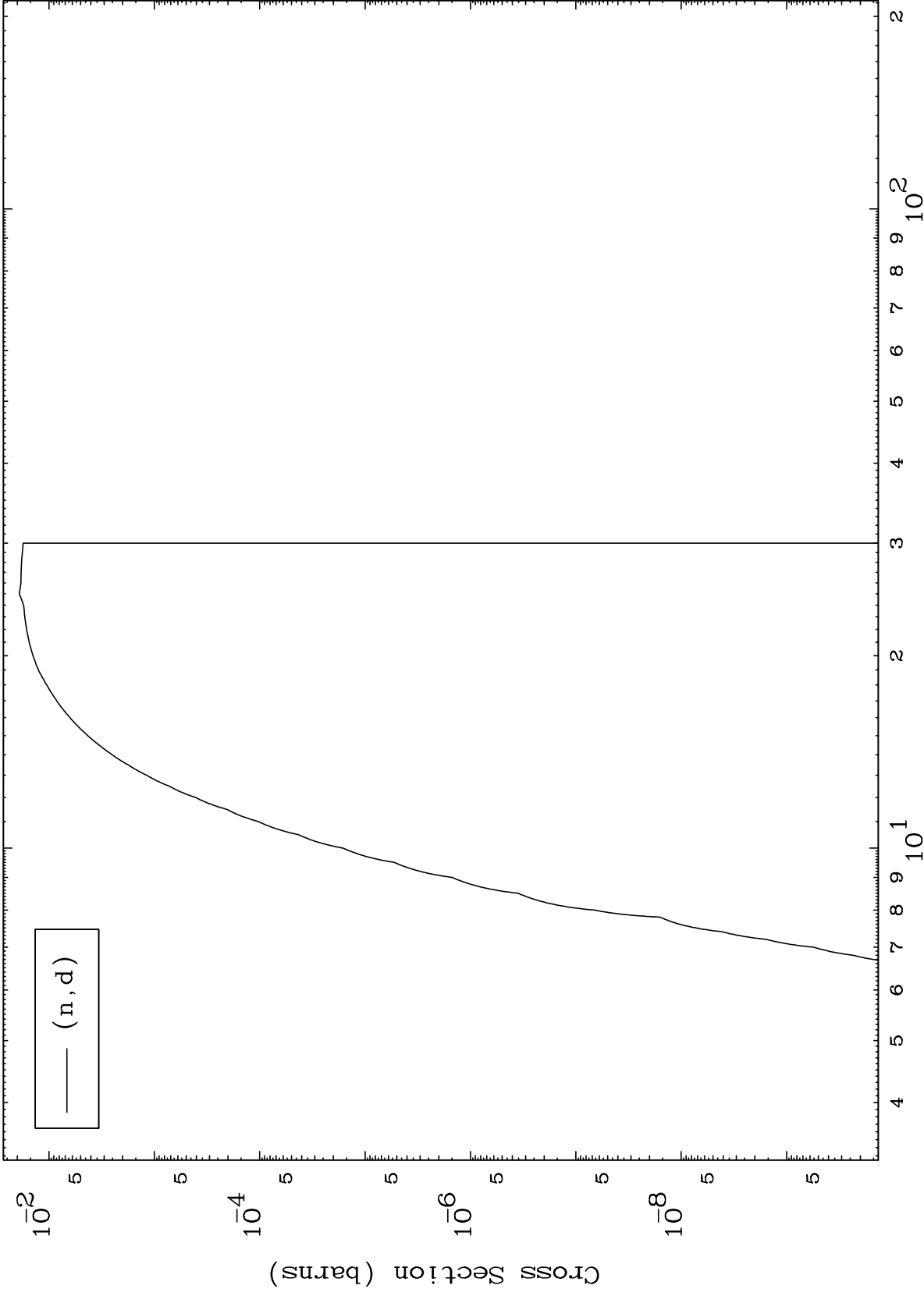
Incident Energy (MeV)

59-Pr-142

MAT 5928

(n,d) Levels  
293 Kelvin Cross Sections

59-Pr-142



(n,d)

13

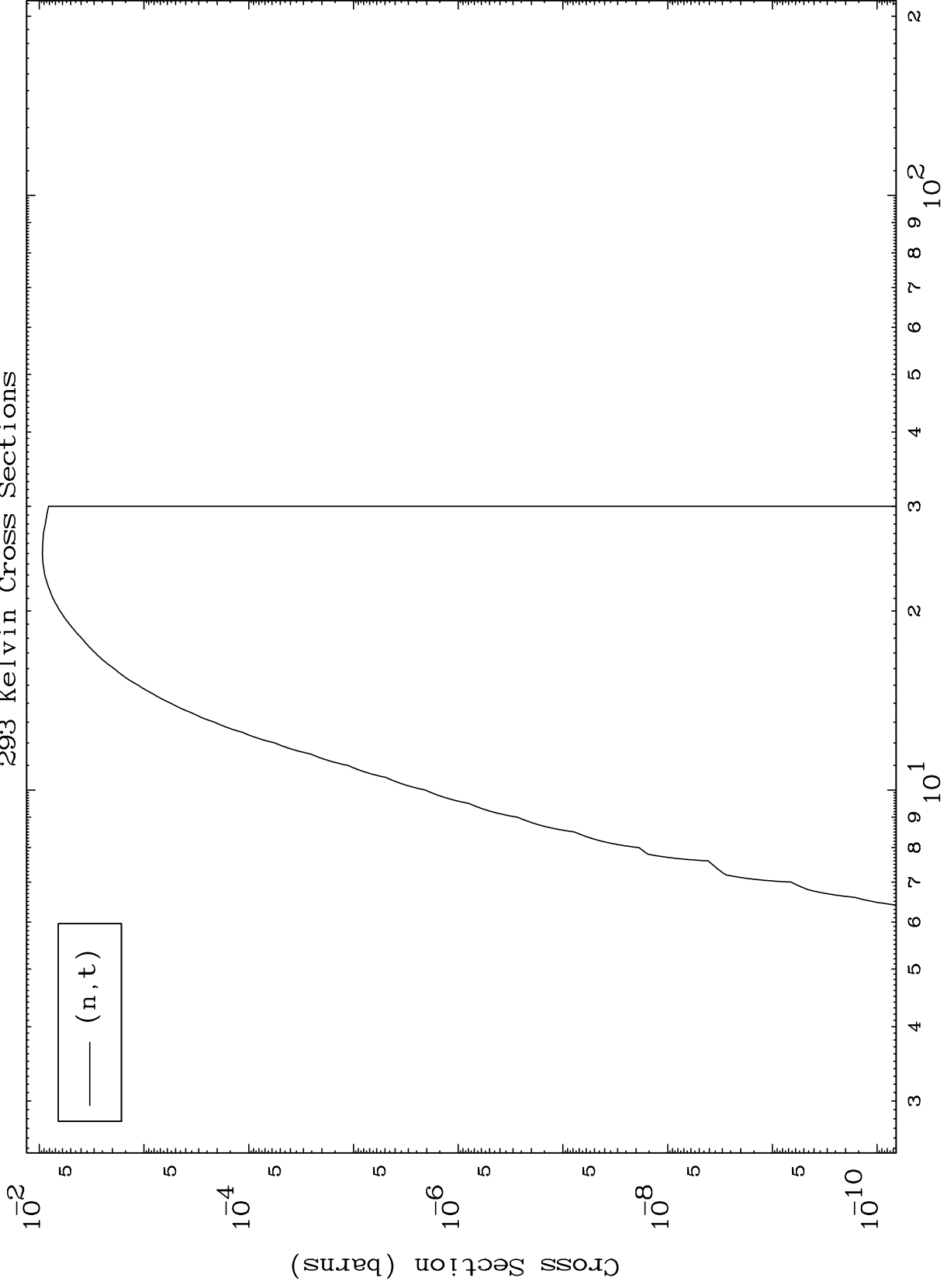
Incident Energy (MeV)

59-Pr-142

MAT 5928

(n,t) Levels  
293 Kelvin Cross Sections

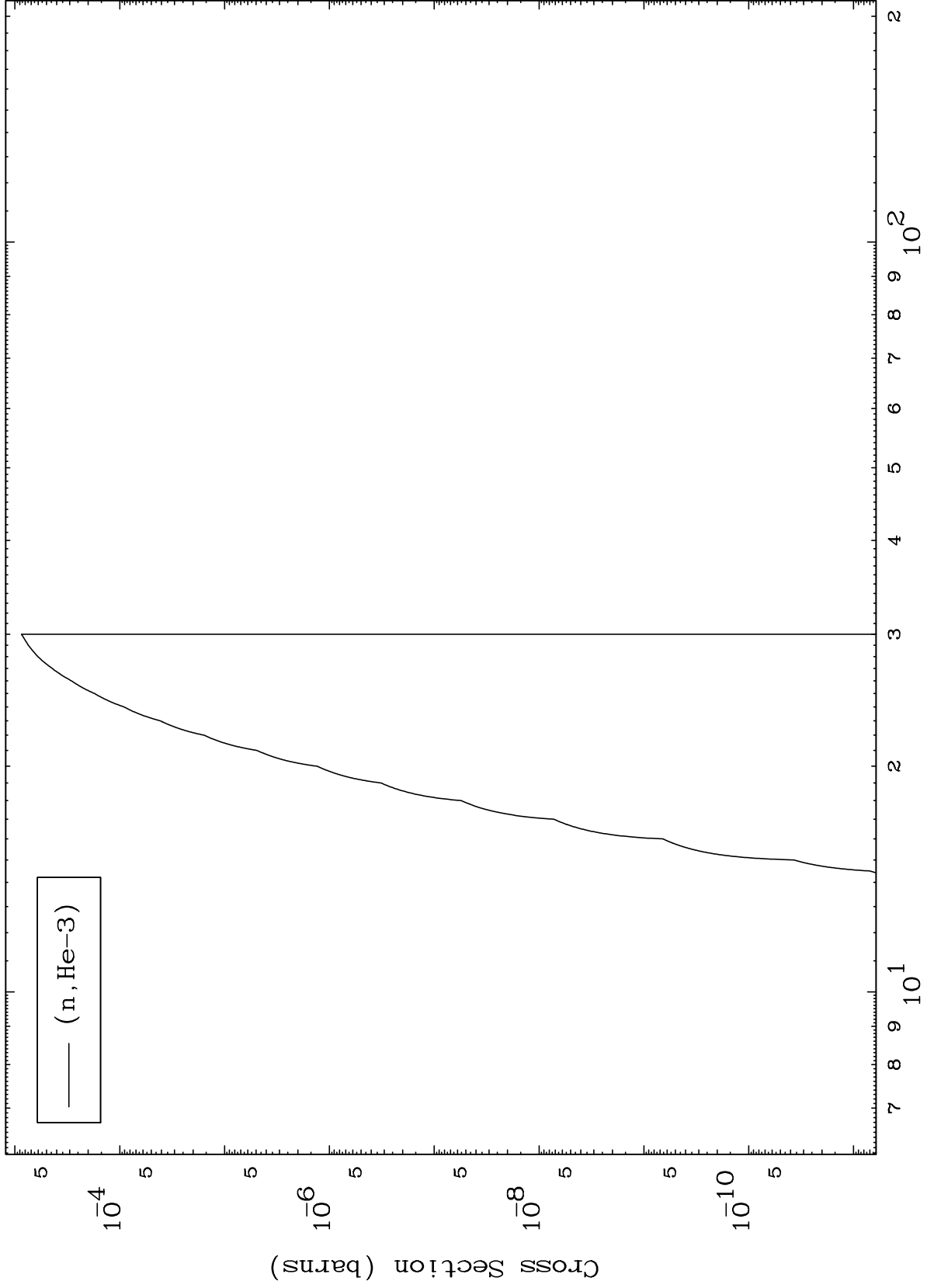
59-Pr-142



14

Incident Energy (MeV)

59-Pr-142

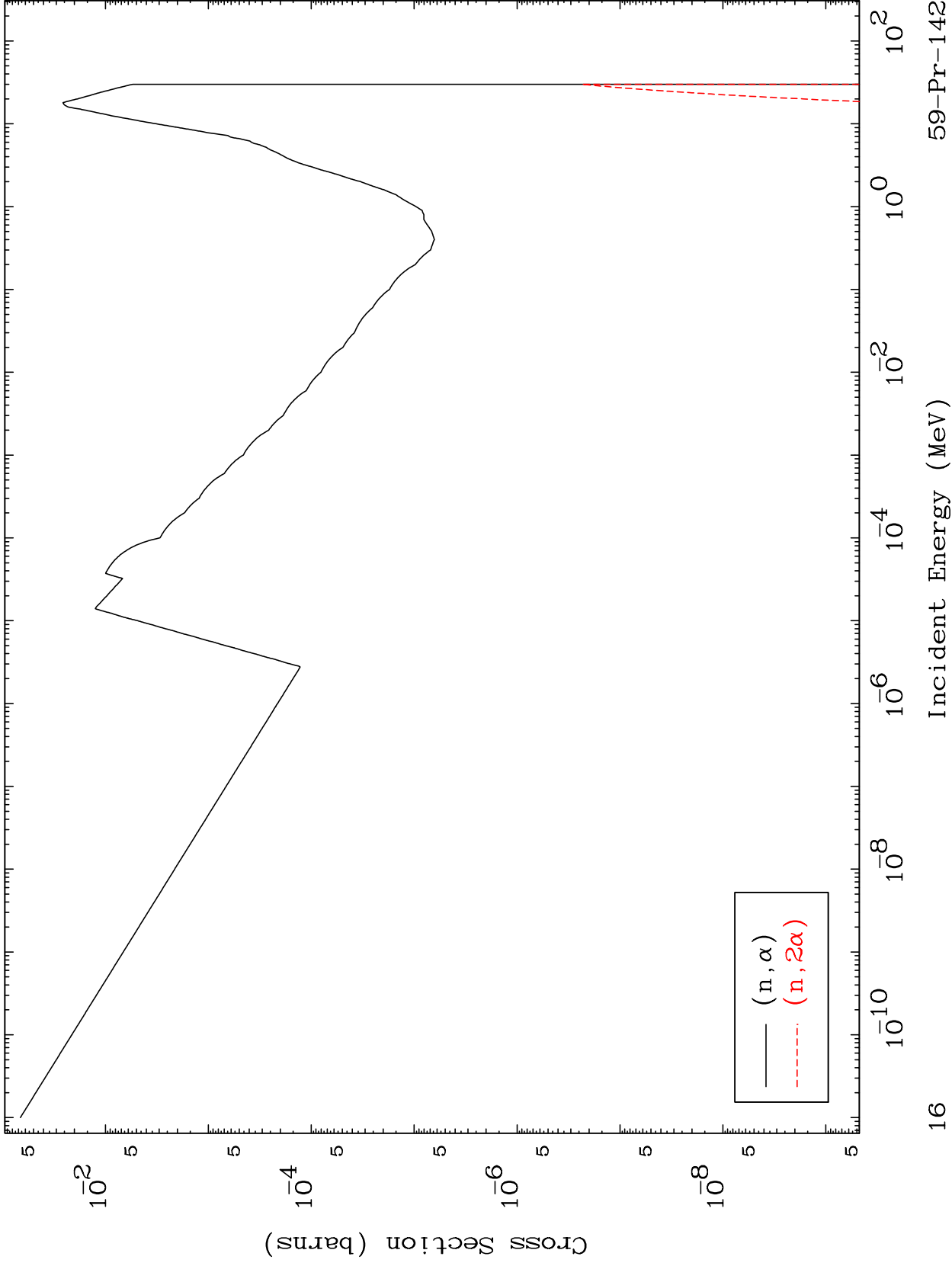




MAT 5928

(n,α) Levels  
293 Kelvin Cross Sections

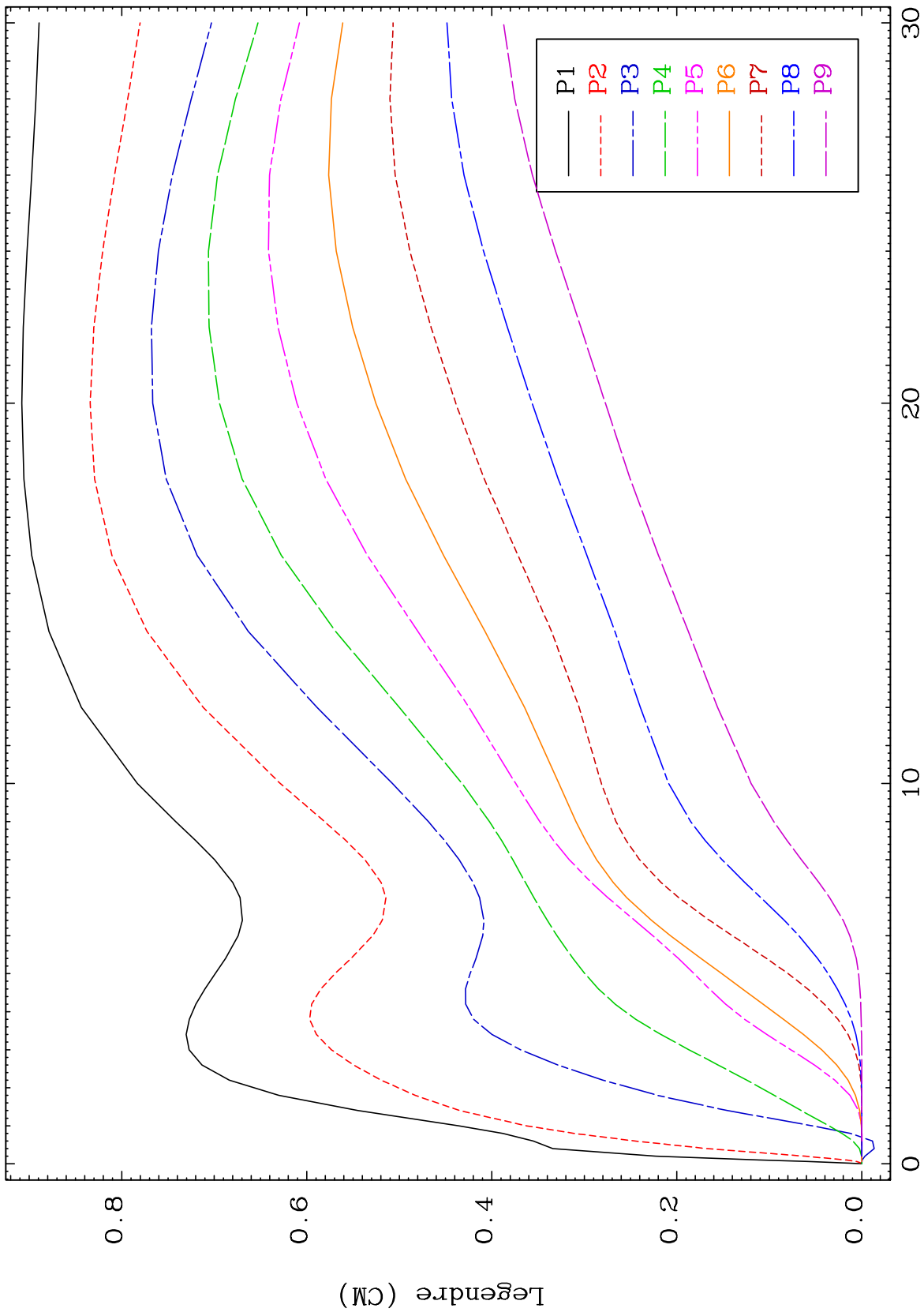
59-Pr-142



MAT 5928

59-Pr-142

Elastic Legendre Coefficients



59-Pr-142

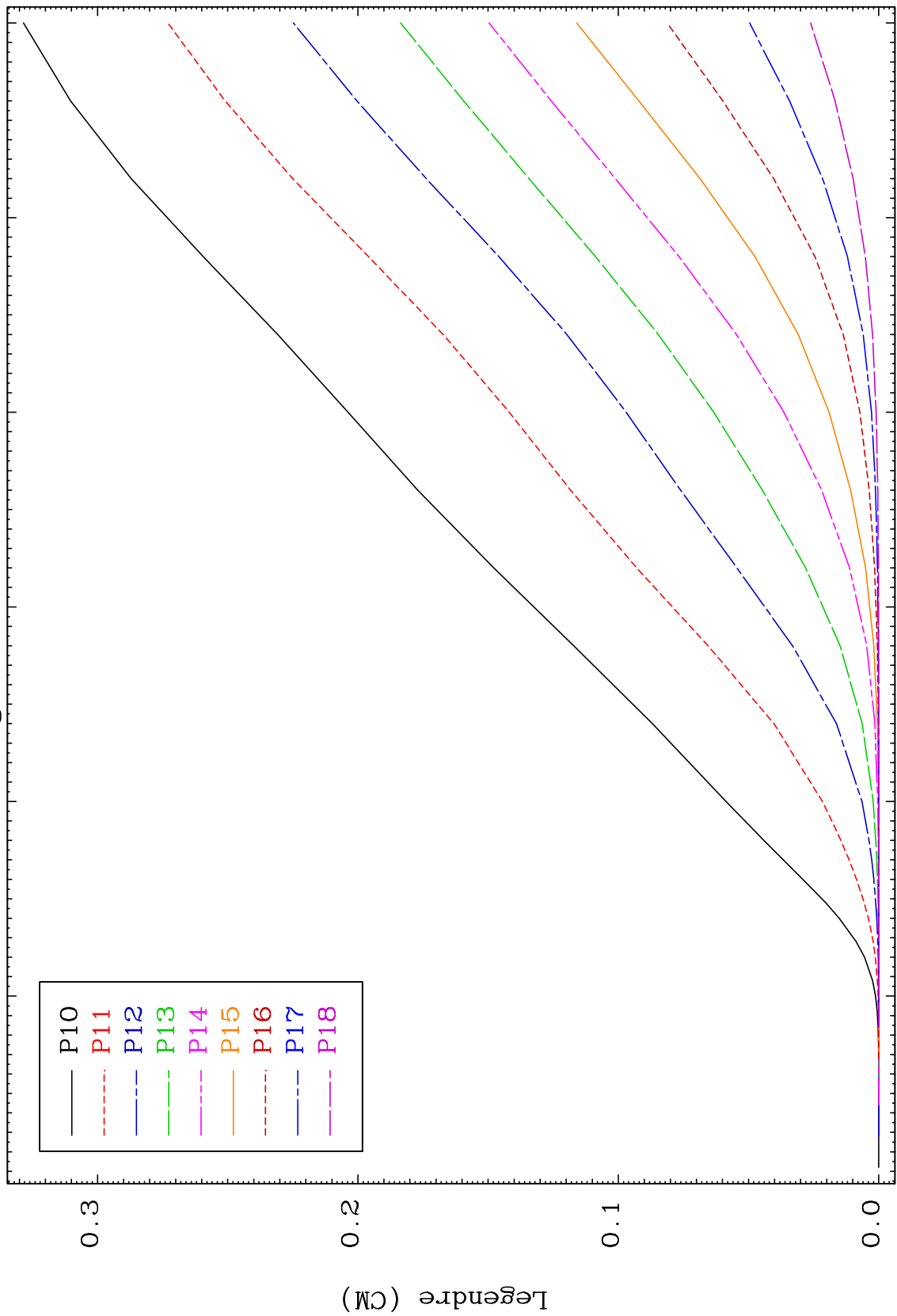
Incident Energy (MeV)

17

MAT 5928

Elastic Legendre Coefficients

59-Pr-142



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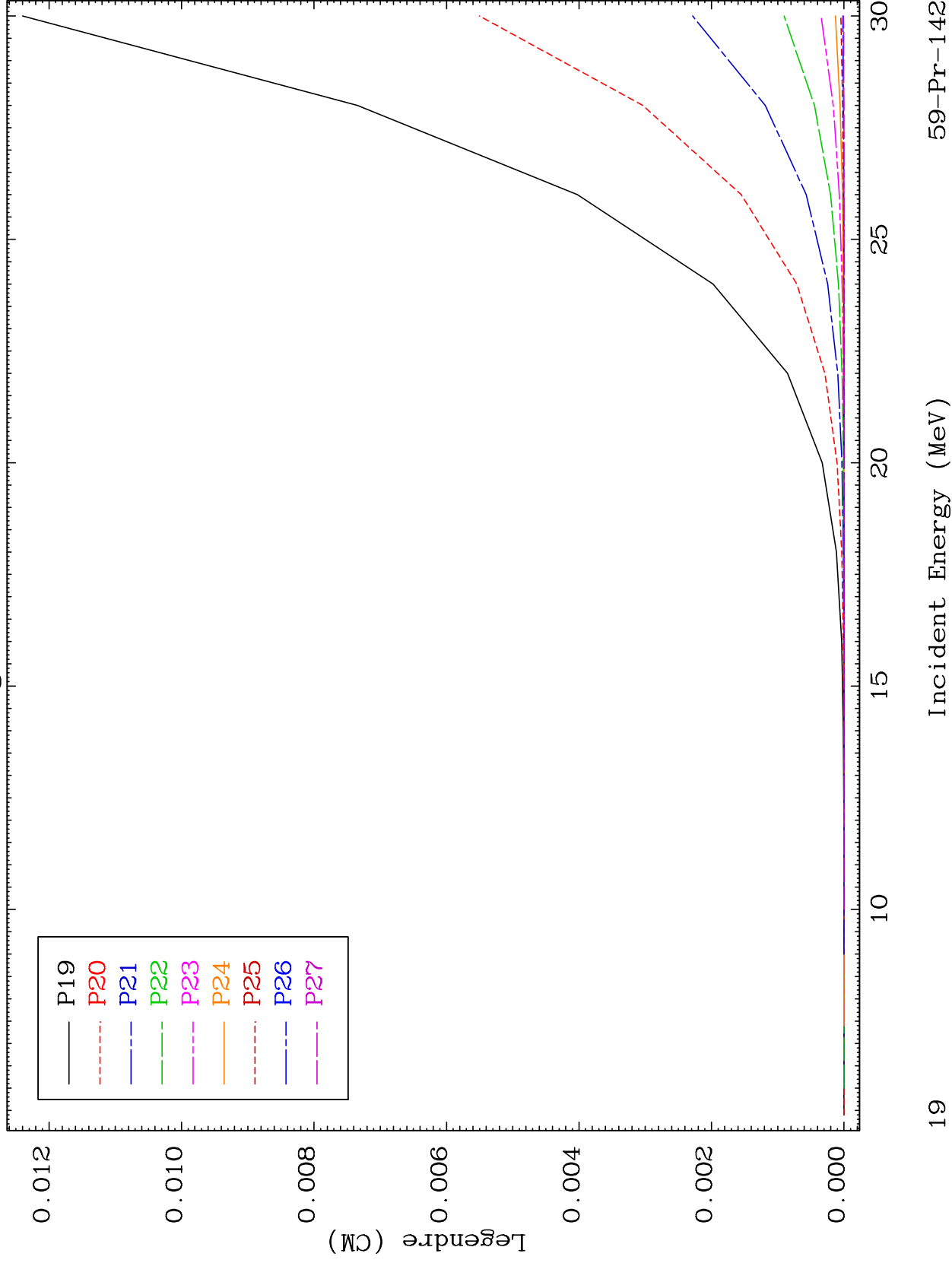
Incident Energy (MeV)

59-Pr-142

MAT 5928

### Elastic Legendre Coefficients

59-Pr-142



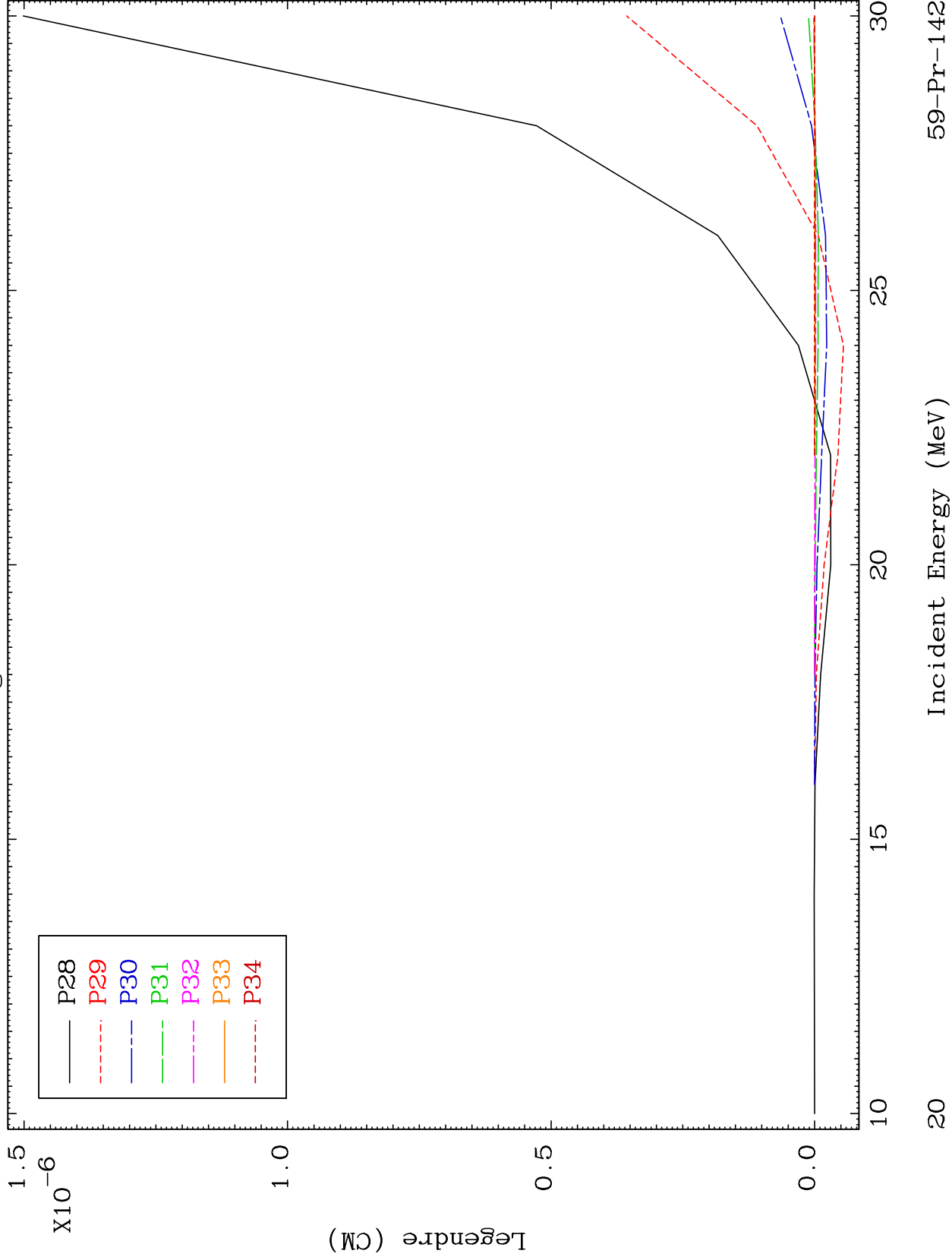
19

59-Pr-142

MAT 5928

Elastic  
Legendre Coefficients

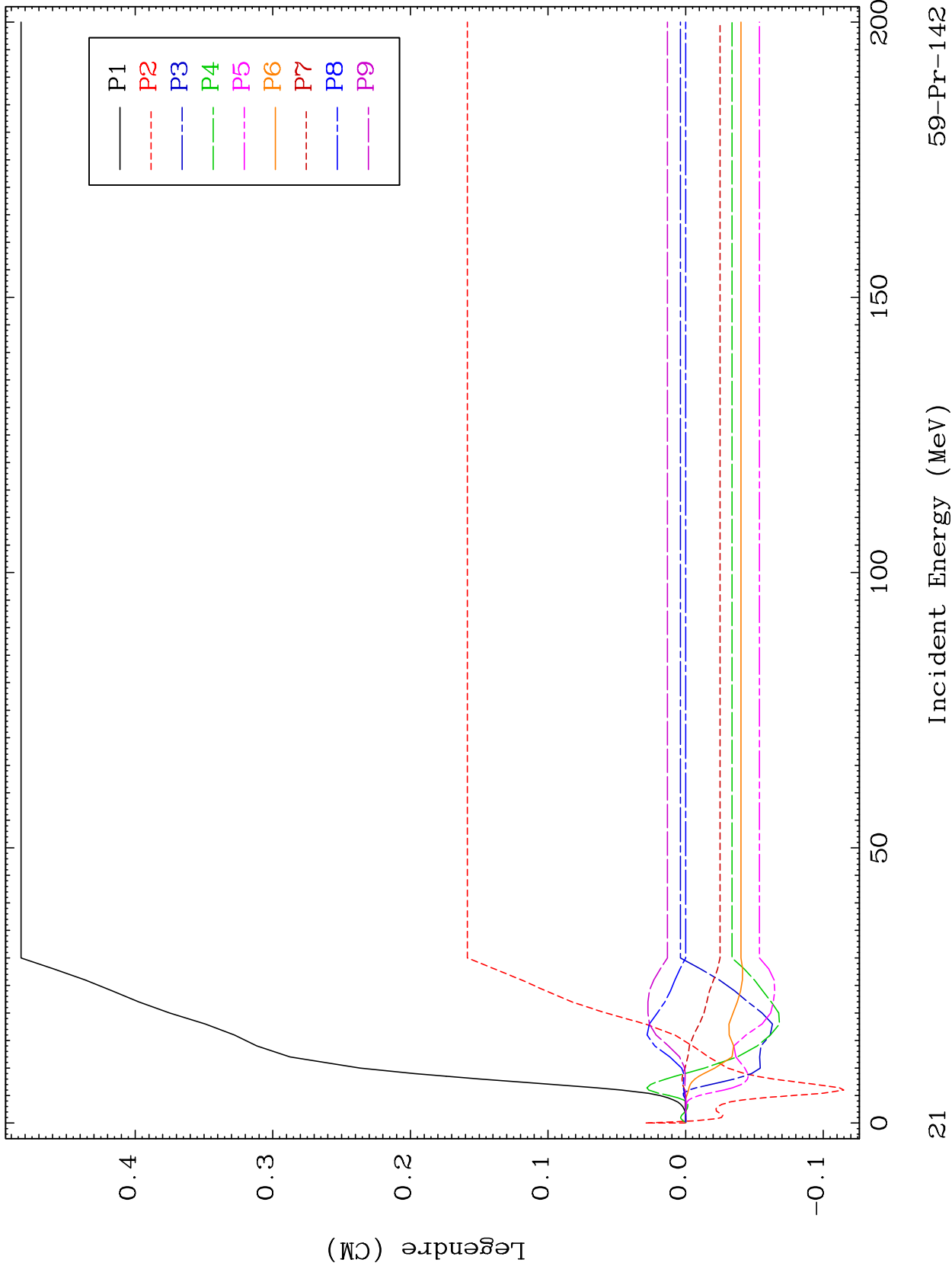
59-Pr-142



MAT 5928

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

59-Pr-142



59-Pr-142

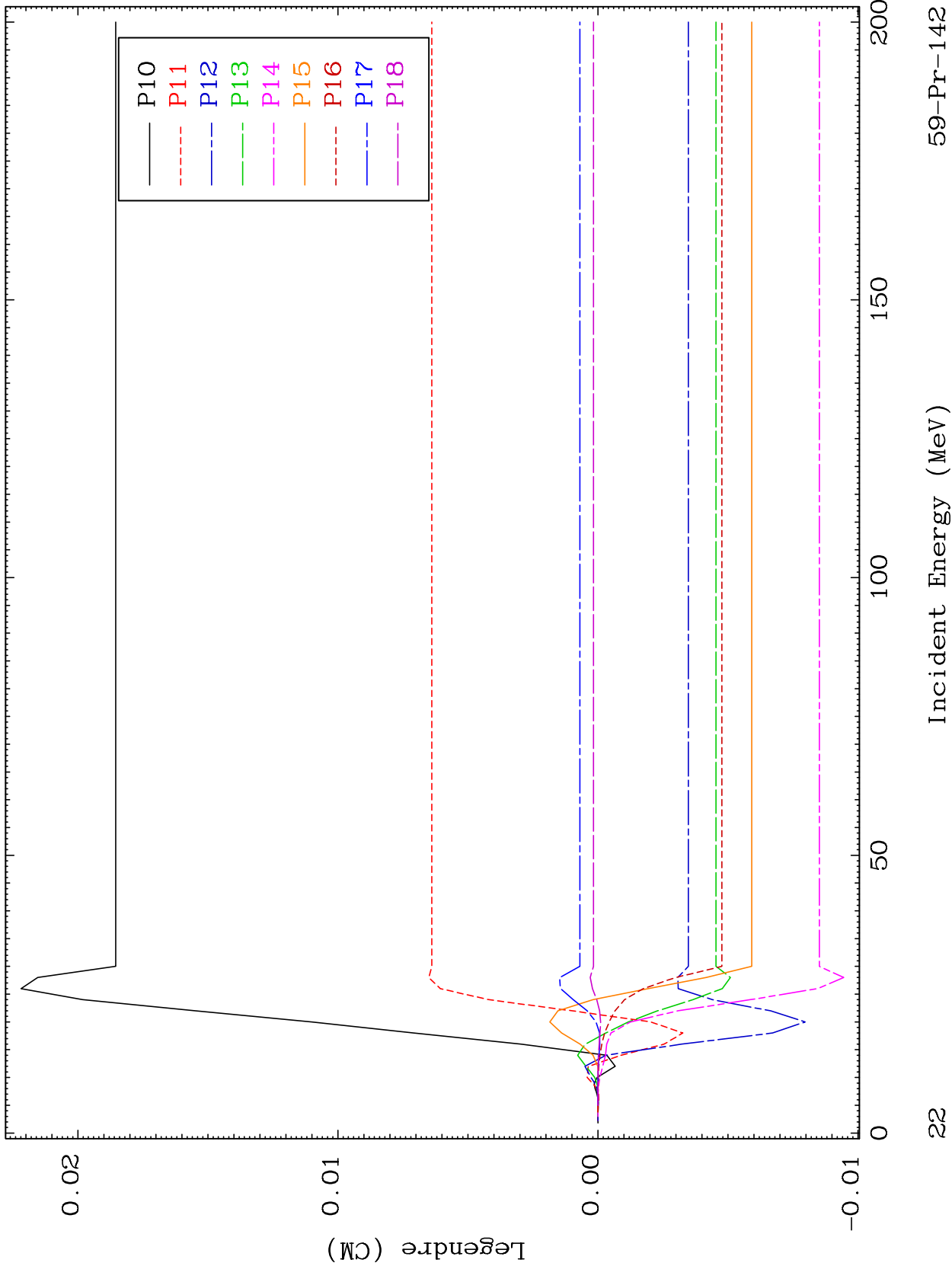
Incident Energy (MeV)

21

MAT 5928

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

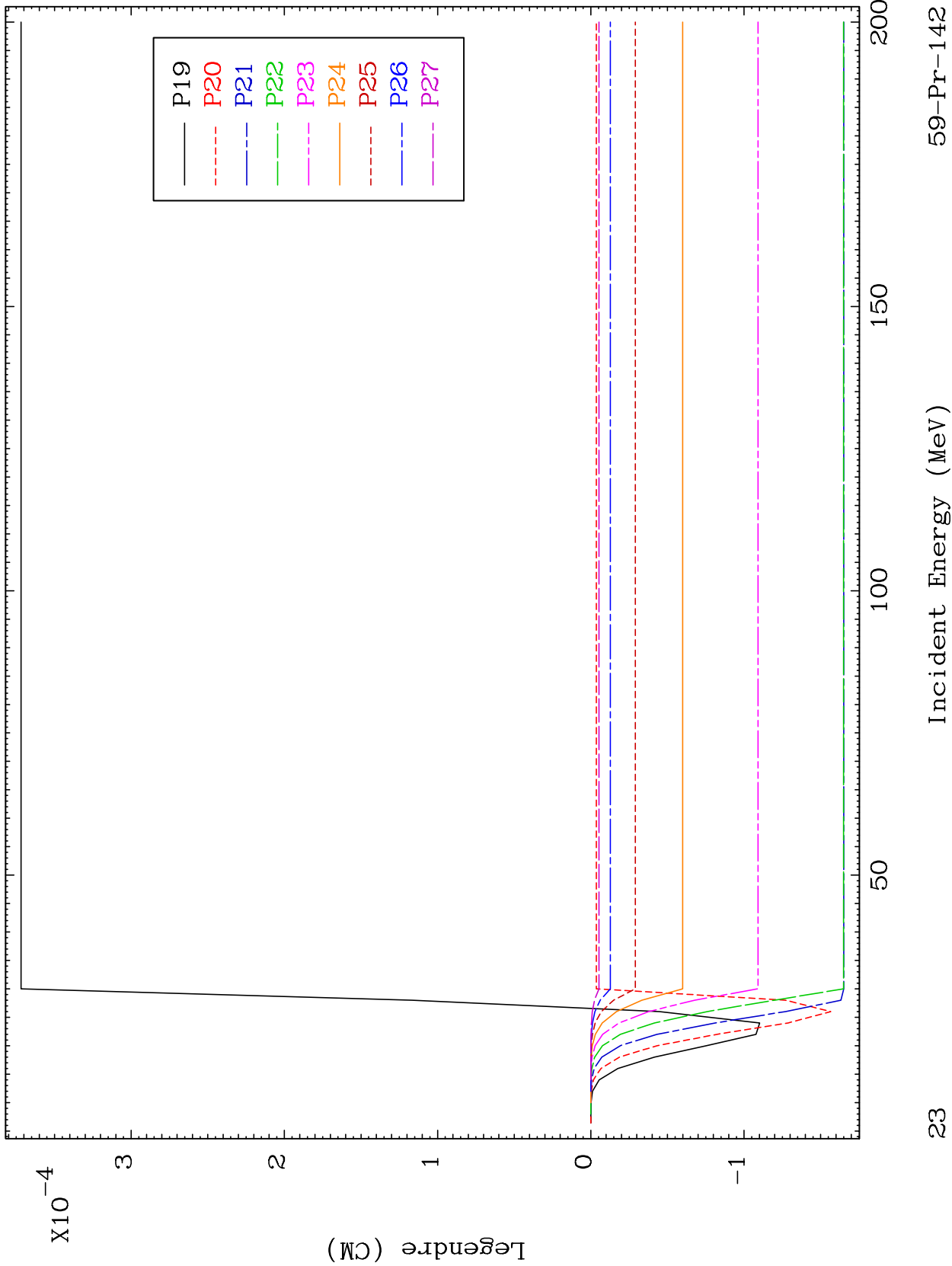
59-Pr-142



59-Pr-142

Incident Energy (MeV)

22

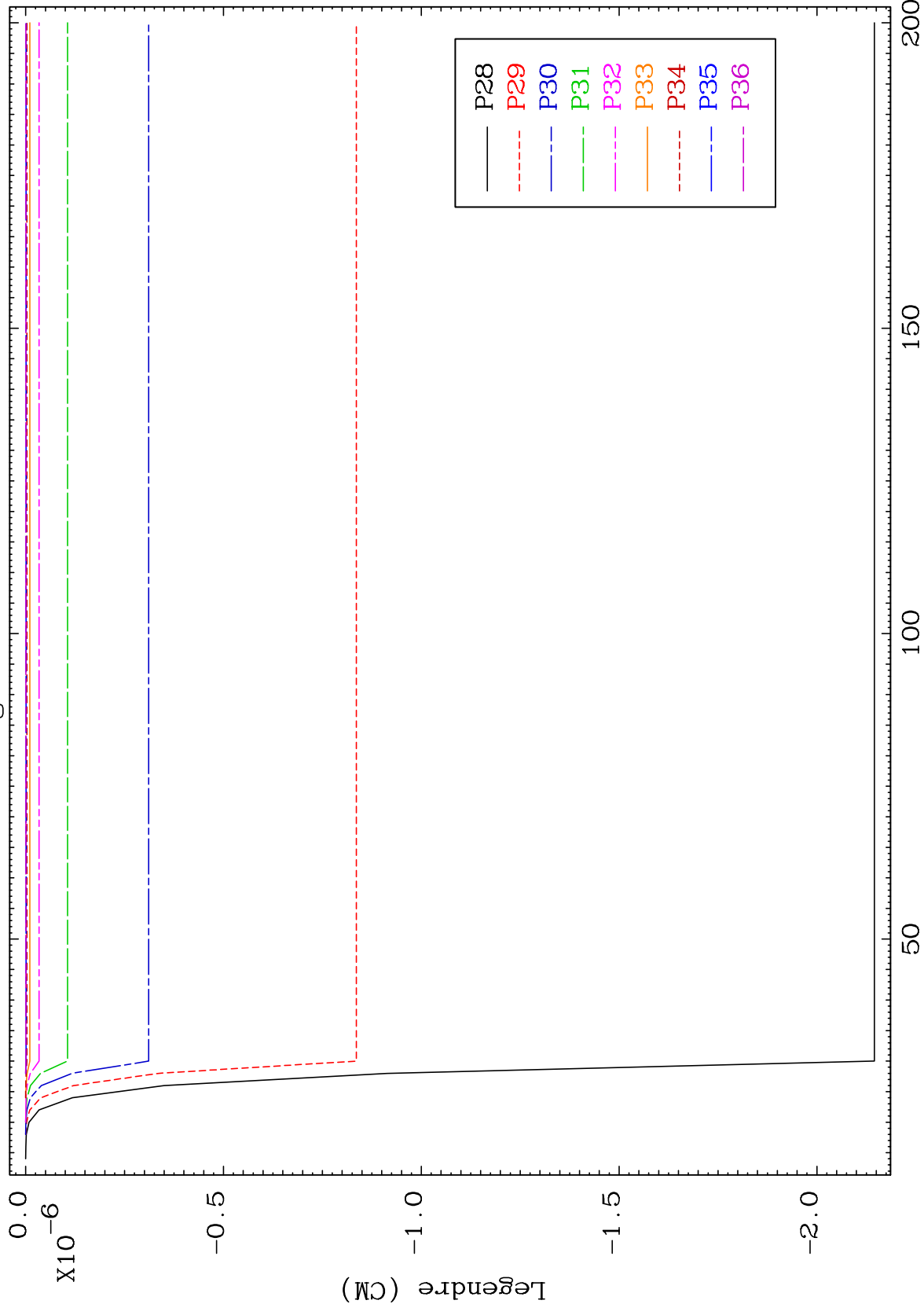




MAT 5928

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

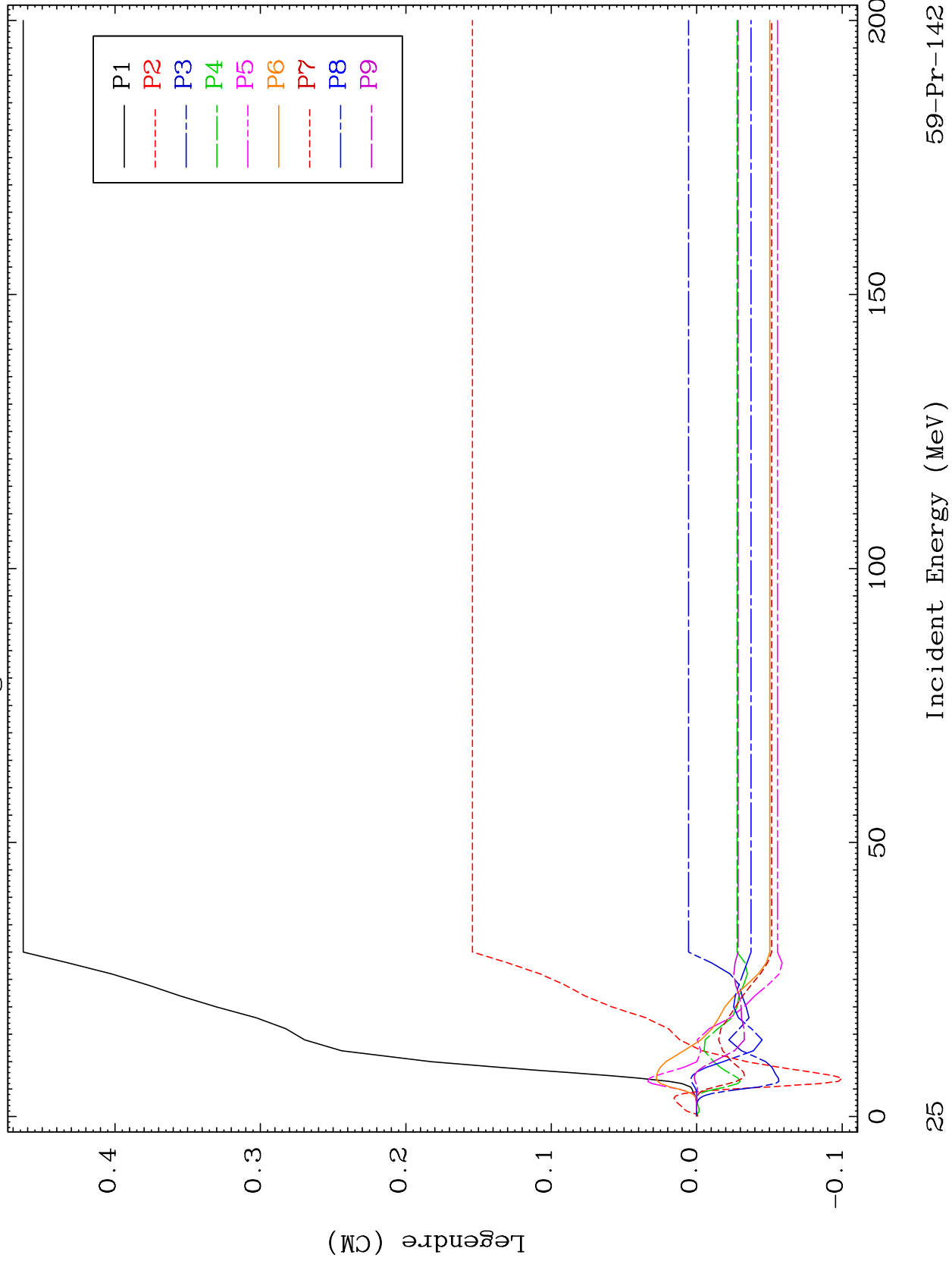
59-Pr-142



MAT 5928

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

59-Pr-142



59-Pr-142

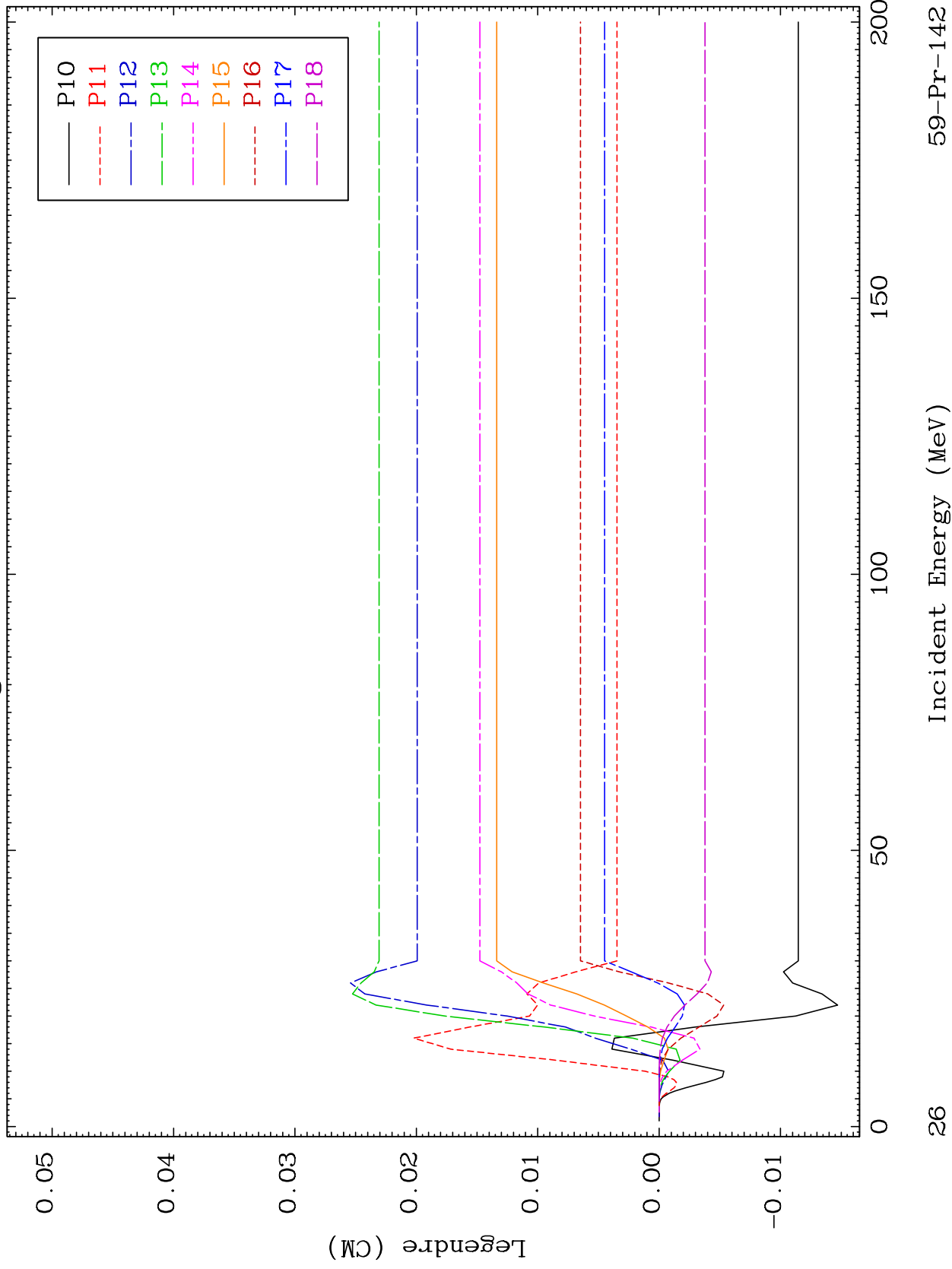
Incident Energy (MeV)

