

Program EVALPLOT
(Version 2017-1)

by

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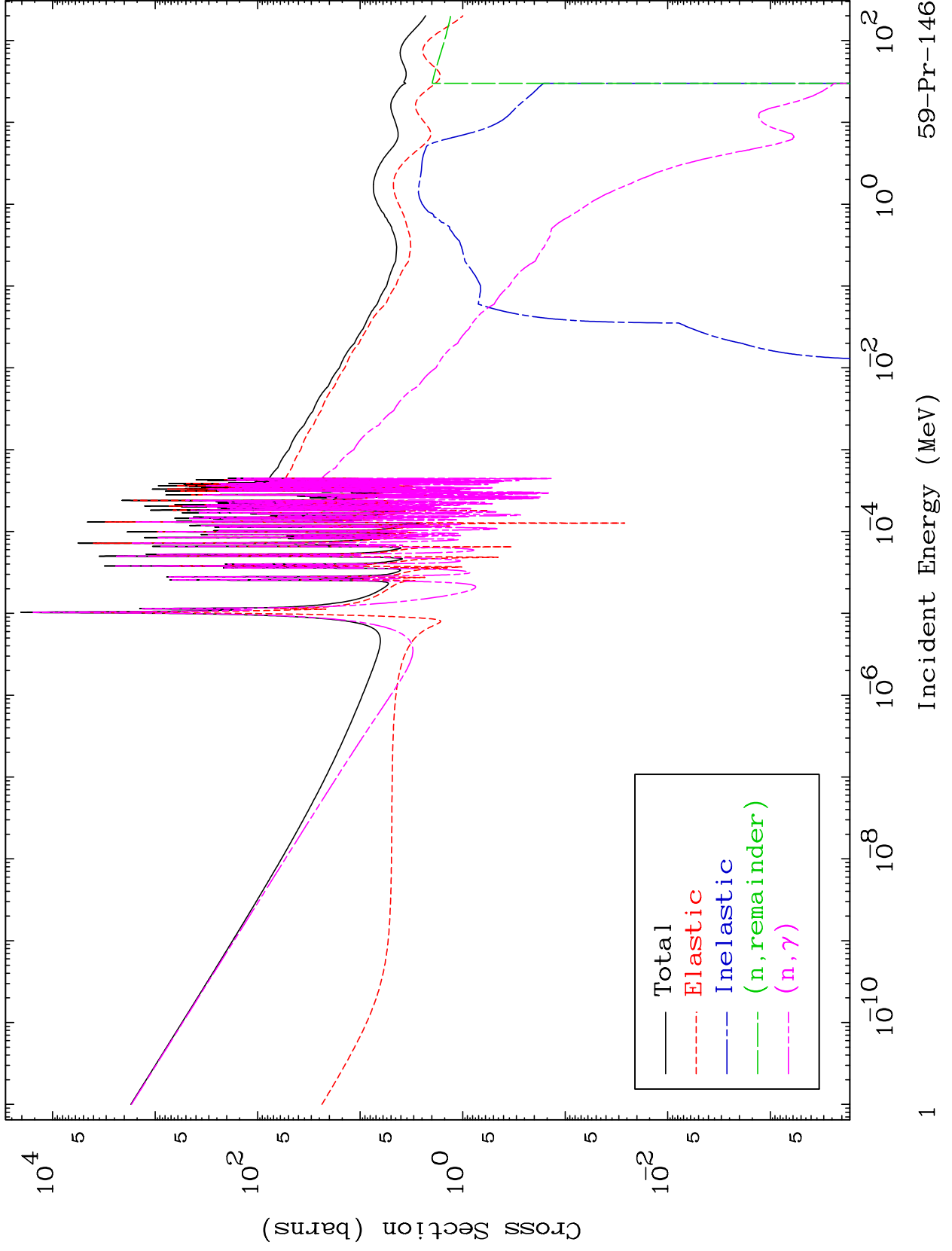
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5940

Major
293 Kelvin Cross Sections

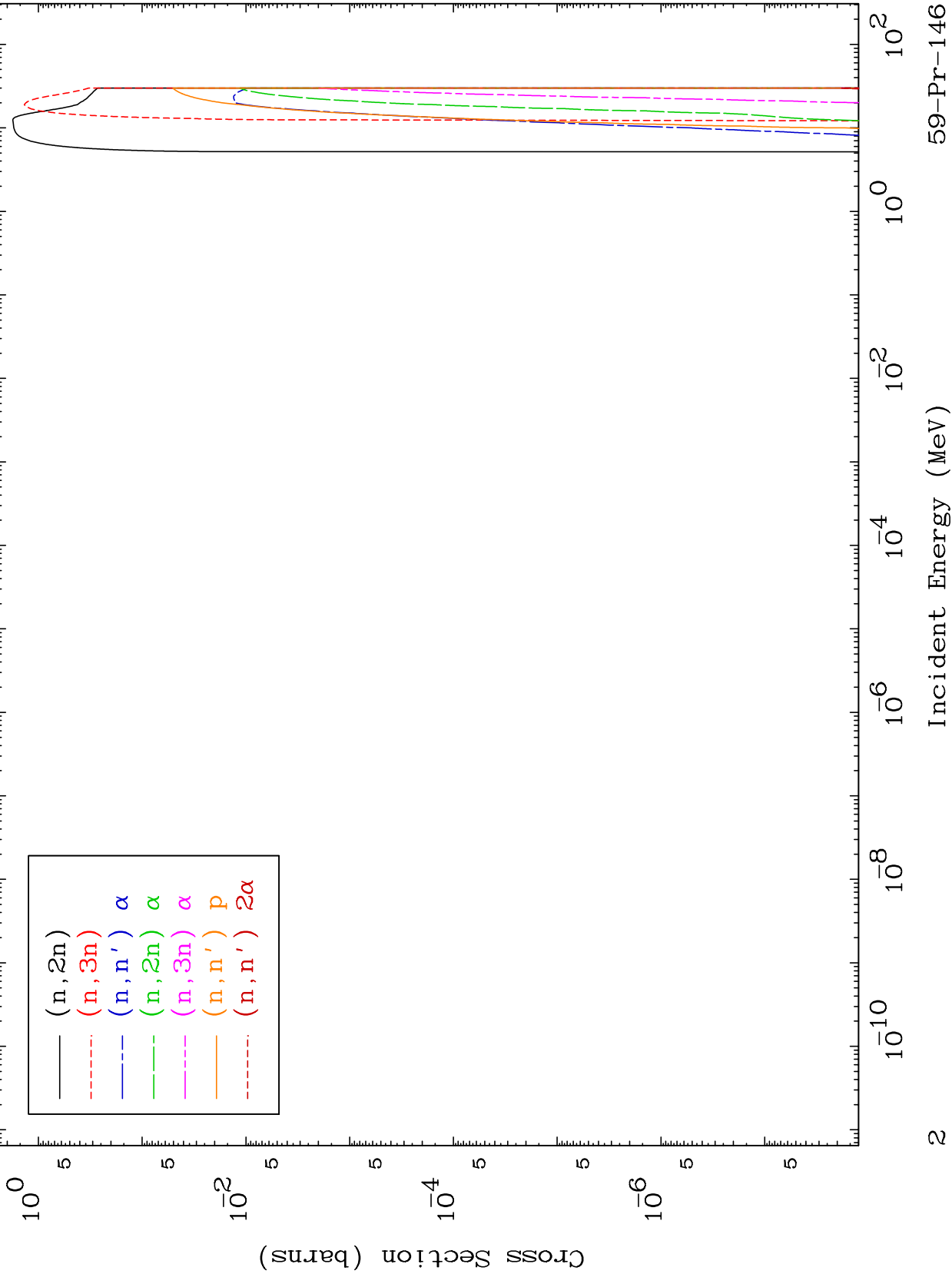
59-Pr-146

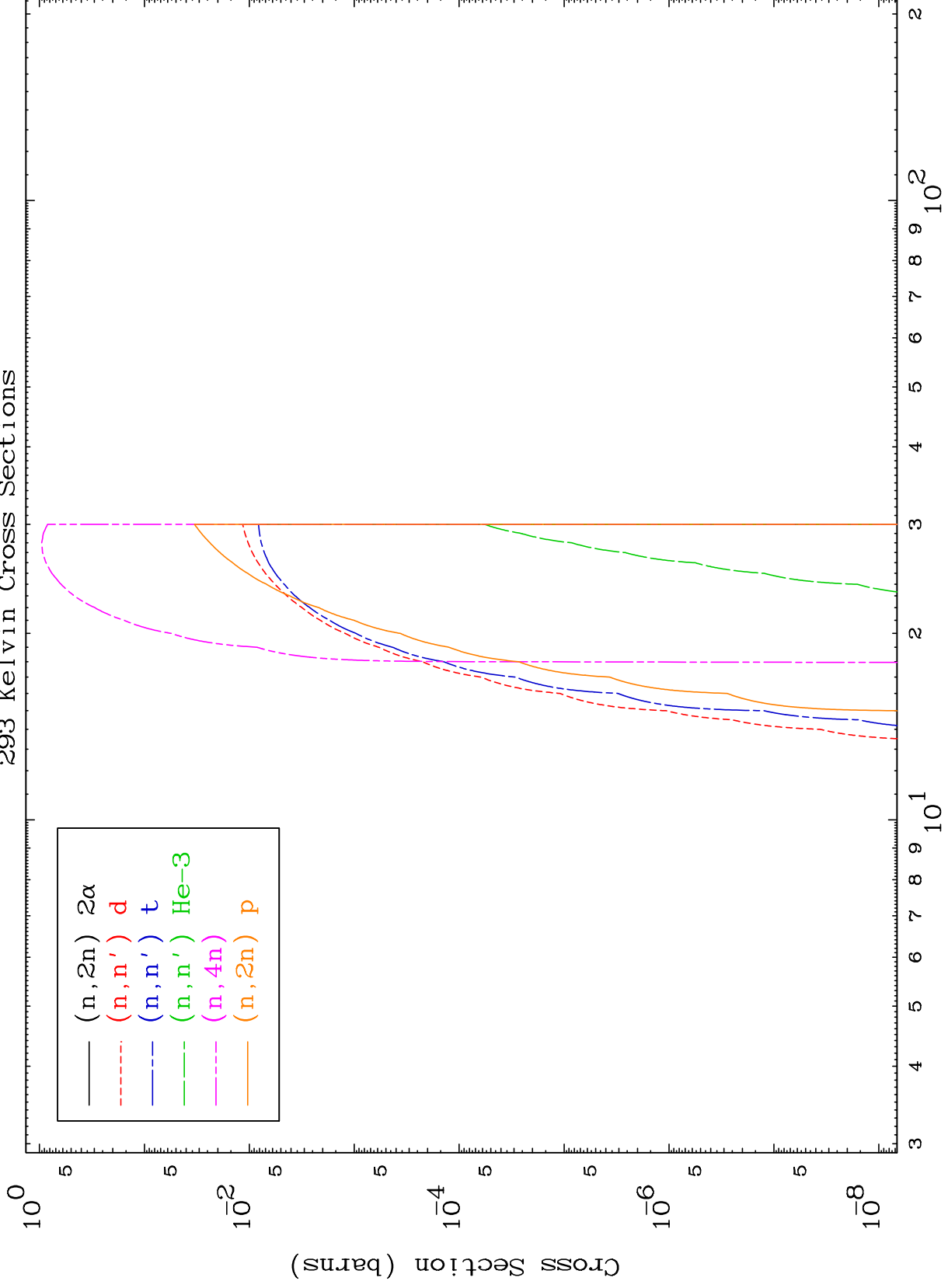


MAT 5940

Neutron Production
293 Kelvin Cross Sections

59-Pr-146

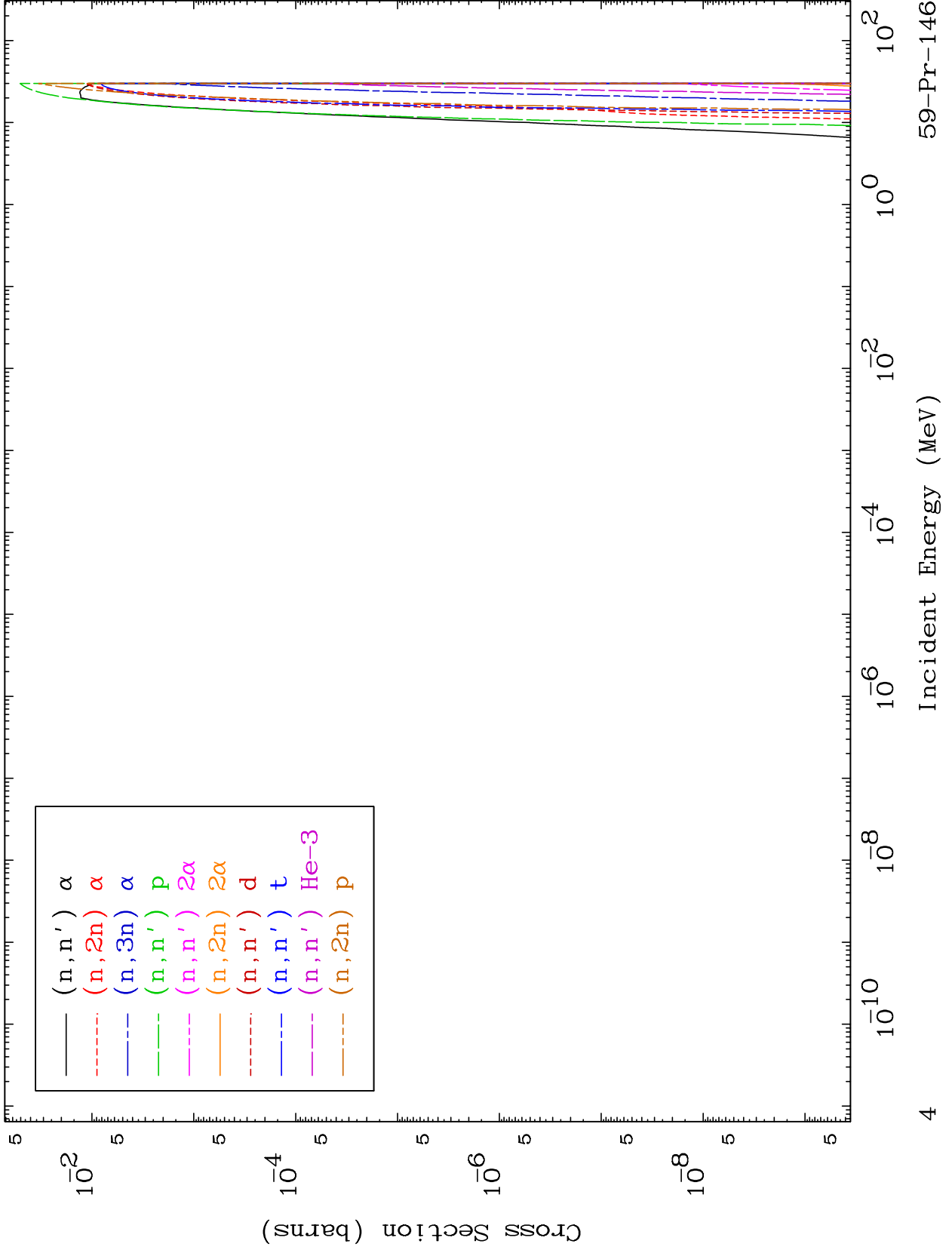




MAT 5940

Charged Particle
293 Kelvin Cross Sections

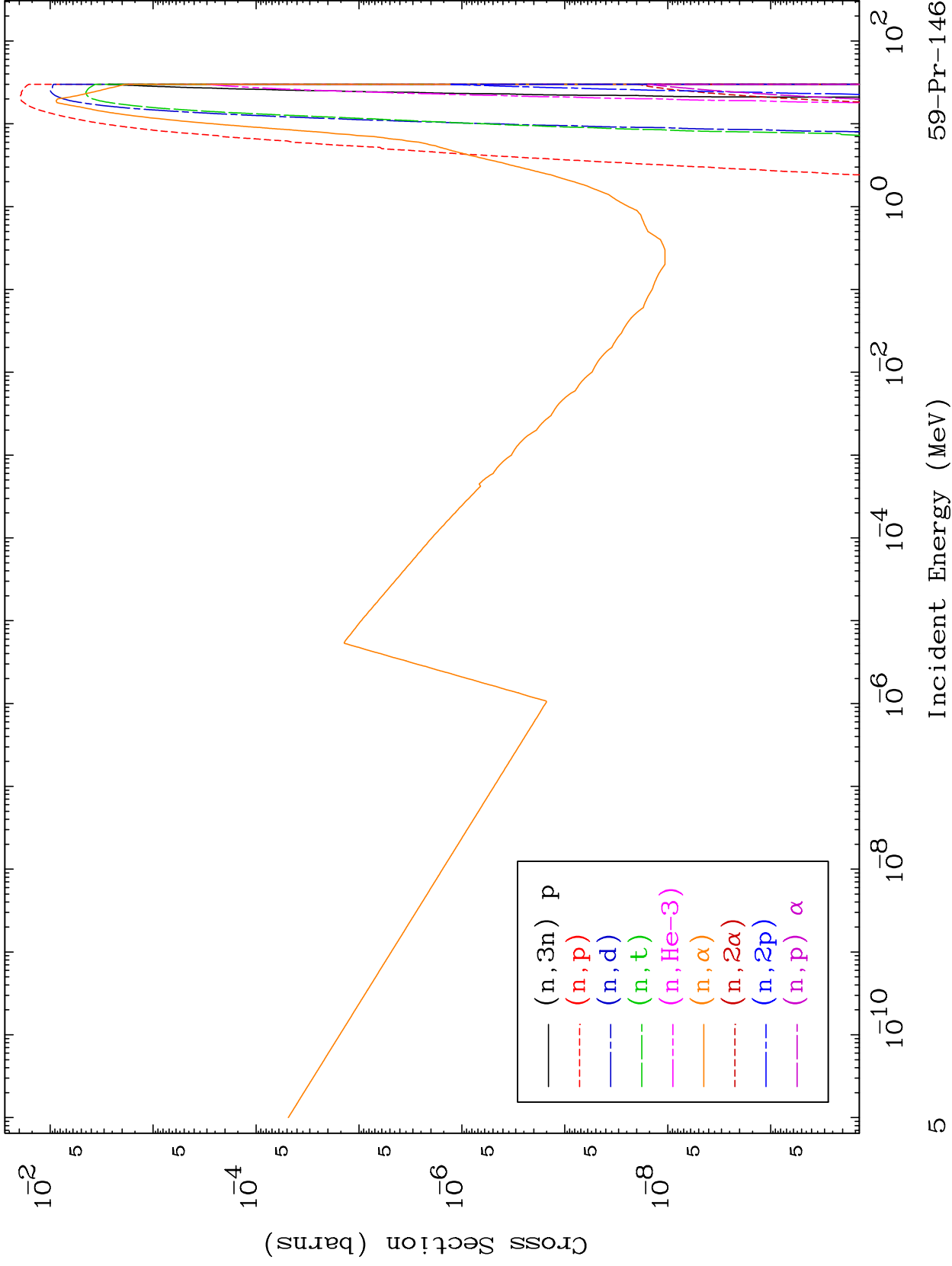
59-Pr-146

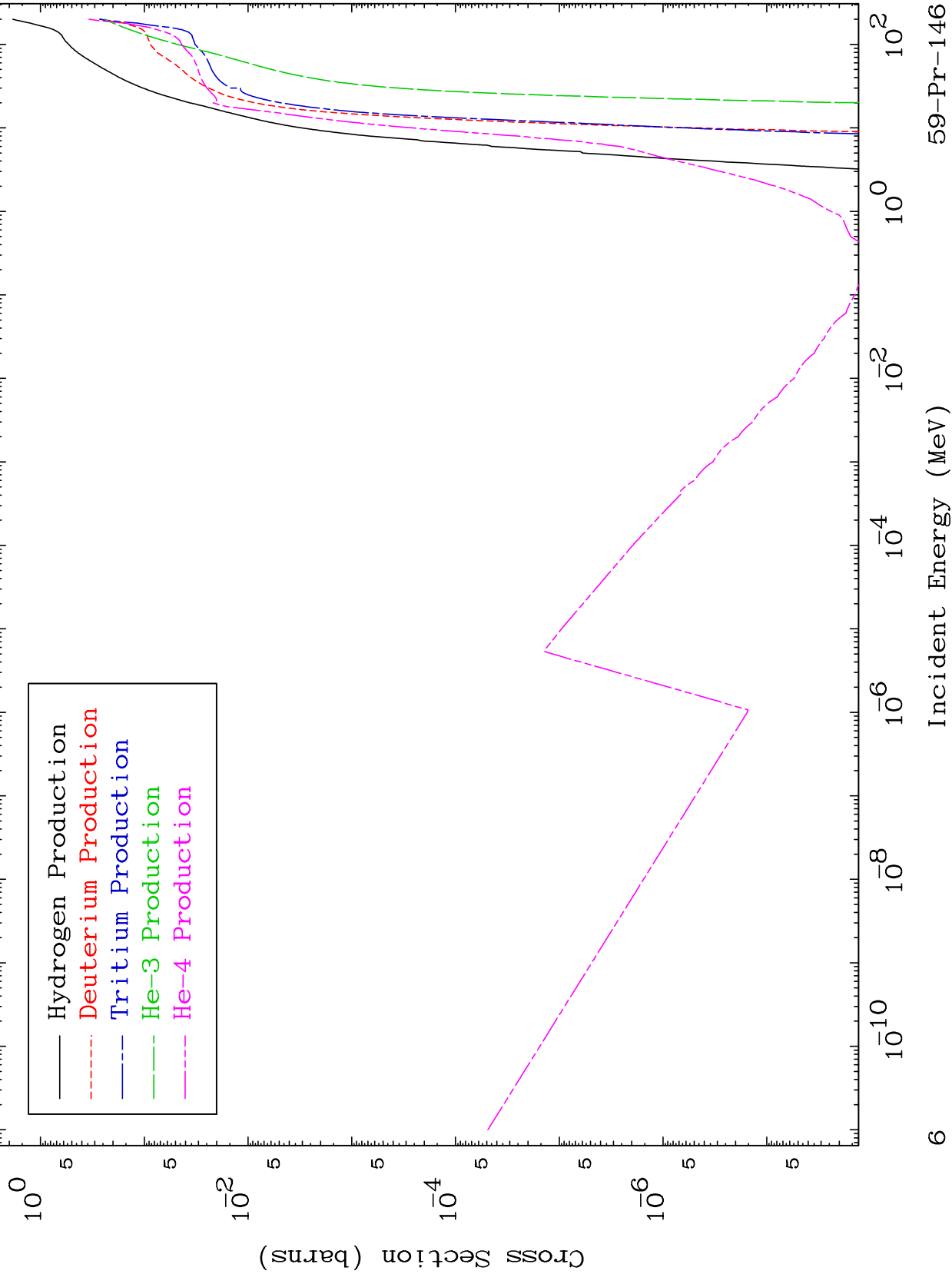


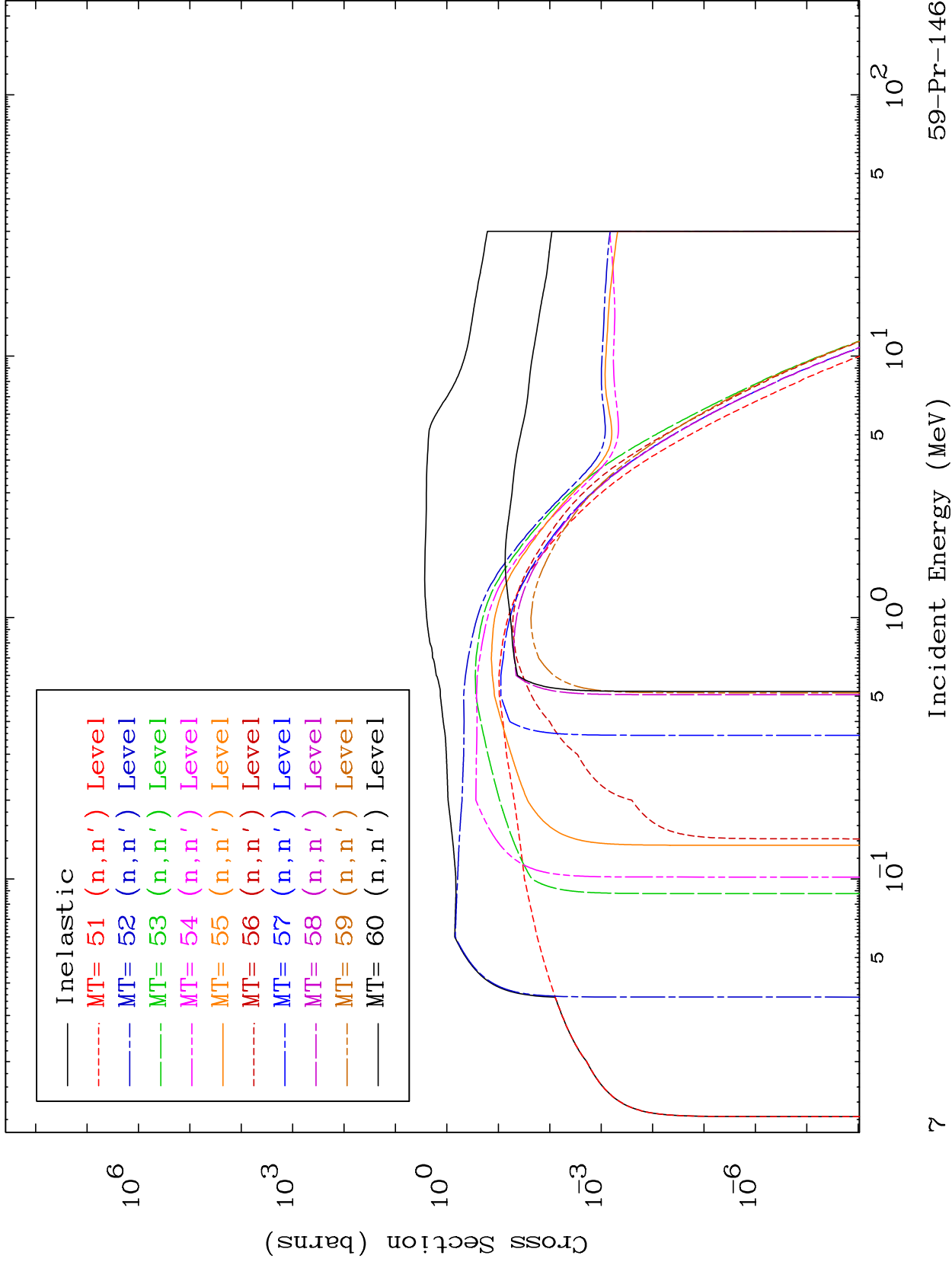
MAT 5940

Charged Particle
293 Kelvin Cross Sections

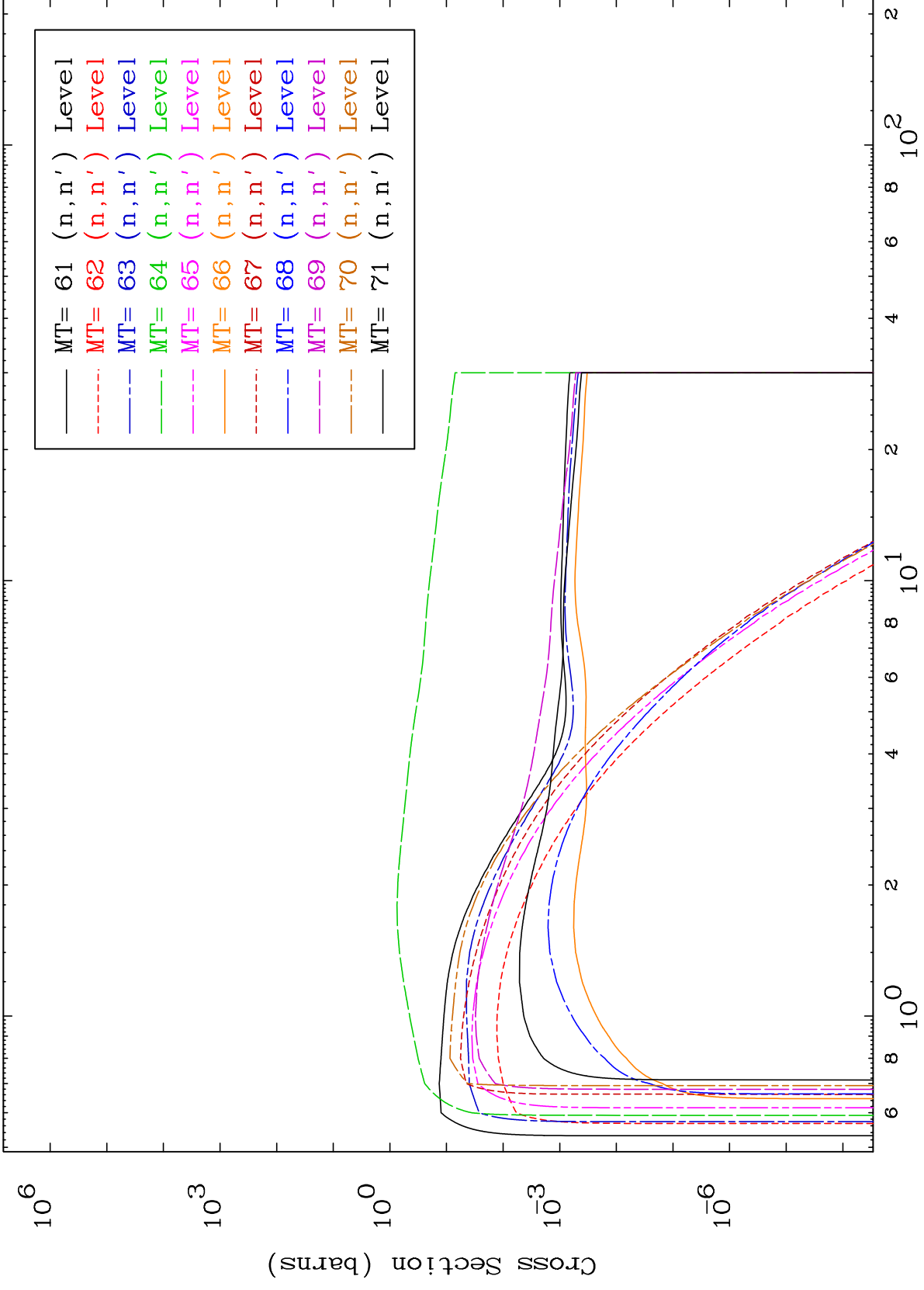
59-Pr-146





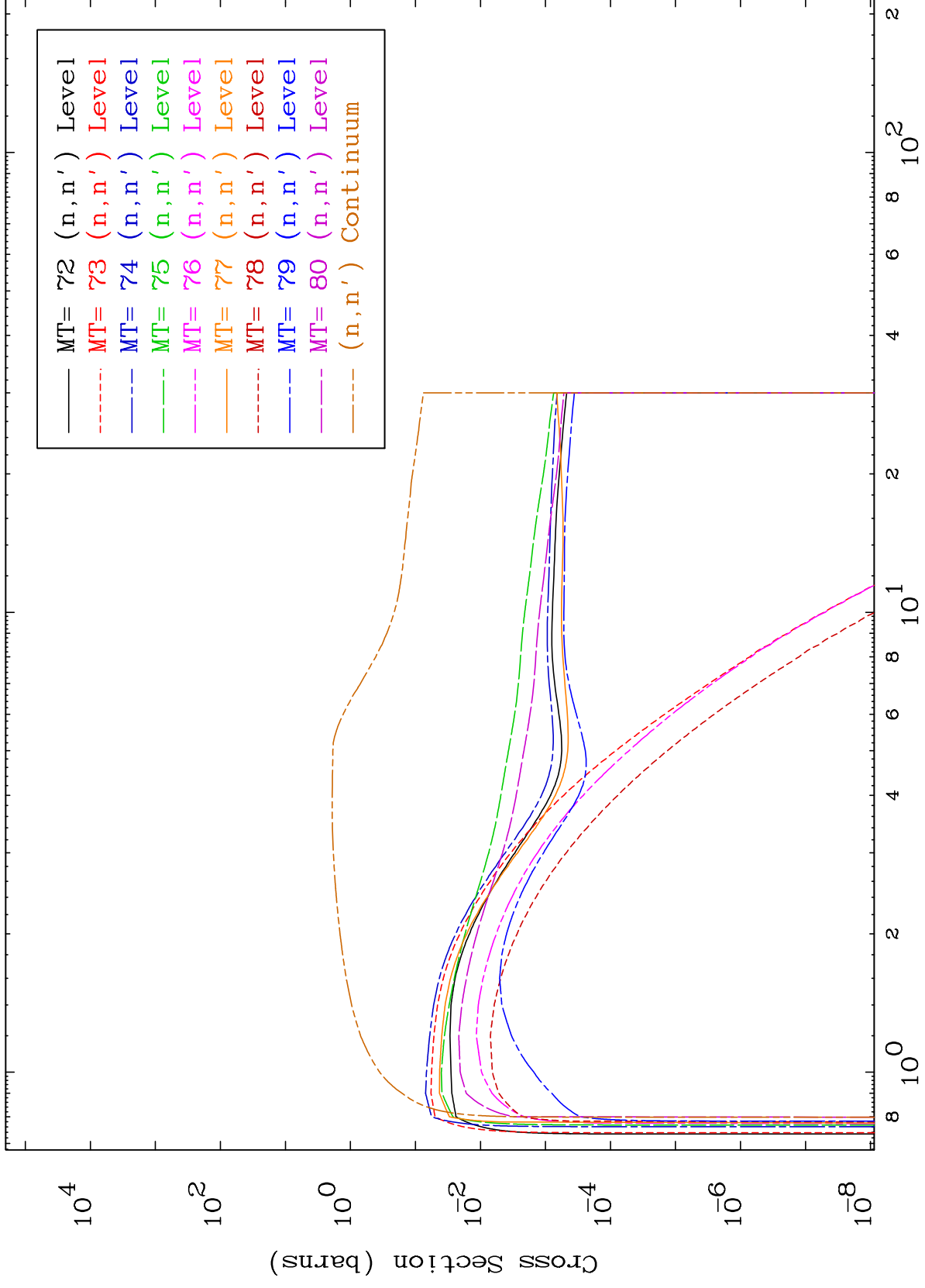


293 Kelvin Cross Sections



MT=	(n, n')	Level
—	(n, n')	Level 61
- - -	(n, n')	Level 62
- · -	(n, n')	Level 63
- - -	(n, n')	Level 64
- · -	(n, n')	Level 65
—	(n, n')	Level 66
- - -	(n, n')	Level 67
- · -	(n, n')	Level 68
- · -	(n, n')	Level 69
- - -	(n, n')	Level 70
—	(n, n')	Level 71

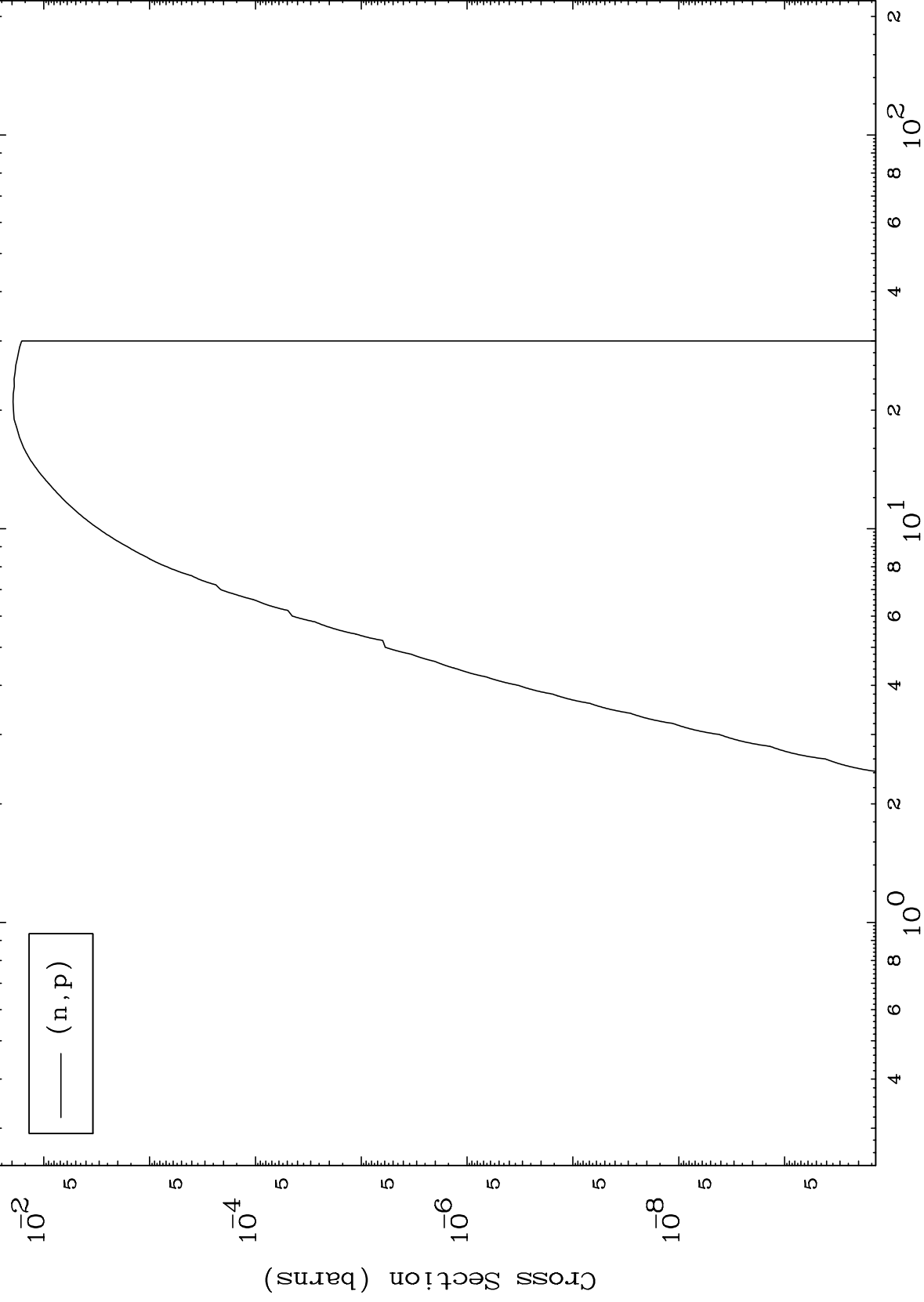
293 Kelvin Cross Sections



MAT 5940

(n,p) Levels
293 Kelvin Cross Sections

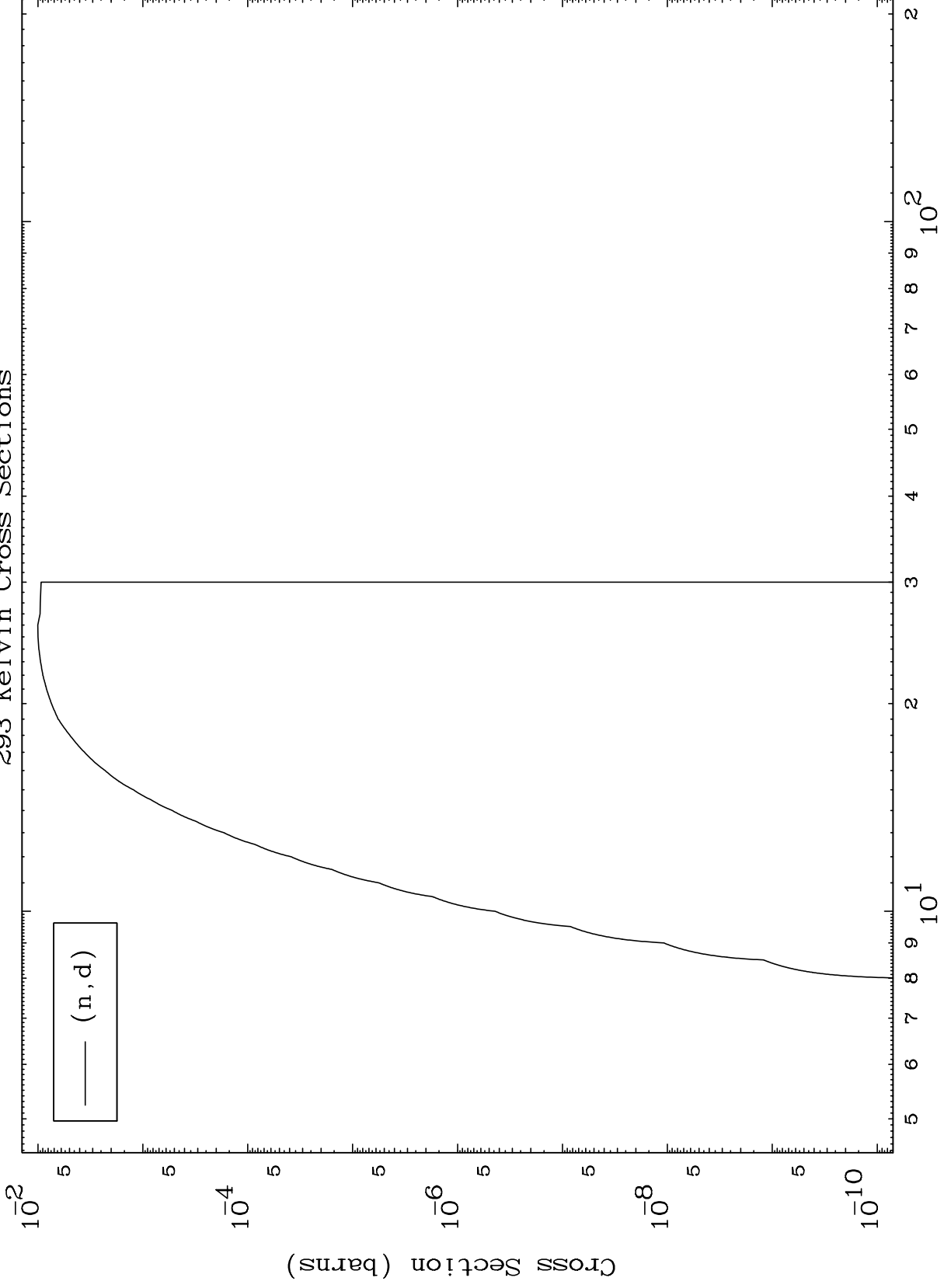
59-Pr-146



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Incident Energy (MeV)

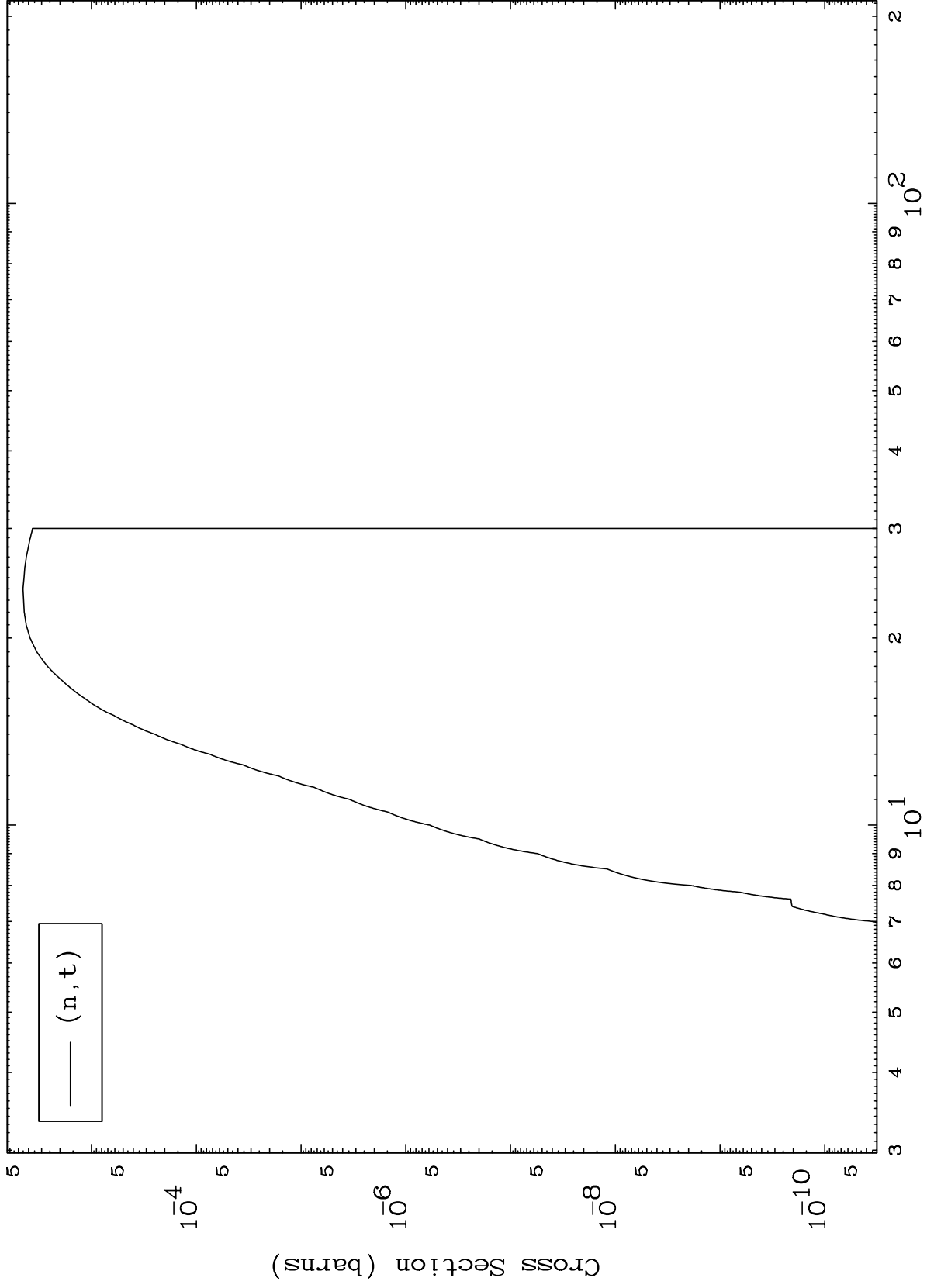
59-Pr-146



MAT 5940

(n,t) Levels
293 Kelvin Cross Sections

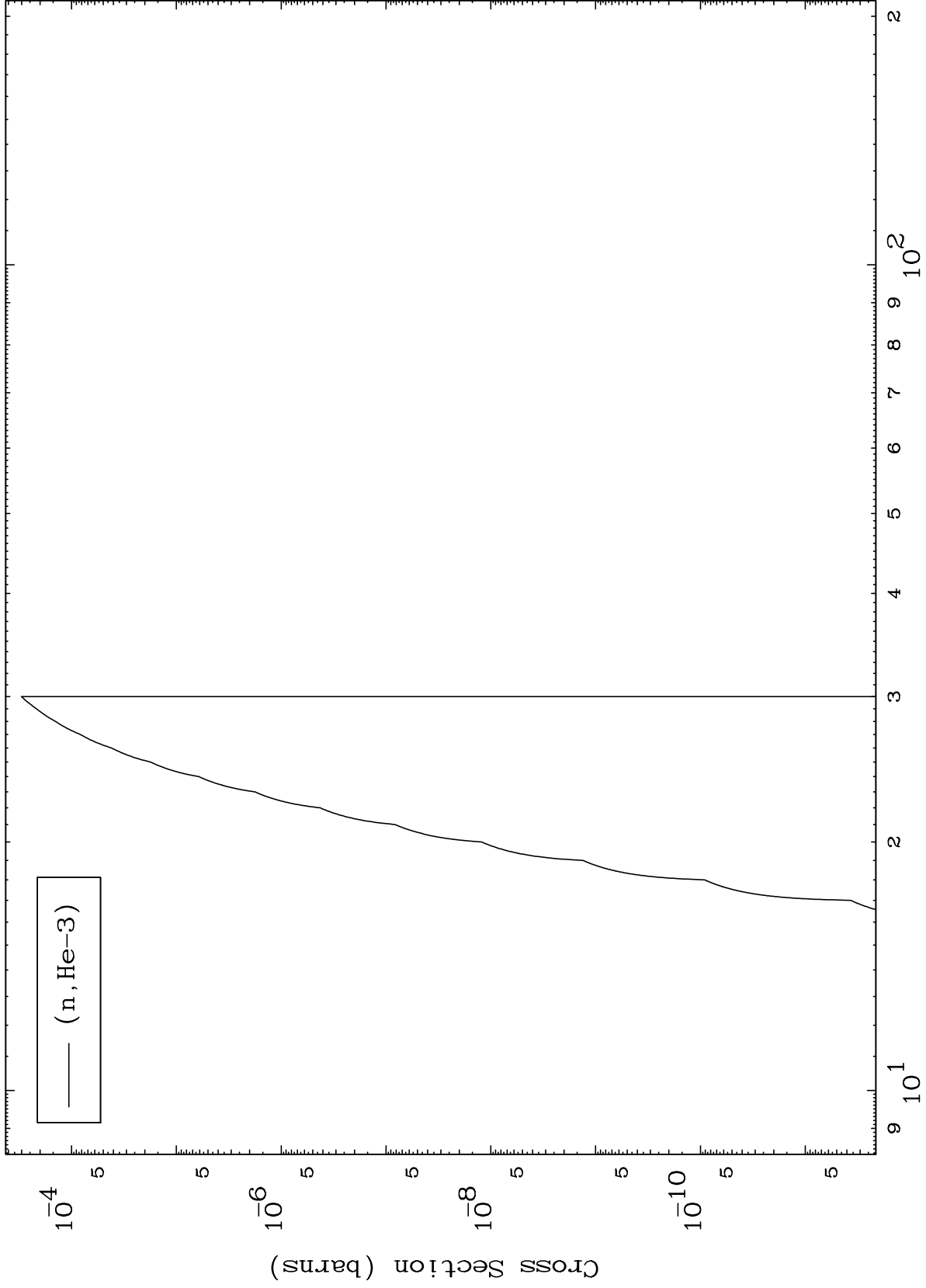
59-Pr-146



12

Incident Energy (MeV)

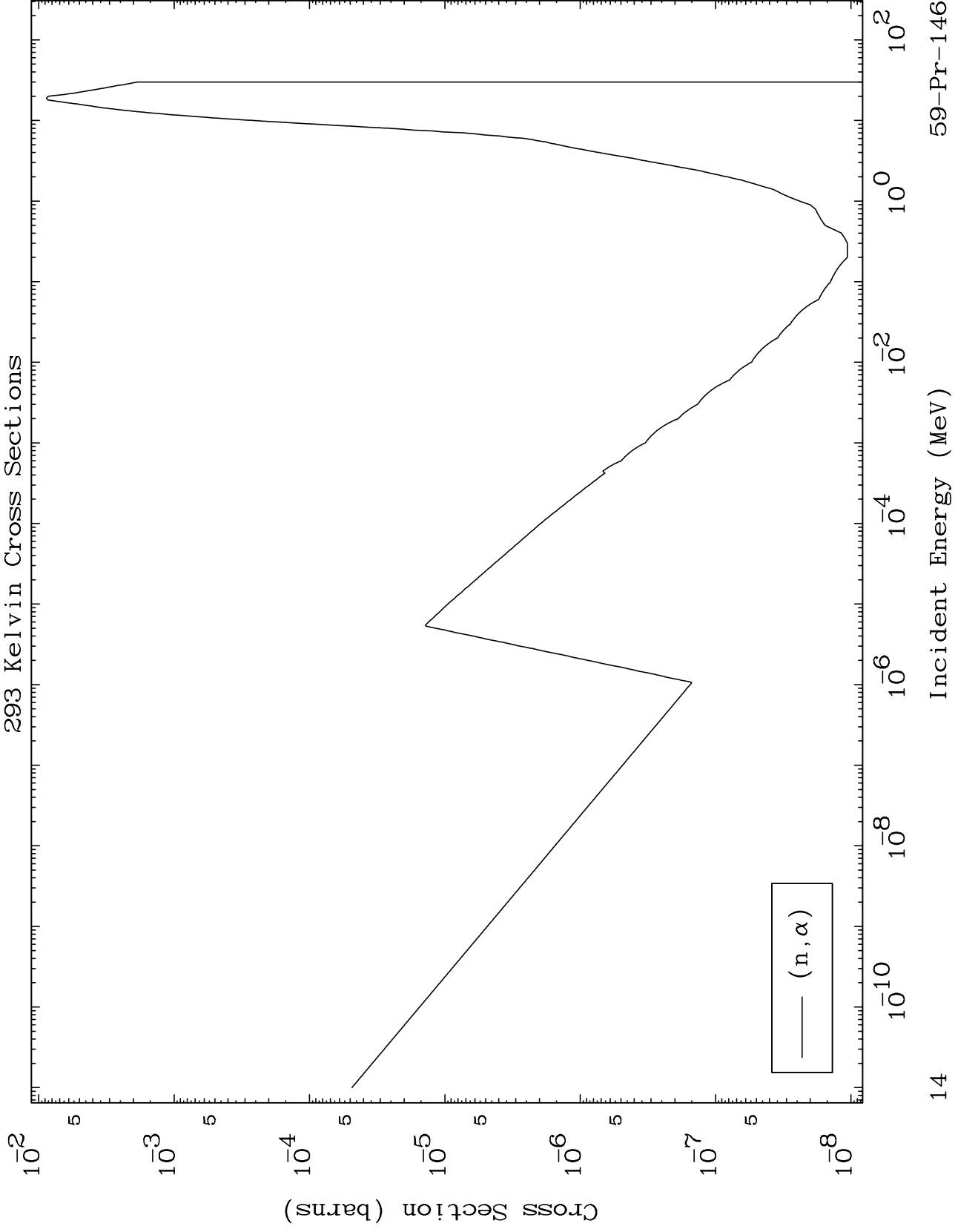
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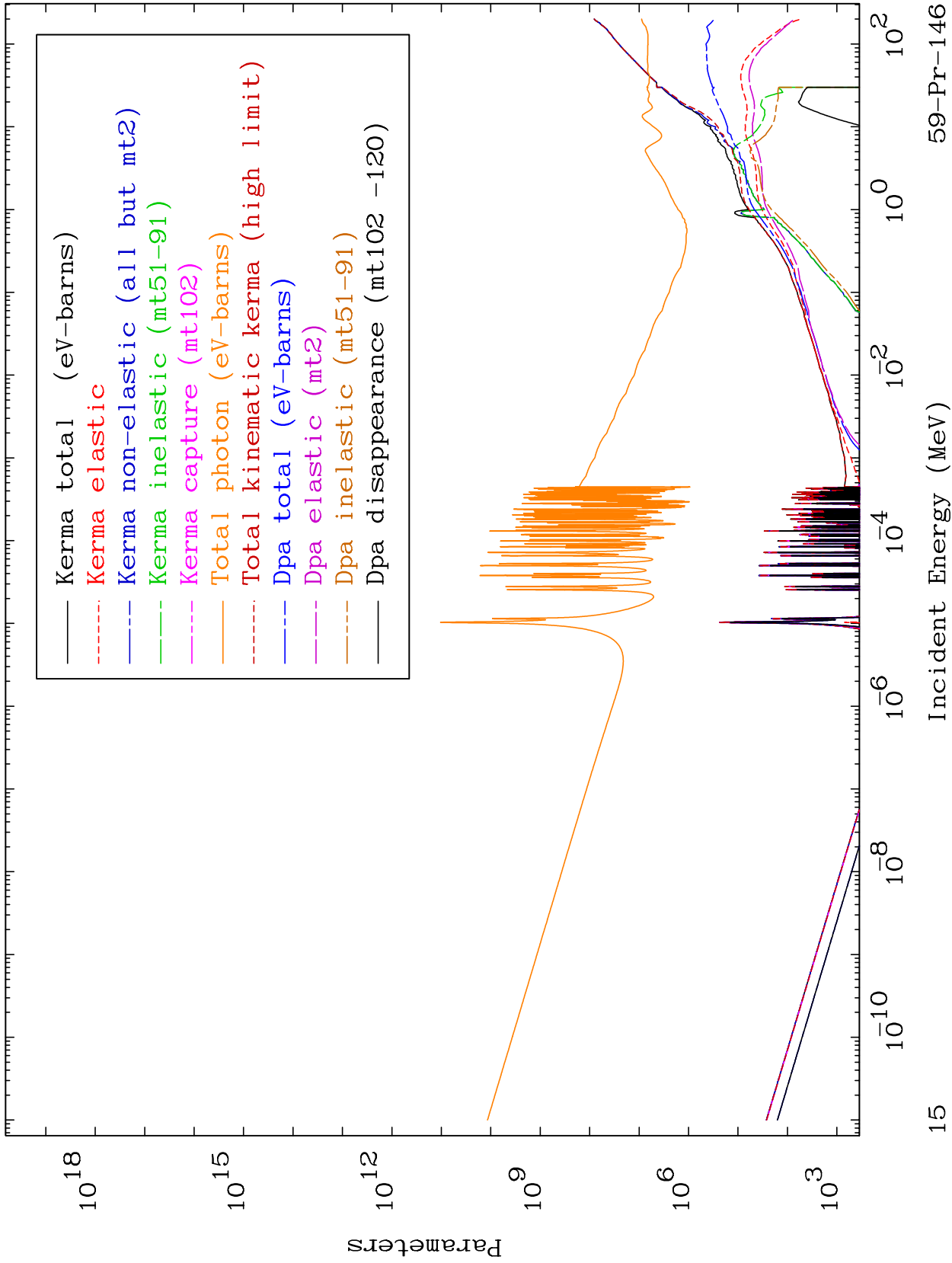


