

Program EVALPLOT
(Version 2021-1)

by

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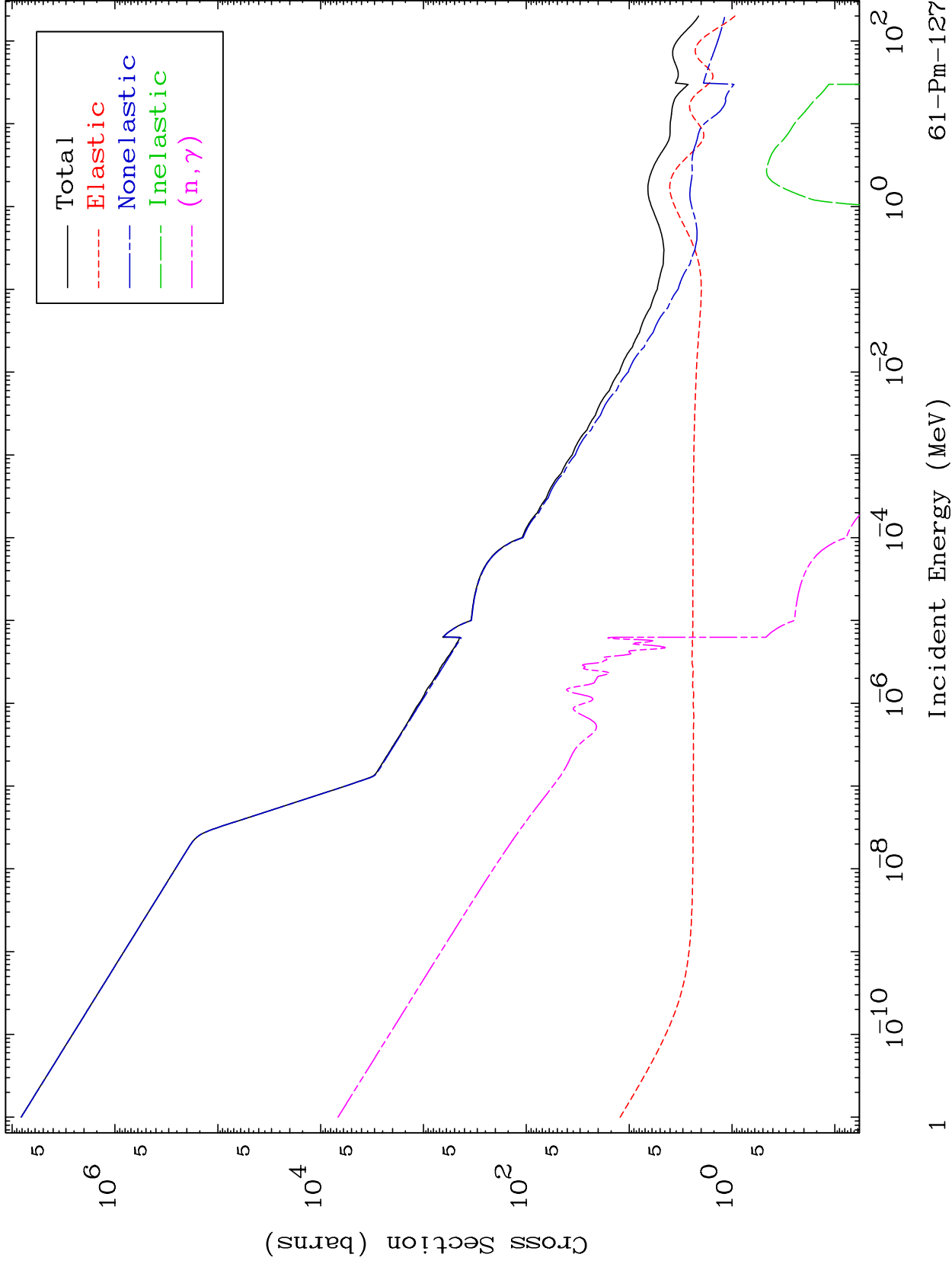
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6089

Neutron Major
293 Kelvin Cross Sections

61-Pm-127



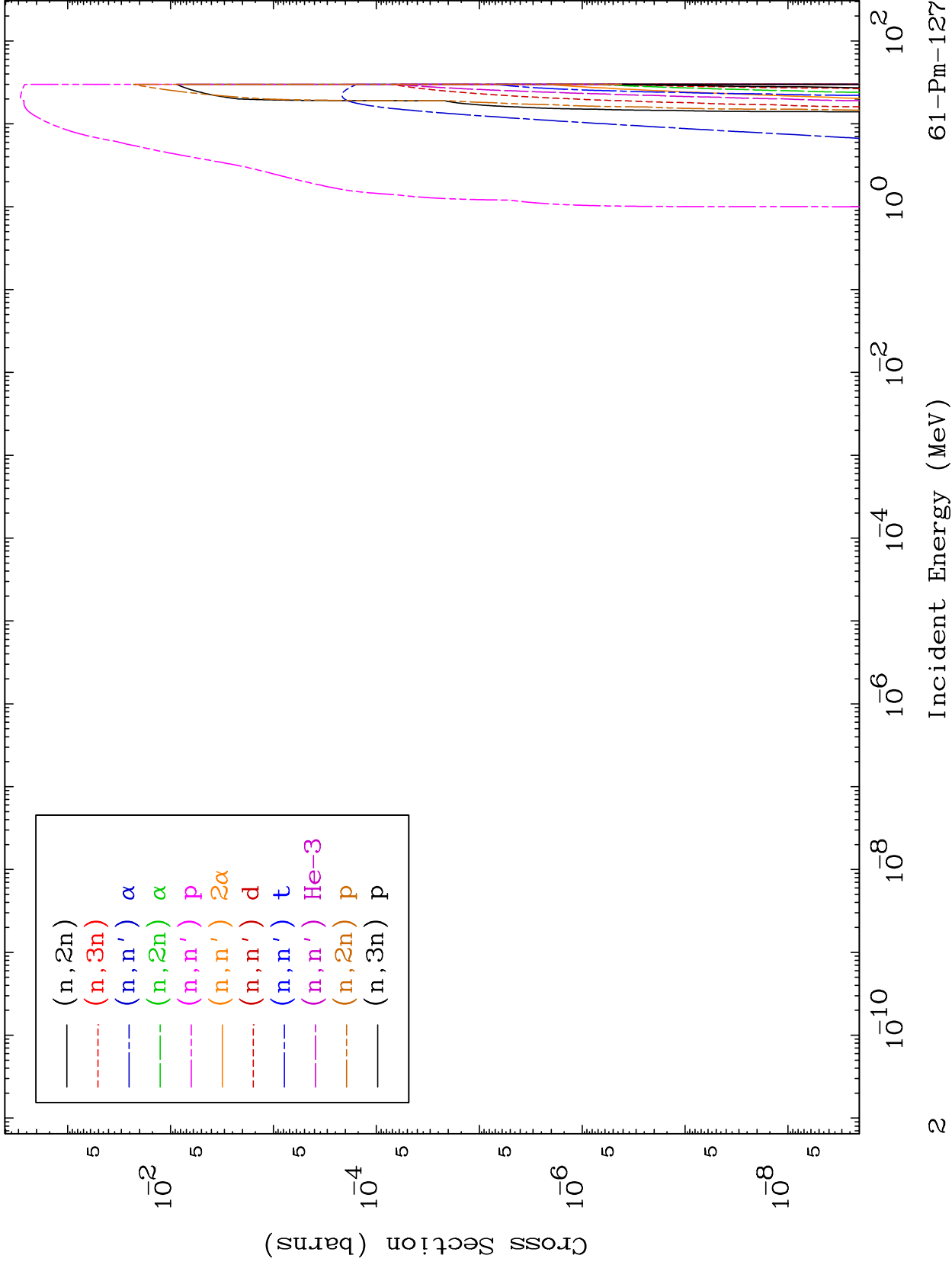
1

61-Pm-127

MAT 6089

Neutron Absorption
293 Kelvin Cross Sections

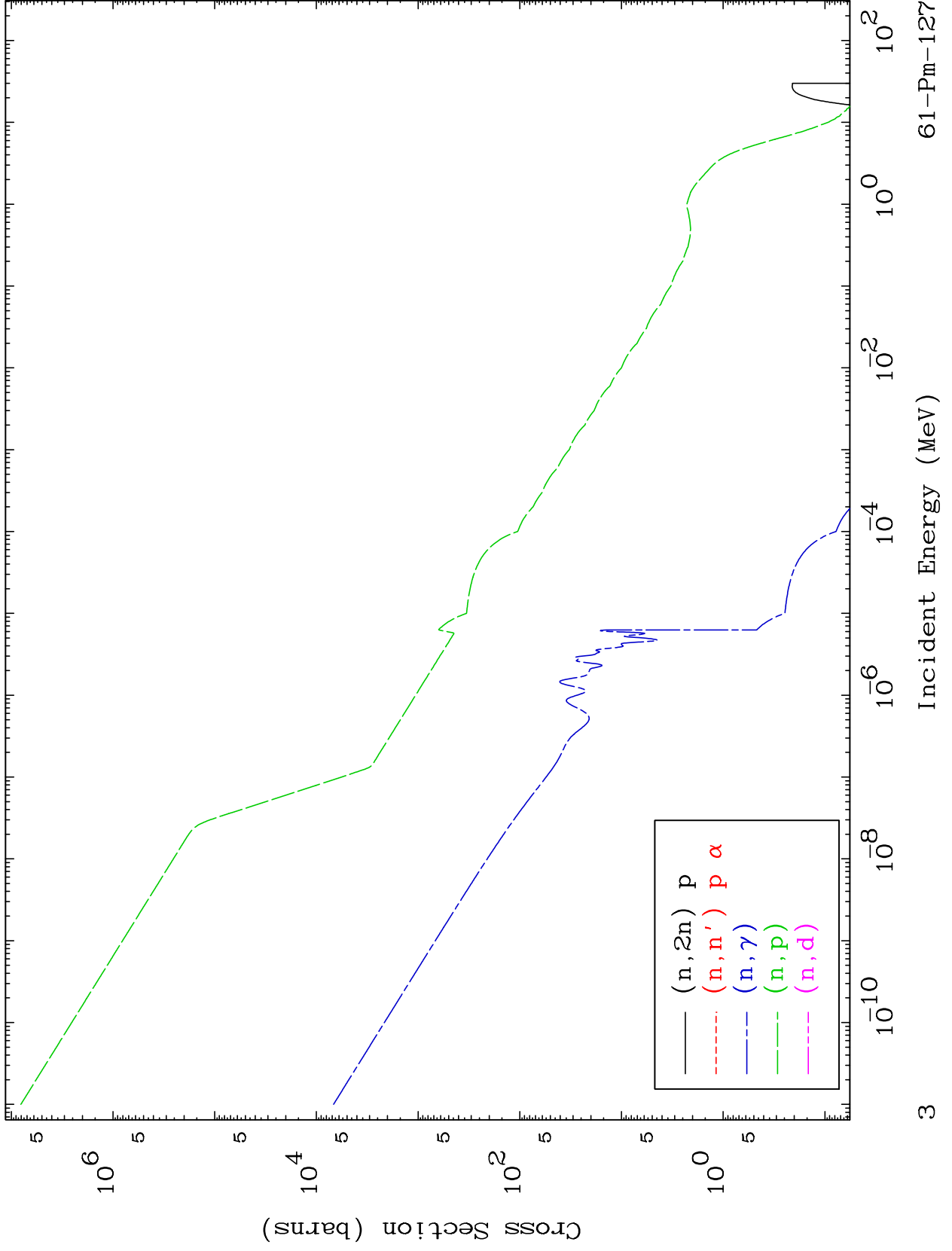
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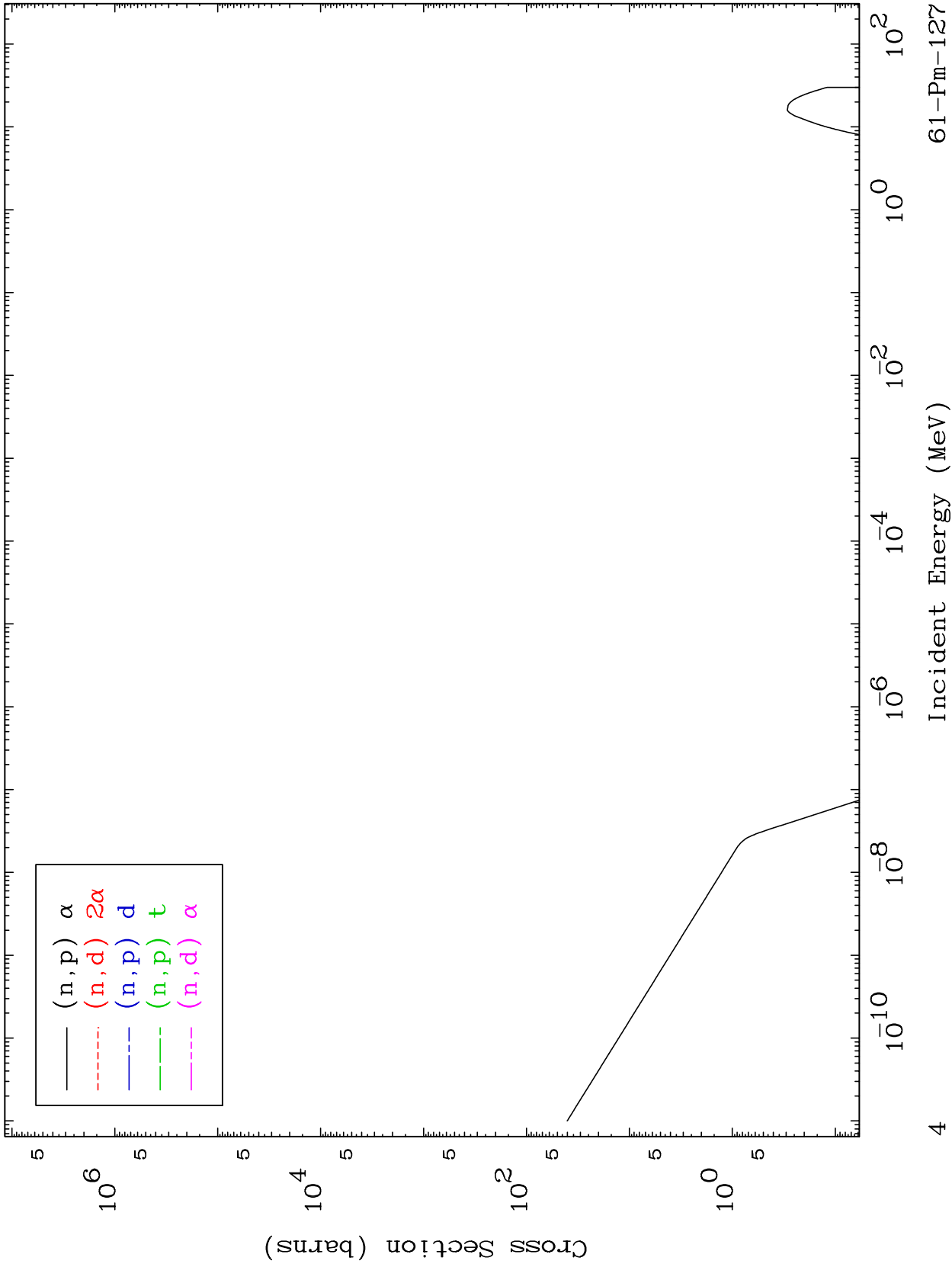


MAT 6089

Neutron Absorption
293 Kelvin Cross Sections

61-Pm-127

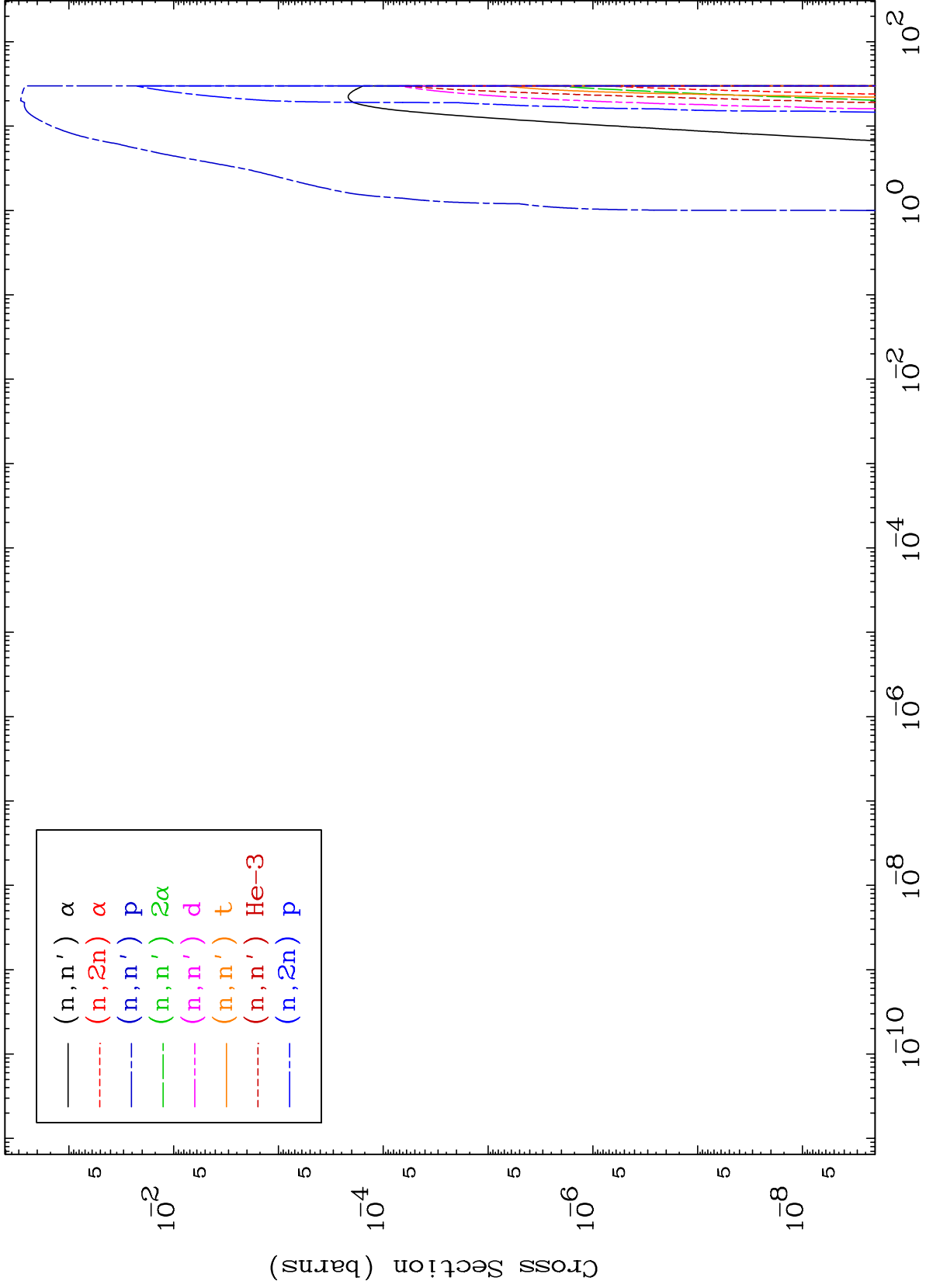




MAT 6089

Charged Particle
293 Kelvin Cross Sections

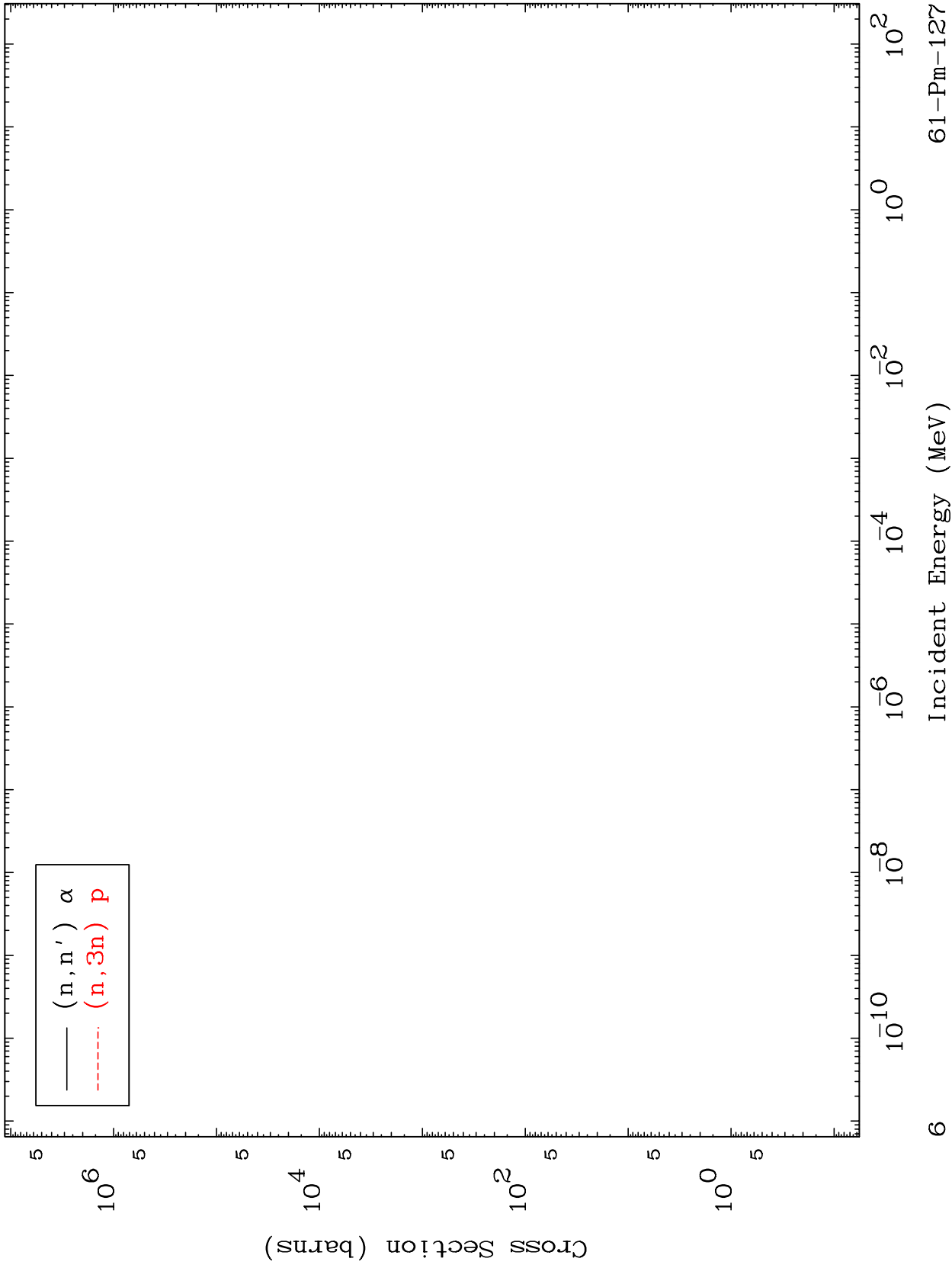
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MAT 6089

Charged Particle
293 Kelvin Cross Sections

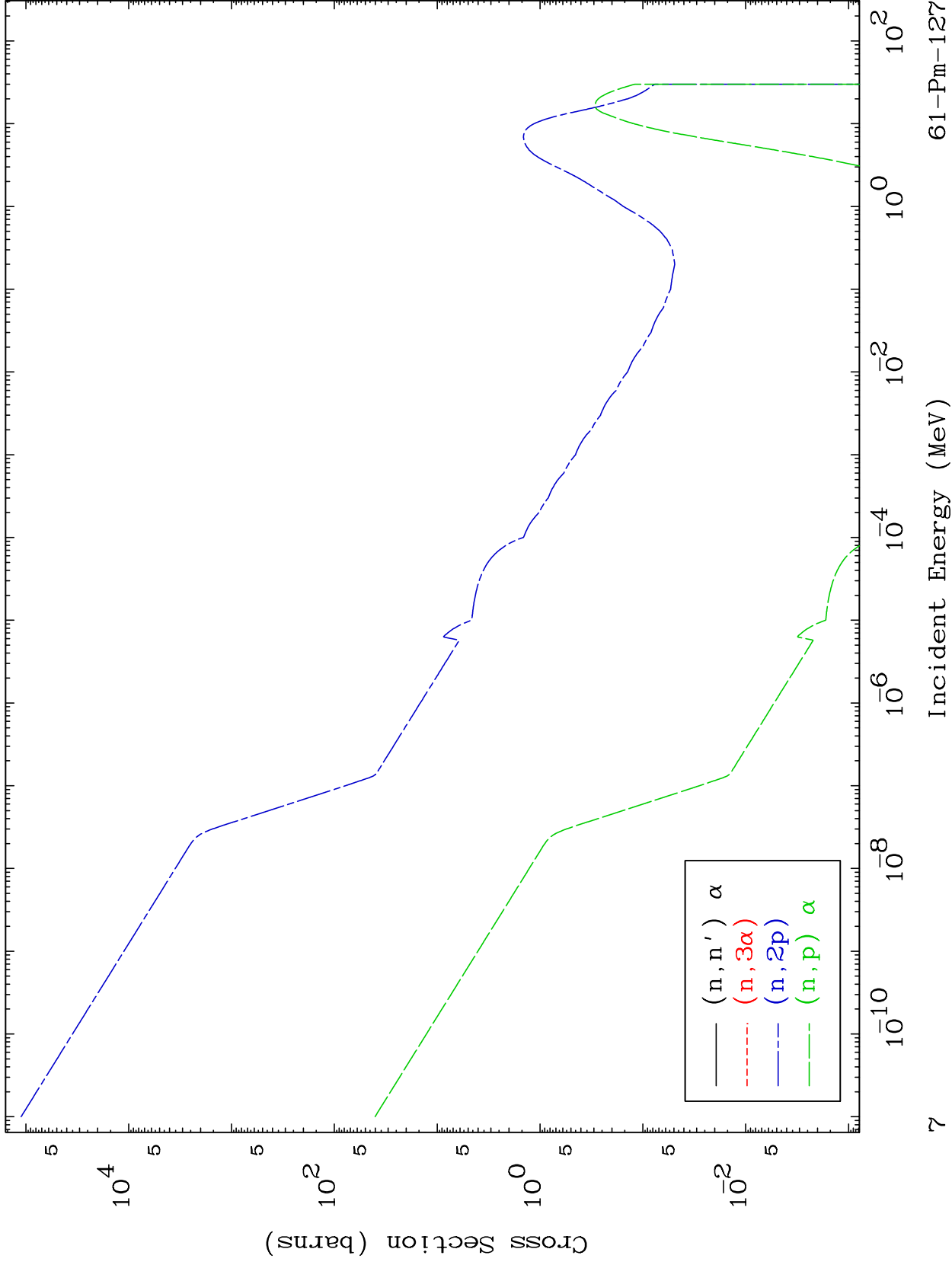
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MAT 6089

Charged Particle
293 Kelvin Cross Sections

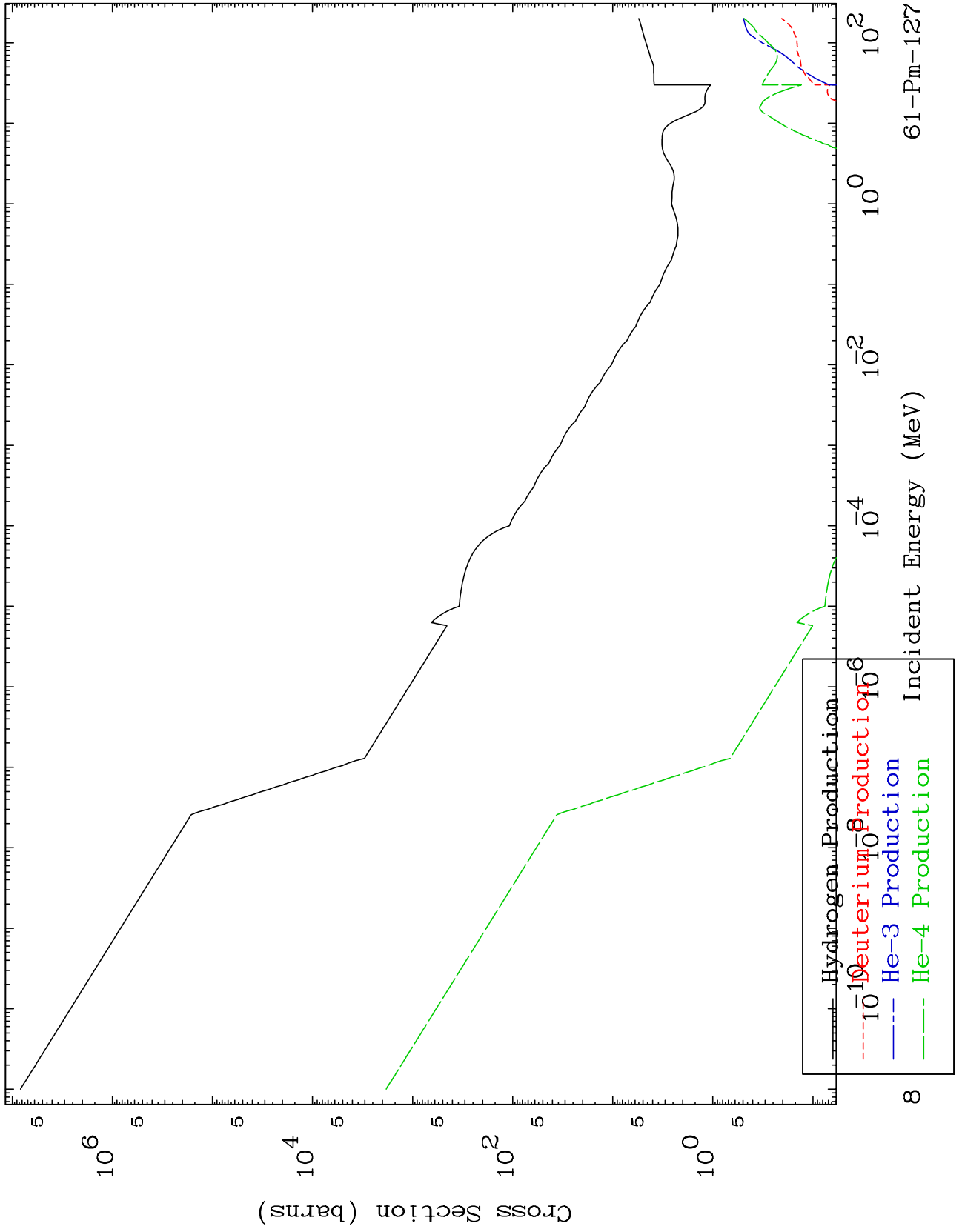
61-Pm-127



MAT 6089

Particle Production
293 Kelvin Cross Sections

61-Pm-127



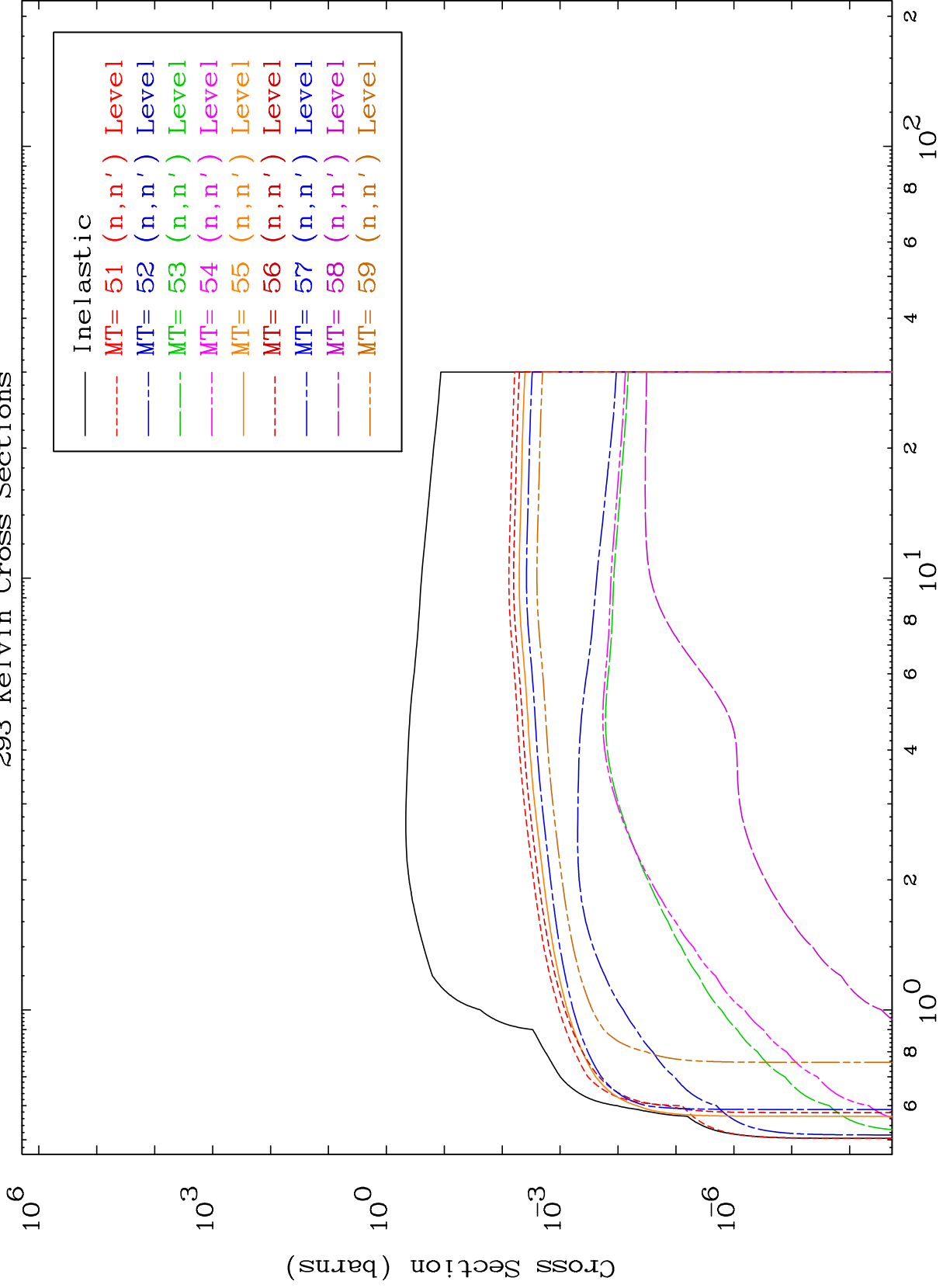
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MAT 6089

(n,n') Levels

61-Pm-127

293 Kelvin Cross Sections



9

Incident Energy (MeV)

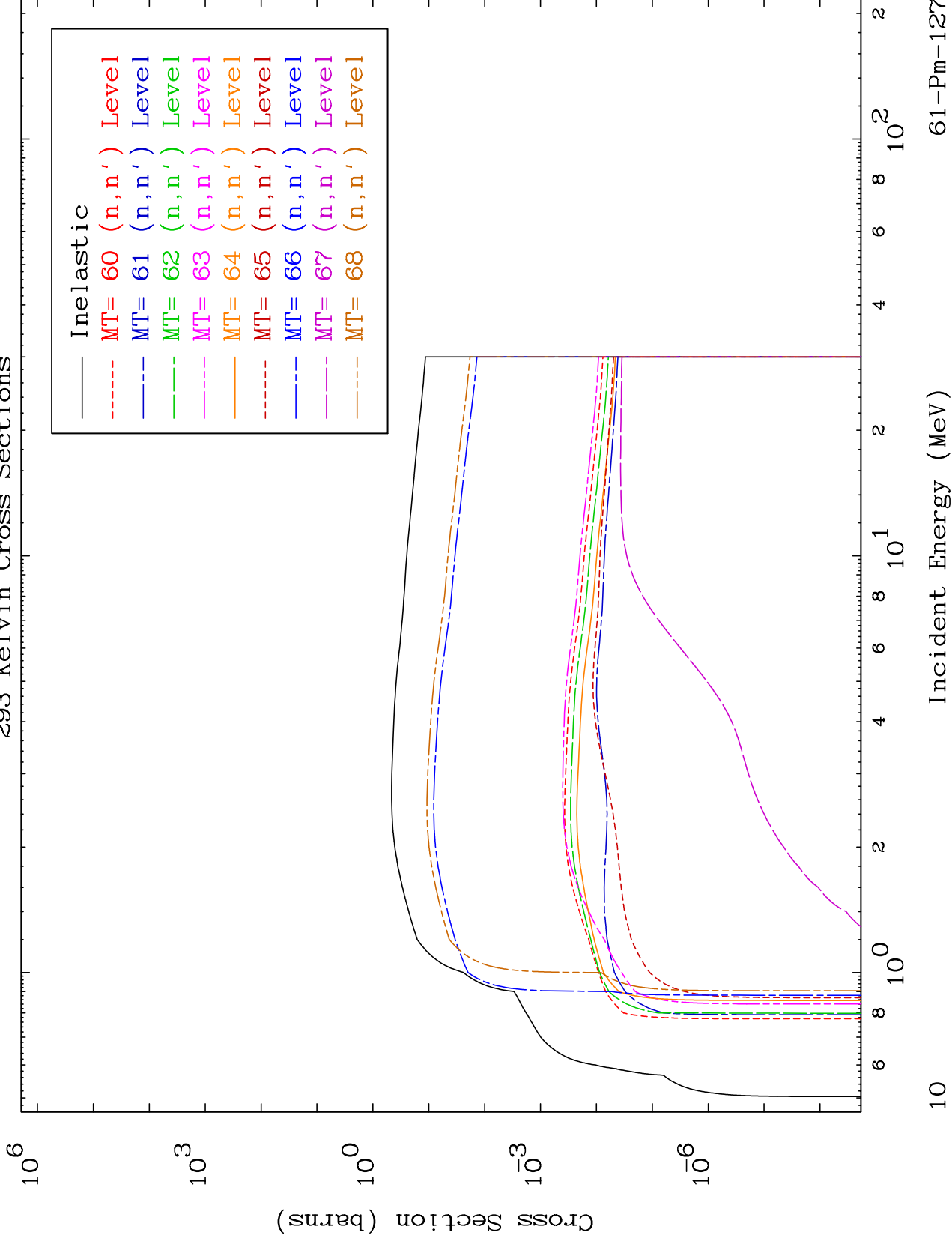
61-Pm-127

MAT 6089

(n,n') Levels

61-Pm-127

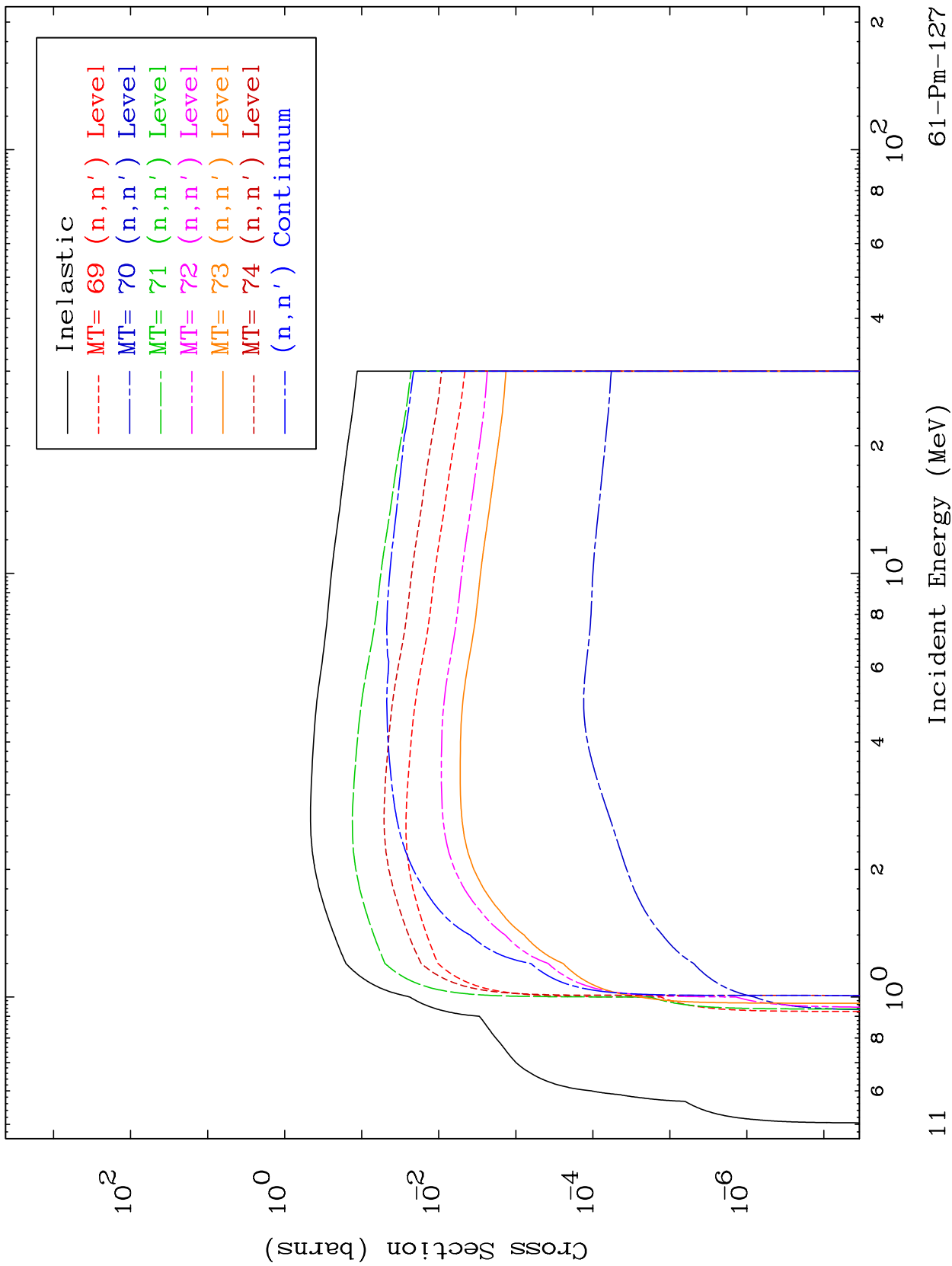
293 Kelvin Cross Sections



MAT 6089

(n,n') Levels
293 Kelvin Cross Sections

61-Pm-127



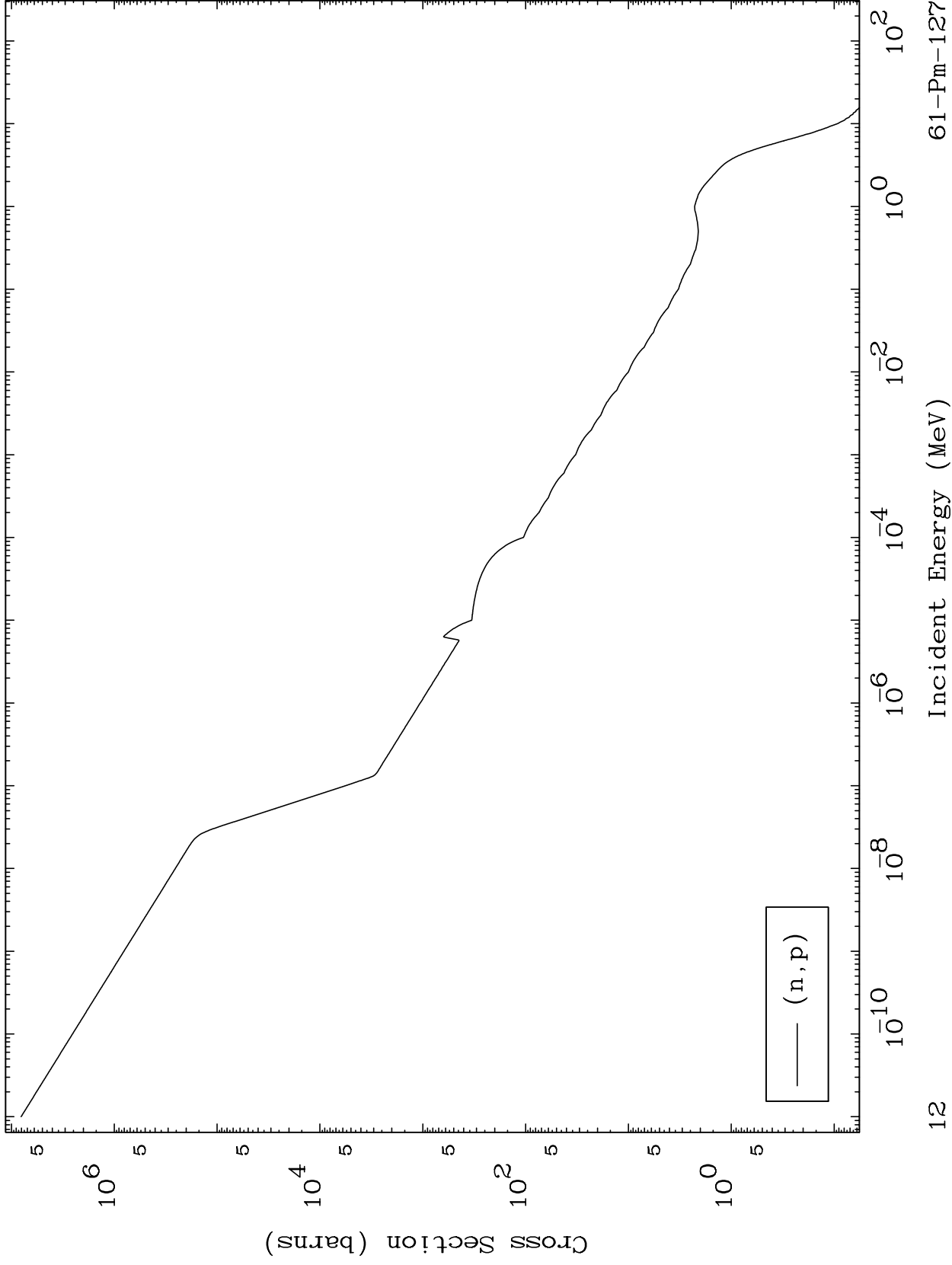
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61-Pm-127

MAT 6089

(n,p) Levels
293 Kelvin Cross Sections

61-Pm-127



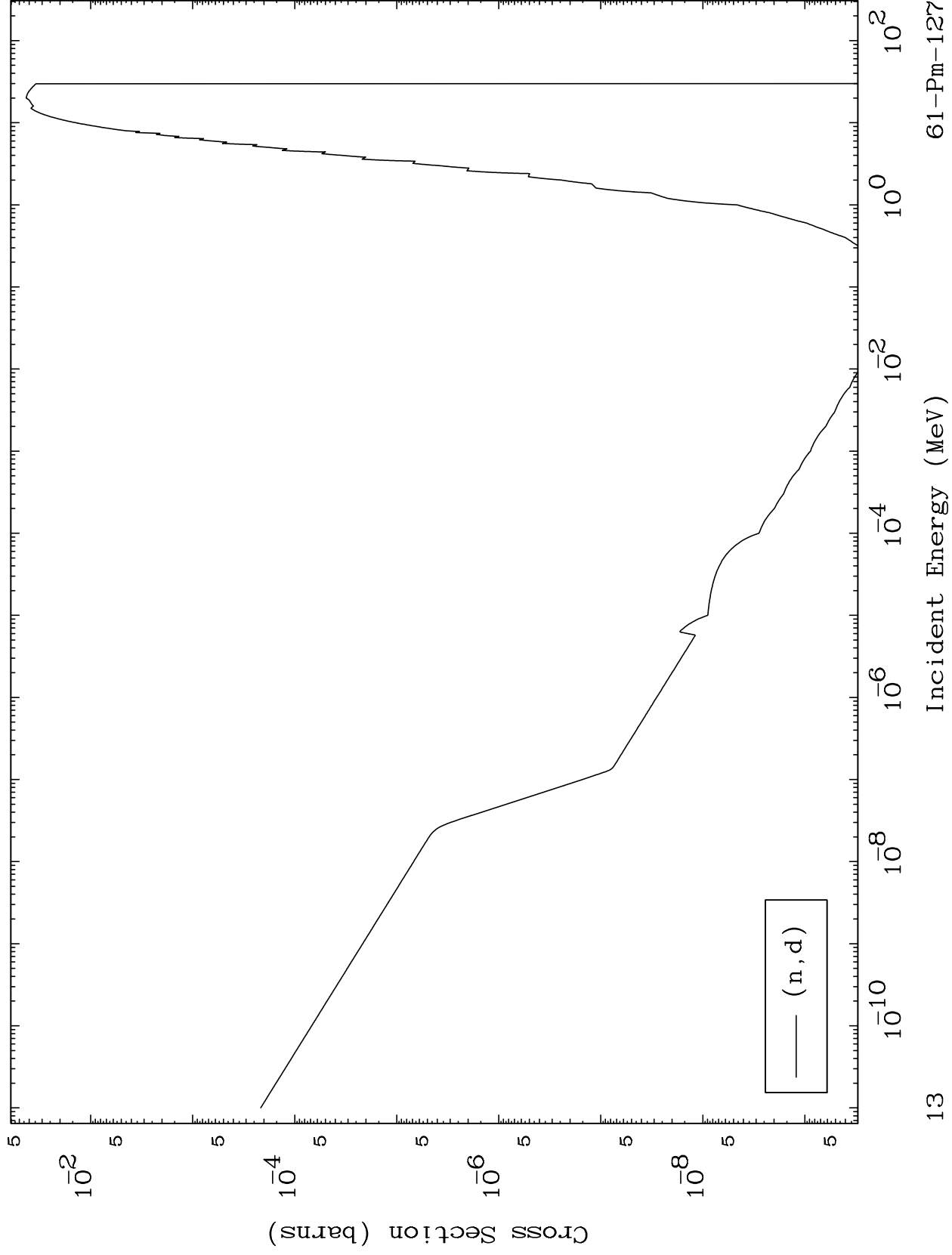
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61-Pm-127

