

Program EVALPLOT
(Version 2018-1)

by

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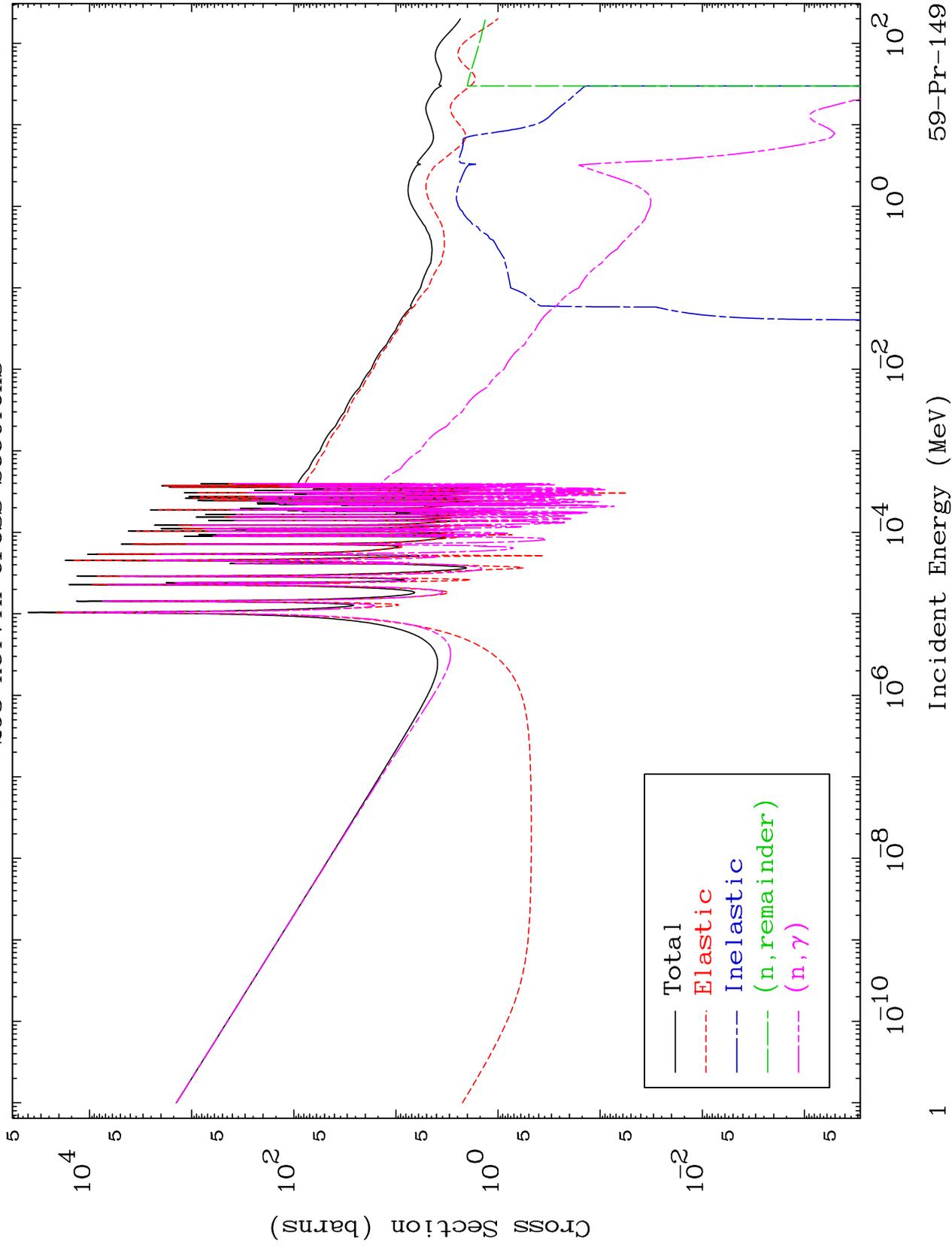
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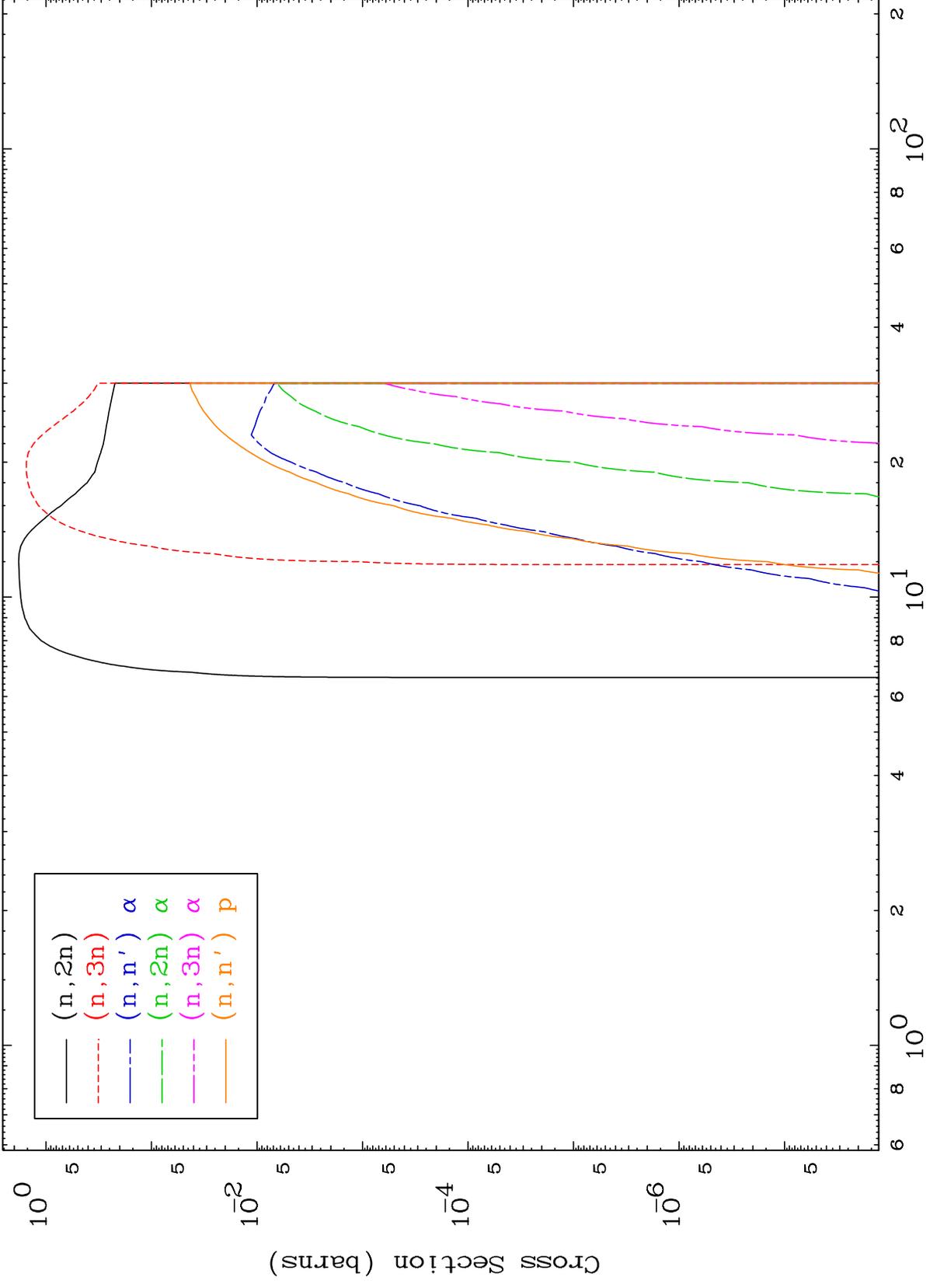
MAT 5949

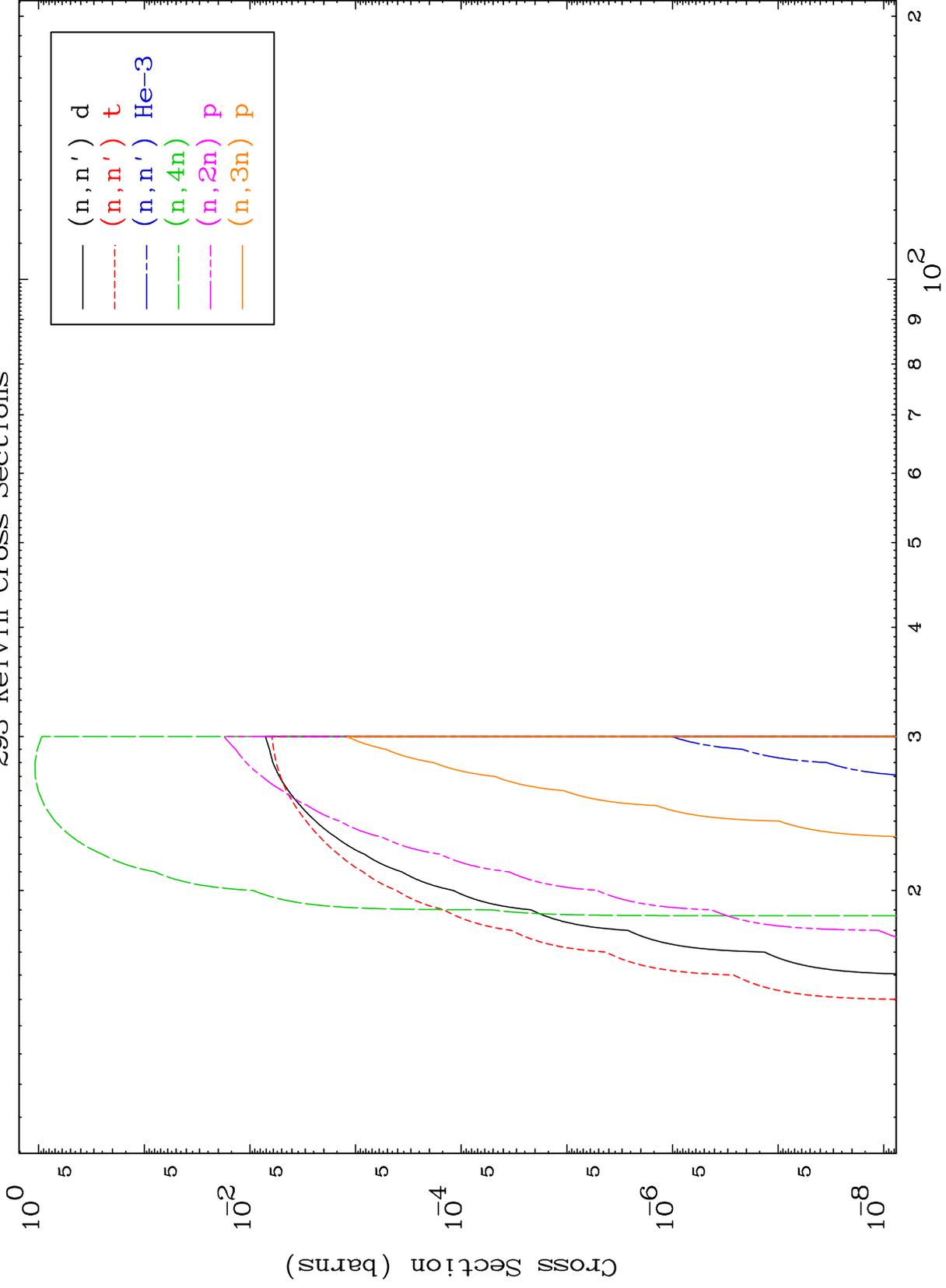
Major

293 Kelvin Cross Sections

59-Pr-149



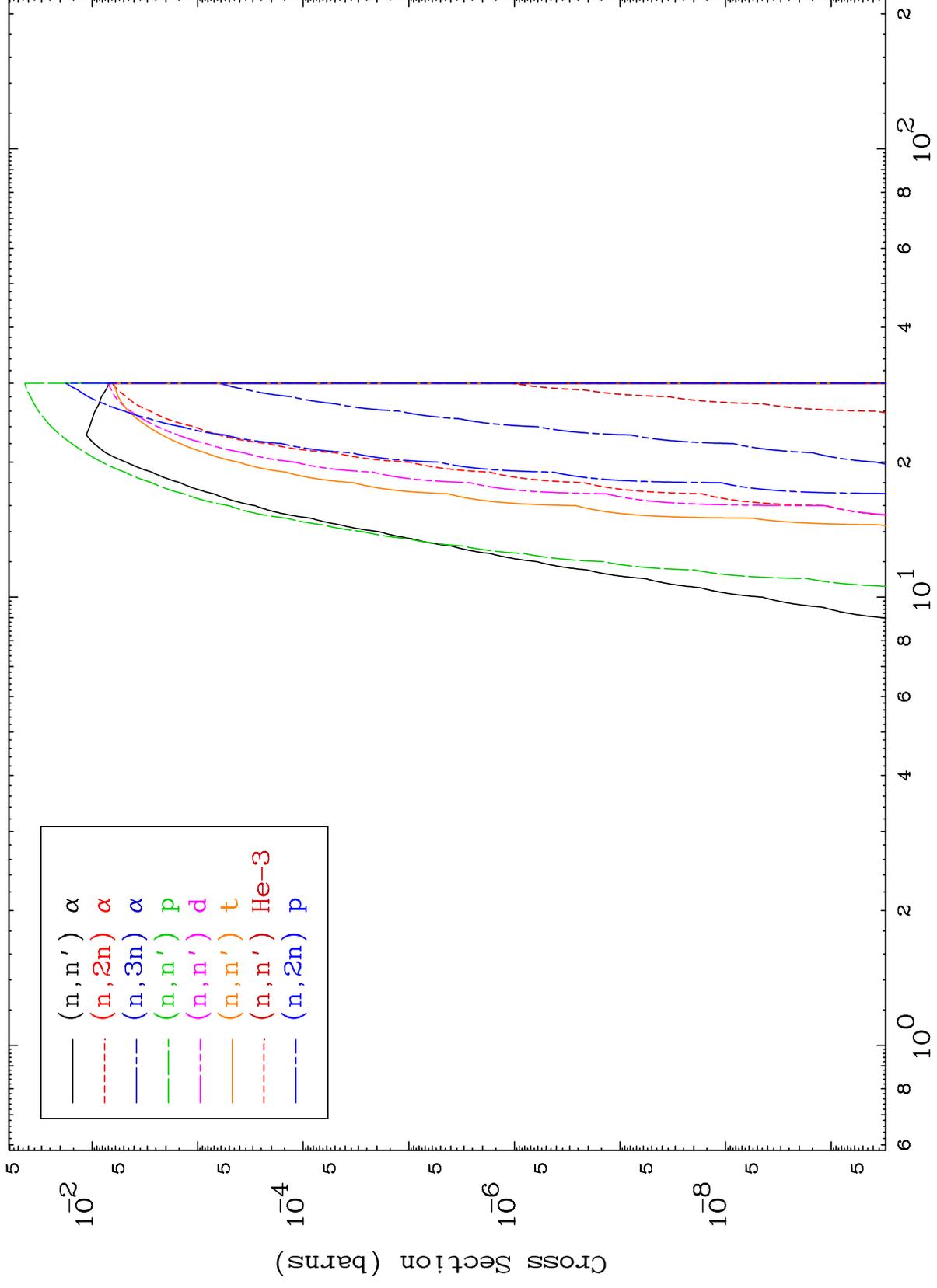




MAT 5949

293 Kelvin Cross Sections
Charged Particle

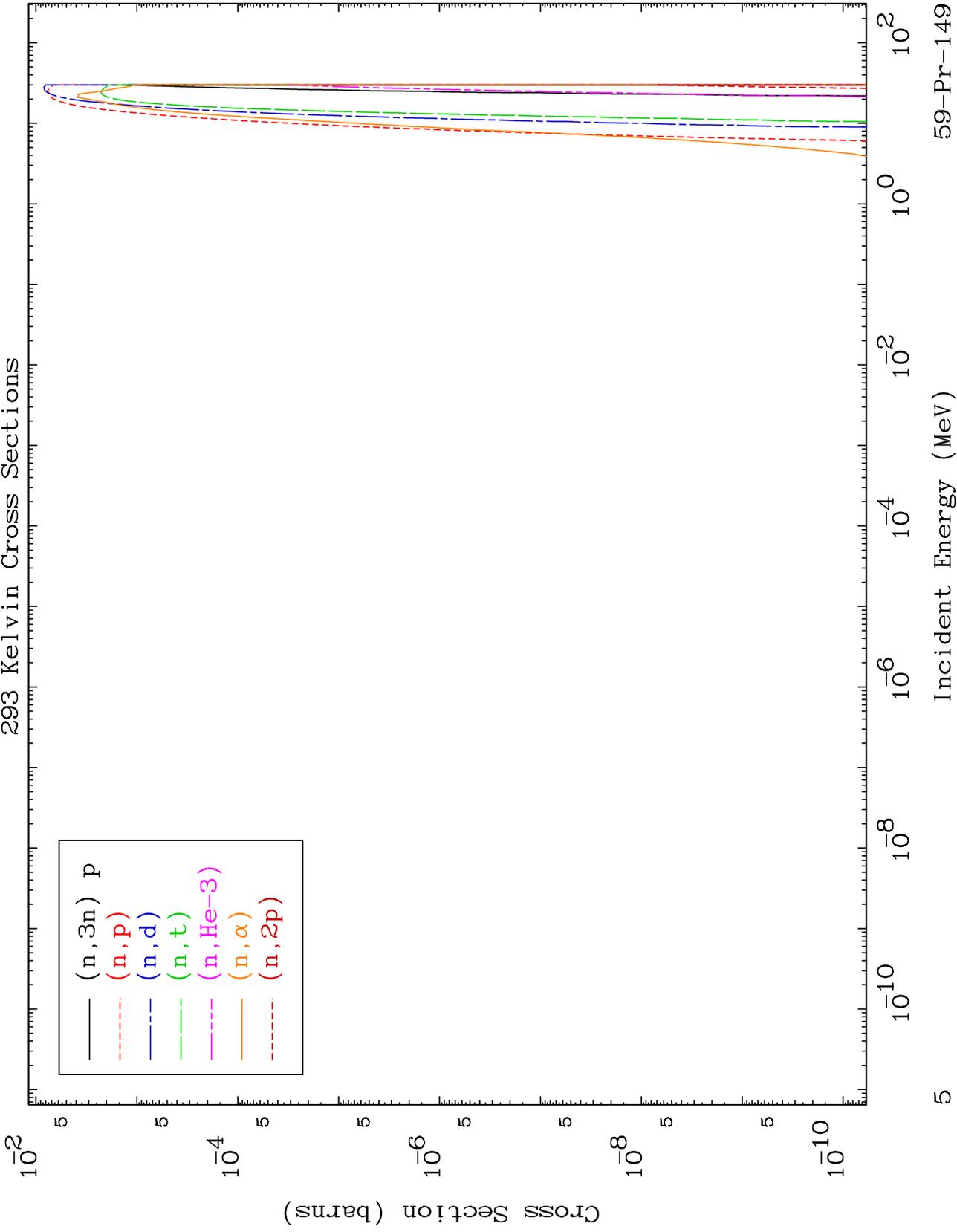
59-Pr-149



MAT 5949

Charged Particle
293 Kelvin Cross Sections

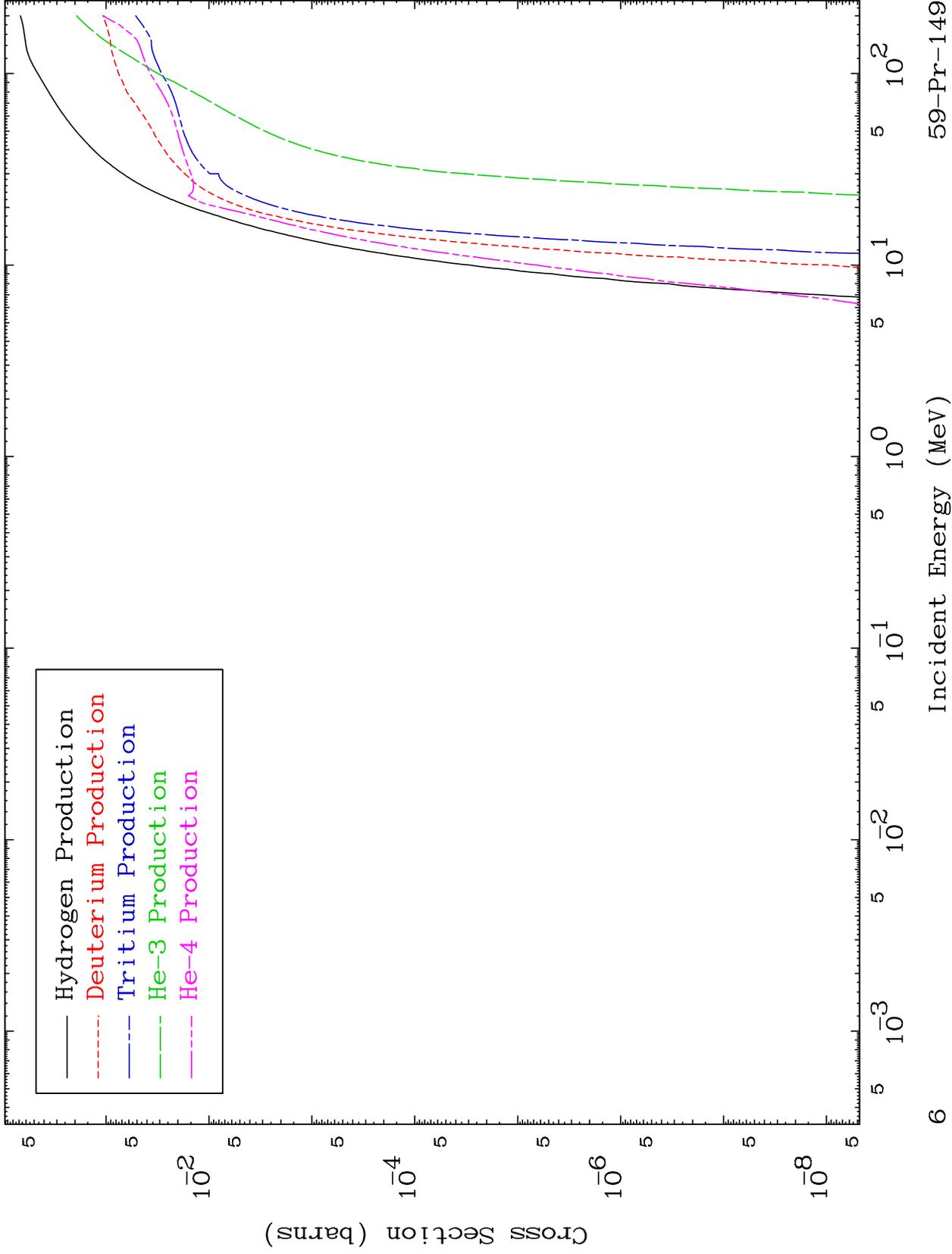
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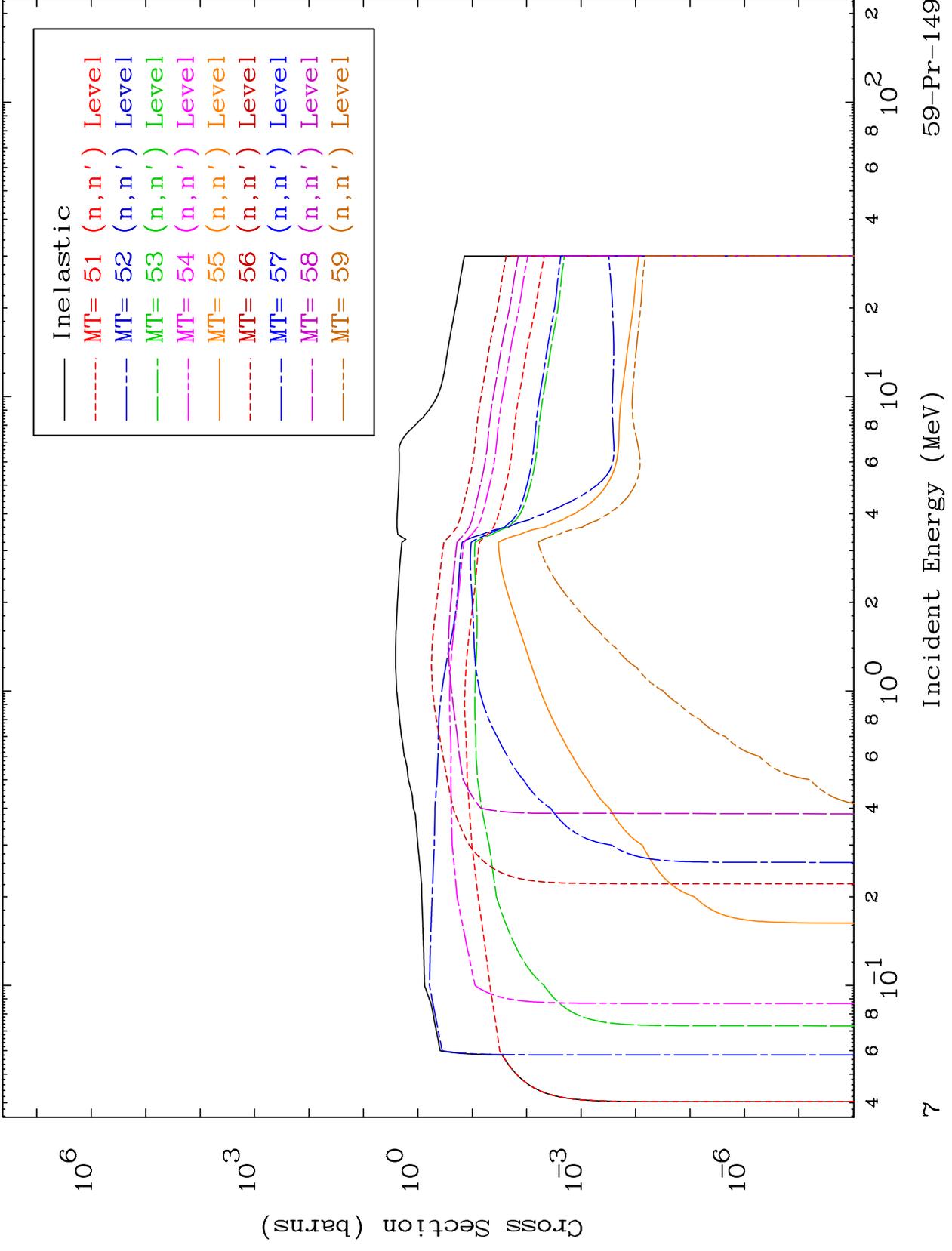
MAT 5949

Particle Production
293 Kelvin Cross Sections

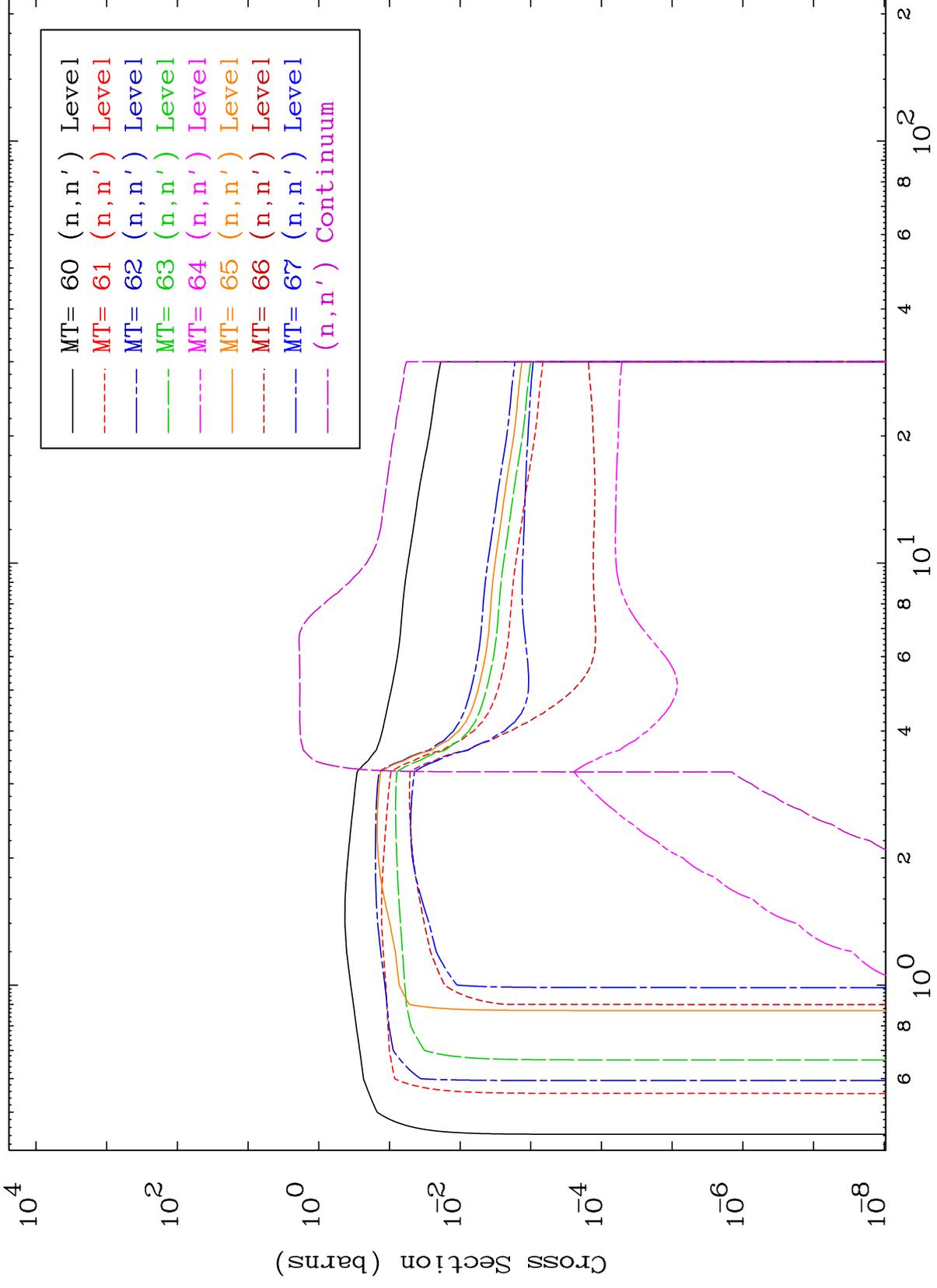
59-Pr-149



293 Kelvin Cross Sections



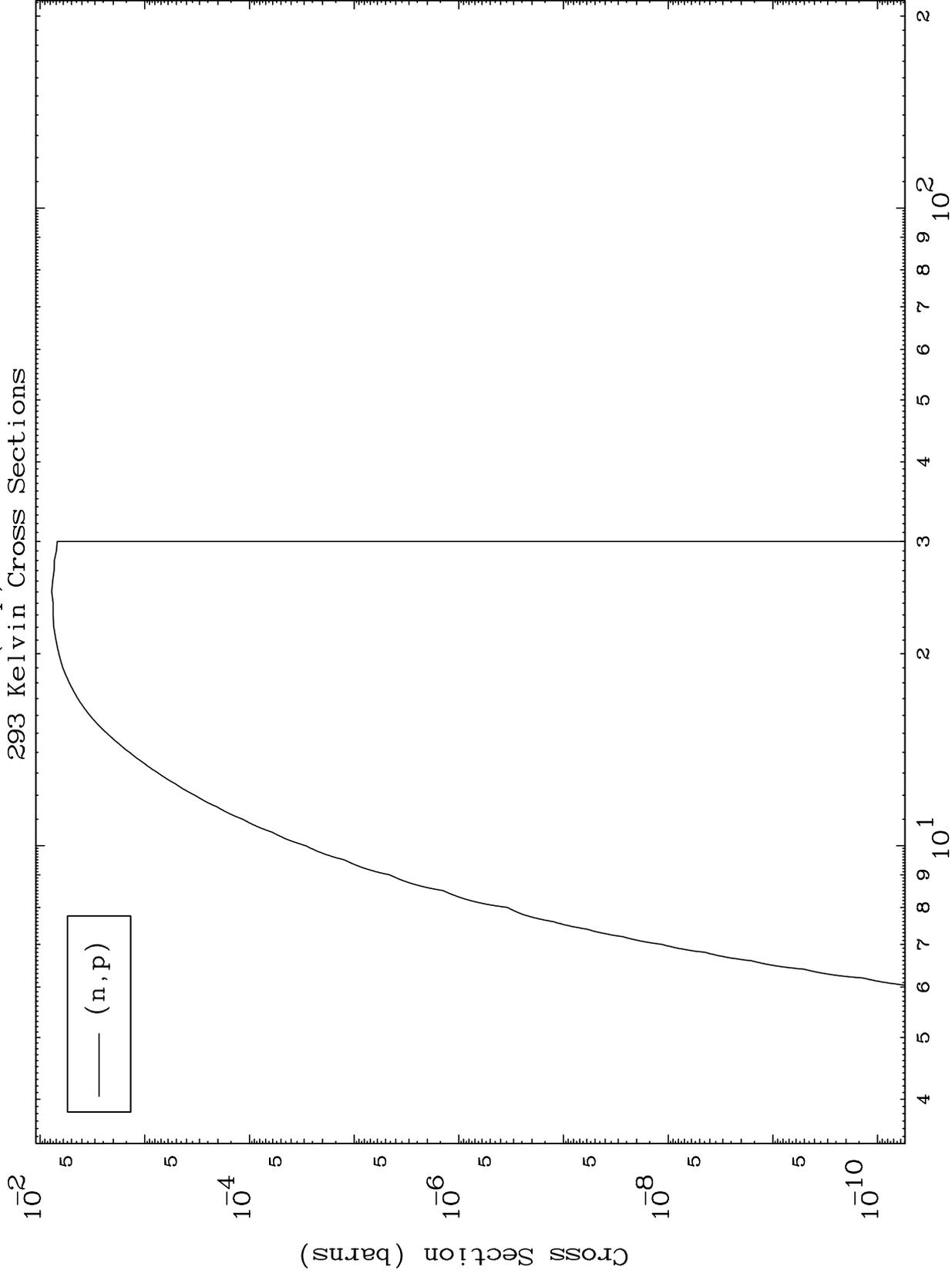
293 Kelvin Cross Sections



MAT 5949

(n,p) Levels
293 Kelvin Cross Sections

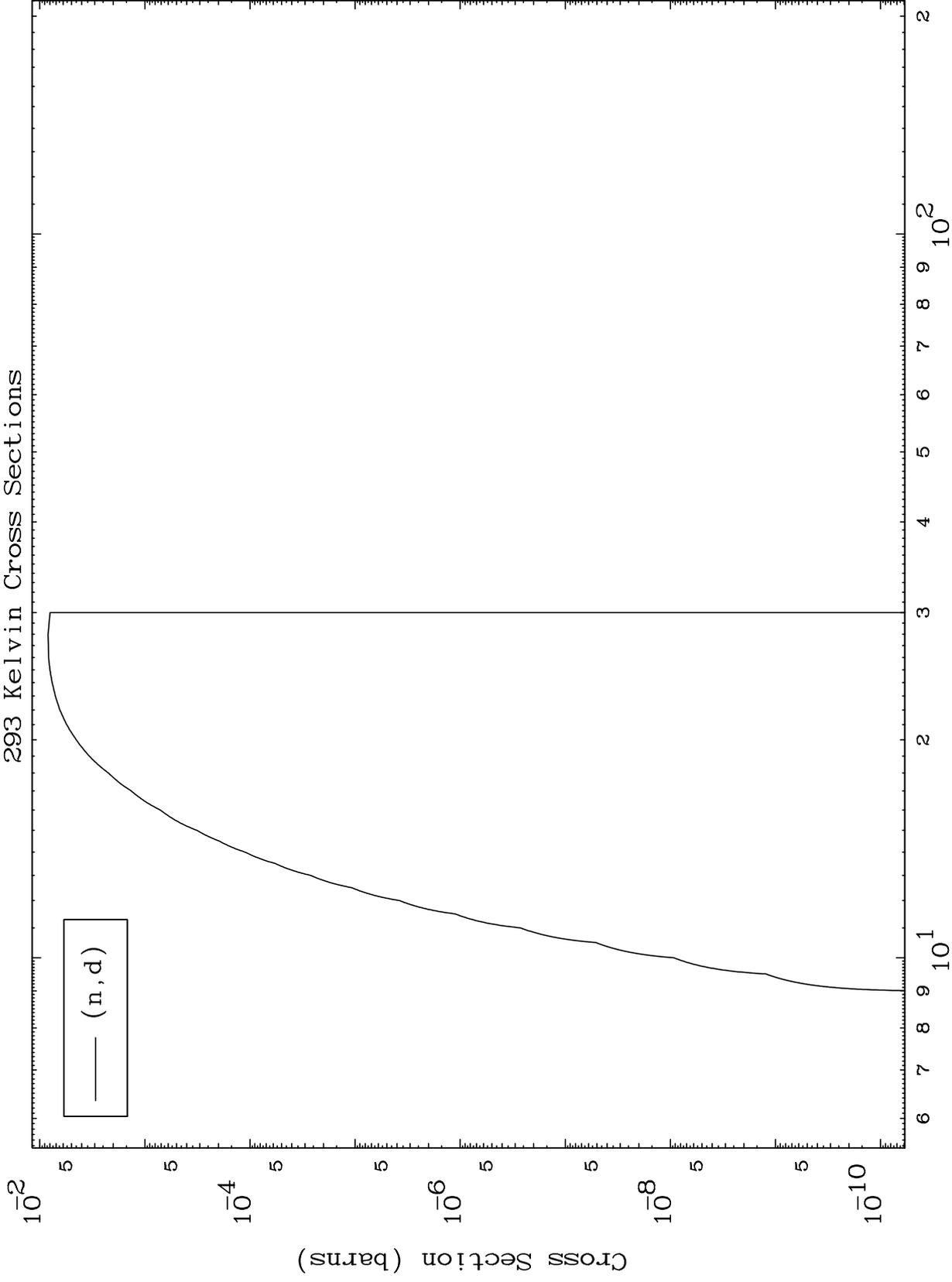
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MAT 5949

