

Program EVALPLOT
(Version 2021-1)

by

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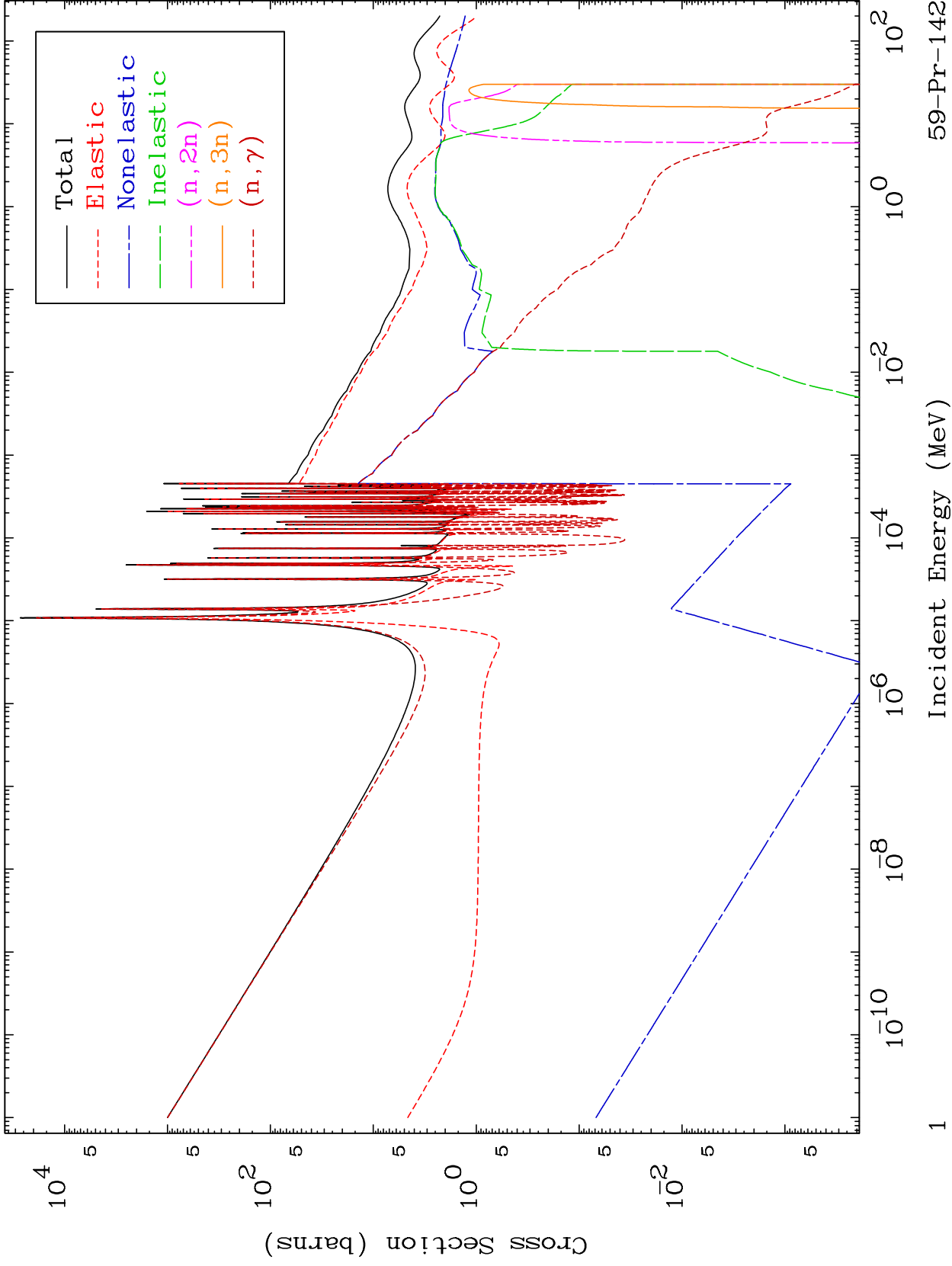
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Press Mouse Button to Start

MAT 5928

Neutron Major
293 Kelvin Cross Sections

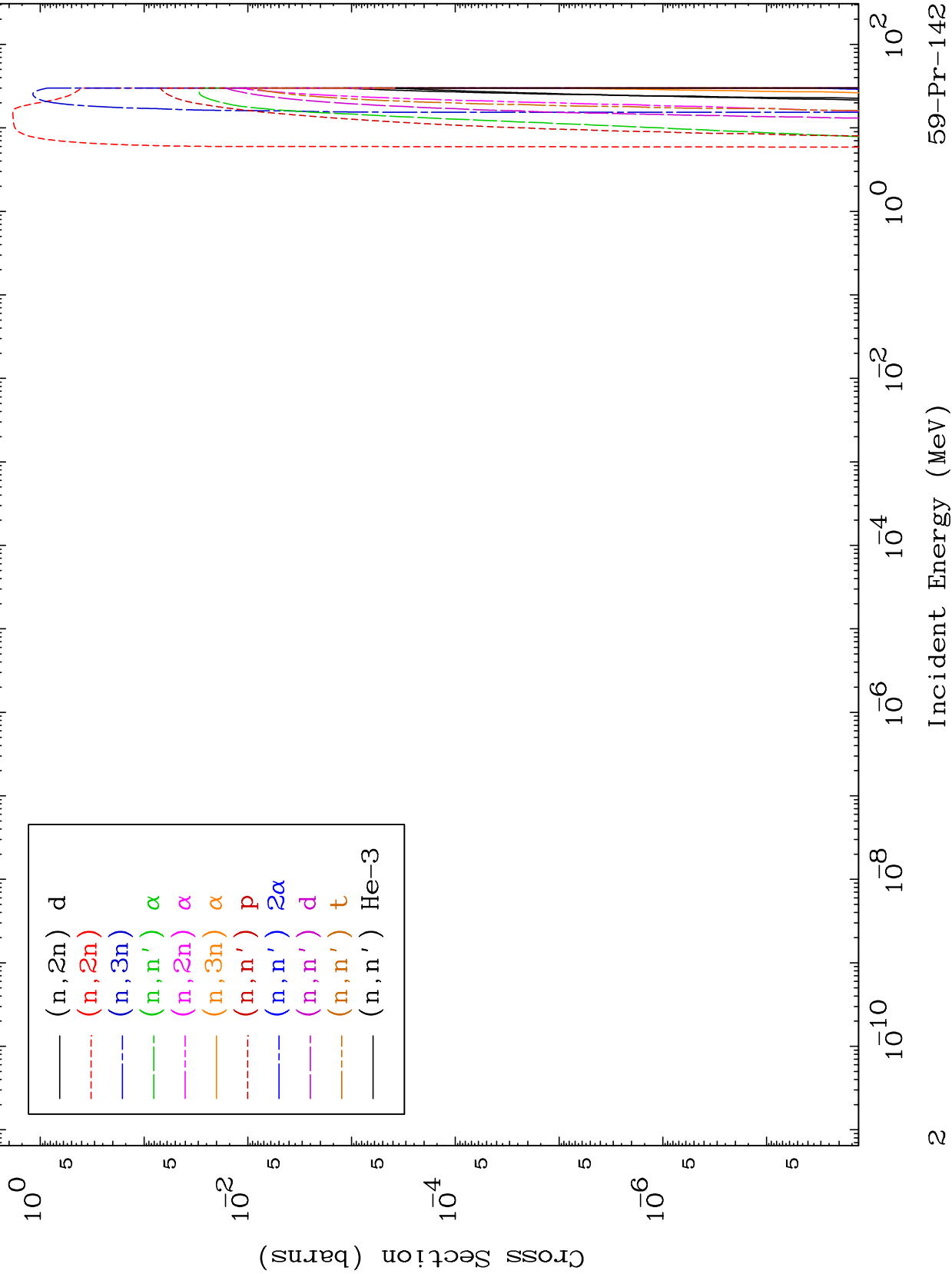
59-Pr-142

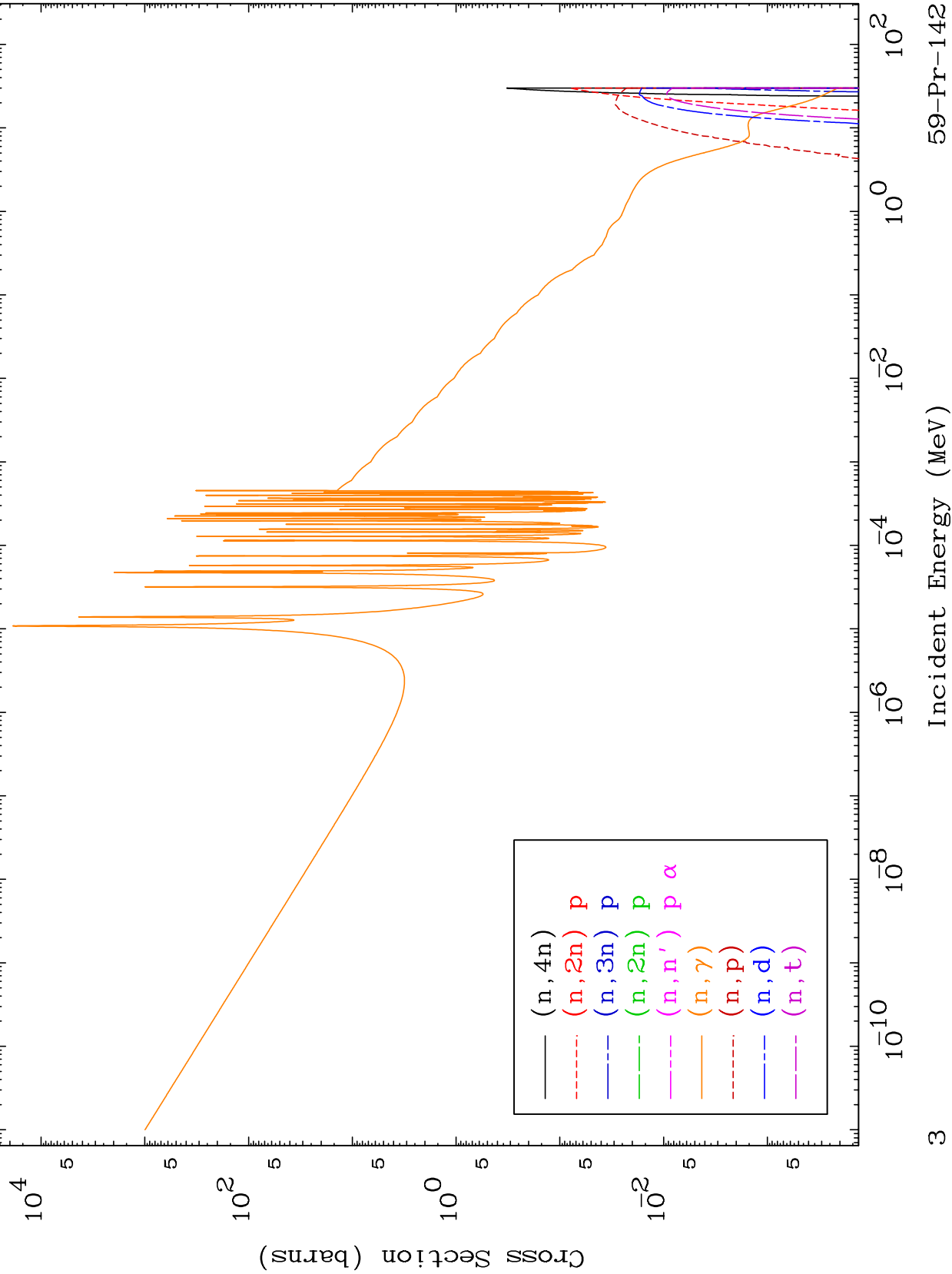


MAT 5928

Neutron Absorption
293 Kelvin Cross Sections

59-Pr-142

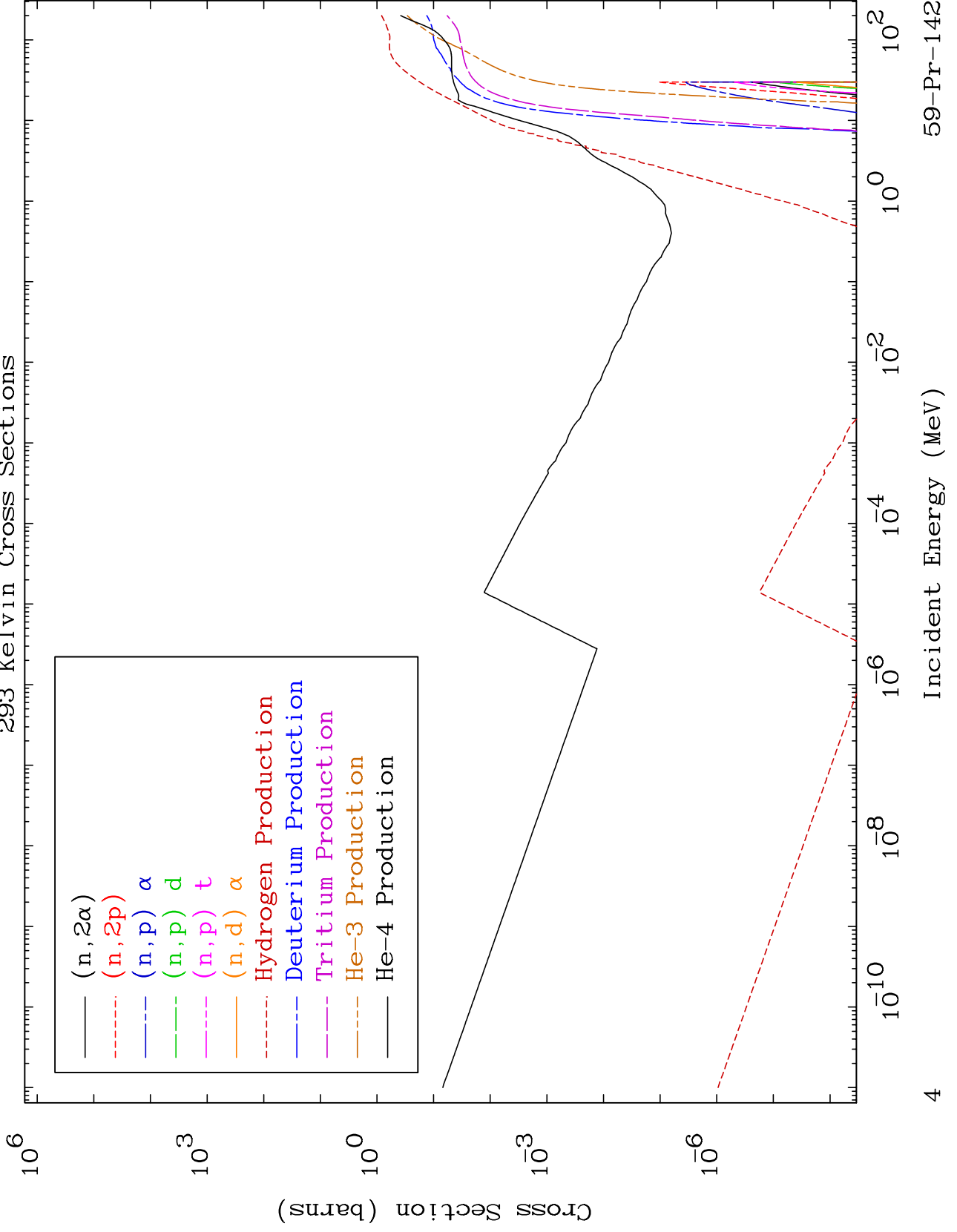


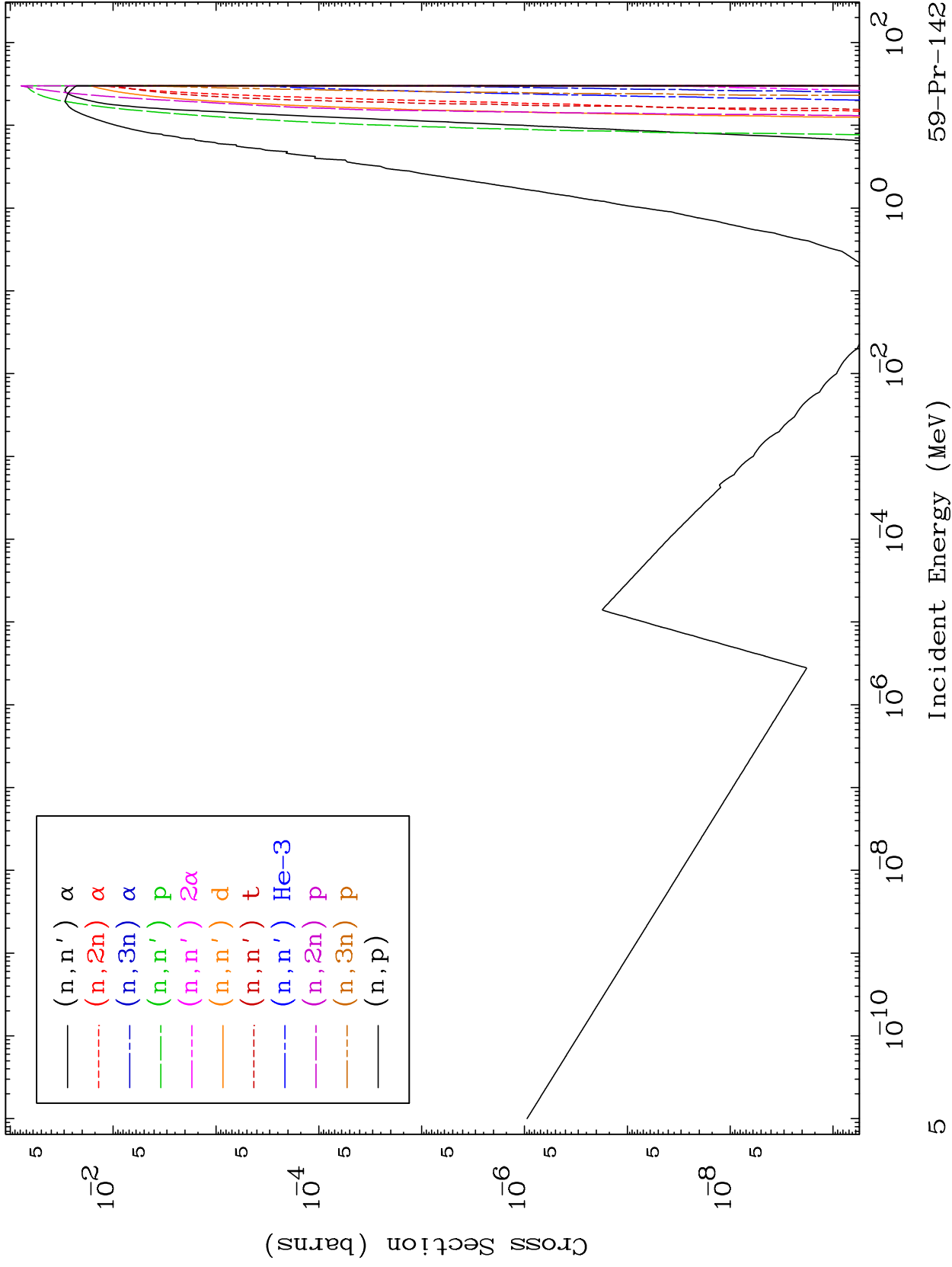


MAT 5928

Neutron Absorption
293 Kelvin Cross Sections

59-Pr-142

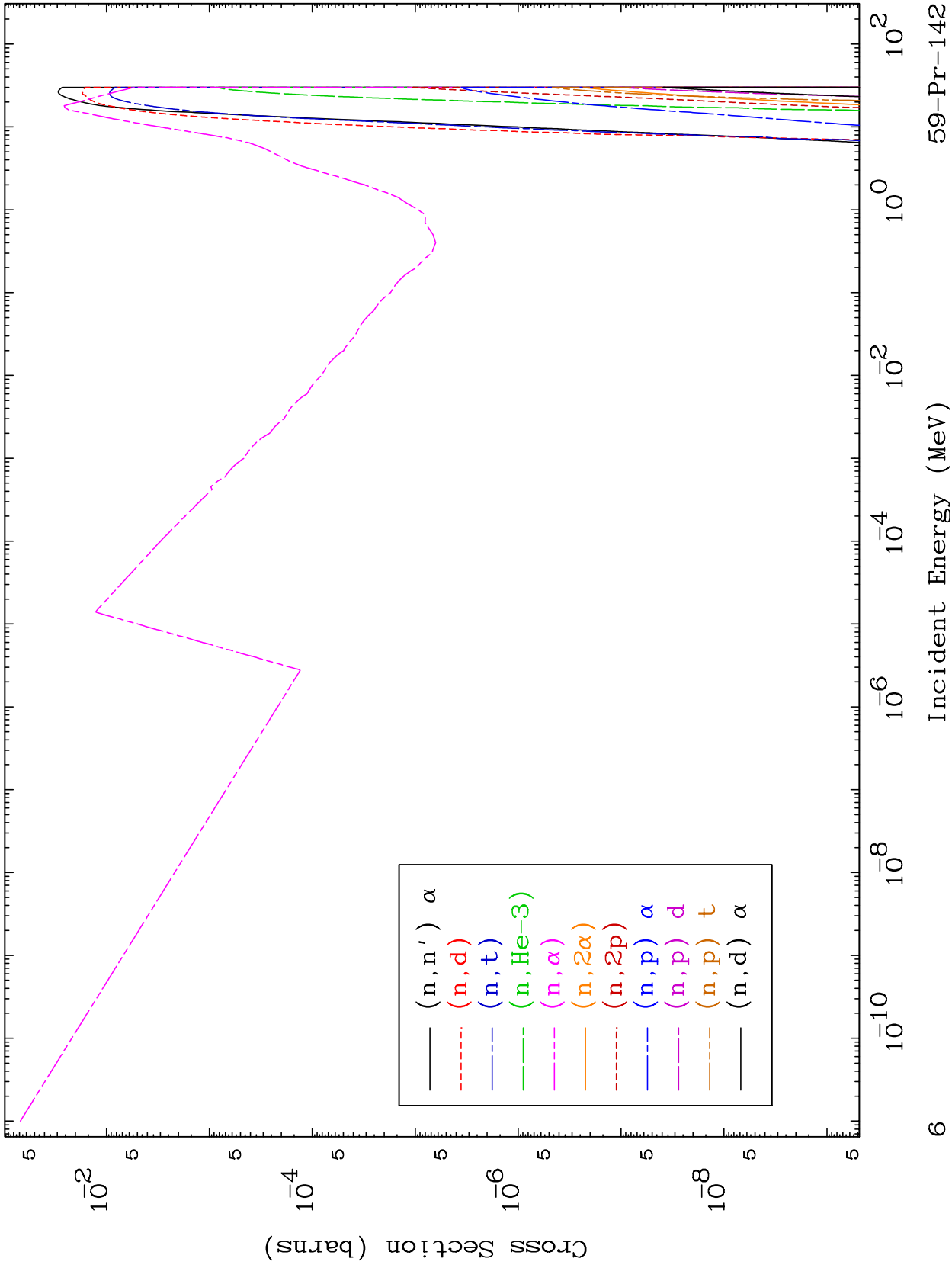




MAT 5928

Charged Particle
293 Kelvin Cross Sections

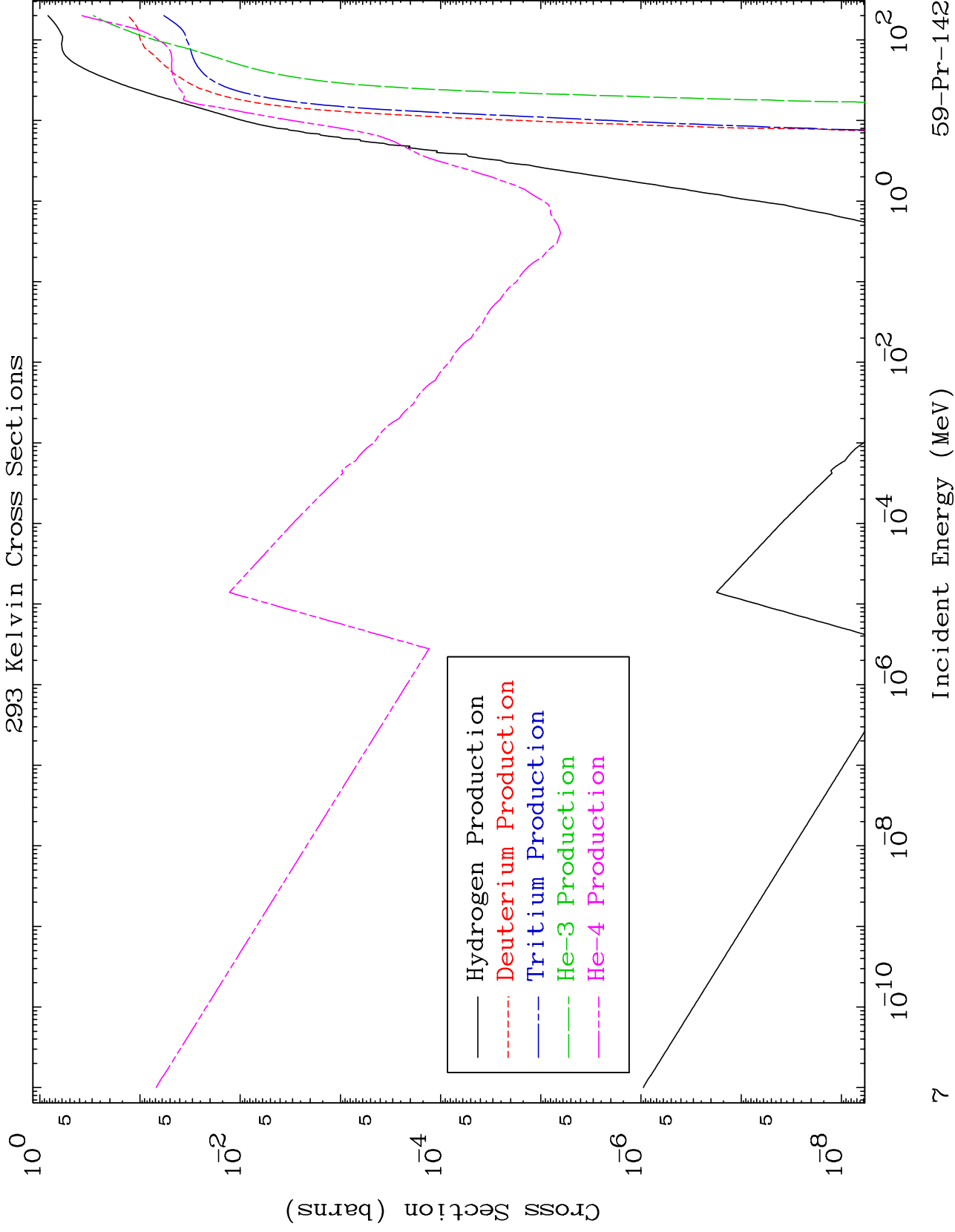
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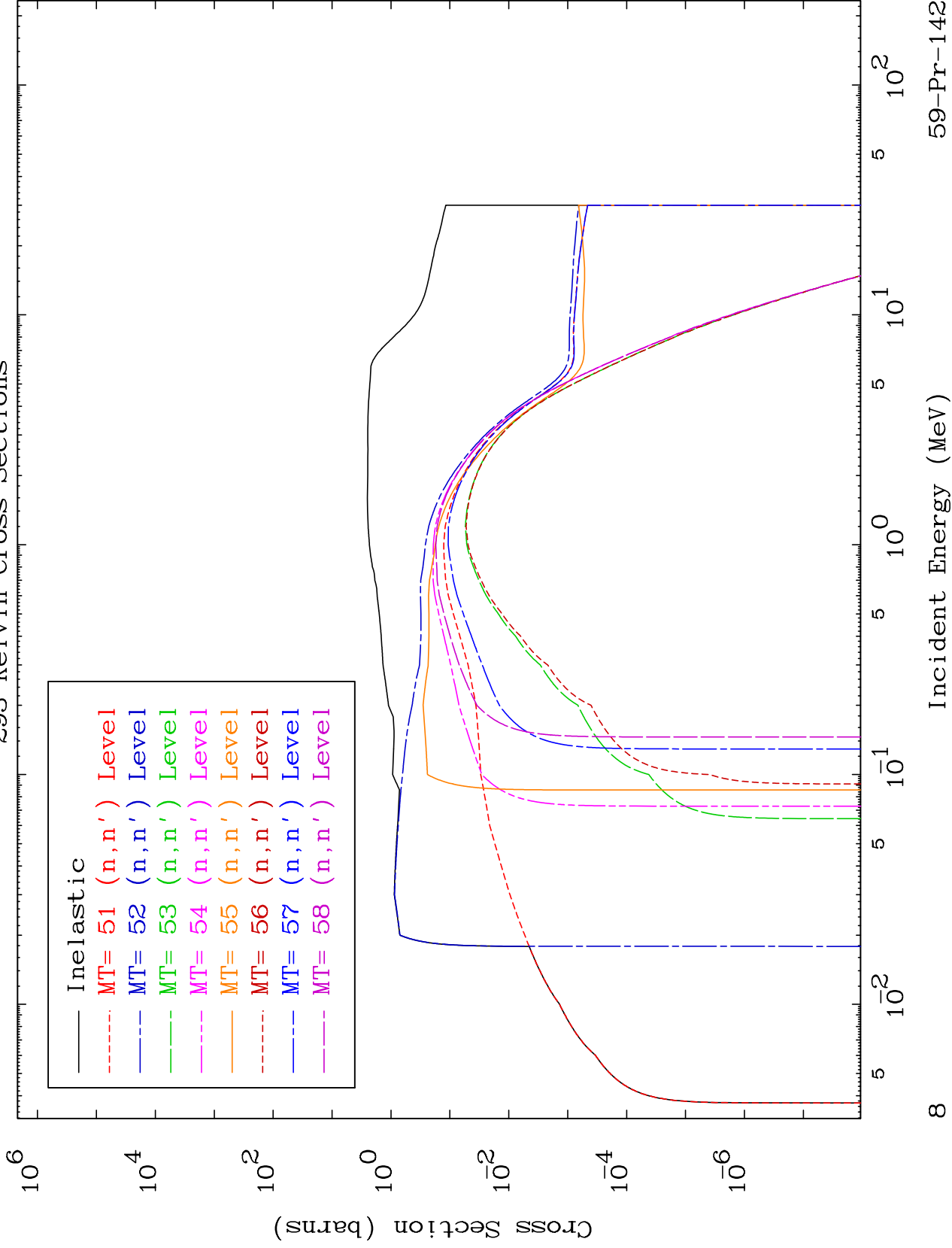


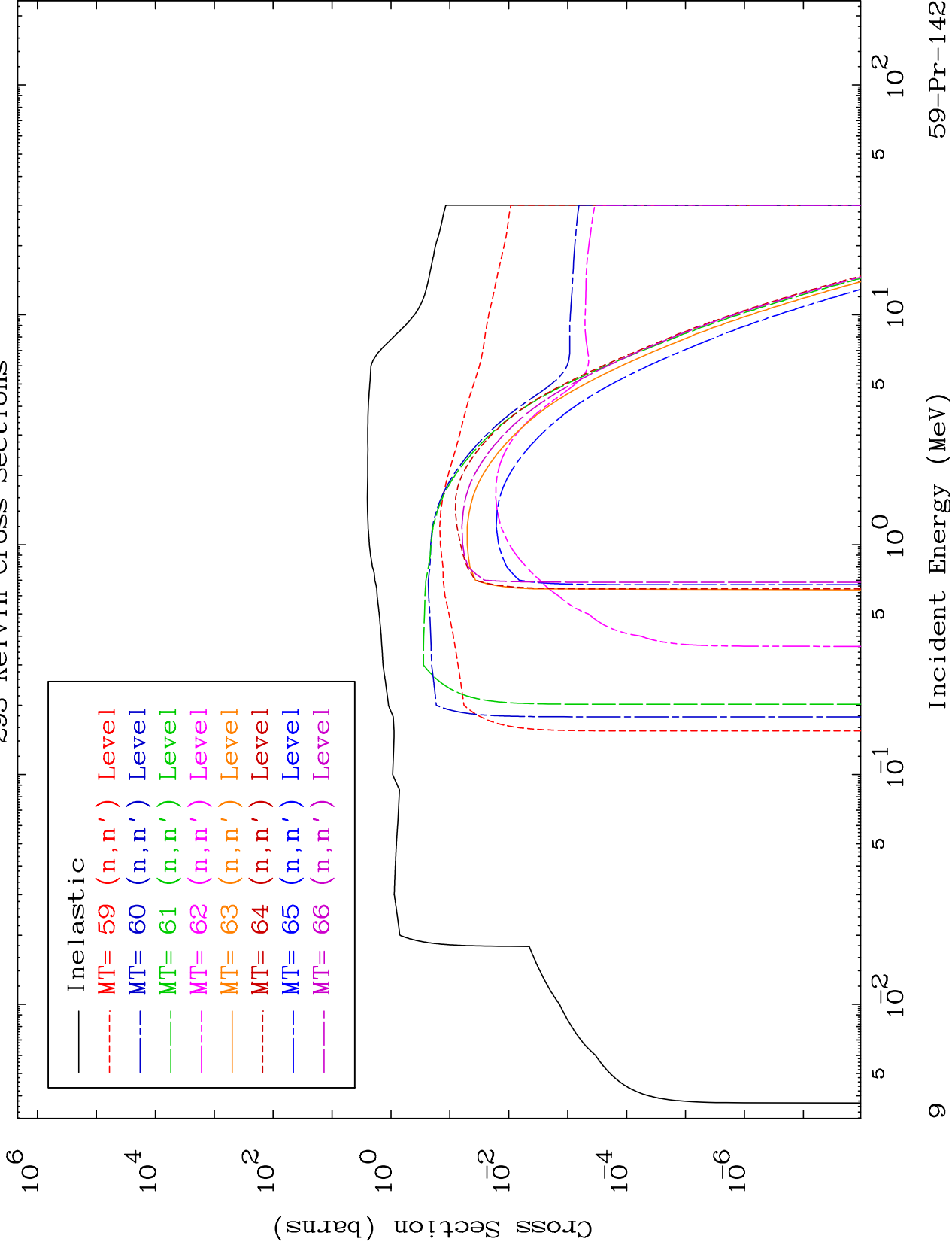
MAT 5928

Particle Production
293 Kelvin Cross Sections

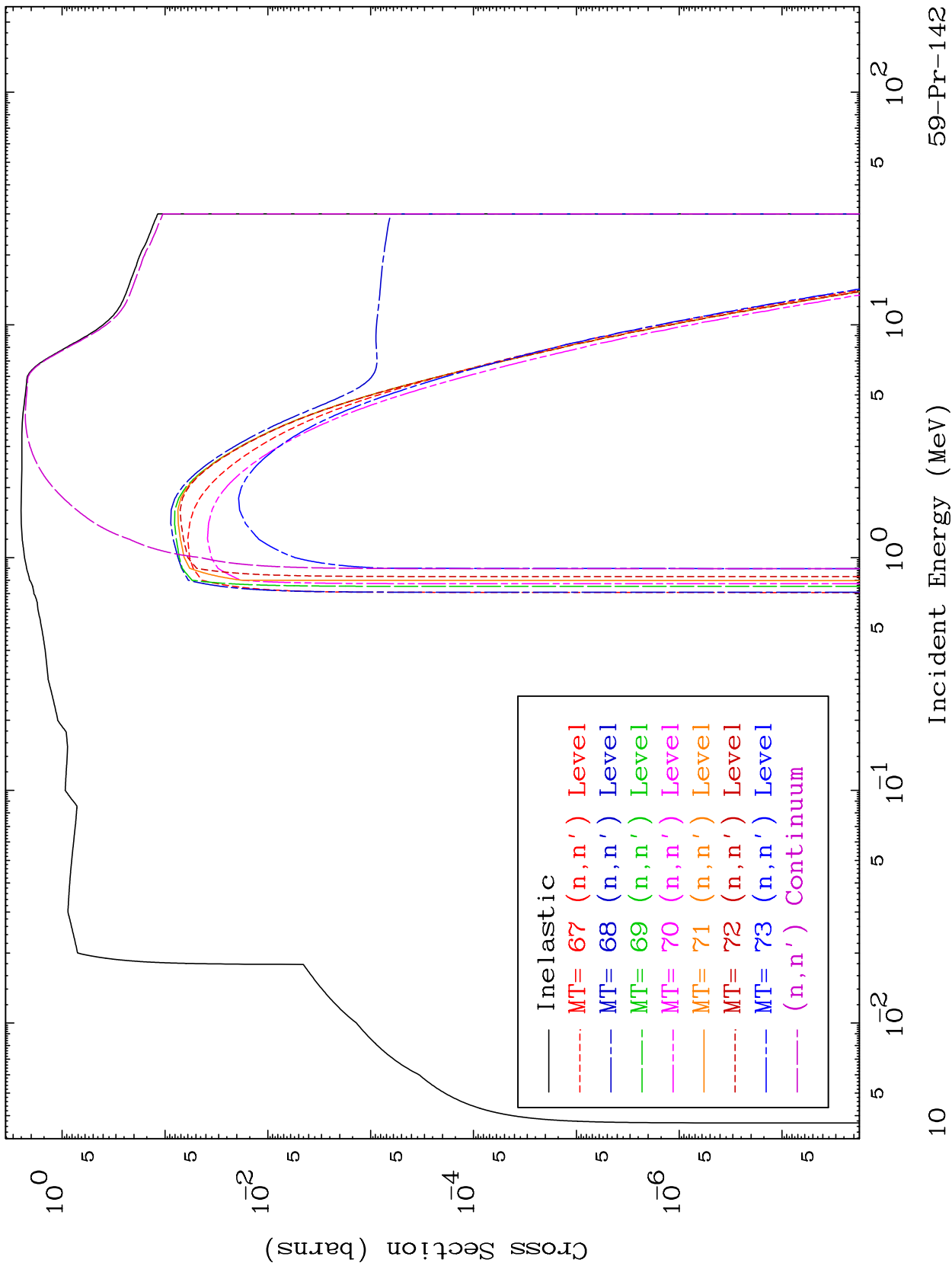
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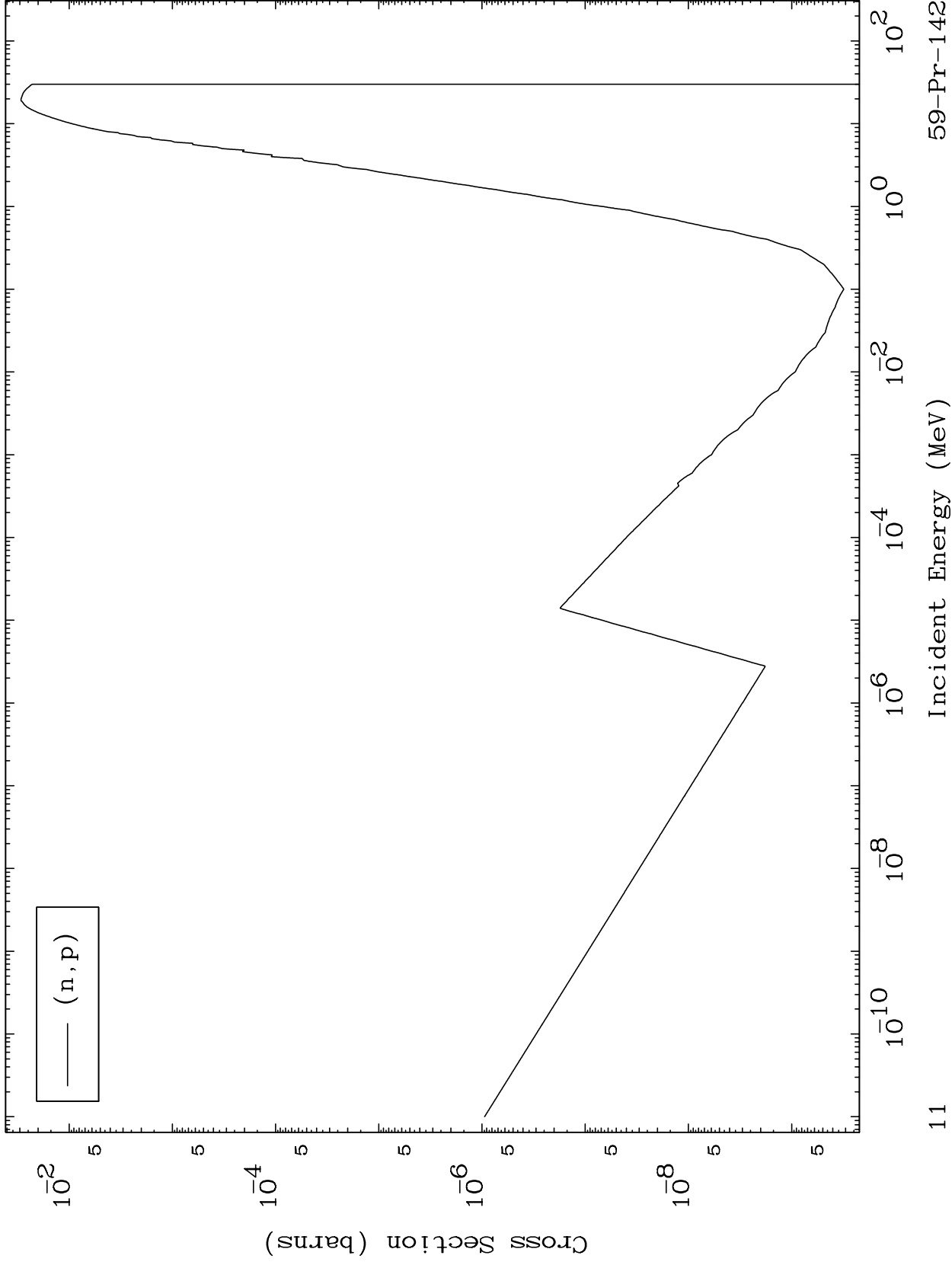
293 Kelvin Cross Sections
(n,n') Levels



MAT 5928

(n,p) Levels
293 Kelvin Cross Sections

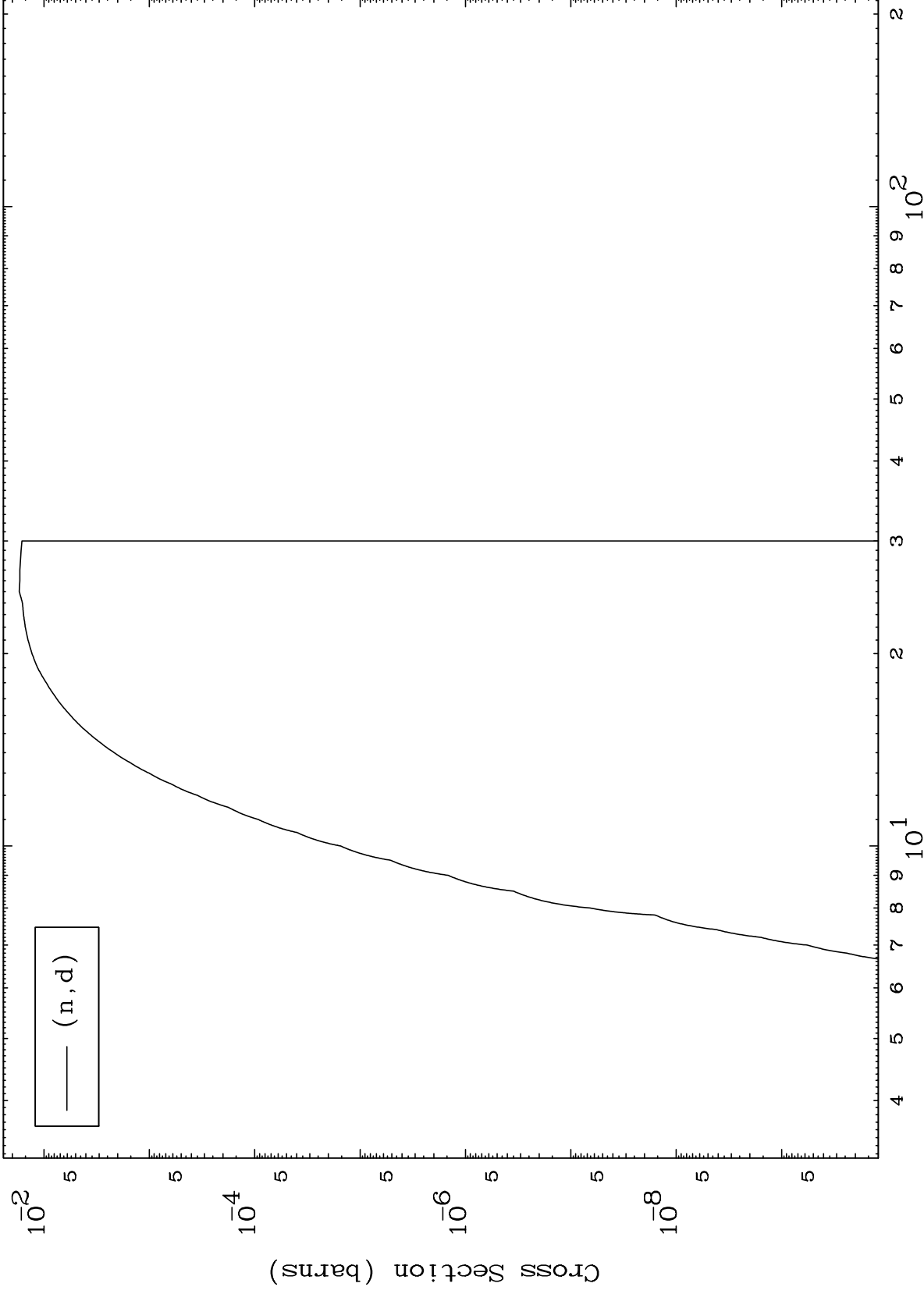
59-Pr-142



MAT 5928

(n,d) Levels
293 Kelvin Cross Sections

59-Pr-142



12

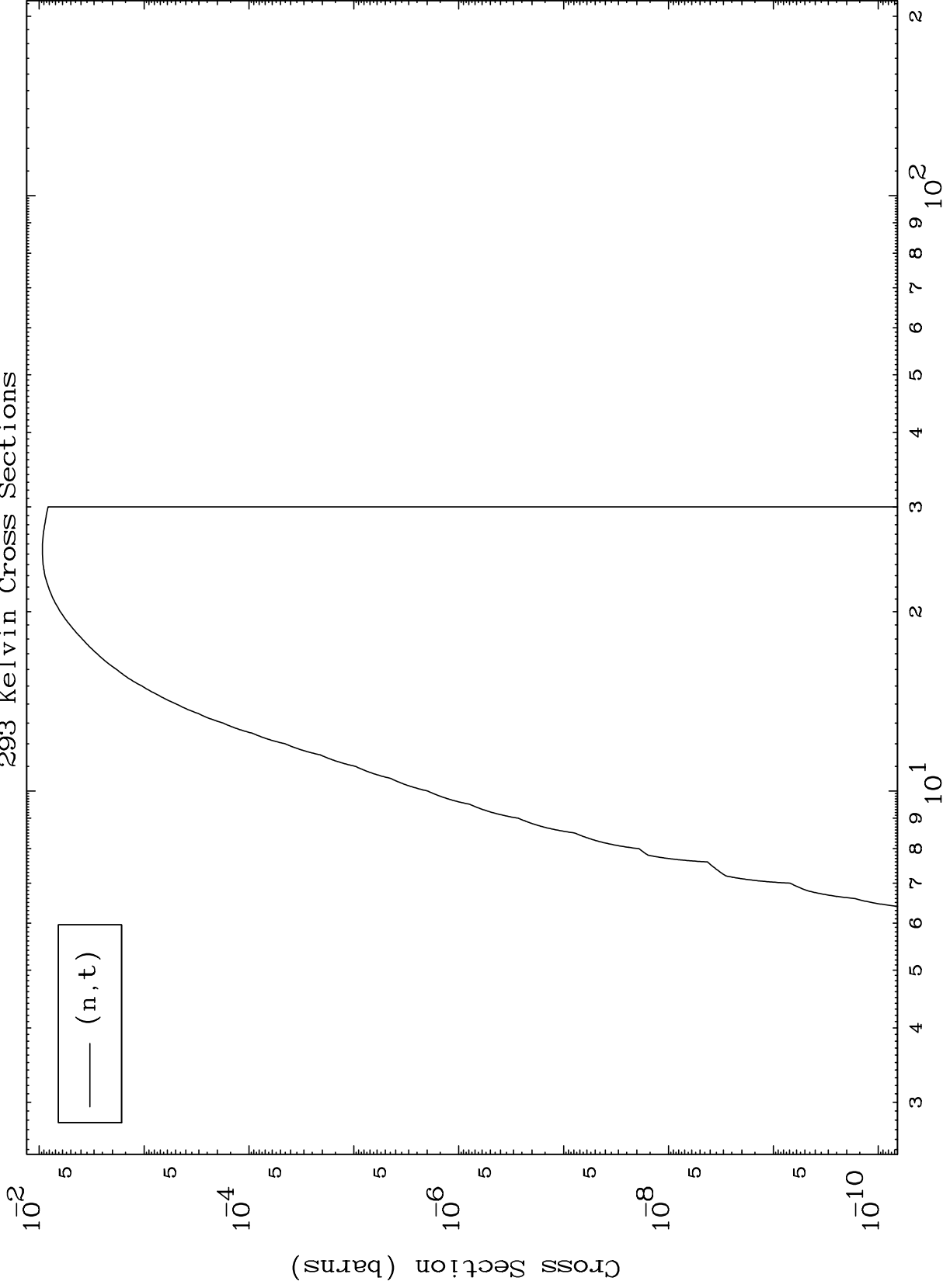
Incident Energy (MeV)