MAT 5940

(n,α) Levels
293 Kelvin Cross Sections

59-Pr-146

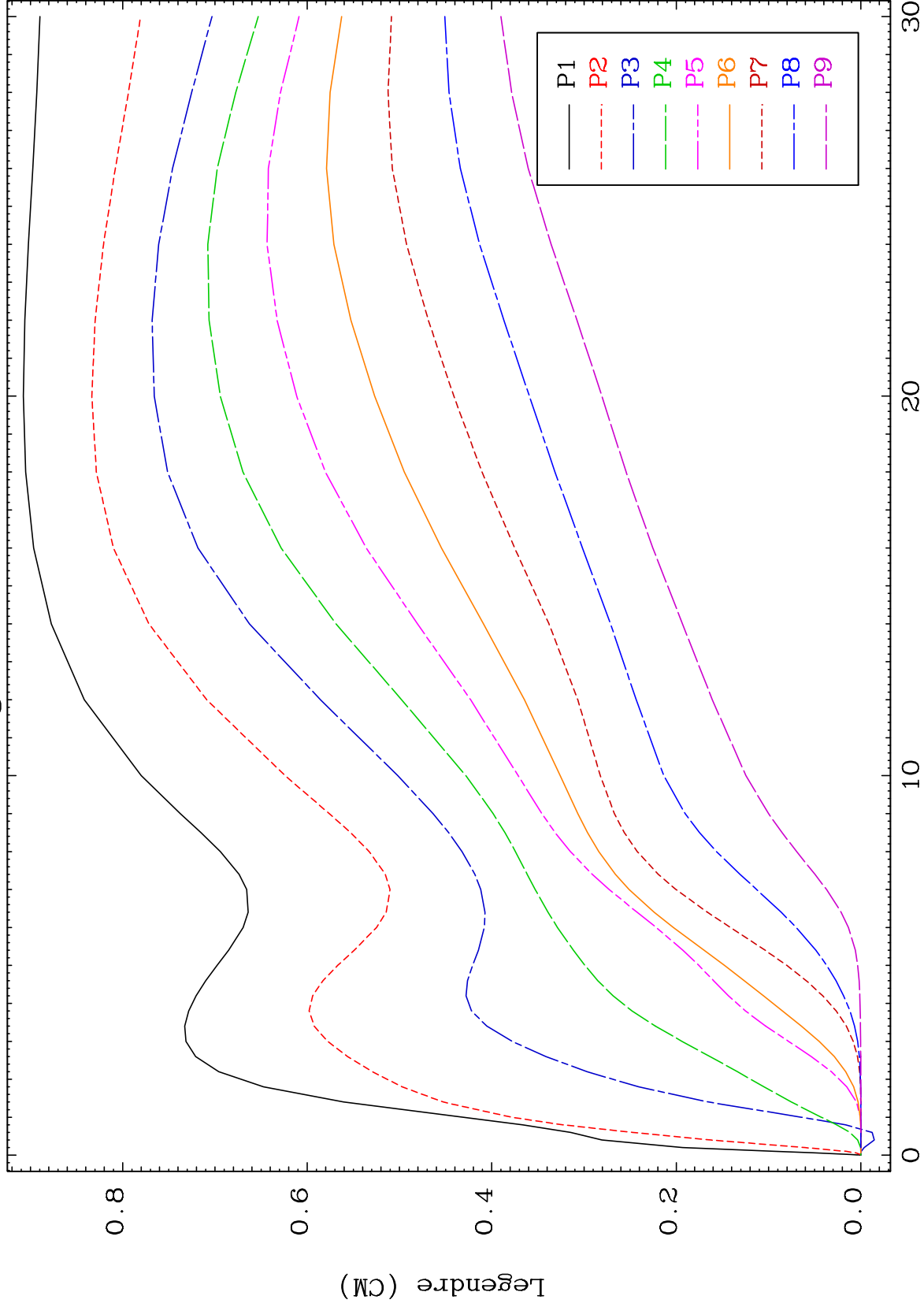




MAT 5940

Elastic Legendre Coefficients

59-Pr-146



16

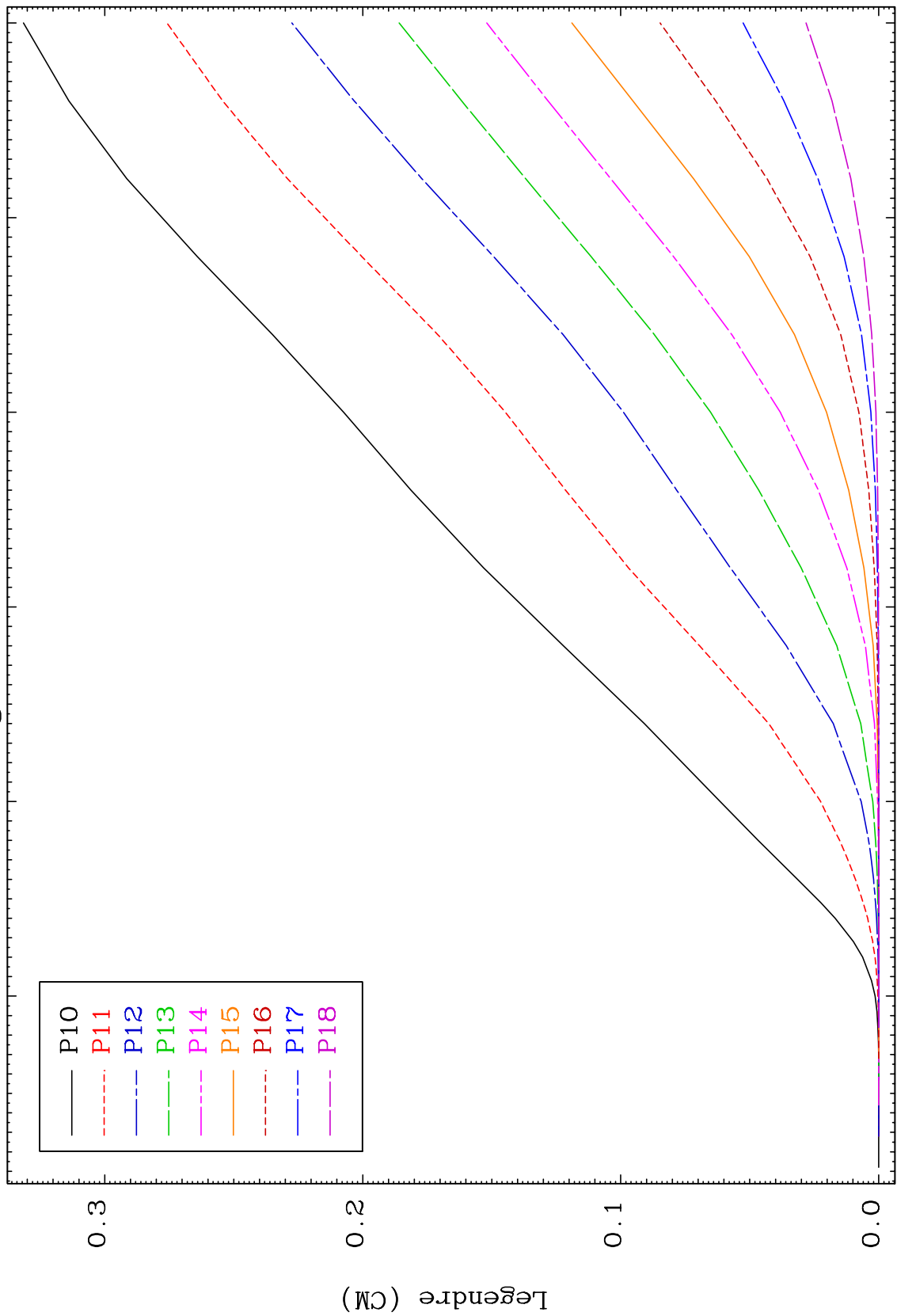
Incident Energy (MeV)

59-Pr-146

MAT 5940

Elastic Legendre Coefficients

59-Pr-146



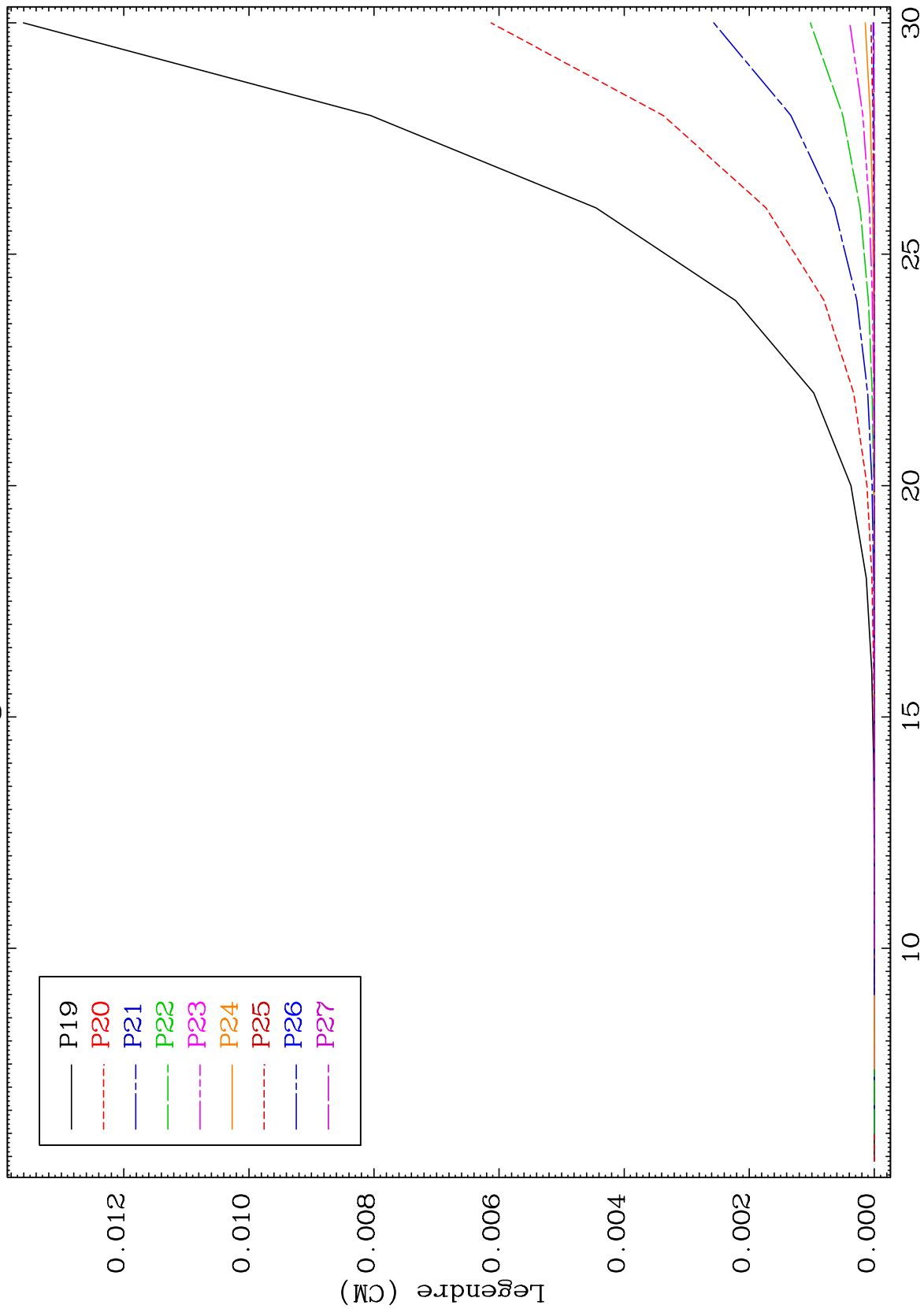
17

59-Pr-146

MAT 5940

Elastic Legendre Coefficients

59-Pr-146



18

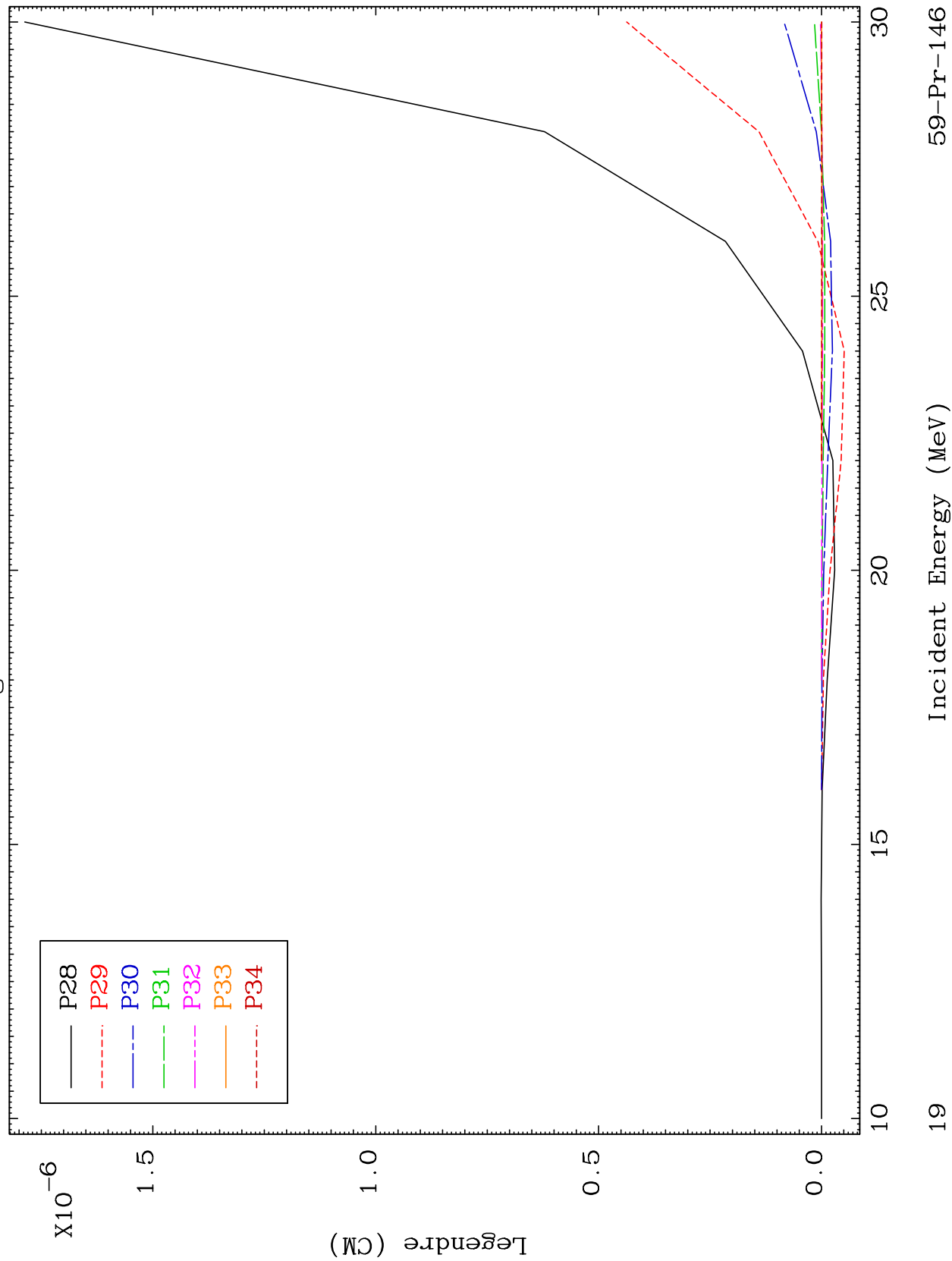
Incident Energy (MeV)

59-Pr-146

MAT 5940

Elastic Legendre Coefficients

59-Pr-146



19

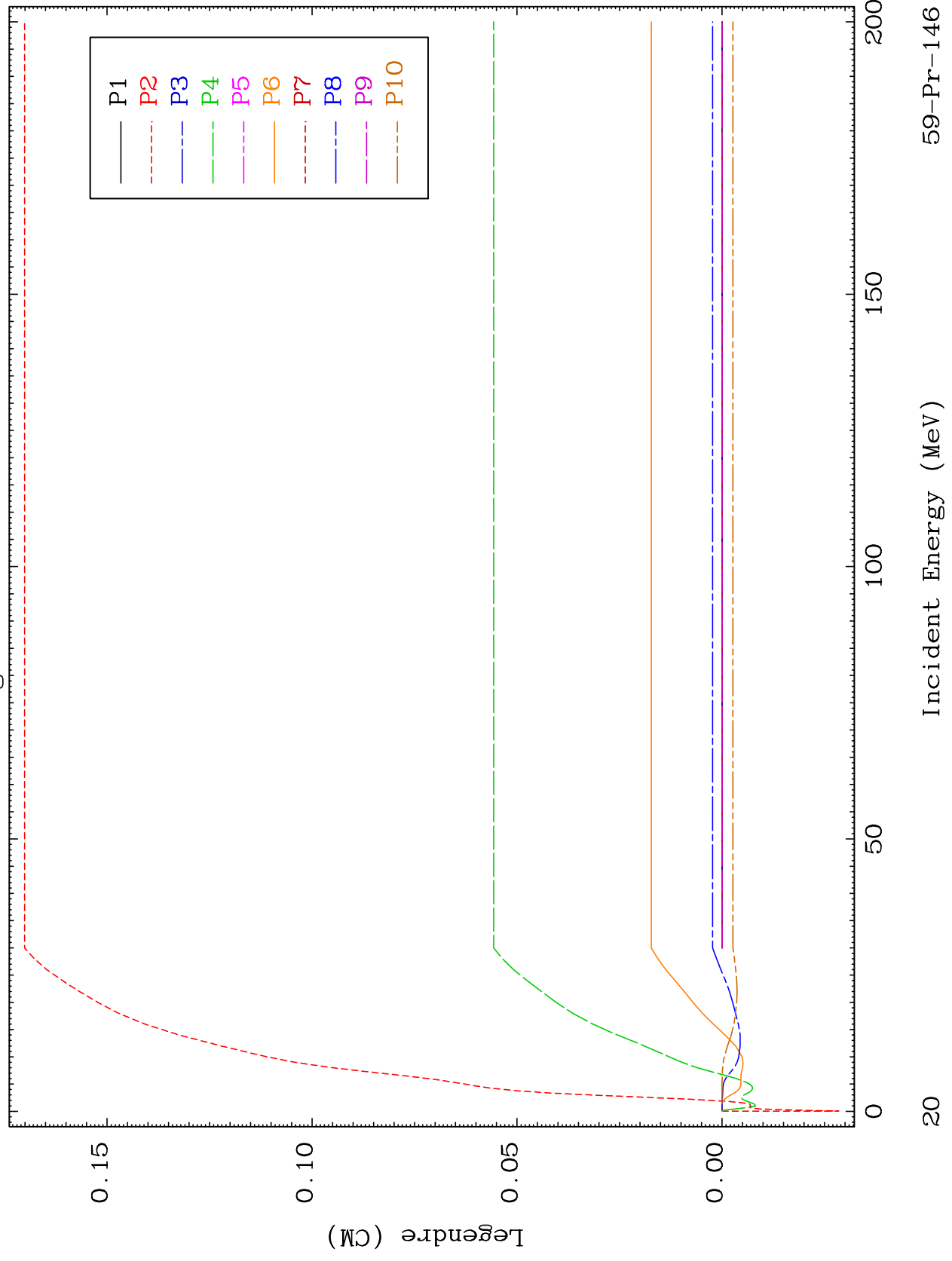
Incident Energy (MeV)

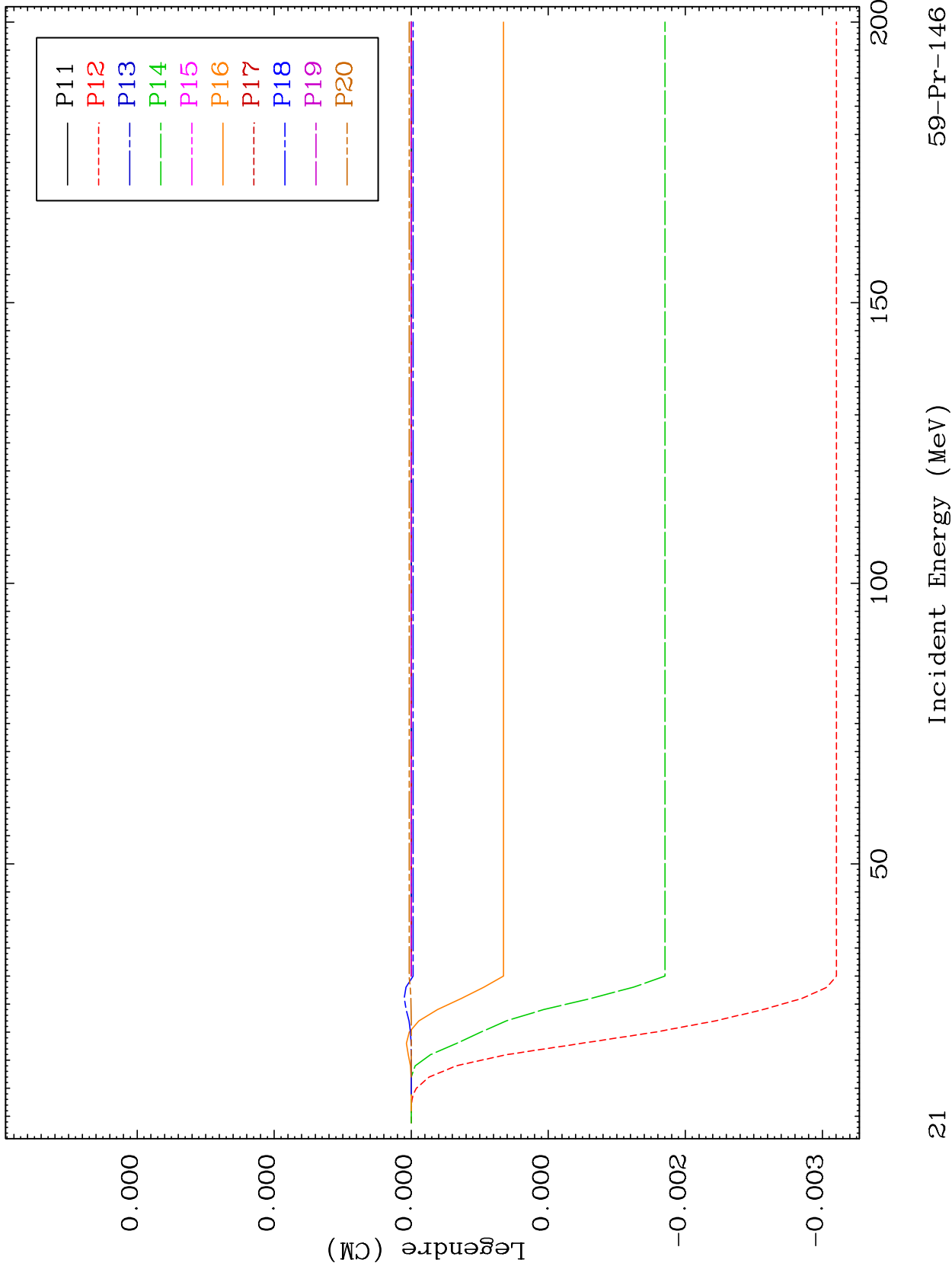
59-Pr-146

MAT 5940

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

59-Pr-146

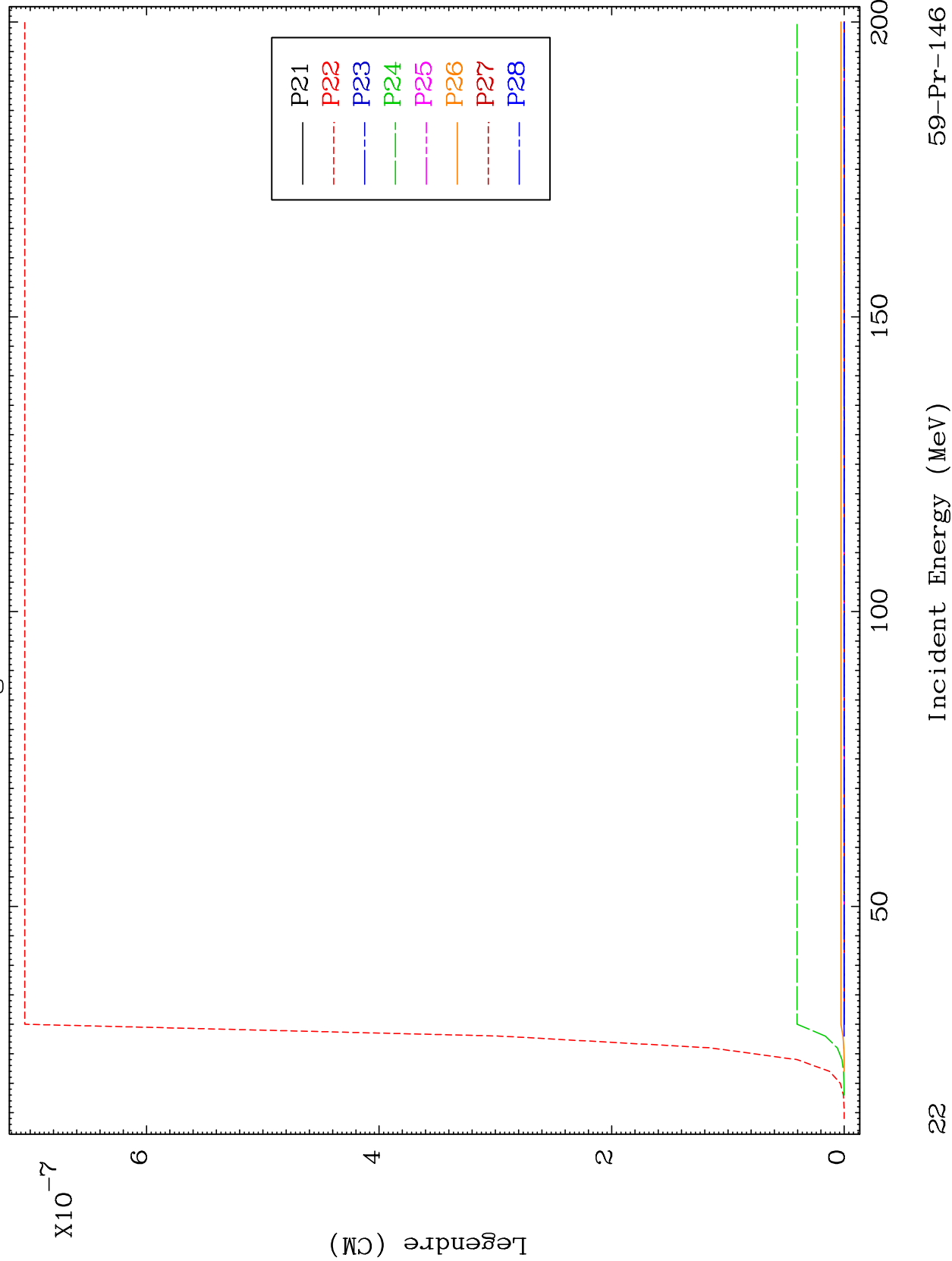




MAT 5940

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

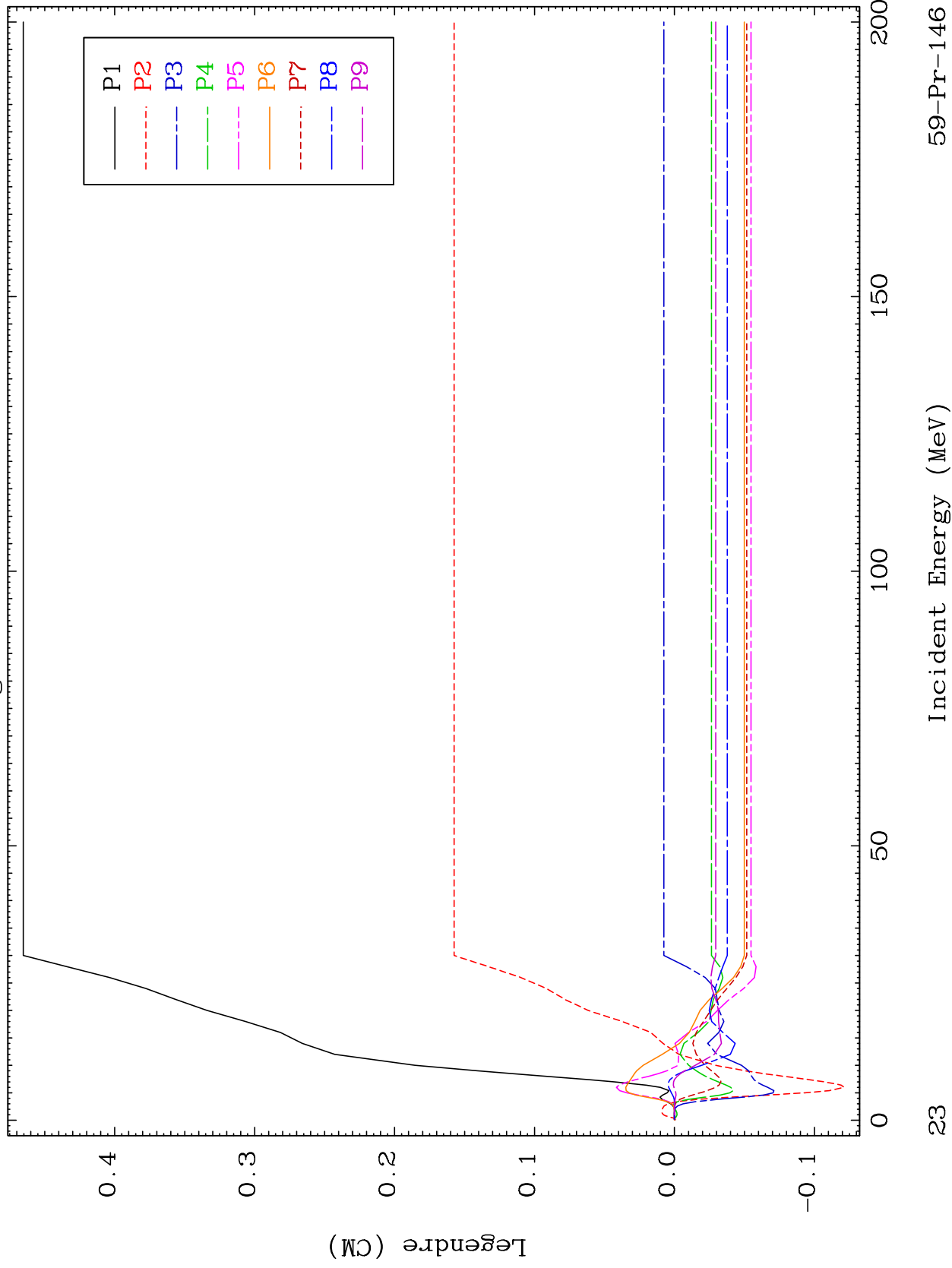
59-Pr-146



MAT 5940

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

59-Pr-146



59-Pr-146

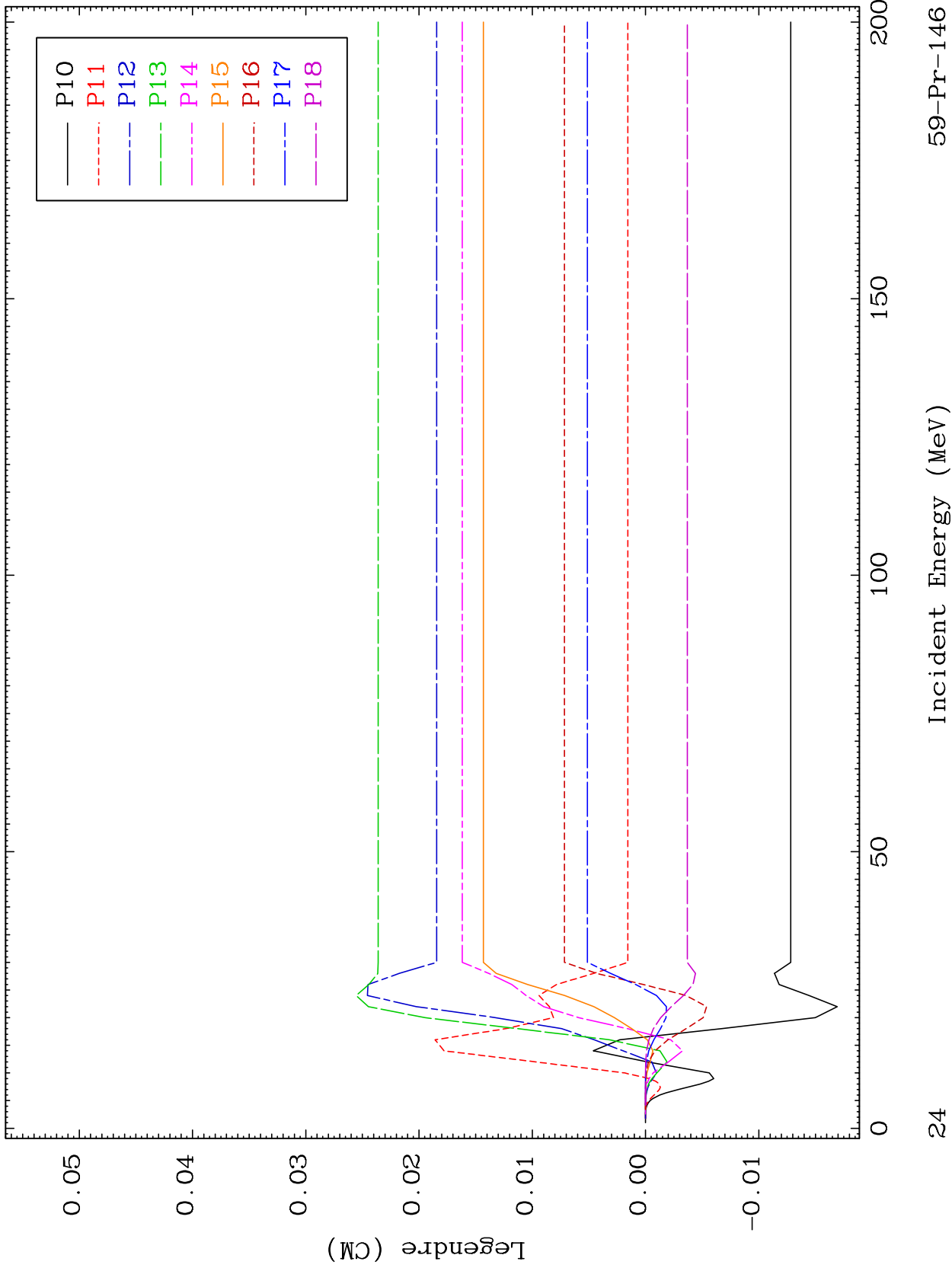
Incident Energy (MeV)

23

MAT 5940

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

59-Pr-146



59-Pr-146

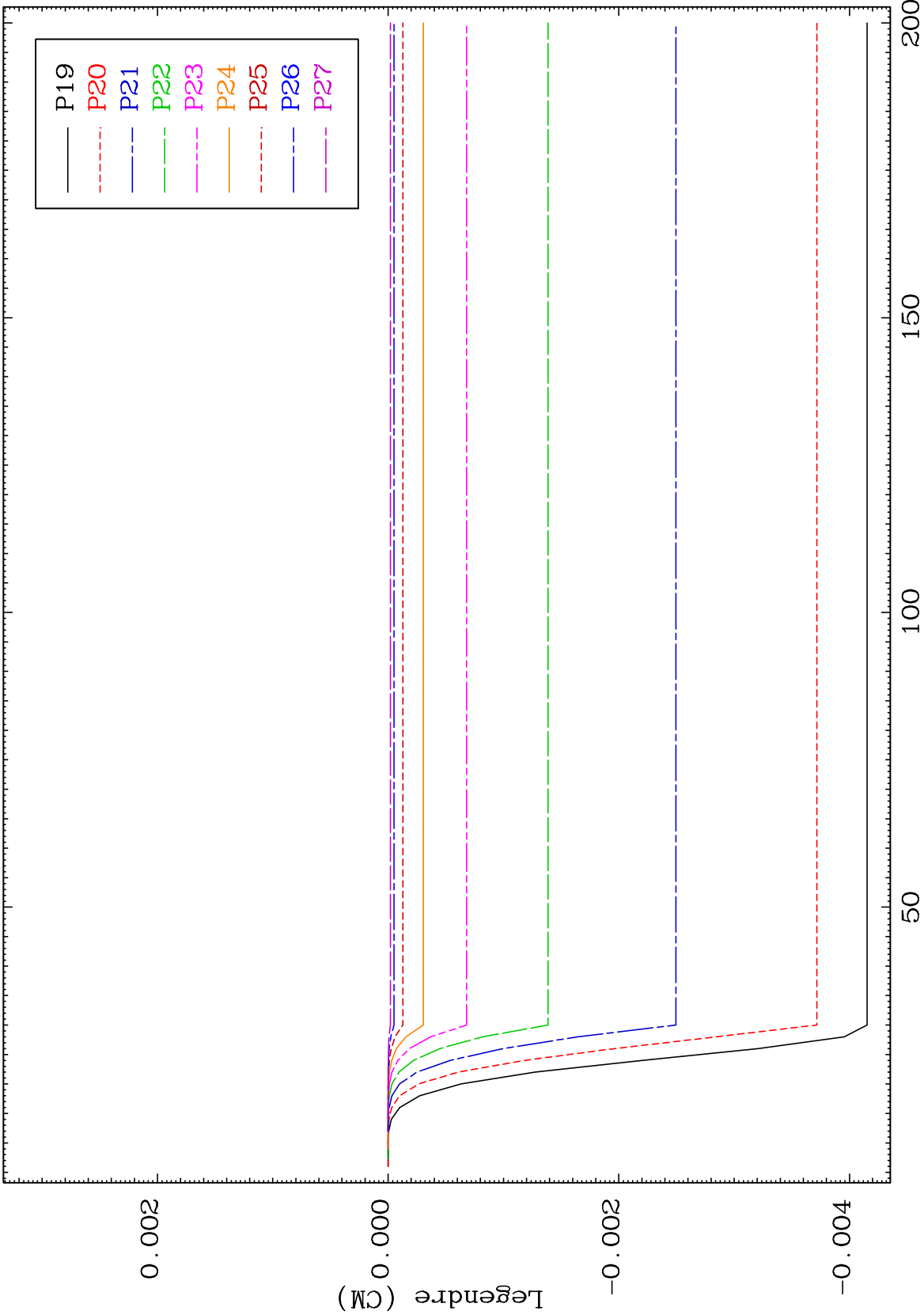
Incident Energy (MeV)

24

MAT 5940

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

59-Pr-146



25

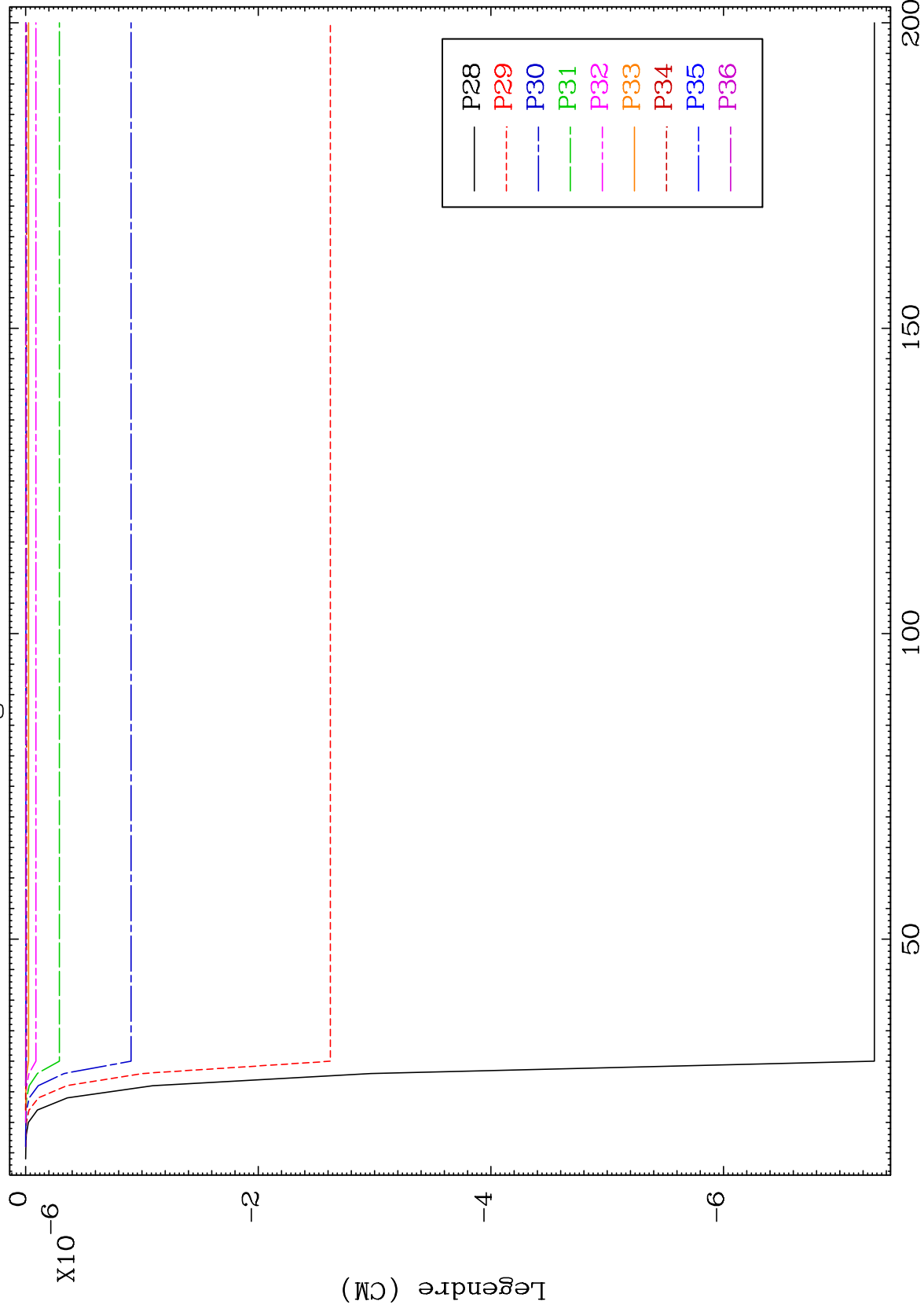
Incident Energy (MeV)

59-Pr-146

MAT 5940

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

59-Pr-146



26

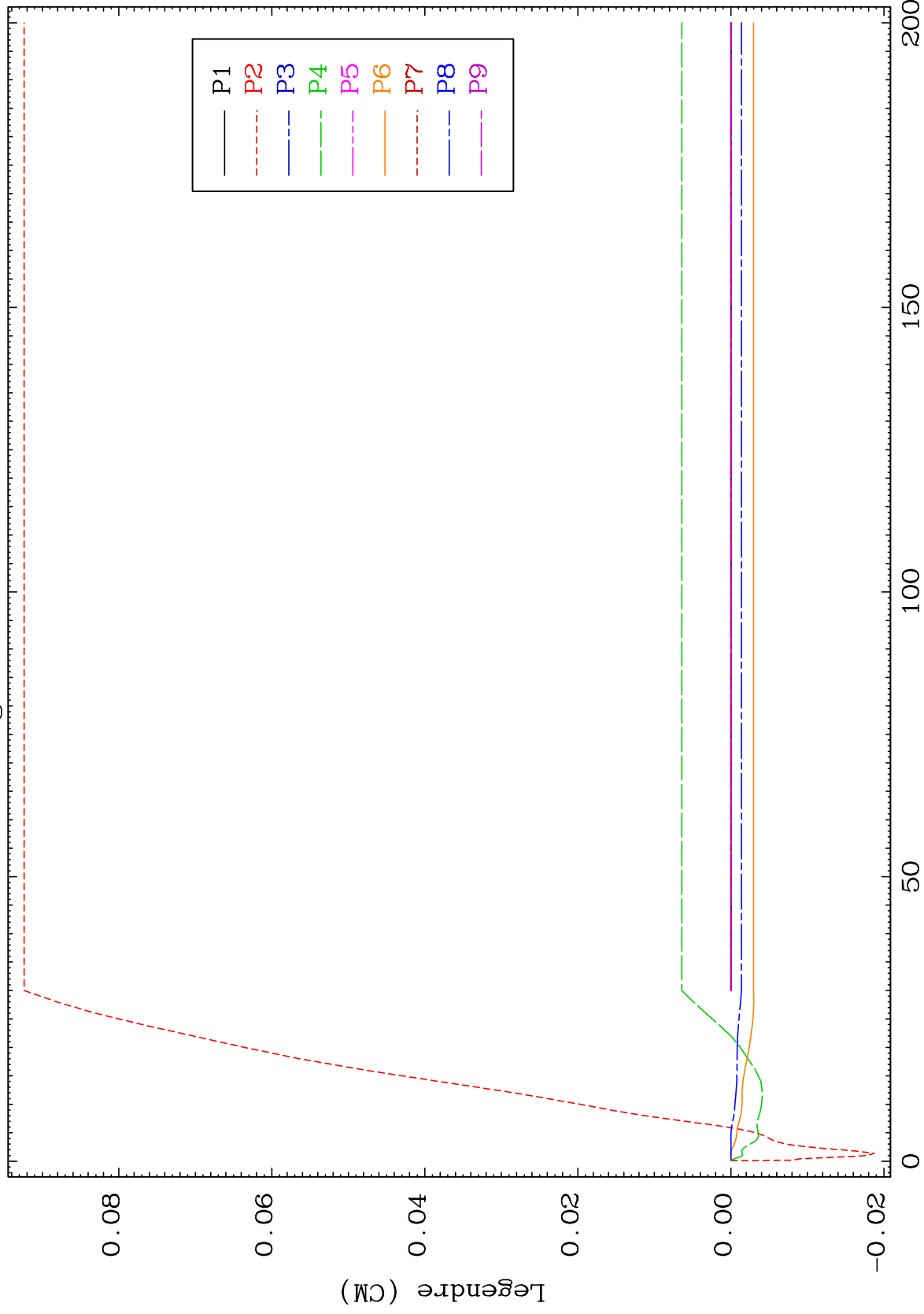
Incident Energy (MeV)

59-Pr-146

MAT 5940

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

59-Pr-146



59-Pr-146

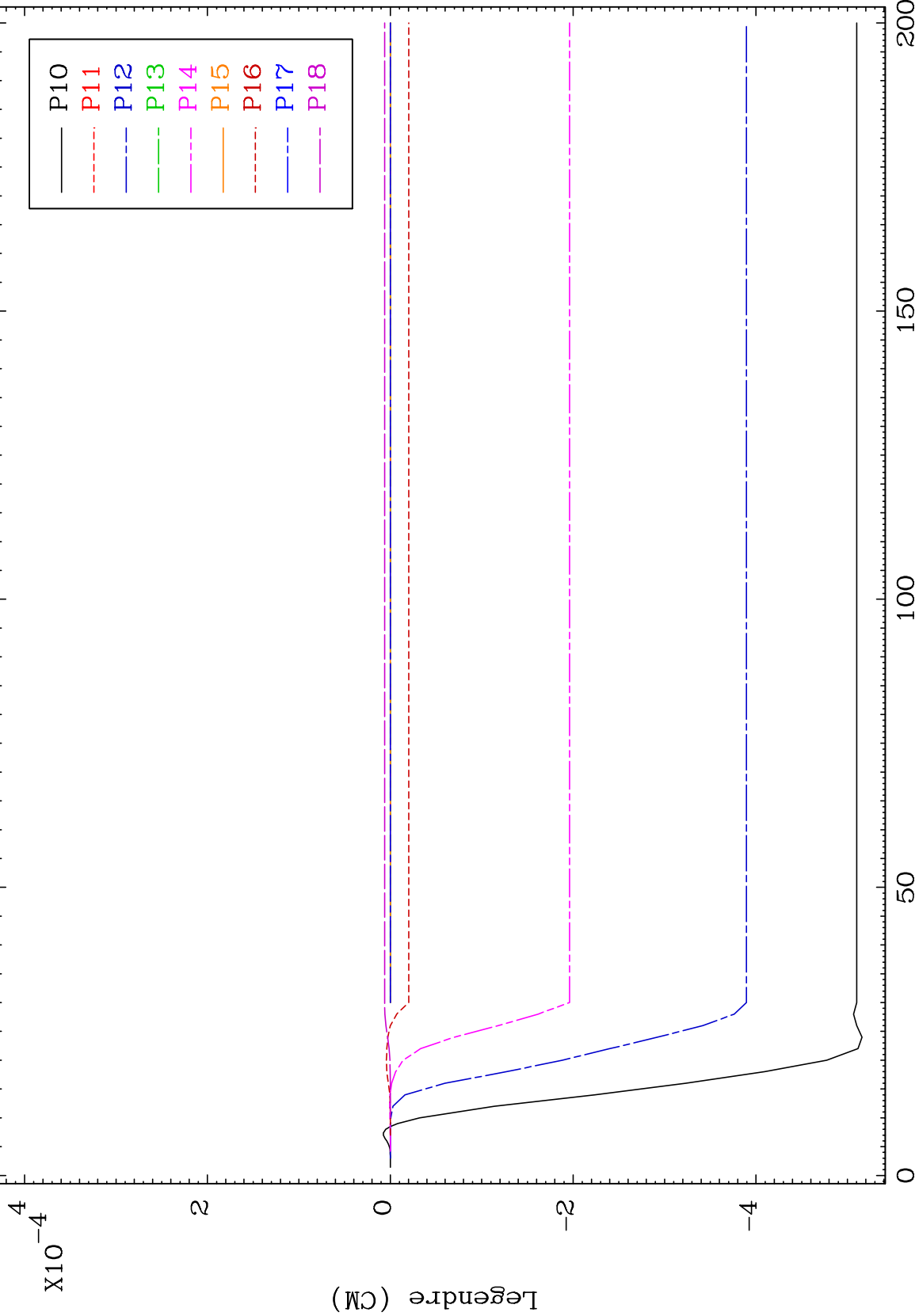
Incident Energy (MeV)

27

MAT 5940

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

59-Pr-146



28

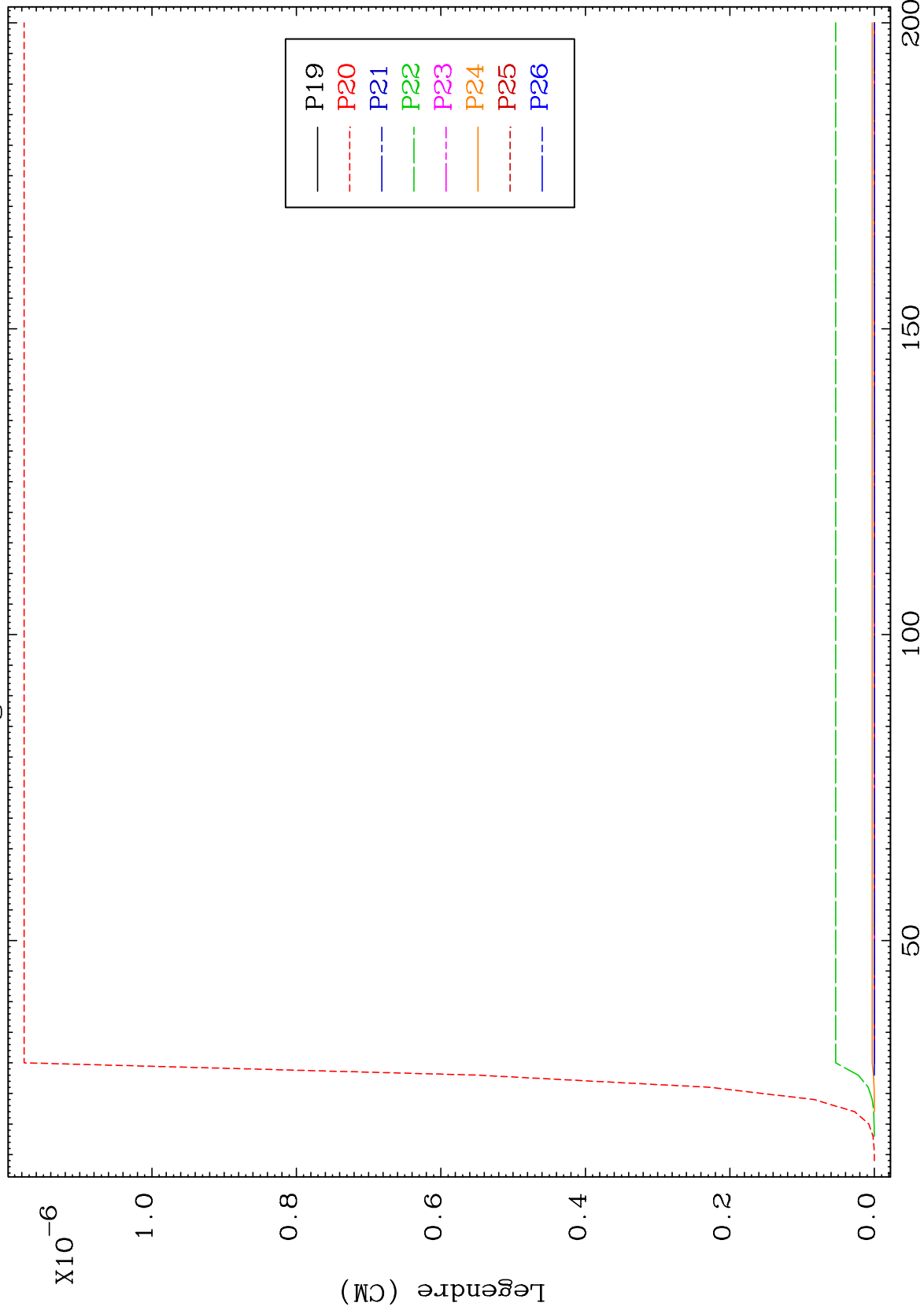
Incident Energy (MeV)

59-Pr-146

MAT 5940

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

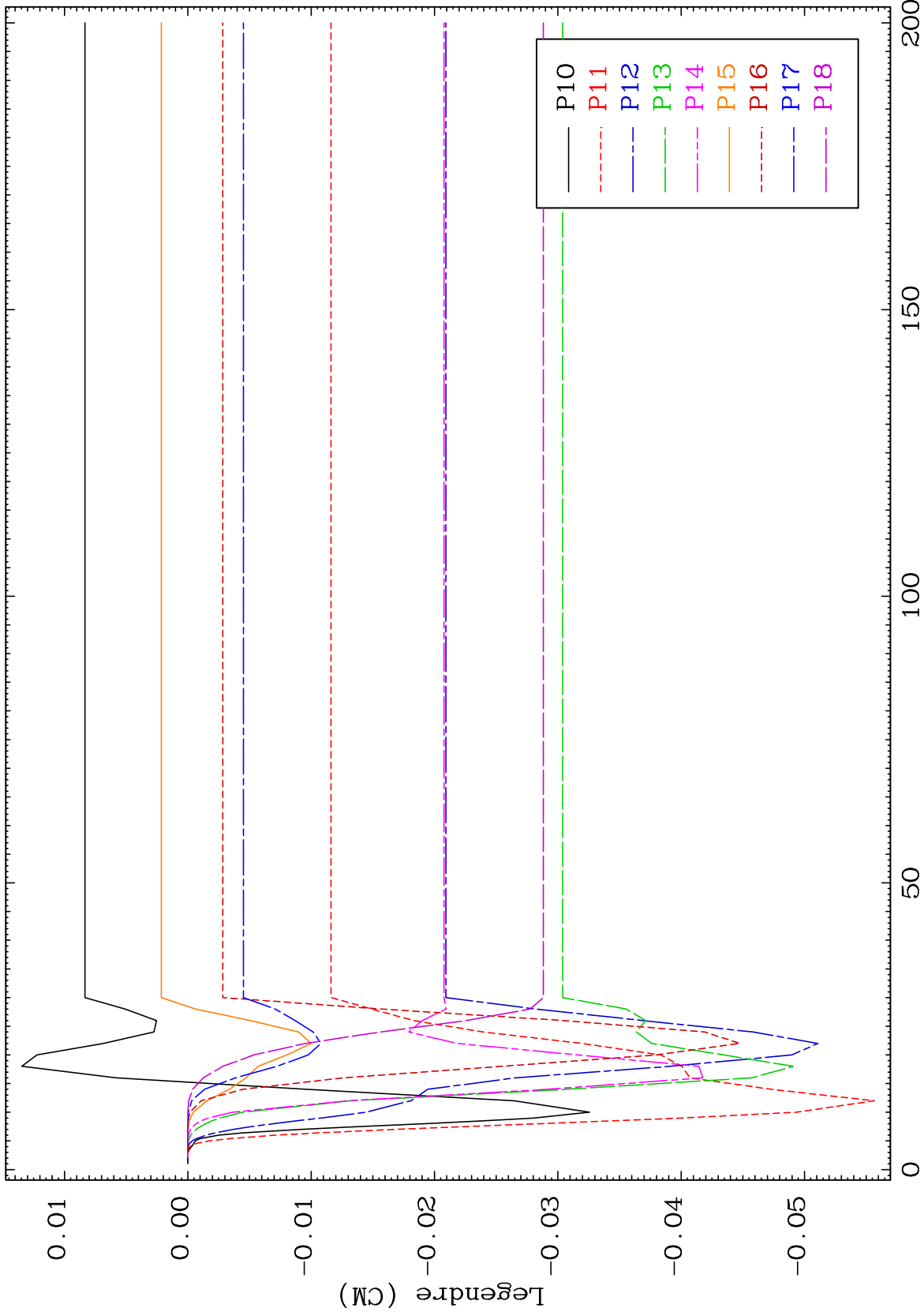
59-Pr-146



29

Incident Energy (MeV)

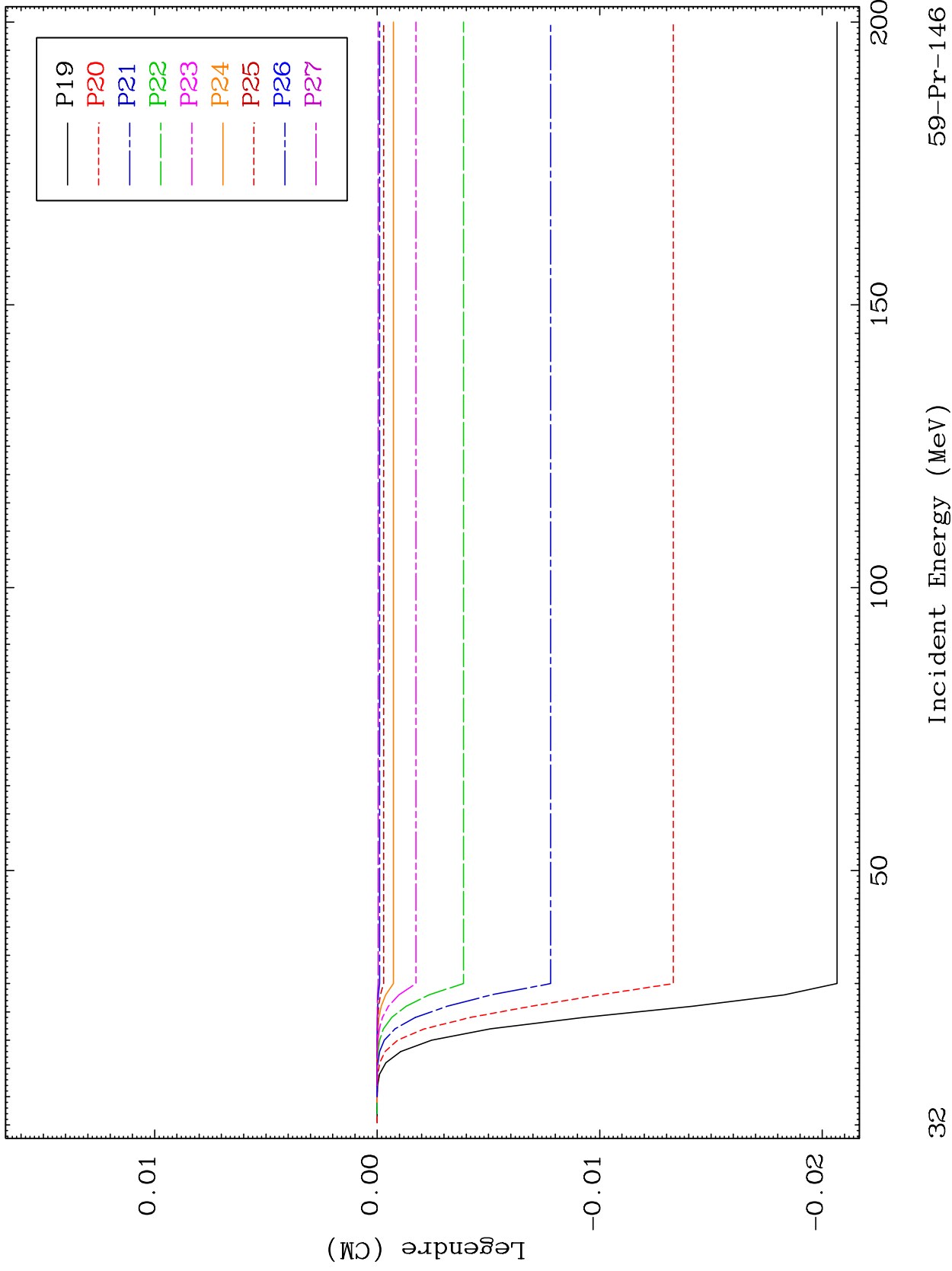
59-Pr-146



MAT 5940

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

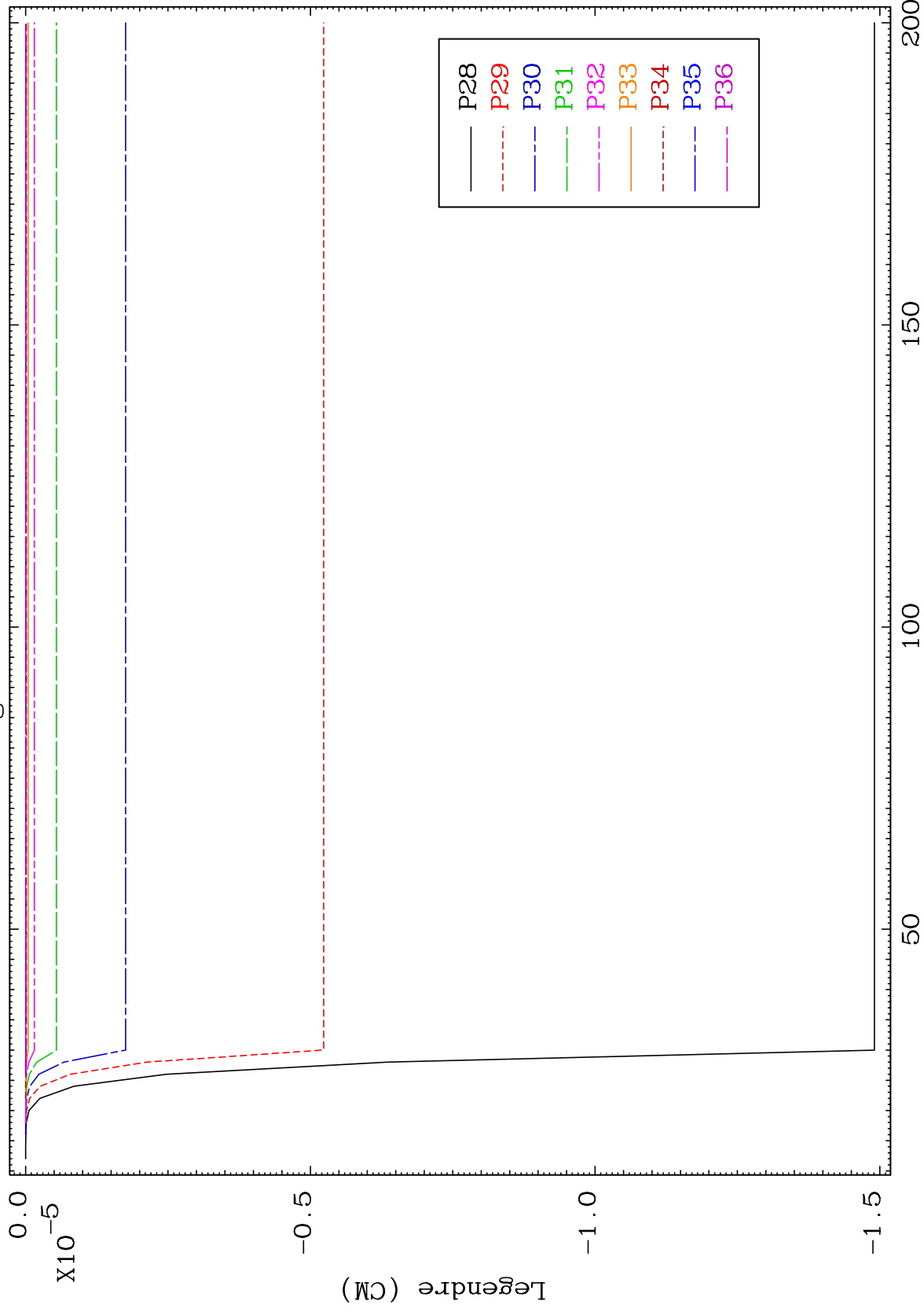
59-Pr-146



32

Incident Energy (MeV)