(n,d) Levels
293 Kelvin Cross Sections

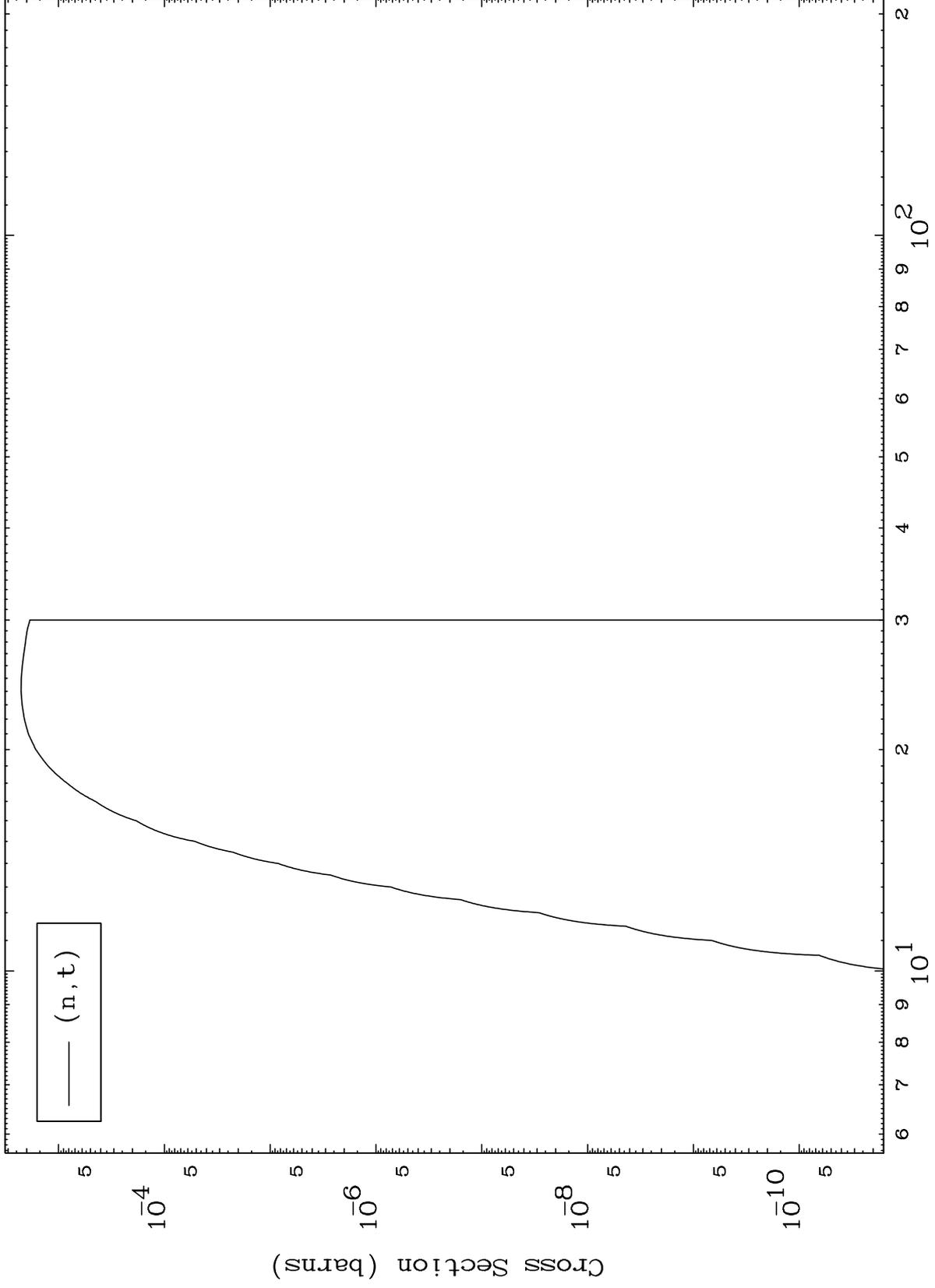
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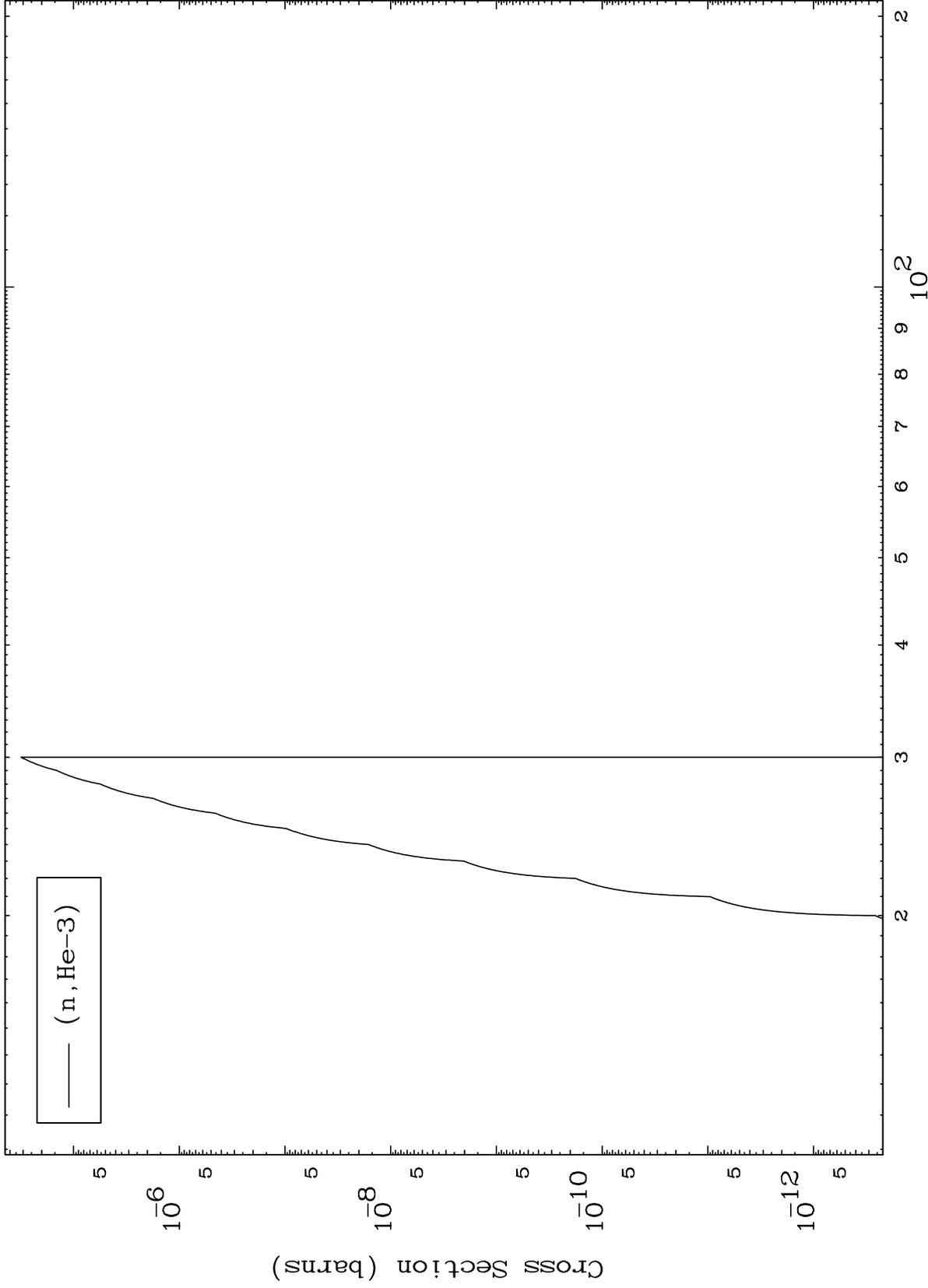


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Incident Energy (MeV)

59-Pr-149

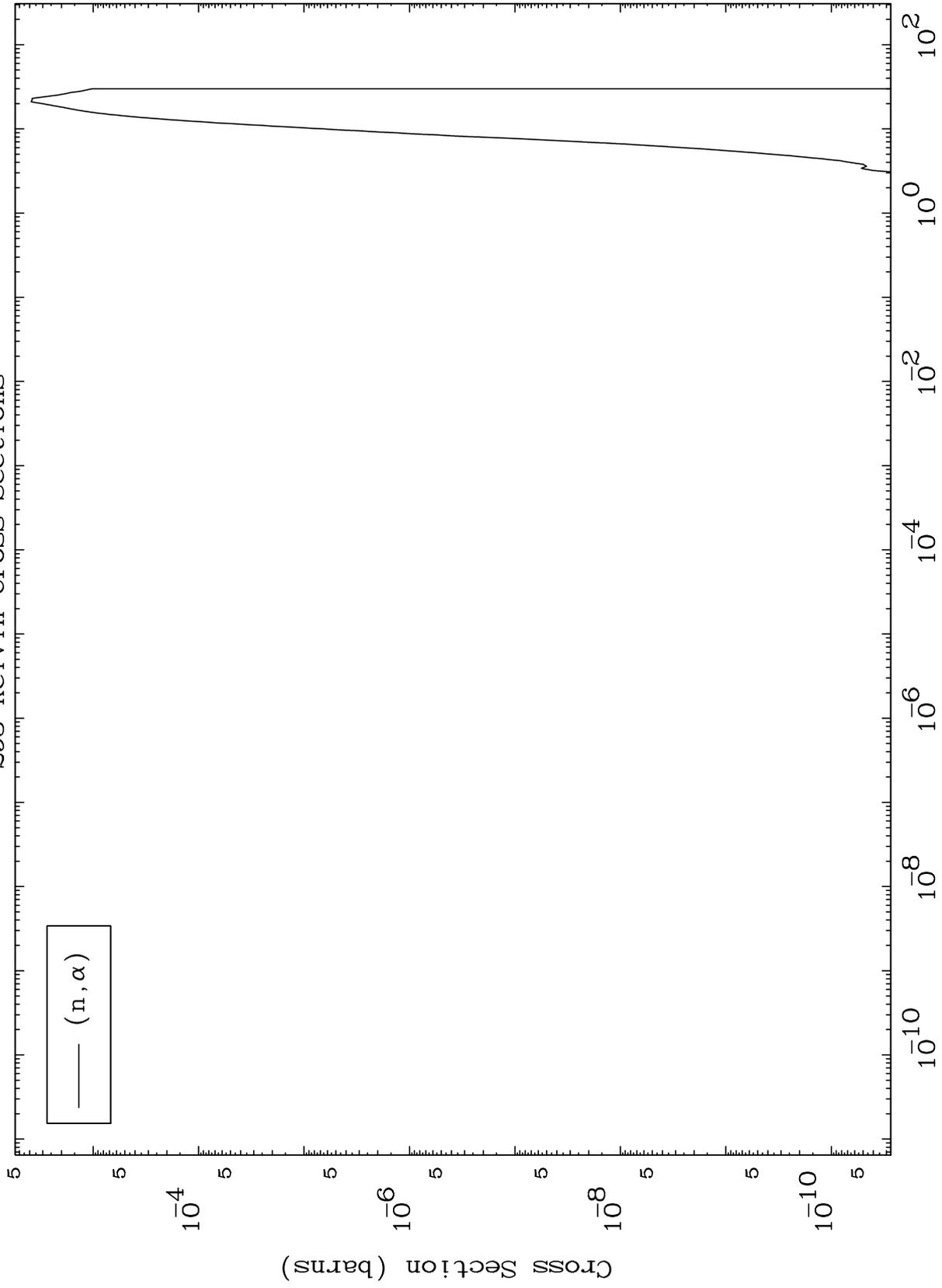




MAT 5949

(n, α) Levels
293 Kelvin Cross Sections

59-Pr-149

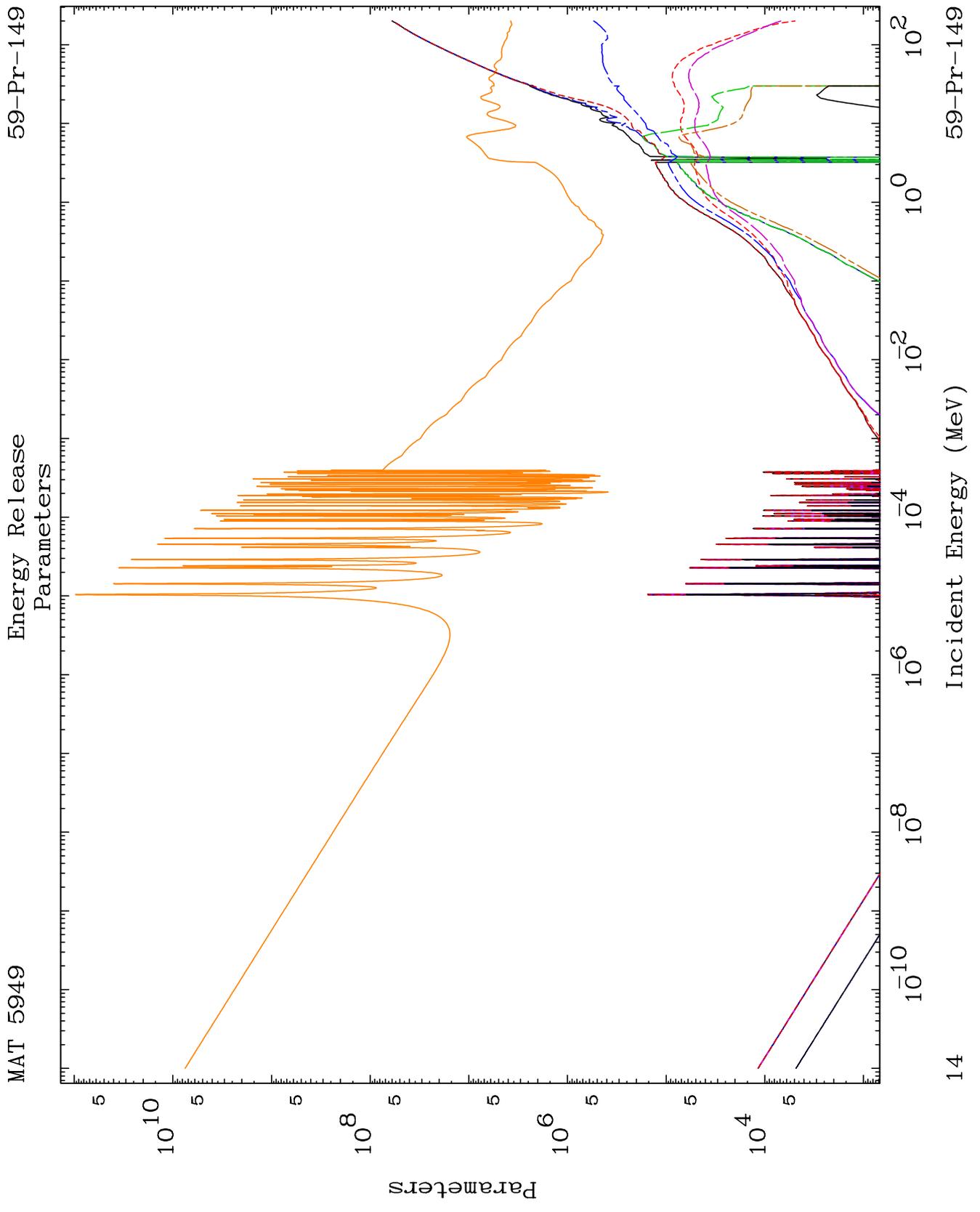


13

Incident Energy (MeV)

59-Pr-149

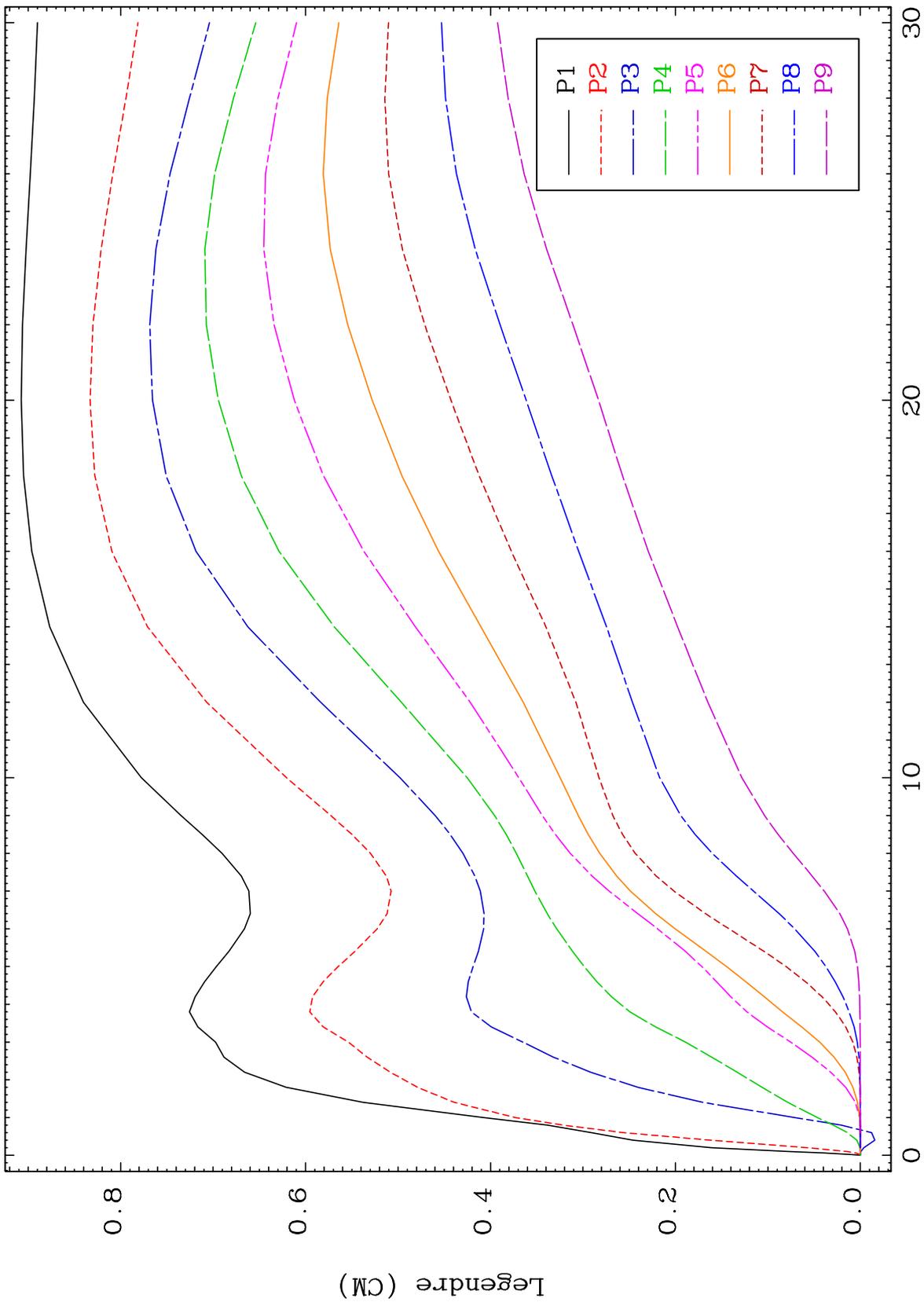
Dpa inelastic (mt51-91)
Dpa disappearance (mt102 -120)



MAT 5949

59-Pr-149

Elastic Legendre Coefficients



59-Pr-149

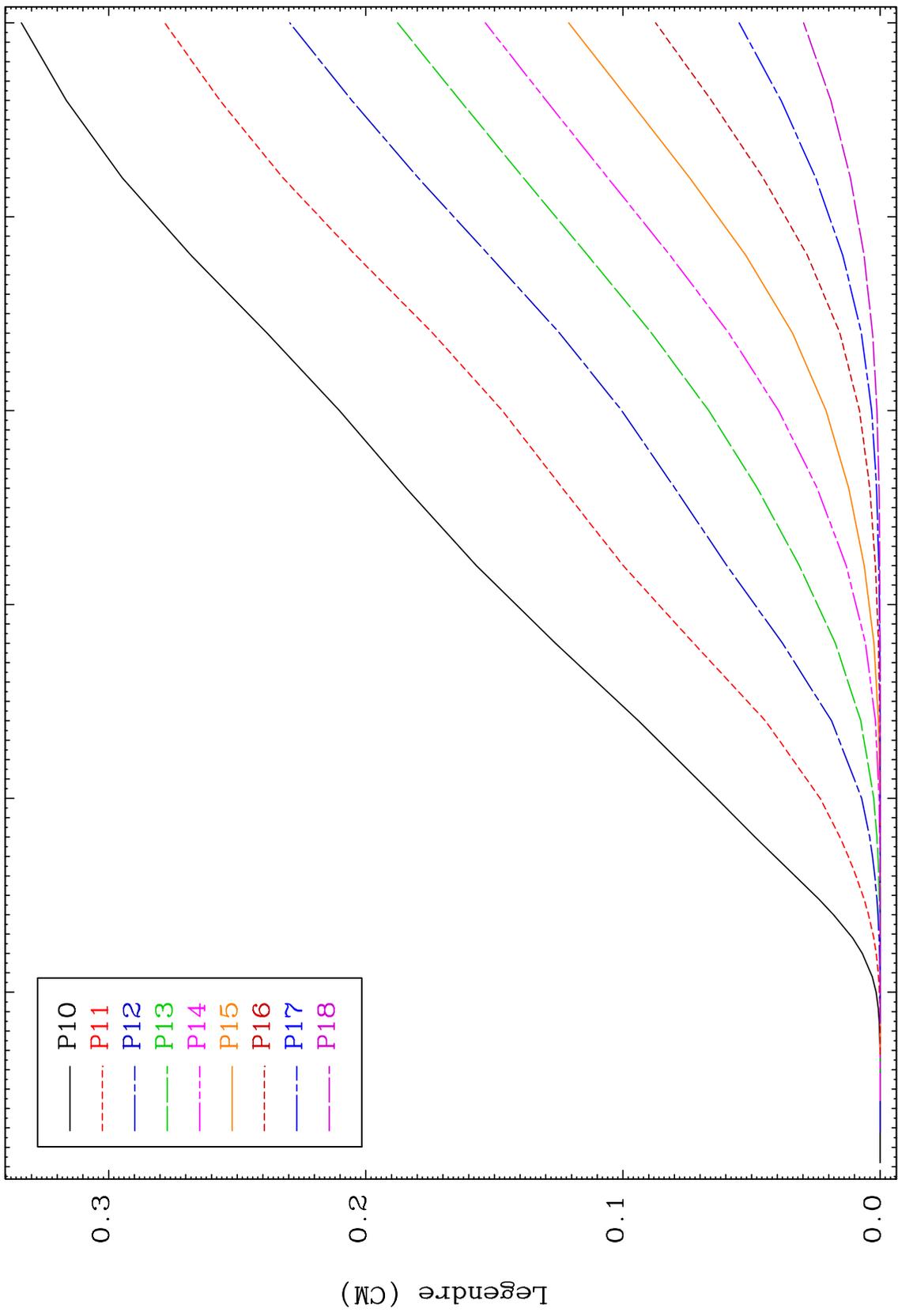
Incident Energy (MeV)

15

MAT 5949

Elastic Legendre Coefficients

59-Pr-149



16

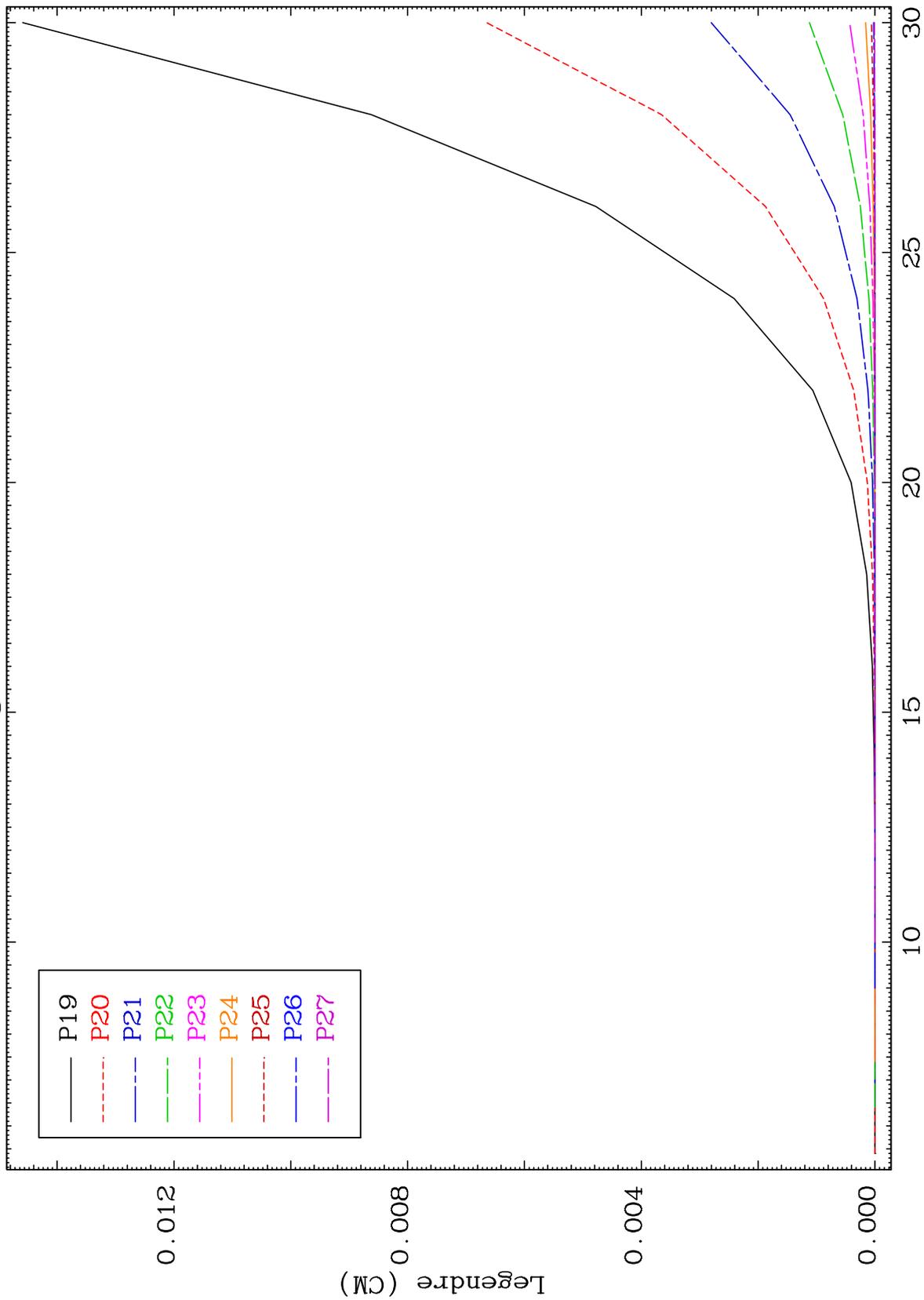
Incident Energy (MeV)

59-Pr-149

MAT 5949

Elastic Legendre Coefficients

59-Pr-149



17

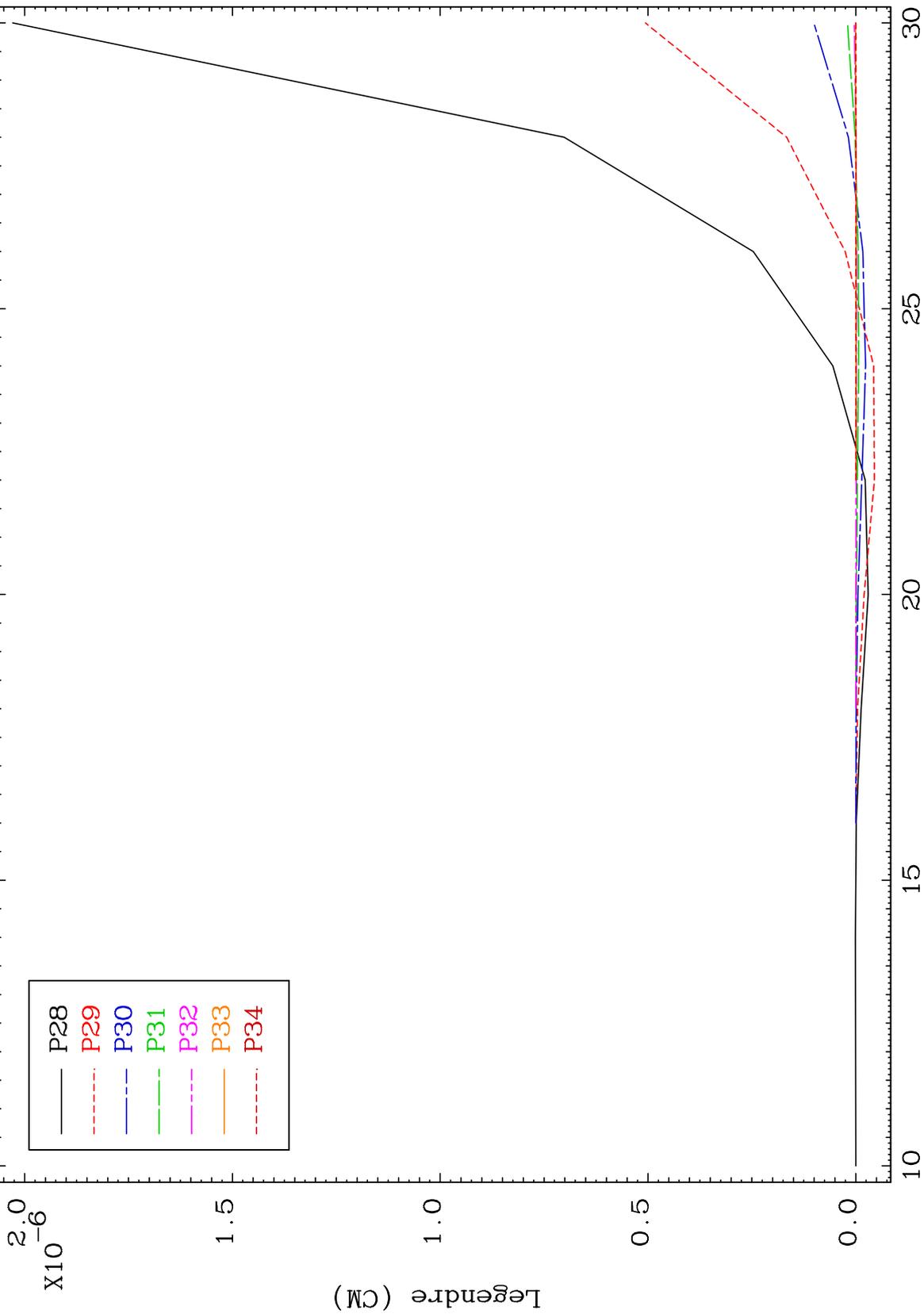
Incident Energy (MeV)

59-Pr-149

MAT 5949

Elastic Legendre Coefficients

59-Pr-149



18

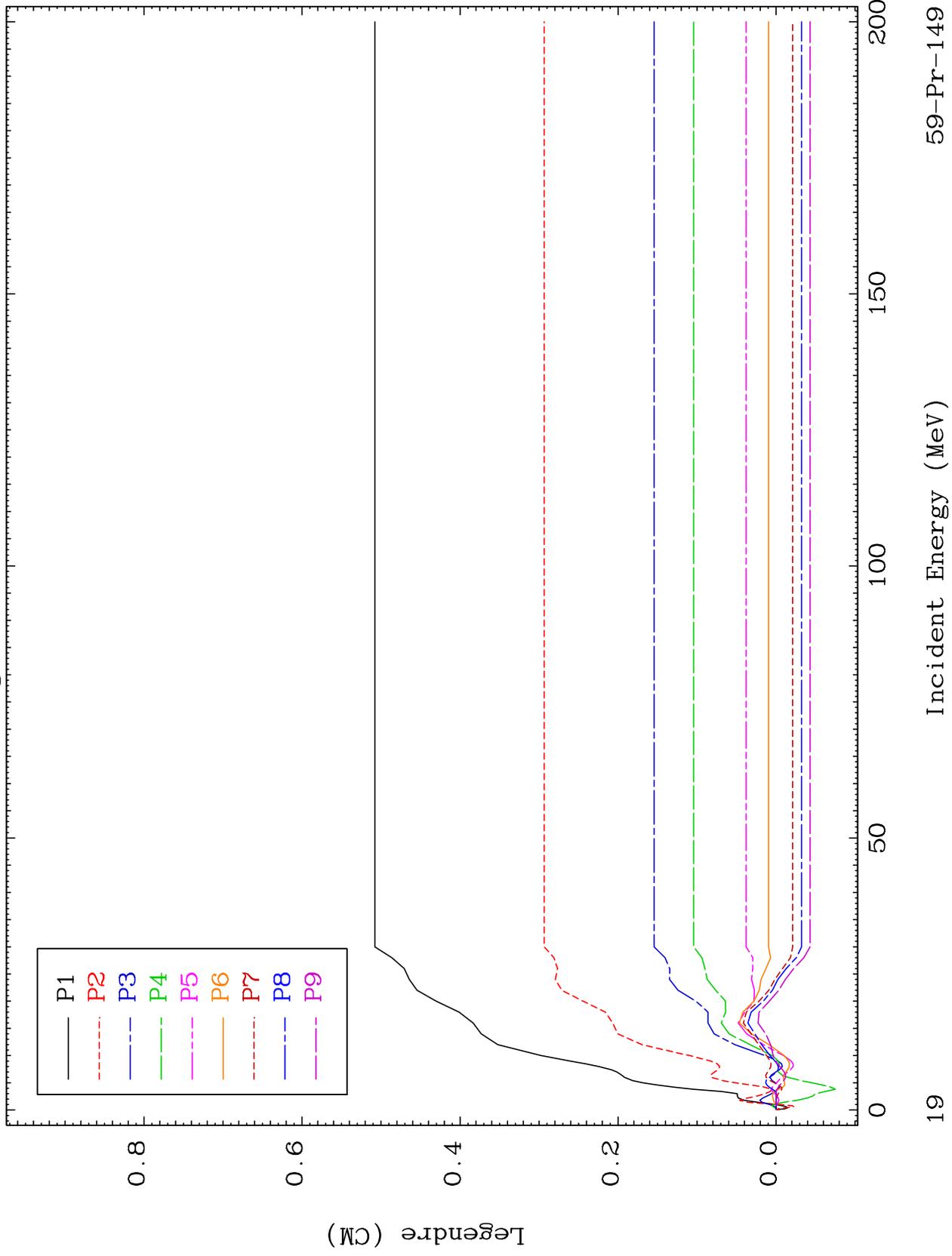
Incident Energy (MeV)

59-Pr-149

MAT 5949

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

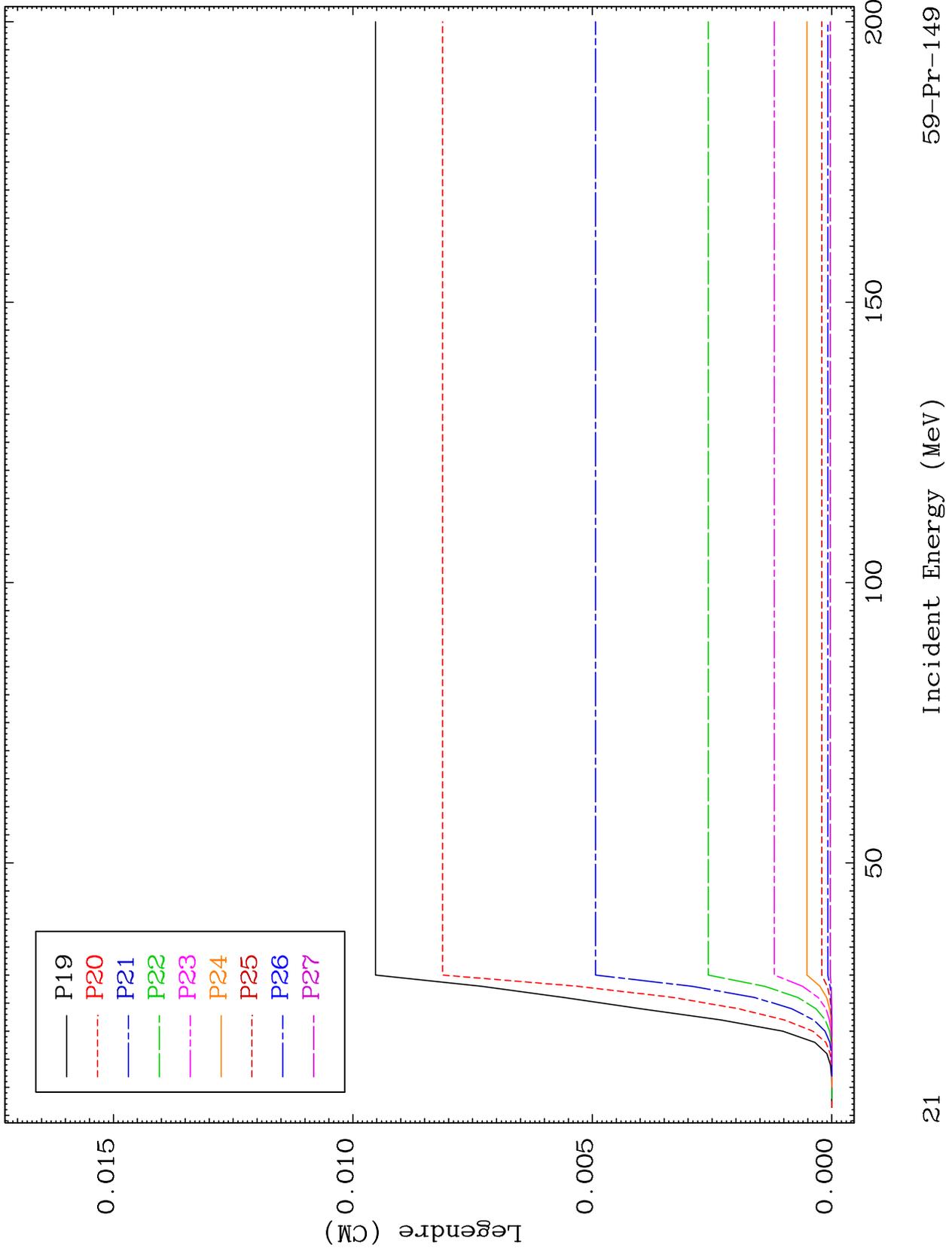
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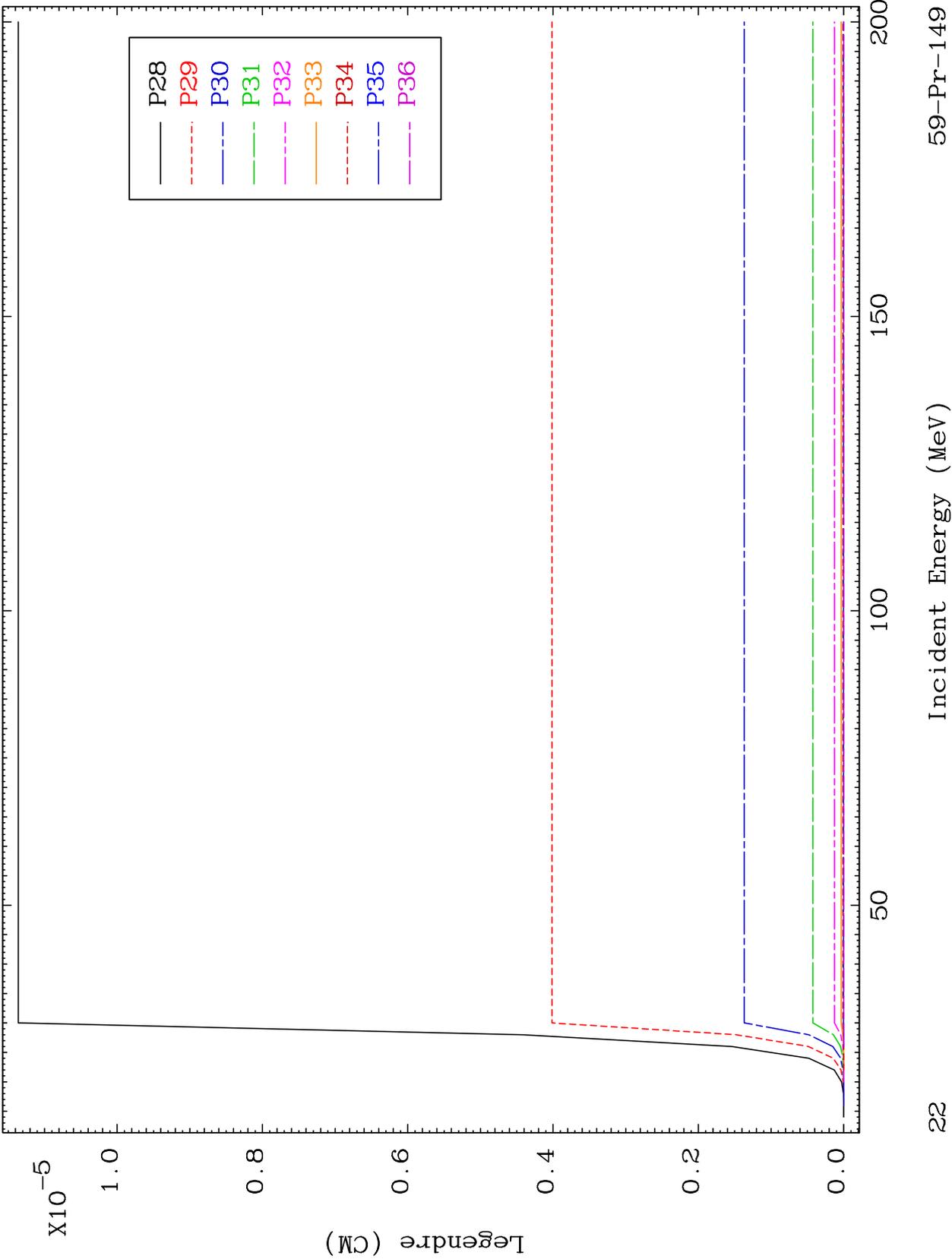