25

MAT 5928

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

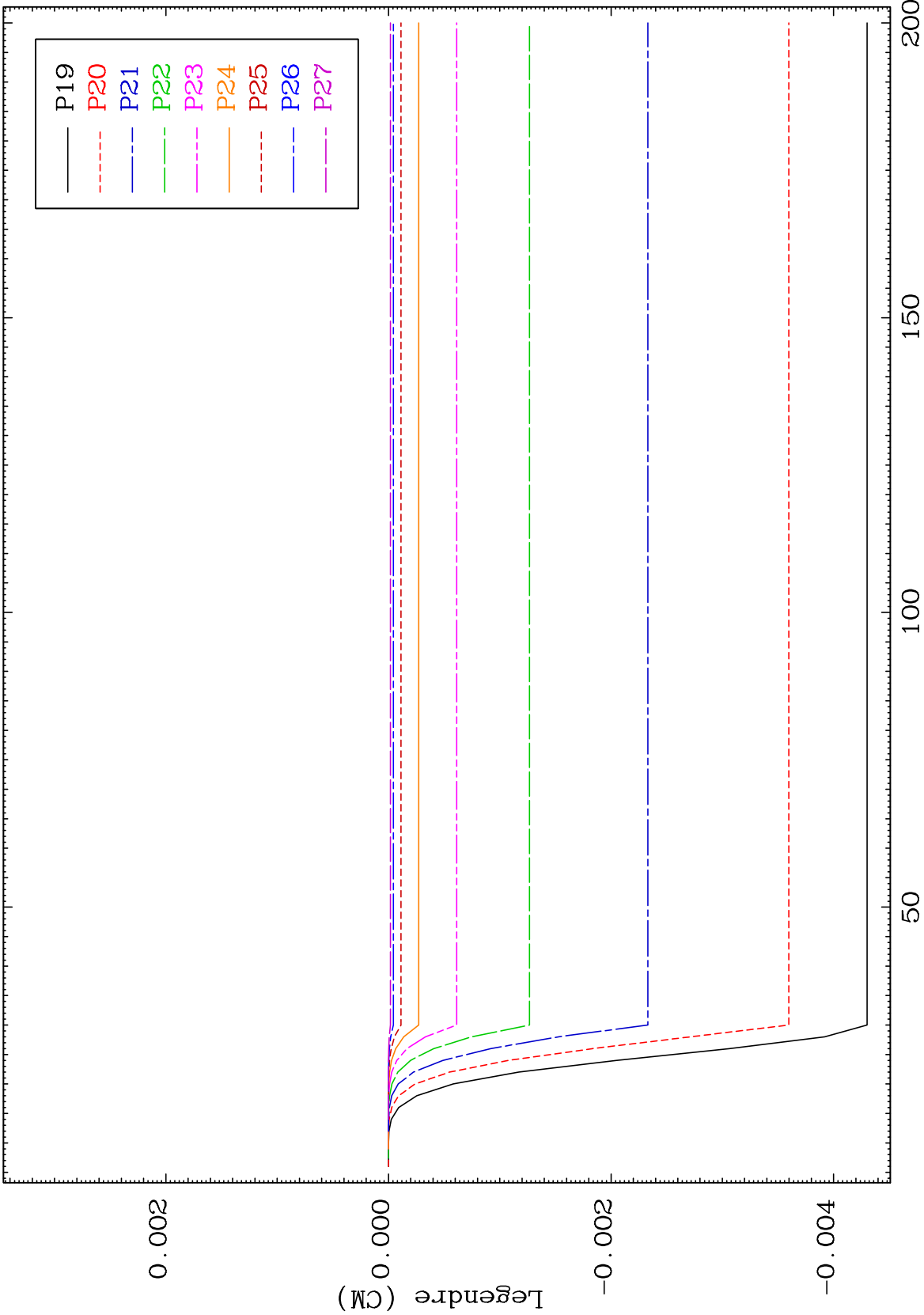
59-Pr-142



26

Incident Energy (MeV)

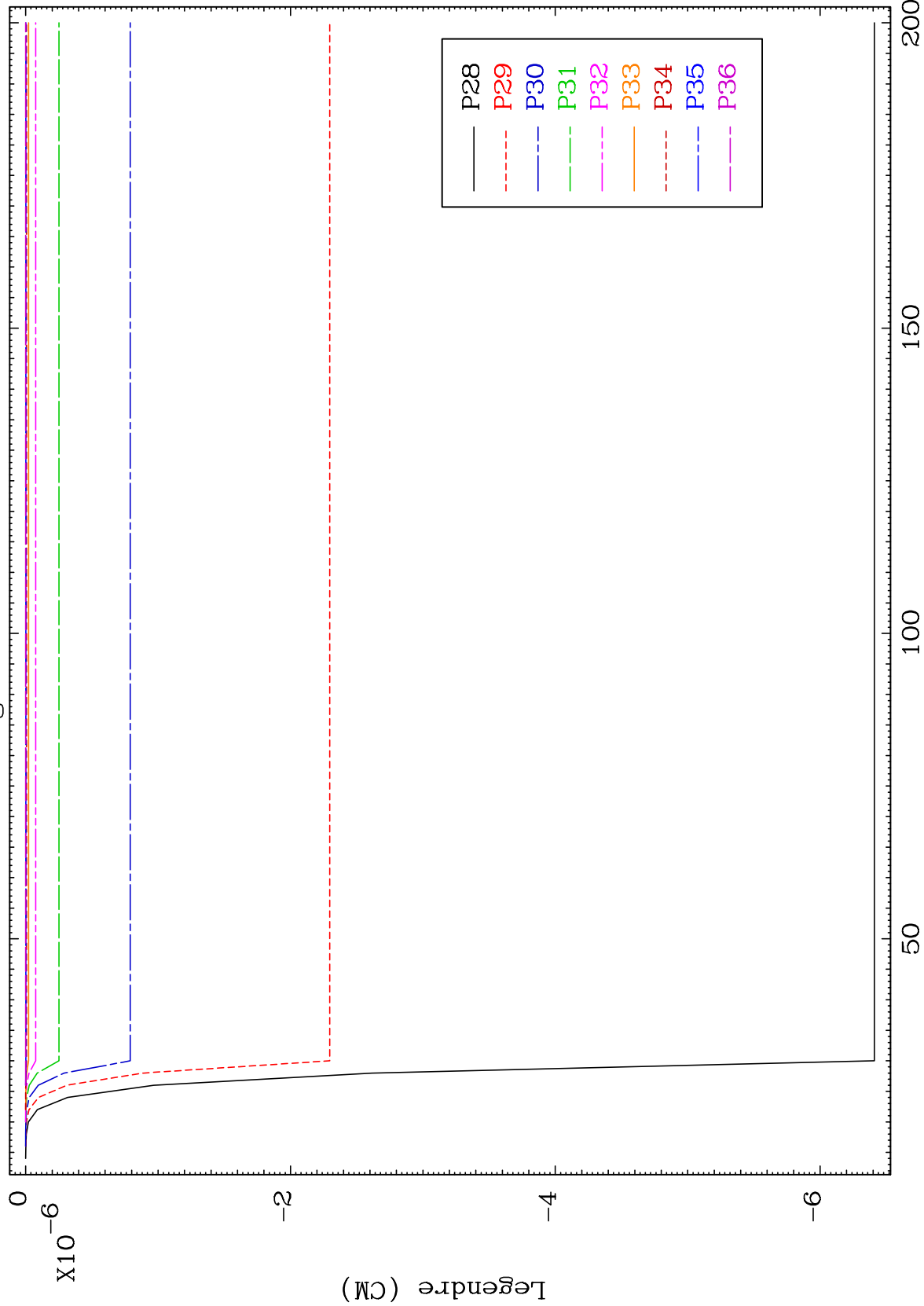
59-Pr-142



MAT 5928

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

59-Pr-142



28

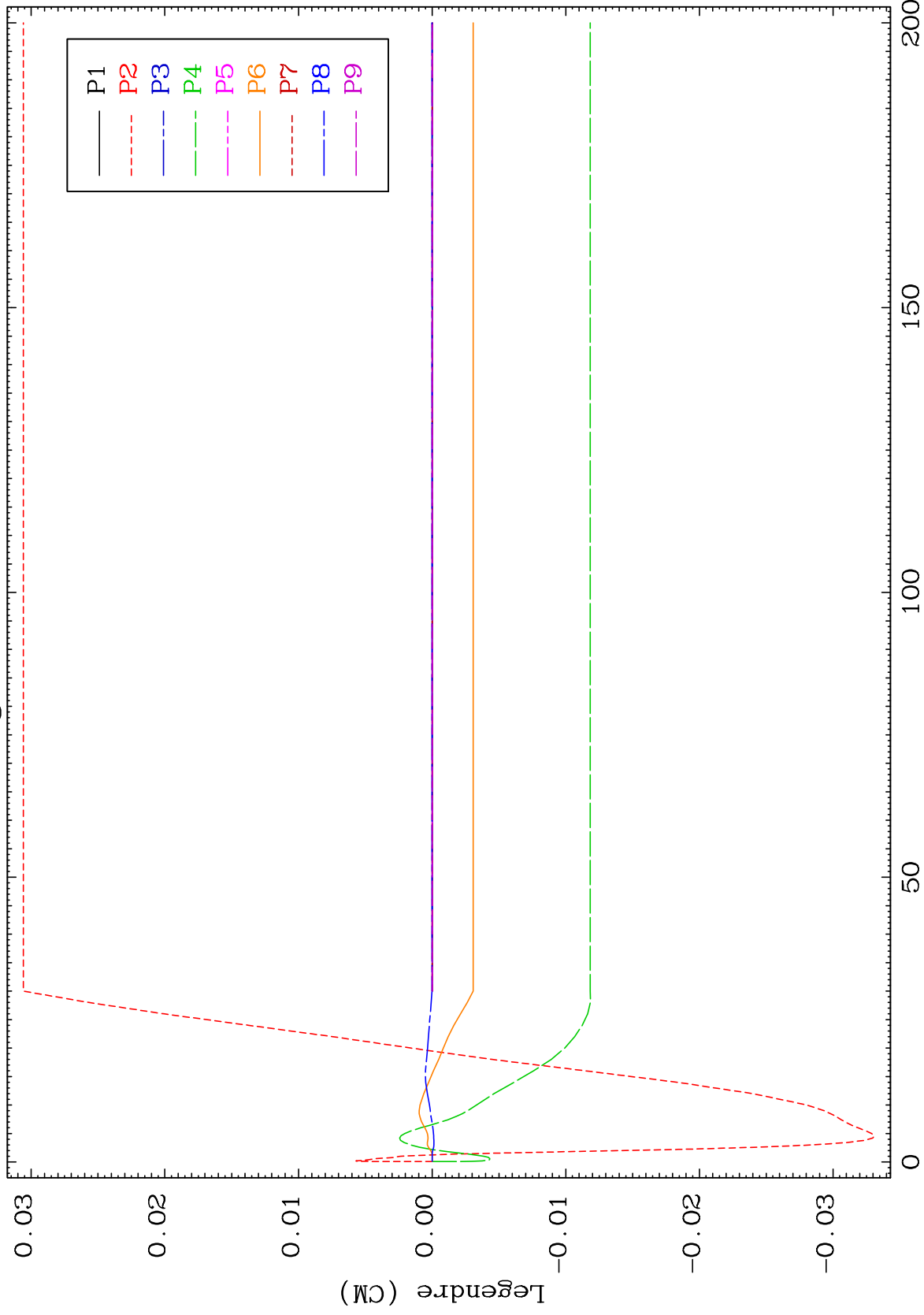
Incident Energy (MeV)

59-Pr-142

MAT 5928

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

59-Pr-142



29

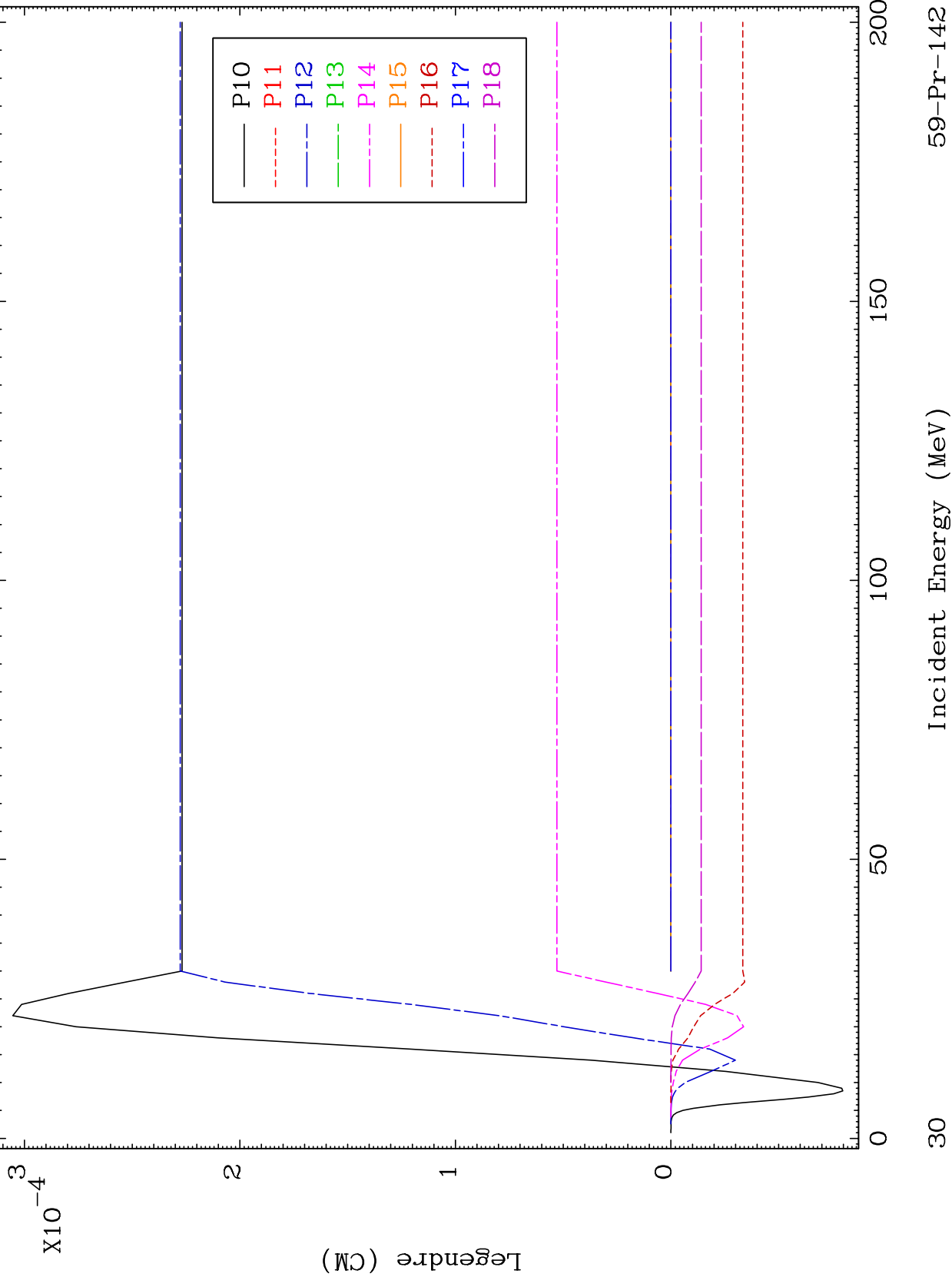
Incident Energy (MeV)

59-Pr-142

MAT 5928

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

59-Pr-142



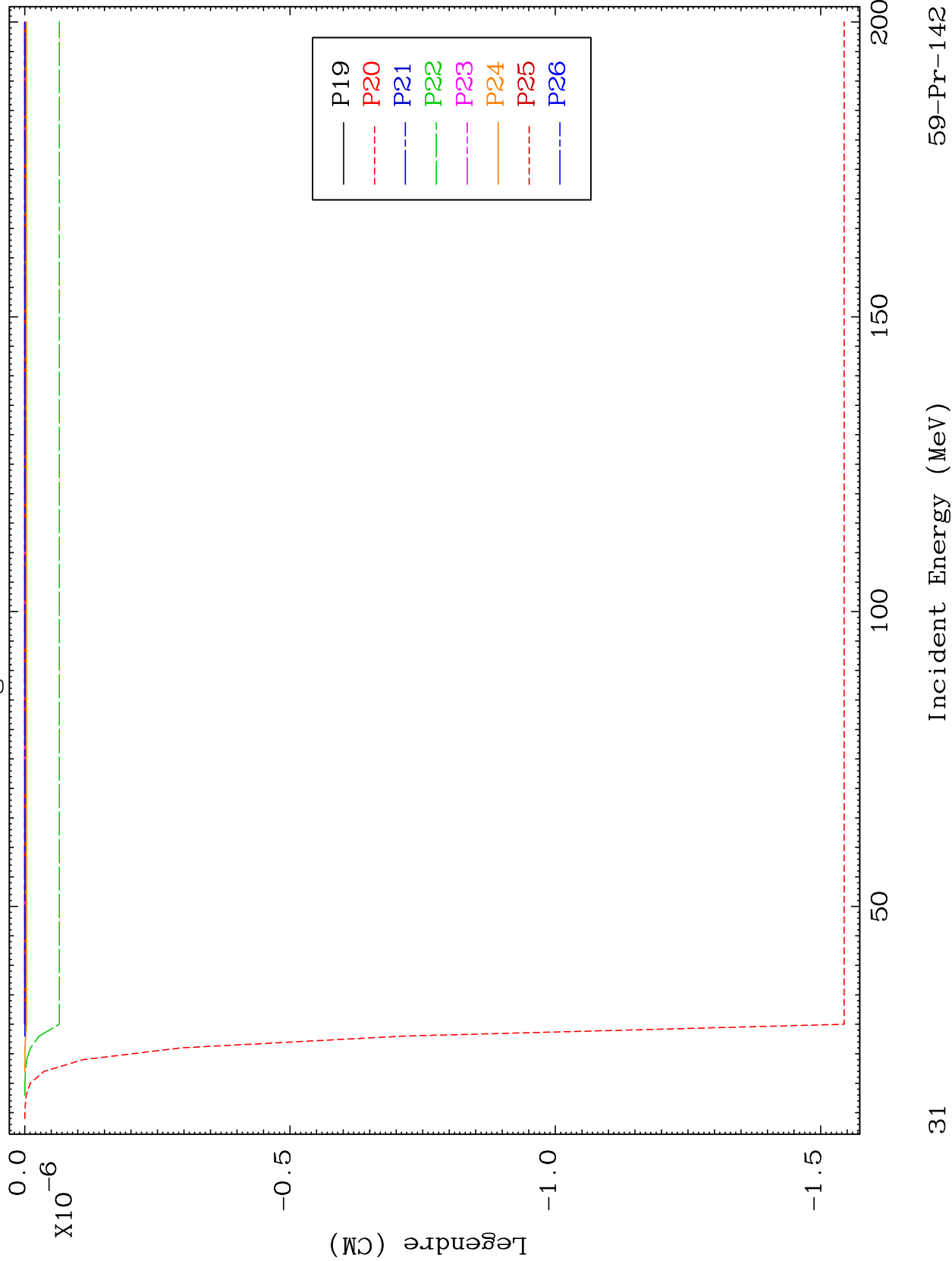
59-Pr-142

Incident Energy (MeV)

MAT 5928

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

59-Pr-142

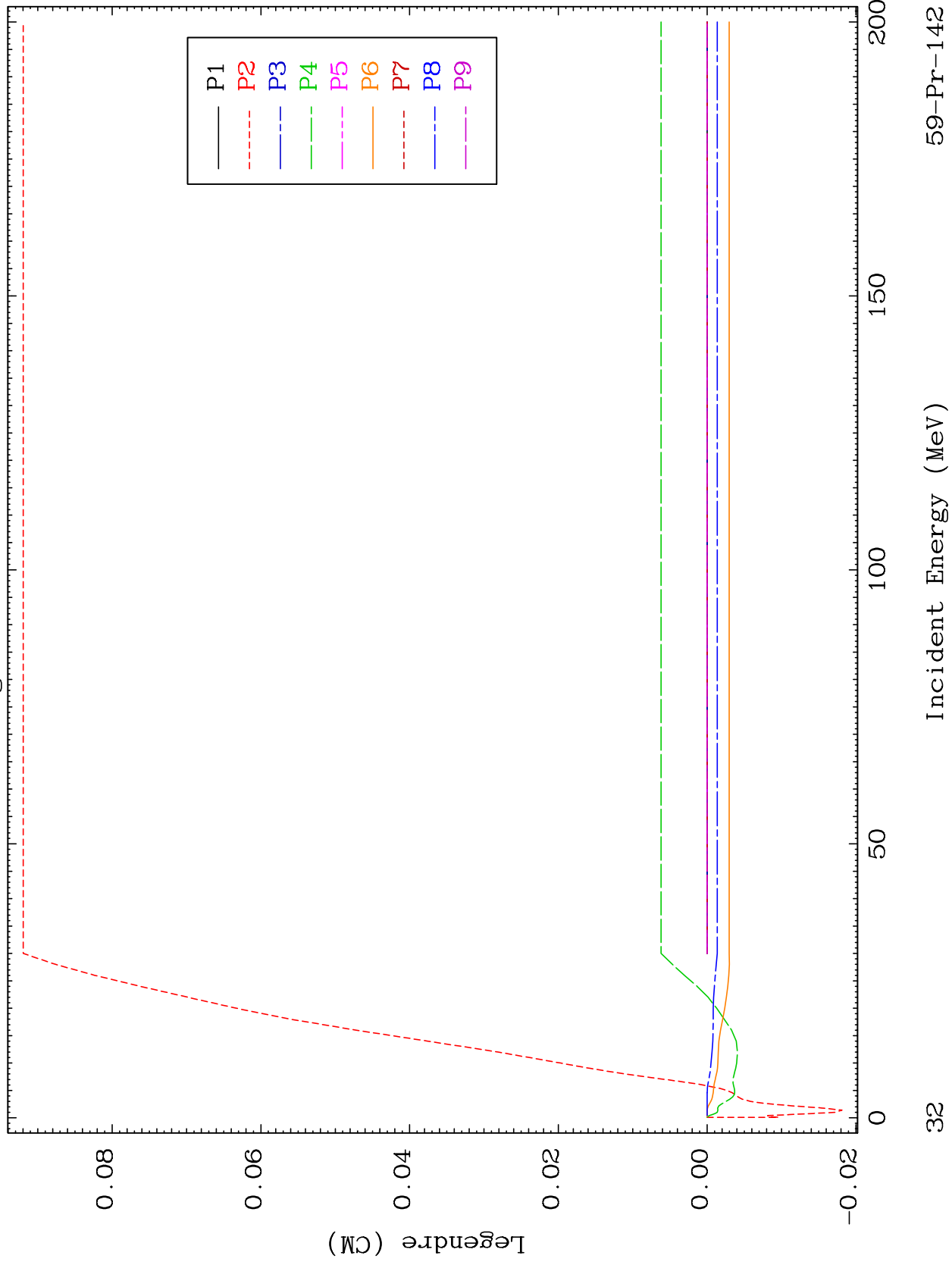




MAT 5928

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

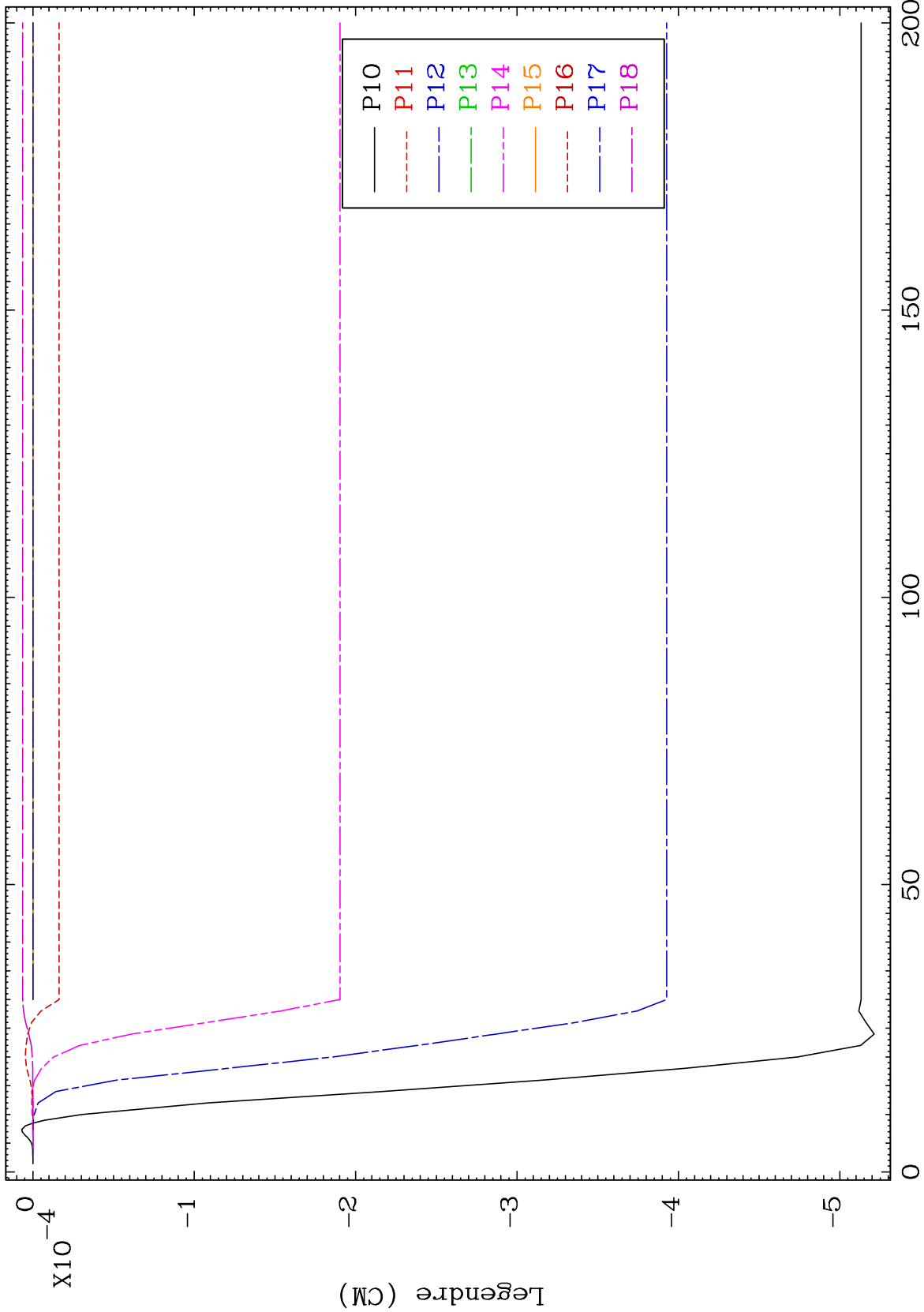
59-Pr-142



59-Pr-142

Incident Energy (MeV)

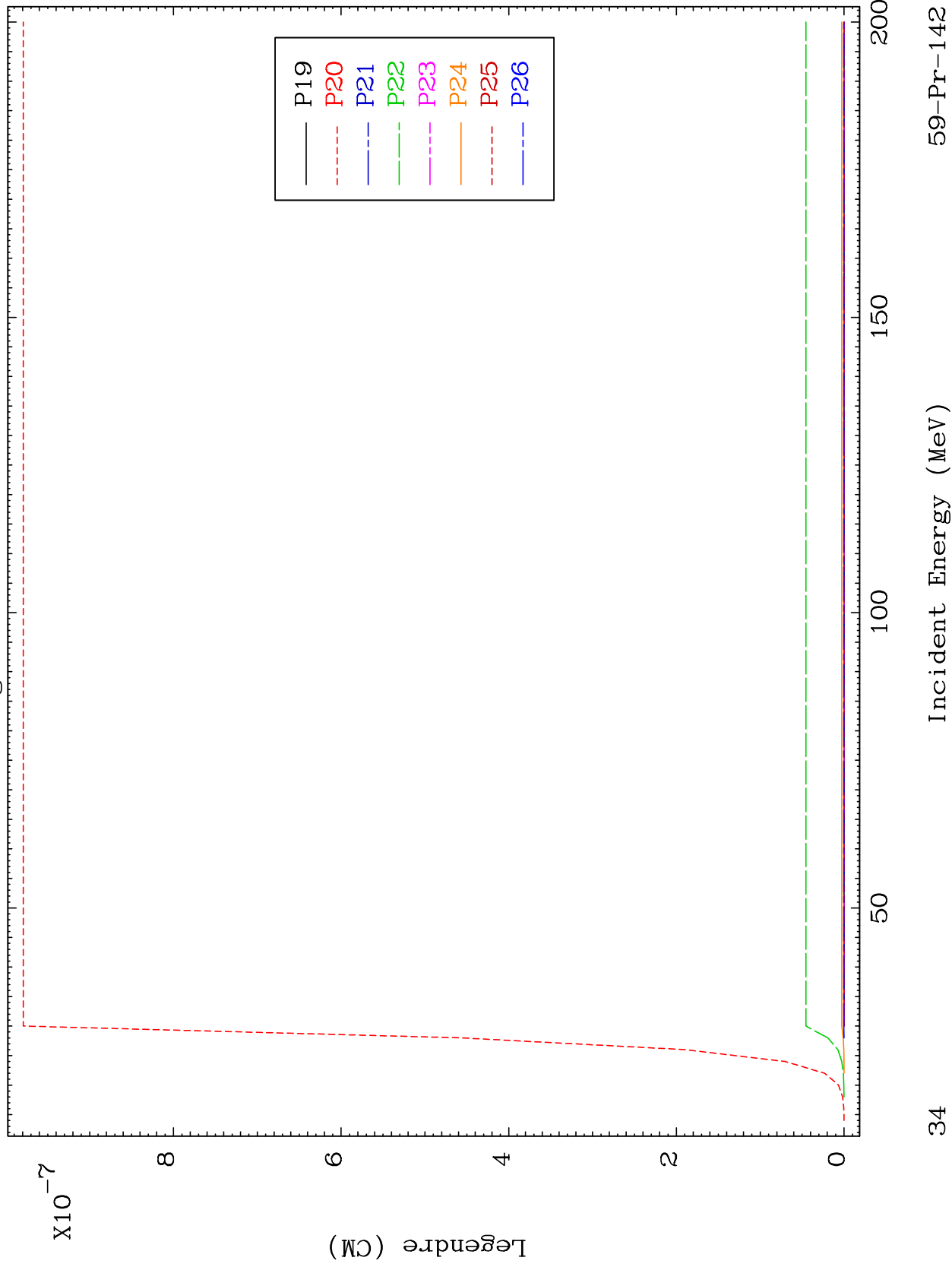
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MAT 5928

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

59-Pr-142



34

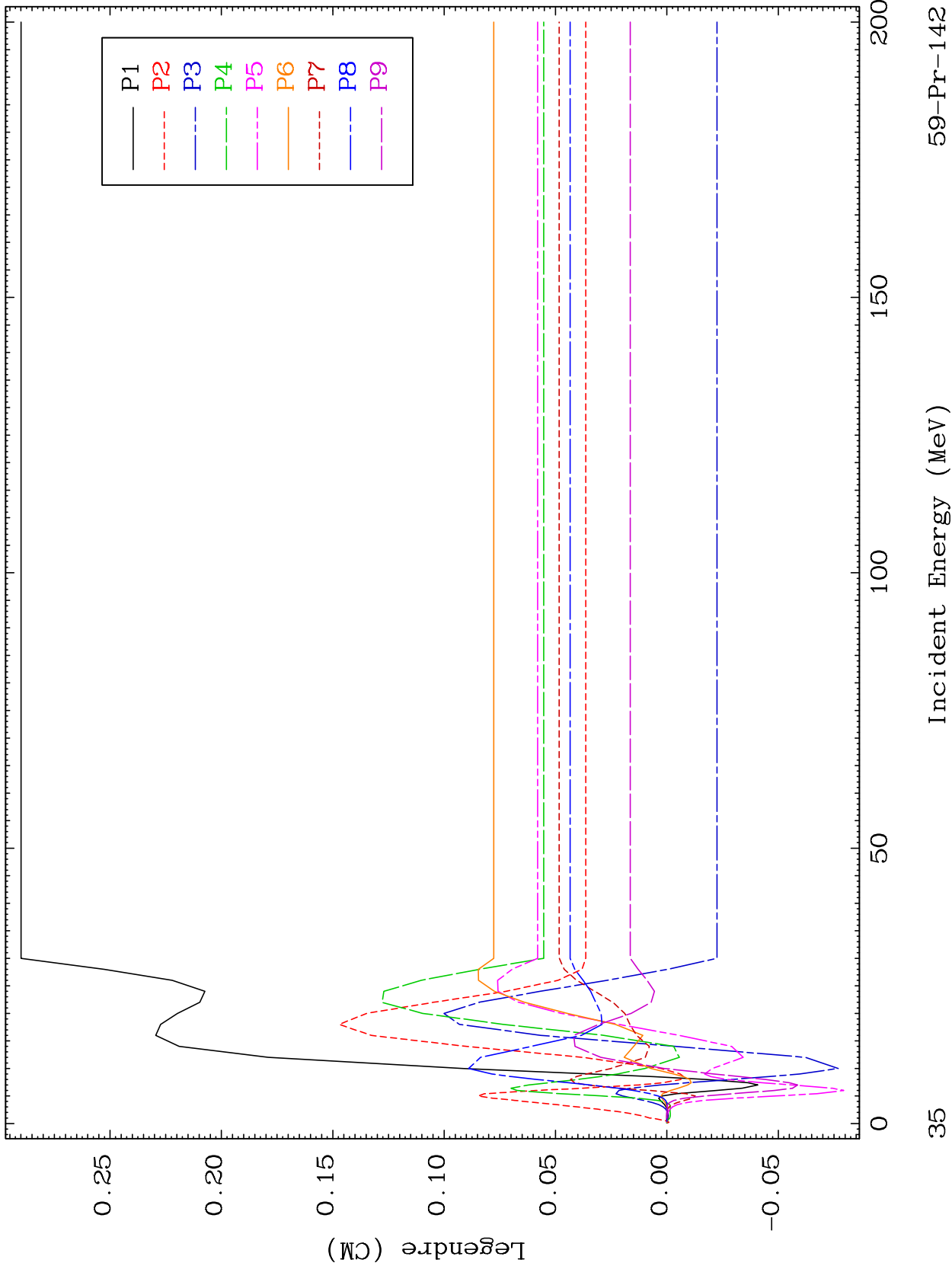
Incident Energy (MeV)

59-Pr-142

MAT 5928

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

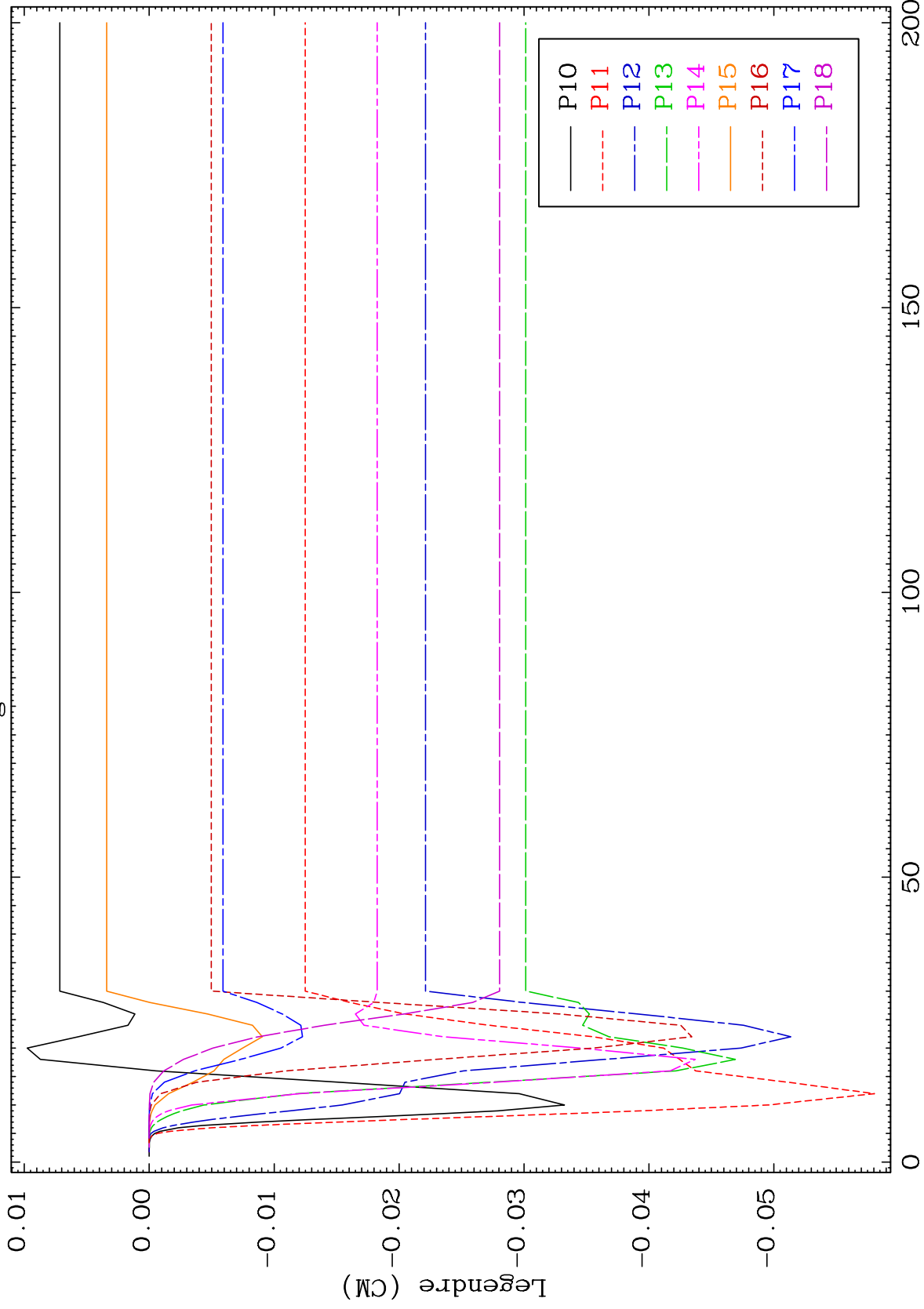
59-Pr-142



59-Pr-142

Incident Energy (MeV)

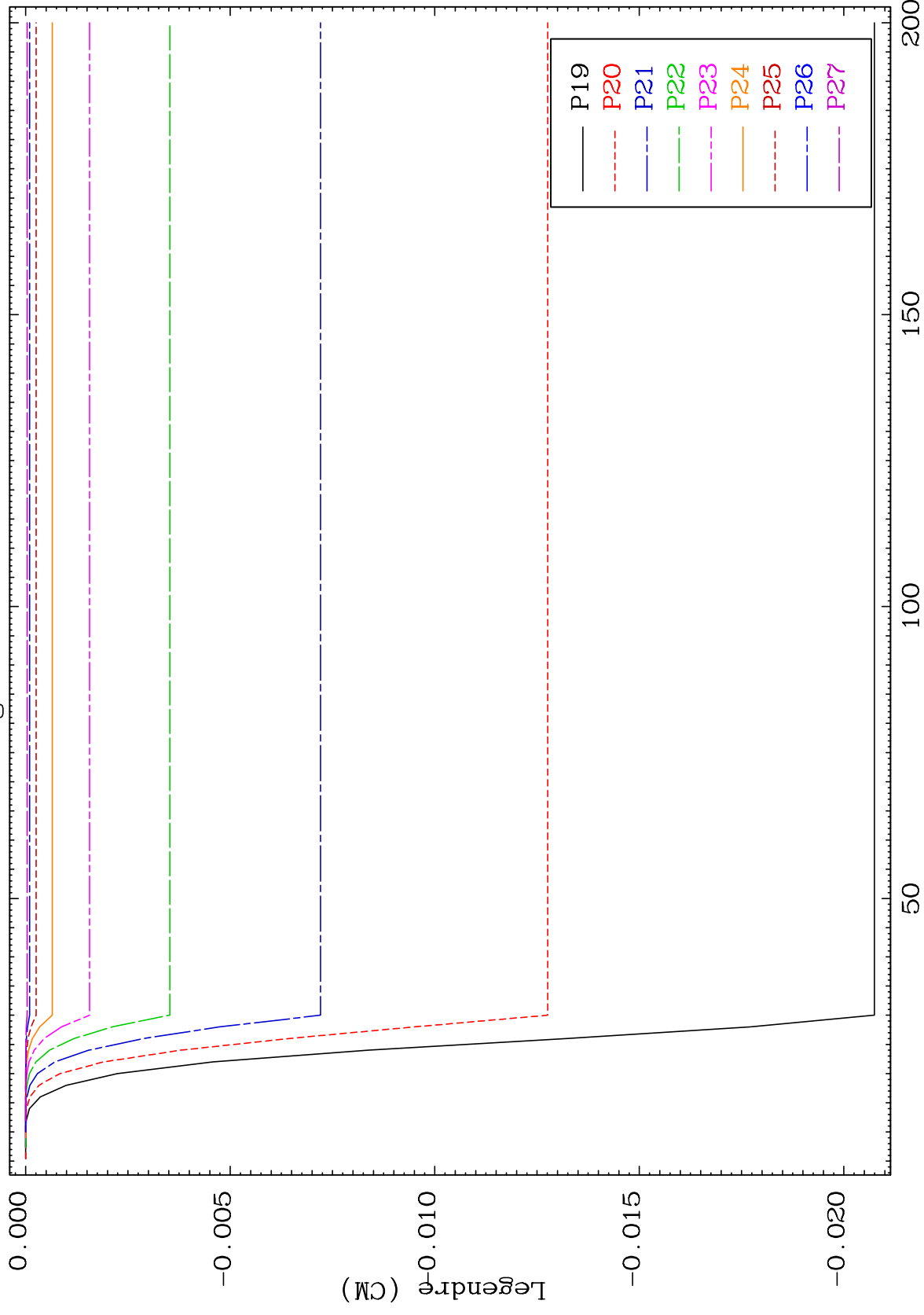
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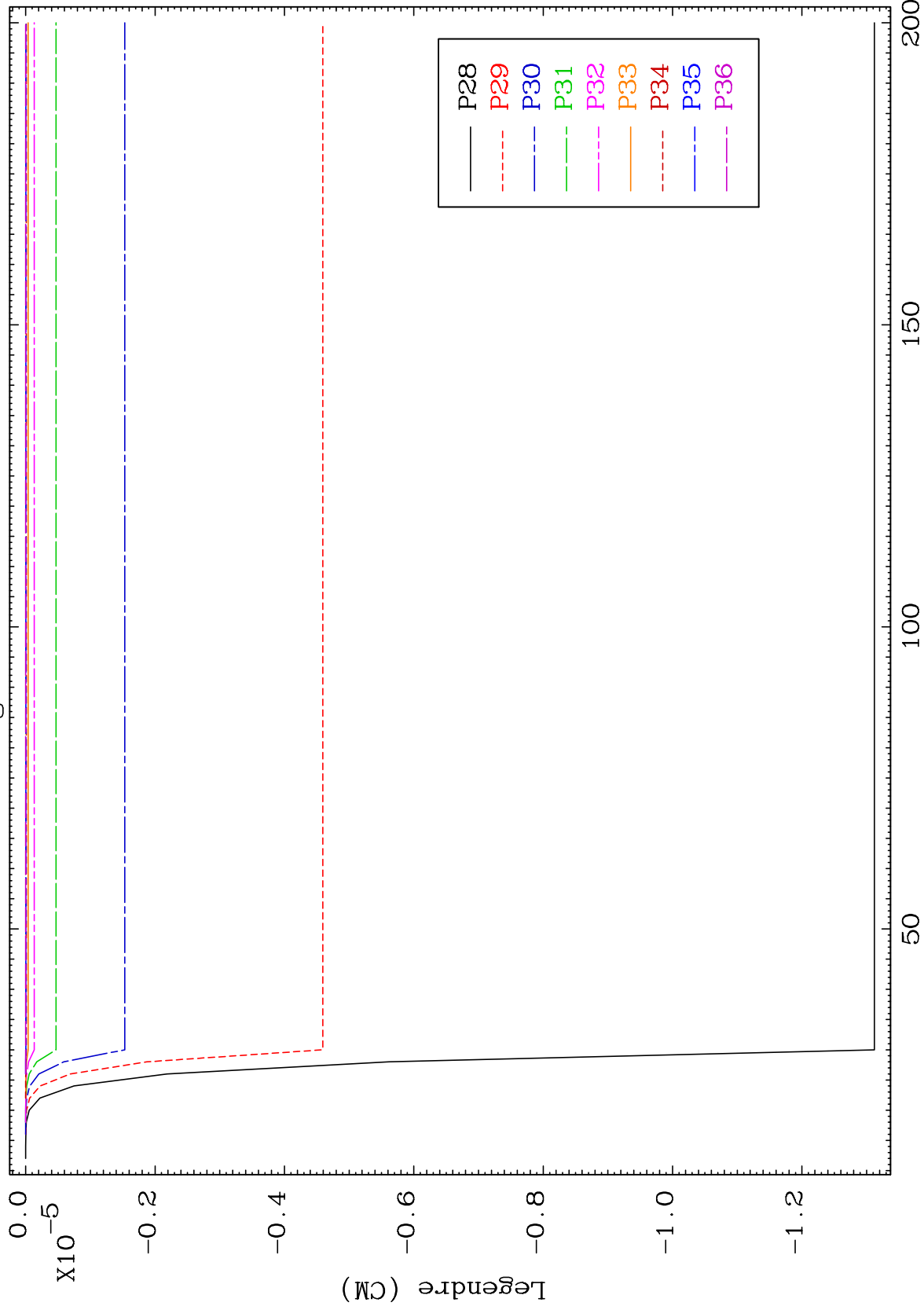


MAT 5928

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

59-Pr-142

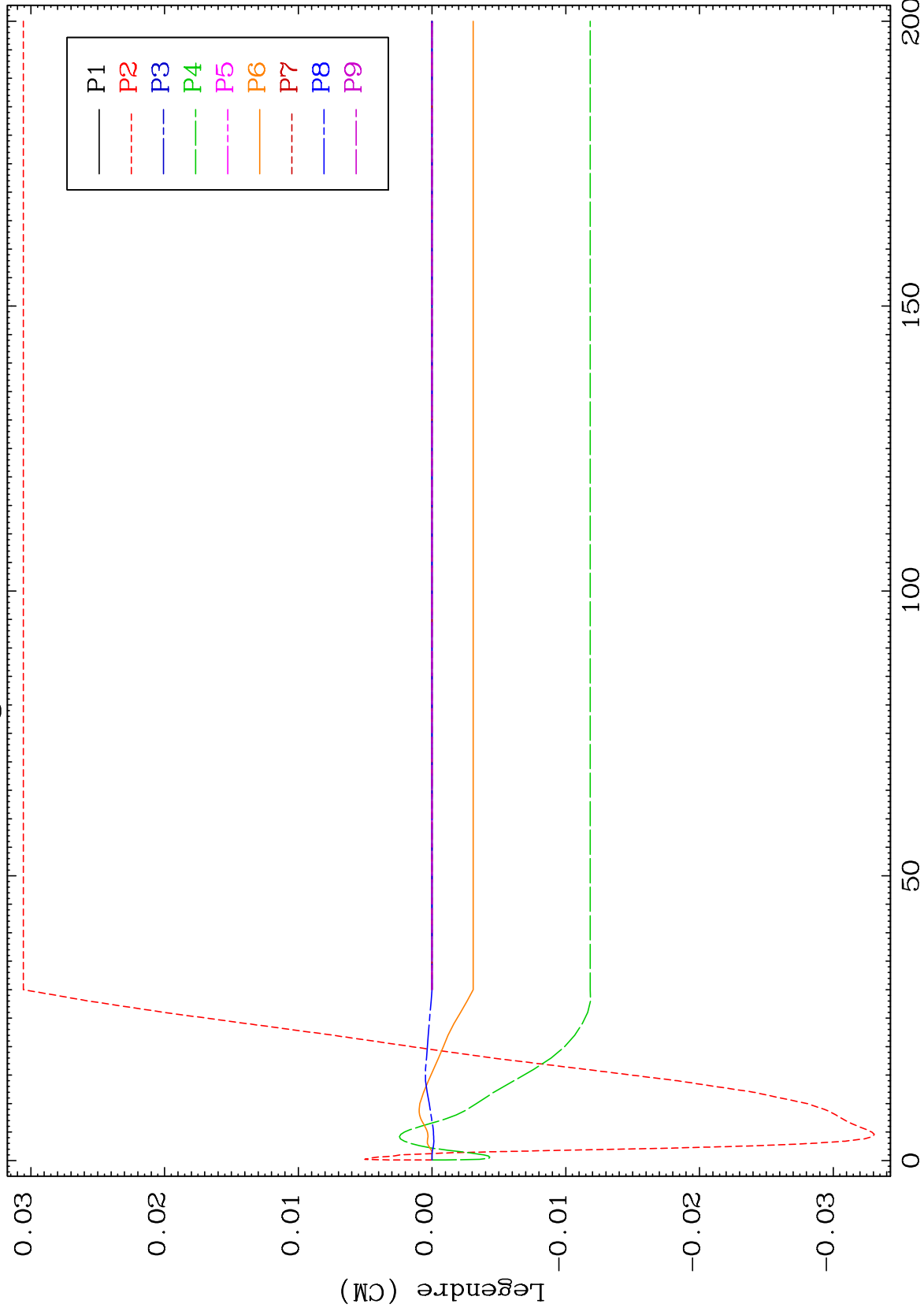




MAT 5928

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

59-Pr-142



39

Incident Energy (MeV)