MAT 6089

(n,d) Levels
293 Kelvin Cross Sections

61-Pm-127

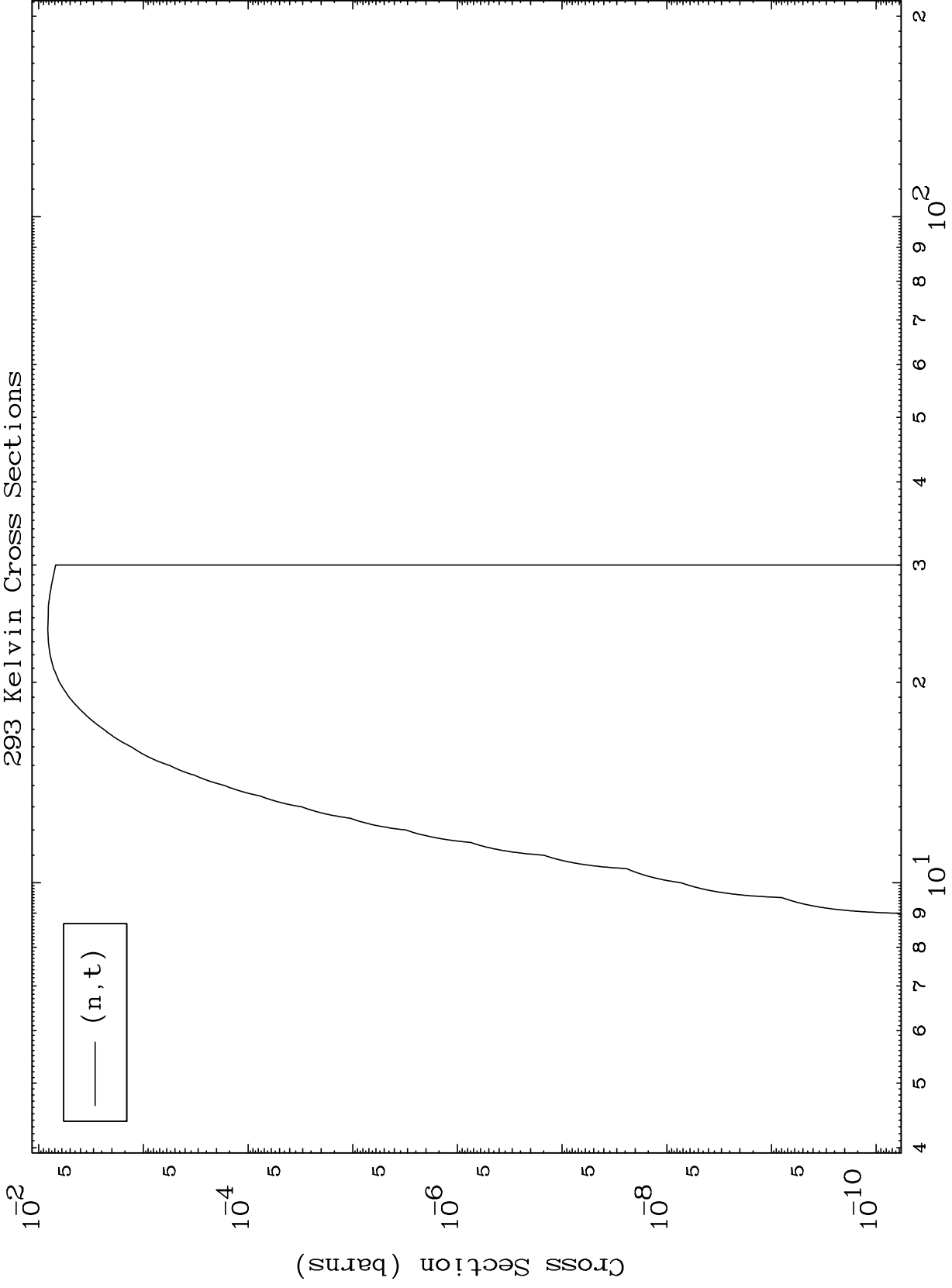


13

MAT 6089

(n,t) Levels
293 Kelvin Cross Sections

61-Pm-127



14

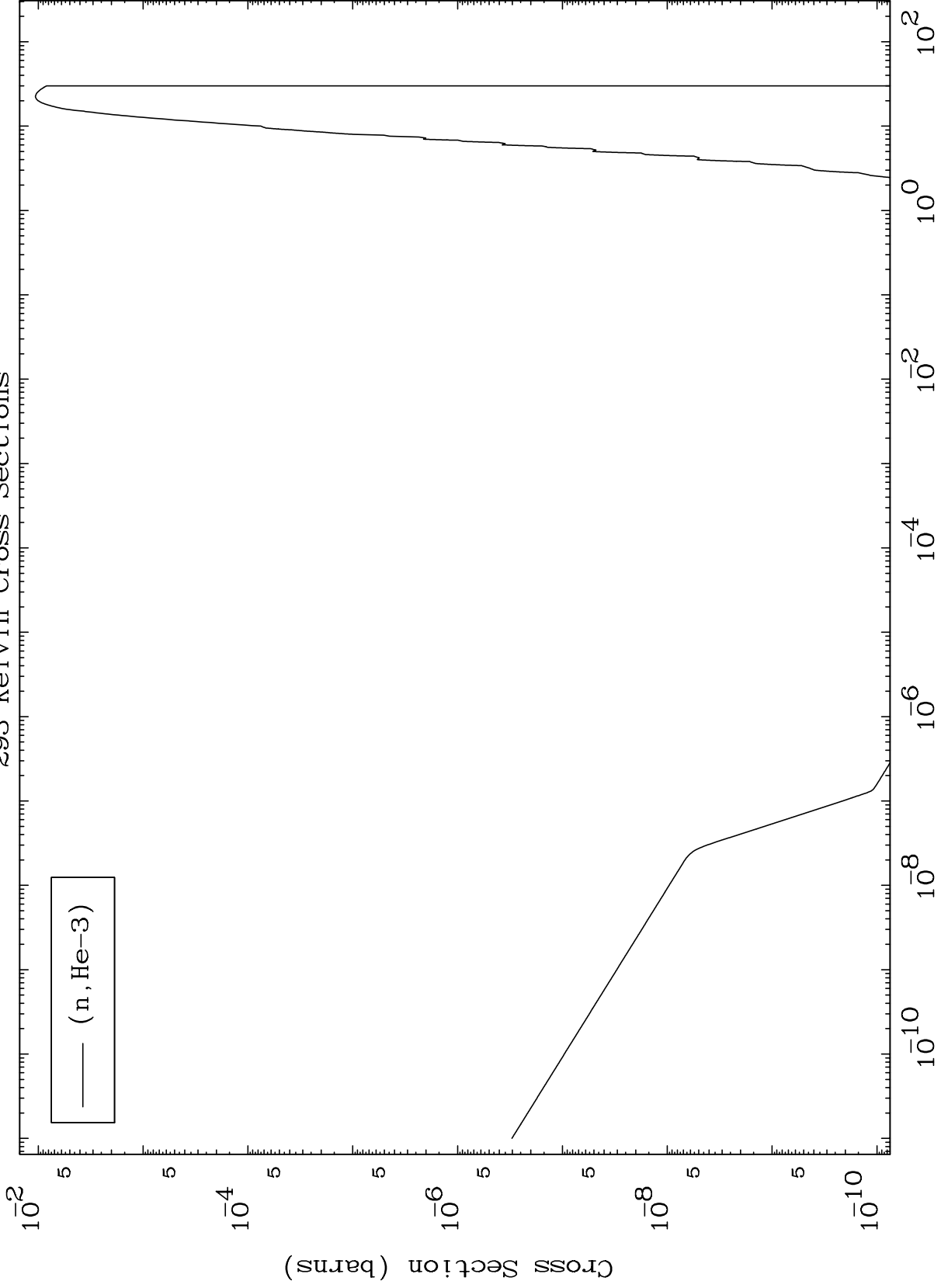
Incident Energy (MeV)

61-Pm-127

MAT 6089

(n,He3) Levels
293 Kelvin Cross Sections

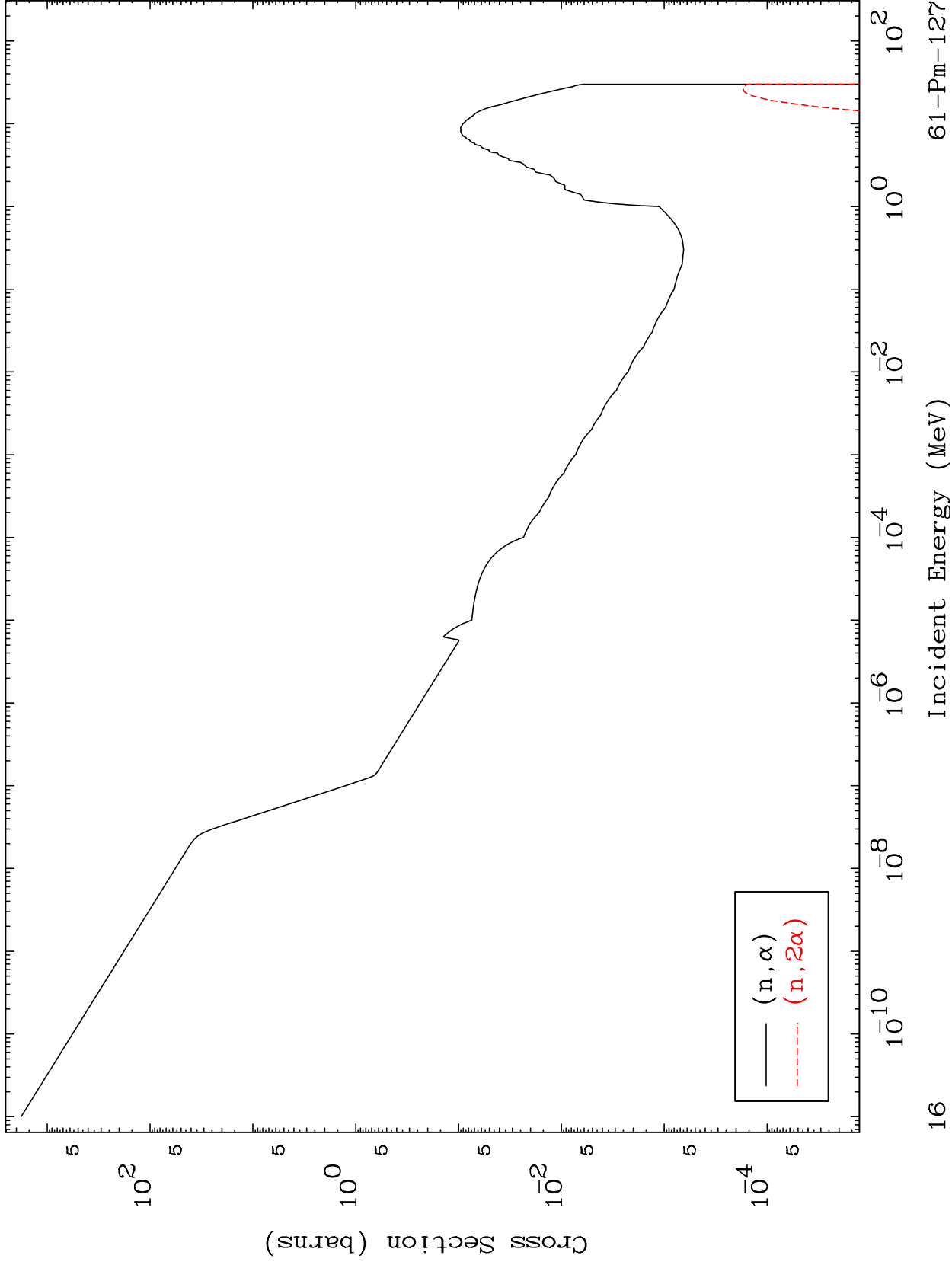
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MAT 6089

(n, α) Levels
293 Kelvin Cross Sections

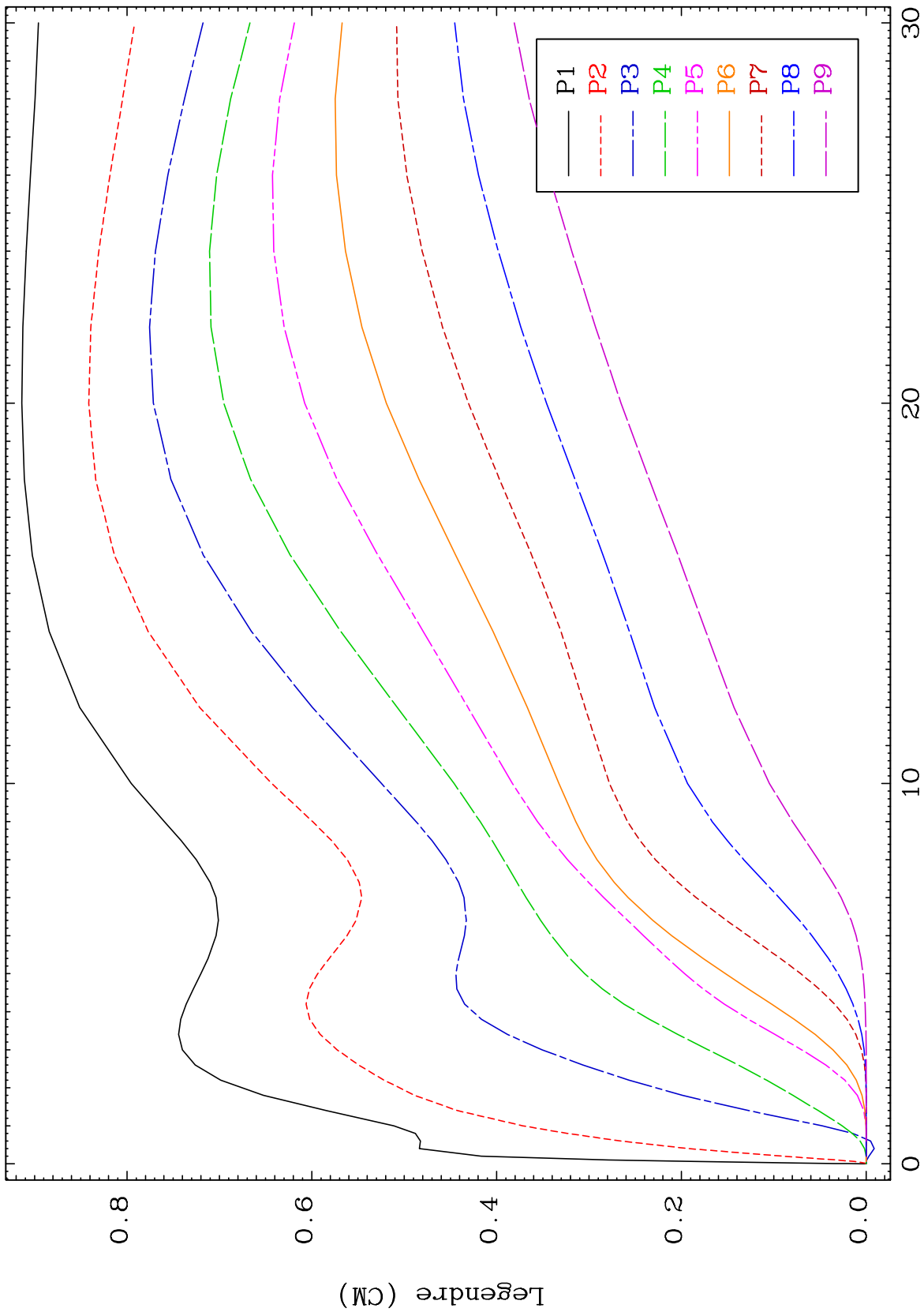
61-Pm-127



MAT 6089

Elastic Legendre Coefficients

61-Pm-127



17

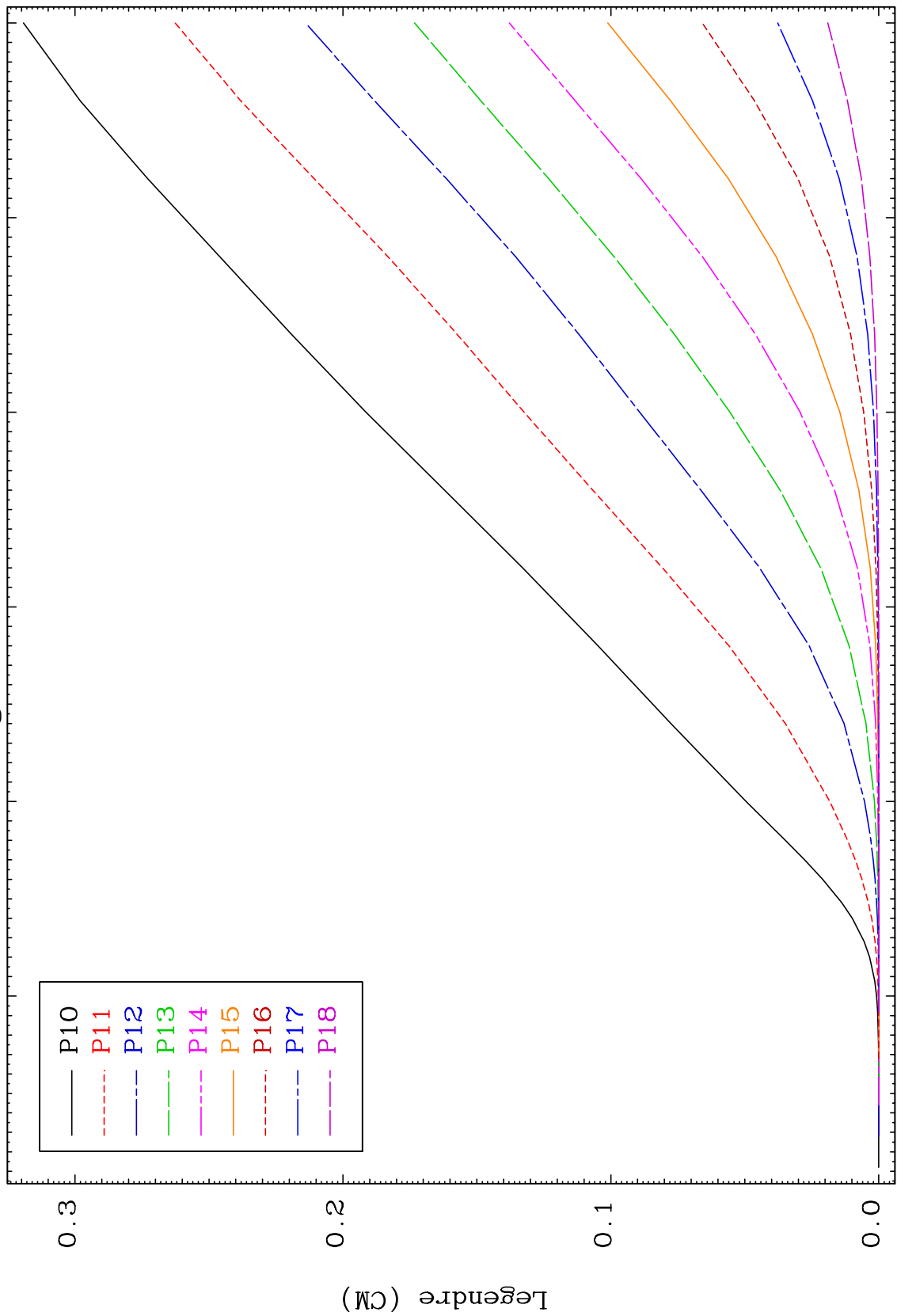
Incident Energy (MeV)

61-Pm-127

MAT 6089

Elastic Legendre Coefficients

61-Pm-127



18

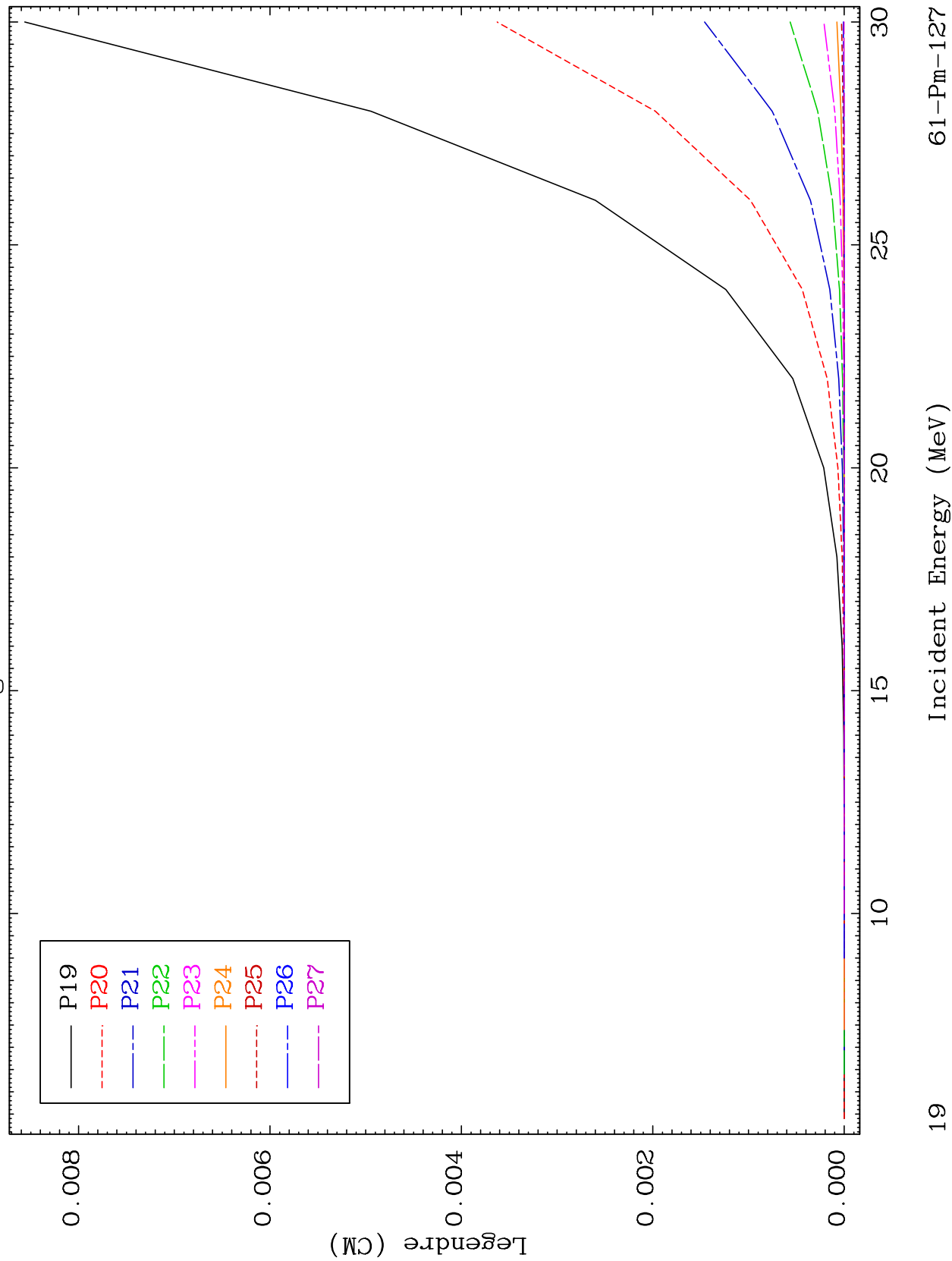
Incident Energy (MeV)

61-Pm-127

MAT 6089

Elastic Legendre Coefficients

61-Pm-127



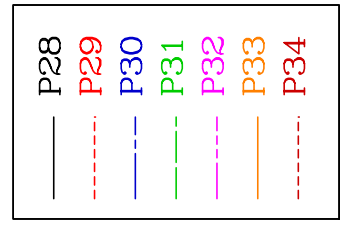
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61-Pm-127

MAT 6089

Elastic Legendre Coefficients

61-Pm-127

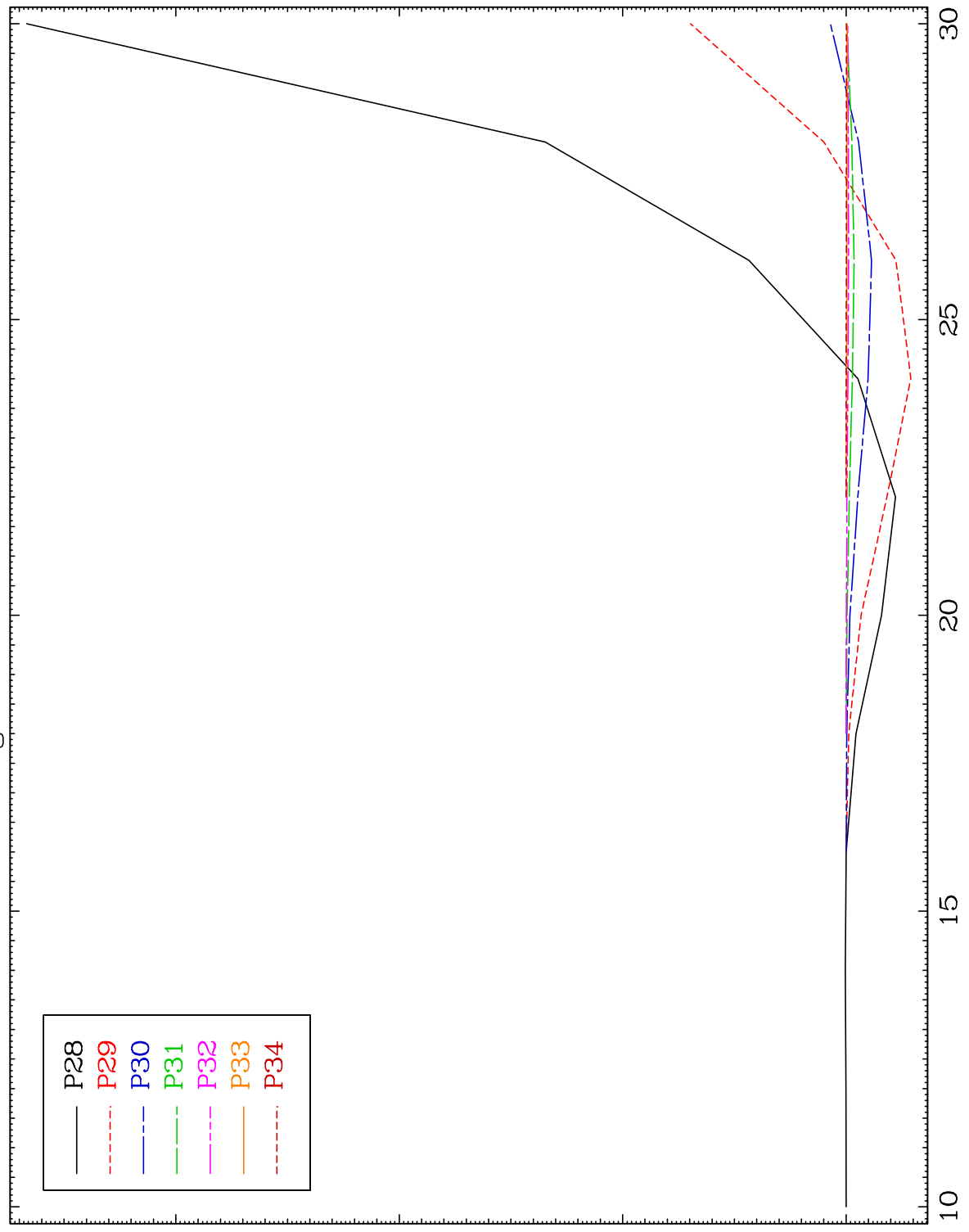


$\times 10^{-7}$

Legendre (CM)

Incident Energy (MeV)

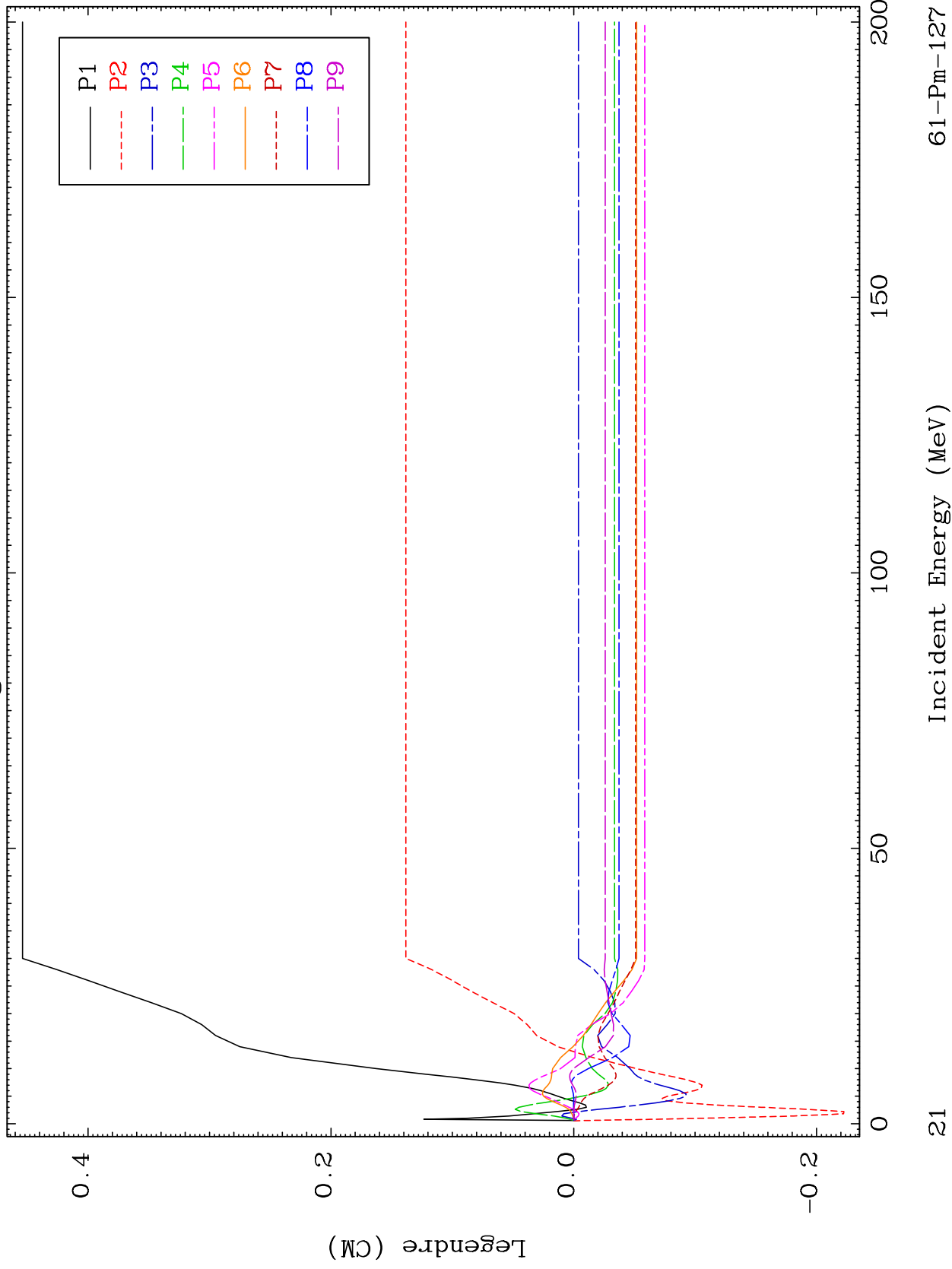
61-Pm-127



MAT 6089

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

61-Pm-127



61-Pm-127

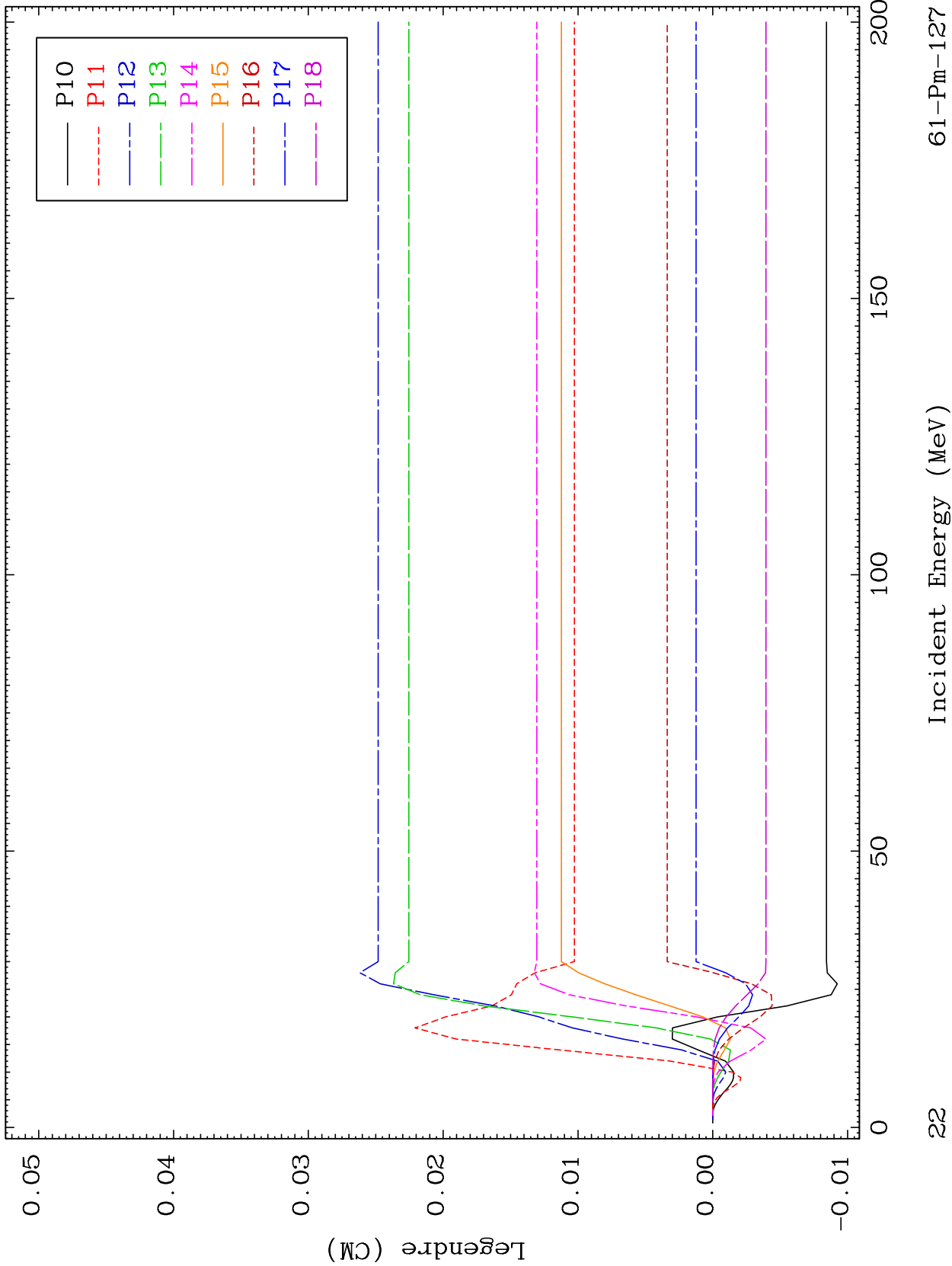
Incident Energy (MeV)

21

MAT 6089

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

61-Pm-127



61-Pm-127

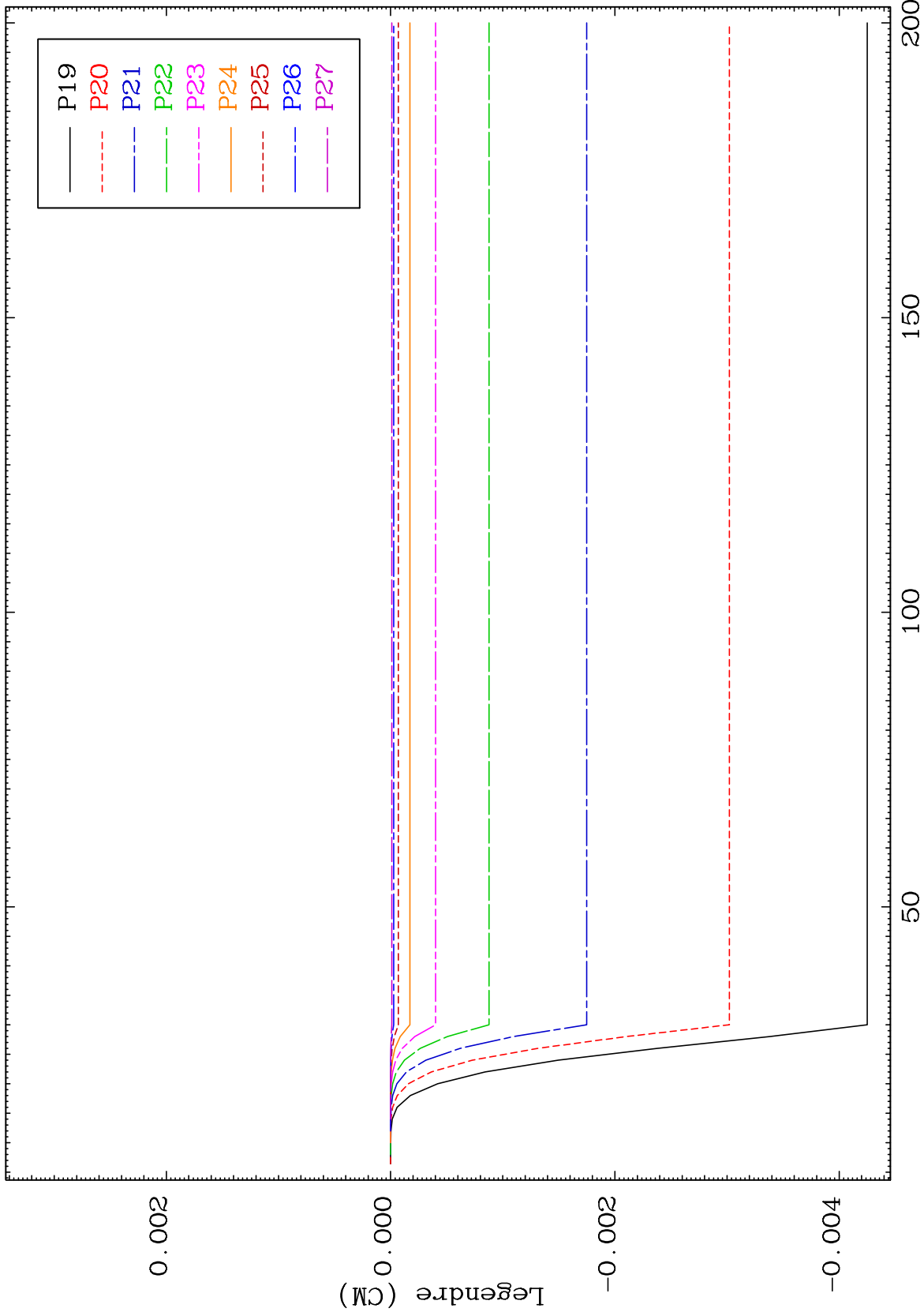
Incident Energy (MeV)

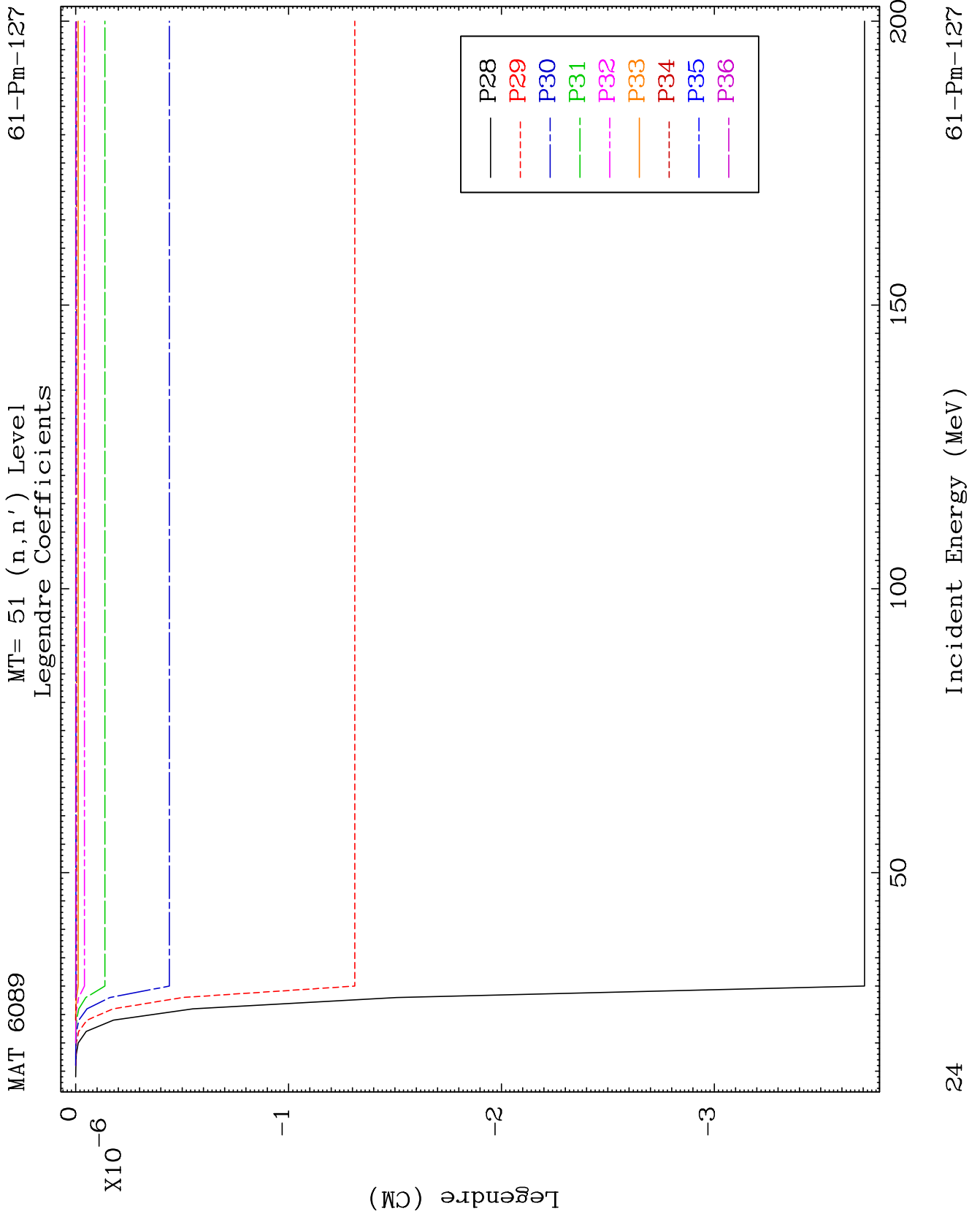
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MAT 6089

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

61-Pm-127

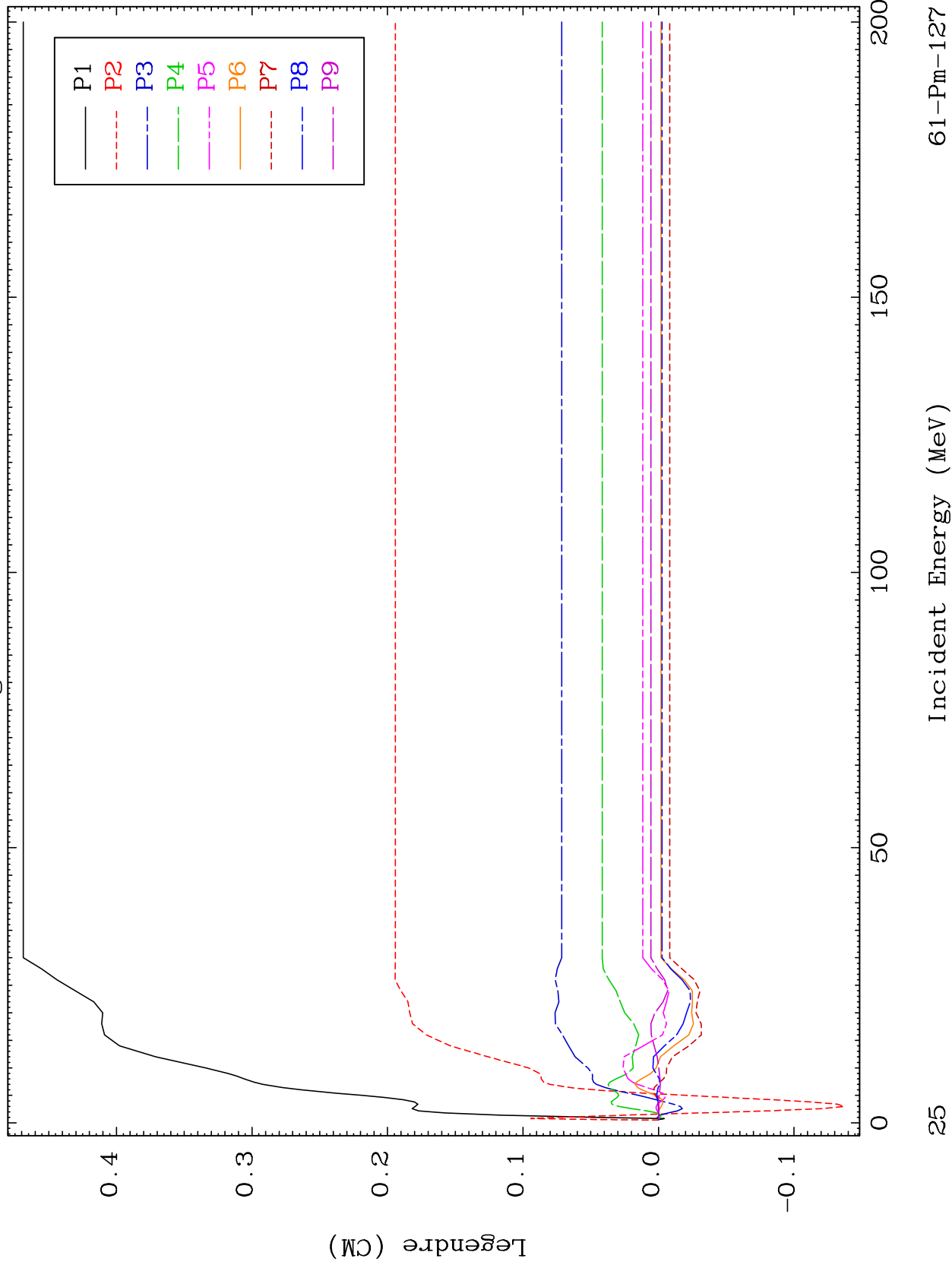




MAT 6089

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

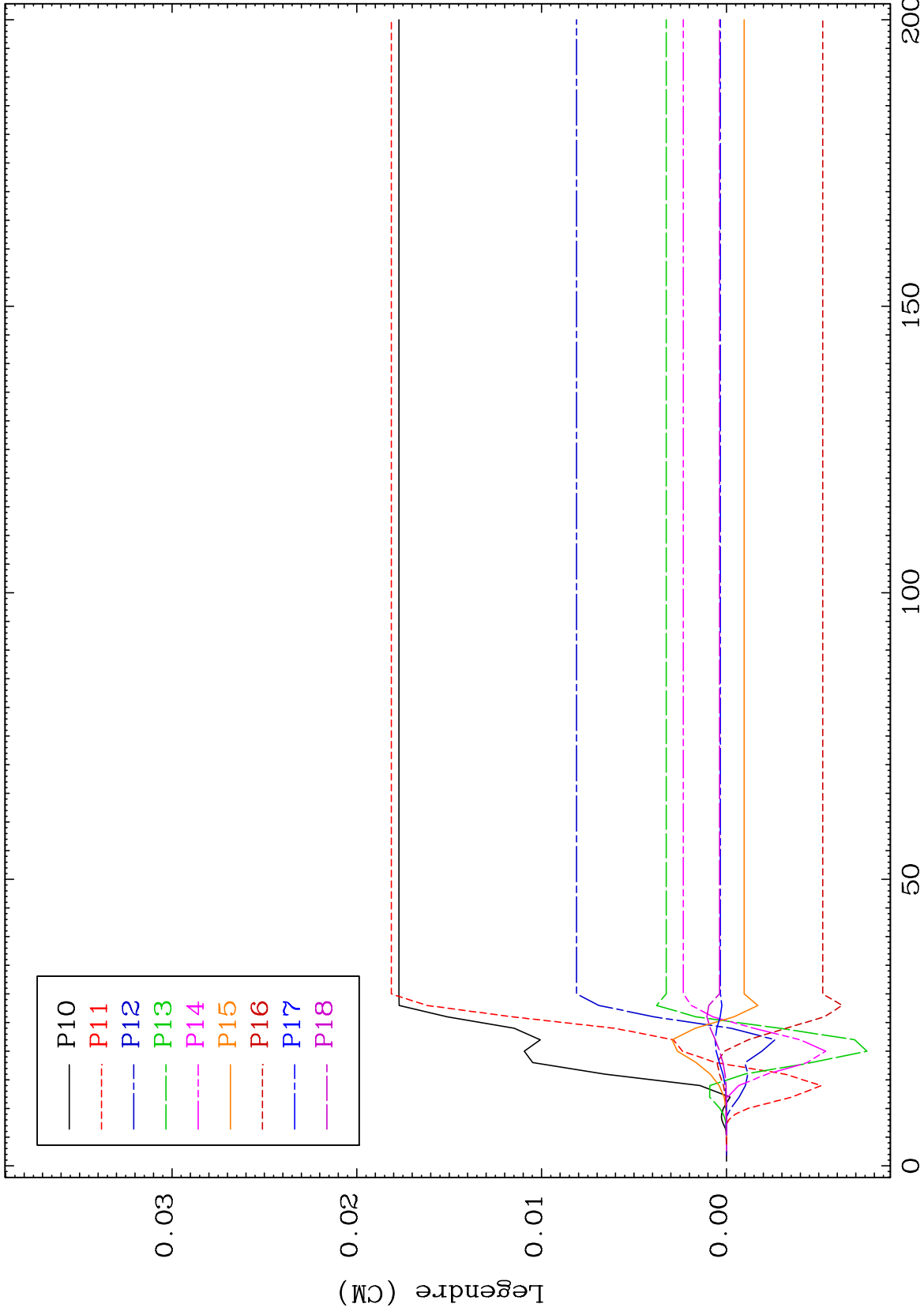
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MAT 6089

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

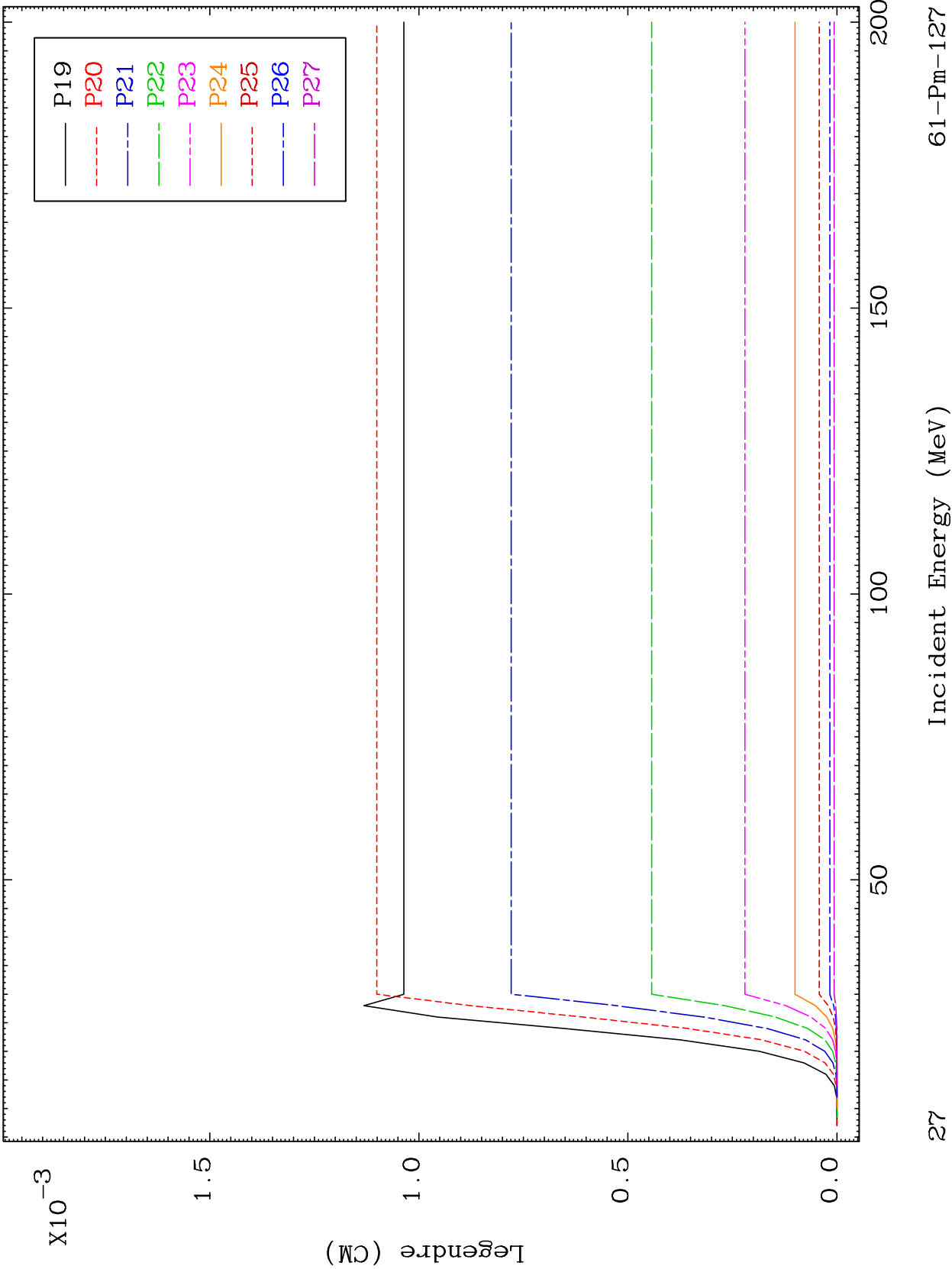
61-Pm-127



26

Incident Energy (MeV)

