

Program EVALPLOT
(Version 2017-1)

by

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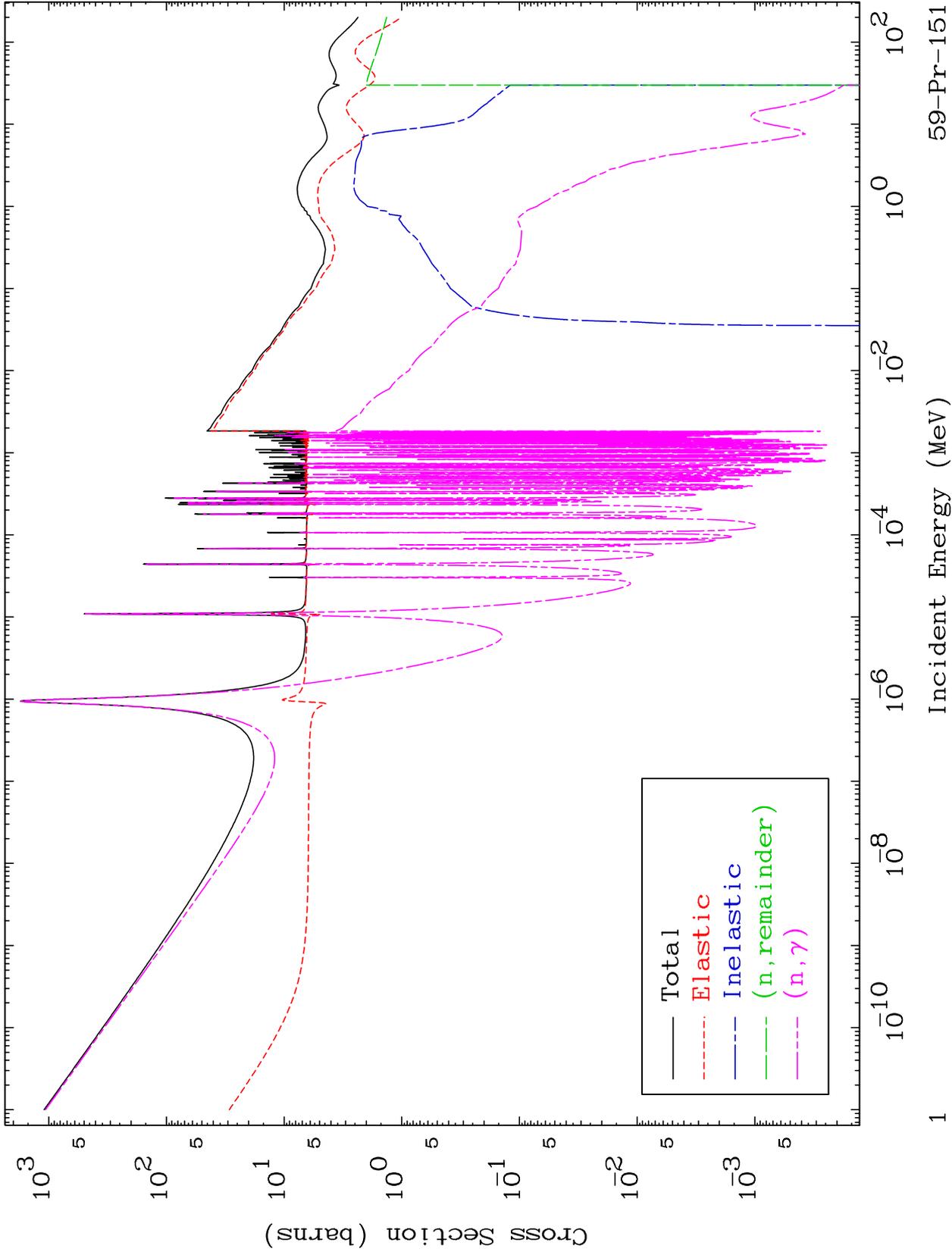
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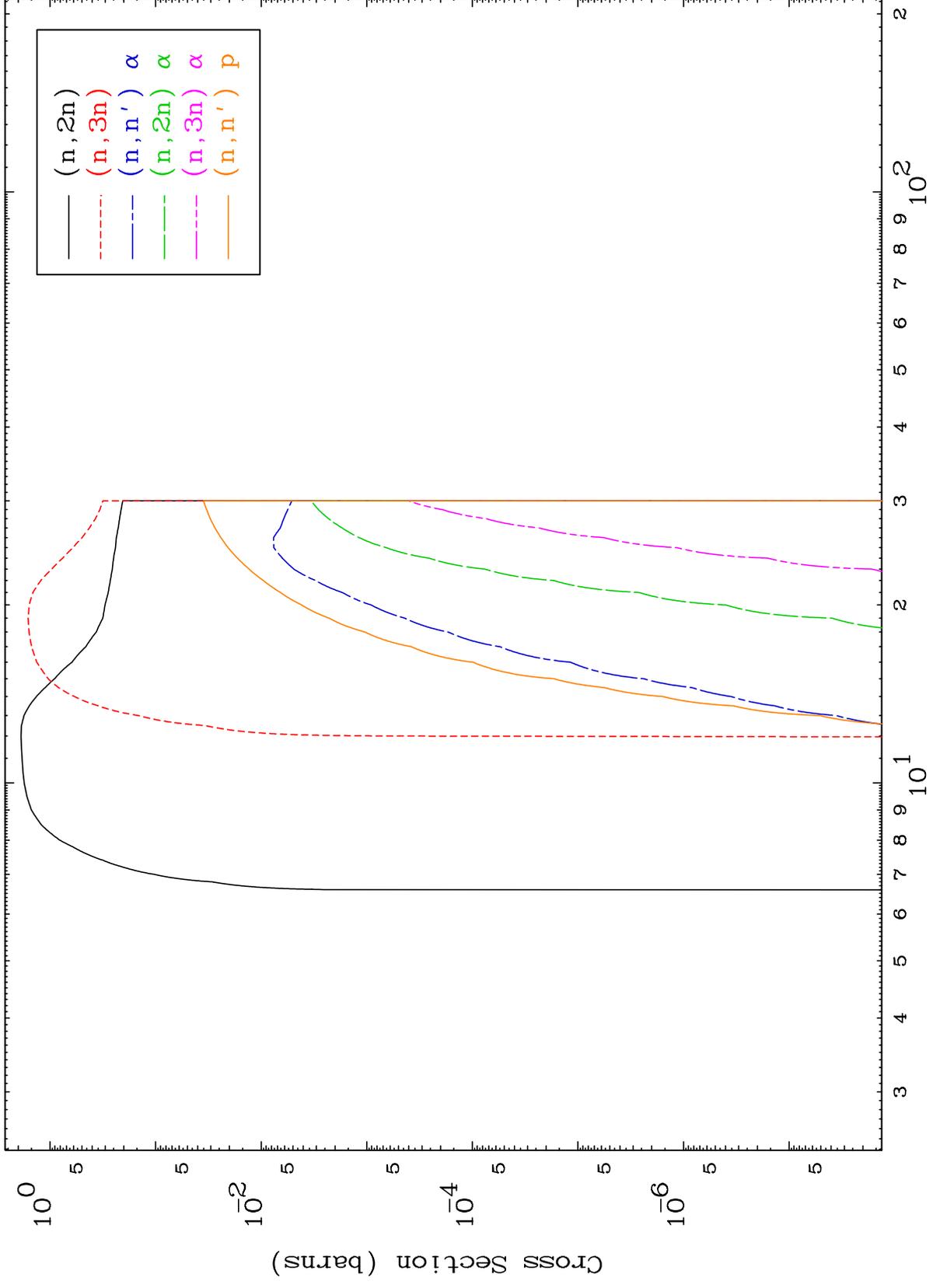
MAT 5955

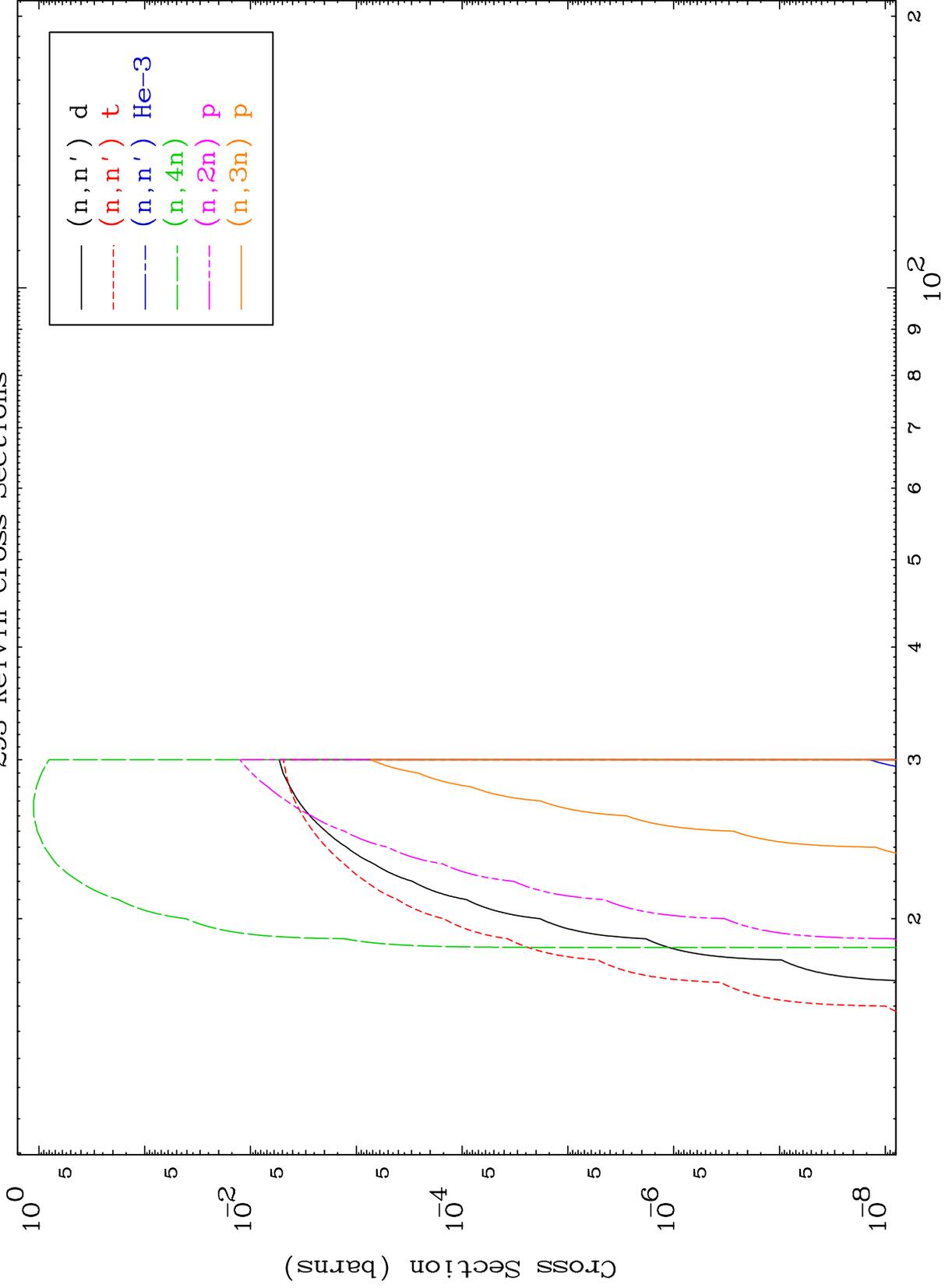
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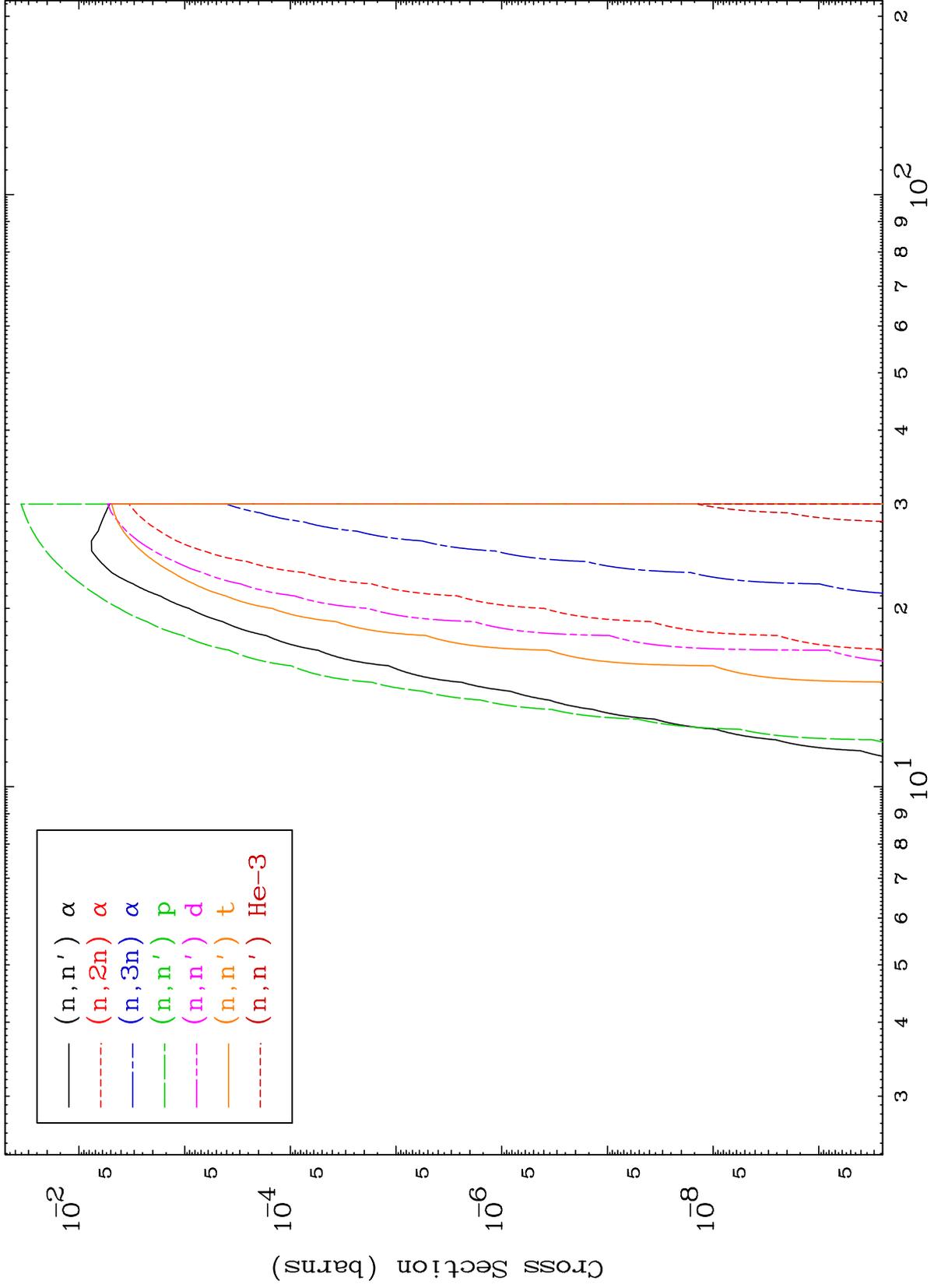
293 Kelvin Cross Sections

59-Pr-151





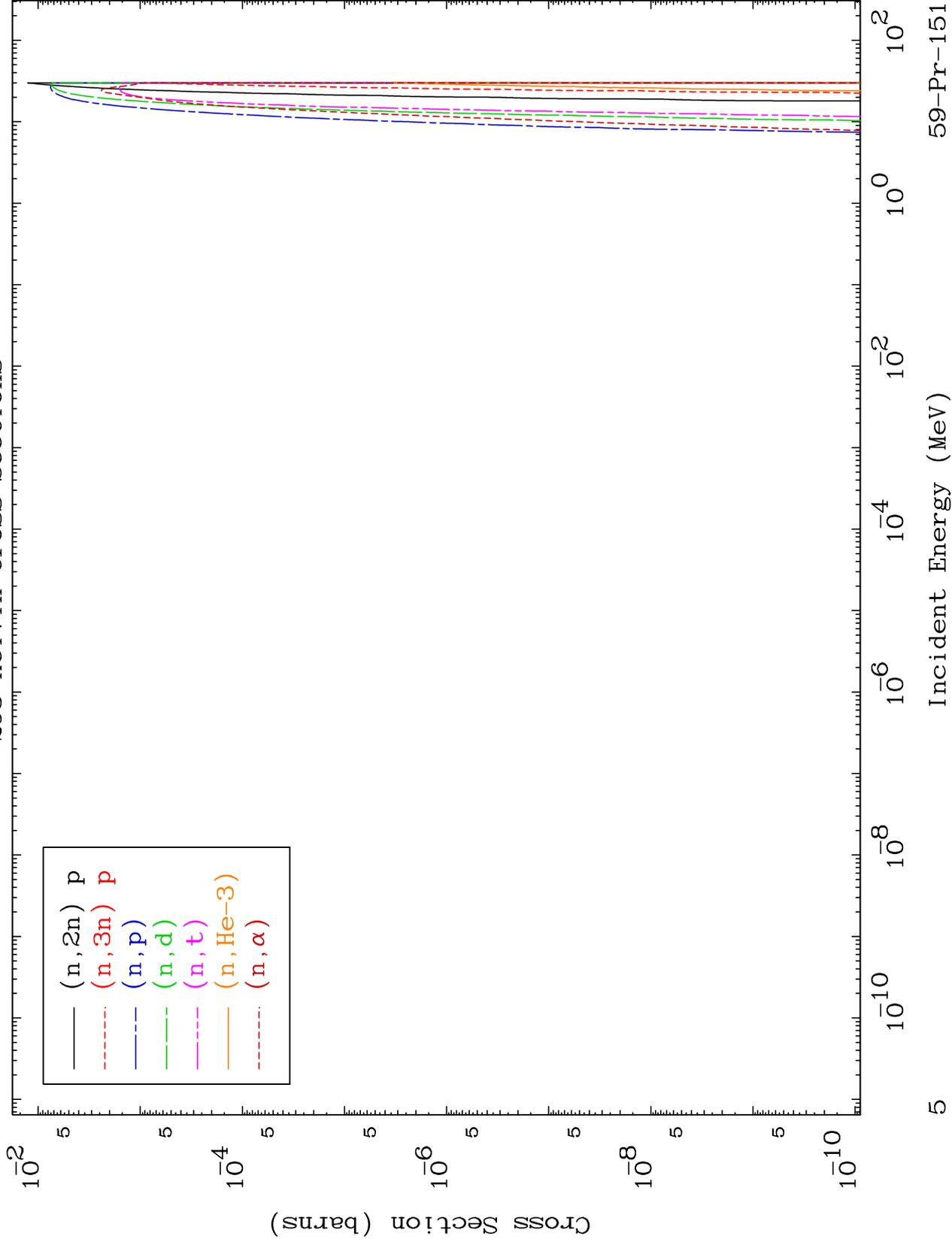




MAT 5955

Charged Particle
293 Kelvin Cross Sections

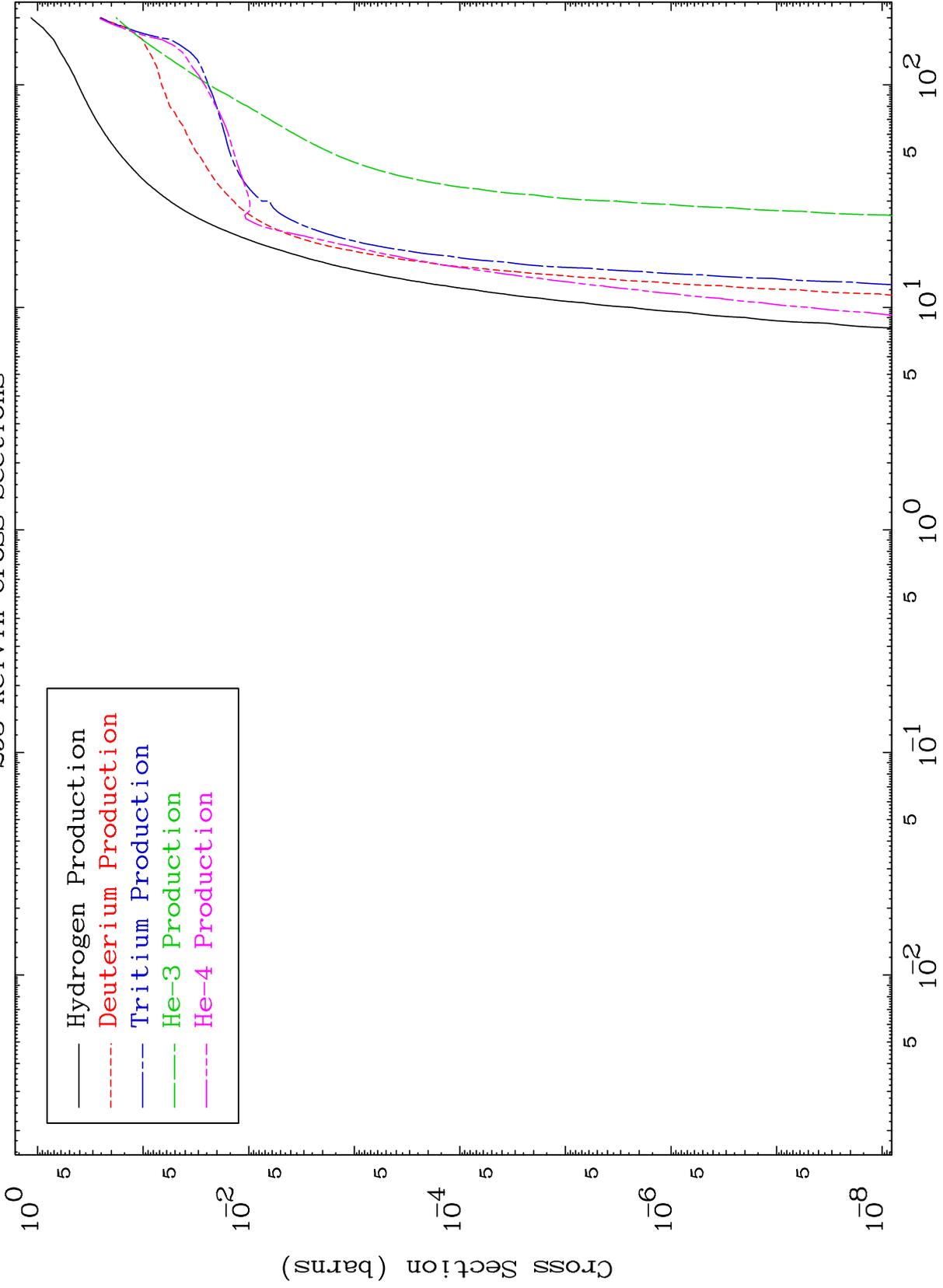
59-Pr-151



MAT 5955

Particle Production
293 Kelvin Cross Sections

59-Pr-151

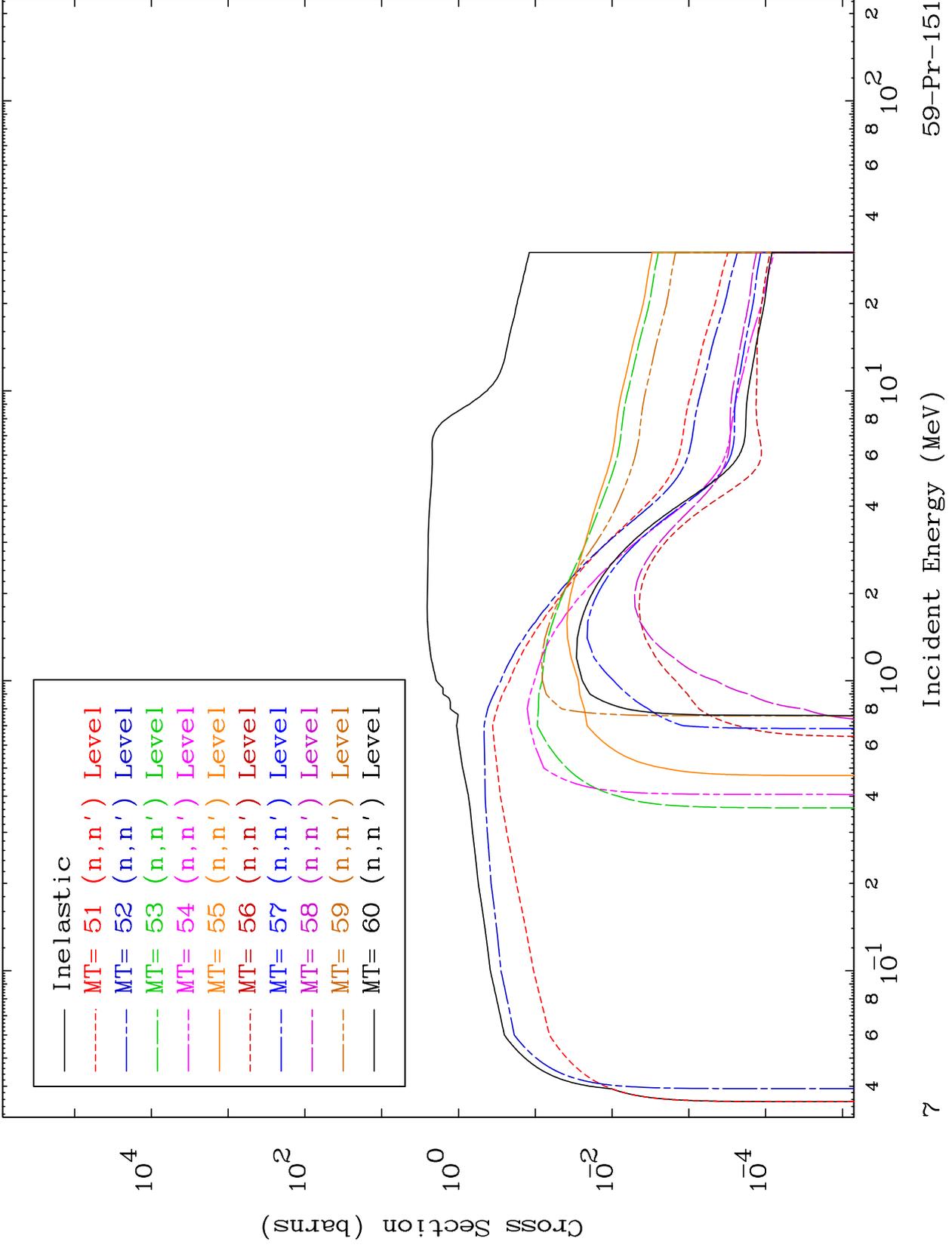


6

Incident Energy (MeV)

59-Pr-151

293 Kelvin Cross Sections

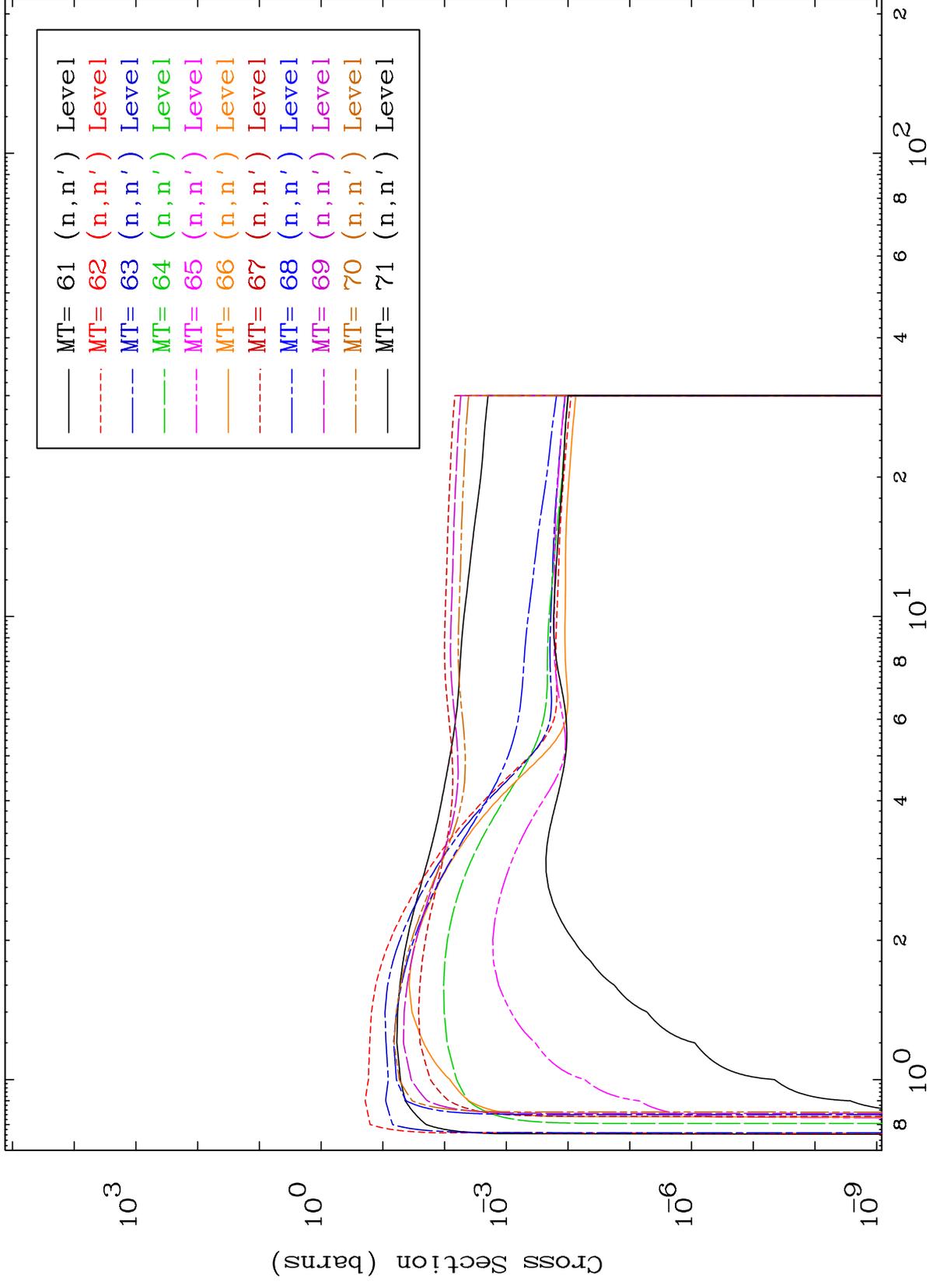


MAT 5955

(n,n') Level

59-Pr-151

293 Kelvin Cross Sections

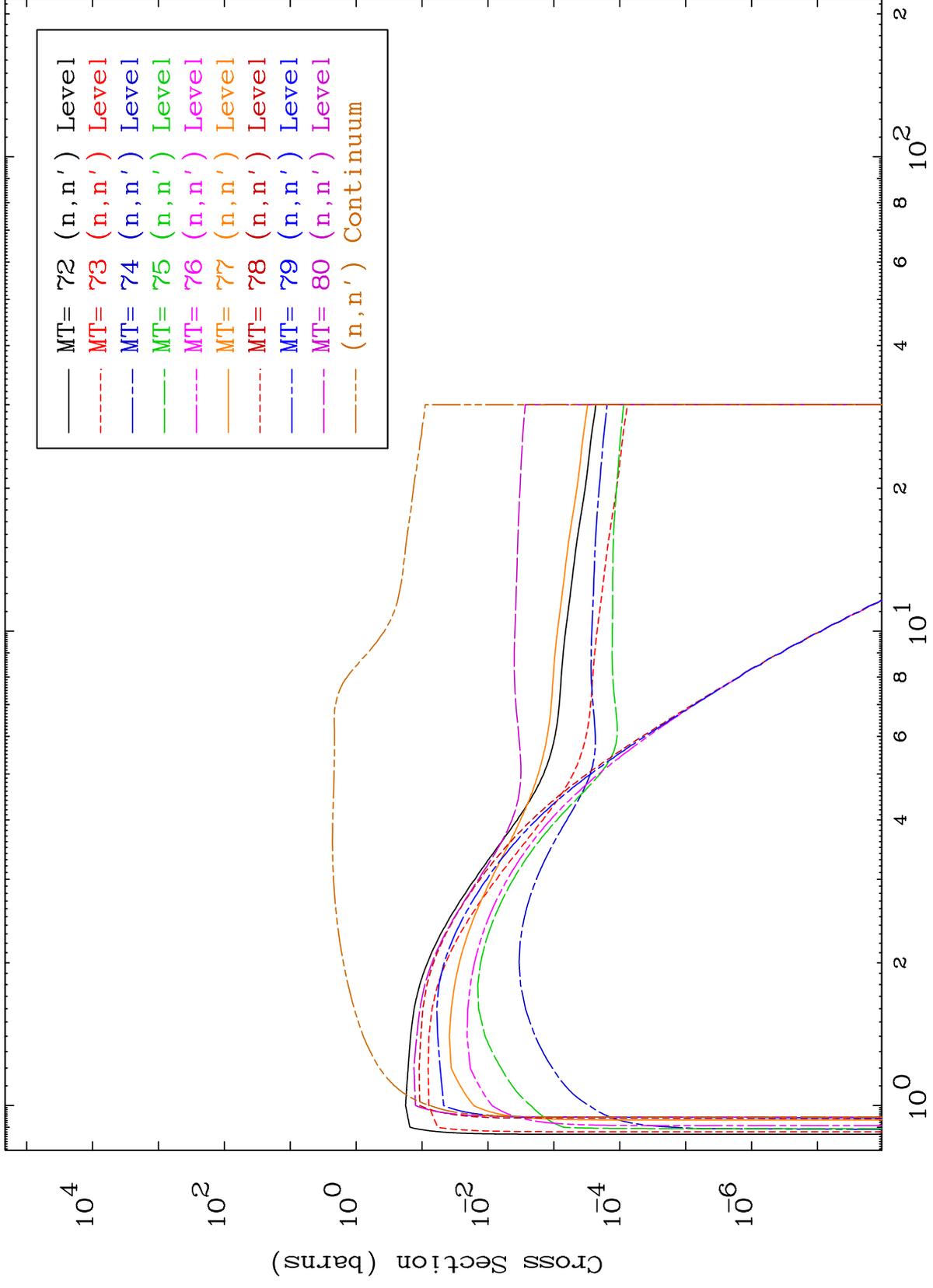


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Incident Energy (MeV)

59-Pr-151

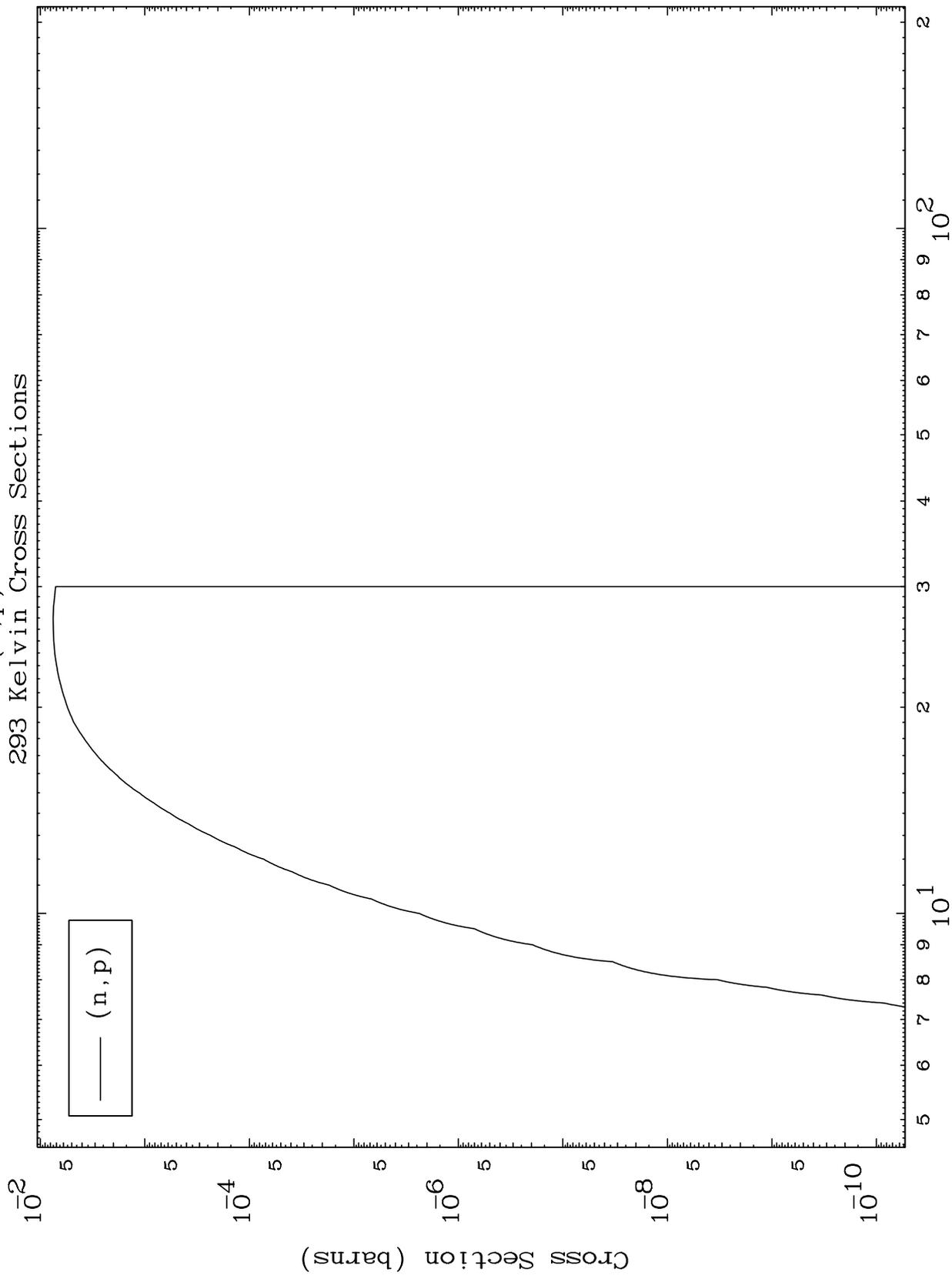
293 Kelvin Cross Sections



MAT 5955

59-Pr-151

(n,p) Levels
293 Kelvin Cross Sections



59-Pr-151

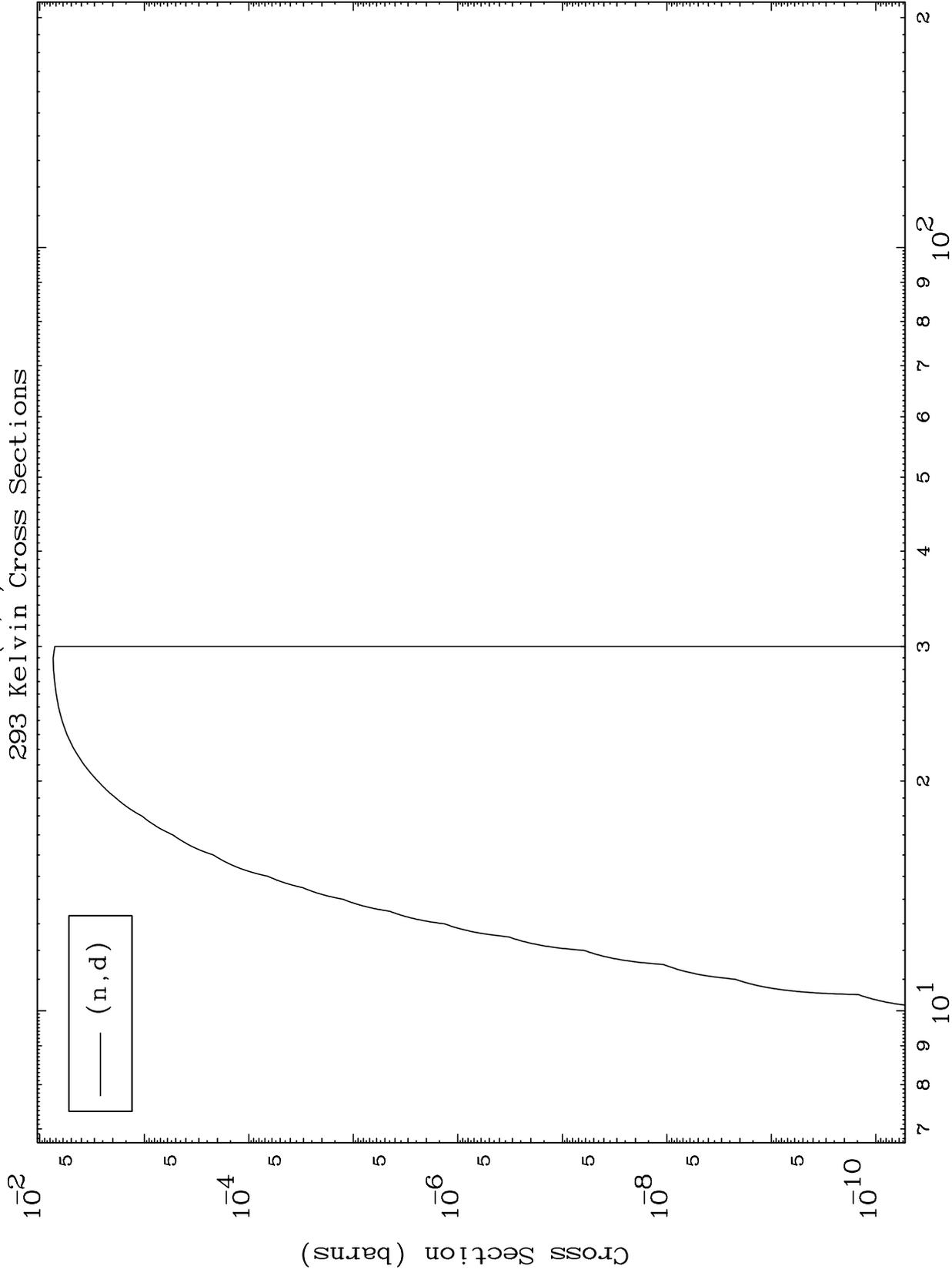
Incident Energy (MeV)

10

MAT 5955

(n,d) Levels
293 Kelvin Cross Sections

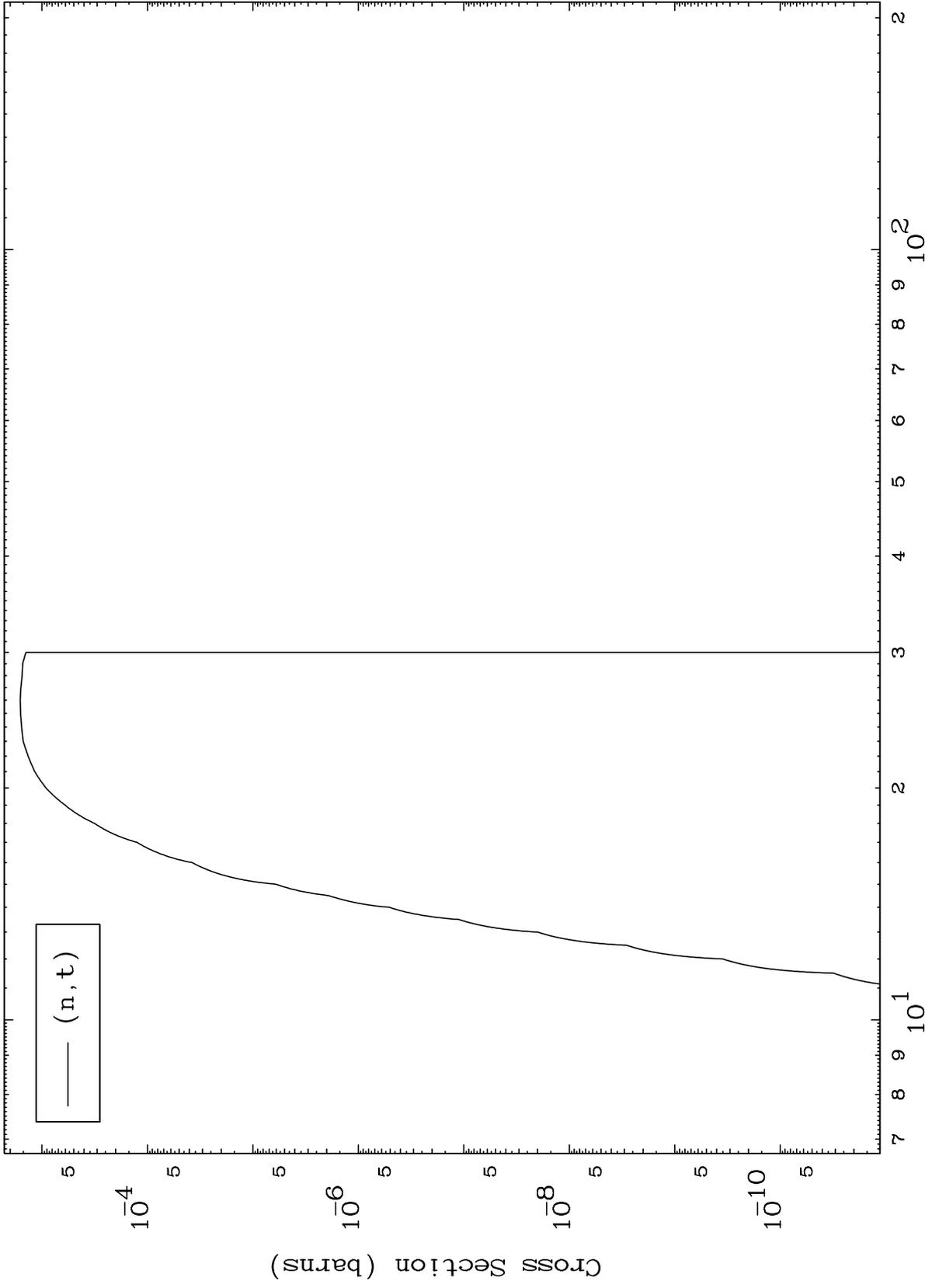
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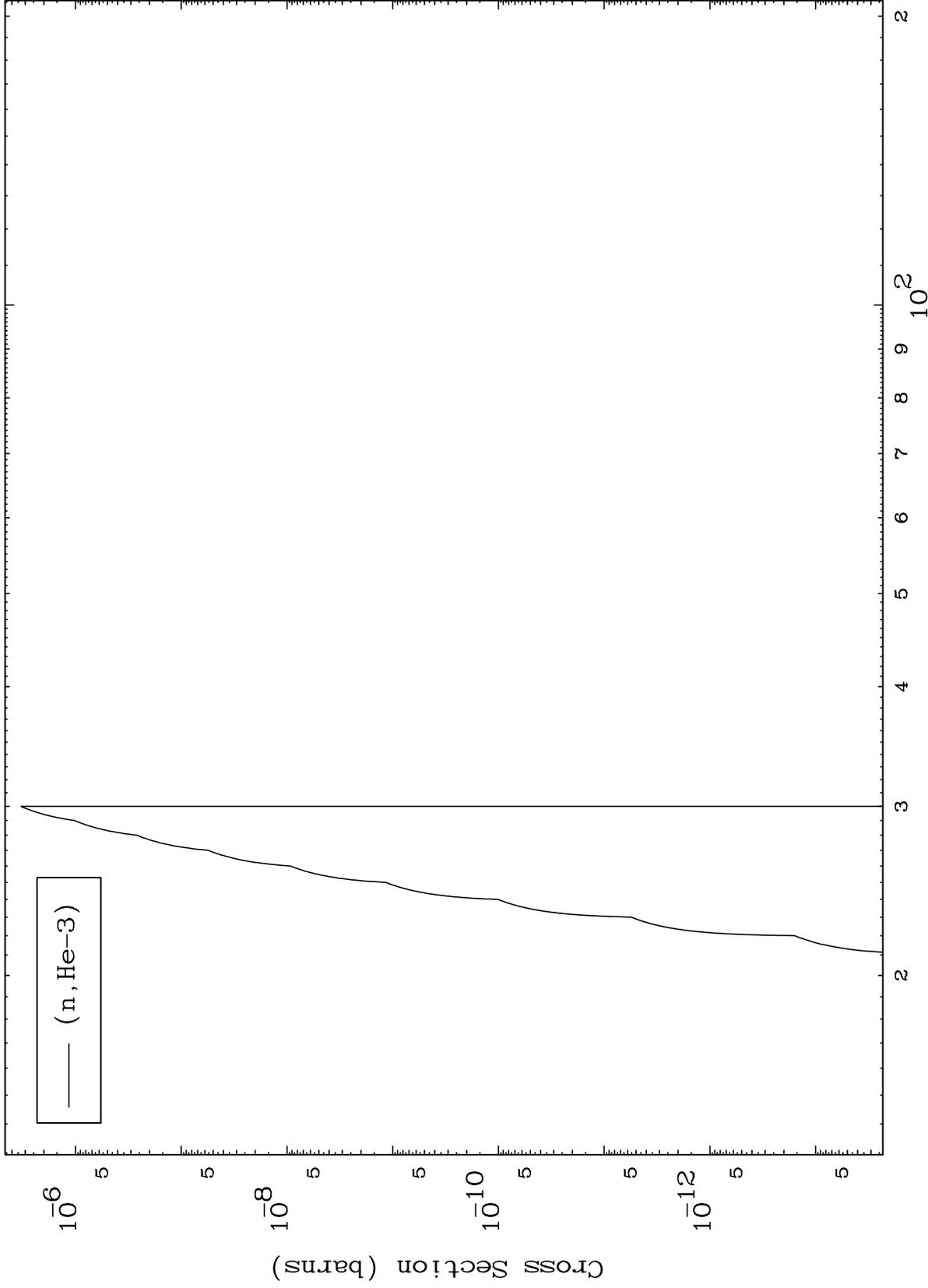


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Incident Energy (MeV)

59-Pr-151

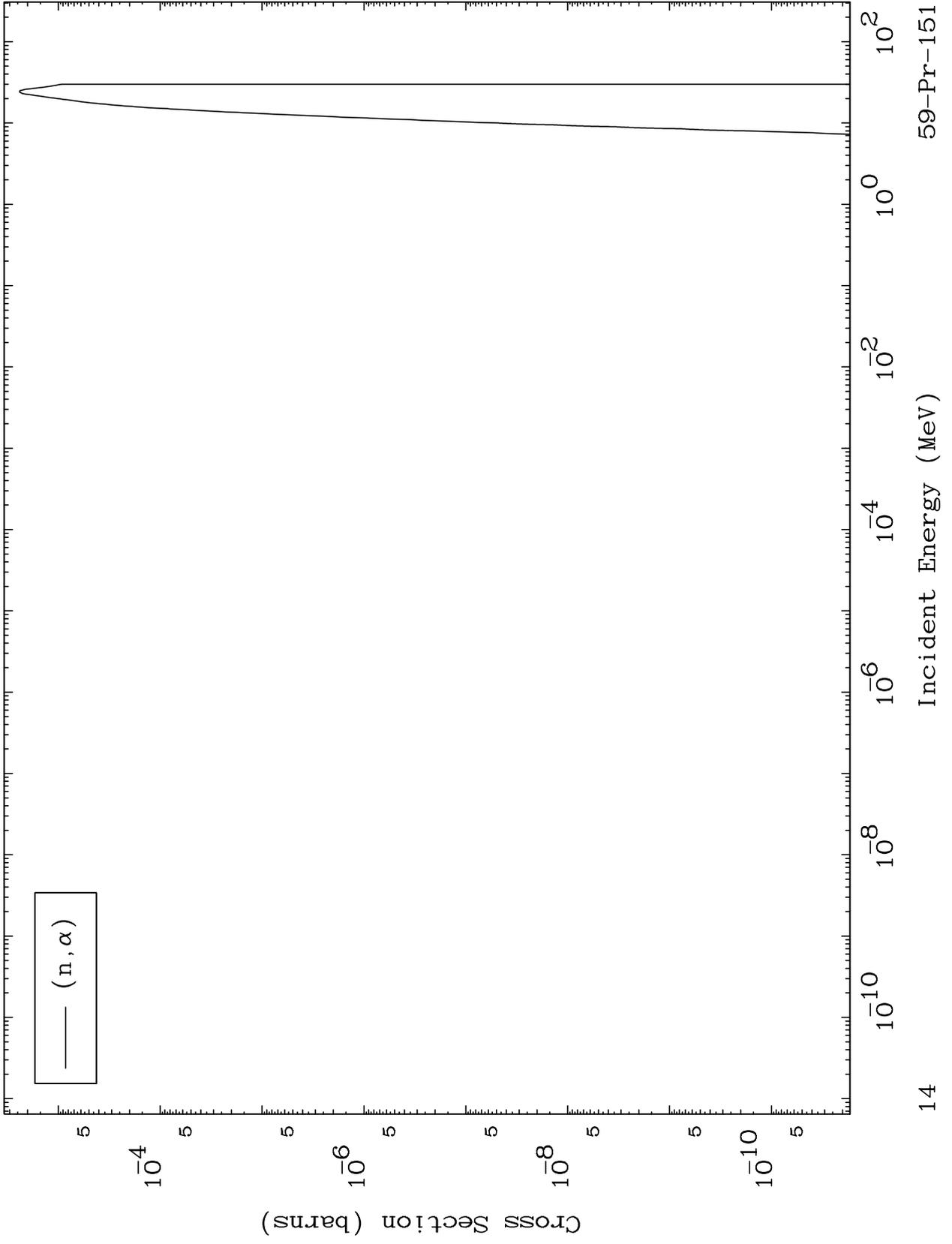




MAT 5955

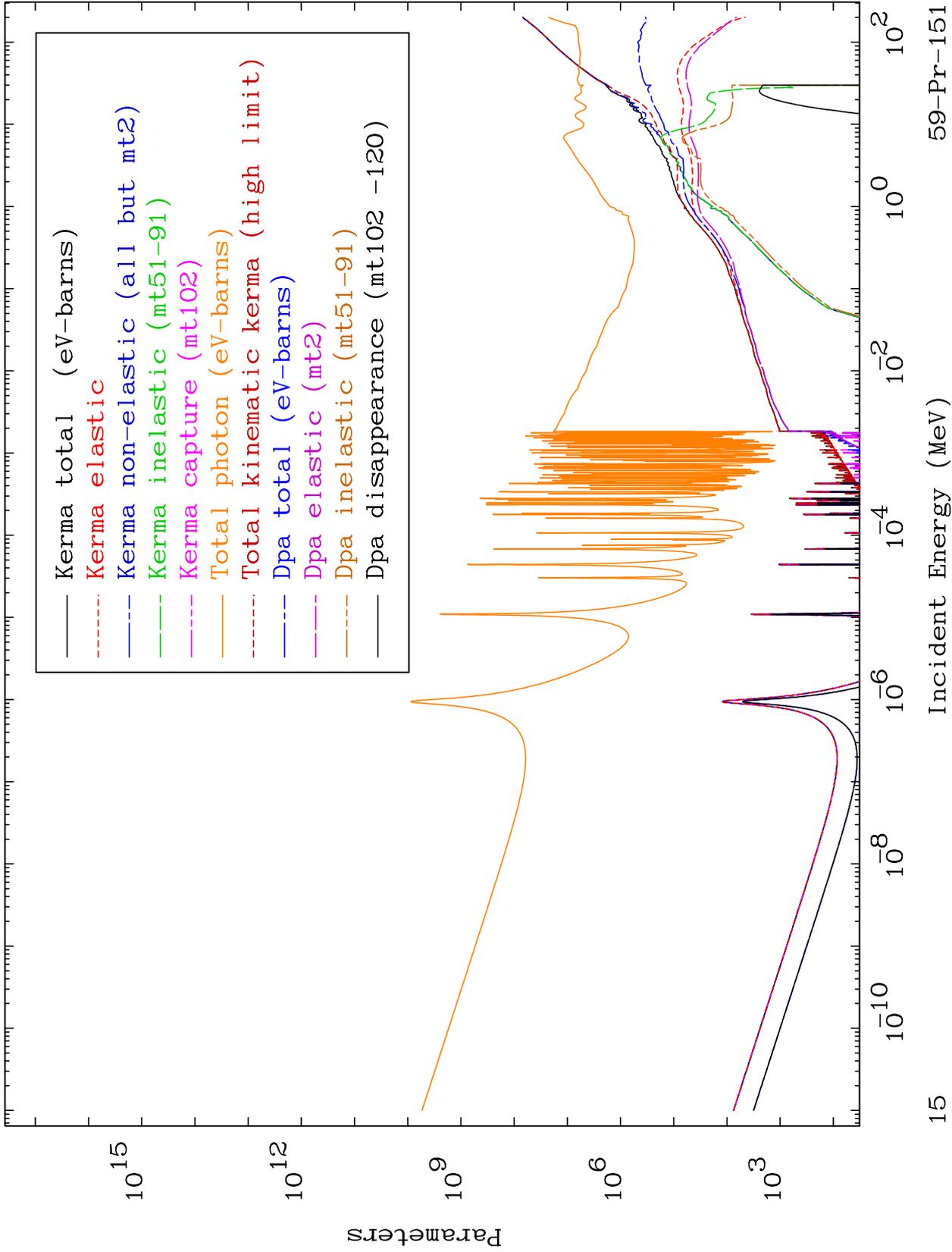
(n, α) Levels
293 Kelvin Cross Sections

59-Pr-151



14

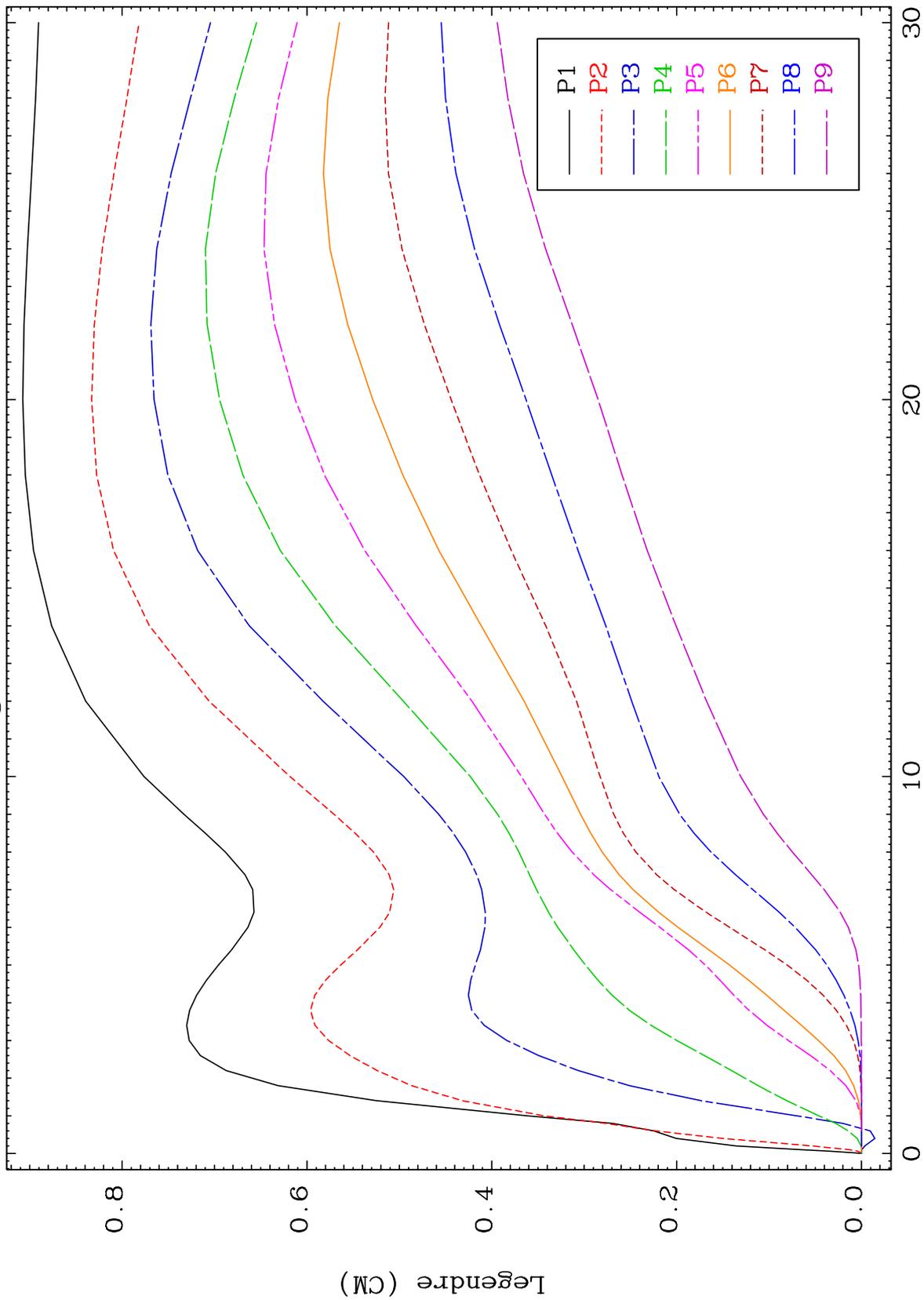
59-Pr-151



MAT 5955

Elastic Legendre Coefficients

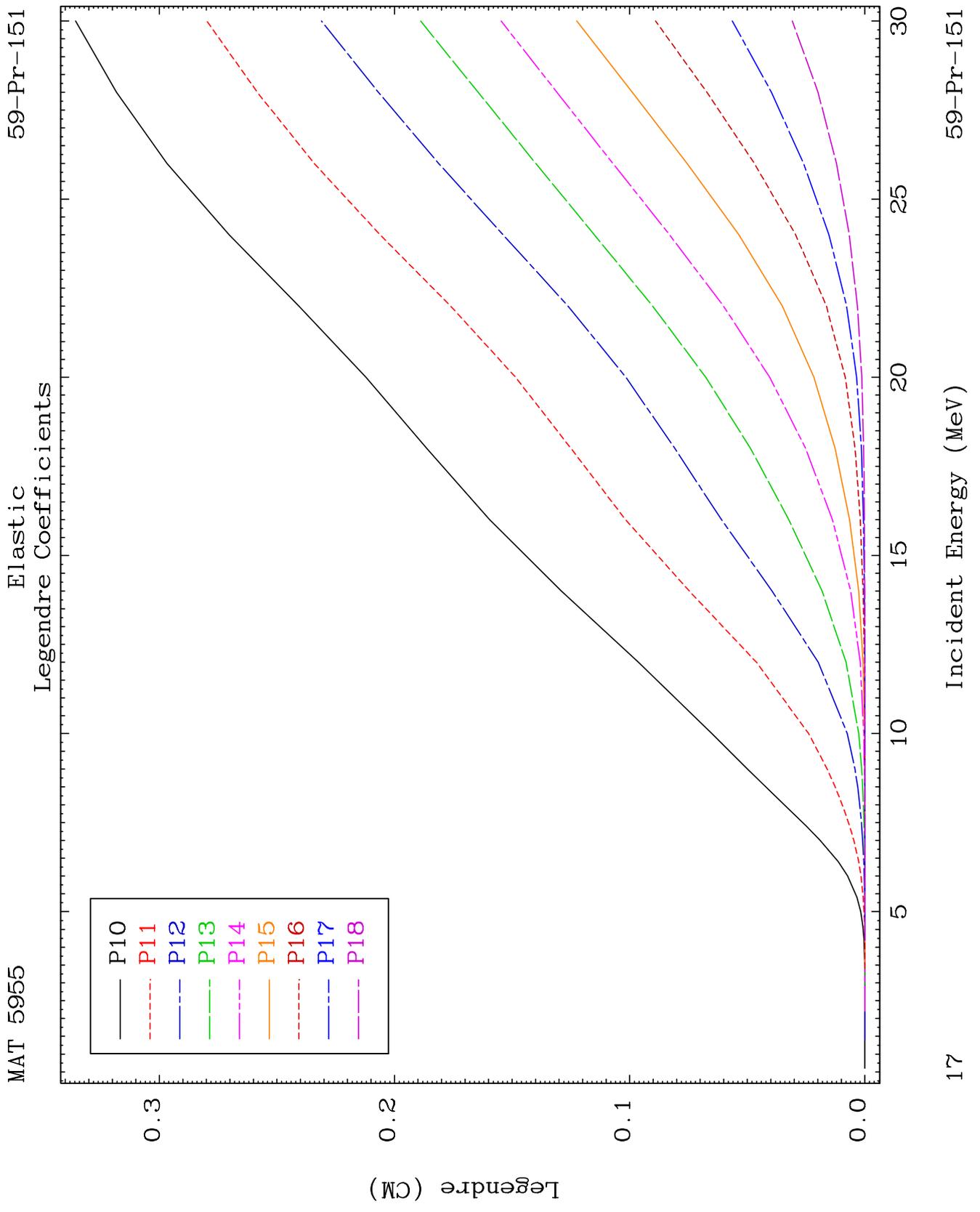
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16

