

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

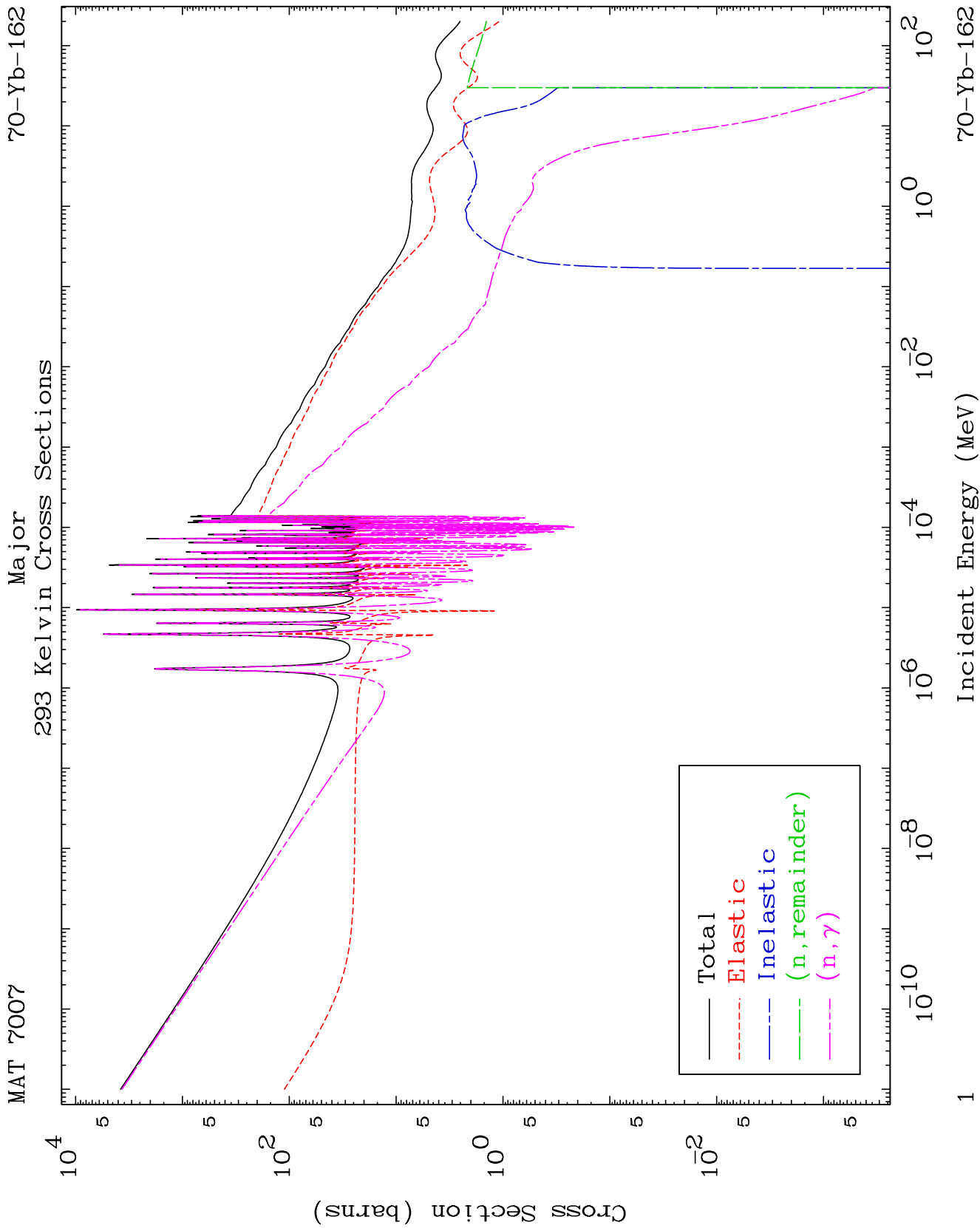
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E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

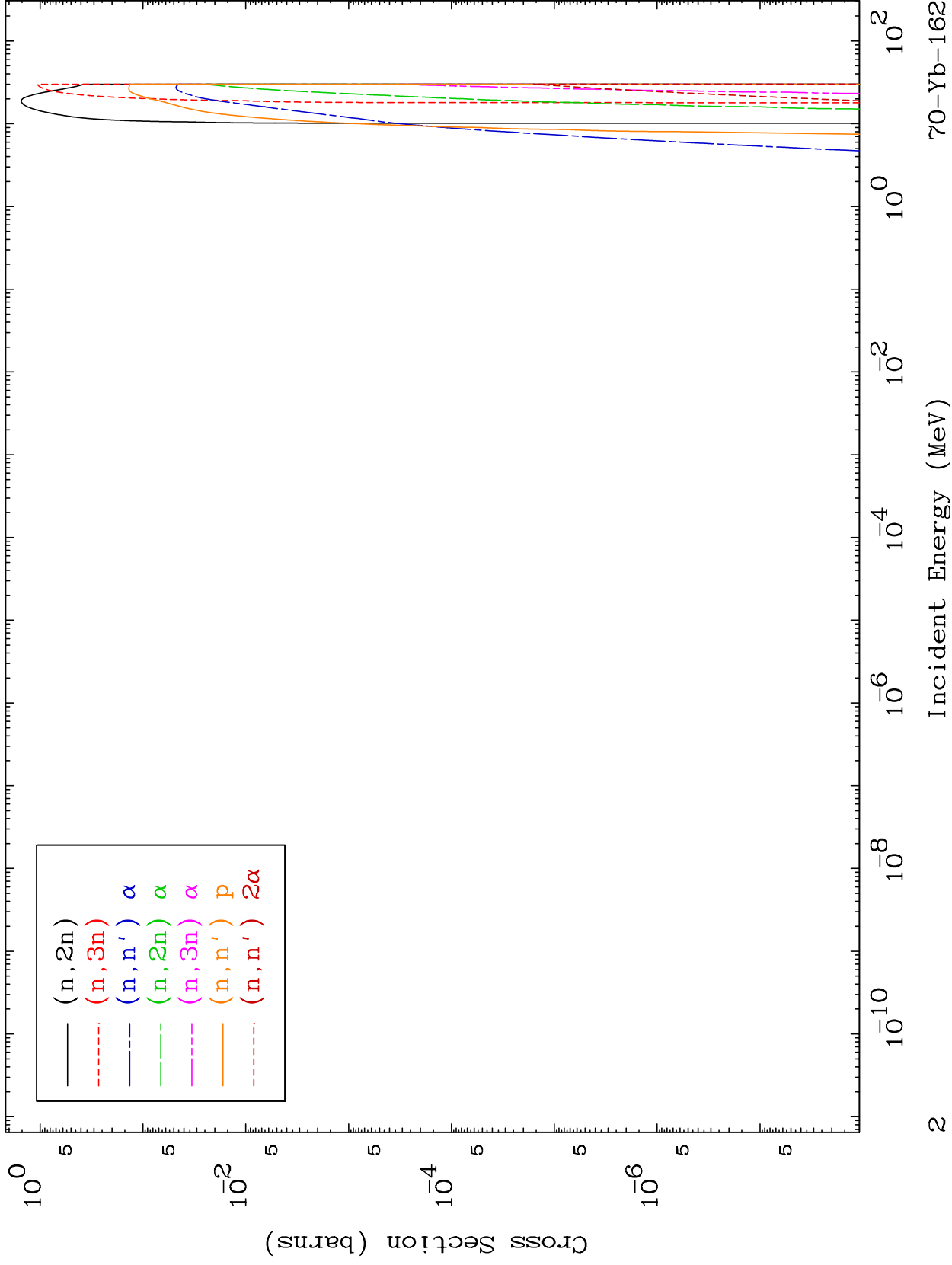
Press Mouse Button to Start

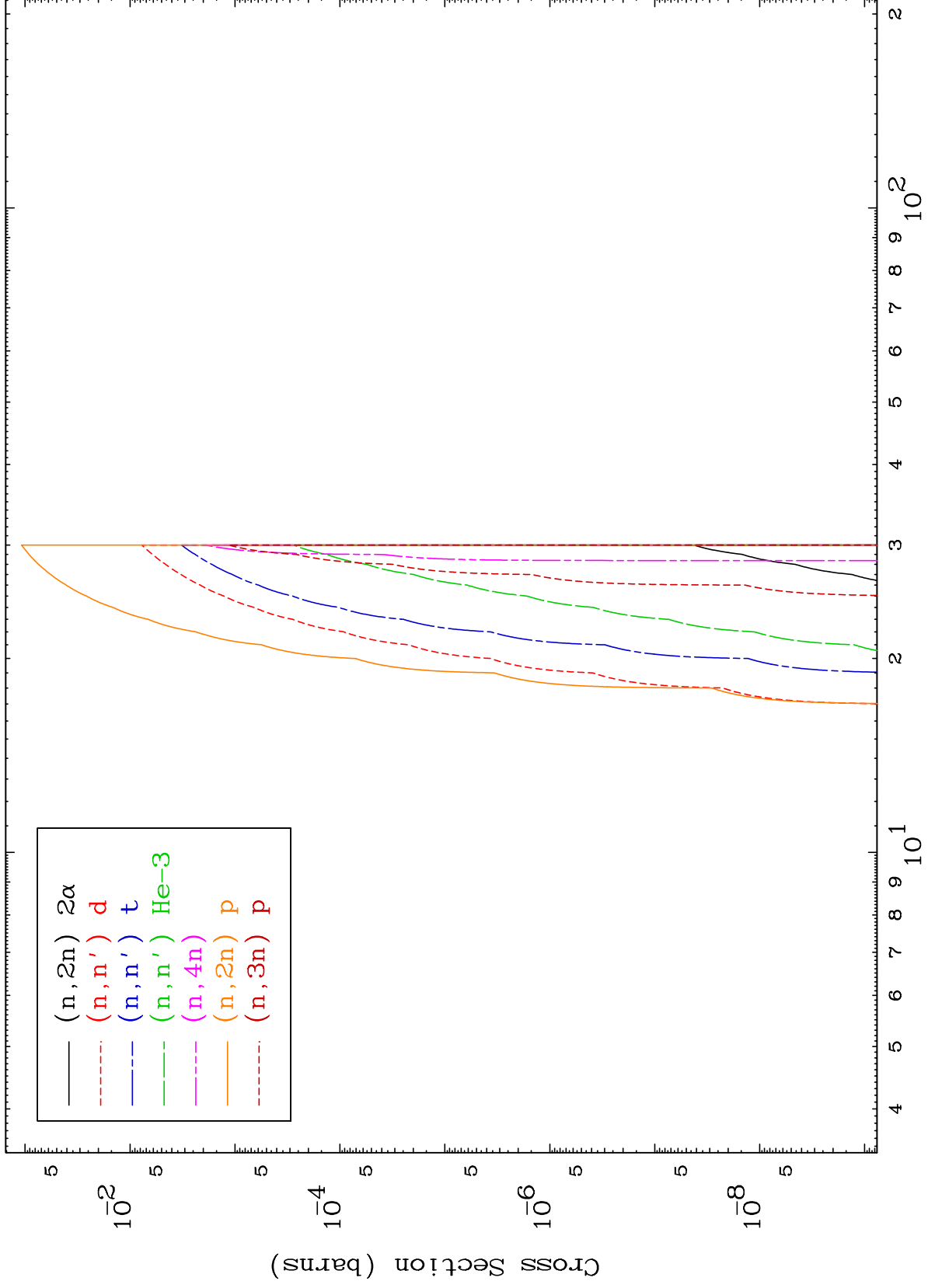


MAT 7007

Neutron Production  
293 Kelvin Cross Sections

70-Yb-162

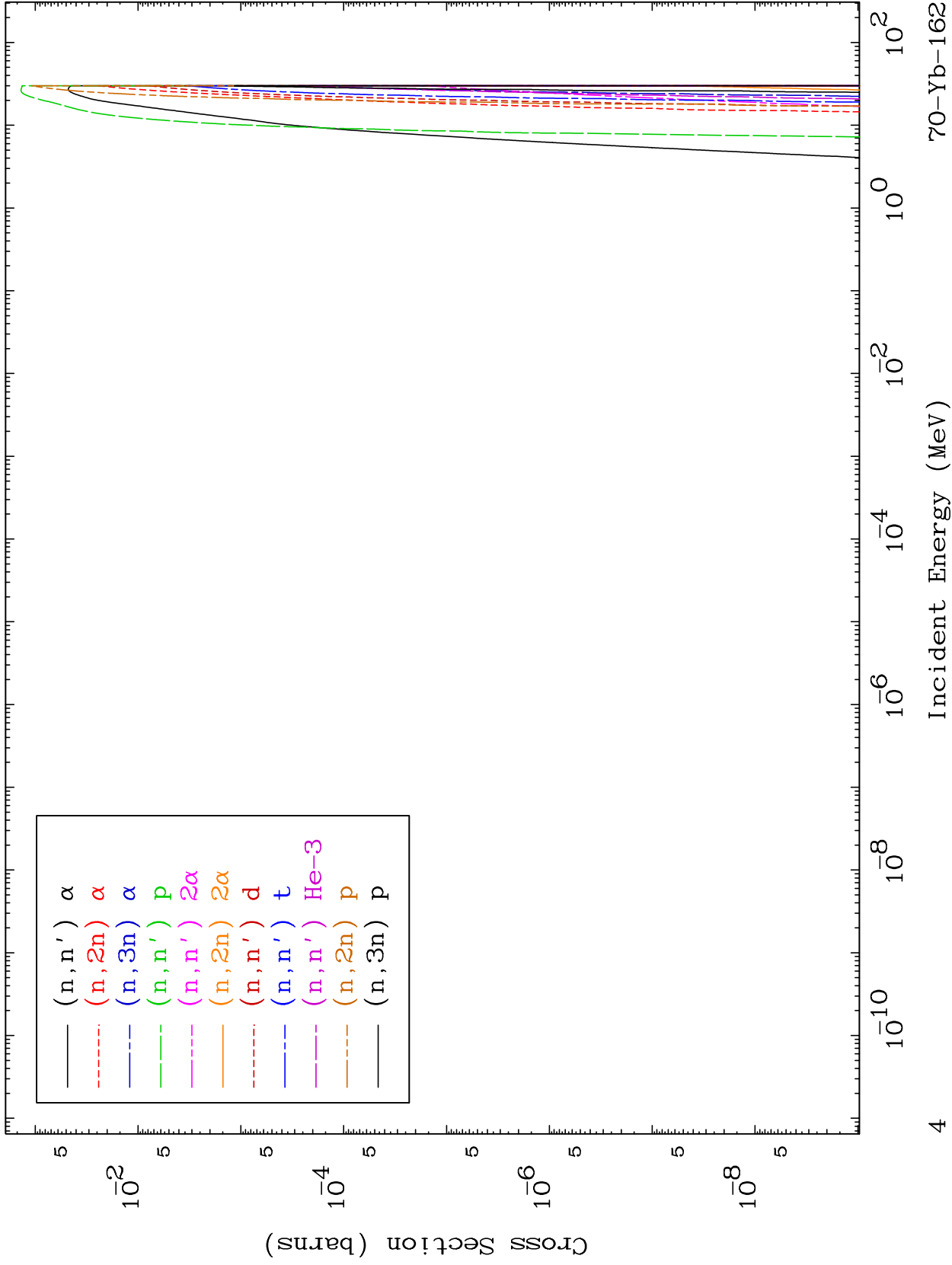




MAT 7007

Charged Particle  
293 Kelvin Cross Sections

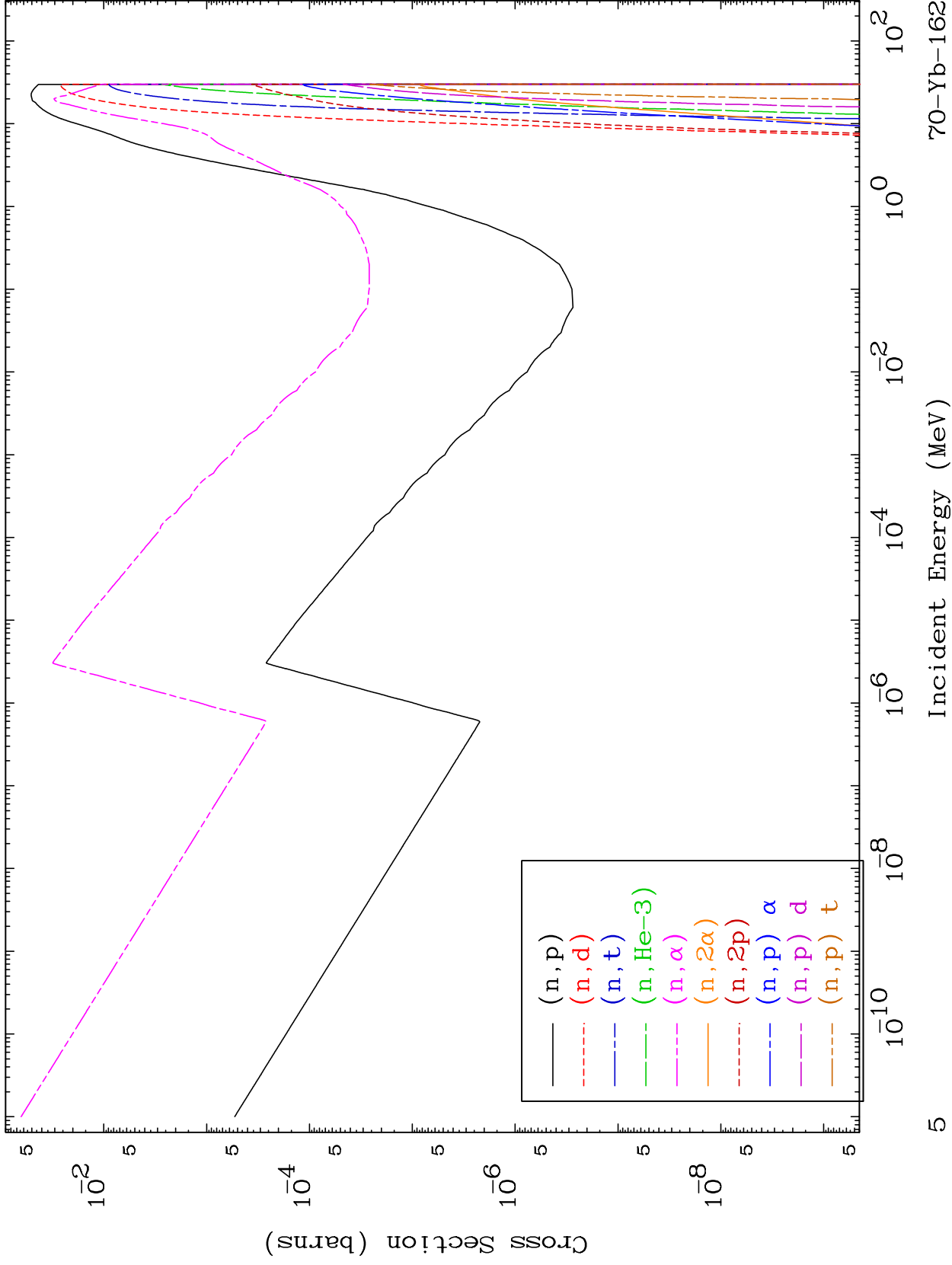
70-Yb-162



MAT 7007

Charged Particle  
293 Kelvin Cross Sections

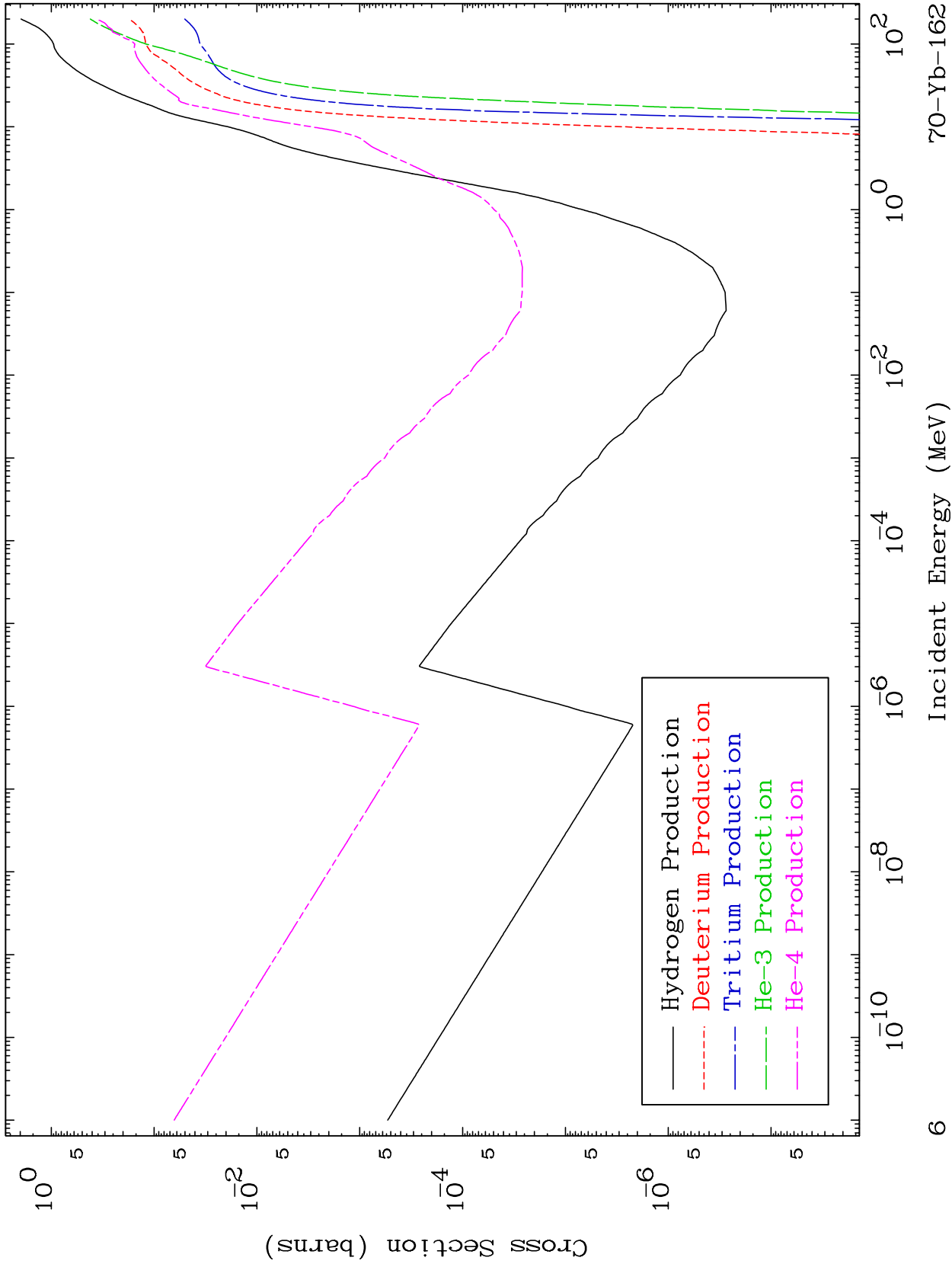
70-Yb-162



MAT 7007

Particle Production  
293 Kelvin Cross Sections

70-Yb-162

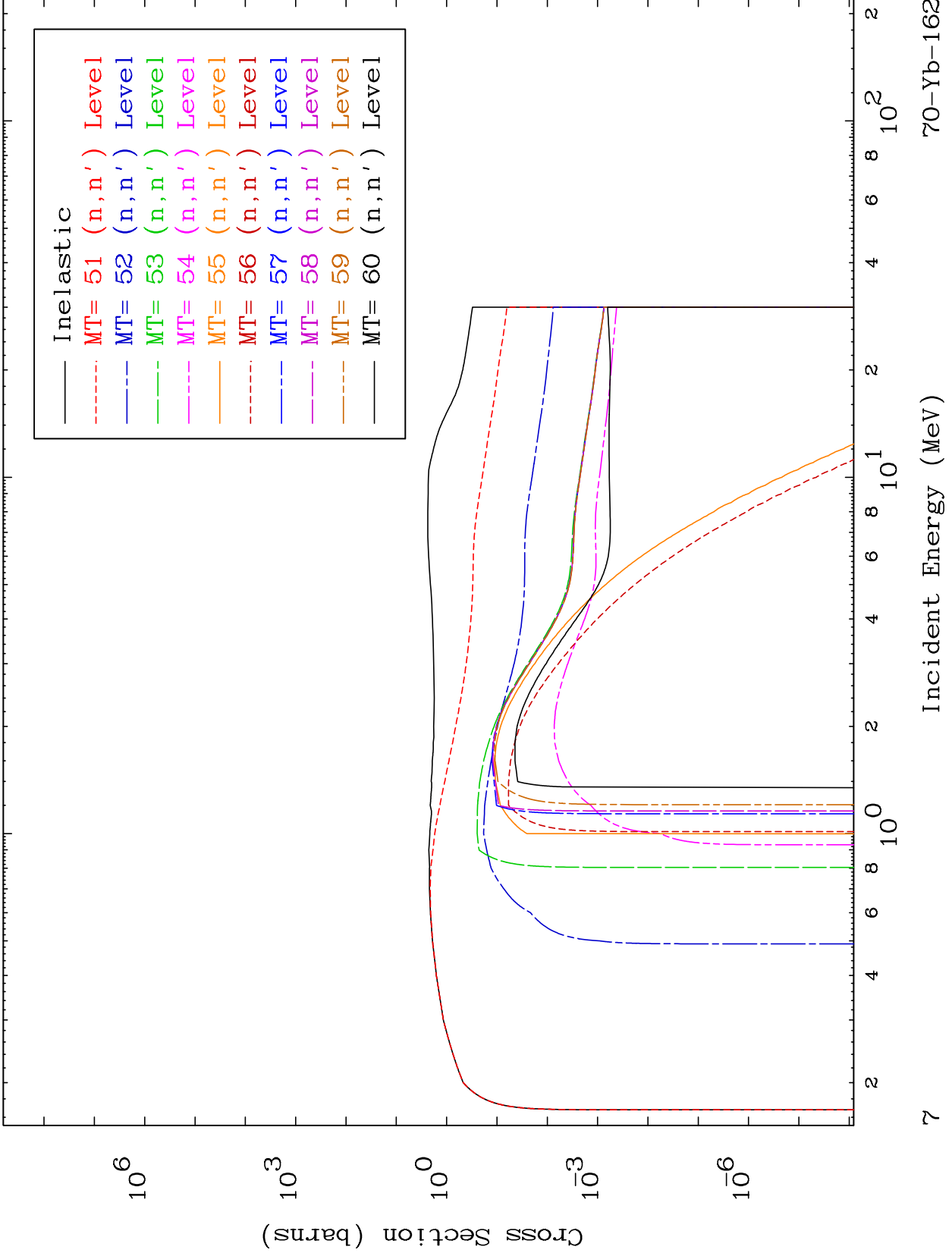


MAT 7007

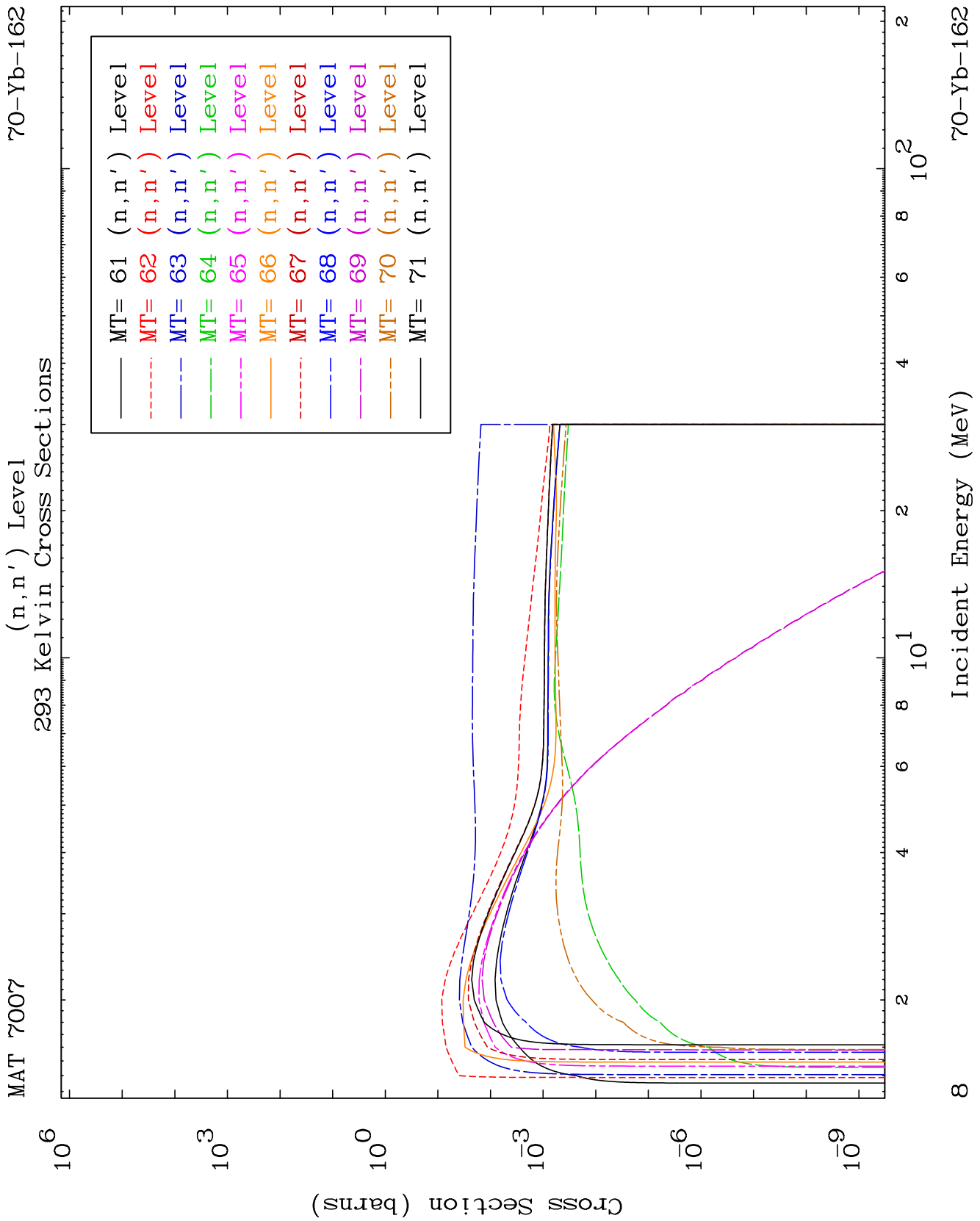
(n,n') Level

70-Yb-162

293 Kelvin Cross Sections





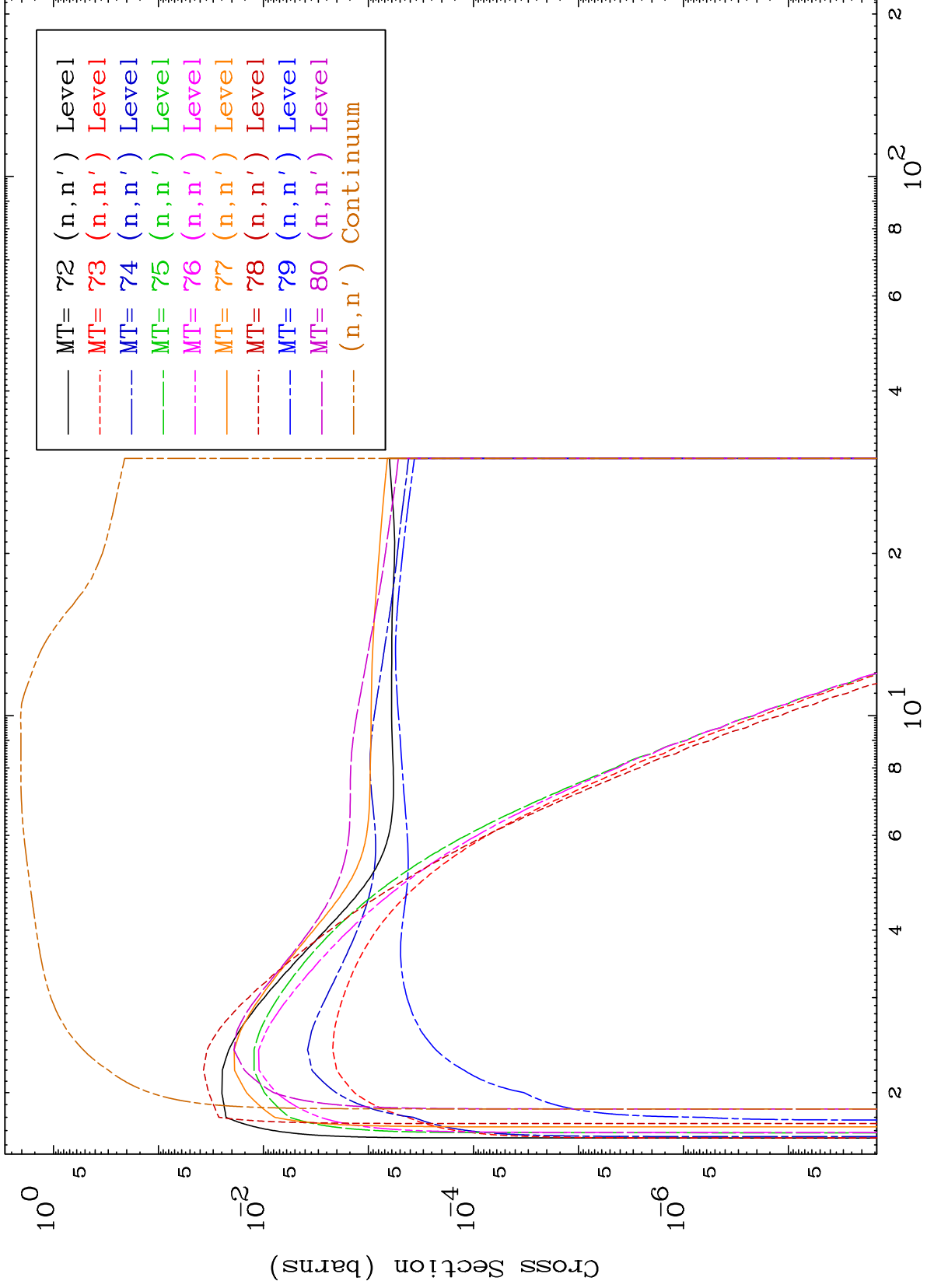


MAT 7007

(n,n') Level

70-Yb-162

293 Kelvin Cross Sections



9

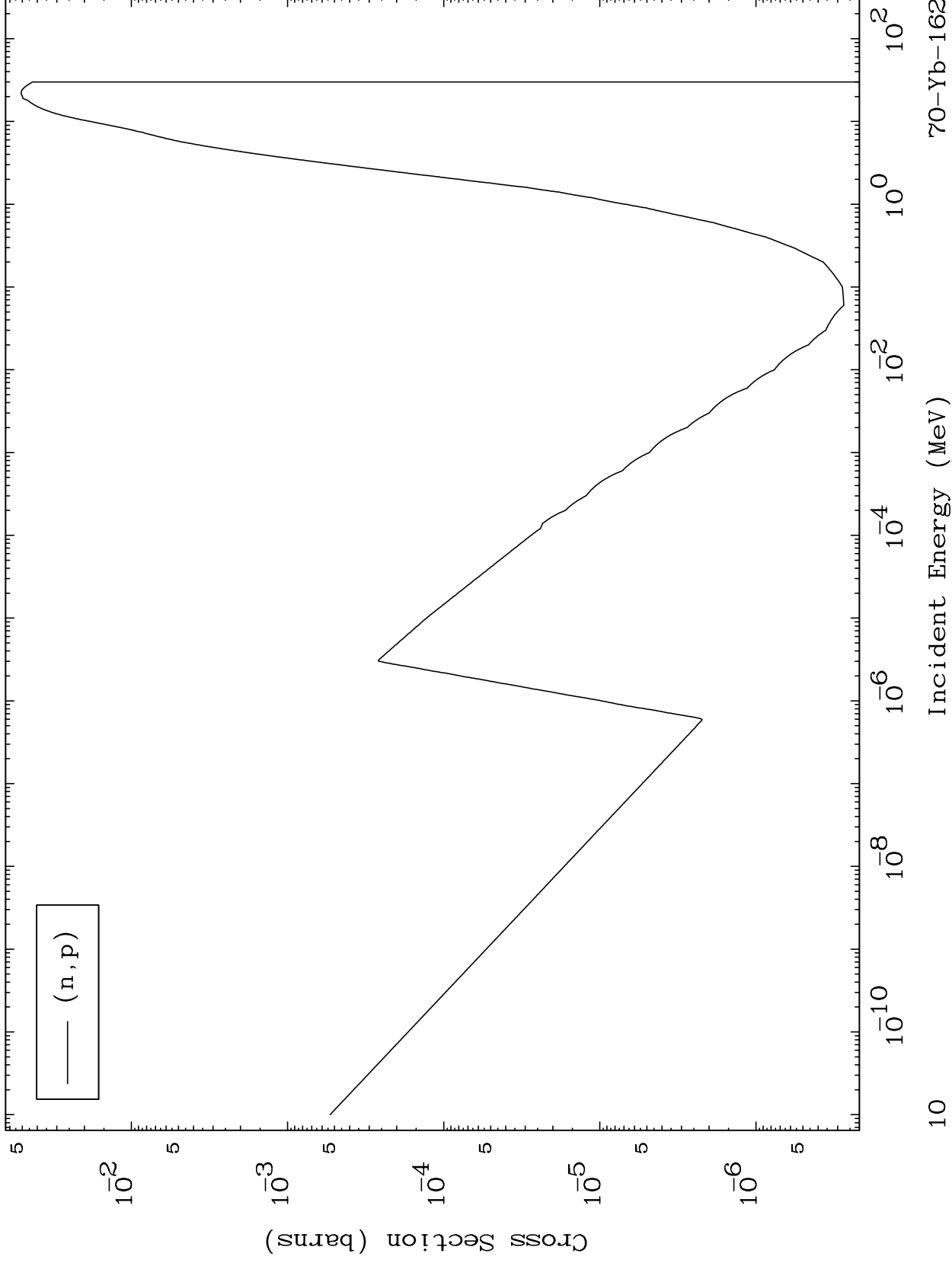
Incident Energy (MeV)

70-Yb-162

MAT 7007

(n,p) Levels  
293 Kelvin Cross Sections

70-Yb-162



10

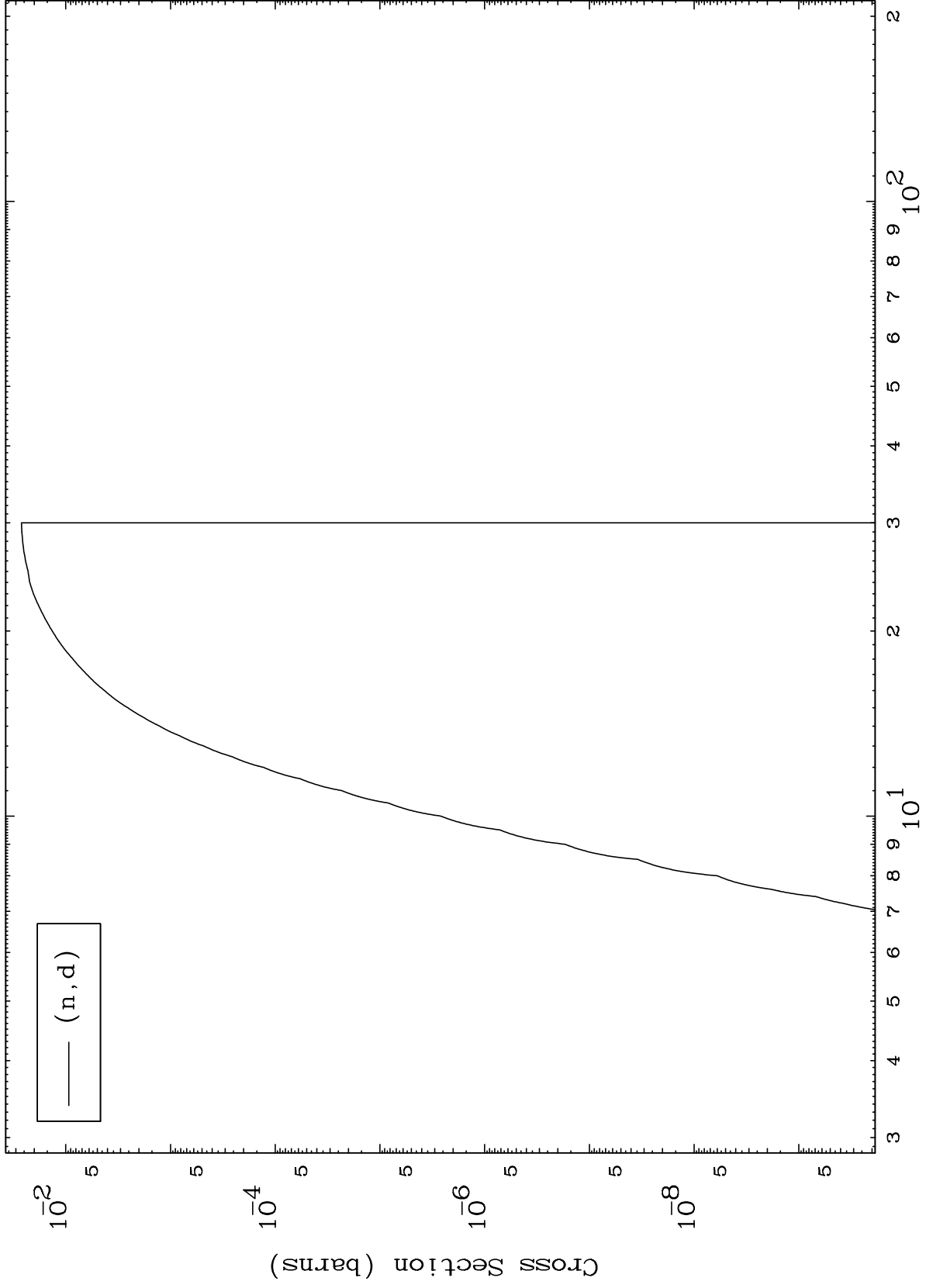
Incident Energy (MeV)

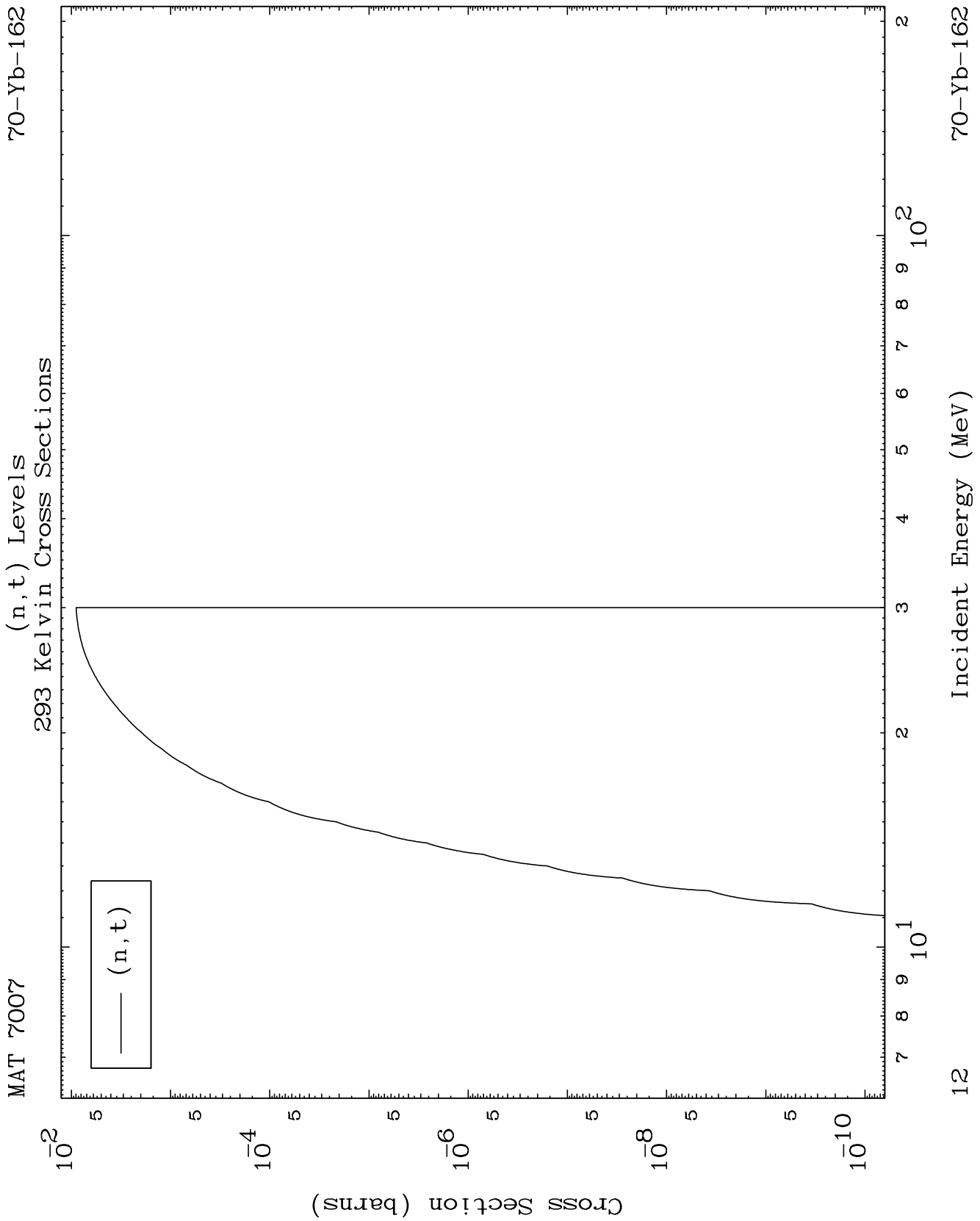
70-Yb-162

MAT 7007

(n,d) Levels  
293 Kelvin Cross Sections

70-Yb-162

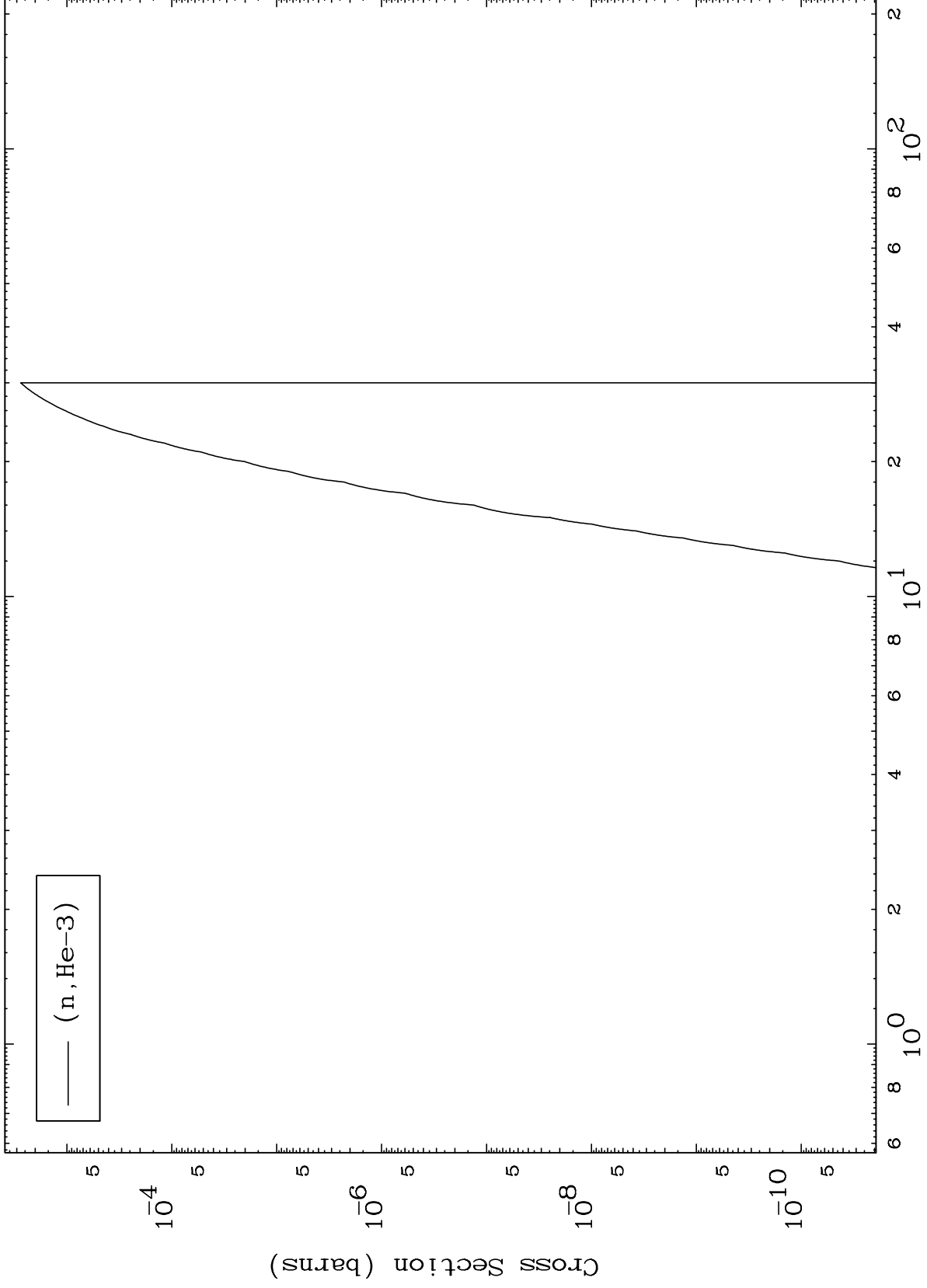




MAT 7007

(n,He3) Levels  
293 Kelvin Cross Sections

70-Yb-162



13

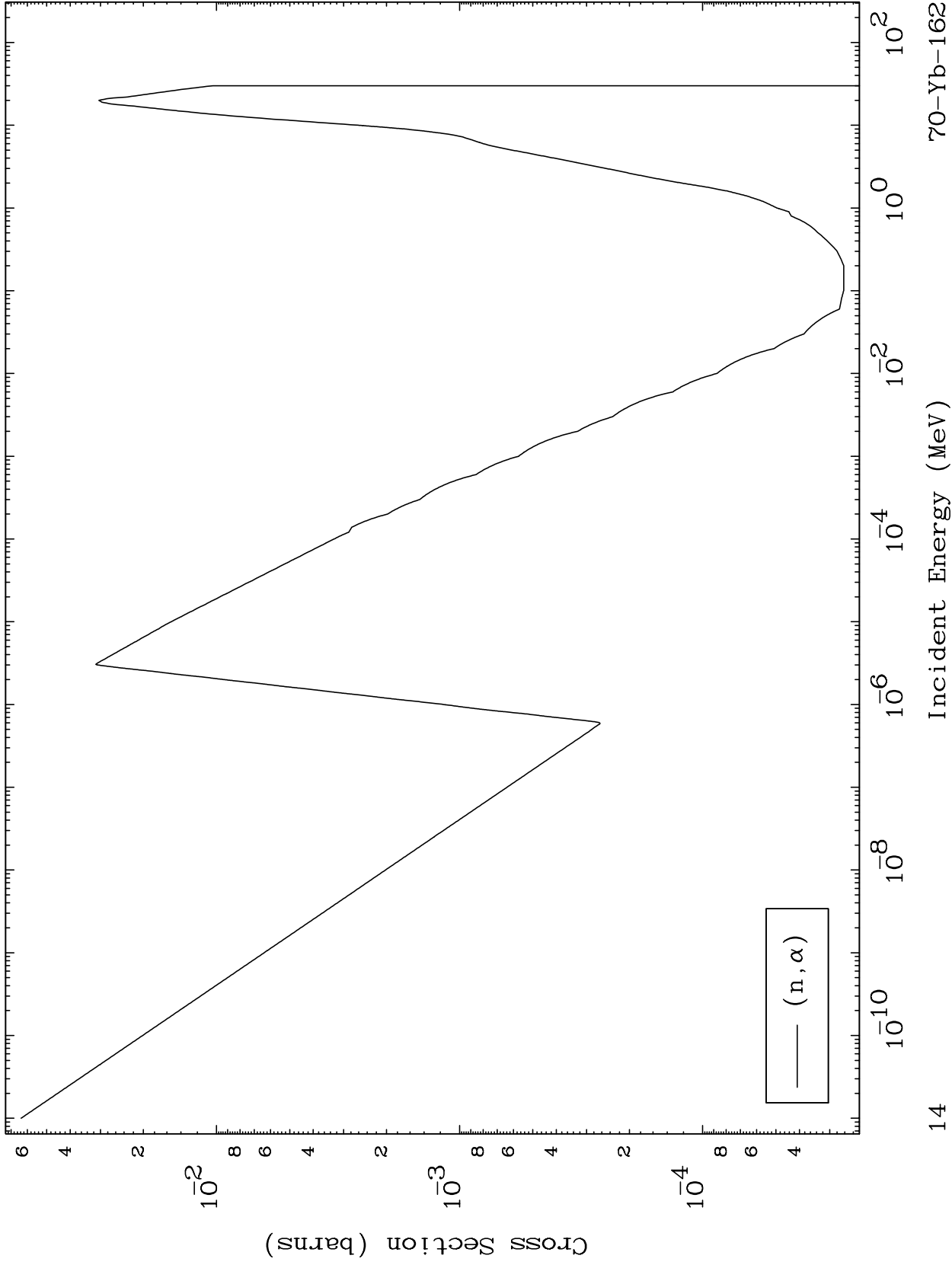
Incident Energy (MeV)

70-Yb-162

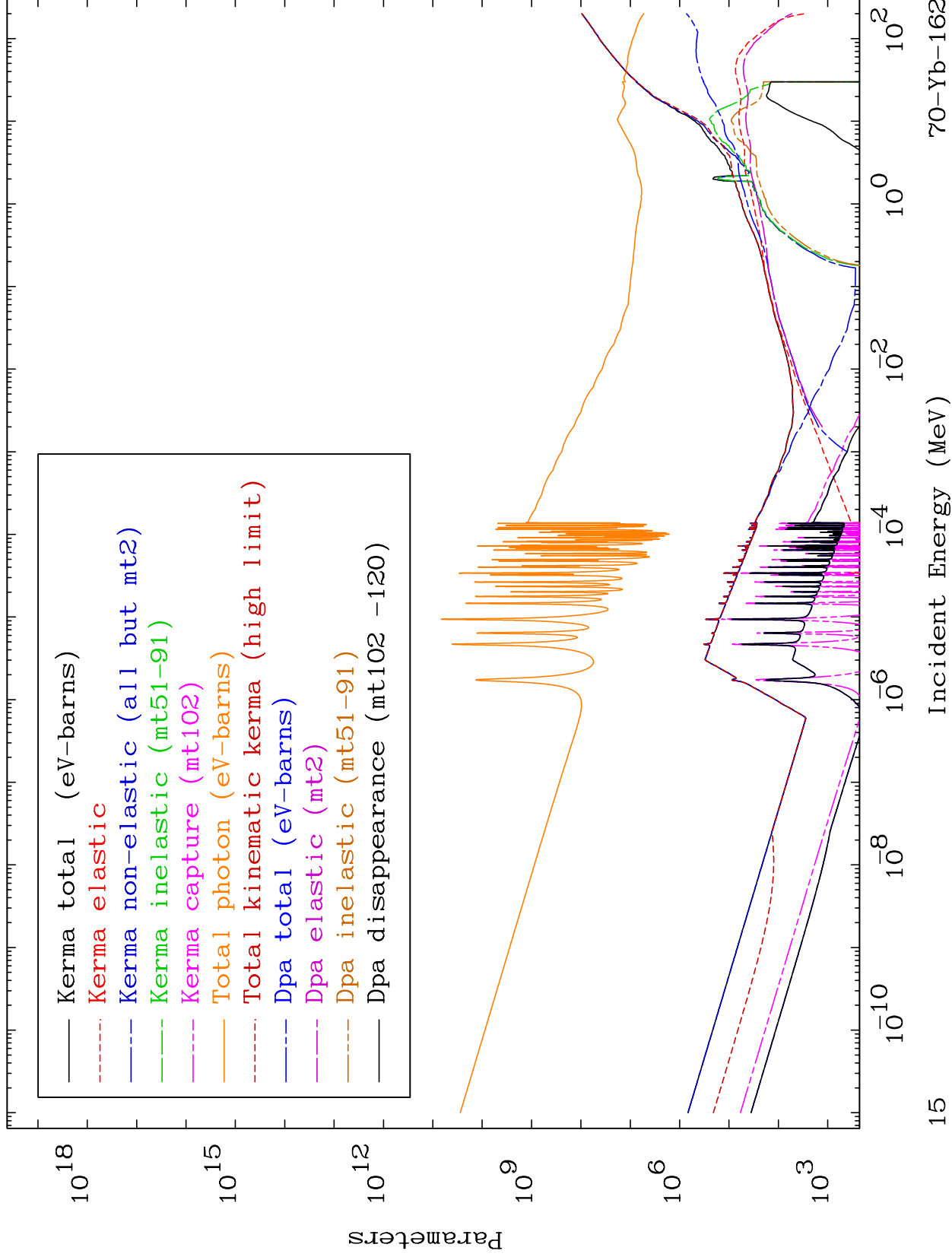
MAT 7007

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

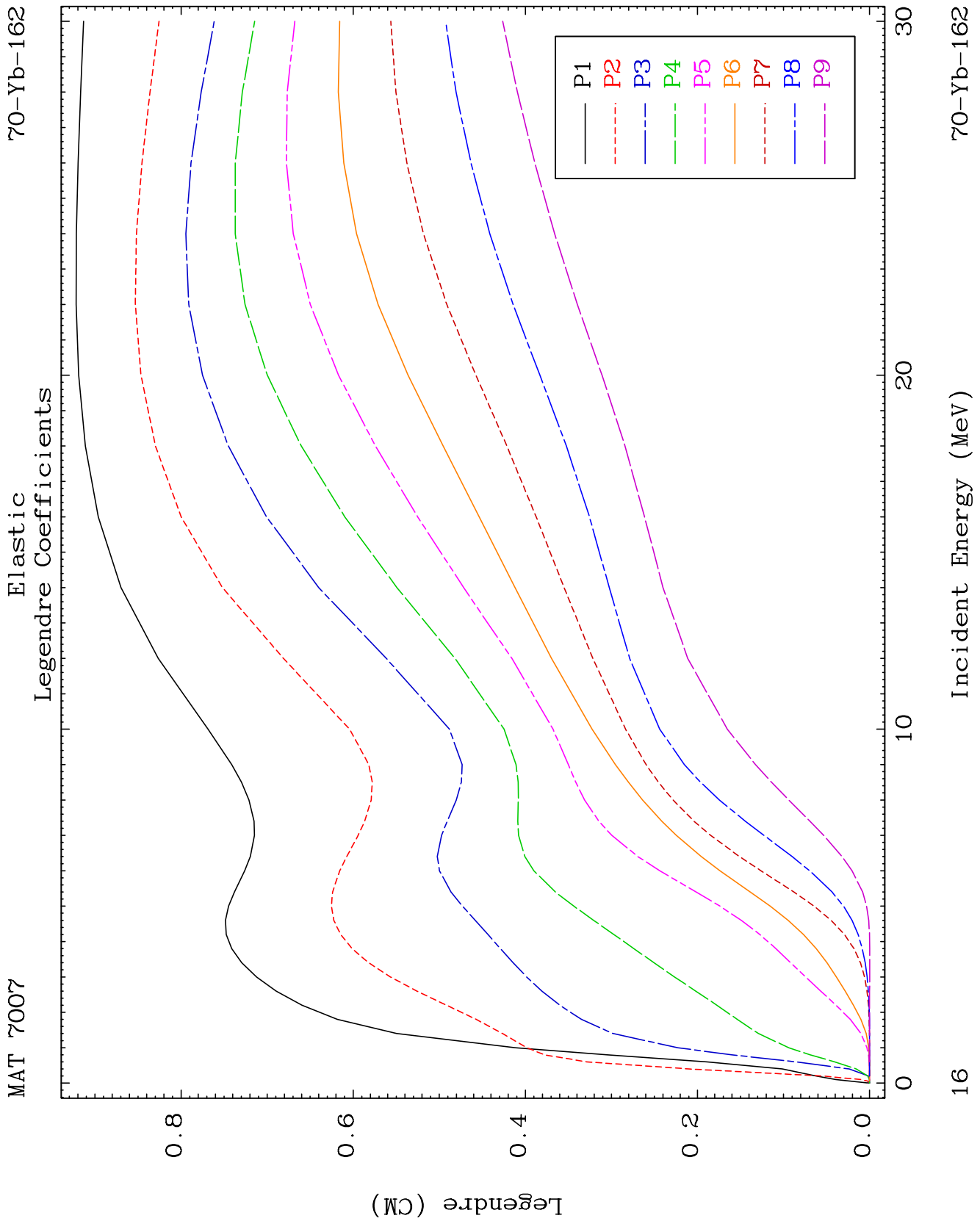
70-Yb-162



14







MAT 7007

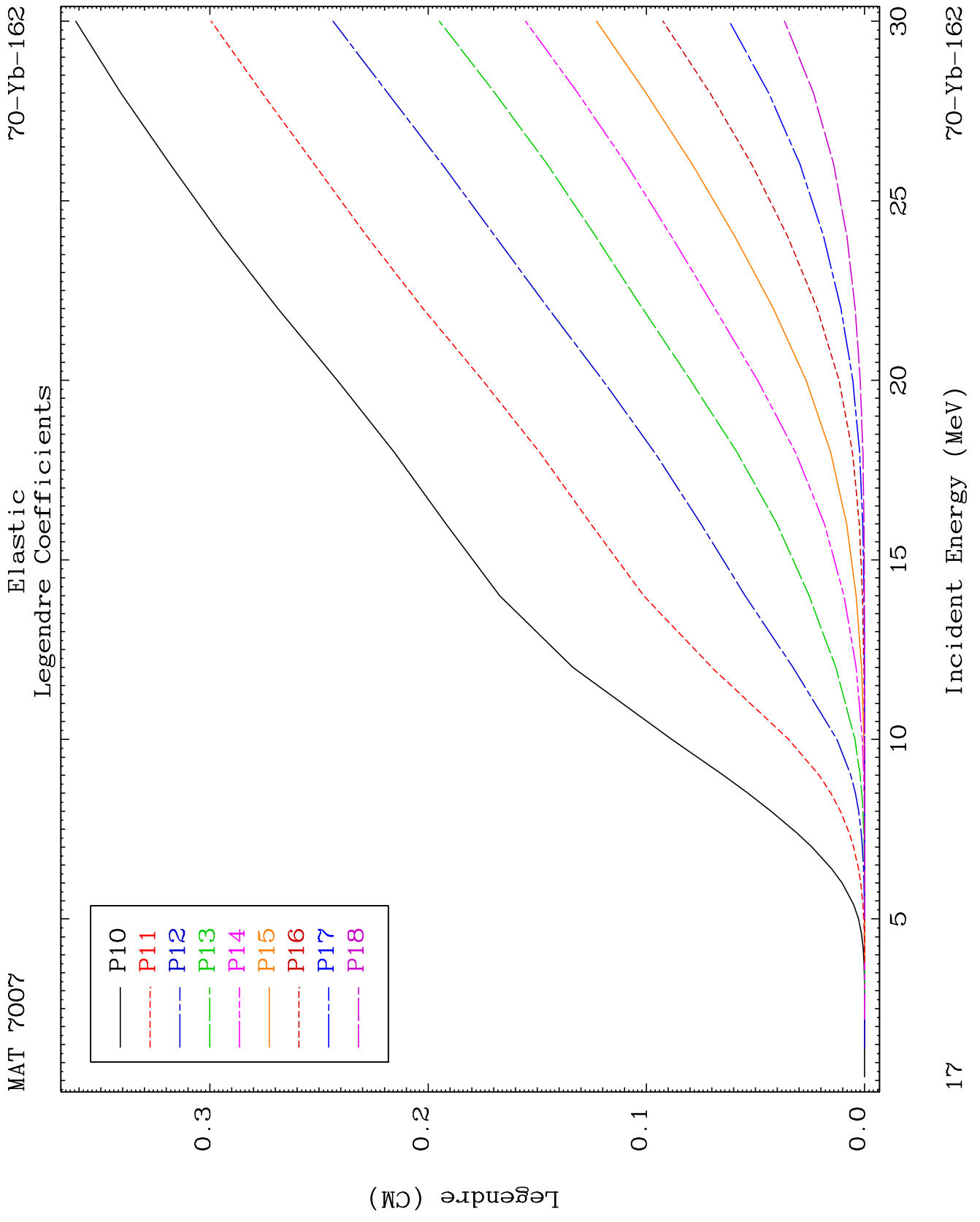
Elastic Legendre Coefficients

$^{70}\text{Yb-162}$

16

Incident Energy (MeV)