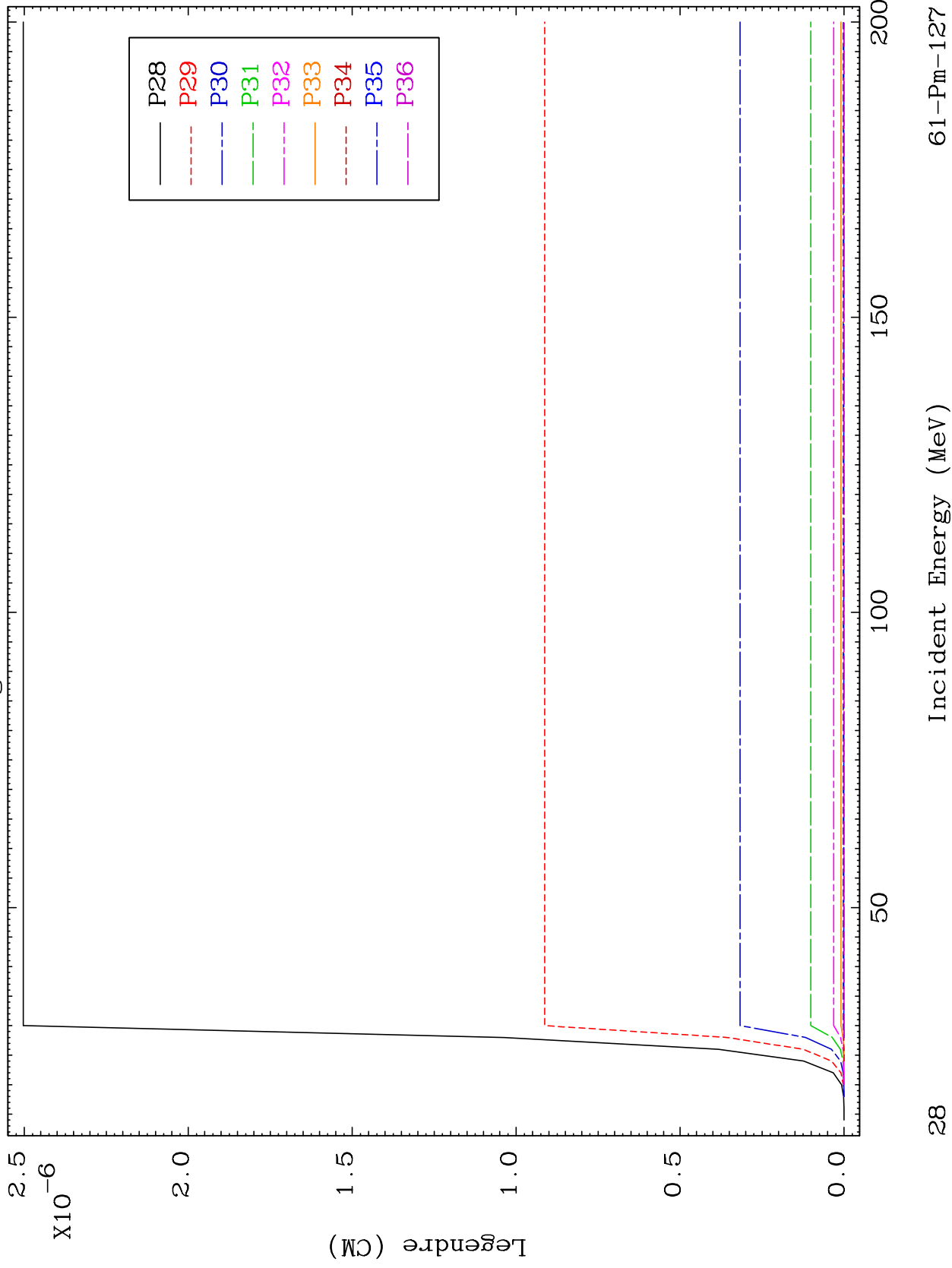
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MAT 6089

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

61-Pm-127



28

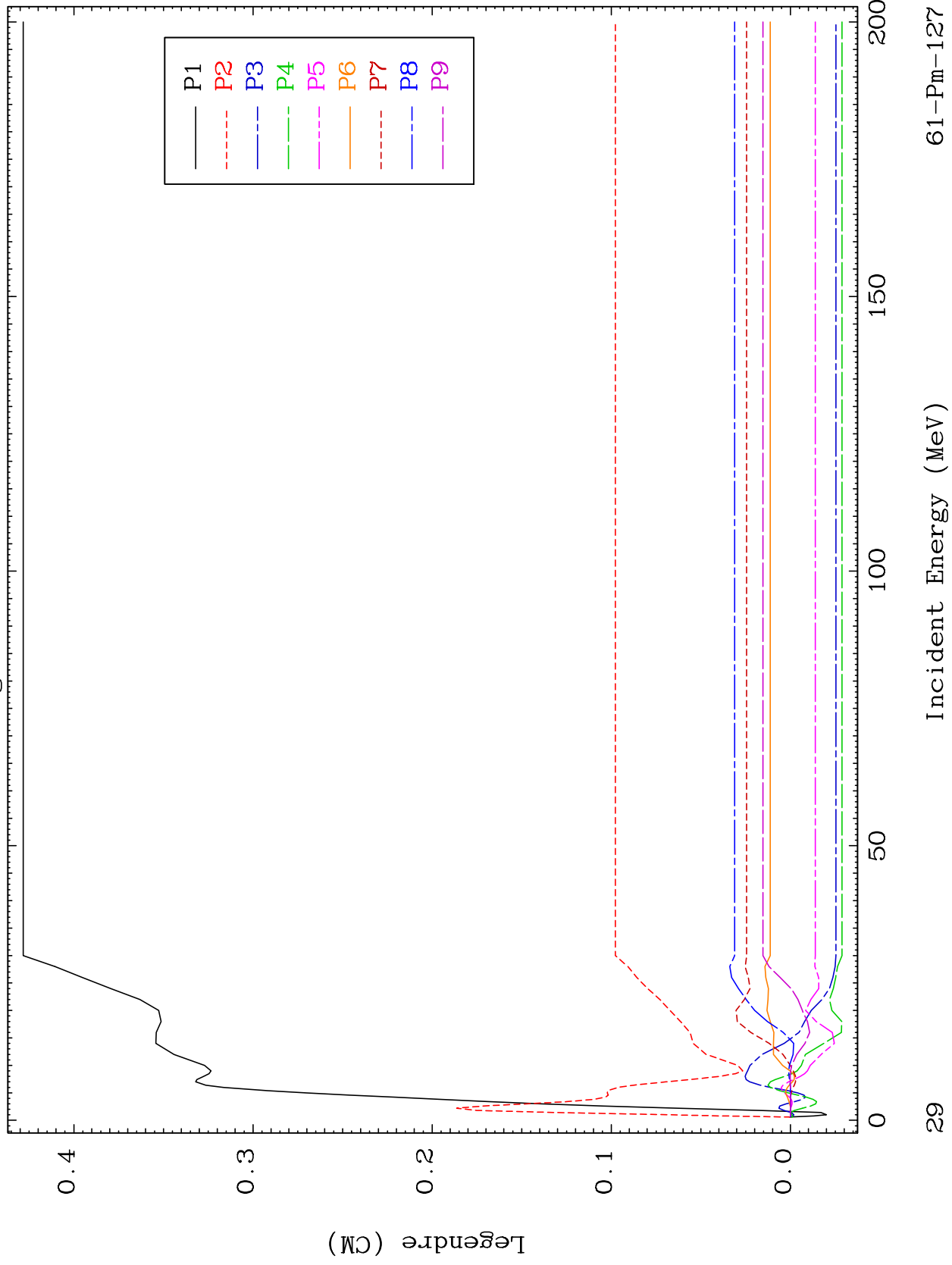
Incident Energy (MeV)

61-Pm-127

MAT 6089

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

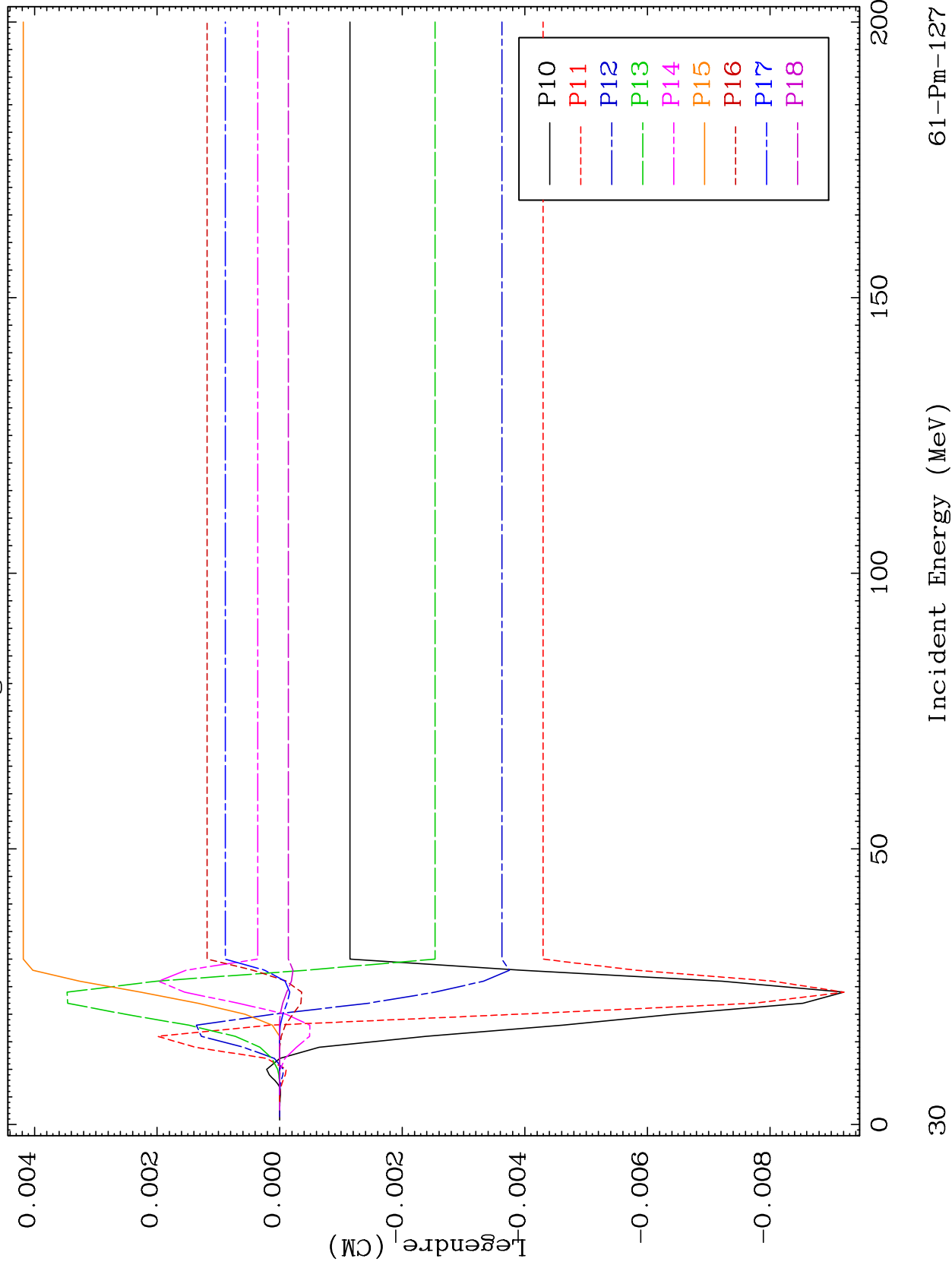
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MAT 6089

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

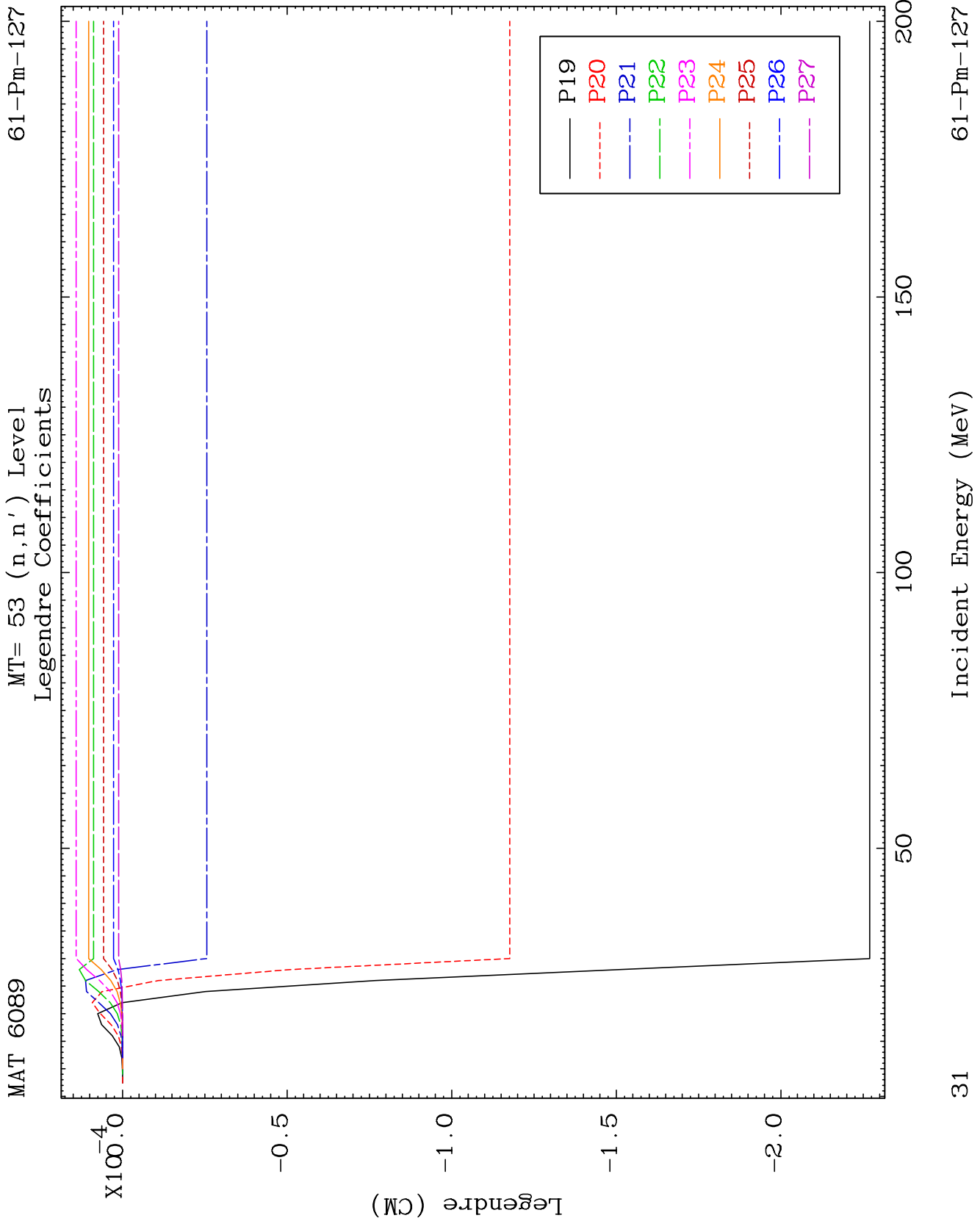
61-Pm-127



61-Pm-127

Incident Energy (MeV)

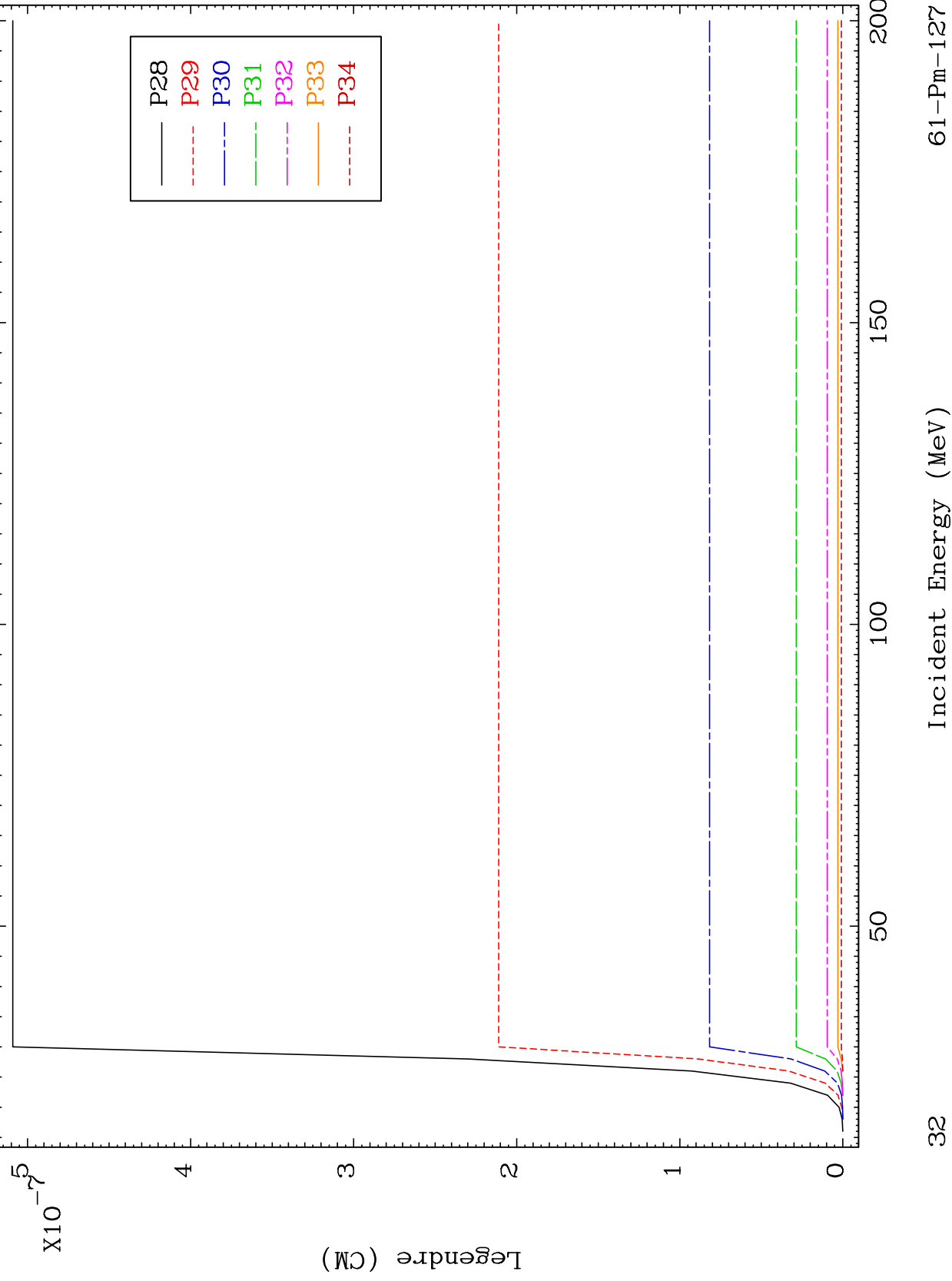
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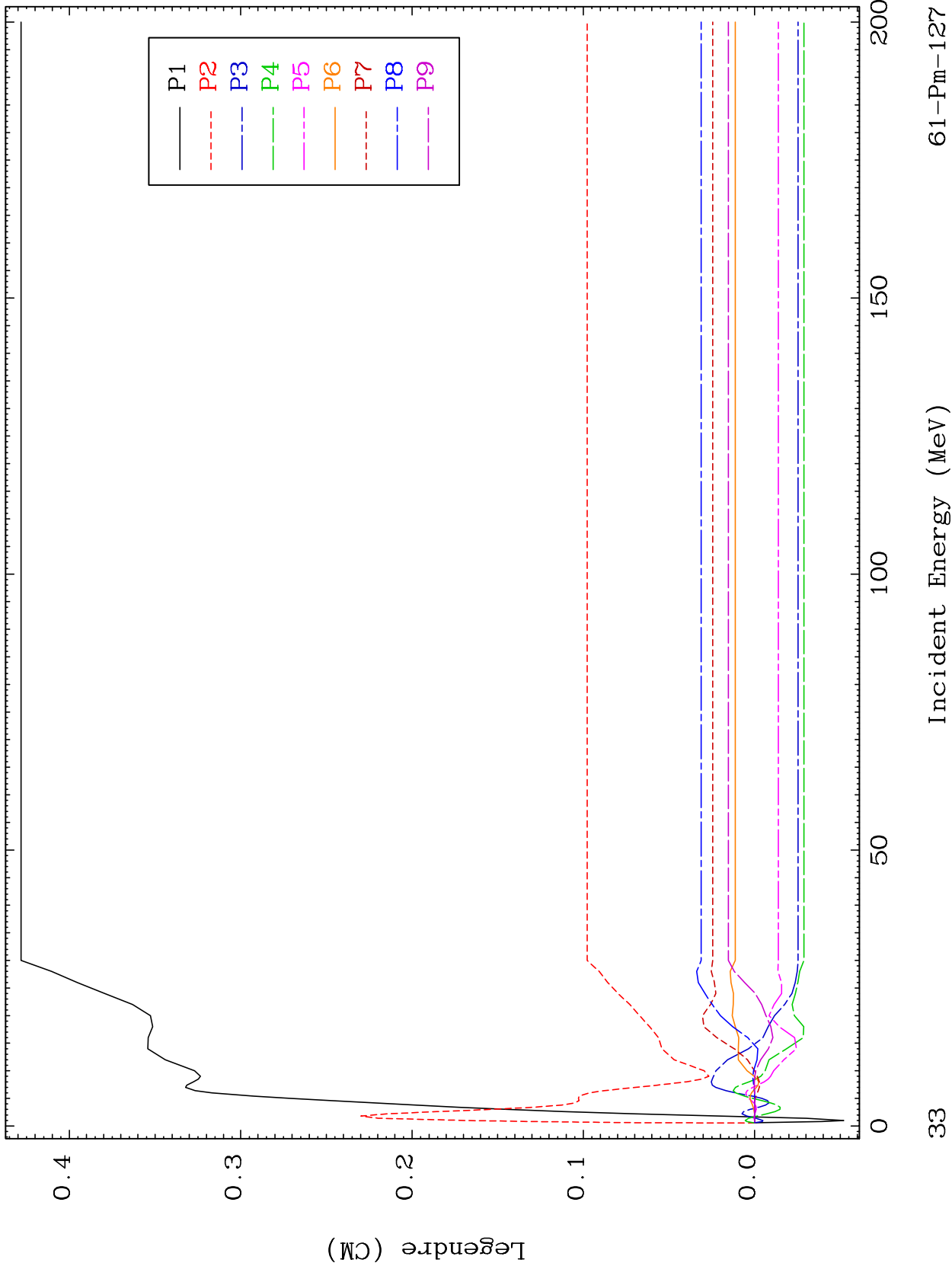


MAT 6089

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

61-Pm-127

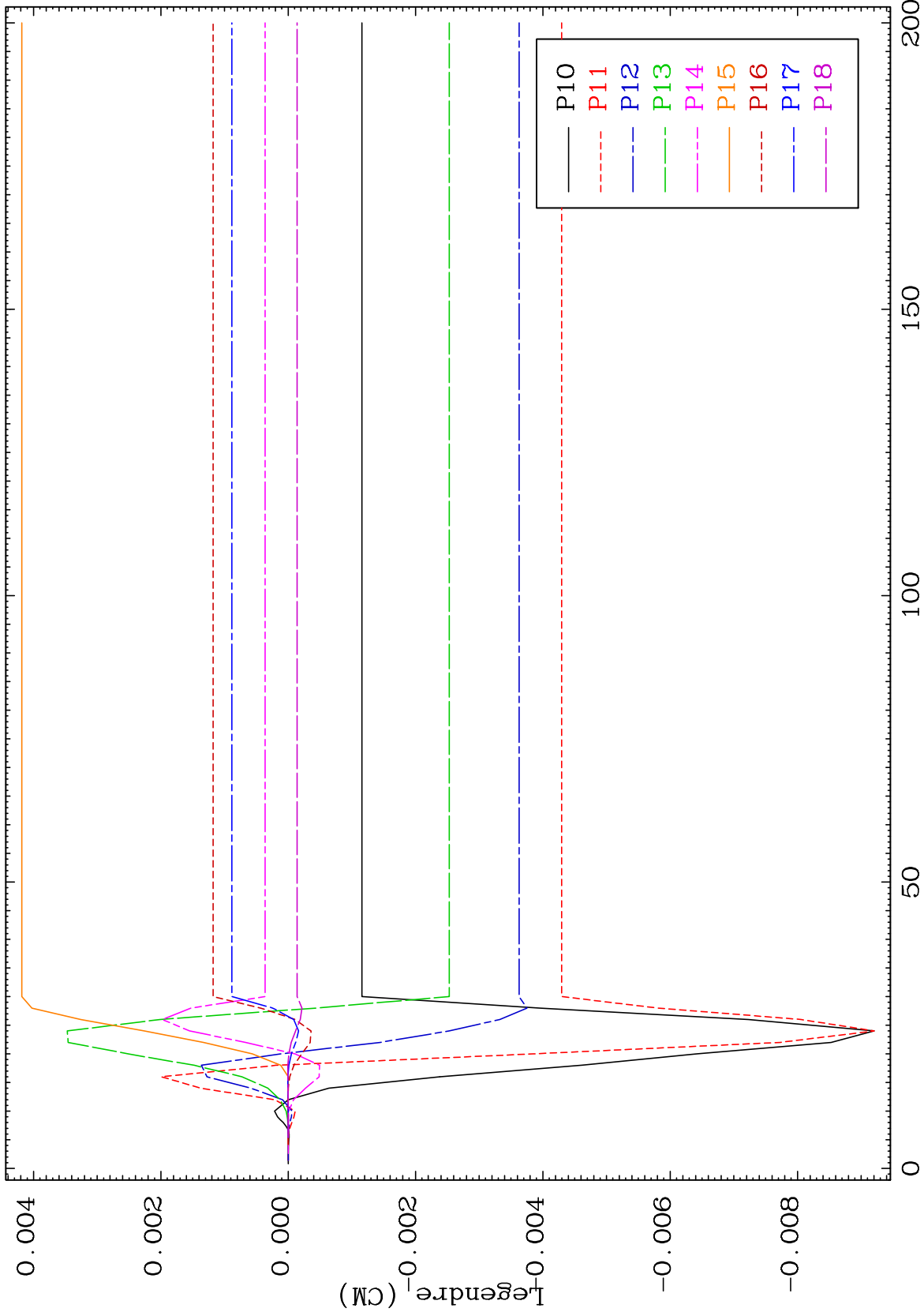




MAT 6089

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

61-Pm-127



34

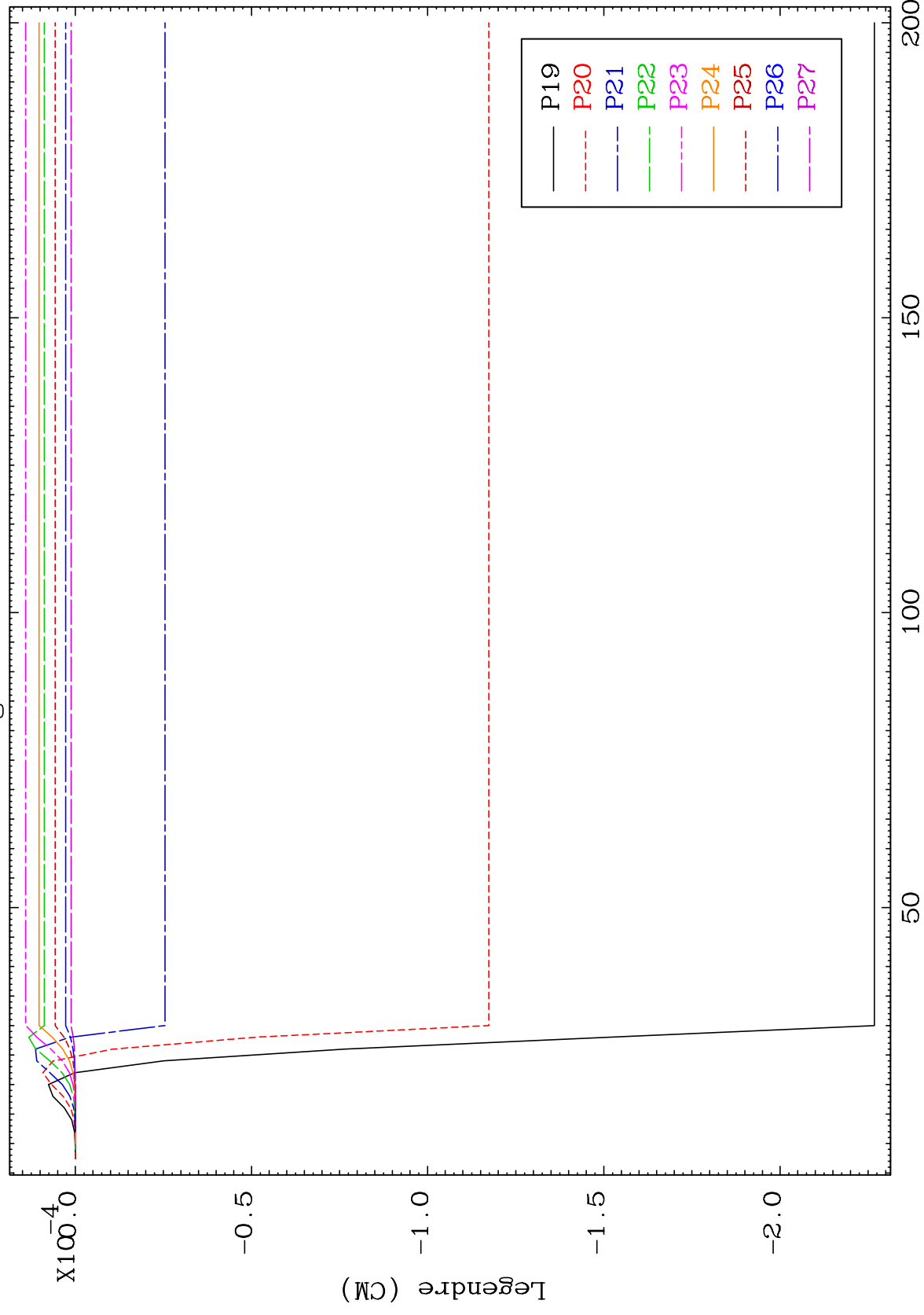
Incident Energy (MeV)

61-Pm-127

MAT 6089

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

61-Pm-127



35

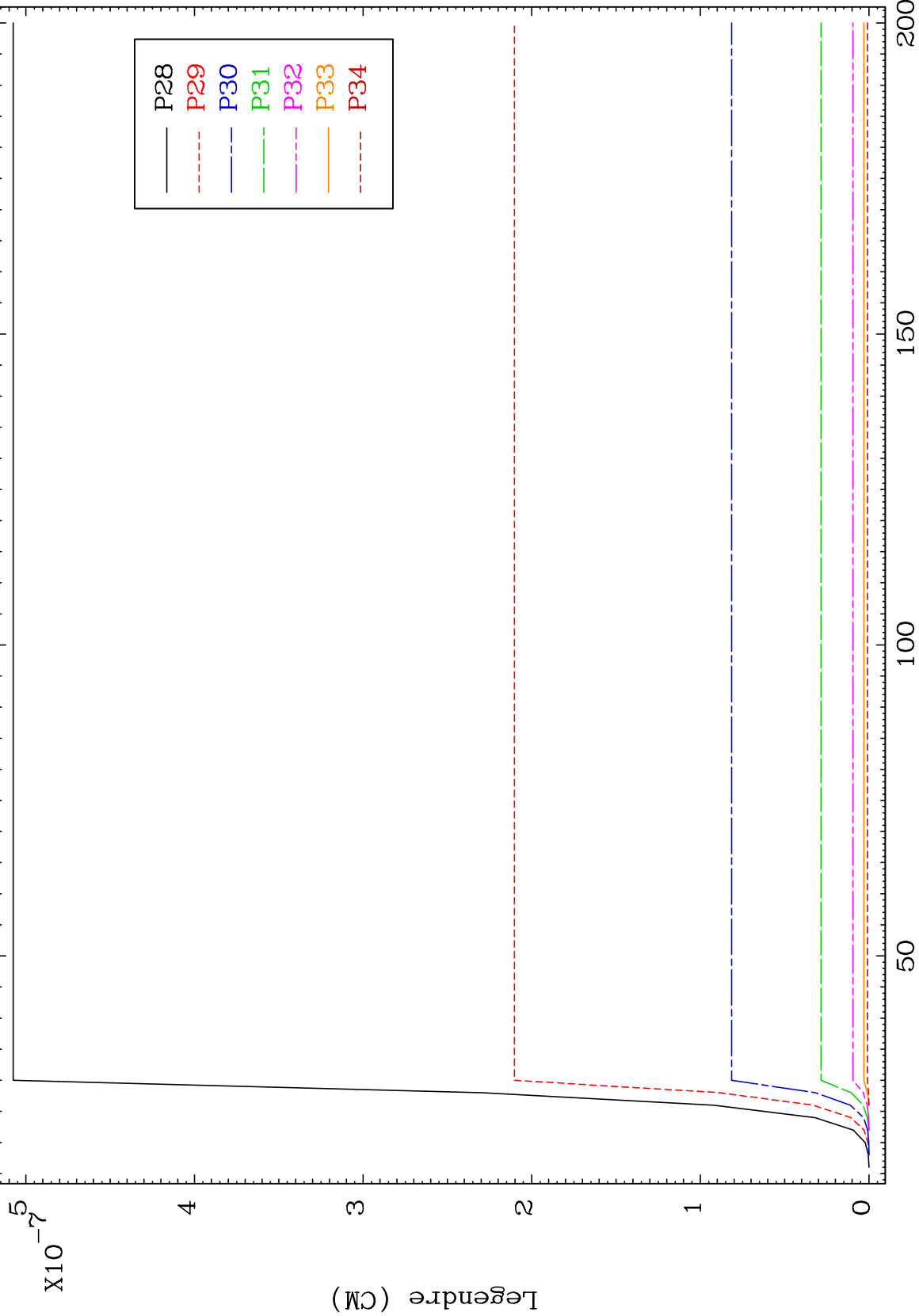
Incident Energy (MeV)

61-Pm-127

MAT 6089

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

61-Pm-127



36

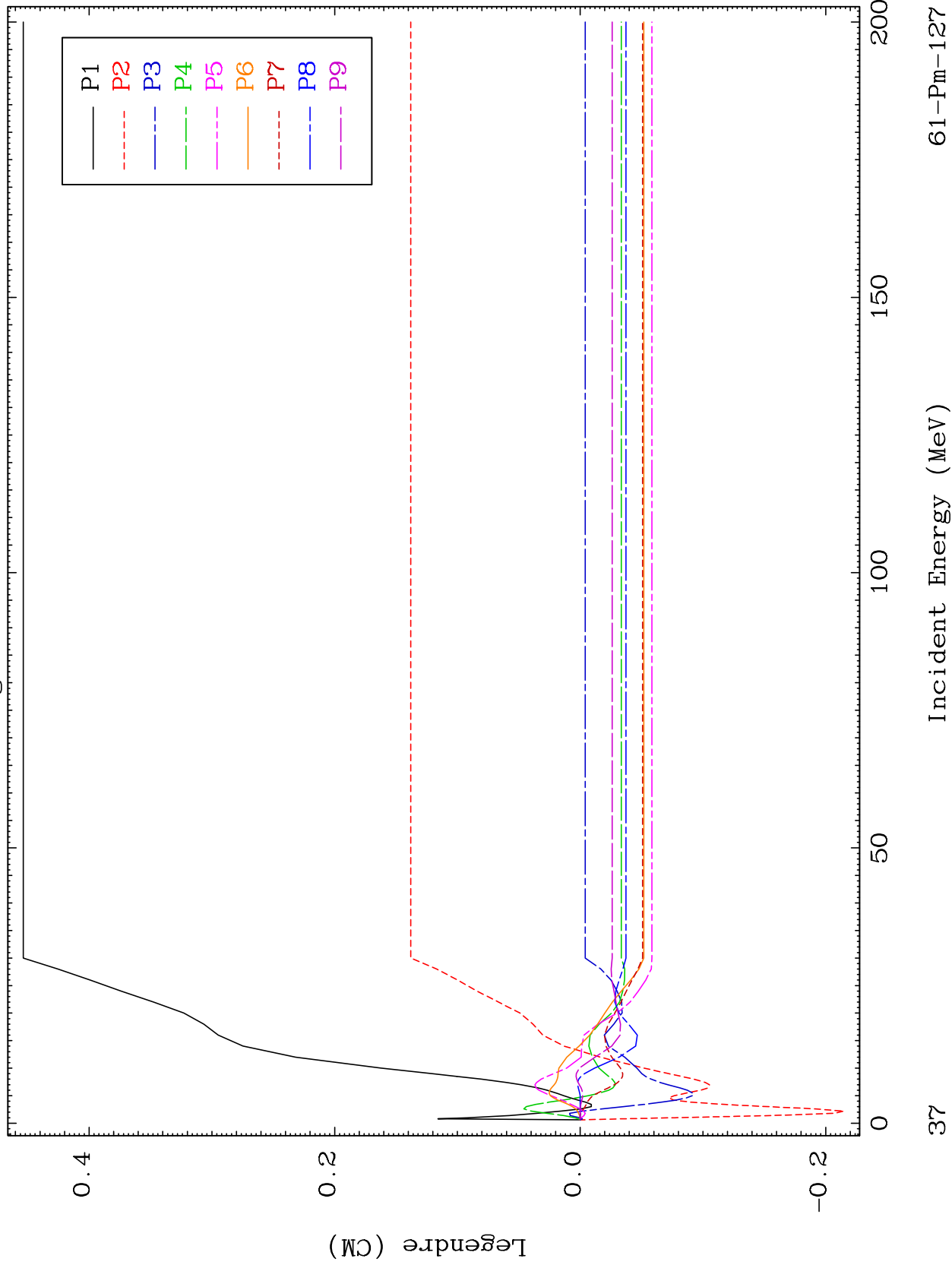
Incident Energy (MeV)

61-Pm-127

MAT 6089

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

61-Pm-127



61-Pm-127

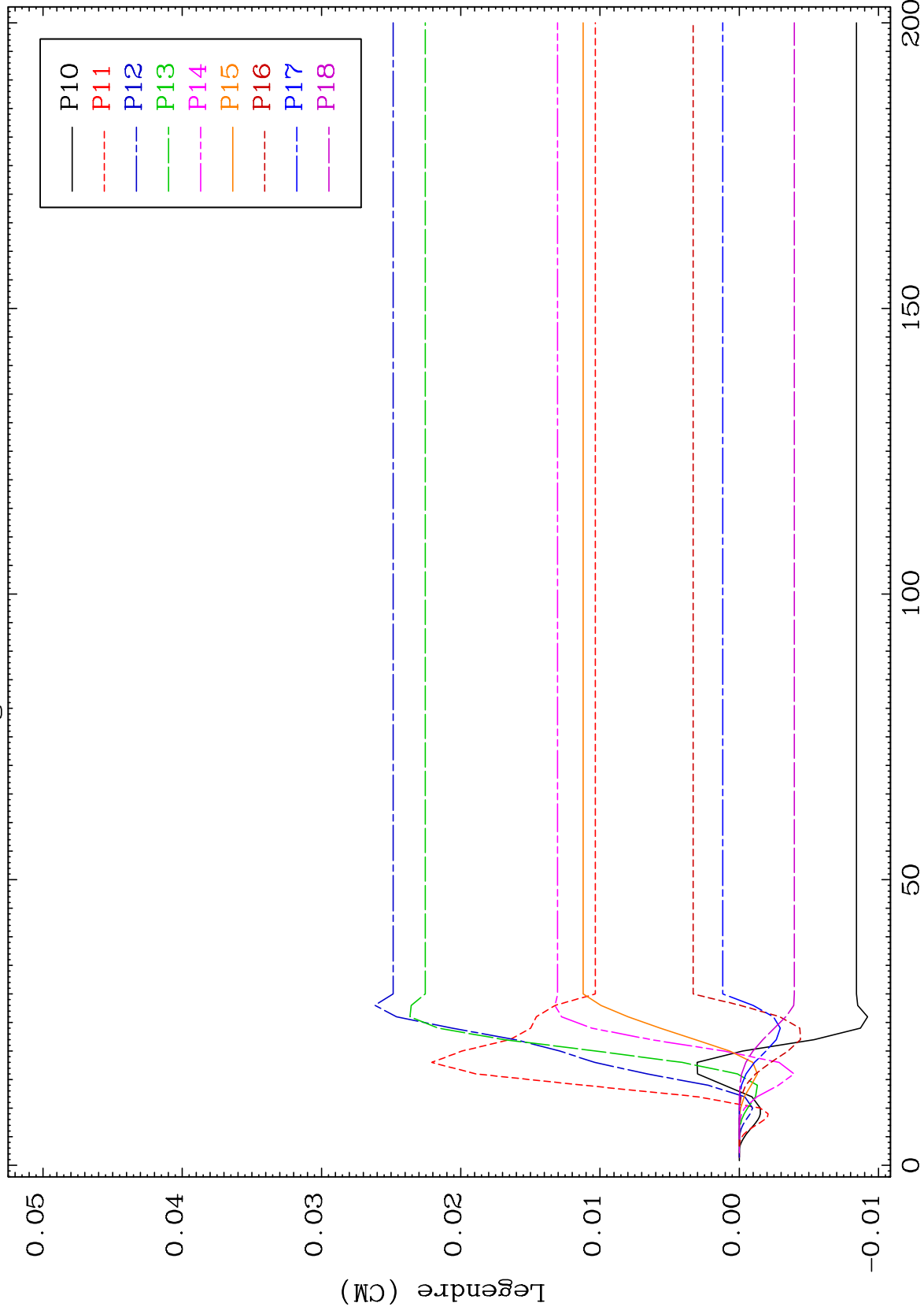
Incident Energy (MeV)

37

MAT 6089

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

61-Pm-127



38

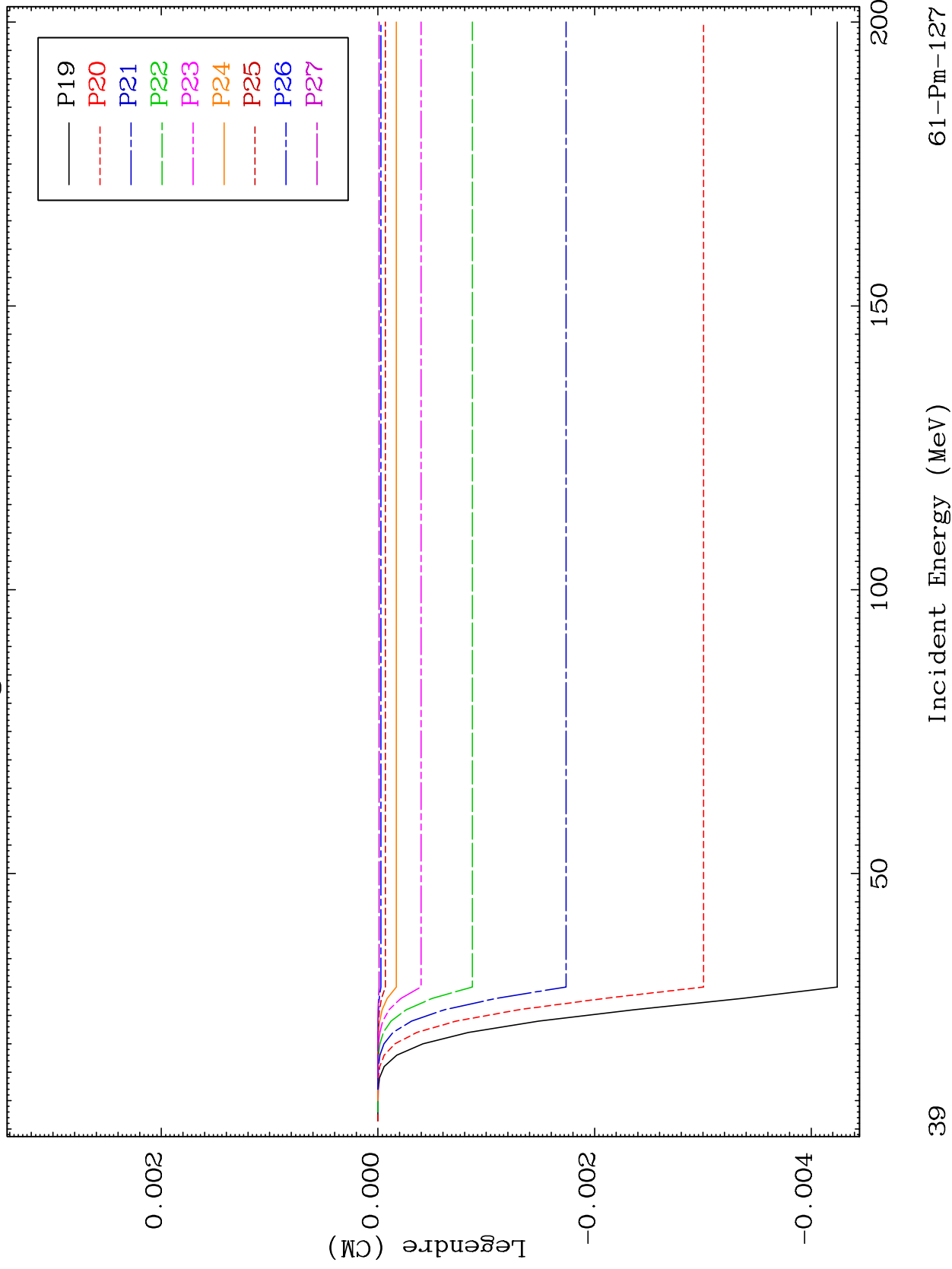
Incident Energy (MeV)

61-Pm-127

MAT 6089

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

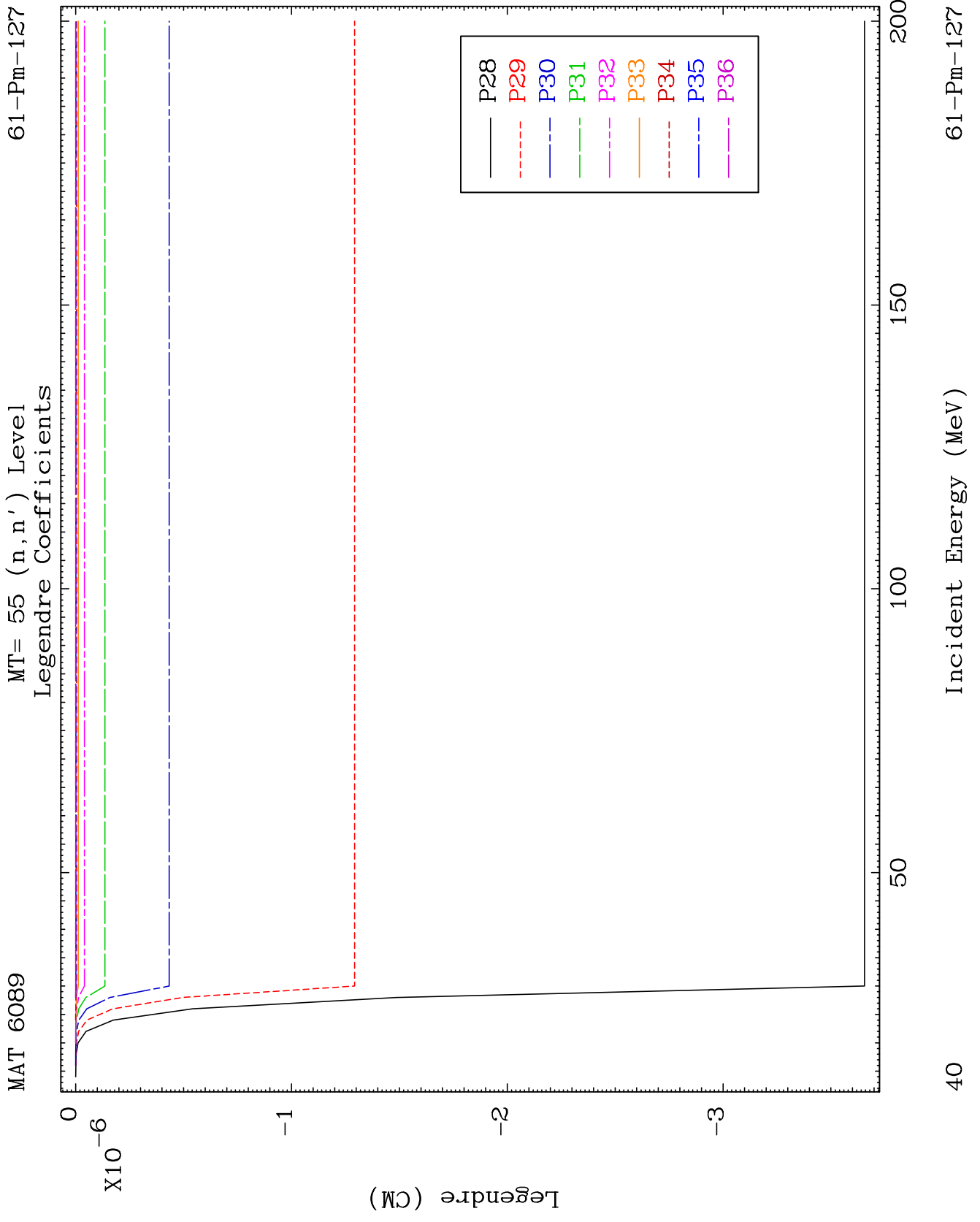
61-Pm-127



39

Incident Energy (MeV)