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Incident Energy (MeV)

59-Pr-149

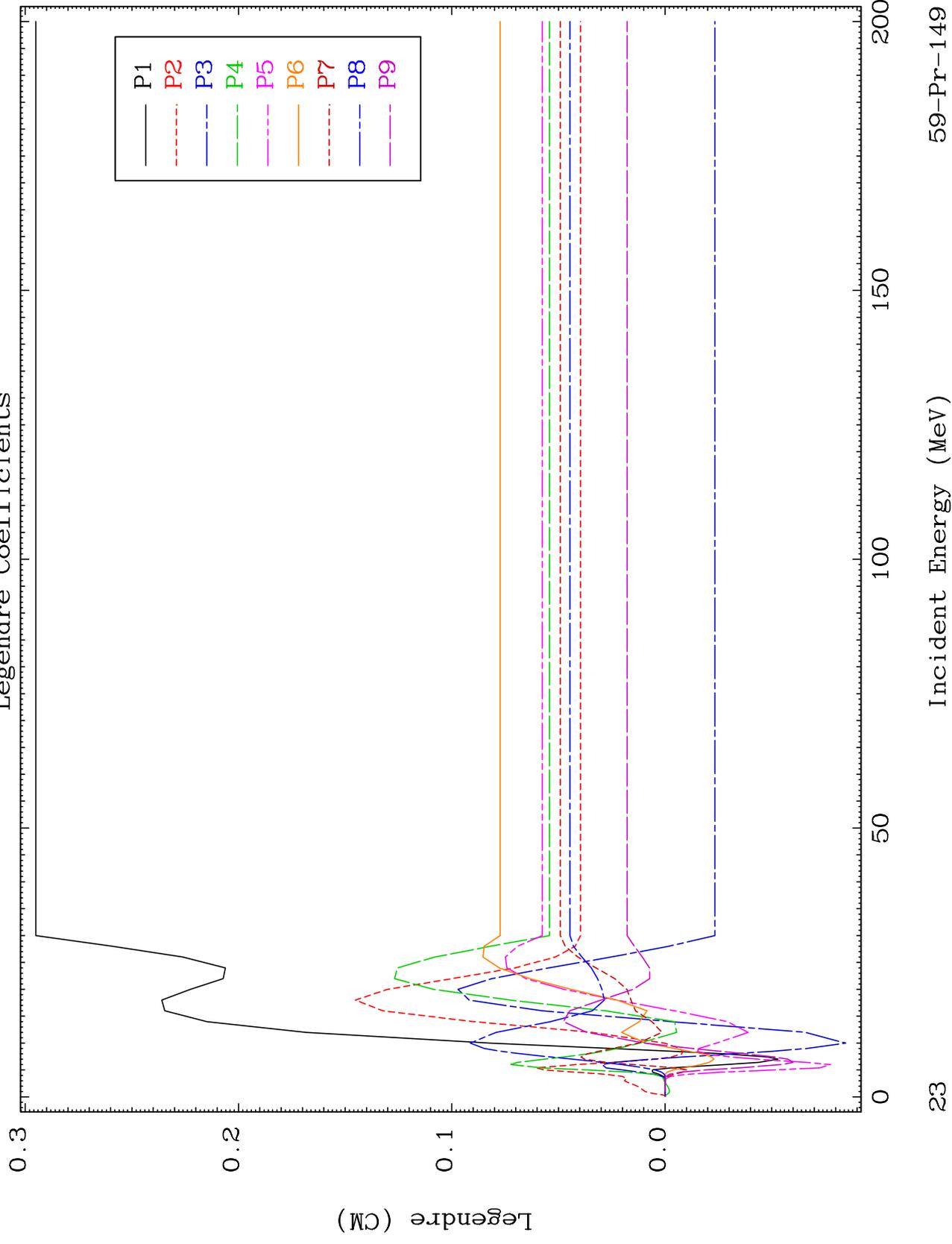




MAT 5949

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

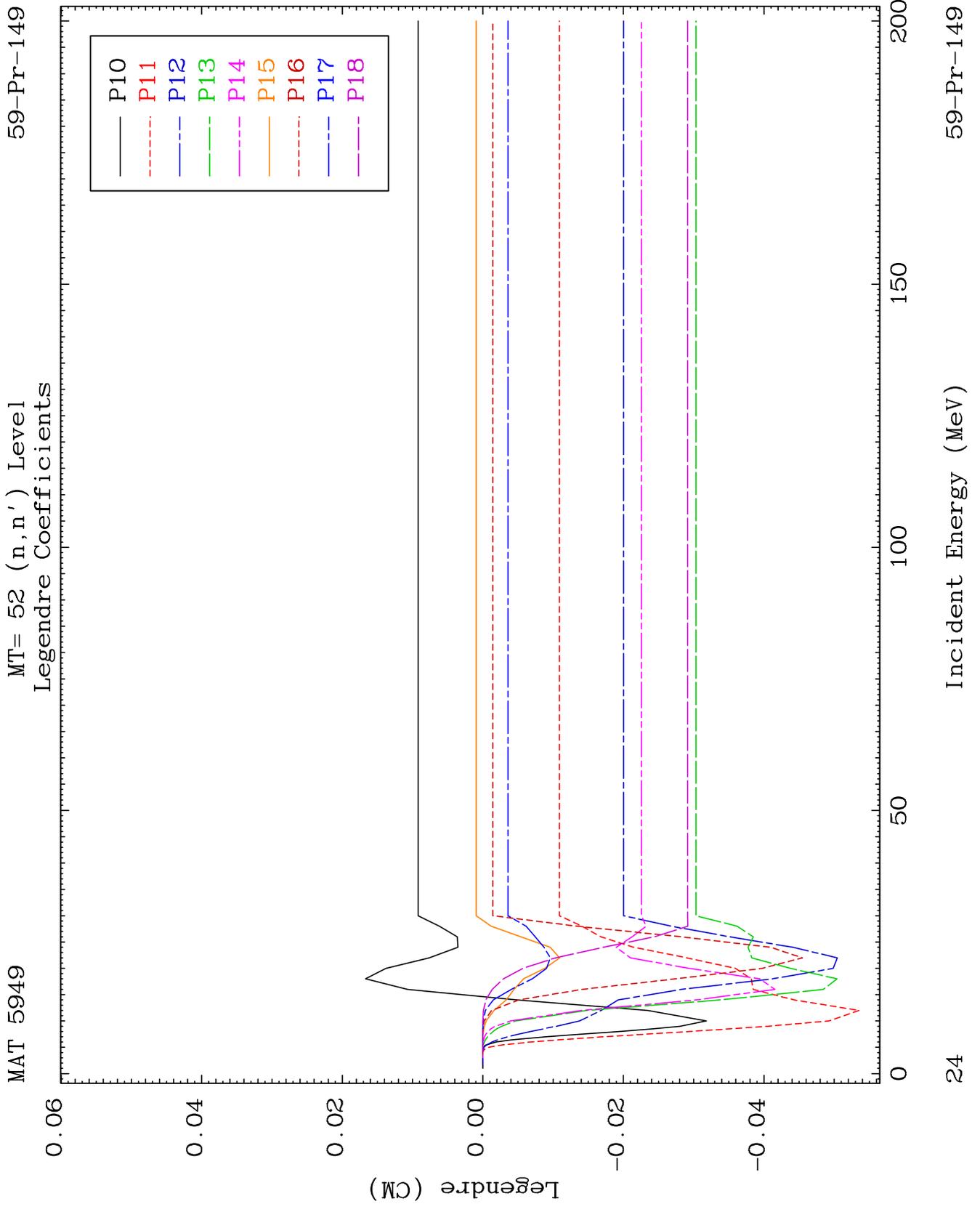
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23

Incident Energy (MeV)

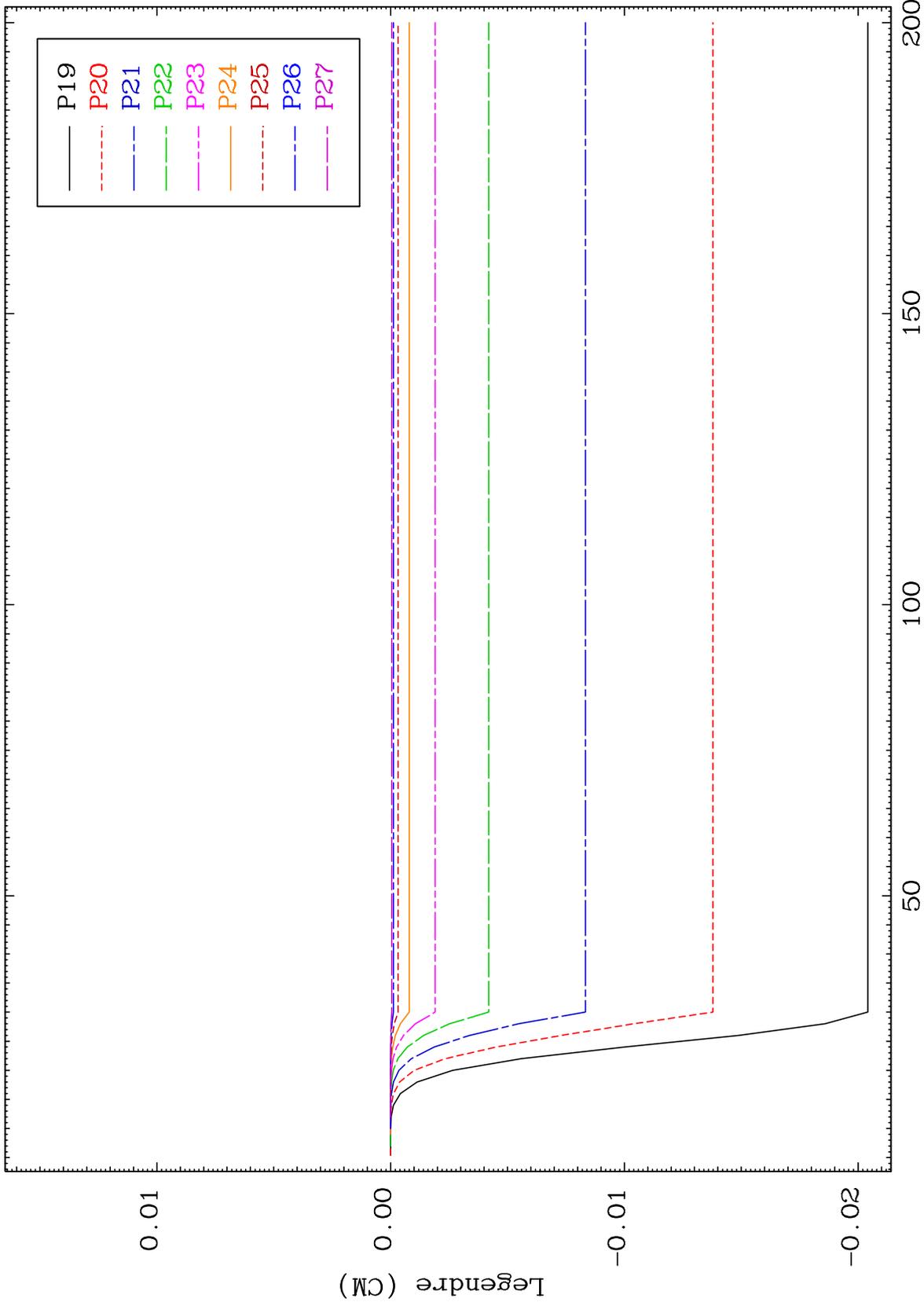
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MAT 5949

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

59-Pr-149



25

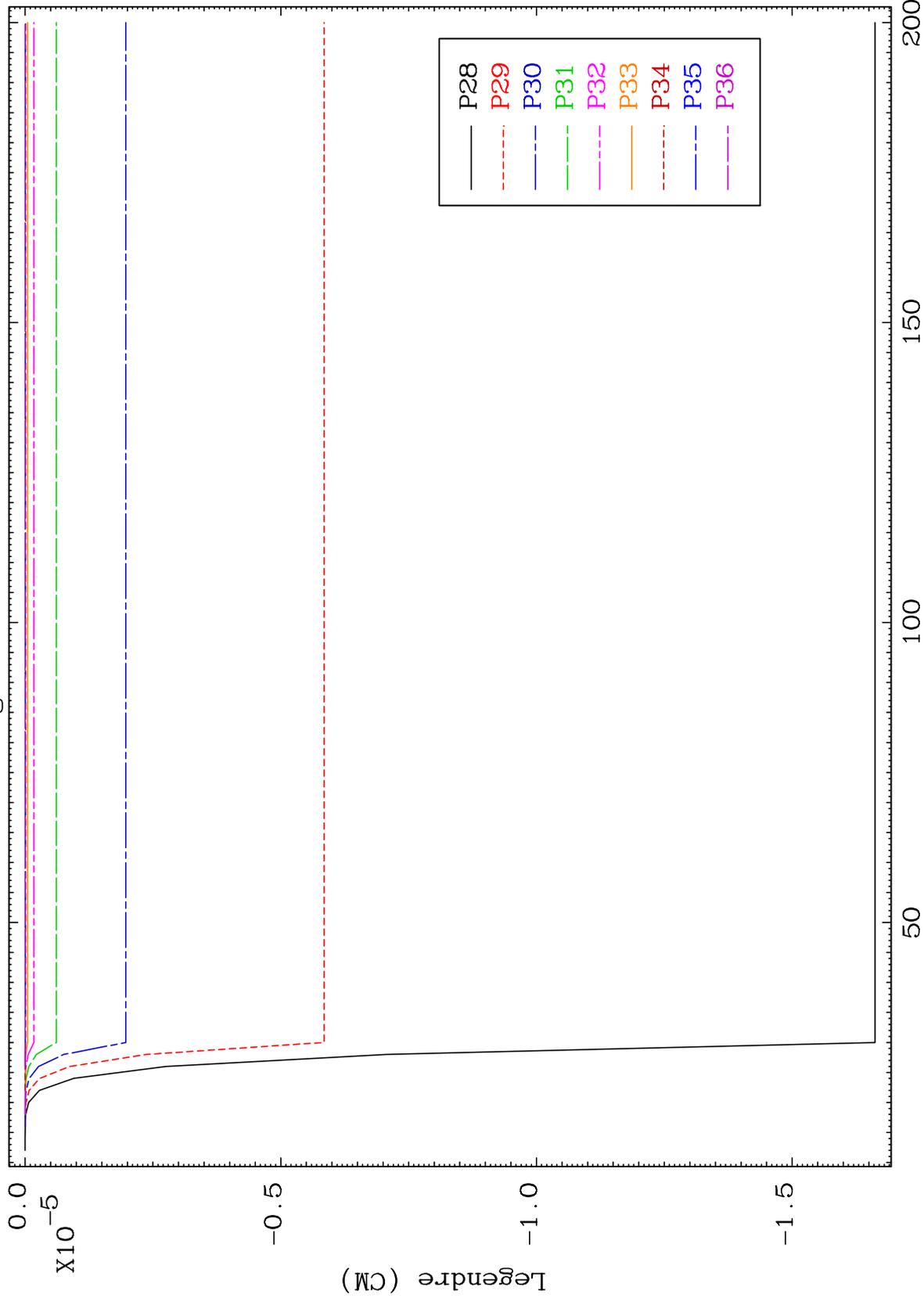
Incident Energy (MeV)

59-Pr-149

MAT 5949

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

59-Pr-149



26

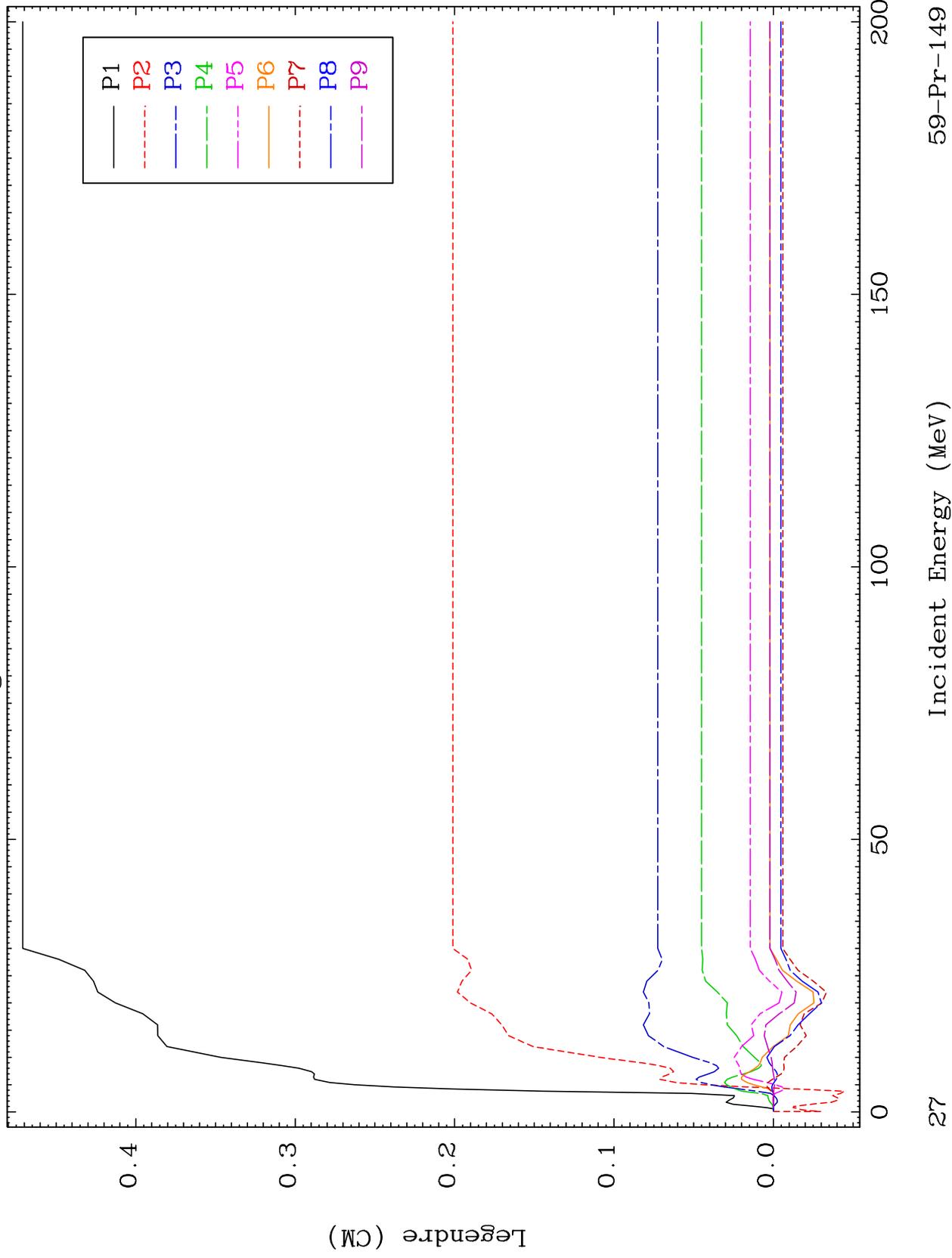
Incident Energy (MeV)

59-Pr-149

MAT 5949

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

59-Pr-149



59-Pr-149

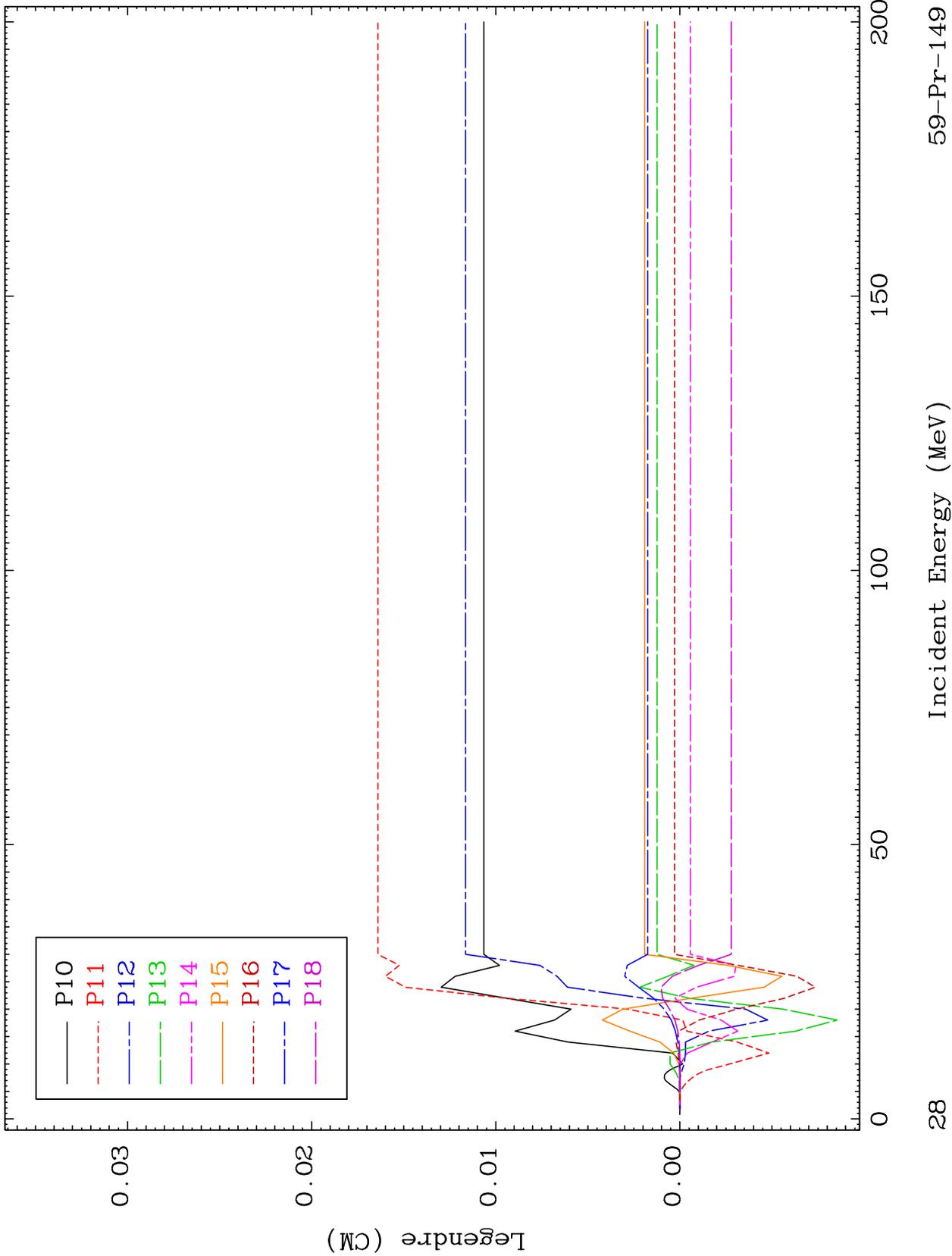
Incident Energy (MeV)

27

MAT 5949

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

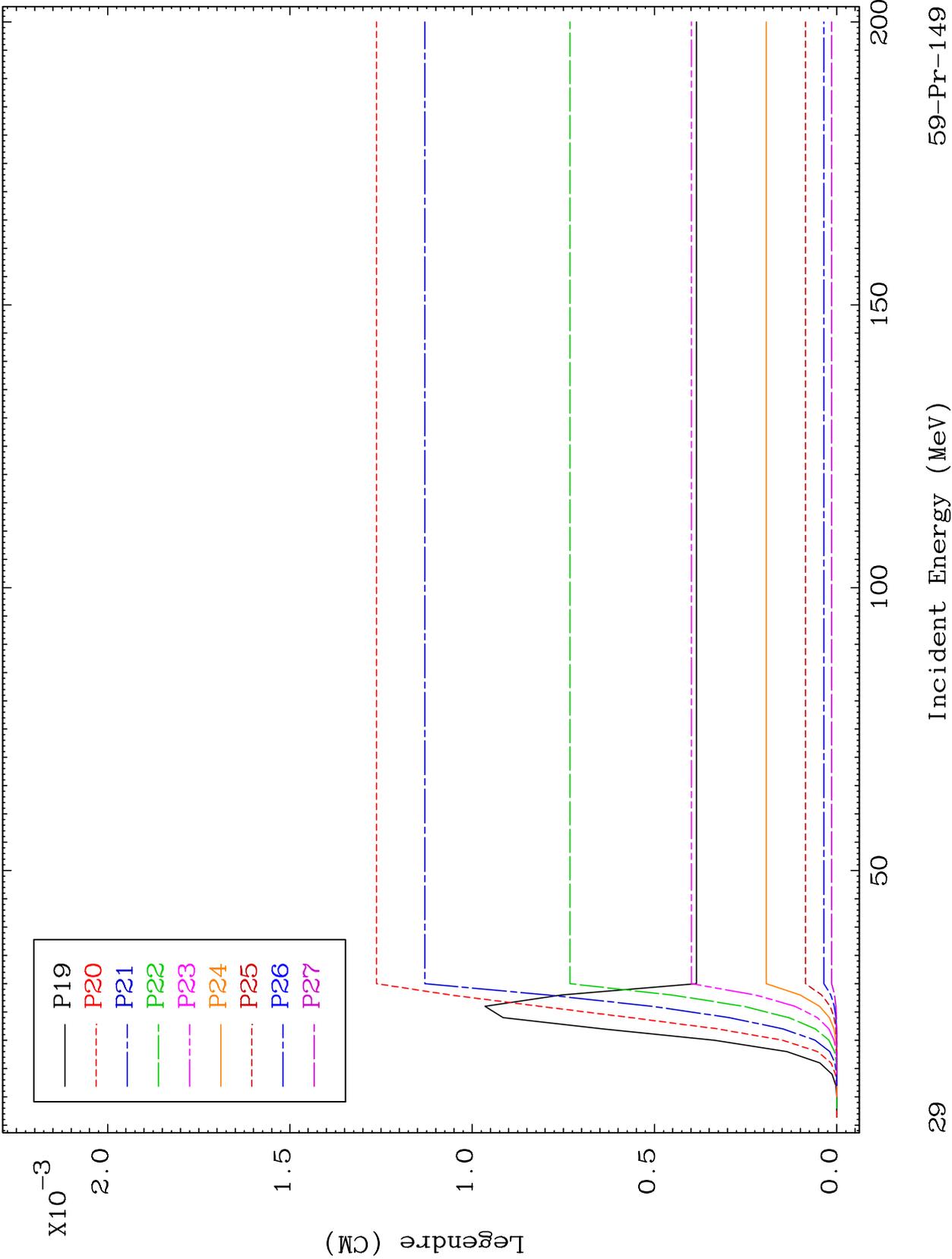
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28

Incident Energy (MeV)

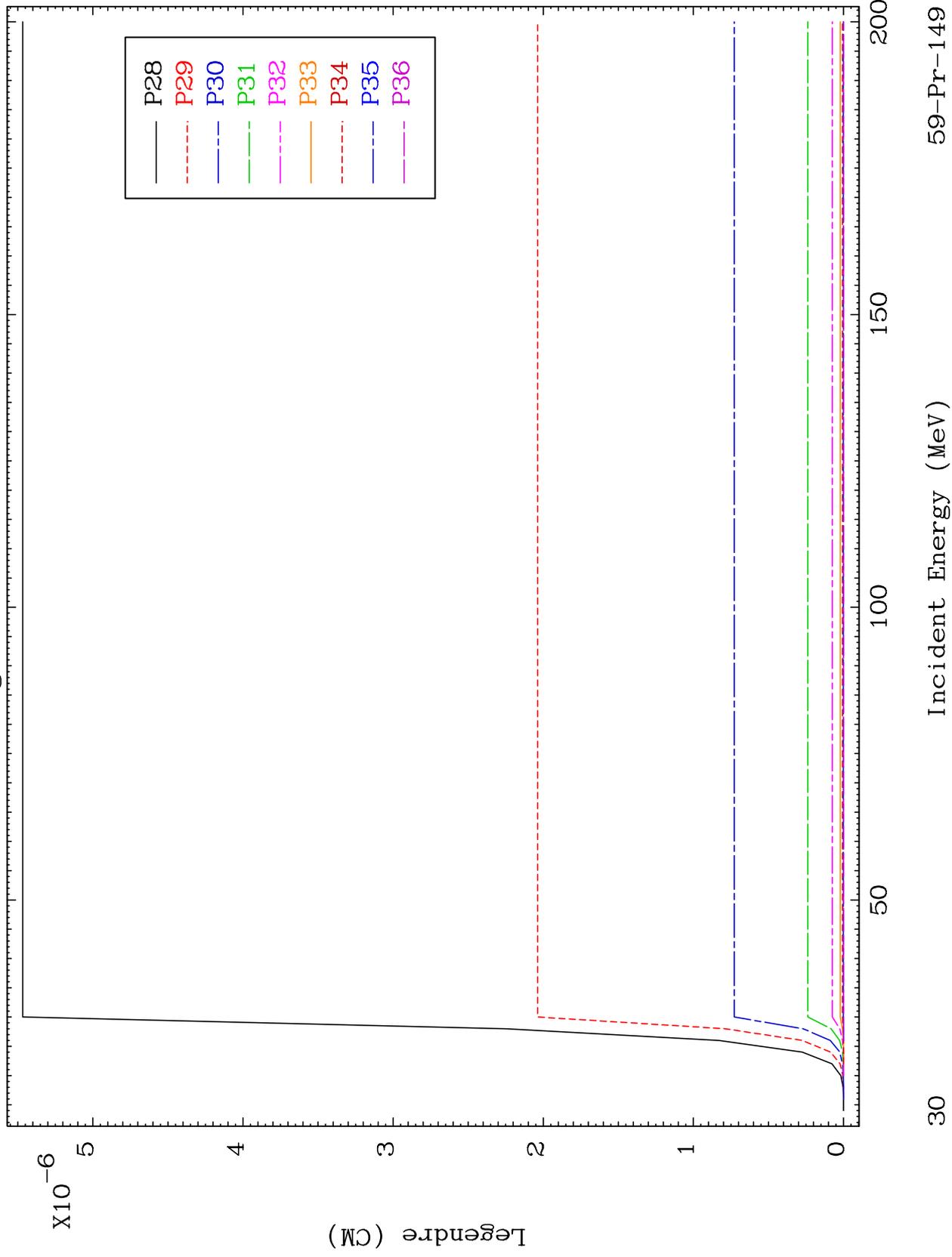
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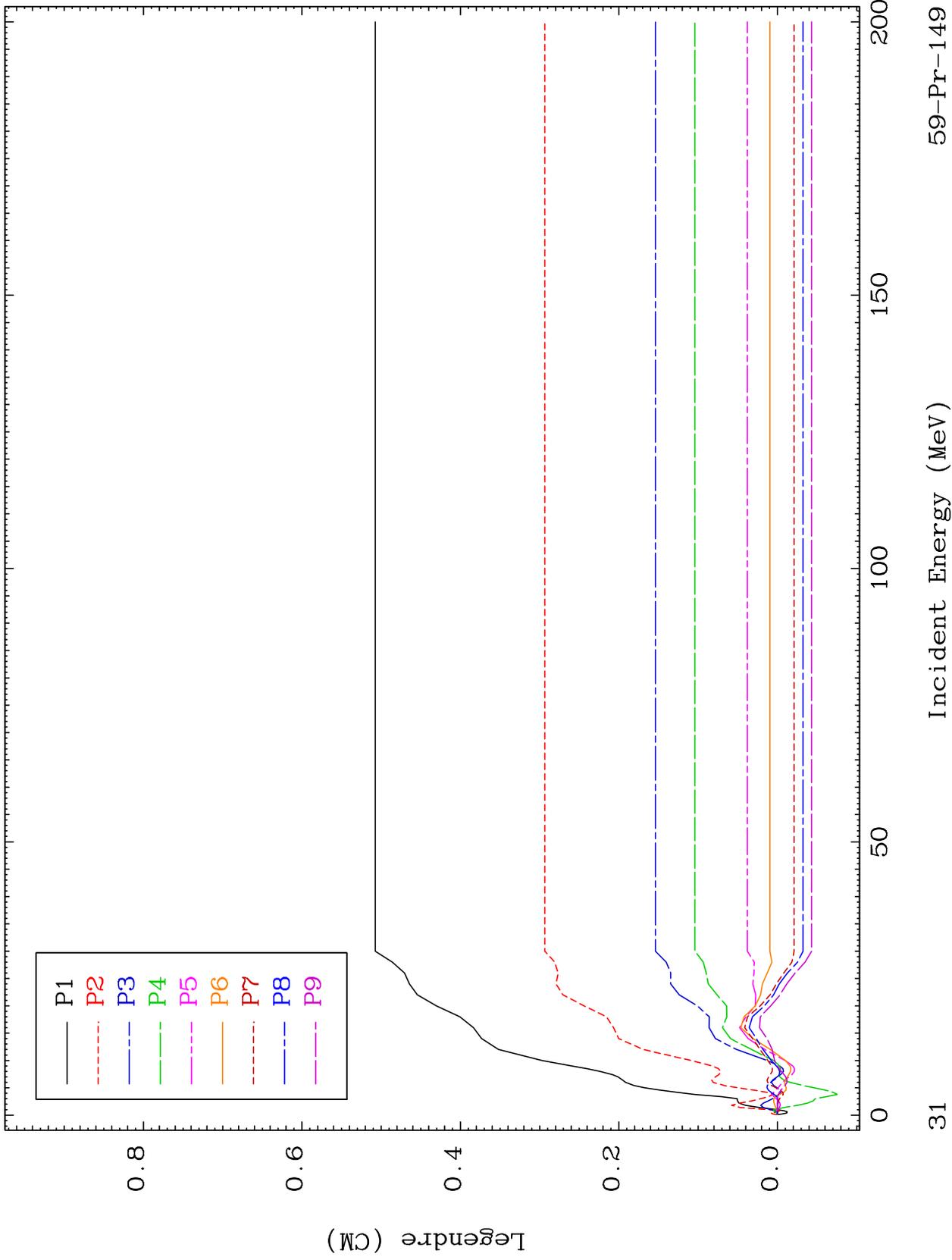
MAT 5949

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

59-Pr-149



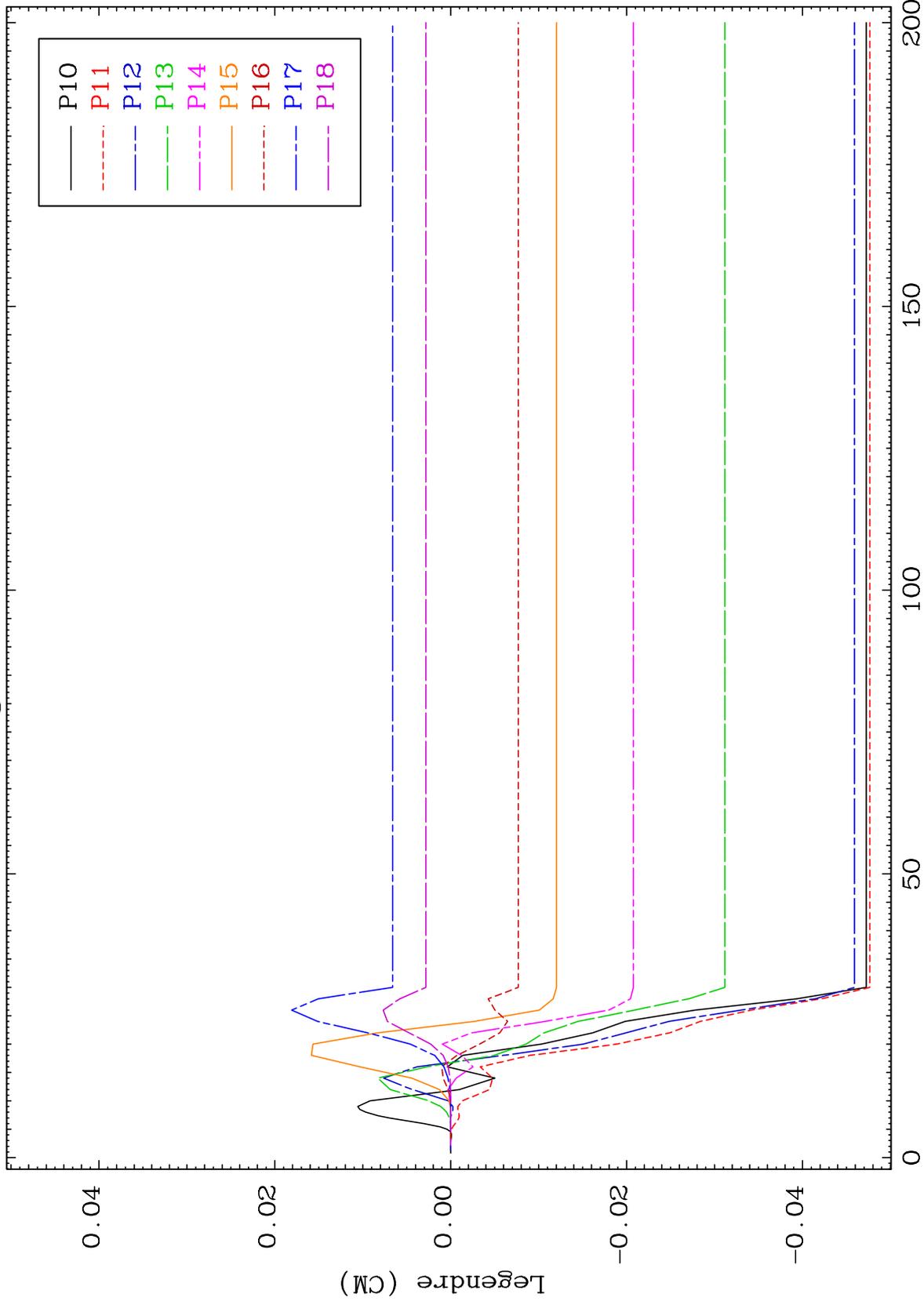
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MAT 5949