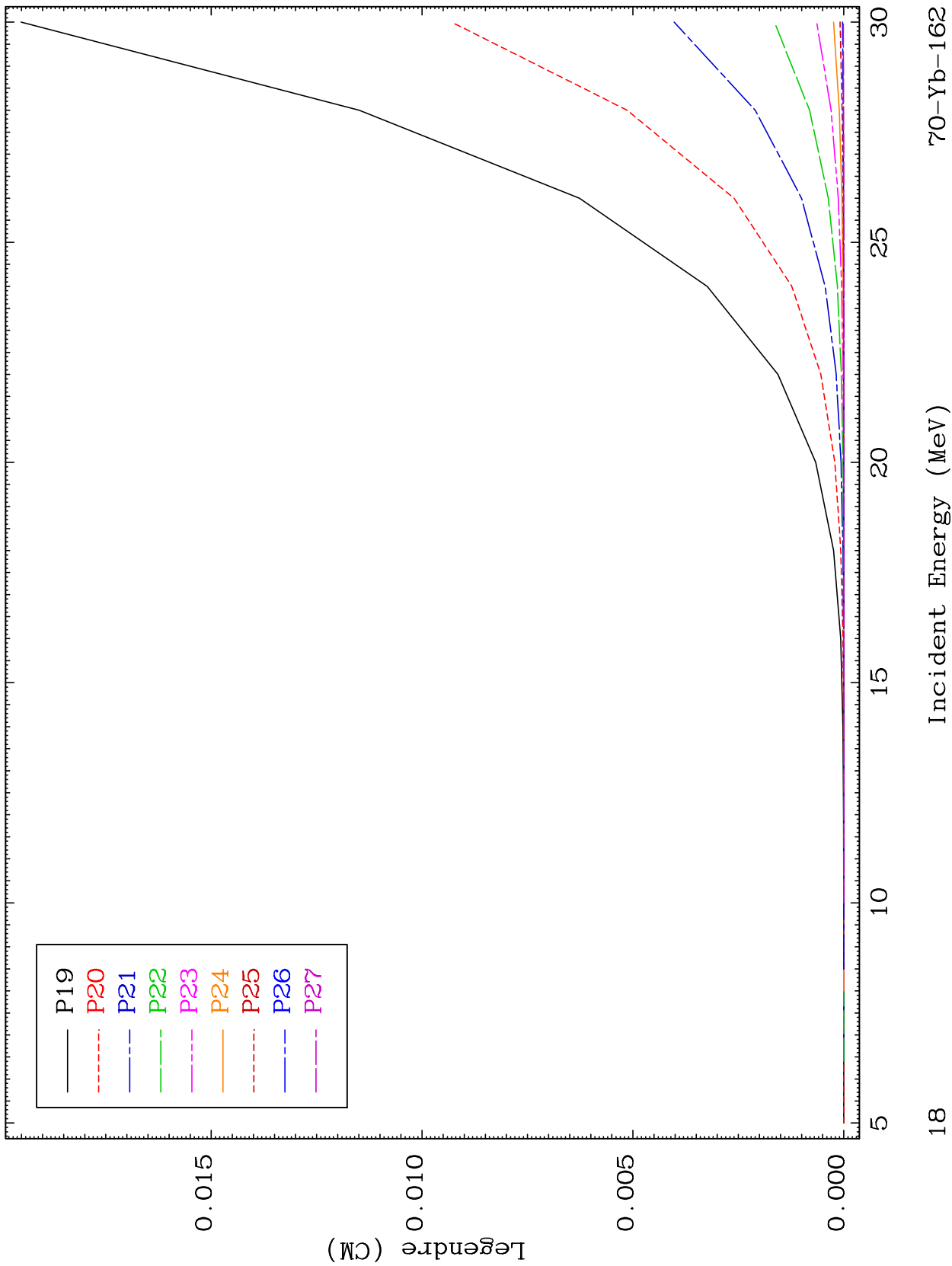
$^{70}\text{Yb-162}$



MAT 7007

Elastic Legendre Coefficients

70-Yb-162



18

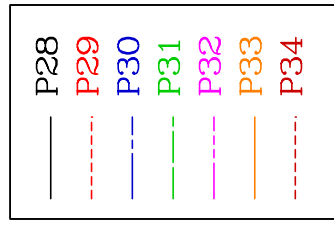
Incident Energy (MeV)

70-Yb-162

MAT 7007

Elastic Legendre Coefficients

70-Yb-162

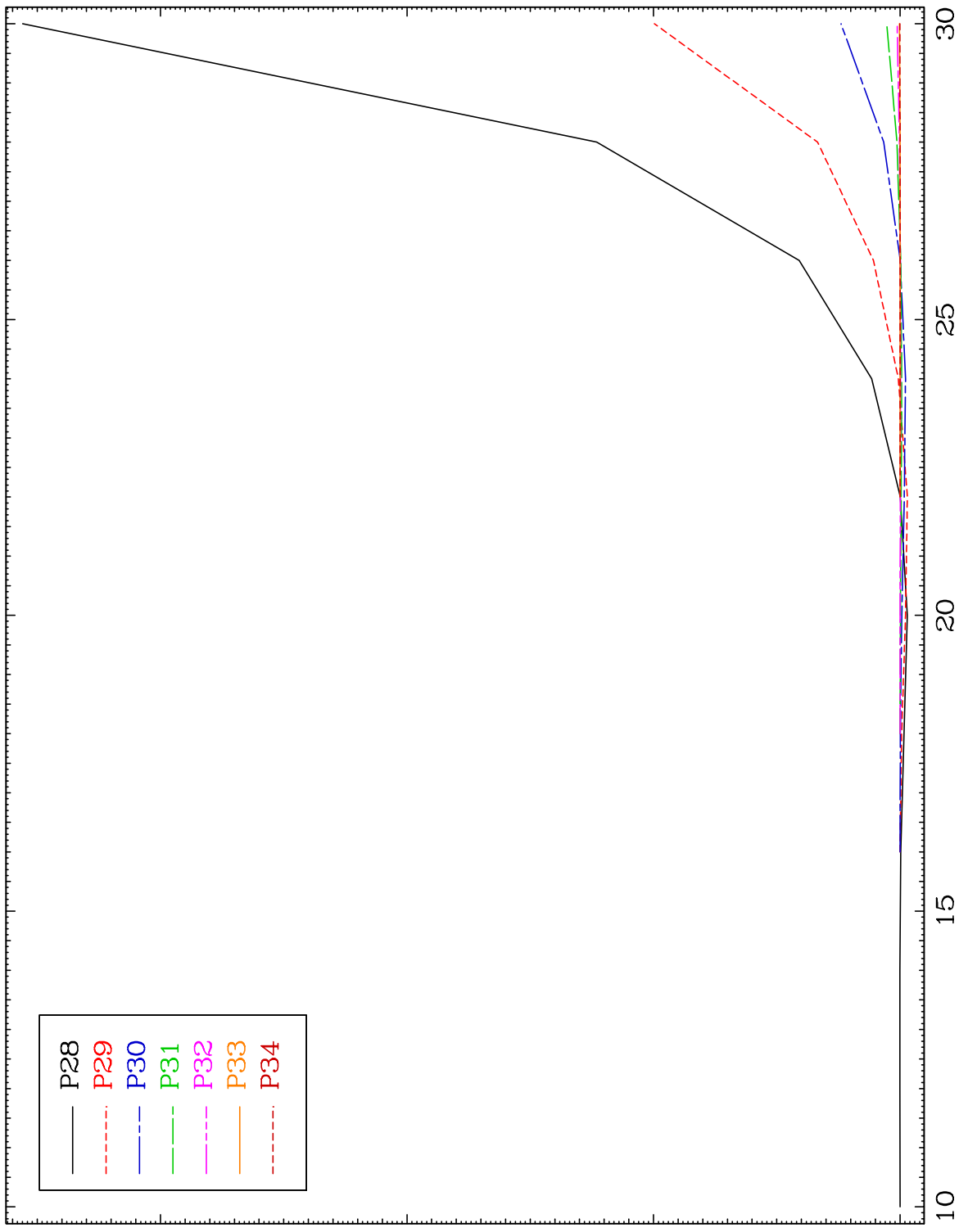


$\times 10^{-6}$

Legendre (CM)

Incident Energy (MeV)

70-Yb-162

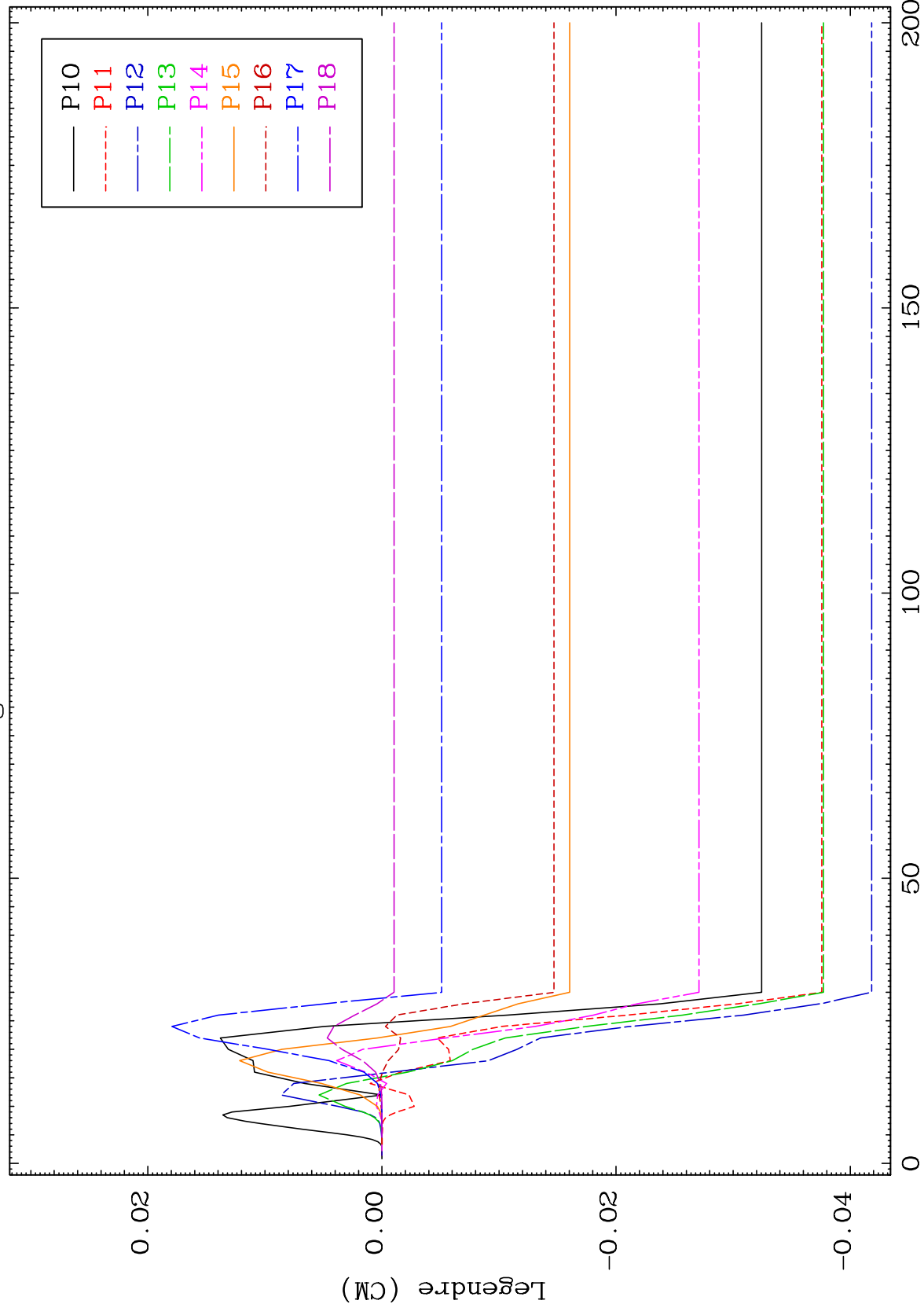




MAT 7007

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

70-Yb-162



21

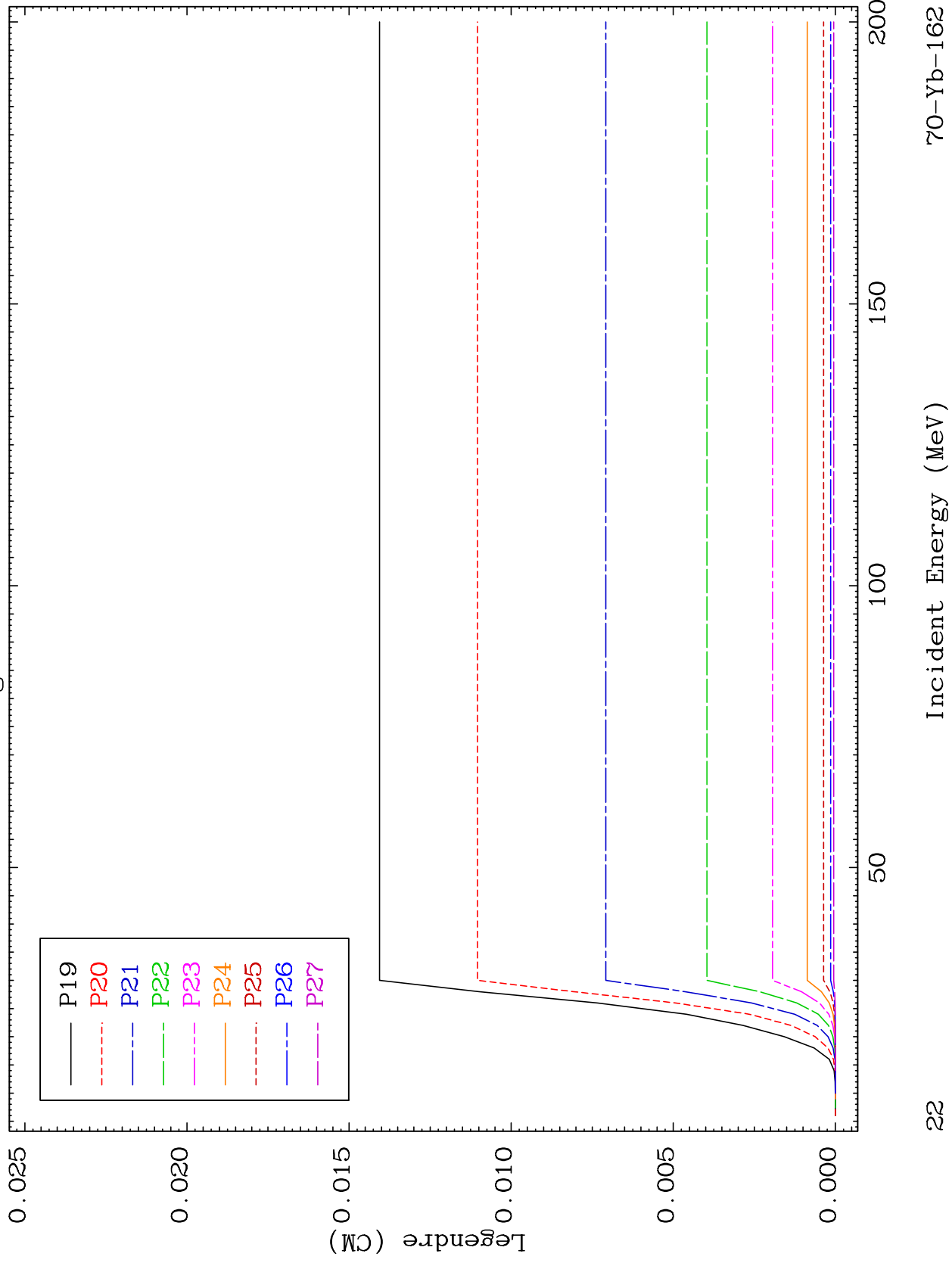
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162



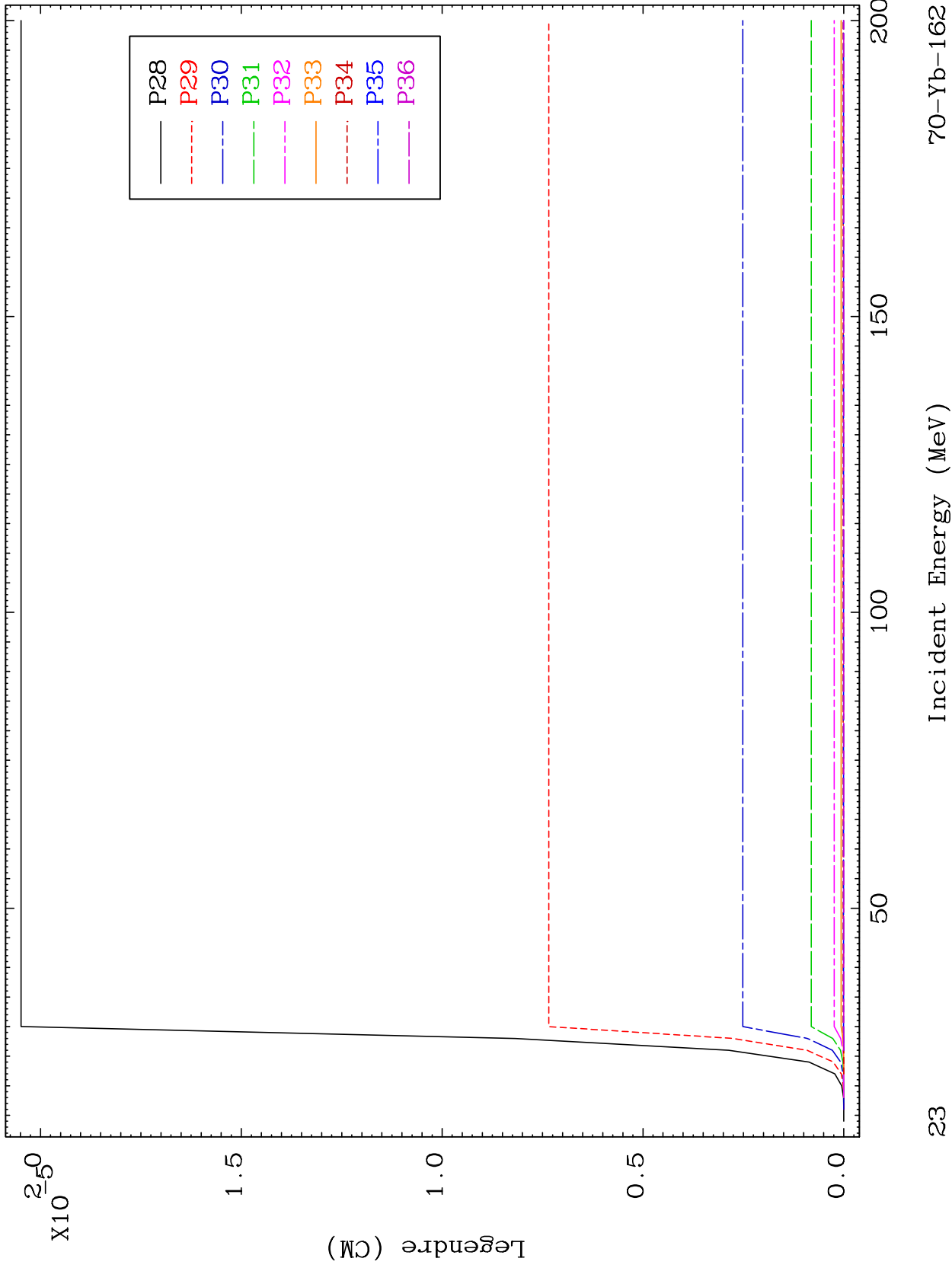
22

70-Yb-162

MAT 7007

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

70-Yb-162



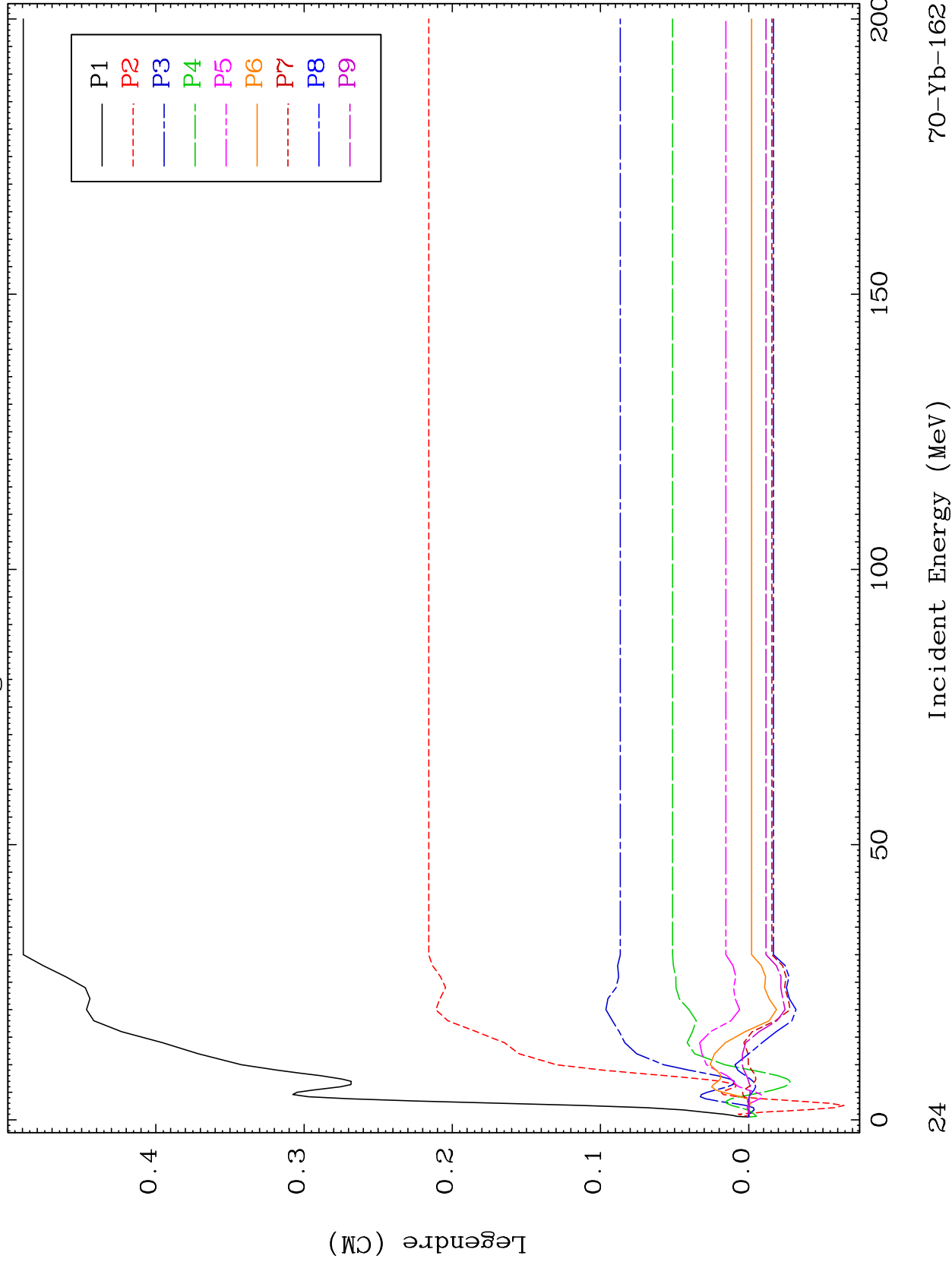
23



MAT 7007

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

70-Yb-162



70-Yb-162

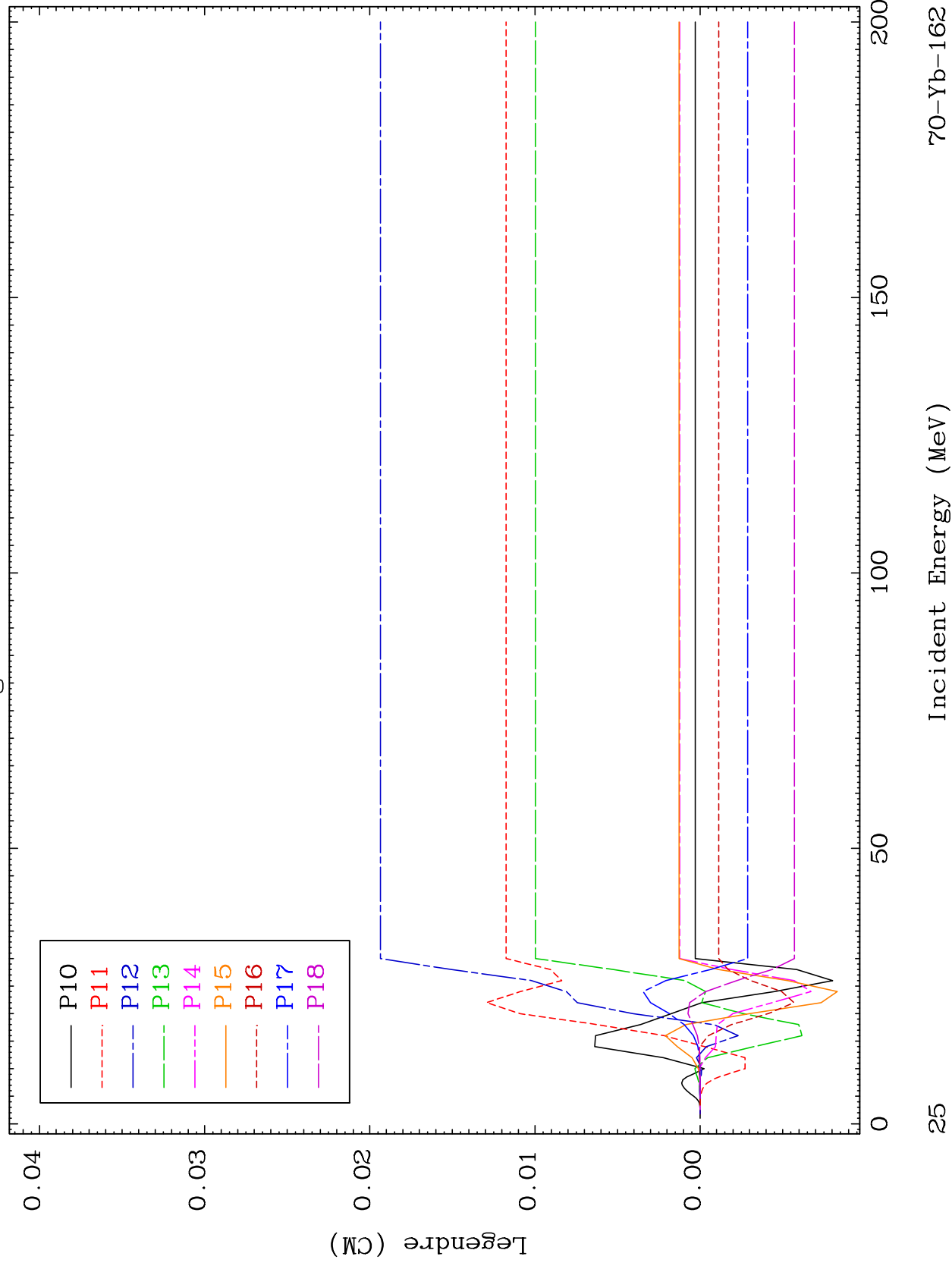
Incident Energy (MeV)

24

MAT 7007

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

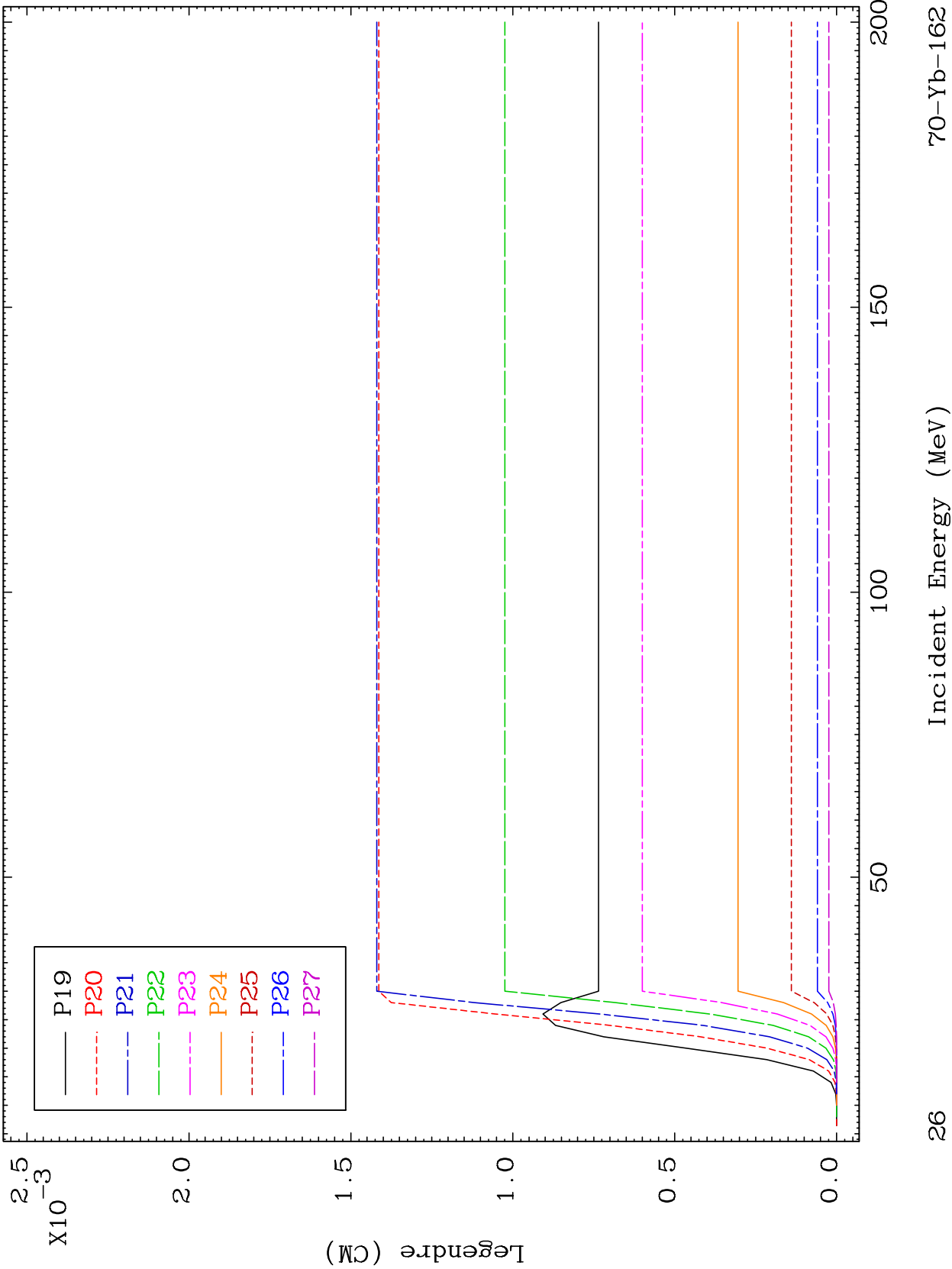
70-Yb-162



25

Incident Energy (MeV)

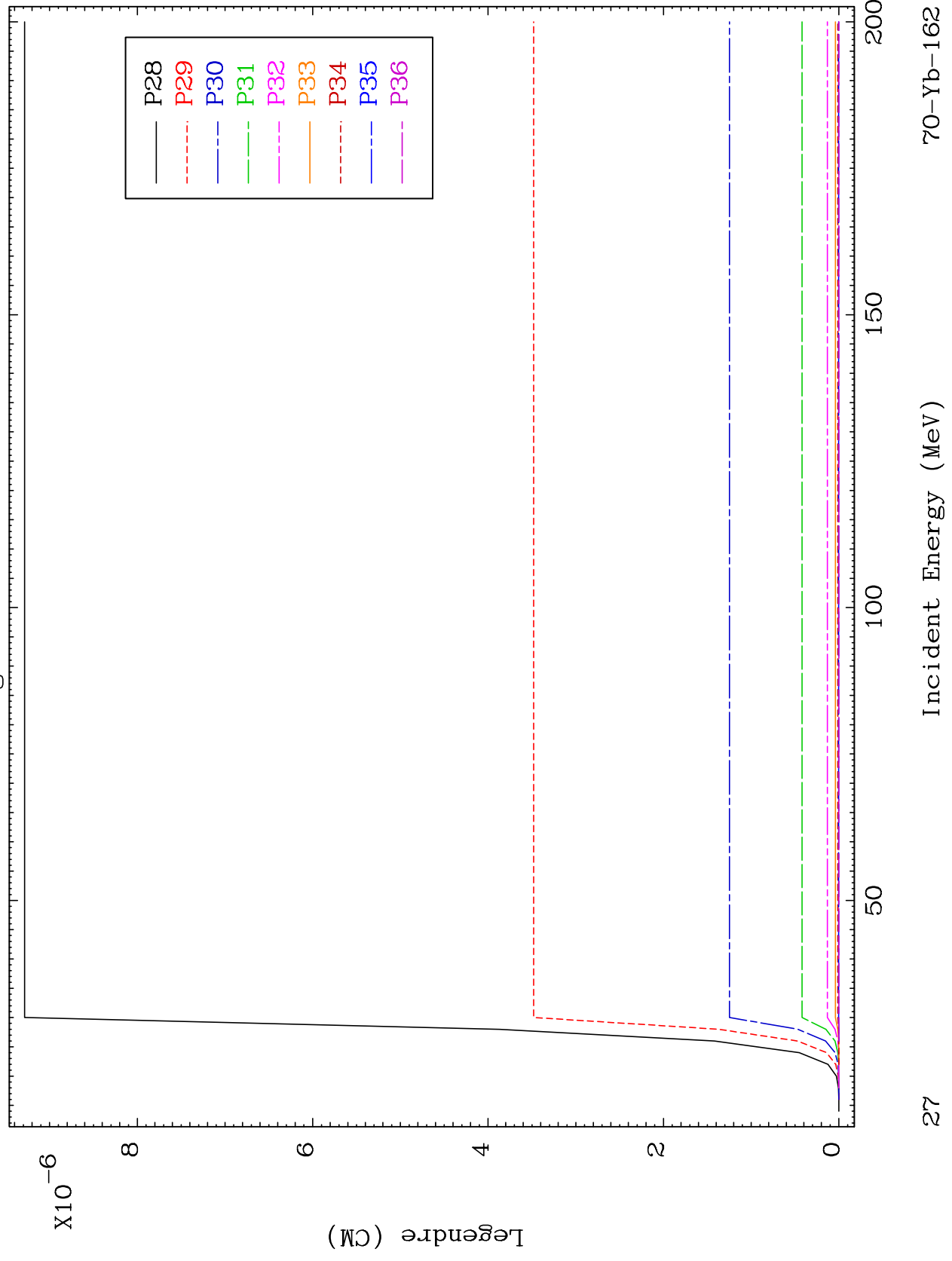
70-Yb-162



MAT 7007

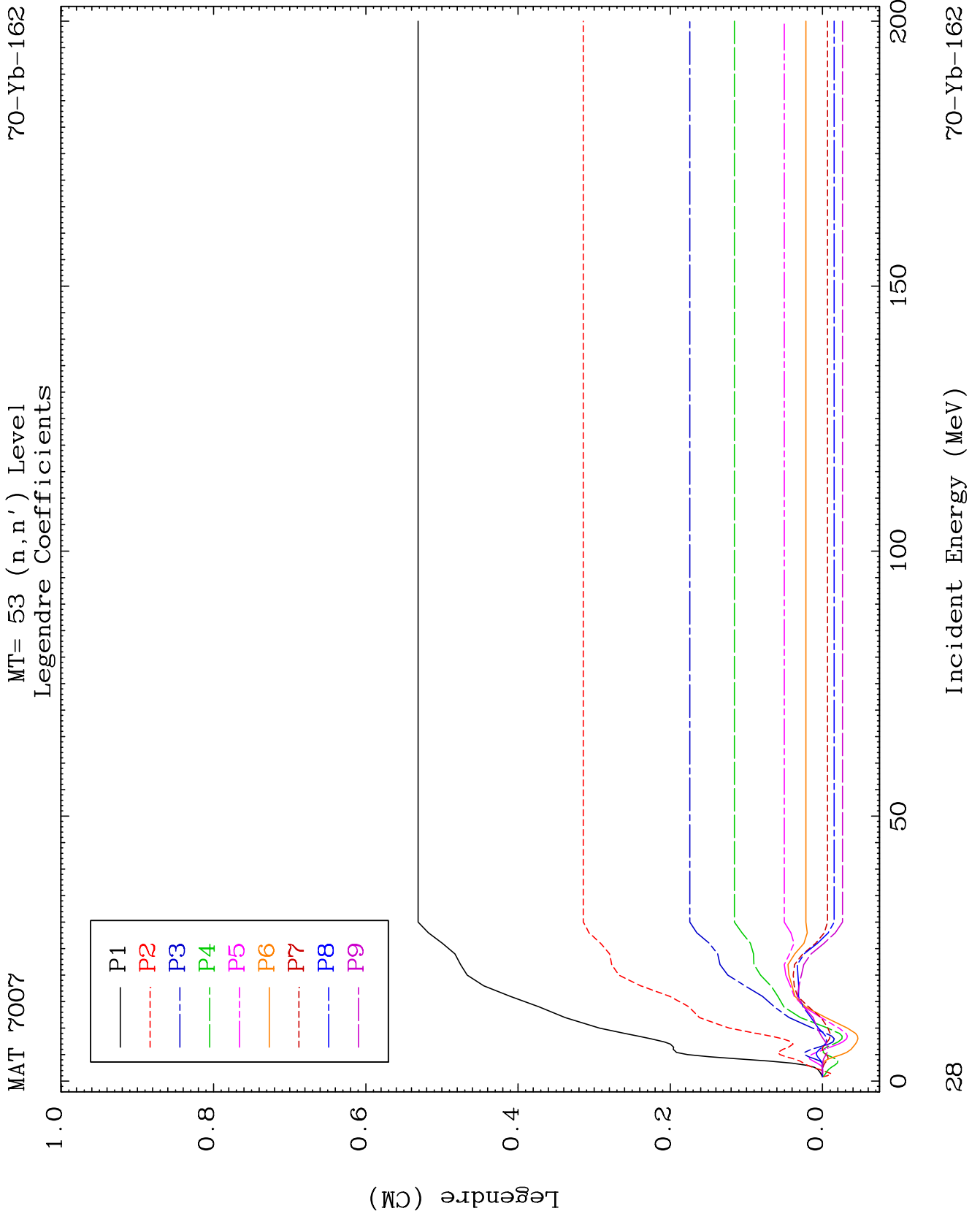
MT= 52 (n,n') Level  
Legendre Coefficients

70-Yb-162



27

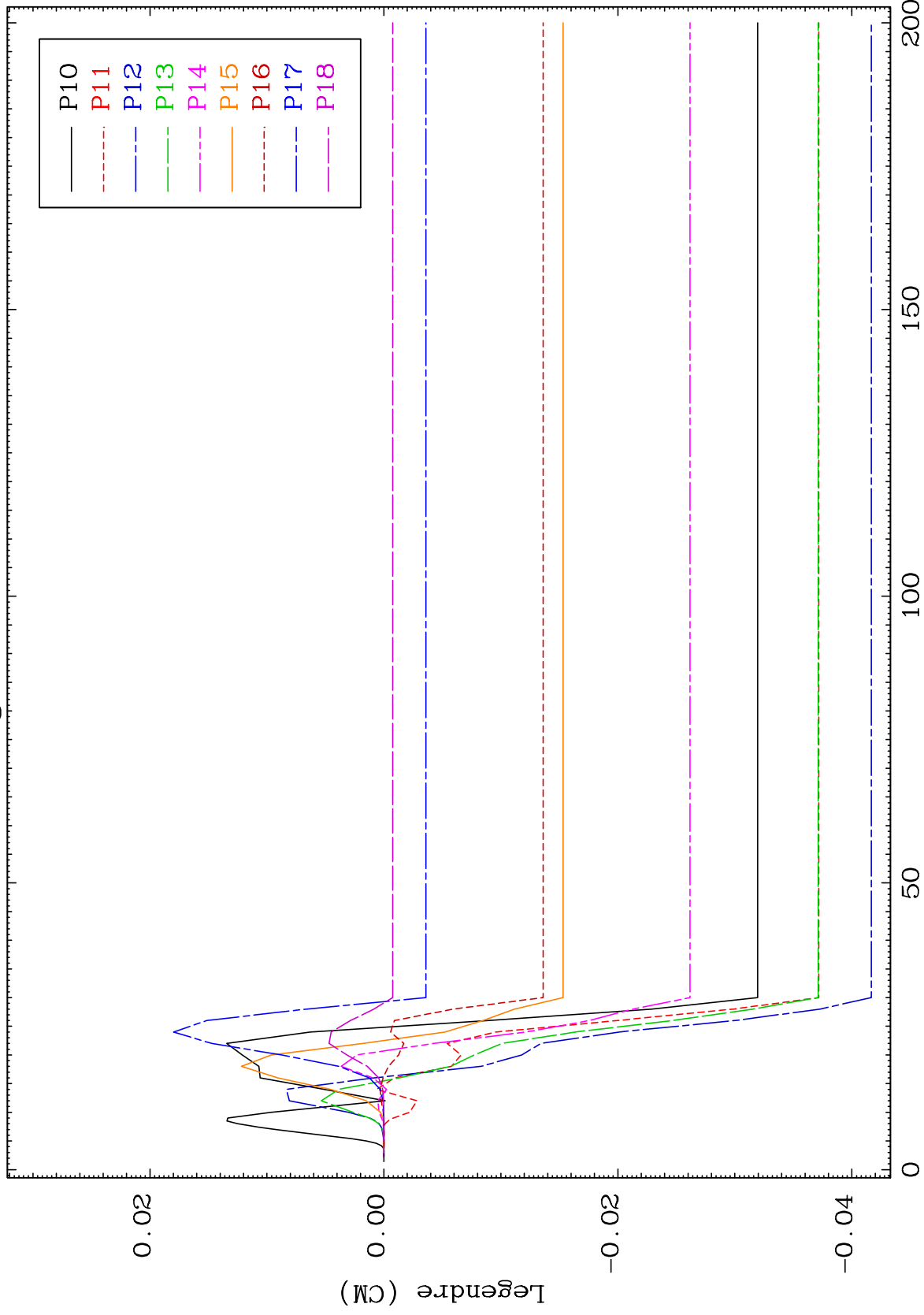
70-Yb-162



MAT 7007

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

70-Yb-162



29

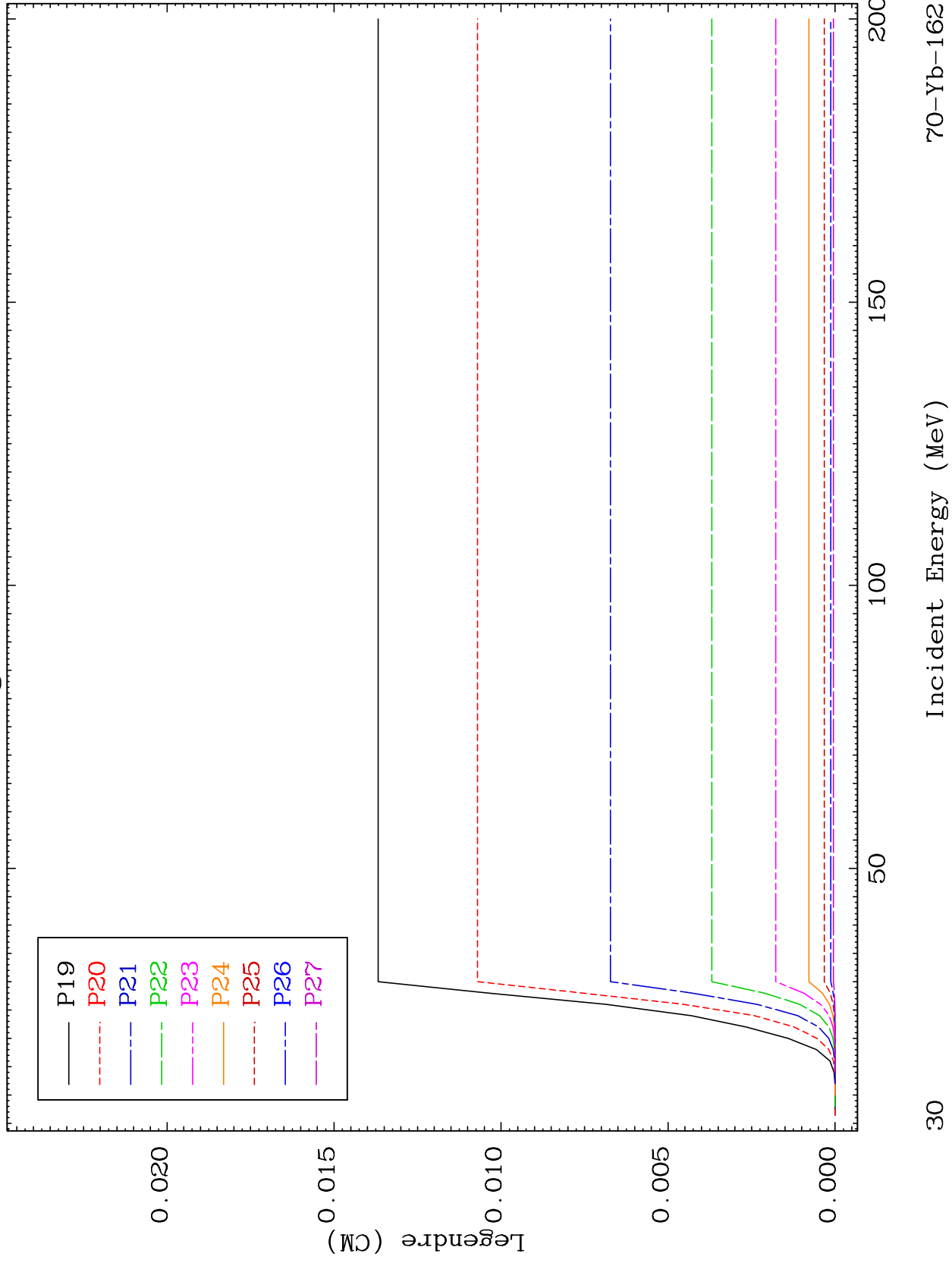
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162



30

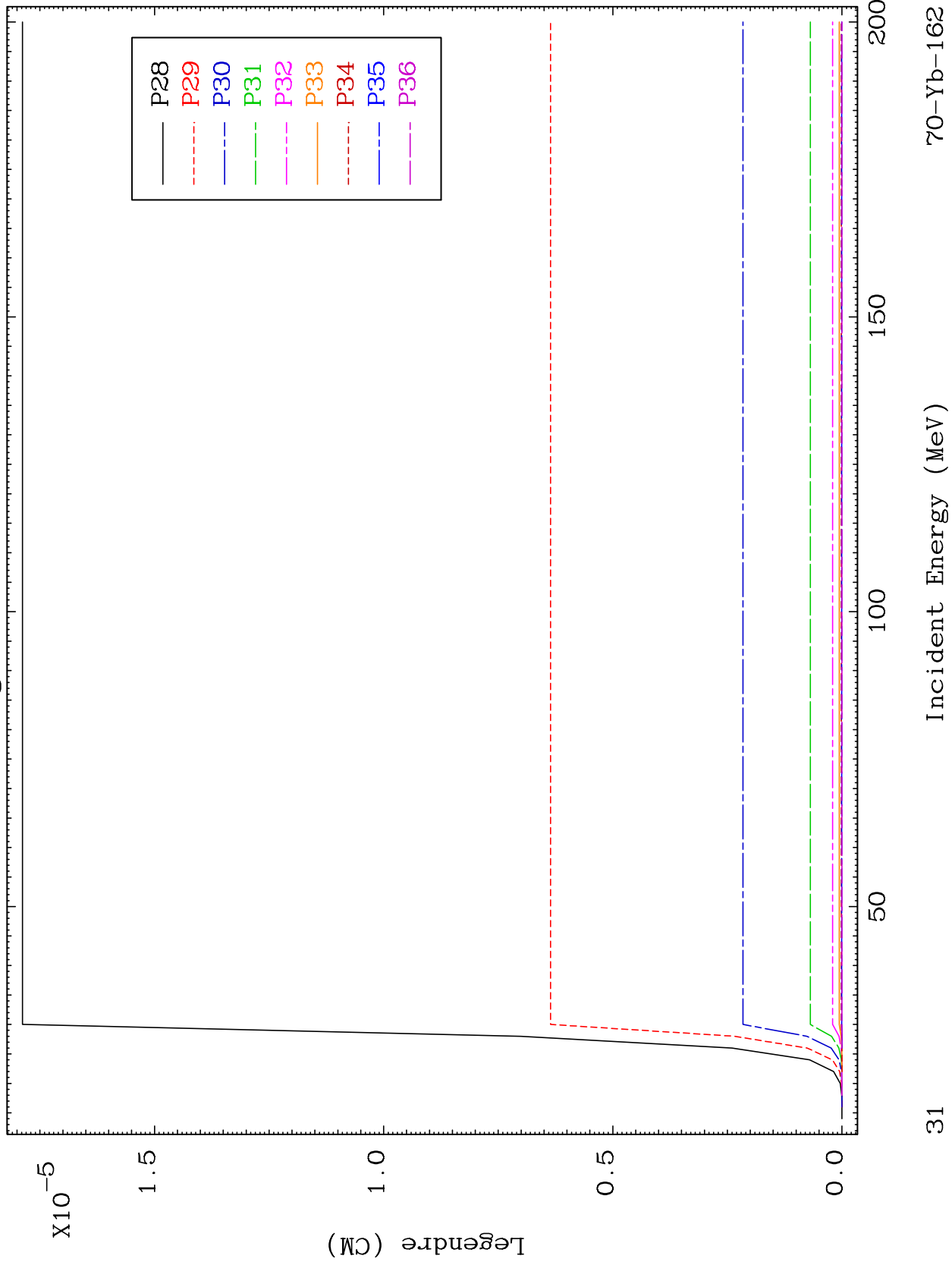
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162

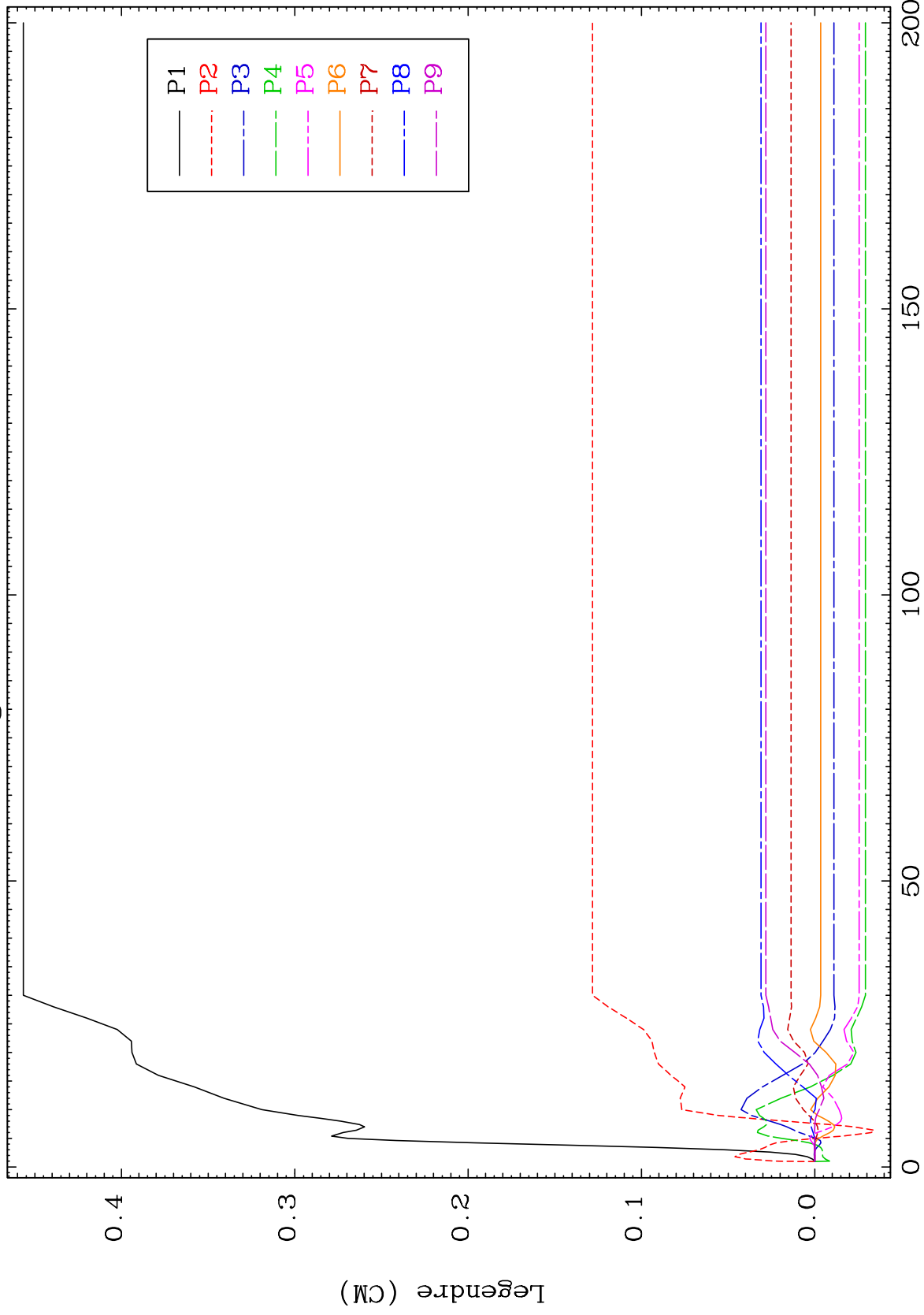




MAT 7007

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

70-Yb-162



70-Yb-162

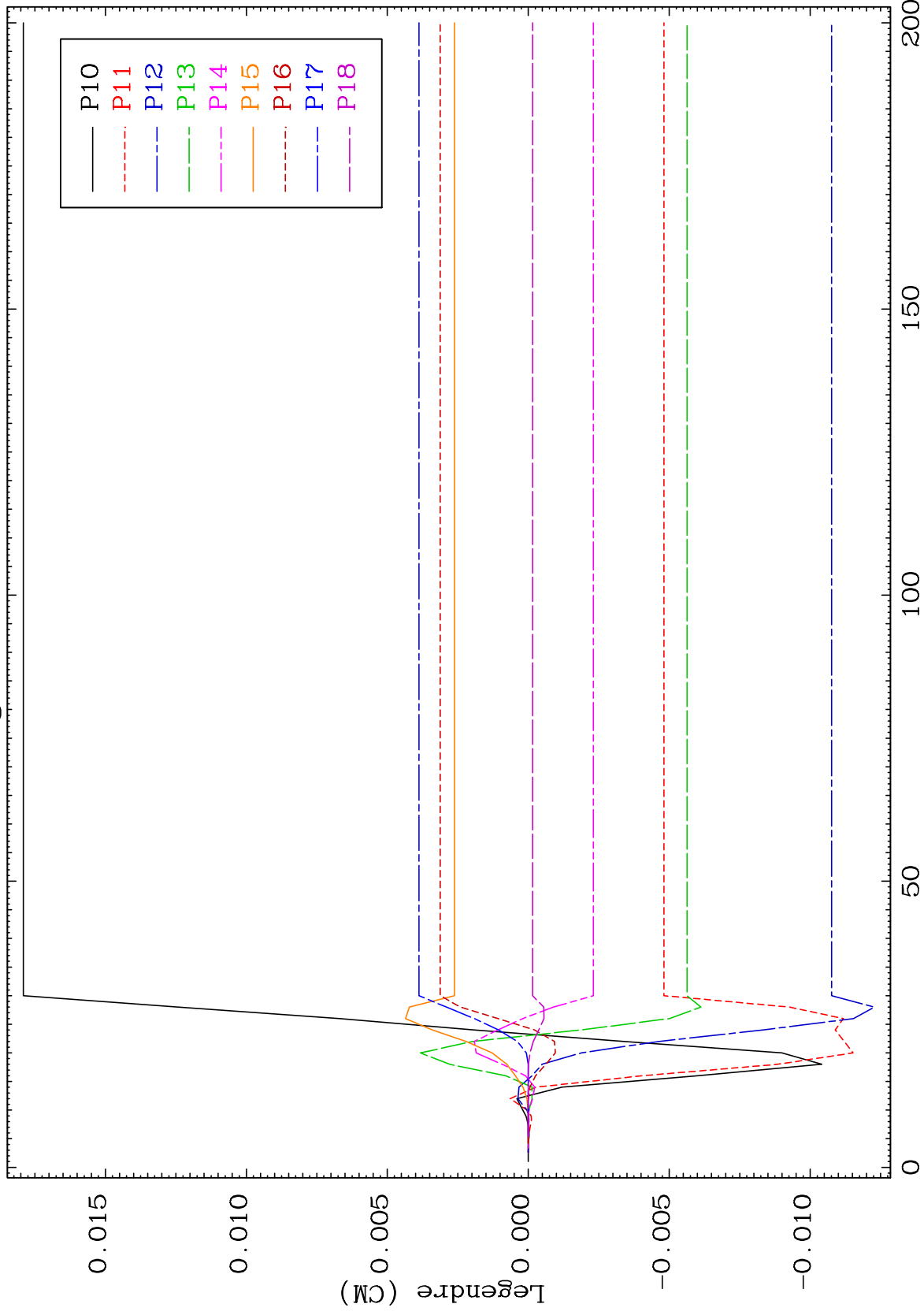
Incident Energy (MeV)