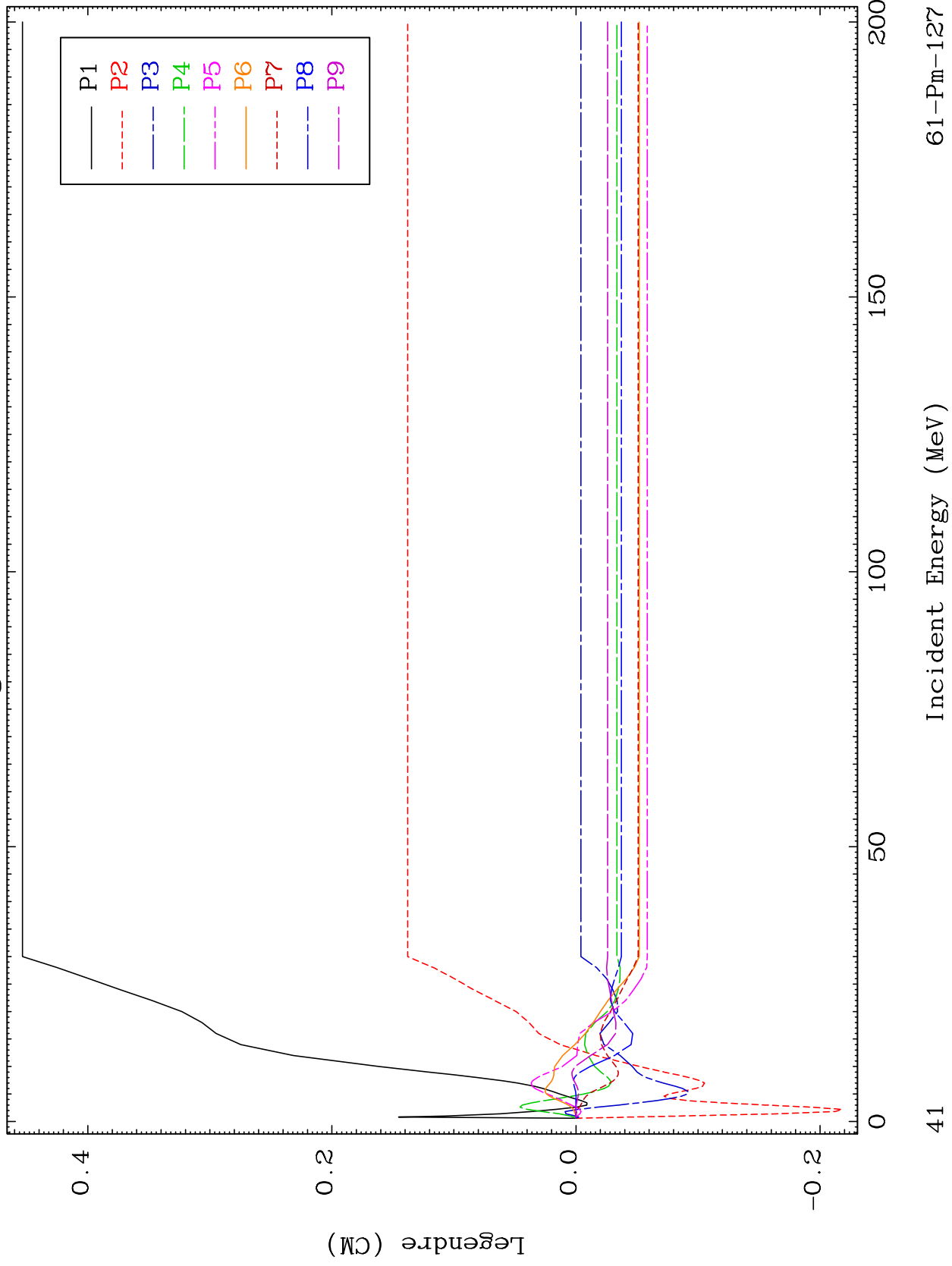
61-Pm-127



MAT 6089

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

61-Pm-127



41

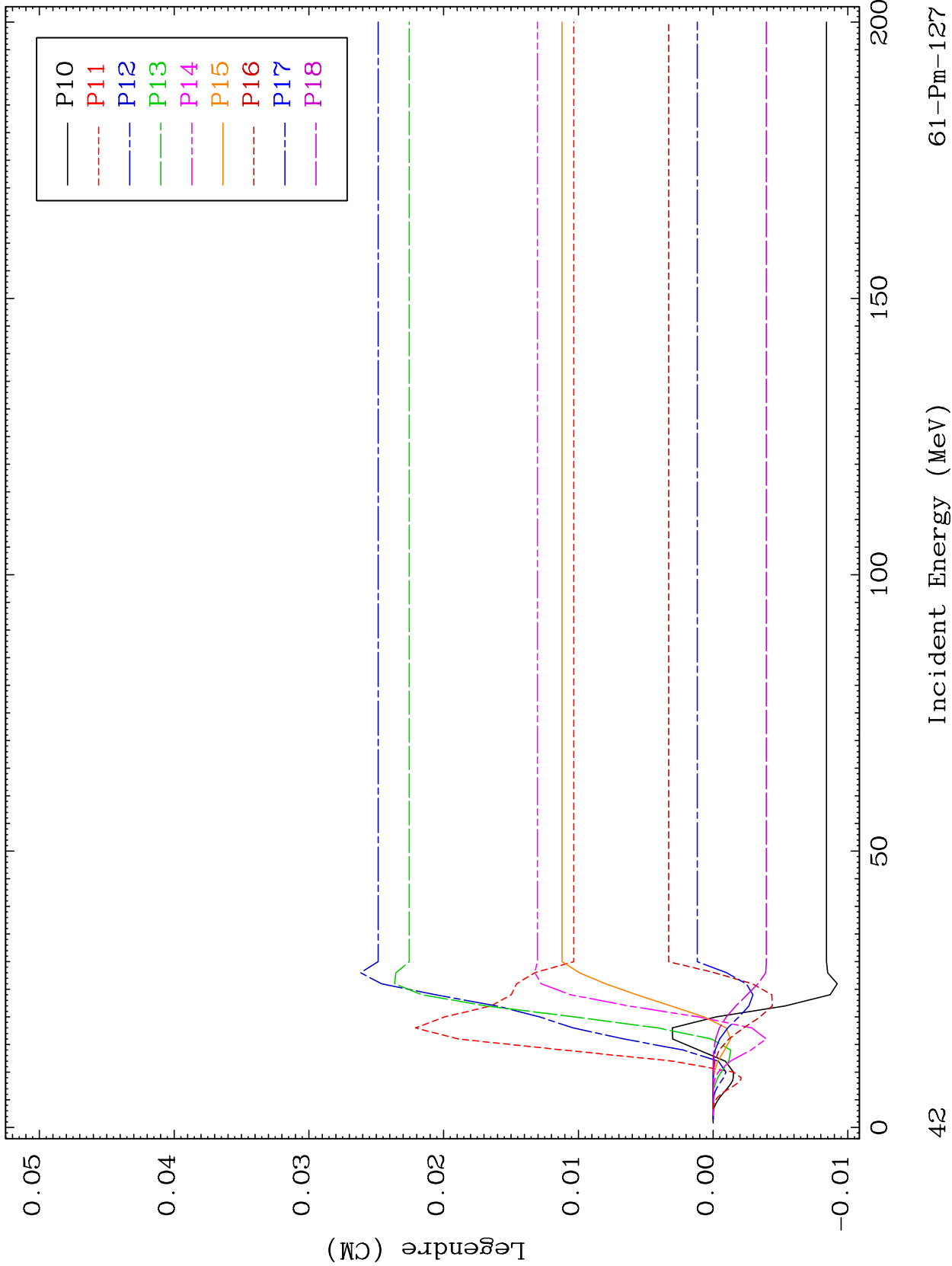
Incident Energy (MeV)

61-Pm-127

MAT 6089

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

61-Pm-127



42

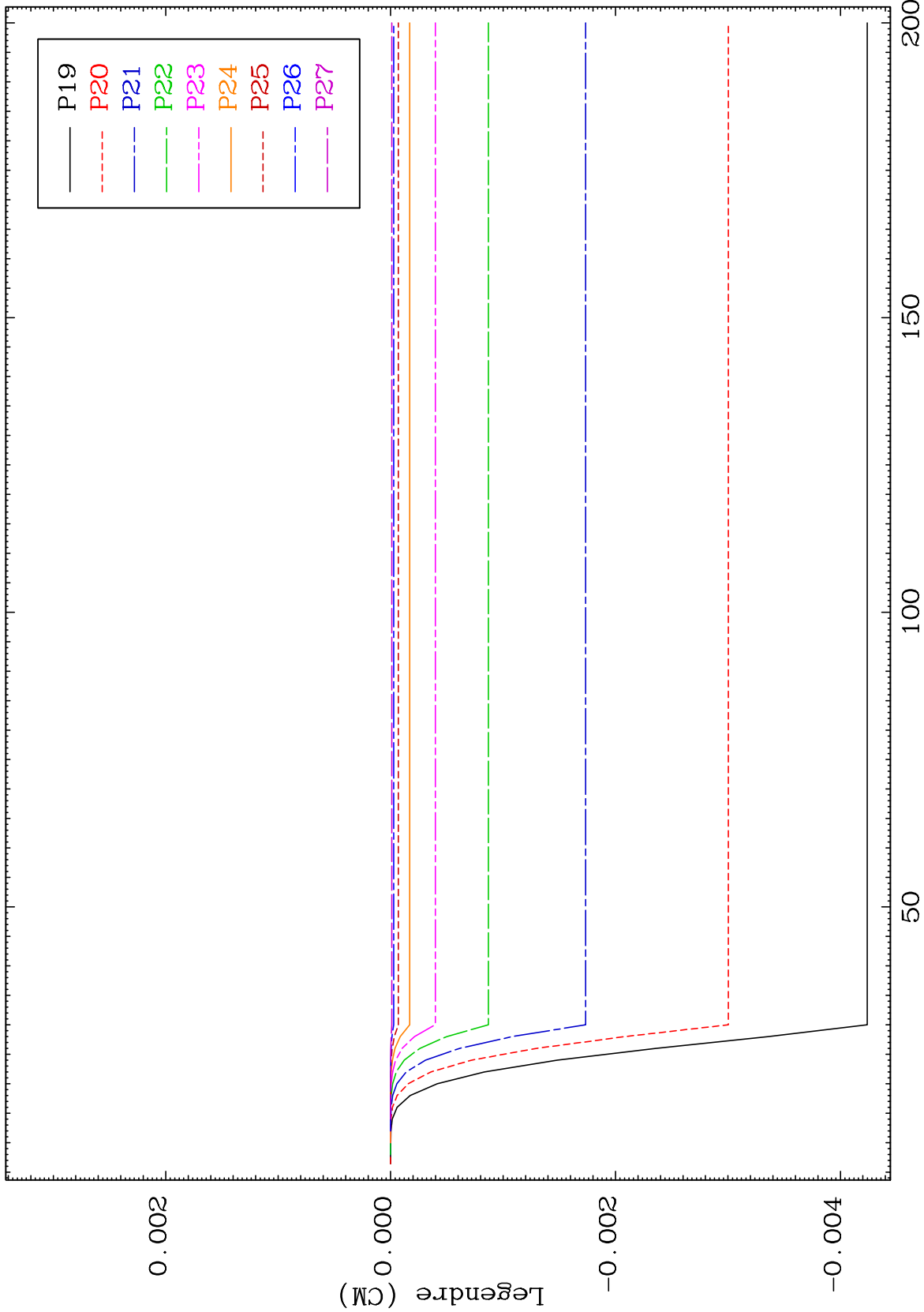
Incident Energy (MeV)

61-Pm-127

MAT 6089

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

61-Pm-127



43

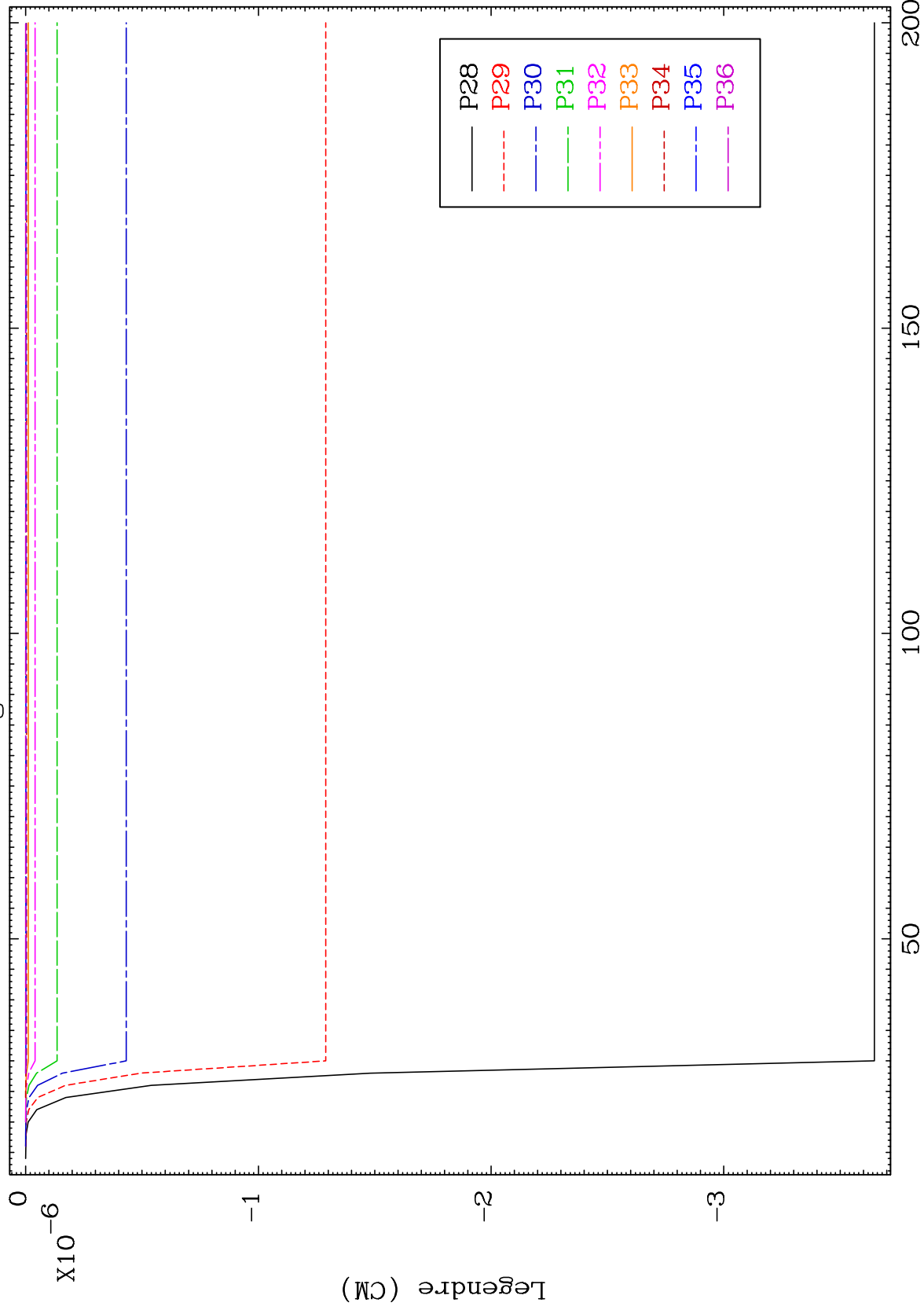
Incident Energy (MeV)

61-Pm-127

MAT 6089

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

61-Pm-127



44

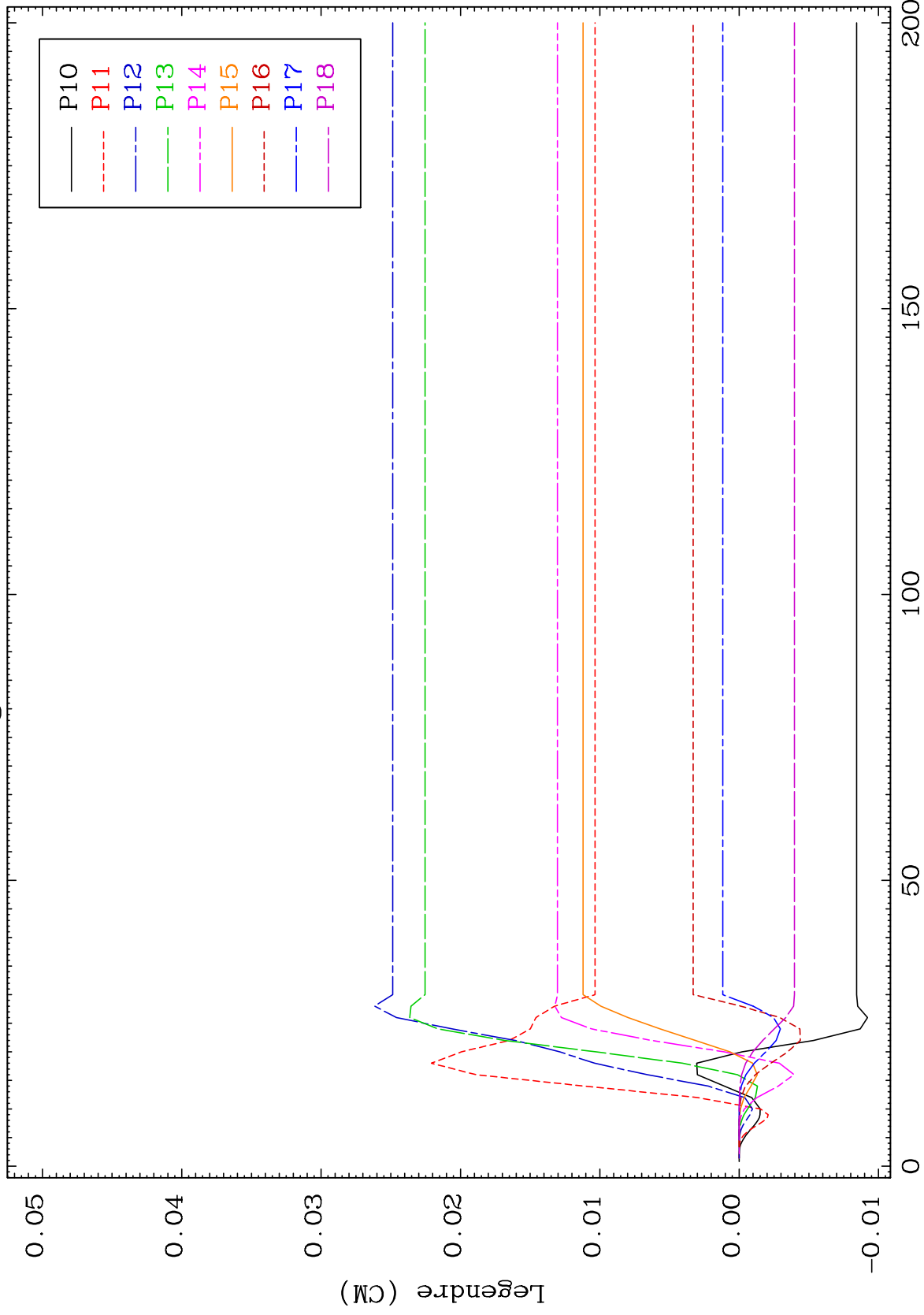
Incident Energy (MeV)

61-Pm-127

MAT 6089

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

61-Pm-127



46

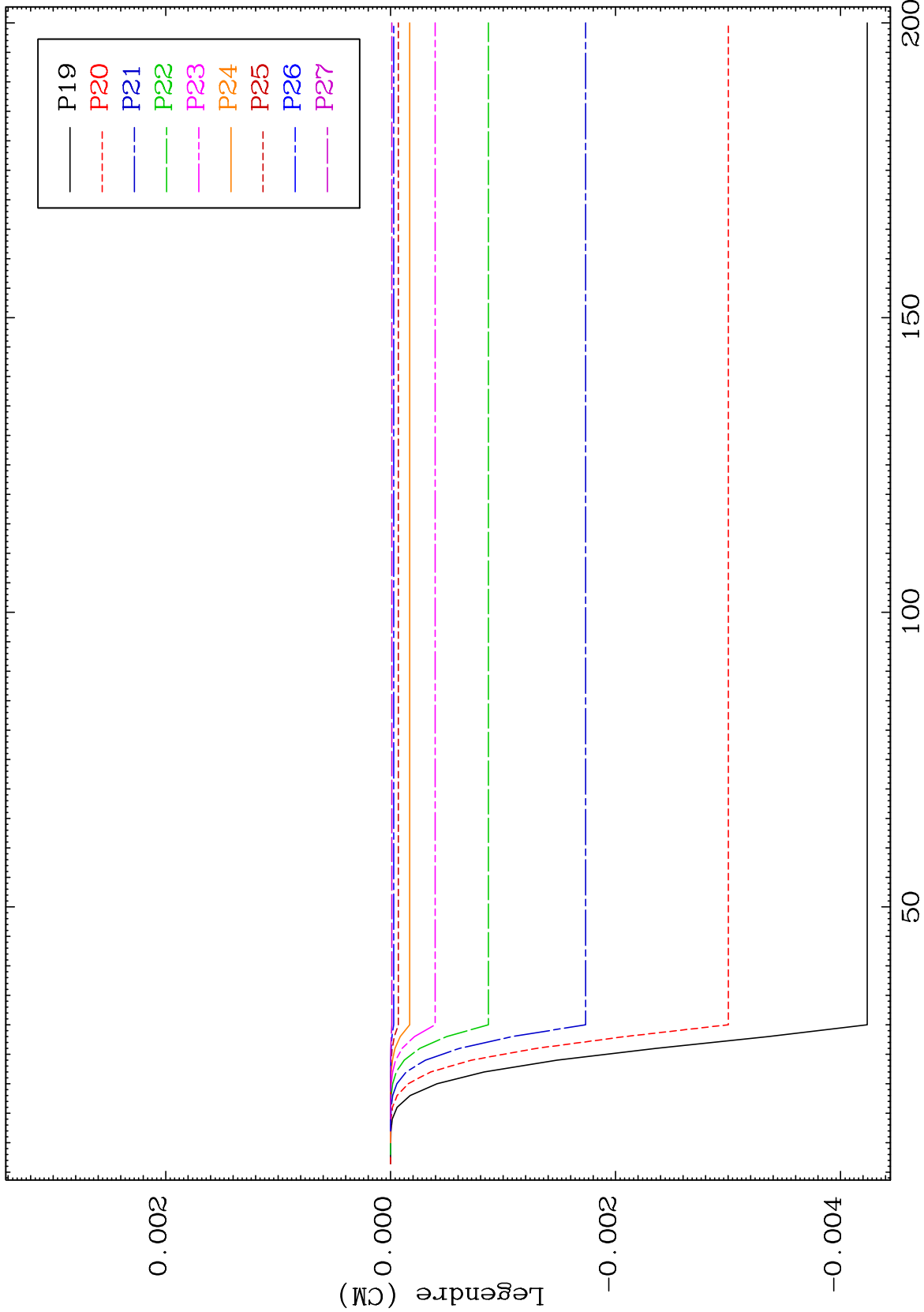
Incident Energy (MeV)

61-Pm-127

MAT 6089

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

61-Pm-127



47

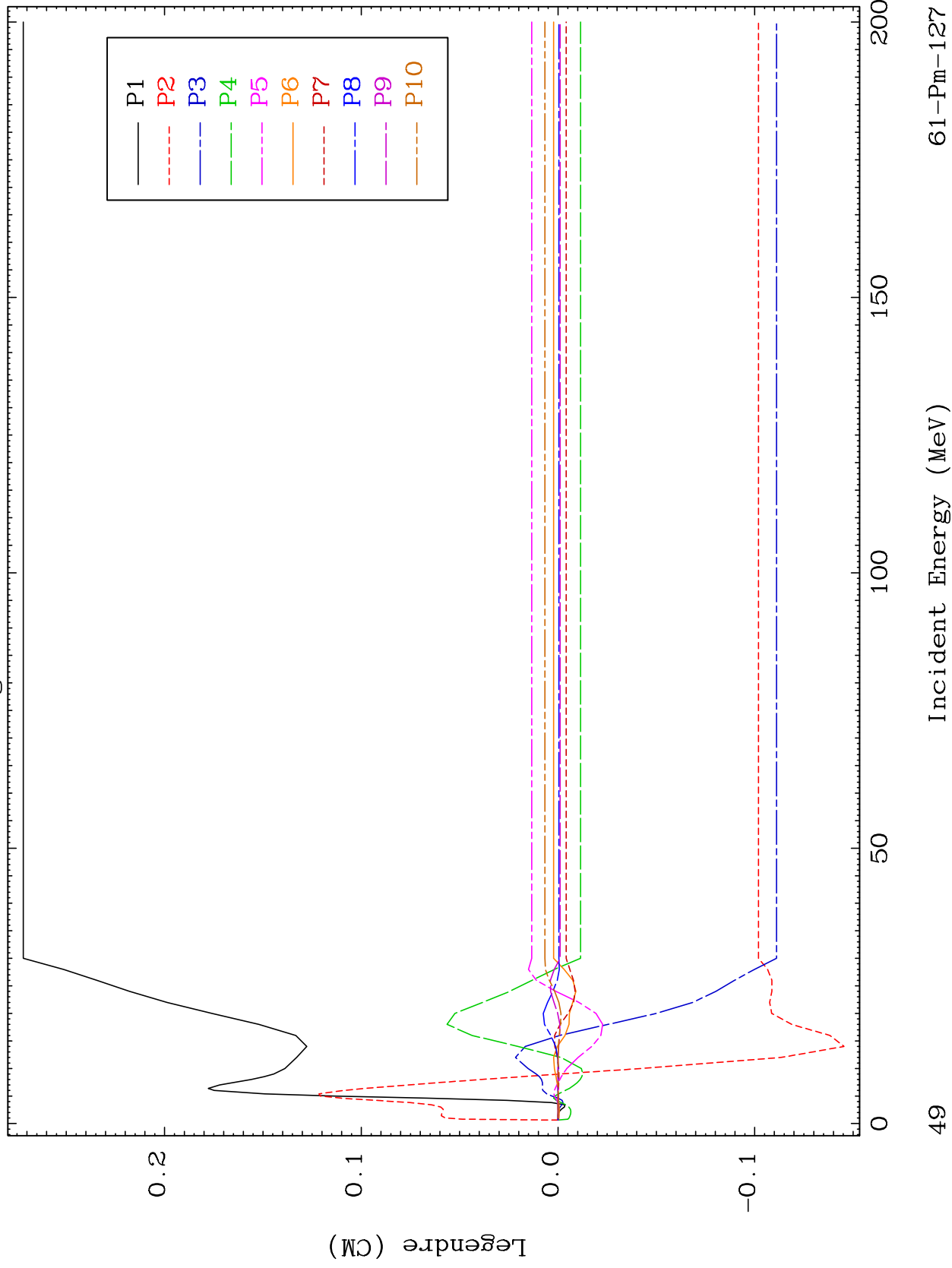
Incident Energy (MeV)

61-Pm-127

MAT 6089

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

61-Pm-127



61-Pm-127

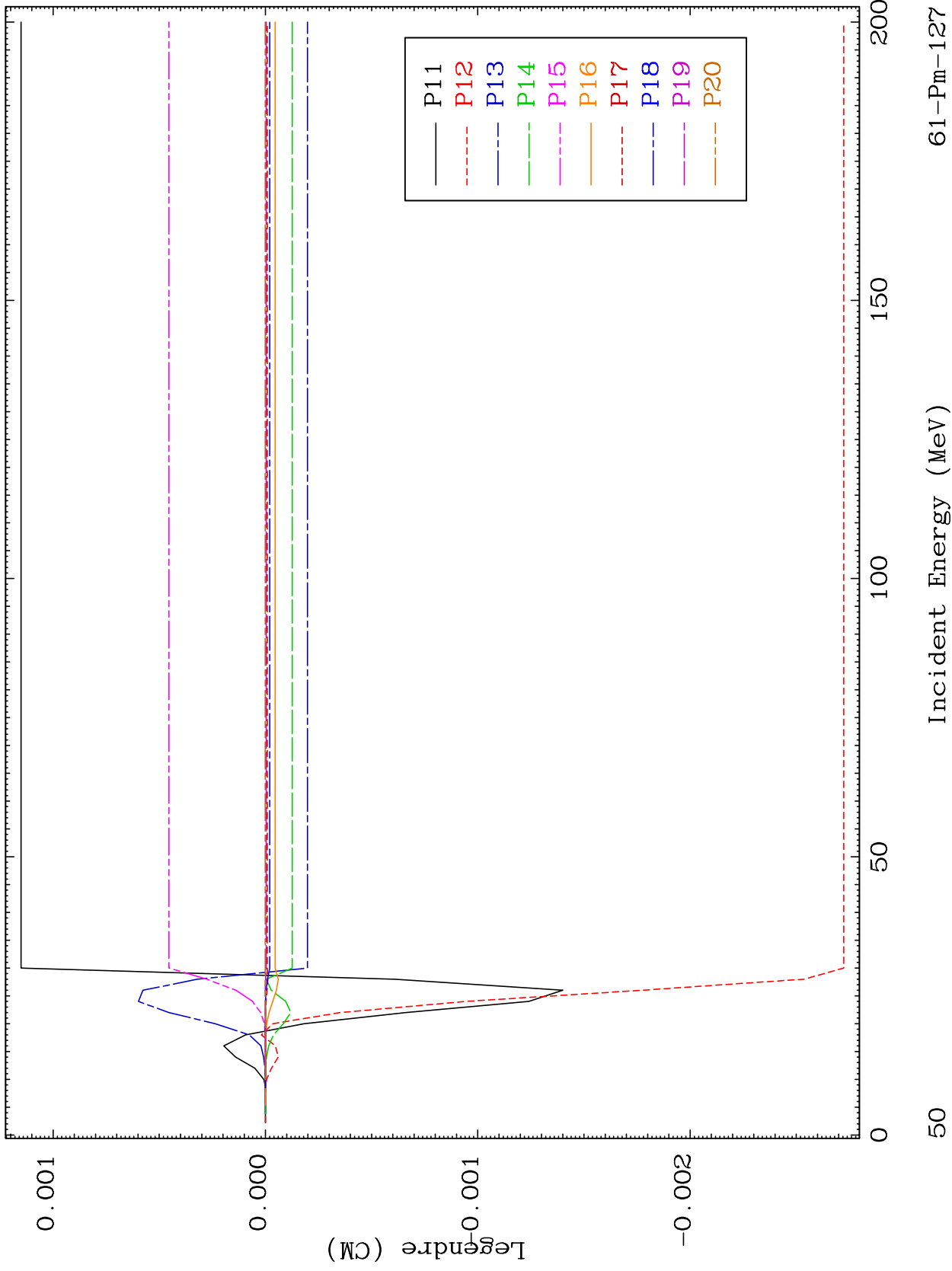
Incident Energy (MeV)

49

MAT 6089

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

61-Pm-127



61-Pm-127

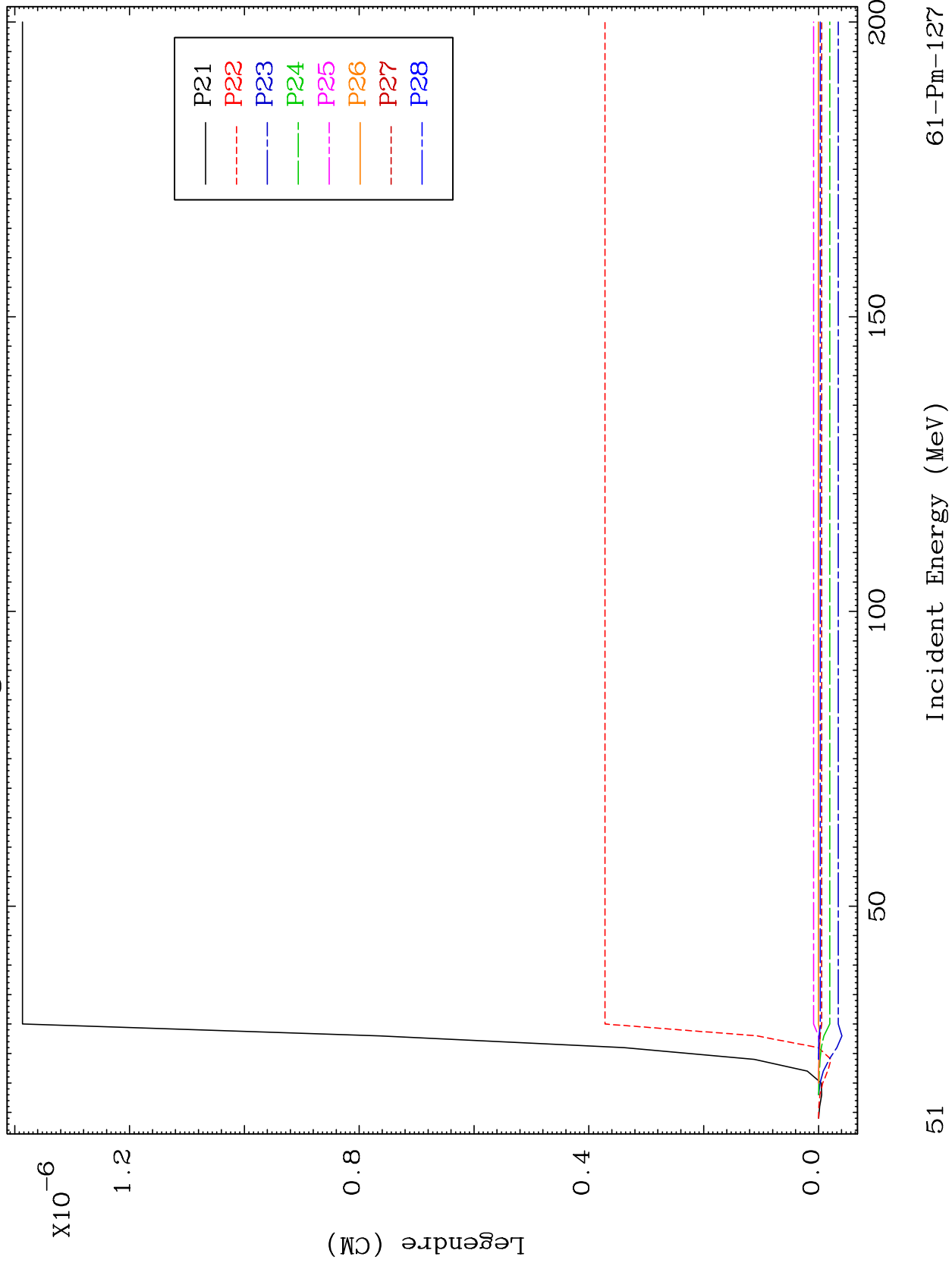
Incident Energy (MeV)

50

MAT 6089

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

61-Pm-127



51

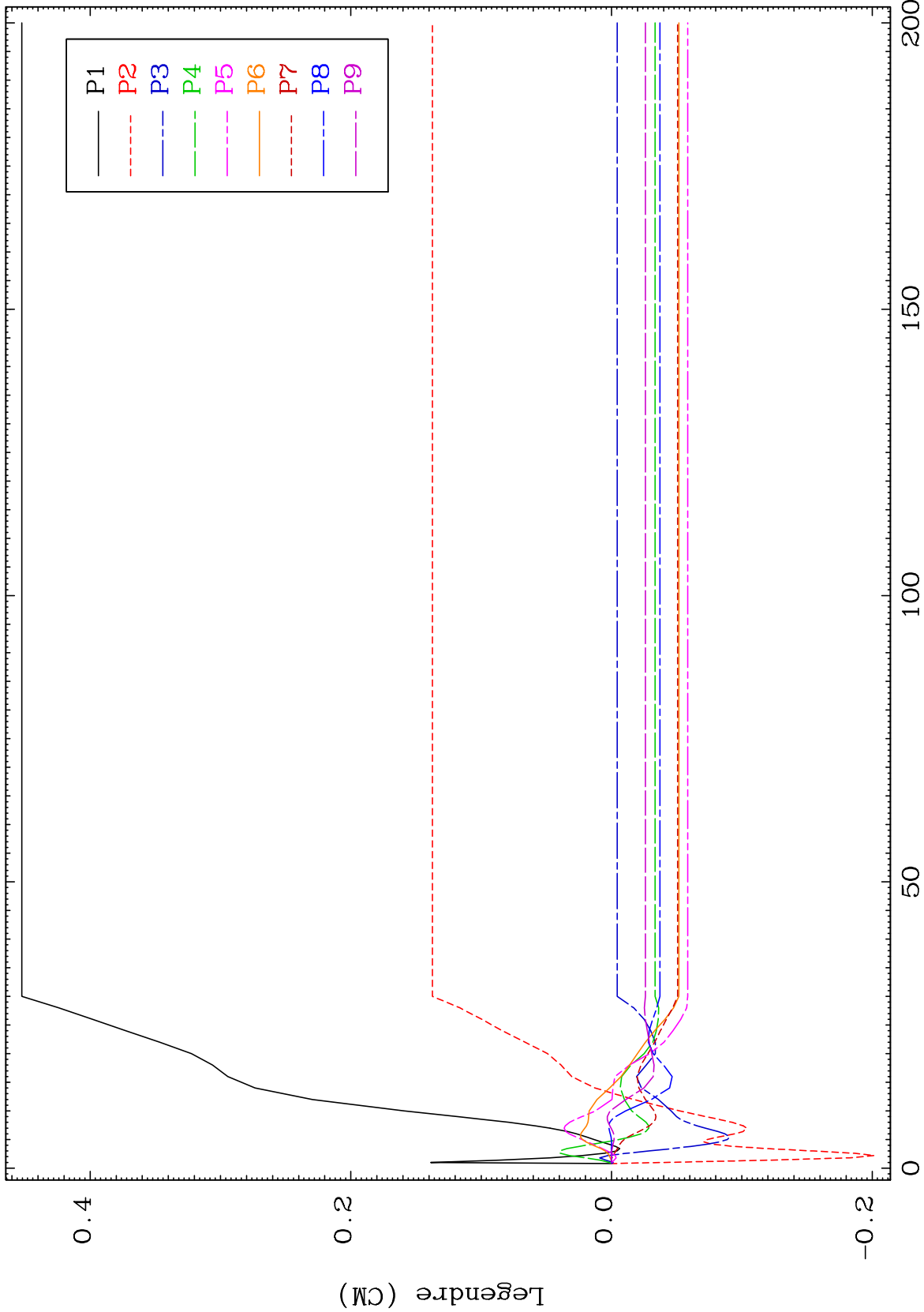
Incident Energy (MeV)

61-Pm-127

MAT 6089

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

61-Pm-127



52

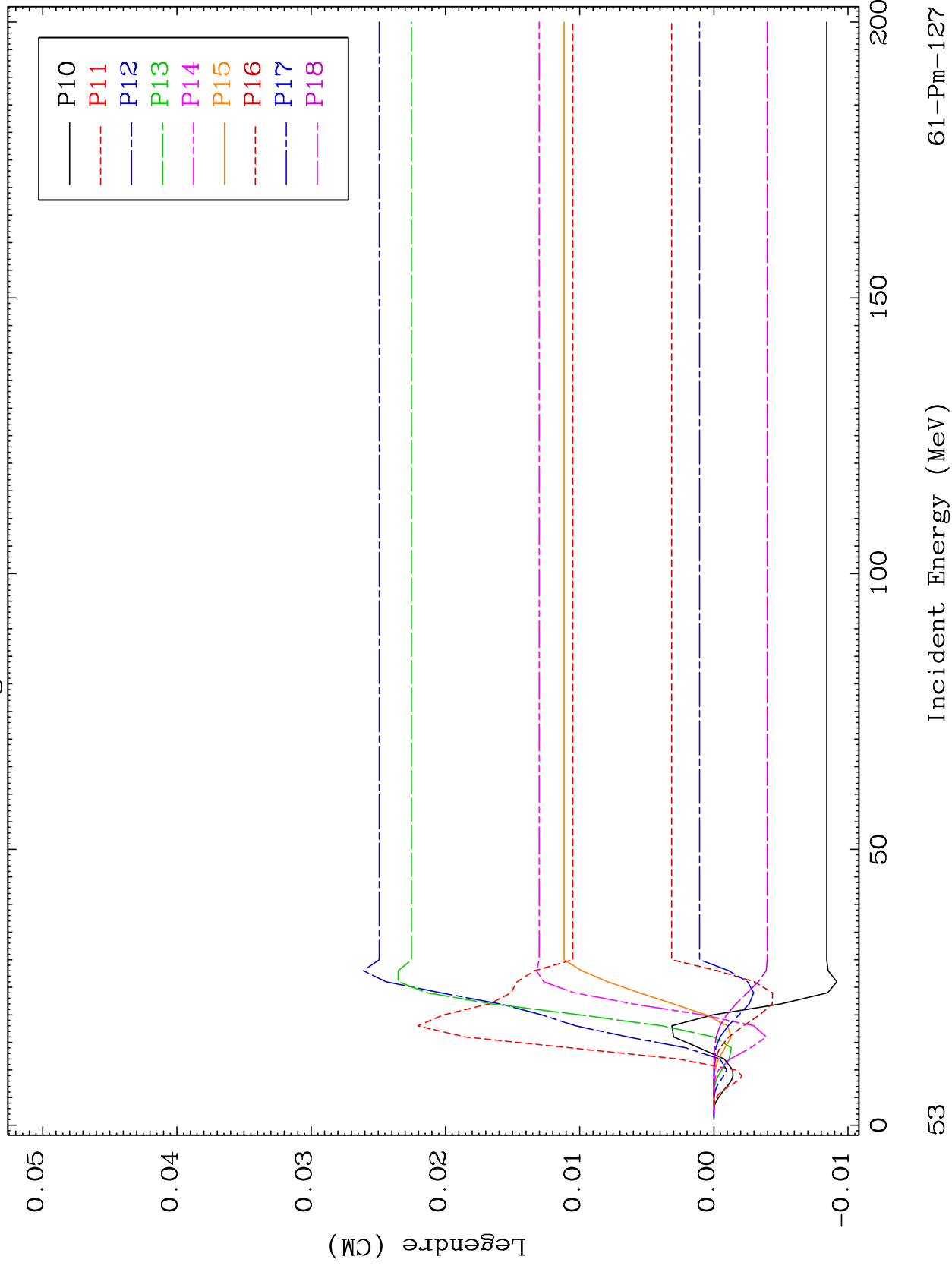
Incident Energy (MeV)

61-Pm-127

MAT 6089

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

61-Pm-127



53

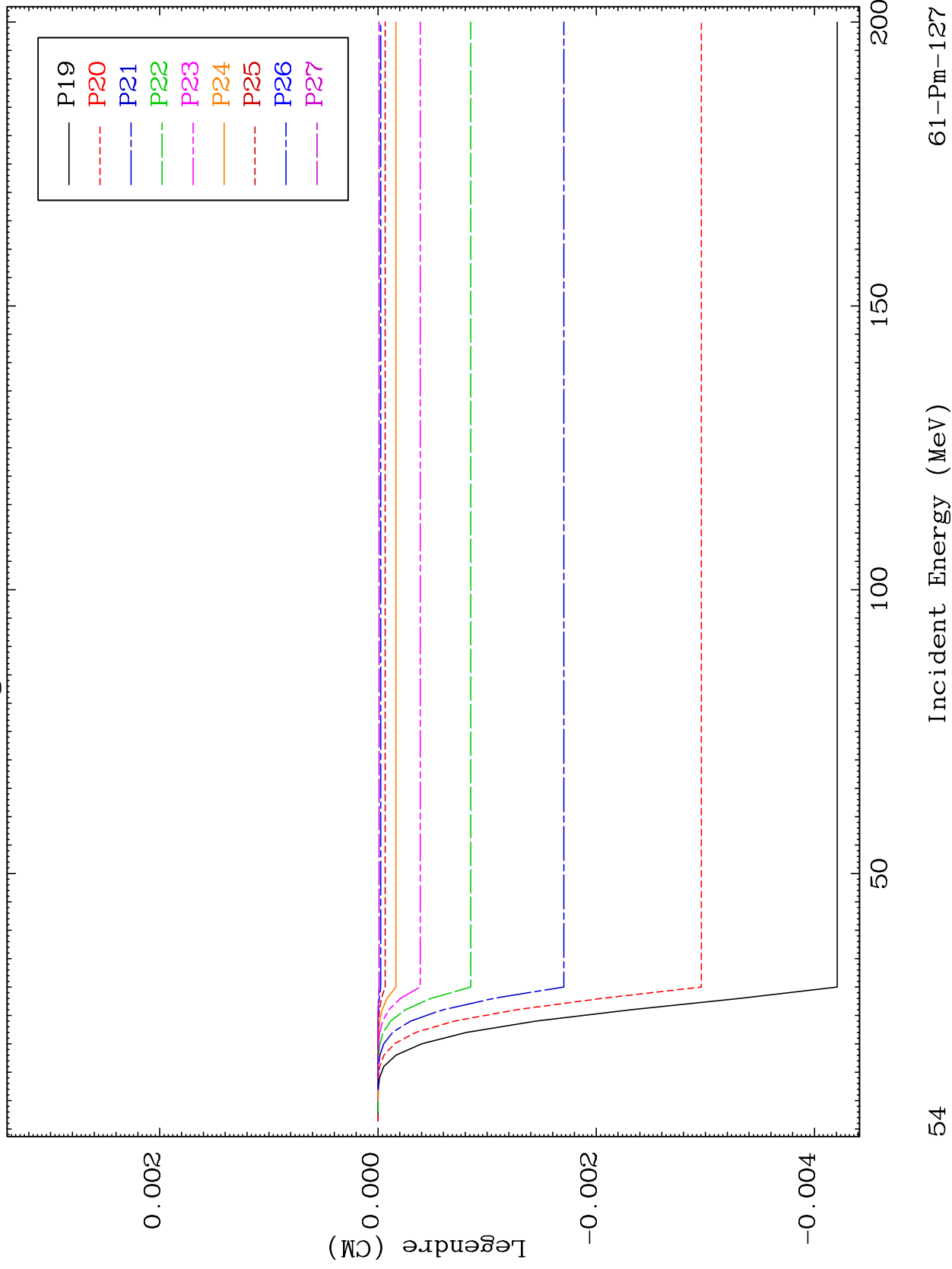
Incident Energy (MeV)

61-Pm-127

MAT 6089

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

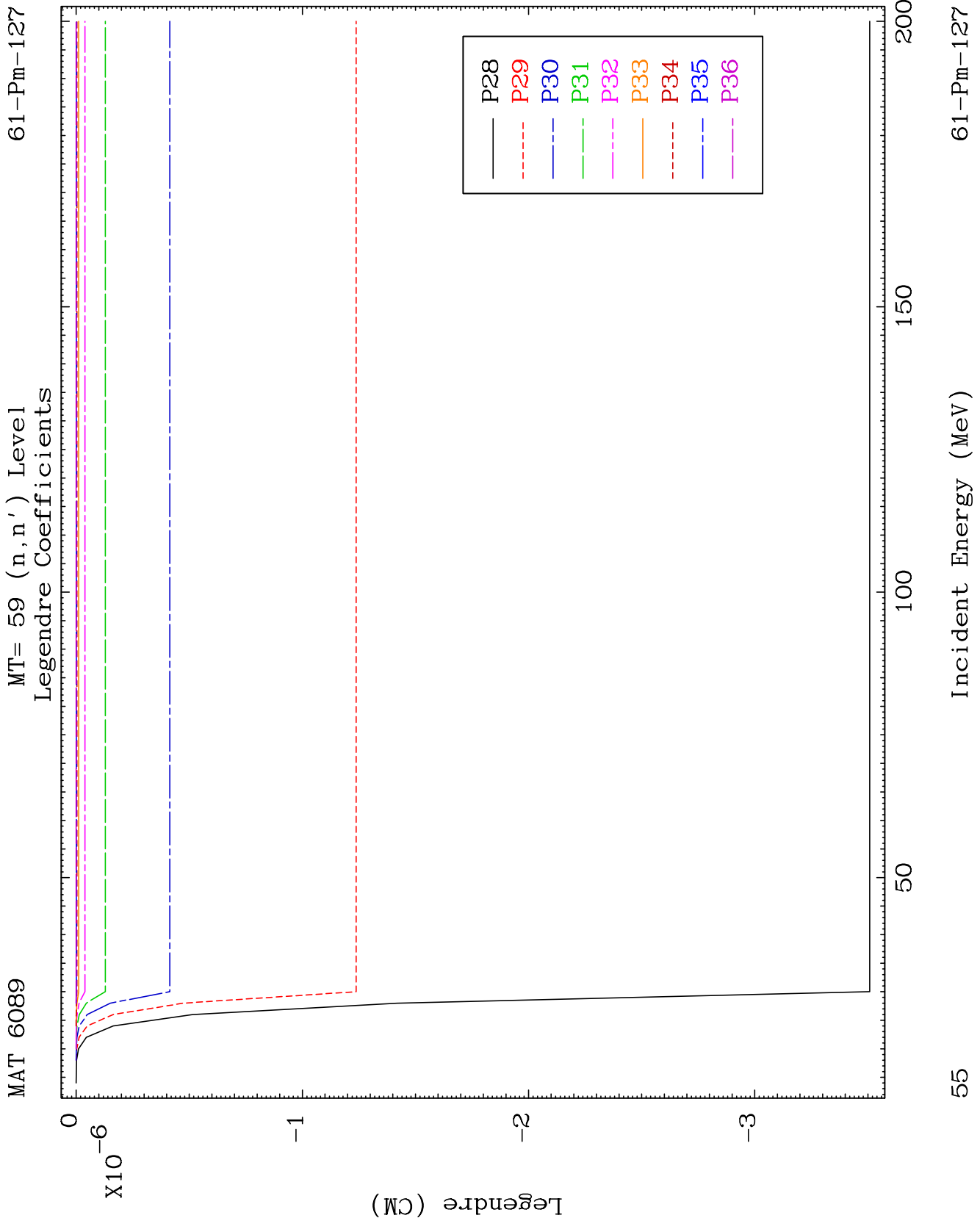
61-Pm-127



54

Incident Energy (MeV)

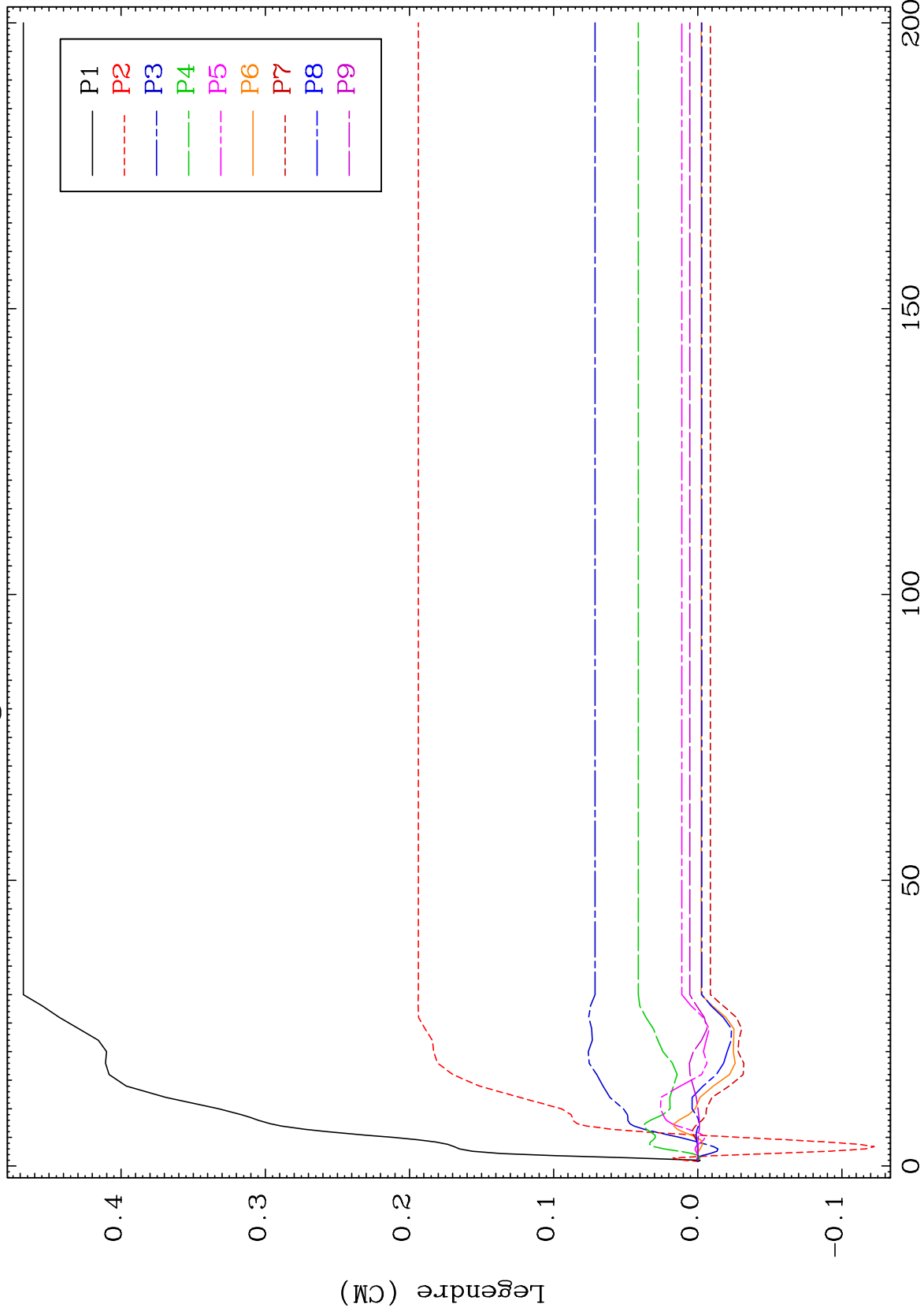
61-Pm-127



MAT 6089

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

61-Pm-127



56

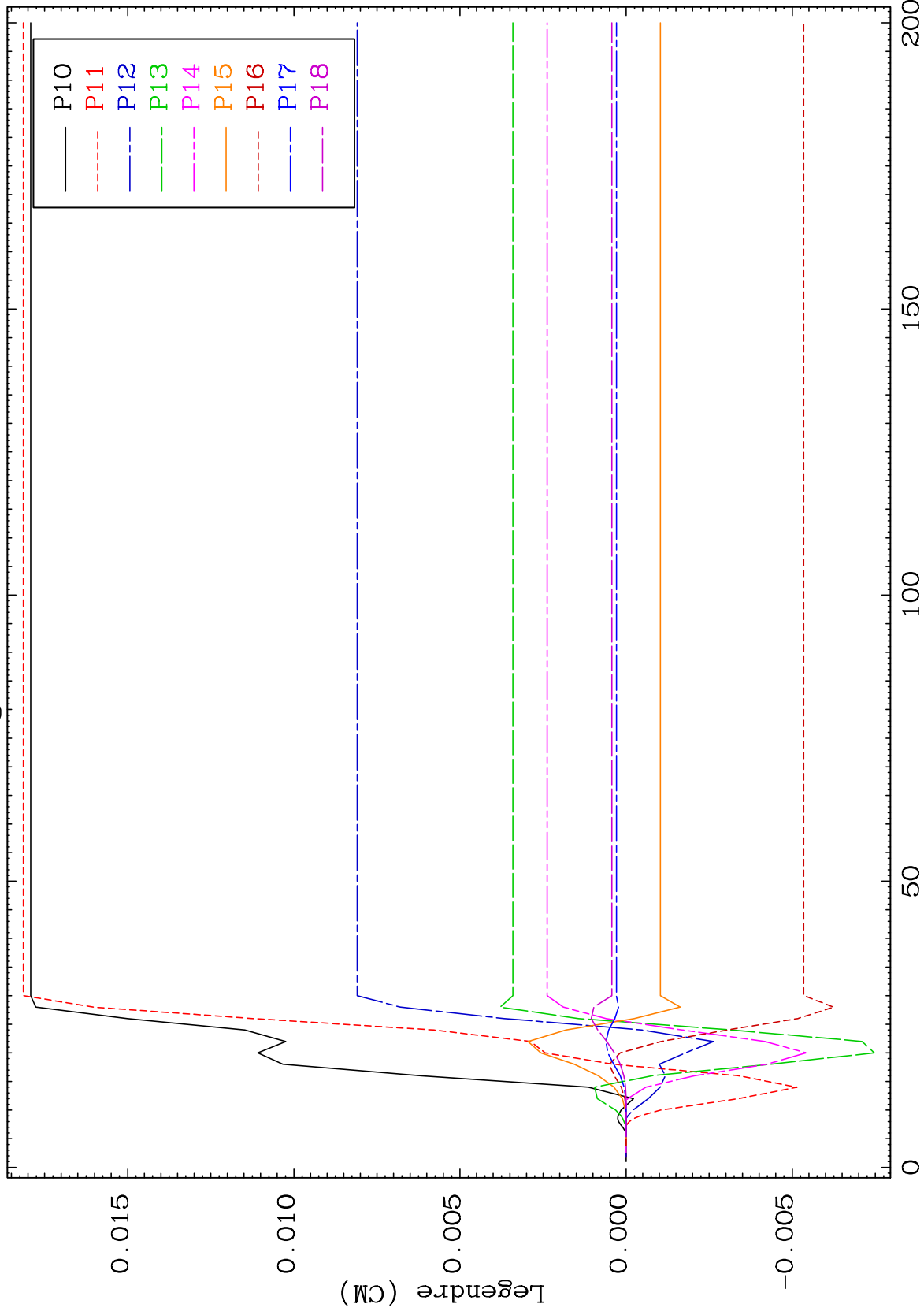
Incident Energy (MeV)