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

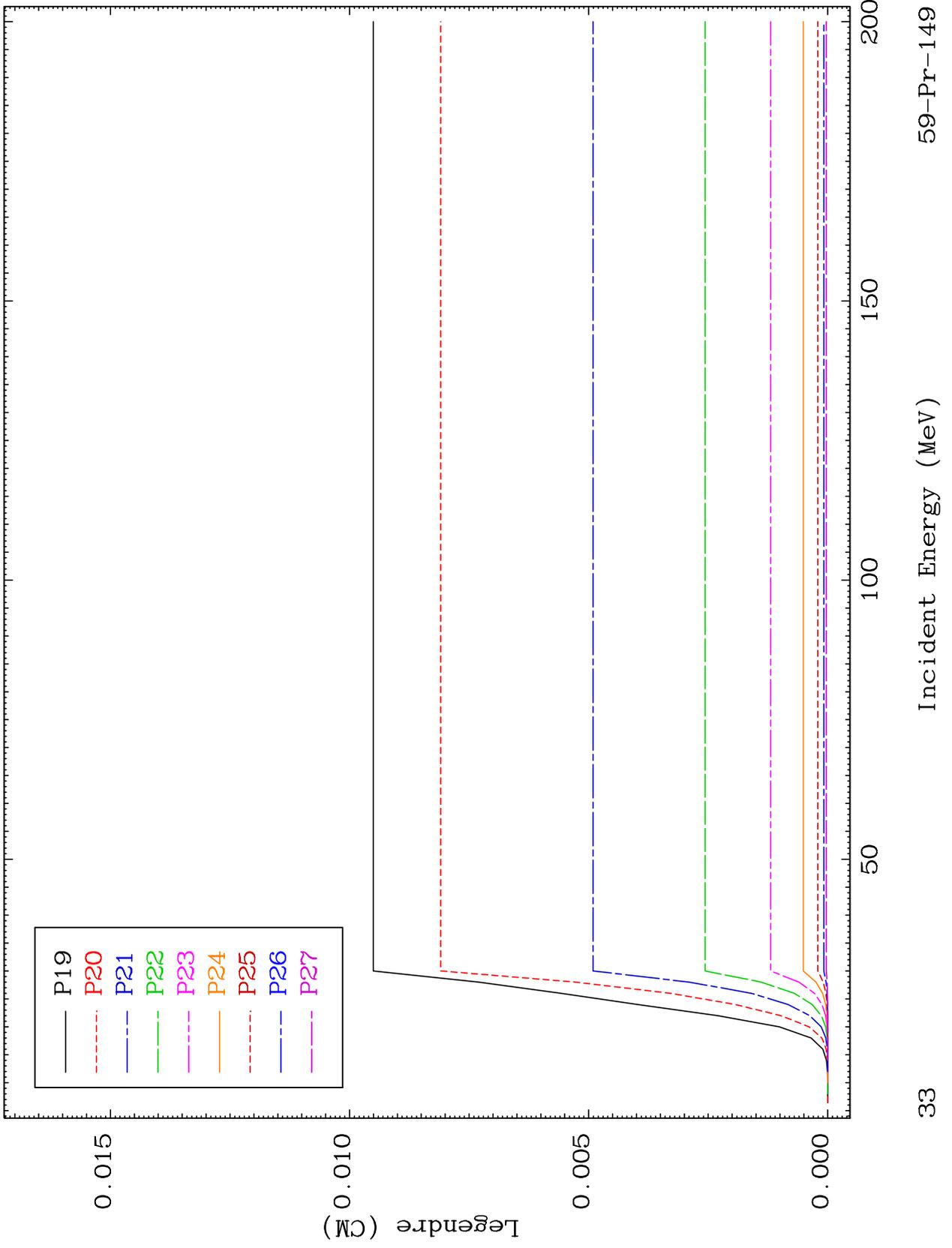
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32

Incident Energy (MeV)

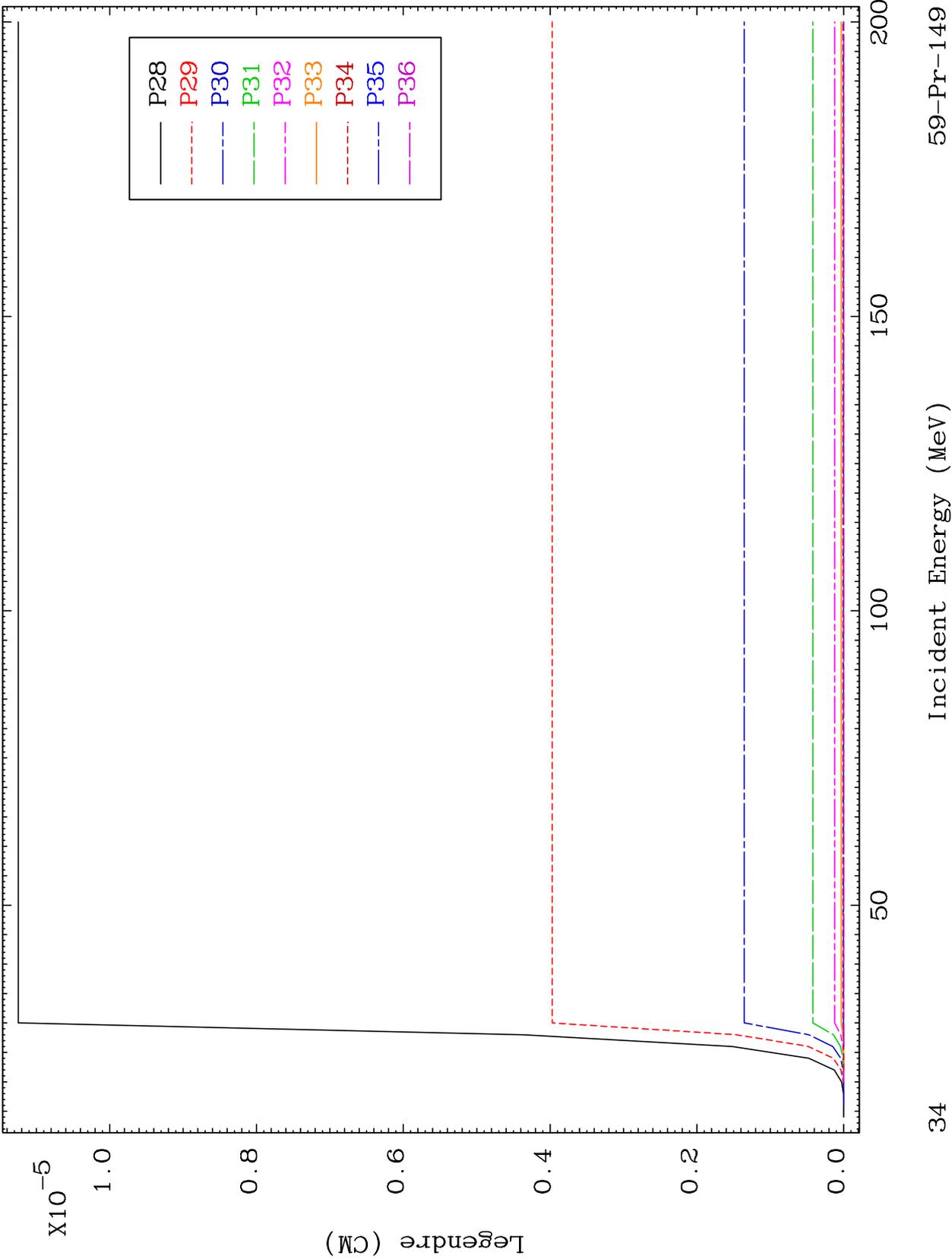
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MAT 5949

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

59-Pr-149



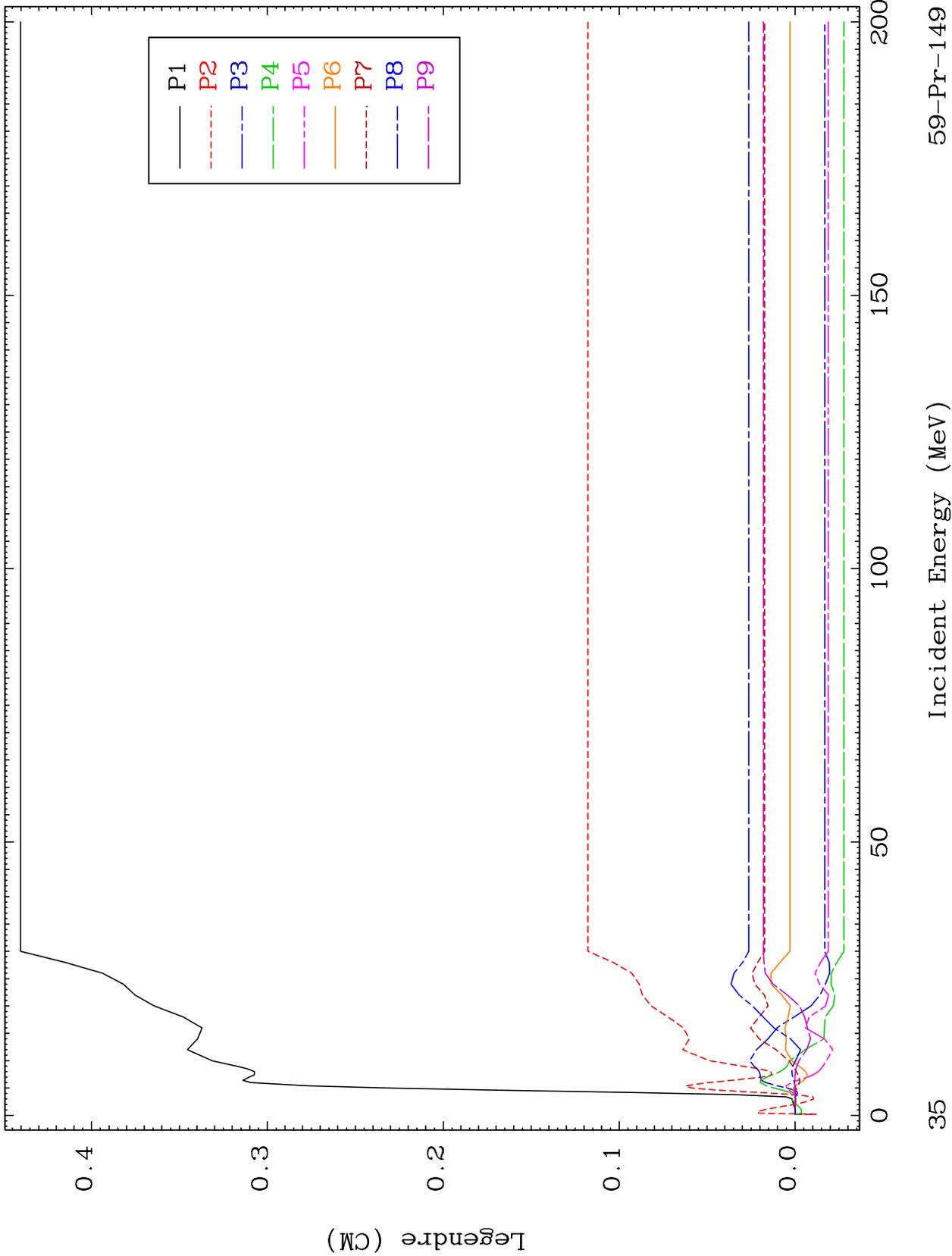
34

59-Pr-149

MAT 5949

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

59-Pr-149



59-Pr-149

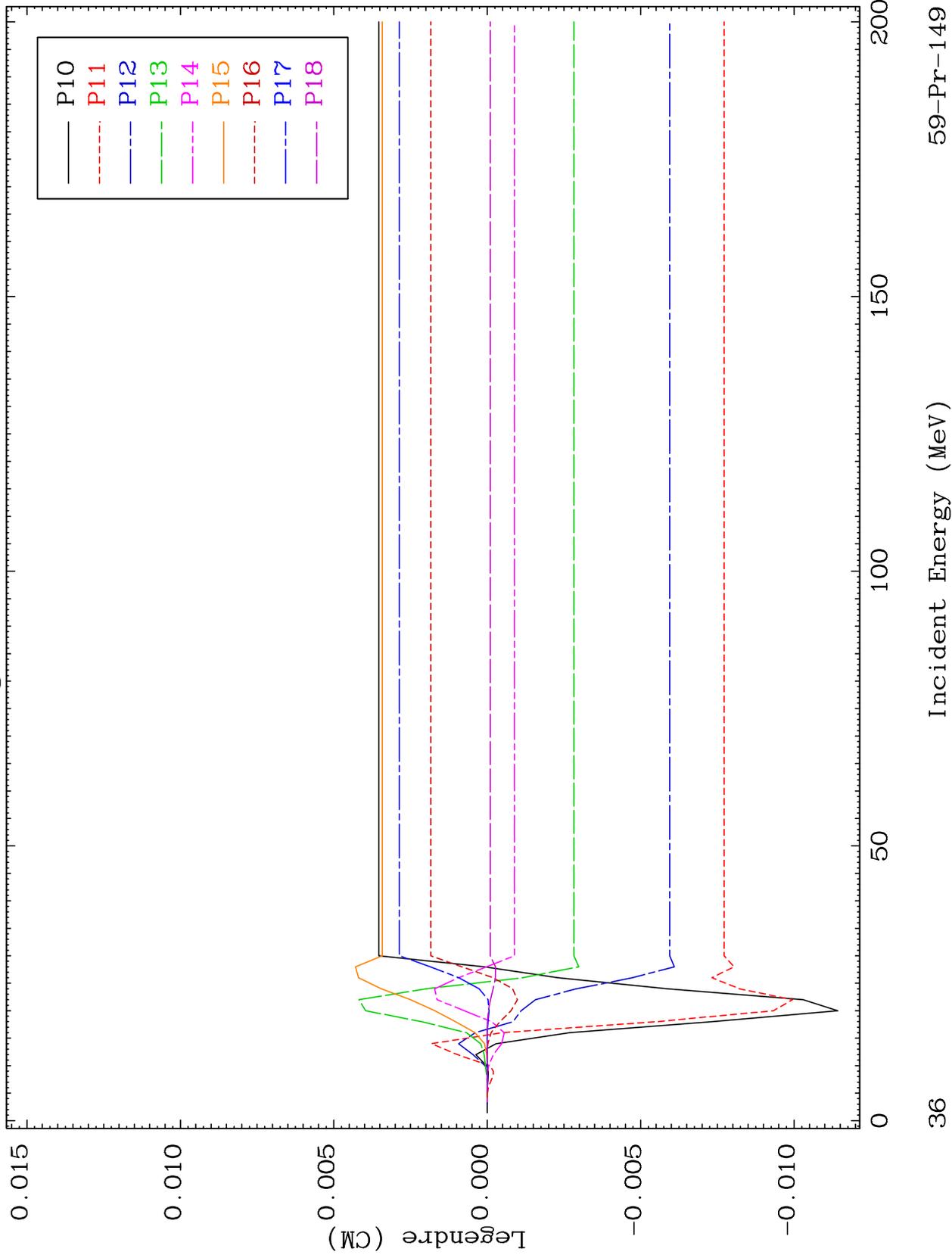
Incident Energy (MeV)

35

MAT 5949

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

59-Pr-149



36

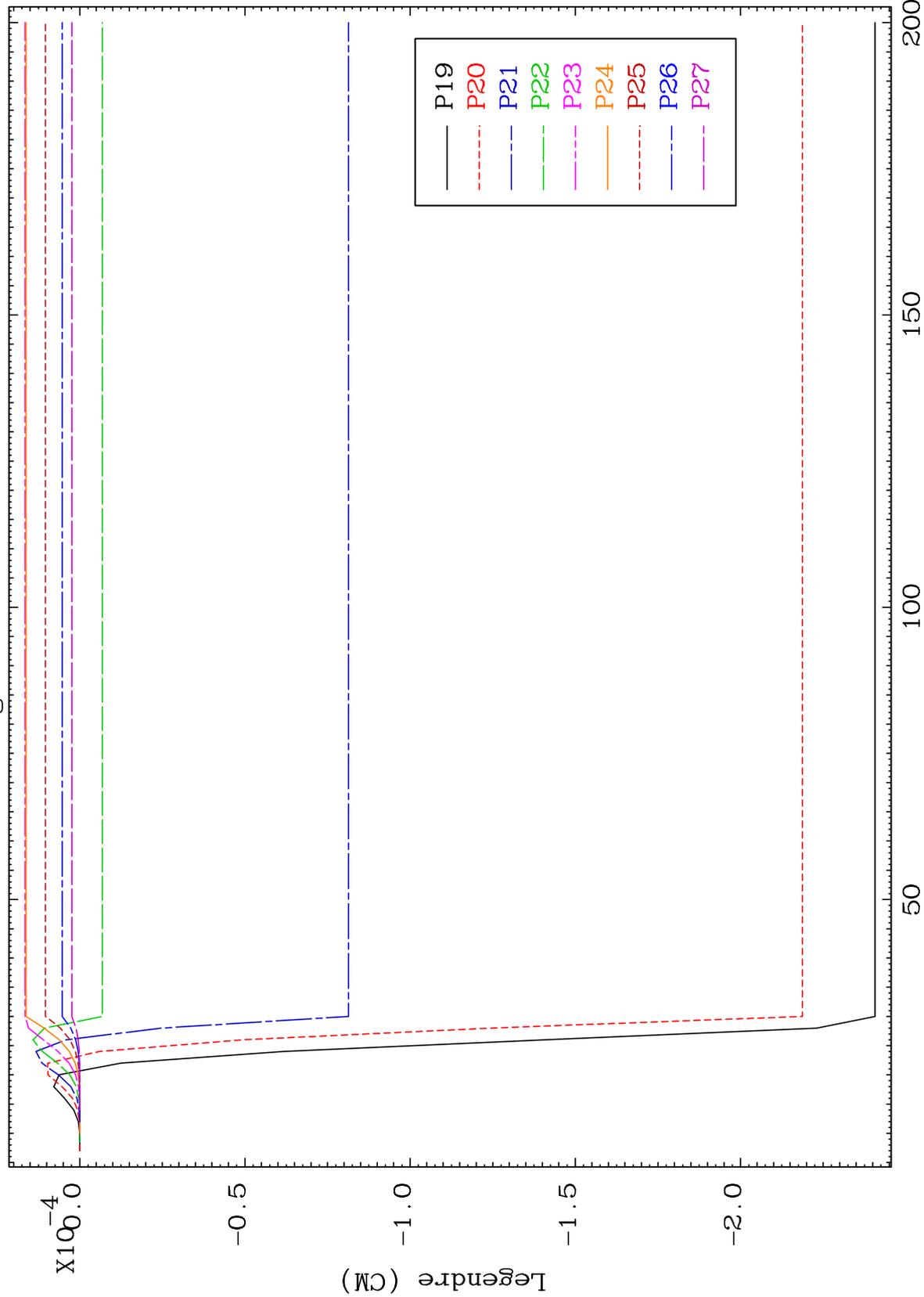
Incident Energy (MeV)

59-Pr-149

MAT 5949

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

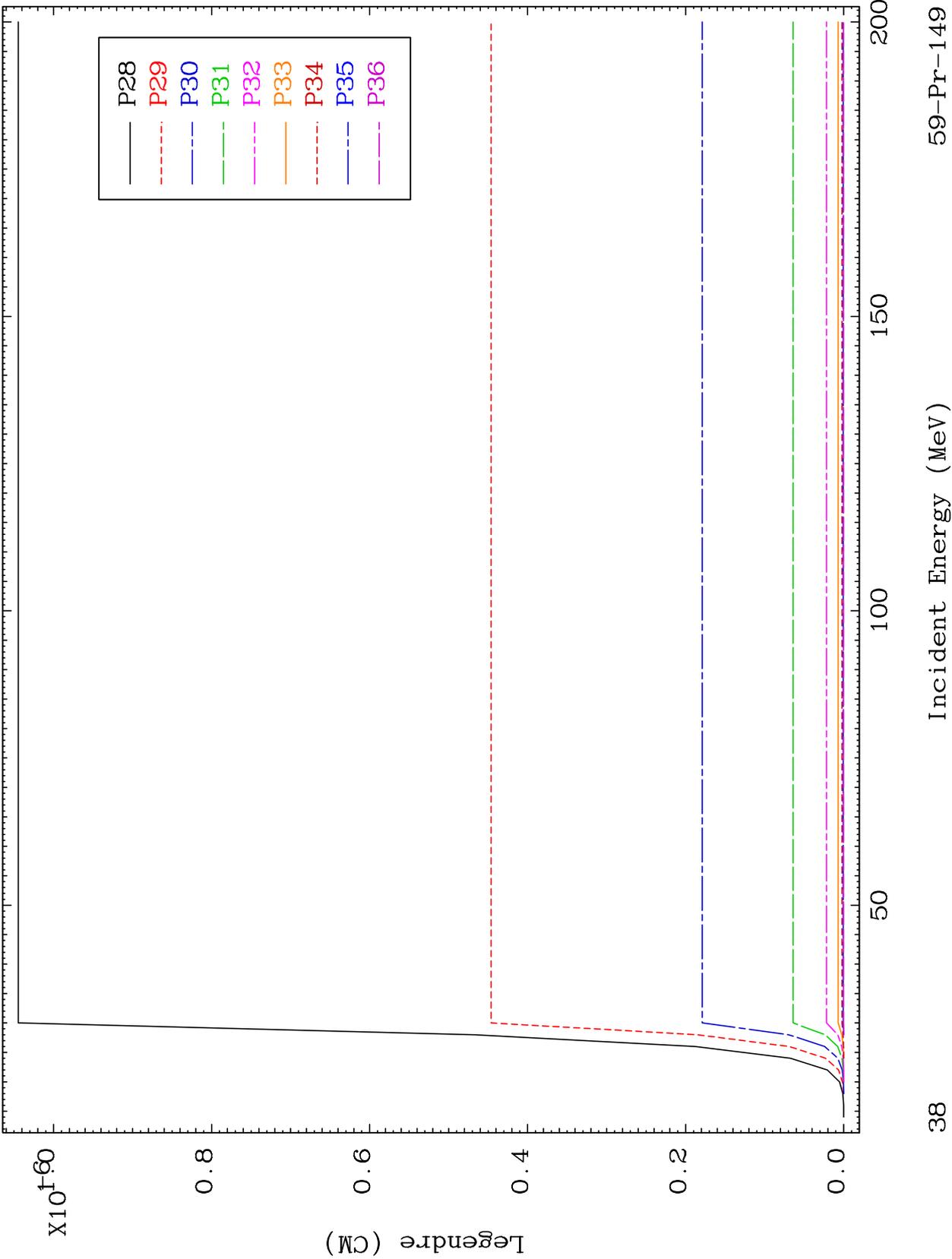
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MAT 5949

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

59-Pr-149



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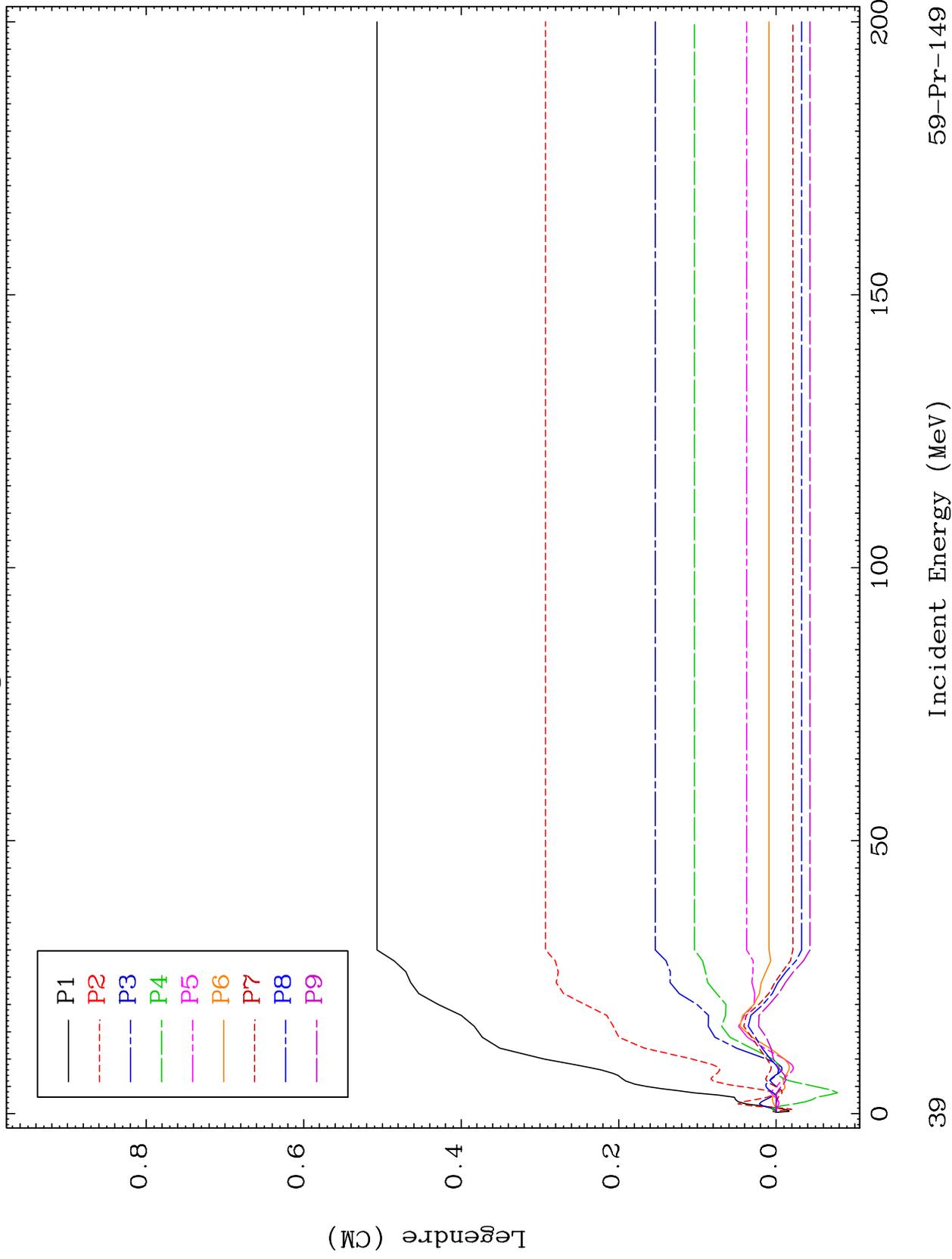
Incident Energy (MeV)

59-Pr-149

MAT 5949

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

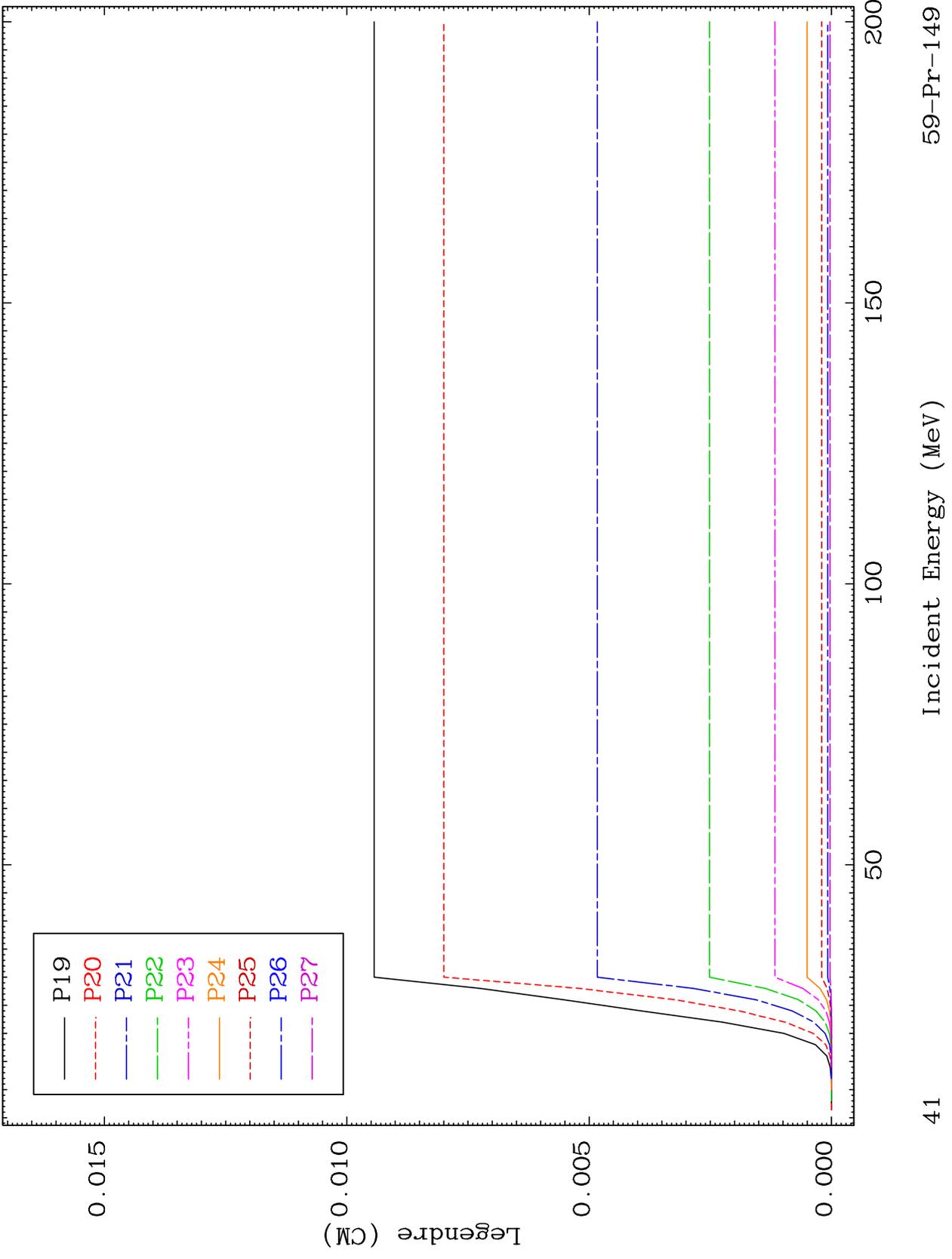
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39

Incident Energy (MeV)

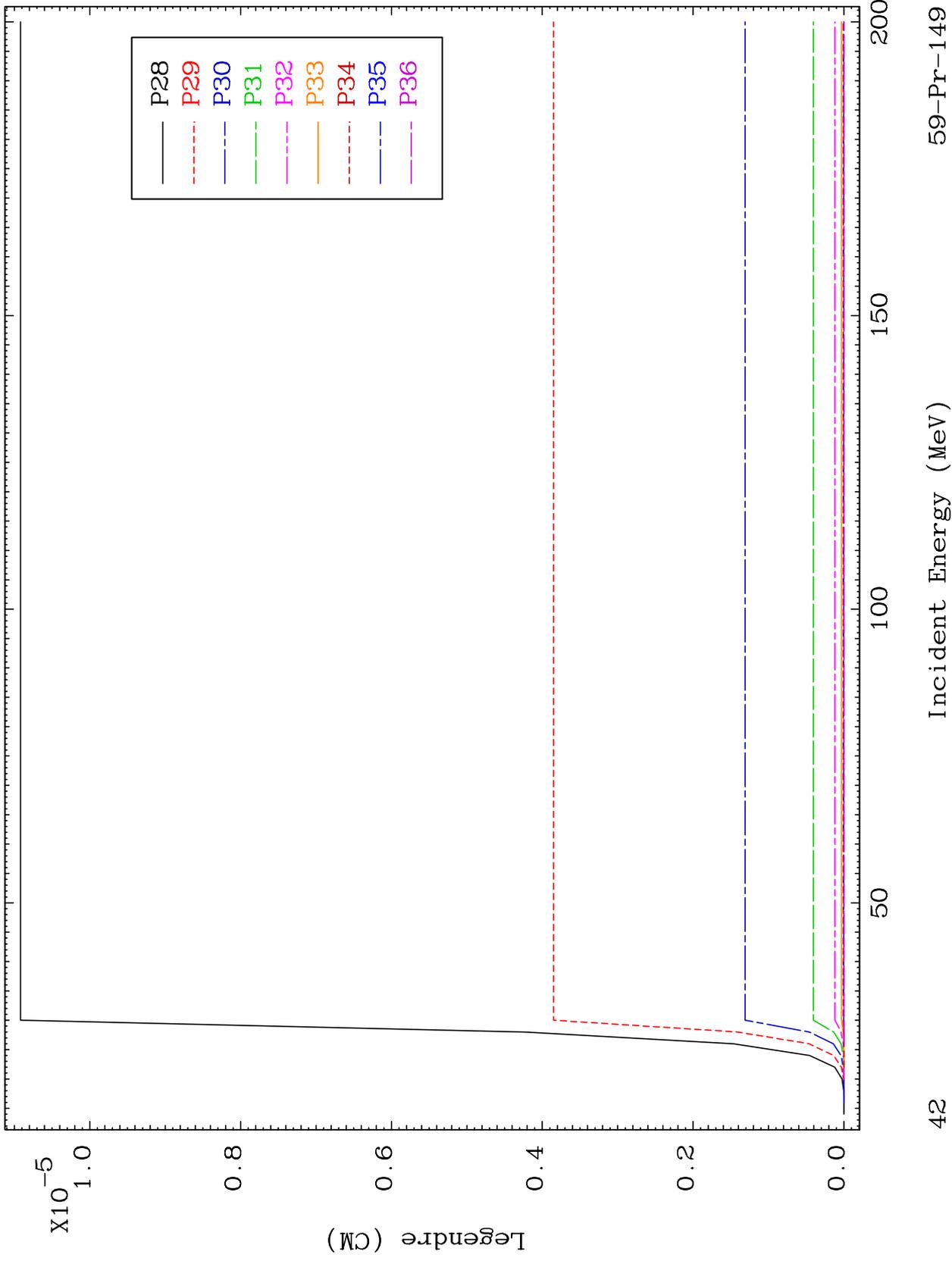
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MAT 5949

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

59-Pr-149



42

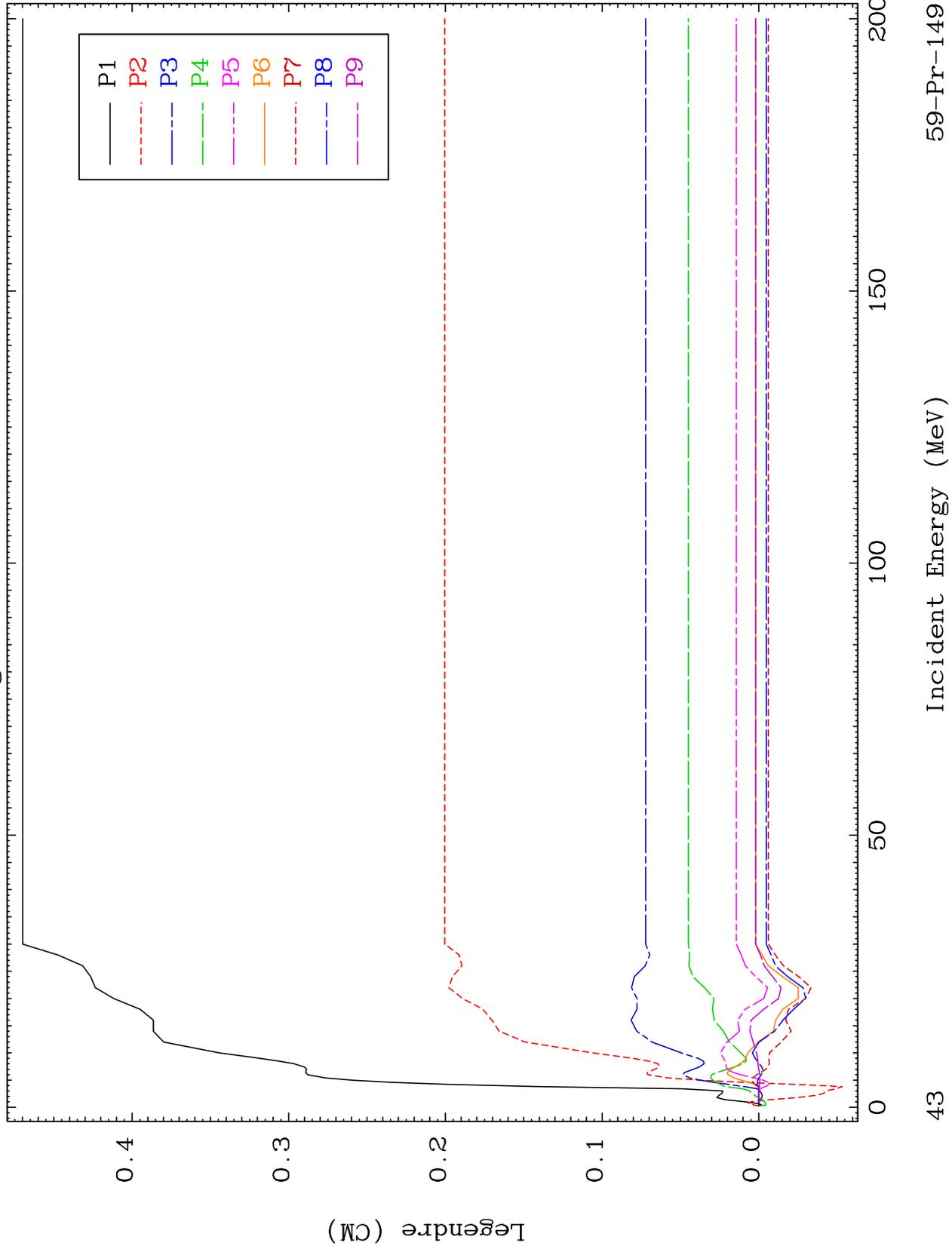
Incident Energy (MeV)

59-Pr-149

MAT 5949

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

59-Pr-149



59-Pr-149

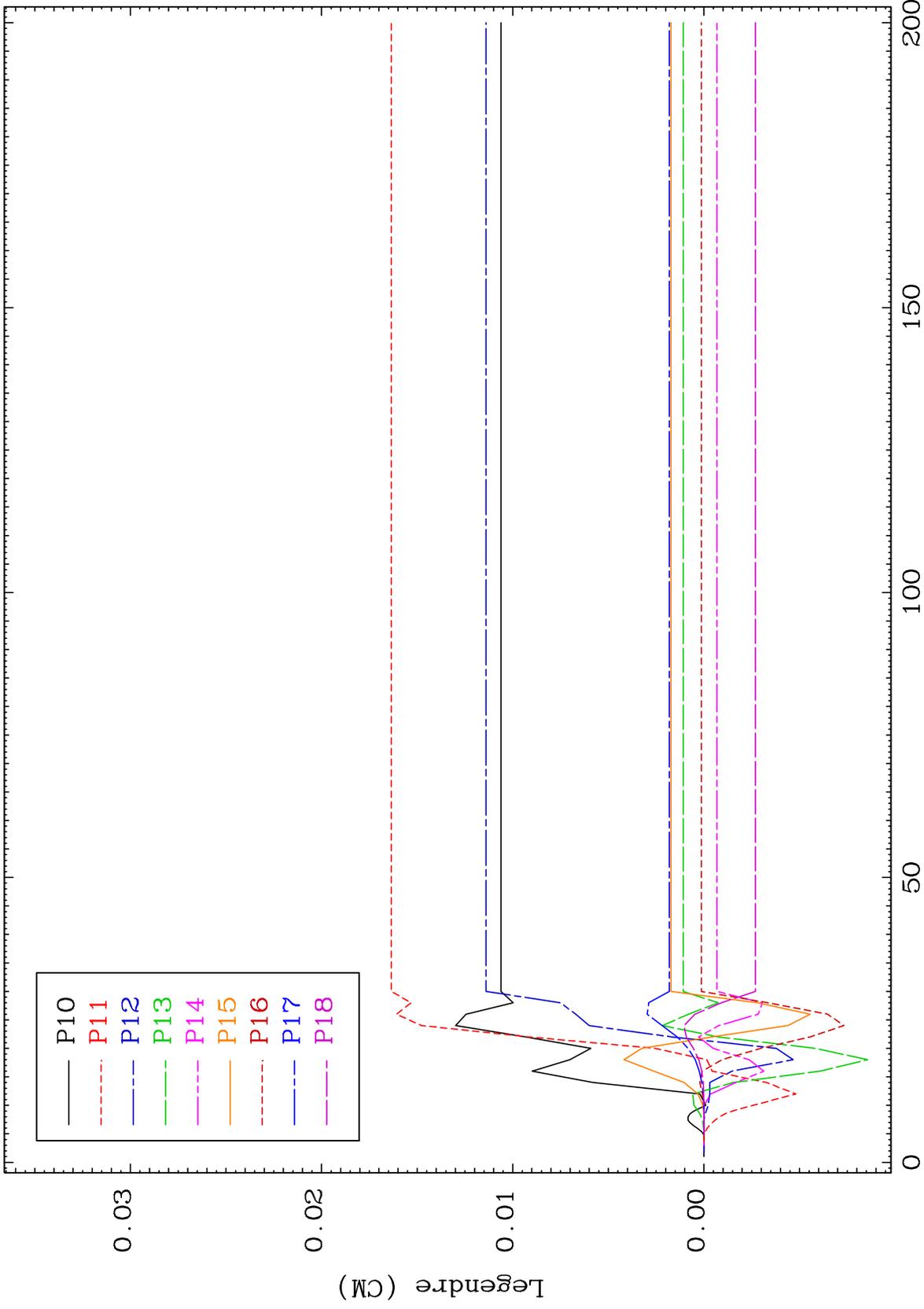
Incident Energy (MeV)

