

Program EVALPLOT  
(Version 2018-1)

by

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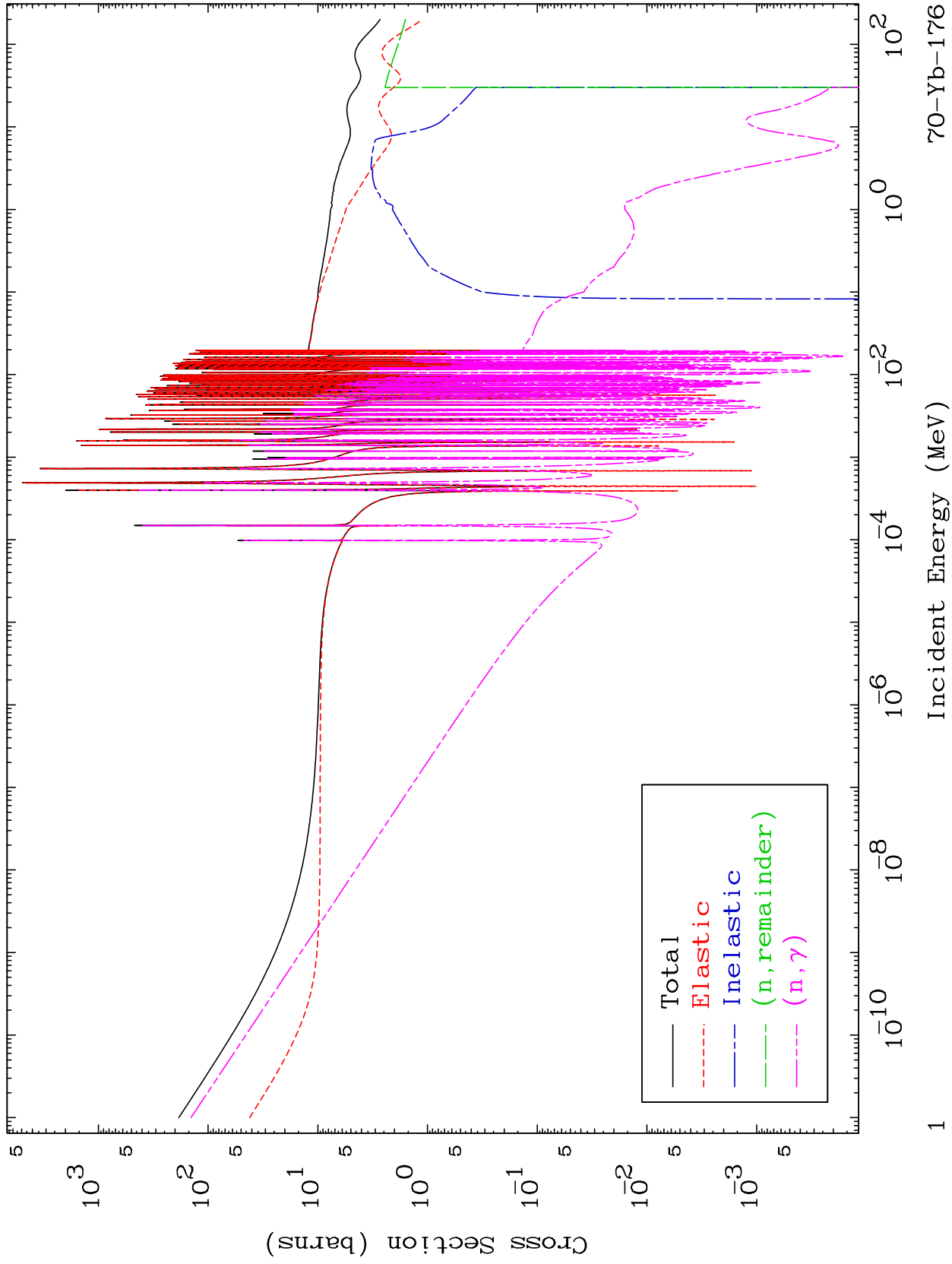
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7049