Incident Energy (MeV)

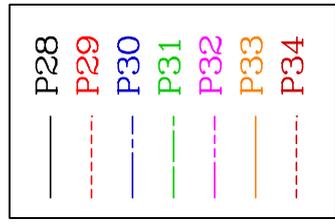
59-Pr-151



MAT 5955

Elastic
Legendre Coefficients

59-Pr-151



$\times 10^{-6}$
2.0
1.5

Legendre (CM)

1.0

0.5

0.0

15

20

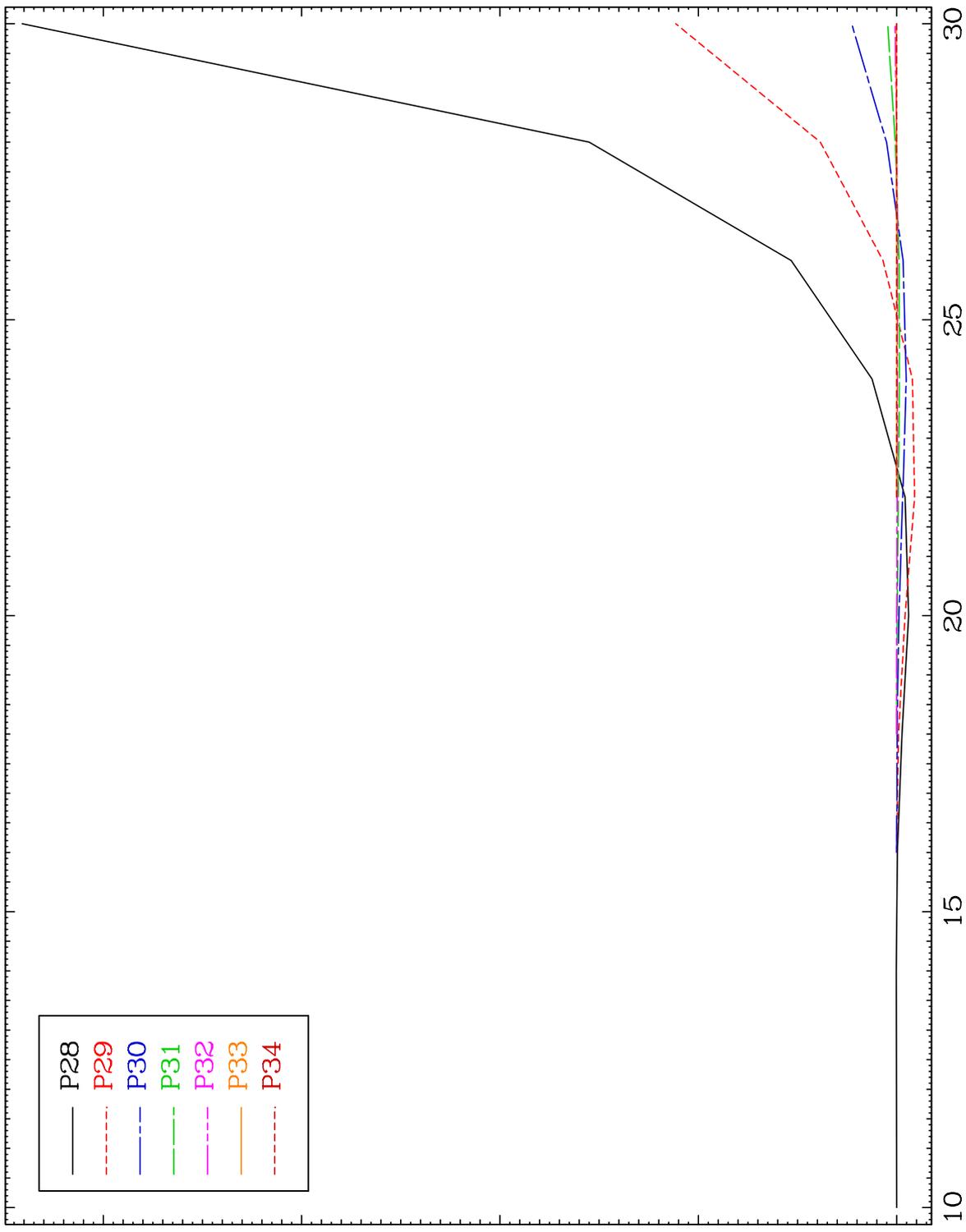
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30

19

Incident Energy (MeV)

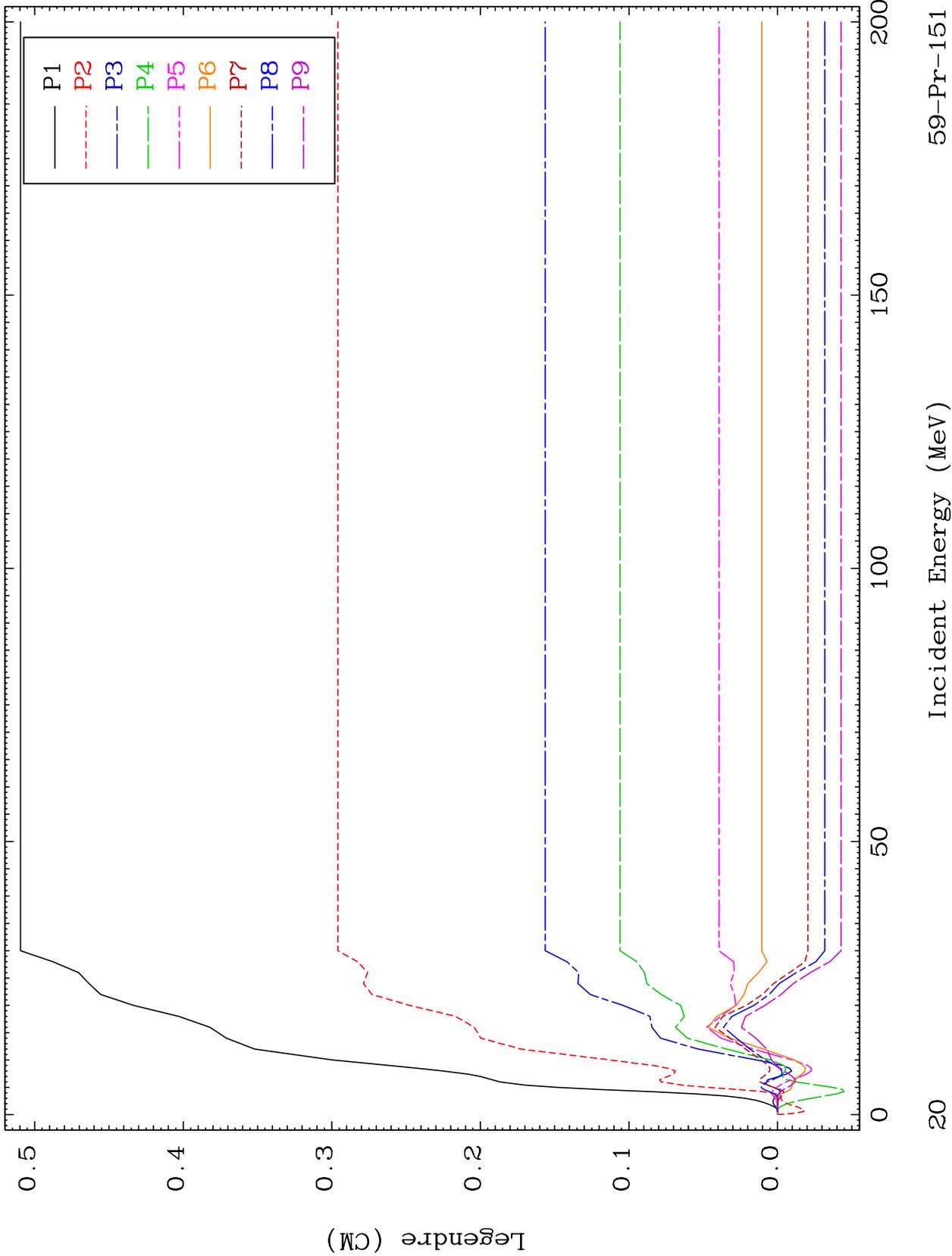
59-Pr-151



MAT 5955

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

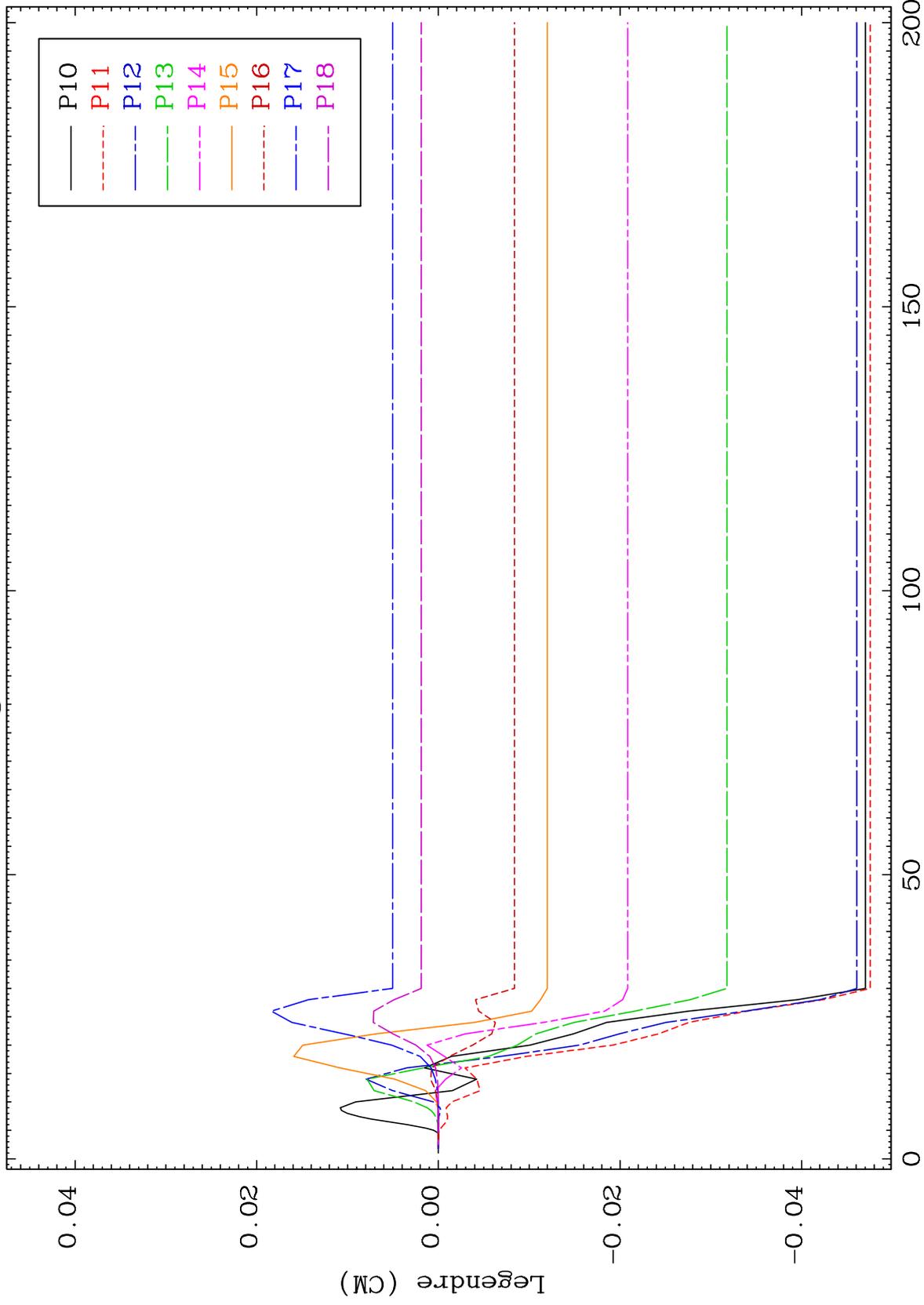
59-Pr-151



MAT 5955

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

59-Pr-151



21

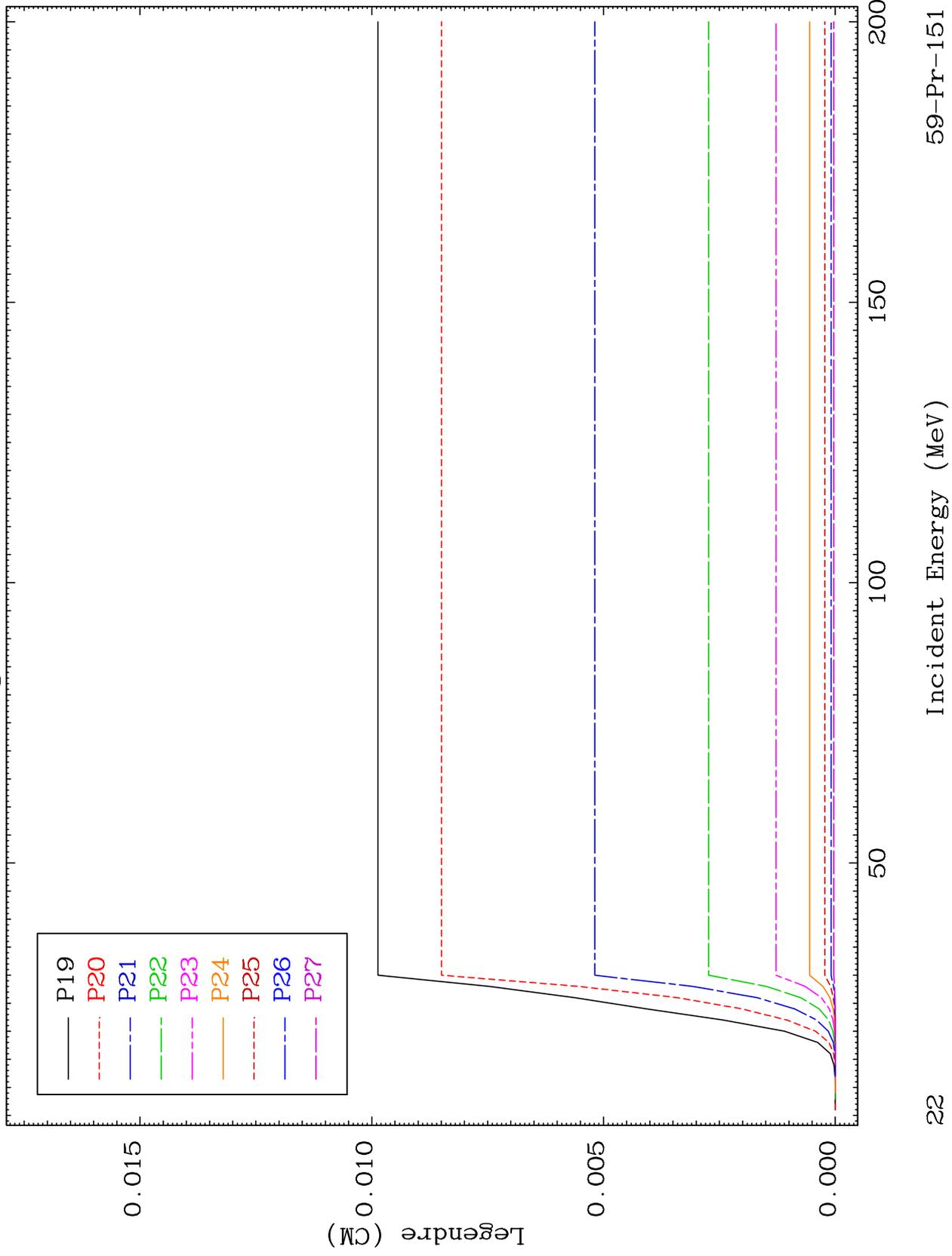
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

59-Pr-151



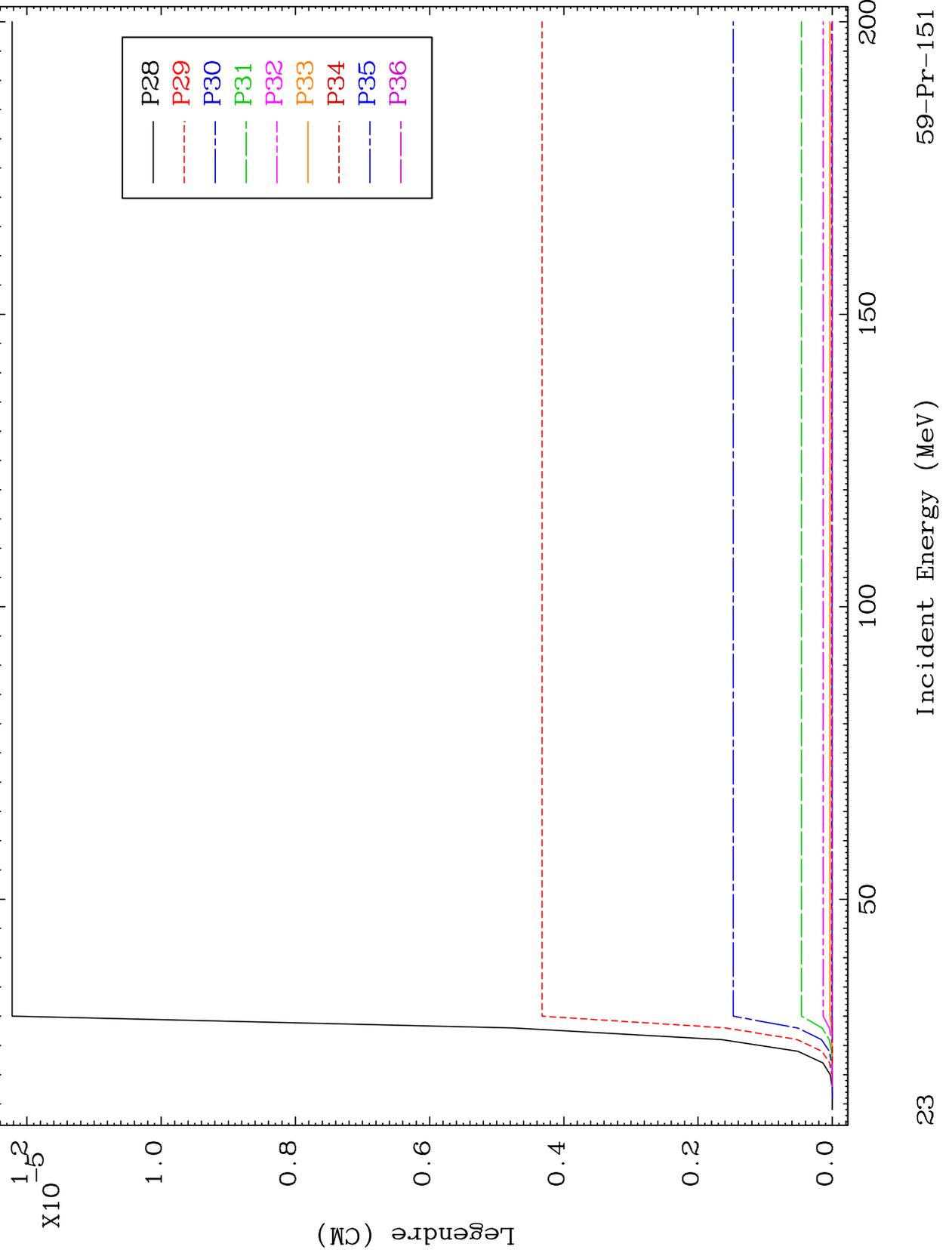
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59-Pr-151

MAT 5955

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

59-Pr-151



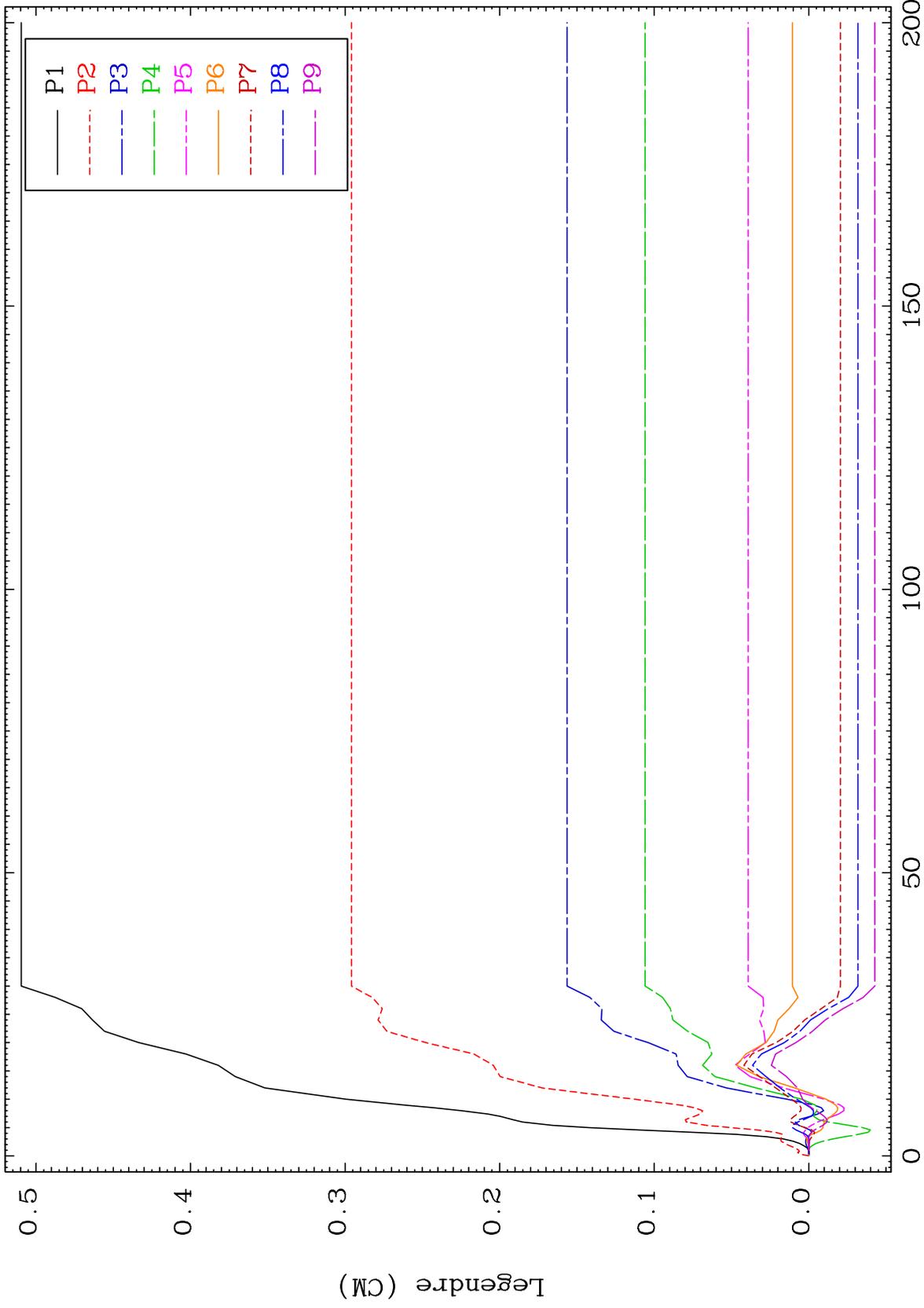
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59-Pr-151

MAT 5955

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

59-Pr-151



24

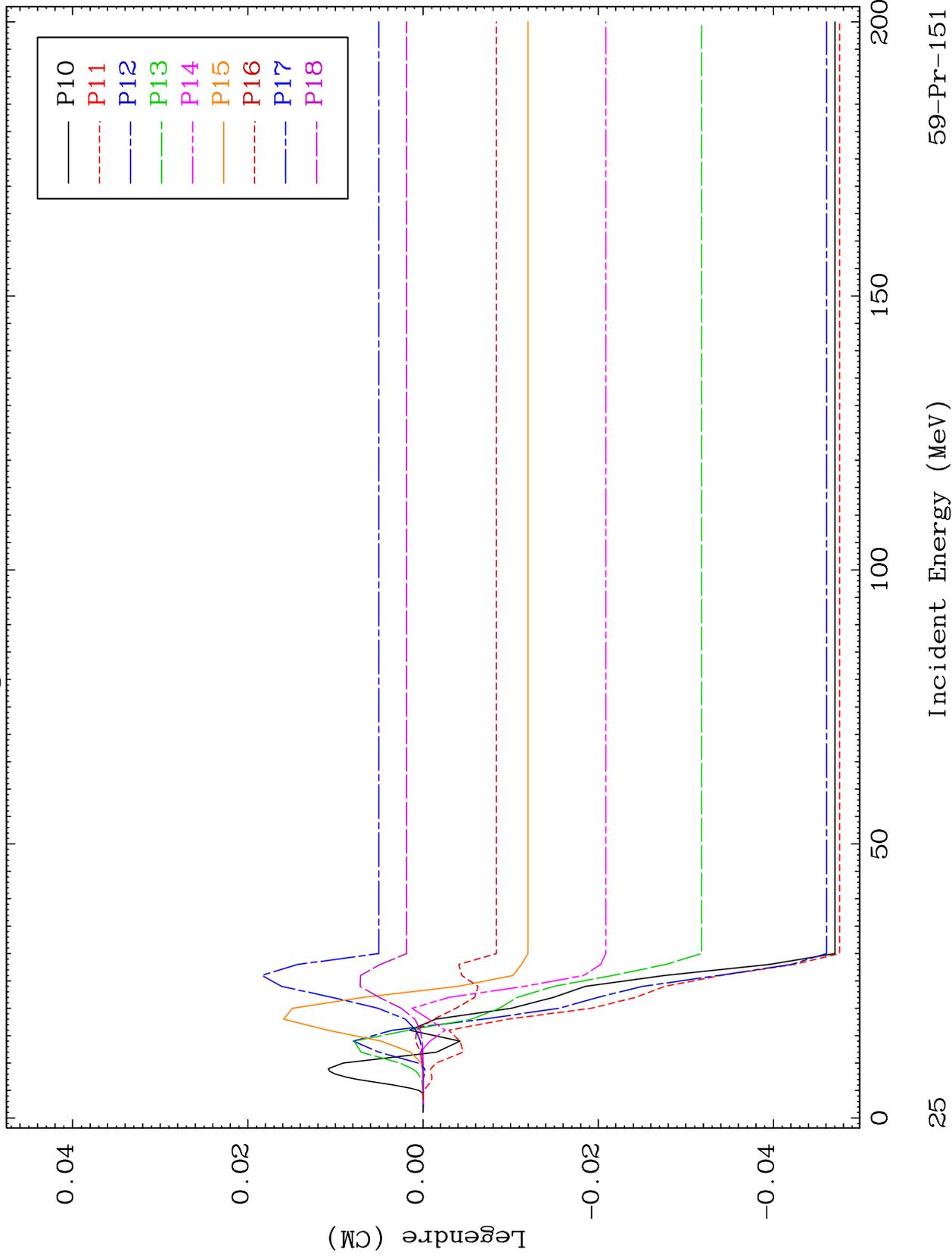
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

59-Pr-151



25

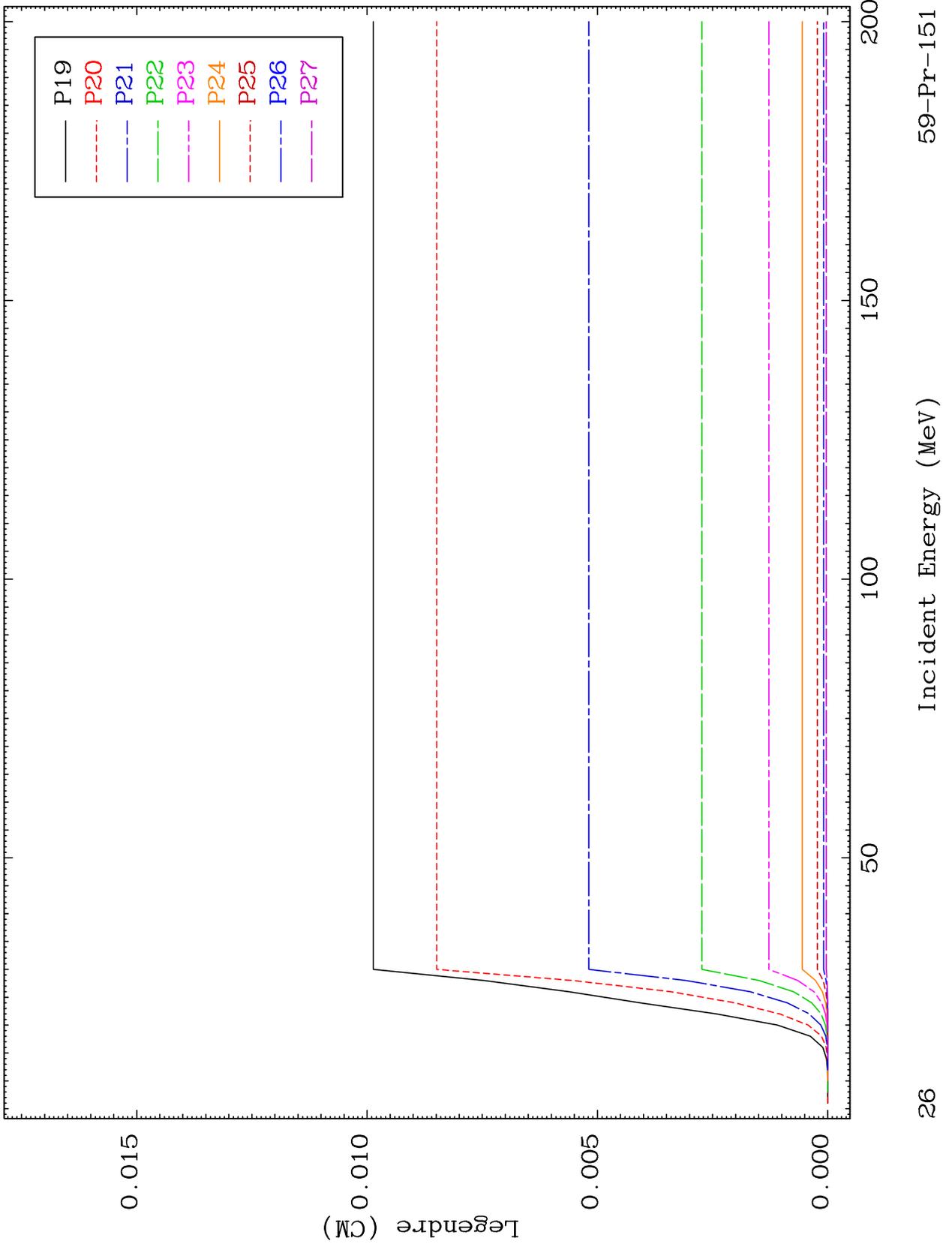
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

59-Pr-151



26

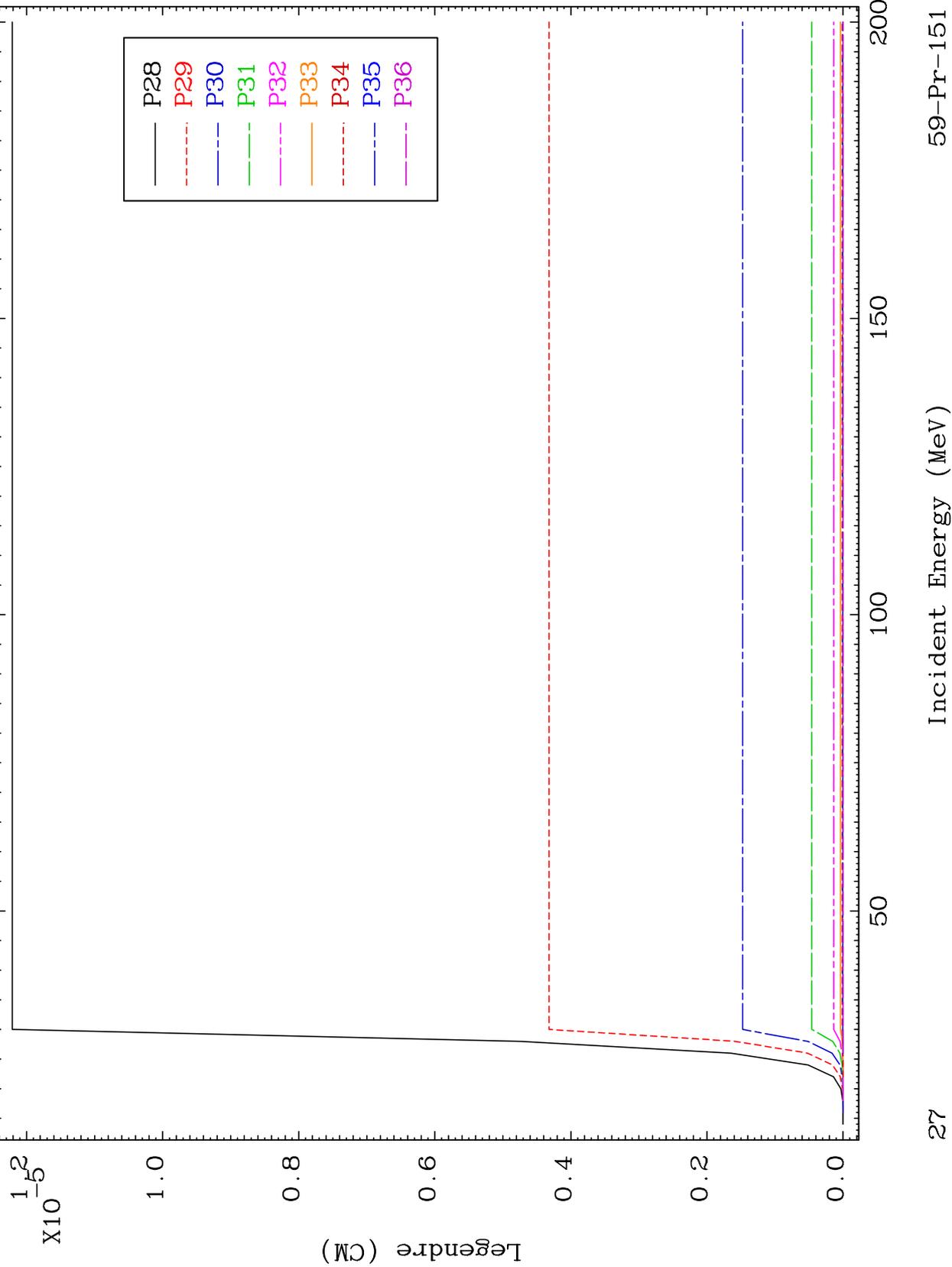
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

59-Pr-151



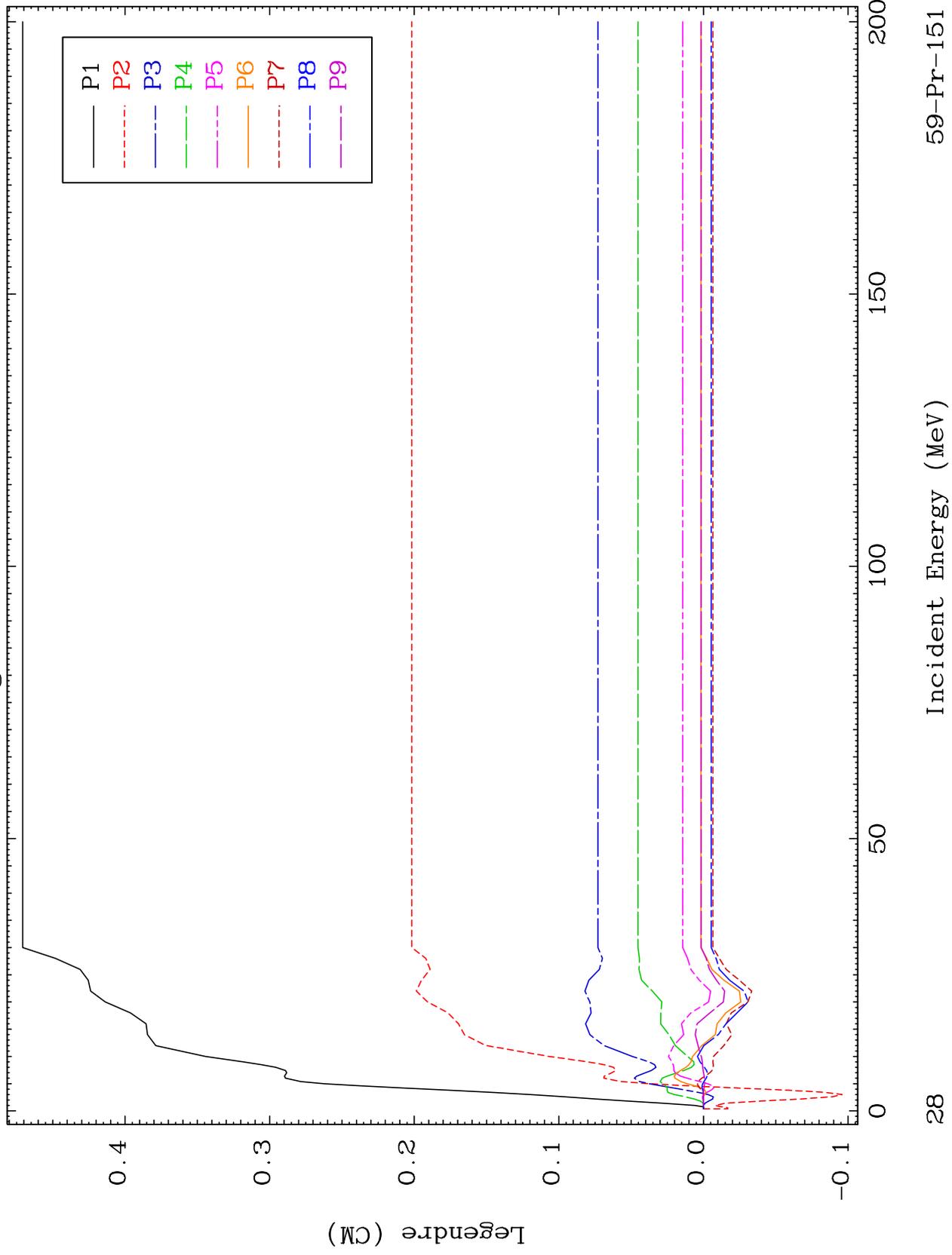
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59-Pr-151

MAT 5955

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

59-Pr-151



28

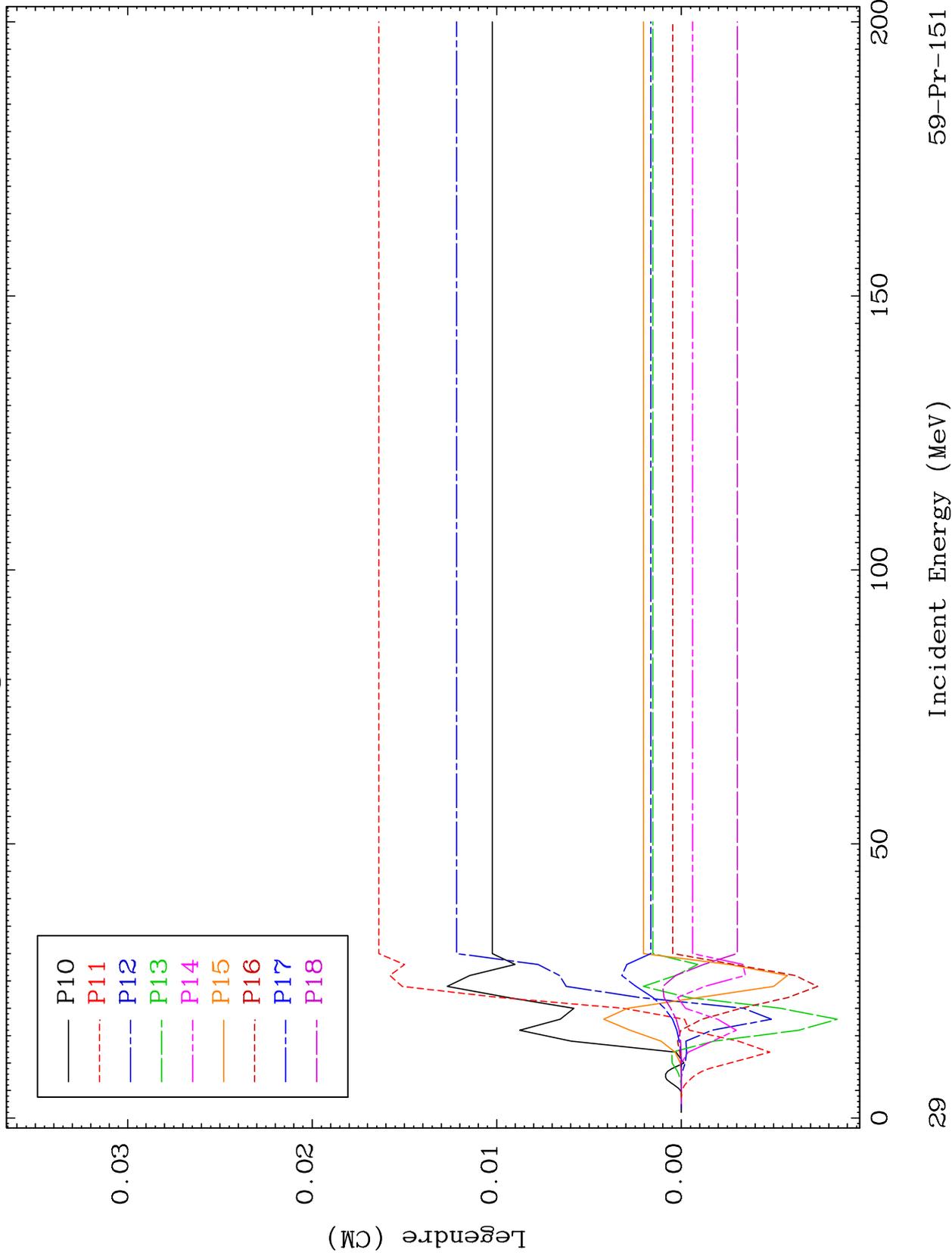
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

59-Pr-151



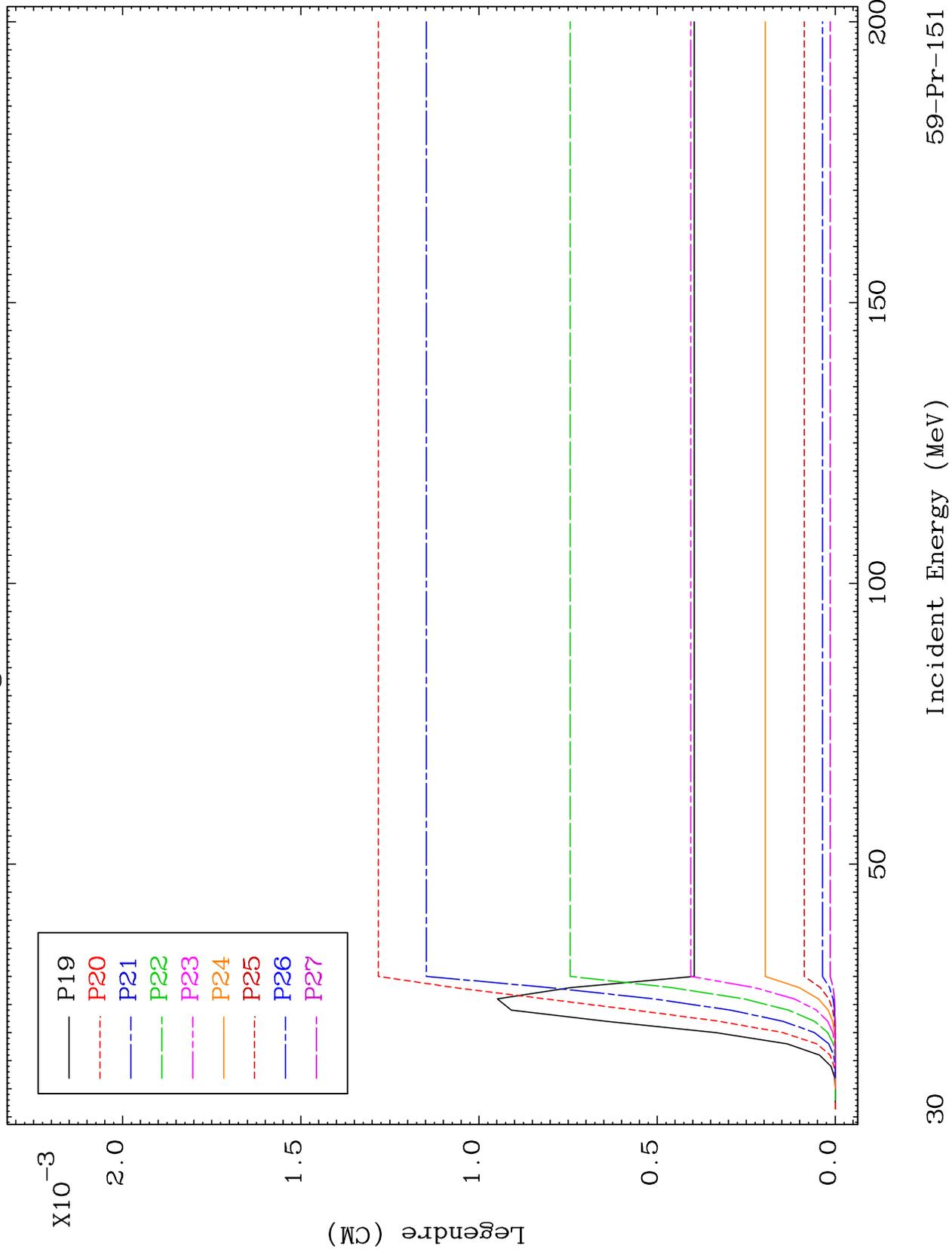
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59-Pr-151

MAT 5955

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

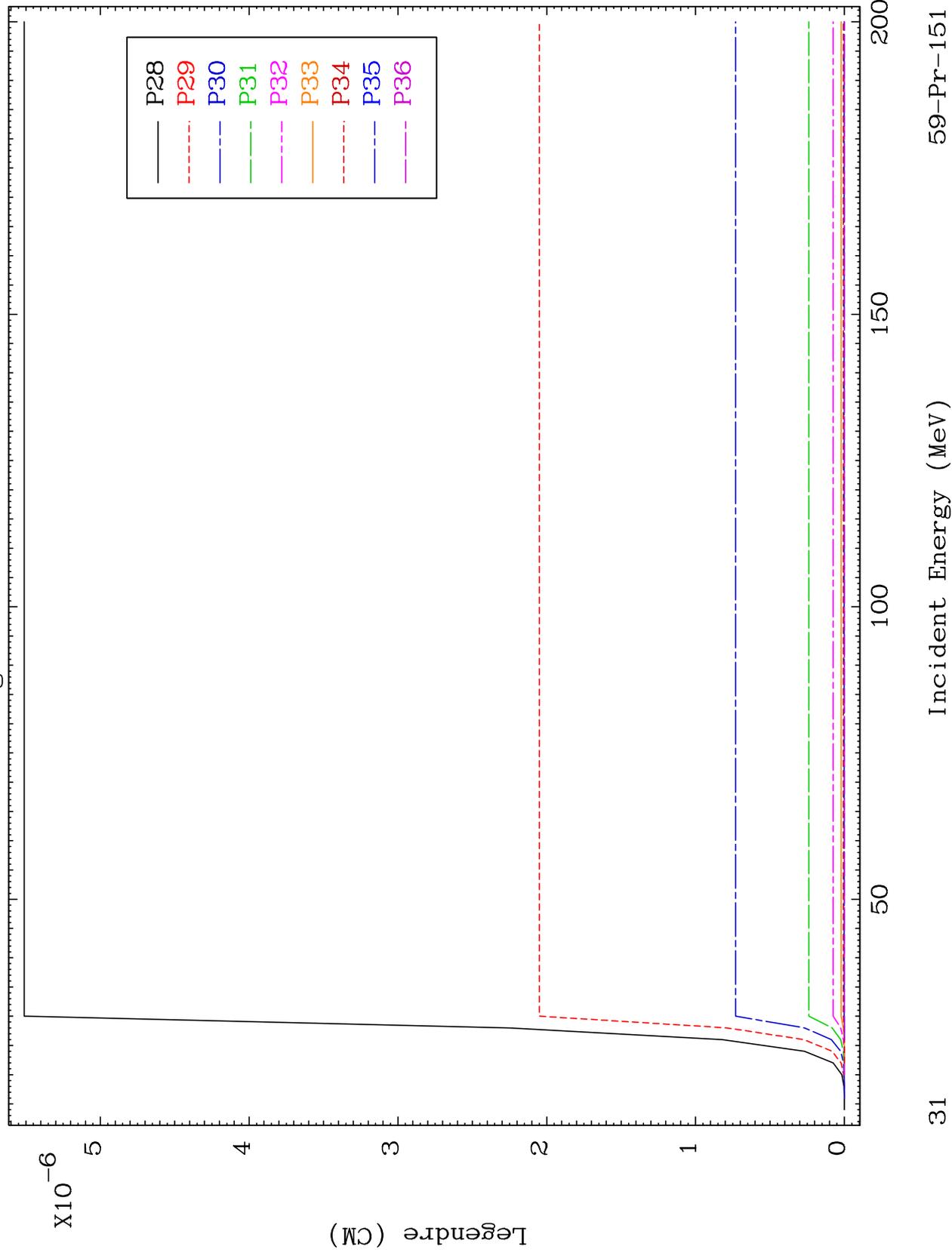
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MAT 5955

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

59-Pr-151



31

Incident Energy (MeV)

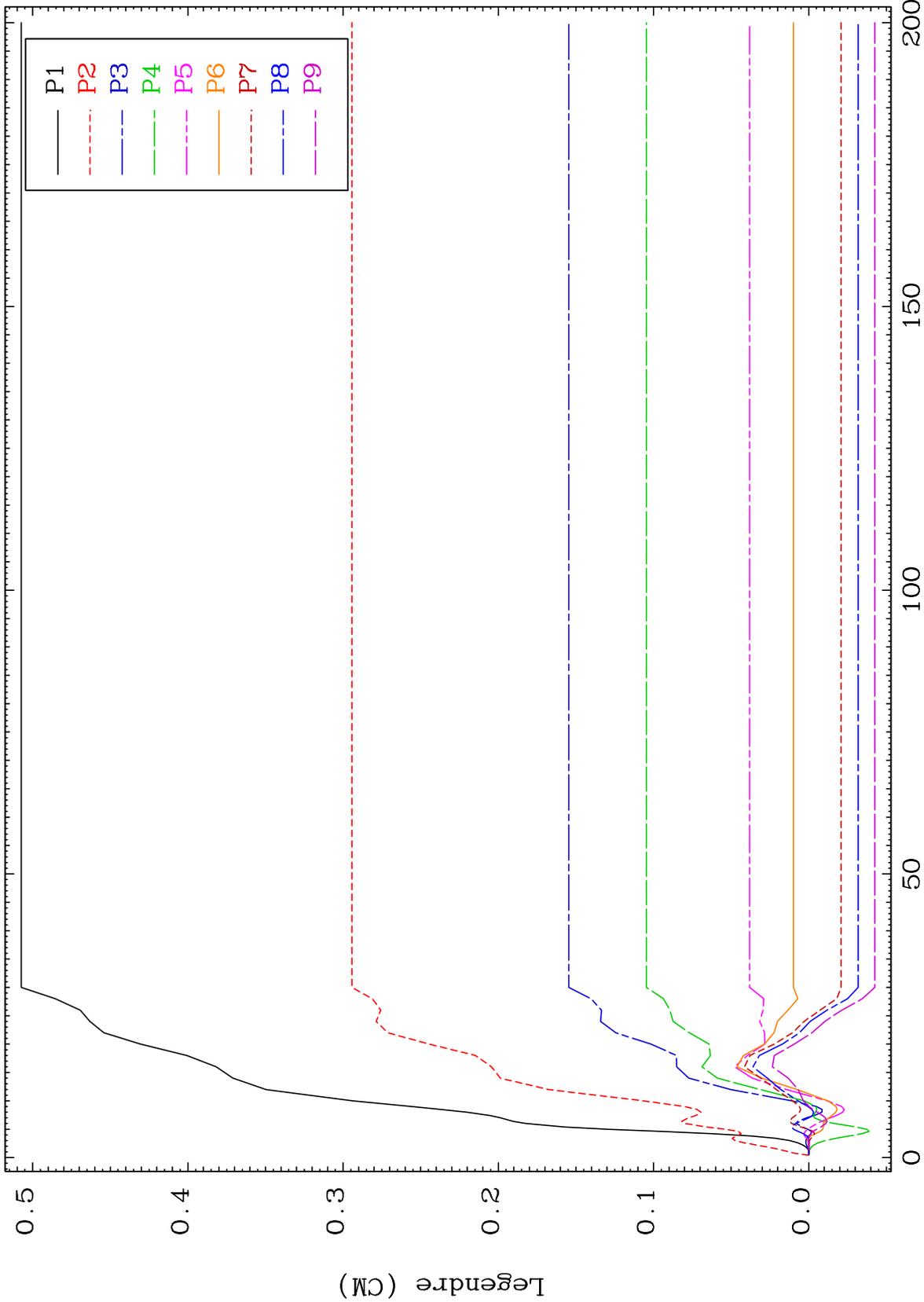
59-Pr-151

MAT 5955

MT= 54 (n,n') Level

59-Pr-151

Legendre Coefficients



32

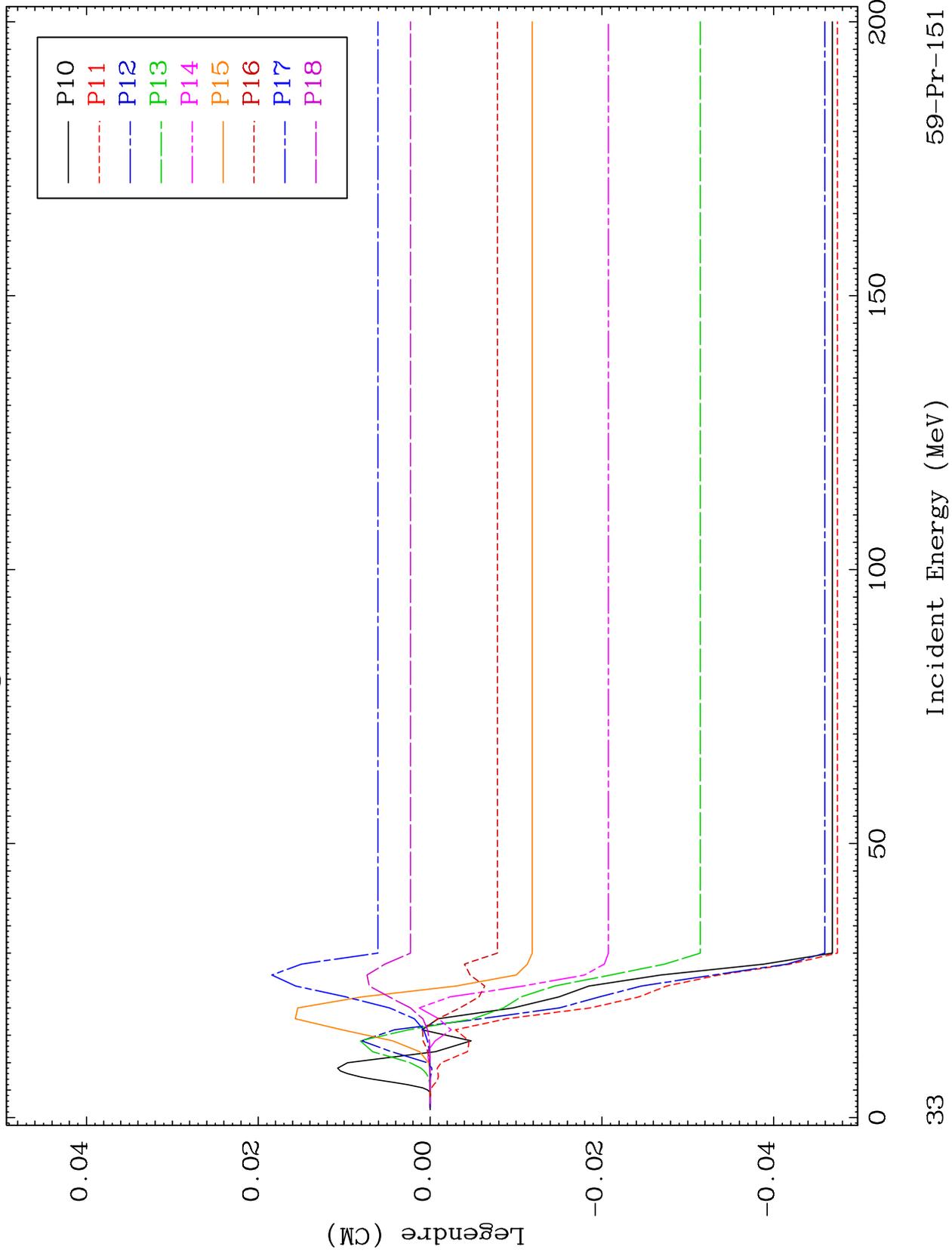
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

59-Pr-151



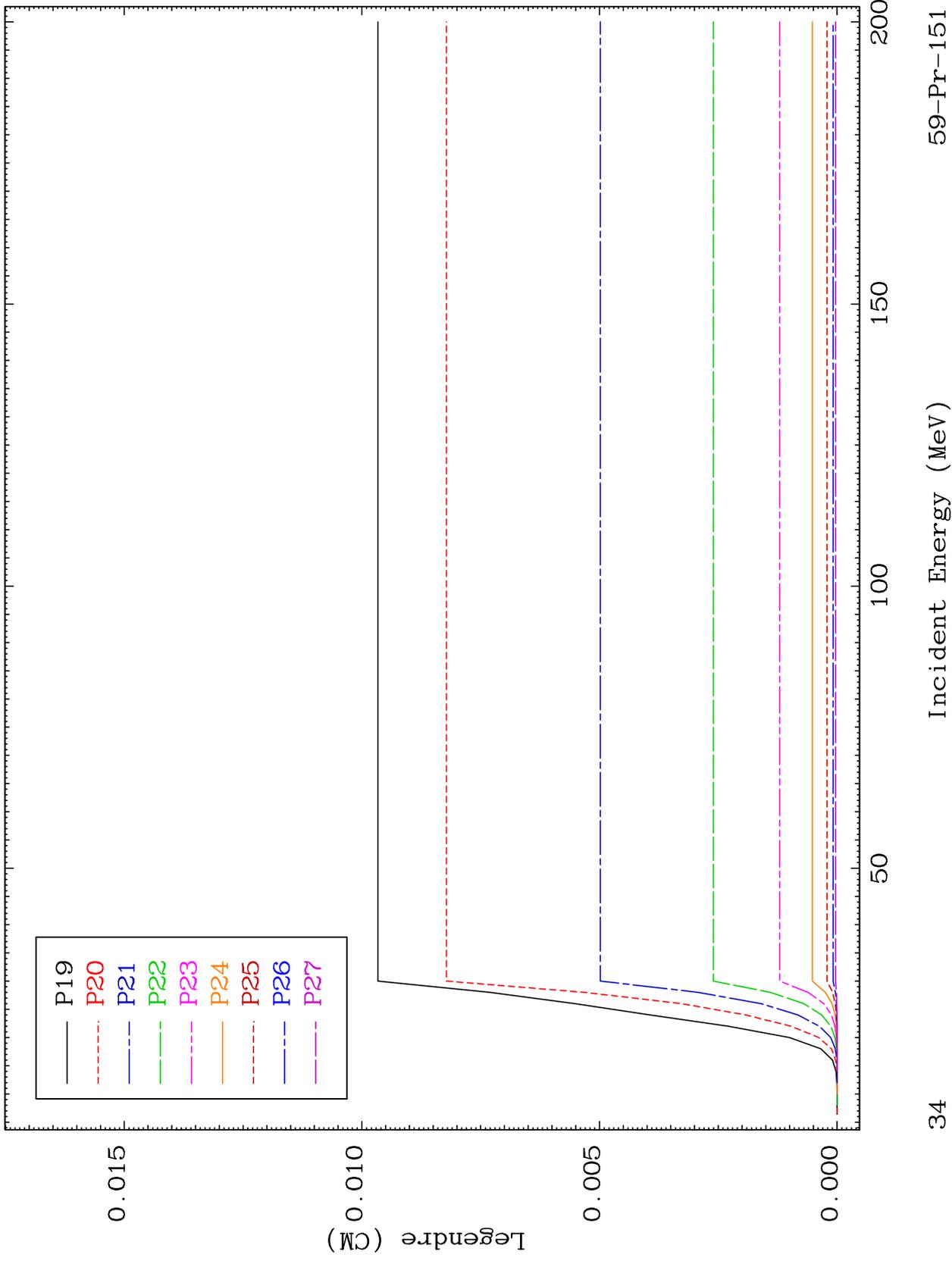
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MAT 5955