32

MAT 7007

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

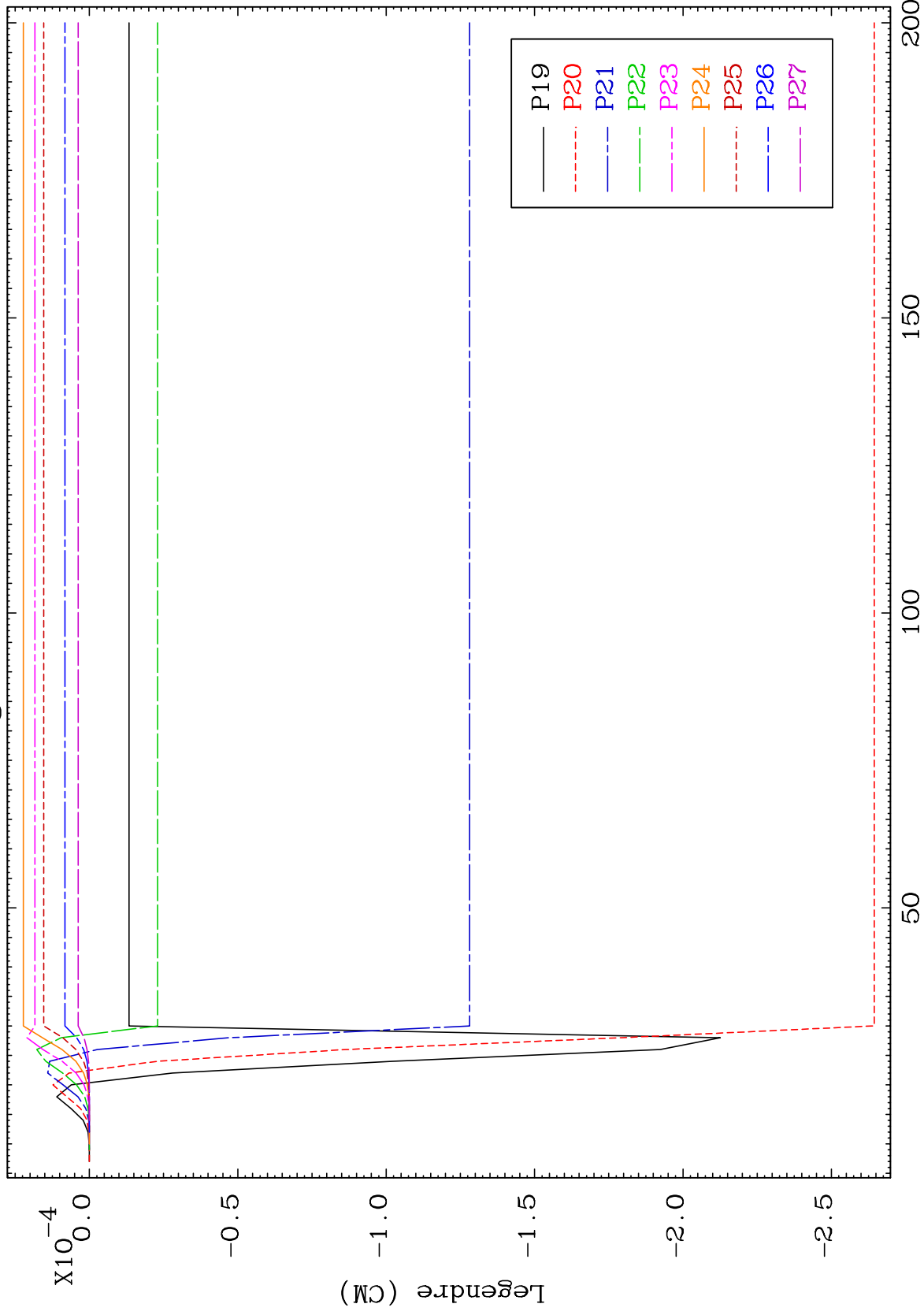
70-Yb-162



MAT 7007

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

70-Yb-162



34

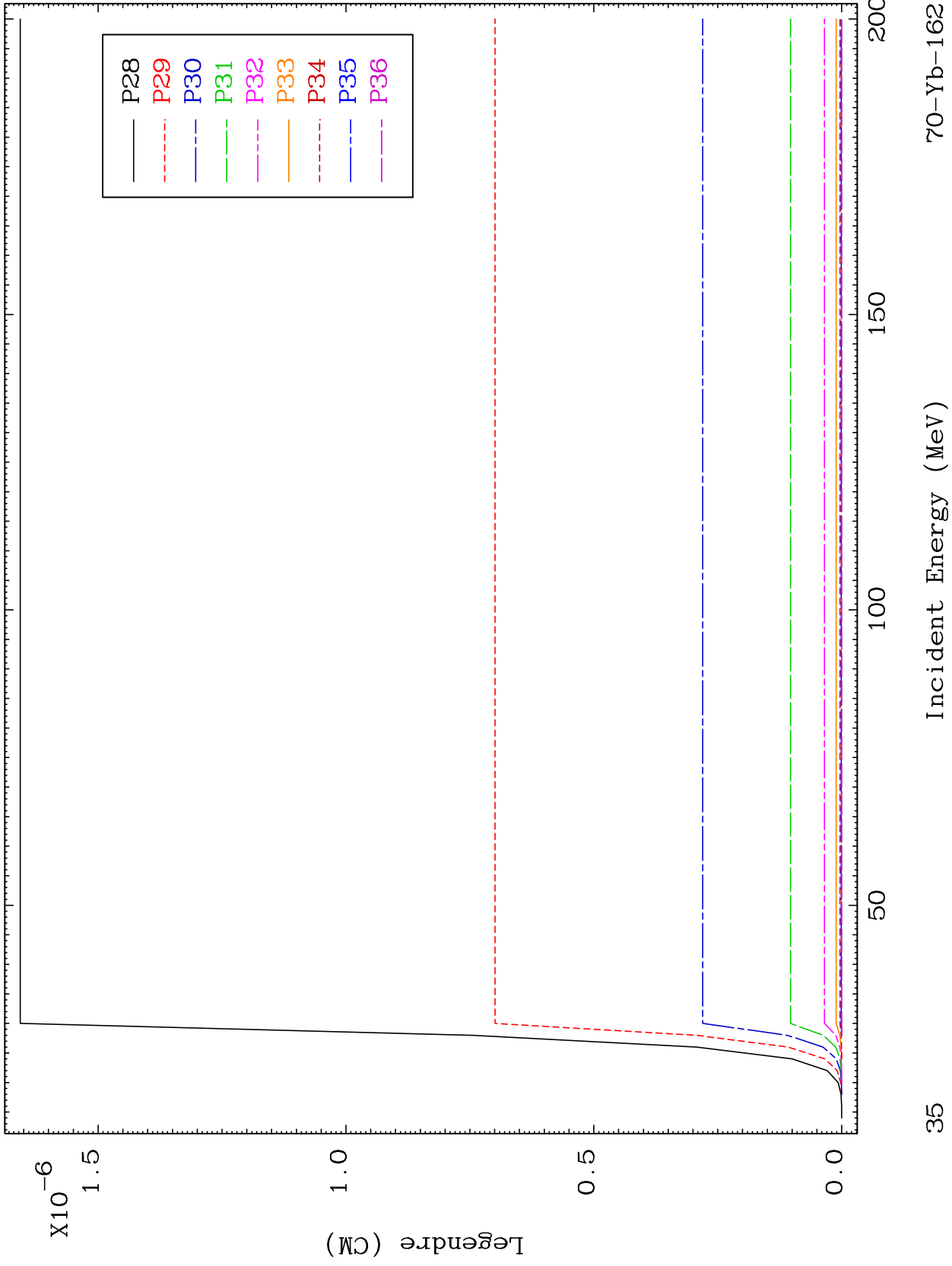
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

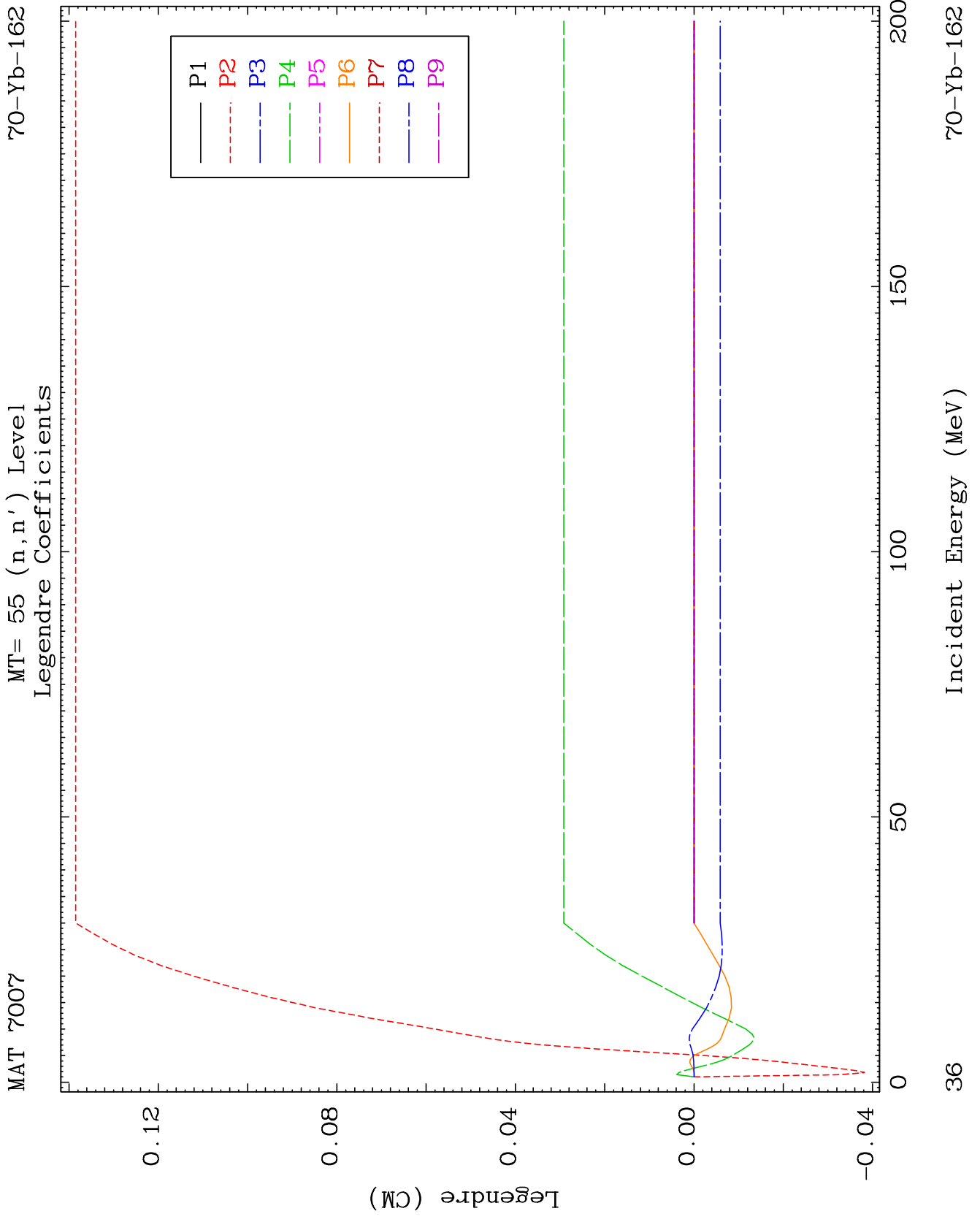
70-Yb-162



35

Incident Energy (MeV)

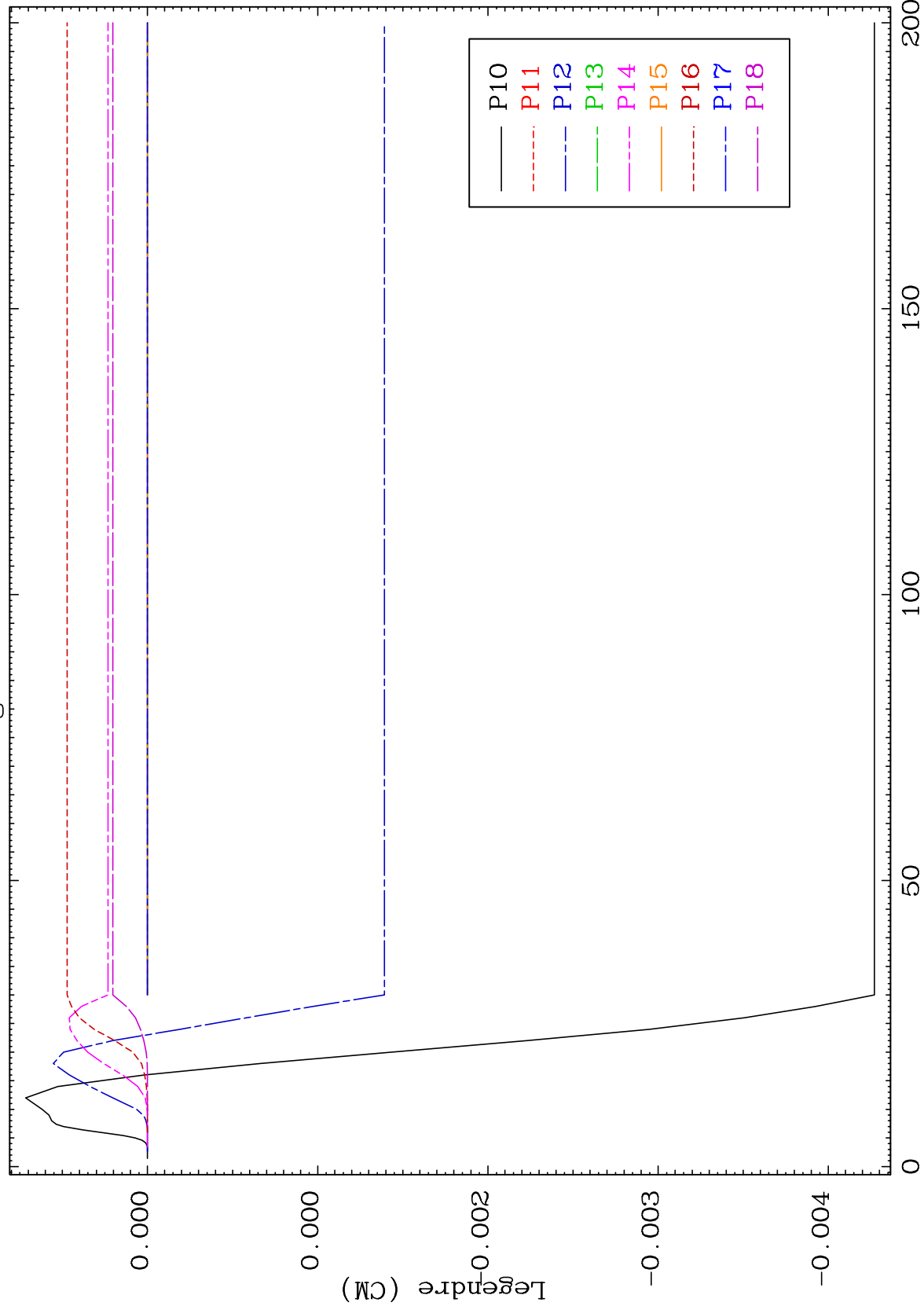
70-Yb-162



MAT 7007

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

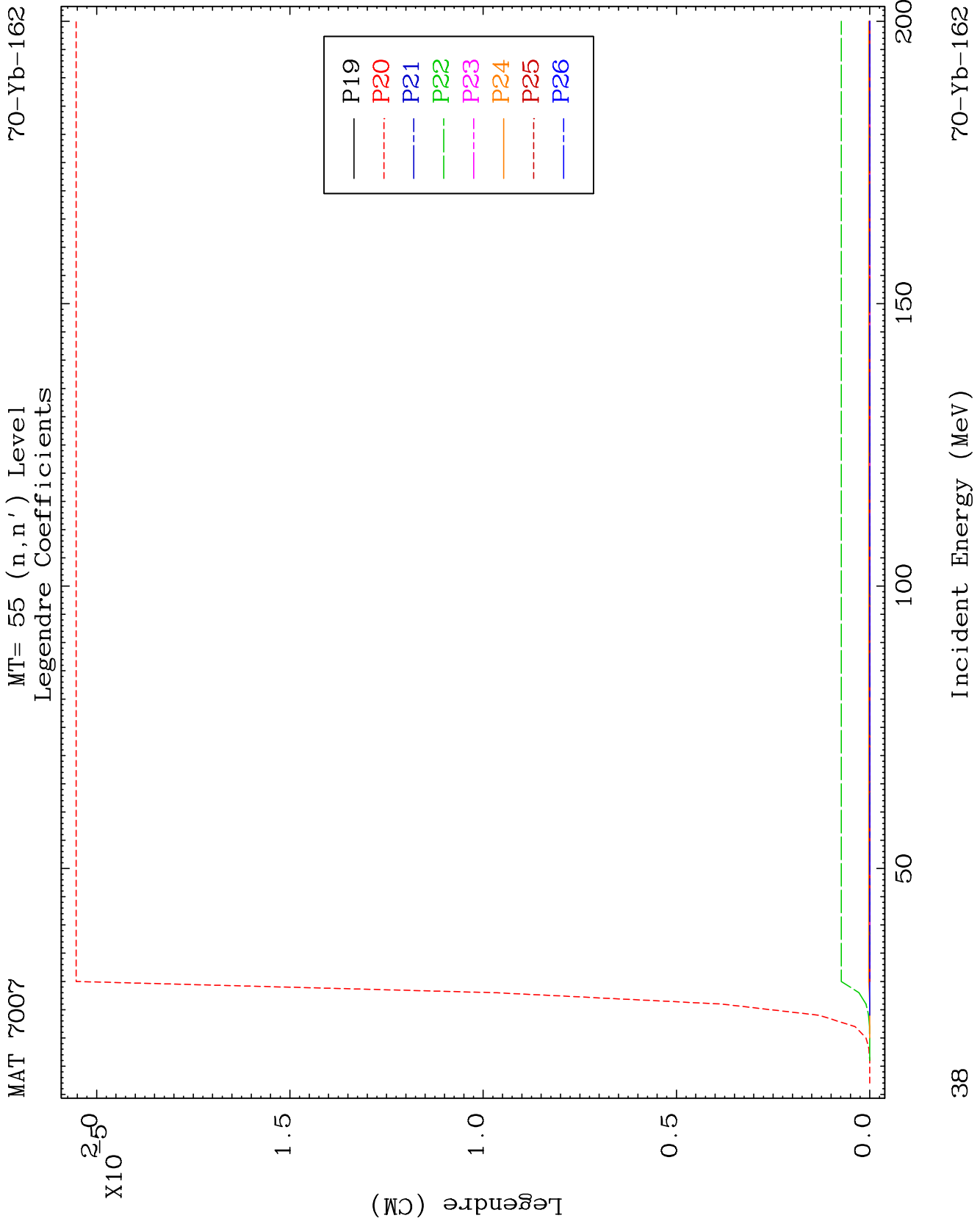
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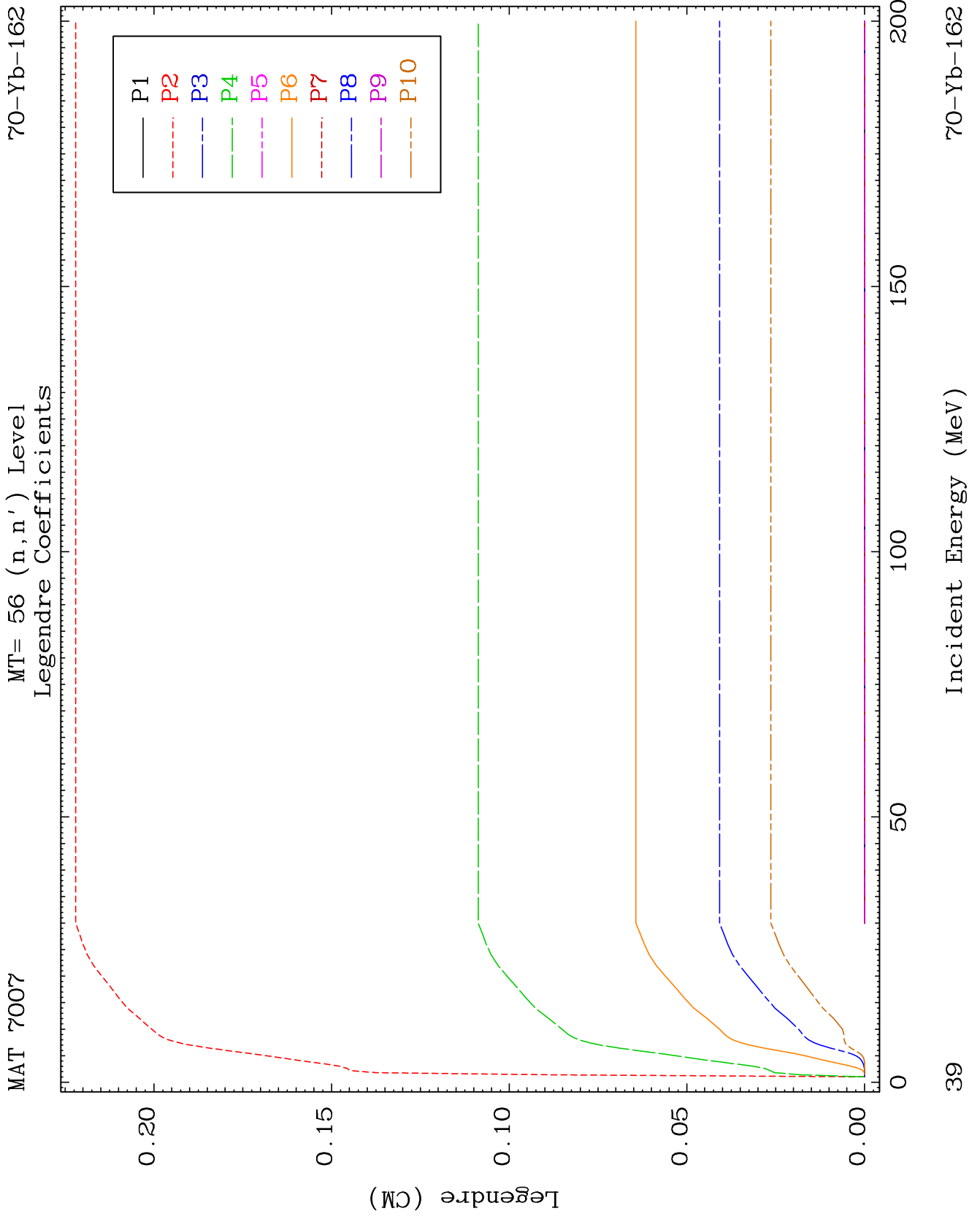


37

Incident Energy (MeV)

70-Yb-162



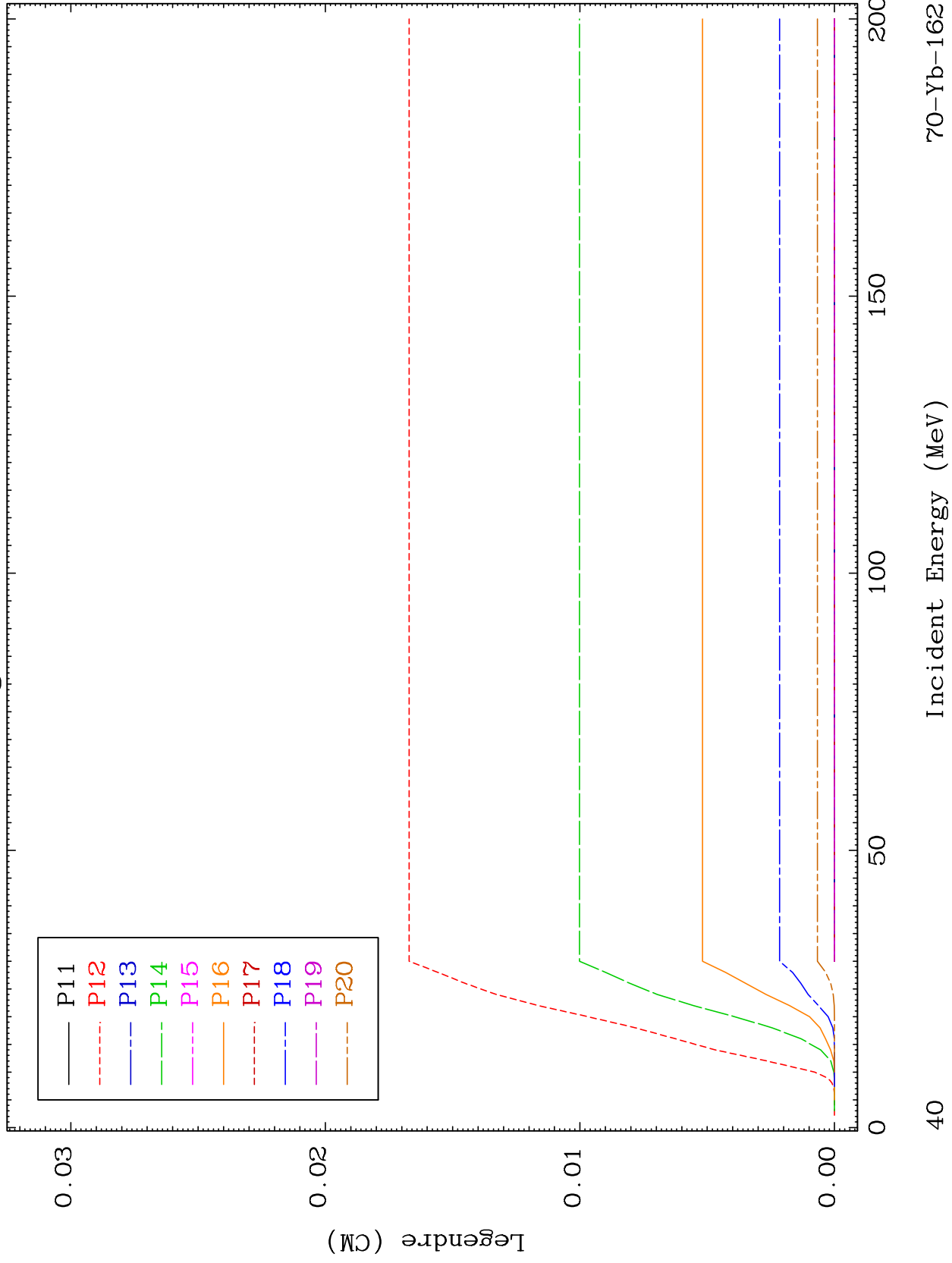


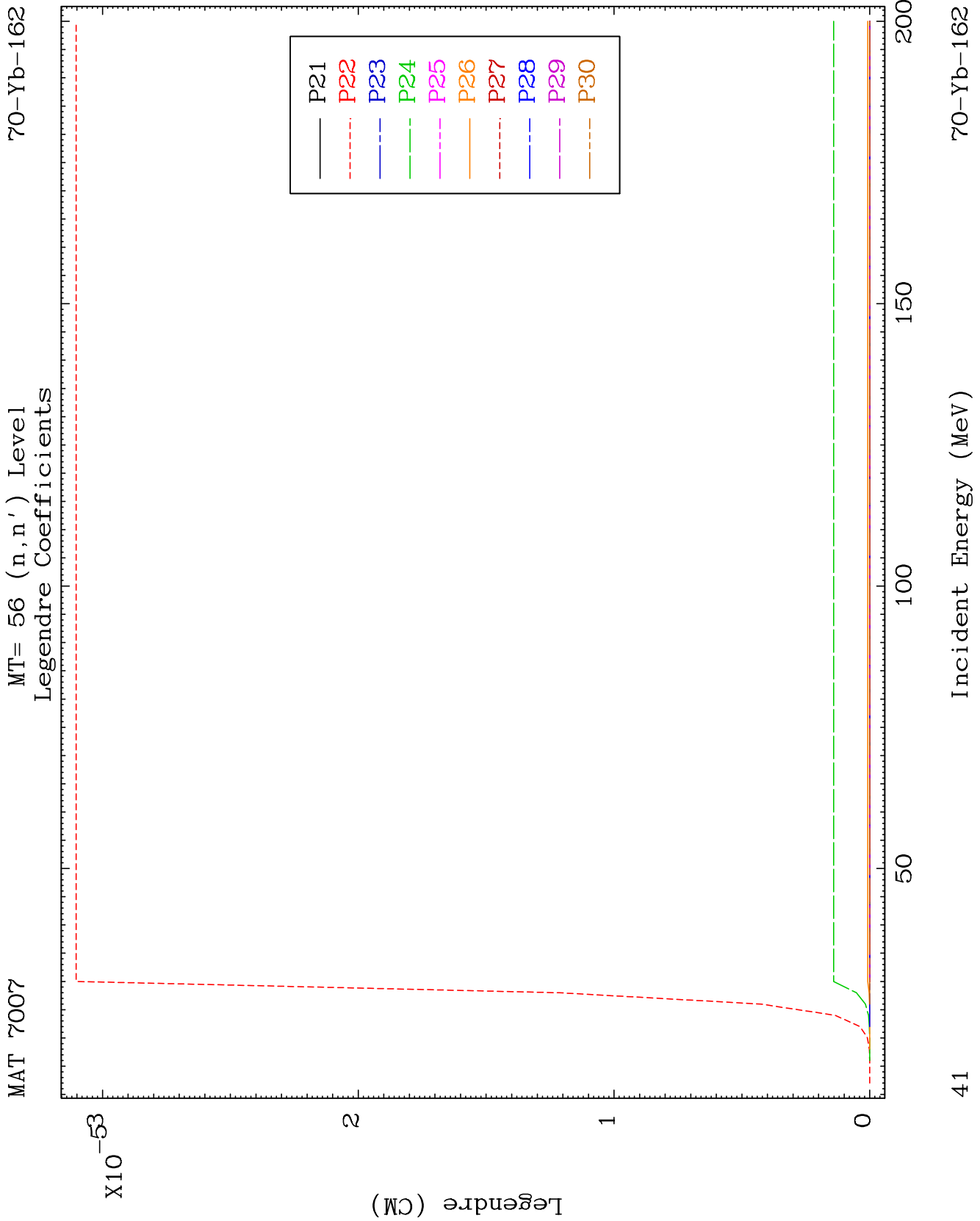


MAT 7007

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

70-Yb-162

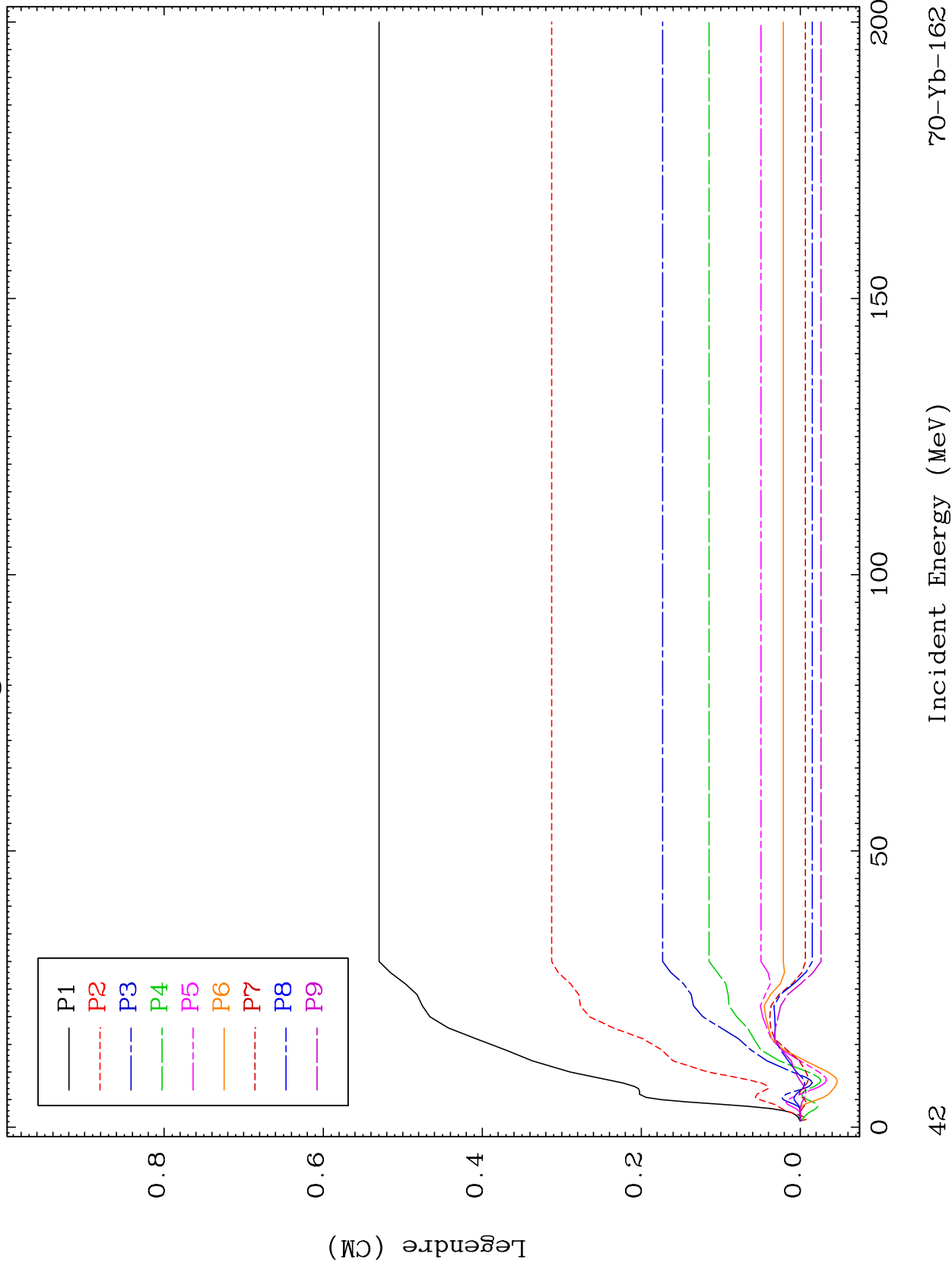




MAT 7007

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

70-Yb-162



70-Yb-162

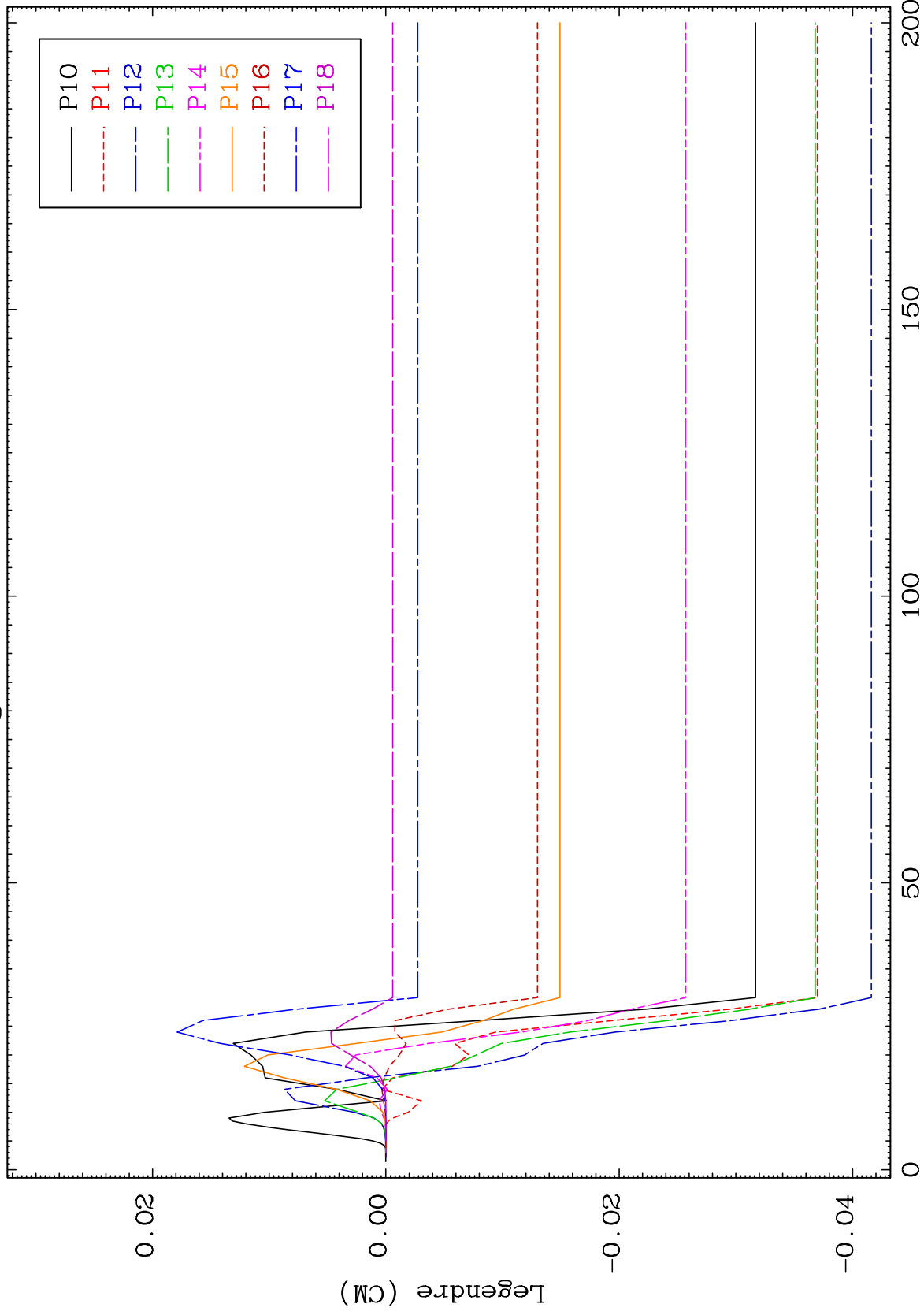
Incident Energy (MeV)

42

MAT 7007

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

70-Yb-162



43

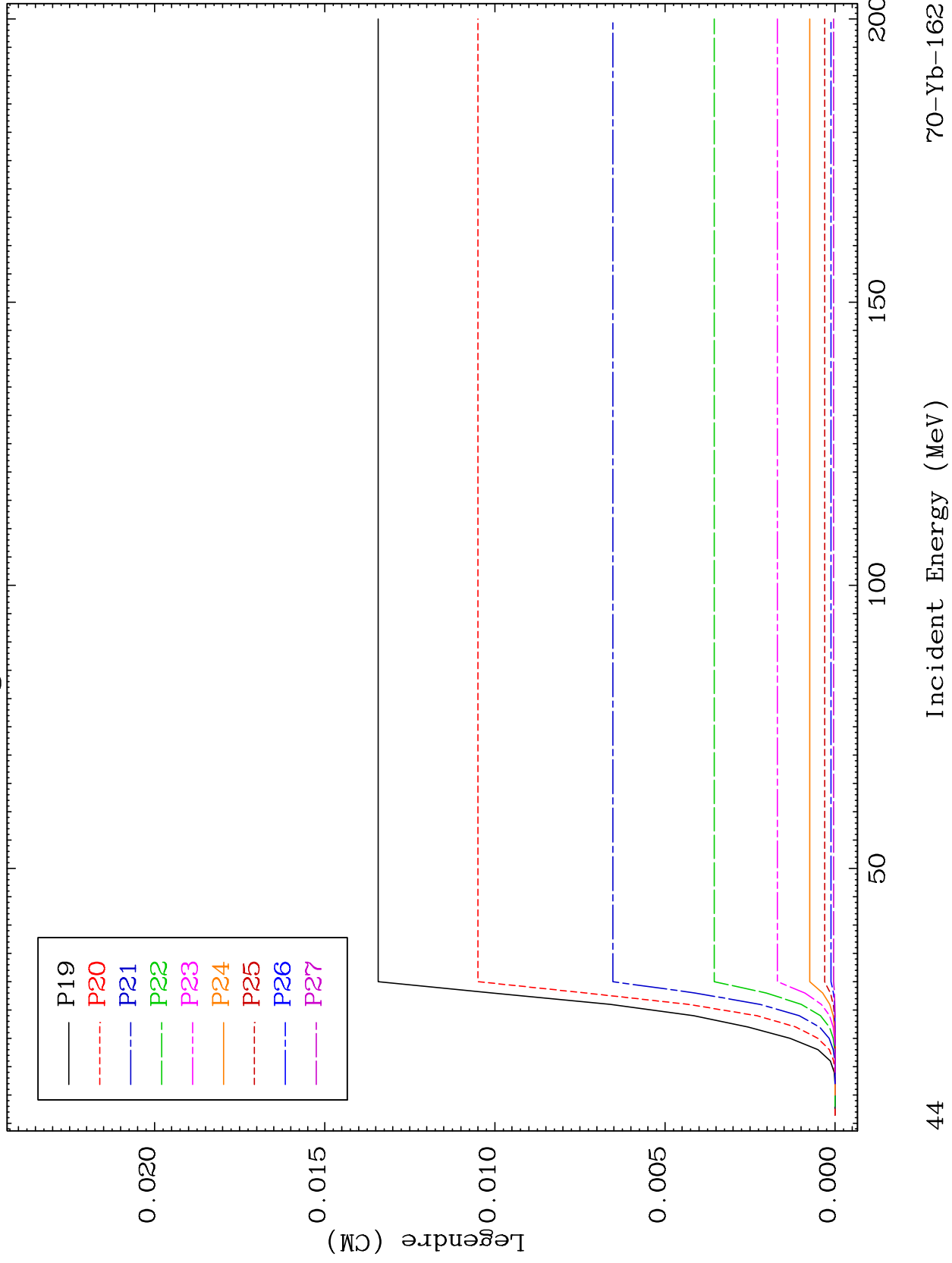
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

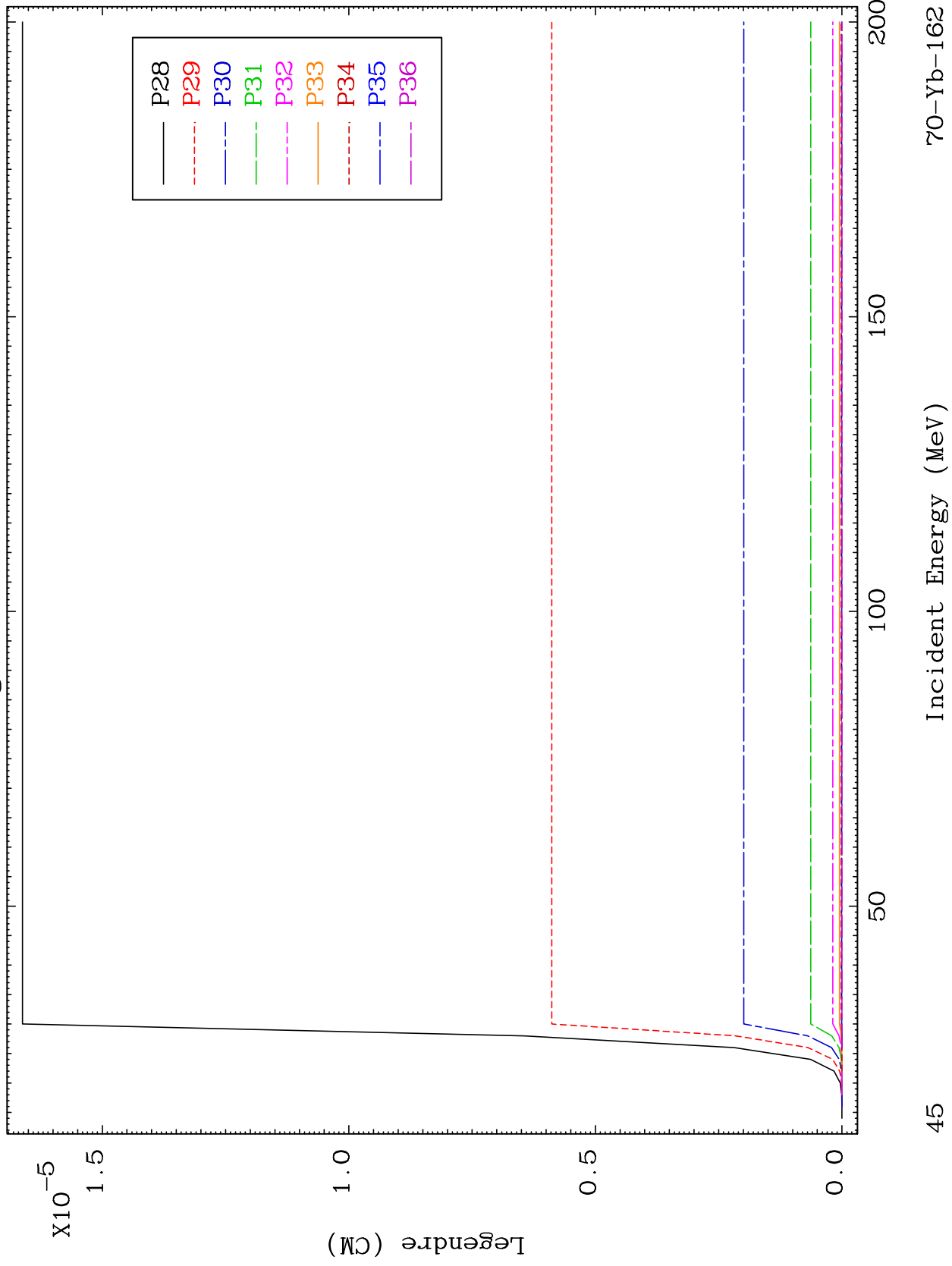
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MAT 7007

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

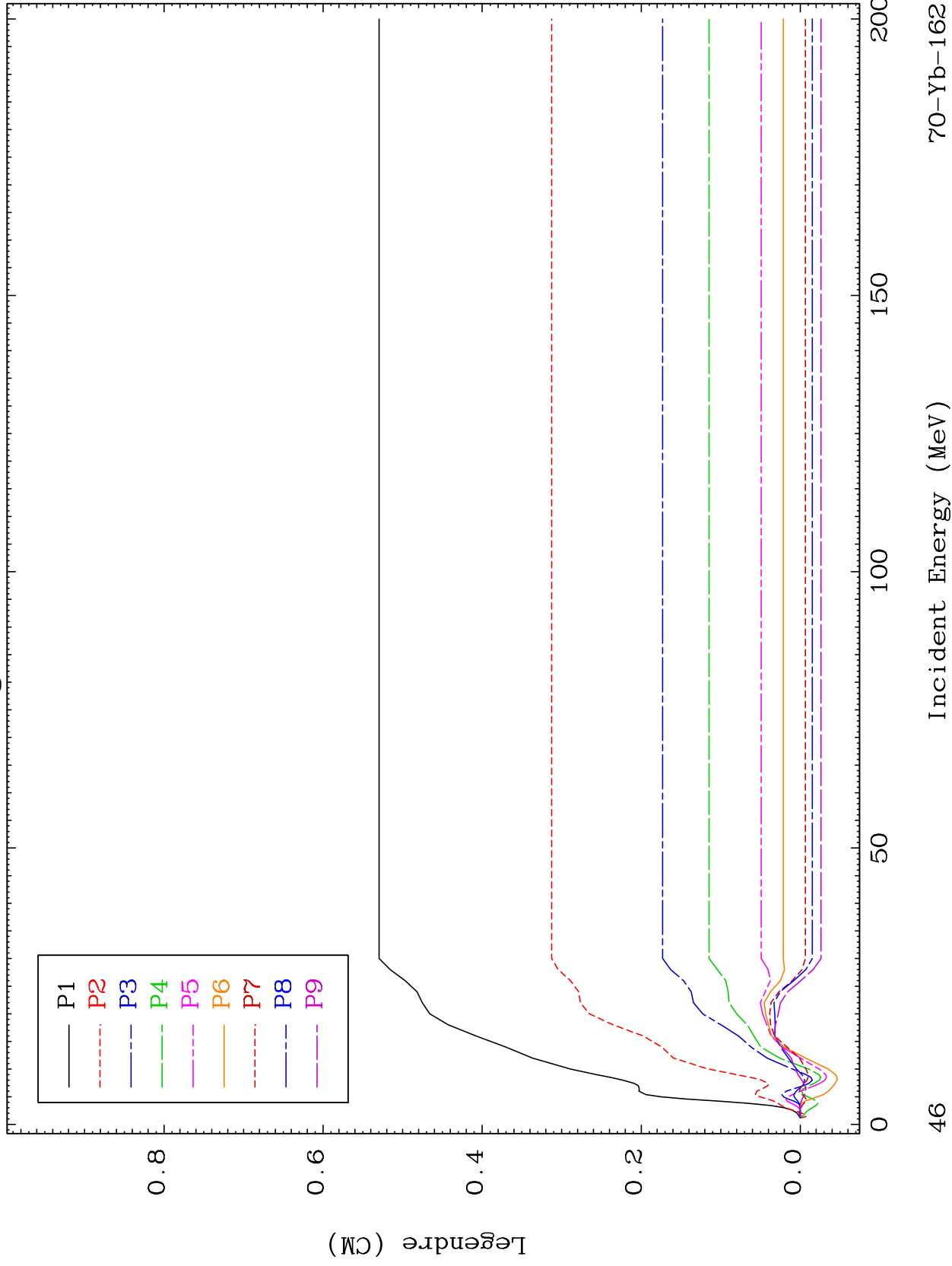
70-Yb-162



MAT 7007

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

70-Yb-162



46

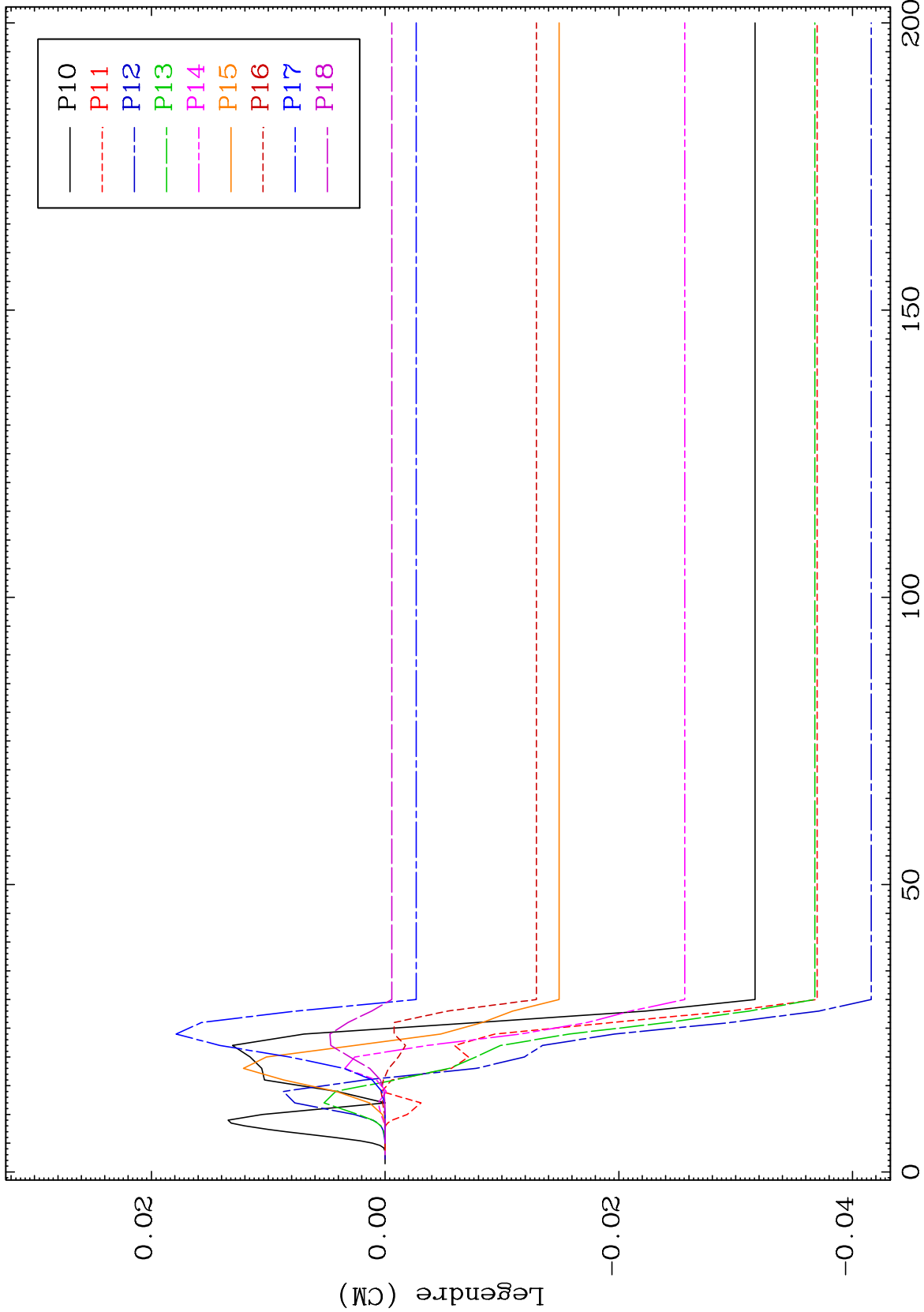
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162



47

Incident Energy (MeV)

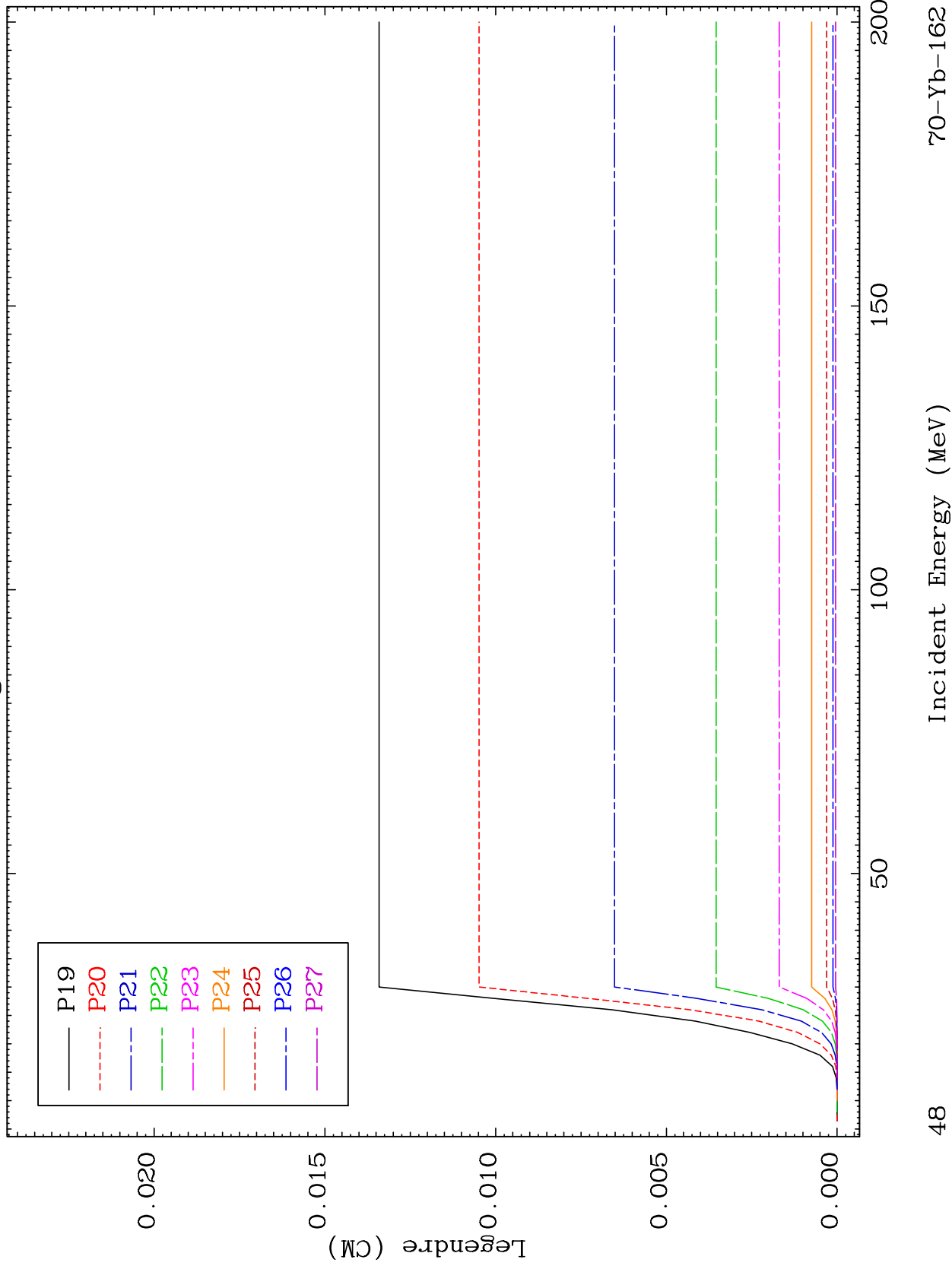
70-Yb-162



MAT 7007

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

70-Yb-162



48

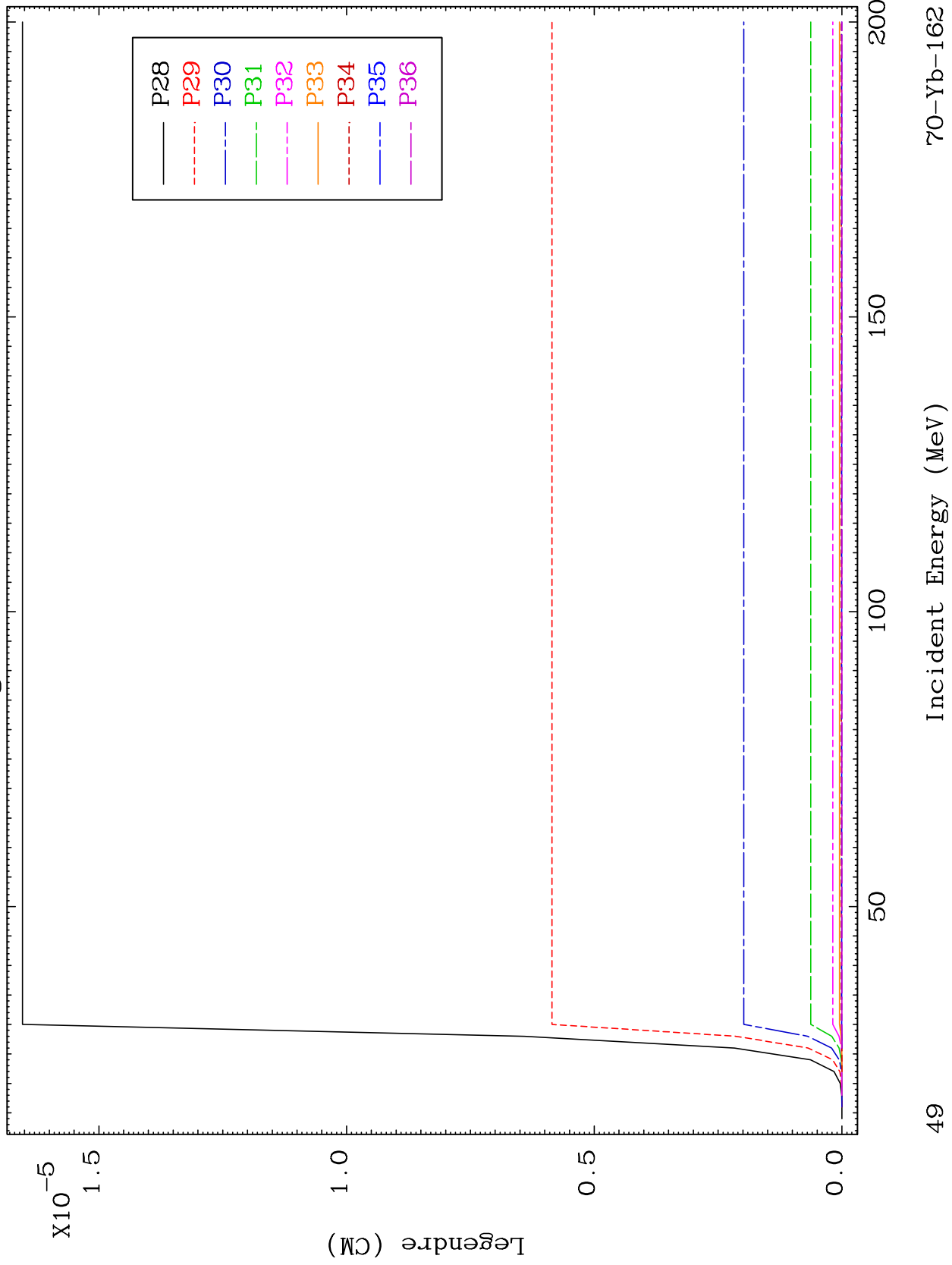
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