59-Pr-142

MAT 5928

(n,t) Levels
293 Kelvin Cross Sections

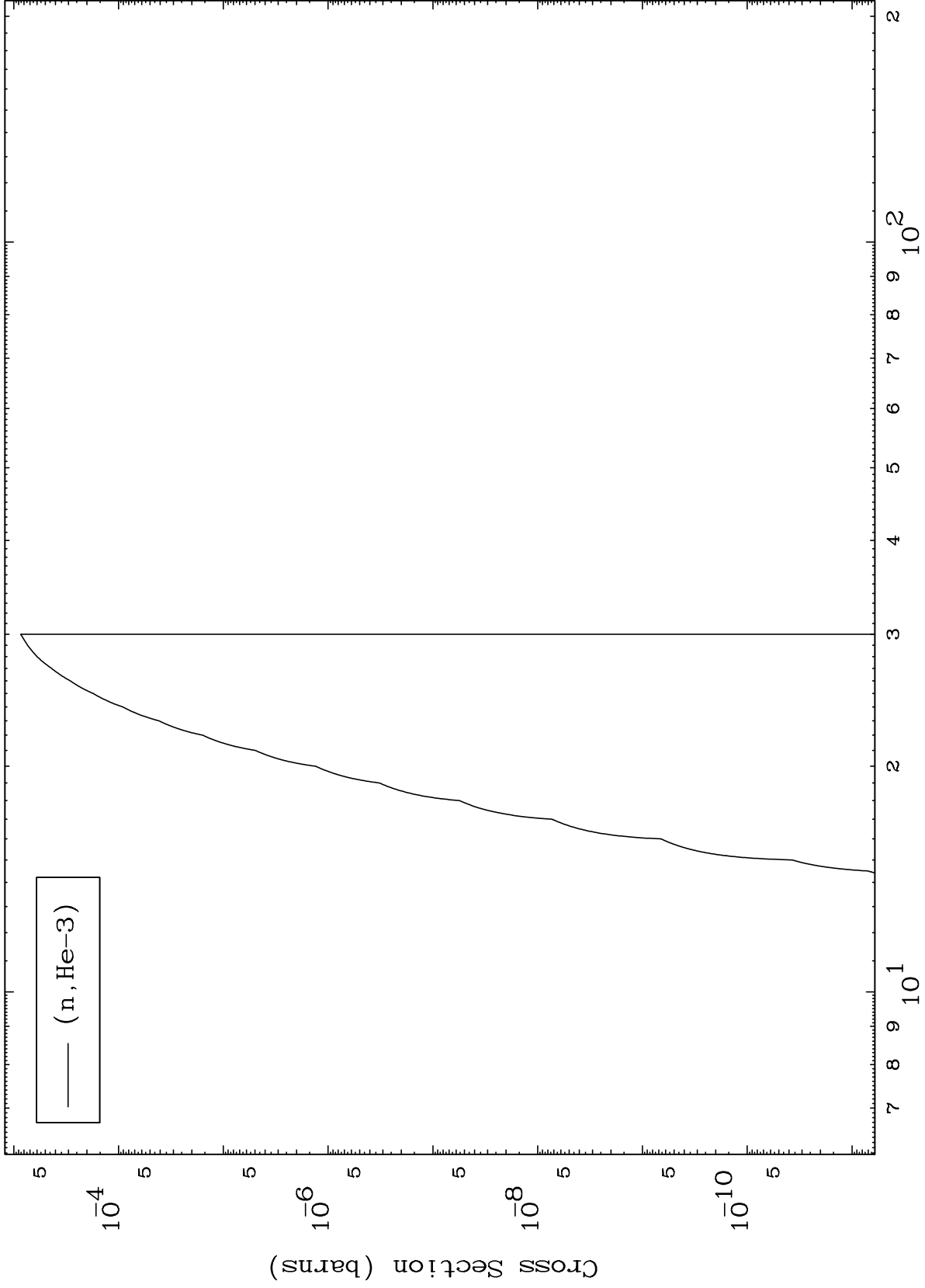
59-Pr-142



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Incident Energy (MeV)

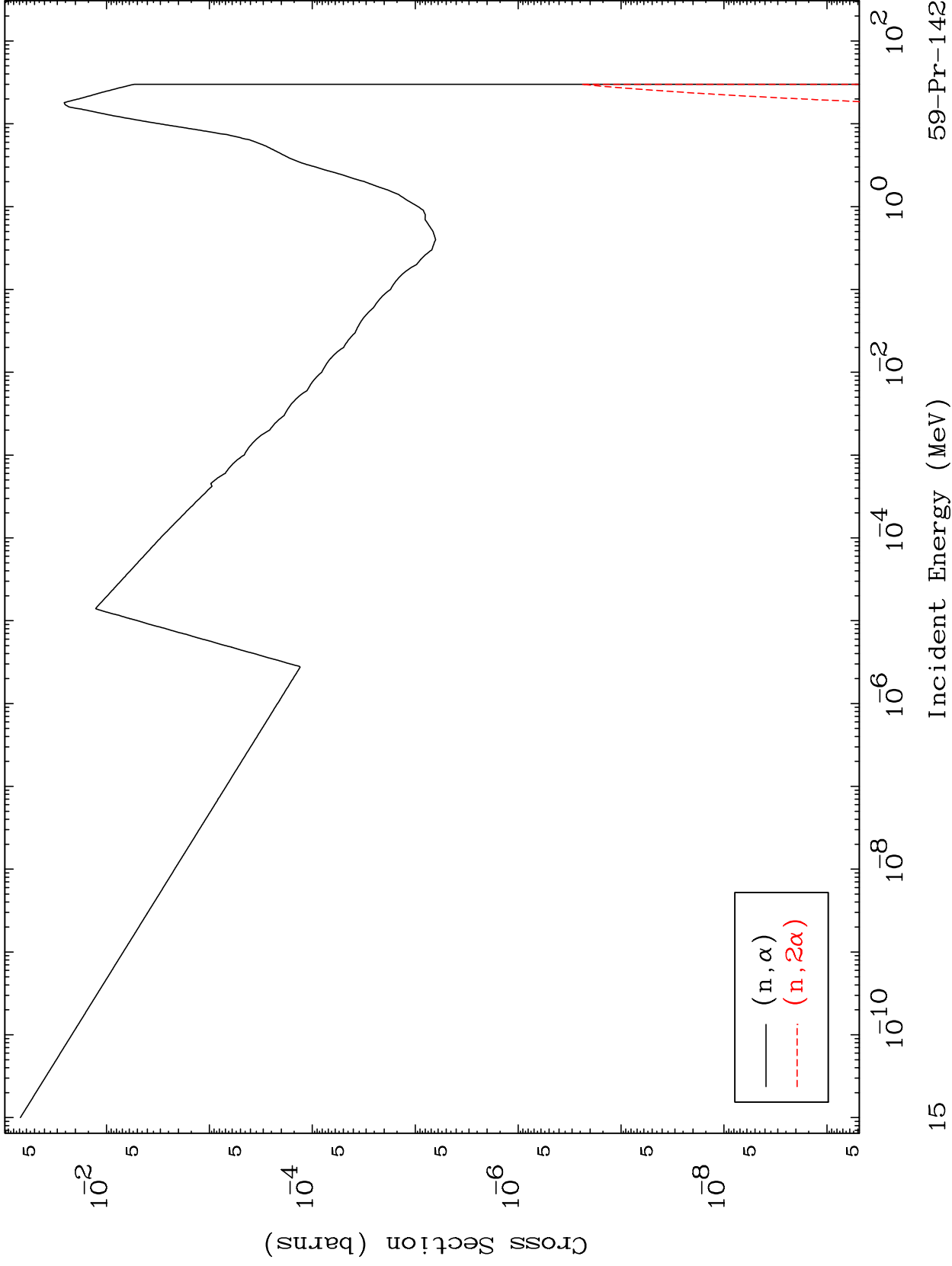
59-Pr-142



MAT 5928

(n,α) Levels
293 Kelvin Cross Sections

59-Pr-142



15

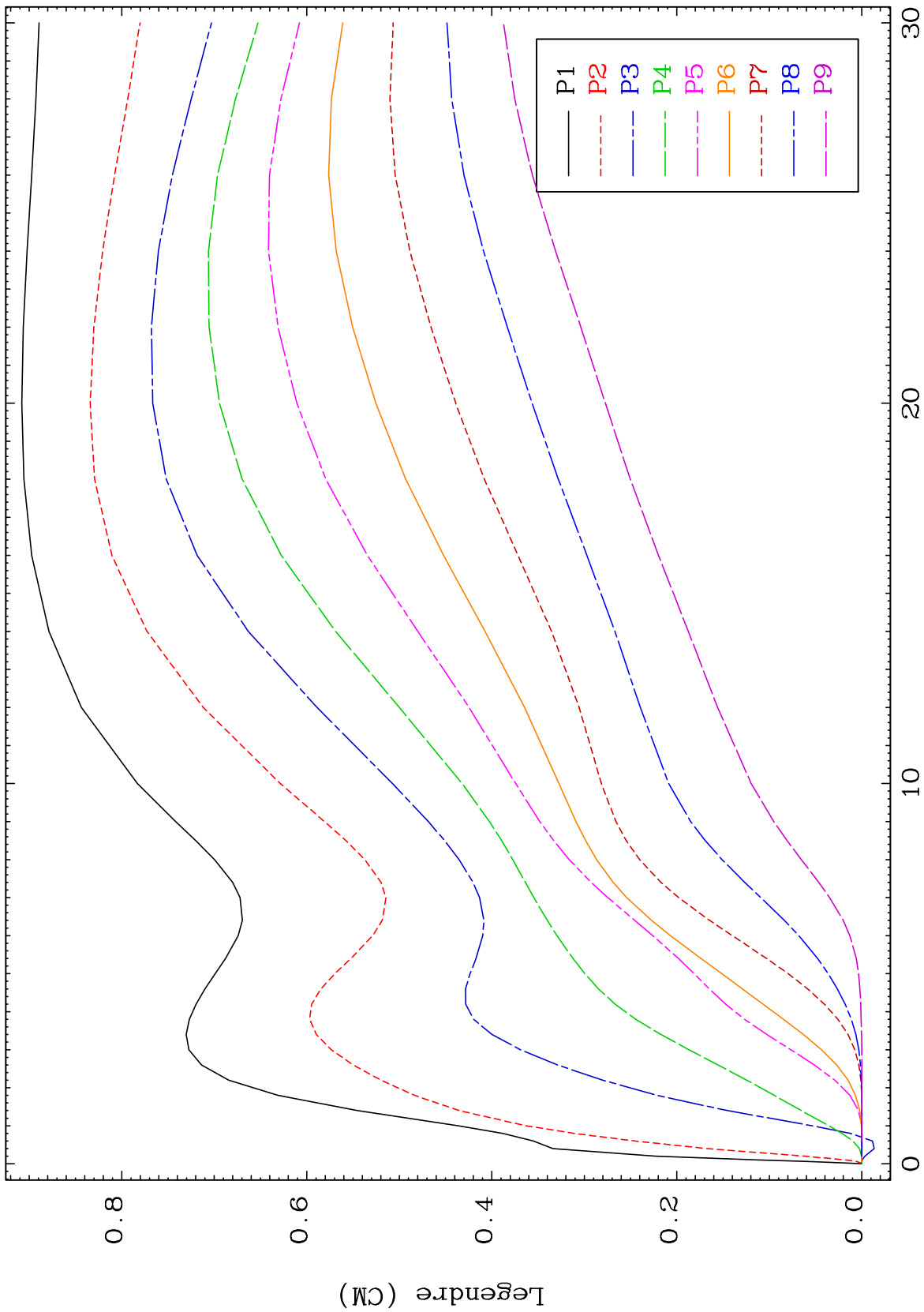
Incident Energy (MeV)

59-Pr-142

MAT 5928

59-Pr-142

Elastic Legendre Coefficients



59-Pr-142

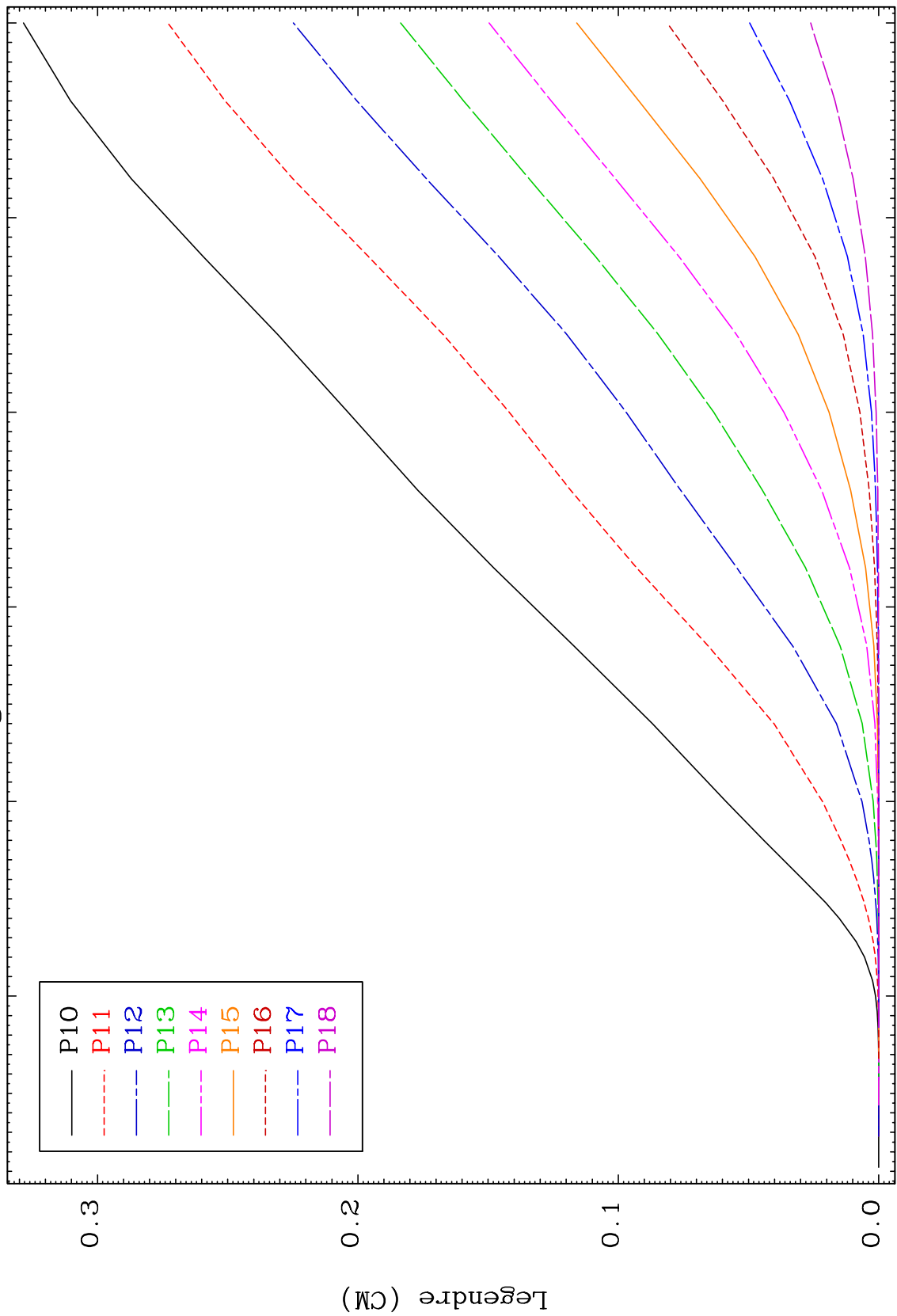
Incident Energy (MeV)

16

MAT 5928

Elastic Legendre Coefficients

59-Pr-142



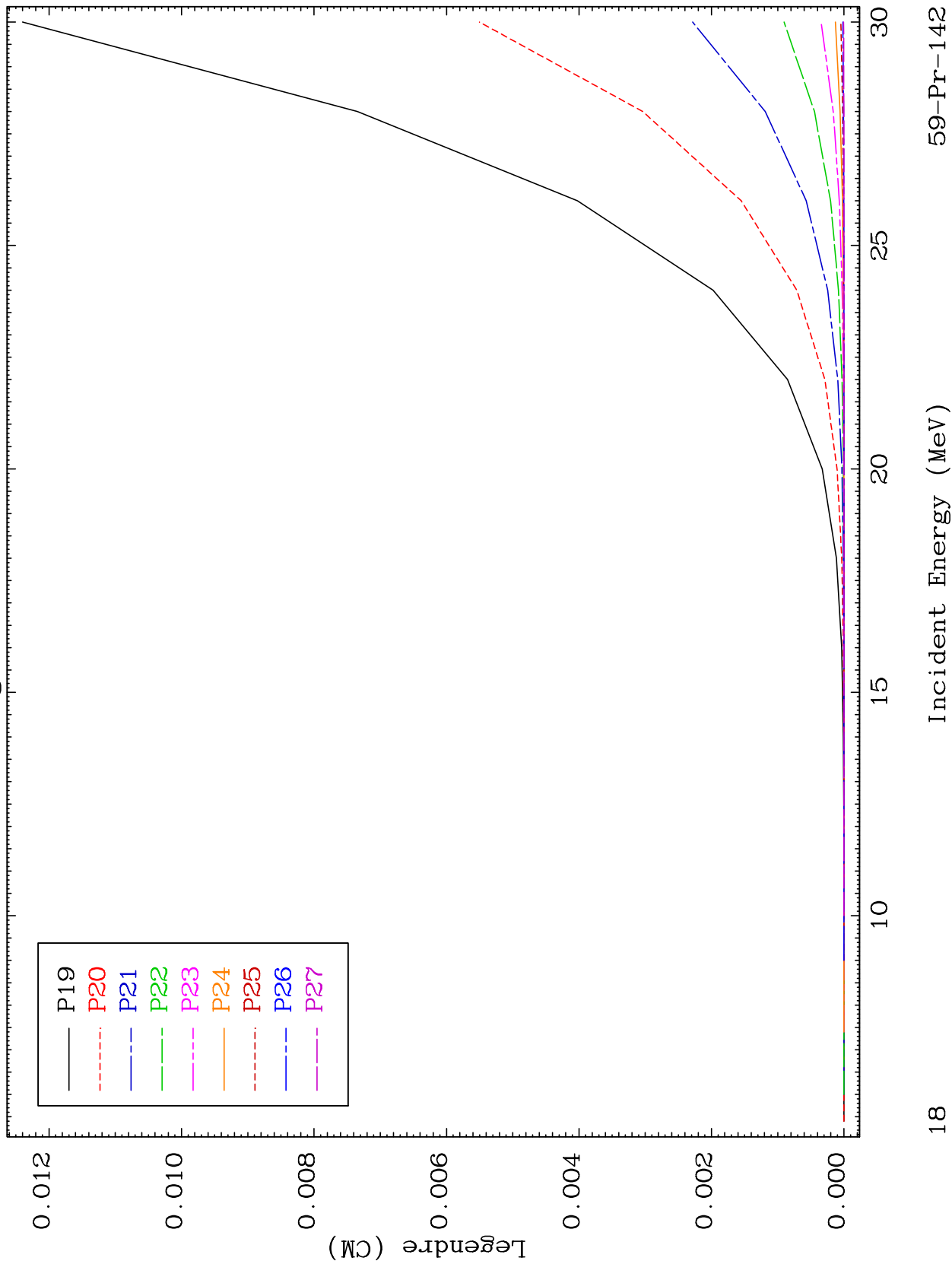
17

59-Pr-142

MAT 5928

Elastic Legendre Coefficients

59-Pr-142



18

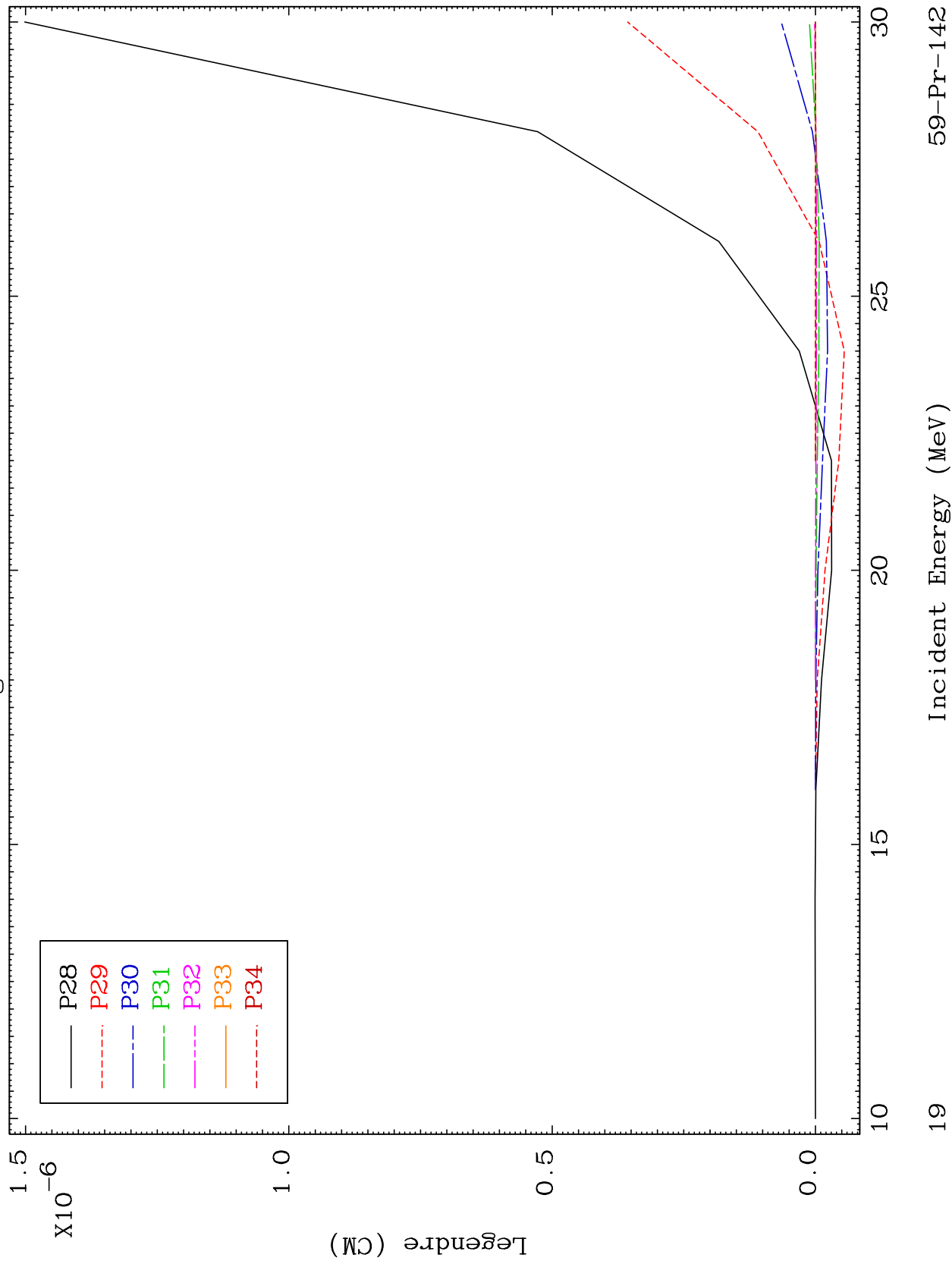
Incident Energy (MeV)

59-Pr-142

MAT 5928

Elastic Legendre Coefficients

59-Pr-142



19

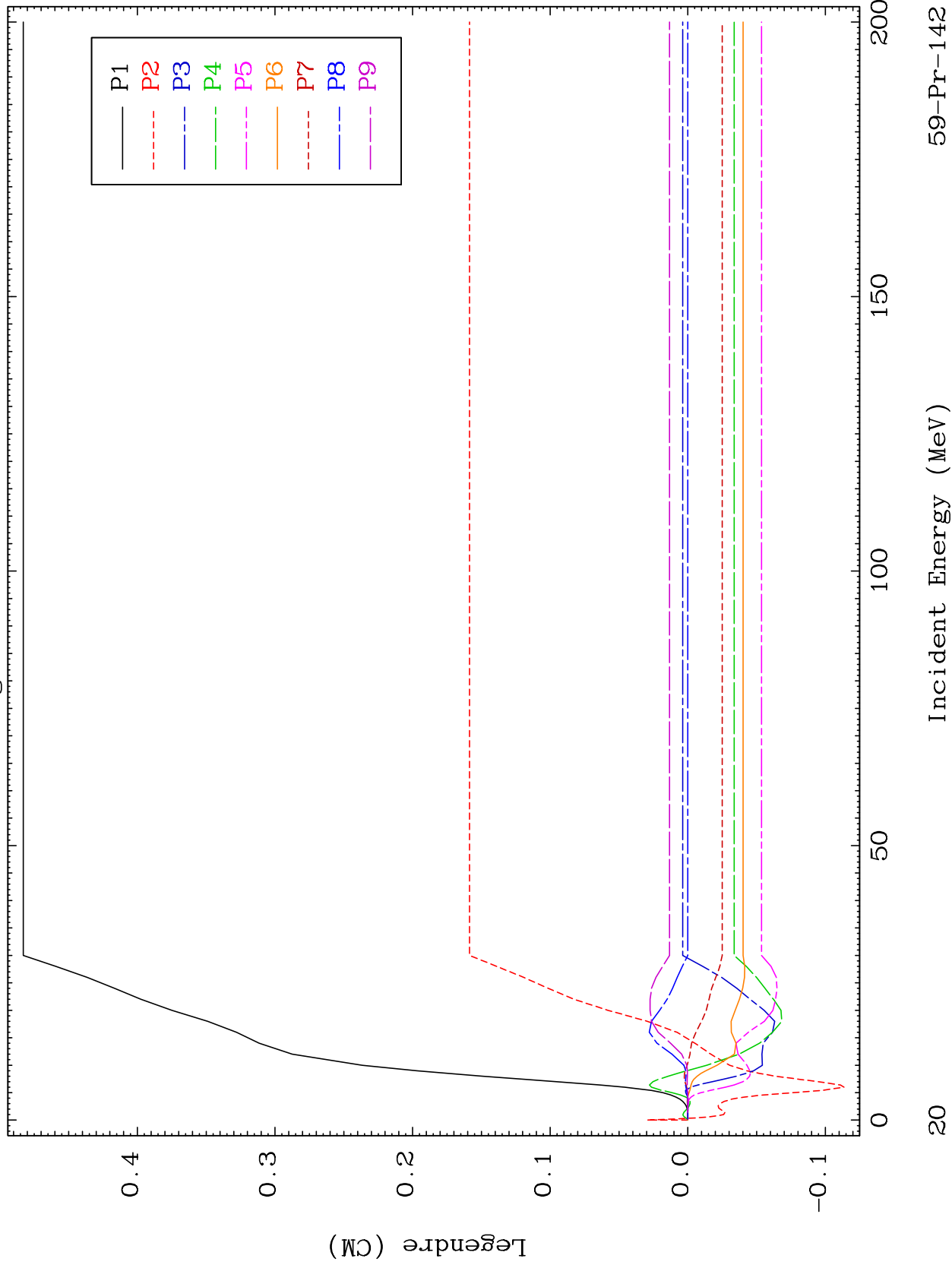
Incident Energy (MeV)

59-Pr-142

MAT 5928

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

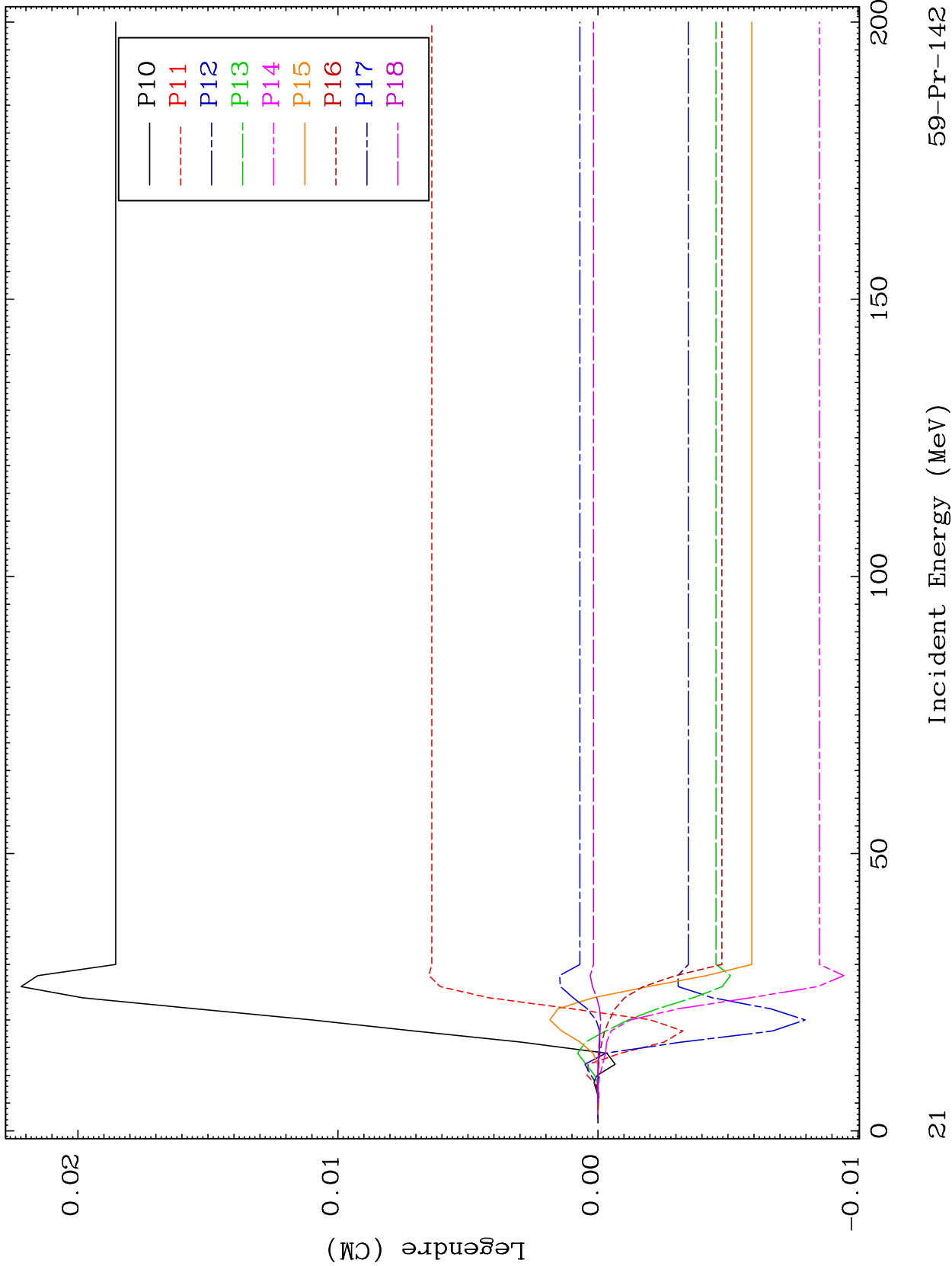
59-Pr-142



MAT 5928

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

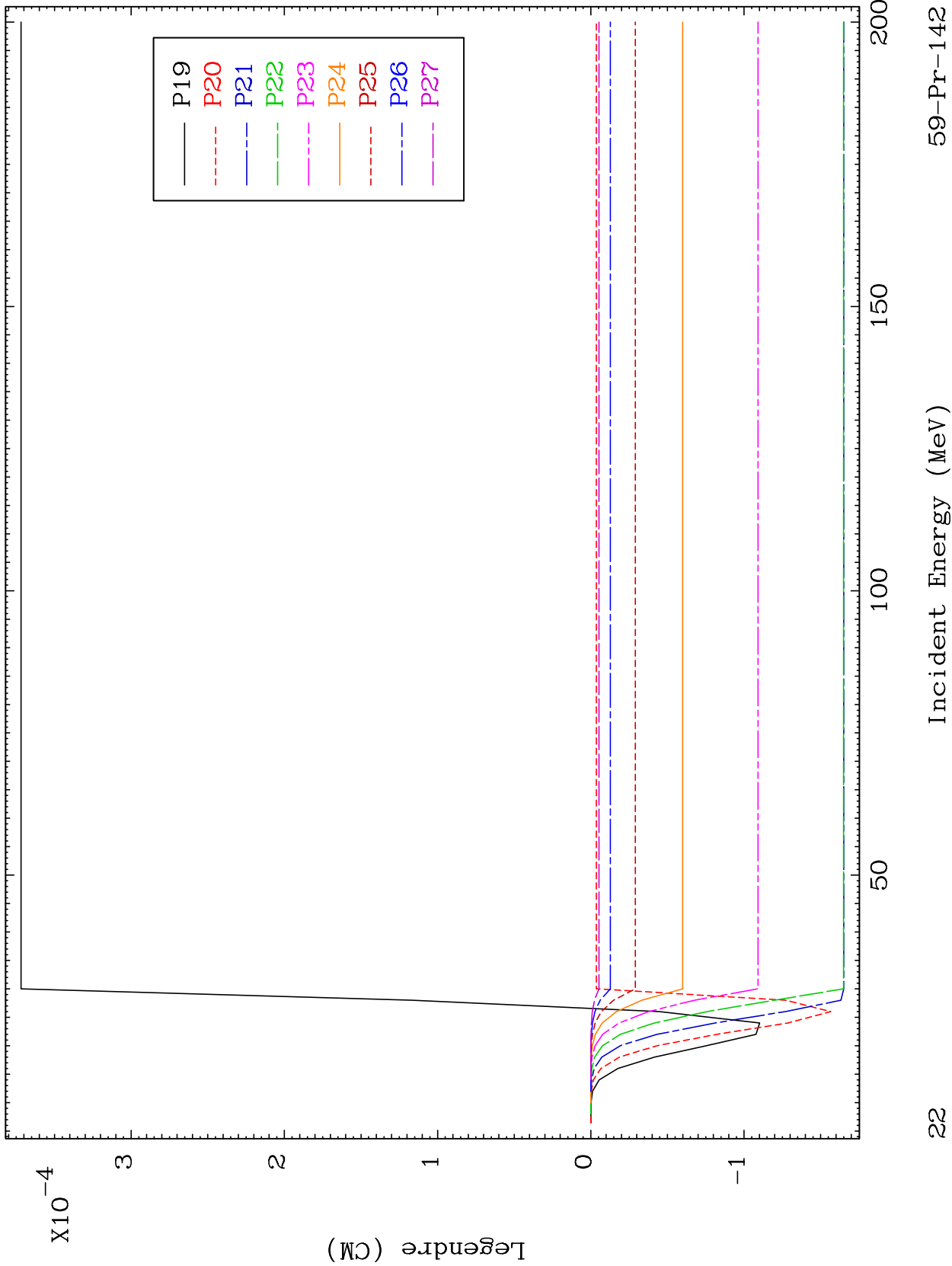
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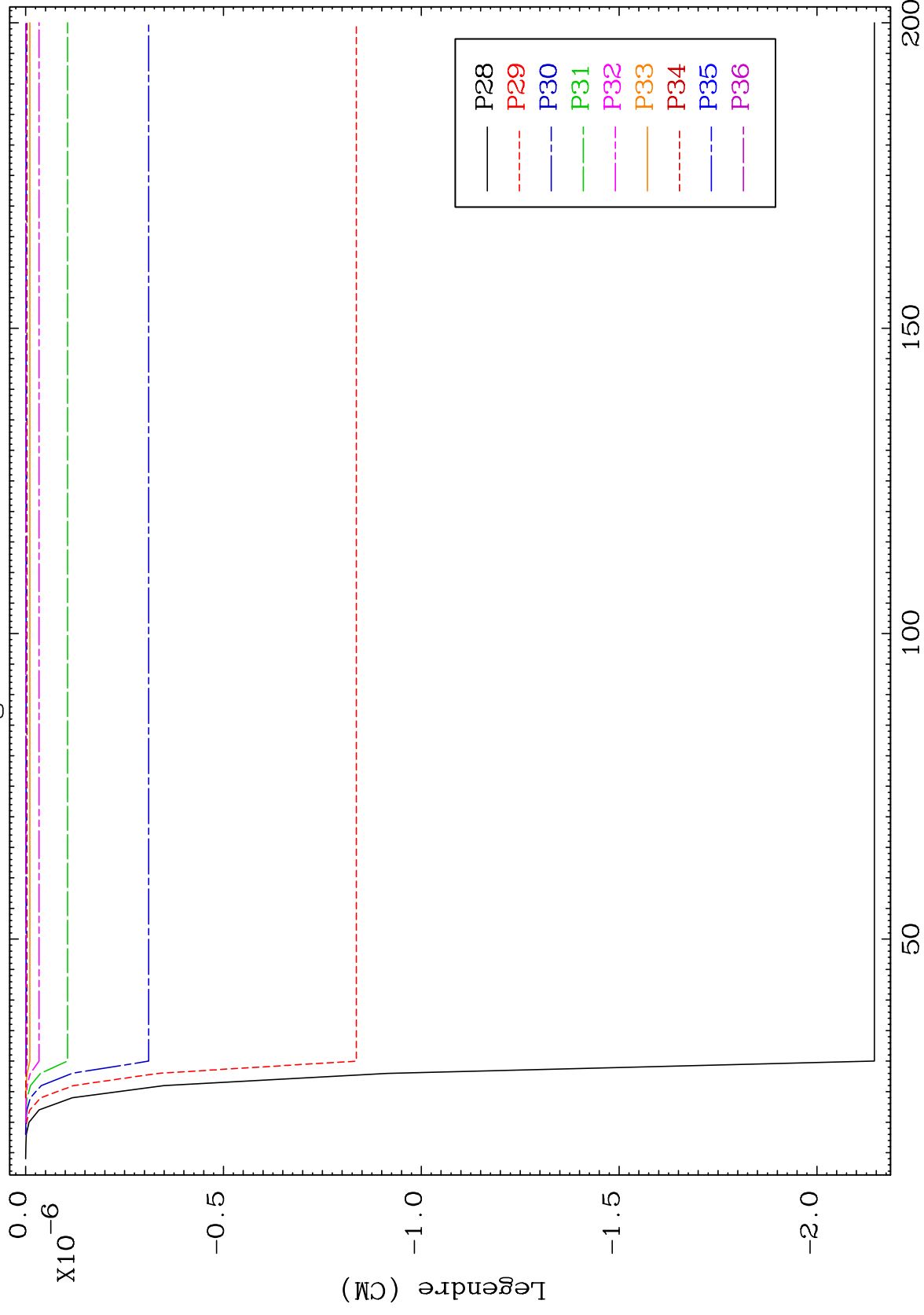


21

Incident Energy (MeV)

59-Pr-142

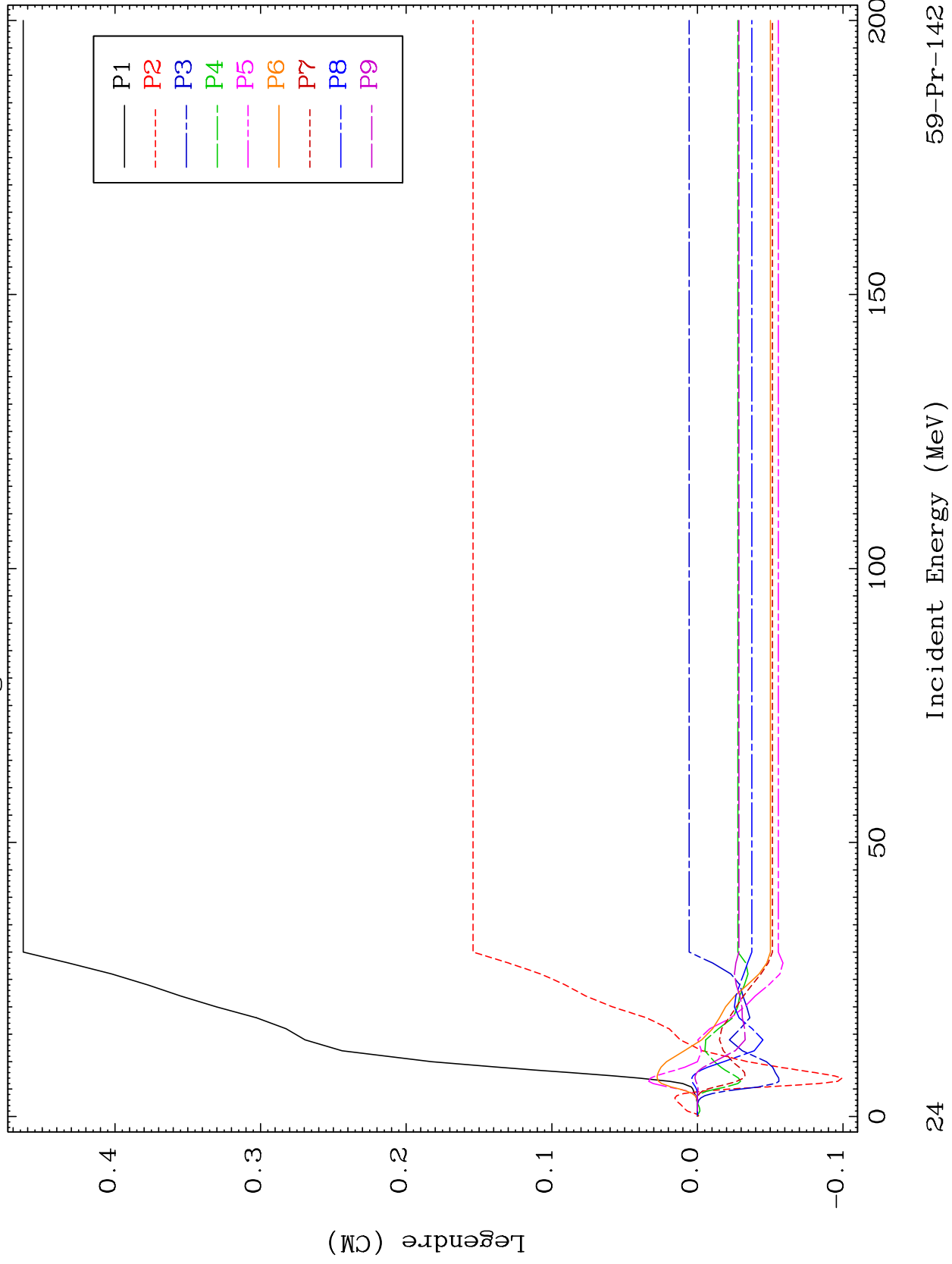




MAT 5928

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

59-Pr-142



59-Pr-142

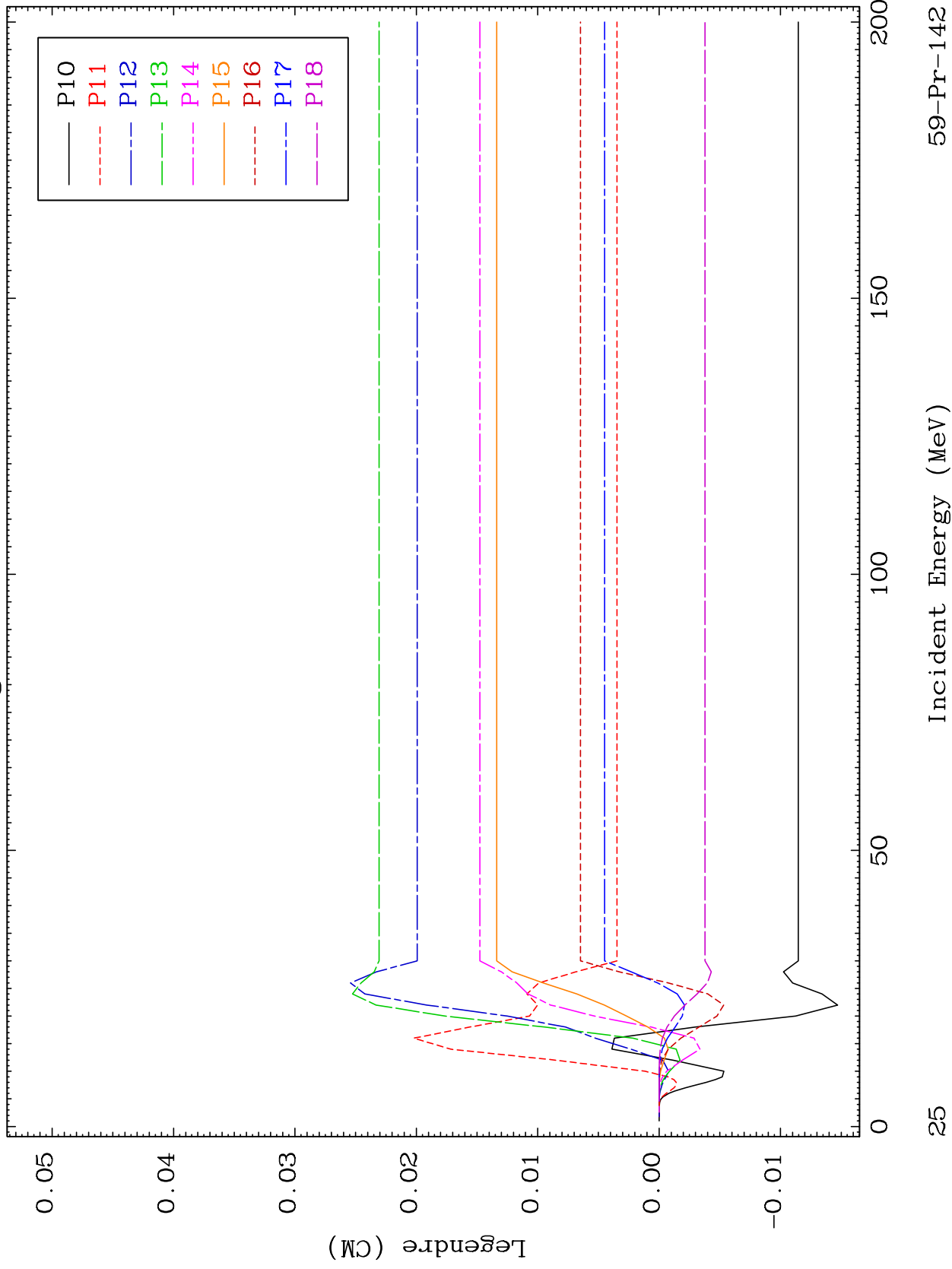
Incident Energy (MeV)

24

MAT 5928

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

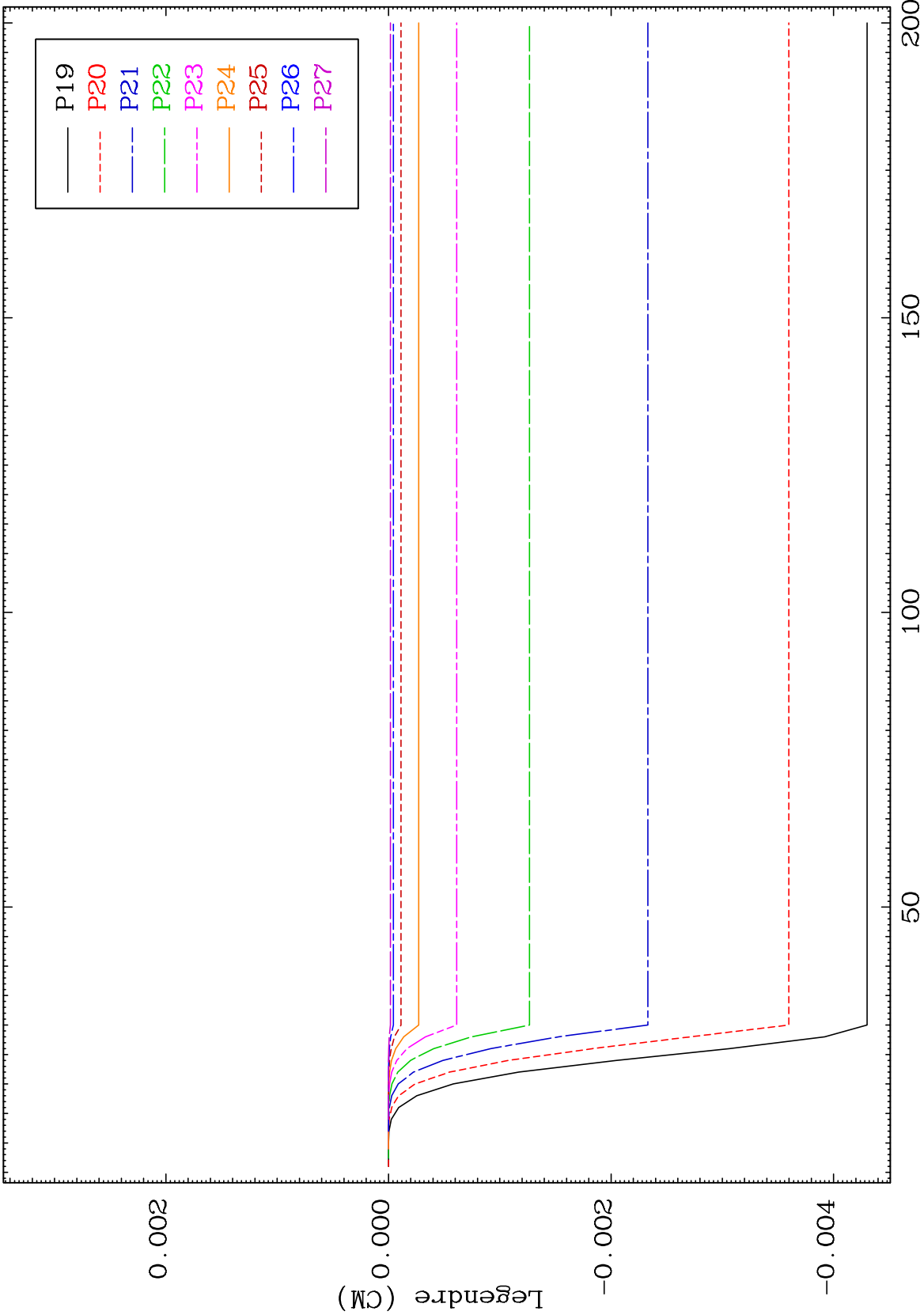
59-Pr-142



59-Pr-142

Incident Energy (MeV)