61-Pm-127

MAT 6089

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

61-Pm-127



57

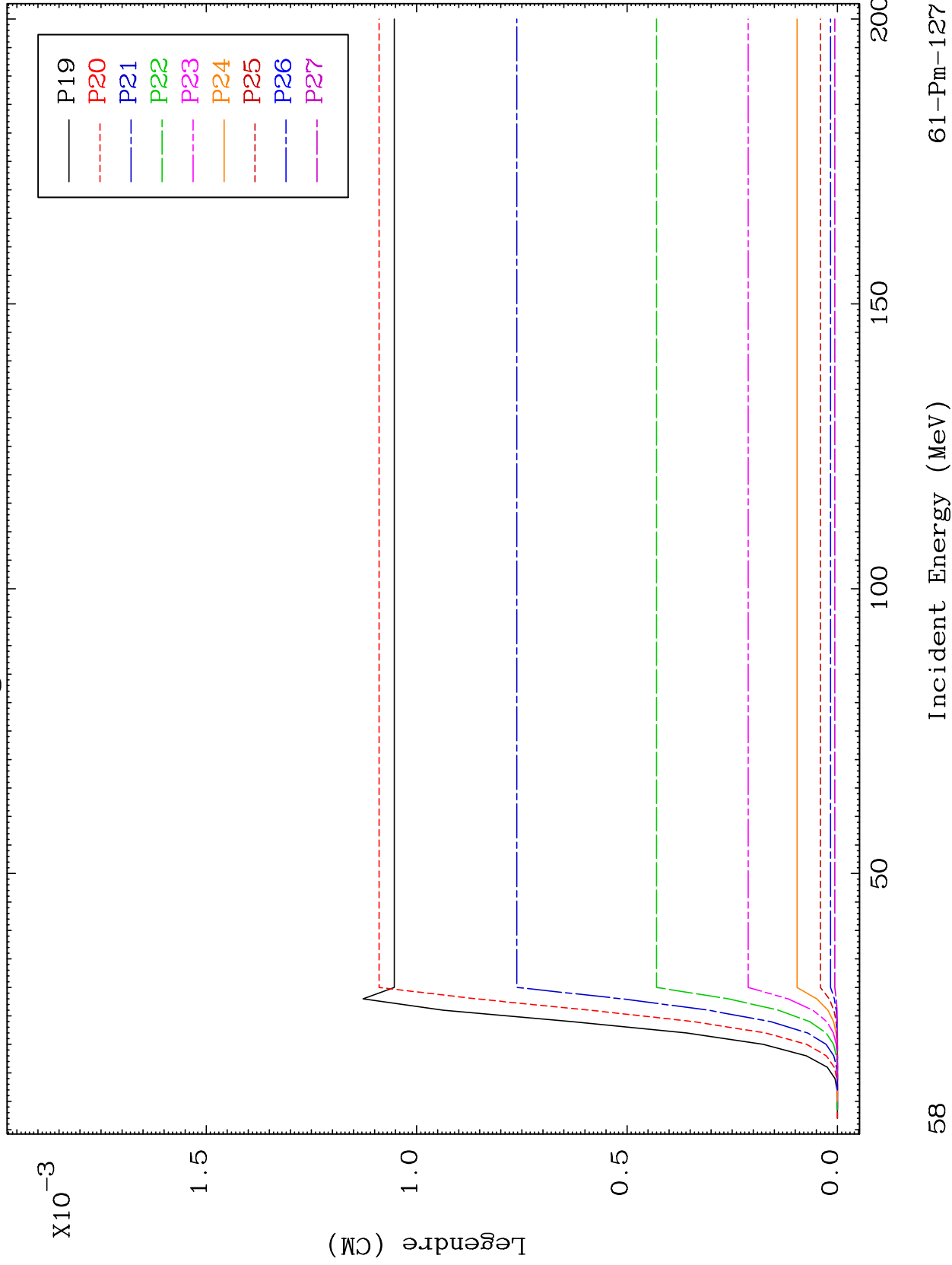
Incident Energy (MeV)

61-Pm-127

MAT 6089

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

61-Pm-127



58

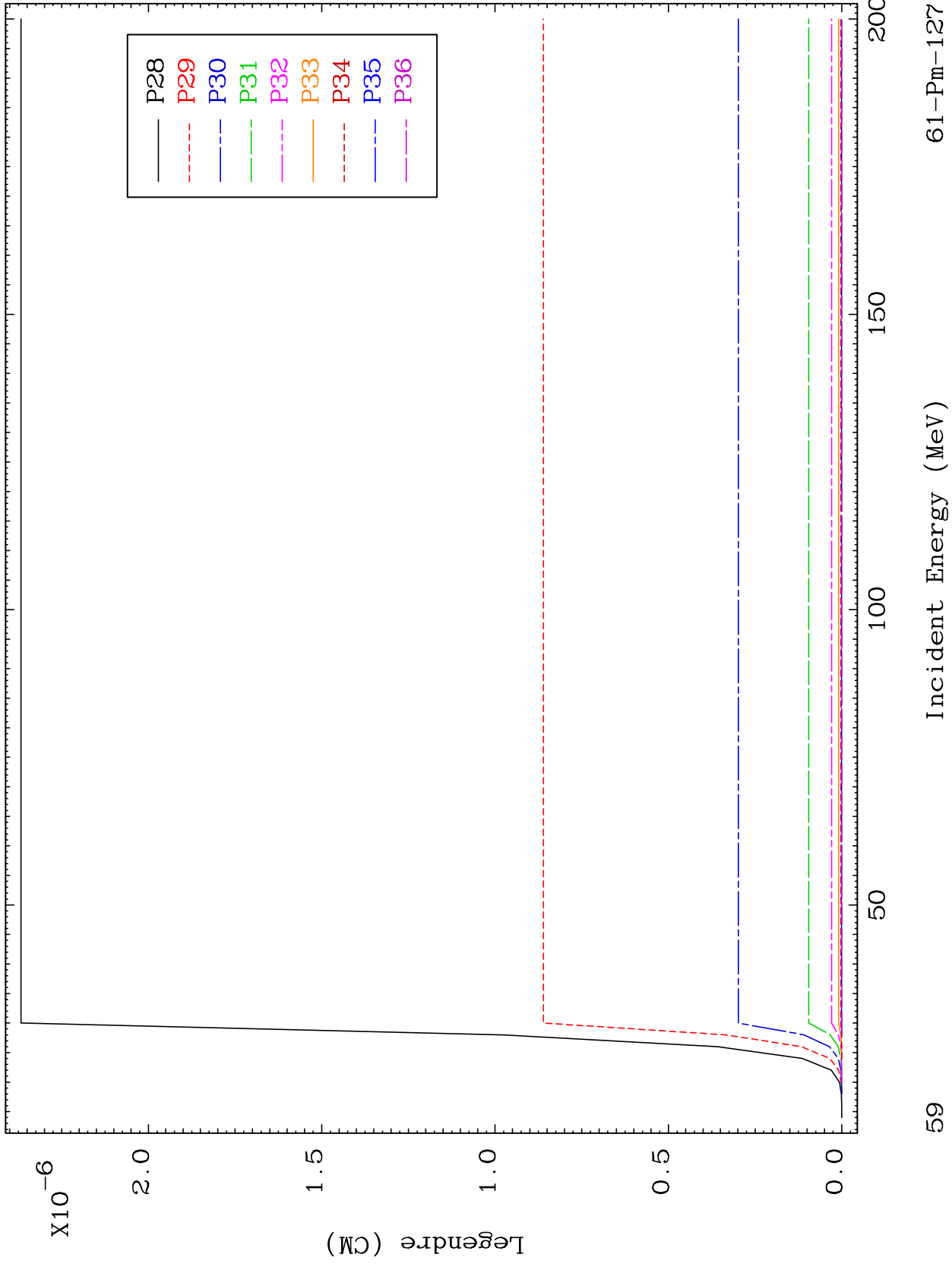
Incident Energy (MeV)

61-Pm-127

MAT 6089

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

61-Pm-127



59

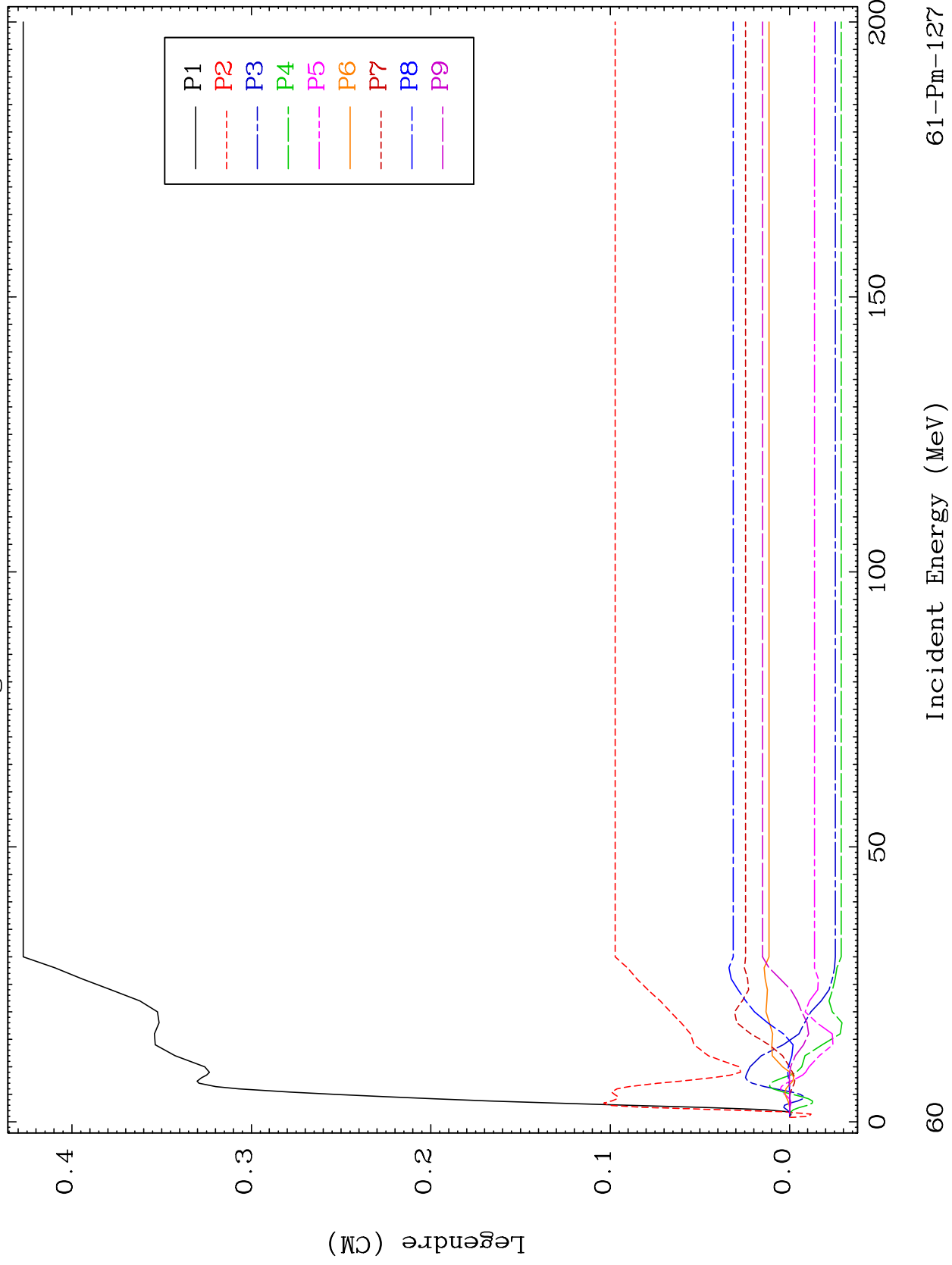
Incident Energy (MeV)

61-Pm-127

MAT 6089

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

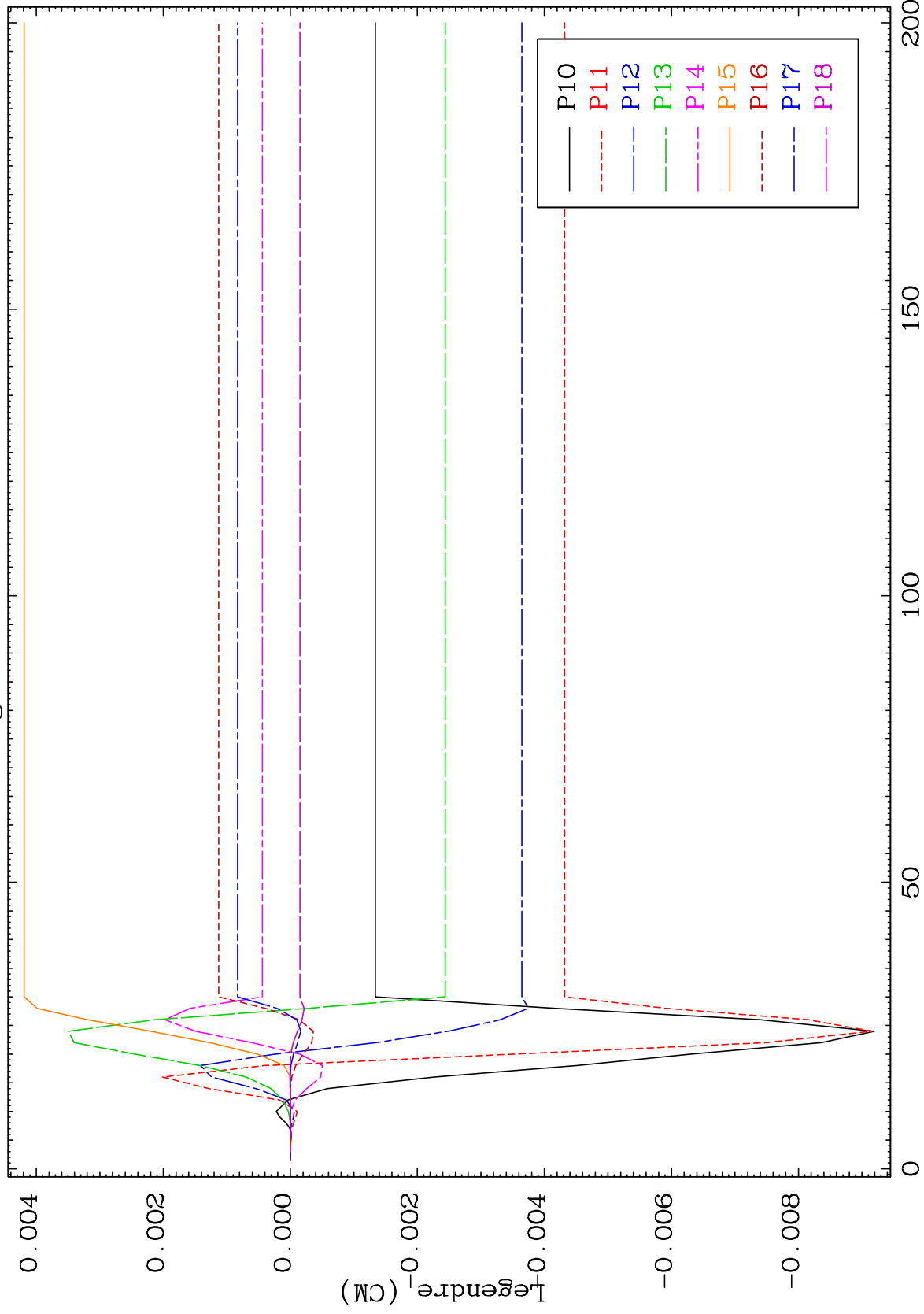
61-Pm-127



MAT 6089

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

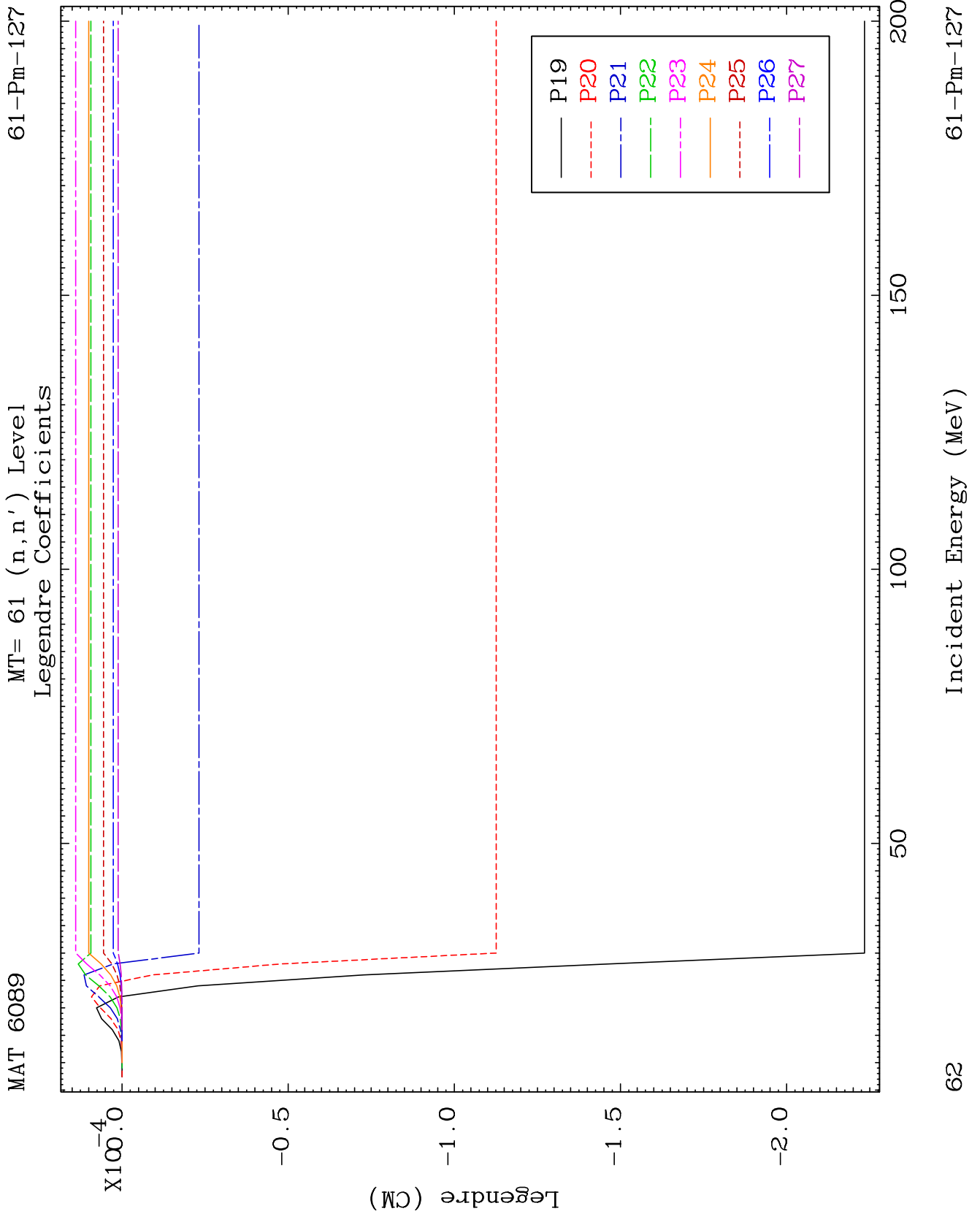
61-Pm-127



61

Incident Energy (MeV)

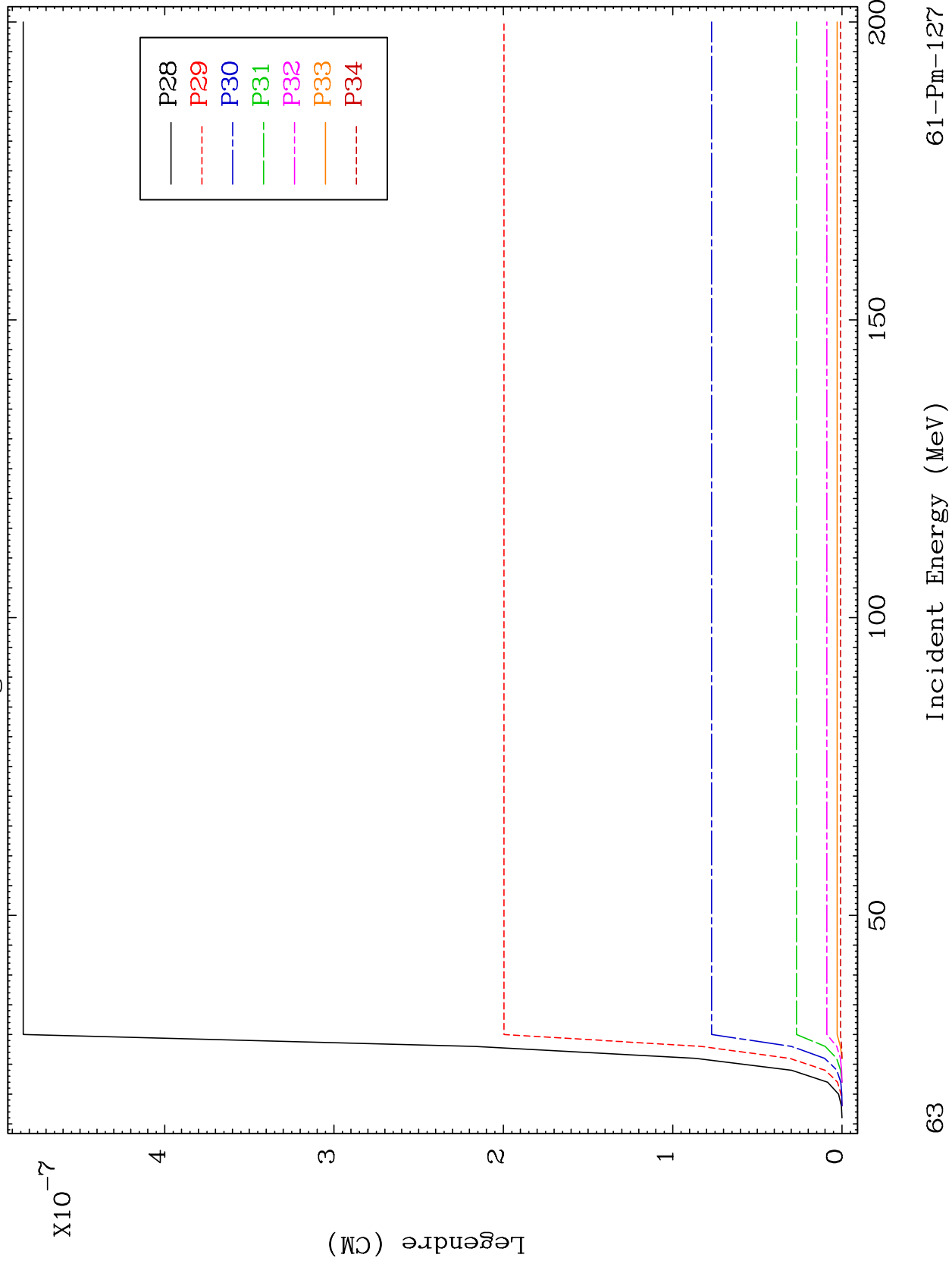
61-Pm-127



MAT 6089

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

61-Pm-127



63

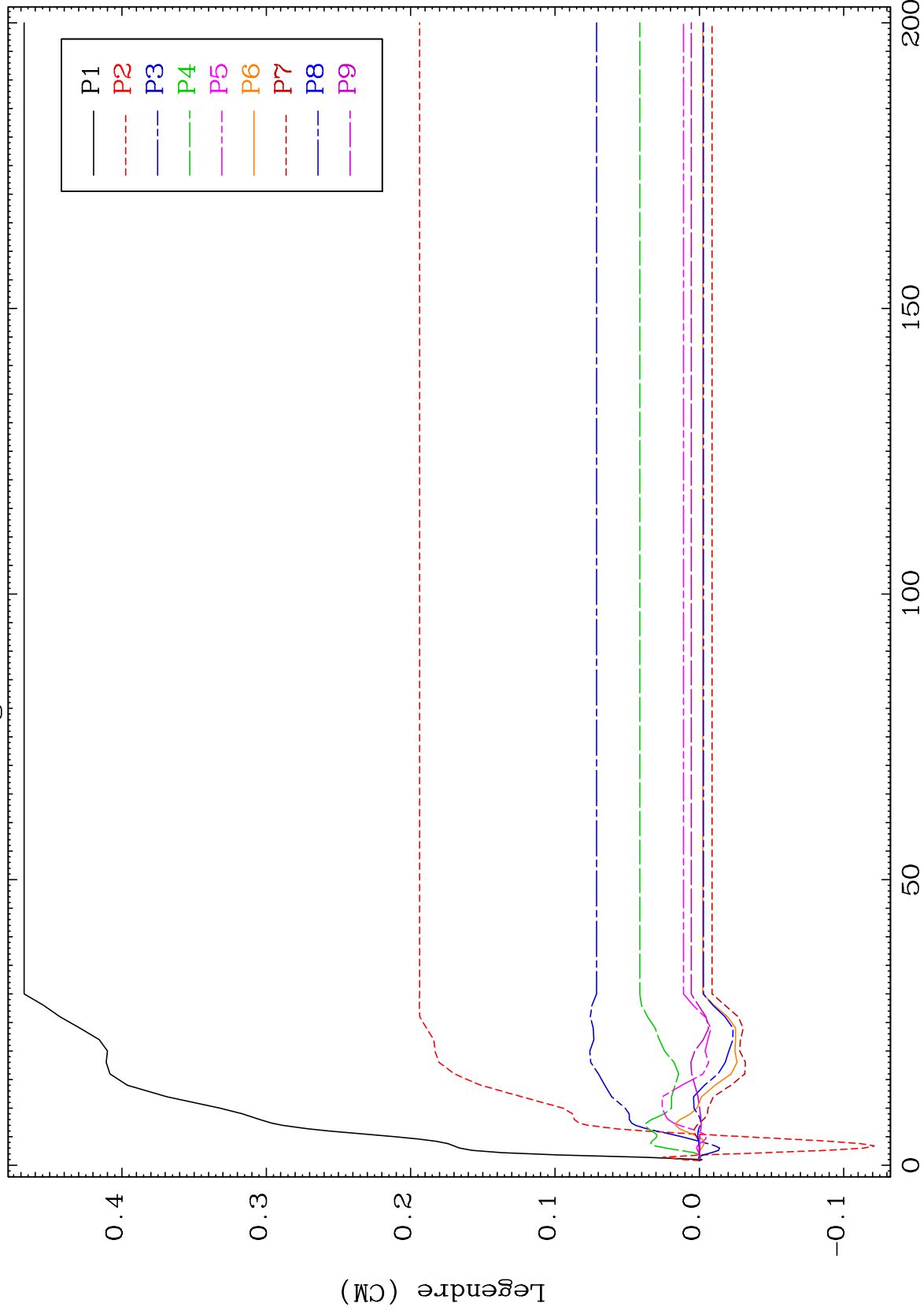
Incident Energy (MeV)

61-Pm-127

MAT 6089

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

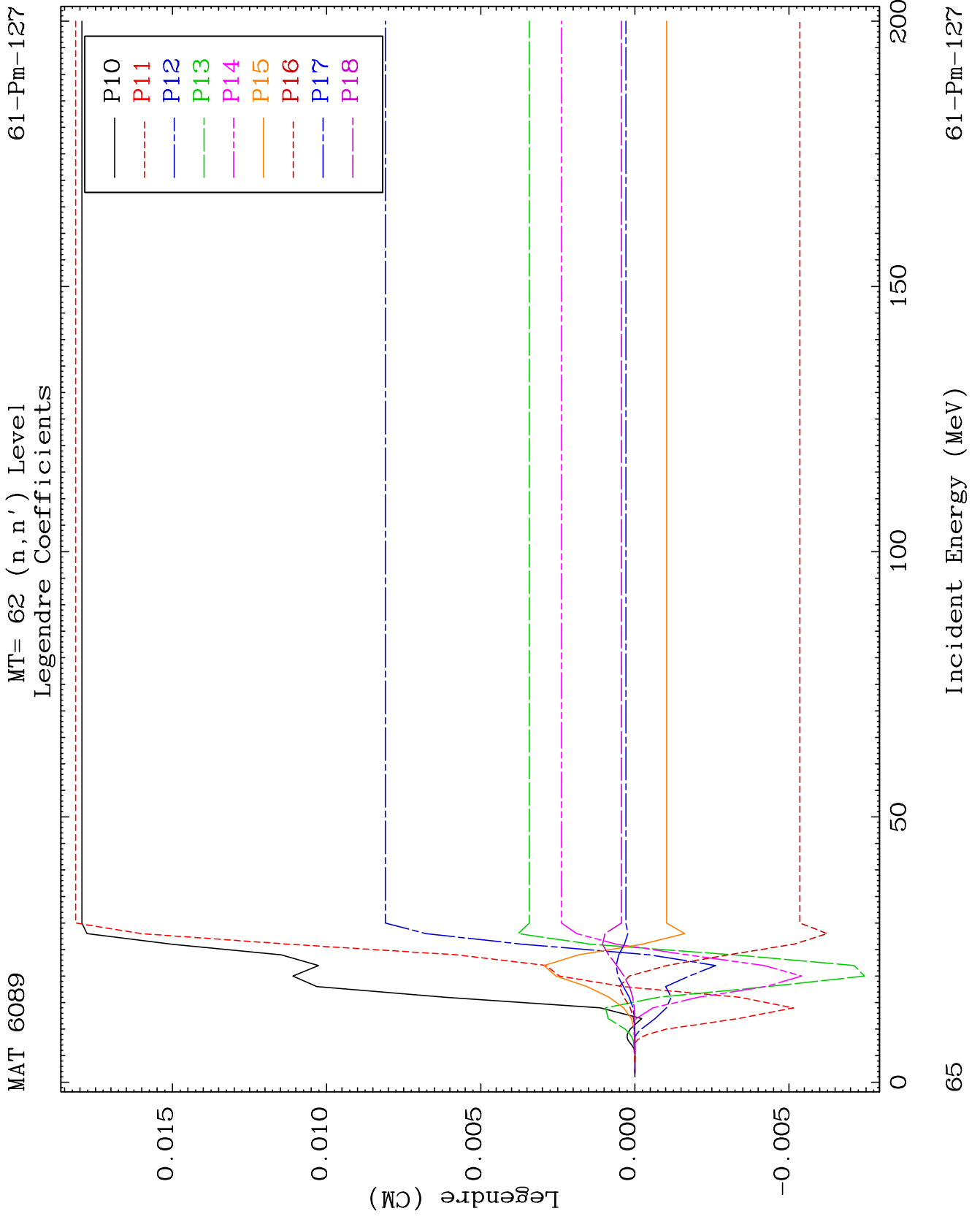
61-Pm-127



64

Incident Energy (MeV)

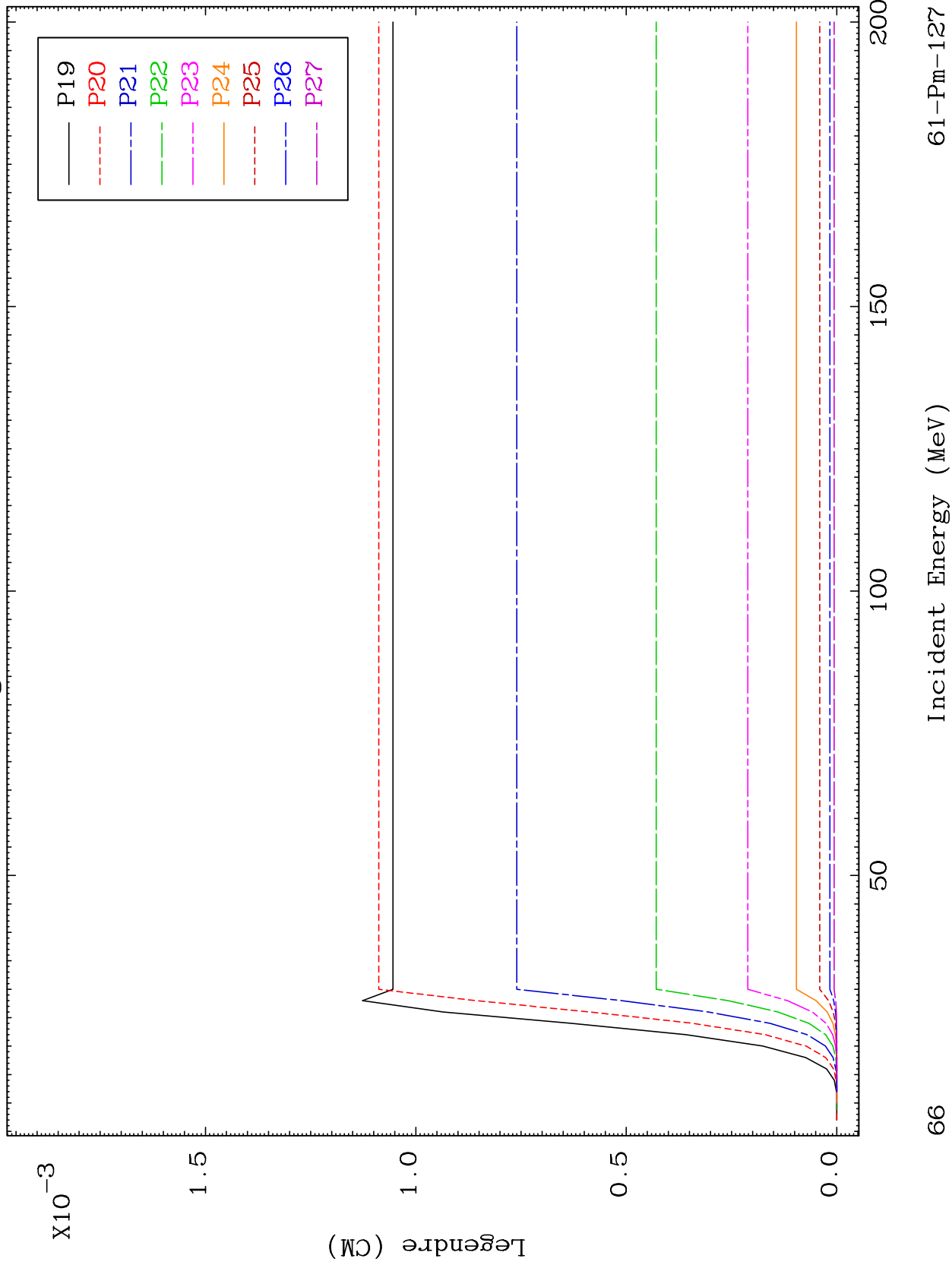
61-Pm-127



MAT 6089

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

61-Pm-127



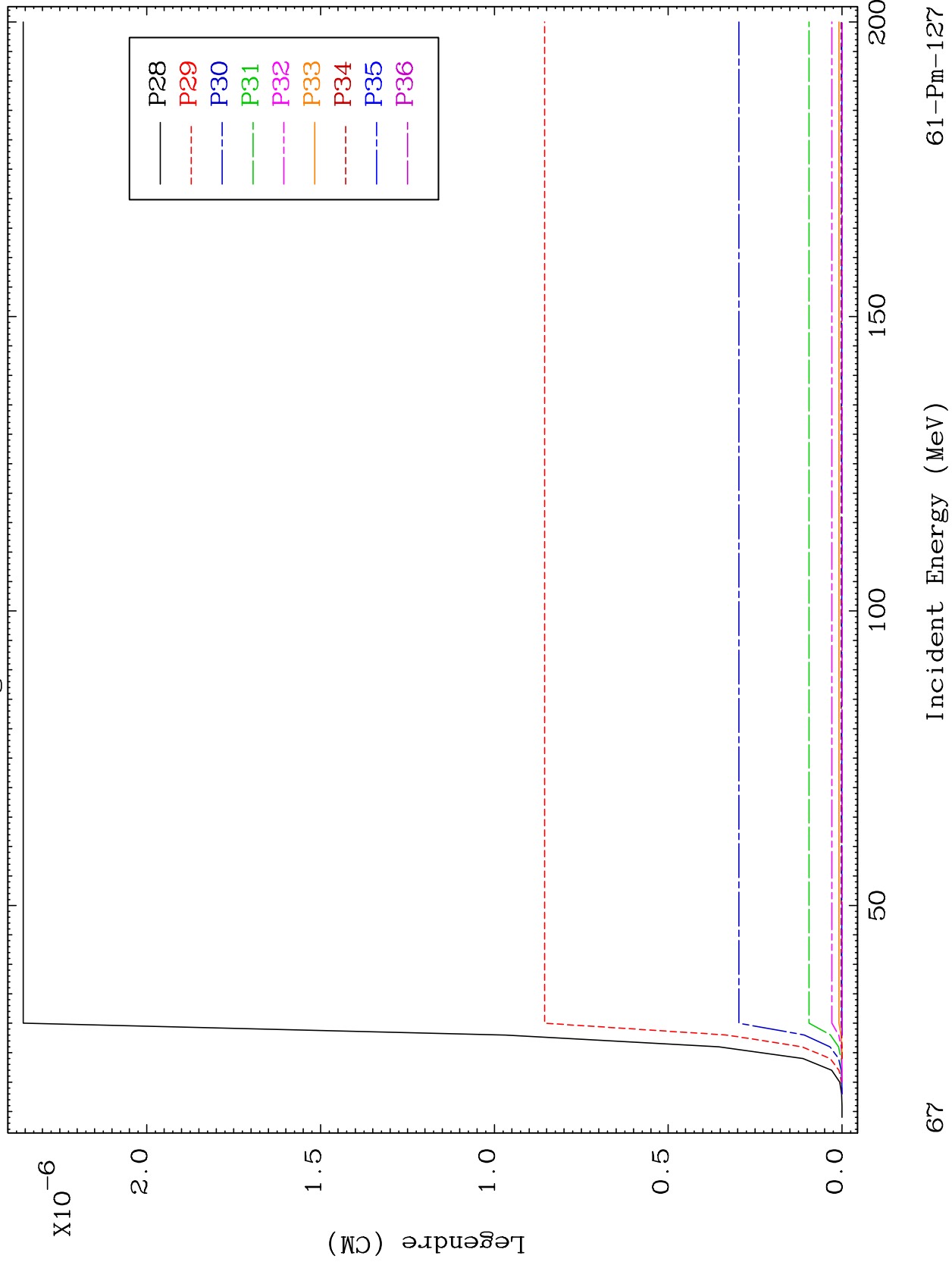
66

61-Pm-127

MAT 6089

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

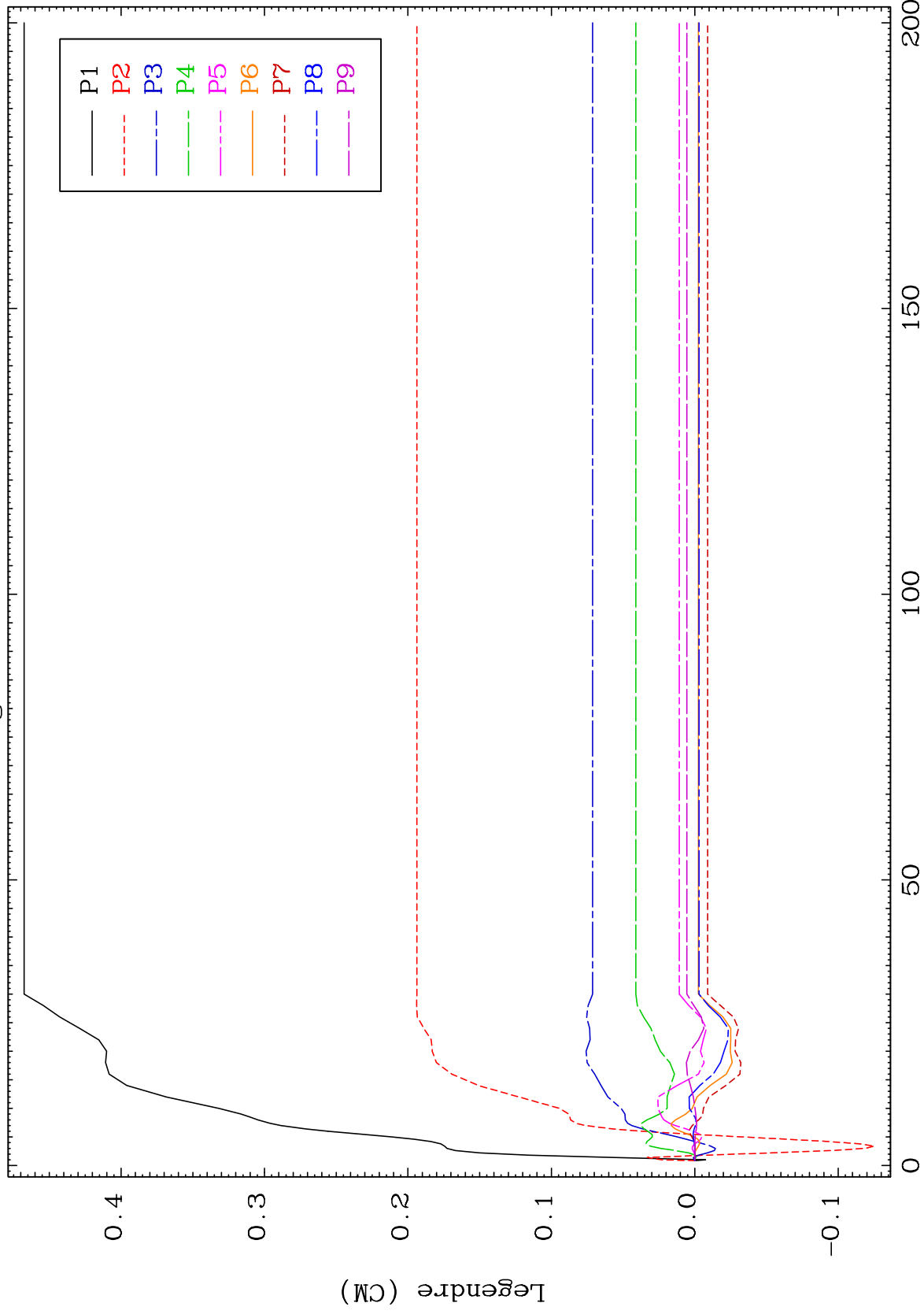
61-Pm-127



MAT 6089

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

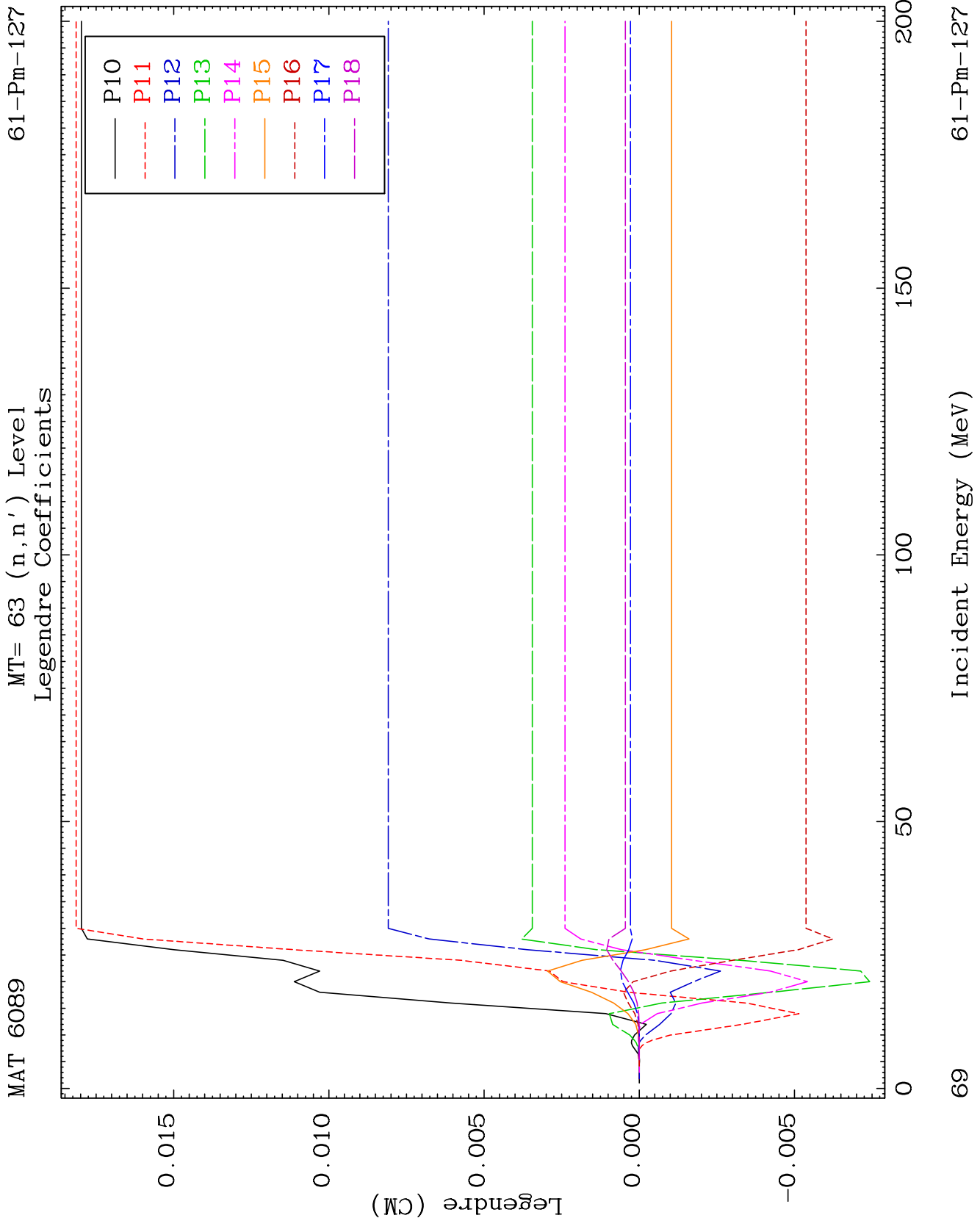
61-Pm-127



68

Incident Energy (MeV)

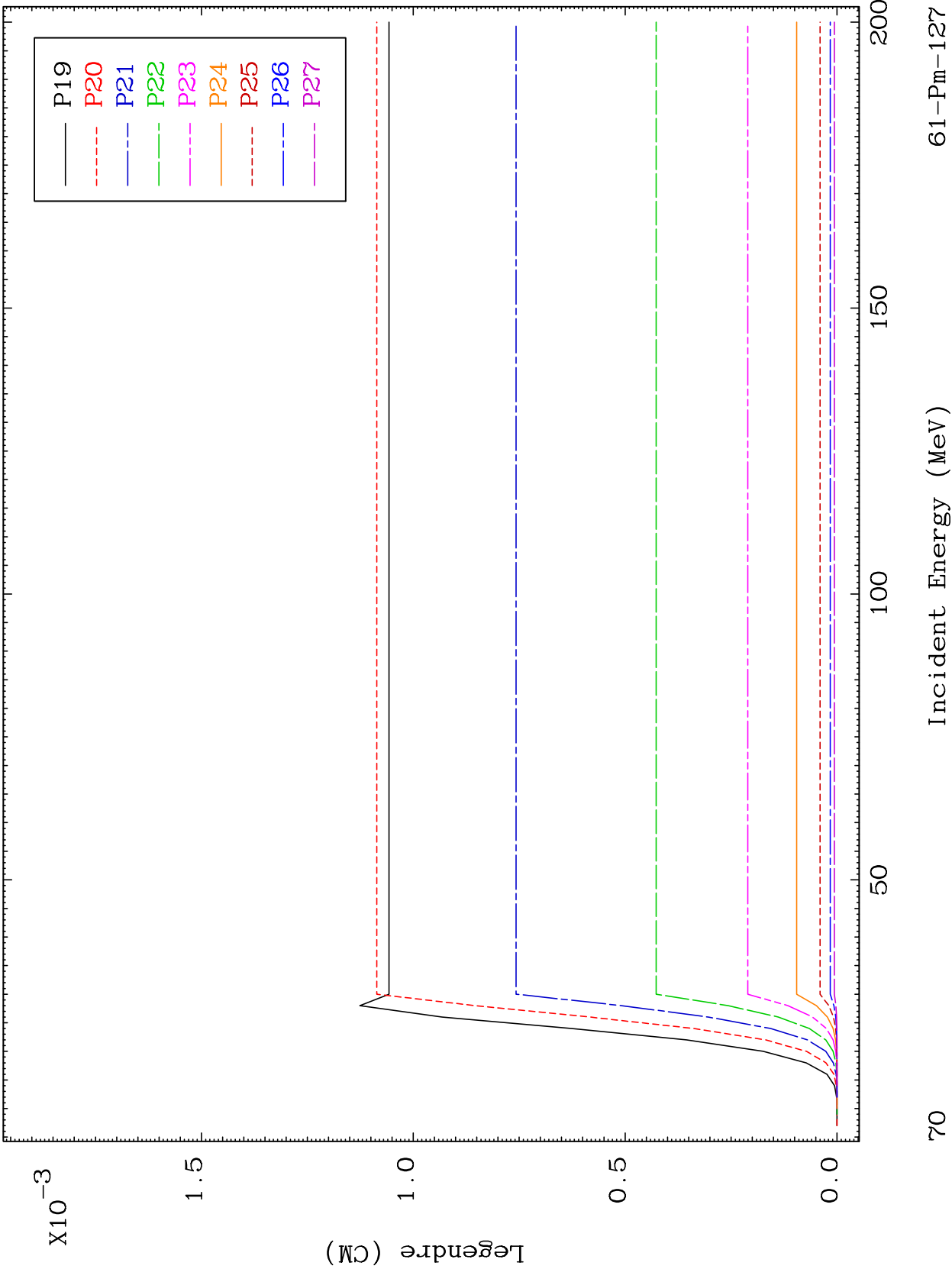
61-Pm-127



MAT 6089

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

61-Pm-127



61-Pm-127

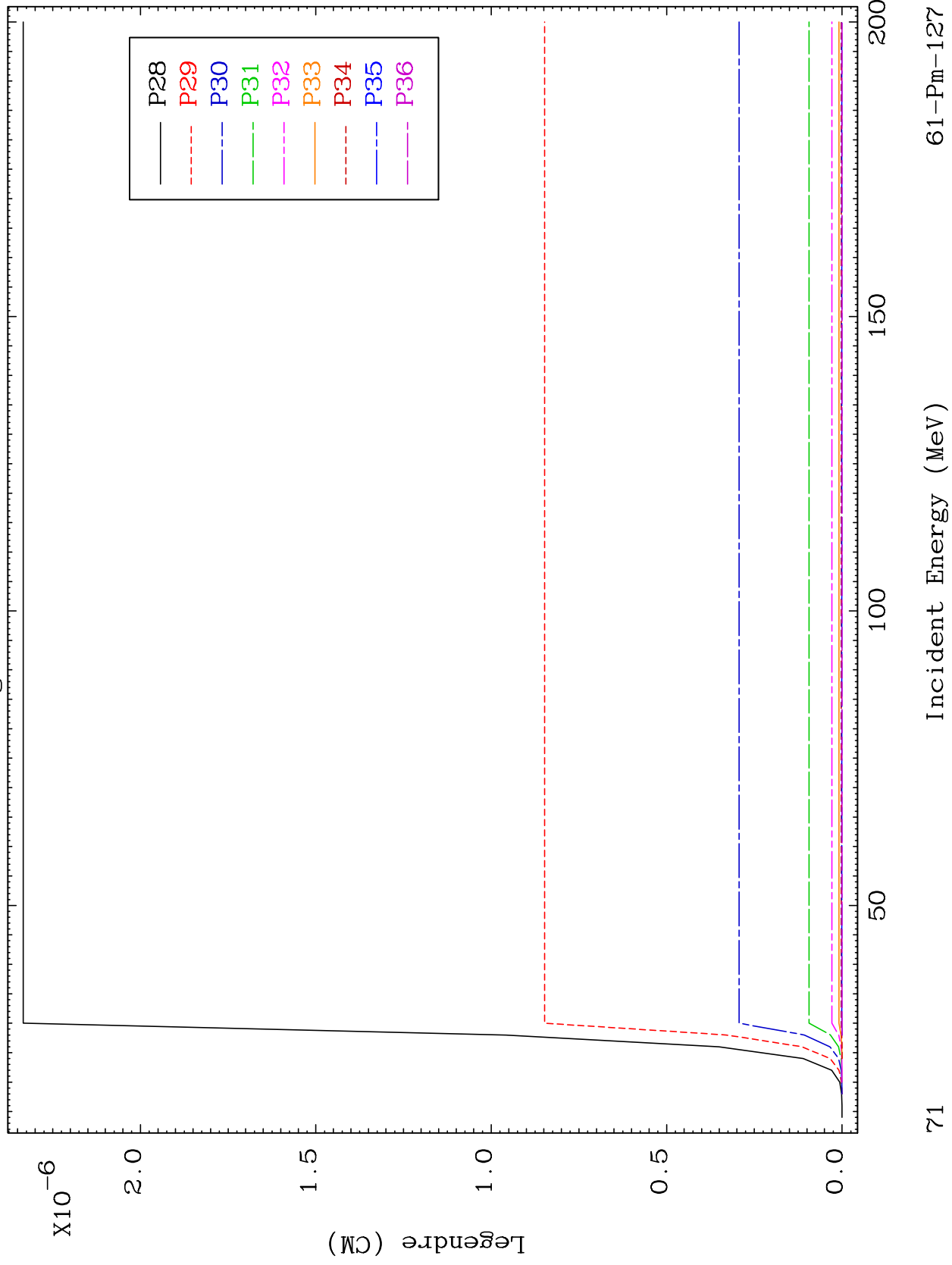
Incident Energy (MeV)