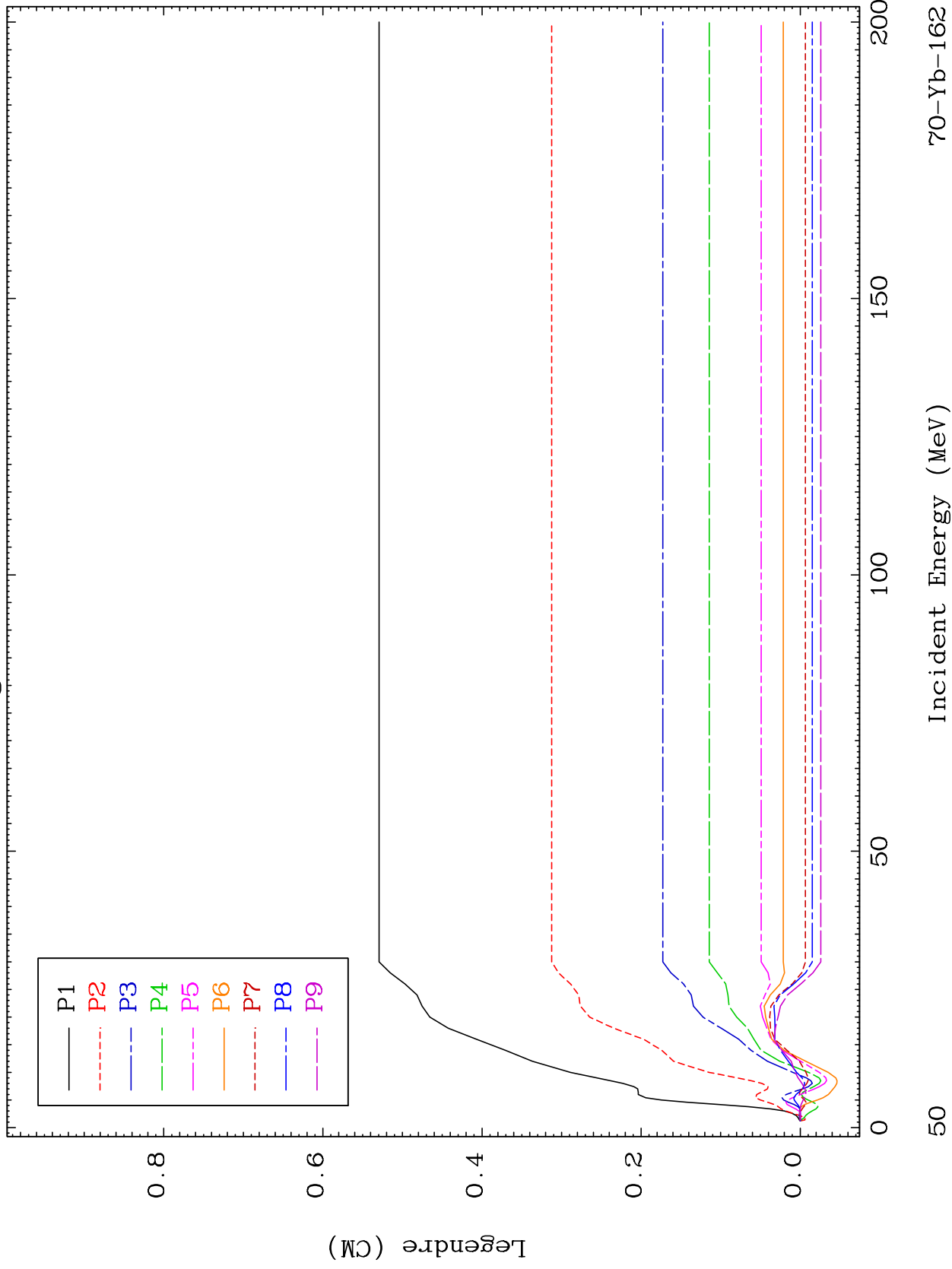
70-Yb-162



MAT 7007

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

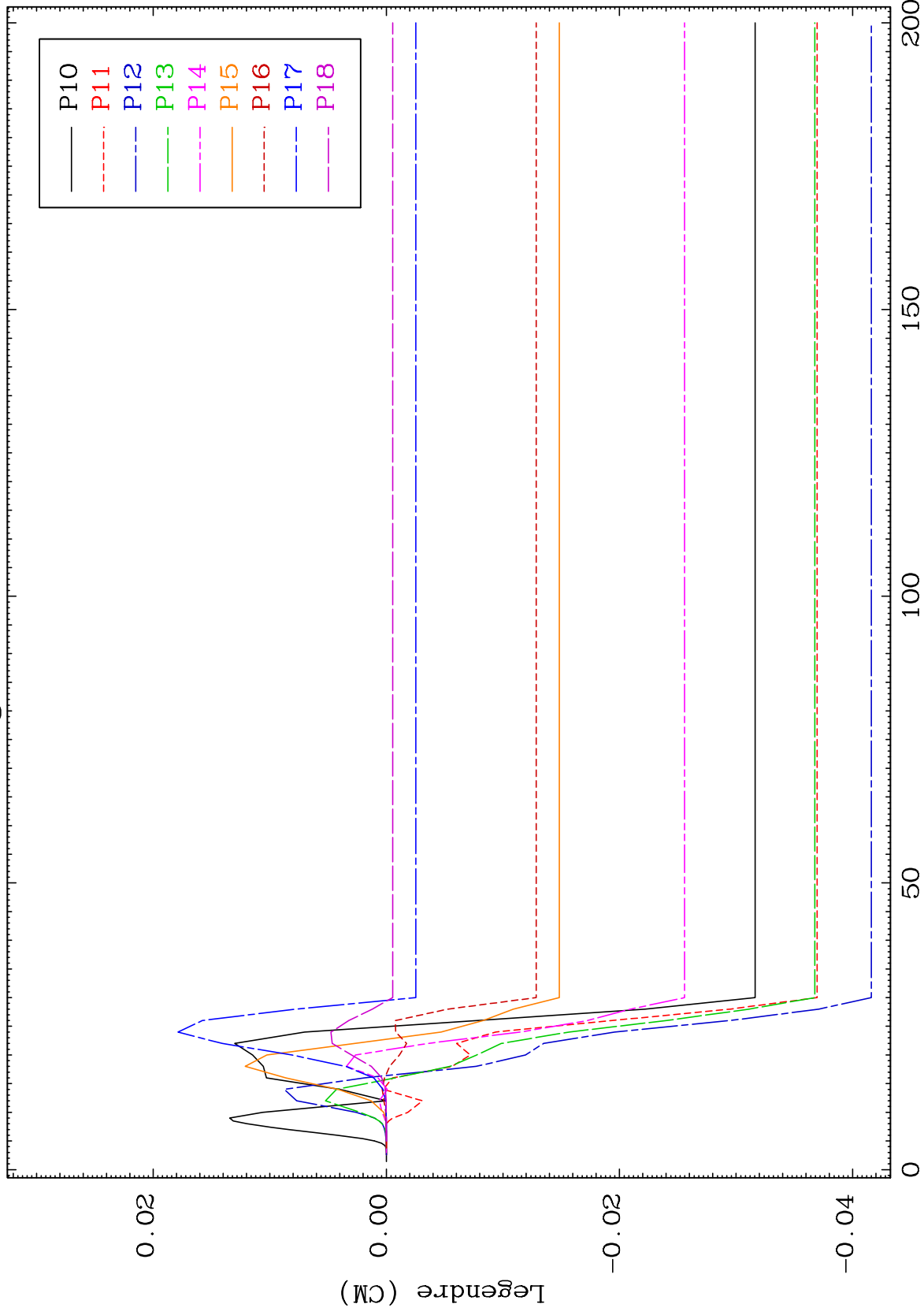
70-Yb-162



MAT 7007

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

70-Yb-162



51

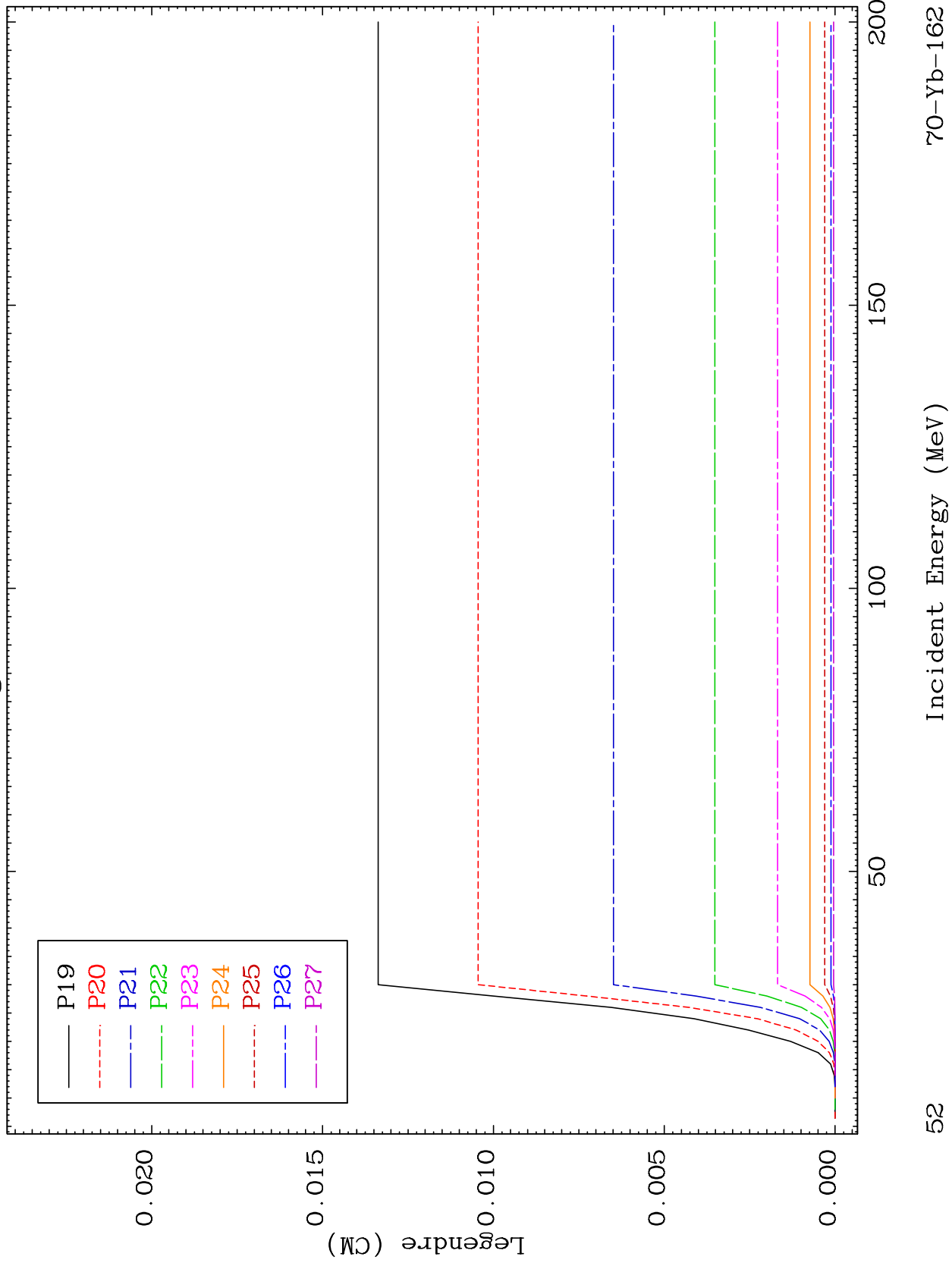
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162



52

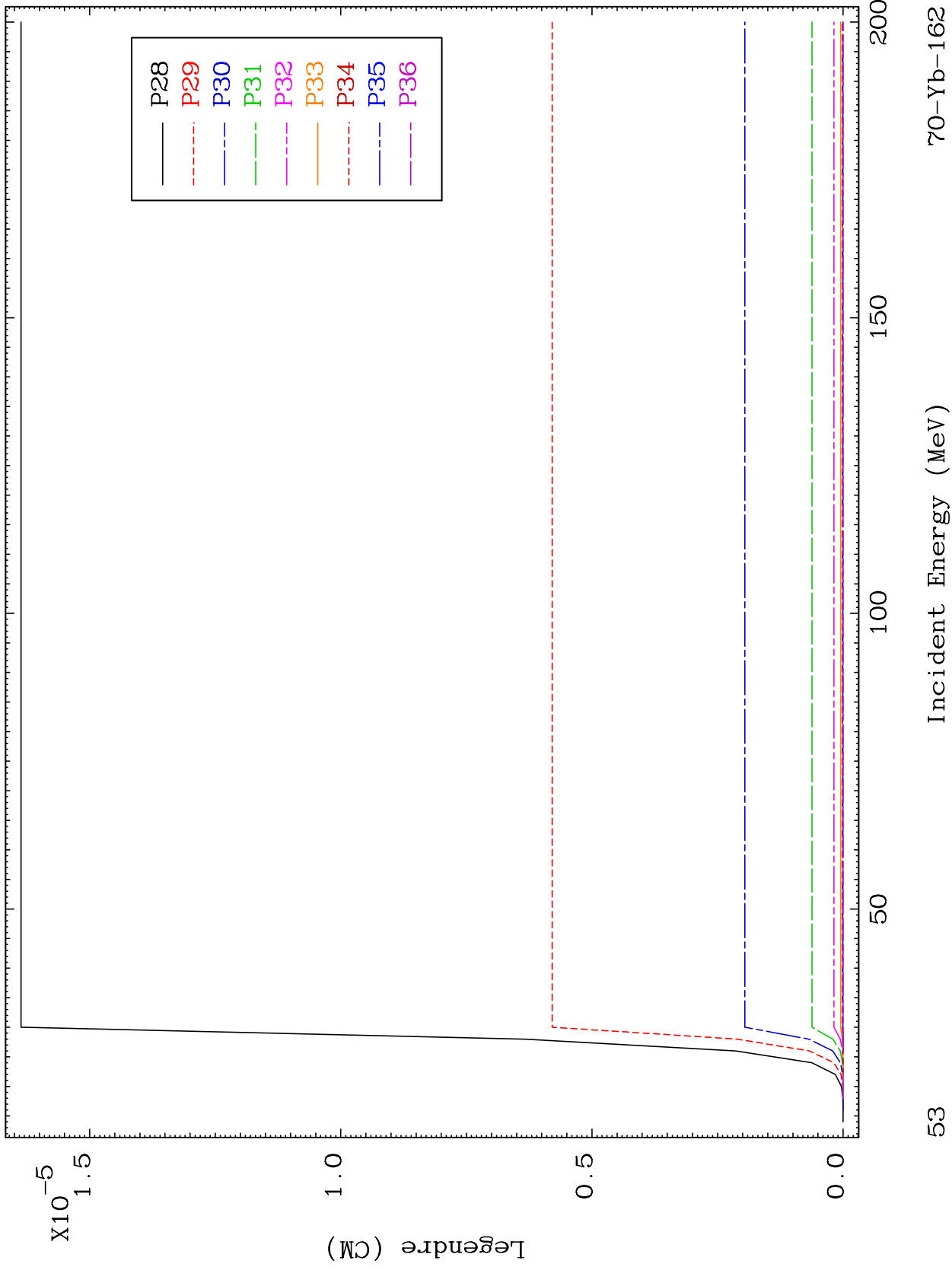
Incident Energy (MeV)

70-Yb-162

MAT 7007

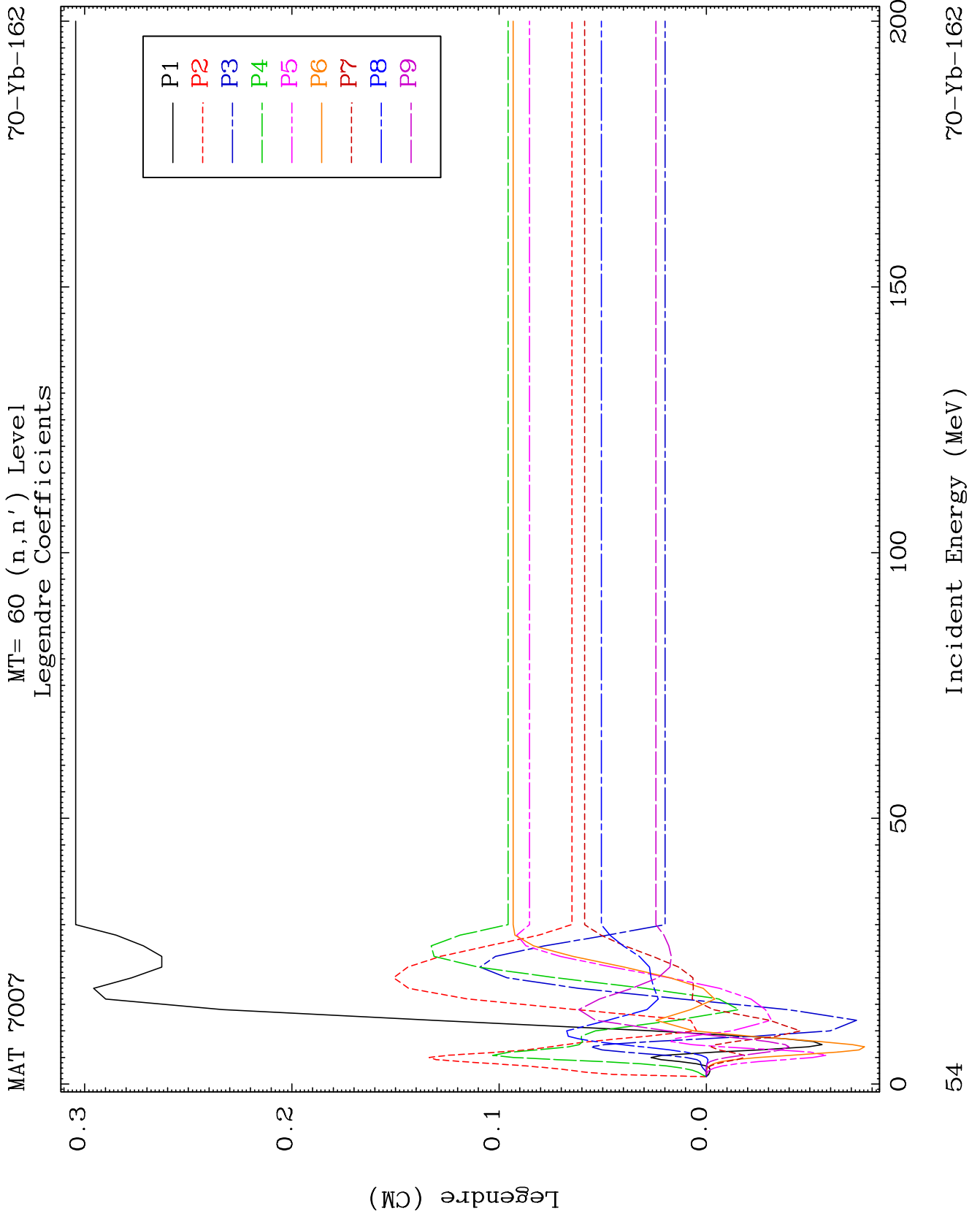
MT= 59 (n,n') Level  
Legendre Coefficients

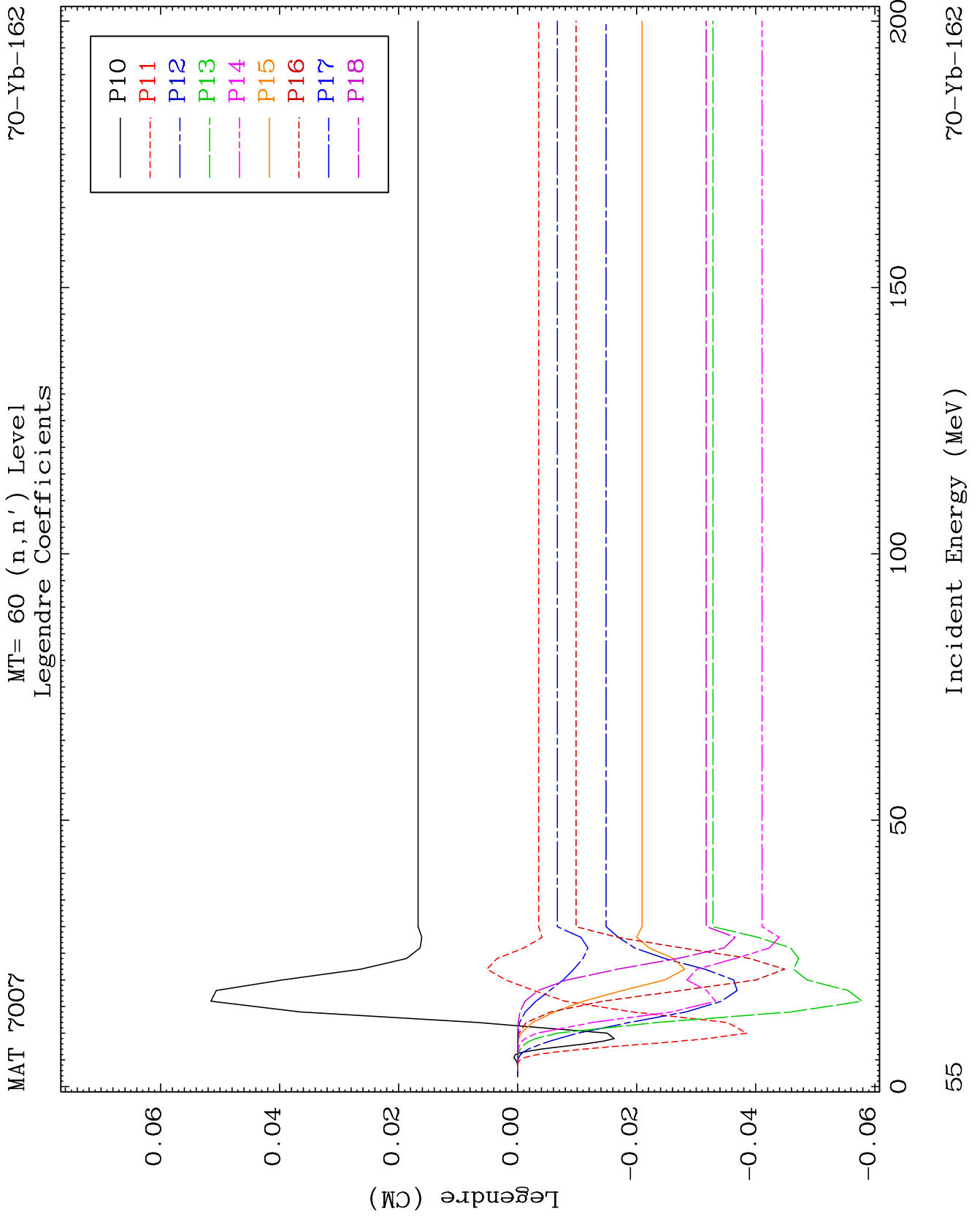
70-Yb-162



53

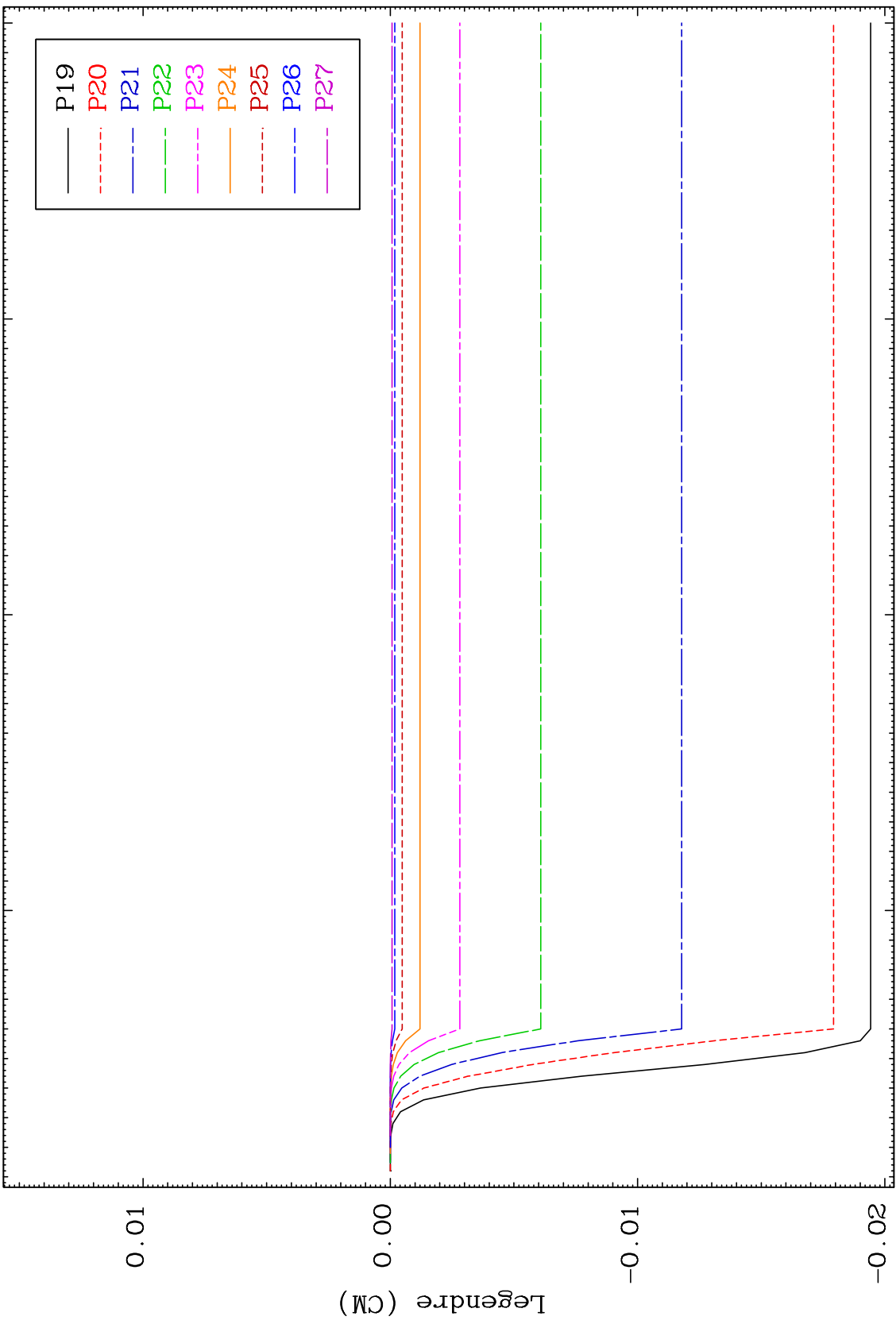
70-Yb-162

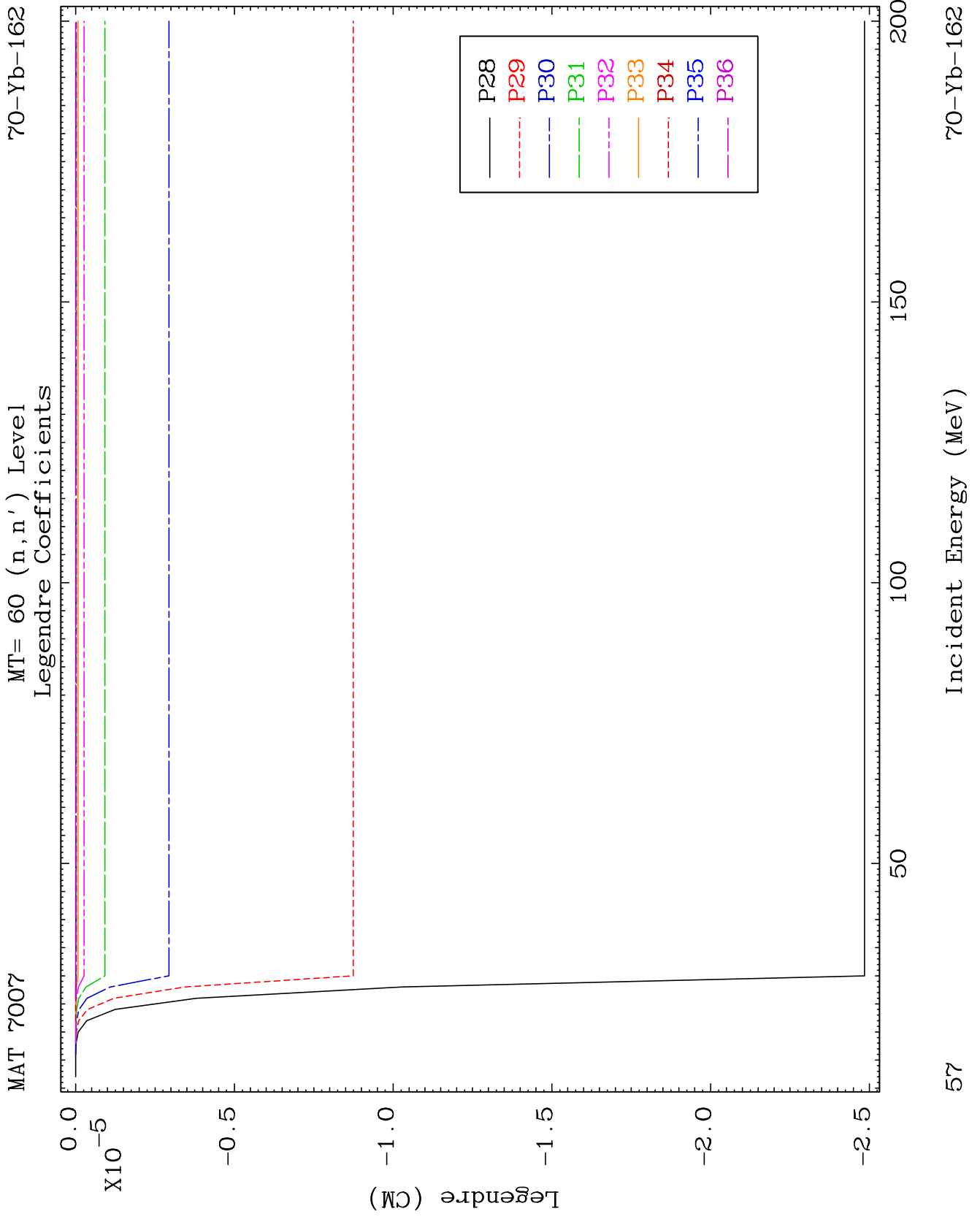


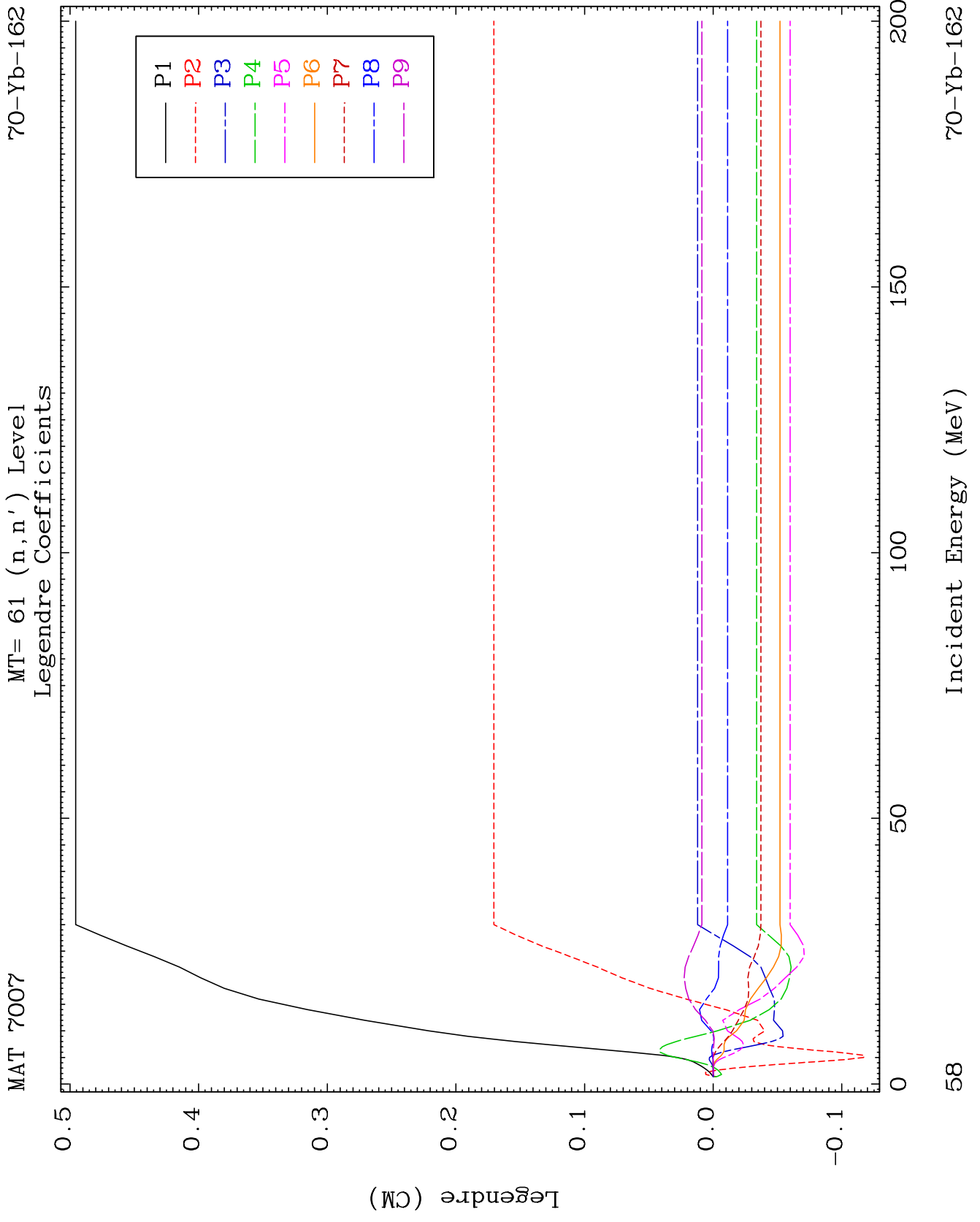




MAT 7007 MT= 60 (n,n') Level Legendre Coefficients 70-Yb-162



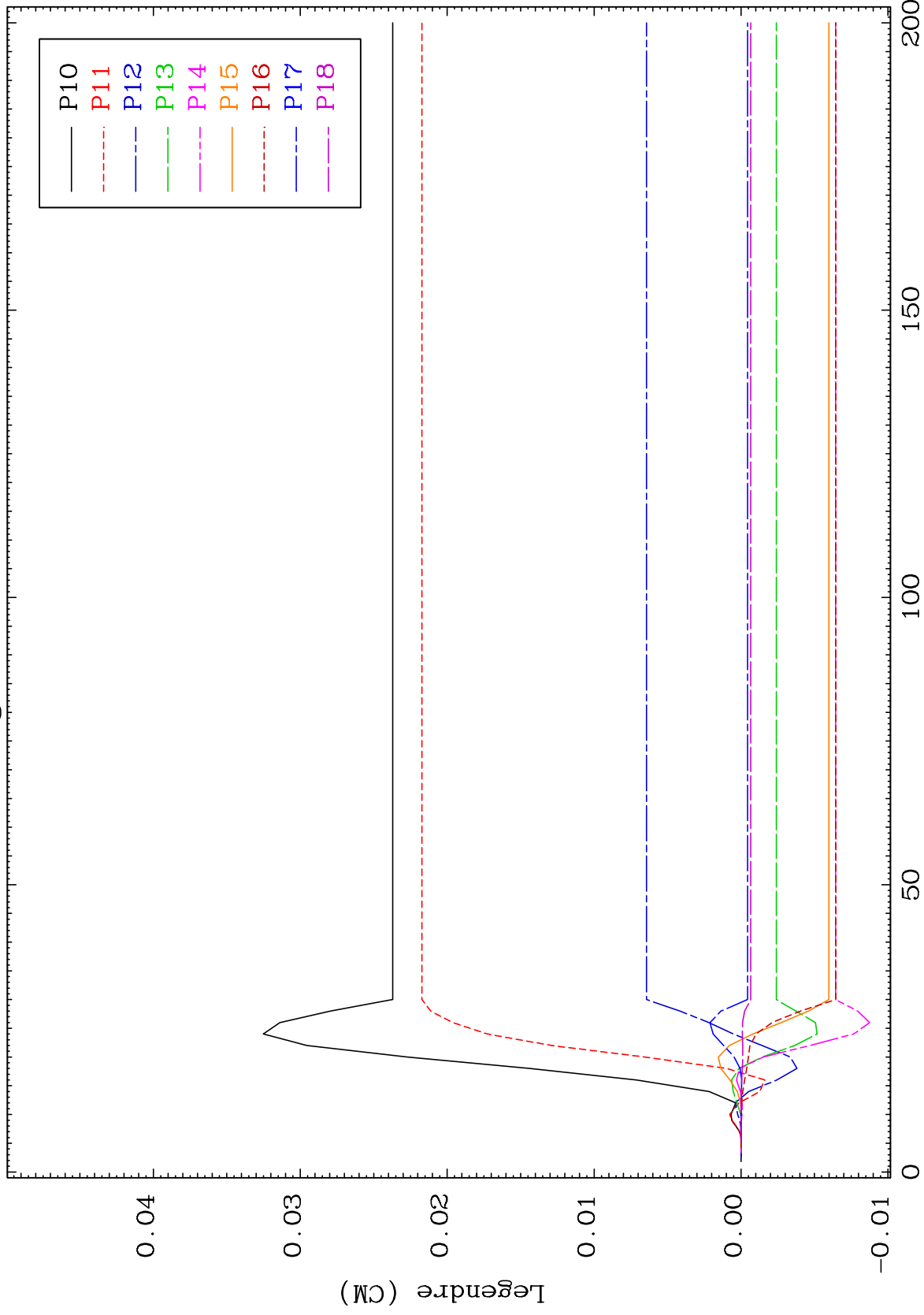




MAT 7007

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

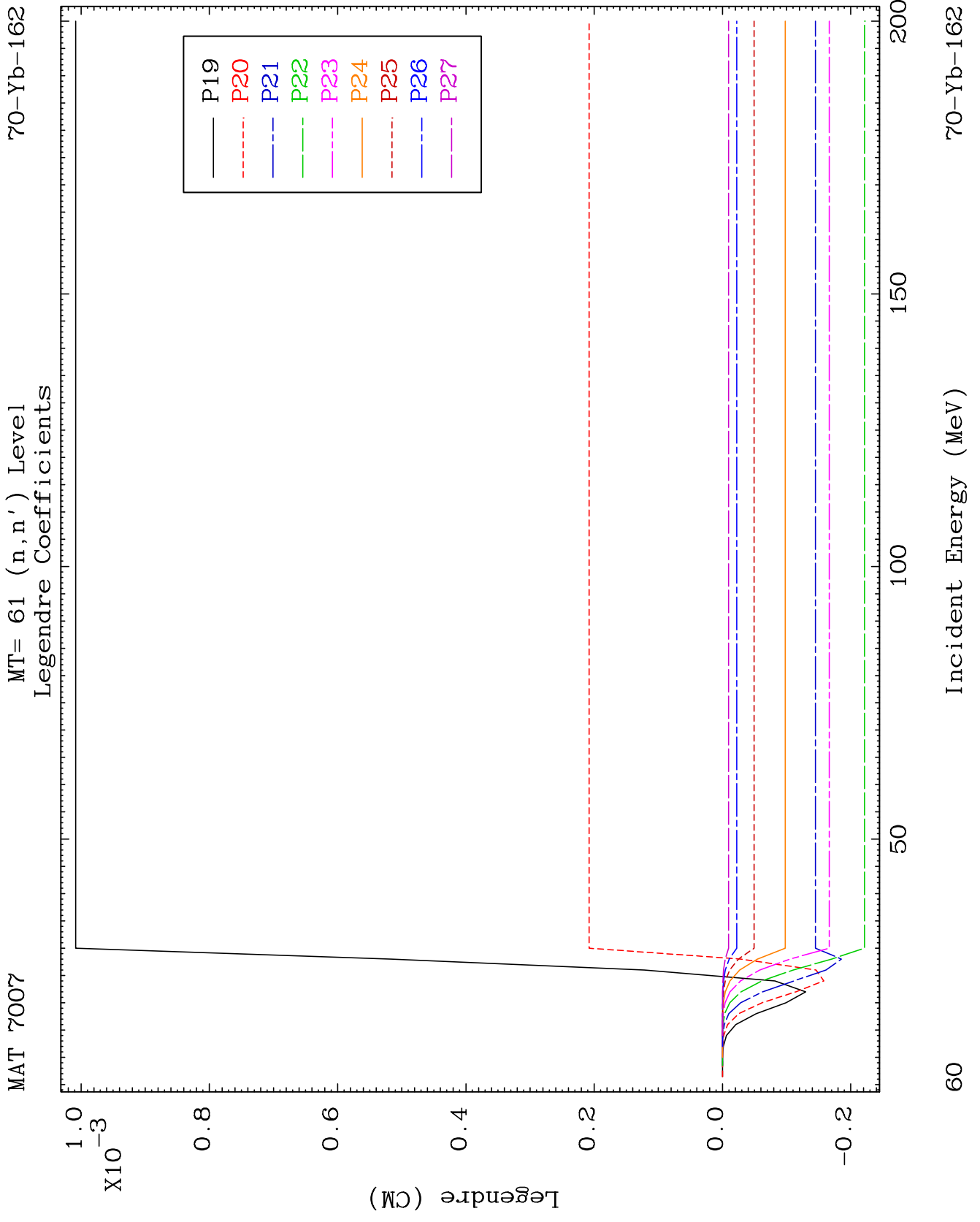
70-Yb-162

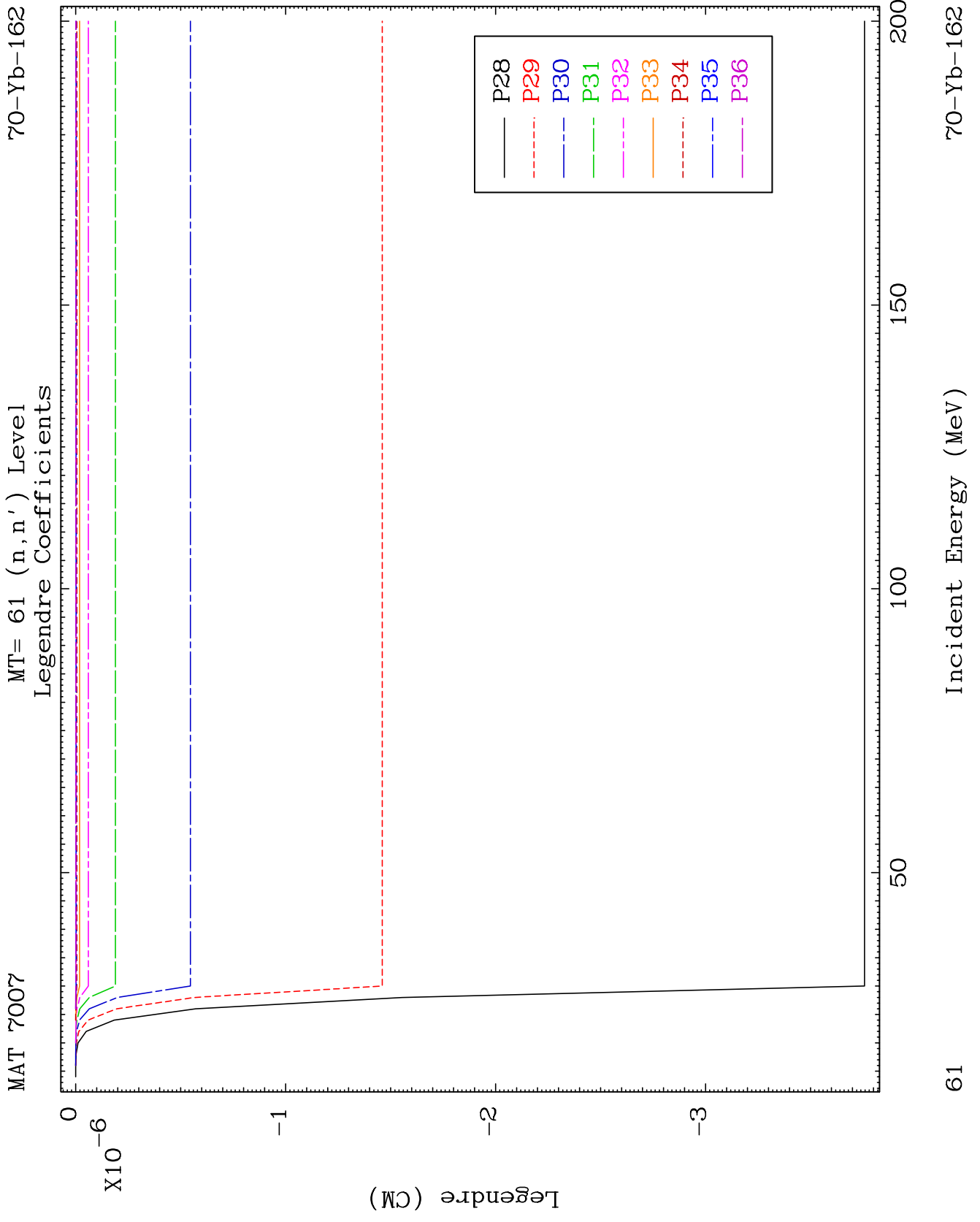


59

Incident Energy (MeV)

70-Yb-162

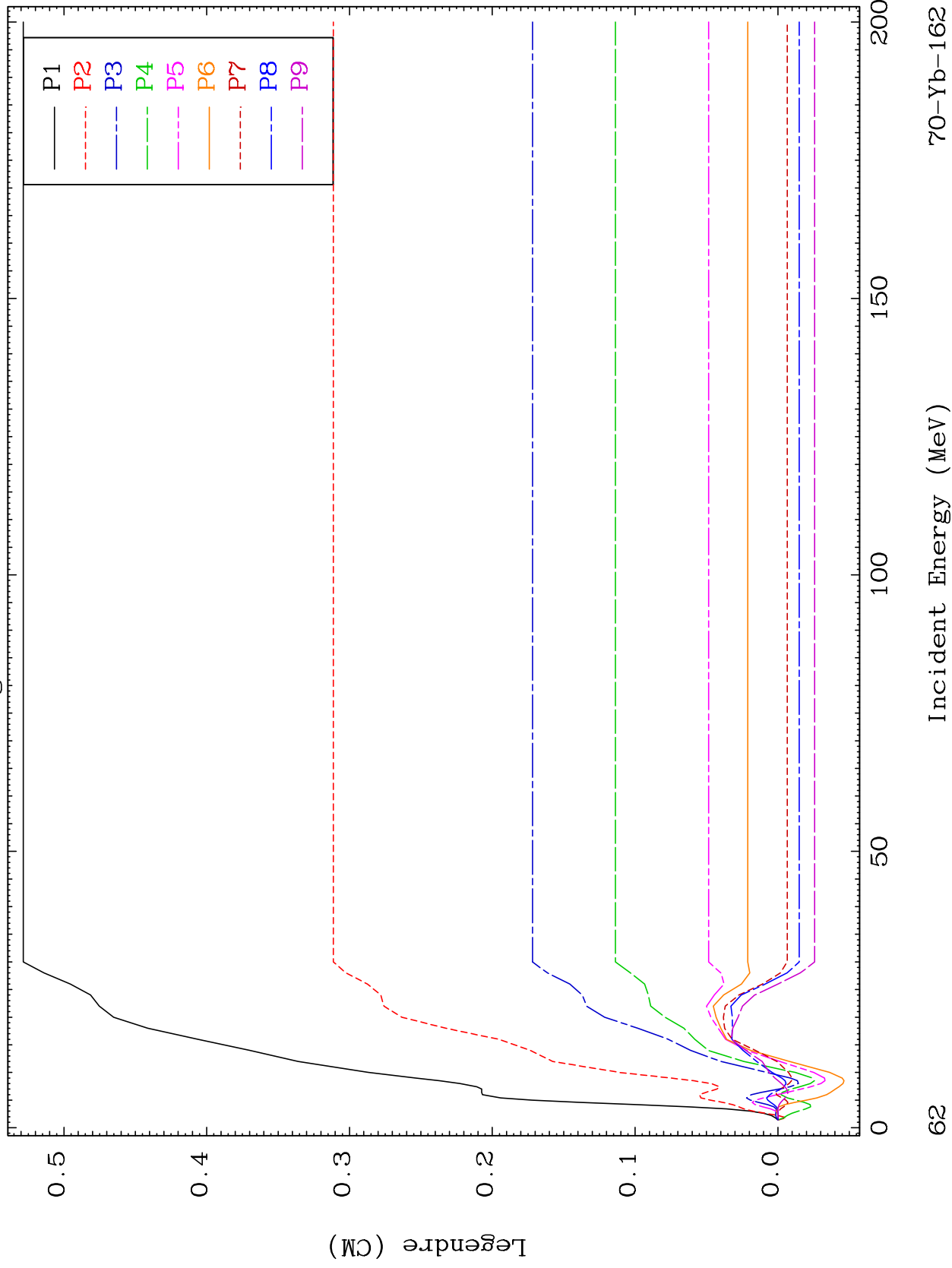




MAT 7007

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

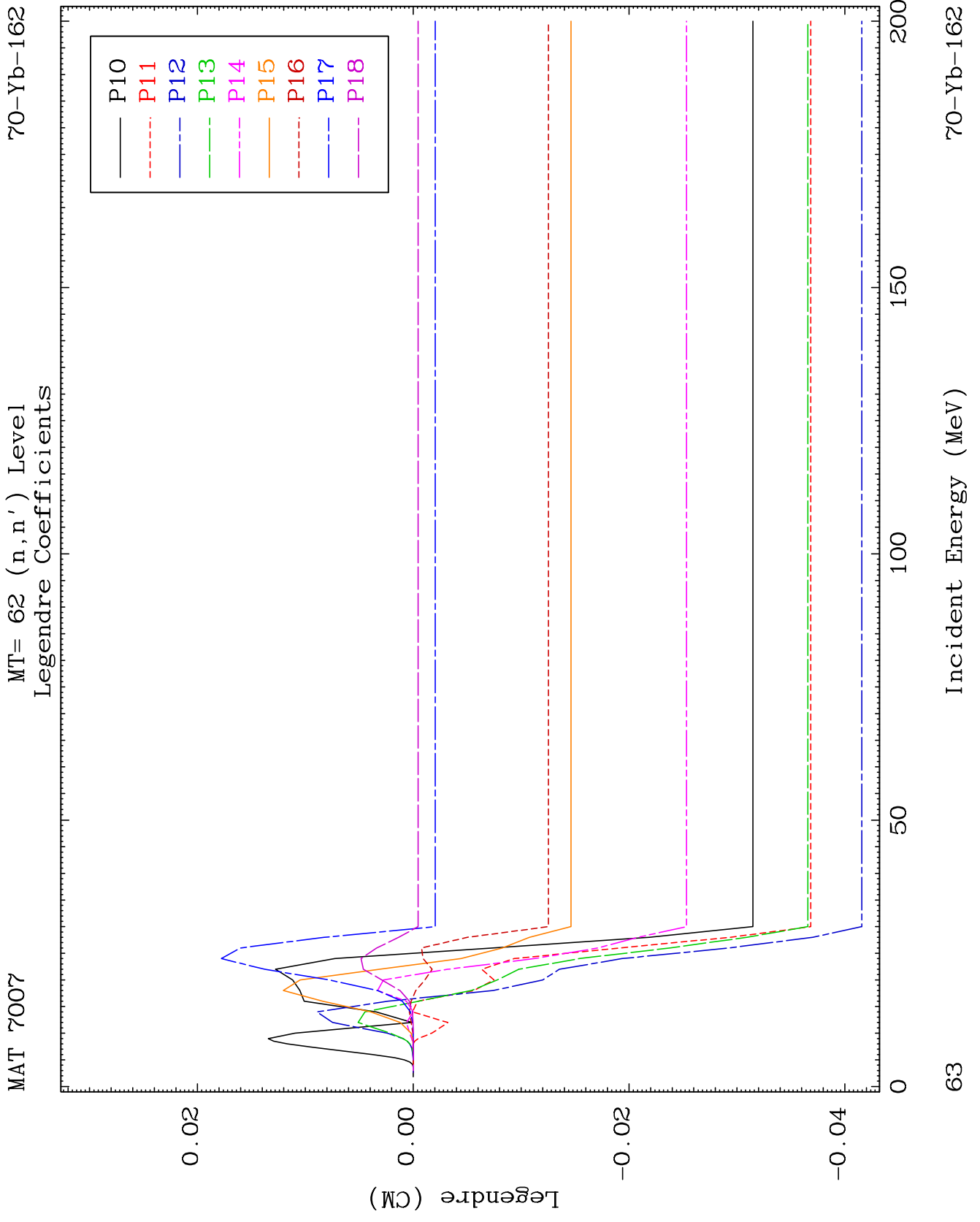
70-Yb-162



70-Yb-162

Incident Energy (MeV)

62

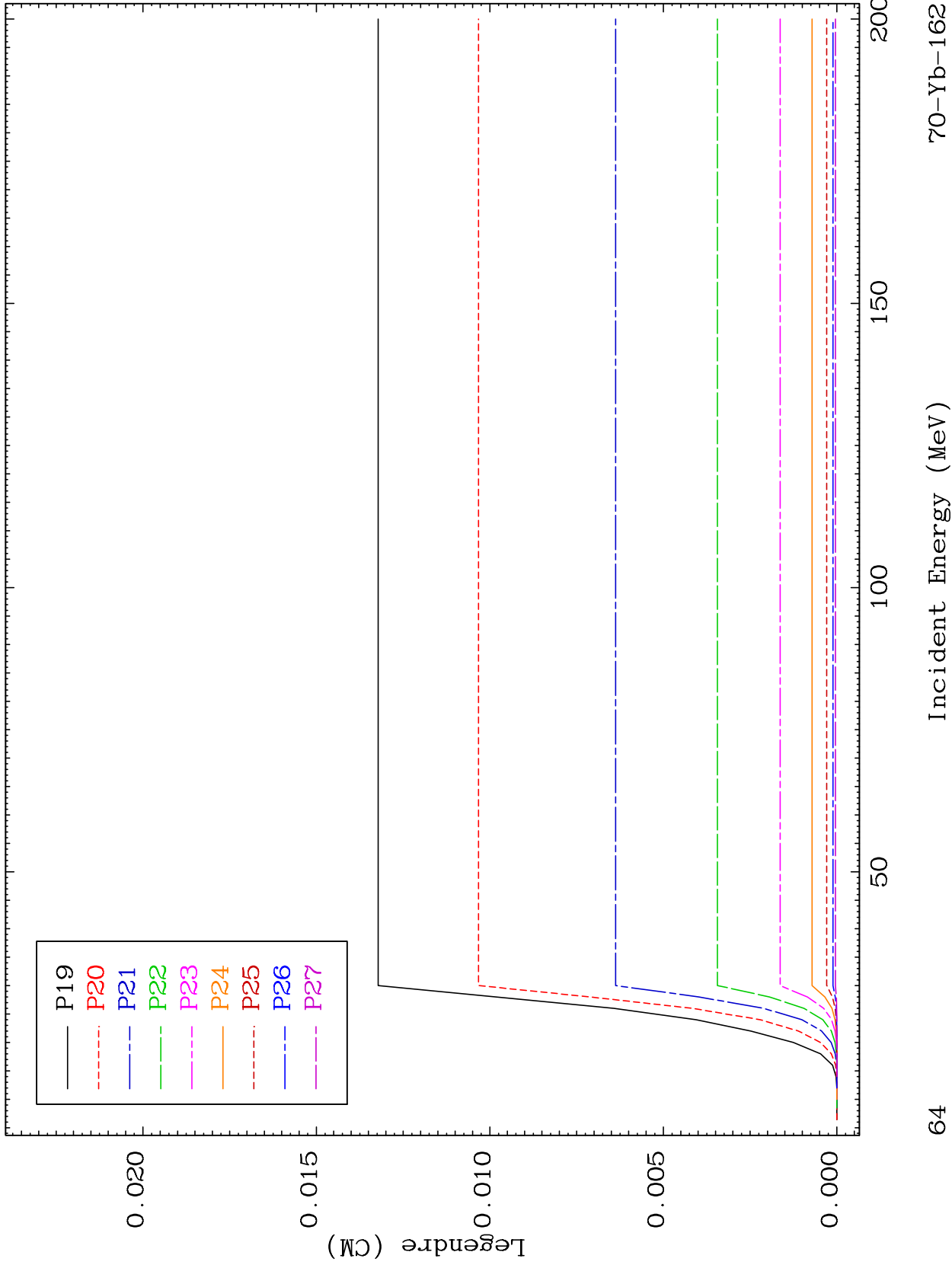




MAT 7007

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

70-Yb-162



64

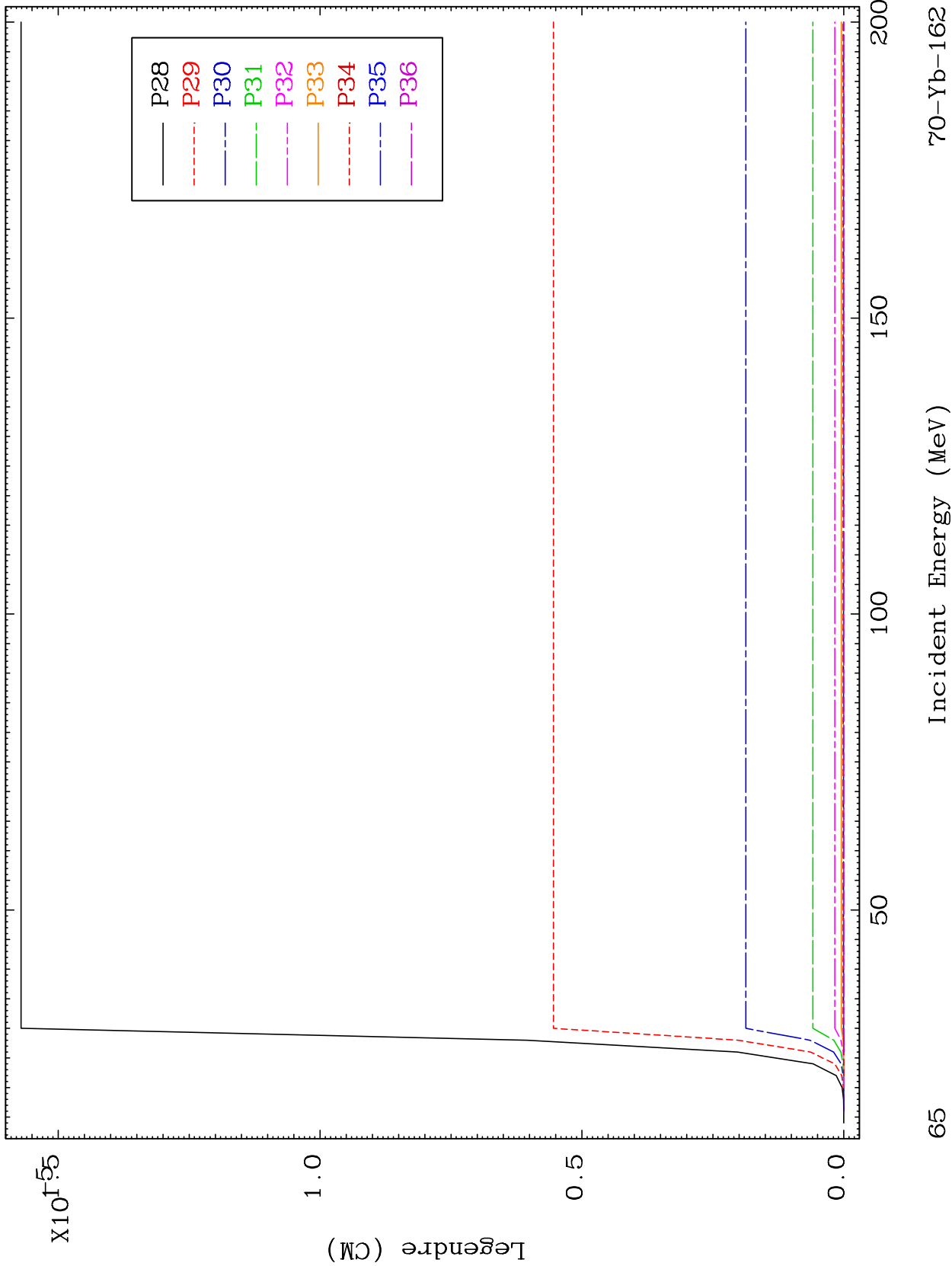
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162