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

59-Pr-151



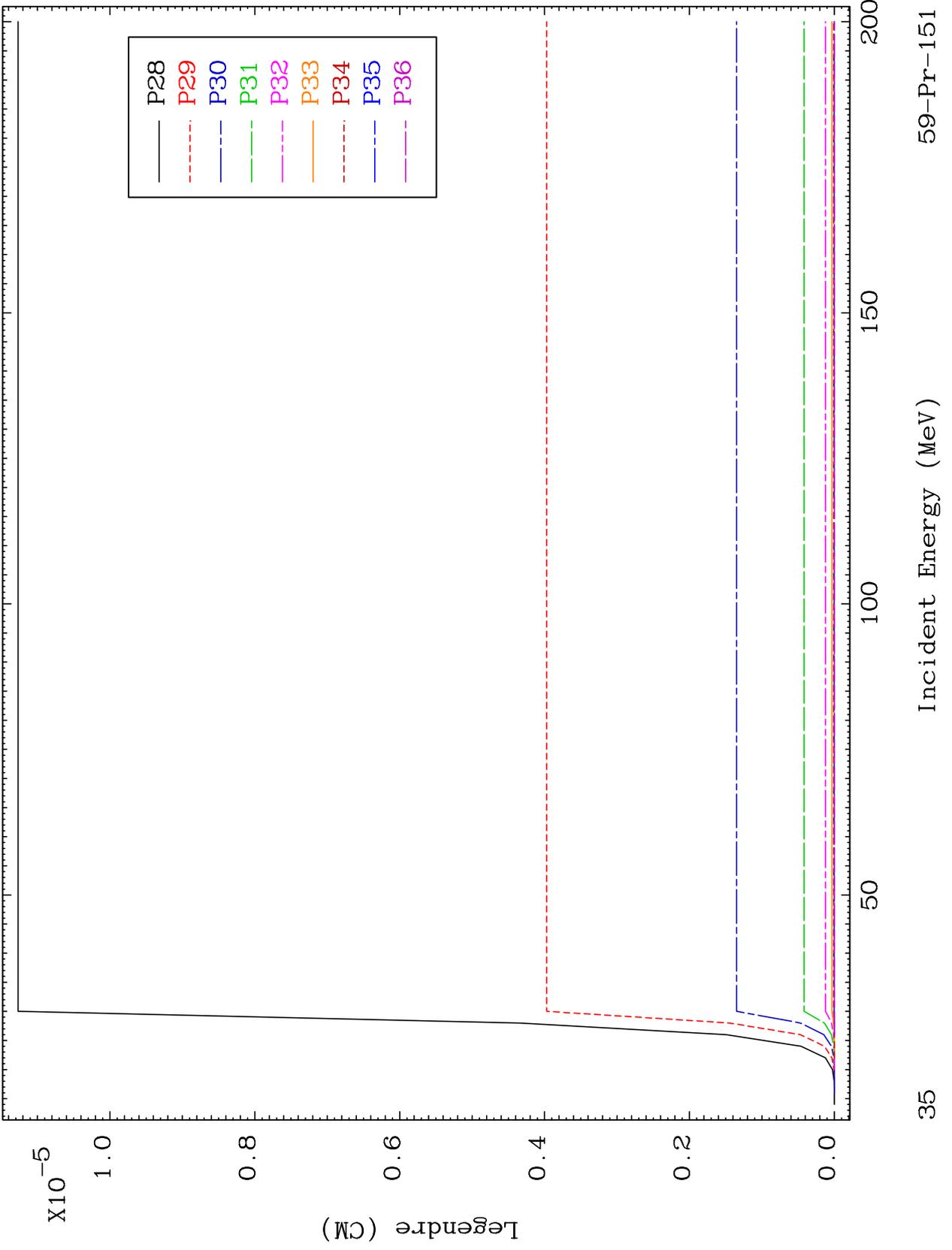
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MAT 5955

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

59-Pr-151



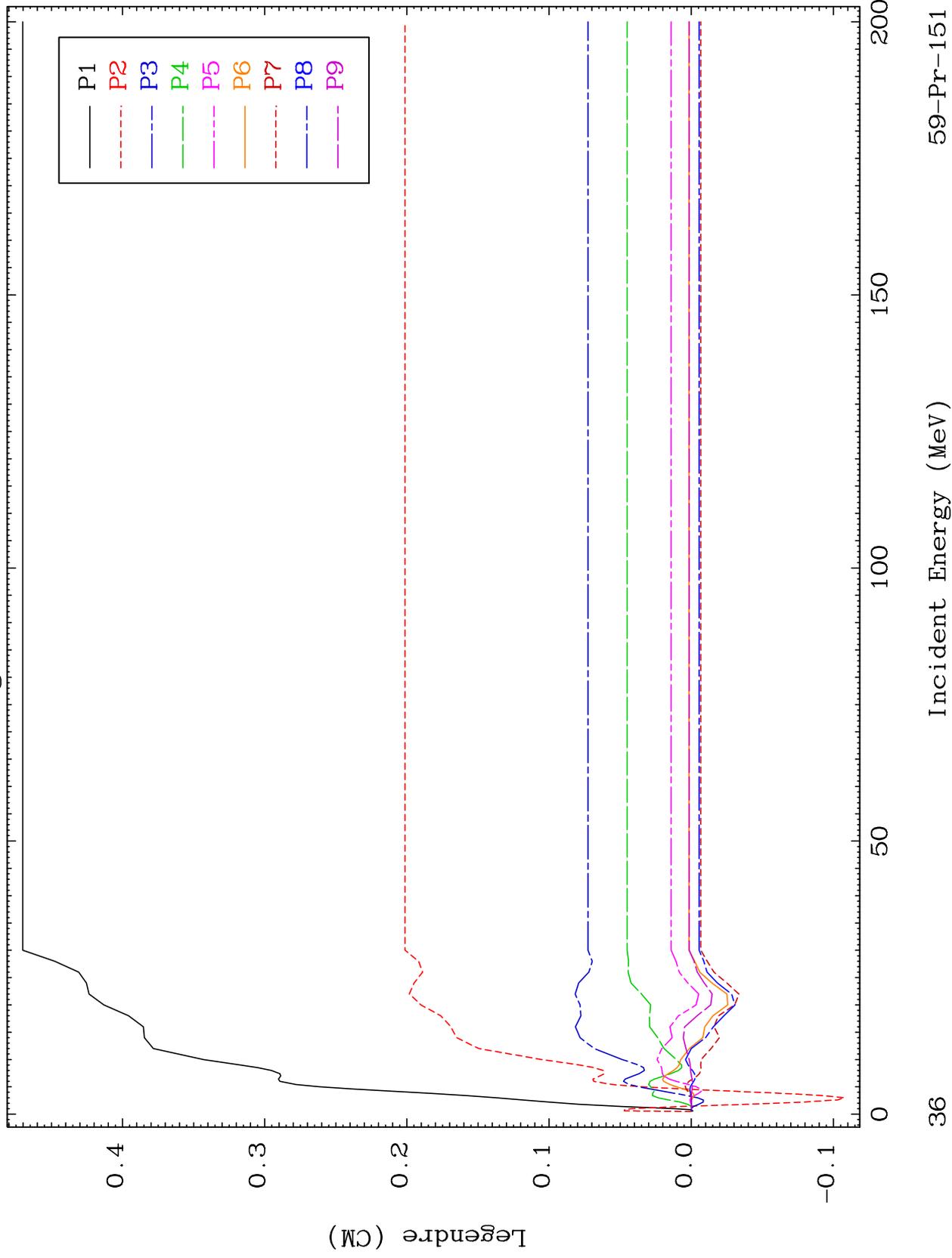
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59-Pr-151

MAT 5955

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

59-Pr-151



59-Pr-151

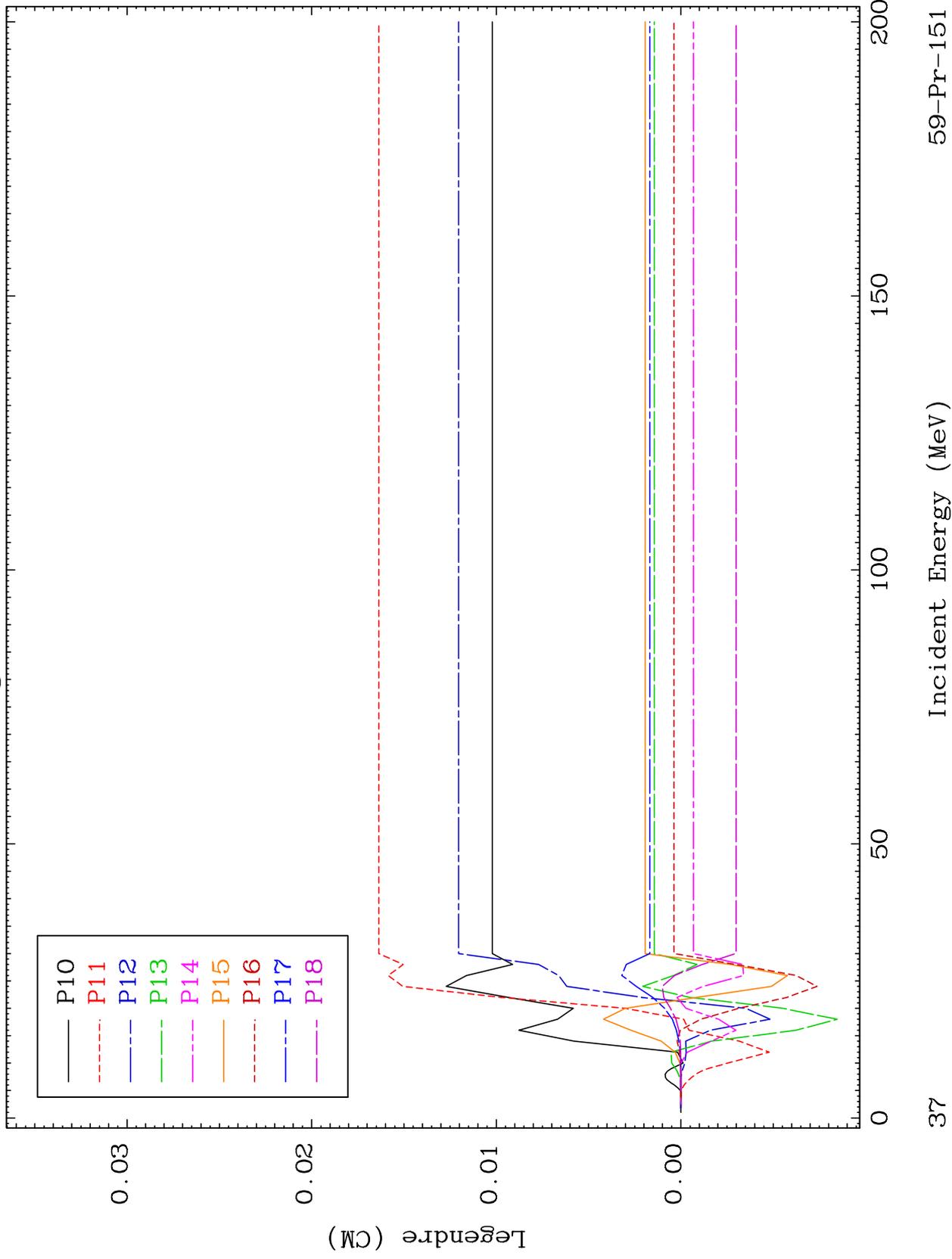
Incident Energy (MeV)

36

MAT 5955

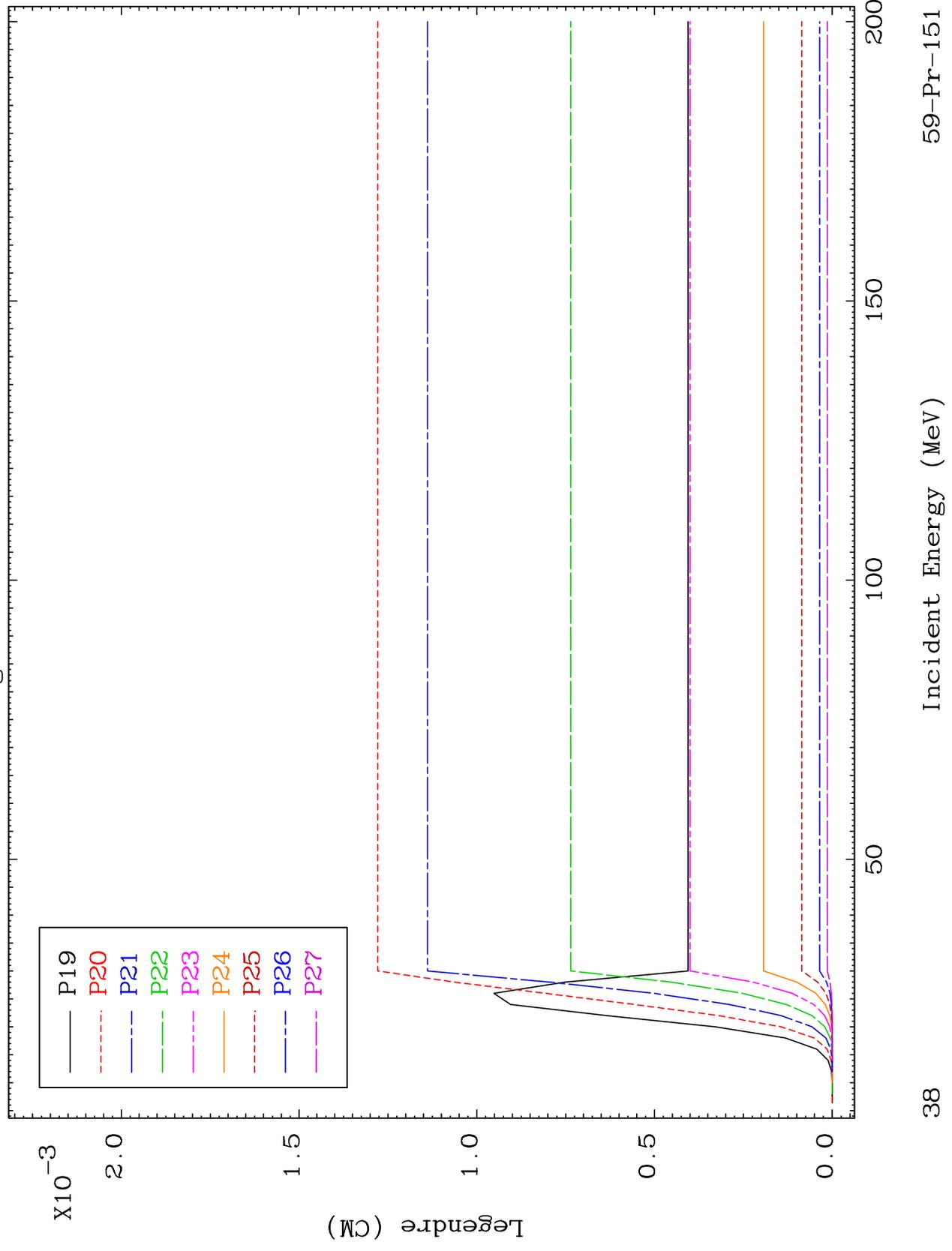
MT= 55 (n,n') Level
Legendre Coefficients

59-Pr-151



37

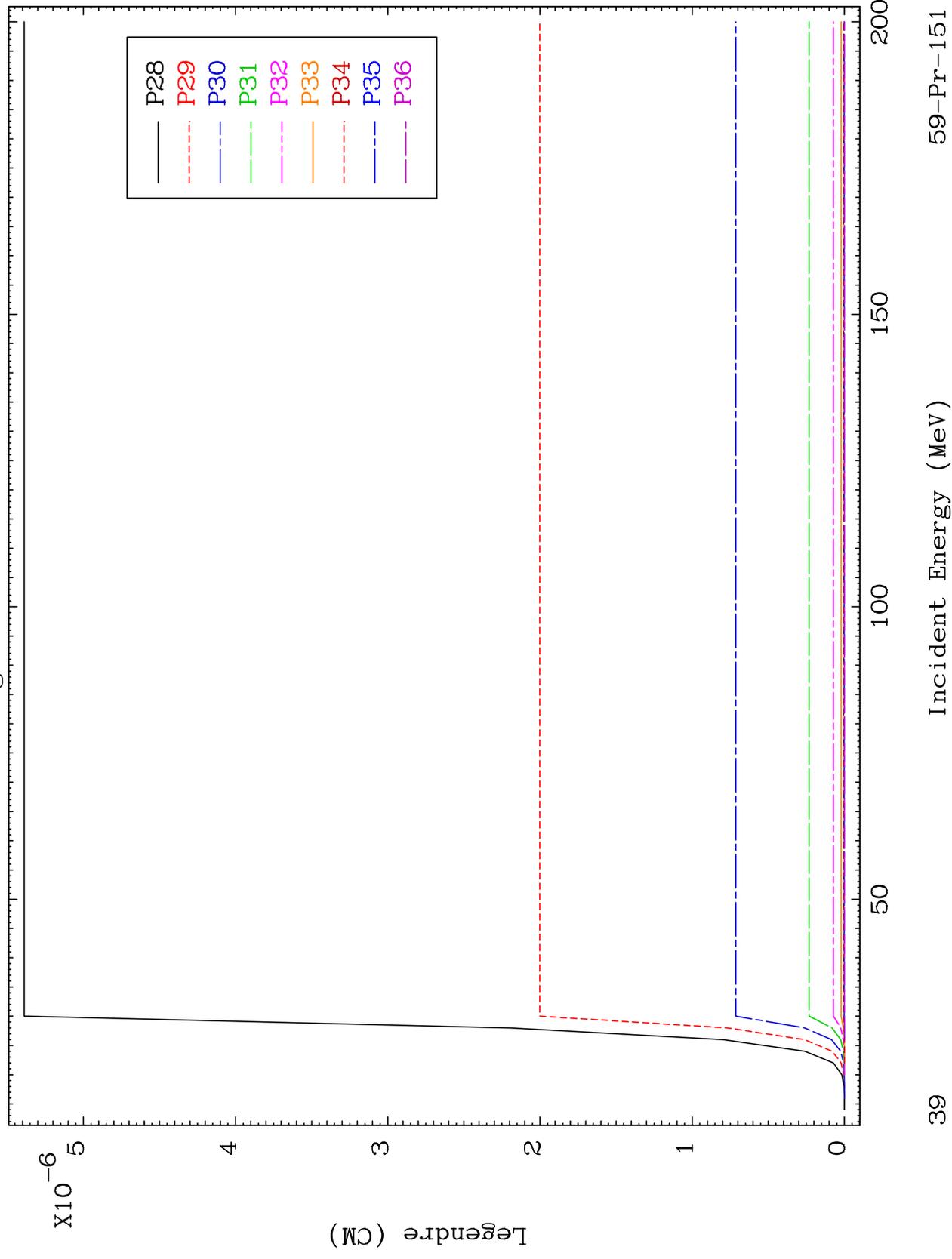
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MAT 5955

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

59-Pr-151



39

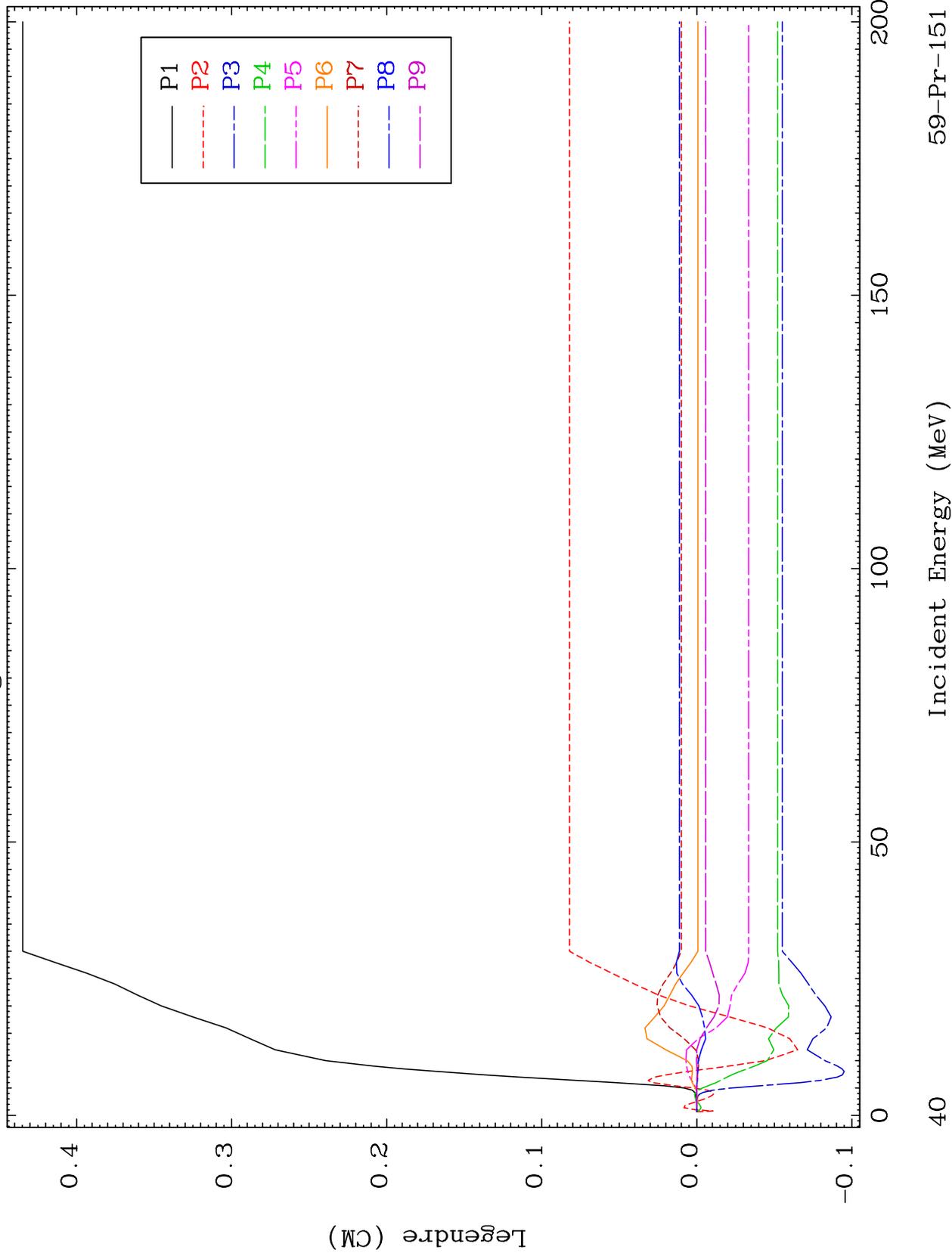
Incident Energy (MeV)

59-Pr-151

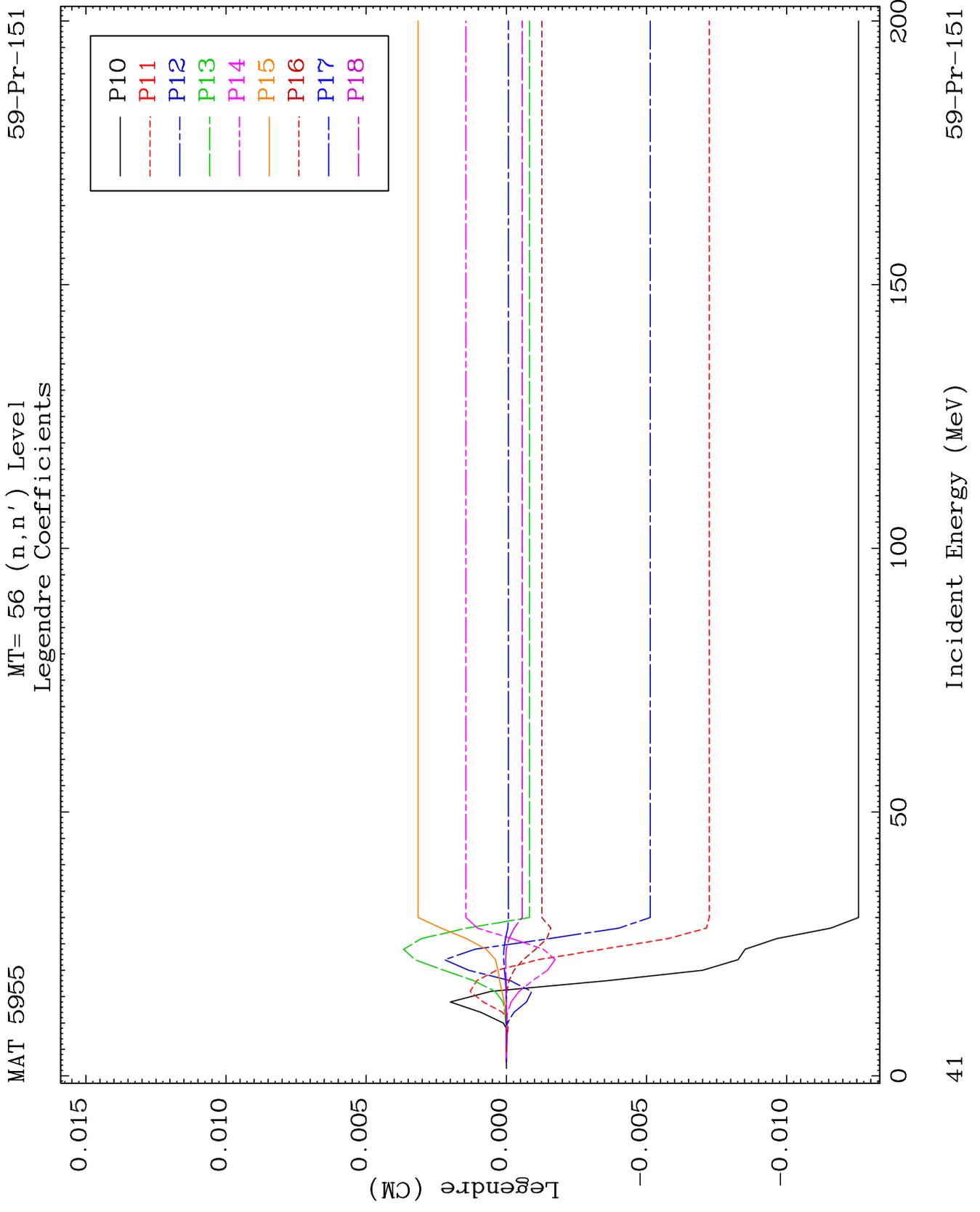
MAT 5955

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

59-Pr-151



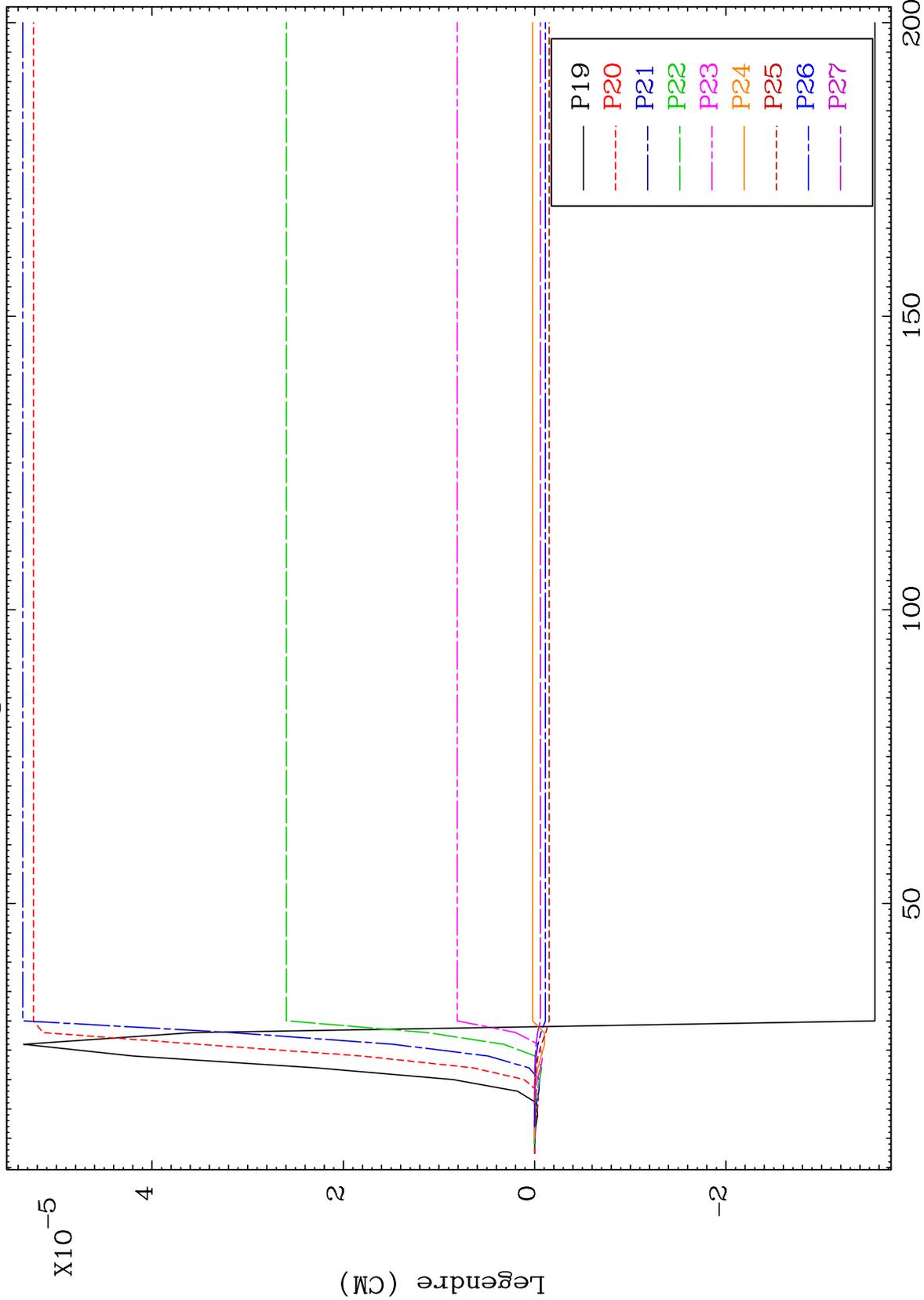
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MAT 5955

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

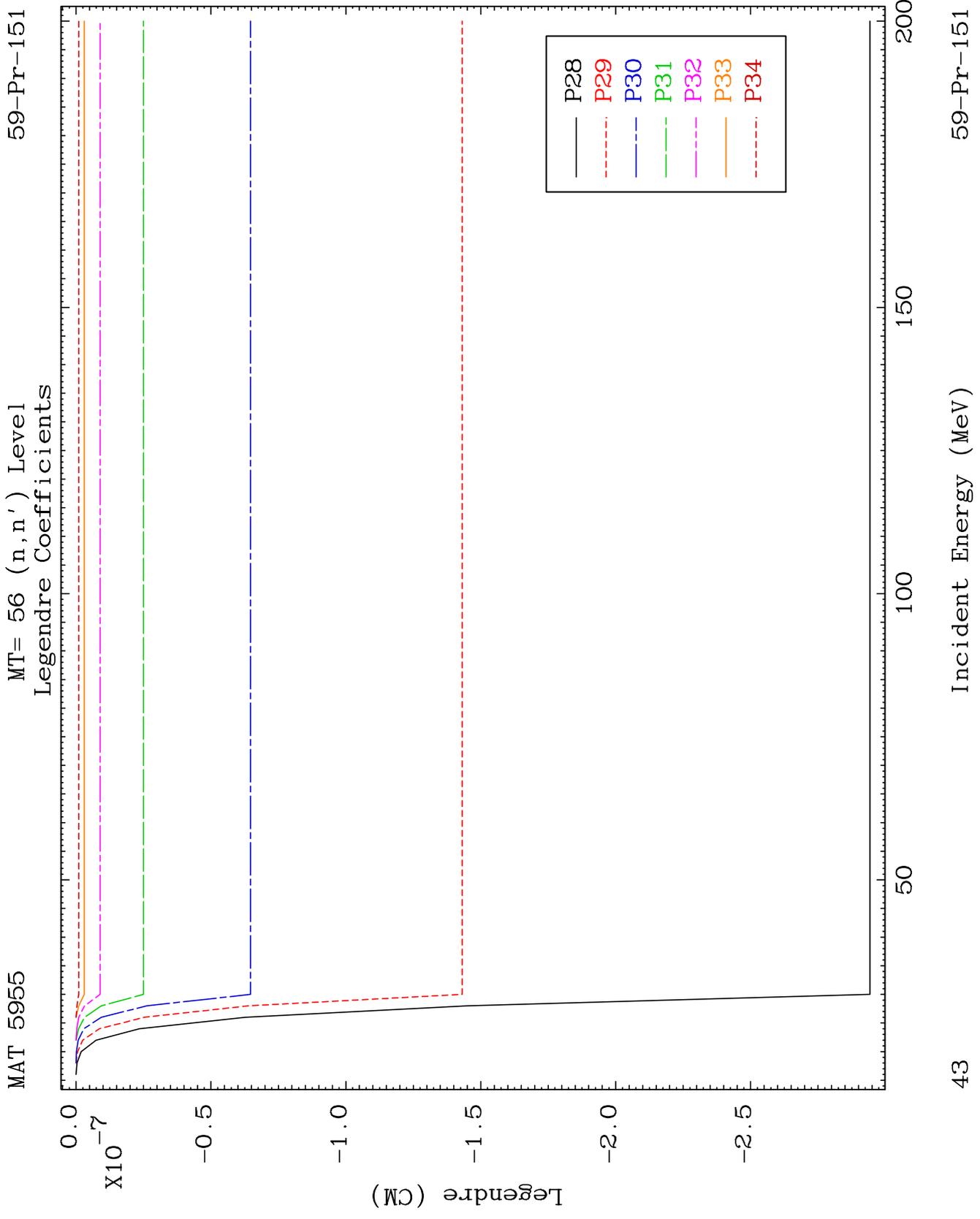
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42

Incident Energy (MeV)

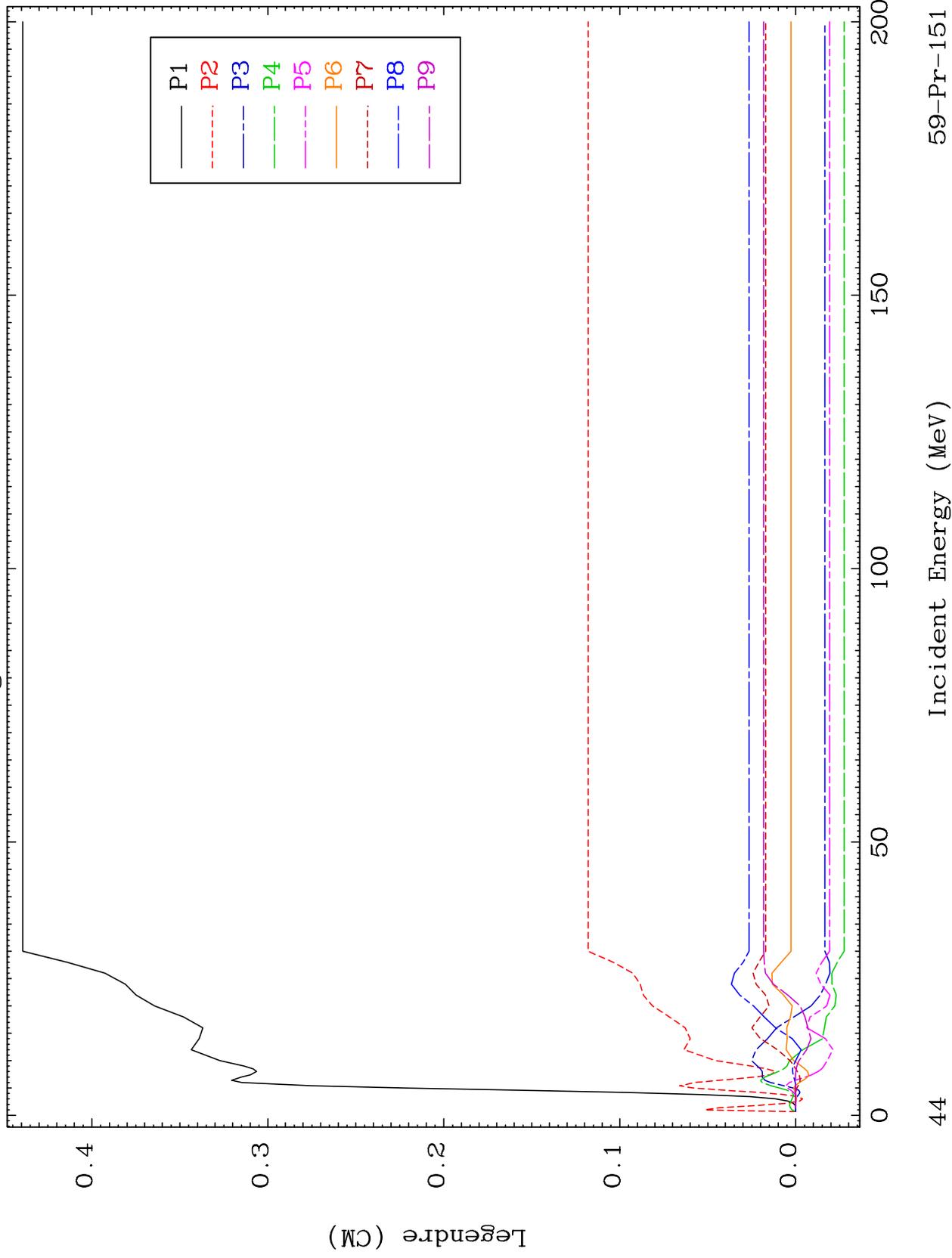
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MAT 5955

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

59-Pr-151



44

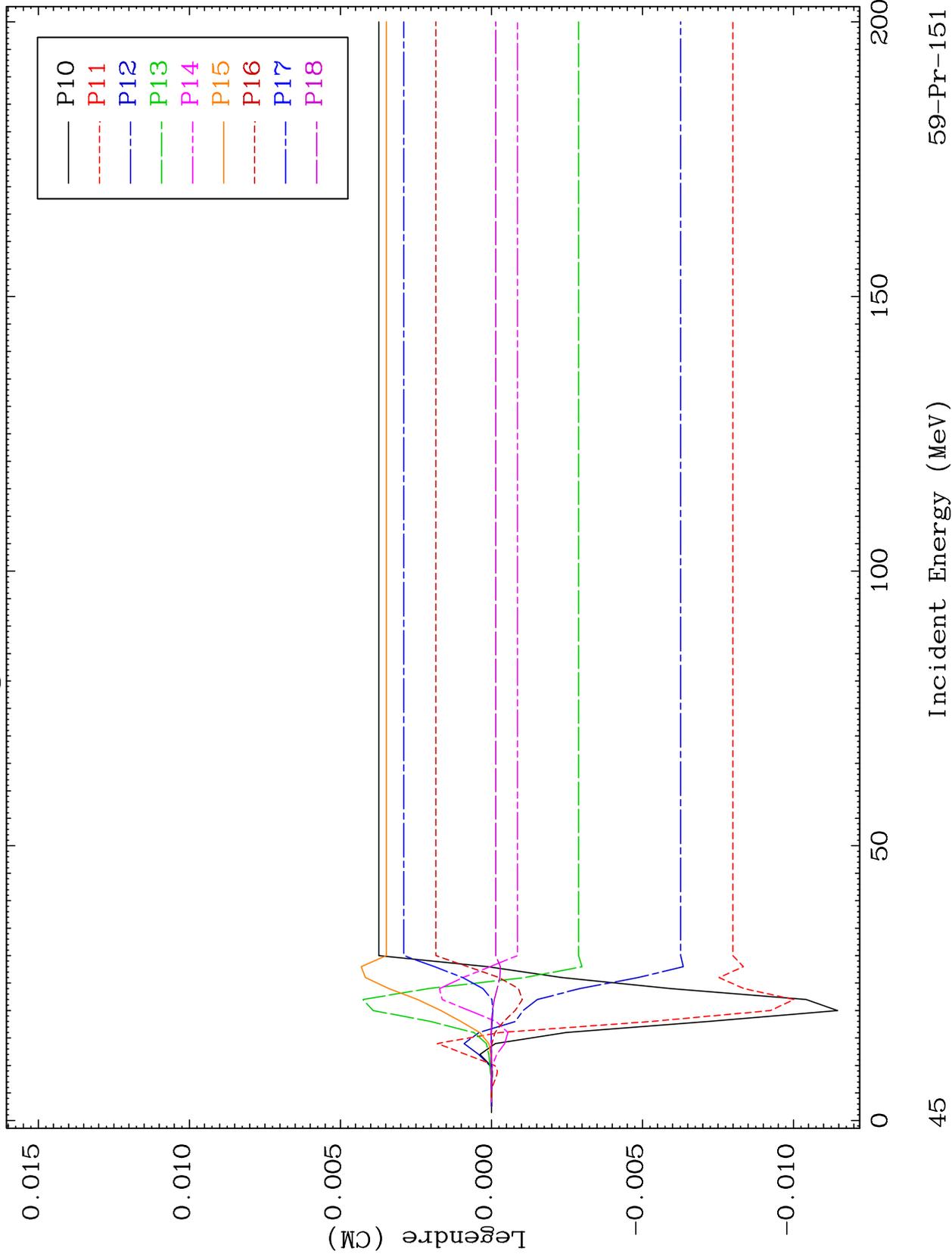
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

59-Pr-151



59-Pr-151

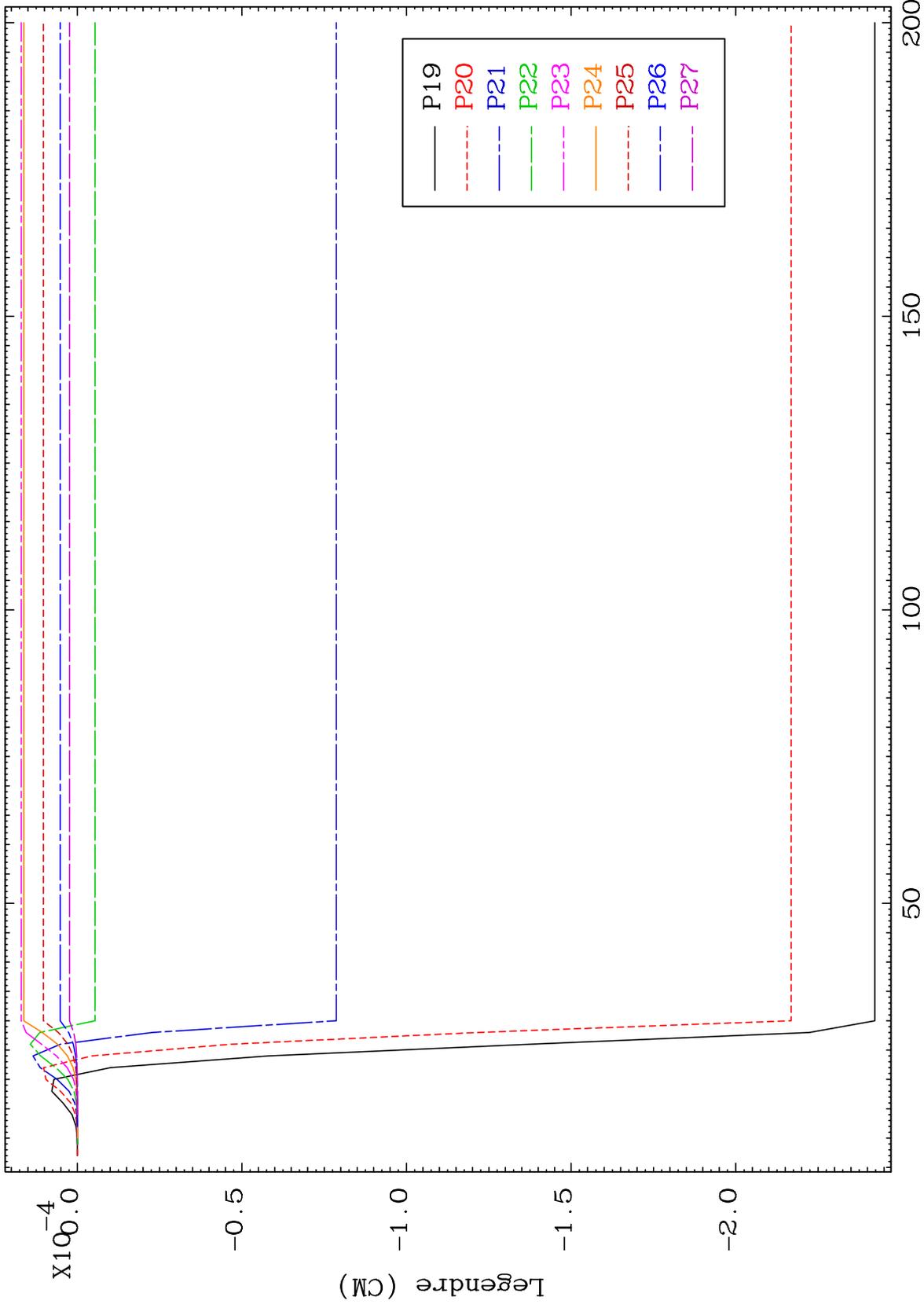
Incident Energy (MeV)

45

MAT 5955

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

59-Pr-151



46

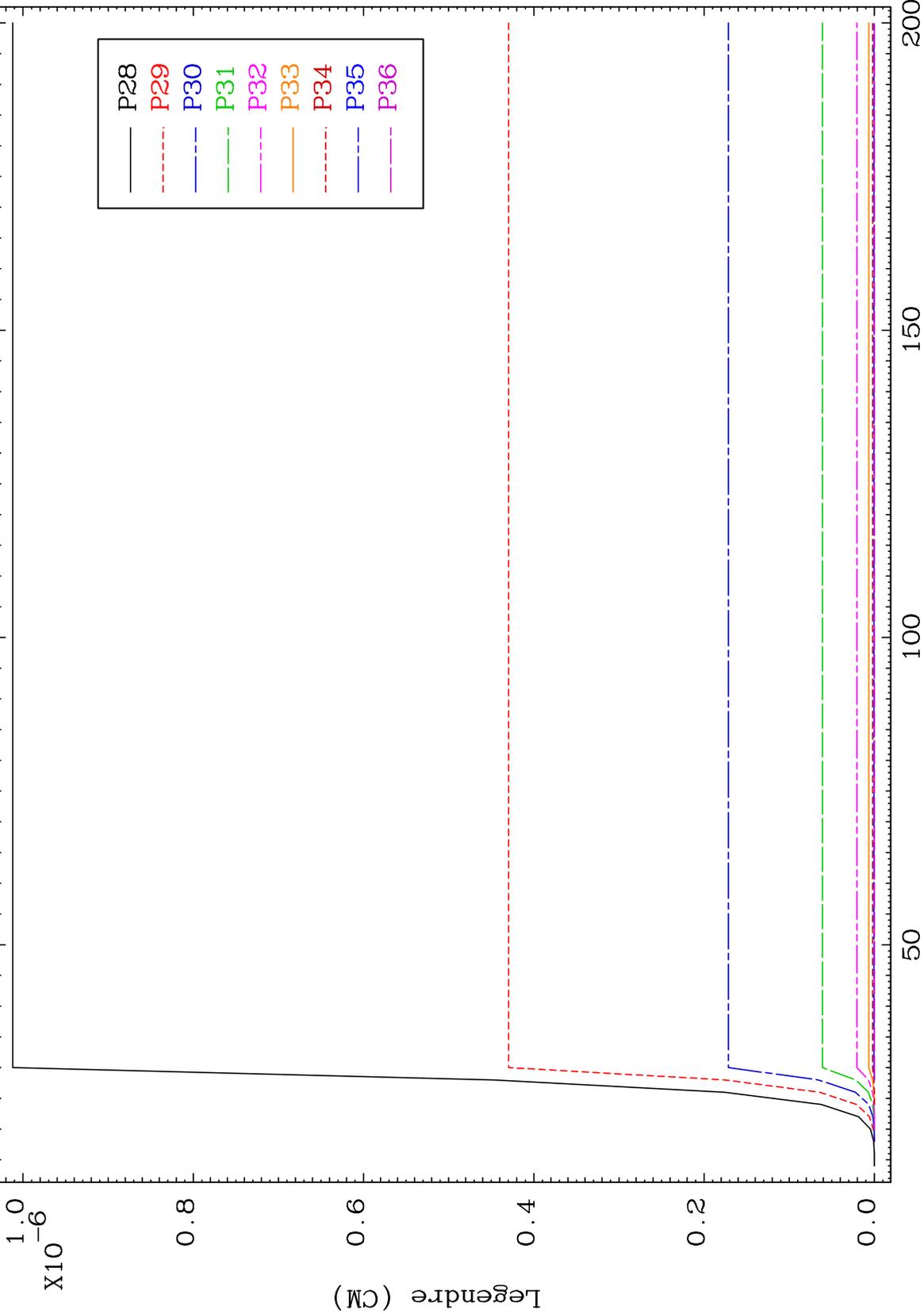
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

59-Pr-151



47

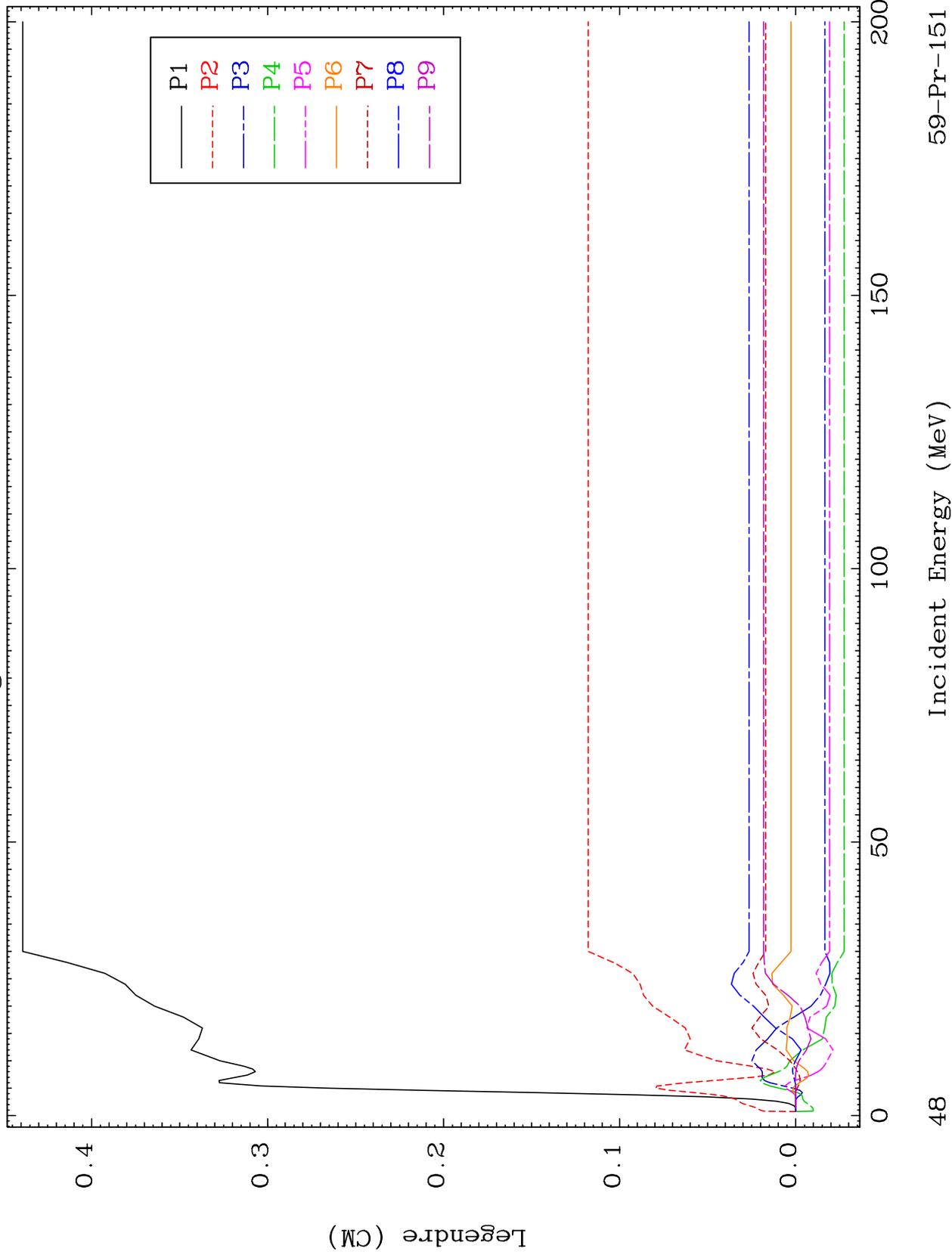
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

59-Pr-151



59-Pr-151

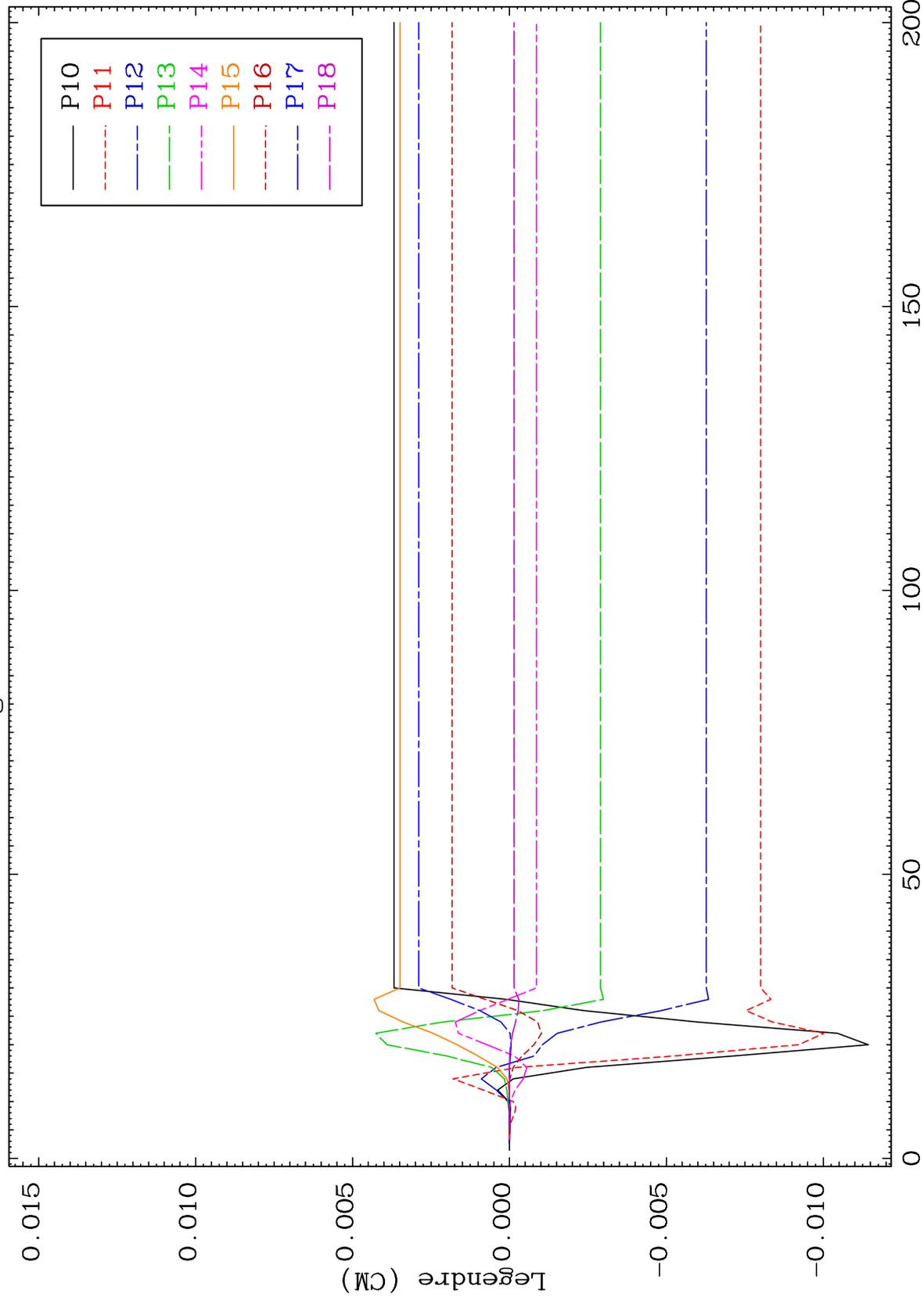
Incident Energy (MeV)

48

MAT 5955

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

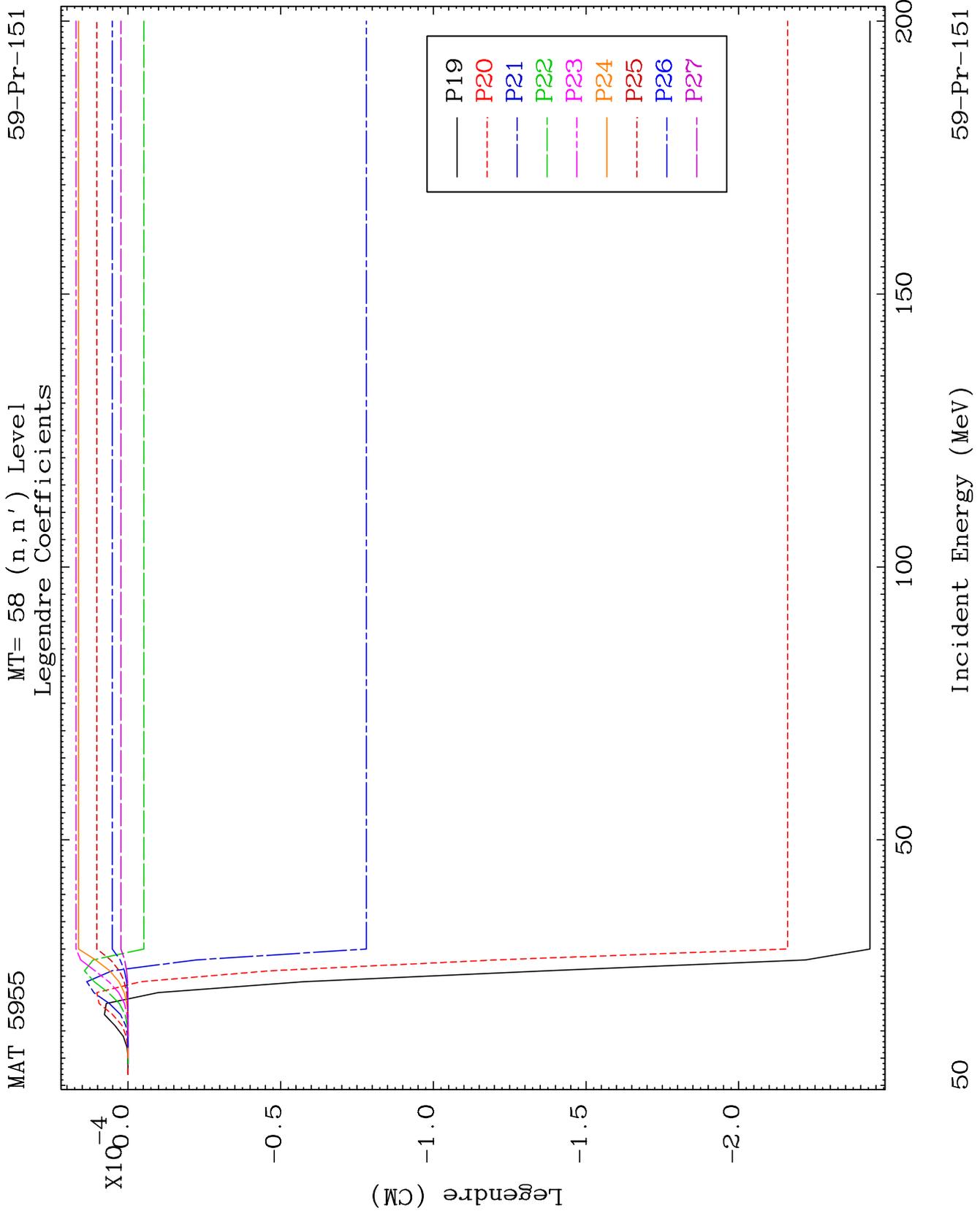
59-Pr-151



49

Incident Energy (MeV)

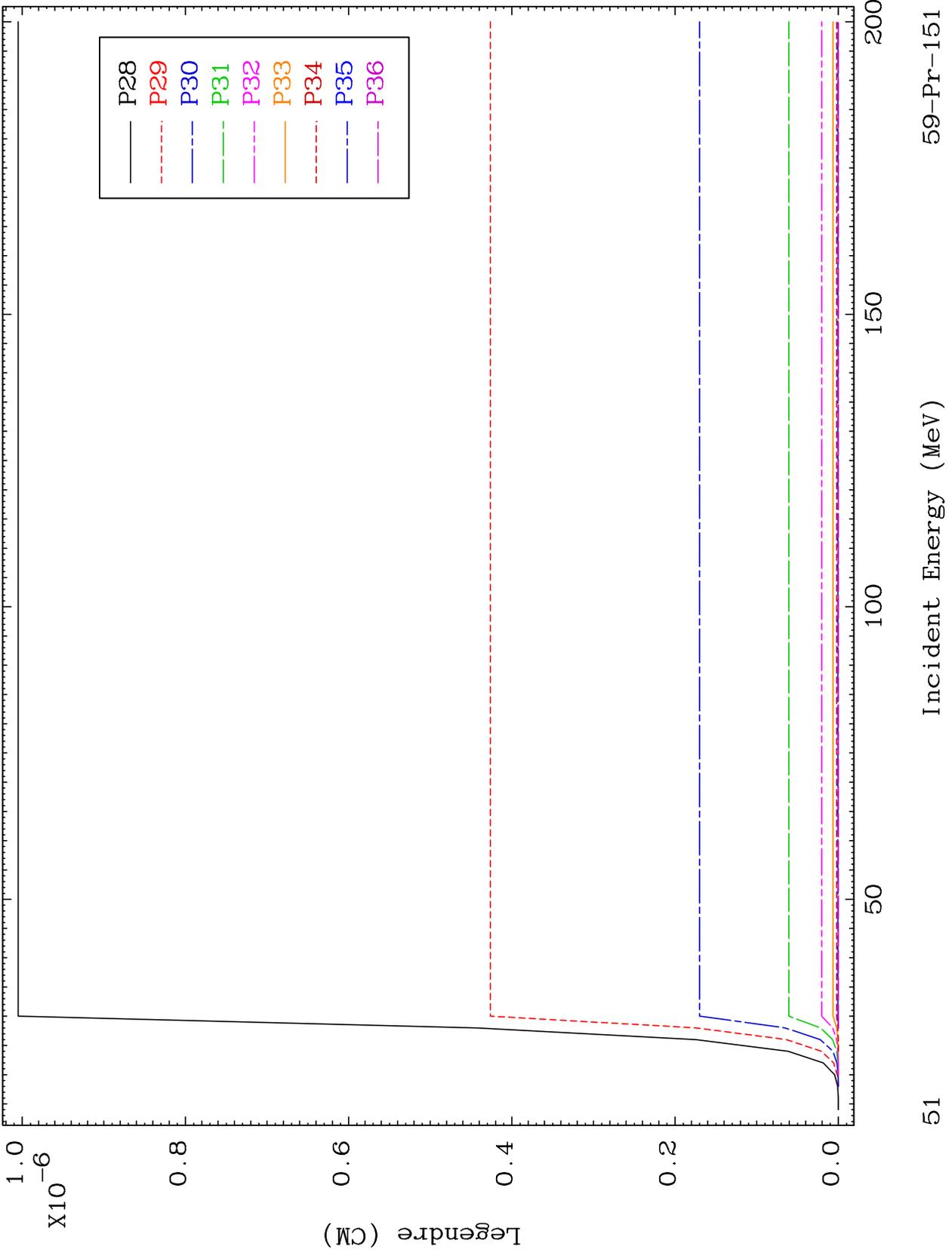
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MAT 5955