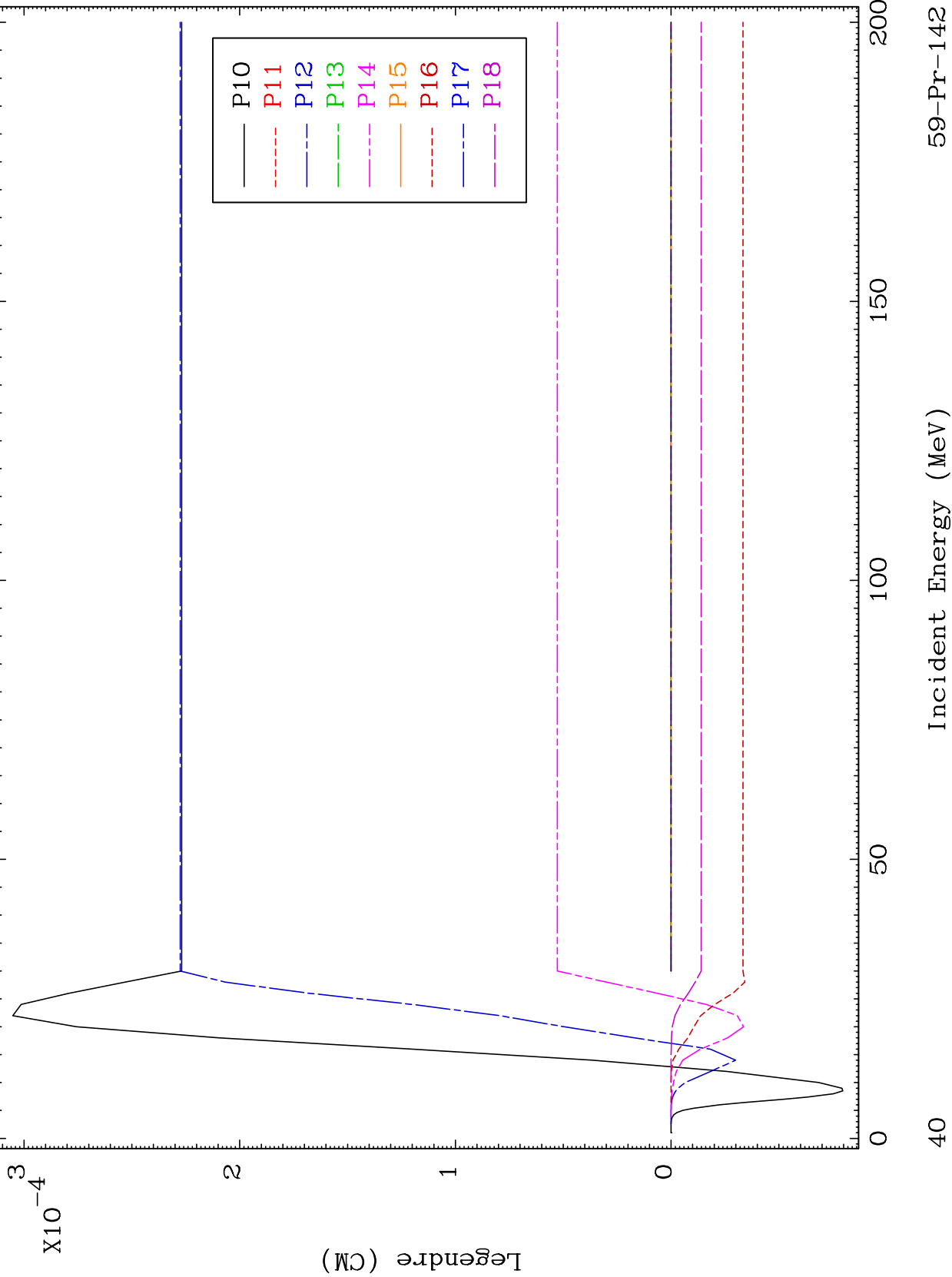
59-Pr-142



MAT 5928

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

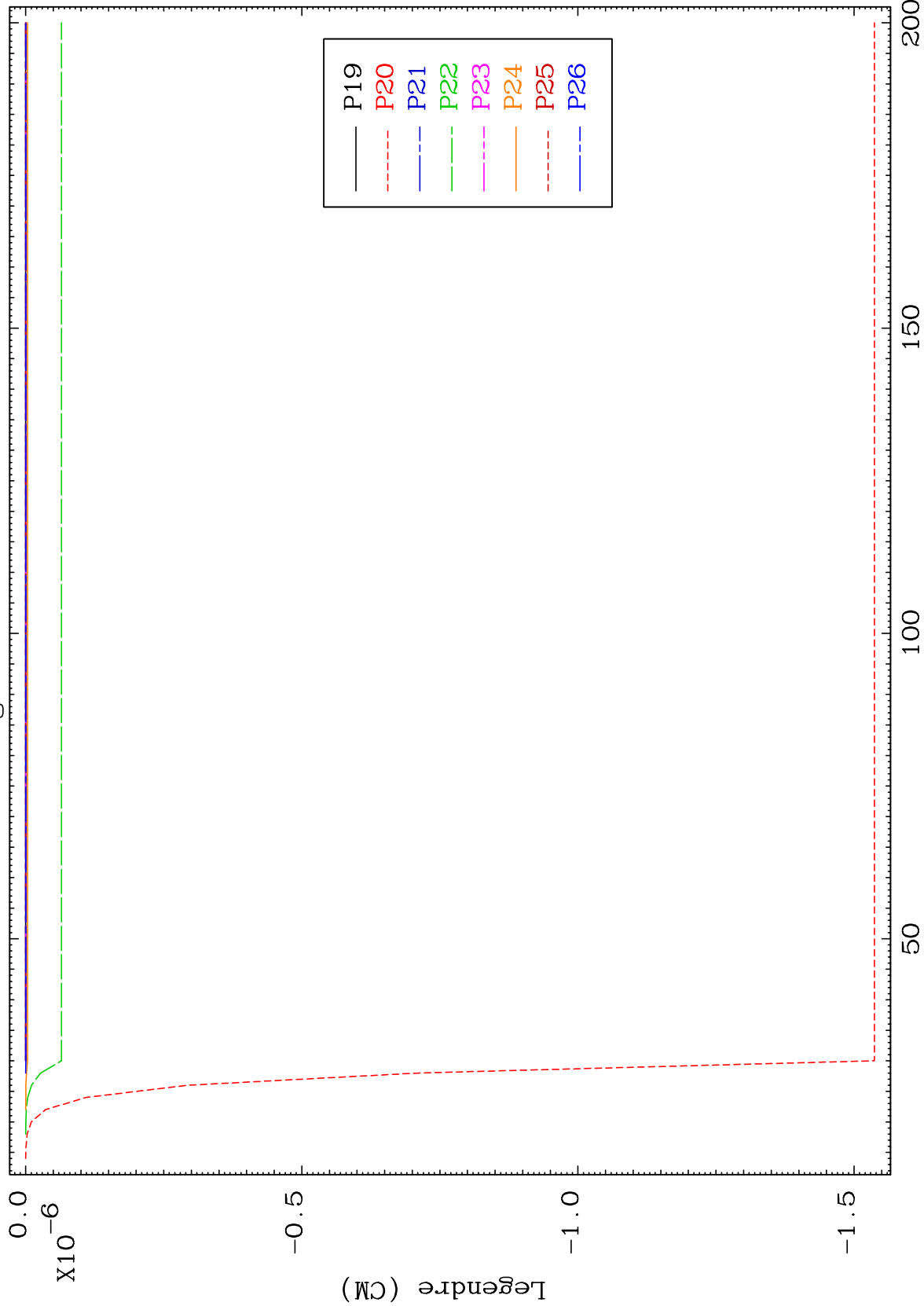
59-Pr-142



MAT 5928

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

59-Pr-142



41

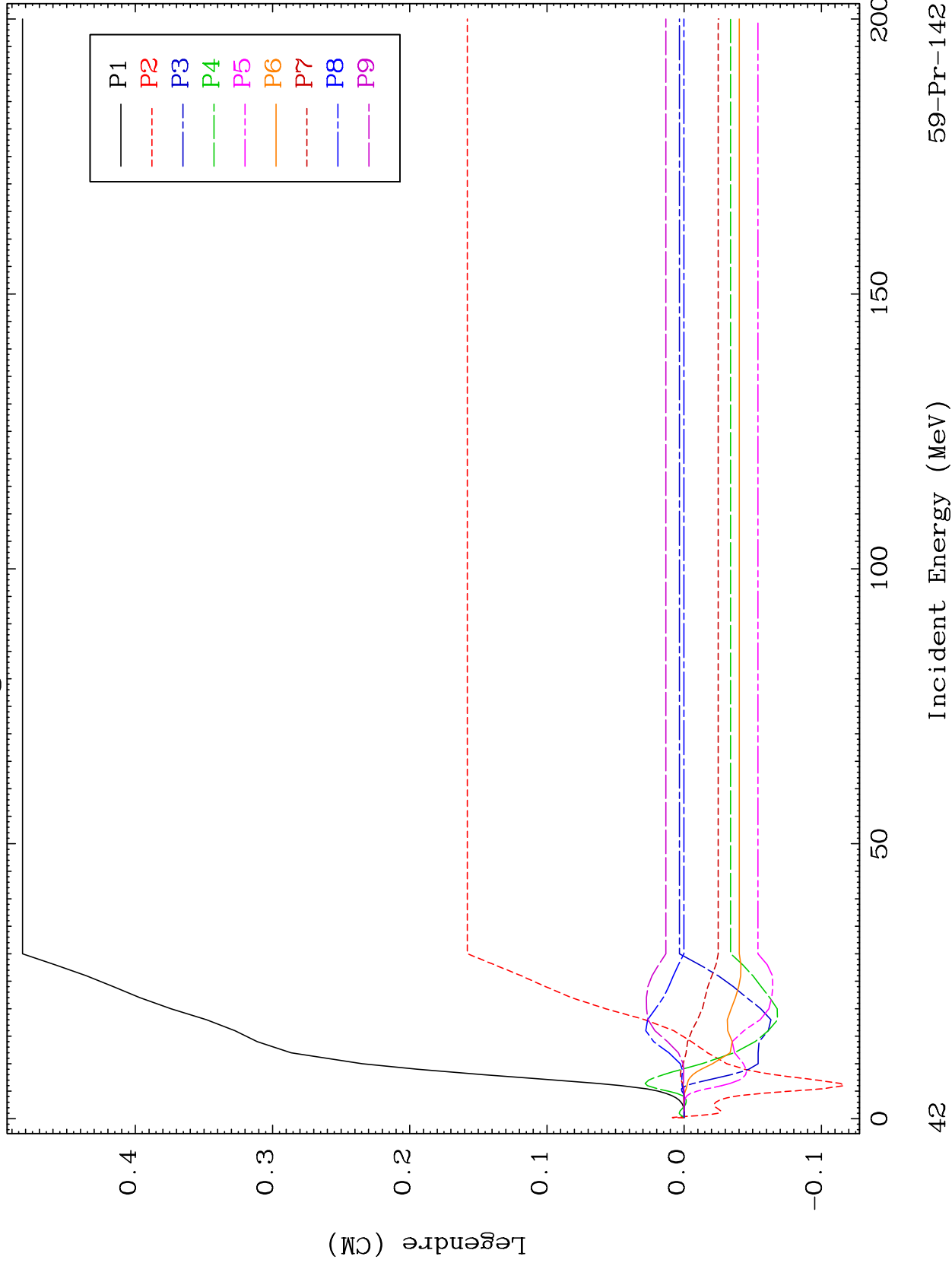
Incident Energy (MeV)

59-Pr-142

MAT 5928

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

59-Pr-142



59-Pr-142

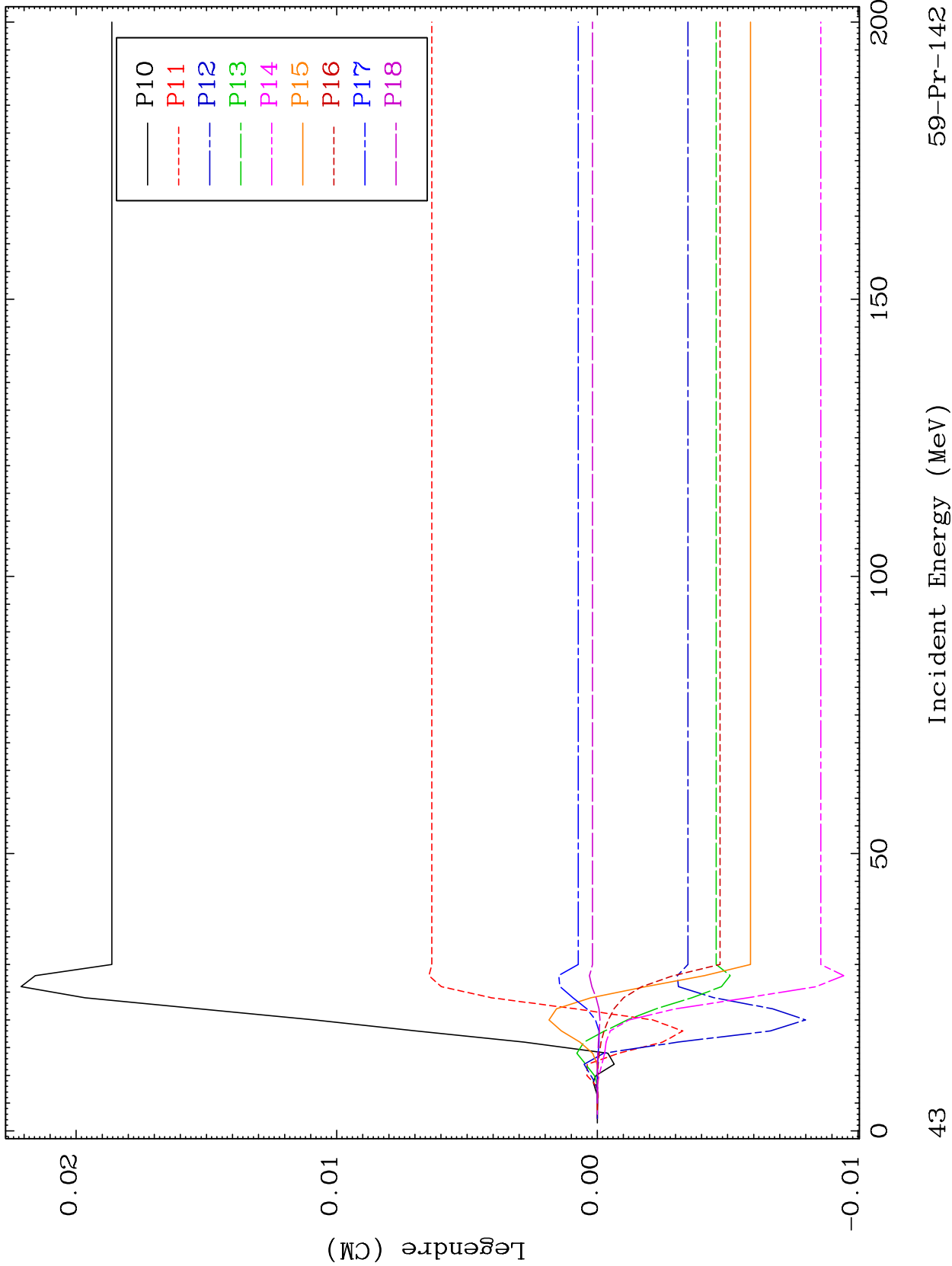
Incident Energy (MeV)

42

MAT 5928

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

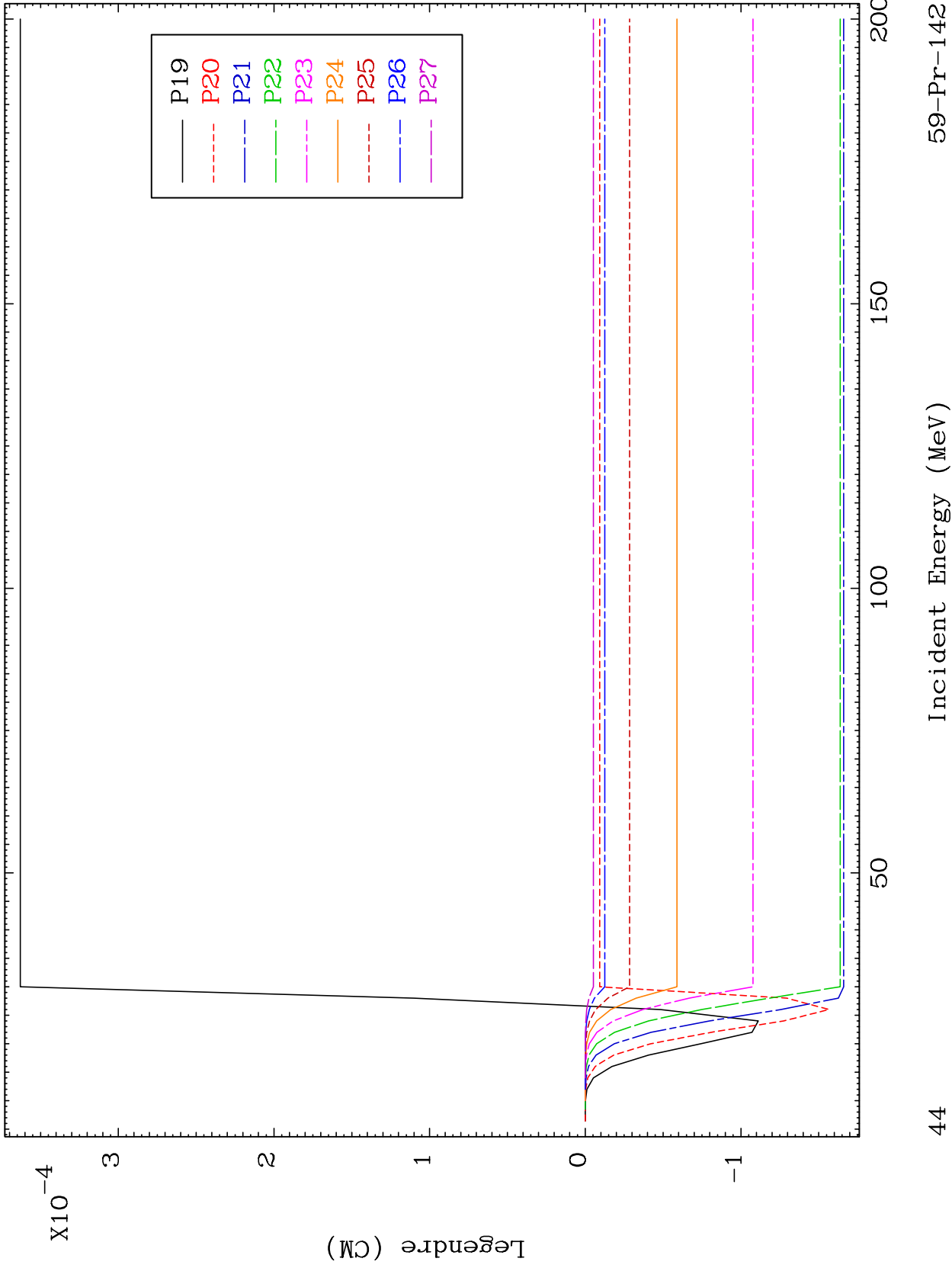
59-Pr-142



43

Incident Energy (MeV)

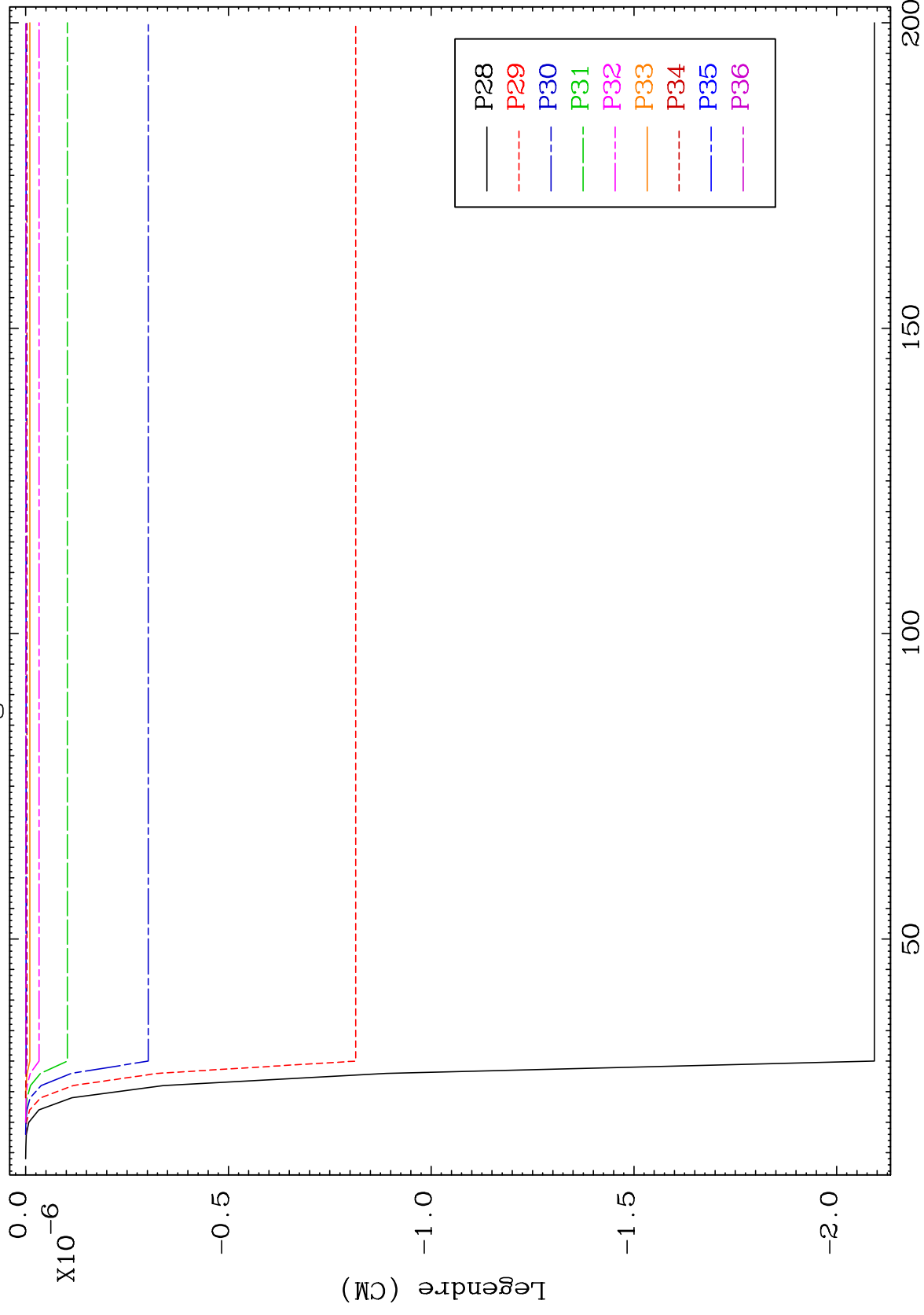
59-Pr-142



MAT 5928

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

59-Pr-142



45

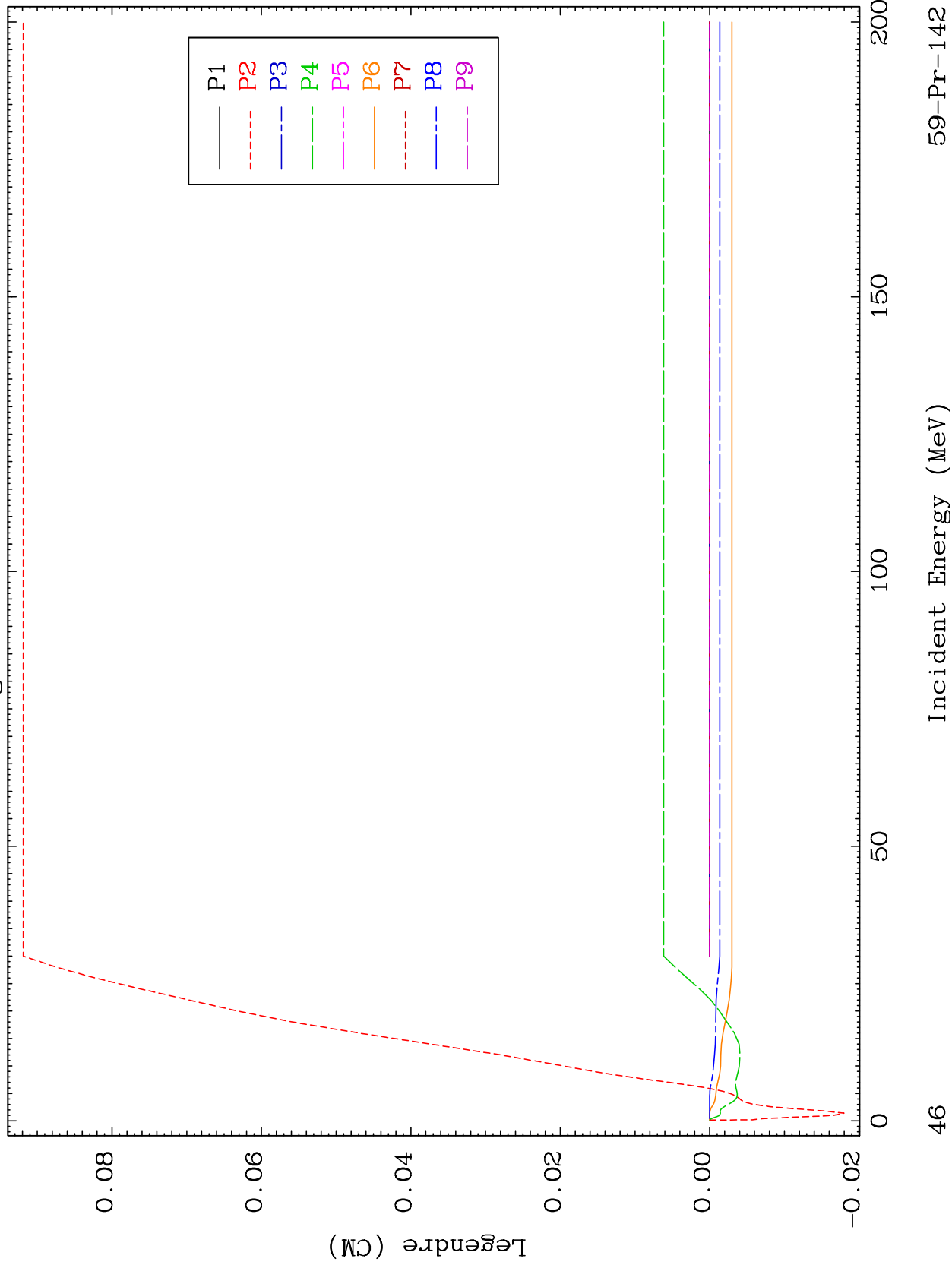
Incident Energy (MeV)

59-Pr-142

MAT 5928

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

59-Pr-142



59-Pr-142

Incident Energy (MeV)

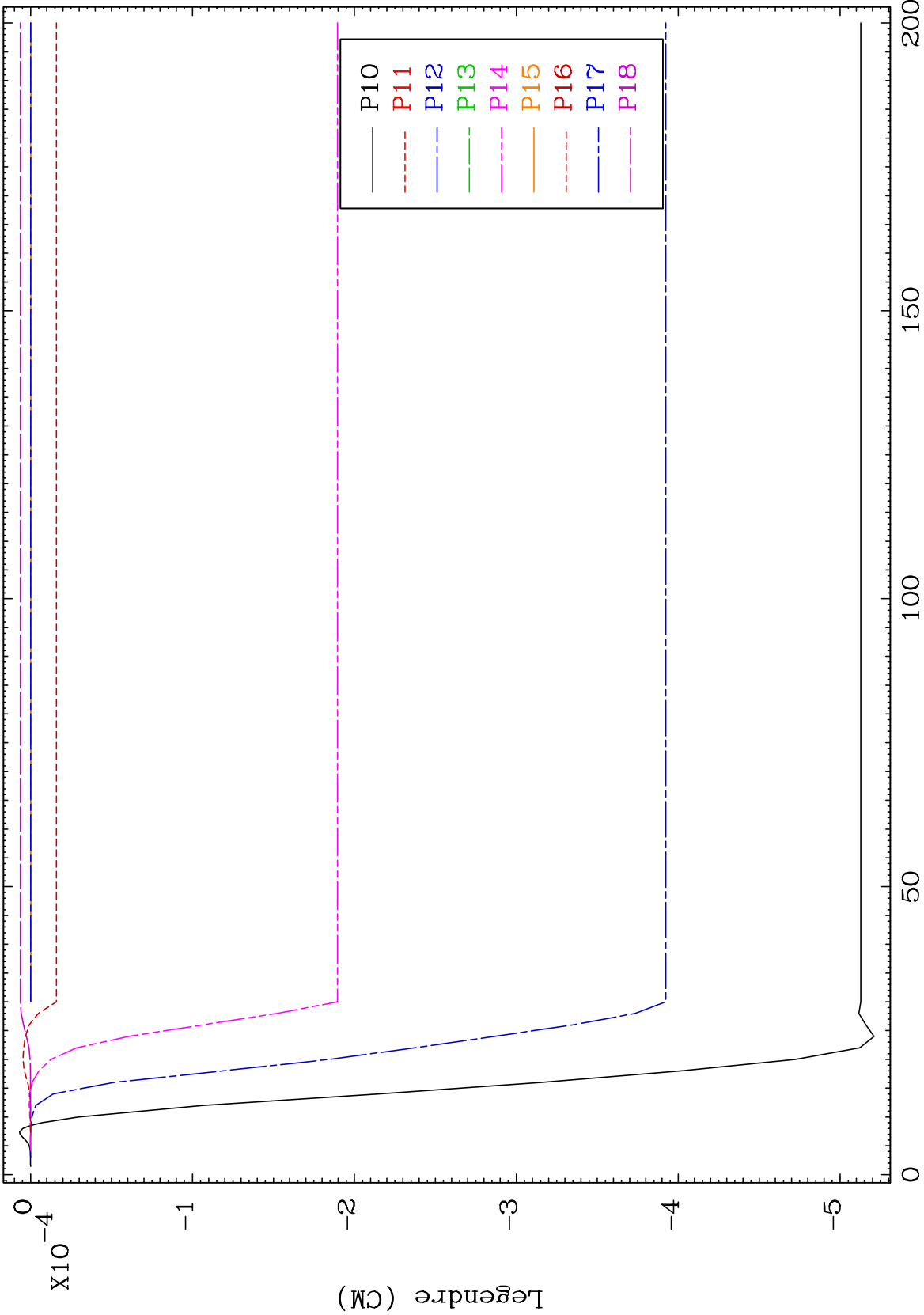
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MAT 5928

MT= 58 (n,n') Level

59-Pr-142

Legendre Coefficients



47

Incident Energy (MeV)

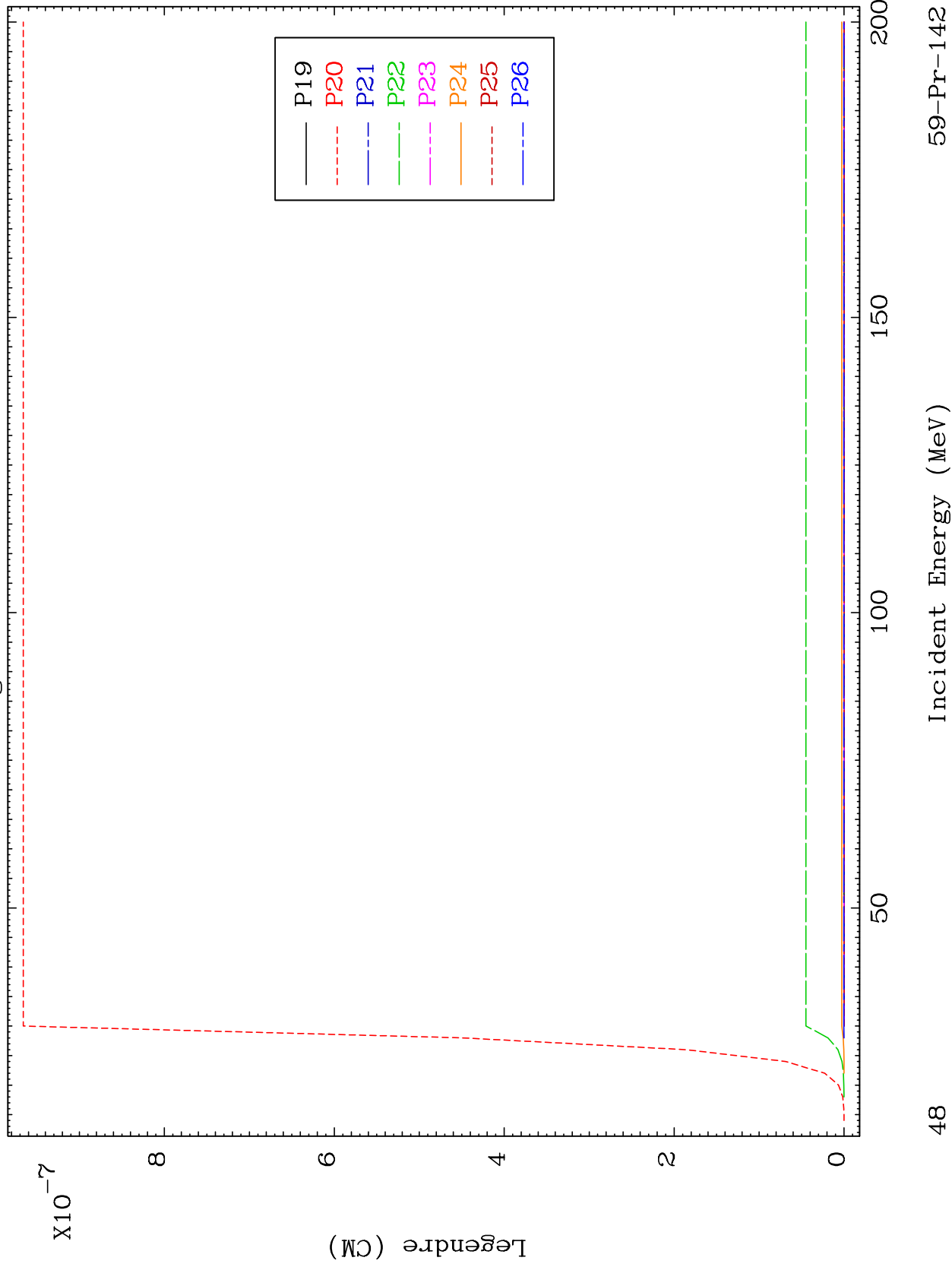
59-Pr-142



MAT 5928

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

59-Pr-142



59-Pr-142

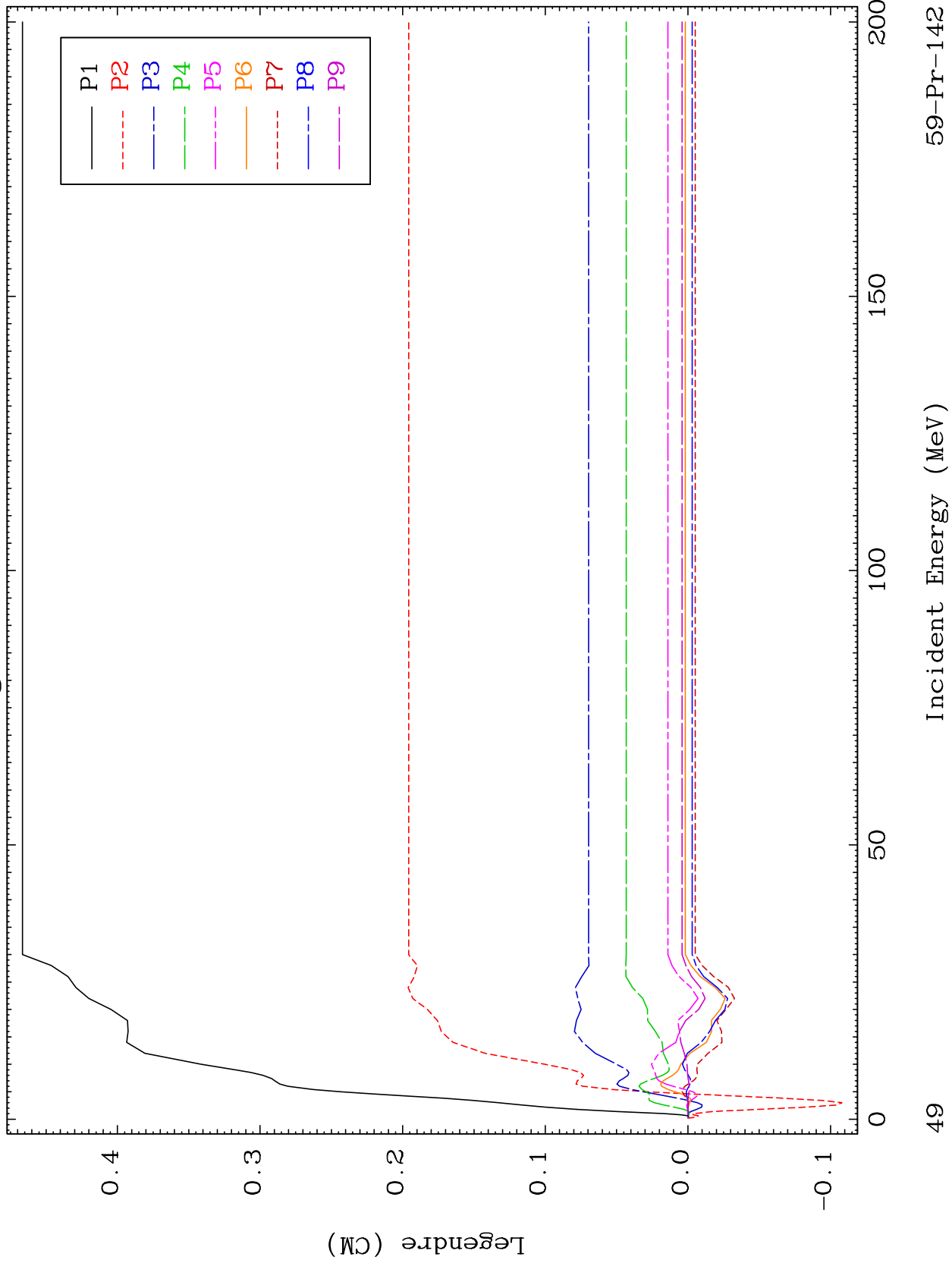
Incident Energy (MeV)

48

MAT 5928

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

59-Pr-142

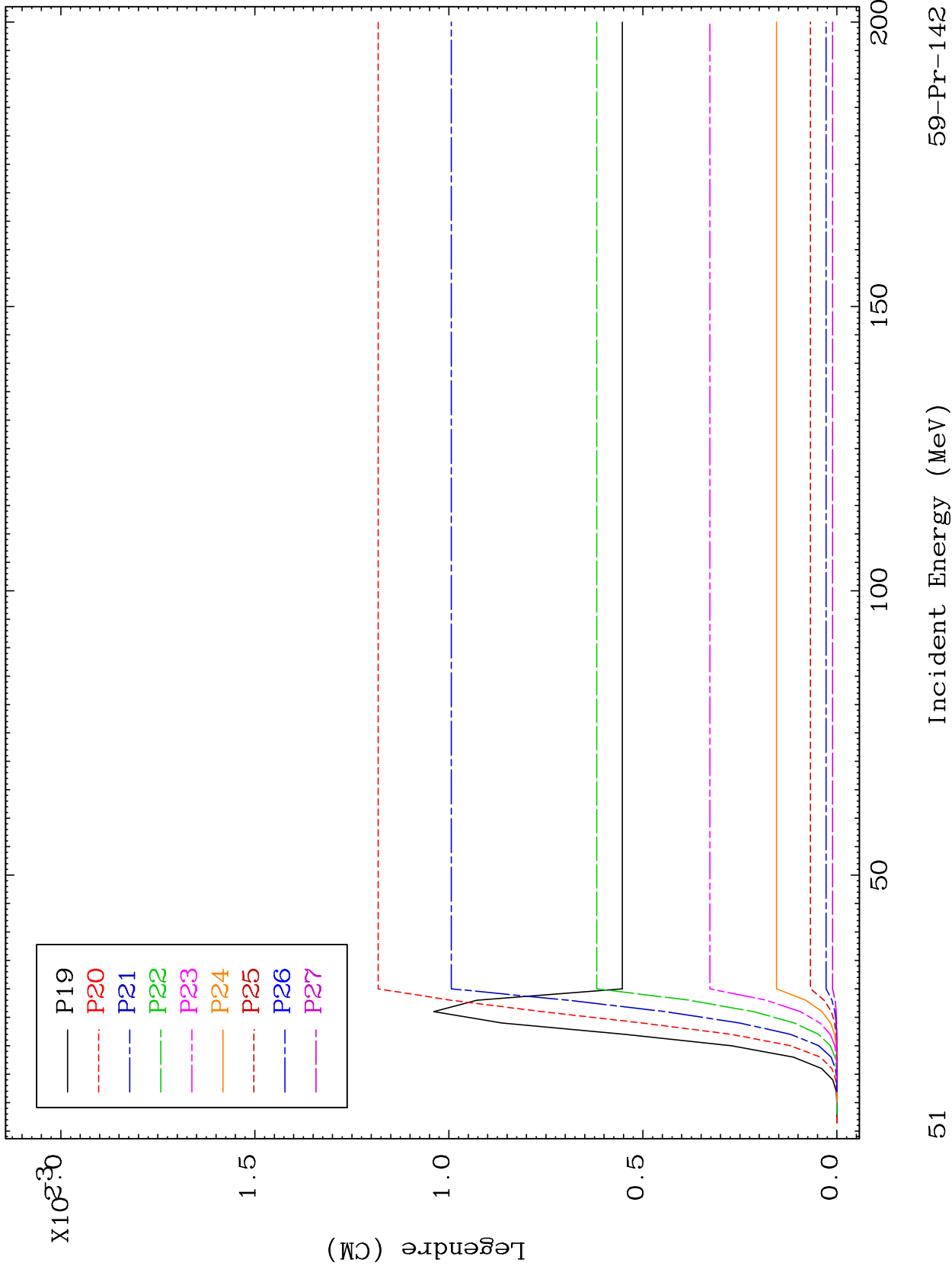


59-Pr-142

Incident Energy (MeV)

49

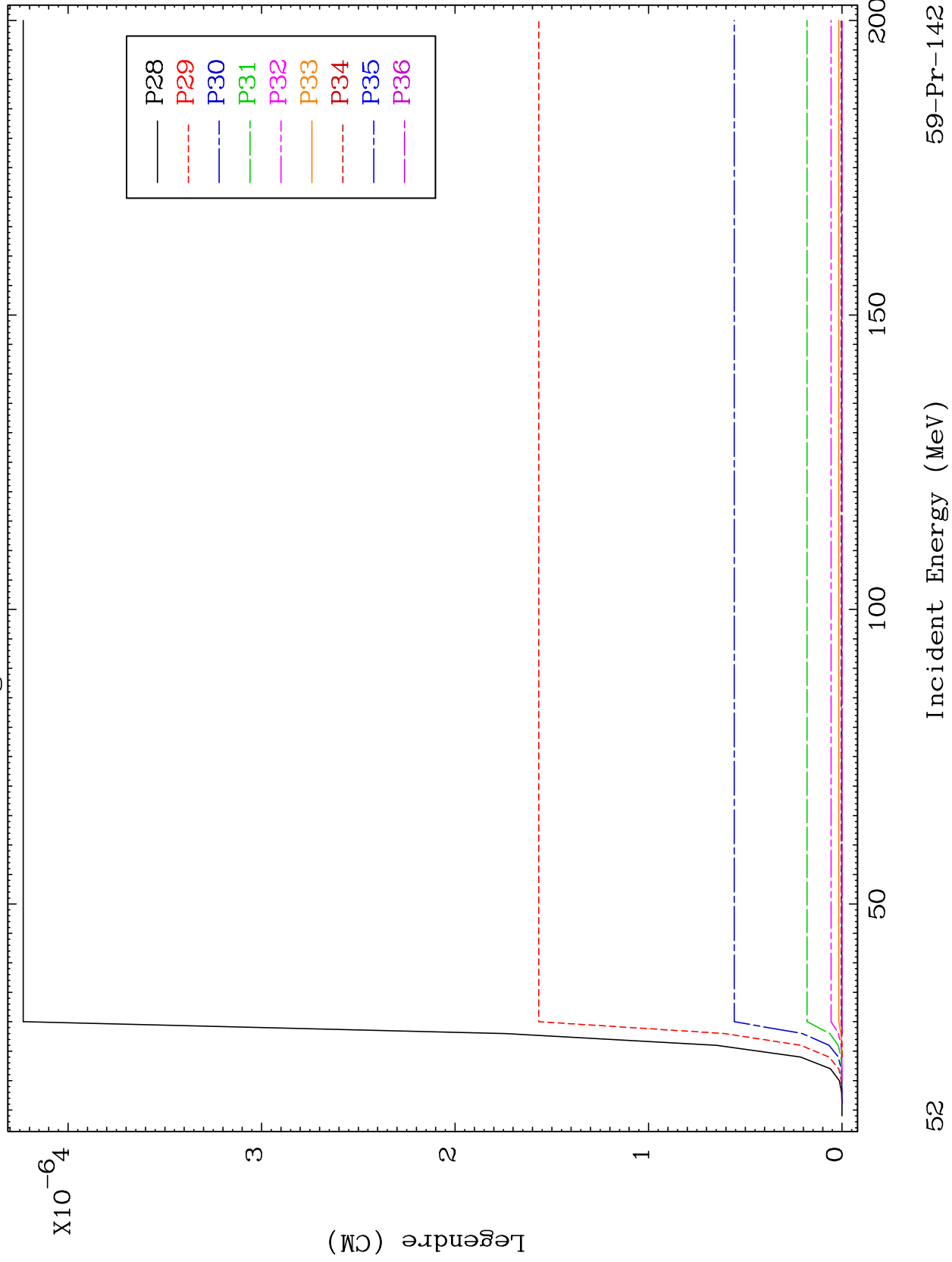




MAT 5928

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

59-Pr-142



52

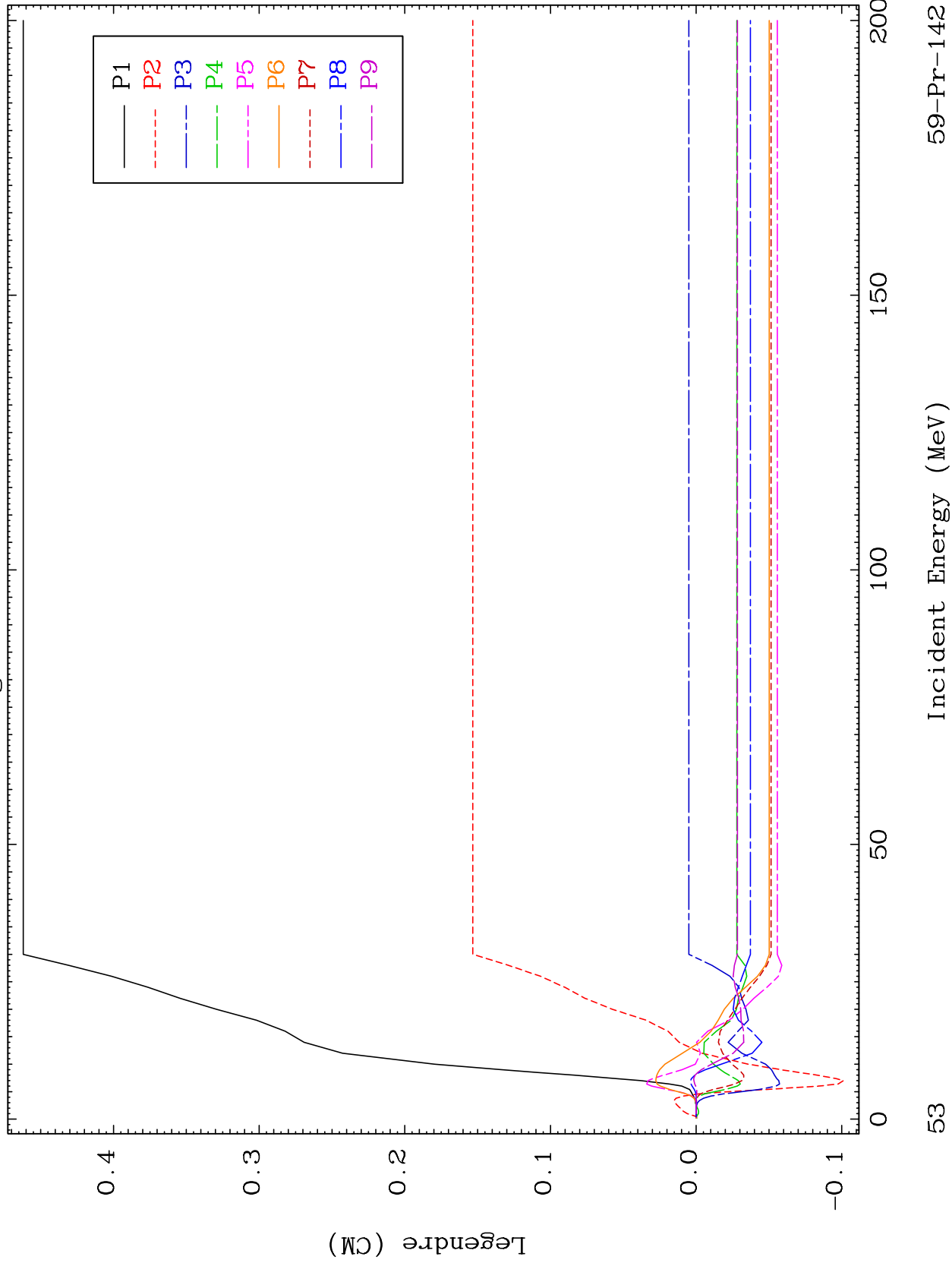
Incident Energy (MeV)

59-Pr-142

MAT 5928

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

59-Pr-142



59-Pr-142

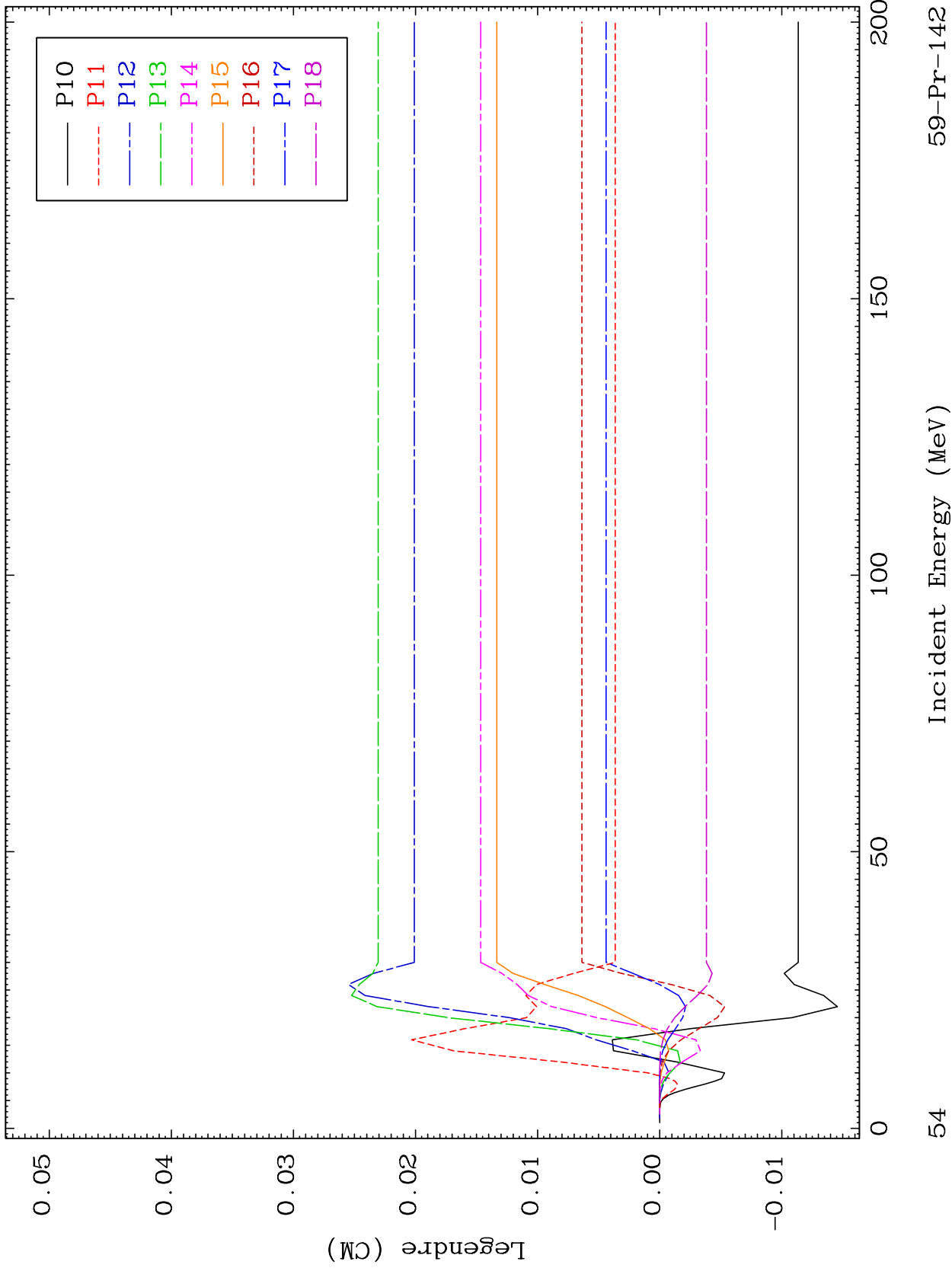
Incident Energy (MeV)

53

MAT 5928

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

59-Pr-142



54

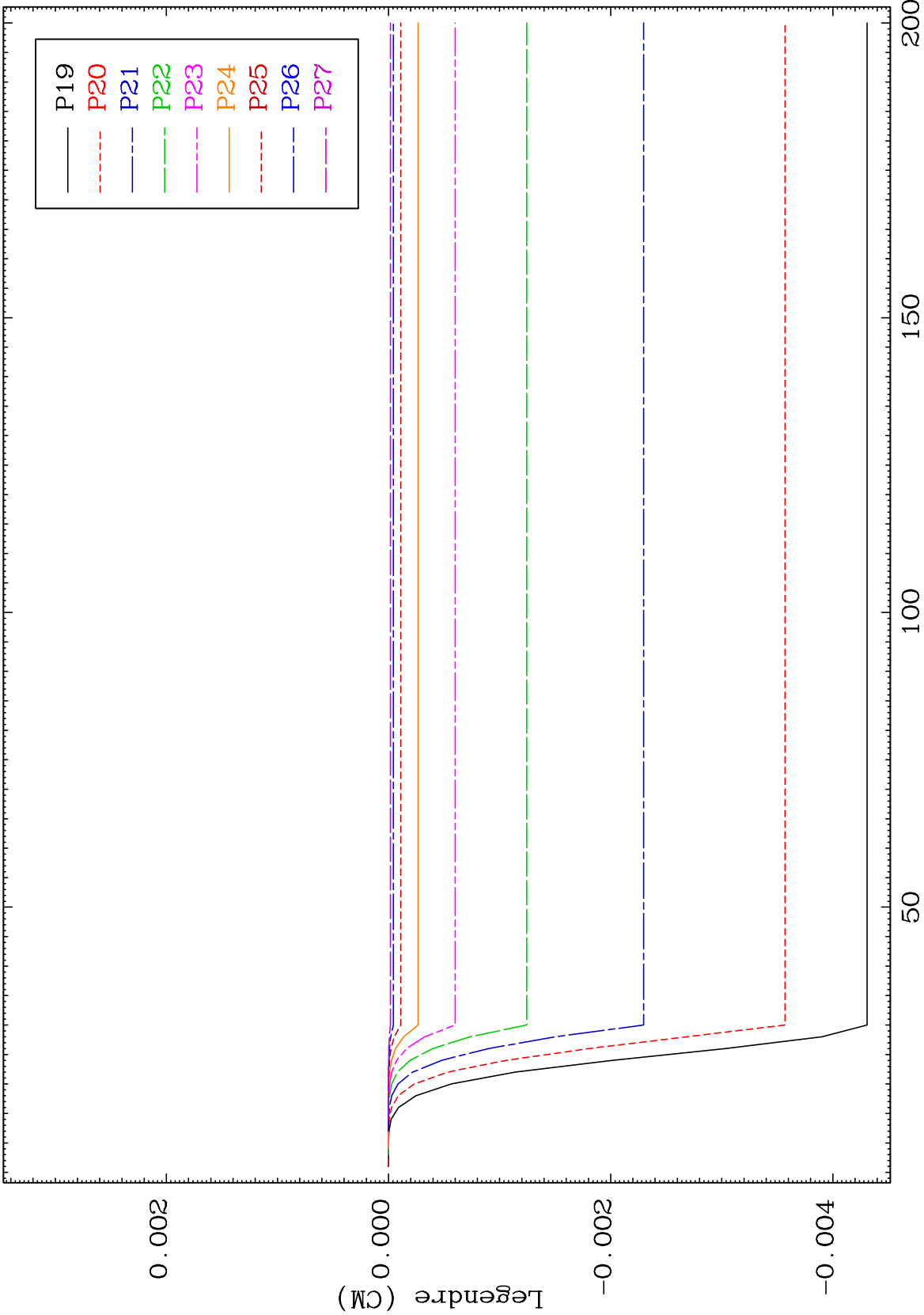
Incident Energy (MeV)

59-Pr-142

MAT 5928

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

59-Pr-142



55

Incident Energy (MeV)