65

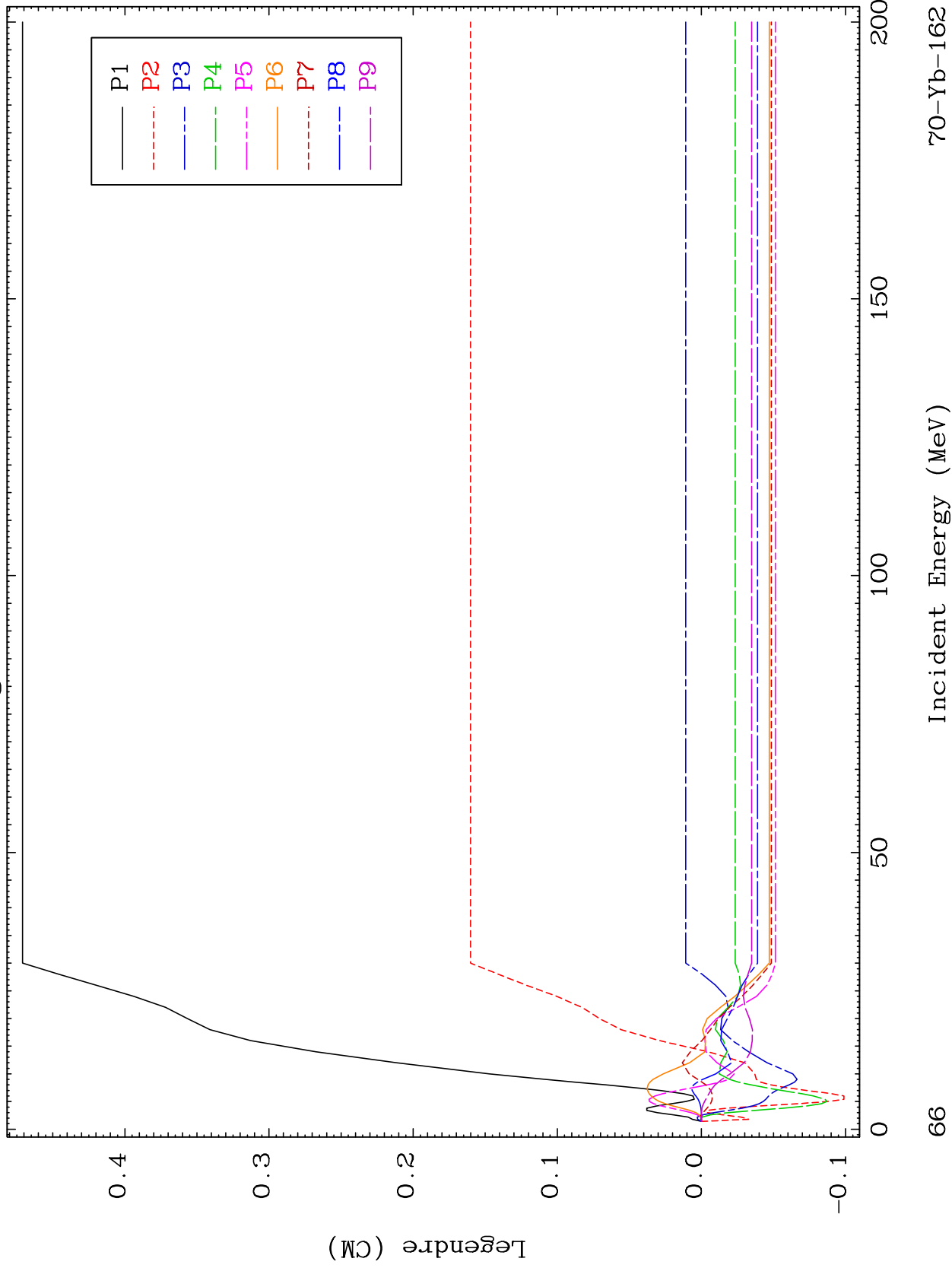
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162



70-Yb-162

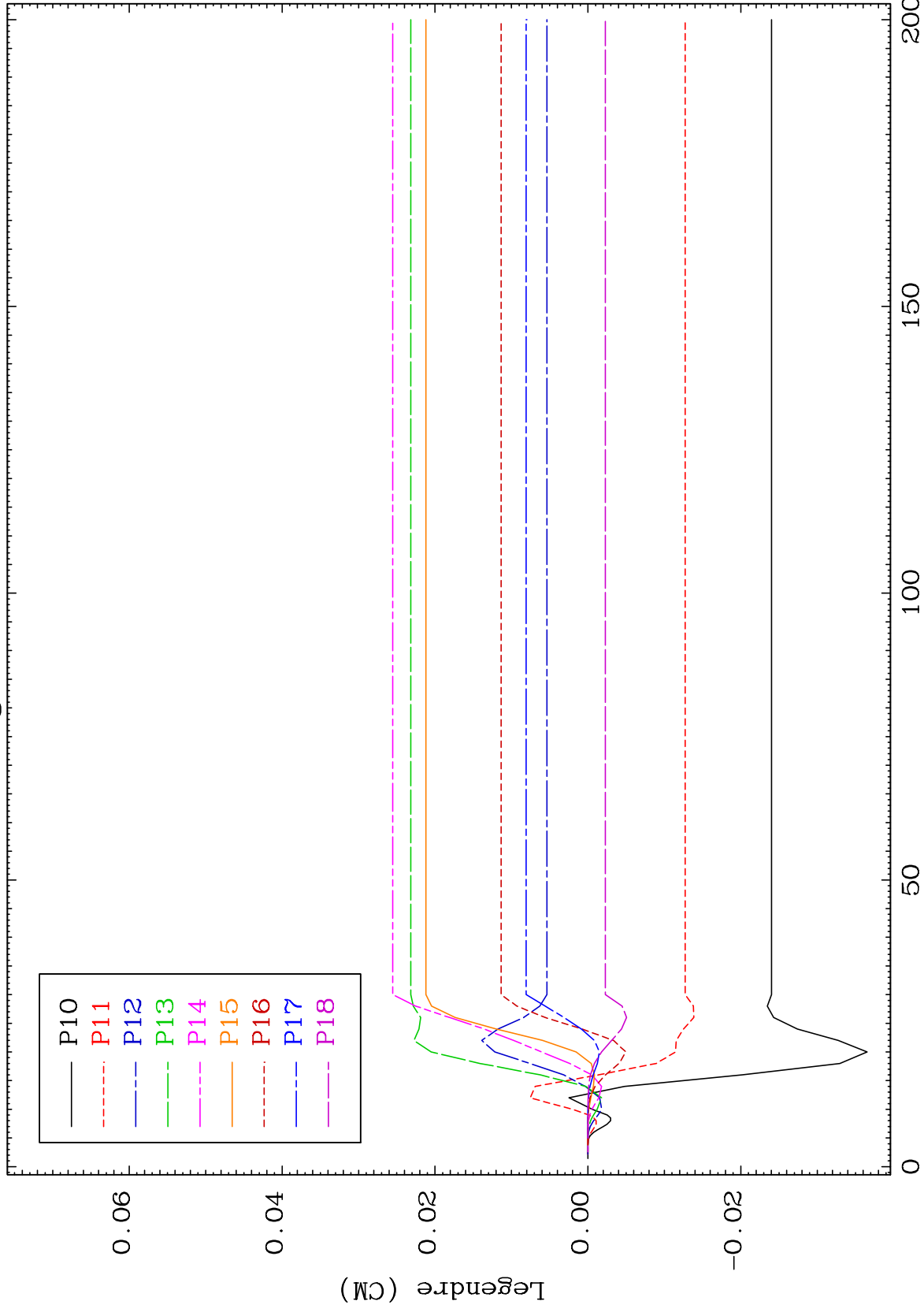
Incident Energy (MeV)

66

MAT 7007

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

70-Yb-162



70-Yb-162

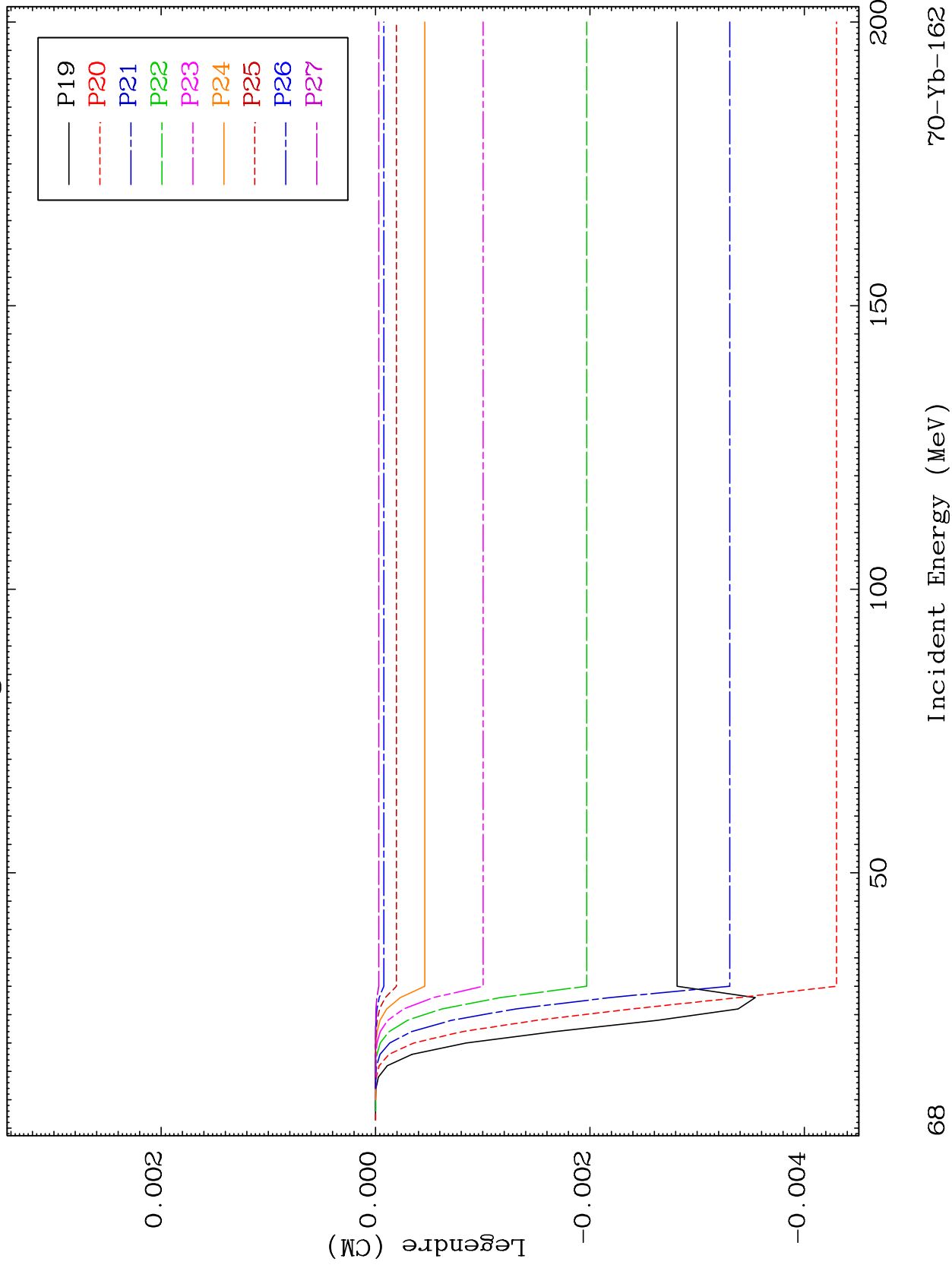
Incident Energy (MeV)

67

MAT 7007

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

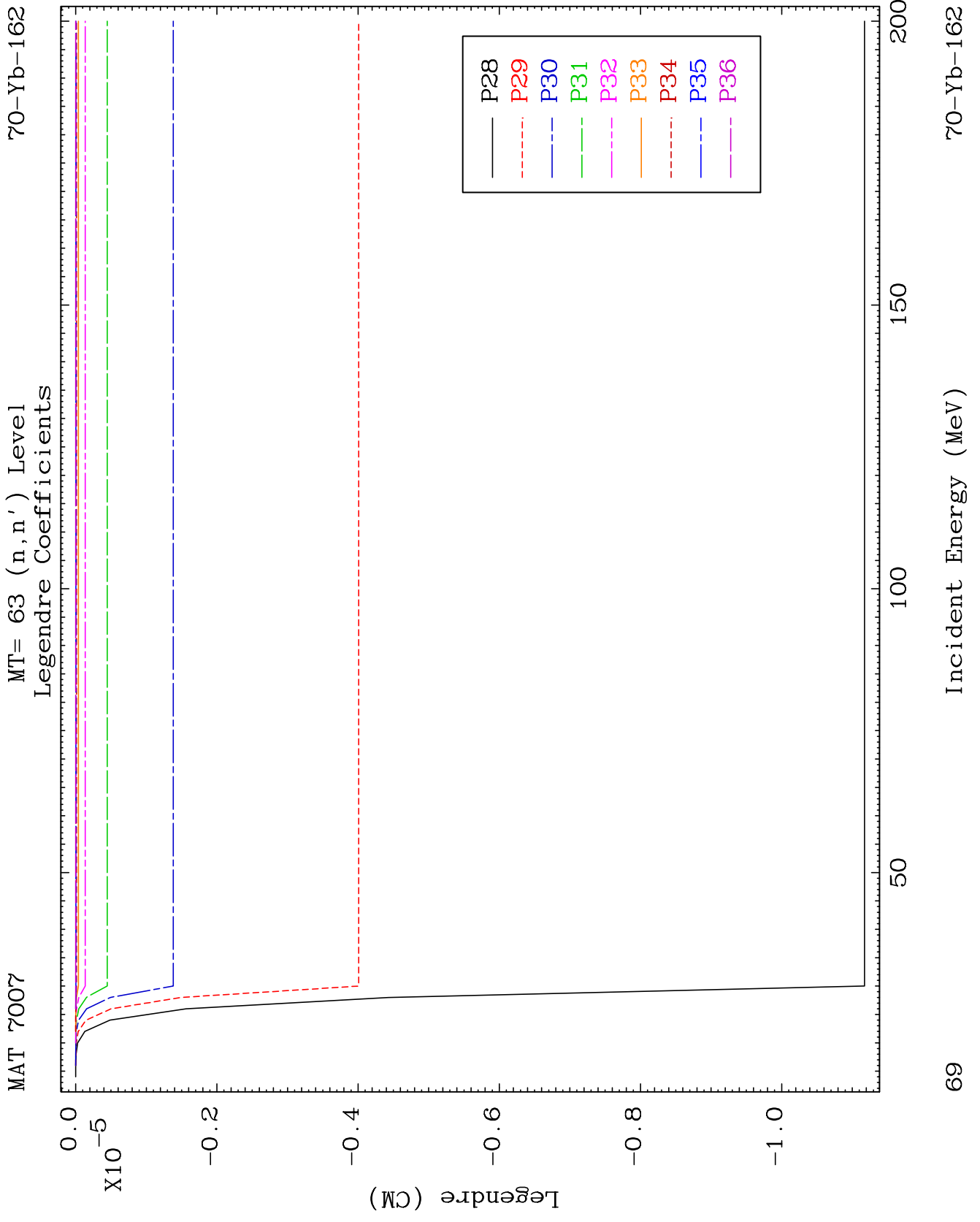
70-Yb-162



68

Incident Energy (MeV)

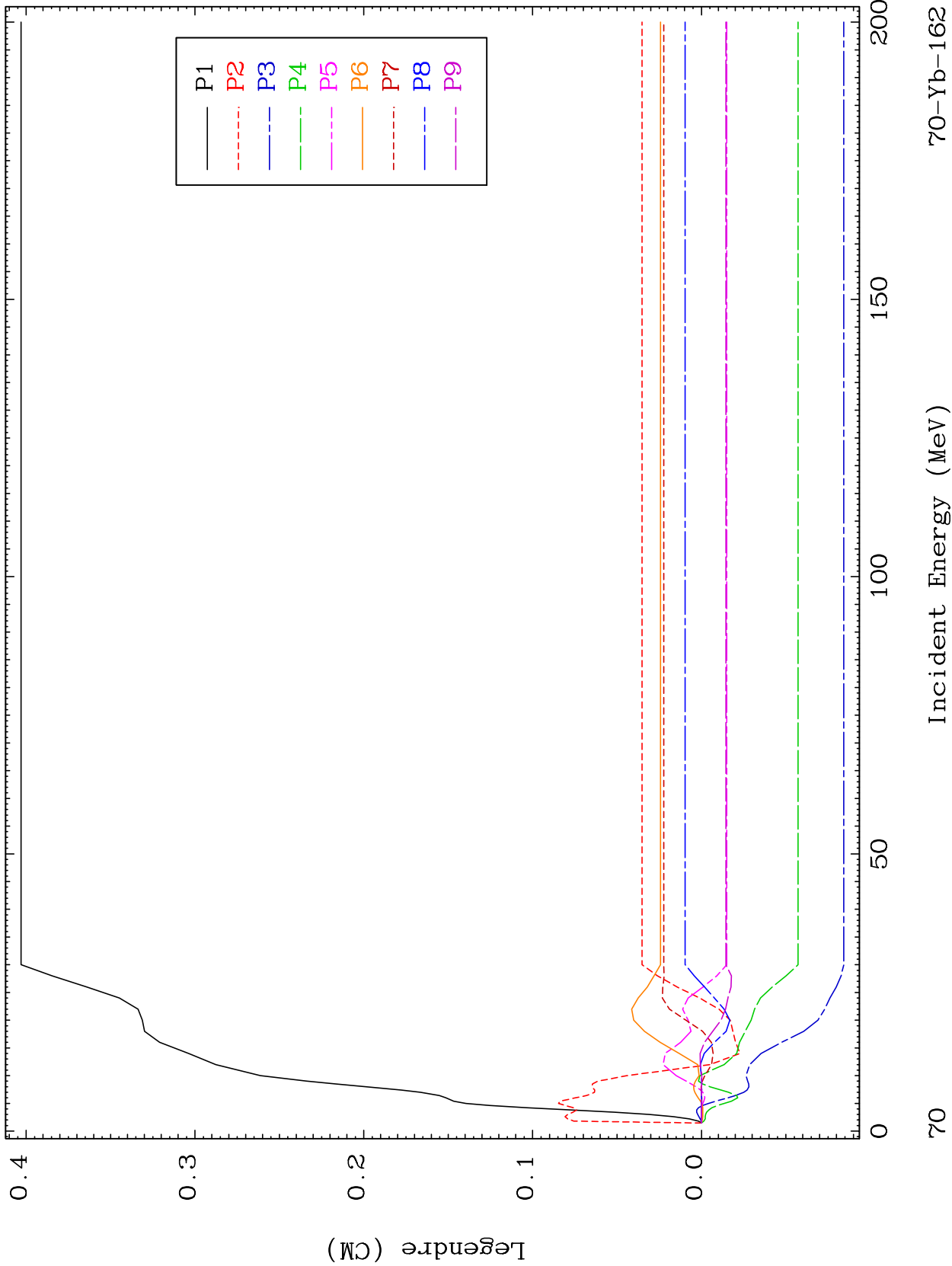
70-Yb-162



MAT 7007

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

70-Yb-162



70-Yb-162

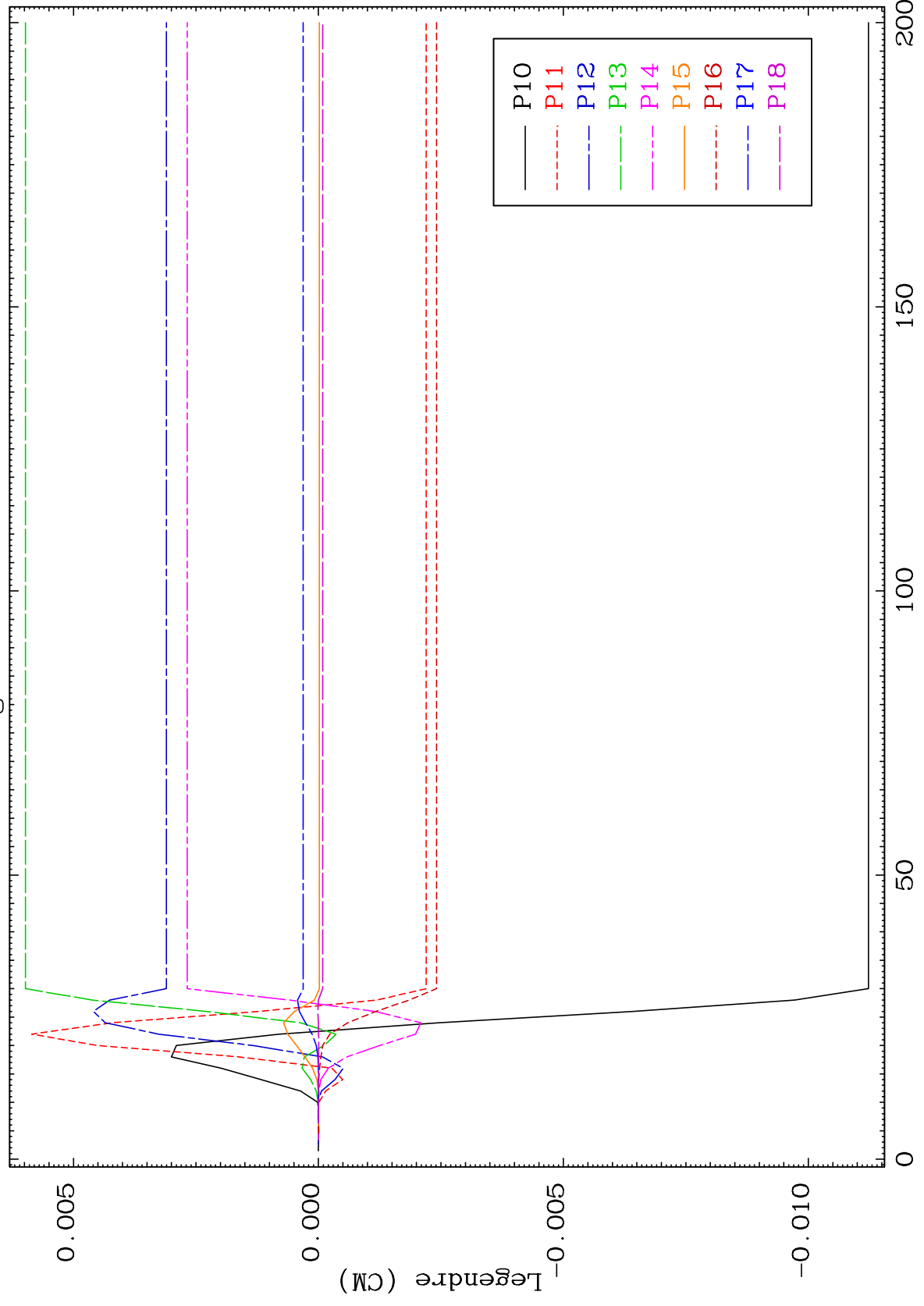
Incident Energy (MeV)

70

MAT 7007

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

70-Yb-162



71

Incident Energy (MeV)

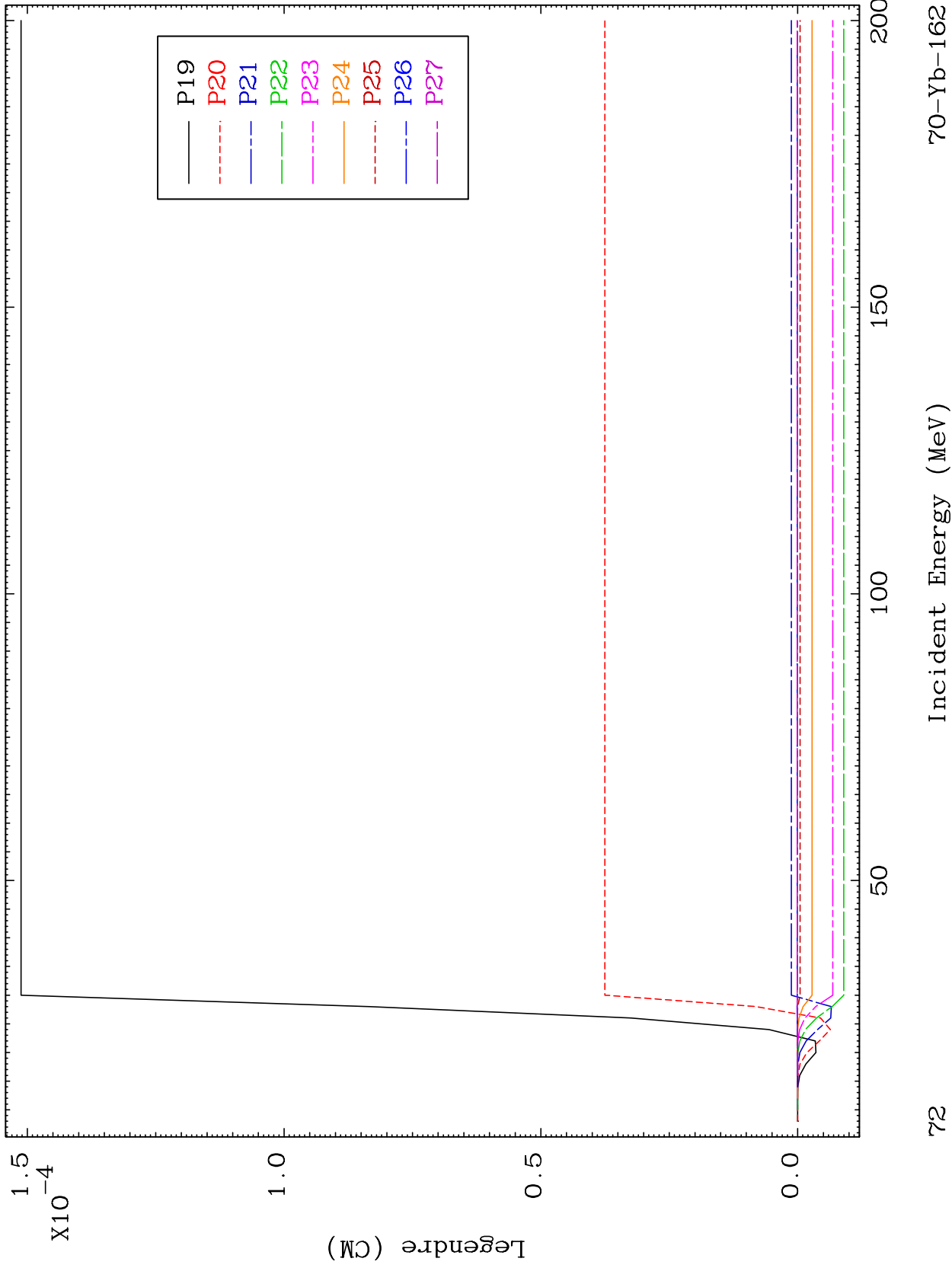
70-Yb-162



MAT 7007

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

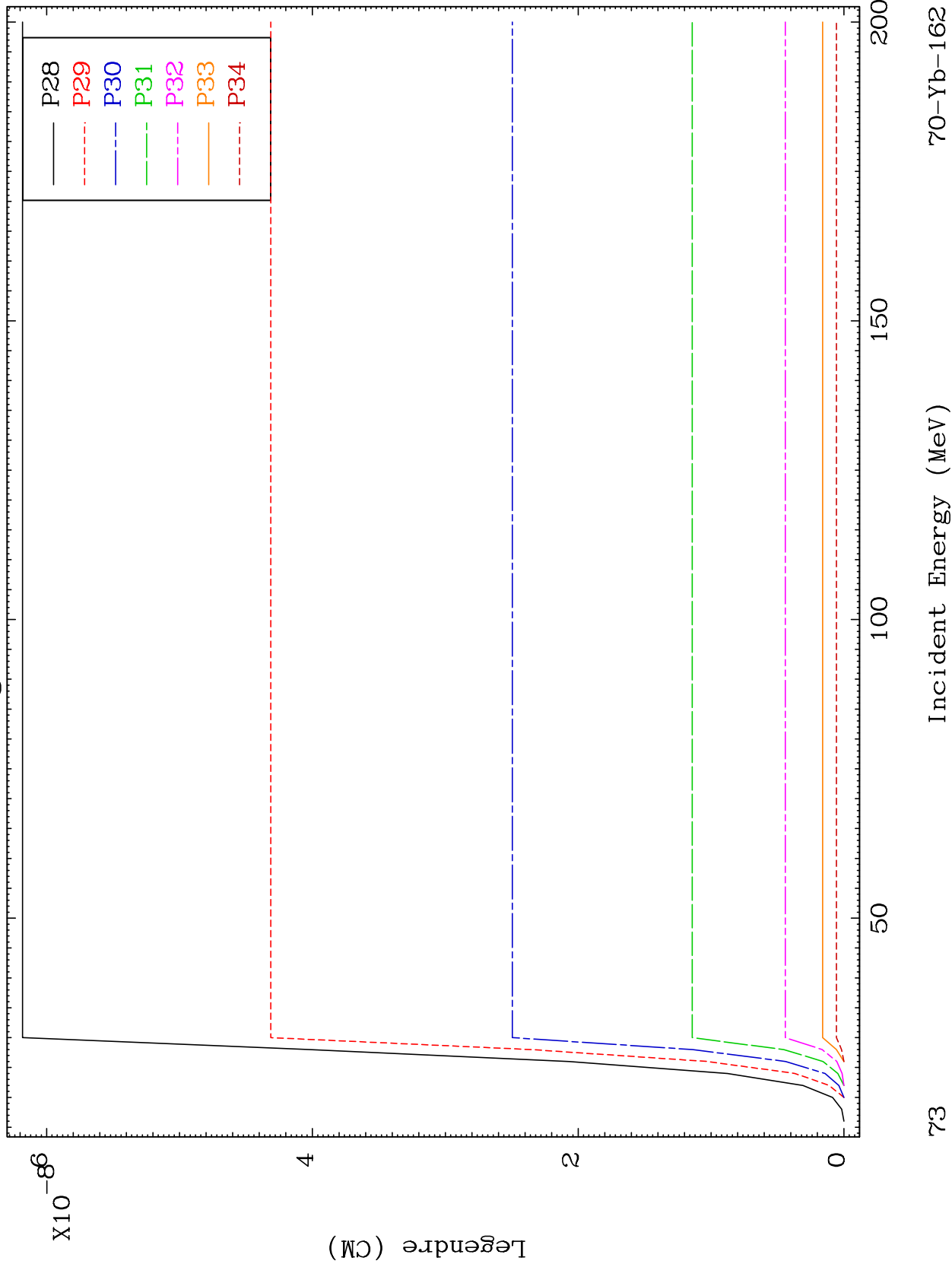
70-Yb-162



MAT 7007

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

70-Yb-162

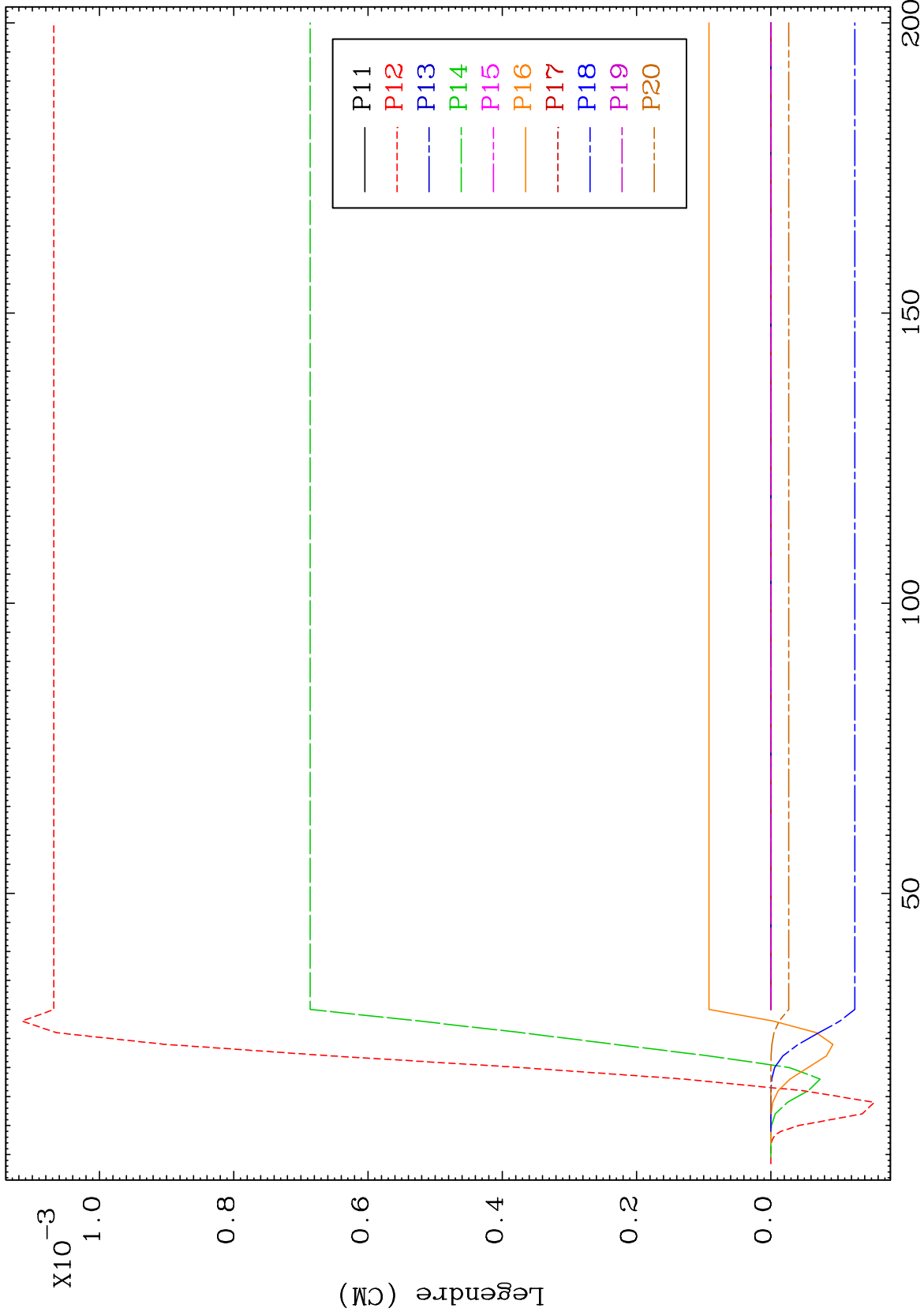




MAT 7007

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

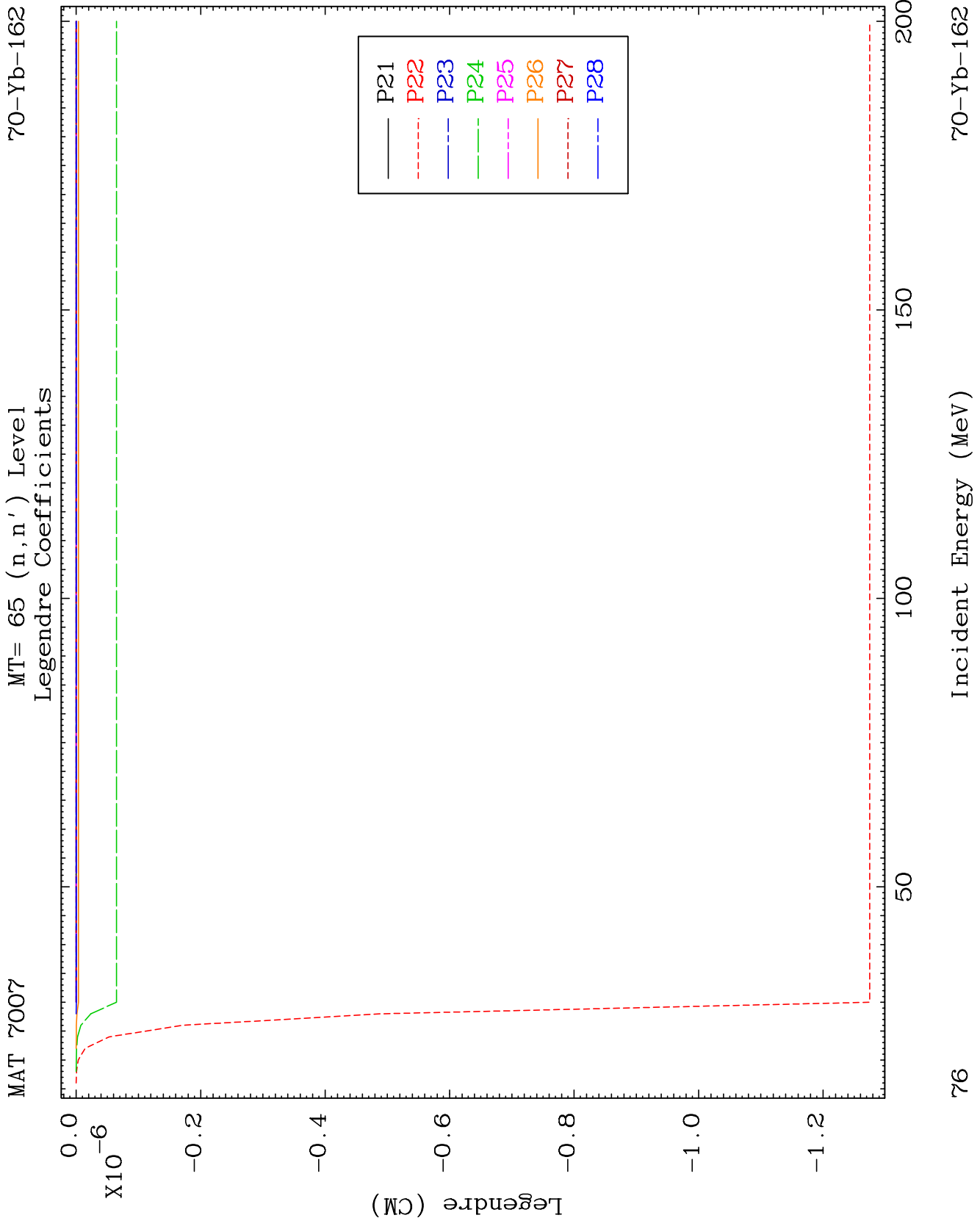
70-Yb-162



75

Incident Energy (MeV)

70-Yb-162

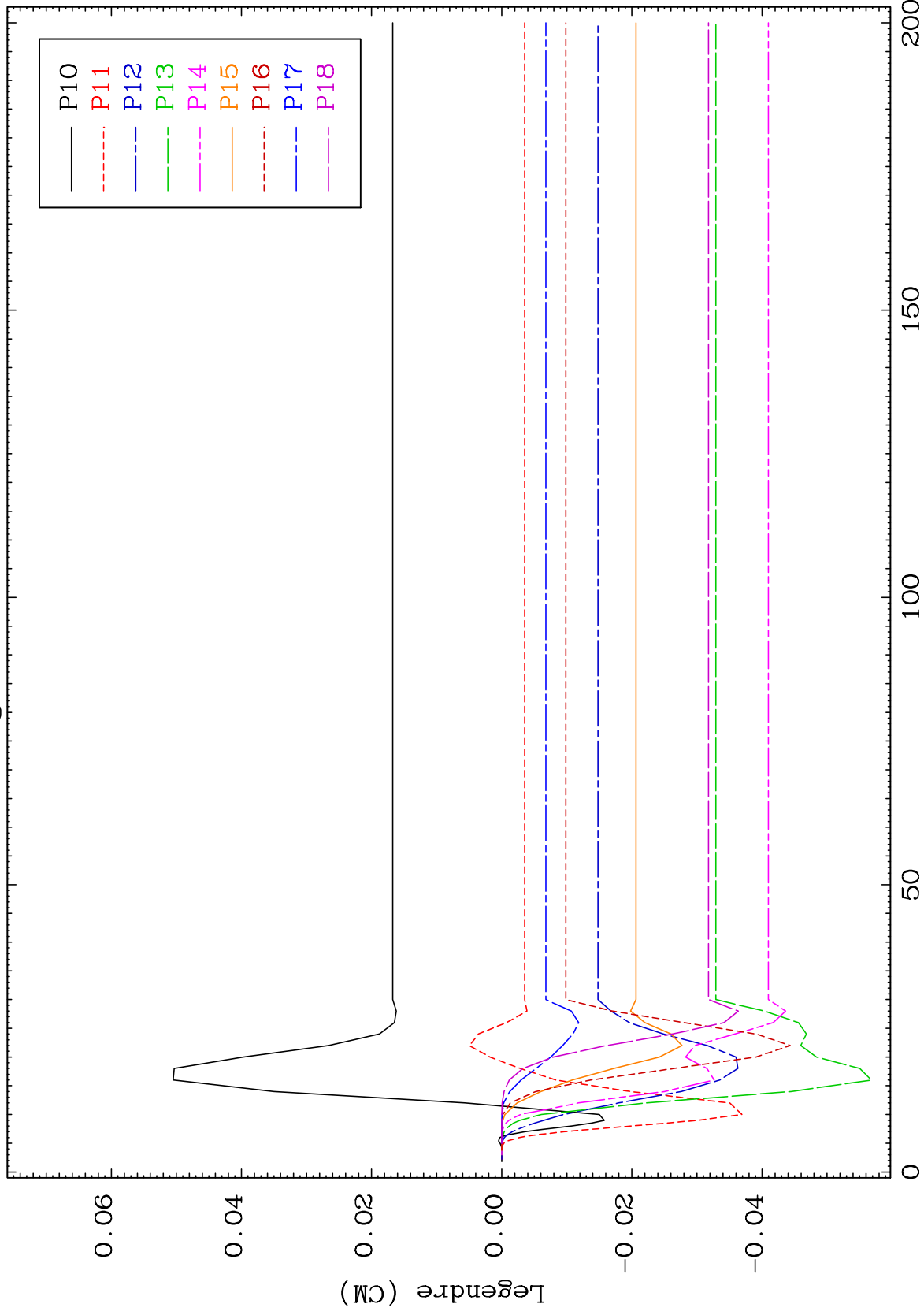




MAT 7007

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

70-Yb-162



78

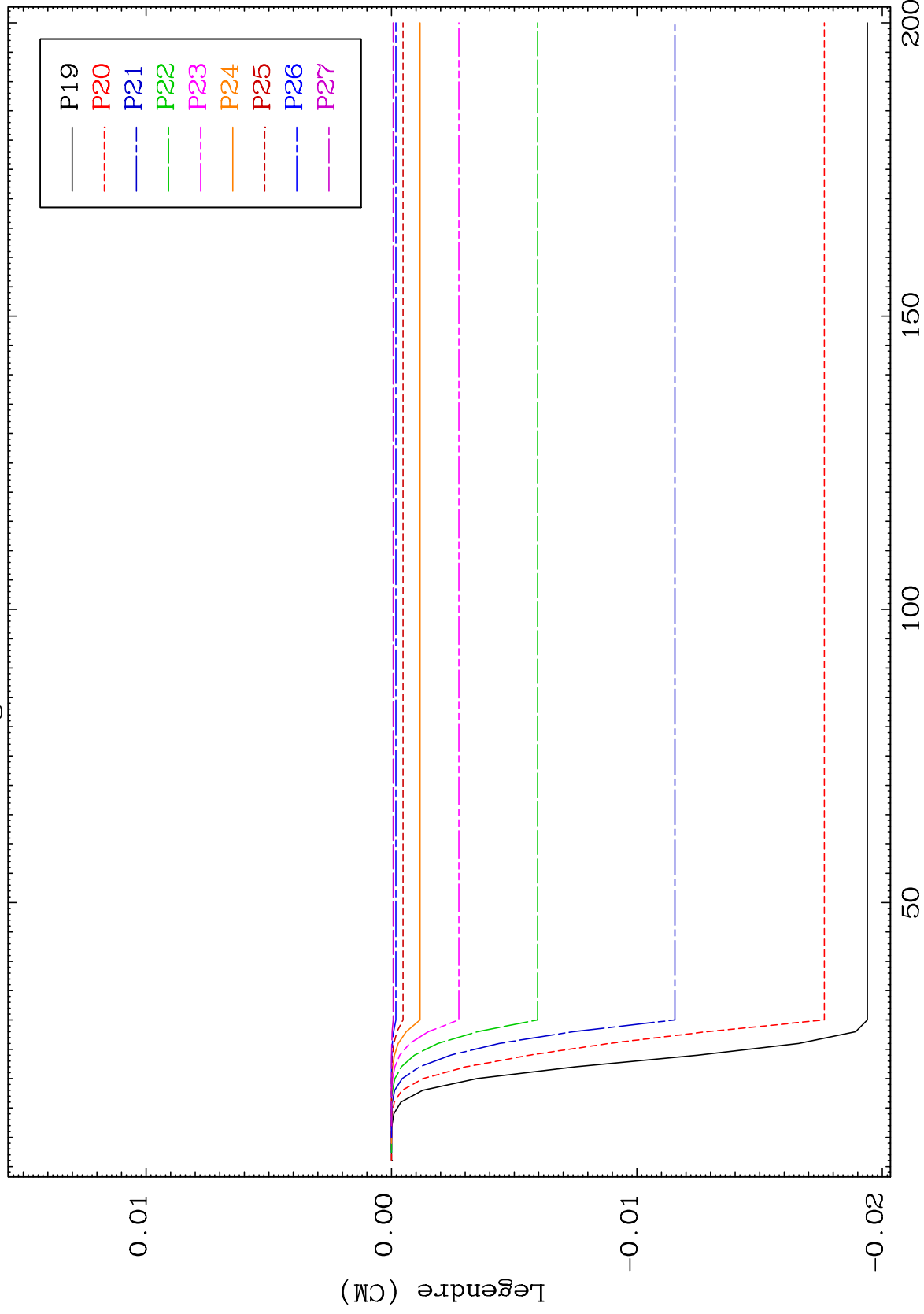
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162

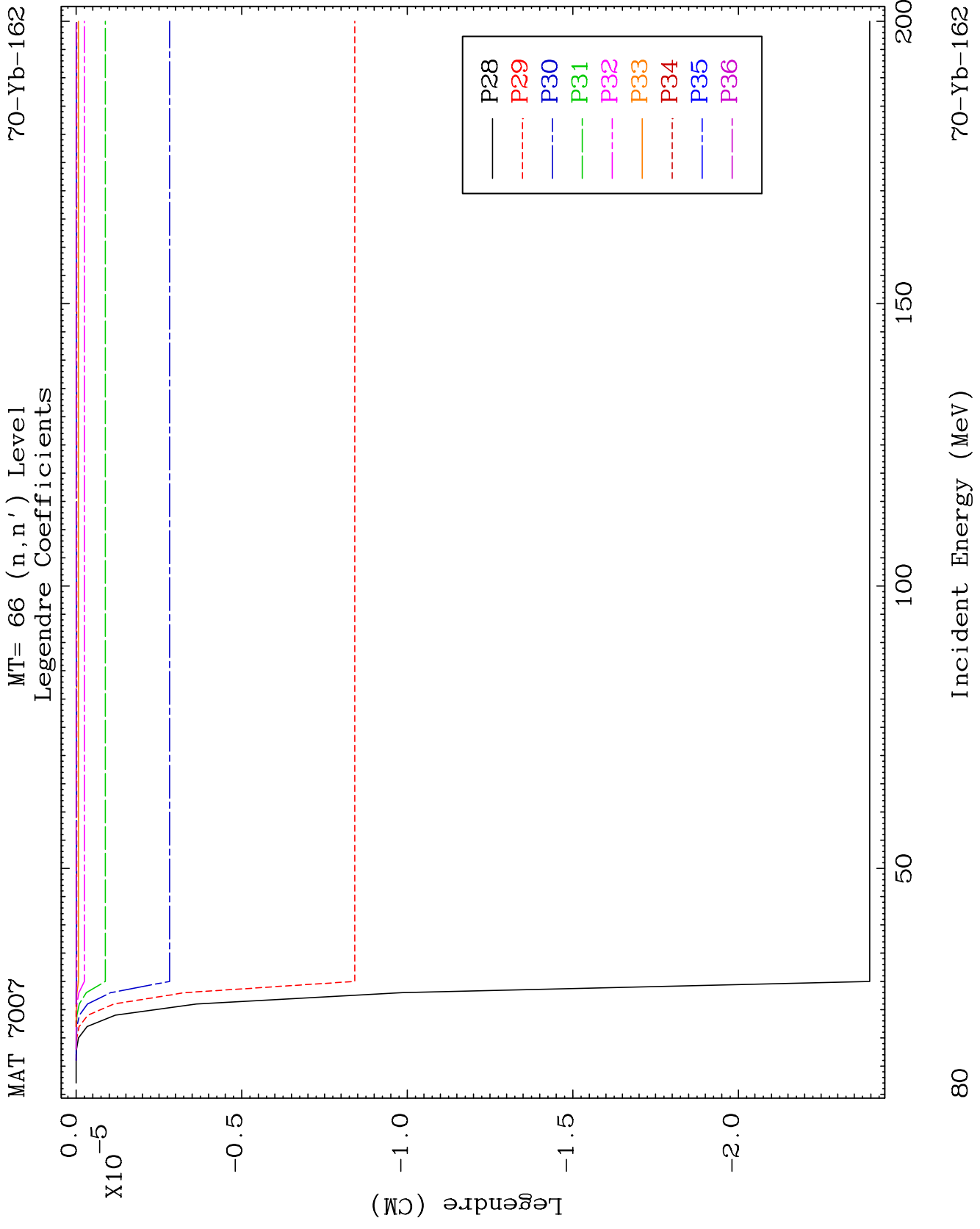


79

Incident Energy (MeV)

70-Yb-162

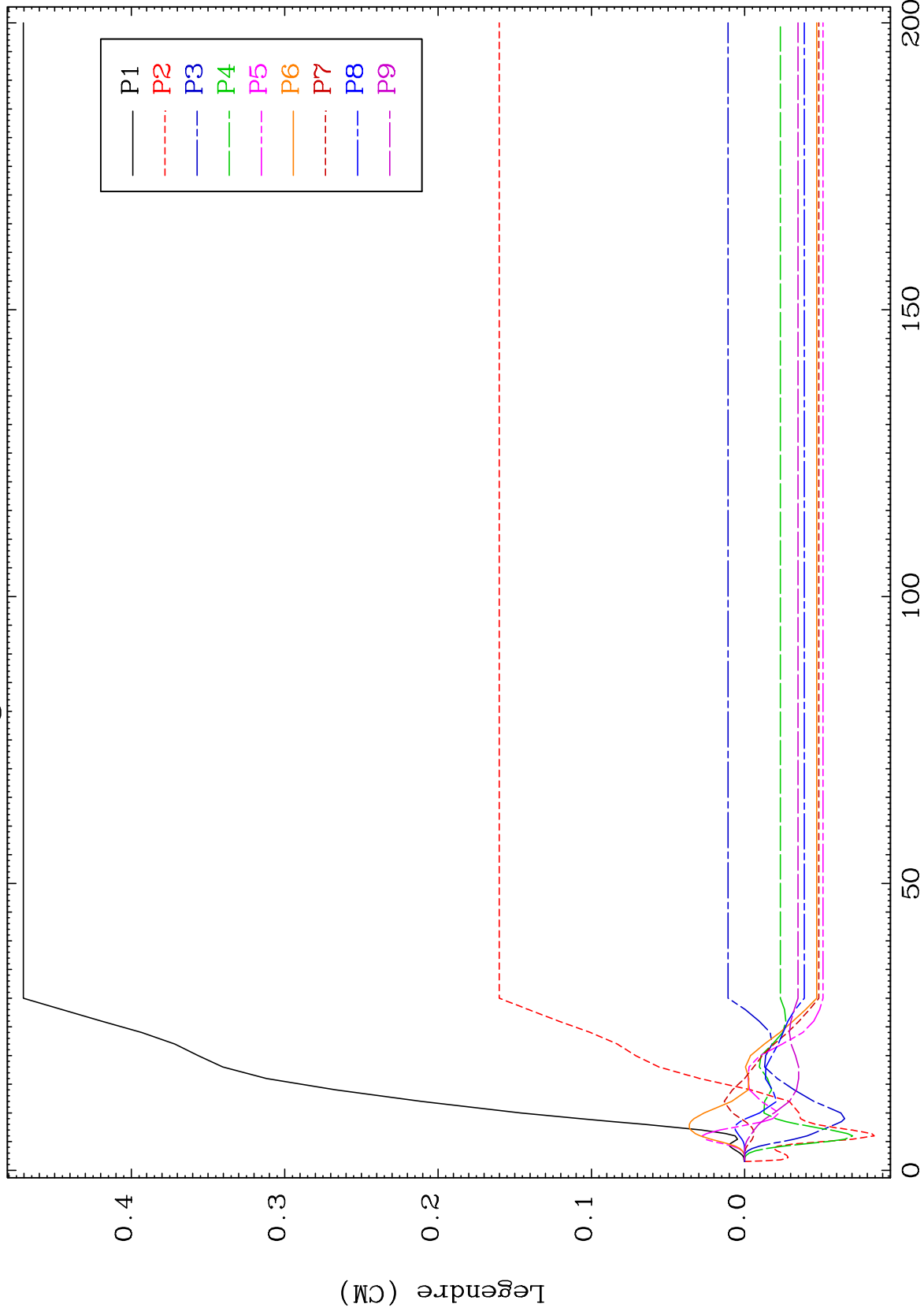




MAT 7007

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

70-Yb-162



81

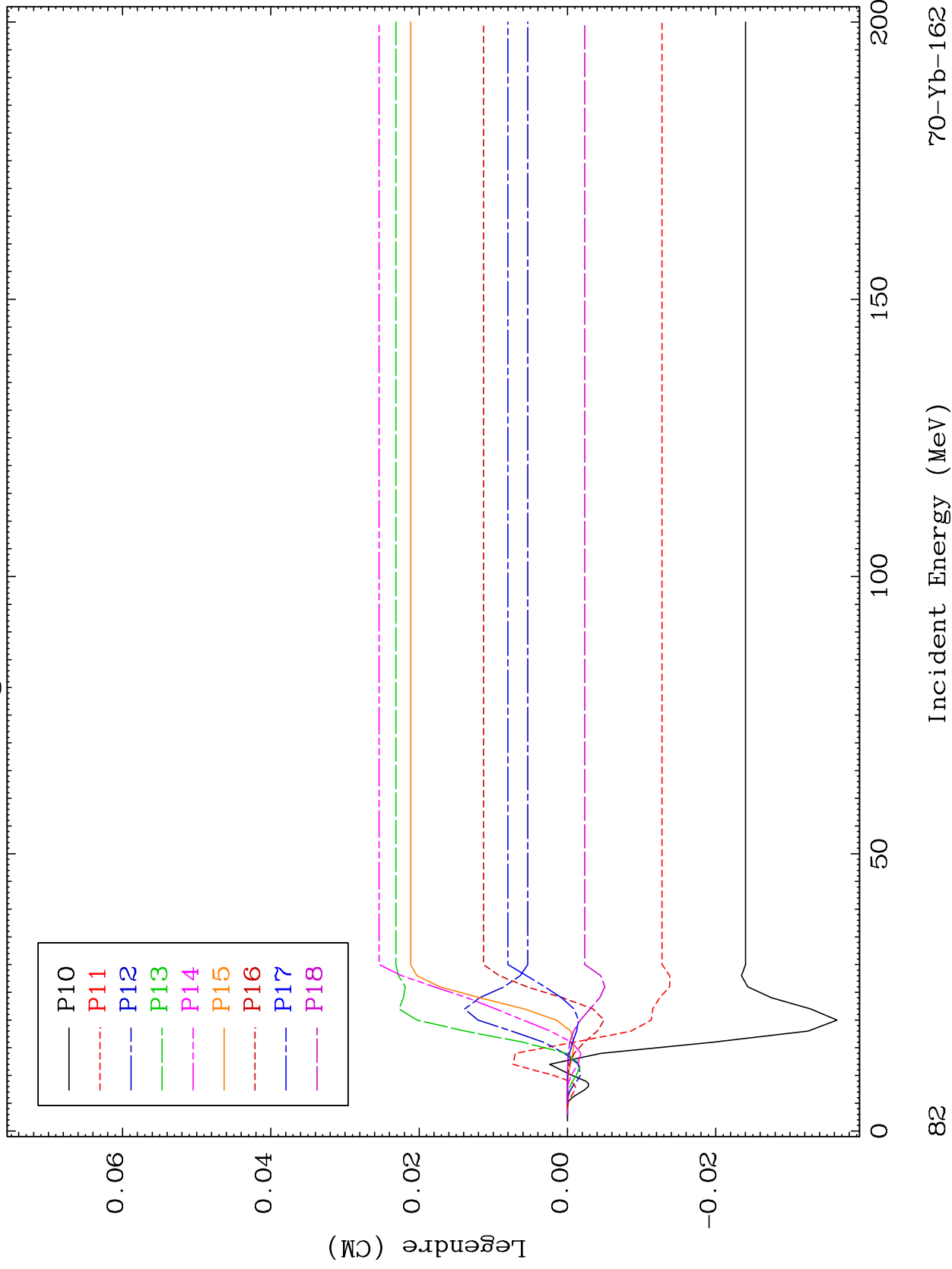
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162



70-Yb-162

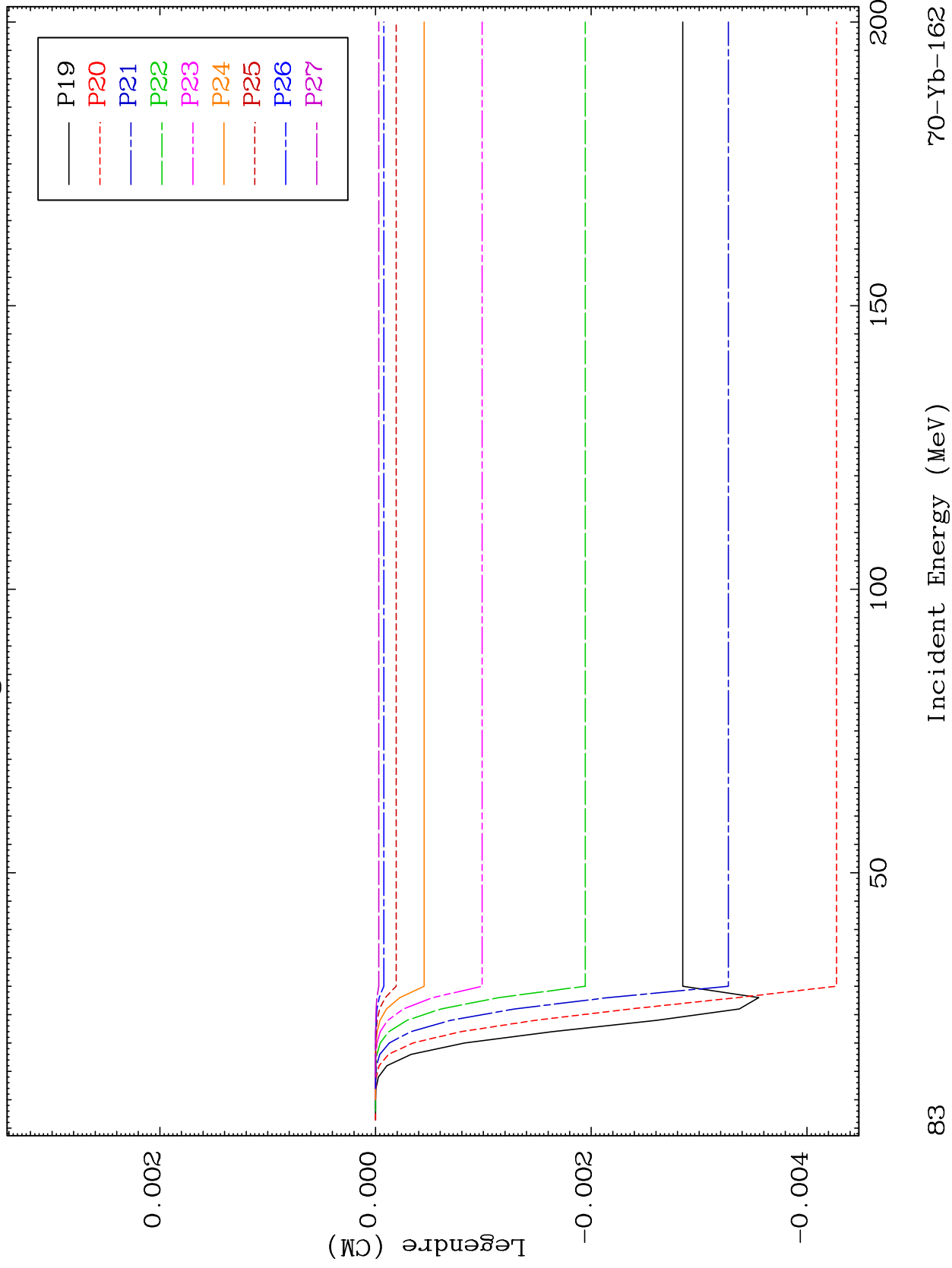
Incident Energy (MeV)