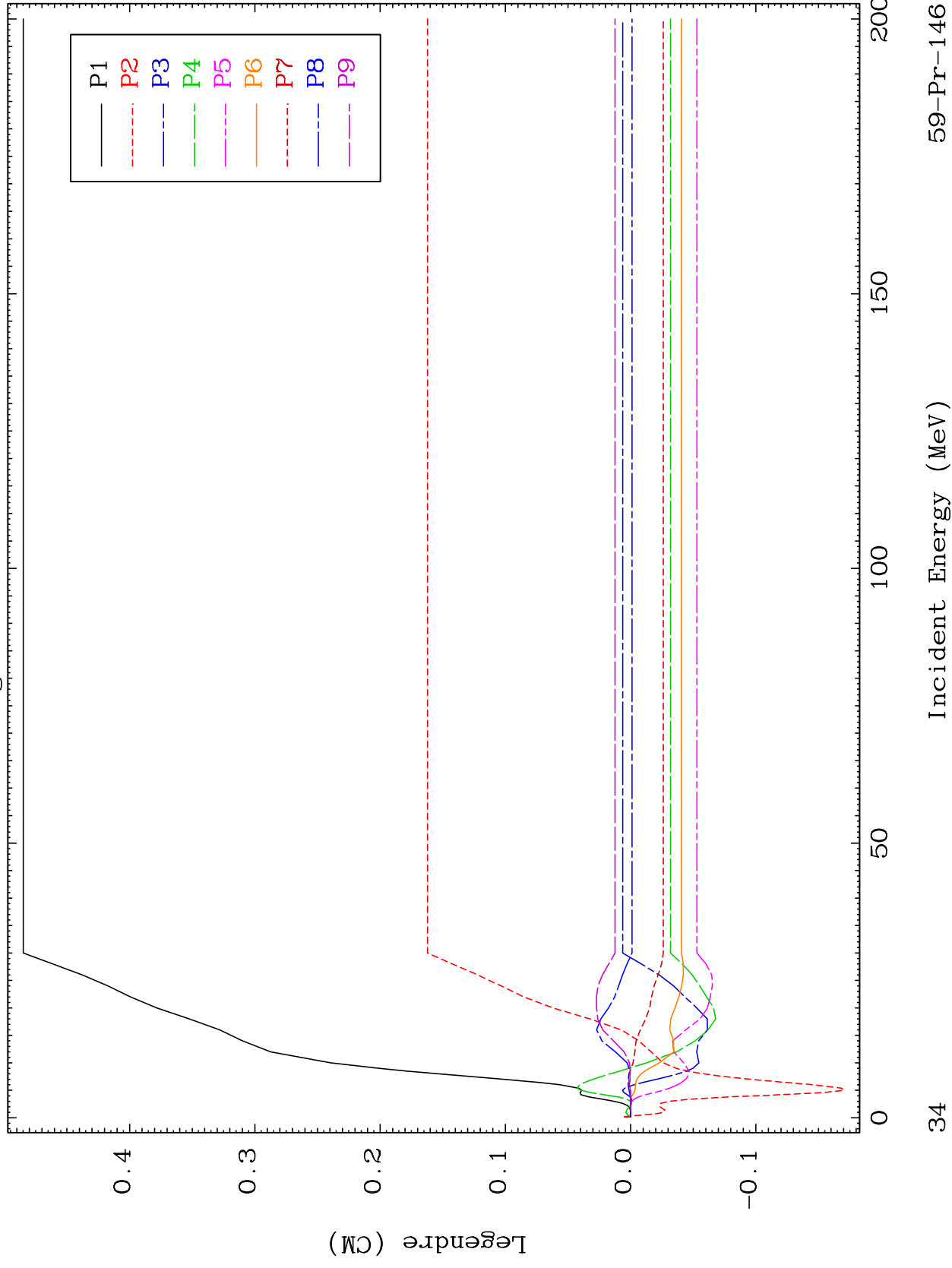
59-Pr-146



MAT 5940

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

59-Pr-146



59-Pr-146

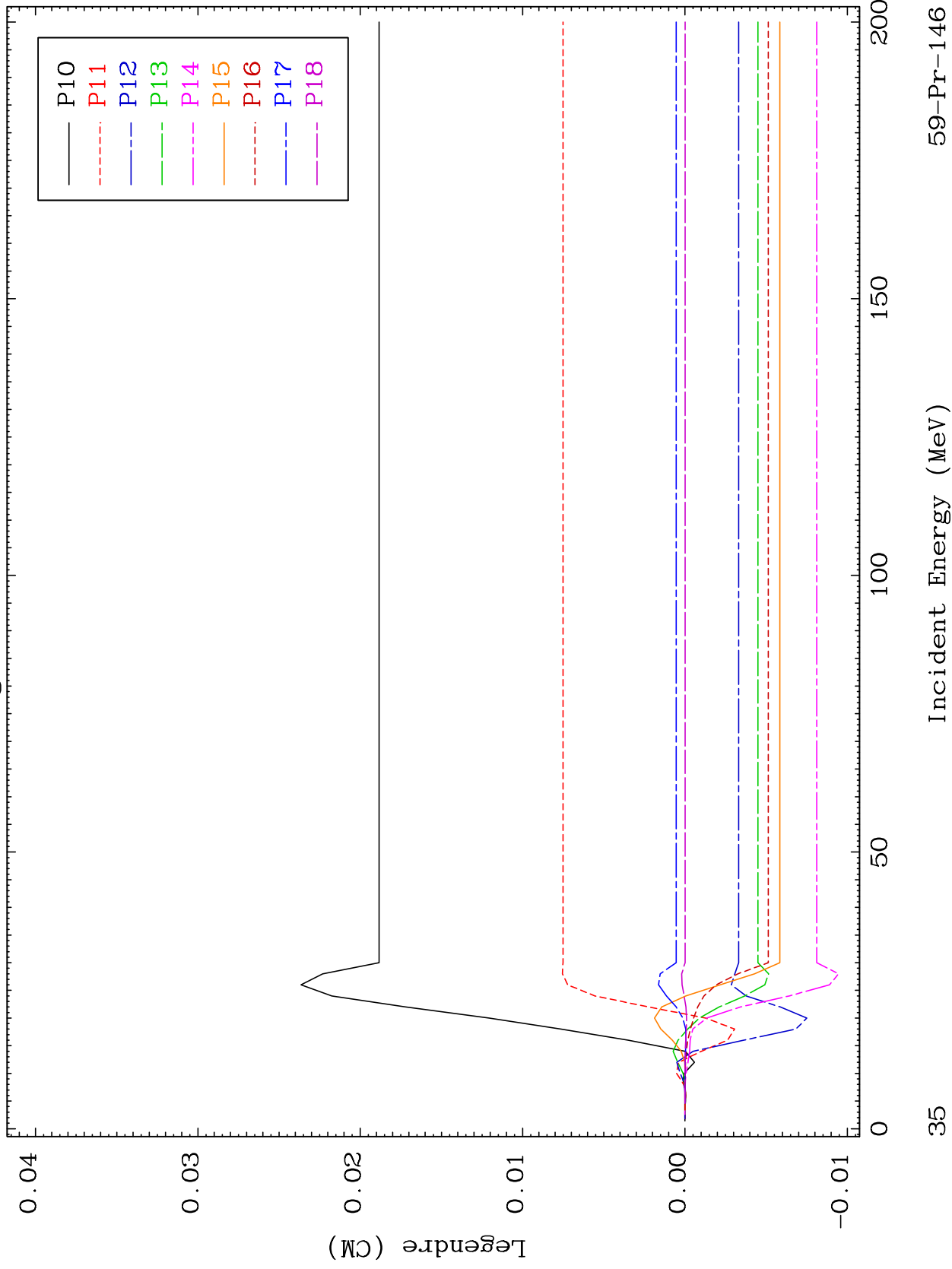
Incident Energy (MeV)

34

MAT 5940

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

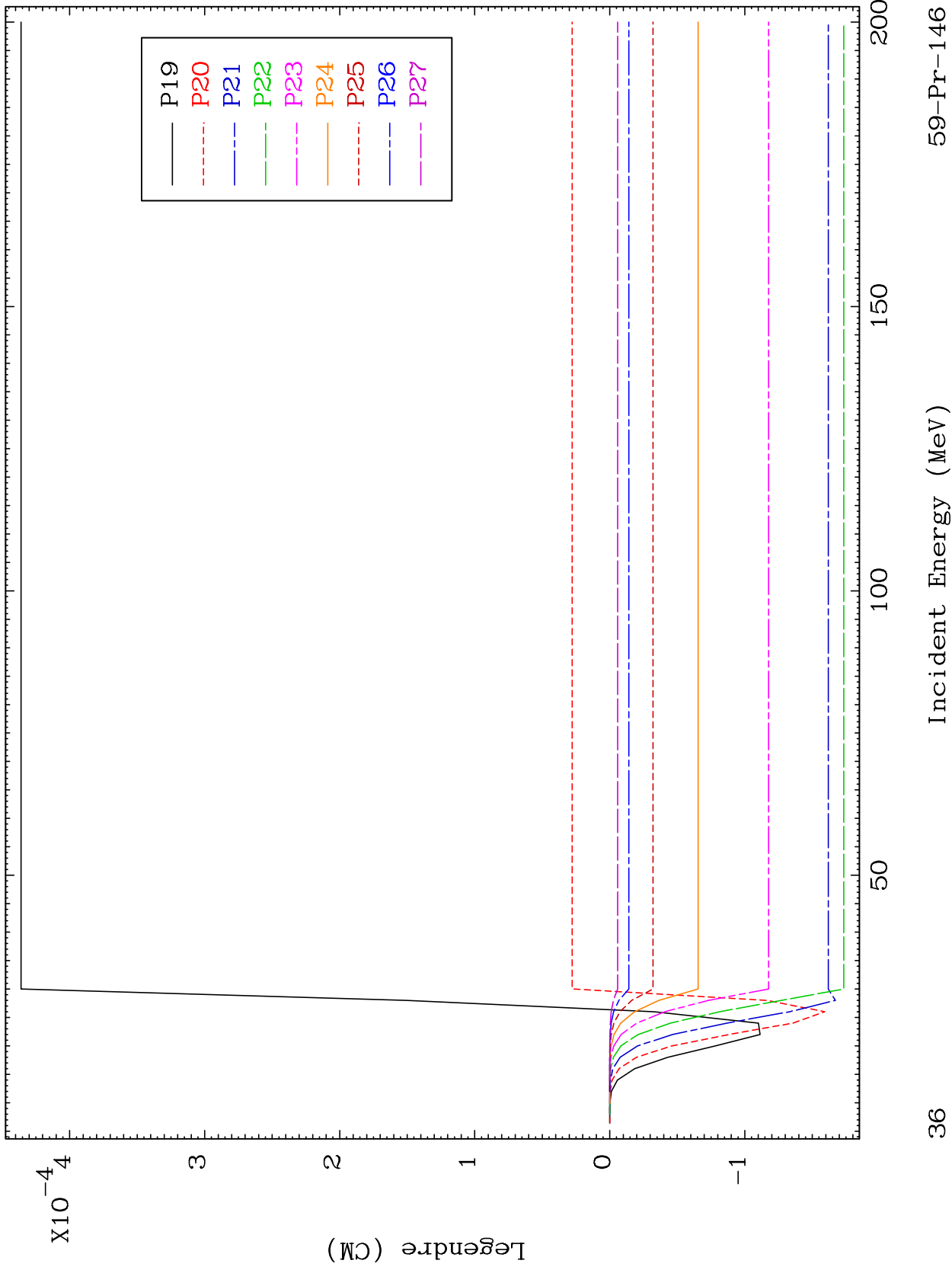
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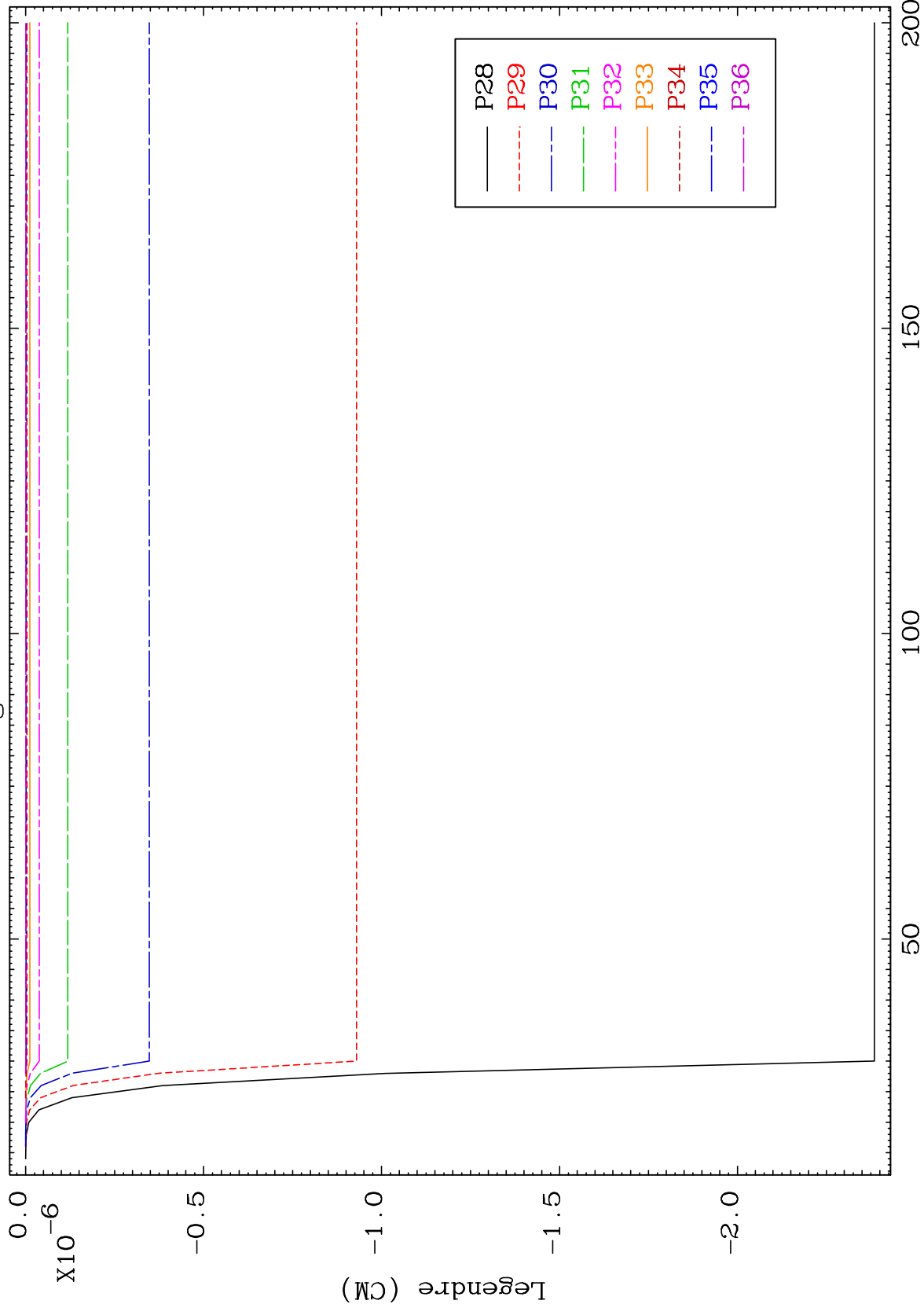


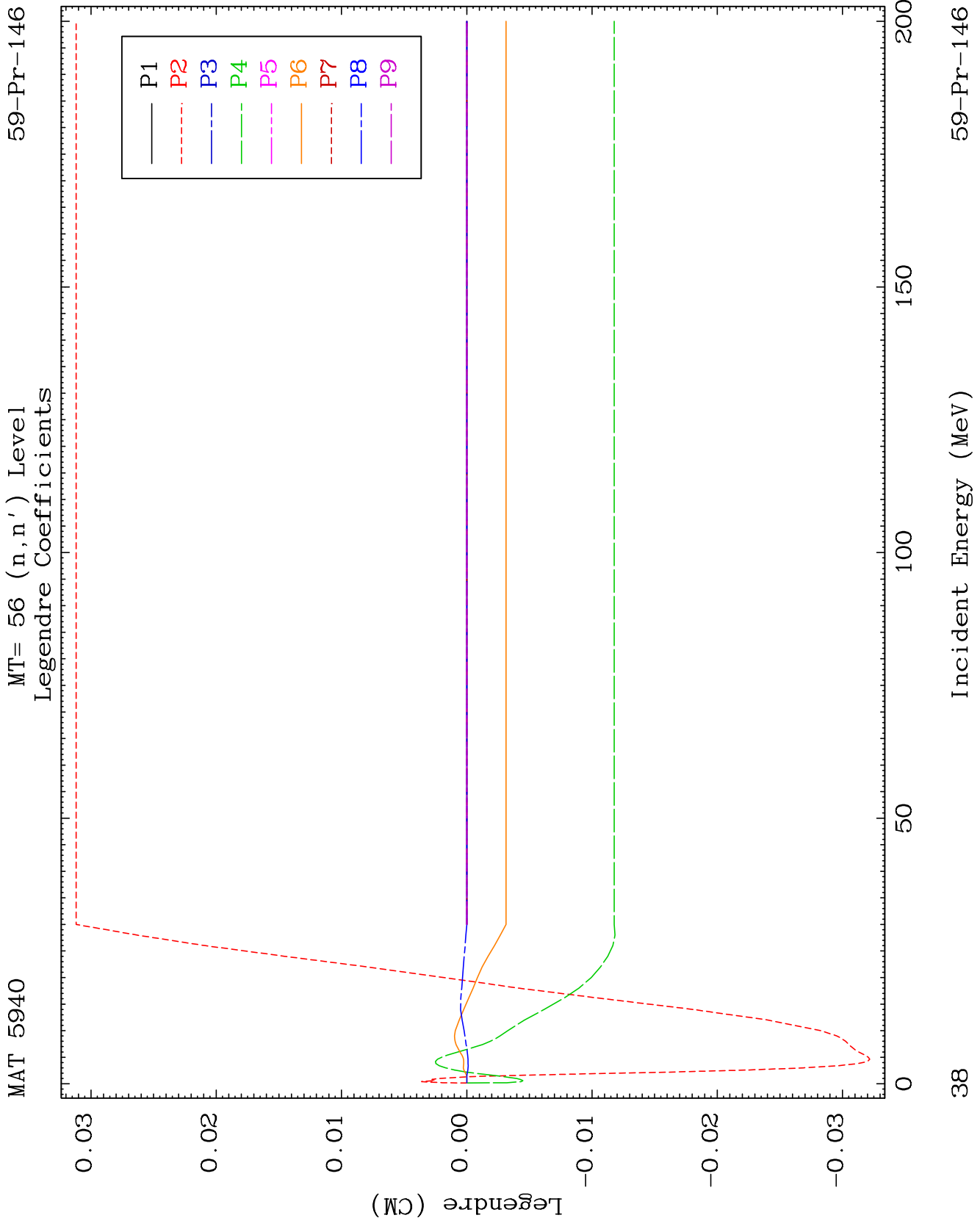
59-Pr-146

Incident Energy (MeV)

35



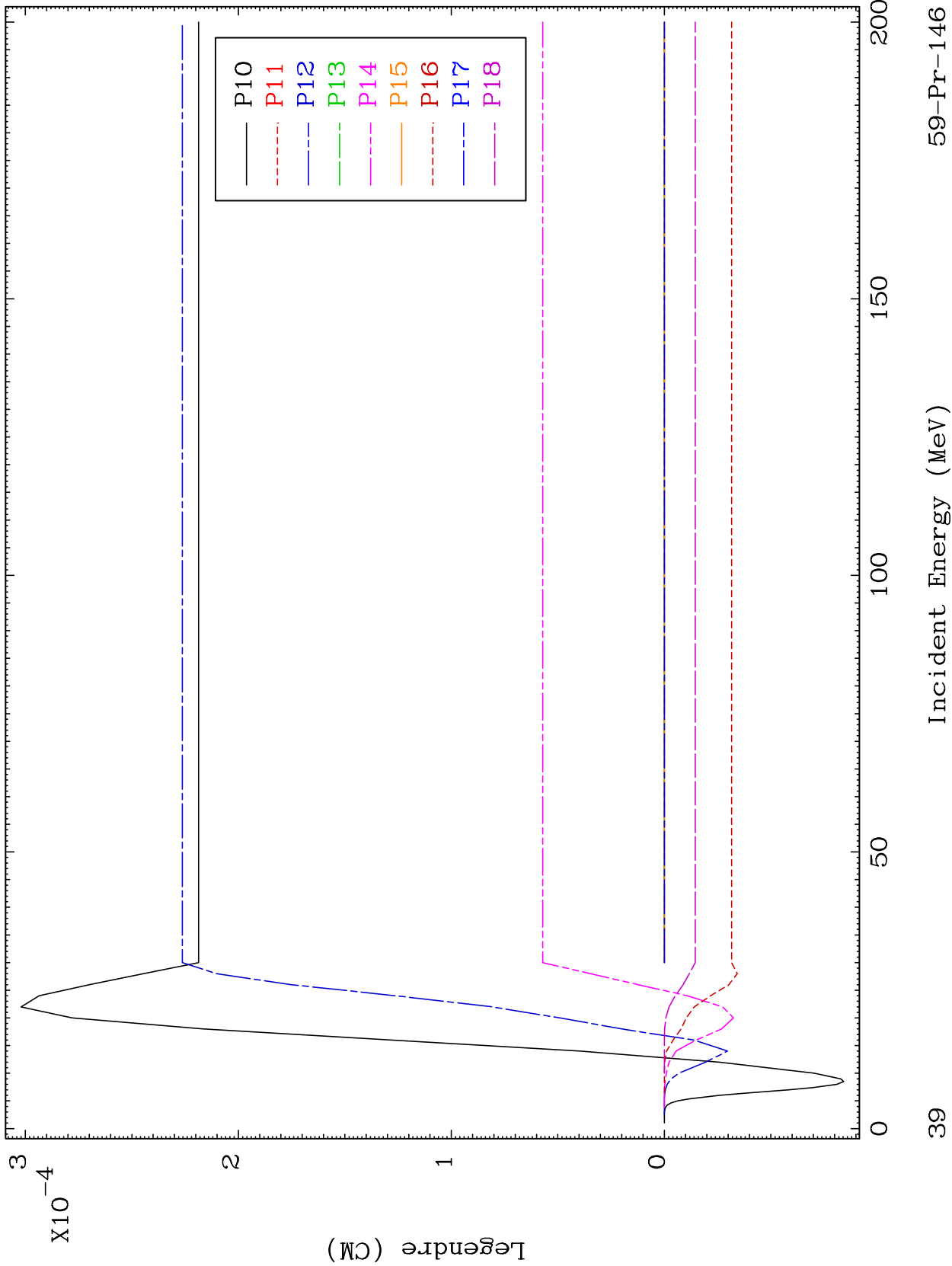




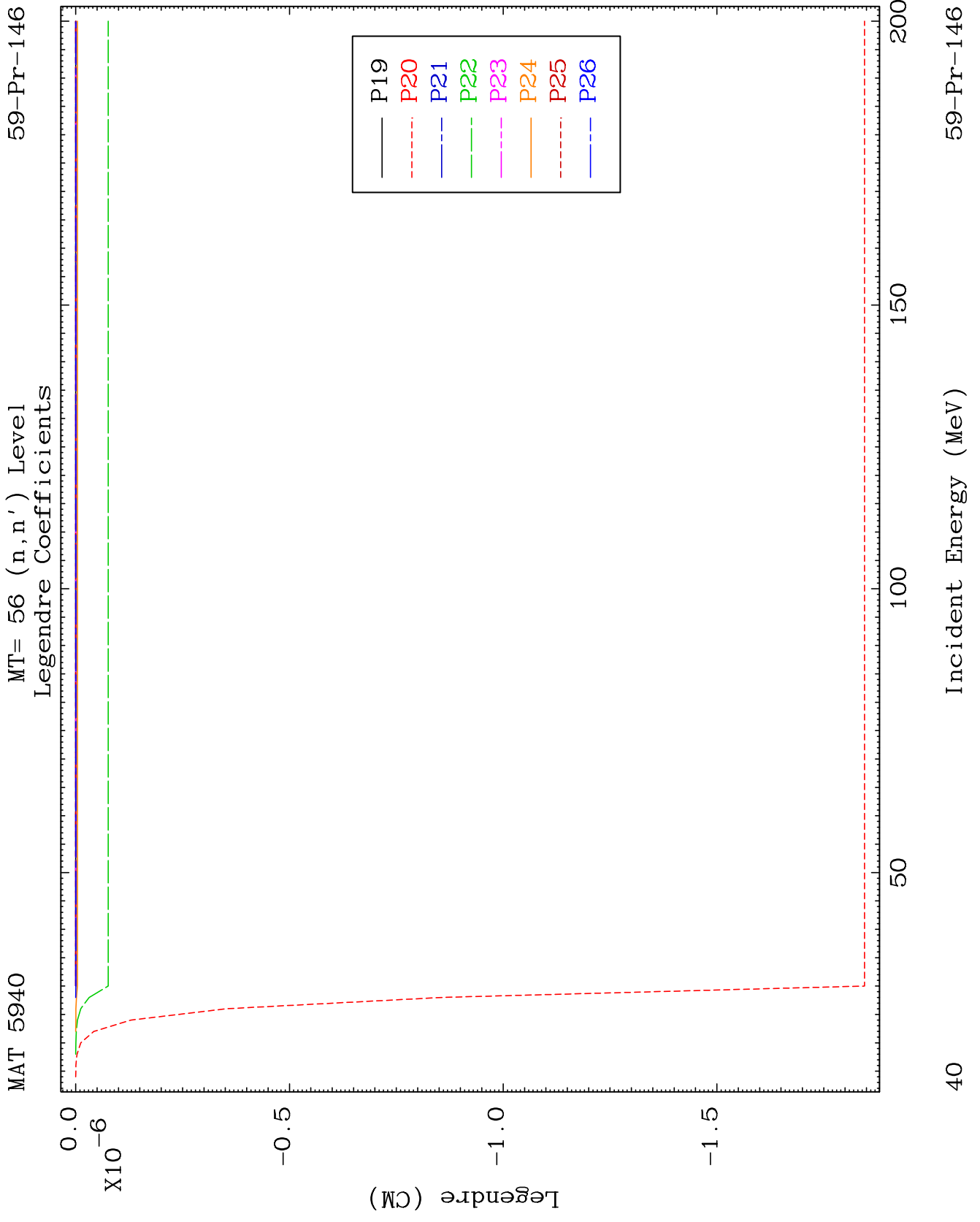
MAT 5940

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

59-Pr-146



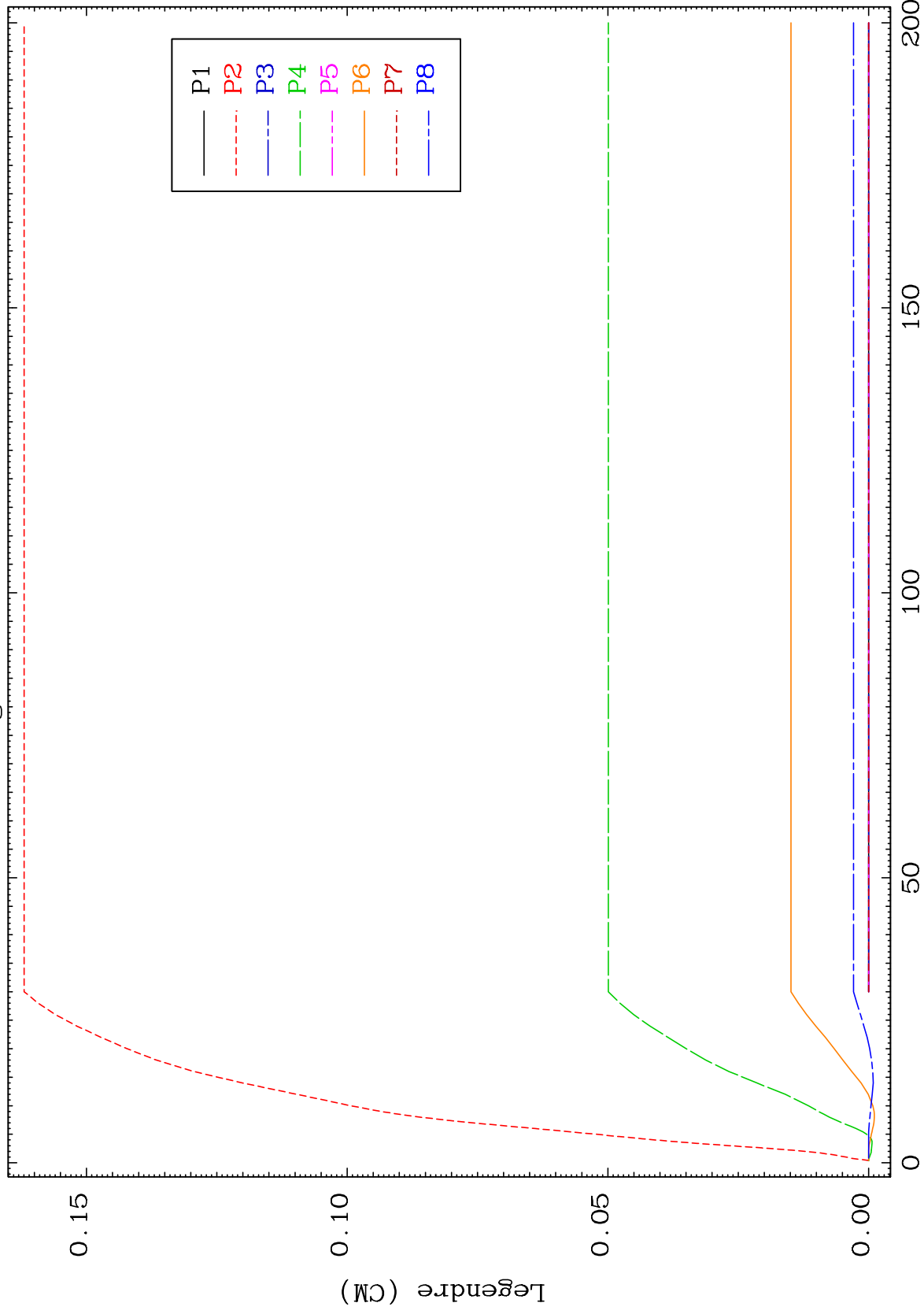
59-Pr-146



MAT 5940

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

59-Pr-146



41

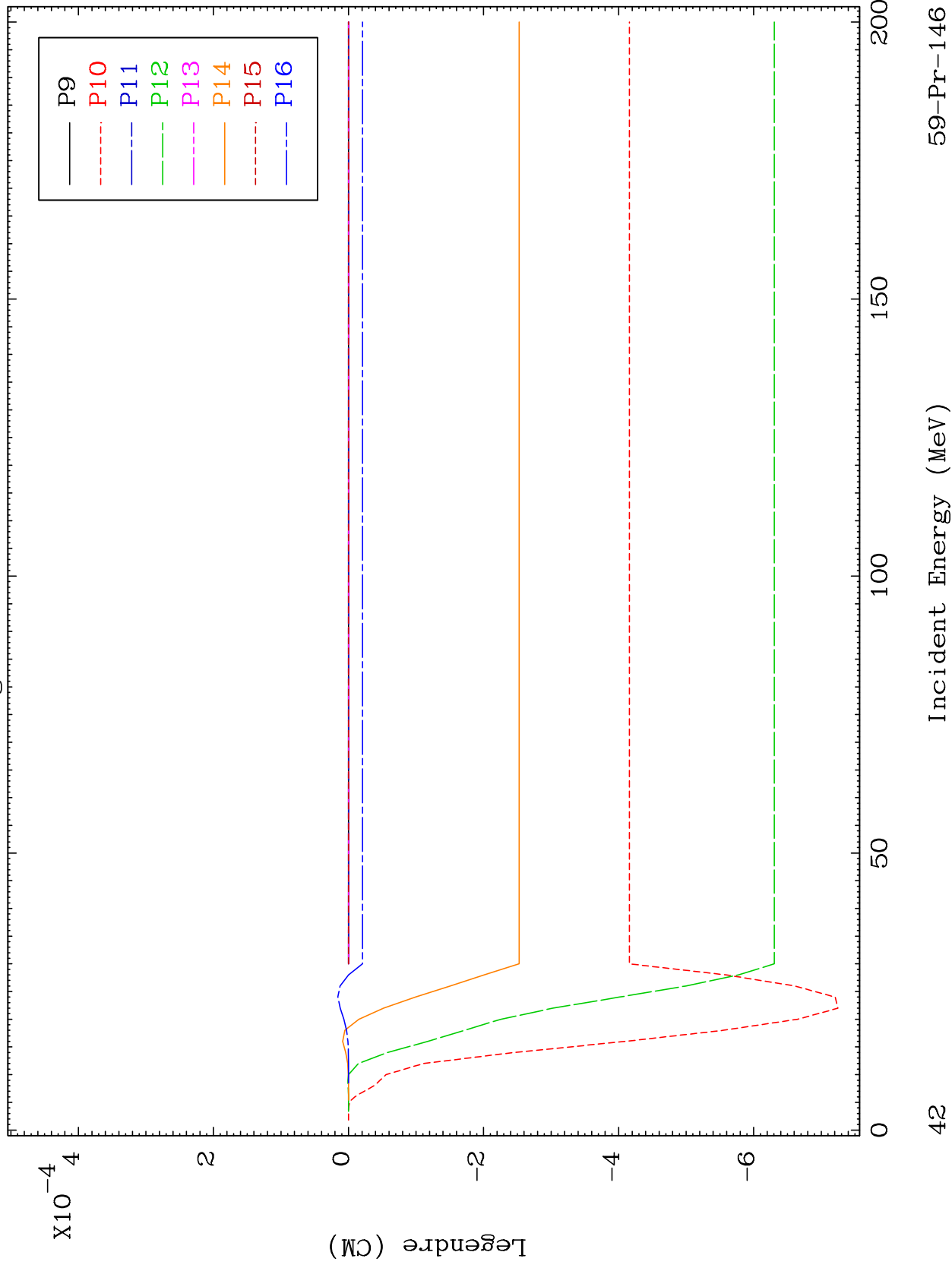
Incident Energy (MeV)

59-Pr-146

MAT 5940

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

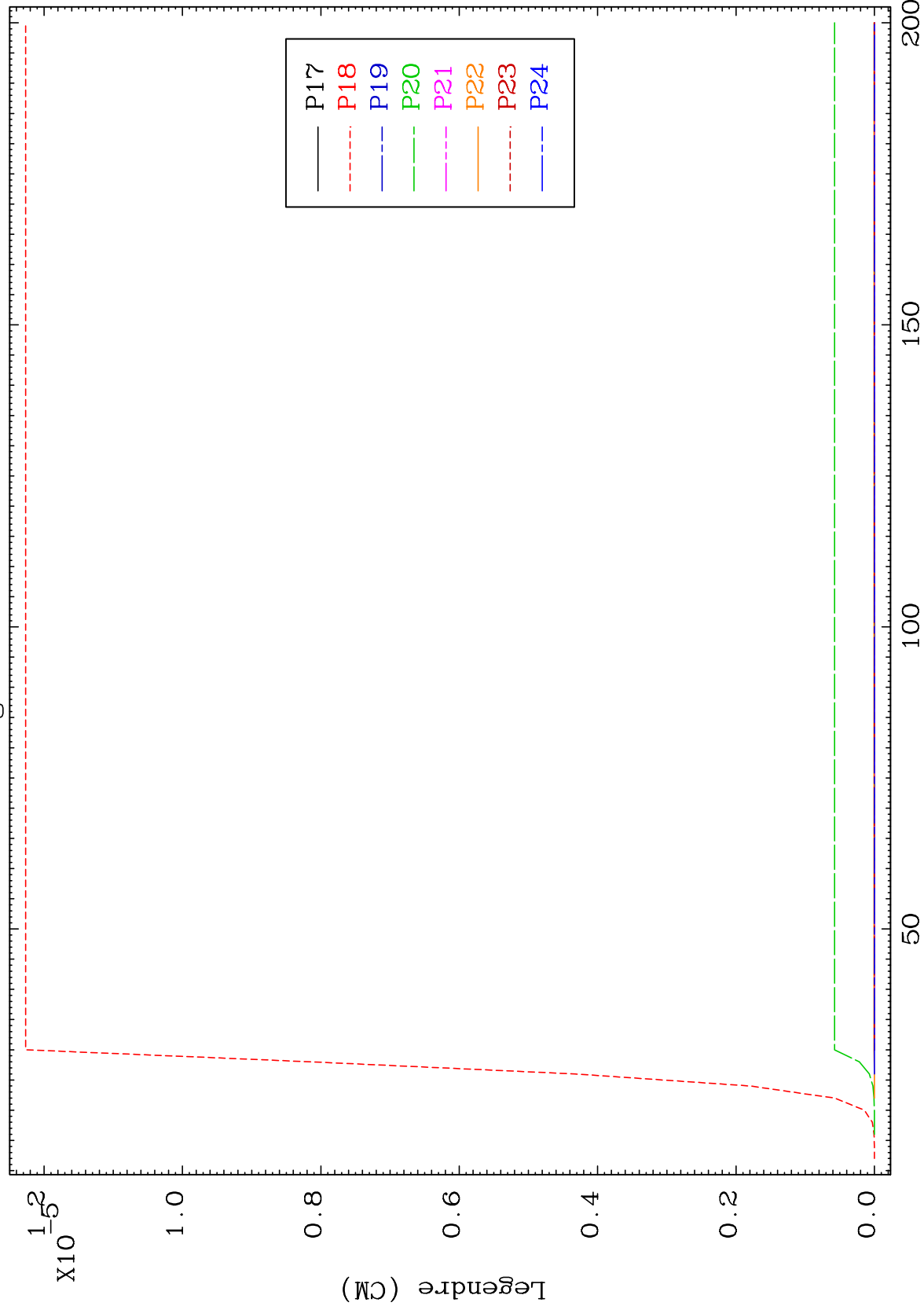
59-Pr-146



MAT 5940

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

59-Pr-146



43

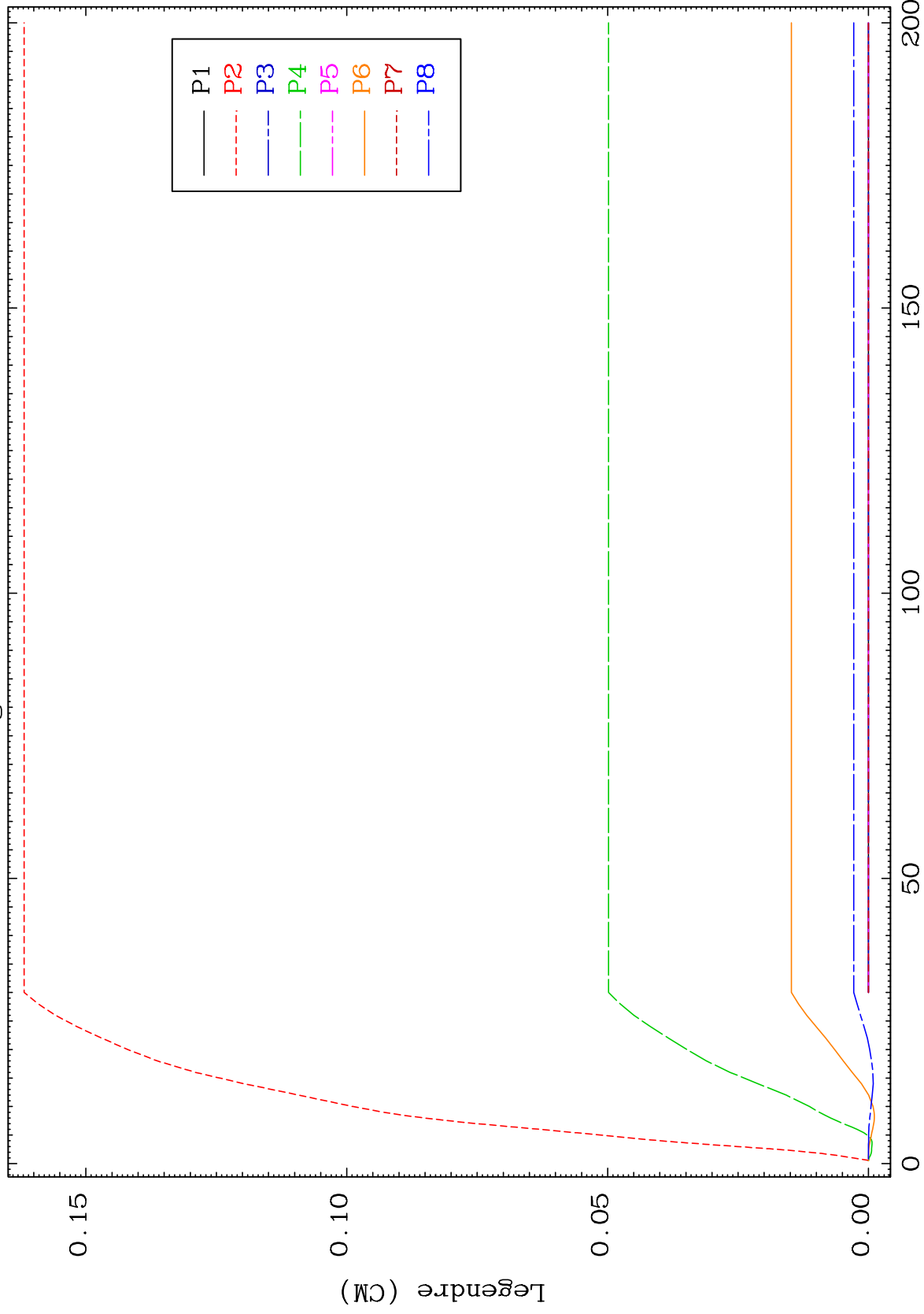
Incident Energy (MeV)

59-Pr-146

MAT 5940

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

59-Pr-146



44

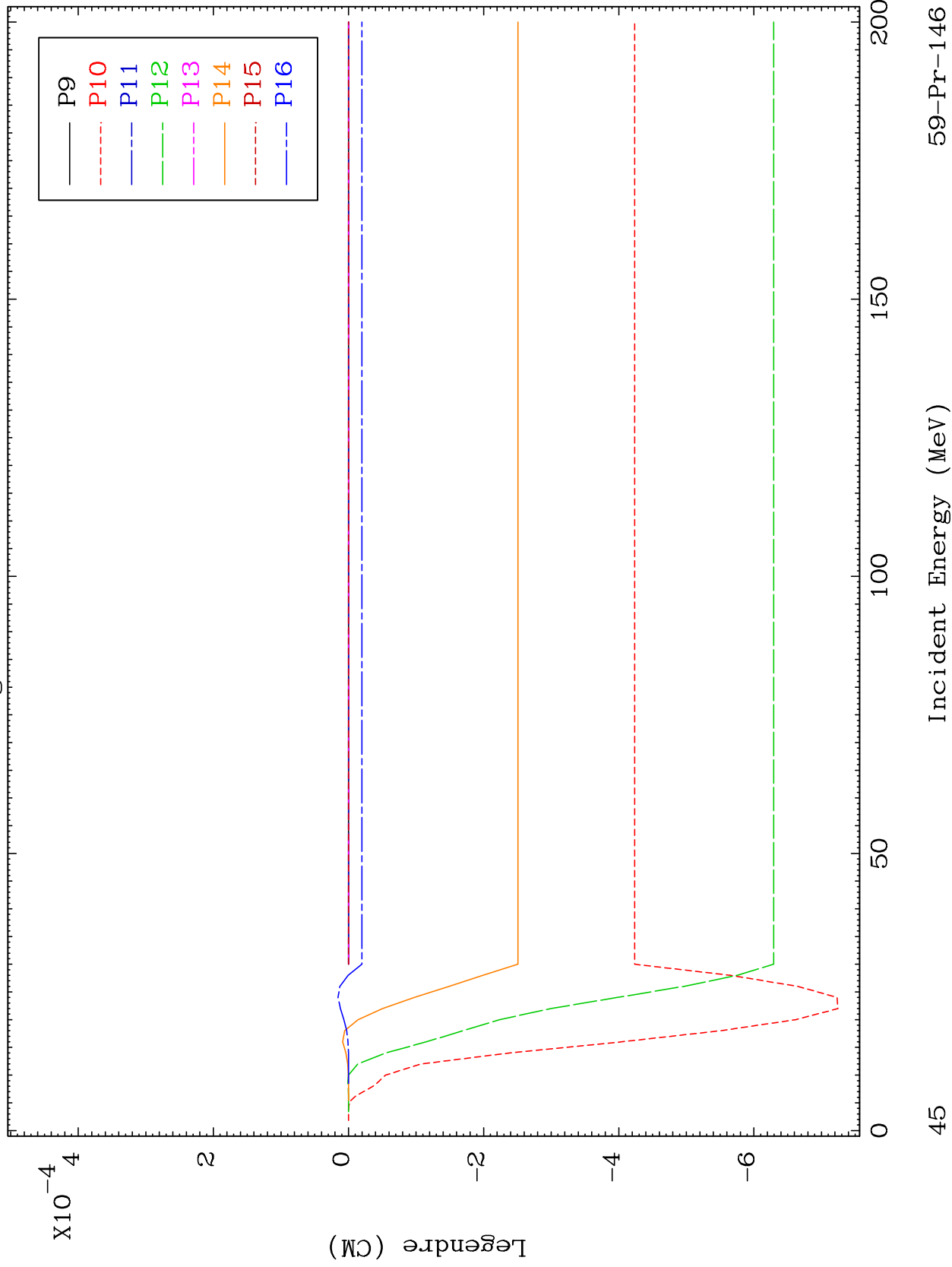
Incident Energy (MeV)

59-Pr-146

MAT 5940

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

59-Pr-146

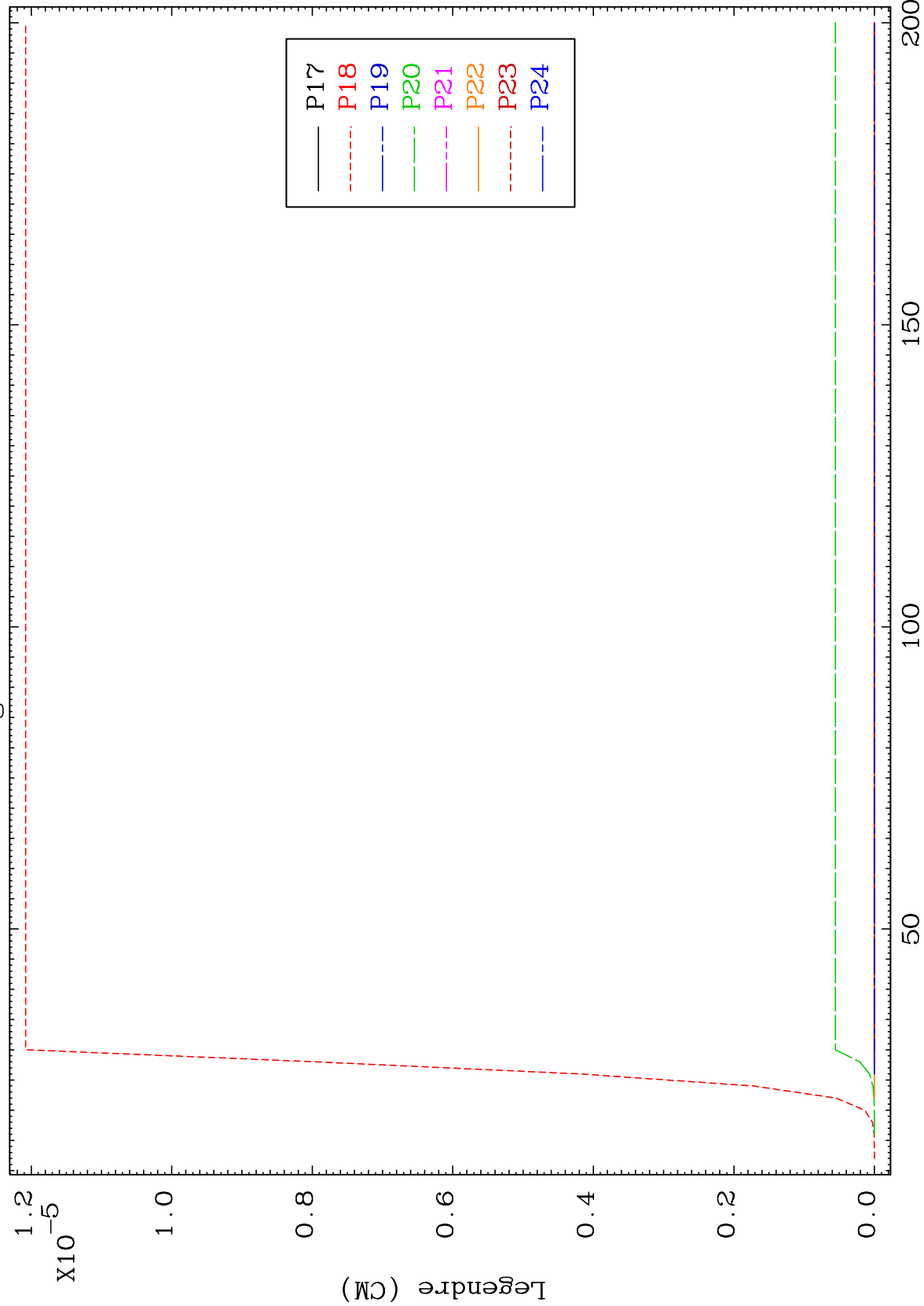


59-Pr-146

MAT 5940

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

59-Pr-146



59-Pr-146

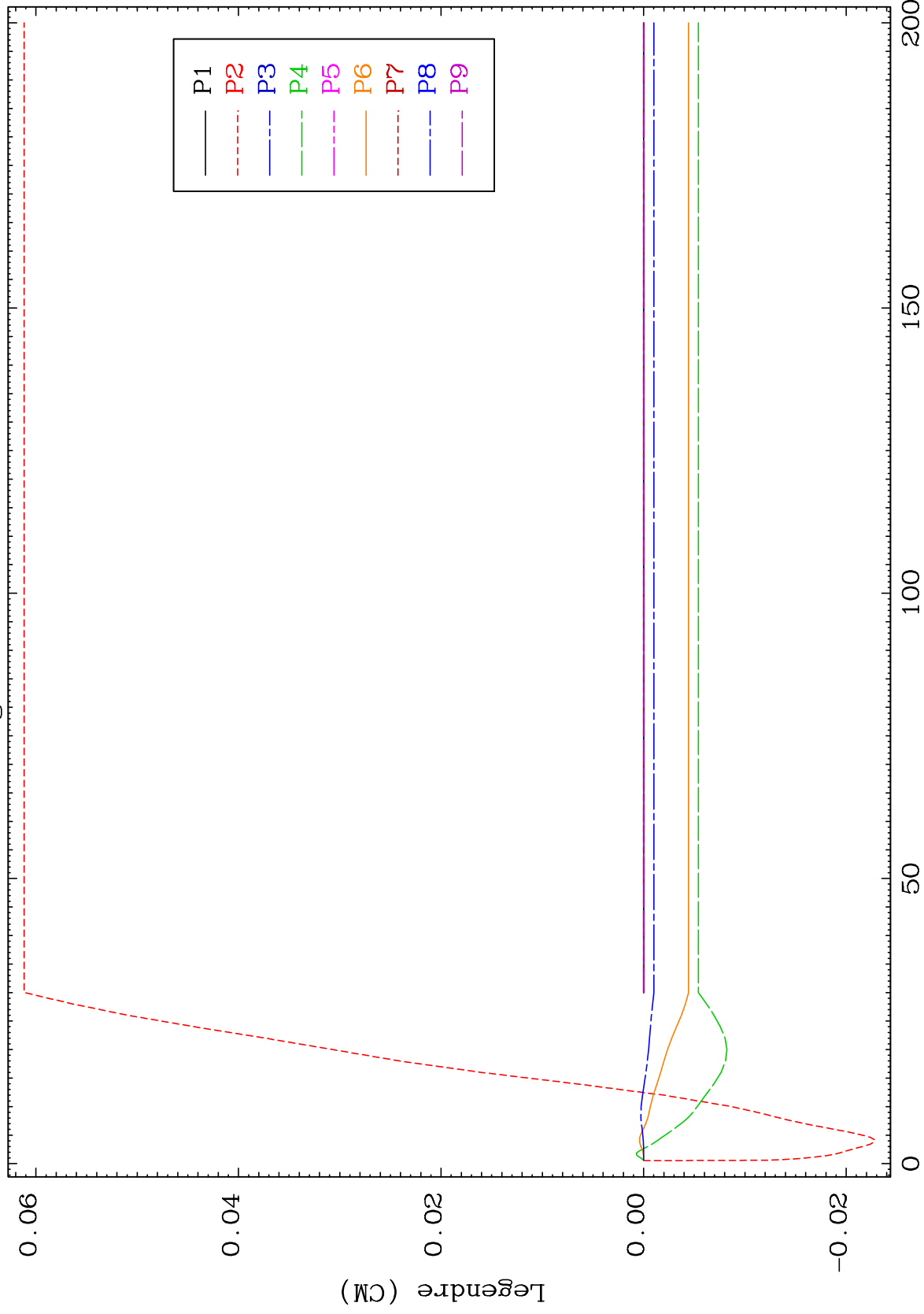
Incident Energy (MeV)

46

MAT 5940

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

59-Pr-146



47

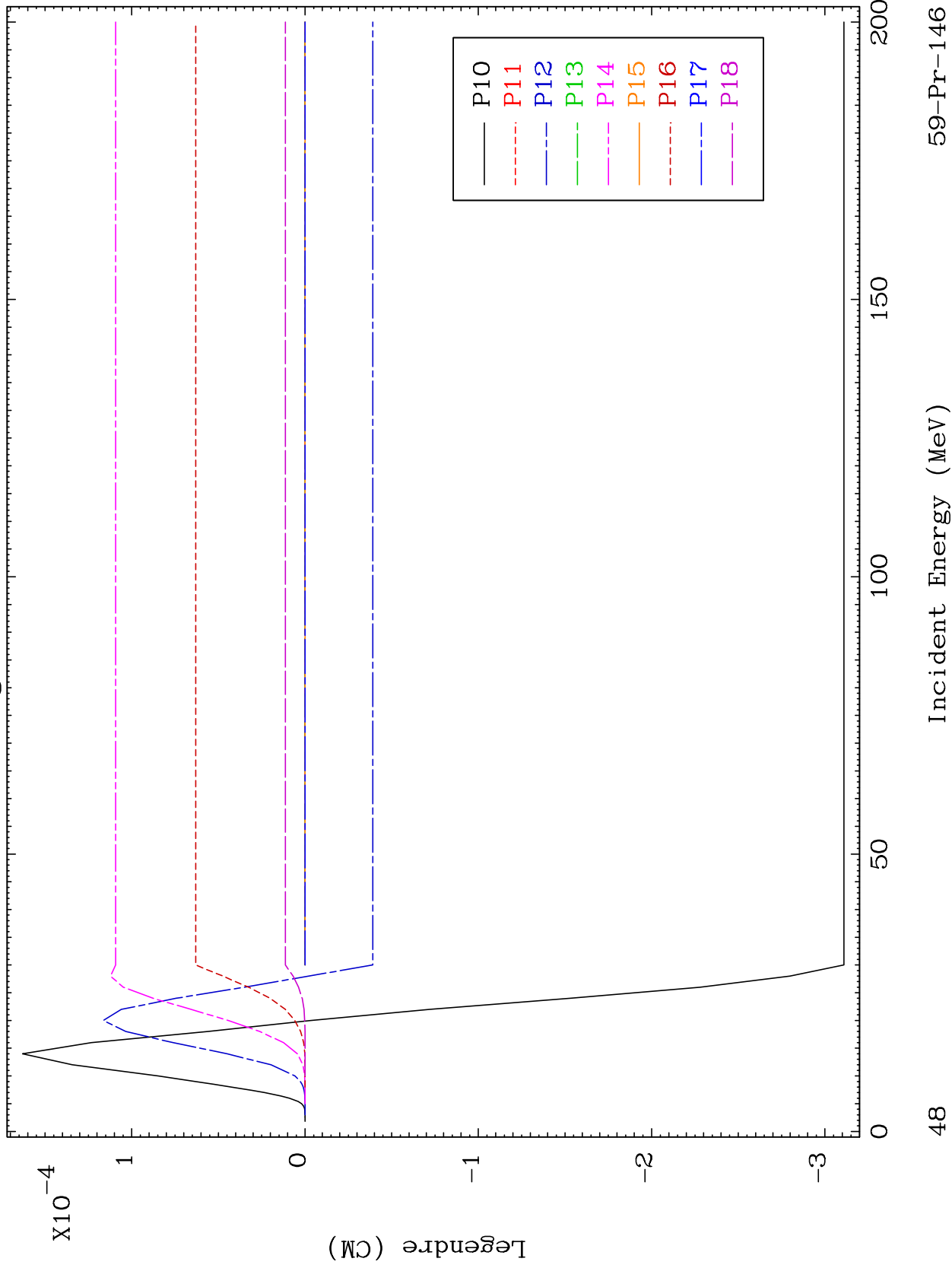
Incident Energy (MeV)