43

MAT 5949

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

59-Pr-149



44

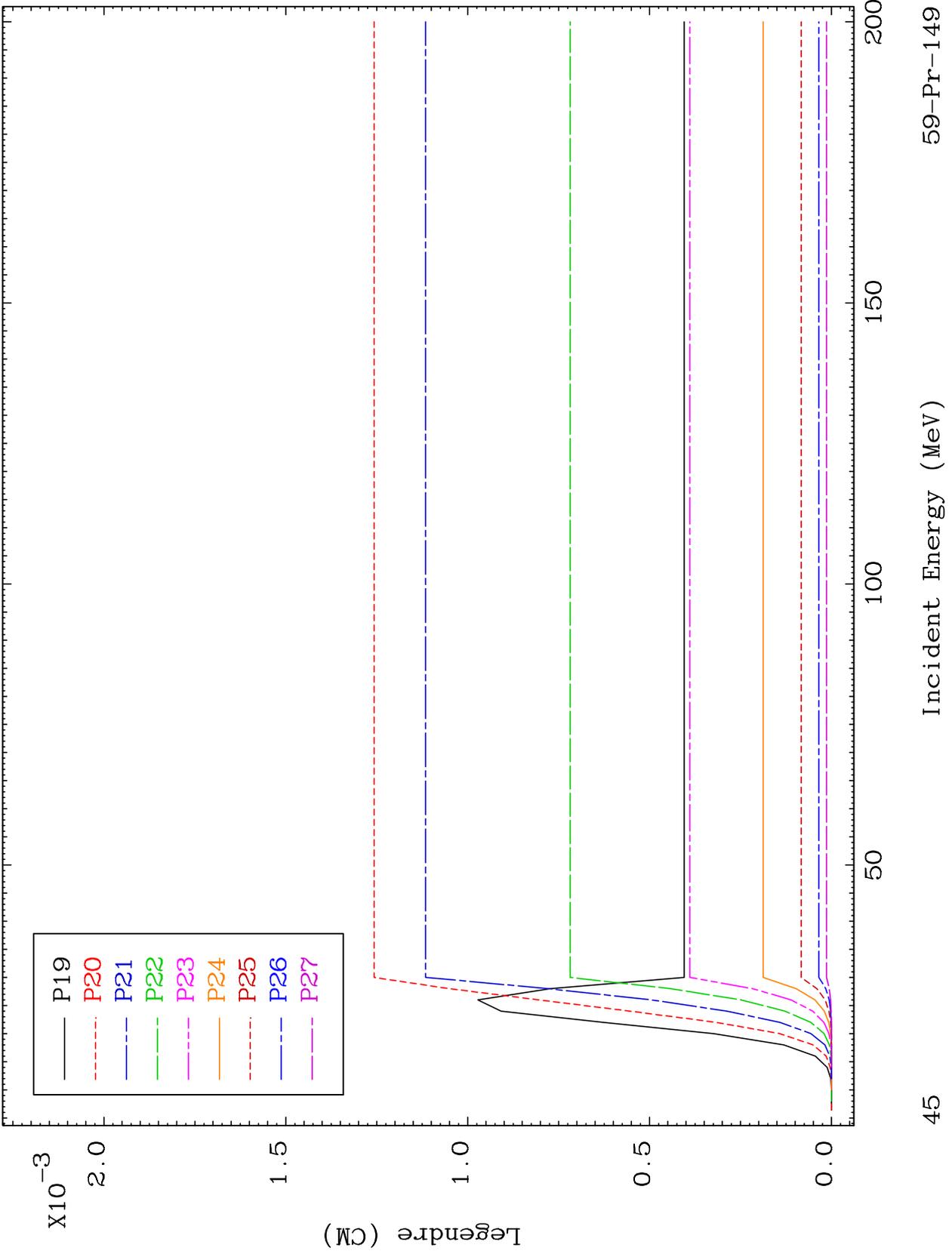
Incident Energy (MeV)

59-Pr-149

MAT 5949

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

59-Pr-149



45

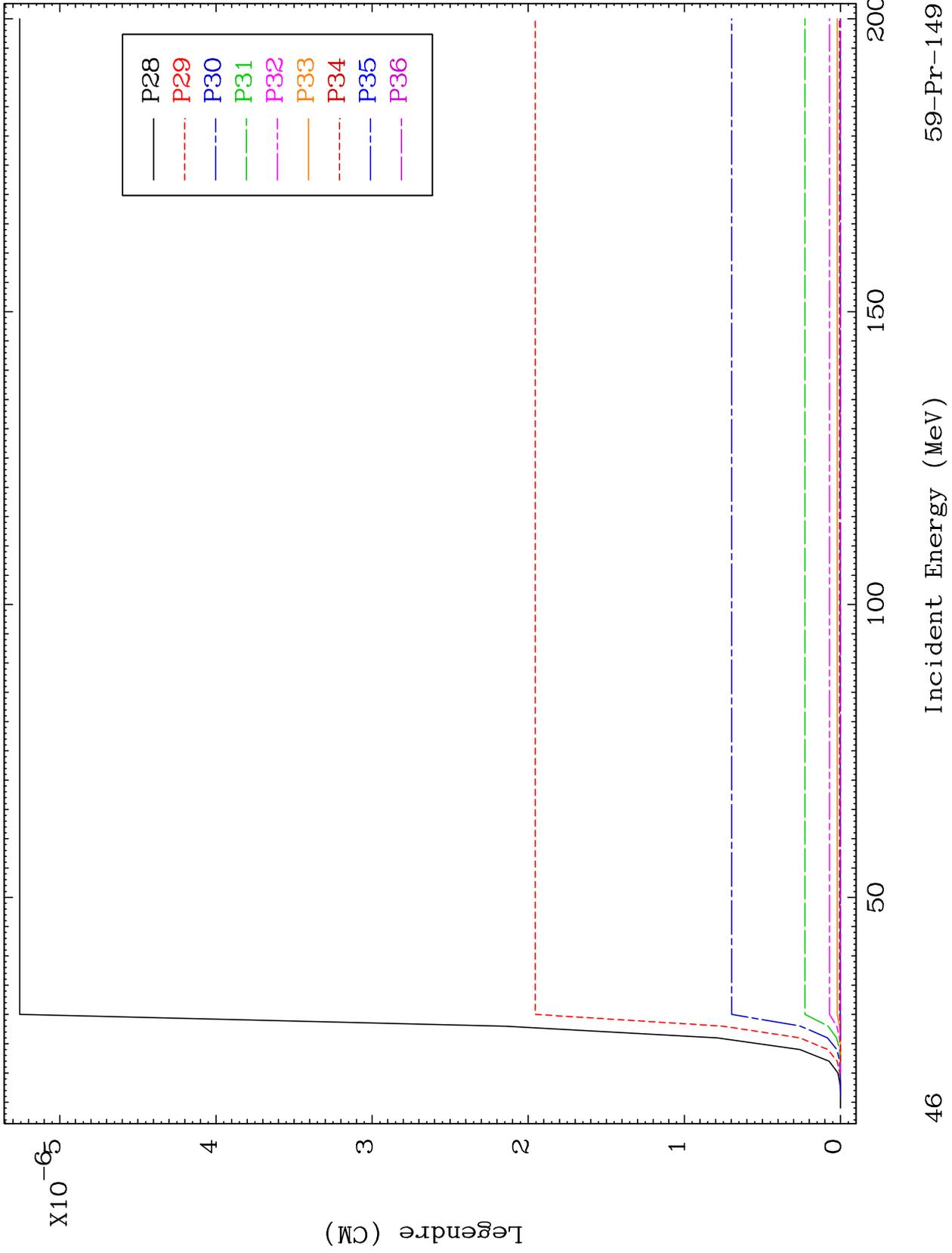
Incident Energy (MeV)

59-Pr-149

MAT 5949

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

59-Pr-149



46

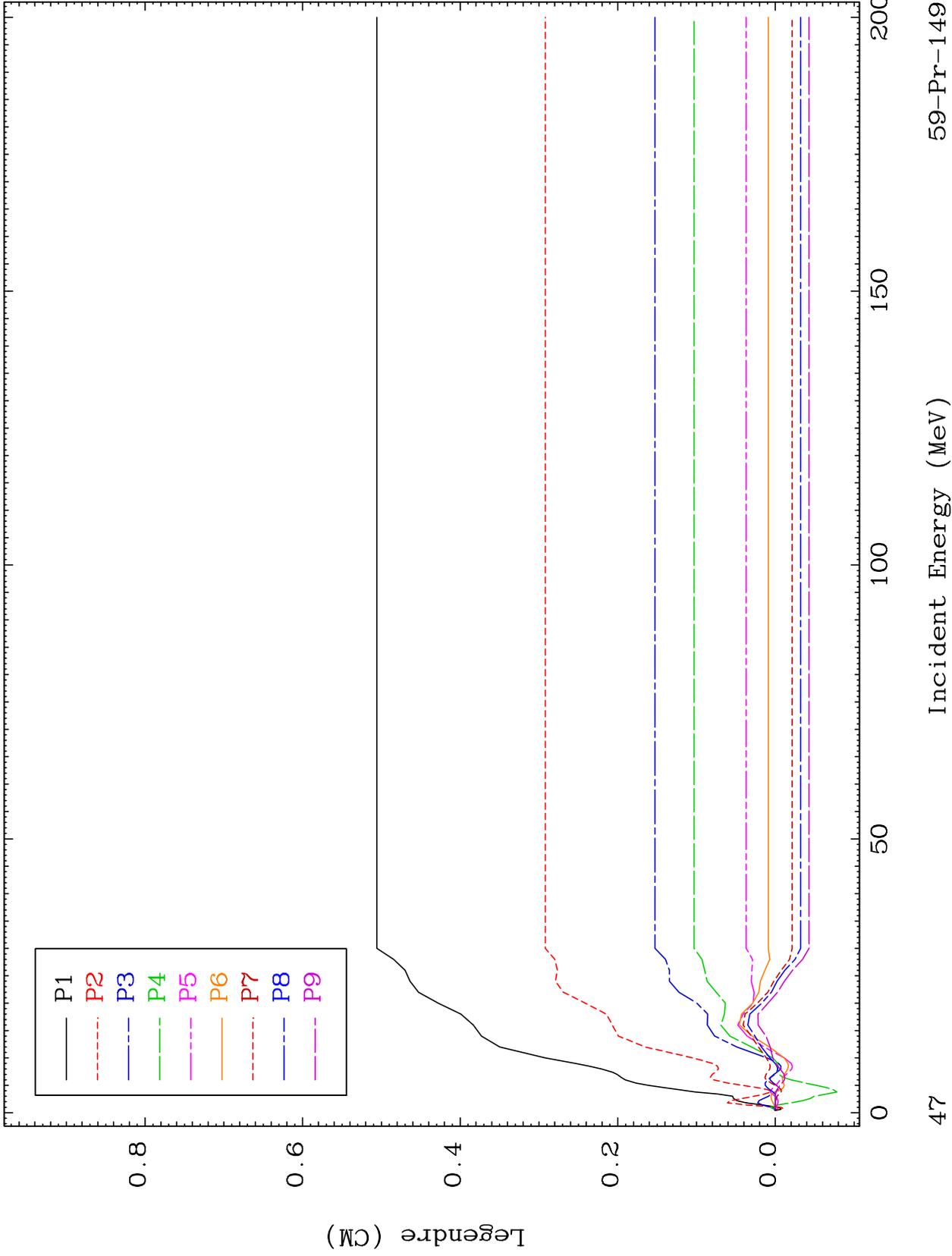
Incident Energy (MeV)

59-Pr-149

MAT 5949

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

59-Pr-149



59-Pr-149

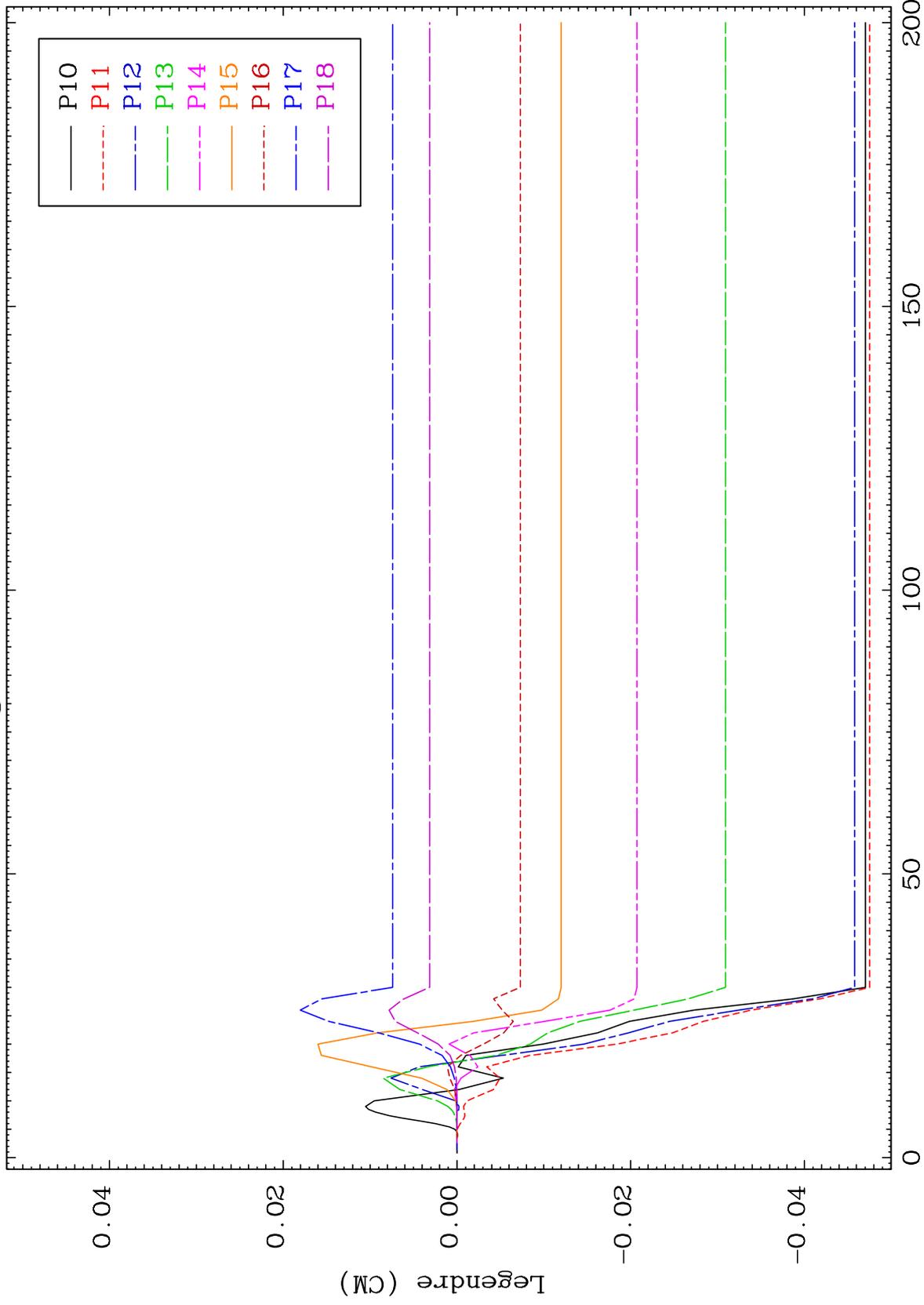
Incident Energy (MeV)

47

MAT 5949

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

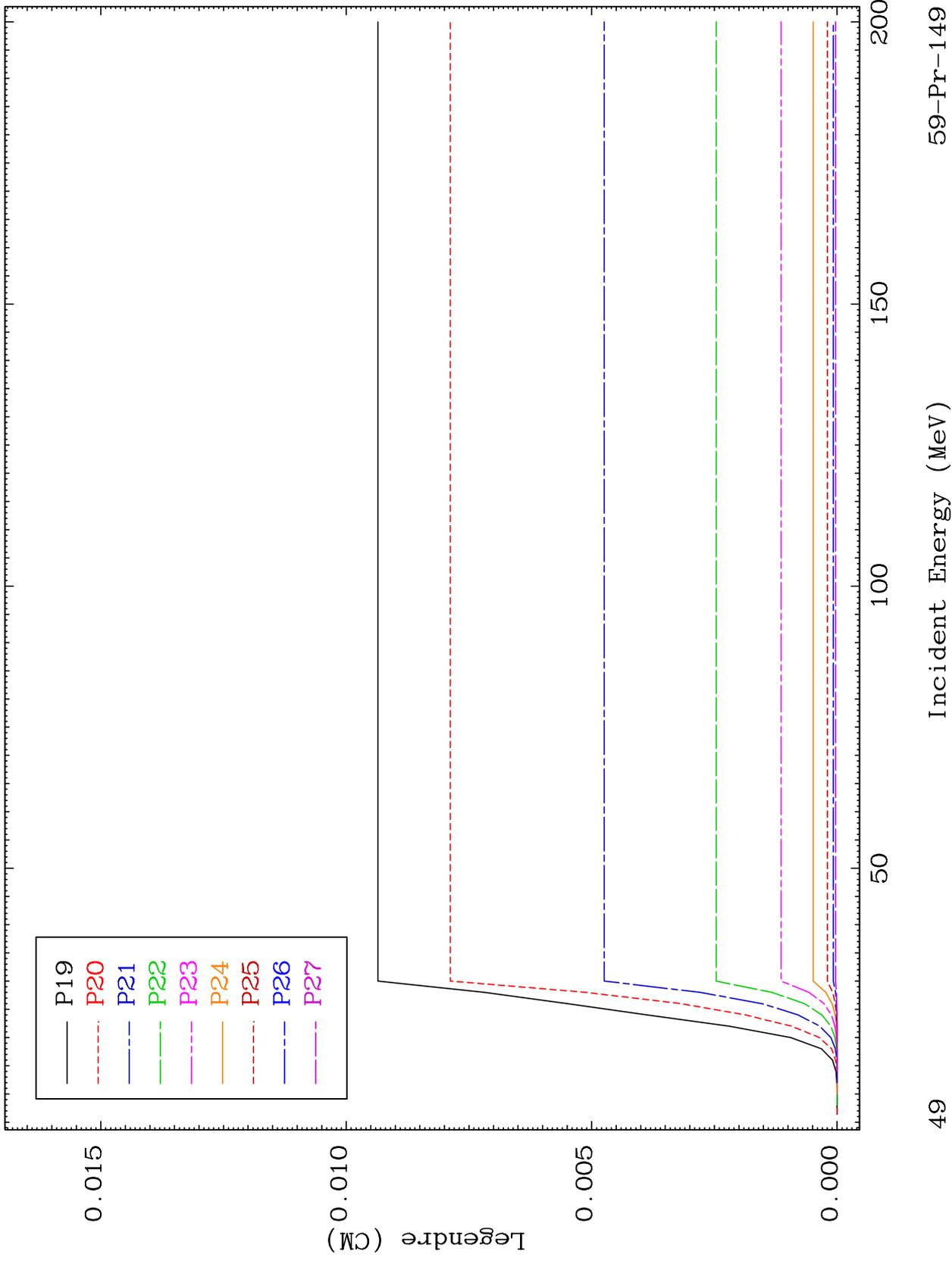
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48

Incident Energy (MeV)

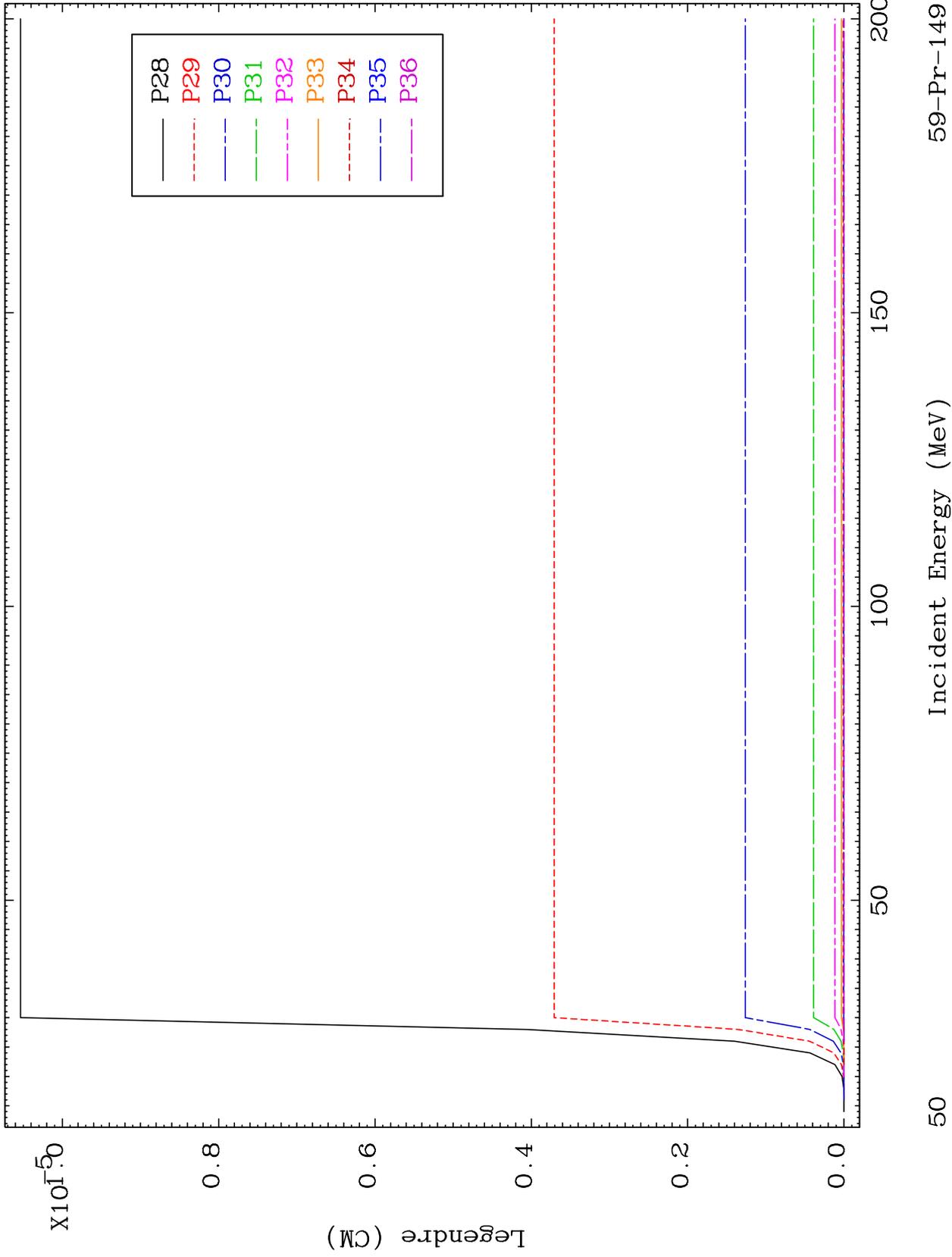
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MAT 5949

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

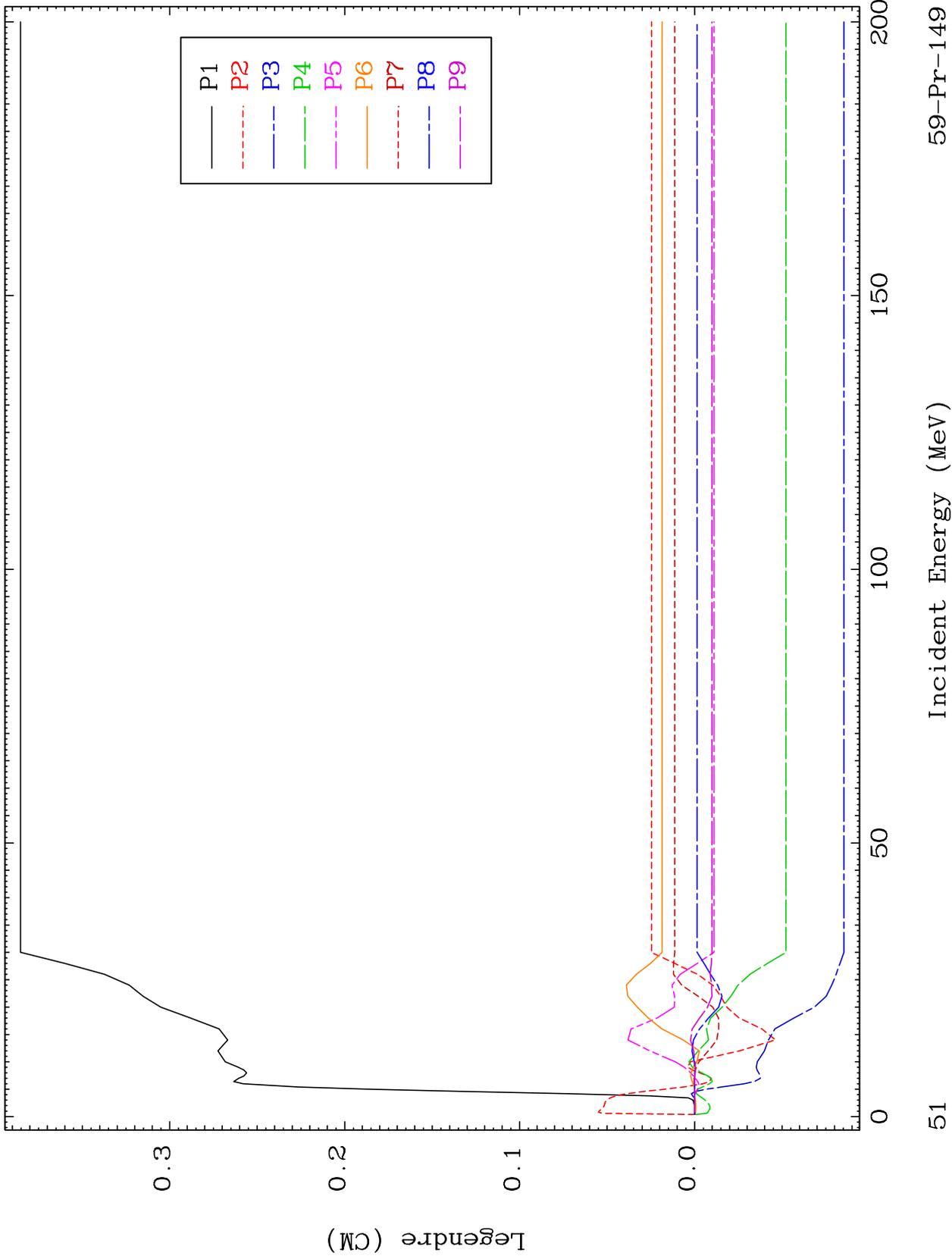
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MAT 5949

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

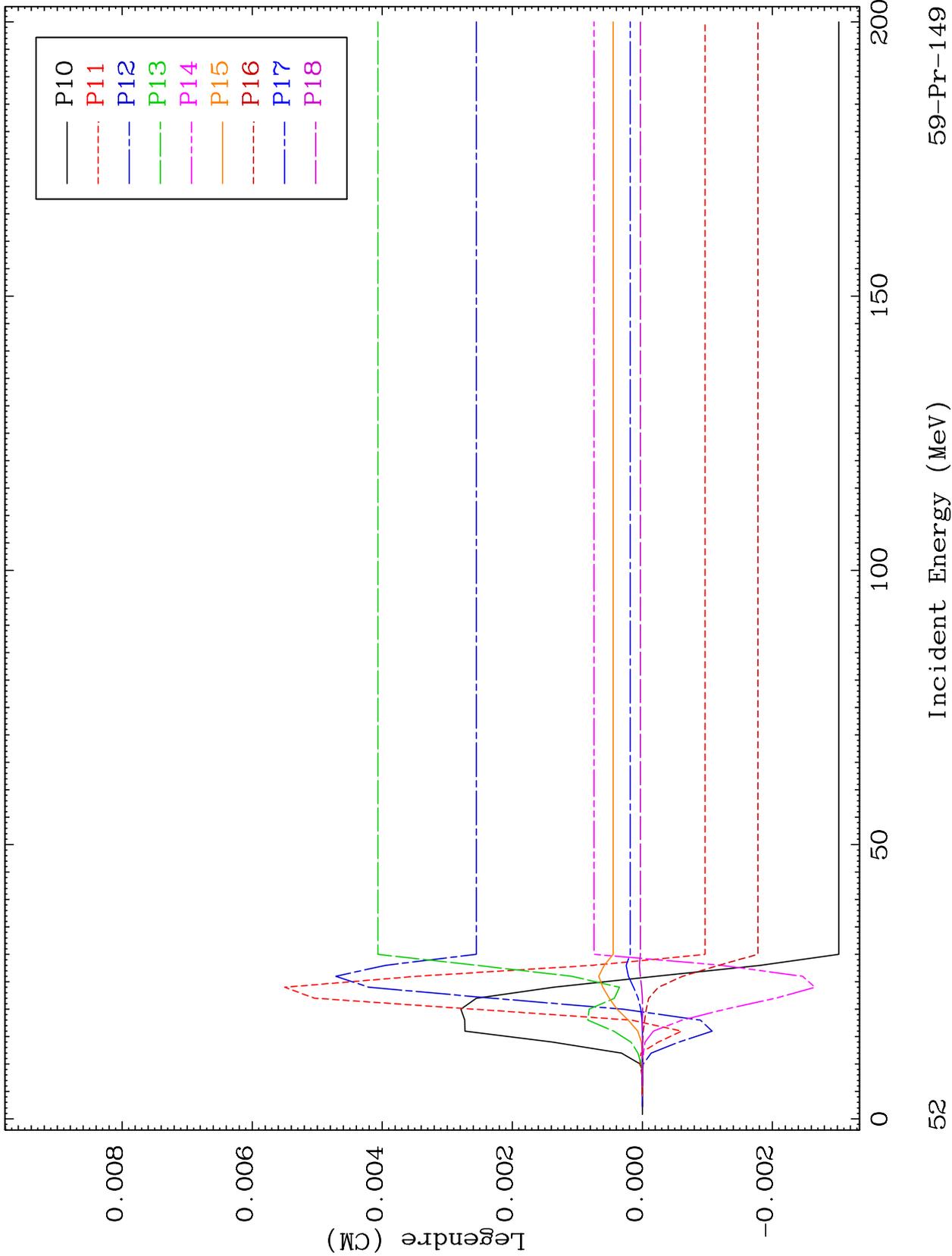
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MAT 5949

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

59-Pr-149



52

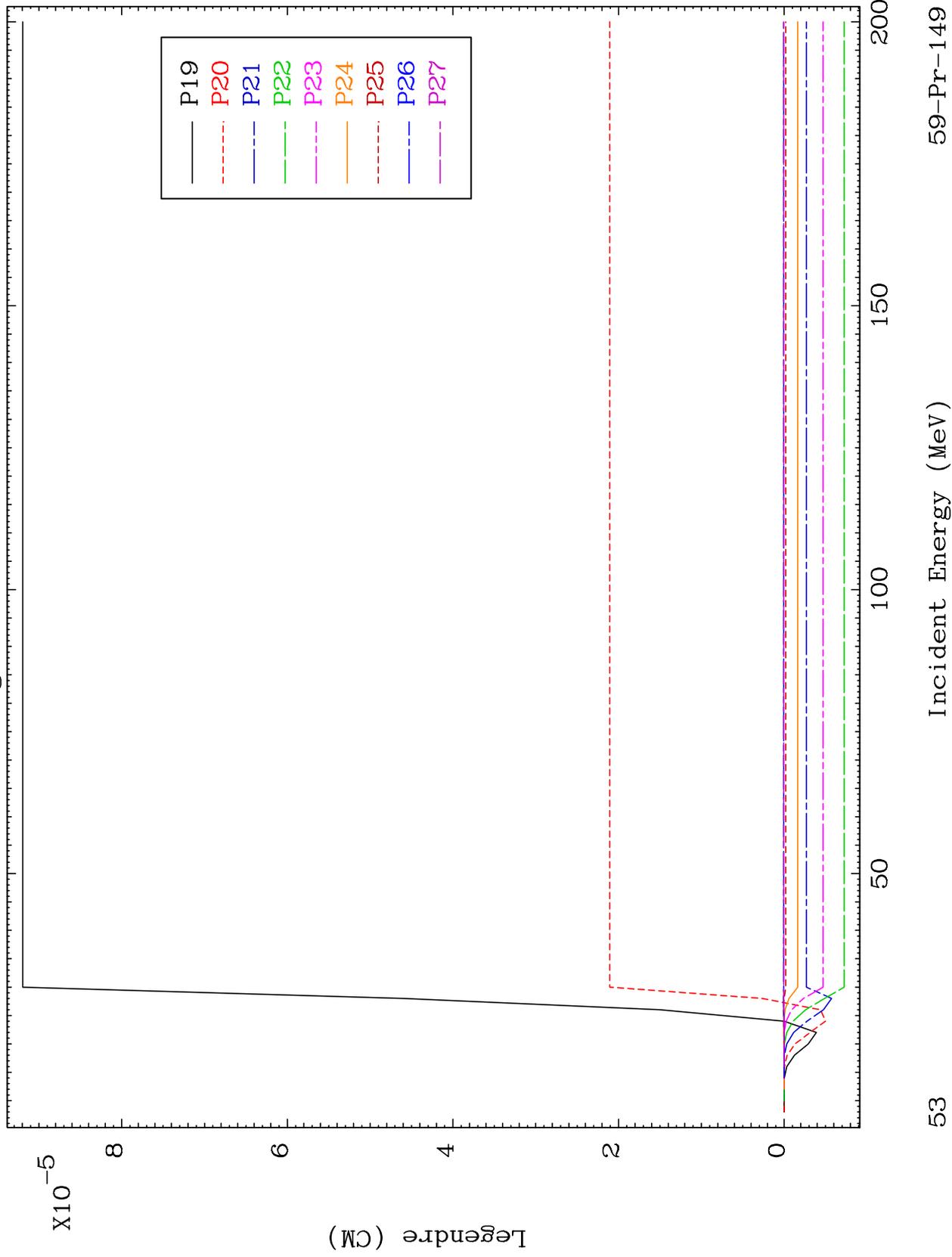
Incident Energy (MeV)

59-Pr-149

MAT 5949

59-Pr-149

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



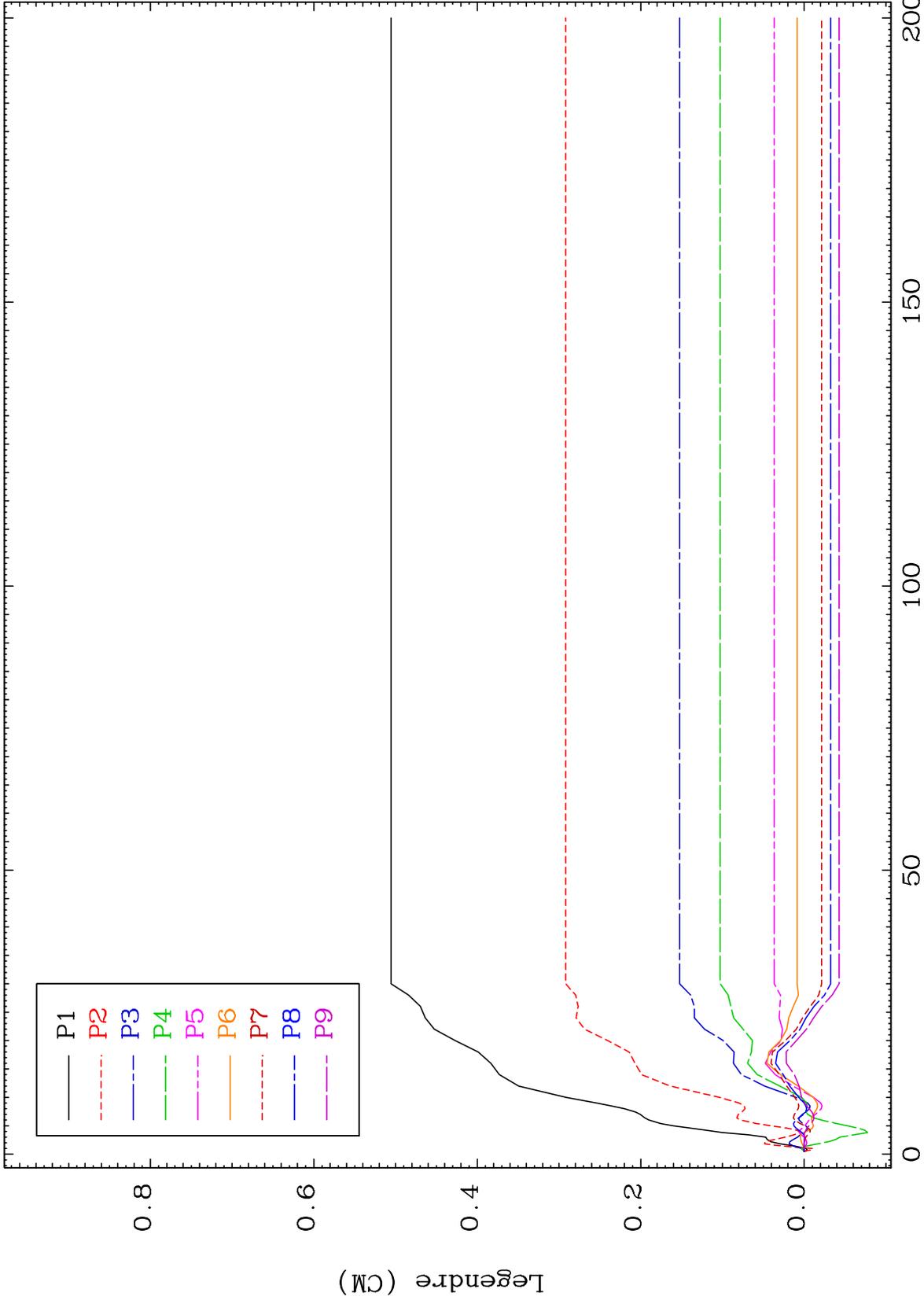
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59-Pr-149