Major  
293 Kelvin Cross Sections

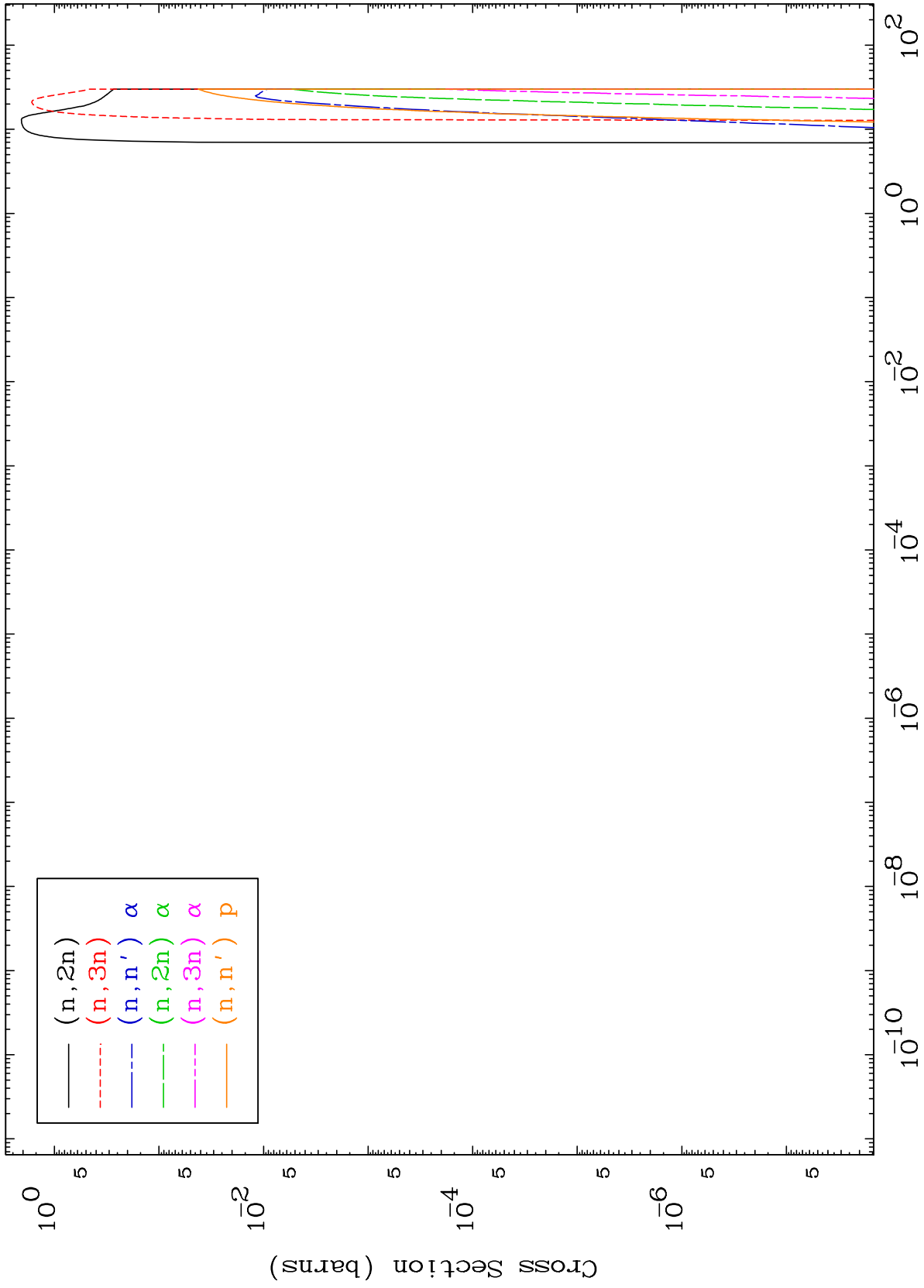
70-Yb-176



MAT 7049

Neutron Production  
293 Kelvin Cross Sections

70-Yb-176

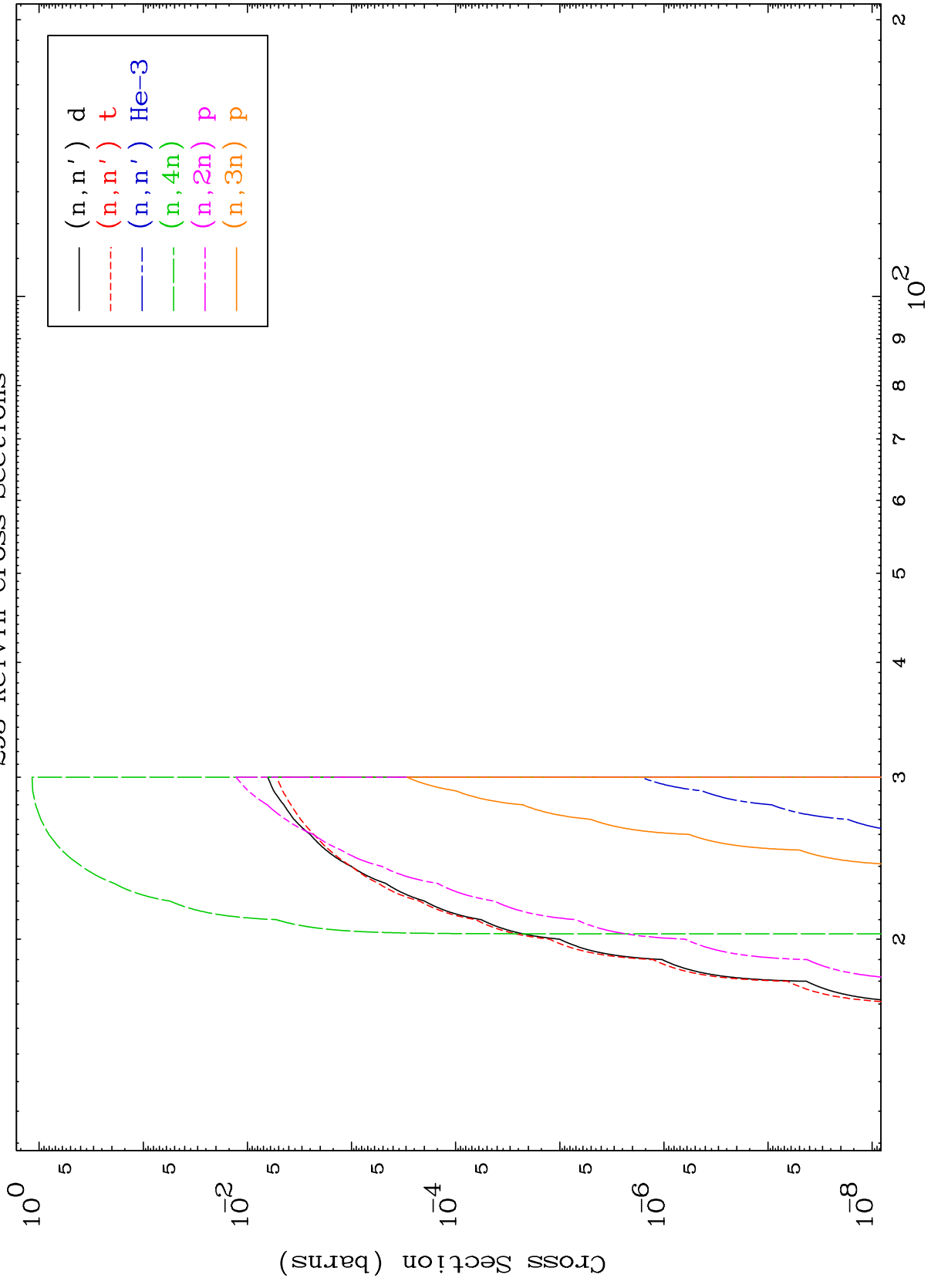


70-Yb-176

MAT 7049

Neutron Production  
293 Kelvin Cross Sections

70-Yb-176



3

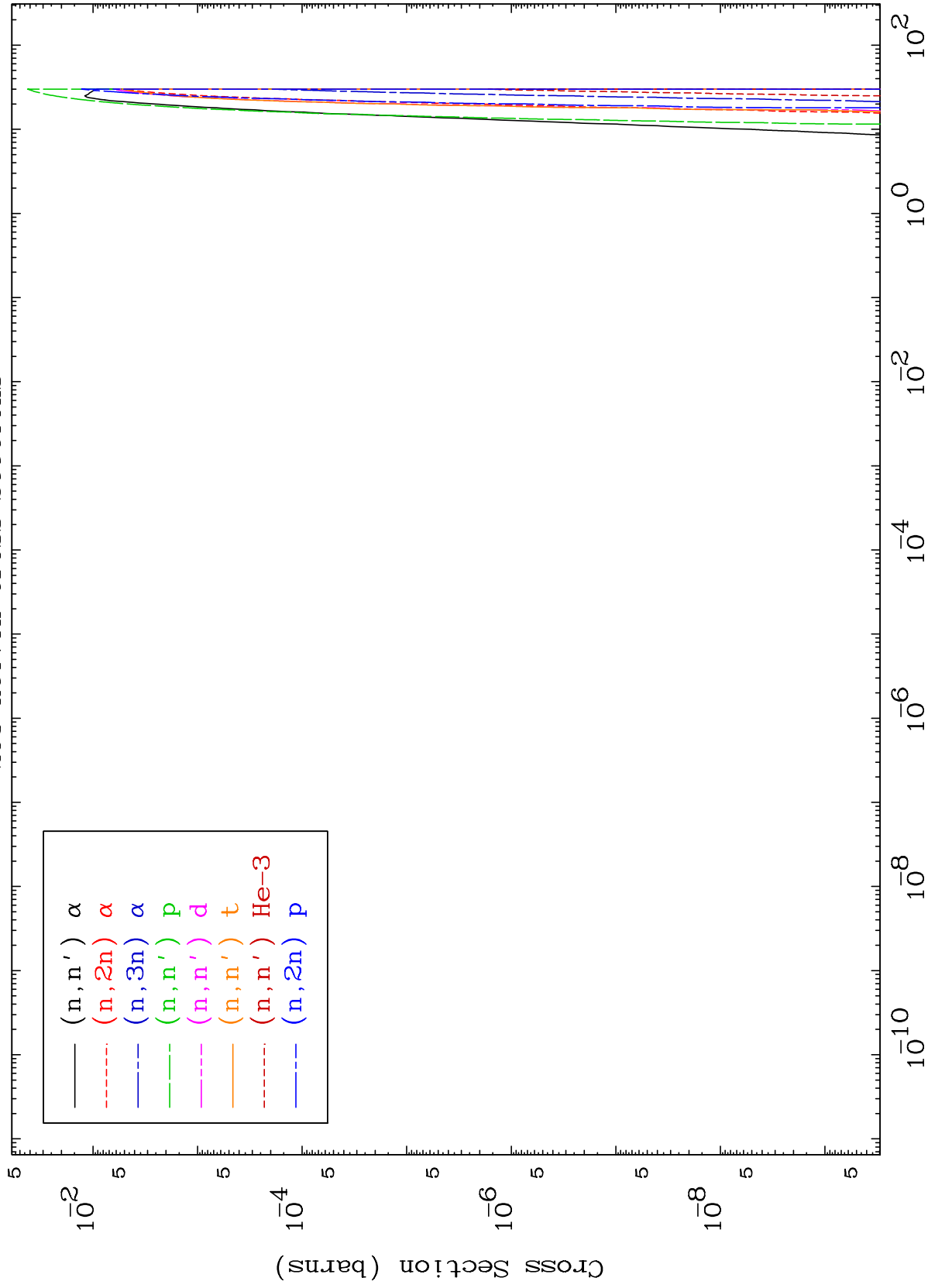
Incident Energy (MeV)