59-Pr-146

MAT 5940

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

59-Pr-146



48

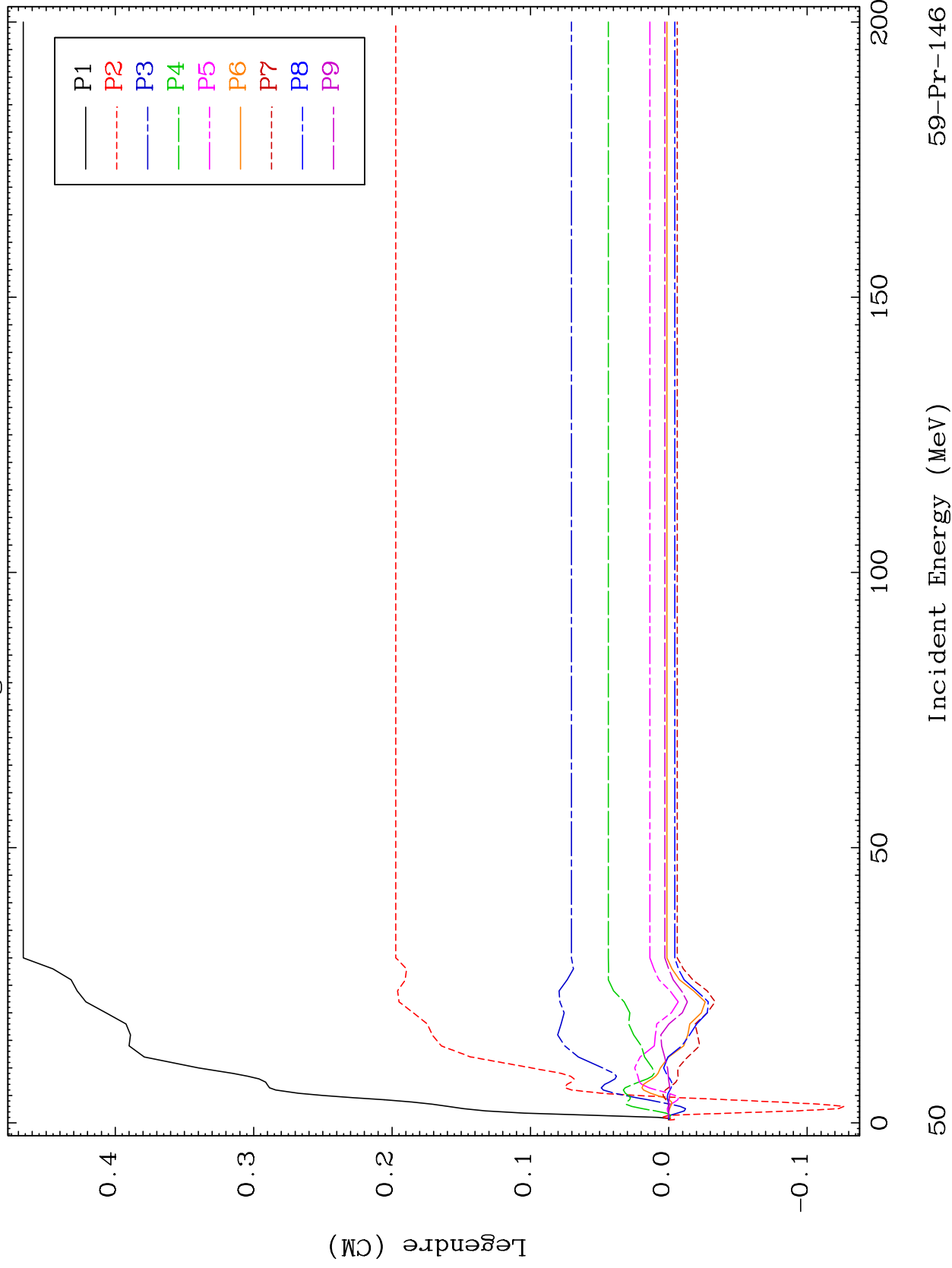
Incident Energy (MeV)

59-Pr-146

MAT 5940

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

59-Pr-146

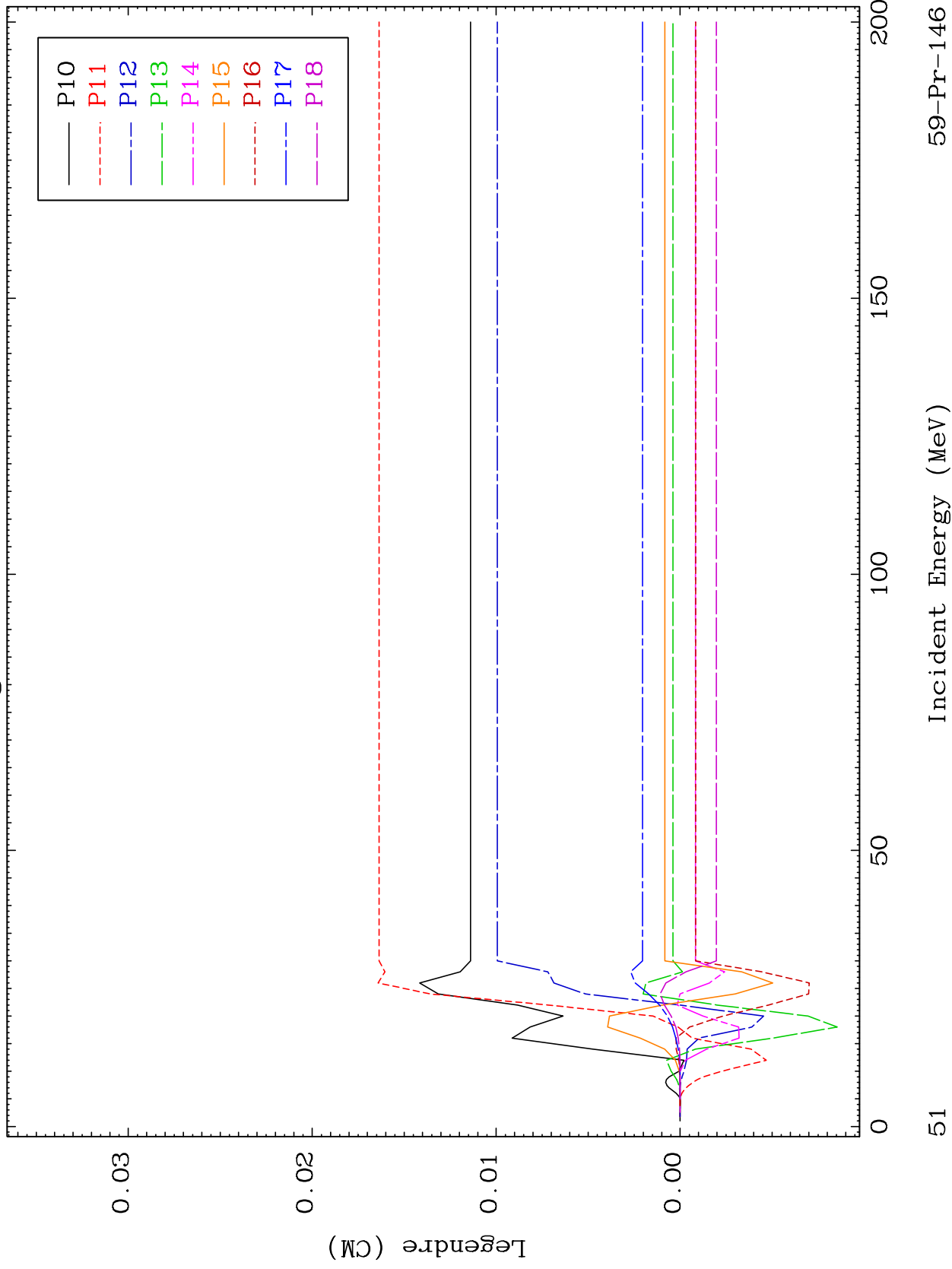


59-Pr-146

MAT 5940

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

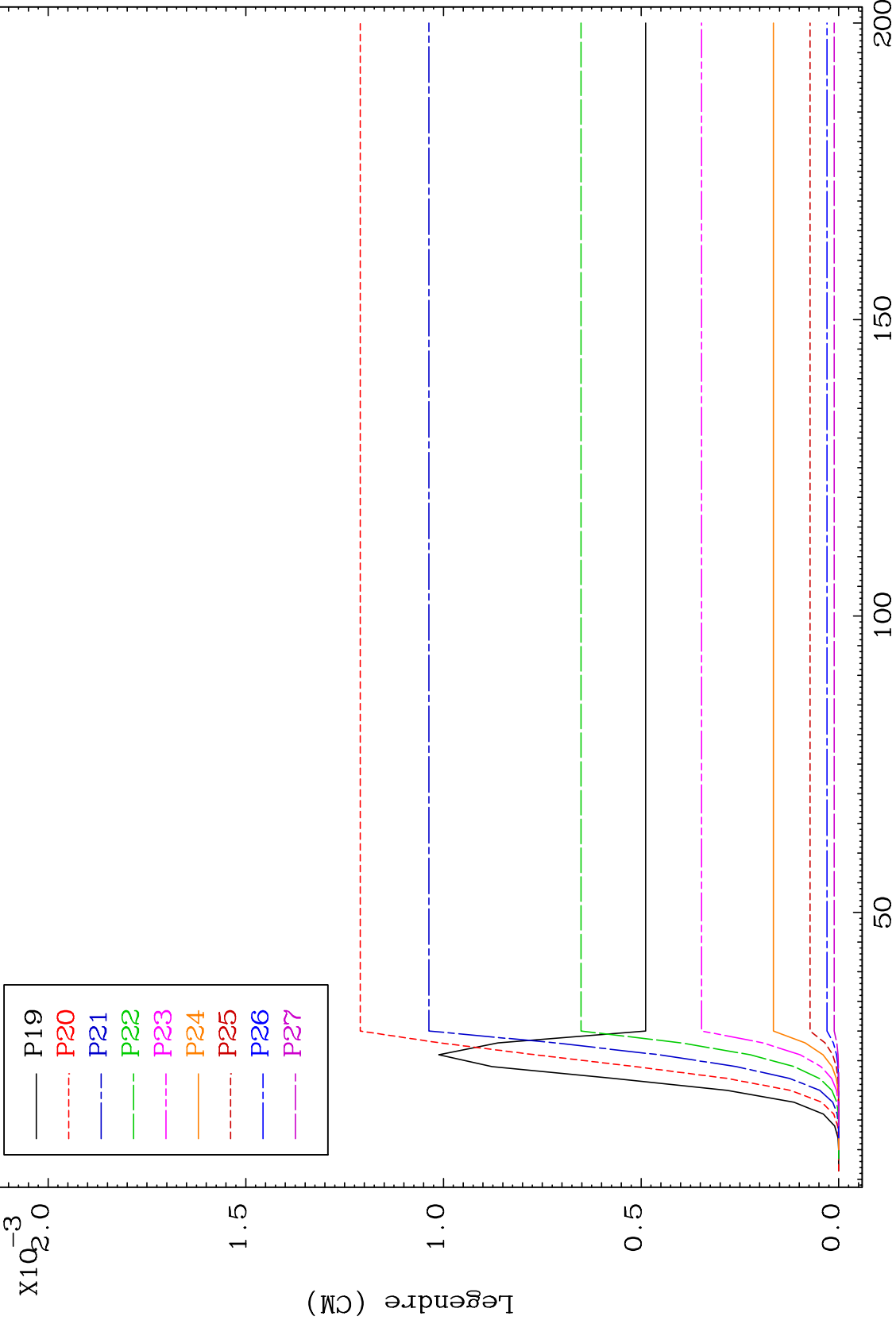
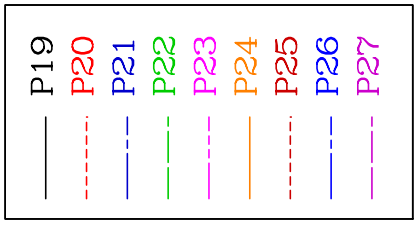
59-Pr-146



MAT 5940

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

59-Pr-146



52

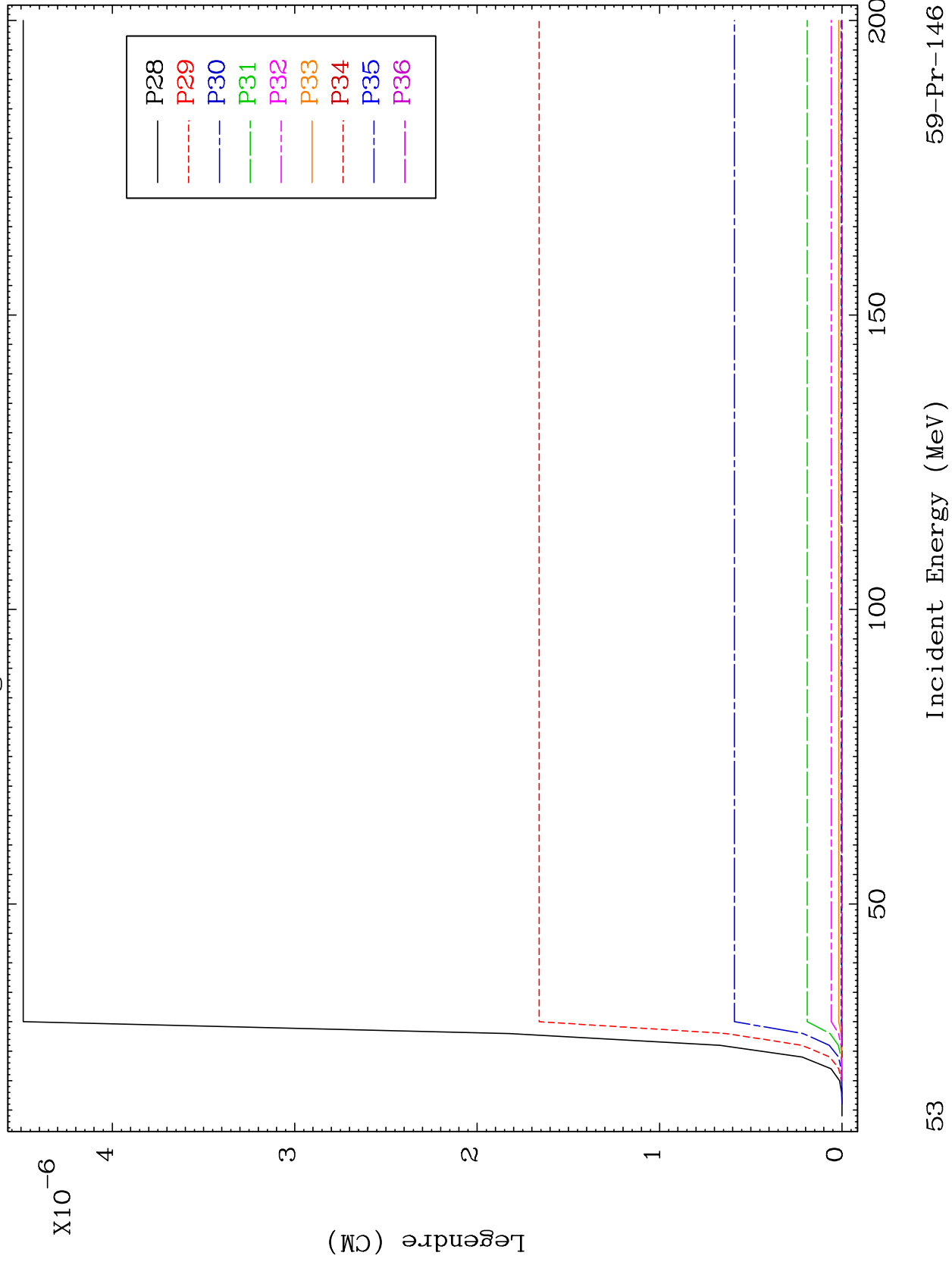
Incident Energy (MeV)

59-Pr-146

MAT 5940

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

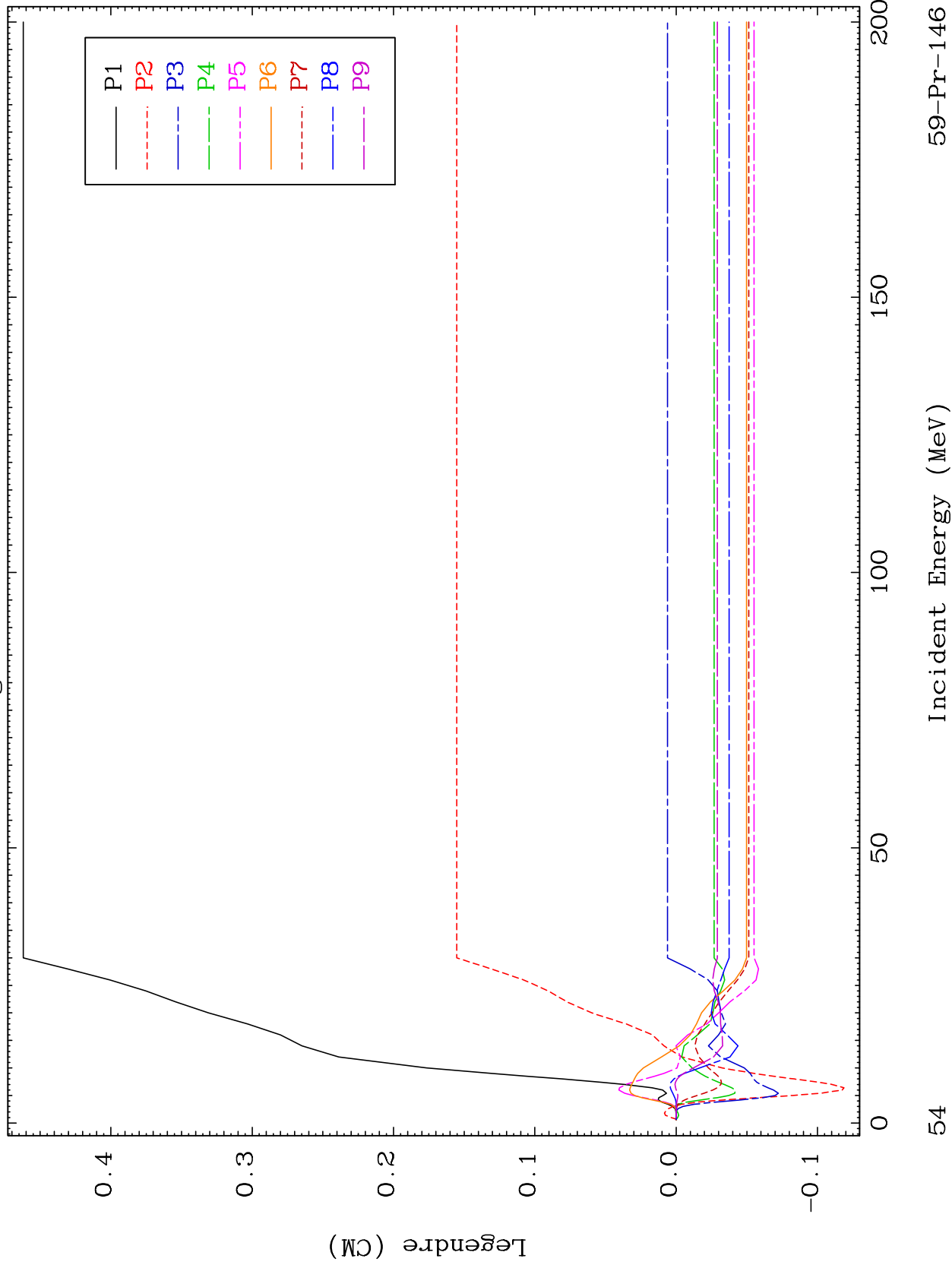
59-Pr-146



MAT 5940

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

59-Pr-146



59-Pr-146

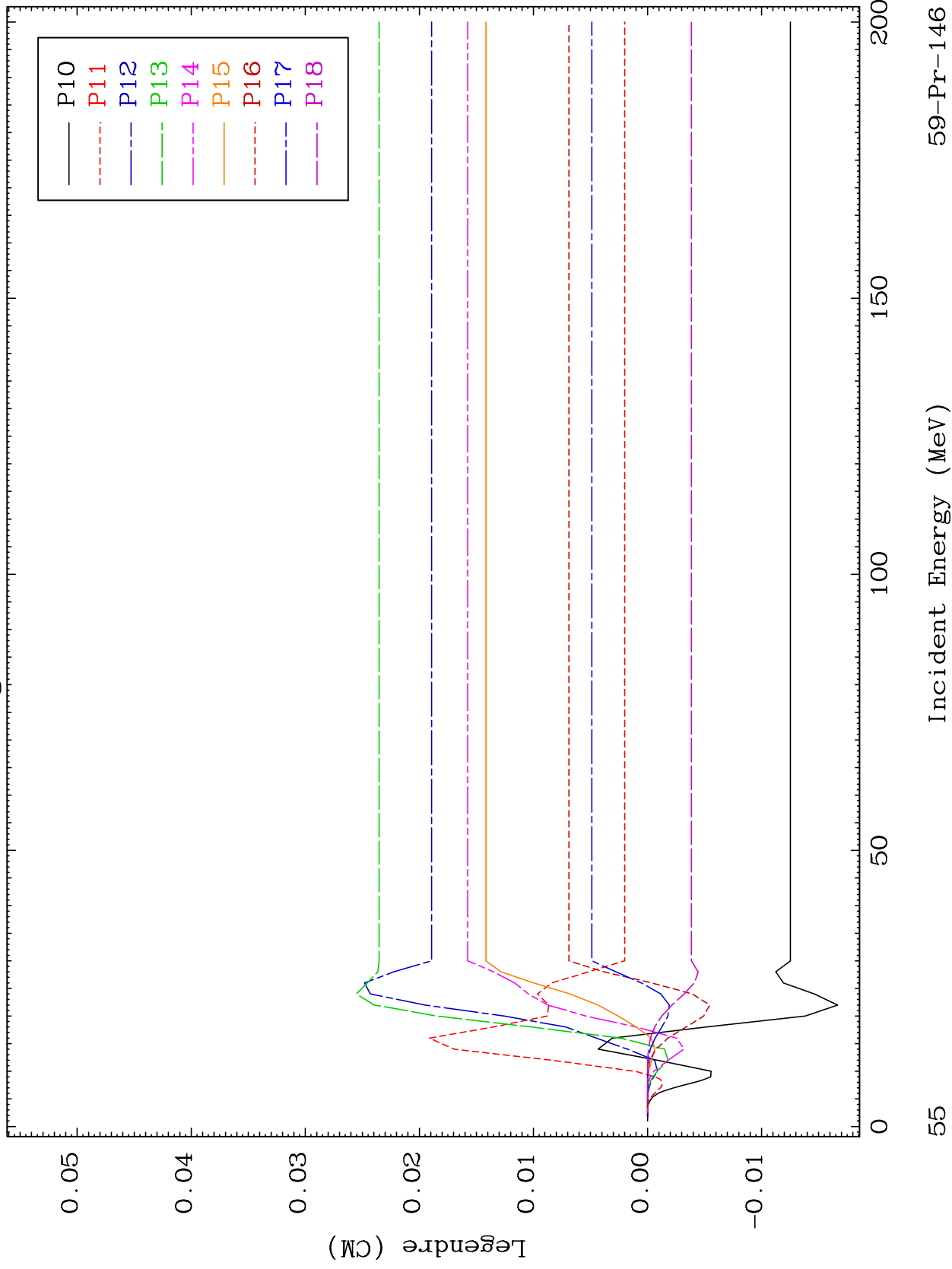
Incident Energy (MeV)

54

MAT 5940

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

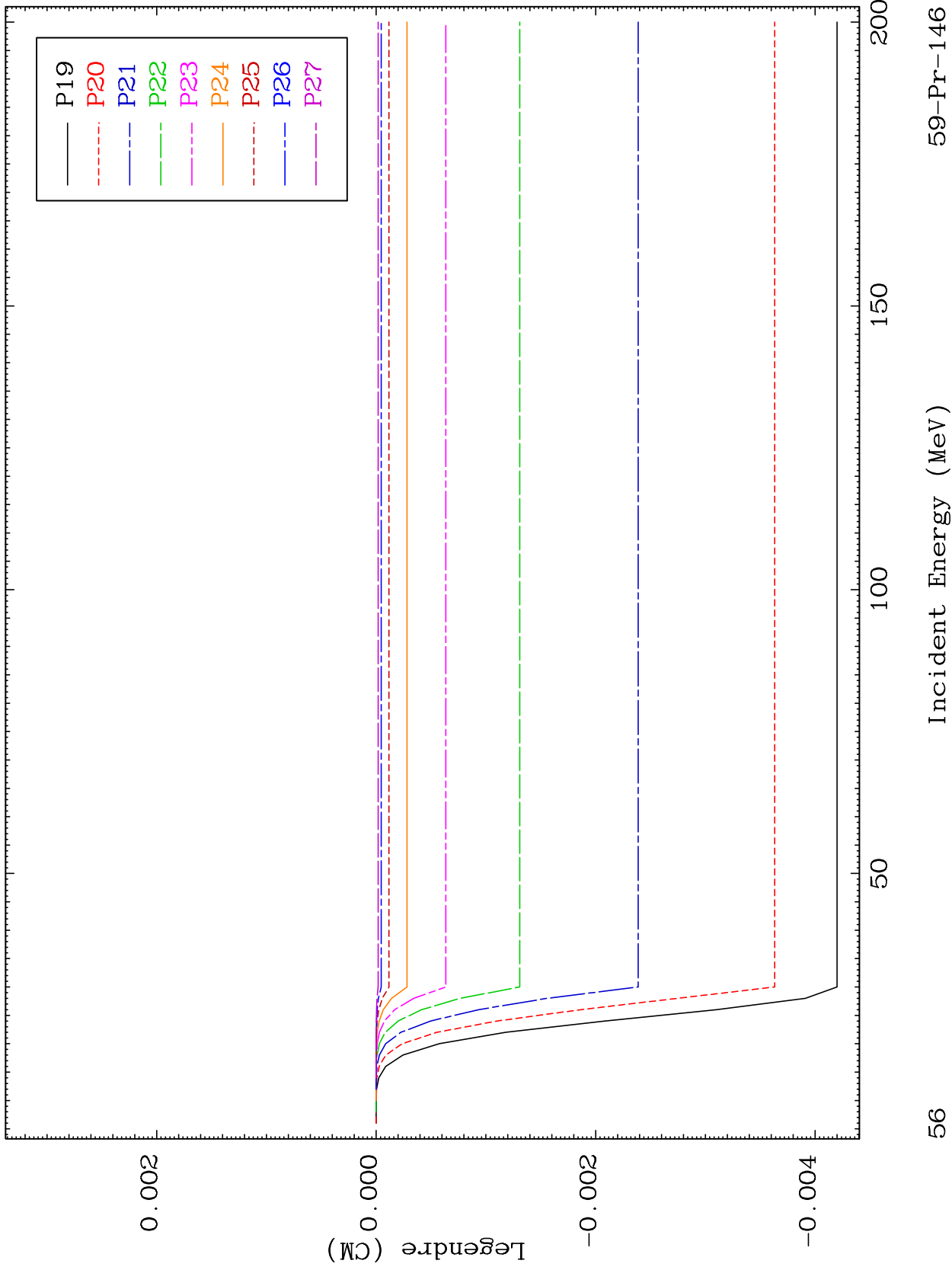
59-Pr-146



59-Pr-146

Incident Energy (MeV)

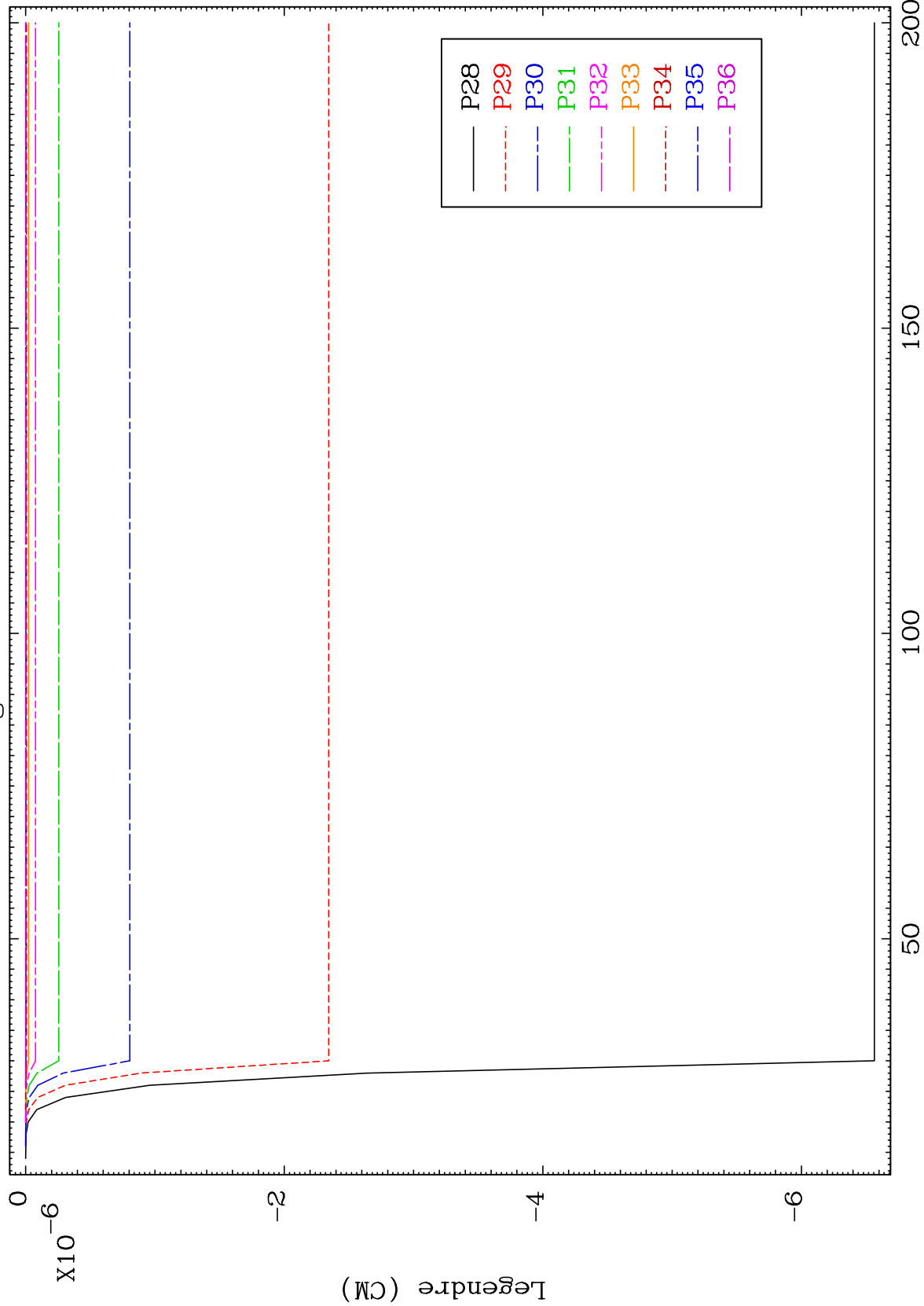
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MAT 5940

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

59-Pr-146



57

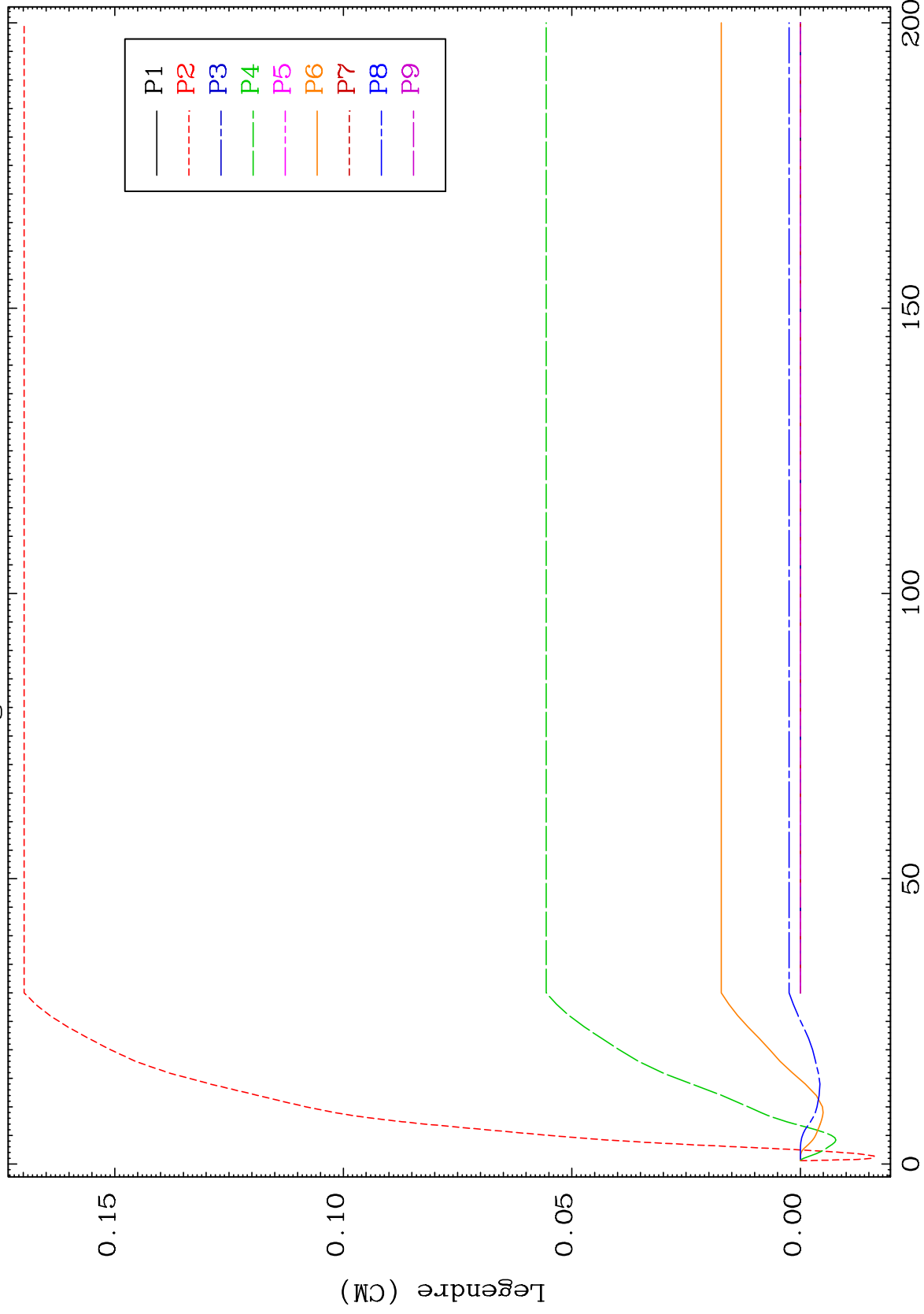
Incident Energy (MeV)

59-Pr-146

MAT 5940

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

59-Pr-146



58

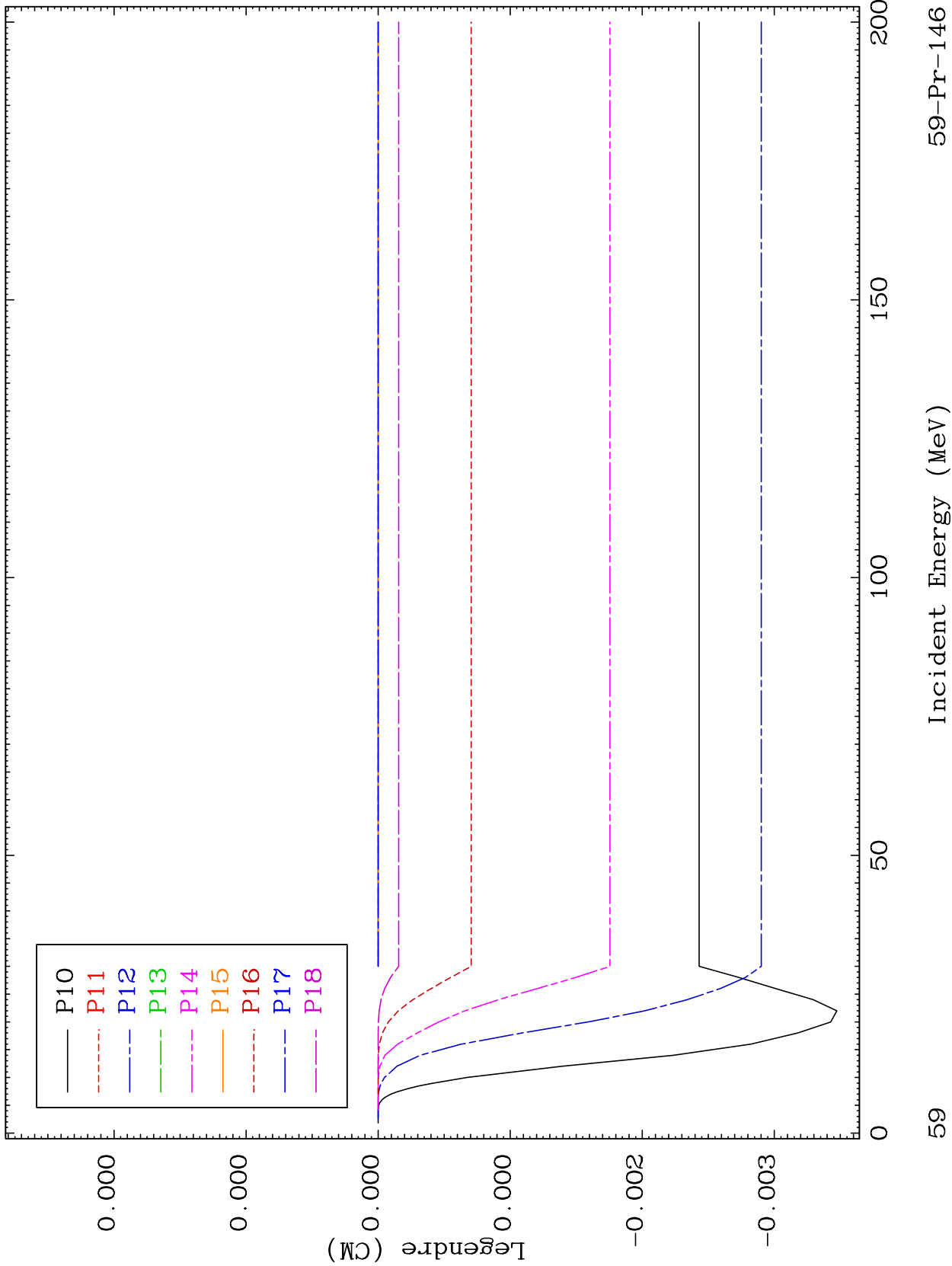
Incident Energy (MeV)

59-Pr-146

MAT 5940

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

59-Pr-146



59

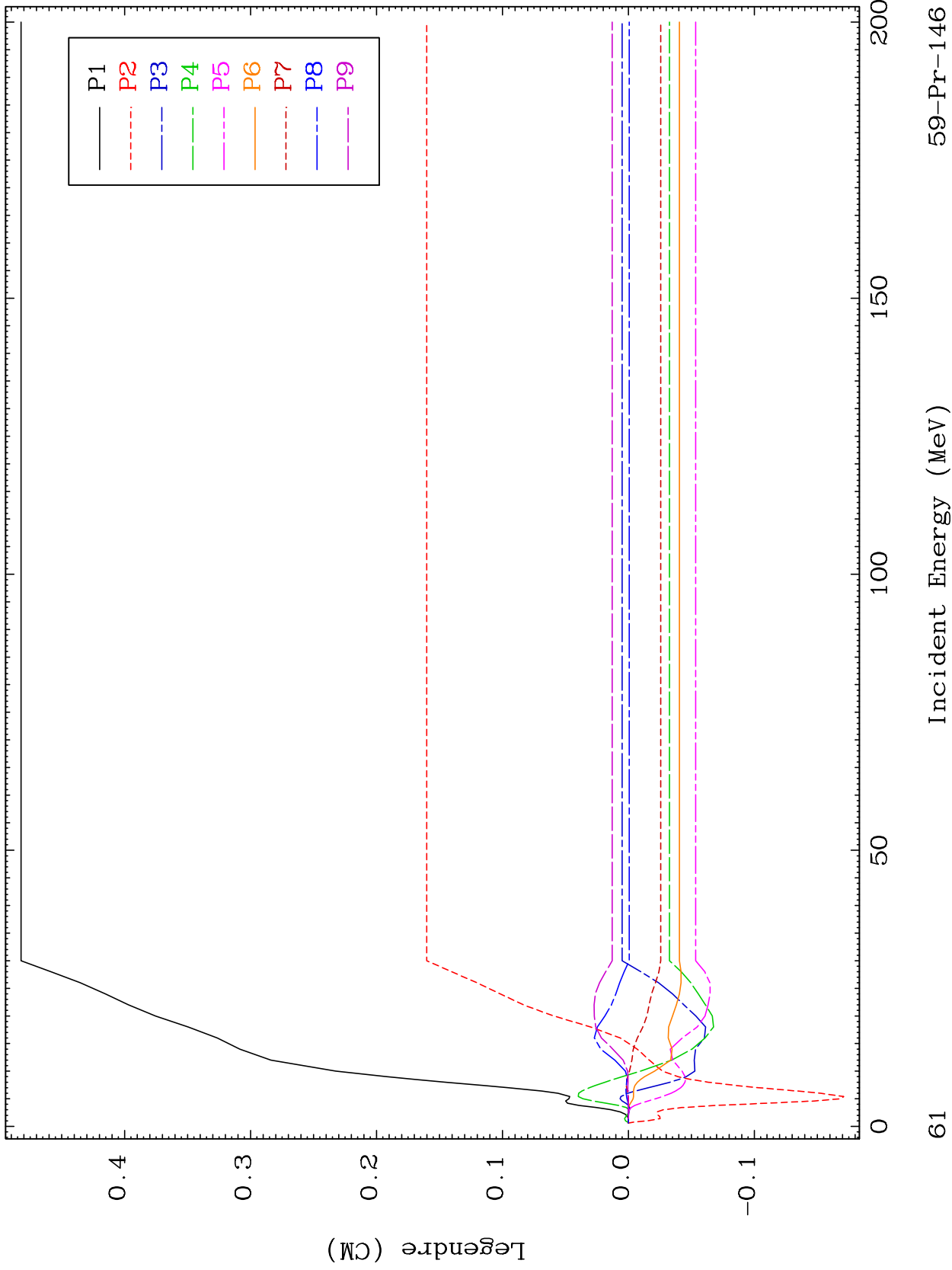
Incident Energy (MeV)

59-Pr-146

MAT 5940

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

59-Pr-146



59-Pr-146

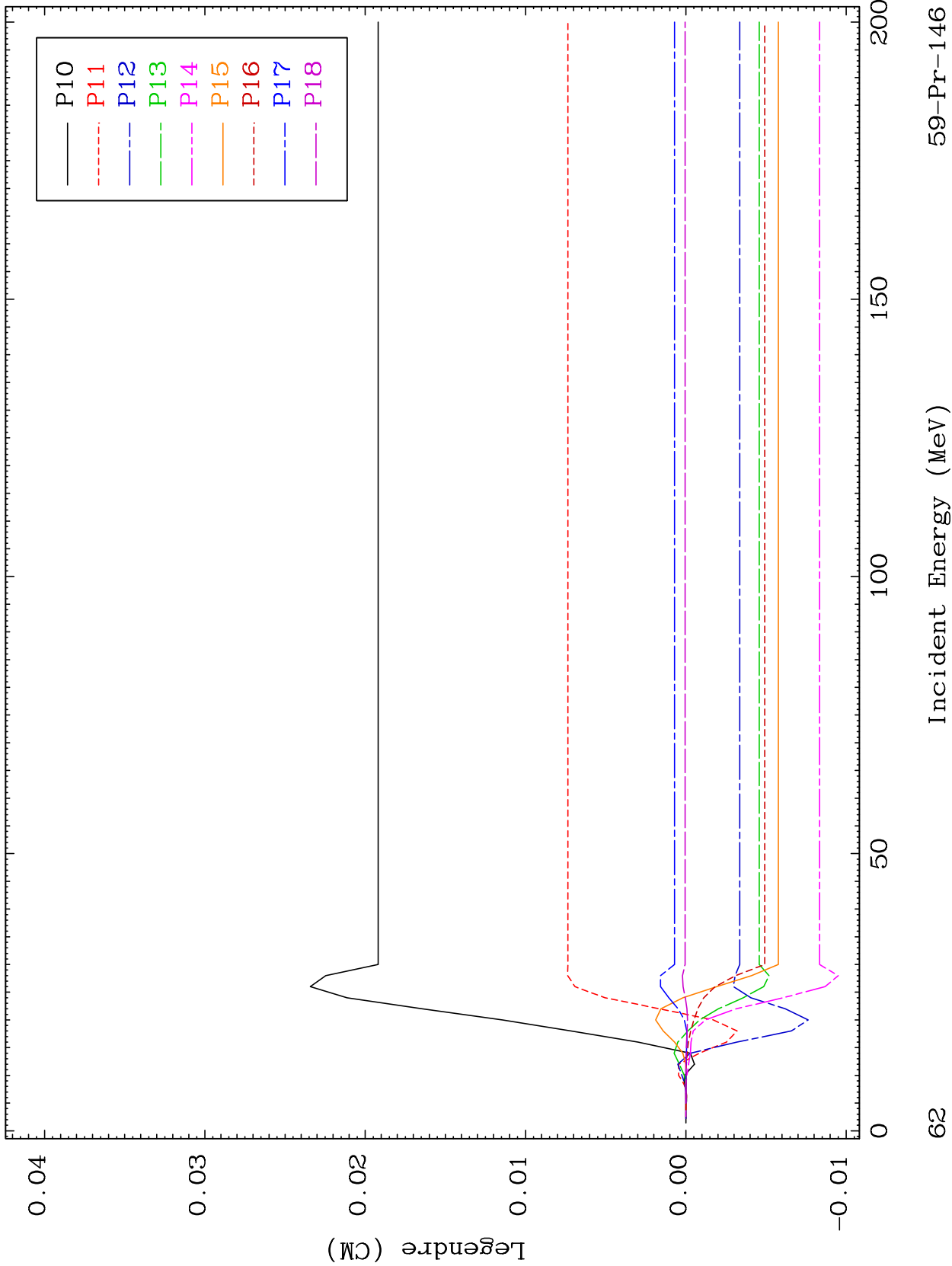
Incident Energy (MeV)

61

MAT 5940

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

59-Pr-146



59-Pr-146

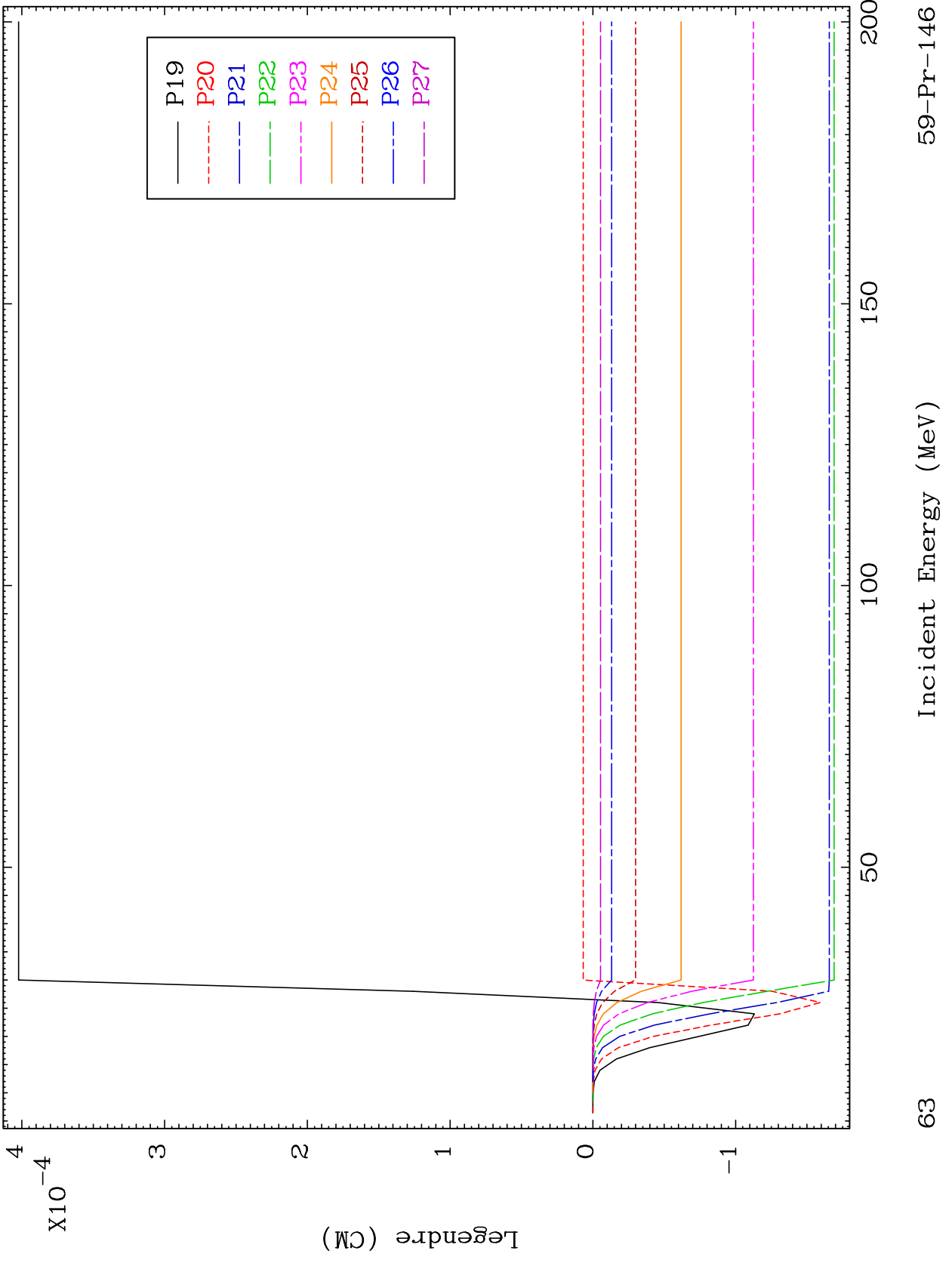
Incident Energy (MeV)

62

MAT 5940

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

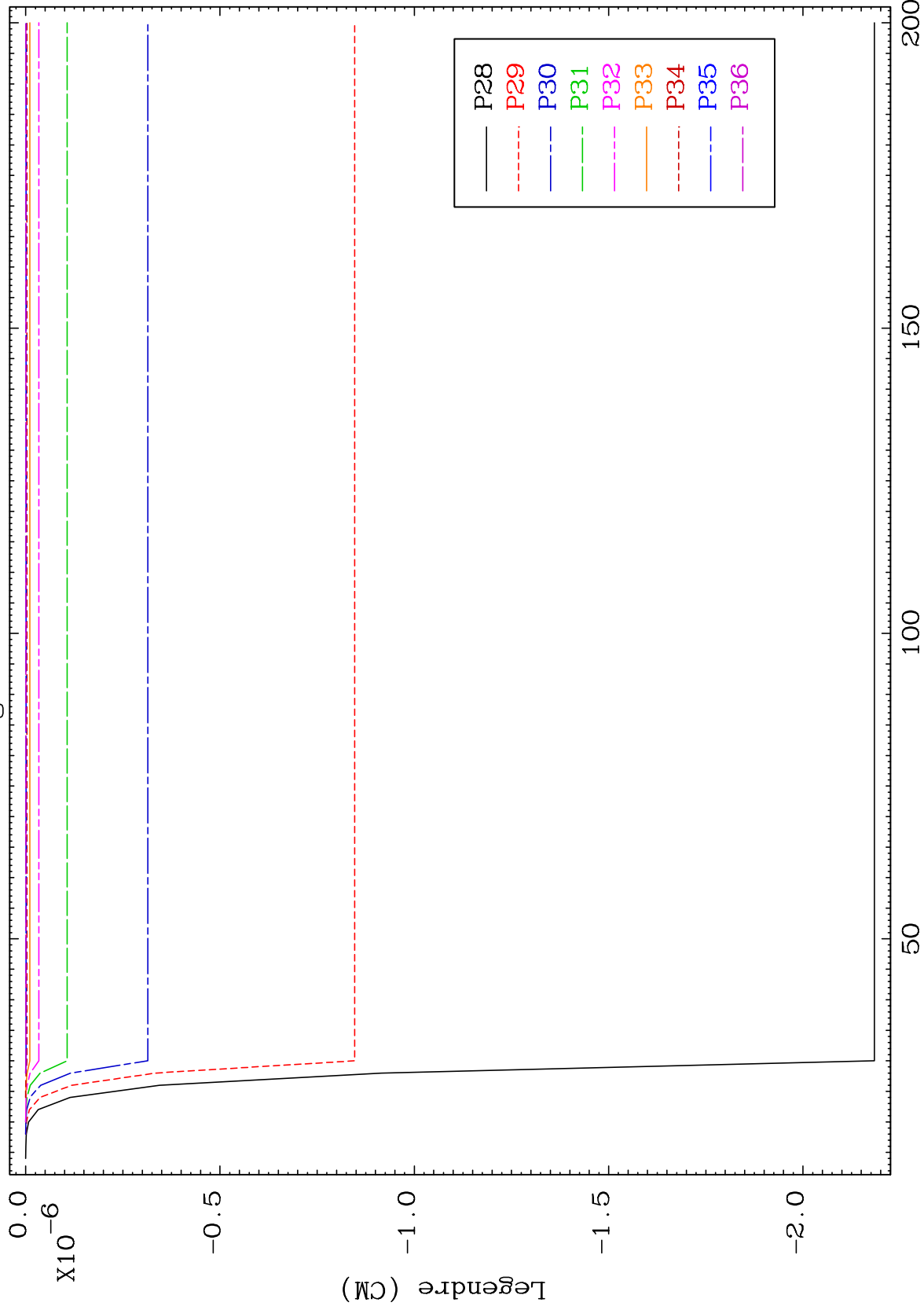
59-Pr-146



MAT 5940

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

59-Pr-146



64

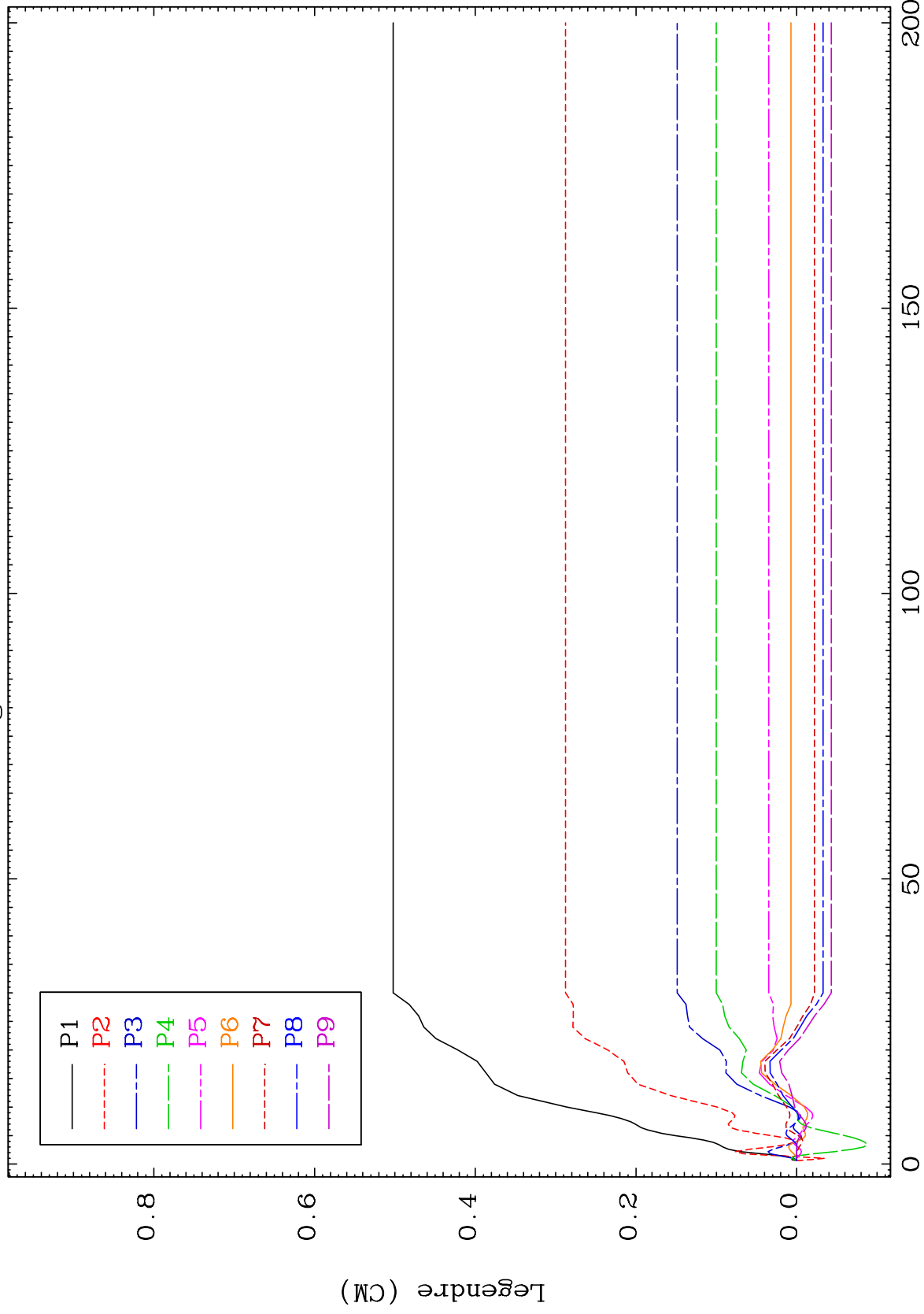
Incident Energy (MeV)