70

MAT 6089

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

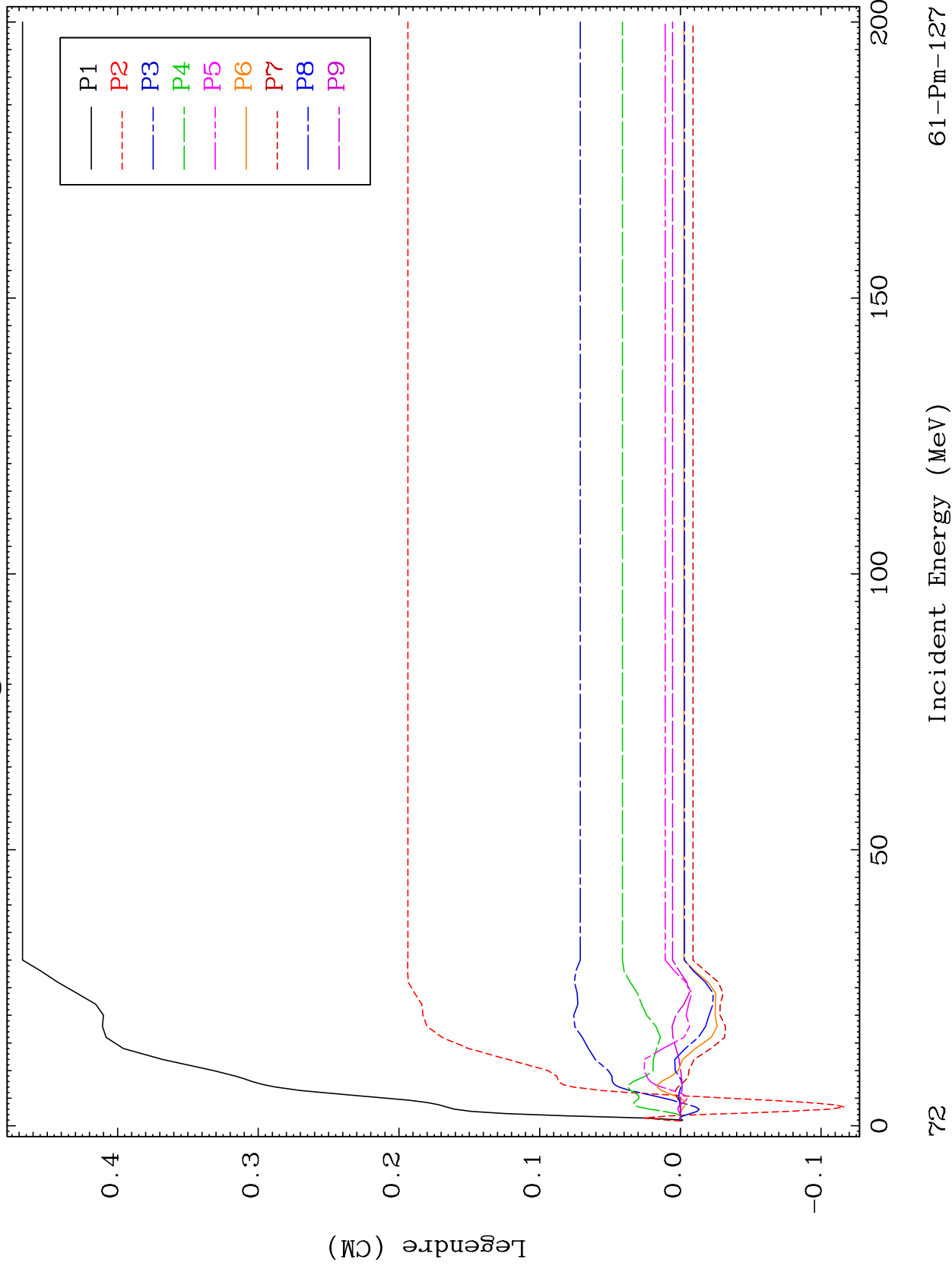
61-Pm-127



MAT 6089

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

61-Pm-127



61-Pm-127

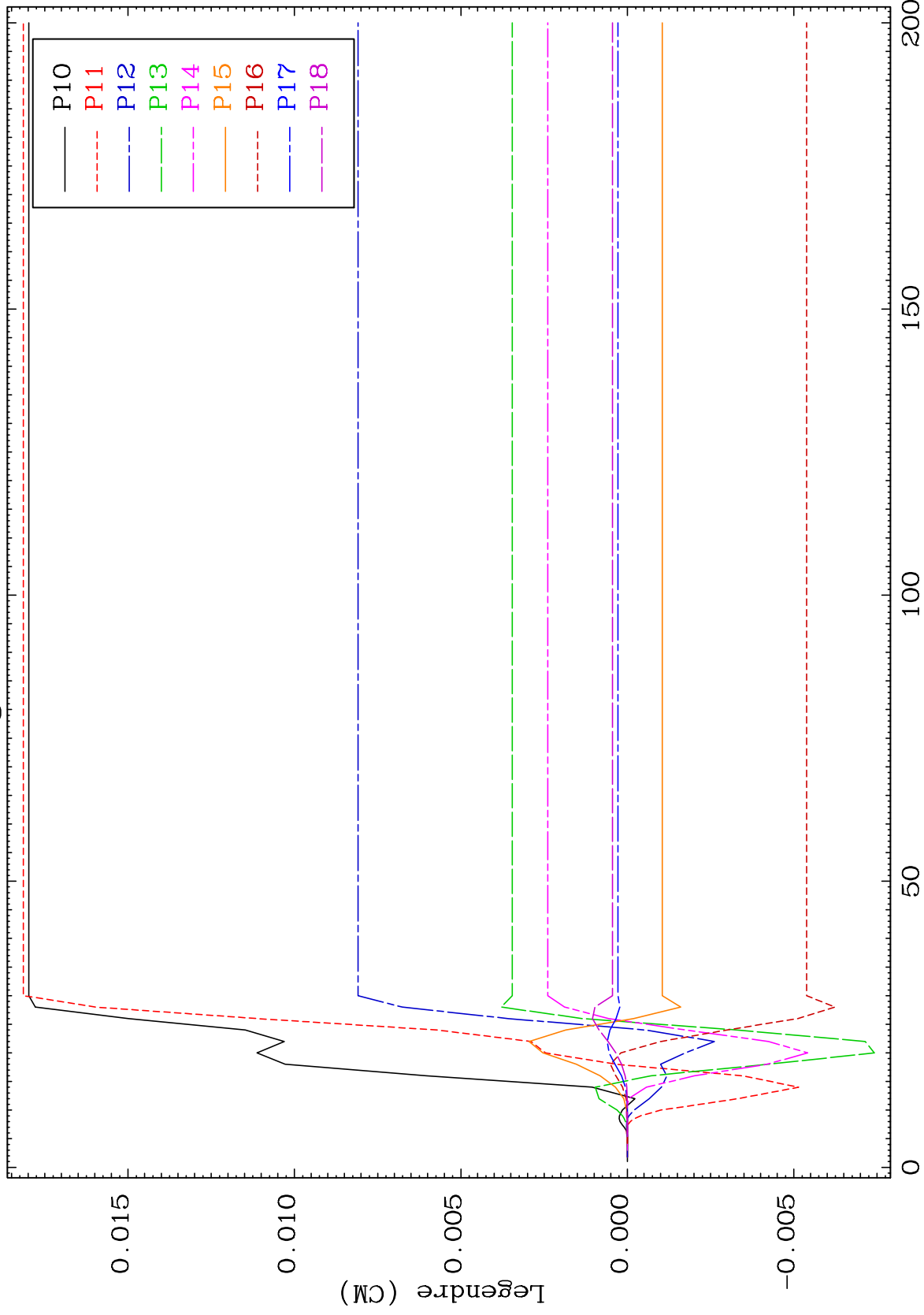
Incident Energy (MeV)

72

MAT 6089

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

61-Pm-127



73

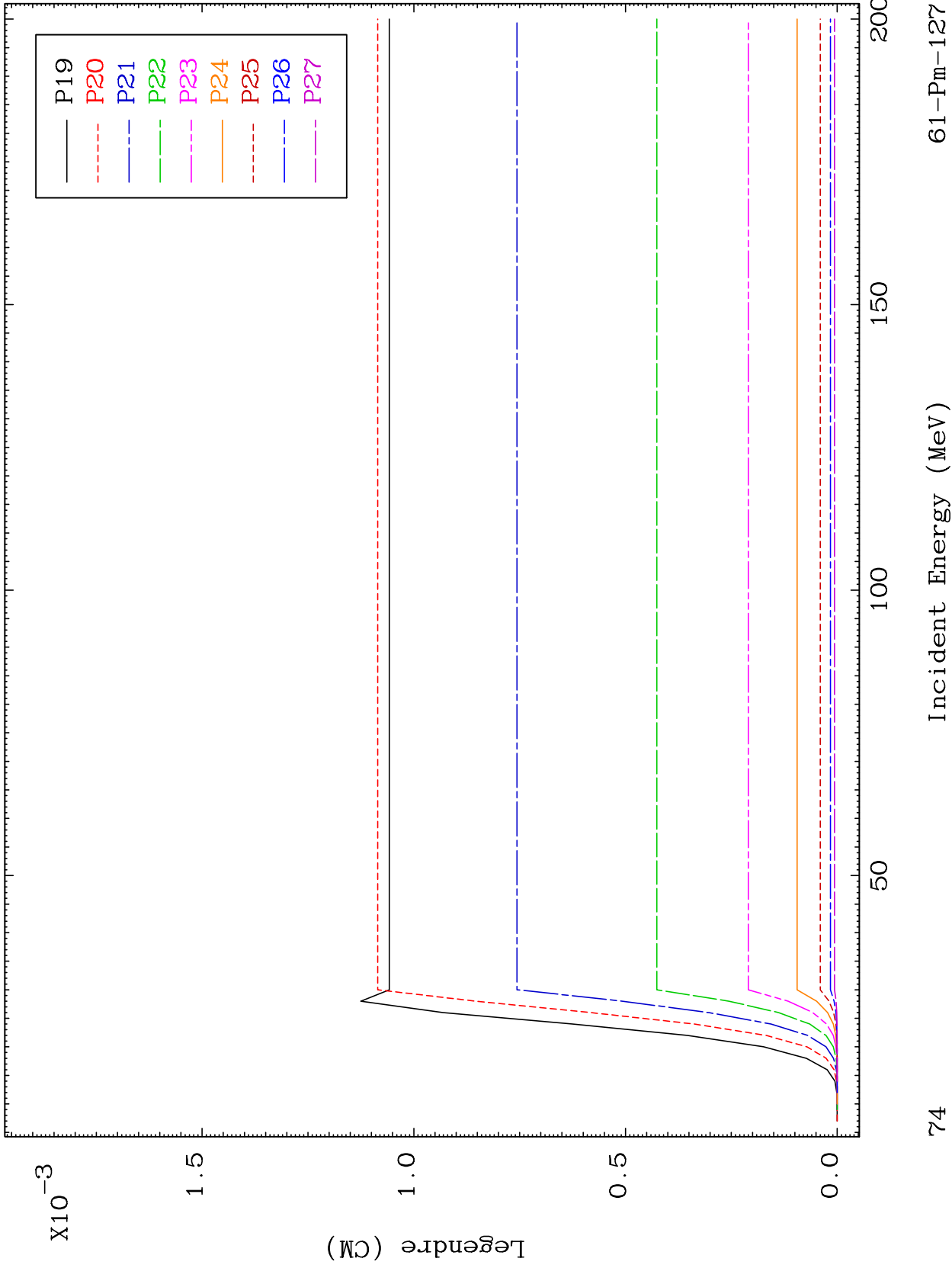
Incident Energy (MeV)

61-Pm-127

MAT 6089

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

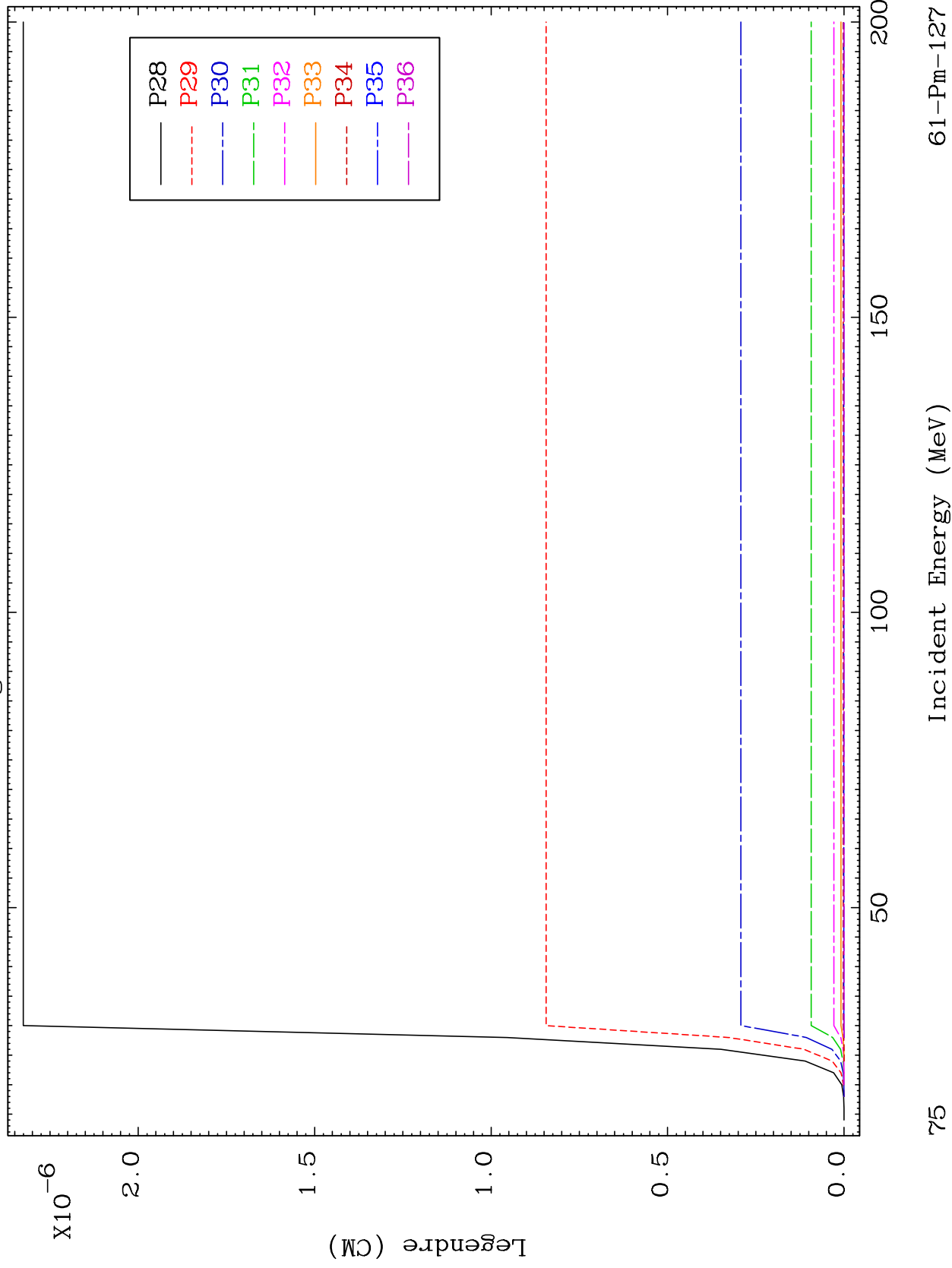
61-Pm-127



MAT 6089

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

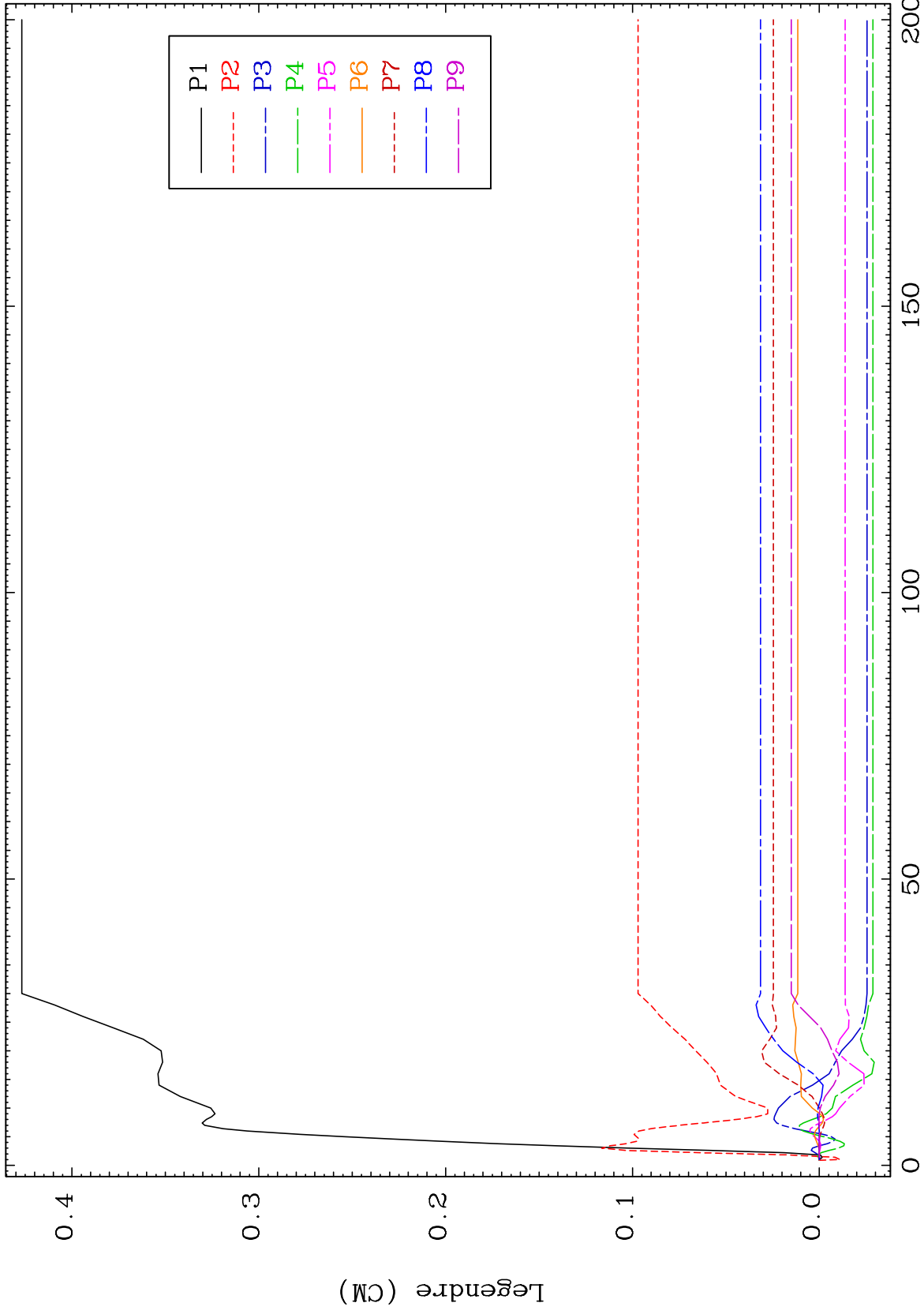
61-Pm-127



MAT 6089

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

61-Pm-127



76

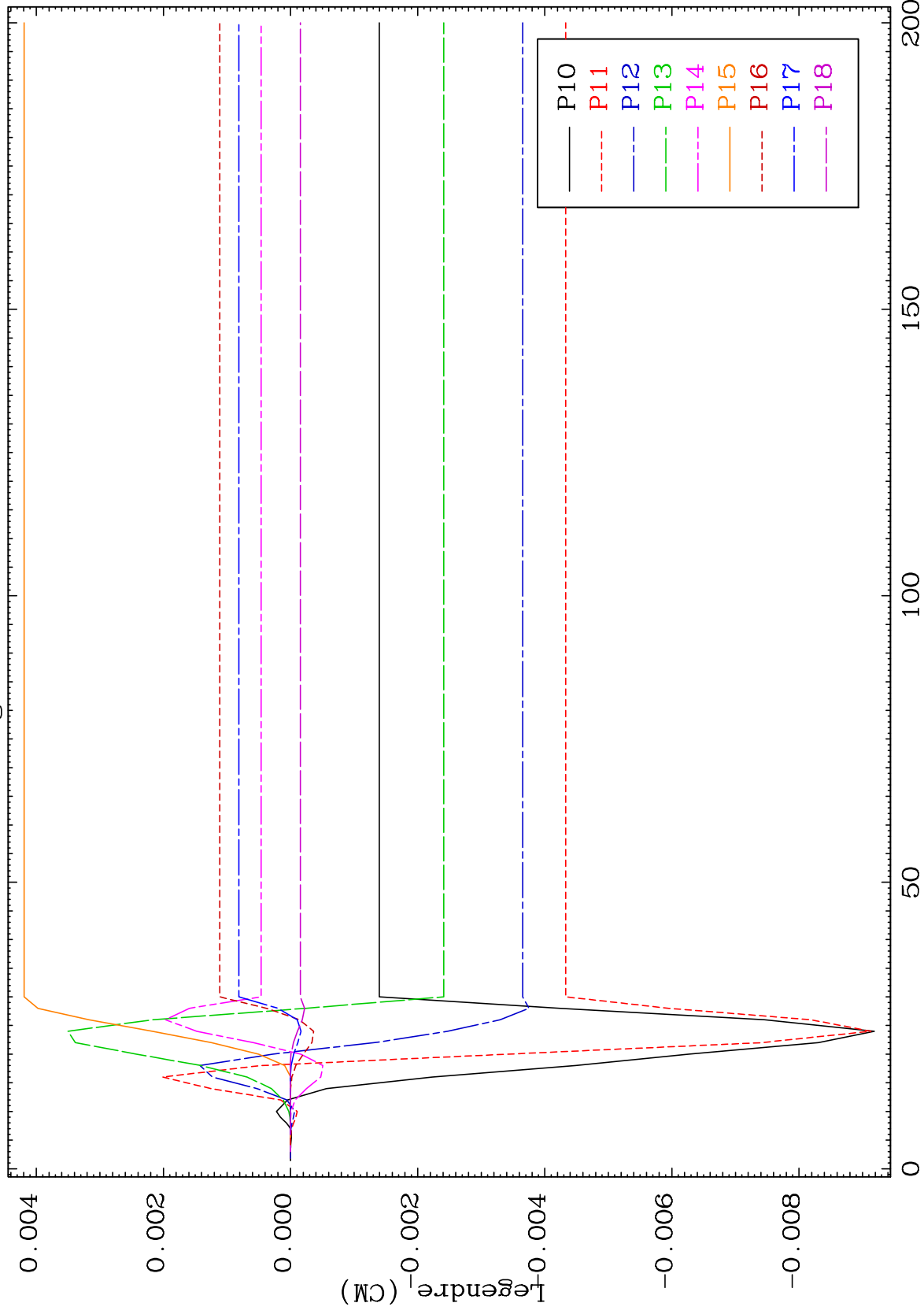
Incident Energy (MeV)

61-Pm-127

MAT 6089

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

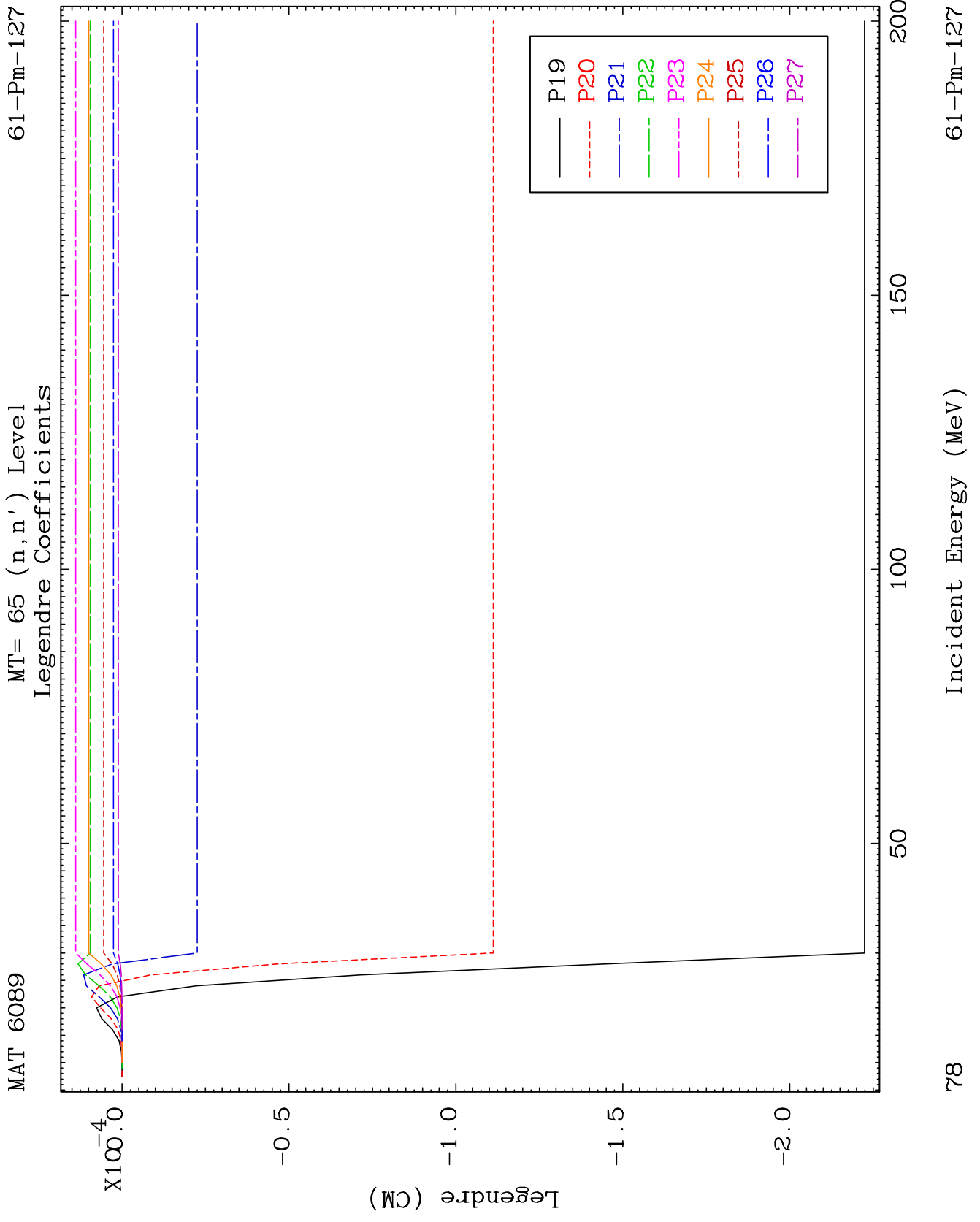
61-Pm-127



77

Incident Energy (MeV)

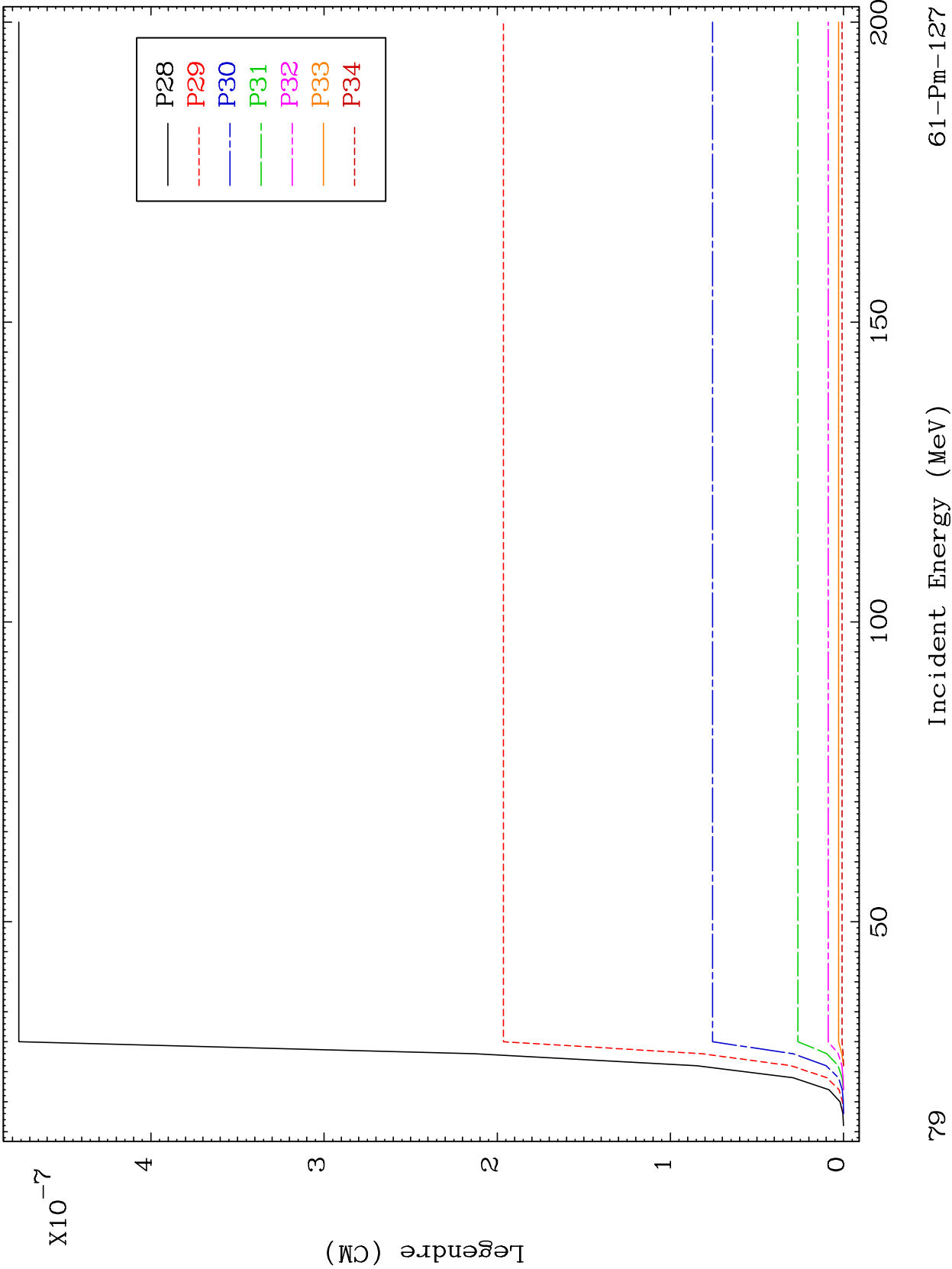
61-Pm-127



MAT 6089

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

61-Pm-127



79

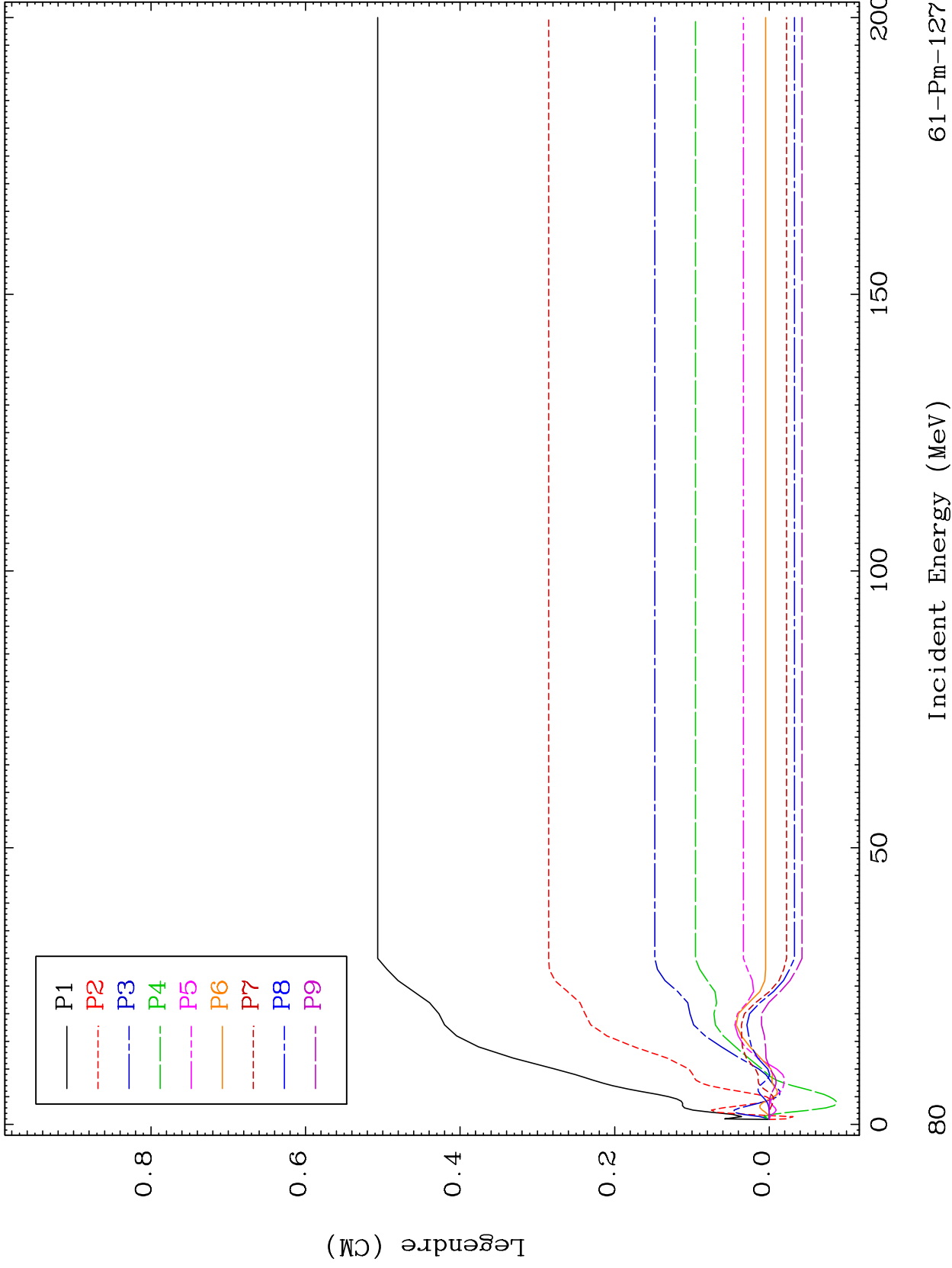
Incident Energy (MeV)

61-Pm-127

MAT 6089

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

61-Pm-127



61-Pm-127

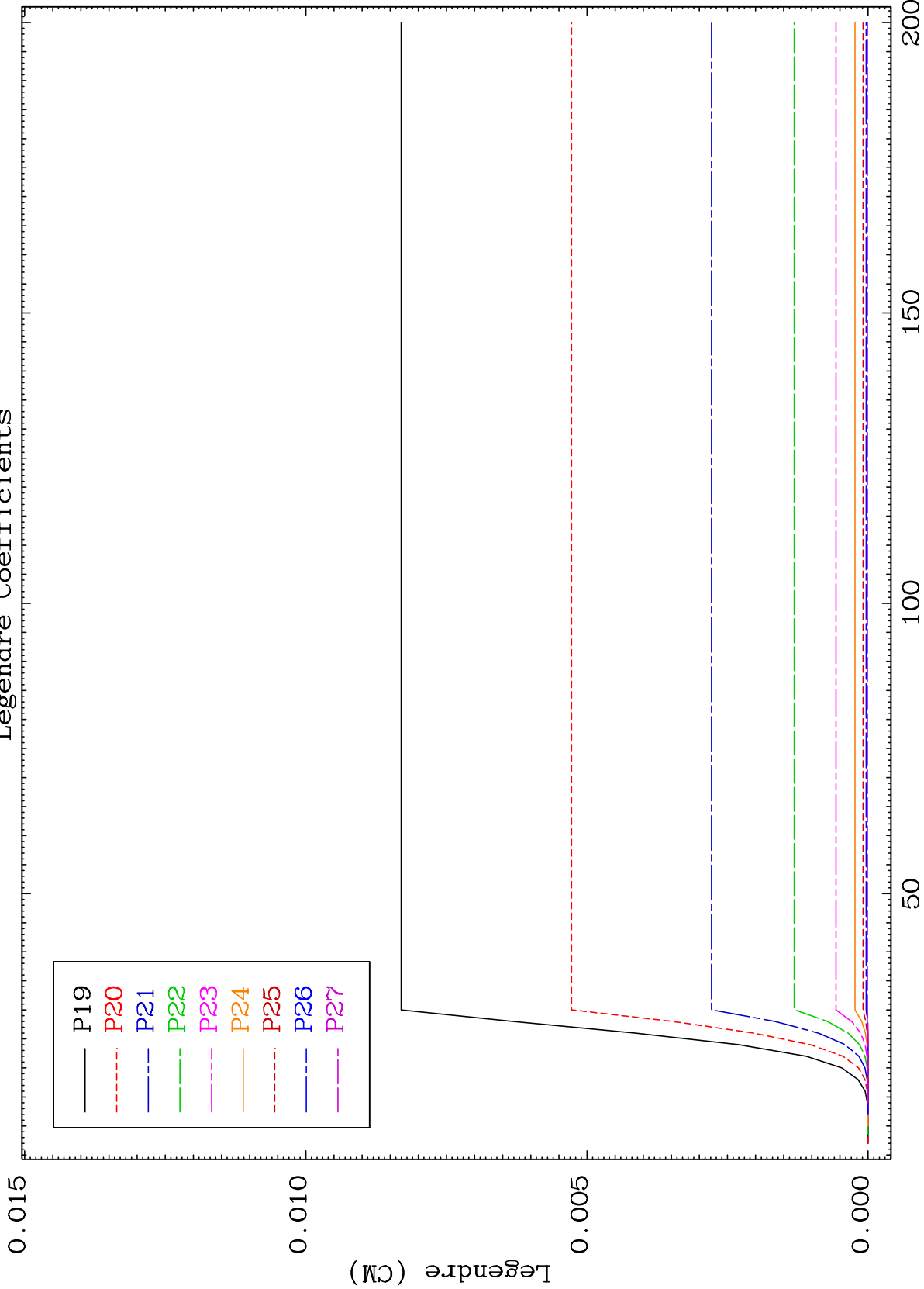
Incident Energy (MeV)

80

MAT 6089

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

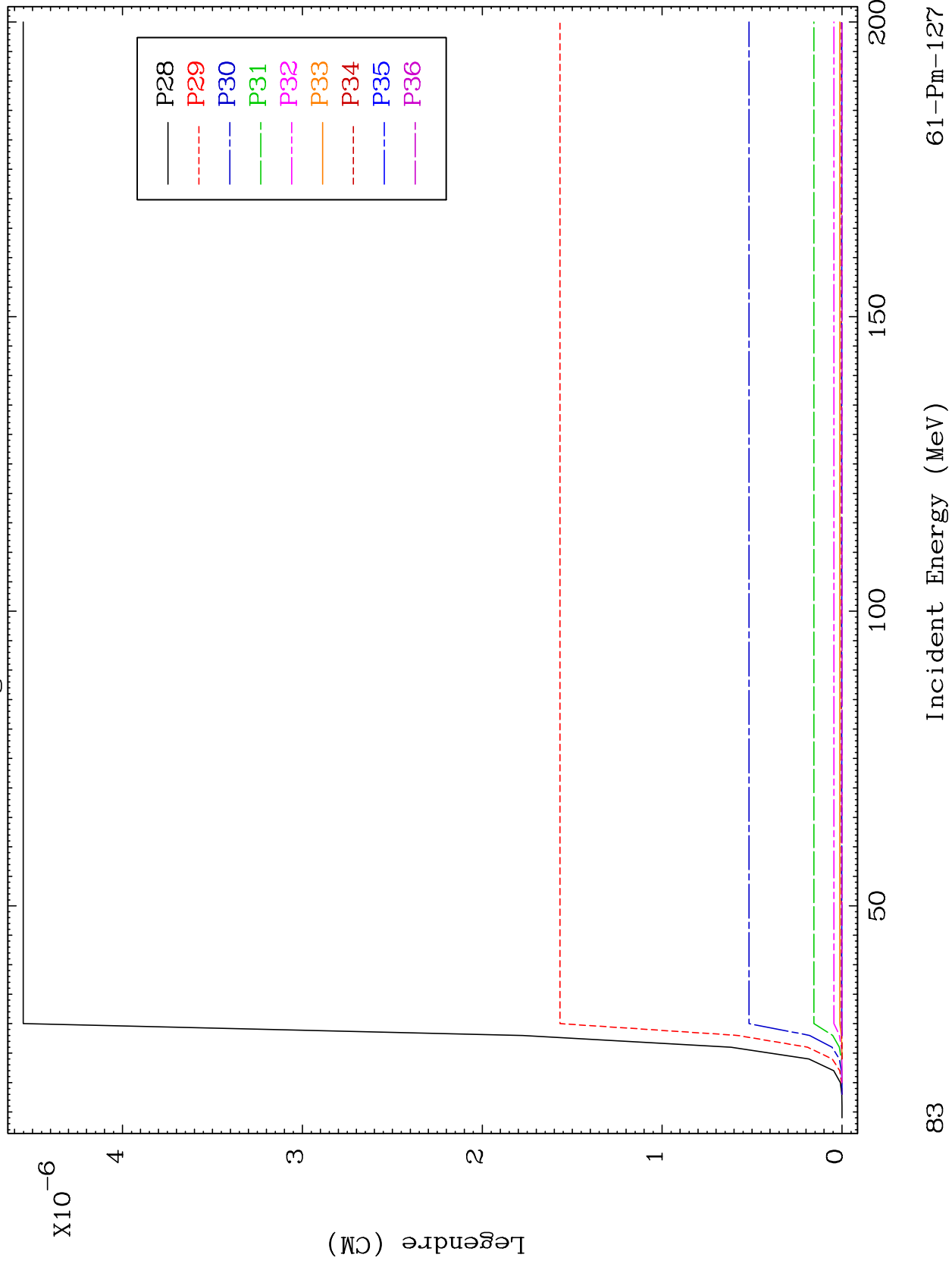
61-Pm-127



MAT 6089

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

61-Pm-127



83

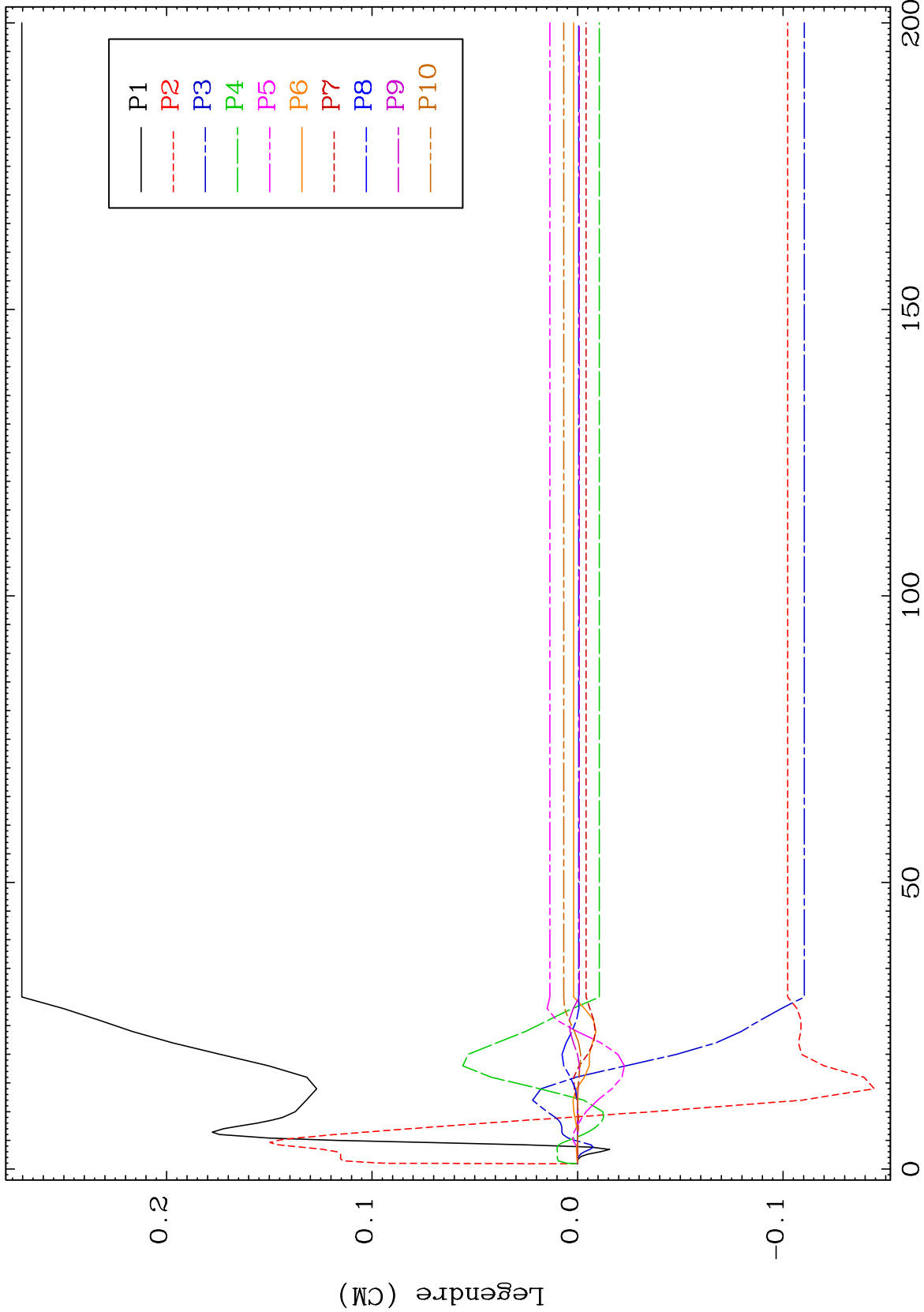
Incident Energy (MeV)

61-Pm-127

MAT 6089

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

61-Pm-127



84

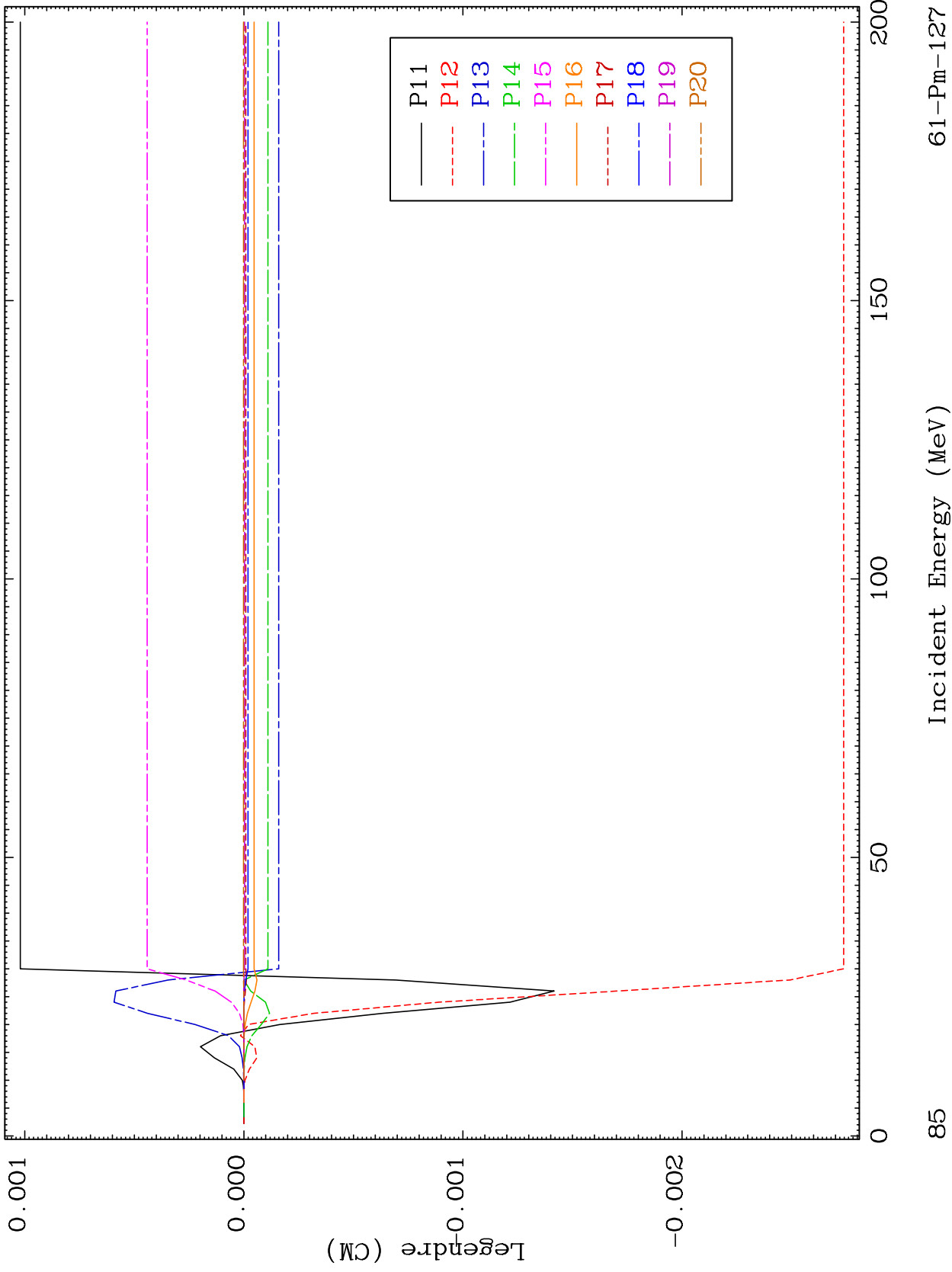
Incident Energy (MeV)

