

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

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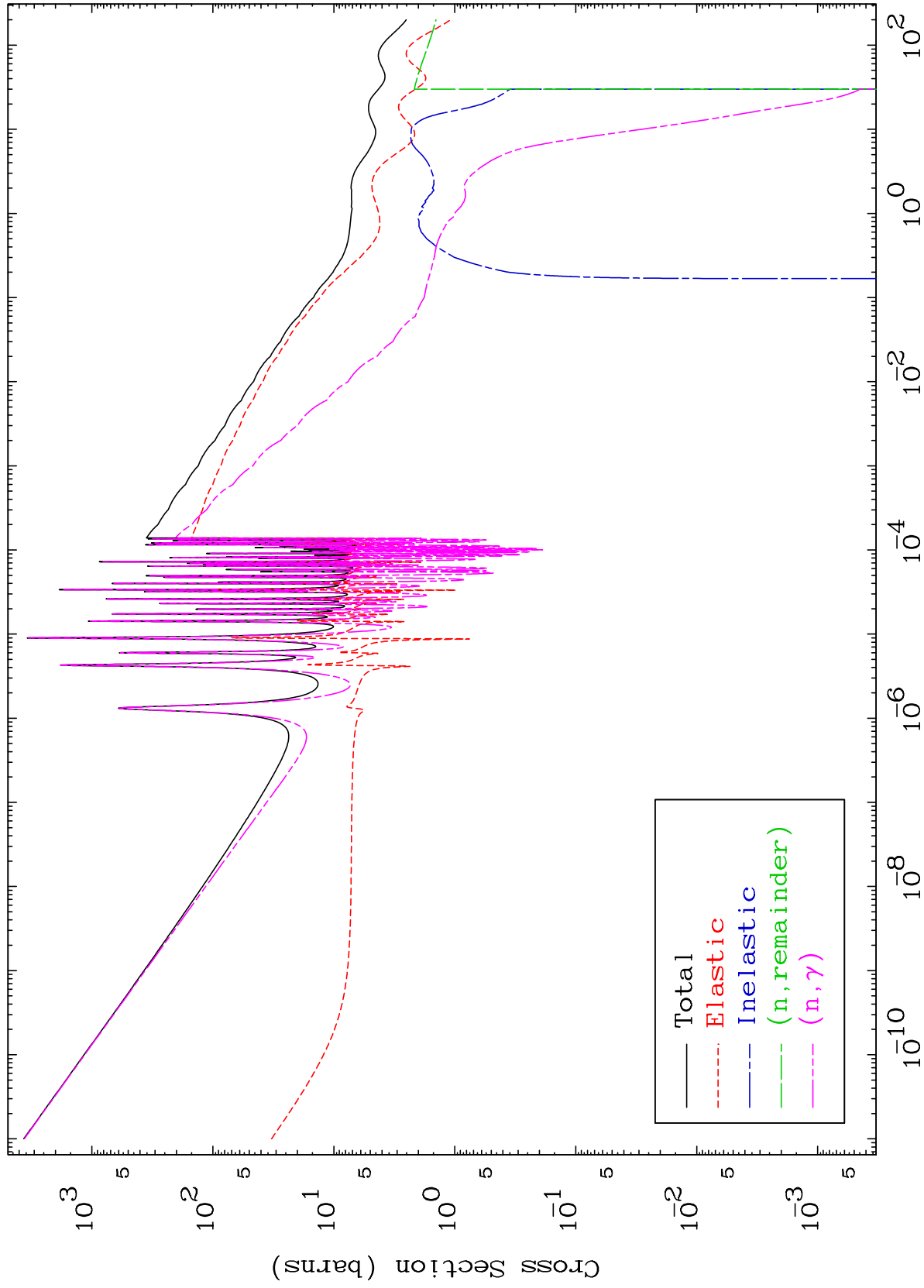
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7007

Major
293 Kelvin Cross Sections

70-Yb-162

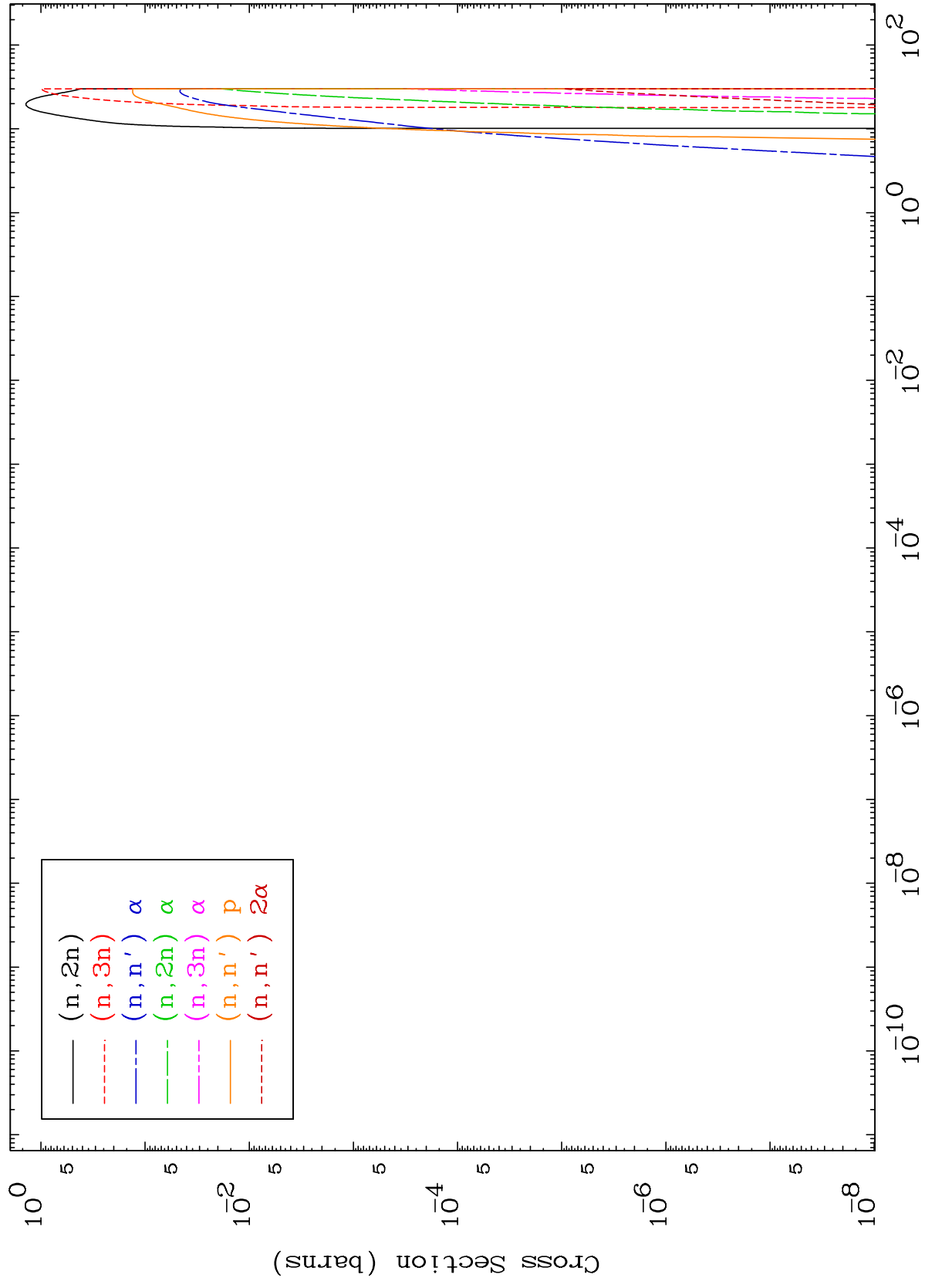


70-Yb-162

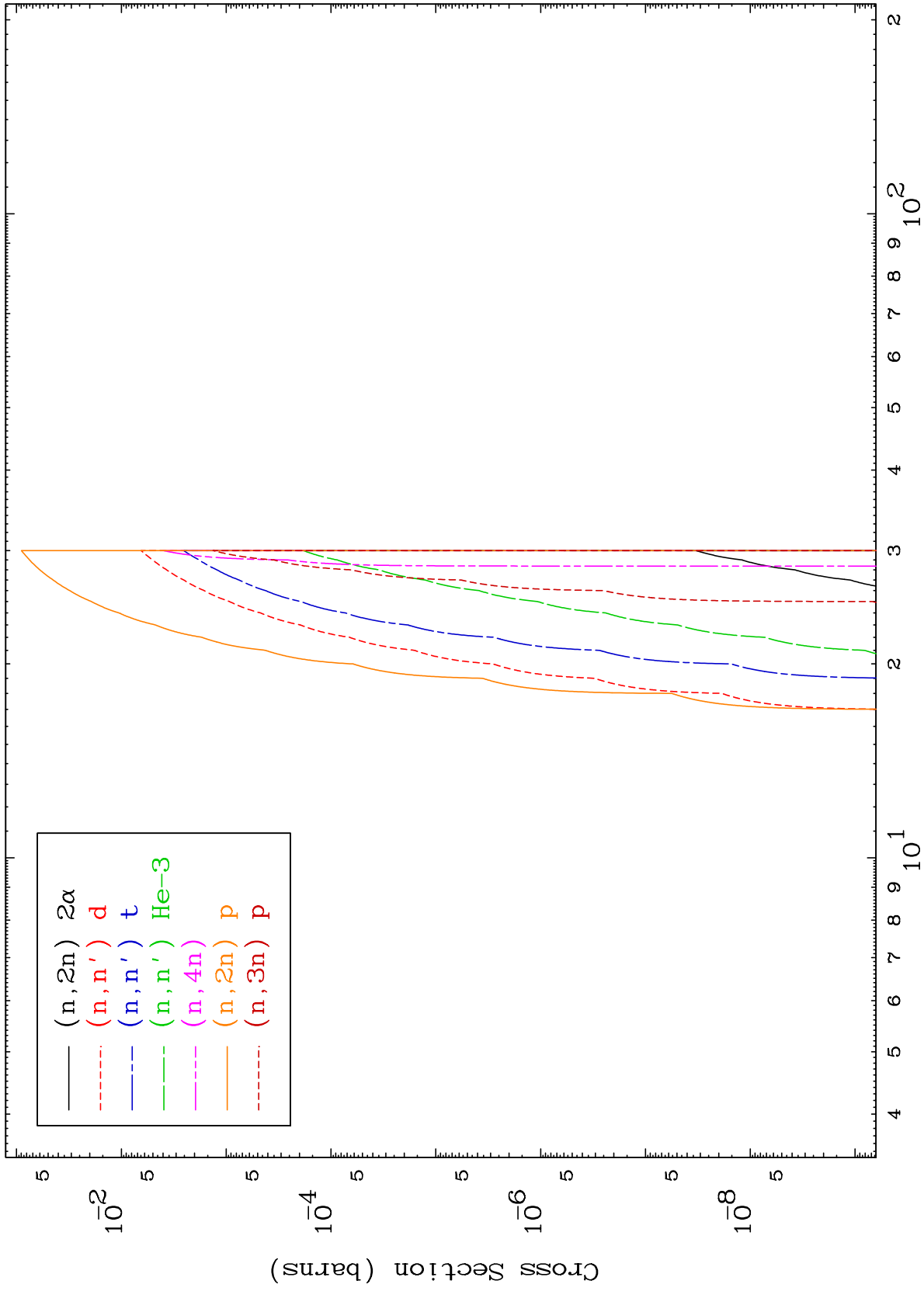
MAT 7007

Neutron Production
293 Kelvin Cross Sections

70-Yb-162



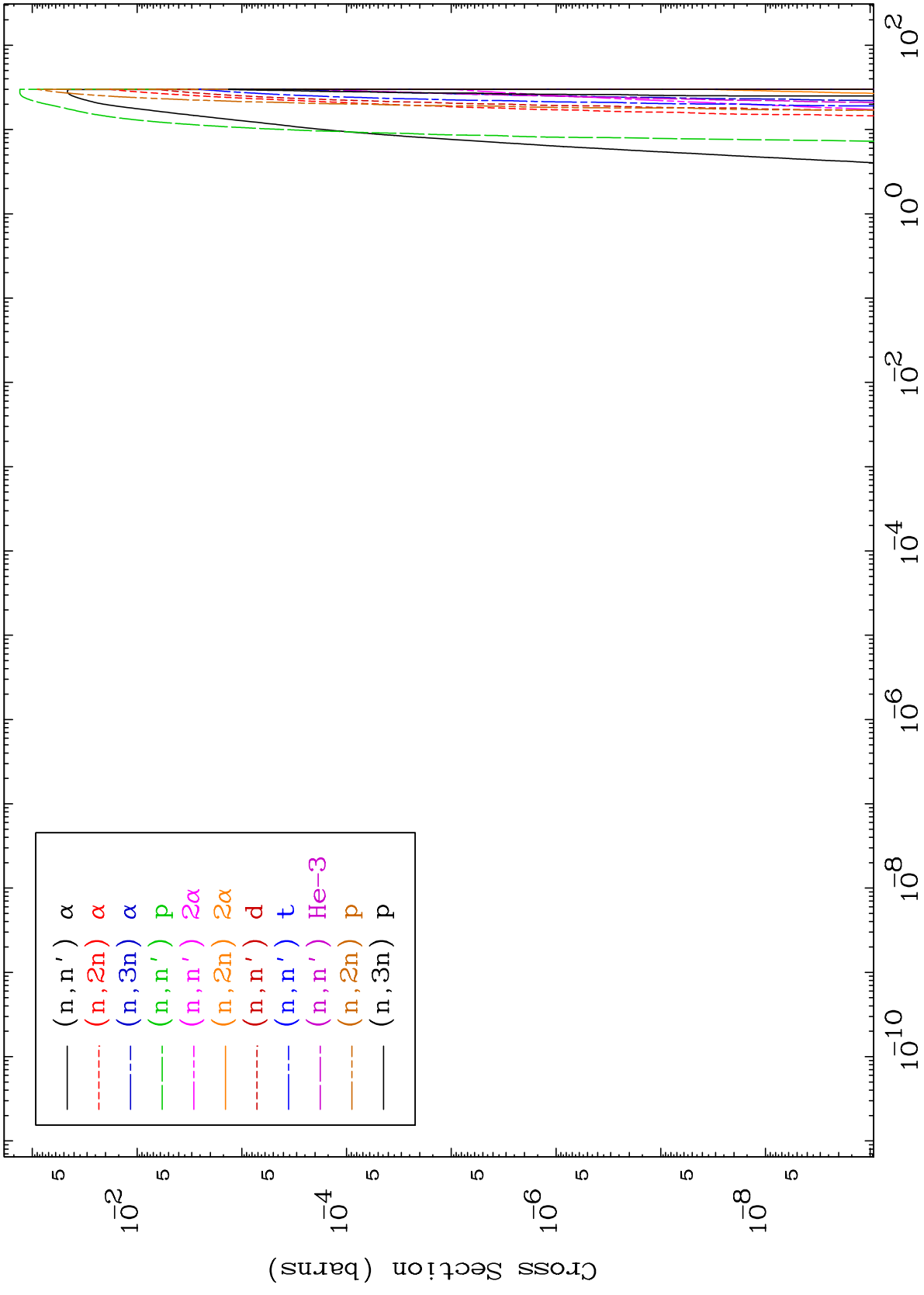
70-Yb-162



MAT 7007

293 Kelvin Cross Sections

70-Yb-162



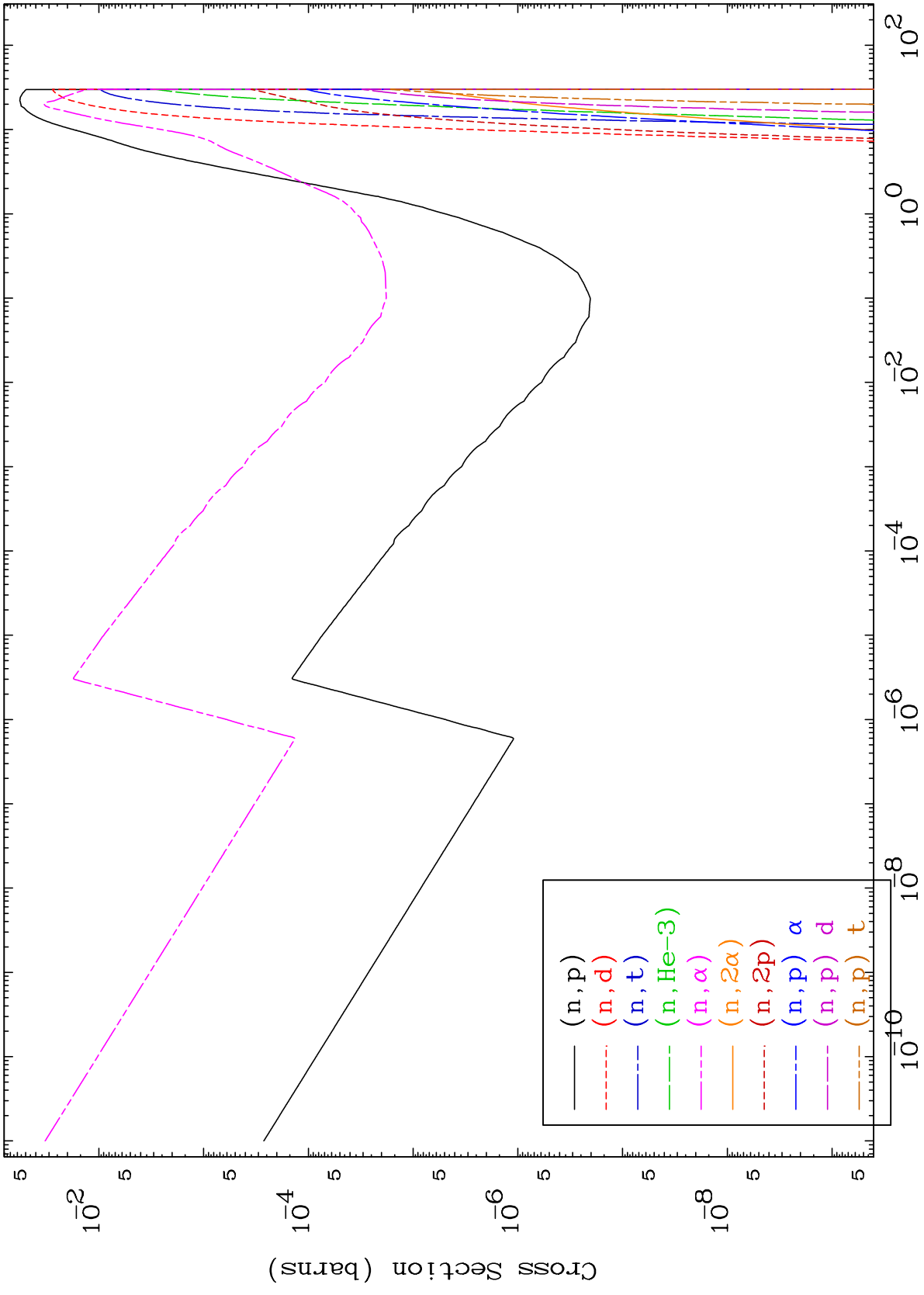
70-Yb-162

Incident Energy (MeV)

MAT 7007

Charged Particle
293 Kelvin Cross Sections

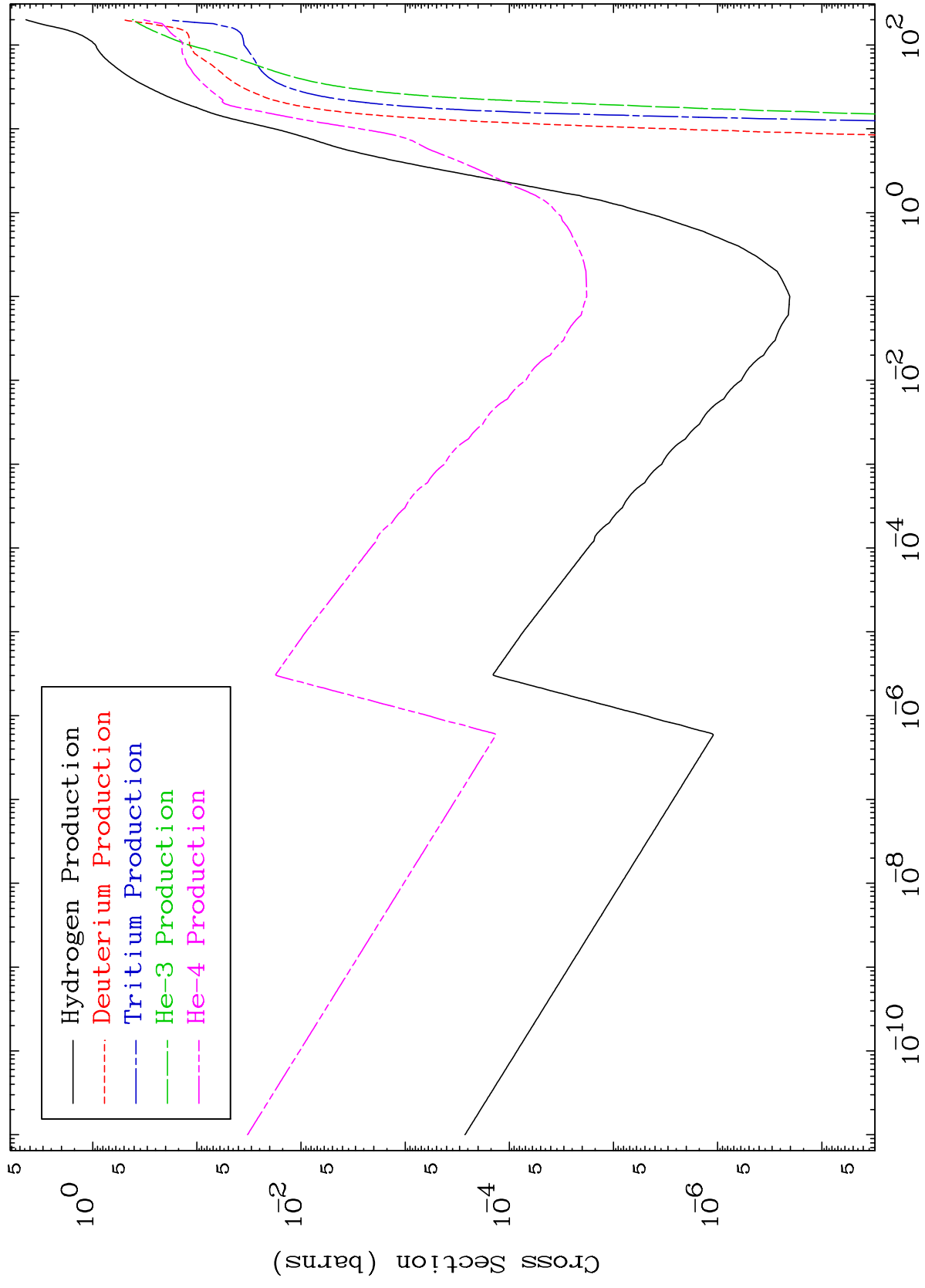
70-Yb-162



MAT 7007

Particle Production
293 Kelvin Cross Sections

70-Yb-162



6

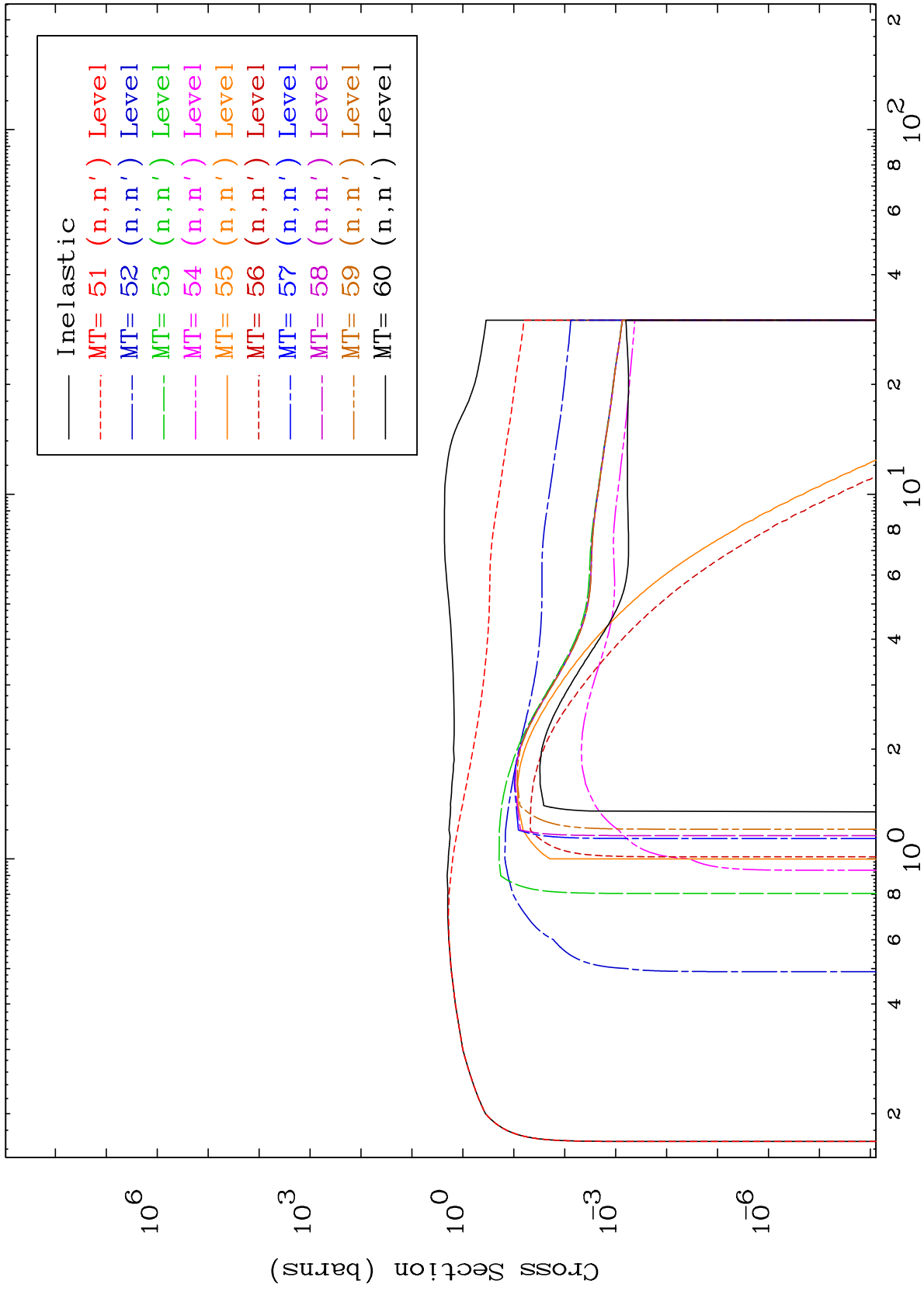
70-Yb-162

MAT 7007

(n,n') Level

293 Kelvin Cross Sections

70-Yb-162

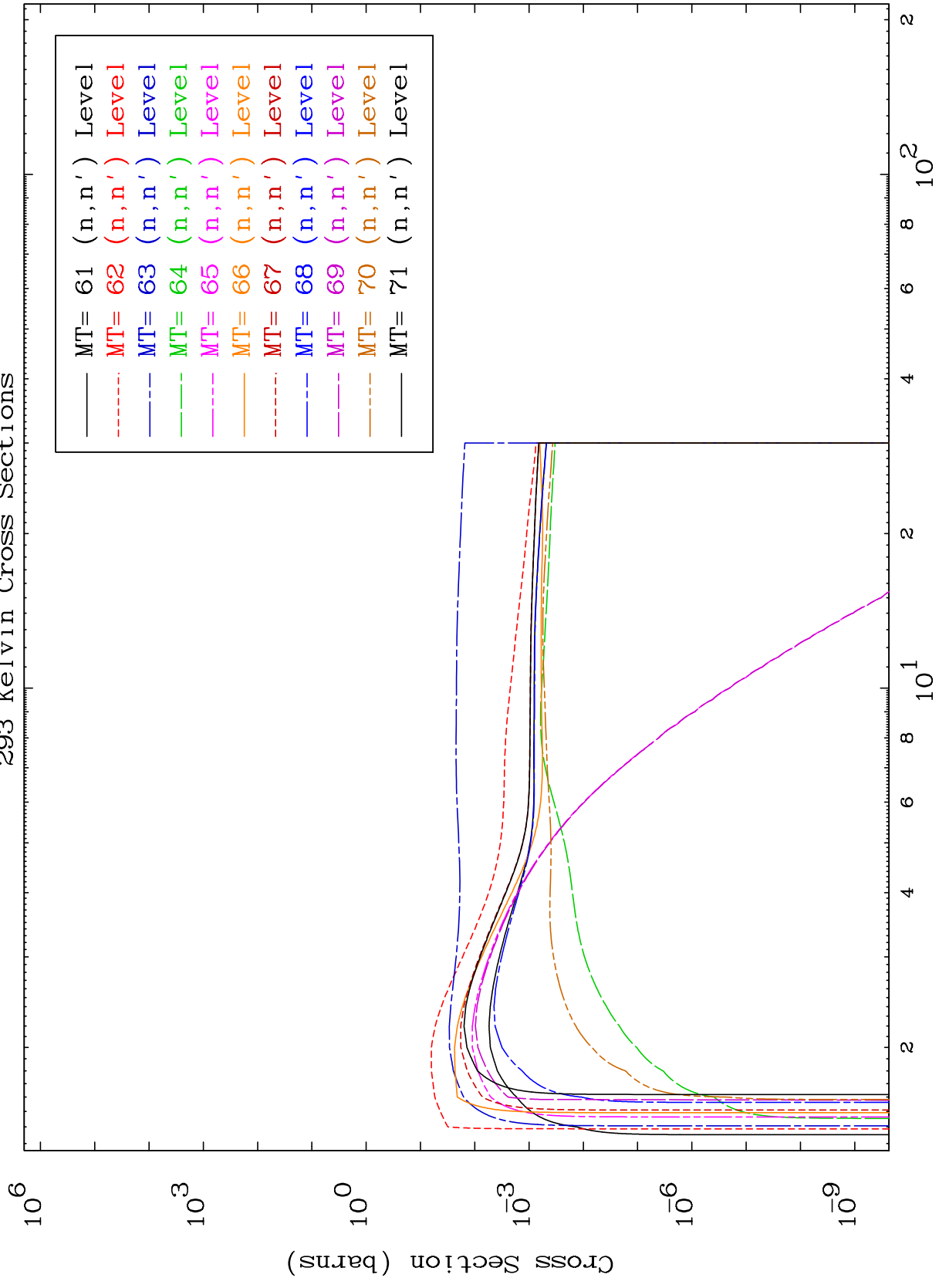


MAT 7007

(n,n') Level

70-Yb-162

293 Kelvin Cross Sections



8

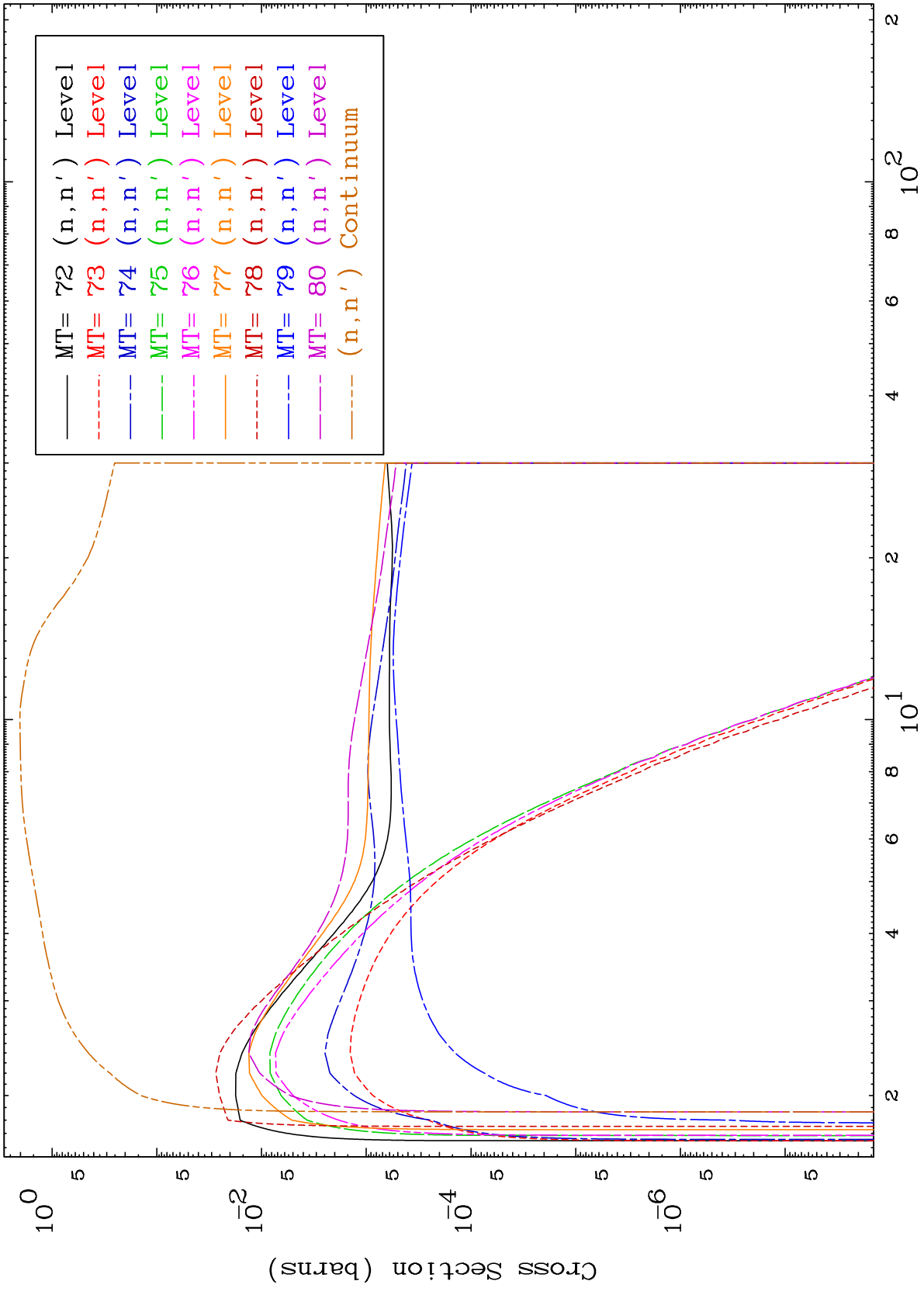
Incident Energy (MeV)

70-Yb-162

MAT 7007

293 Kelvin Cross Sections

70-Yb-162



9

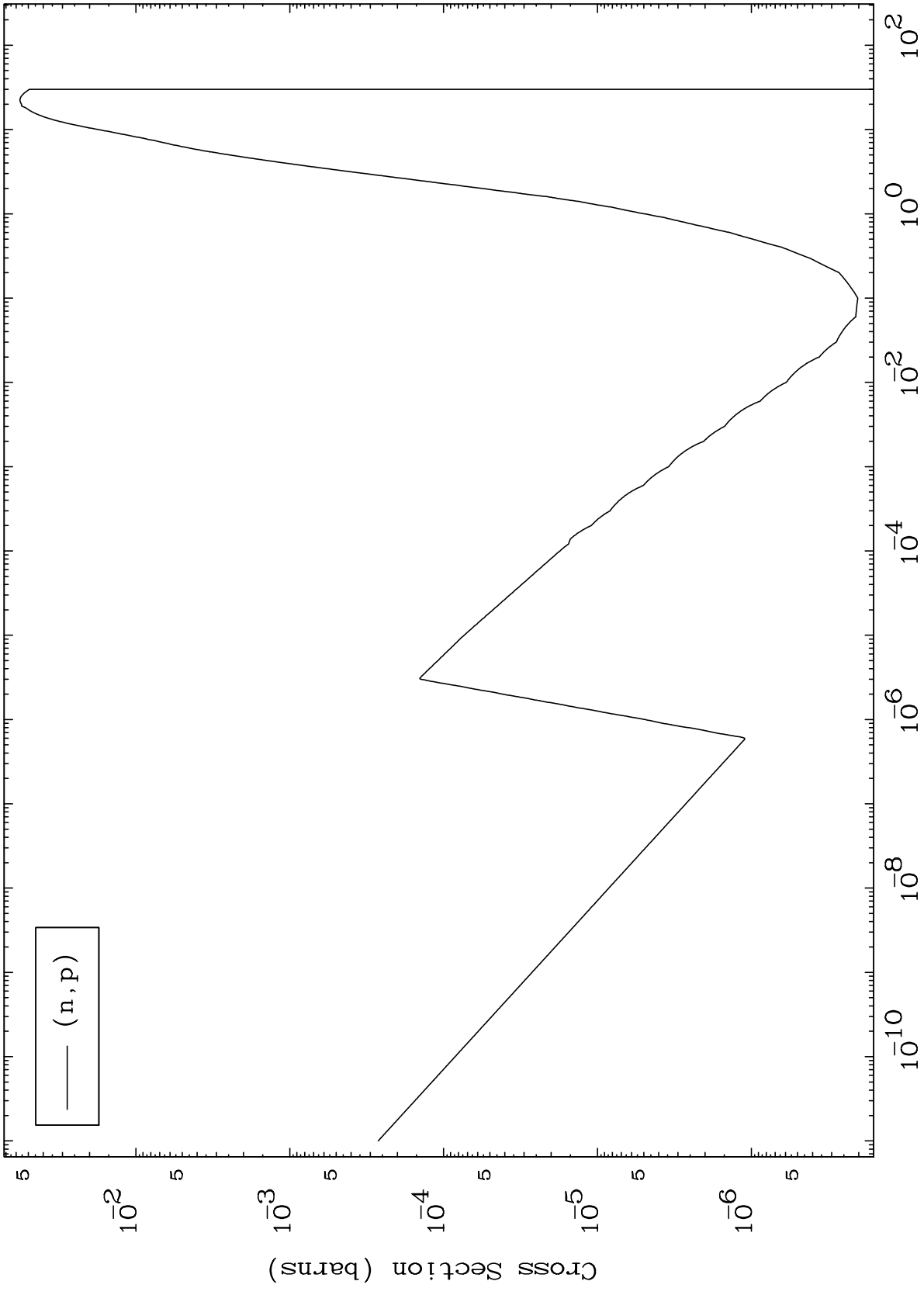
Incident Energy (MeV)

70-Yb-162

MAT 7007

(n,p) Levels
293 Kelvin Cross Sections

70-Yb-162



10

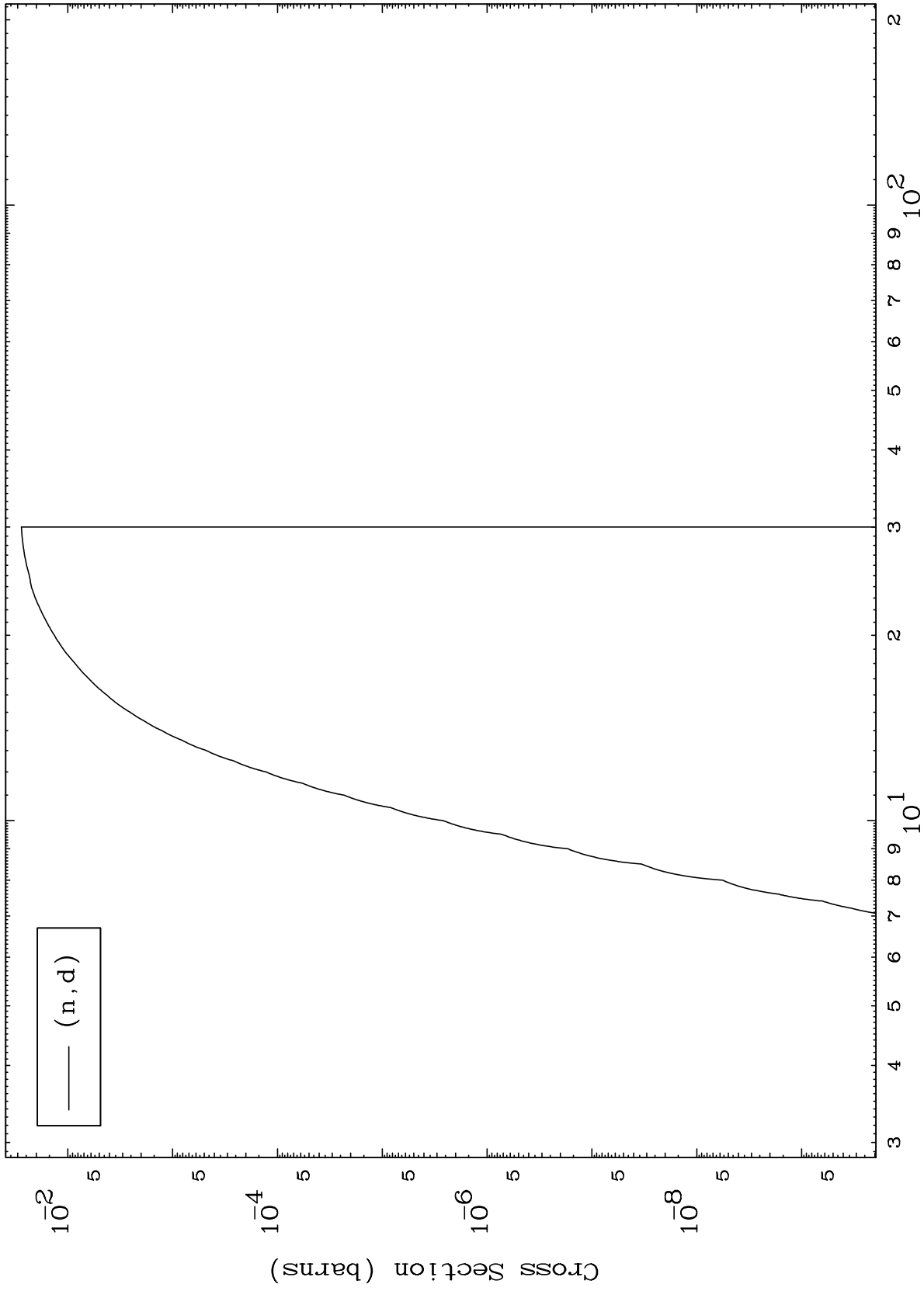
Incident Energy (MeV)

70-Yb-162

MAT 7007

(n,d) Levels
293 Kelvin Cross Sections

70-Yb-162



11

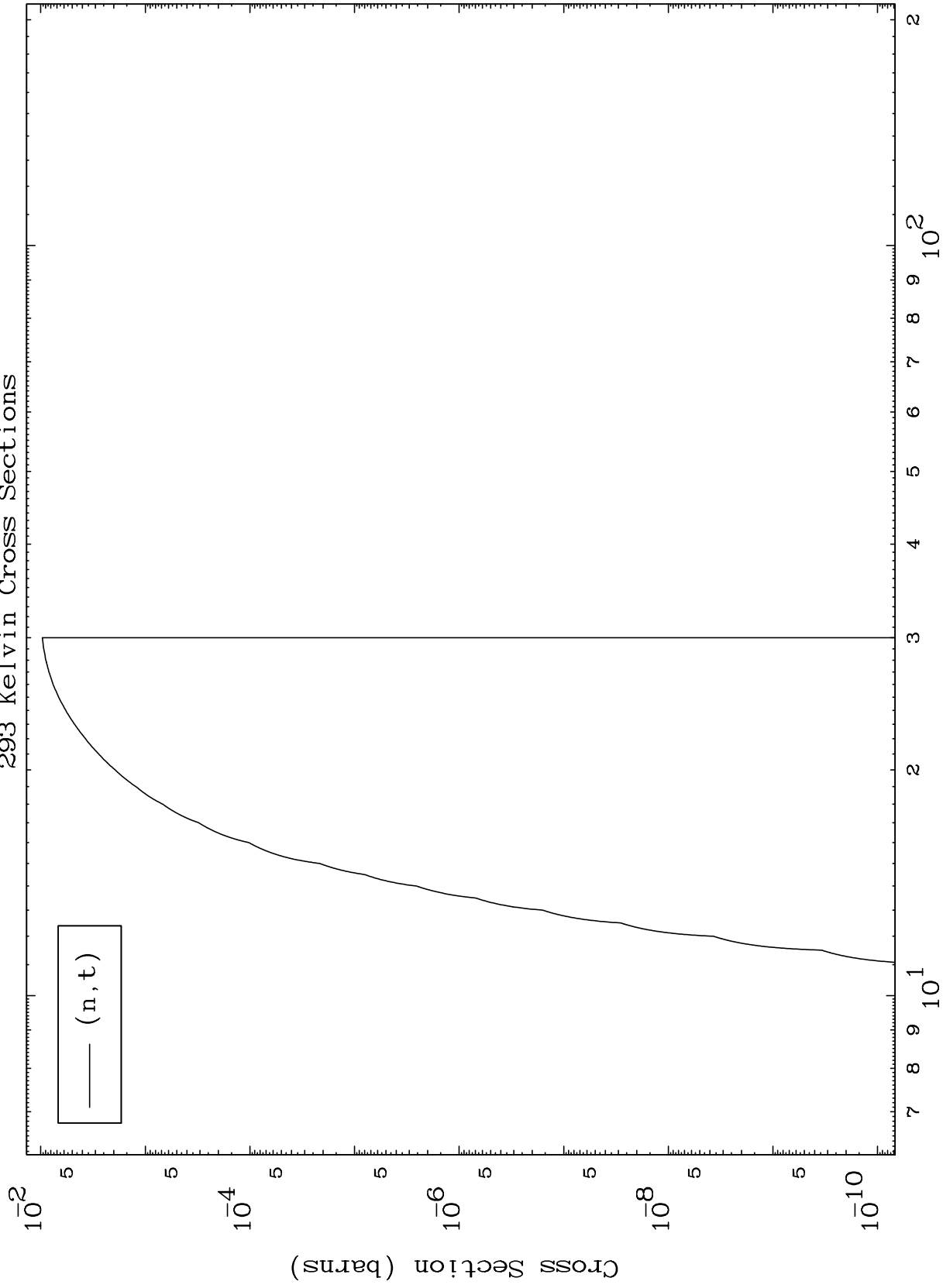
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70-Yb-162

MAT 7007

(n,t) Levels
293 Kelvin Cross Sections

70-Yb-162



12

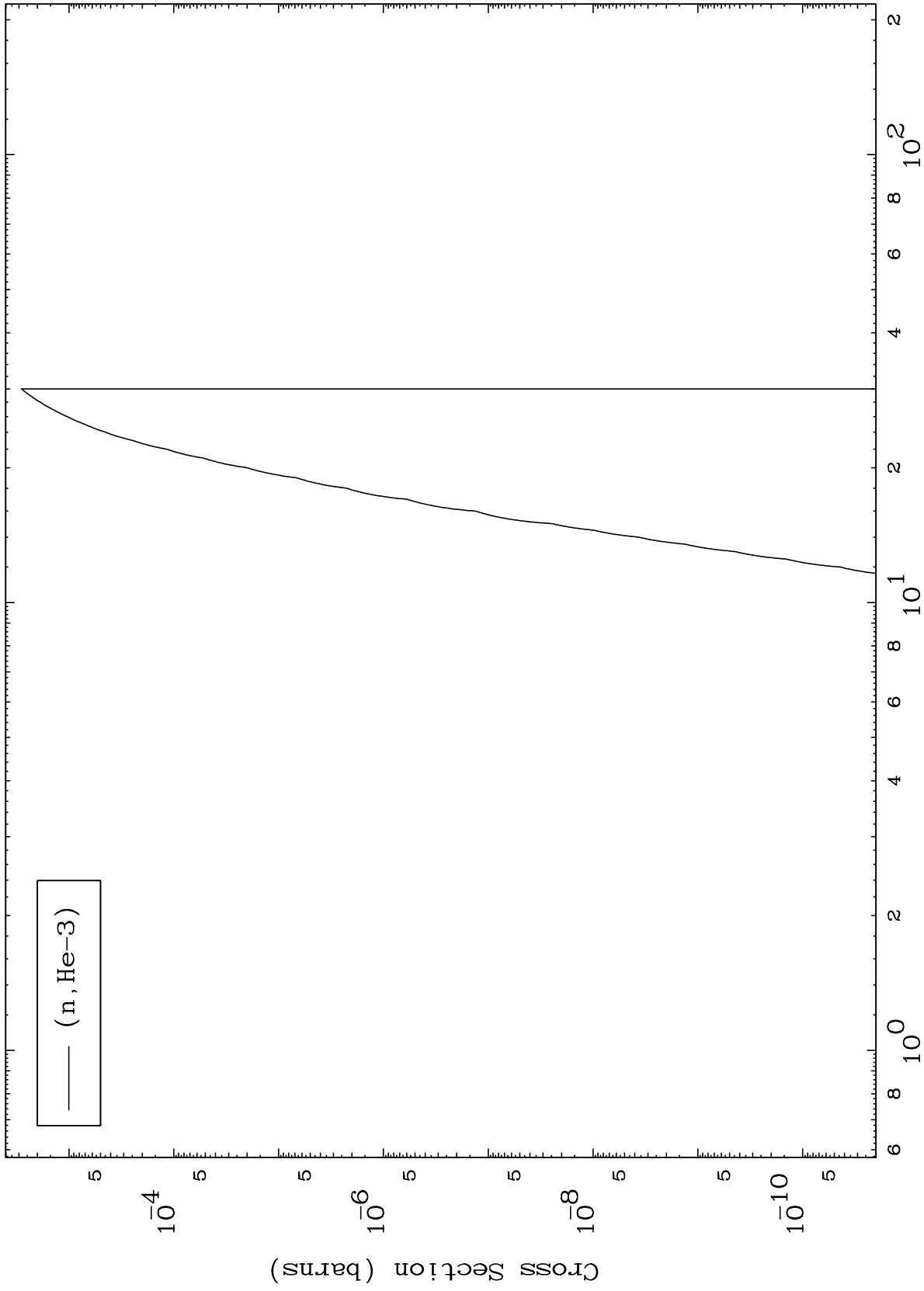
Incident Energy (MeV)

70-Yb-162

MAT 7007

(n,He3) Levels
293 Kelvin Cross Sections

70-Yb-162



13

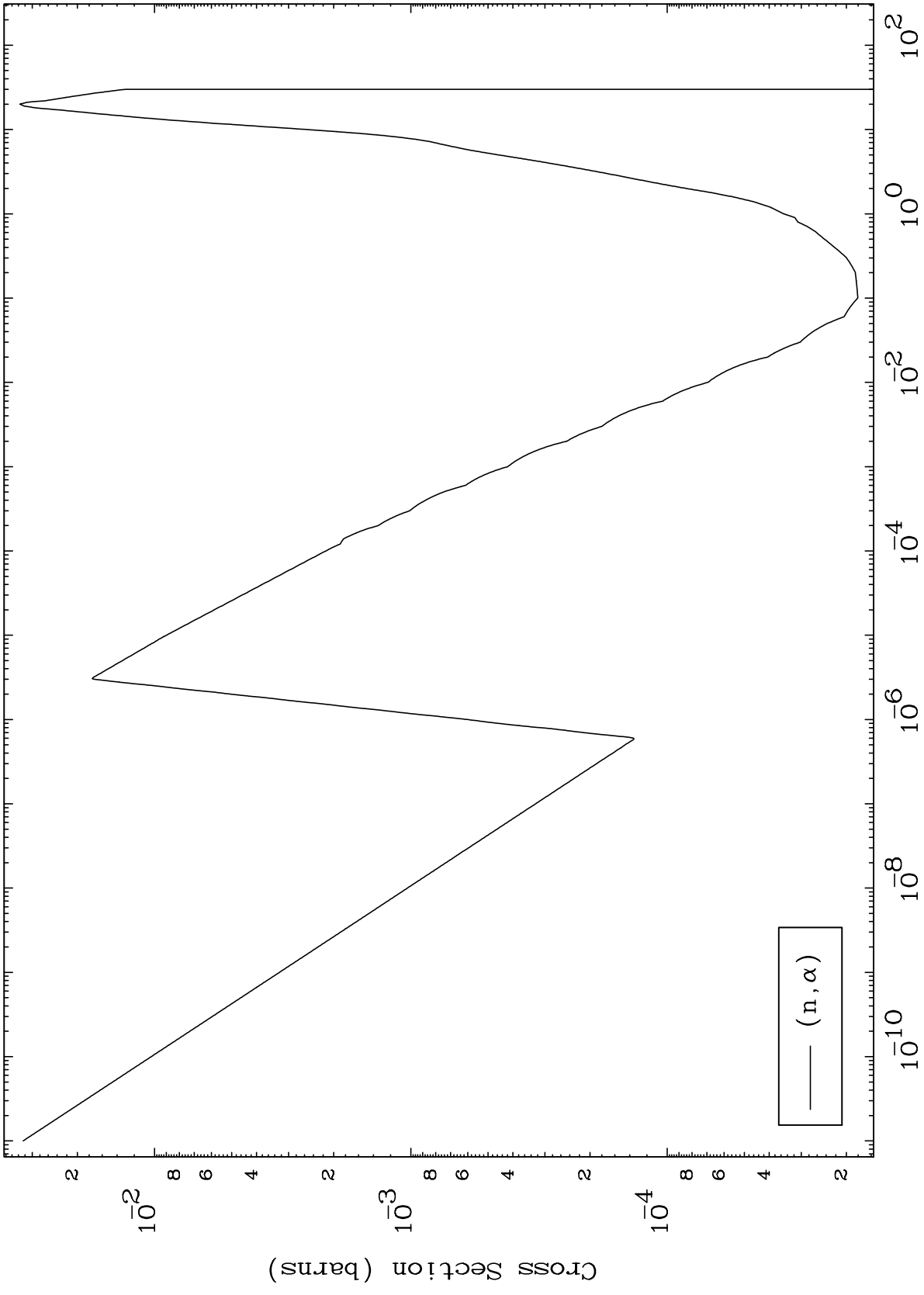
Incident Energy (MeV)

70-Yb-162

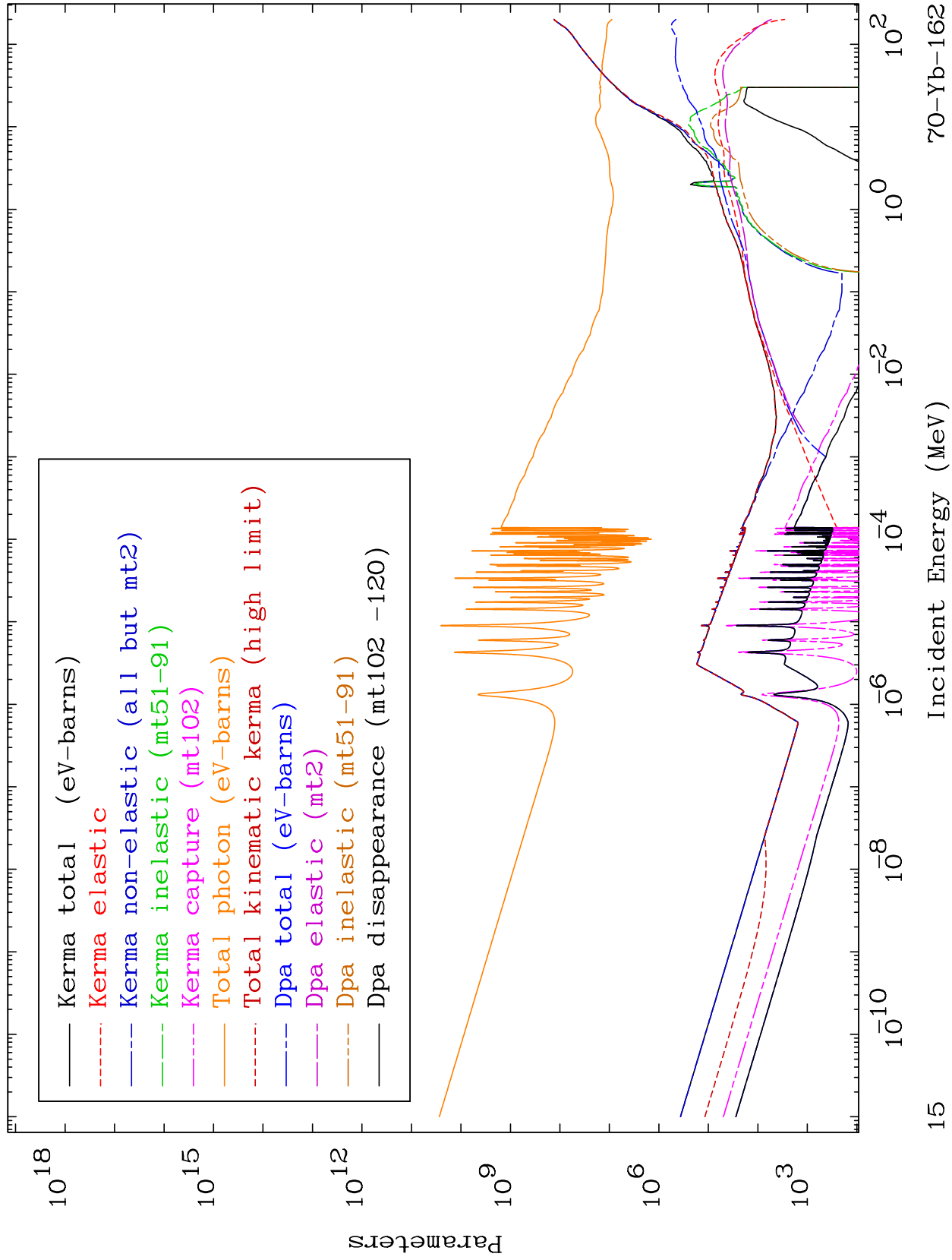
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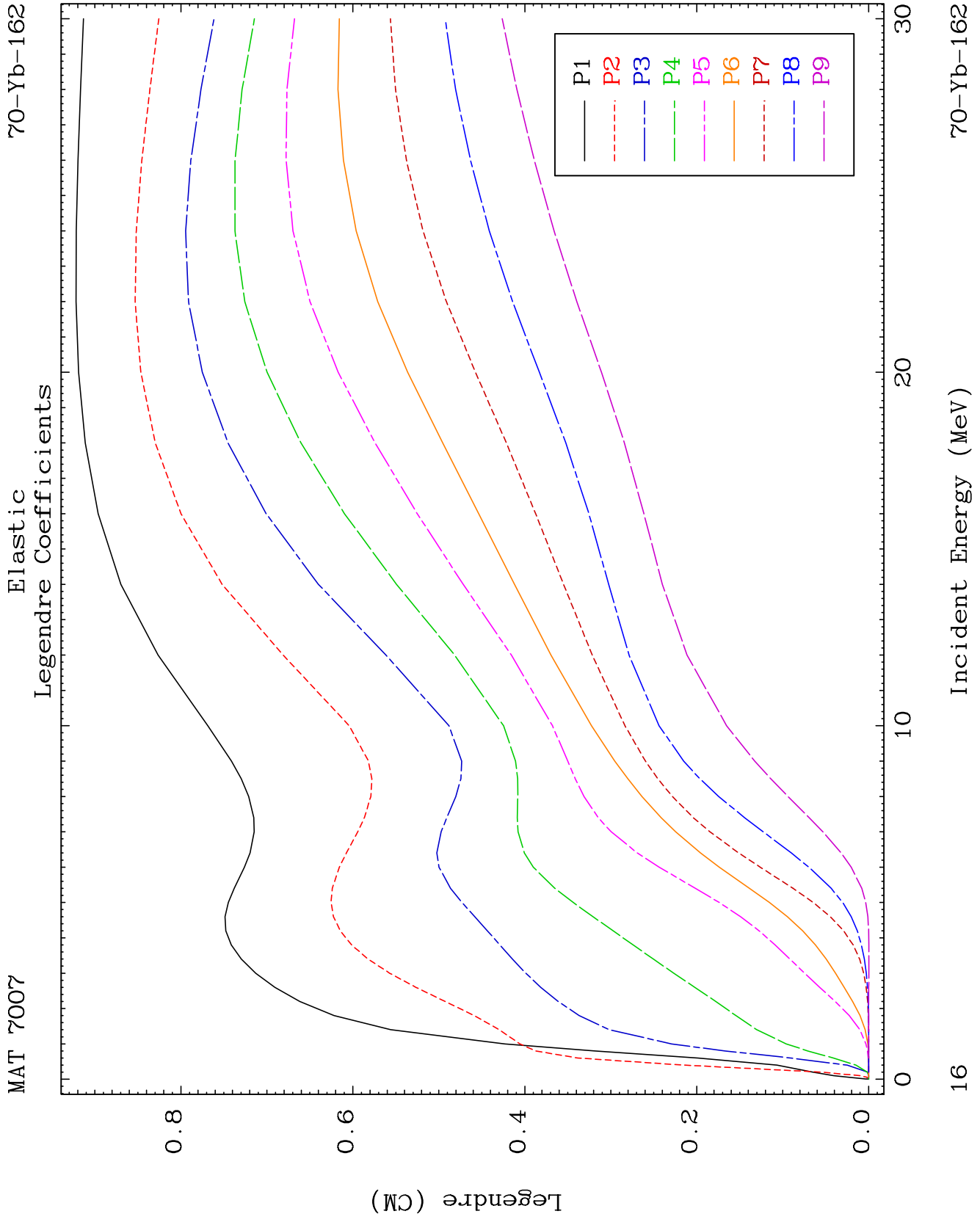
(n,α) Levels
293 Kelvin Cross Sections