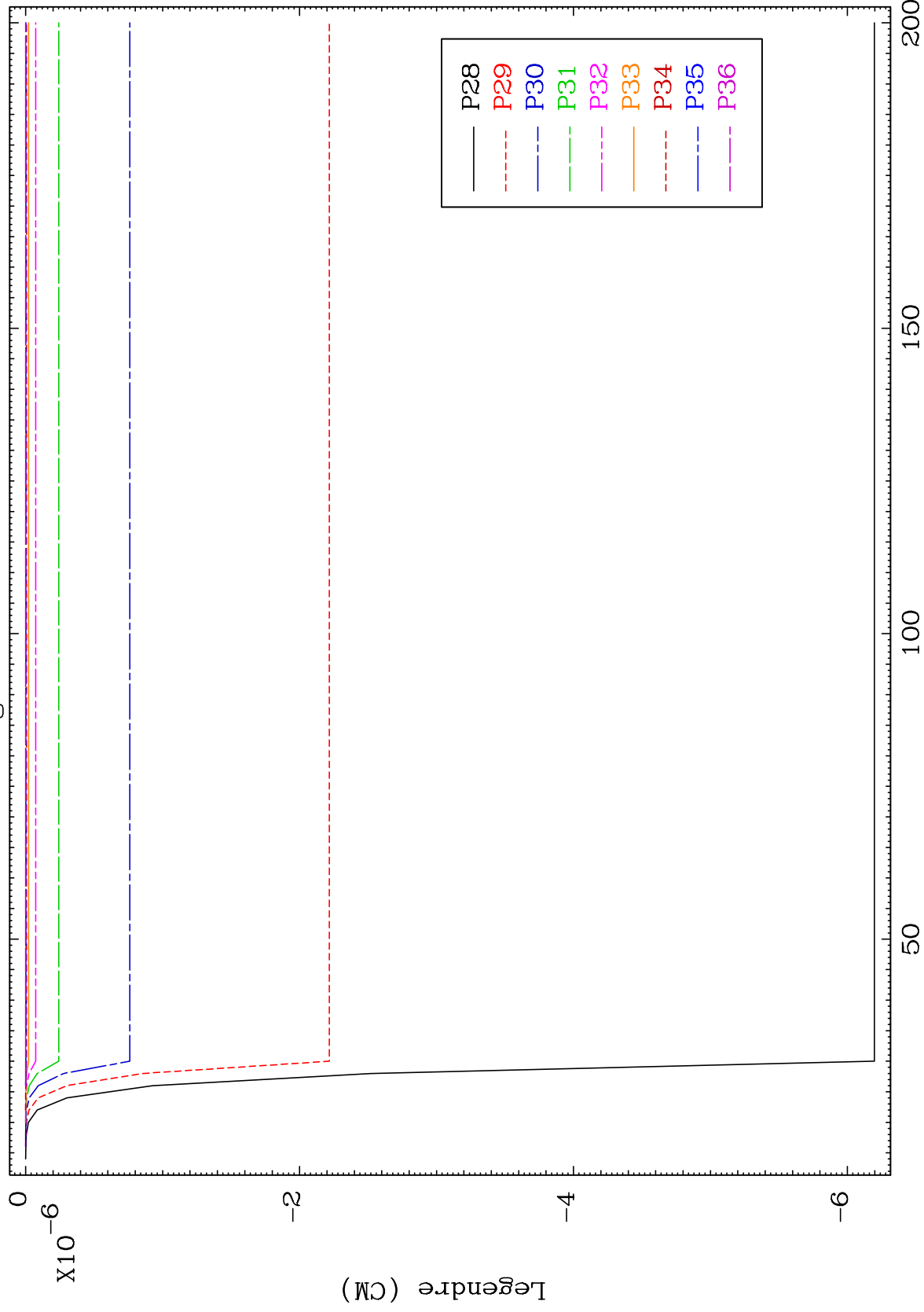
59-Pr-142



MAT 5928

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

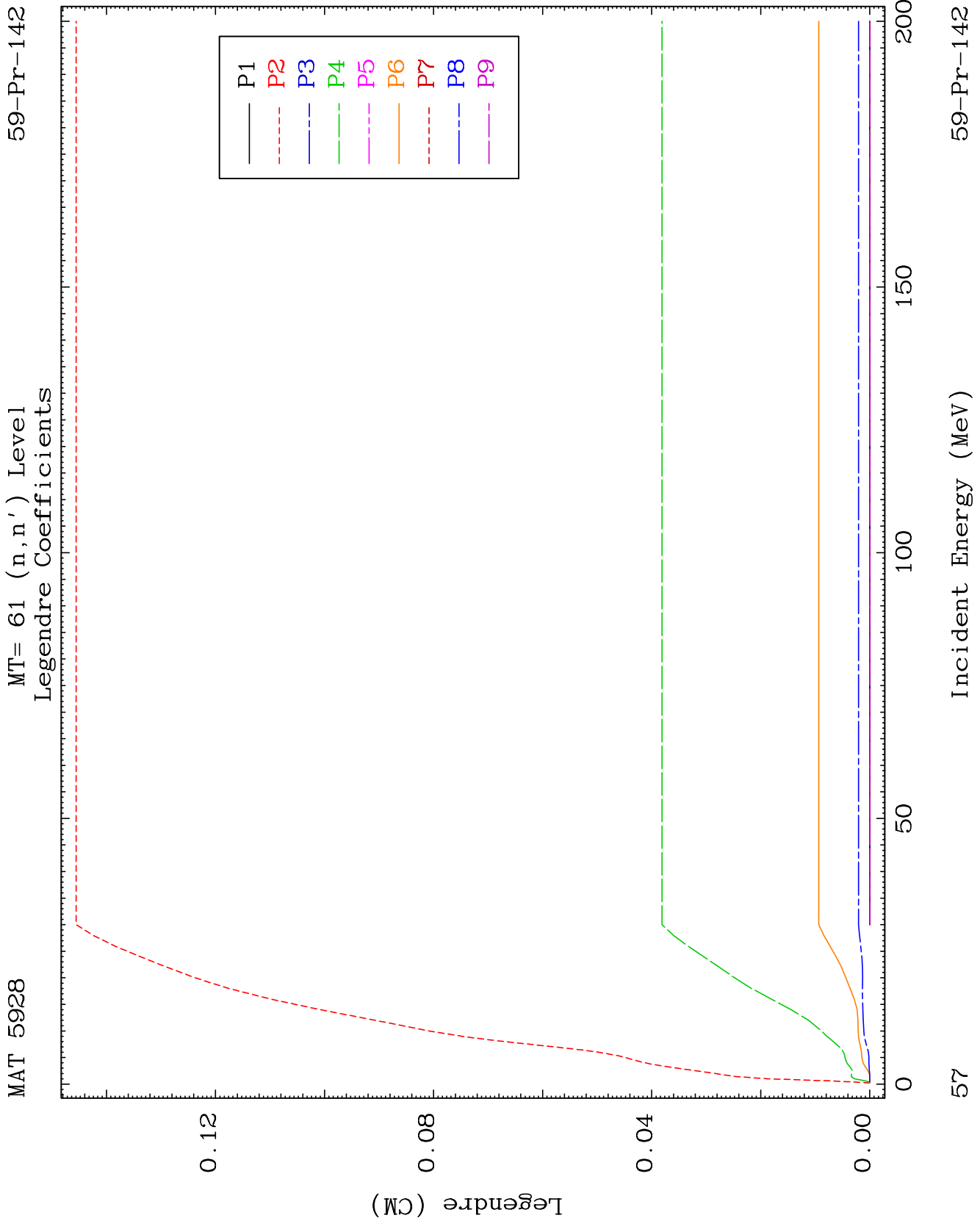
59-Pr-142



56

Incident Energy (MeV)

59-Pr-142



59-Pr-142

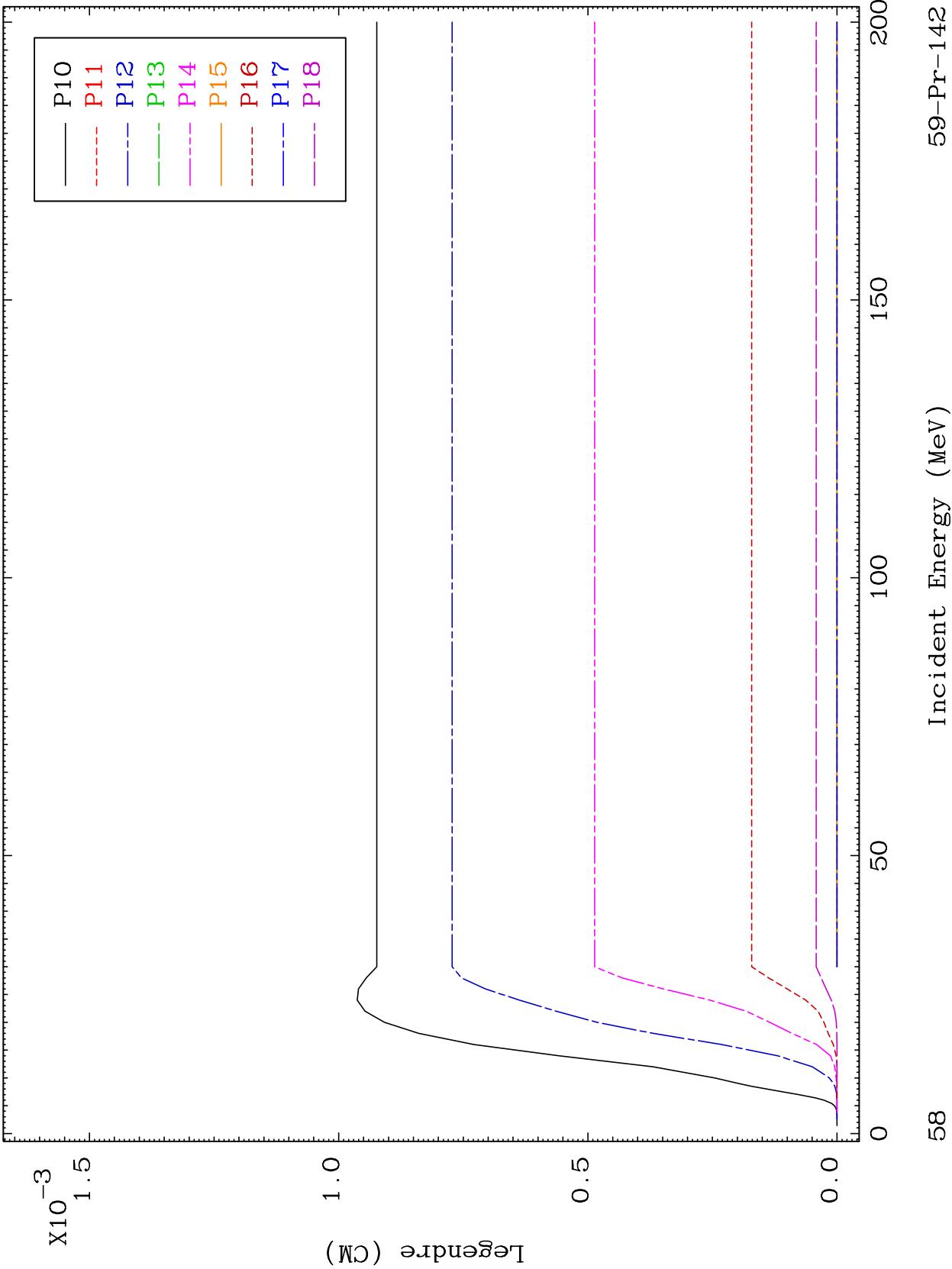
Incident Energy (MeV)

57

MAT 5928

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

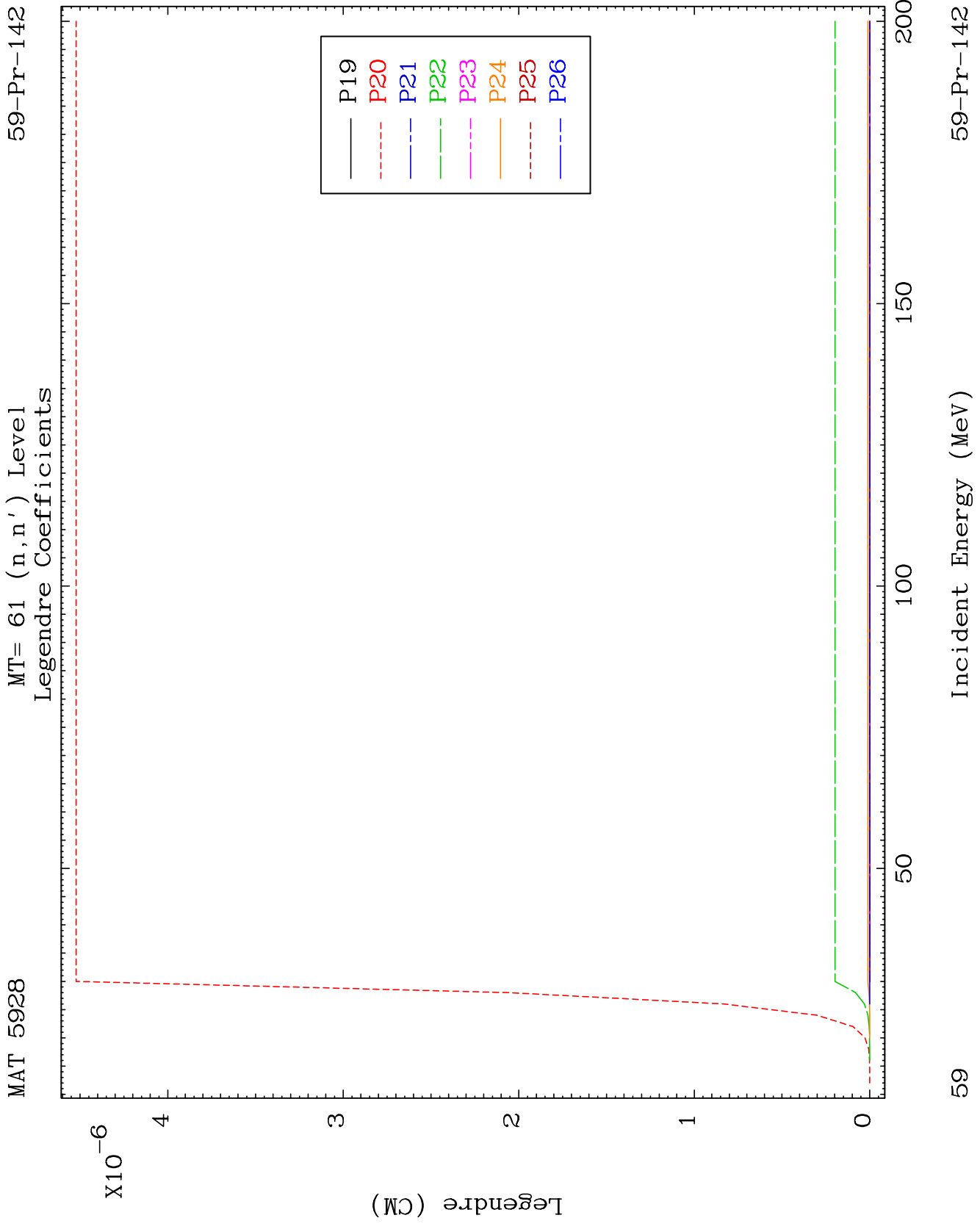
59-Pr-142



58

Incident Energy (MeV)

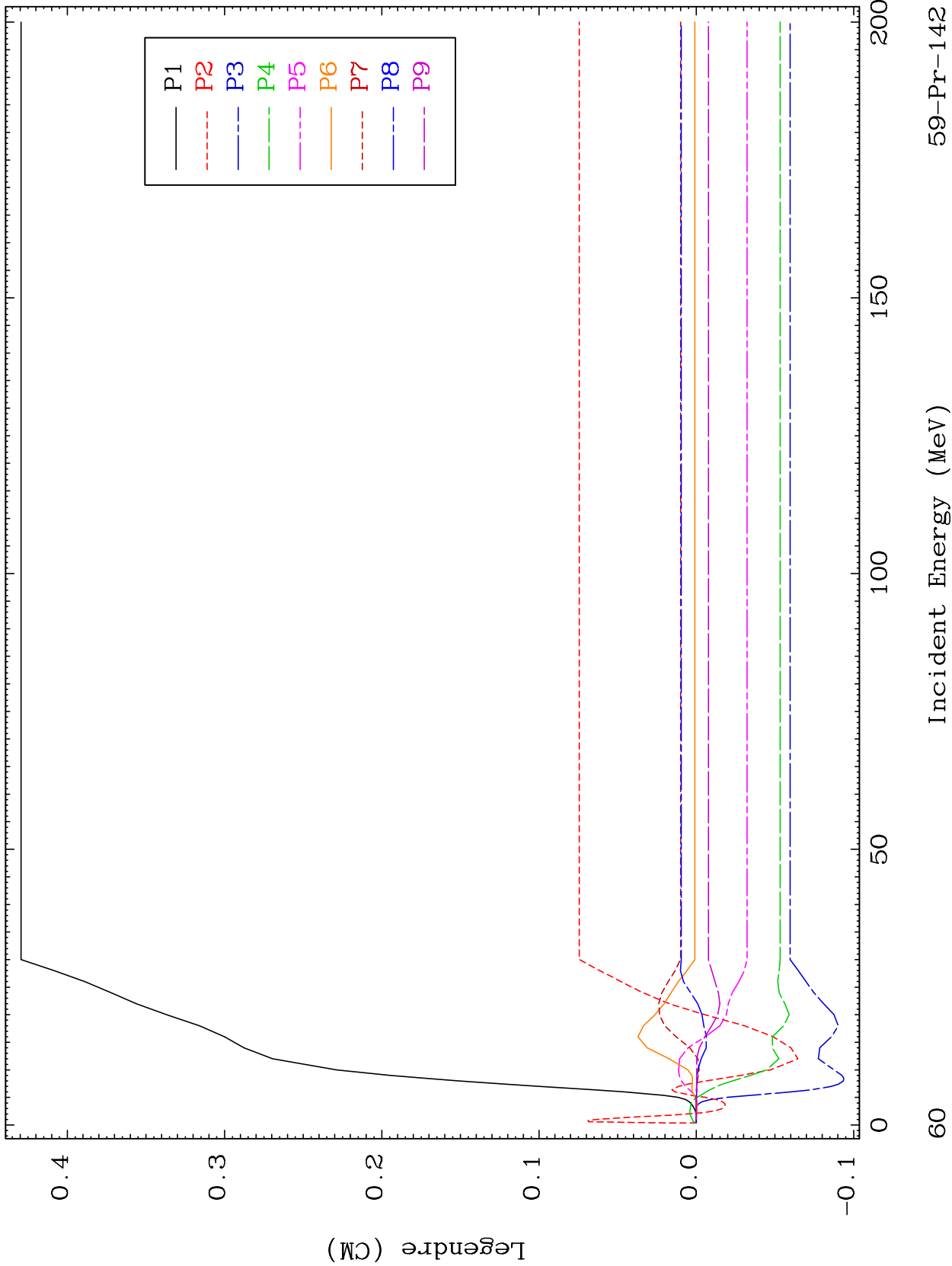
59-Pr-142



MAT 5928

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

59-Pr-142



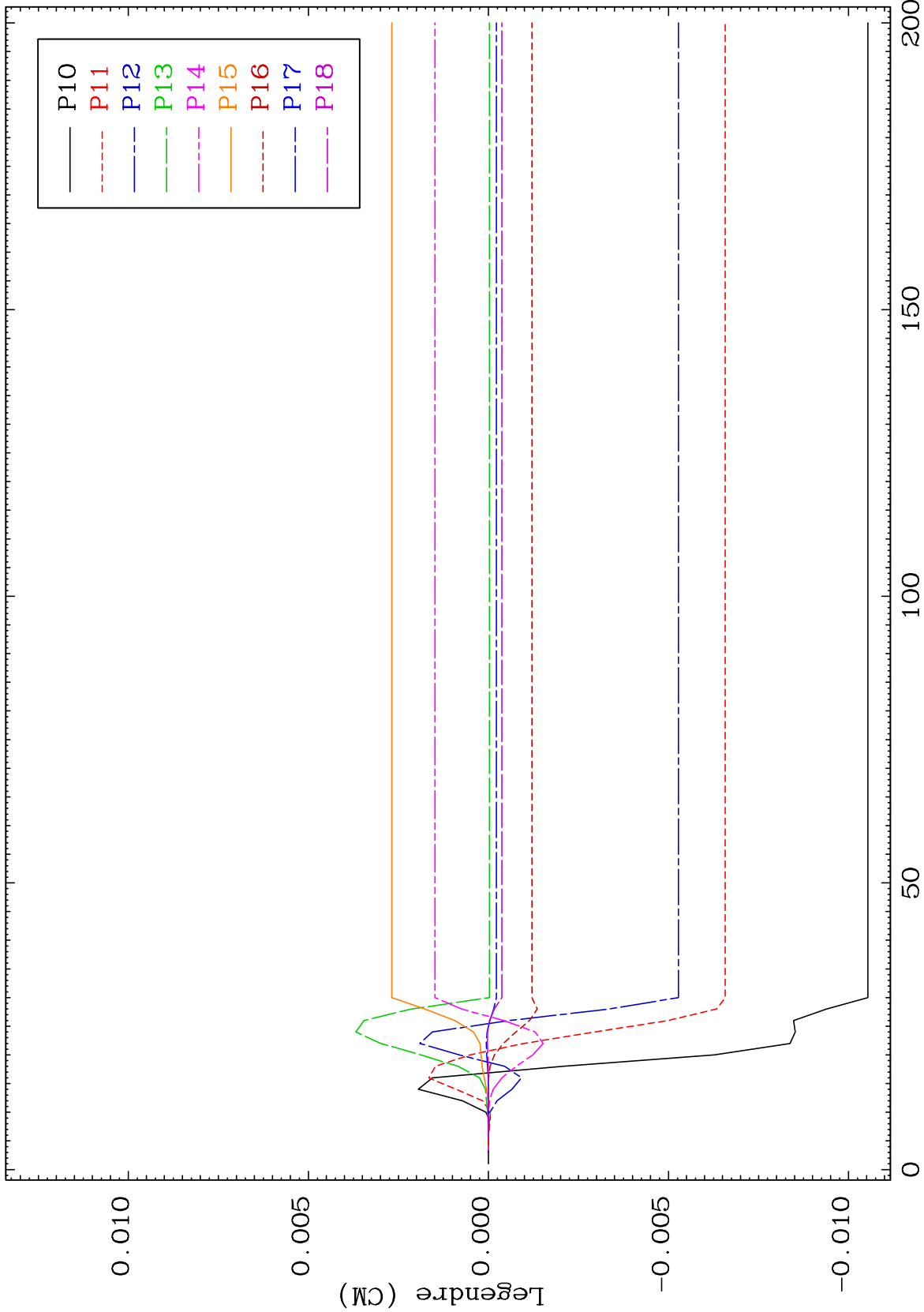
59-Pr-142

Incident Energy (MeV)

MAT 5928

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

59-Pr-142



61

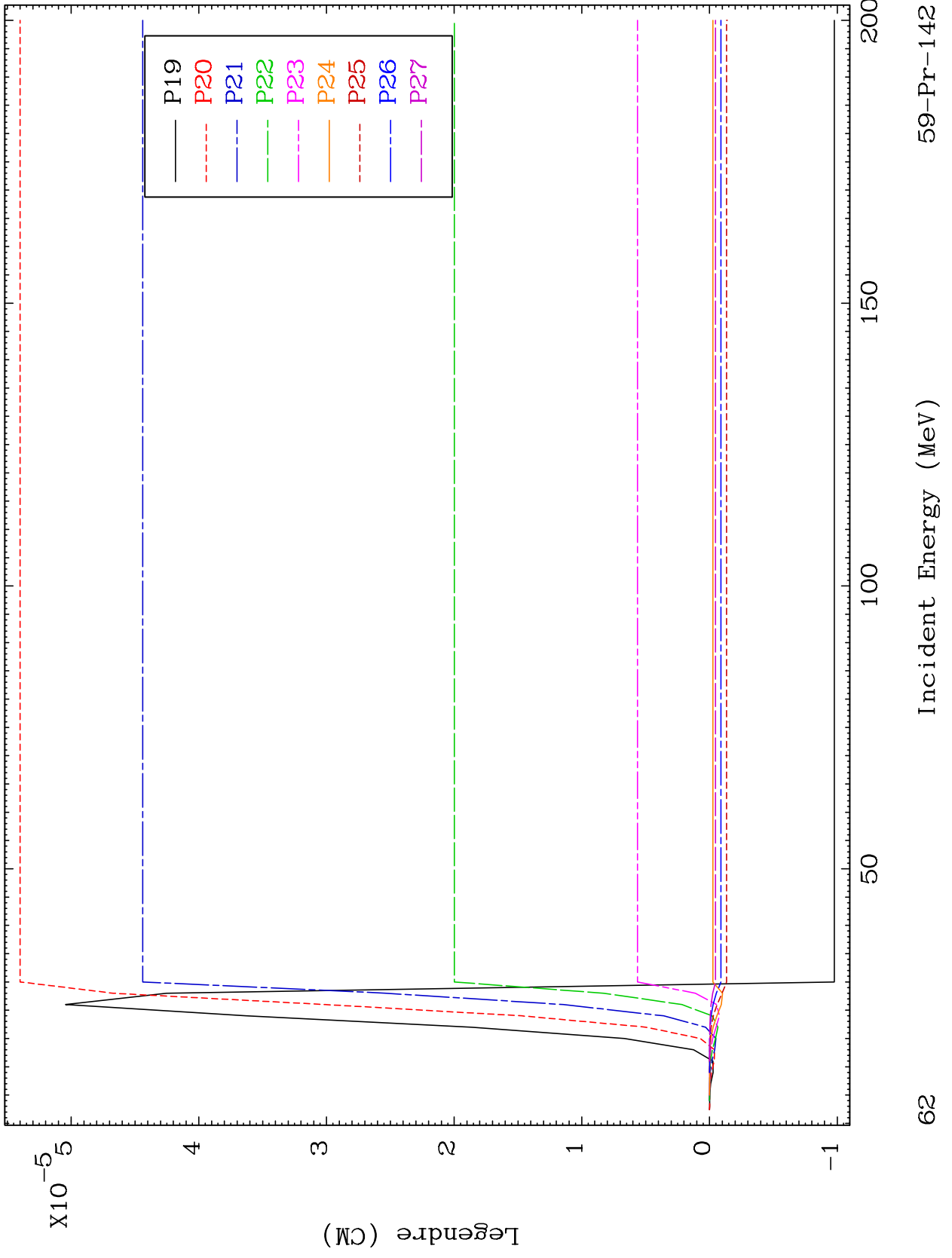
Incident Energy (MeV)

59-Pr-142

MAT 5928

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

59-Pr-142



62

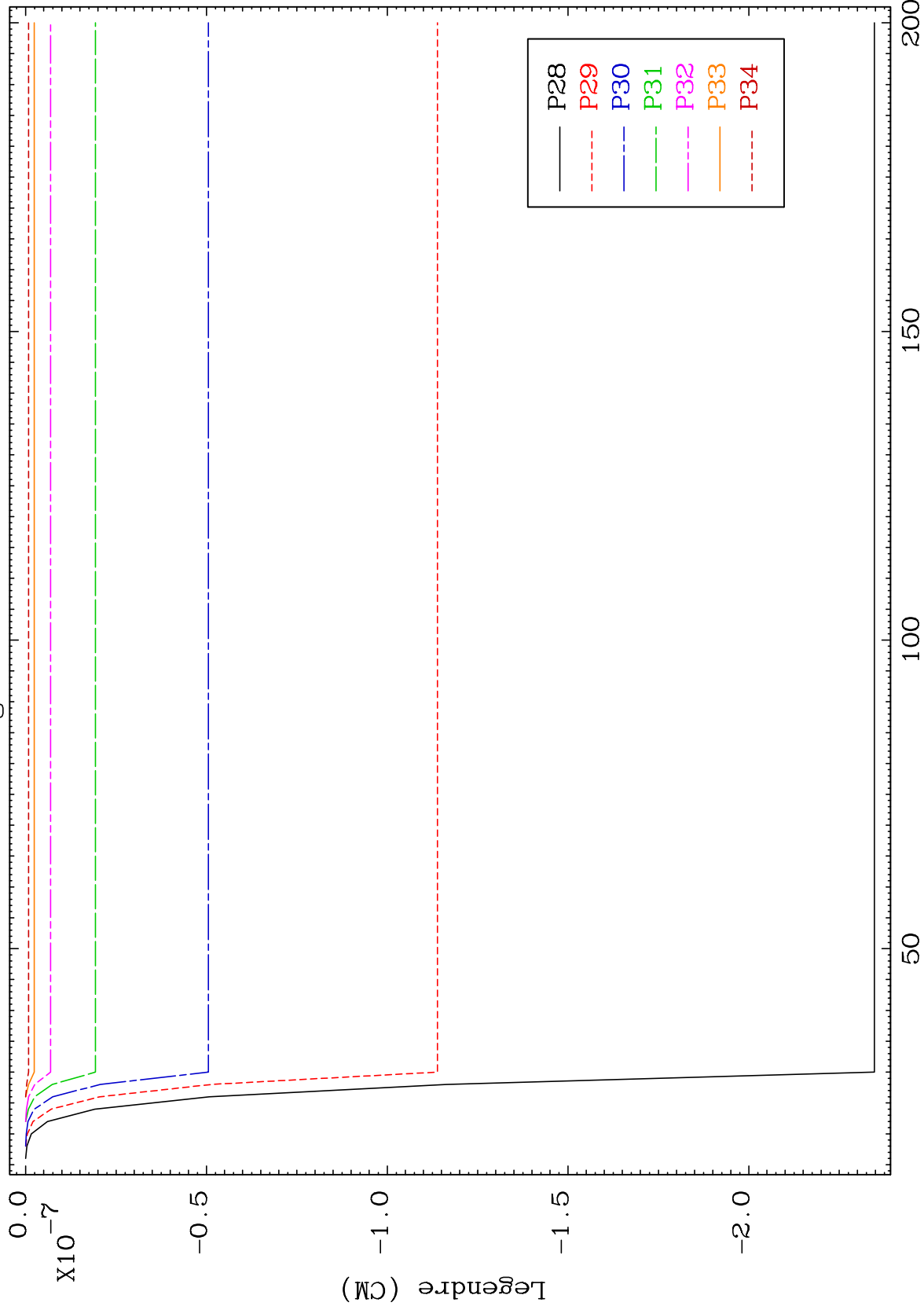
59-Pr-142

MAT 5928

MT= 62 (n,n') Level

59-Pr-142

Legendre Coefficients

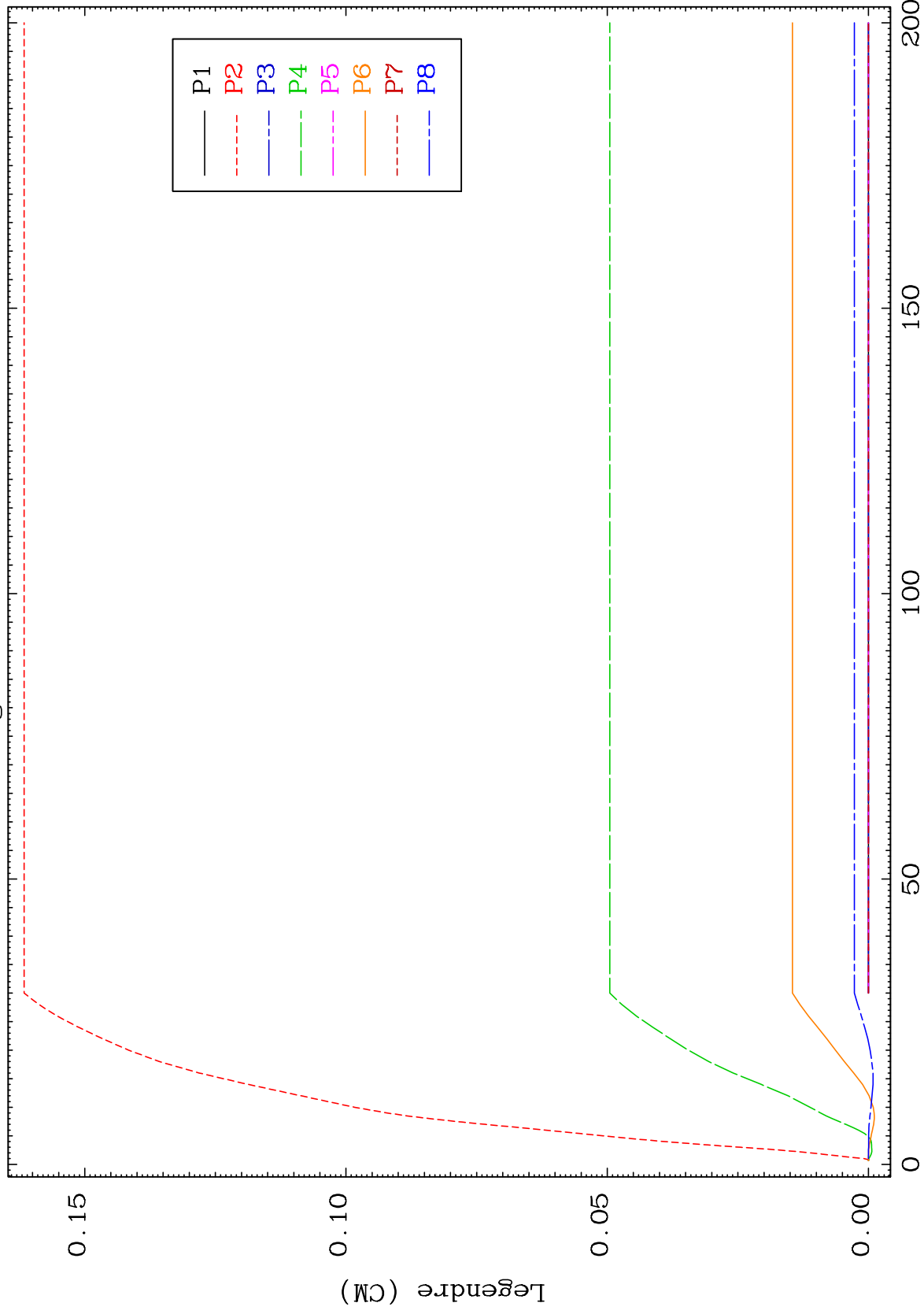




MAT 5928

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

59-Pr-142



64

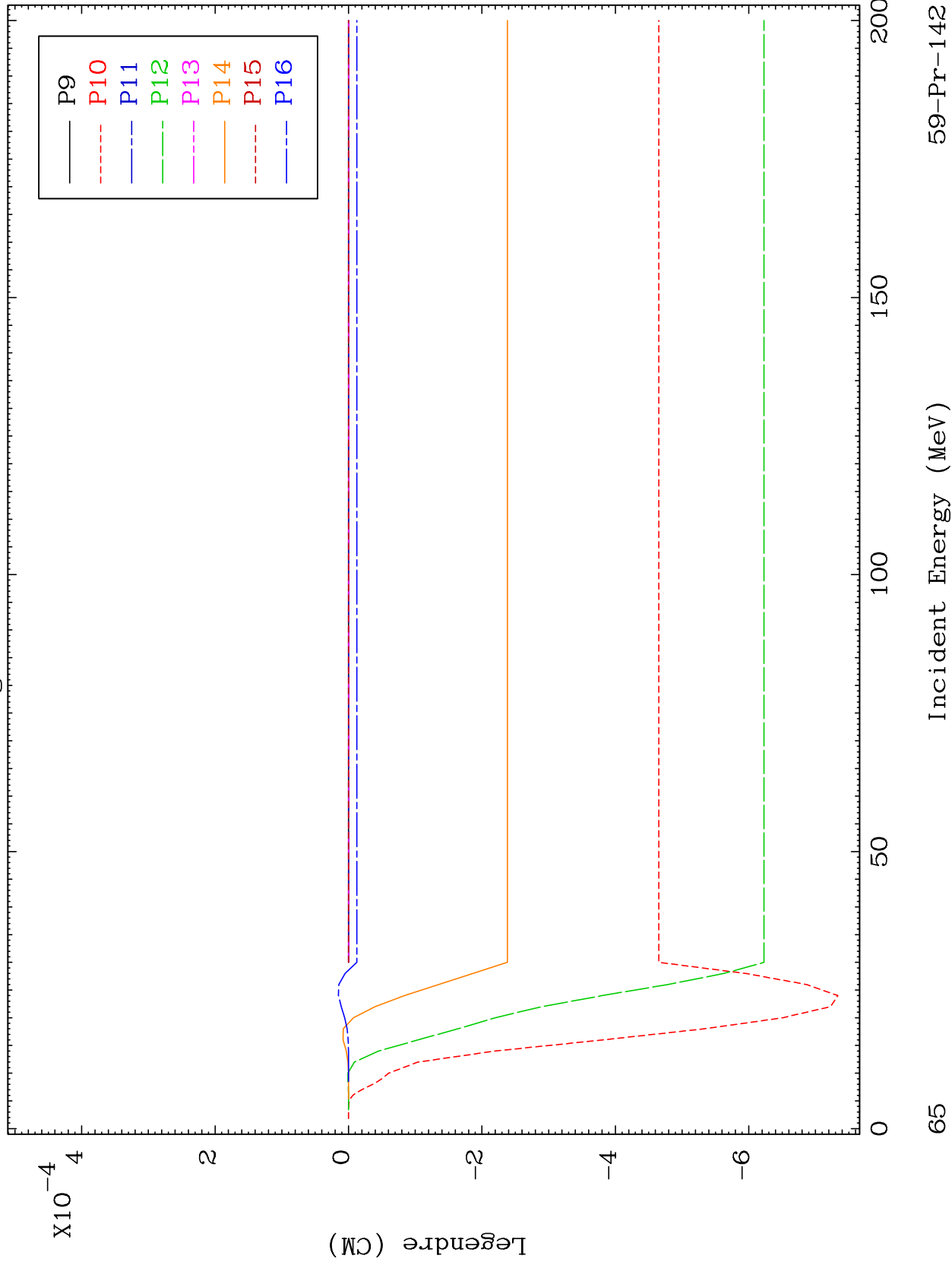
Incident Energy (MeV)

59-Pr-142

MAT 5928

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

59-Pr-142



59-Pr-142

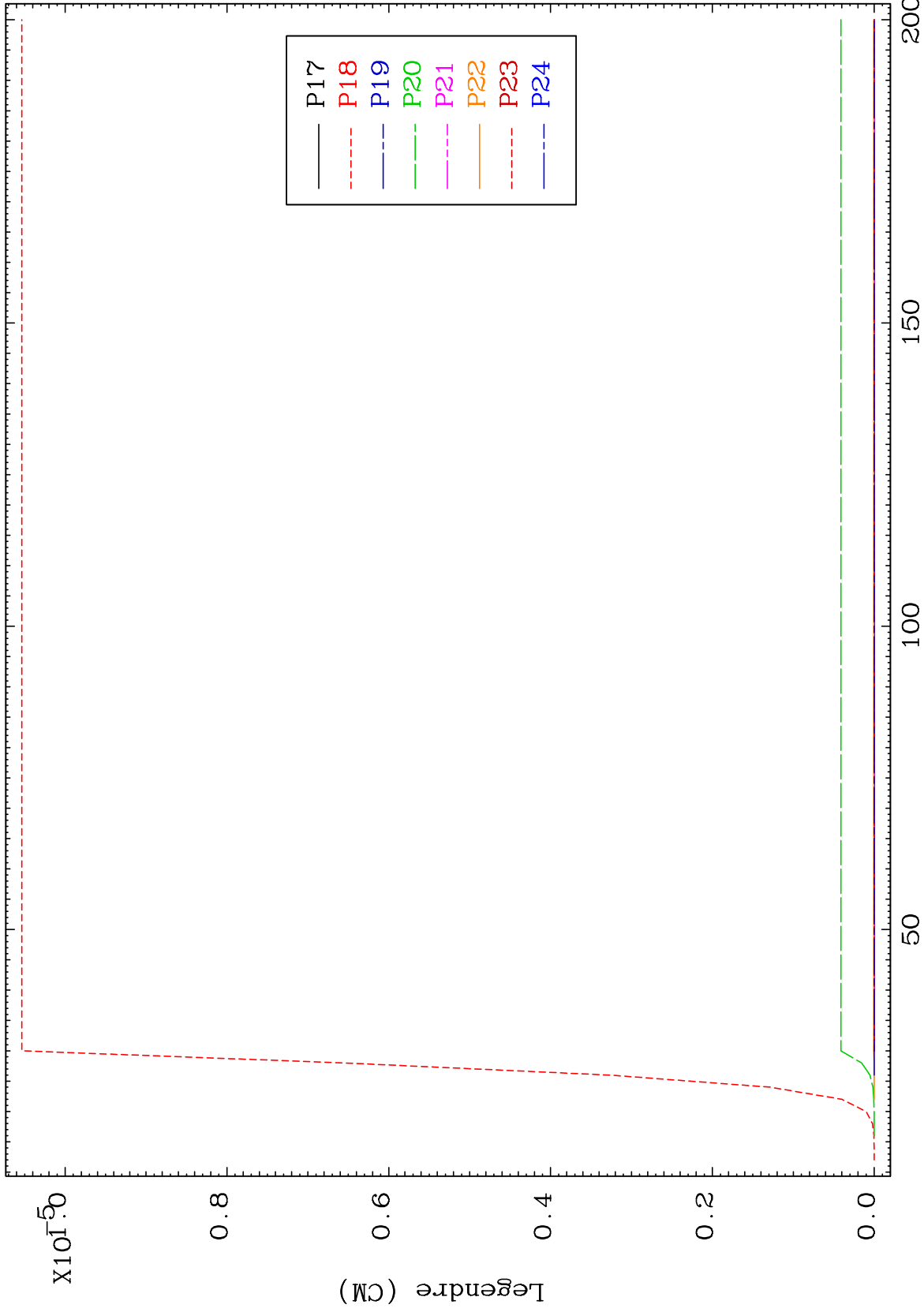
Incident Energy (MeV)

65

MAT 5928

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

59-Pr-142



66

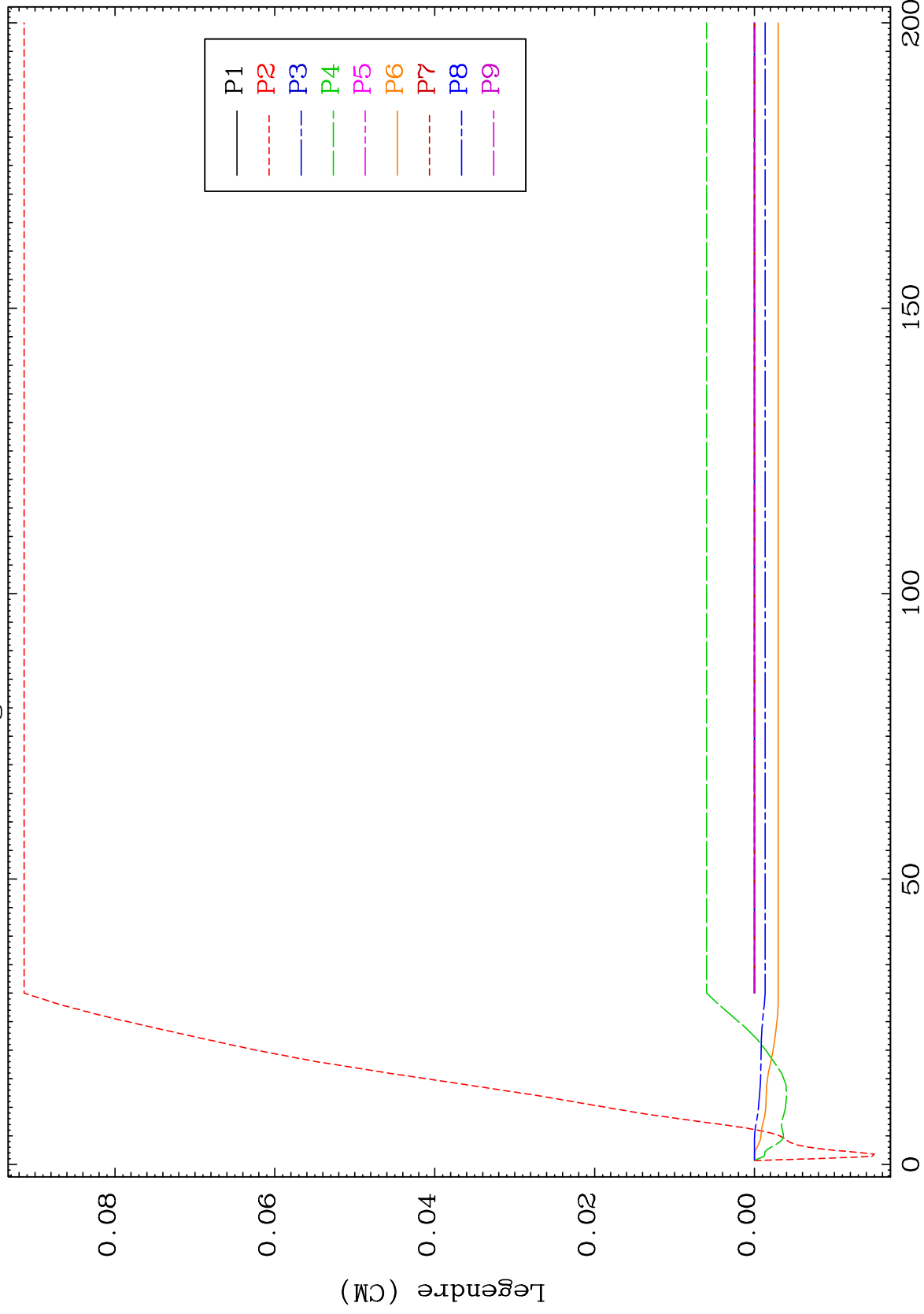
Incident Energy (MeV)

59-Pr-142

MAT 5928

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

59-Pr-142



59-Pr-142

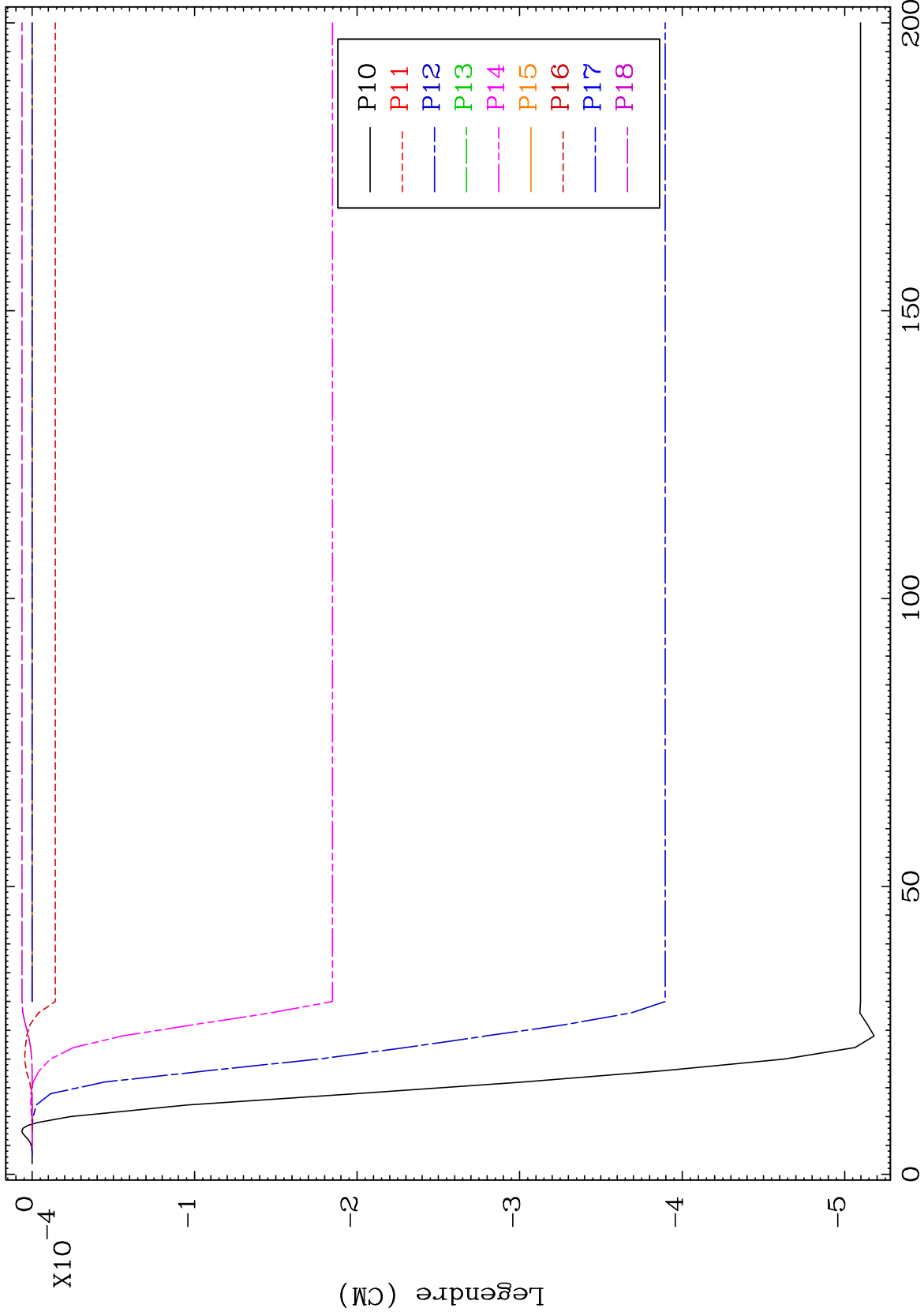
Incident Energy (MeV)

67

MAT 5928

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

59-Pr-142



68

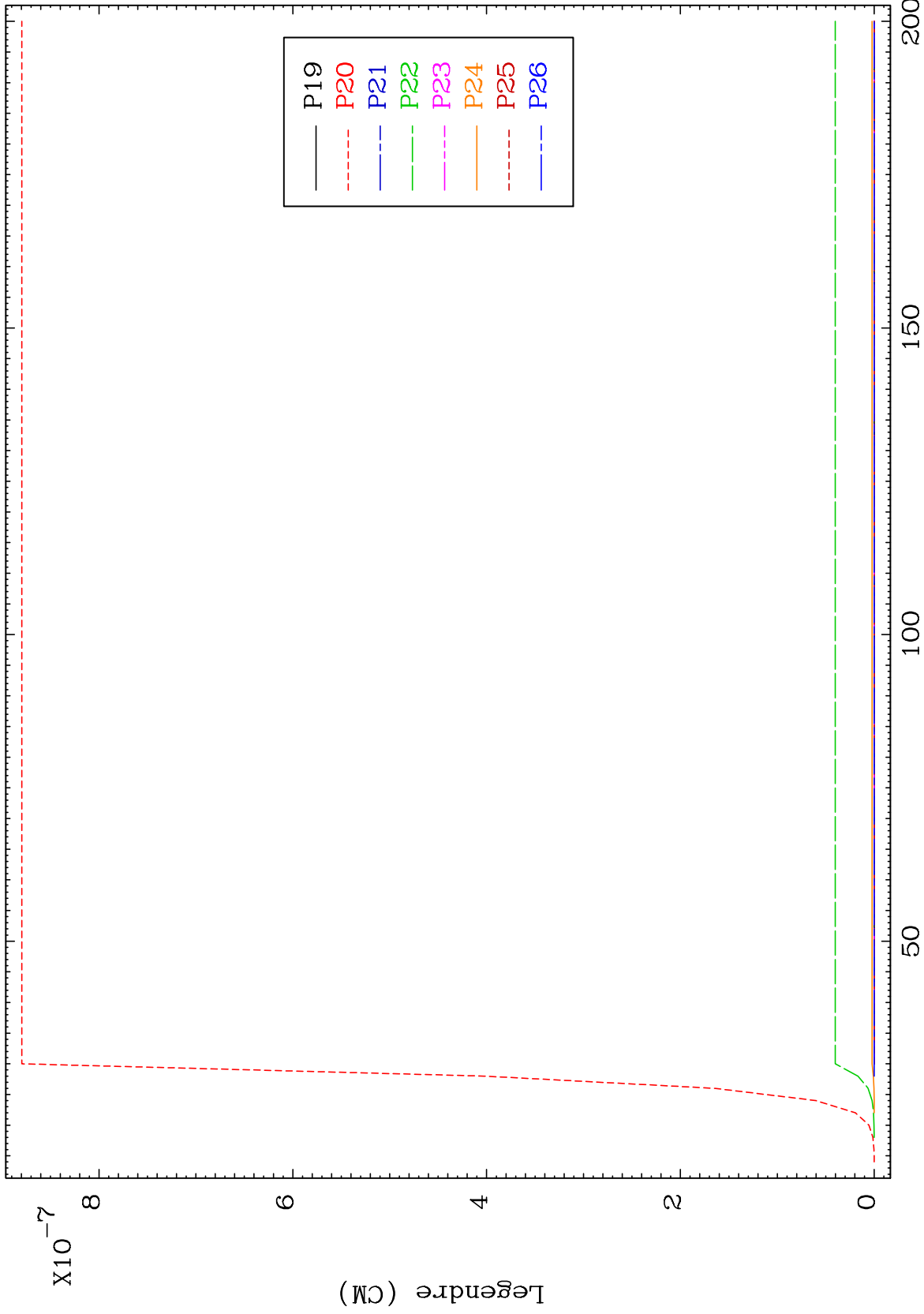
Incident Energy (MeV)