70-Yb-176

MAT 7049

293 Charged Particle  
Kelvin Cross Sections

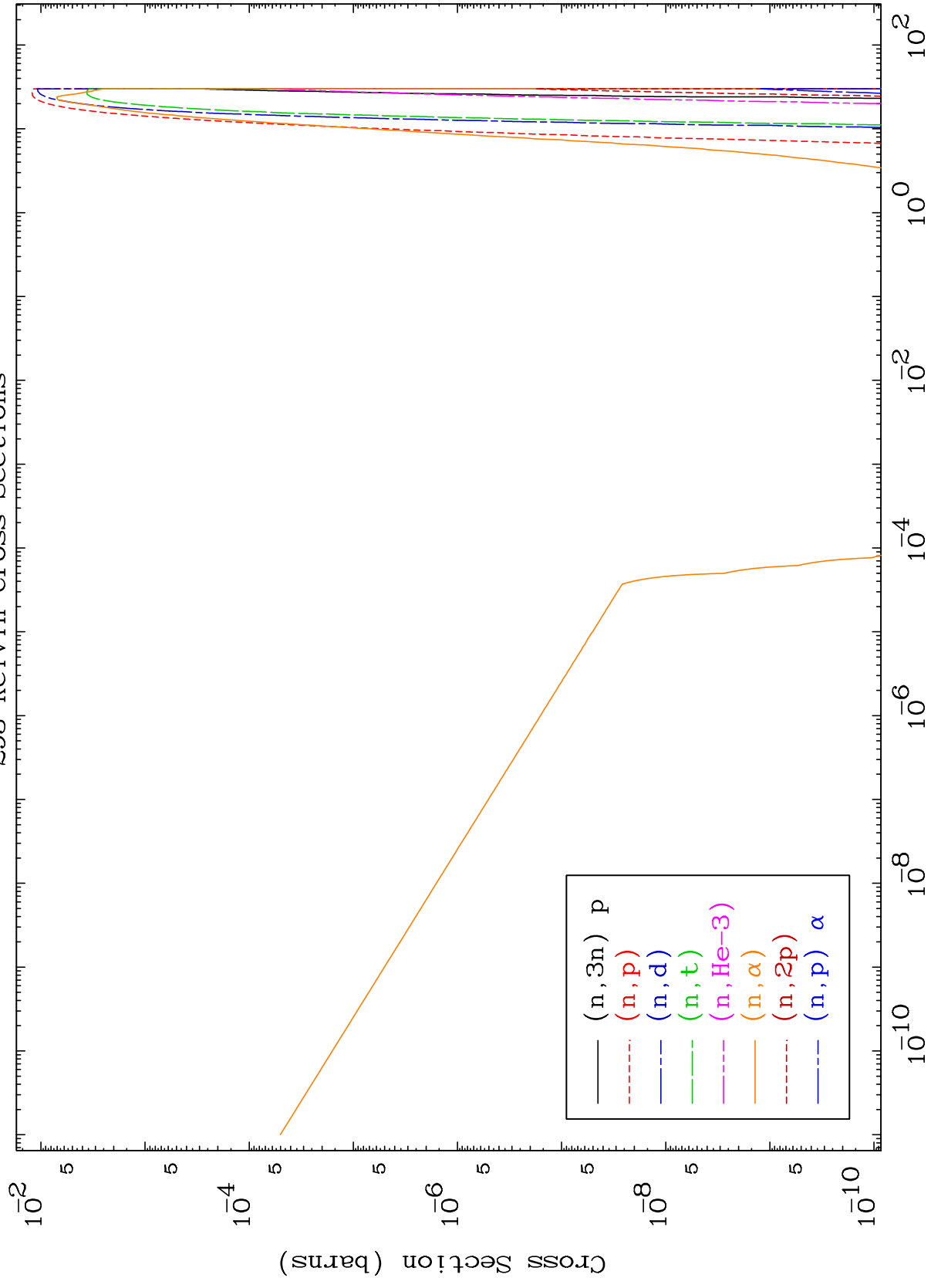
70-Yb-176



MAT 7049

Charged Particle  
293 Kelvin Cross Sections

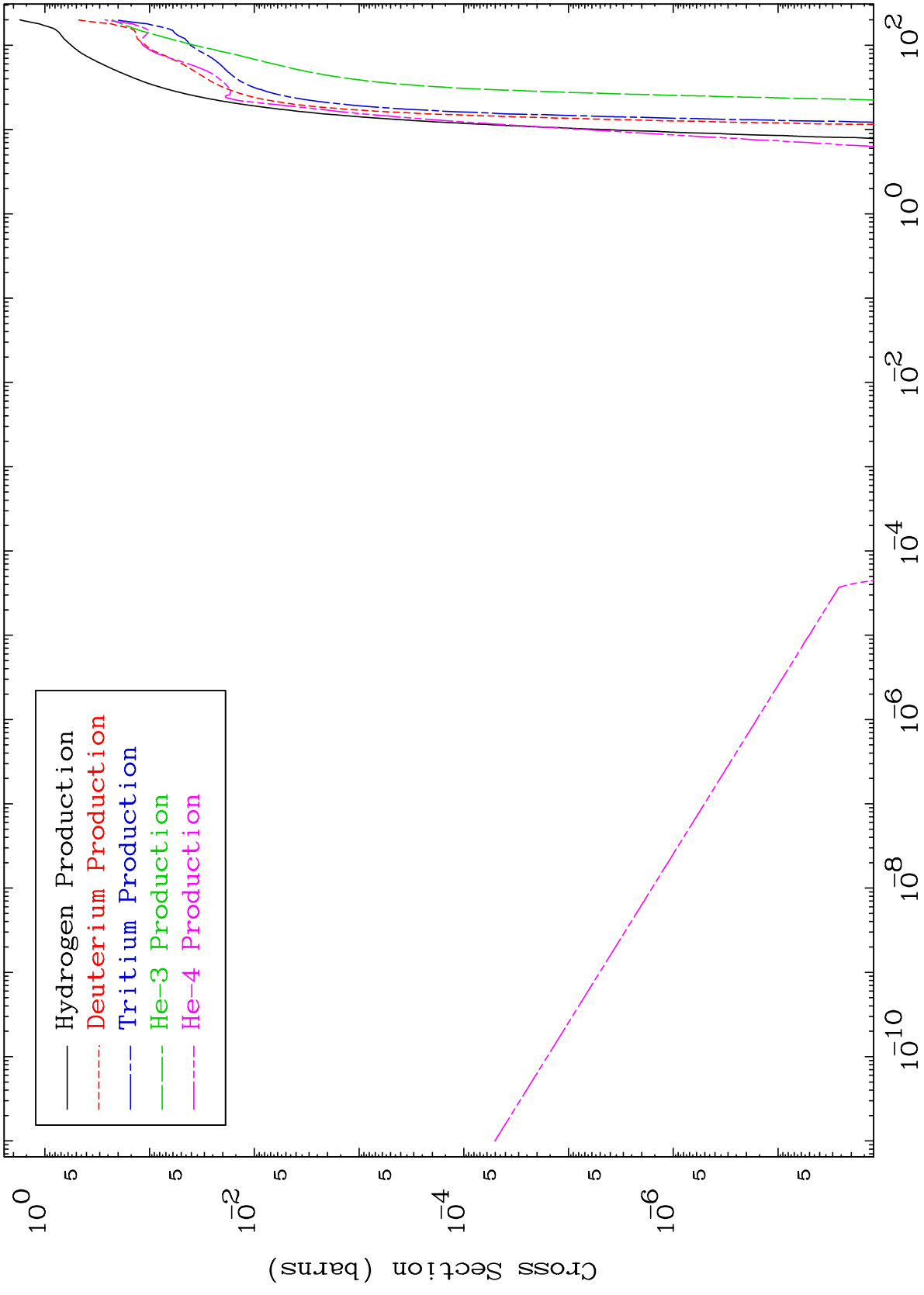
70-Yb-176



MAT 7049

Particle Production  
293 Kelvin Cross Sections

70-Yb-176



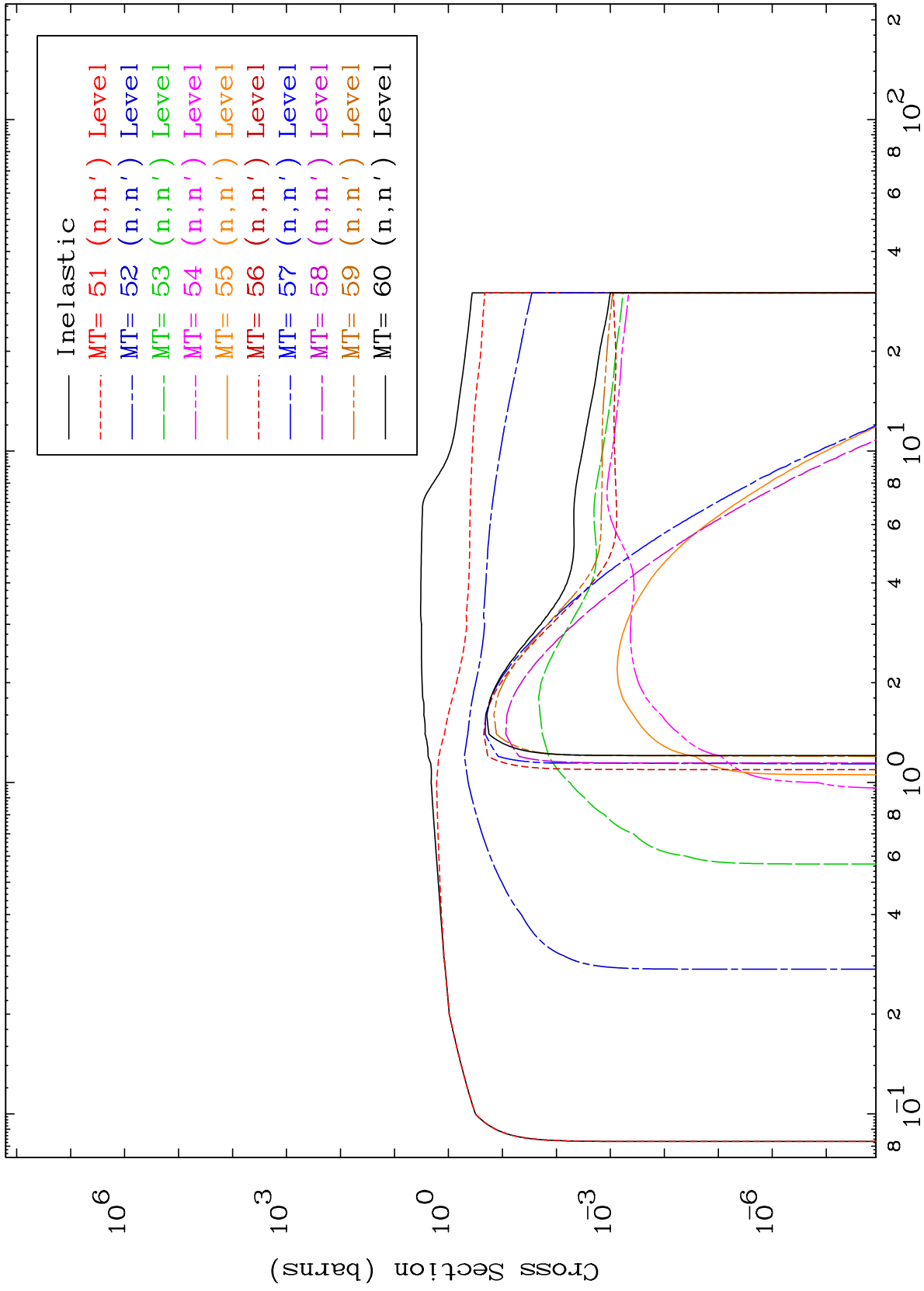
6

70-Yb-176

MAT 7049

(n,n') Level  
293 Kelvin Cross Sections

70-Yb-176



7

Incident Energy (MeV)