70-Yb-162



70-Yb-162

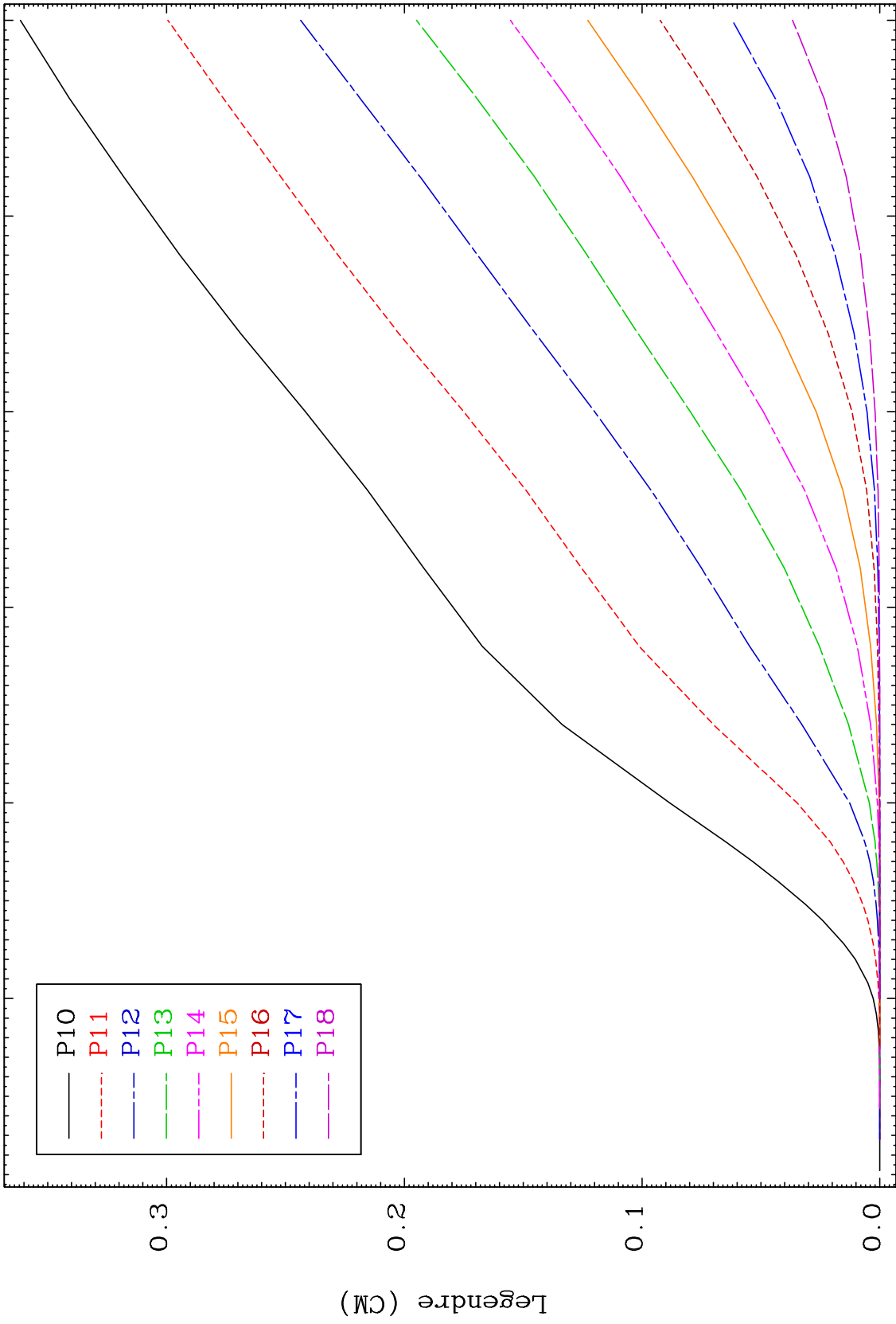




MAT 7007

Elastic Legendre Coefficients

70-Yb-162



17

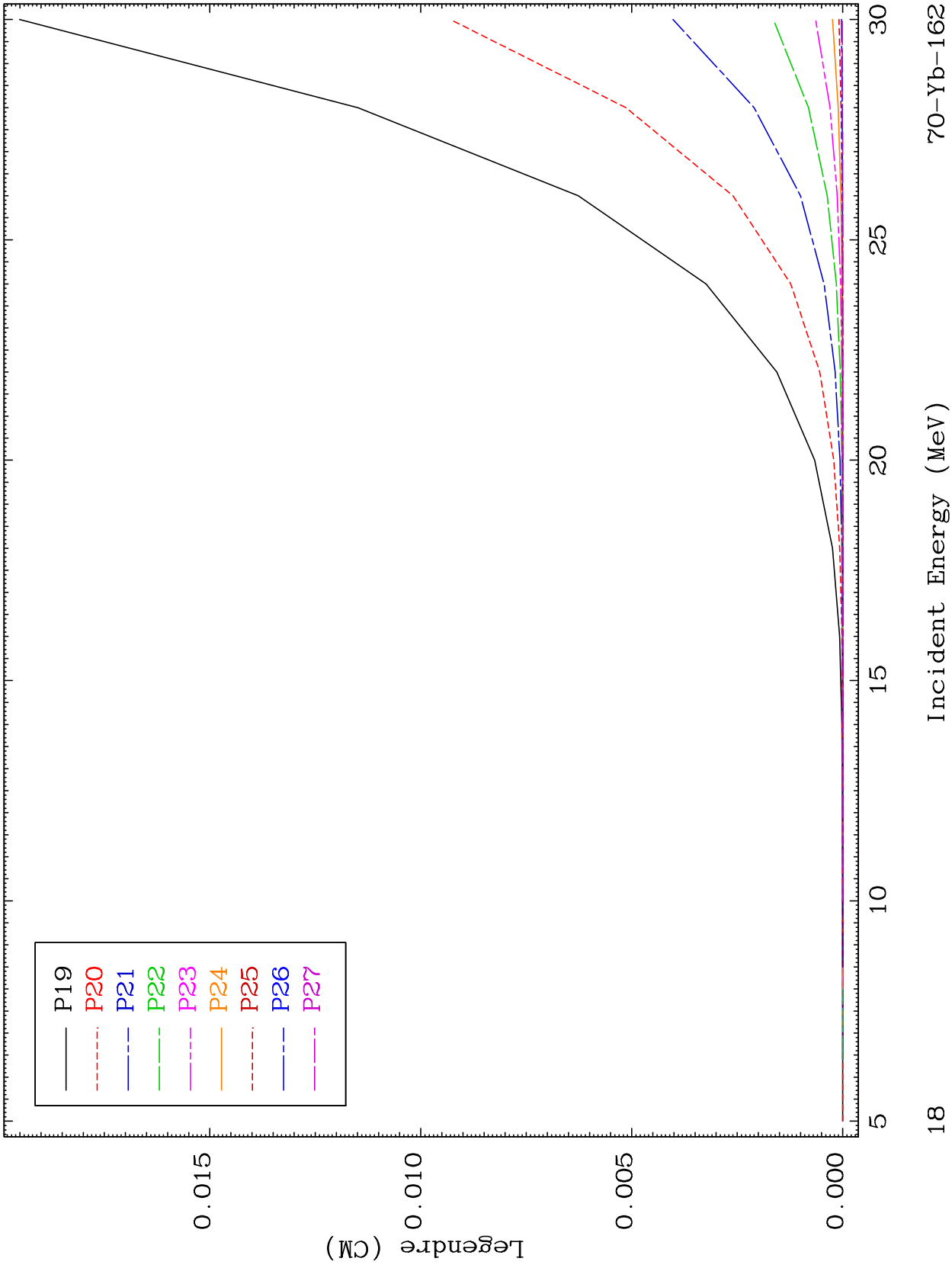
Incident Energy (MeV)

70-Yb-162

MAT 7007

Elastic Legendre Coefficients

70-Yb-162



70-Yb-162

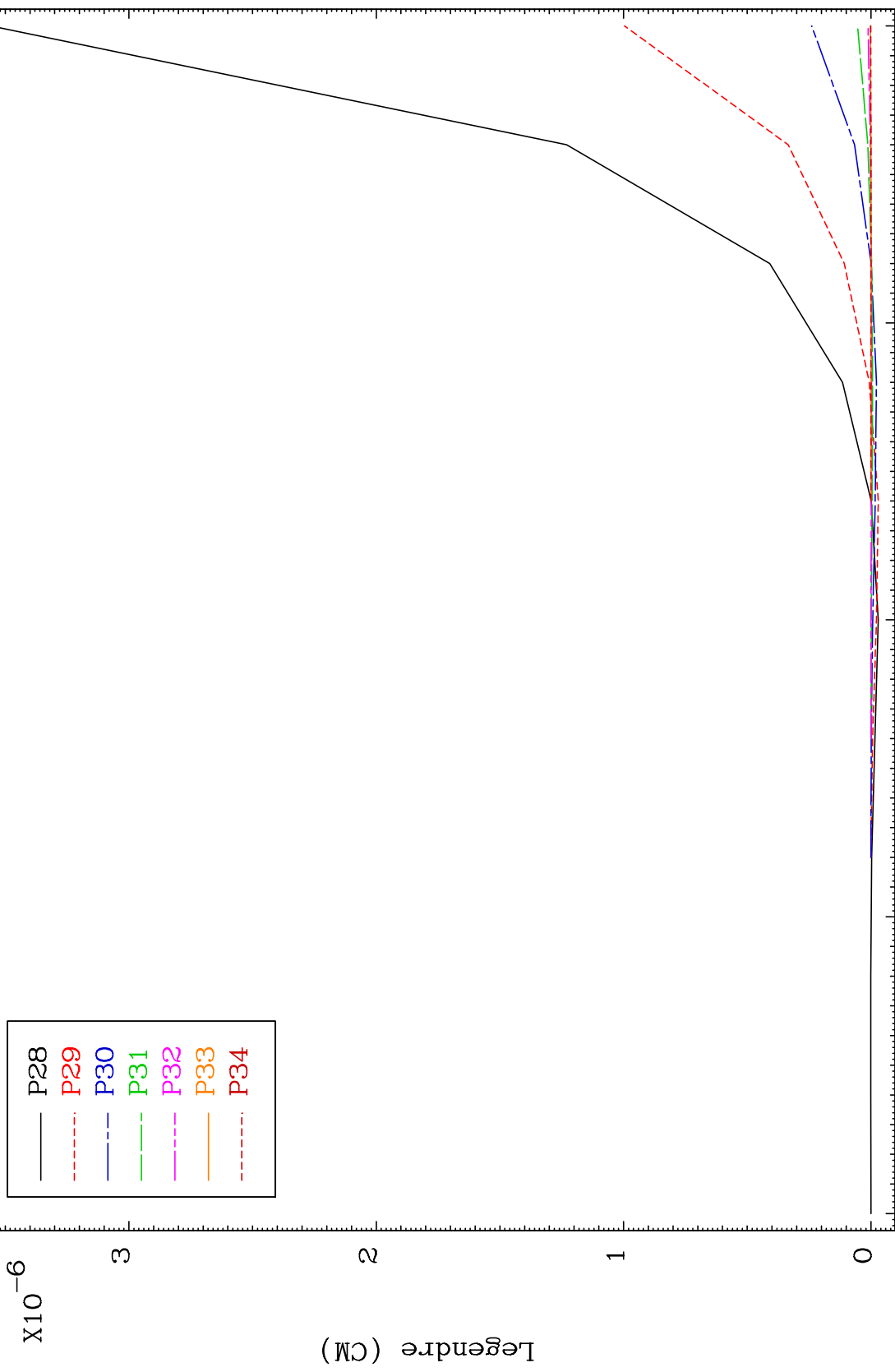
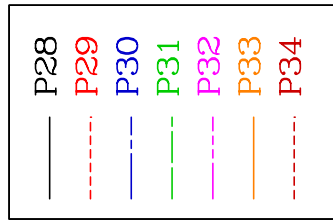
Incident Energy (MeV)

18

MAT 7007

Elastic Legendre Coefficients

70-Yb-162



19

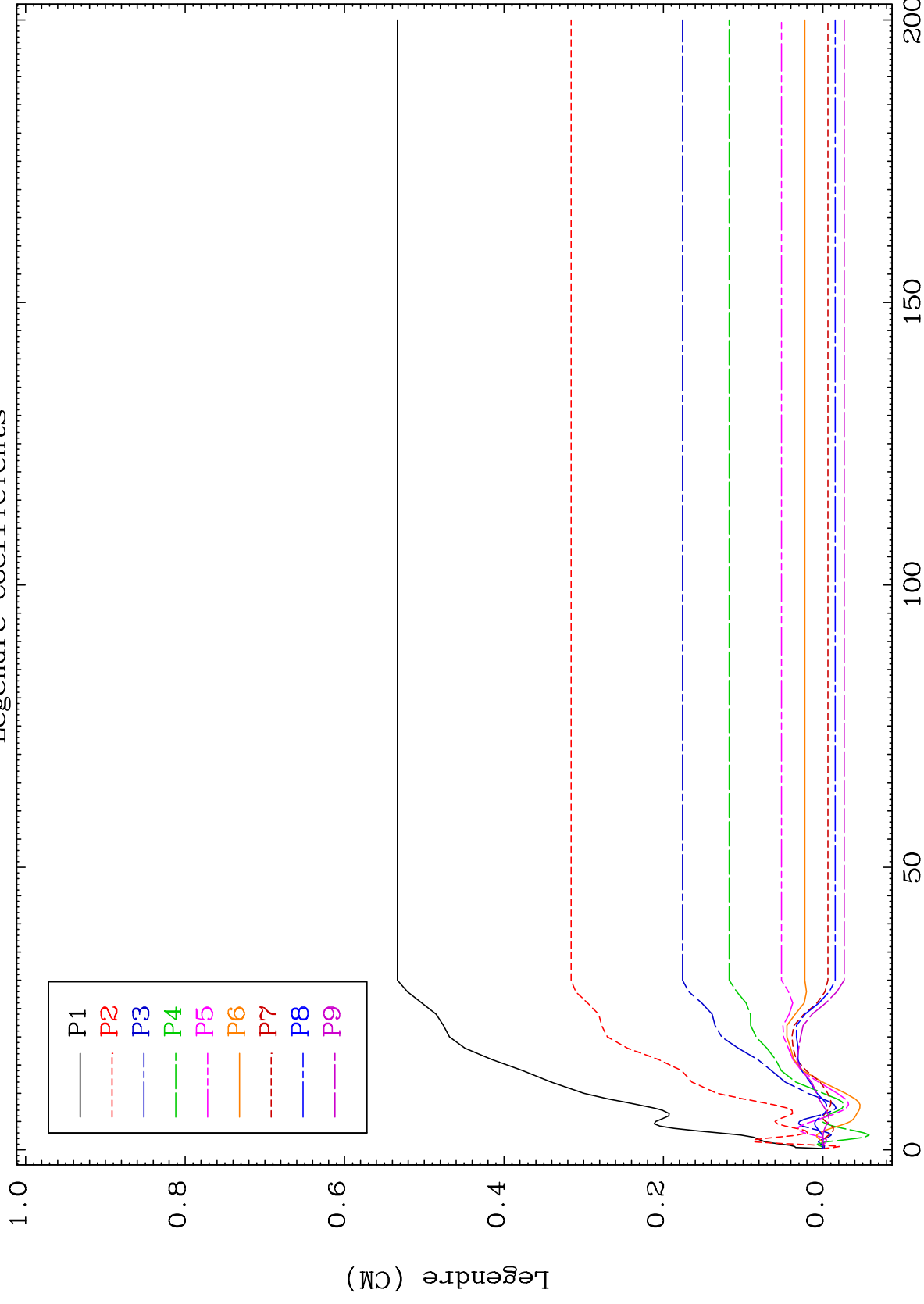
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162



70-Yb-162

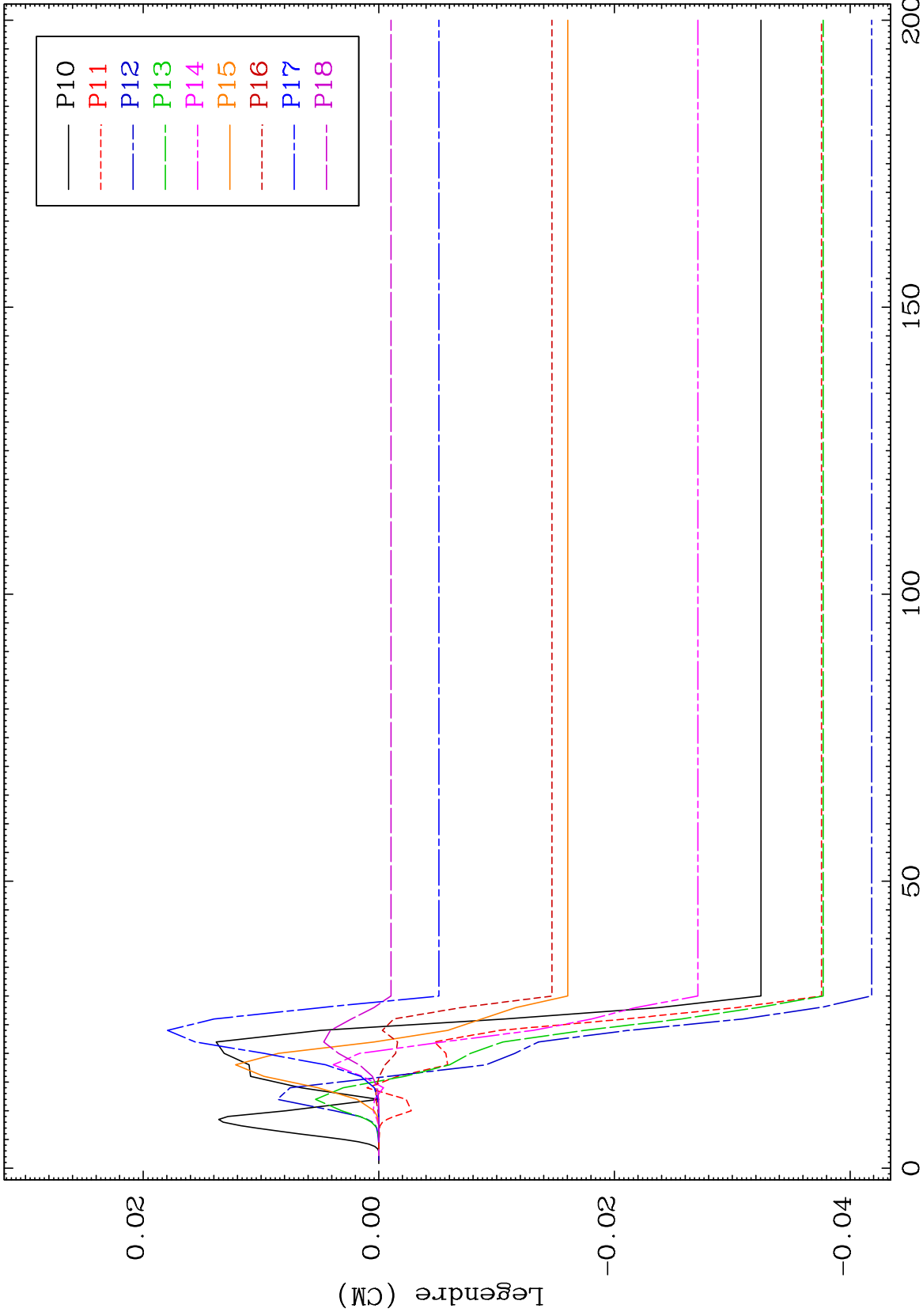
Incident Energy (MeV)

Legendre (CM)

MAT 7007

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

70-Yb-162



21

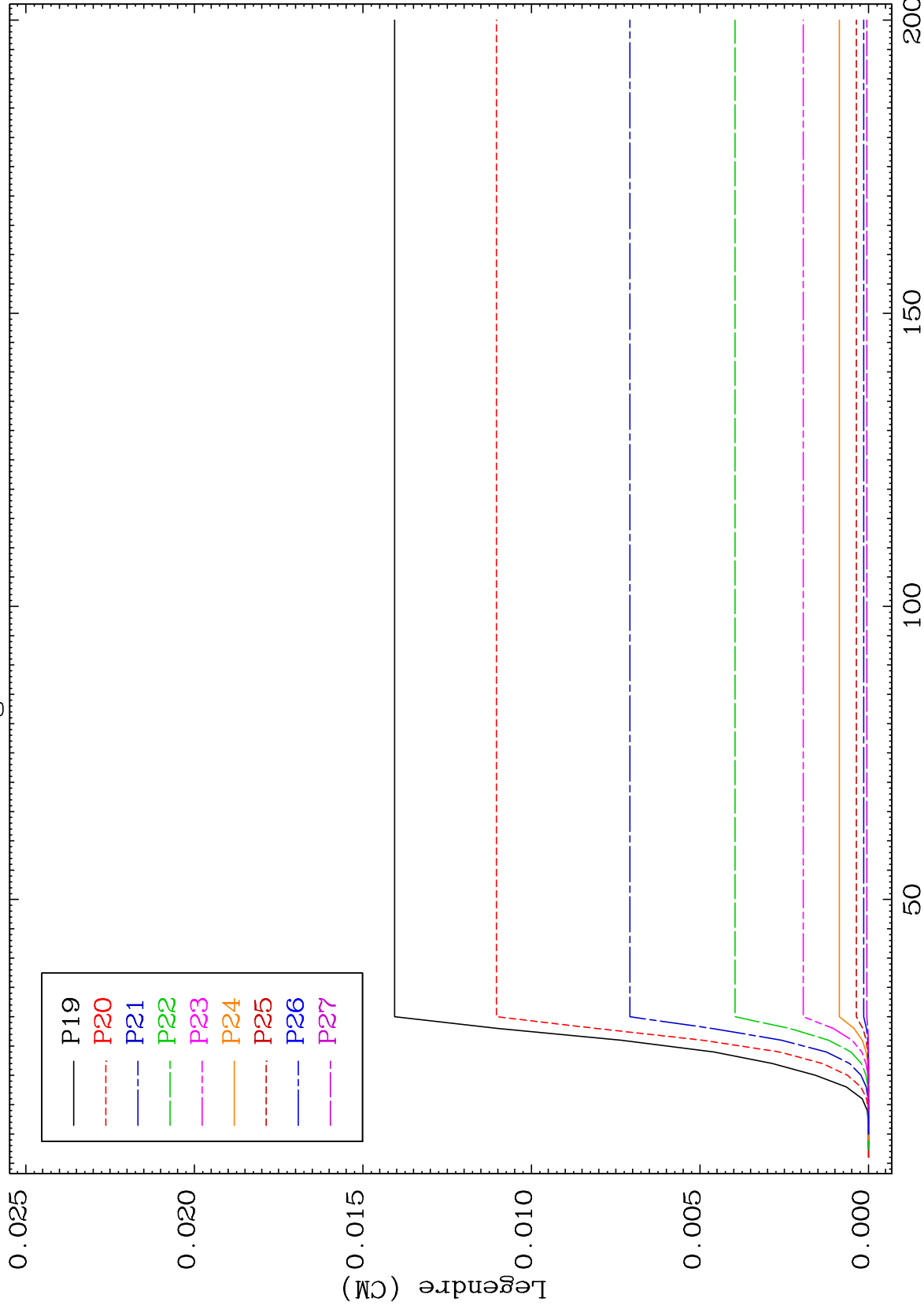
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162



22

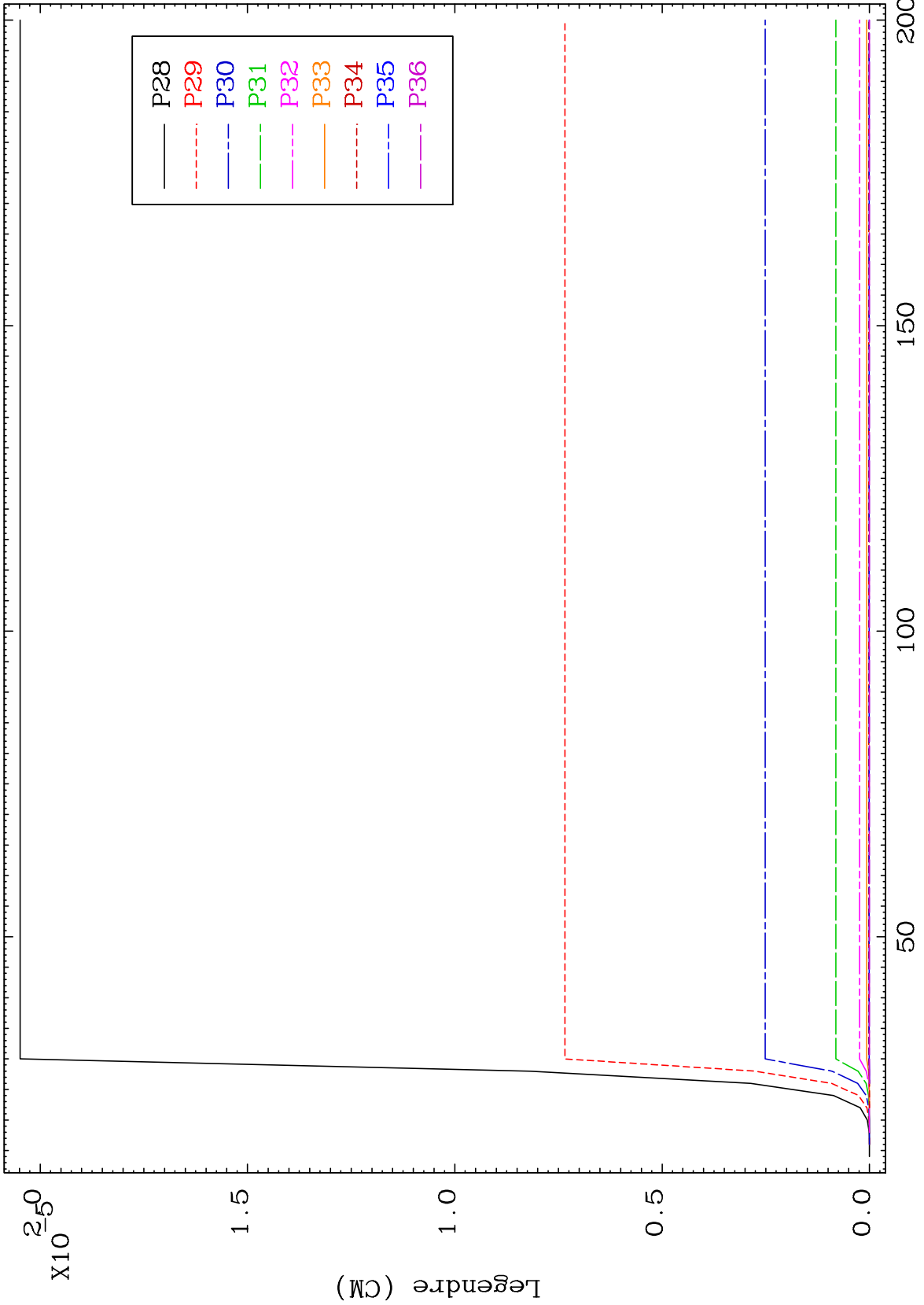
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162



23

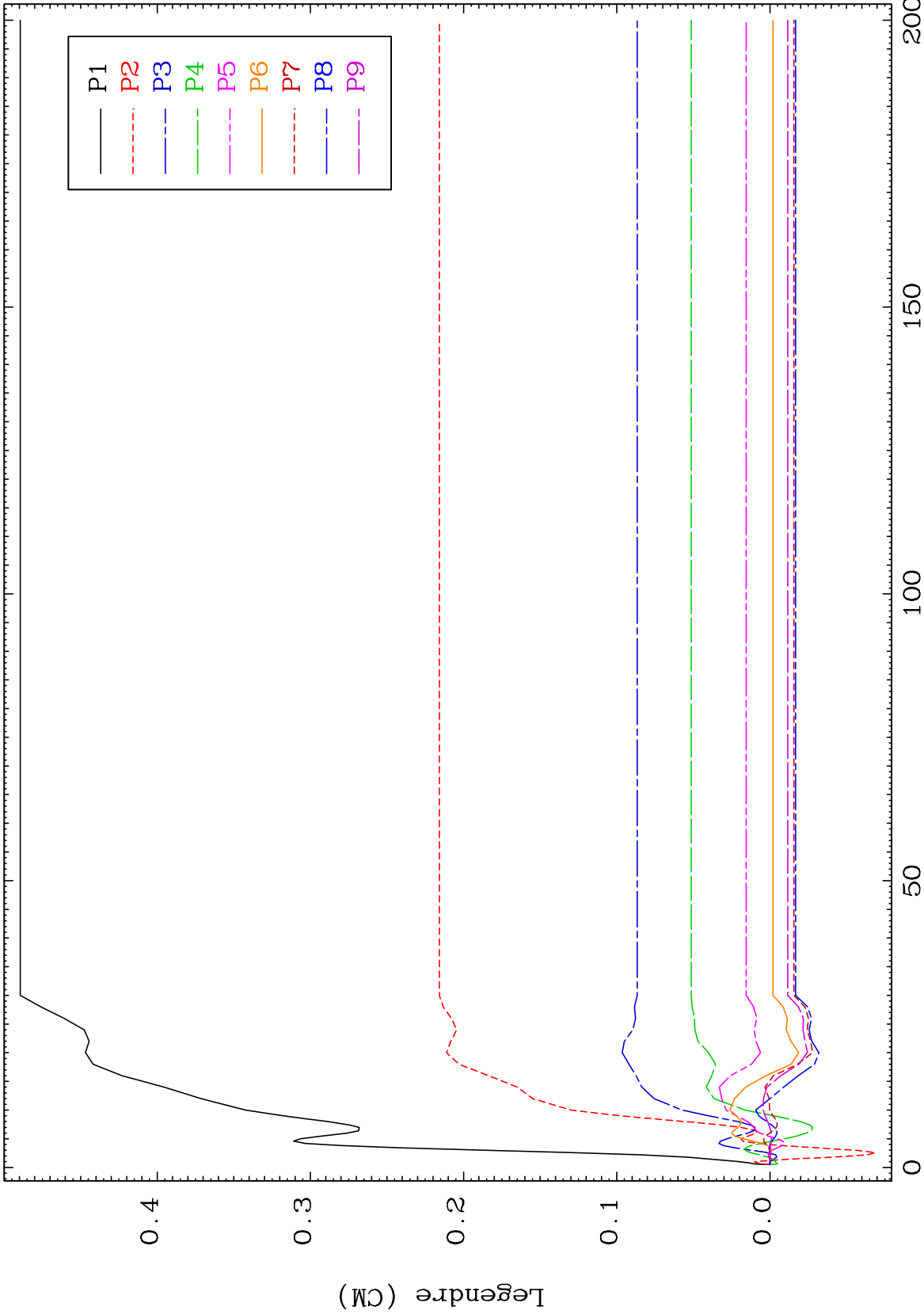
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162



24

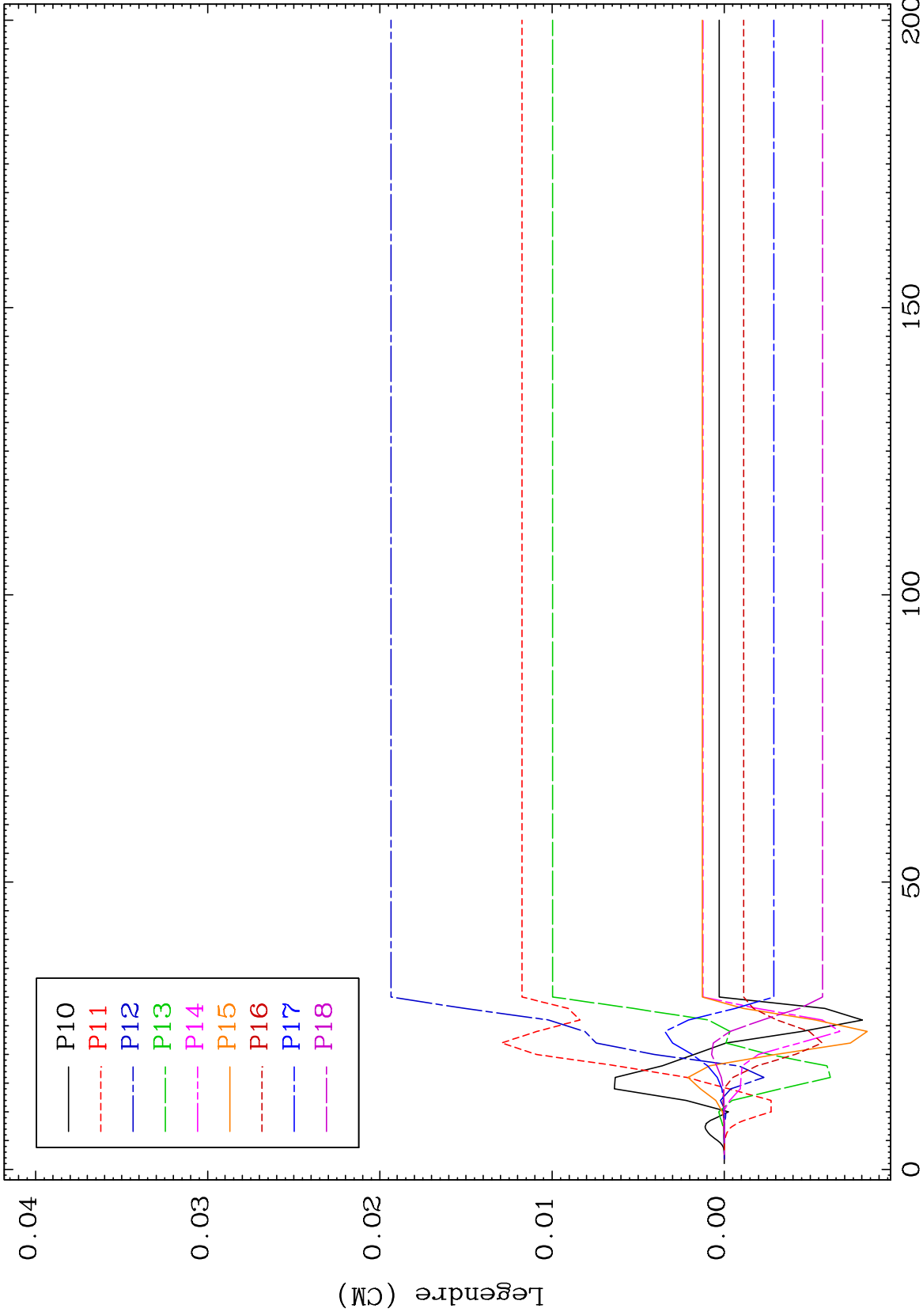
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162



25

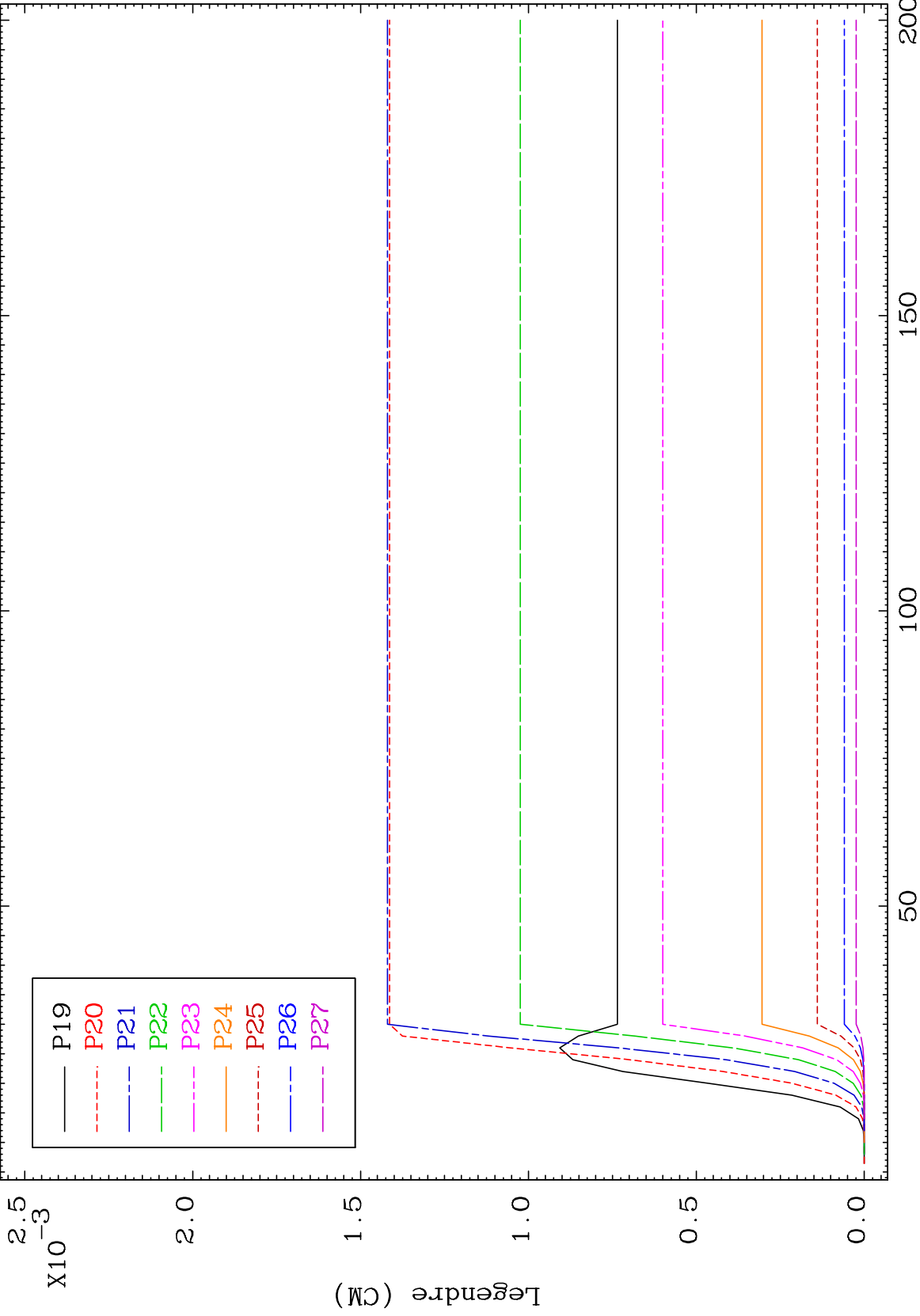
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162



26

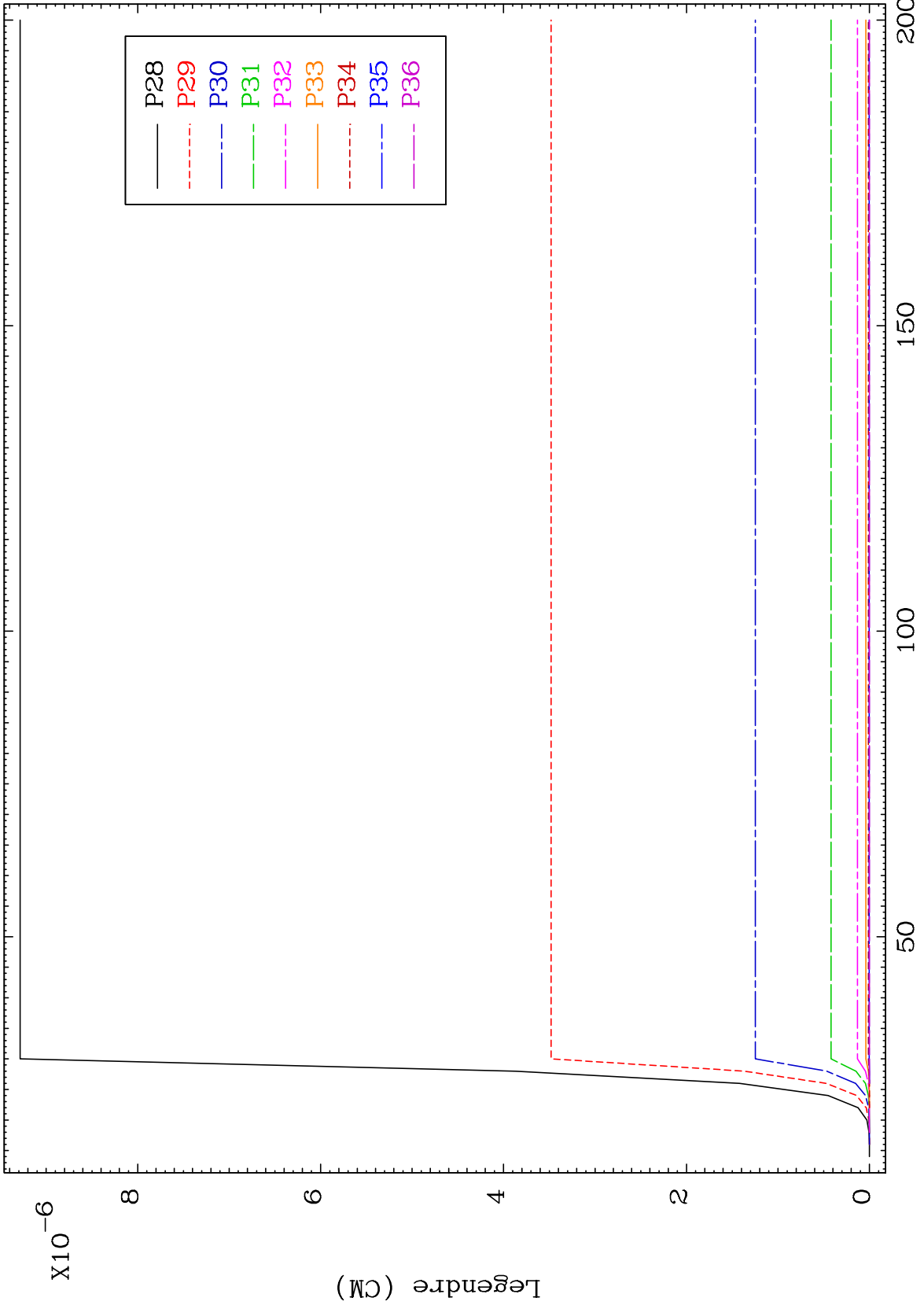
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

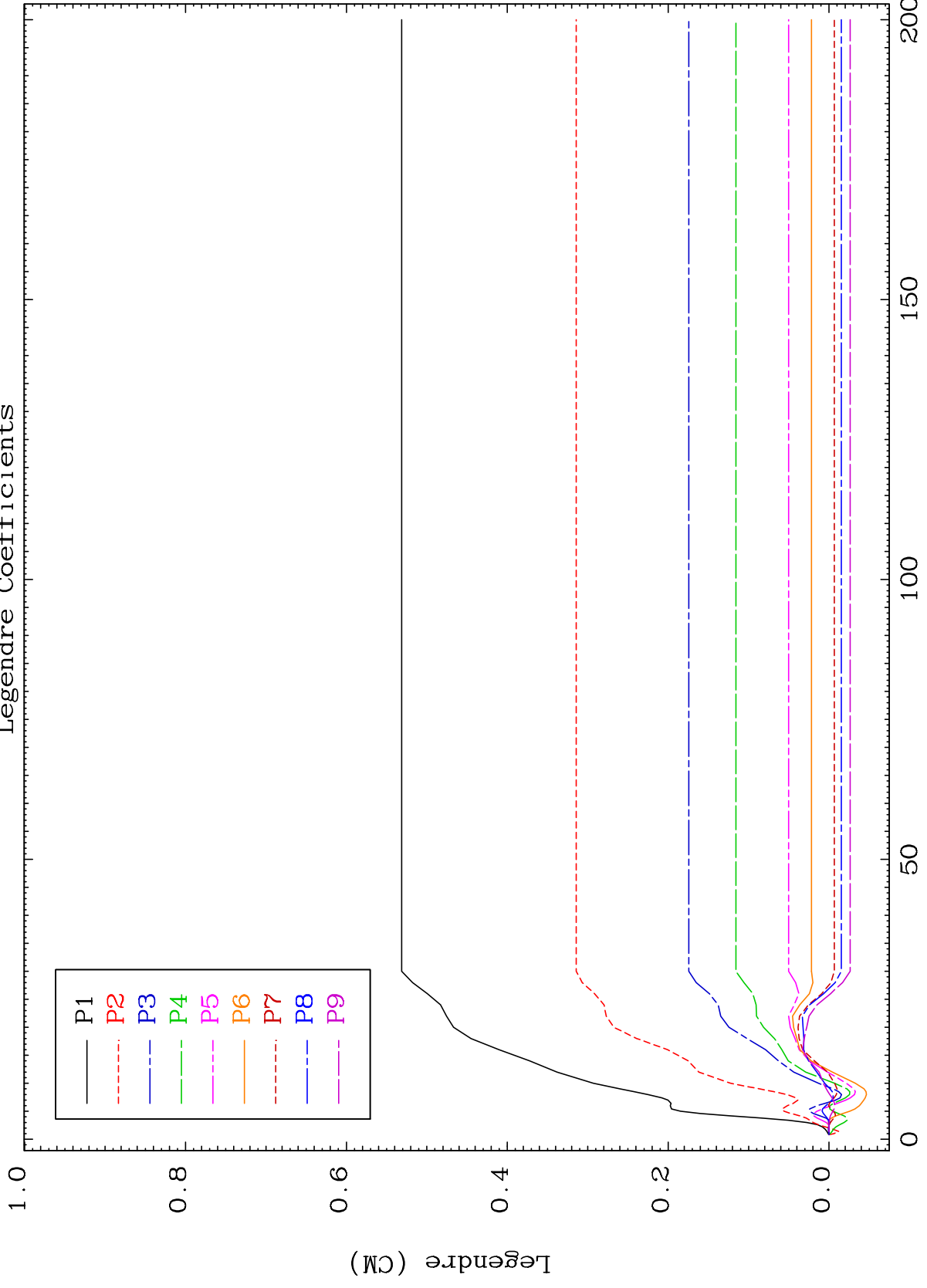
70-Yb-162



27

70-Yb-162

MAT 7007 MT= 53 (n,n') Level Legendre Coefficients 70-Yb-162

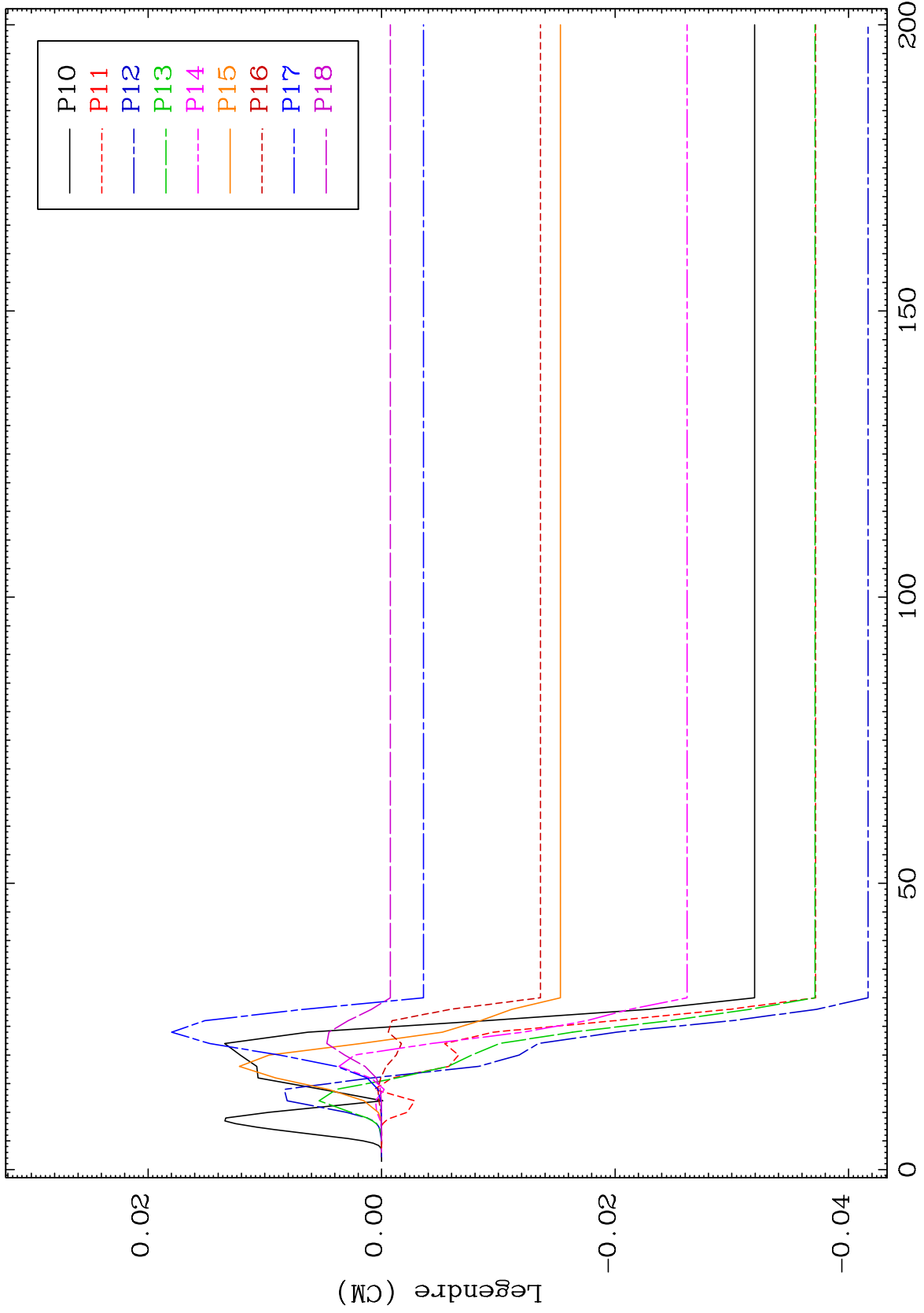


28 Incident Energy (MeV) 70-Yb-162

MAT 7007

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

70-Yb-162



29

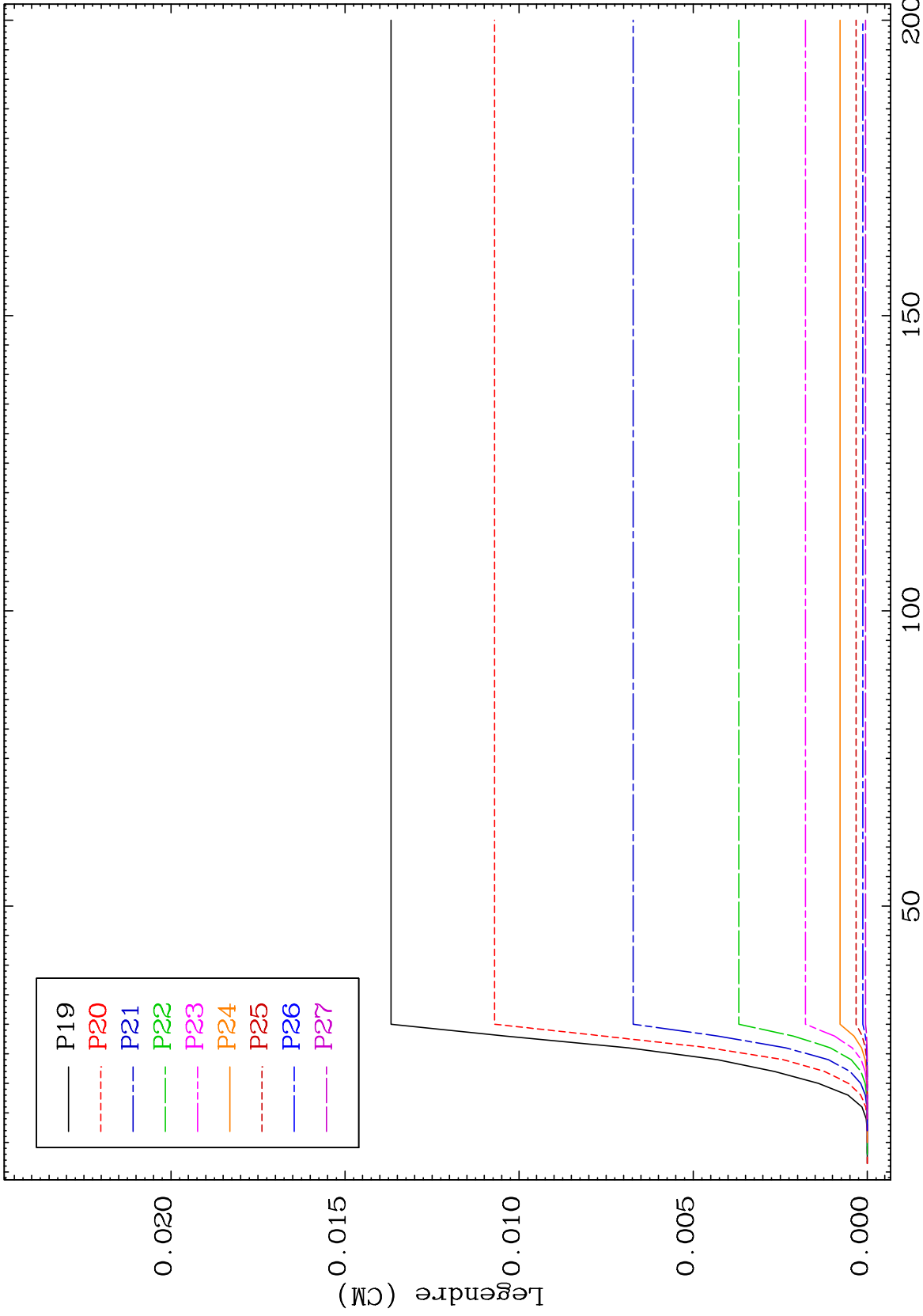
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162



30

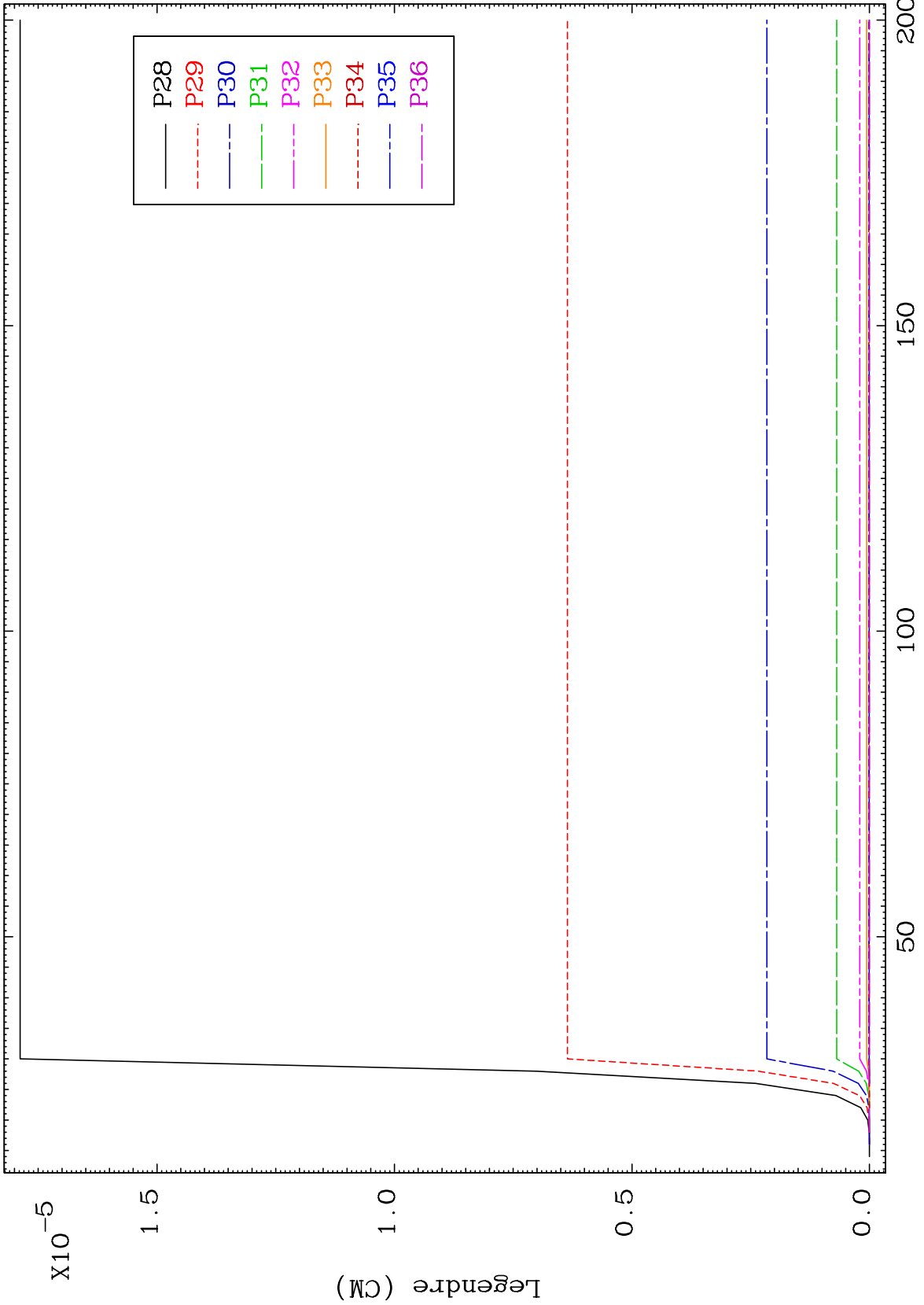
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162



31

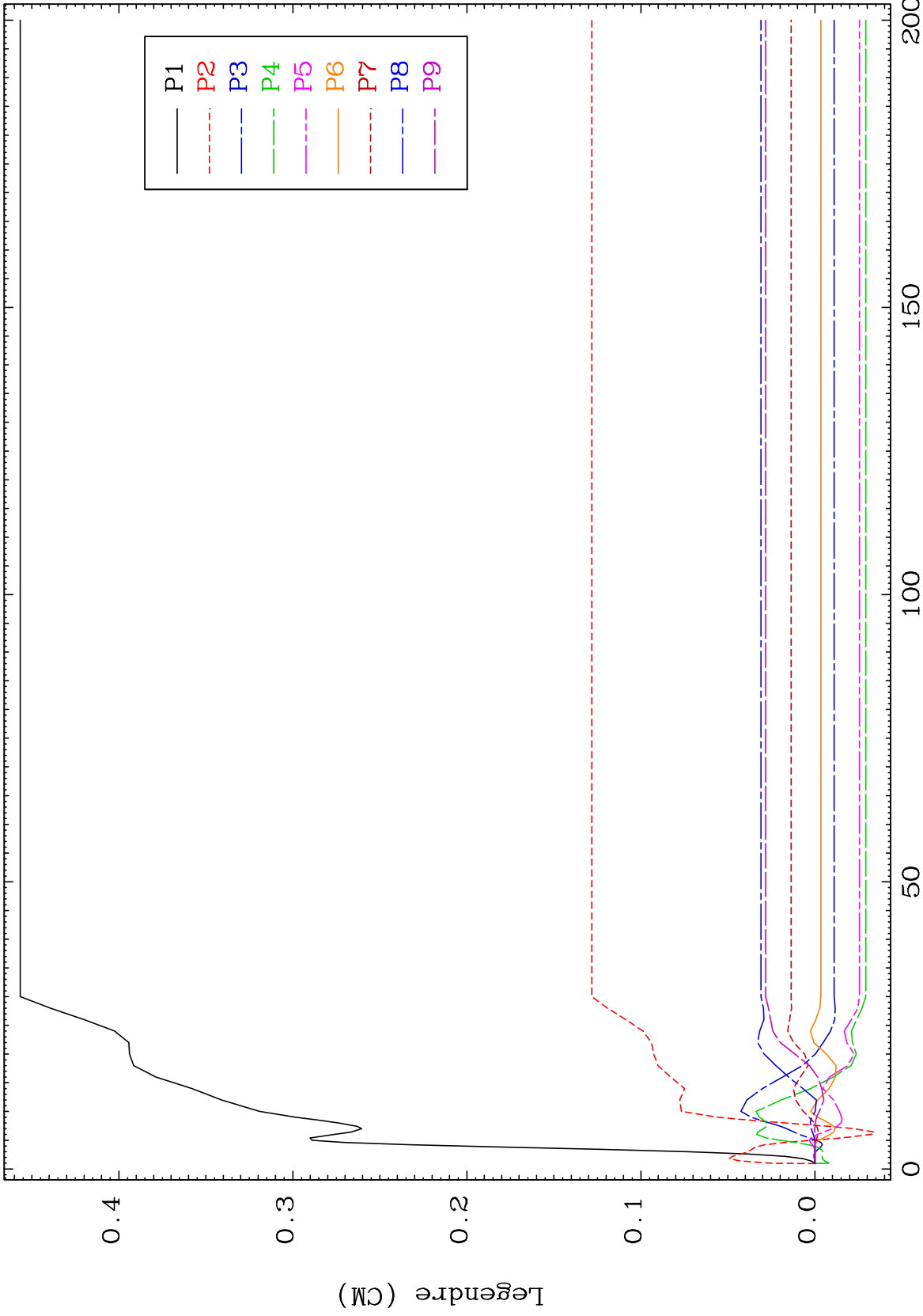
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162



32

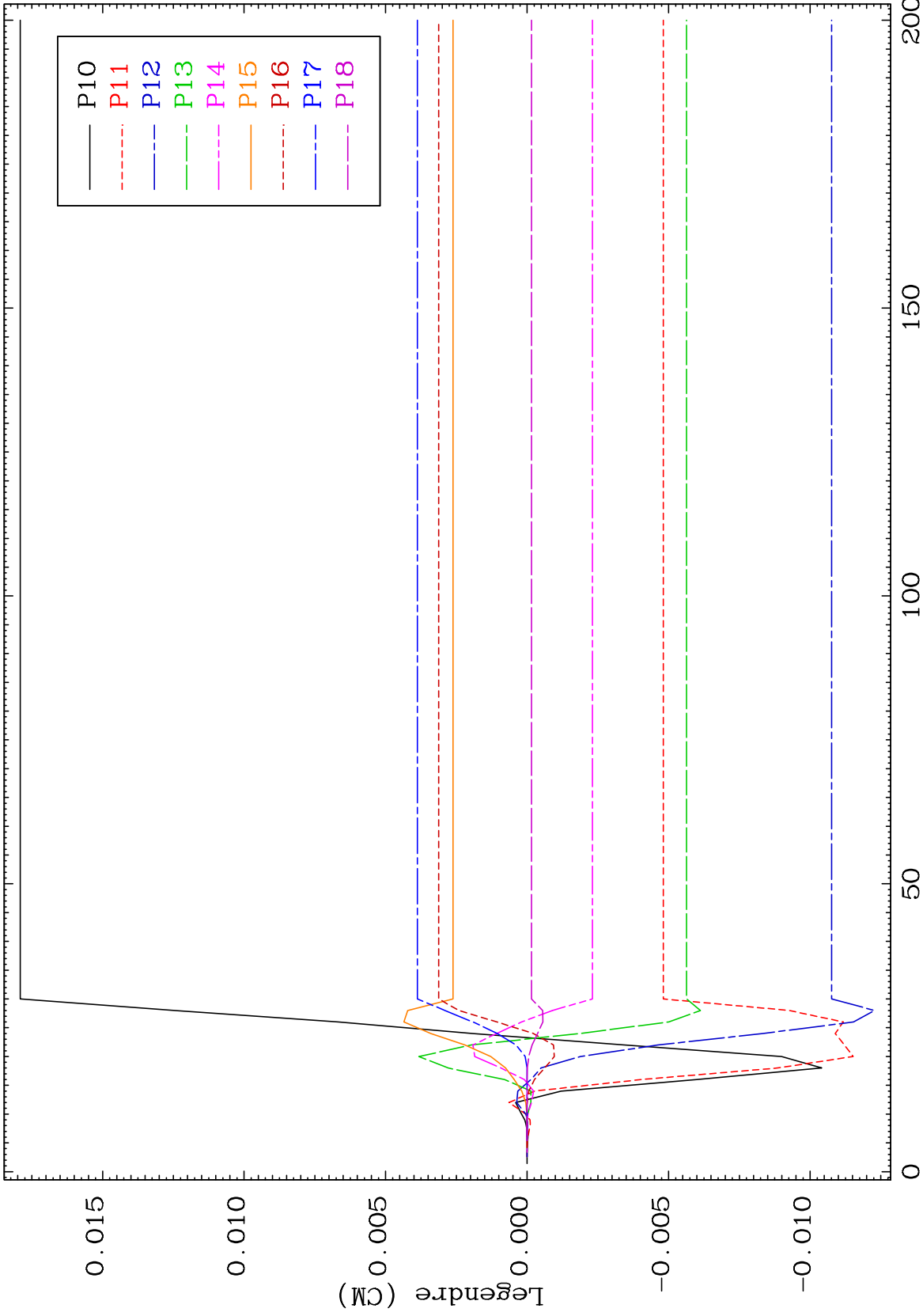
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162

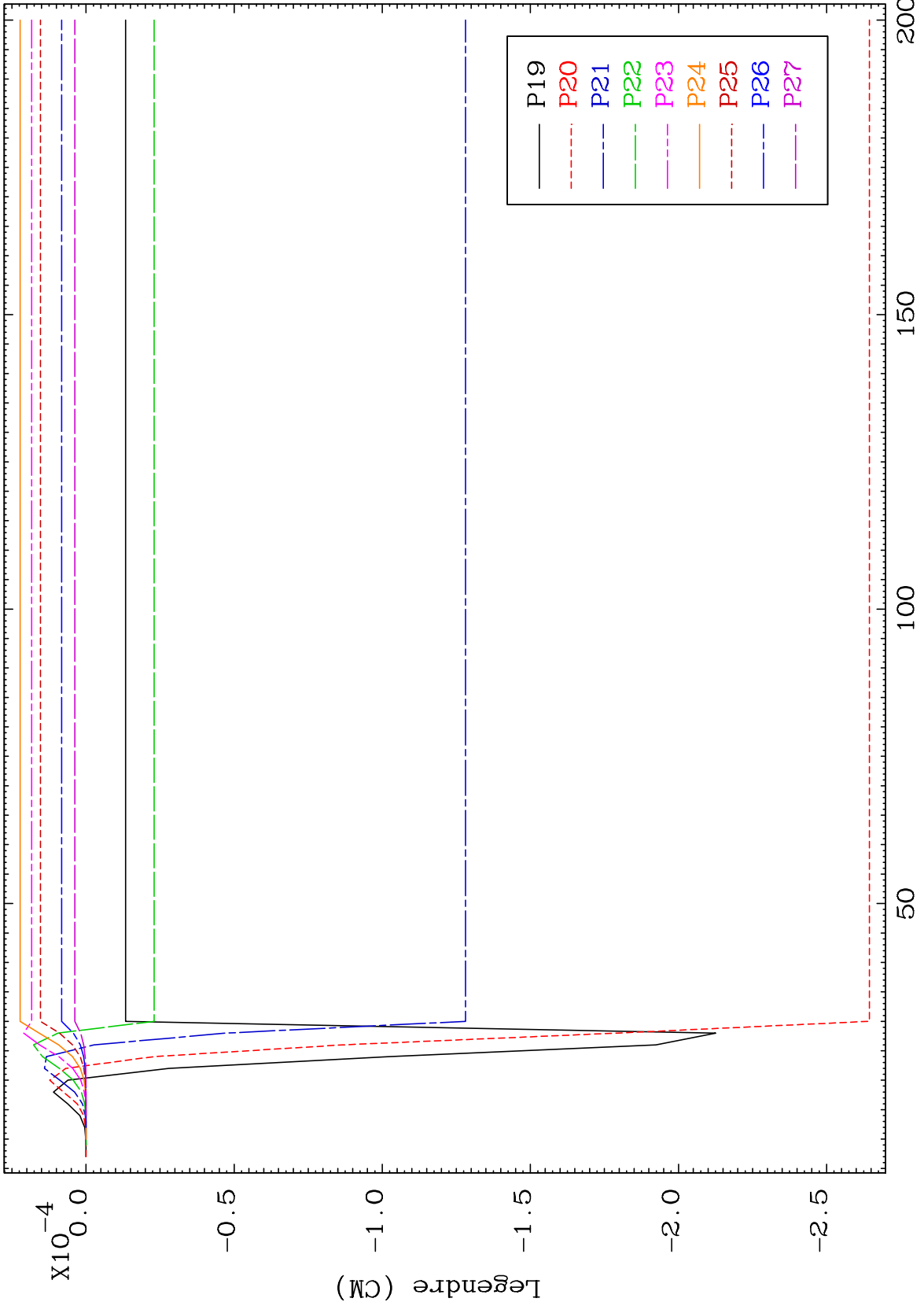


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Incident Energy (MeV)