MAT 5949

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

59-Pr-149



55

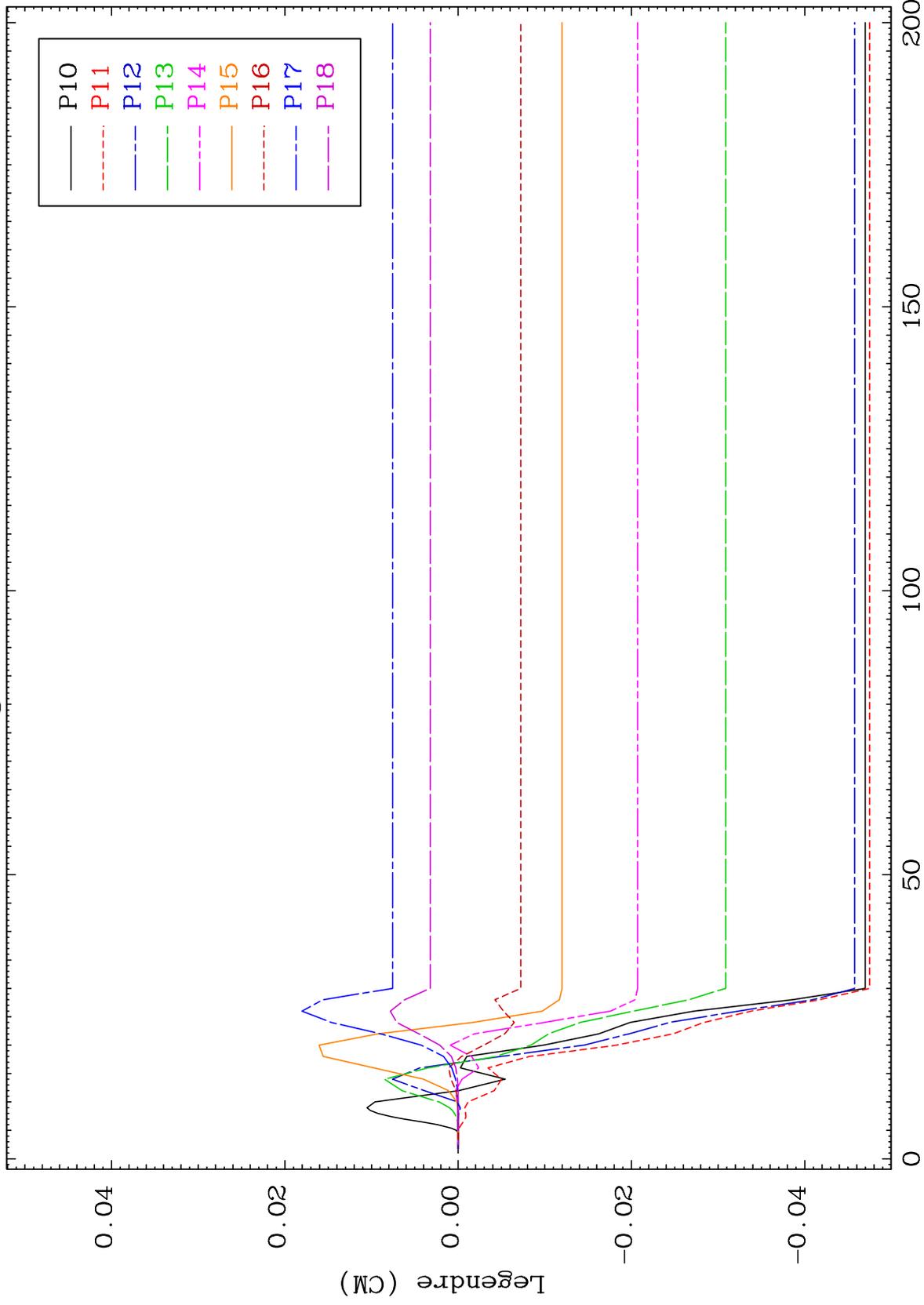
Incident Energy (MeV)

59-Pr-149

MAT 5949

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

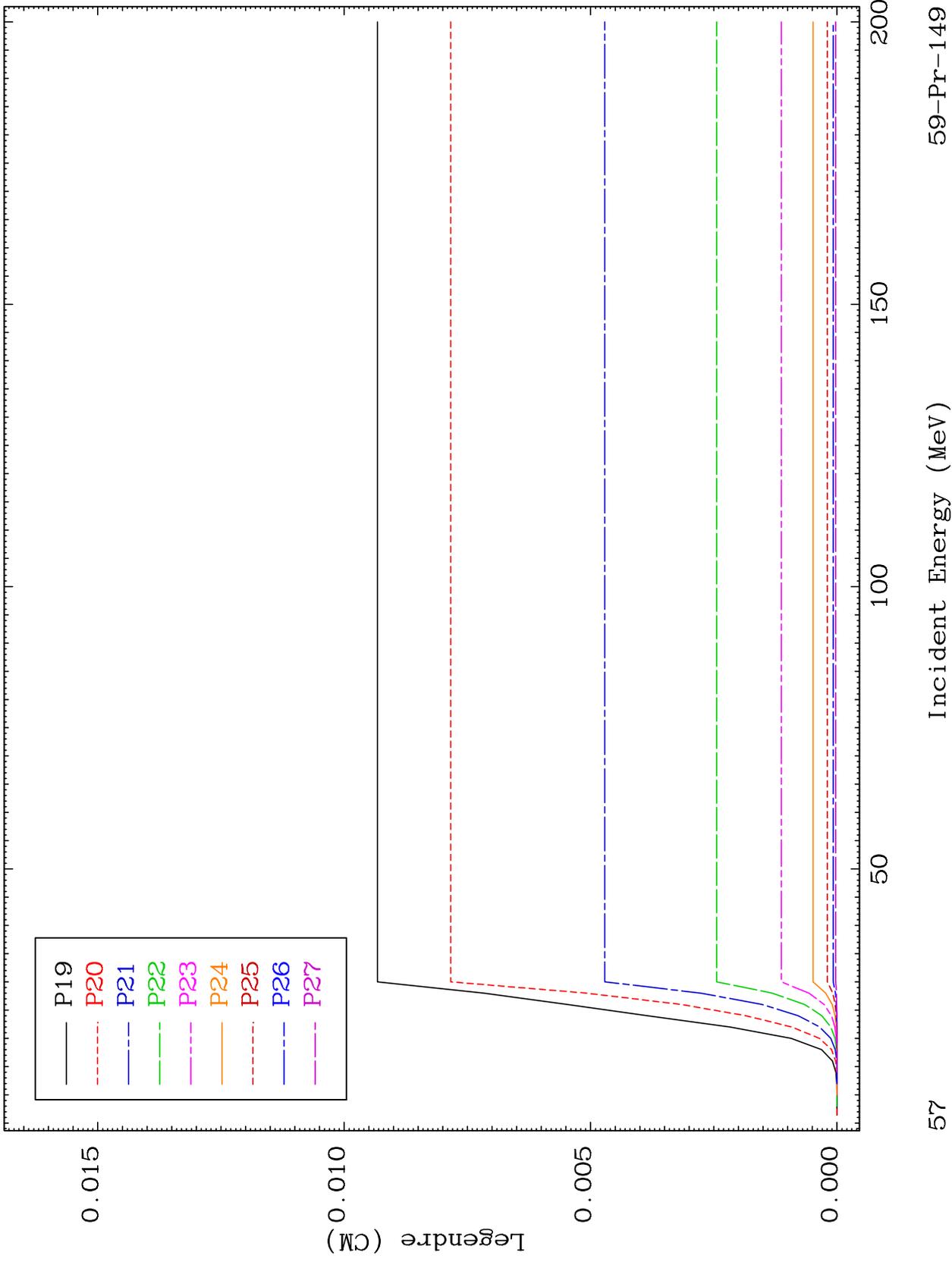
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56

Incident Energy (MeV)

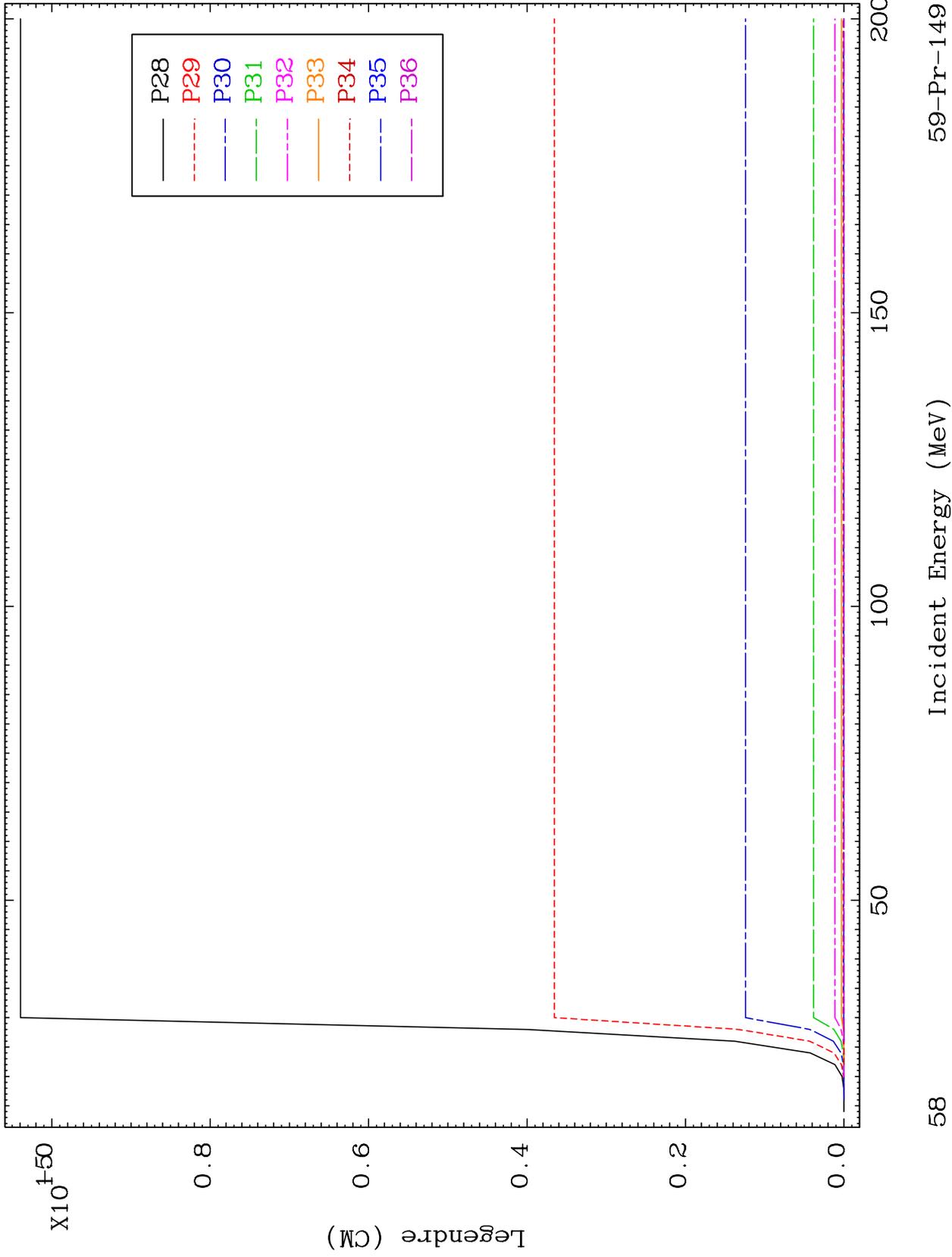
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MAT 5949

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

59-Pr-149



58

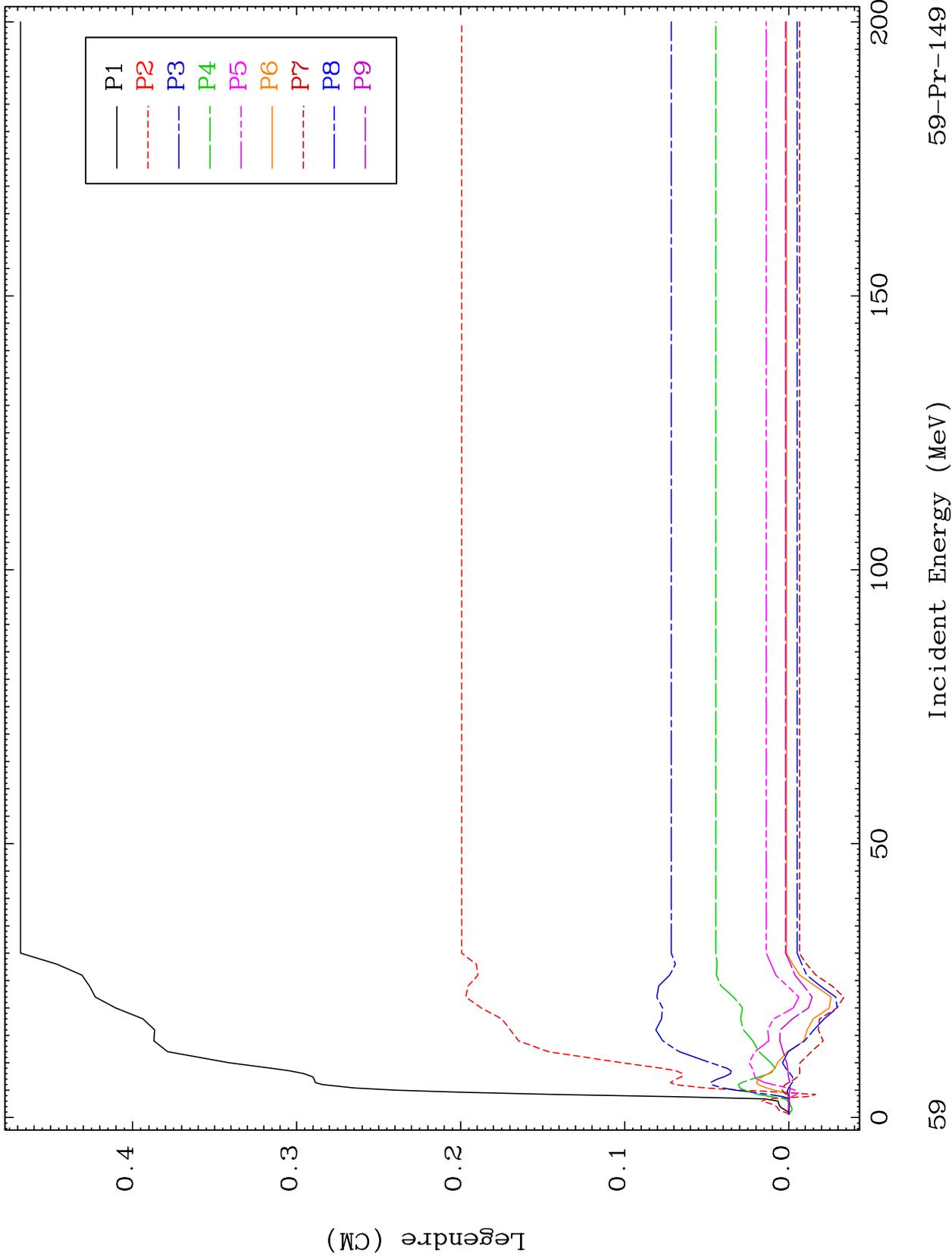
Incident Energy (MeV)

59-Pr-149

MAT 5949

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

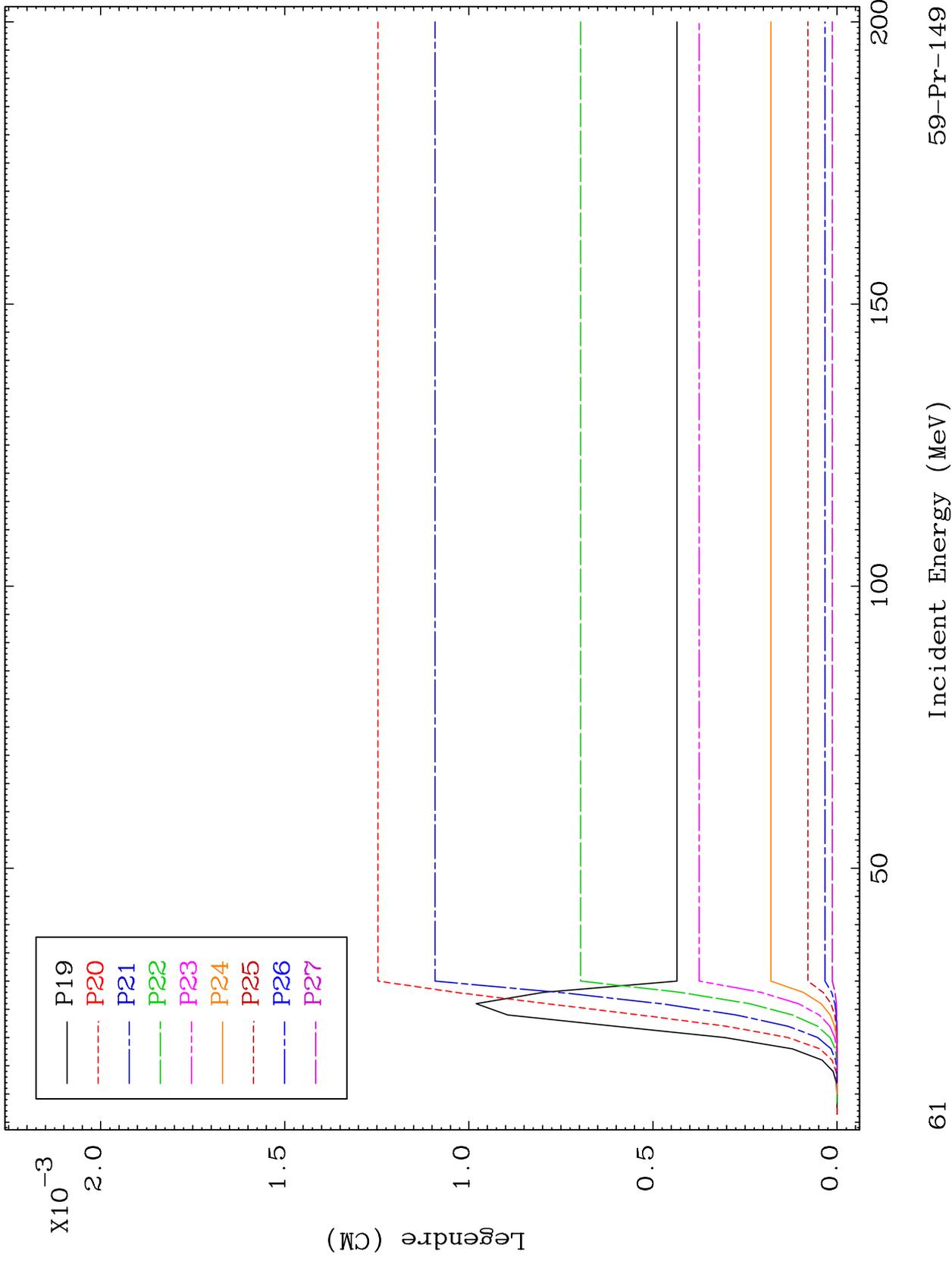
59-Pr-149



59-Pr-149

Incident Energy (MeV)

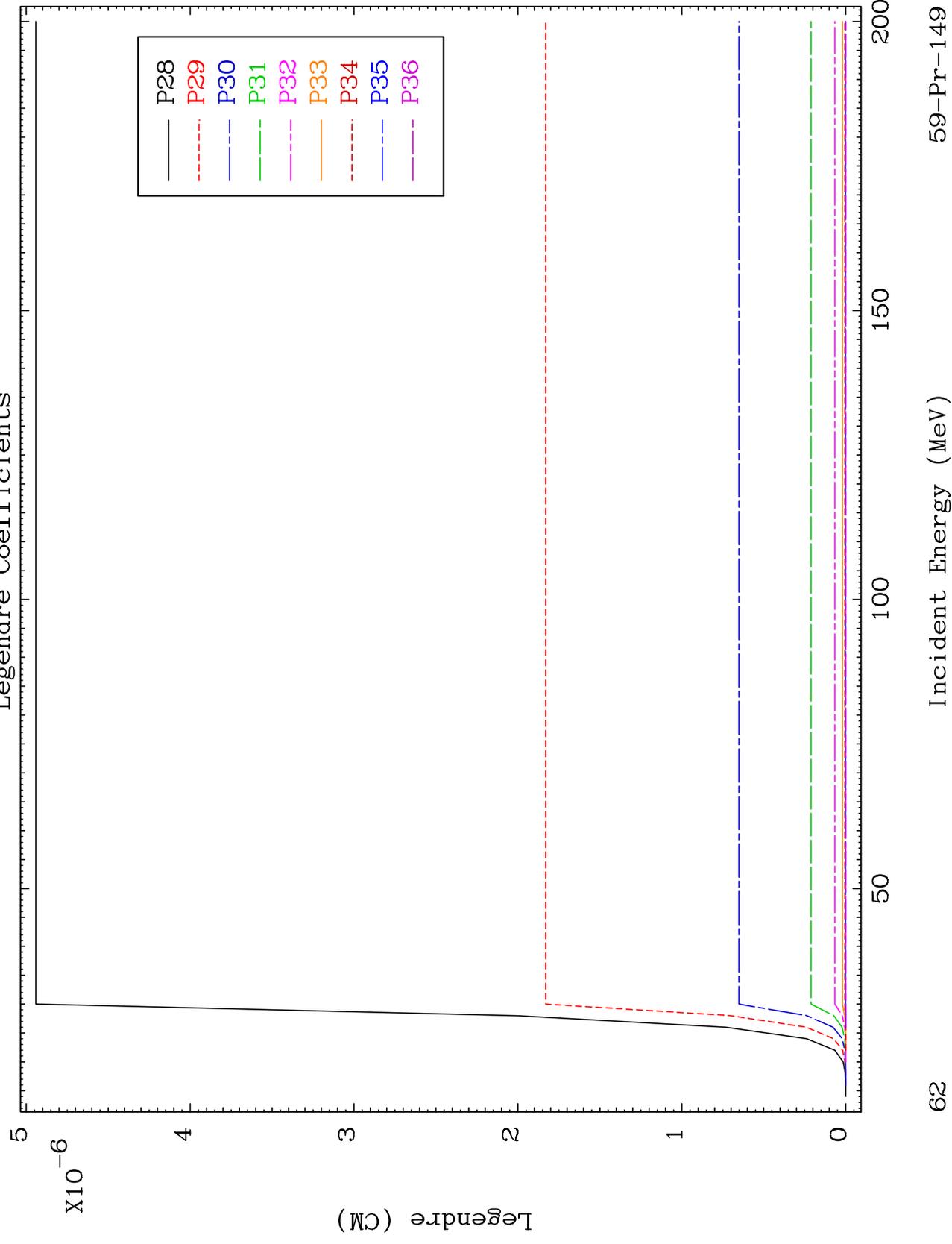
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MAT 5949

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

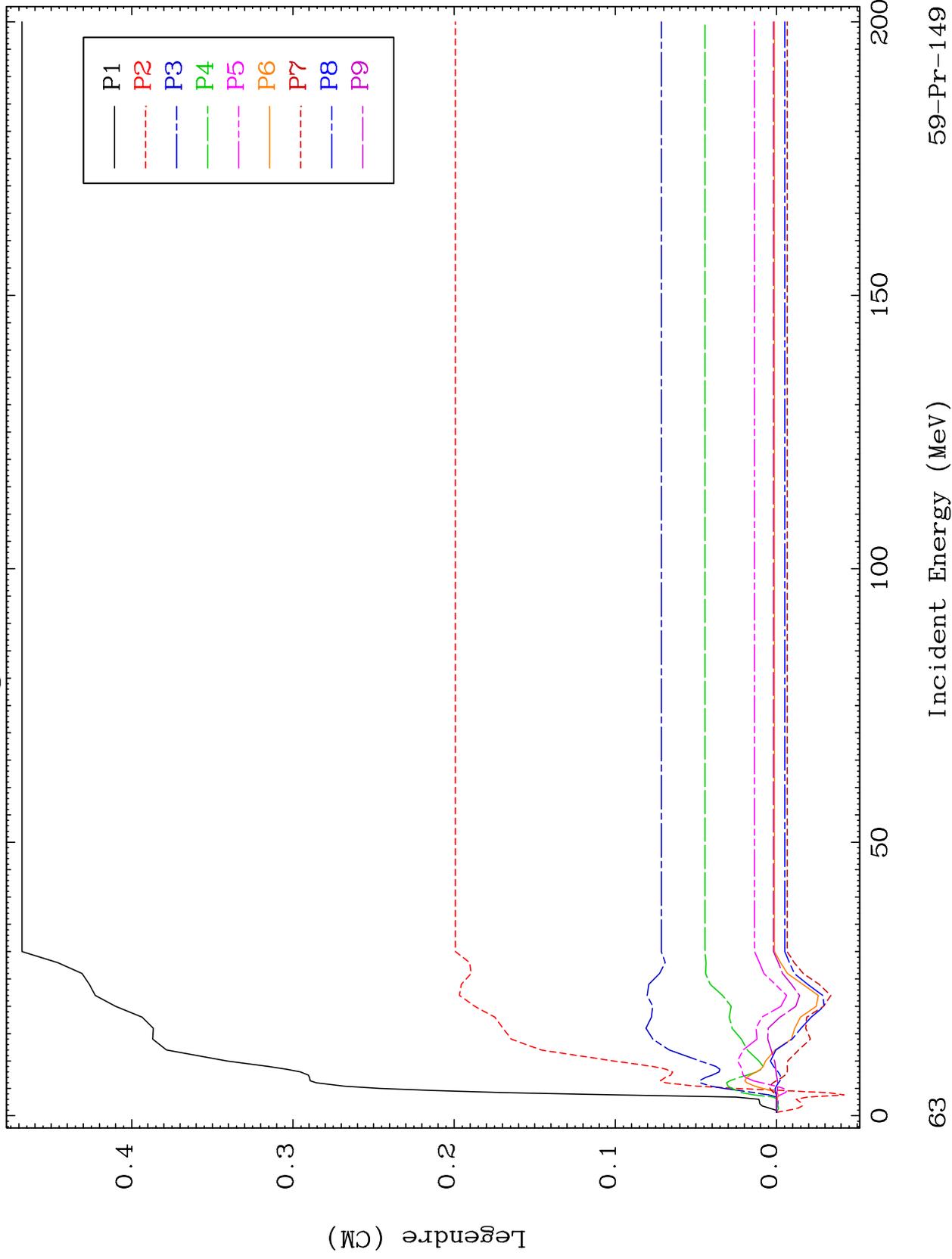
59-Pr-149



MAT 5949

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

59-Pr-149



59-Pr-149

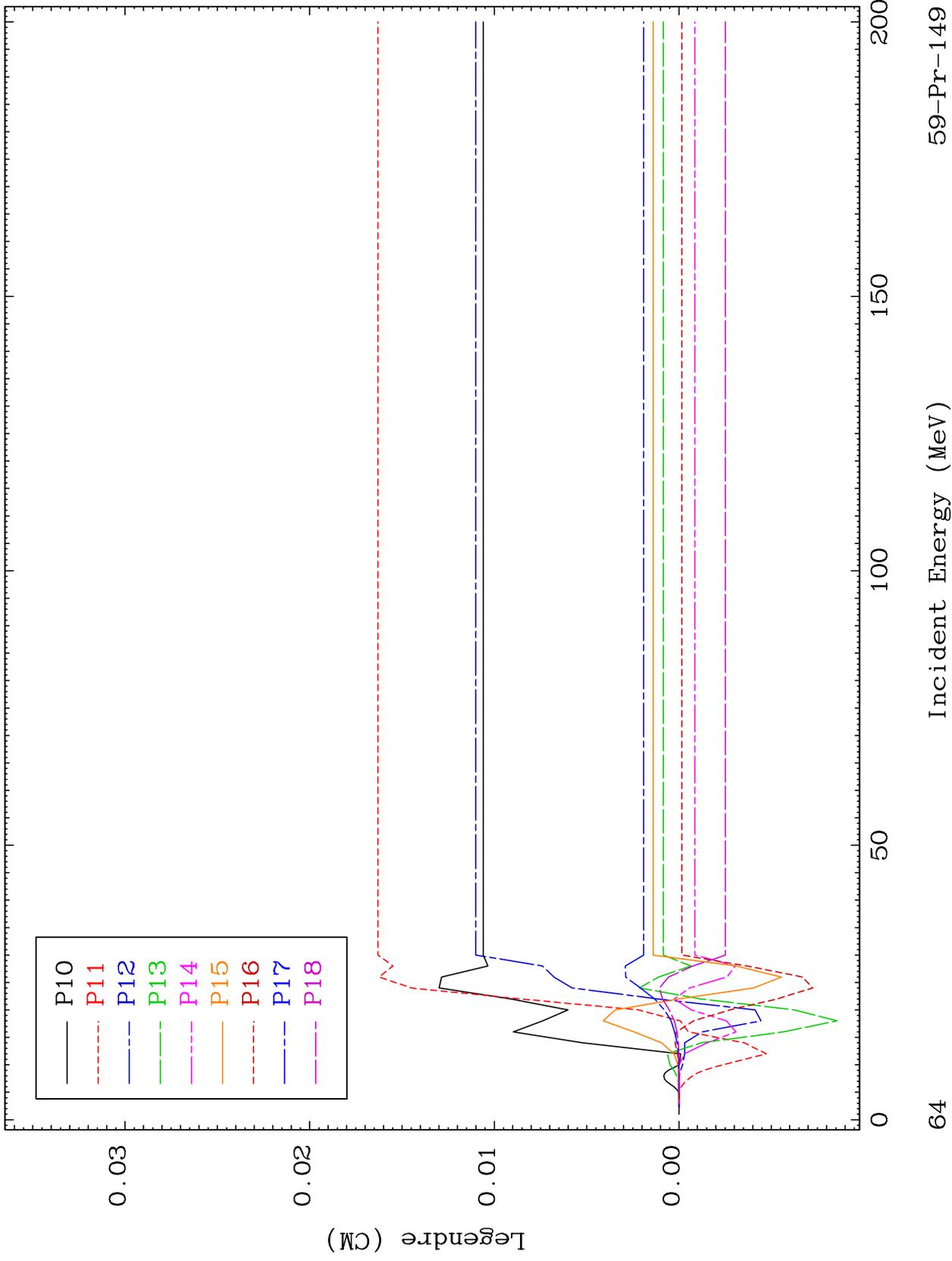
Incident Energy (MeV)

63

MAT 5949

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

59-Pr-149



64

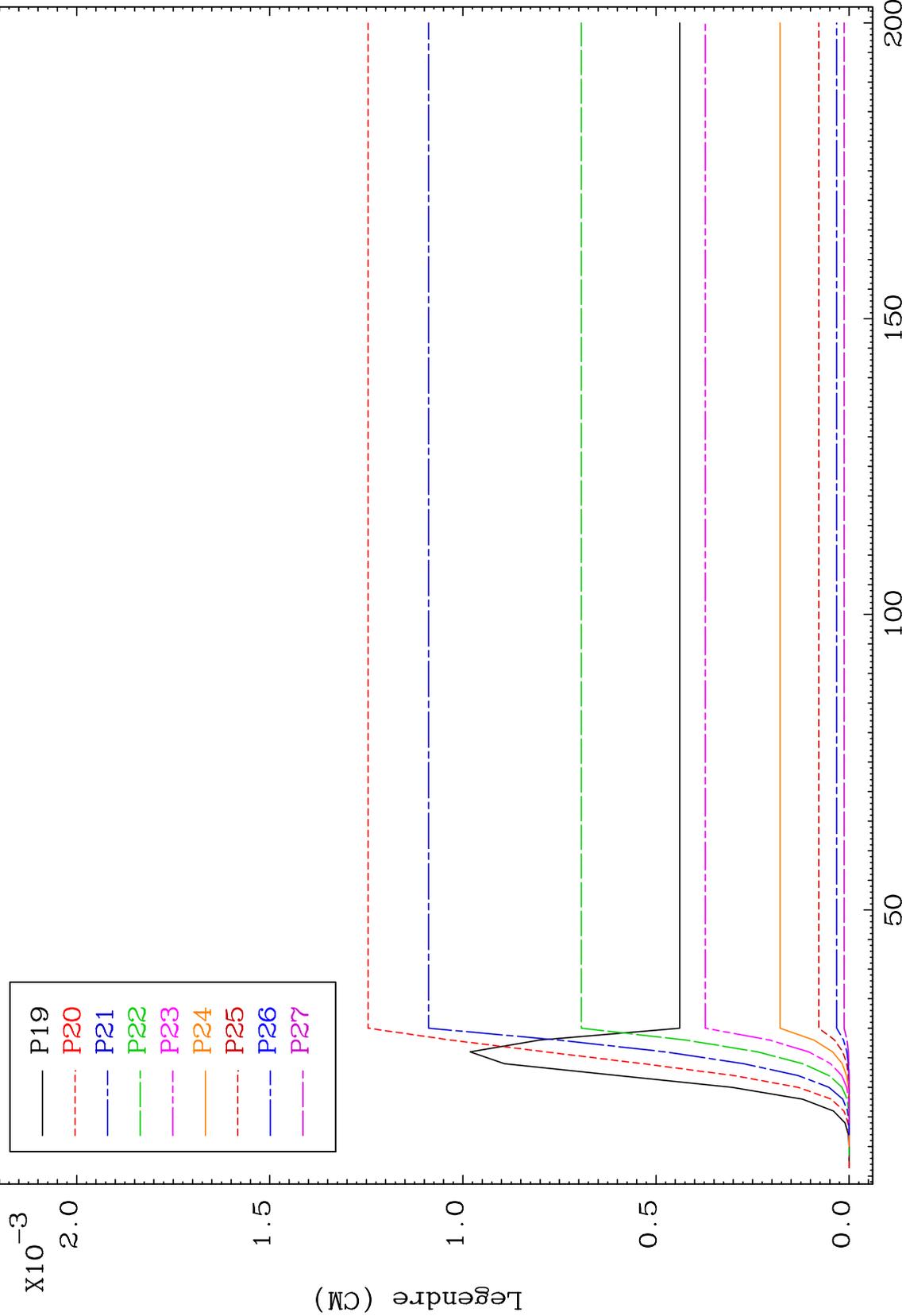
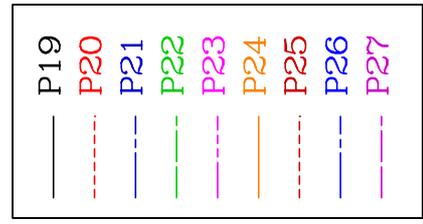
Incident Energy (MeV)

59-Pr-149

MAT 5949

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

59-Pr-149



65

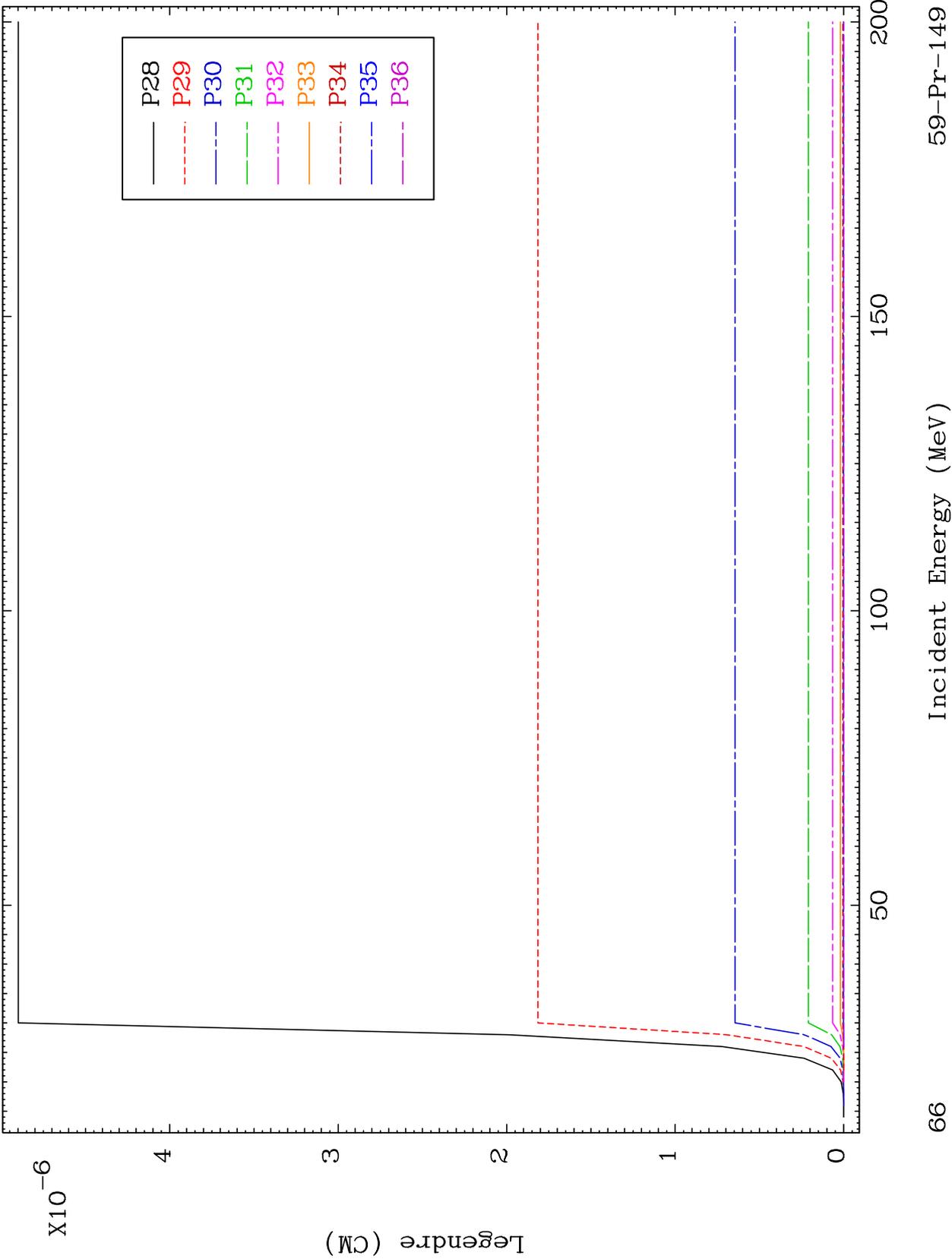
Incident Energy (MeV)