61-Pm-127

MAT 6089

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

61-Pm-127



61-Pm-127

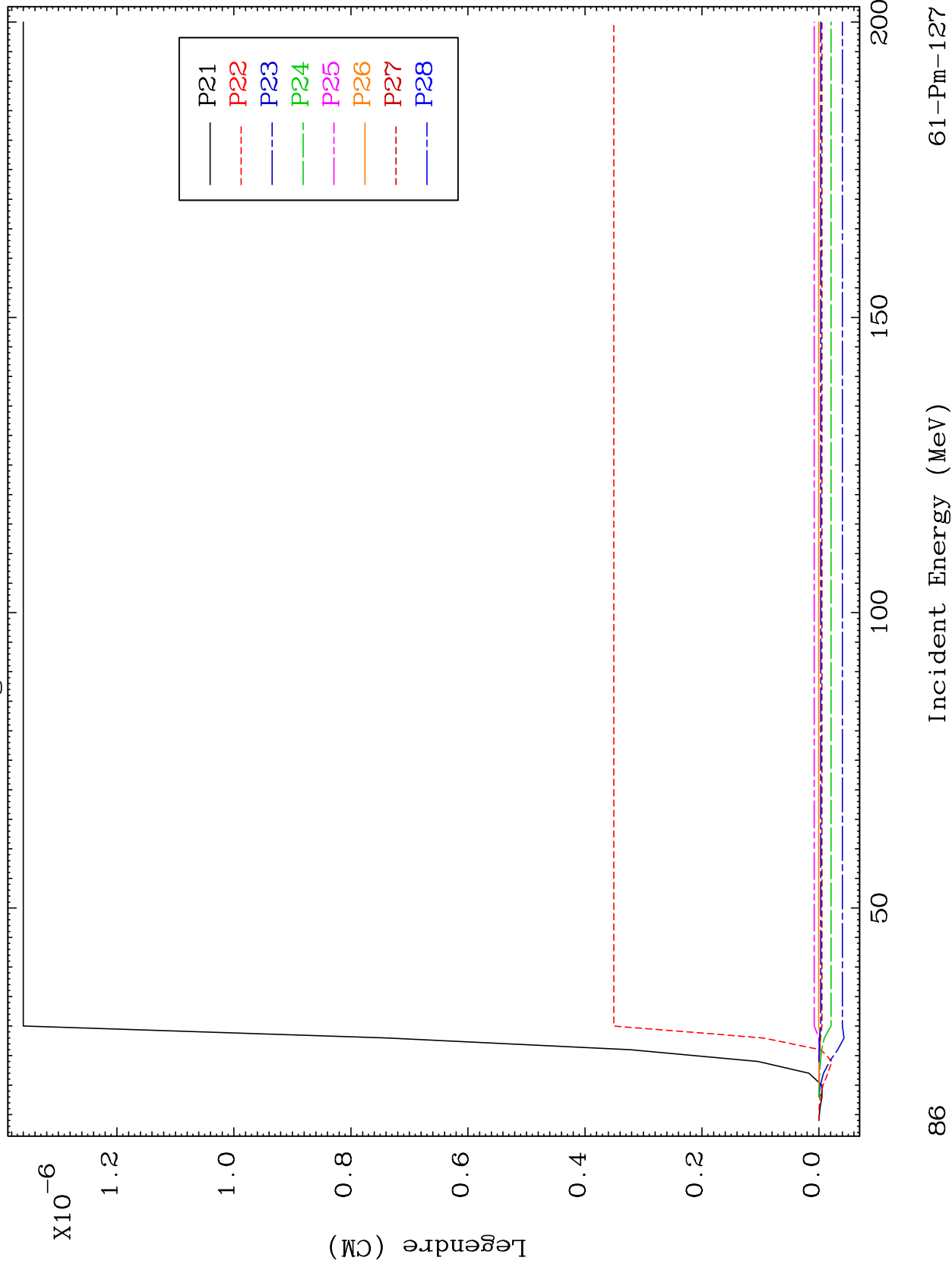
Incident Energy (MeV)

85

MAT 6089

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

61-Pm-127



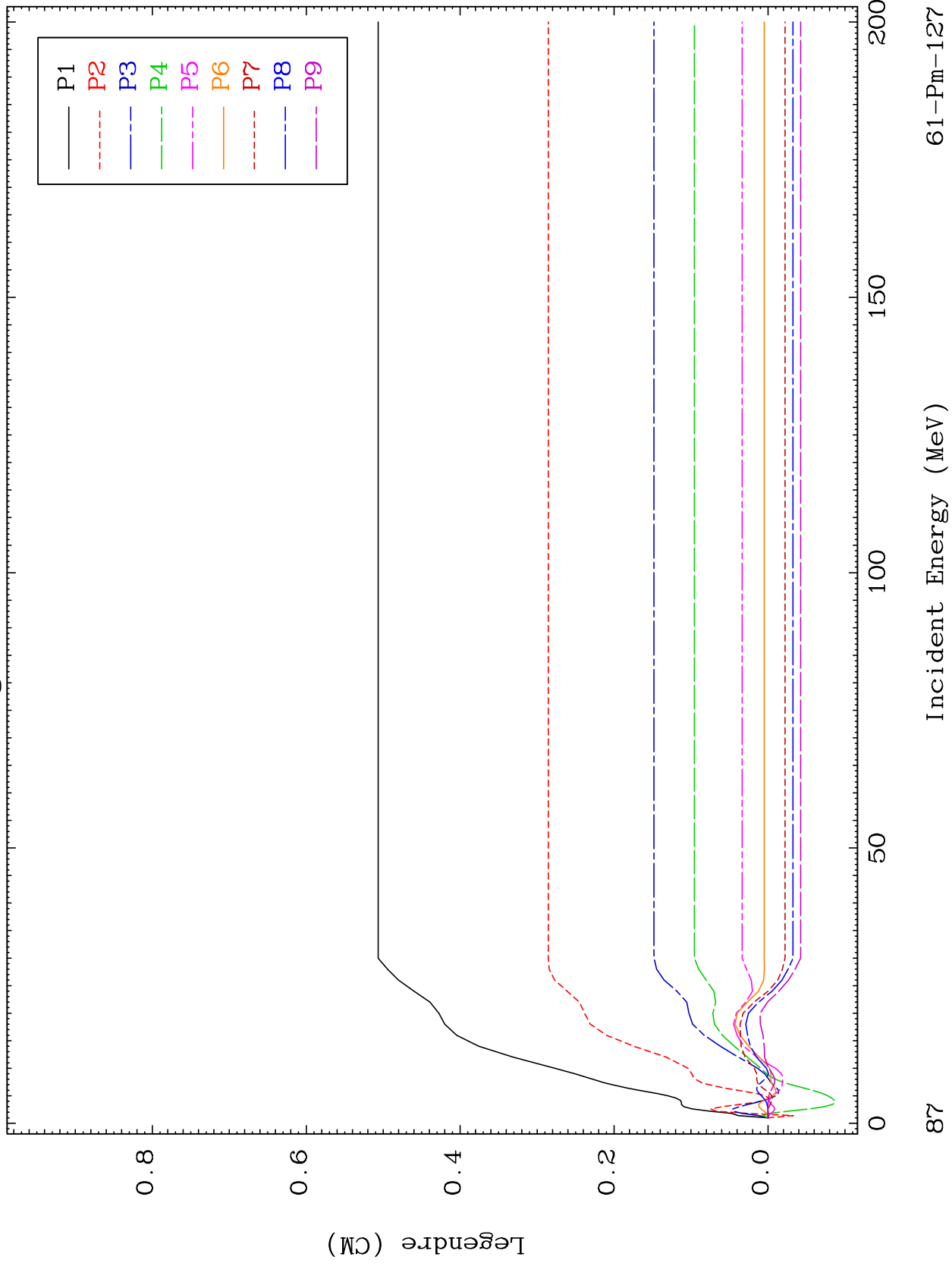
86

61-Pm-127

MAT 6089

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

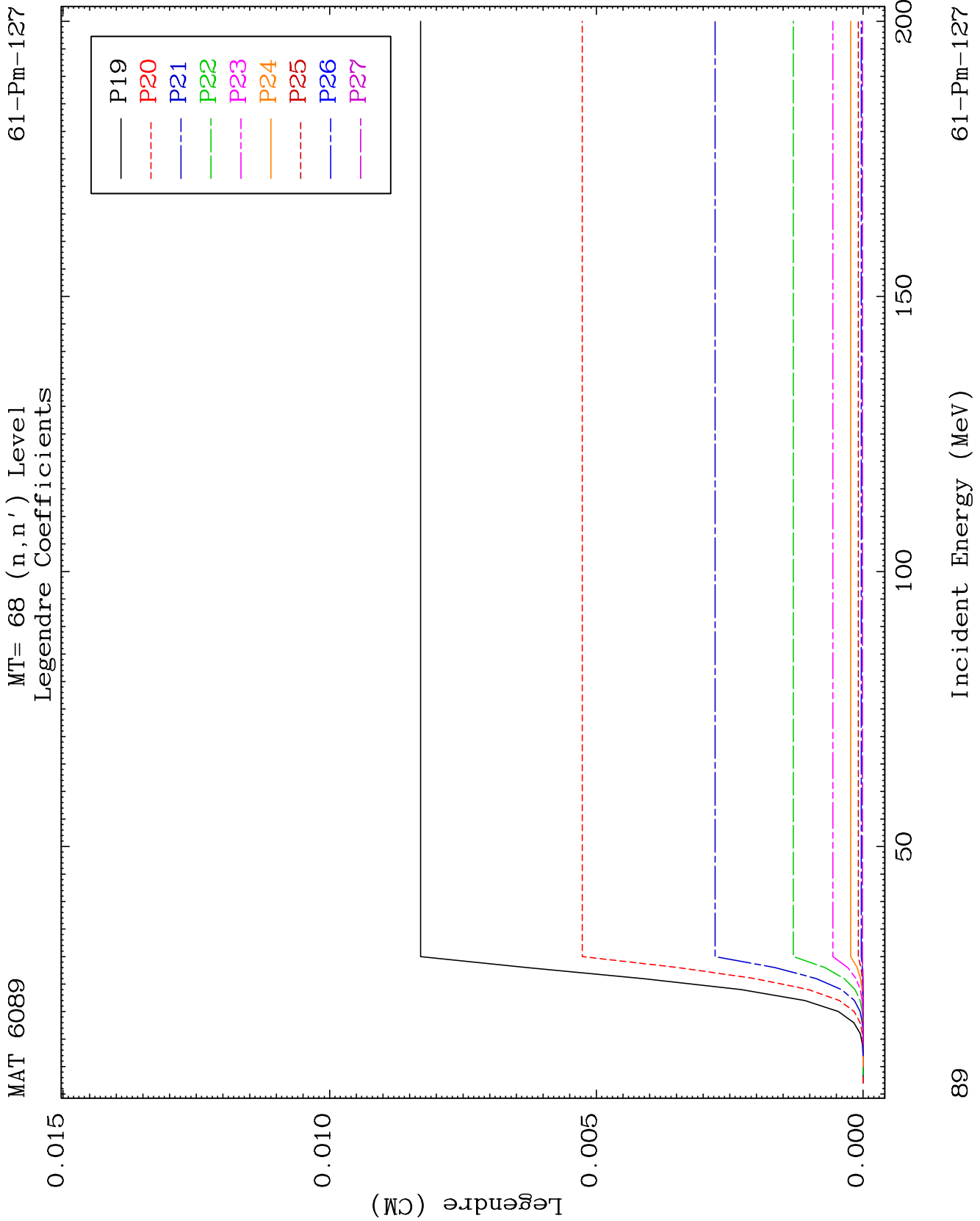
61-Pm-127



61-Pm-127

Incident Energy (MeV)

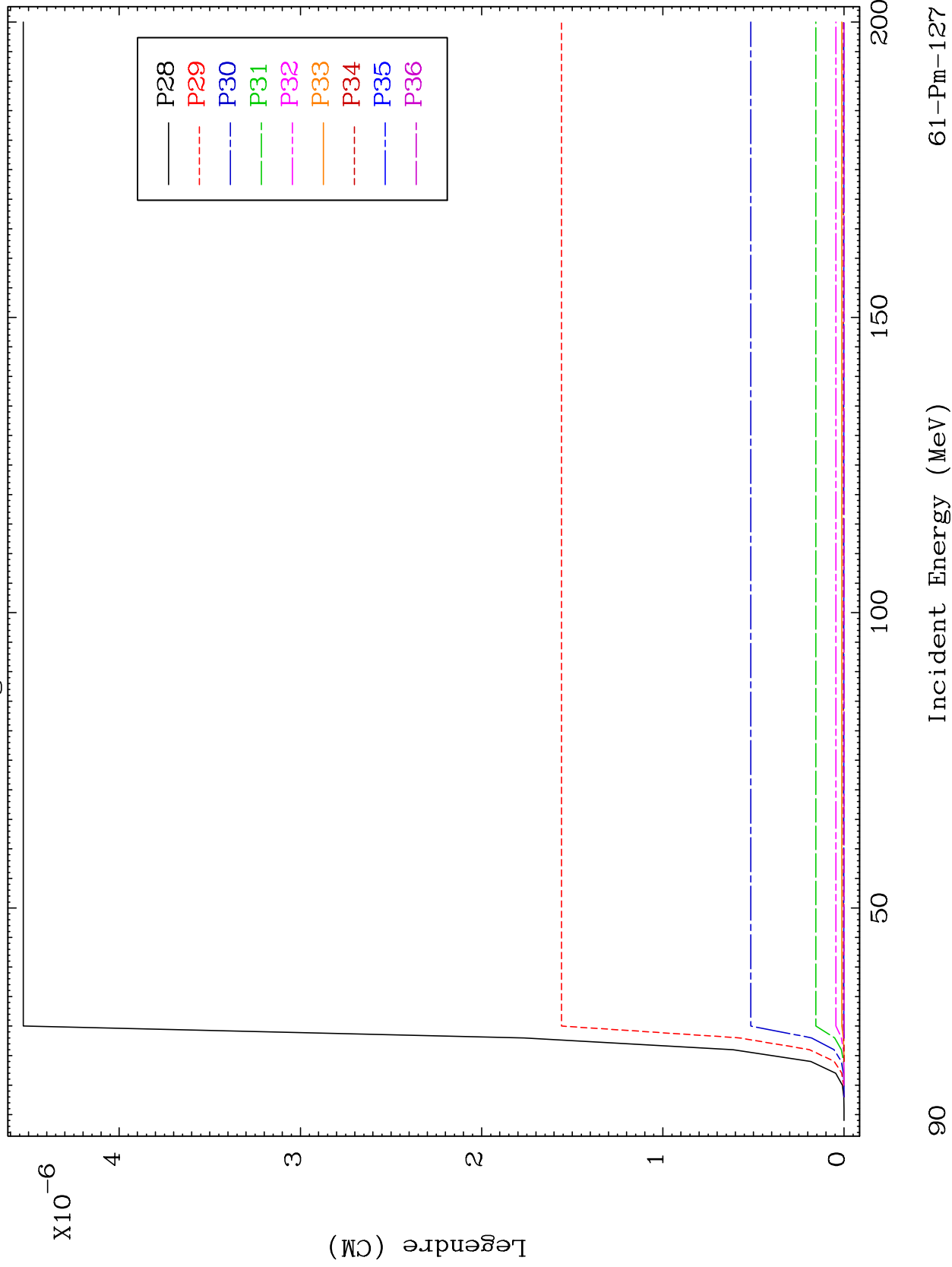
87



MAT 6089

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

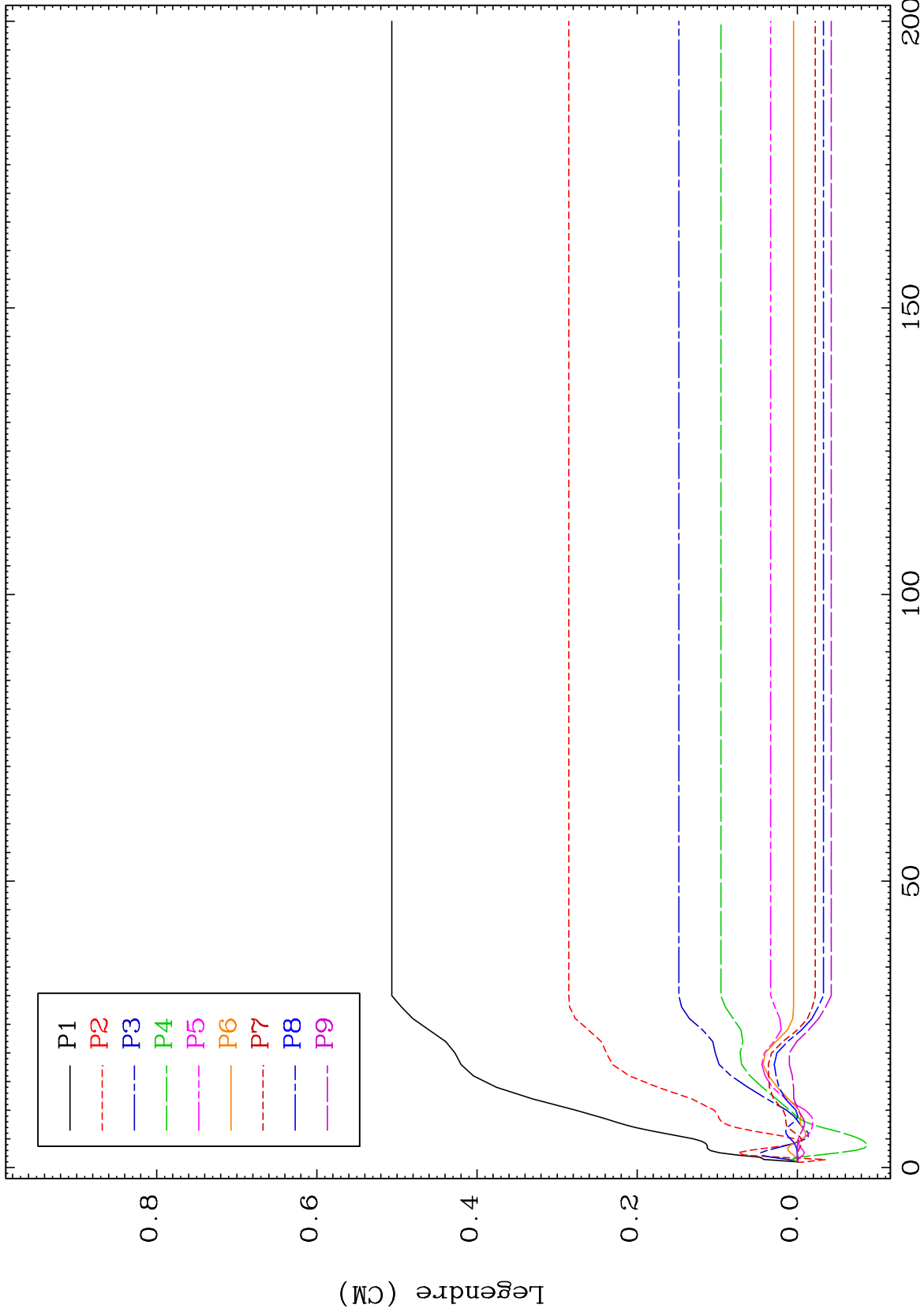
61-Pm-127



MAT 6089

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

61-Pm-127



91

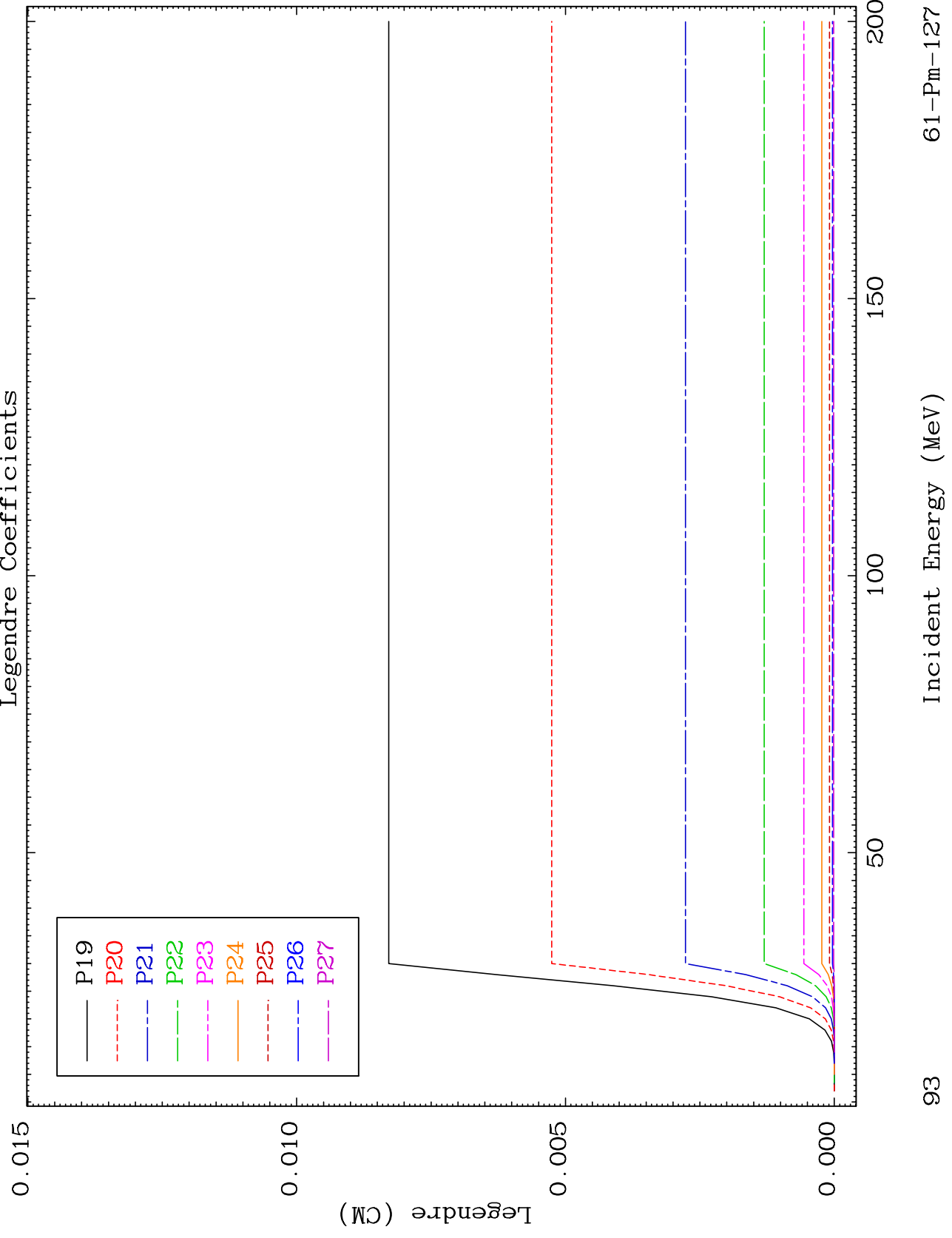
Incident Energy (MeV)

61-Pm-127

MAT 6089

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

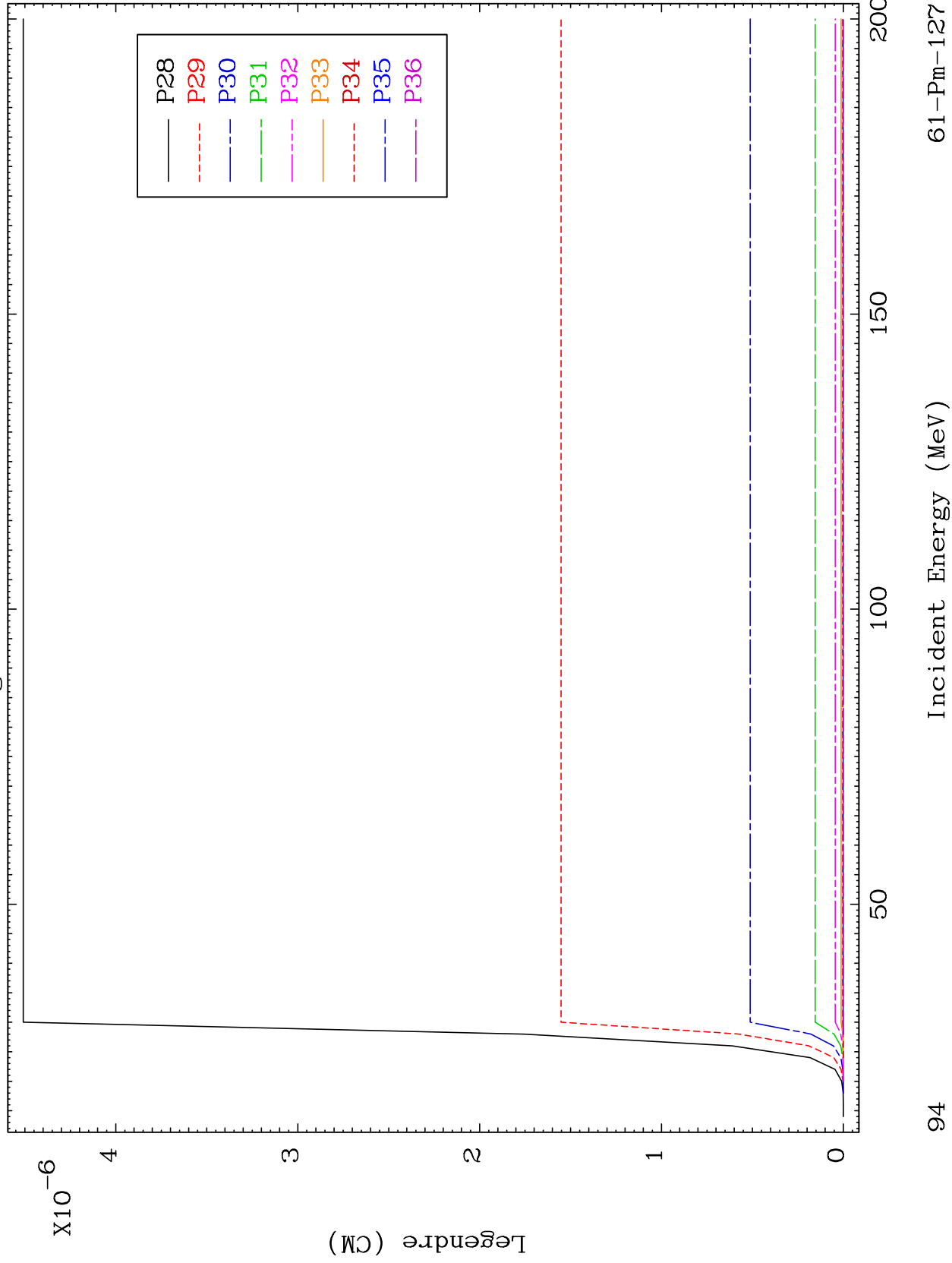
61-Pm-127



MAT 6089

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

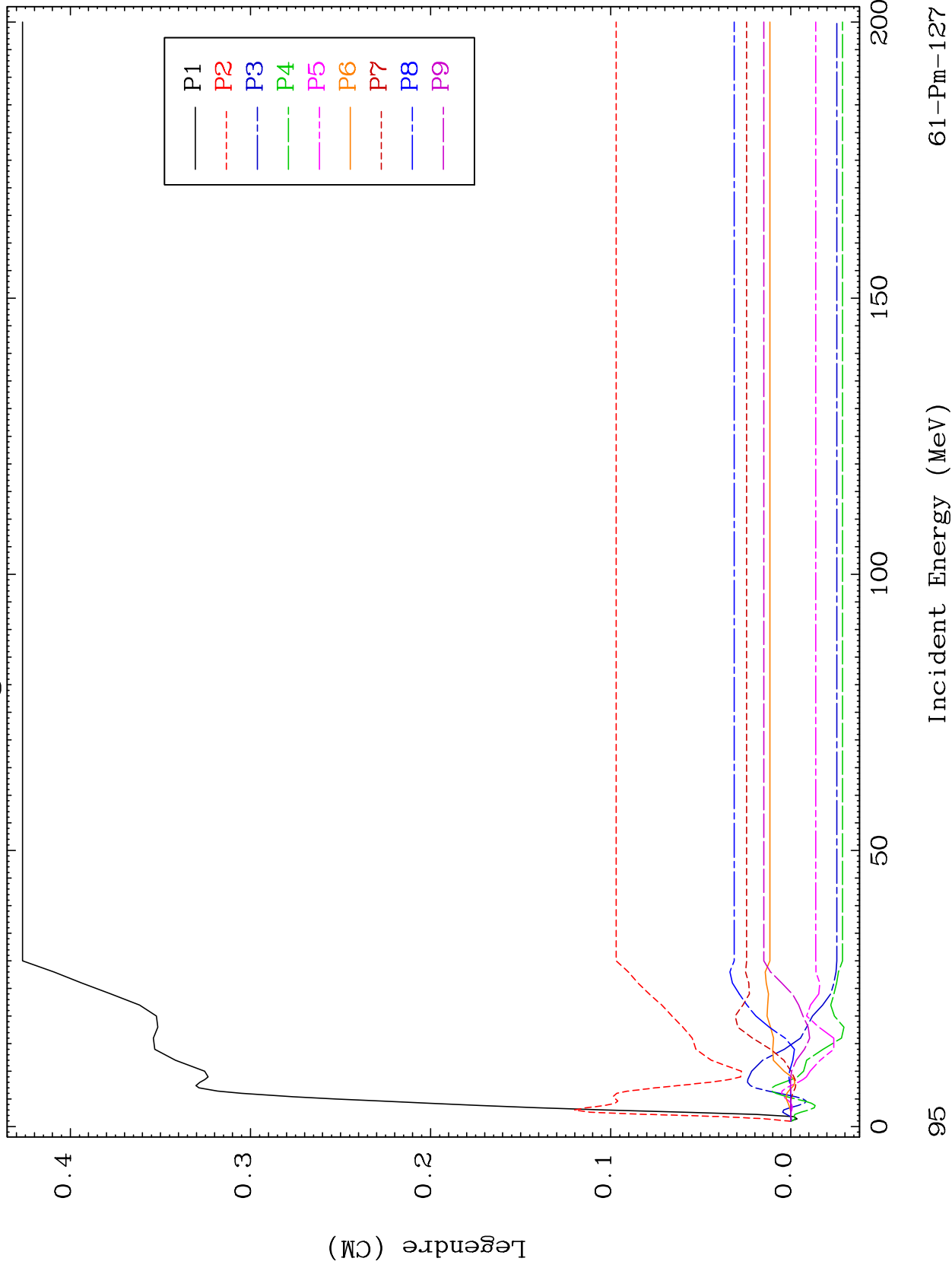
61-Pm-127



MAT 6089

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

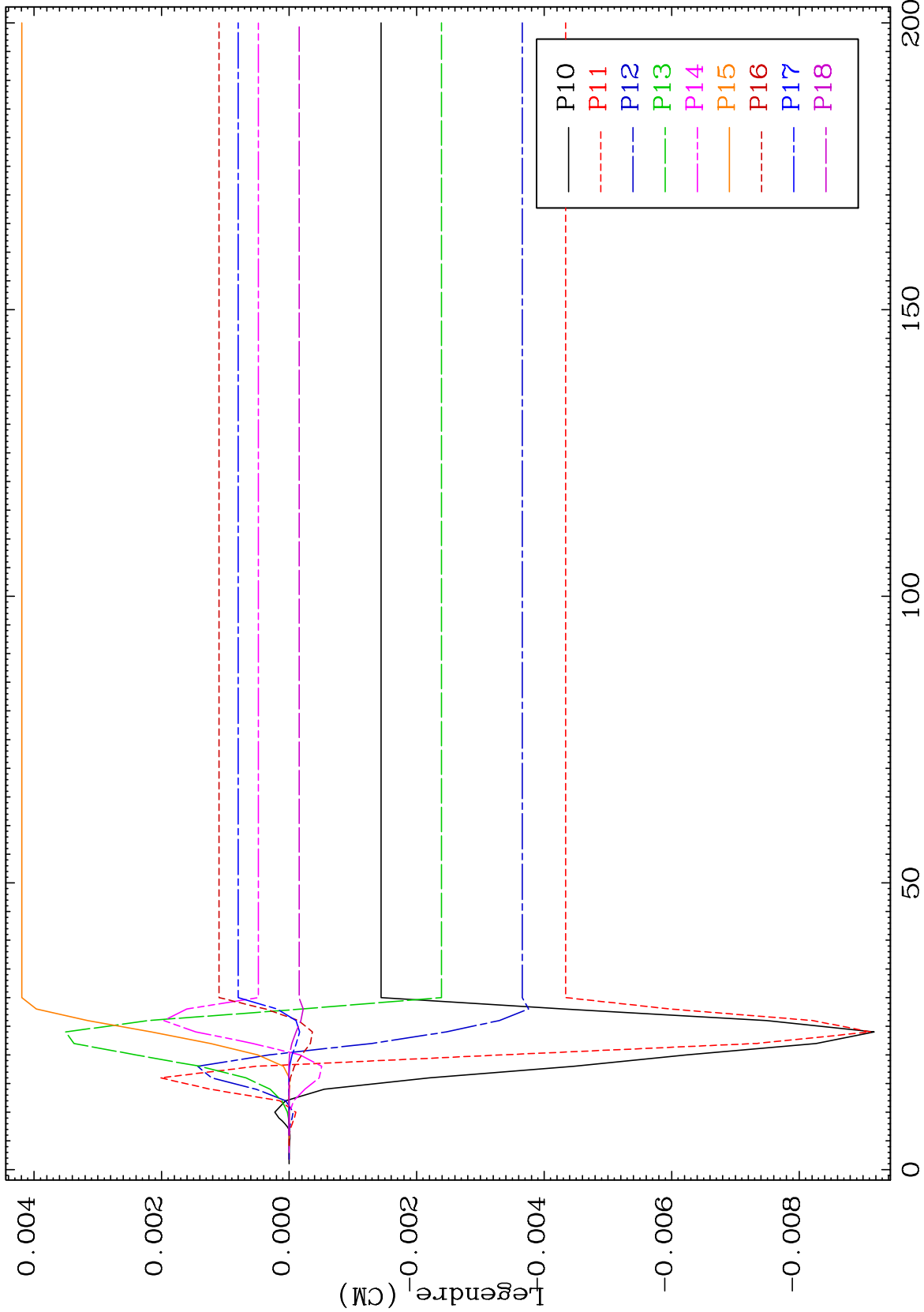
61-Pm-127



MAT 6089

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

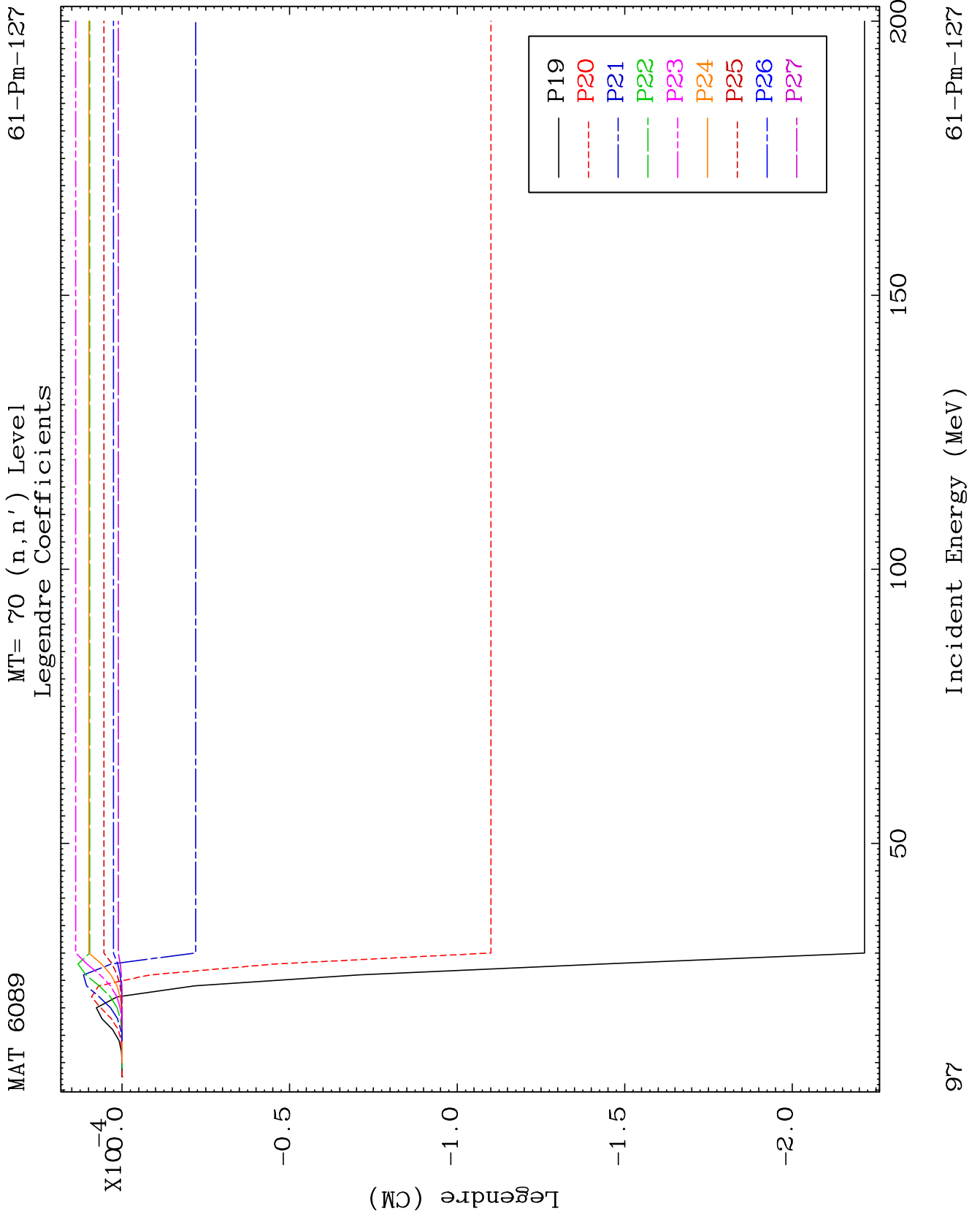
61-Pm-127



96

Incident Energy (MeV)

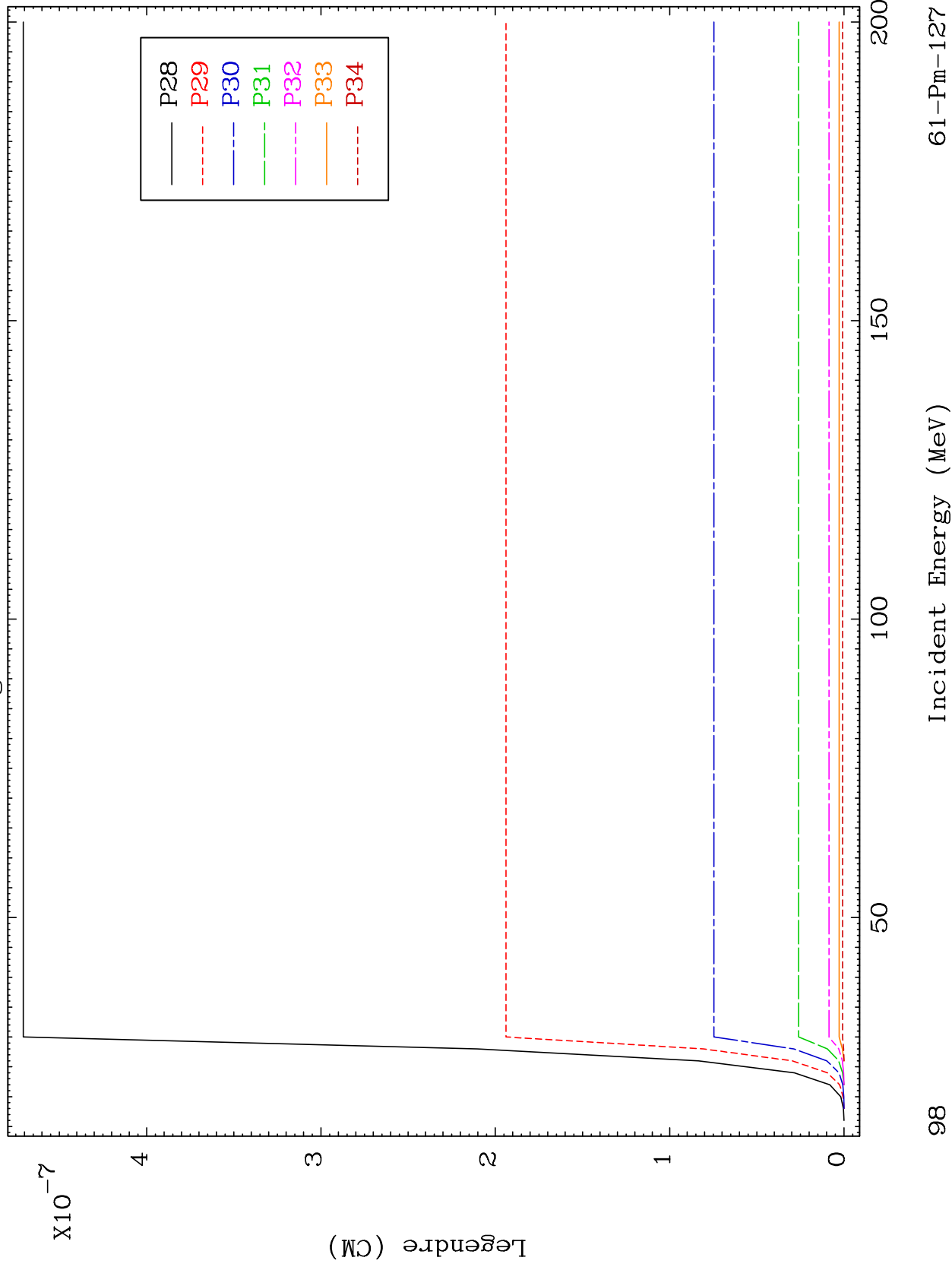
61-Pm-127



MAT 6089

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

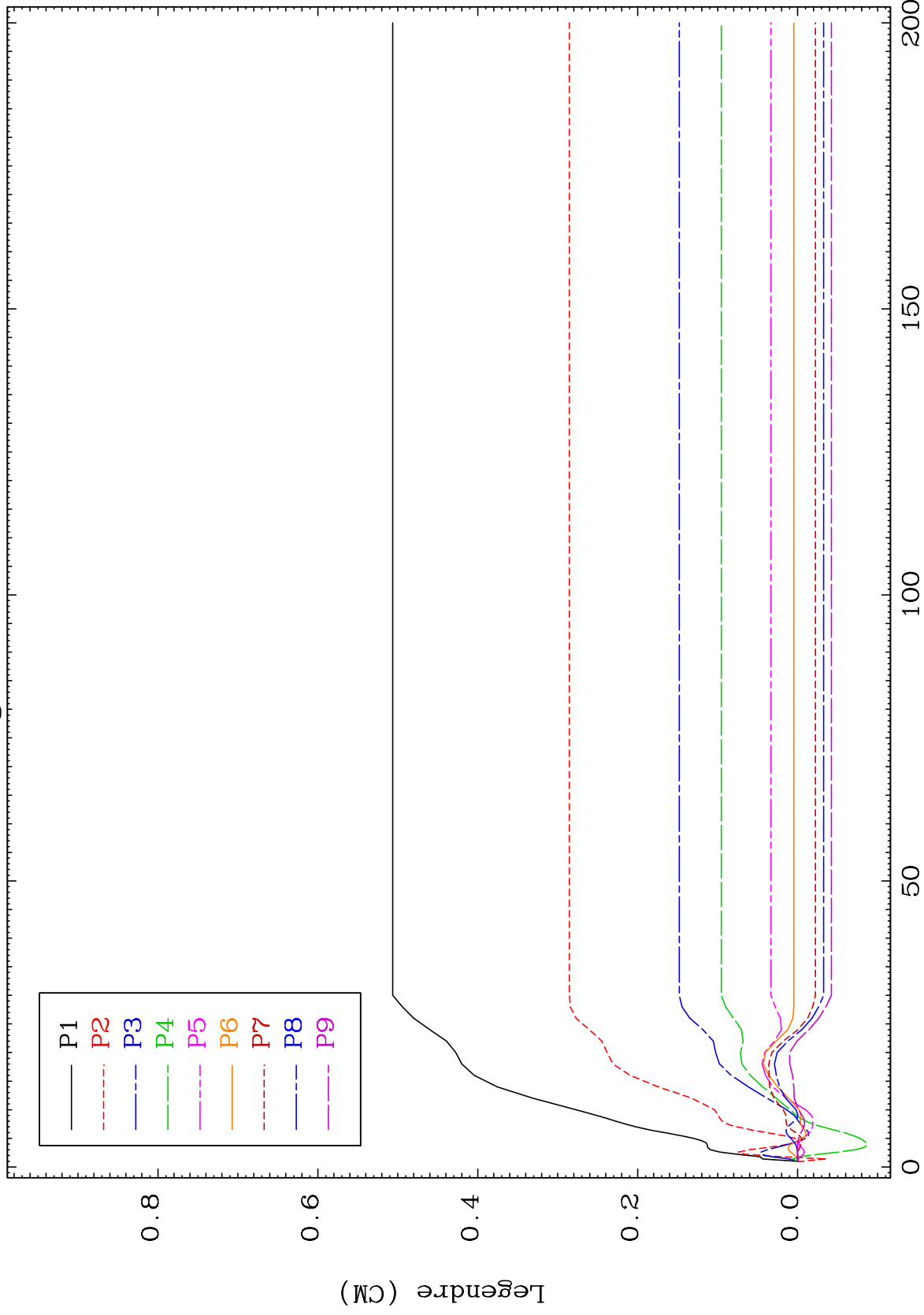
61-Pm-127



MAT 6089

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

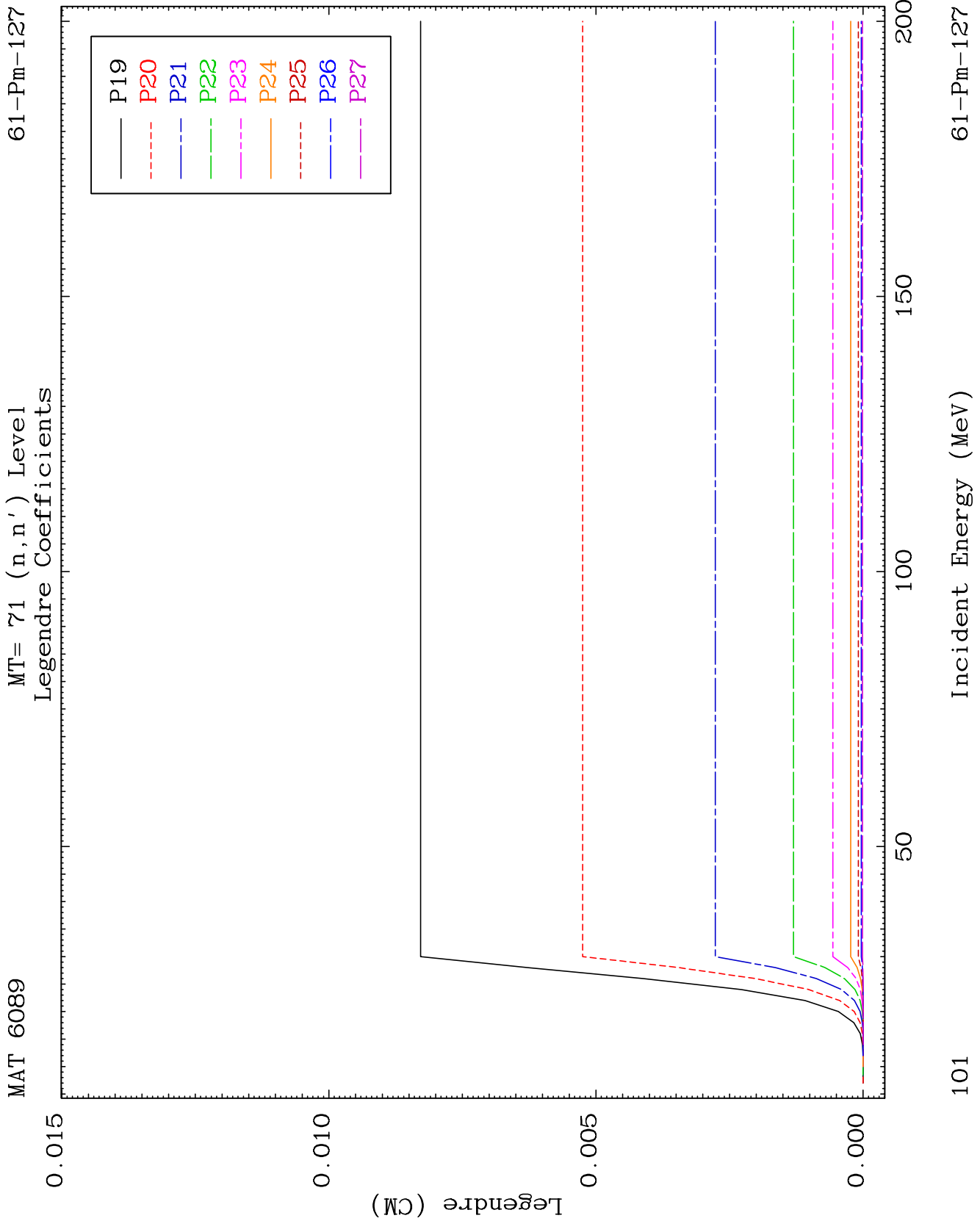
61-Pm-127



99

Incident Energy (MeV)