70-Yb-162

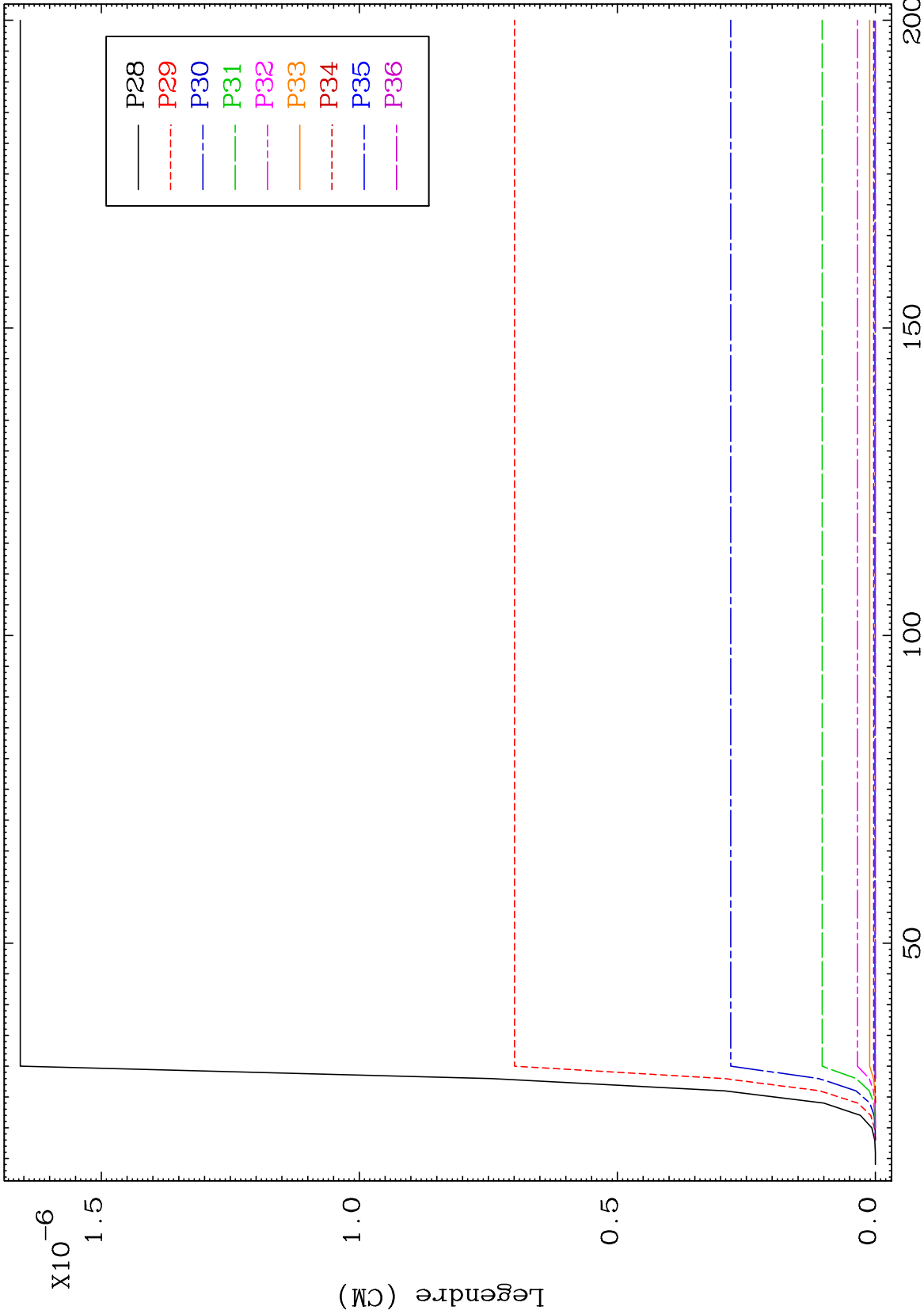
MAT 7007 MT= 54 (n,n') Level Legendre Coefficients 70-Yb-162



MAT 7007

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

70-Yb-162

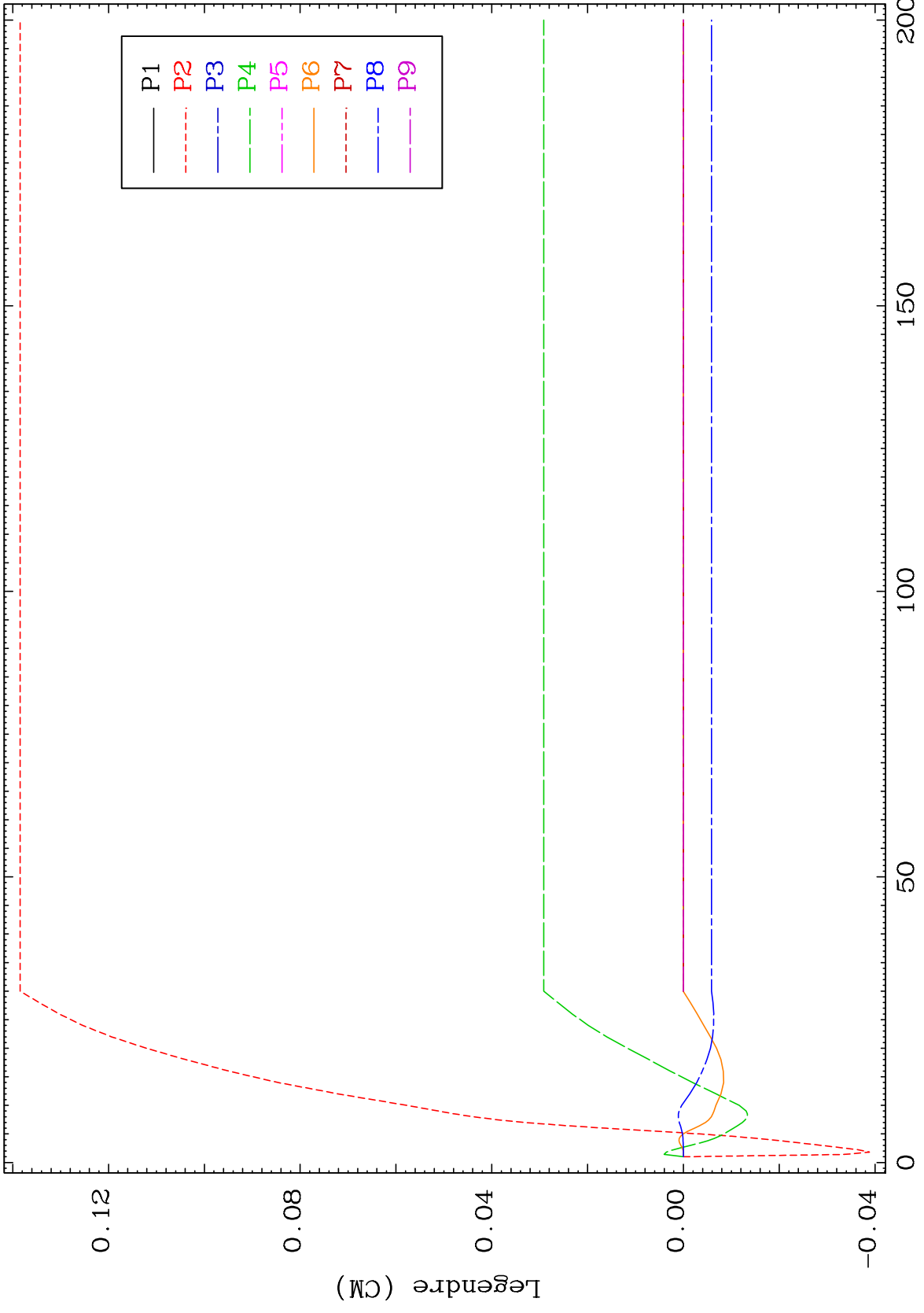


35

Incident Energy (MeV)

70-Yb-162

MAT 7007 MT= 55 (n,n') Level Legendre Coefficients 70-Yb-162

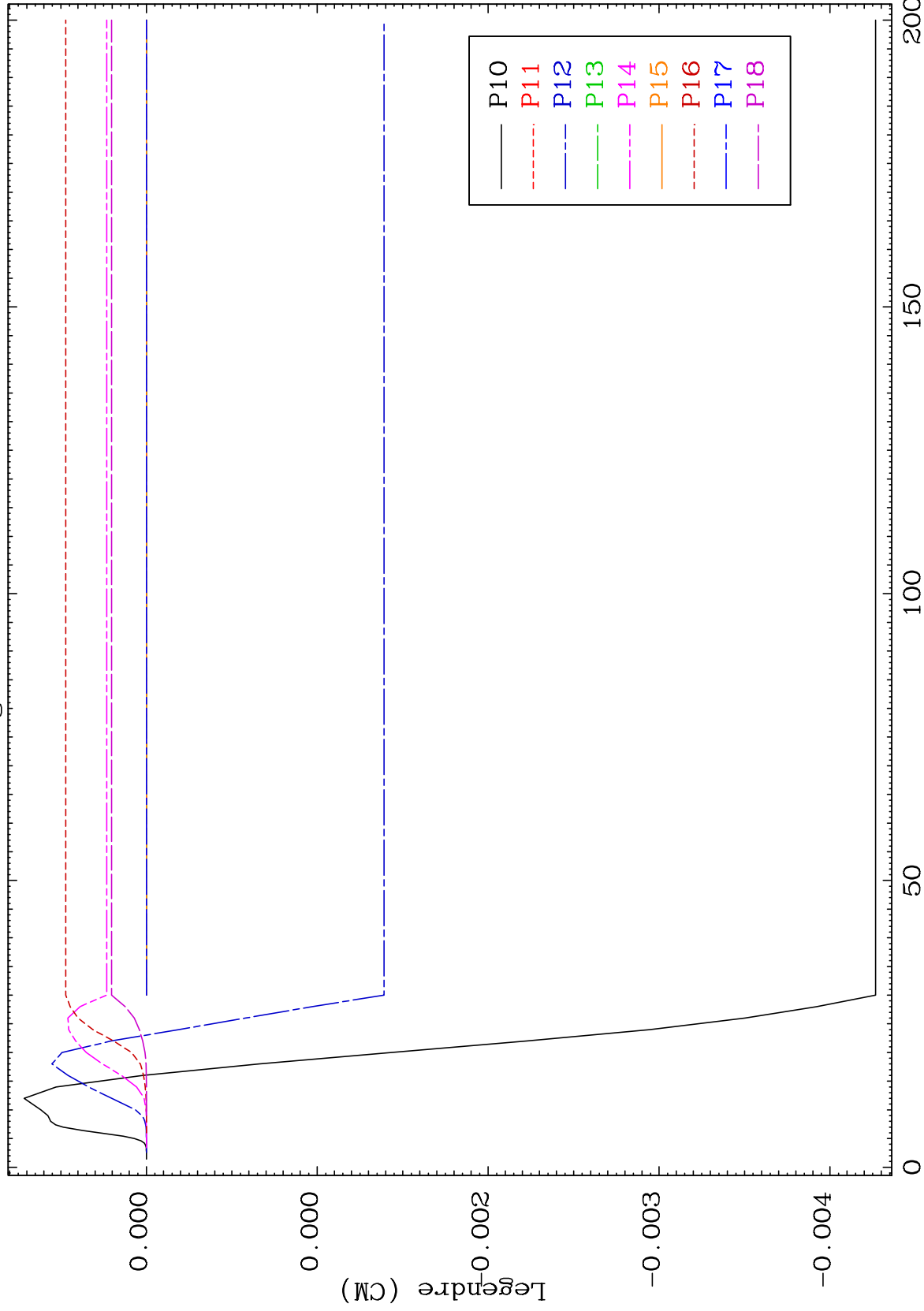


36 70-Yb-162

MAT 7007

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

70-Yb-162

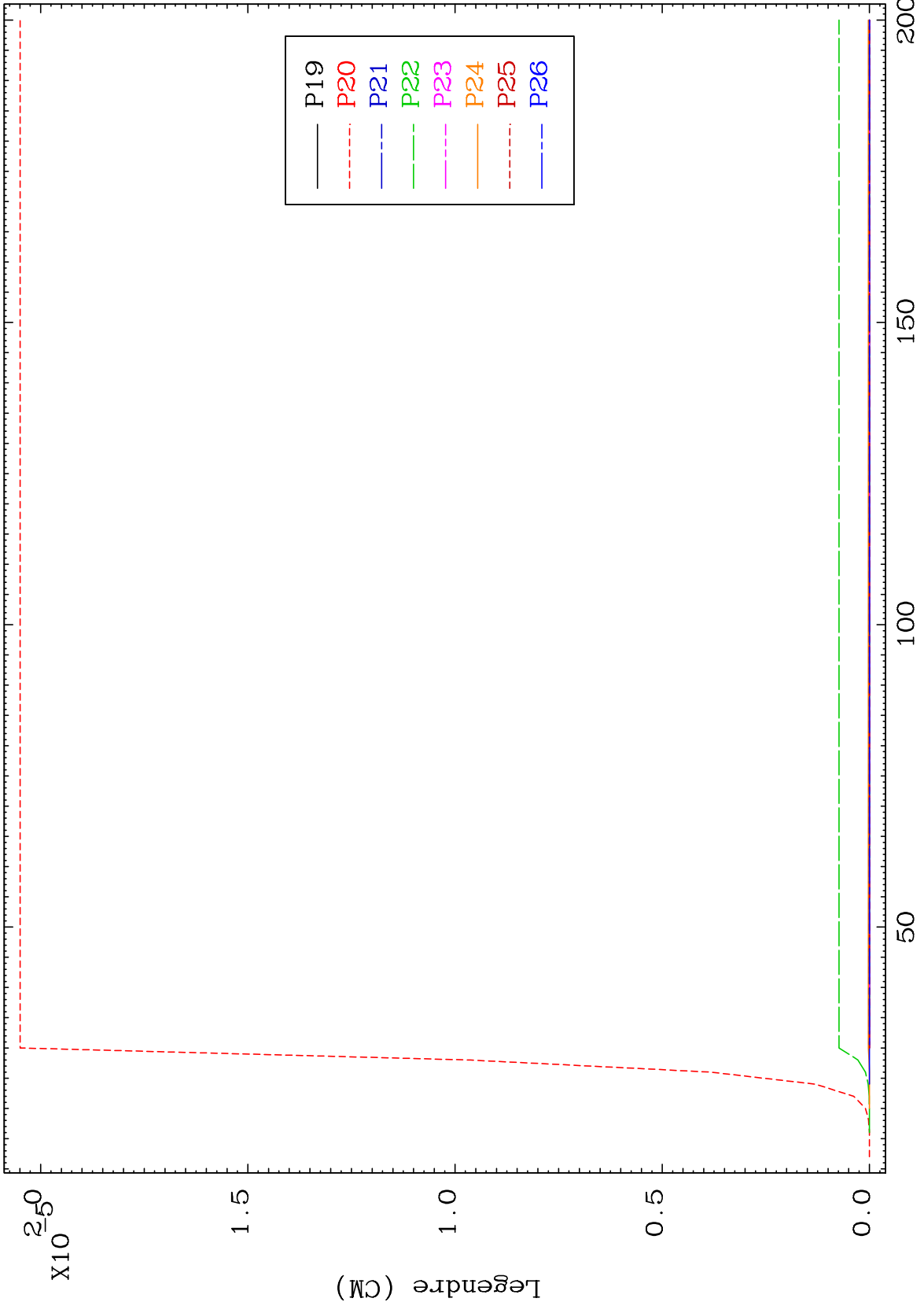


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Incident Energy (MeV)

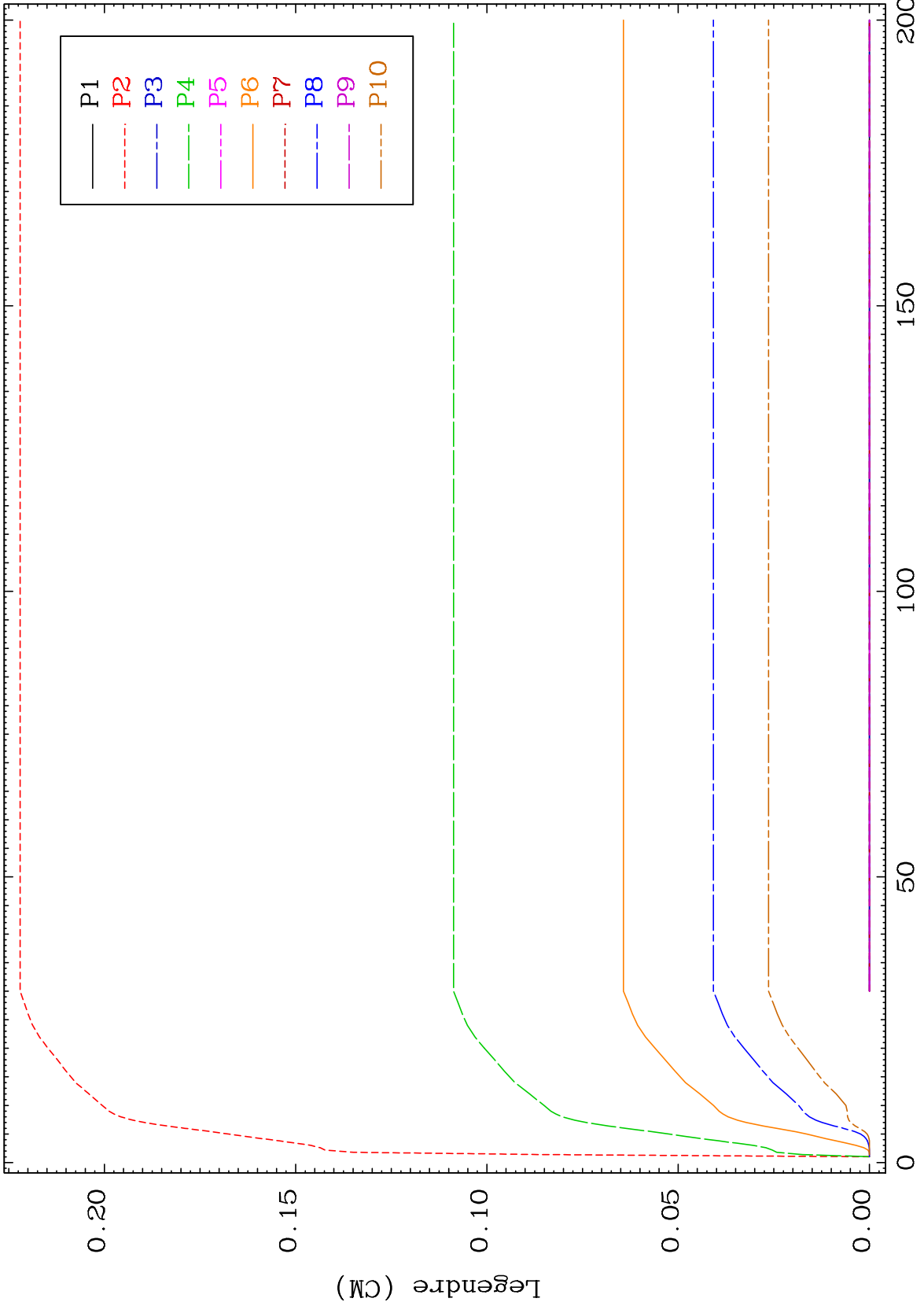
70-Yb-162

MAT 7007 MT= 55 (n,n') Level Legendre Coefficients 70-Yb-162



38 Incident Energy (MeV) 70-Yb-162

MAT 7007 MT= 56 (n,n') Level Legendre Coefficients 70-Yb-162

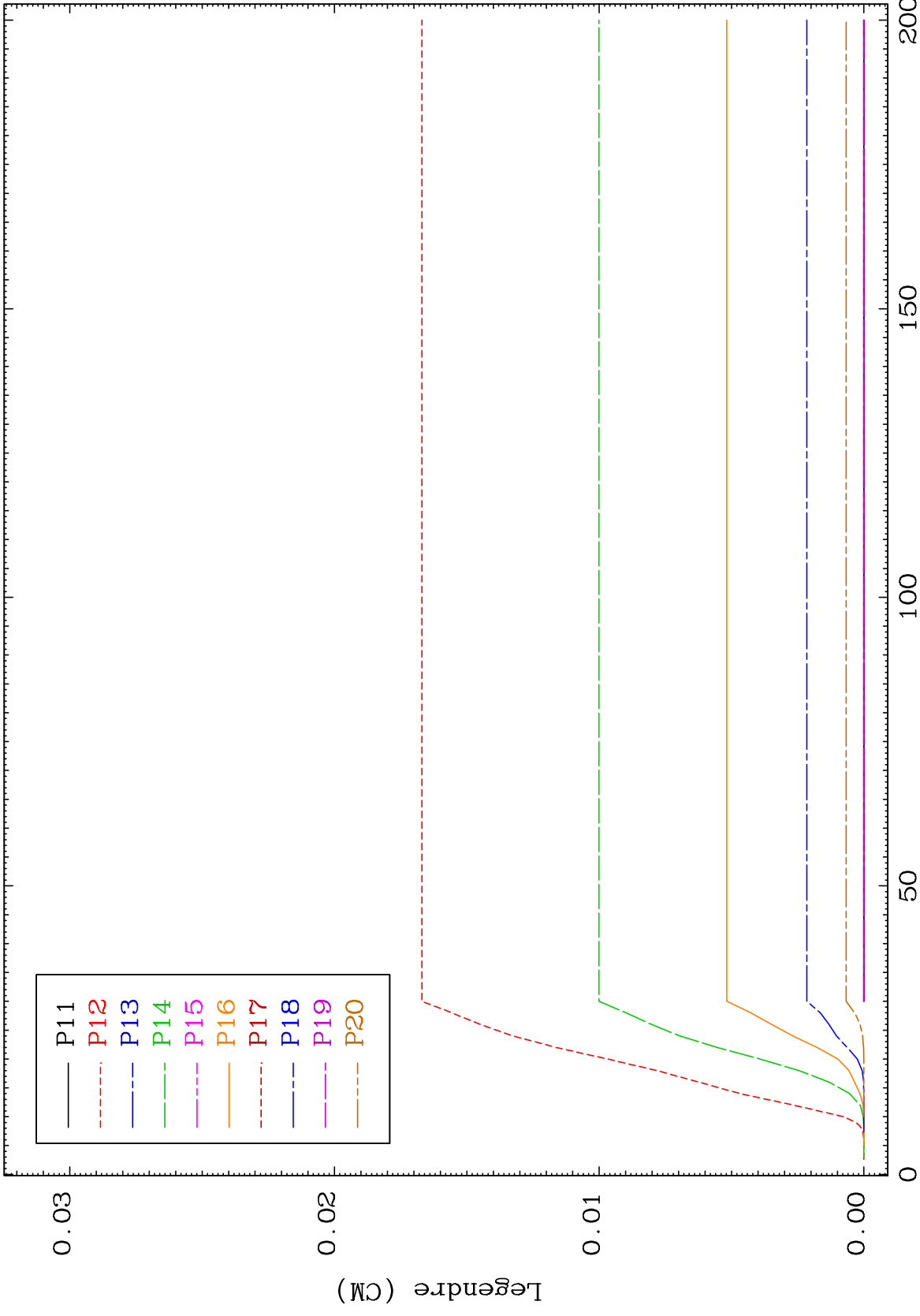


39 Incident Energy (MeV) 70-Yb-162

MAT 7007

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

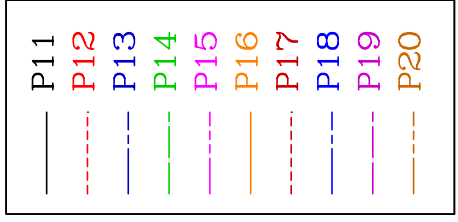
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40

Incident Energy (MeV)

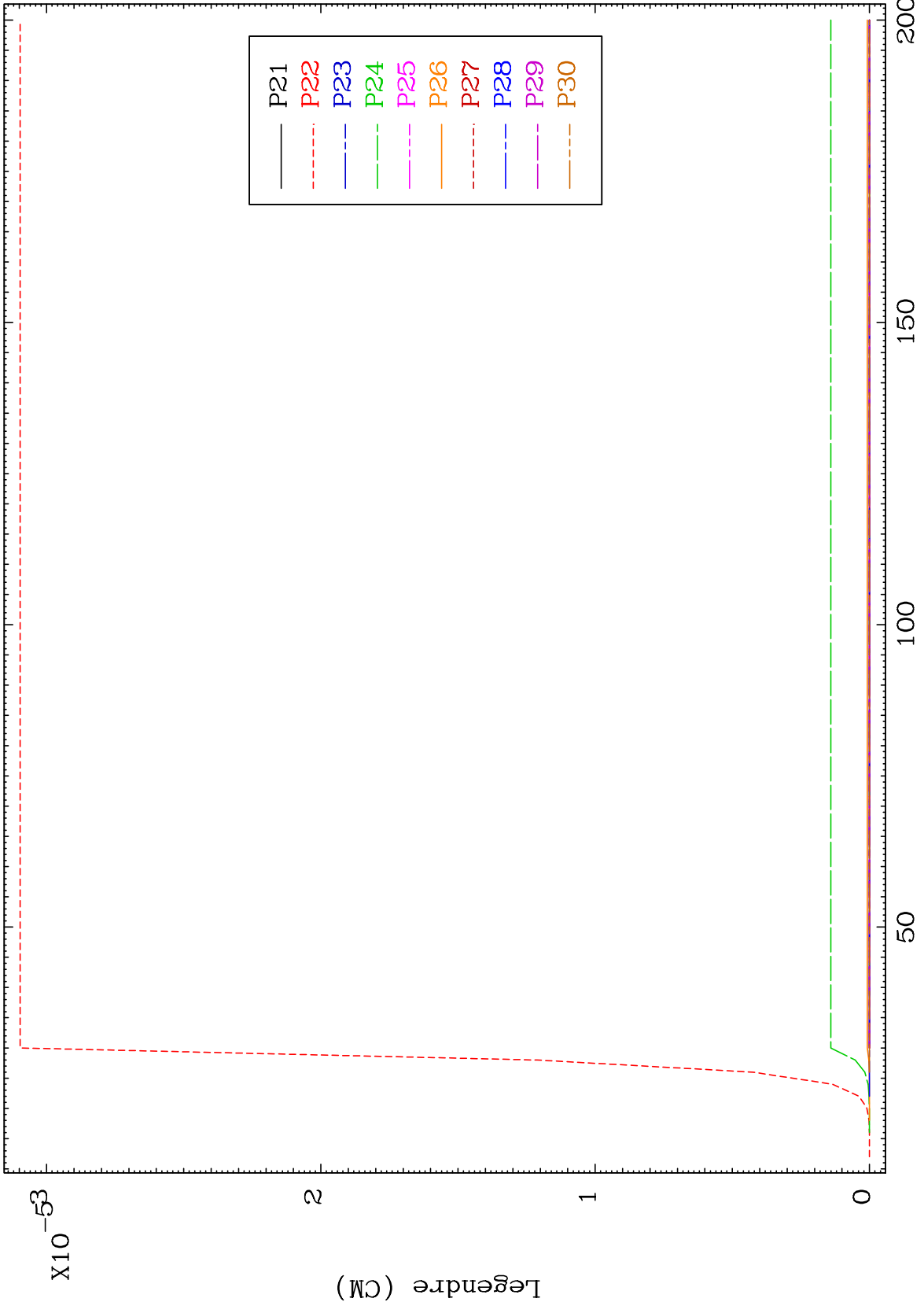
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MAT 7007

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

70-Yb-162



41

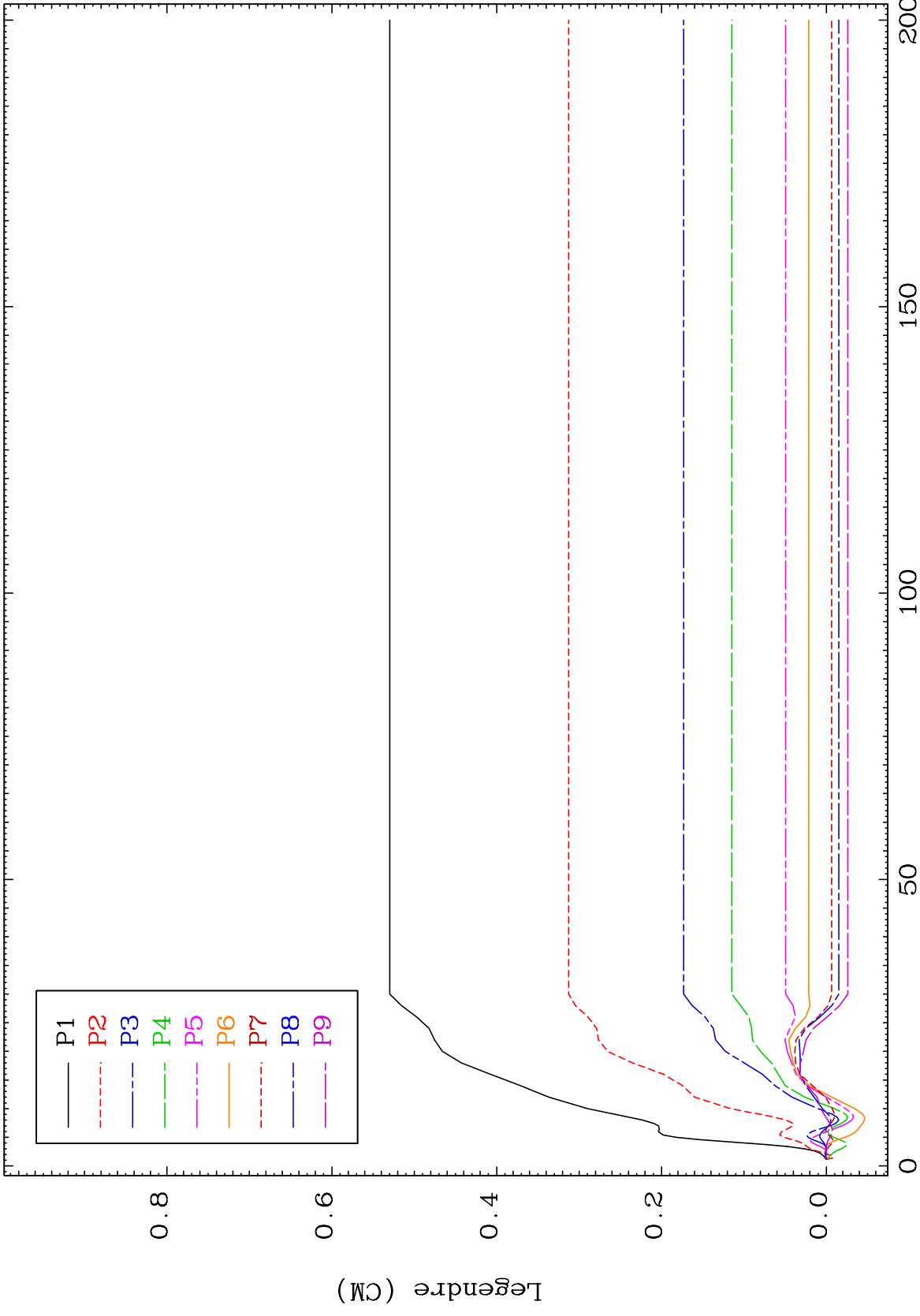
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162



42

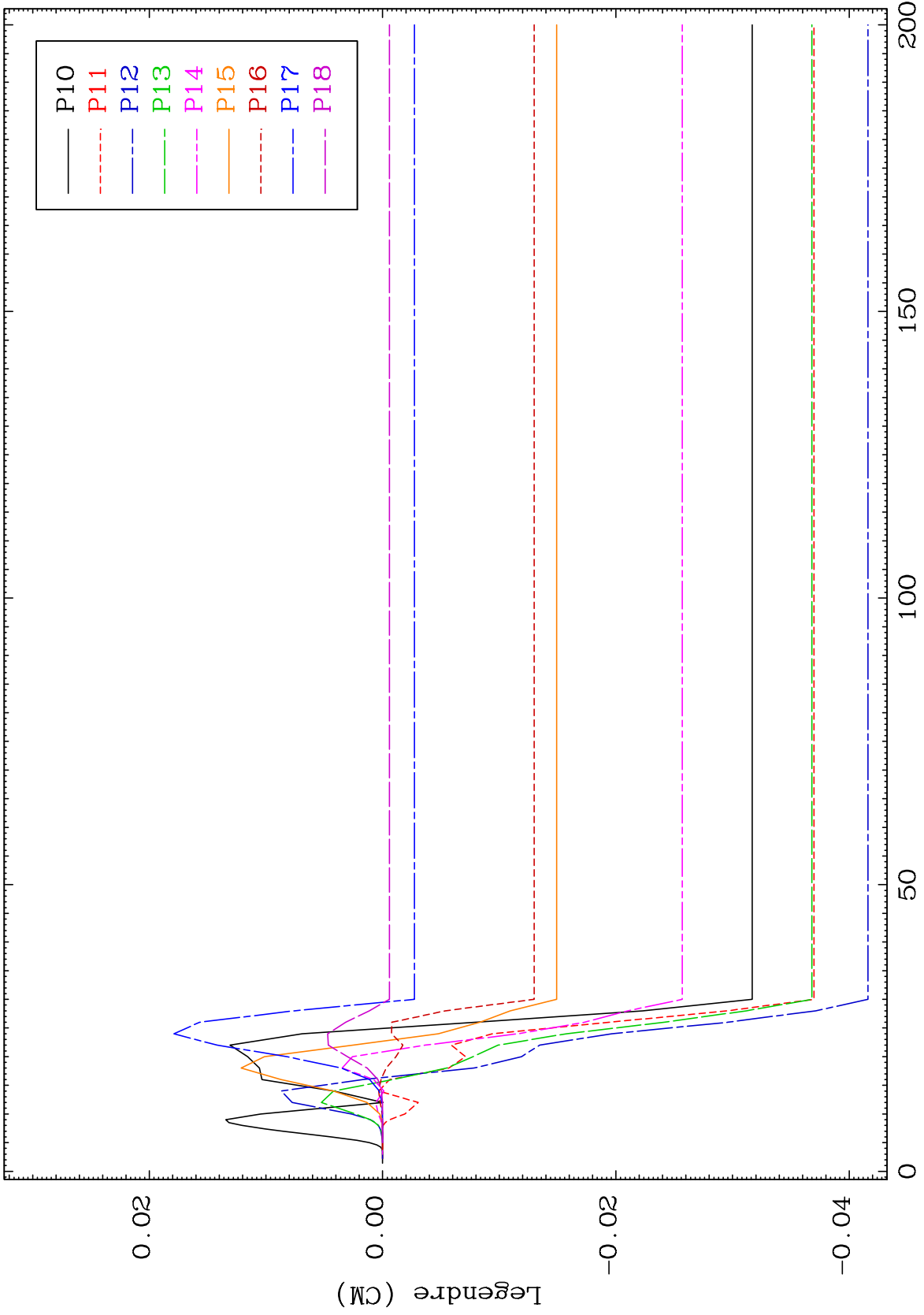
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162



43

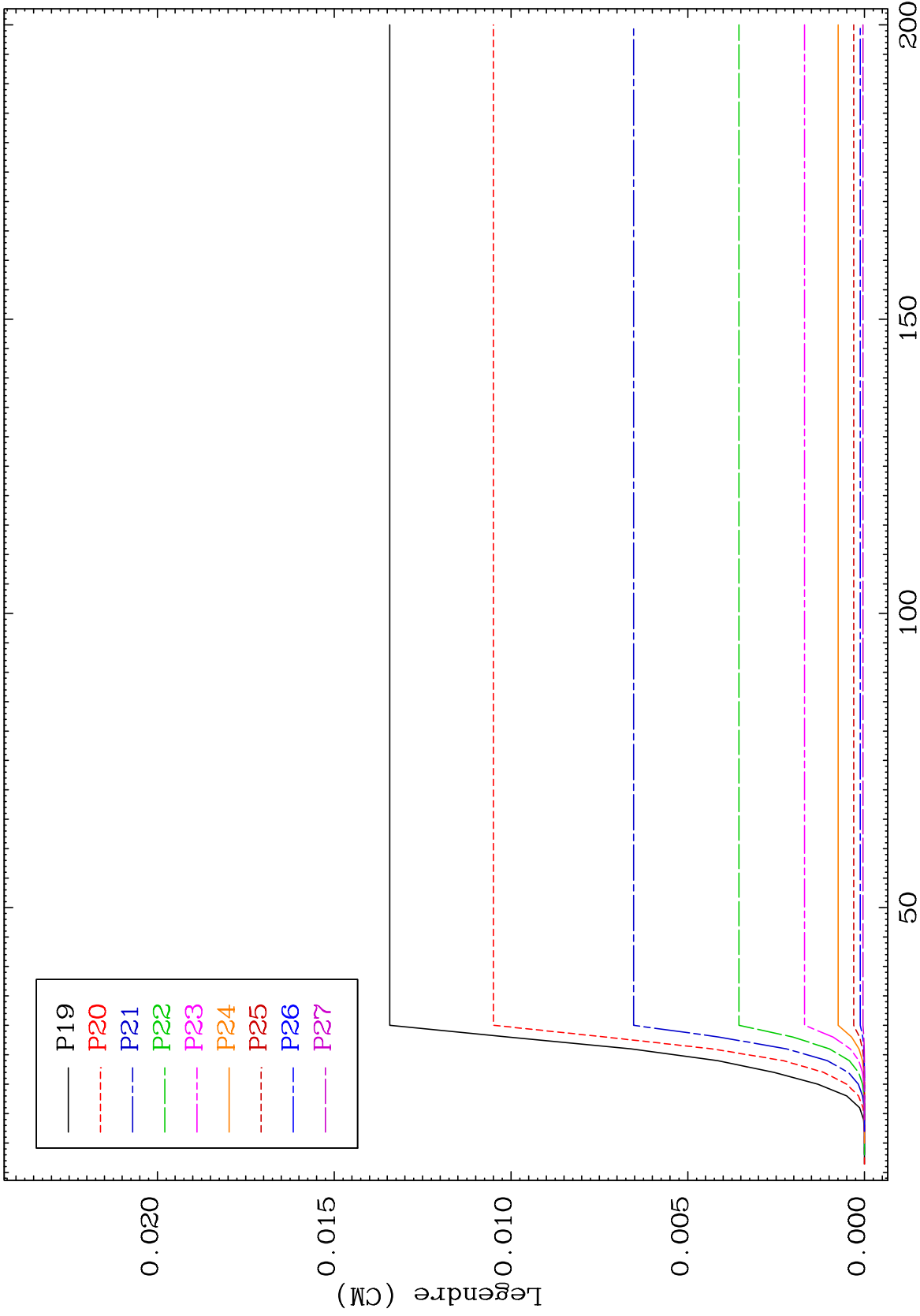
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162



44

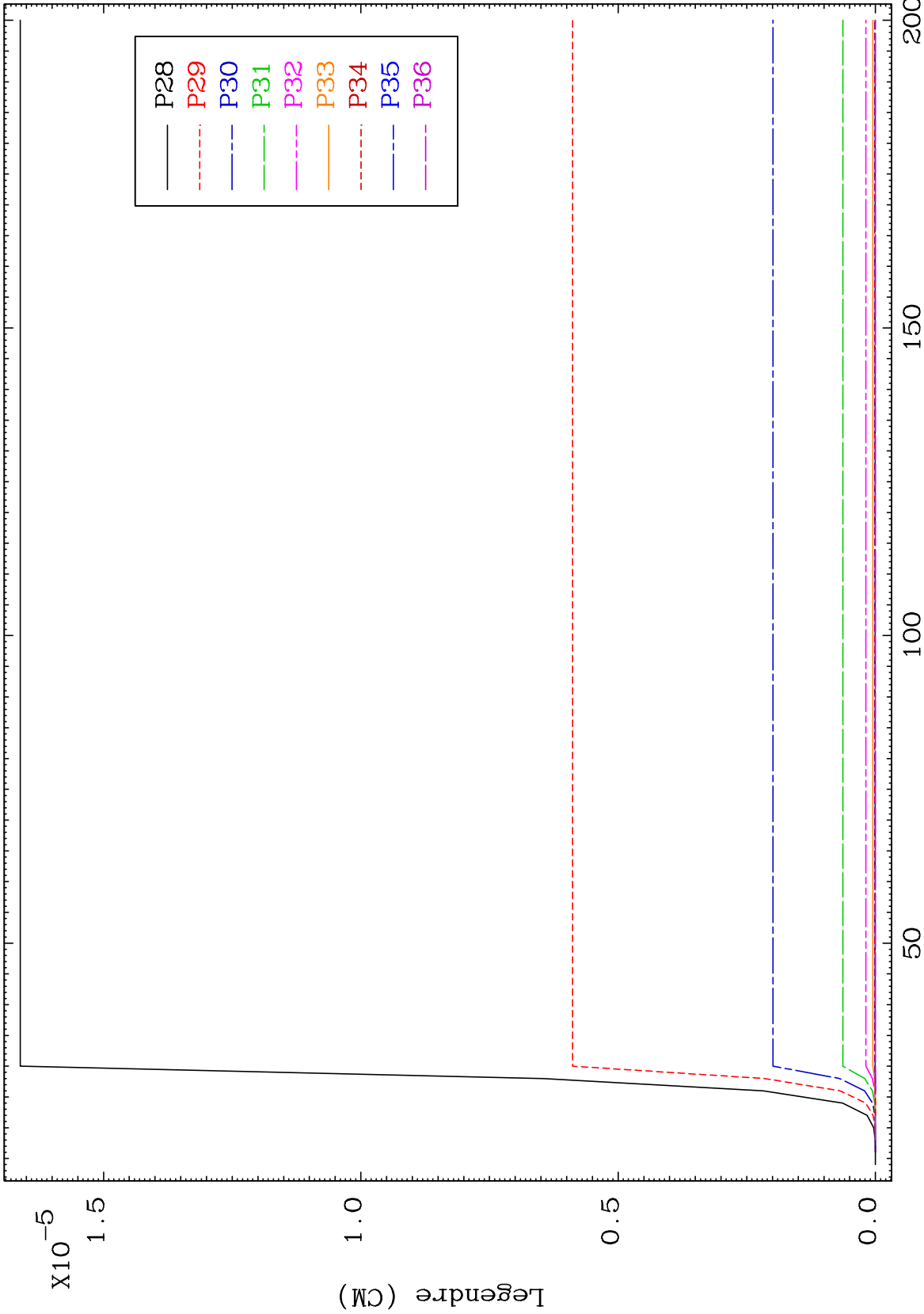
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162



45

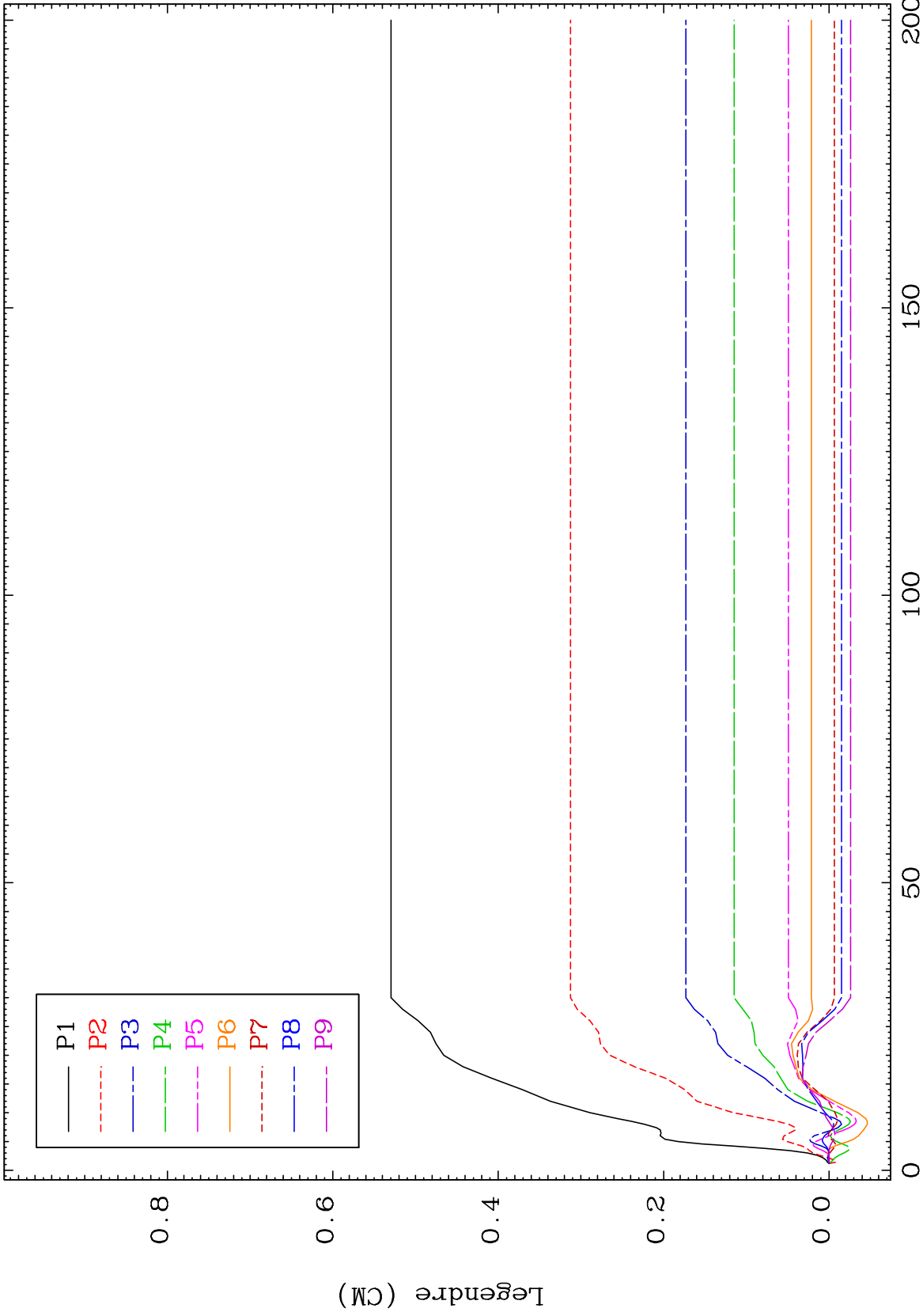
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162



46

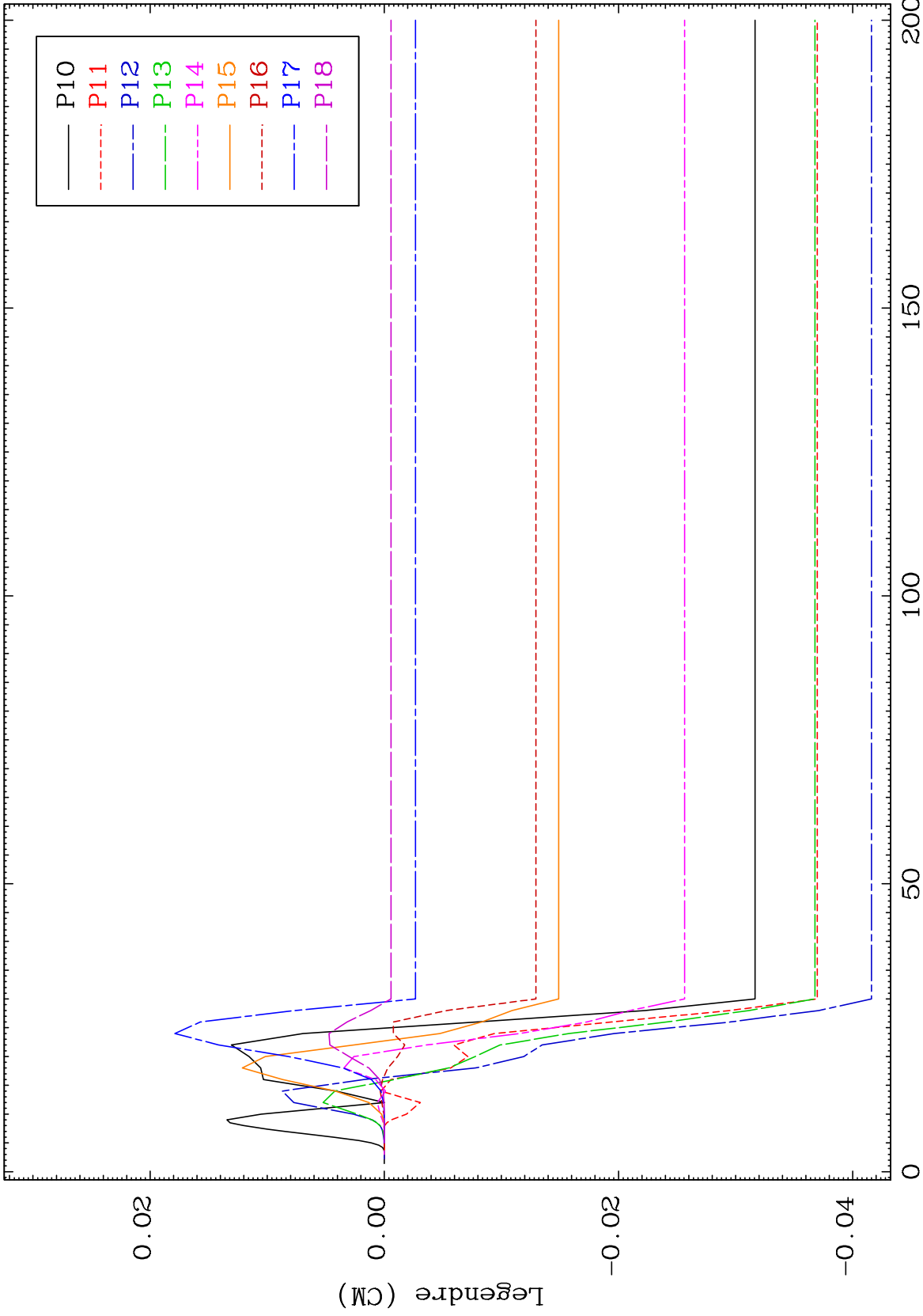
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162



47

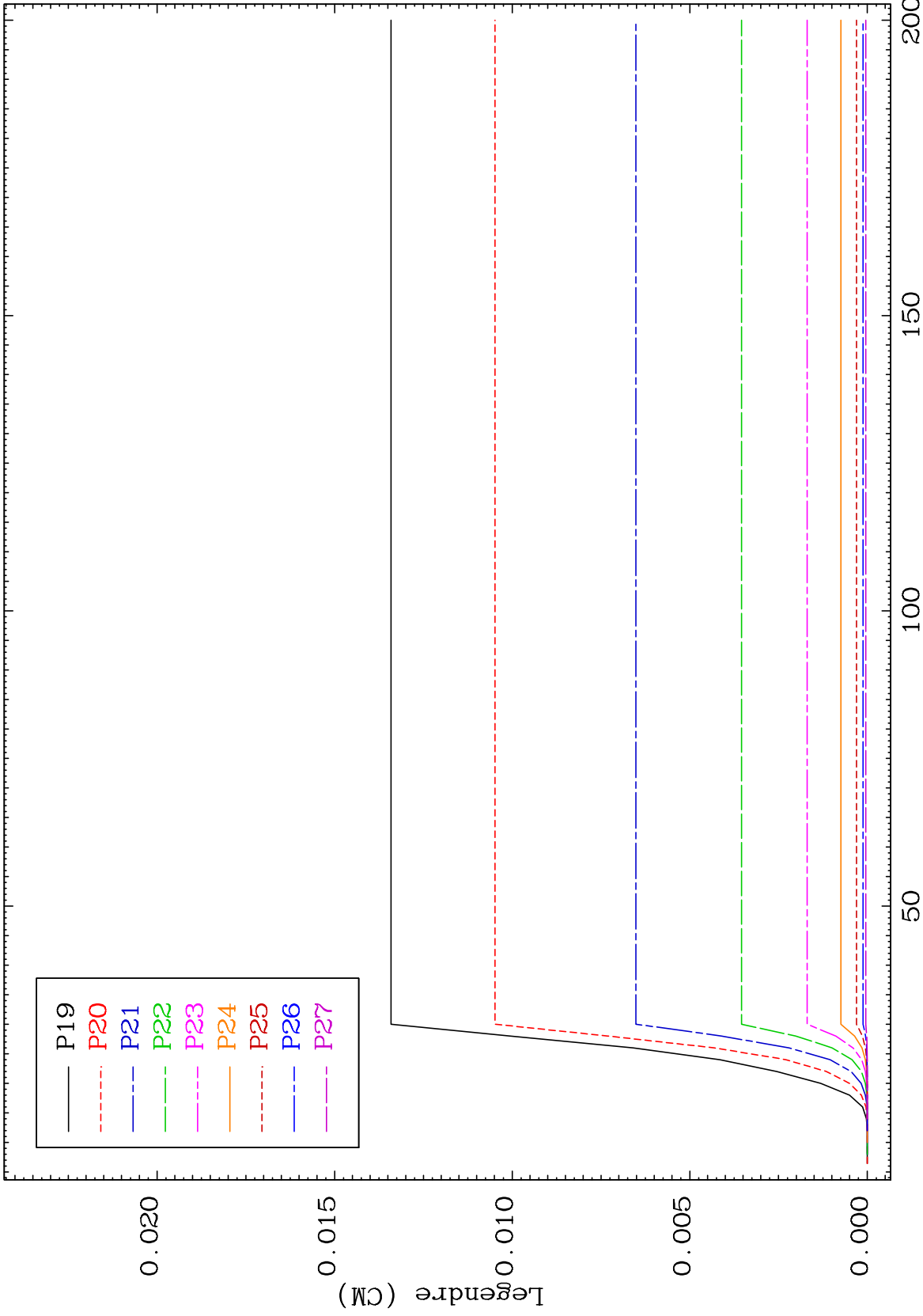
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162



48

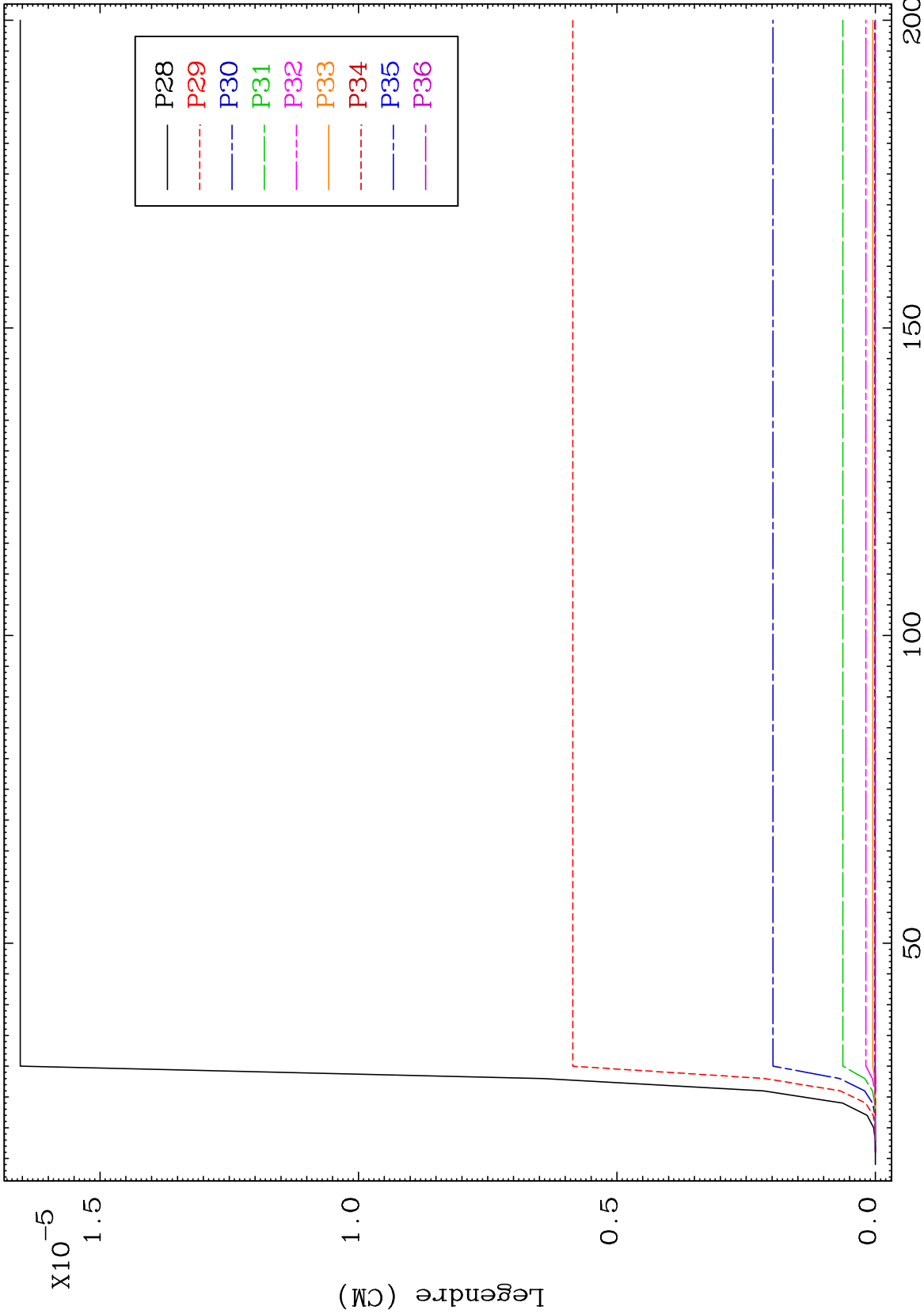
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70-Yb-162

MAT 7007

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

70-Yb-162



49

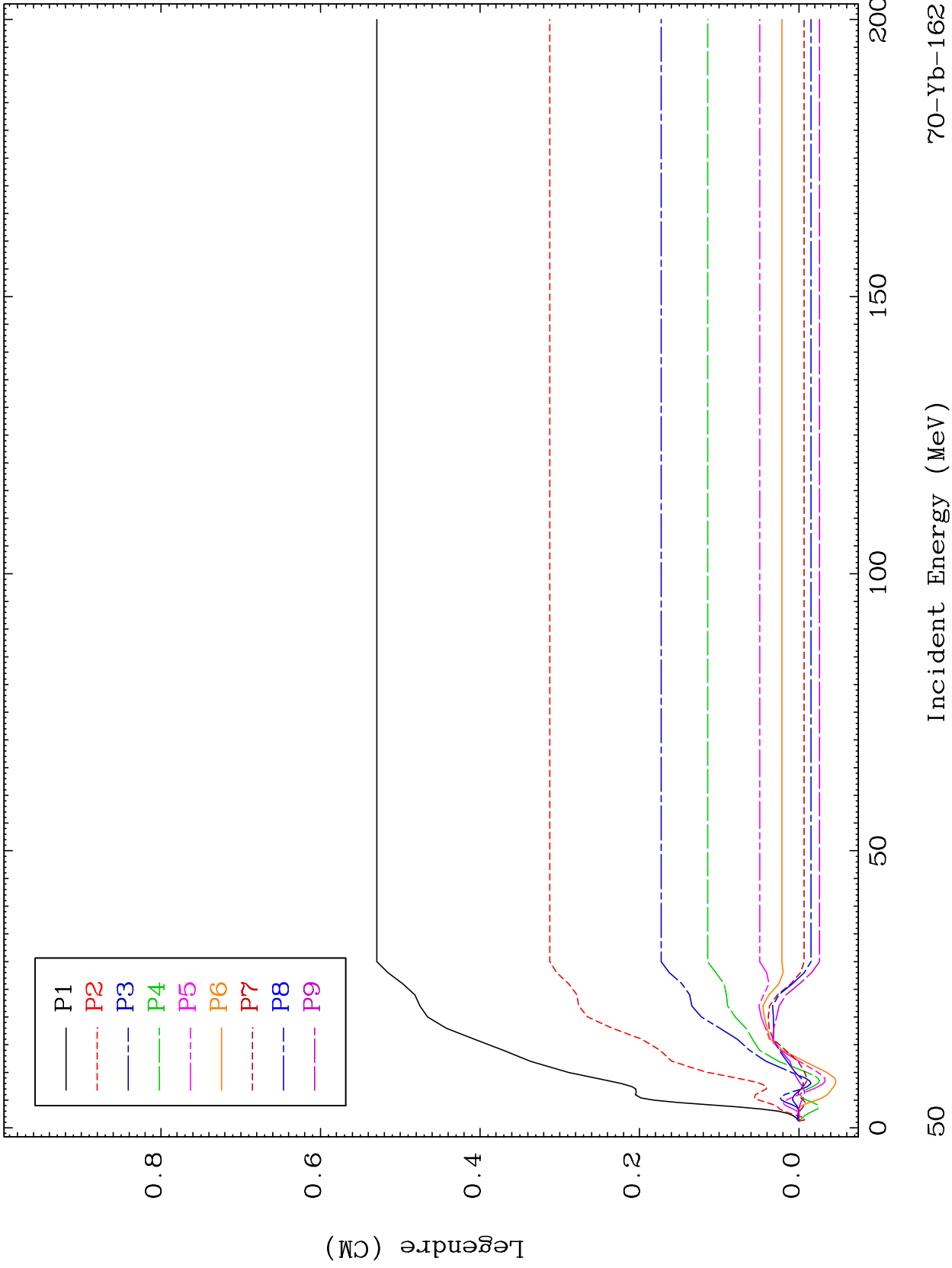
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

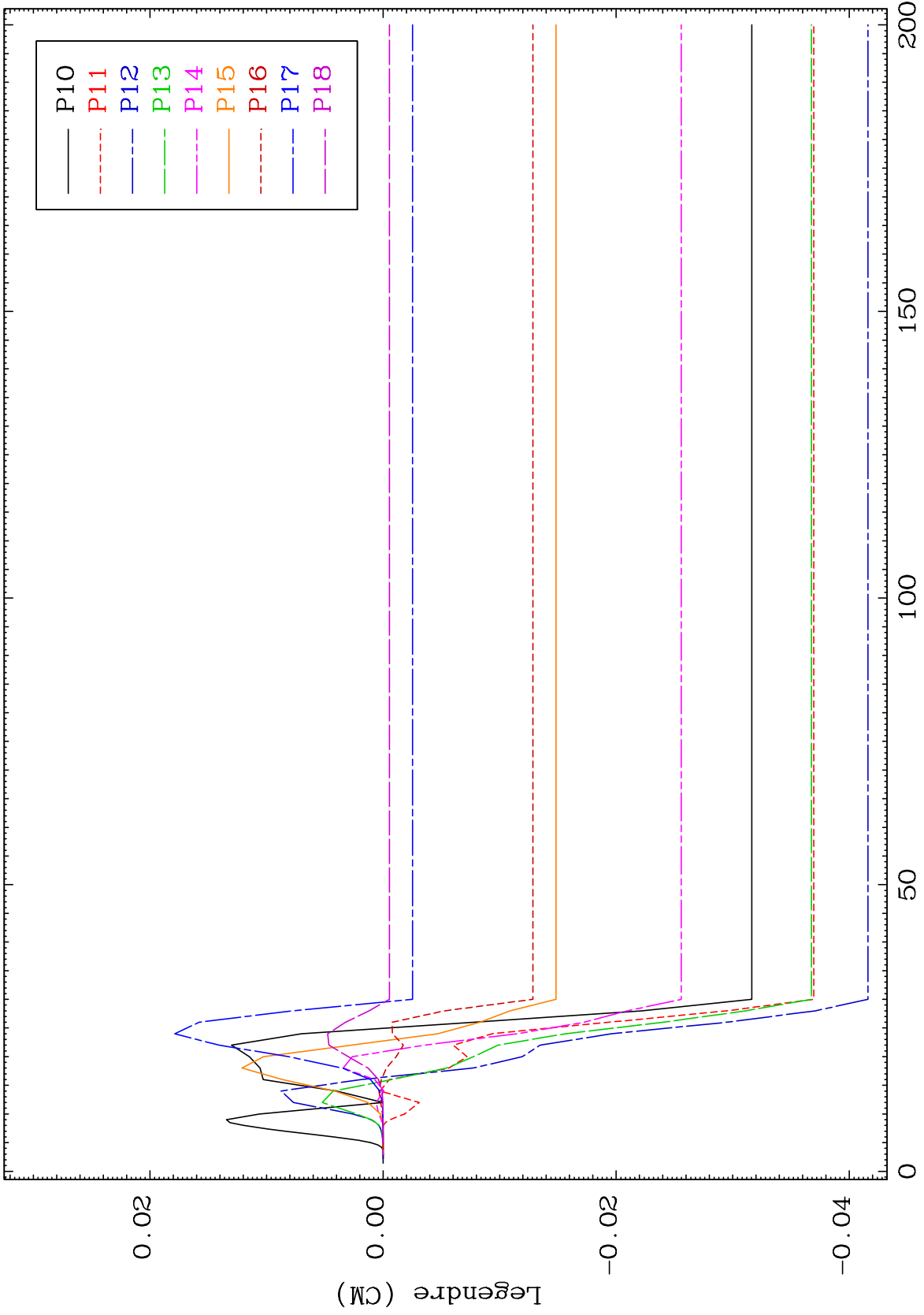
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MAT 7007