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

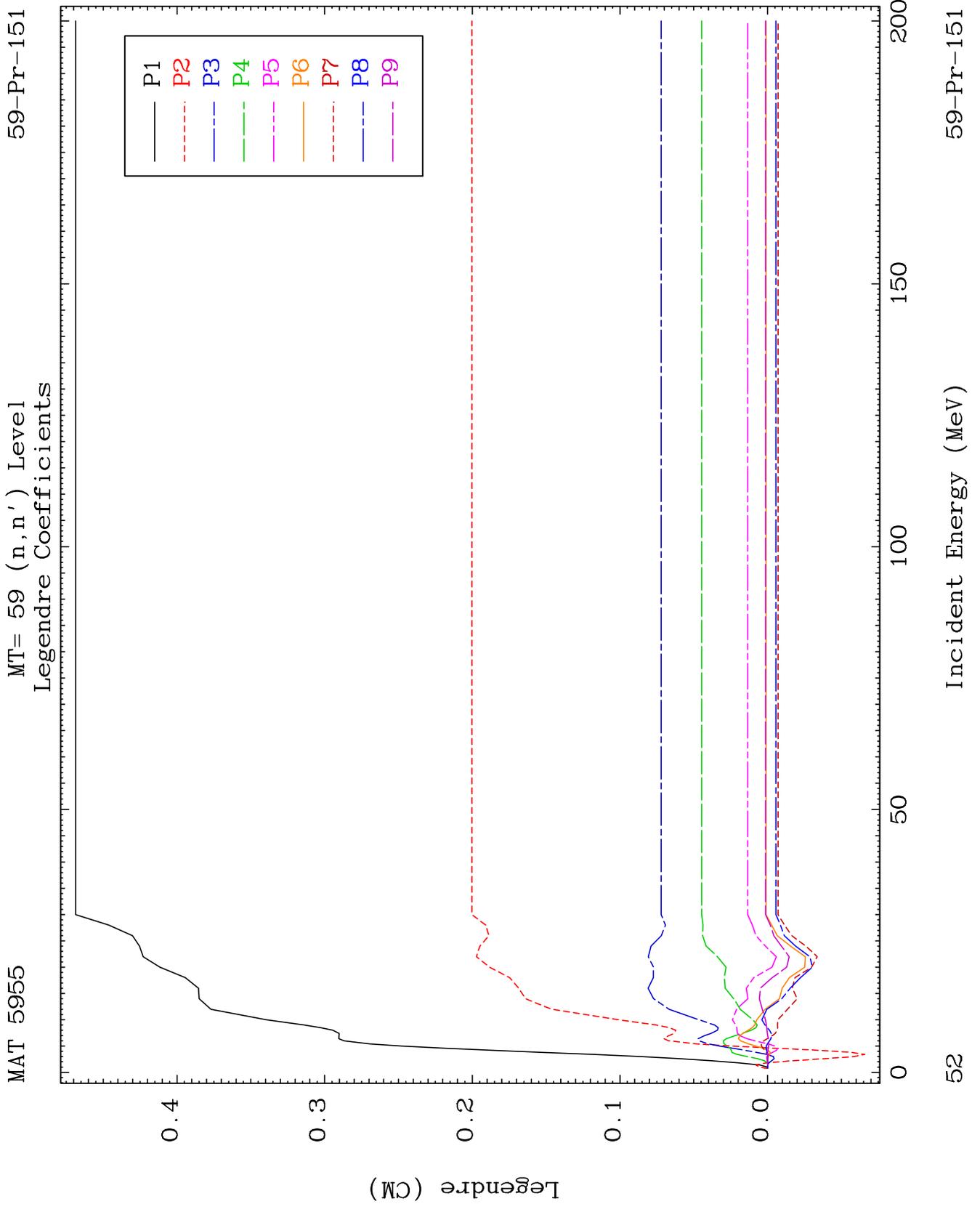
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51

Incident Energy (MeV)

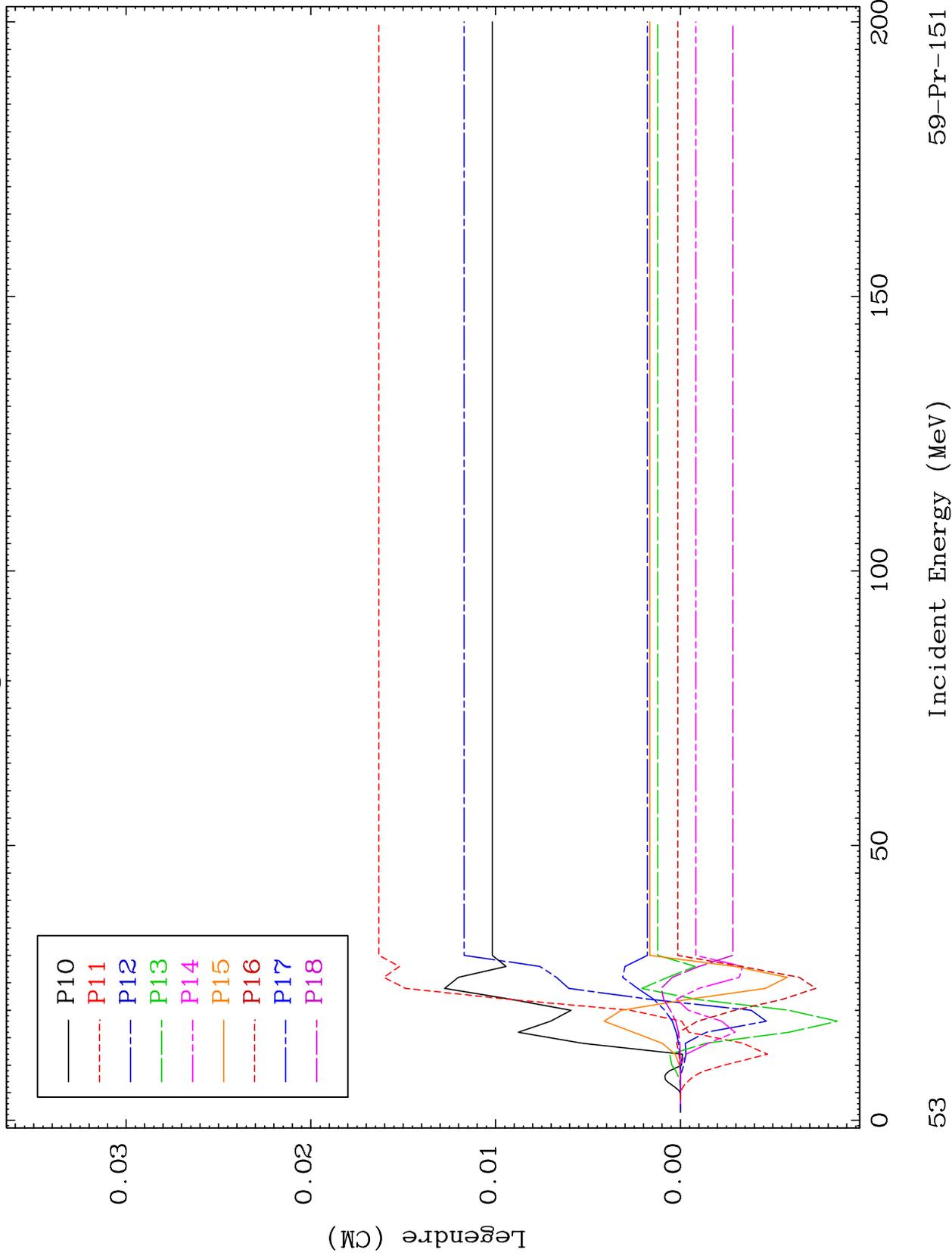
59-Pr-151



MAT 5955

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

59-Pr-151



53

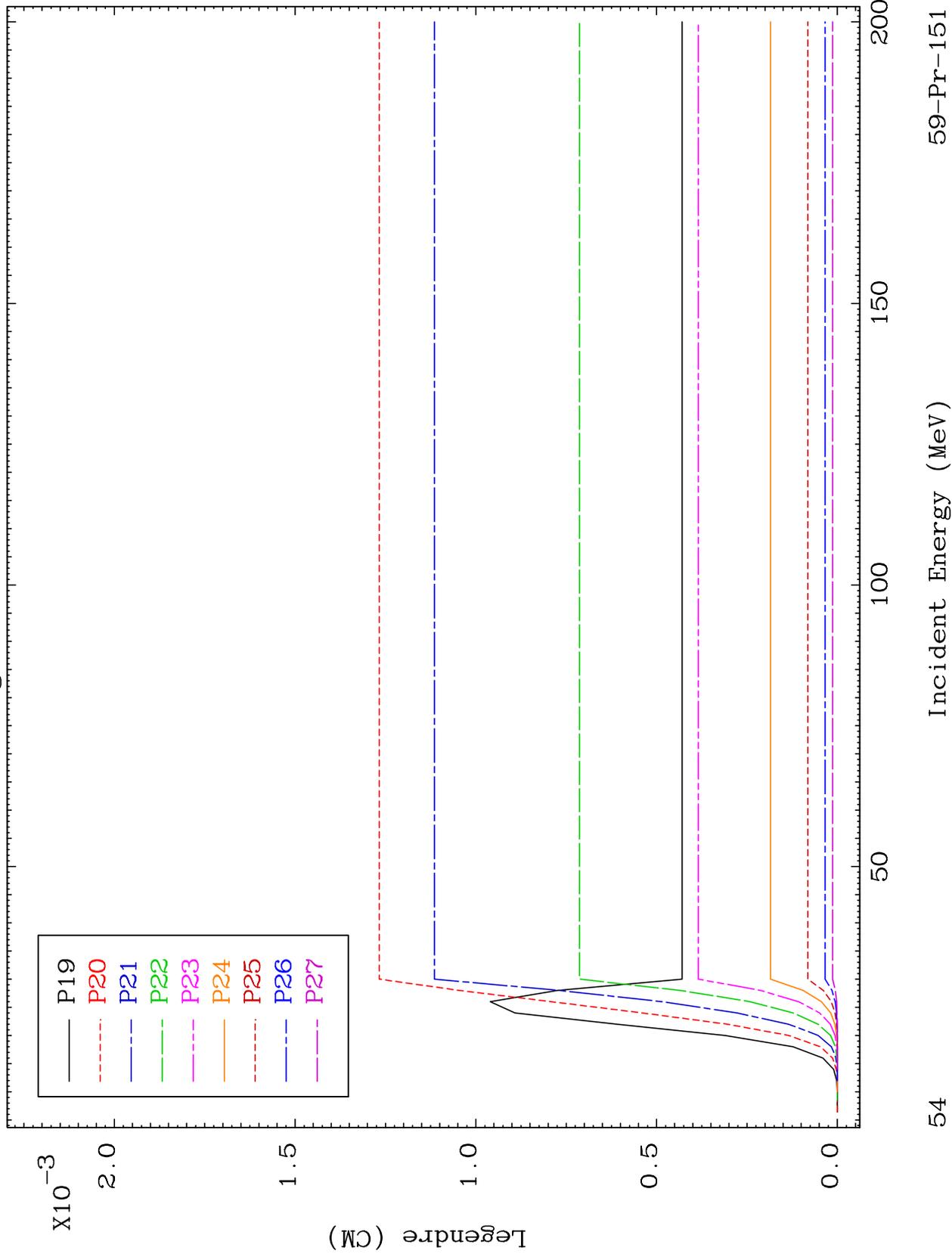
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

59-Pr-151



54

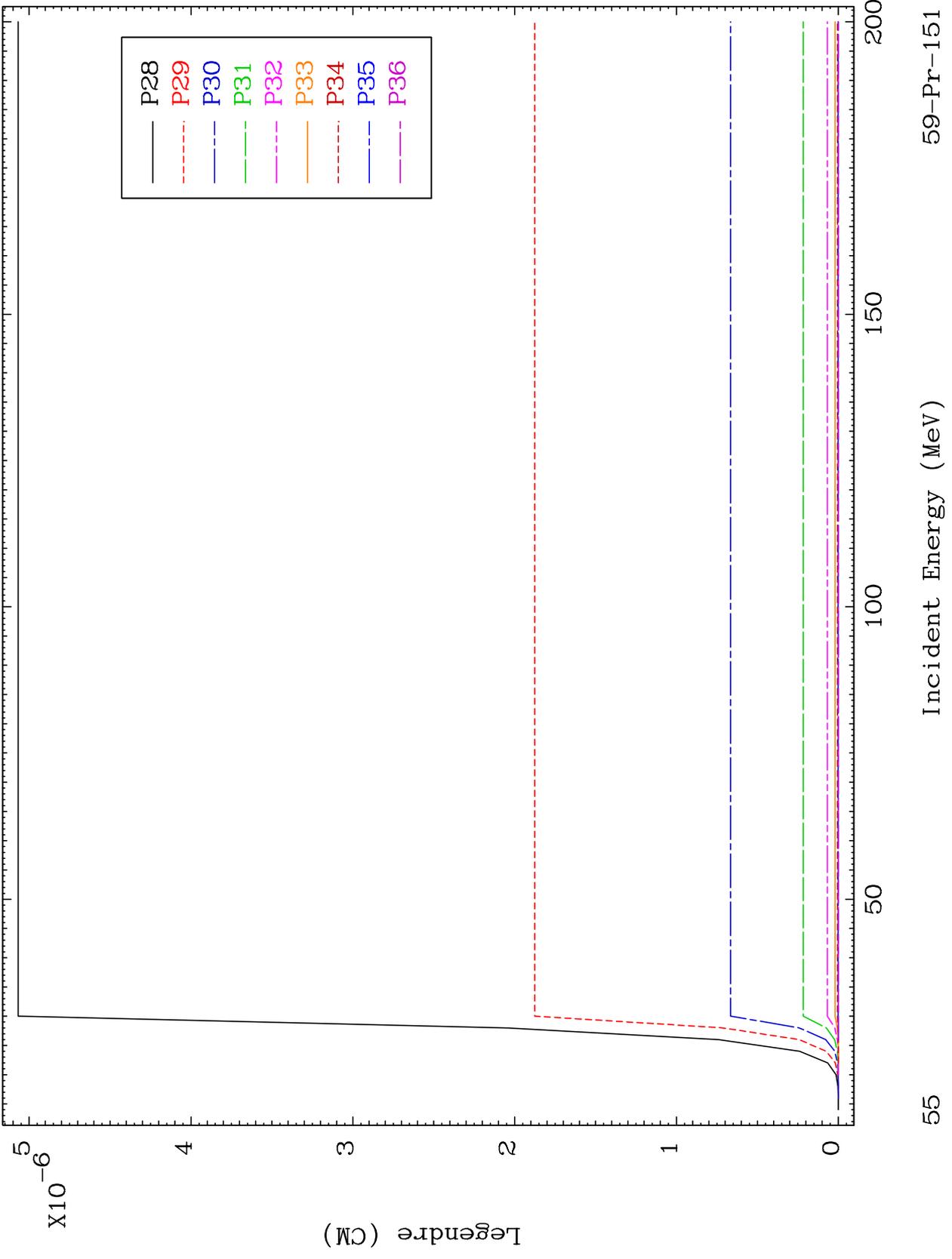
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

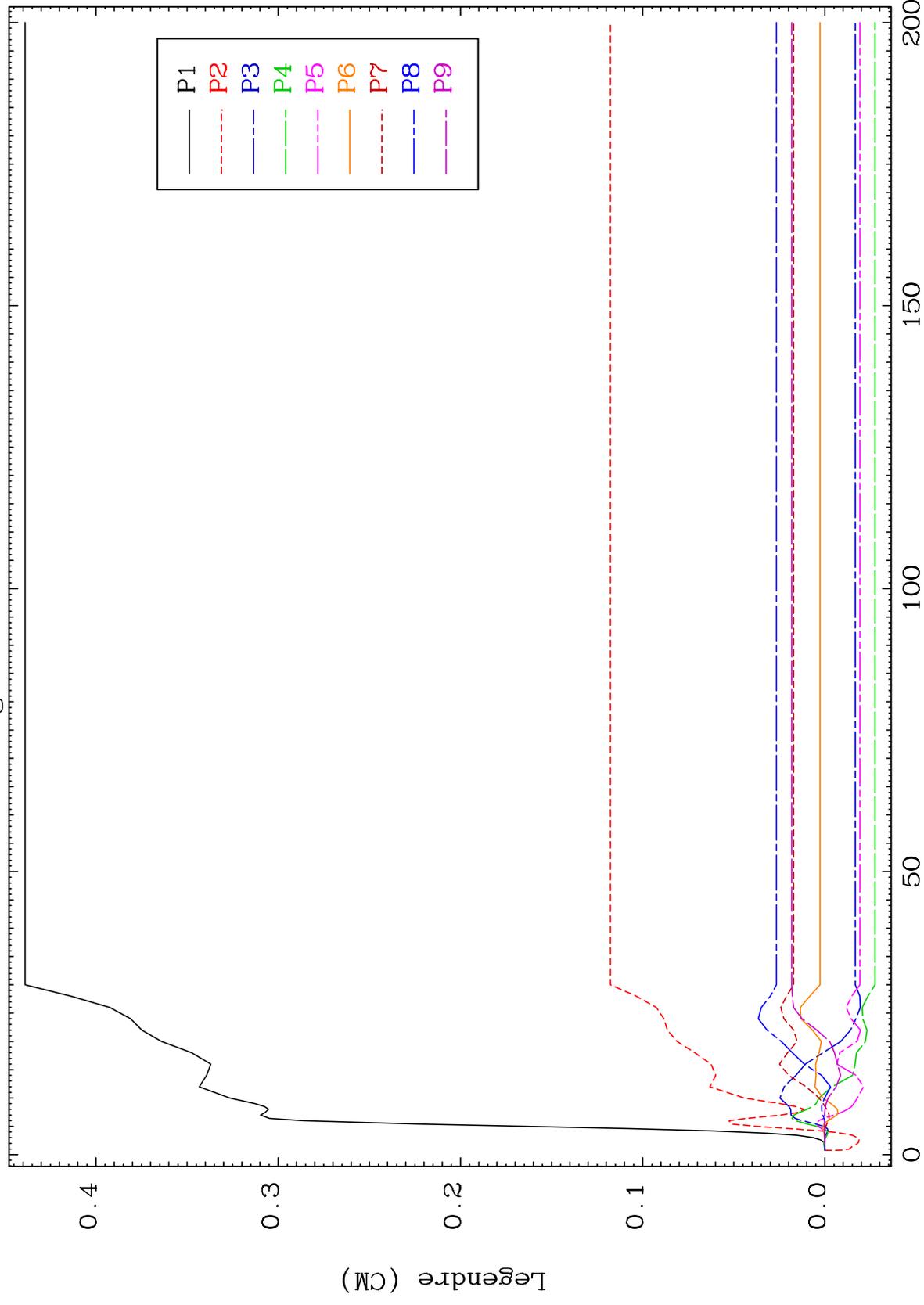
59-Pr-151



MAT 5955

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

59-Pr-151



59-Pr-151

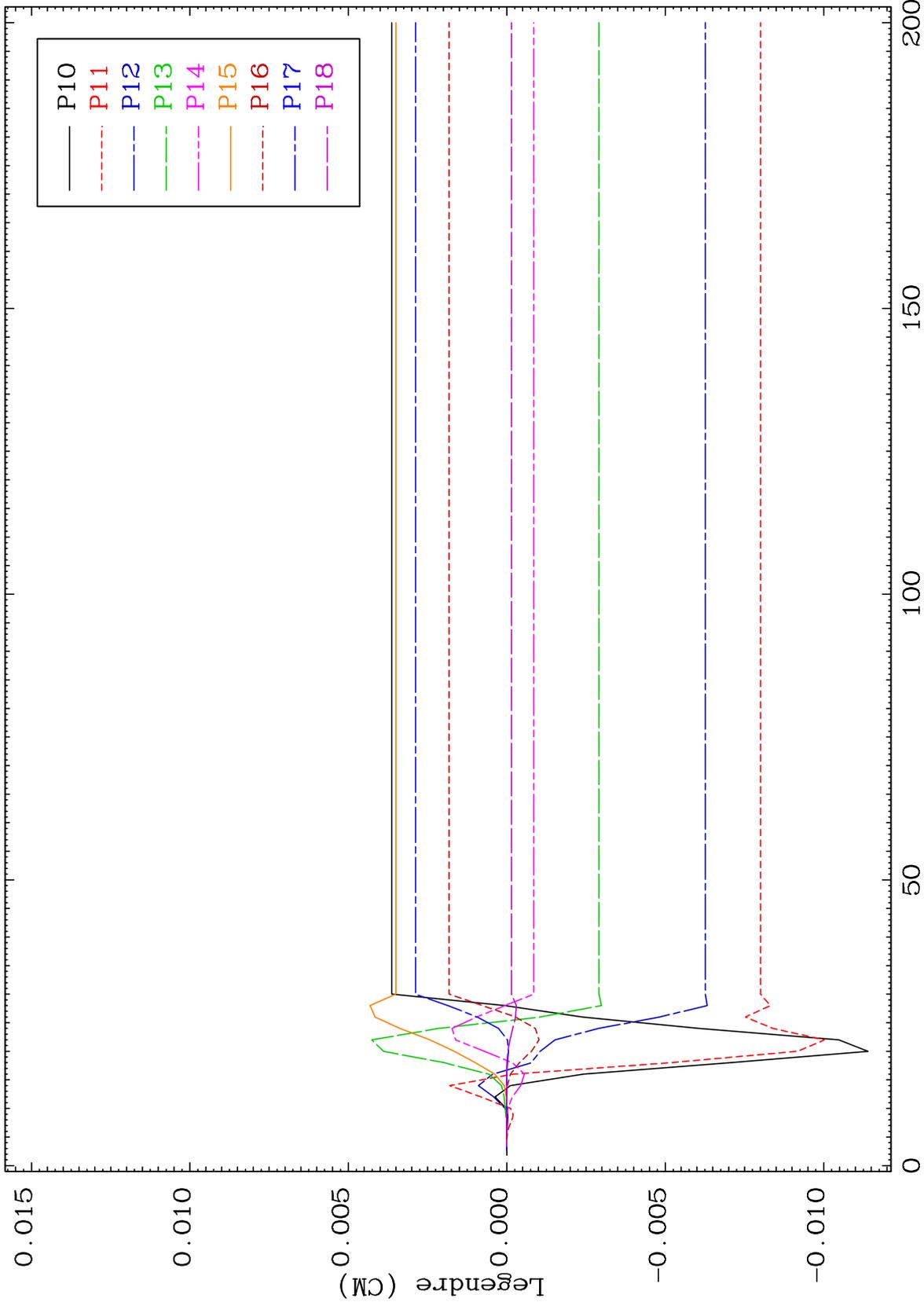
Incident Energy (MeV)

56

MAT 5955

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

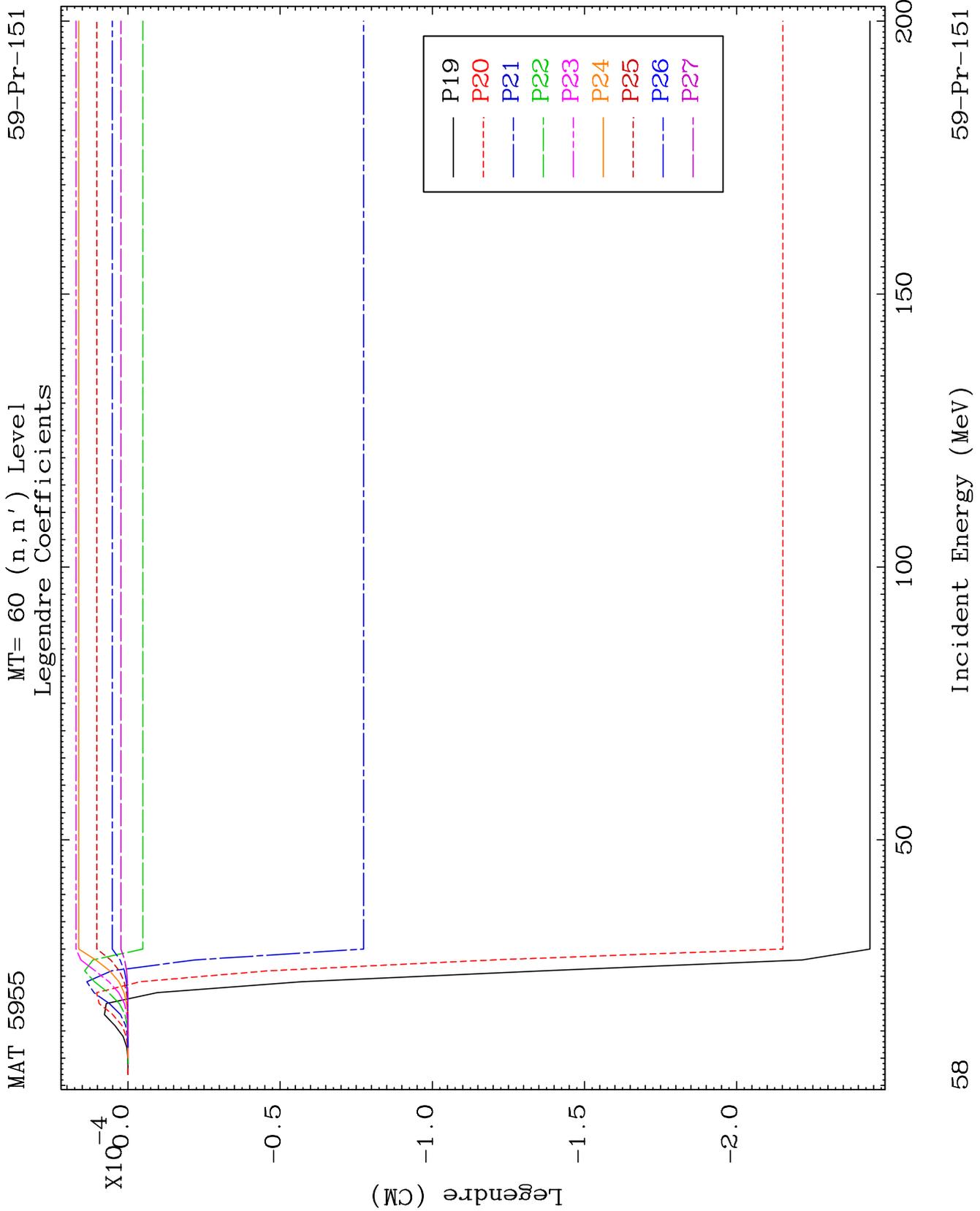
59-Pr-151



57

Incident Energy (MeV)

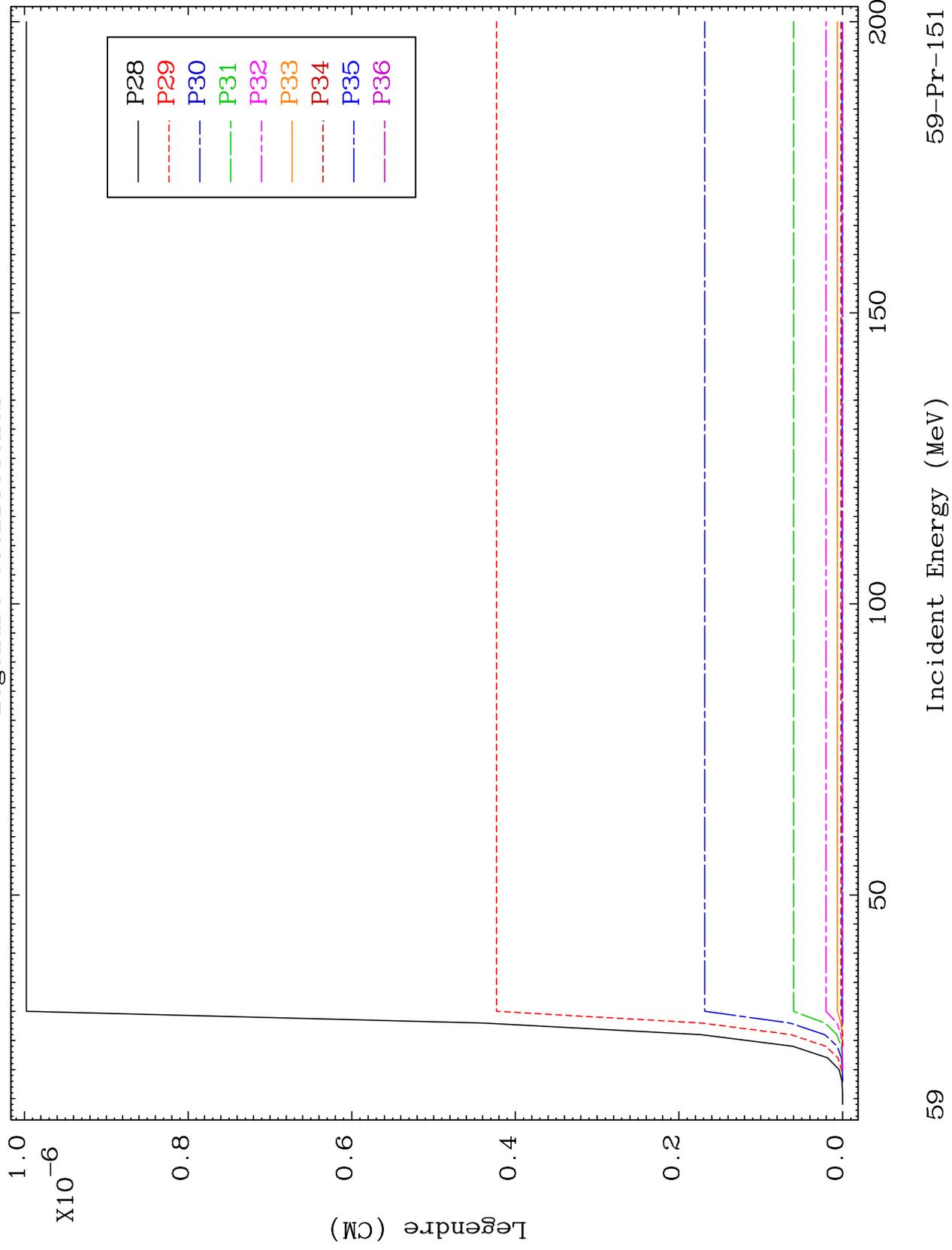
59-Pr-151



MAT 5955

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

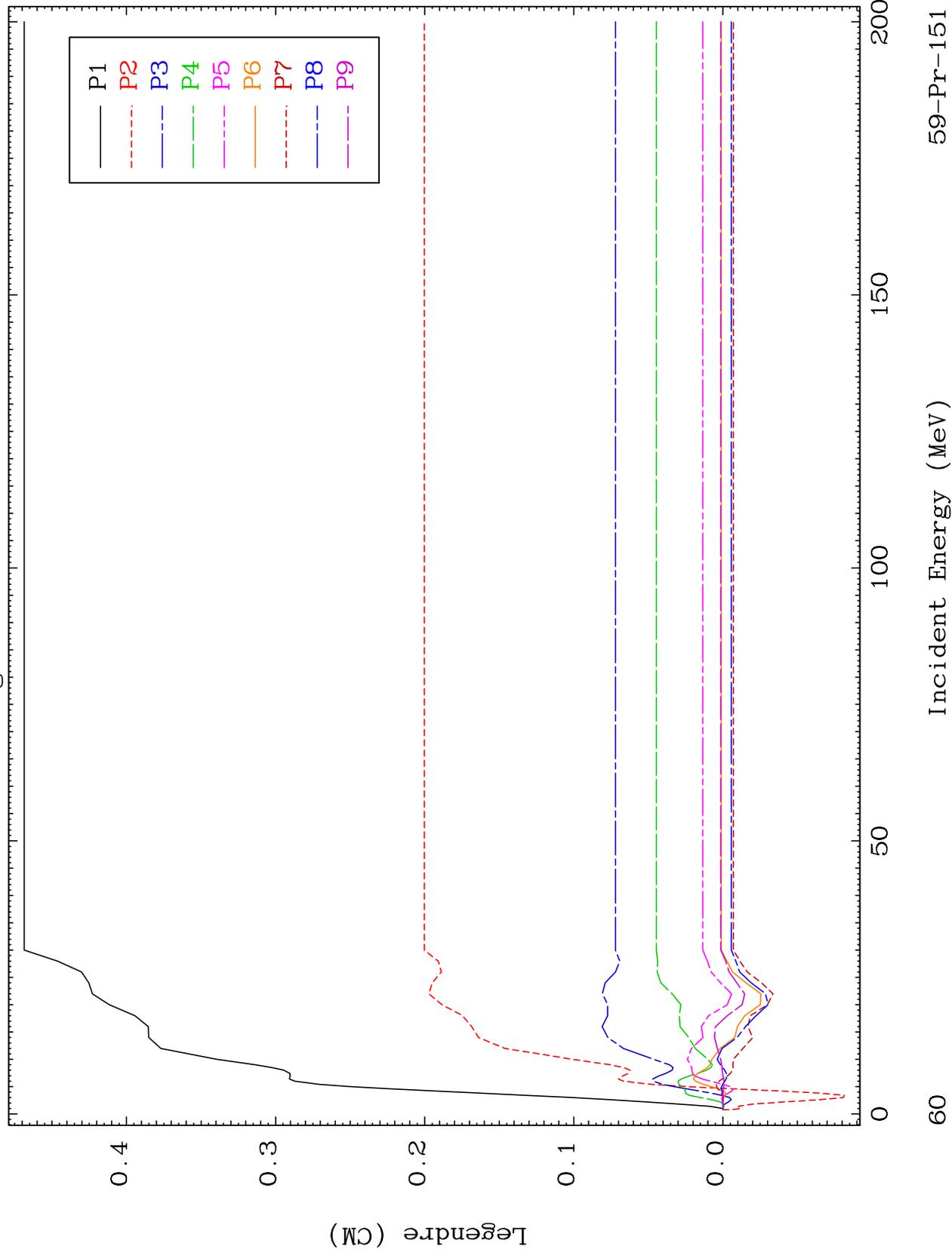
59-Pr-151



MAT 5955

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

59-Pr-151



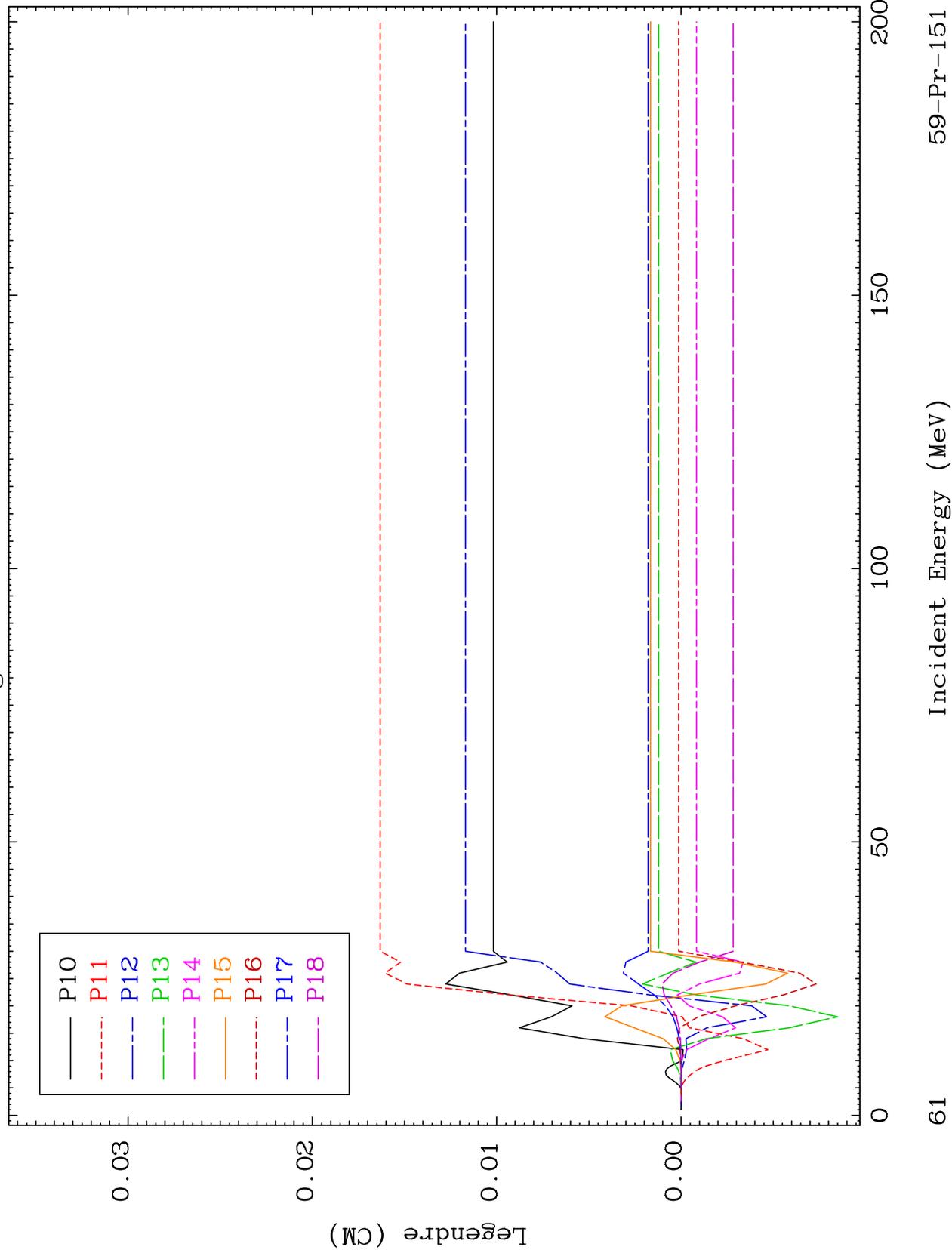
59-Pr-151

Incident Energy (MeV)

MAT 5955

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

59-Pr-151



61

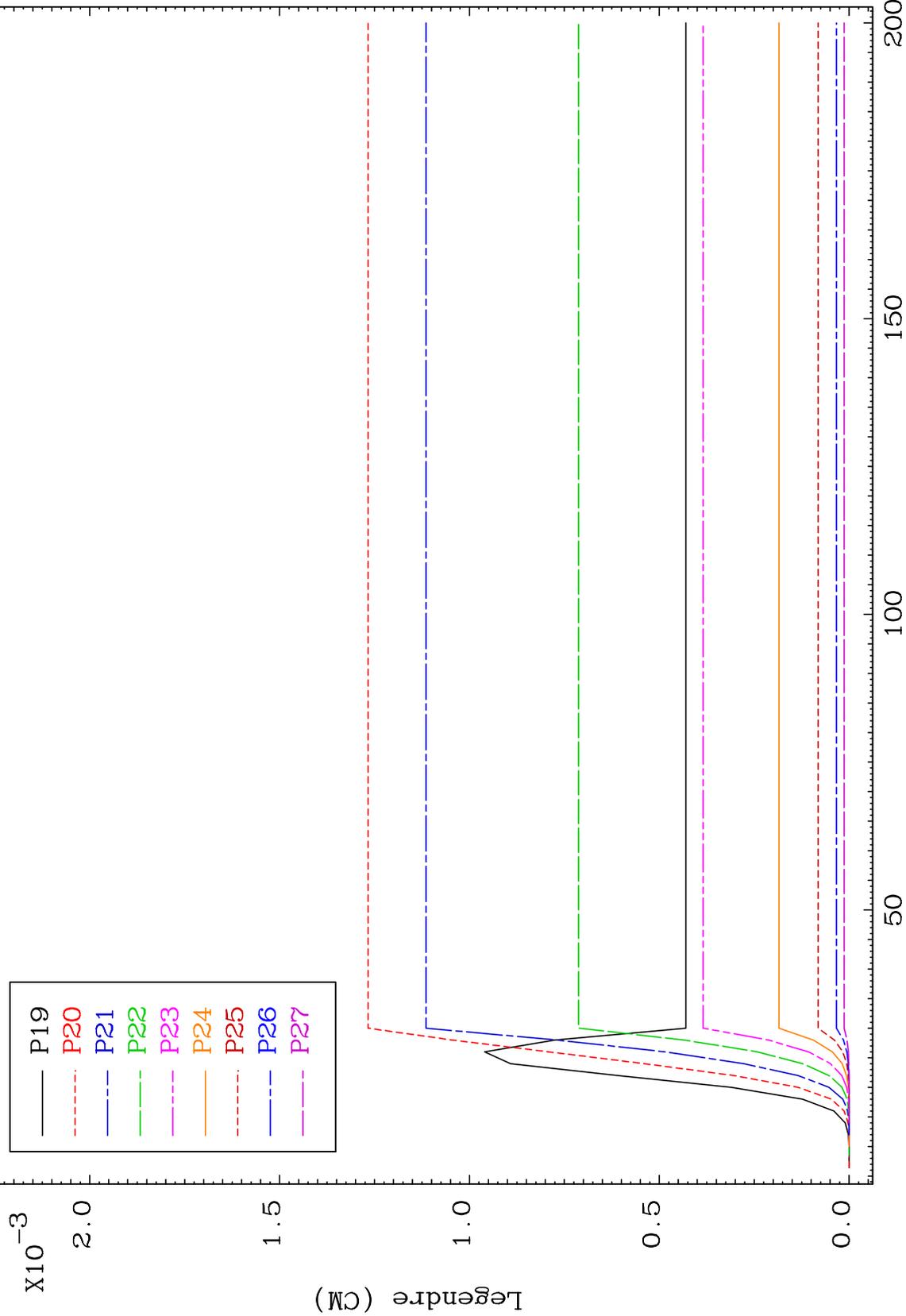
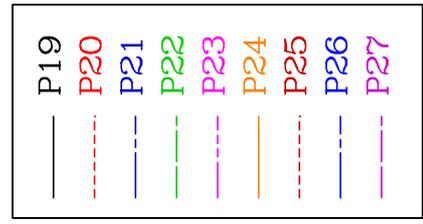
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

59-Pr-151



62

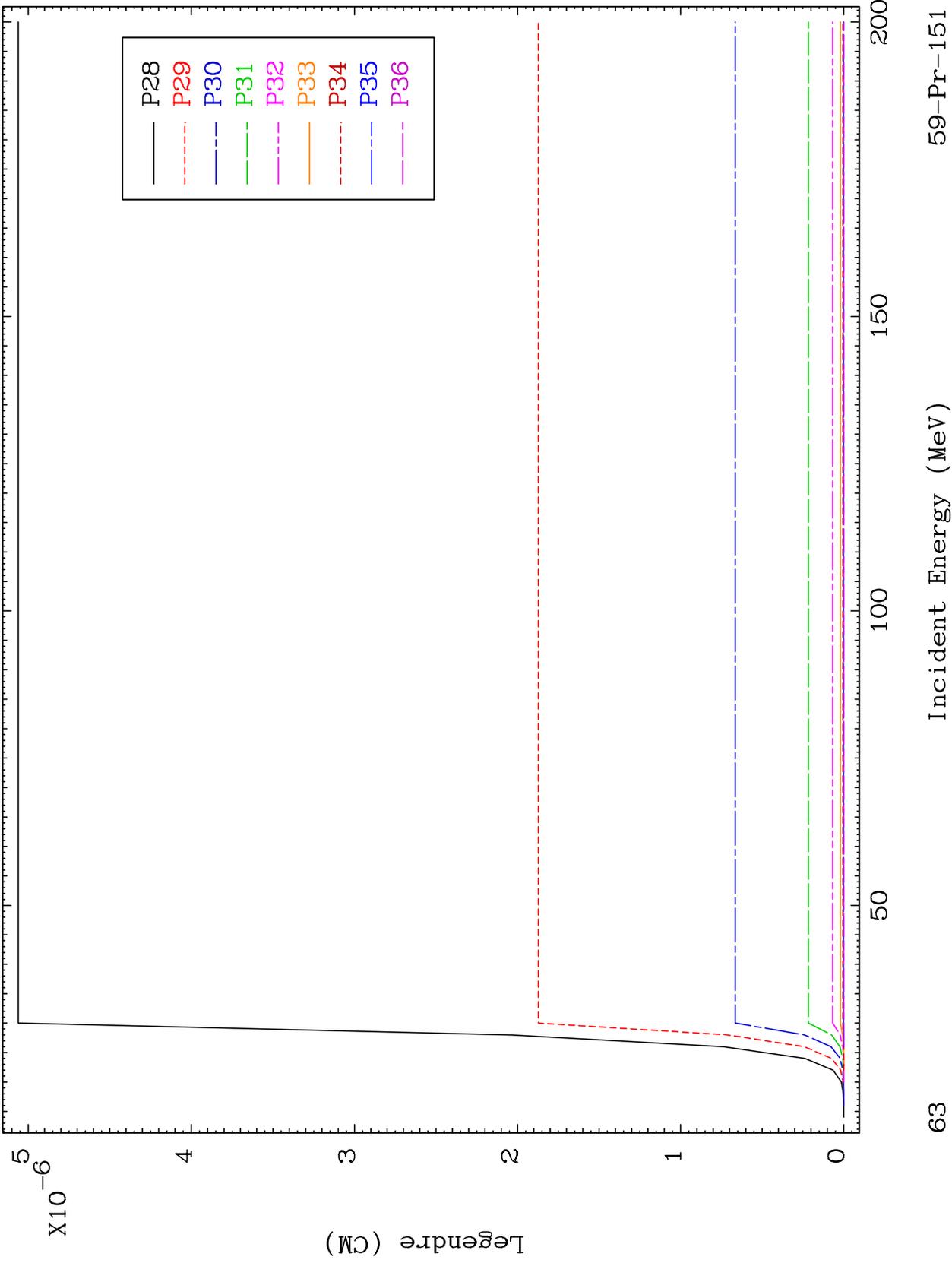
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

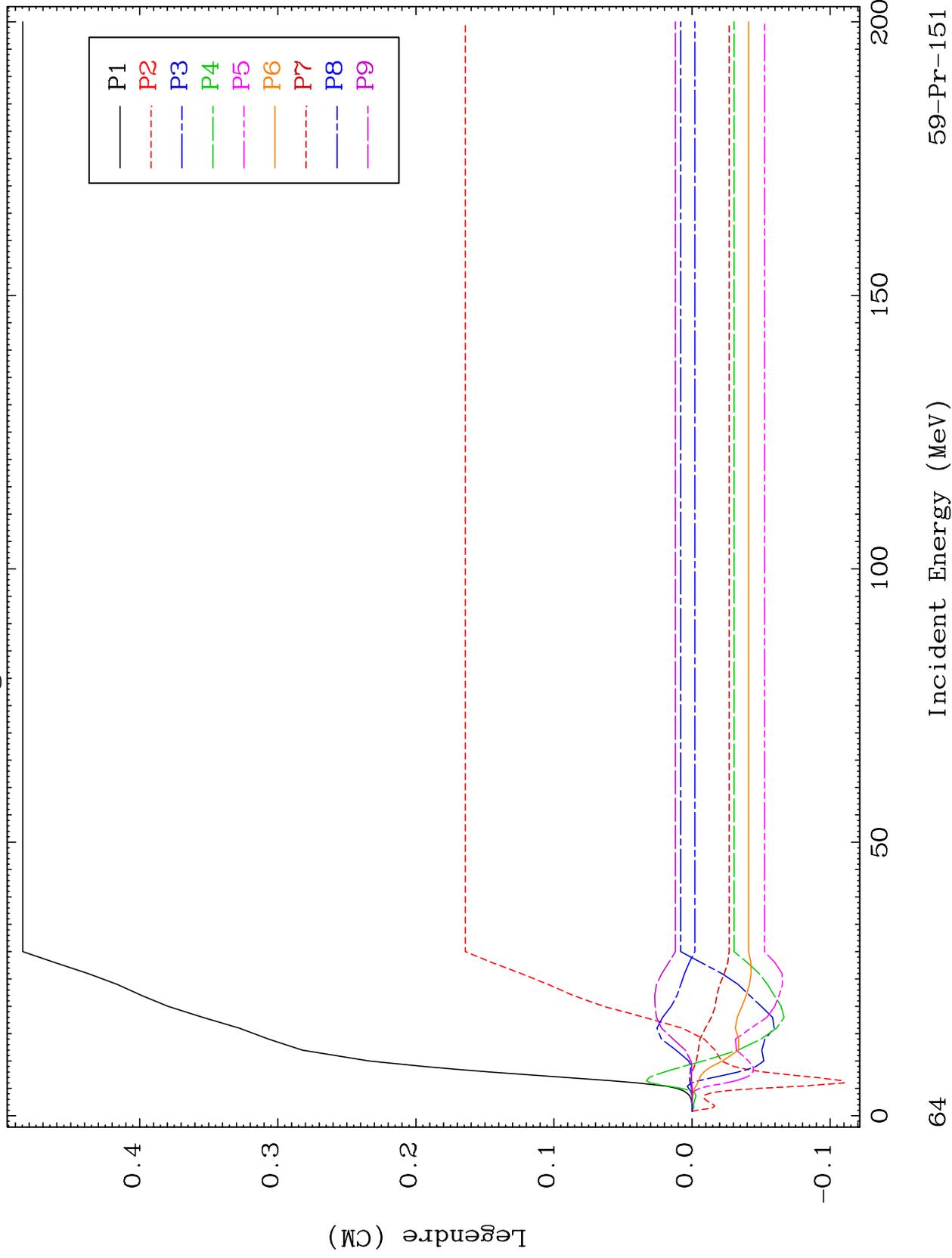
59-Pr-151



MAT 5955

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

59-Pr-151



59-Pr-151

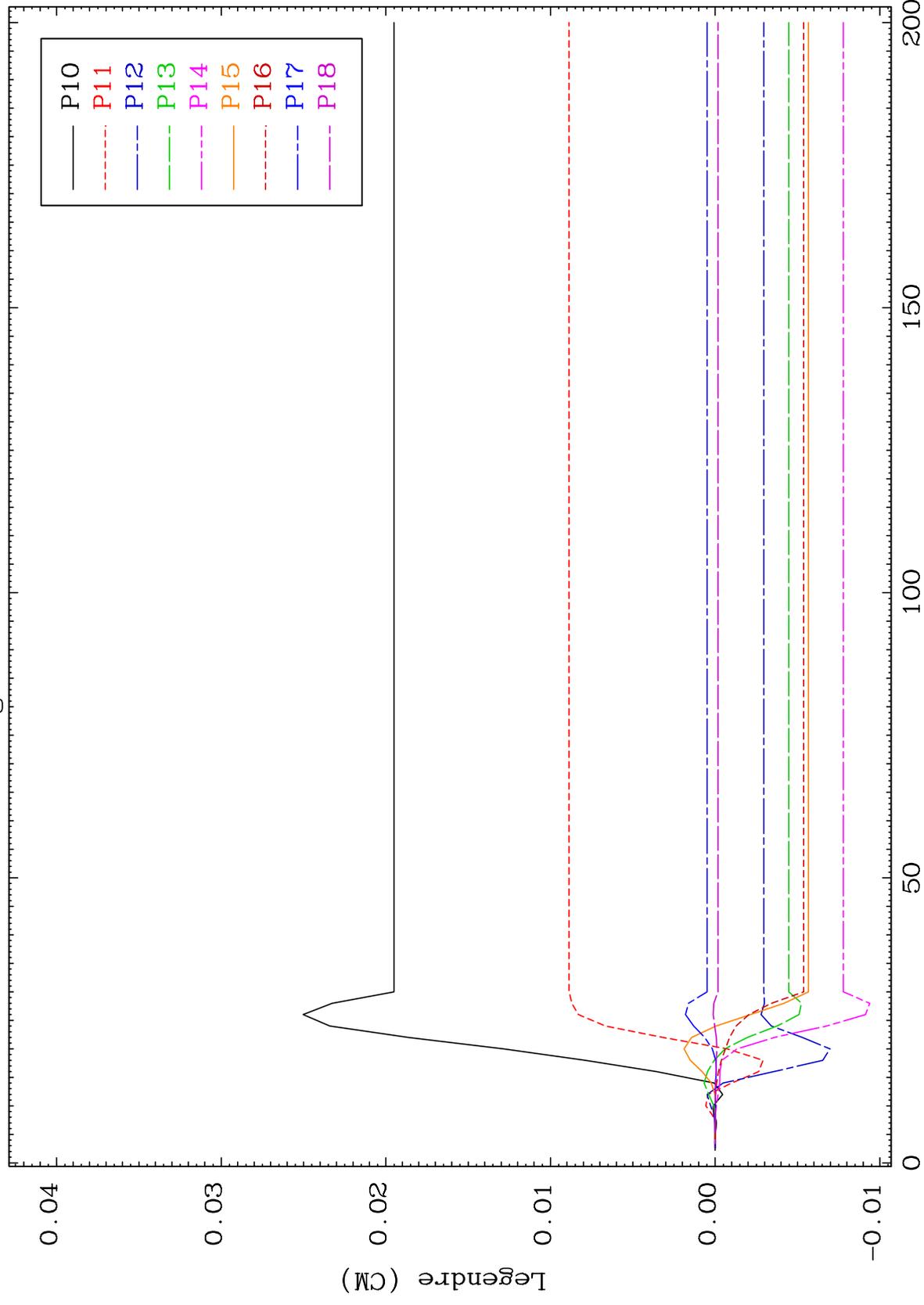
Incident Energy (MeV)

64

MAT 5955

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

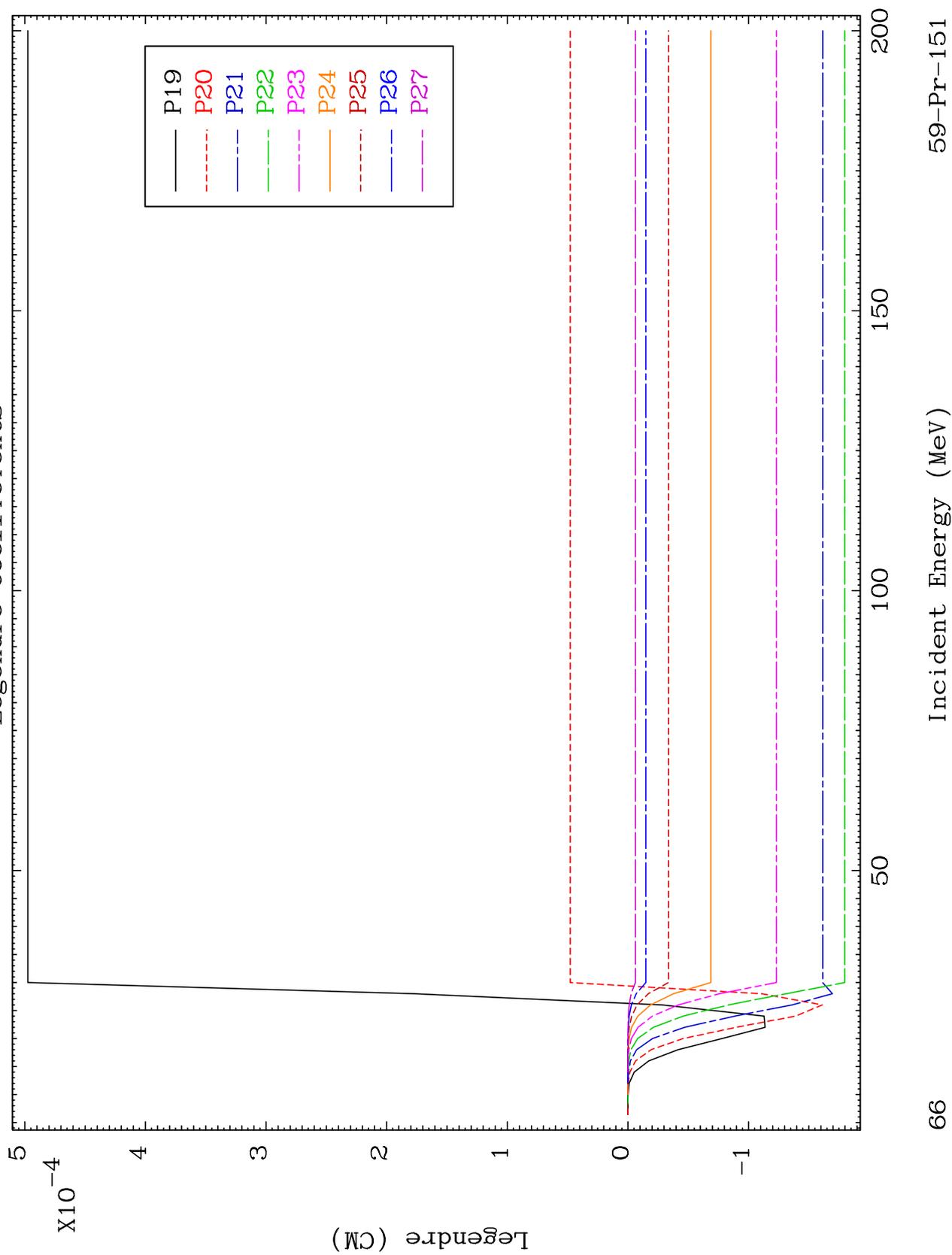
59-Pr-151



65

Incident Energy (MeV)

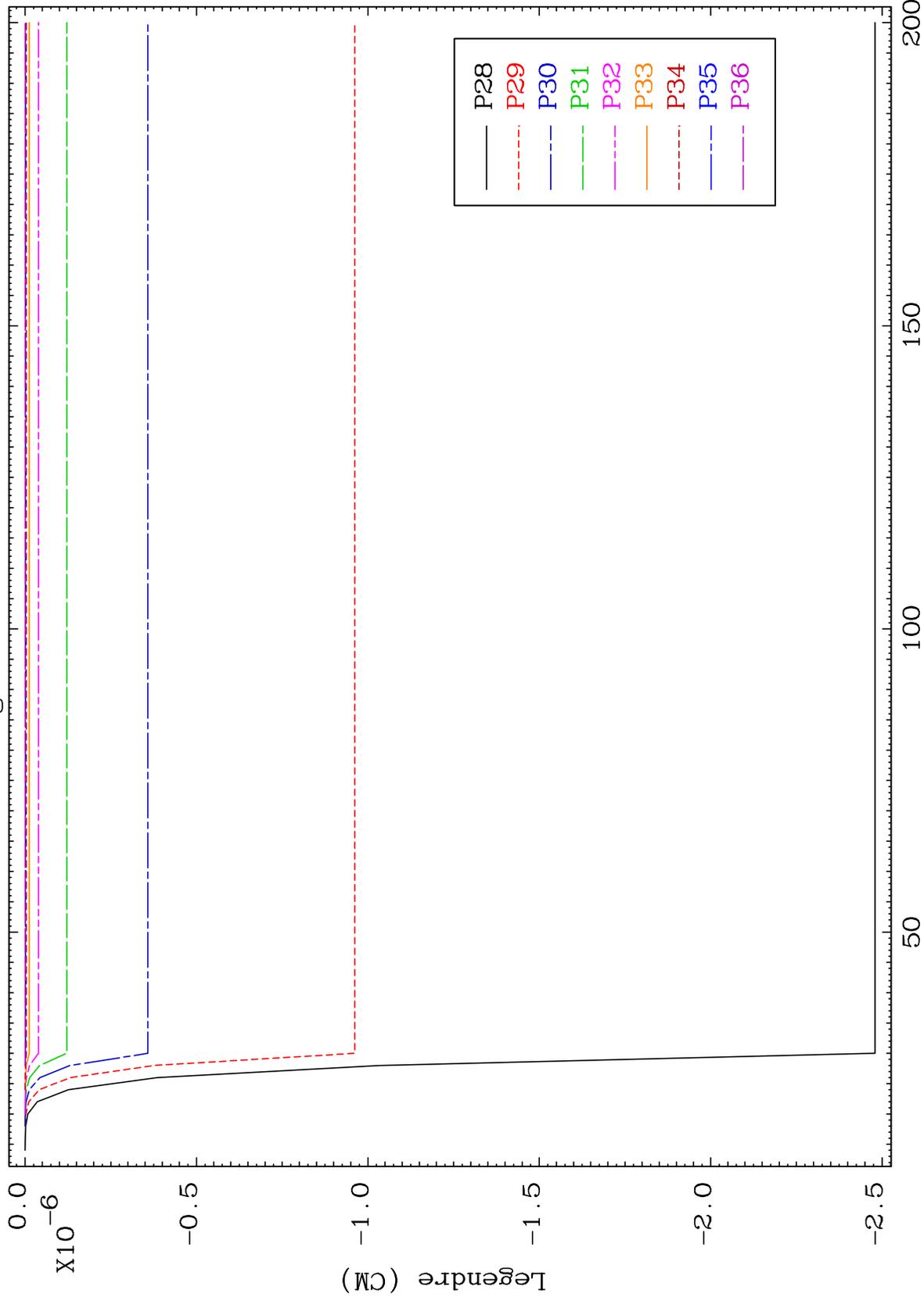
59-Pr-151



MAT 5955

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

59-Pr-151



67

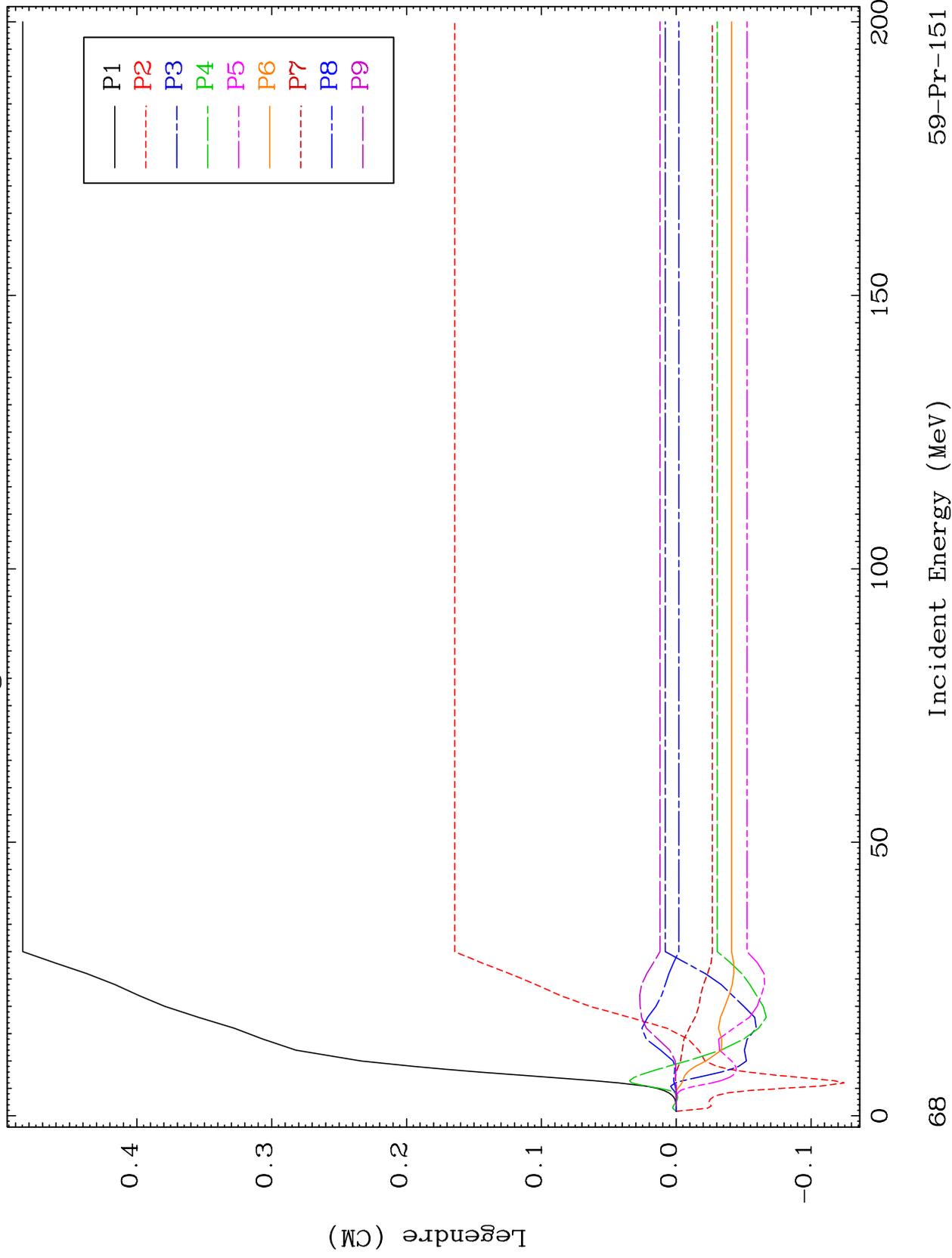
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