59-Pr-146

MAT 5940

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

59-Pr-146



65

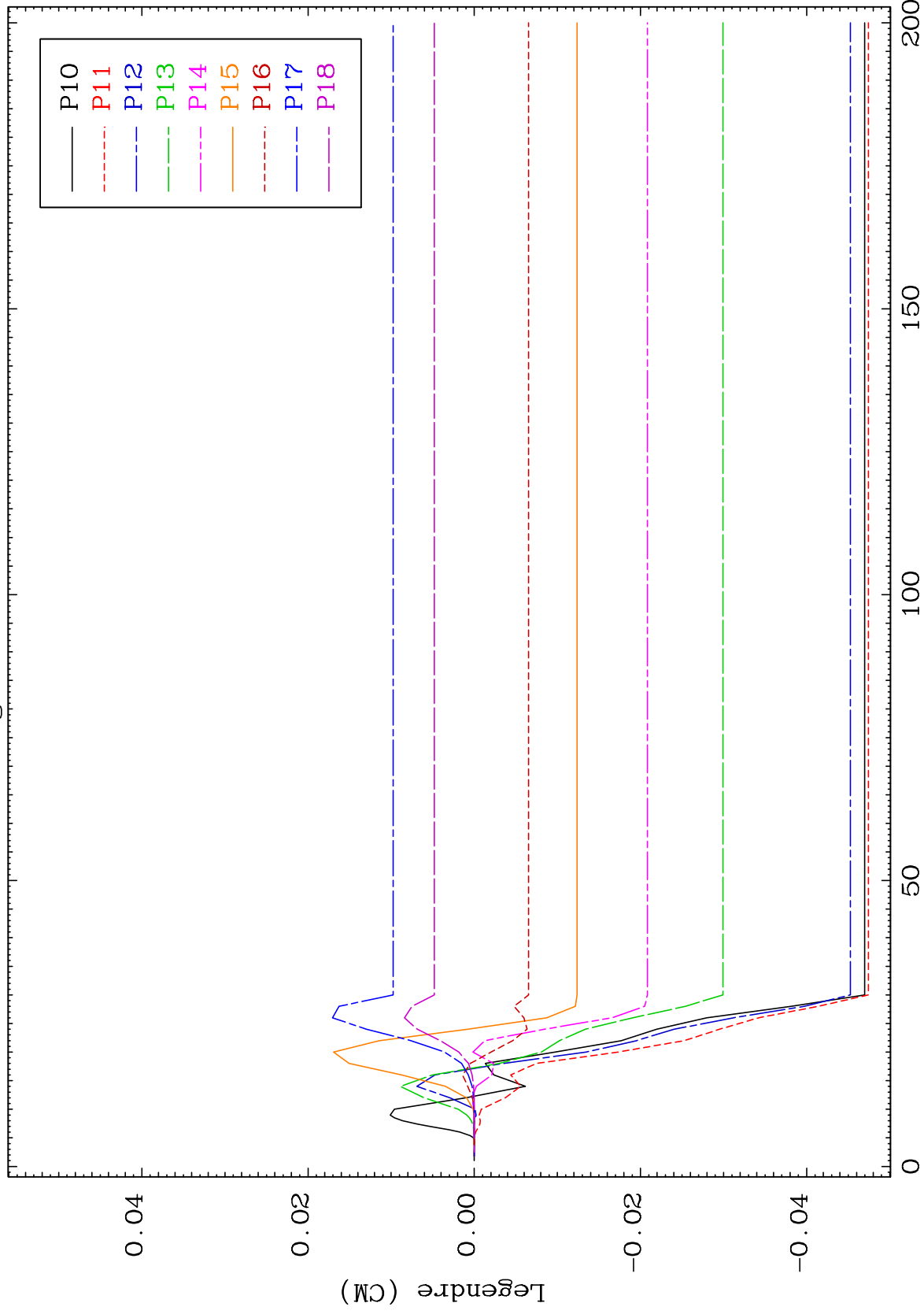
Incident Energy (MeV)

59-Pr-146

MAT 5940

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

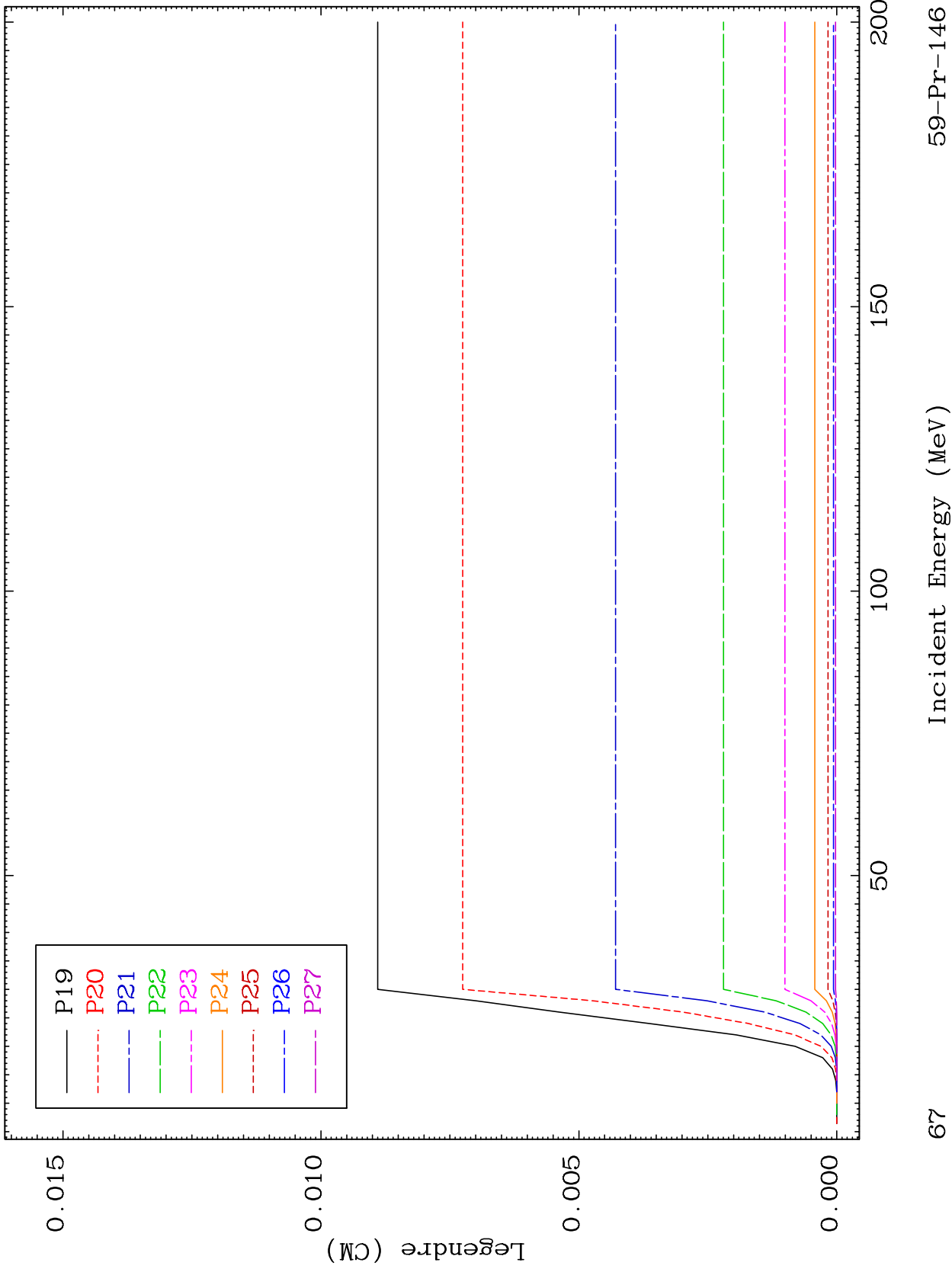
59-Pr-146



66

Incident Energy (MeV)

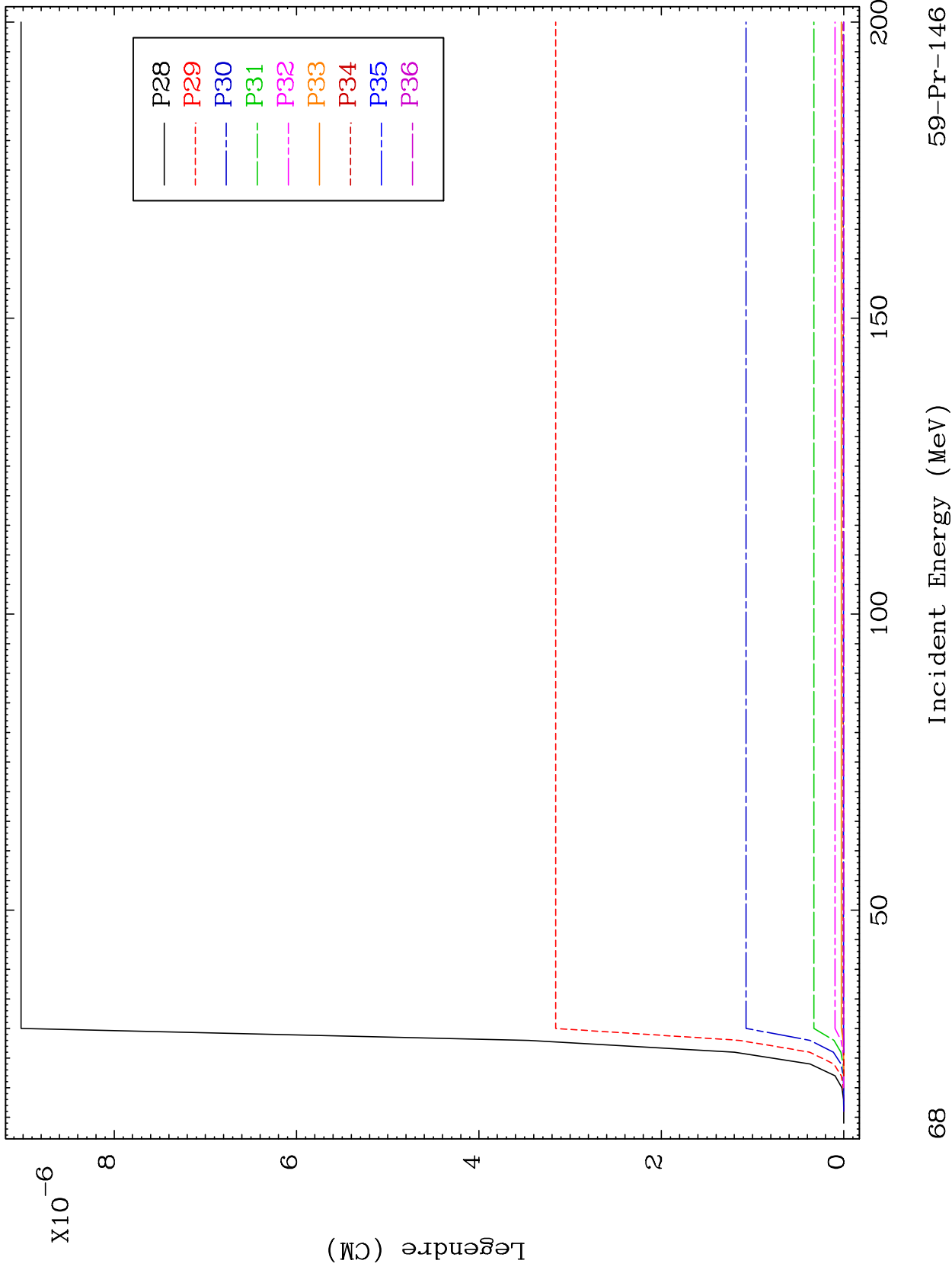
59-Pr-146



MAT 5940

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

59-Pr-146



68

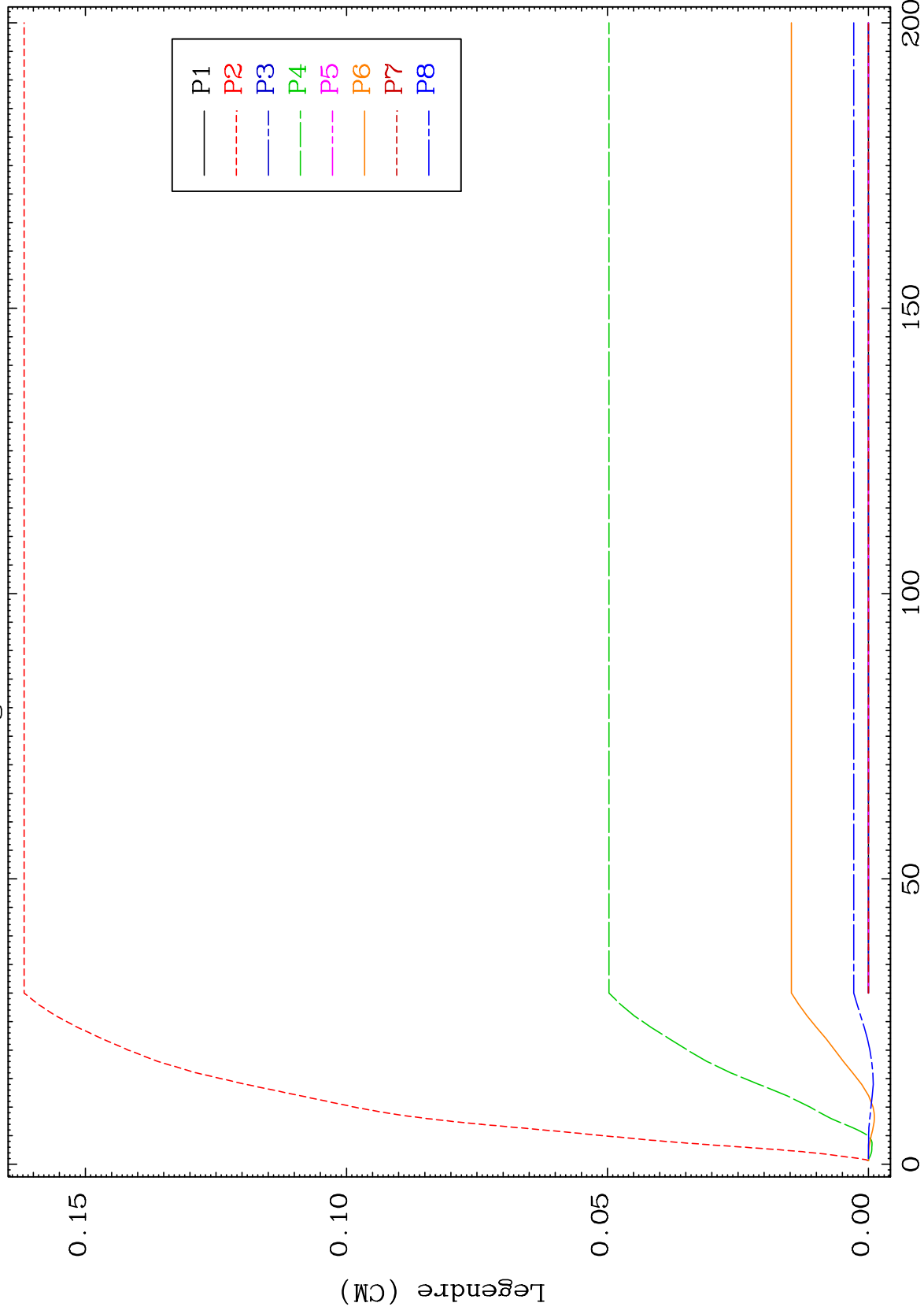
Incident Energy (MeV)

59-Pr-146

MAT 5940

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

59-Pr-146



69

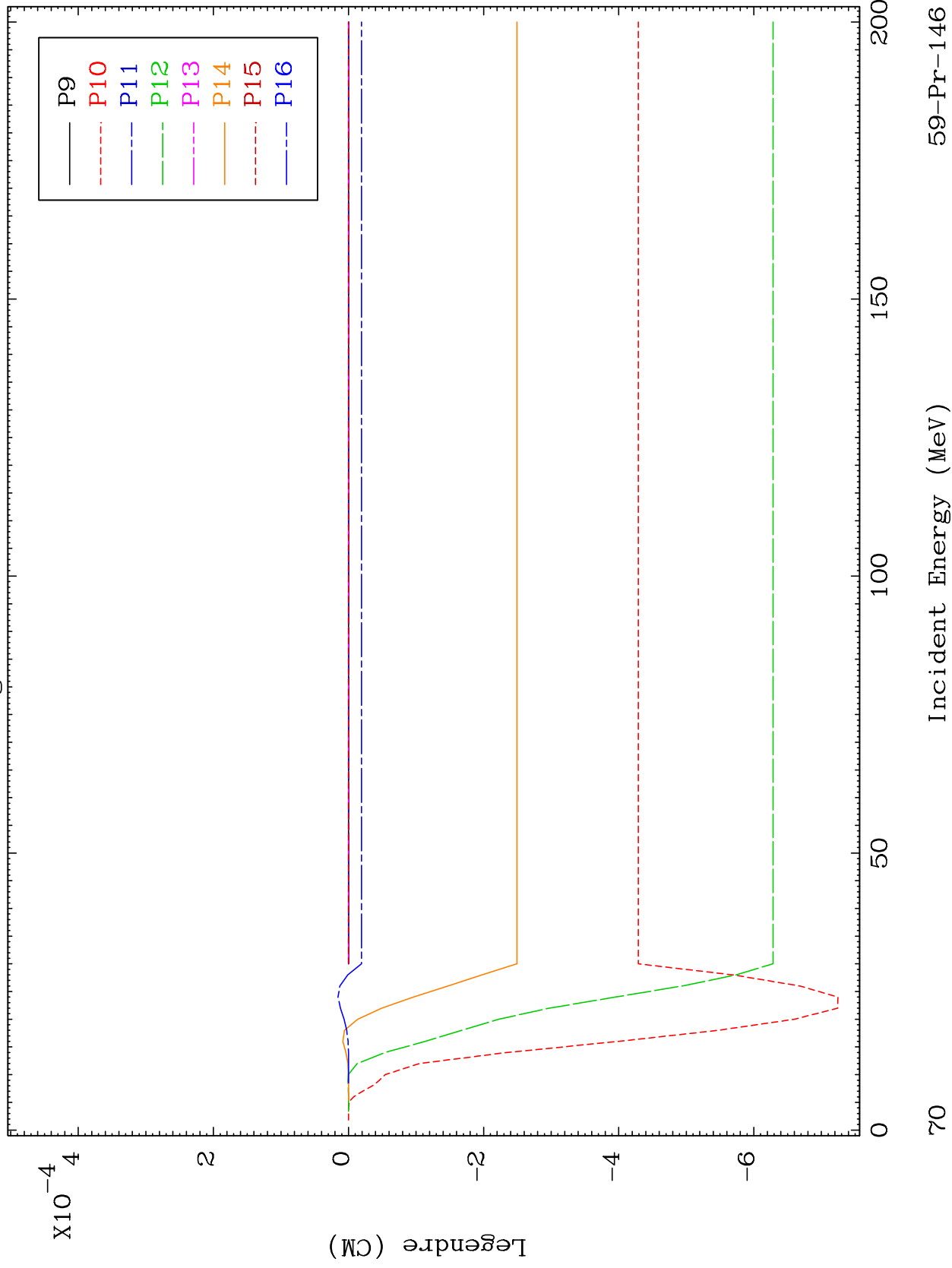
Incident Energy (MeV)

59-Pr-146

MAT 5940

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

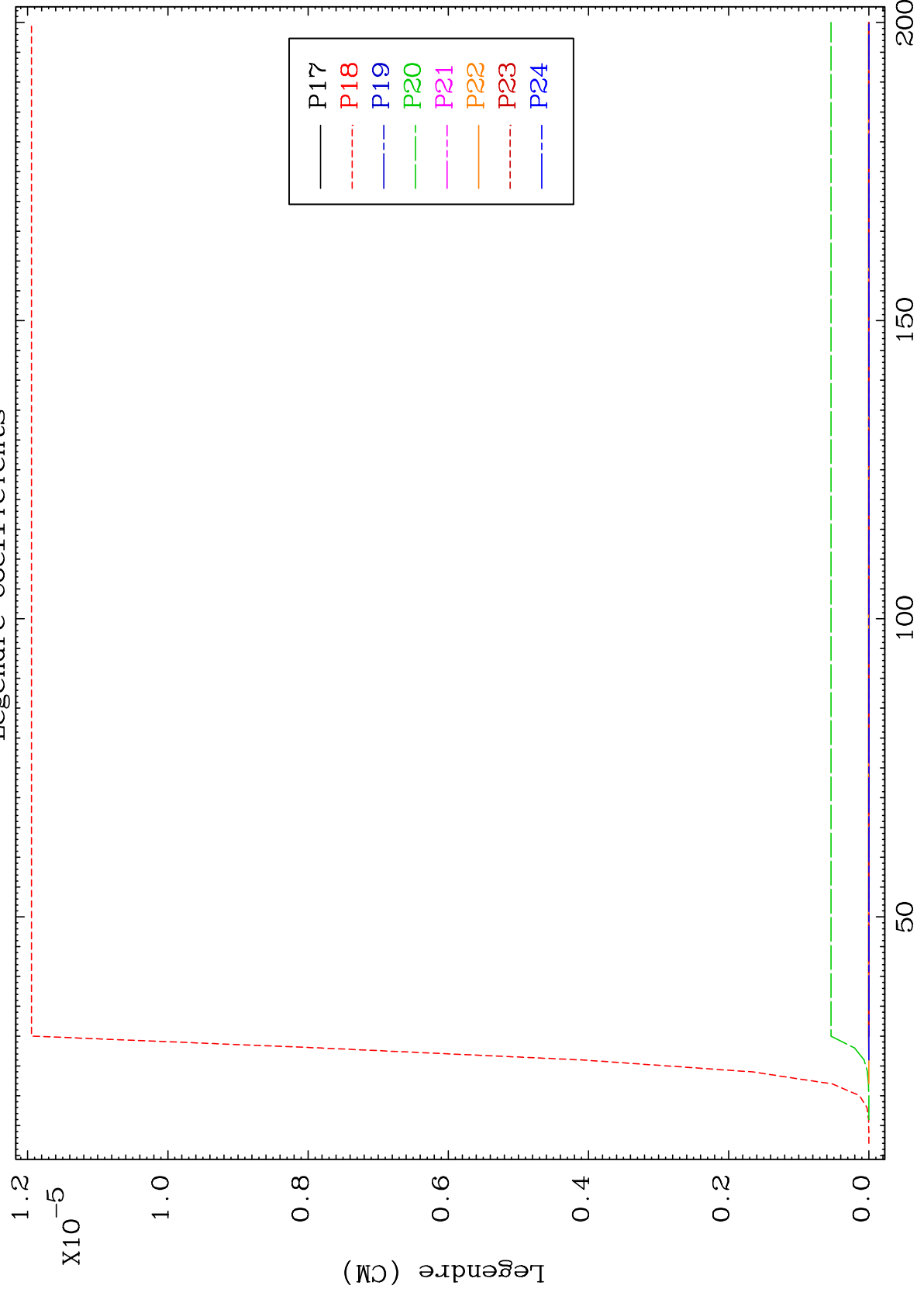
59-Pr-146

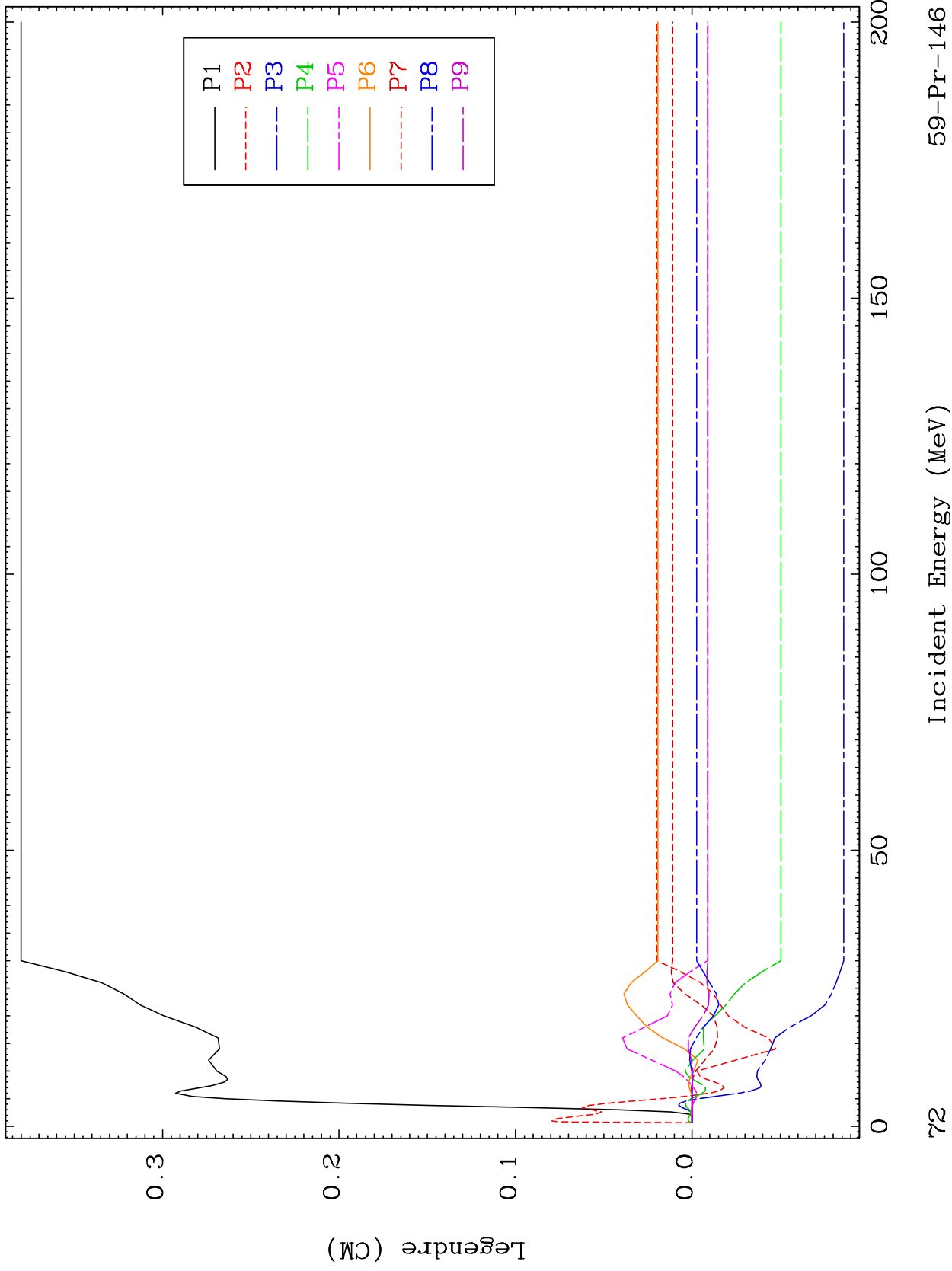


59-Pr-146

Incident Energy (MeV)

70

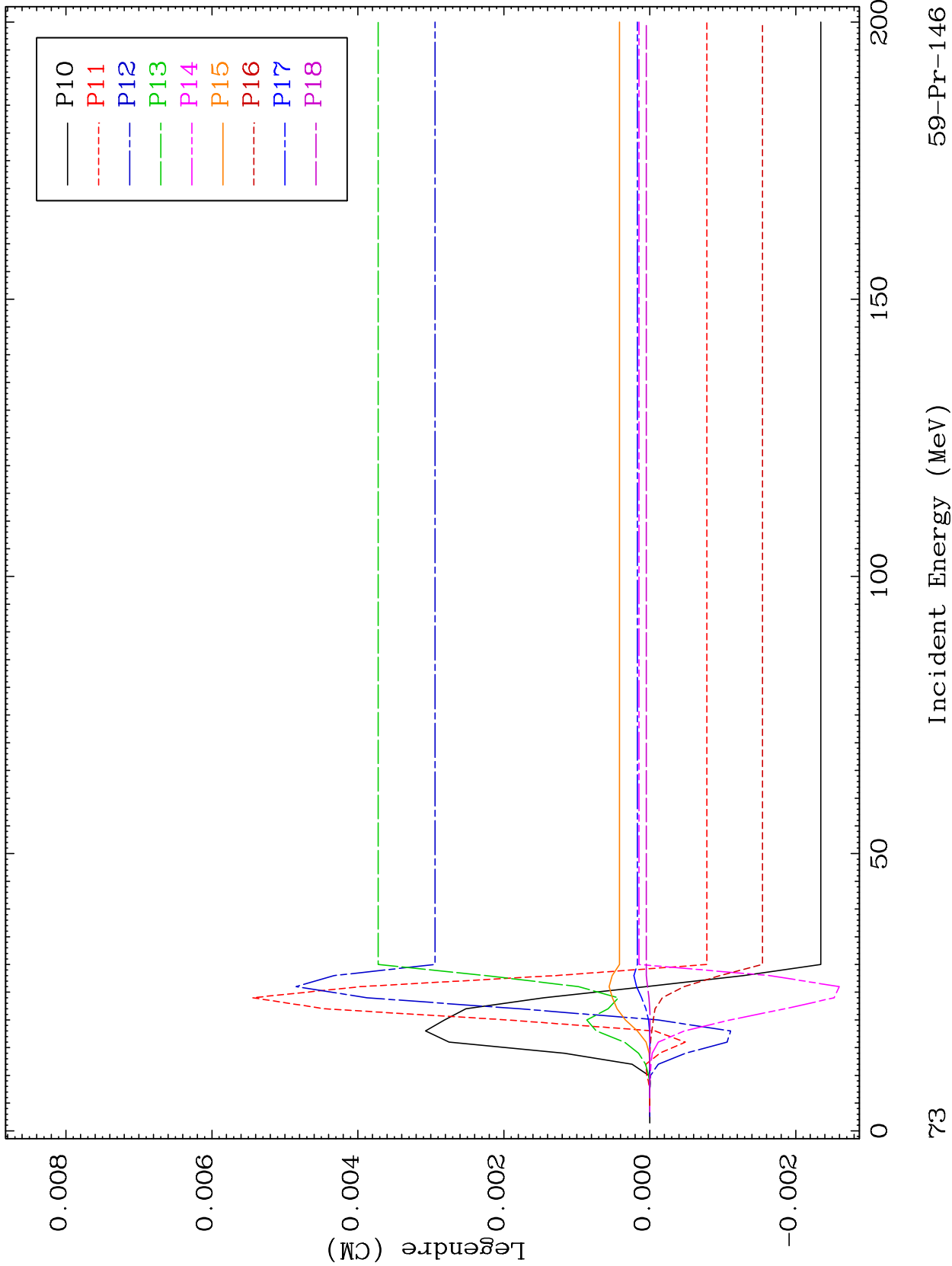




MAT 5940

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

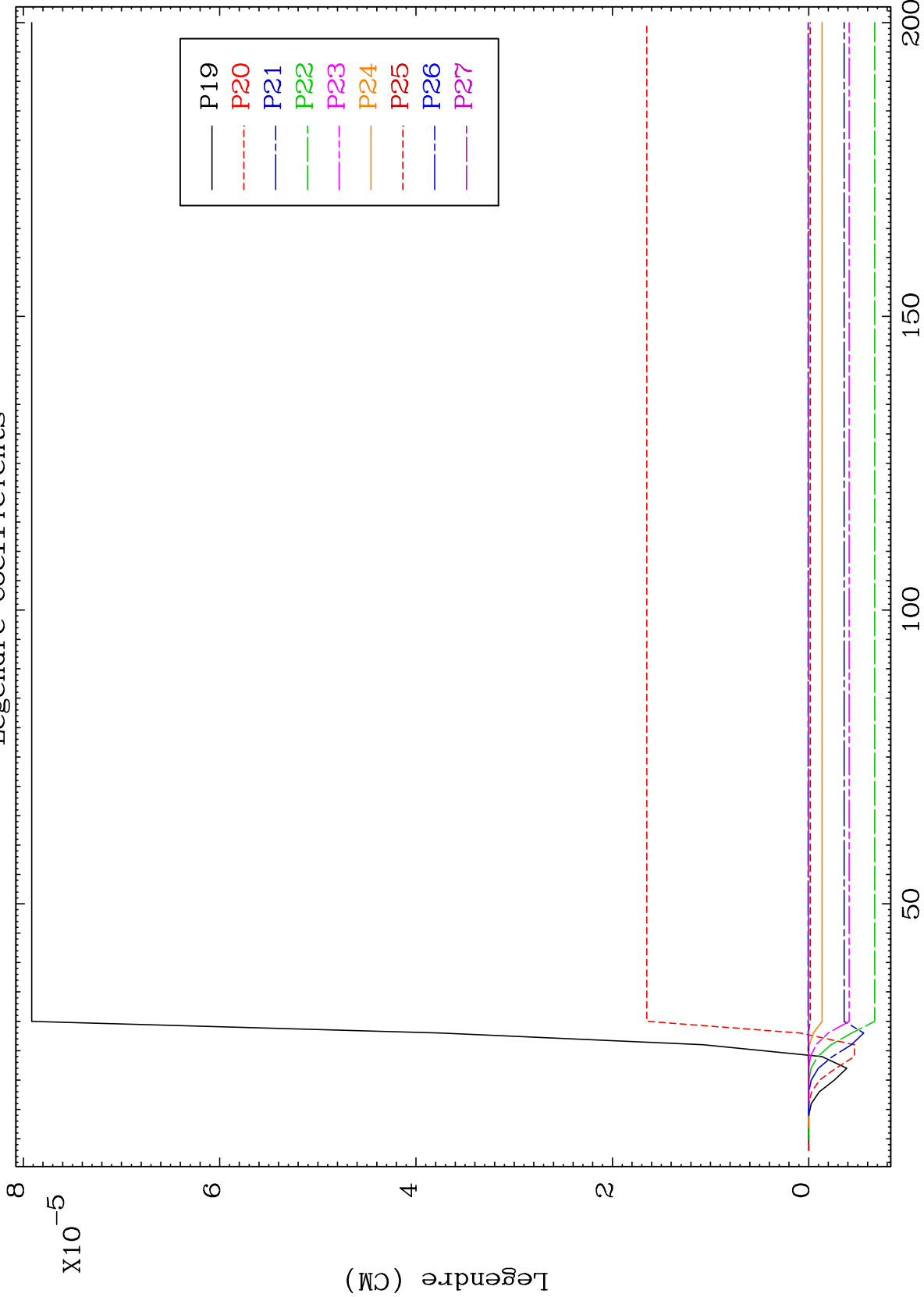
59-Pr-146



59-Pr-146

Incident Energy (MeV)

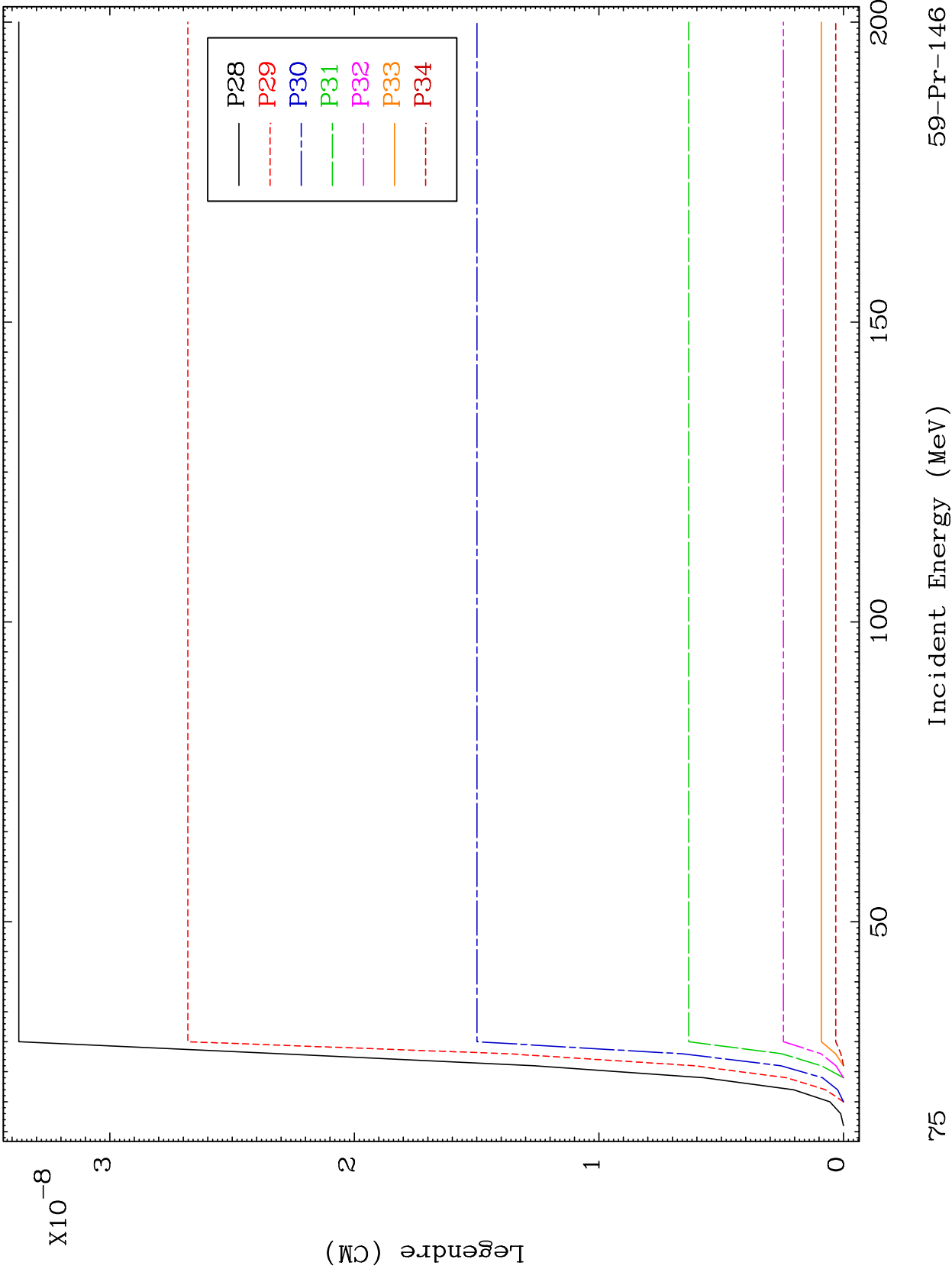
73



MAT 5940

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

59-Pr-146



75

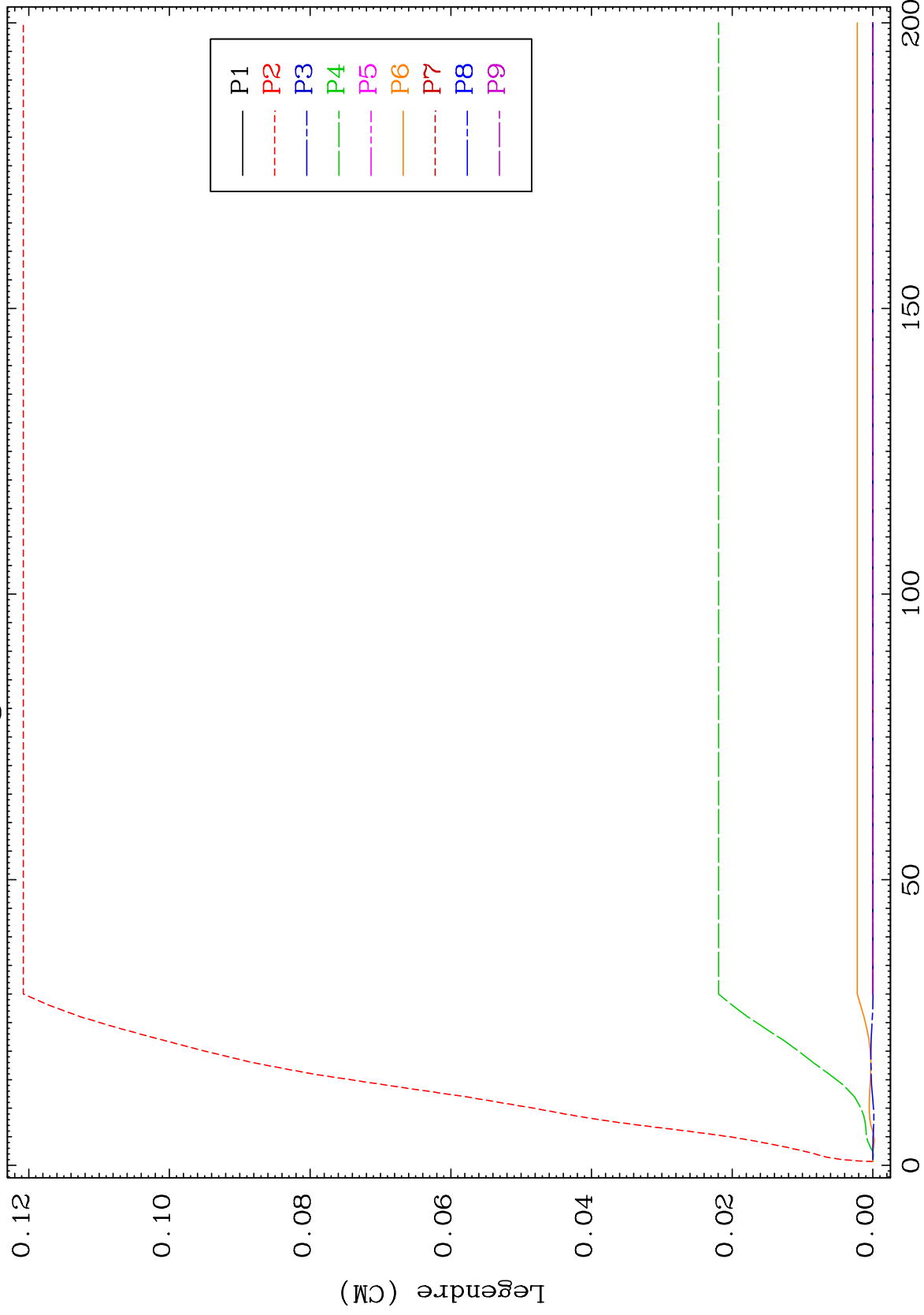
Incident Energy (MeV)

59-Pr-146

MAT 5940

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

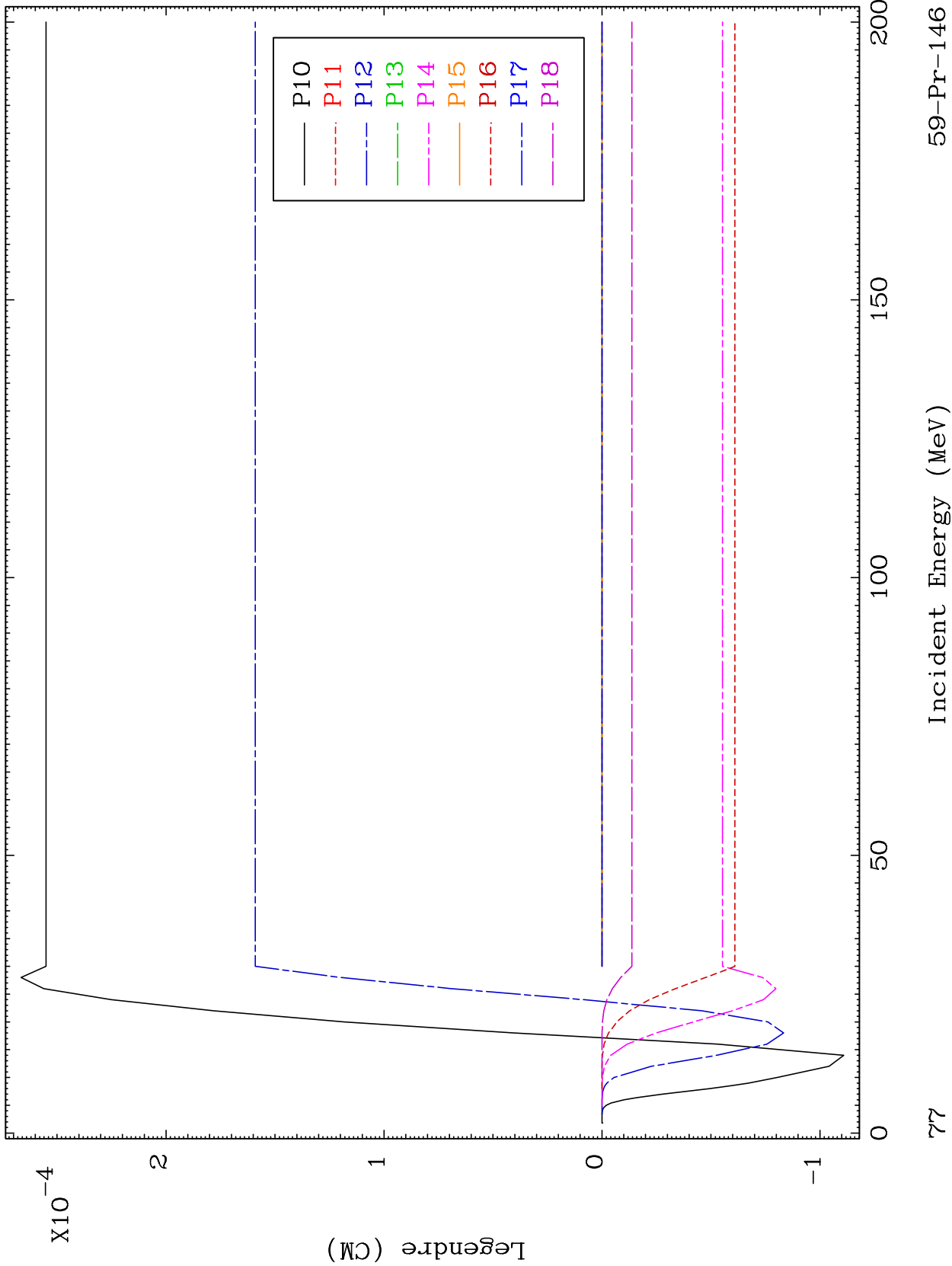
59-Pr-146



76

Incident Energy (MeV)

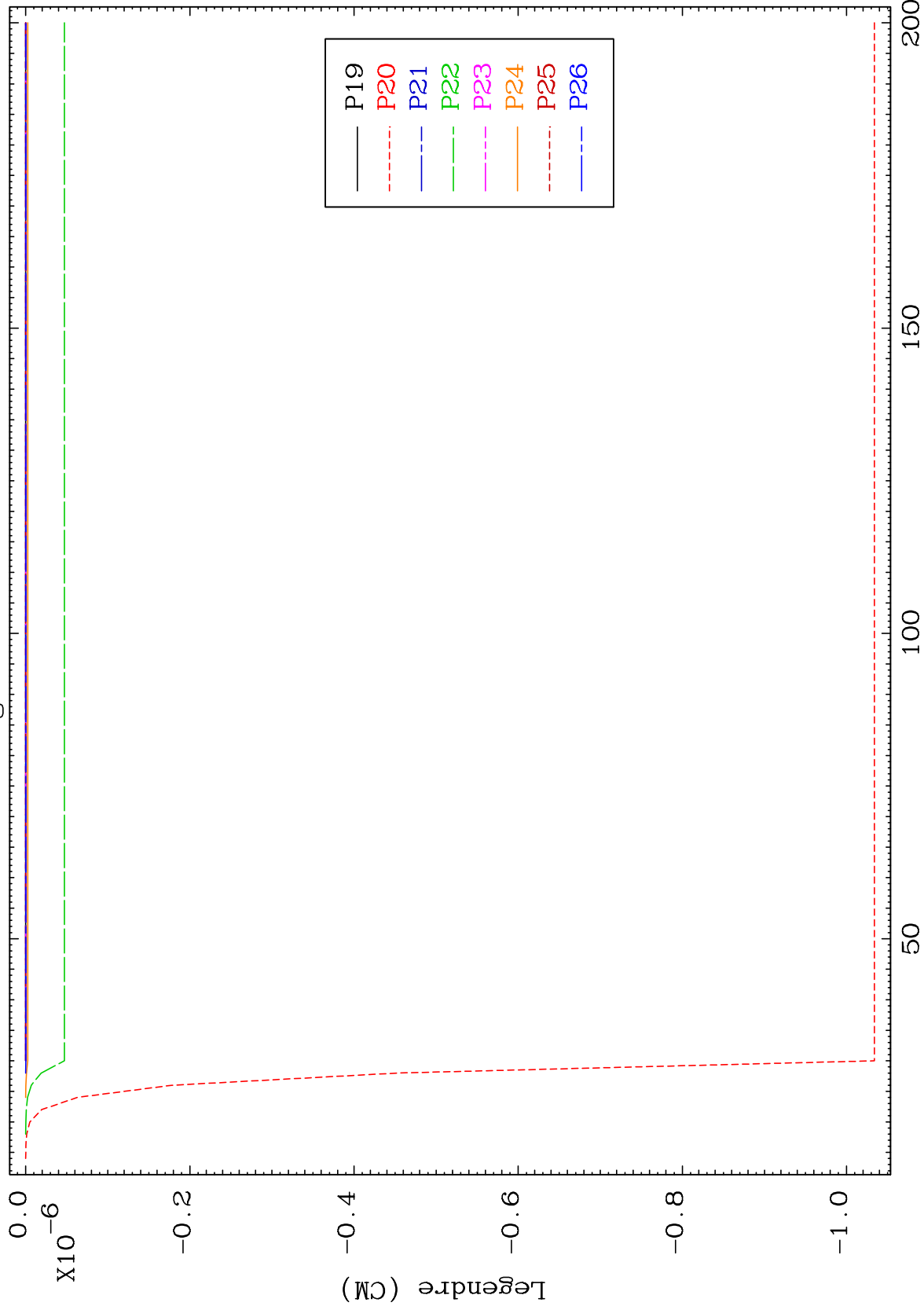
59-Pr-146



MAT 5940

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

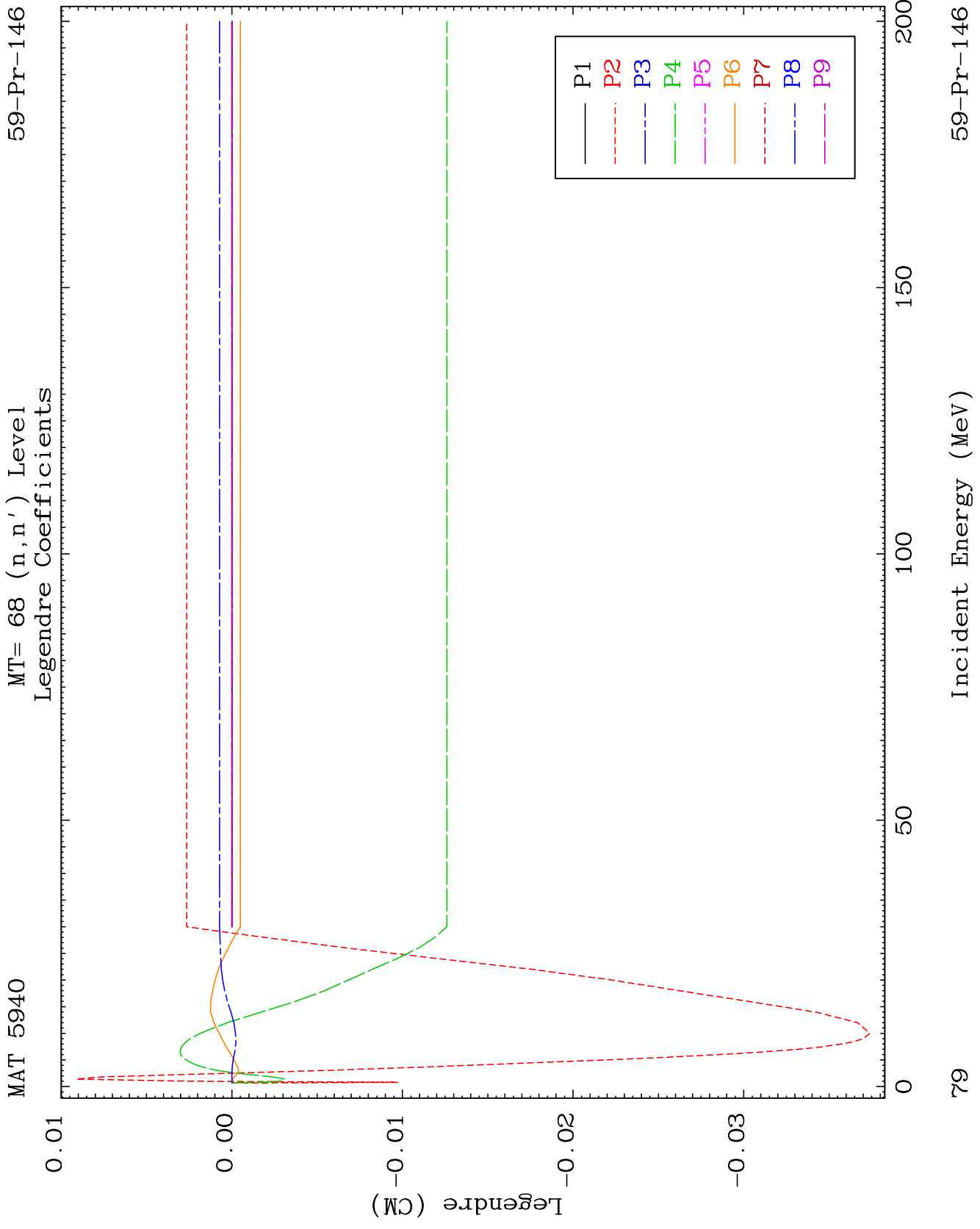
59-Pr-146



59-Pr-146

Incident Energy (MeV)

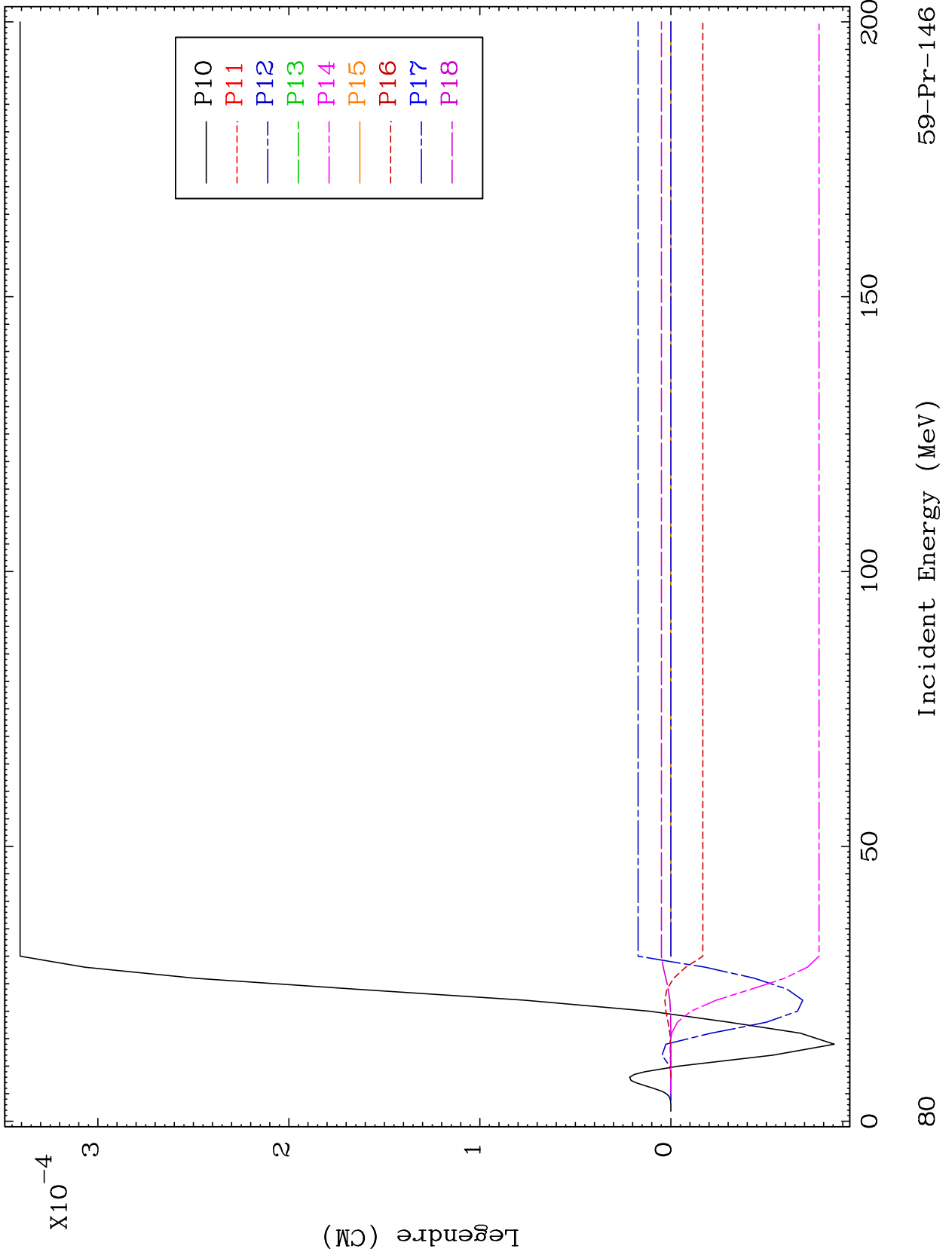
78



MAT 5940

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

59-Pr-146

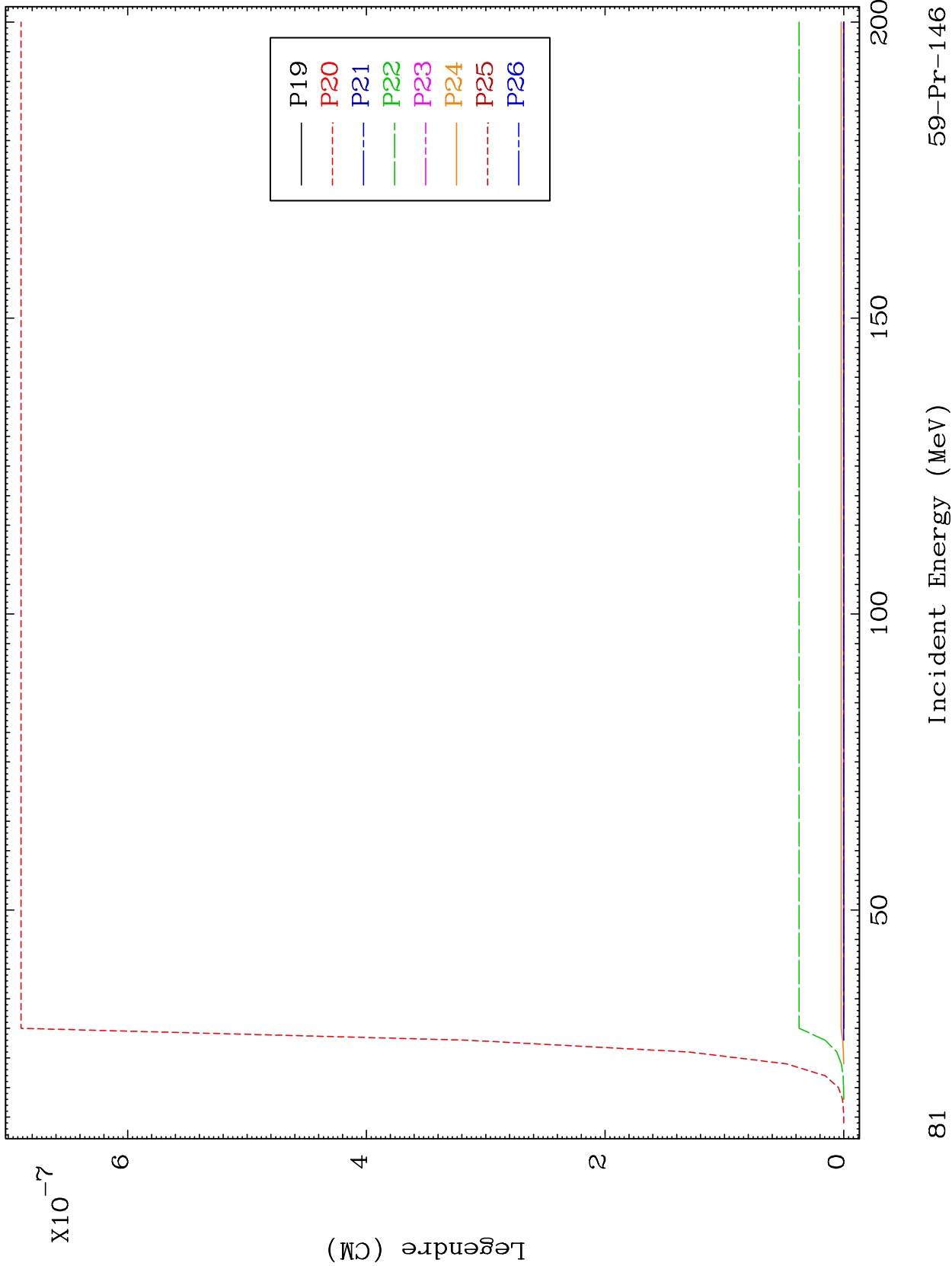


59-Pr-146

MAT 5940

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

59-Pr-146



81

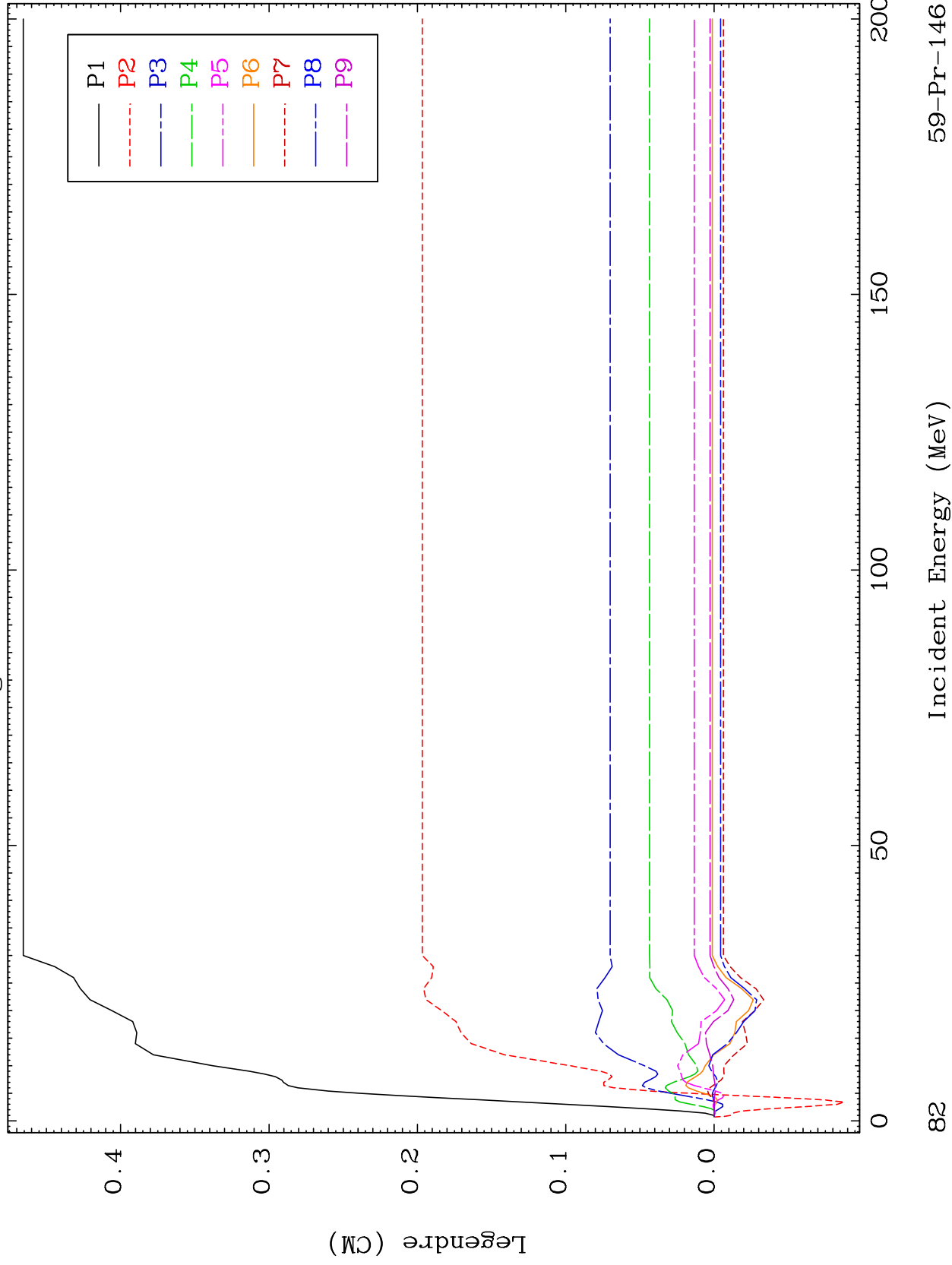
Incident Energy (MeV)