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

70-Yb-162



51

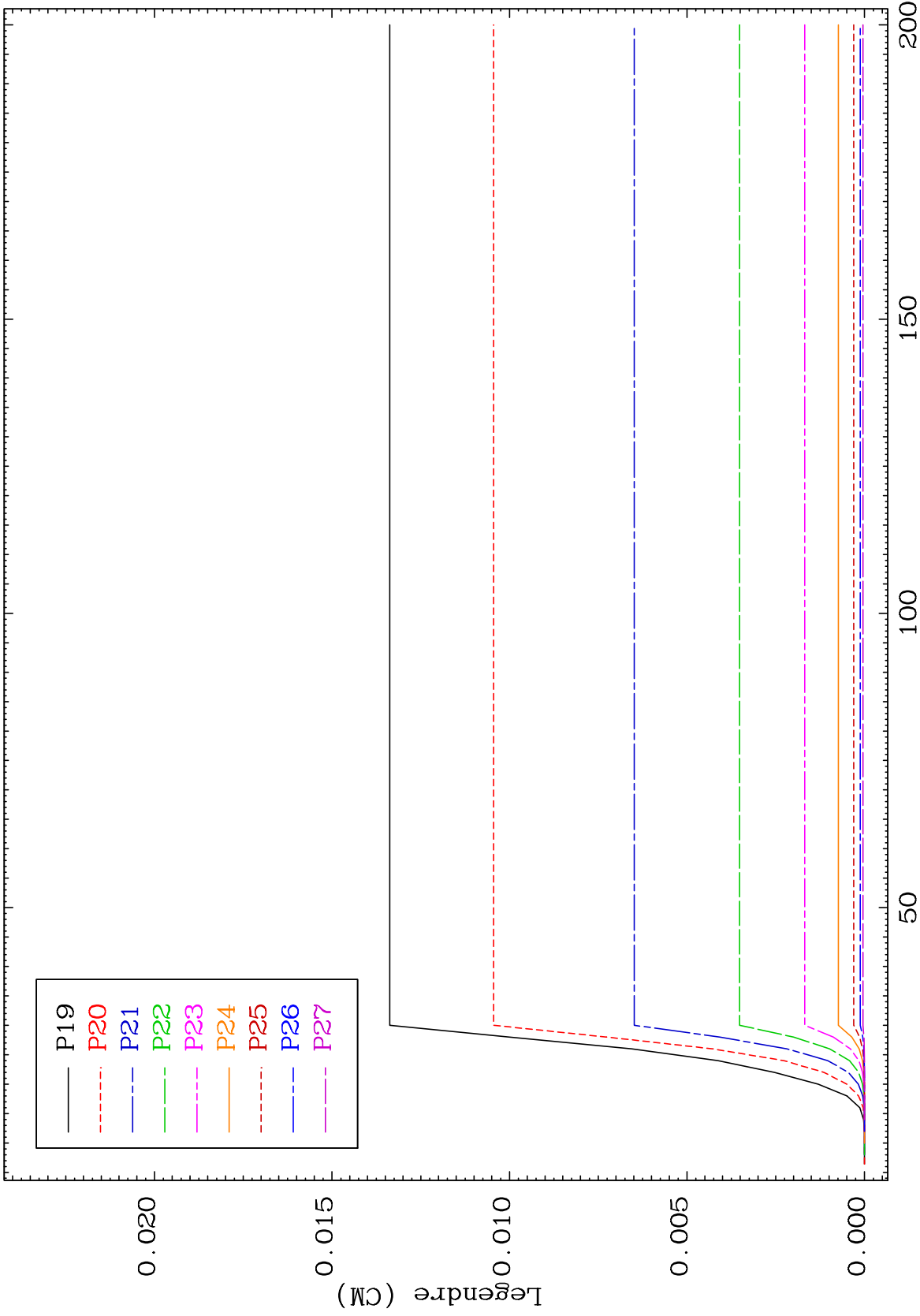
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162



52

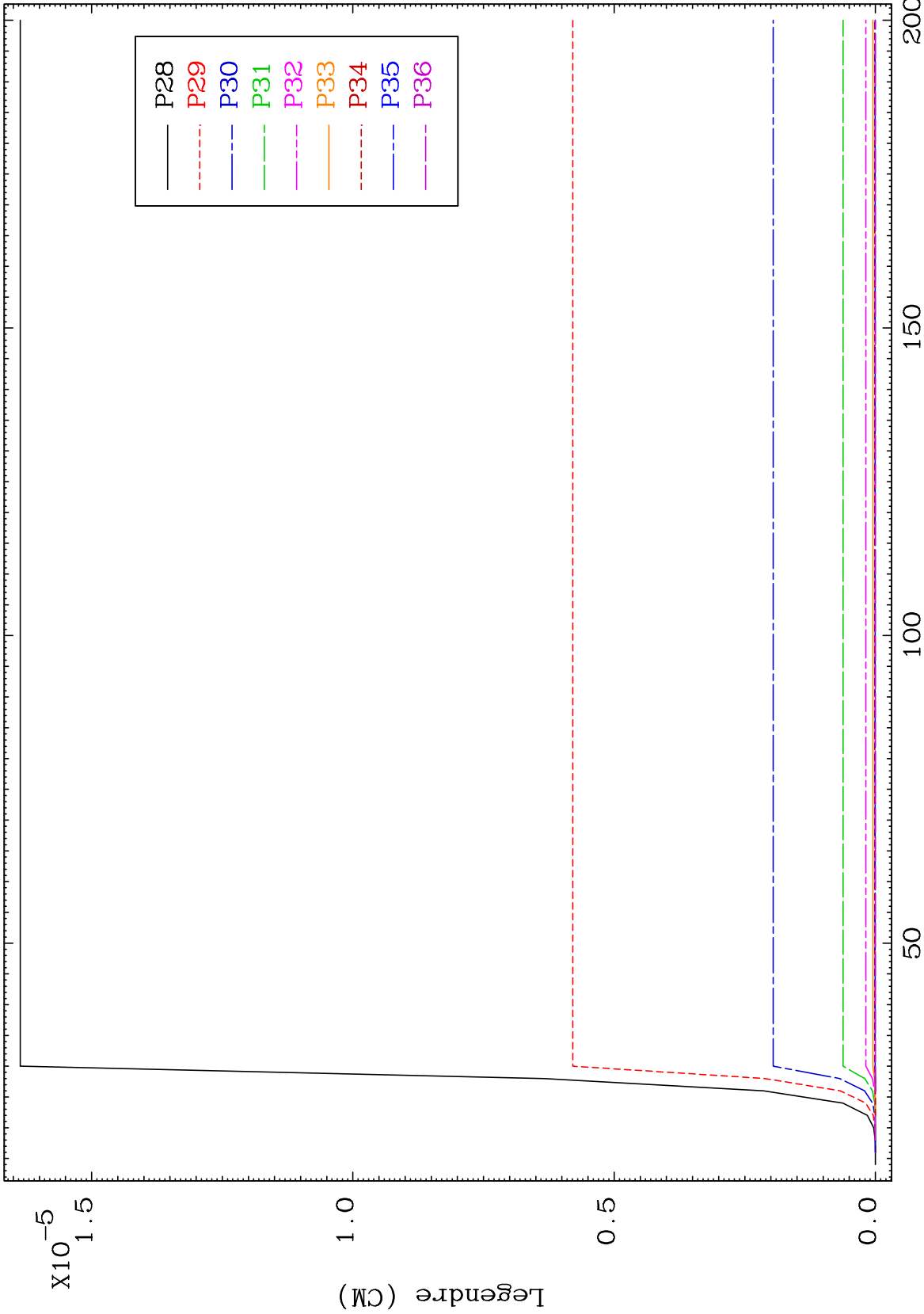
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162

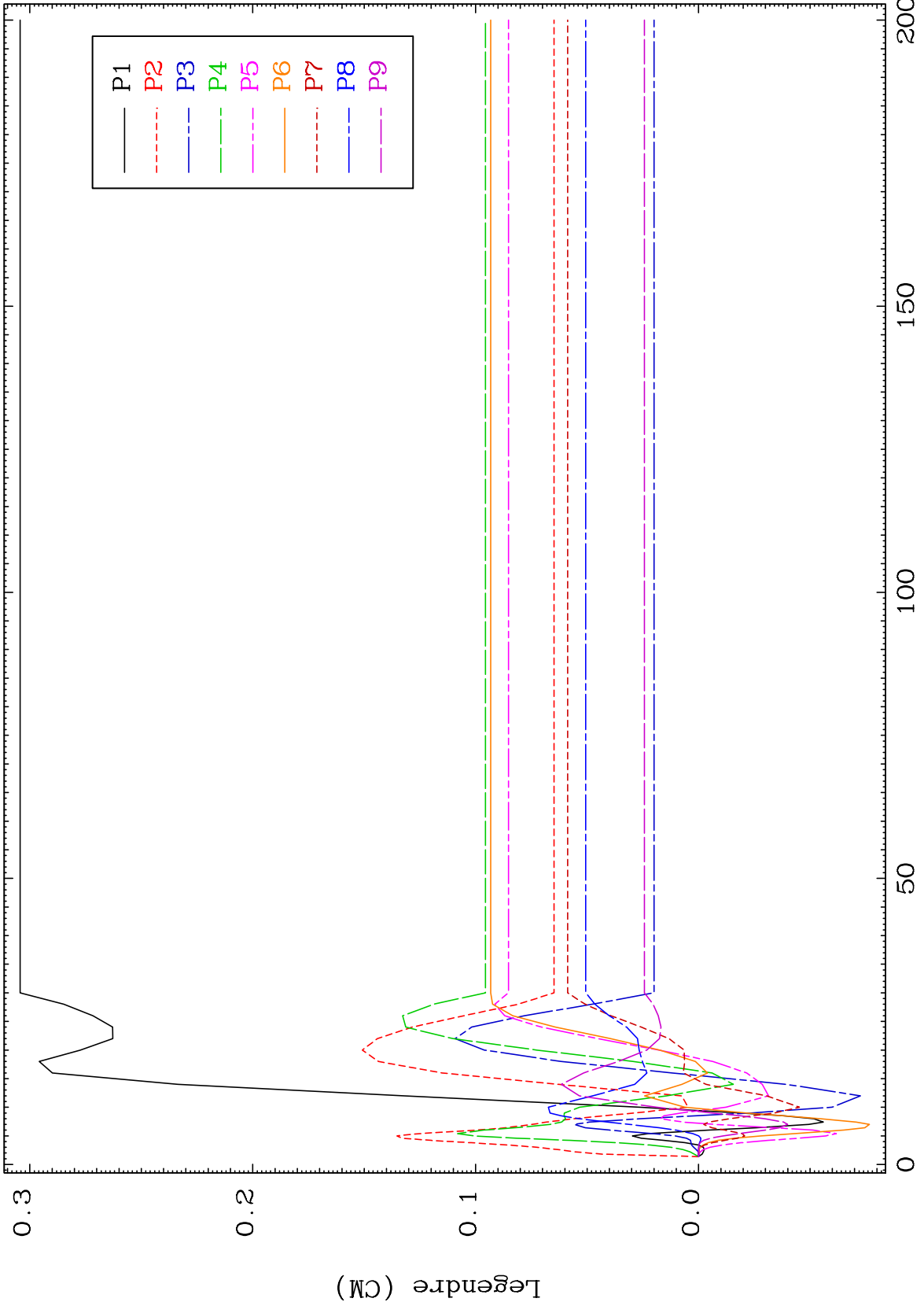


53

Incident Energy (MeV)

70-Yb-162

MAT 7007 MT= 60 (n,n') Level Legendre Coefficients 70-Yb-162

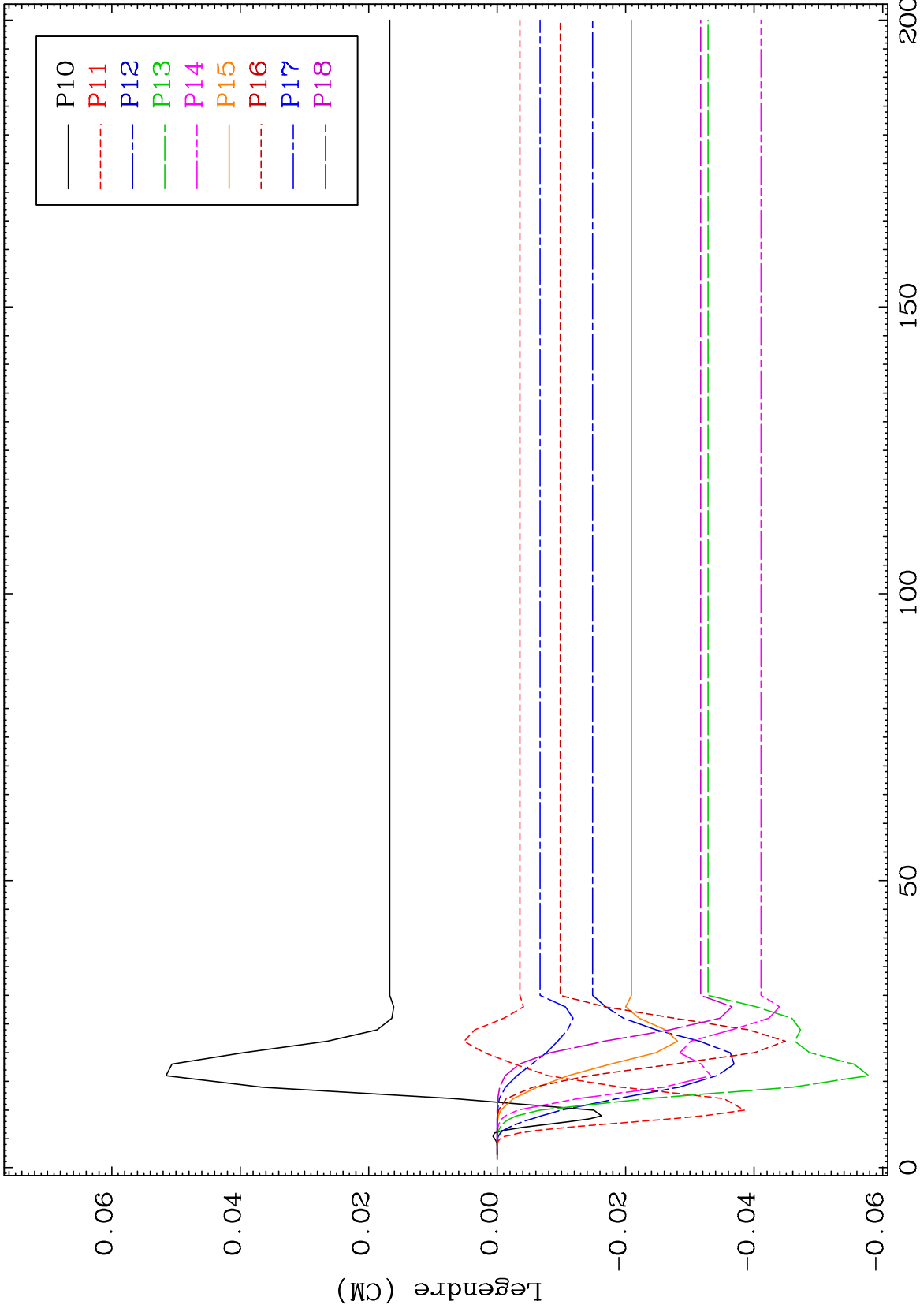


54 70-Yb-162

MAT 7007

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

70-Yb-162



55

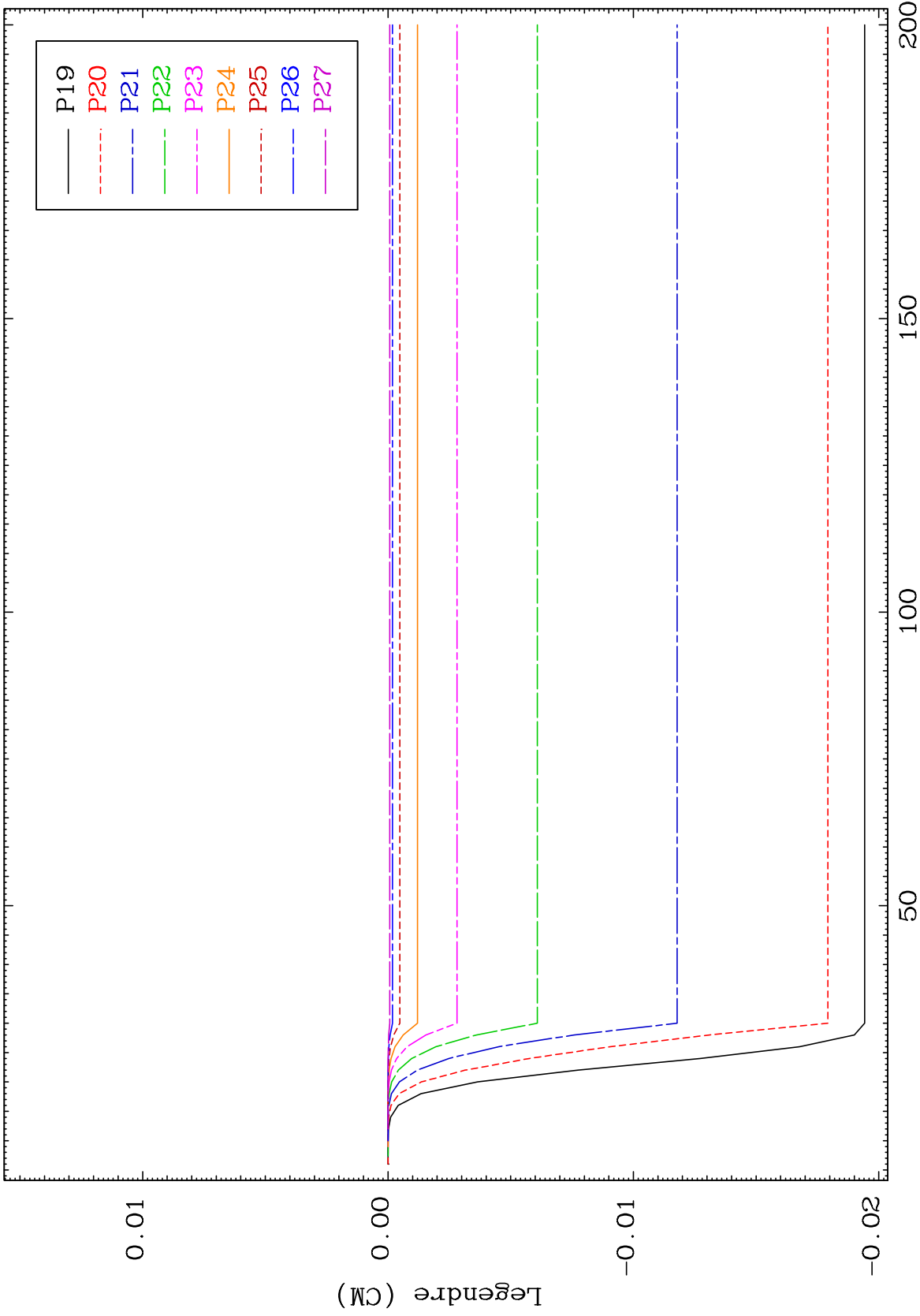
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162



56

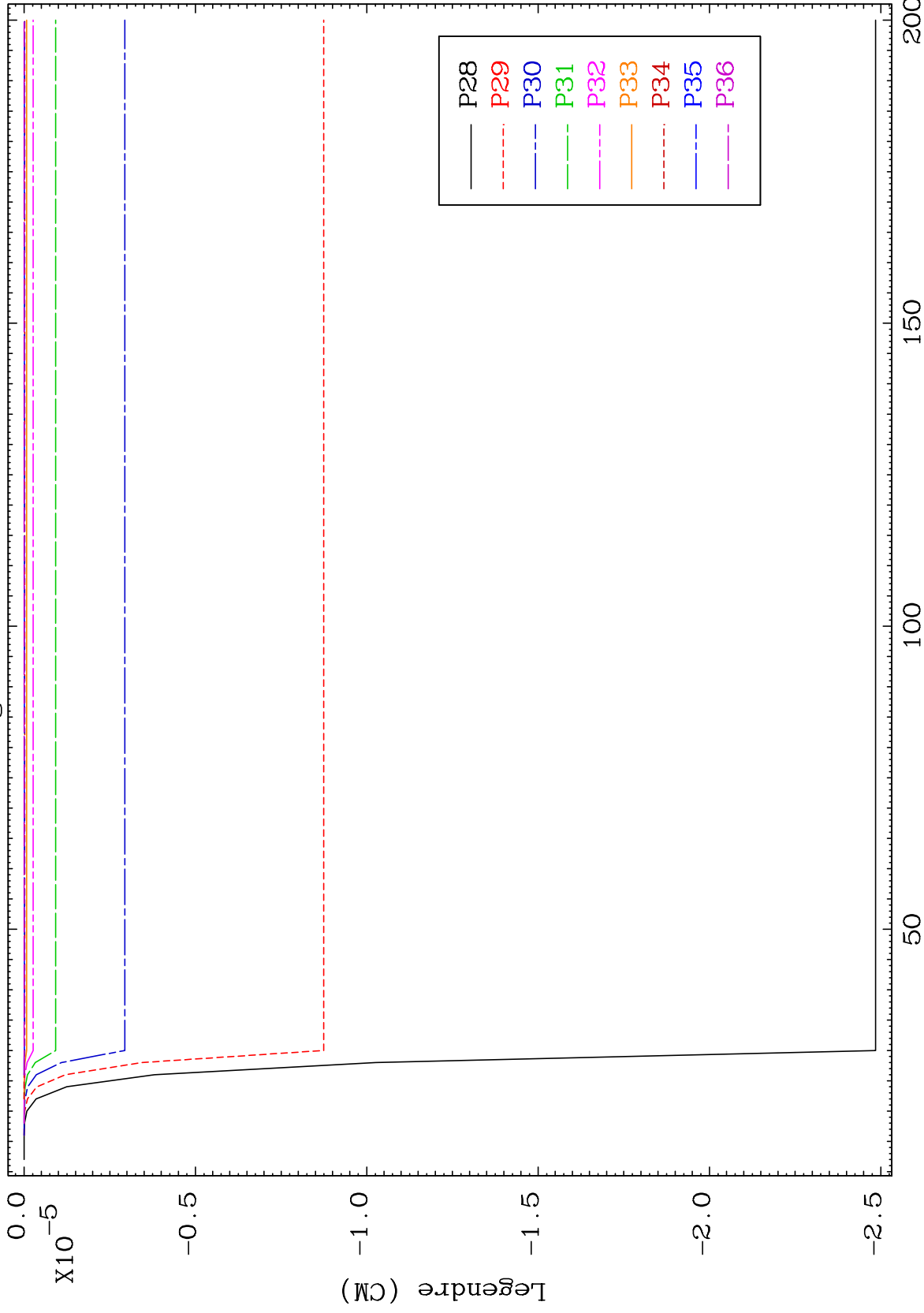
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162



70-Yb-162

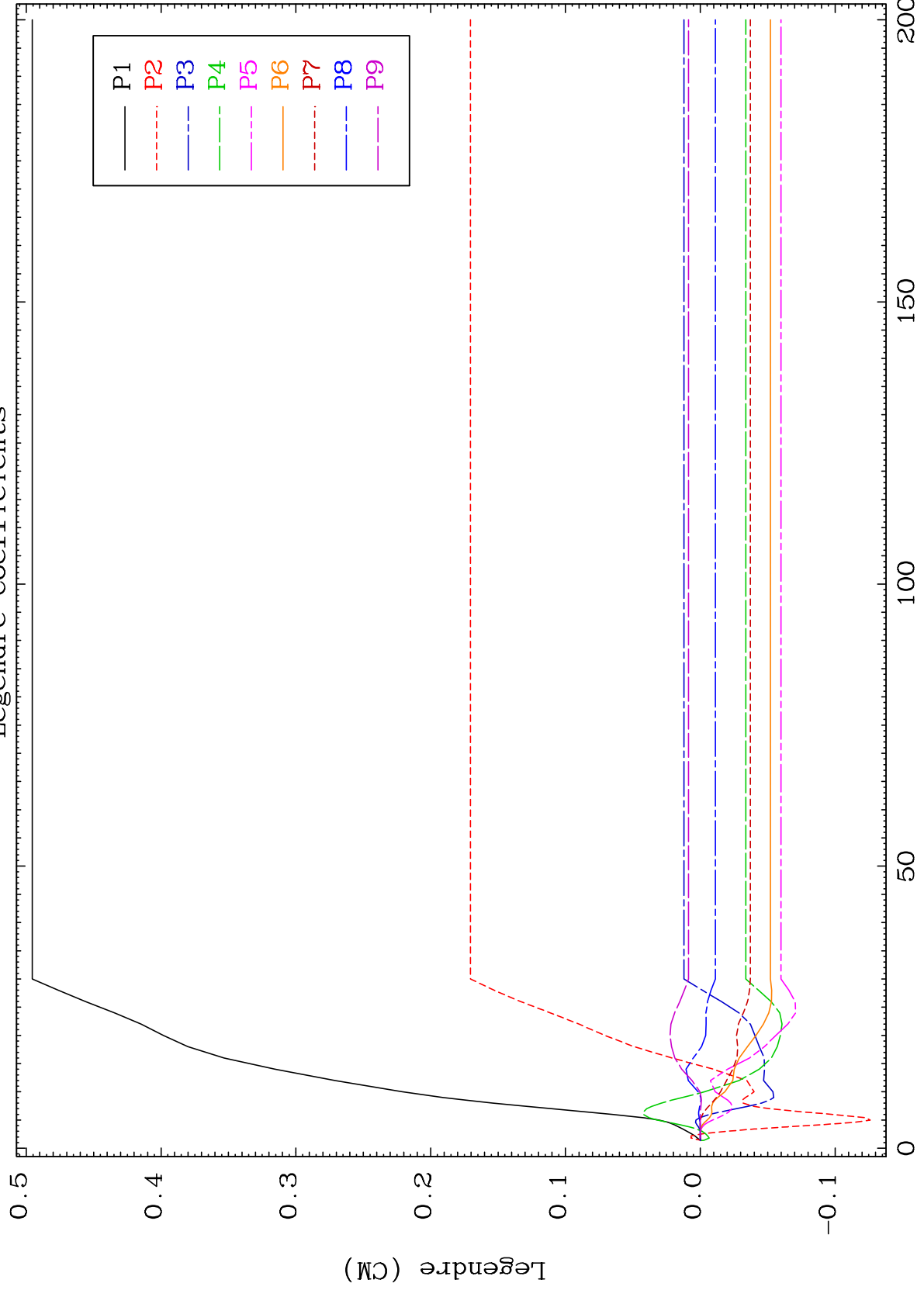
Incident Energy (MeV)

57

MAT 7007

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

70-Yb-162



58

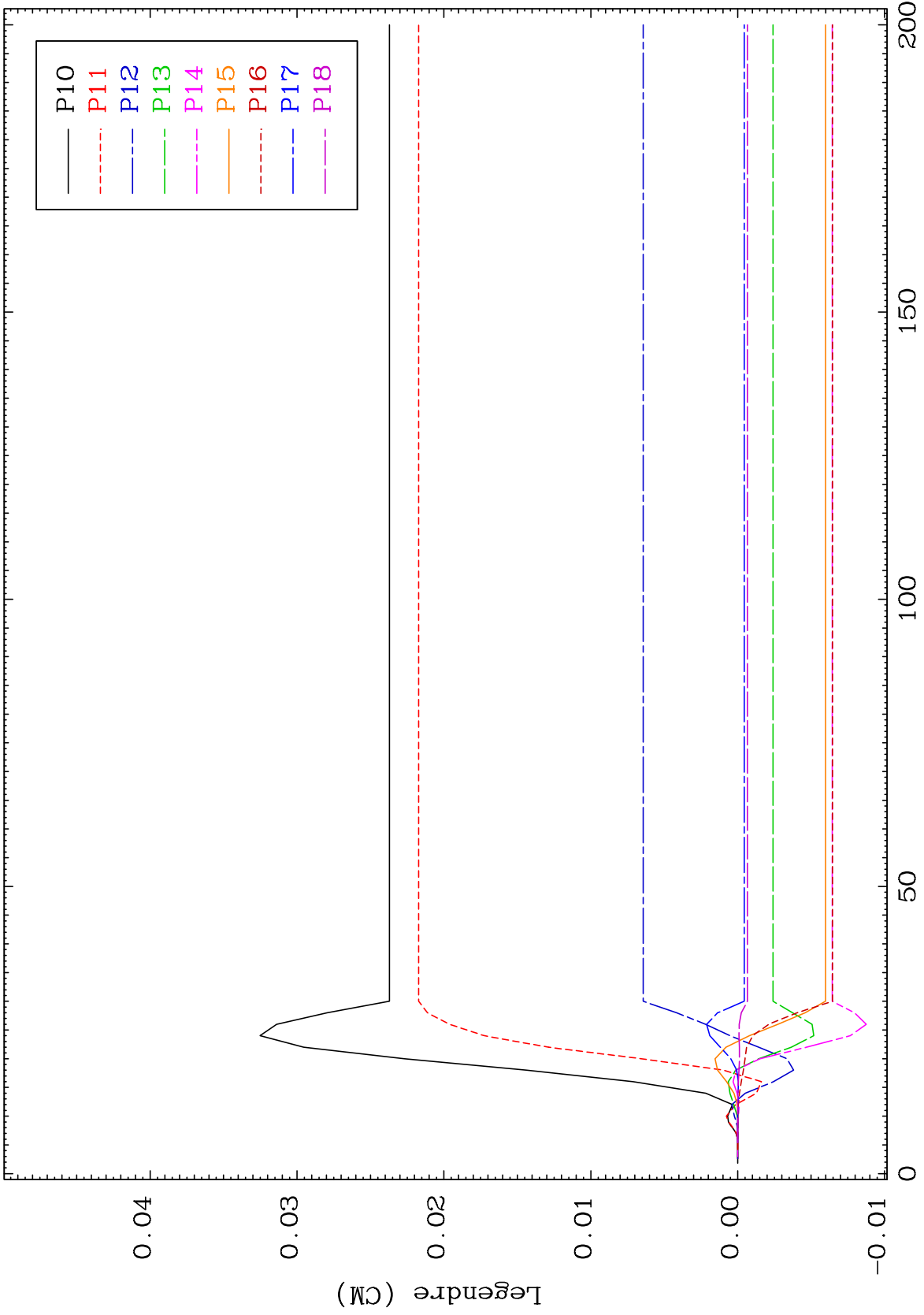
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162



59

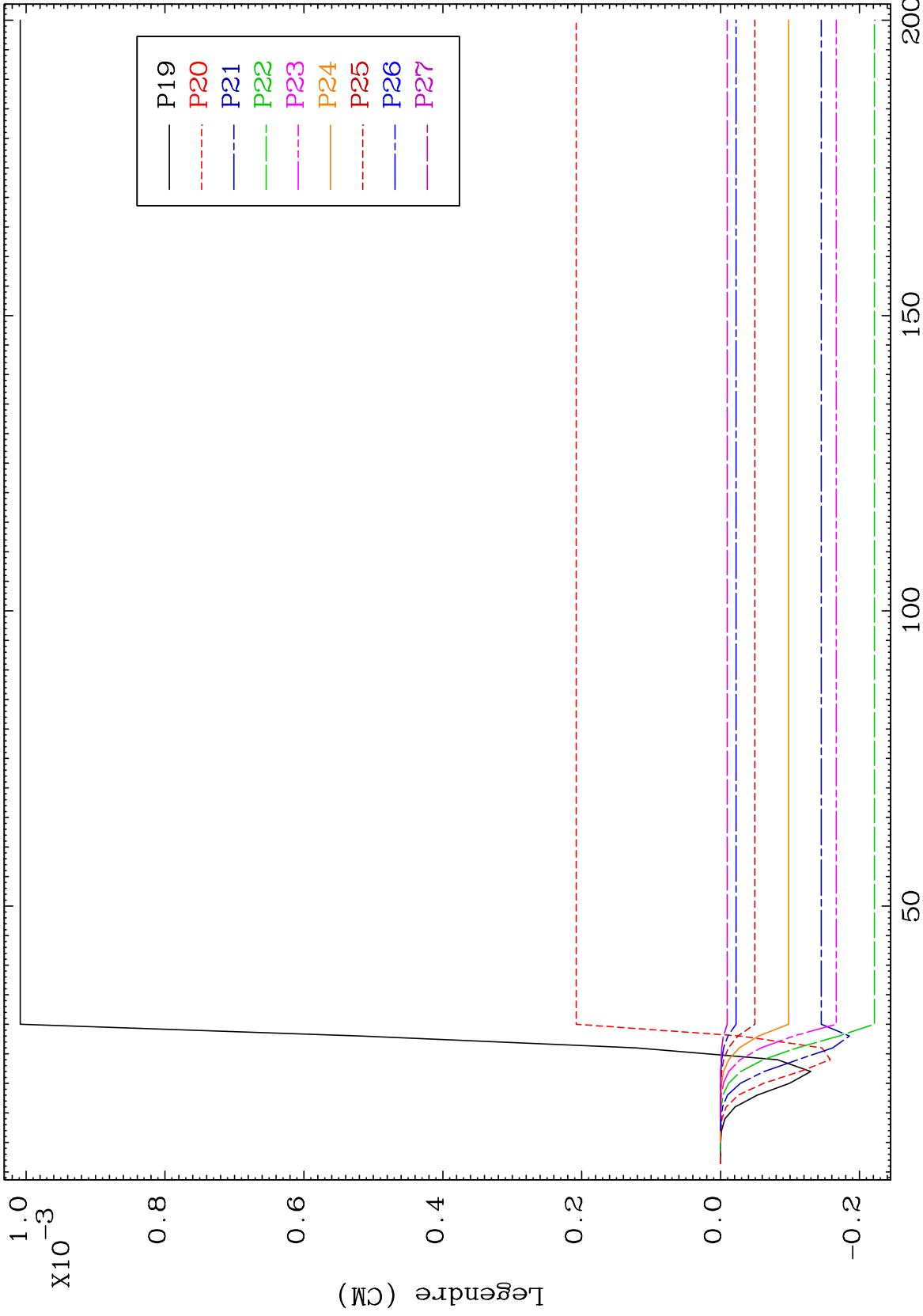
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162



60

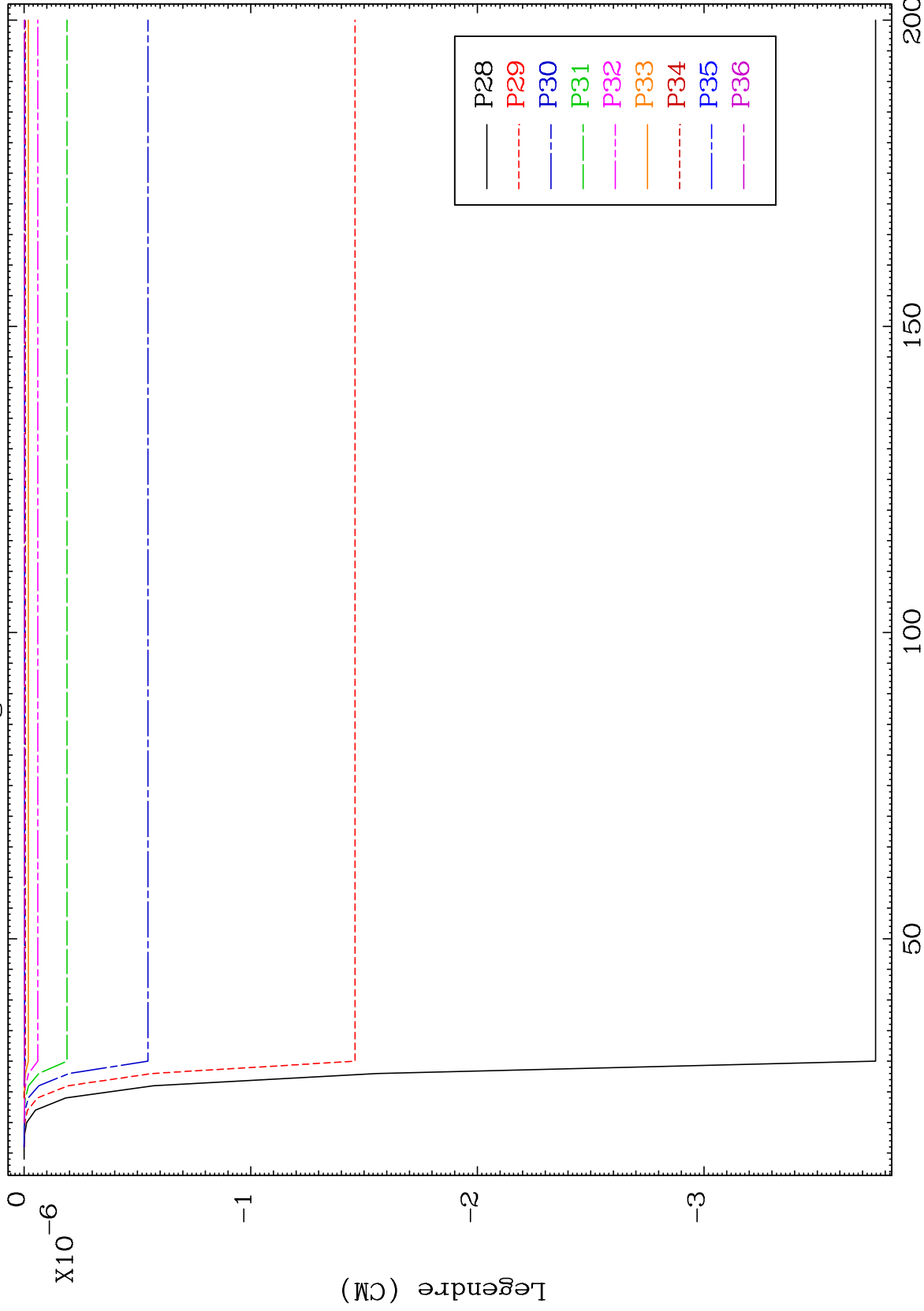
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162

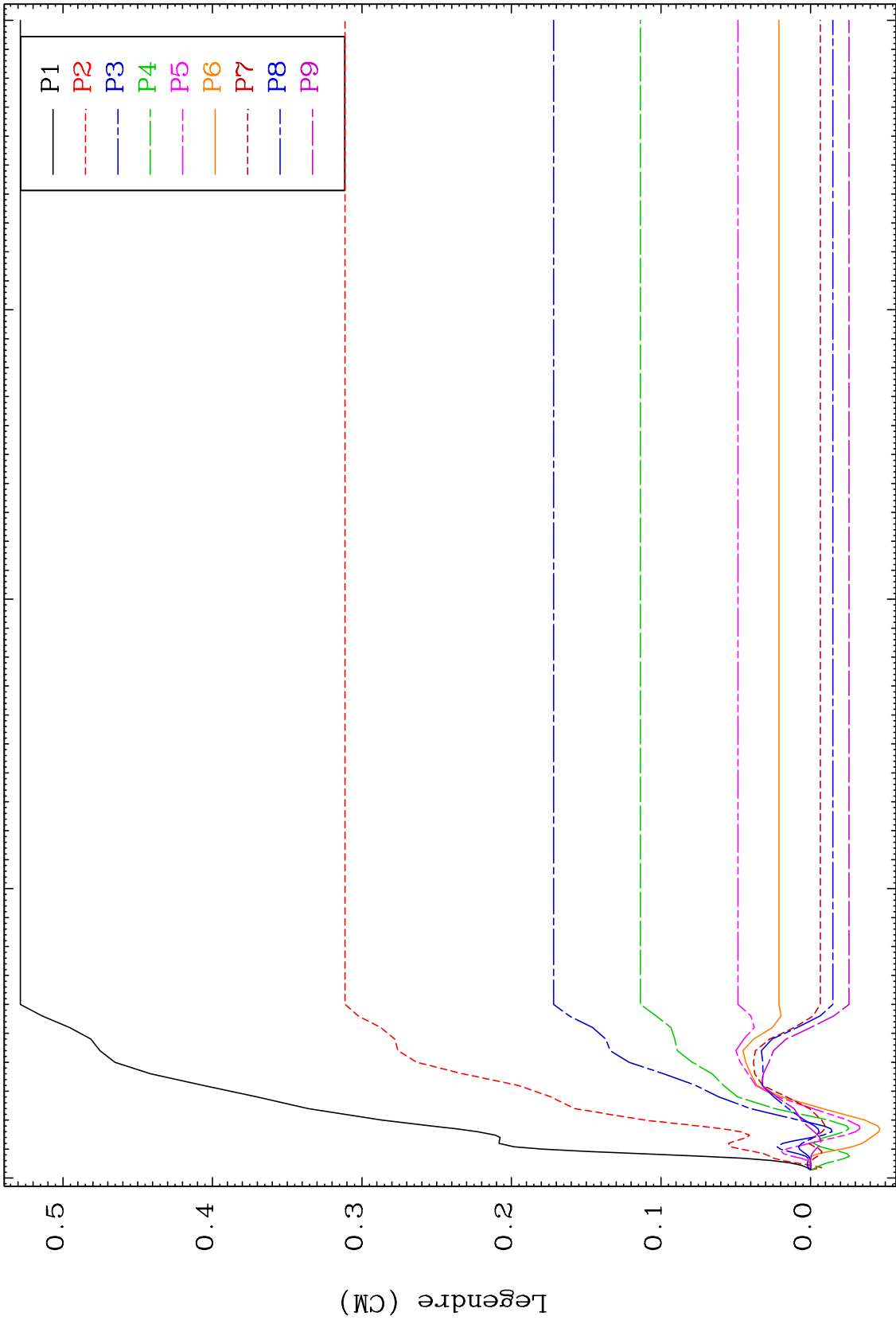


70-Yb-162

Incident Energy (MeV)

61

MAT 7007 MT= 62 (n,n') Level Legendre Coefficients 70-Yb-162

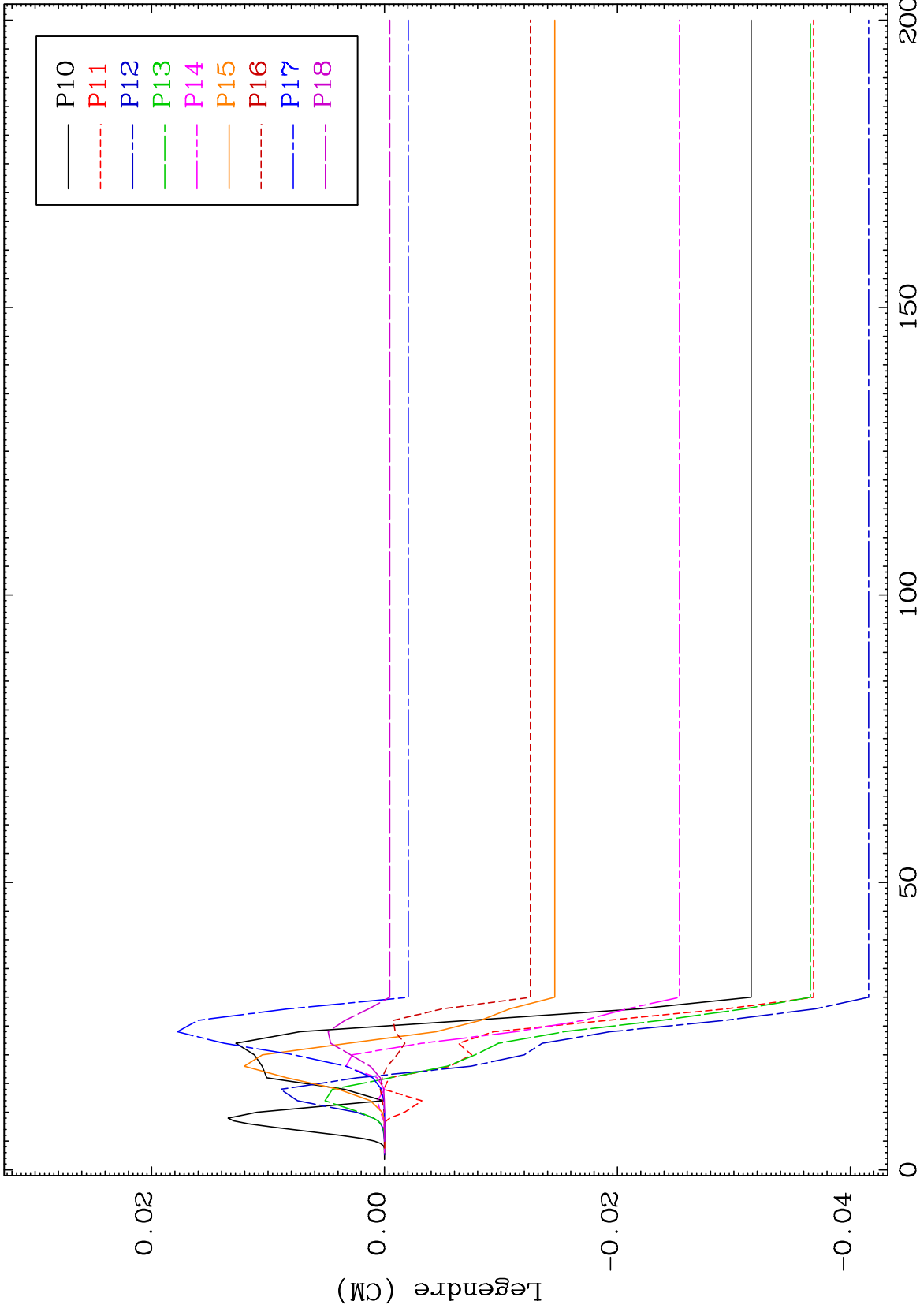


62 70-Yb-162

MAT 7007

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

70-Yb-162



63

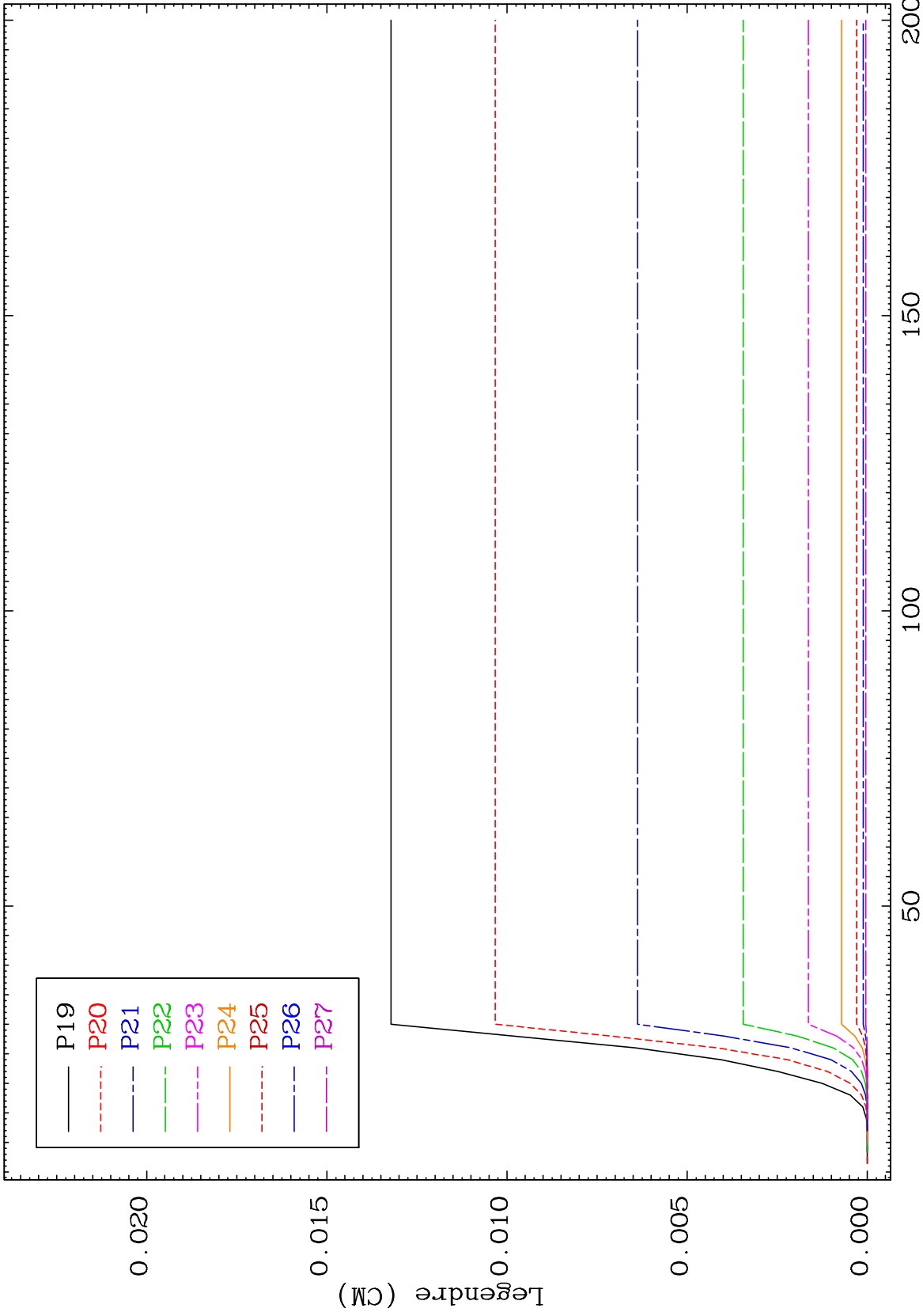
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162



64

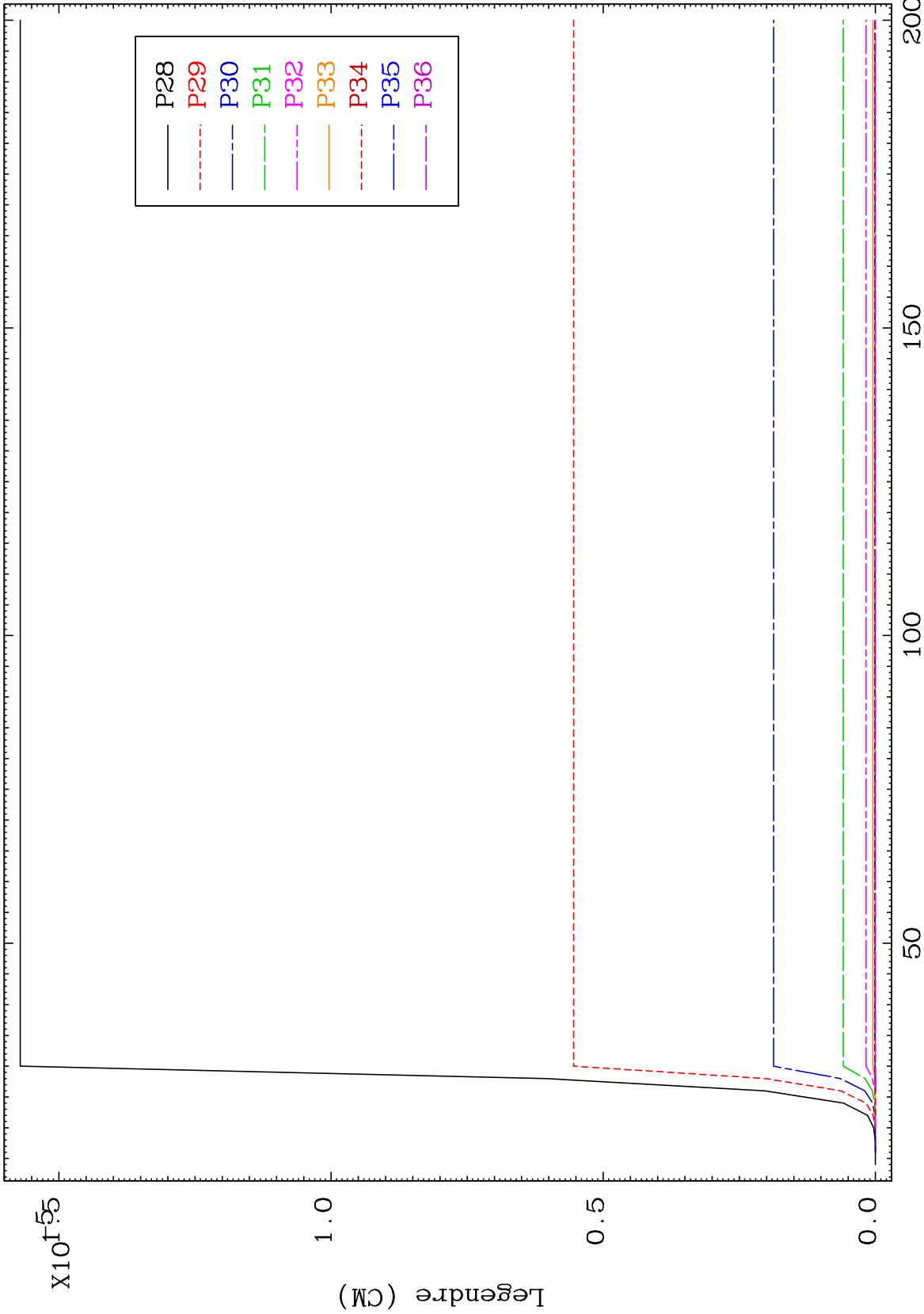
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162



65

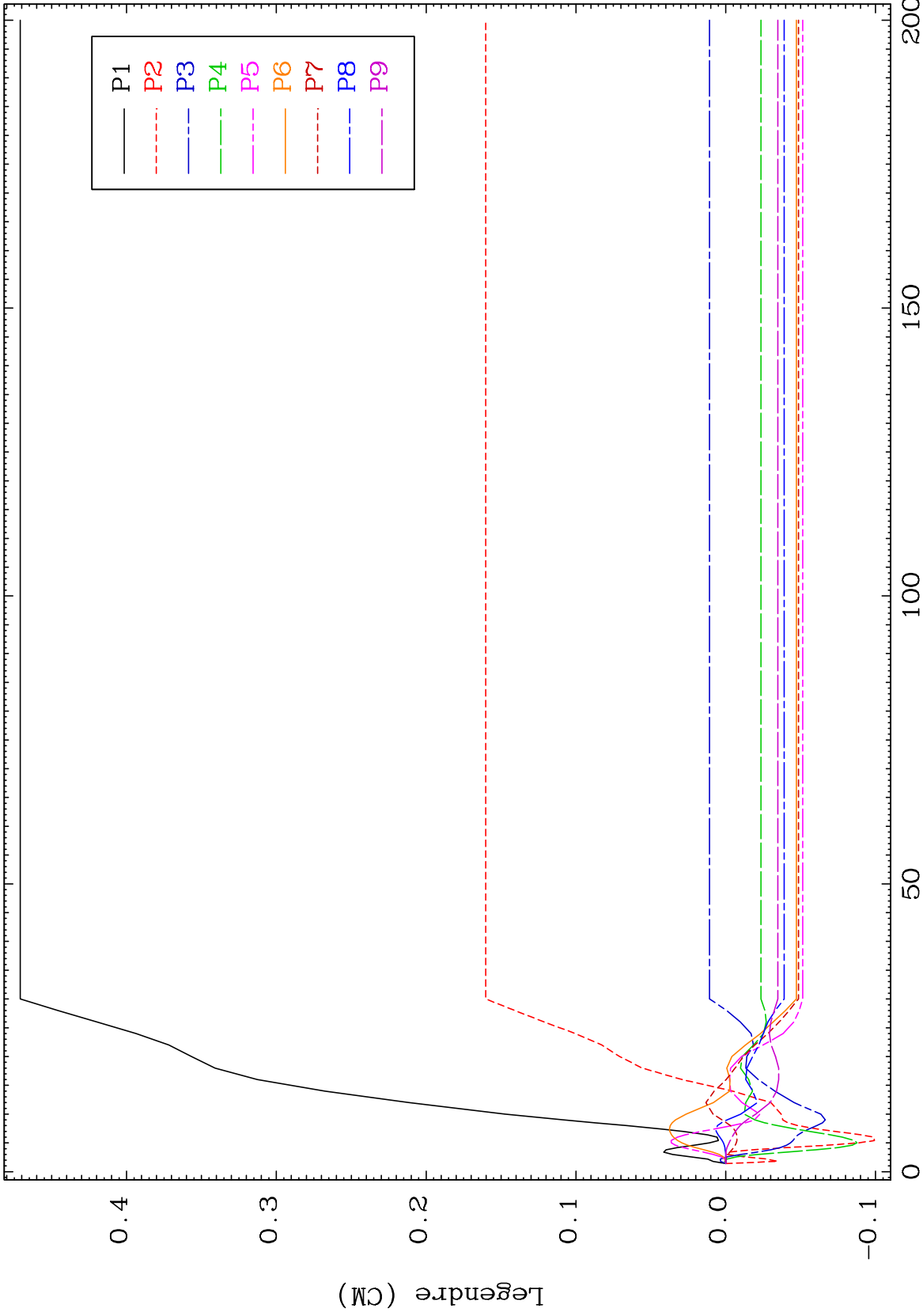
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162



66

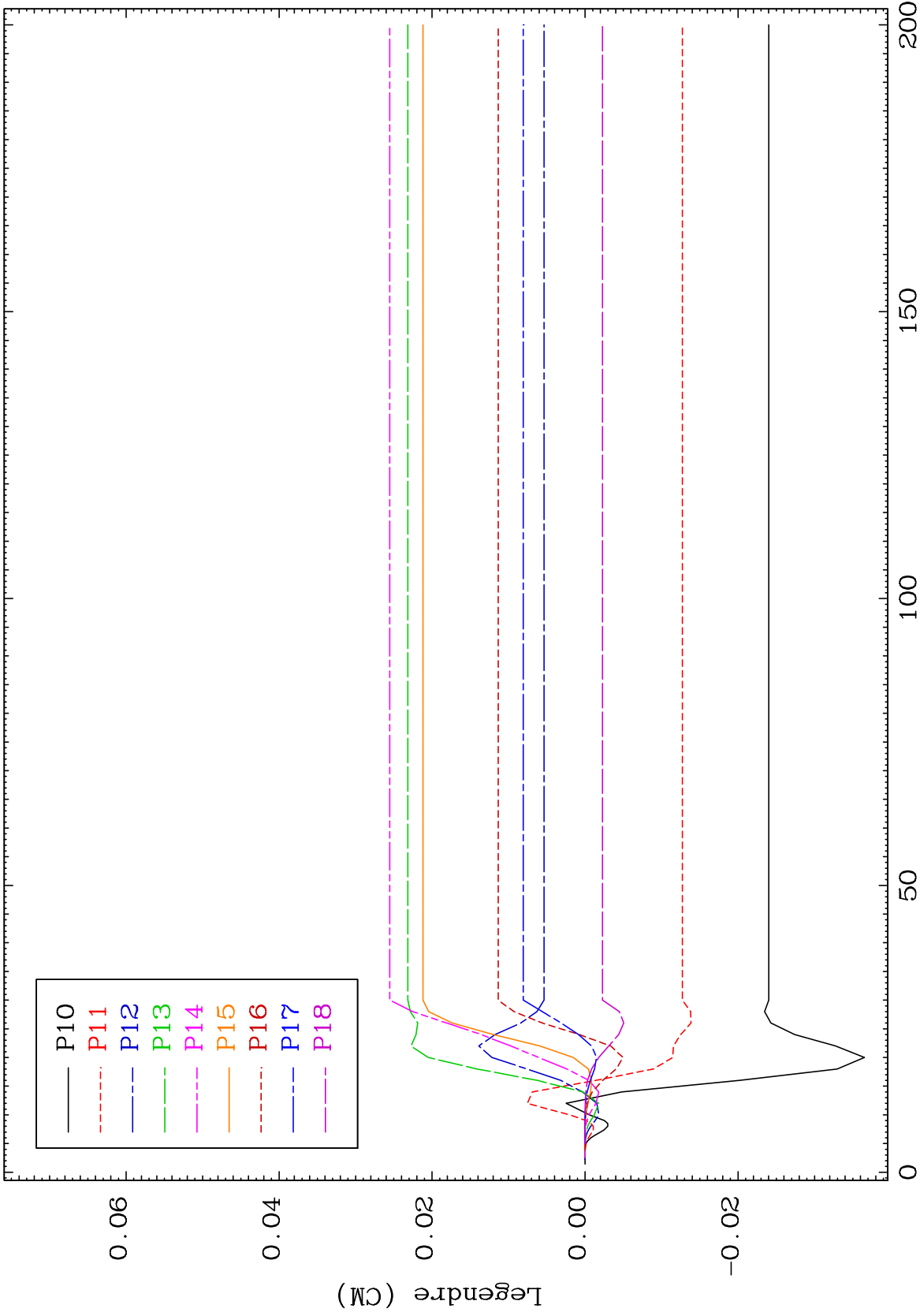
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162



67

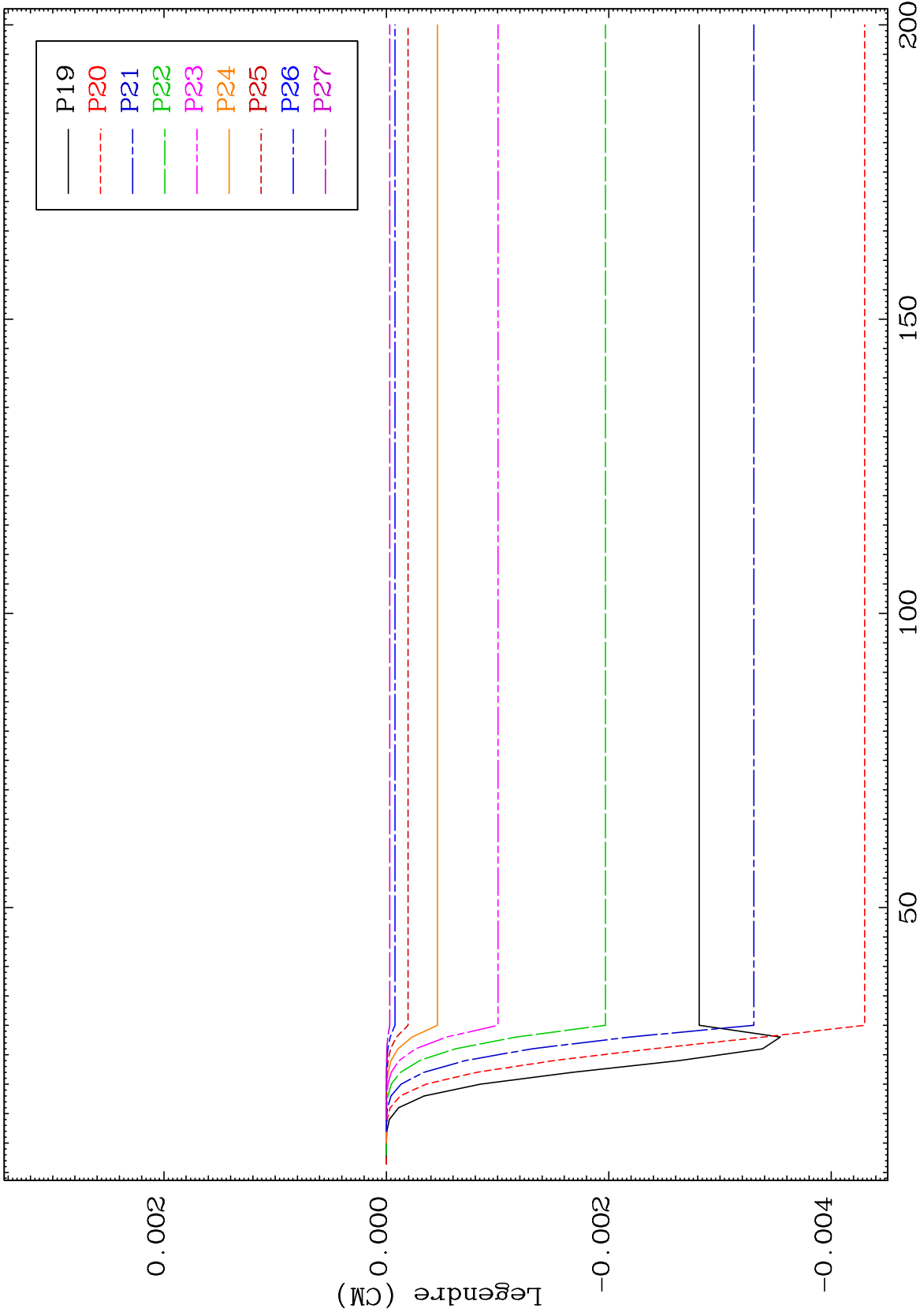
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162