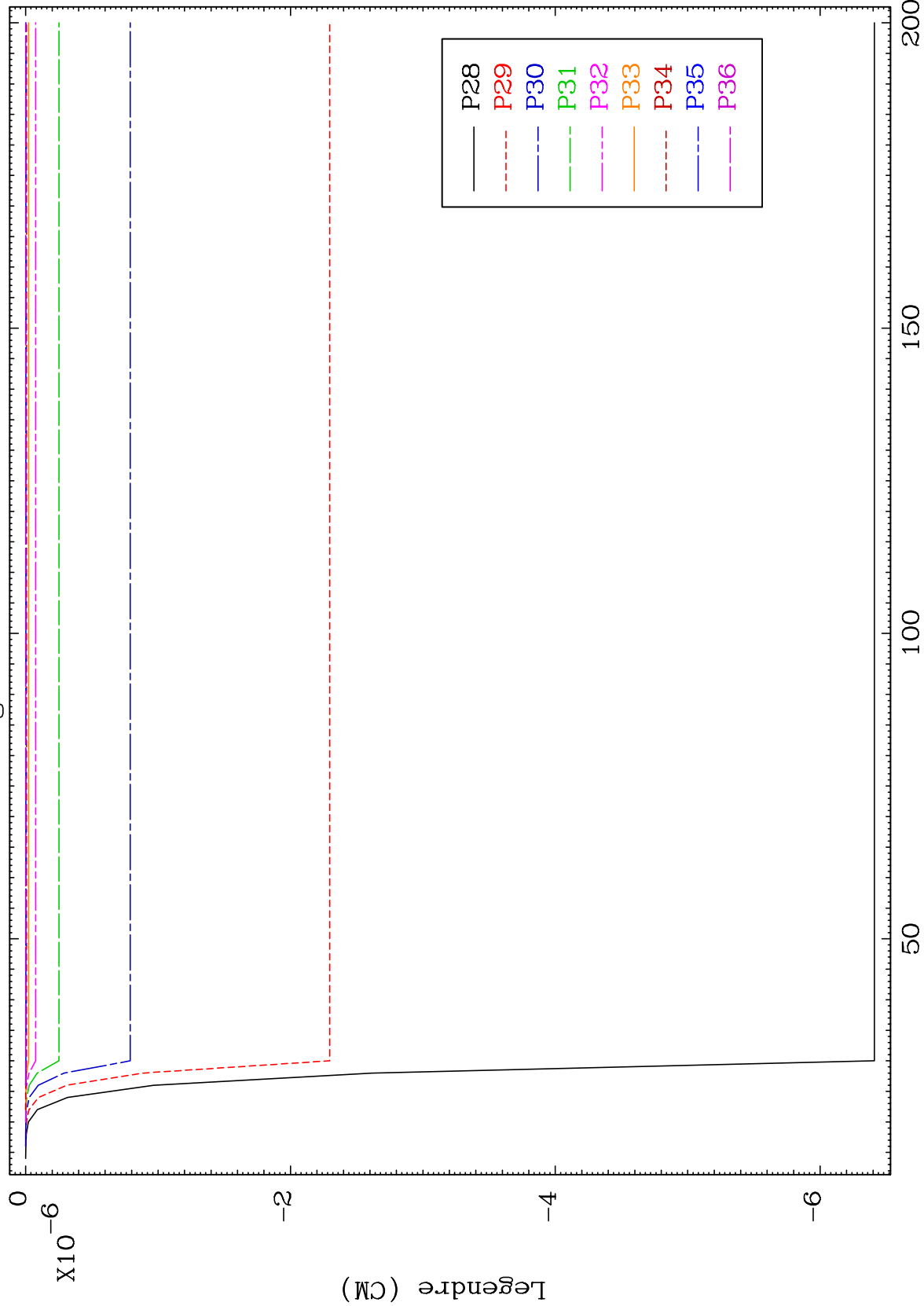
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MAT 5928

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

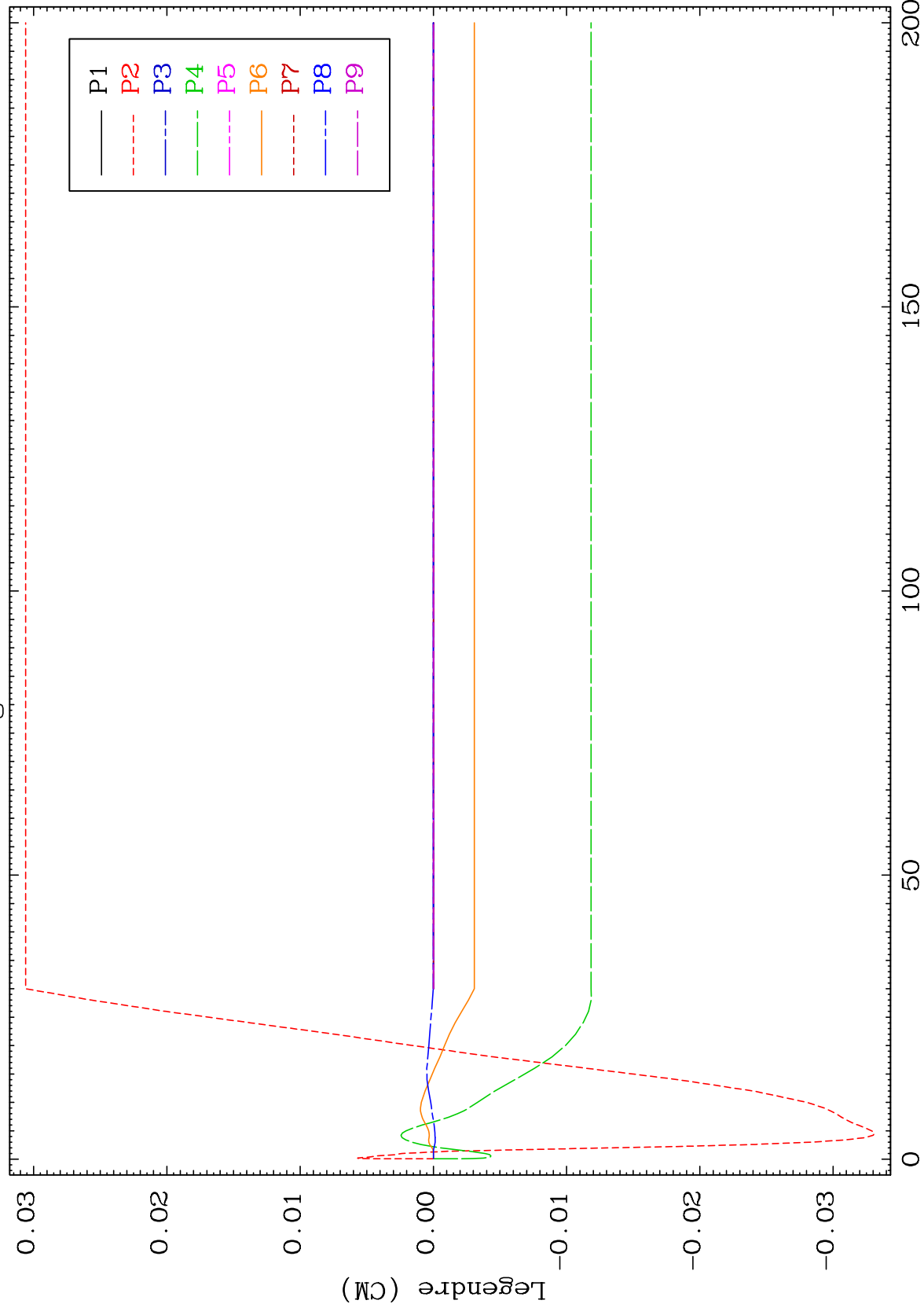
59-Pr-142



MAT 5928

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

59-Pr-142



28

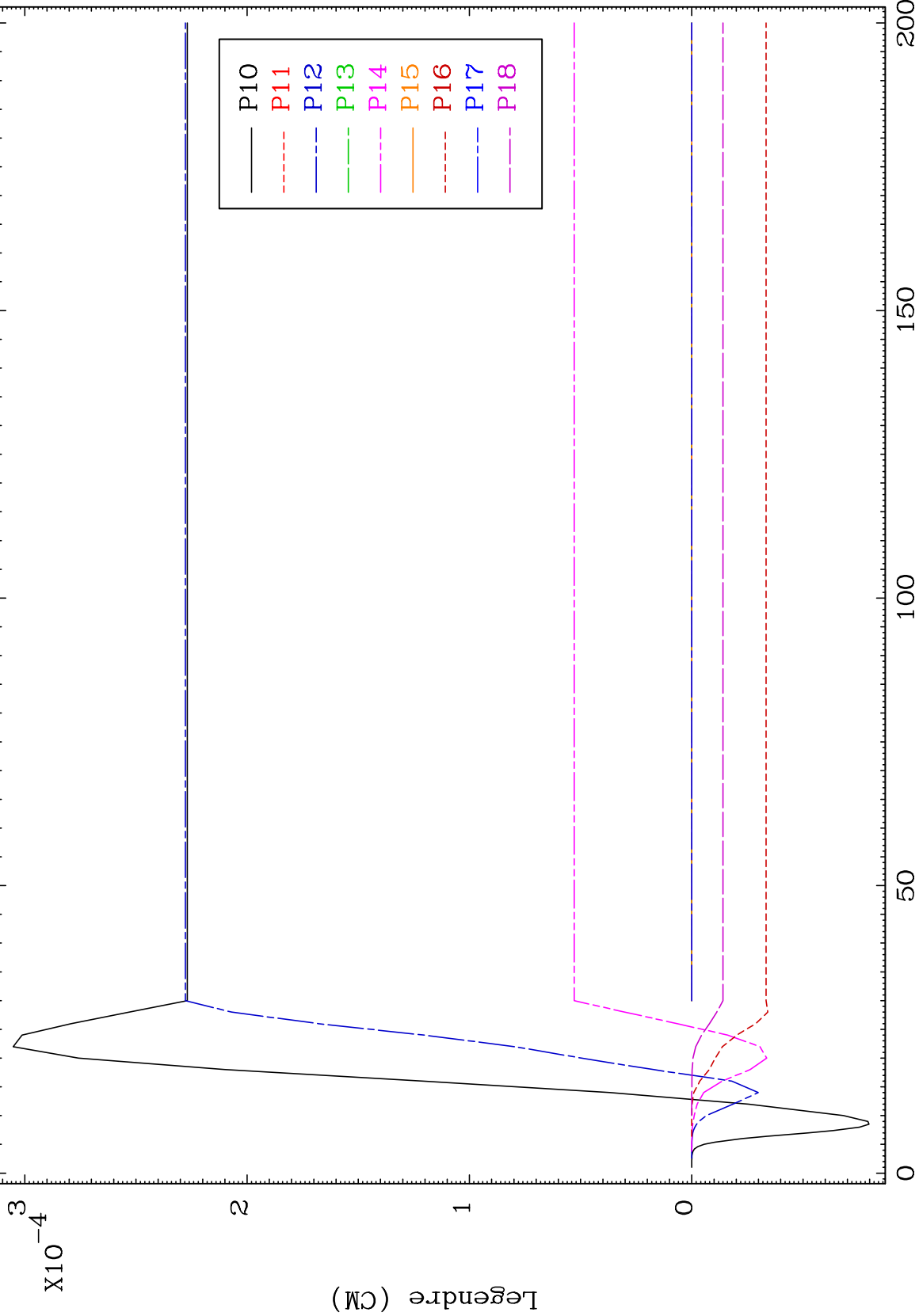
Incident Energy (MeV)

59-Pr-142

MAT 5928

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

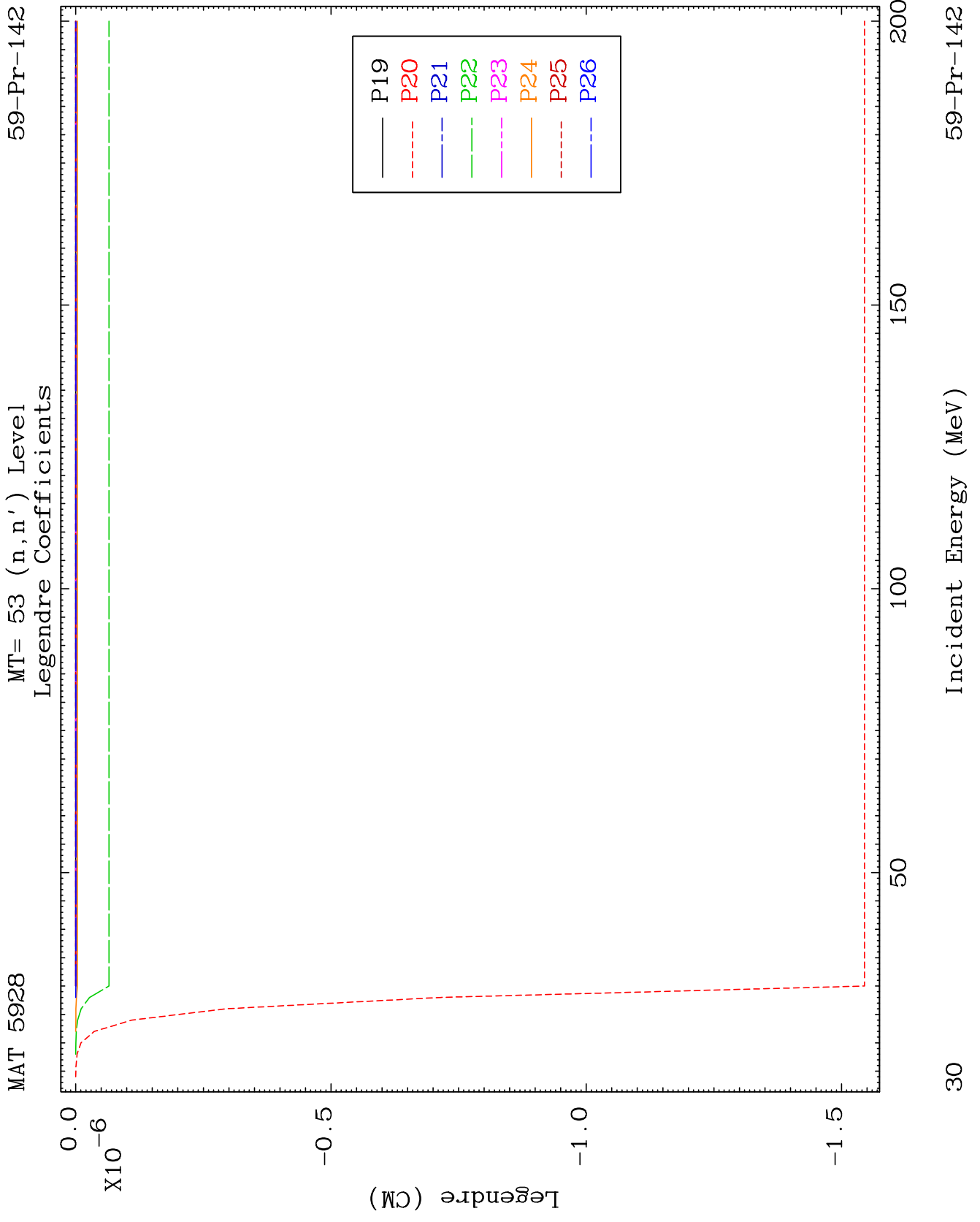
59-Pr-142



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Incident Energy (MeV)

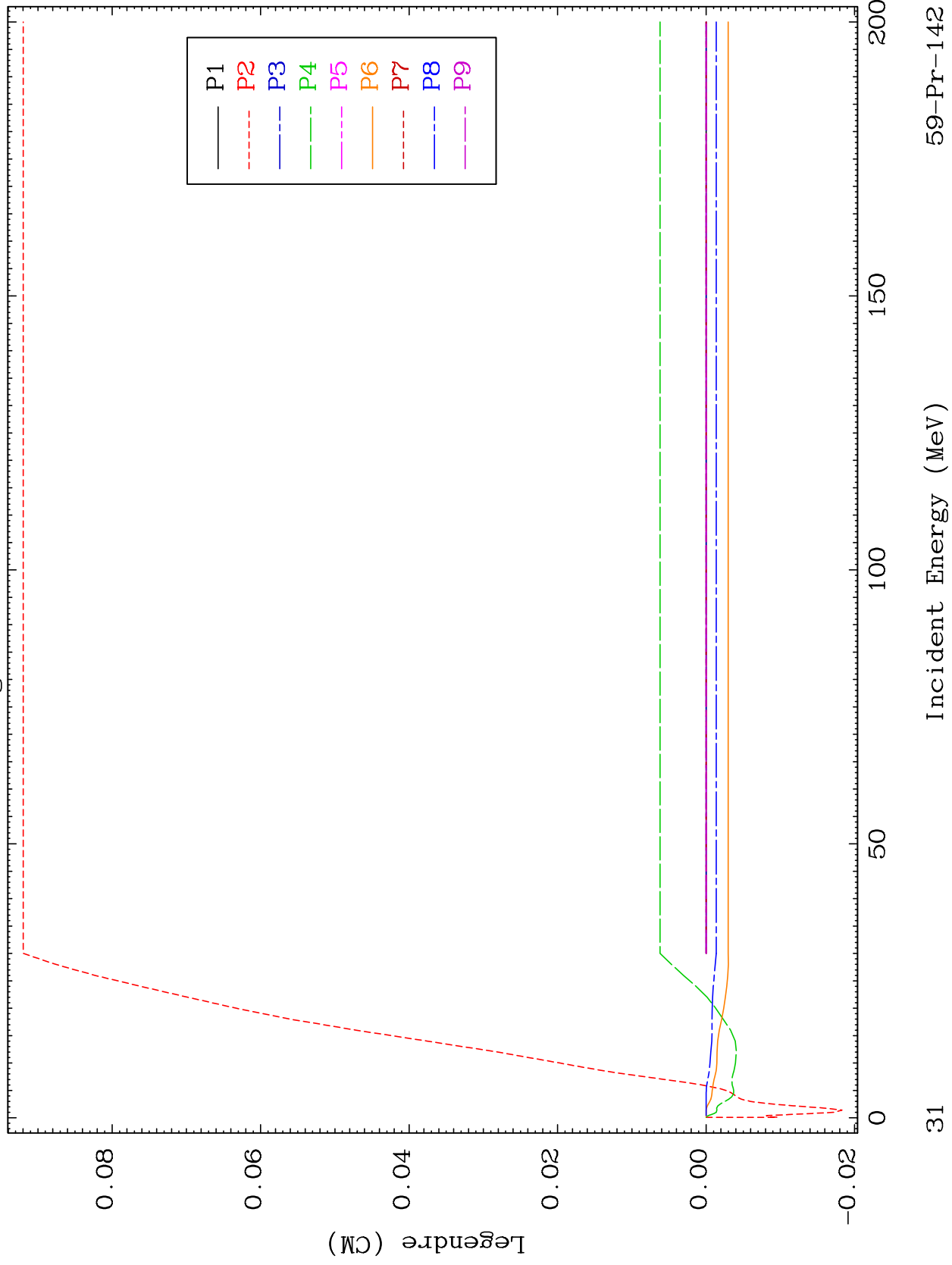
59-Pr-142



MAT 5928

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

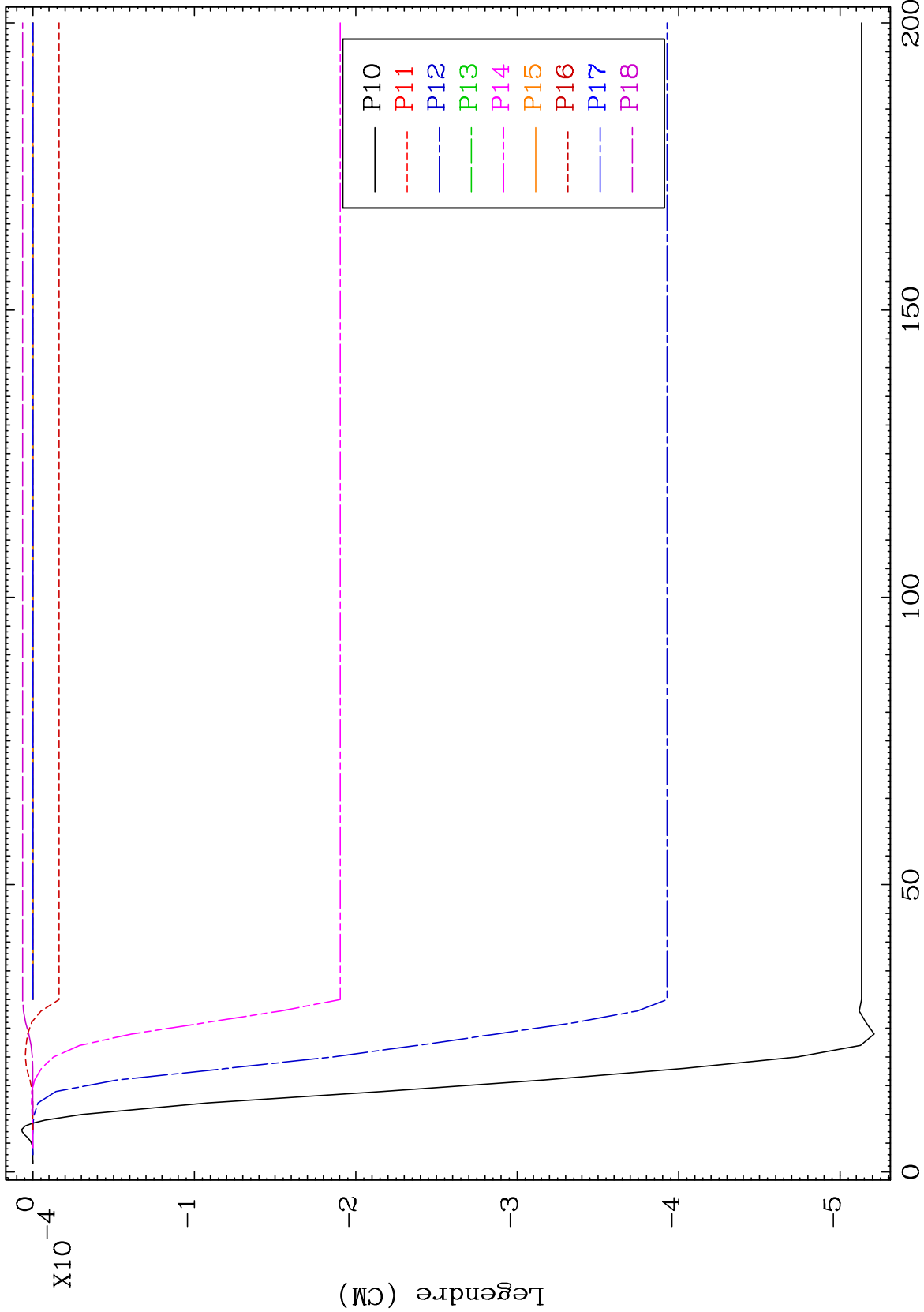
59-Pr-142



59-Pr-142

Incident Energy (MeV)

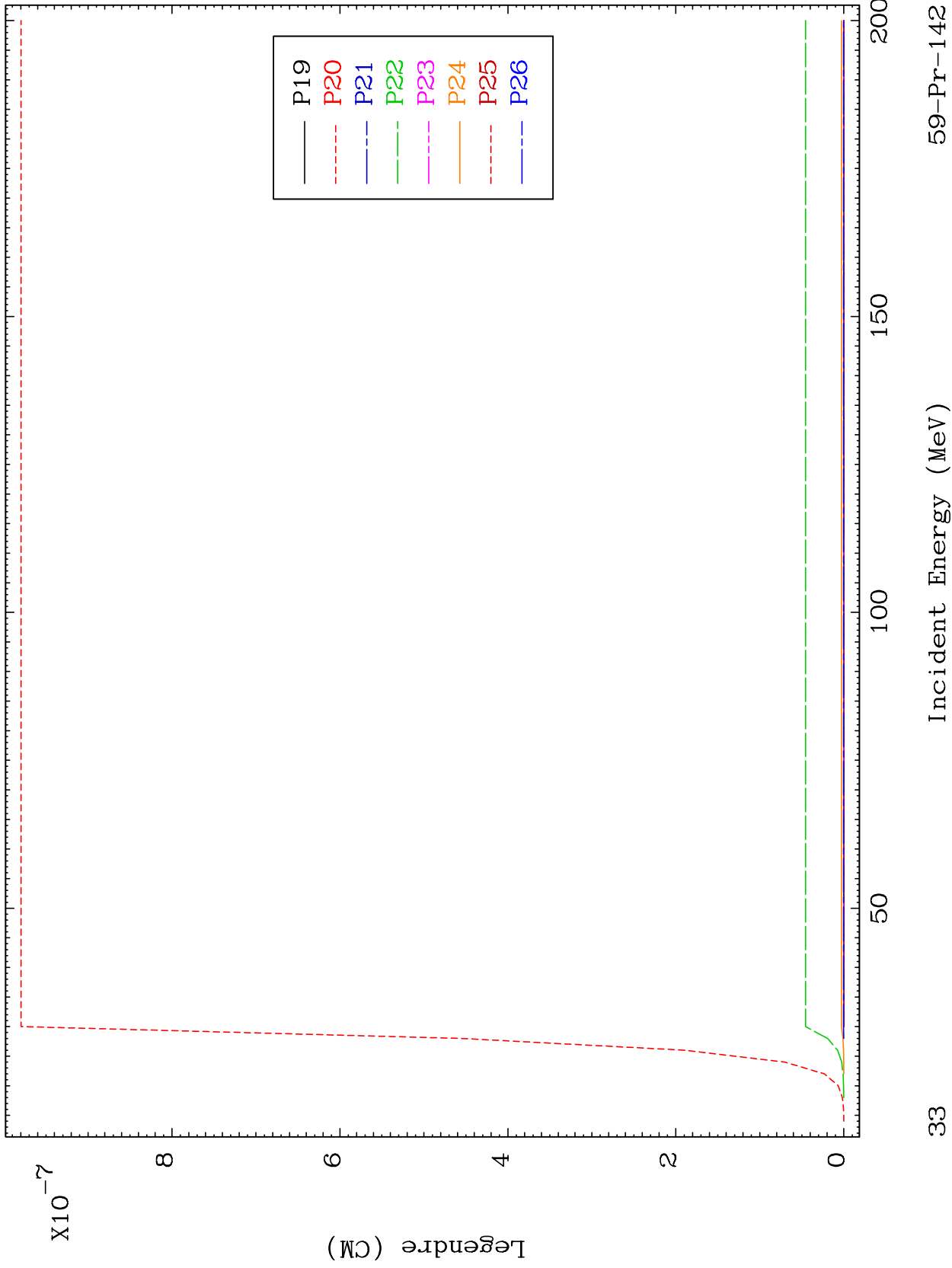
31



MAT 5928

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

59-Pr-142



33

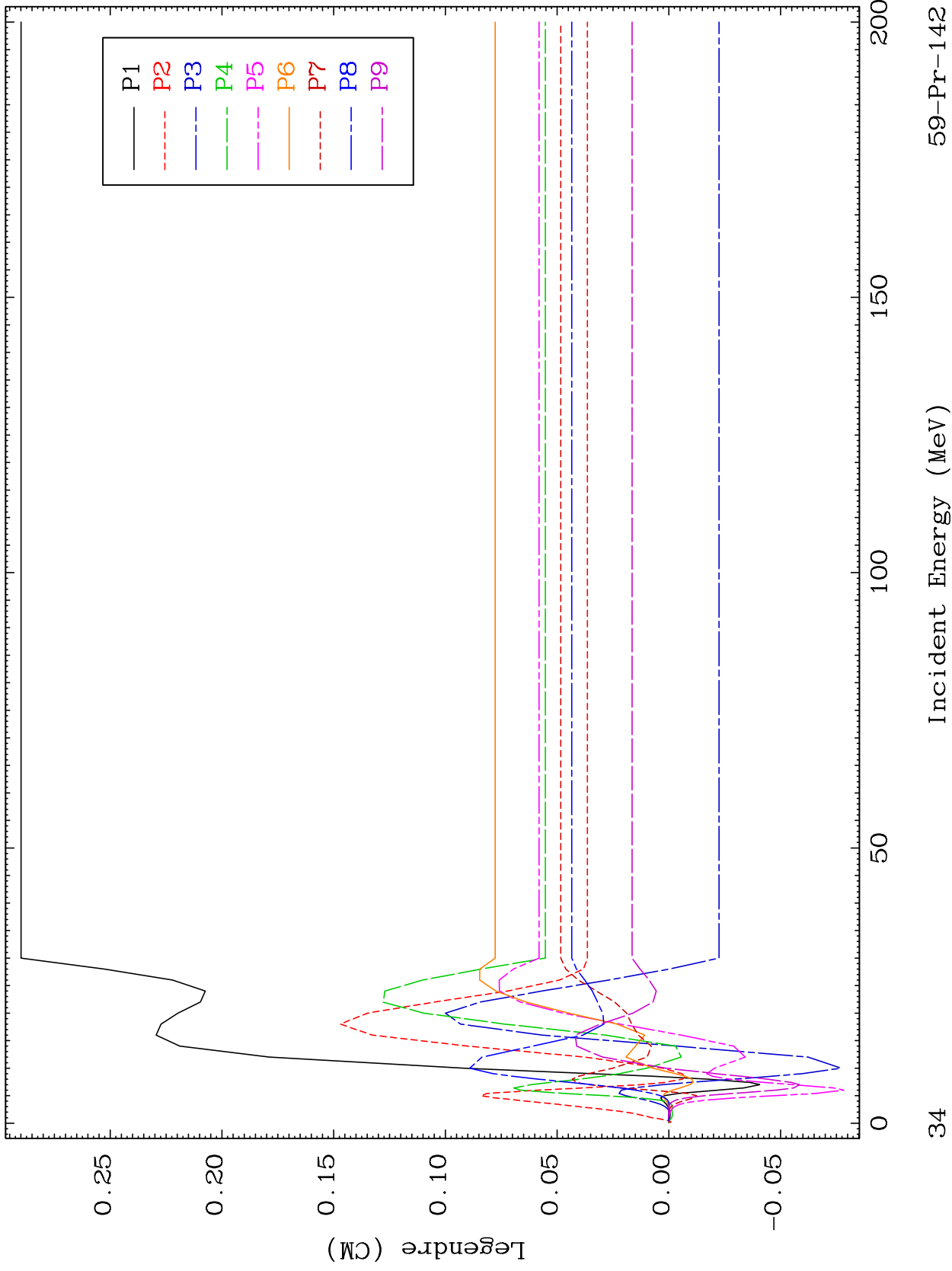
Incident Energy (MeV)

59-Pr-142

MAT 5928

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

59-Pr-142



34

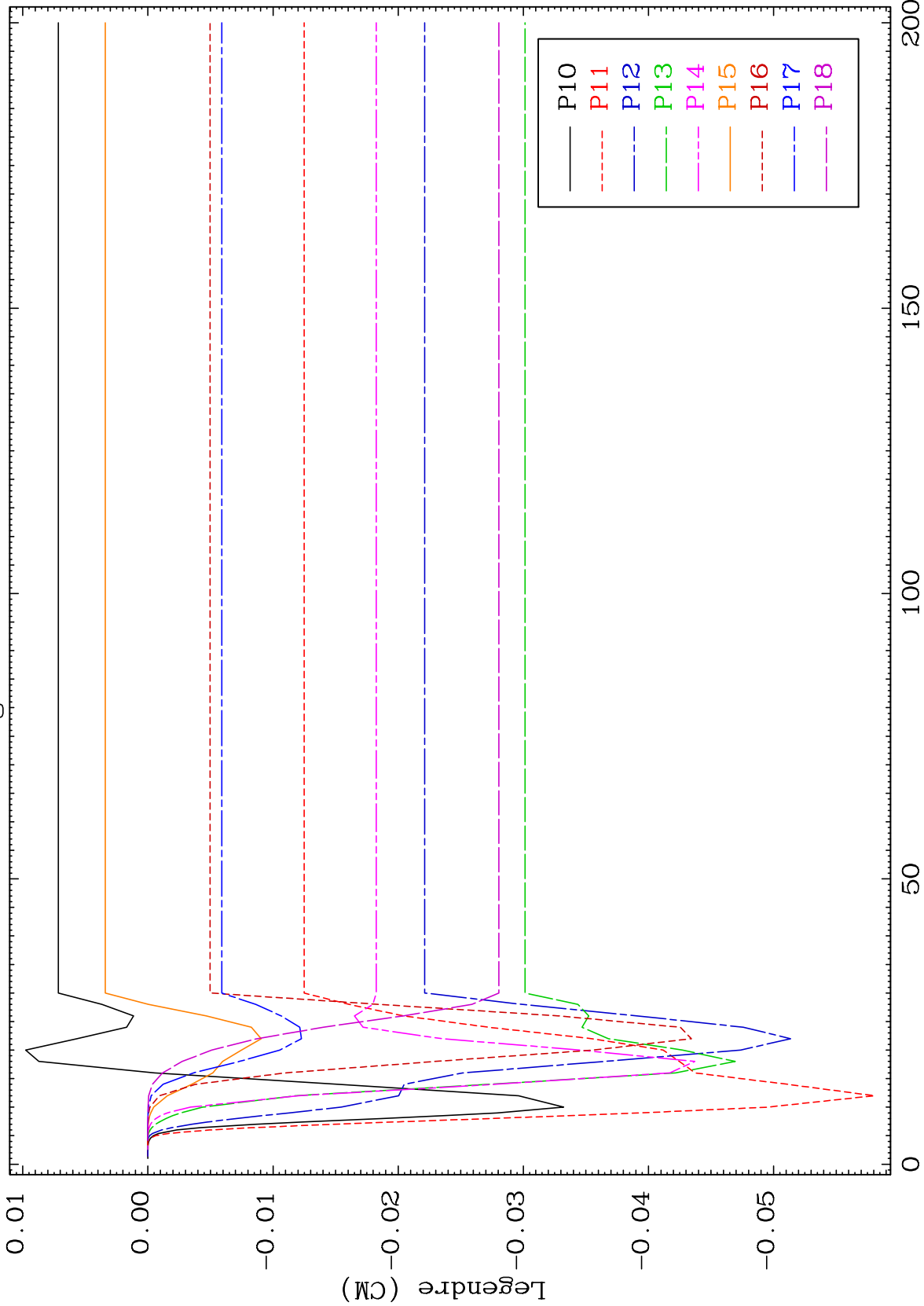
Incident Energy (MeV)

59-Pr-142

MAT 5928

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

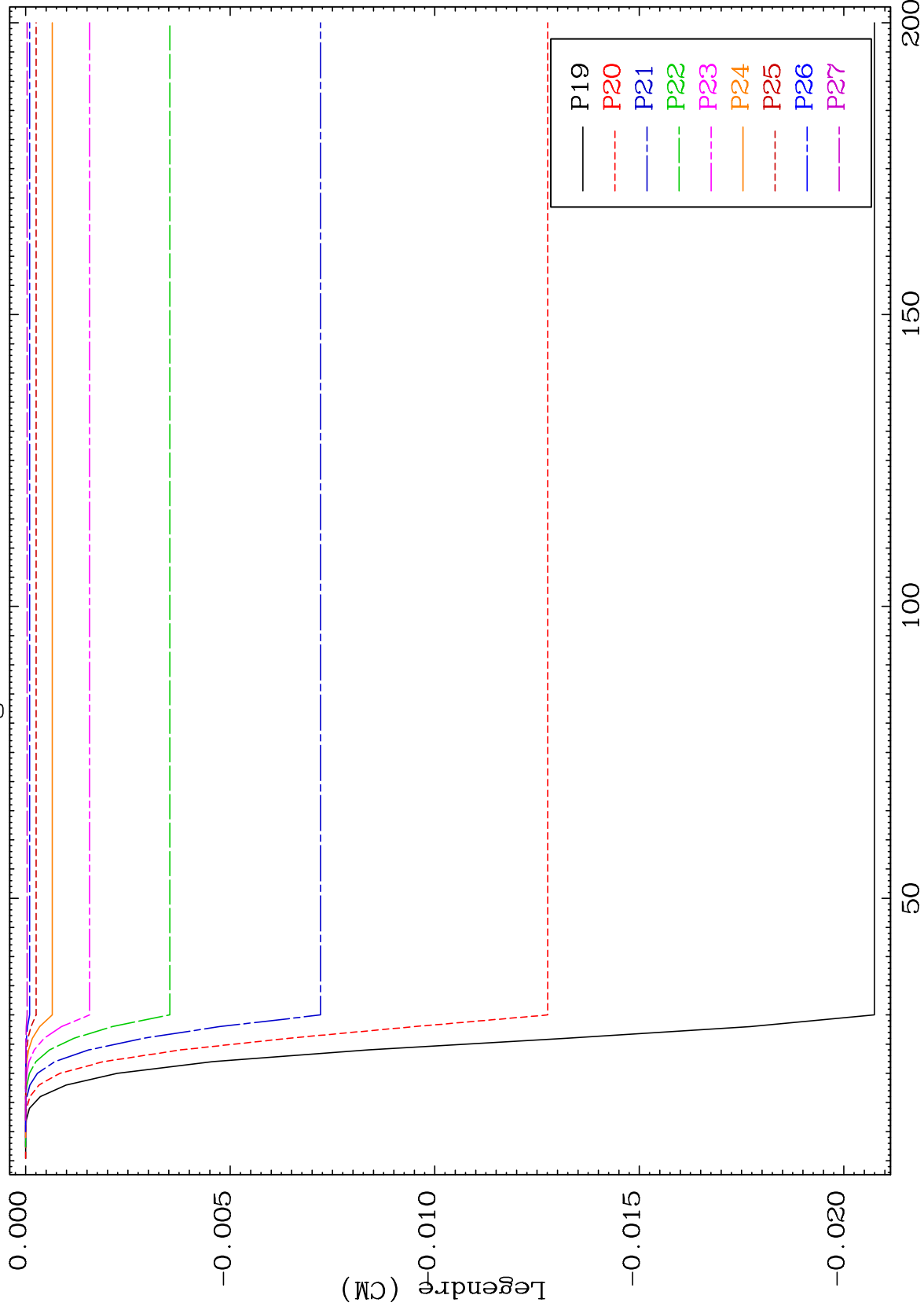
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35

Incident Energy (MeV)

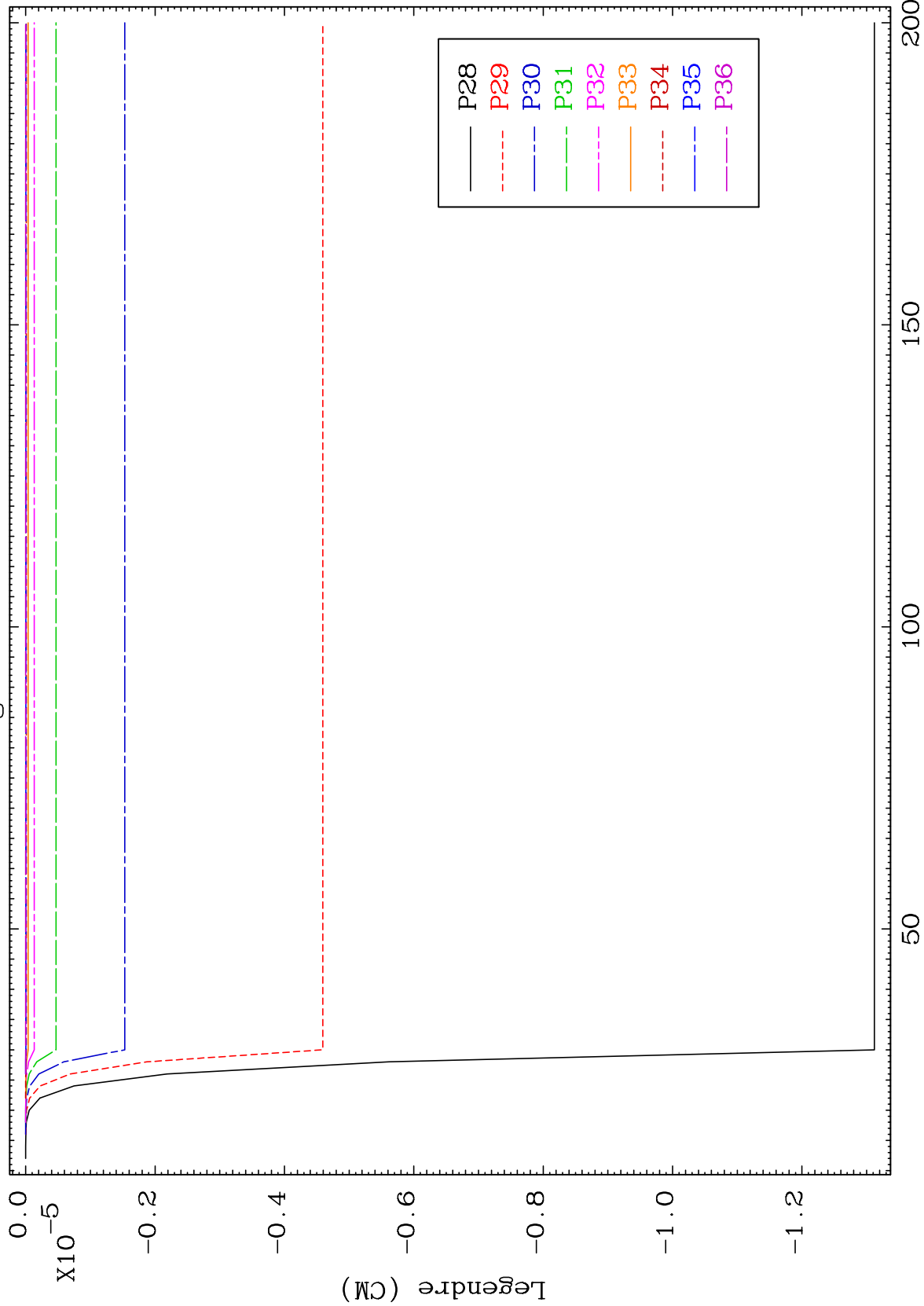
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MAT 5928

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

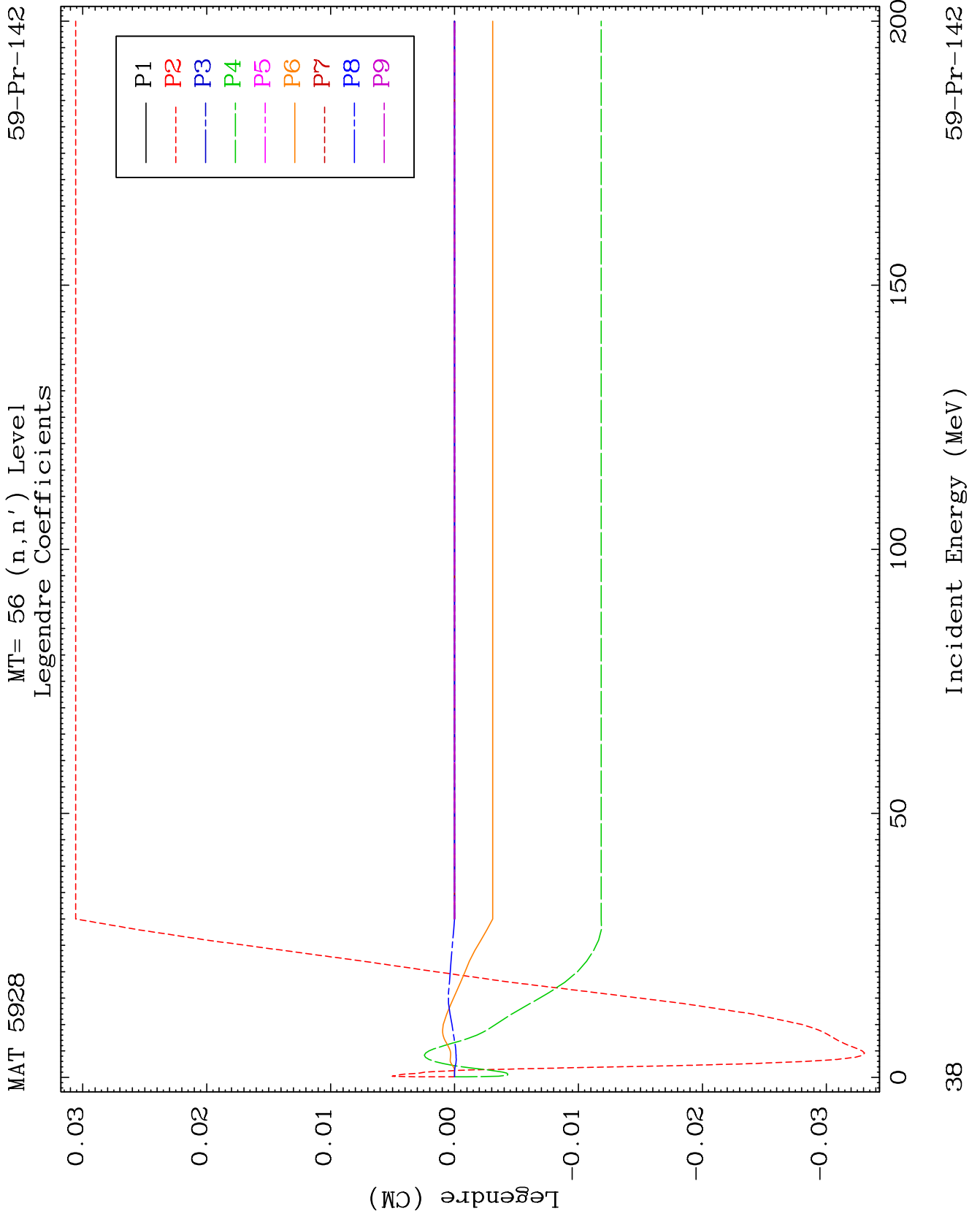
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37

Incident Energy (MeV)

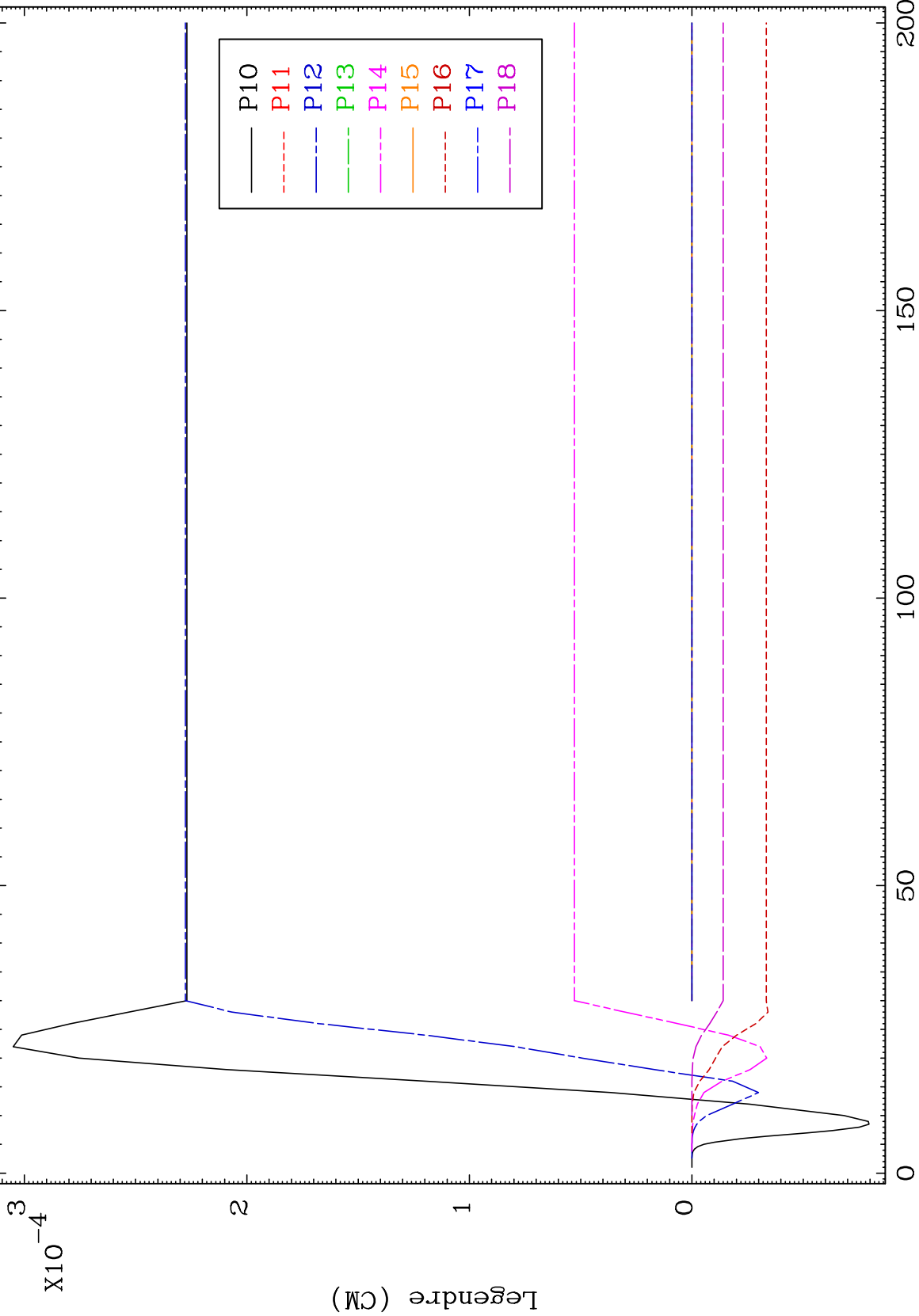
59-Pr-142



MAT 5928

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

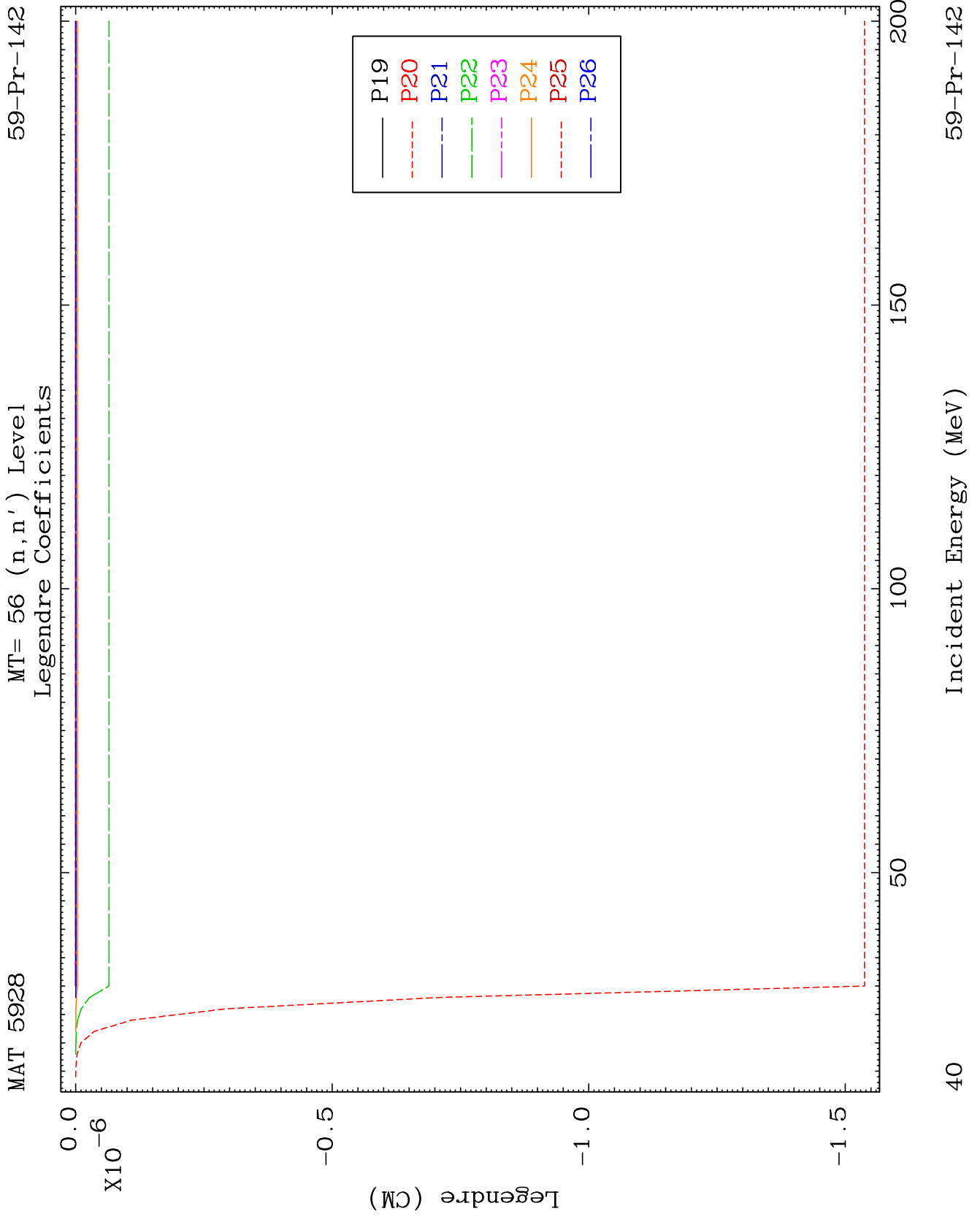
59-Pr-142



39

Incident Energy (MeV)