59-Pr-146

MAT 5940

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

59-Pr-146



59-Pr-146

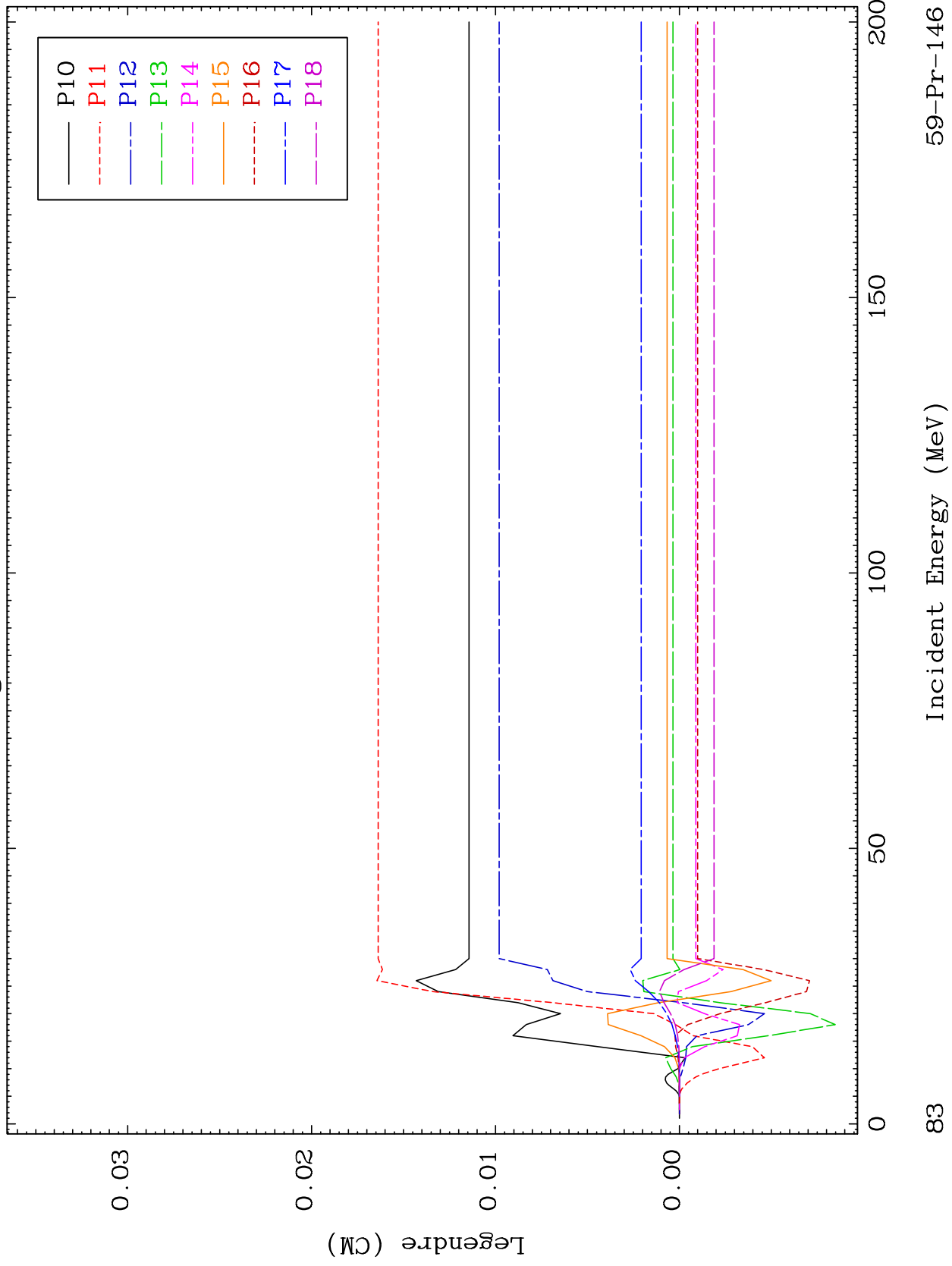
Incident Energy (MeV)

82

MAT 5940

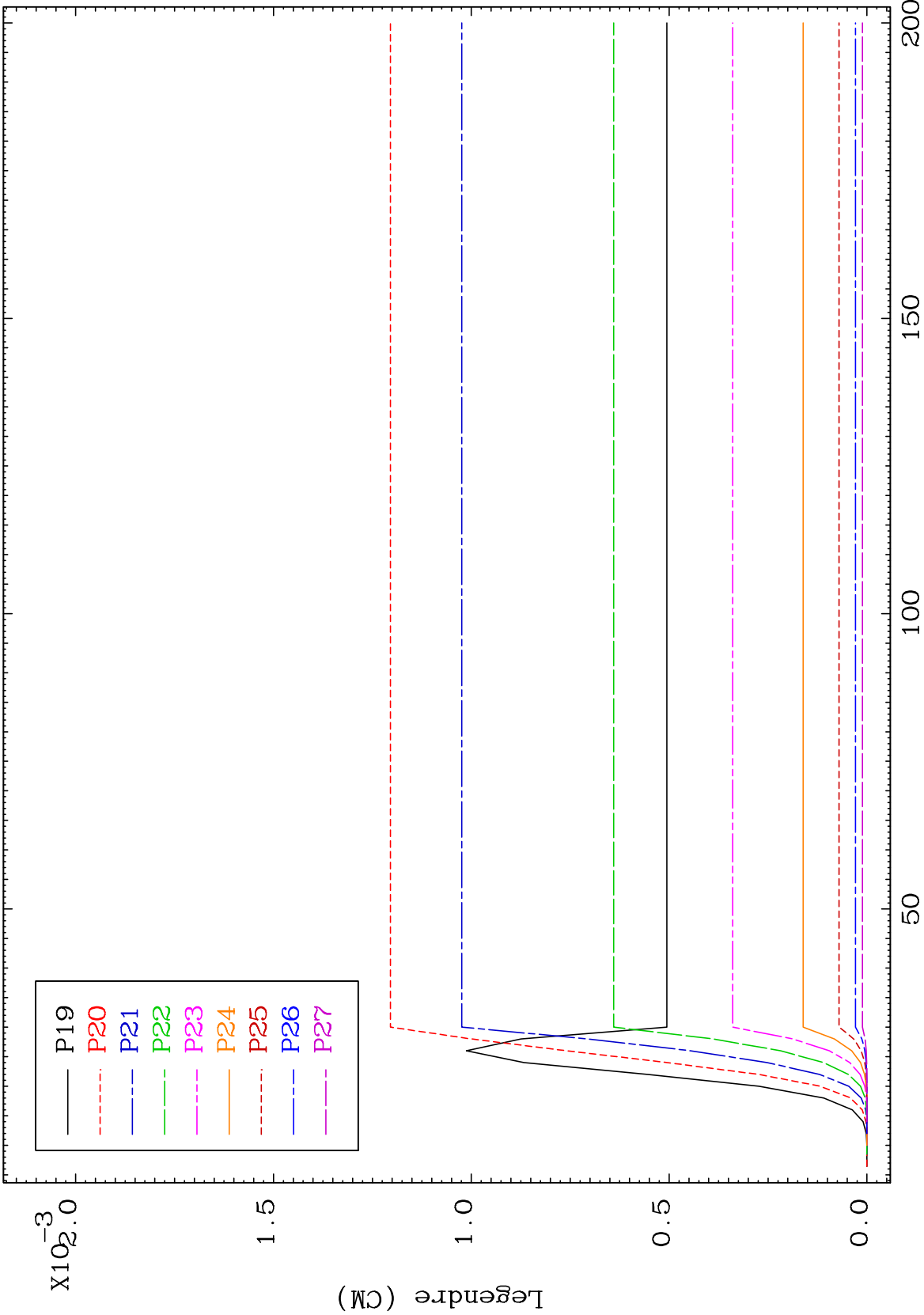
MT= 69 (n,n') Level
Legendre Coefficients

59-Pr-146



83

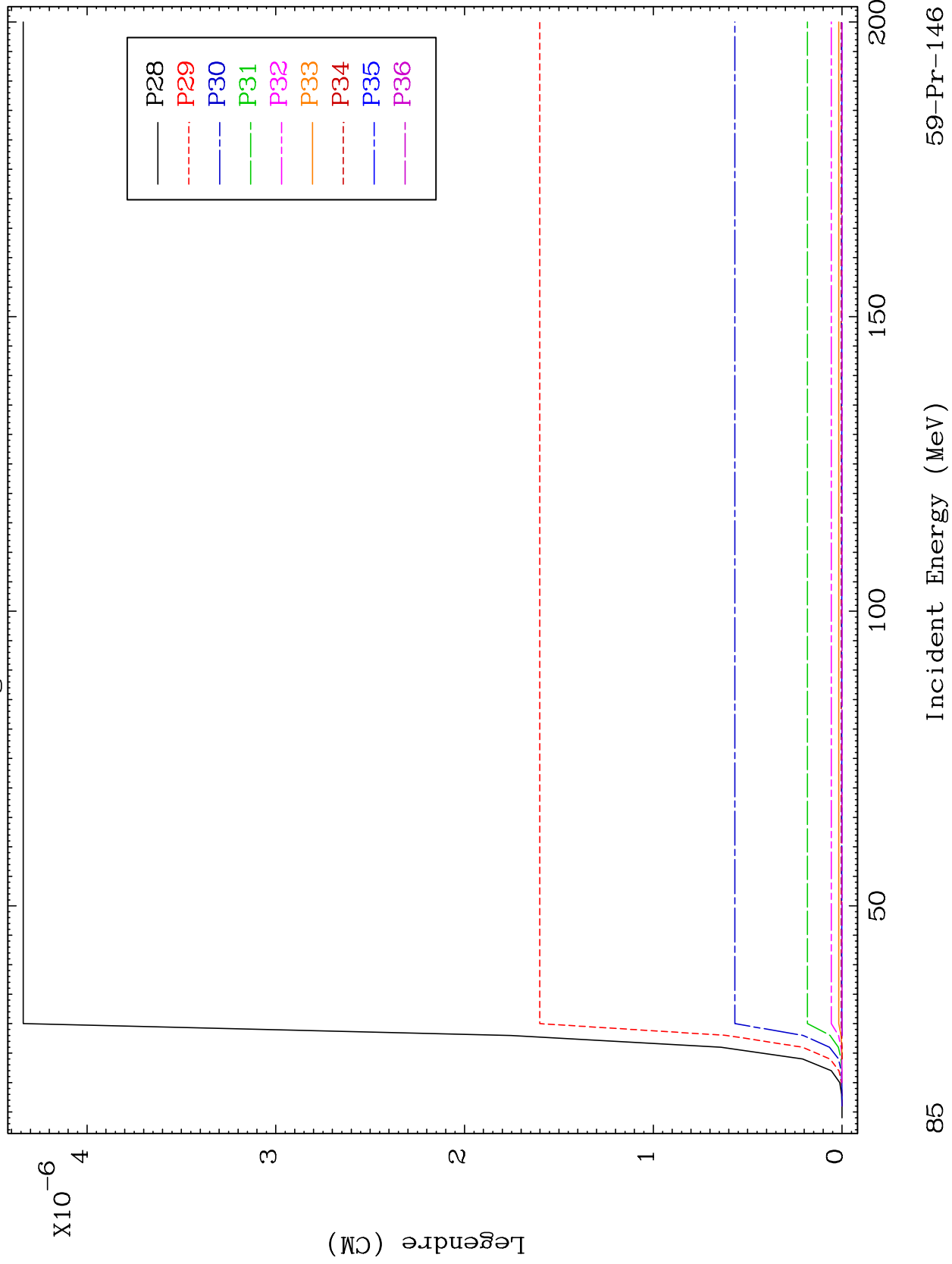
59-Pr-146



MAT 5940

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

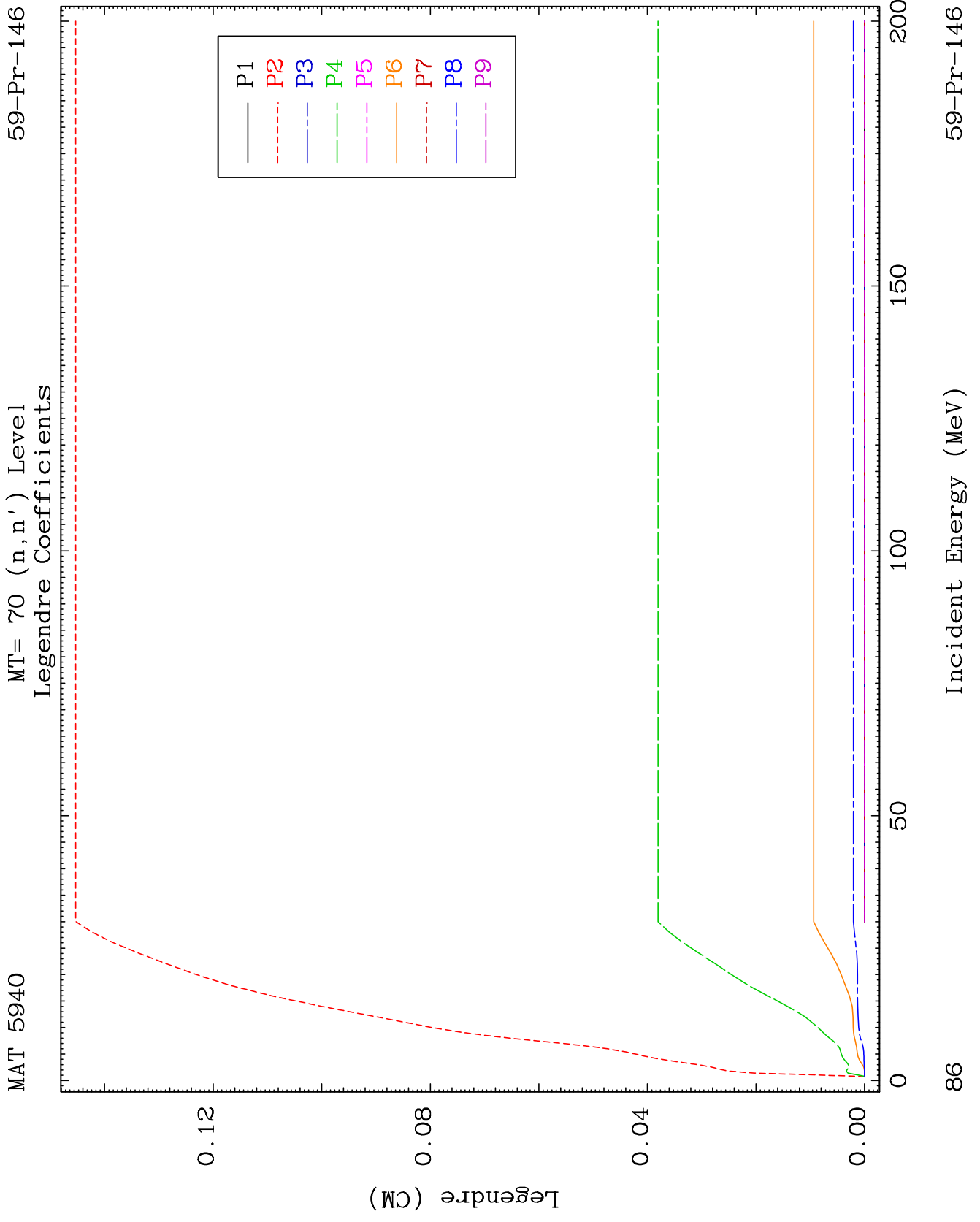
59-Pr-146



85

Incident Energy (MeV)

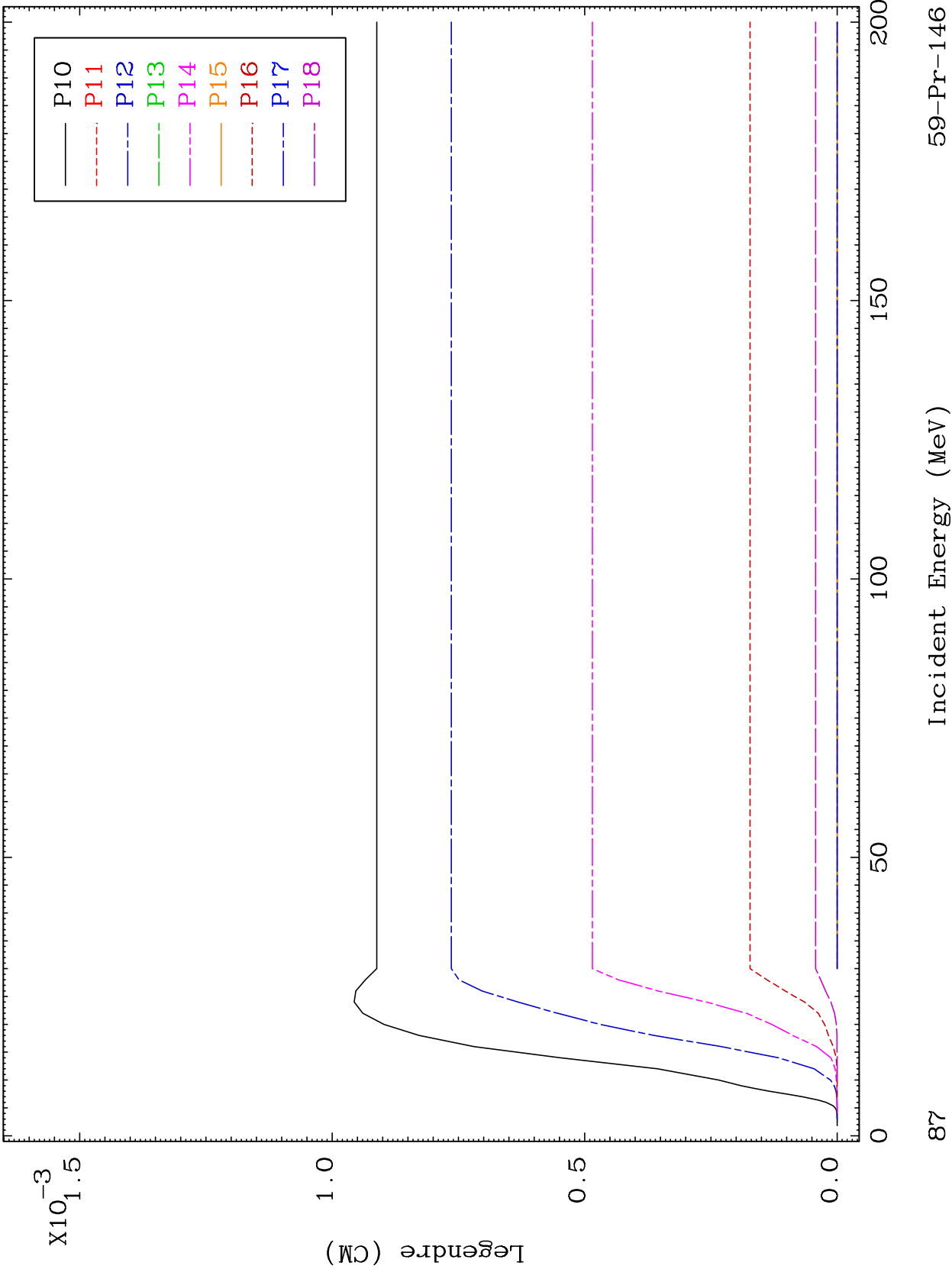
59-Pr-146



MAT 5940

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

59-Pr-146



87

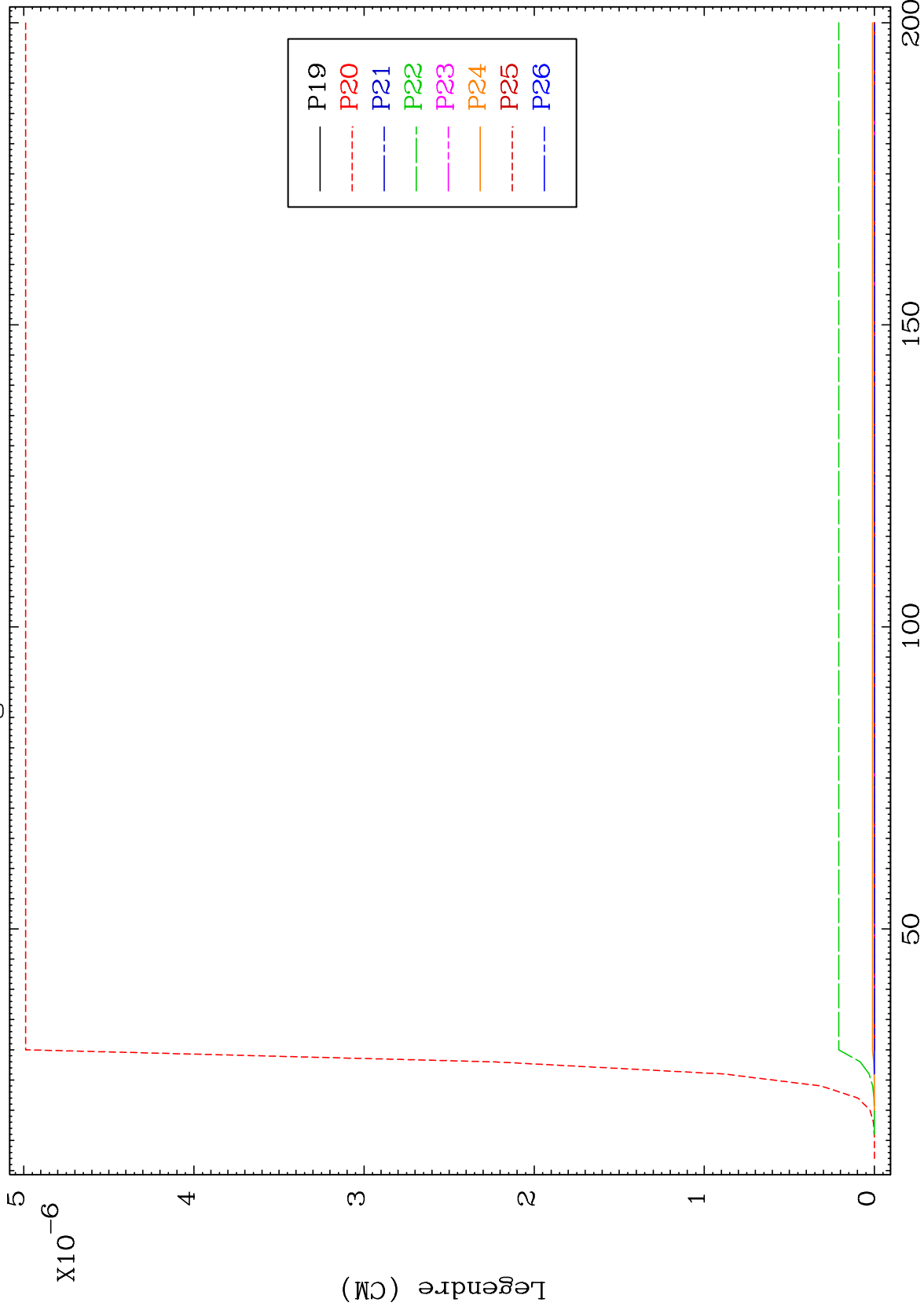
Incident Energy (MeV)

59-Pr-146

MAT 5940

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

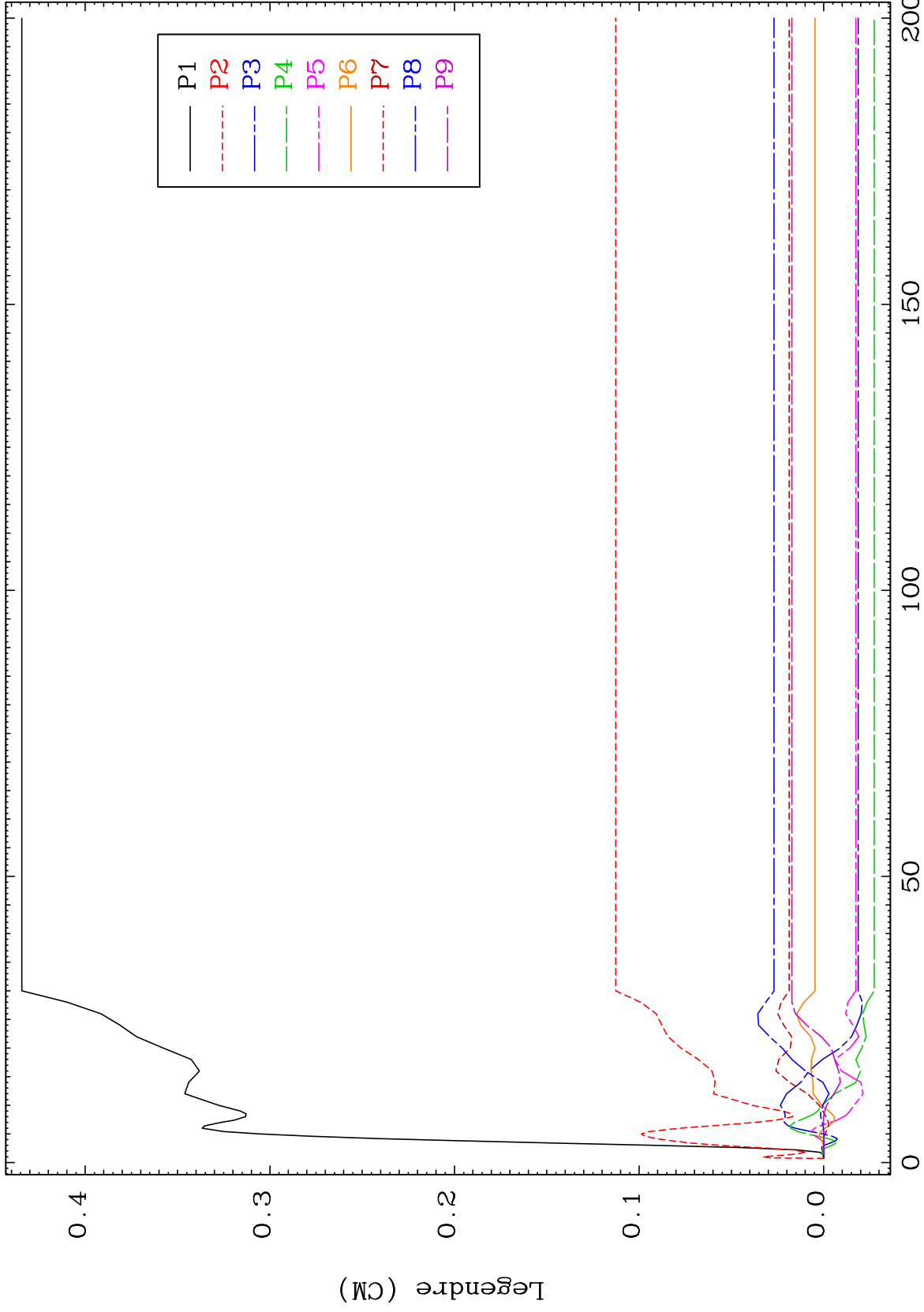
59-Pr-146



59-Pr-146

Incident Energy (MeV)

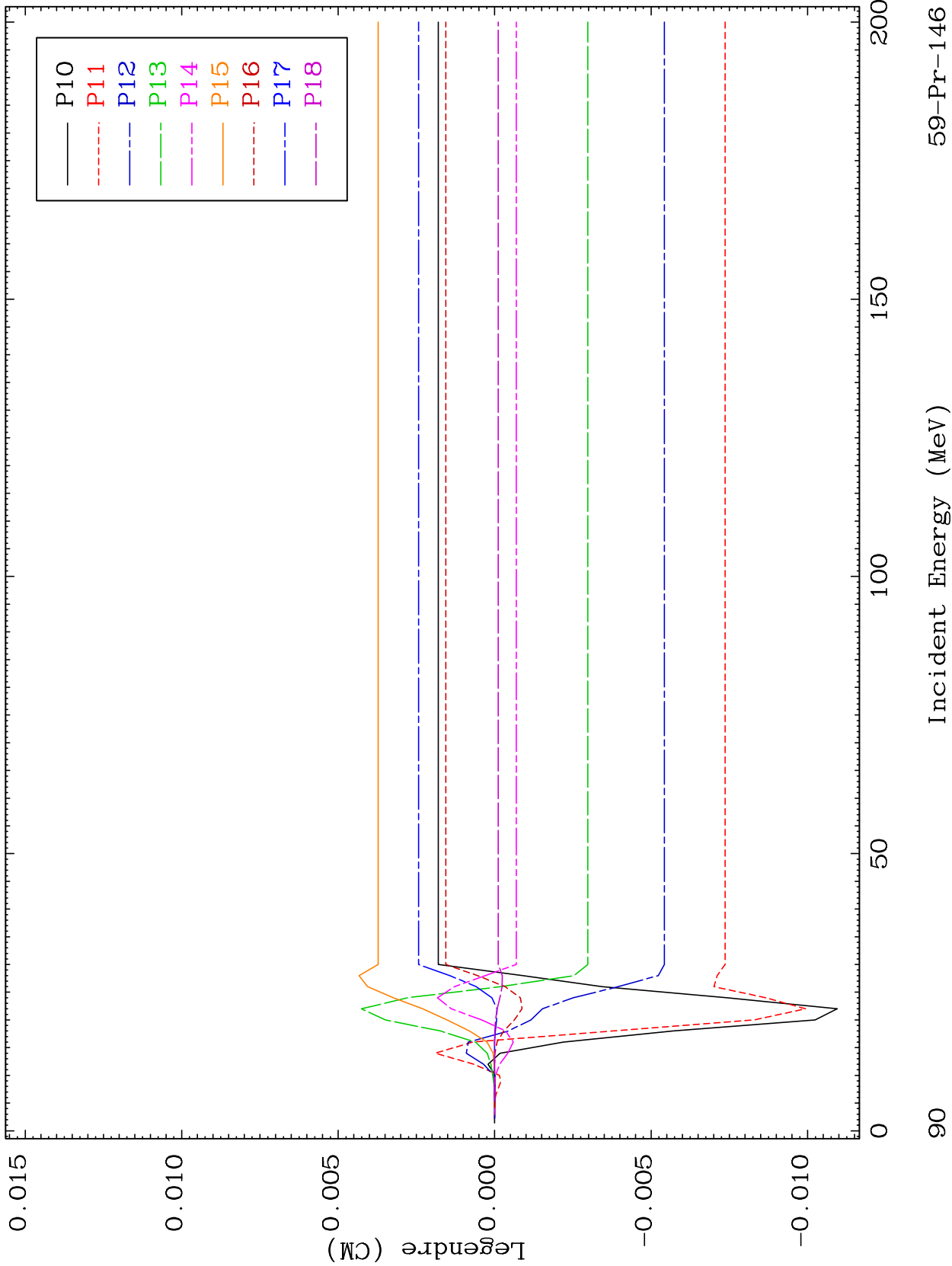
88



MAT 5940

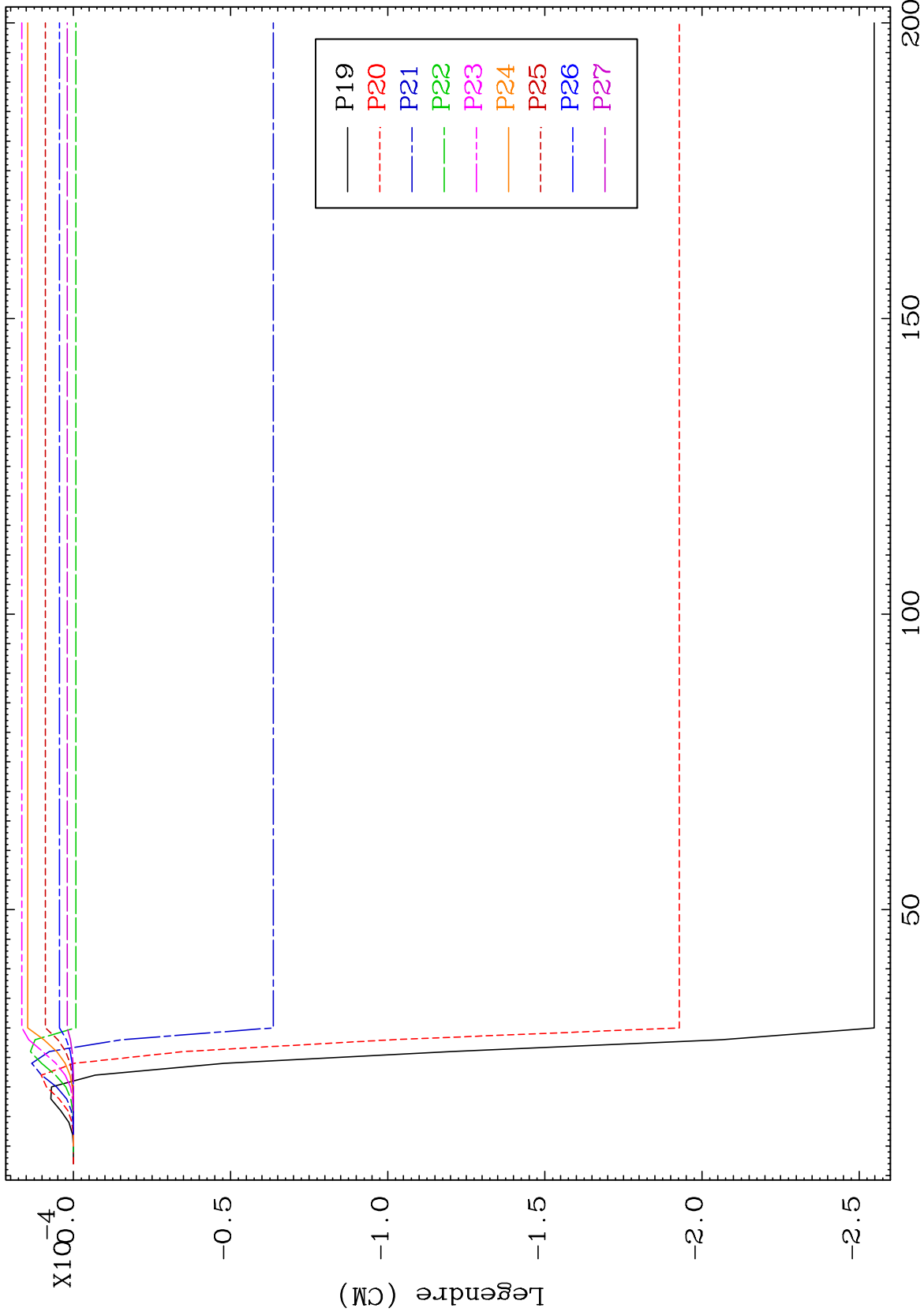
MT= 71 (n,n') Level
Legendre Coefficients

59-Pr-146



59-Pr-146

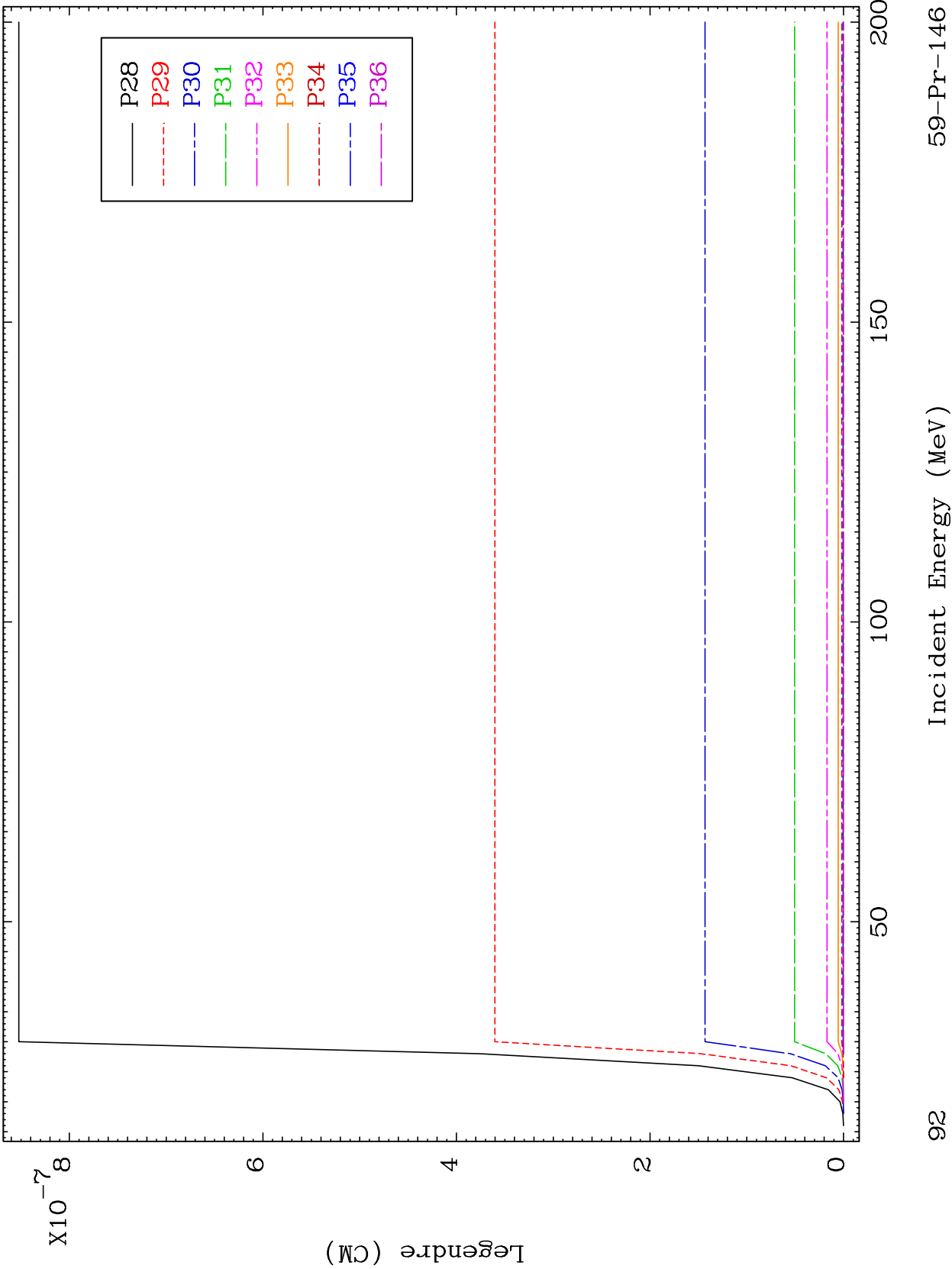
Incident Energy (MeV)



MAT 5940

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

59-Pr-146



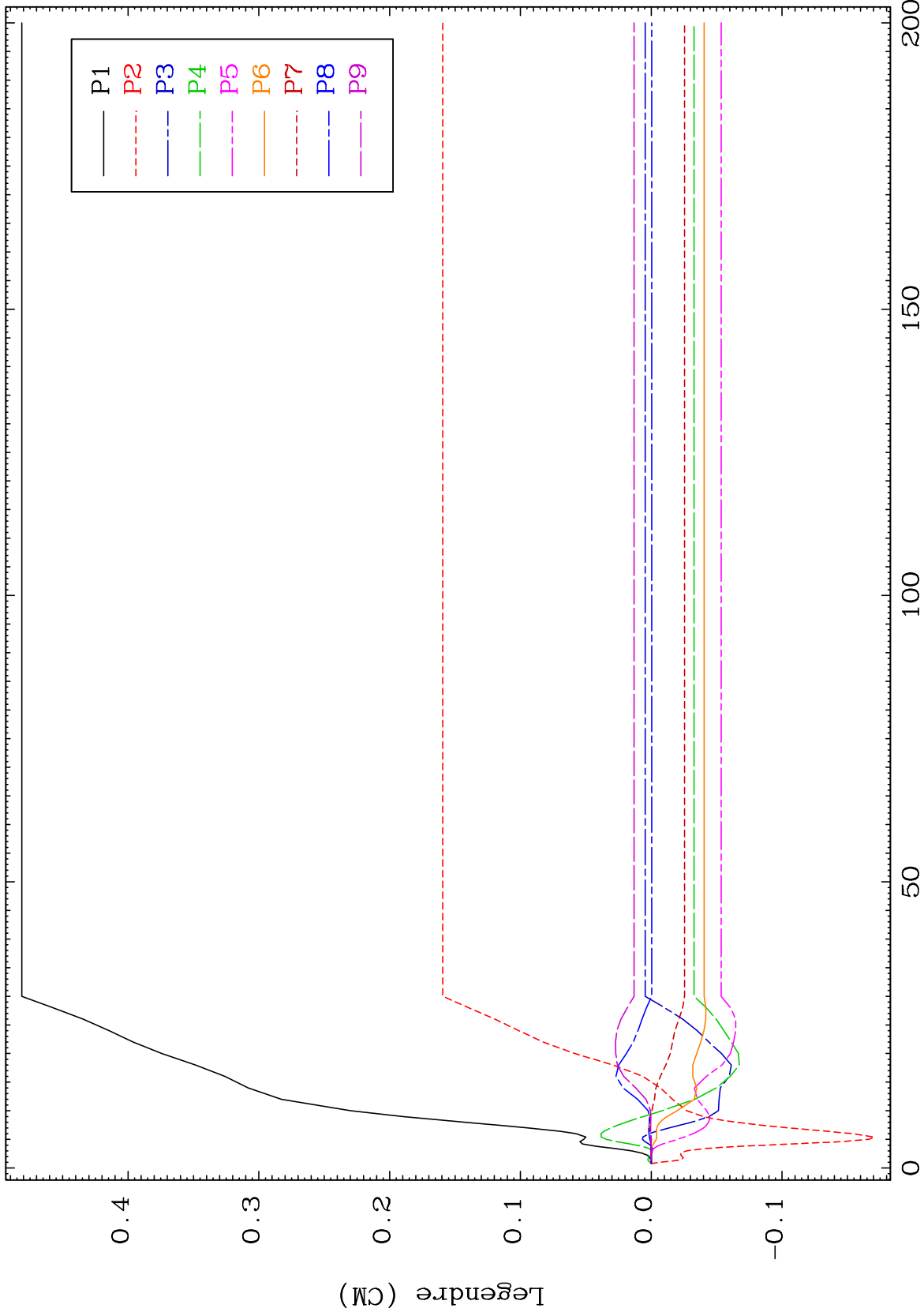
92

59-Pr-146

MAT 5940

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

59-Pr-146



93

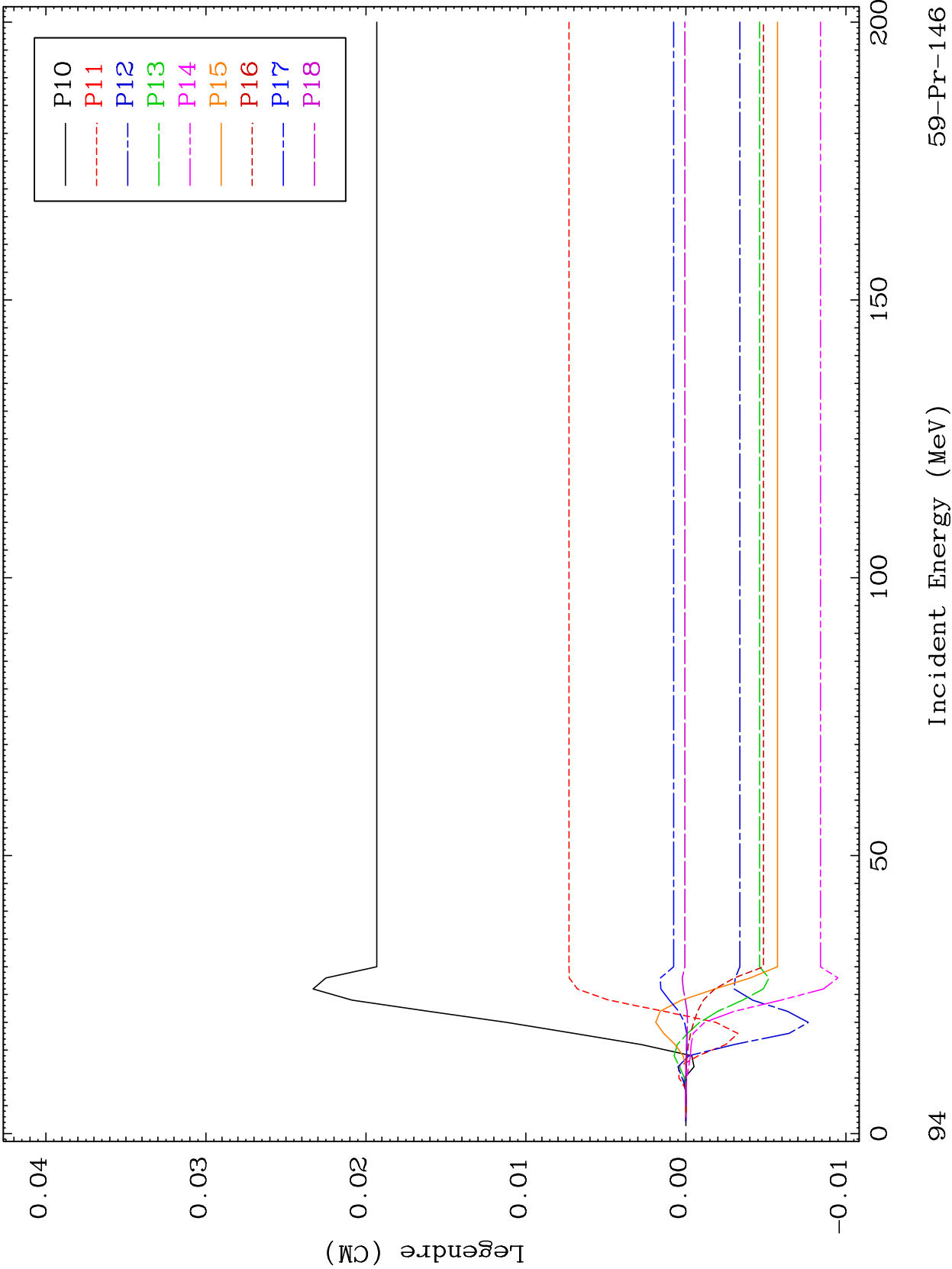
Incident Energy (MeV)

59-Pr-146

MAT 5940

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

59-Pr-146



94

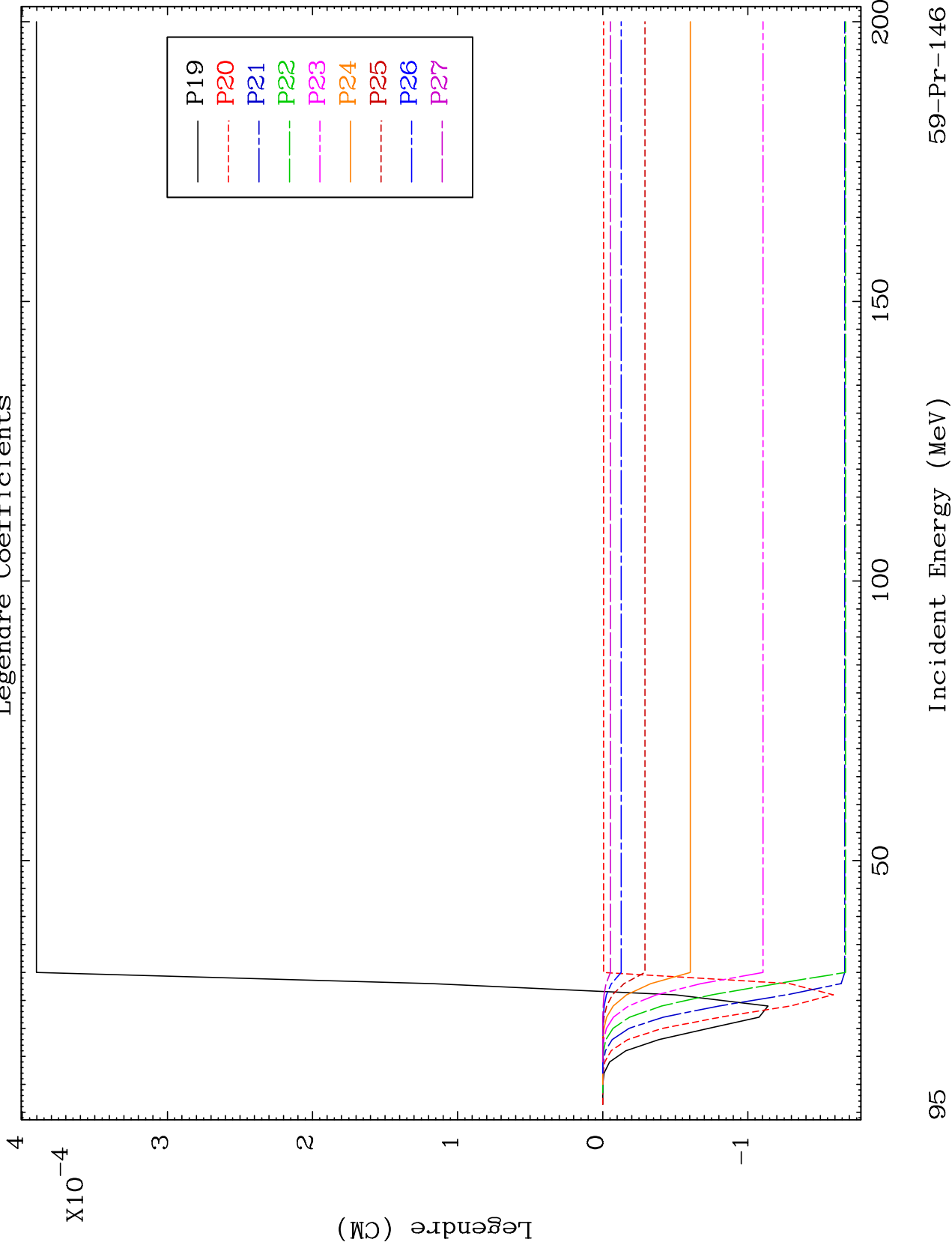
Incident Energy (MeV)

59-Pr-146

MAT 5940

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

59-Pr-146



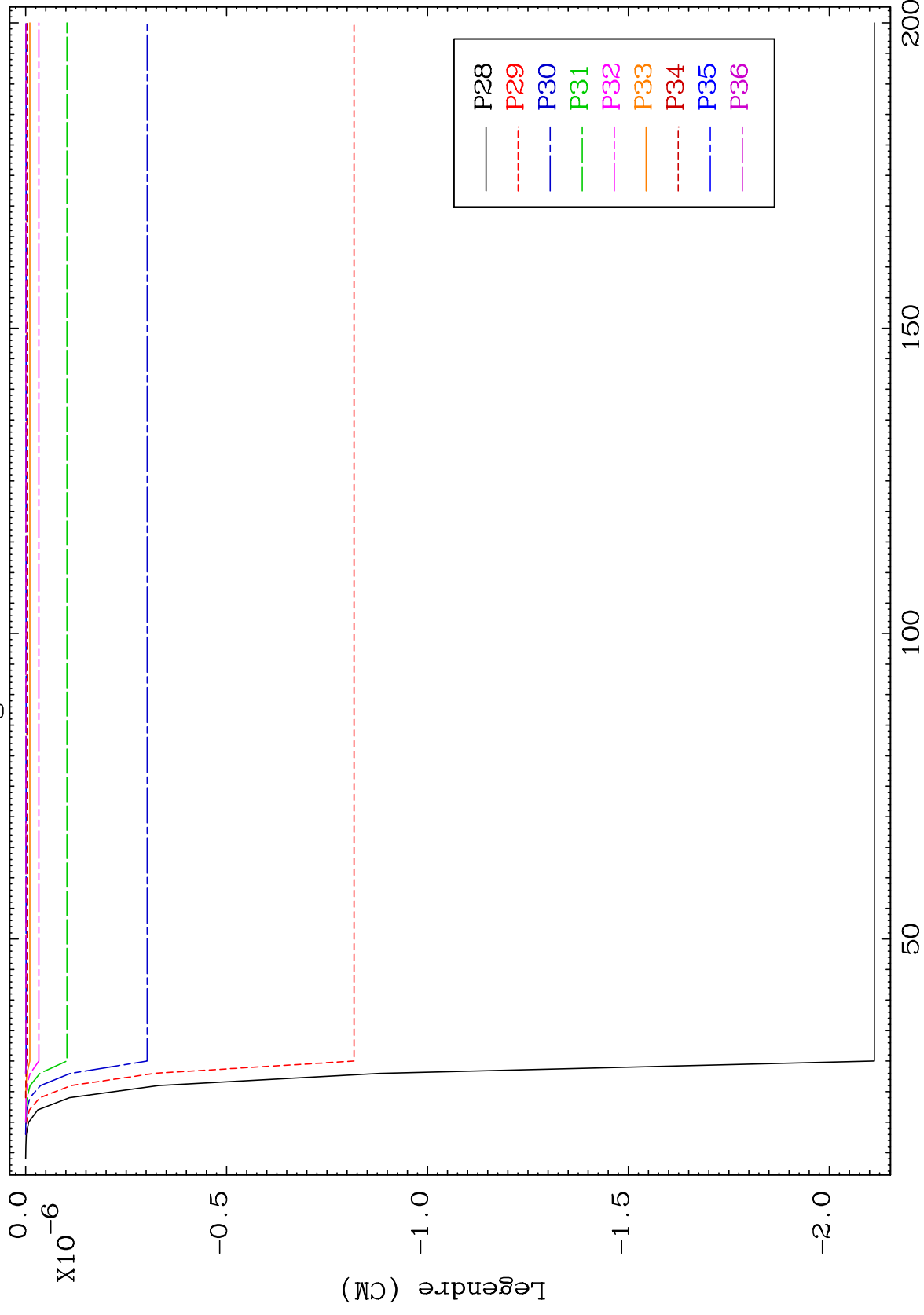
95

59-Pr-146

MAT 5940

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

59-Pr-146



96

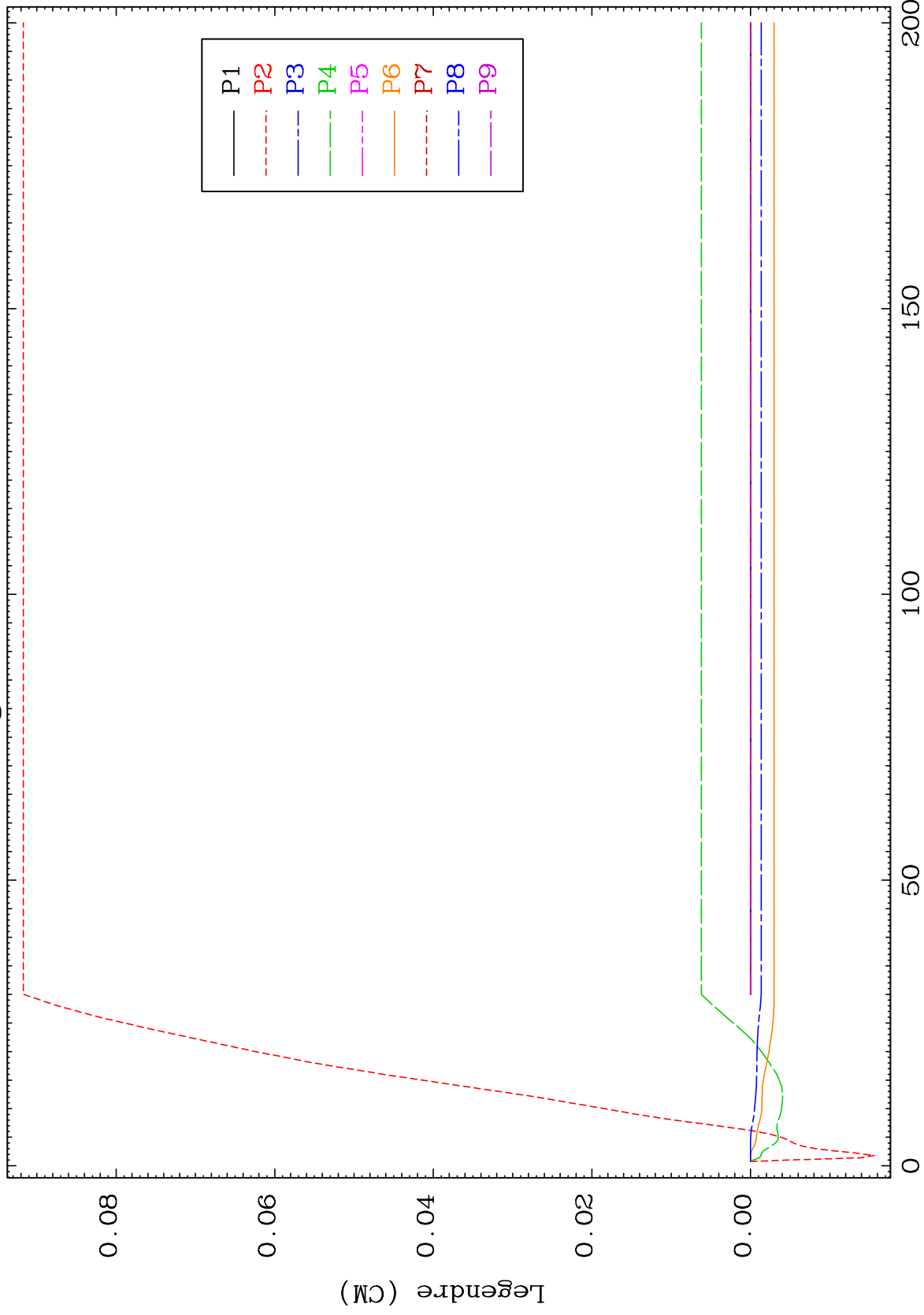
Incident Energy (MeV)