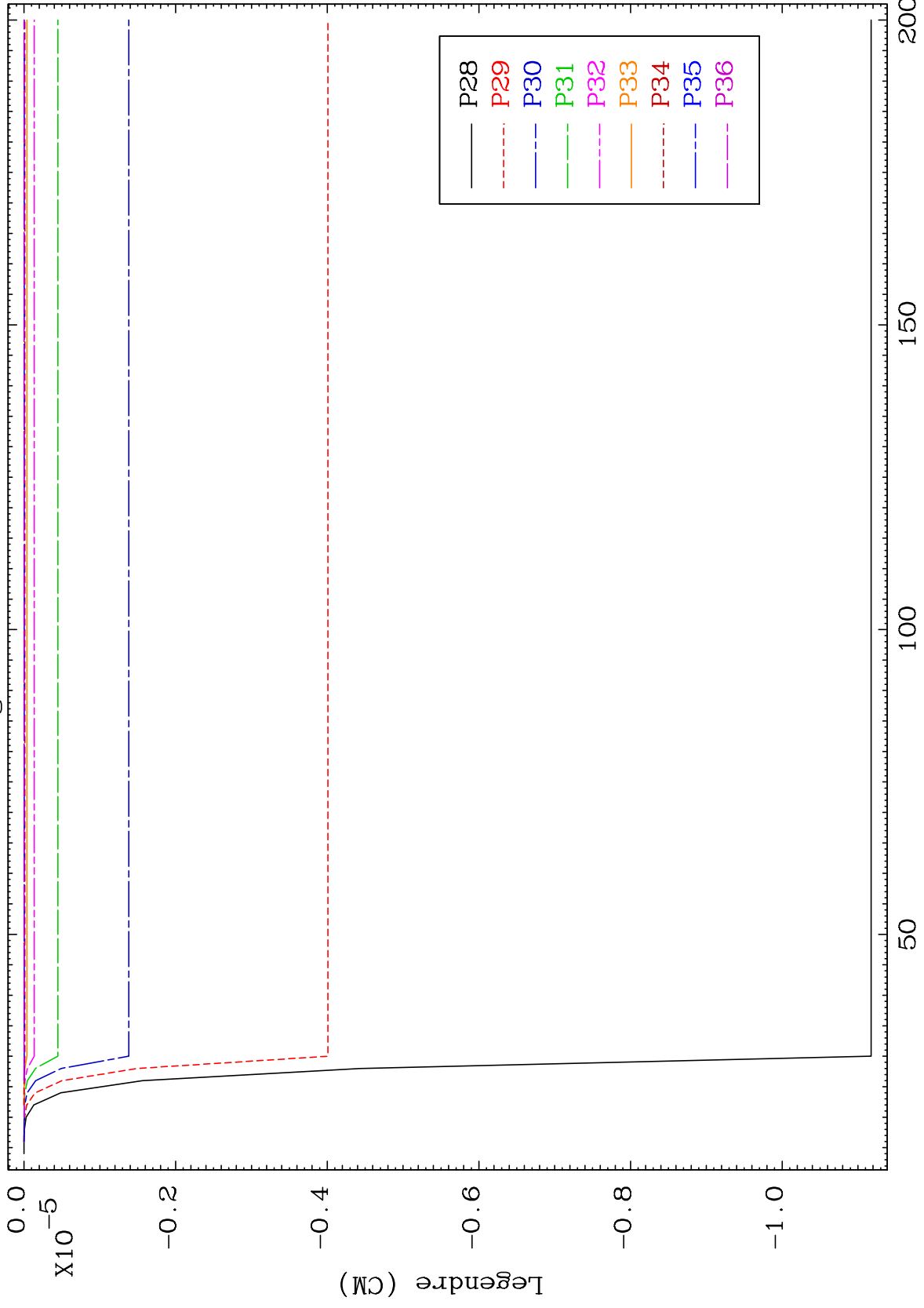
68

70-Yb-162

MAT 7007

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

70-Yb-162

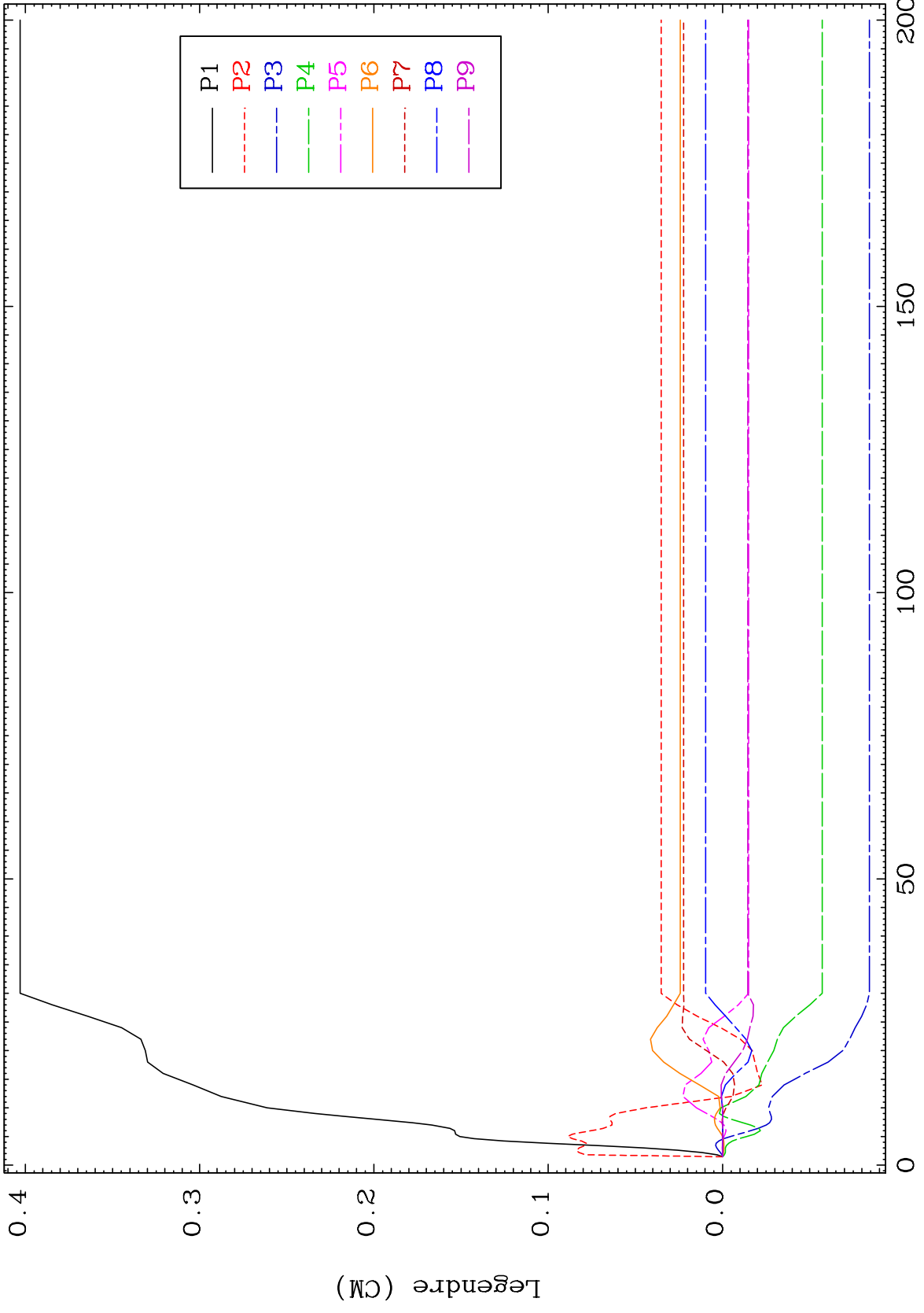


70-Yb-162

Incident Energy (MeV)

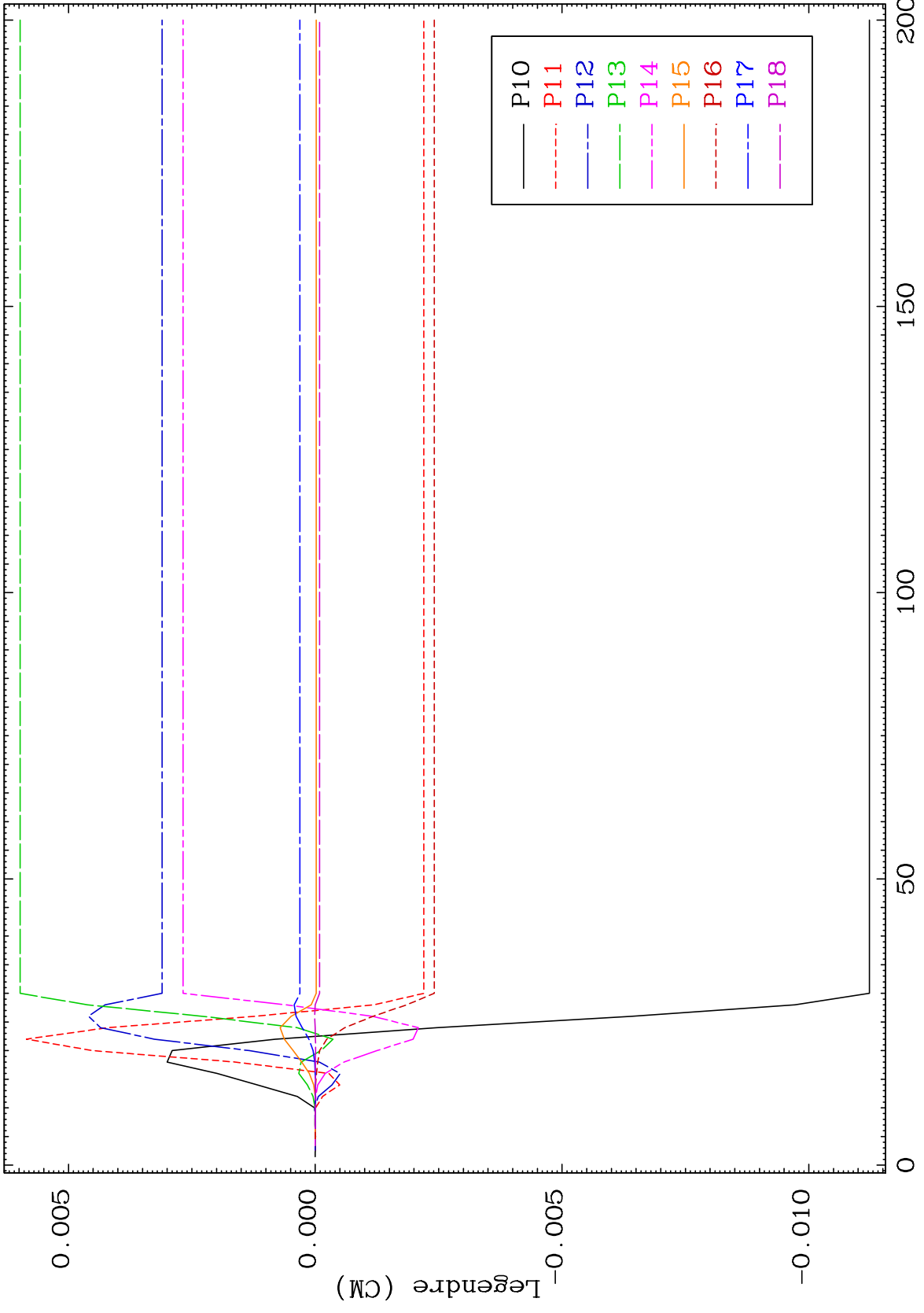
69

MAT 7007 MT= 64 (n,n') Level Legendre Coefficients 70-Yb-162



70

MAT 7007 MT= 64 (n,n') Level Legendre Coefficients 70-Yb-162

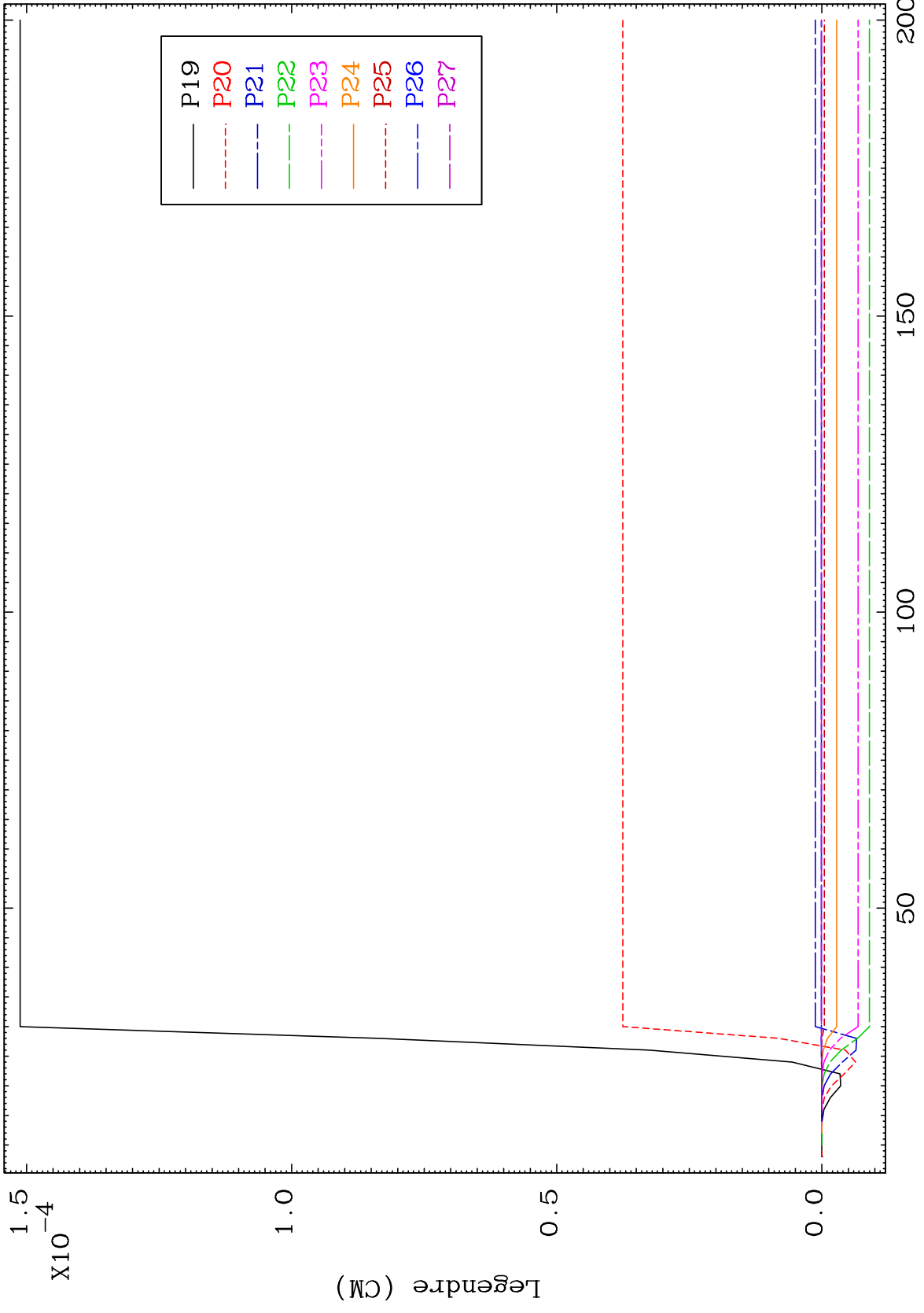


71 Incident Energy (MeV) 70-Yb-162

MAT 7007

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

70-Yb-162



72

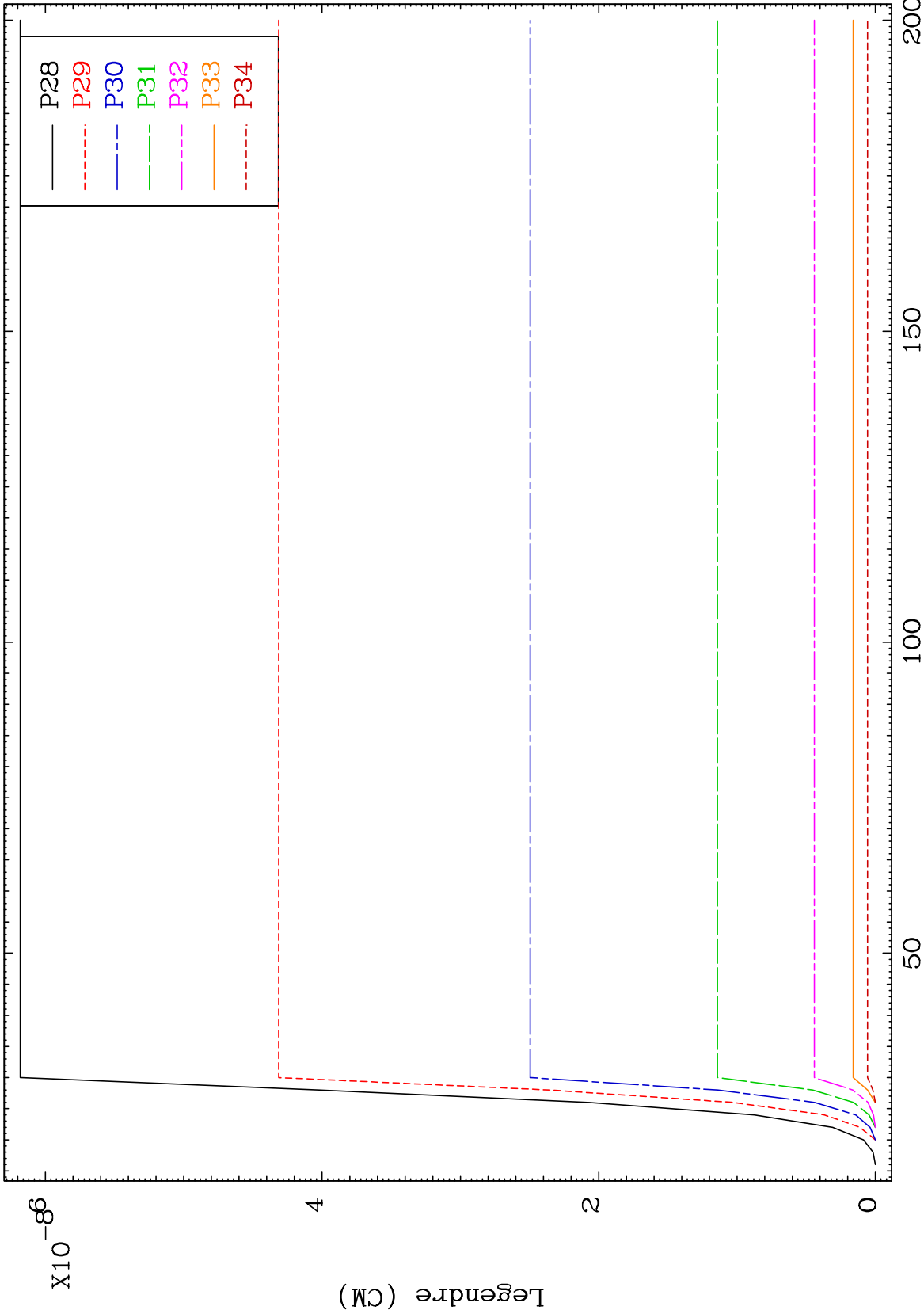
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162

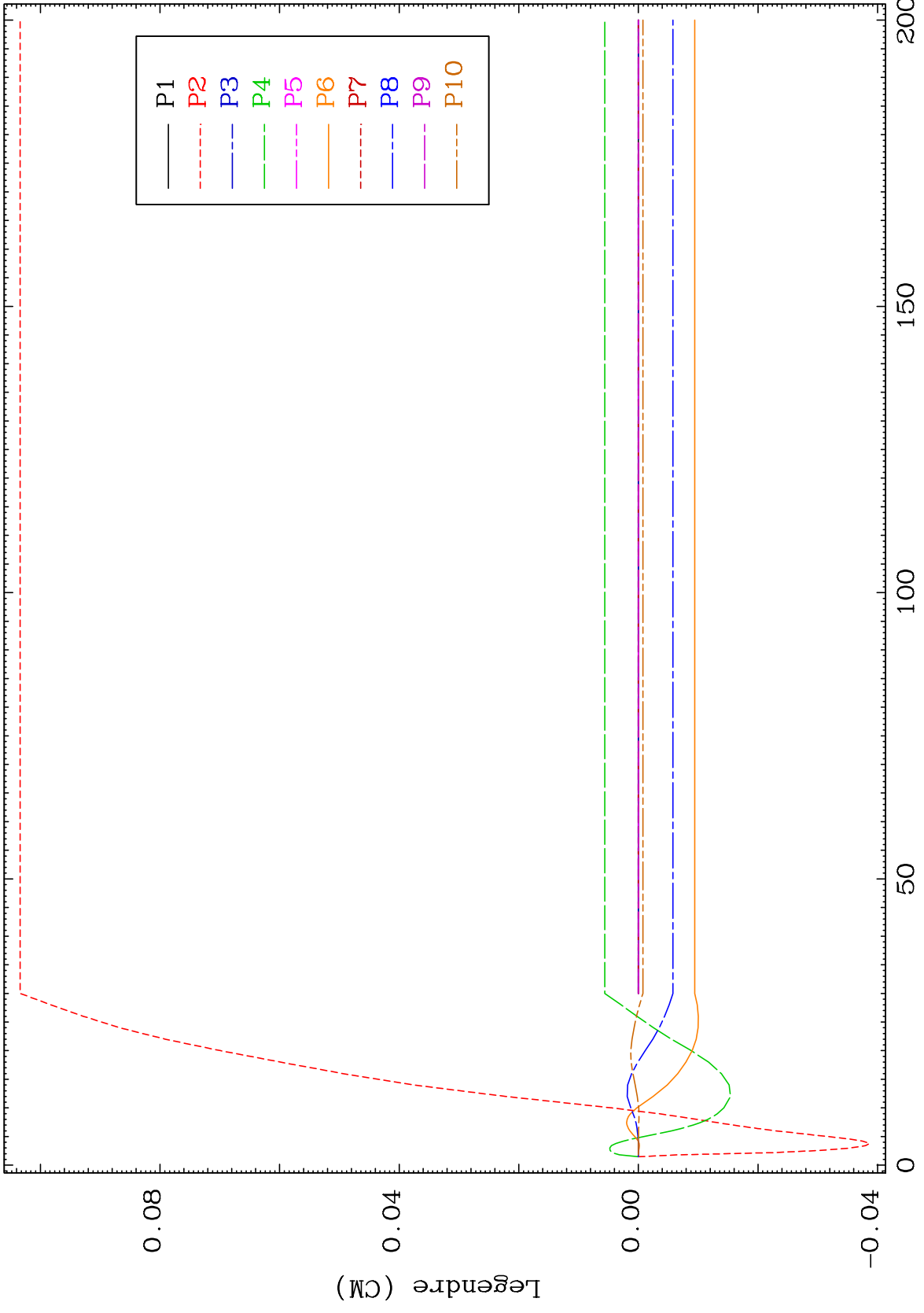


73

Incident Energy (MeV)

70-Yb-162

MAT 7007 MT= 65 (n,n') Level Legendre Coefficients 70-Yb-162

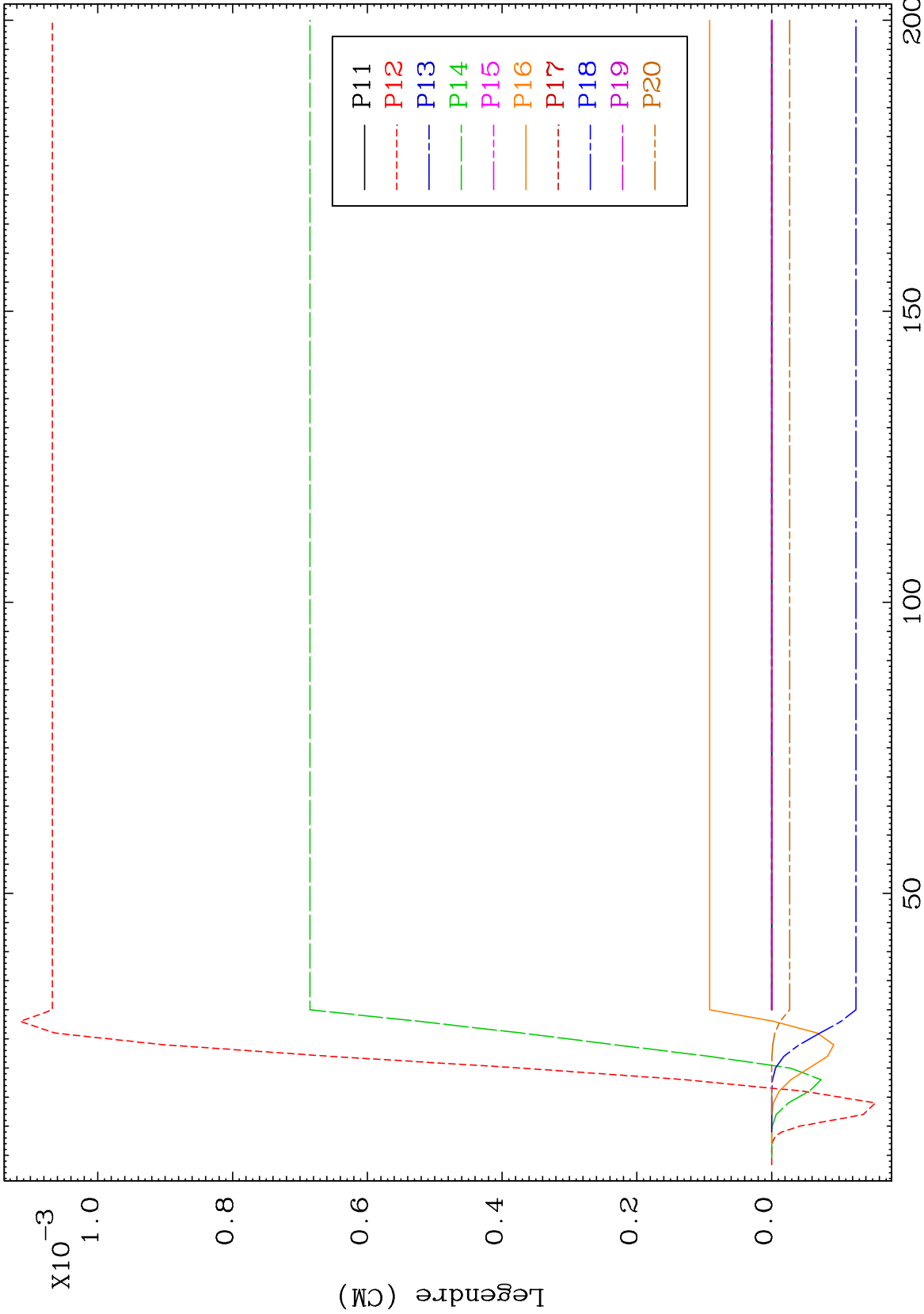


74 70-Yb-162

MAT 7007

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

70-Yb-162

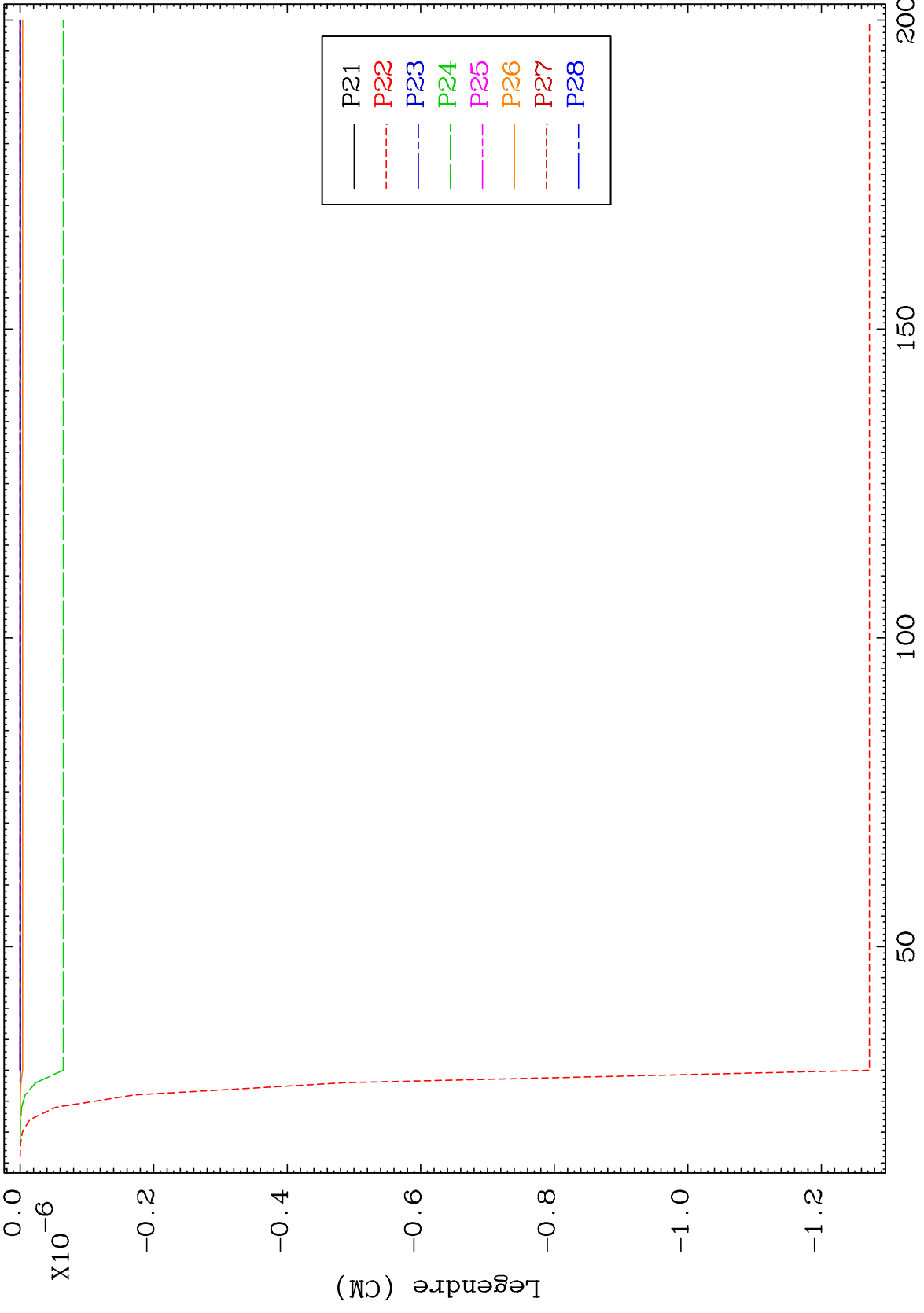


75

Incident Energy (MeV)

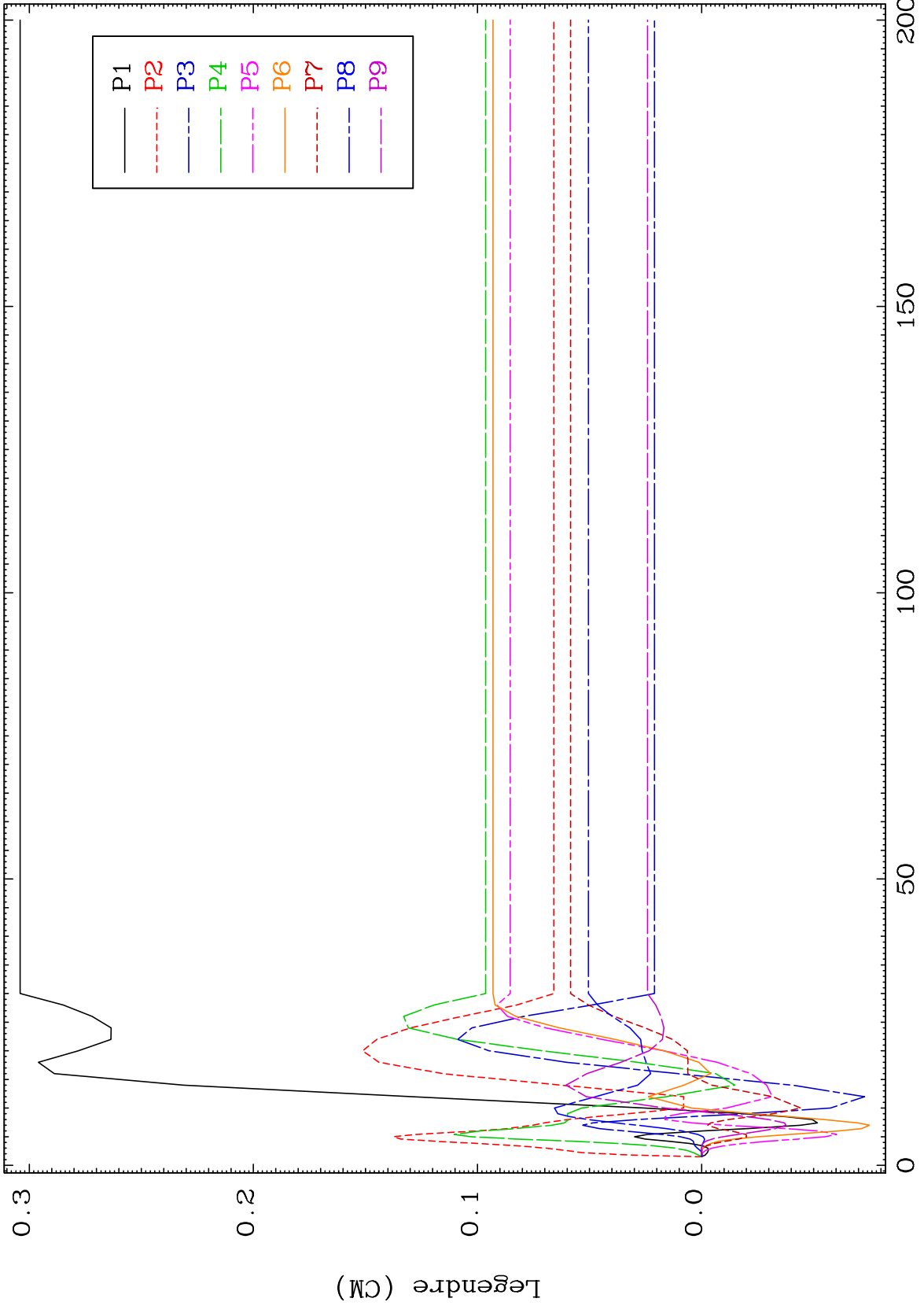
70-Yb-162

MAT 7007 MT= 65 (n,n') Level Legendre Coefficients 70-Yb-162



76 Incident Energy (MeV) 70-Yb-162

MAT 7007 MT= 66 (n,n') Level Legendre Coefficients 70-Yb-162

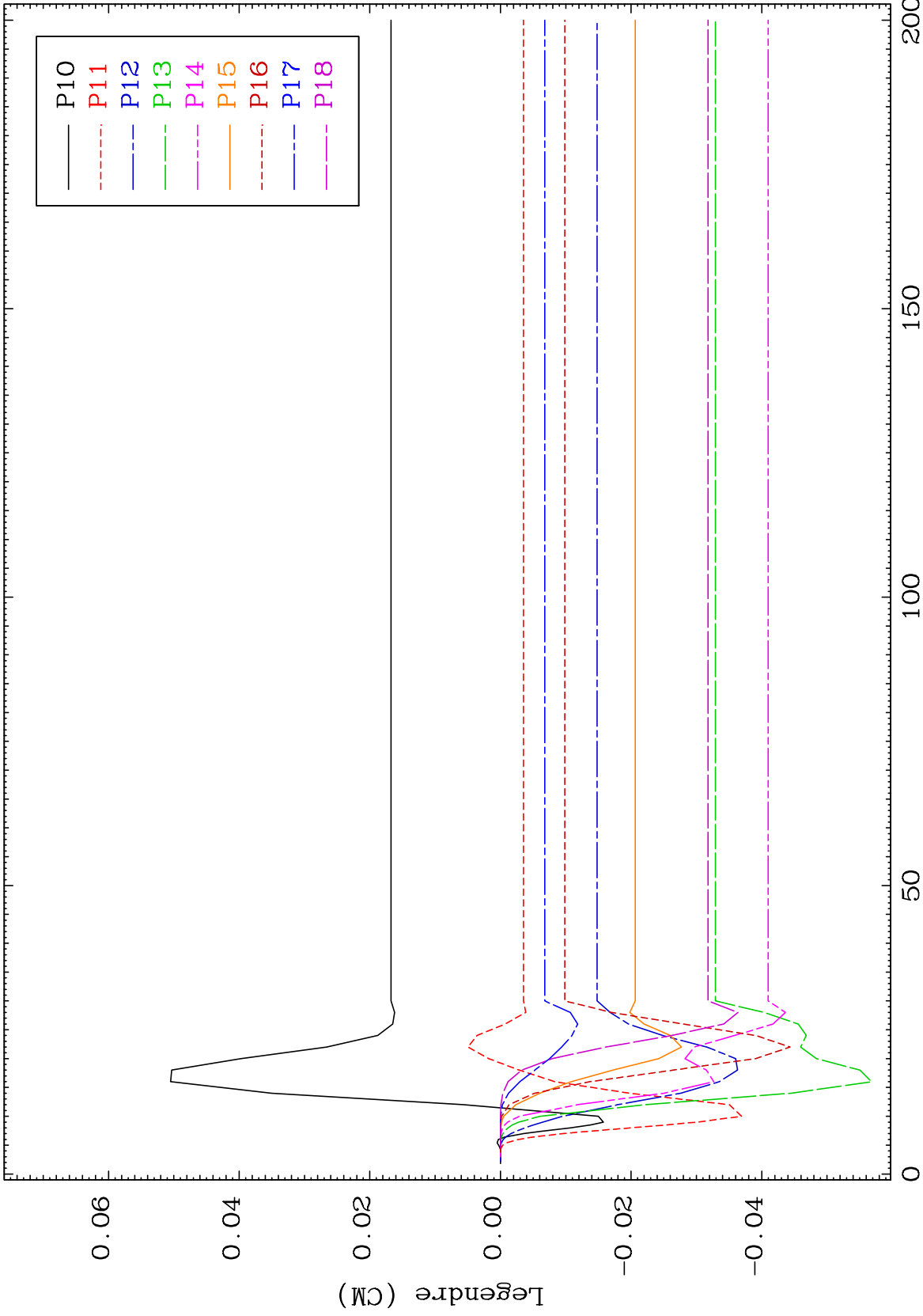


77 70-Yb-162

MAT 7007

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

70-Yb-162



78

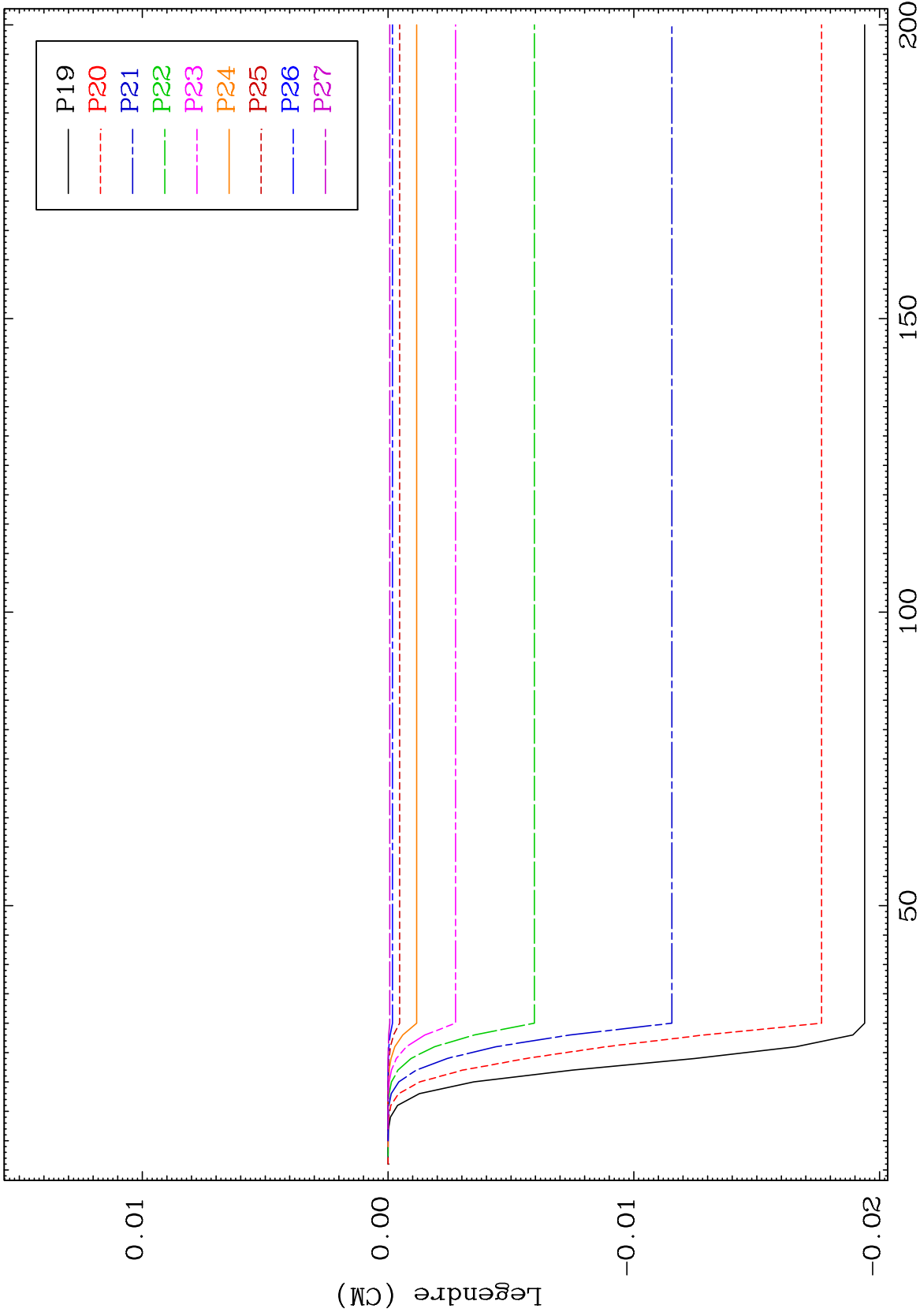
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162



79

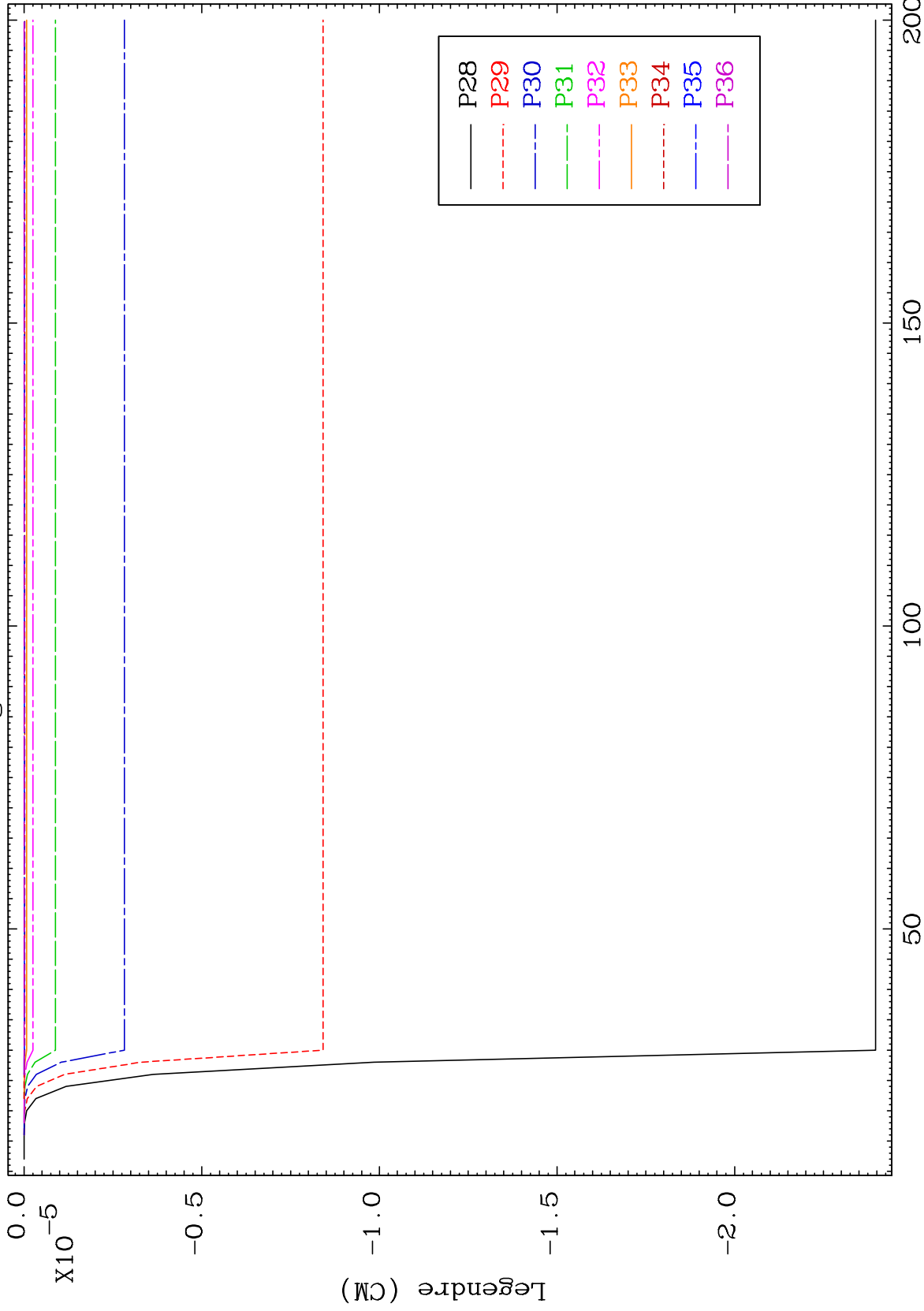
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162



70-Yb-162

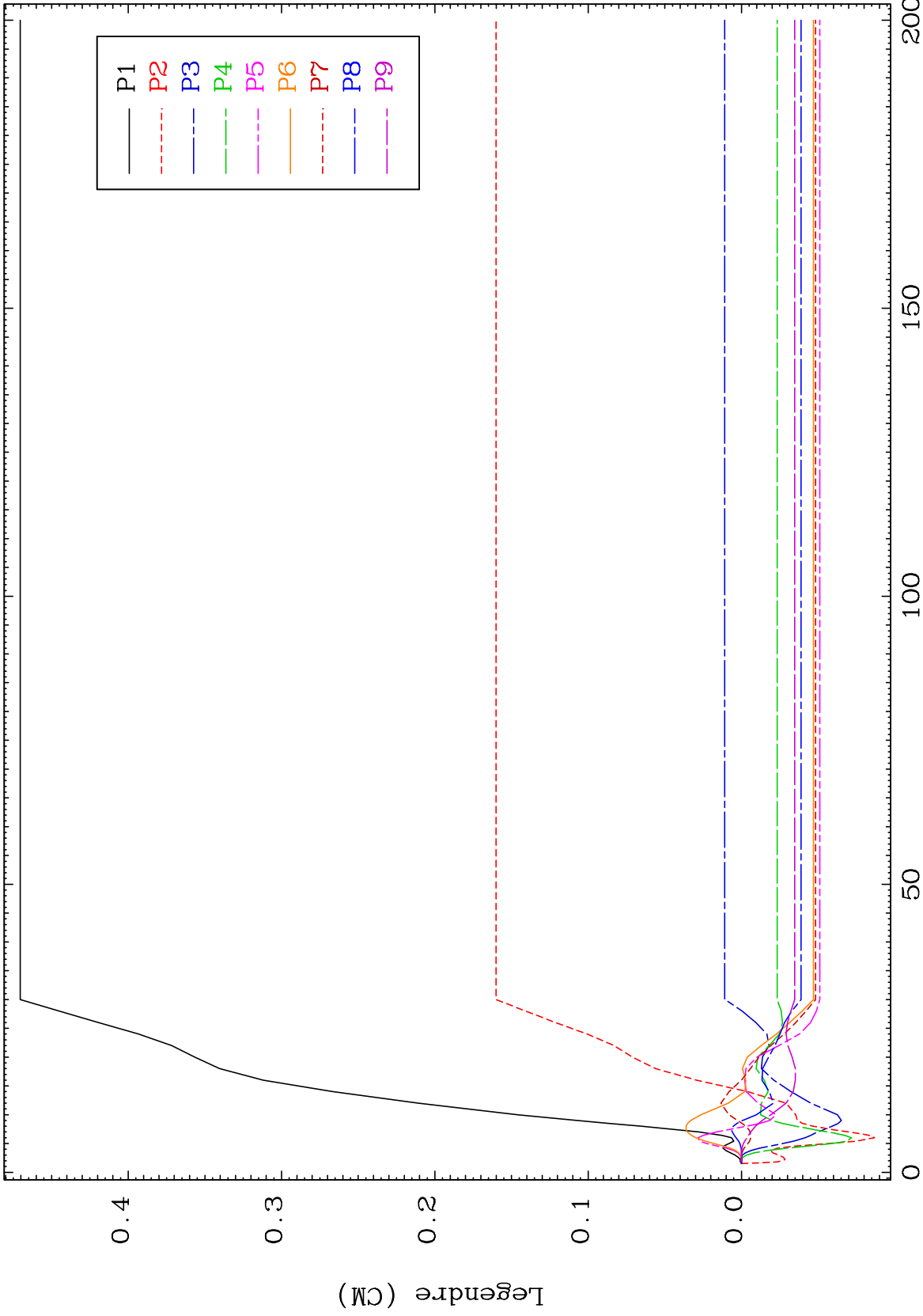
Incident Energy (MeV)

80

MAT 7007

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

70-Yb-162



81

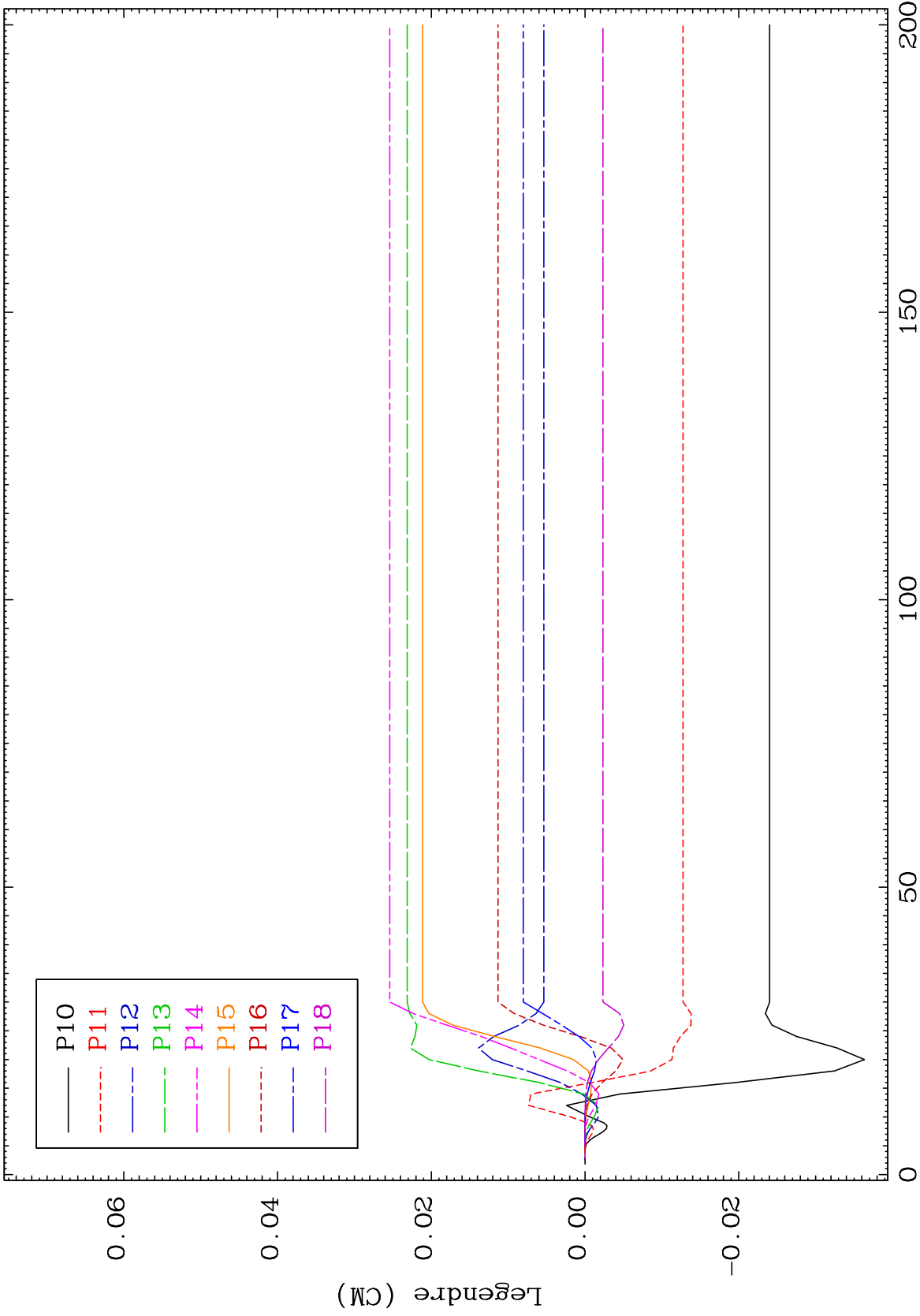
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162



82

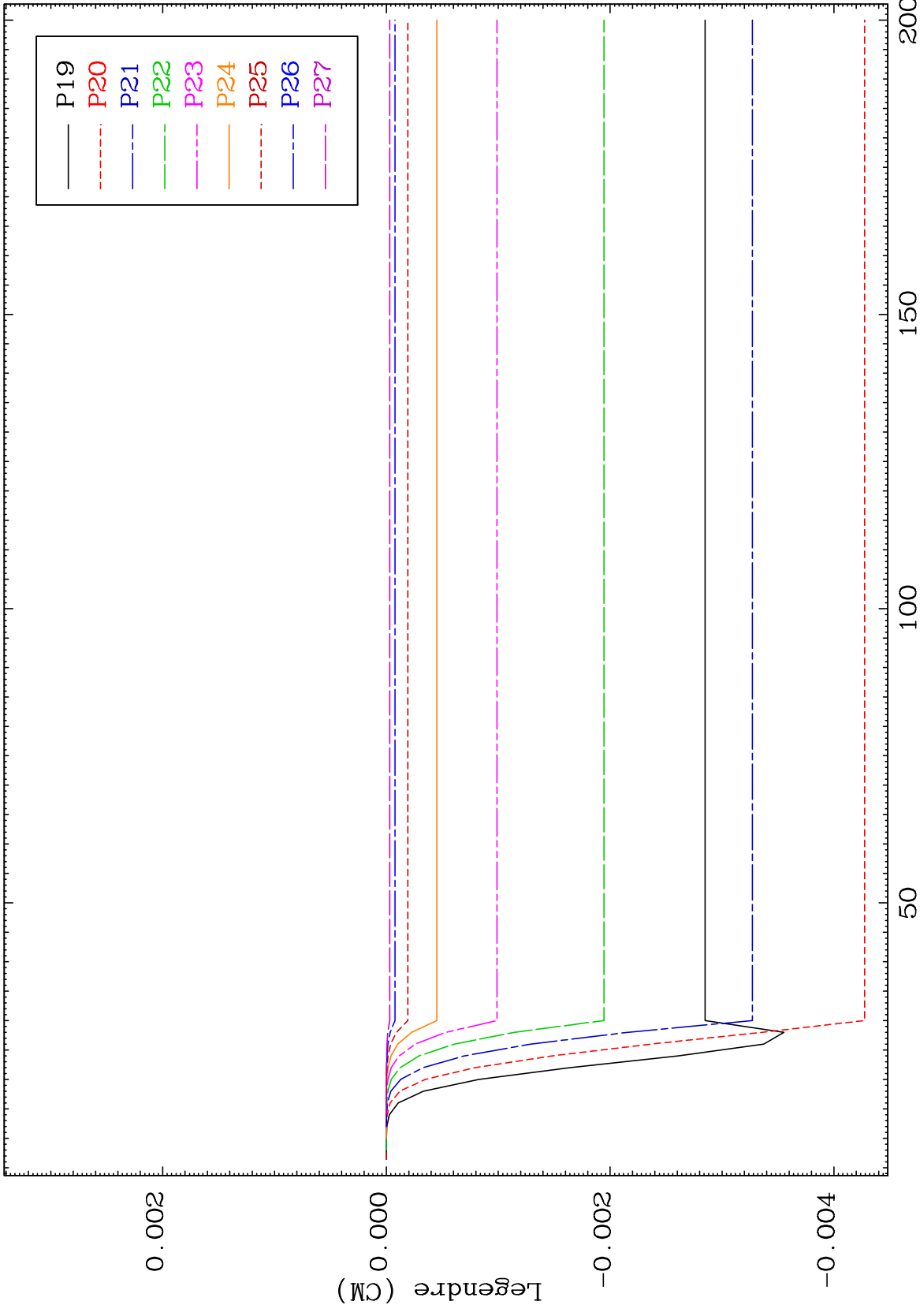
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162



83

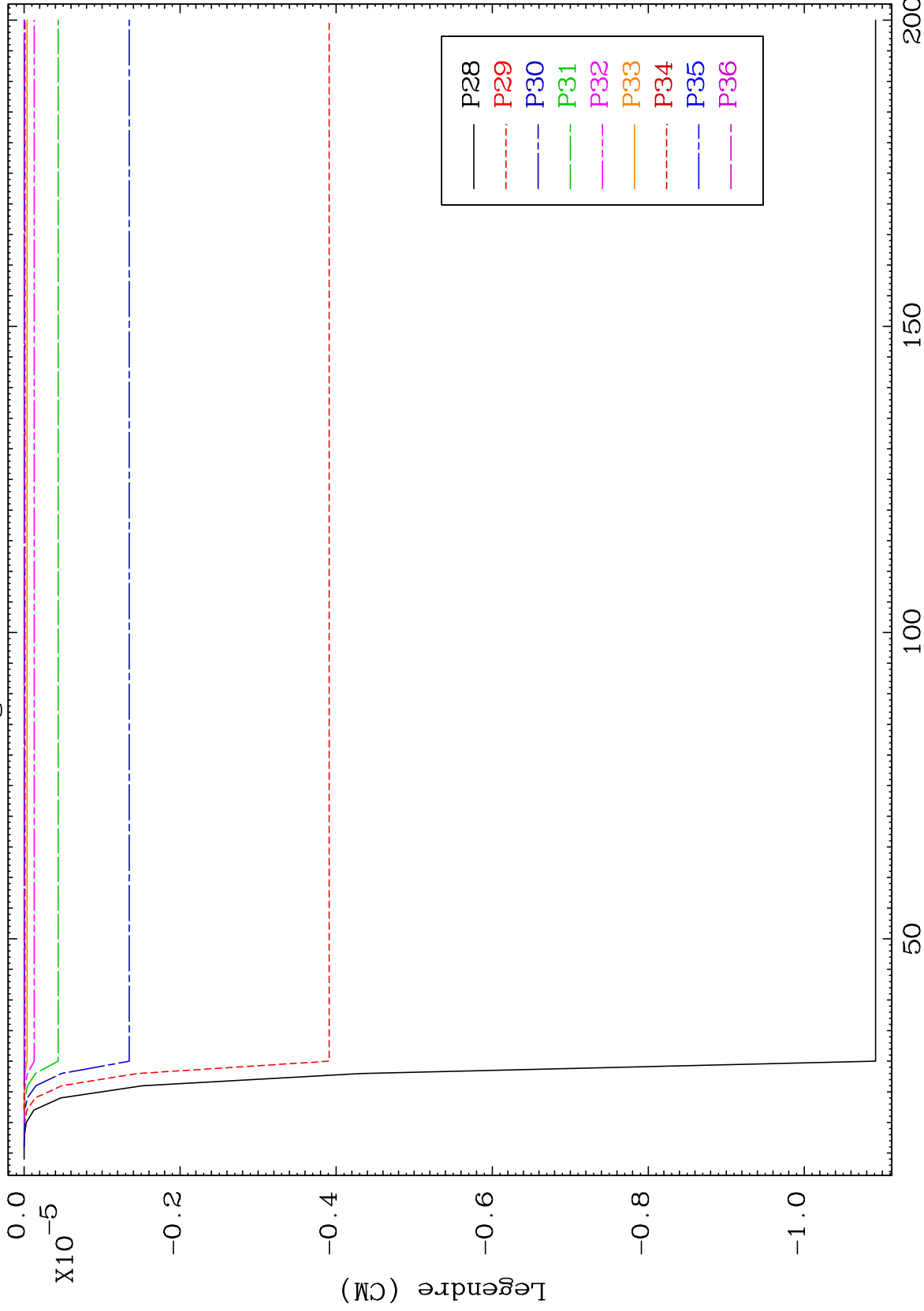
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162