82

MAT 7007

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

70-Yb-162



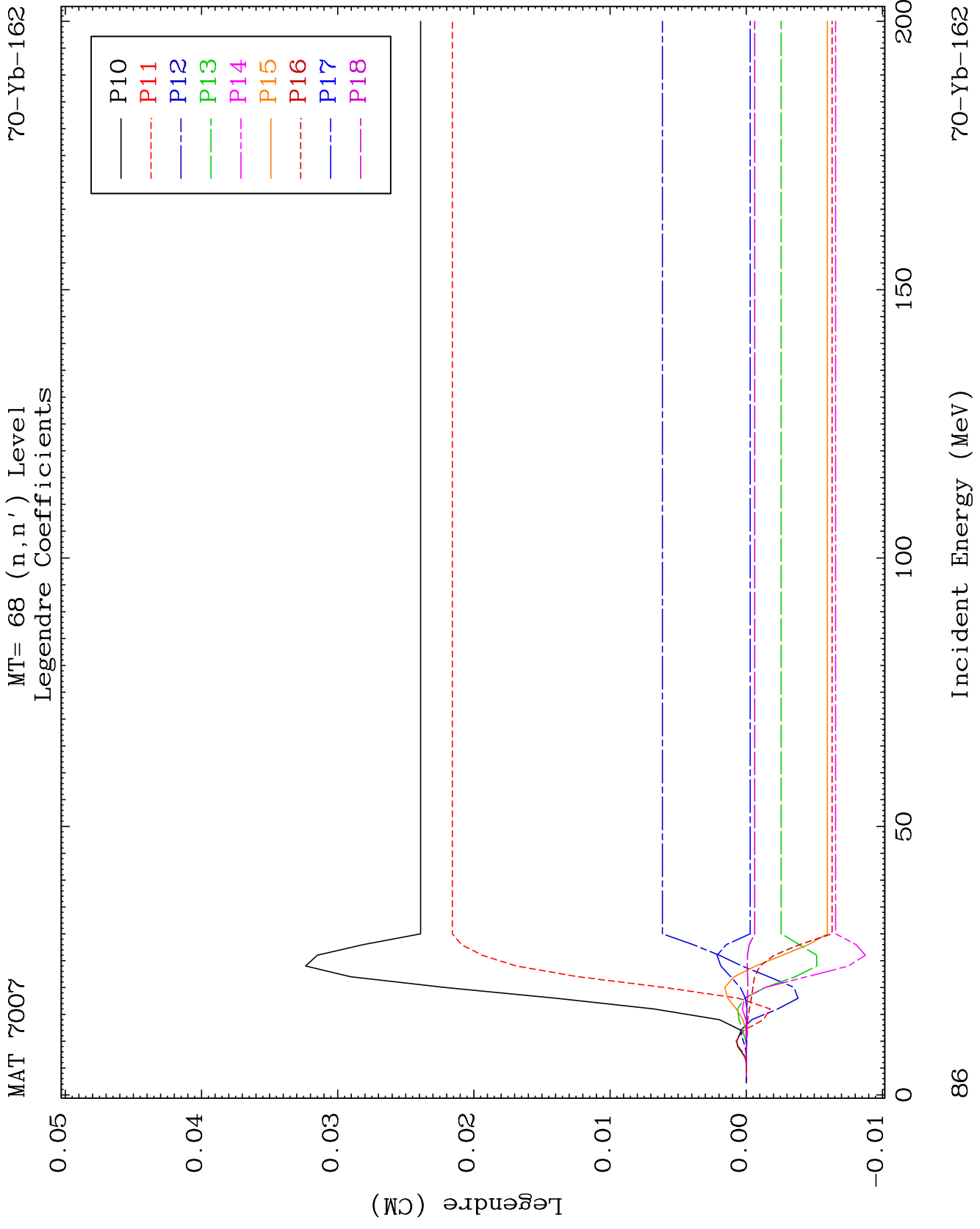
83

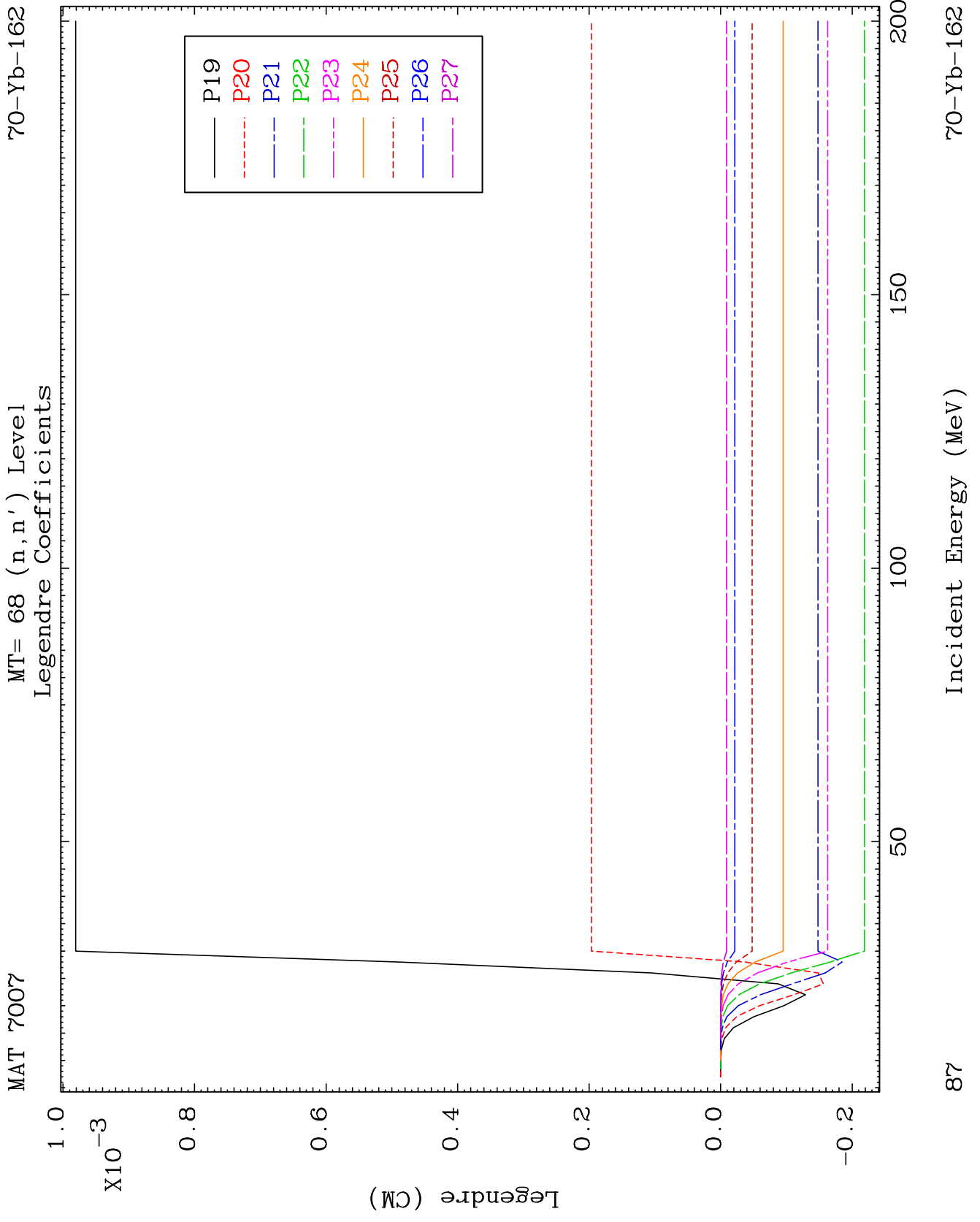
Incident Energy (MeV)

70-Yb-162



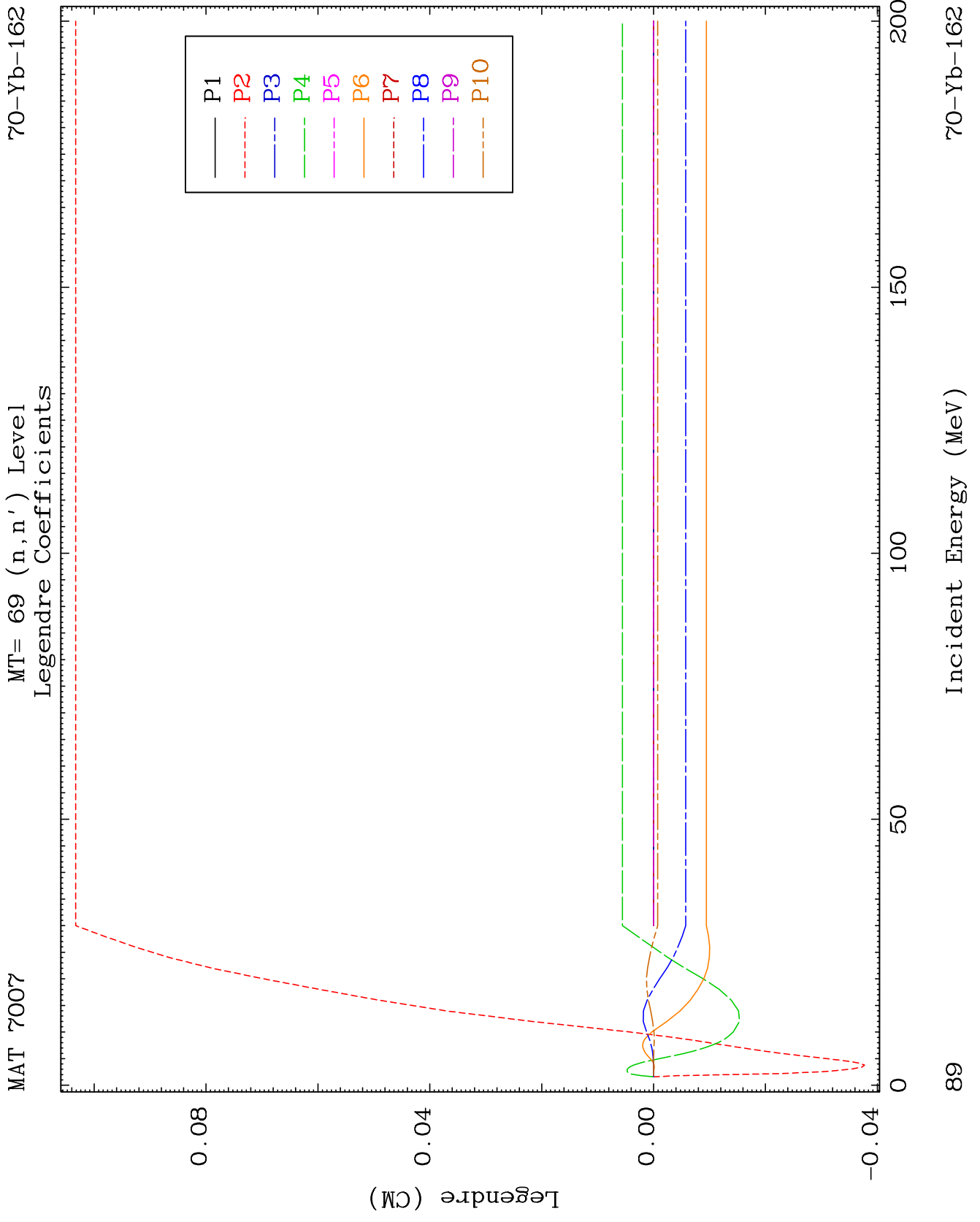








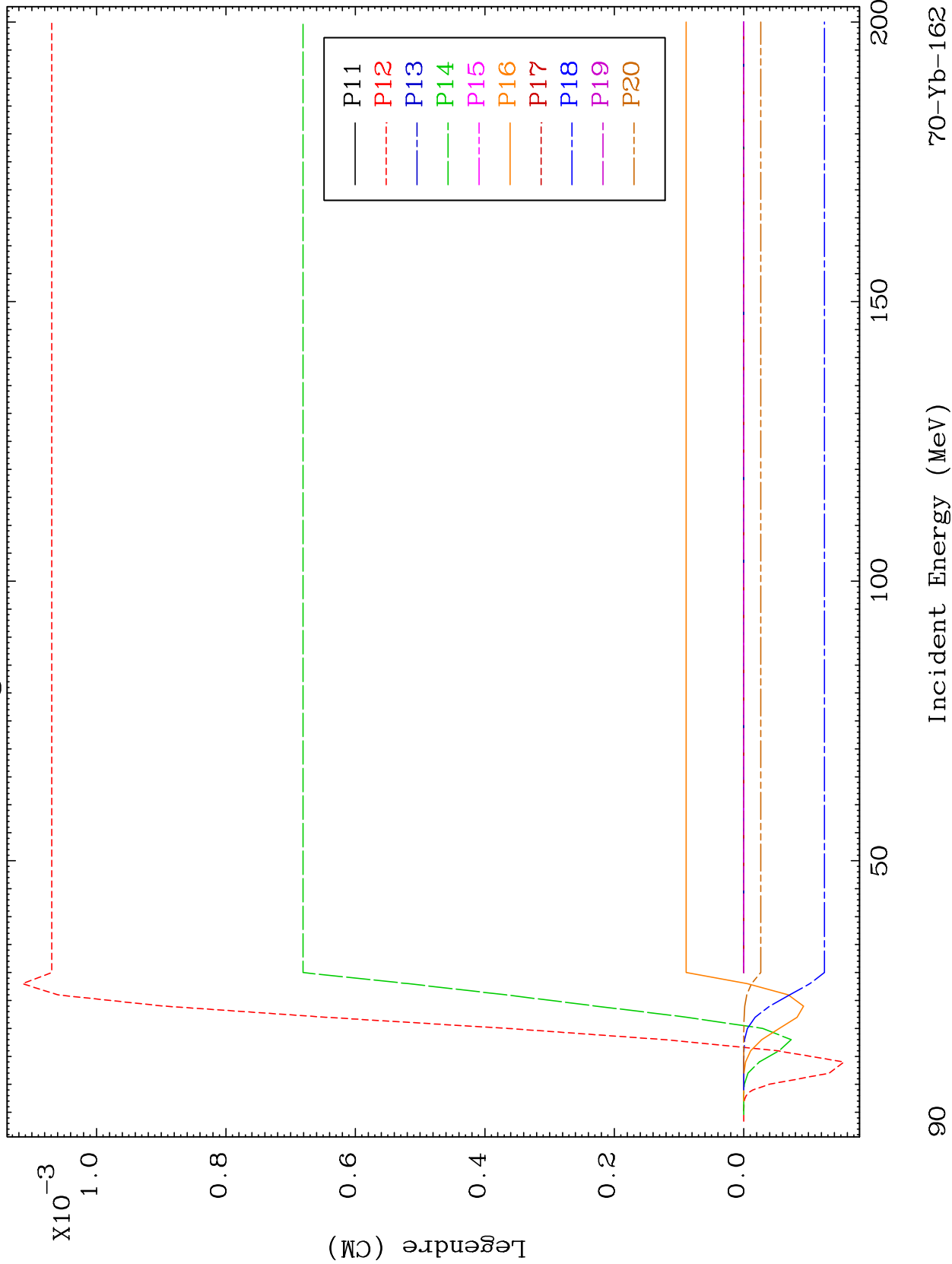




MAT 7007

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

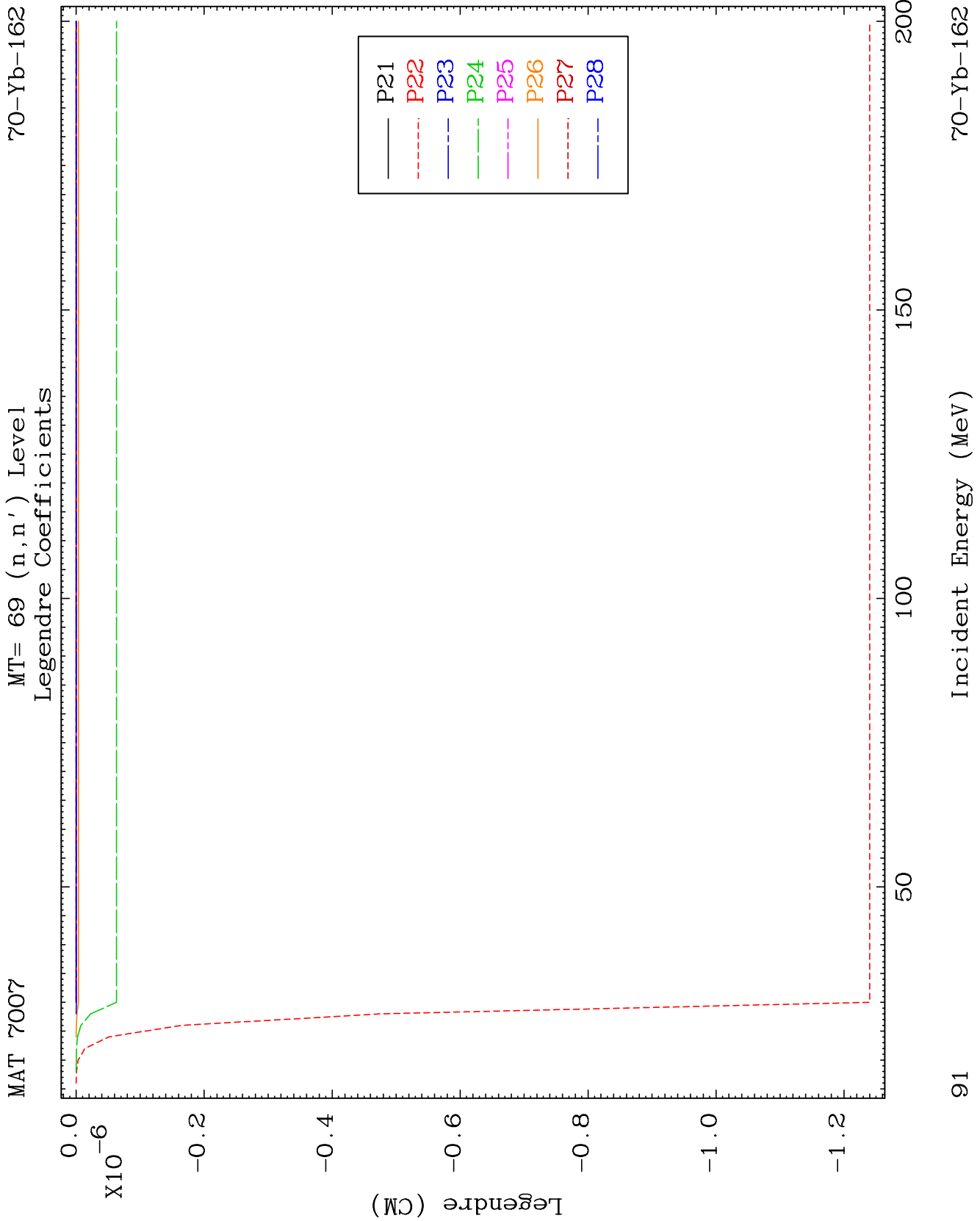
70-Yb-162

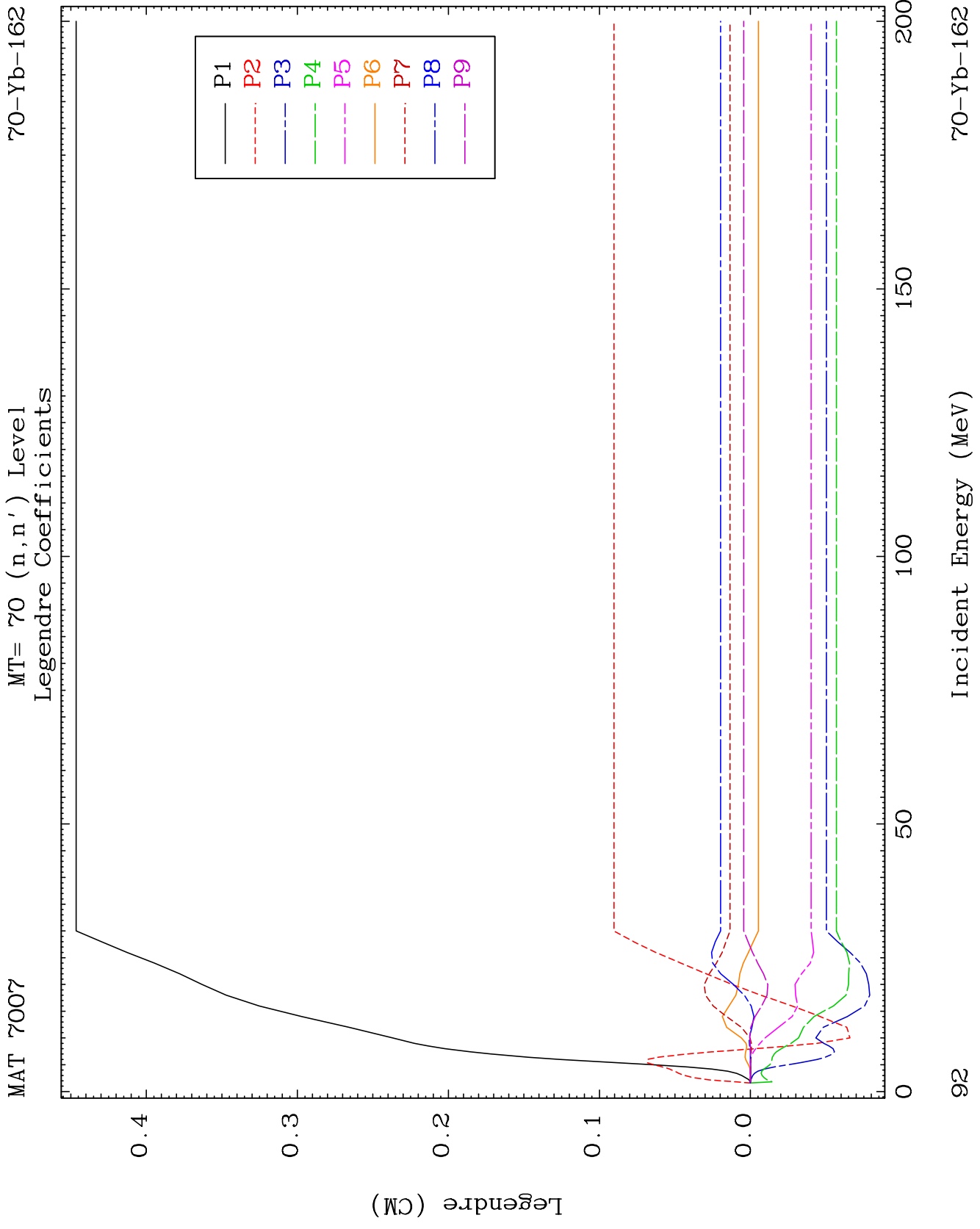


90

Incident Energy (MeV)

70-Yb-162

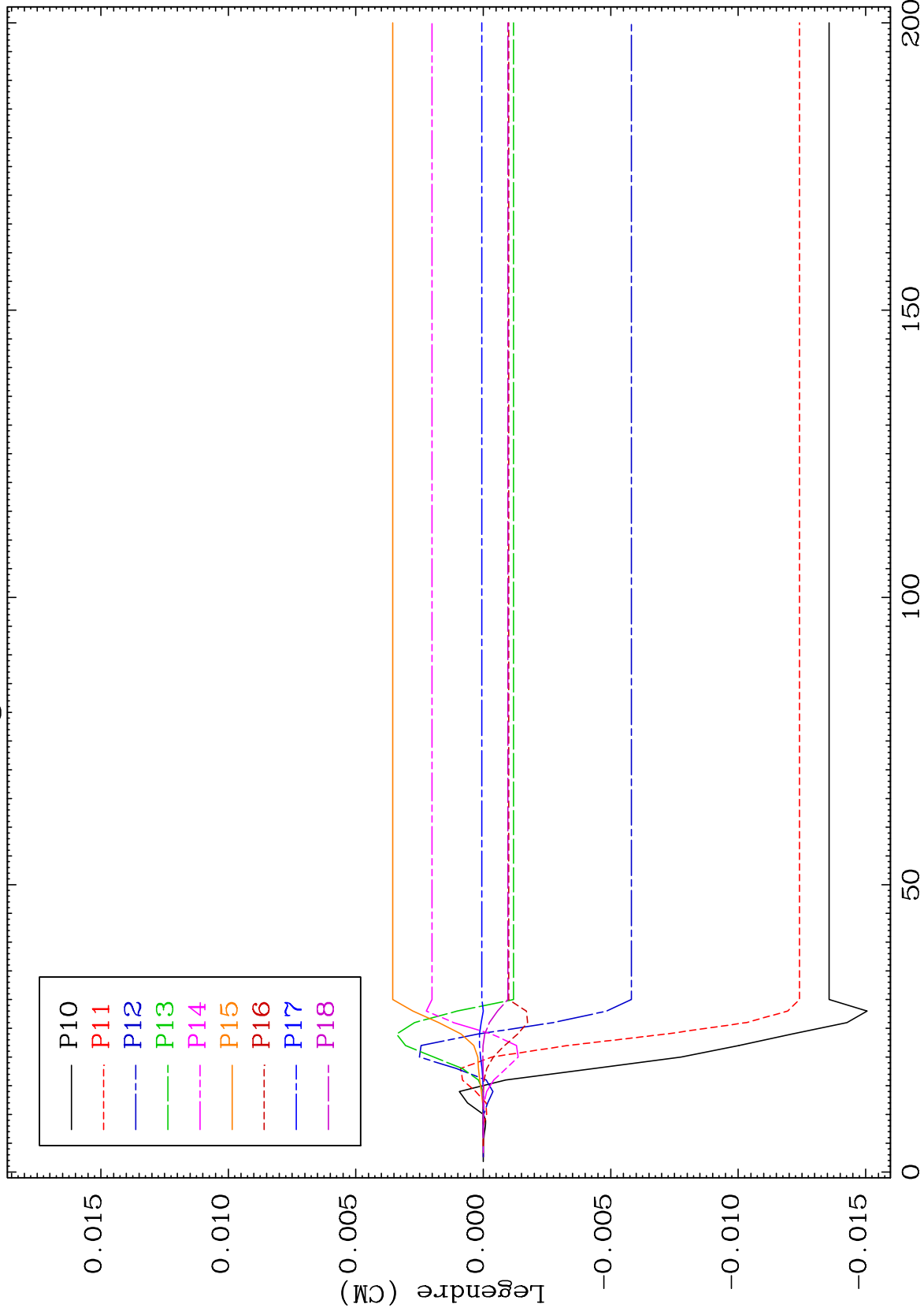




MAT 7007

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

70-Yb-162



93

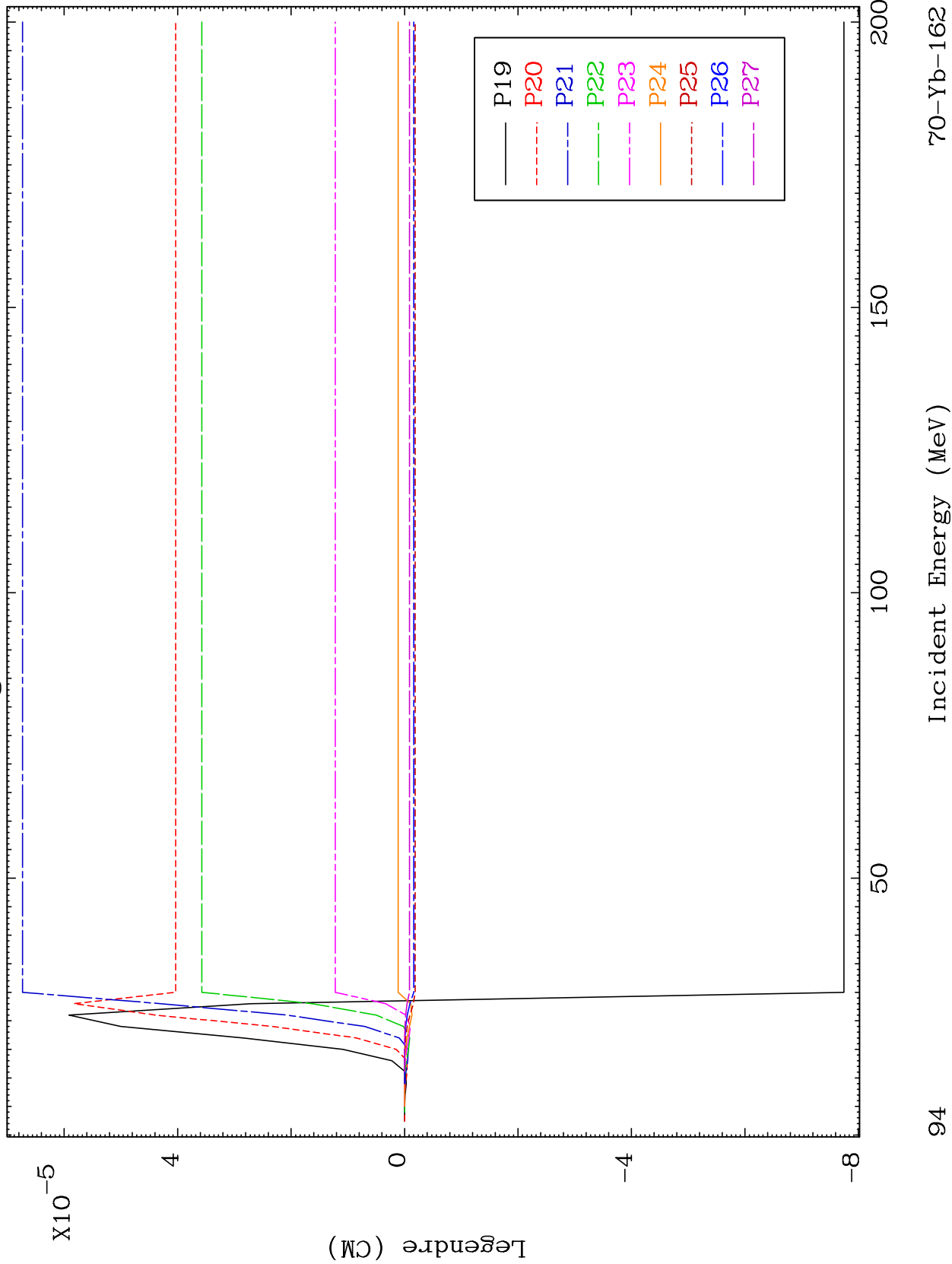
Incident Energy (MeV)

70-Yb-162

MAT 7007

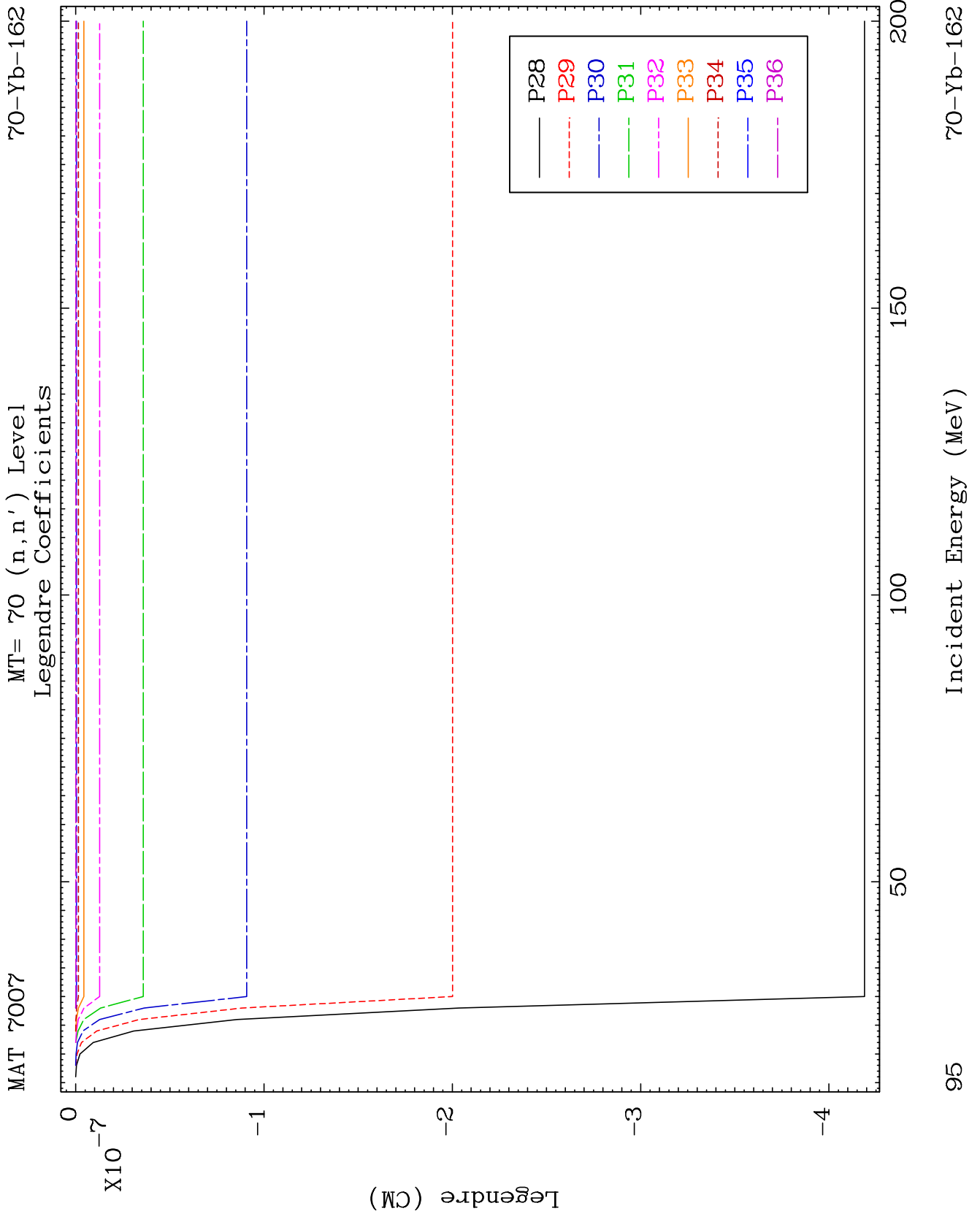
MT= 70 (n,n') Level  
Legendre Coefficients

70-Yb-162

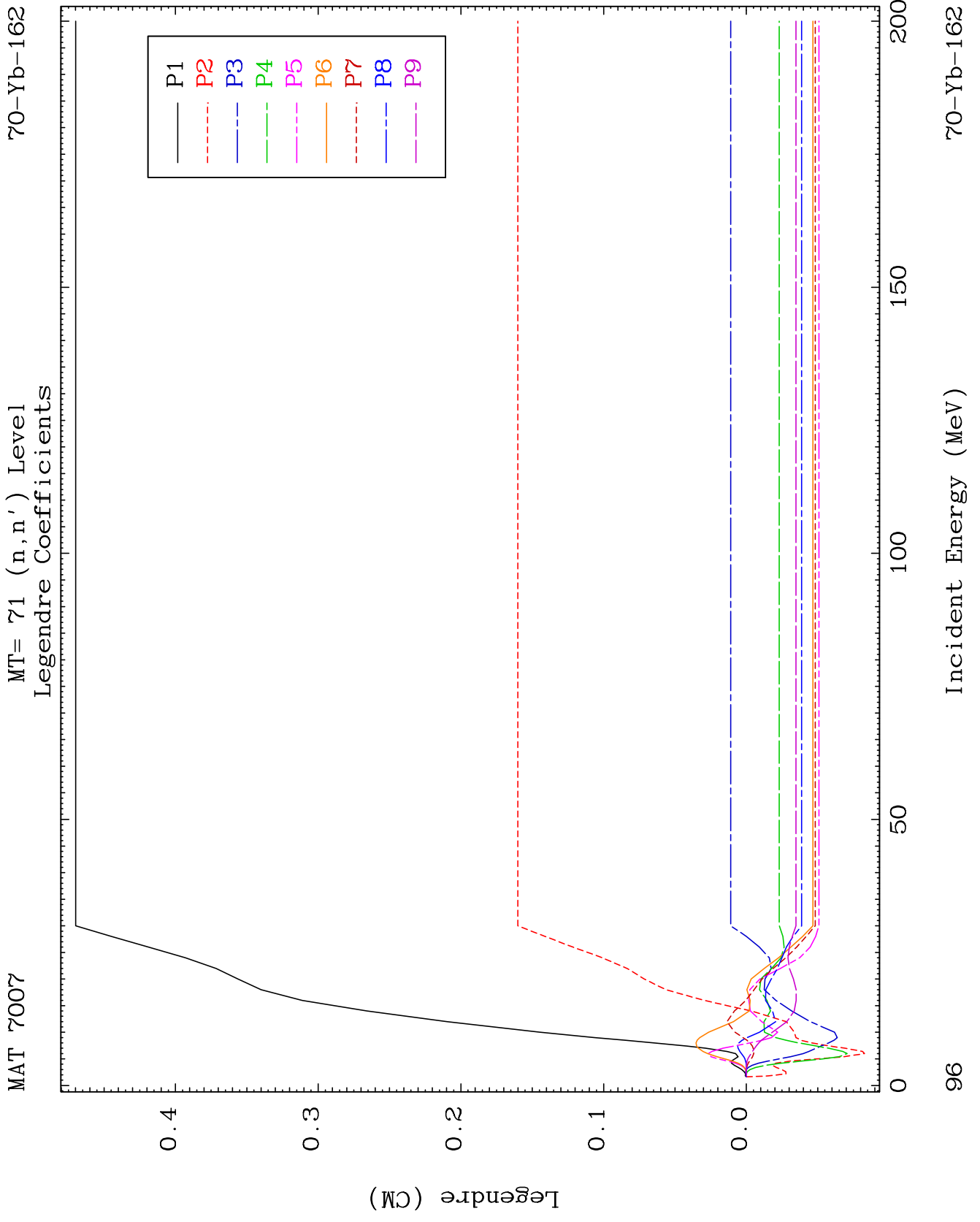


94

70-Yb-162



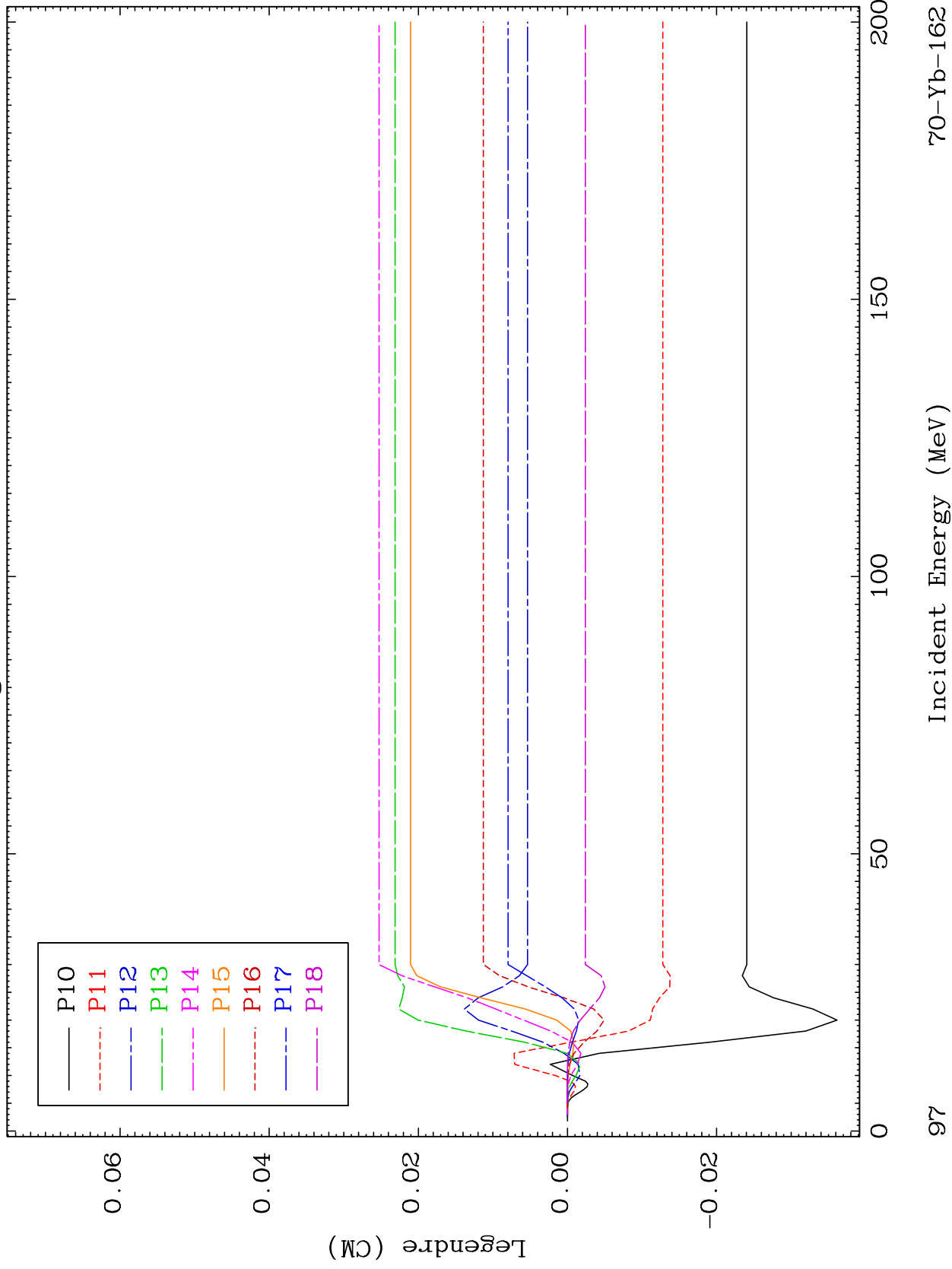


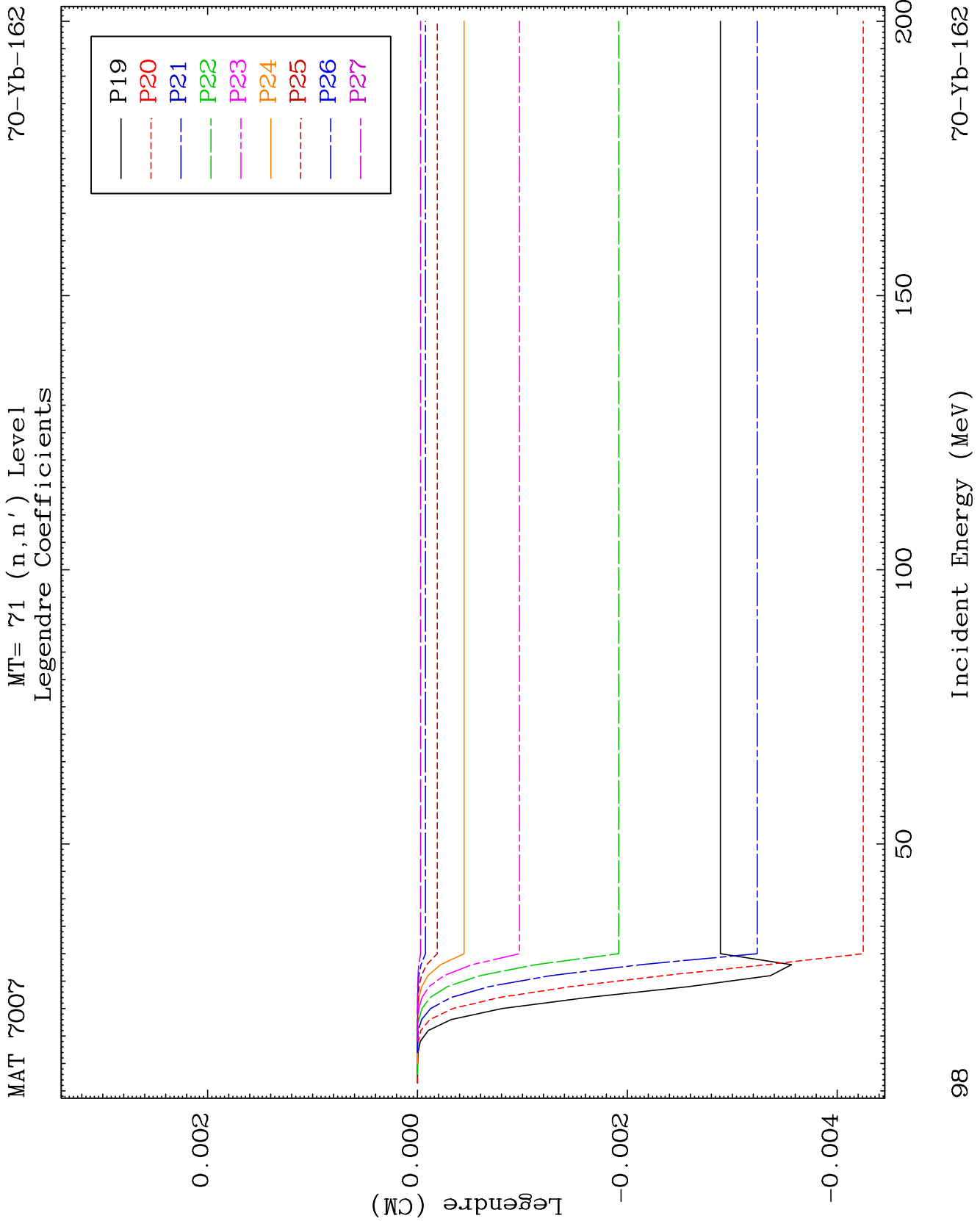


MAT 7007

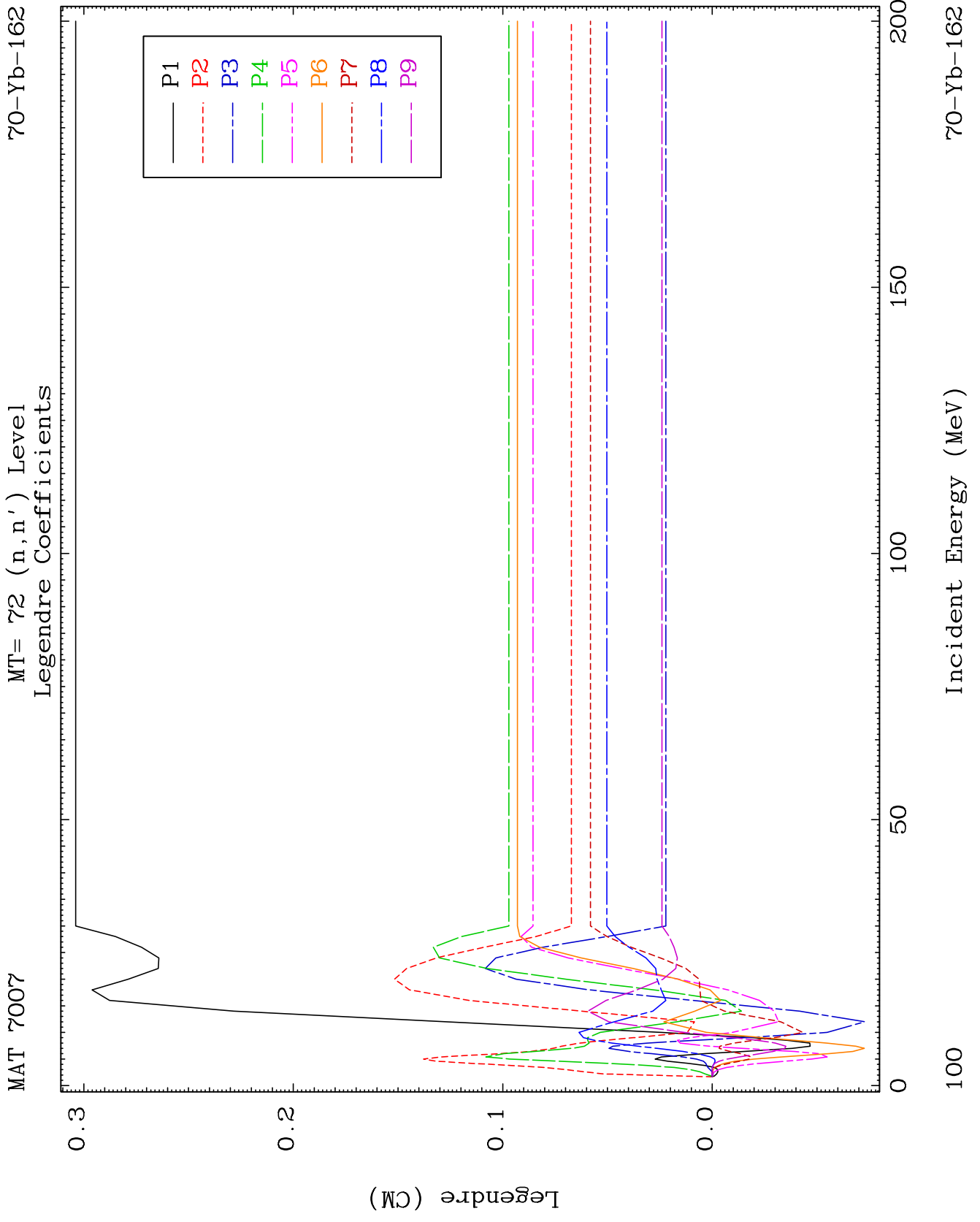
MT= 71 (n,n') Level  
Legendre Coefficients

70-Yb-162





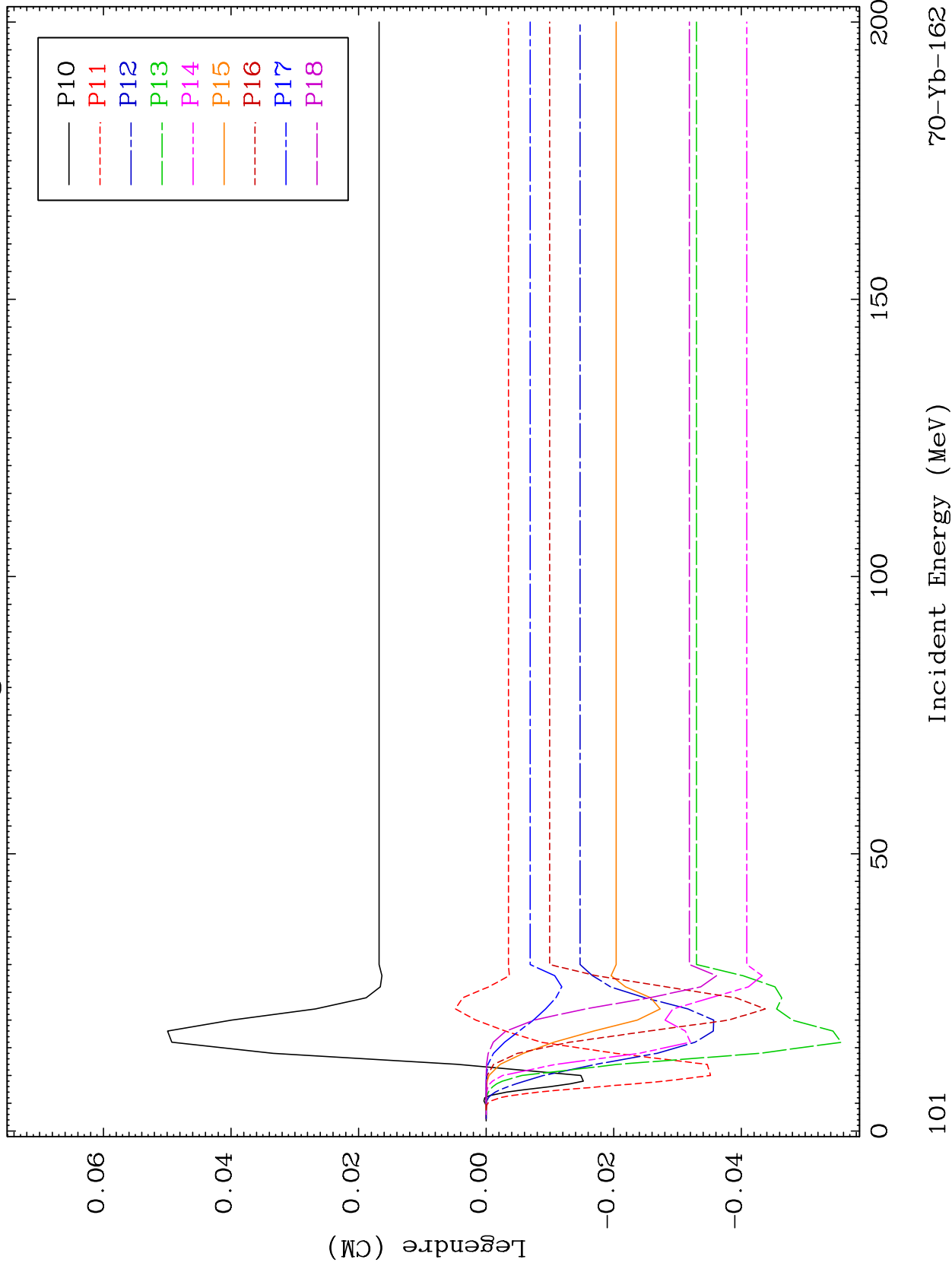




MAT 7007

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

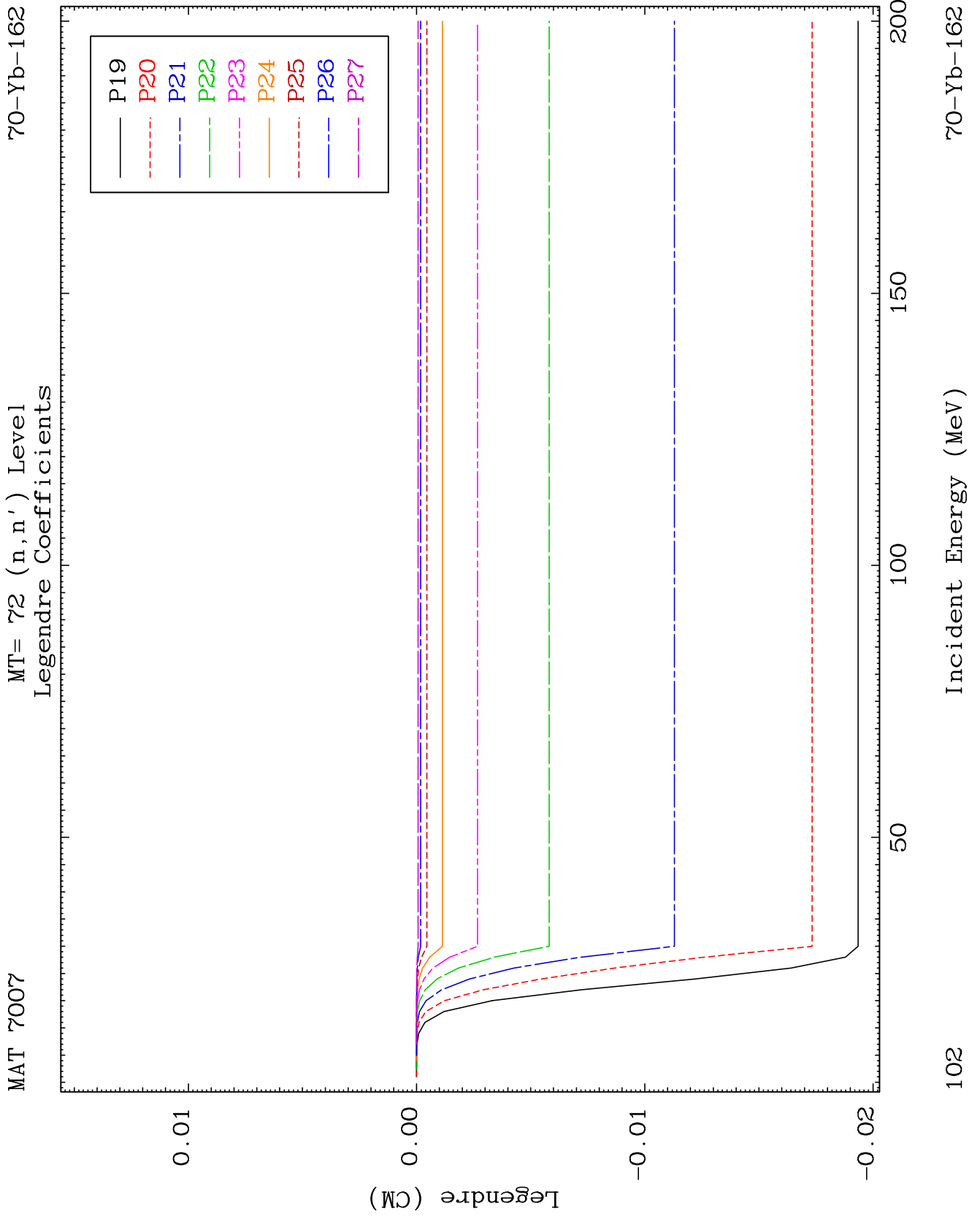
70-Yb-162

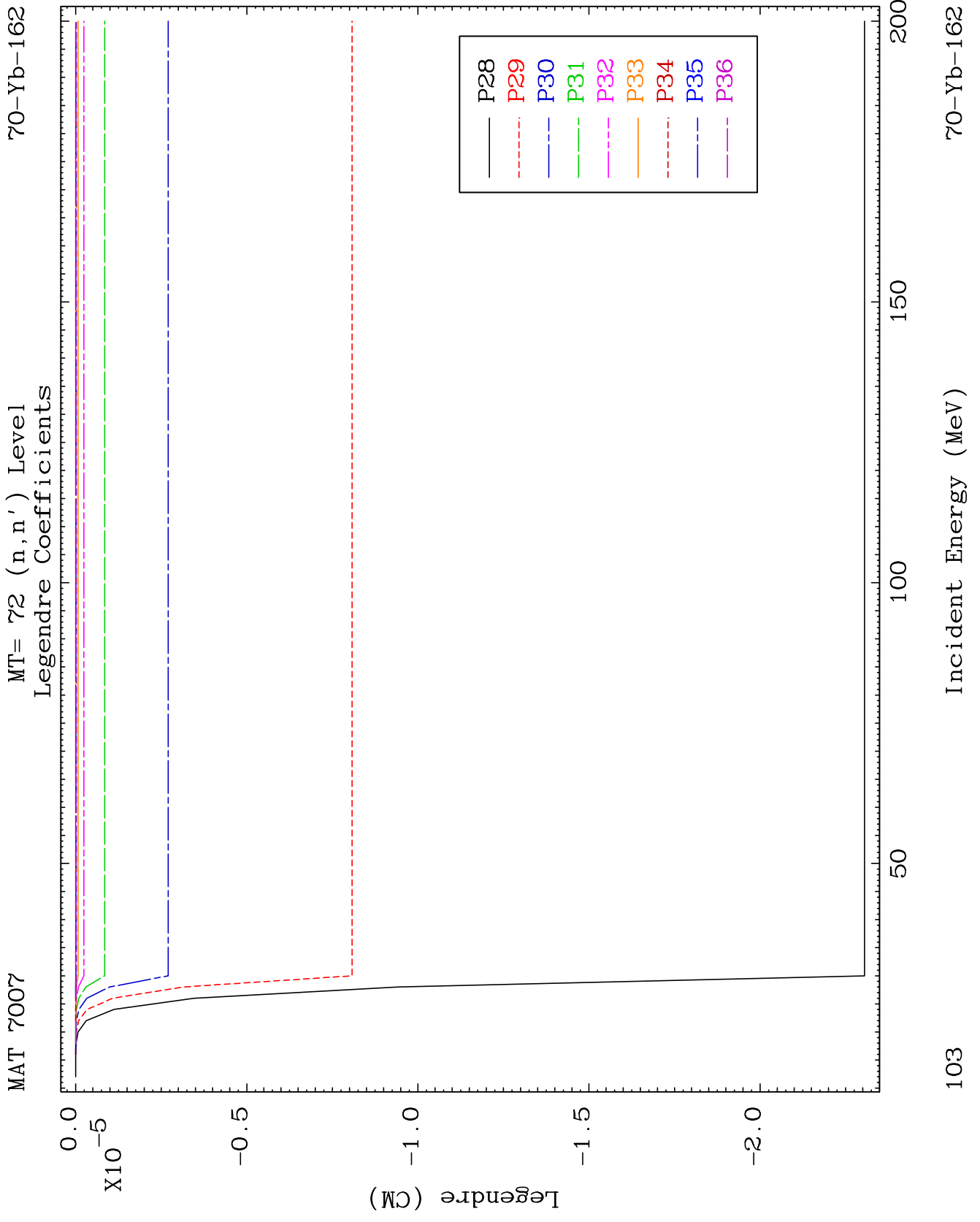


70-Yb-162

Incident Energy (MeV)