59-Pr-151



59-Pr-151

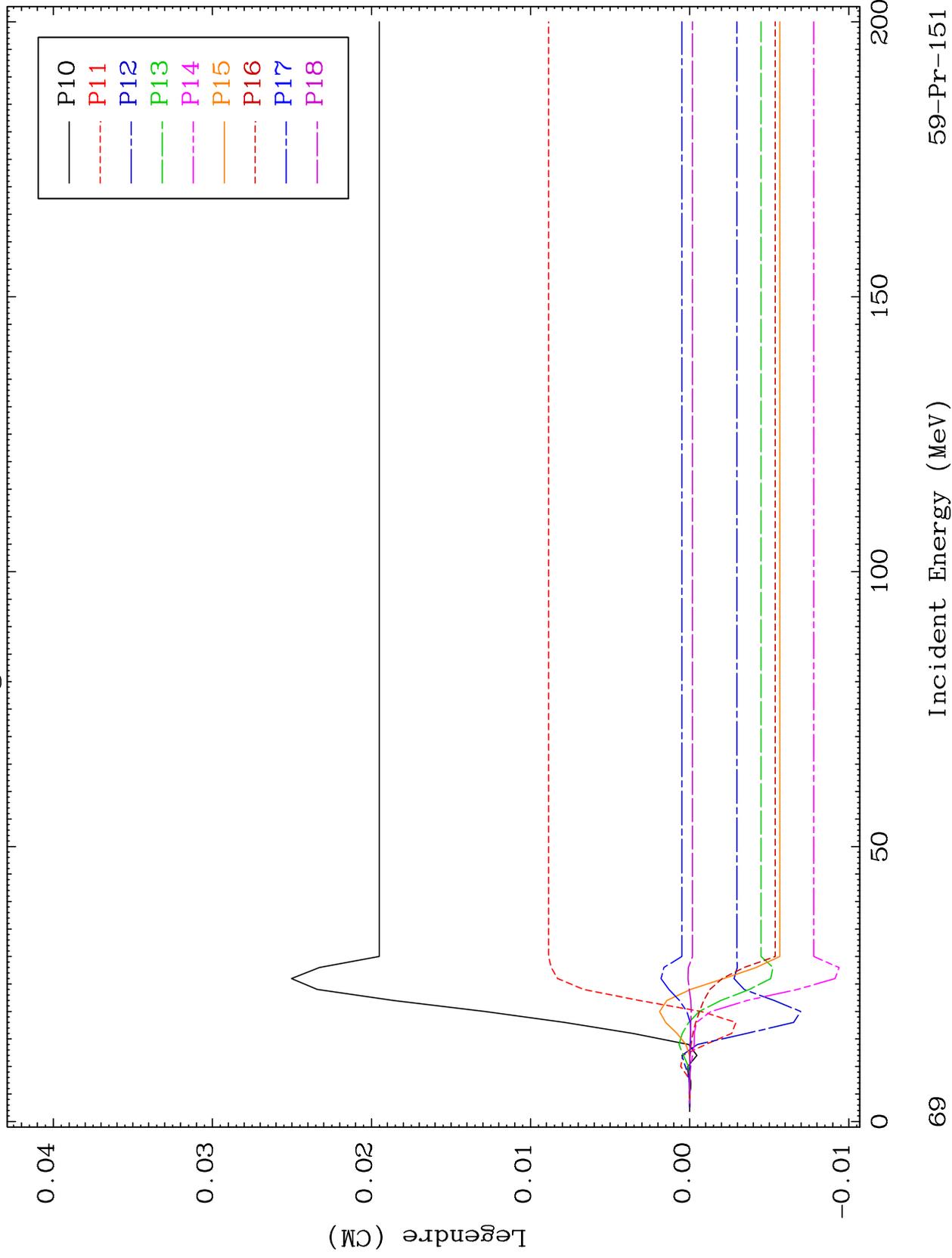
Incident Energy (MeV)

68

MAT 5955

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

59-Pr-151



59-Pr-151

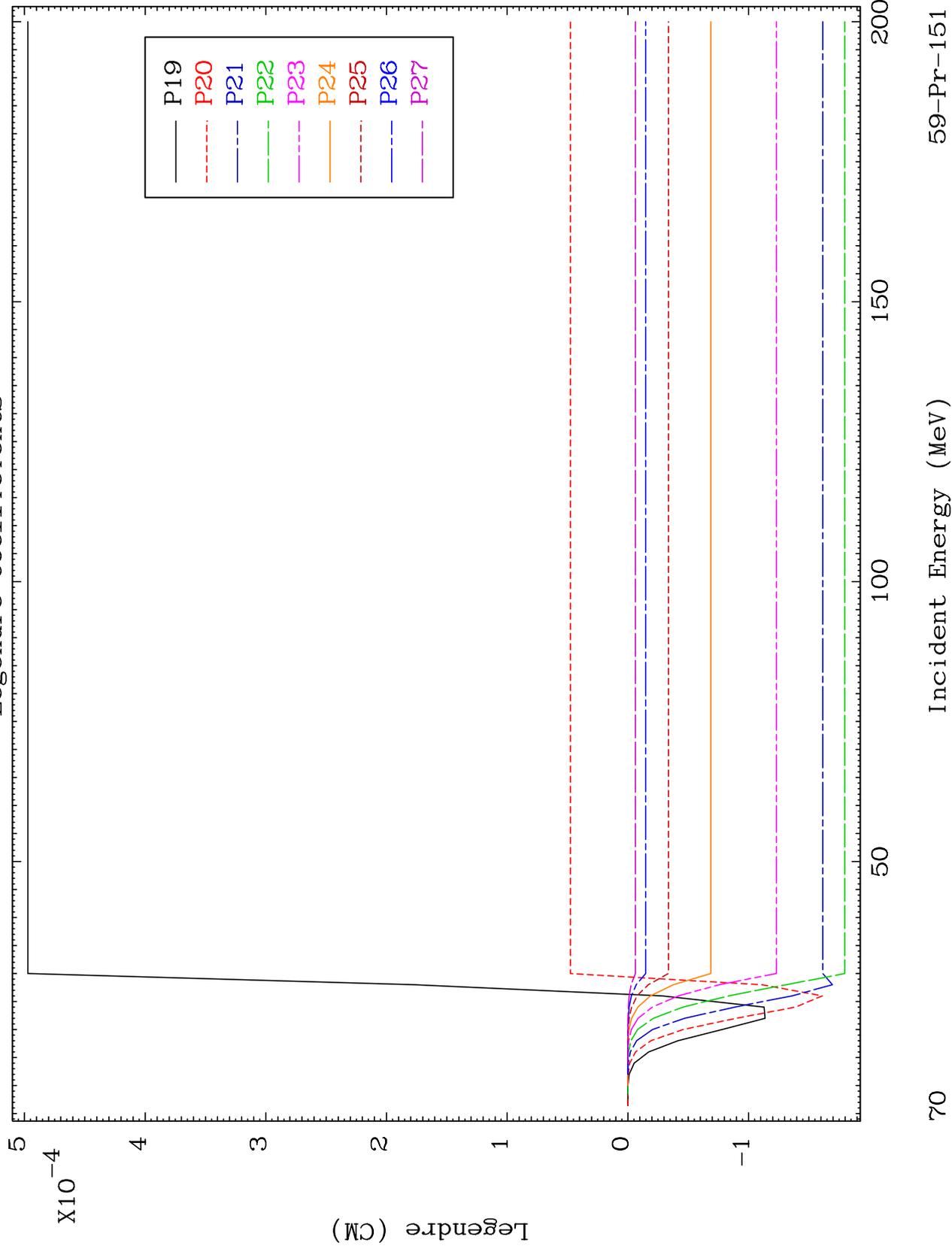
Incident Energy (MeV)

69

MAT 5955

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

59-Pr-151



70

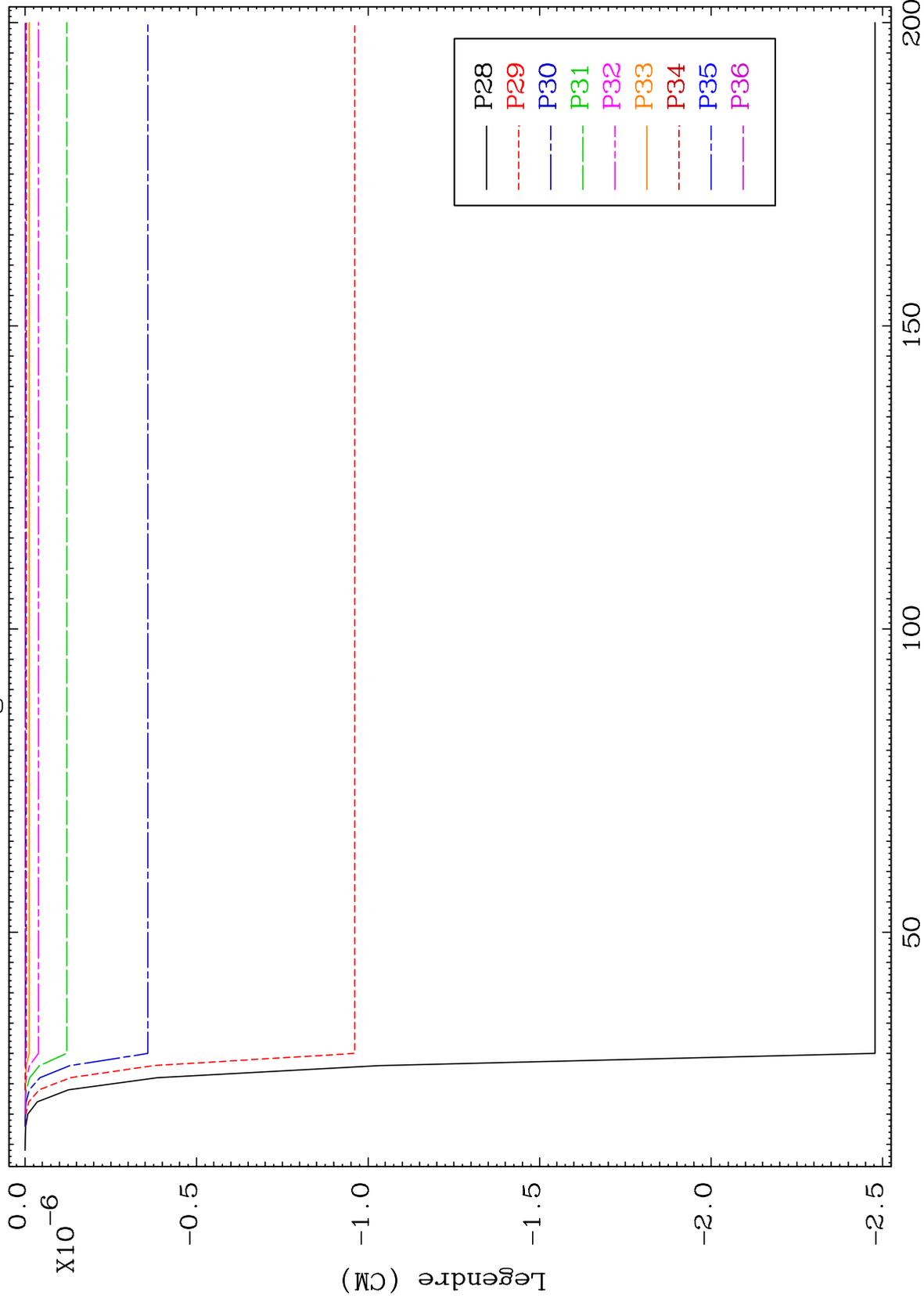
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

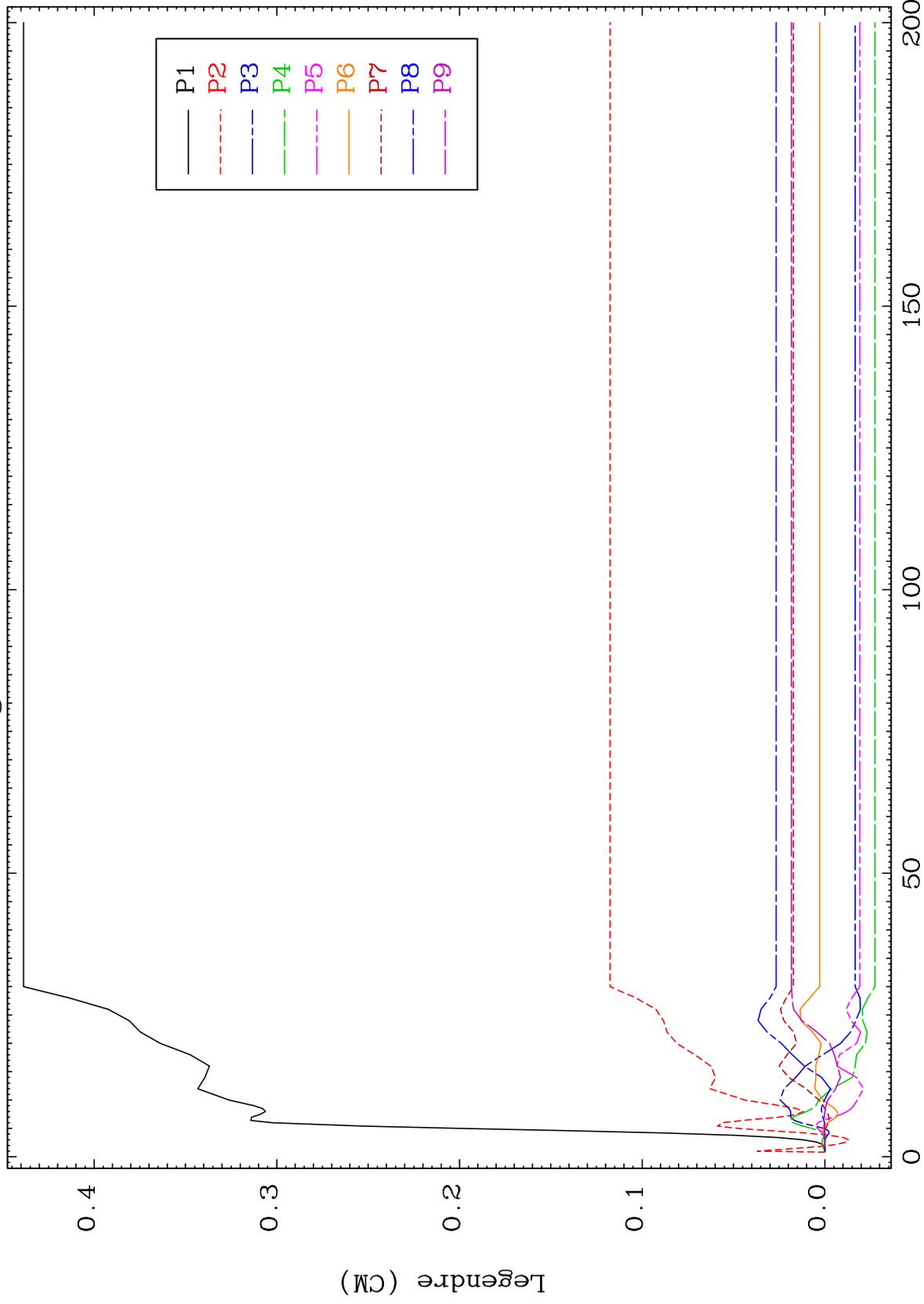
59-Pr-151



MAT 5955

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

59-Pr-151



72

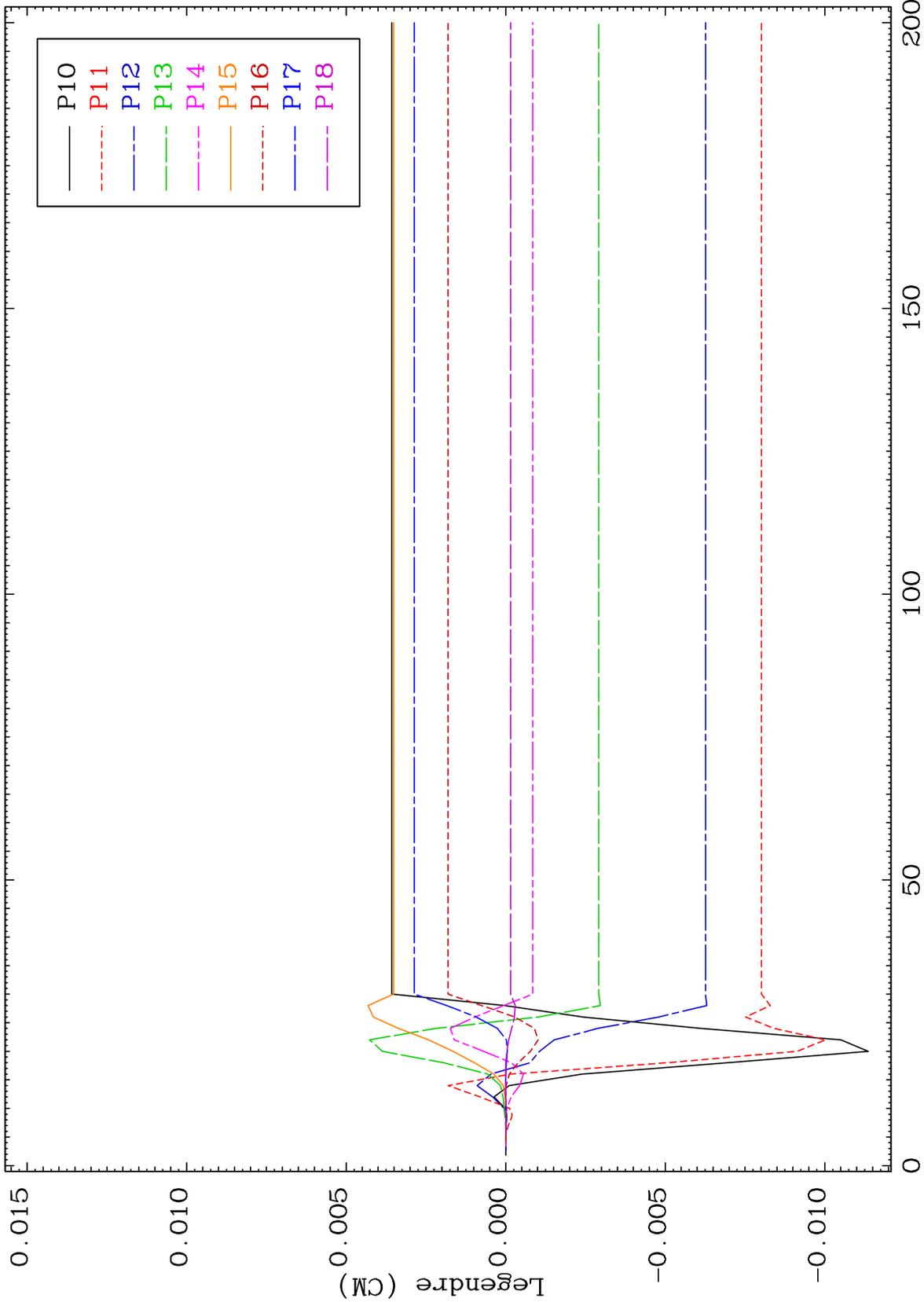
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59-Pr-151

MAT 5955

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

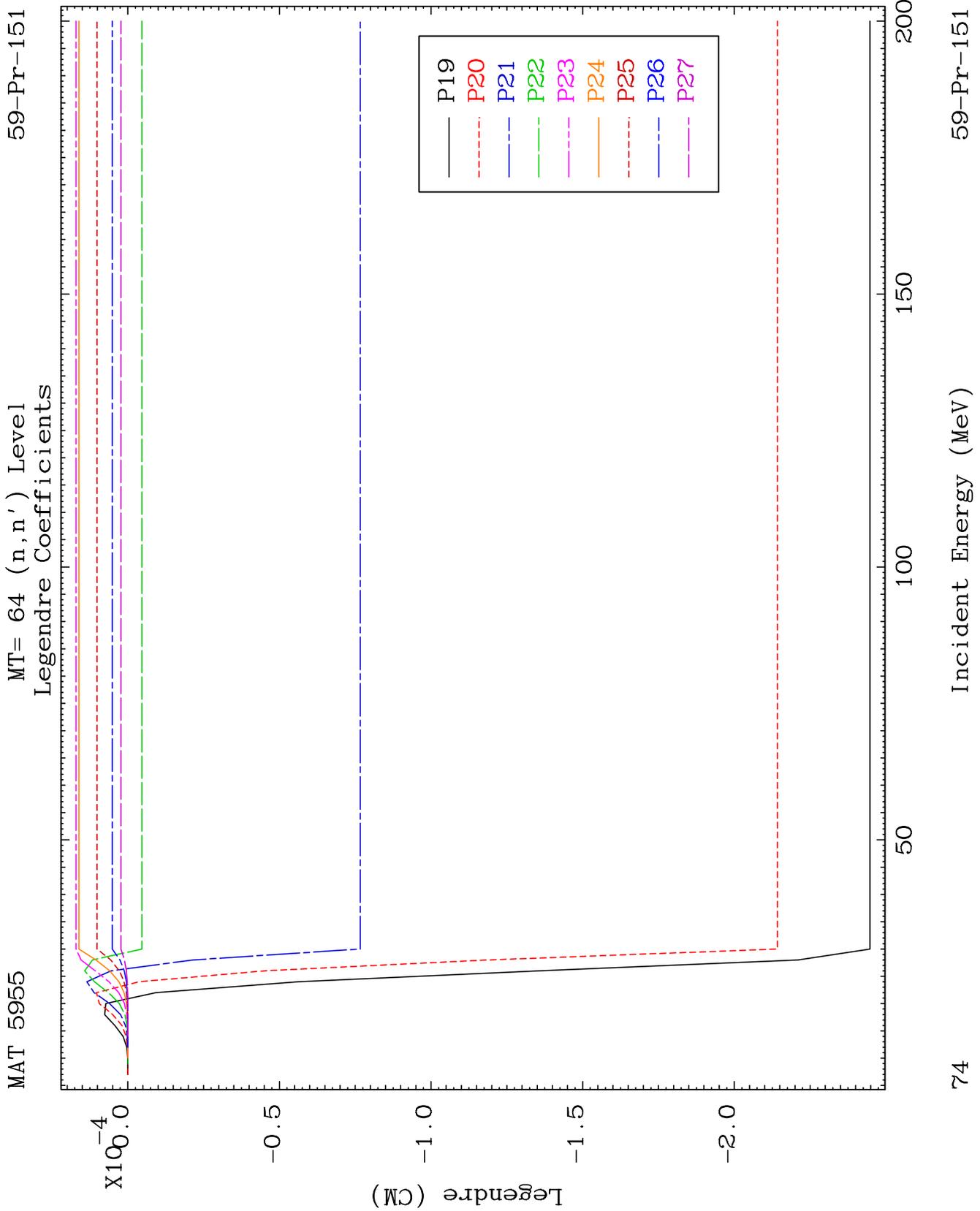
59-Pr-151



73

Incident Energy (MeV)

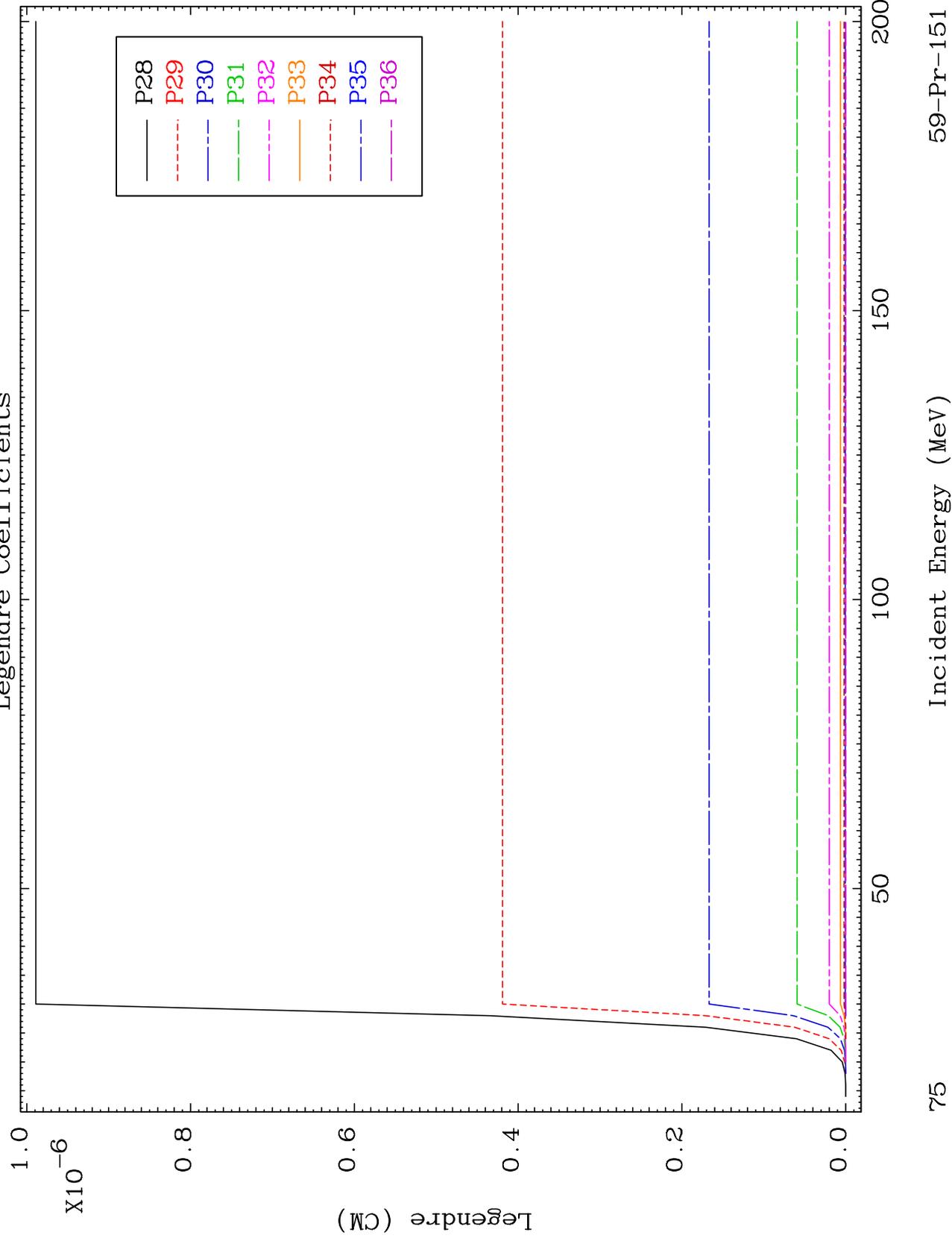
59-Pr-151



MAT 5955

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

59-Pr-151



75

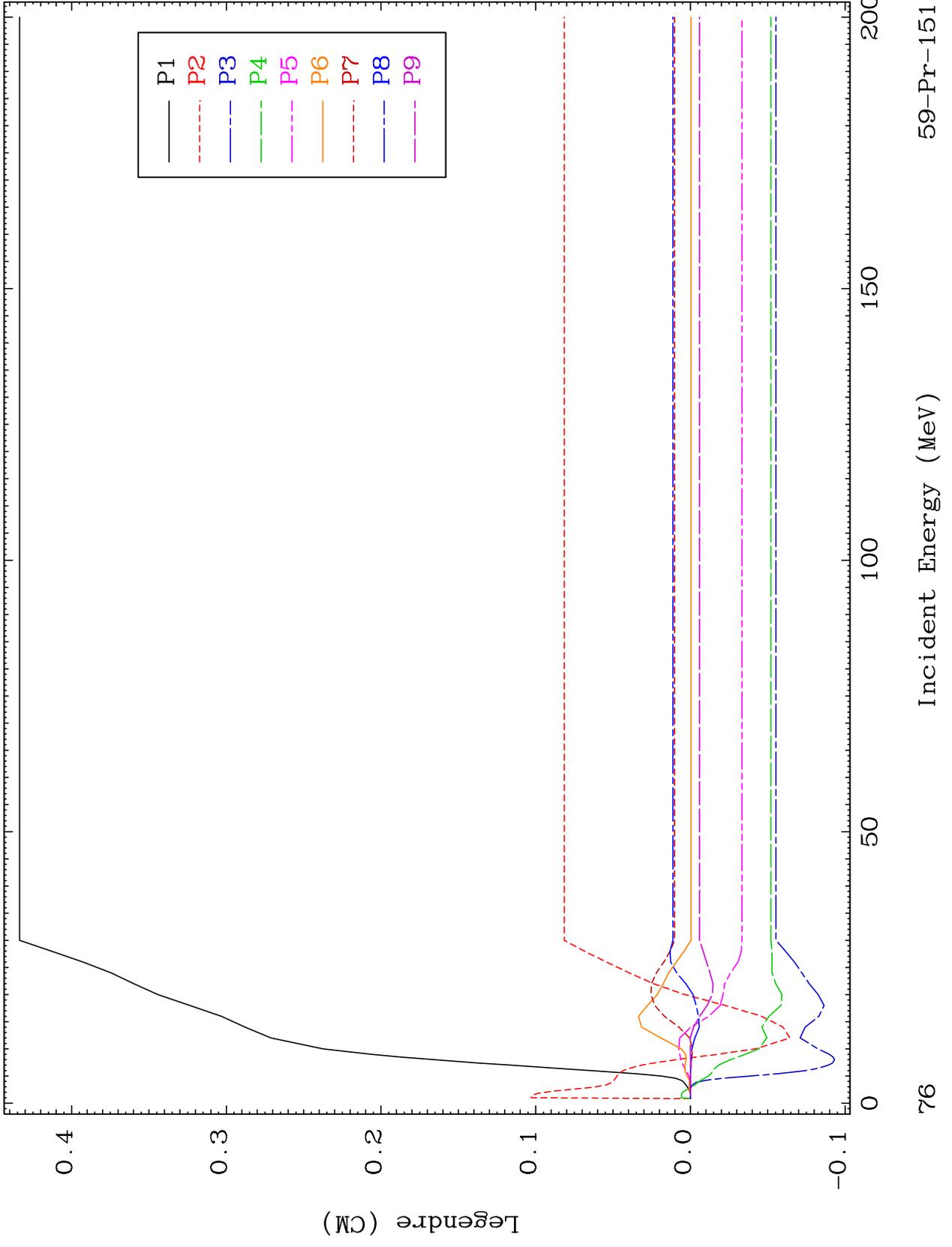
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

59-Pr-151



59-Pr-151

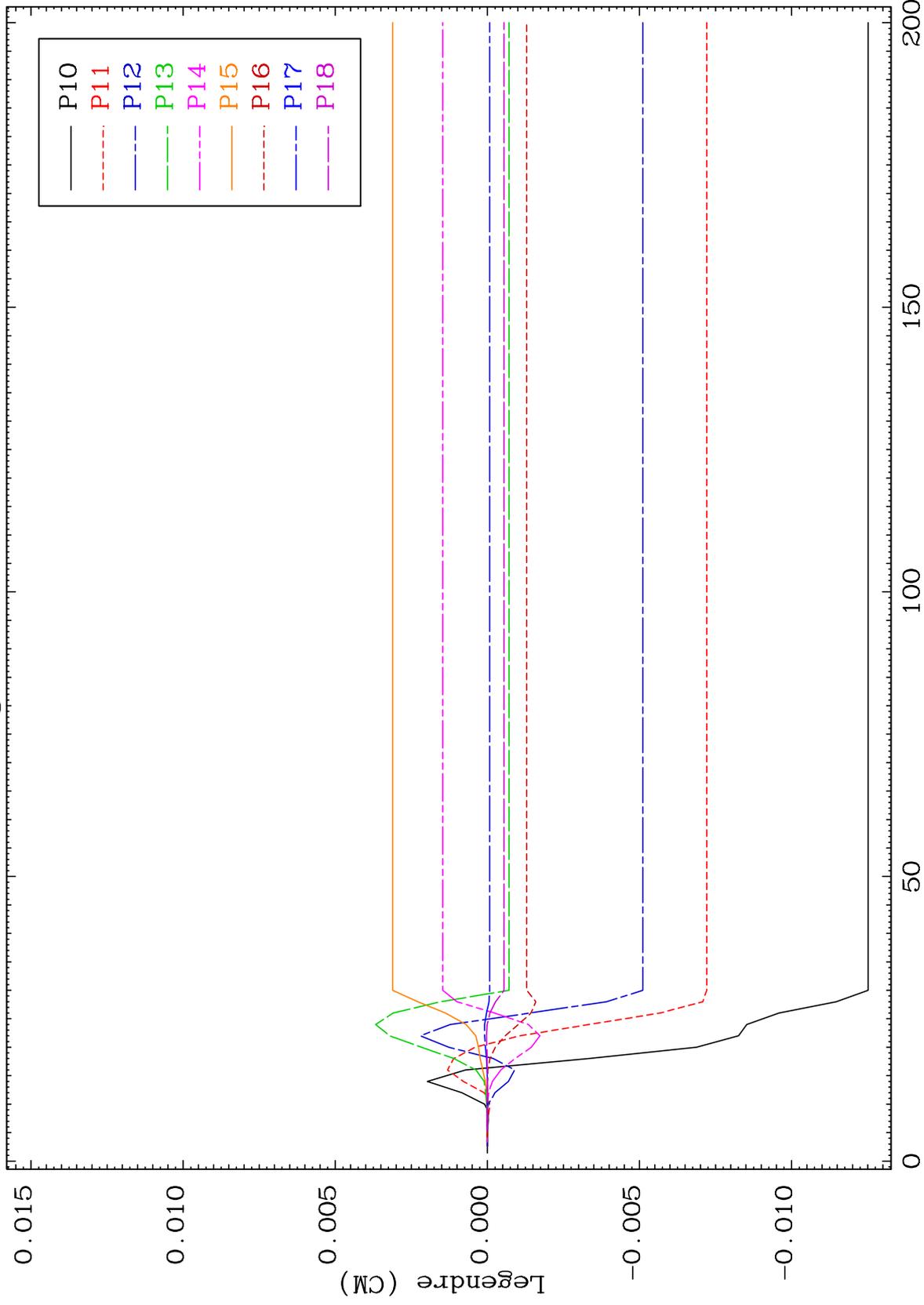
Incident Energy (MeV)

76

MAT 5955

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

59-Pr-151



77

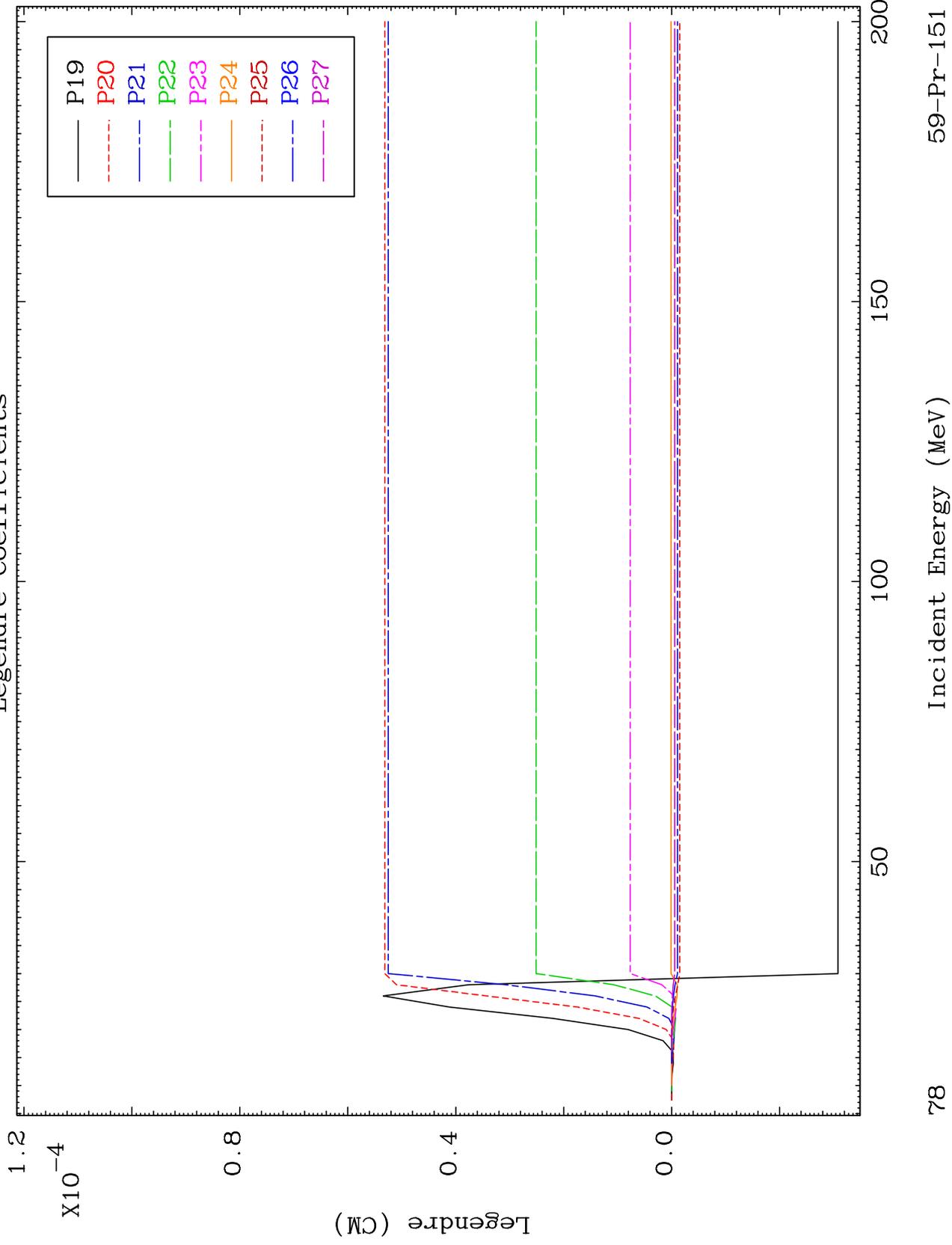
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

59-Pr-151



78

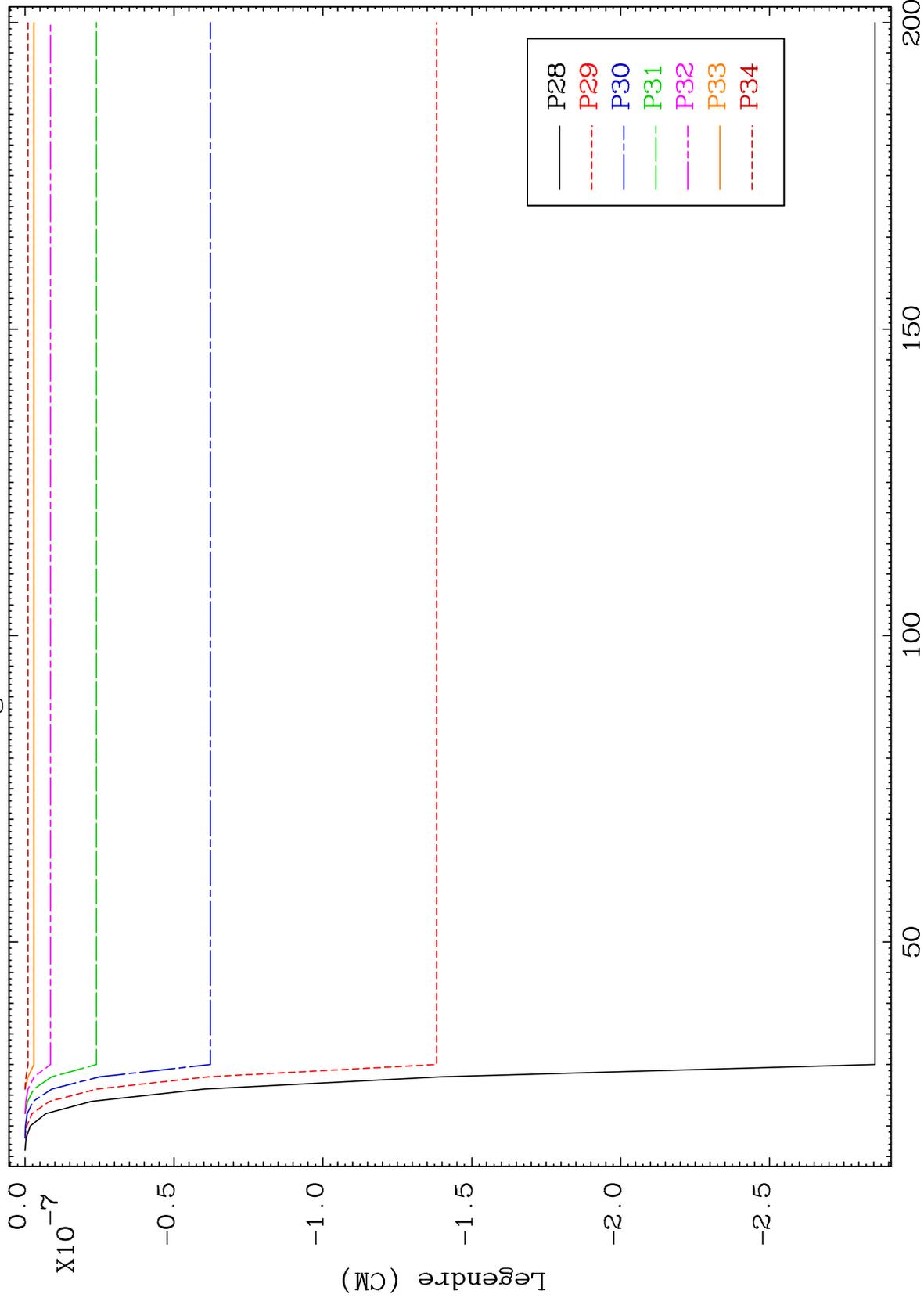
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

59-Pr-151



79

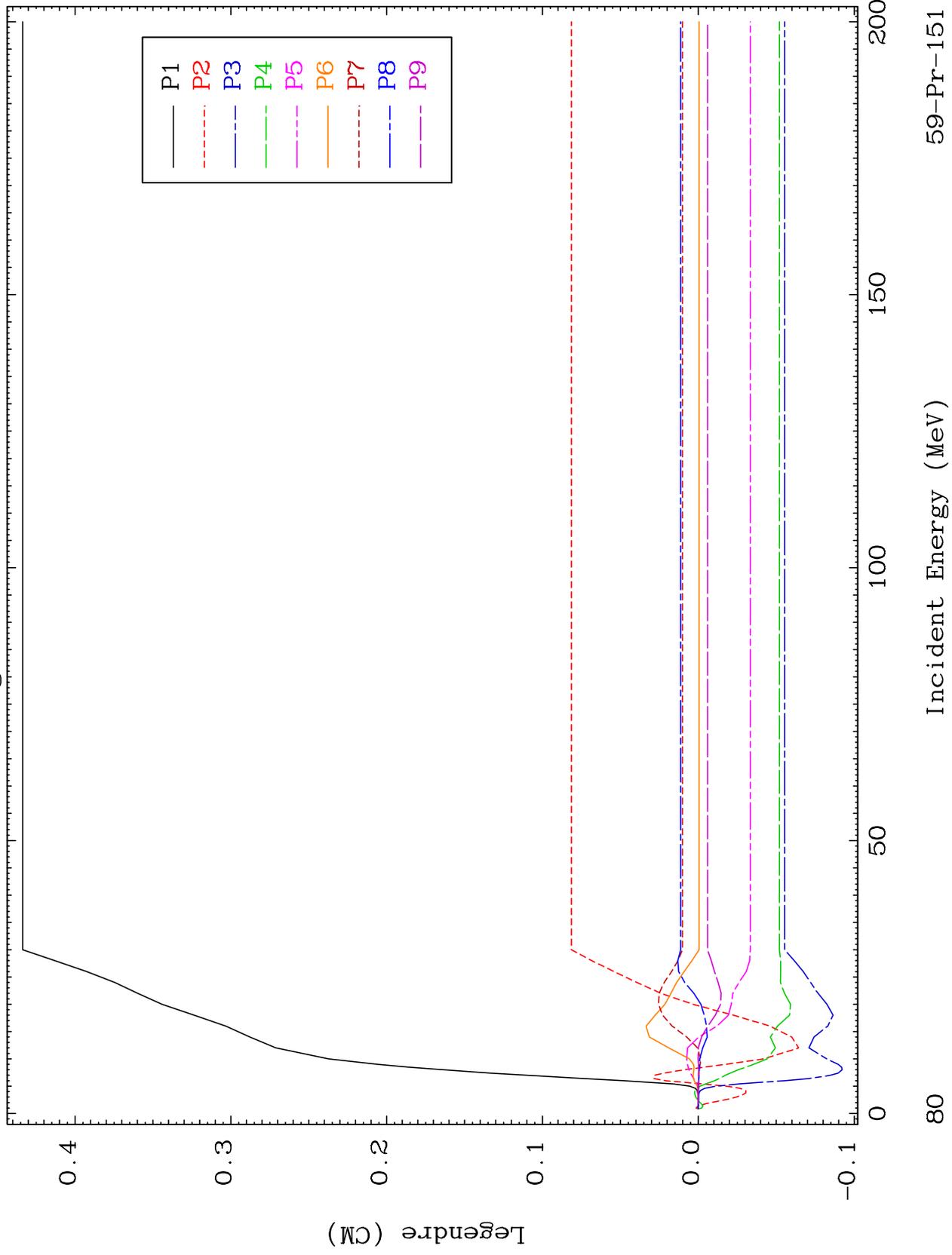
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

59-Pr-151

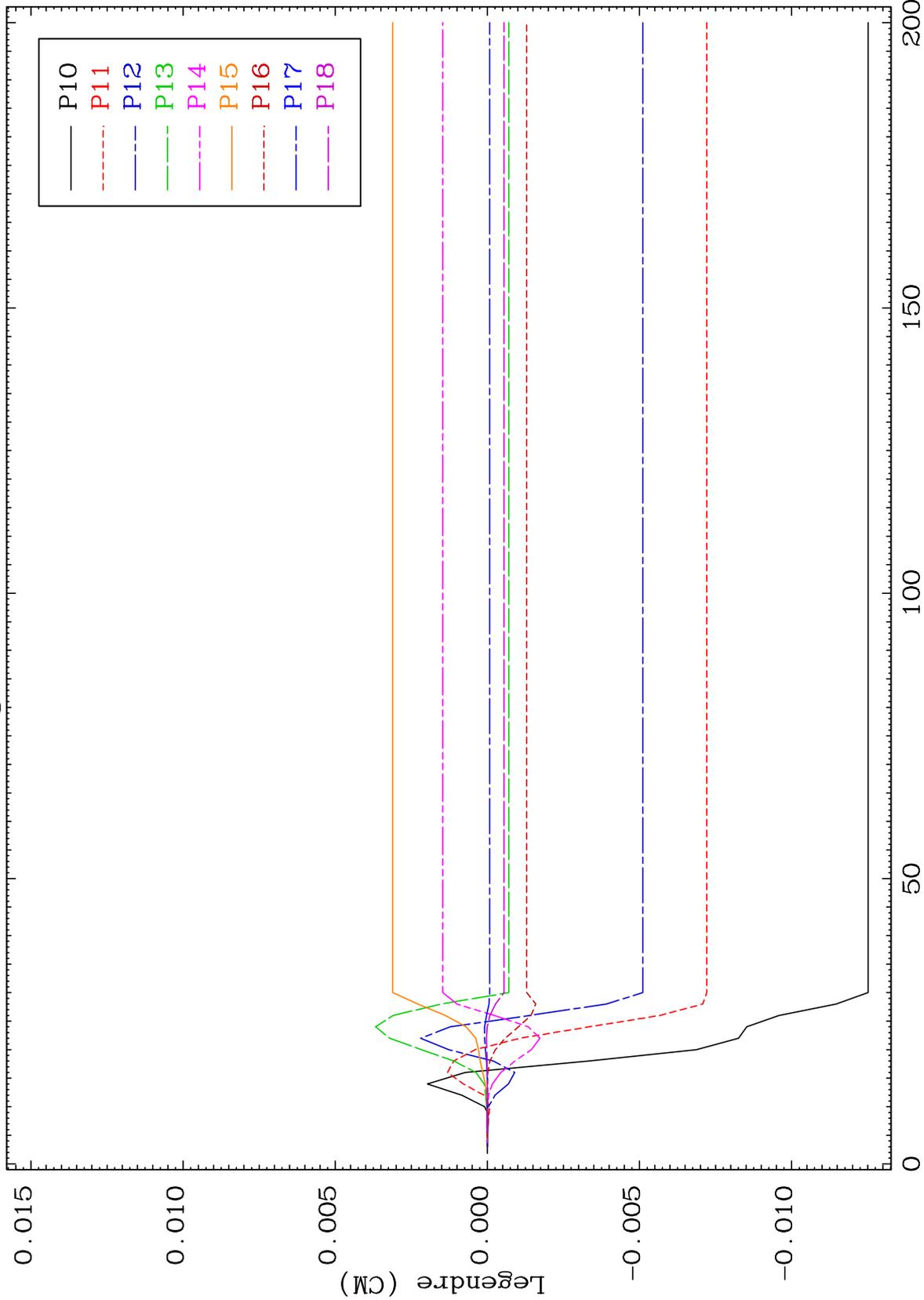


59-Pr-151

MAT 5955

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

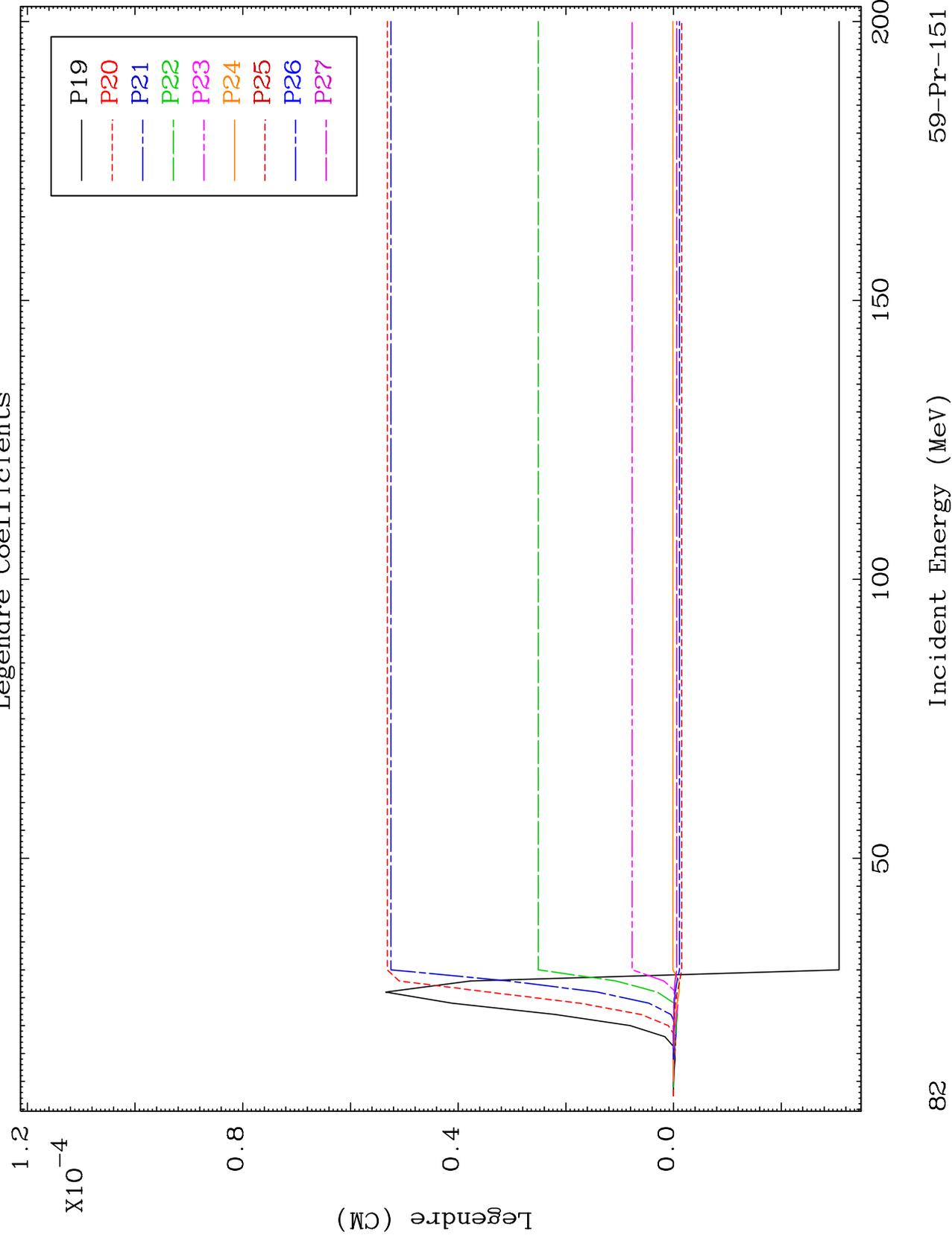
59-Pr-151



81

Incident Energy (MeV)

59-Pr-151

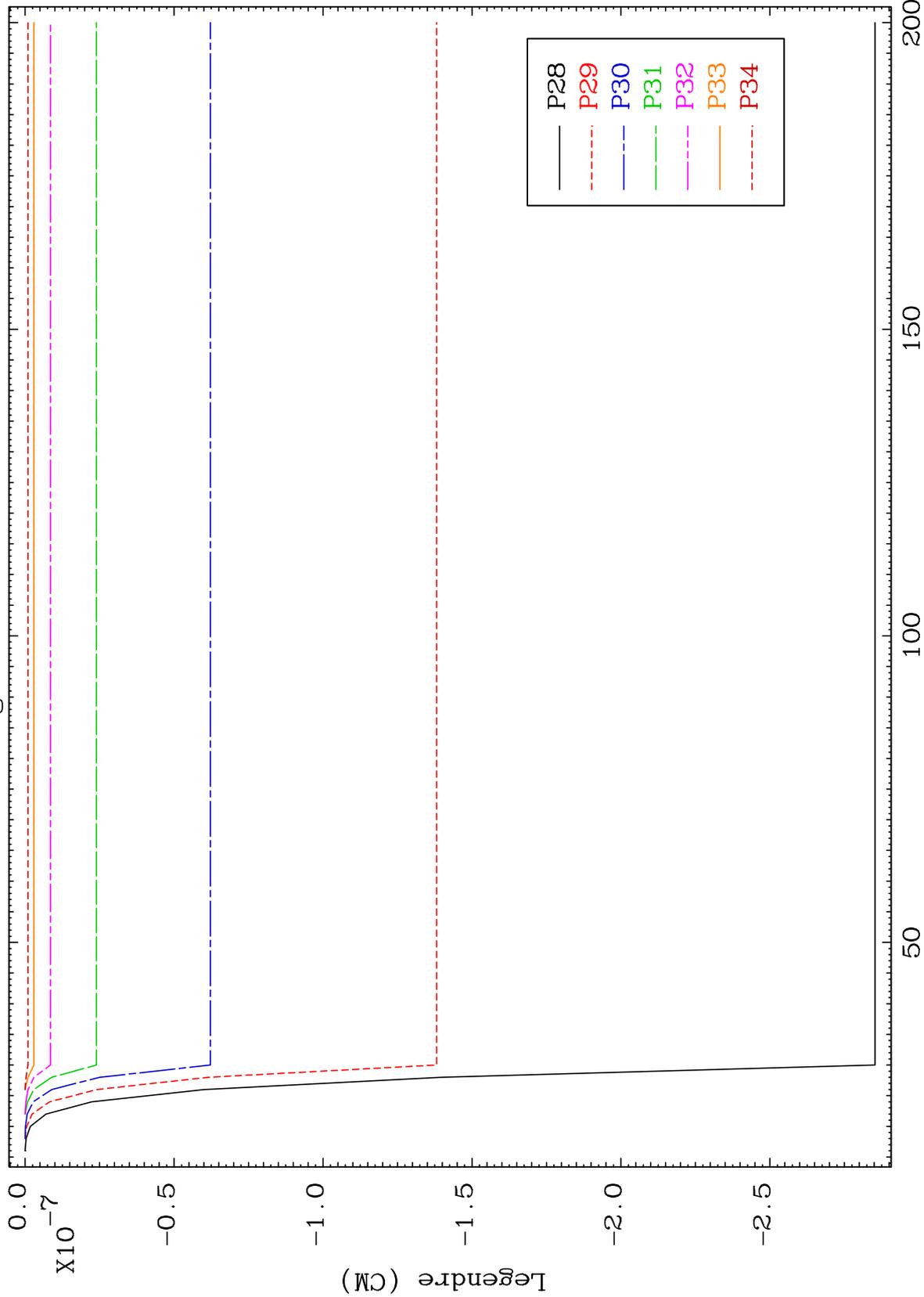


MAT 5955

MT= 66 (n,n') Level

59-Pr-151

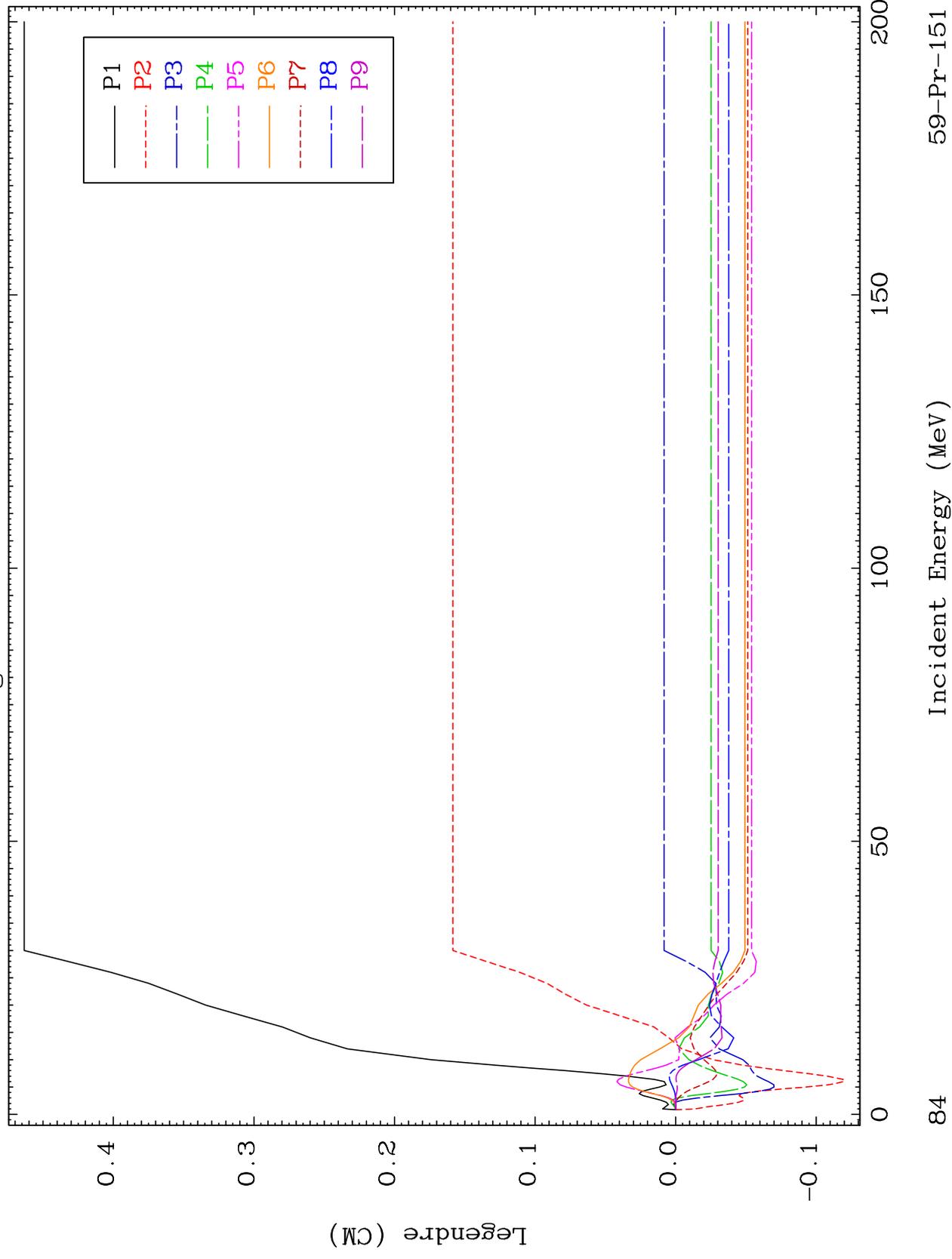
Legendre Coefficients



MAT 5955

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

59-Pr-151



84

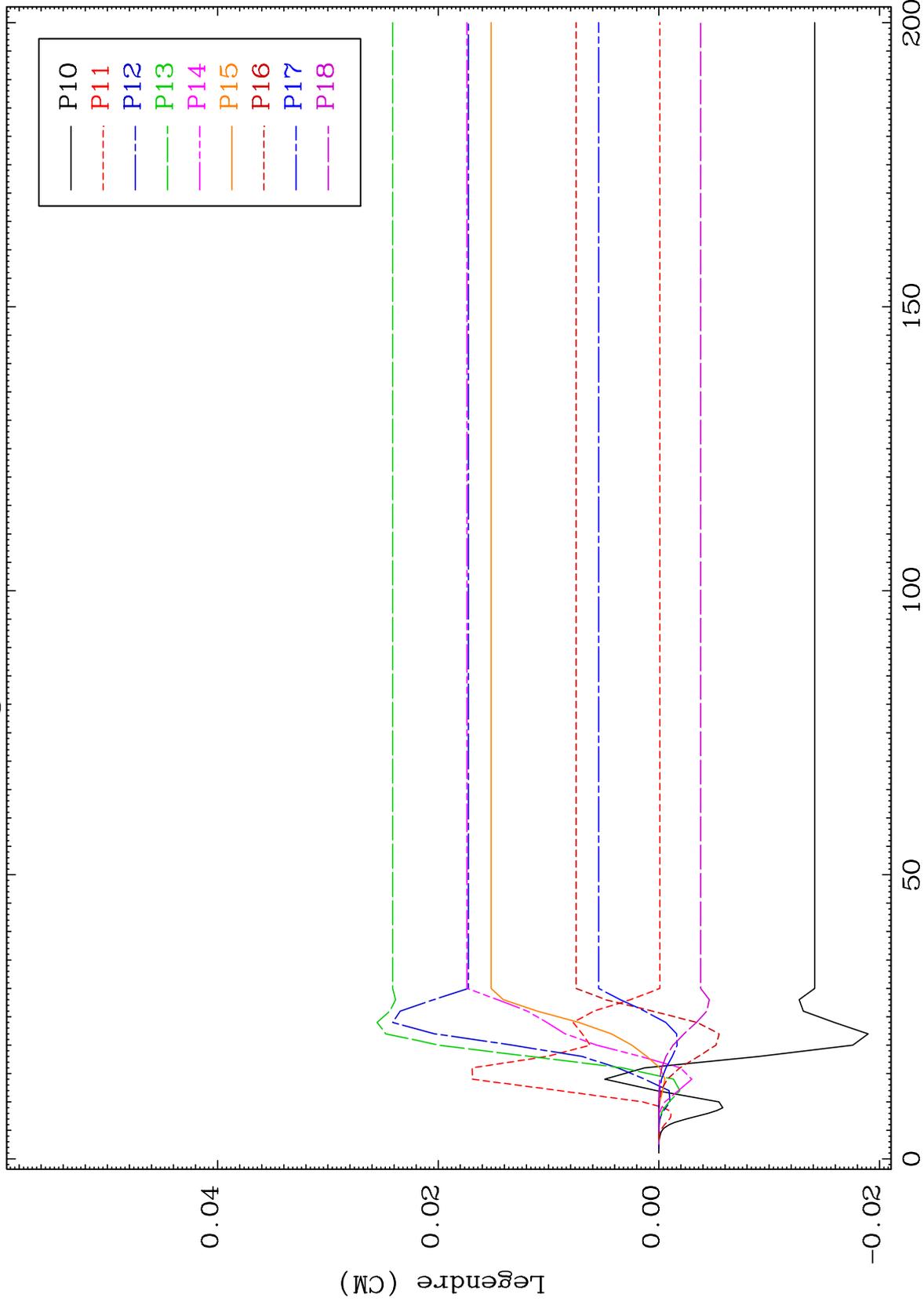
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