59-Pr-142

MAT 5928

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

59-Pr-142



69

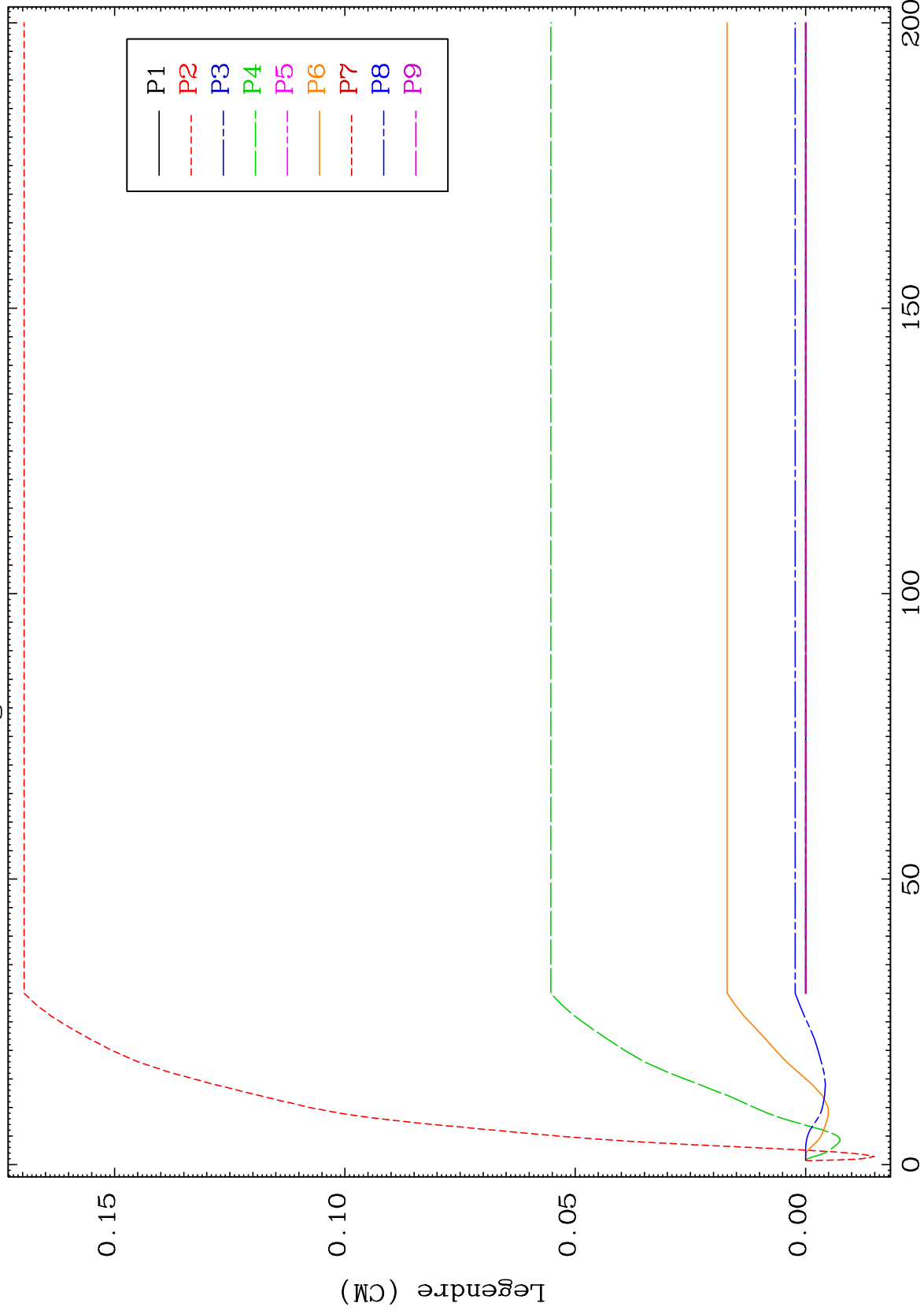
Incident Energy (MeV)

59-Pr-142

MAT 5928

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

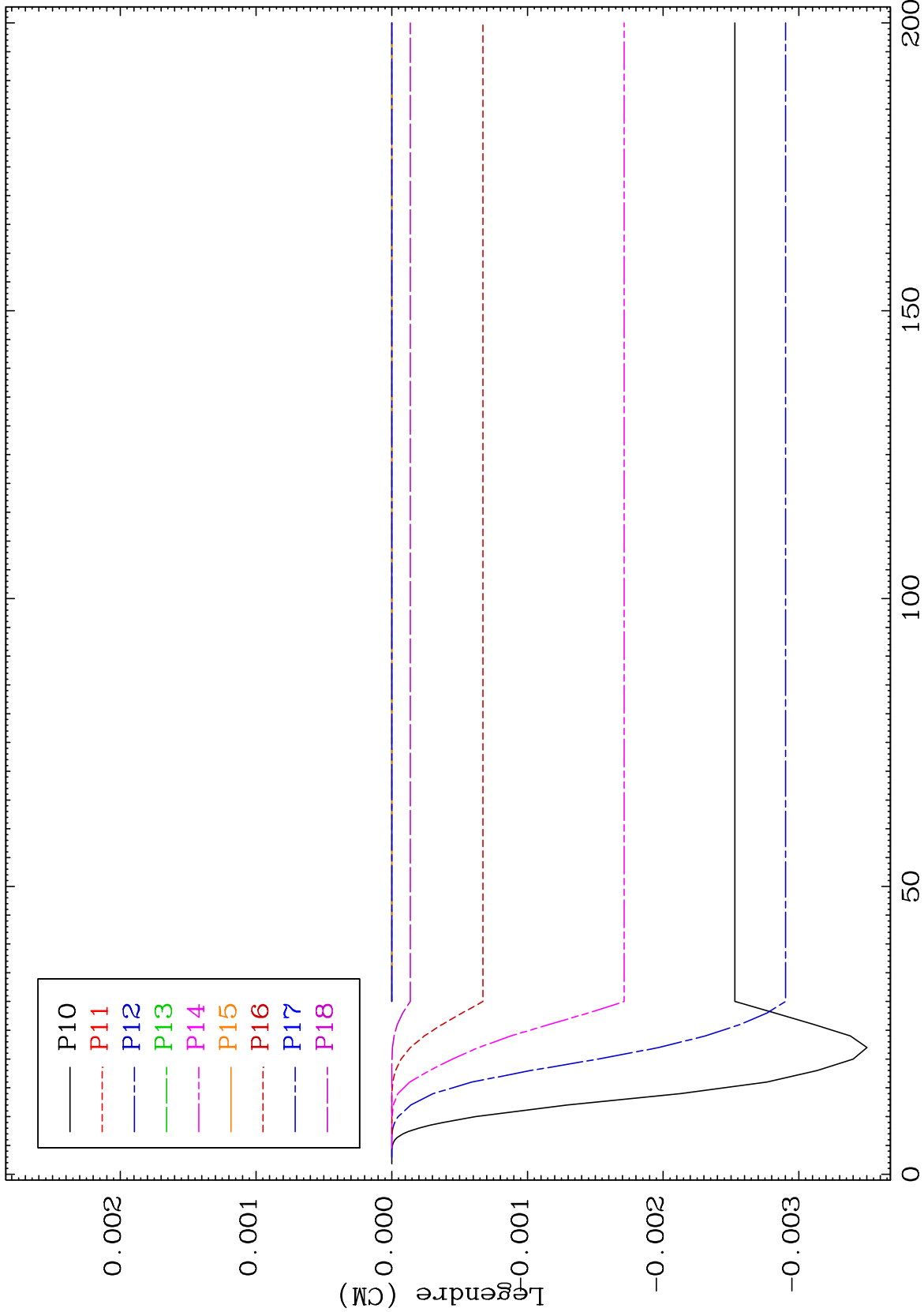
59-Pr-142



59-Pr-142

Incident Energy (MeV)

70

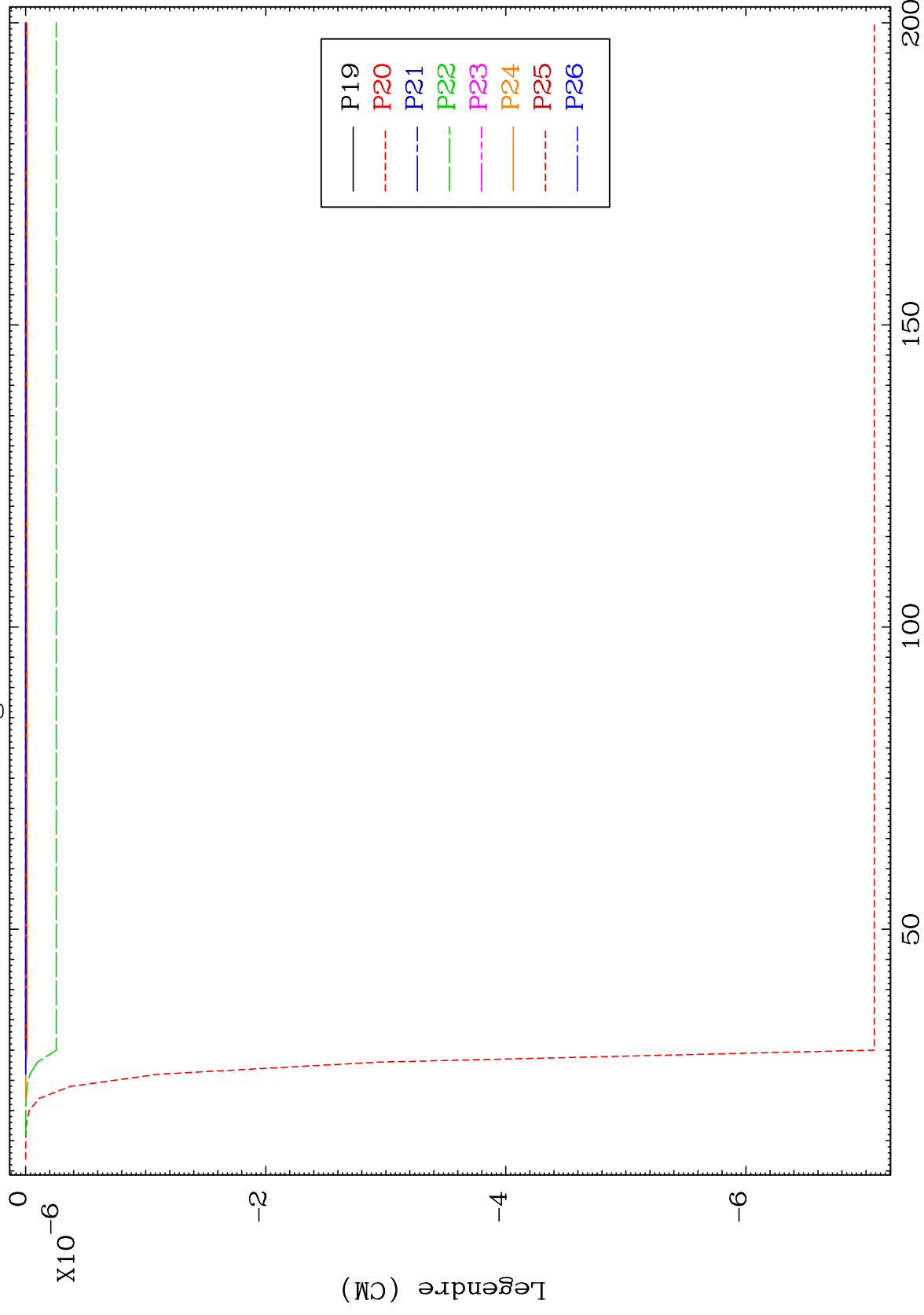




MAT 5928

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

59-Pr-142



72

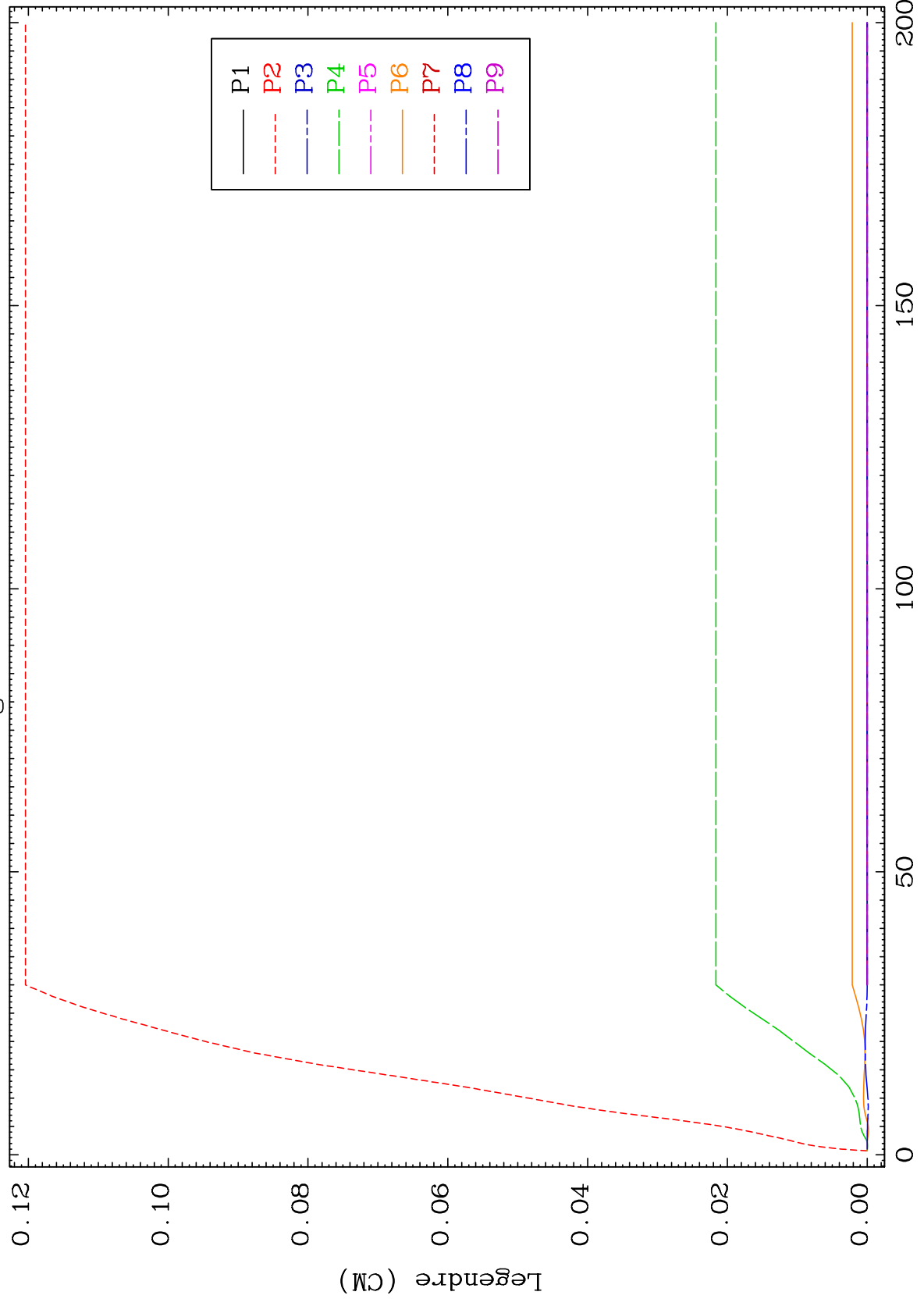
Incident Energy (MeV)

59-Pr-142

MAT 5928

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

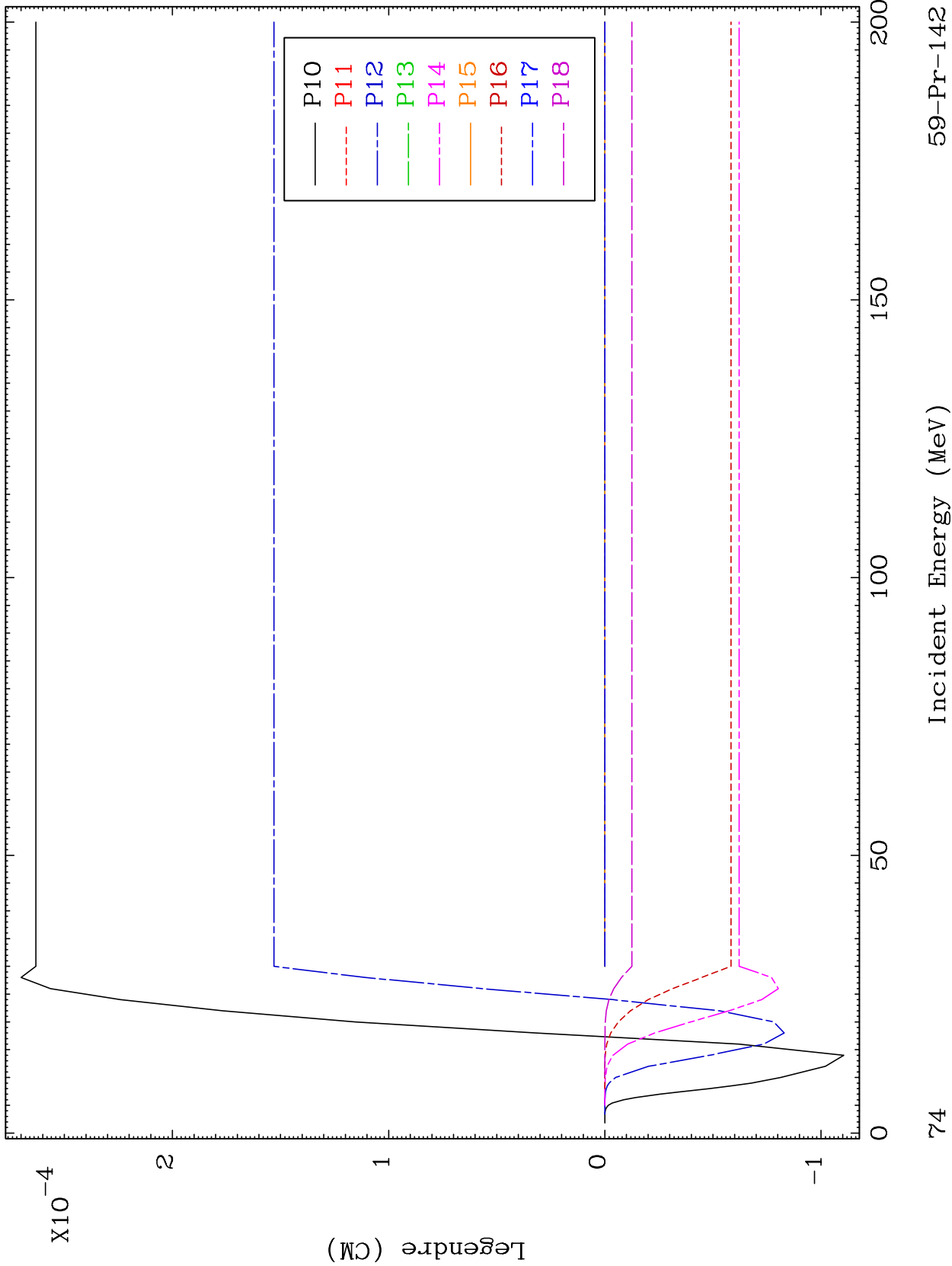
59-Pr-142



73

Incident Energy (MeV)

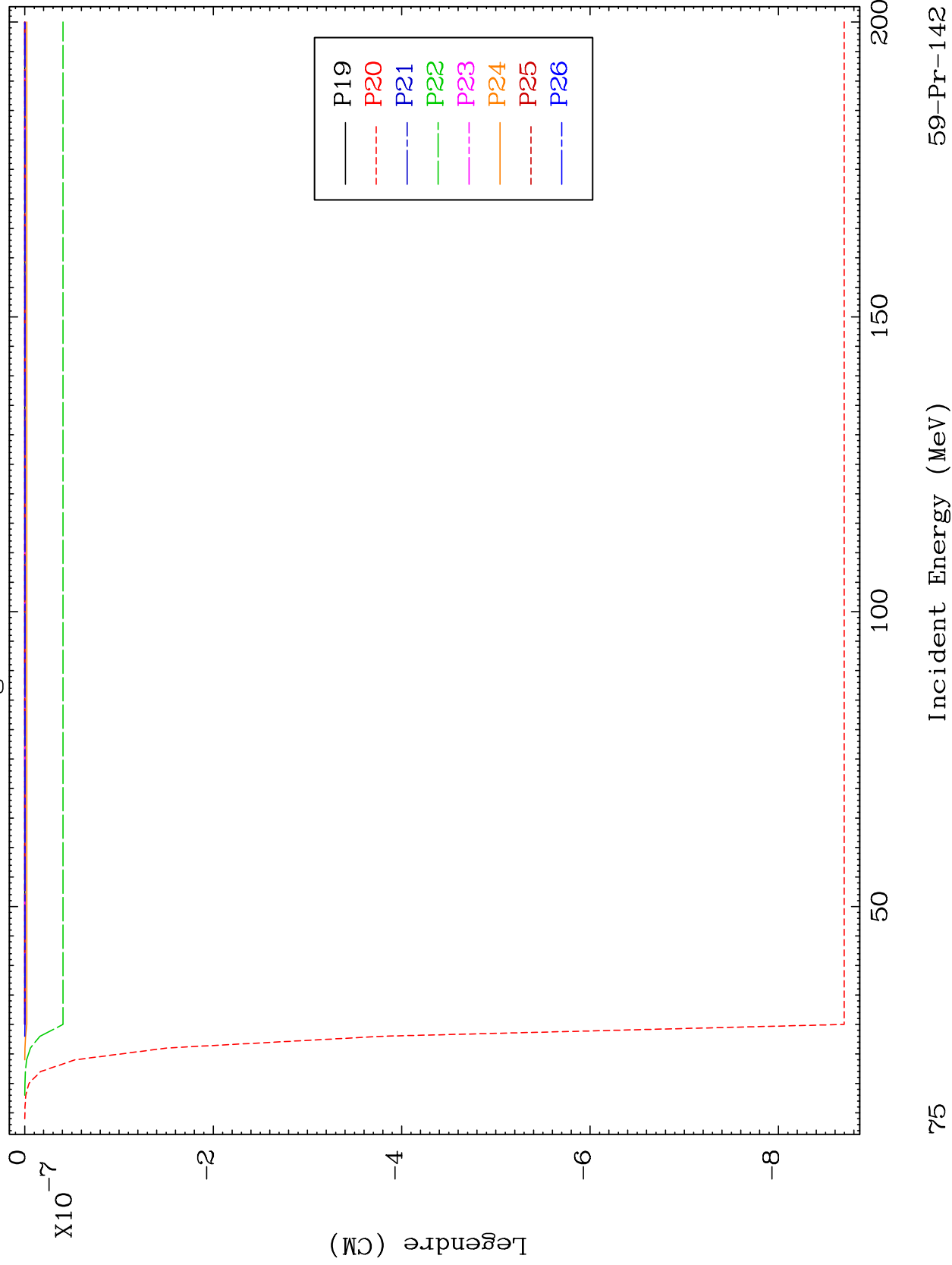
59-Pr-142



MAT 5928

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

59-Pr-142



75

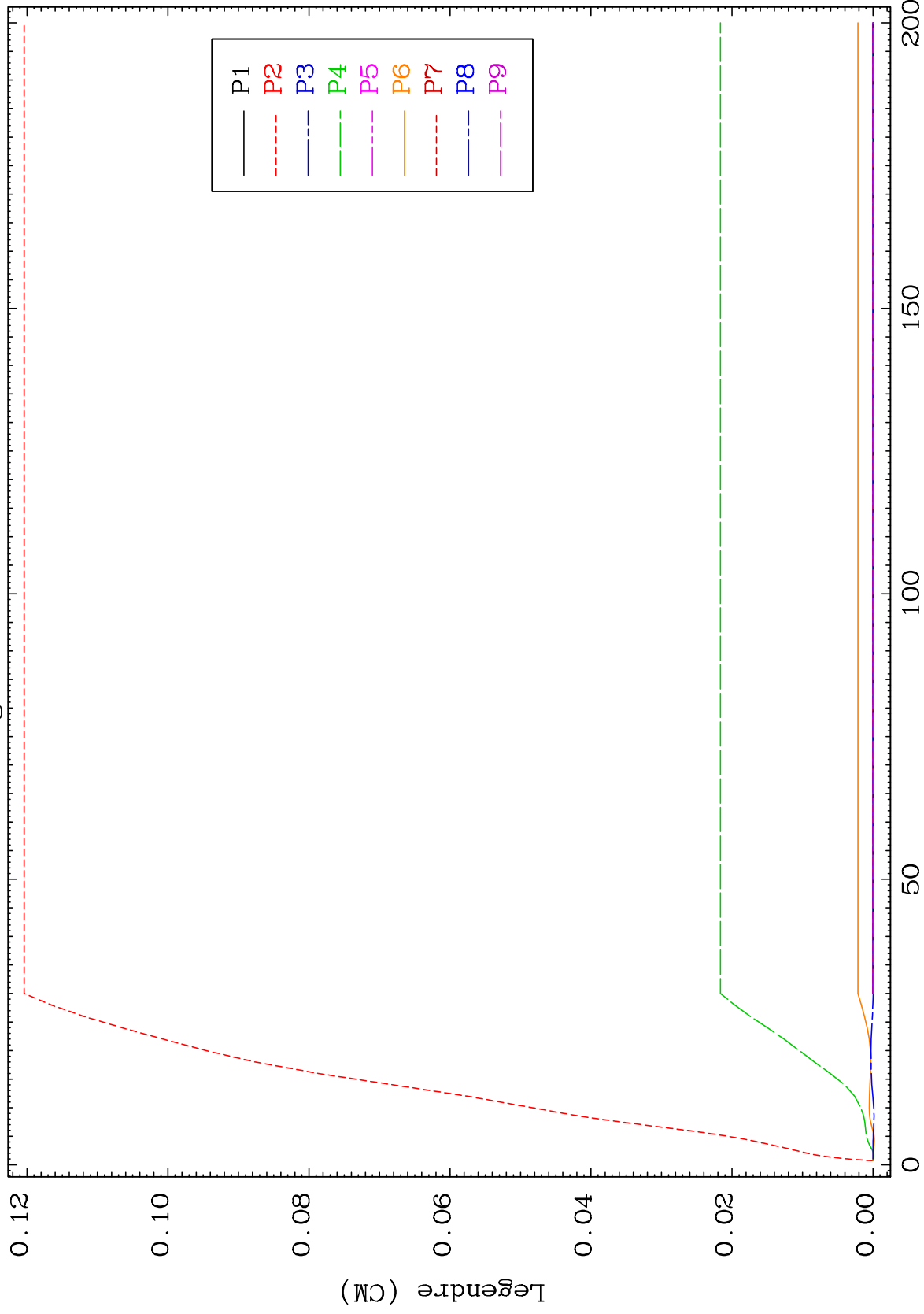
Incident Energy (MeV)

59-Pr-142

MAT 5928

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

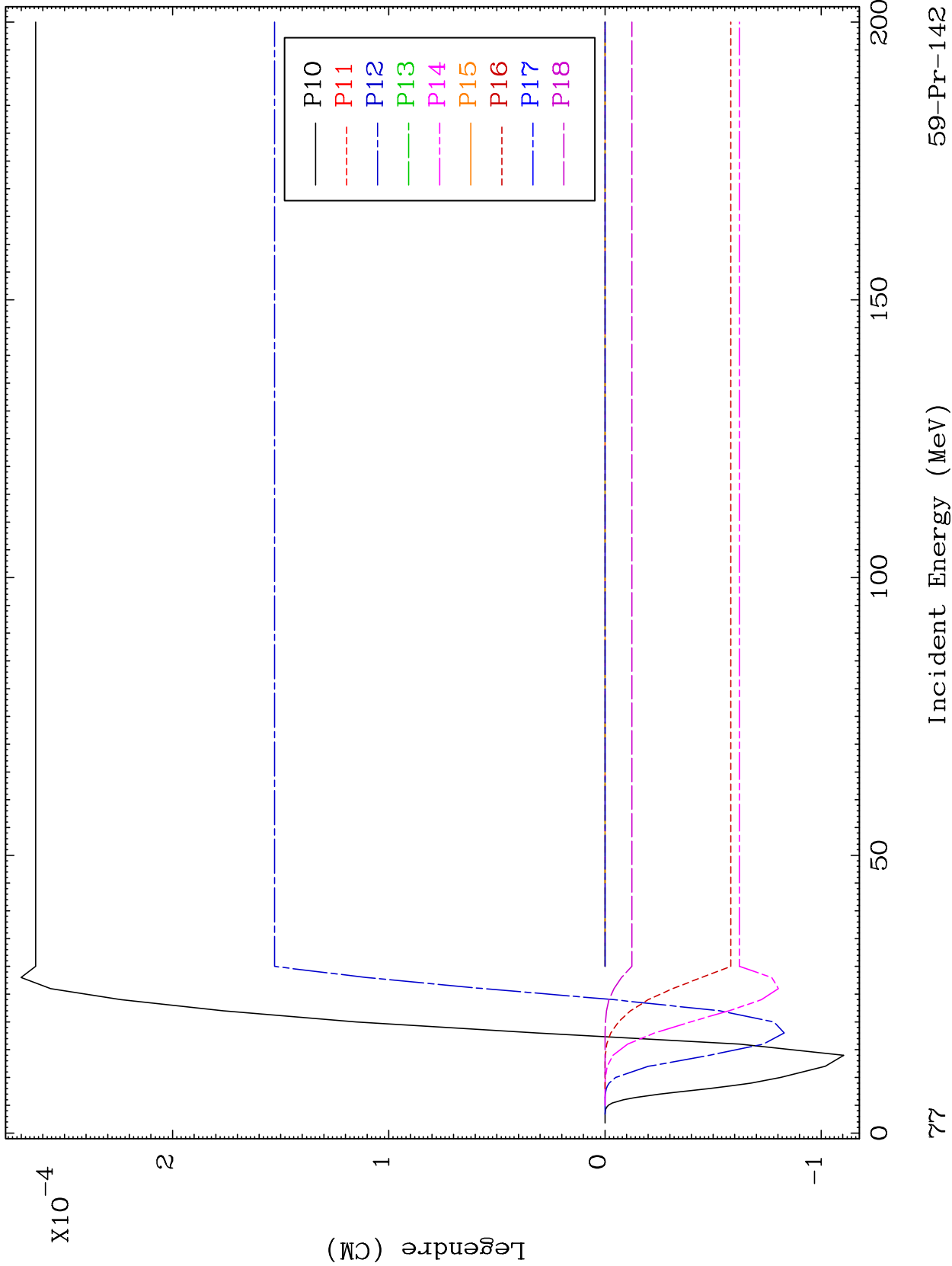
59-Pr-142



76

Incident Energy (MeV)

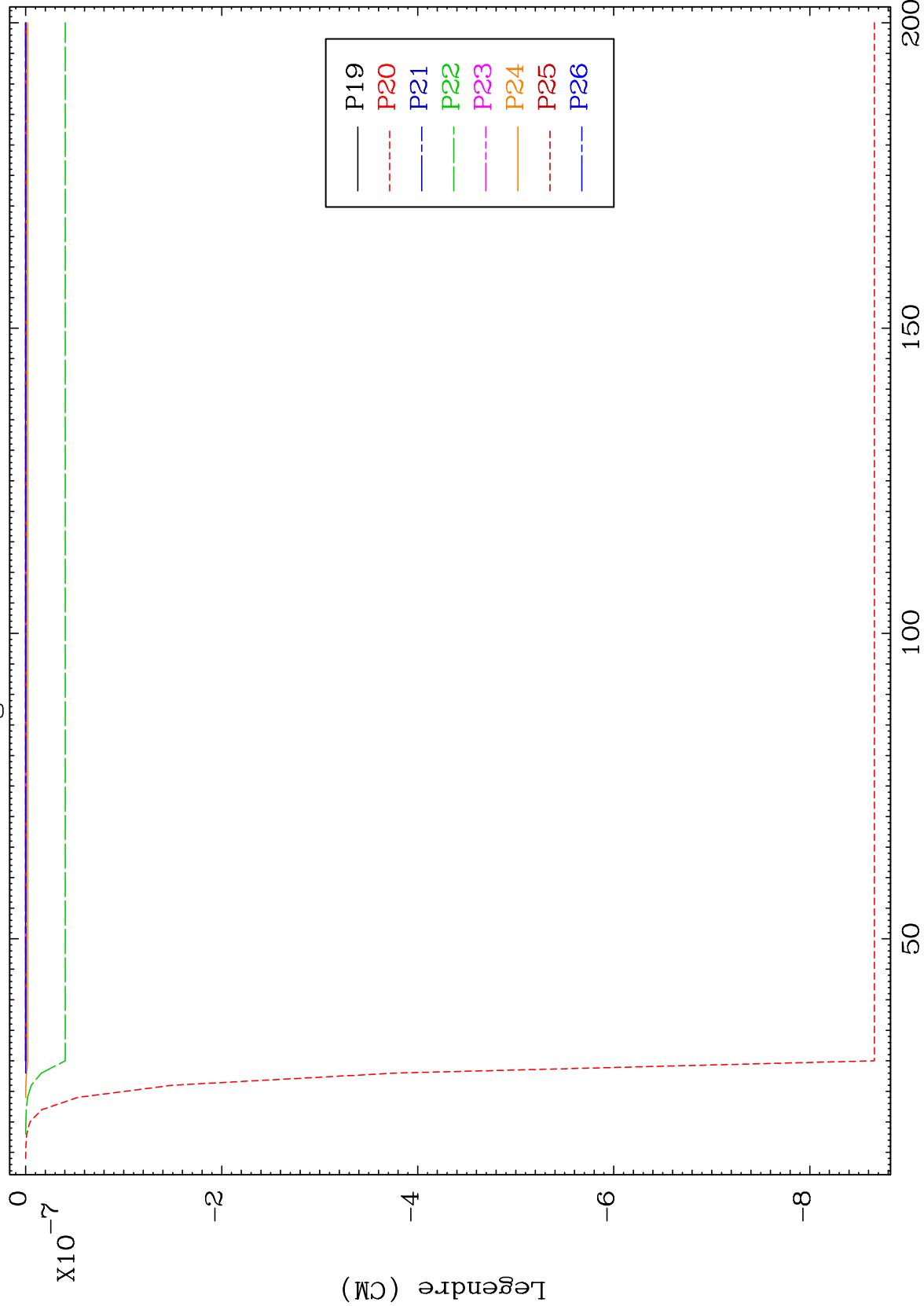
59-Pr-142



MAT 5928

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

59-Pr-142



78

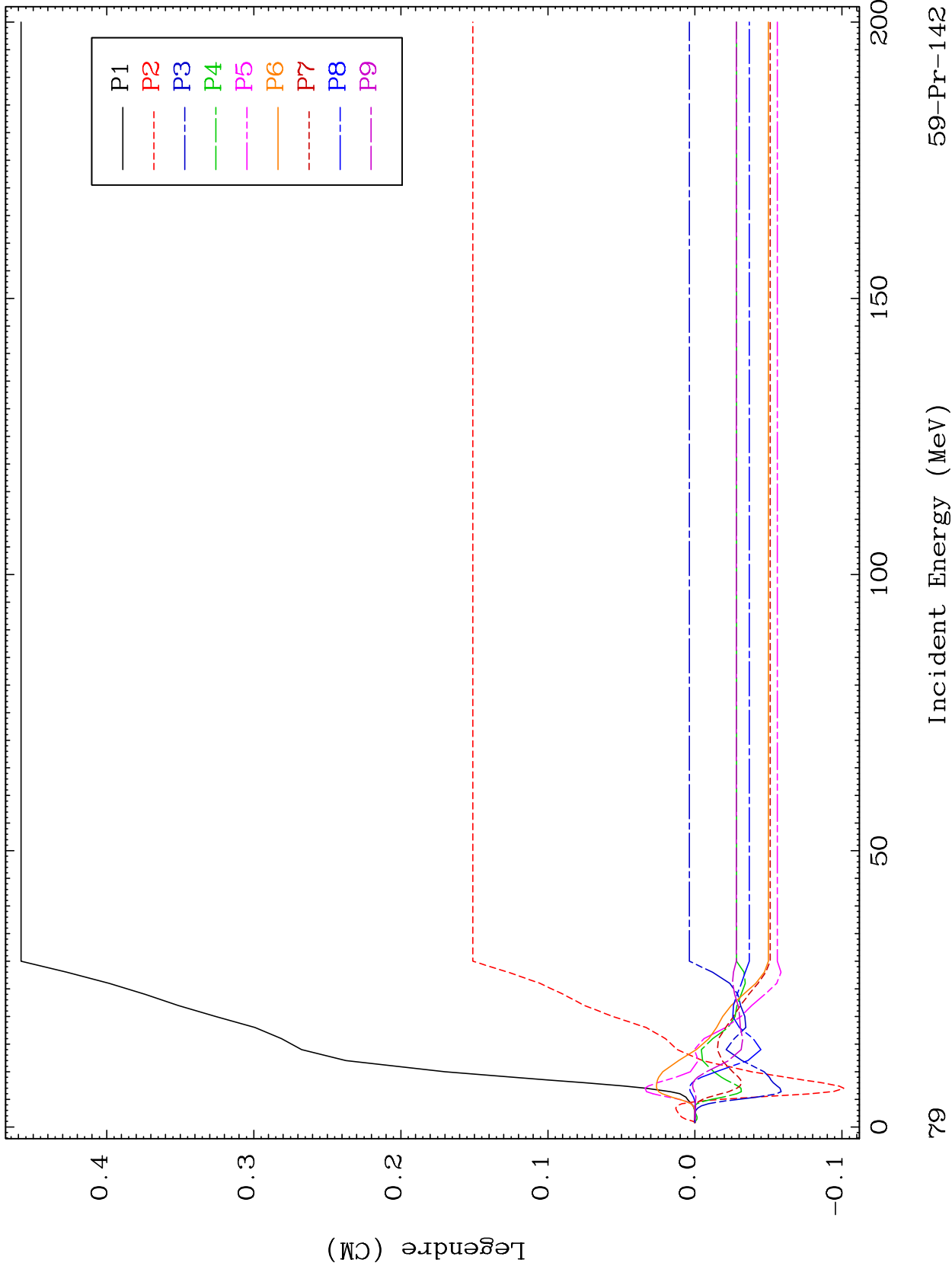
Incident Energy (MeV)

59-Pr-142

MAT 5928

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

59-Pr-142



79

59-Pr-142

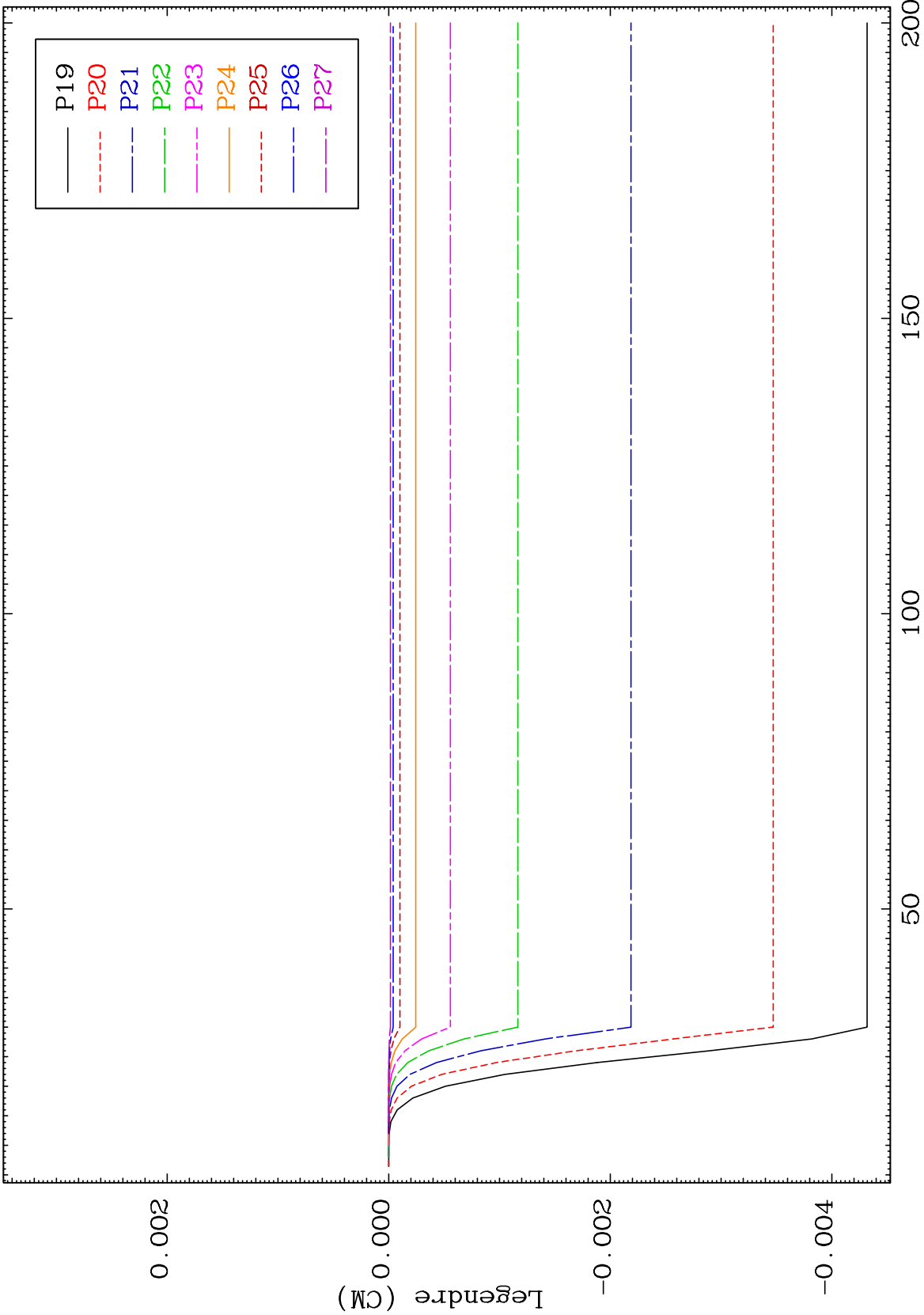




MAT 5928

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

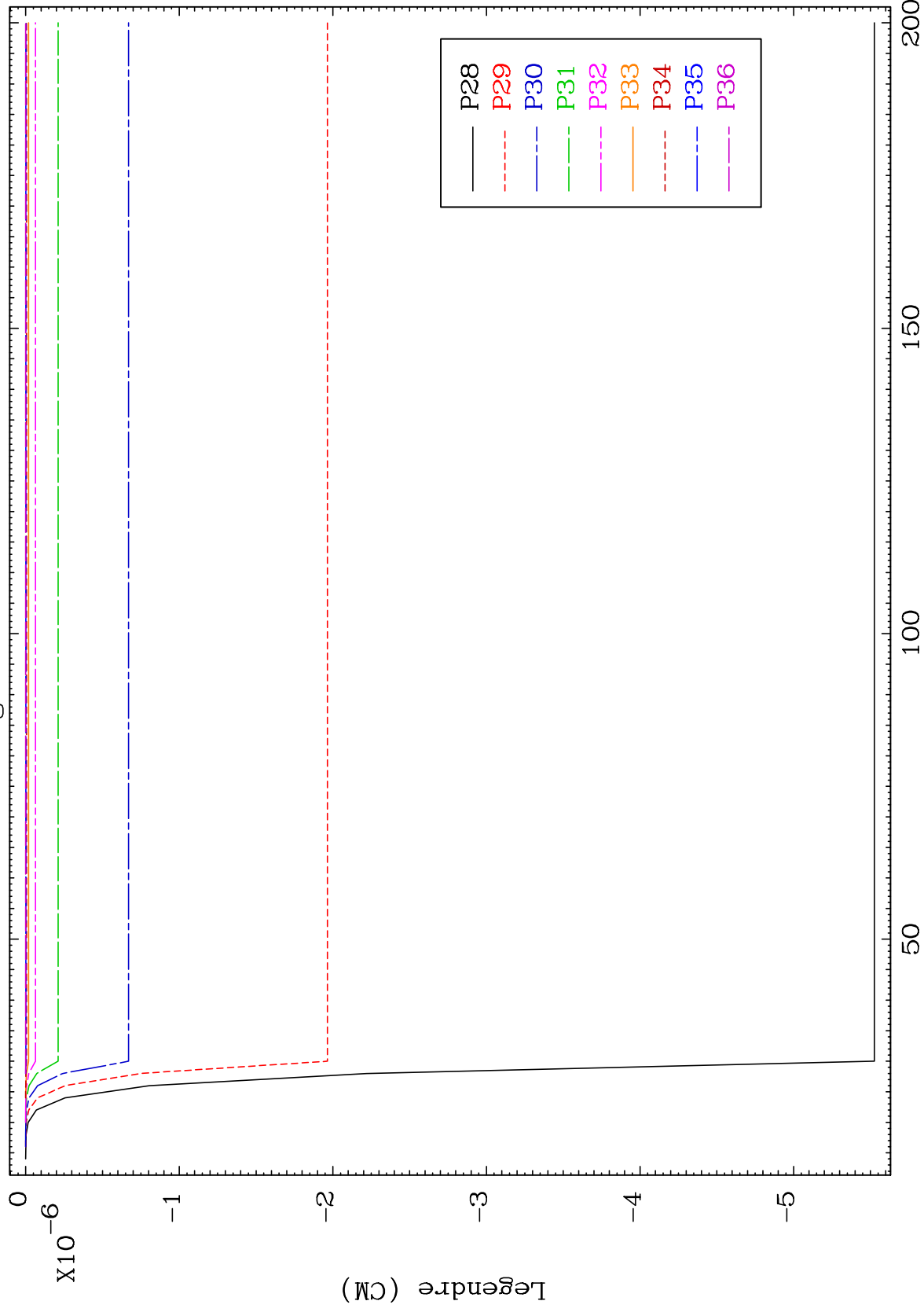
59-Pr-142



MAT 5928

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

59-Pr-142



82

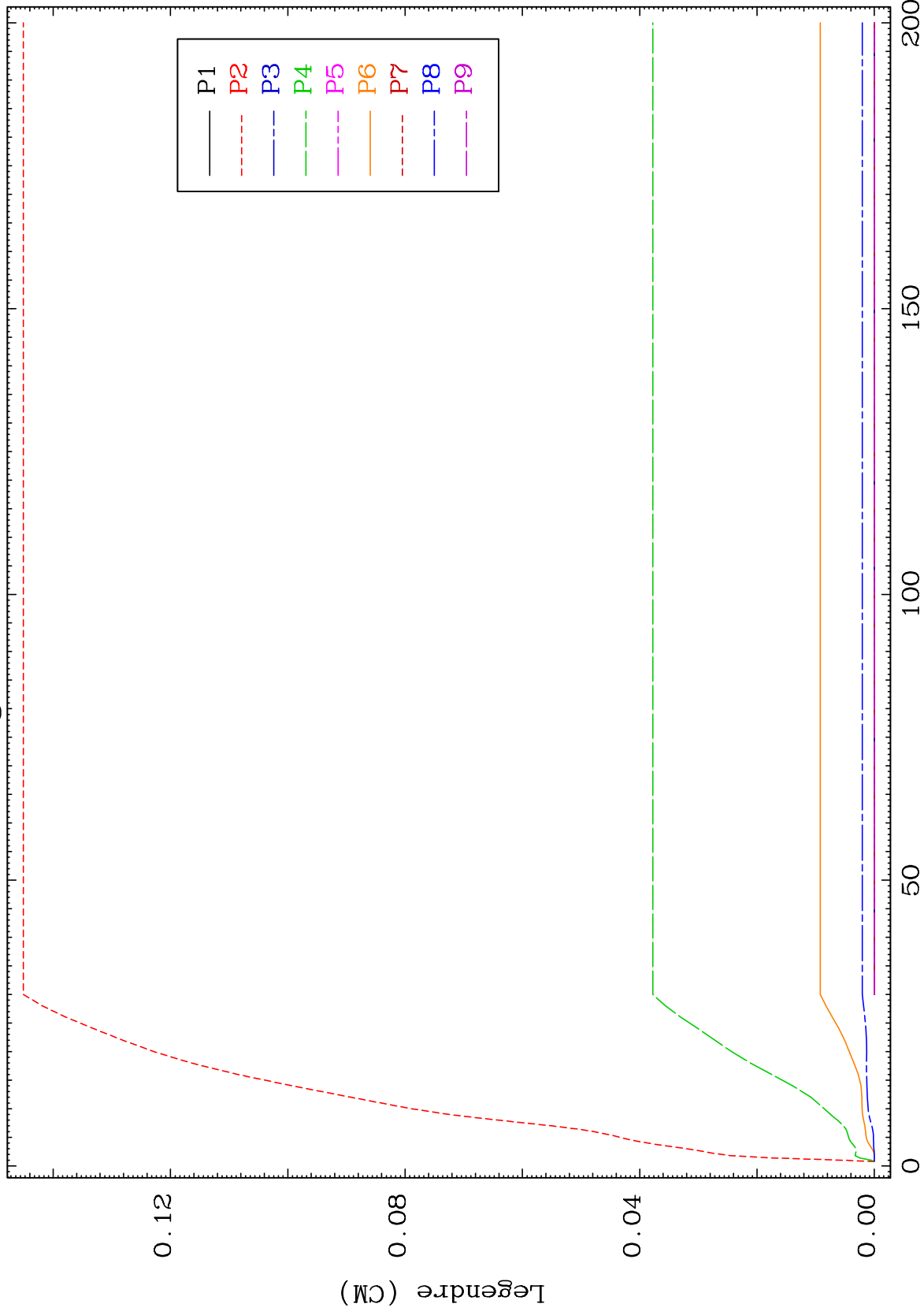
Incident Energy (MeV)

59-Pr-142

MAT 5928

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

59-Pr-142



83

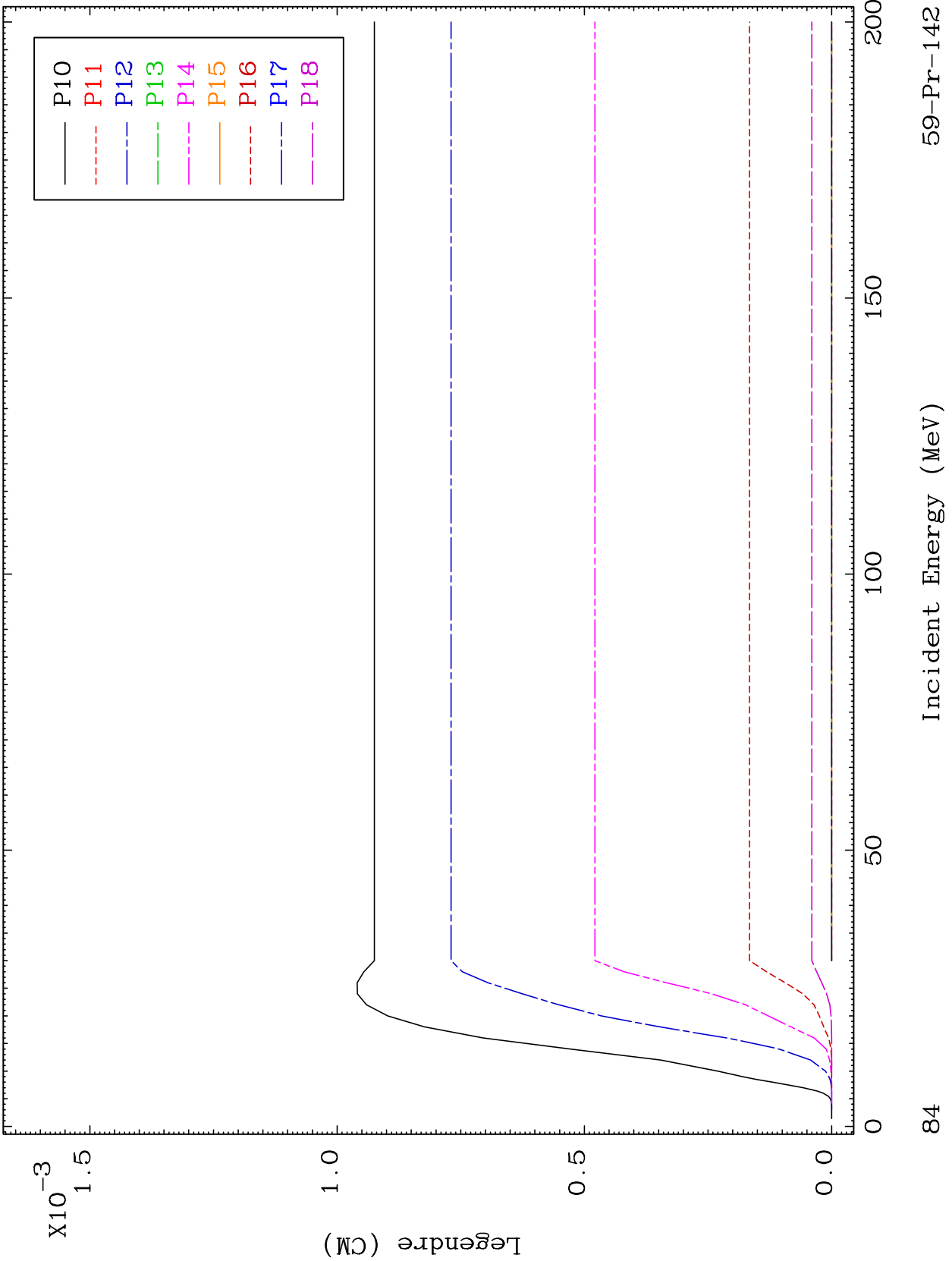
Incident Energy (MeV)