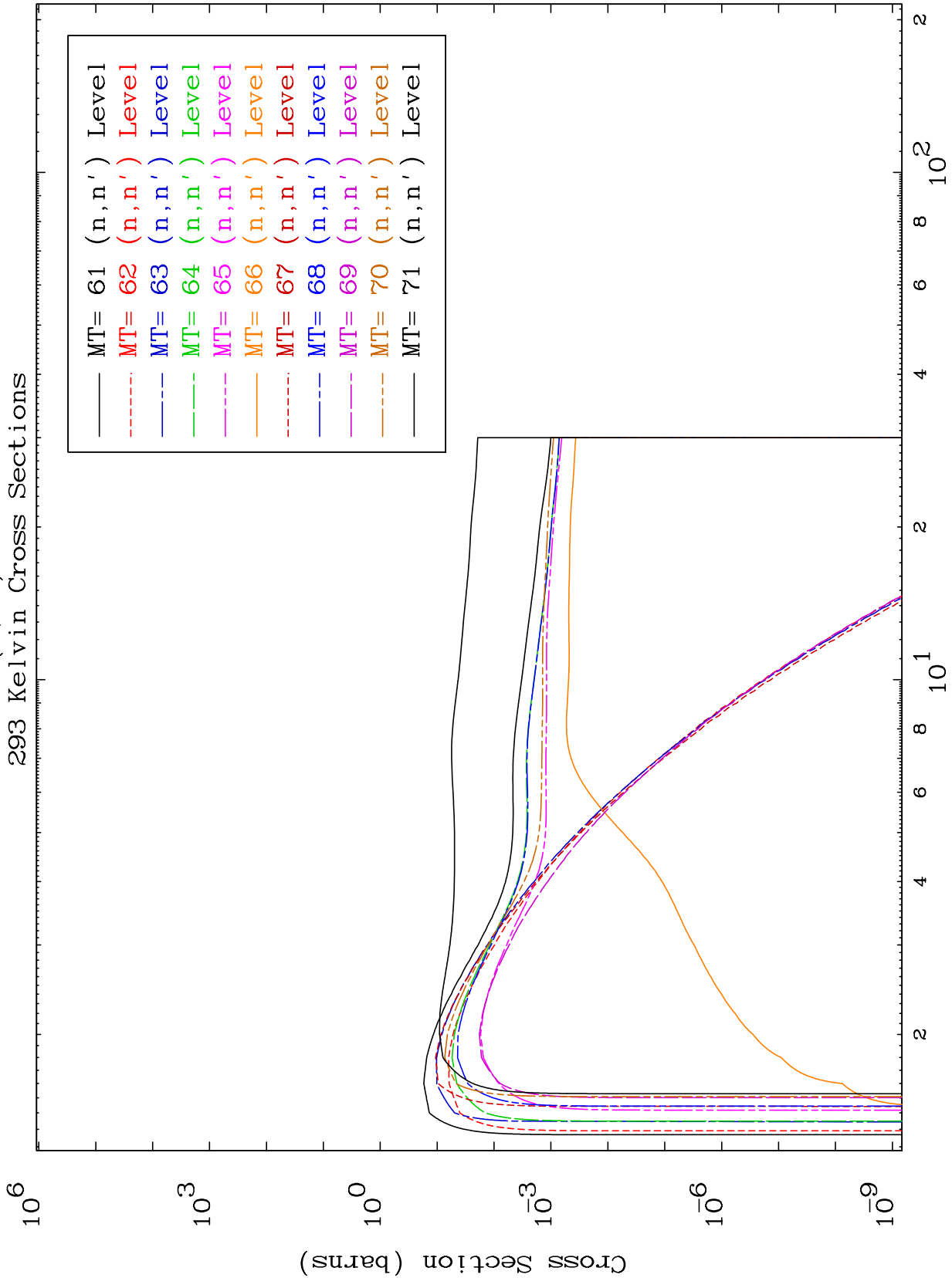
70-Yb-176



MAT 7049

(n,n') Level

70-Yb-176



8

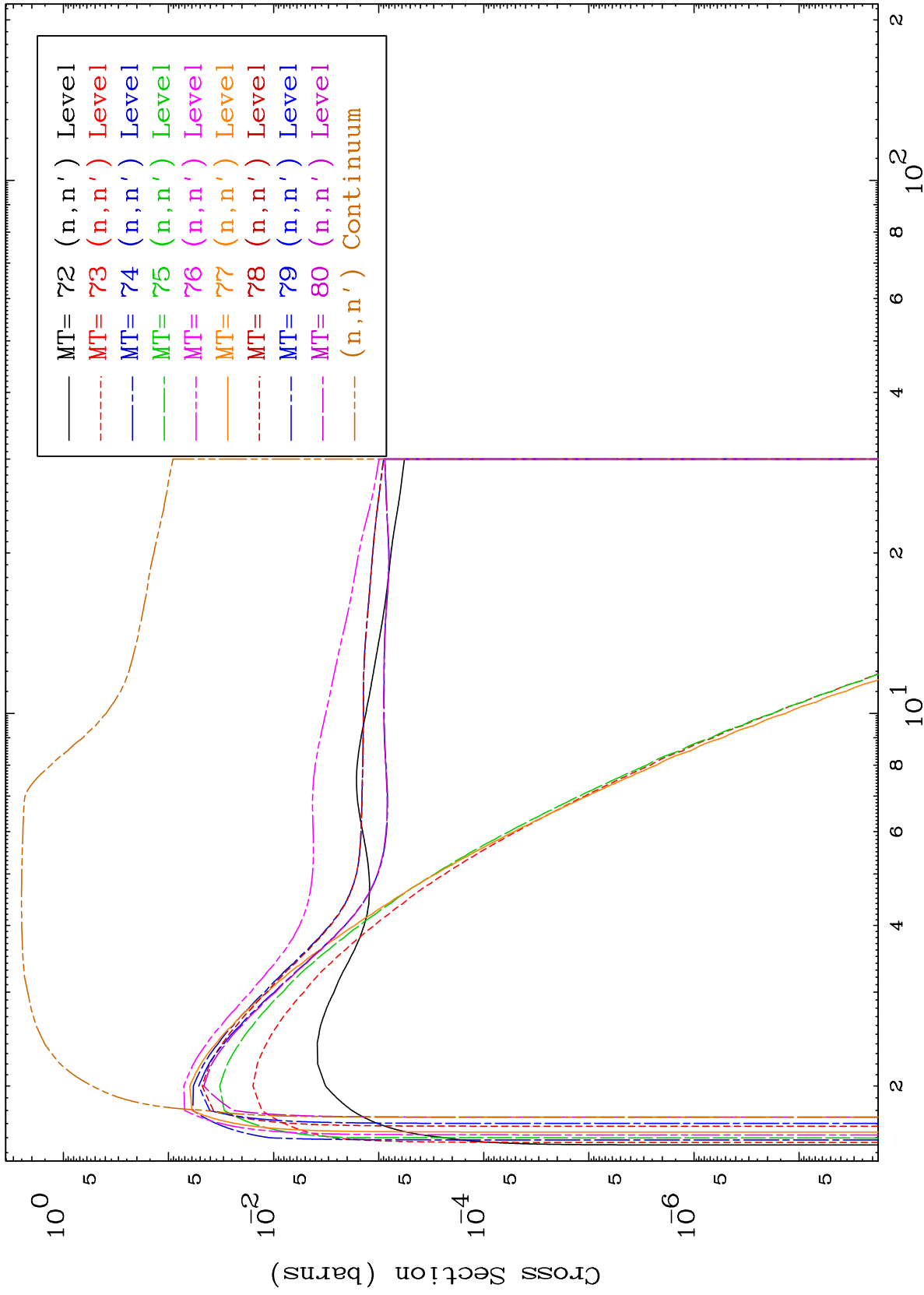
Incident Energy (MeV)

70-Yb-176

MAT 7049

(n,n') Level  
293 Kelvin Cross Sections

70-Yb-176



9

Incident Energy (MeV)