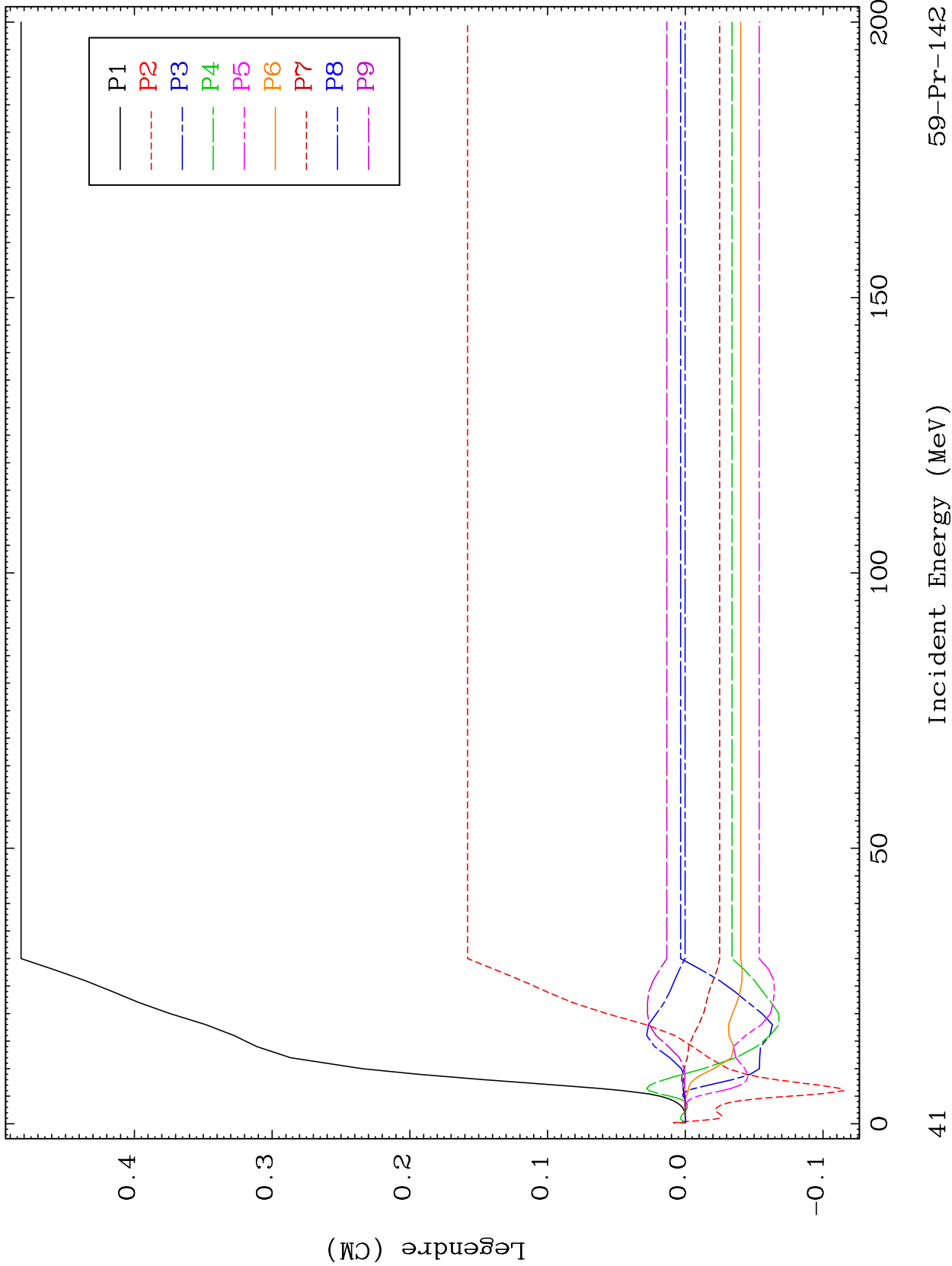
59-Pr-142



MAT 5928

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

59-Pr-142



59-Pr-142

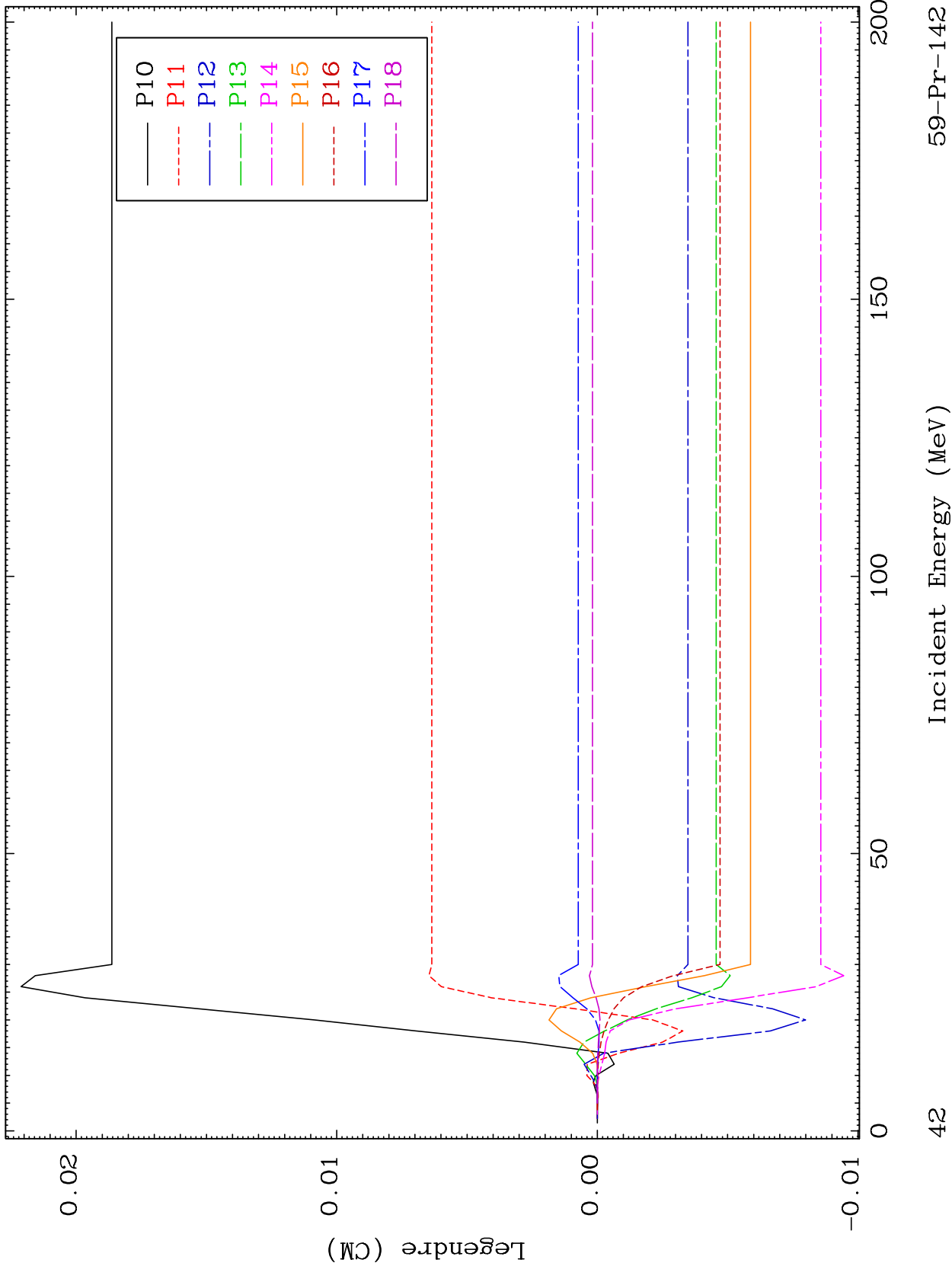
Incident Energy (MeV)

41

MAT 5928

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

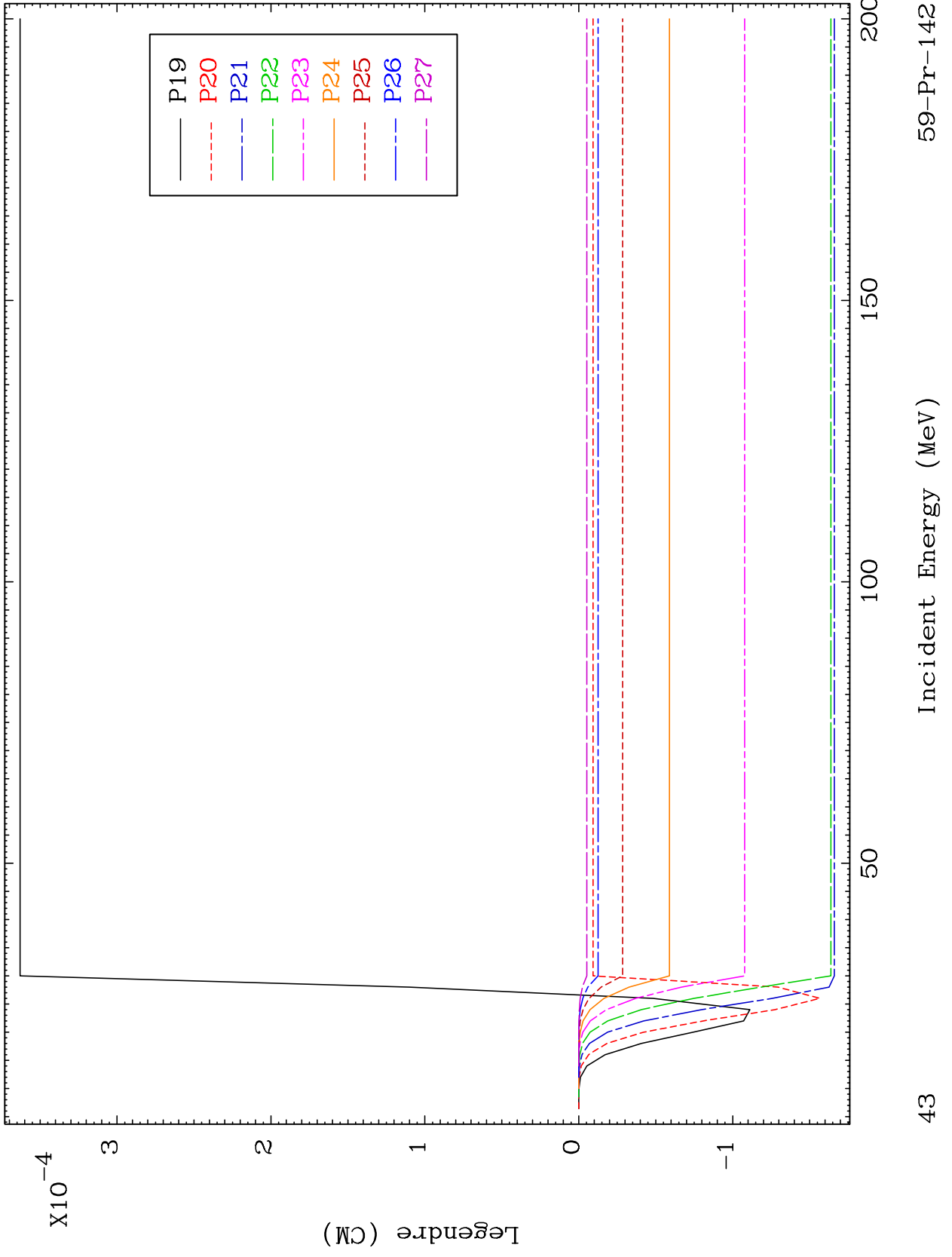
59-Pr-142

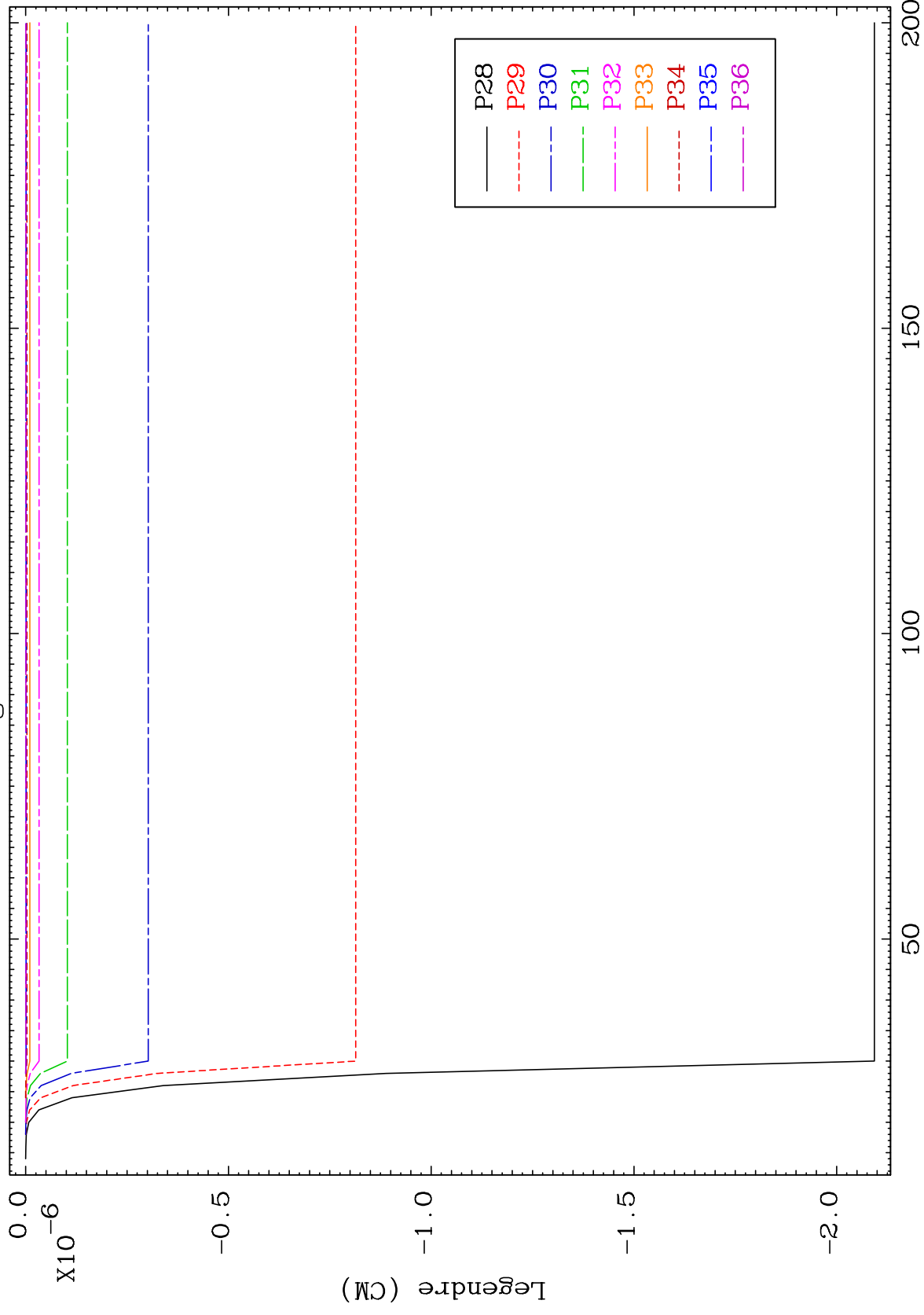


42

Incident Energy (MeV)

59-Pr-142

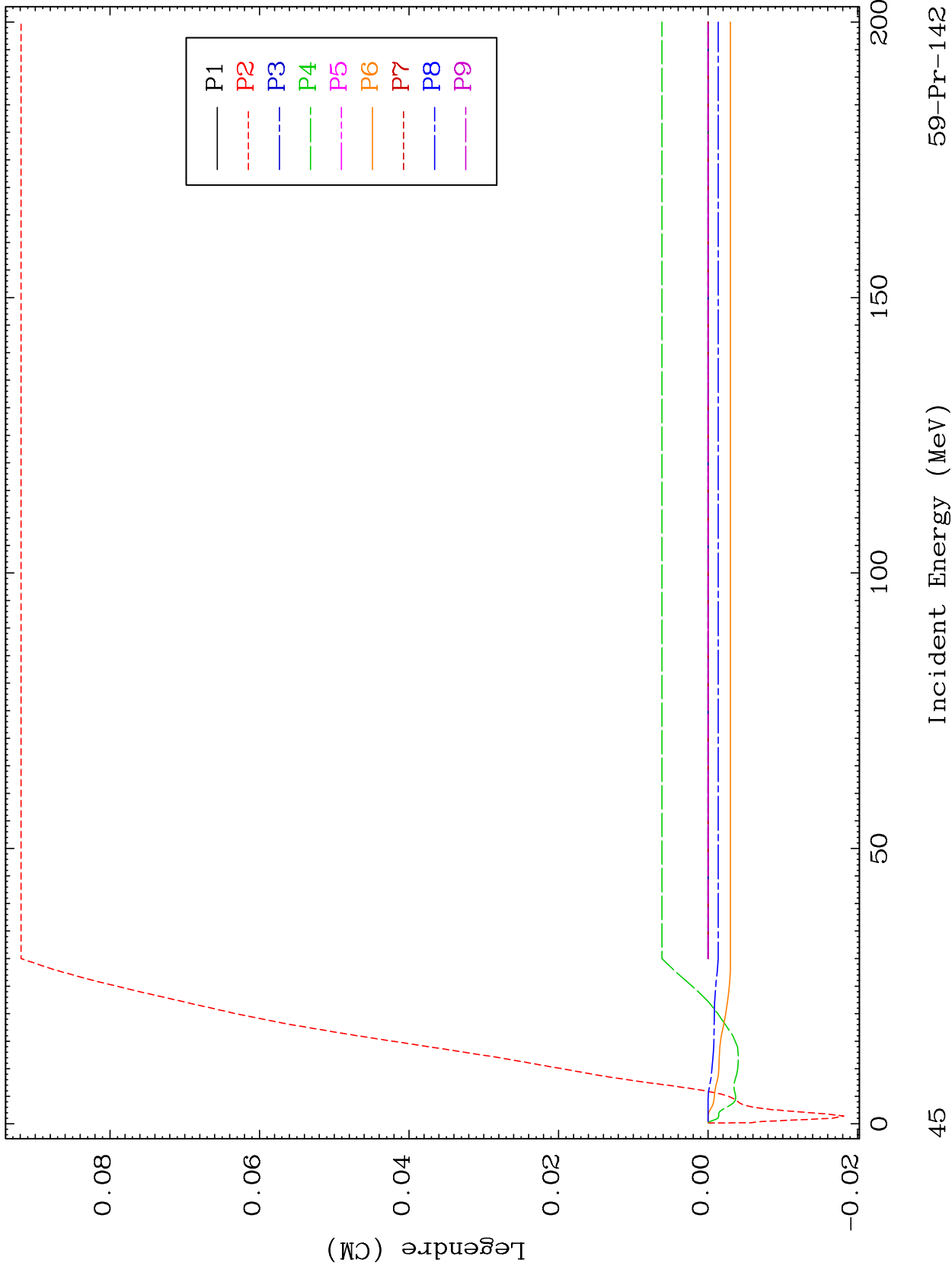




MAT 5928

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

59-Pr-142



59-Pr-142

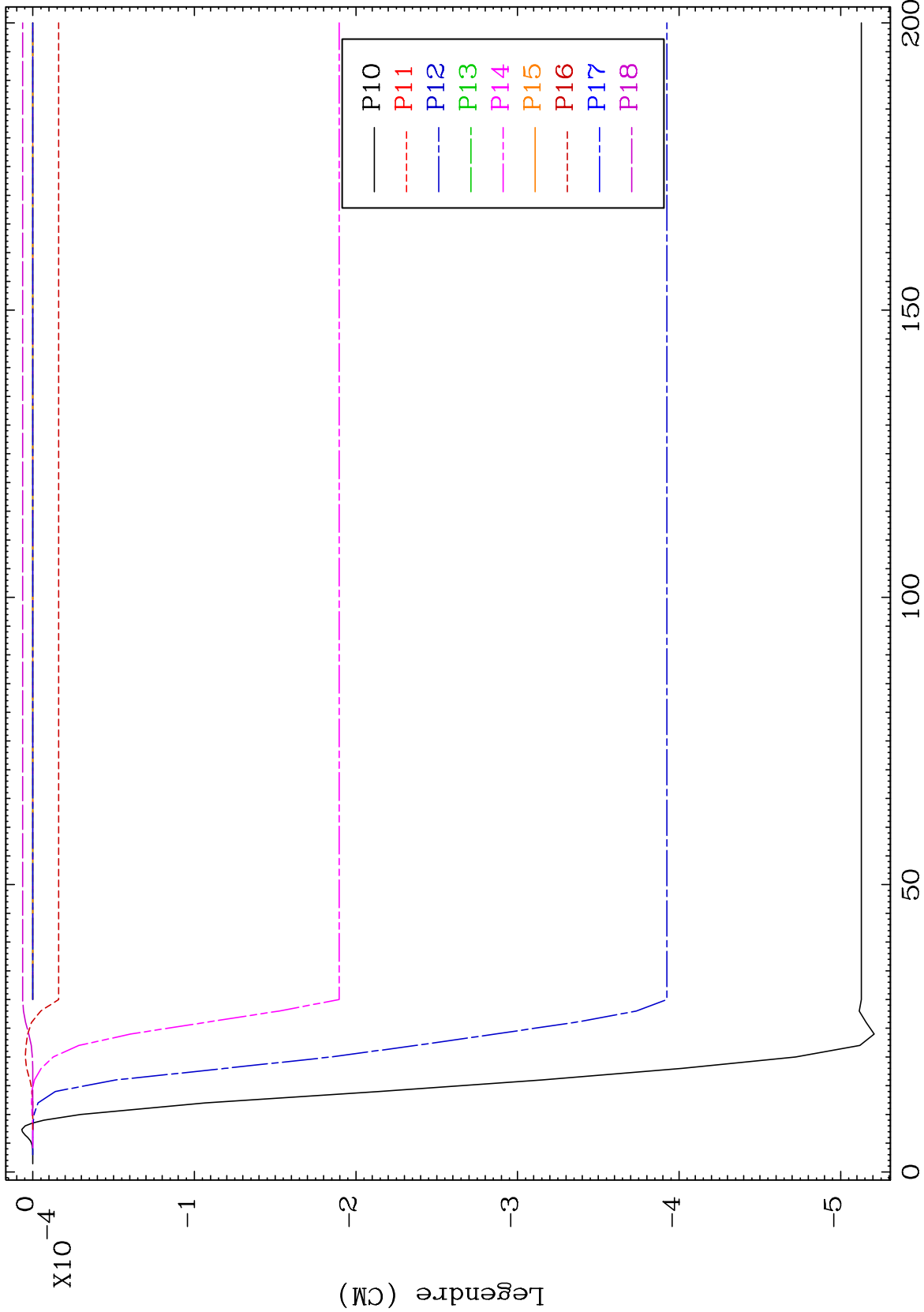
Incident Energy (MeV)

45

MAT 5928

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

59-Pr-142



46

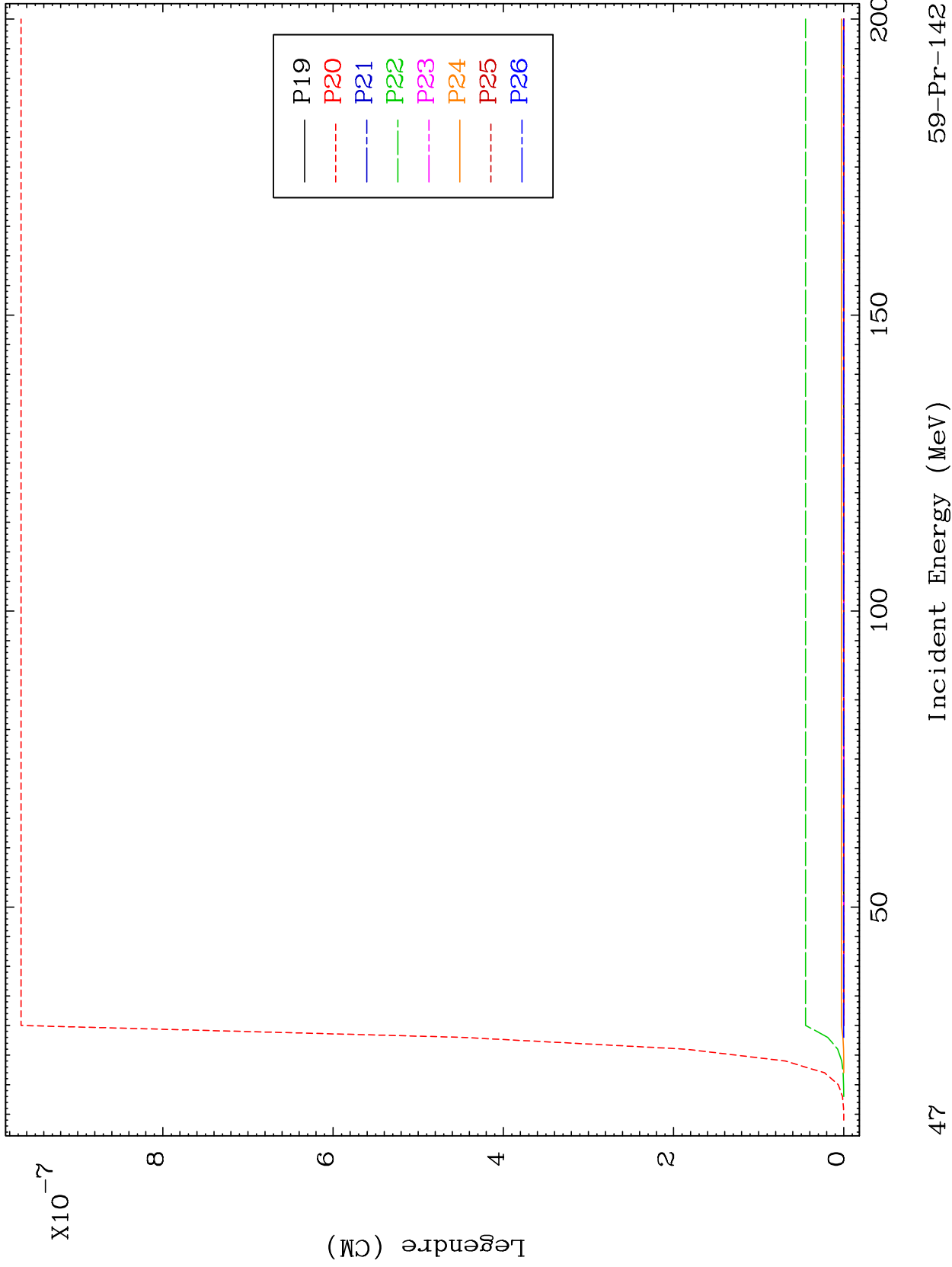
Incident Energy (MeV)

59-Pr-142

MAT 5928

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

59-Pr-142



47

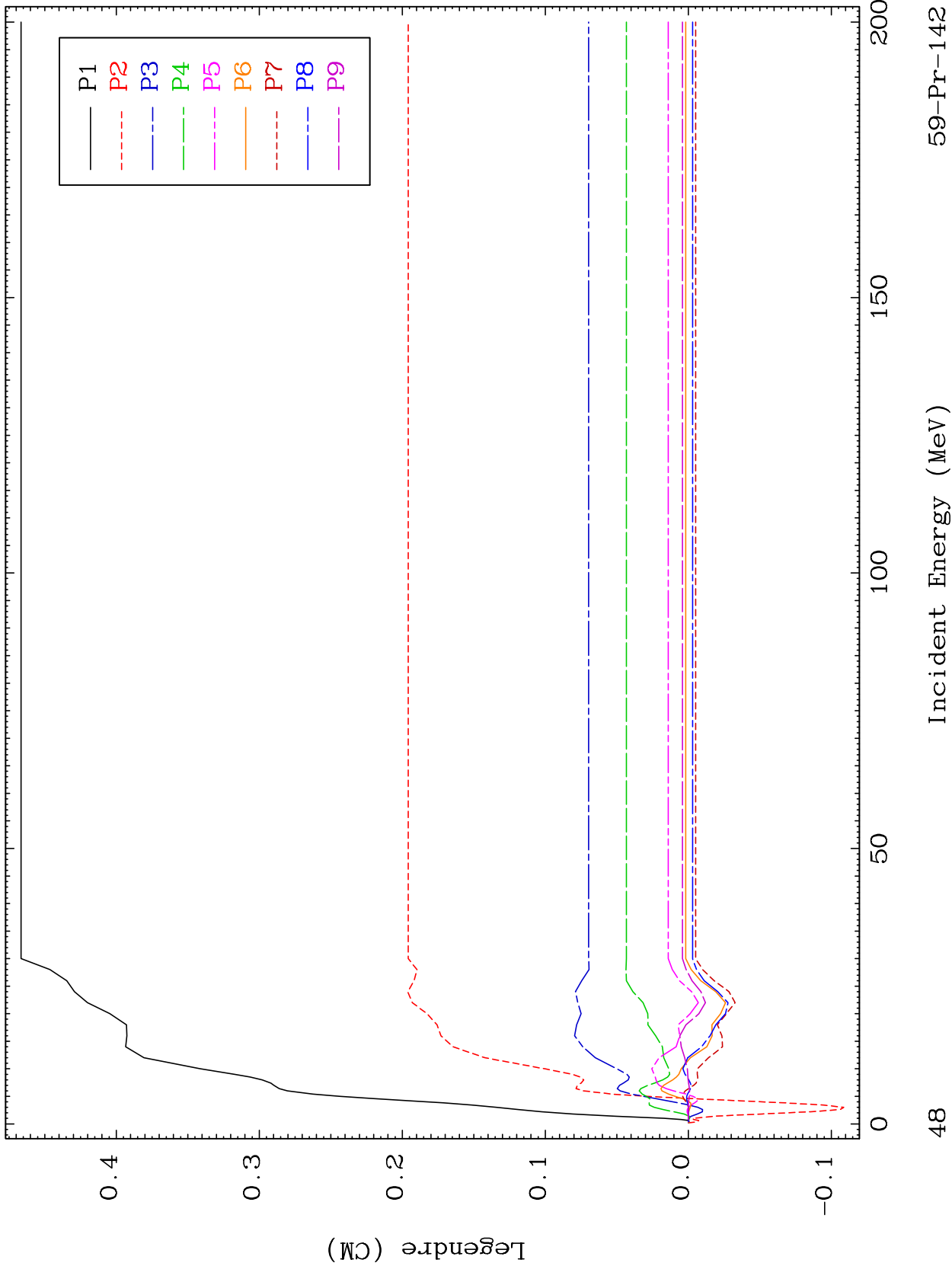
Incident Energy (MeV)

59-Pr-142

MAT 5928

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

59-Pr-142



59-Pr-142

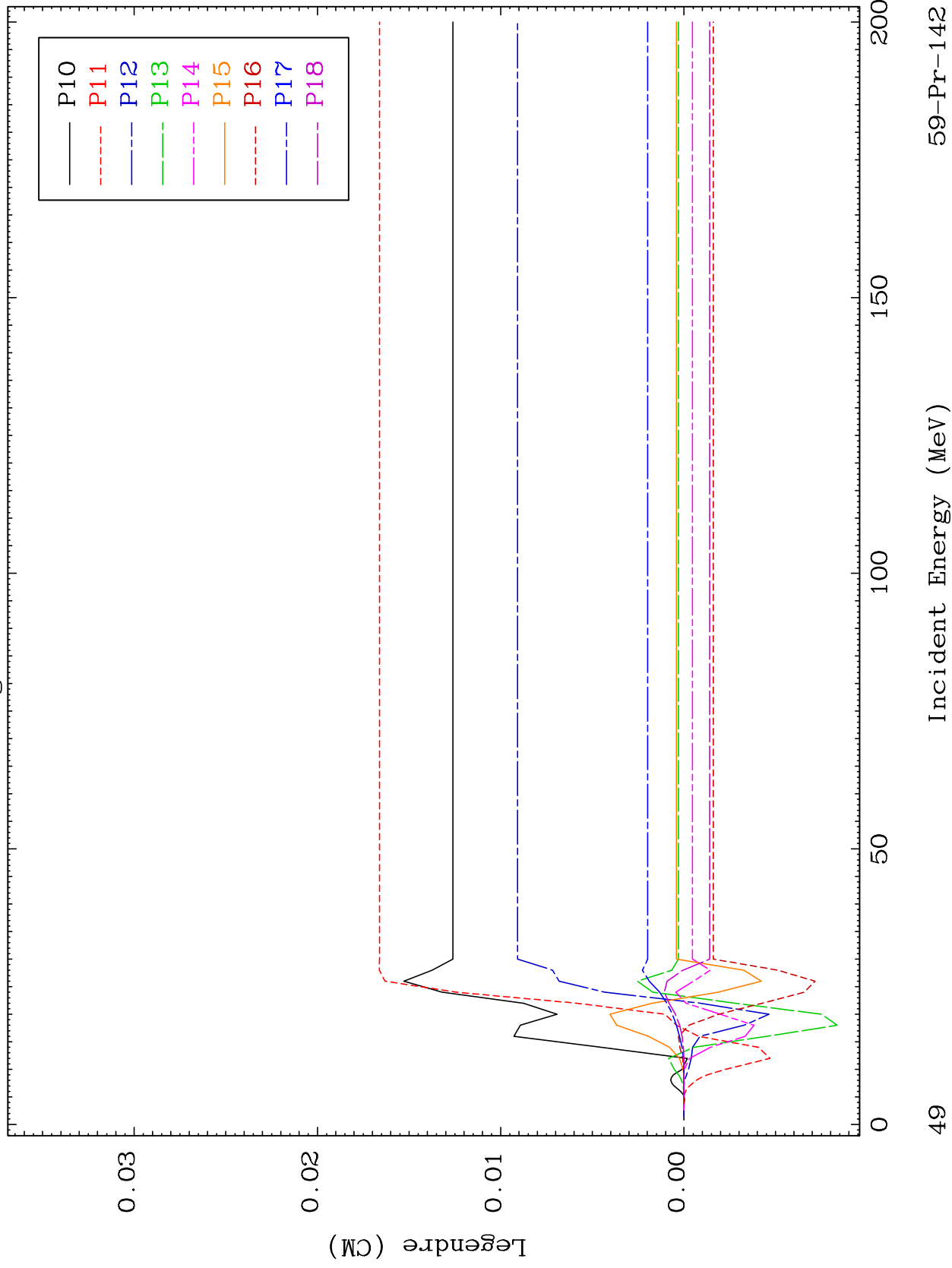
Incident Energy (MeV)

48

MAT 5928

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

59-Pr-142



49

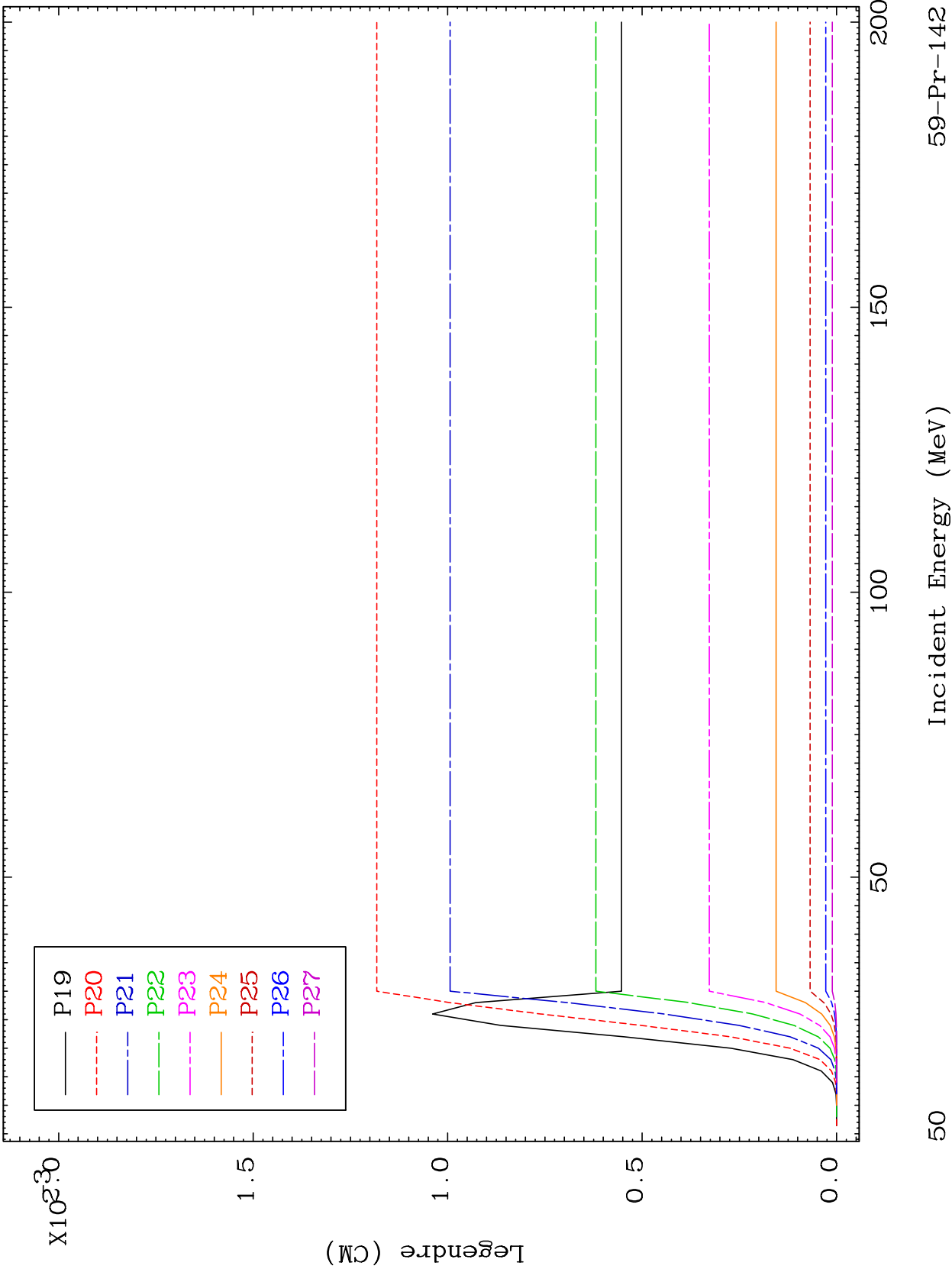
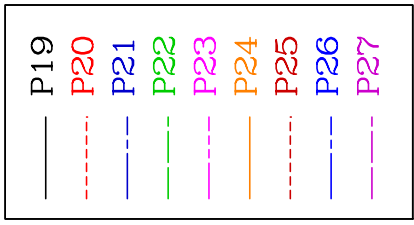
Incident Energy (MeV)

59-Pr-142

MAT 5928

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

59-Pr-142



59-Pr-142

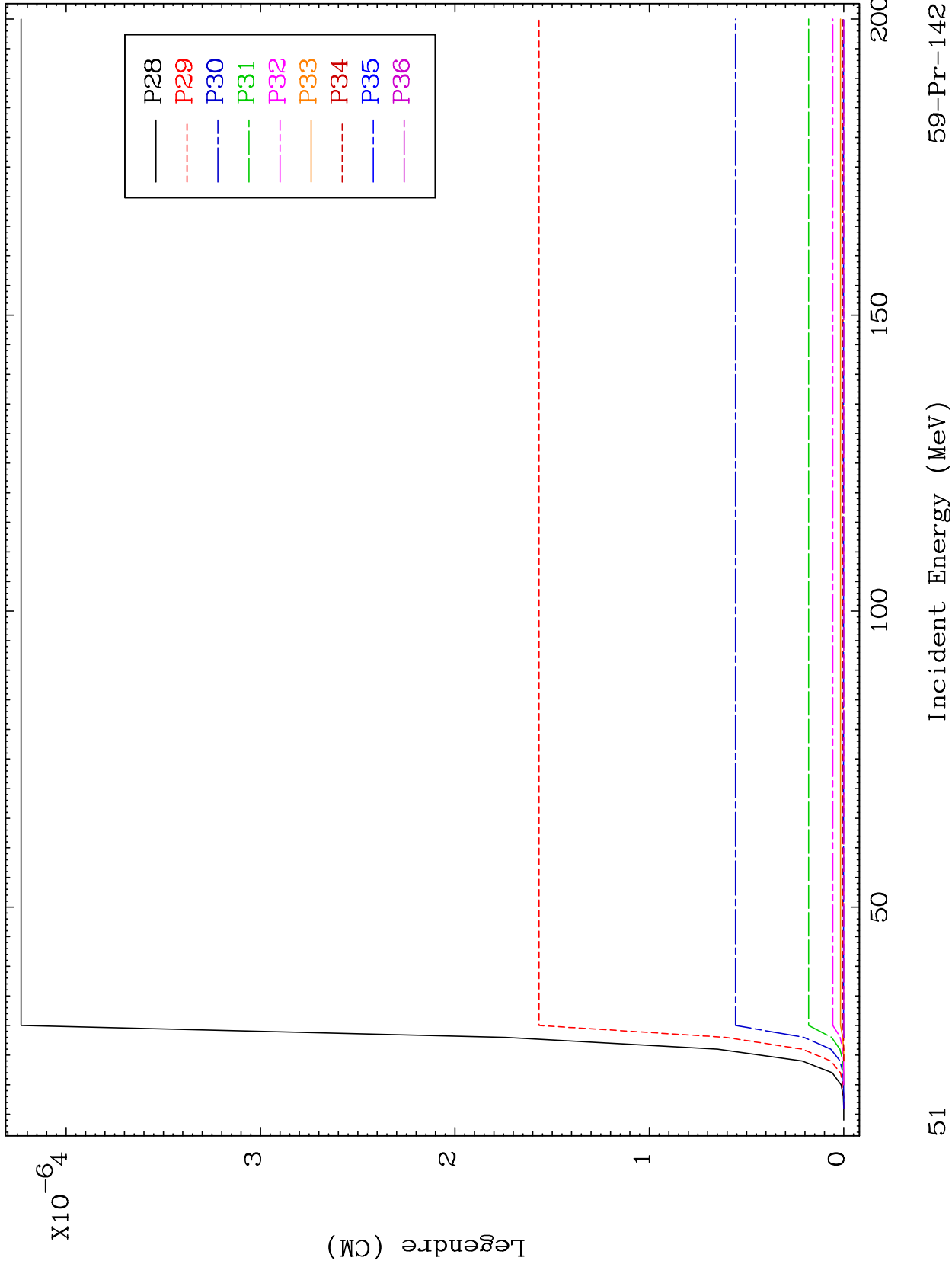
Incident Energy (MeV)

50

MAT 5928

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

59-Pr-142



51

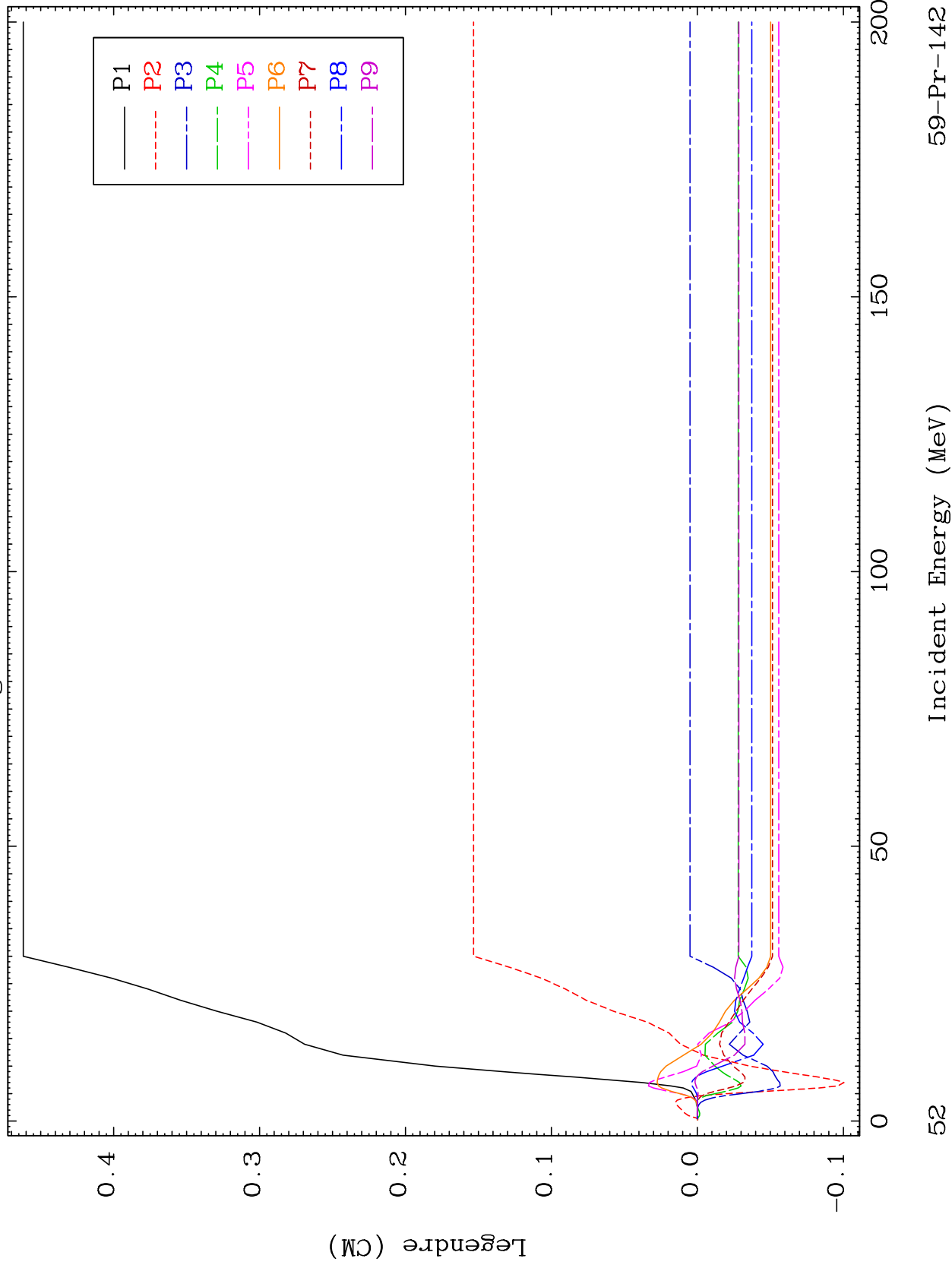
Incident Energy (MeV)