59-Pr-142

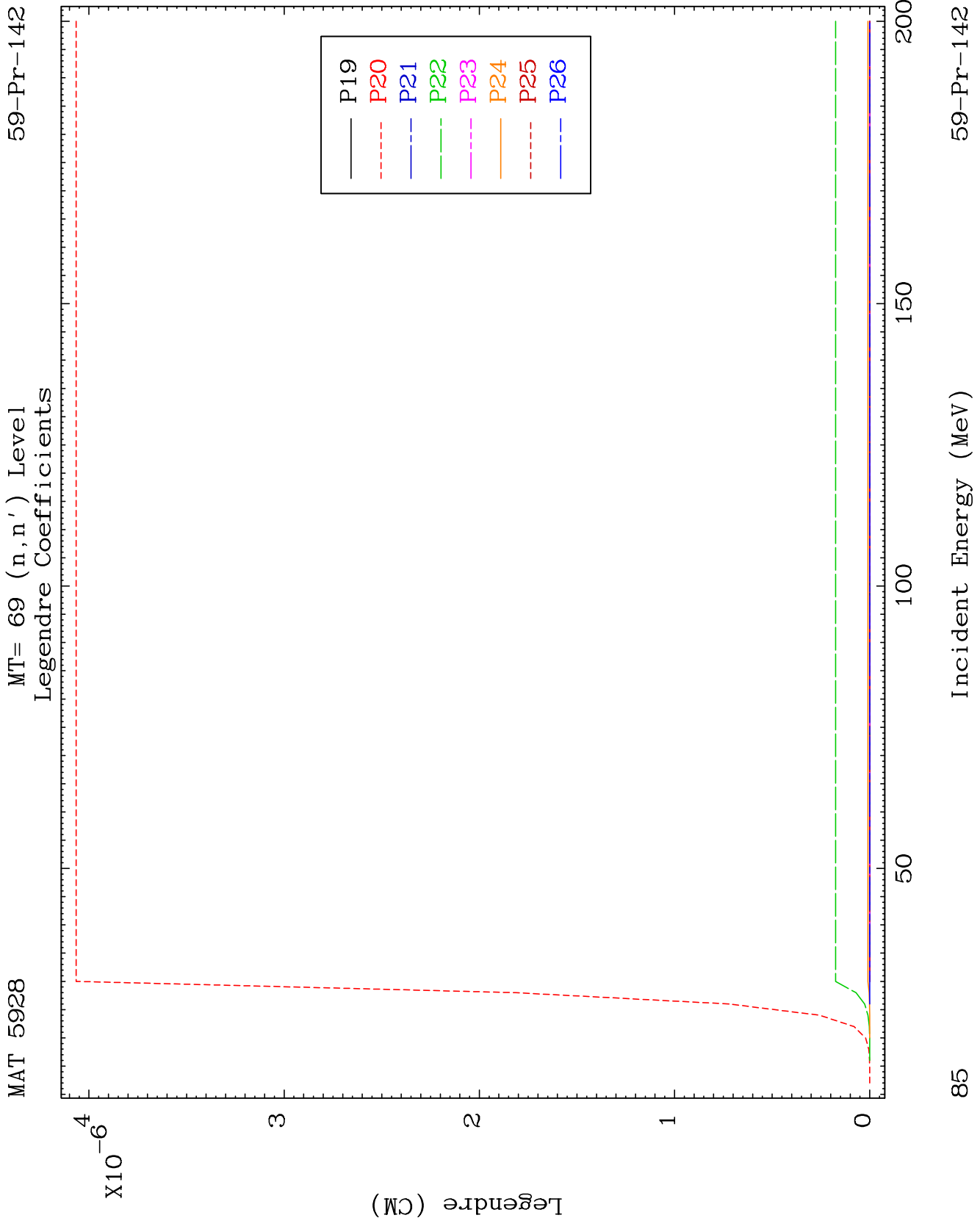
MAT 5928

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

59-Pr-142



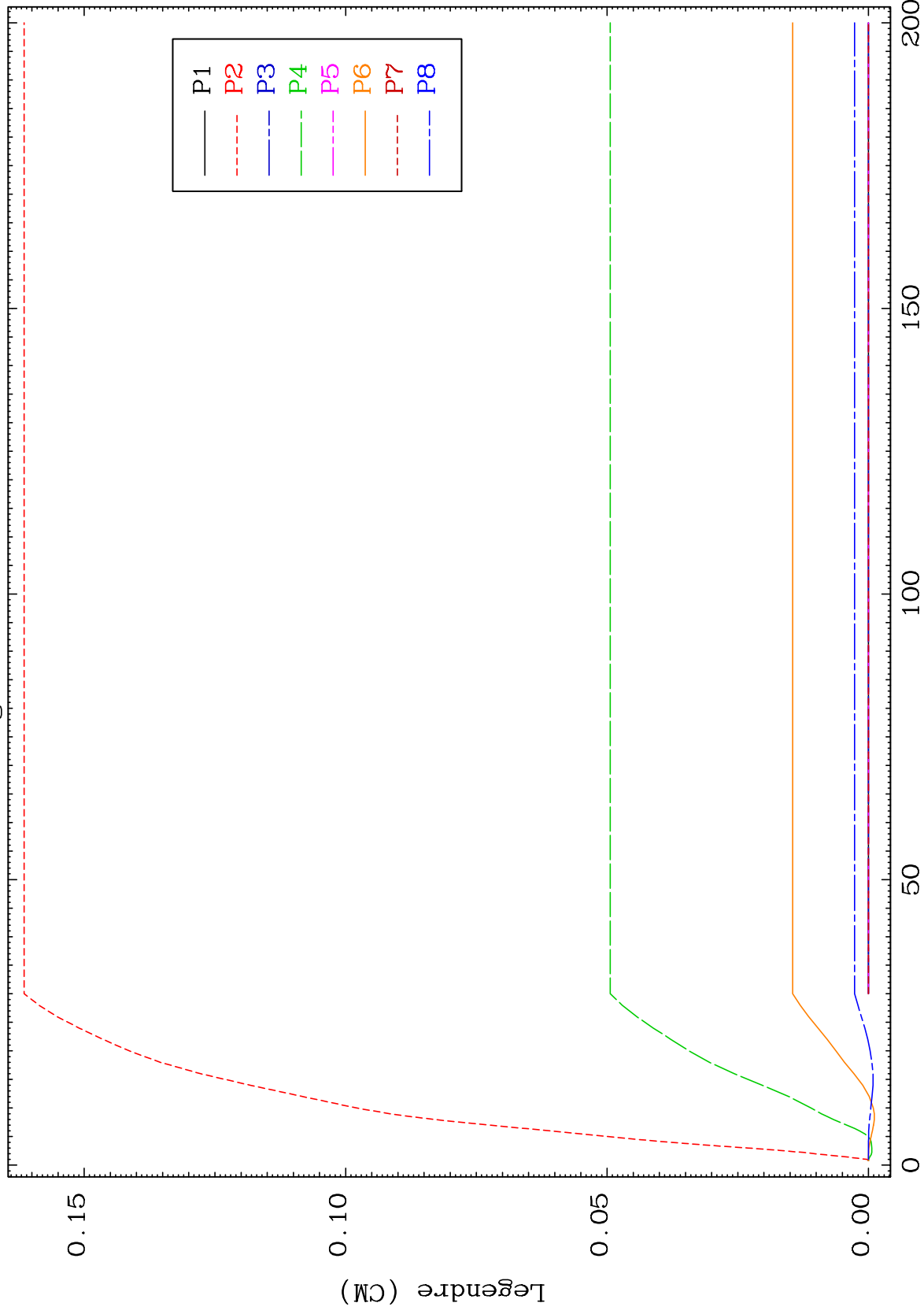
59-Pr-142



MAT 5928

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

59-Pr-142



86

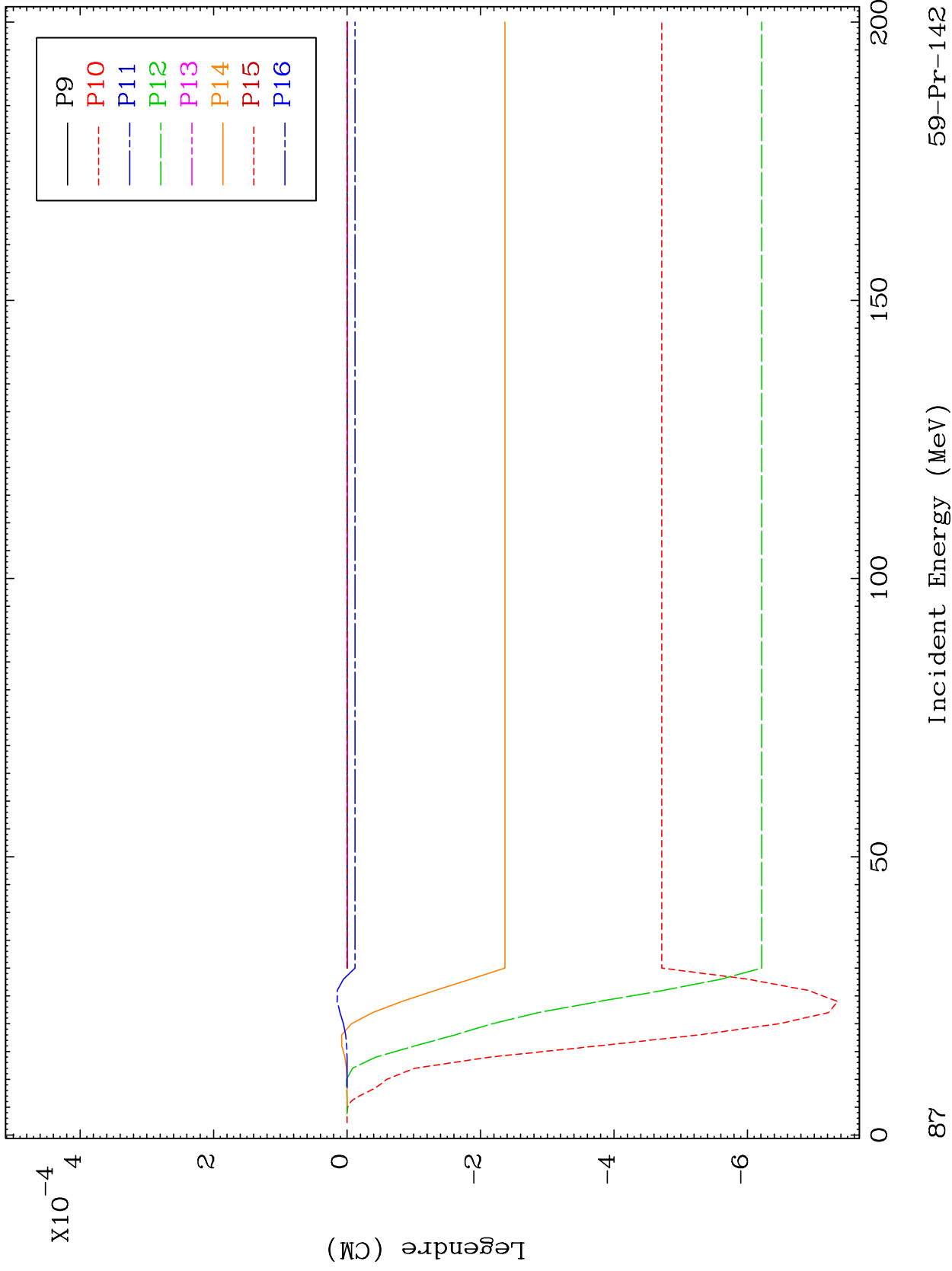
Incident Energy (MeV)

59-Pr-142

MAT 5928

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

59-Pr-142

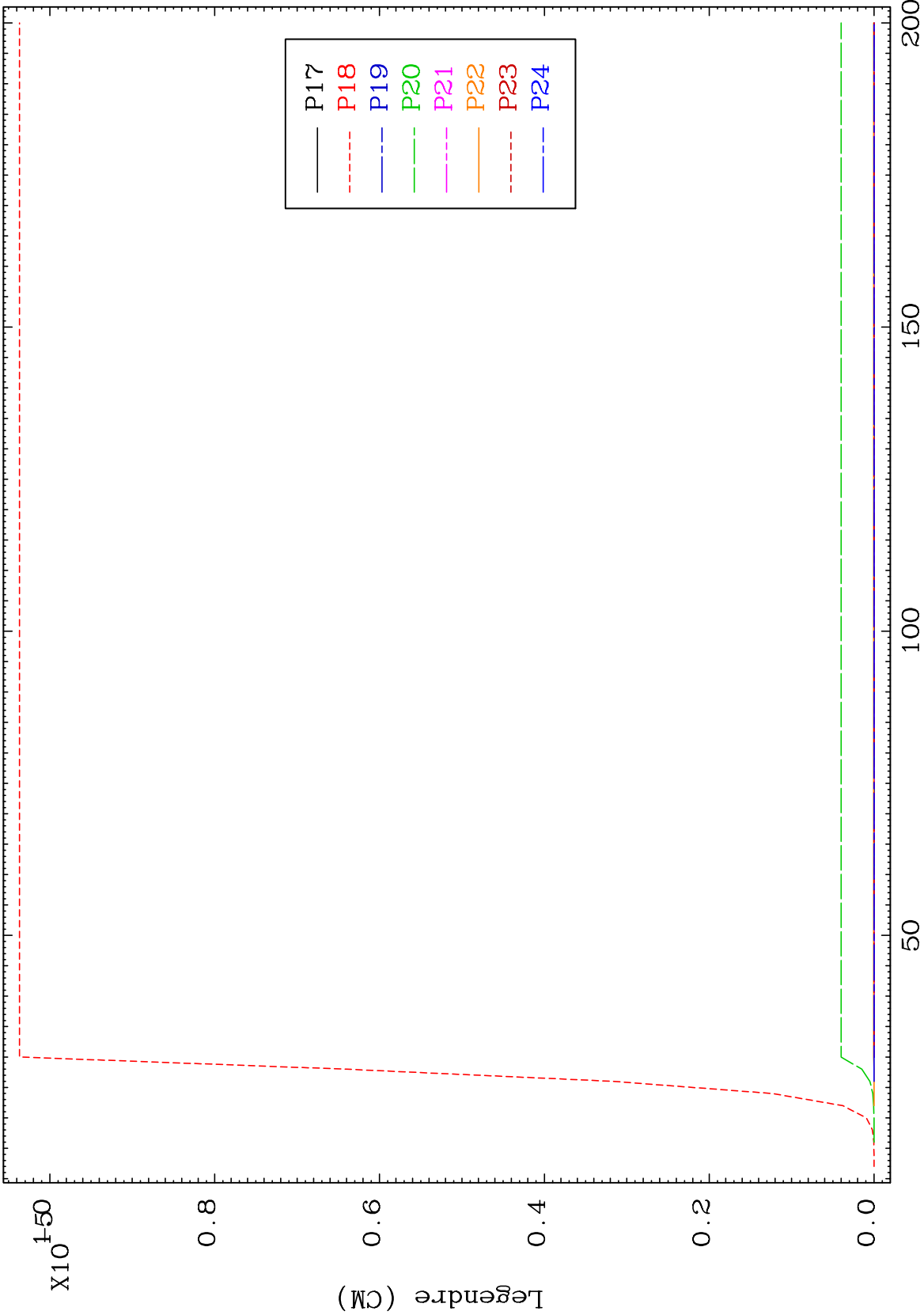




MAT 5928

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

59-Pr-142



88

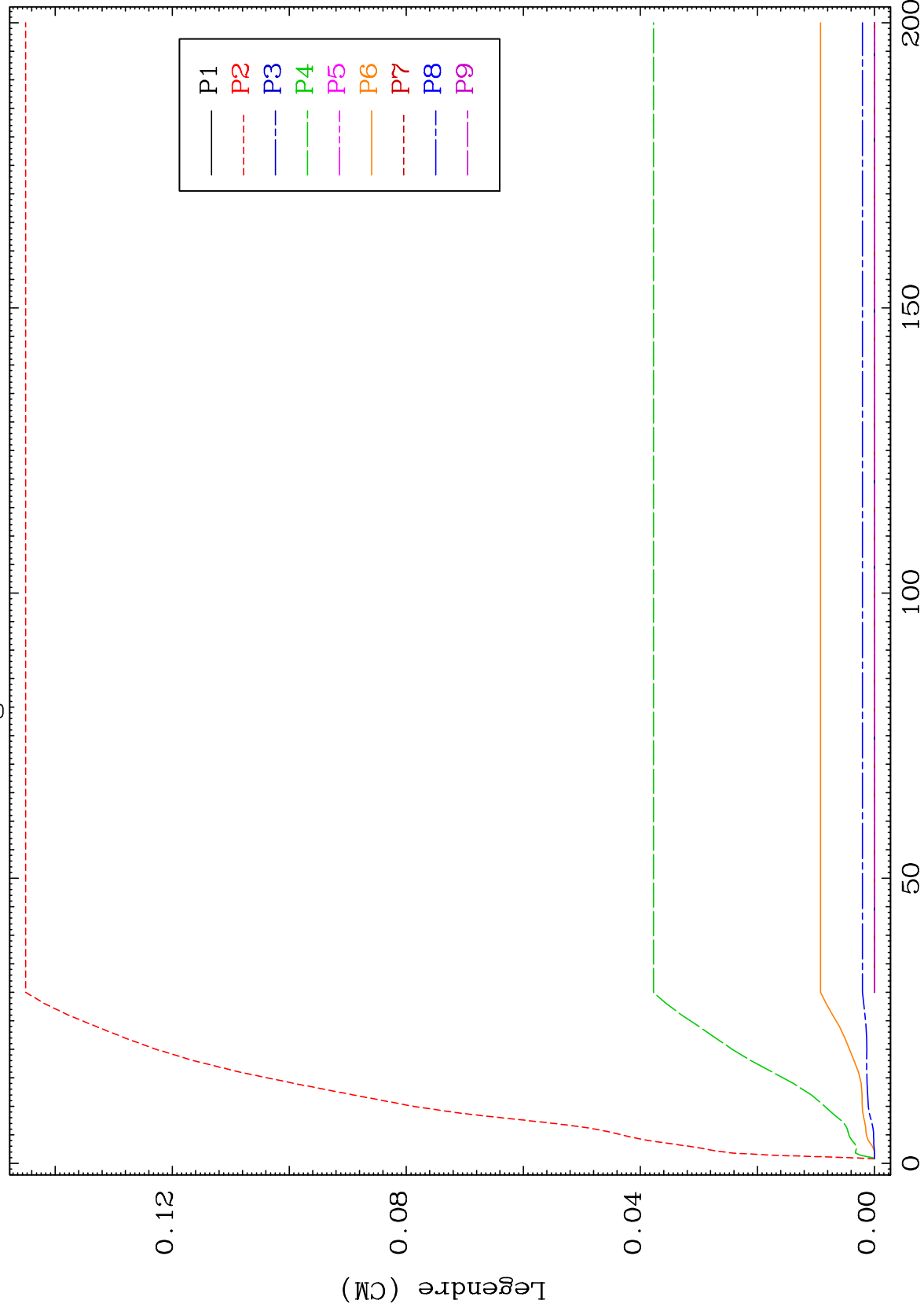
Incident Energy (MeV)

59-Pr-142

MAT 5928

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

59-Pr-142



89

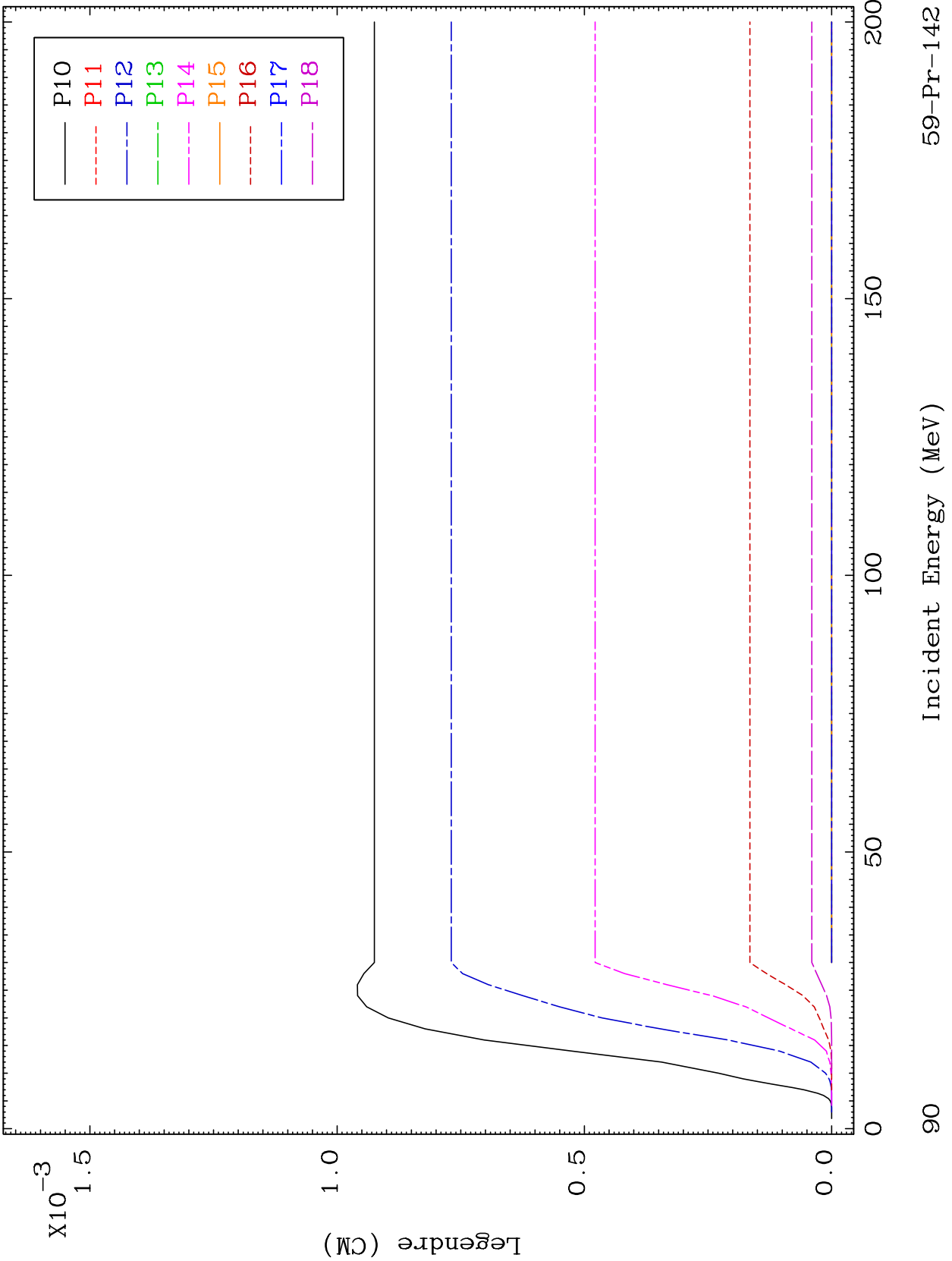
Incident Energy (MeV)

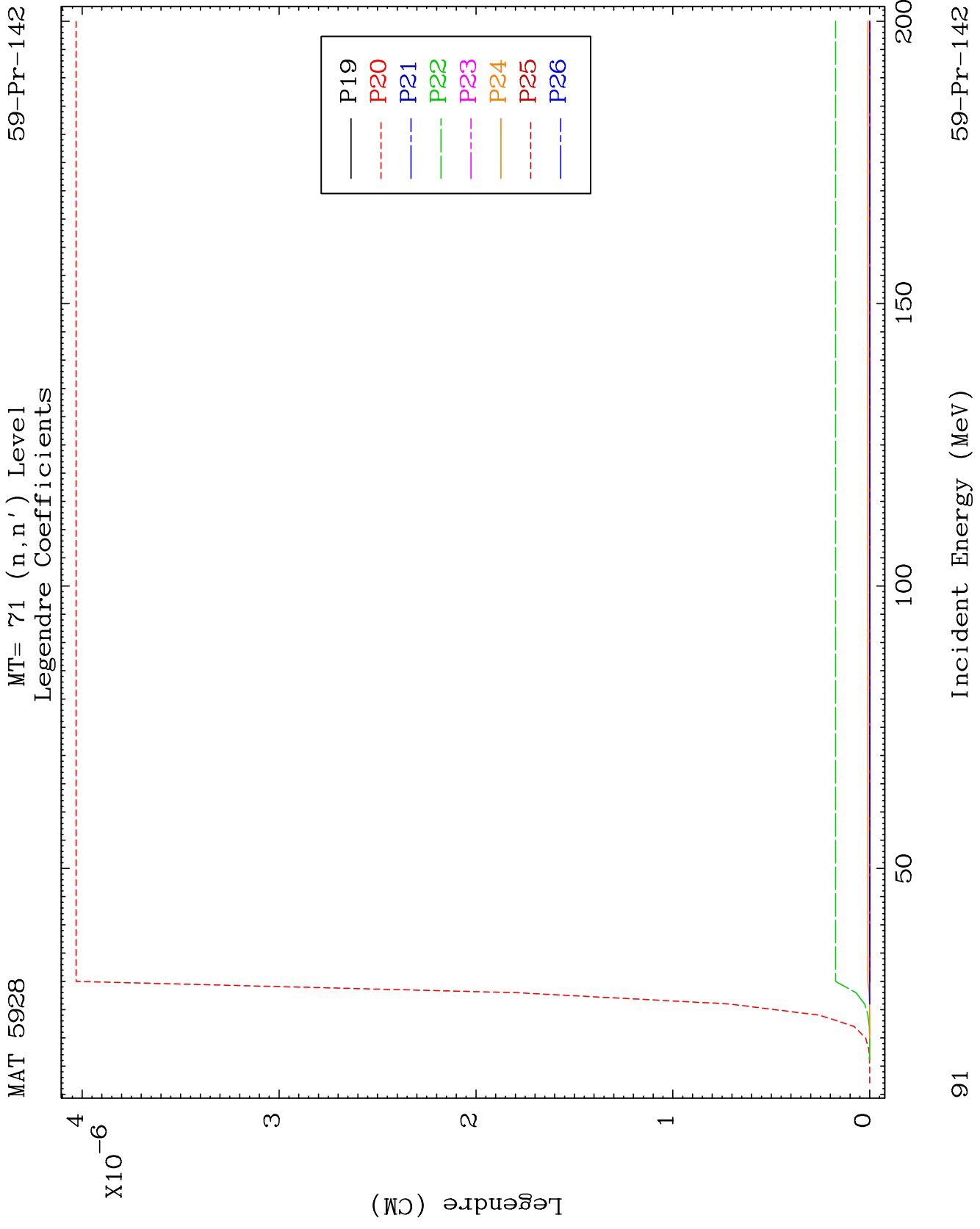
59-Pr-142

MAT 5928

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

59-Pr-142

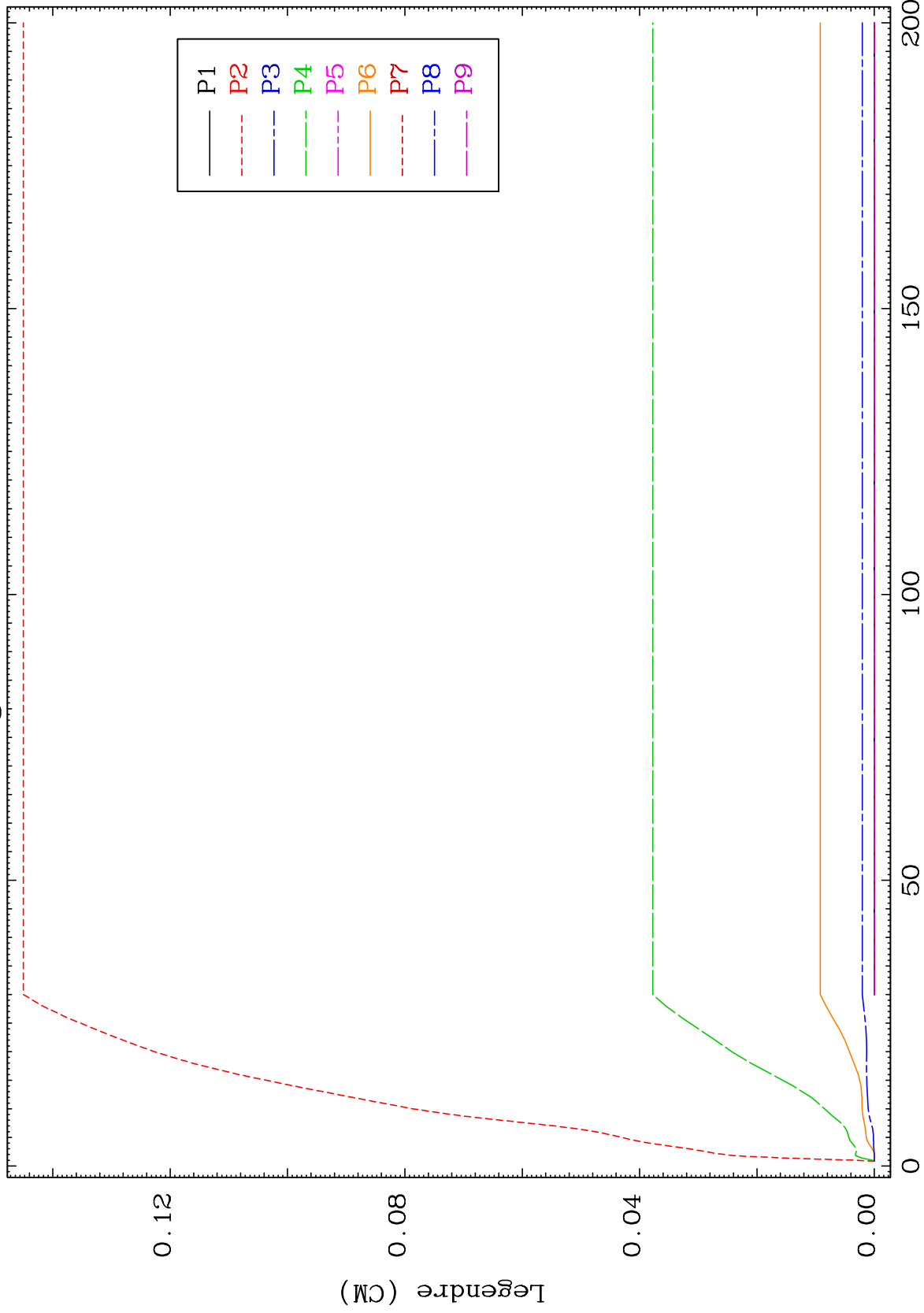




MAT 5928

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

59-Pr-142



59-Pr-142

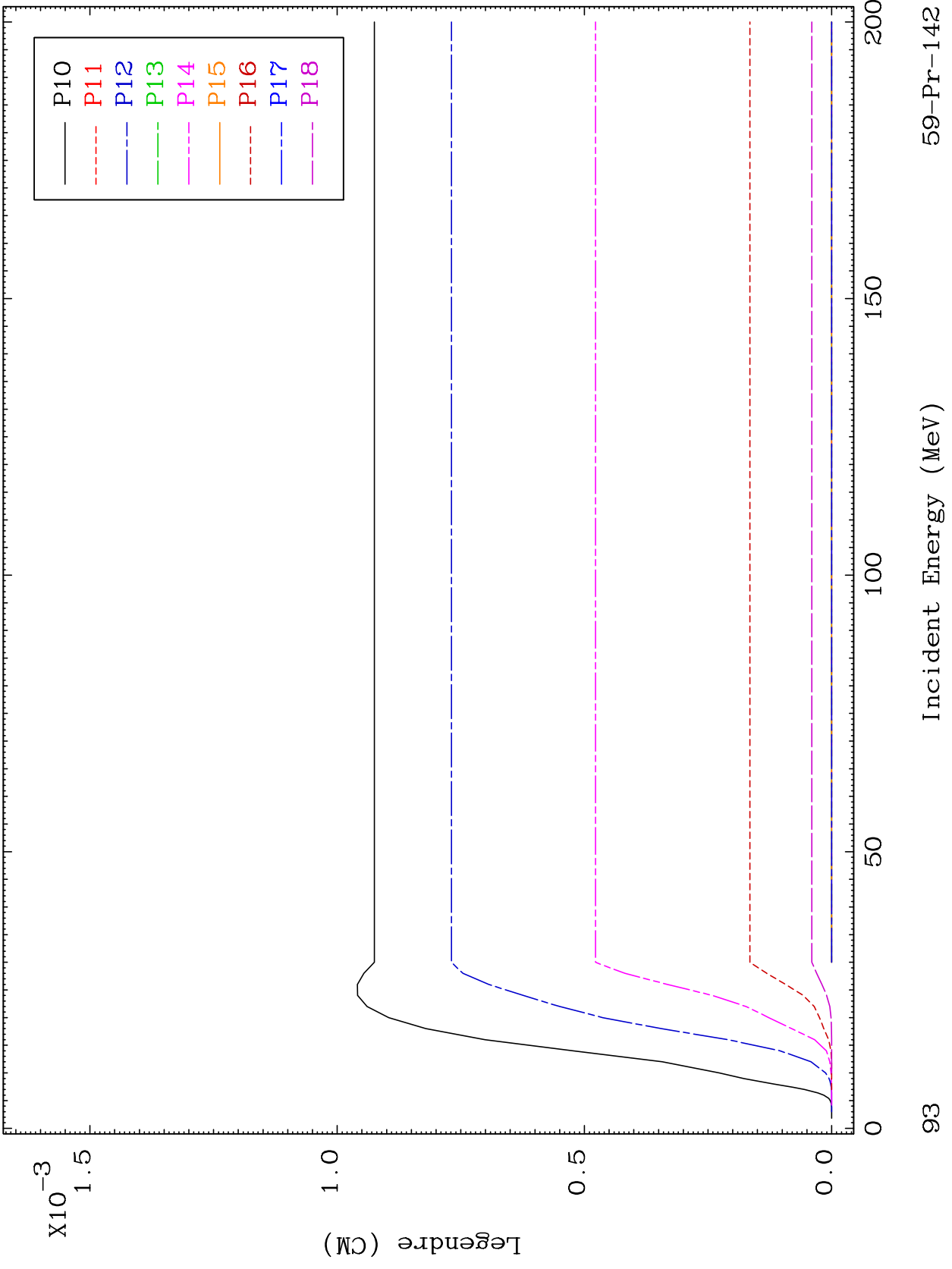
Incident Energy (MeV)

92

MAT 5928

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

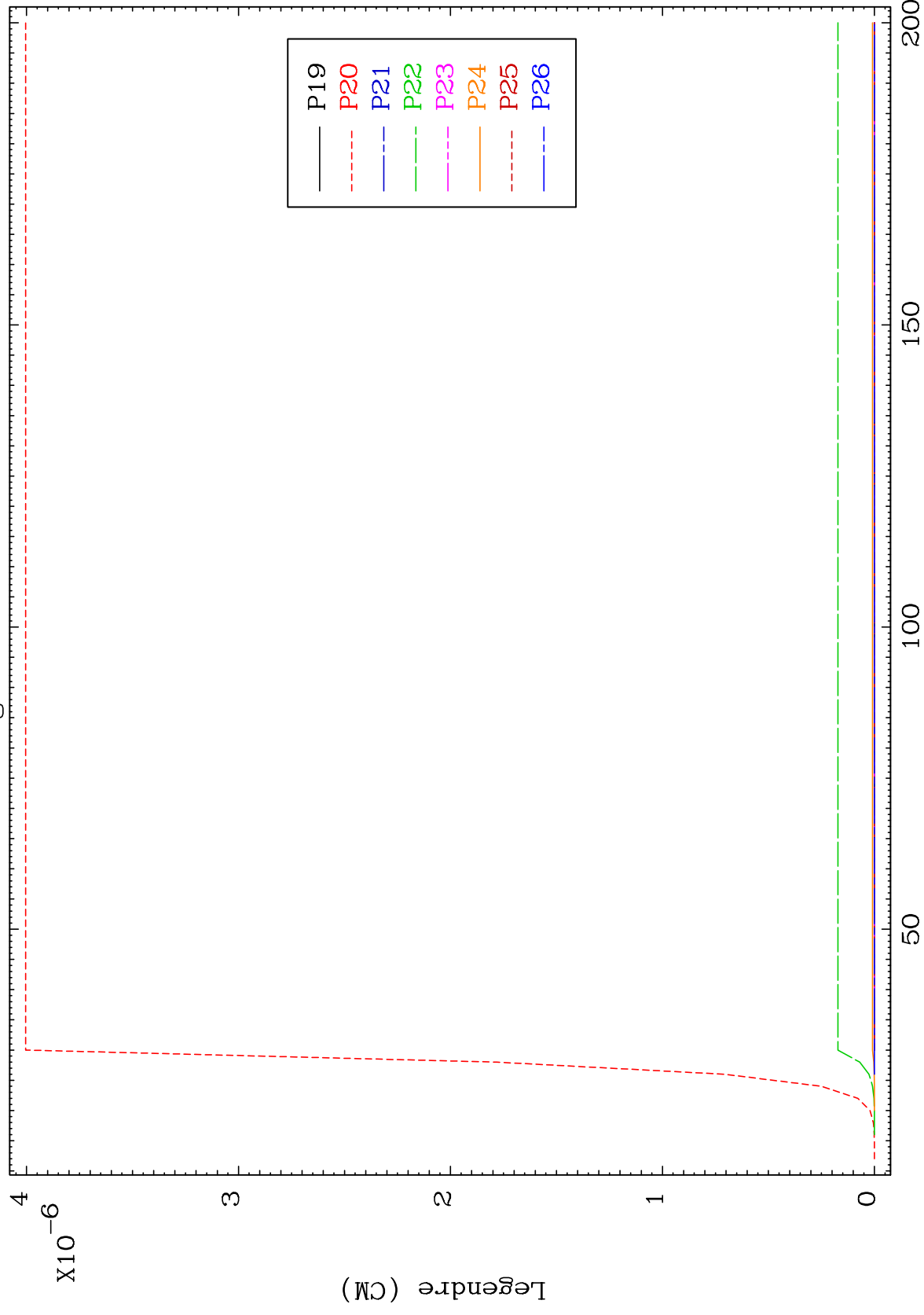
59-Pr-142



MAT 5928

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

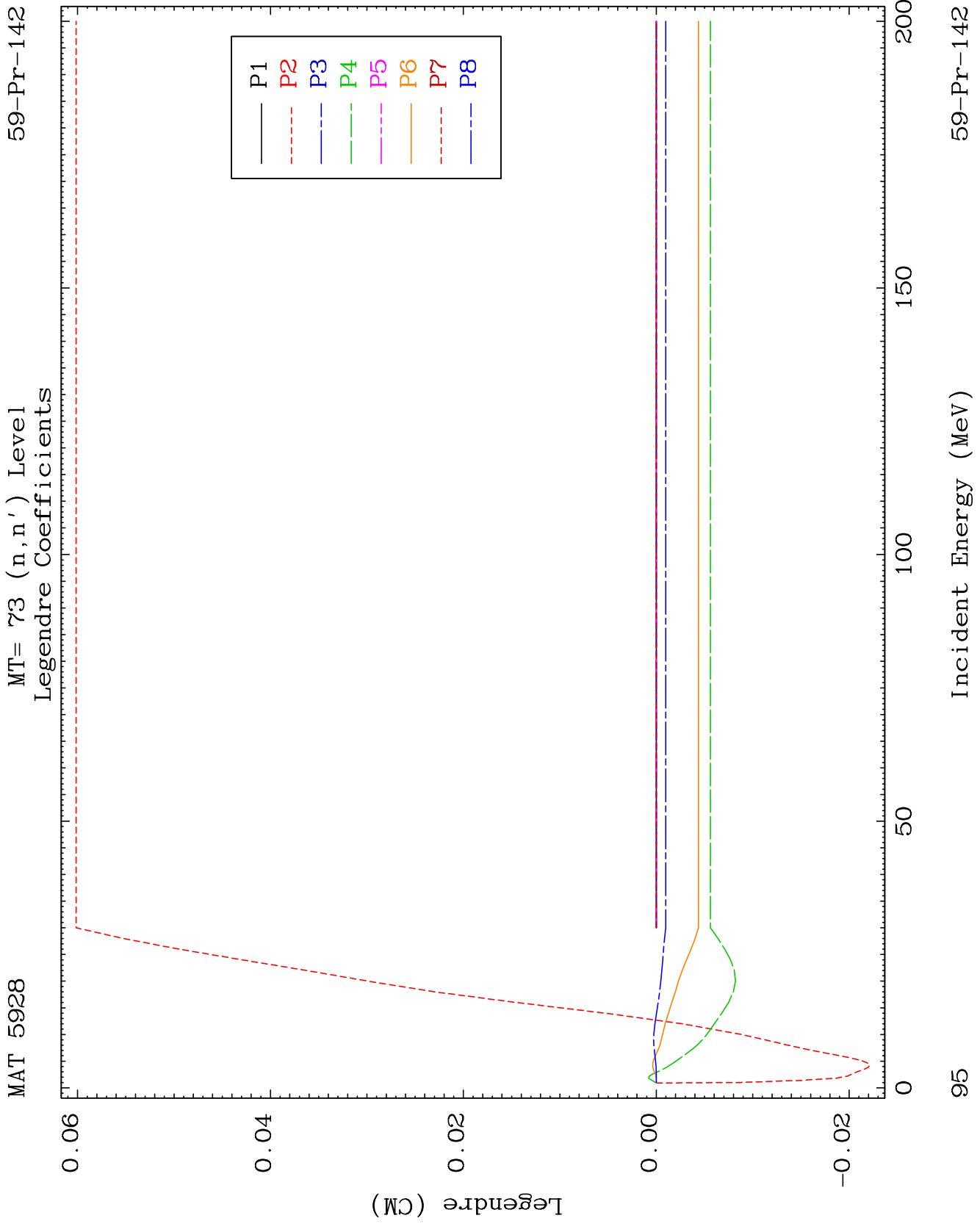
59-Pr-142



94

Incident Energy (MeV)

59-Pr-142

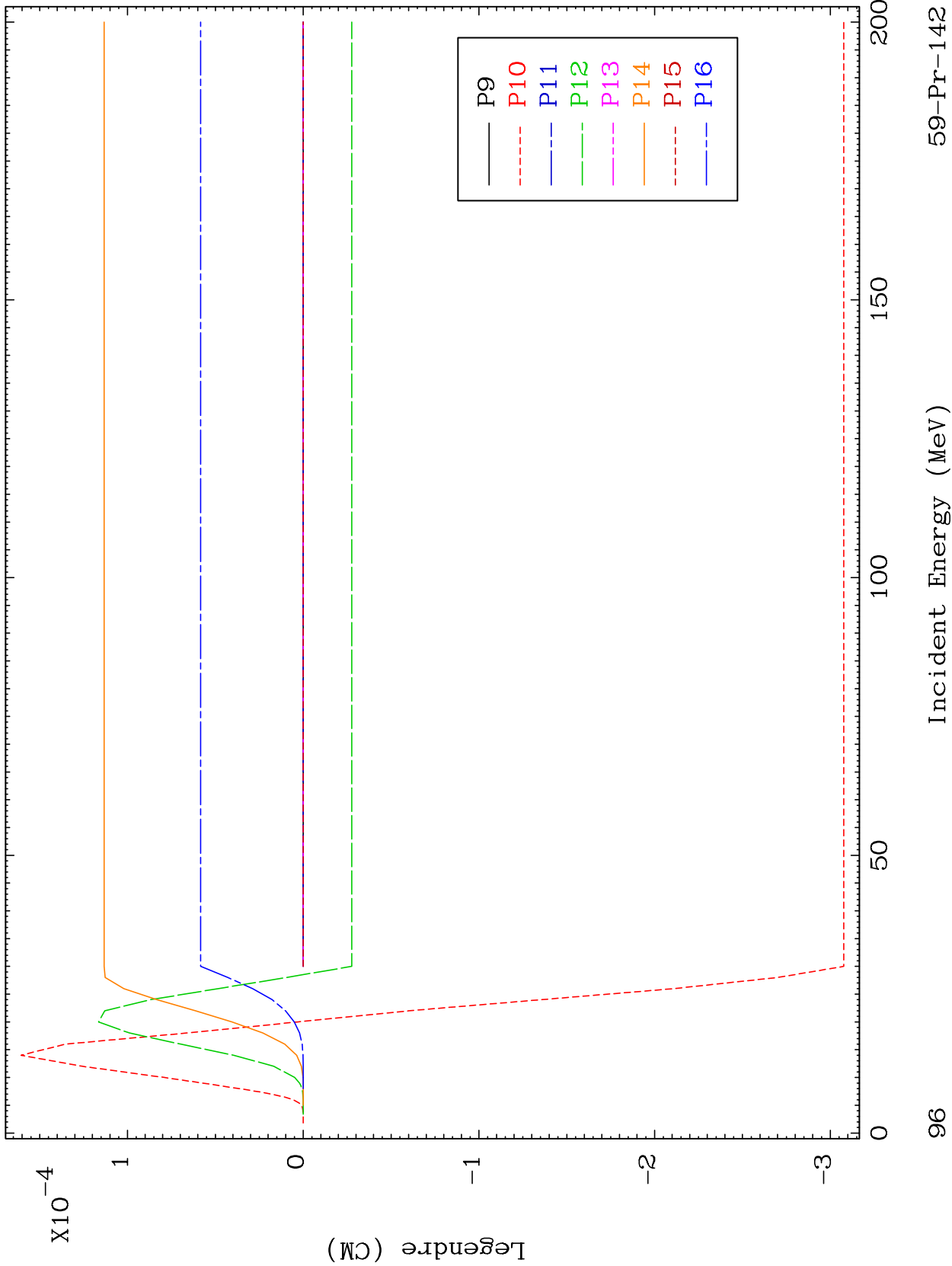




MAT 5928

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

59-Pr-142



59-Pr-142

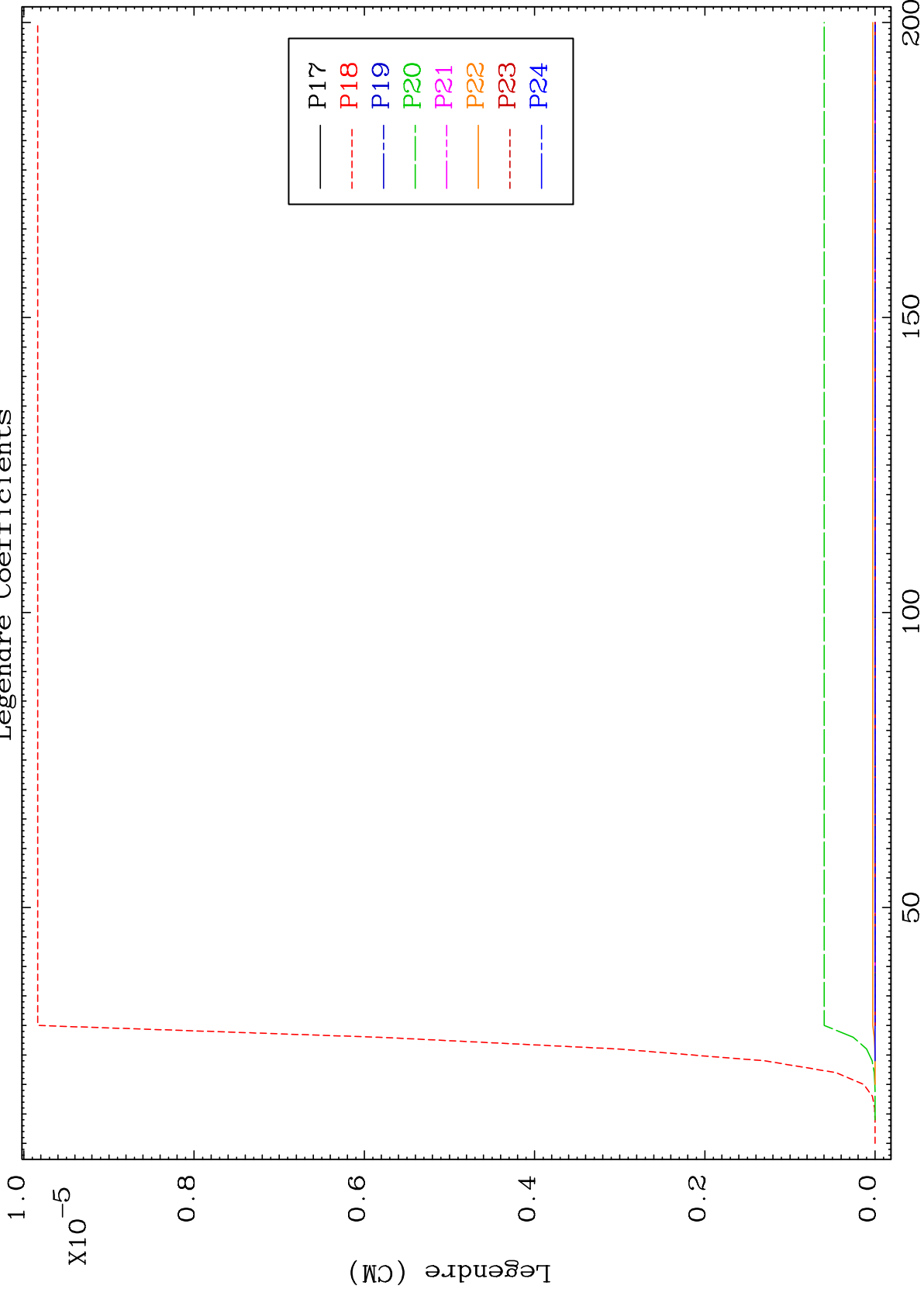
Incident Energy (MeV)

96

MAT 5928

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

59-Pr-142



59-Pr-142

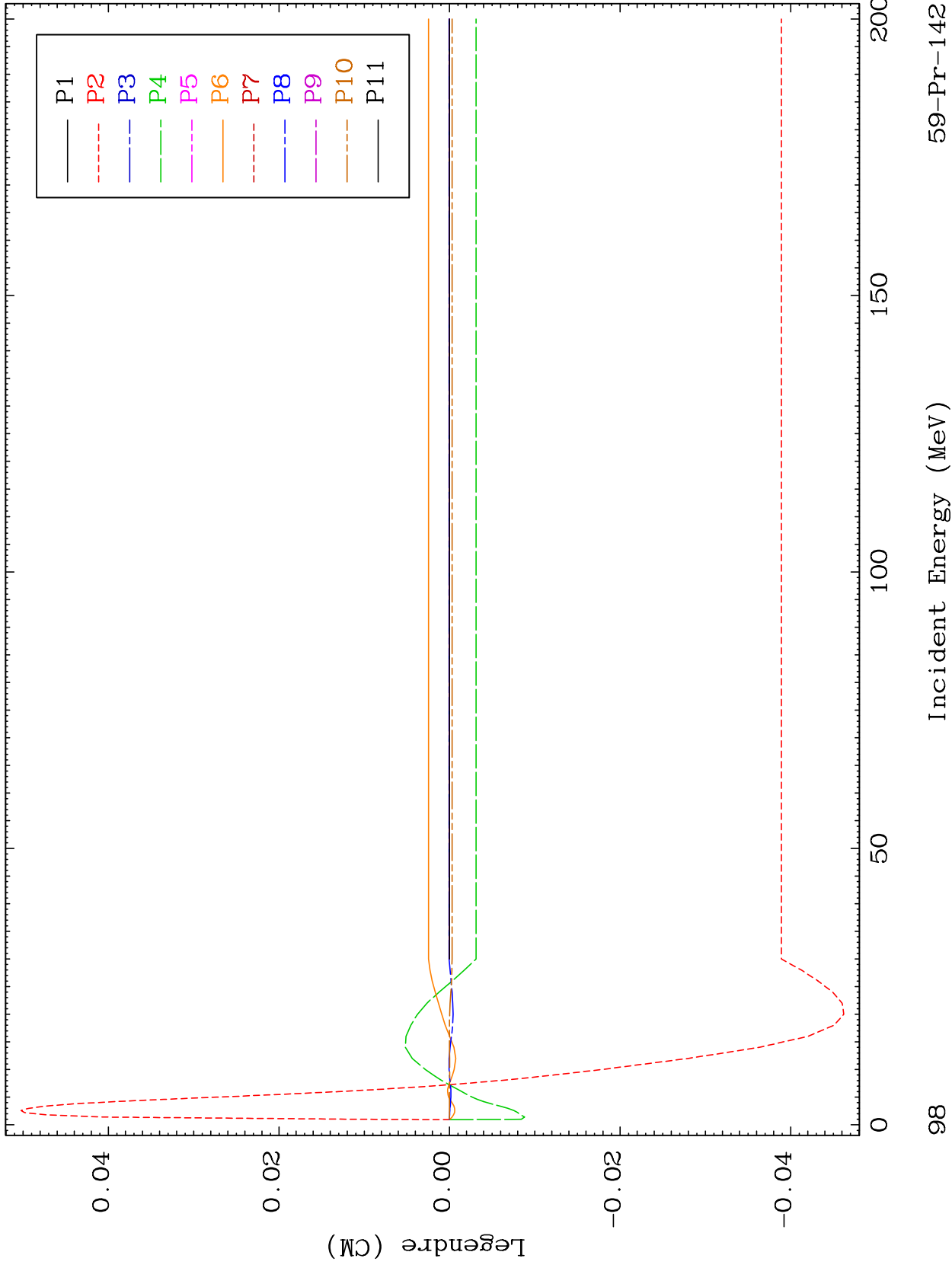
Incident Energy (MeV)

97

MAT 5928

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

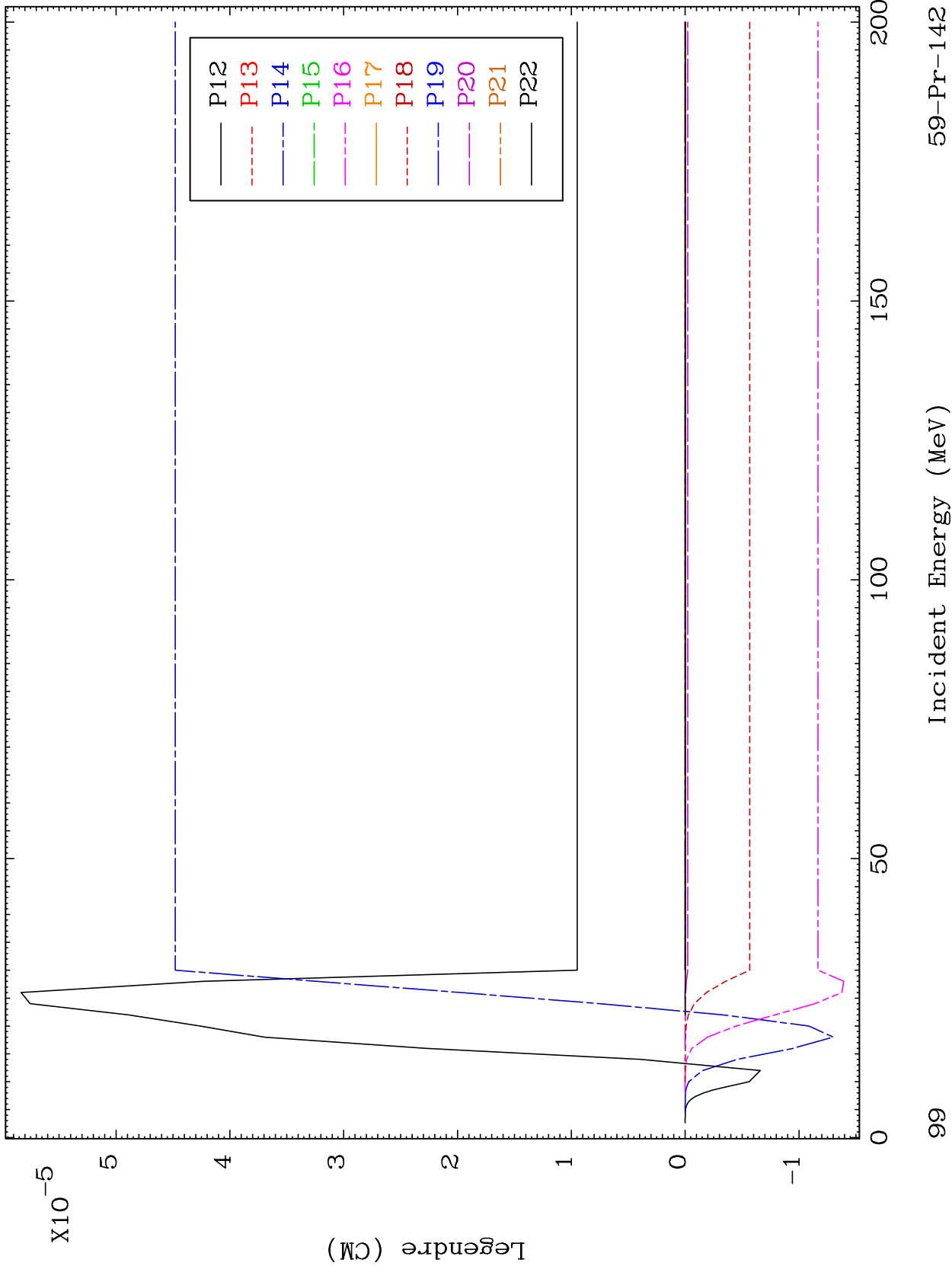
59-Pr-142



59-Pr-142

Incident Energy (MeV)