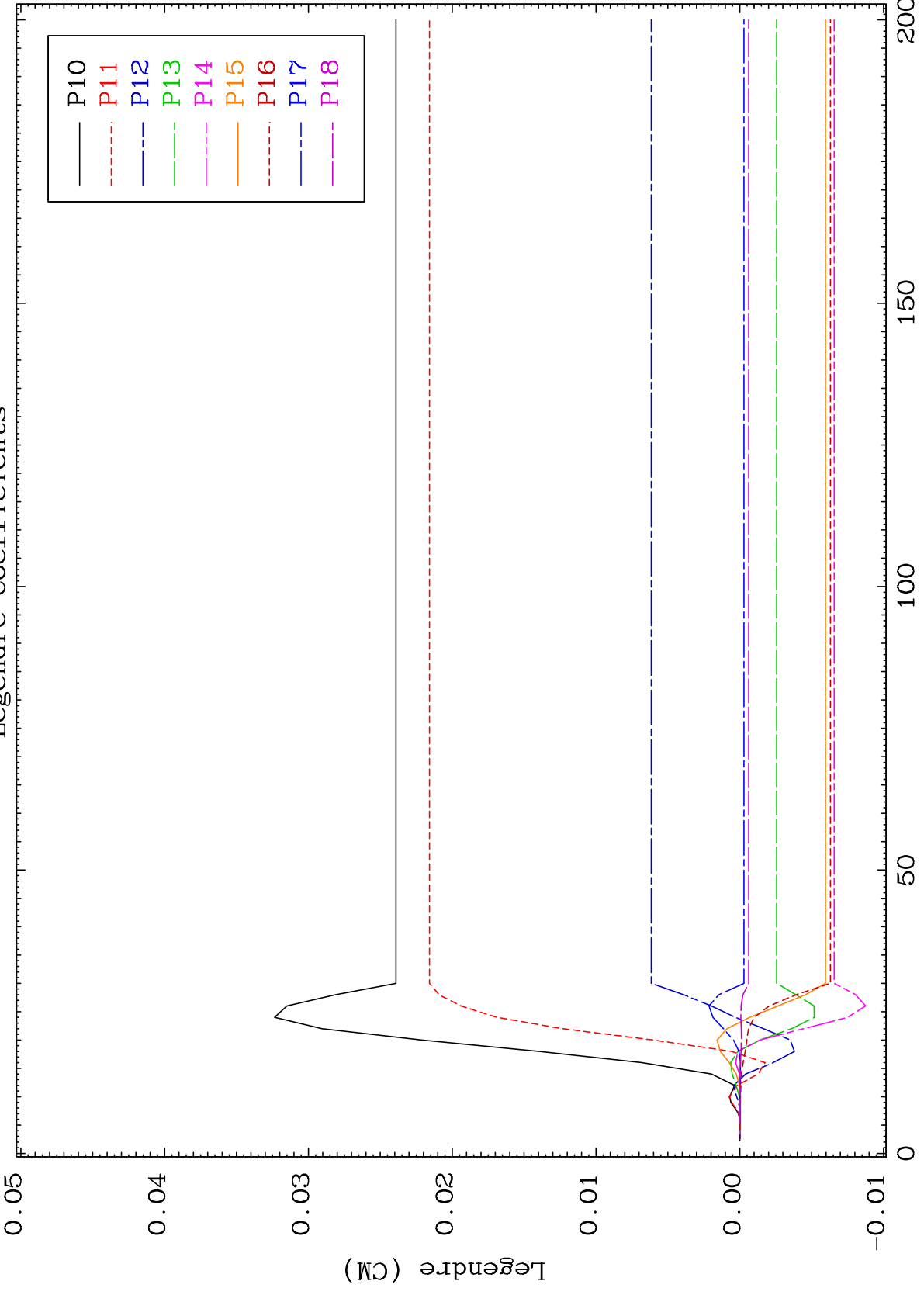


84

Incident Energy (MeV)

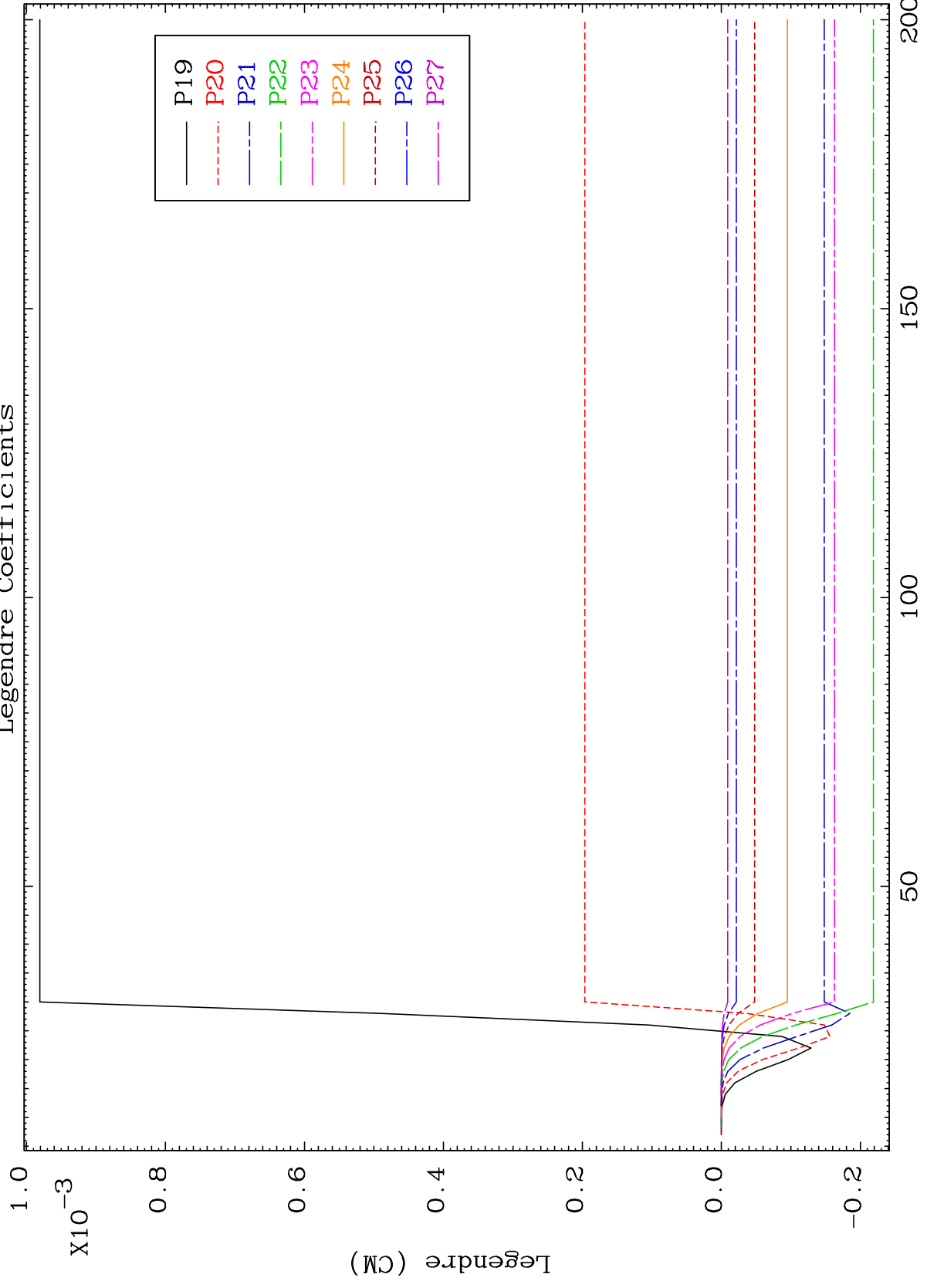
70-Yb-162

MAT 7007 MT= 68 (n,n') Level Legendre Coefficients 70-Yb-162



86 70-Yb-162

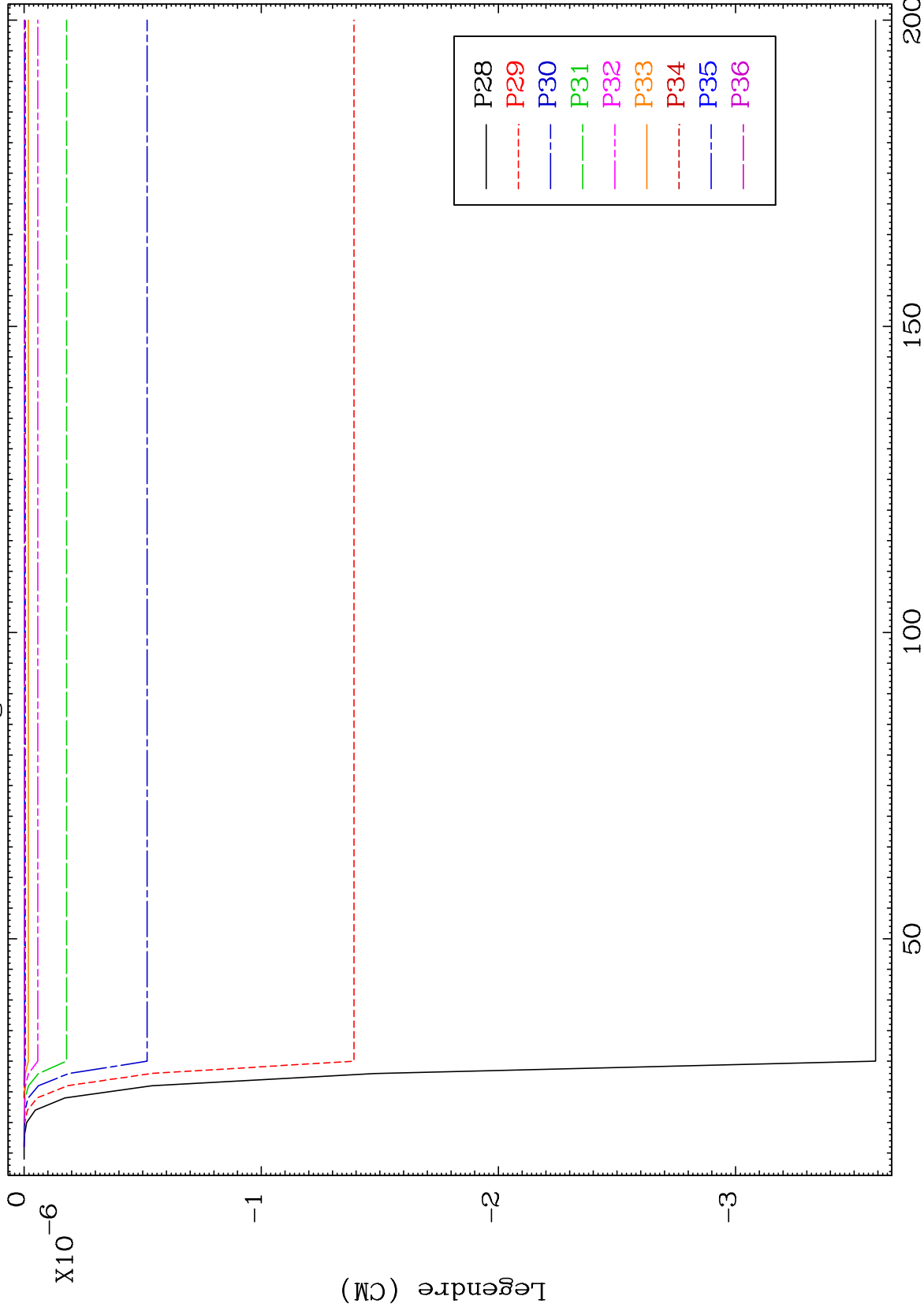
MAT 7007 MT= 68 (n,n') Level Legendre Coefficients 70-Yb-162



MAT 7007

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

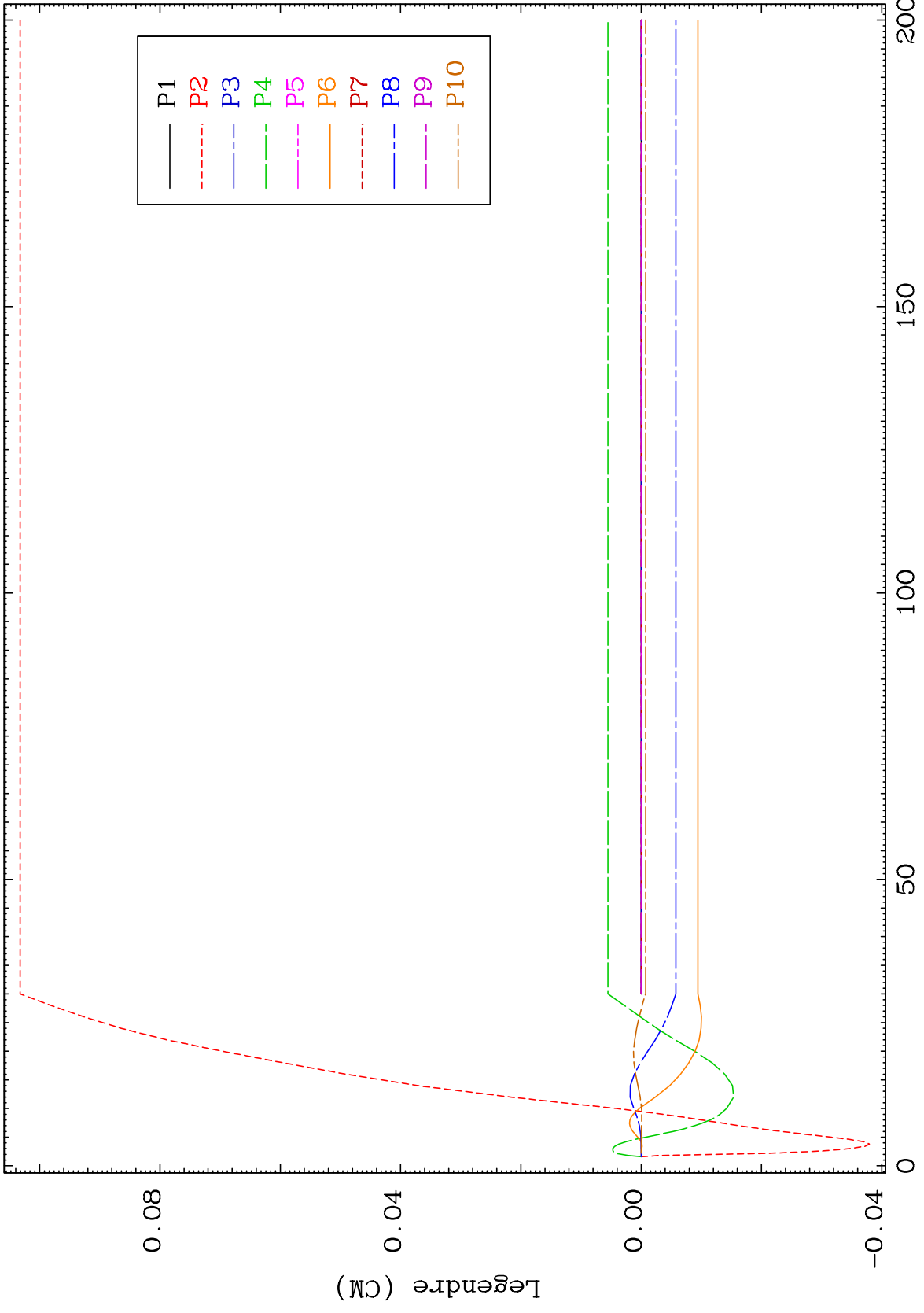
70-Yb-162



88

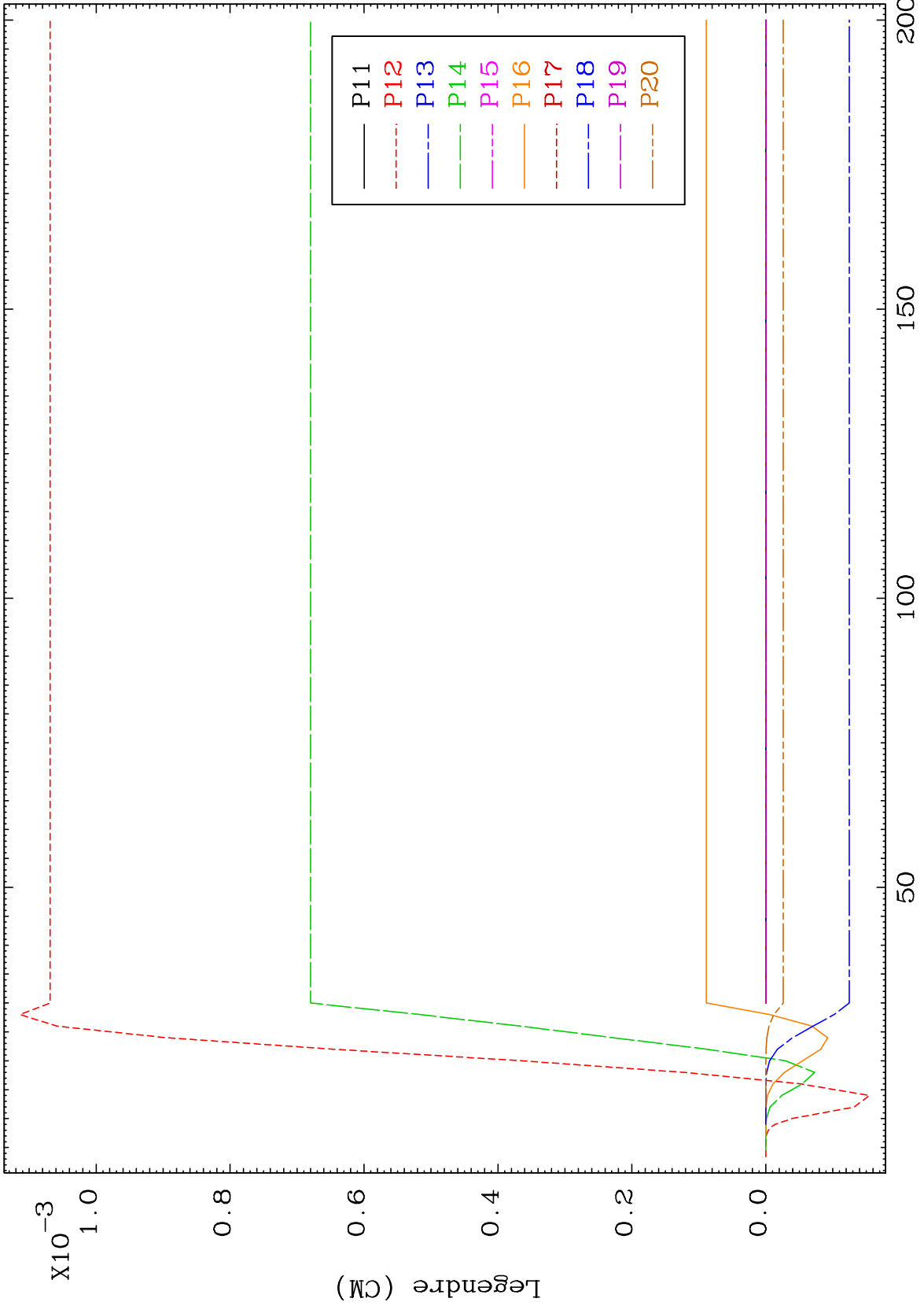
70-Yb-162

MAT 7007 MT= 69 (n,n') Level Legendre Coefficients 70-Yb-162

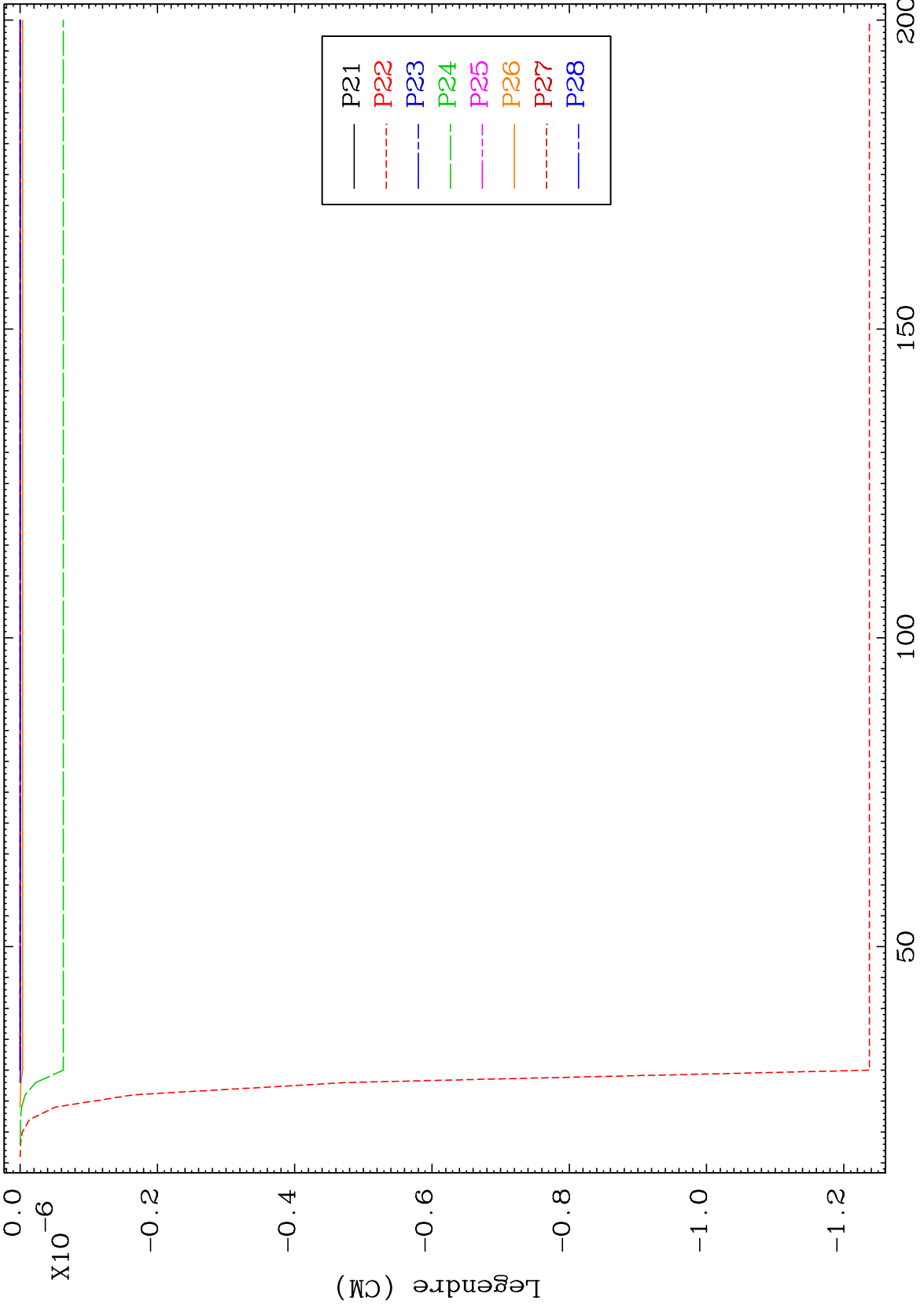


89 70-Yb-162

MAT 7007 MT= 69 (n,n') Level Legendre Coefficients 70-Yb-162



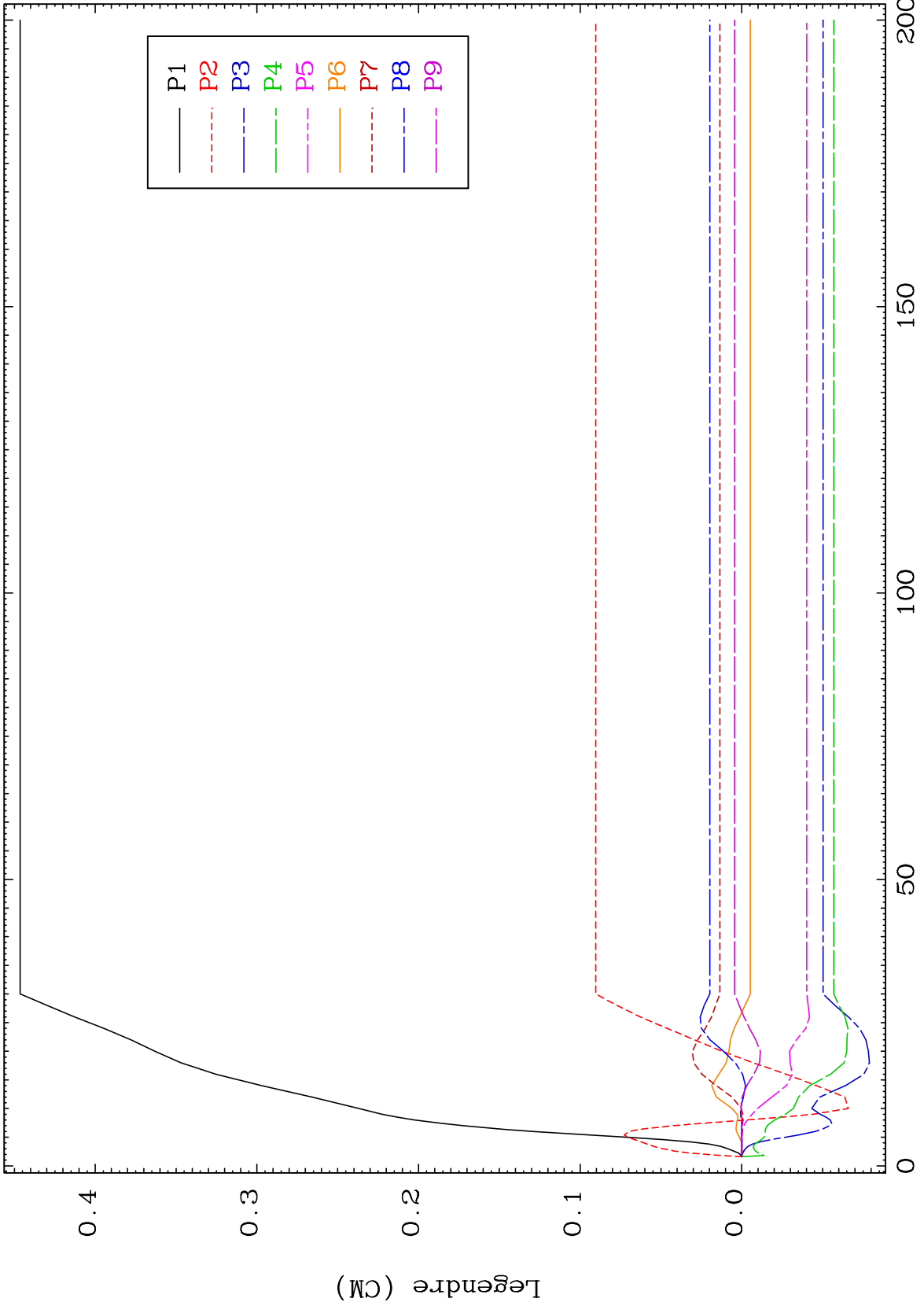
90 Incident Energy (MeV) 70-Yb-162



MAT 7007

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

70-Yb-162



92

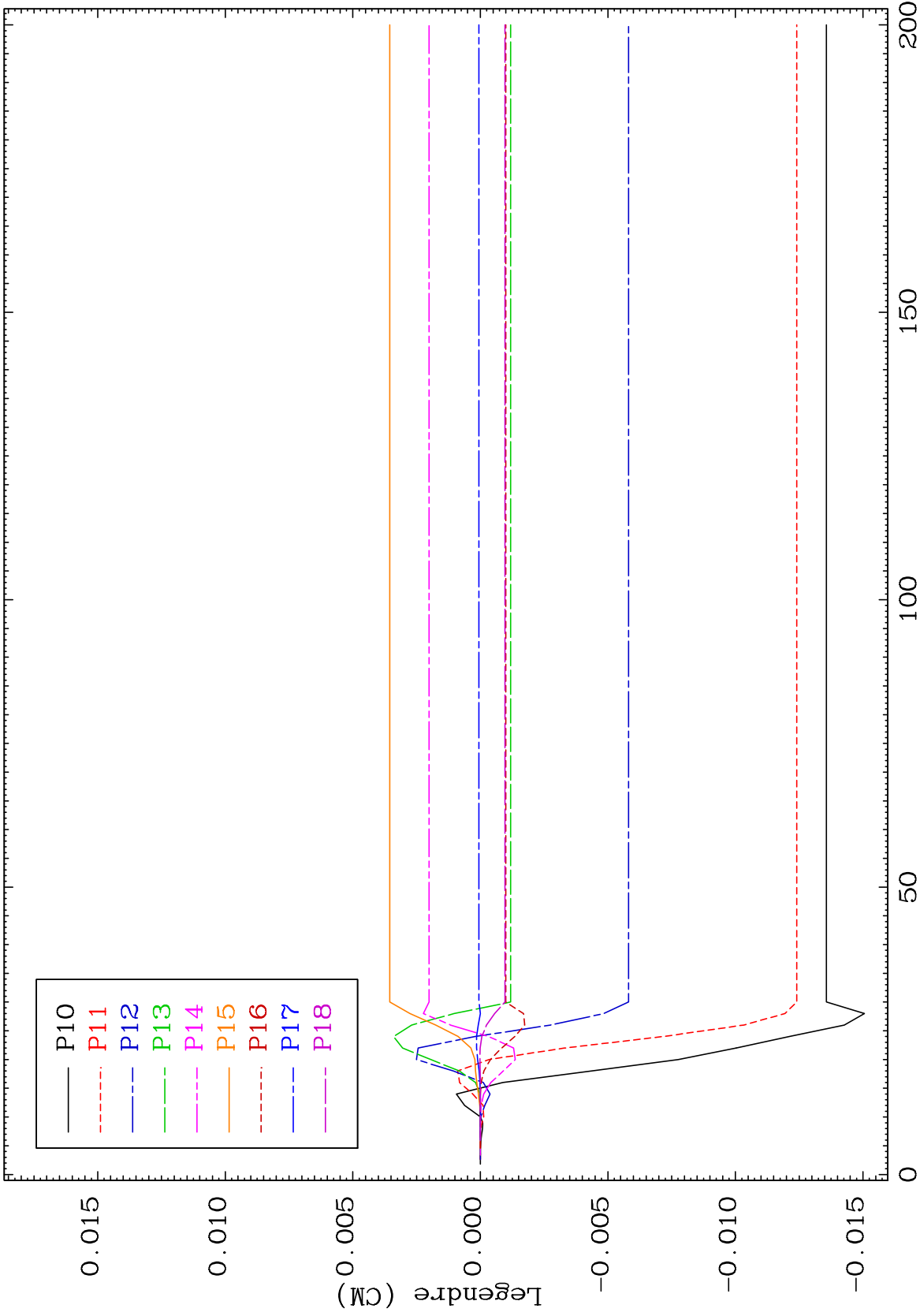
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162



93

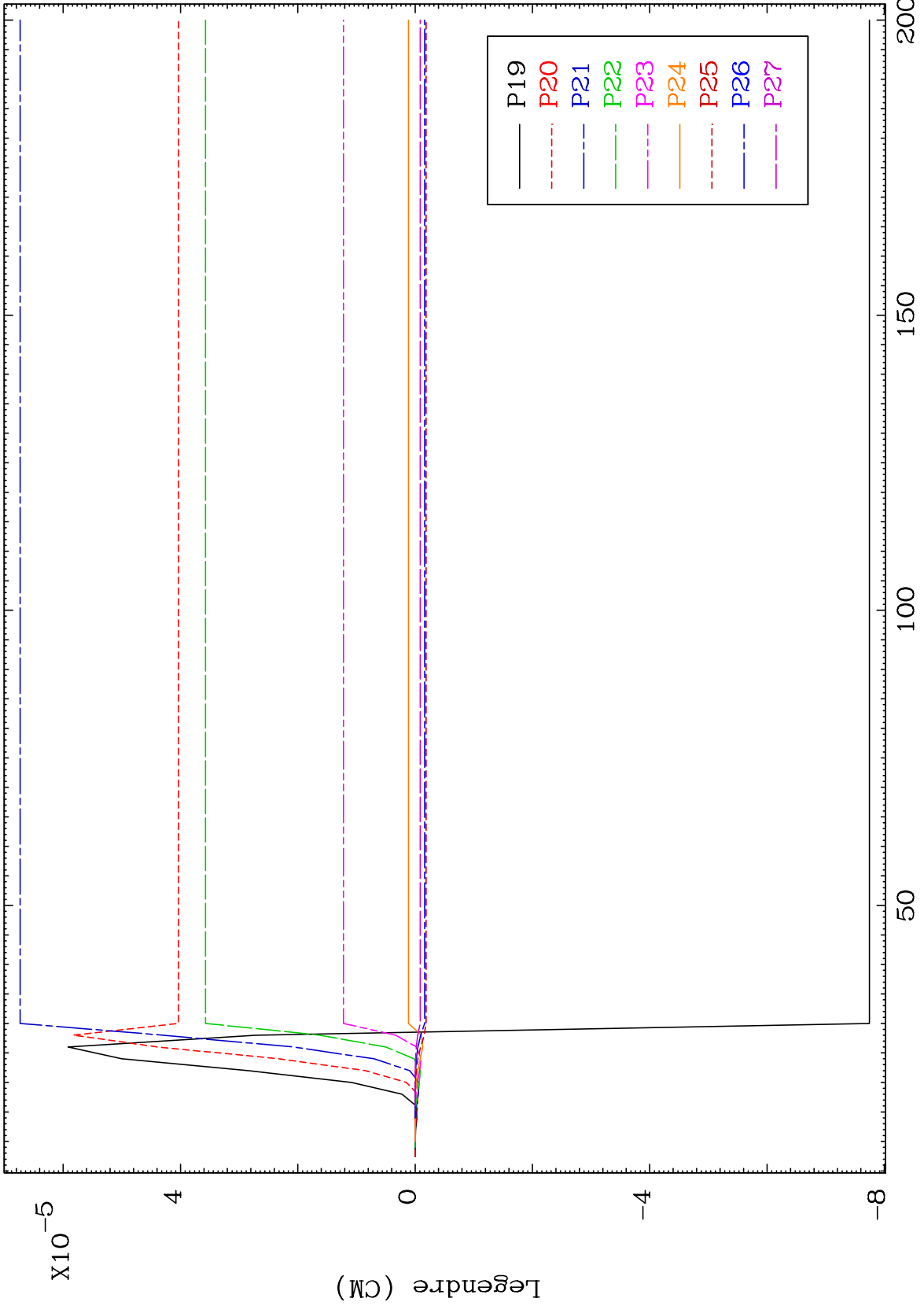
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162

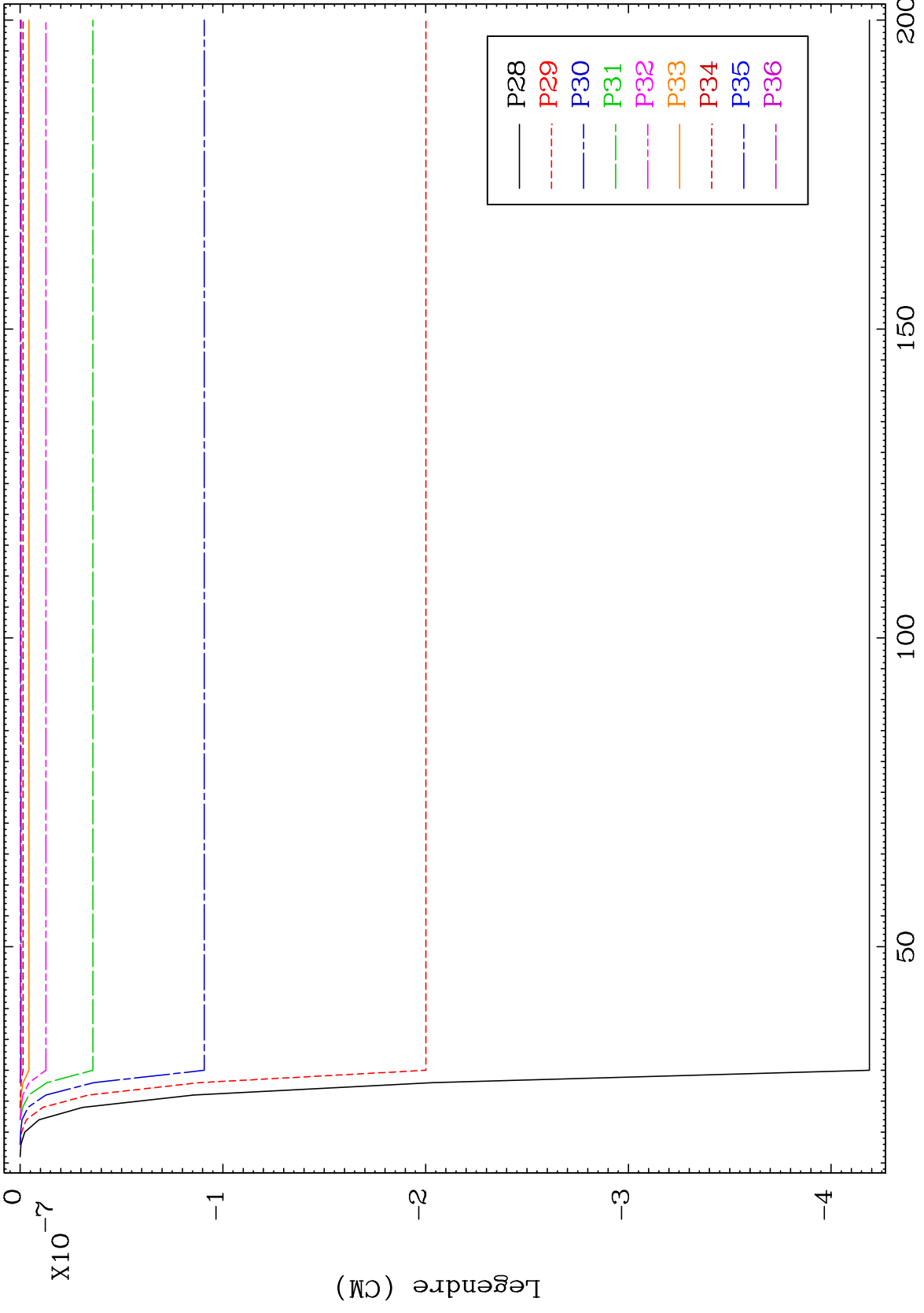


94

Incident Energy (MeV)

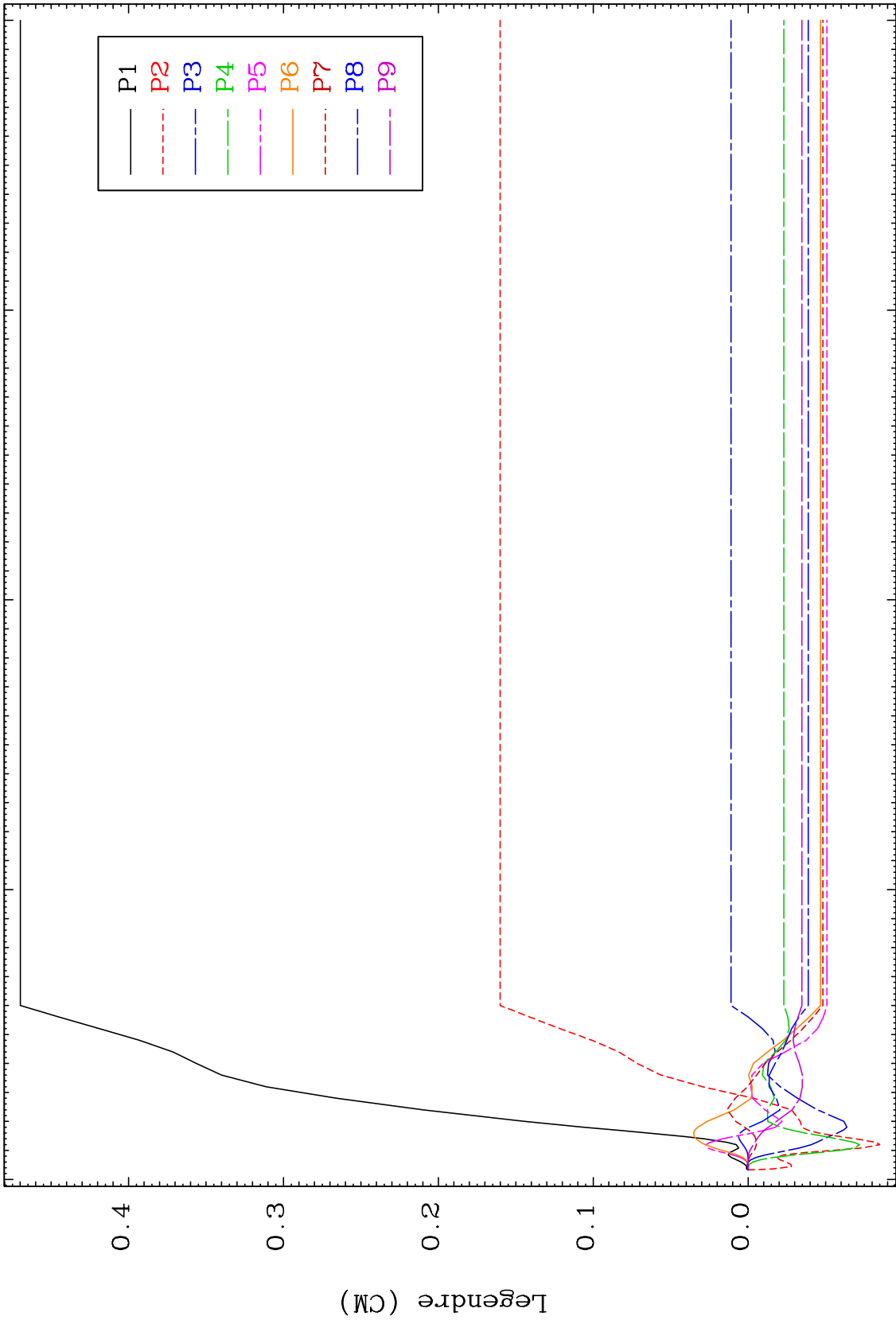
70-Yb-162

MAT 7007 MT= 70 (n,n') Level Legendre Coefficients 70-Yb-162



95 50 100 150 200 70-Yb-162

MAT 7007 MT= 71 (n,n') Level Legendre Coefficients 70-Yb-162

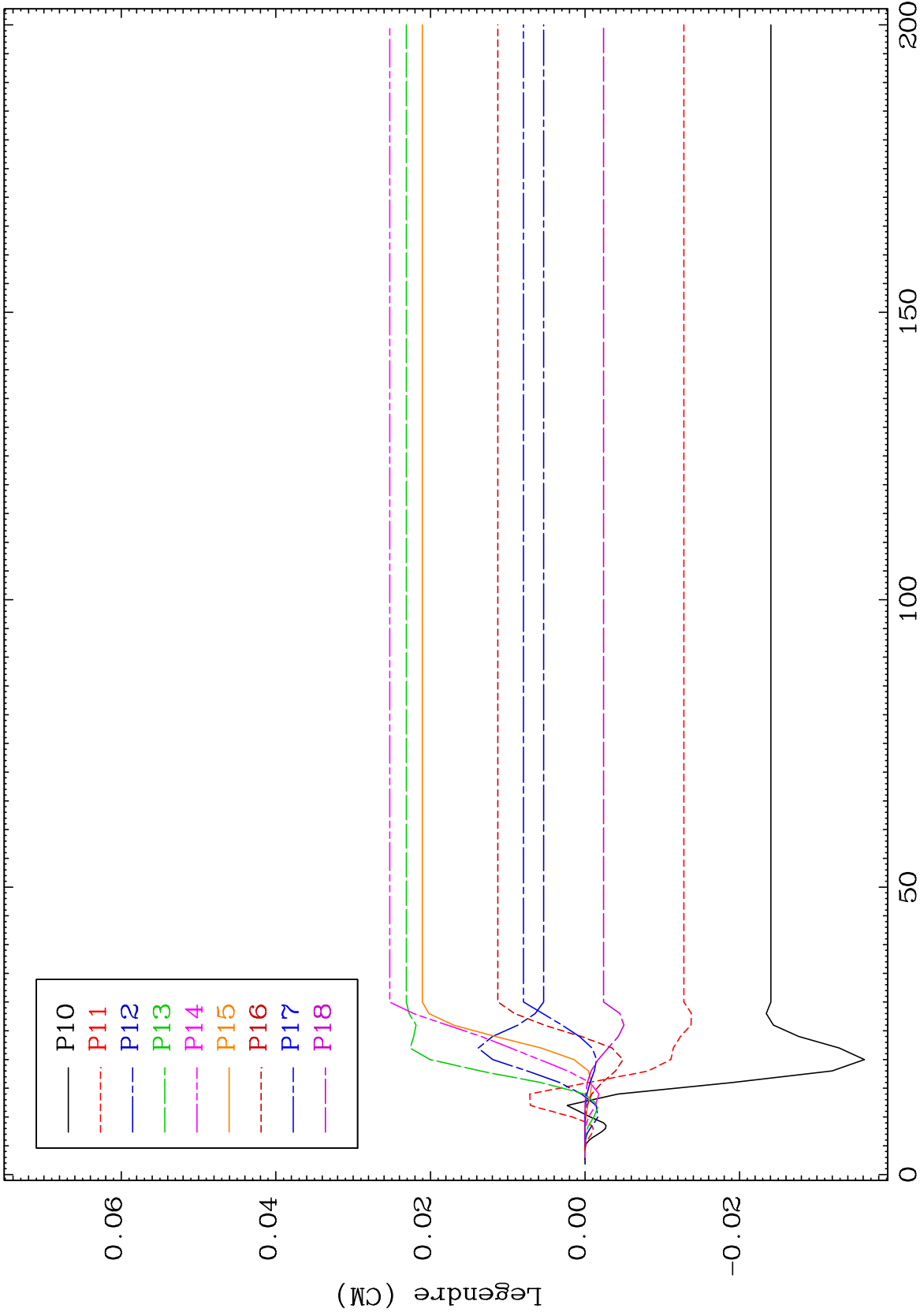


96 Incident Energy (MeV) 70-Yb-162

MAT 7007

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

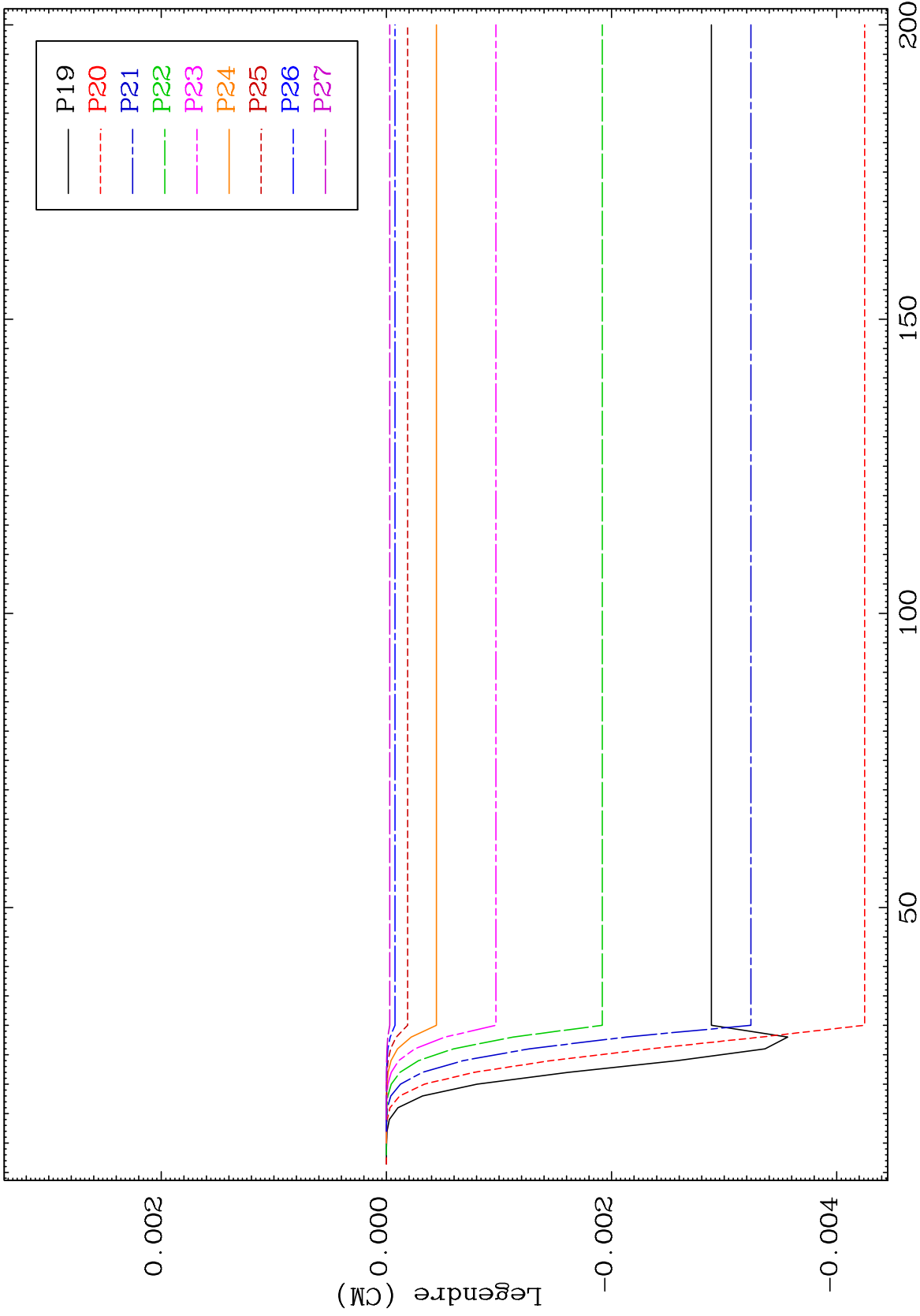
70-Yb-162



MAT 7007

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

70-Yb-162



98

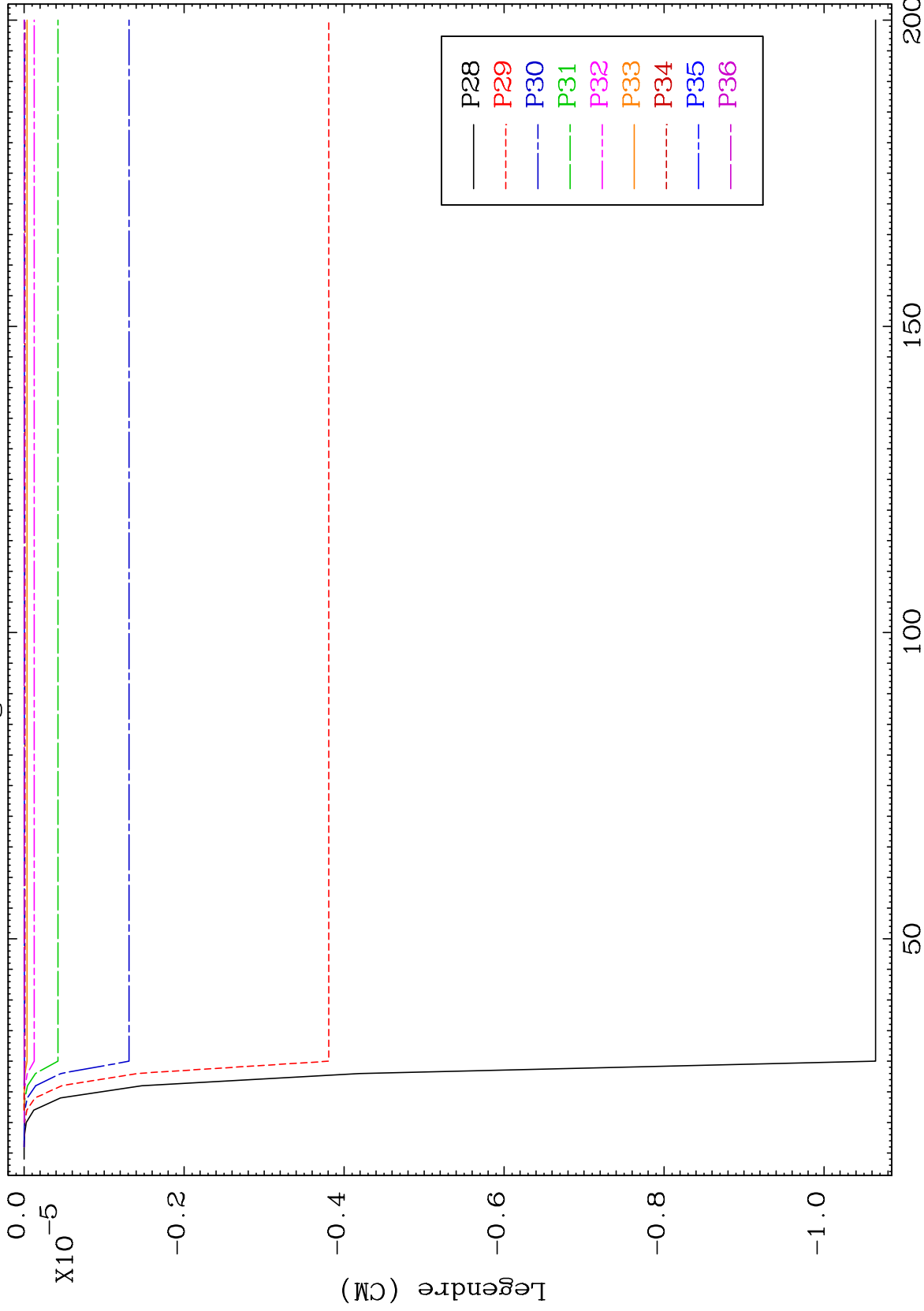
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162



99

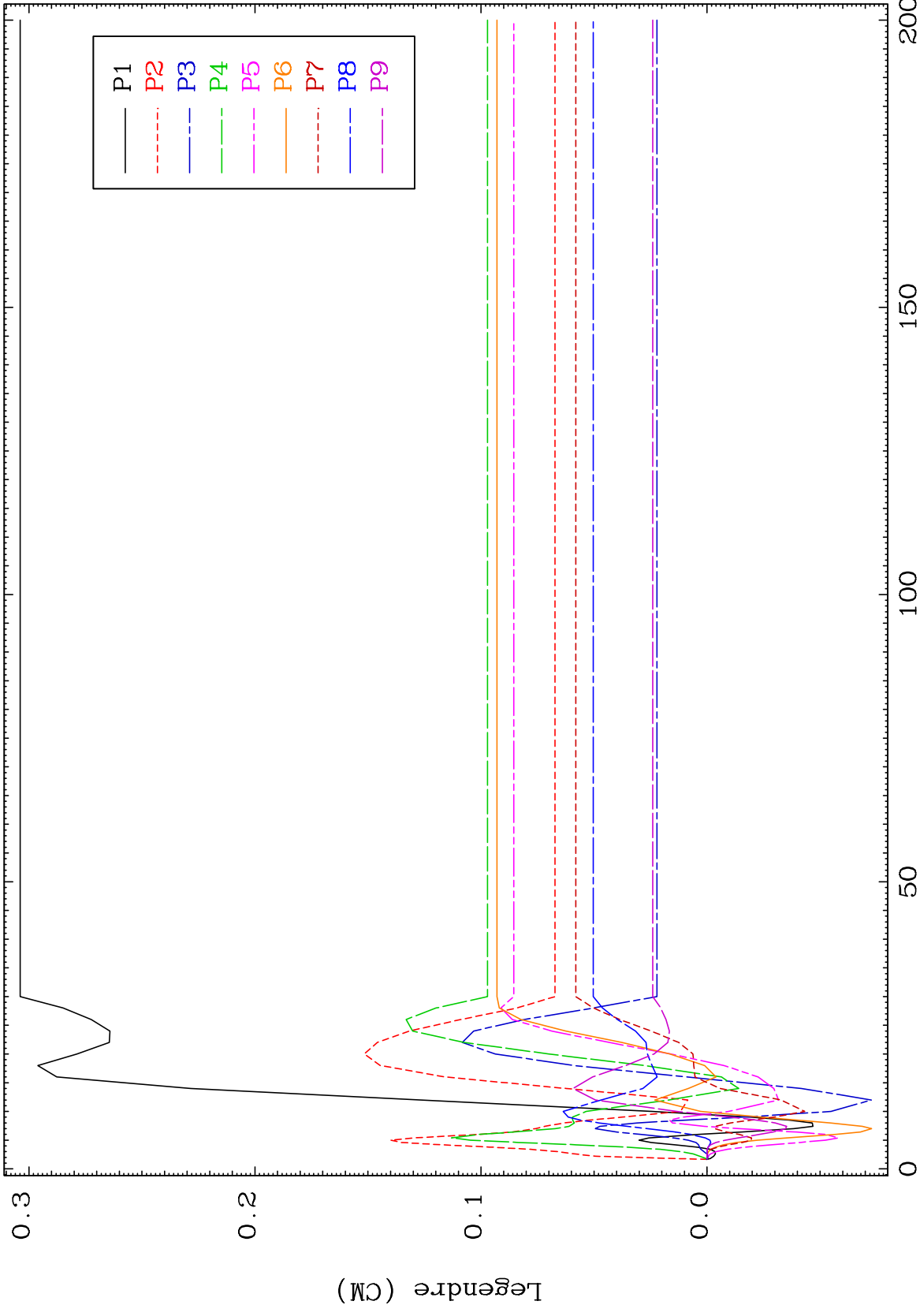
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162



70-Yb-162

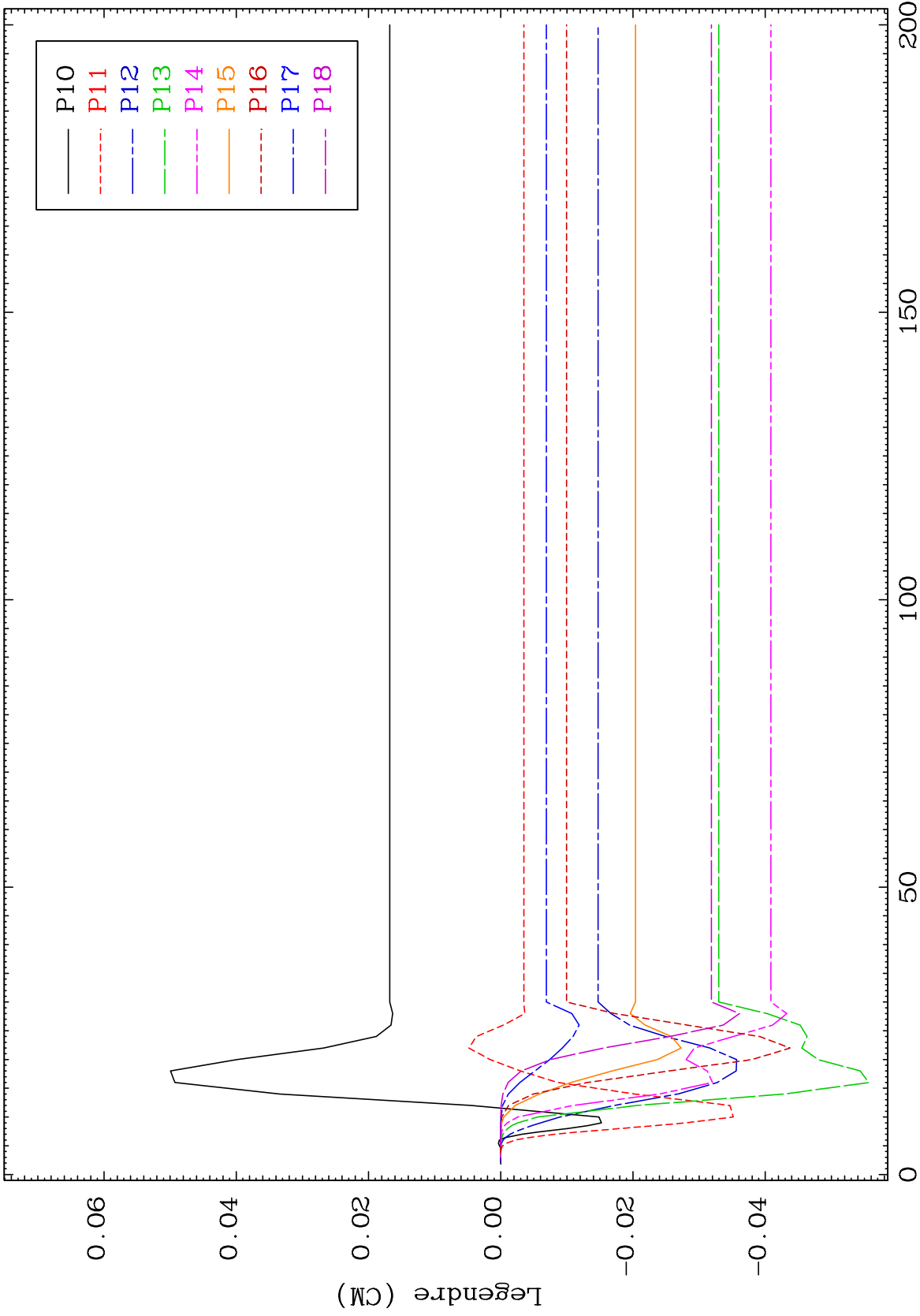
Incident Energy (MeV)

100

MAT 7007

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

70-Yb-162



101

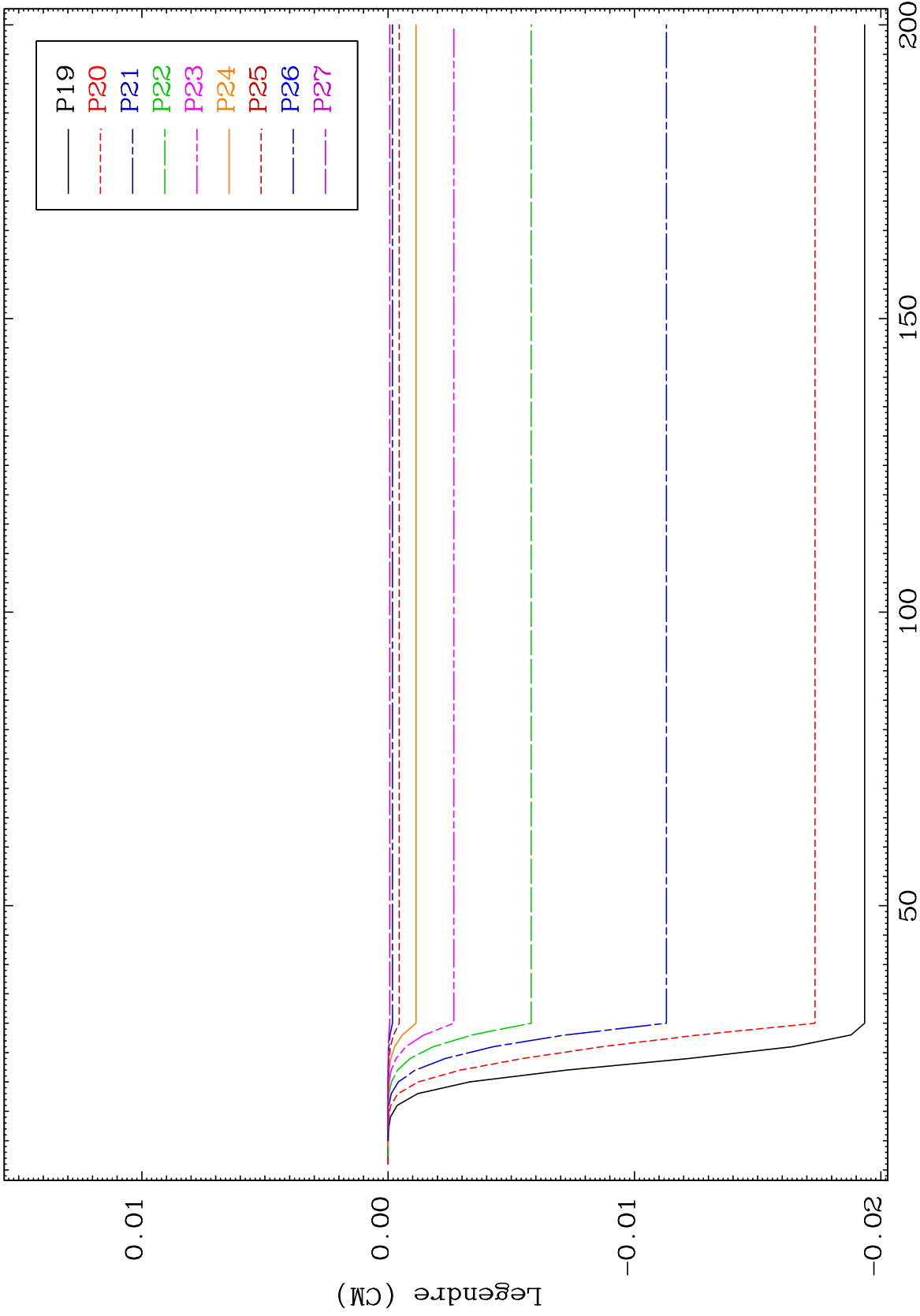
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162