59-Pr-146

MAT 5940

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

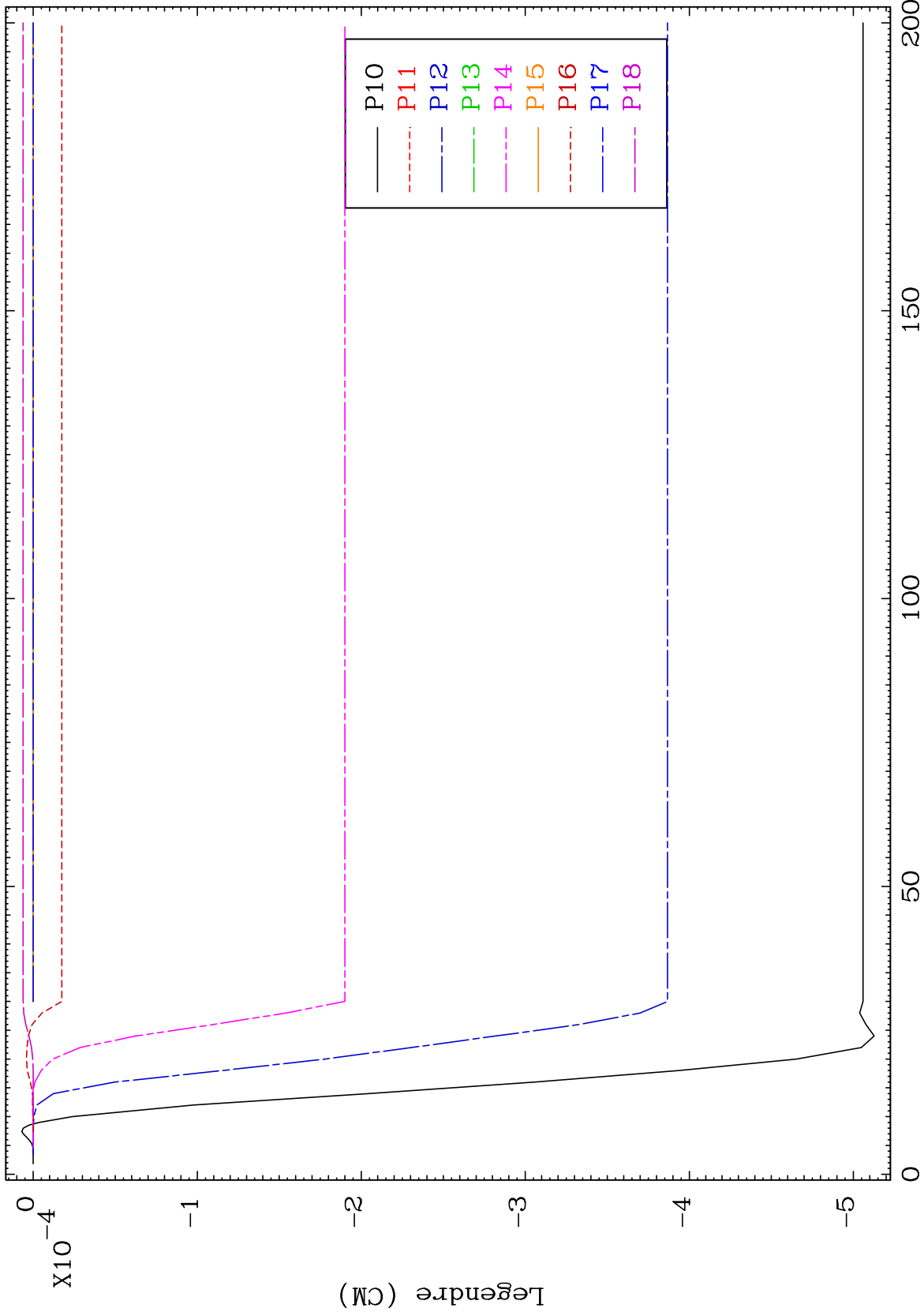
59-Pr-146



97

Incident Energy (MeV)

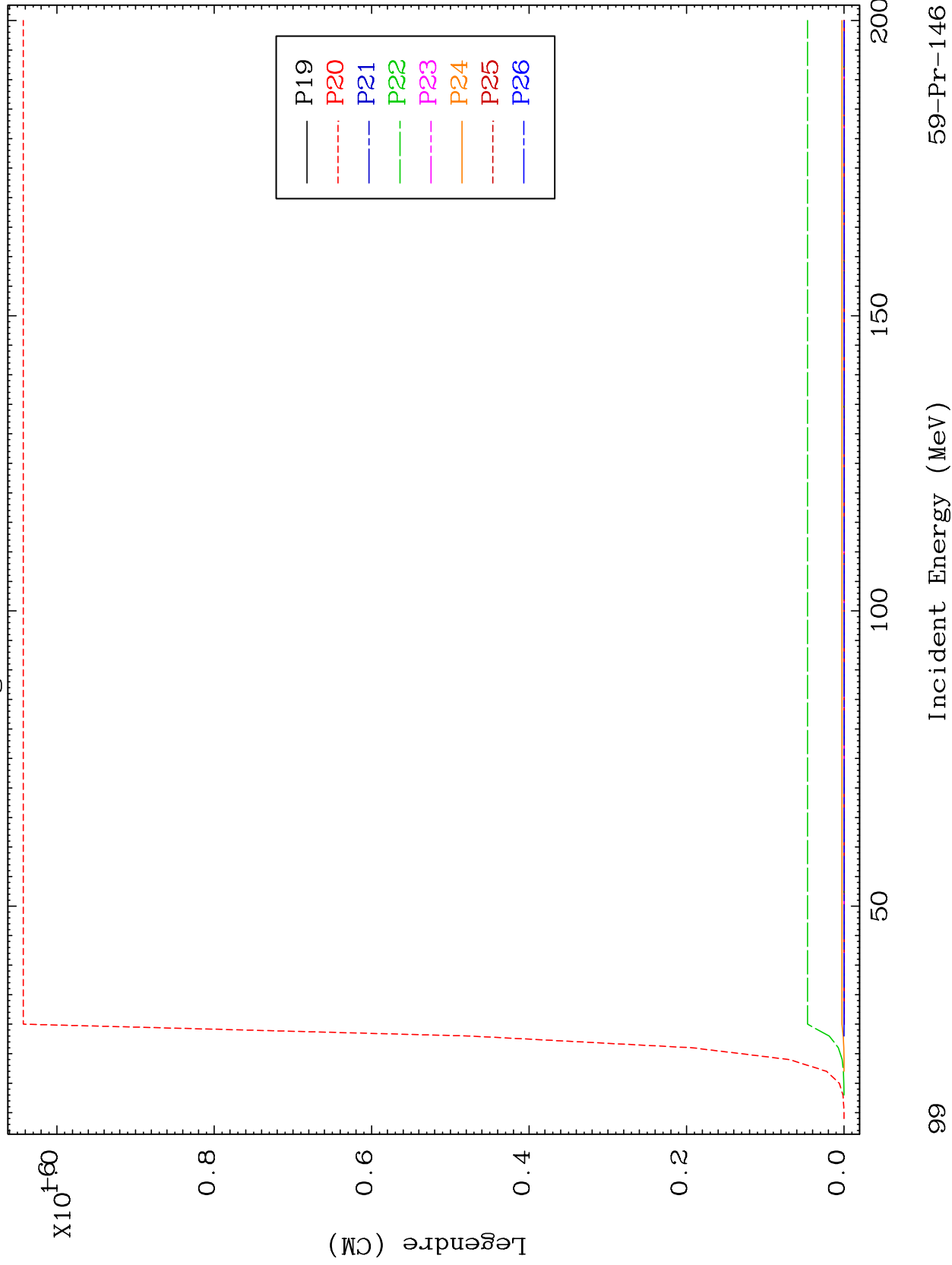
59-Pr-146



MAT 5940

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

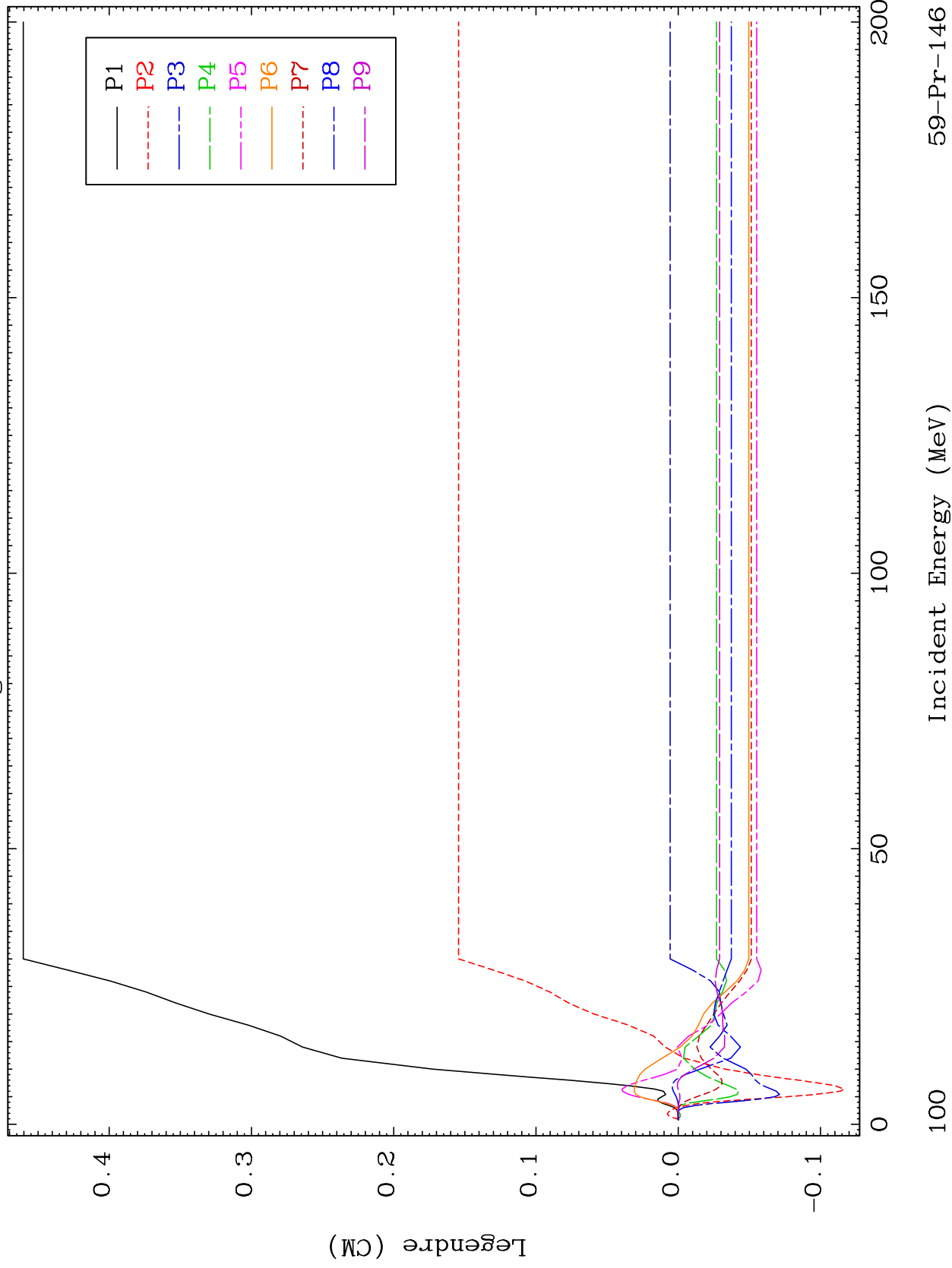
59-Pr-146



MAT 5940

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

59-Pr-146

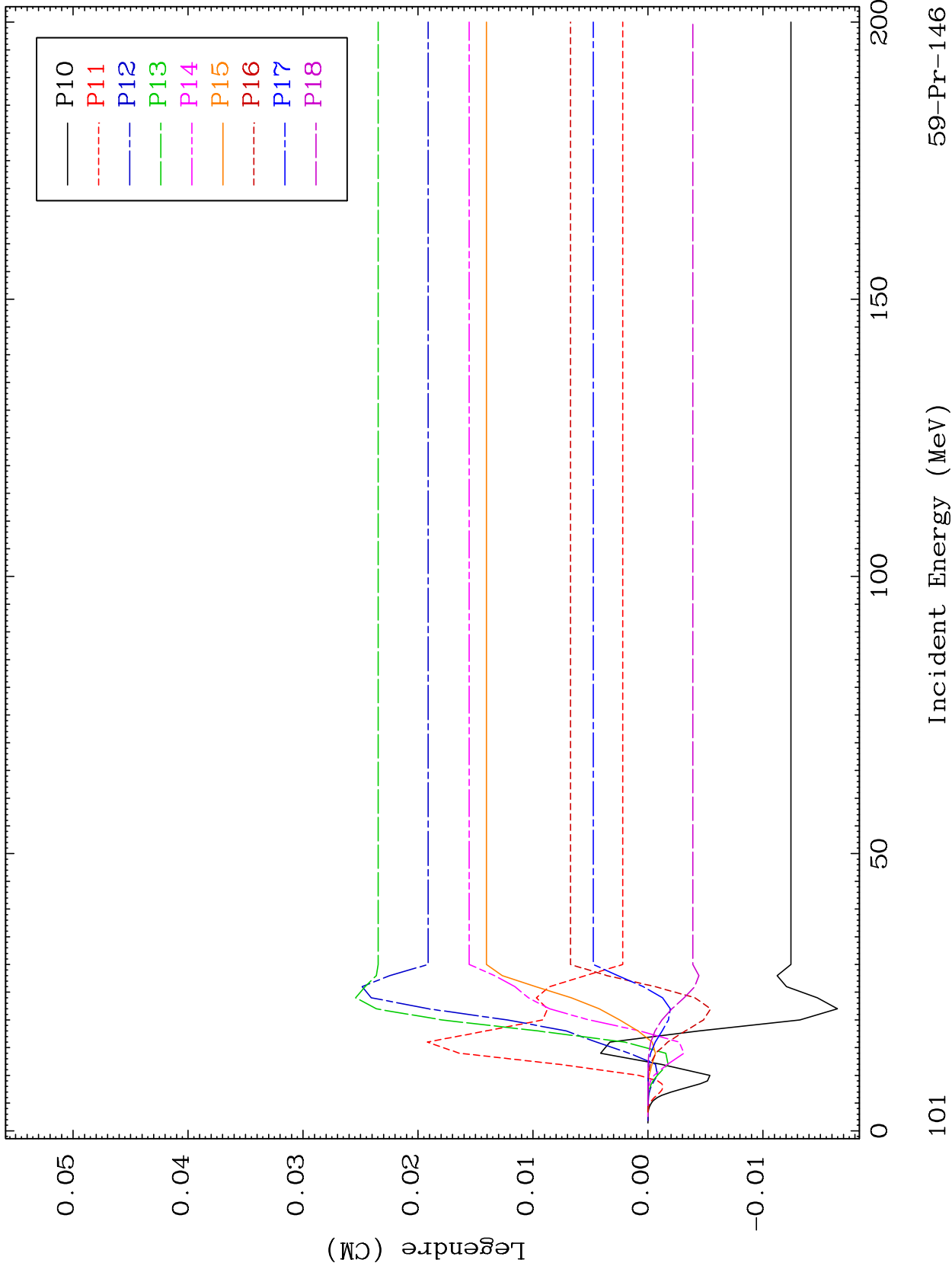


59-Pr-146

MAT 5940

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

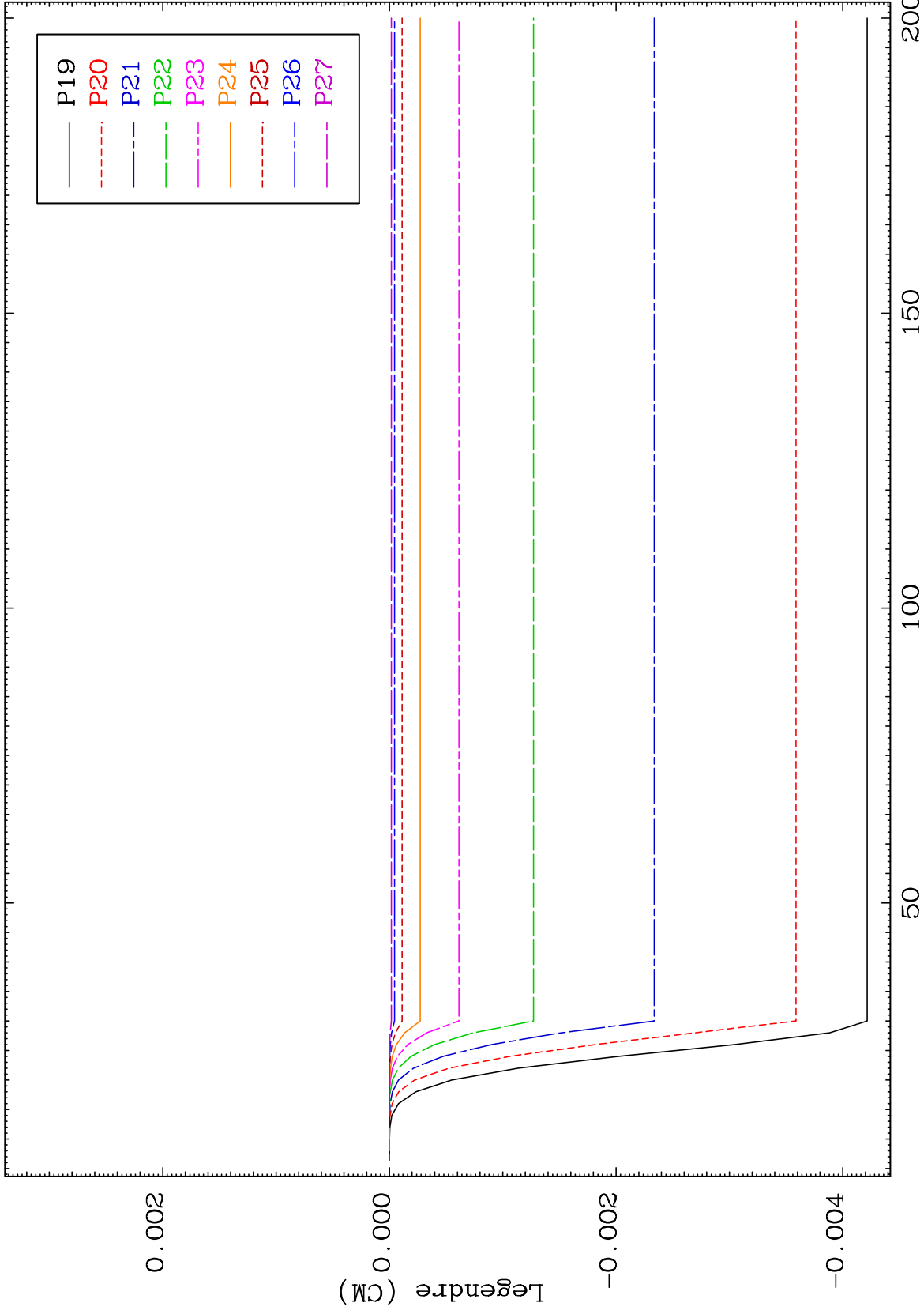
59-Pr-146



59-Pr-146

Incident Energy (MeV)

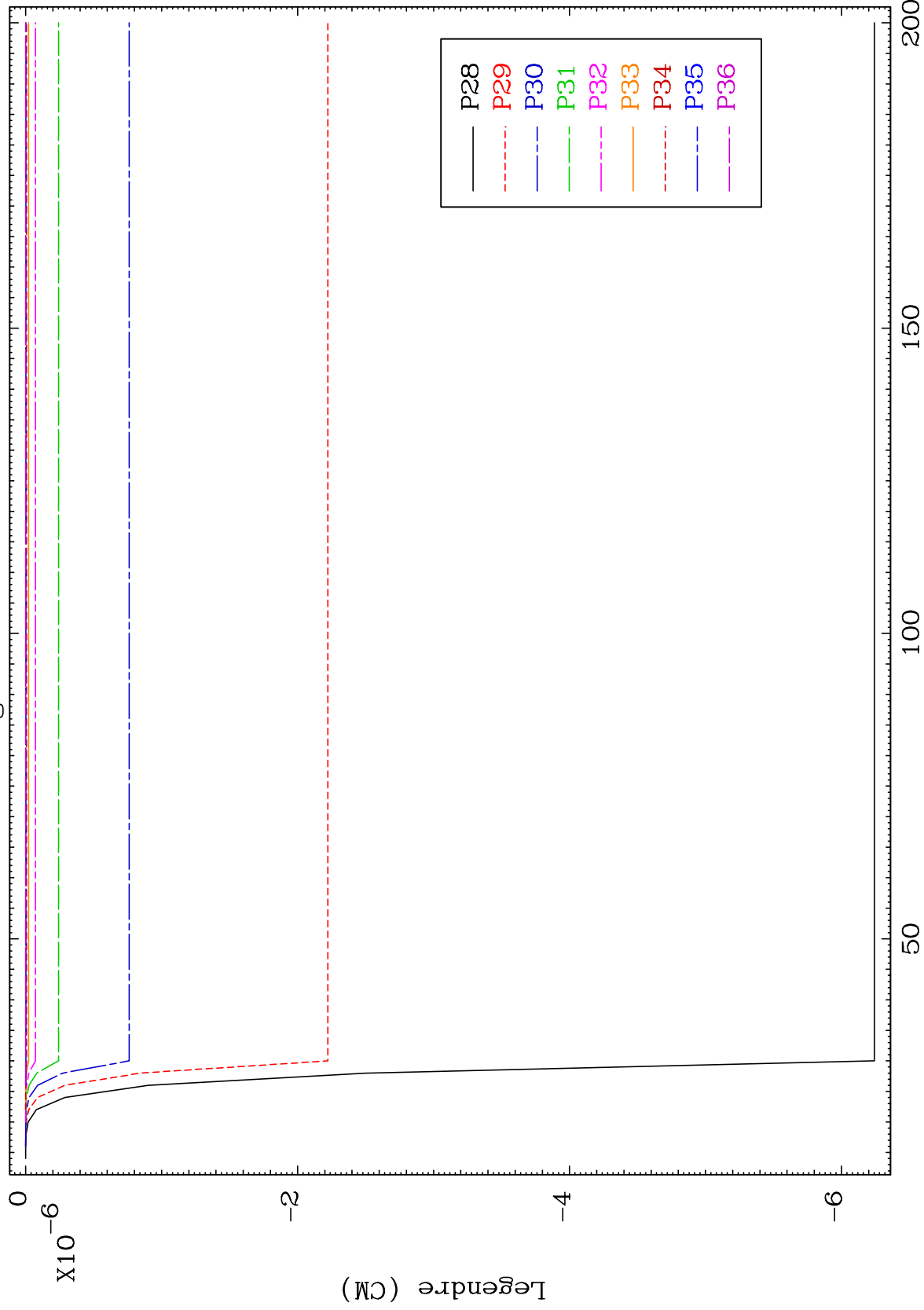
101



MAT 5940

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

59-Pr-146



103

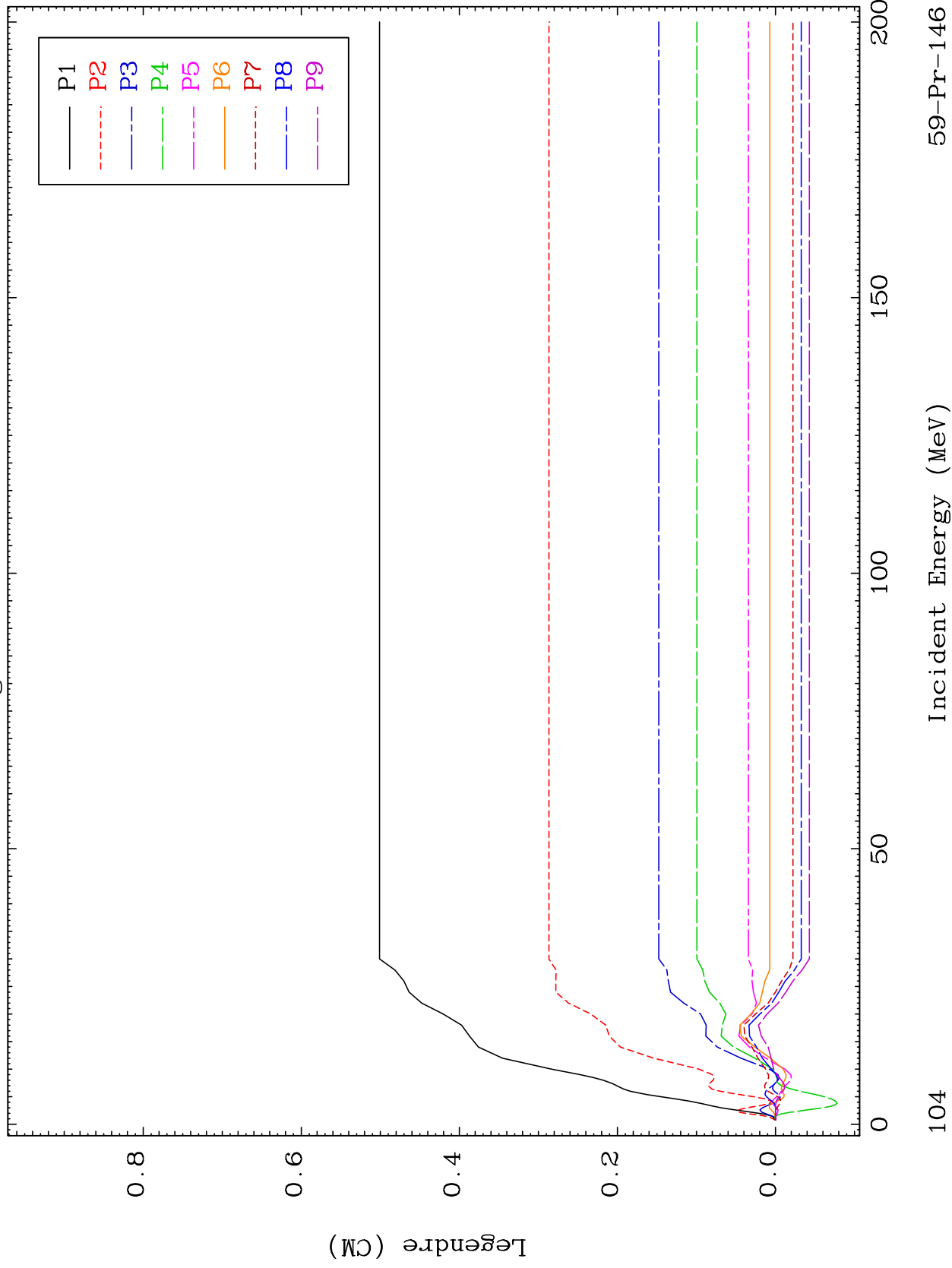
Incident Energy (MeV)

59-Pr-146

MAT 5940

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

59-Pr-146



59-Pr-146

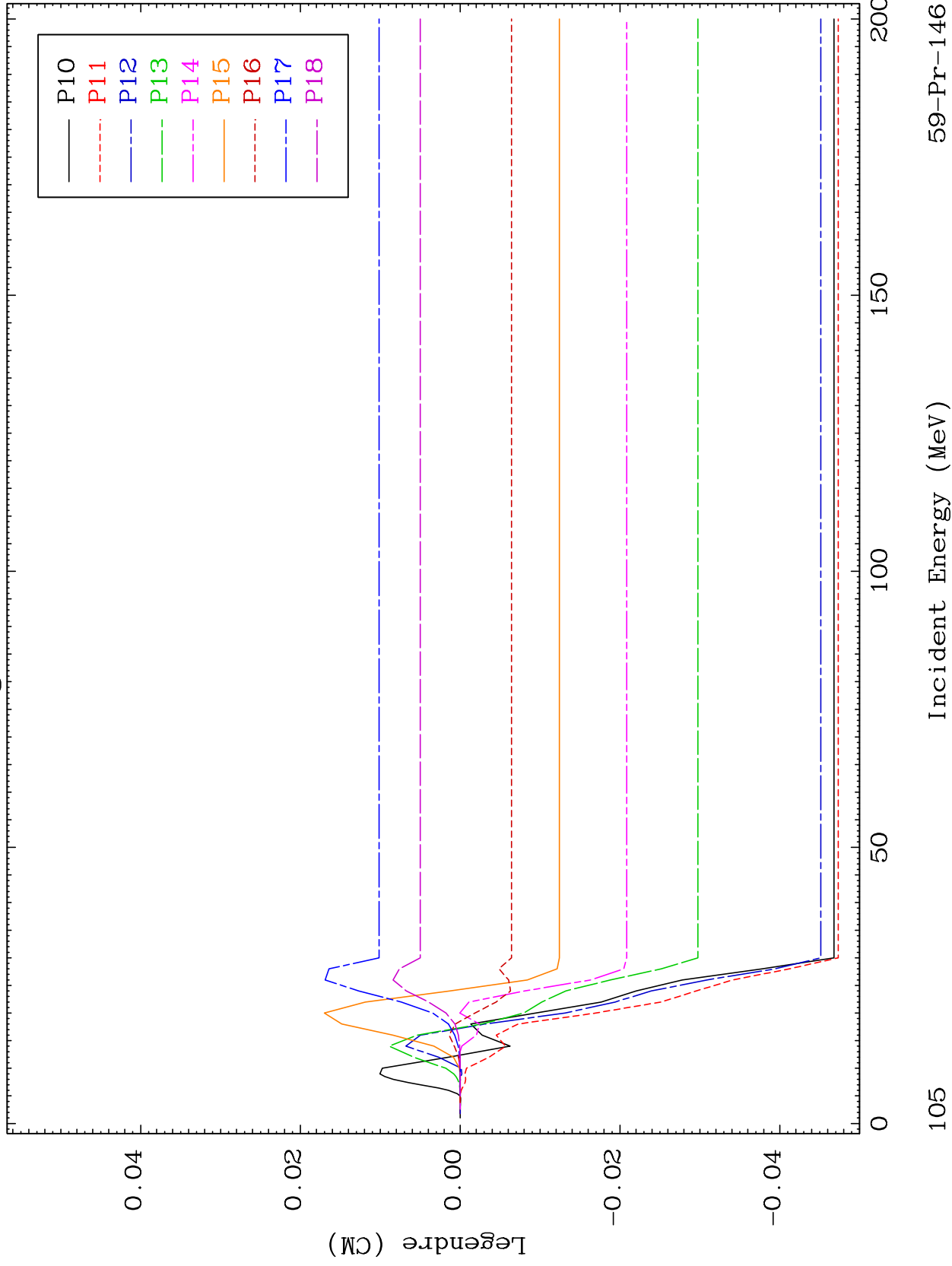
Incident Energy (MeV)

104

MAT 5940

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

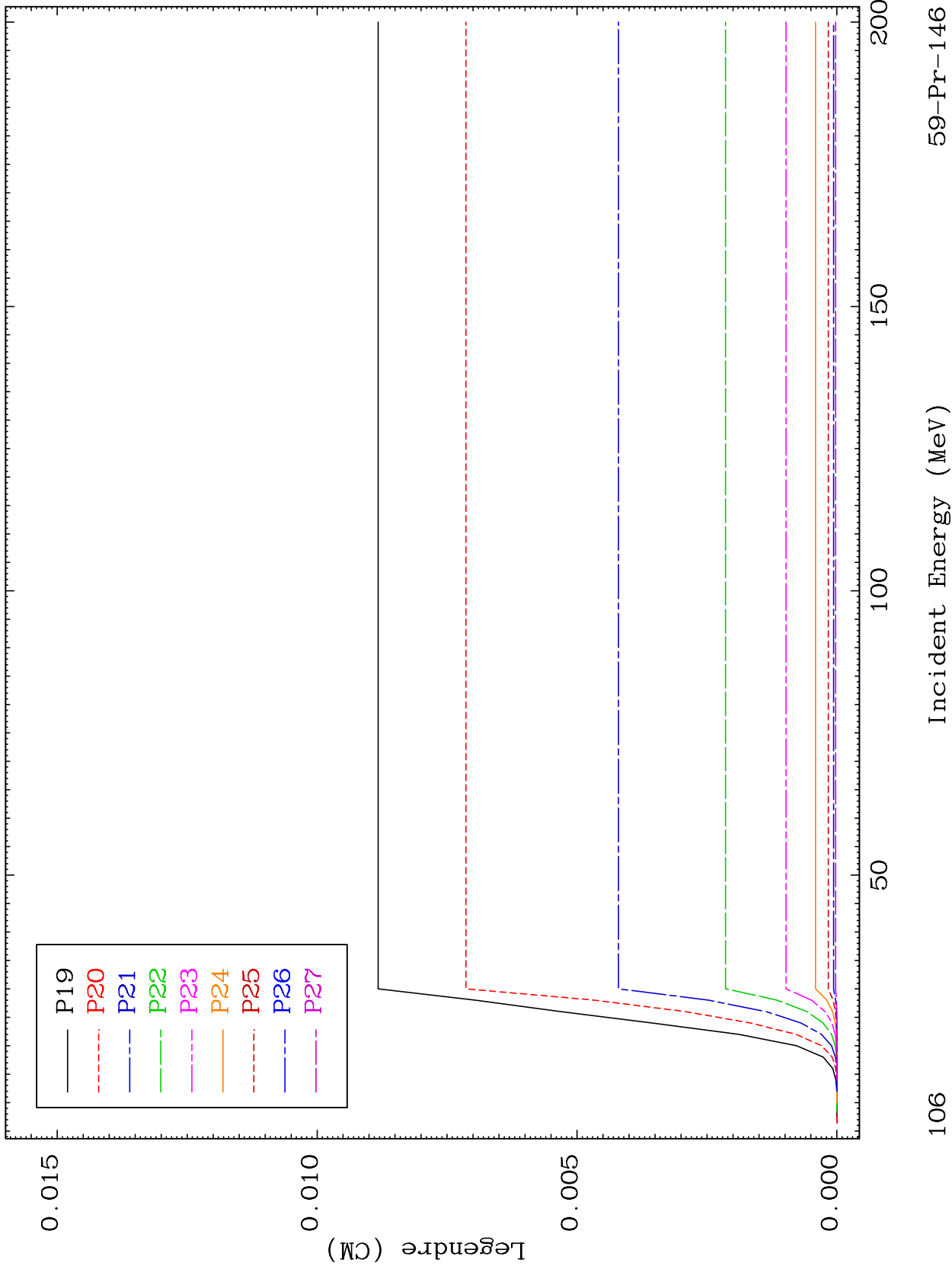
59-Pr-146



59-Pr-146

Incident Energy (MeV)

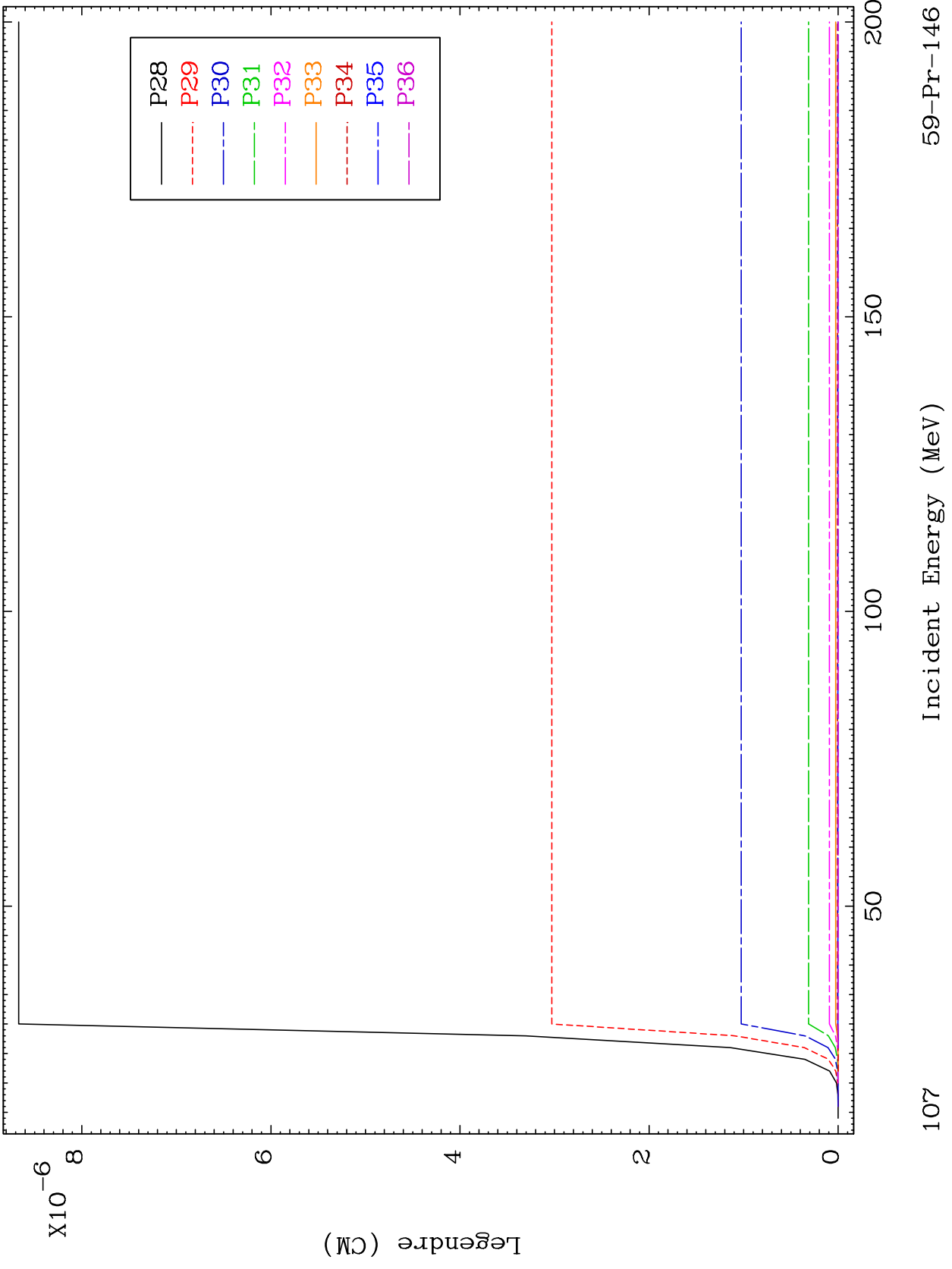
105



MAT 5940

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

59-Pr-146



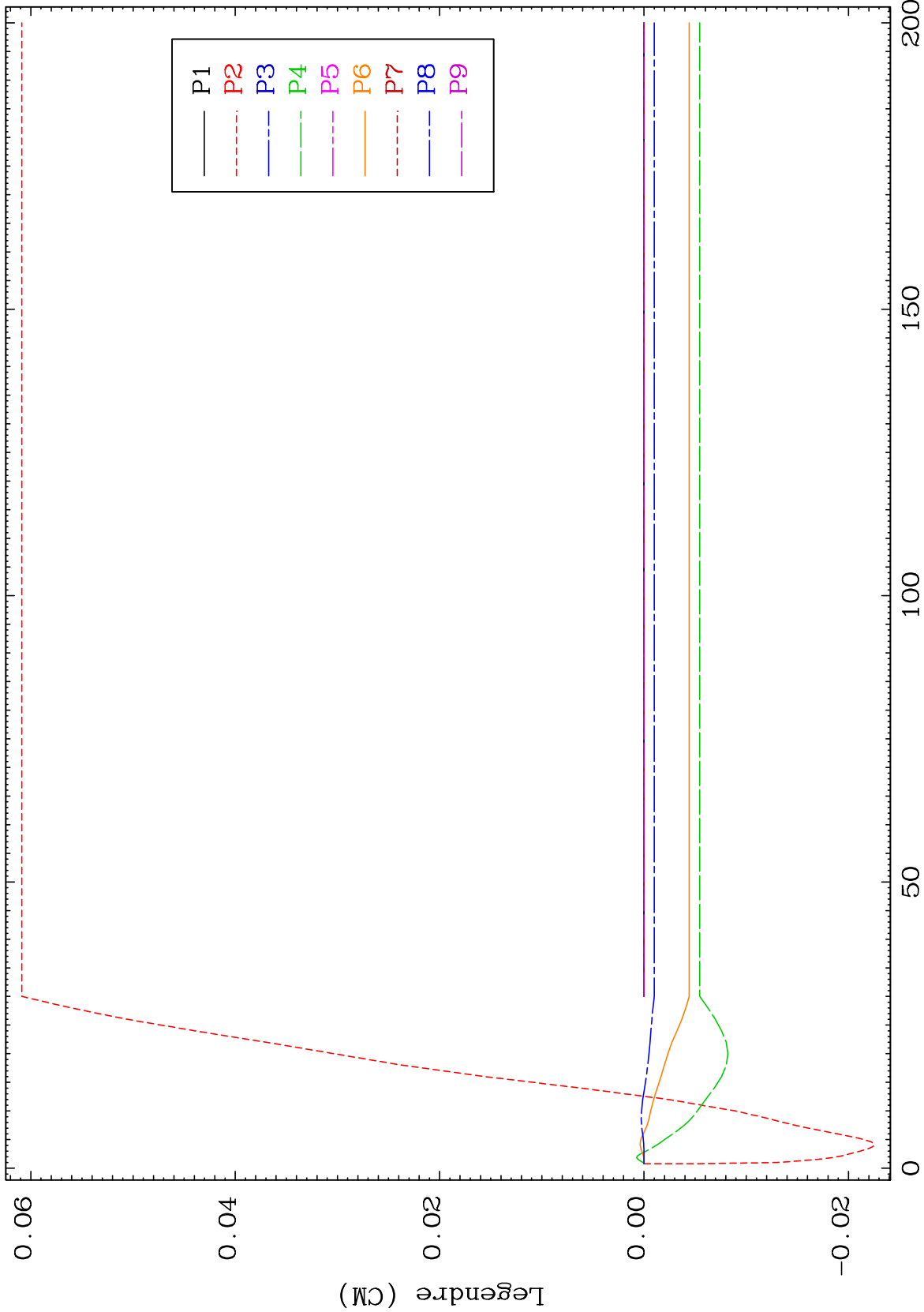
107

59-Pr-146

MAT 5940

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

59-Pr-146



59-Pr-146

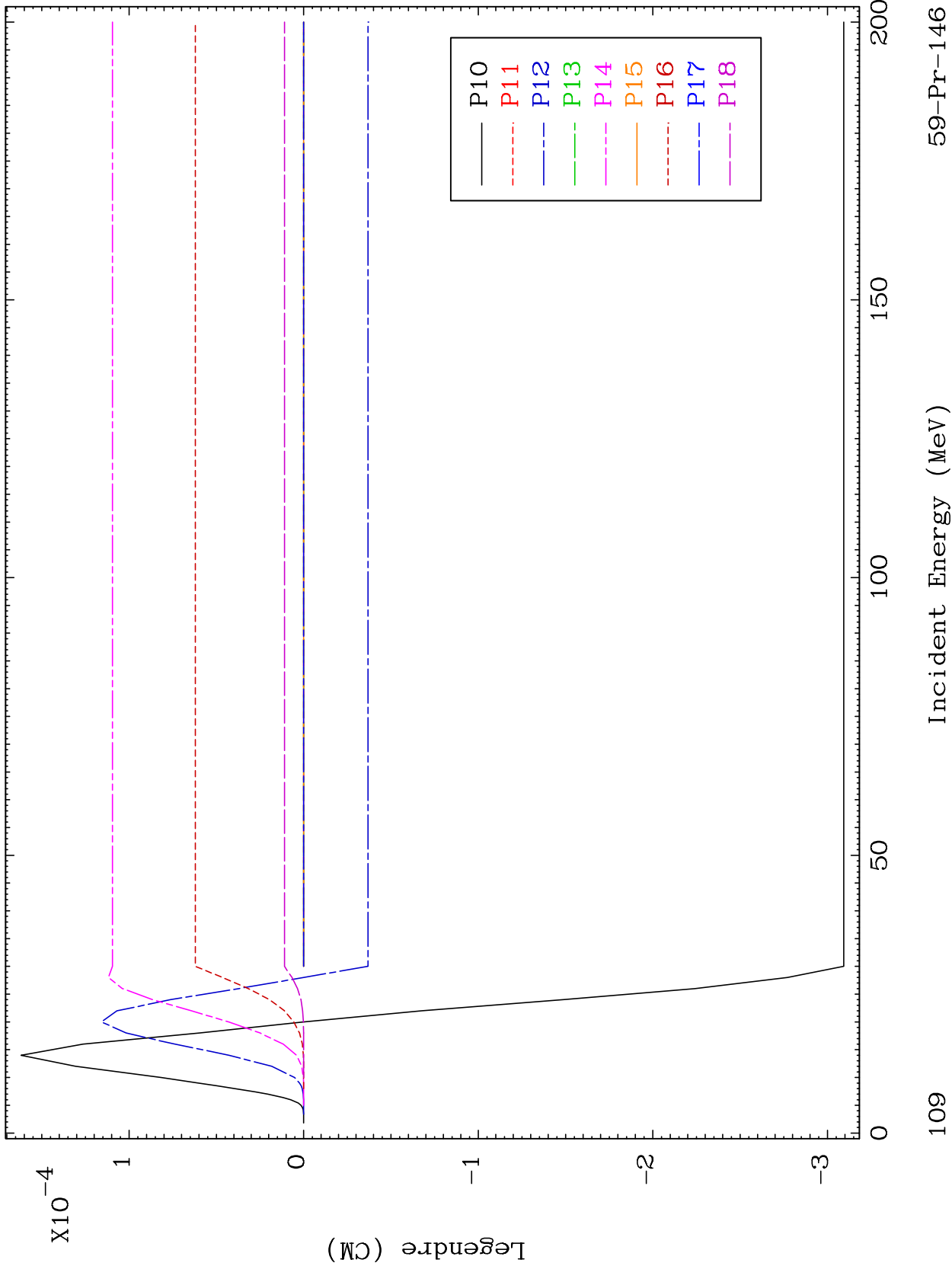
Incident Energy (MeV)

108

MAT 5940

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

59-Pr-146



109

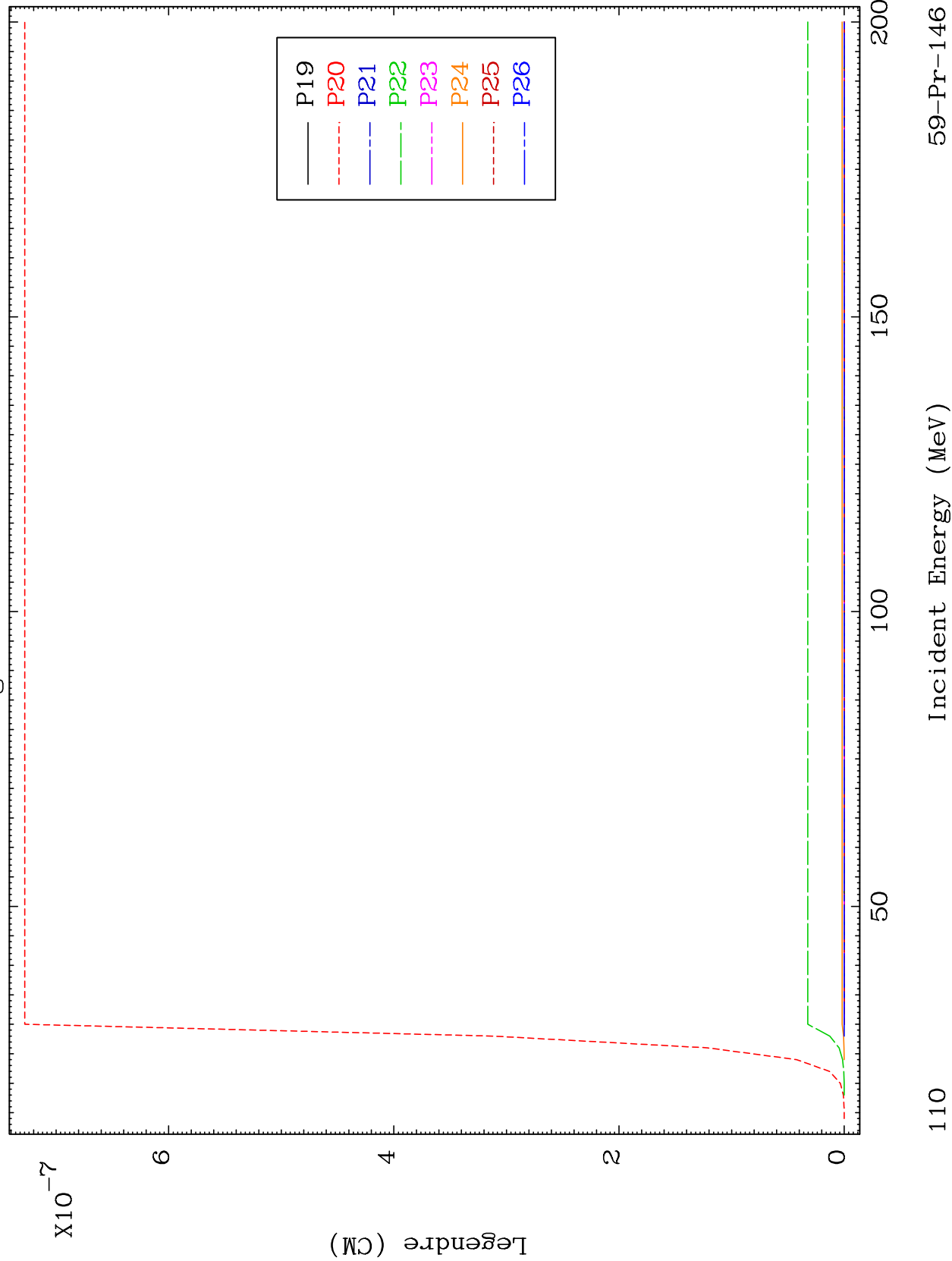
Incident Energy (MeV)

59-Pr-146

MAT 5940

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

59-Pr-146



59-Pr-146

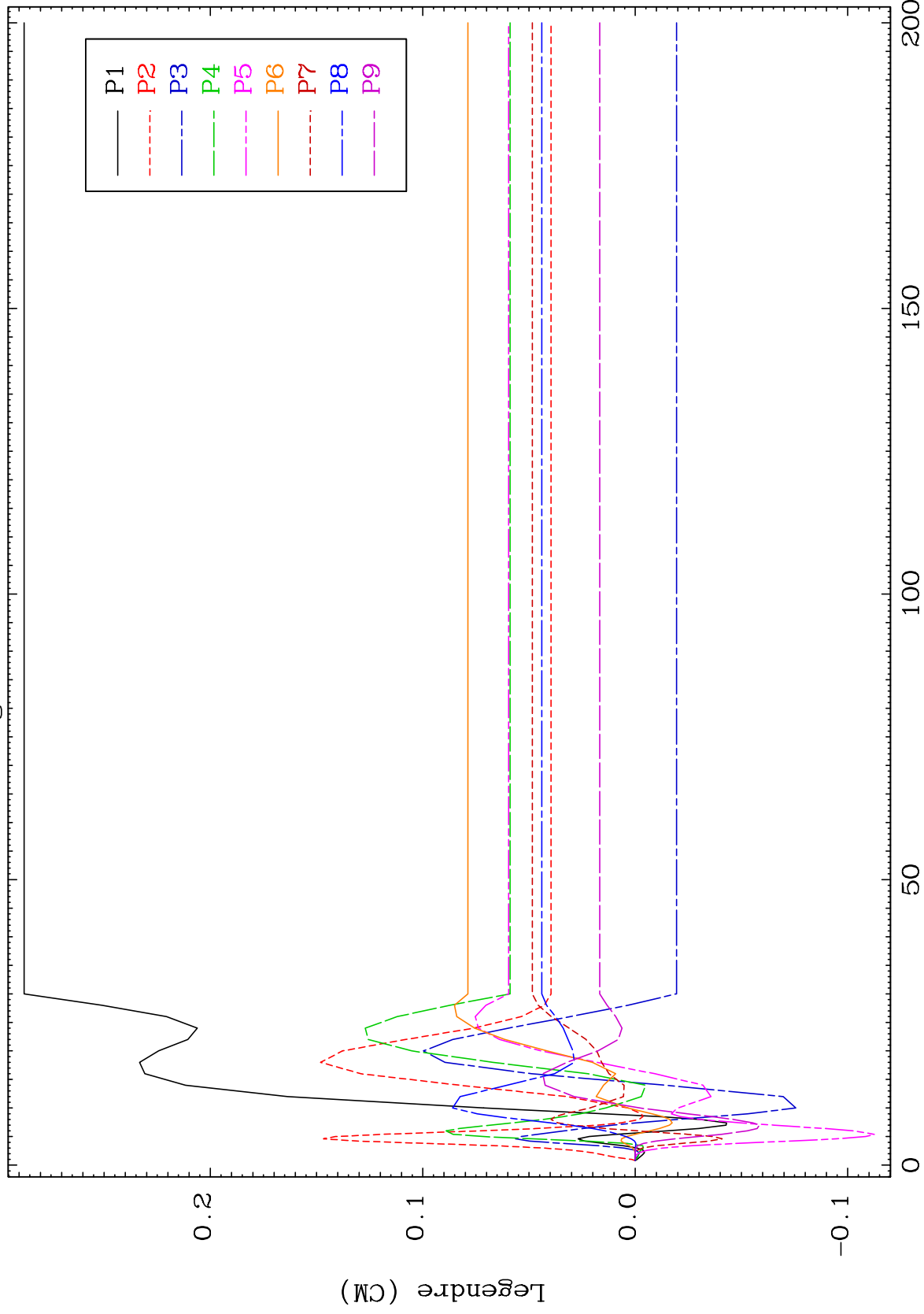
Incident Energy (MeV)

110

MAT 5940

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

59-Pr-146



59-Pr-146

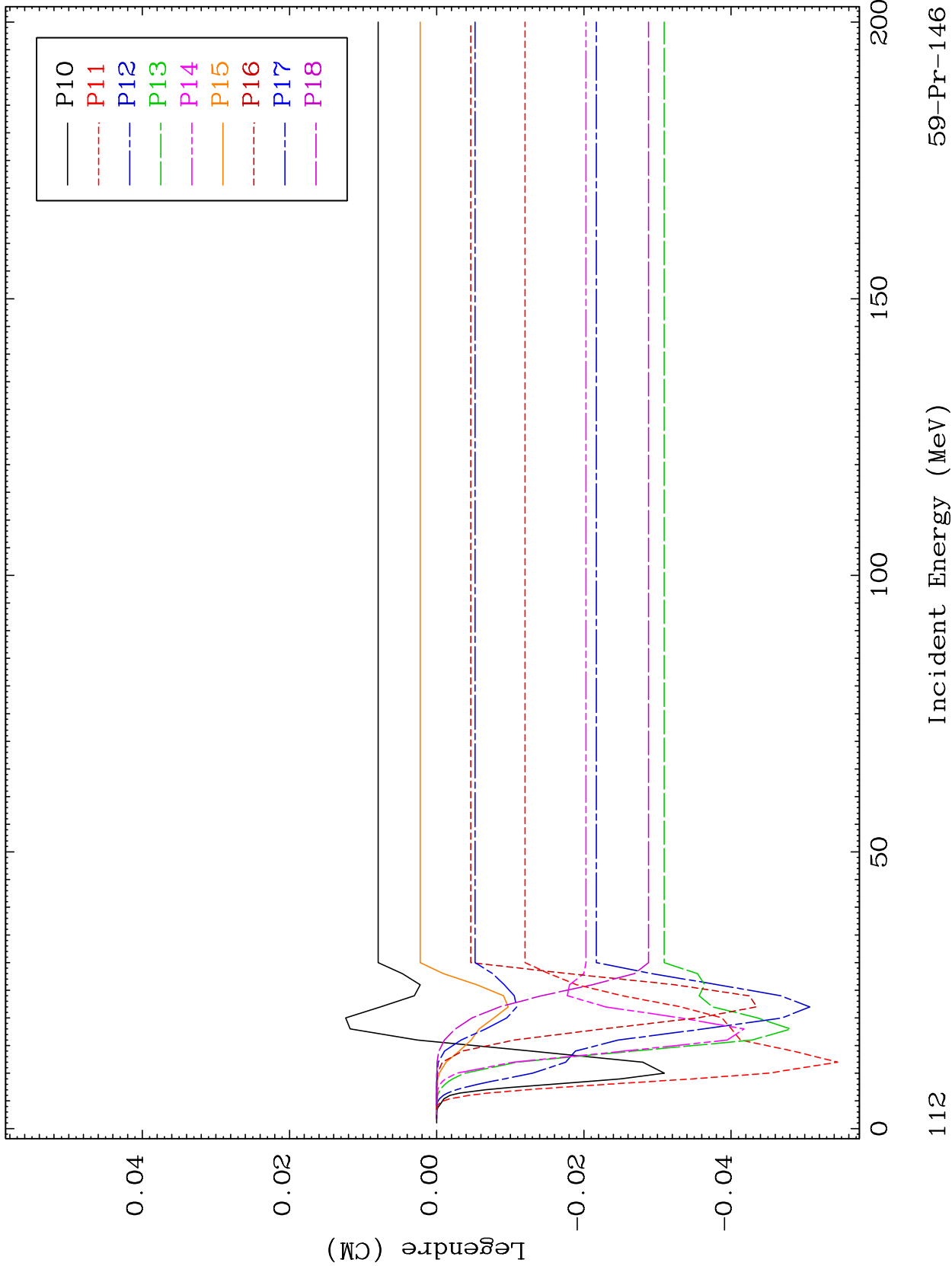
Incident Energy (MeV)