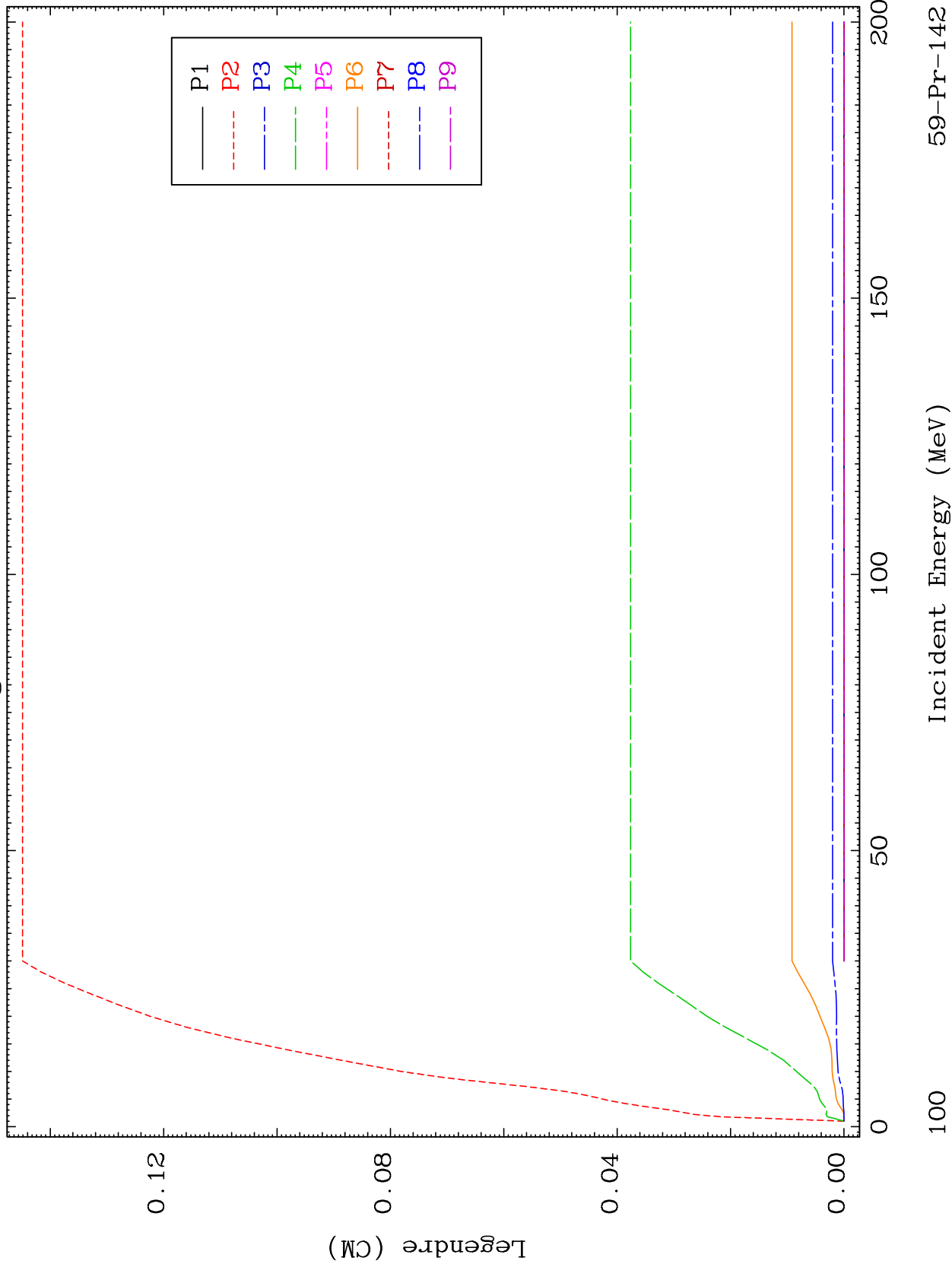
98



MAT 5928

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

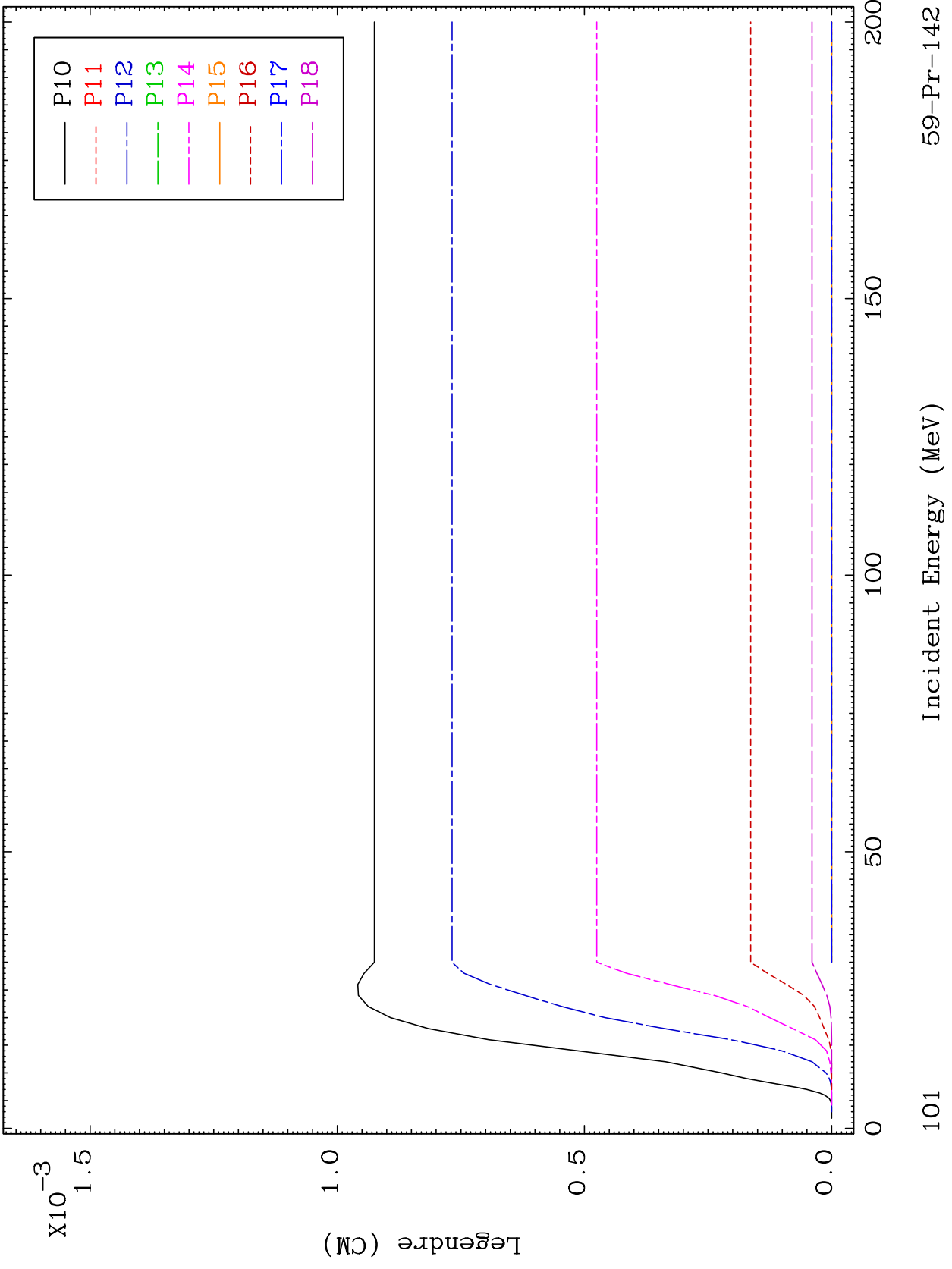
59-Pr-142



MAT 5928

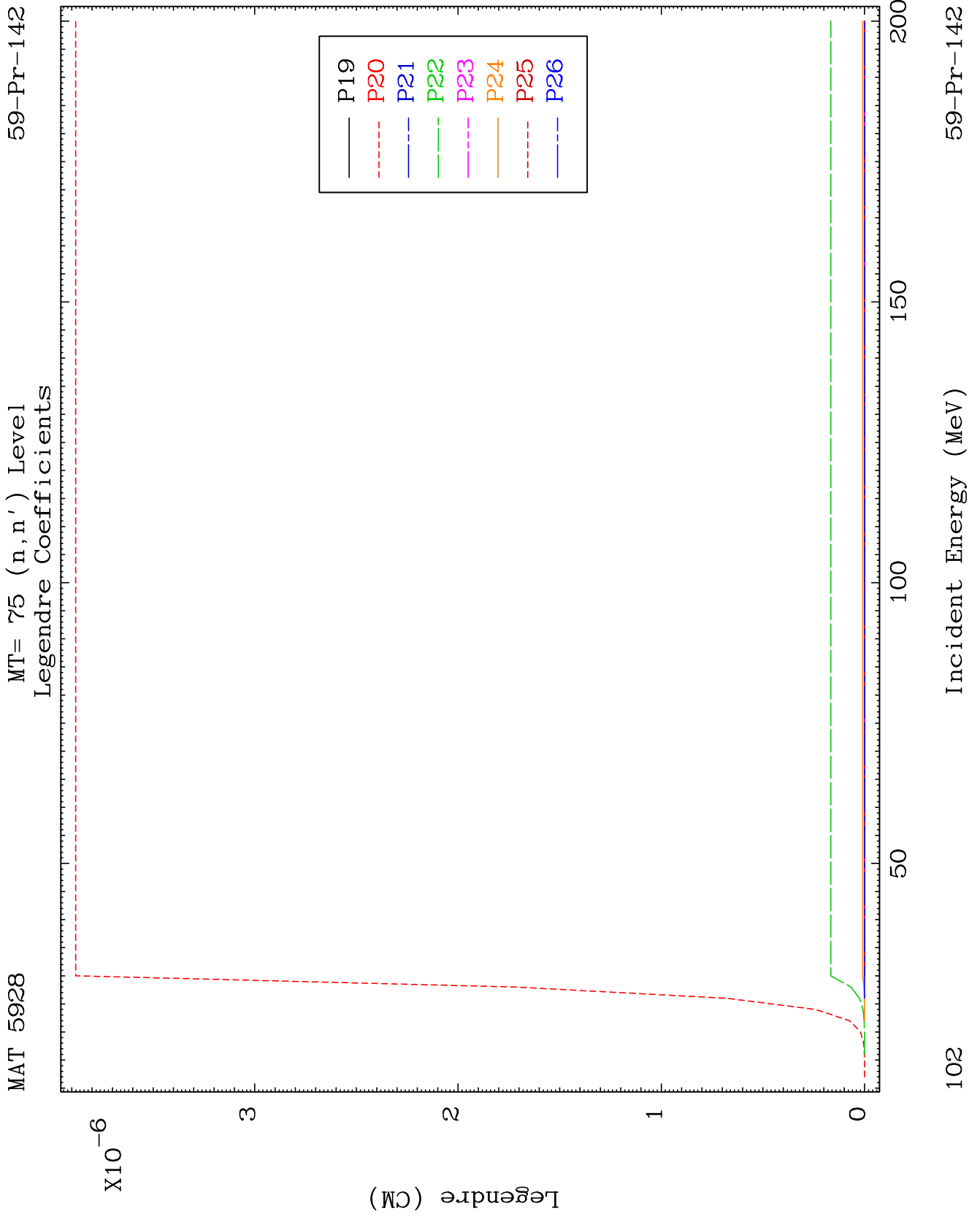
MT= 75 (n,n') Level  
Legendre Coefficients

59-Pr-142



101

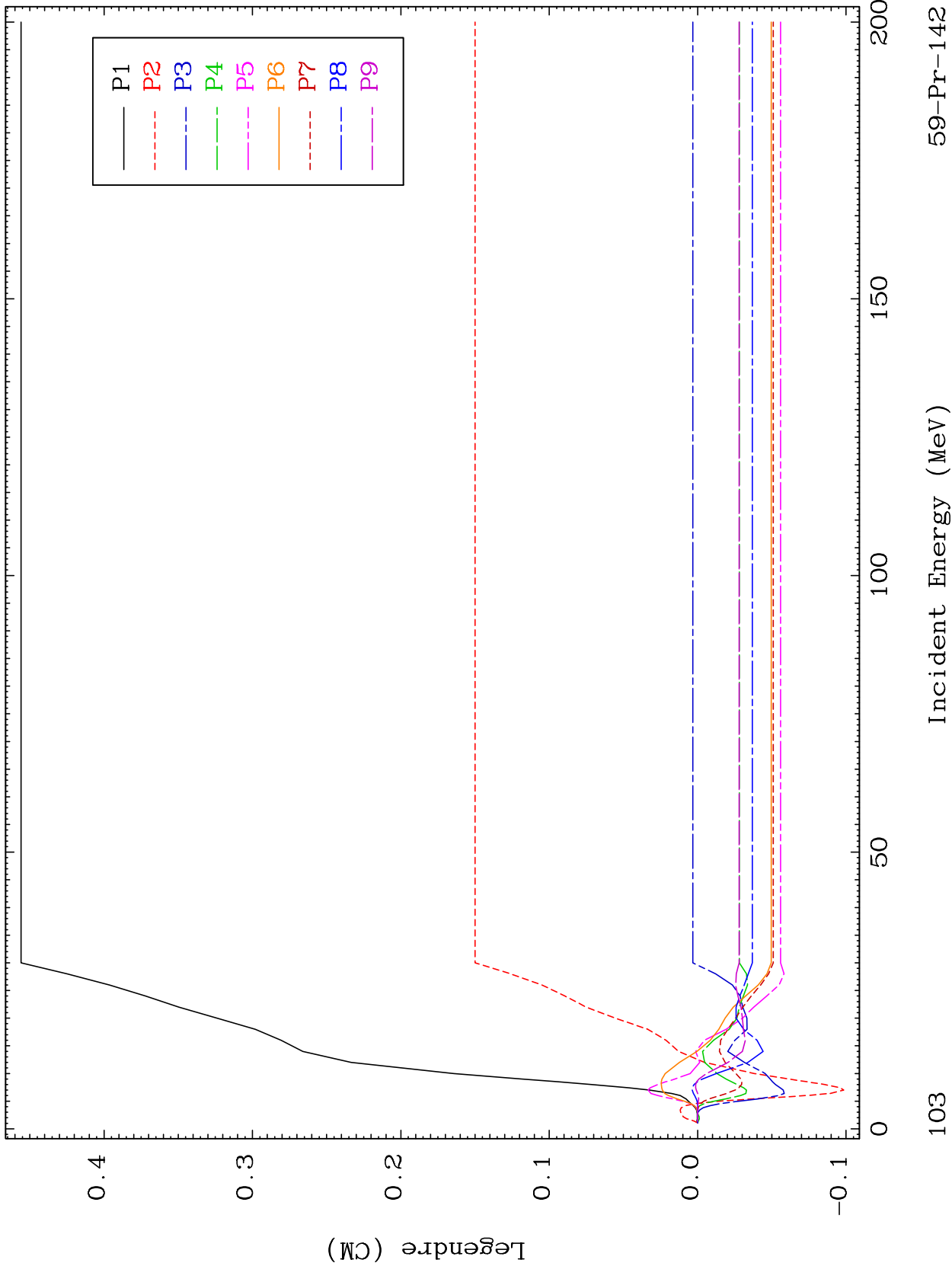
59-Pr-142



MAT 5928

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

59-Pr-142



59-Pr-142

Incident Energy (MeV)

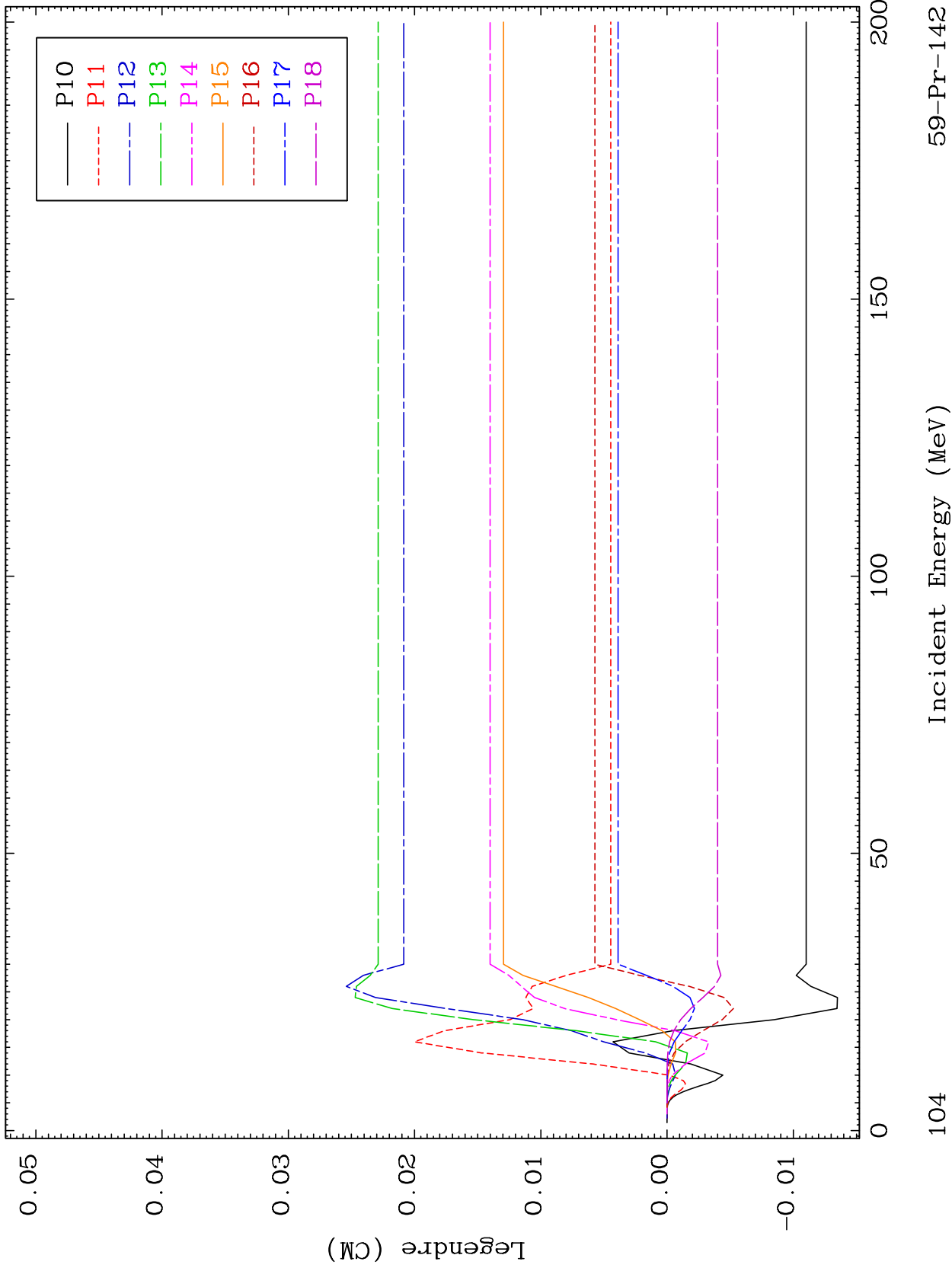
103



MAT 5928

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

59-Pr-142



59-Pr-142

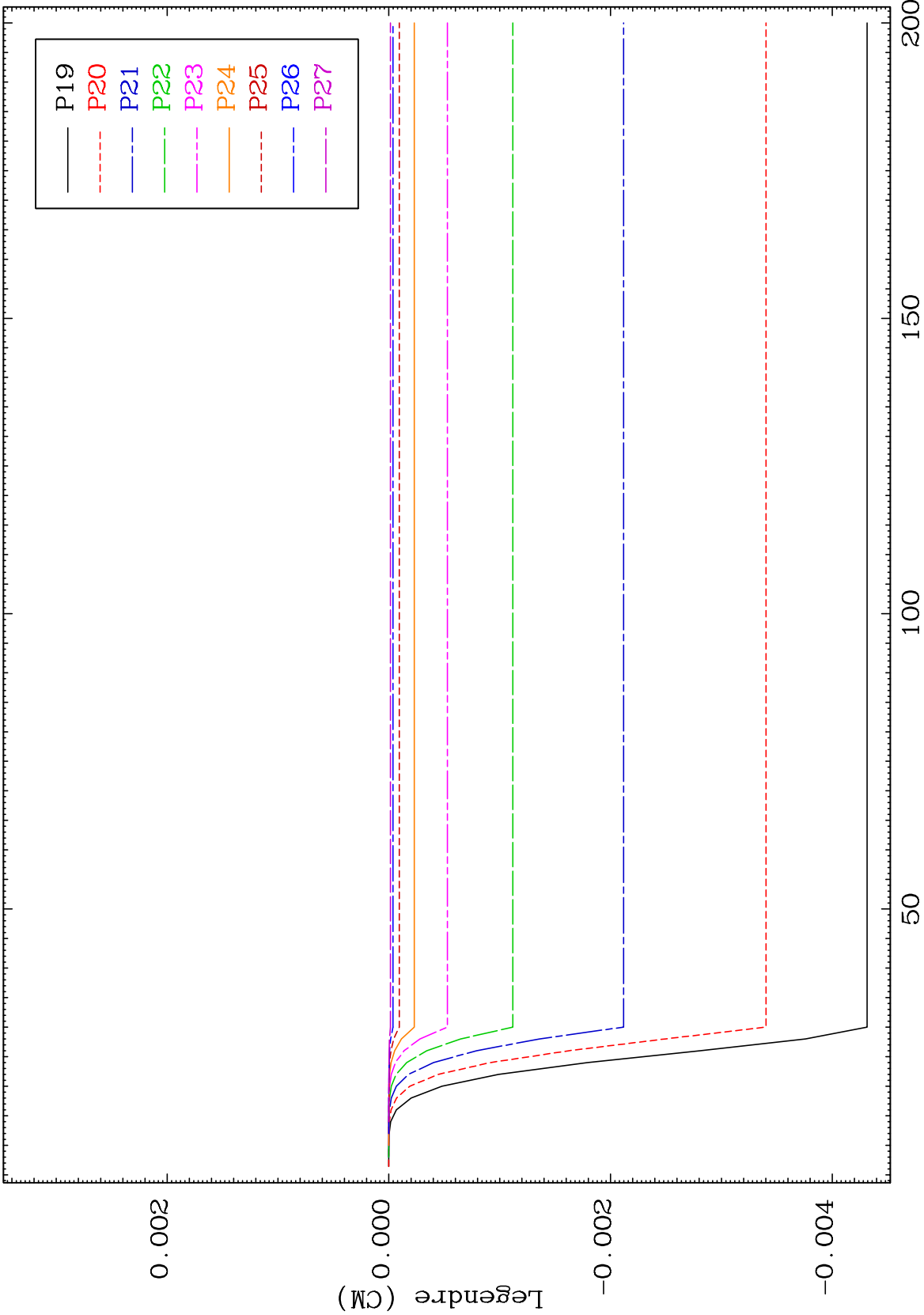
Incident Energy (MeV)

104

MAT 5928

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

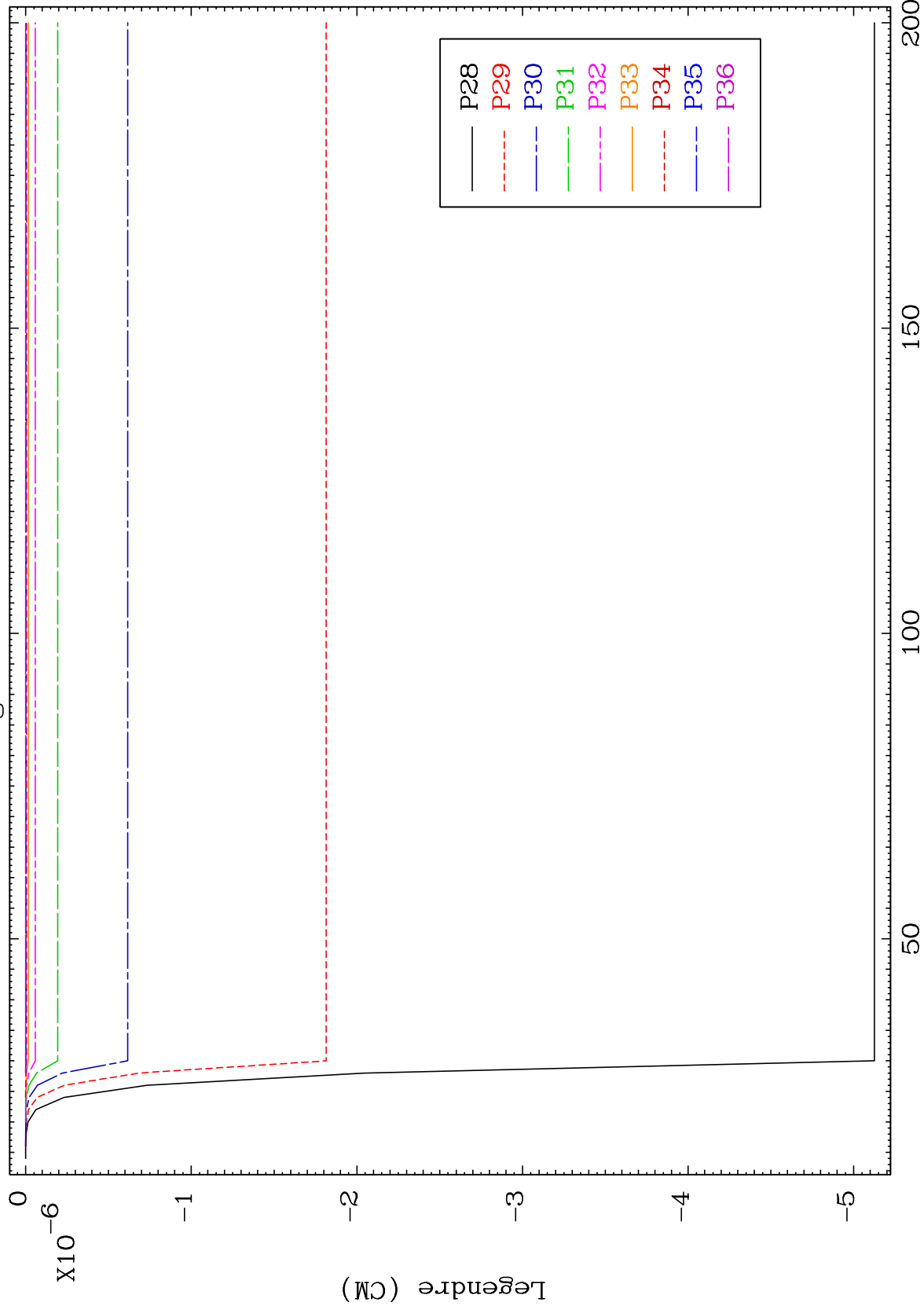
59-Pr-142



105

Incident Energy (MeV)

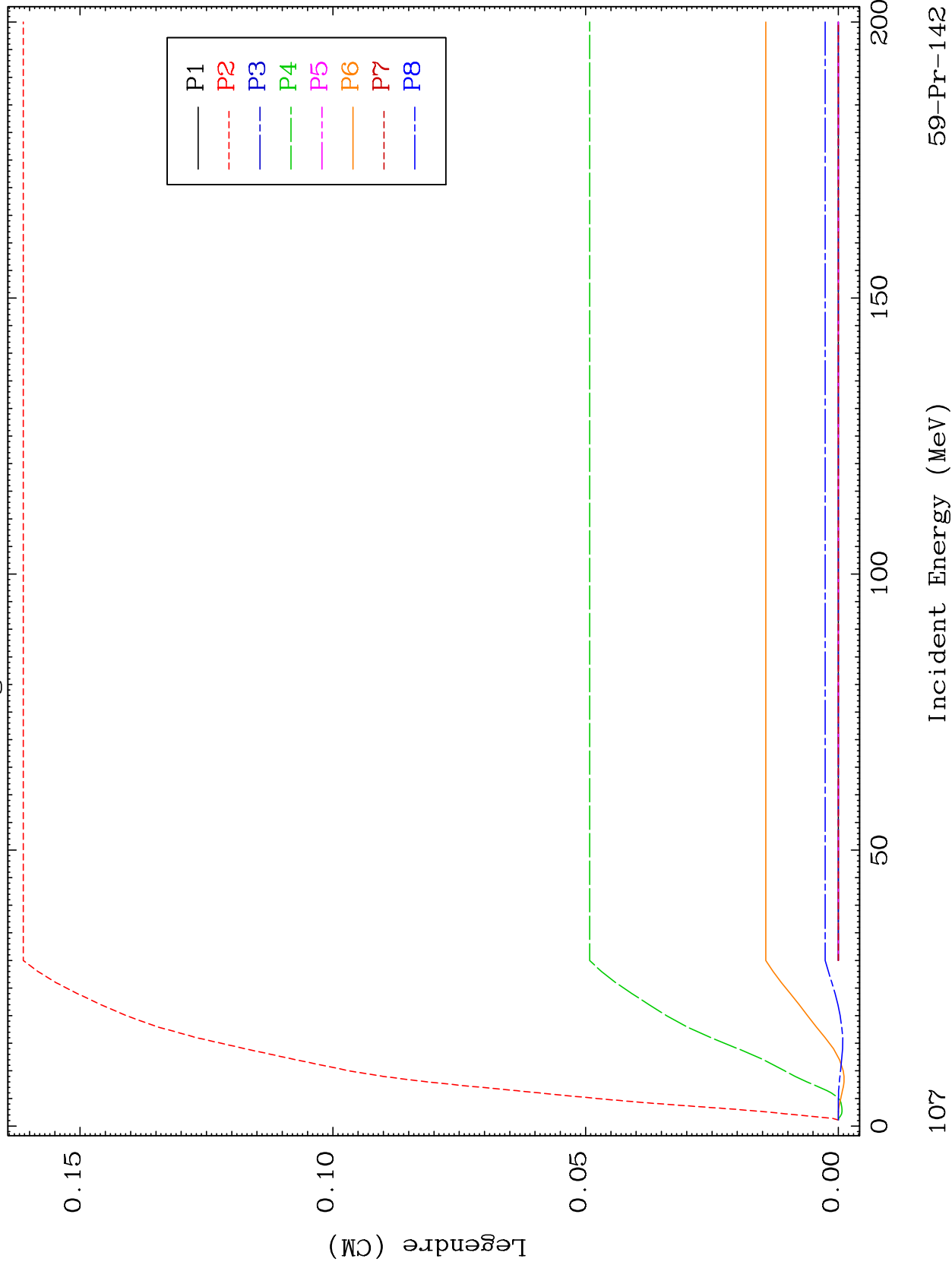
59-Pr-142



MAT 5928

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

59-Pr-142



59-Pr-142

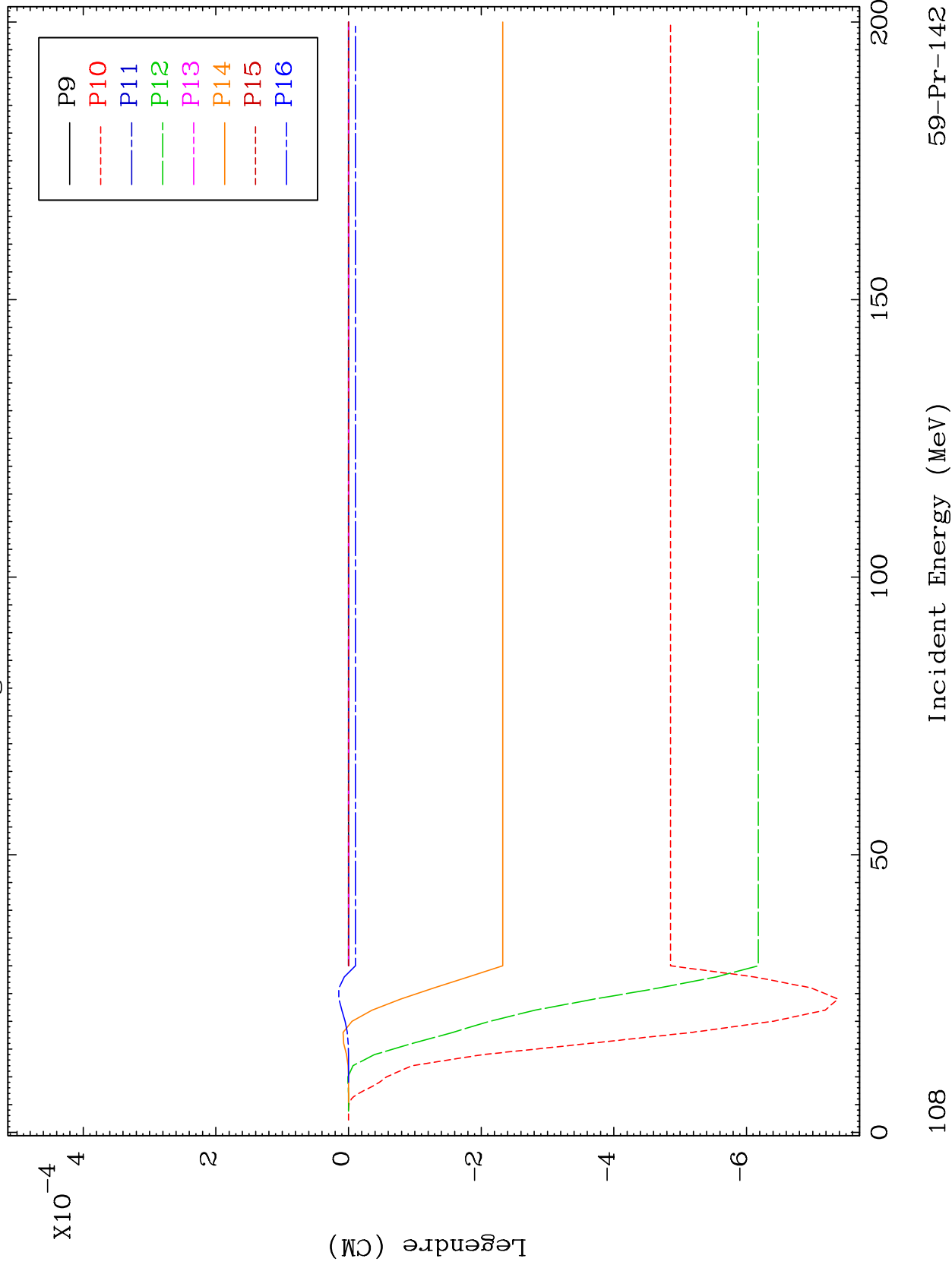
Incident Energy (MeV)

107

MAT 5928

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

59-Pr-142



59-Pr-142

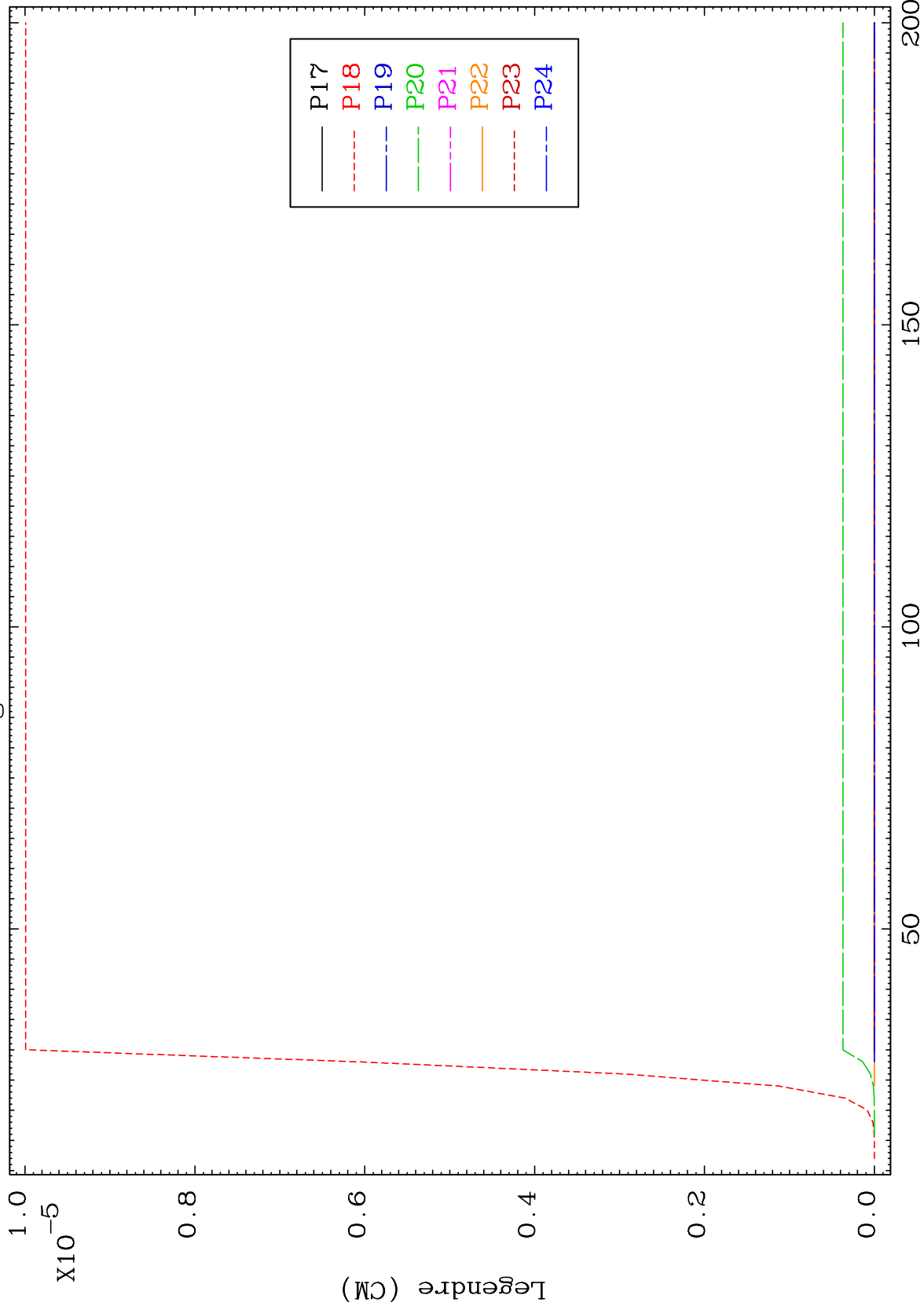
Incident Energy (MeV)

108

MAT 5928

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

59-Pr-142



109

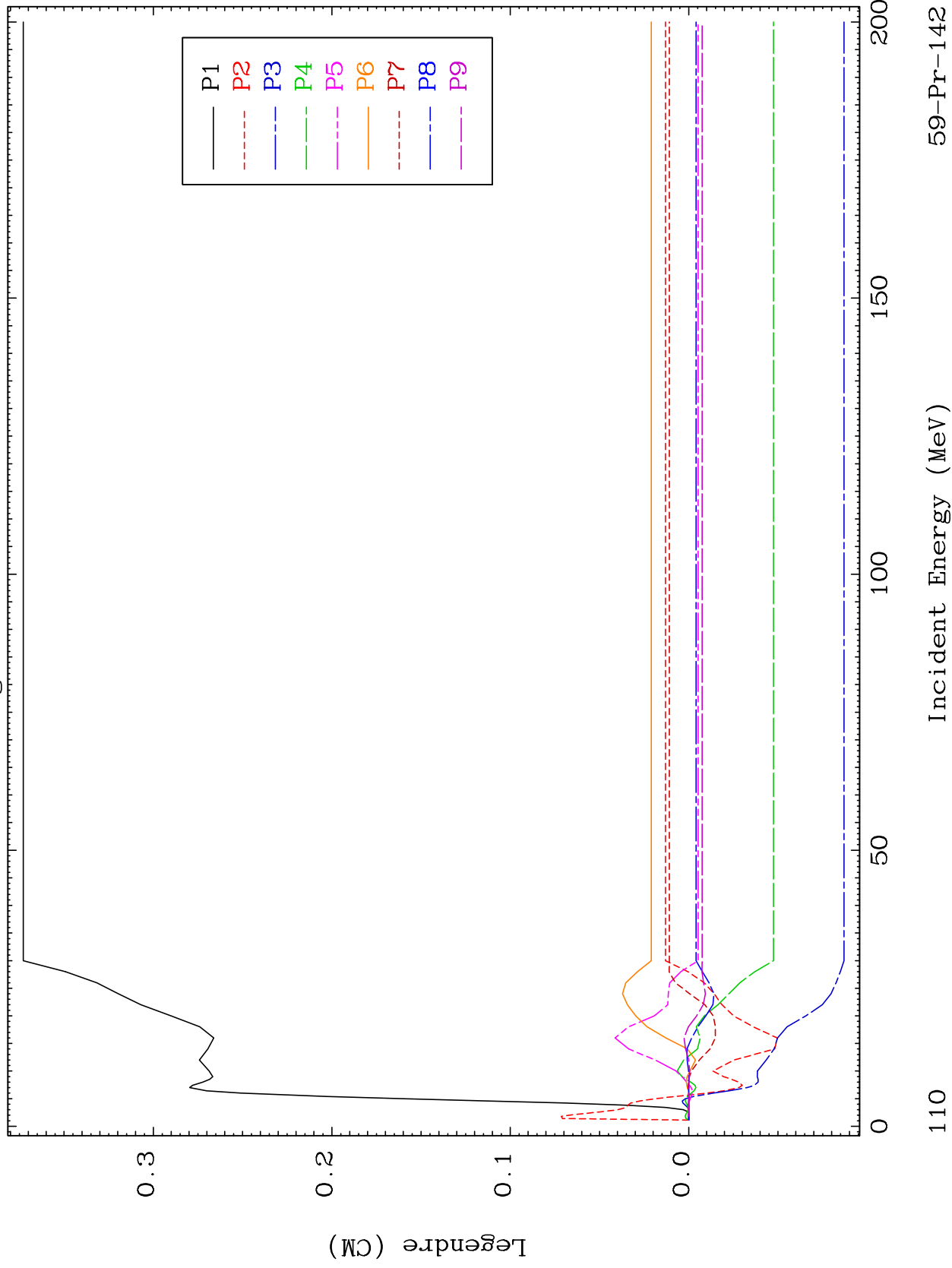
Incident Energy (MeV)

59-Pr-142

MAT 5928

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

59-Pr-142



59-Pr-142

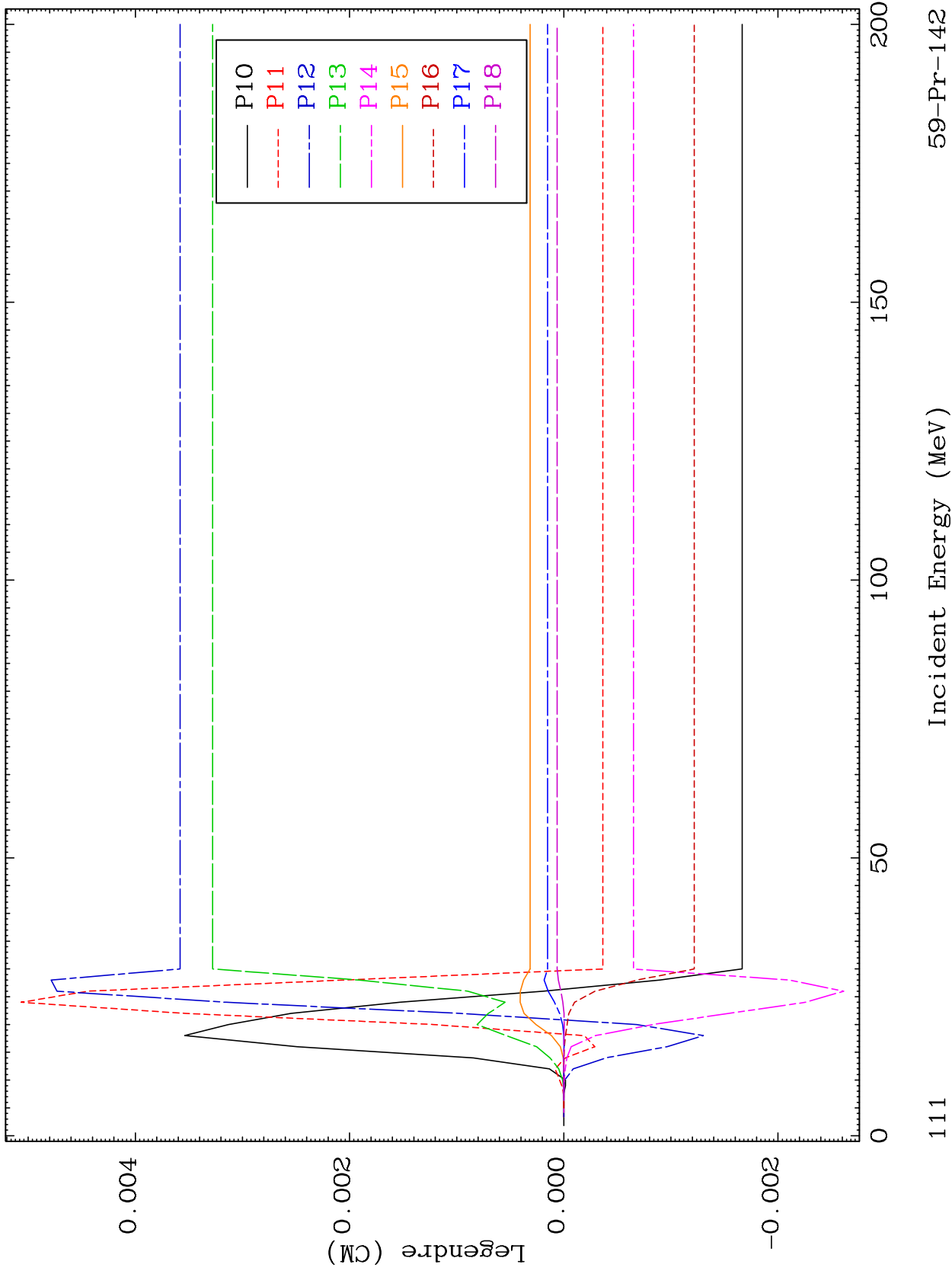
Incident Energy (MeV)

110

MAT 5928

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

59-Pr-142



111

Incident Energy (MeV)

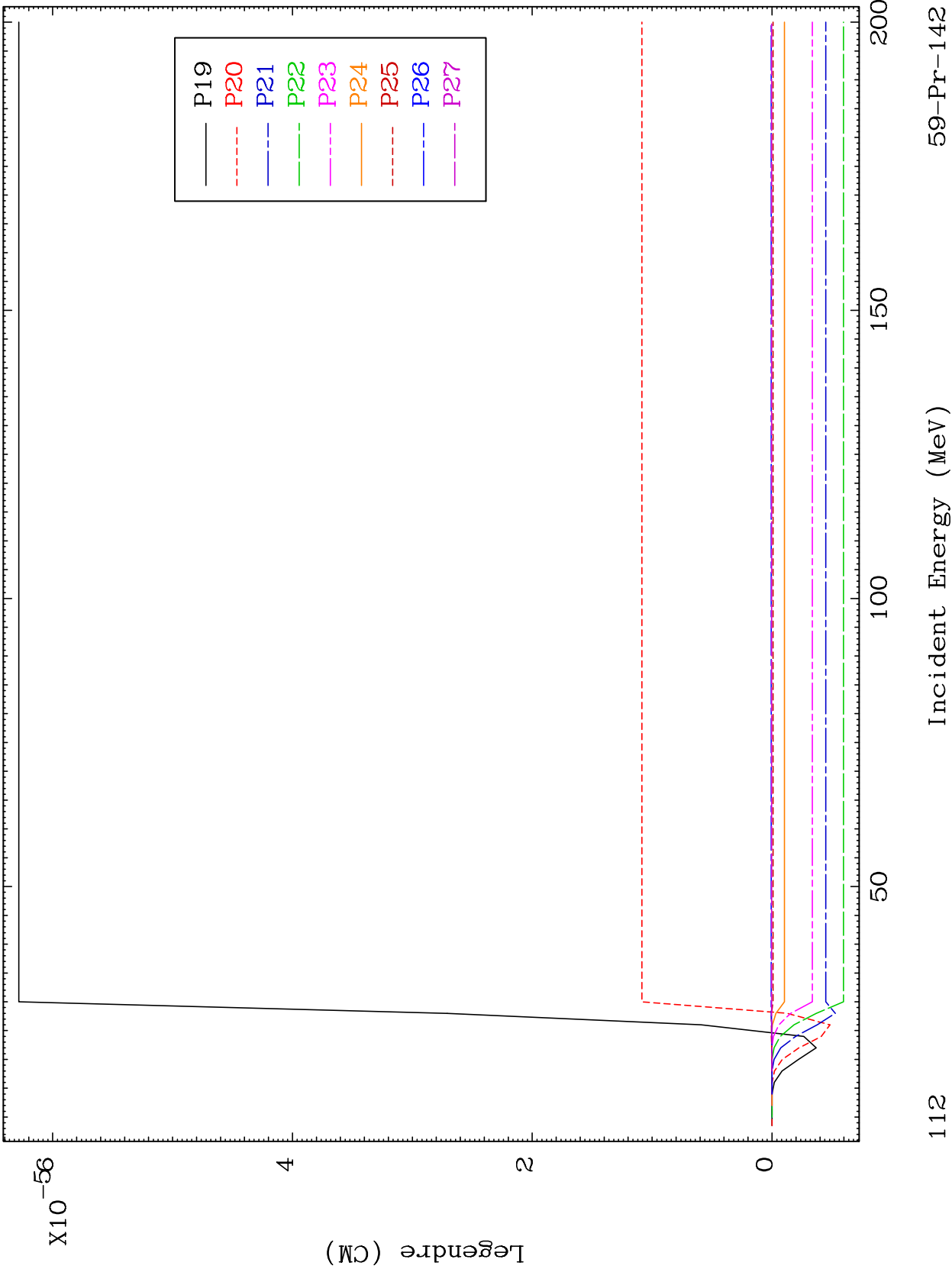
59-Pr-142



MAT 5928

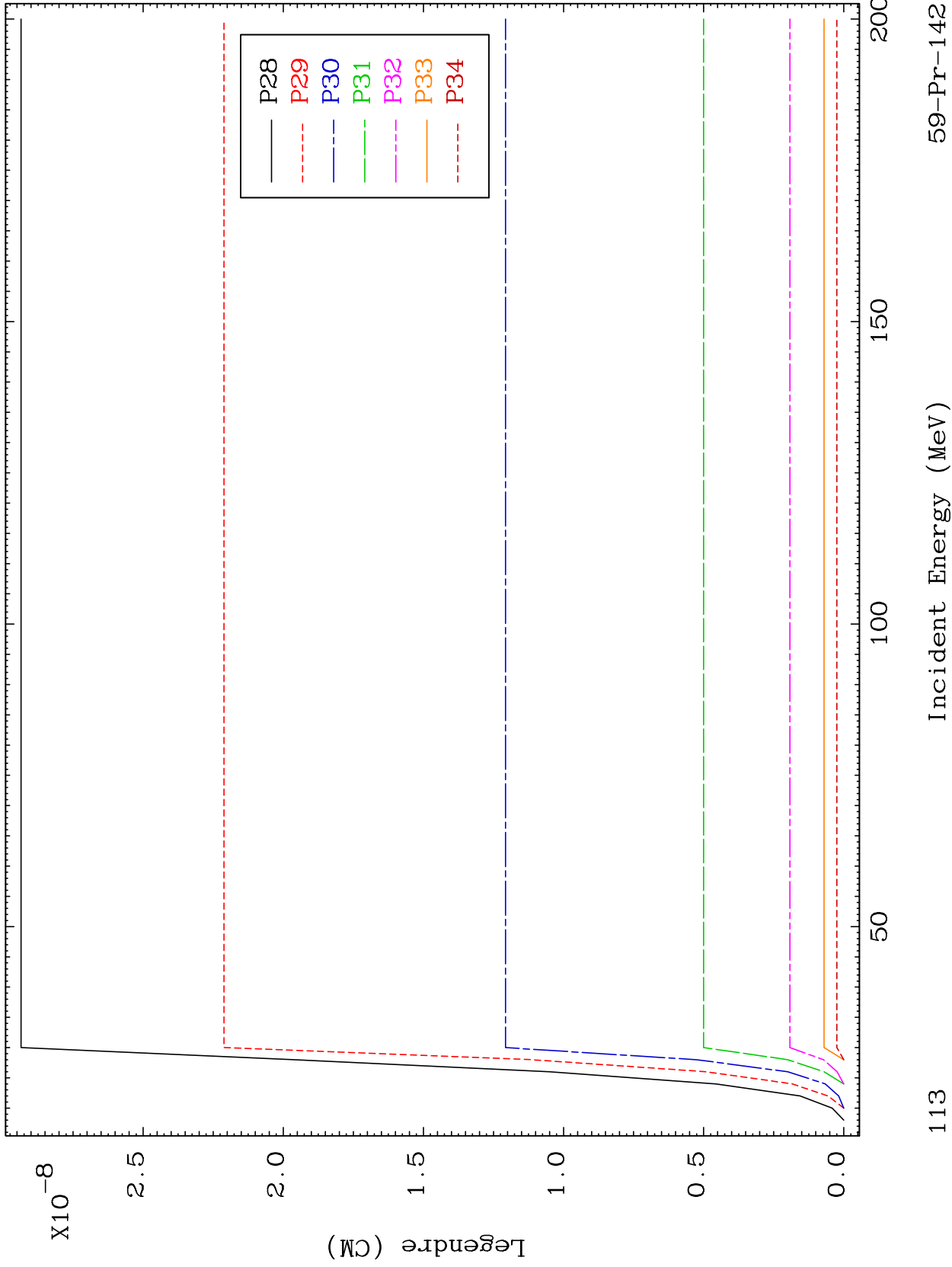
MT= 78 (n,n') Level  
Legendre Coefficients