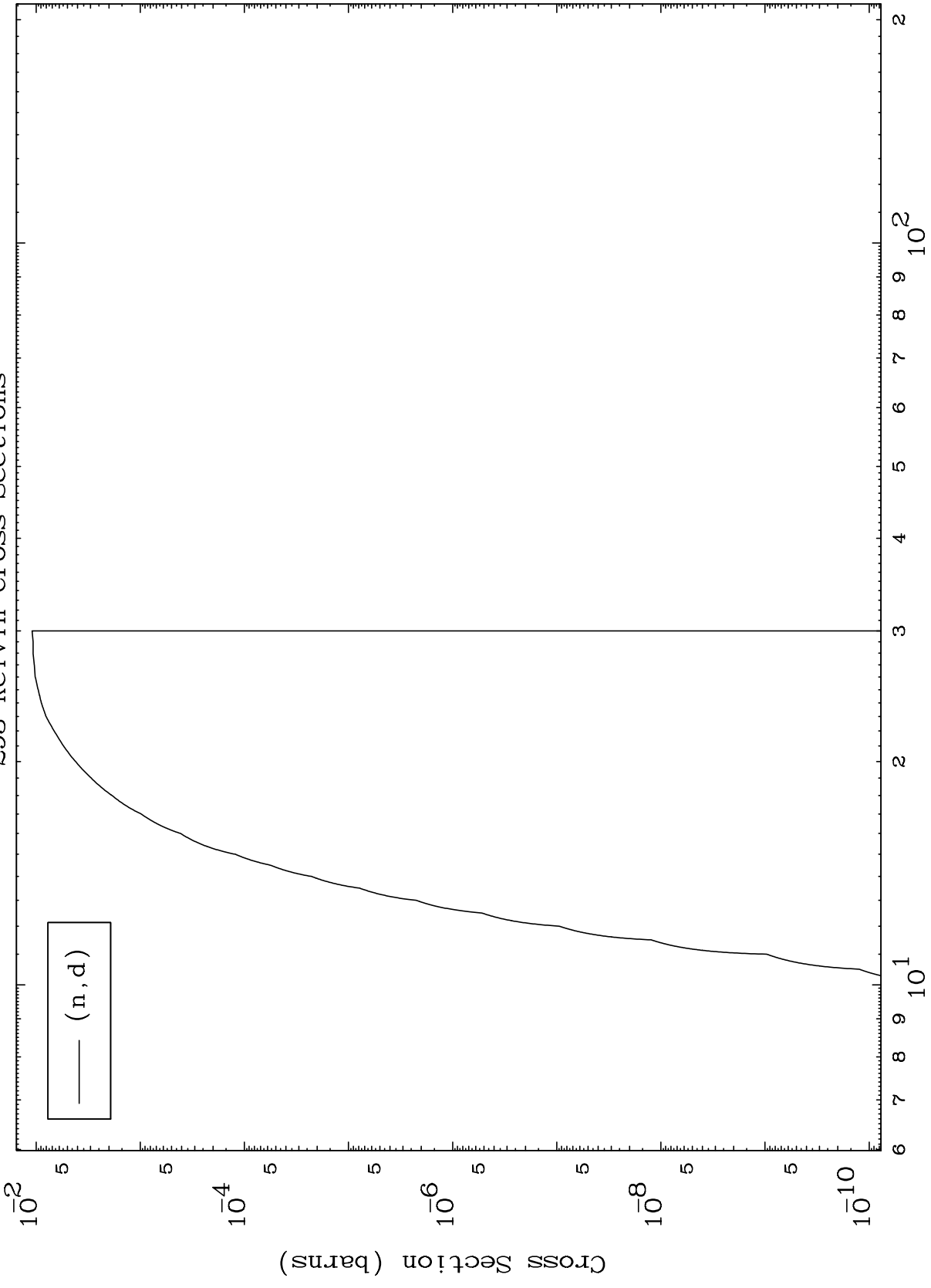
70-Yb-176



MAT 7049

(n,d) Levels  
293 Kelvin Cross Sections

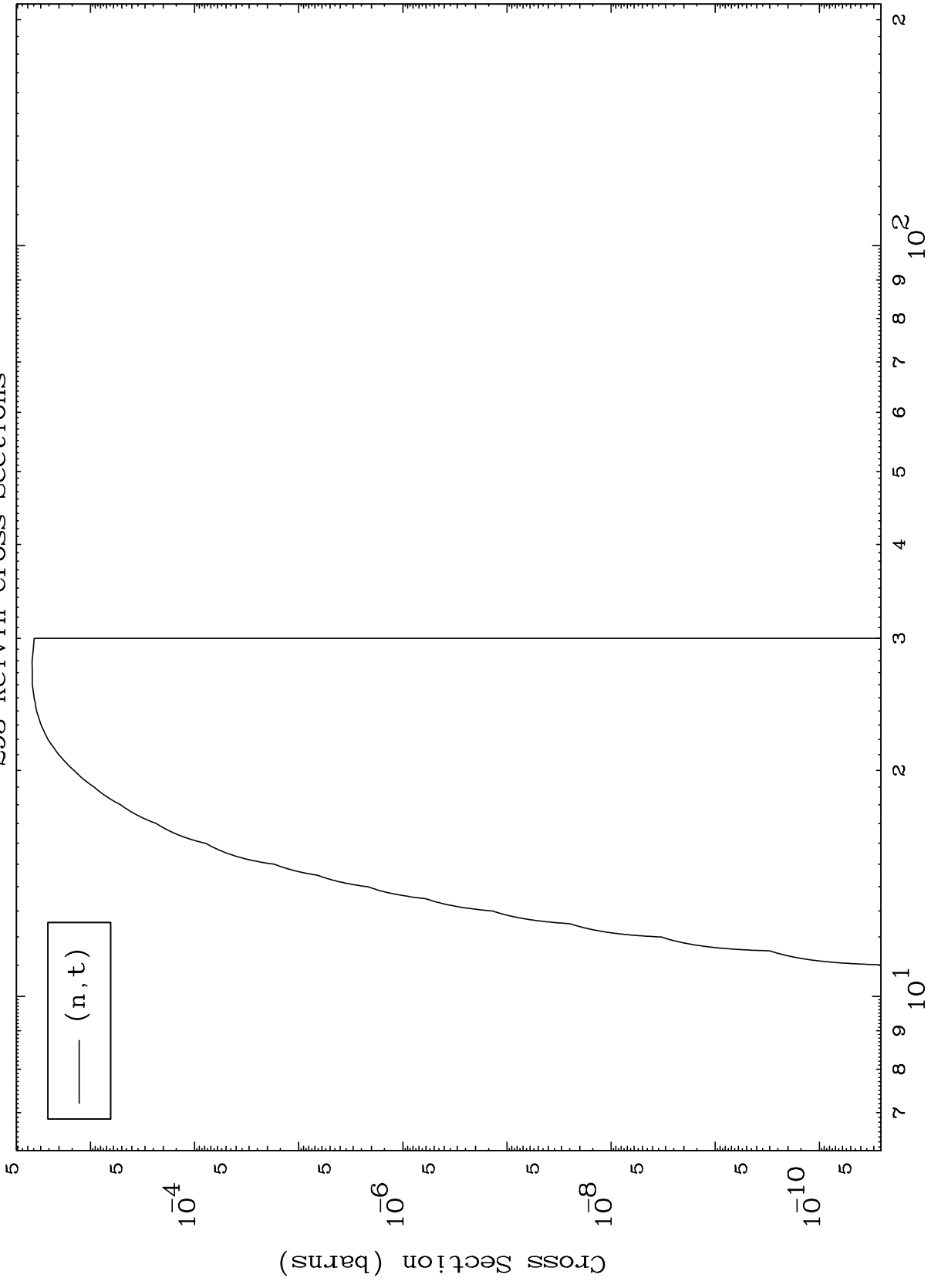
70-Yb-176



MAT 7049

(n,t) Levels  
293 Kelvin Cross Sections

70-Yb-176



12

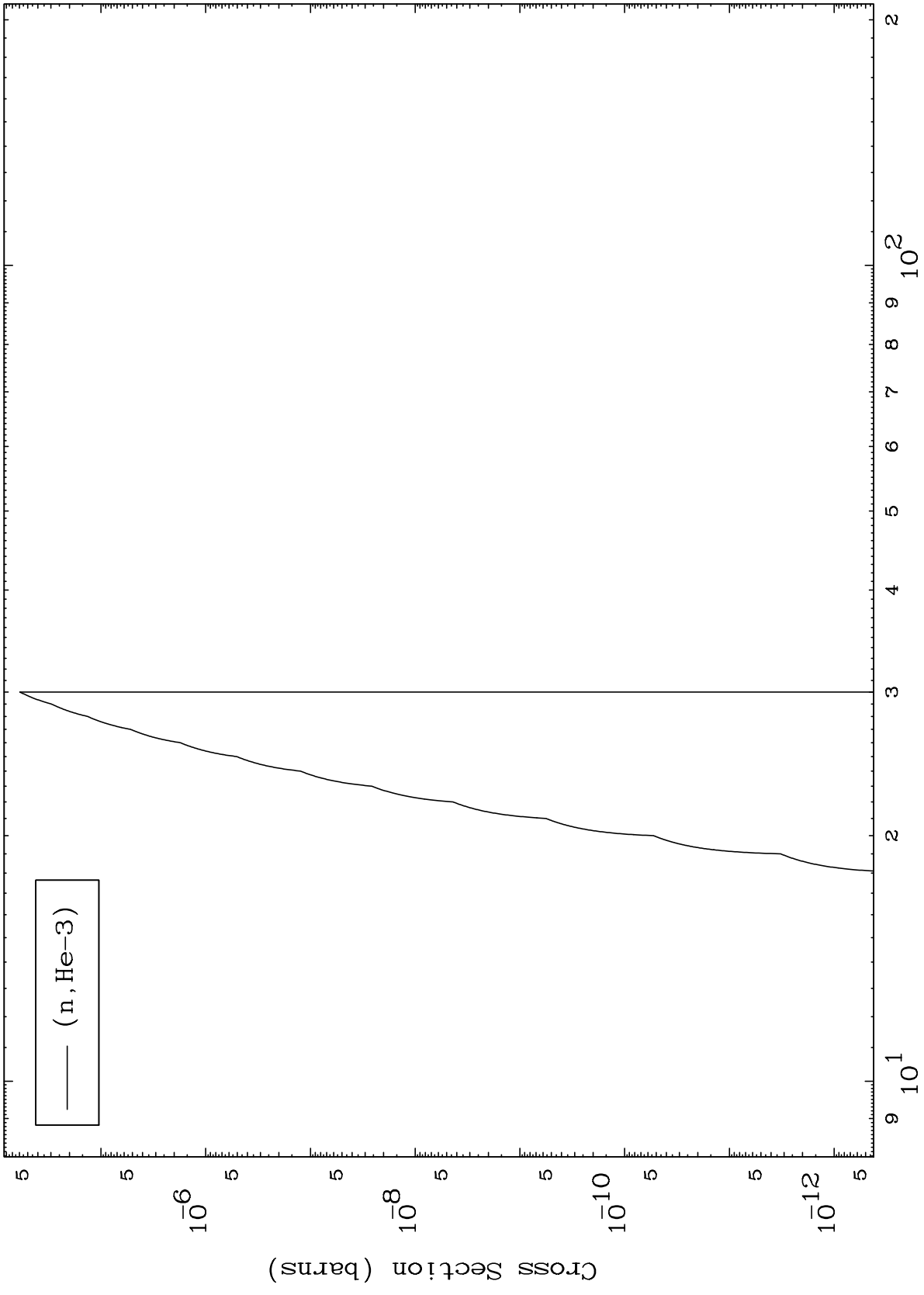
Incident Energy (MeV)