59-Pr-149

MAT 5949

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

59-Pr-149



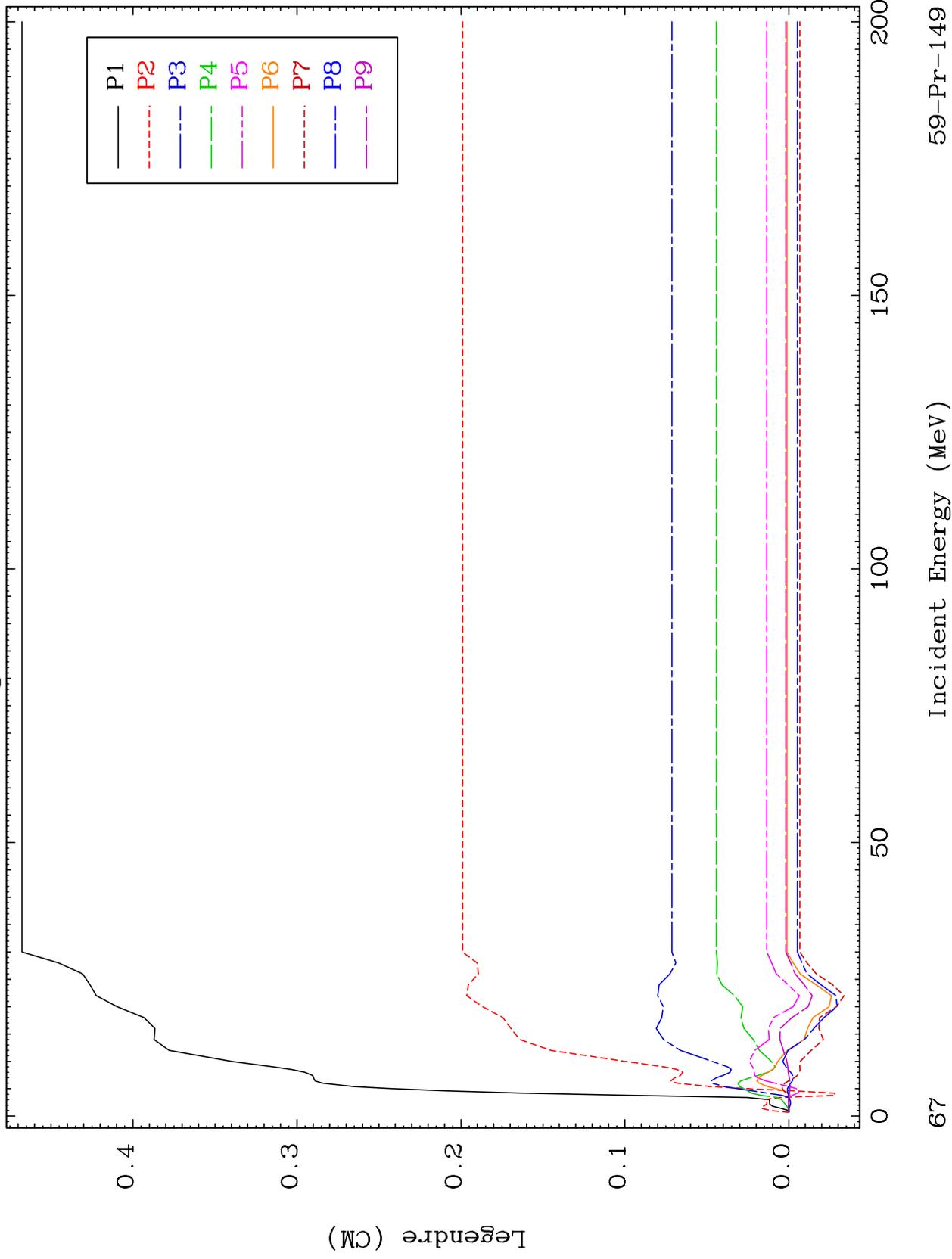
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59-Pr-149

MAT 5949

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

59-Pr-149



59-Pr-149

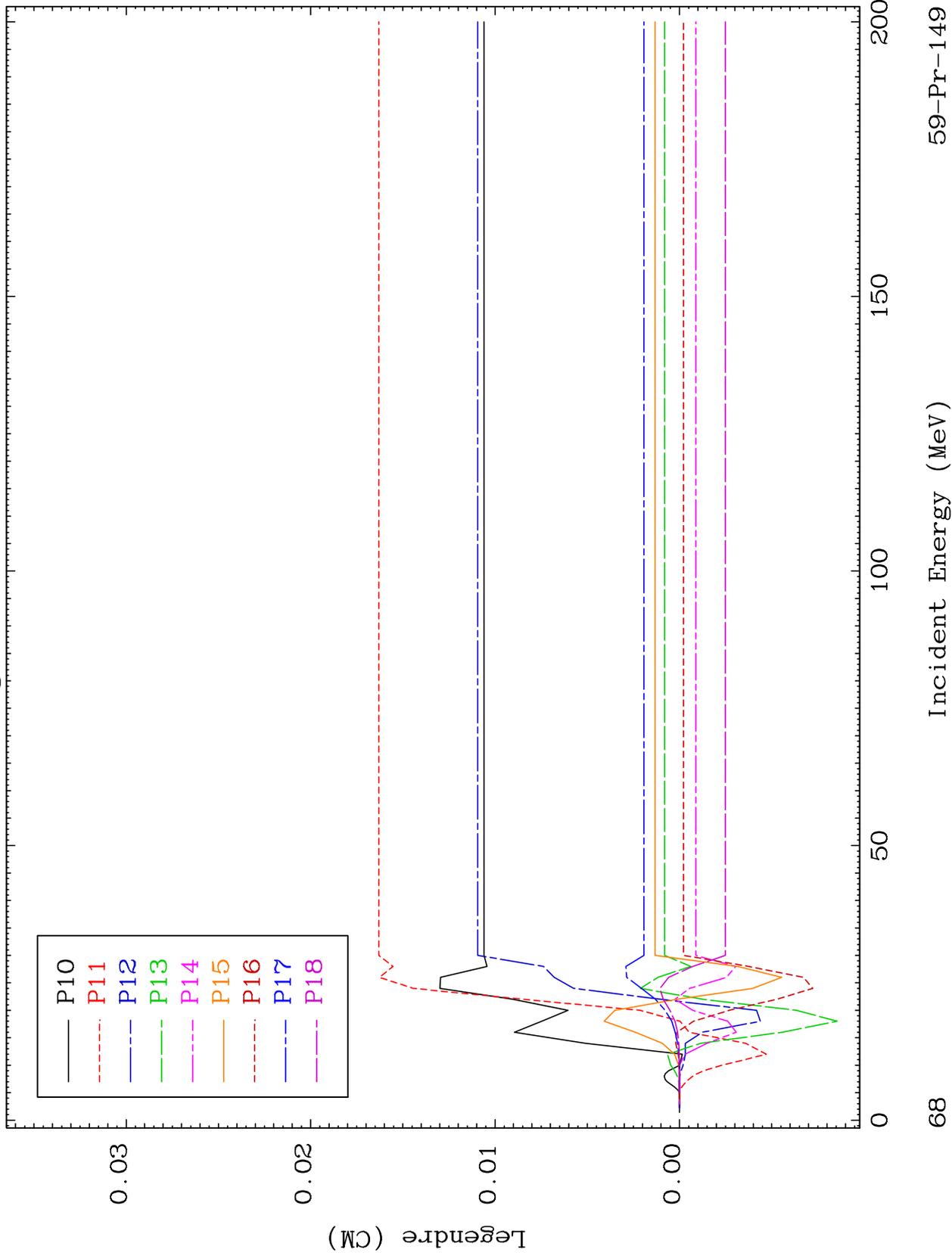
Incident Energy (MeV)

67

MAT 5949

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

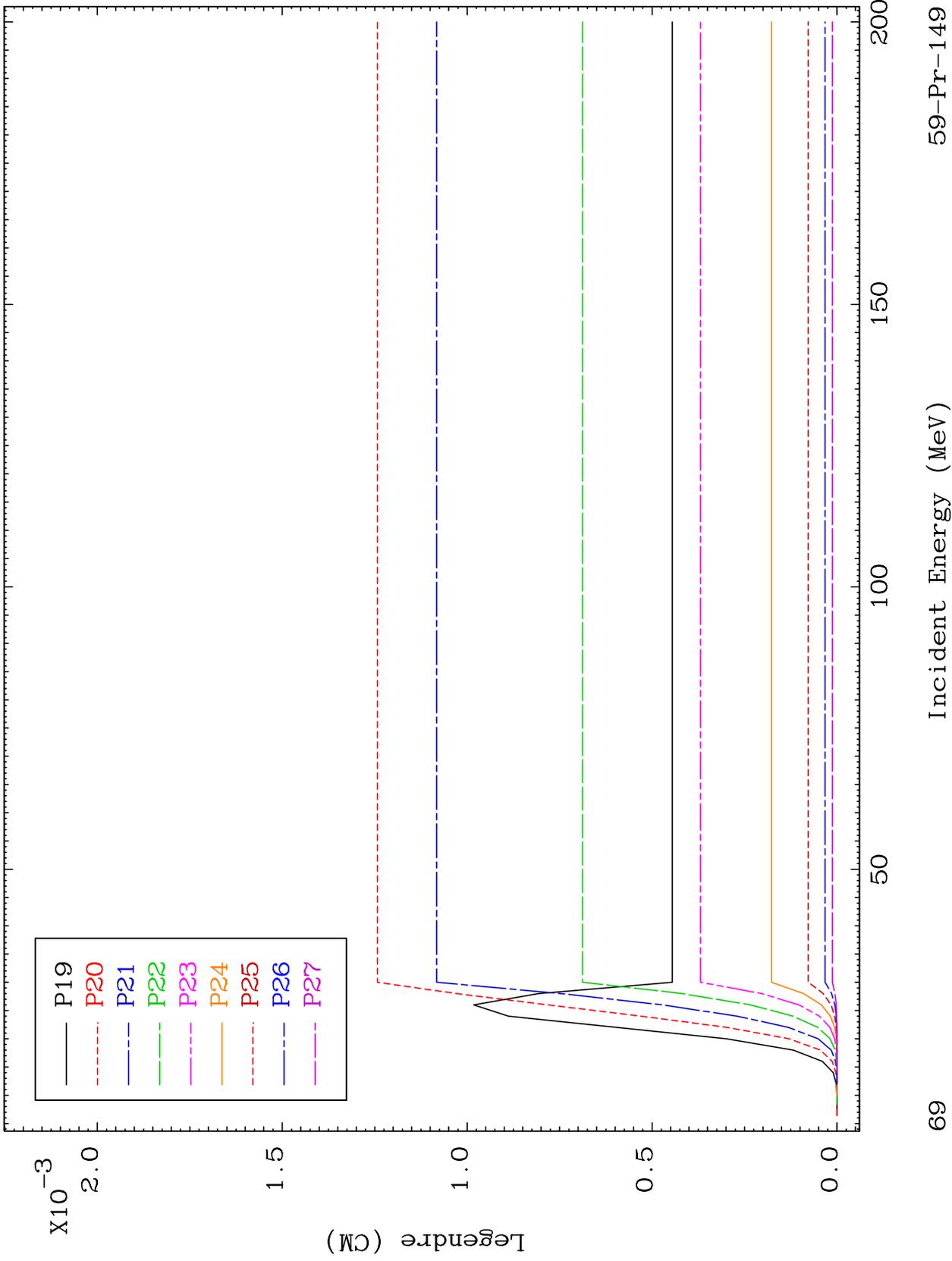
59-Pr-149



59-Pr-149

Incident Energy (MeV)

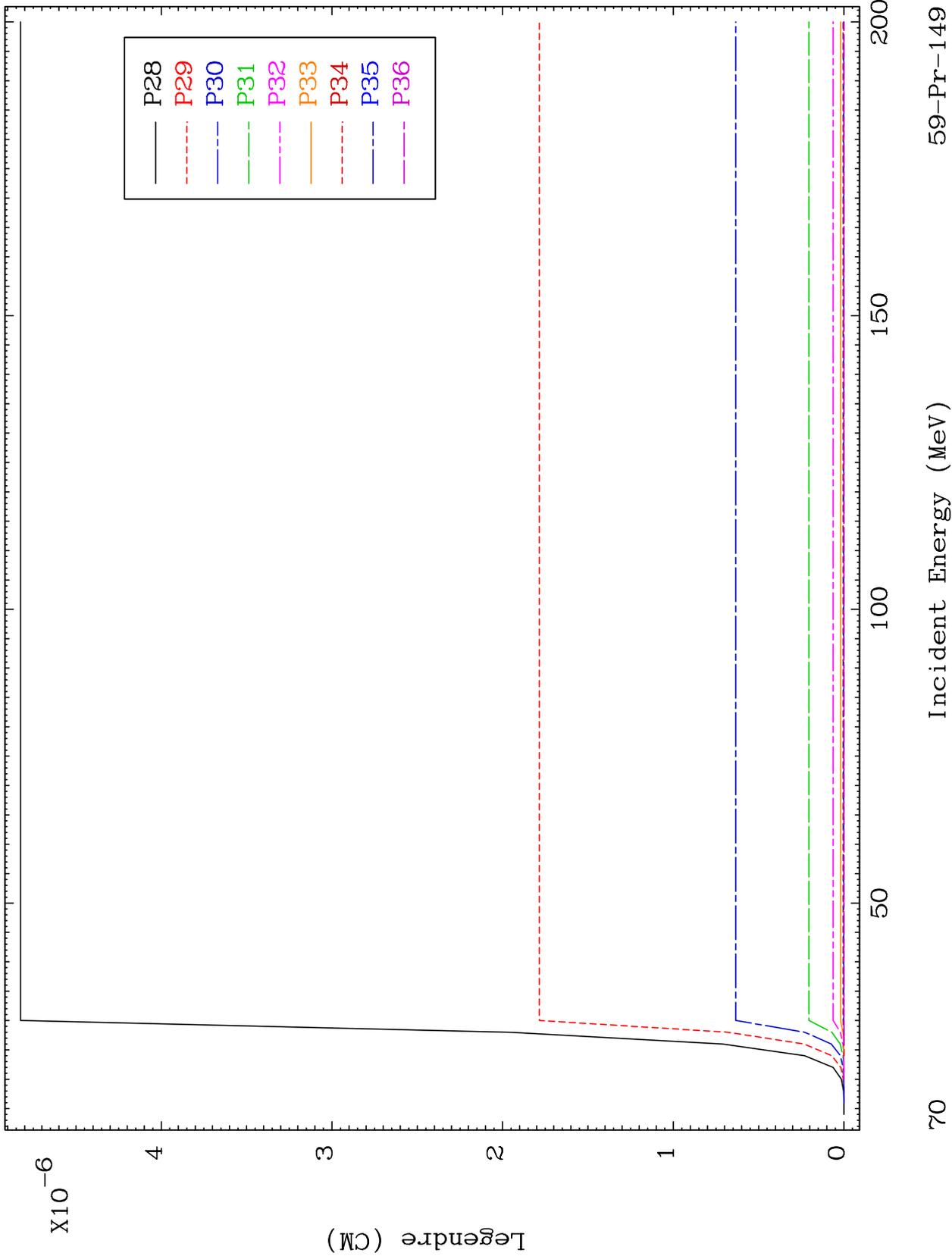
68



MAT 5949

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

59-Pr-149



59-Pr-149

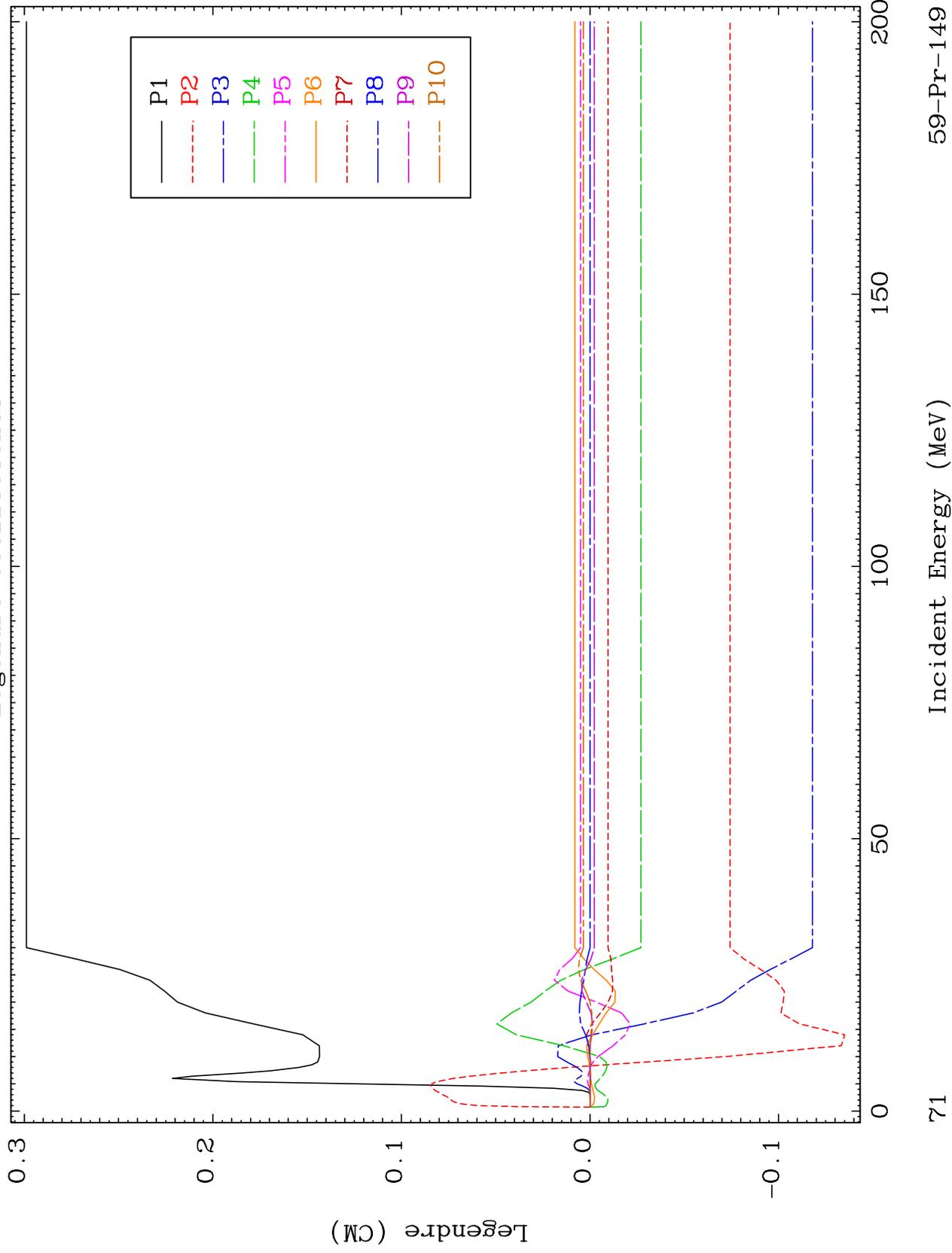
Incident Energy (MeV)

70

MAT 5949

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

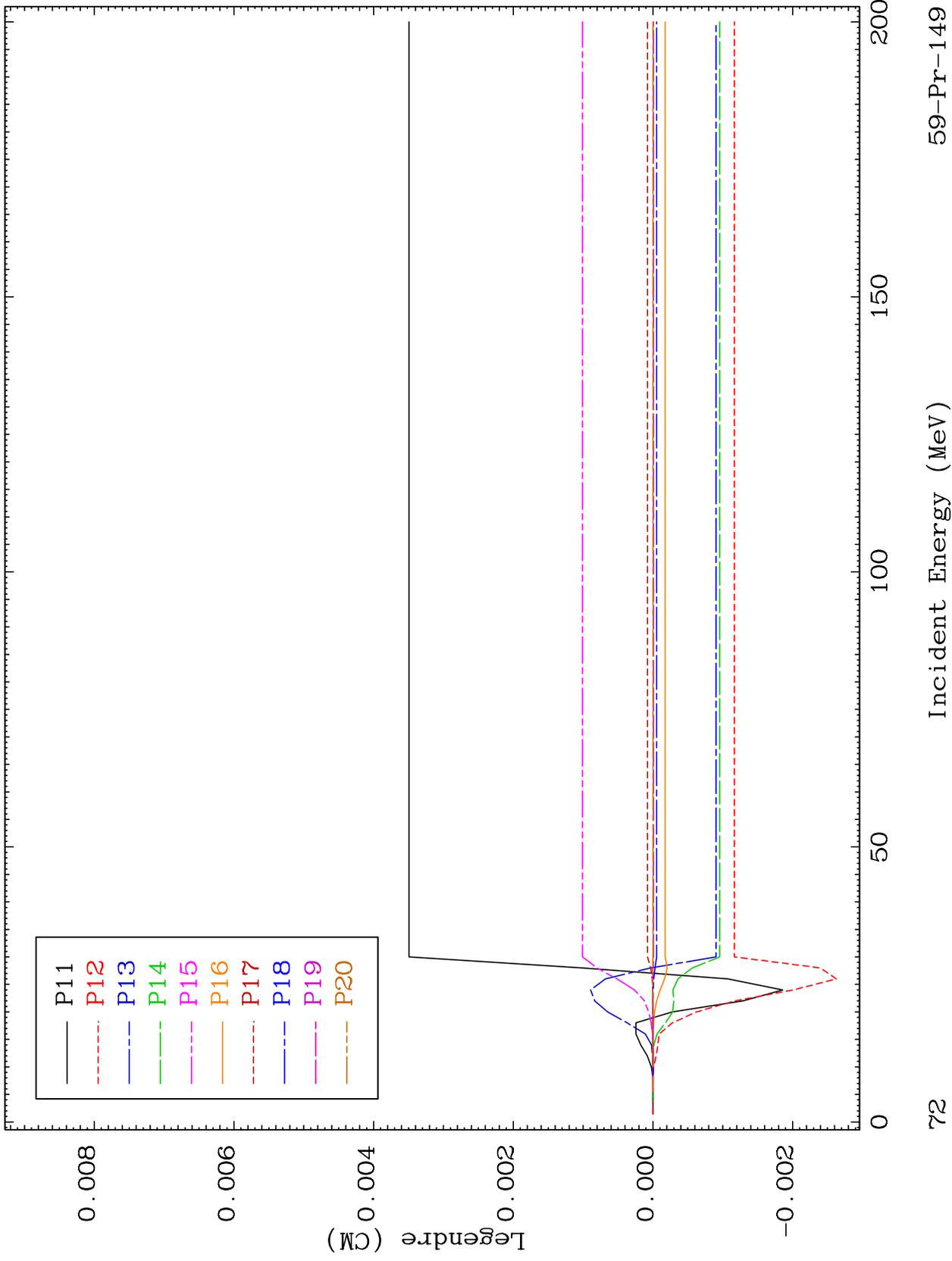
59-Pr-149



59-Pr-149

Incident Energy (MeV)

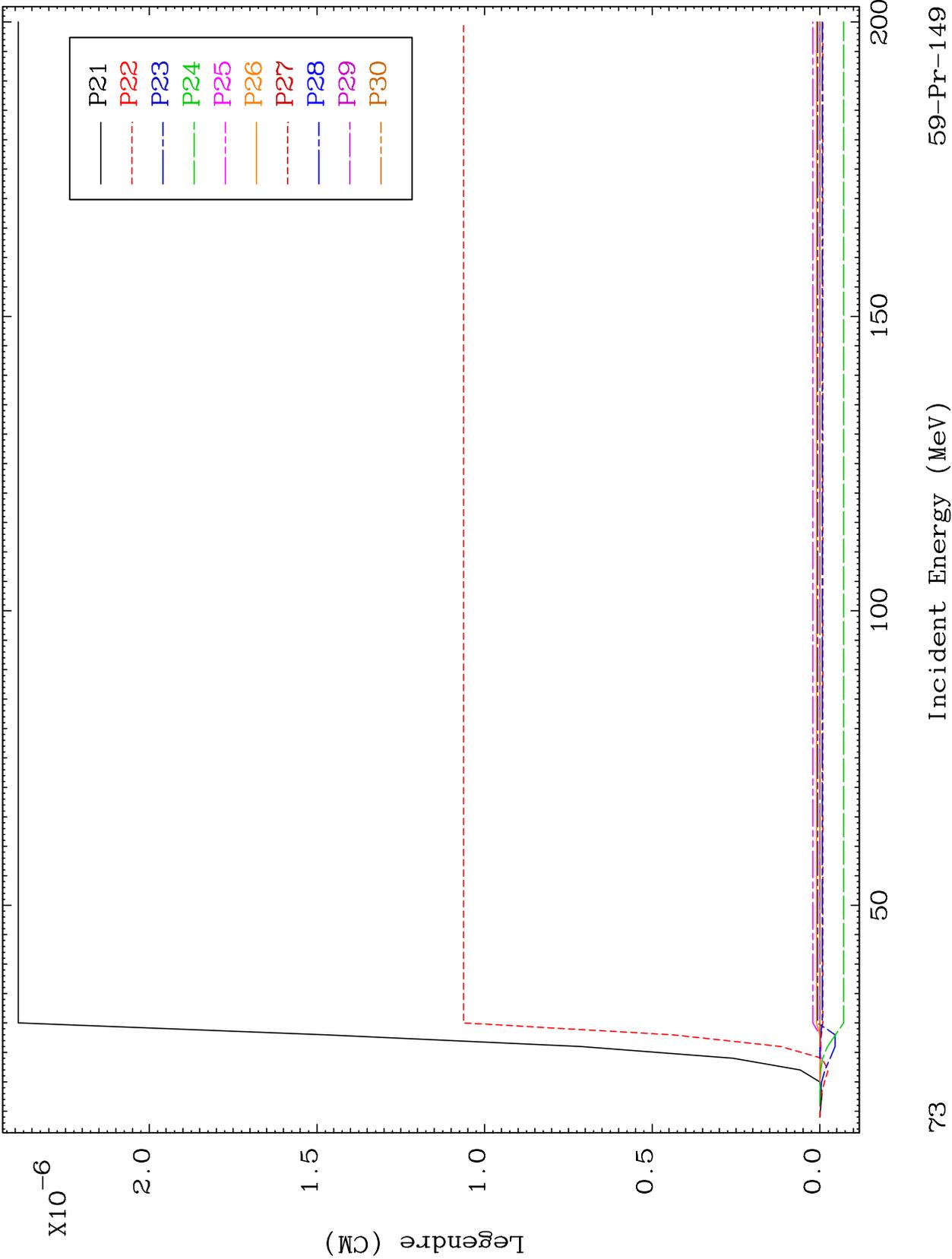
71



MAT 5949

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

59-Pr-149



73

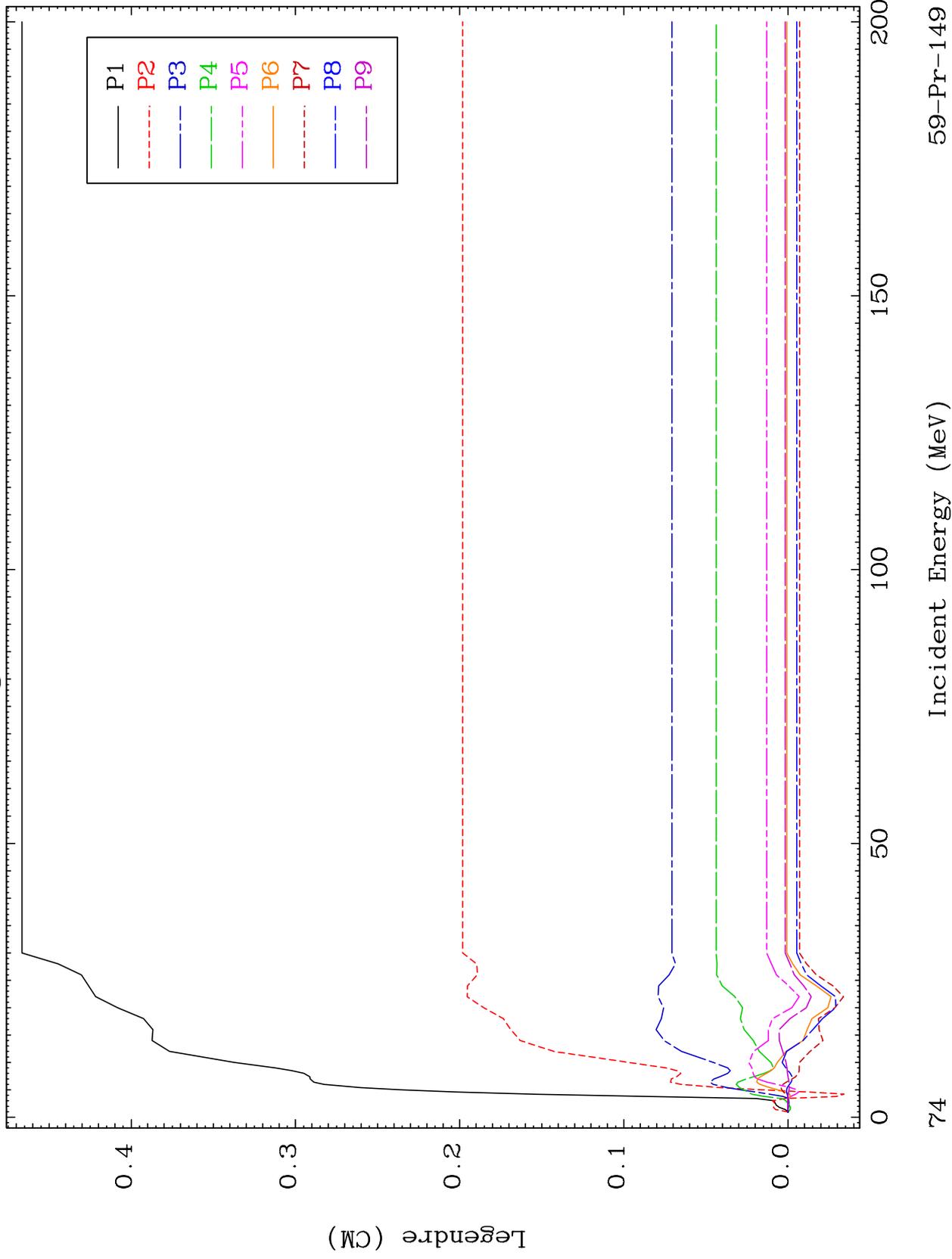
Incident Energy (MeV)

59-Pr-149

MAT 5949

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

59-Pr-149



59-Pr-149

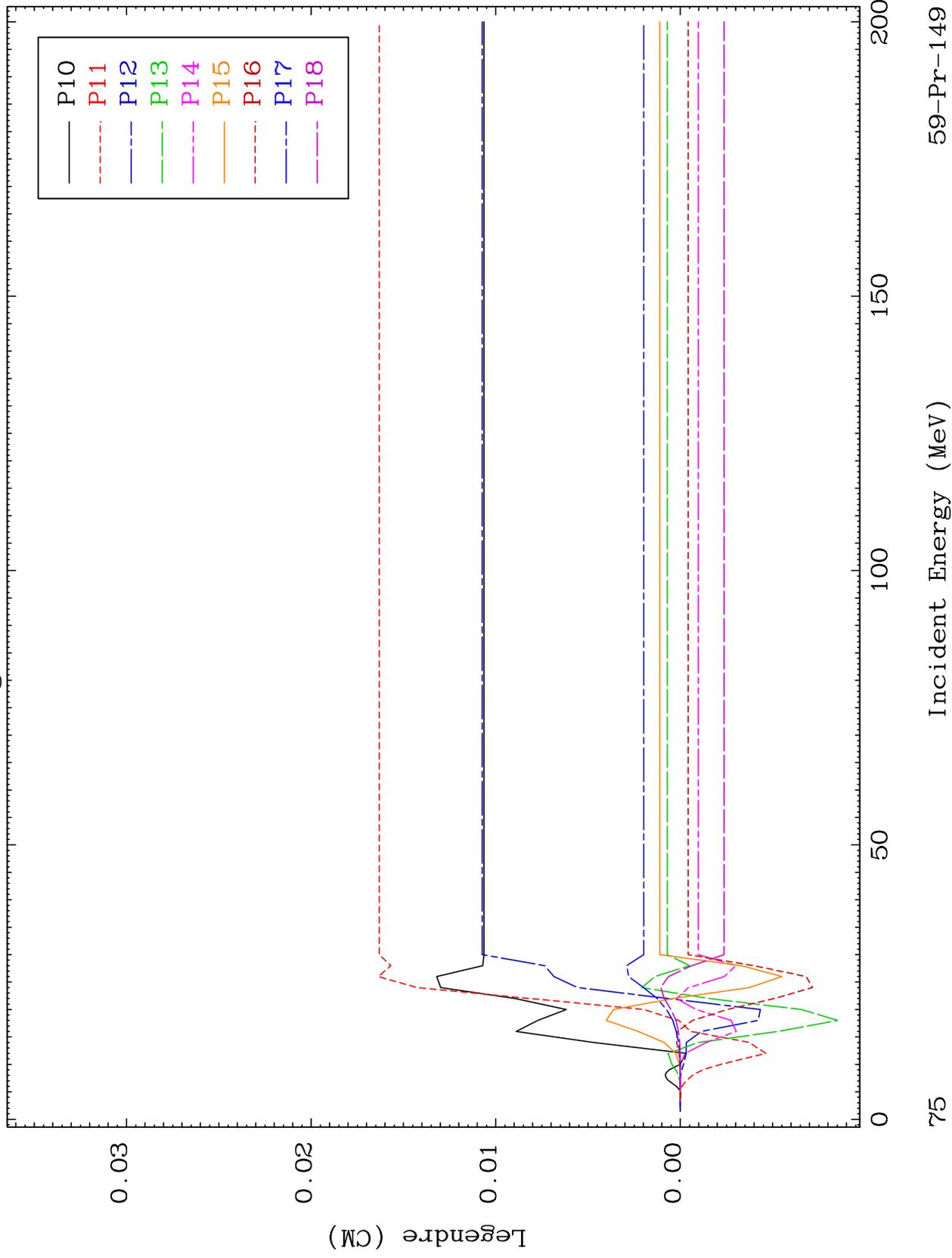
Incident Energy (MeV)

74

MAT 5949

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

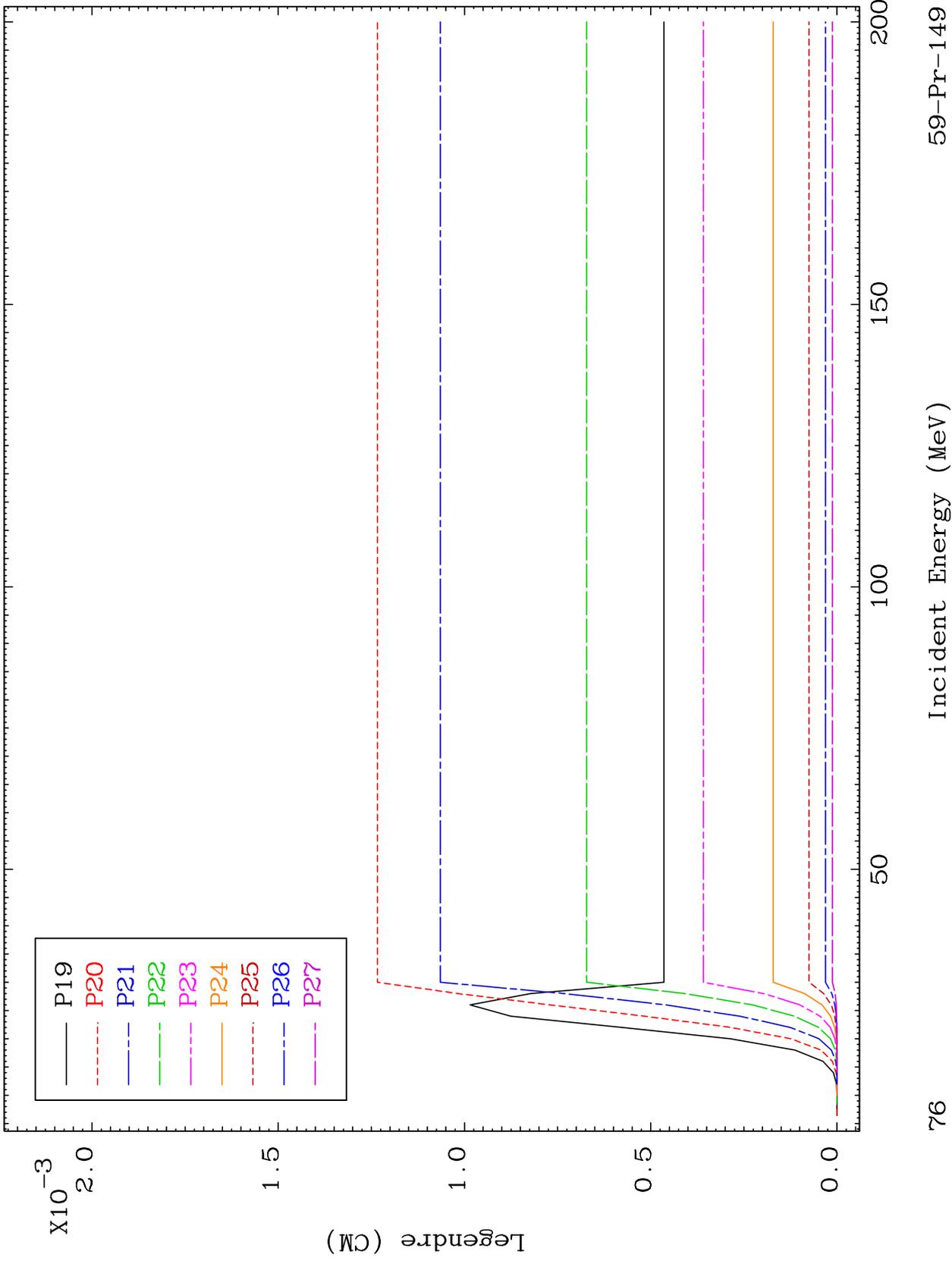
59-Pr-149



59-Pr-149

Incident Energy (MeV)