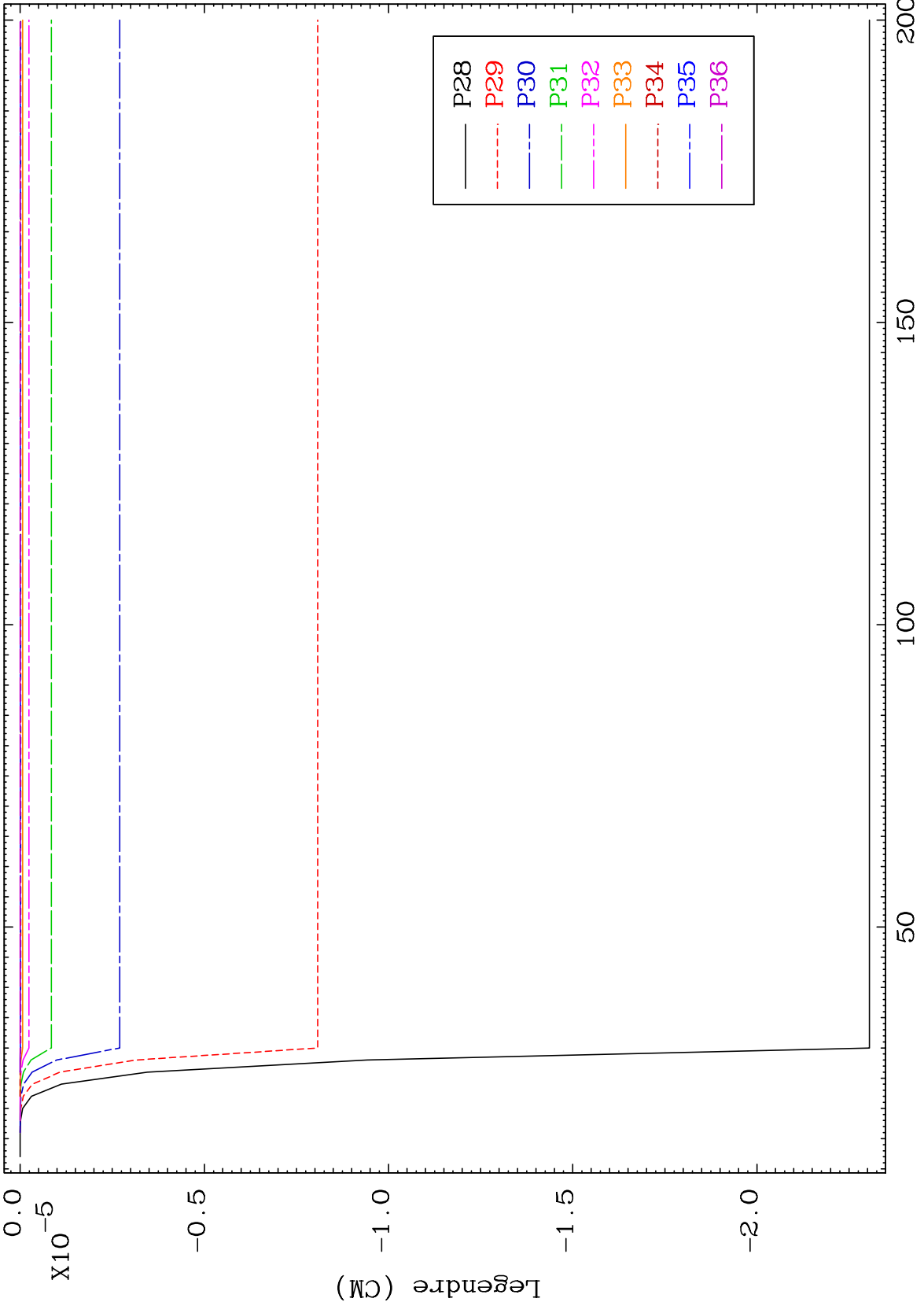


102

Incident Energy (MeV)

70-Yb-162

MAT 7007 MT= 72 (n,n') Level Legendre Coefficients 70-Yb-162

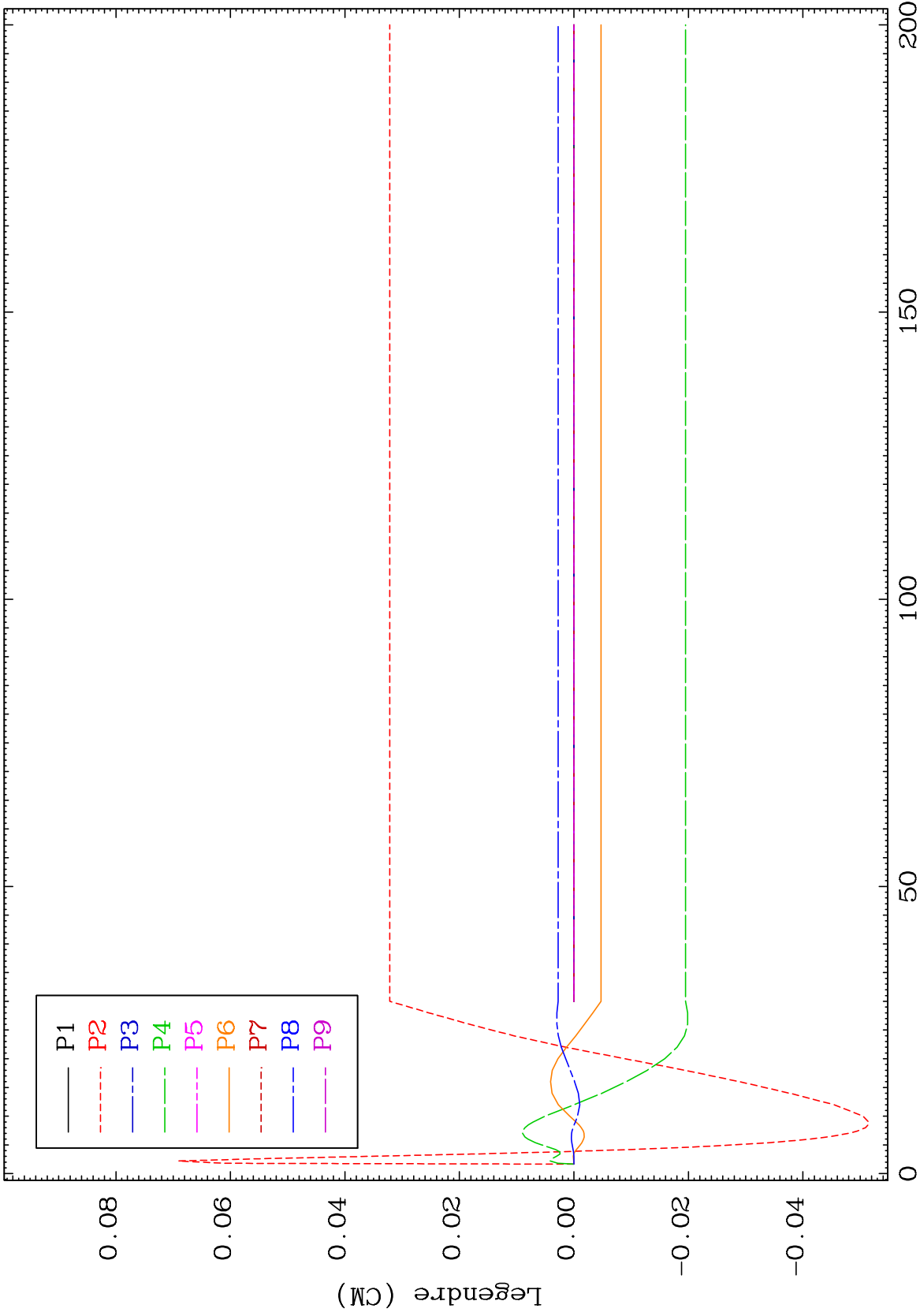


103 70-Yb-162

MAT 7007

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

70-Yb-162



104

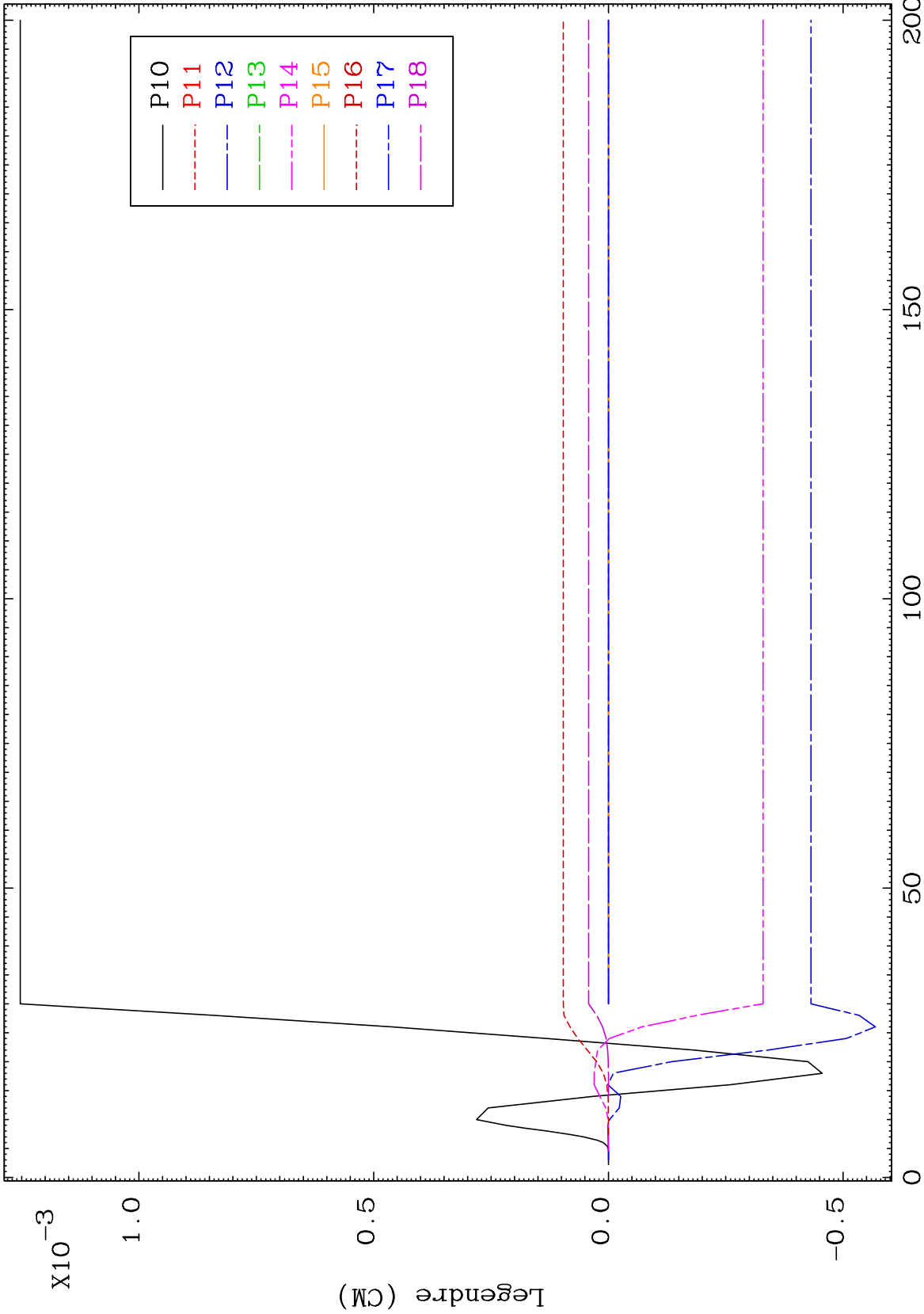
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162

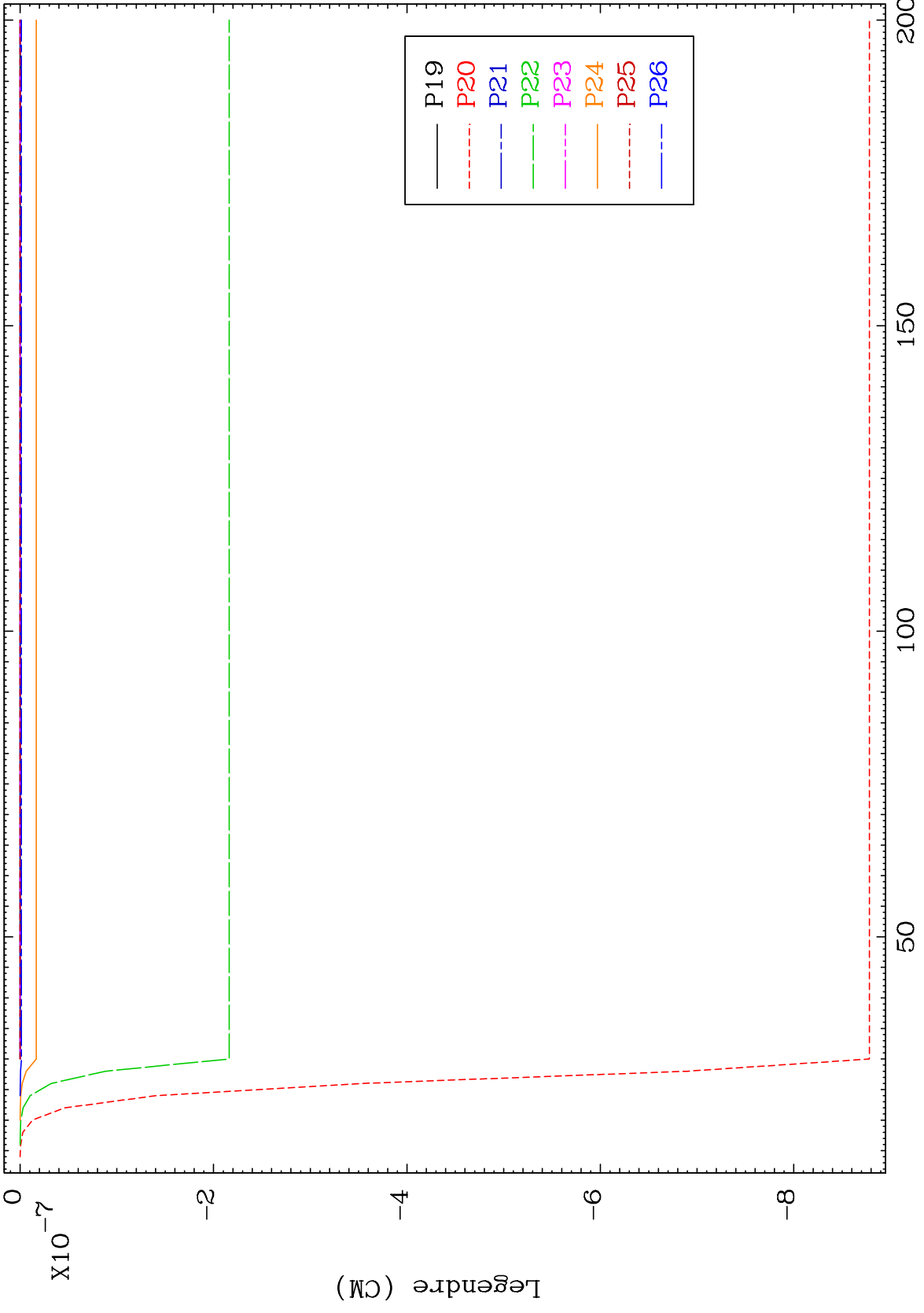


105

Incident Energy (MeV)

70-Yb-162

MAT 7007 MT= 73 (n,n') Level Legendre Coefficients 70-Yb-162

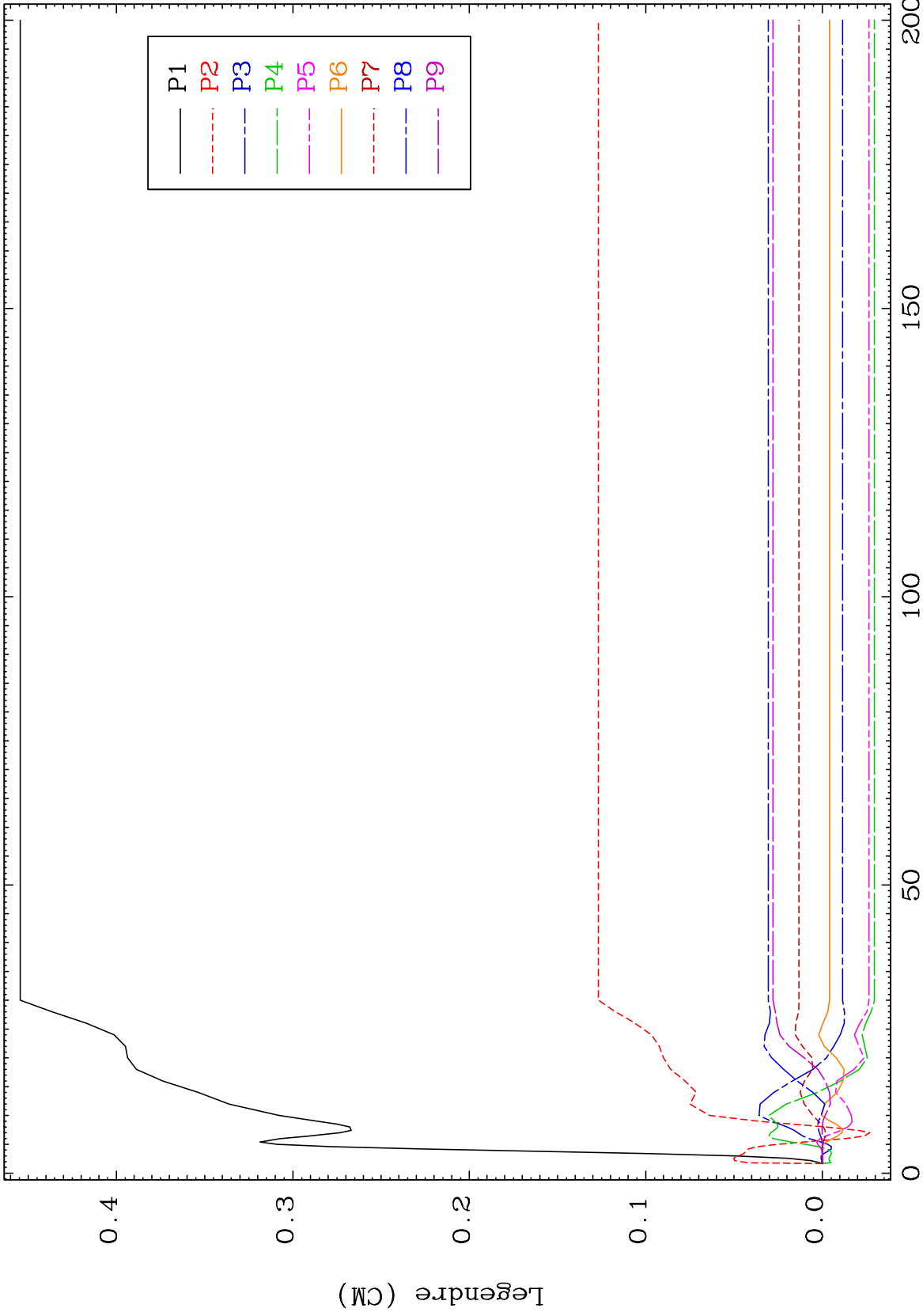


106 70-Yb-162

MAT 7007

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

70-Yb-162



107

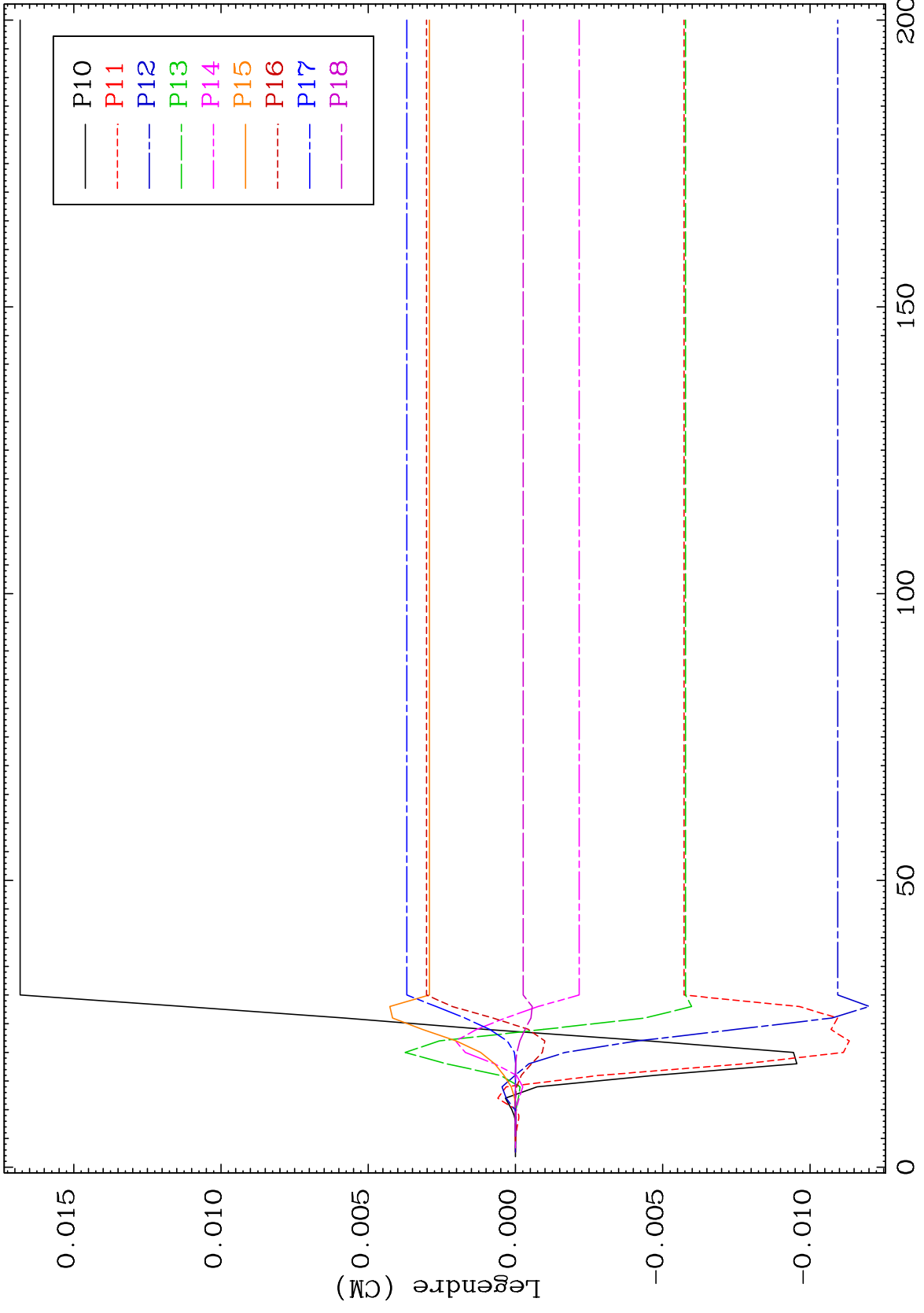
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162



108

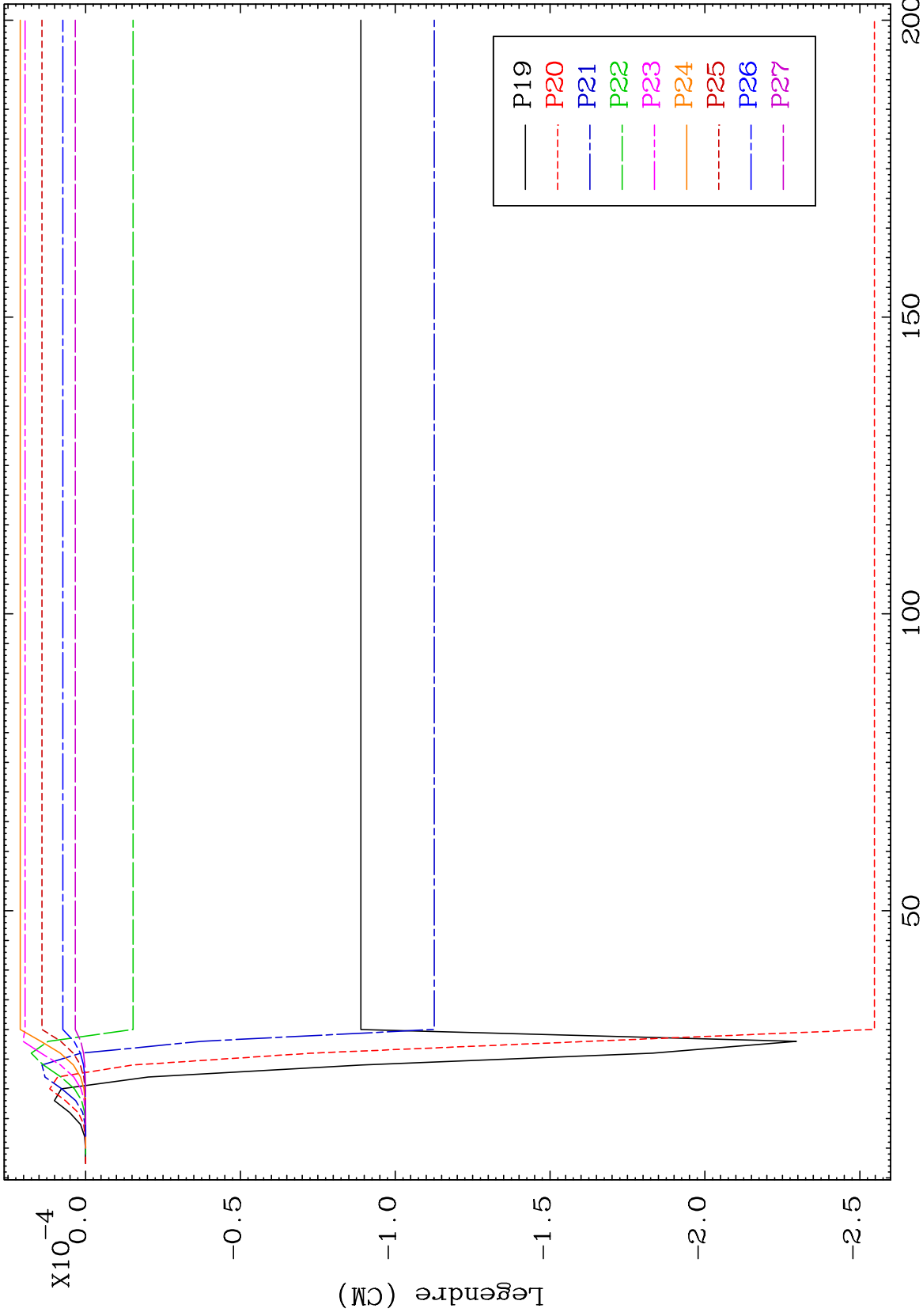
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162



109

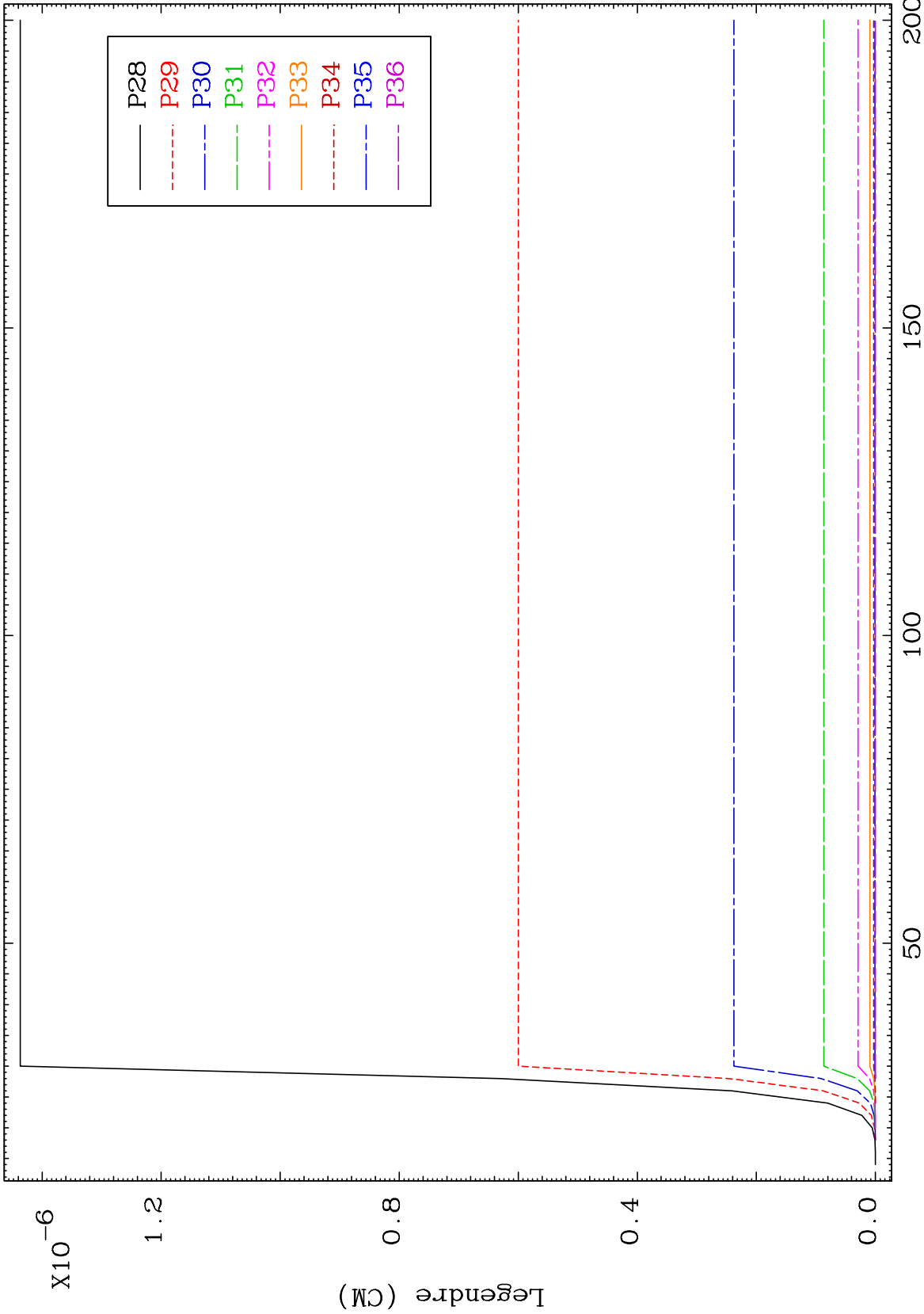
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162

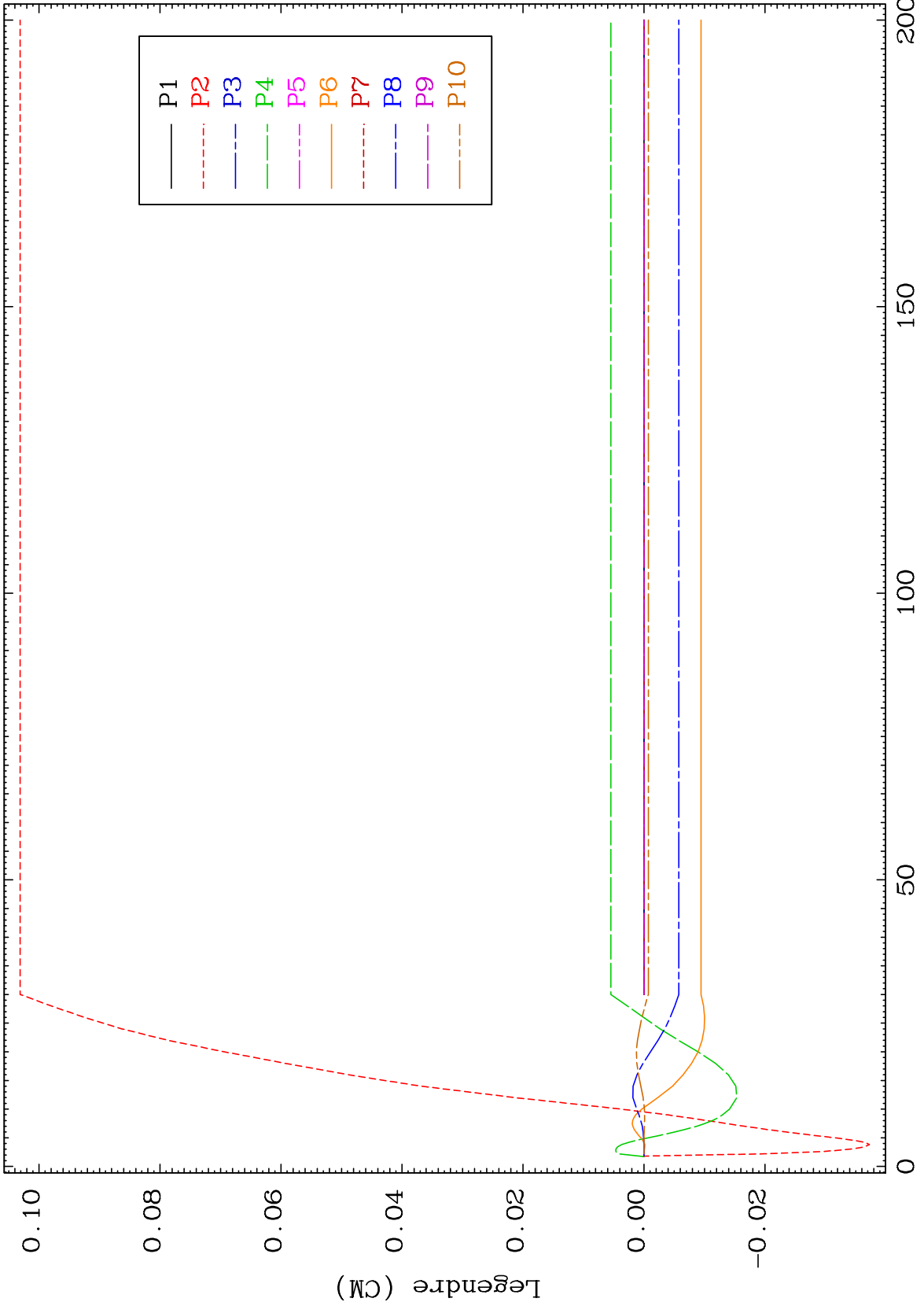


110

Incident Energy (MeV)

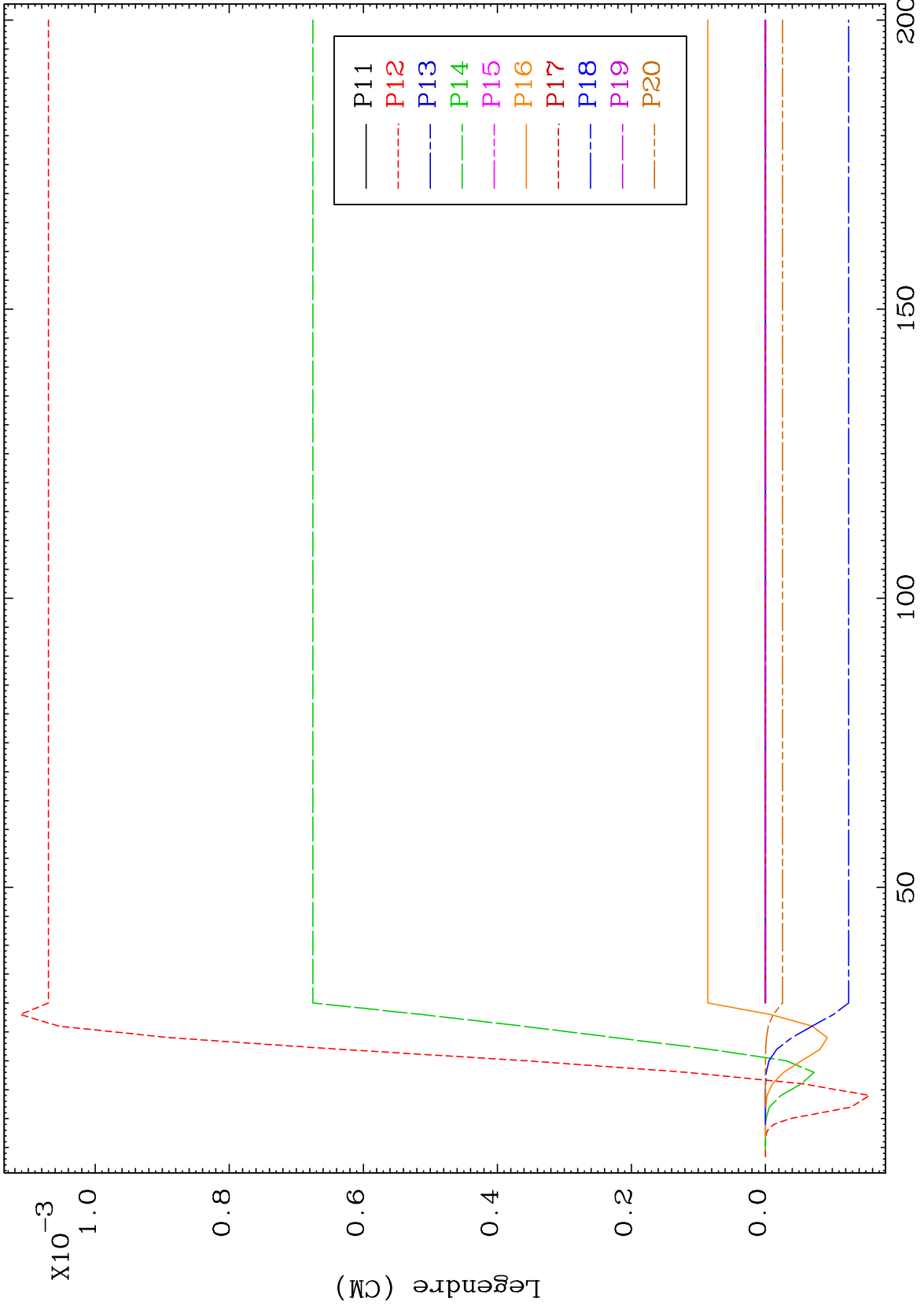
70-Yb-162

MAT 7007 MT= 75 (n,n') Level Legendre Coefficients 70-Yb-162



111 Incident Energy (MeV) 70-Yb-162

MAT 7007 MT= 75 (n,n') Level Legendre Coefficients 70-Yb-162

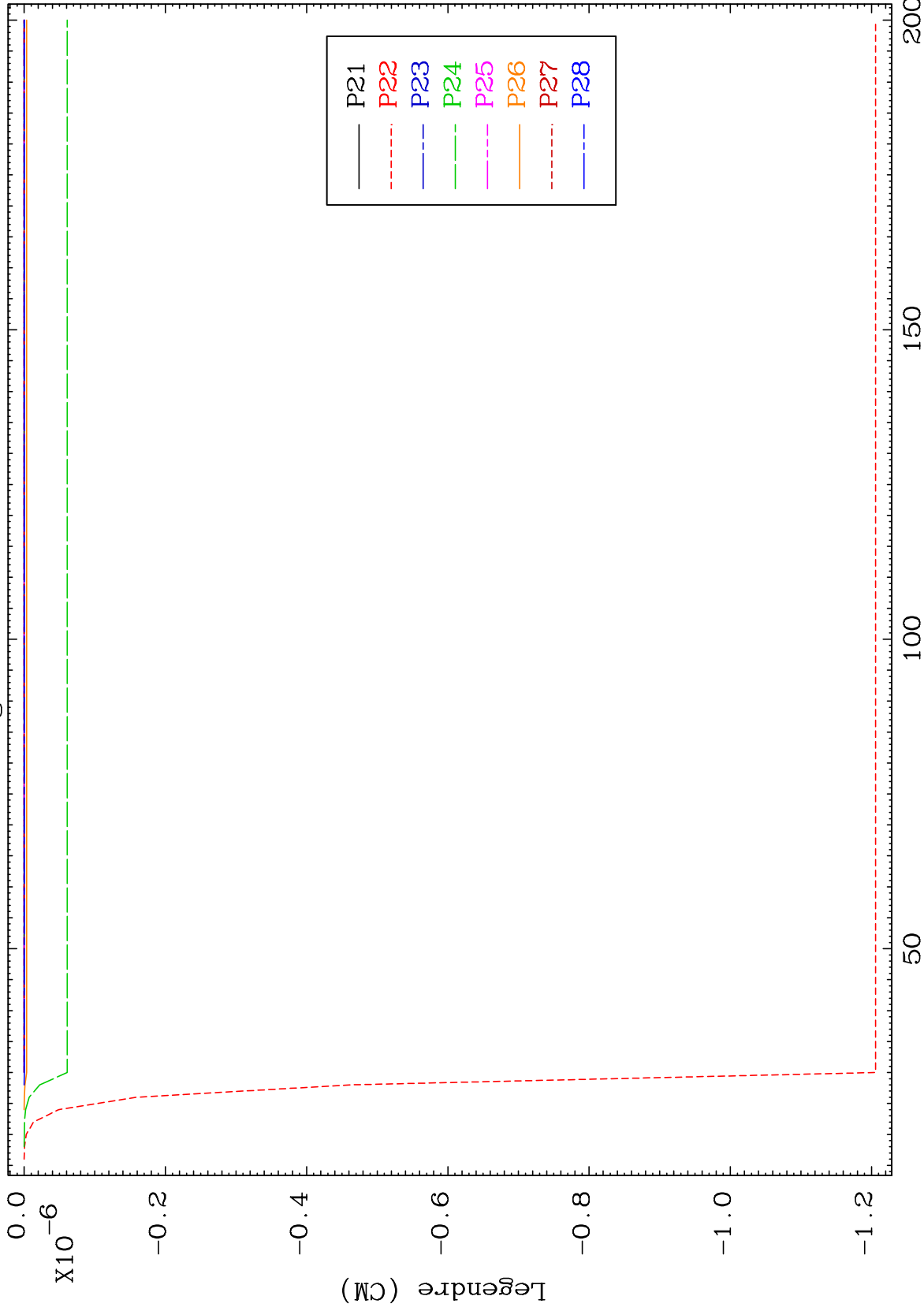


112 70-Yb-162

MAT 7007

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

70-Yb-162



113

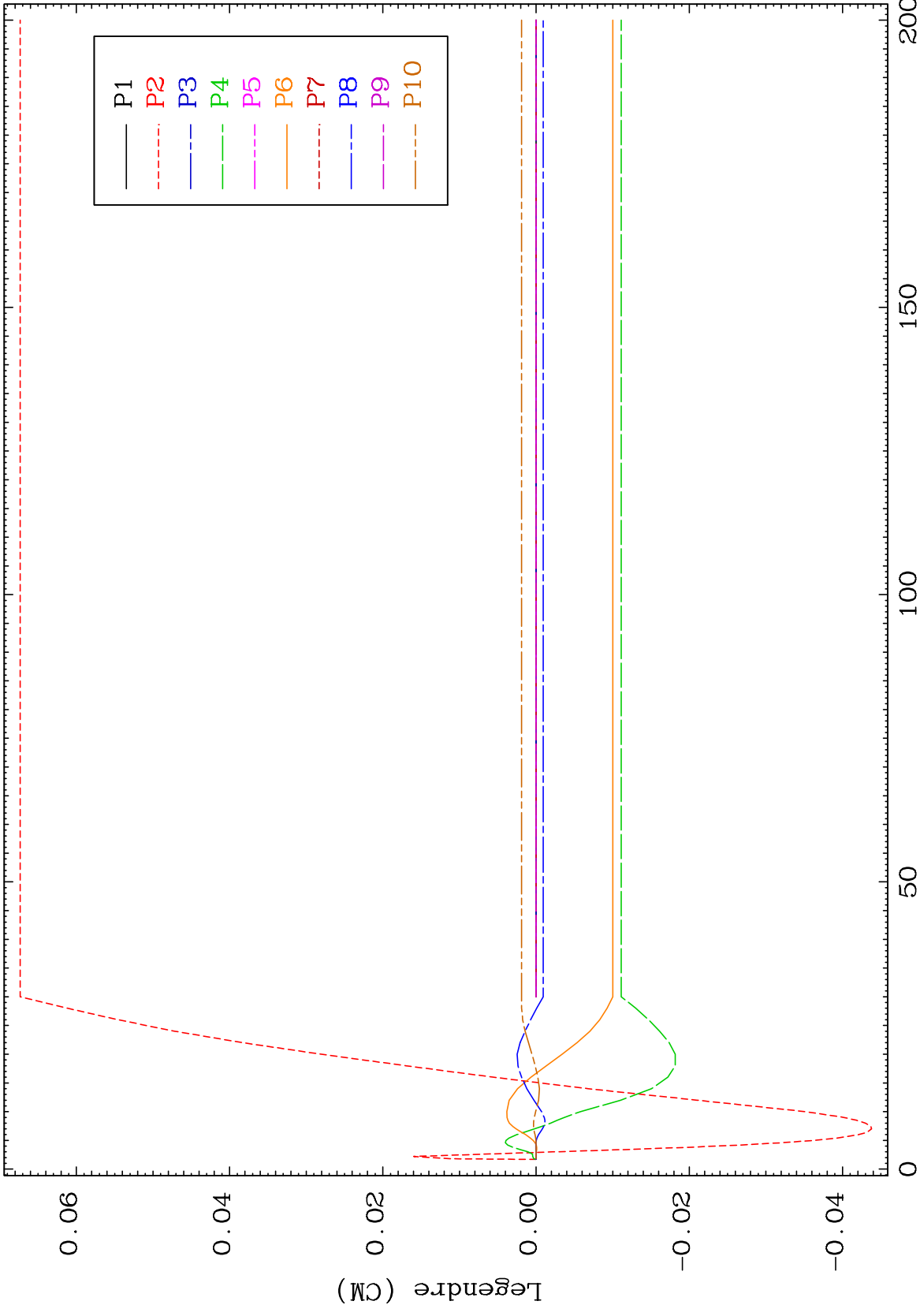
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

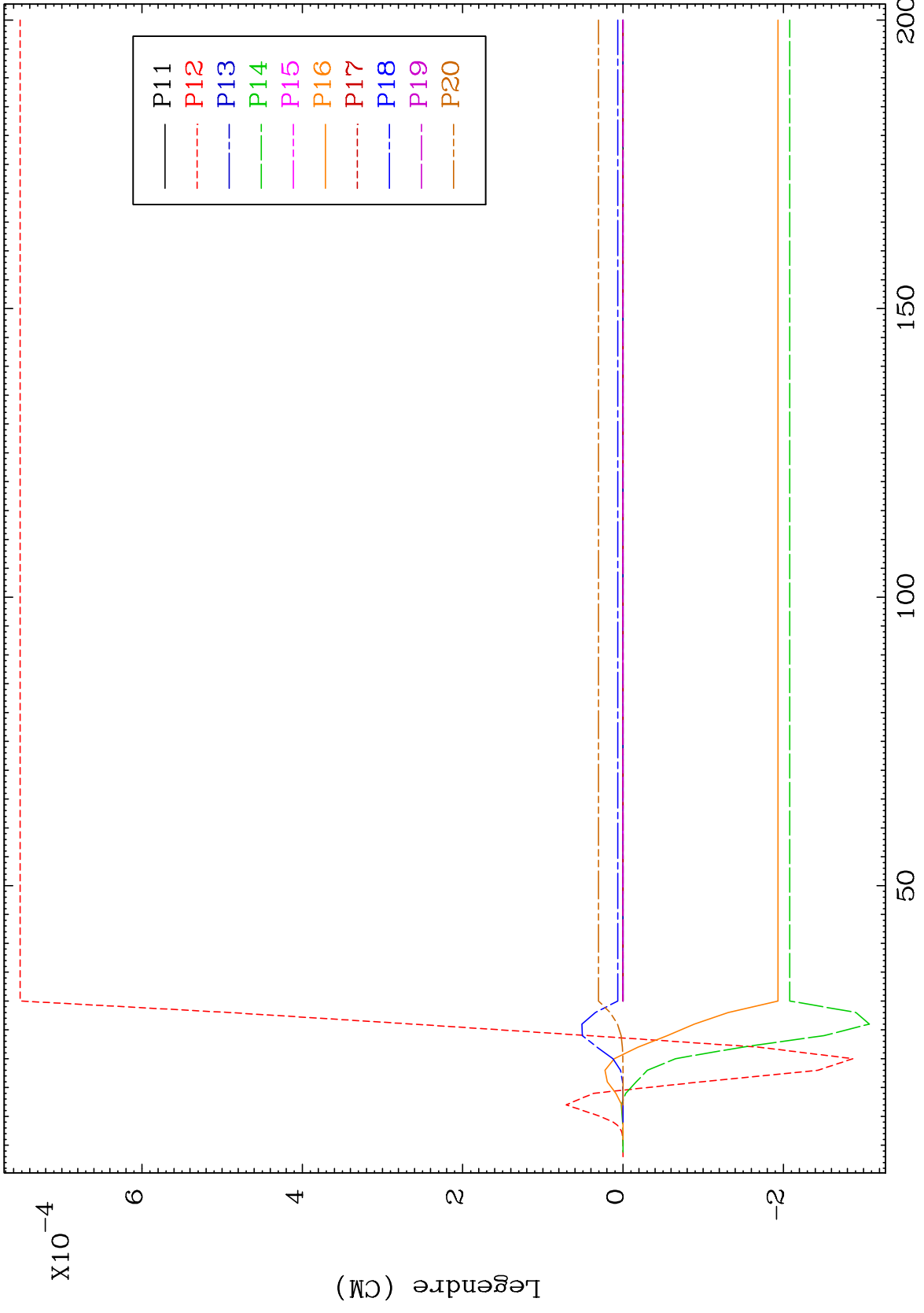
70-Yb-162



114

70-Yb-162

MAT 7007 MT= 76 (n,n') Level Legendre Coefficients 70-Yb-162

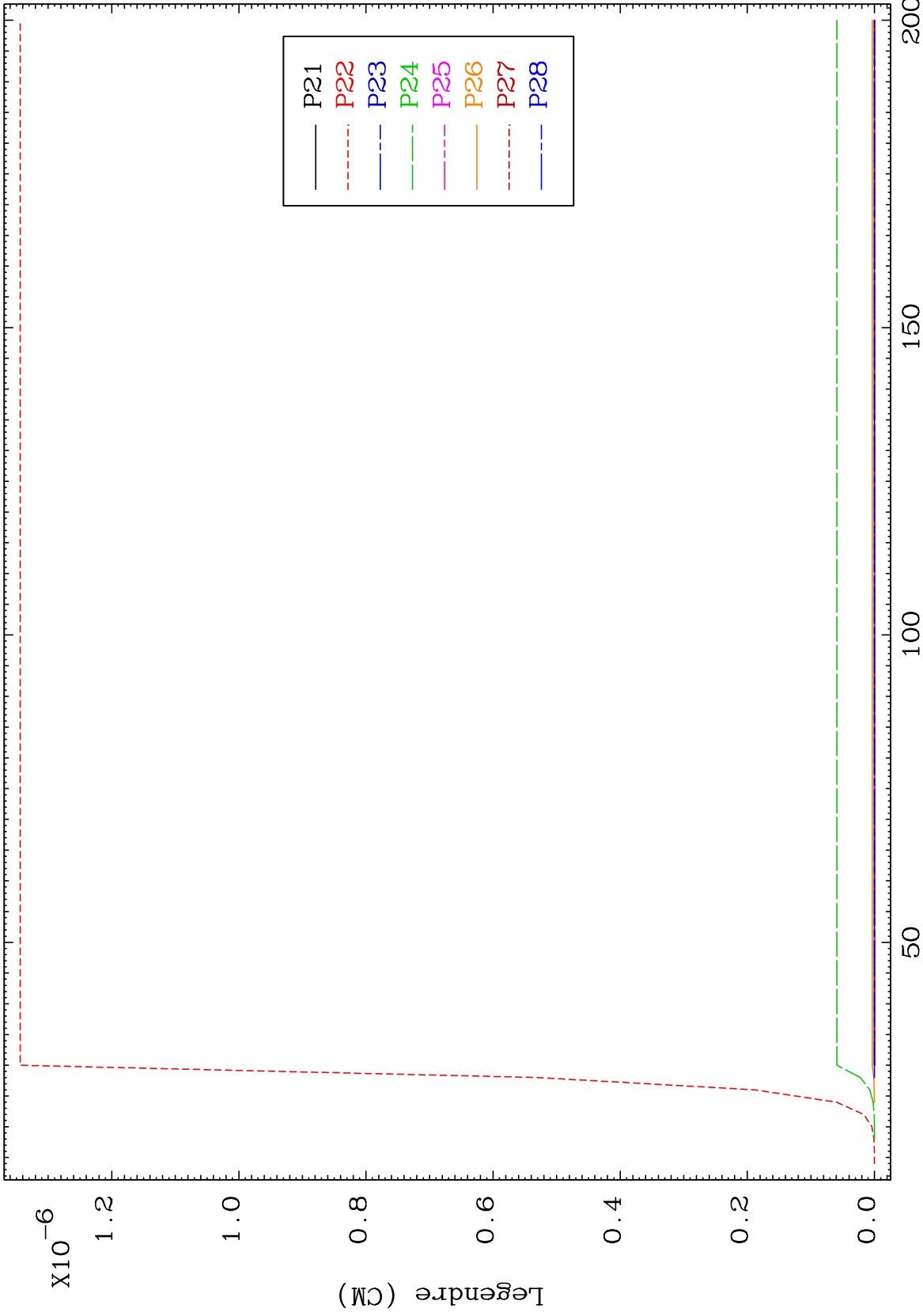


115 70-Yb-162

MAT 7007

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

70-Yb-162



116

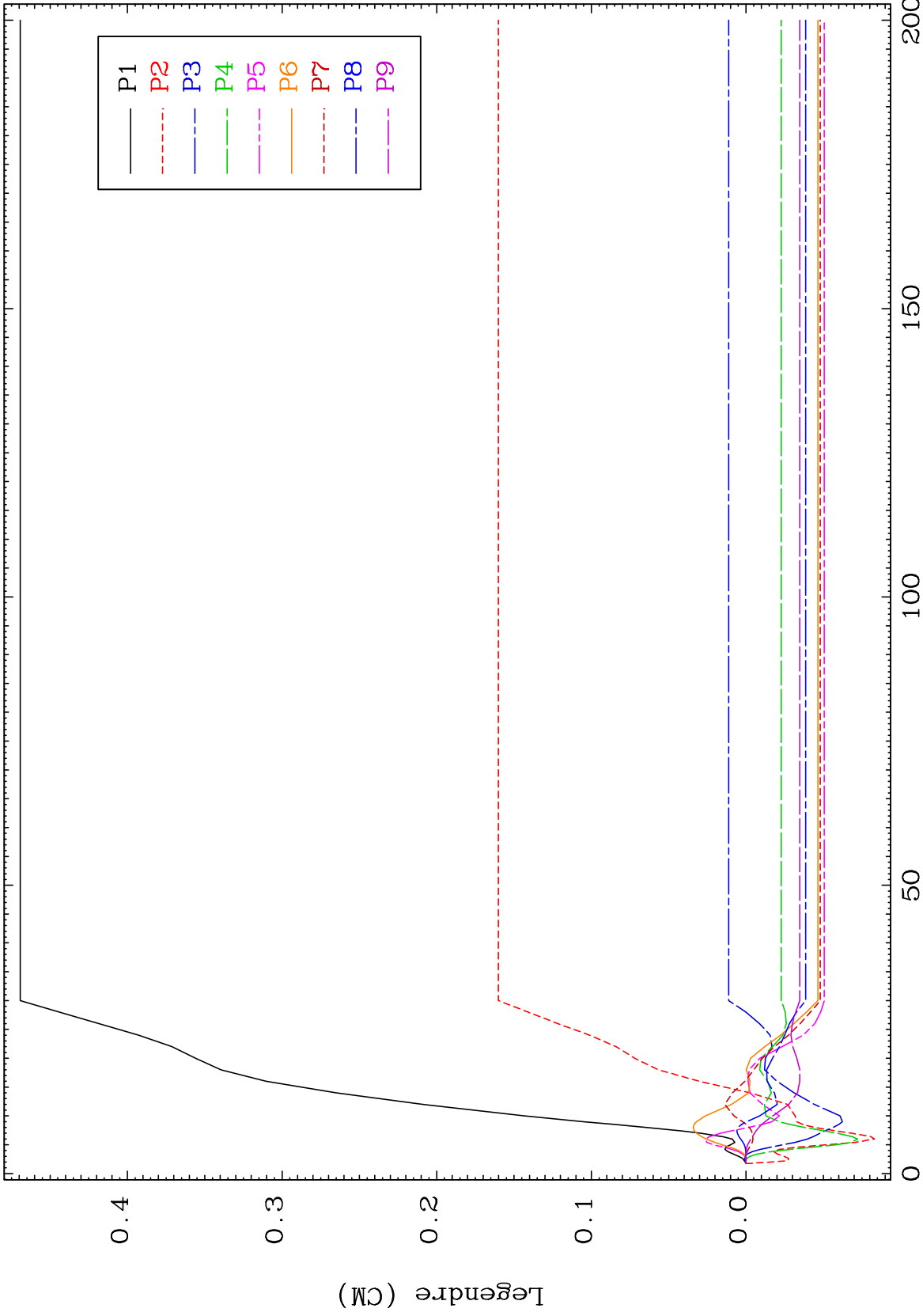
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162



117

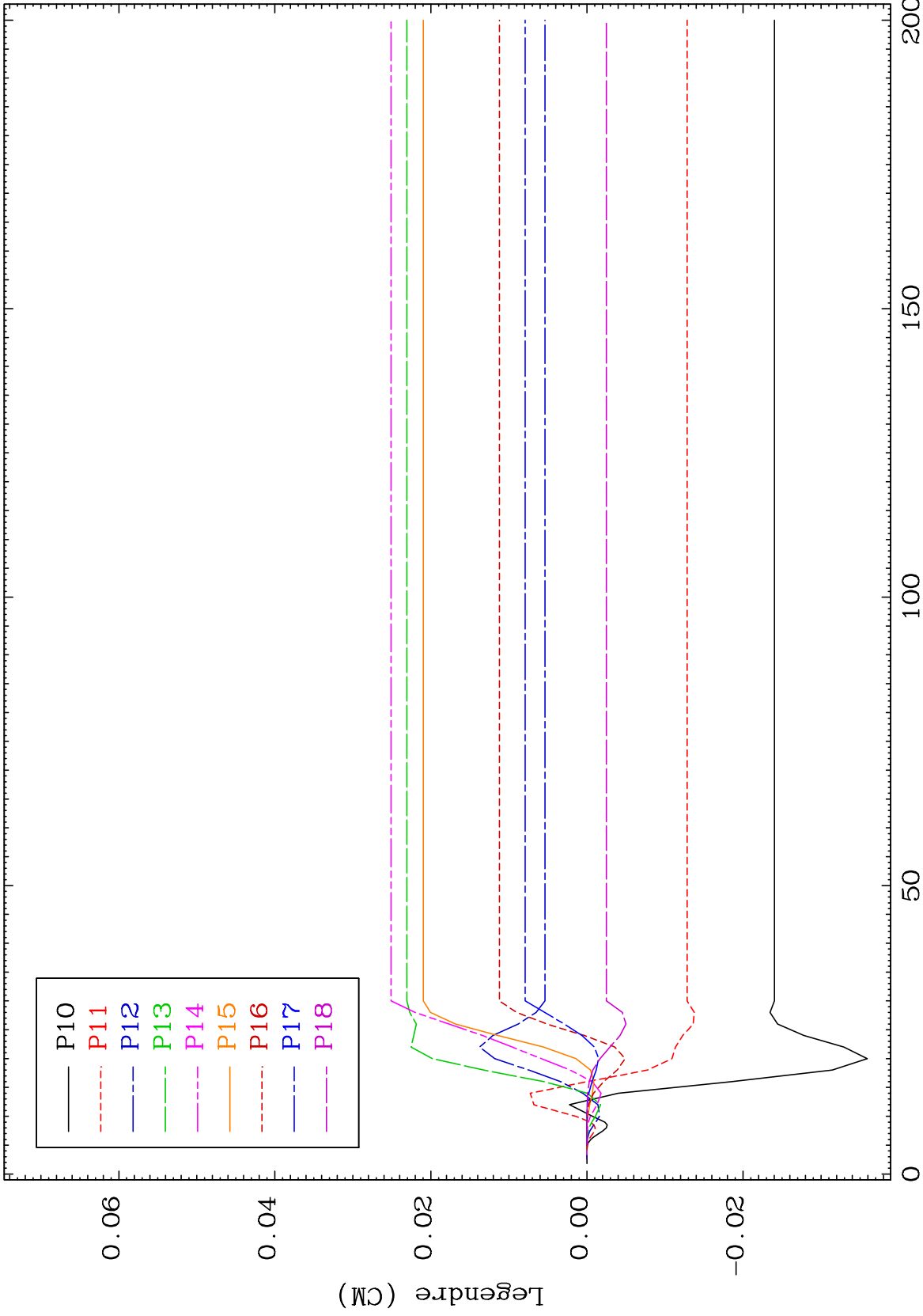
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162



118

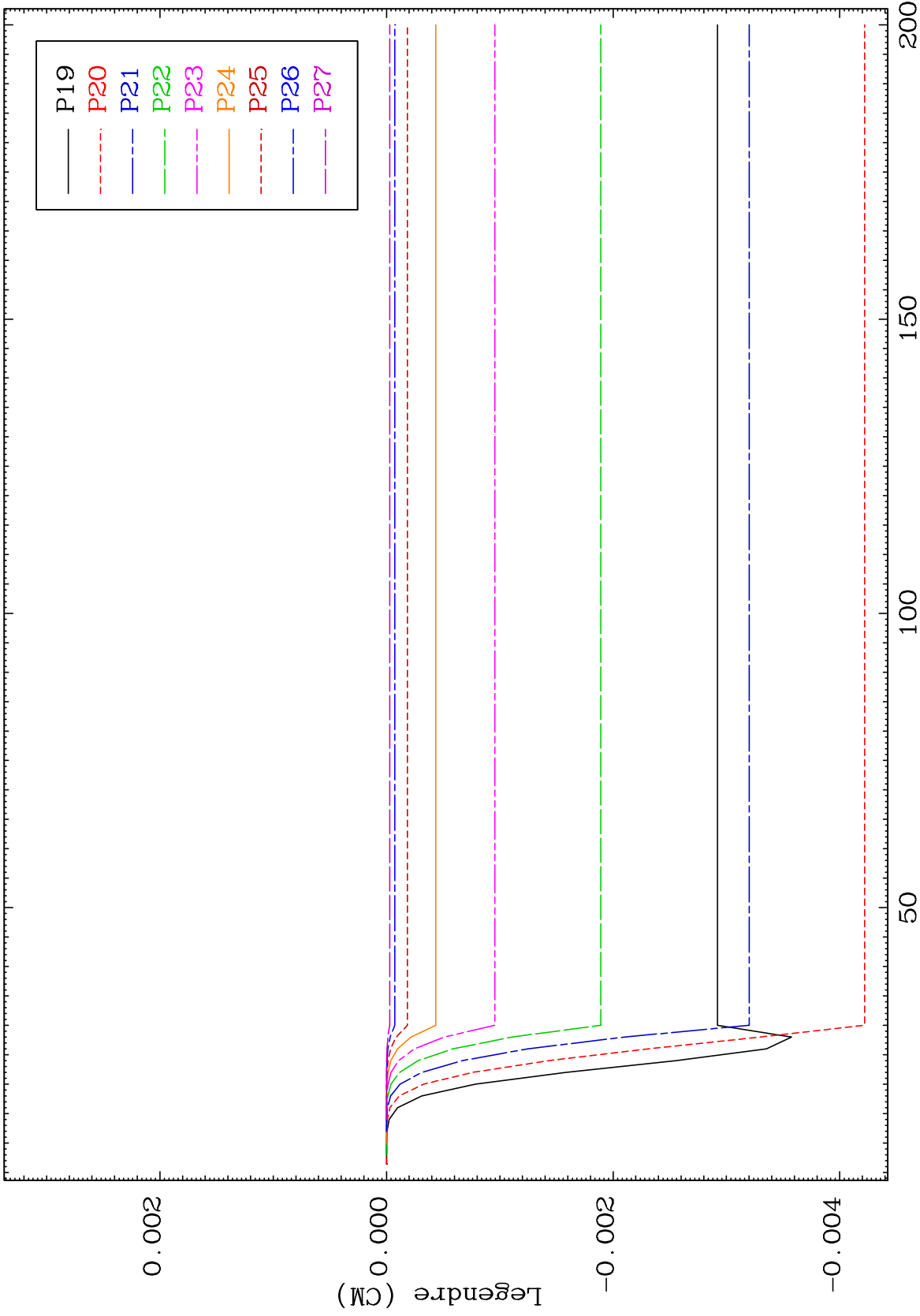
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162