70-Yb-176

MAT 7049

(n,He3) Levels  
293 Kelvin Cross Sections

70-Yb-176



13

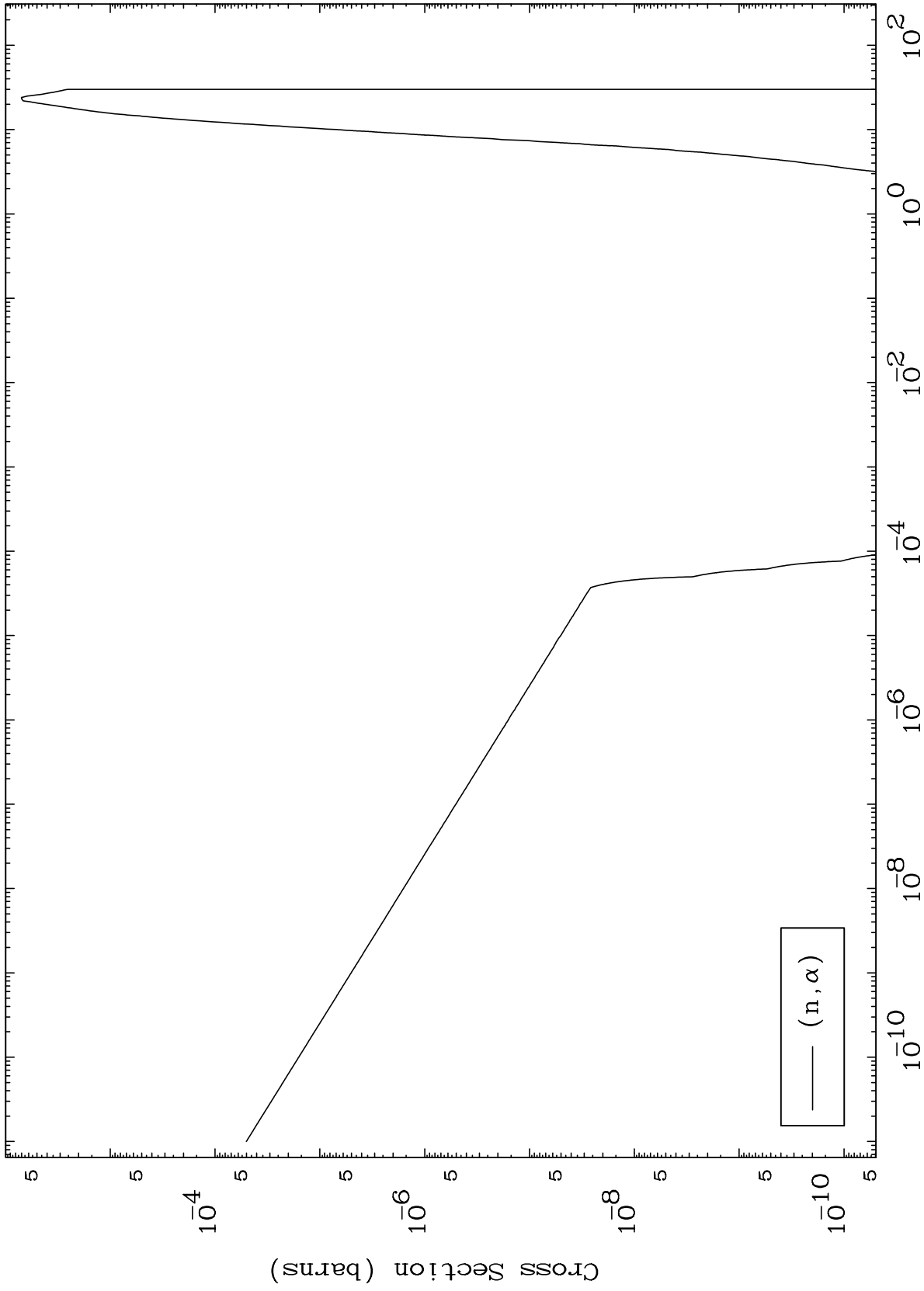
Incident Energy (MeV)

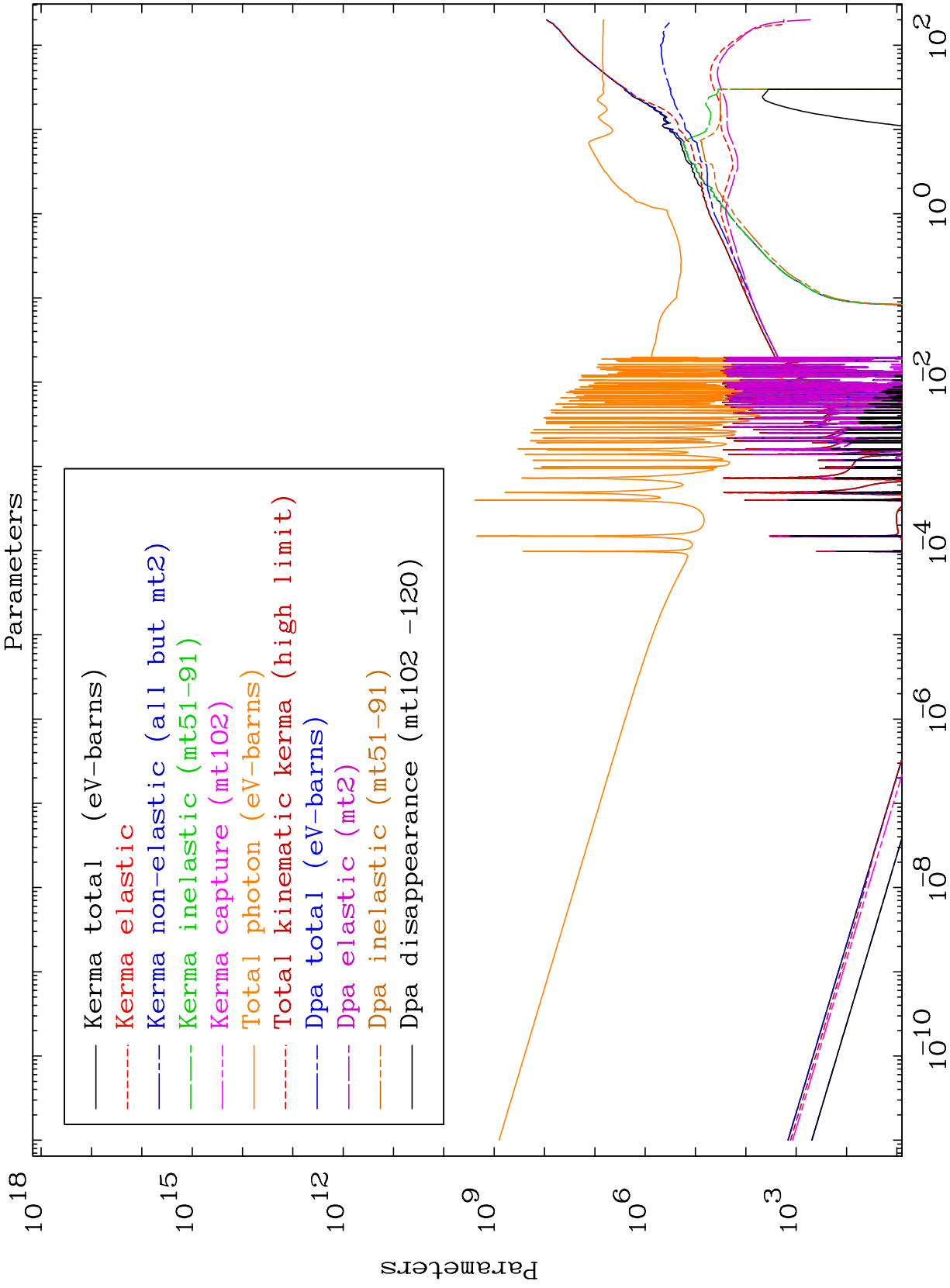
70-Yb-176

MAT 7049

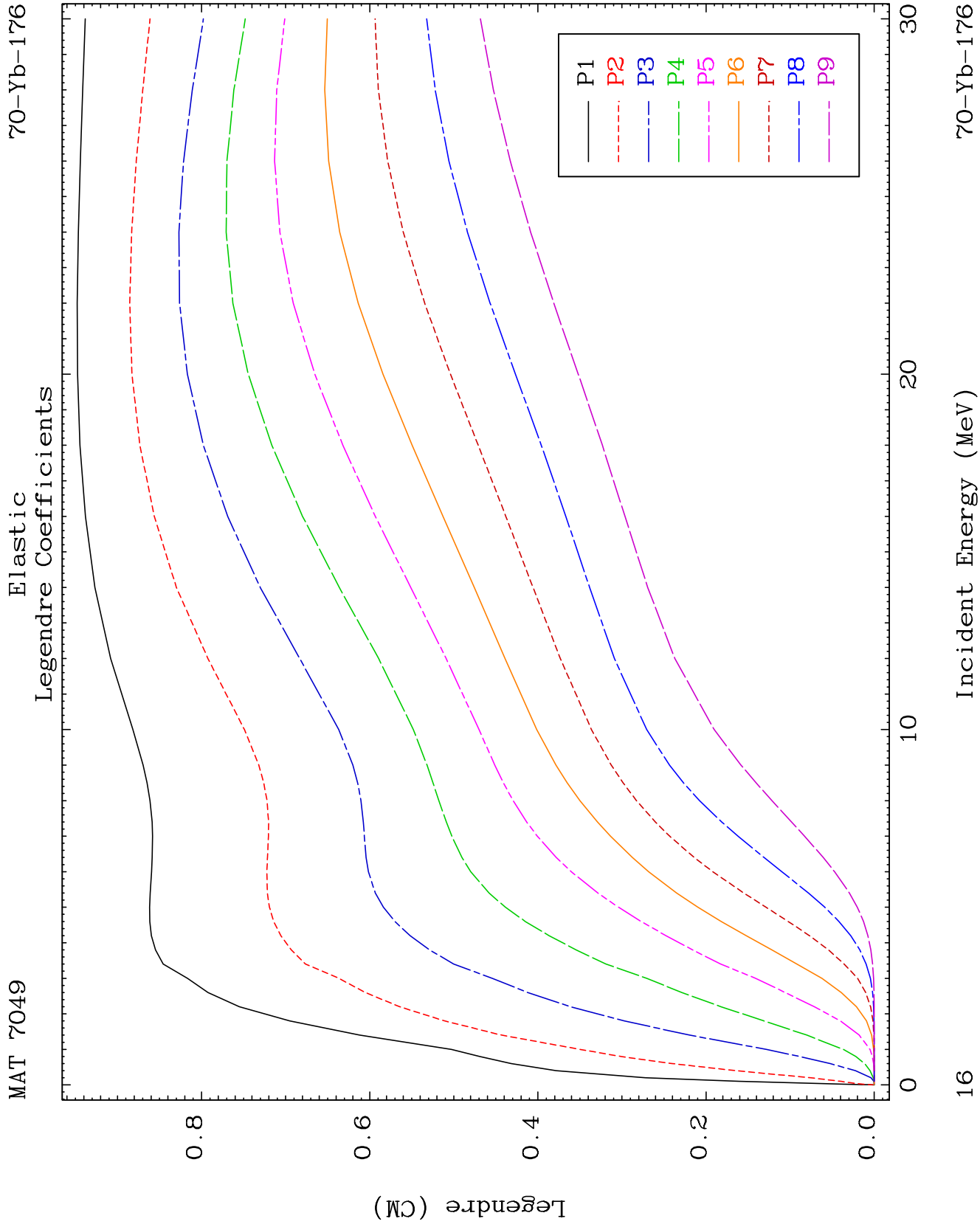
(n,α) Levels  
293 Kelvin Cross Sections