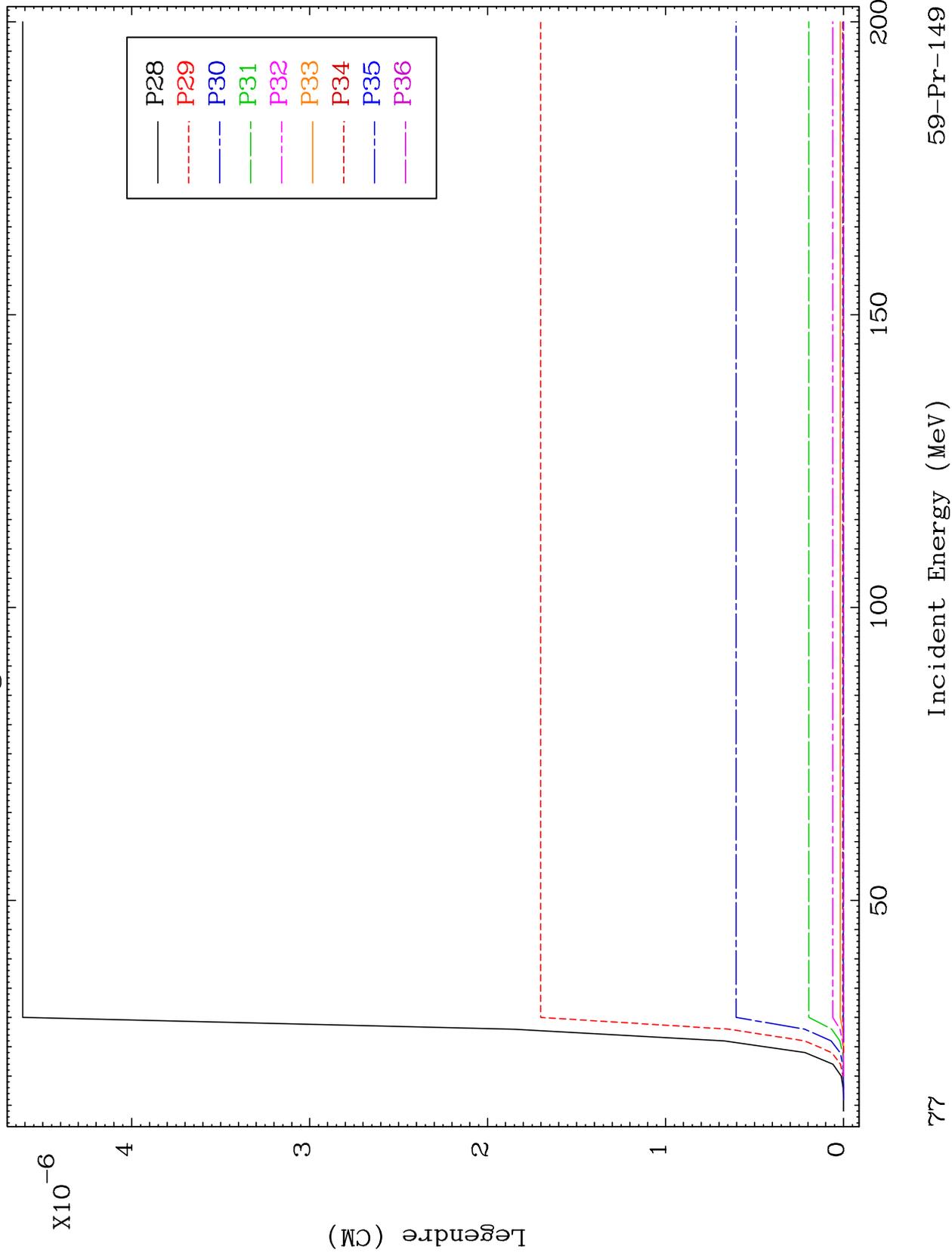
75



MAT 5949

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

59-Pr-149



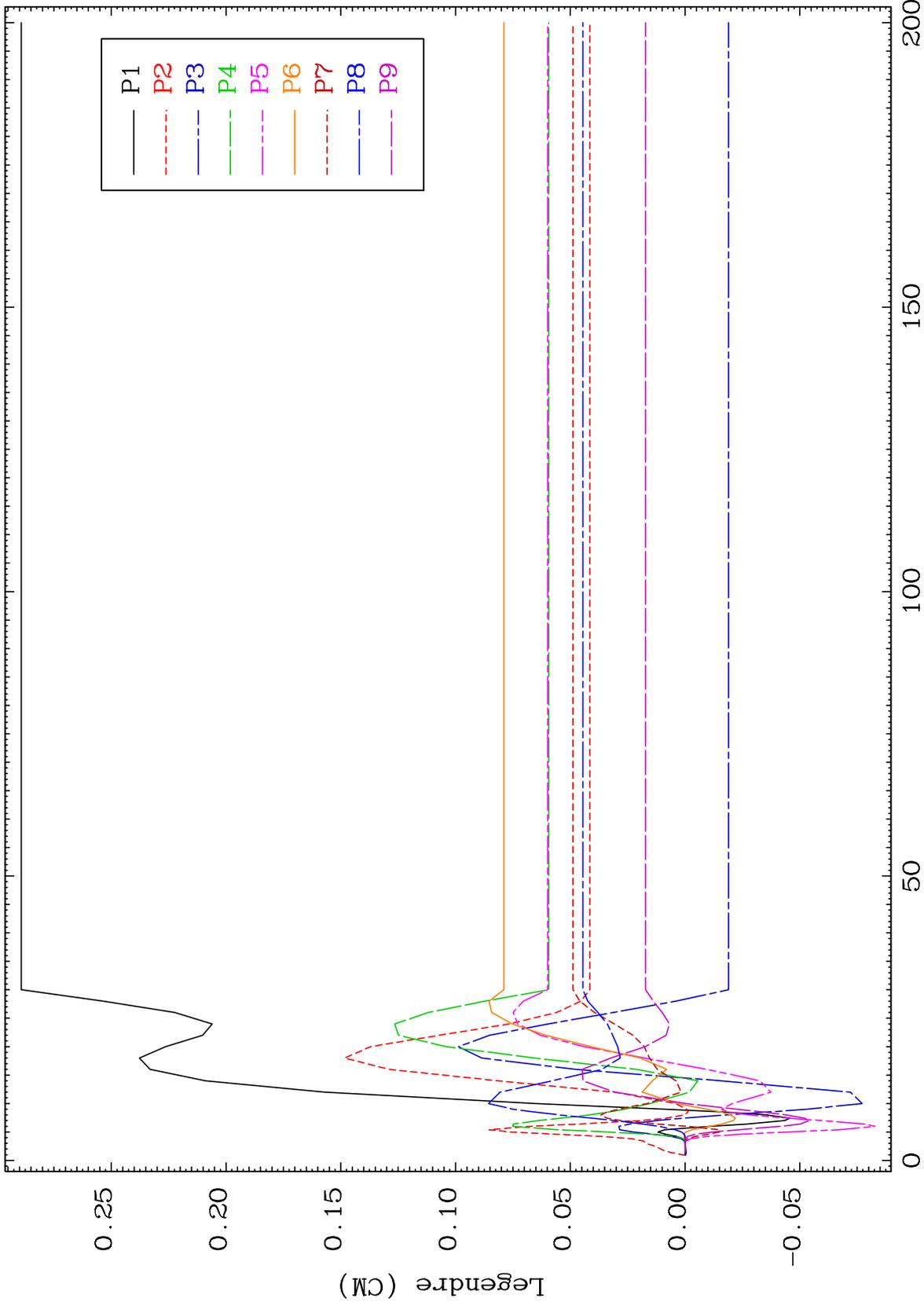
77

59-Pr-149

MAT 5949

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

59-Pr-149



78

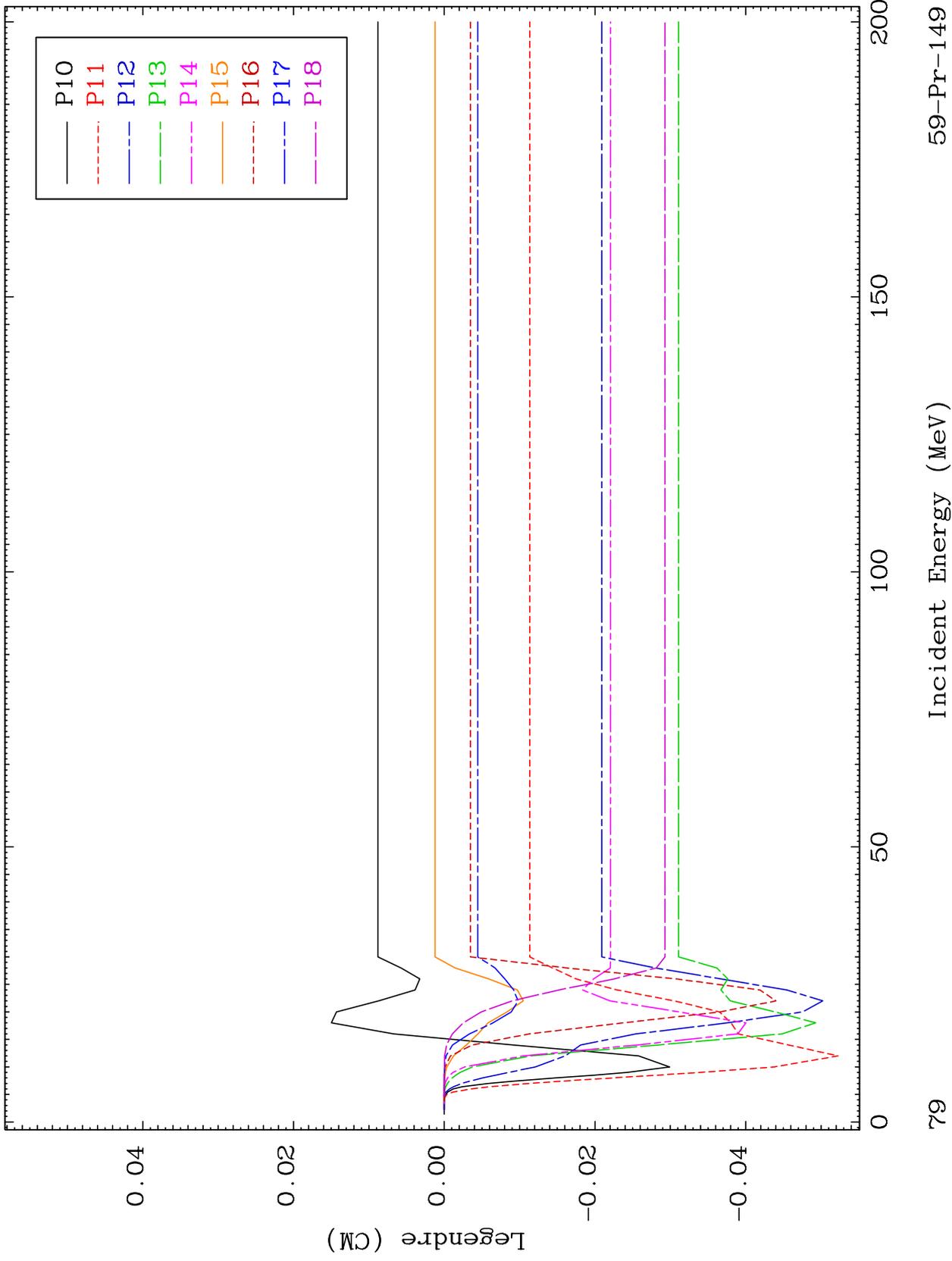
Incident Energy (MeV)

59-Pr-149

MAT 5949

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

59-Pr-149



59-Pr-149

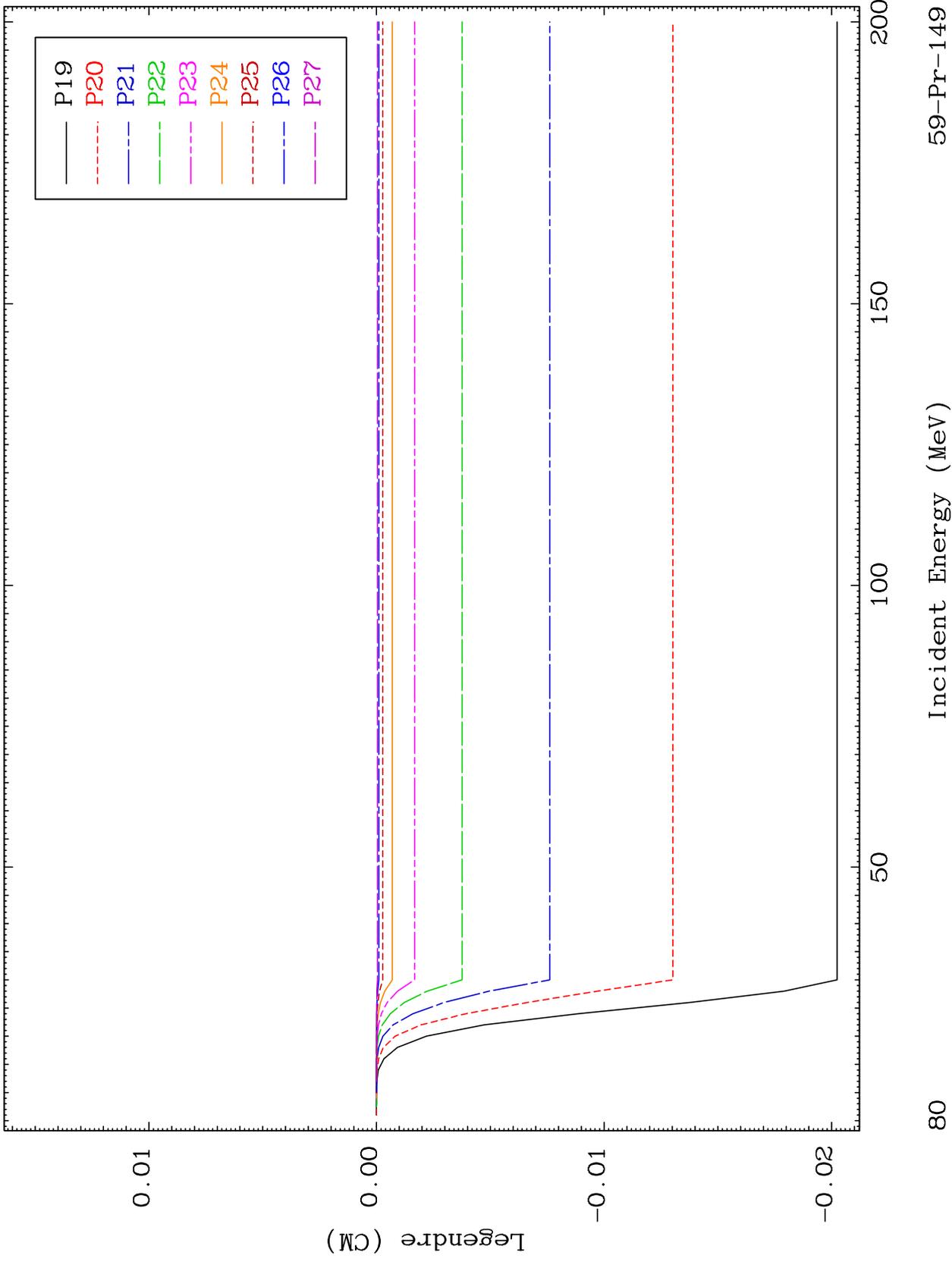
Incident Energy (MeV)

79

MAT 5949

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

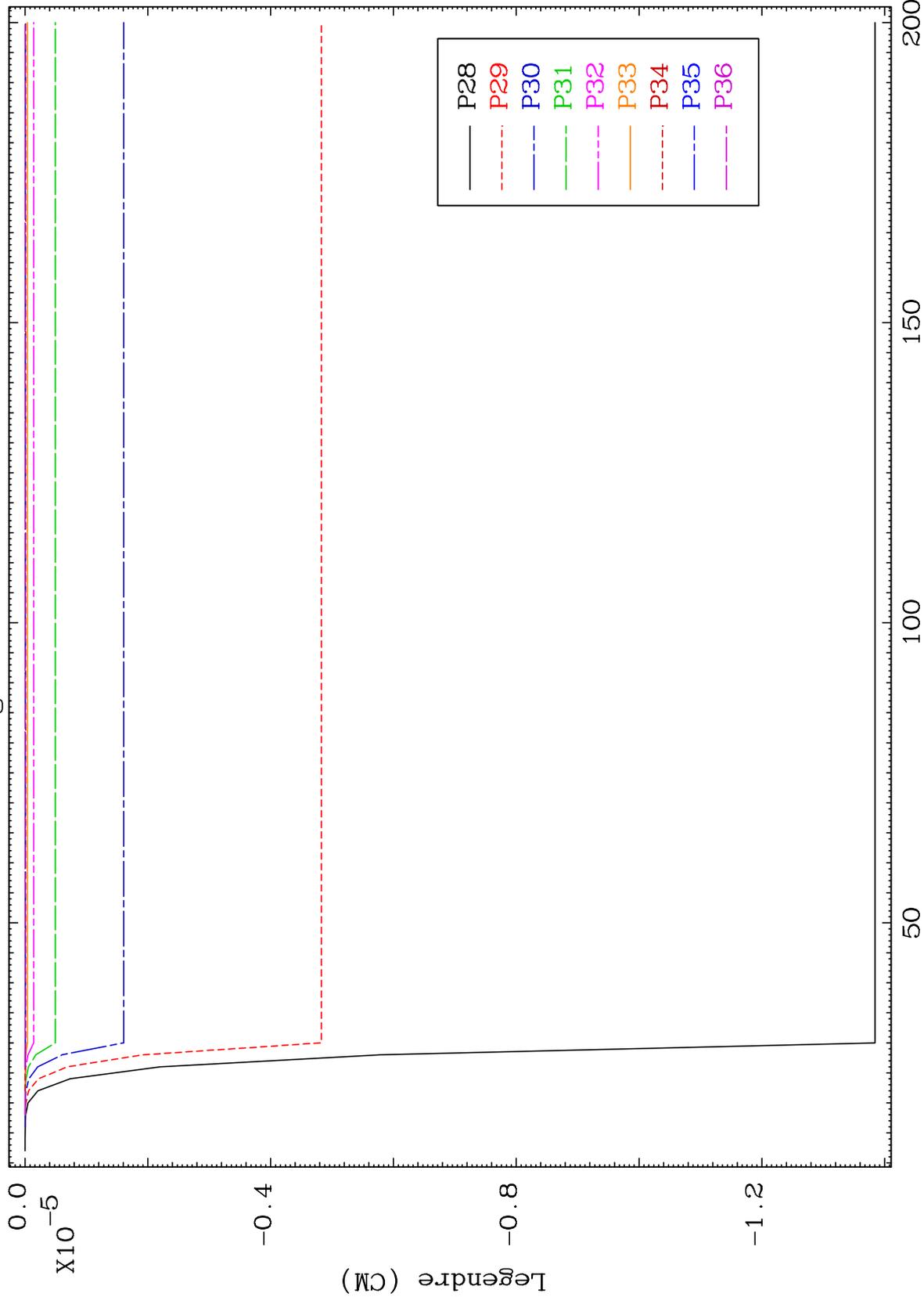
59-Pr-149



MAT 5949

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

59-Pr-149



81

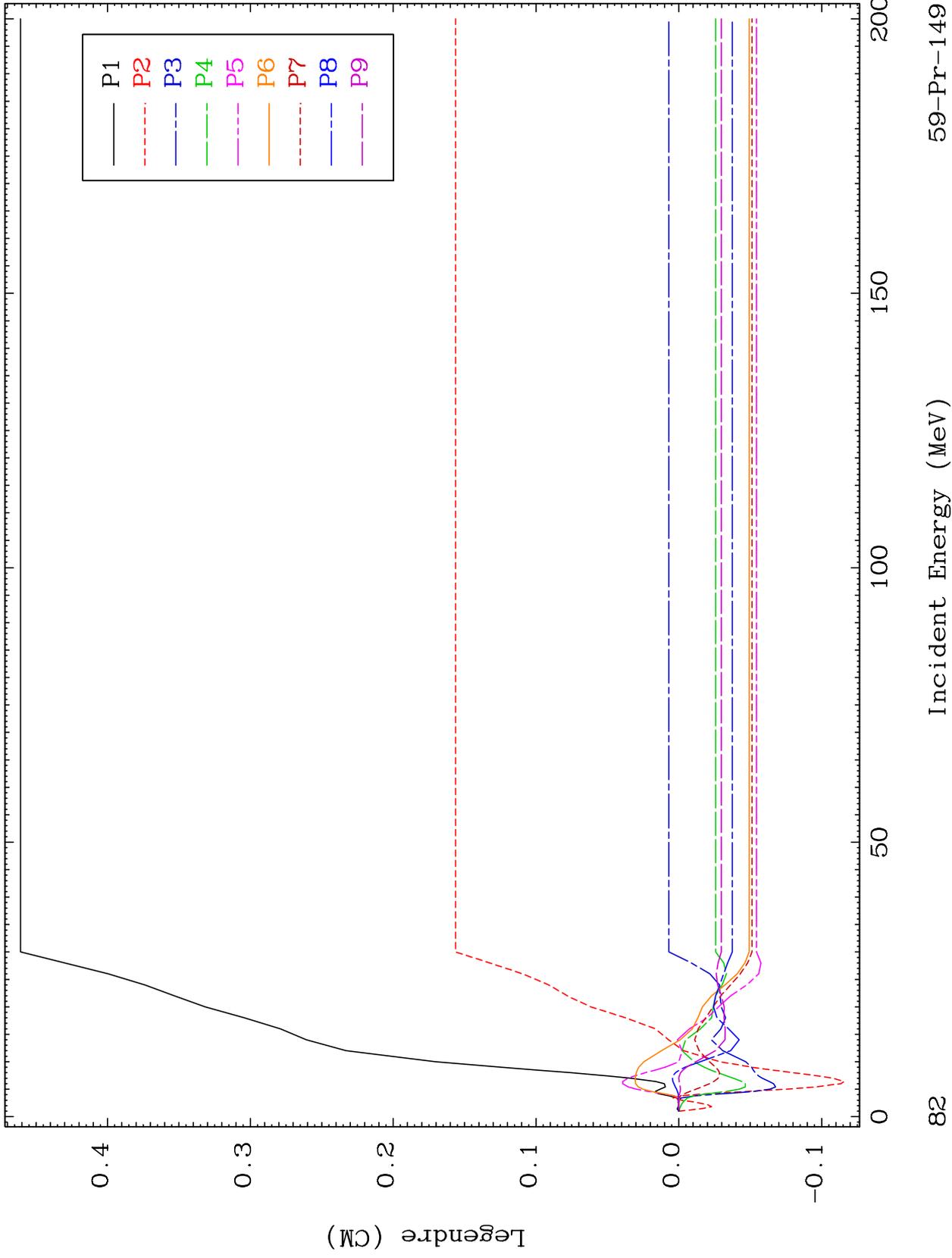
Incident Energy (MeV)

59-Pr-149

MAT 5949

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

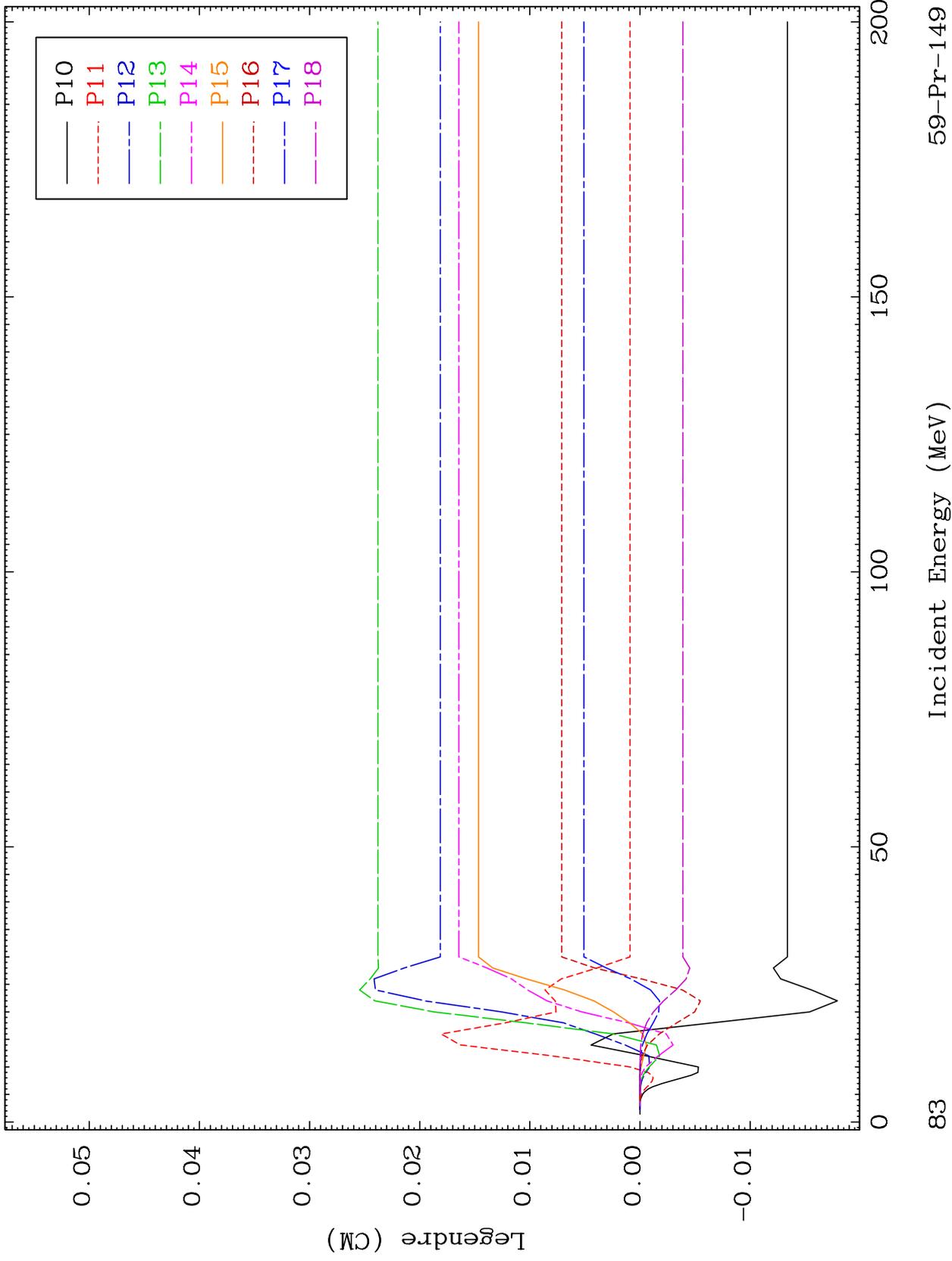
59-Pr-149



MAT 5949

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

59-Pr-149



83

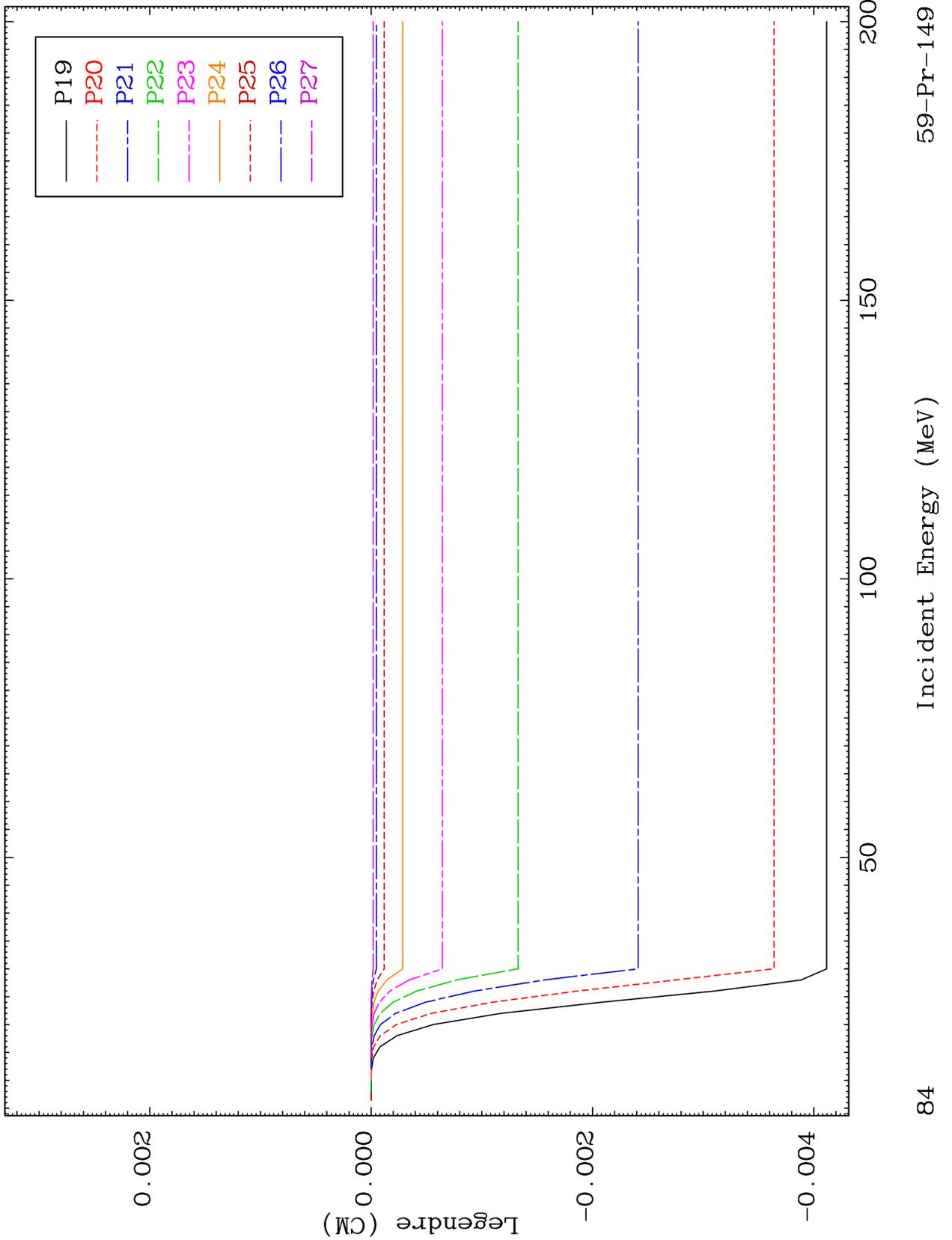
Incident Energy (MeV)

59-Pr-149

MAT 5949

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

59-Pr-149



84

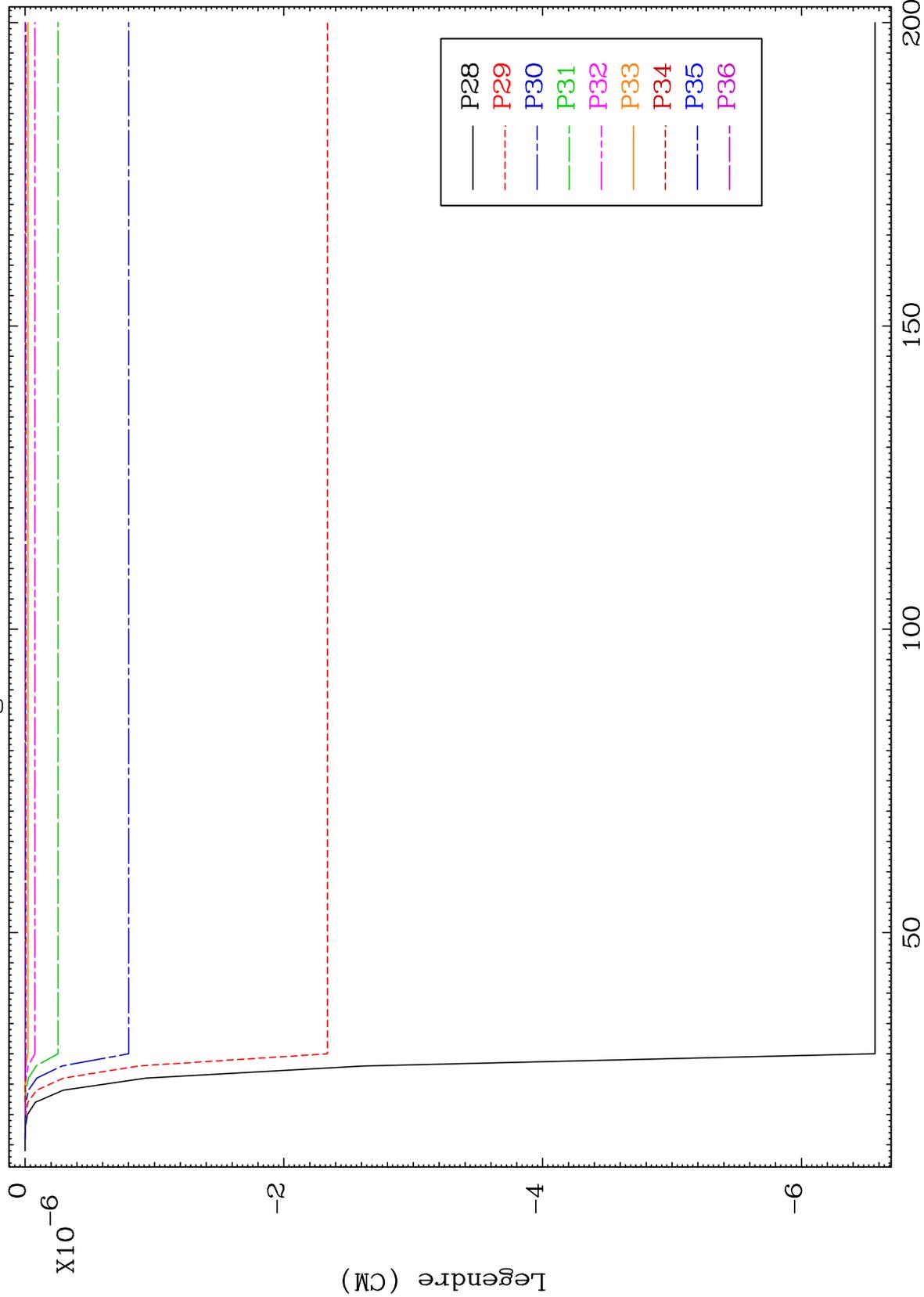
Incident Energy (MeV)

59-Pr-149

MAT 5949

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

59-Pr-149



85

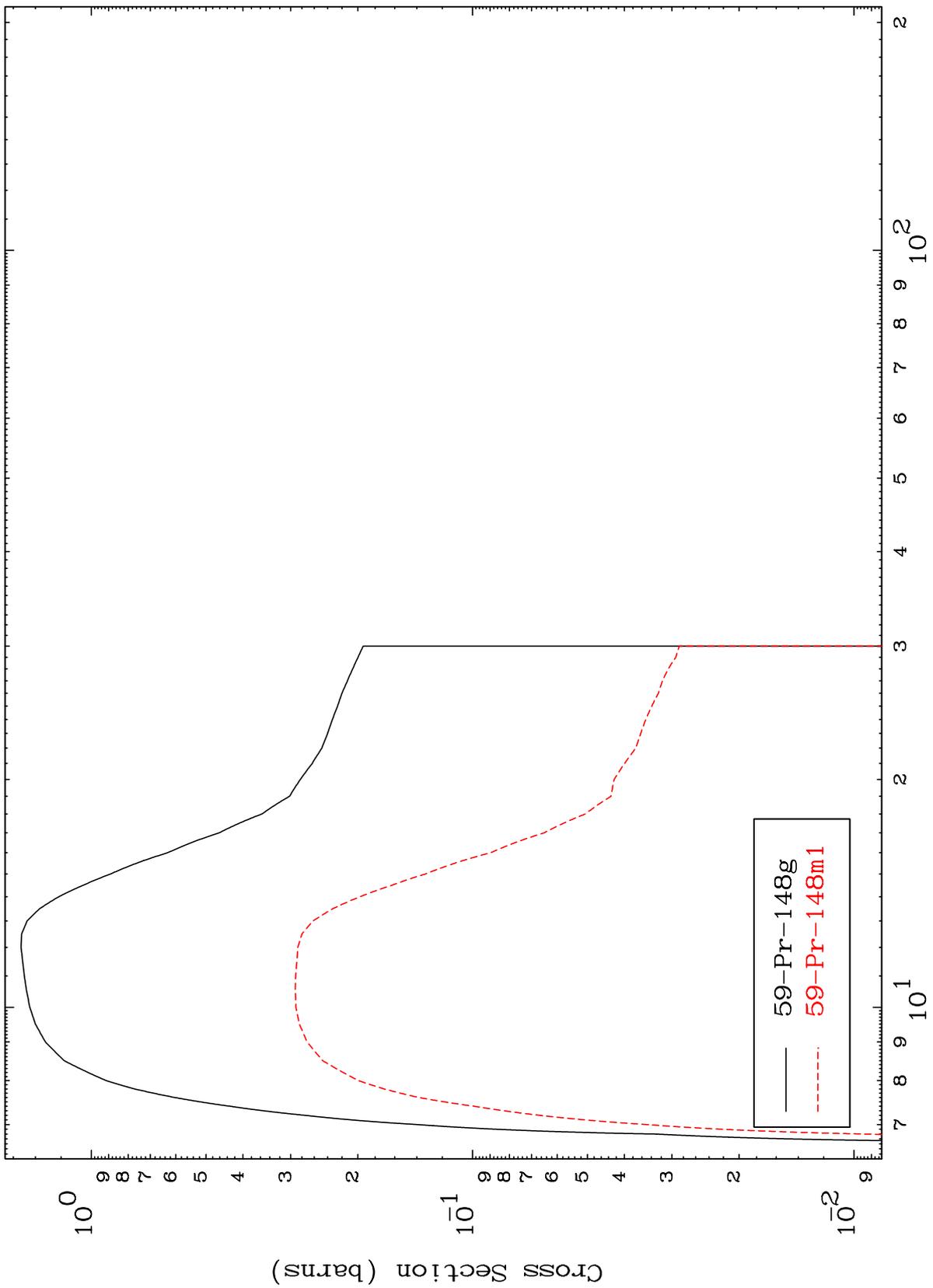
Incident Energy (MeV)

59-Pr-149

MAT 5949

59-Pr-149

(n,2n)
Radionuclide Production Cross Section



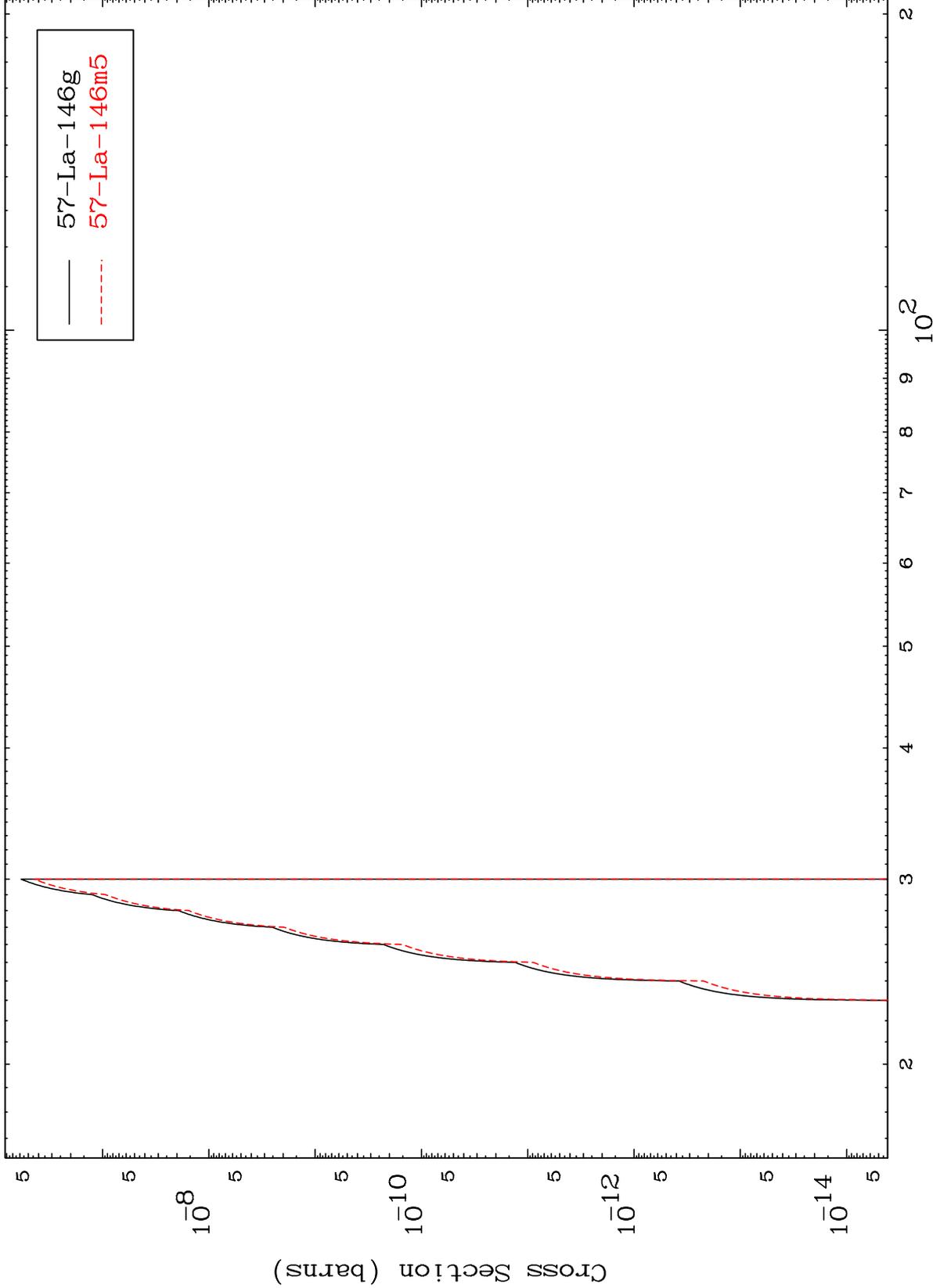
— 59-Pr-148g
- - - 59-Pr-148m1

86

59-Pr-149

Incident Energy (MeV)

Radionuclide Production Cross Section



MAT 5949

(n, α)

59-Pr-149

Radionuclide Production Cross Section