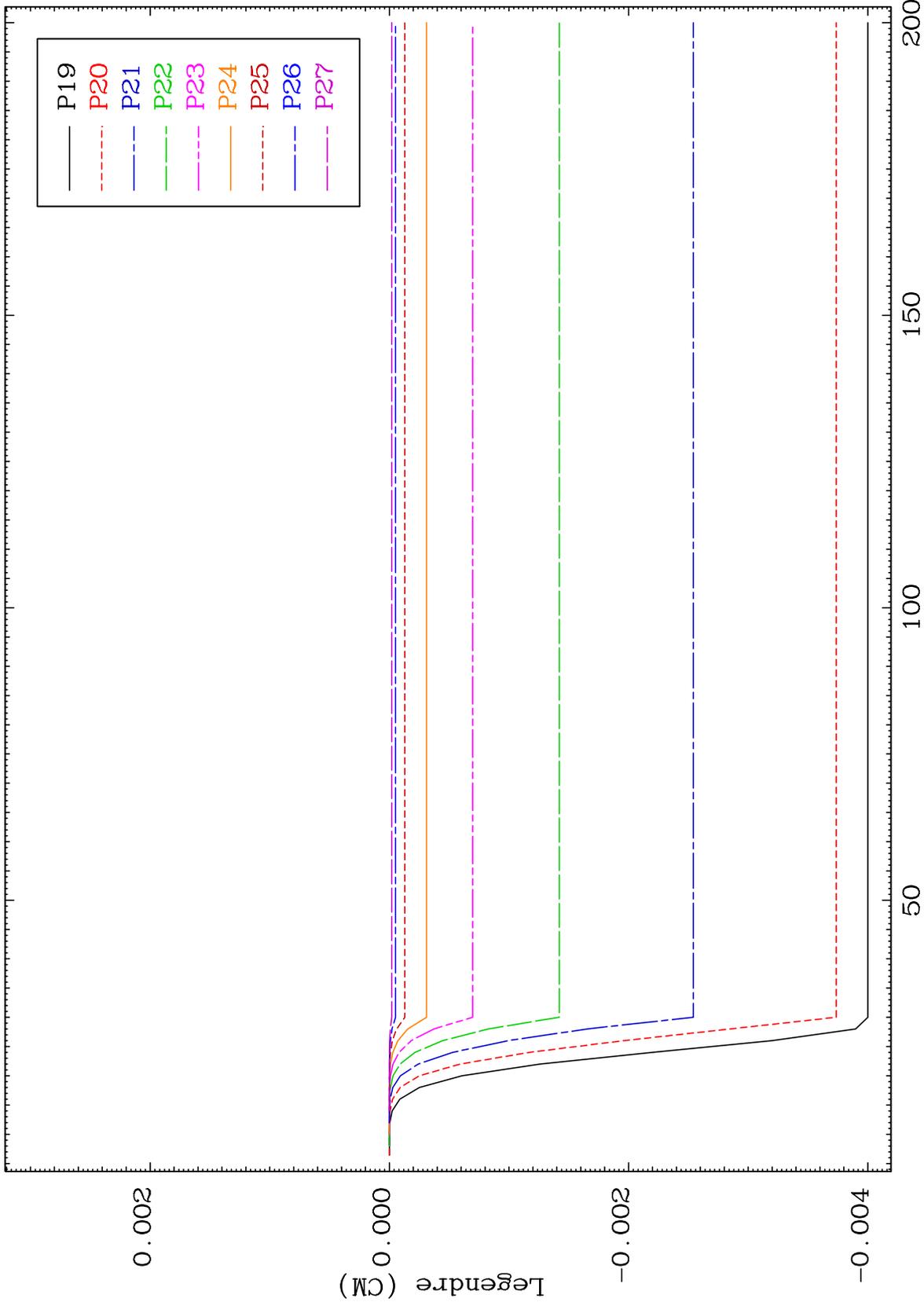
59-Pr-151



59-Pr-151

Incident Energy (MeV)

85

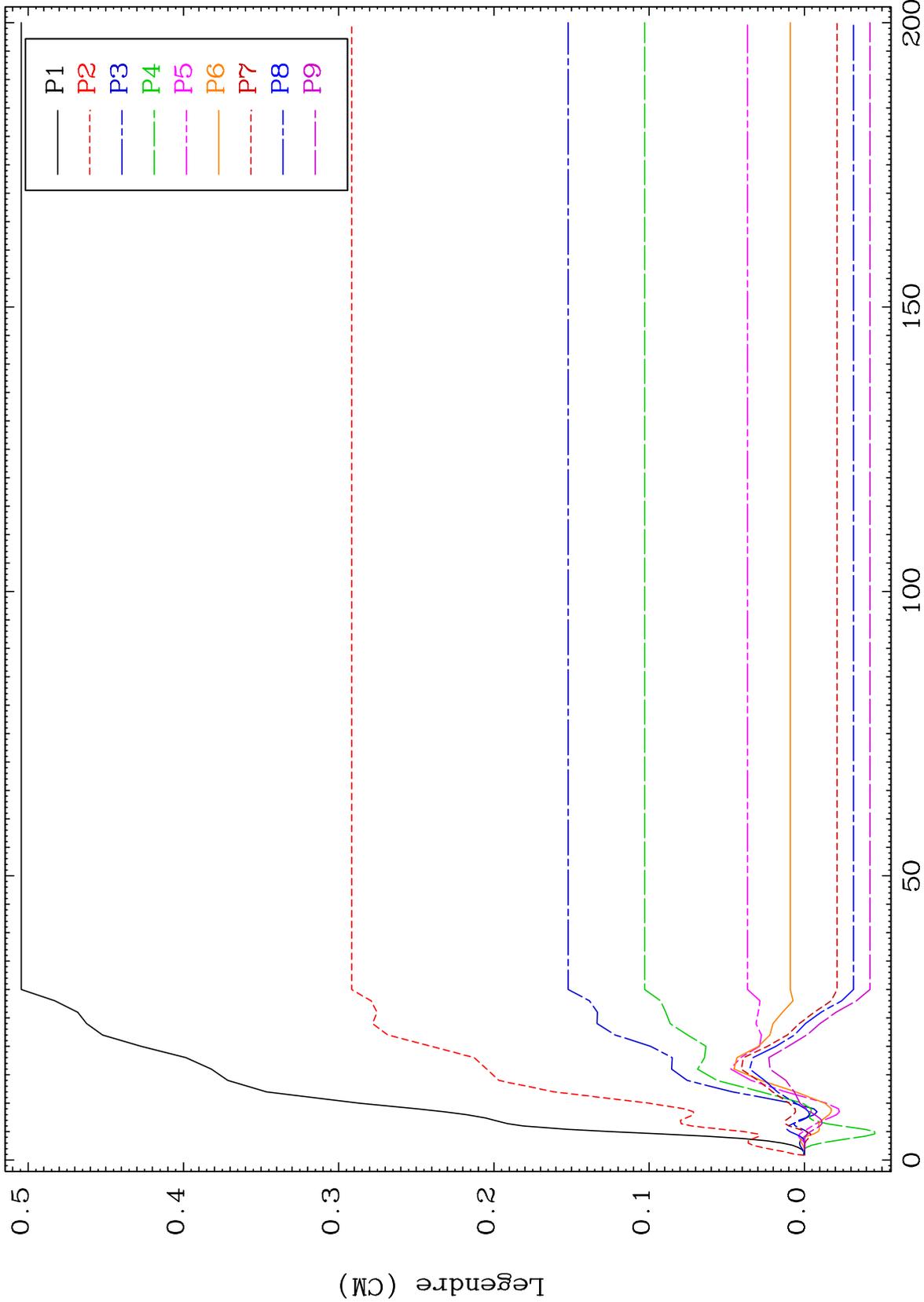


MAT 5955

MT= 68 (n,n') Level

59-Pr-151

Legendre Coefficients



88

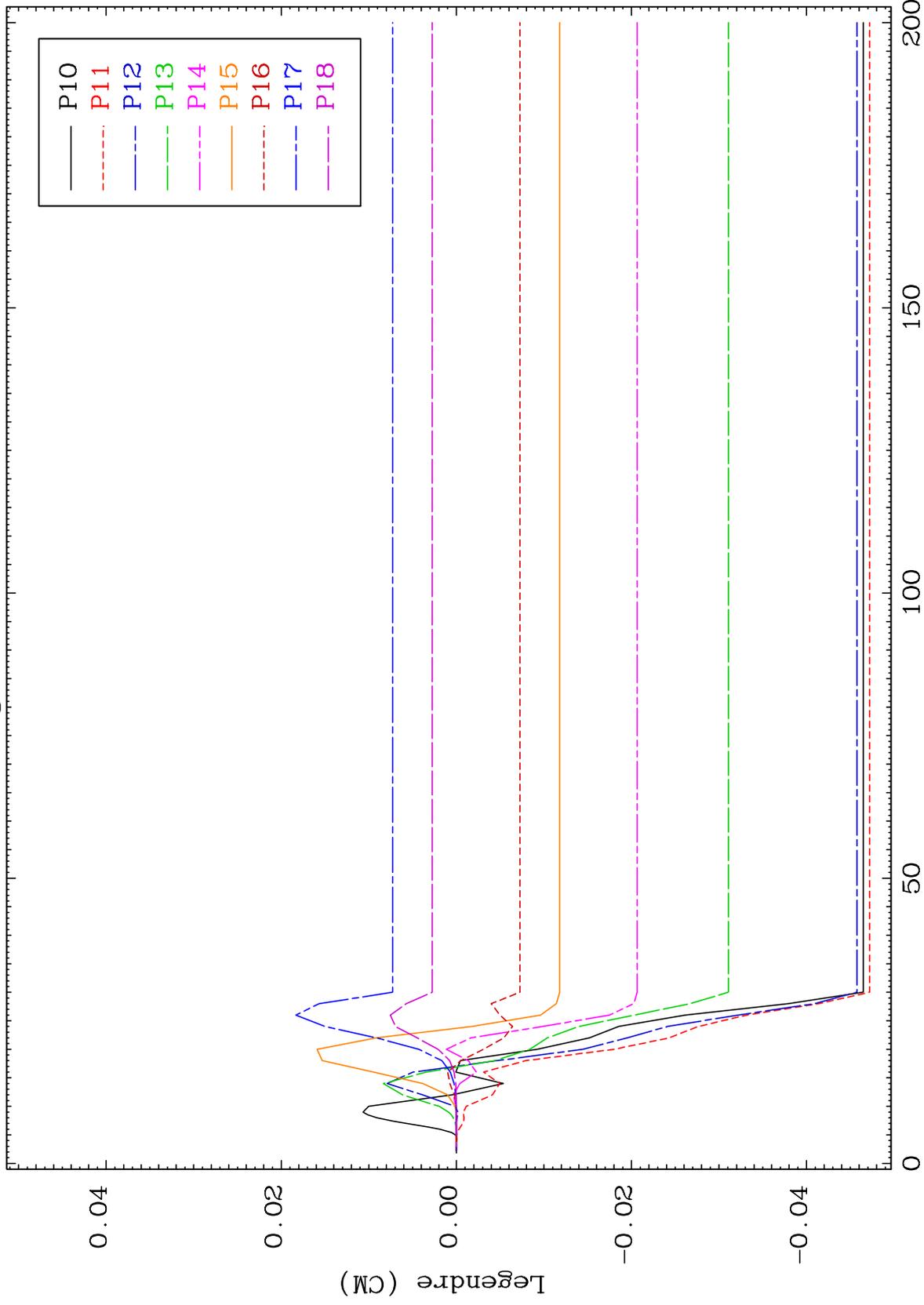
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

59-Pr-151



89

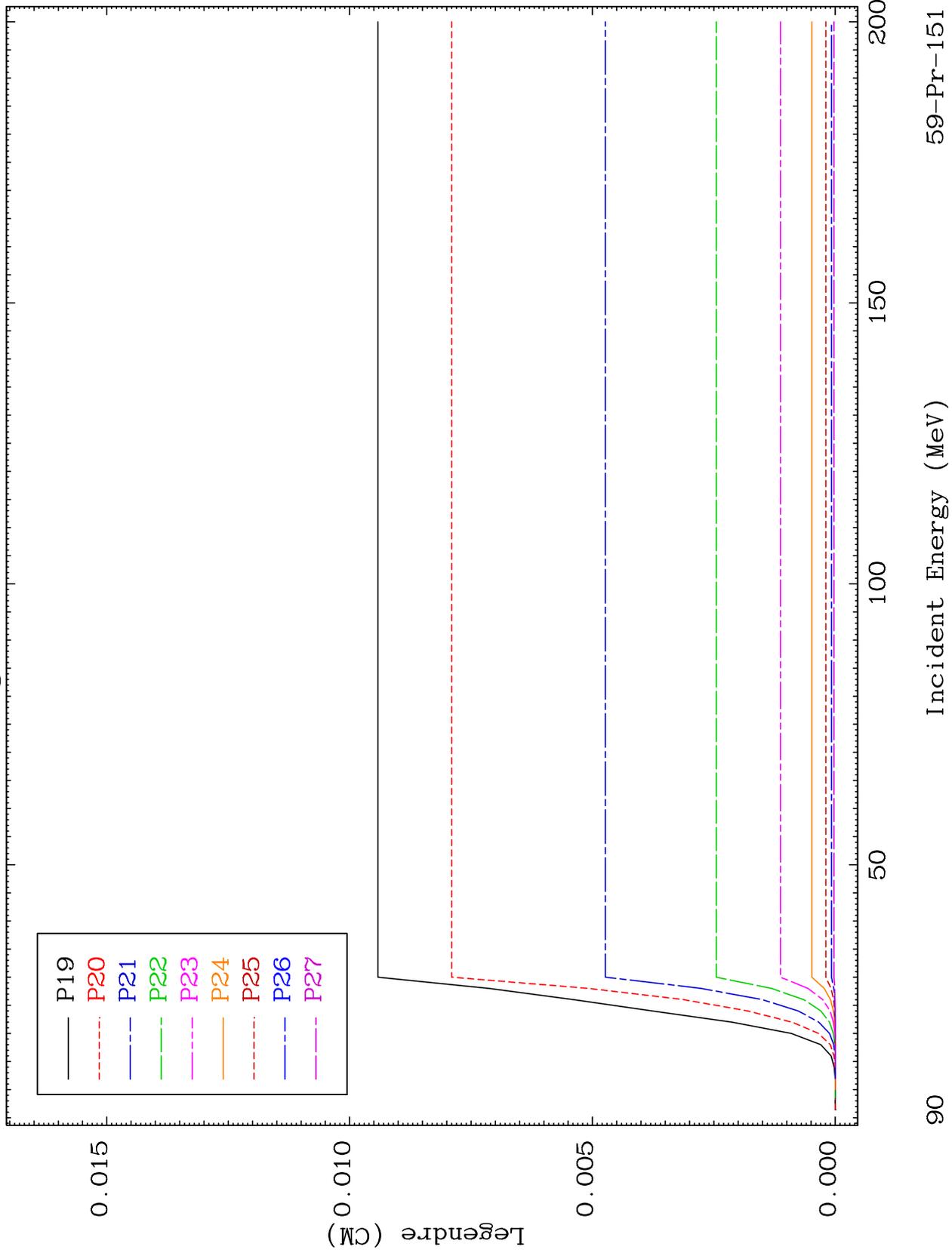
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

59-Pr-151



90

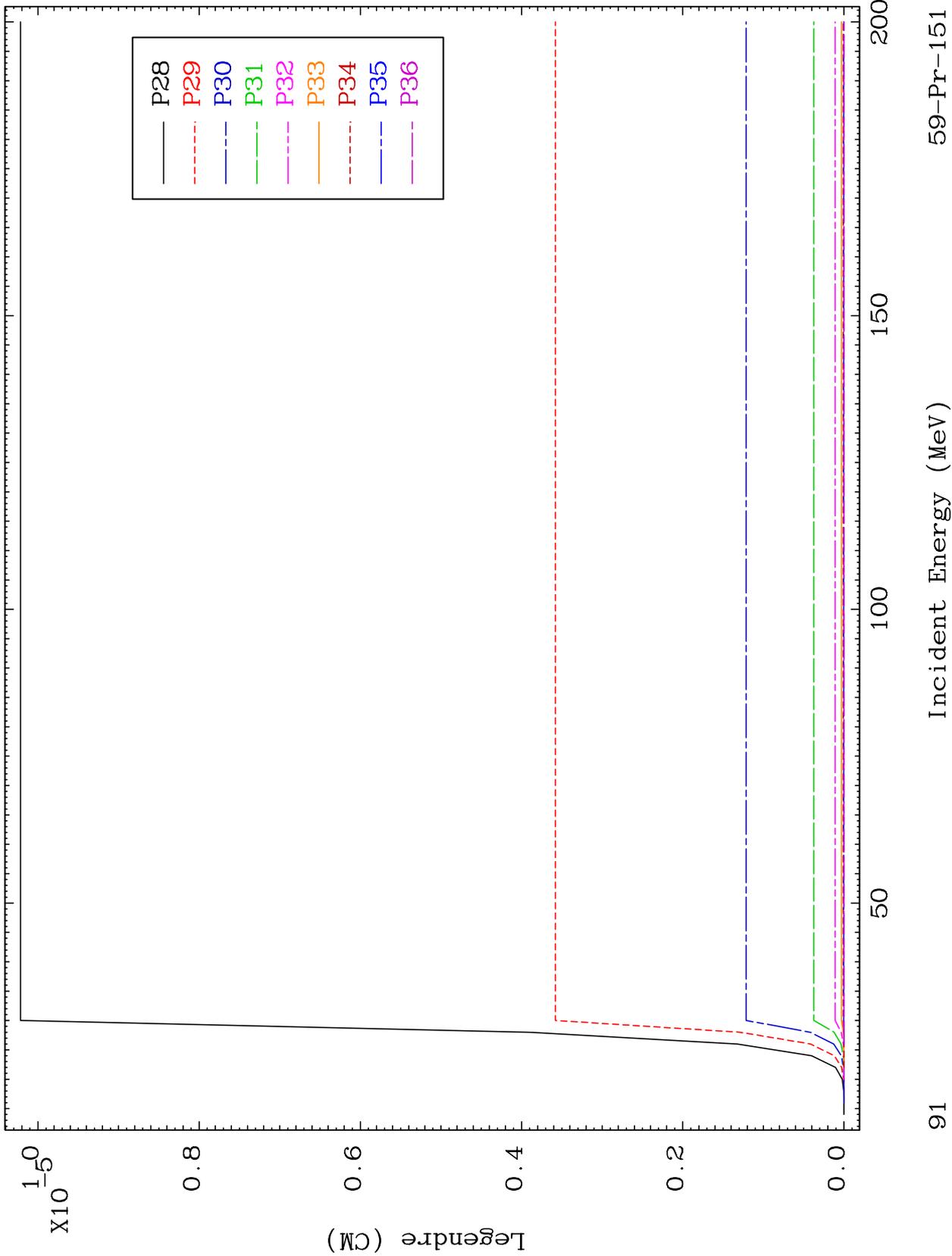
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

59-Pr-151



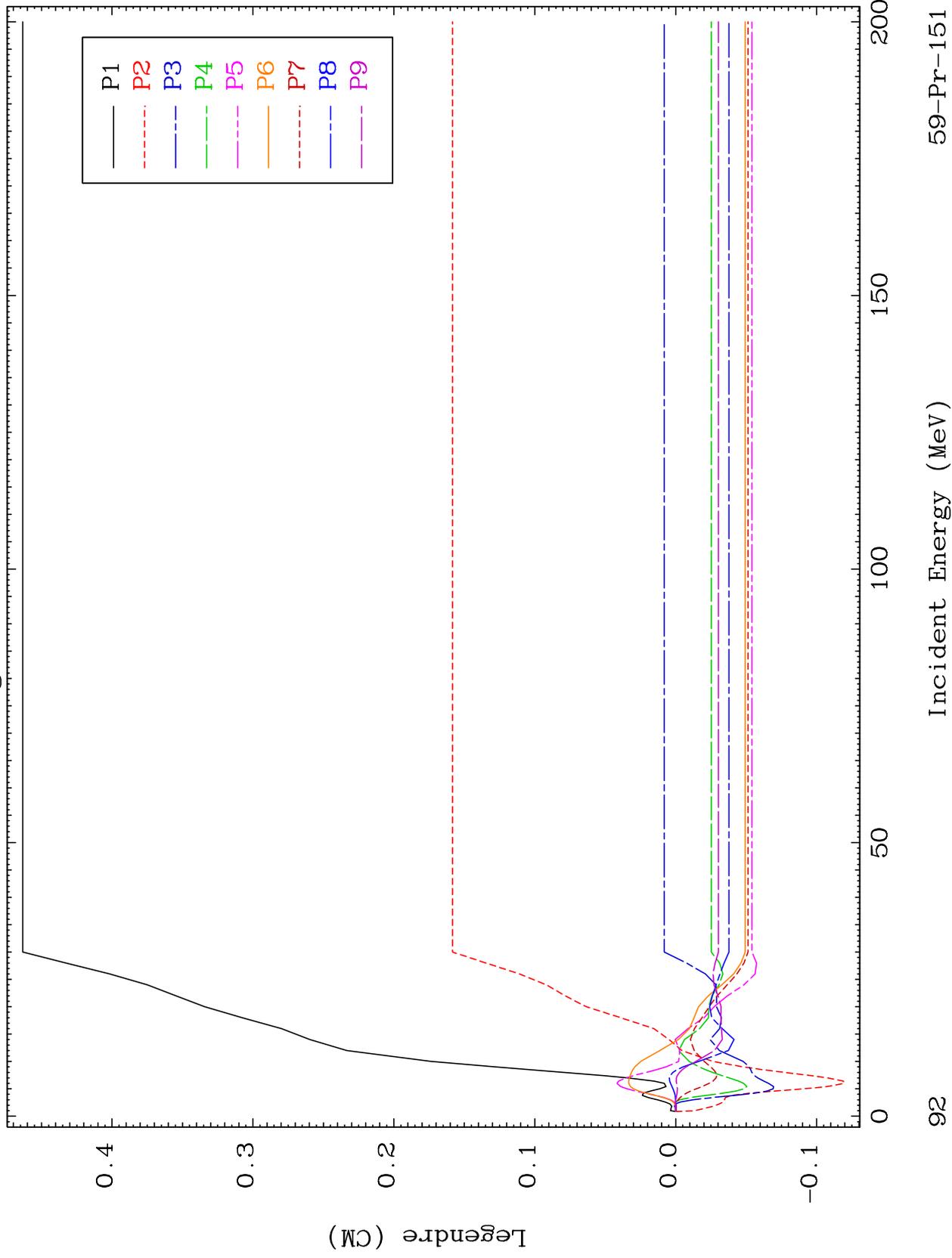
91

59-Pr-151

MAT 5955

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

59-Pr-151



59-Pr-151

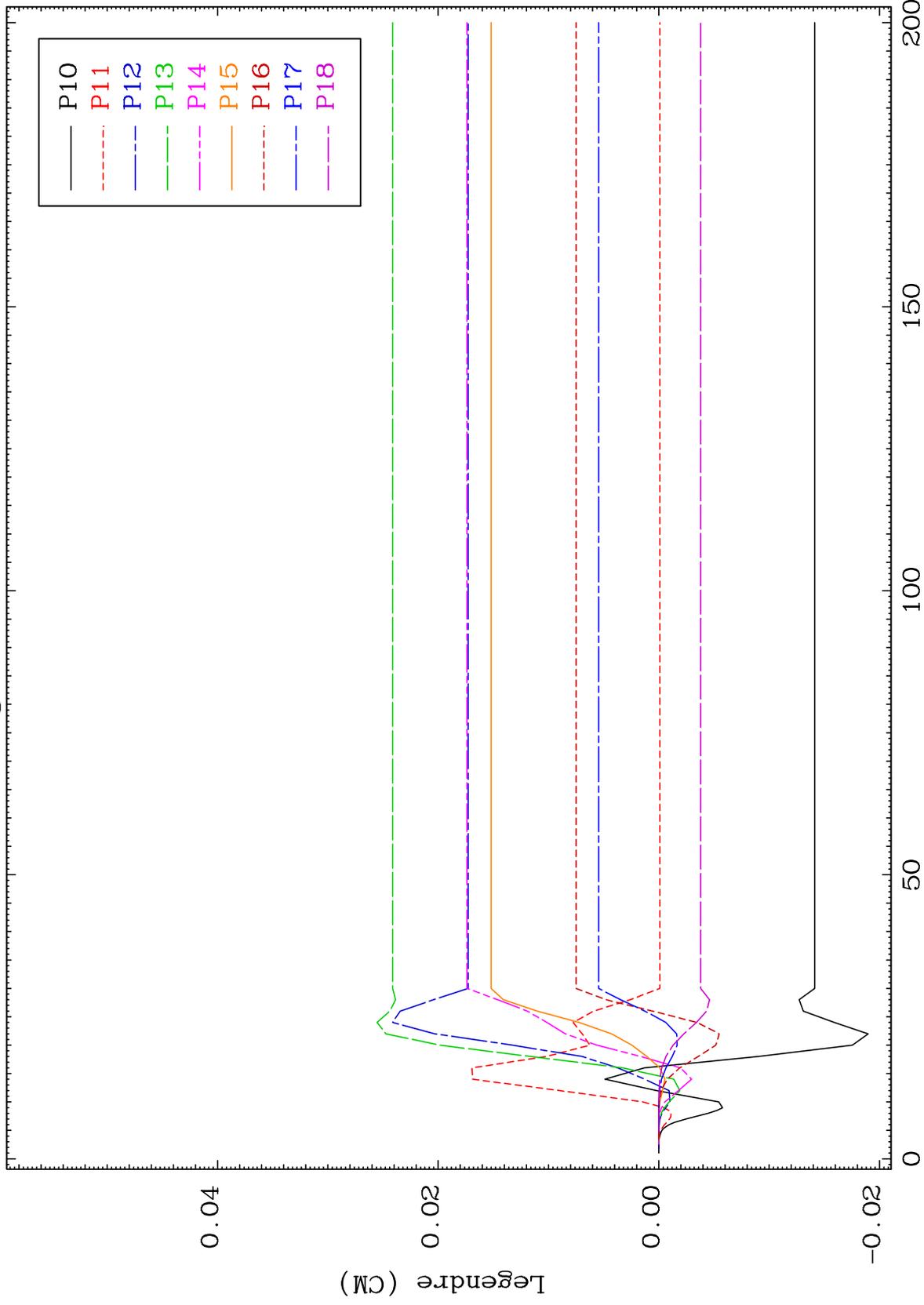
Incident Energy (MeV)

92

MAT 5955

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

59-Pr-151



93

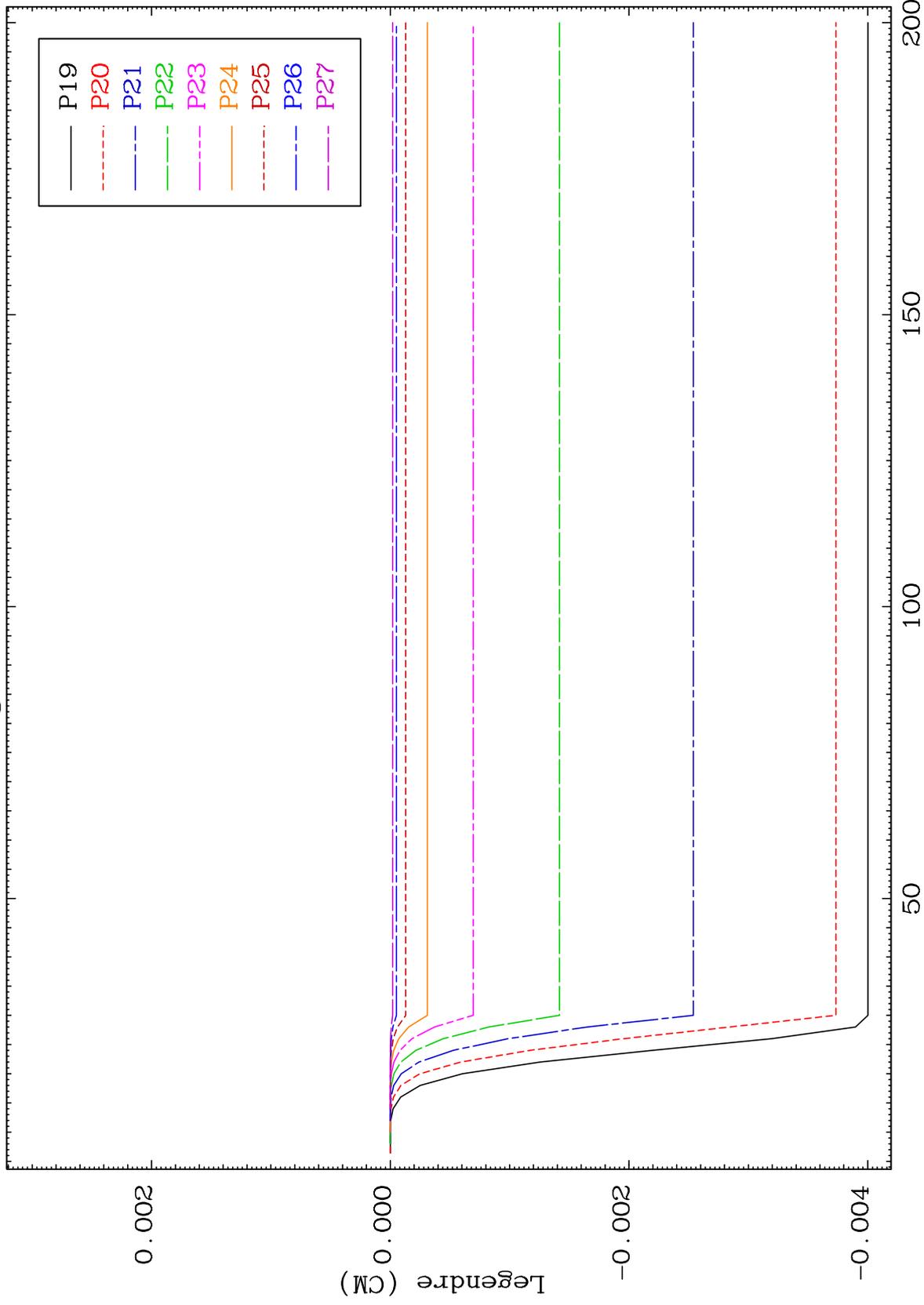
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

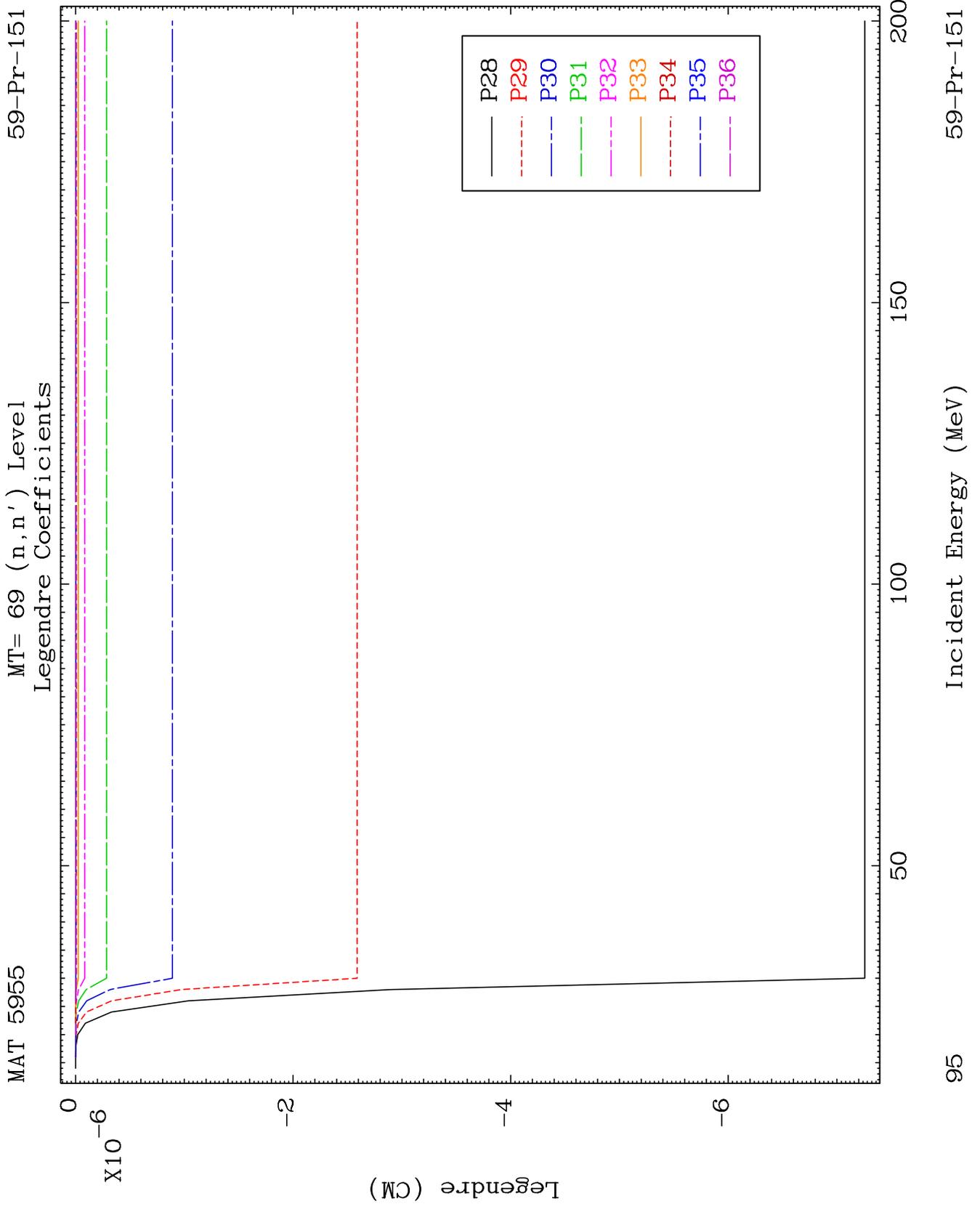
59-Pr-151



94

Incident Energy (MeV)

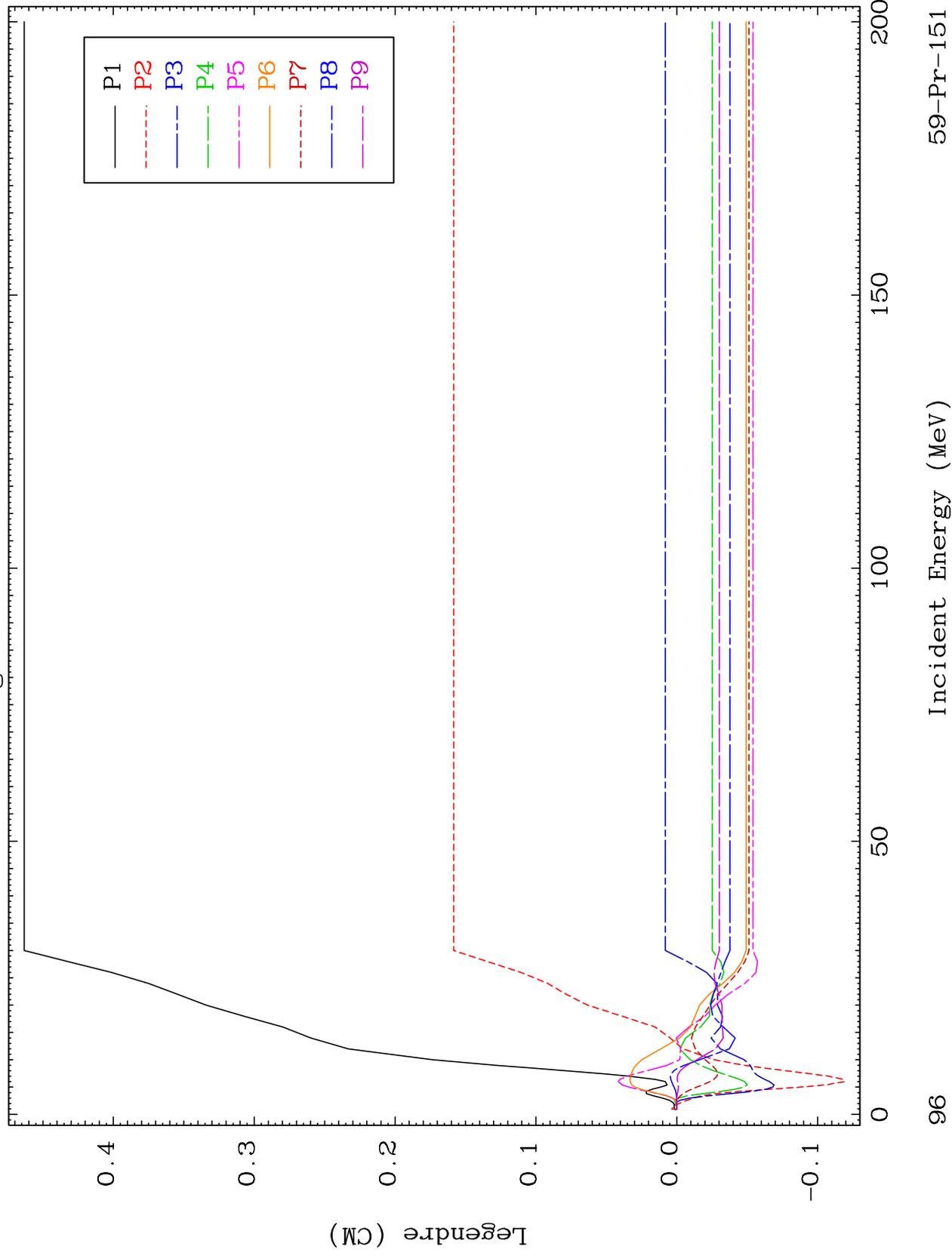
59-Pr-151



MAT 5955

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

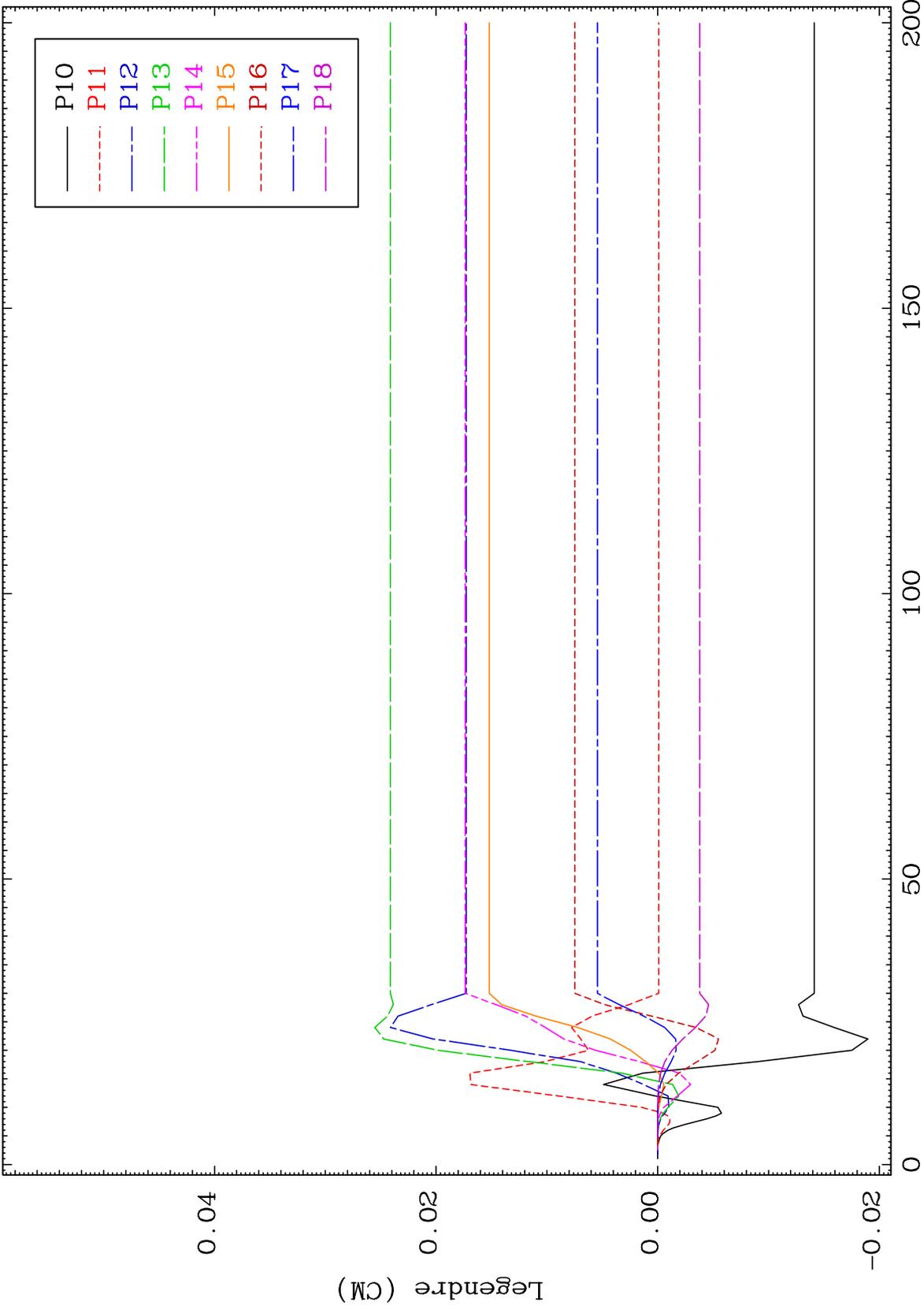
59-Pr-151



MAT 5955

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

59-Pr-151



97

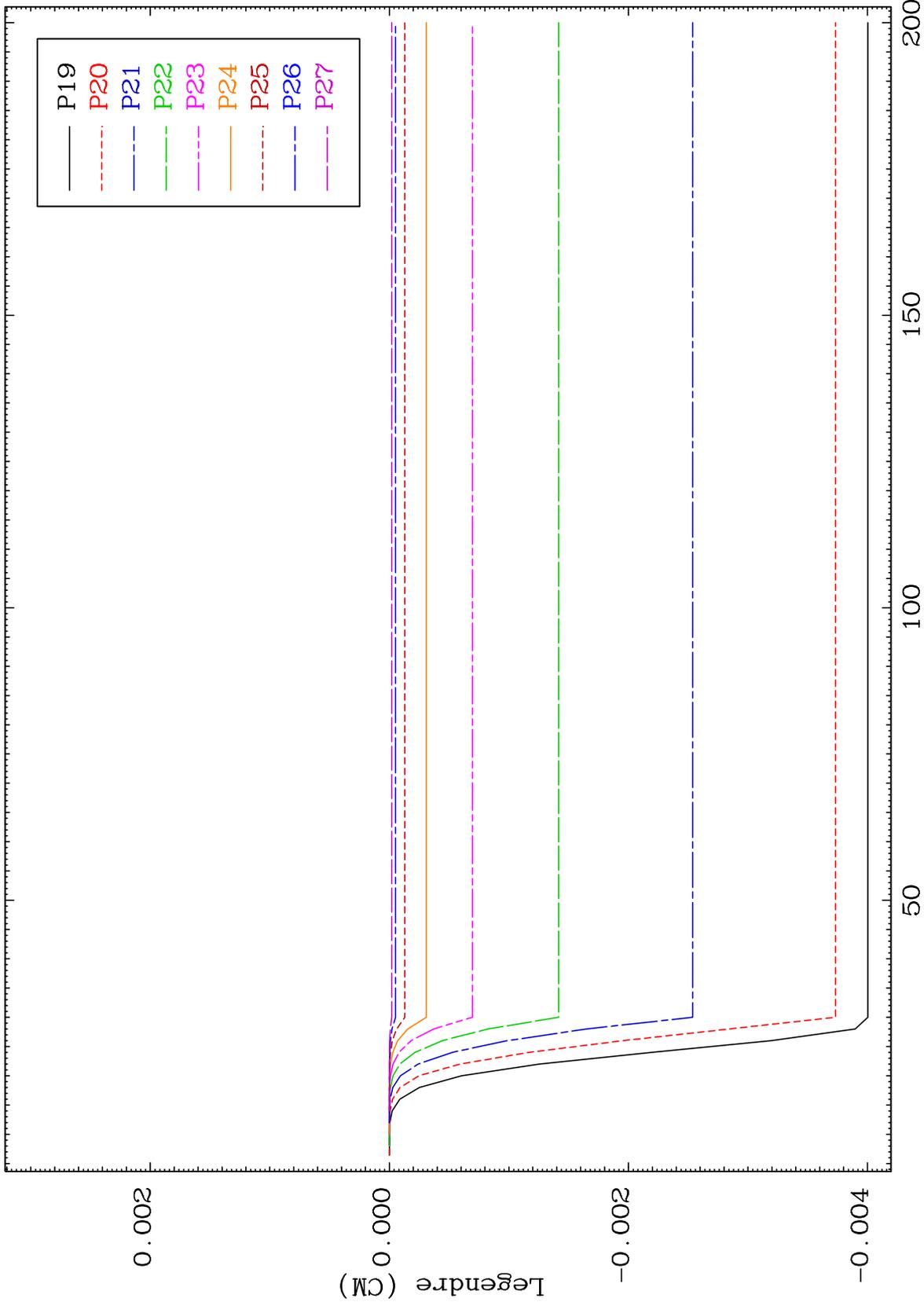
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

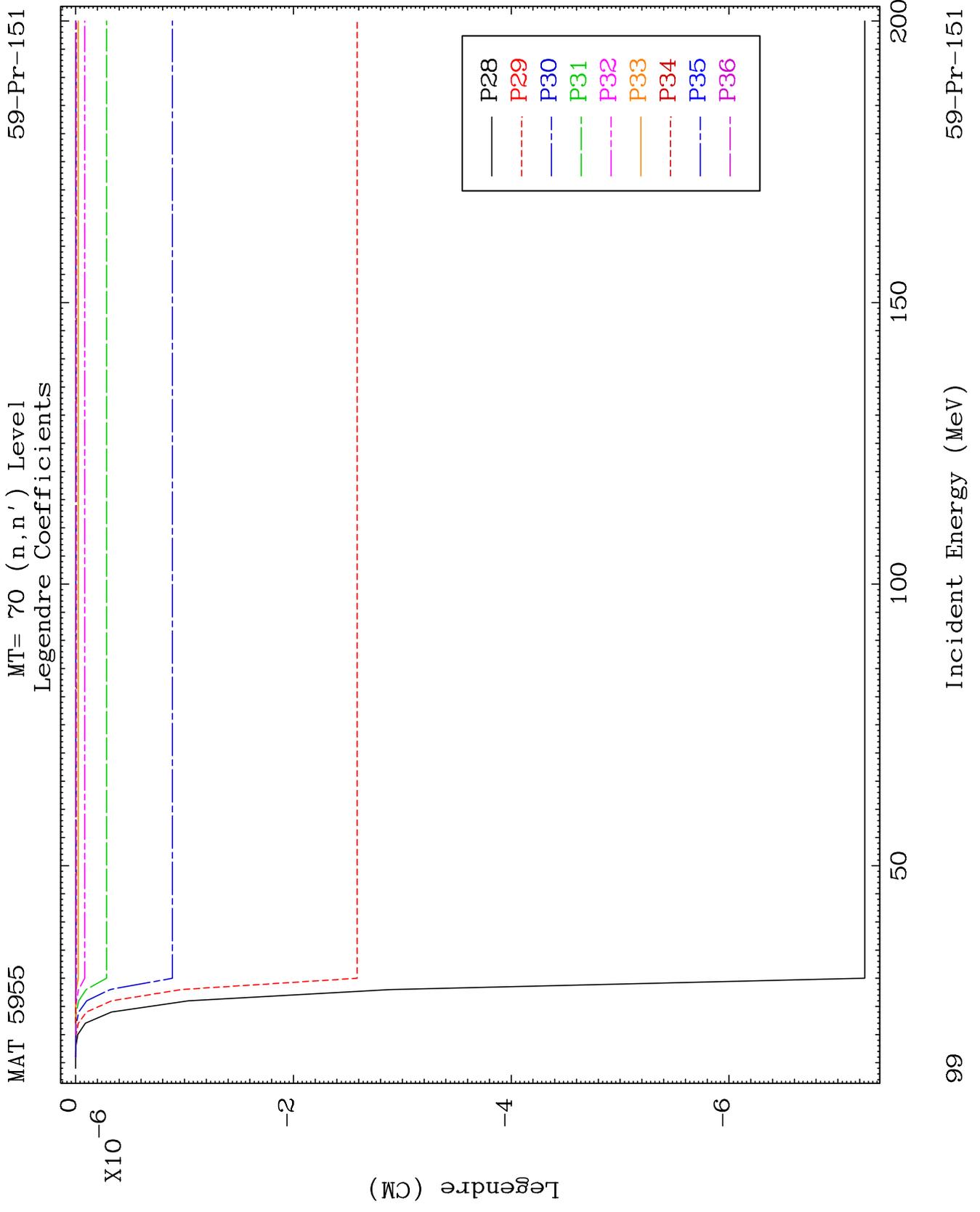
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98

Incident Energy (MeV)

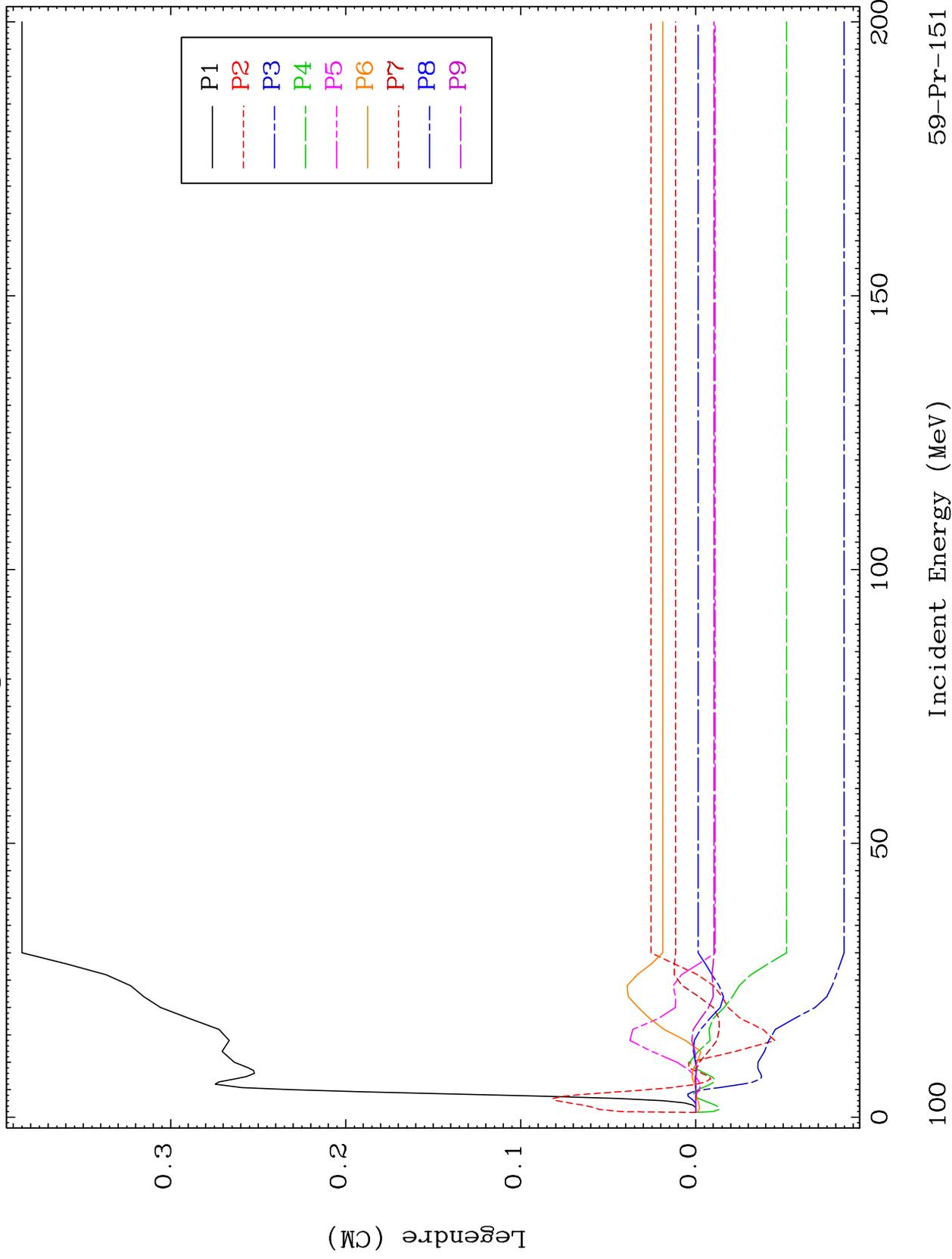
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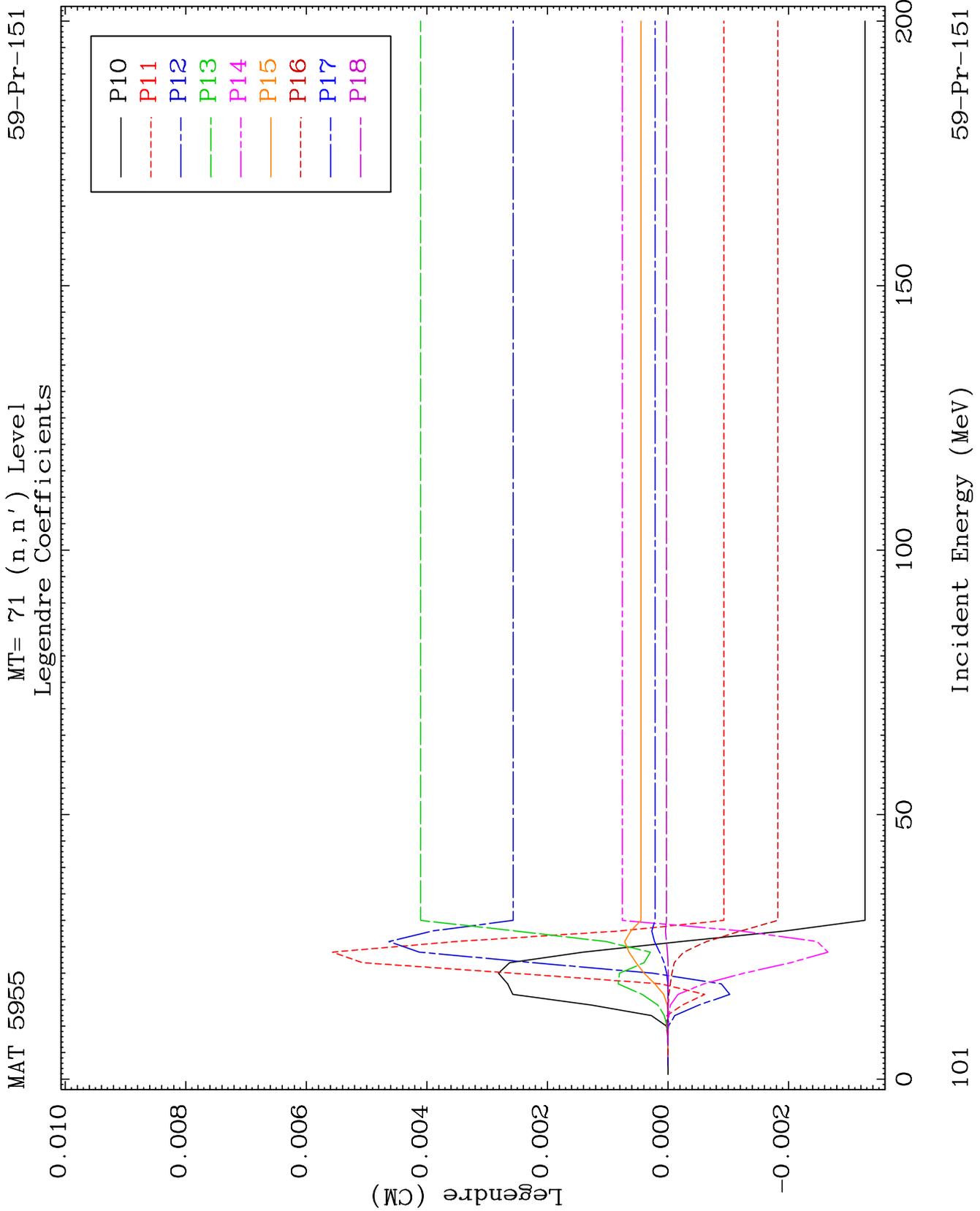
MAT 5955

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

59-Pr-151



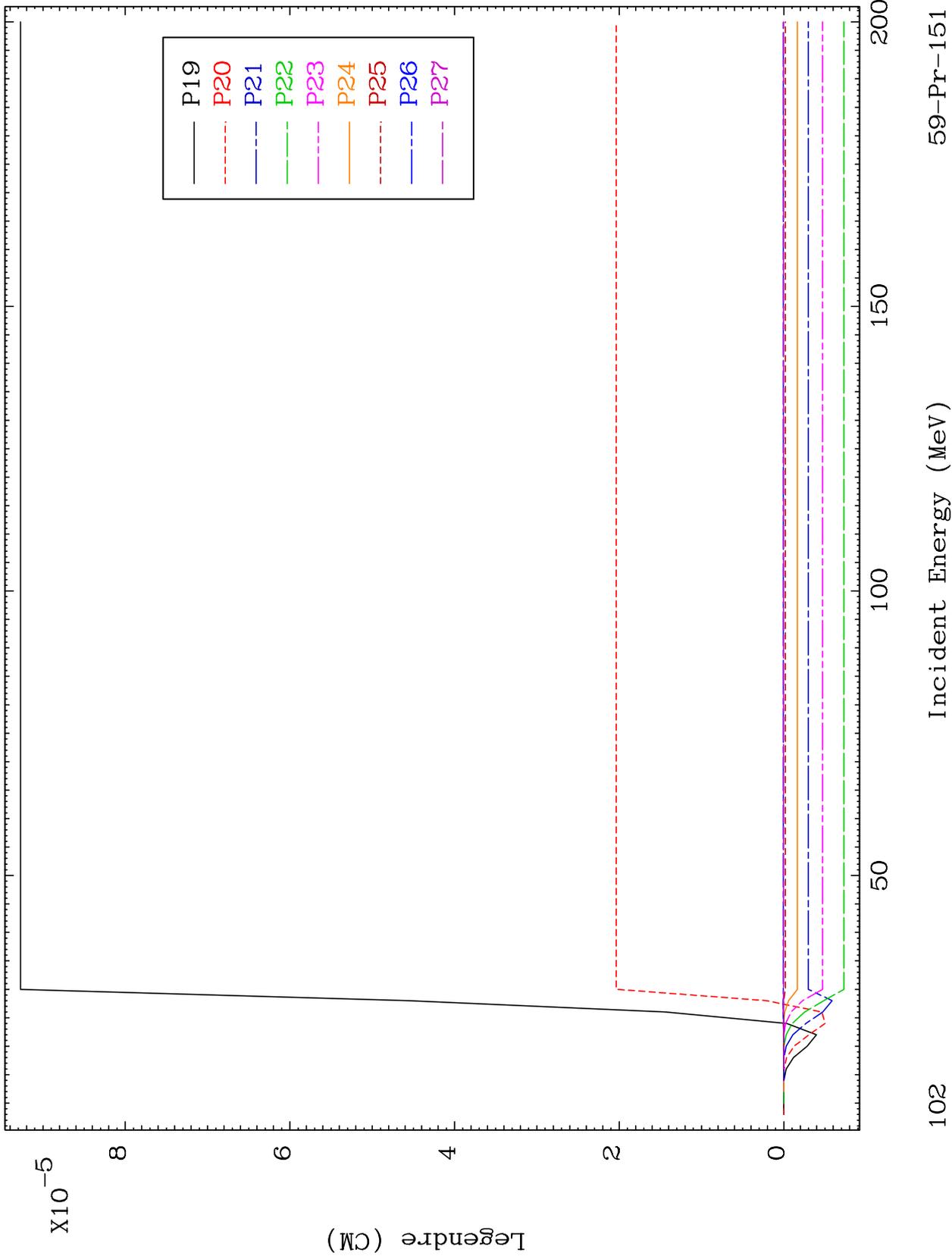
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MAT 5955