111

MAT 5940

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

59-Pr-146



59-Pr-146

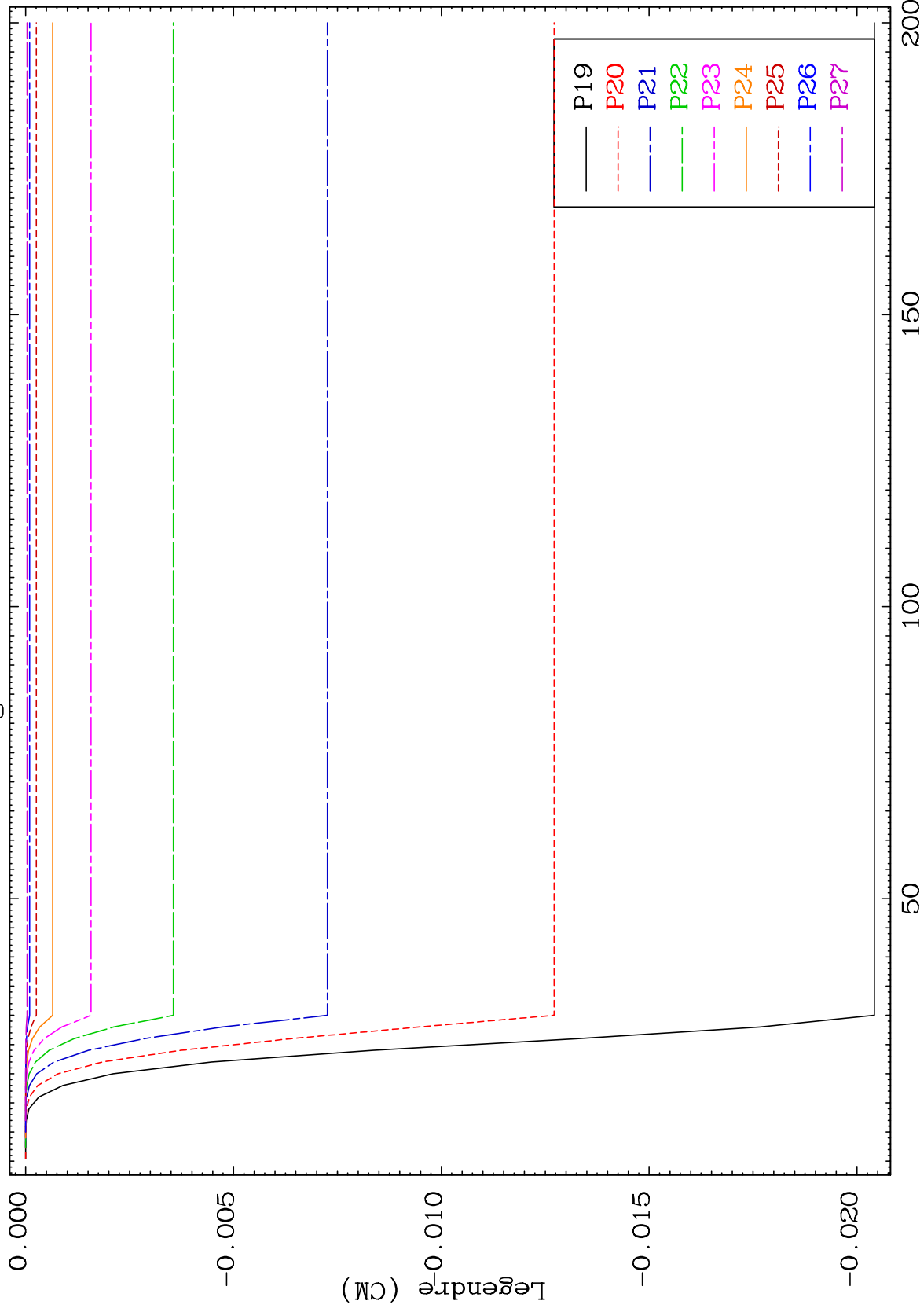
Incident Energy (MeV)

112

MAT 5940

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

59-Pr-146



113

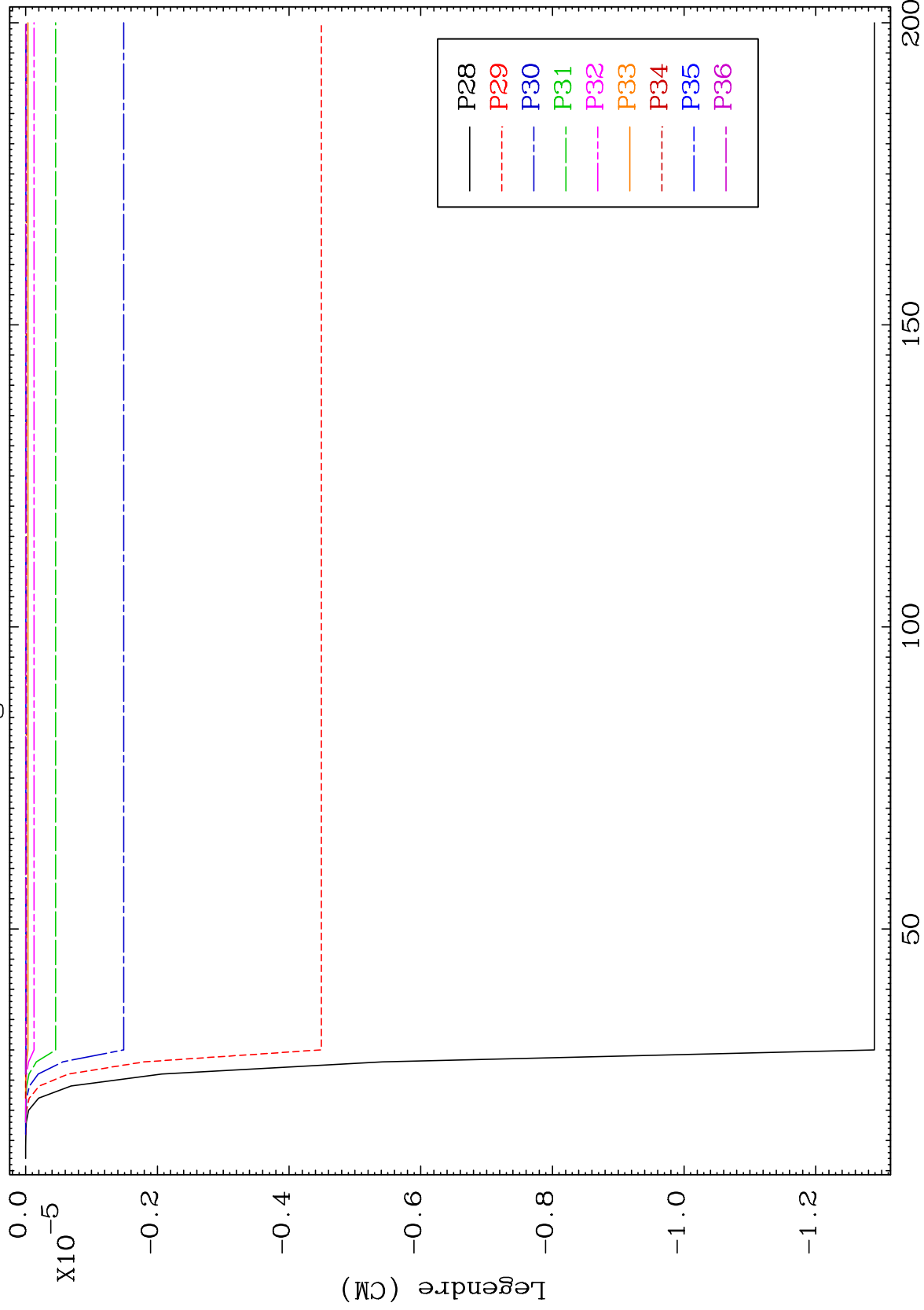
Incident Energy (MeV)

59-Pr-146

MAT 5940

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

59-Pr-146



114

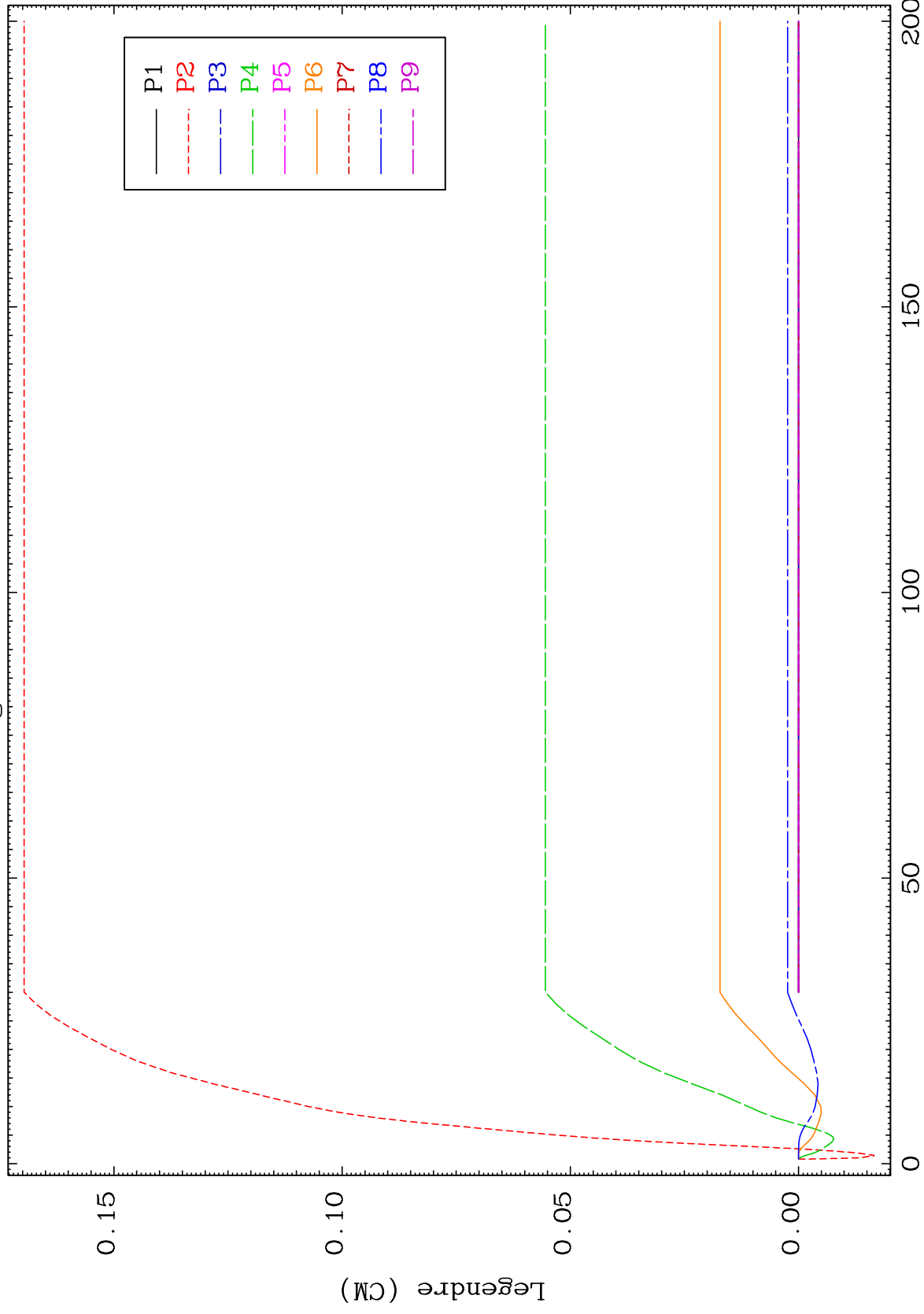
Incident Energy (MeV)

59-Pr-146

MAT 5940

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

59-Pr-146



59-Pr-146

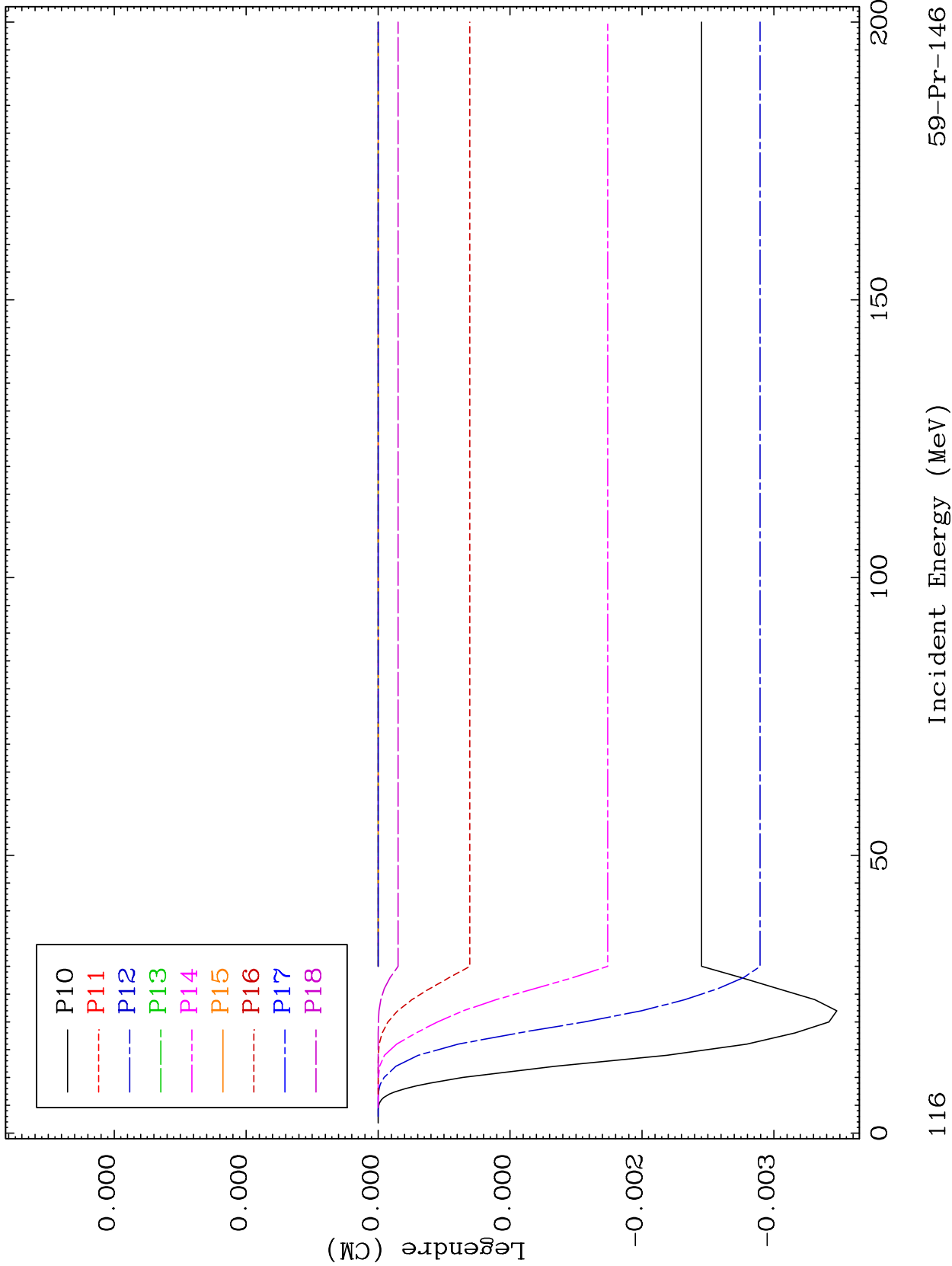
Incident Energy (MeV)

115

MAT 5940

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

59-Pr-146



116

Incident Energy (MeV)

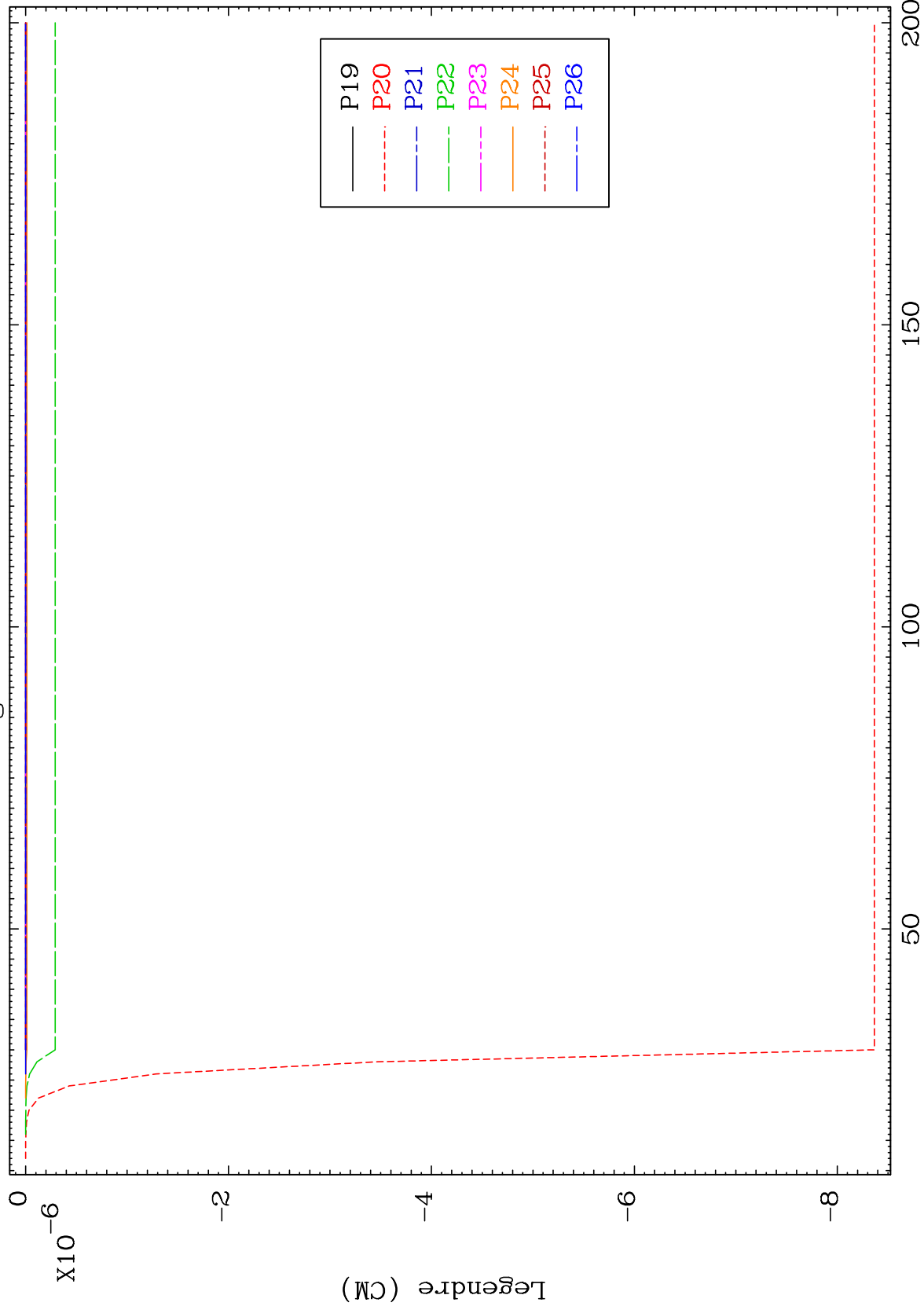
59-Pr-146

MAT 5940

MT= 78 (n,n') Level

59-Pr-146

Legendre Coefficients



59-Pr-146

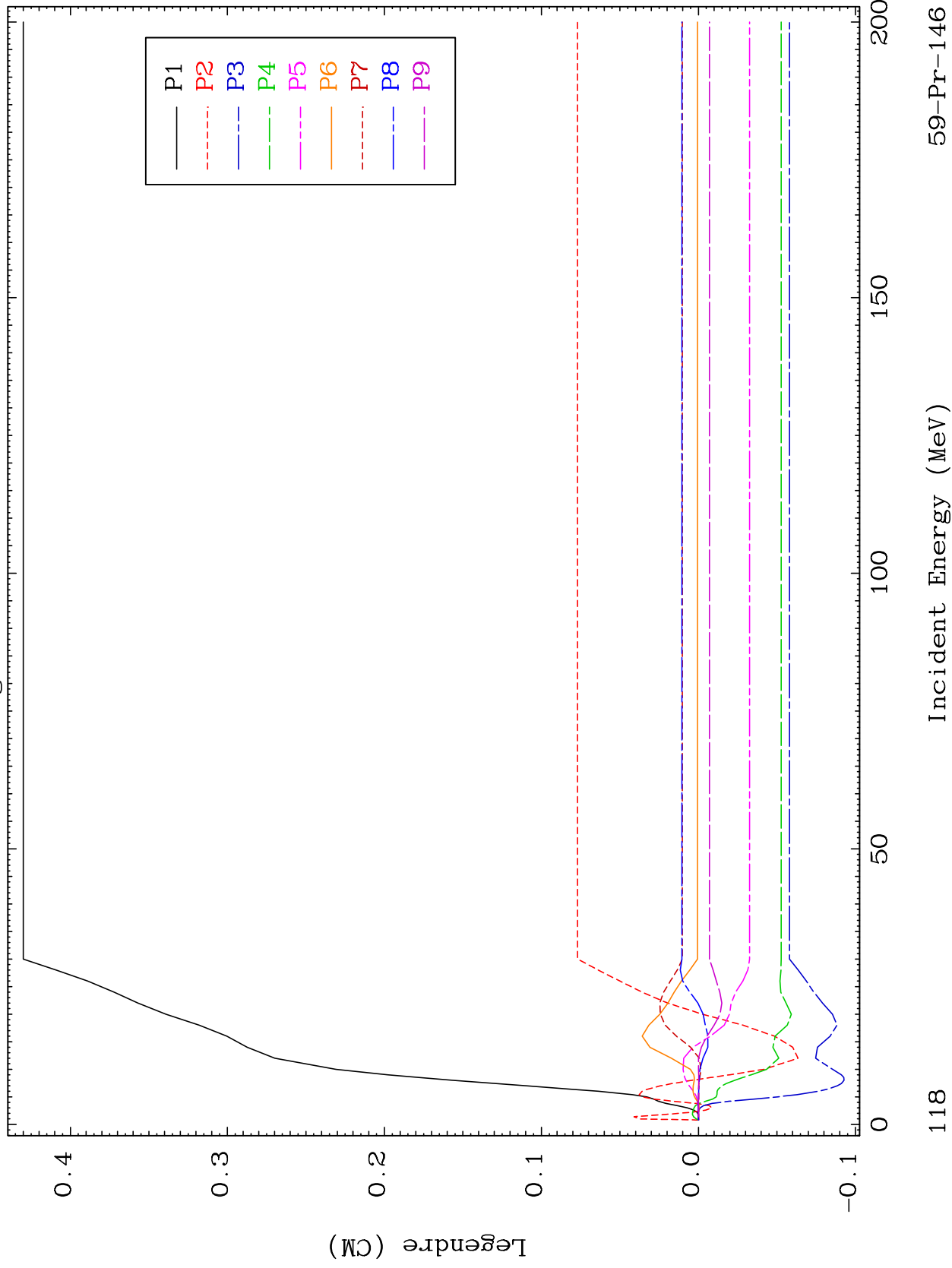
Incident Energy (MeV)

117

MAT 5940

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

59-Pr-146



59-Pr-146

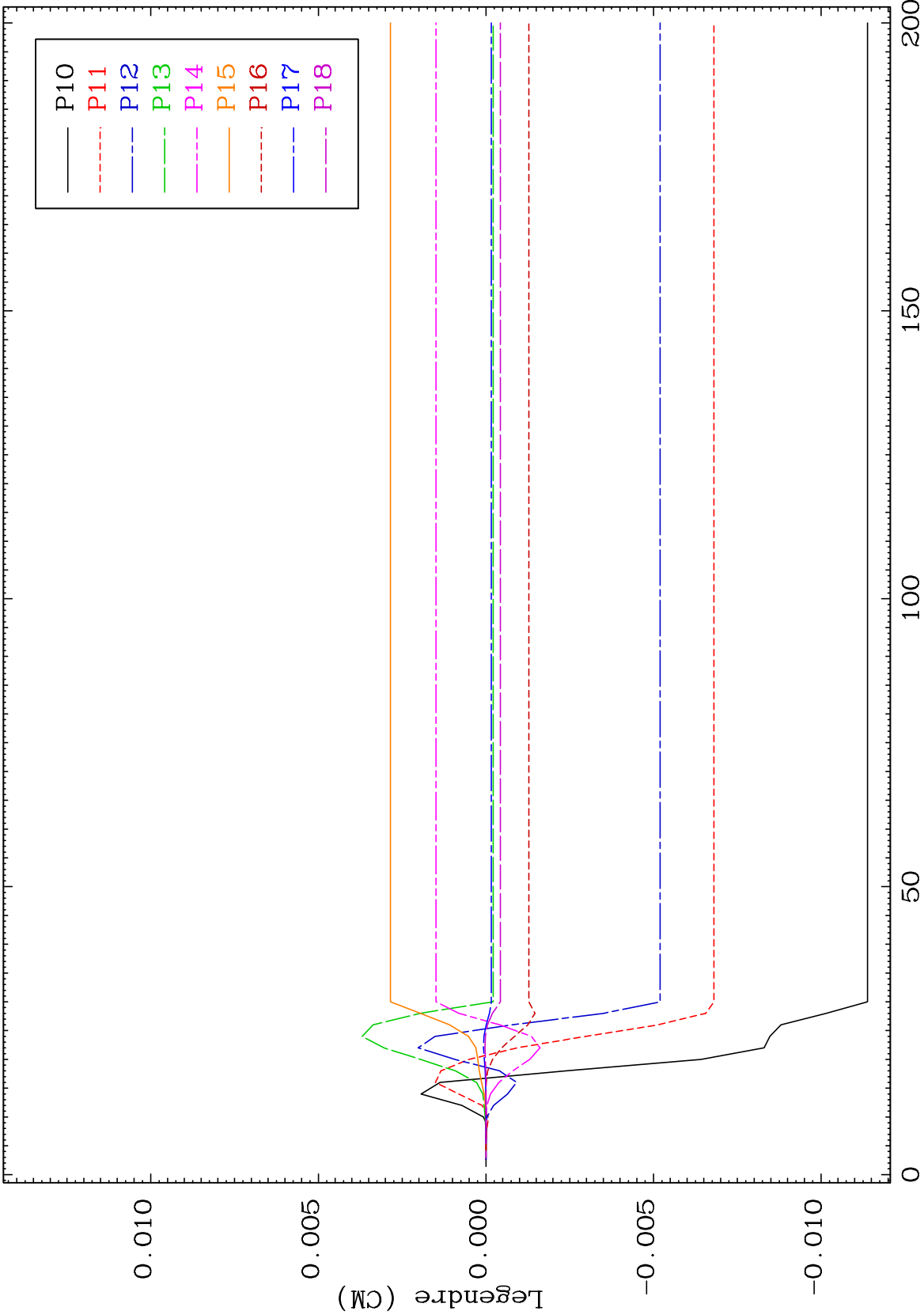
Incident Energy (MeV)

118

MAT 5940

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

59-Pr-146



119

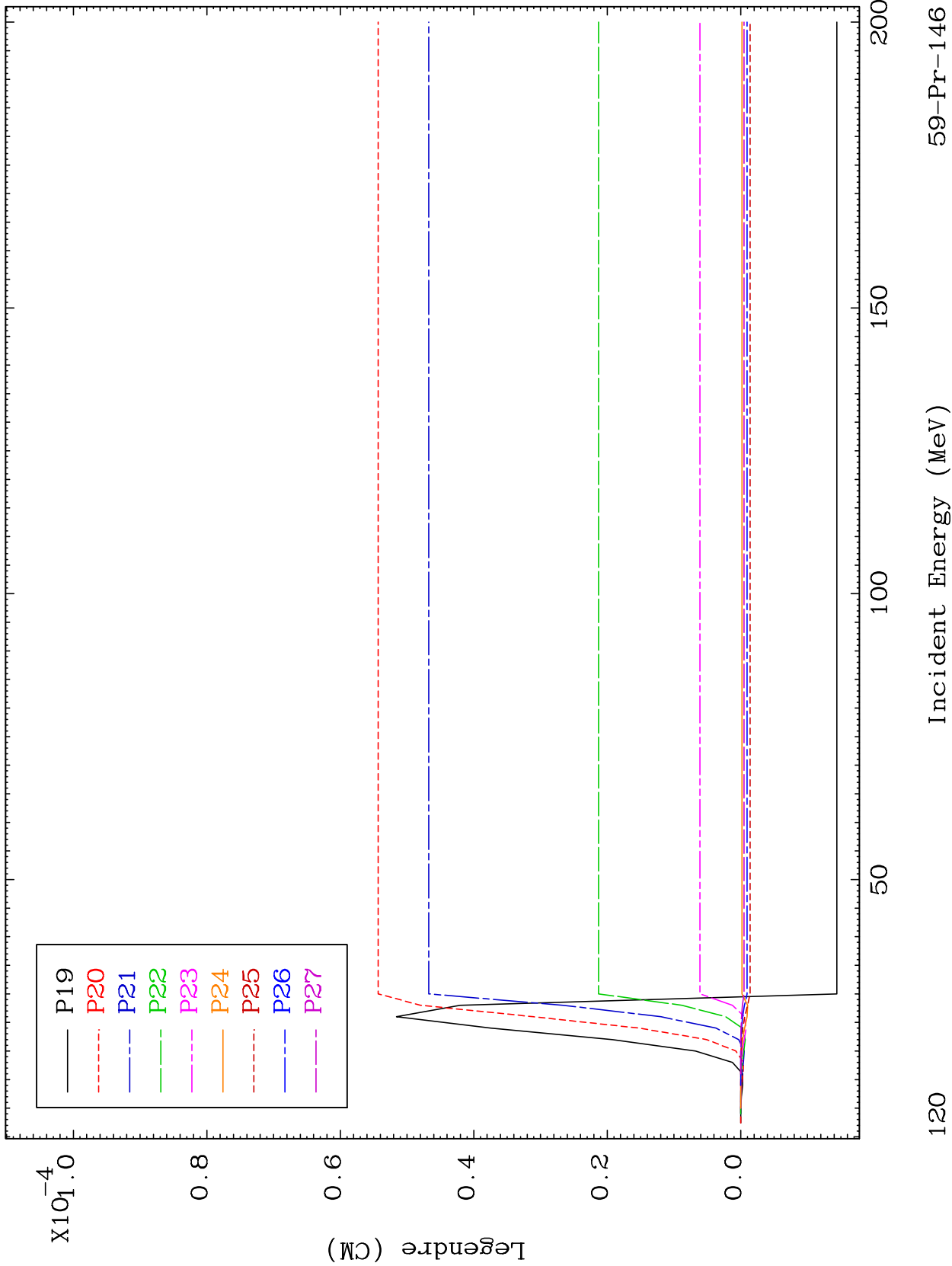
Incident Energy (MeV)

59-Pr-146

MAT 5940

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

59-Pr-146



120

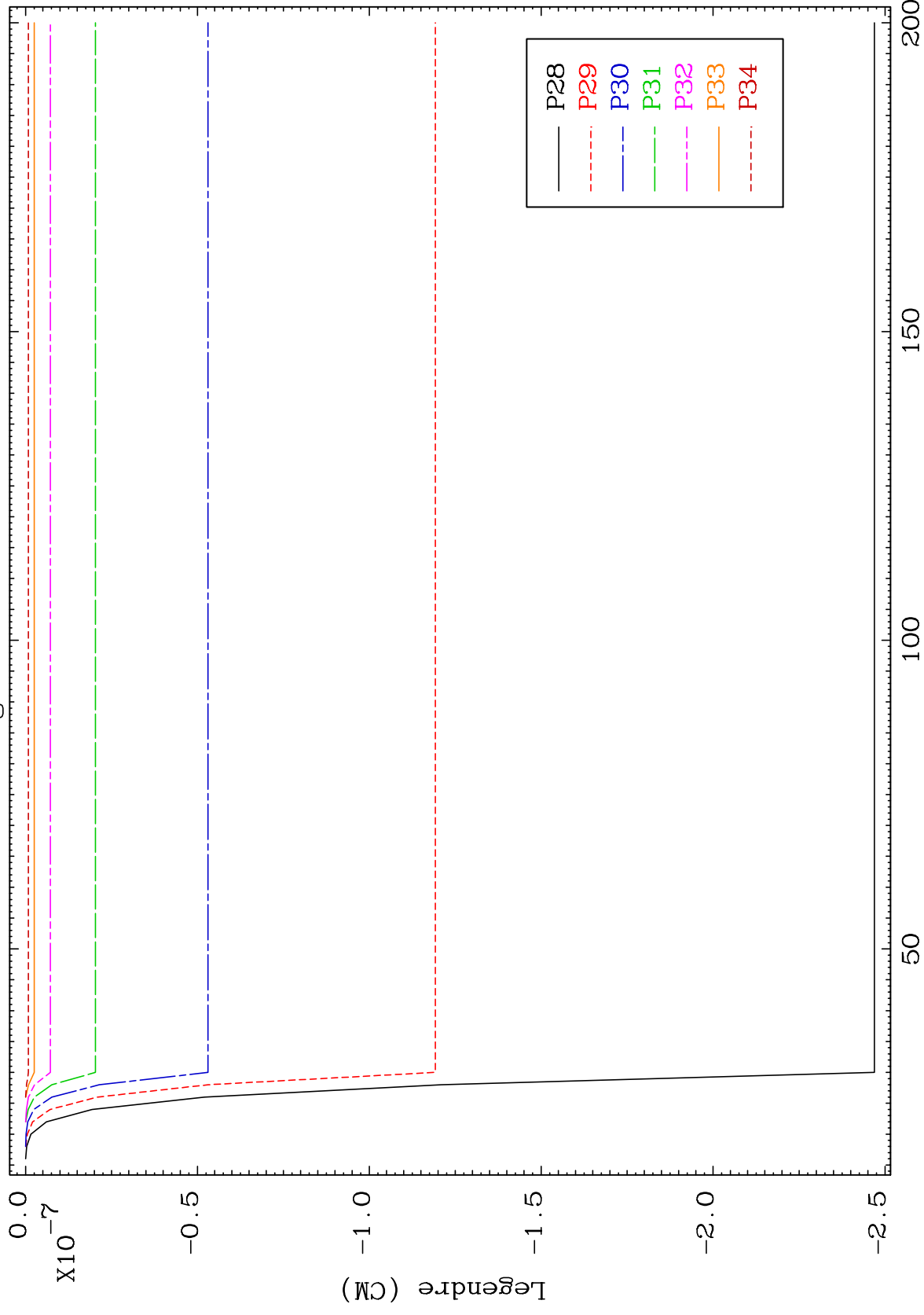
Incident Energy (MeV)

59-Pr-146

MAT 5940

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

59-Pr-146



121

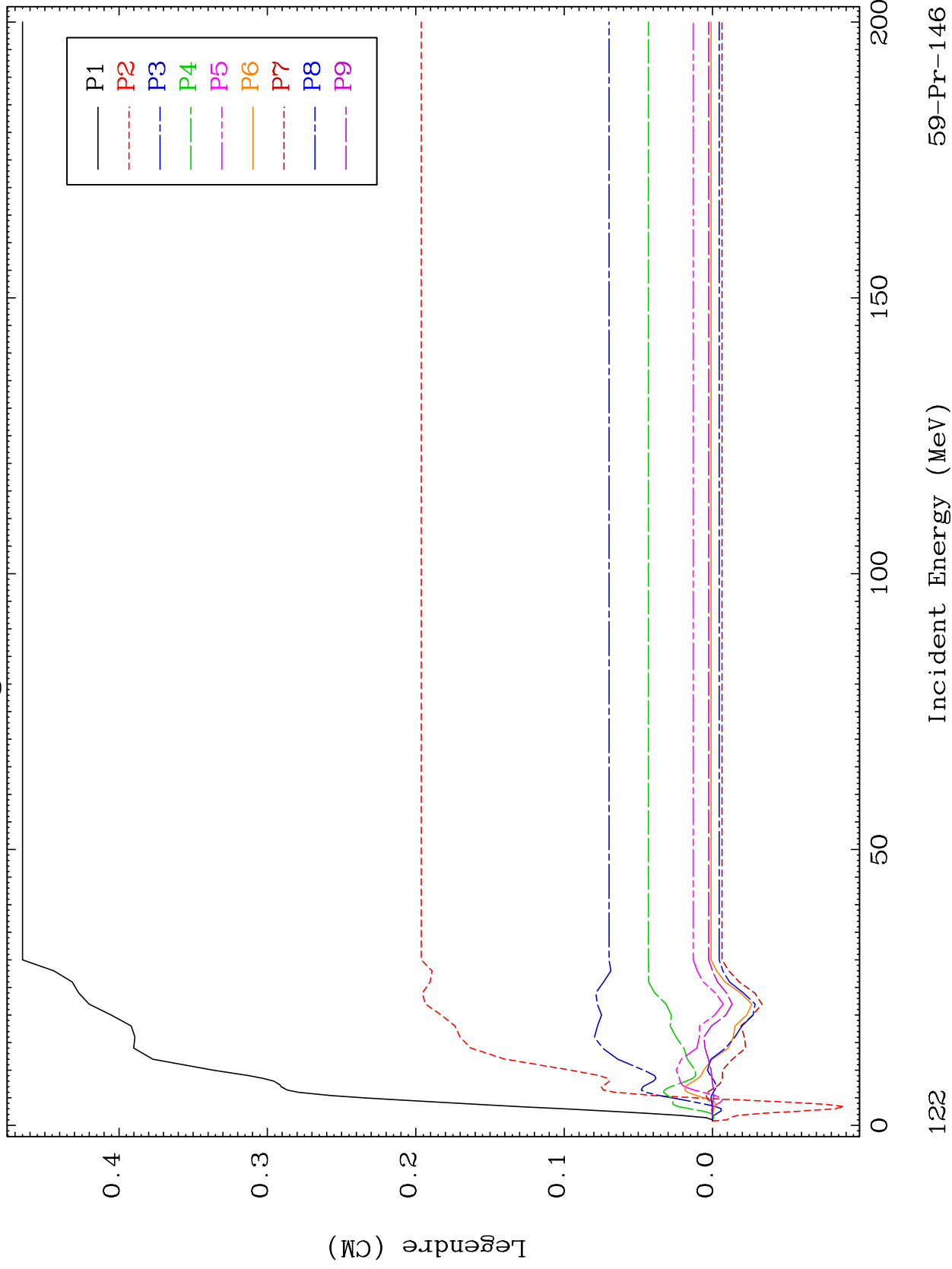
Incident Energy (MeV)

59-Pr-146

MAT 5940

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

59-Pr-146



59-Pr-146

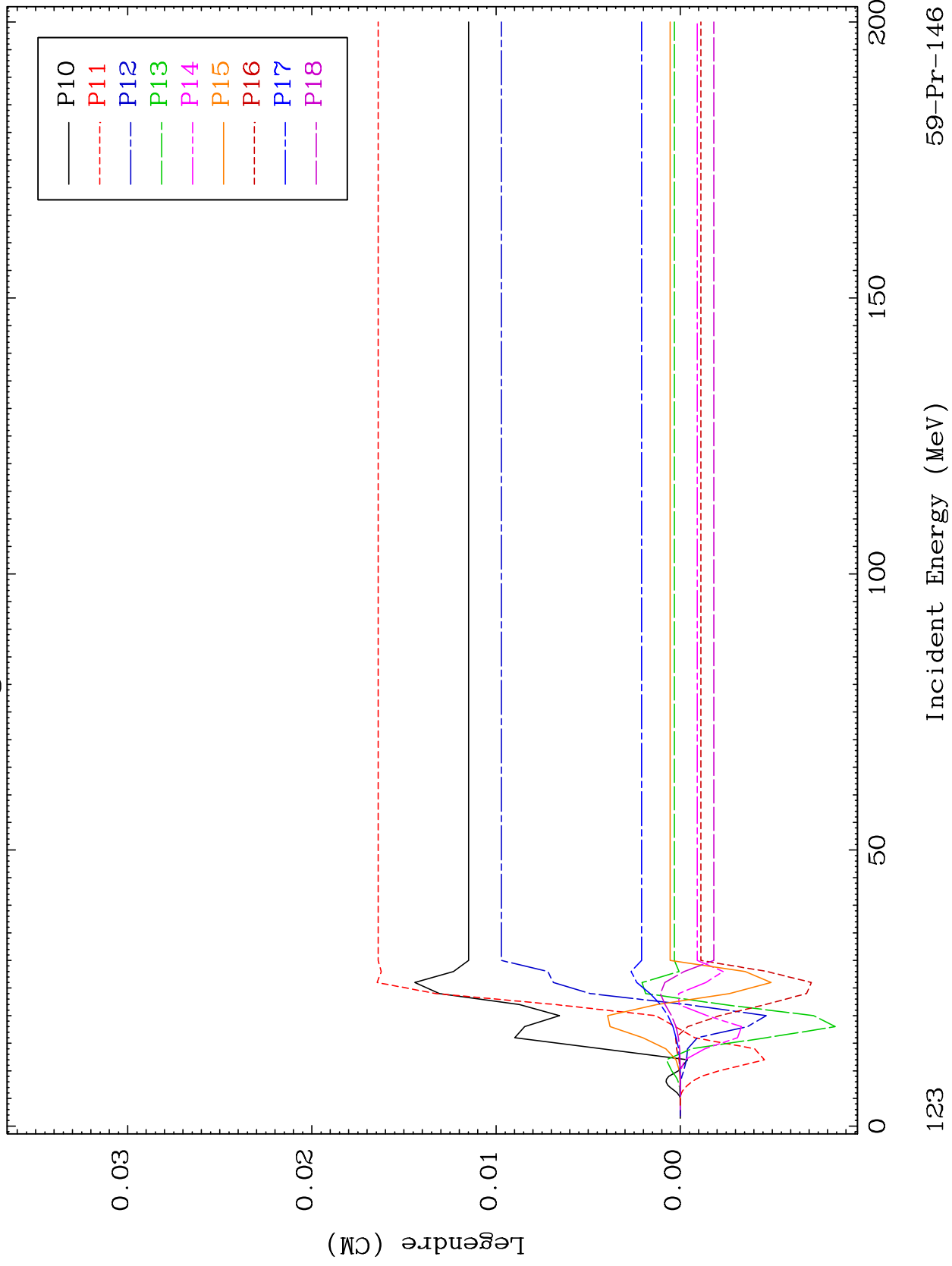
Incident Energy (MeV)

122

MAT 5940

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

59-Pr-146



59-Pr-146

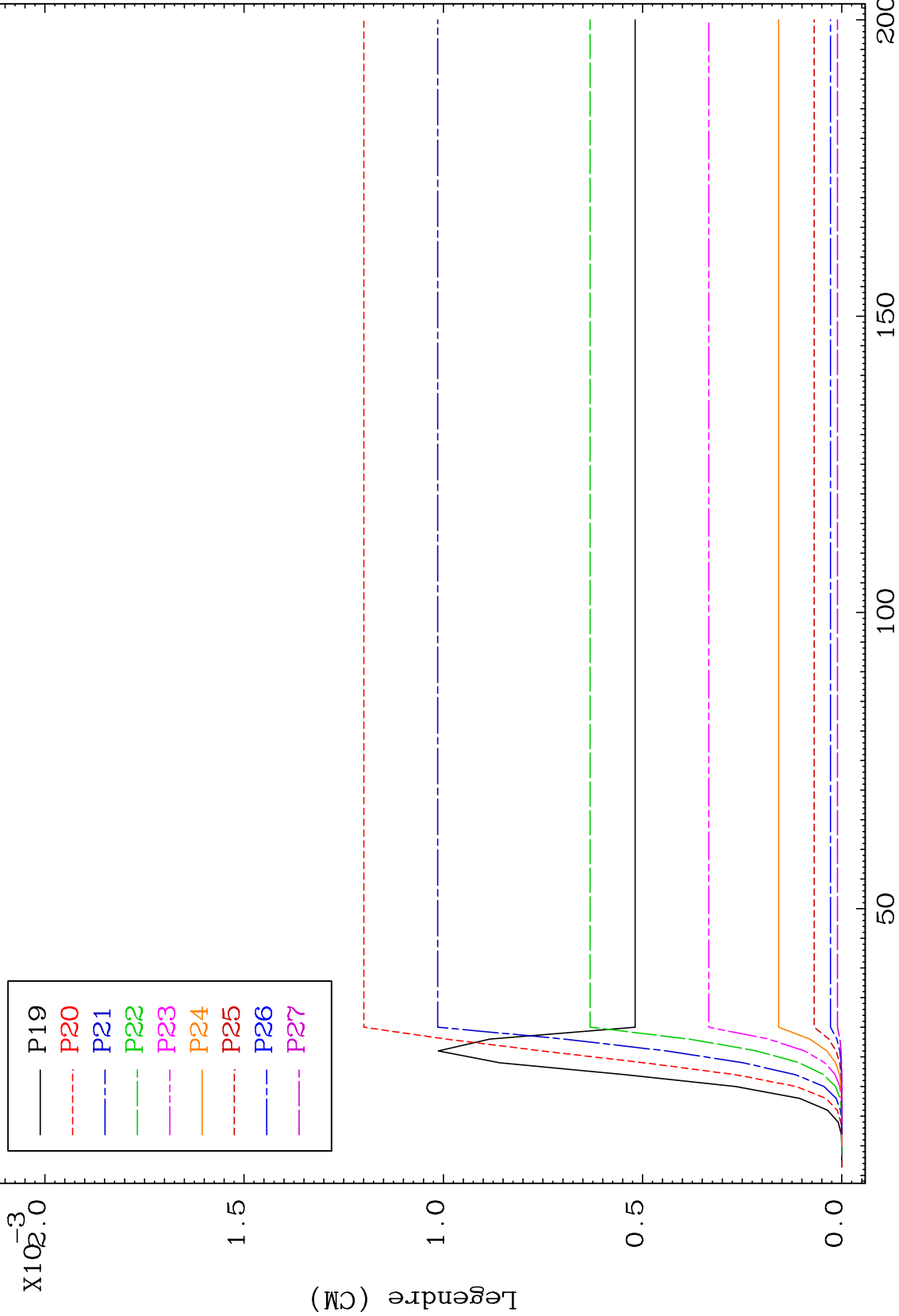
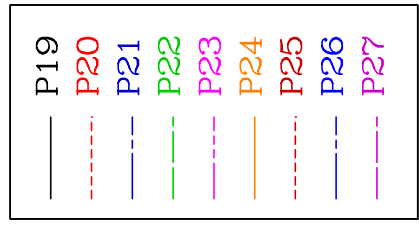
Incident Energy (MeV)

123

MAT 5940

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

59-Pr-146



124

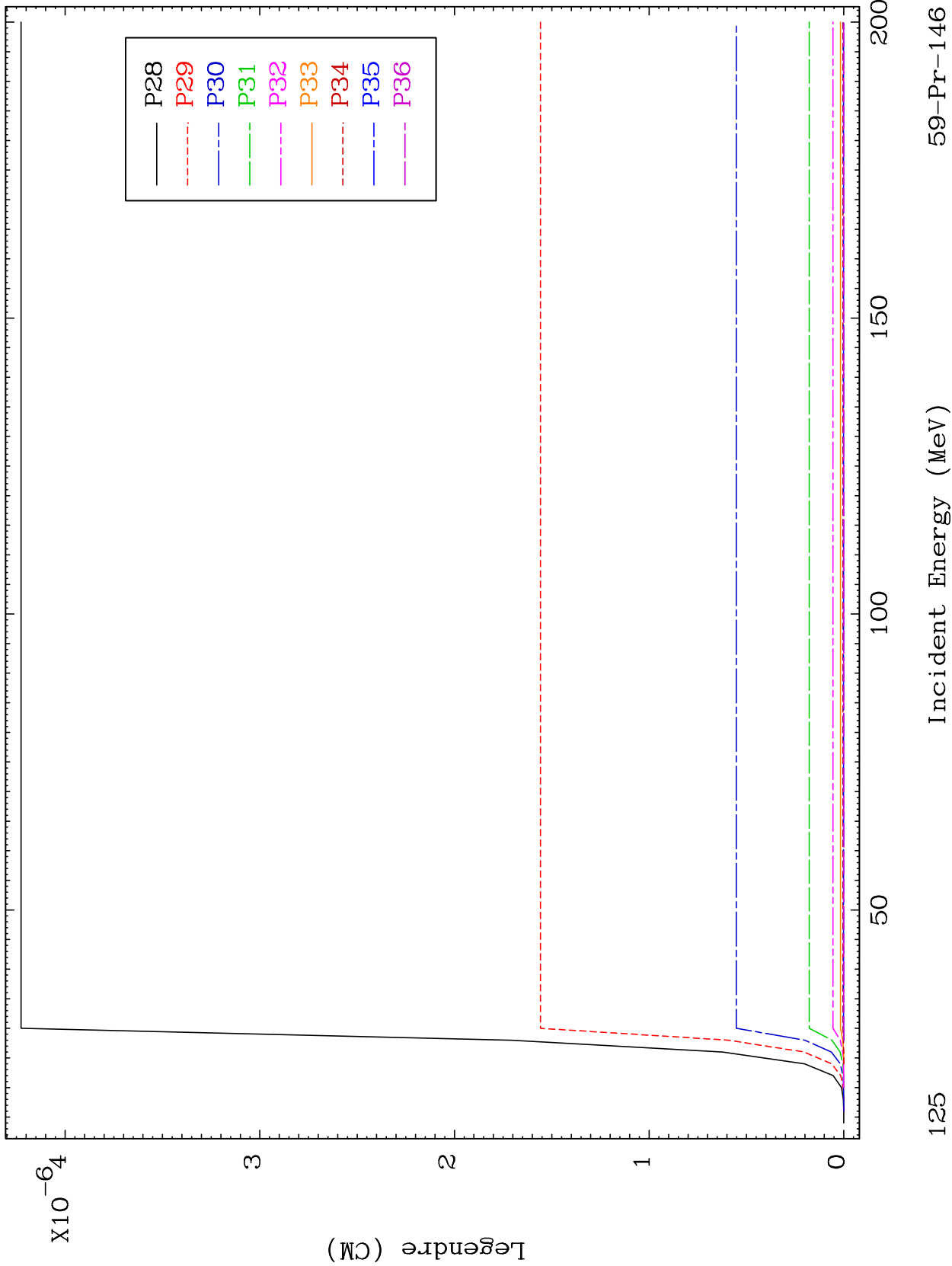
Incident Energy (MeV)

59-Pr-146

MAT 5940

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

59-Pr-146



125

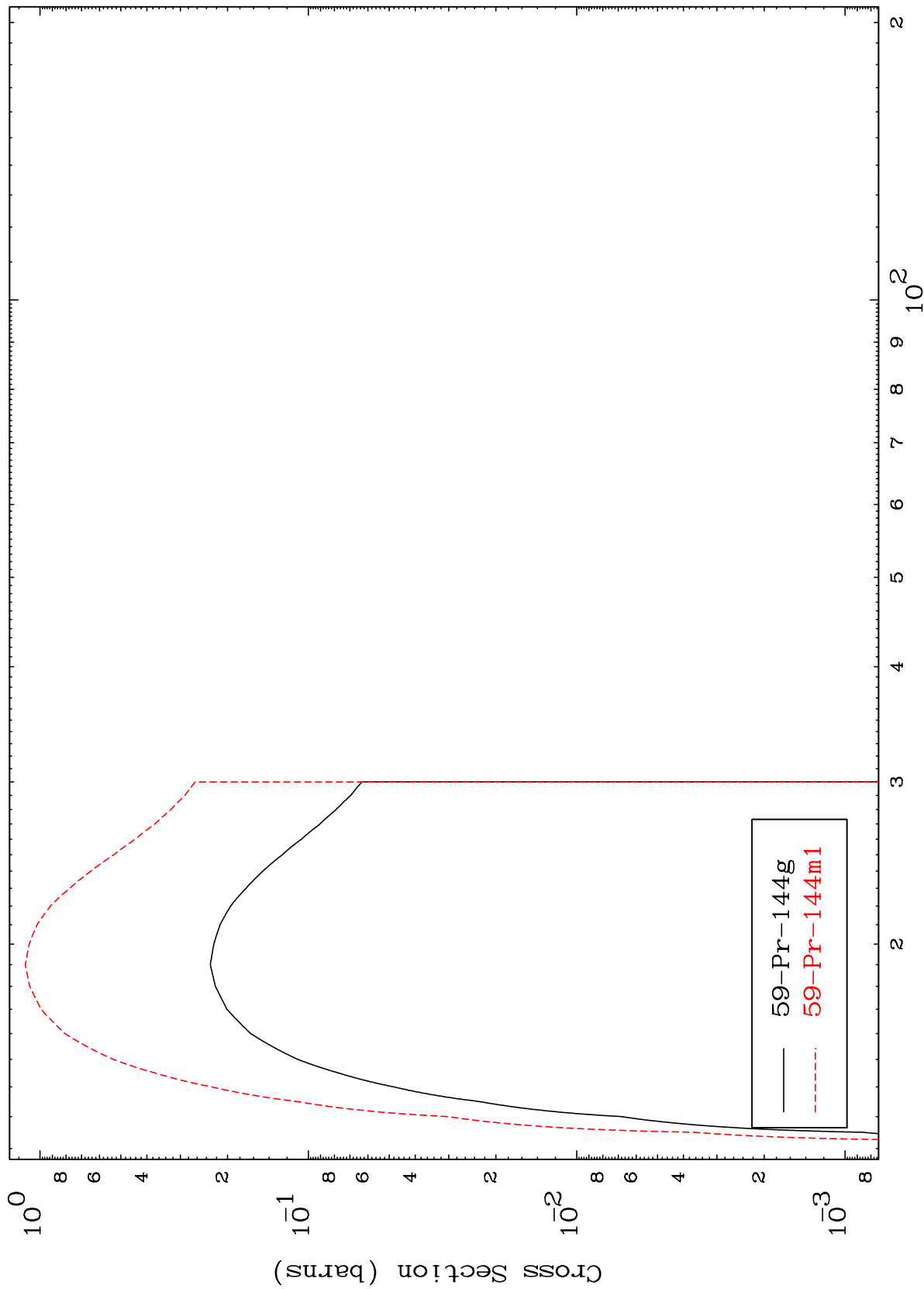
Incident Energy (MeV)

59-Pr-146

MAT 5940

59-Pr-146

(n,3n)
Radionuclide Production Cross Section



126

Incident Energy (MeV)

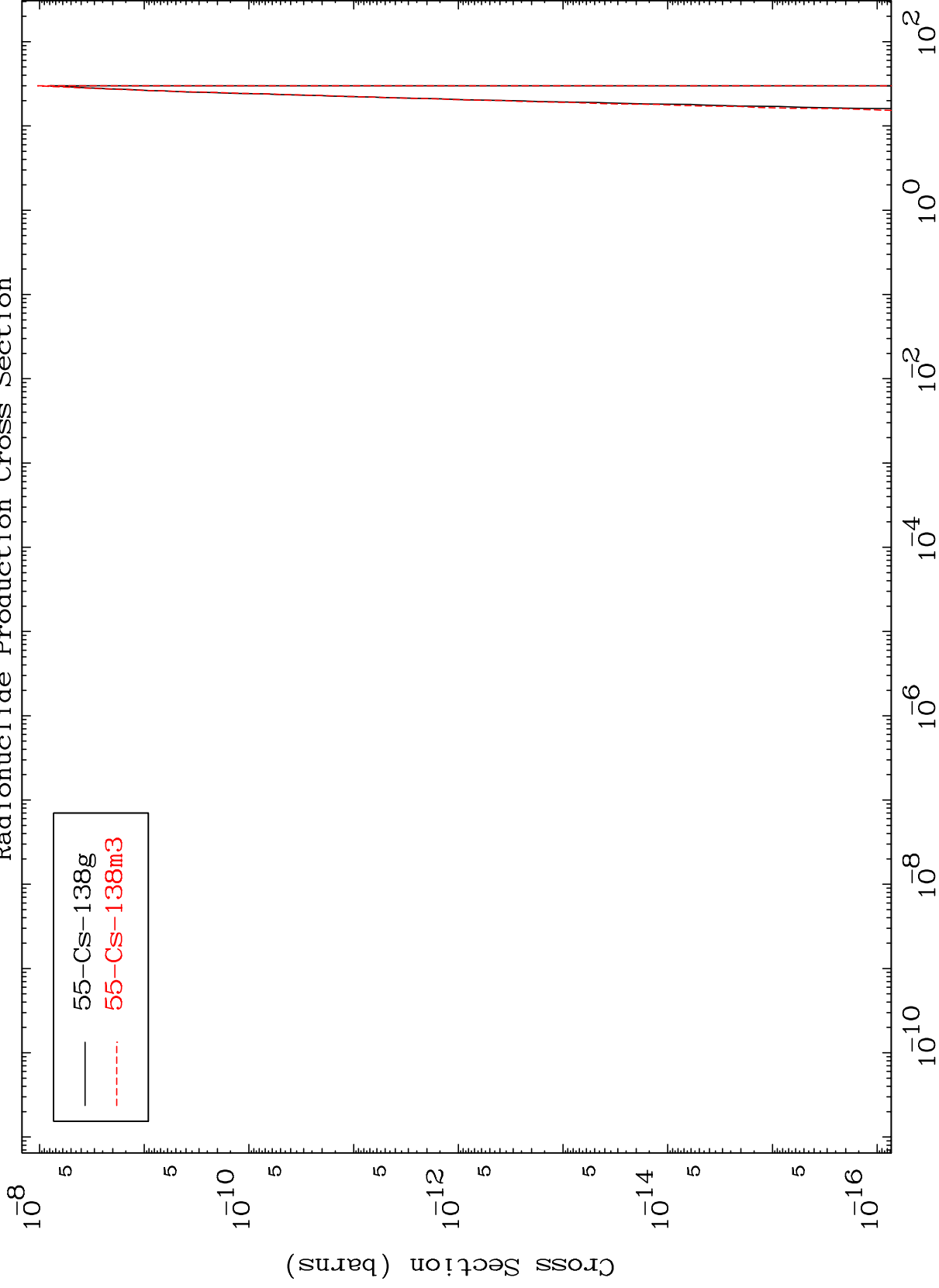
59-Pr-146

MAT 5940

(n,n') 2α

59-Pr-146

Radionuclide Production Cross Section



127

Incident Energy (MeV)

59-Pr-146