70-Yb-176





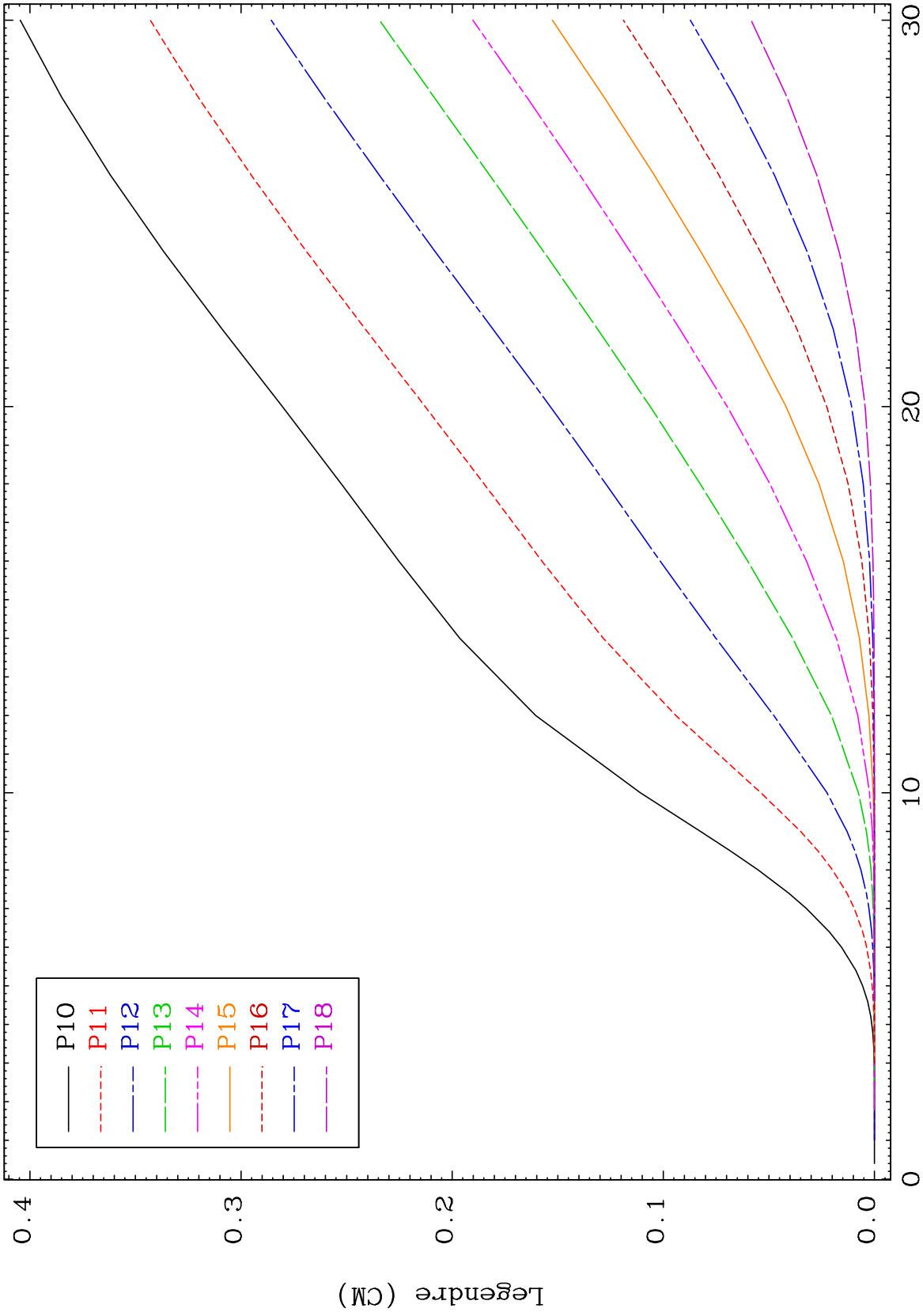




MAT 7049

Elastic Legendre Coefficients

70-Yb-176



17

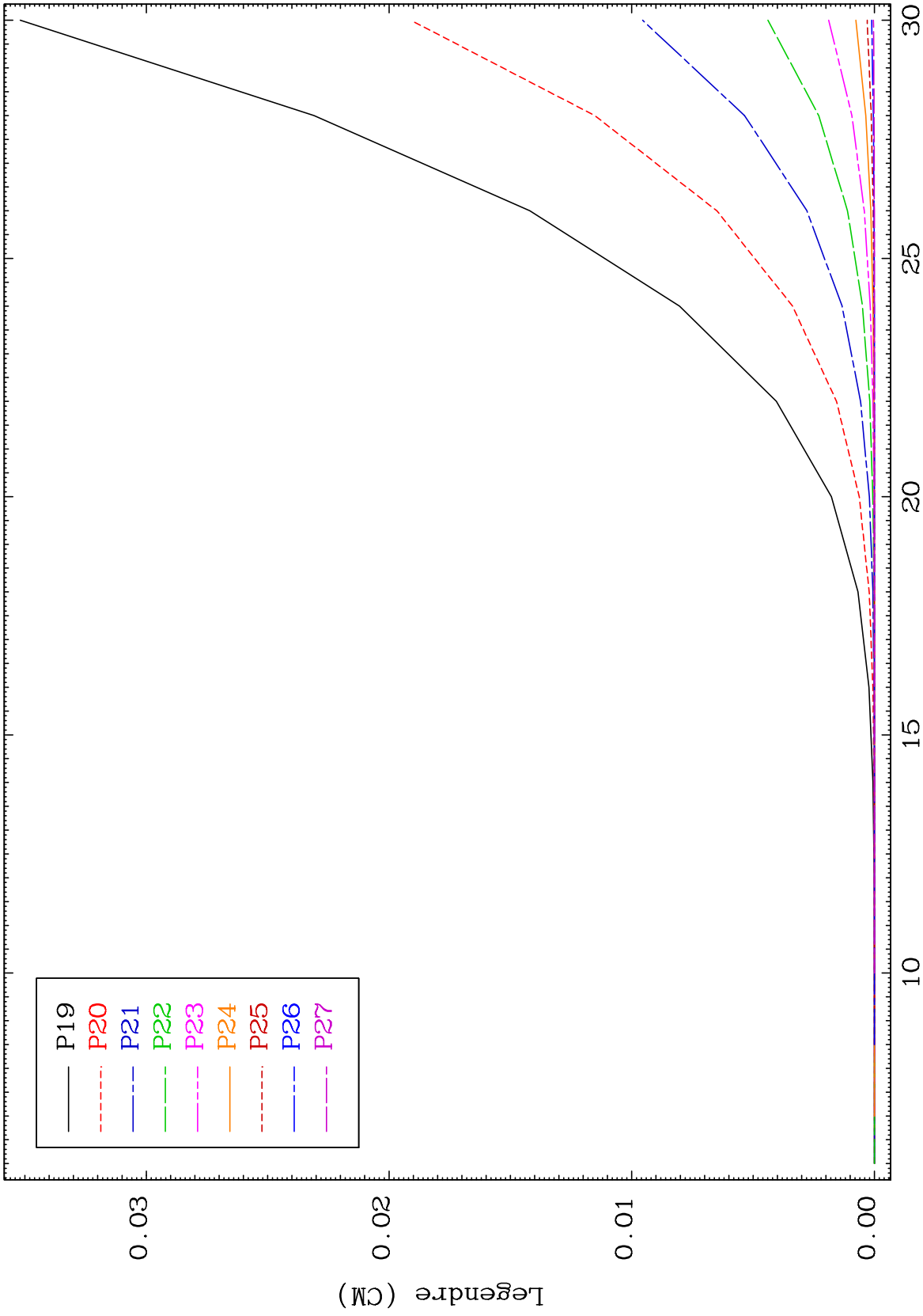
Incident Energy (MeV)

70-Yb-176

MAT 7049

Elastic Legendre Coefficients

70-Yb-176



18

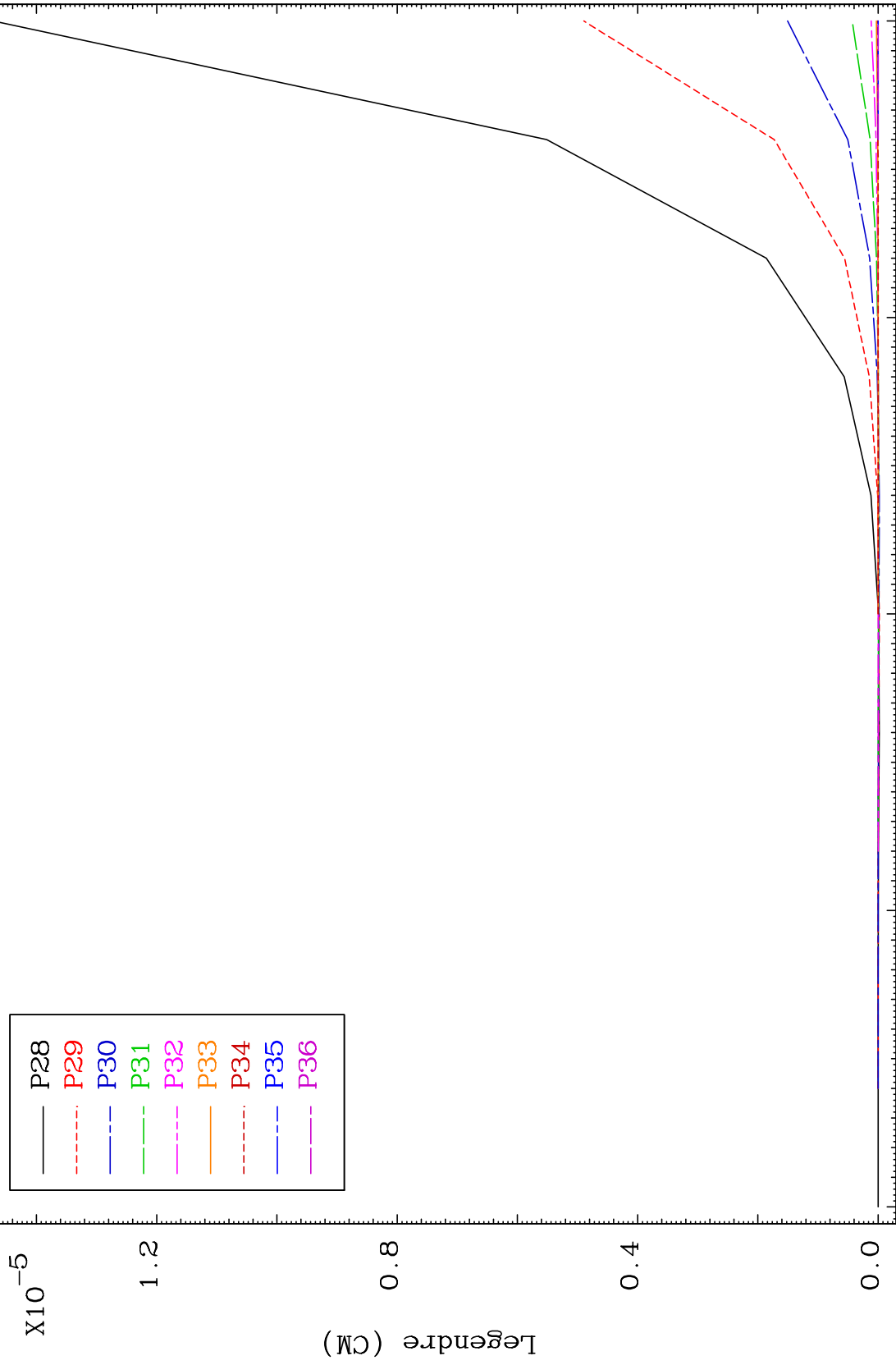
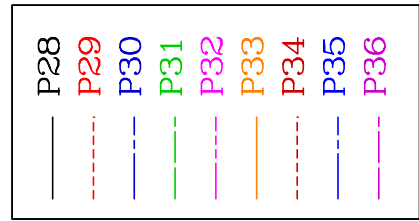
Incident Energy (MeV)