101



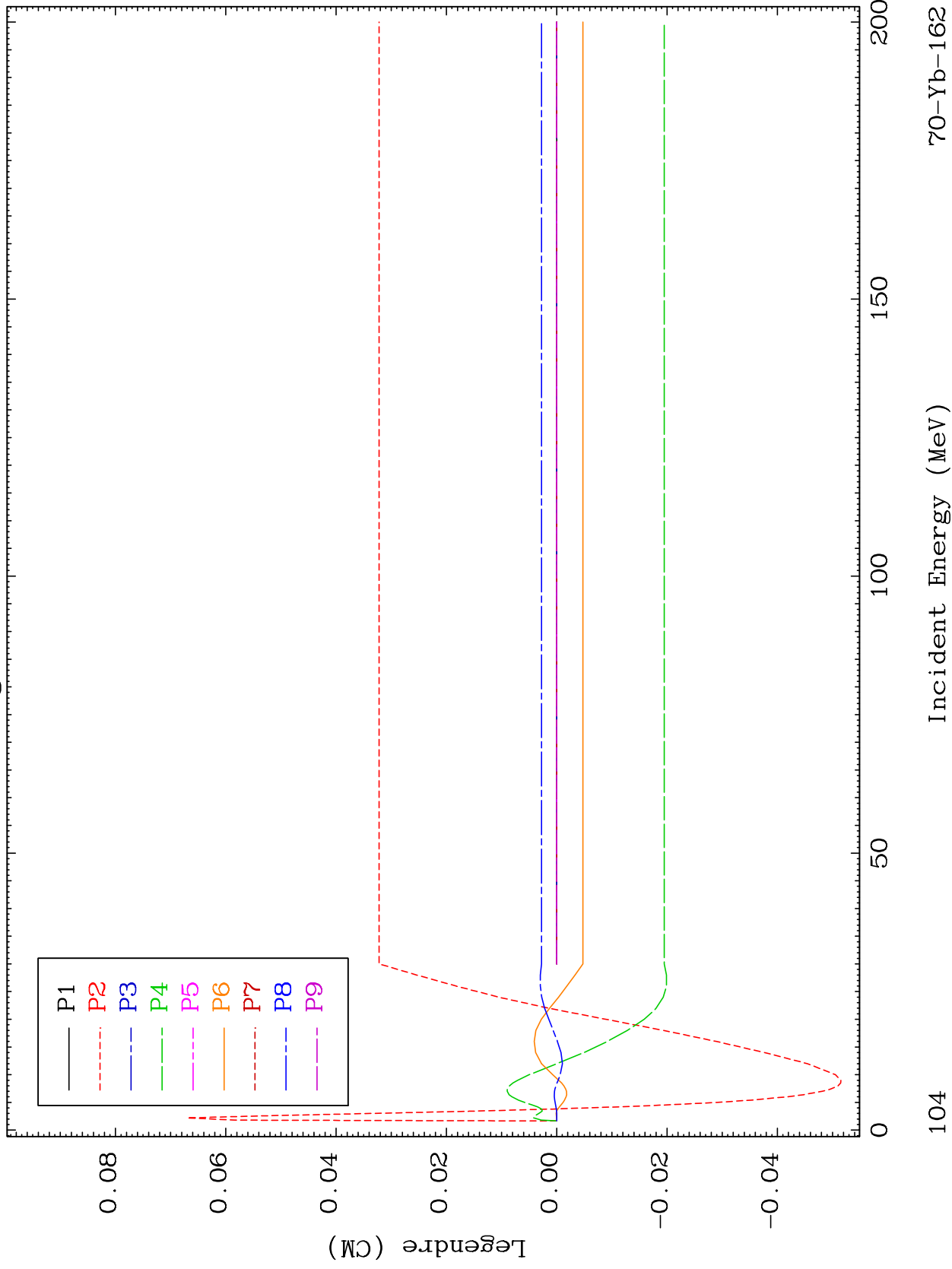




MAT 7007

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

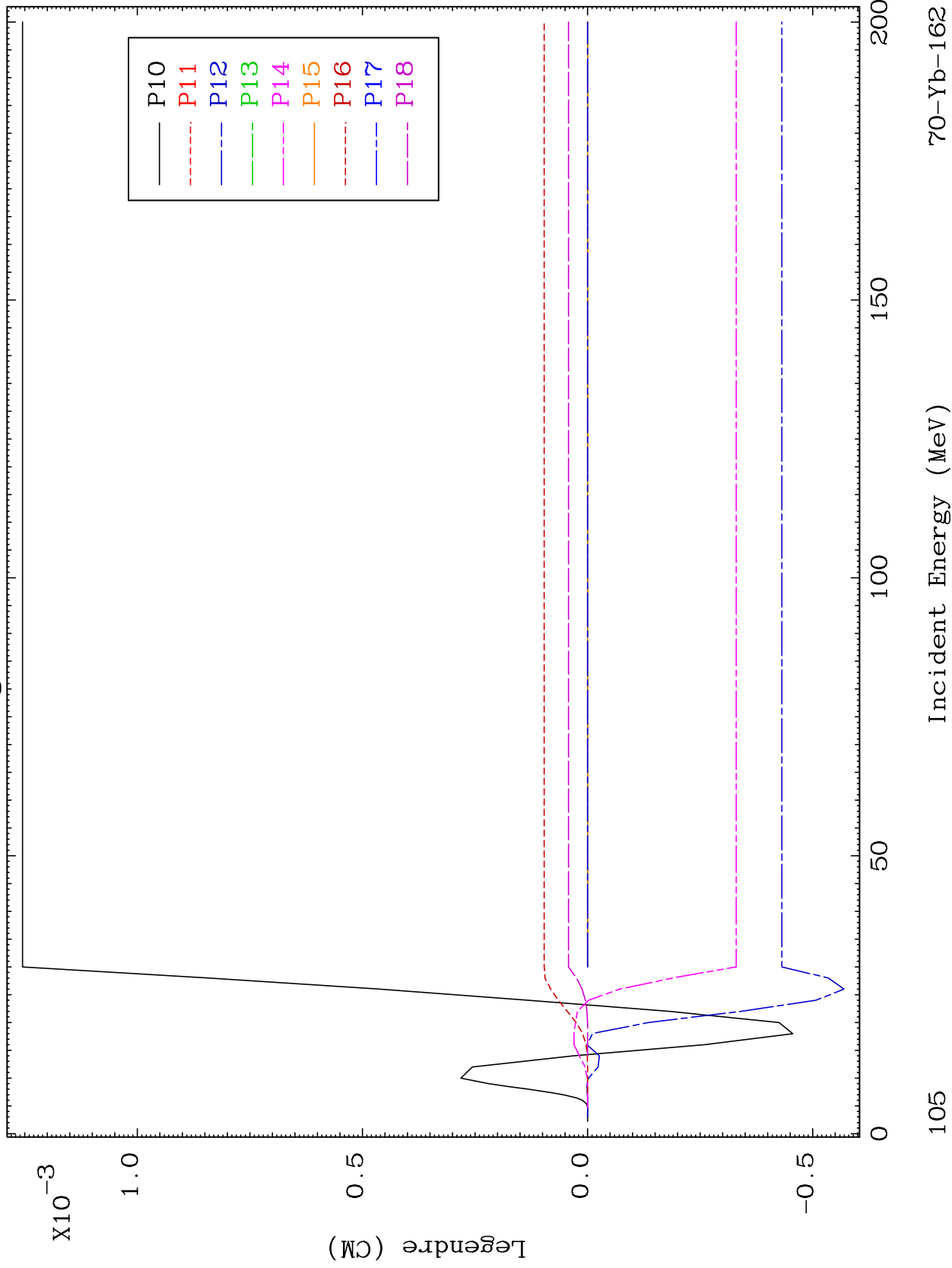
70-Yb-162



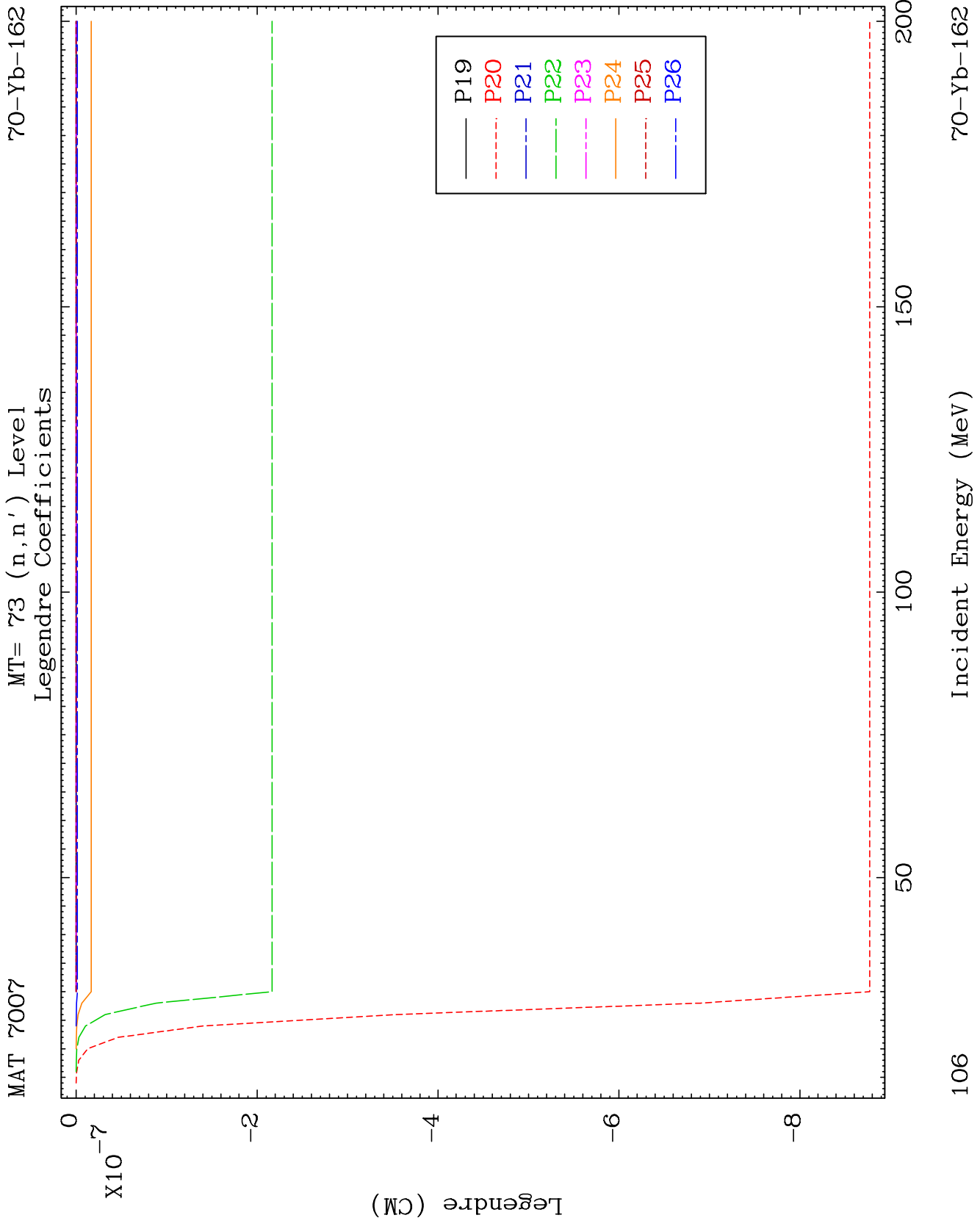
MAT 7007

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

70-Yb-162



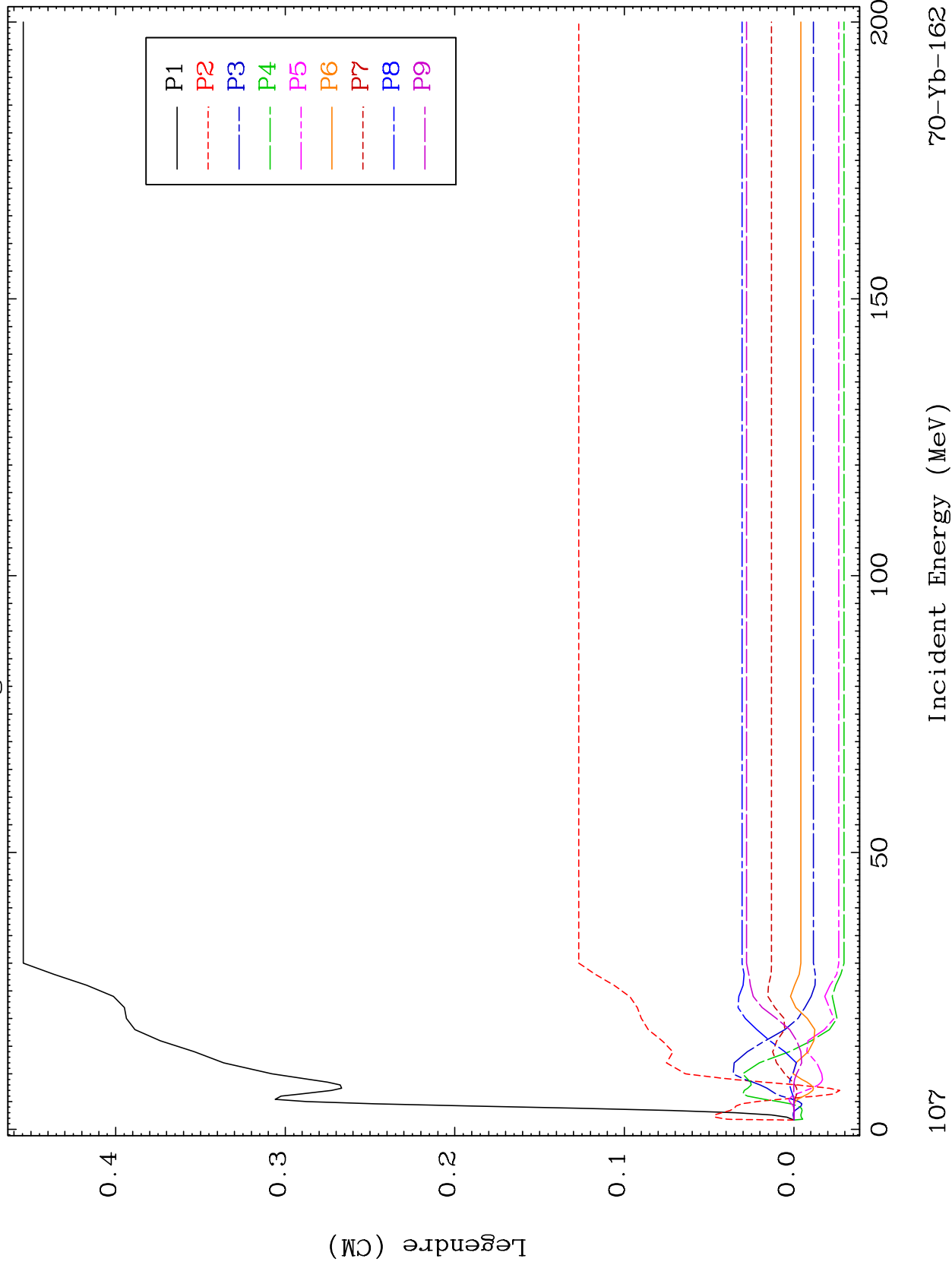
70-Yb-162



MAT 7007

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

70-Yb-162



70-Yb-162

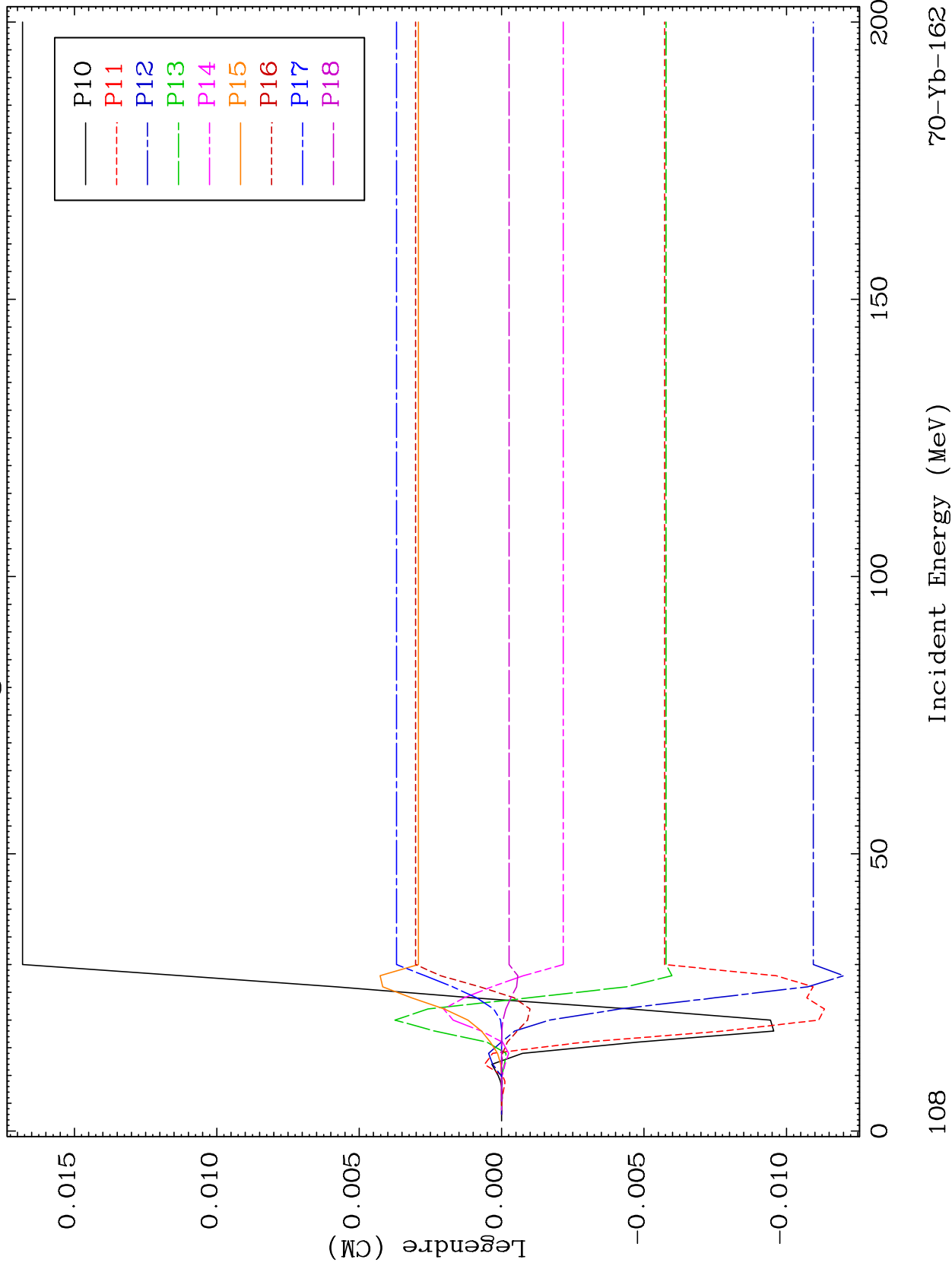
Incident Energy (MeV)

107

MAT 7007

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

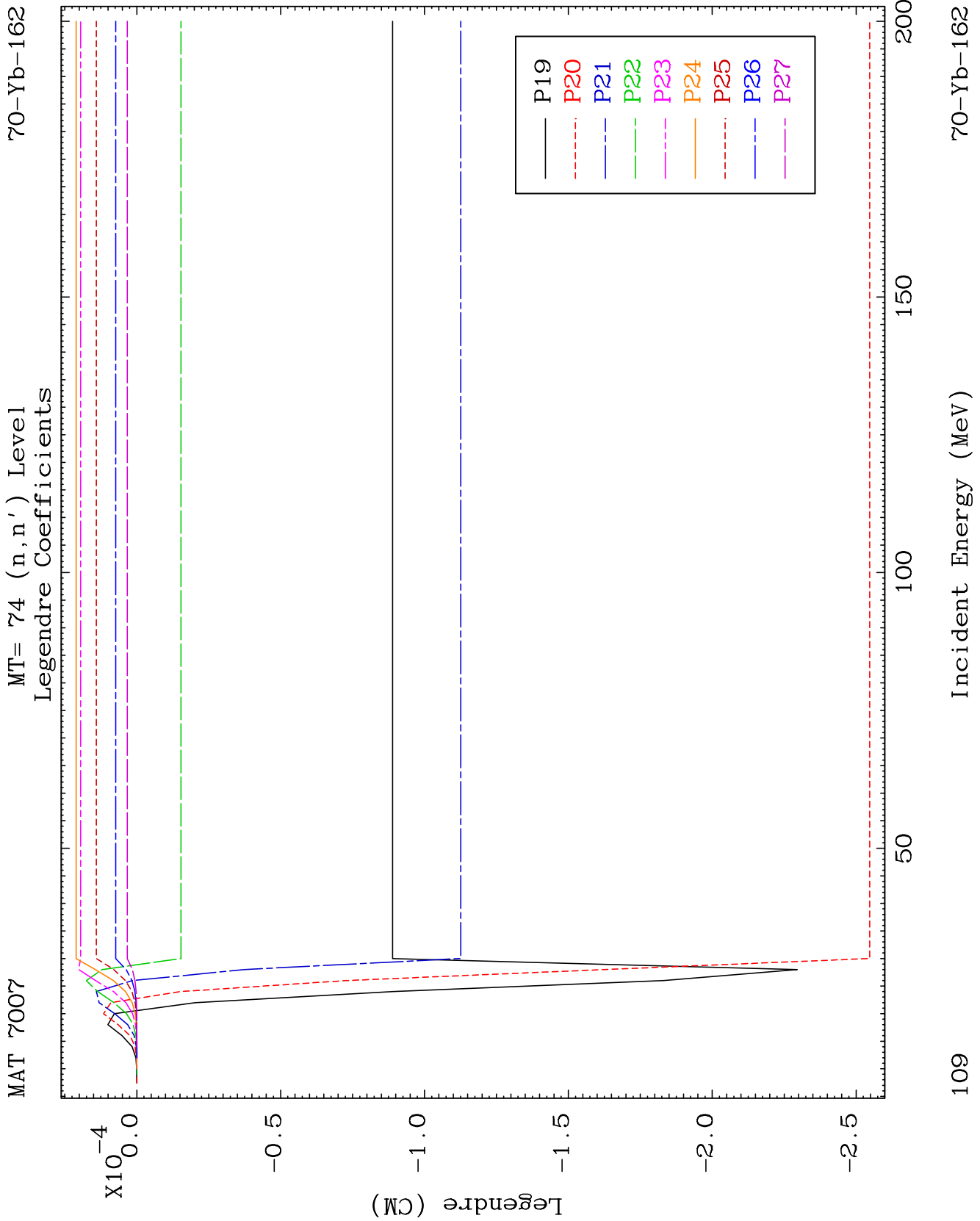
70-Yb-162



108

Incident Energy (MeV)

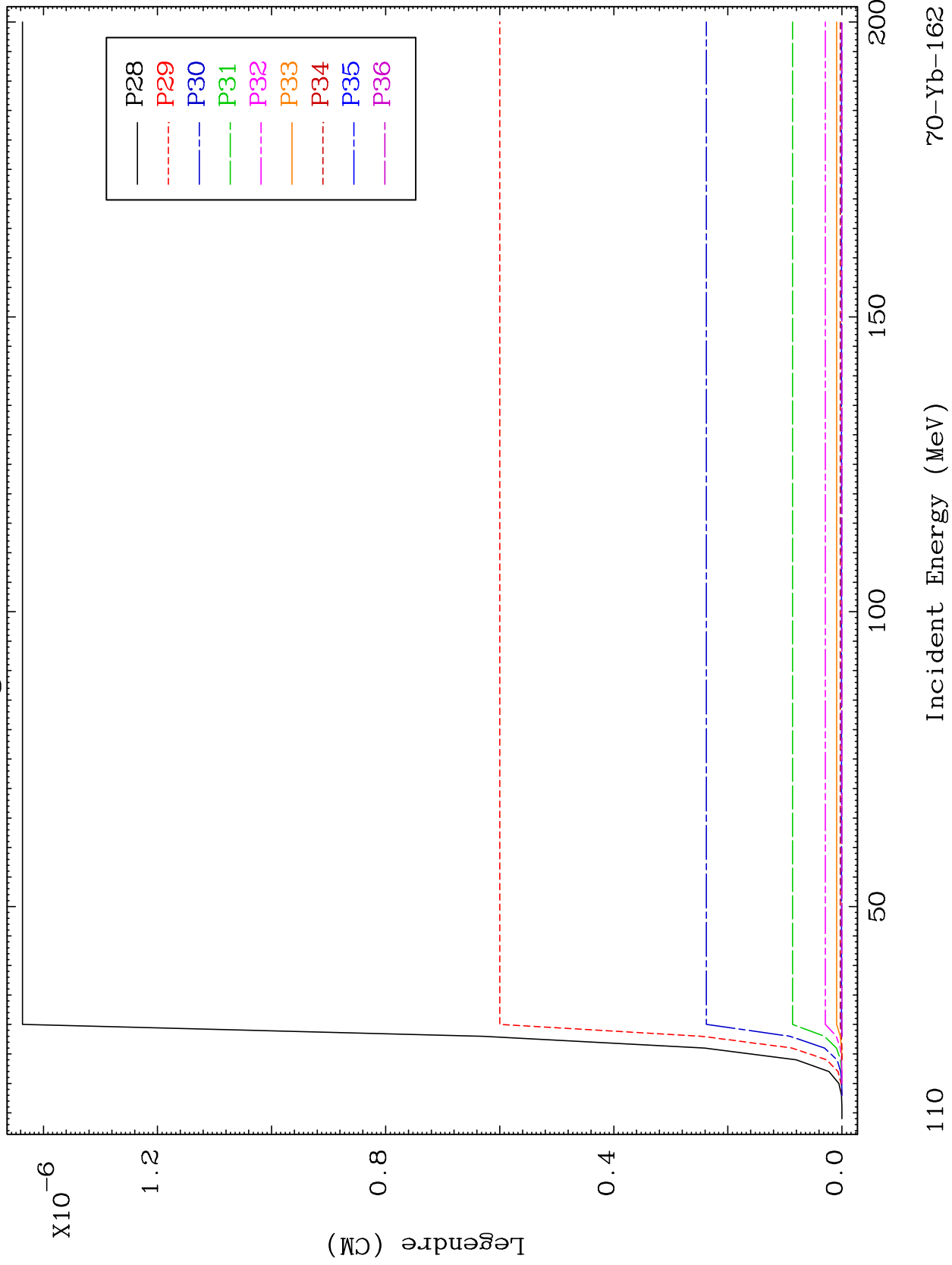
70-Yb-162

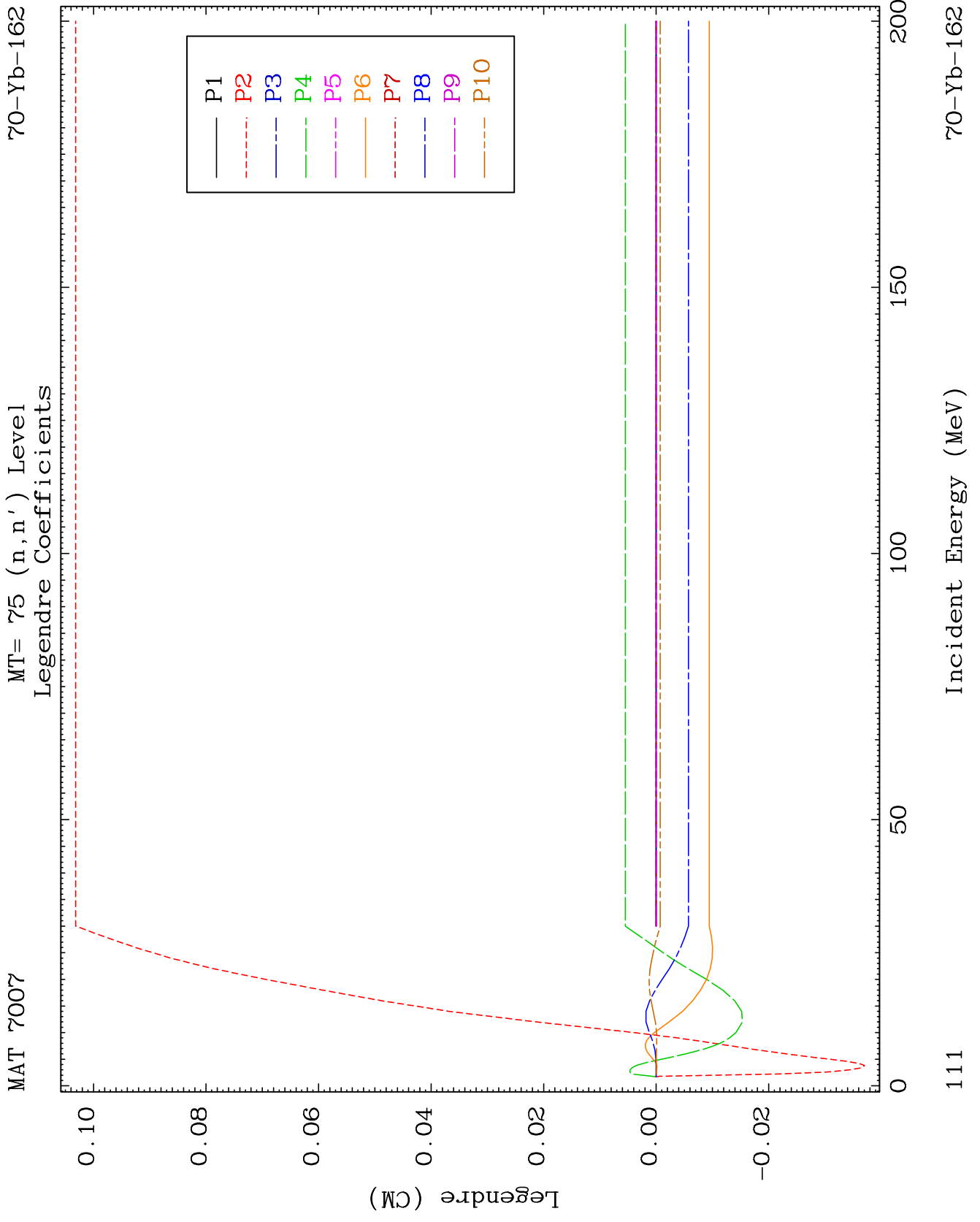


MAT 7007

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

70-Yb-162



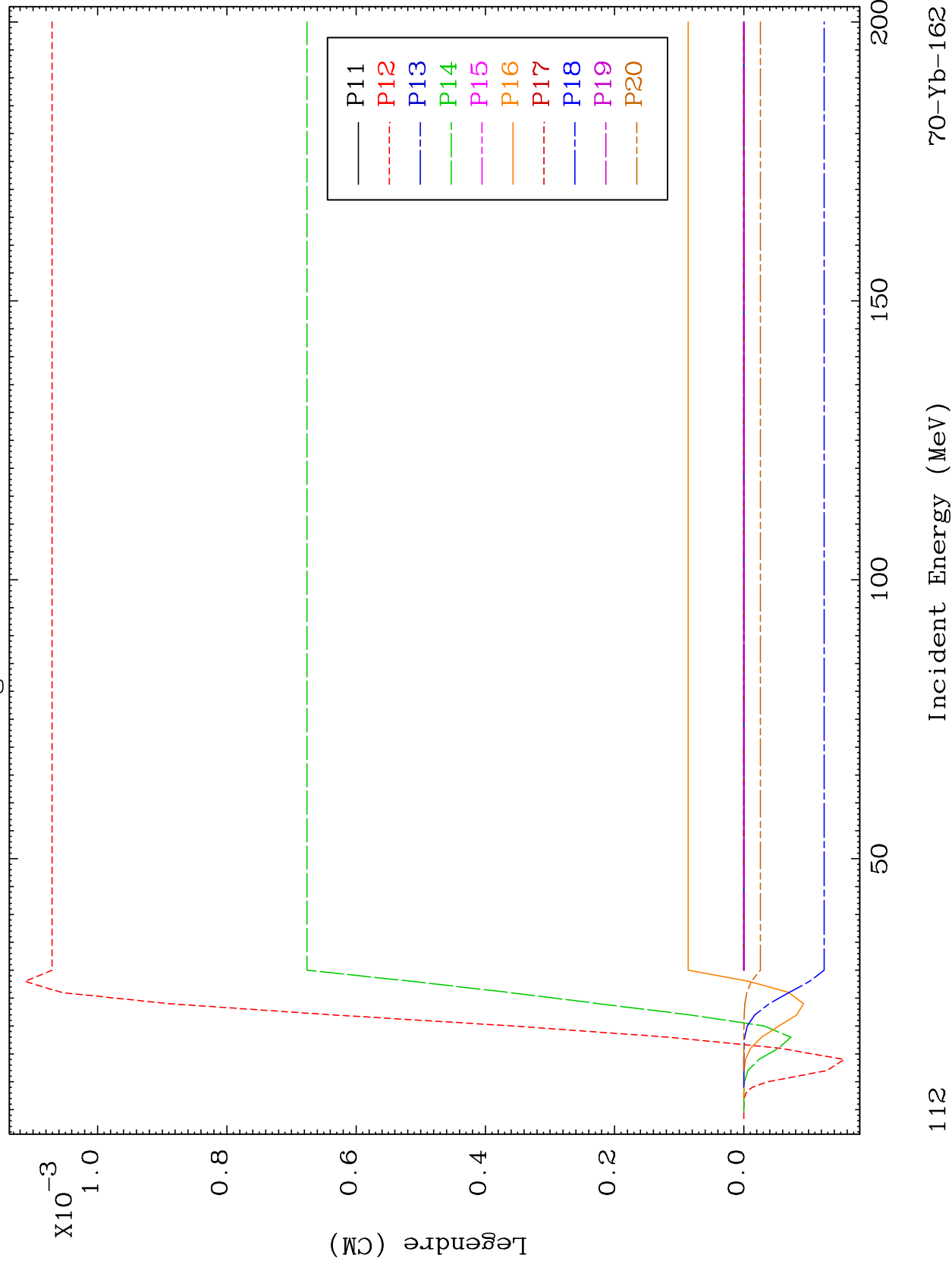




MAT 7007

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

70-Yb-162

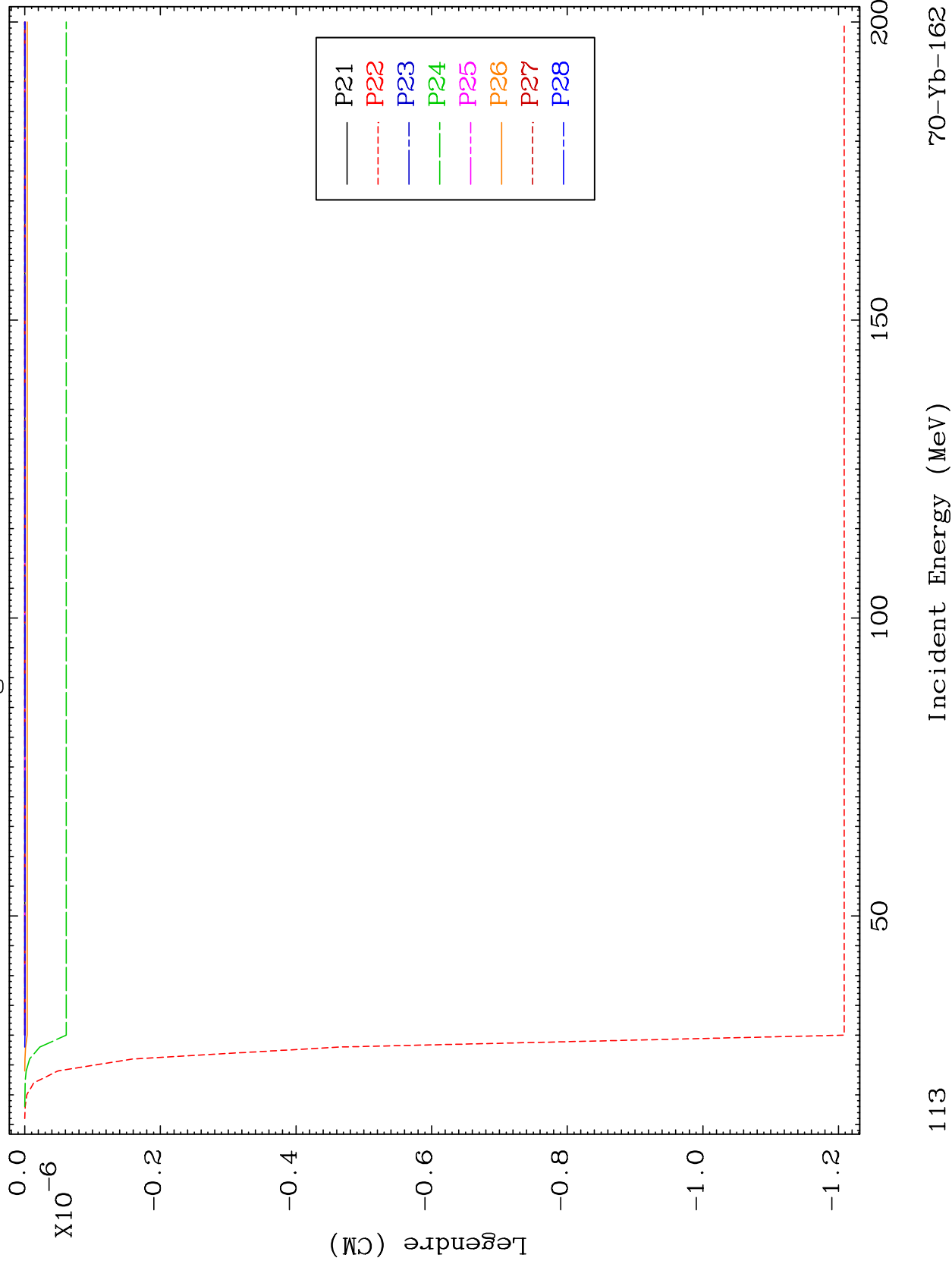


112

MAT 7007

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

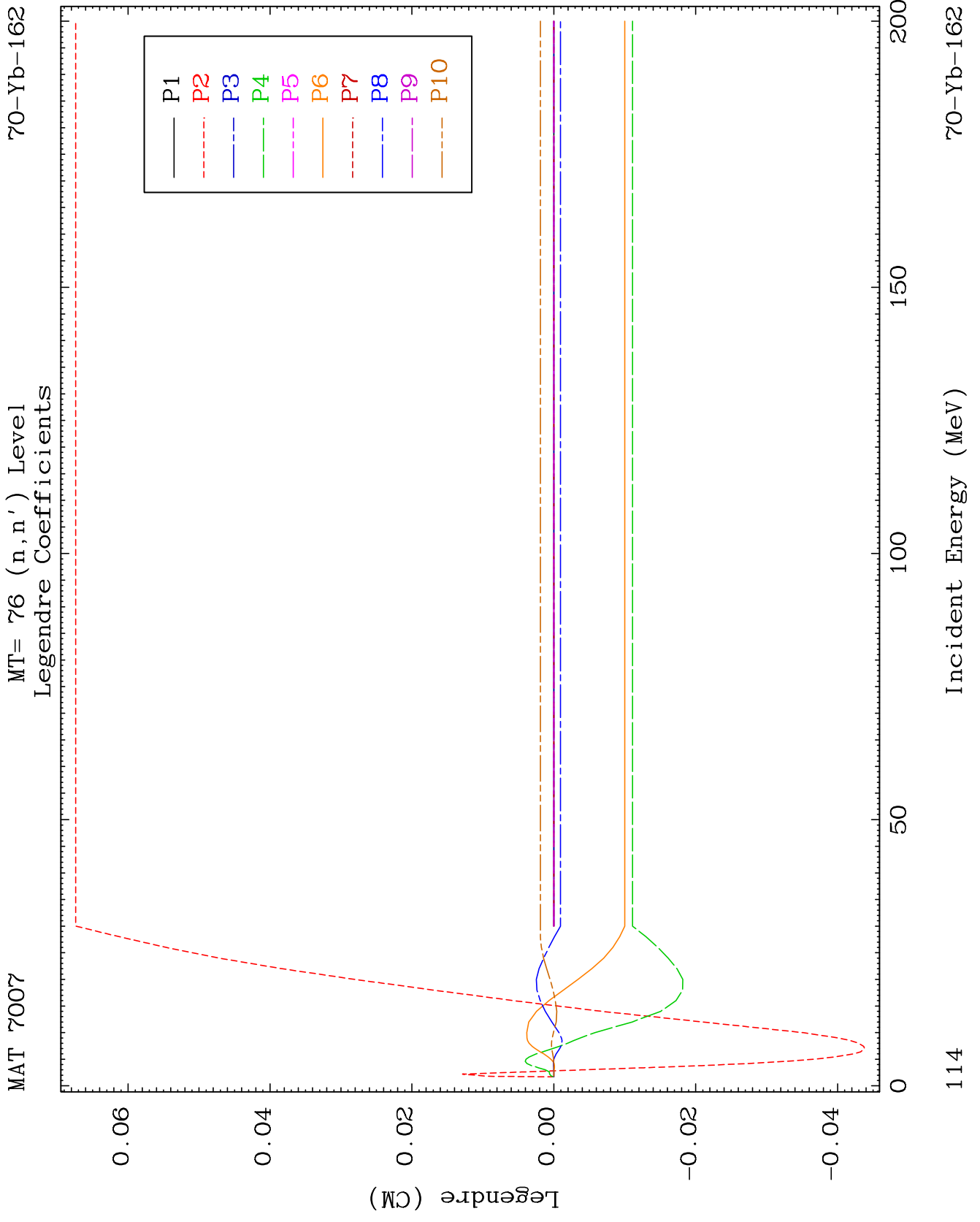
70-Yb-162

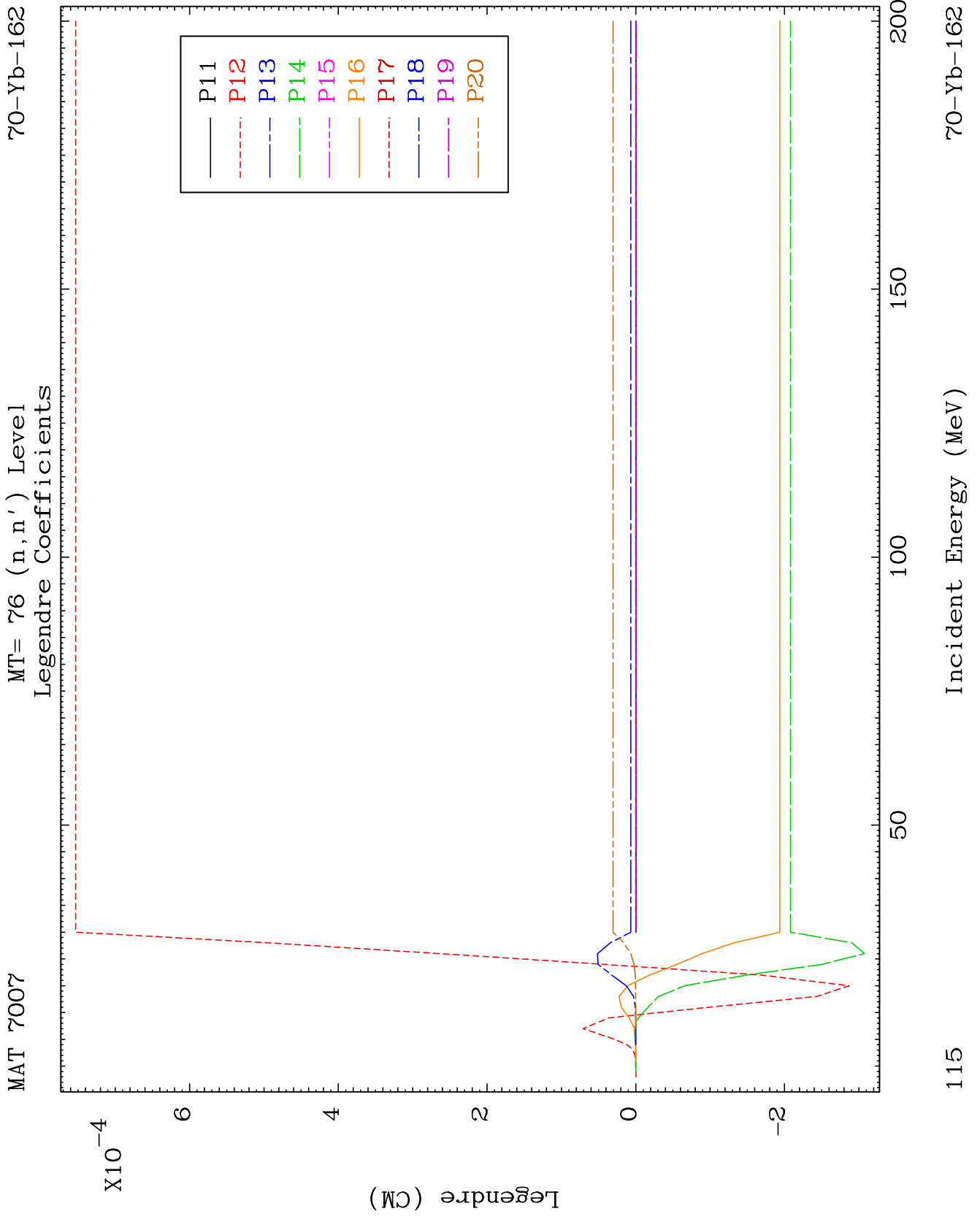


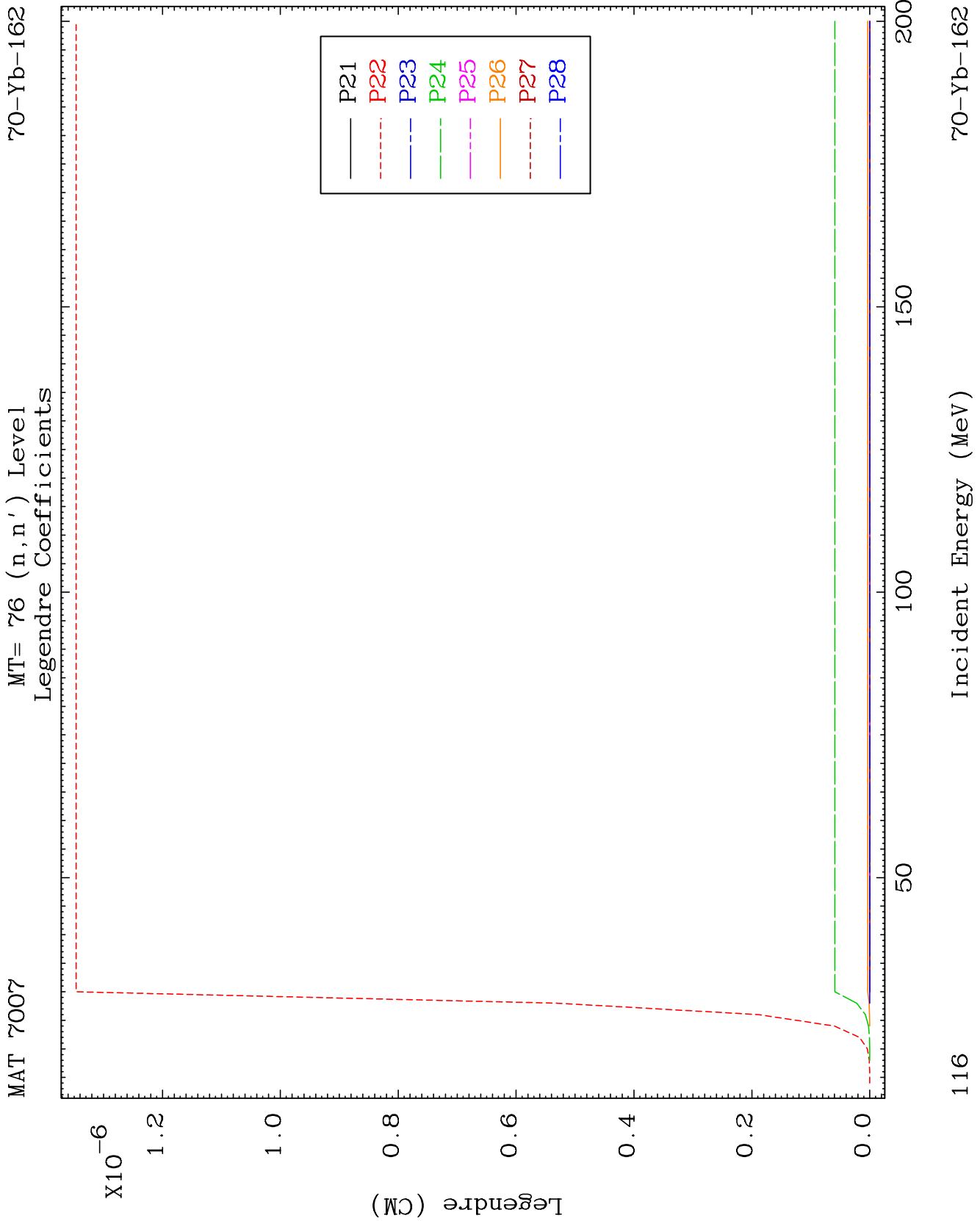
113

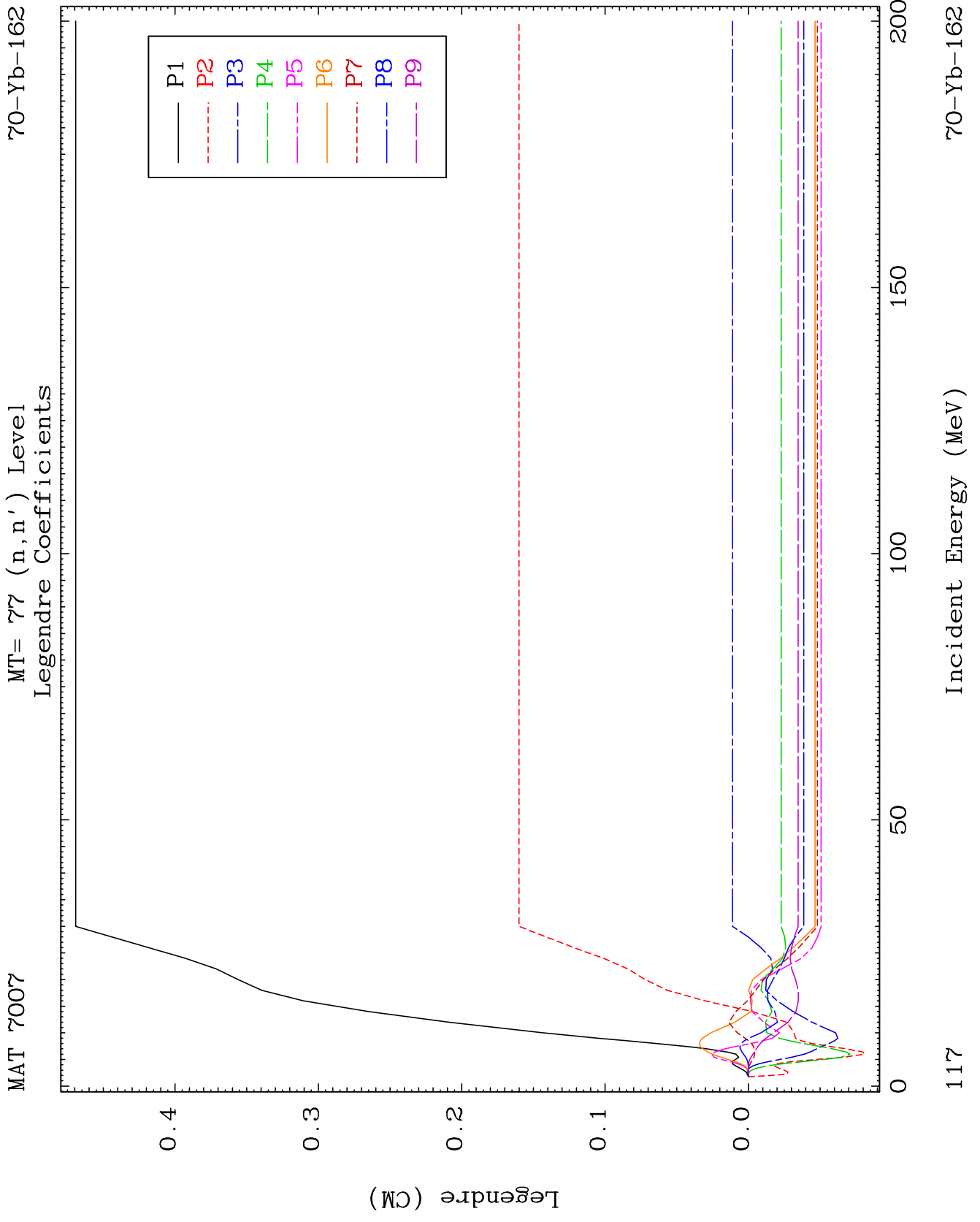
Incident Energy (MeV)