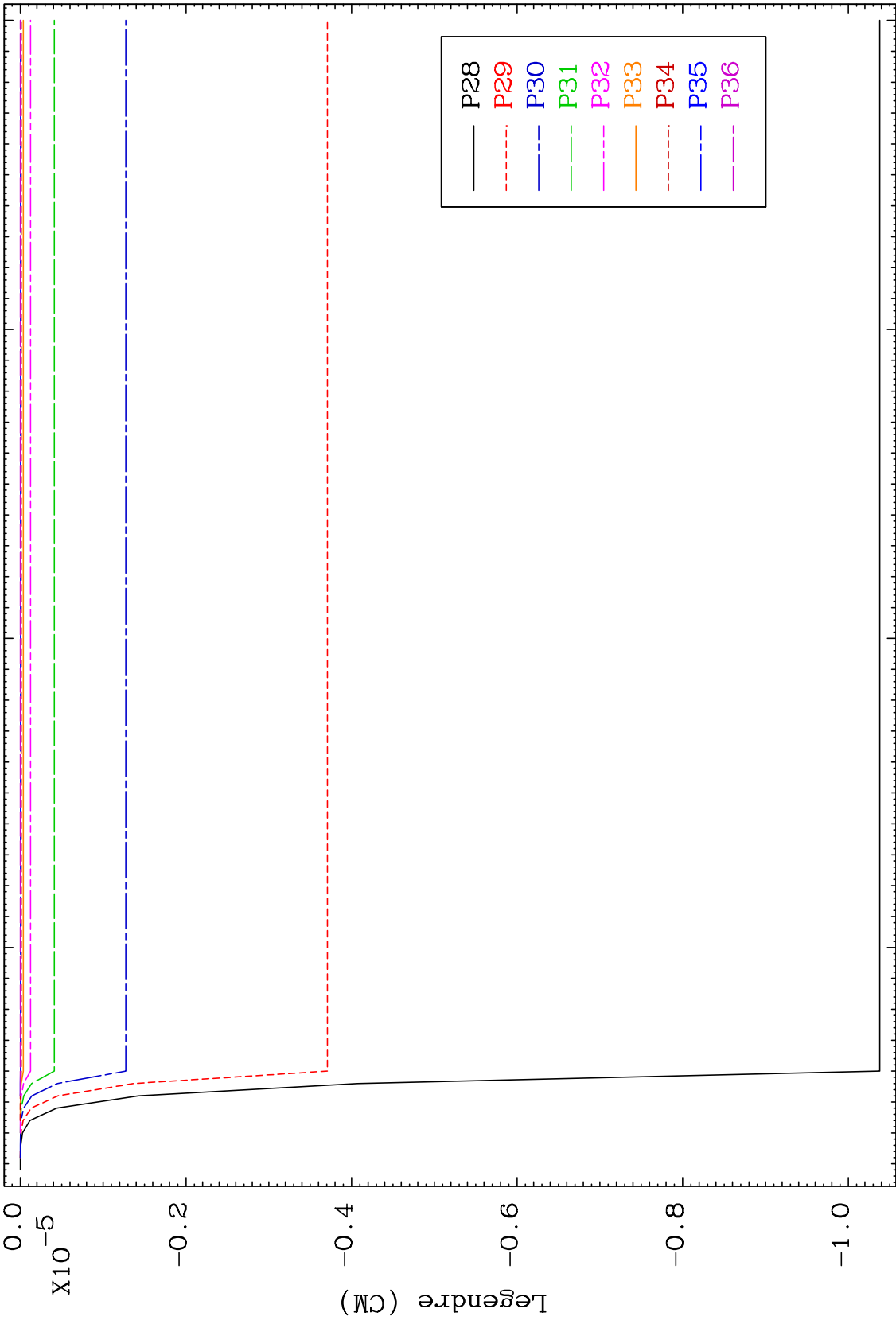


119

Incident Energy (MeV)

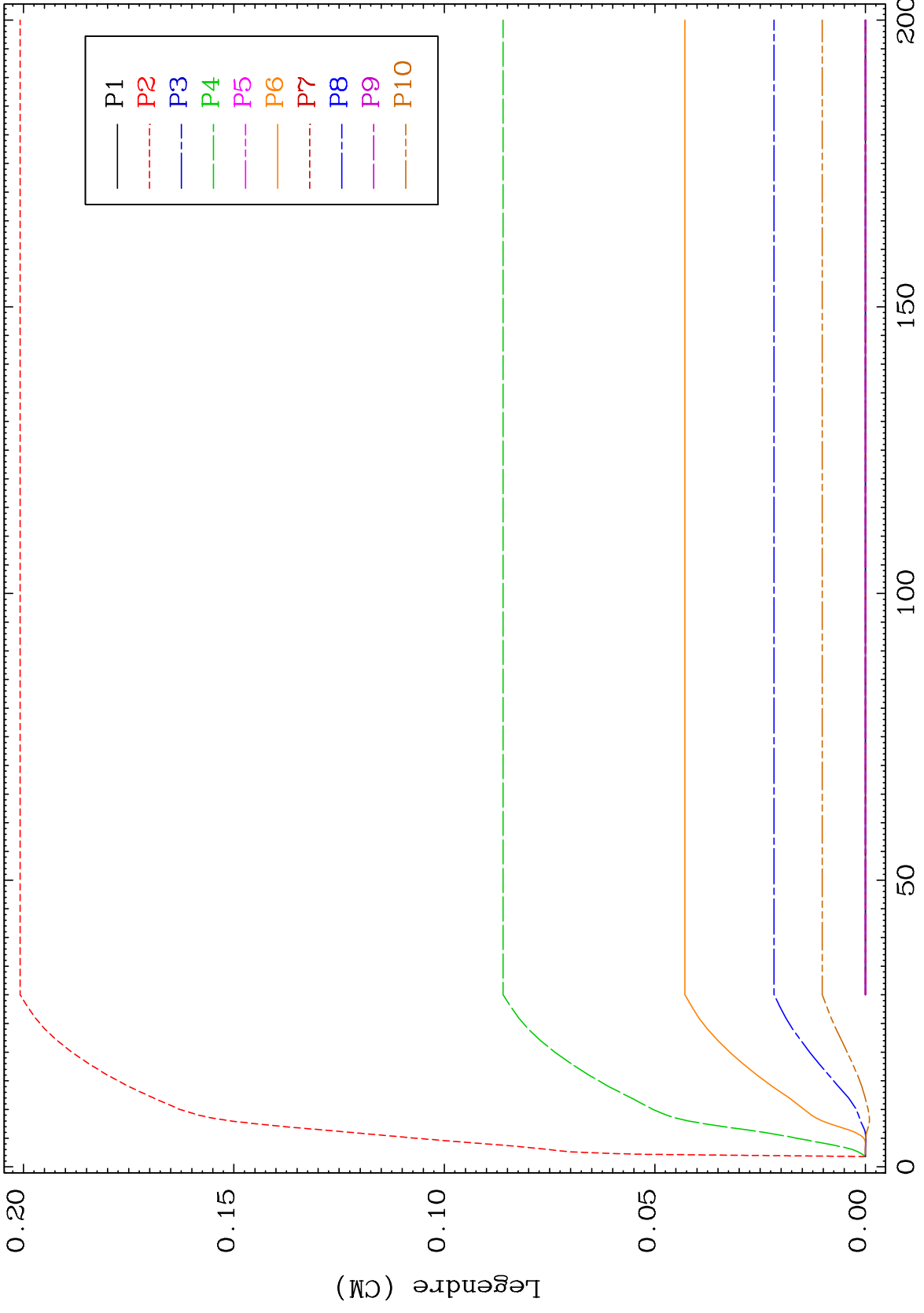
70-Yb-162

MAT 7007 MT= 77 (n,n') Level Legendre Coefficients 70-Yb-162



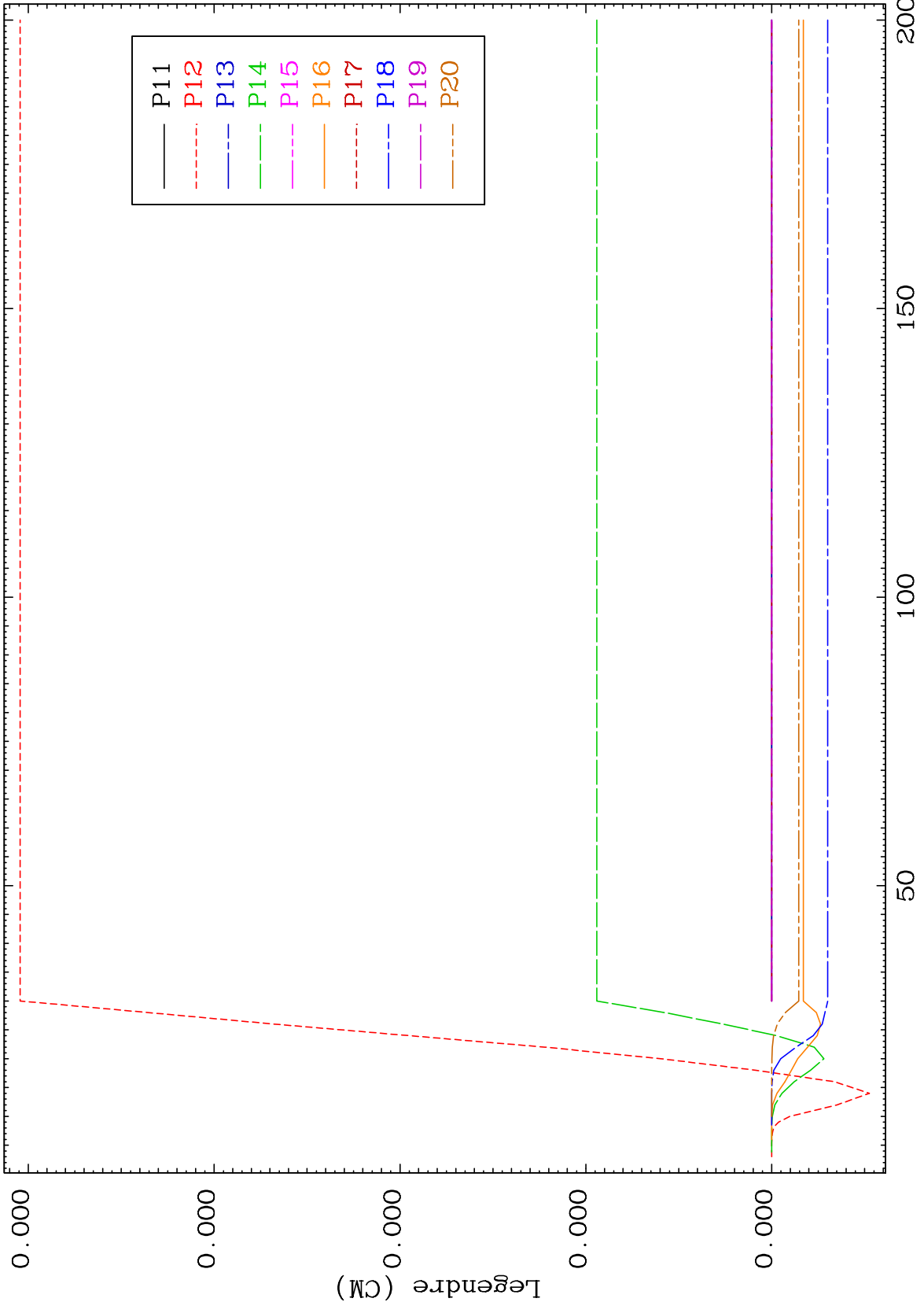
120 50 100 150 200 Incident Energy (MeV) 70-Yb-162

MAT 7007 MT= 78 (n,n') Level Legendre Coefficients 70-Yb-162

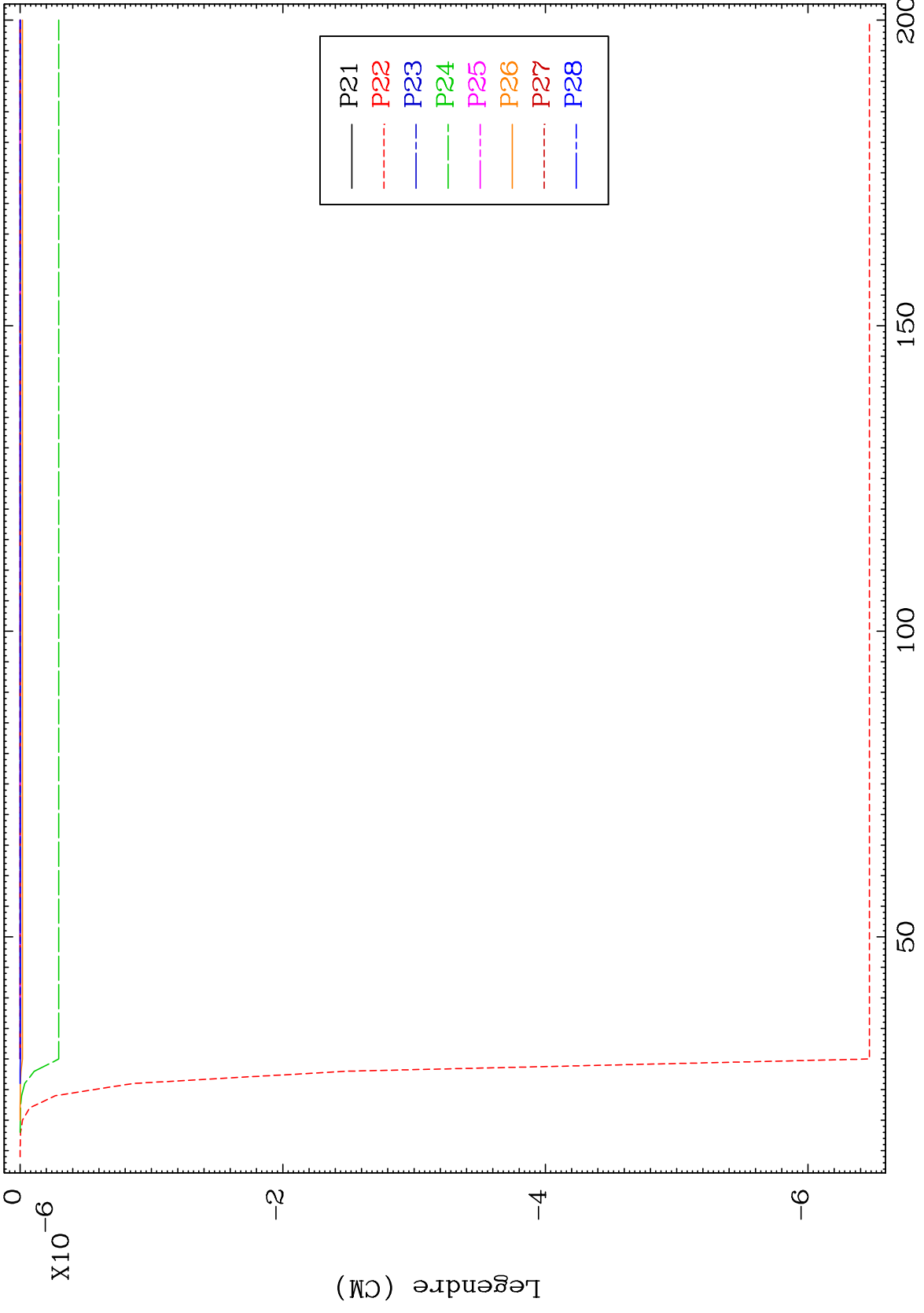


121 Incident Energy (MeV) 70-Yb-162

MAT 7007 MT= 78 (n,n') Level Legendre Coefficients 70-Yb-162



MAT 7007 MT= 78 (n,n') Level Legendre Coefficients 70-Yb-162

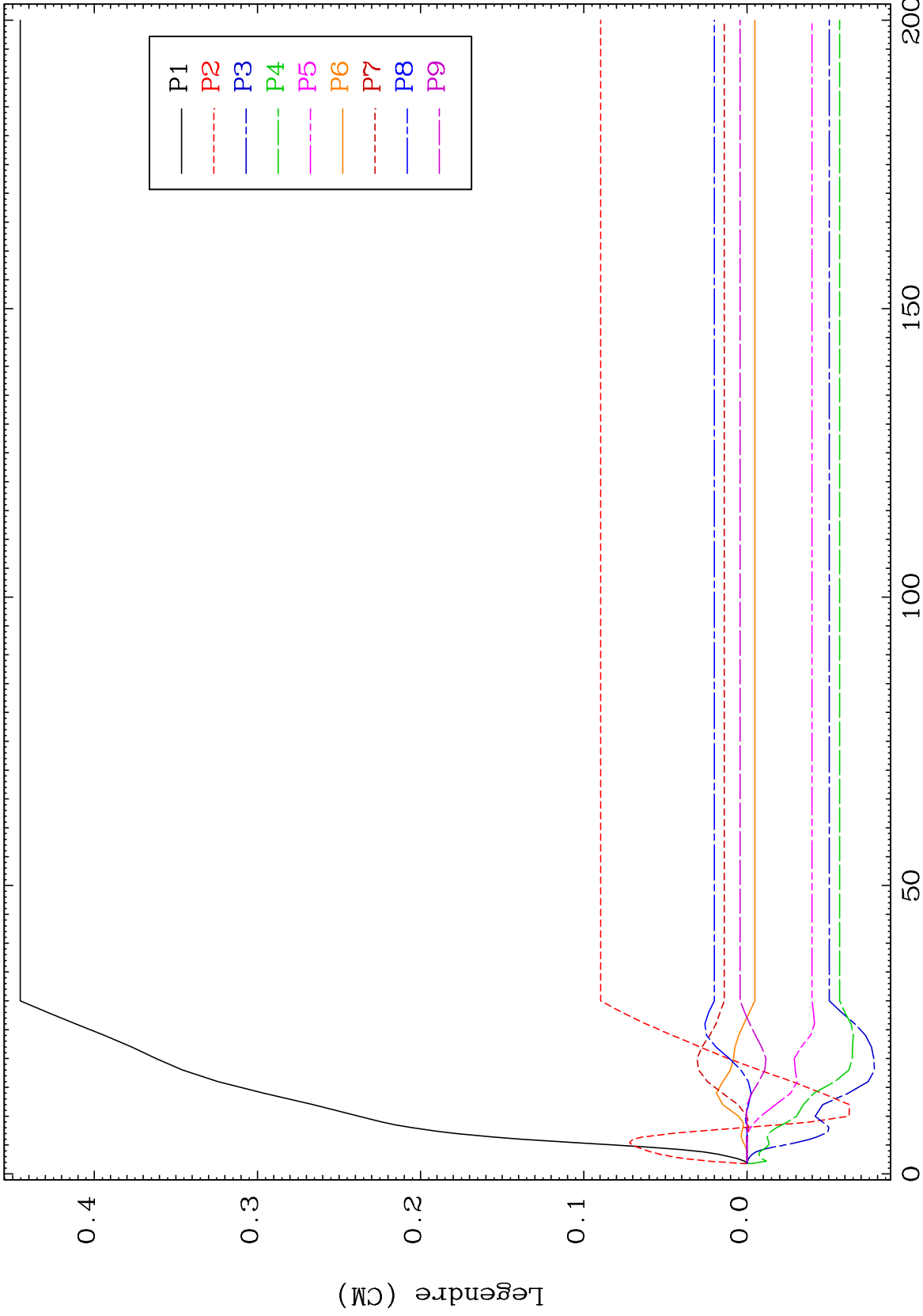


123 70-Yb-162

MAT 7007

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

70-Yb-162



70-Yb-162

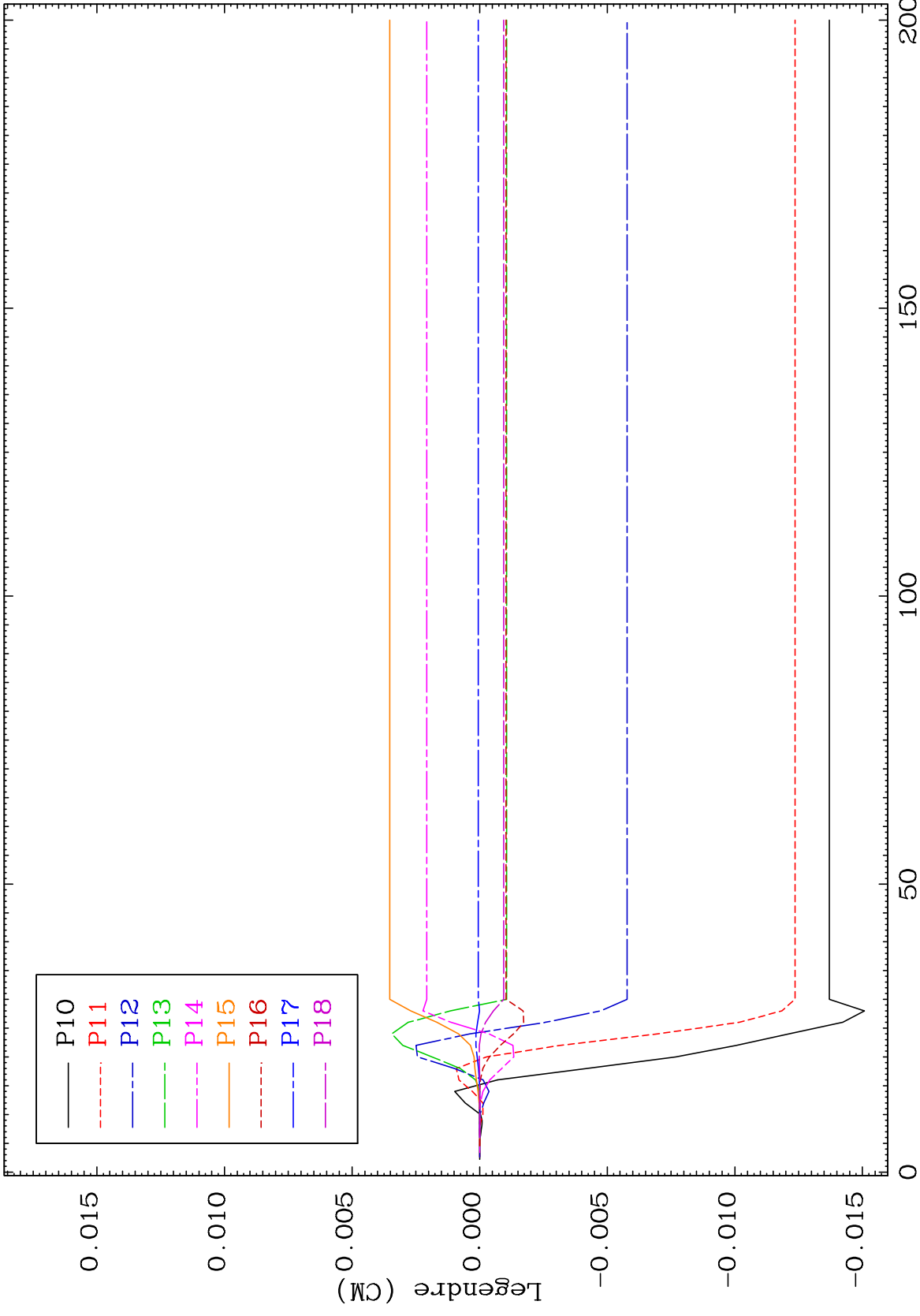
Incident Energy (MeV)

124

MAT 7007

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

70-Yb-162



125

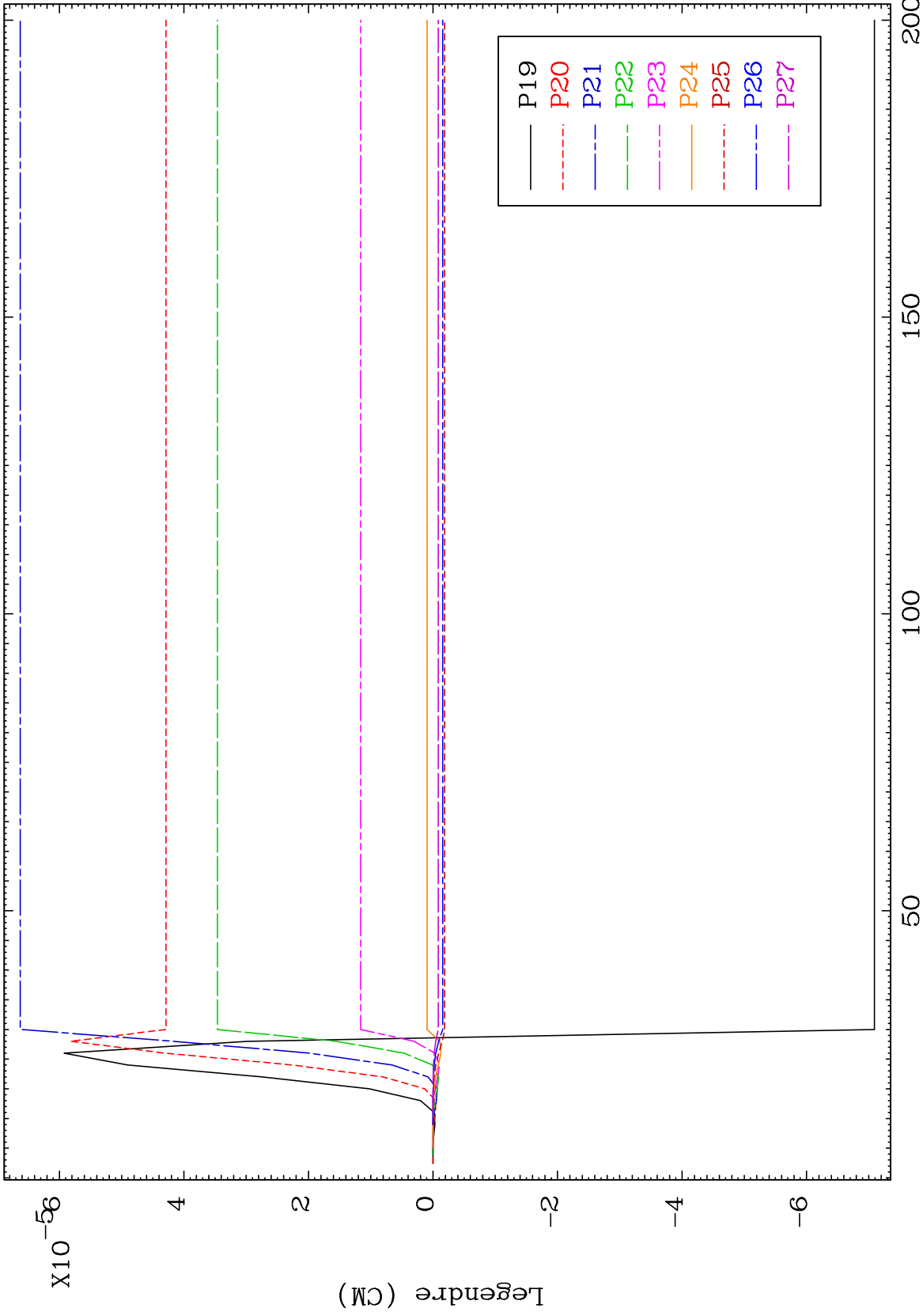
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

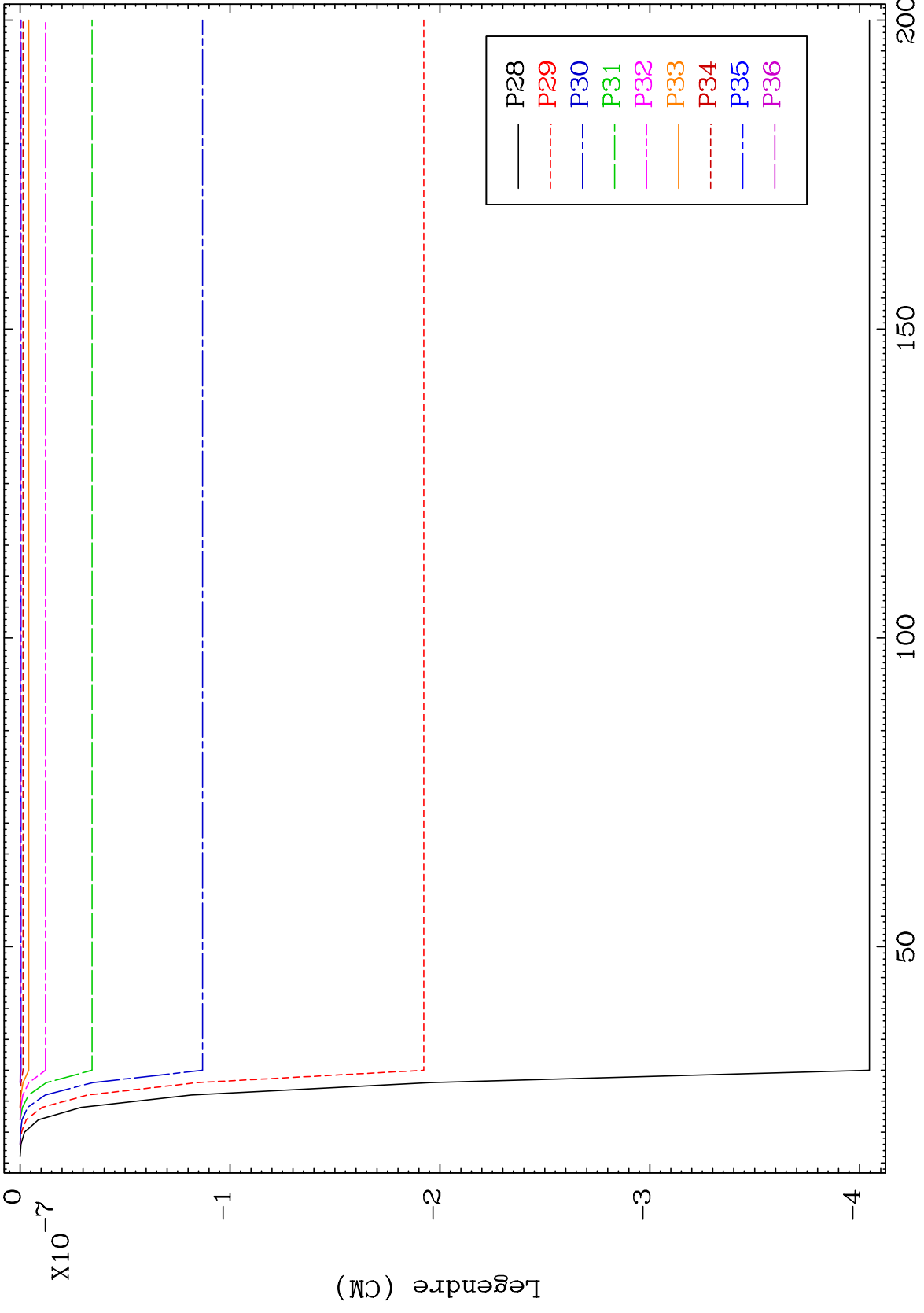
70-Yb-162



126

70-Yb-162

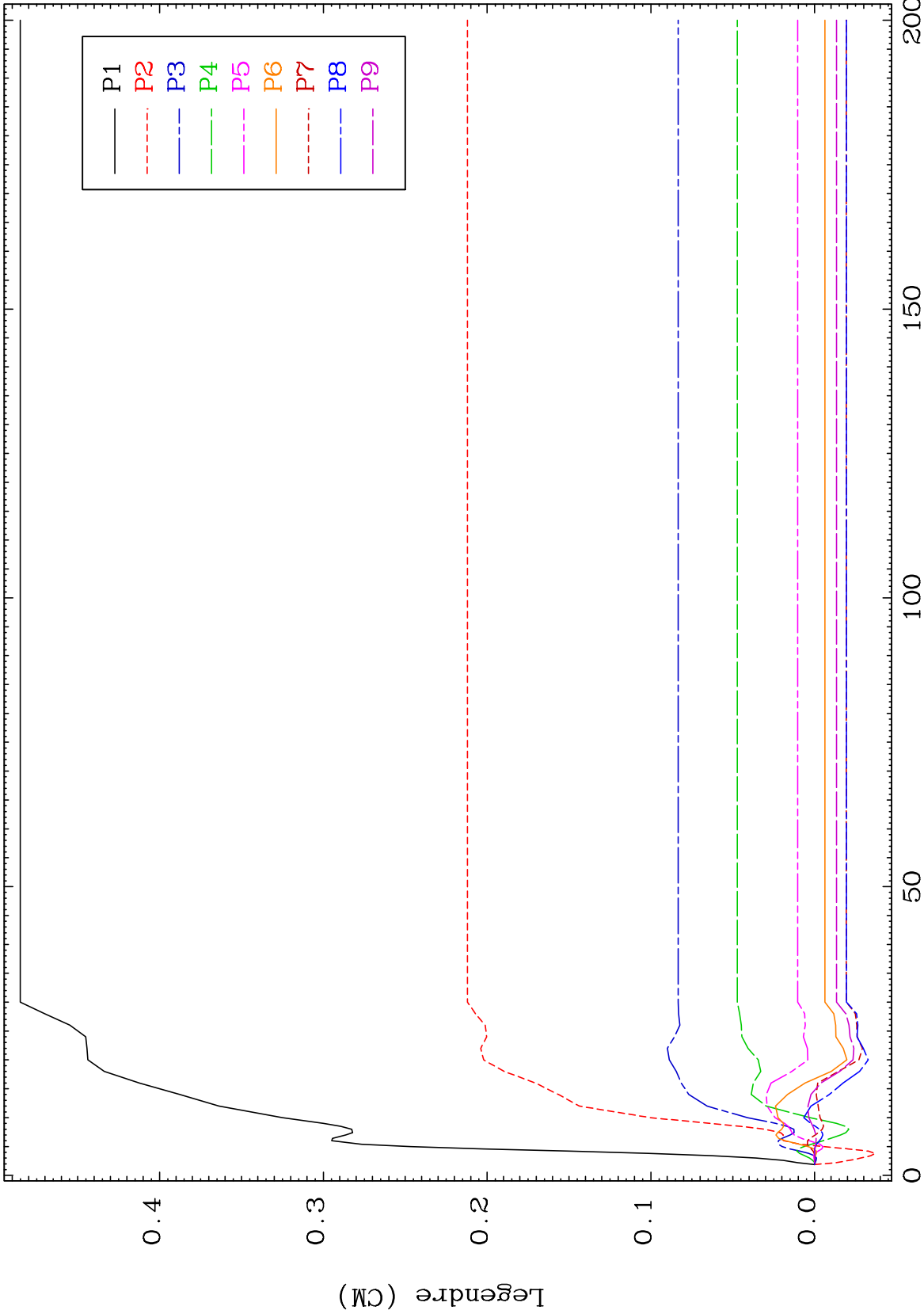
MAT 7007 MT= 79 (n,n') Level Legendre Coefficients 70-Yb-162



MAT 7007

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

70-Yb-162



128

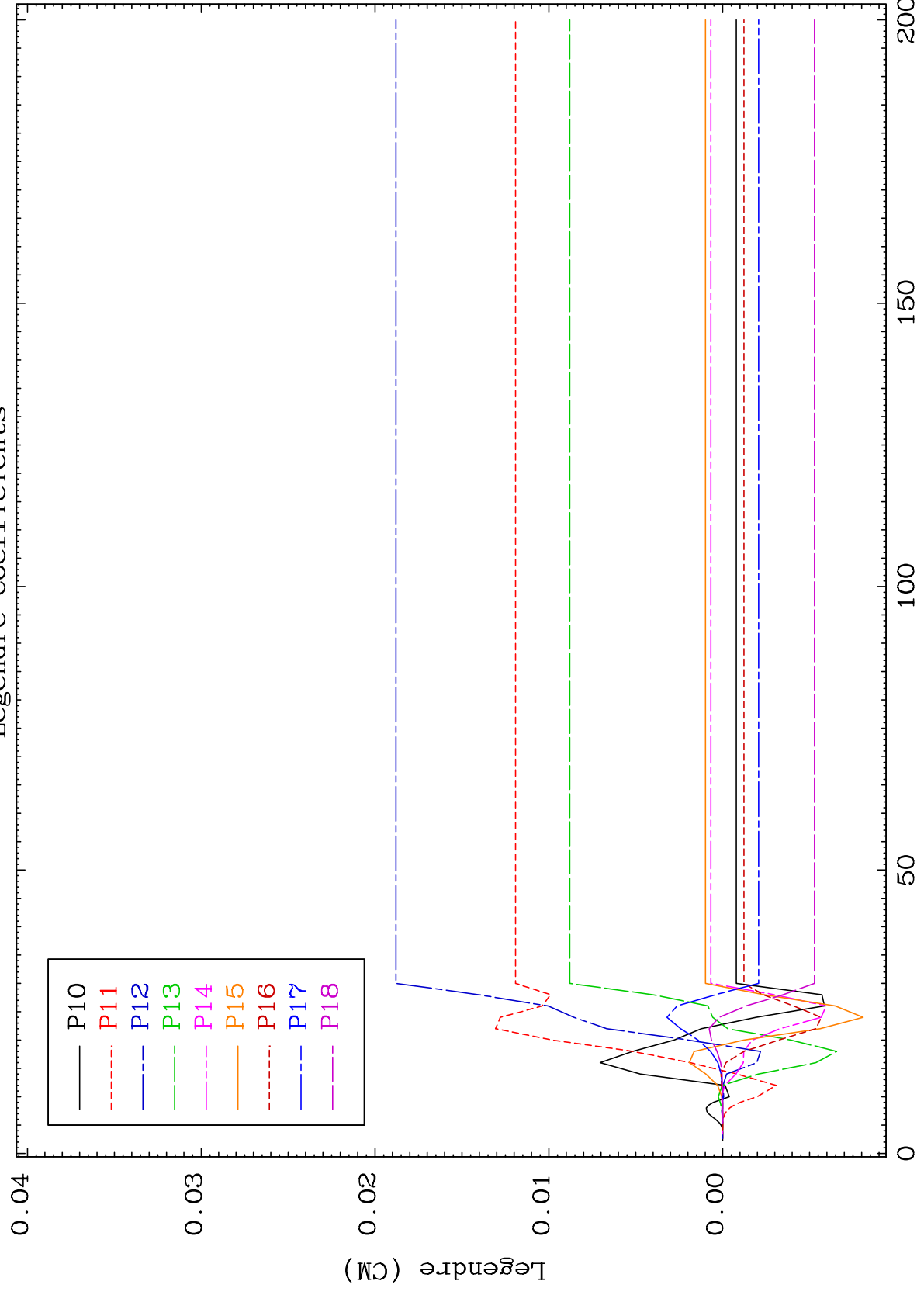
Incident Energy (MeV)

70-Yb-162

MAT 7007 MT= 80 (n,n') Level Legendre Coefficients

70-Yb-162

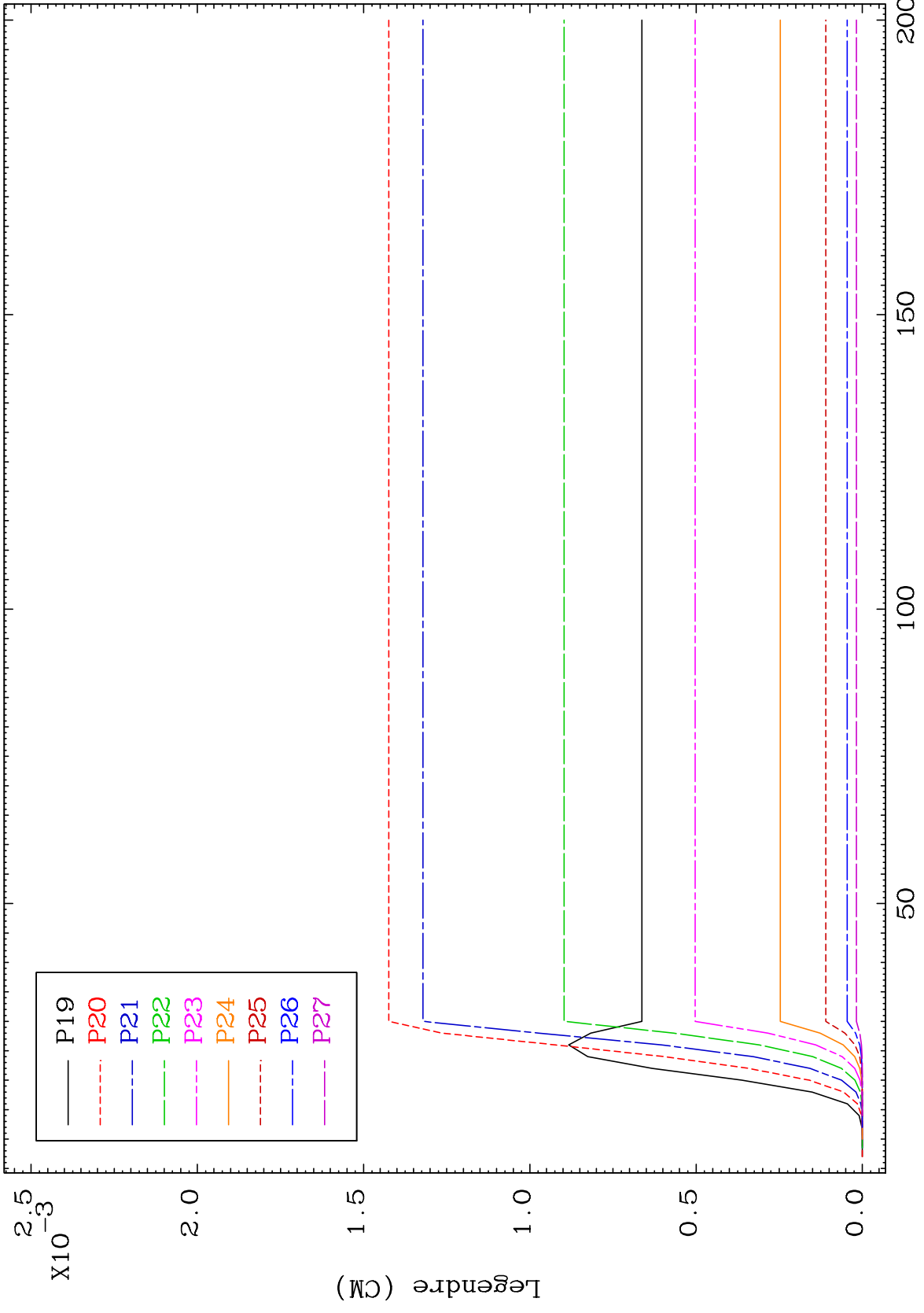
70-Yb-162



MAT 7007

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

70-Yb-162



130

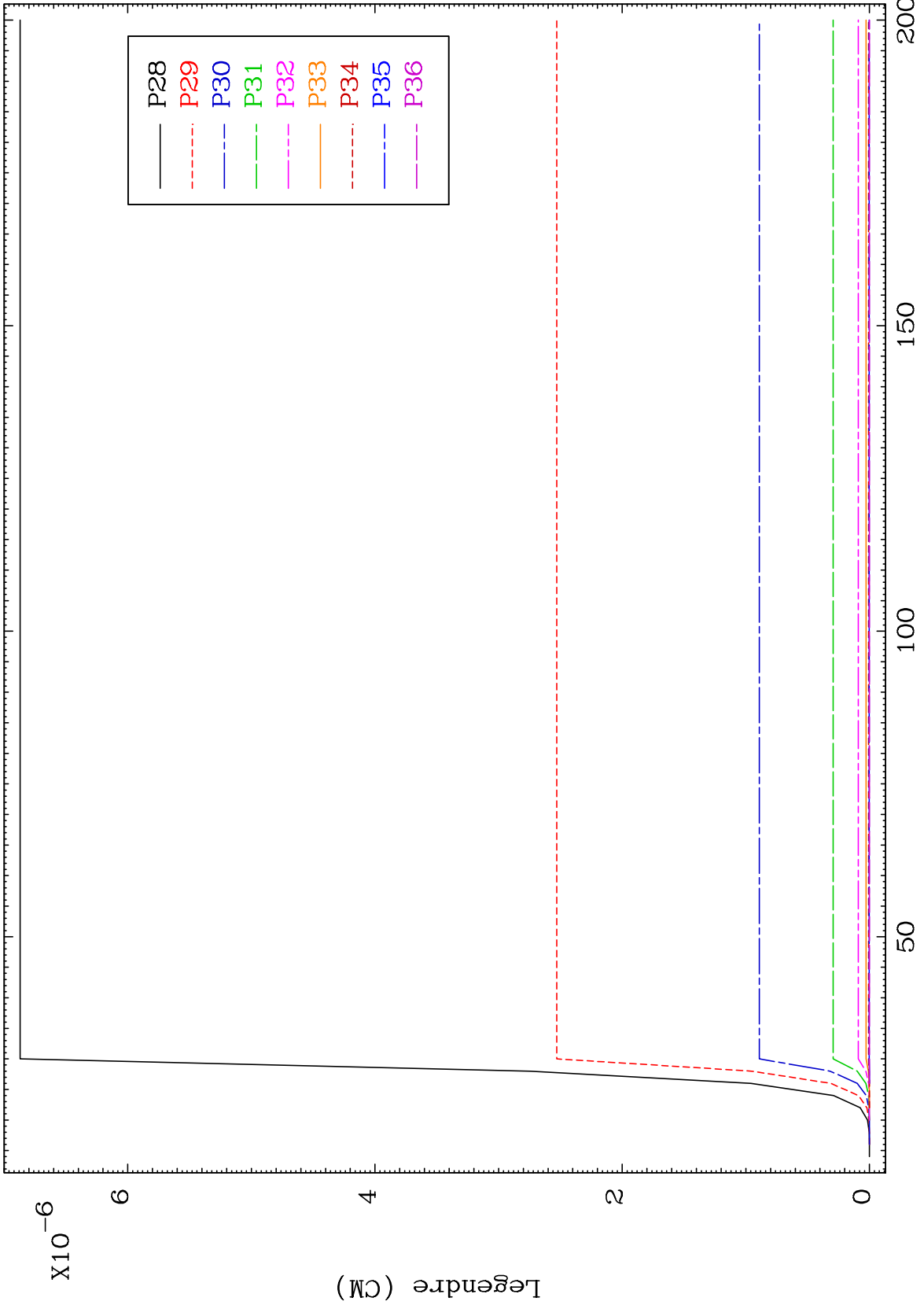
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162



131

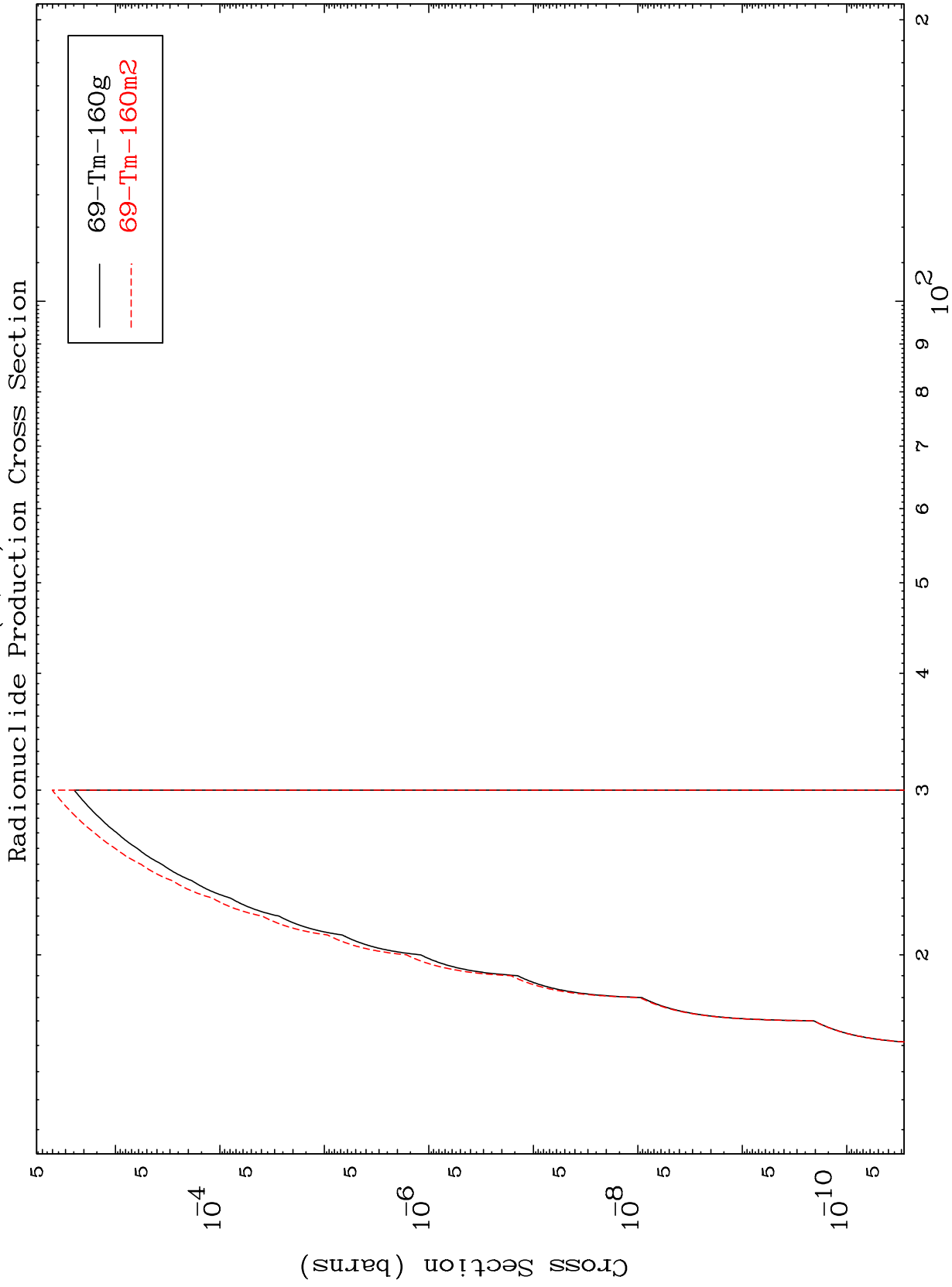
Incident Energy (MeV)

70-Yb-162

MAT 7007

(n, n') d

70-Yb-162



132

Incident Energy (MeV)

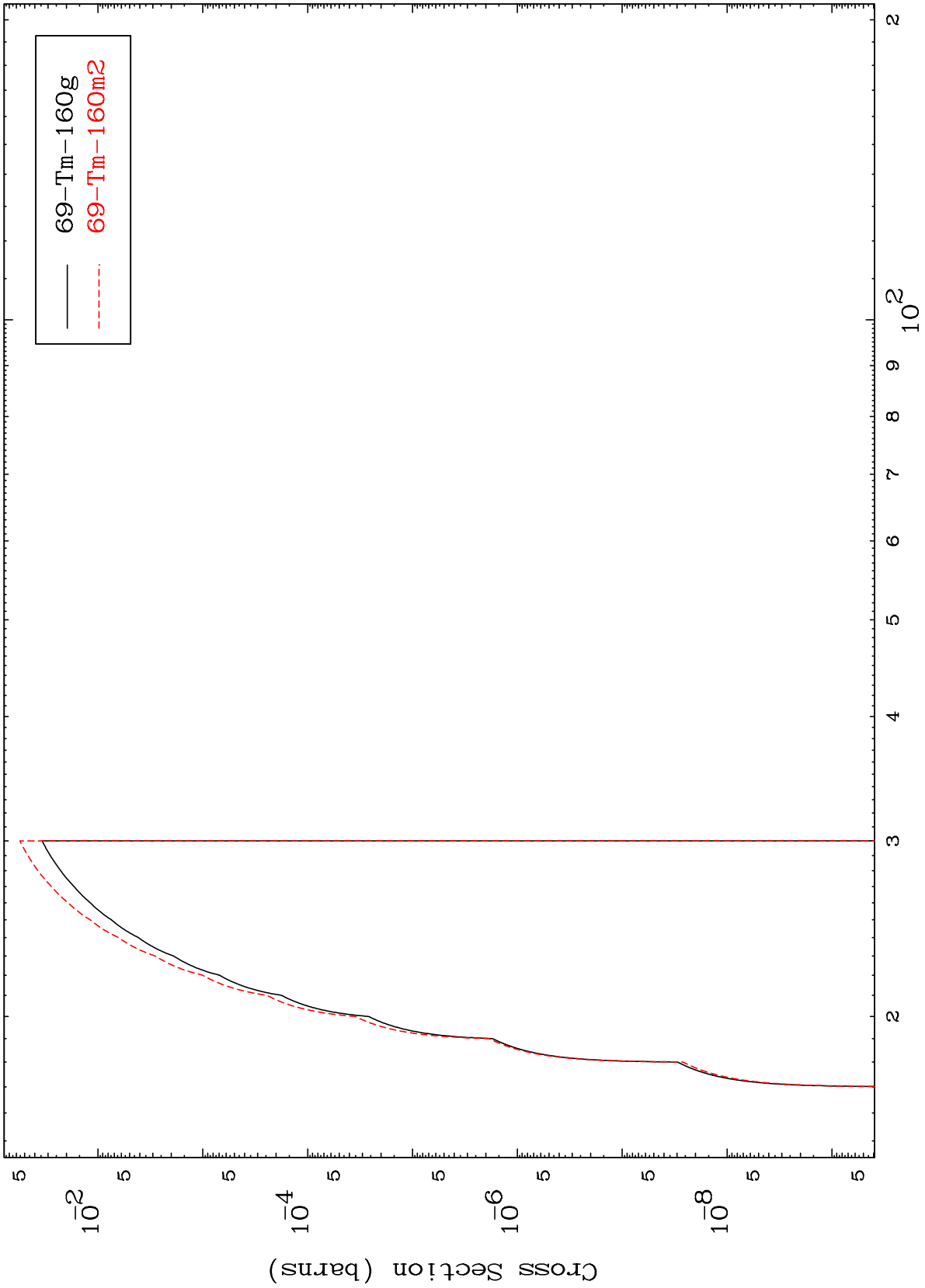
70-Yb-162

MAT 7007

(n,2n) p

70-Yb-162

Radionuclide Production Cross Section



69-Tm-160g
69-Tm-160m2

133

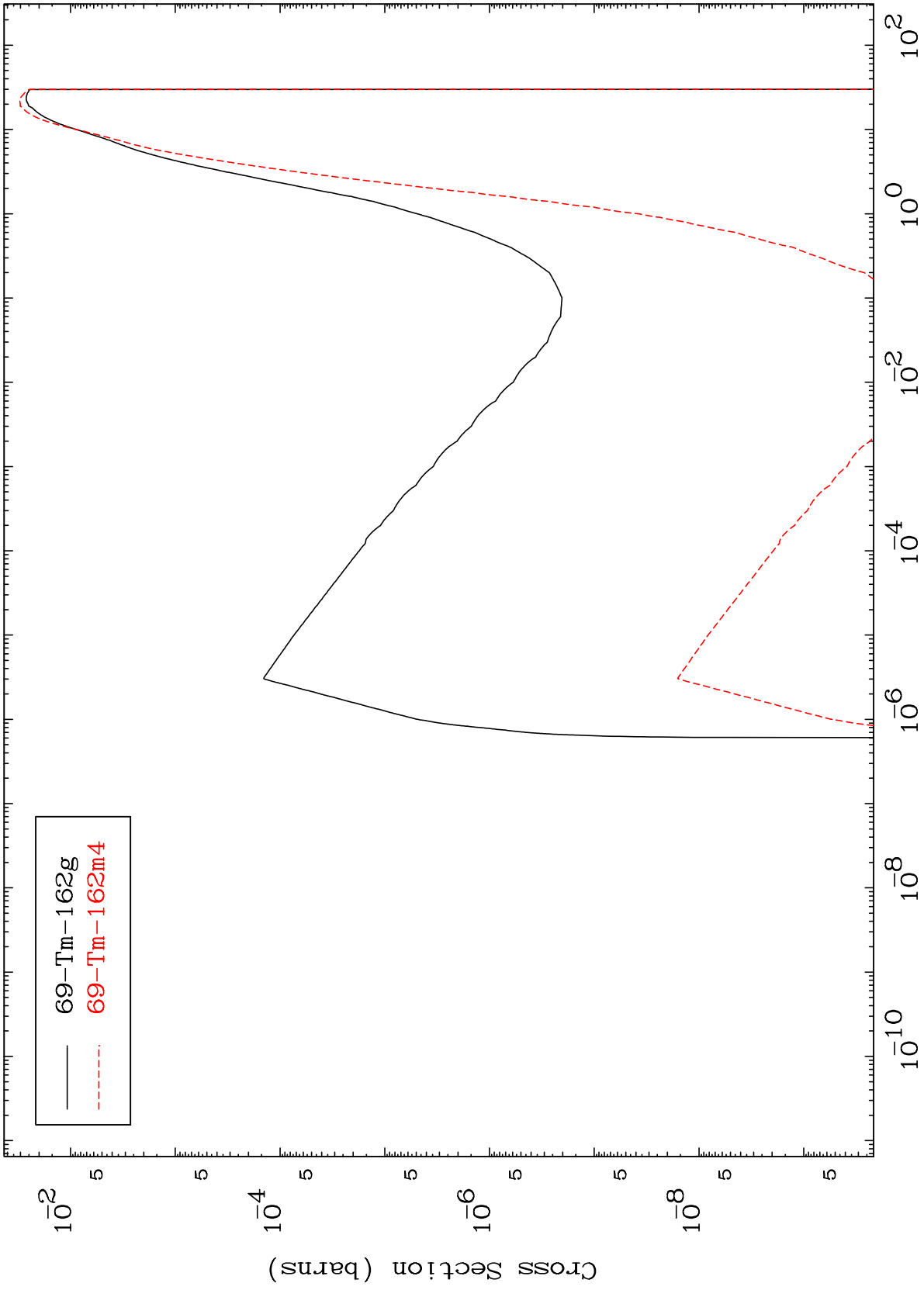
Incident Energy (MeV)

70-Yb-162

MAT 7007

(n,p)
Radionuclide Production Cross Section

70-Yb-162

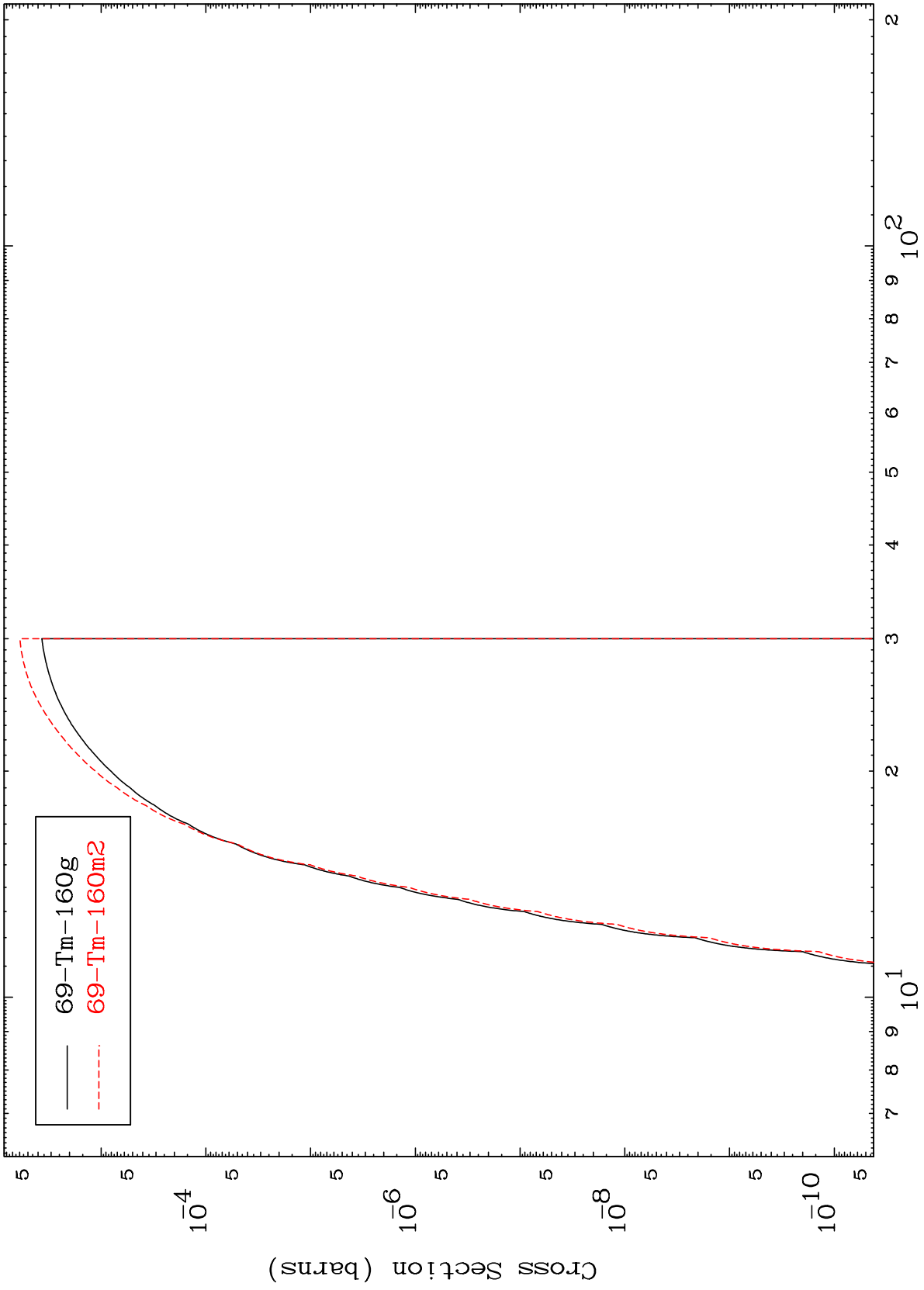


— 69-Tm-162g
- - - 69-Tm-162m4

MAT 7007

70-Yb-162

Radionuclide Production Cross Section



135

Incident Energy (MeV)

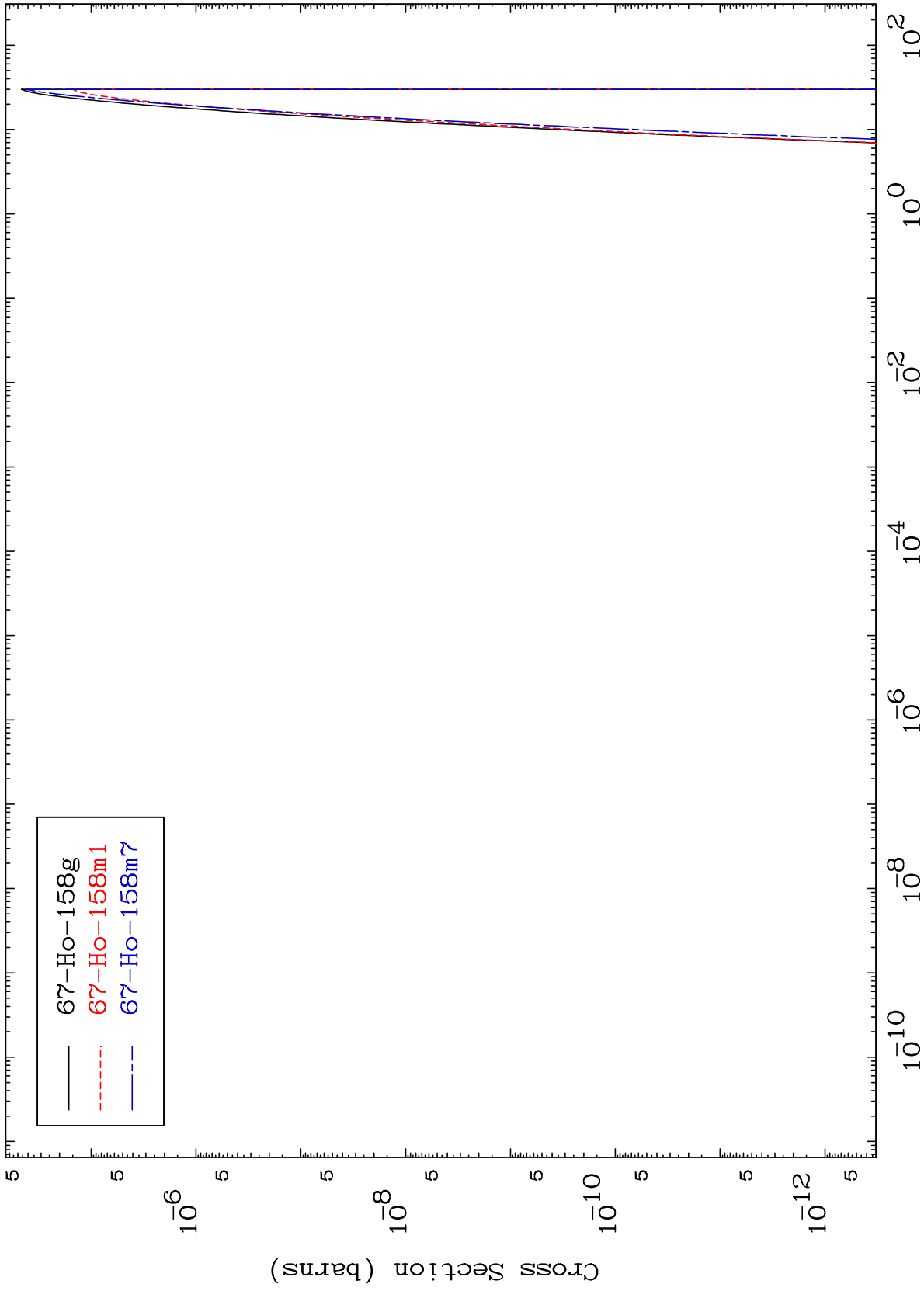
70-Yb-162

MAT 7007

(n,p) α

70-Yb-162

Radionuclide Production Cross Section



136

Incident Energy (MeV)

70-Yb-162