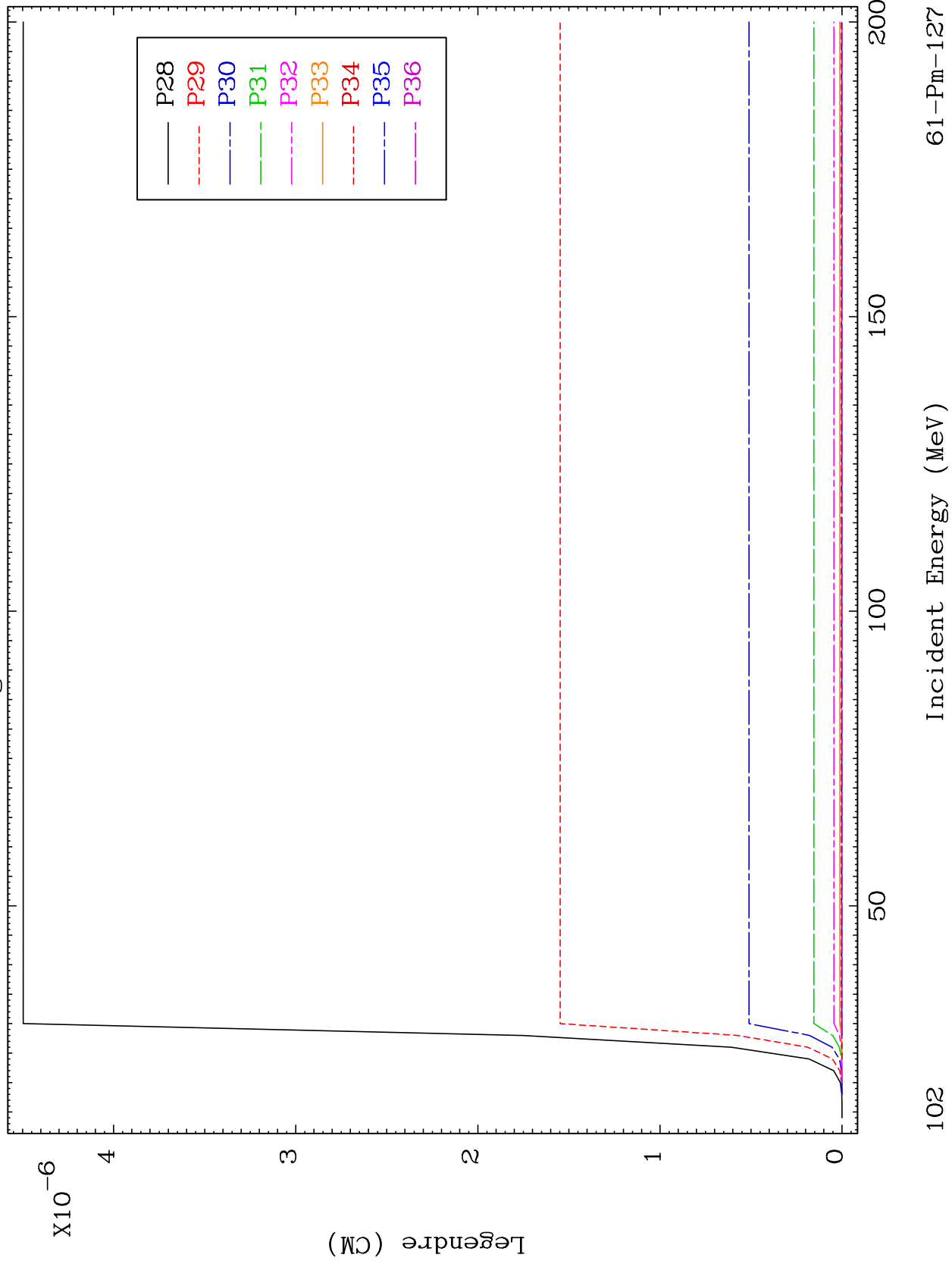
61-Pm-127



MAT 6089

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

61-Pm-127



102

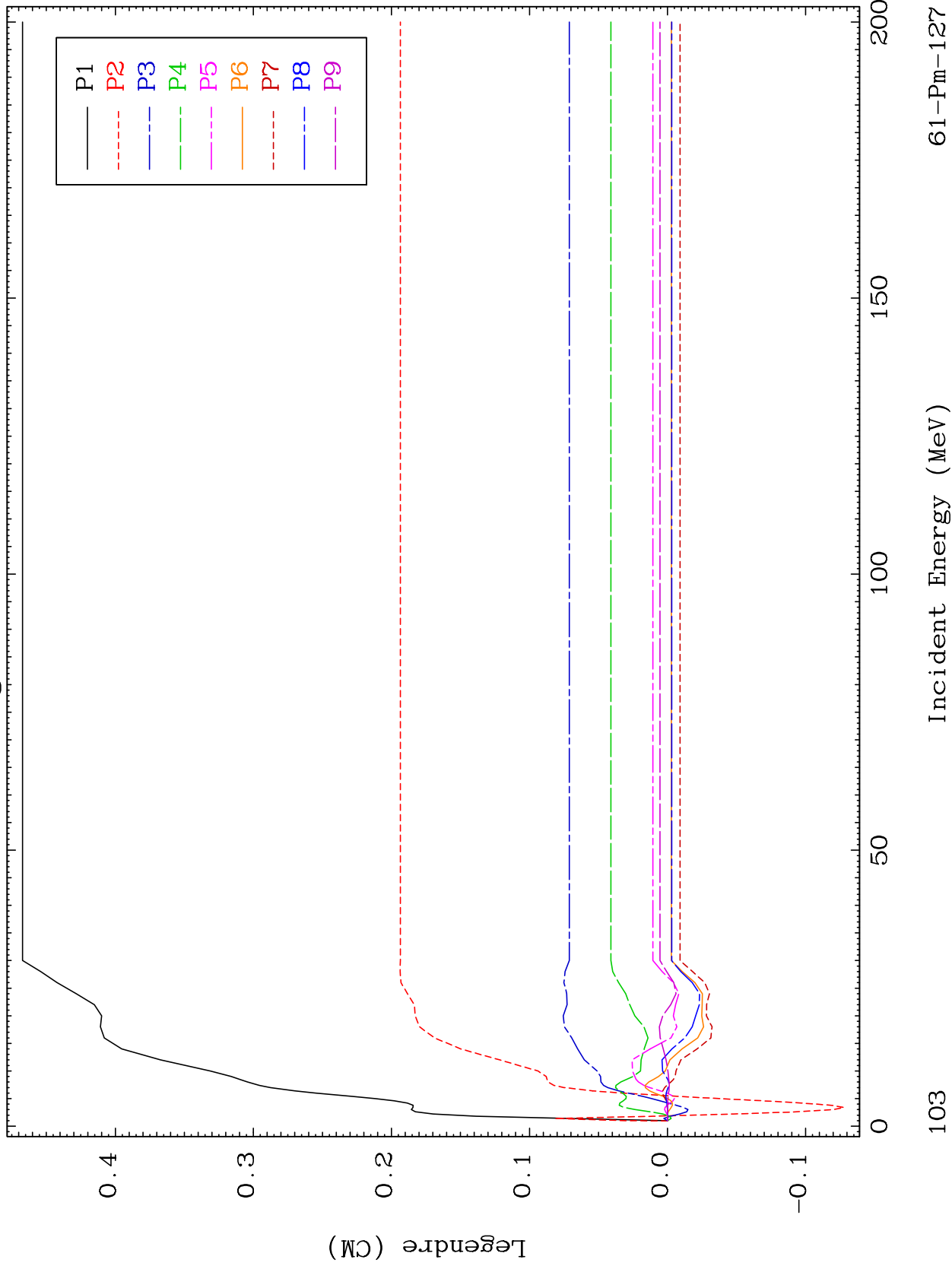
Incident Energy (MeV)

61-Pm-127

MAT 6089

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

61-Pm-127



61-Pm-127

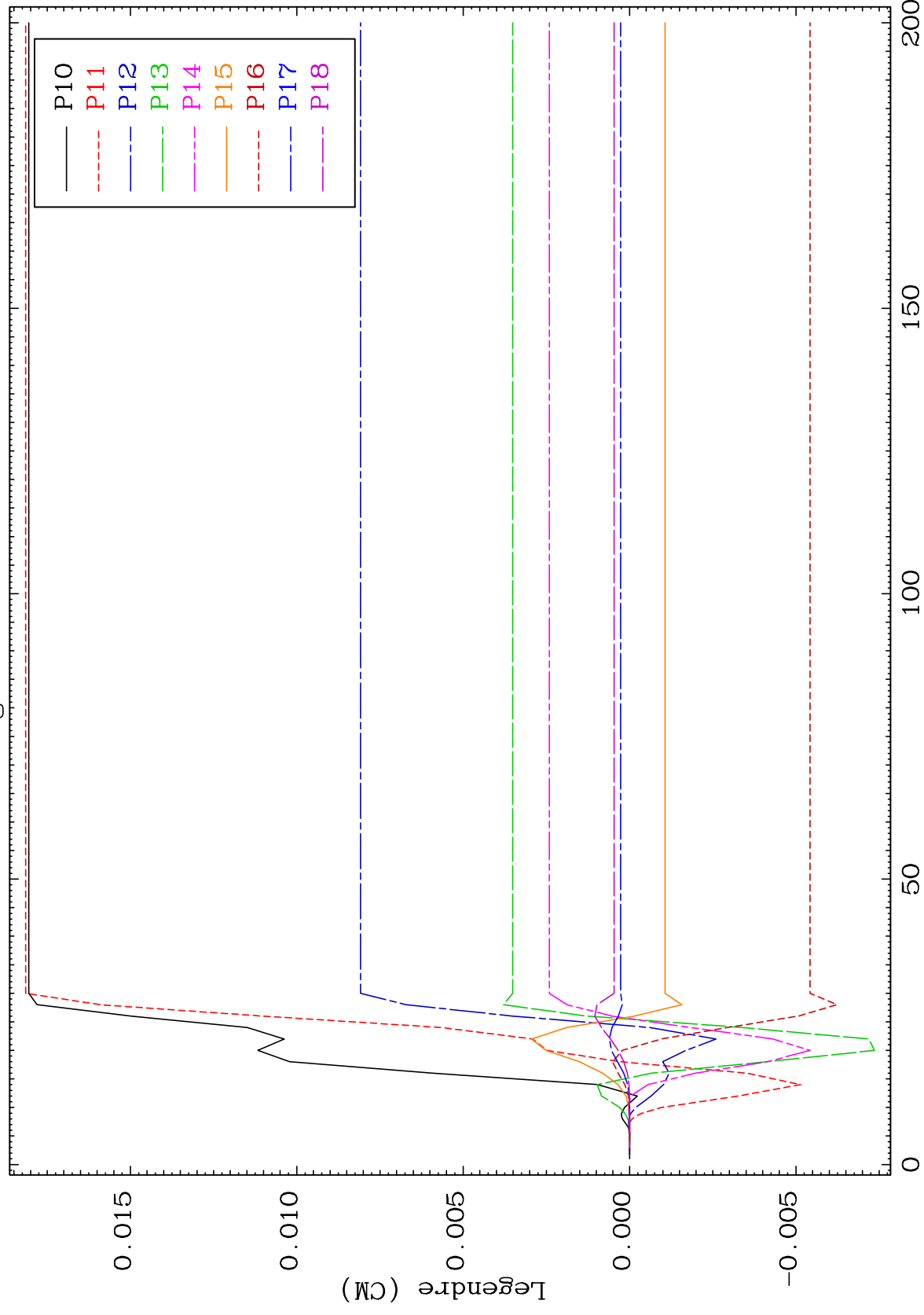
Incident Energy (MeV)

103

MAT 6089

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

61-Pm-127



104

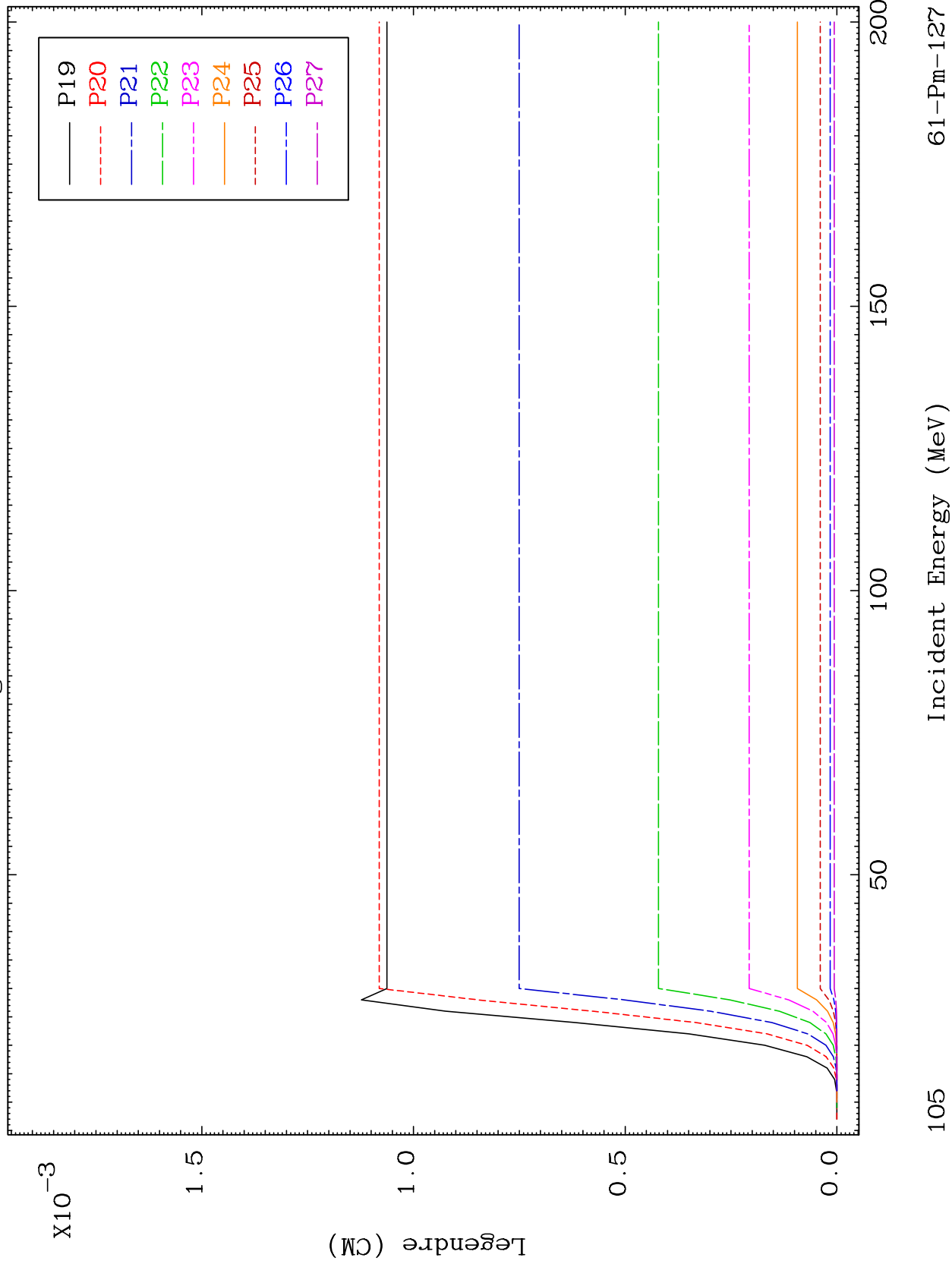
Incident Energy (MeV)

61-Pm-127

MAT 6089

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

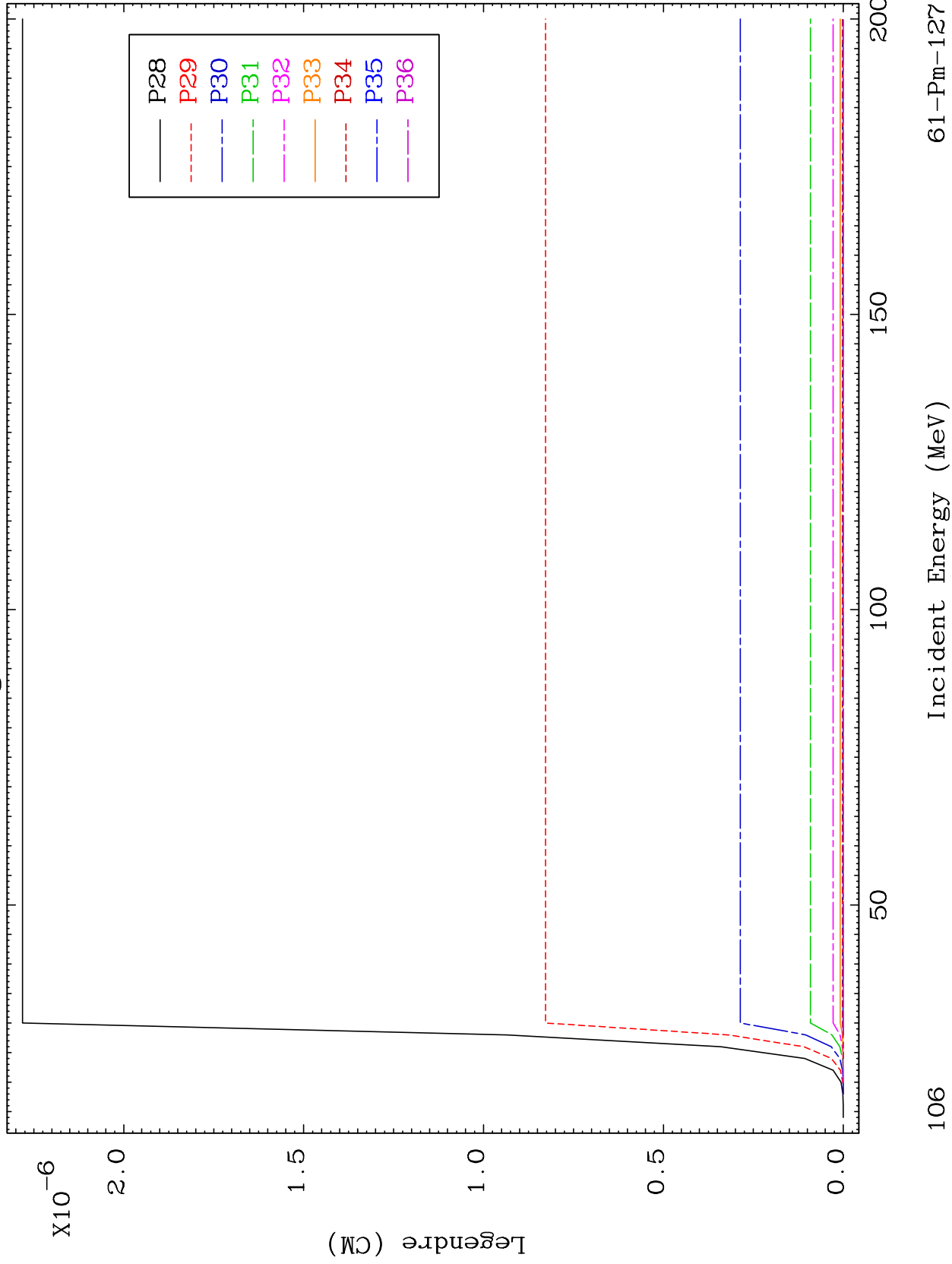
61-Pm-127



MAT 6089

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

61-Pm-127

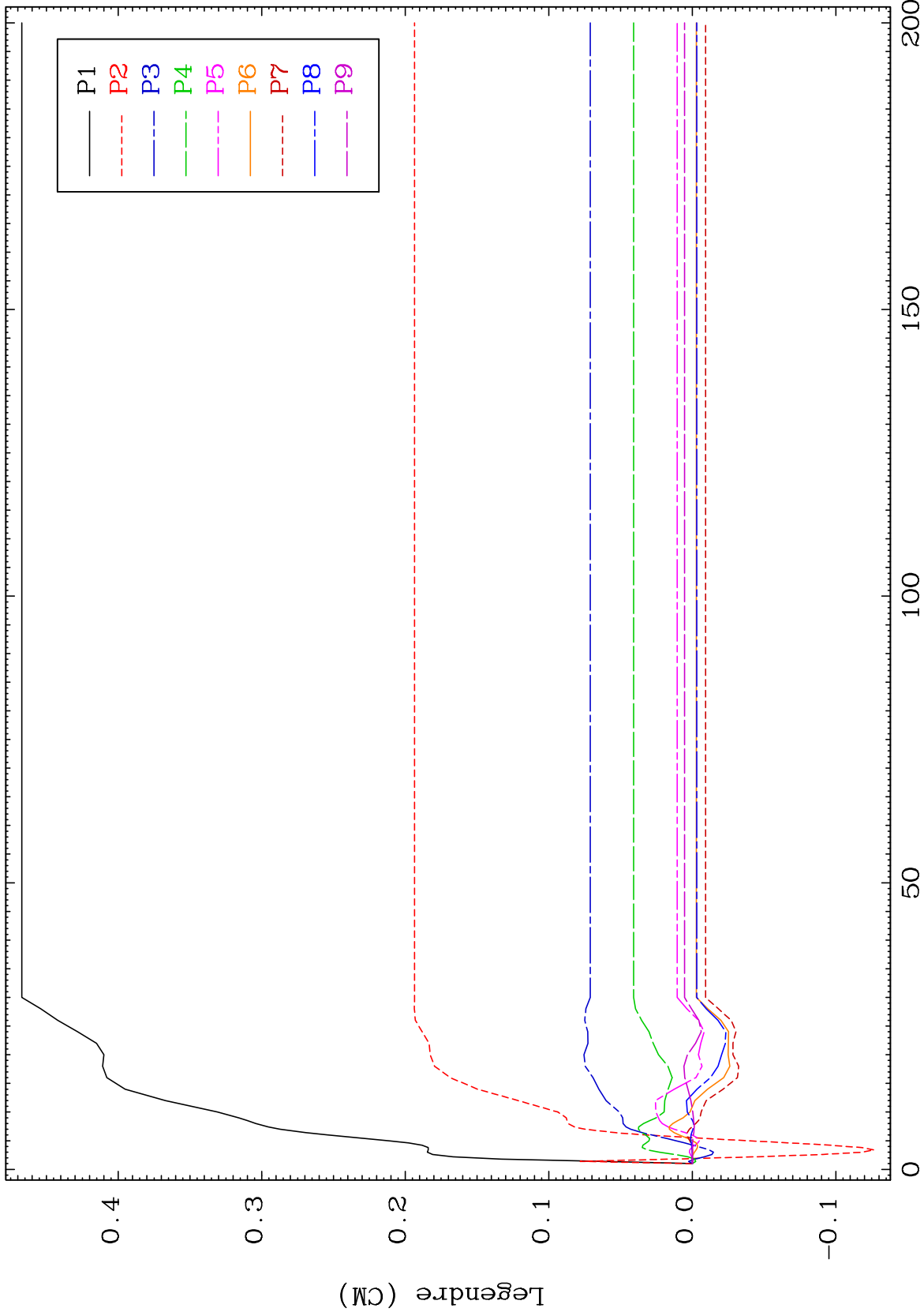


106

MAT 6089

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

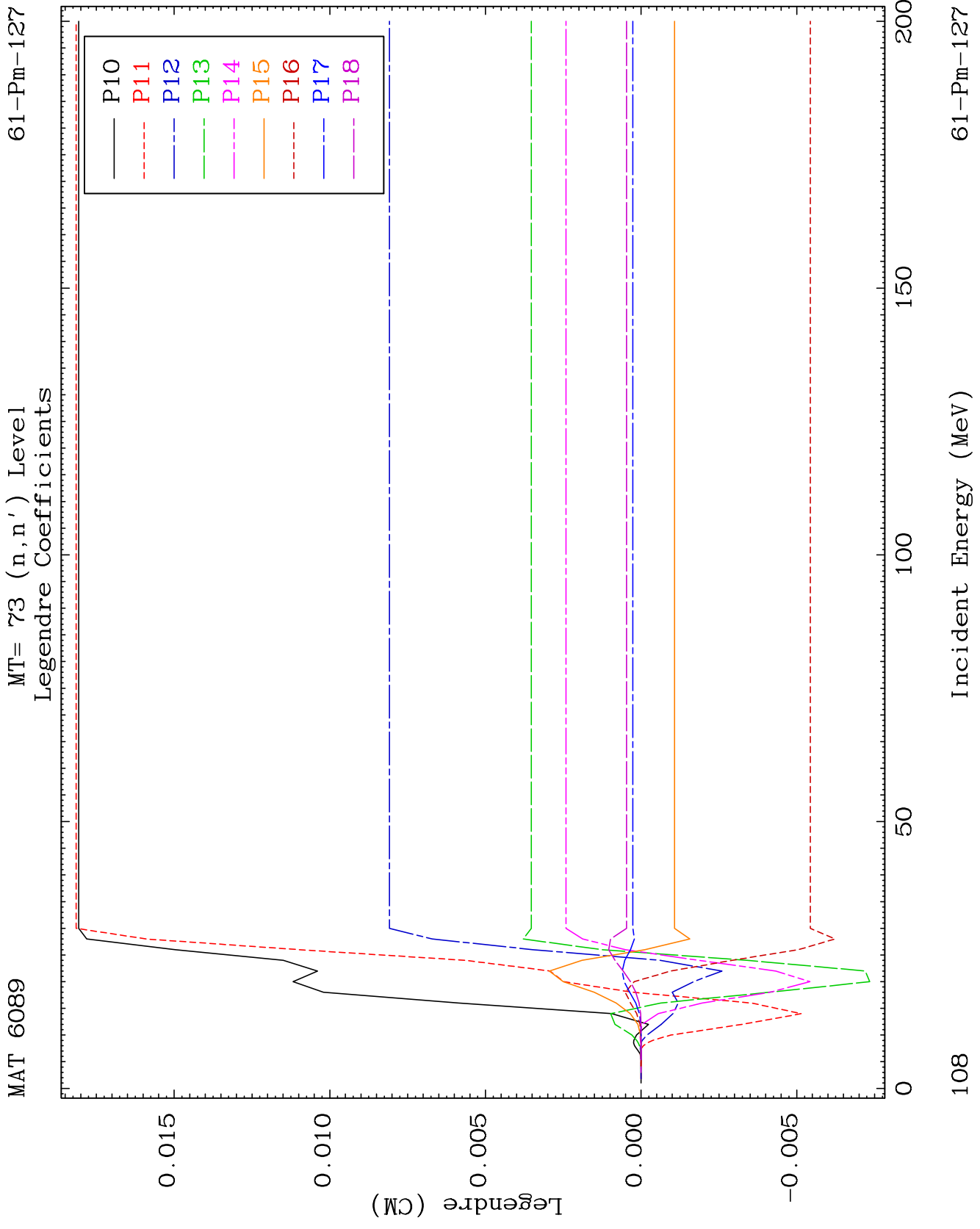
61-Pm-127



107

Incident Energy (MeV)

61-Pm-127



61-Pm-127

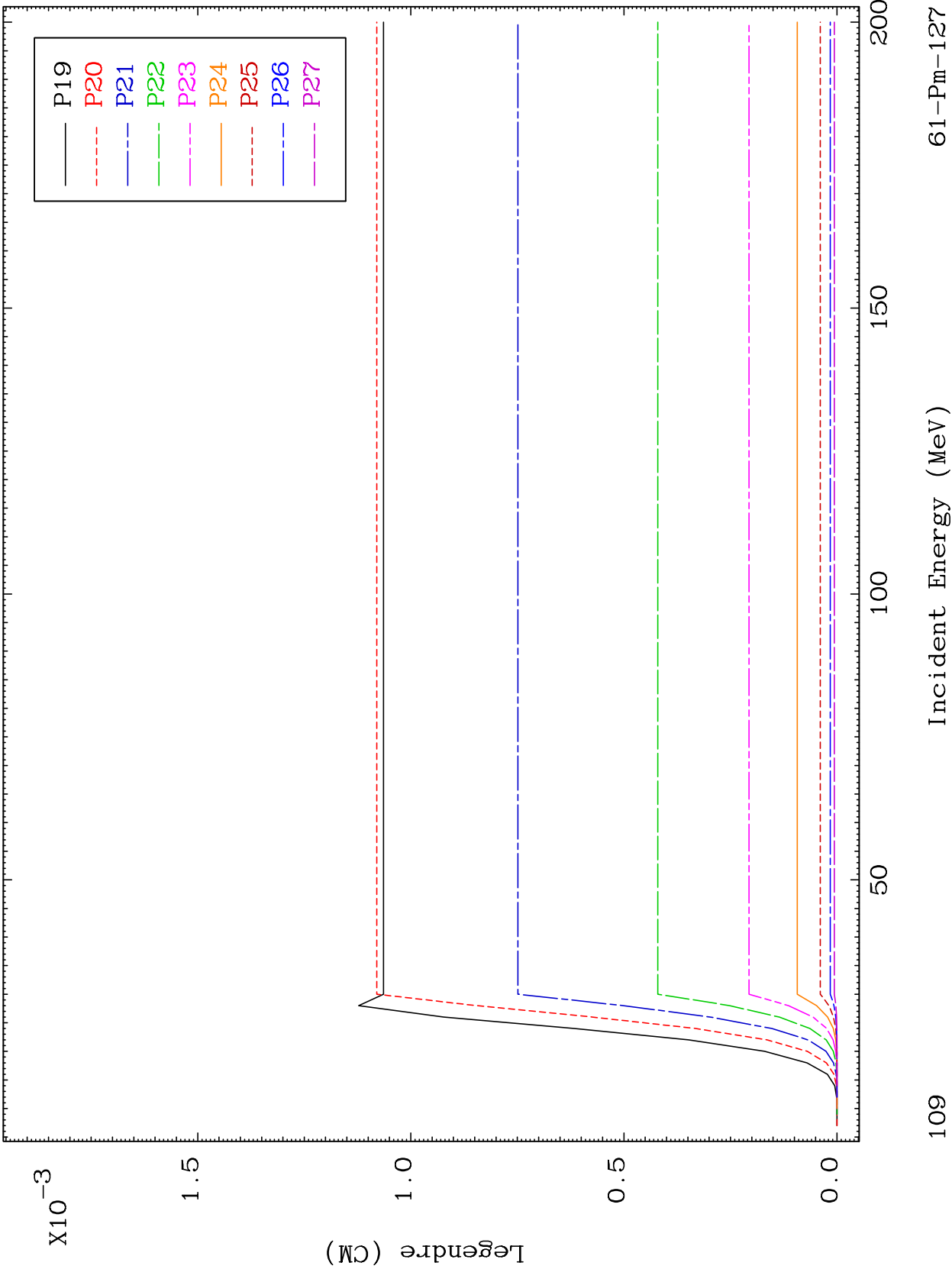
Incident Energy (MeV)

108

MAT 6089

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

61-Pm-127



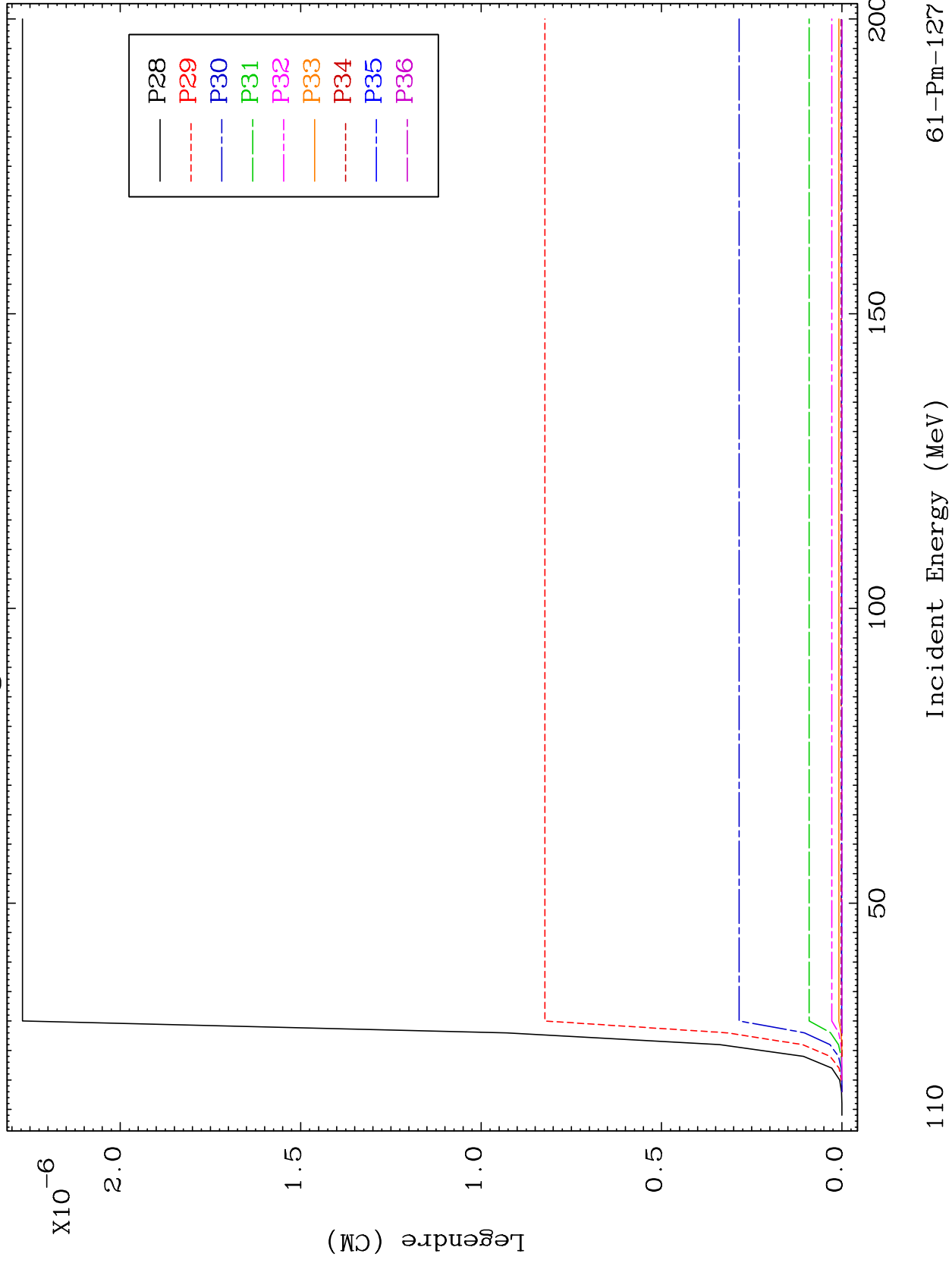
109

61-Pm-127

MAT 6089

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

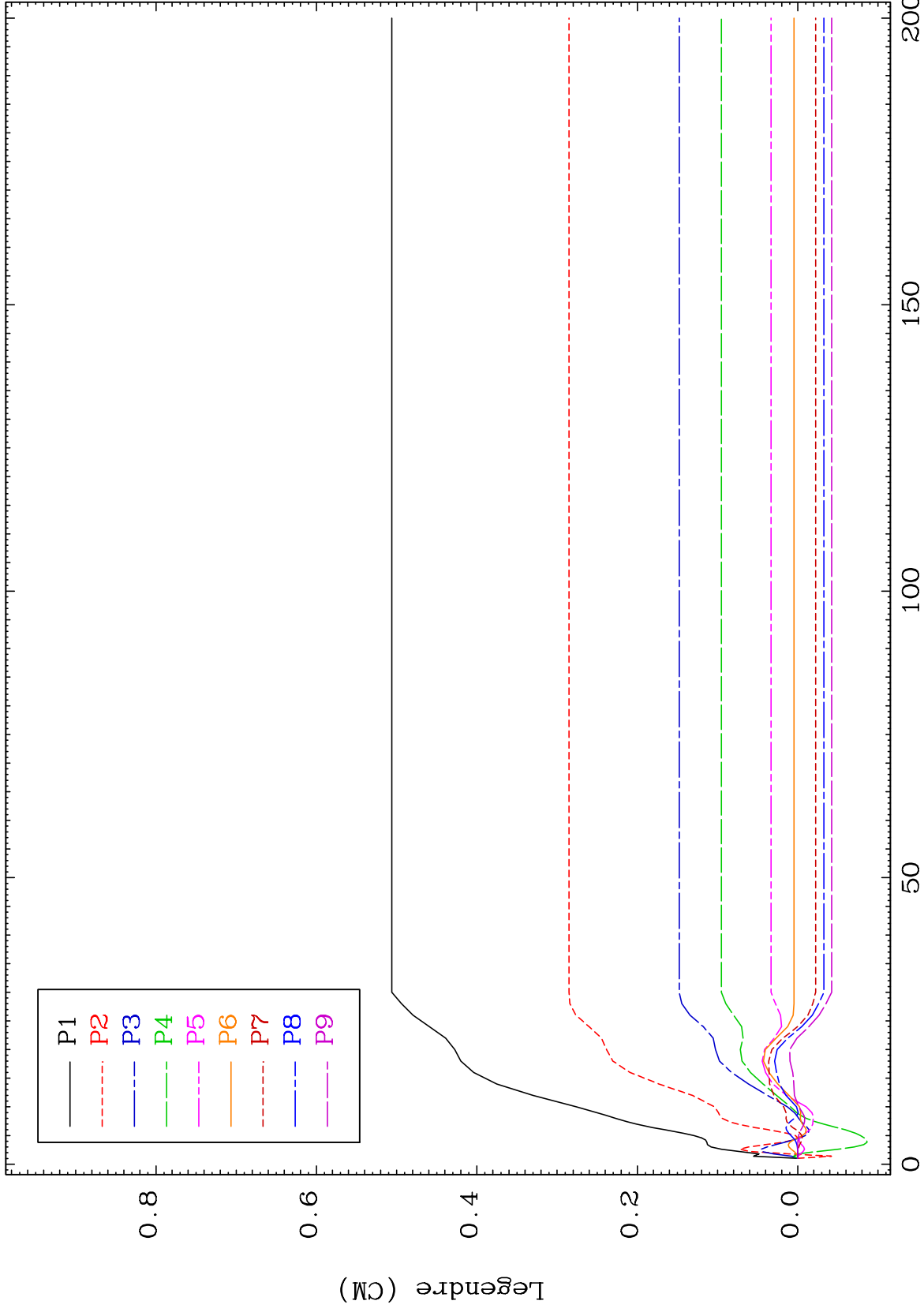
61-Pm-127



MAT 6089

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

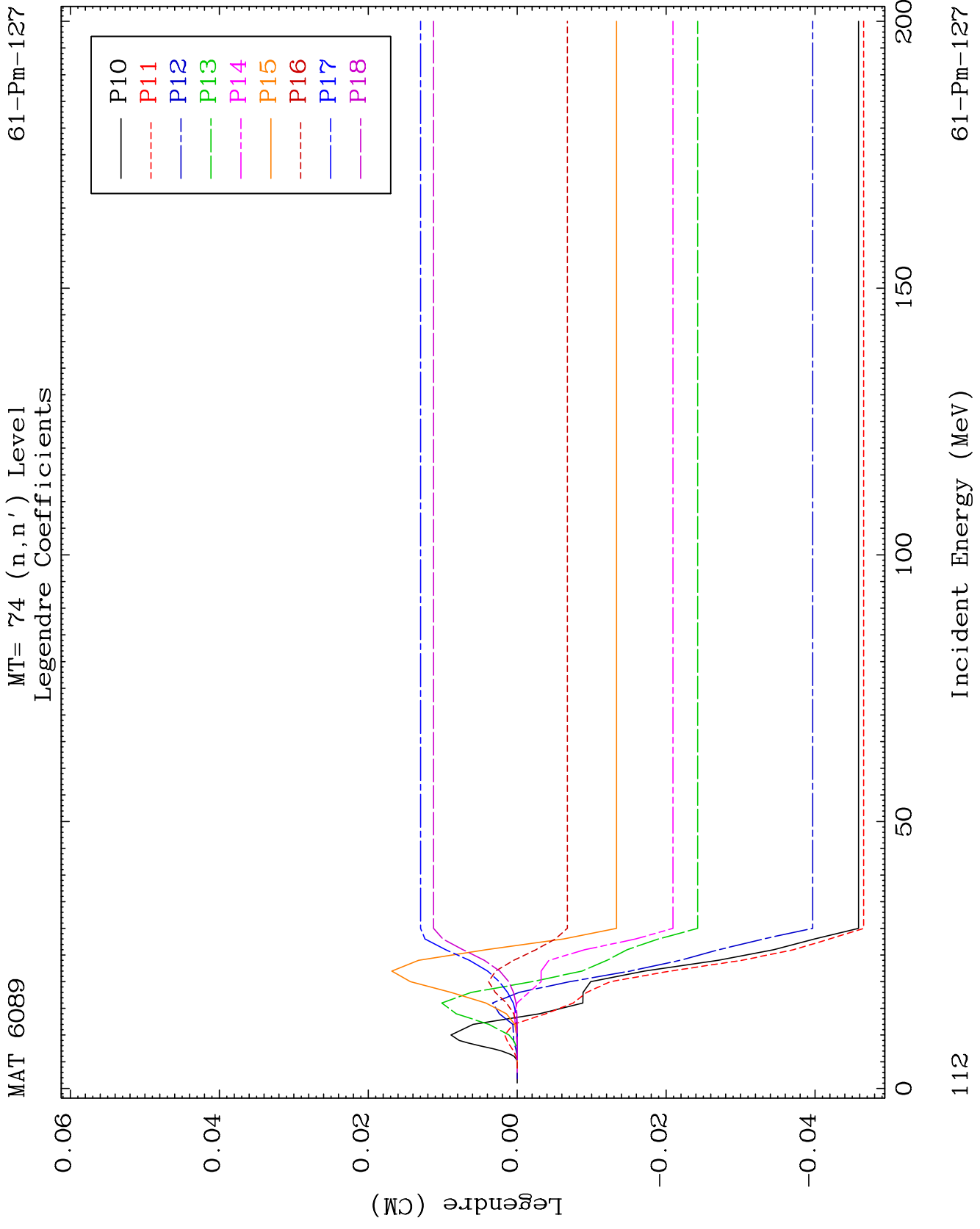
61-Pm-127



111

Incident Energy (MeV)

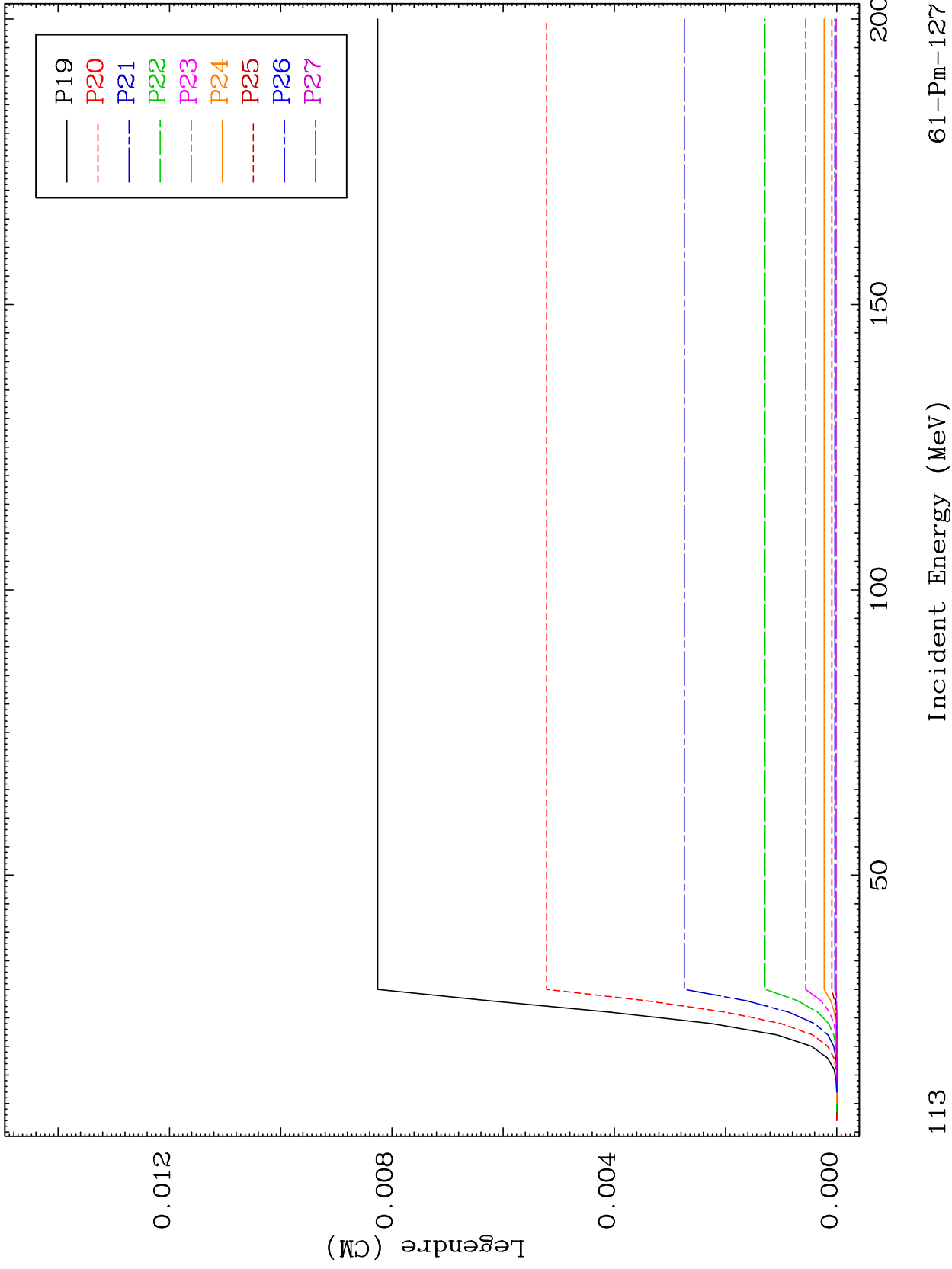
61-Pm-127



MAT 6089

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

61-Pm-127



113

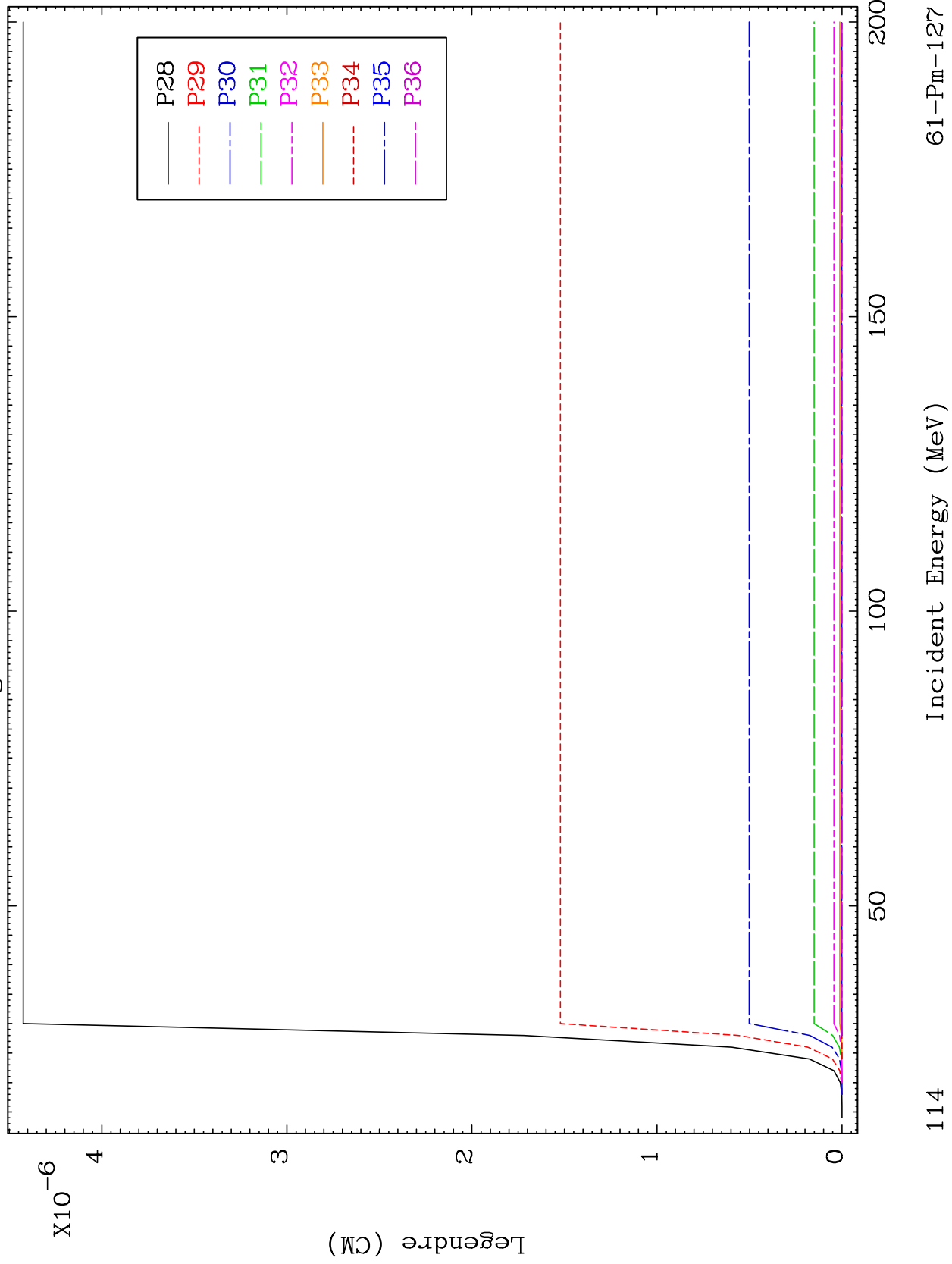
Incident Energy (MeV)

61-Pm-127

MAT 6089

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

61-Pm-127



114

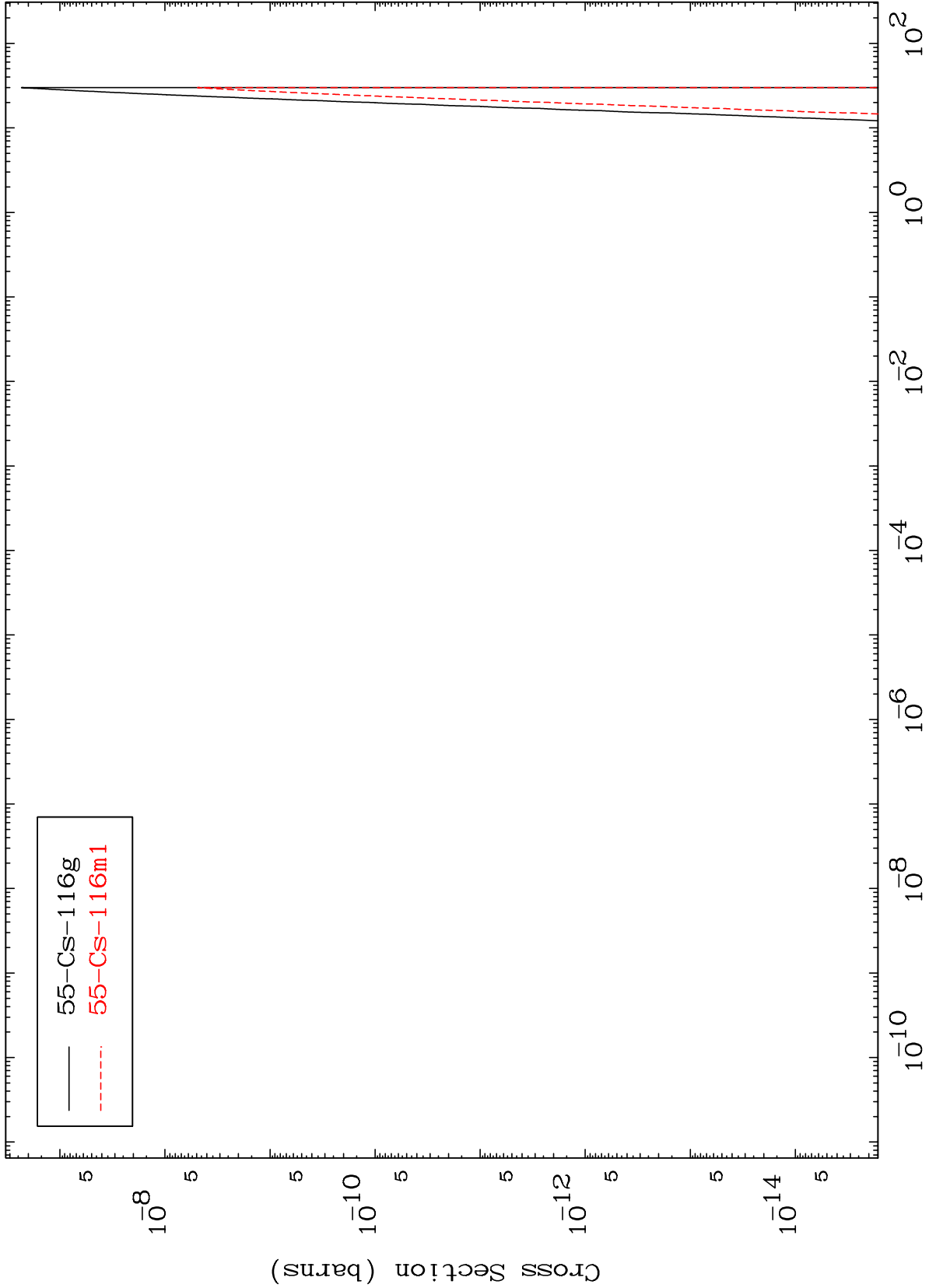
61-Pm-127

MAT 6089

(n,3 α)

61-Pm-127

Radionuclide Production Cross Section



115

Incident Energy (MeV)

61-Pm-127