70-Yb-162





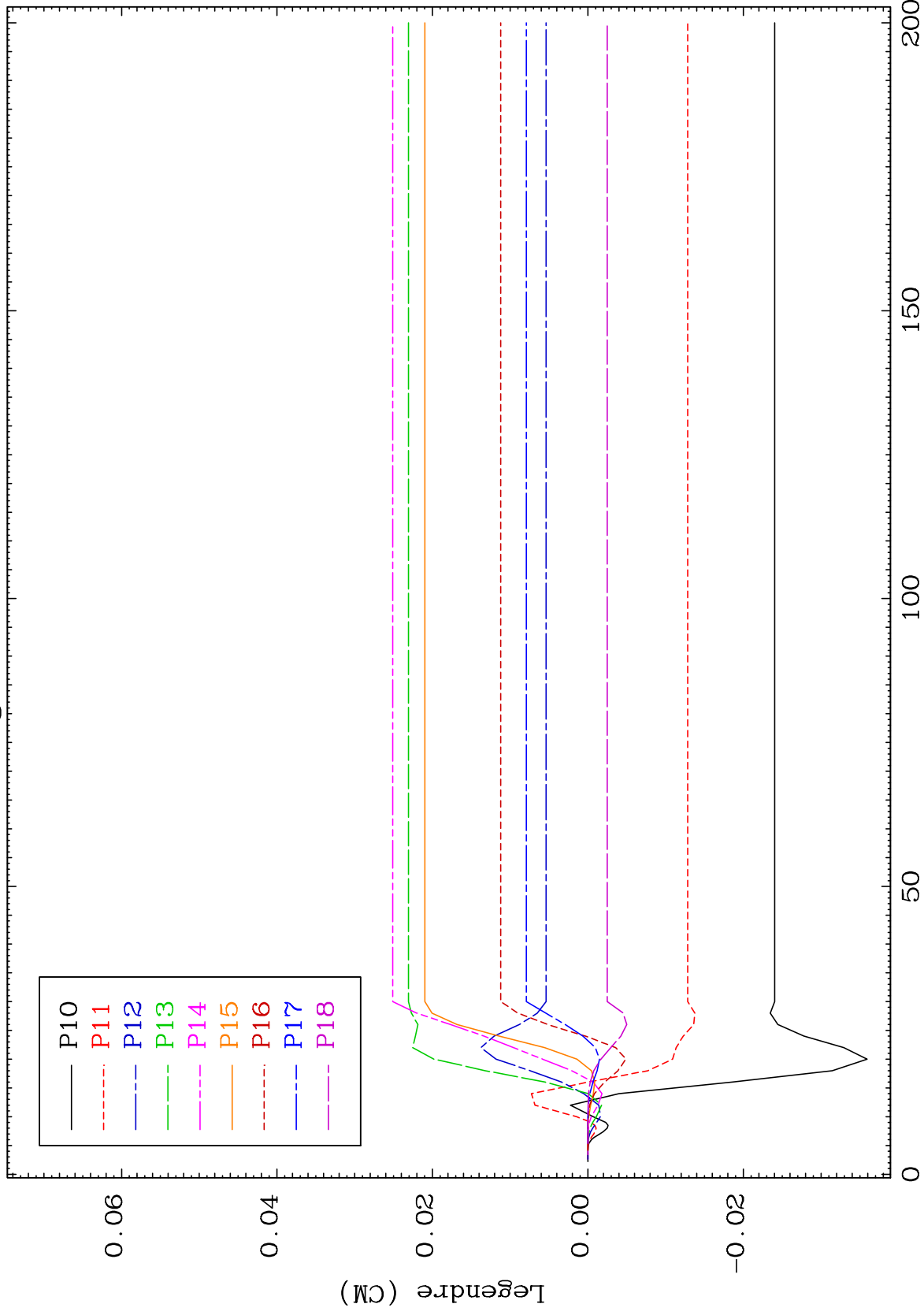




MAT 7007

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

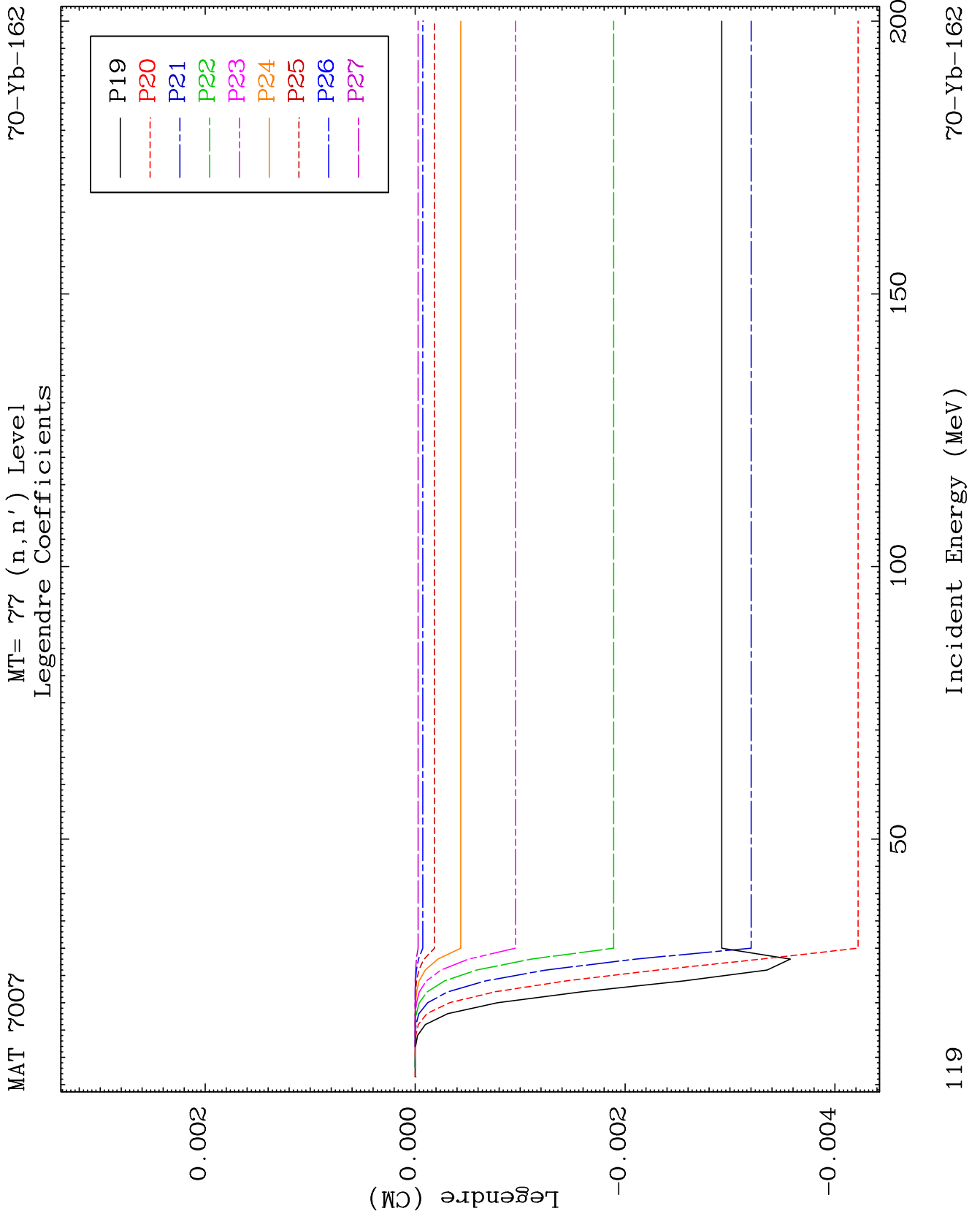
70-Yb-162



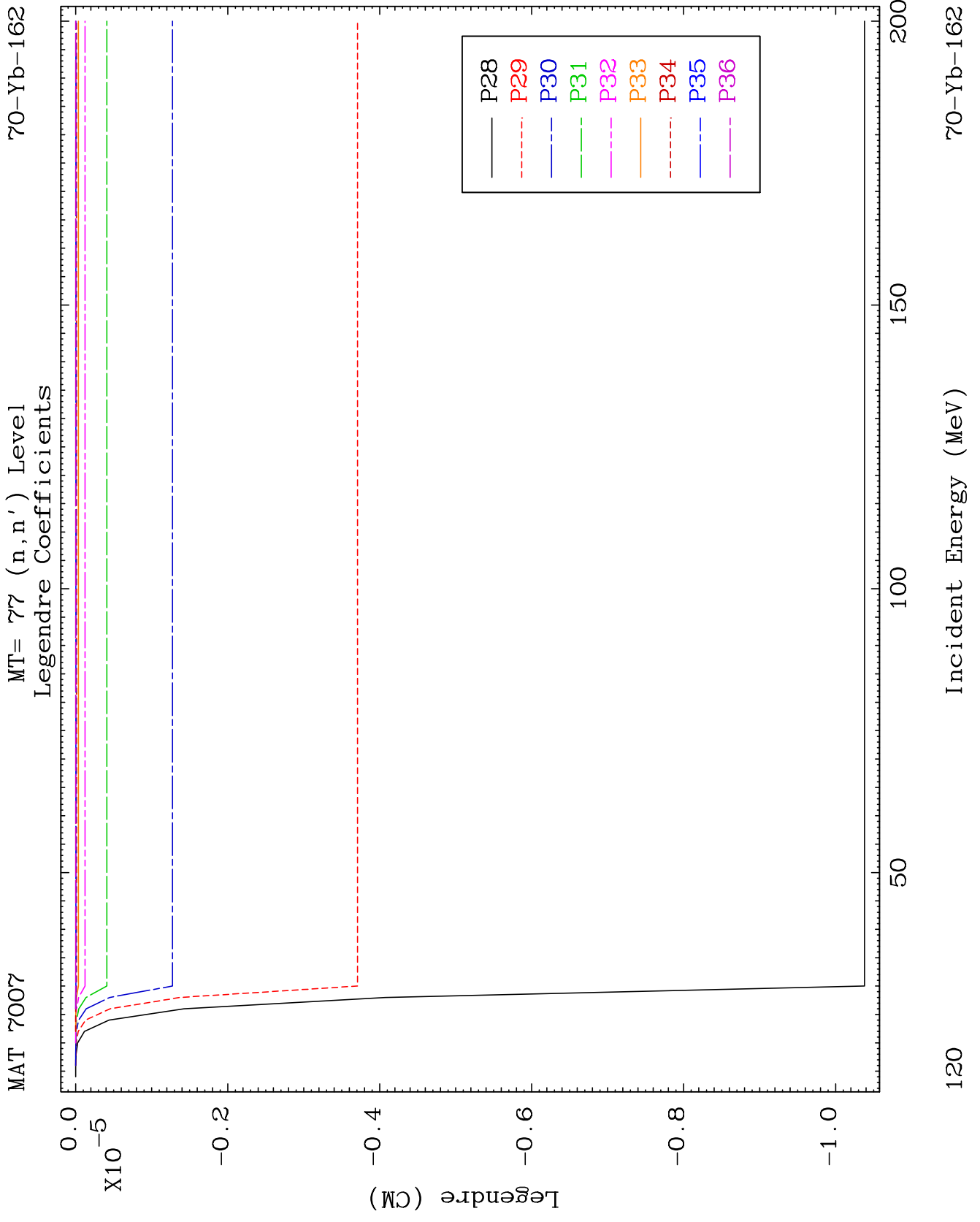
118

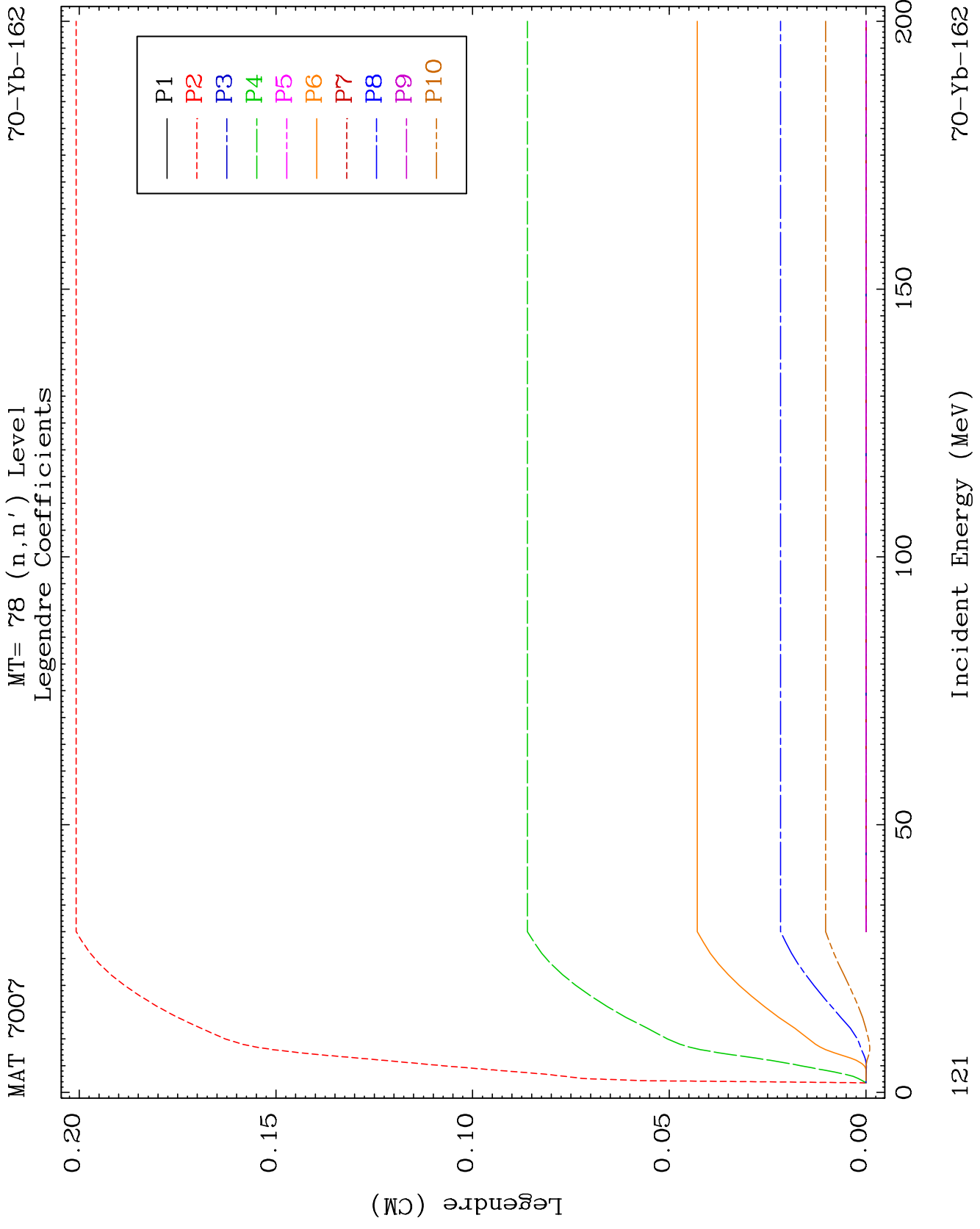
Incident Energy (MeV)

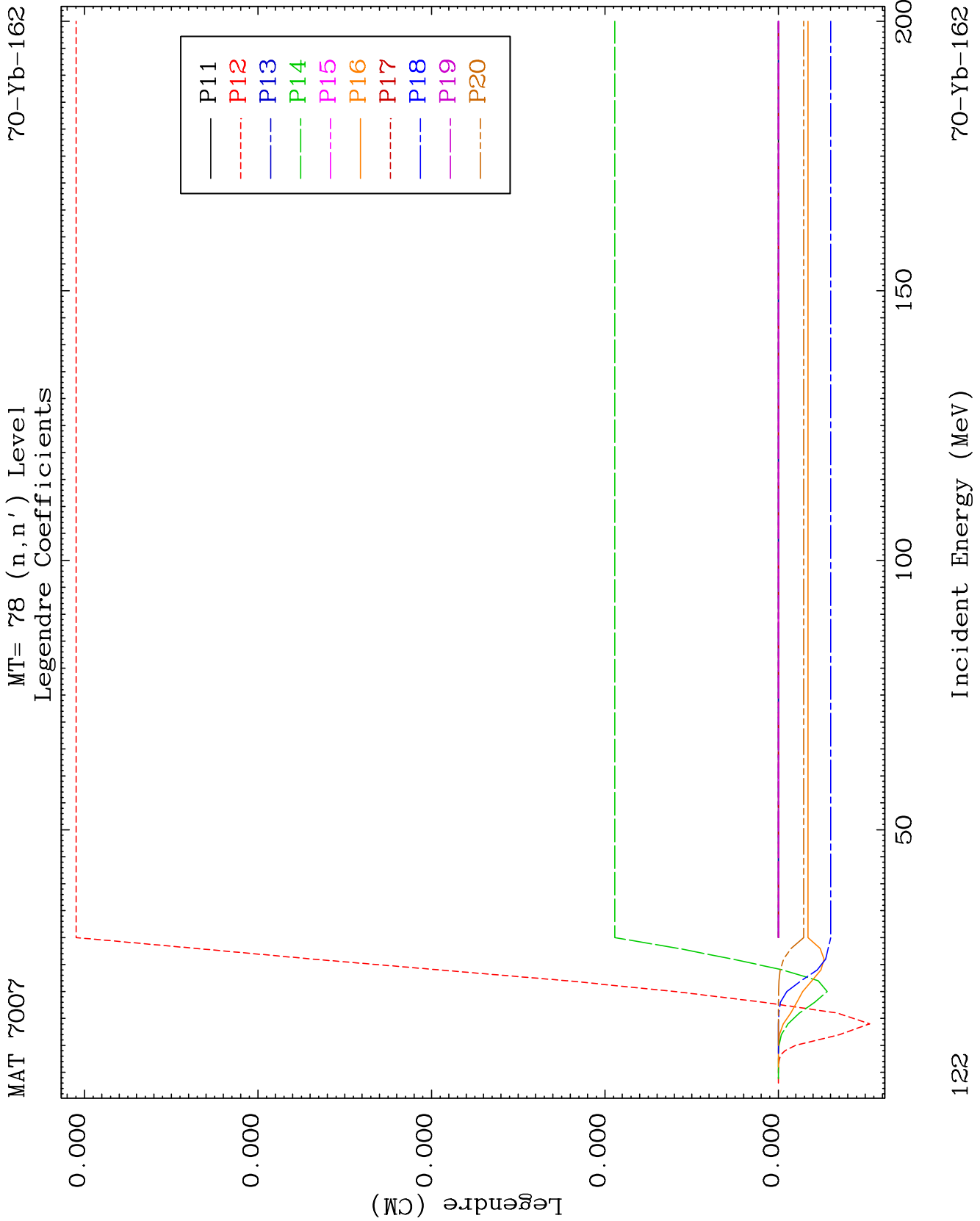
70-Yb-162

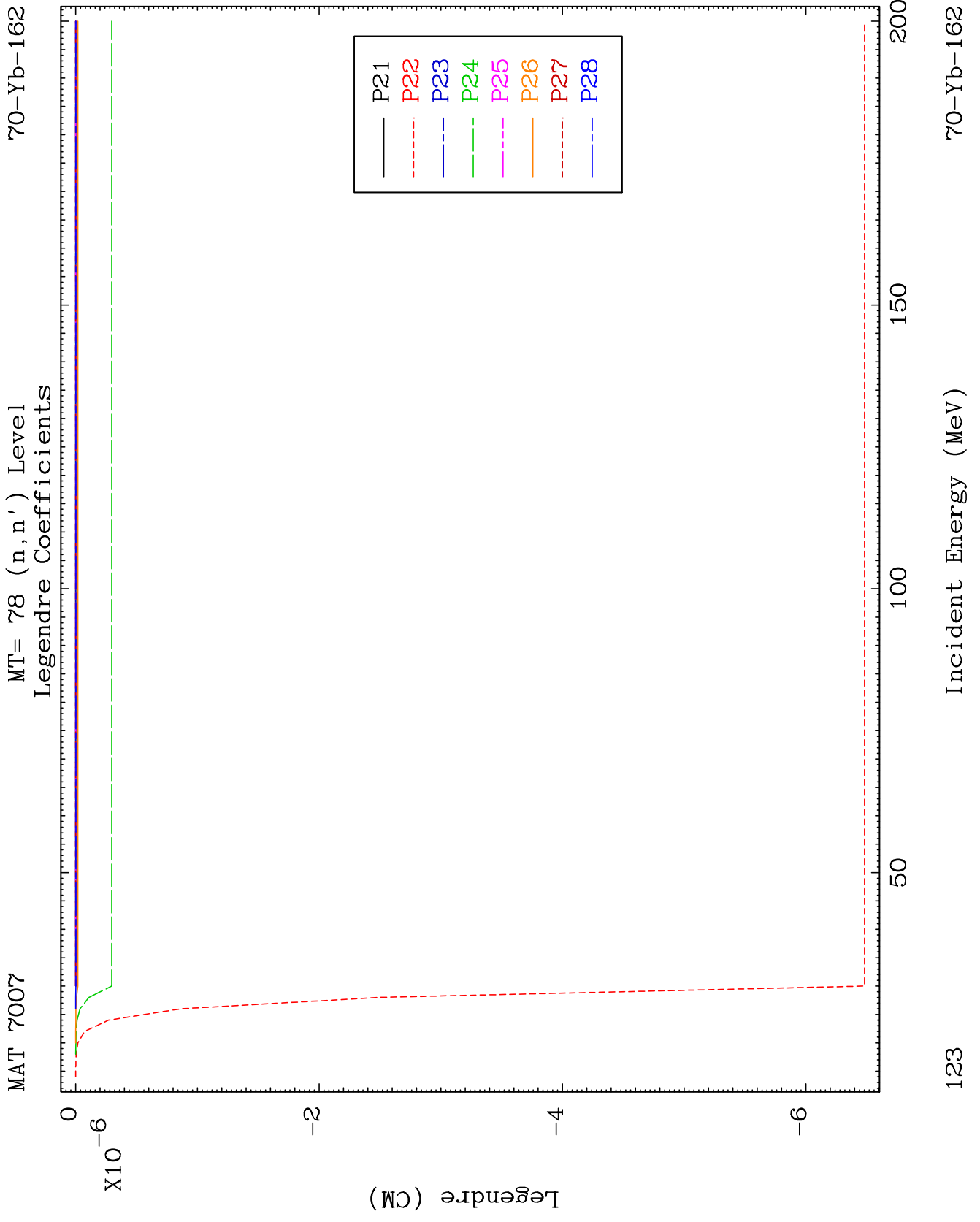


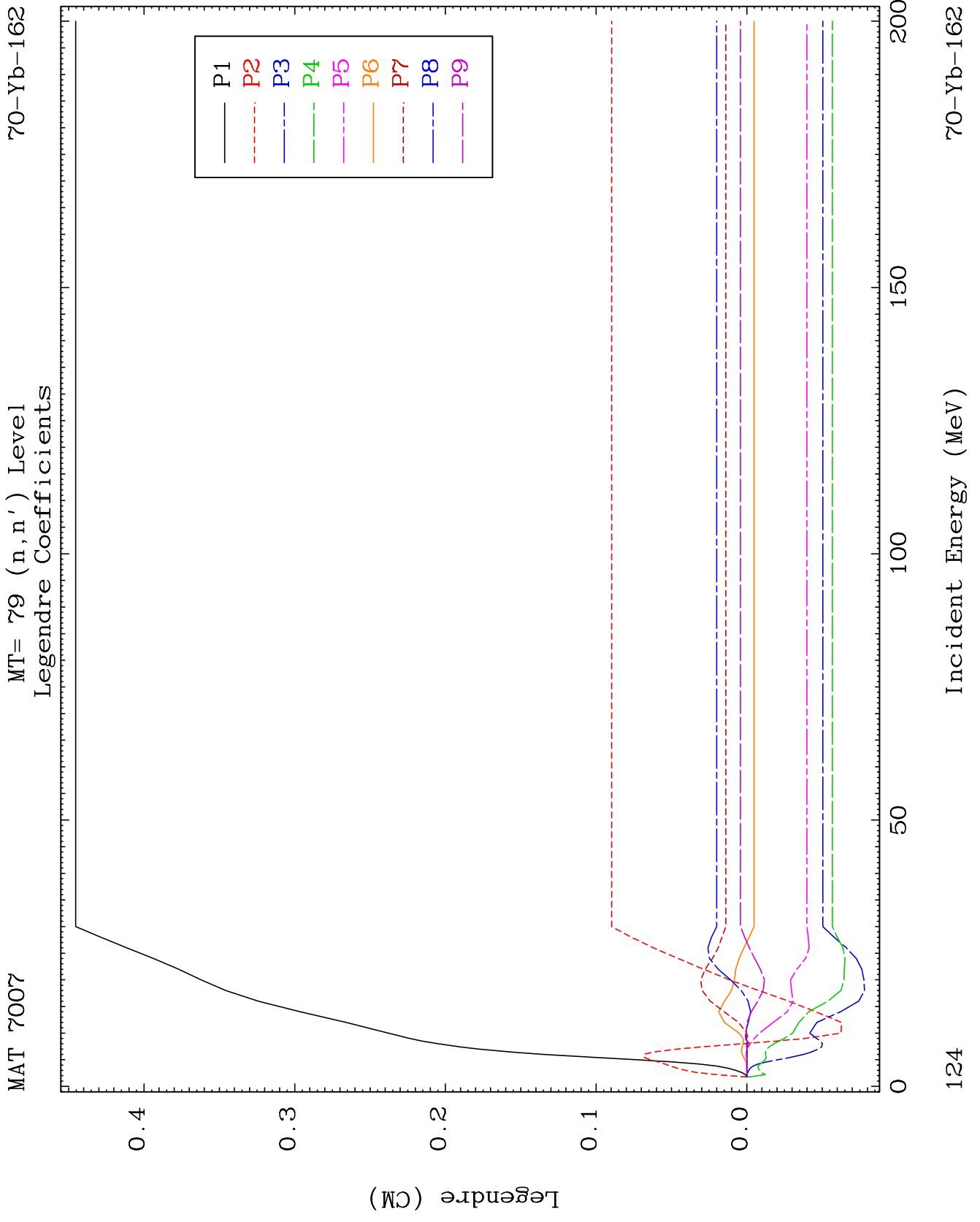








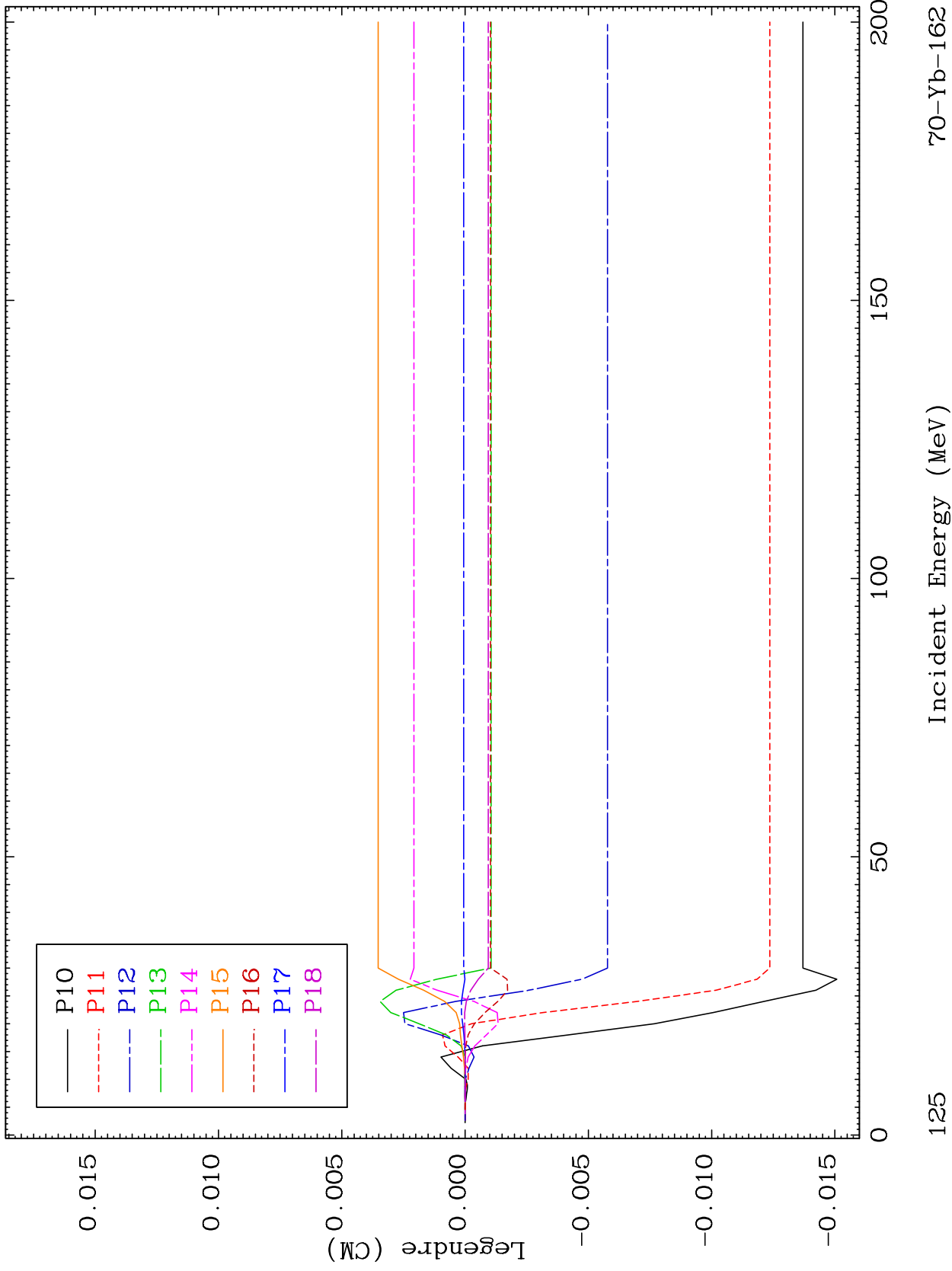




MAT 7007

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

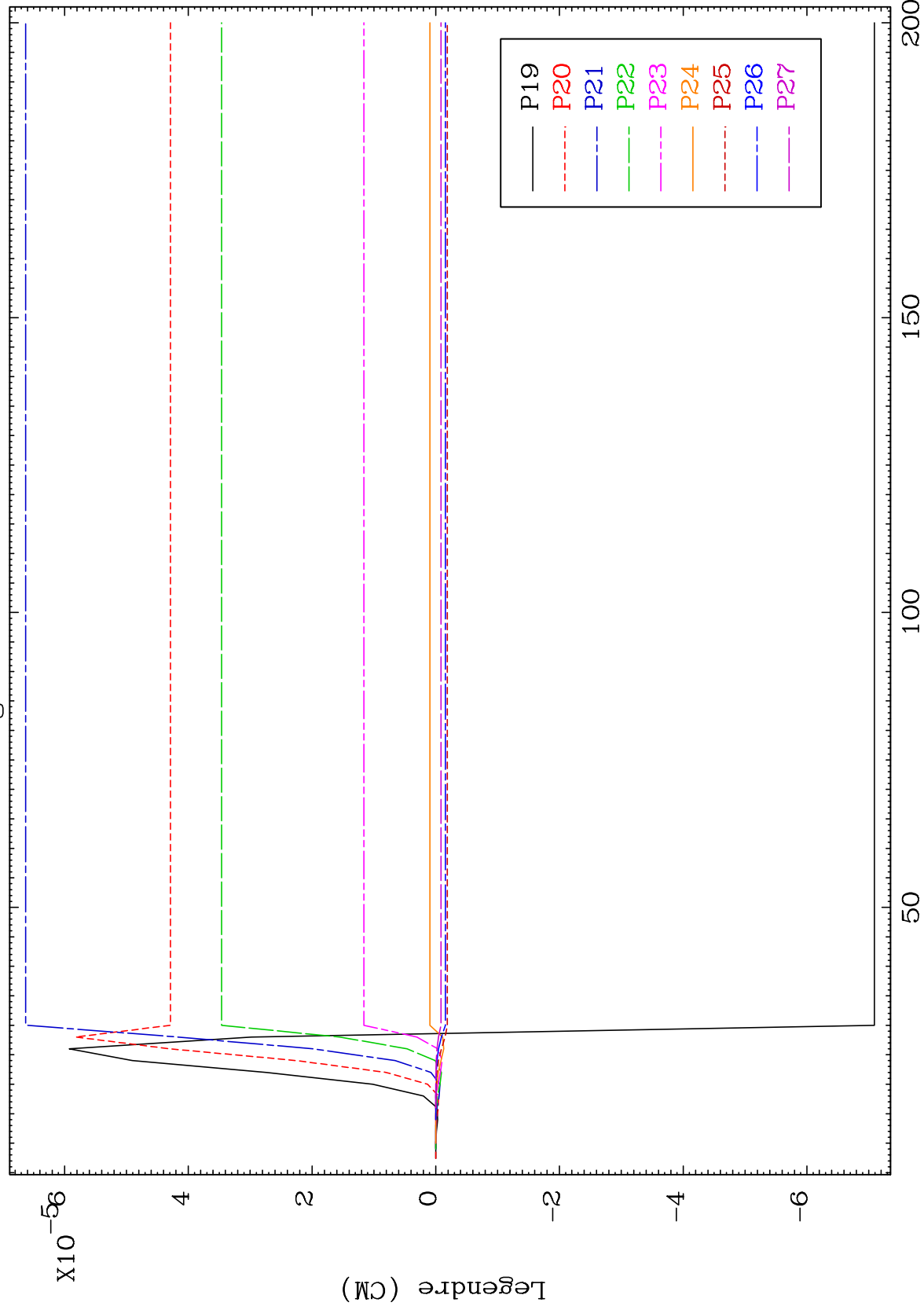
70-Yb-162

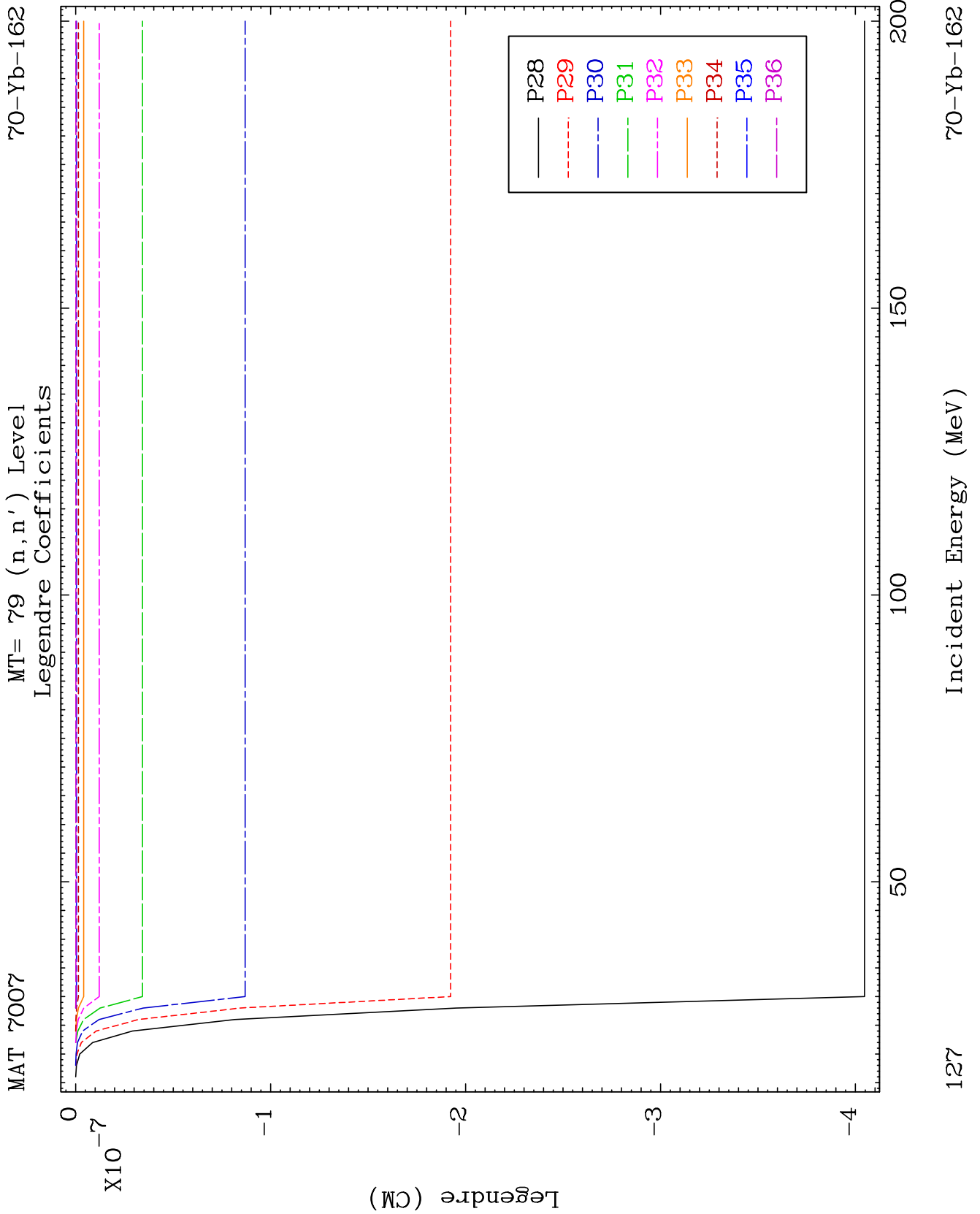


125

Incident Energy (MeV)

70-Yb-162



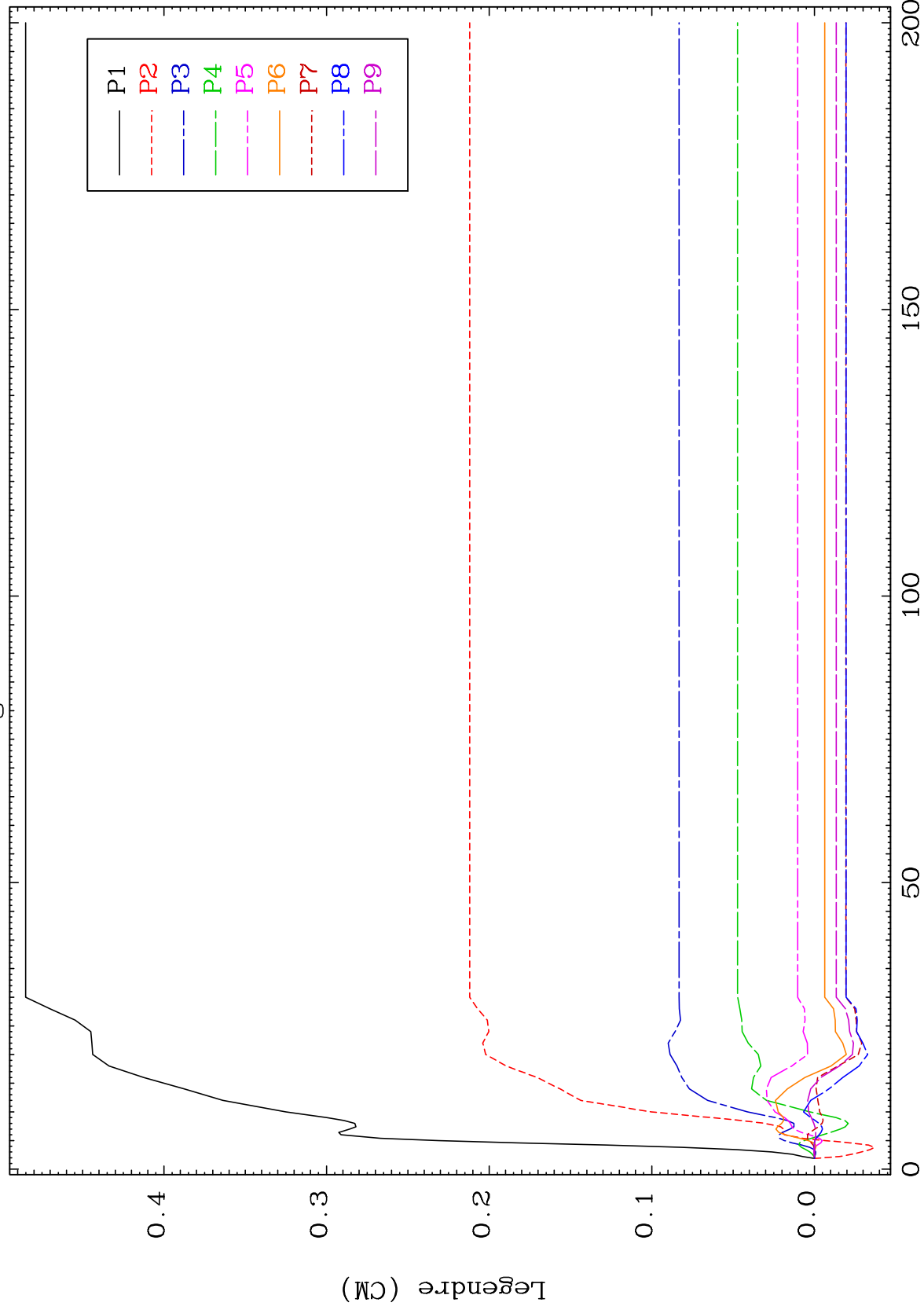




MAT 7007

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

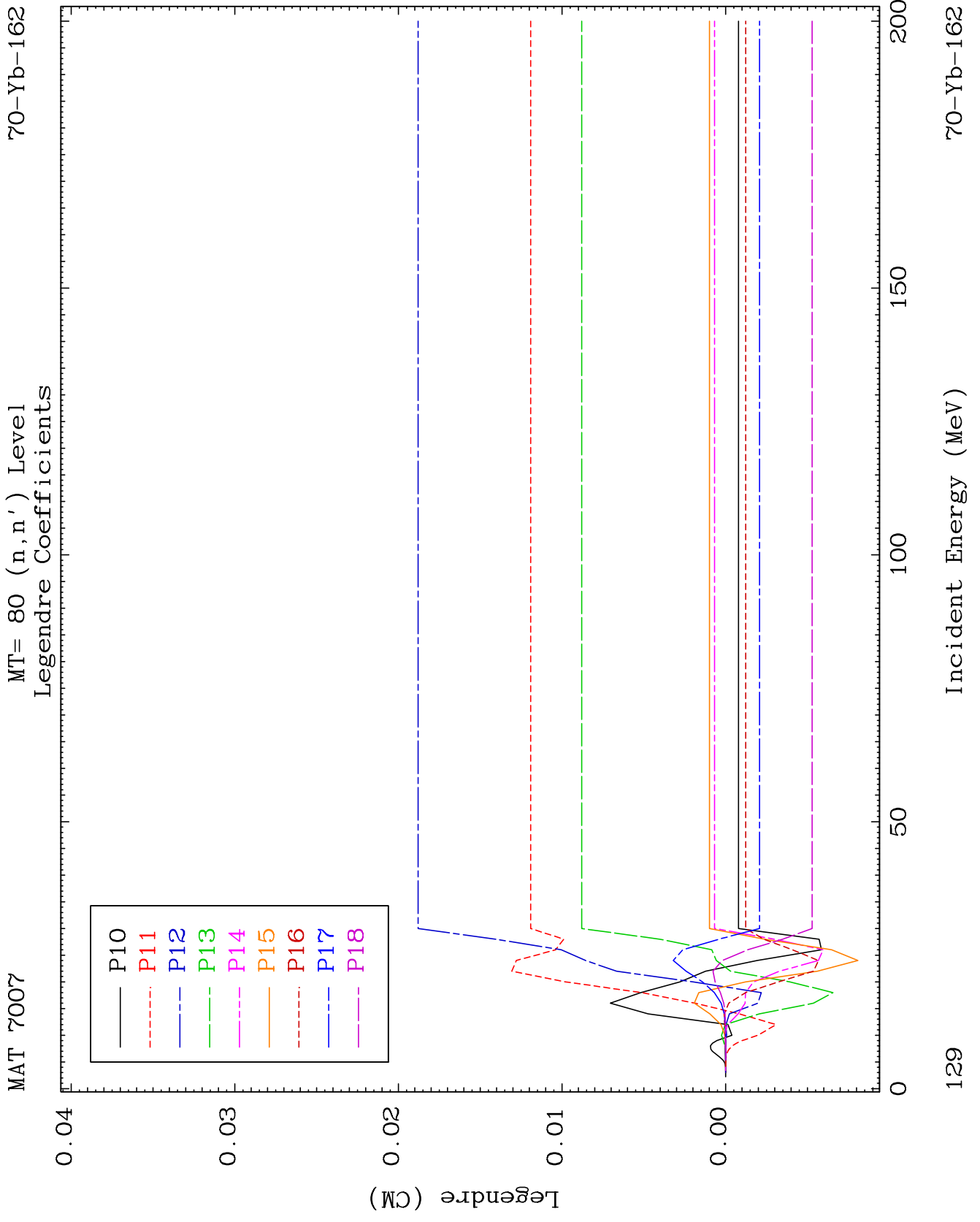
70-Yb-162



128

Incident Energy (MeV)

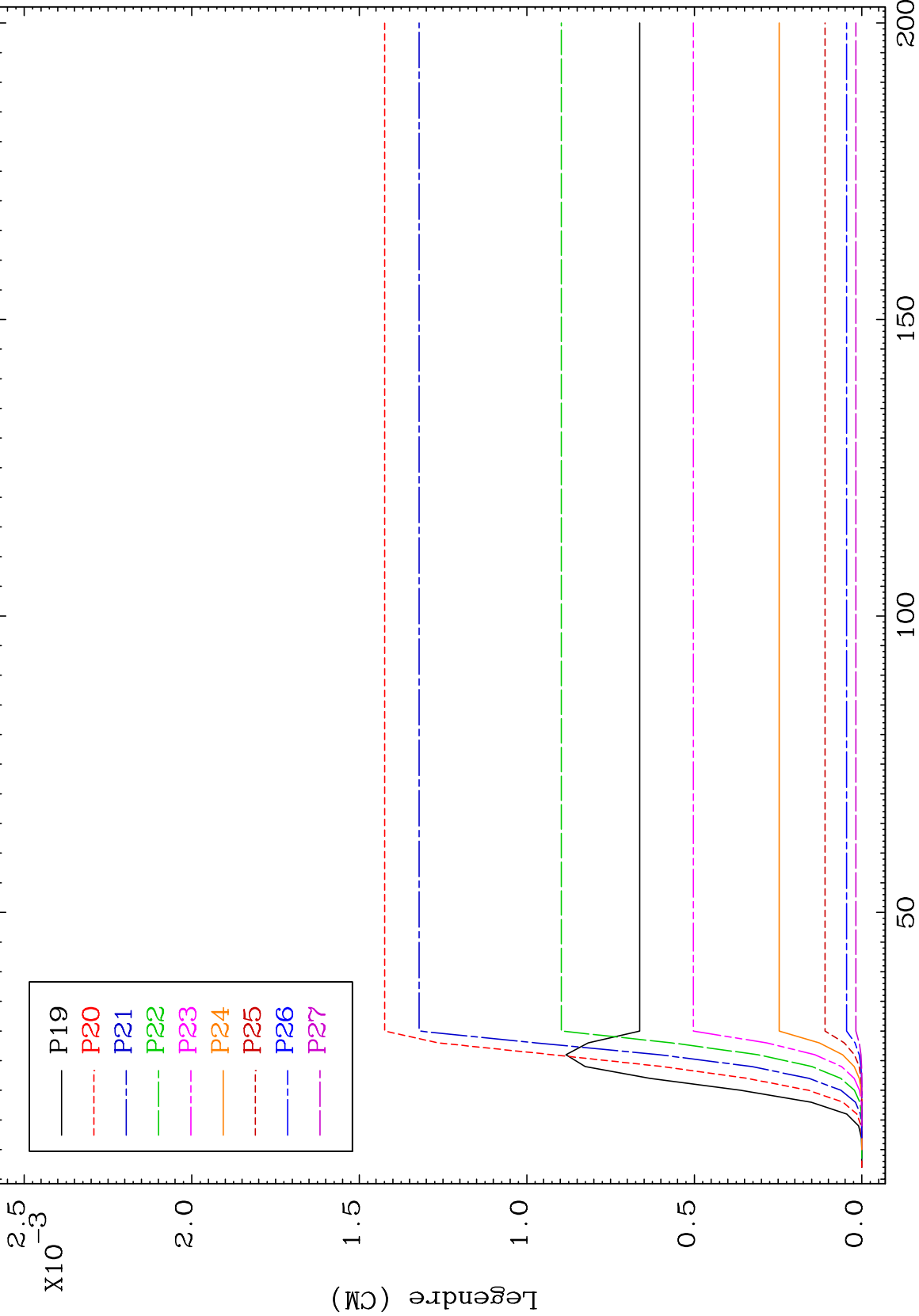
70-Yb-162



MAT 7007

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

70-Yb-162



130

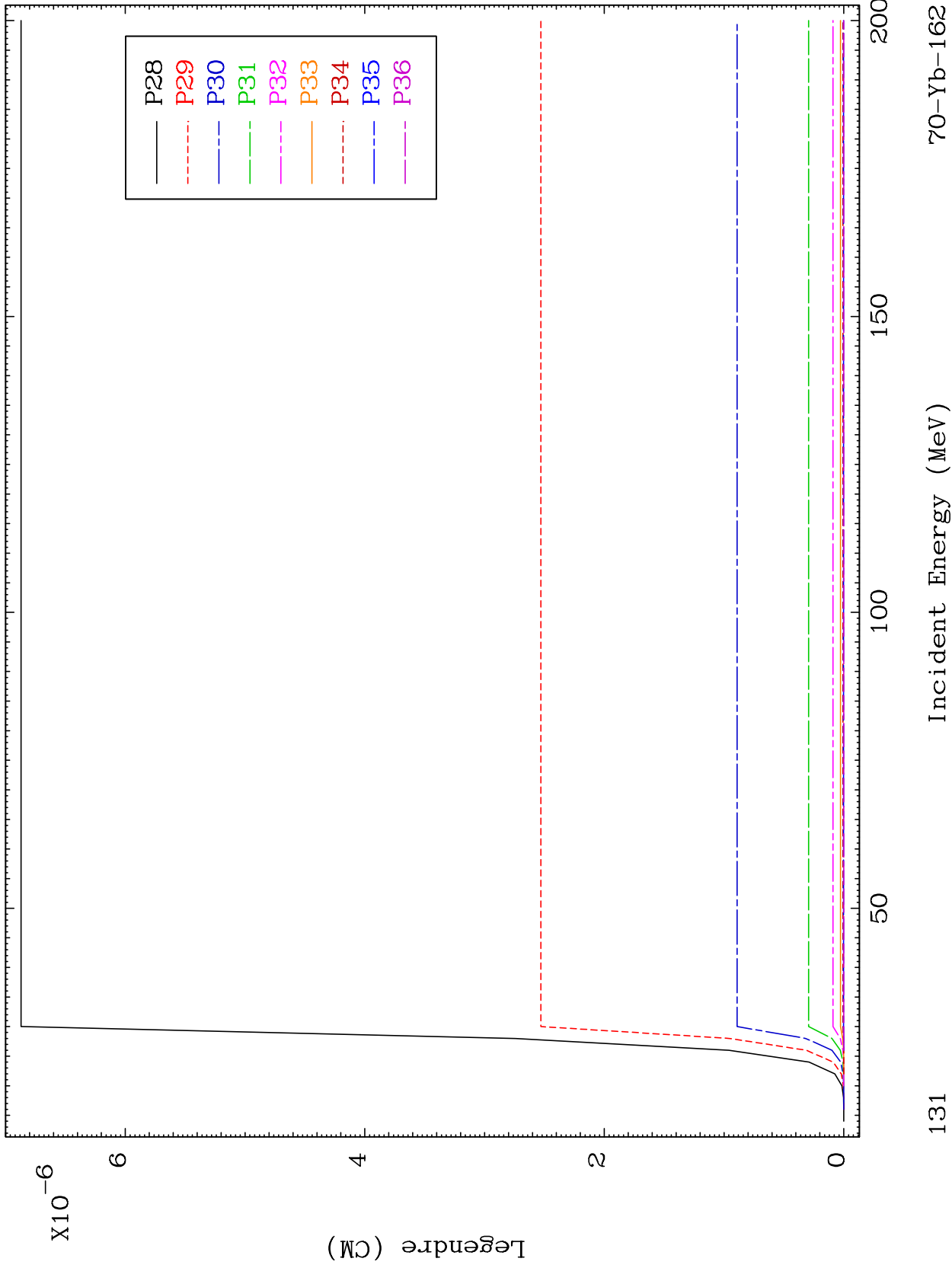
Incident Energy (MeV)

70-Yb-162

MAT 7007

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

70-Yb-162

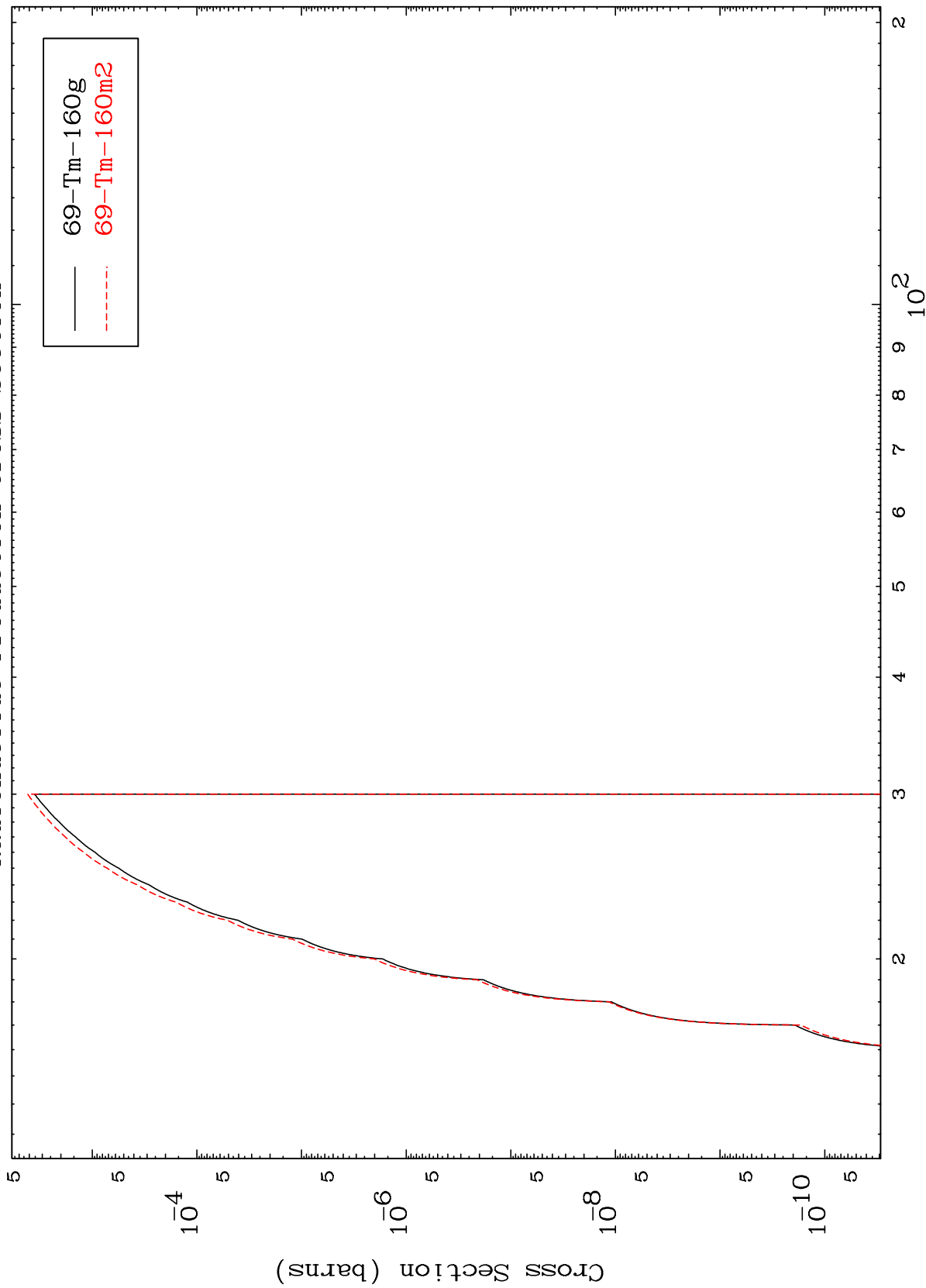


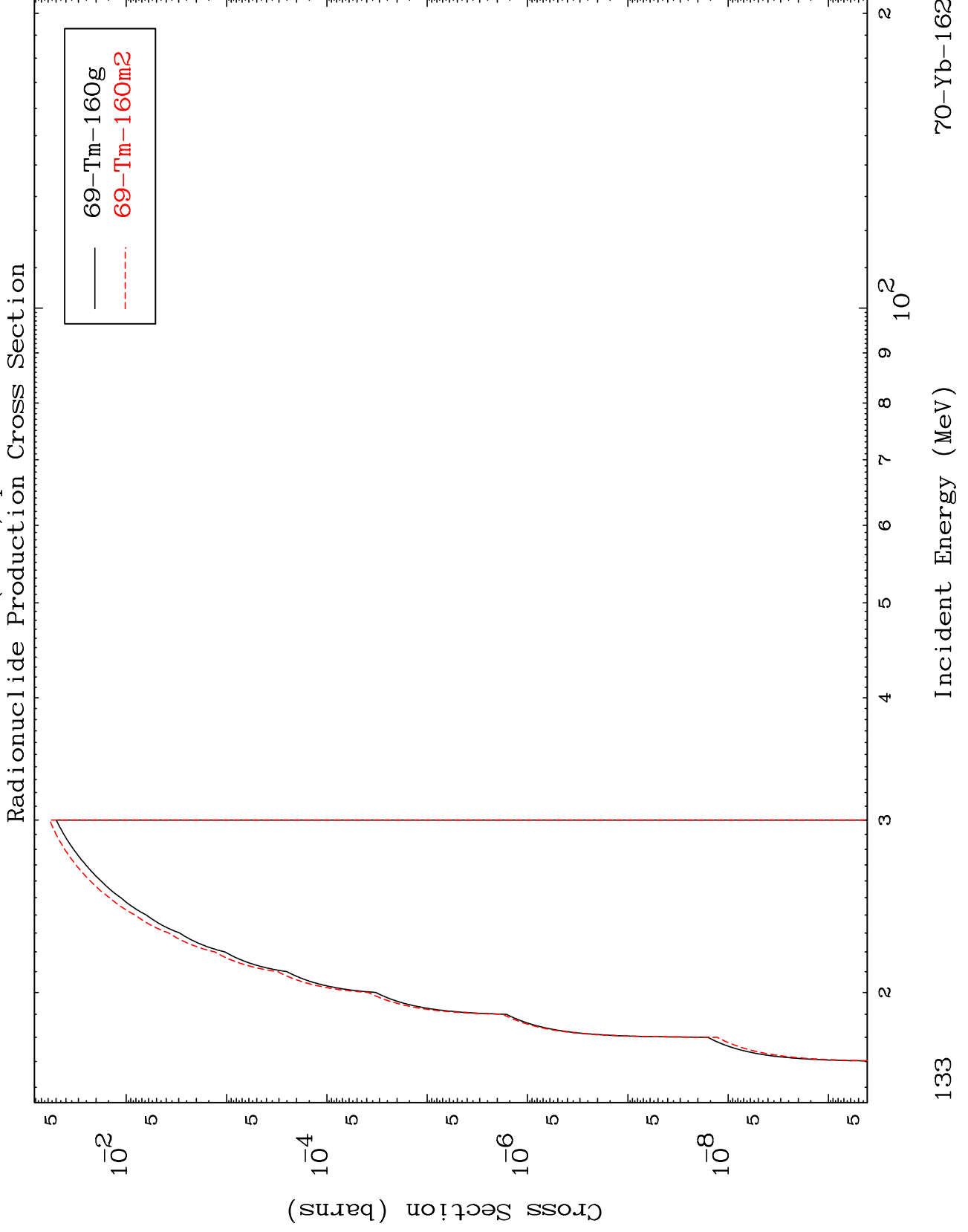
131

Incident Energy (MeV)

70-Yb-162

Radionuclide Production Cross Section

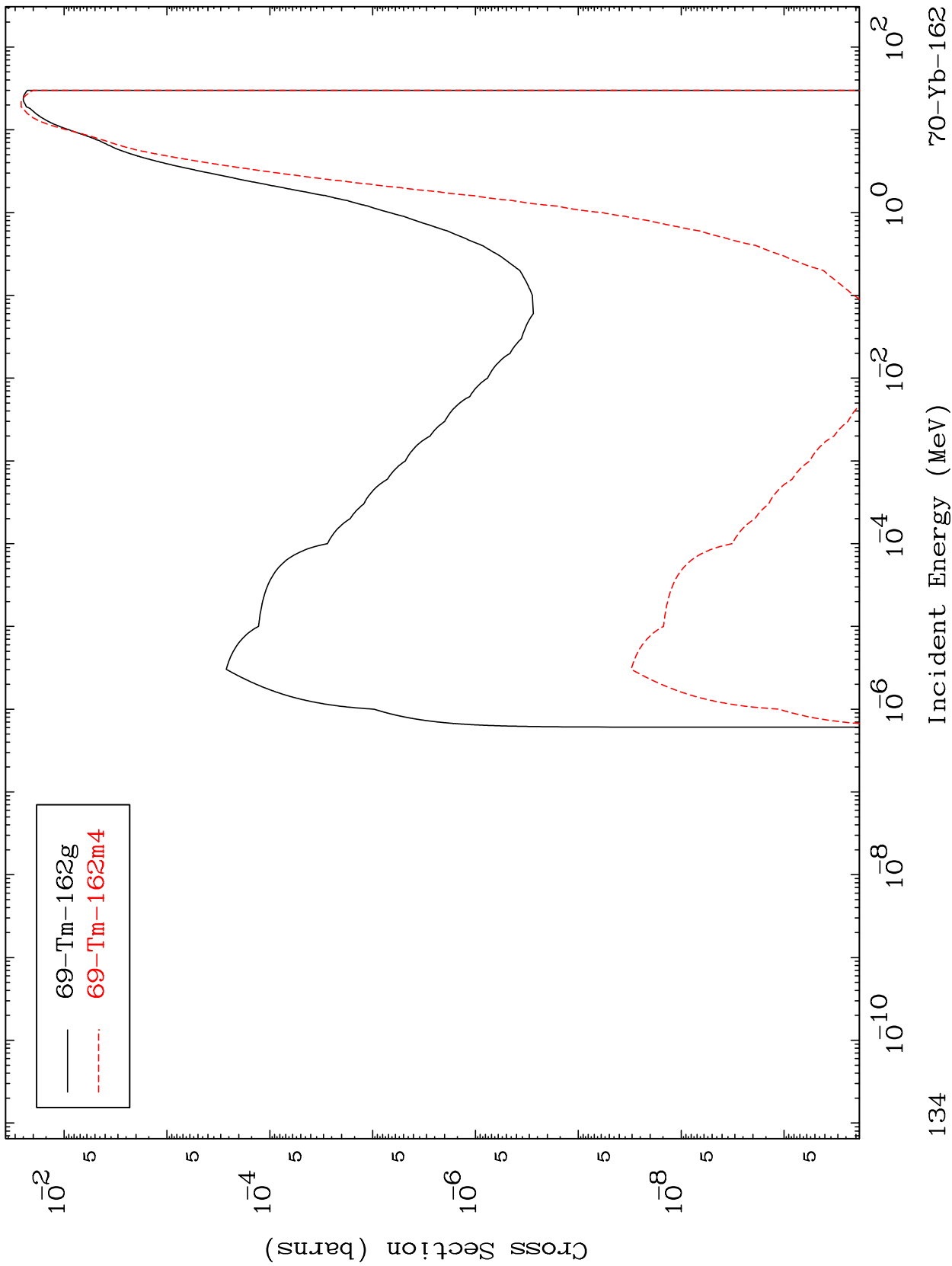




MAT 7007

(n,p)  
Radionuclide Production Cross Section

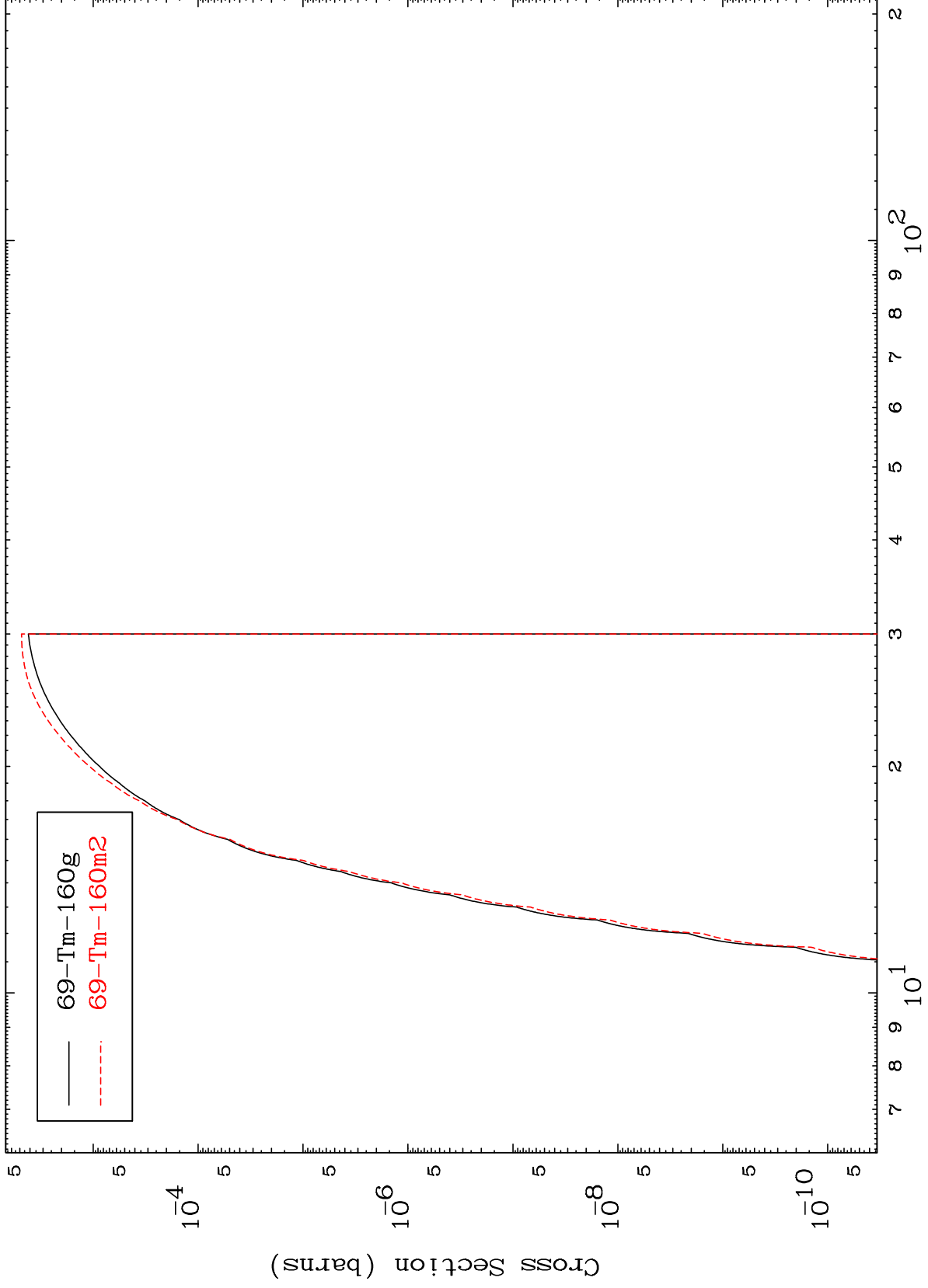
70-Yb-162



MAT 7007

70-Yb-162

(n,t)  
Radionuclide Production Cross Section



135

Incident Energy (MeV)

70-Yb-162



MAT 7007

(n,p)  $\alpha$

70-Yb-162

Radionuclide Production Cross Section