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

59-Pr-151



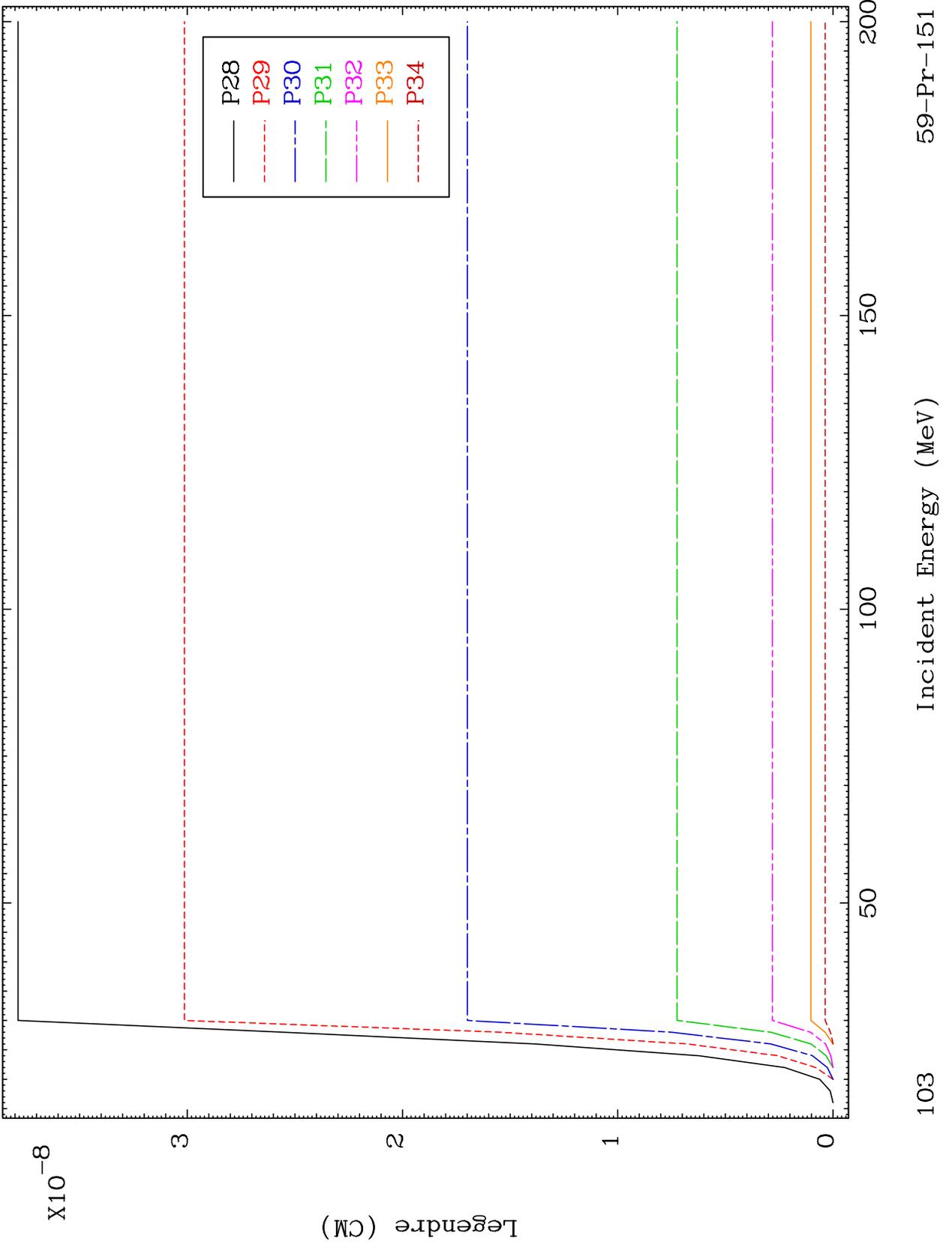
102

59-Pr-151

MAT 5955

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

59-Pr-151



103

Incident Energy (MeV)

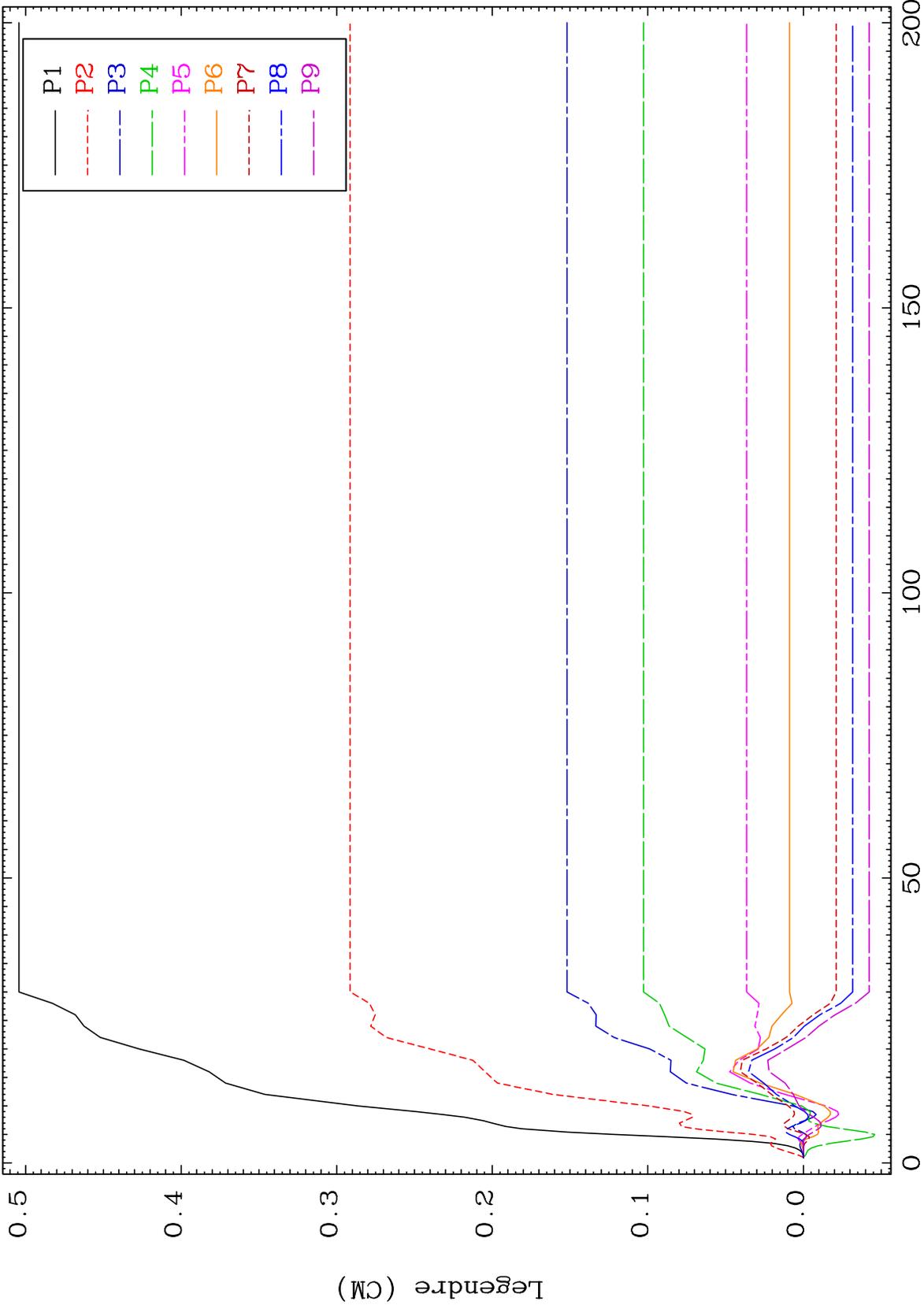
59-Pr-151

MAT 5955

MT= 72 (n,n') Level

59-Pr-151

Legendre Coefficients



59-Pr-151

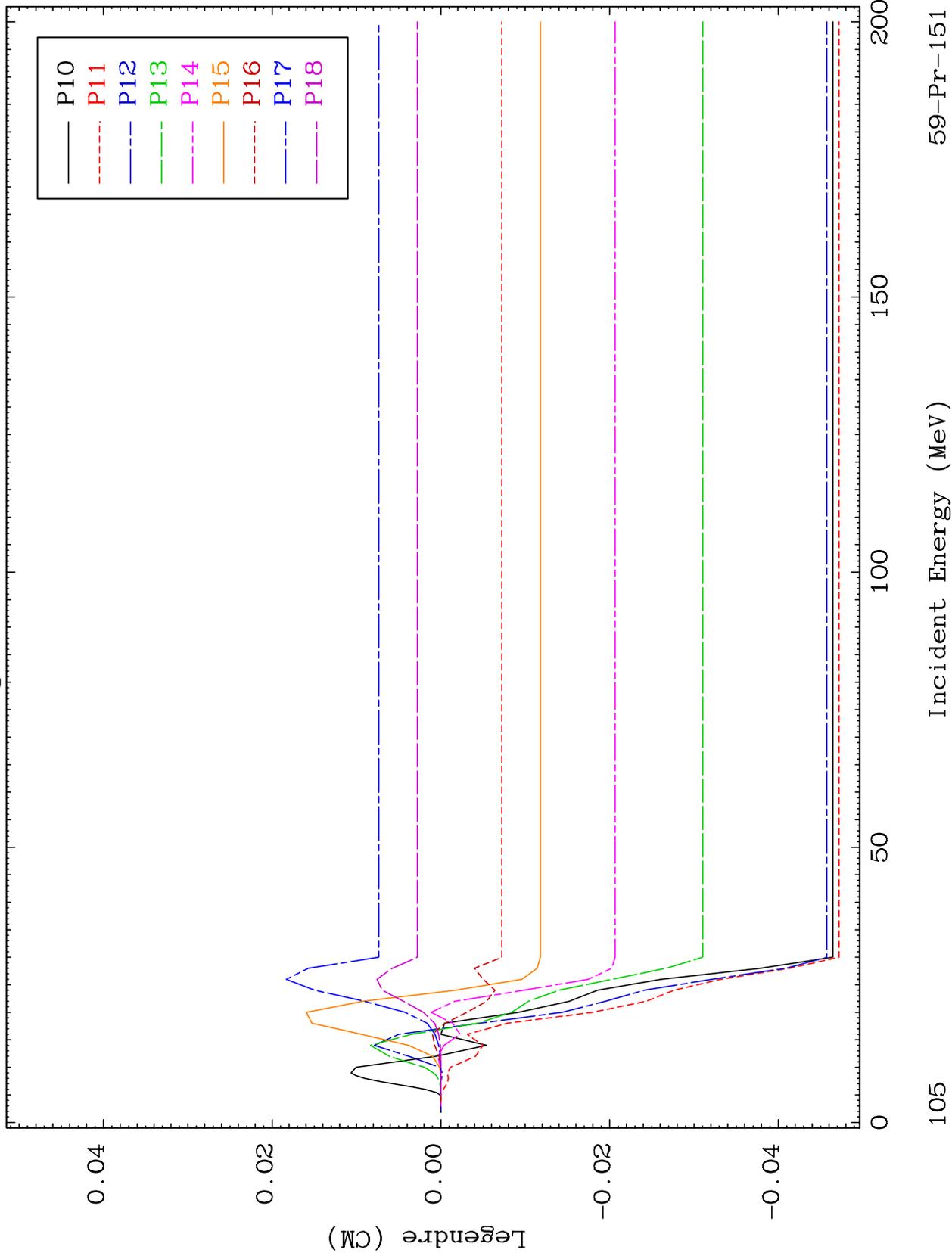
Incident Energy (MeV)

104

MAT 5955

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

59-Pr-151



59-Pr-151

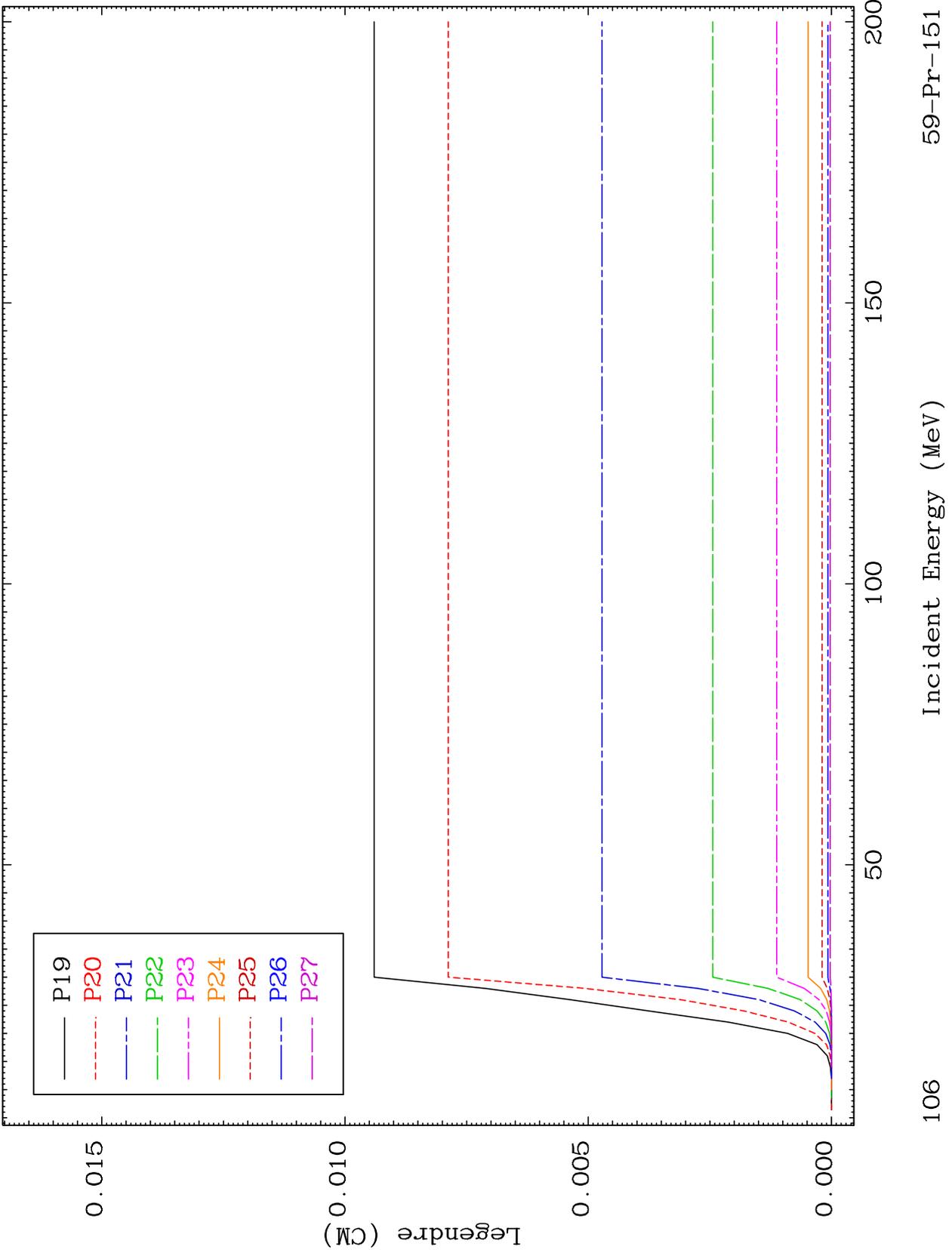
Incident Energy (MeV)

105

MAT 5955

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

59-Pr-151



106

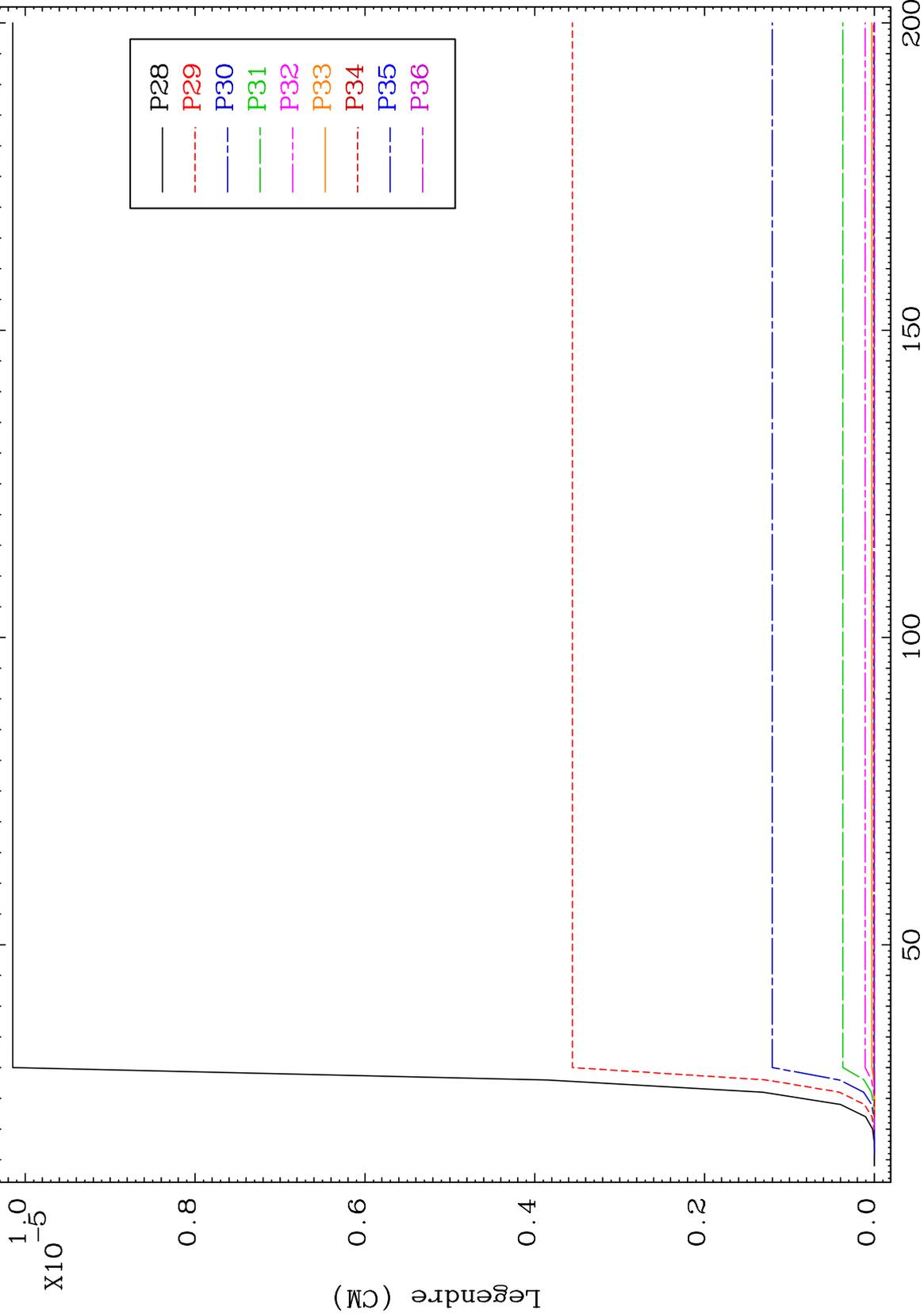
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

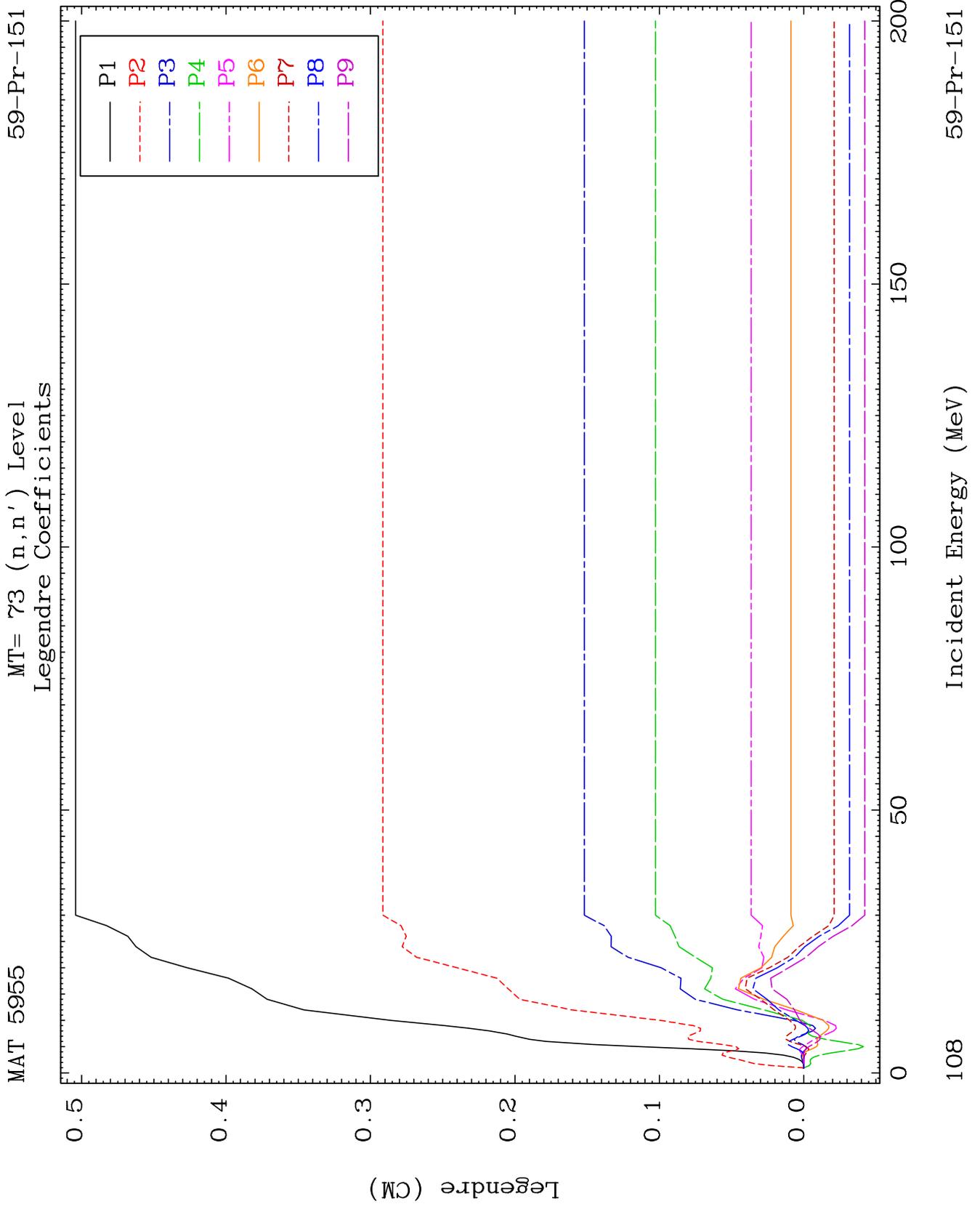
59-Pr-151



107

Incident Energy (MeV)

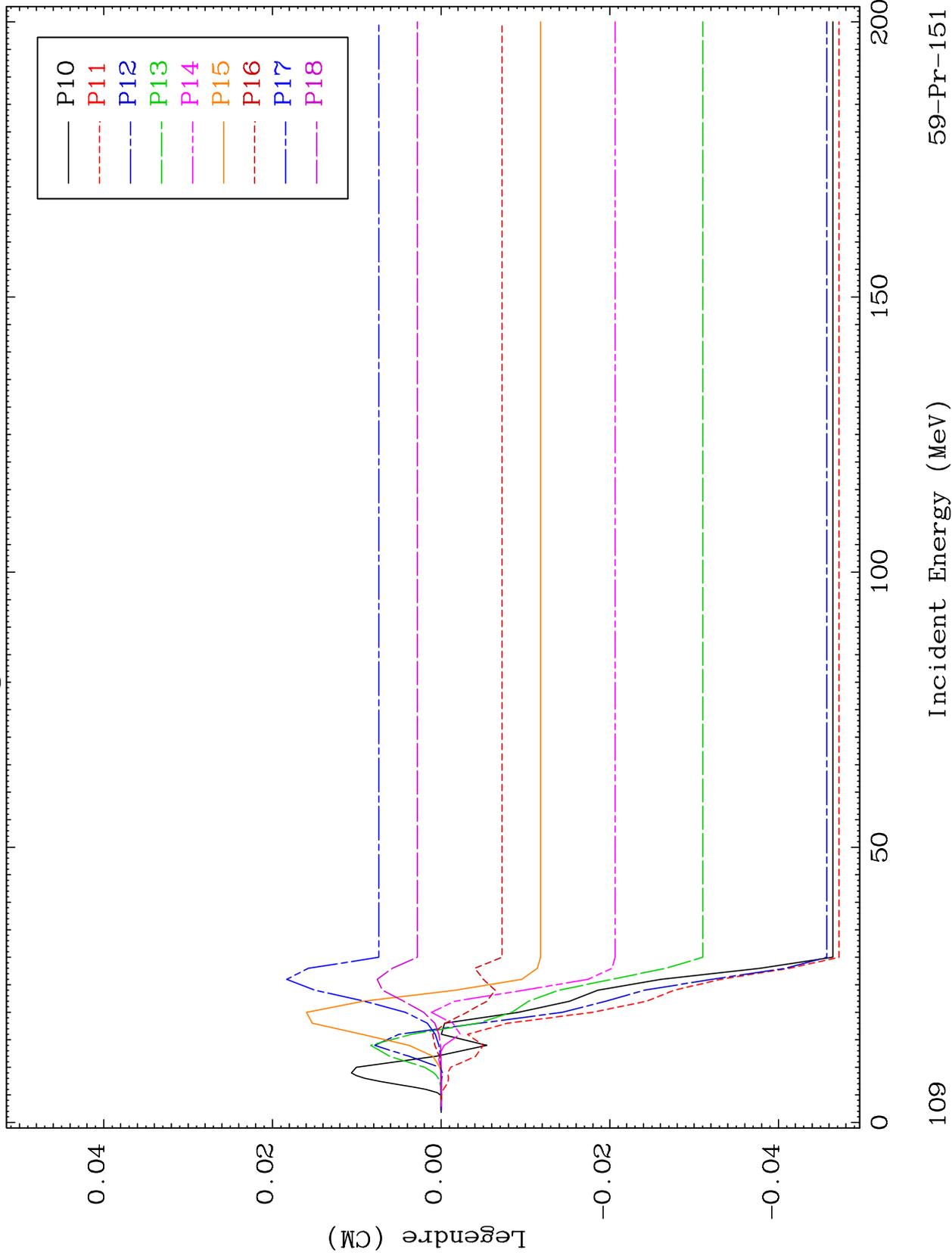
59-Pr-151



MAT 5955

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

59-Pr-151



109

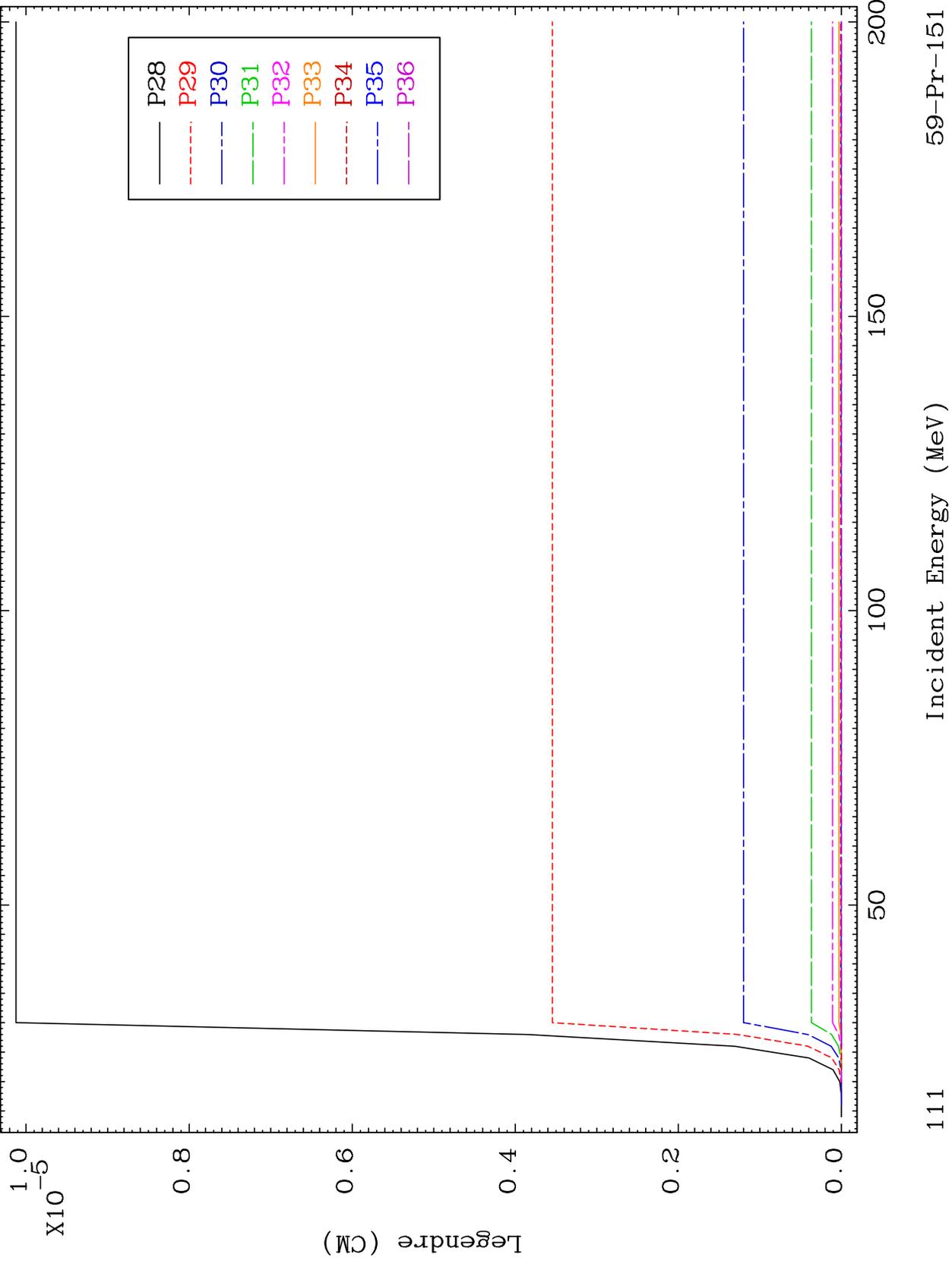
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

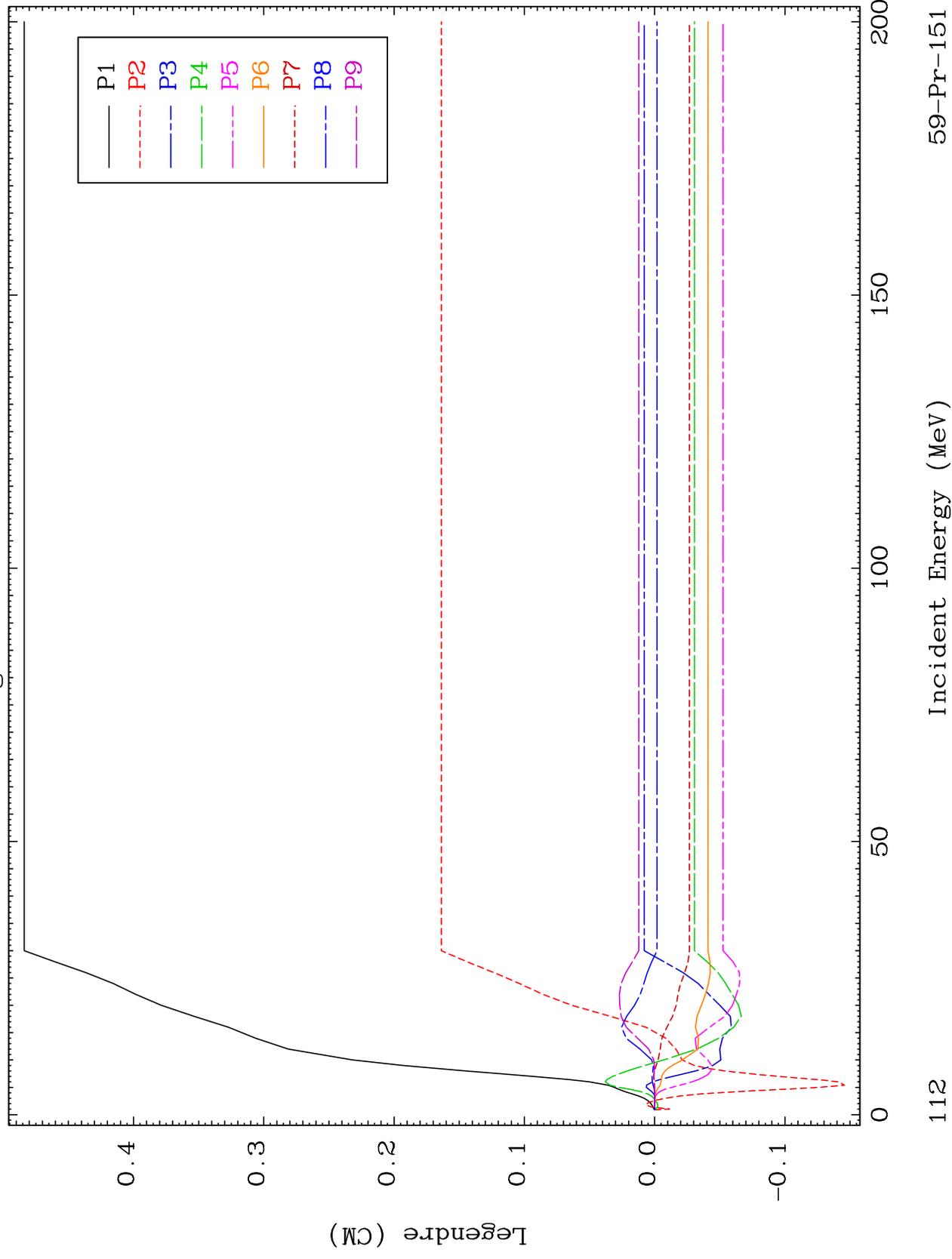
59-Pr-151



MAT 5955

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

59-Pr-151



59-Pr-151

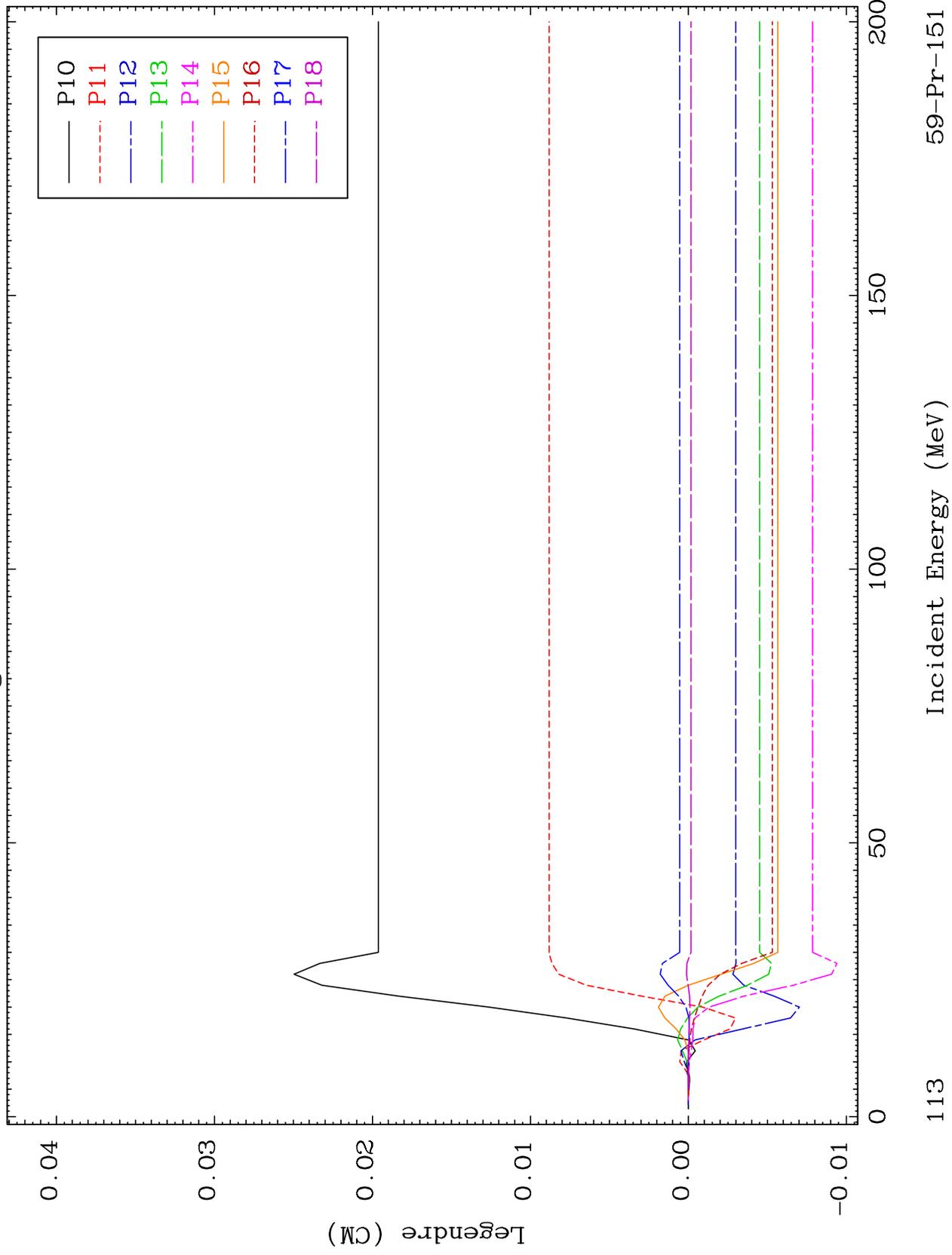
Incident Energy (MeV)

112

MAT 5955

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

59-Pr-151



59-Pr-151

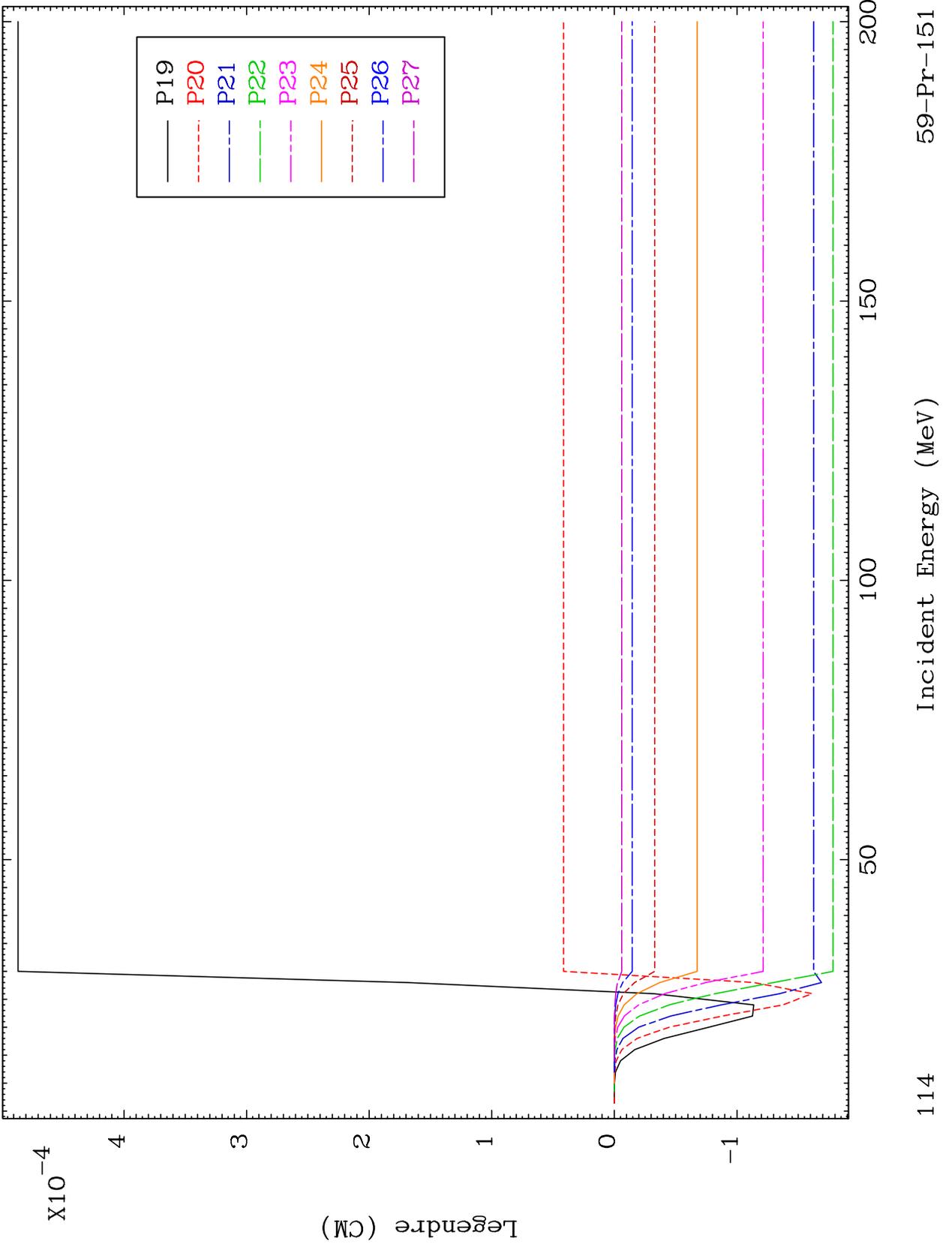
Incident Energy (MeV)

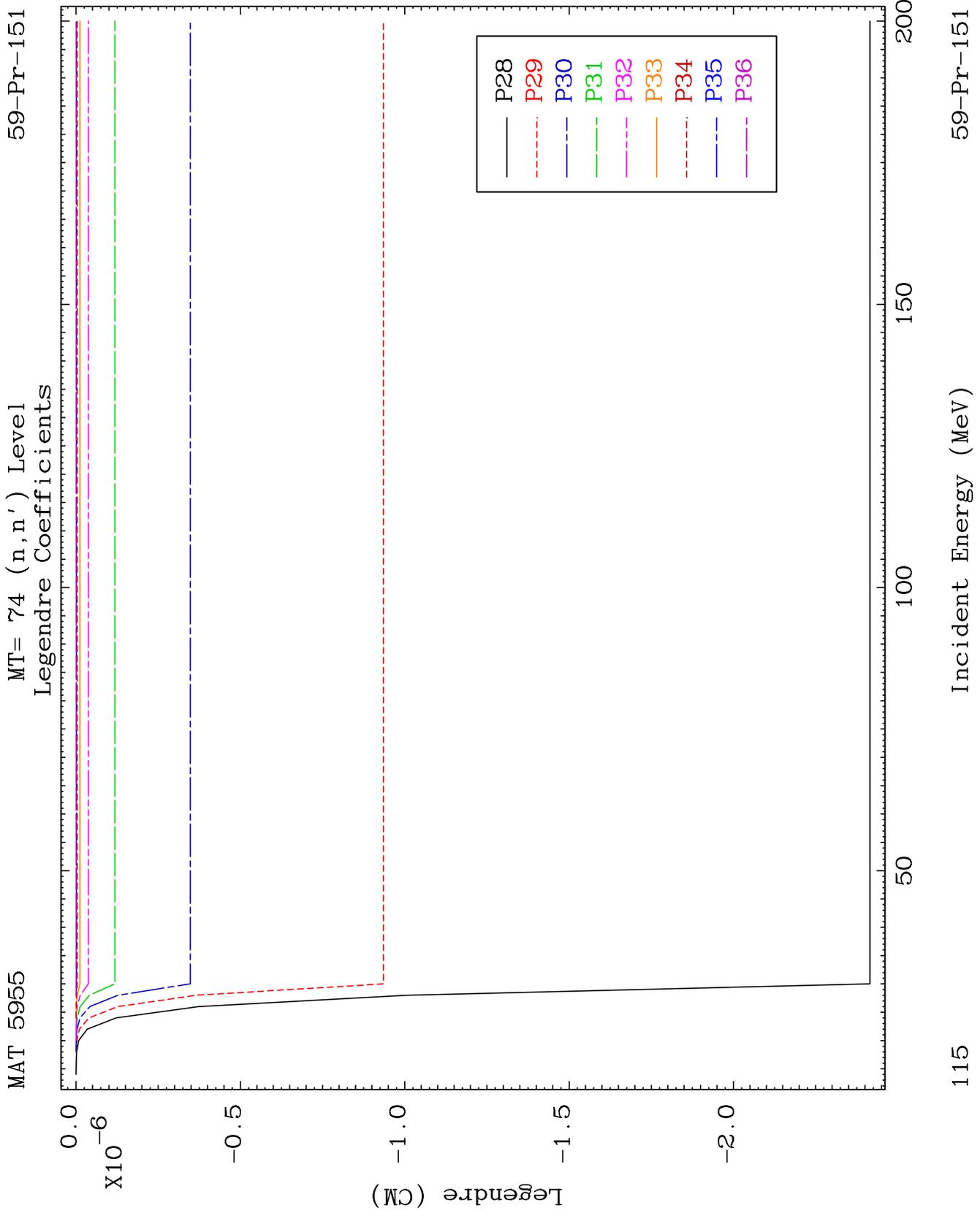
113

MAT 5955

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

59-Pr-151

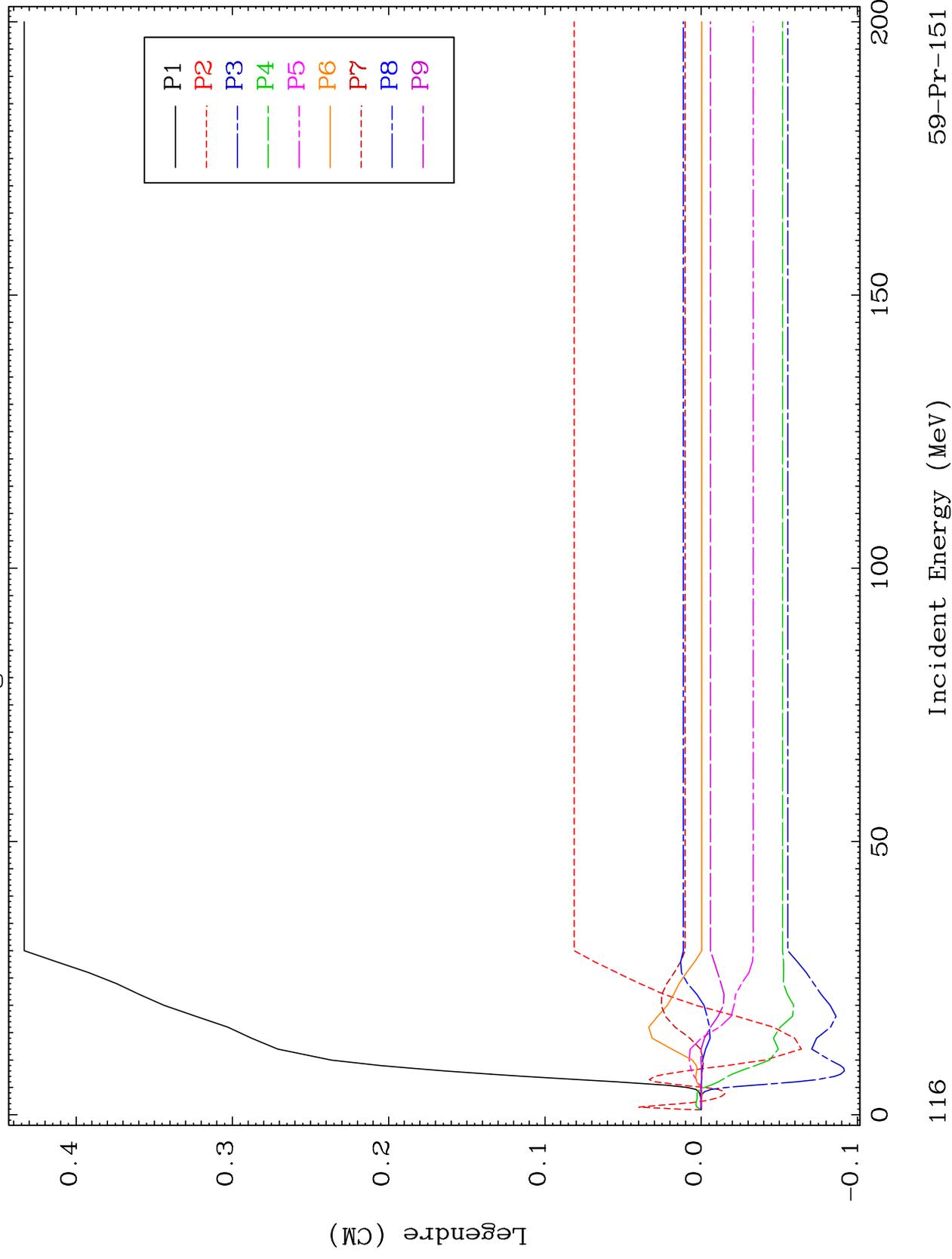




MAT 5955

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

59-Pr-151



59-Pr-151

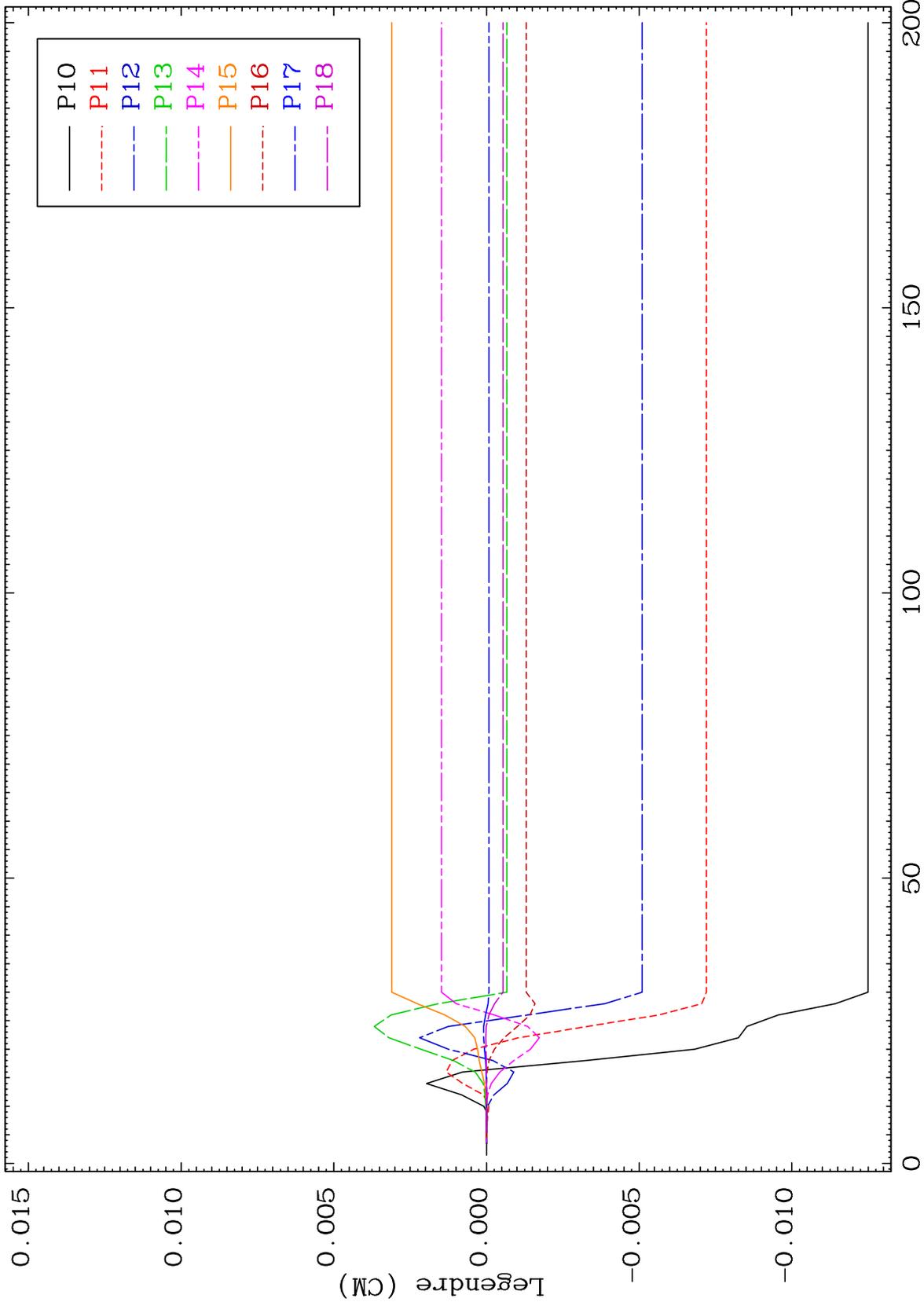
Incident Energy (MeV)

116

MAT 5955

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

59-Pr-151



117

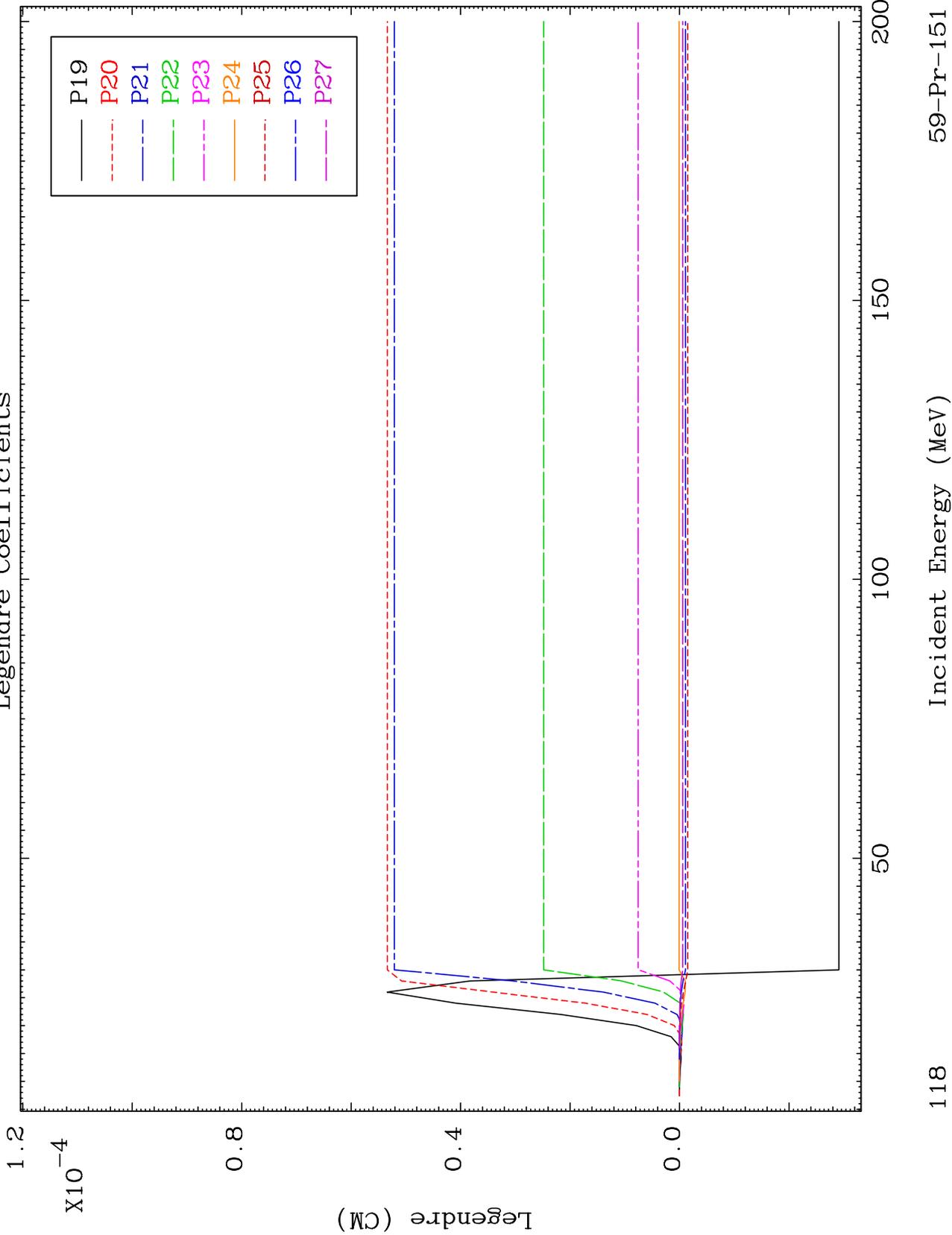
Incident Energy (MeV)

59-Pr-151

MAT 5955

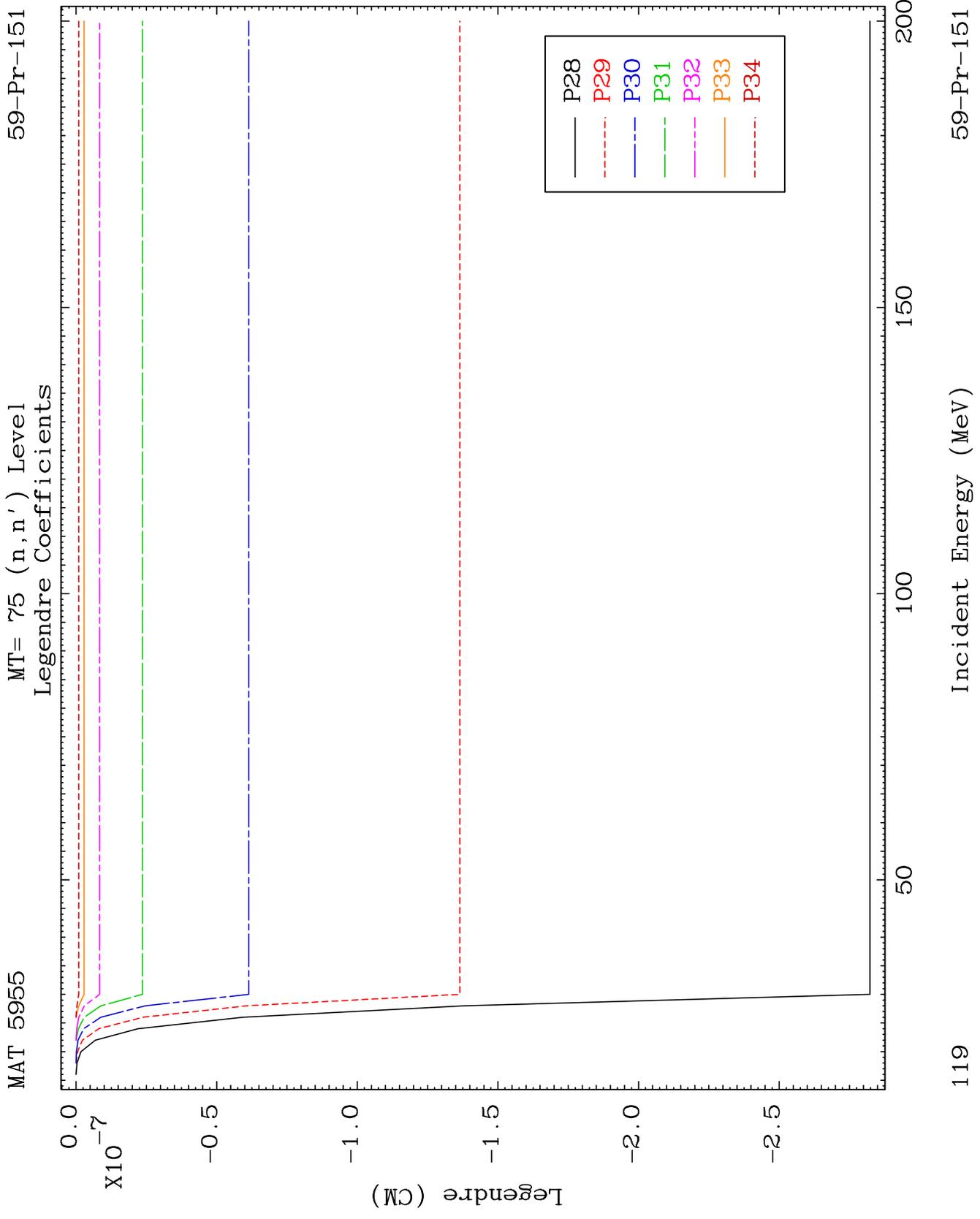
MT= 75 (n,n') Level
Legendre Coefficients