59-Pr-142

MAT 5928

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

59-Pr-142



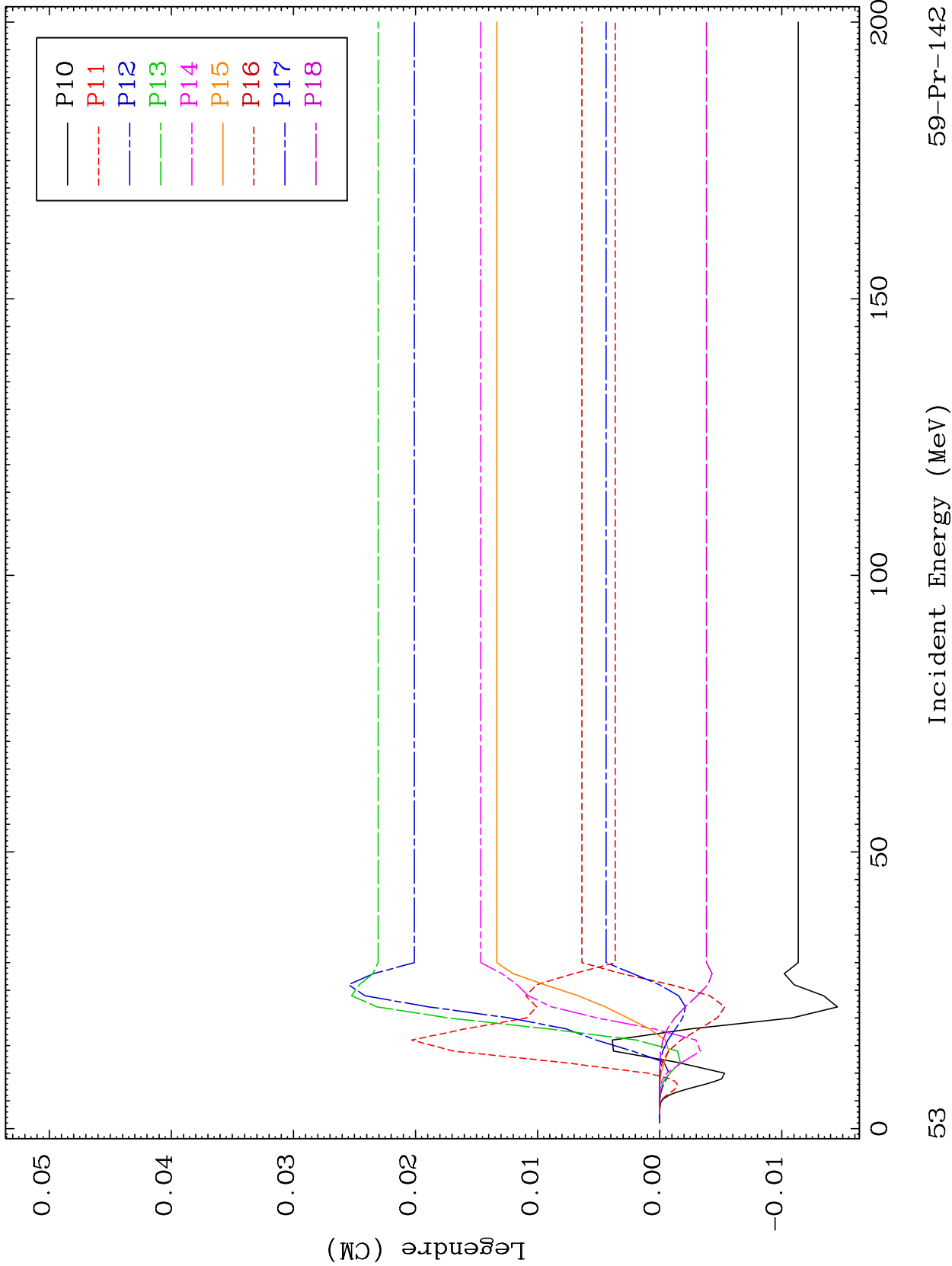
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59-Pr-142

MAT 5928

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

59-Pr-142



53

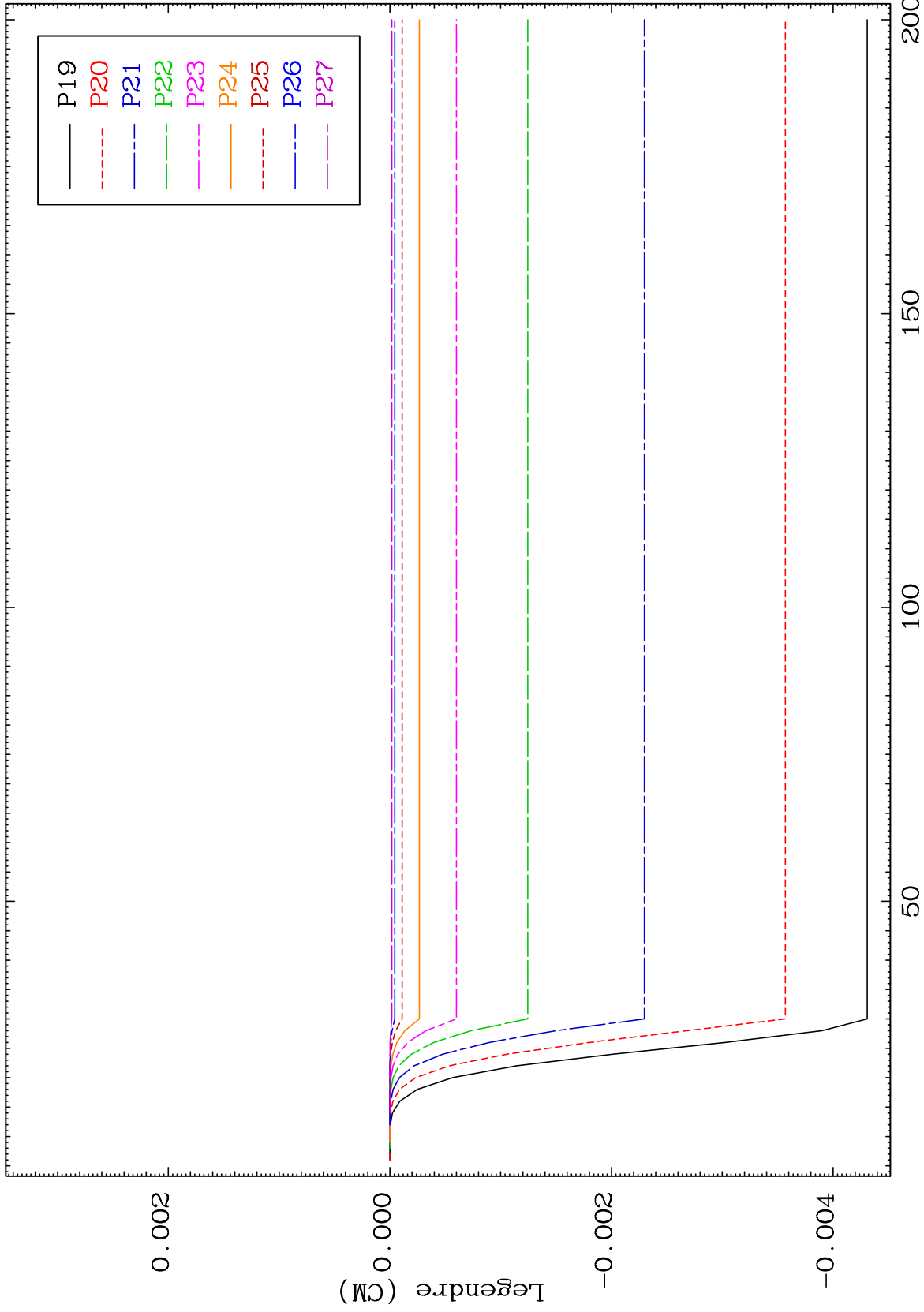
Incident Energy (MeV)

59-Pr-142

MAT 5928

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

59-Pr-142



54

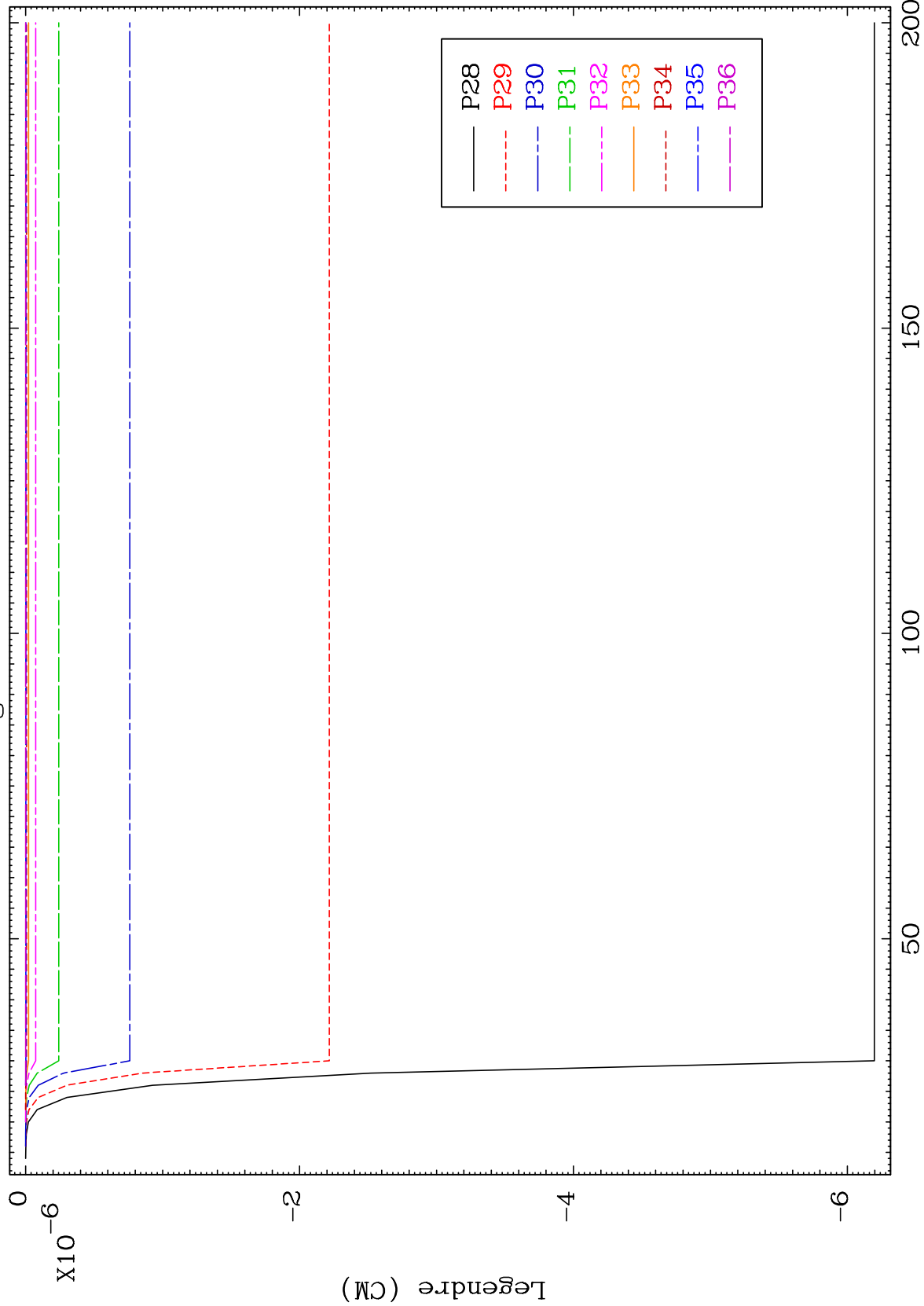
Incident Energy (MeV)

59-Pr-142

MAT 5928

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

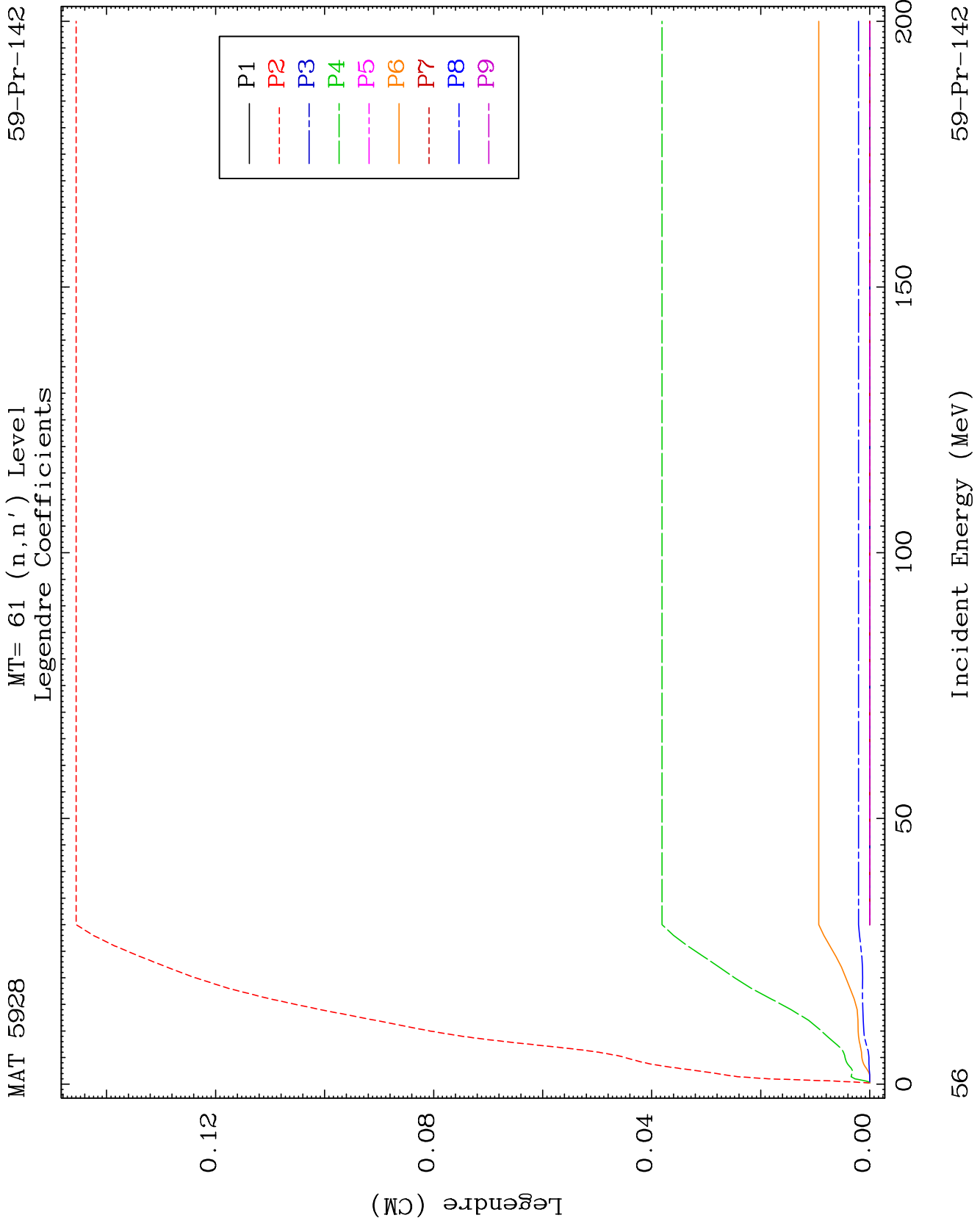
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55

Incident Energy (MeV)

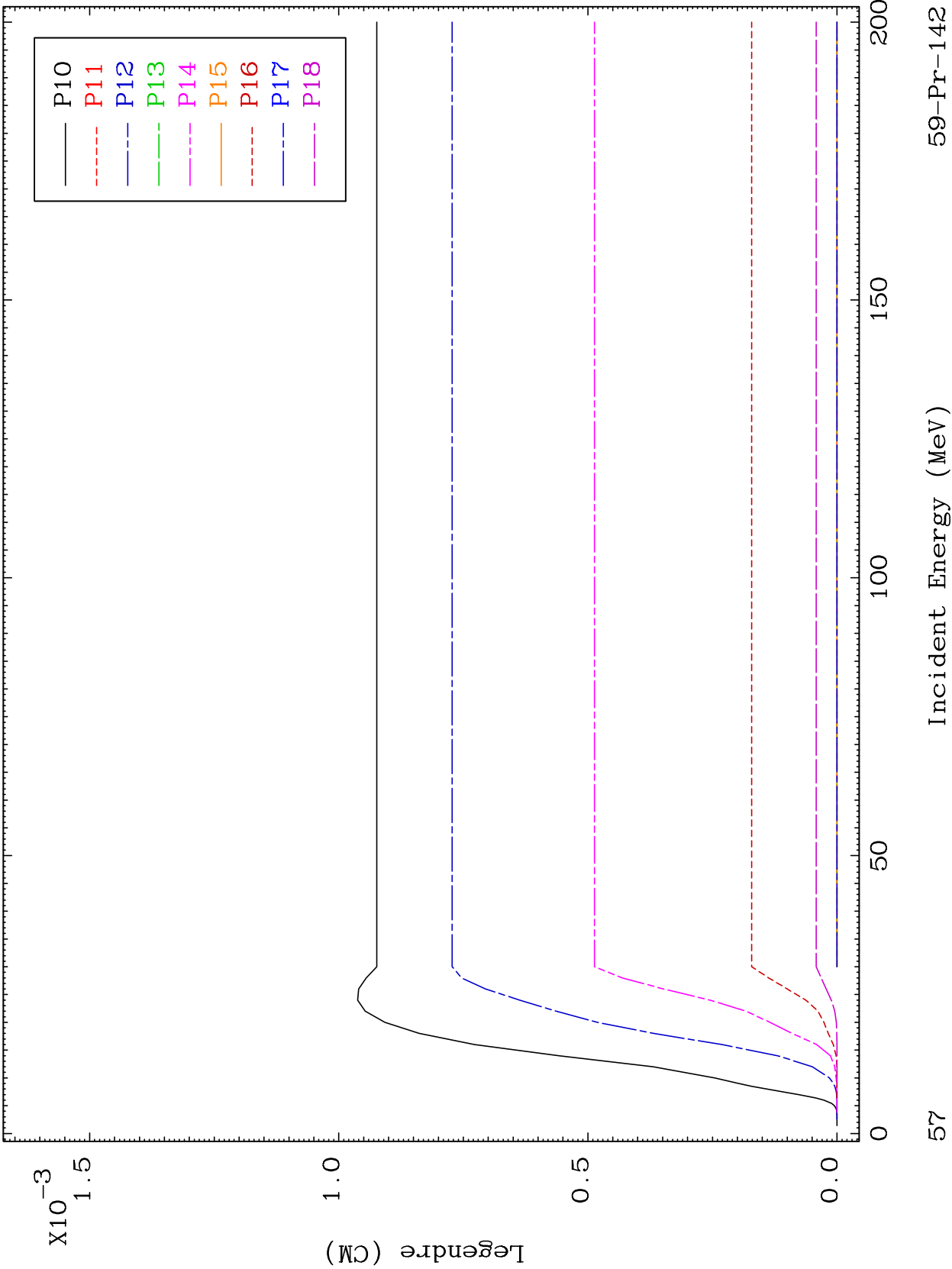
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MAT 5928

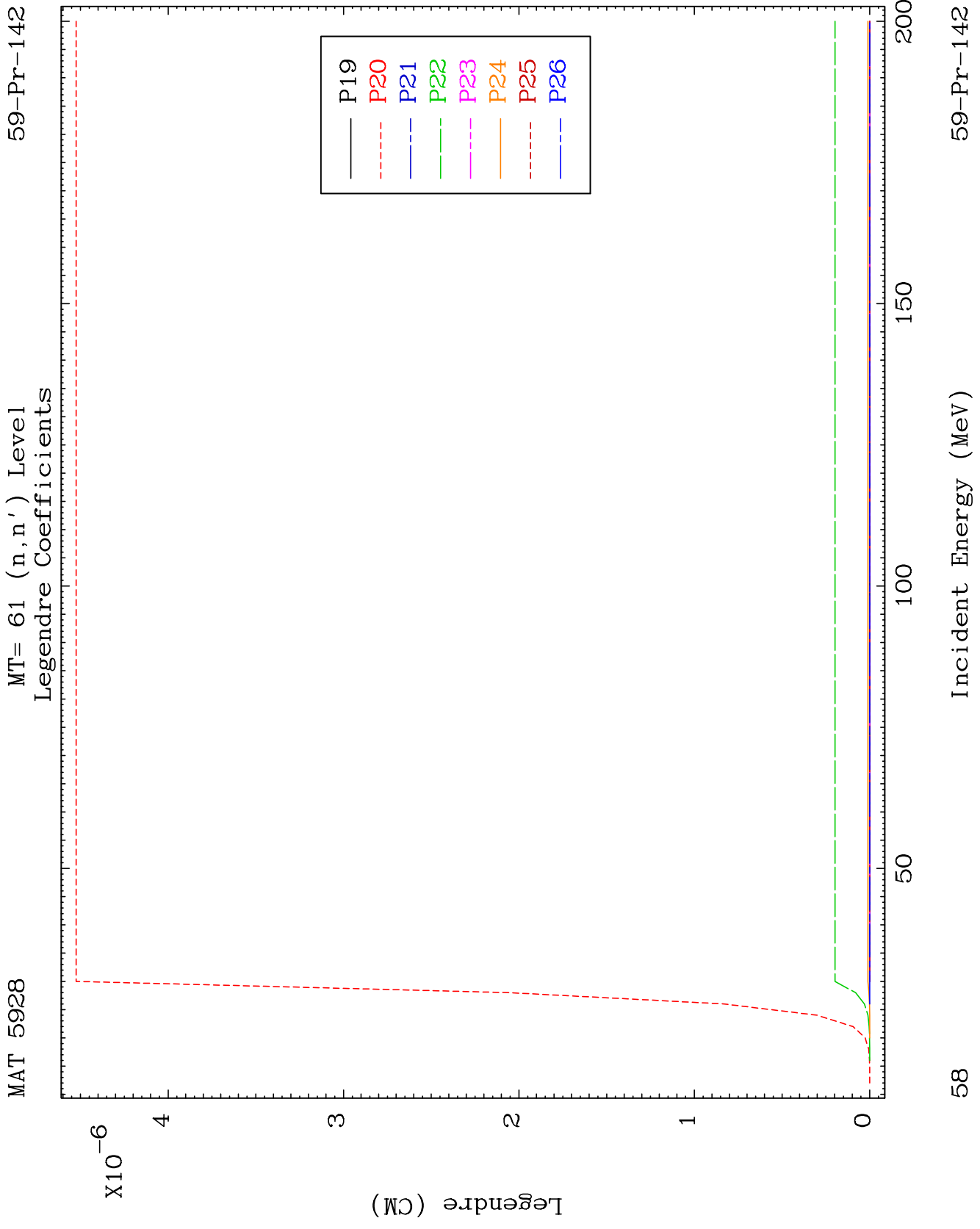
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Legendre Coefficients

59-Pr-142



57

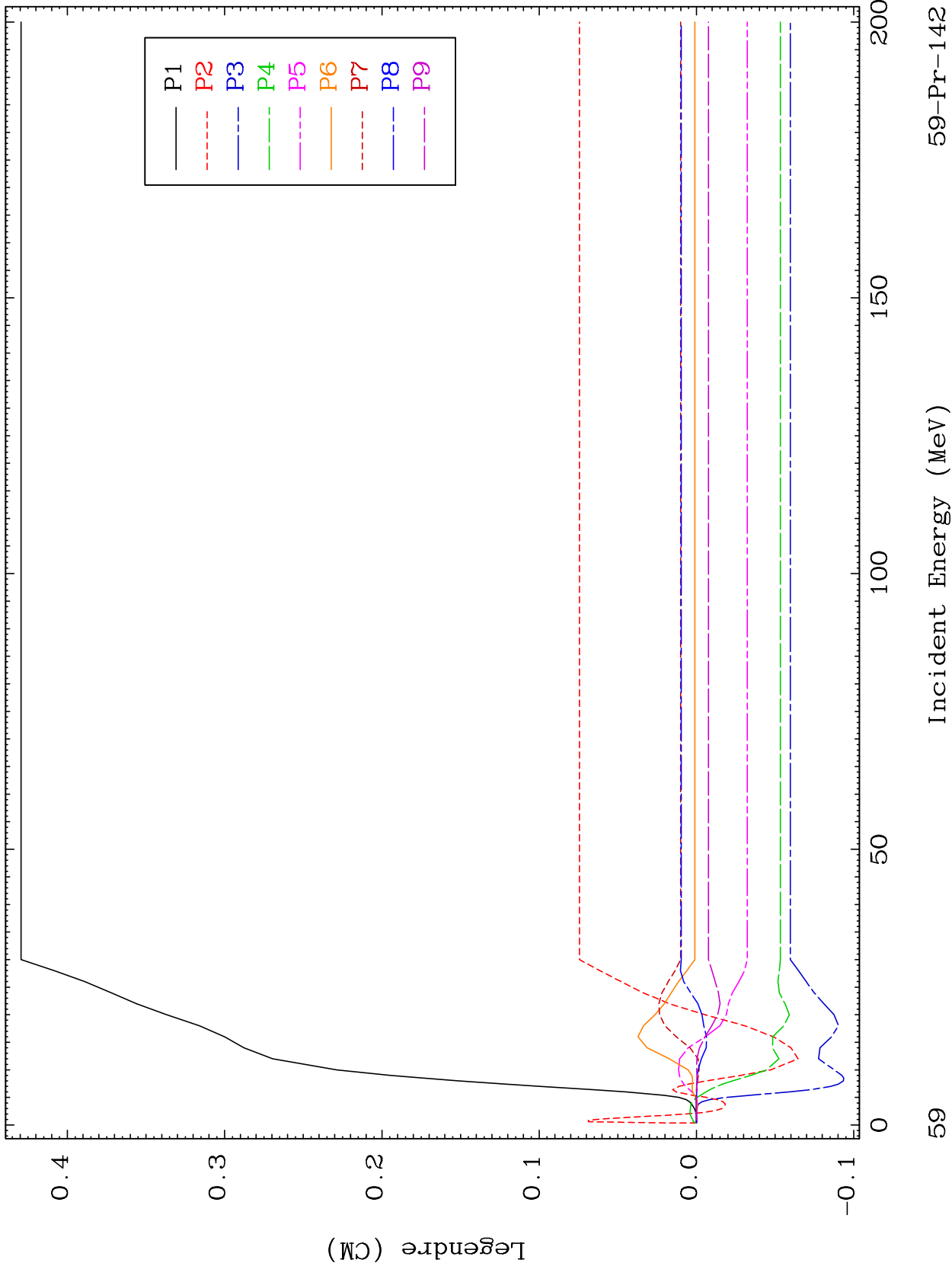
59-Pr-142



MAT 5928

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

59-Pr-142



59-Pr-142

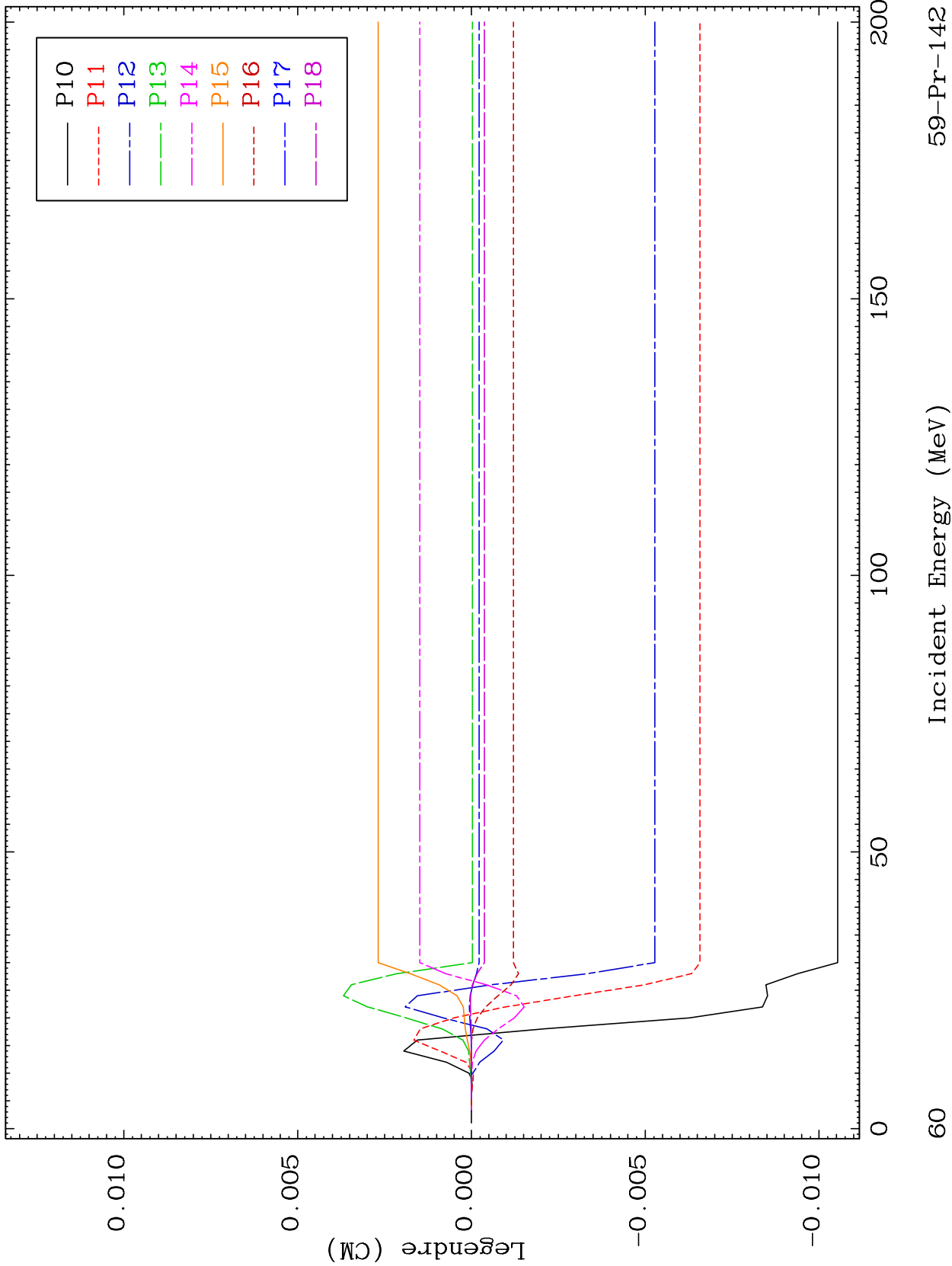
Incident Energy (MeV)

59

MAT 5928

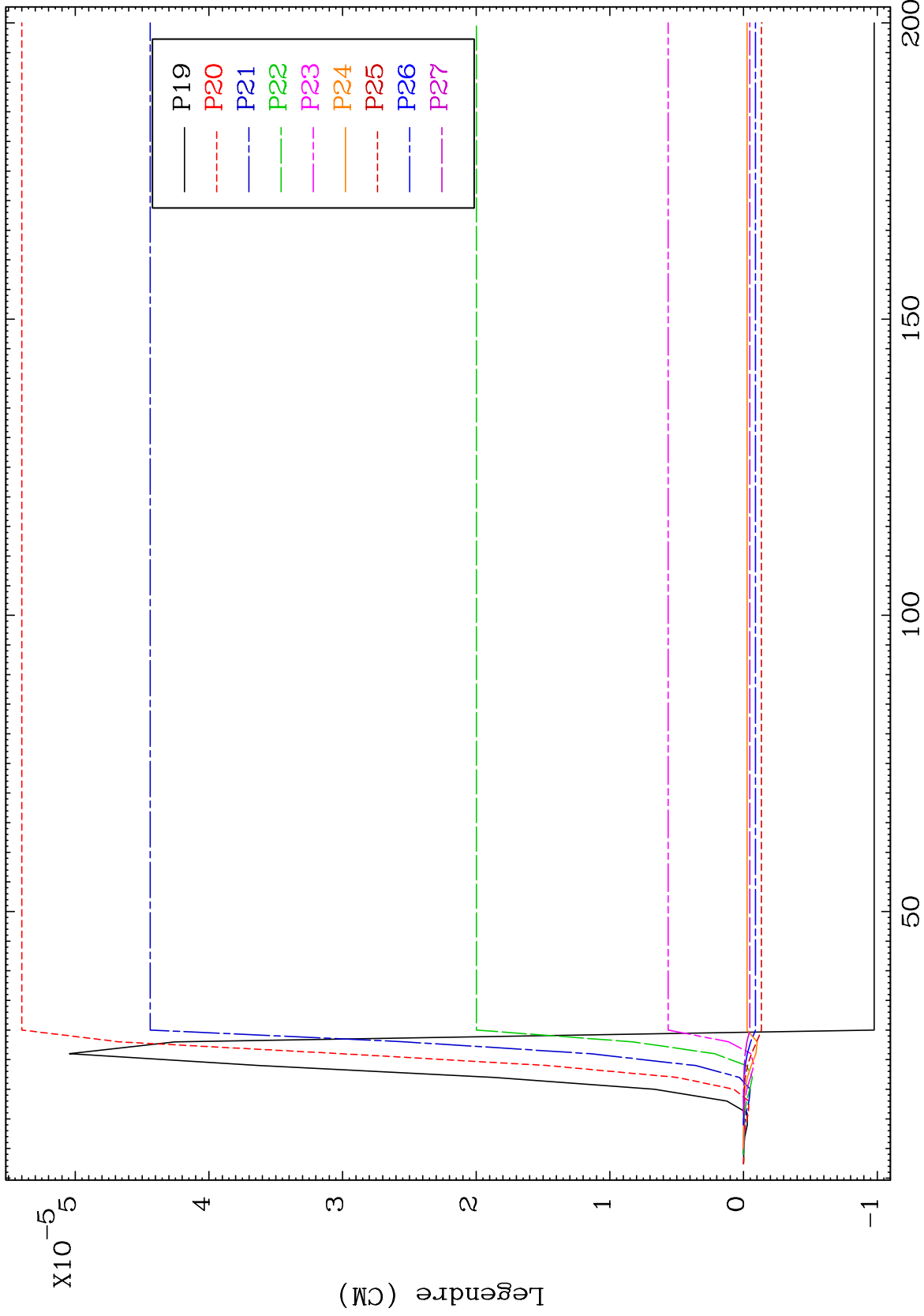
MT= 62 (n,n') Level
Legendre Coefficients

59-Pr-142



59-Pr-142

Incident Energy (MeV)

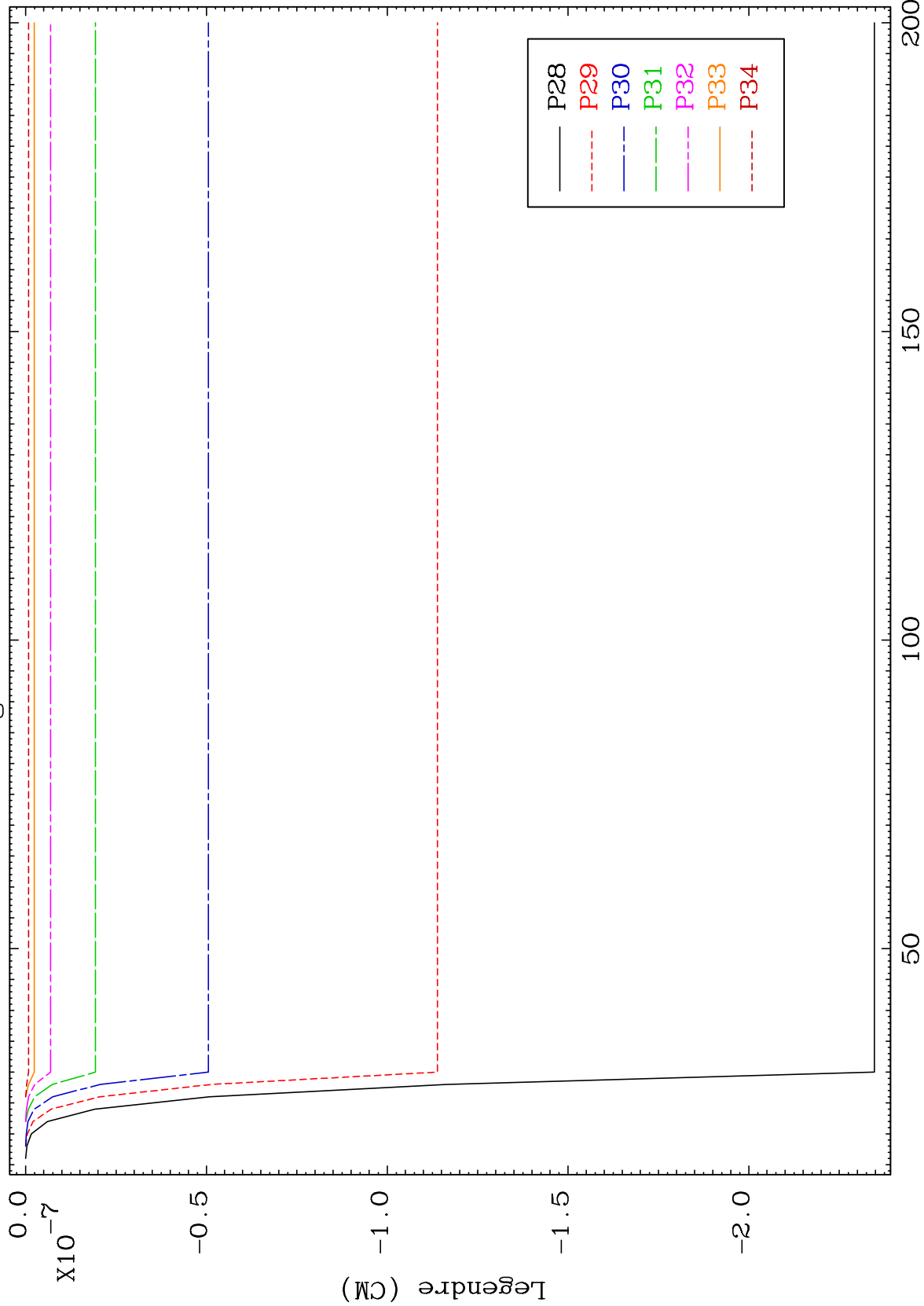


MAT 5928

MT= 62 (n,n') Level

59-Pr-142

Legendre Coefficients



62

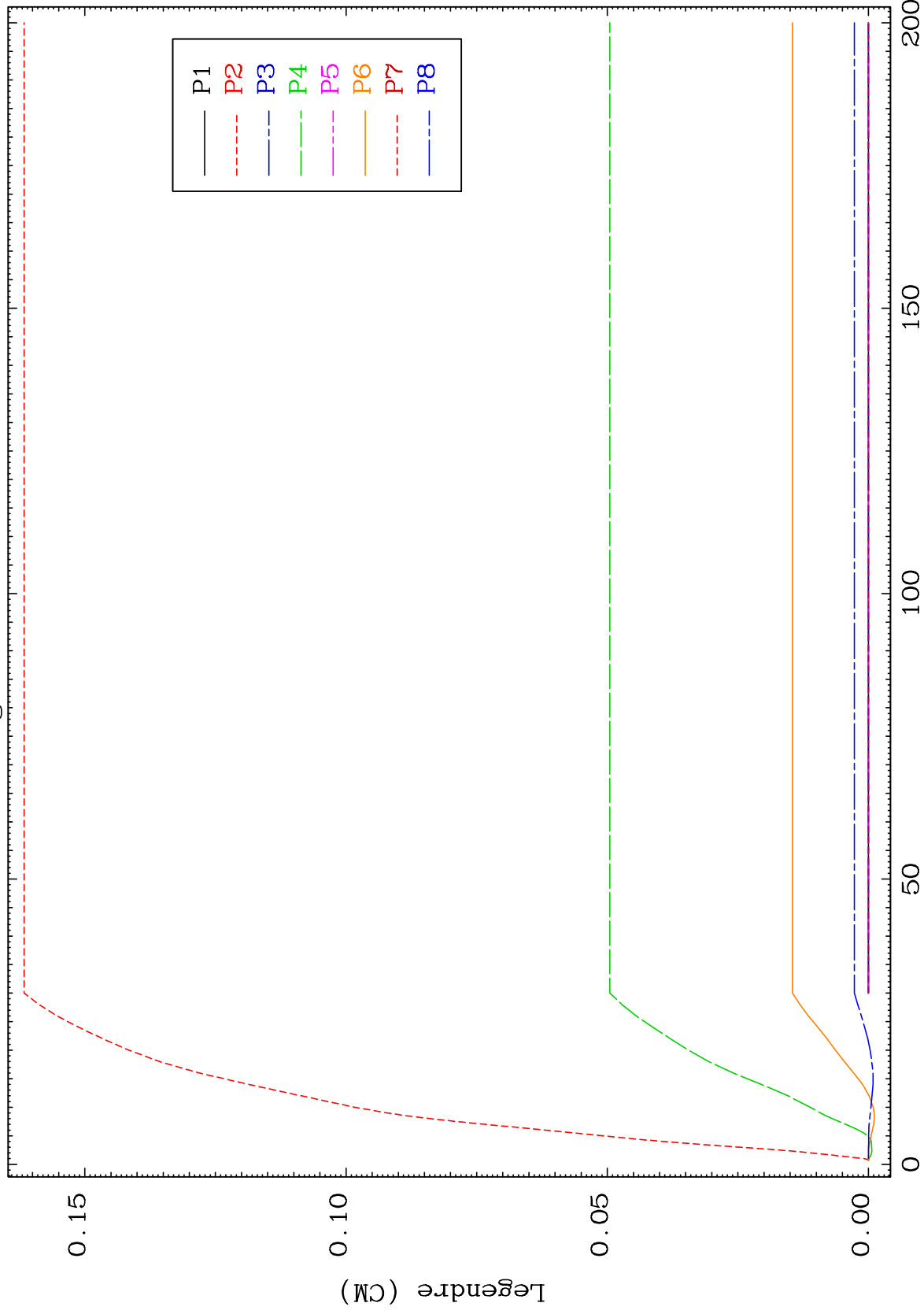
Incident Energy (MeV)

59-Pr-142

MAT 5928

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

59-Pr-142



63

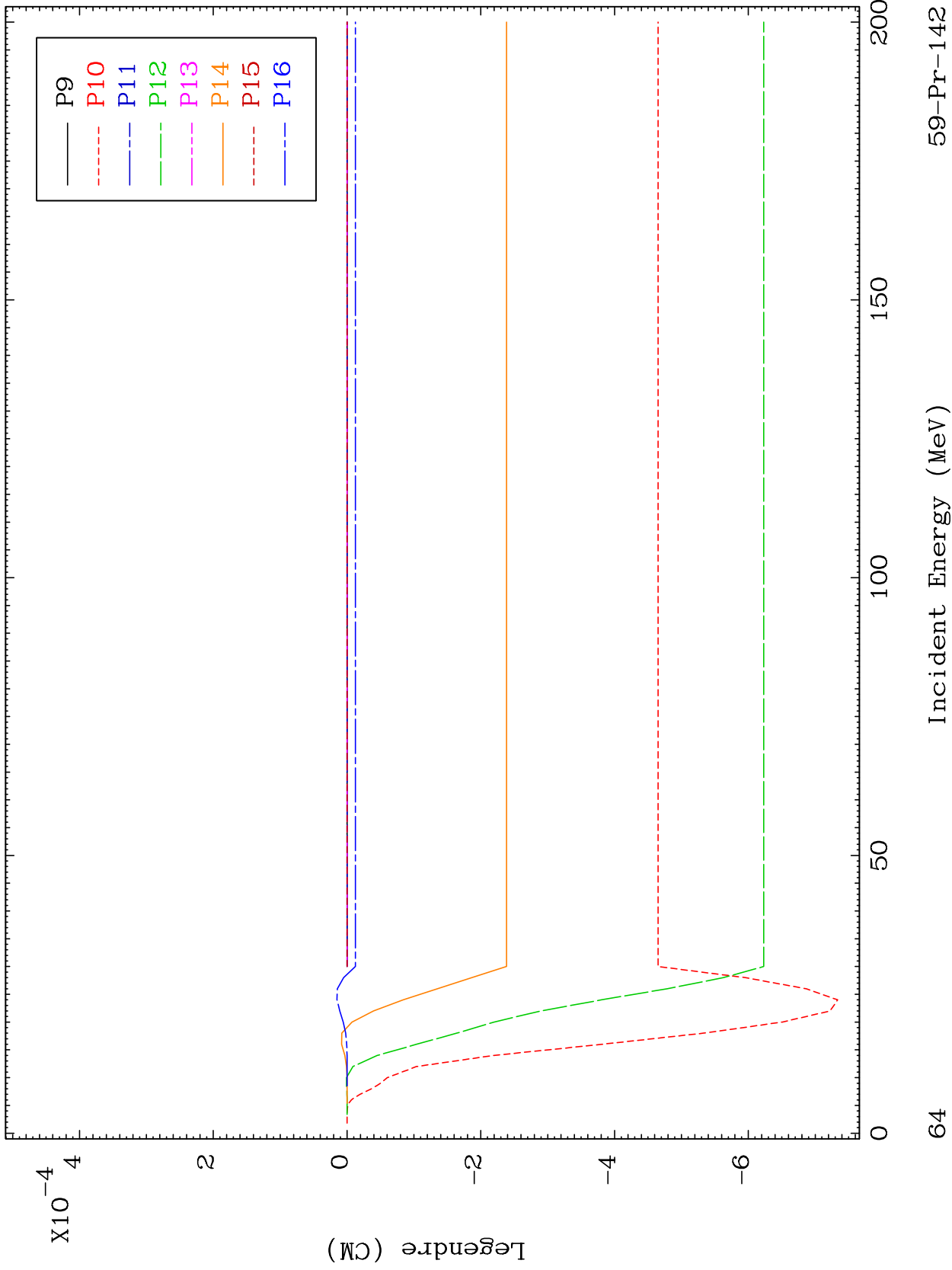
Incident Energy (MeV)

59-Pr-142

MAT 5928

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

59-Pr-142



59-Pr-142

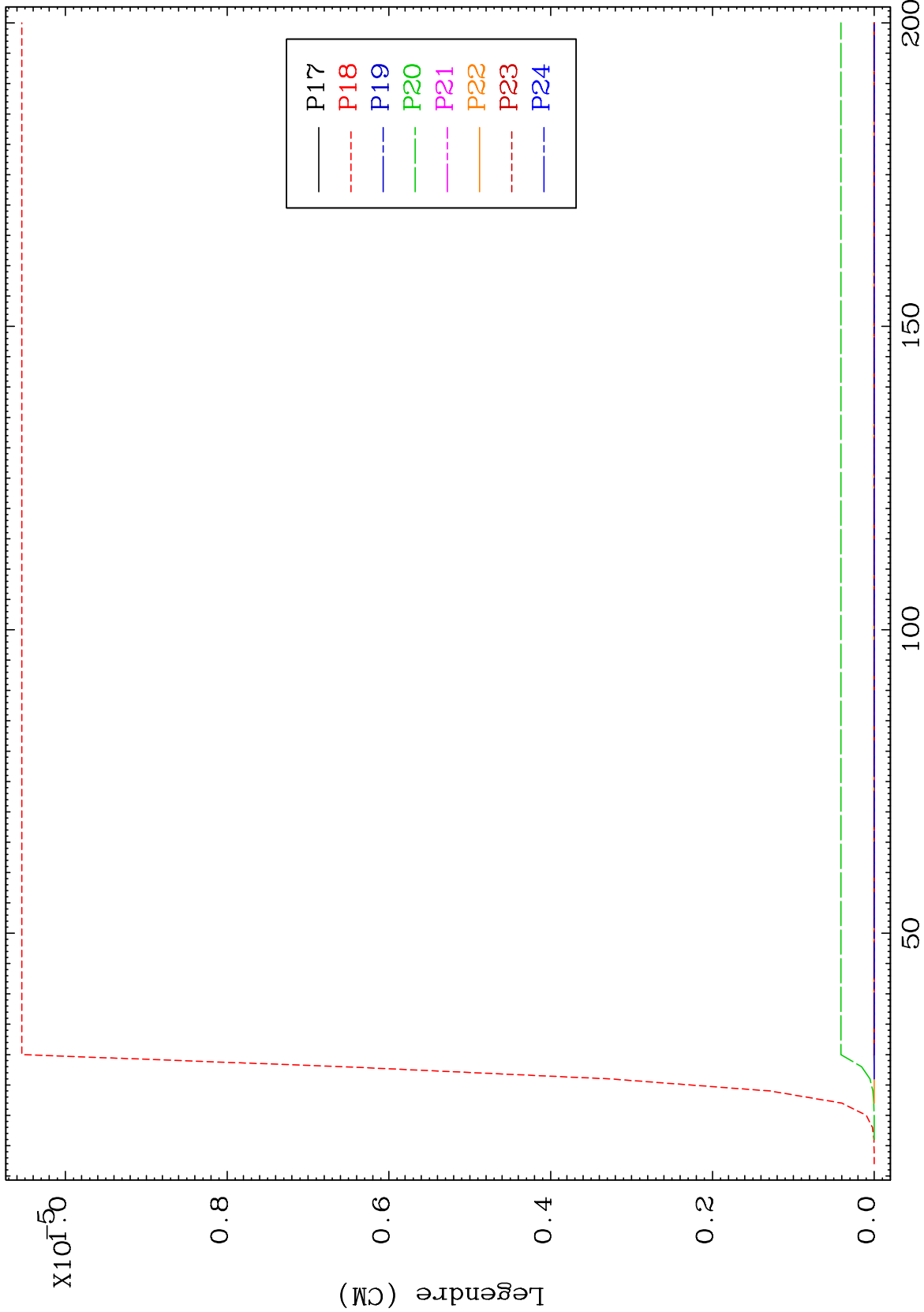
Incident Energy (MeV)