59-Pr-142



112

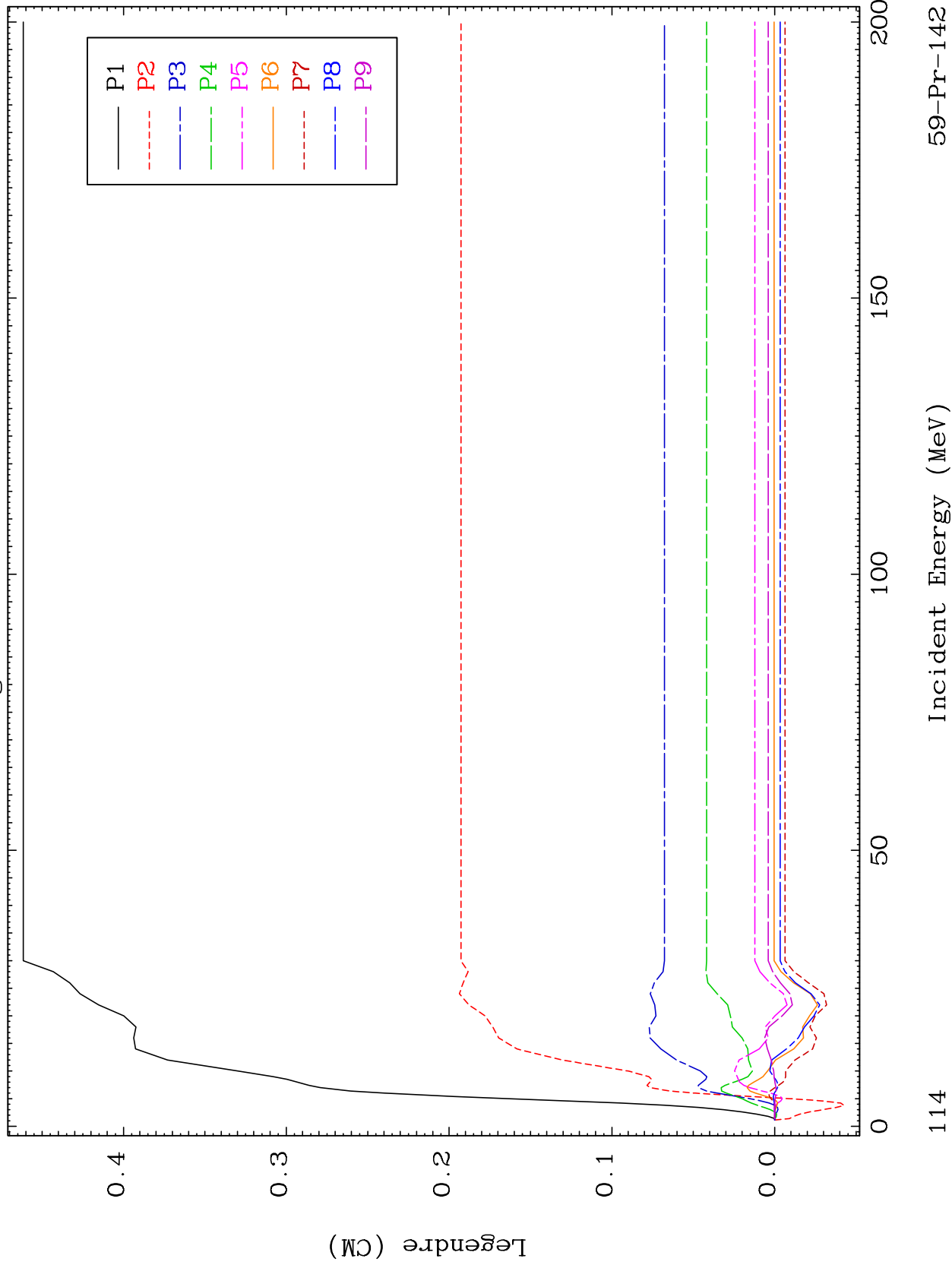
59-Pr-142



MAT 5928

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

59-Pr-142



59-Pr-142

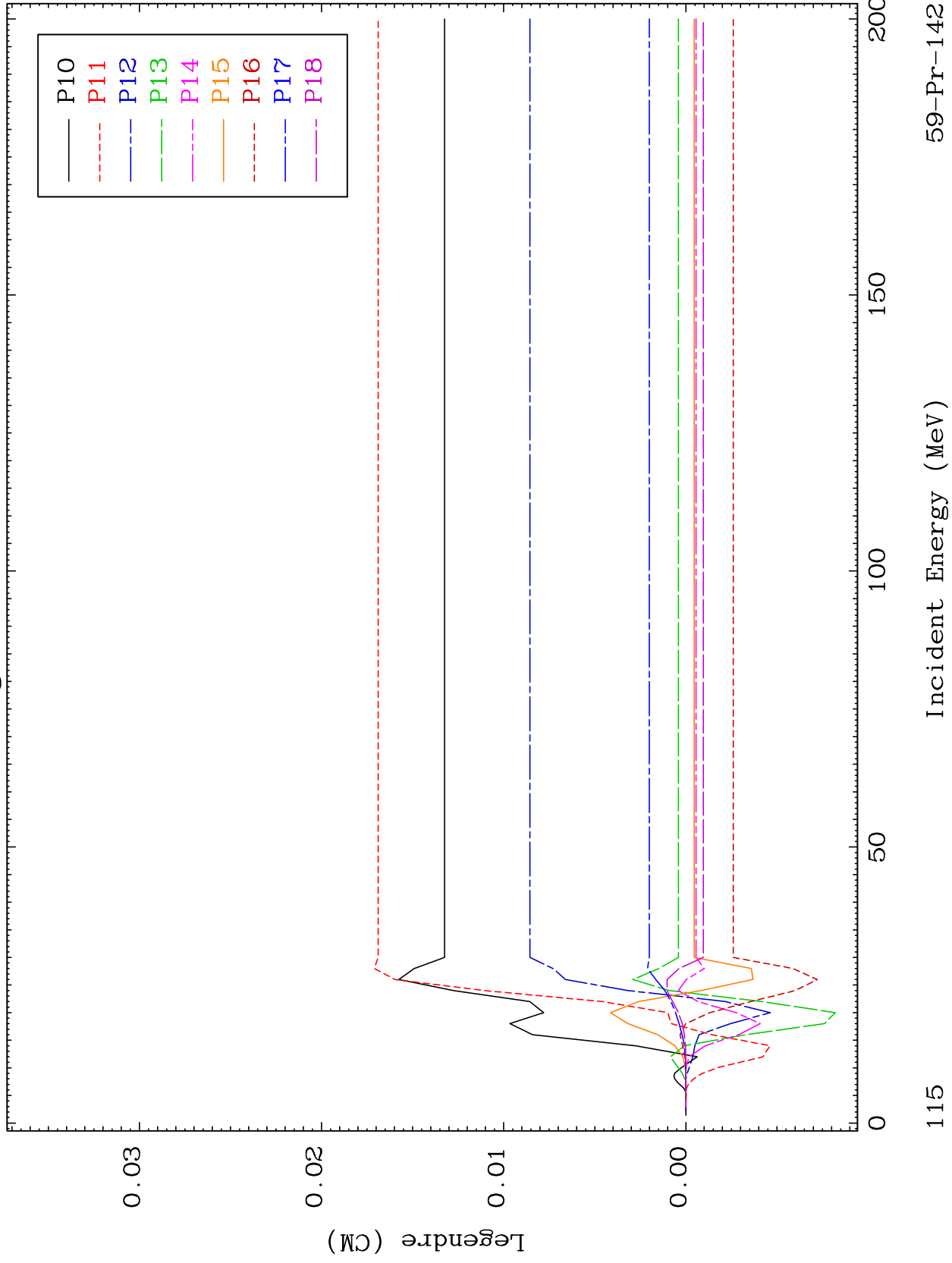
Incident Energy (MeV)

114

MAT 5928

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

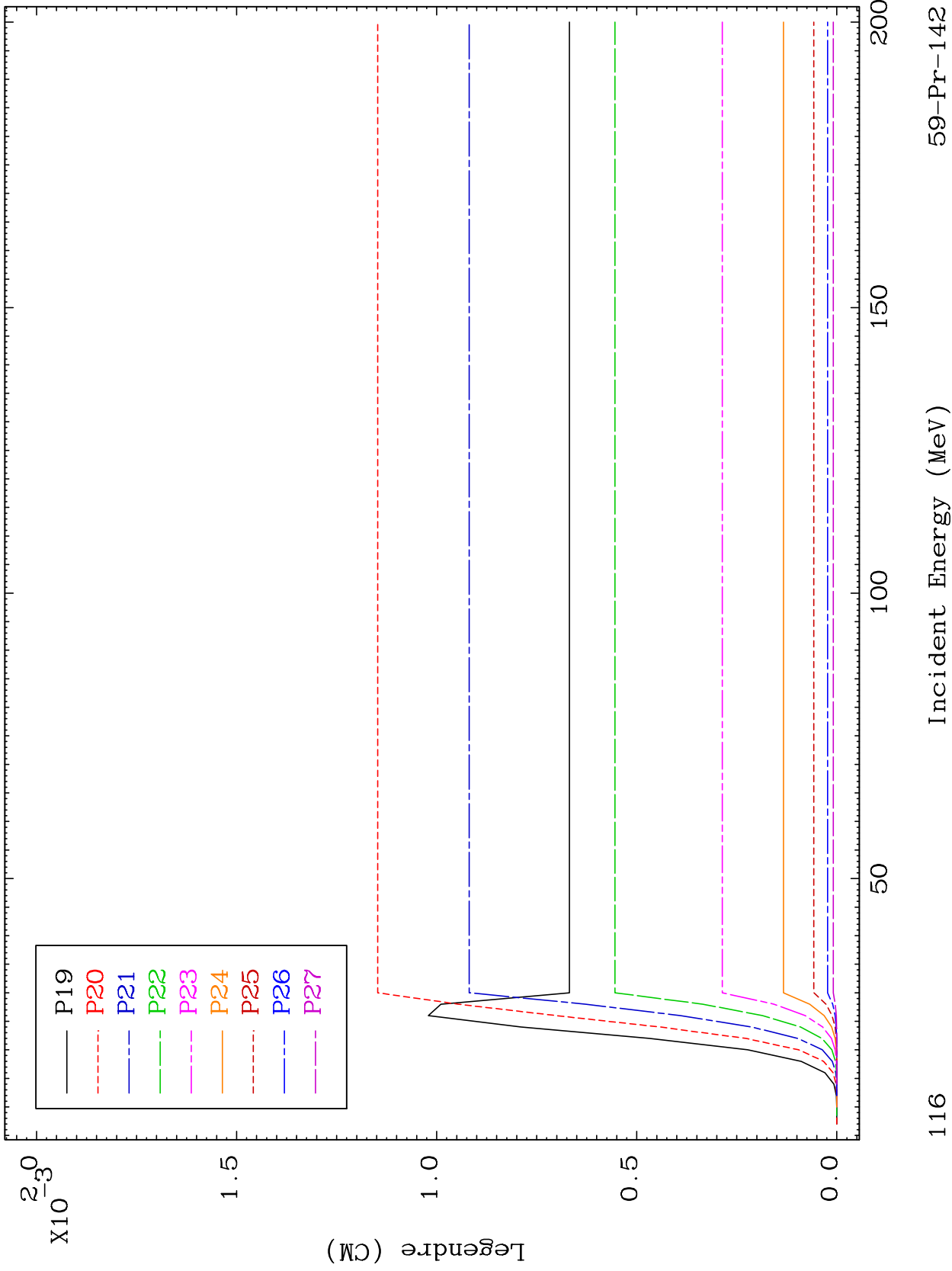
59-Pr-142



59-Pr-142

Incident Energy (MeV)

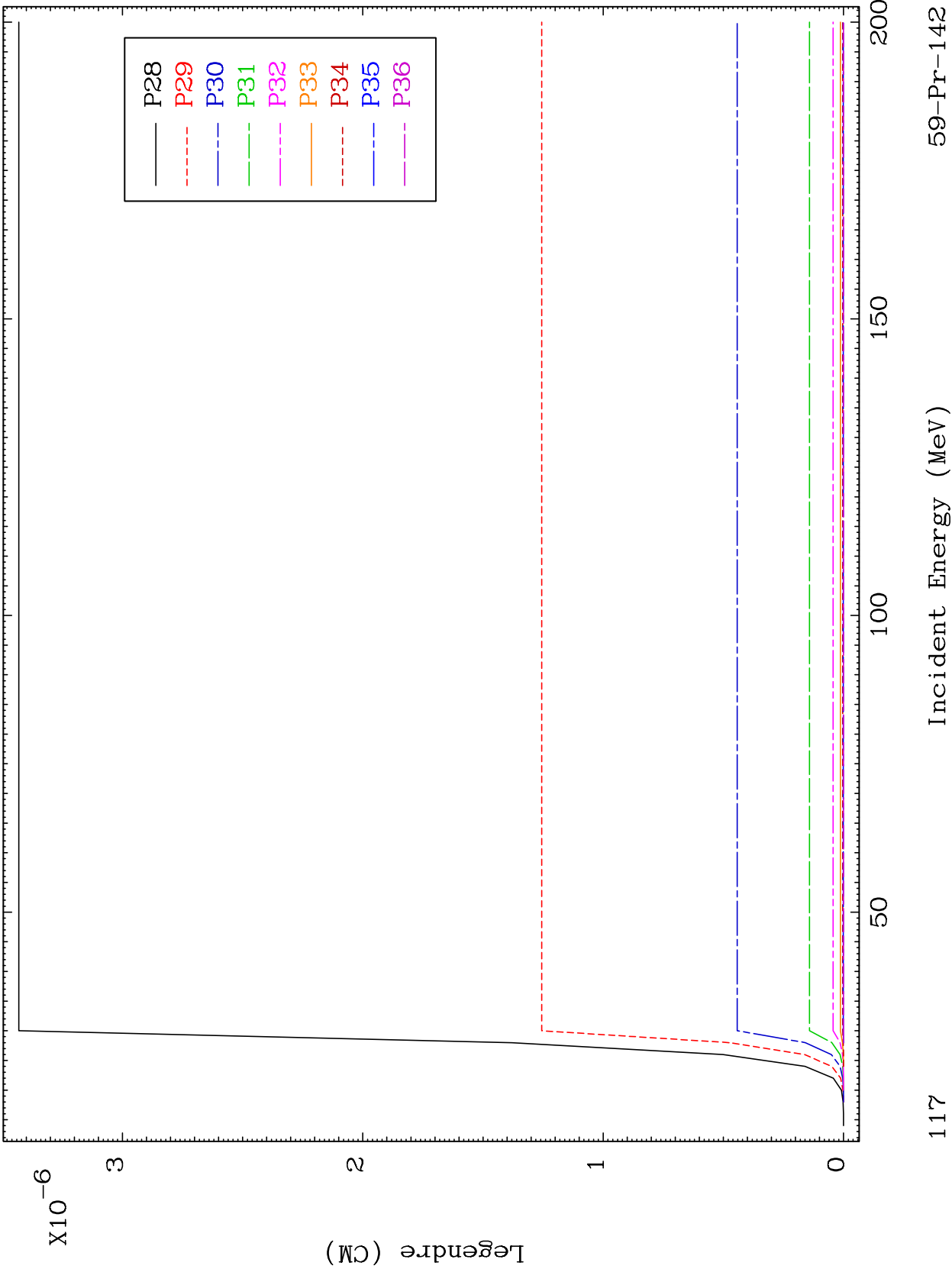
115



MAT 5928

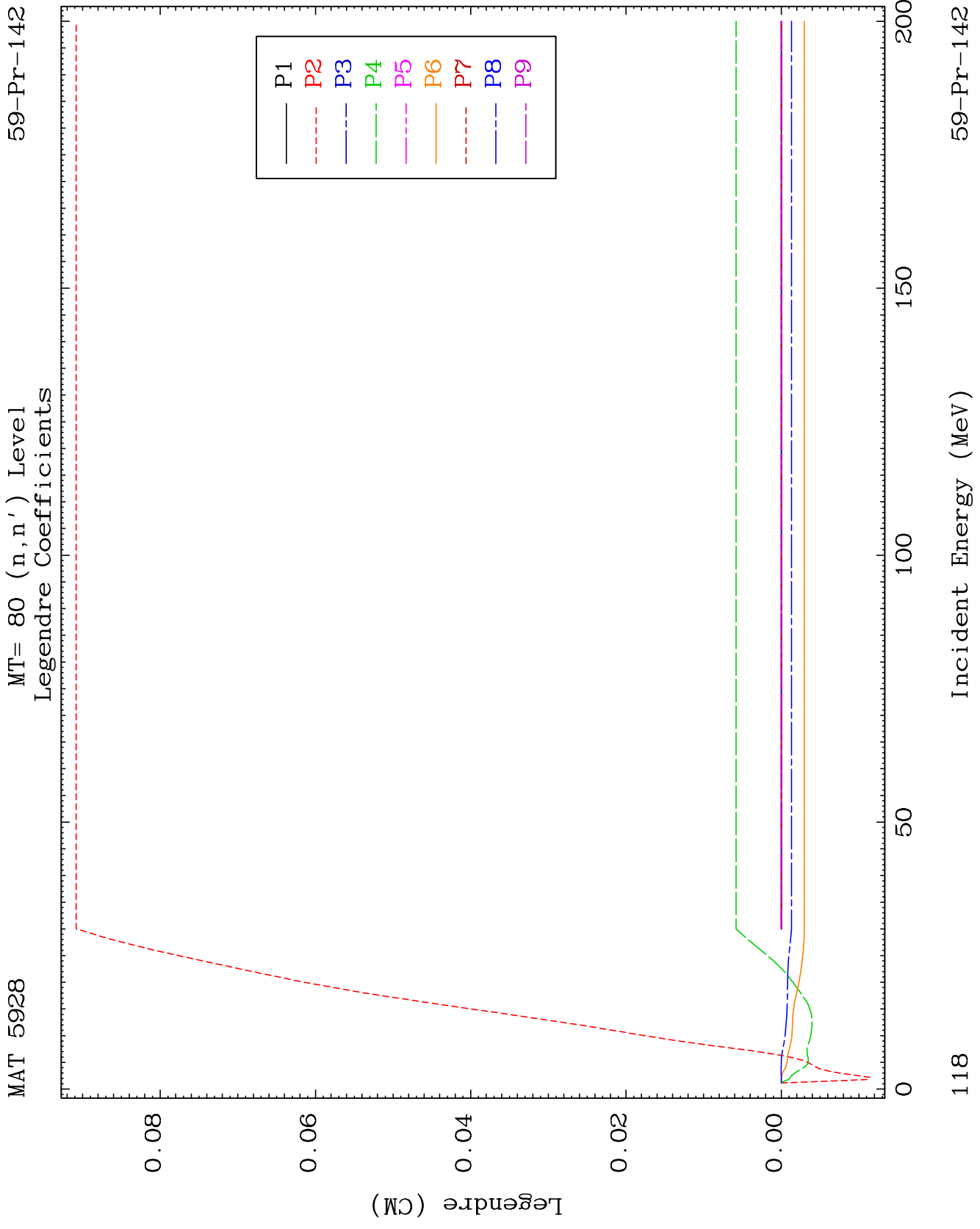
MT= 79 (n,n') Level  
Legendre Coefficients

59-Pr-142



117

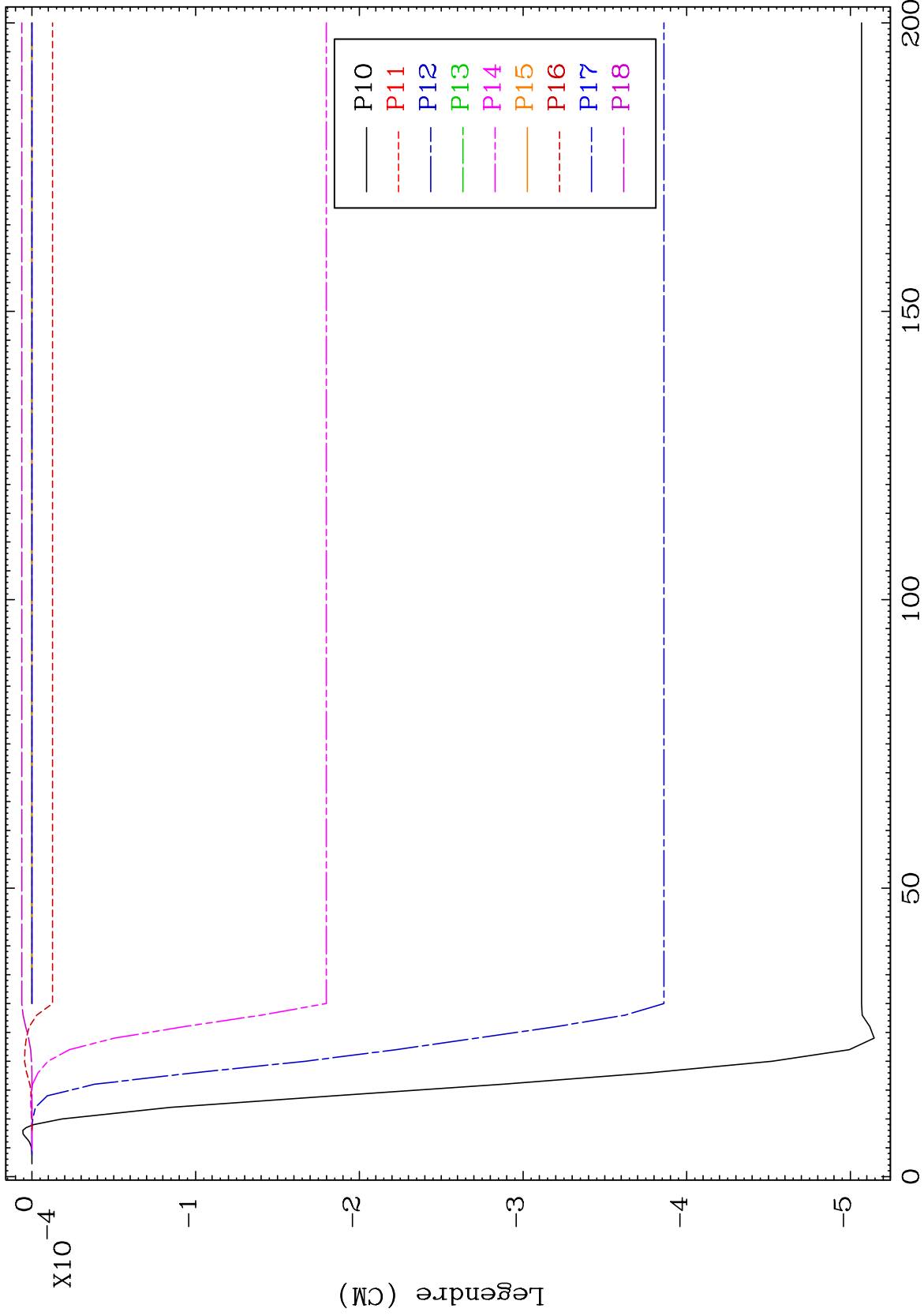
59-Pr-142



MAT 5928

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

59-Pr-142



119

Incident Energy (MeV)

59-Pr-142

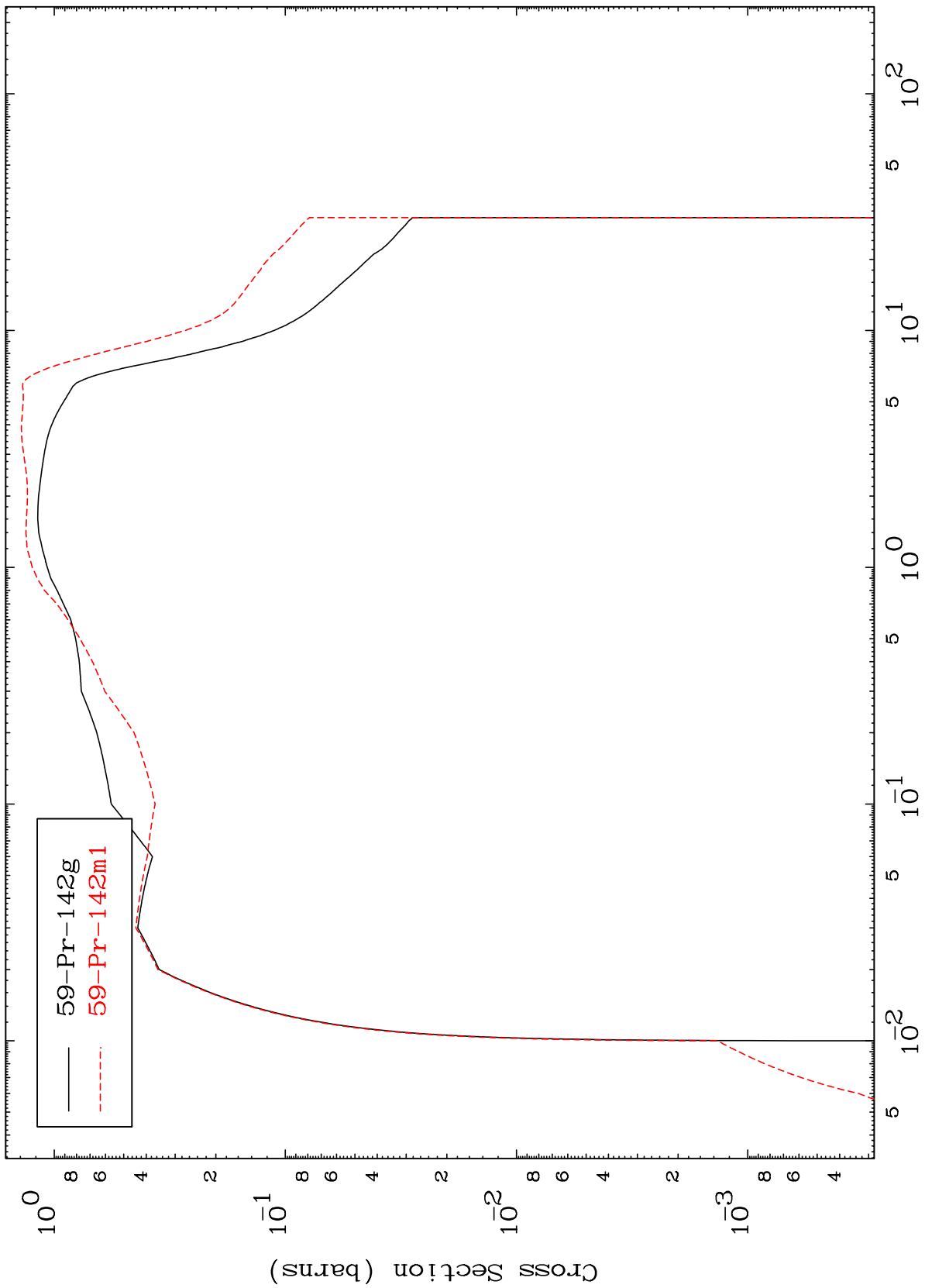




MAT 5928

59-Pr-142

Inelastic  
Radionuclide Production Cross Section



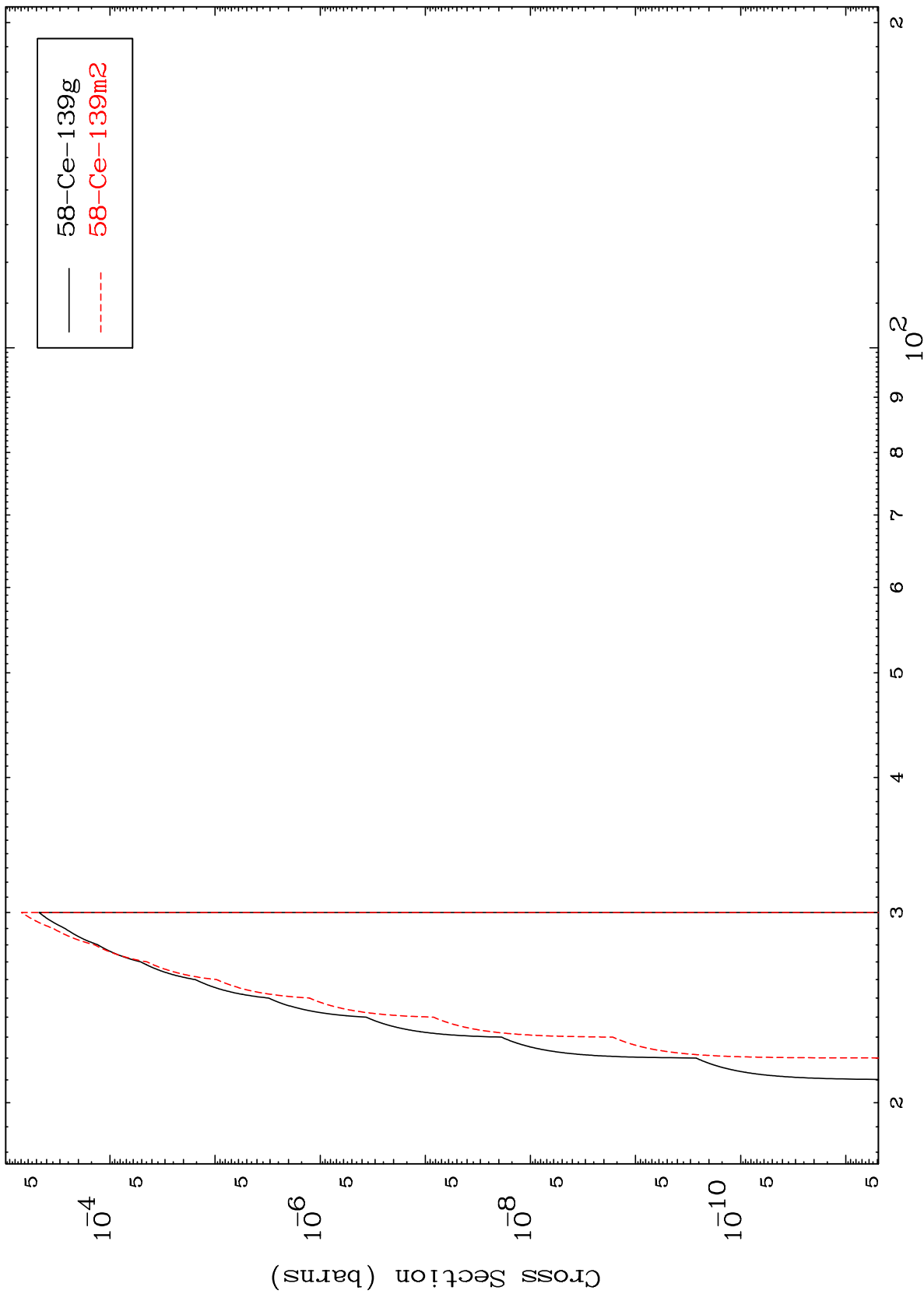
59-Pr-142g  
59-Pr-142m1

59-Pr-142

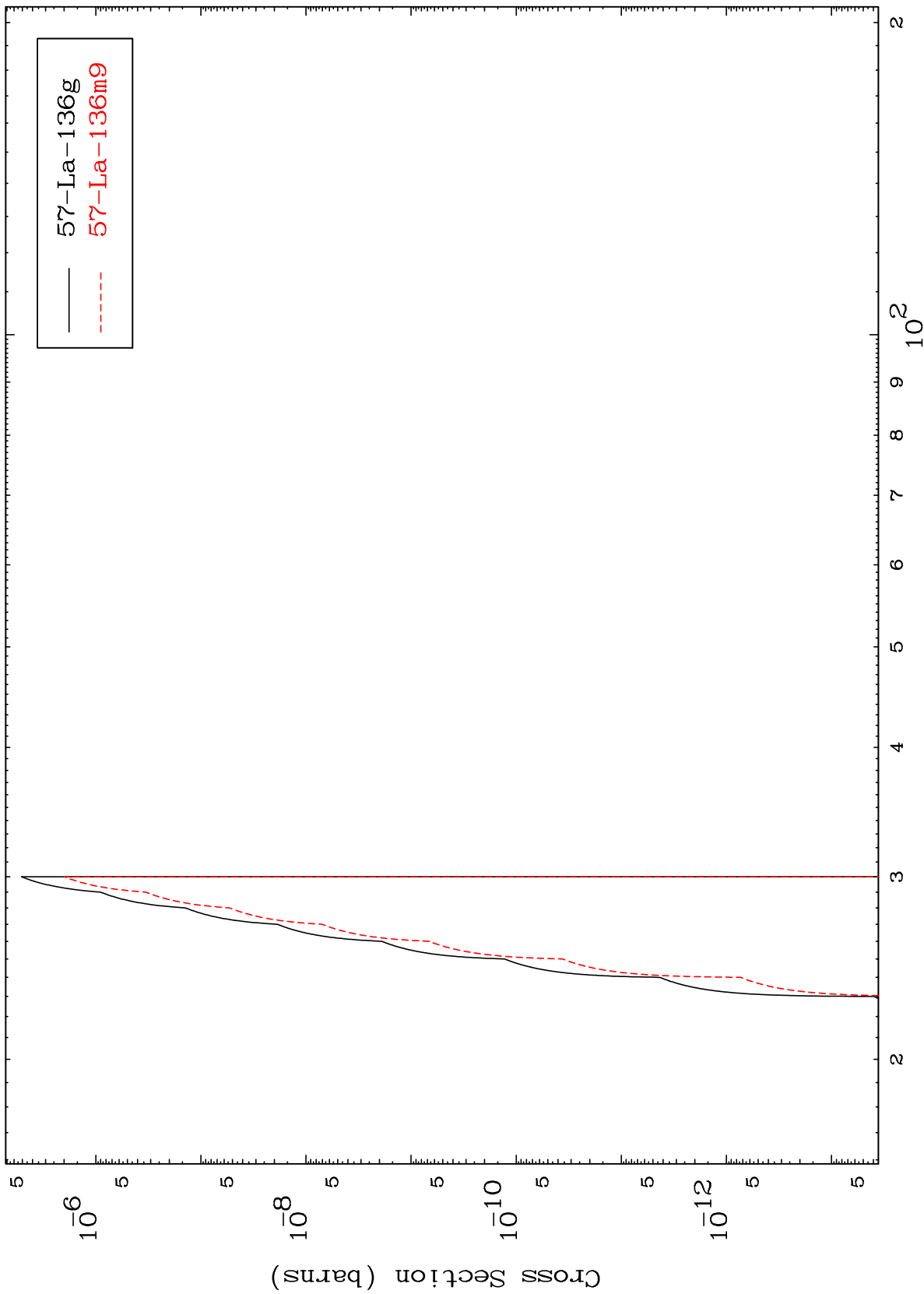
Incident Energy (MeV)

121

Radionuclide Production Cross Section



Radionuclide Production Cross Section



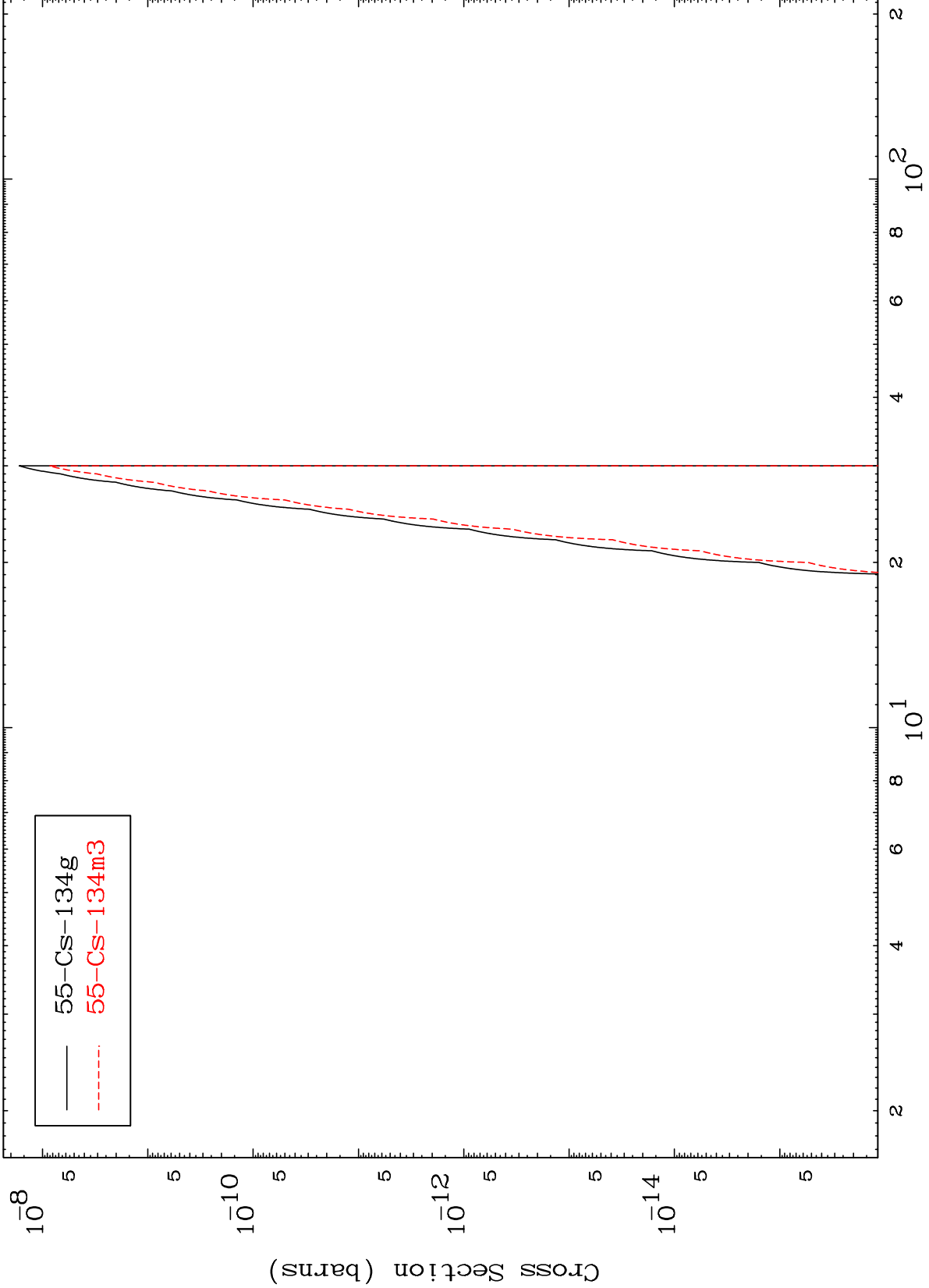
57-La-136g  
57-La-136m9

MAT 5928

(n,n') 2α

59-Pr-142

Radionuclide Production Cross Section



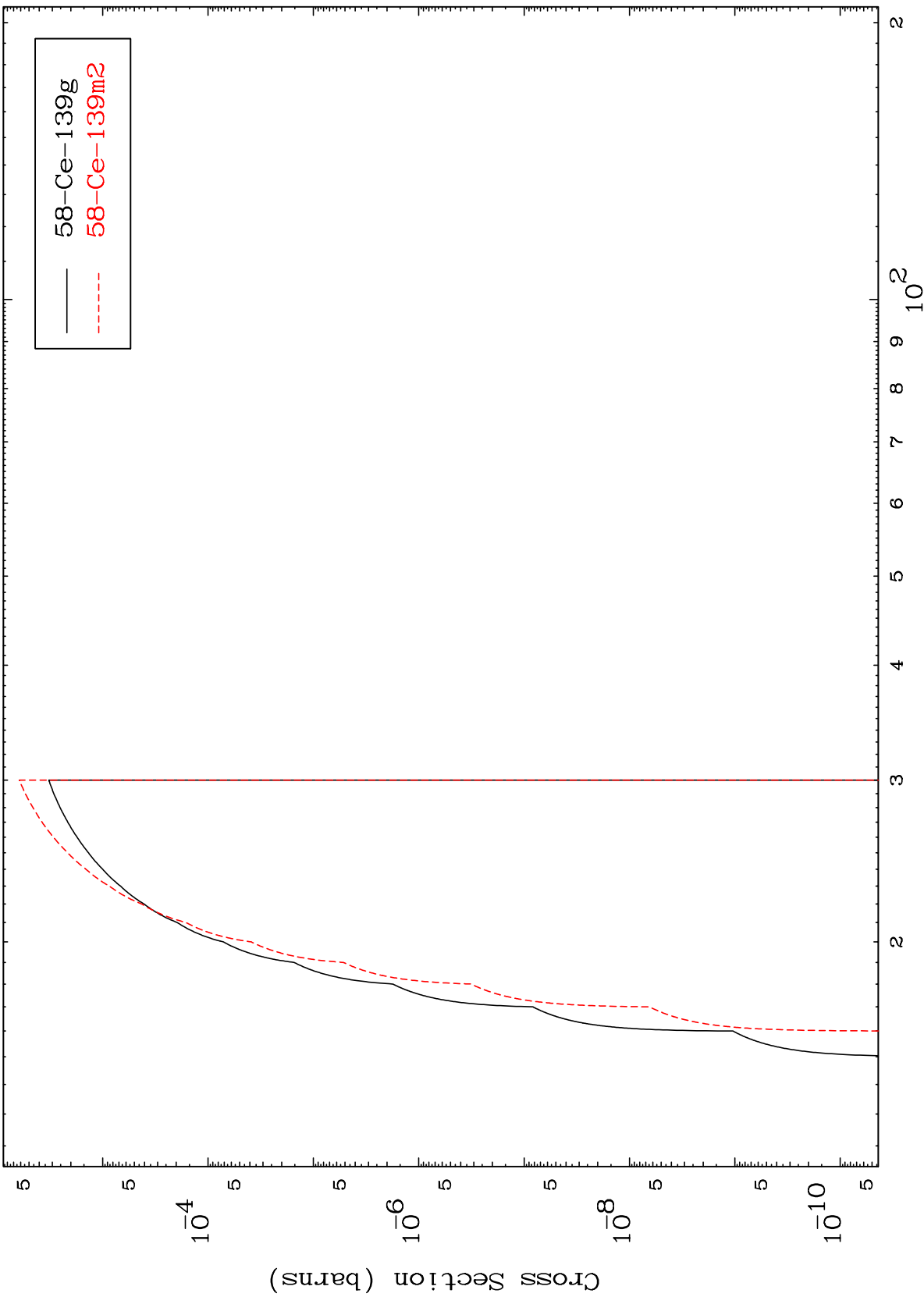
— 55-Cs-134g  
- - - 55-Cs-134m3

124

Incident Energy (MeV)

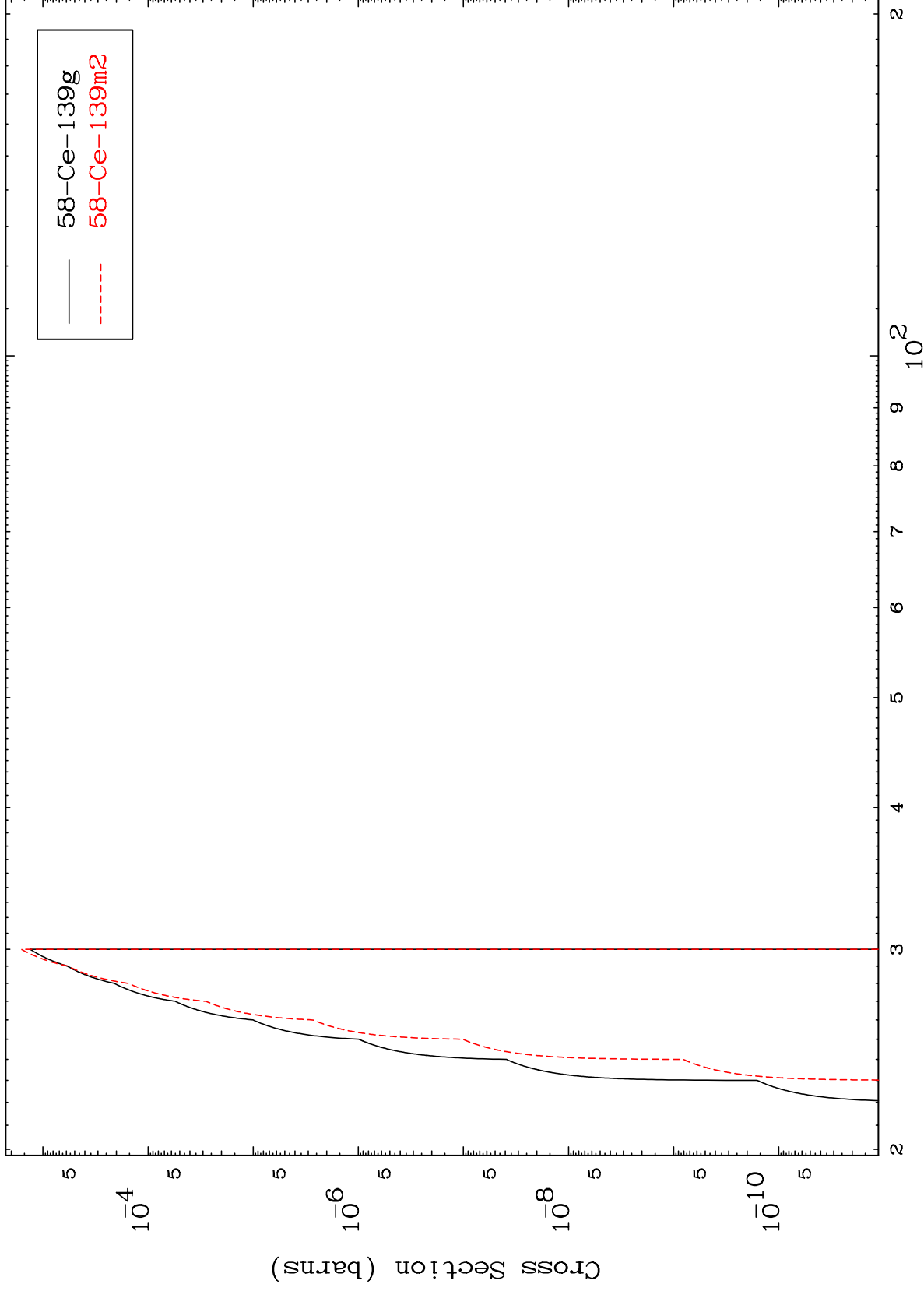
59-Pr-142

Radionuclide Production Cross Section



58-Ce-139g  
58-Ce-139m2

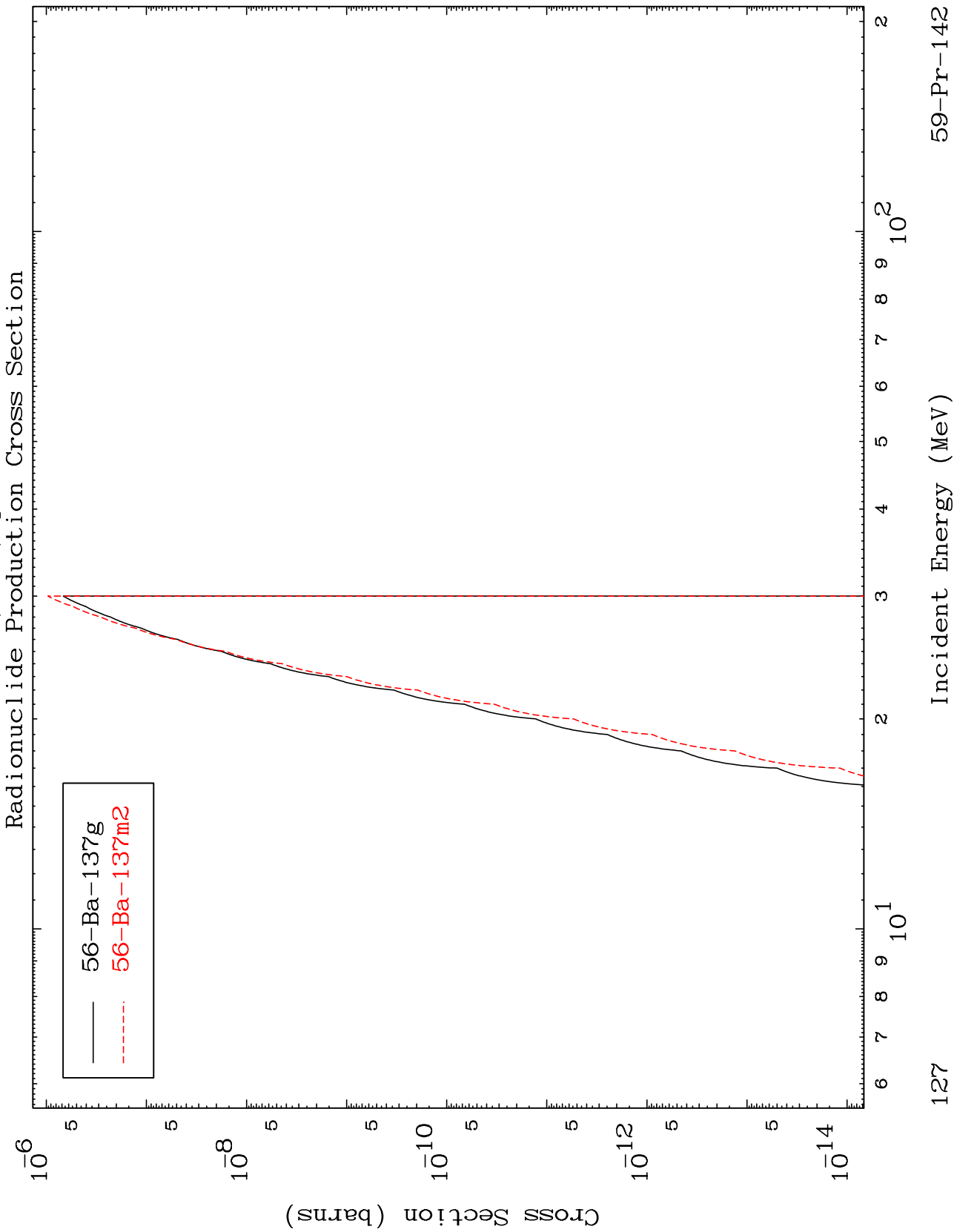
Radionuclide Production Cross Section



MAT 5928

(n,n') p  $\alpha$

59-Pr-142



127

59-Pr-142

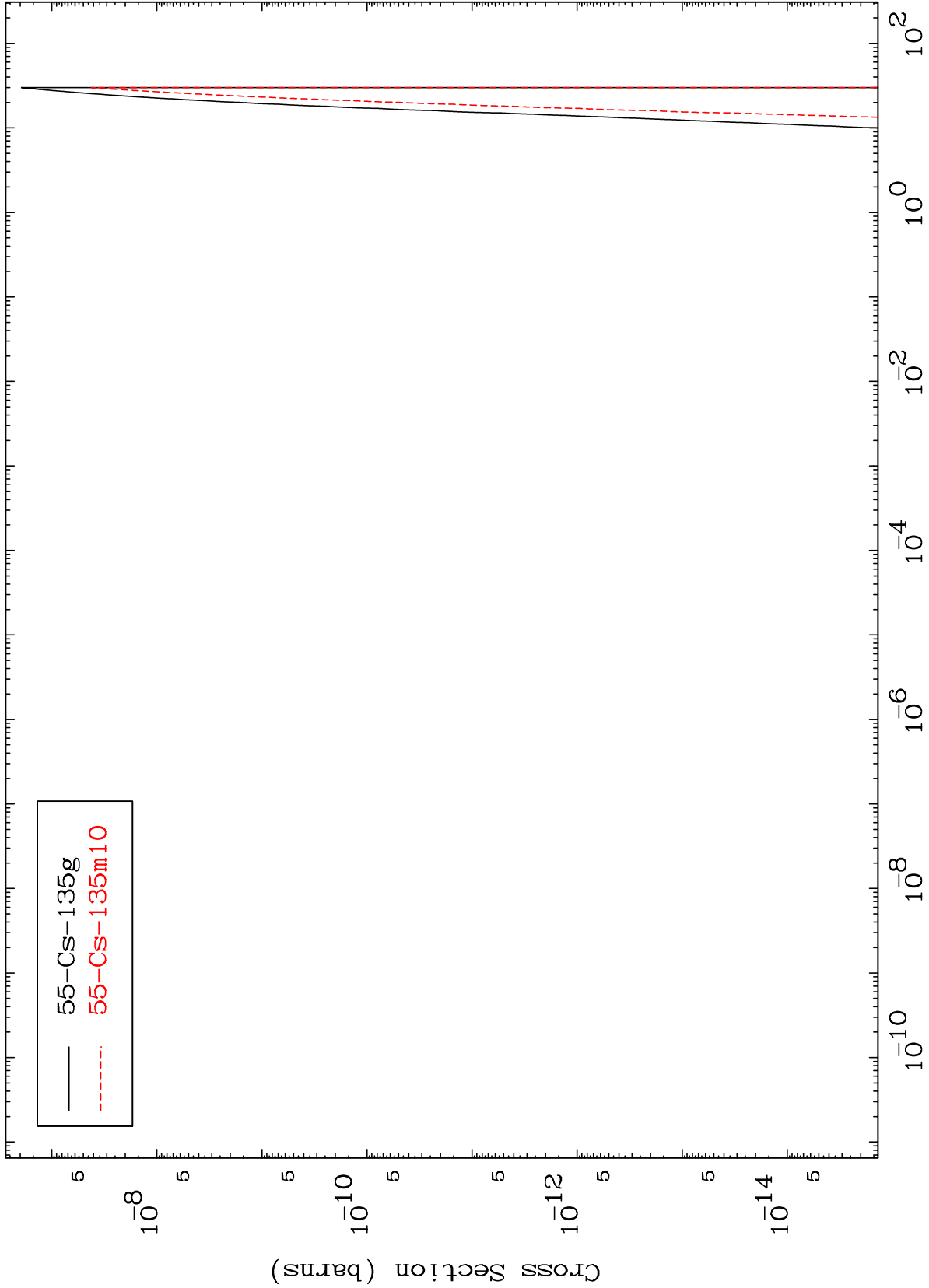


MAT 5928

(n,2α)

59-Pr-142

Radionuclide Production Cross Section



Radionuclide Production Cross Section