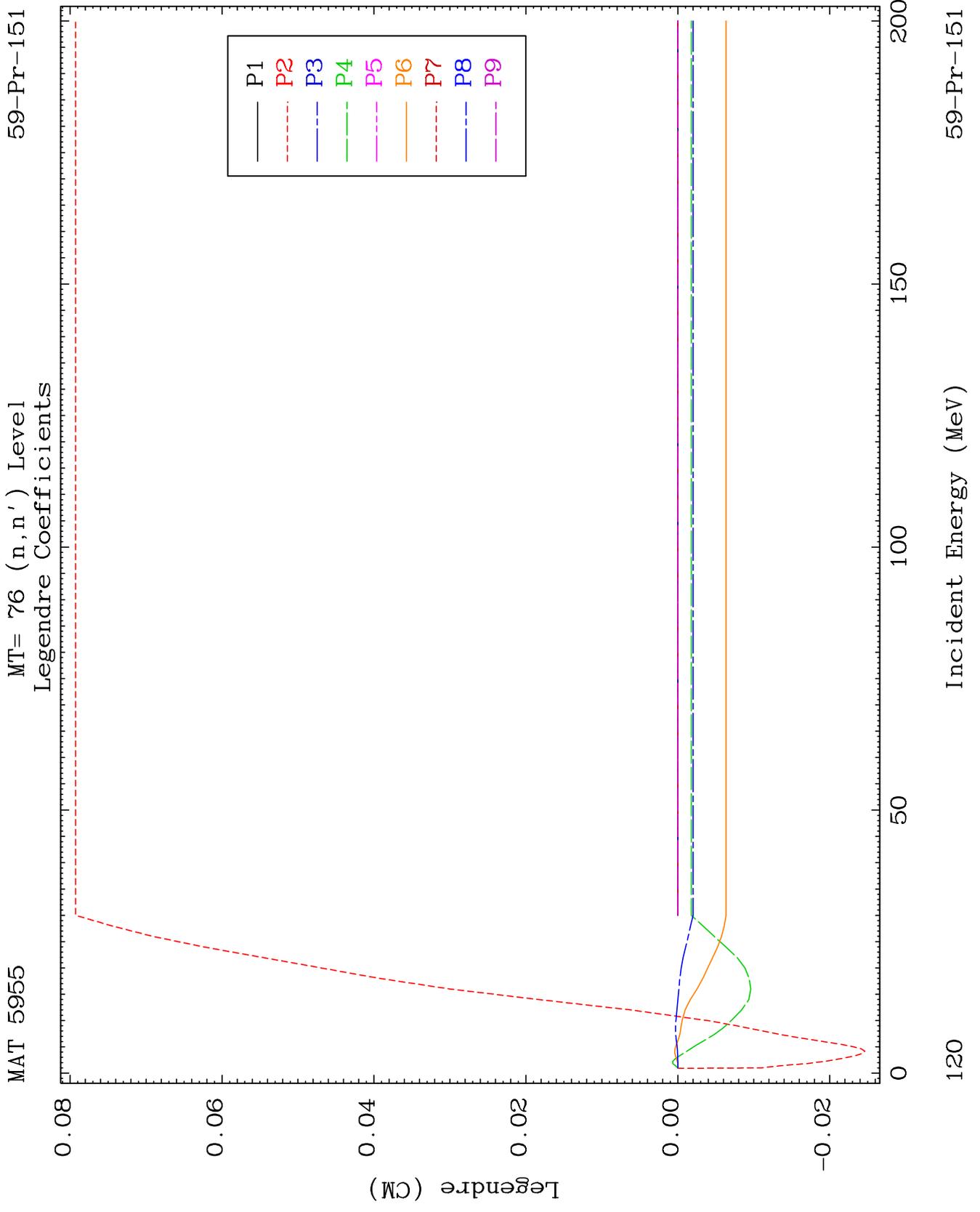
59-Pr-151



118

59-Pr-151

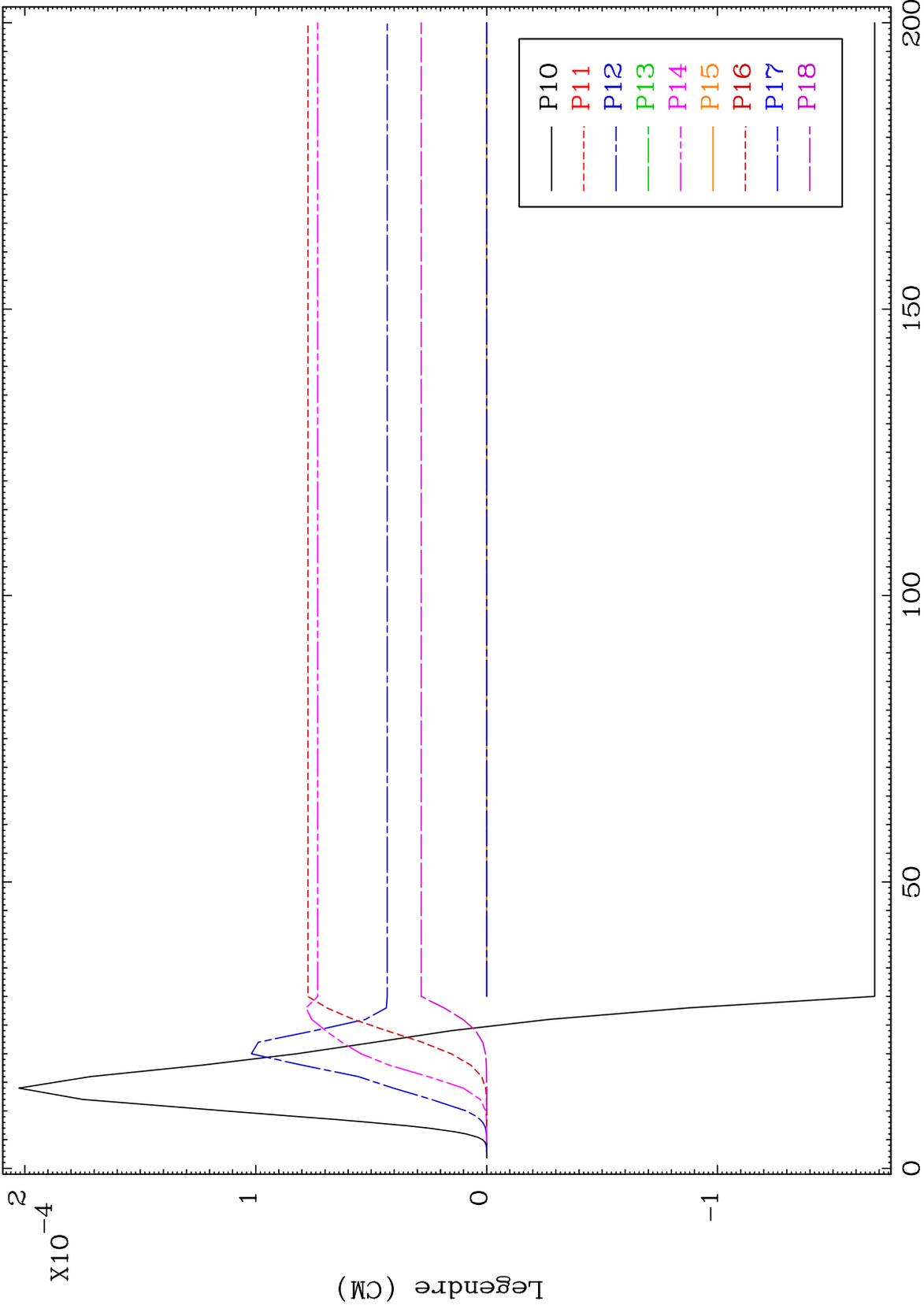




MAT 5955

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

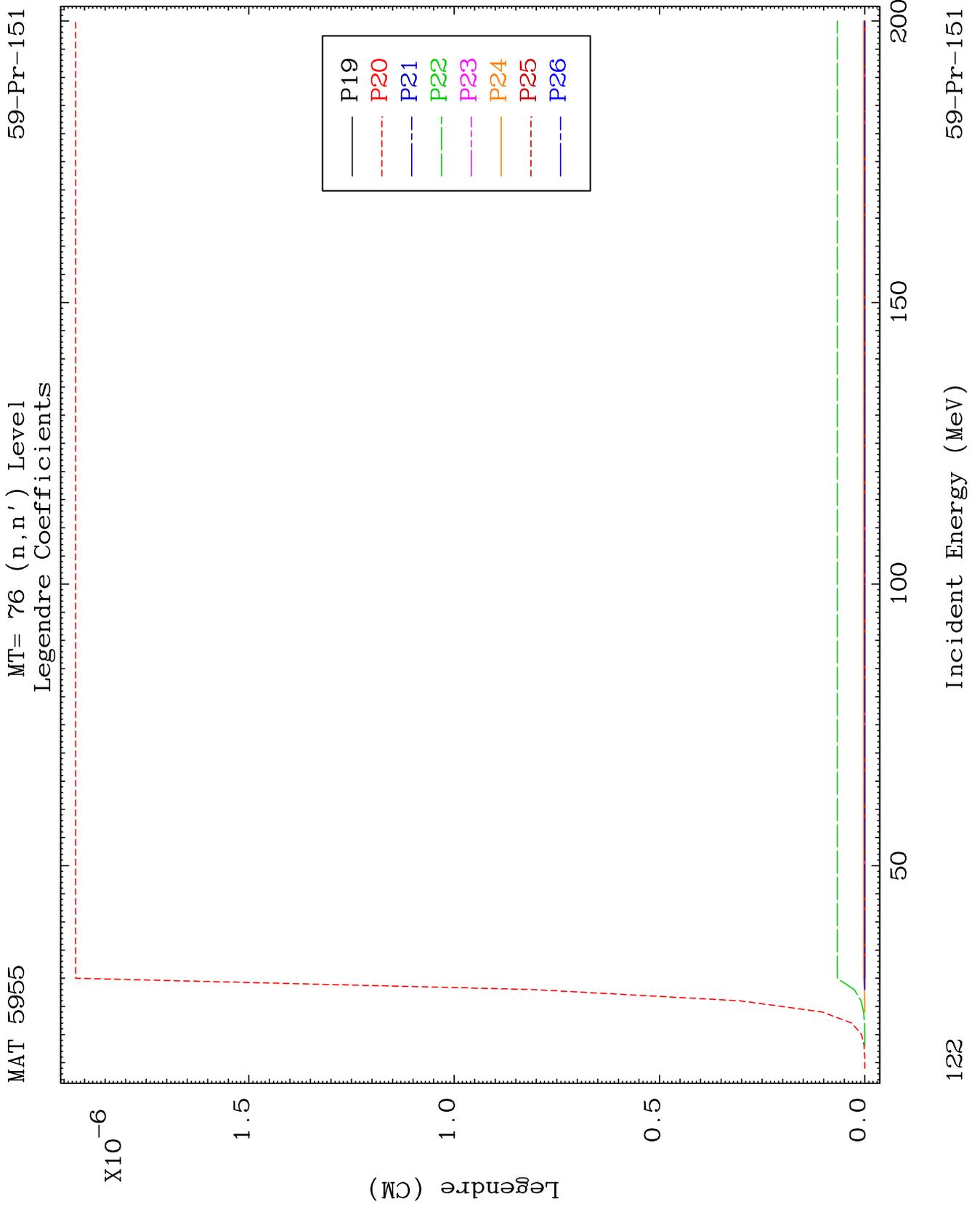
59-Pr-151



121

Incident Energy (MeV)

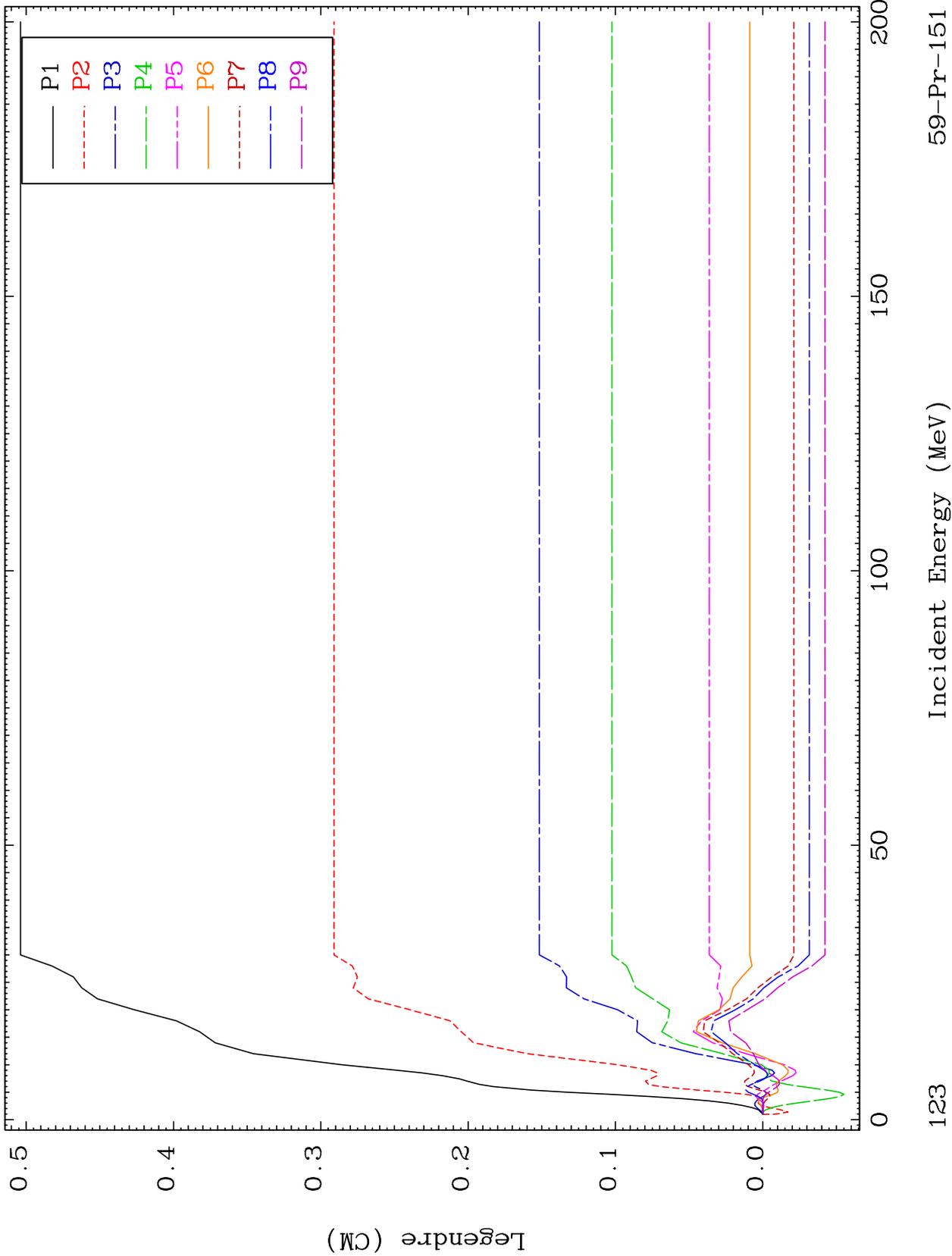
59-Pr-151



MAT 5955

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

59-Pr-151



59-Pr-151

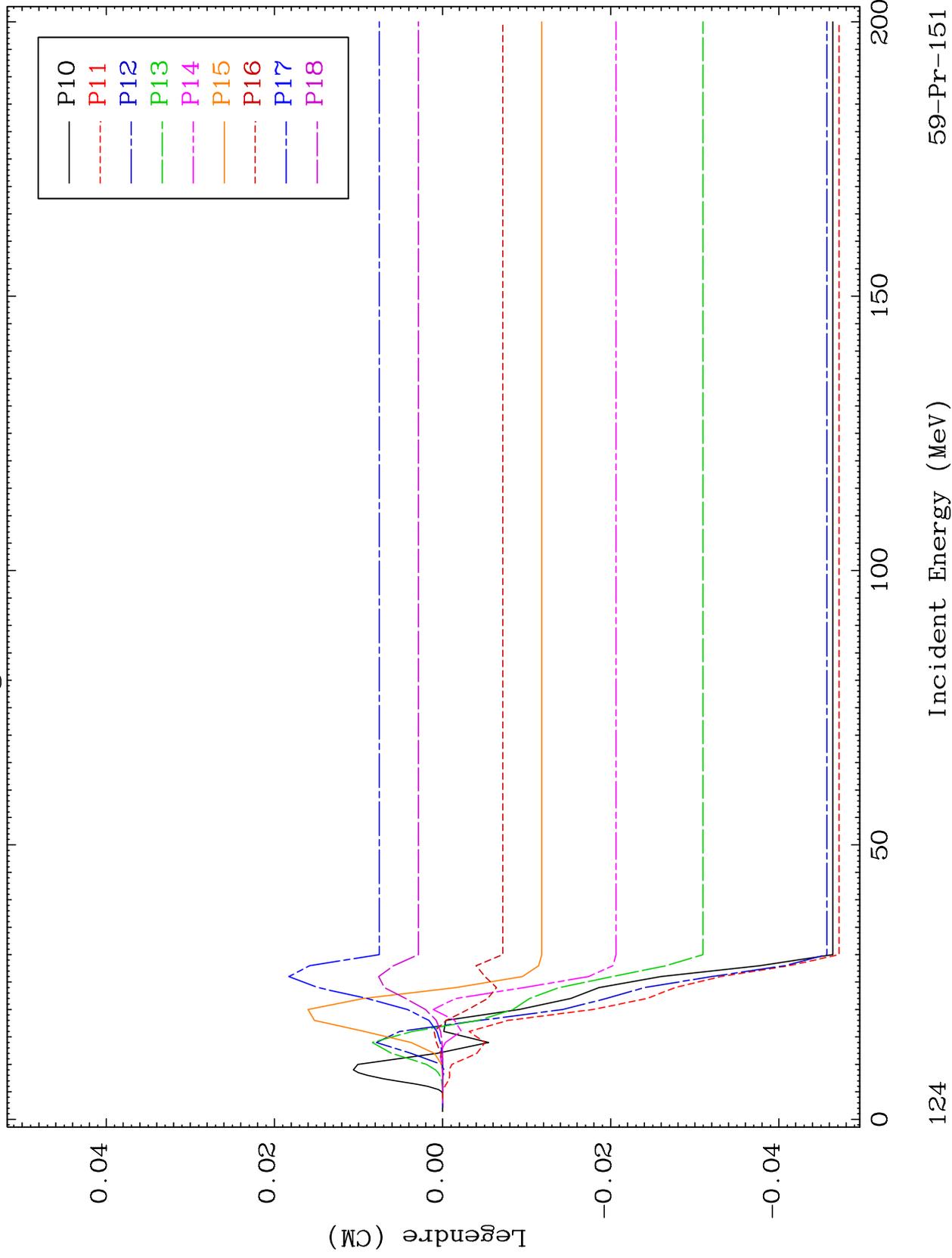
Incident Energy (MeV)

123

MAT 5955

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

59-Pr-151



124

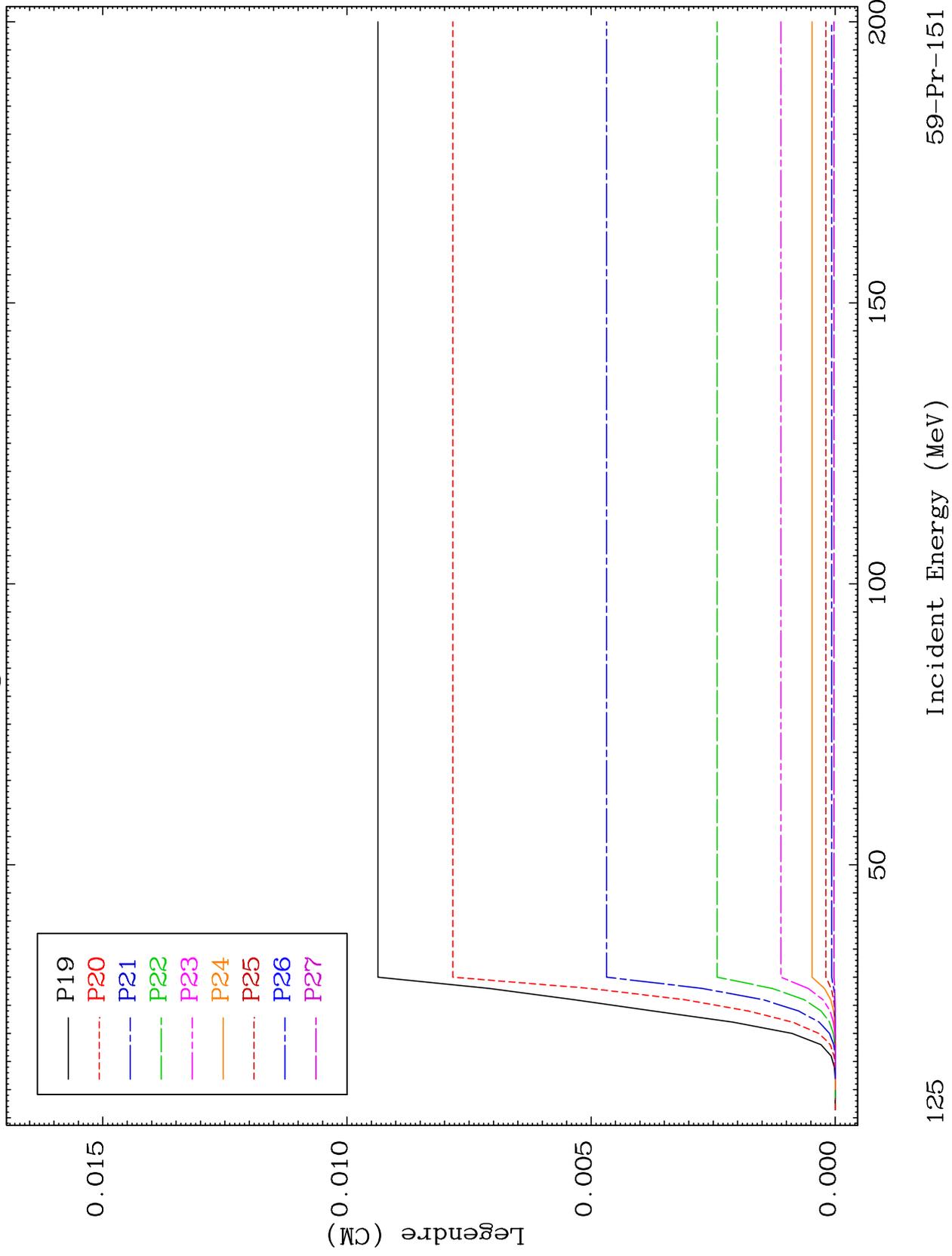
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

59-Pr-151



125

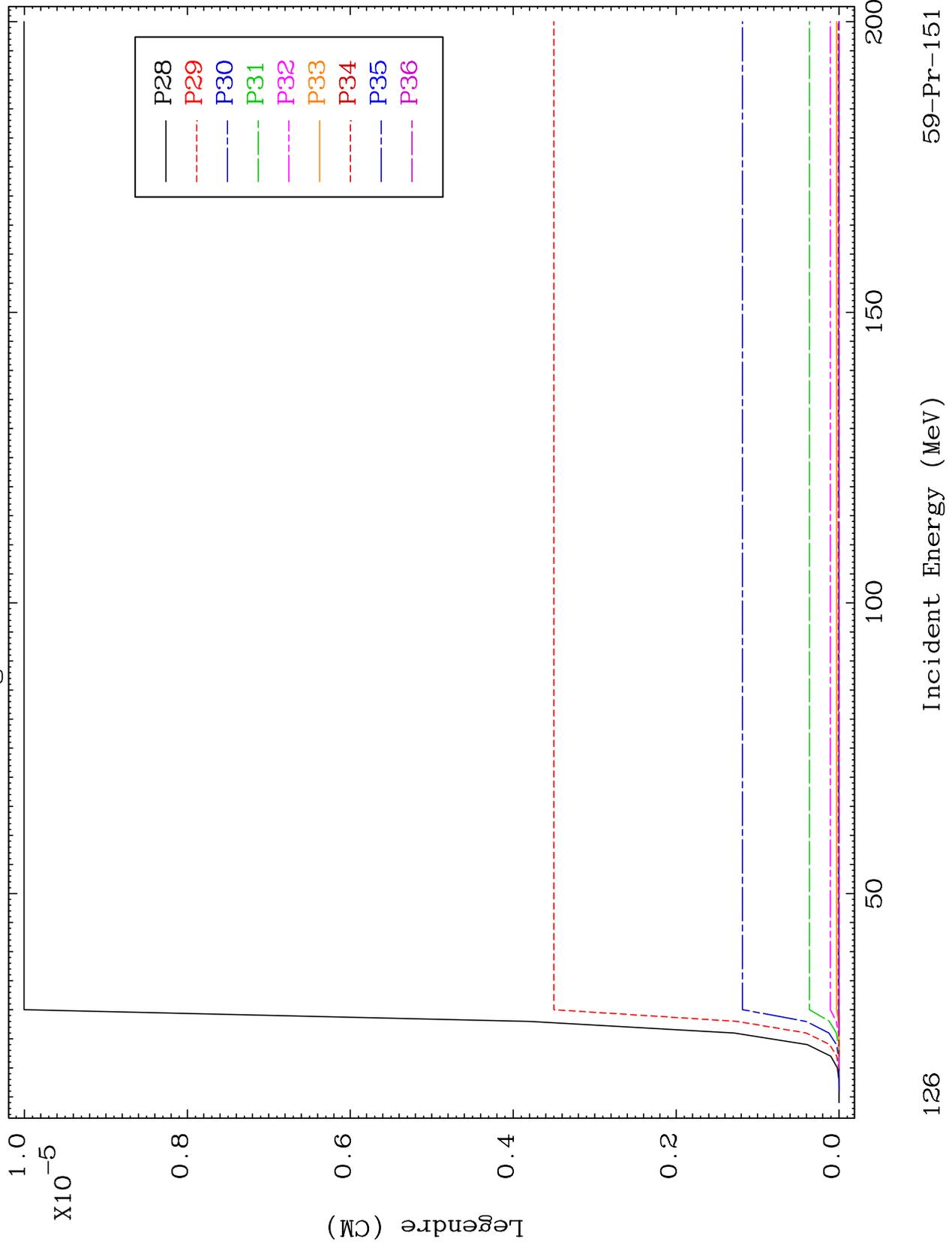
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

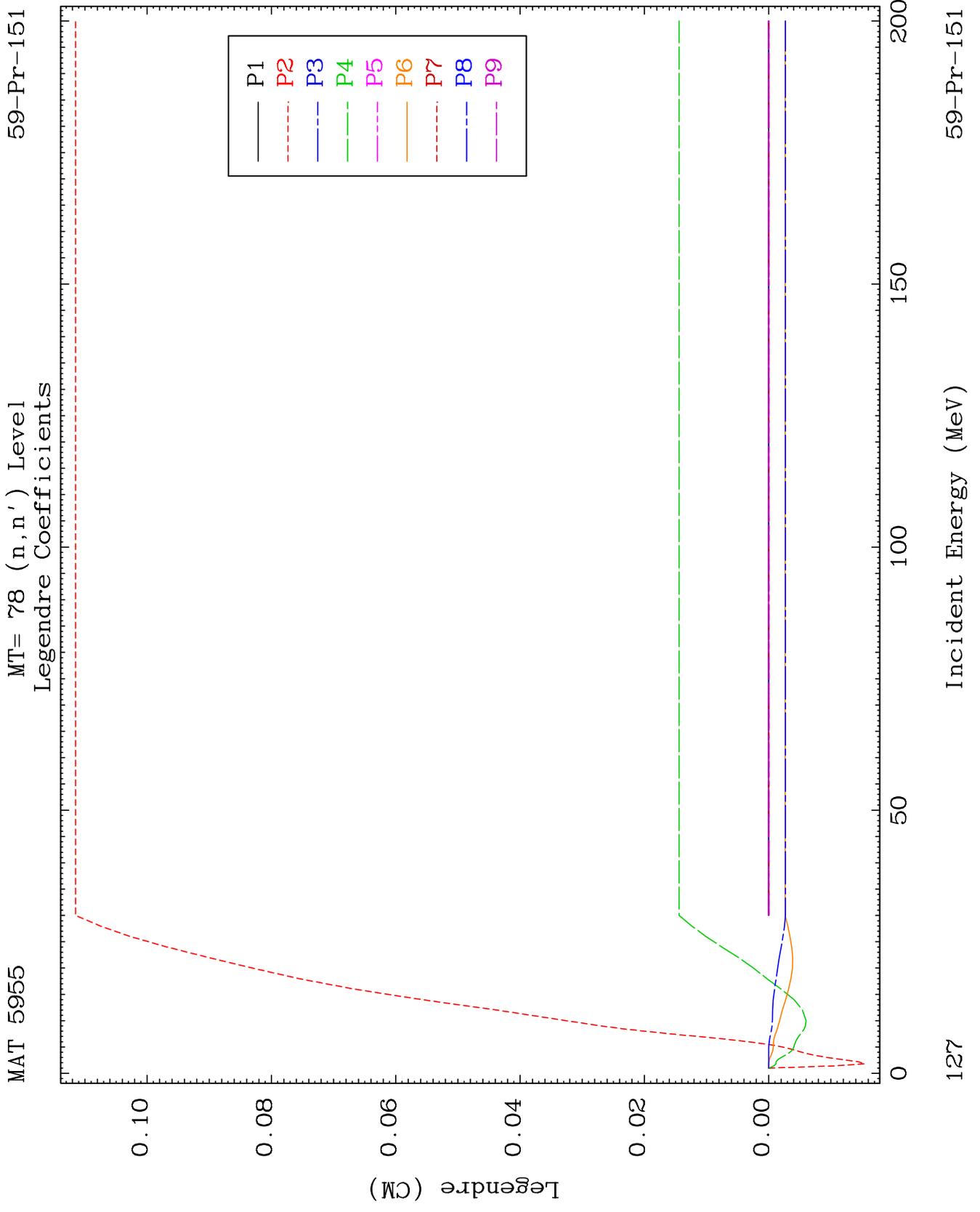
59-Pr-151

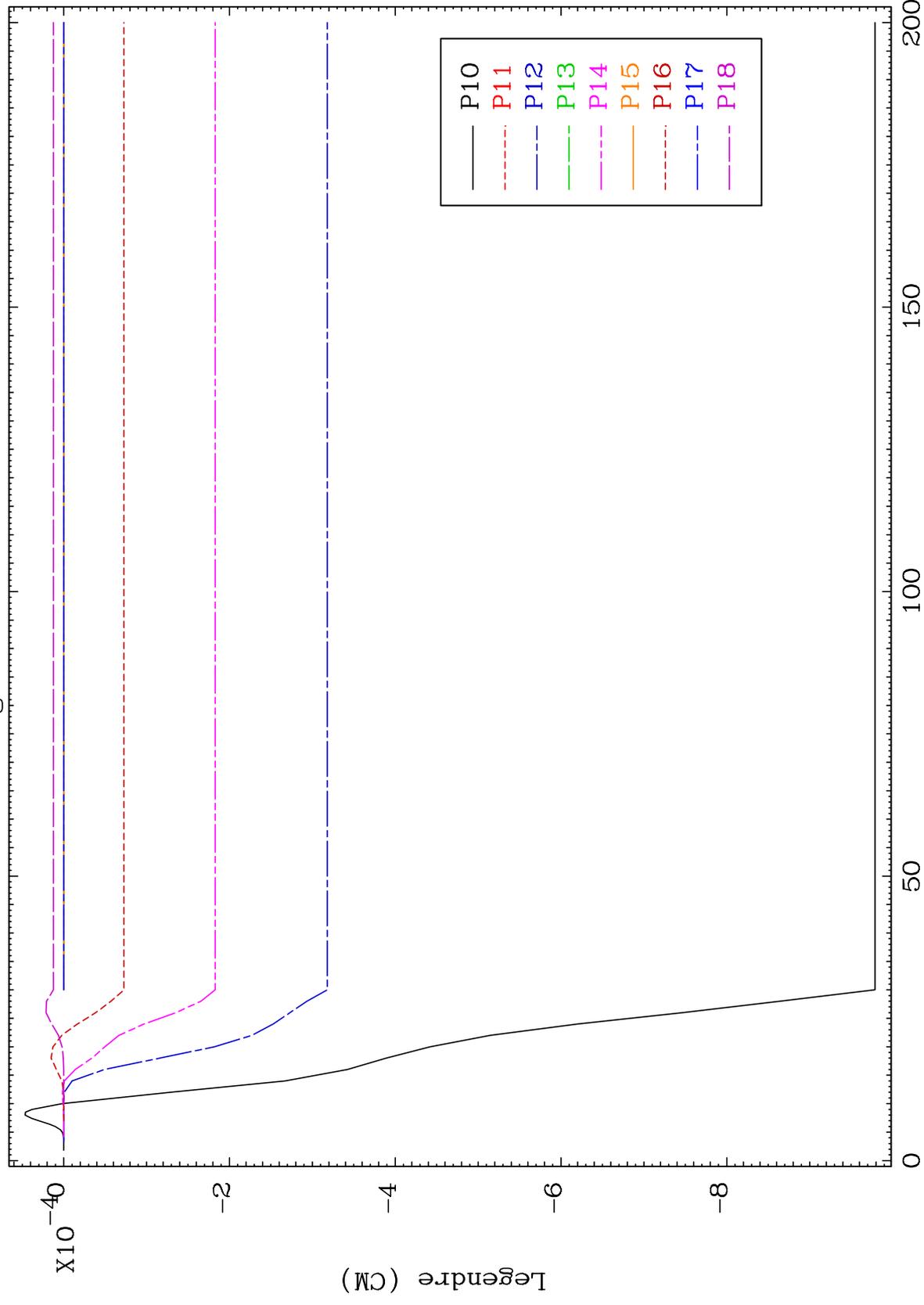


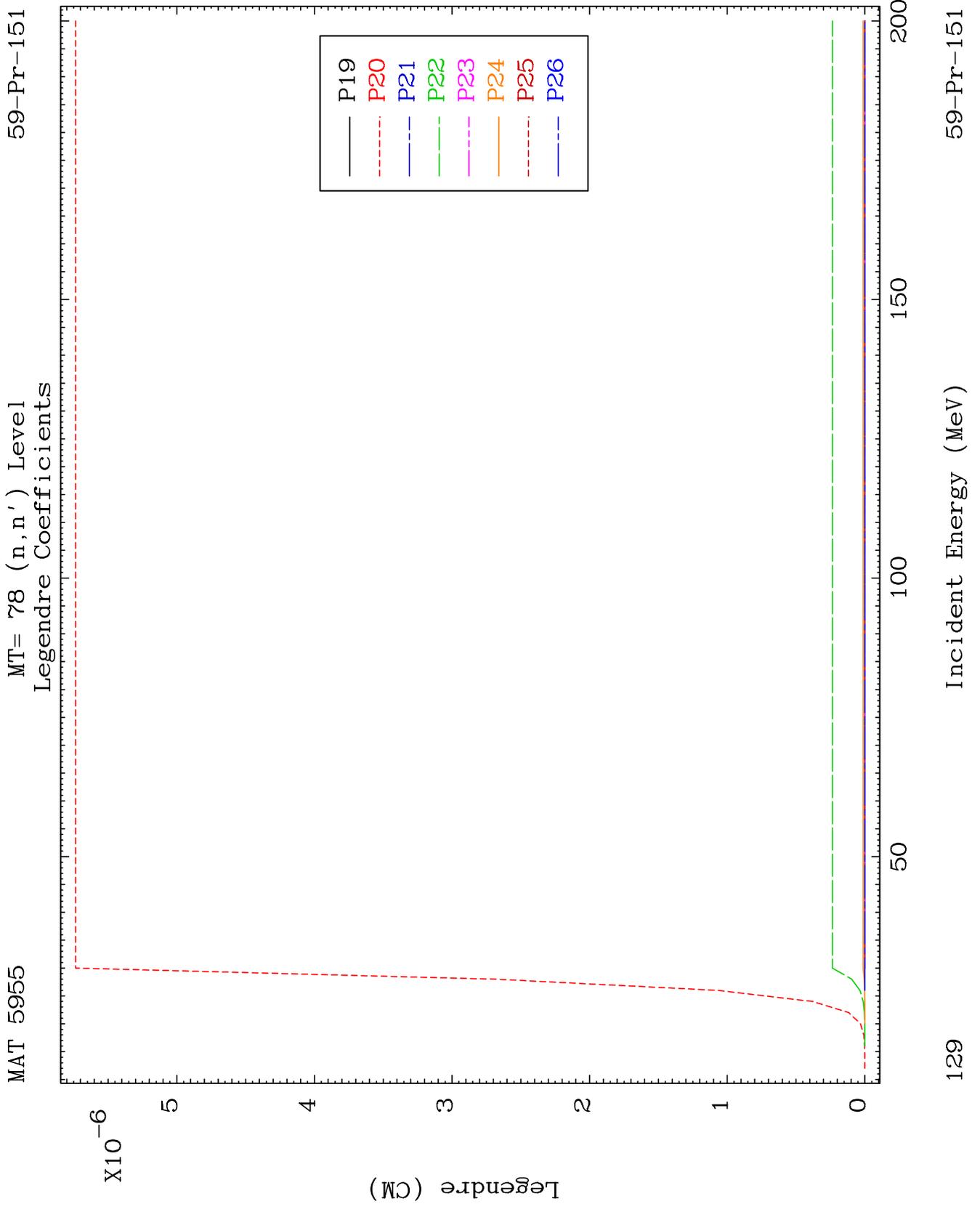
126

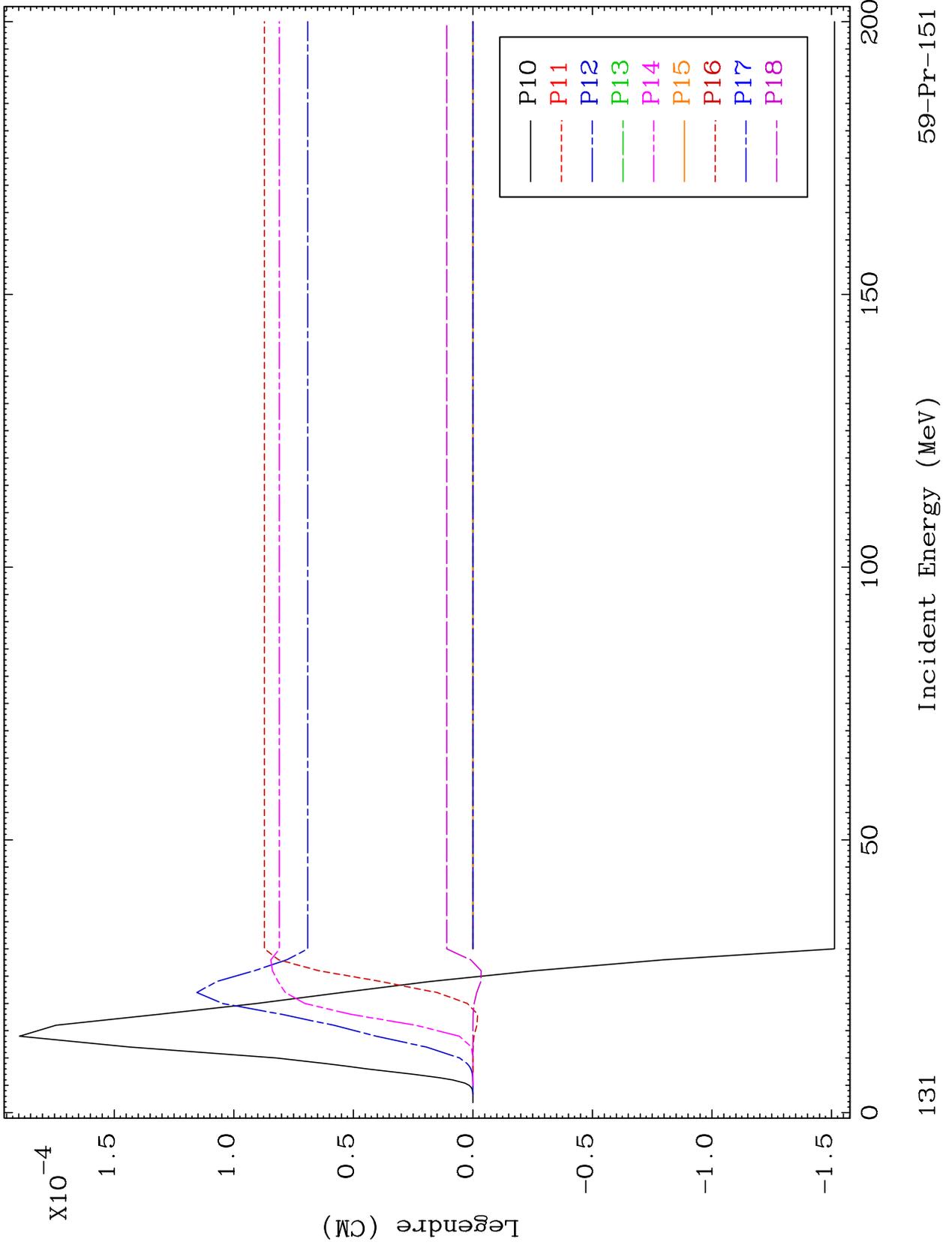
Incident Energy (MeV)

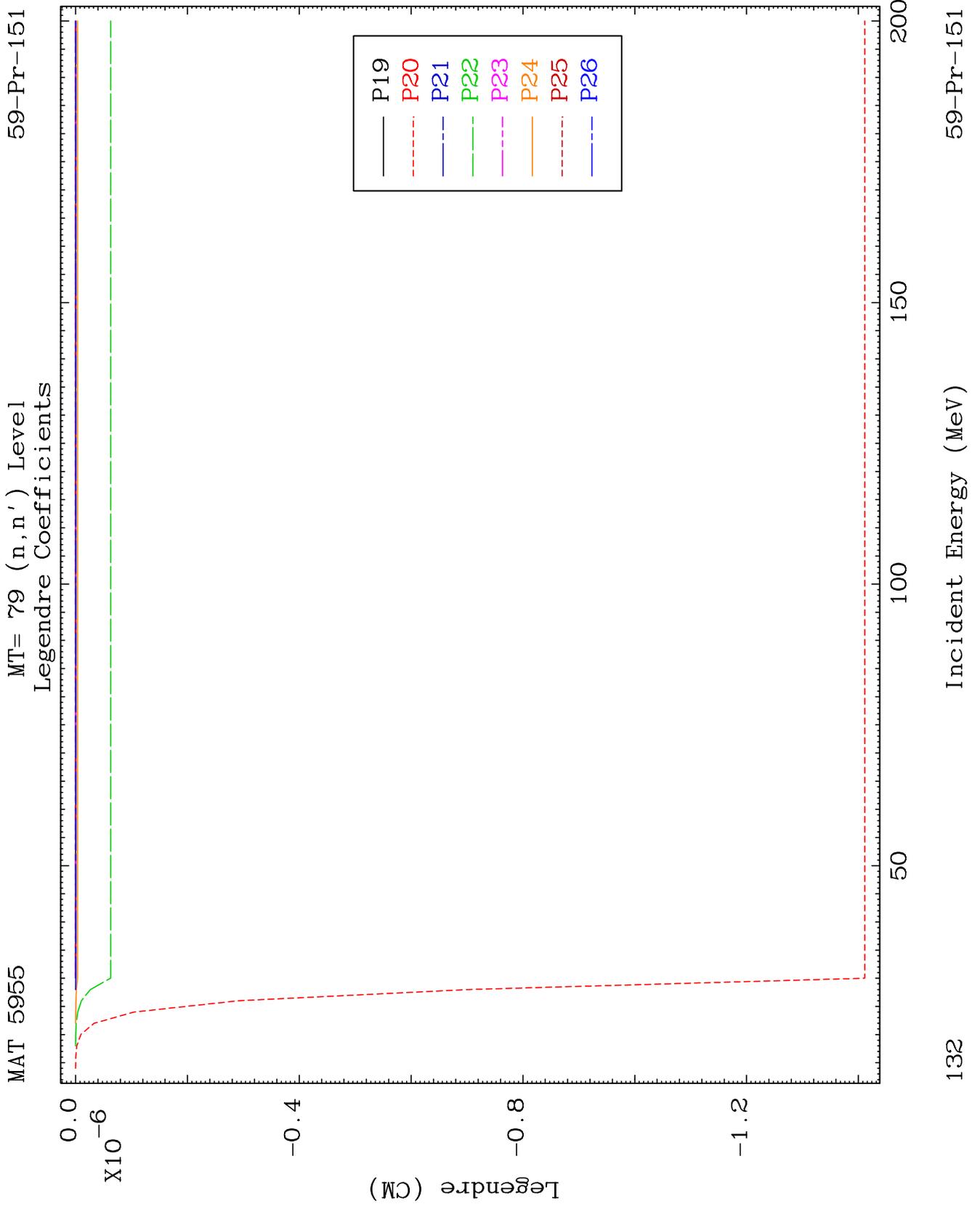
59-Pr-151







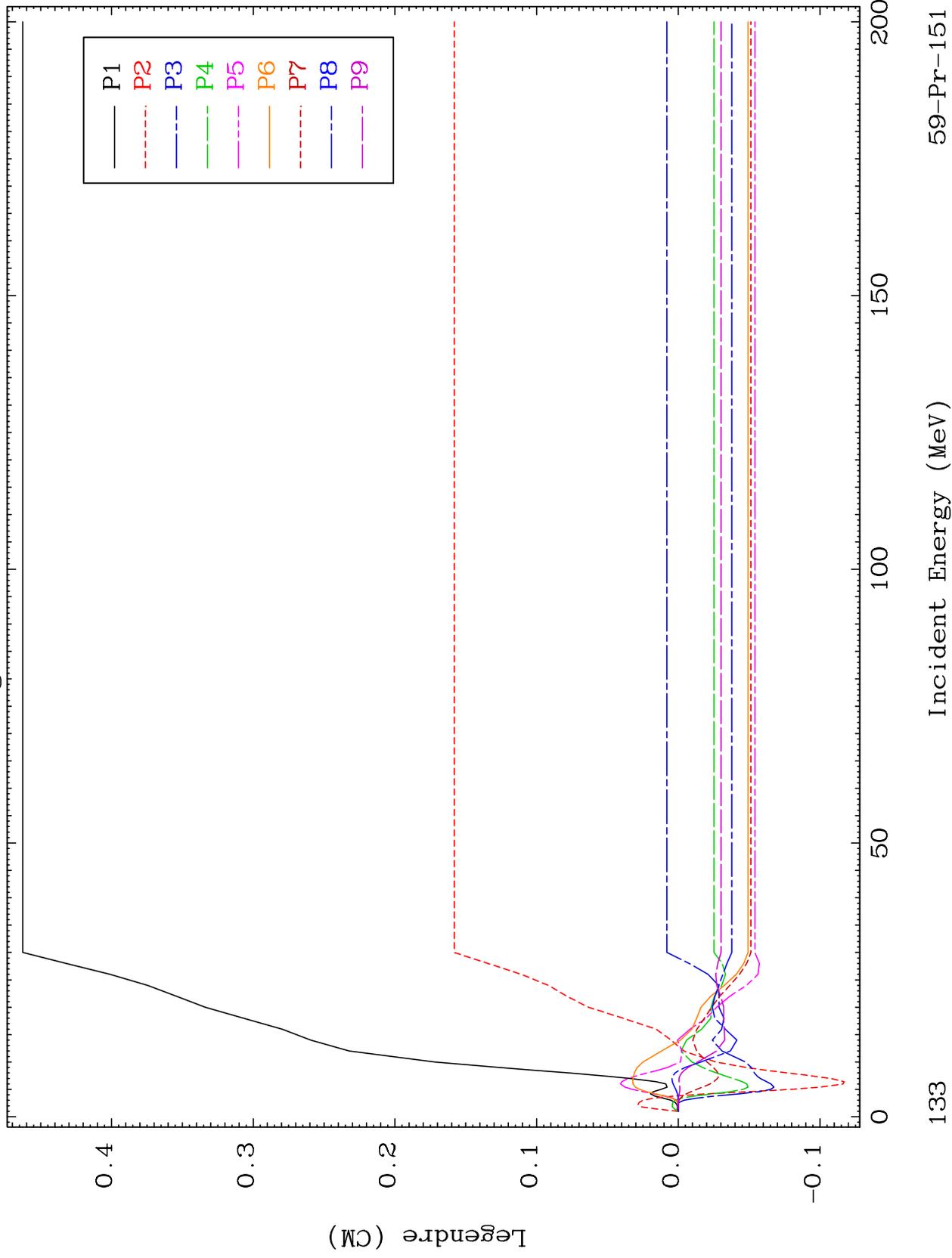




MAT 5955

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

59-Pr-151



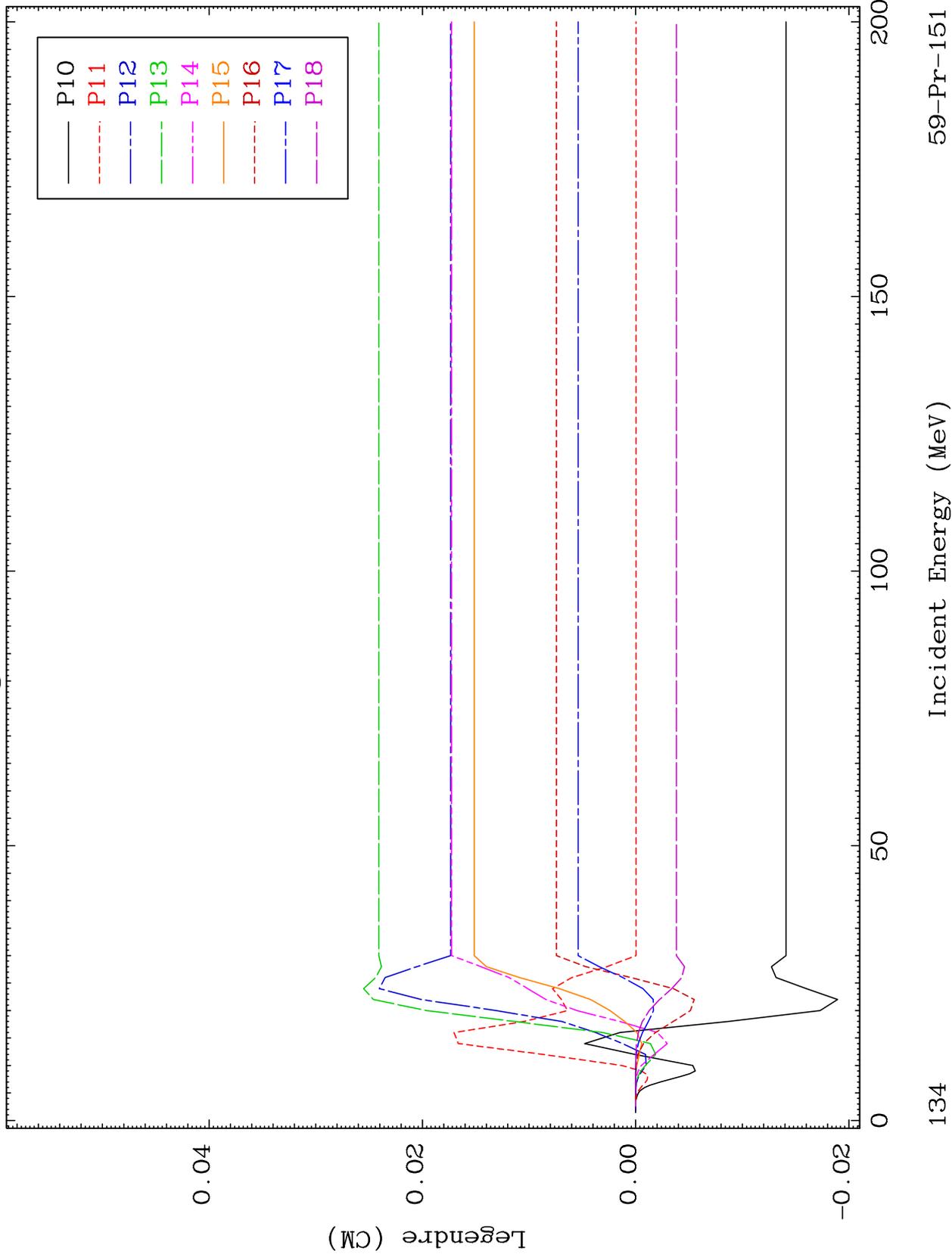
133

59-Pr-151

MAT 5955

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

59-Pr-151



134

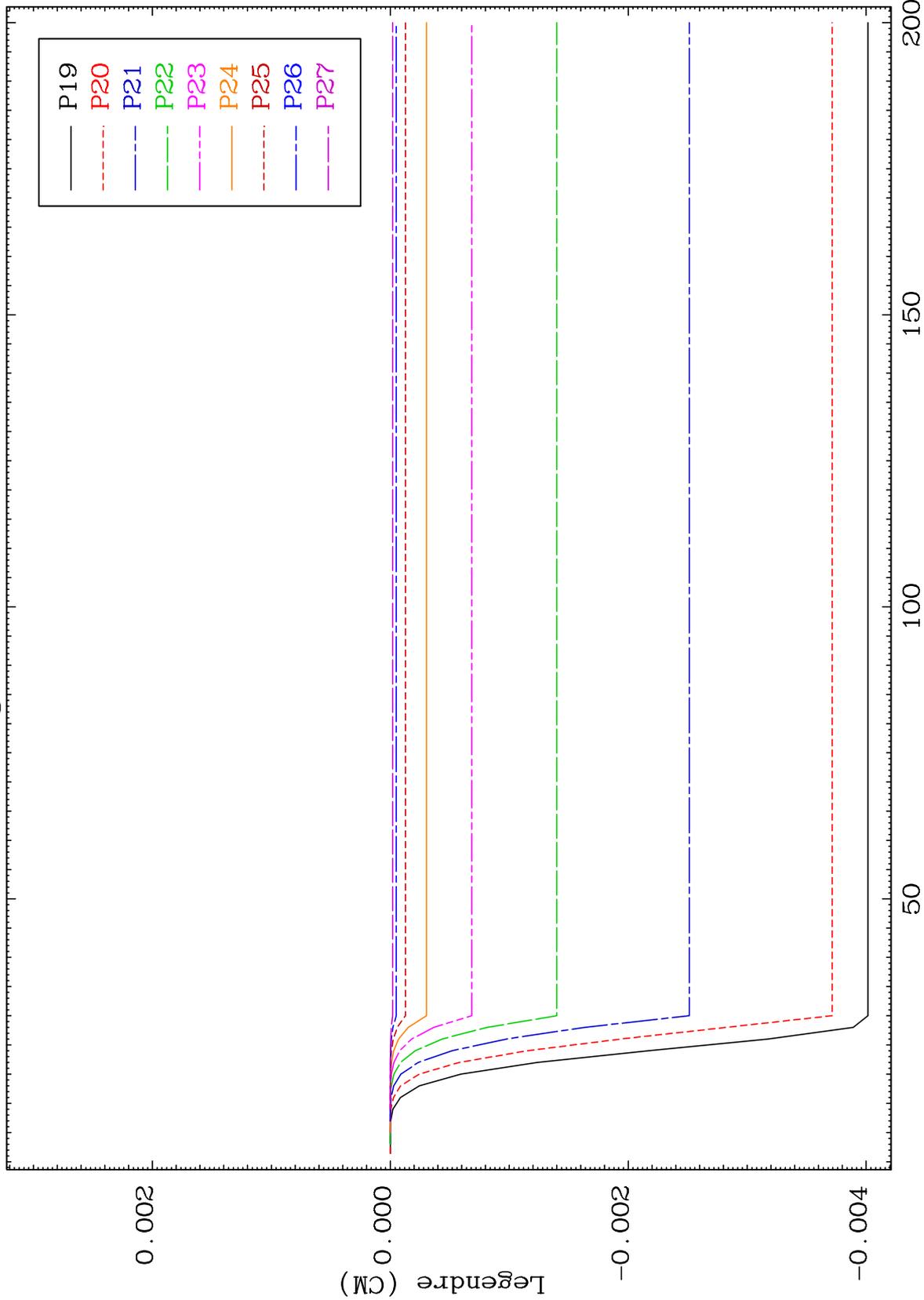
Incident Energy (MeV)

59-Pr-151

MAT 5955

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

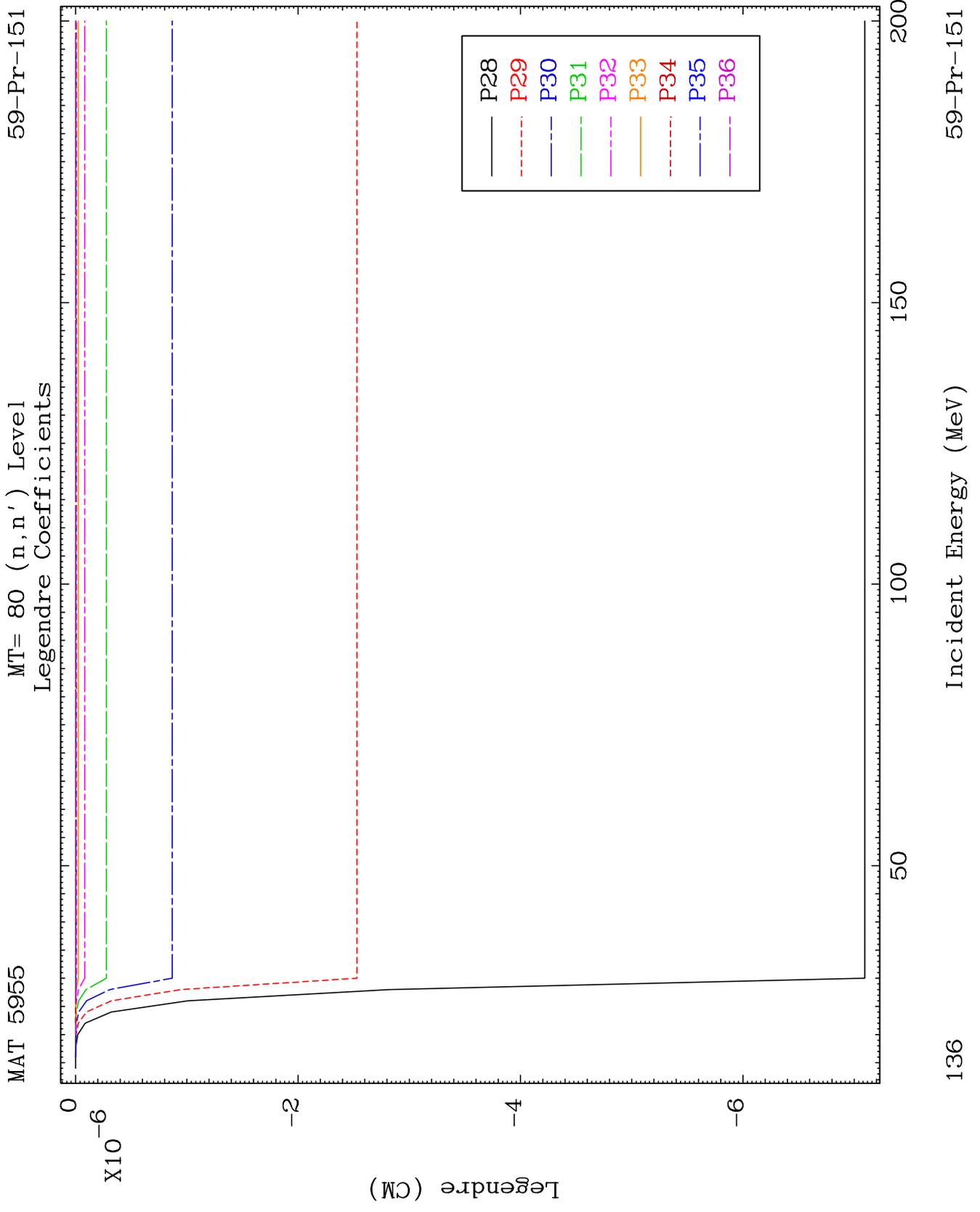
59-Pr-151



135

Incident Energy (MeV)

59-Pr-151

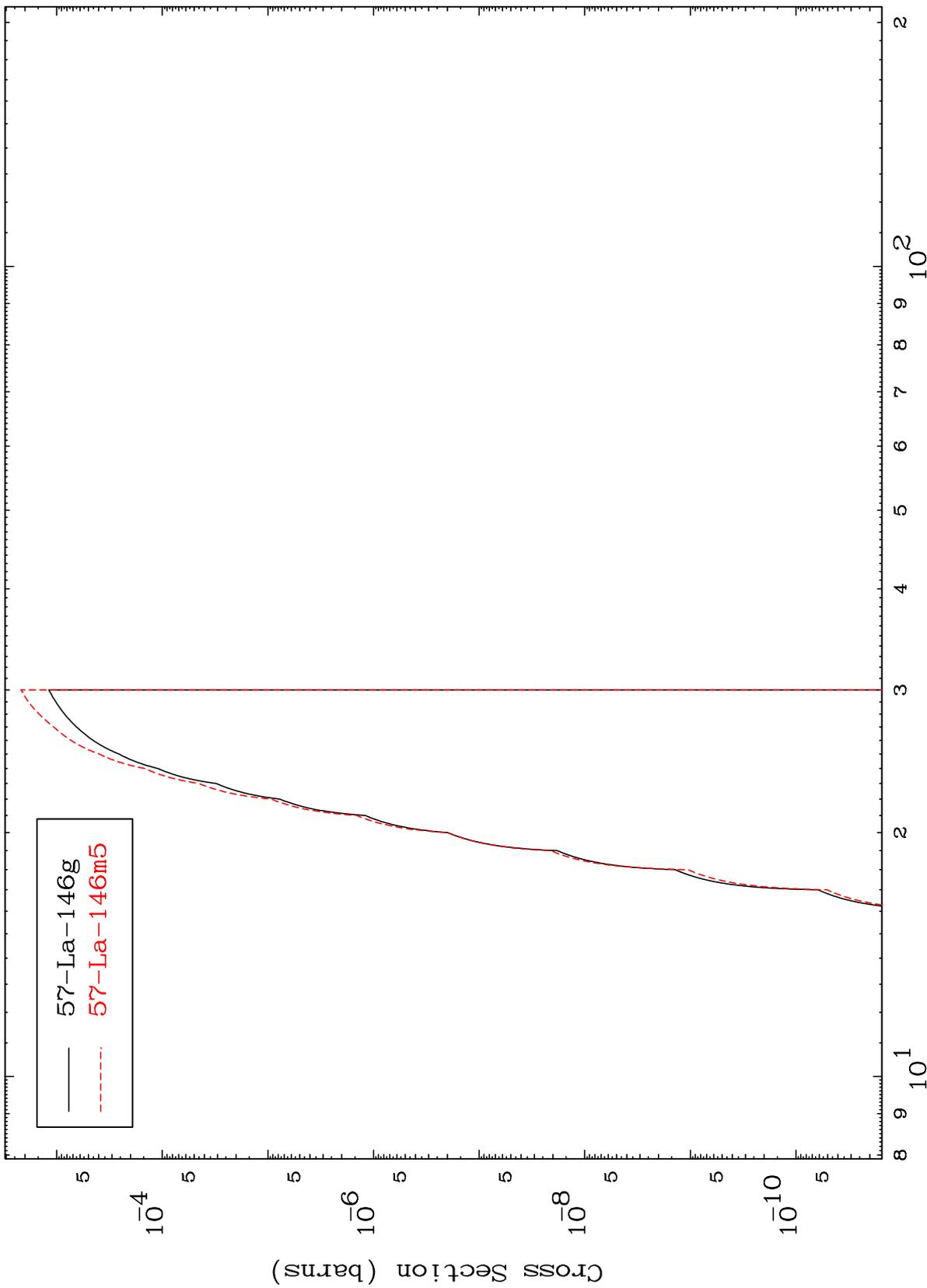


MAT 5955

(n,2n) α

59-Pr-151

Radionuclide Production Cross Section



57-La-146g
57-La-146m5

137

Incident Energy (MeV)

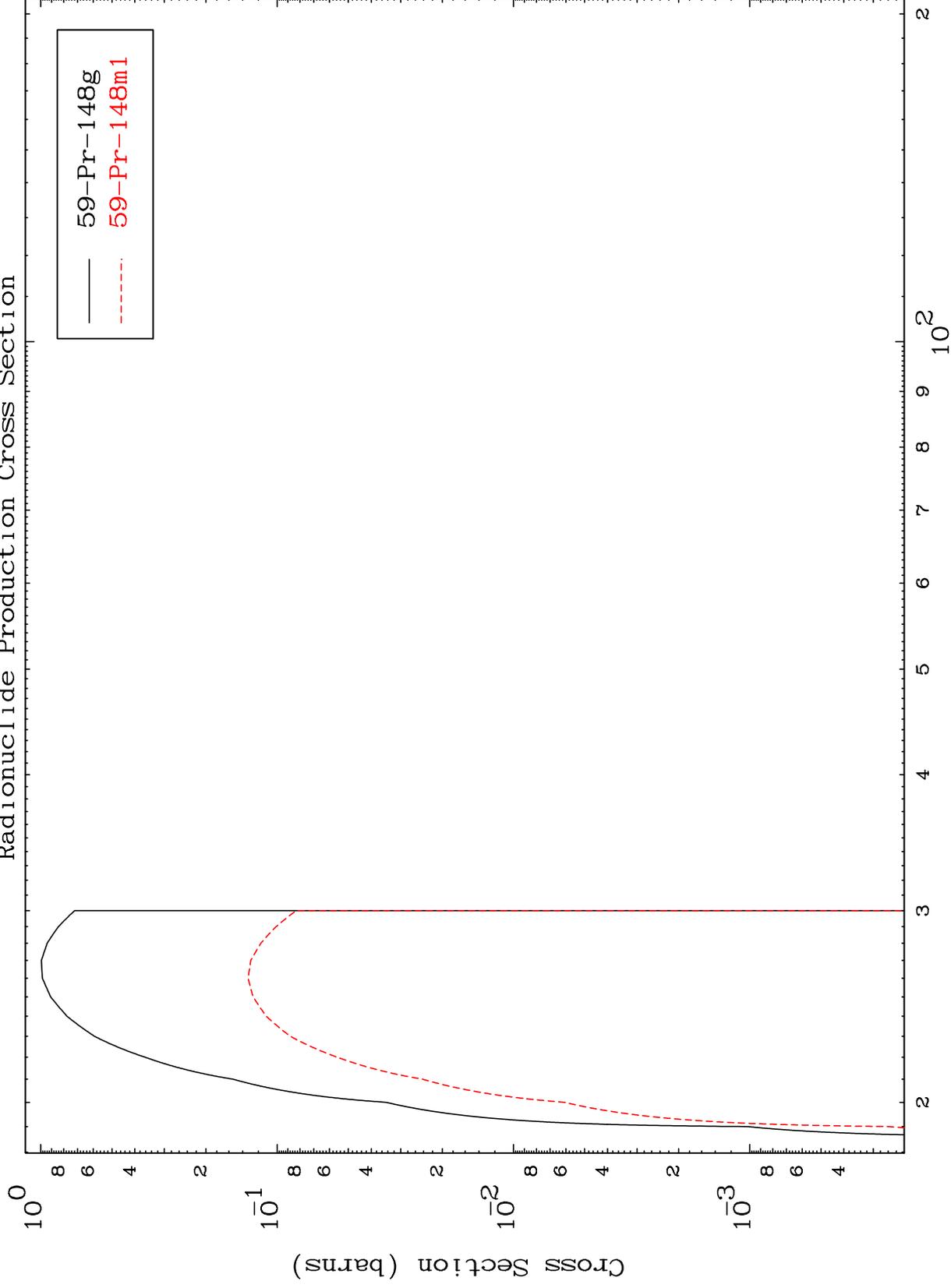
59-Pr-151

MAT 5955

(n,4n)

59-Pr-151

Radionuclide Production Cross Section



138

Incident Energy (MeV)

59-Pr-151