64

MAT 5928

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

59-Pr-142



65

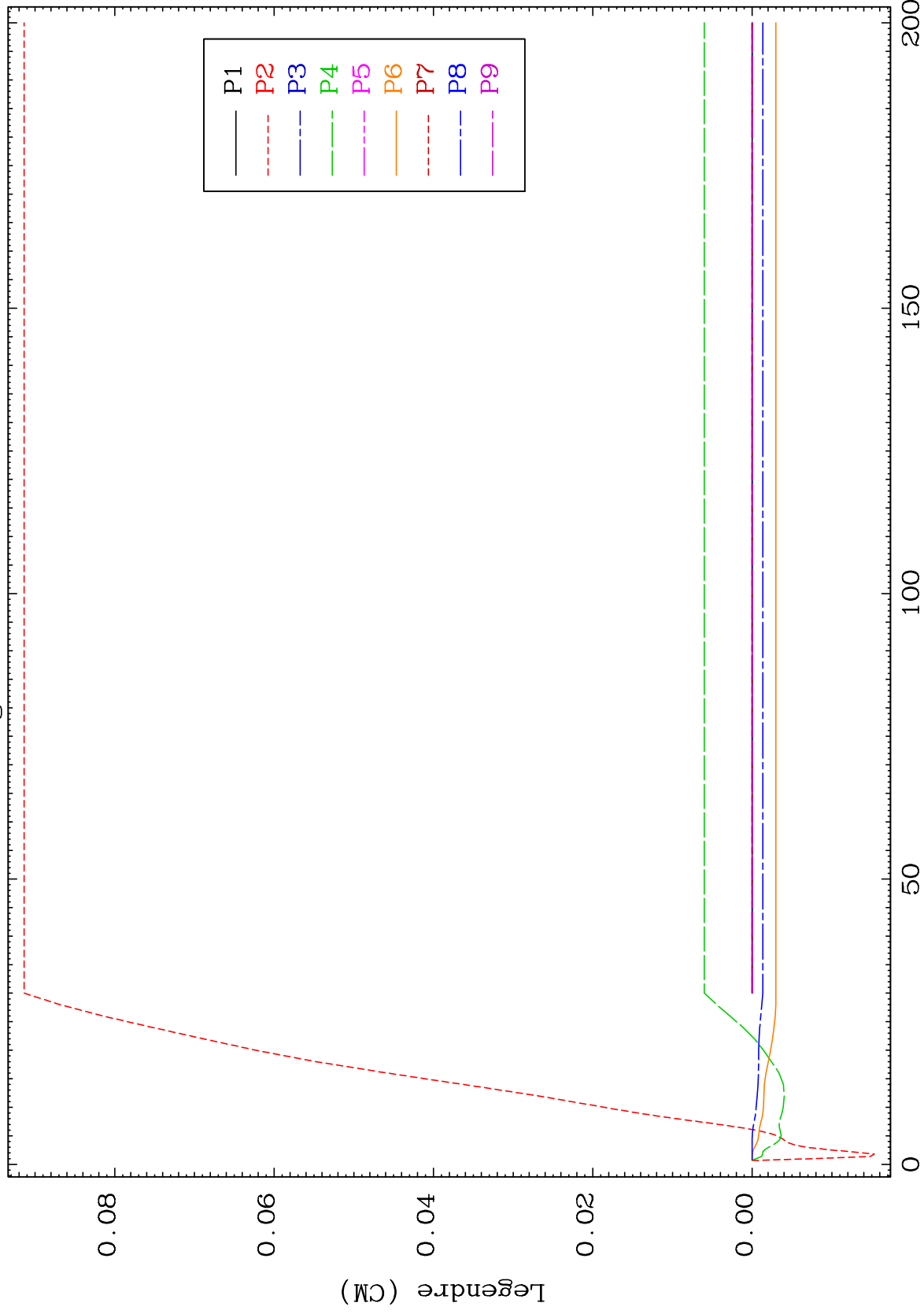
Incident Energy (MeV)

59-Pr-142

MAT 5928

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

59-Pr-142



66

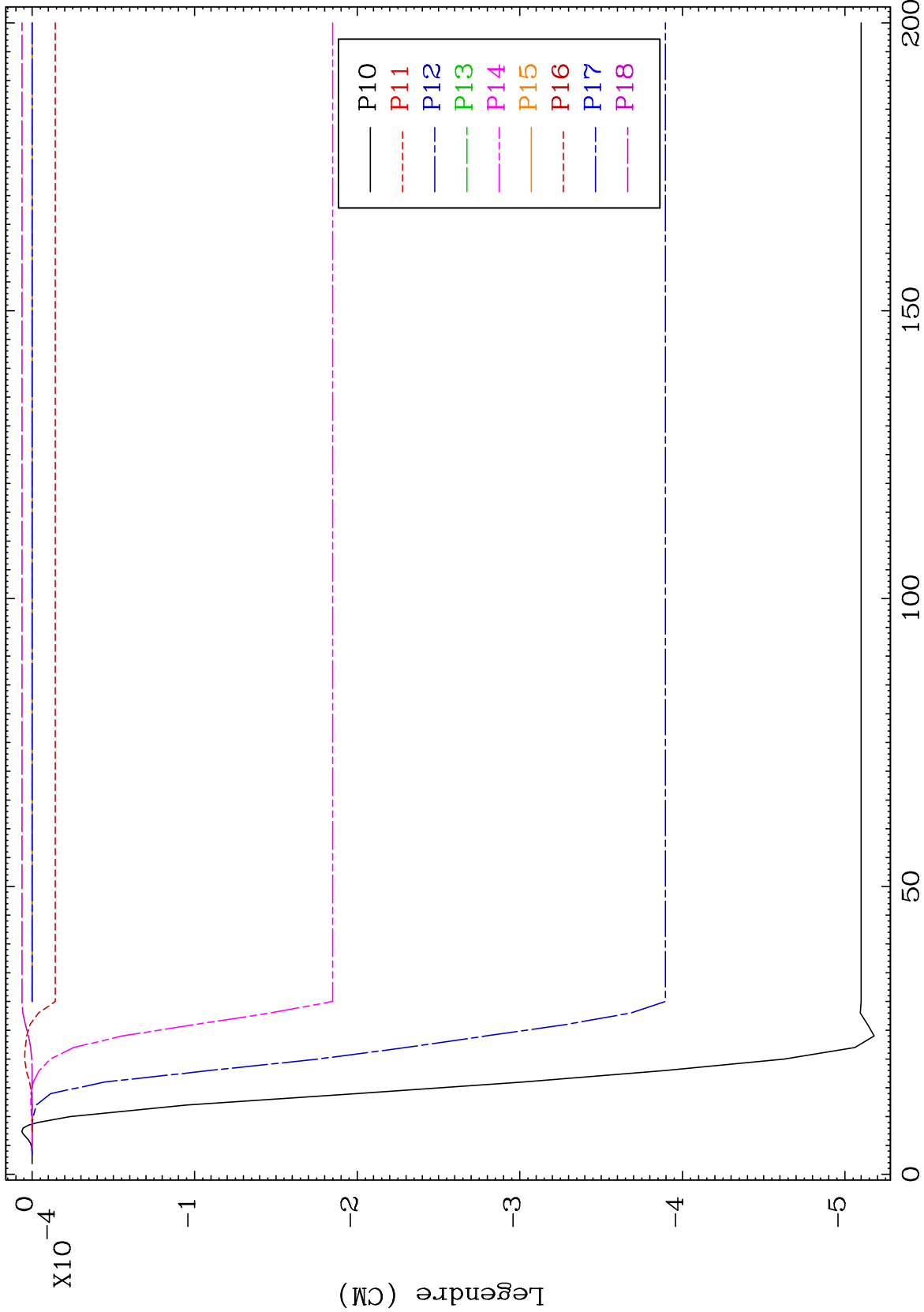
Incident Energy (MeV)

59-Pr-142

MAT 5928

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

59-Pr-142



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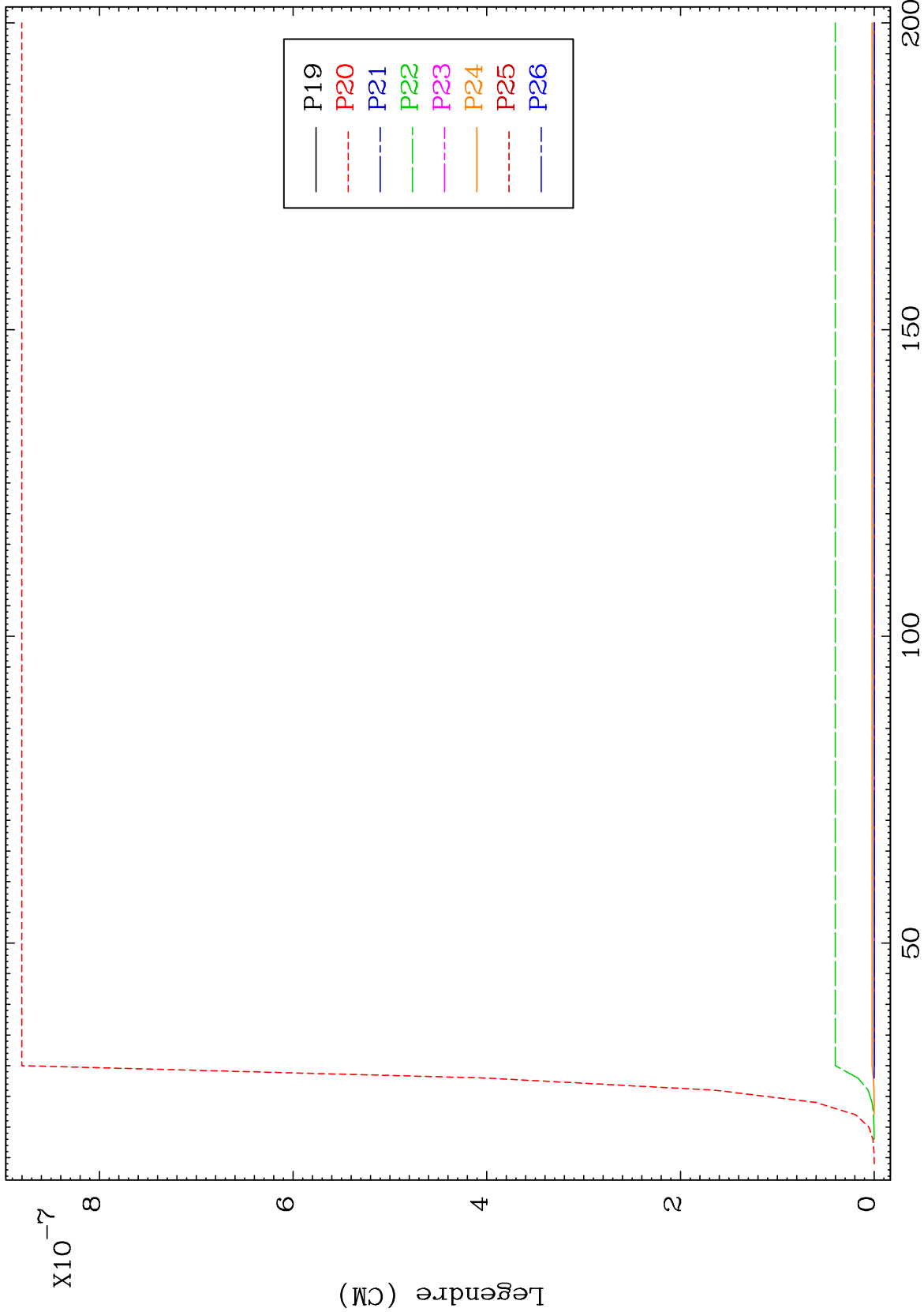
Incident Energy (MeV)

59-Pr-142

MAT 5928

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

59-Pr-142



68

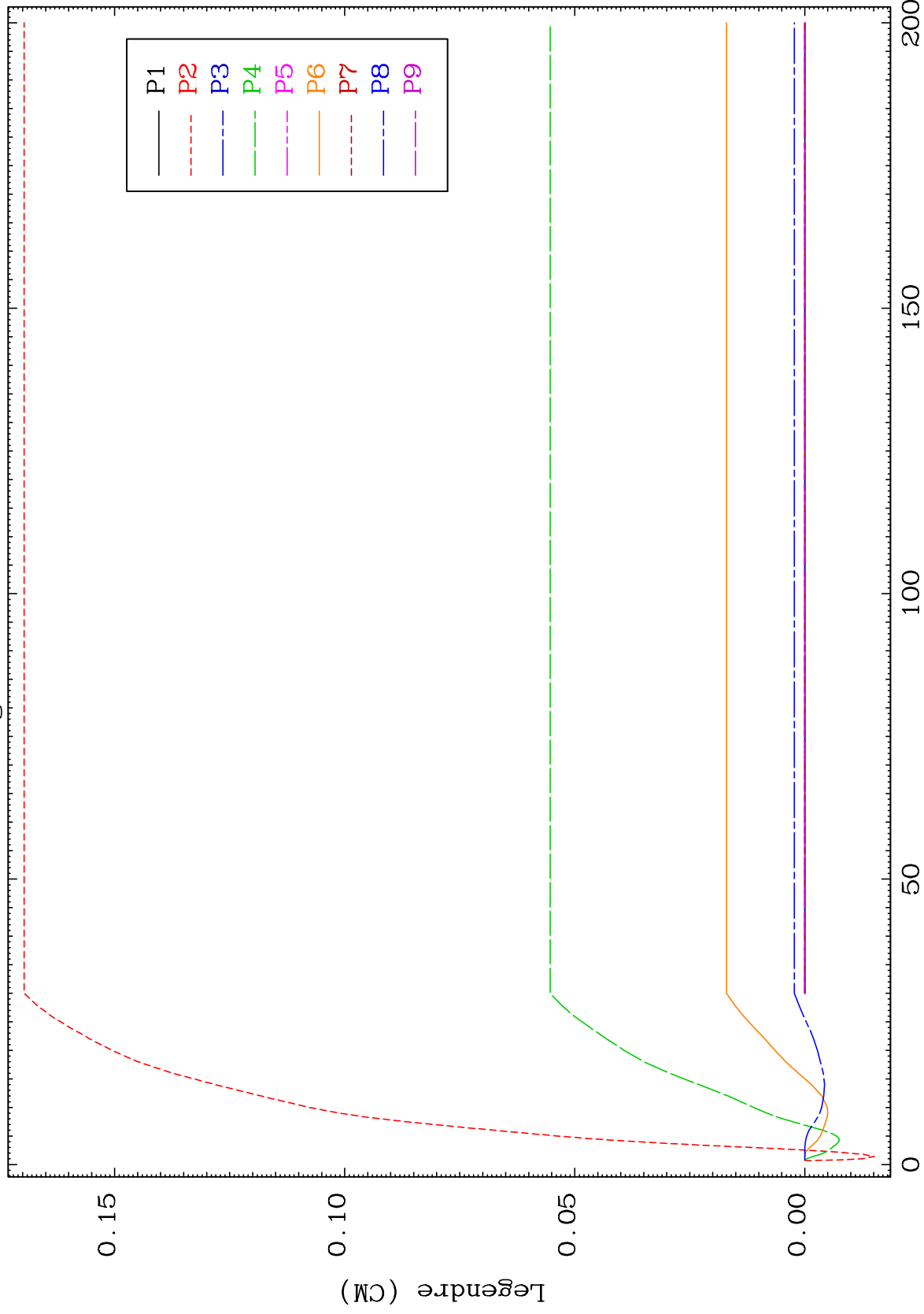
Incident Energy (MeV)

59-Pr-142

MAT 5928

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

59-Pr-142



59-Pr-142

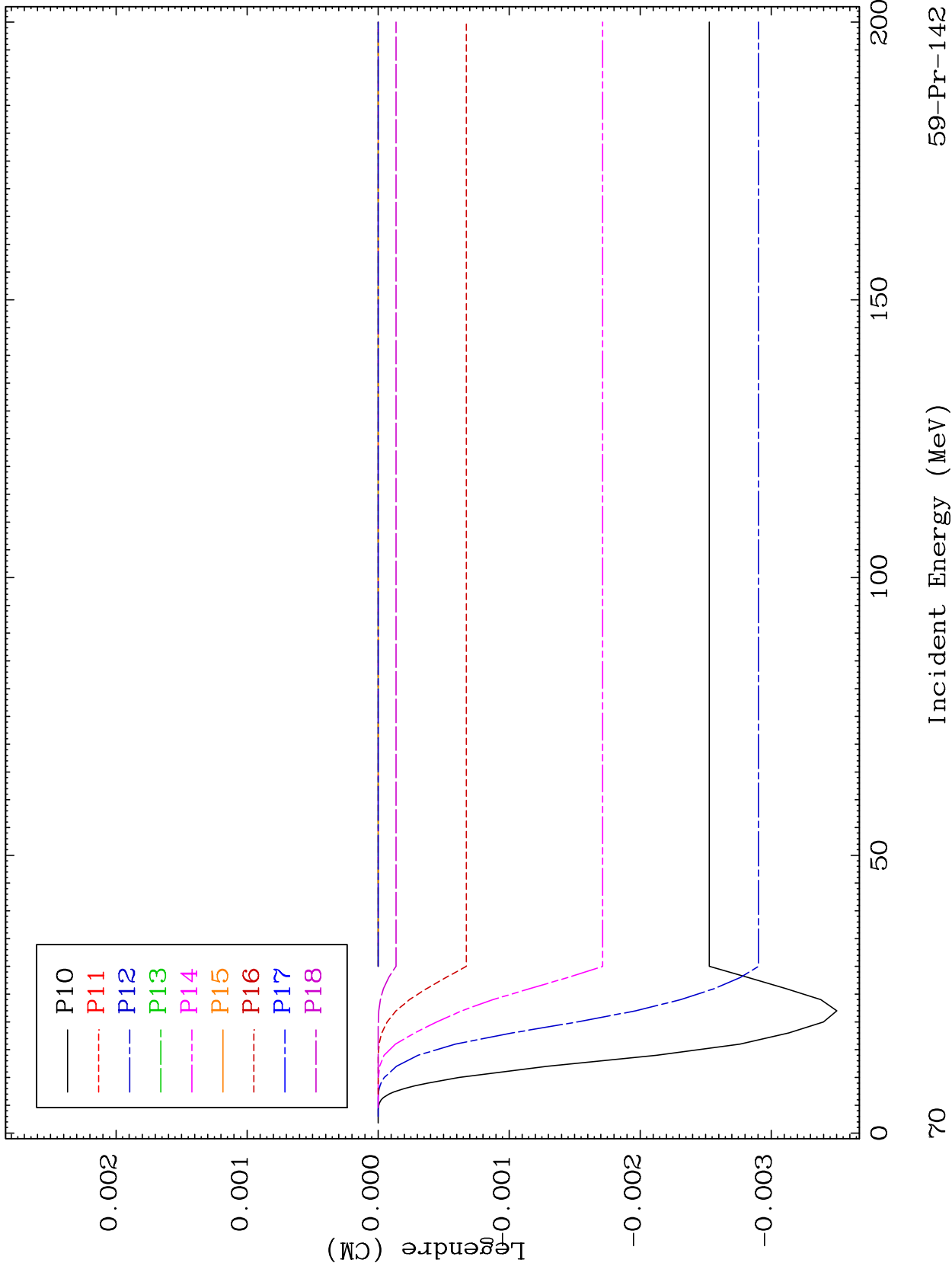
Incident Energy (MeV)

69

MAT 5928

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

59-Pr-142



59-Pr-142

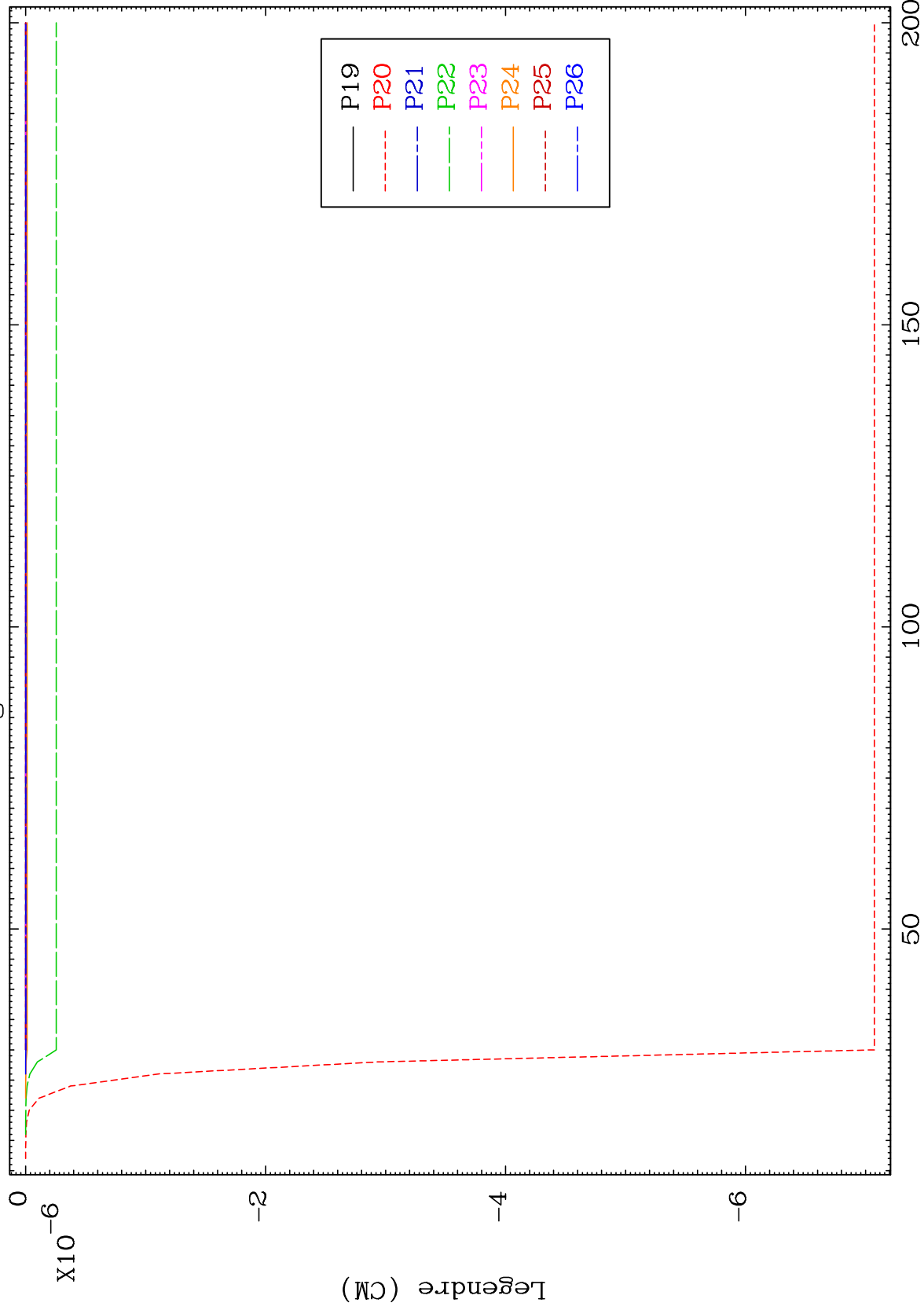
Incident Energy (MeV)

70

MAT 5928

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

59-Pr-142



71

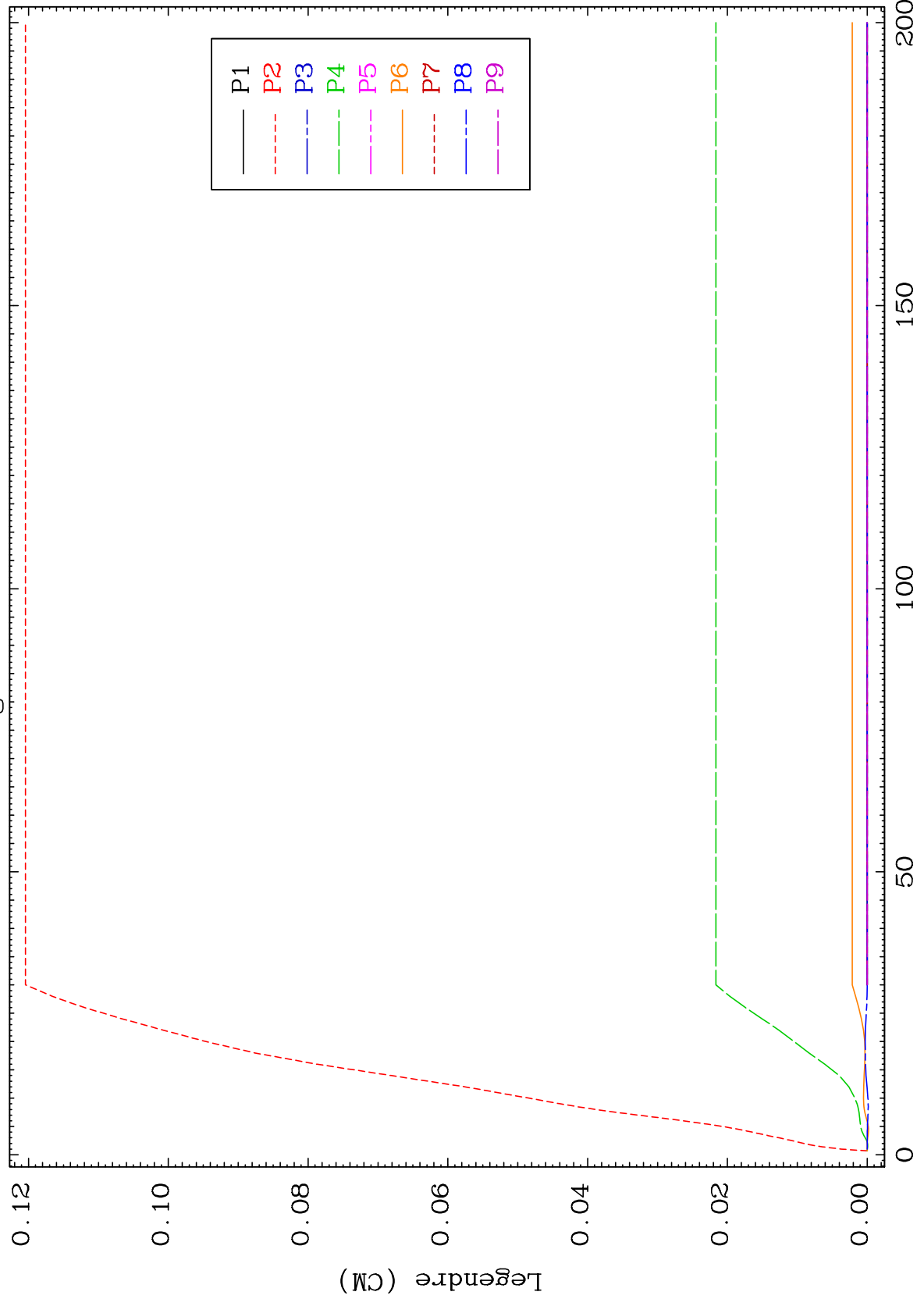
Incident Energy (MeV)

59-Pr-142

MAT 5928

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

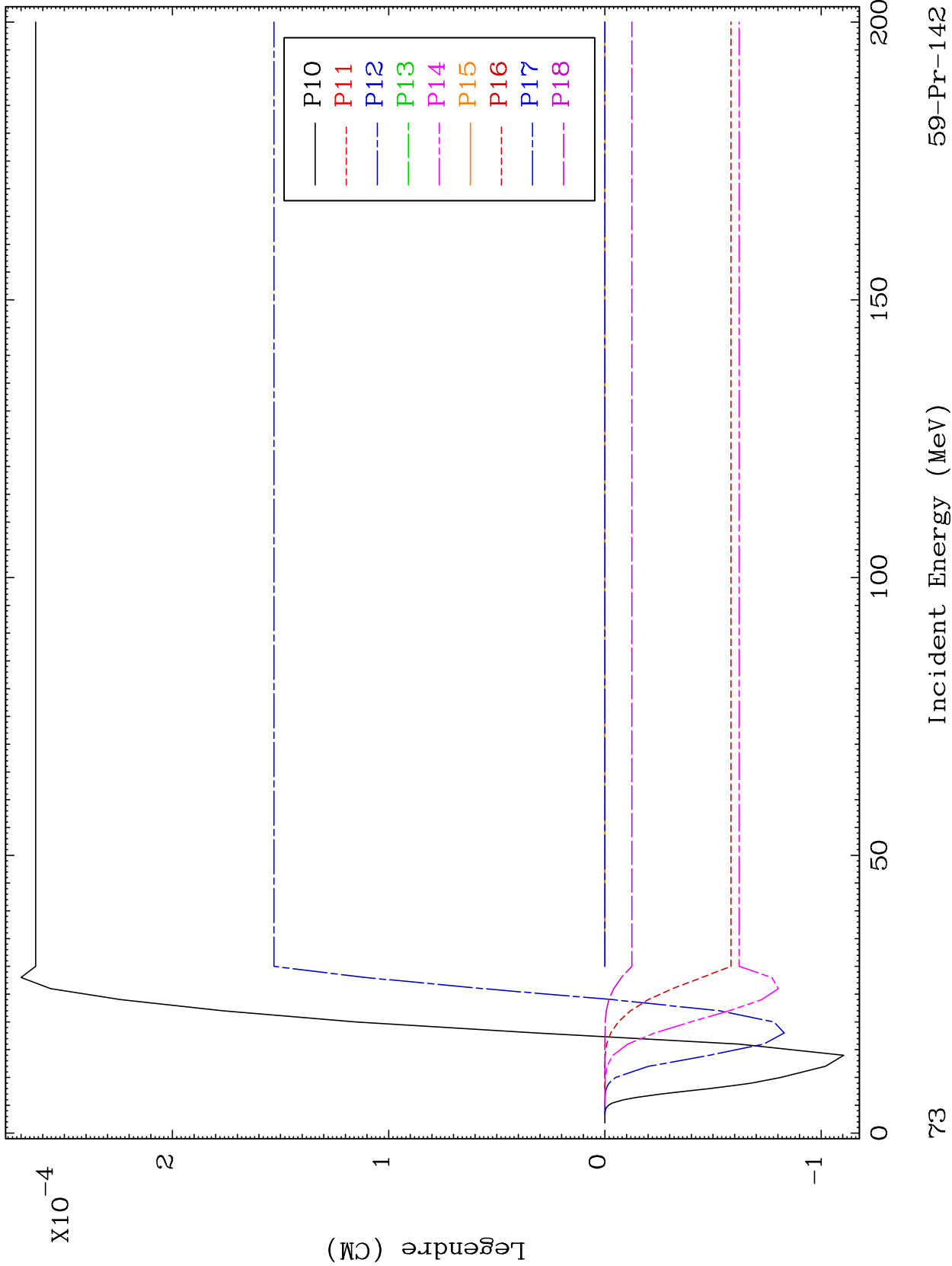
59-Pr-142



72

Incident Energy (MeV)

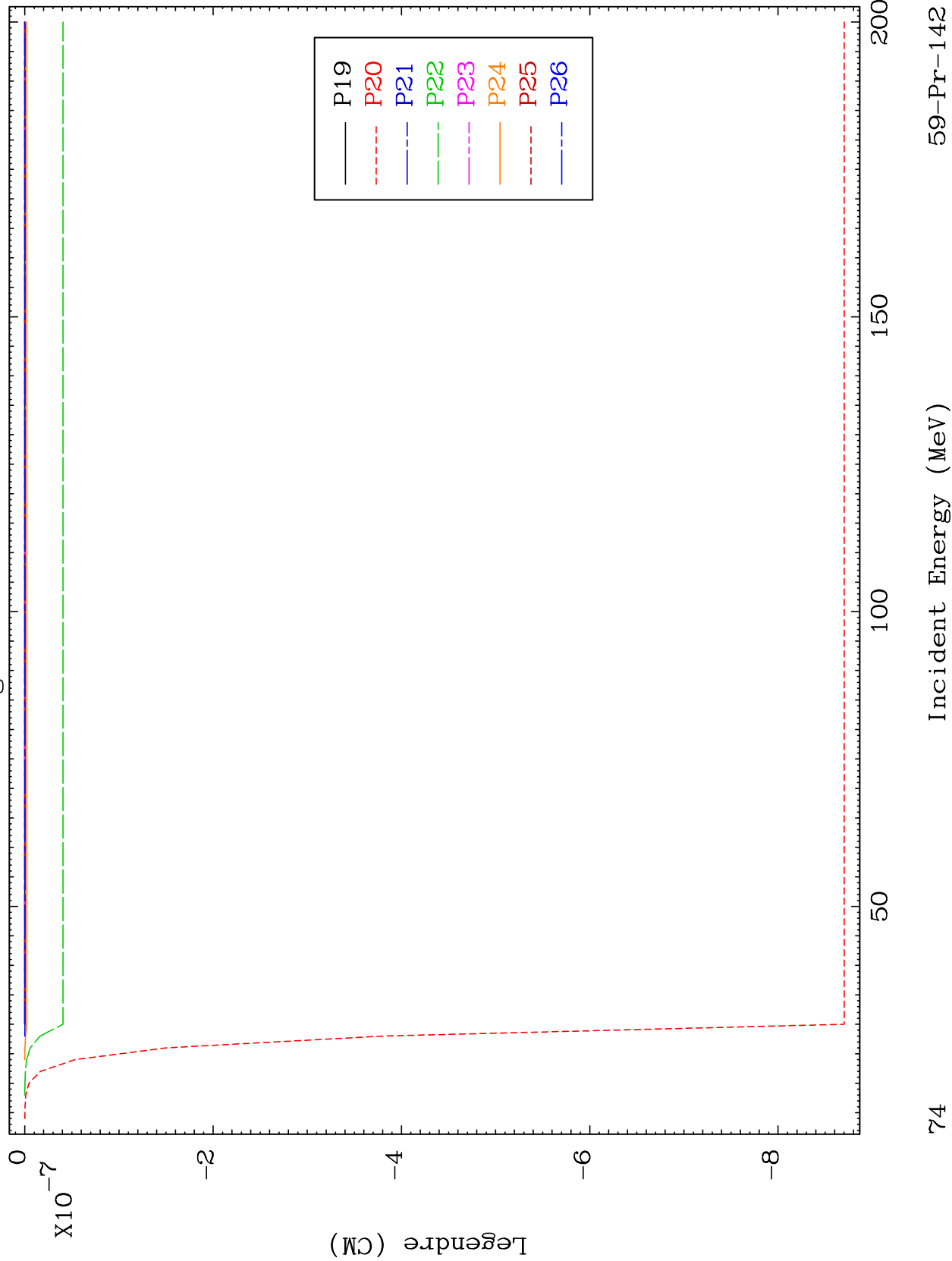
59-Pr-142



MAT 5928

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

59-Pr-142



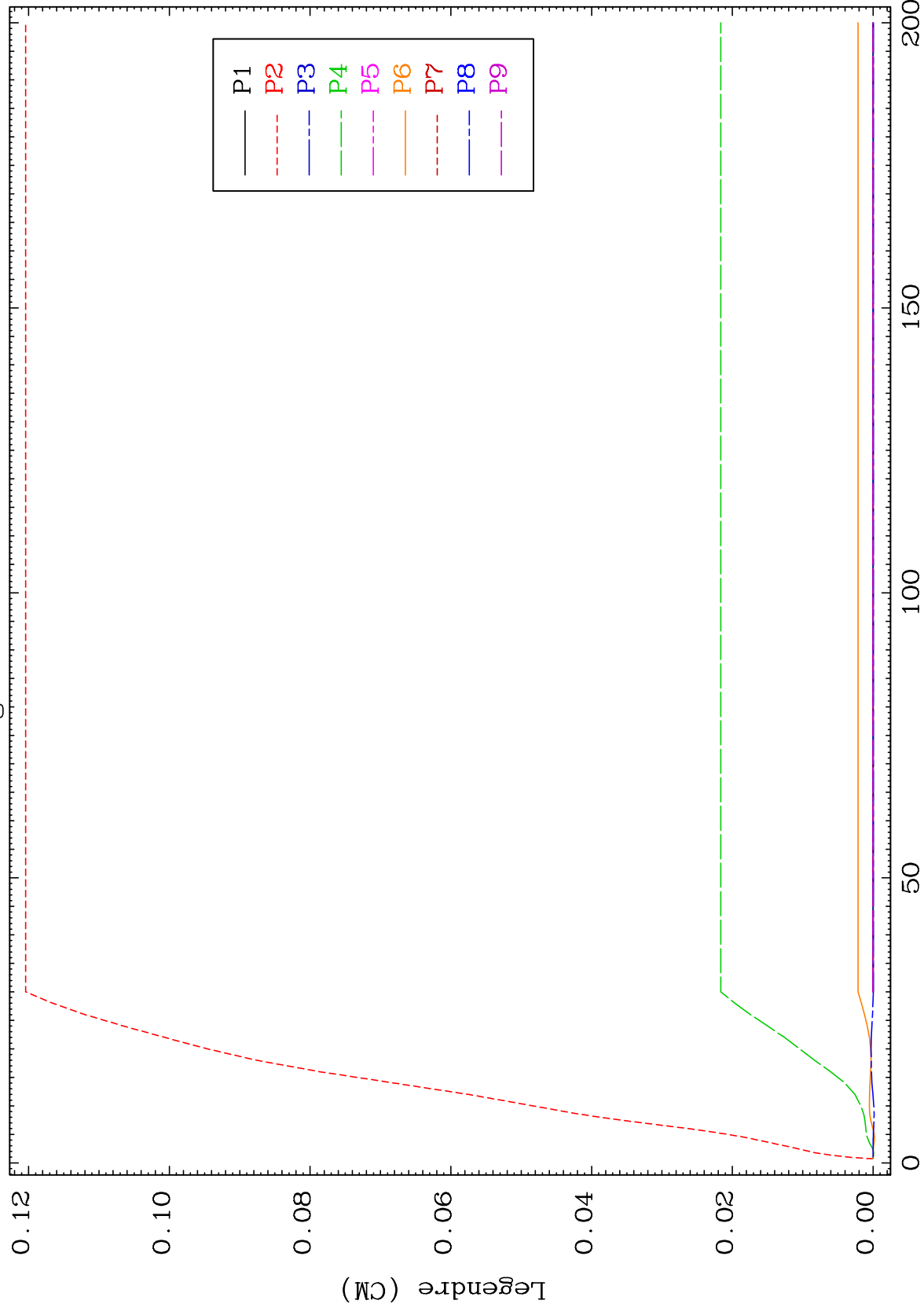
74

59-Pr-142

MAT 5928

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

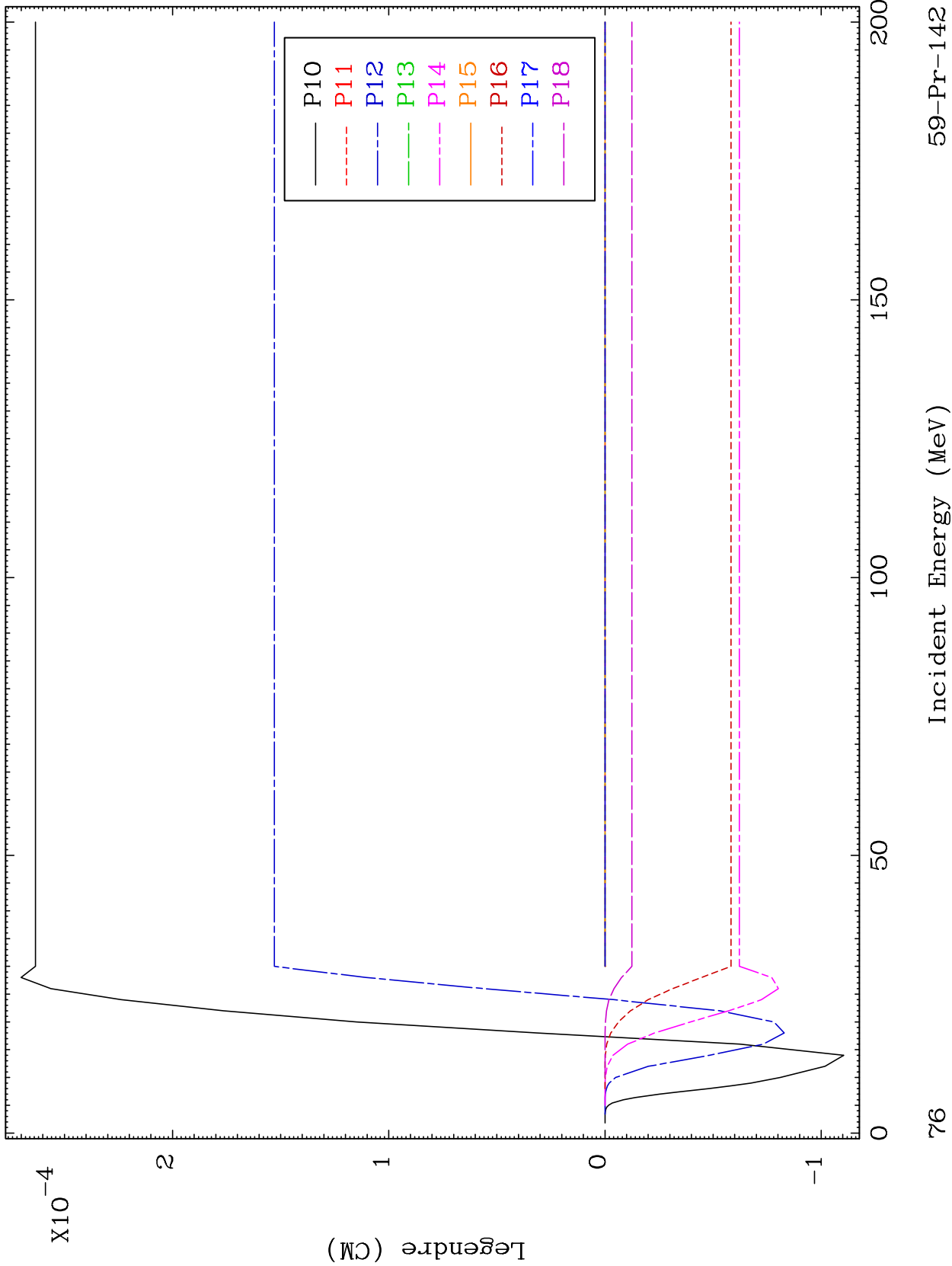
59-Pr-142



59-Pr-142

Incident Energy (MeV)

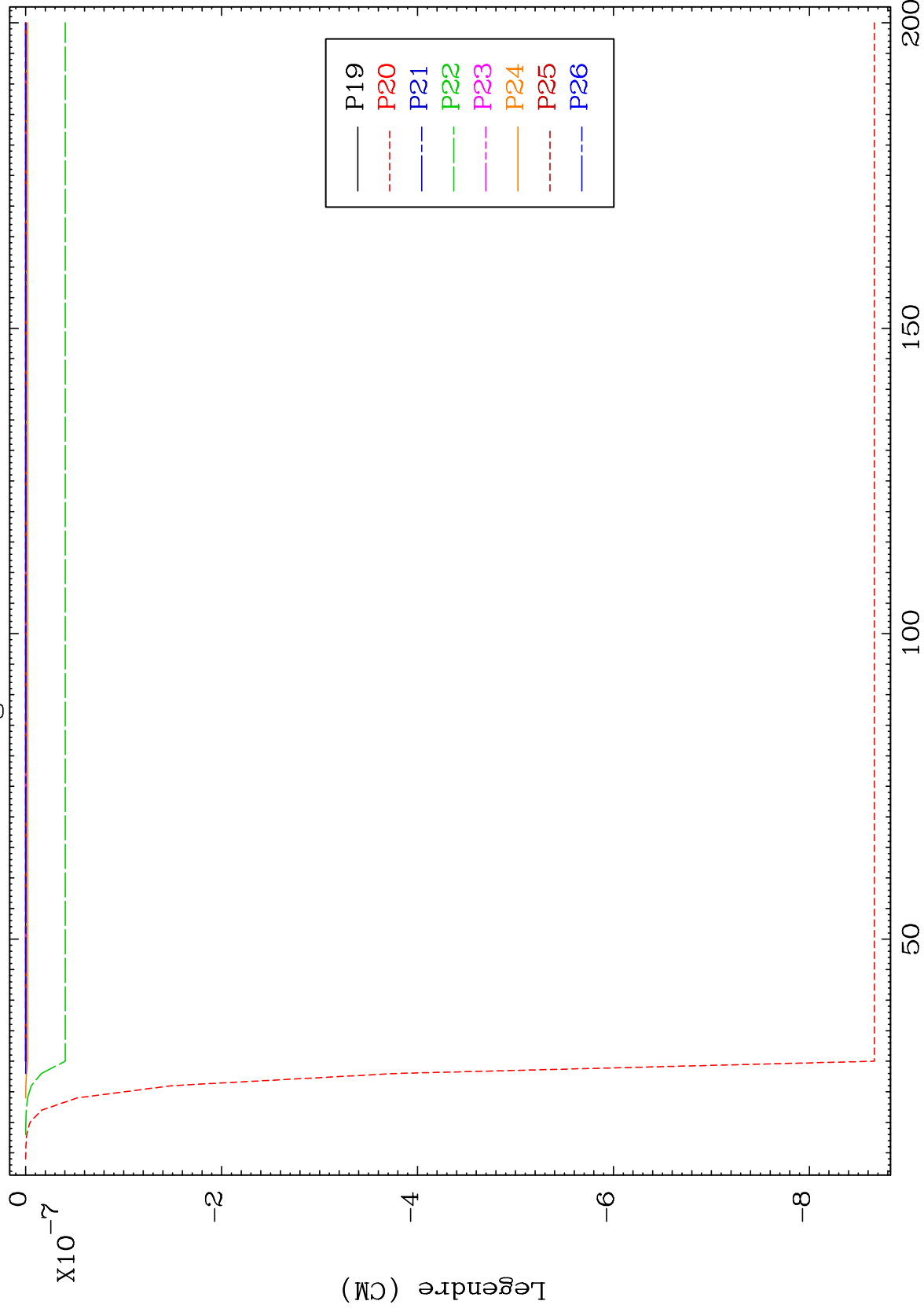
75



MAT 5928

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

59-Pr-142



77

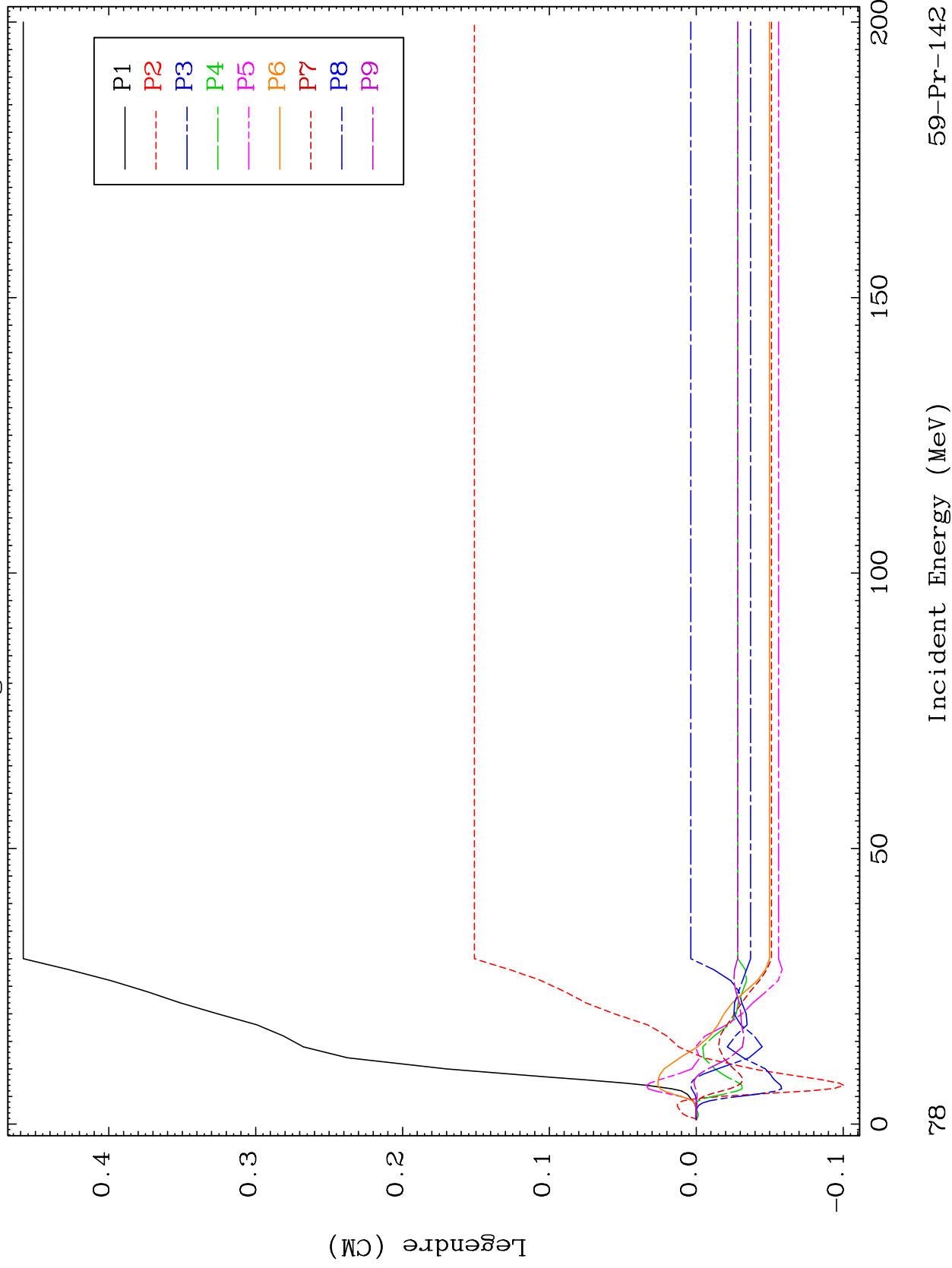
Incident Energy (MeV)

59-Pr-142

MAT 5928

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

59-Pr-142

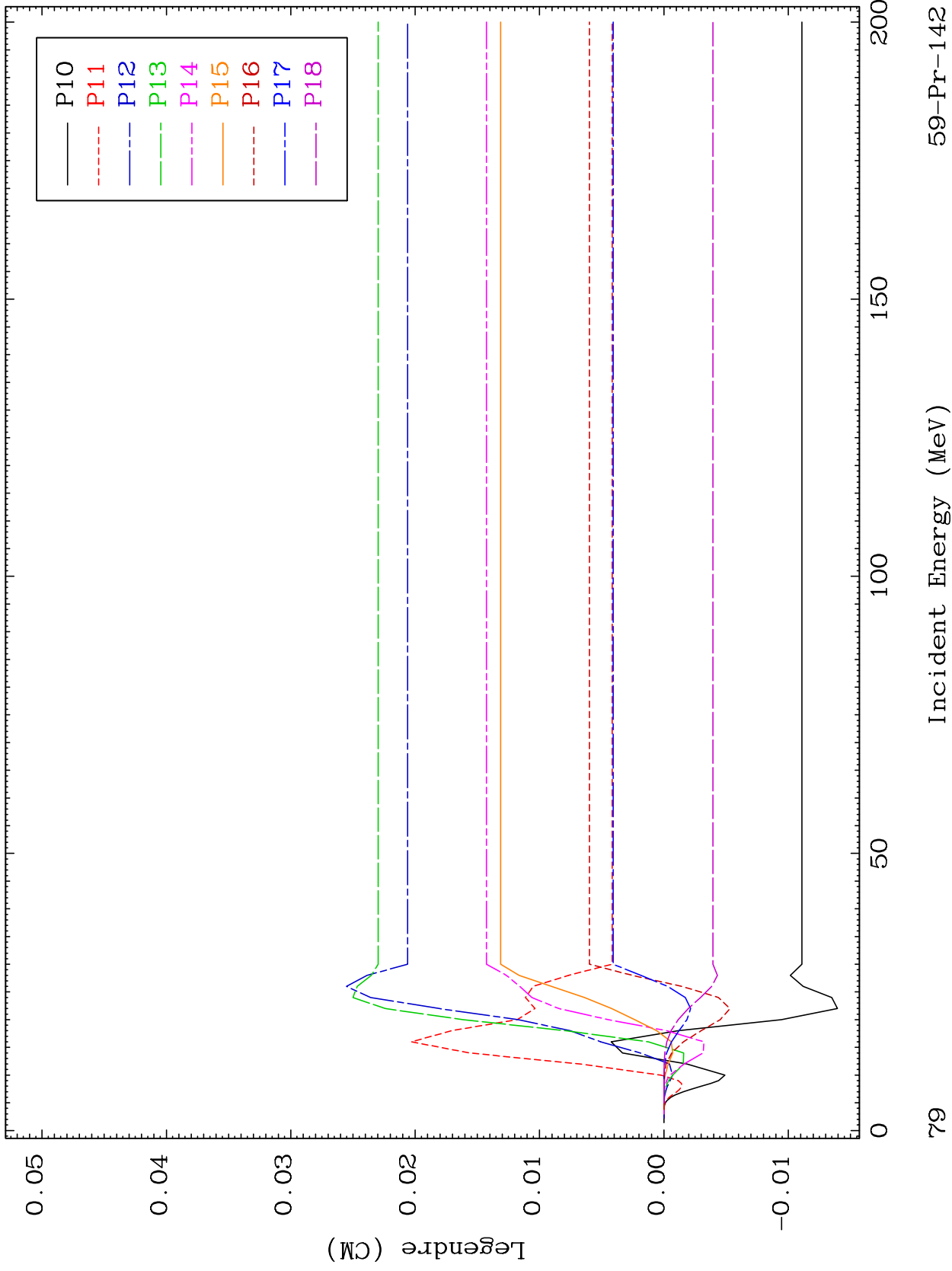


59-Pr-142

MAT 5928

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

59-Pr-142



79

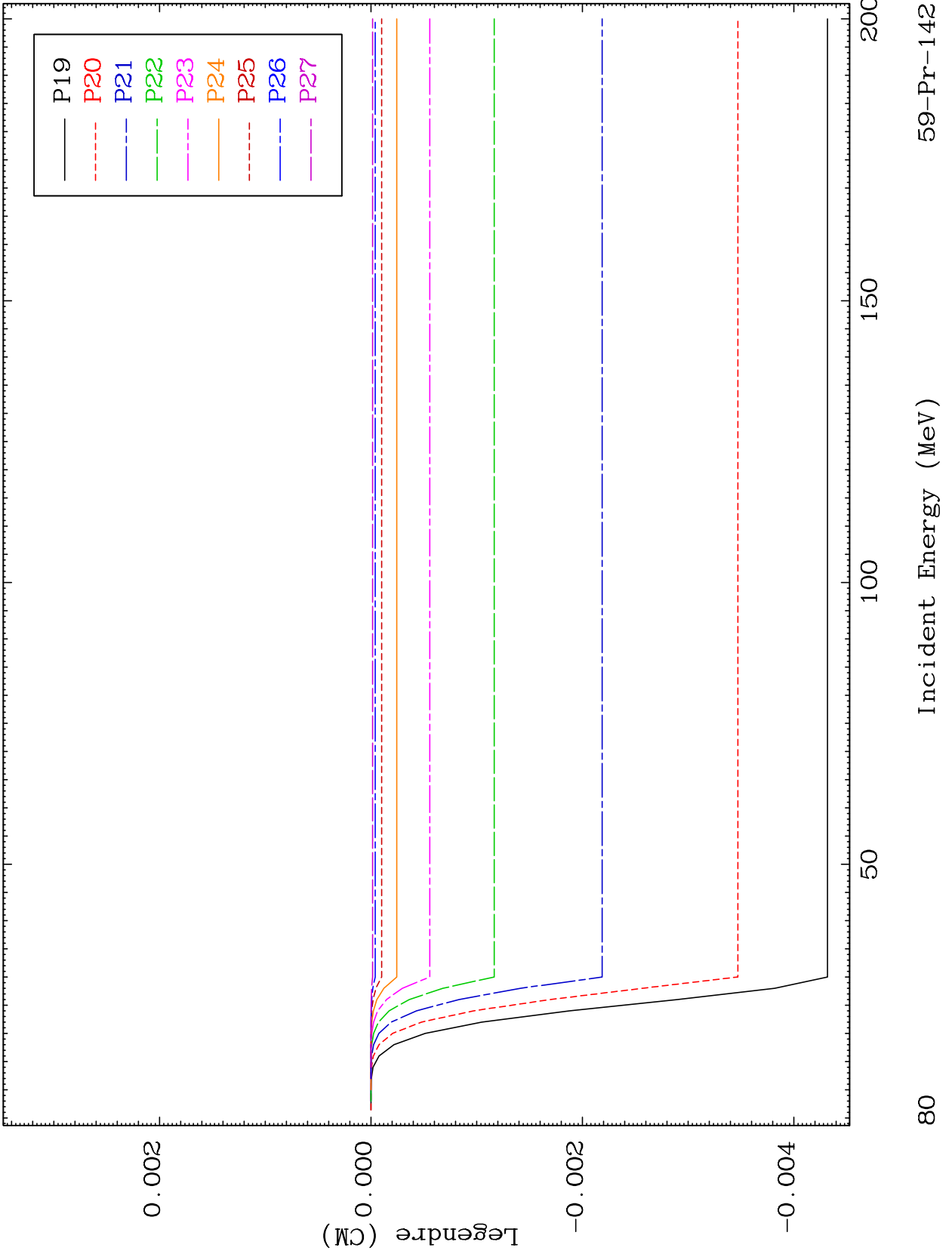
Incident Energy (MeV)

59-Pr-142

MAT 5928

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

59-Pr-142



80

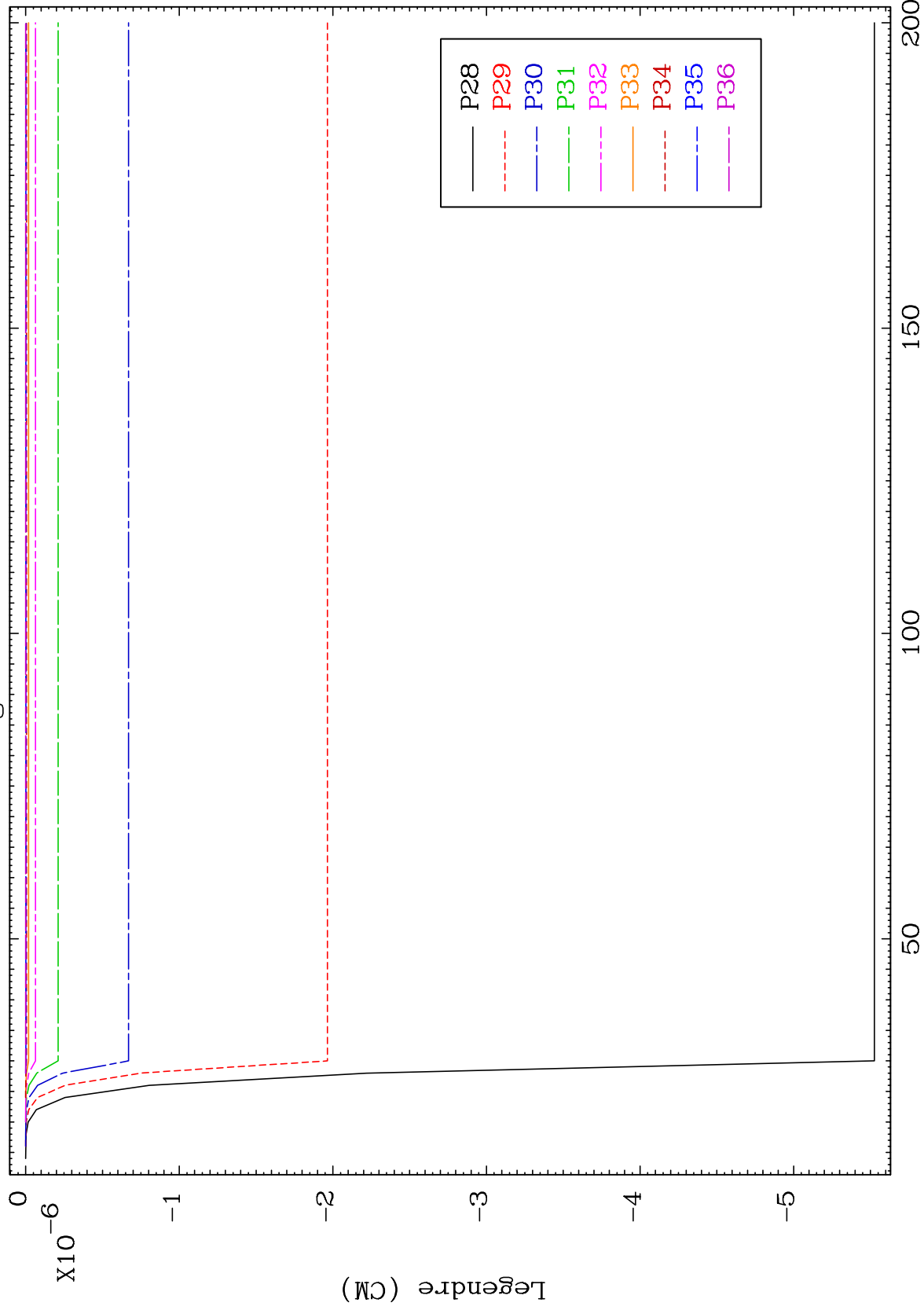
Incident Energy (MeV)

59-Pr-142

MAT 5928

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

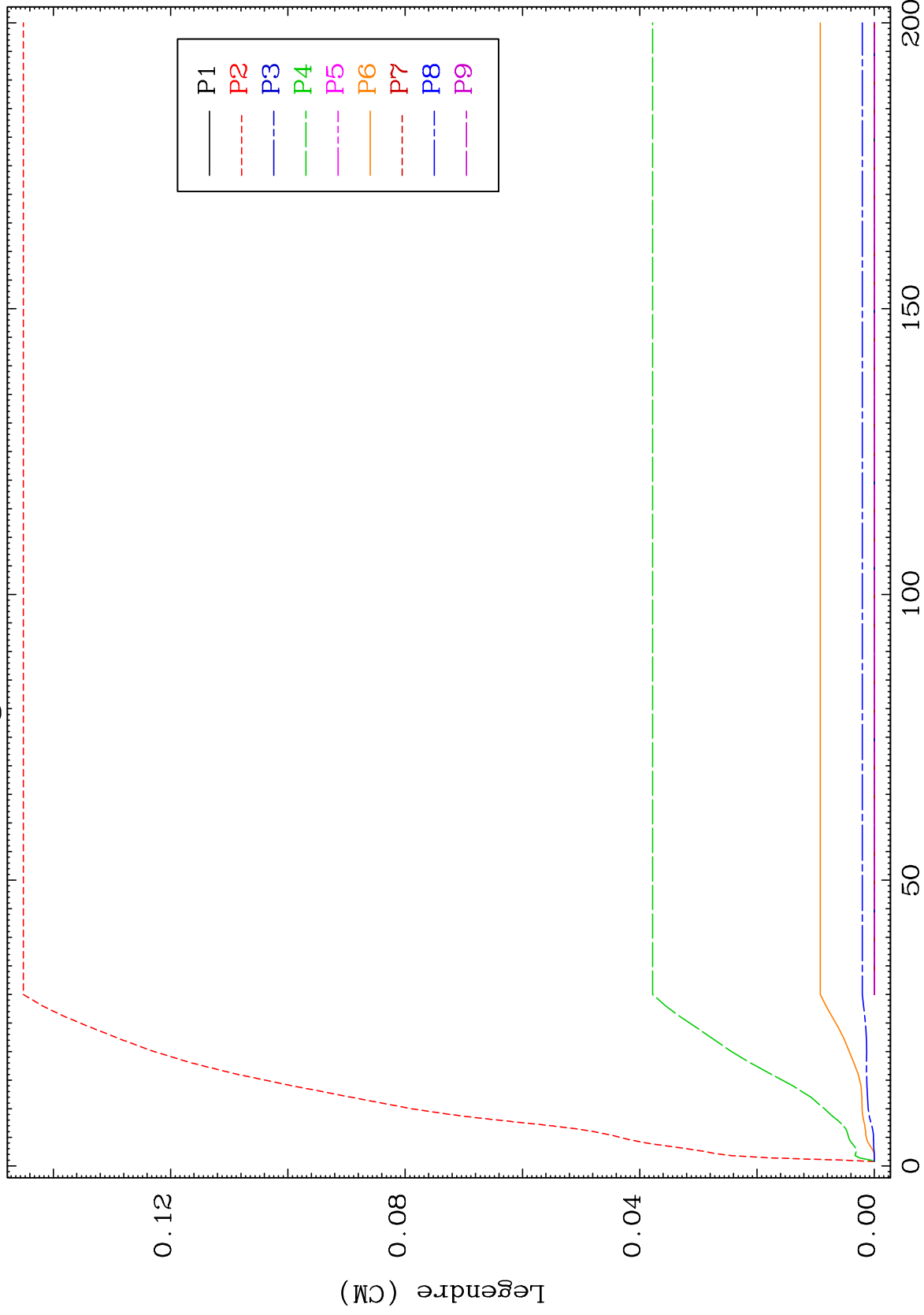
59-Pr-142



MAT 5928

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

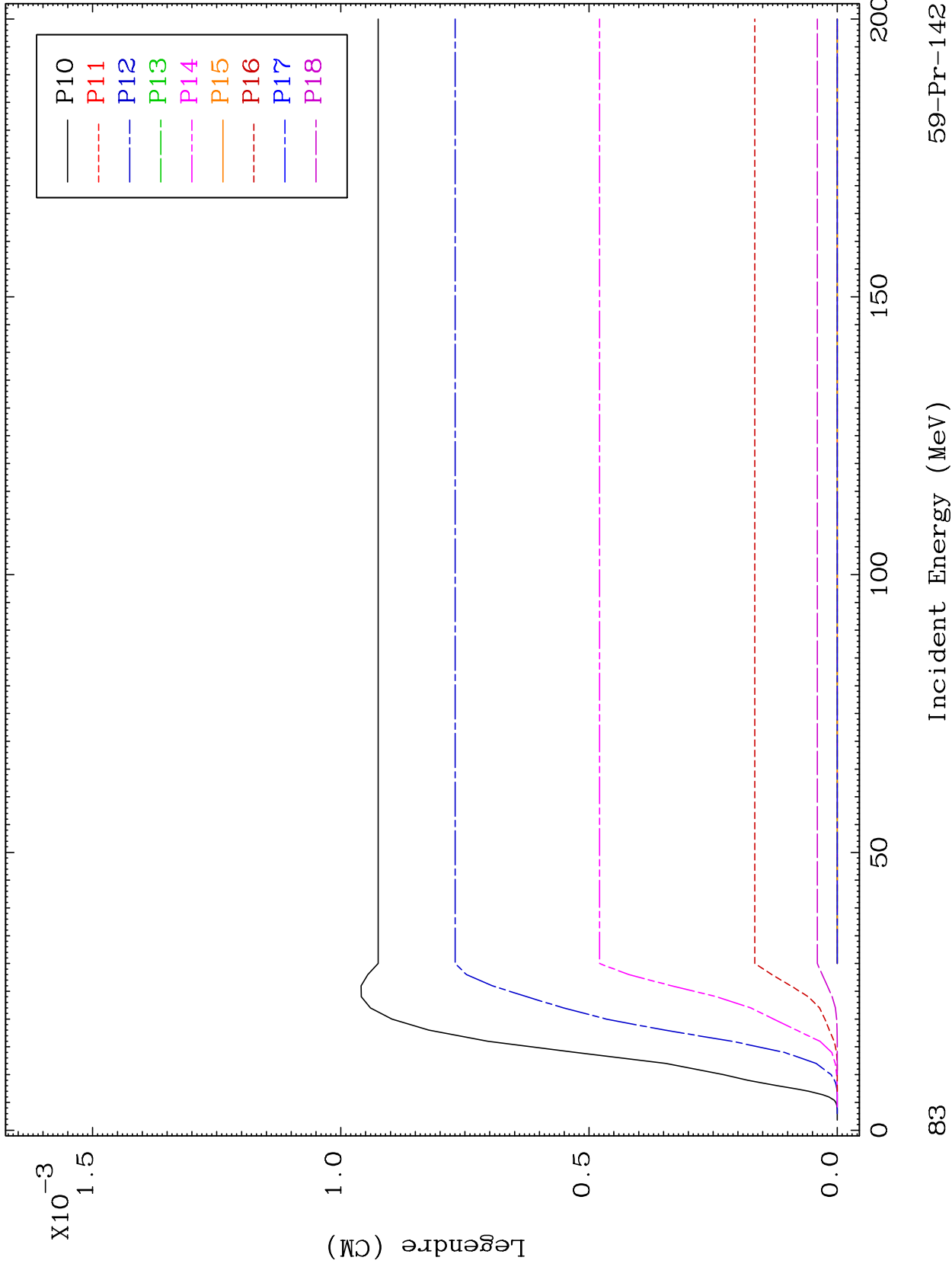
59-Pr-142

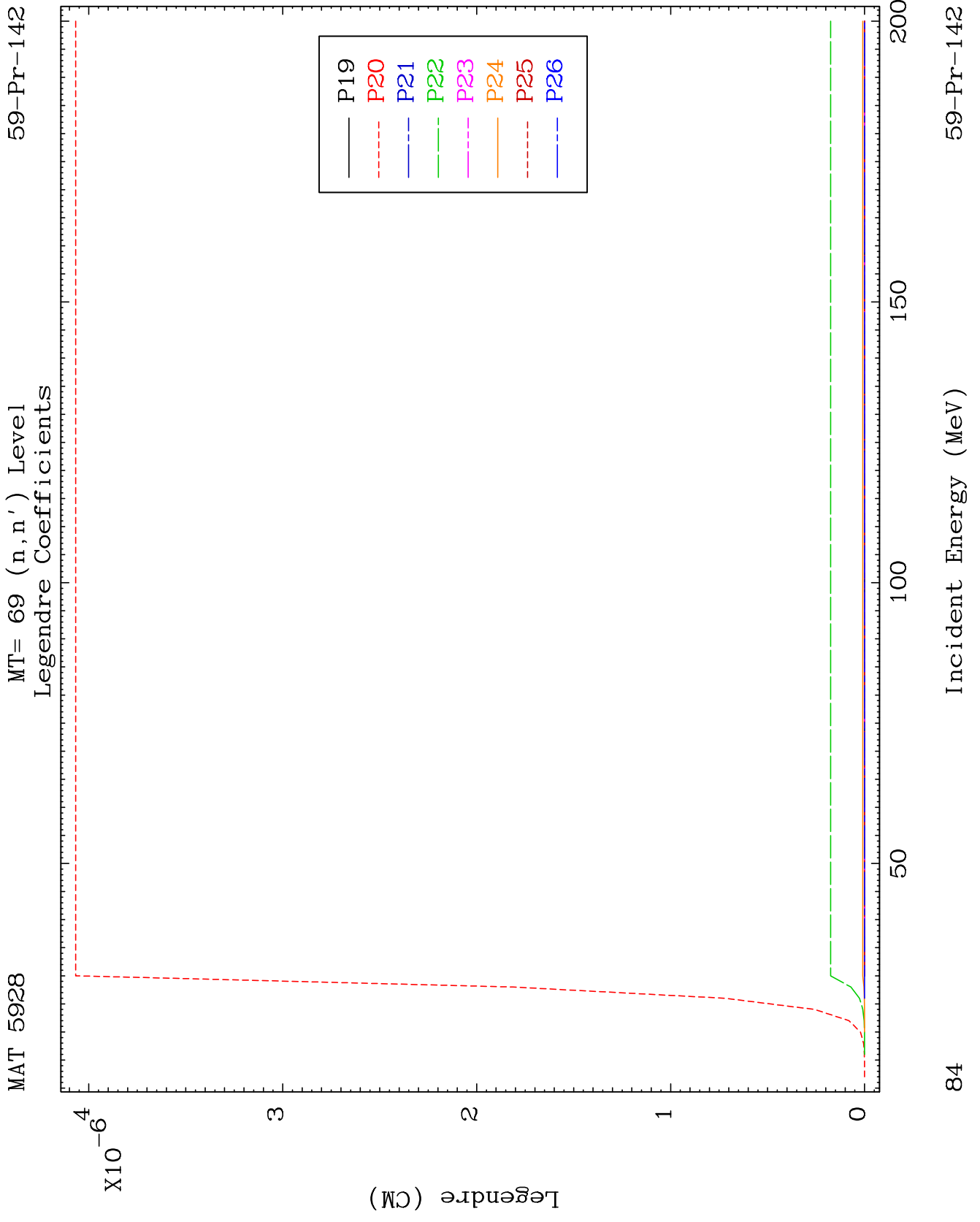


59-Pr-142

Incident Energy (MeV)

82

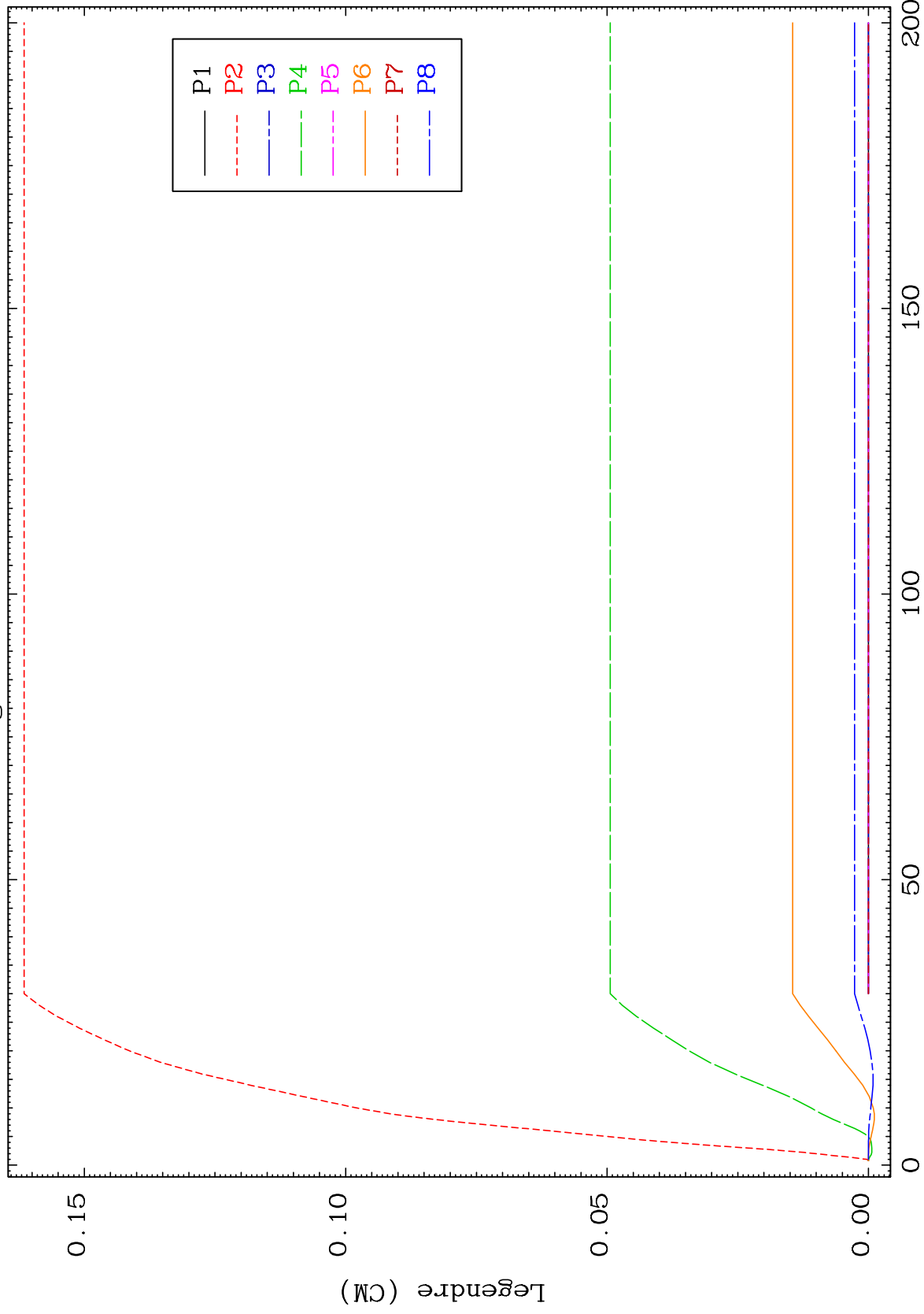




MAT 5928

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

59-Pr-142



85

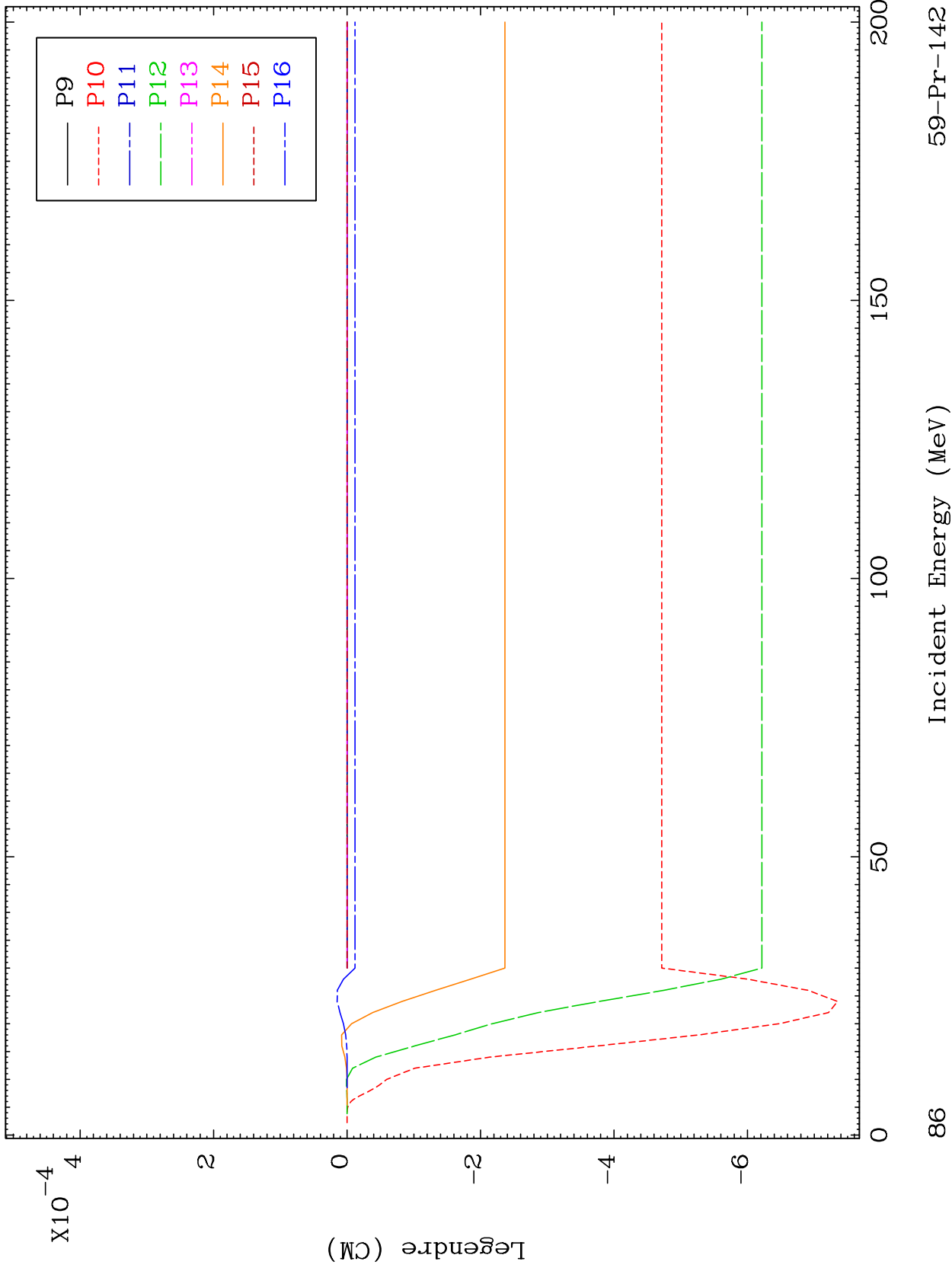
Incident Energy (MeV)

59-Pr-142

MAT 5928

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

59-Pr-142



59-Pr-142

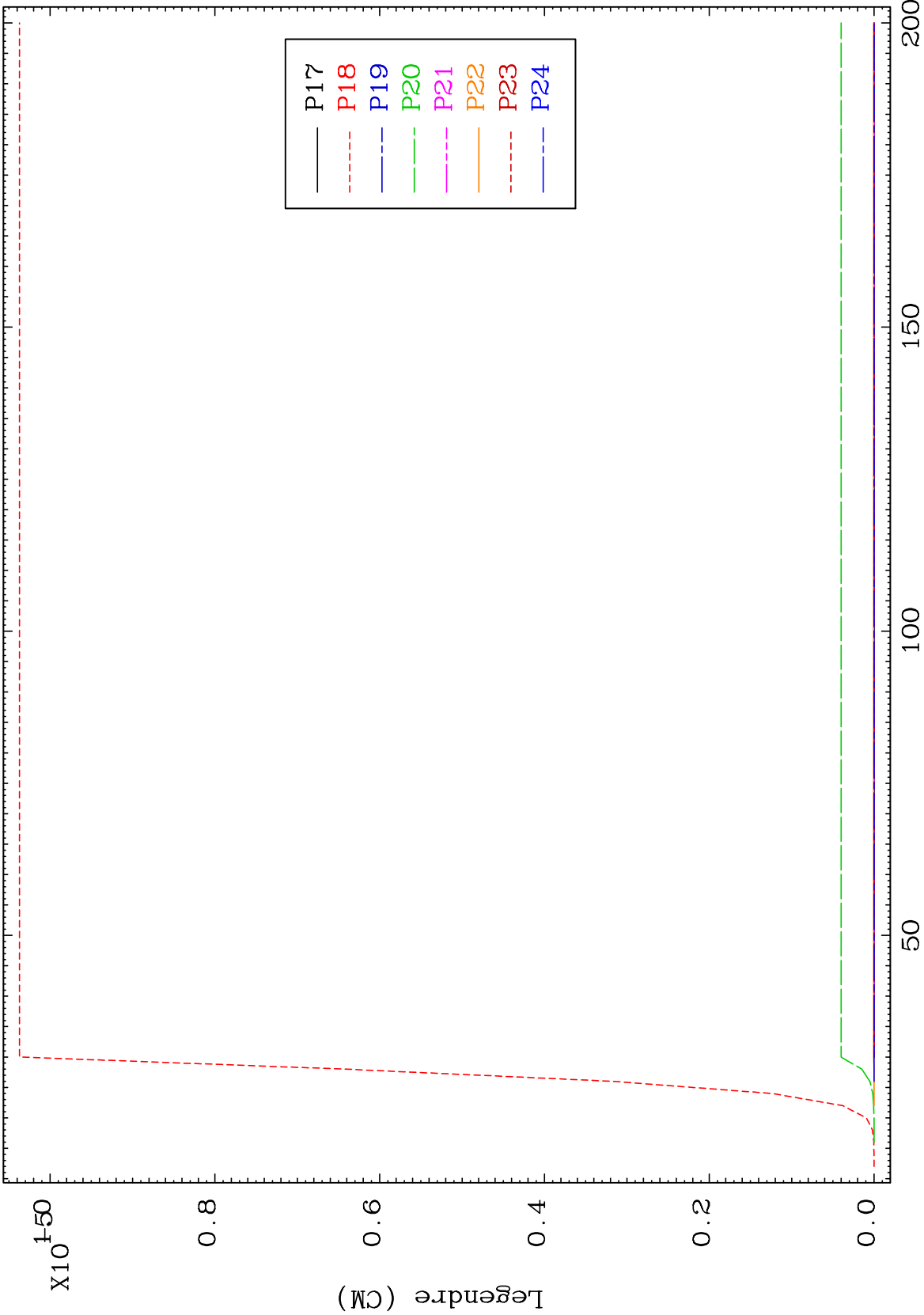
Incident Energy (MeV)

86

MAT 5928

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

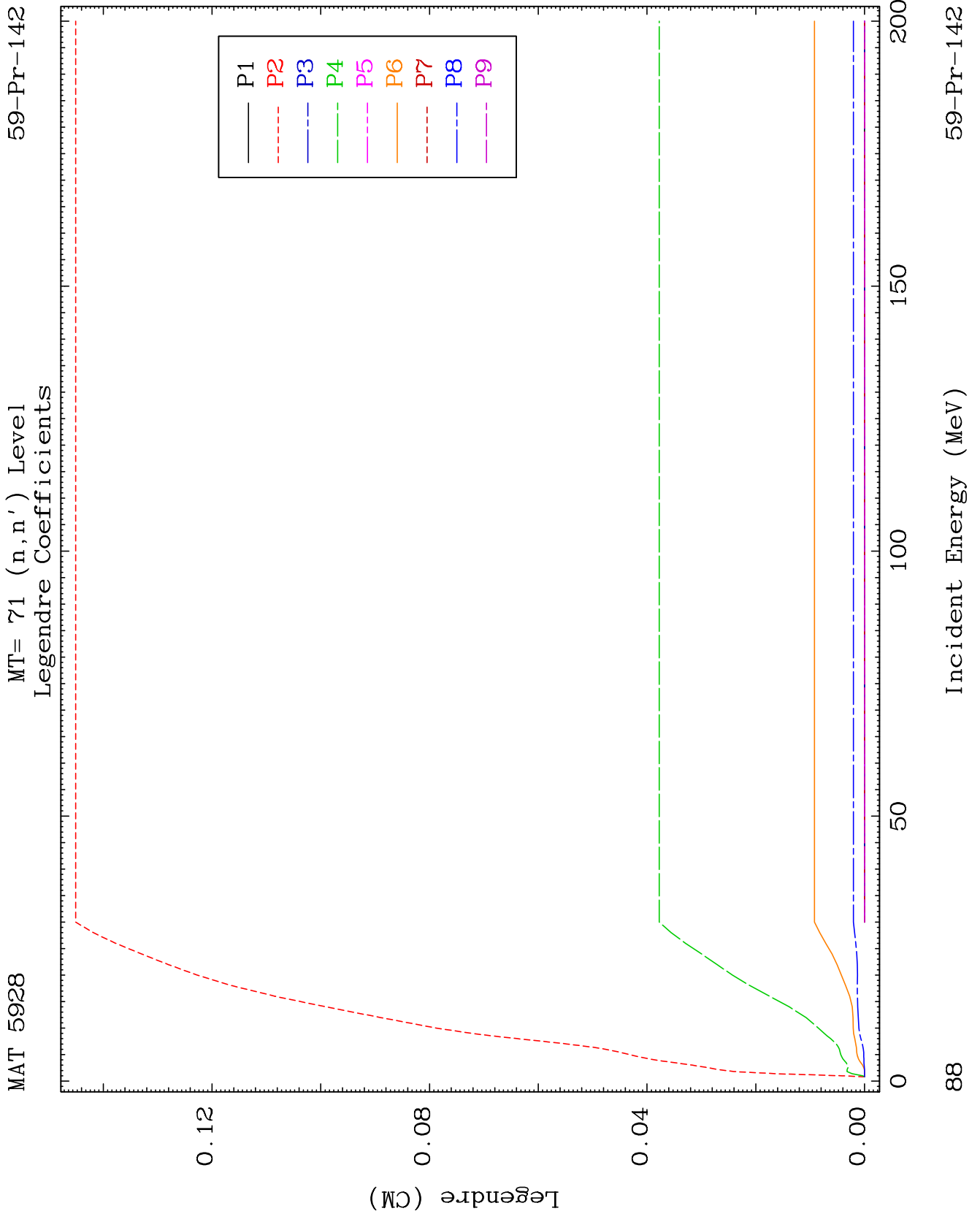
59-Pr-142



87

Incident Energy (MeV)

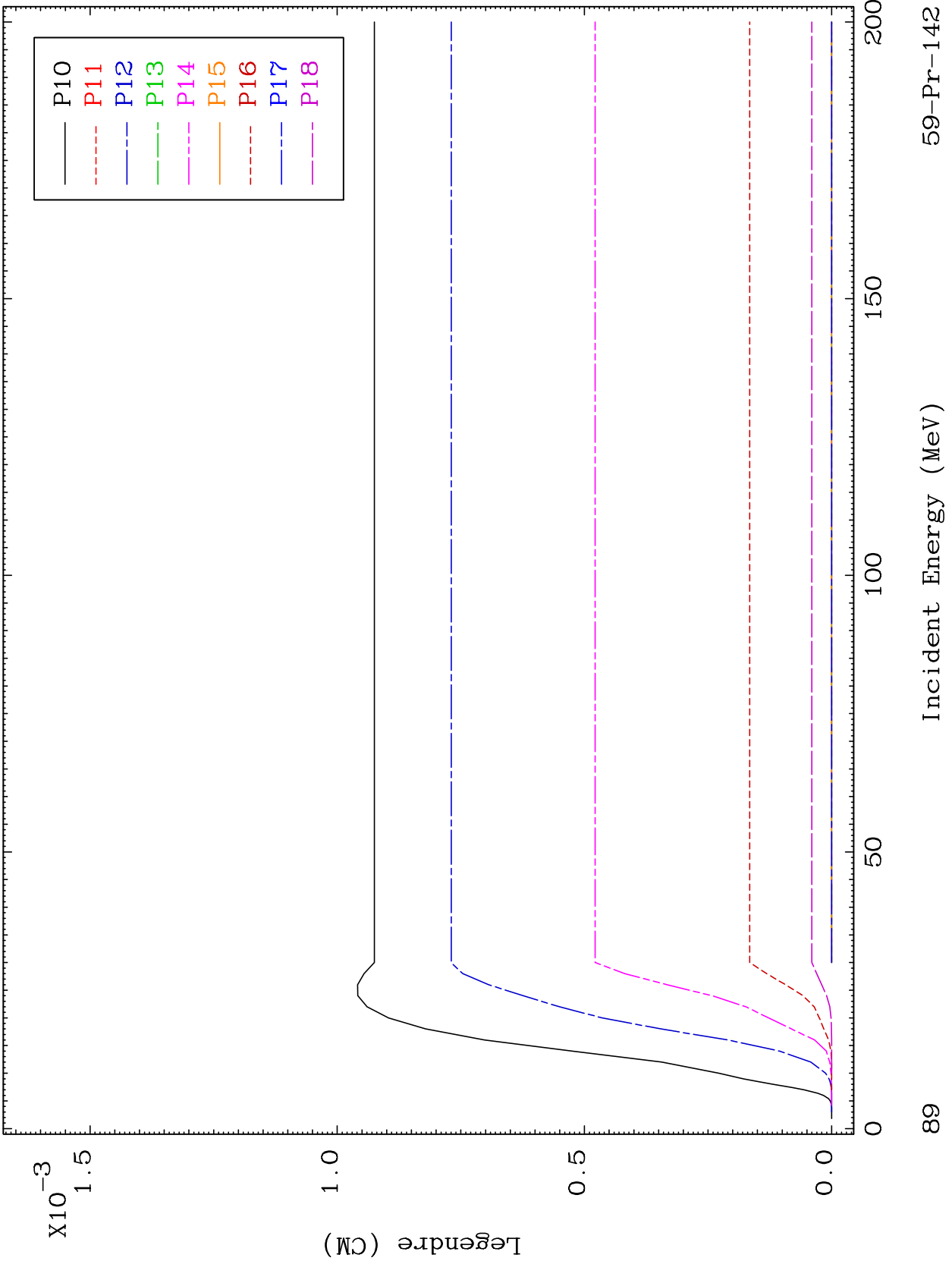
59-Pr-142



MAT 5928

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

59-Pr-142



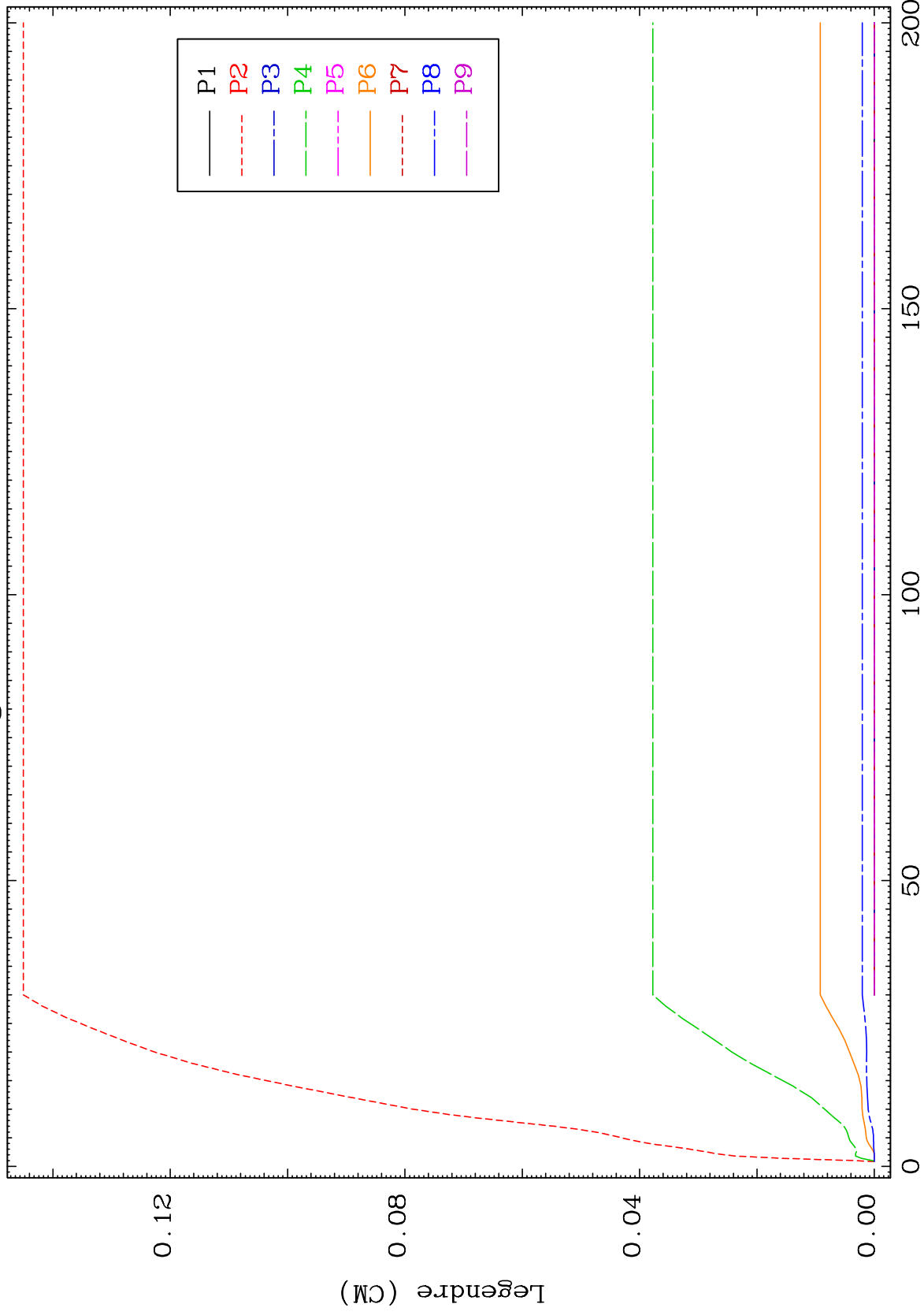
89

59-Pr-142

MAT 5928

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

59-Pr-142



91

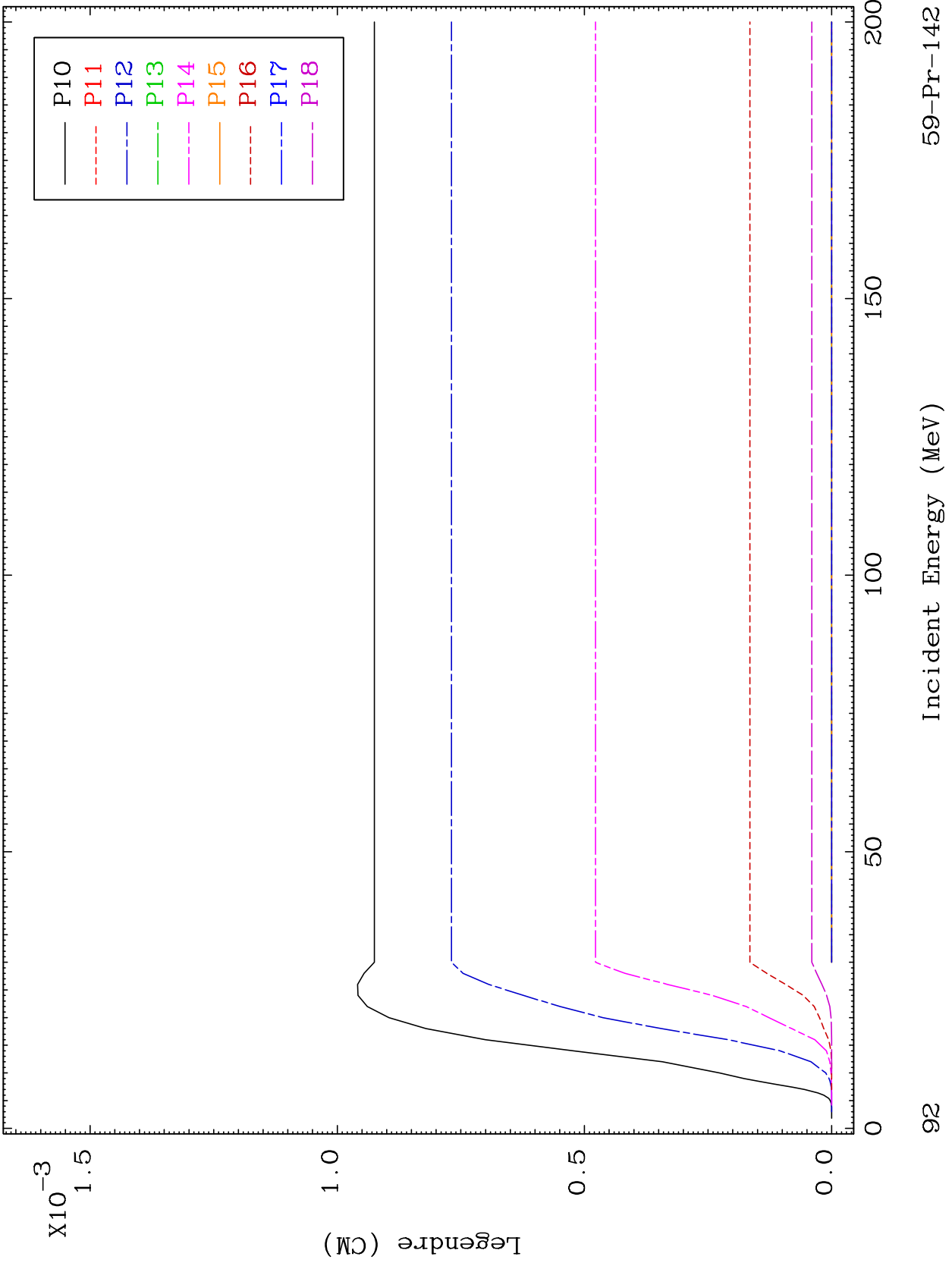
Incident Energy (MeV)

59-Pr-142

MAT 5928

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

59-Pr-142



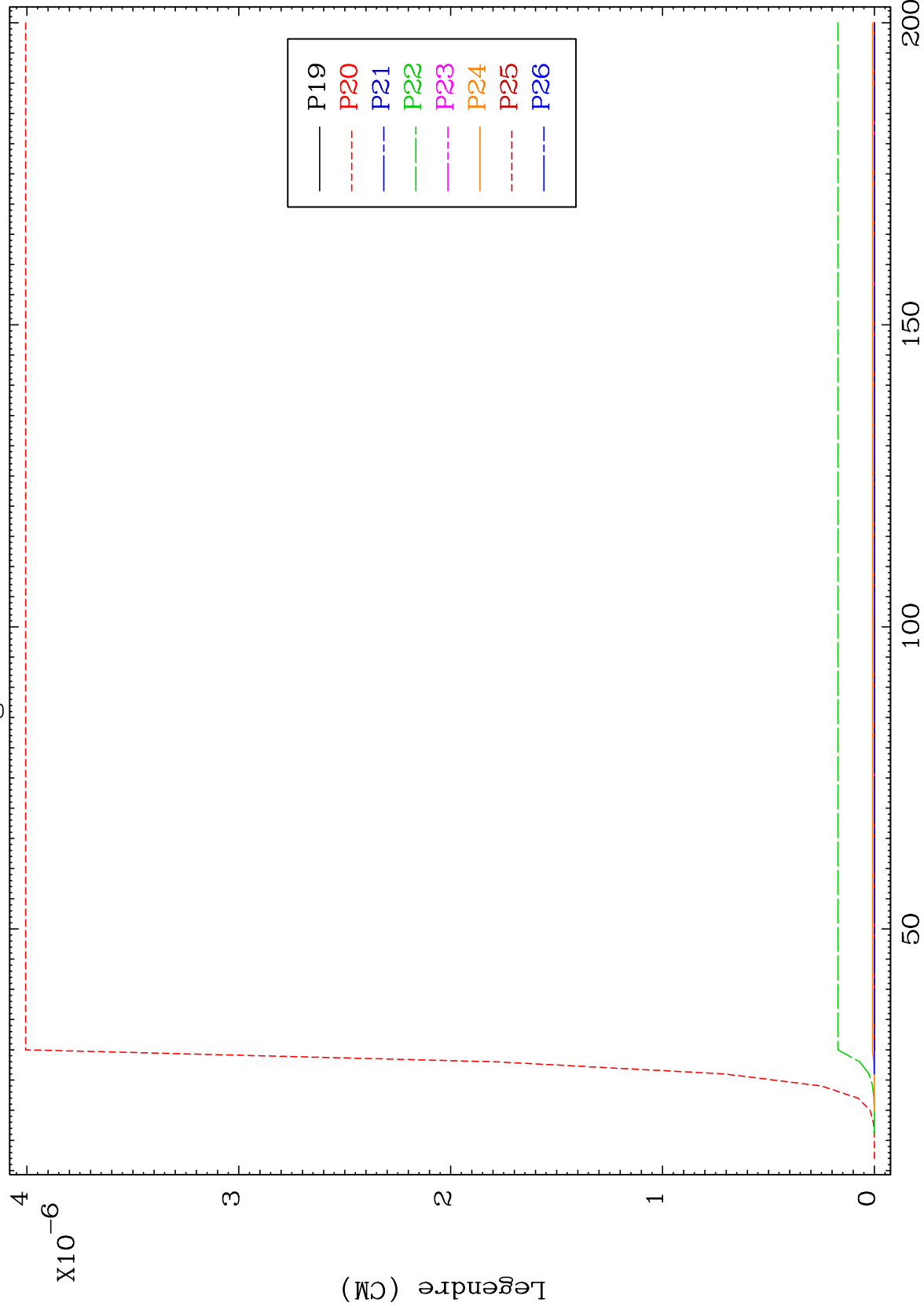
92

59-Pr-142

MAT 5928

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

59-Pr-142



59-Pr-142

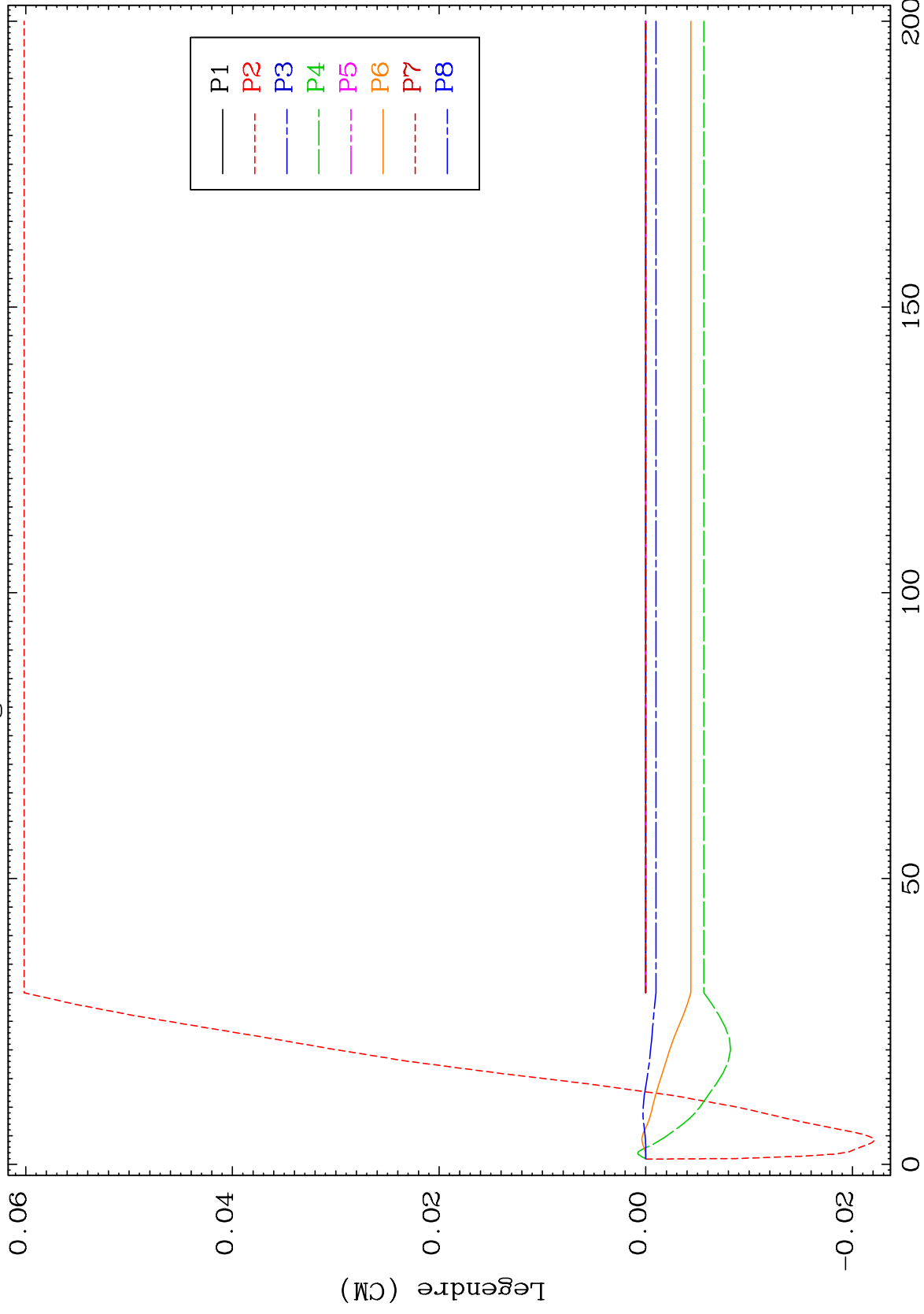
Incident Energy (MeV)

93

MAT 5928

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

59-Pr-142



94

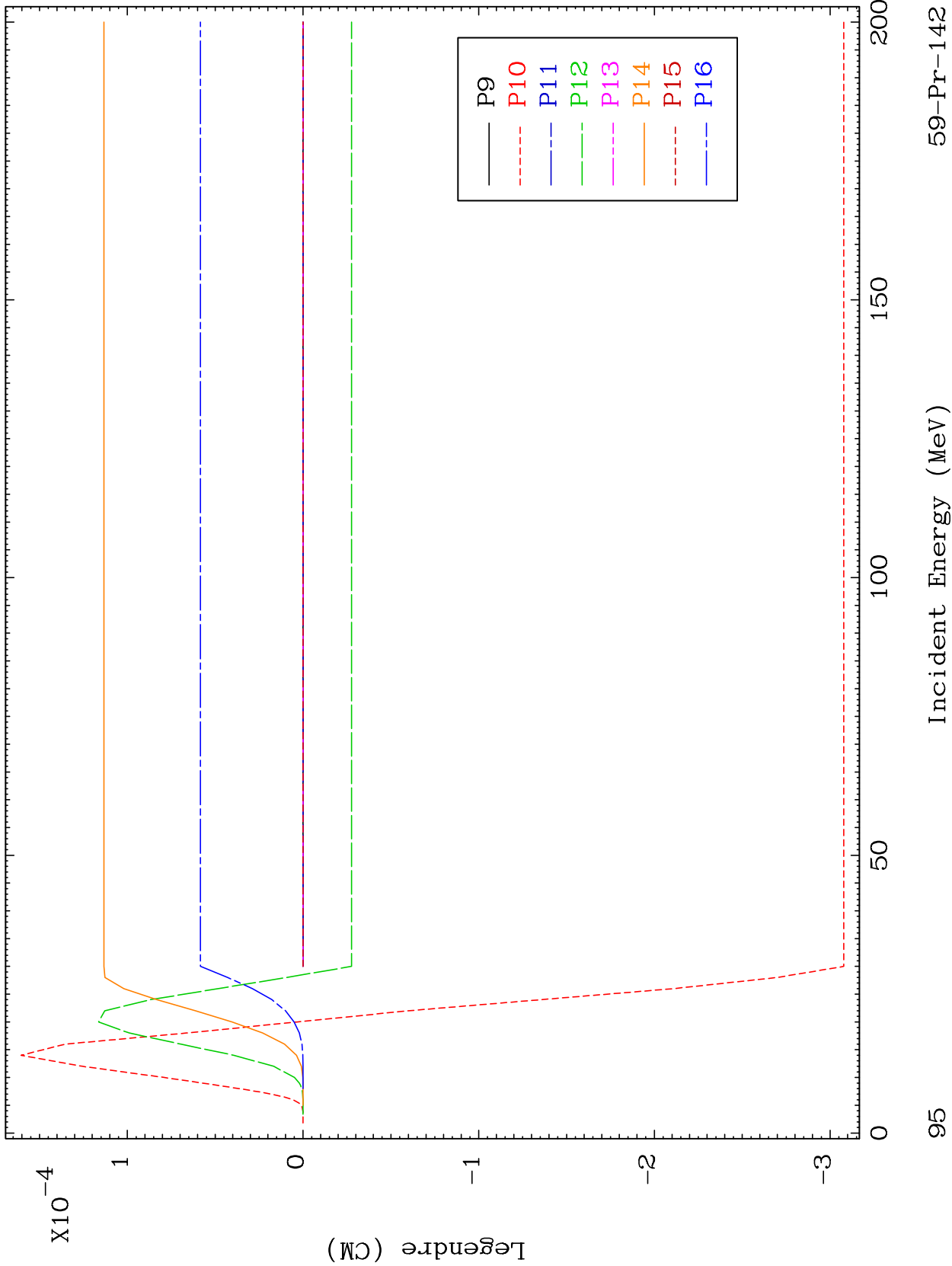
Incident Energy (MeV)

59-Pr-142

MAT 5928

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

59-Pr-142



59-Pr-142

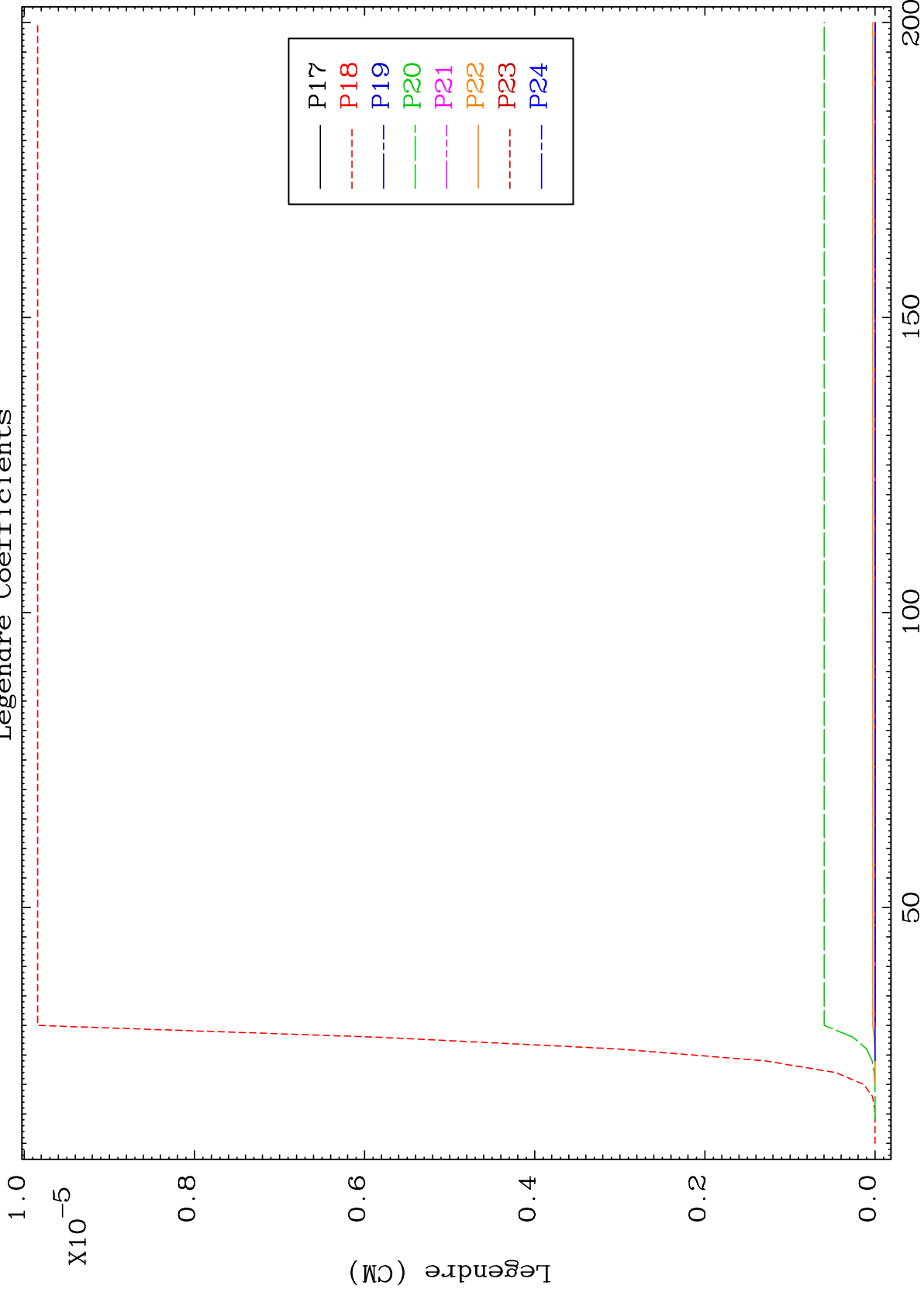
Incident Energy (MeV)

95

MAT 5928

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

59-Pr-142



59-Pr-142

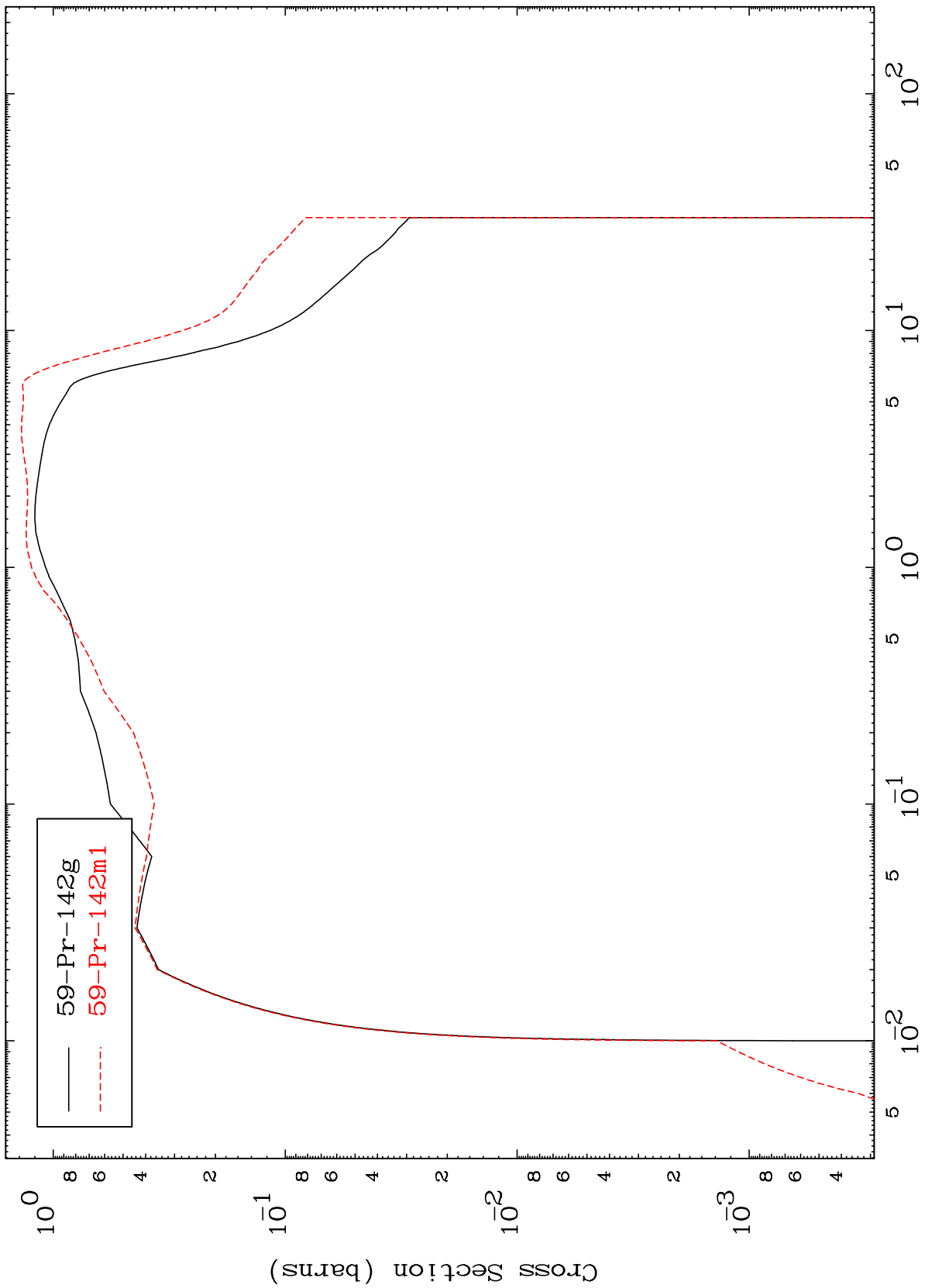
Incident Energy (MeV)

96

MAT 5928

59-Pr-142

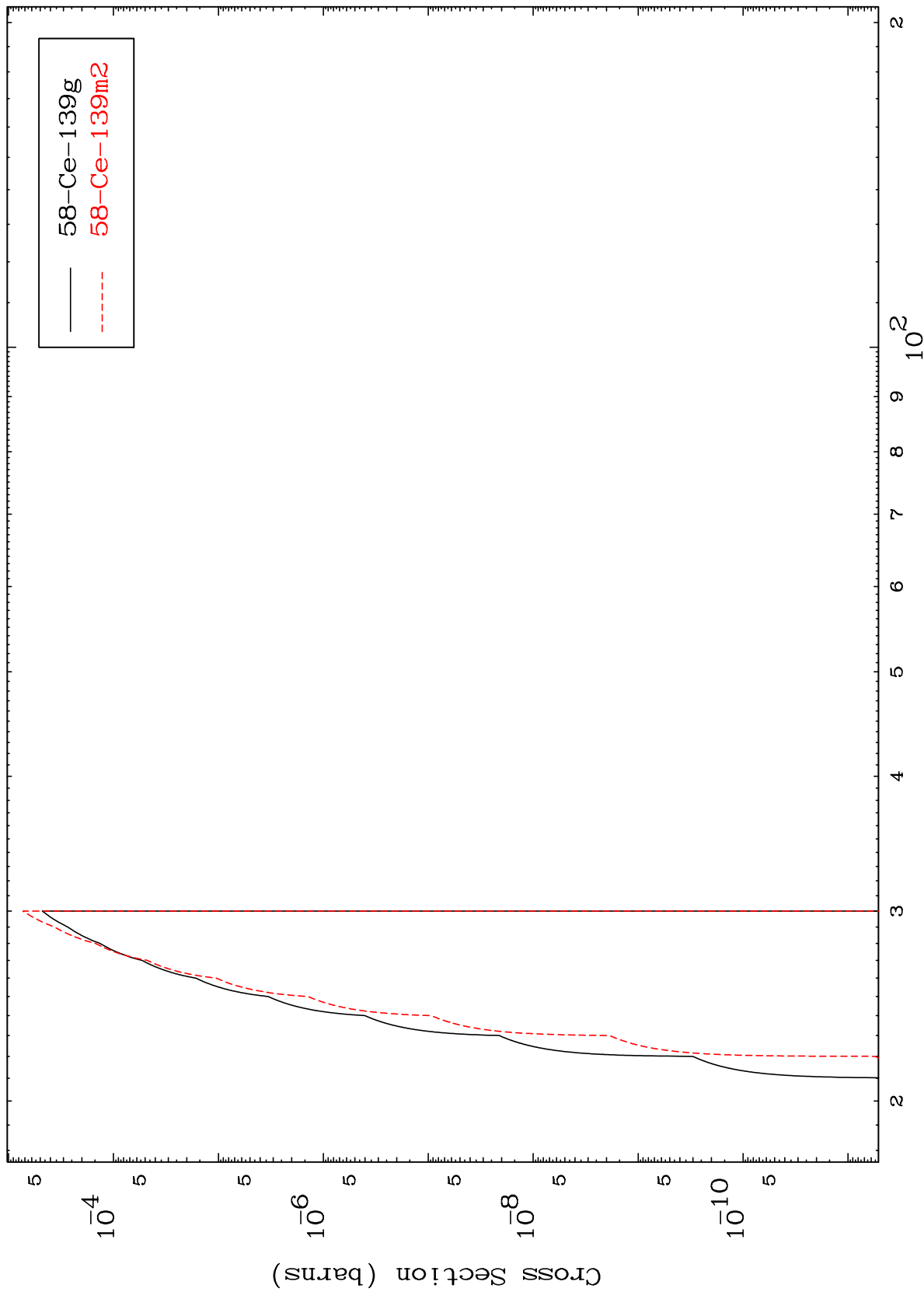
Inelastic
Radionuclide Production Cross Section



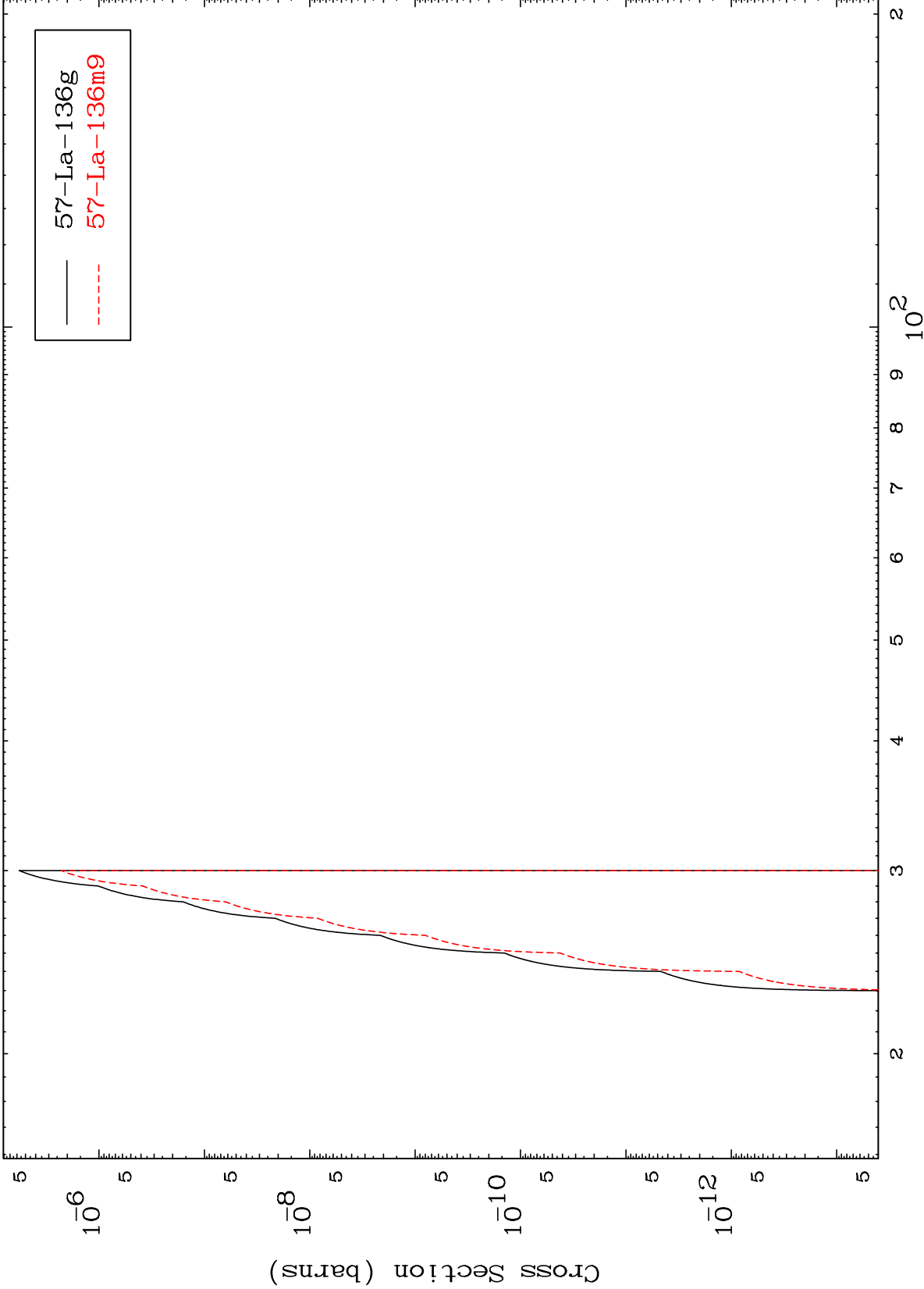
97

59-Pr-142

Radionuclide Production Cross Section



Radionuclide Production Cross Section



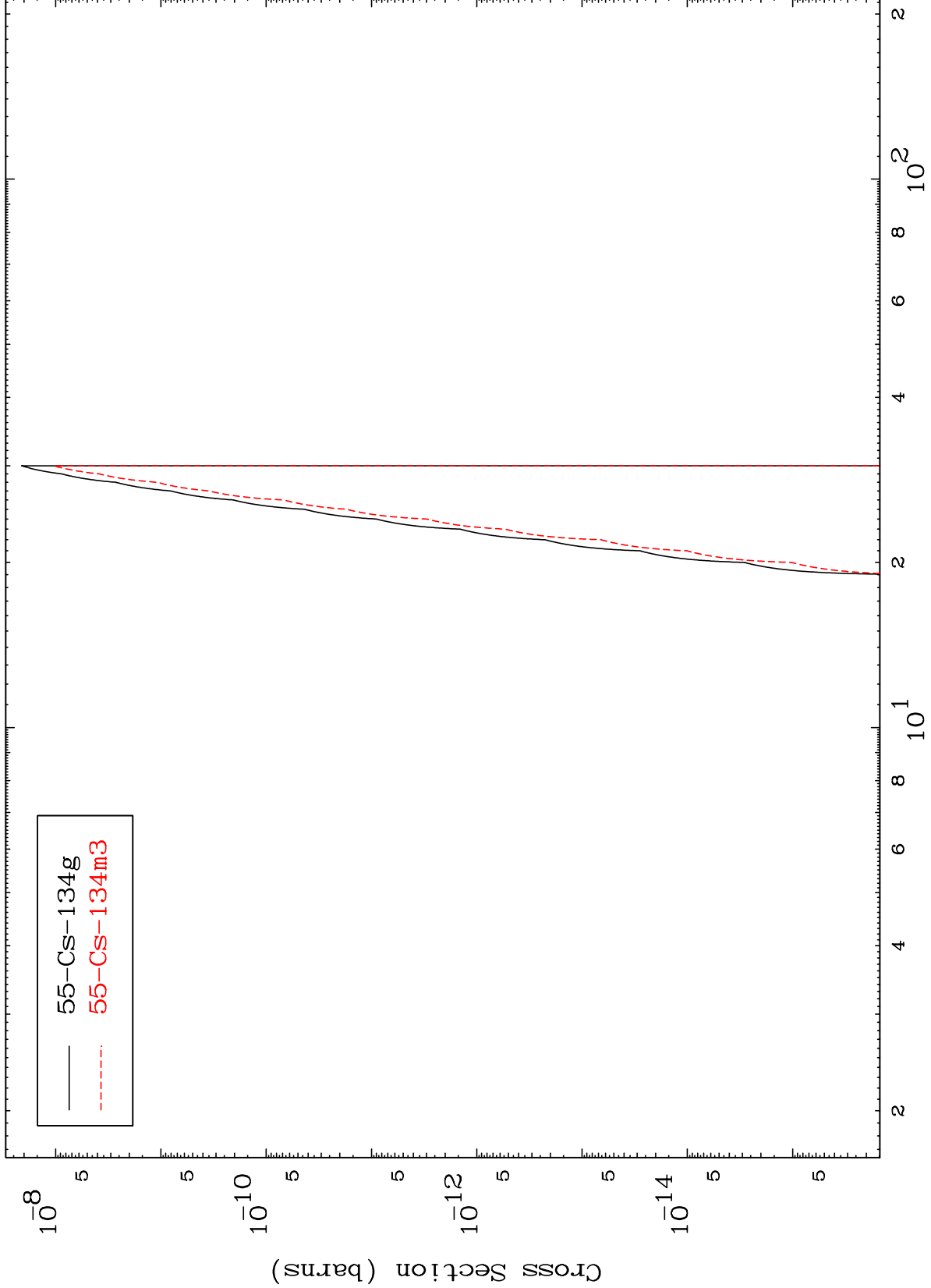
57-La-136g
57-La-136m9

MAT 5928

(n,n') 2 α

59-Pr-142

Radionuclide Production Cross Section



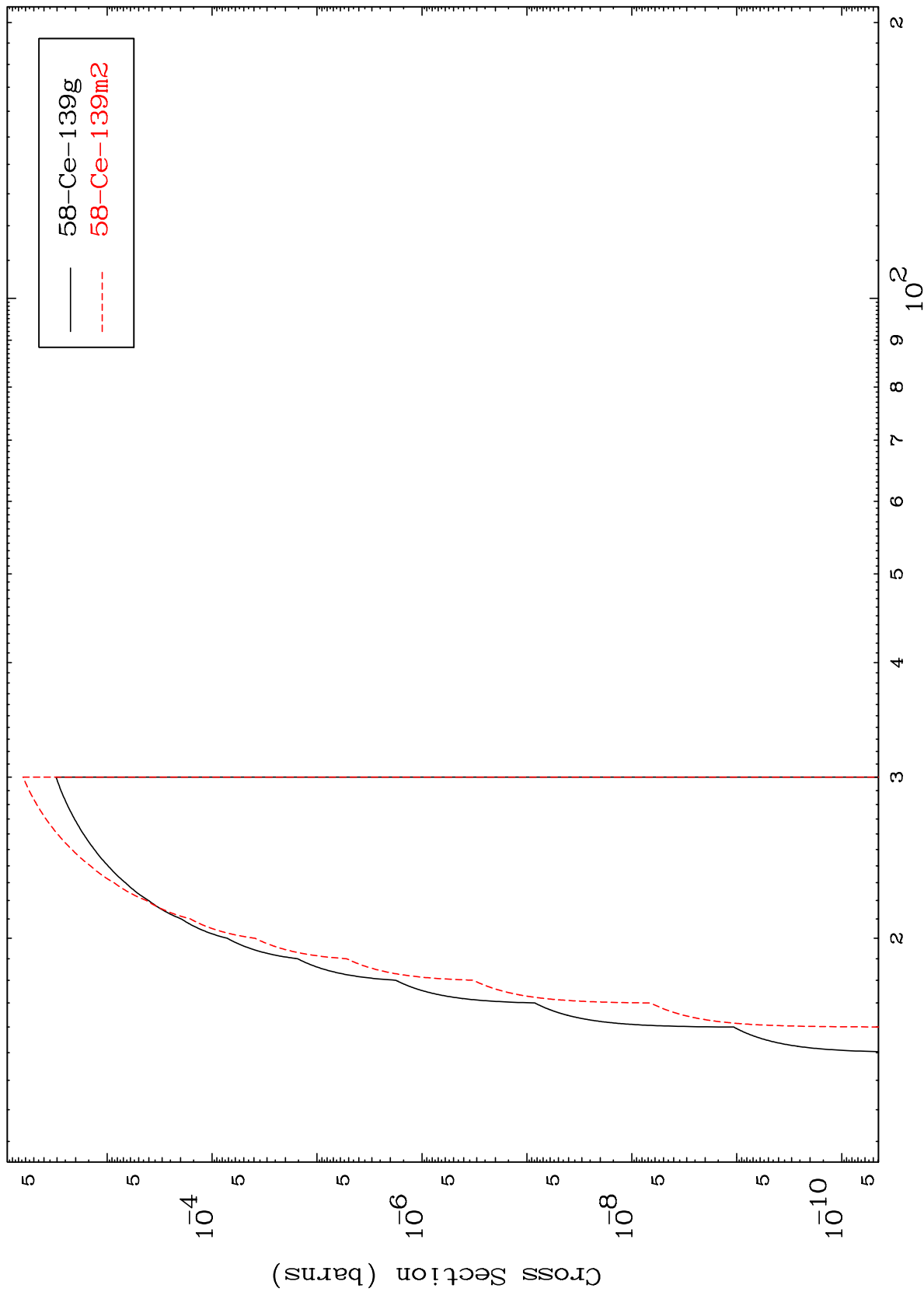
55-Cs-134g
55-Cs-134m3

100

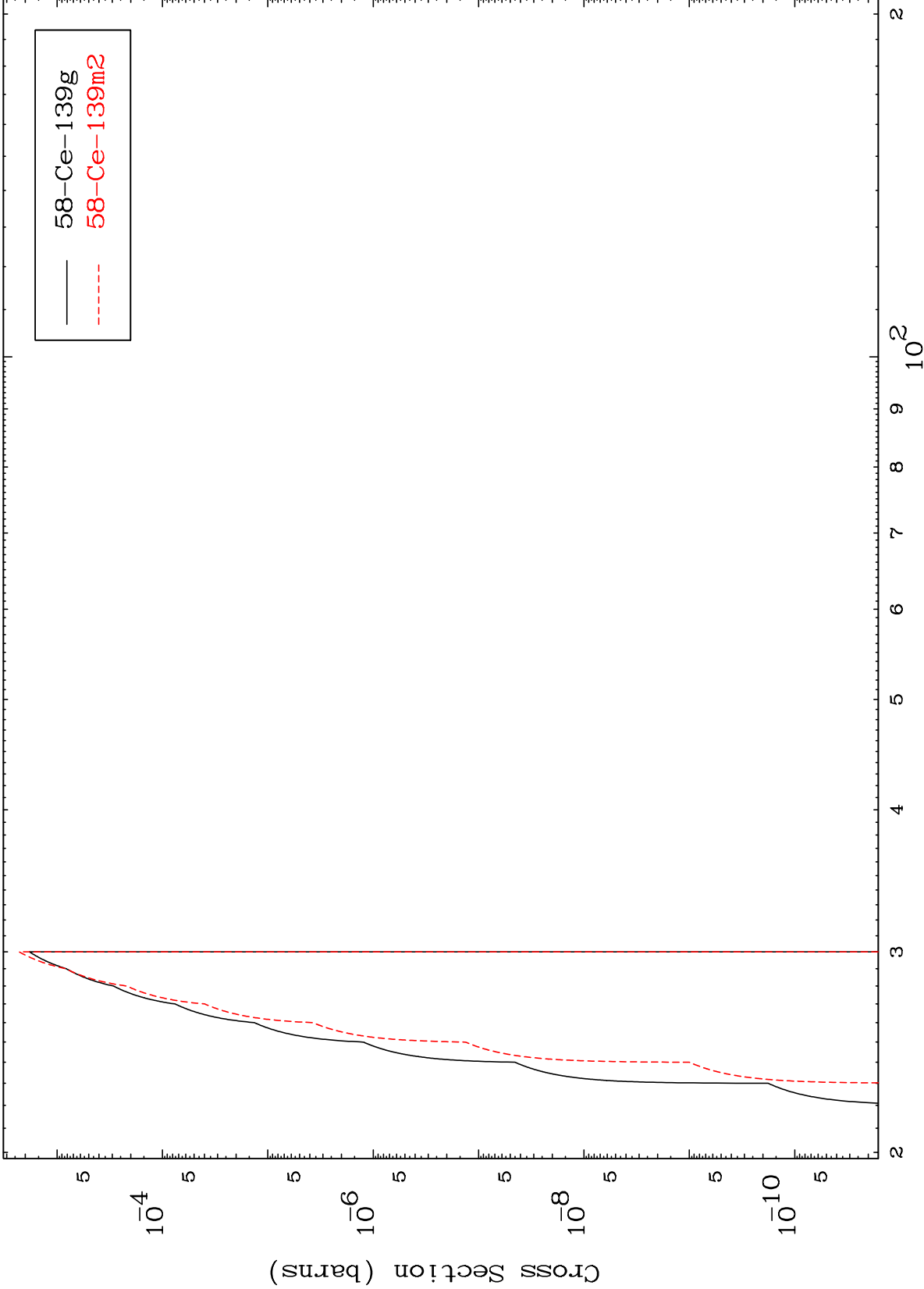
Incident Energy (MeV)

59-Pr-142

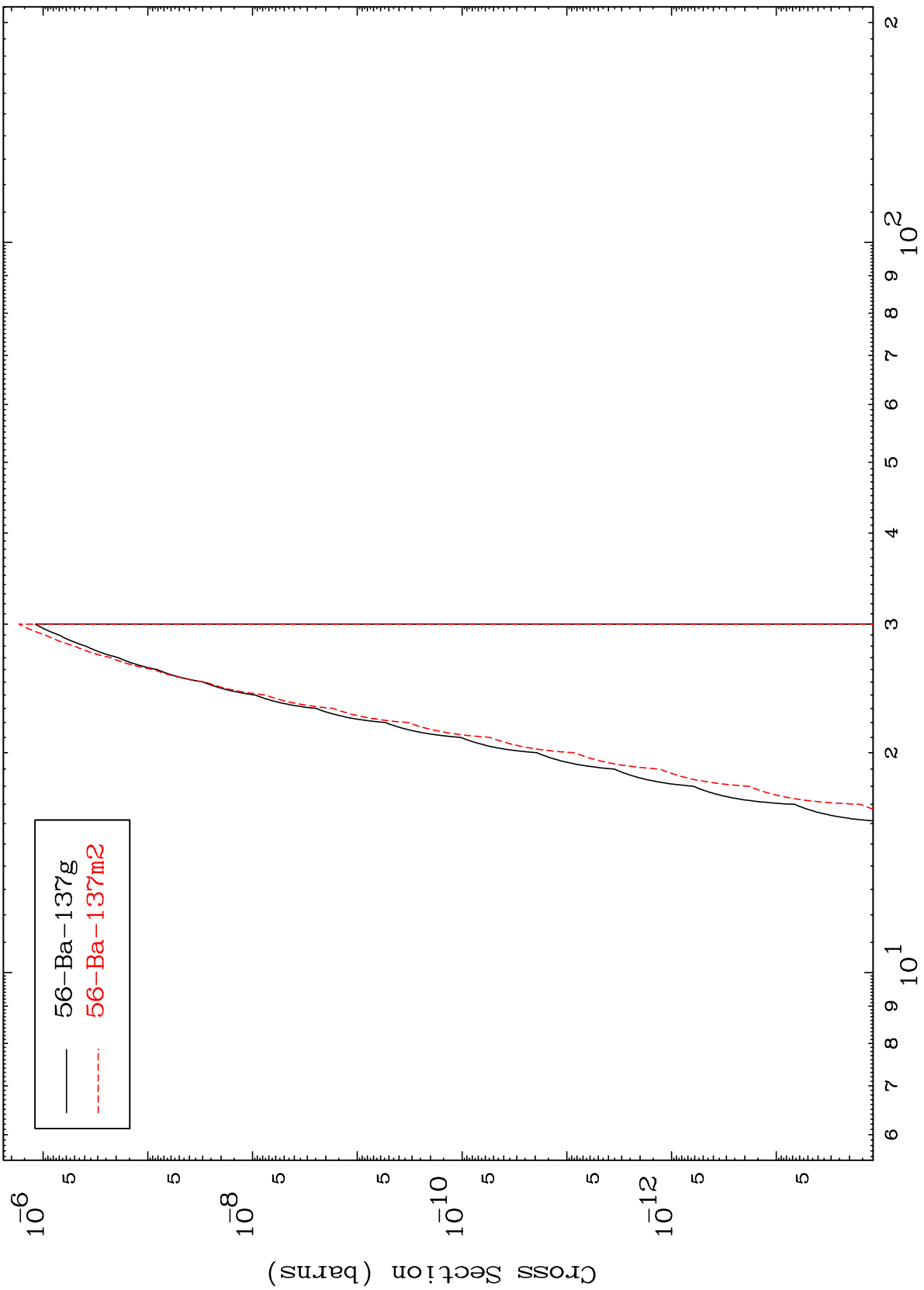
Radionuclide Production Cross Section



Radionuclide Production Cross Section



Radionuclide Production Cross Section



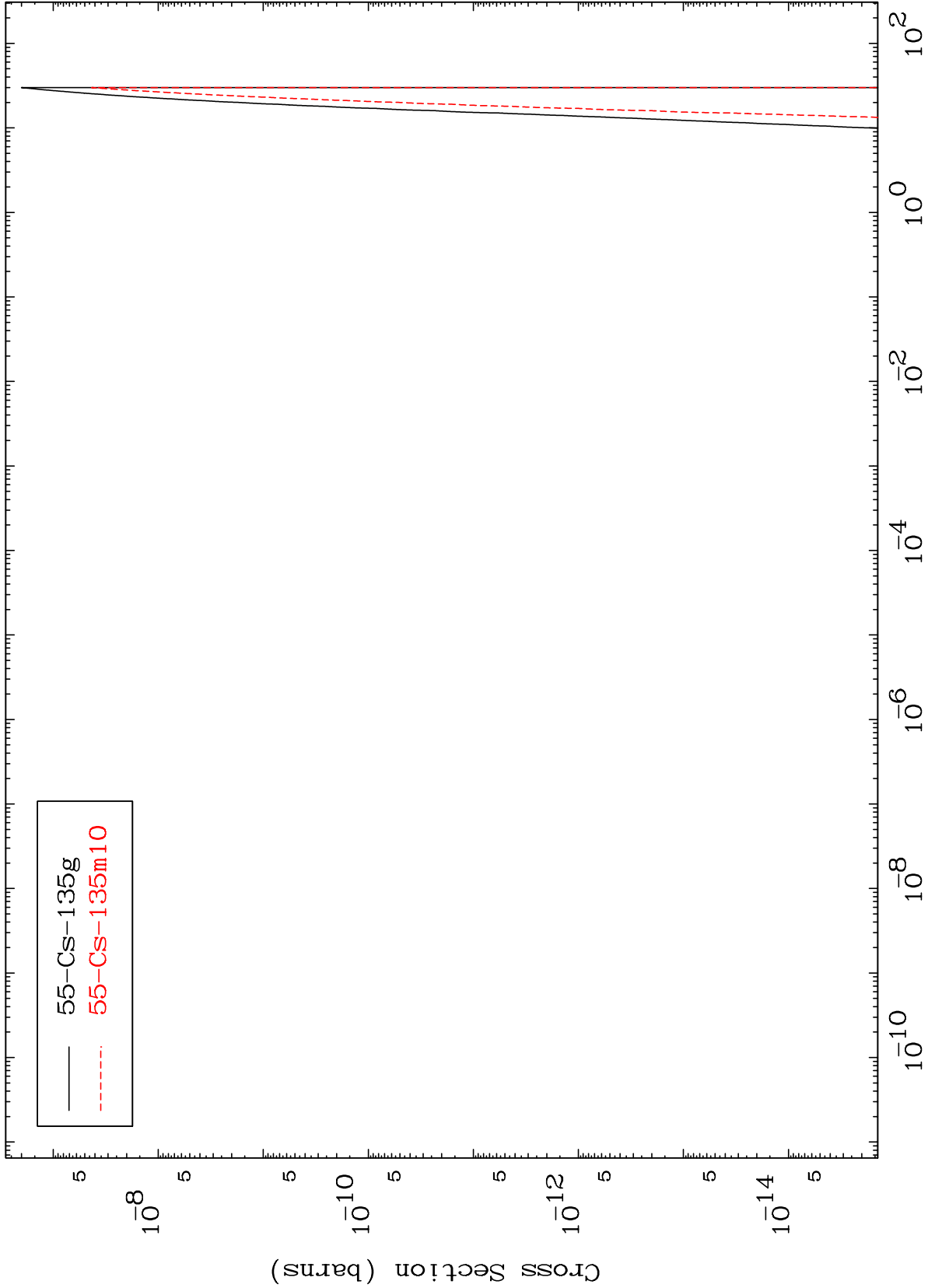
56-Ba-137g
56-Ba-137m2

MAT 5928

(n,2α)

59-Pr-142

Radionuclide Production Cross Section



104

Incident Energy (MeV)

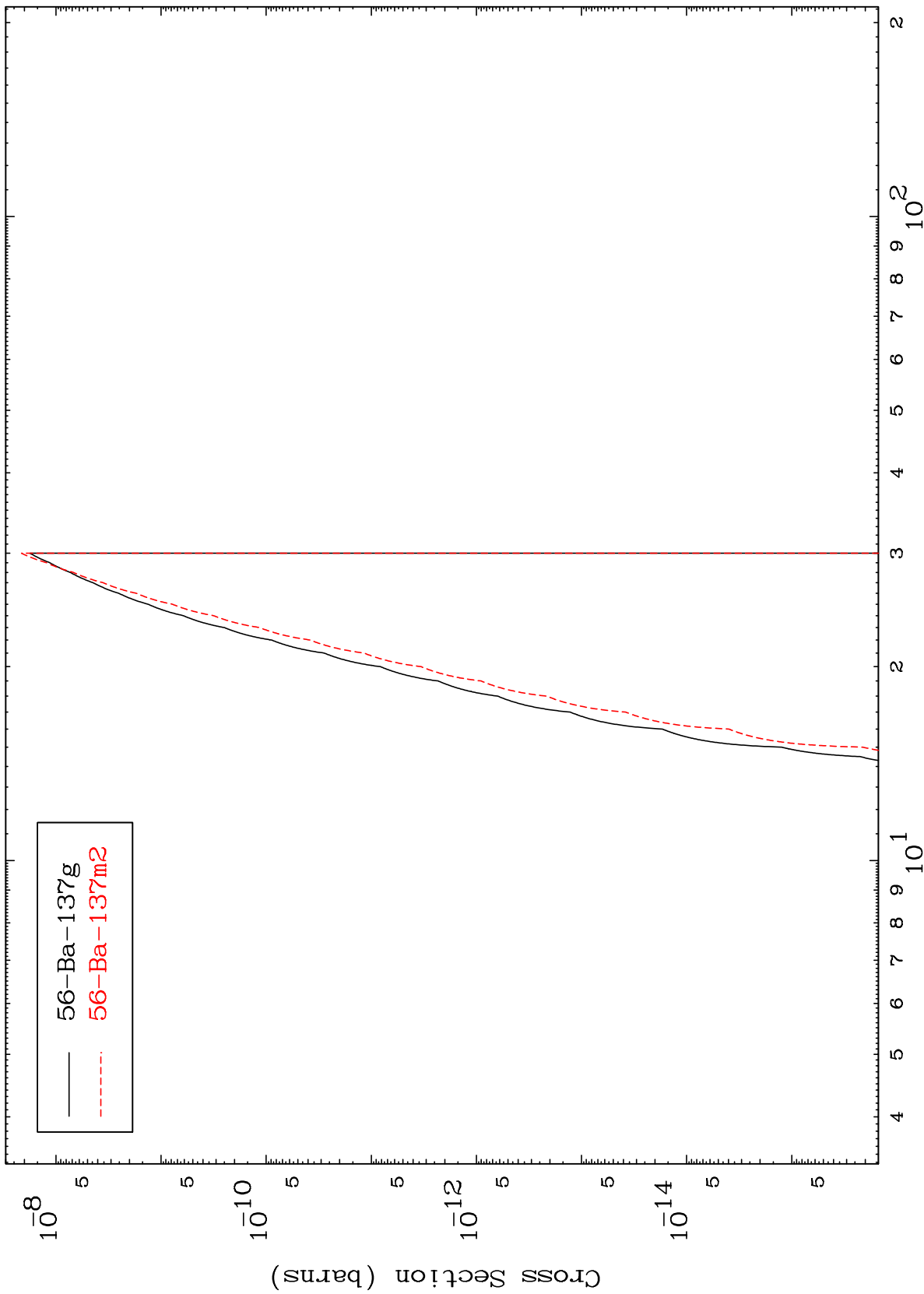
59-Pr-142

MAT 5928

(n,d) α

59-Pr-142

Radionuclide Production Cross Section



105

Incident Energy (MeV)

59-Pr-142