70-Yb-176

MAT 7049

Elastic Legendre Coefficients

70-Yb-176



19

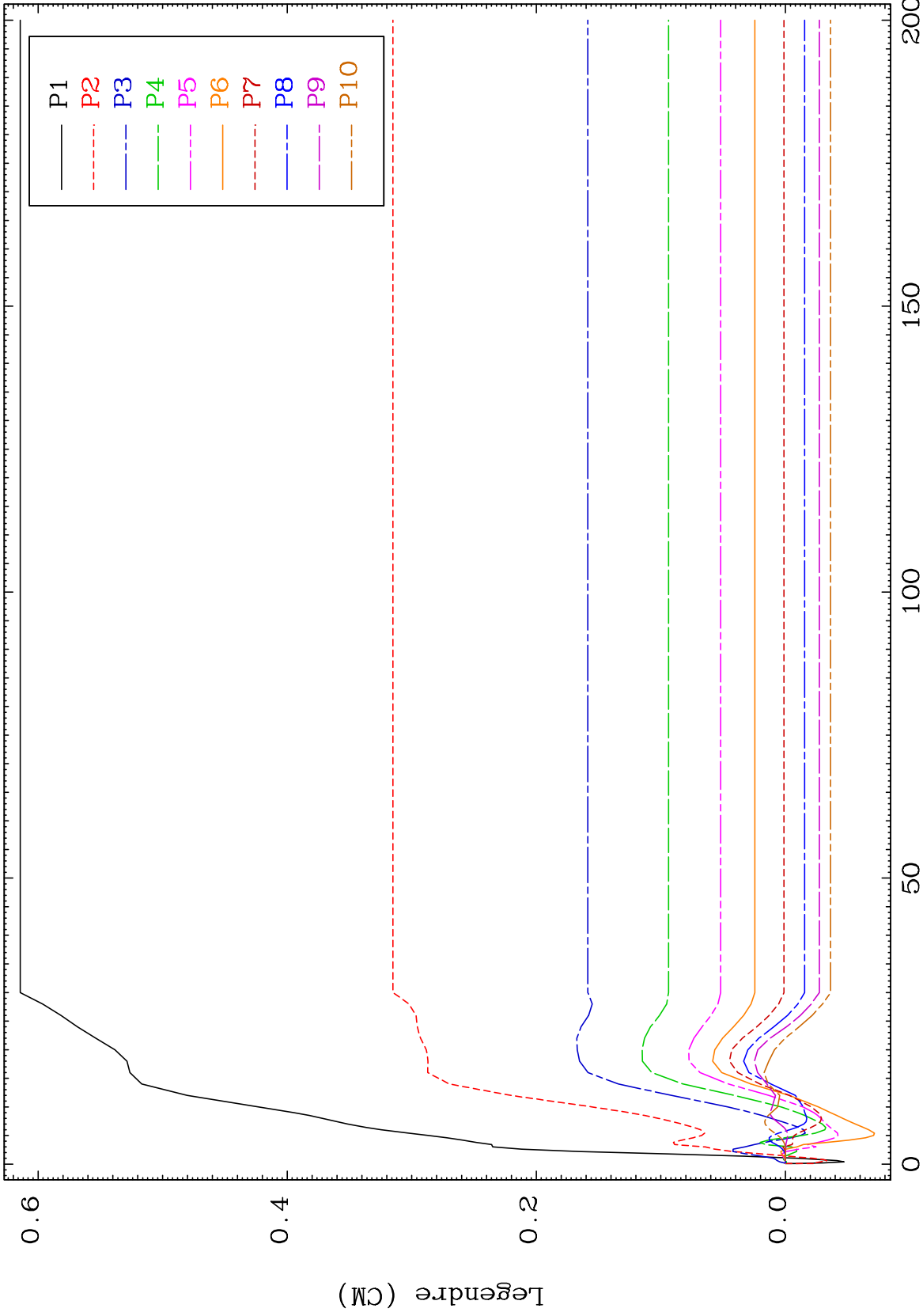
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



20

Incident Energy (MeV)

50

100

150

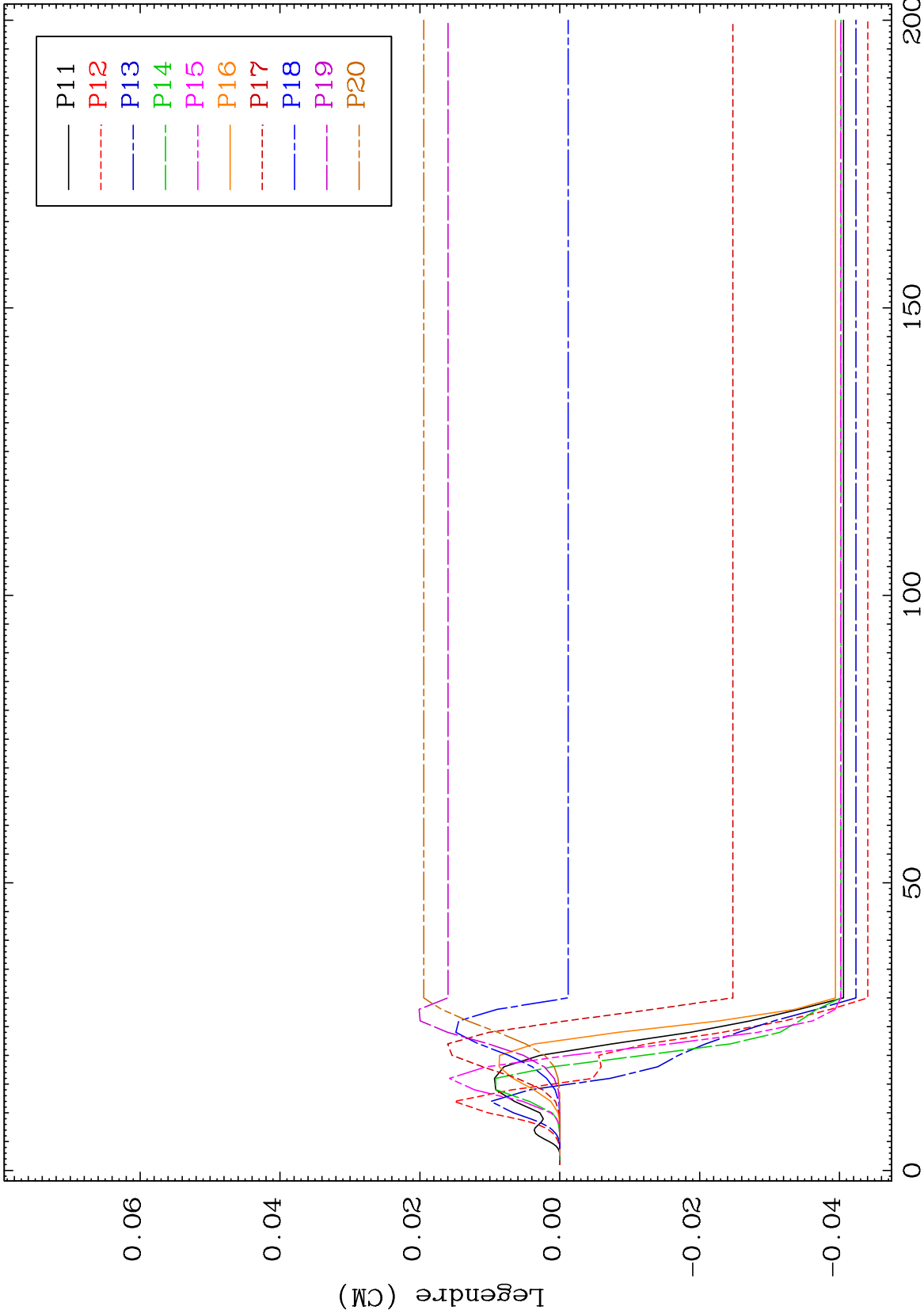
200

70-Yb-176

MAT 7049

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

70-Yb-176



21

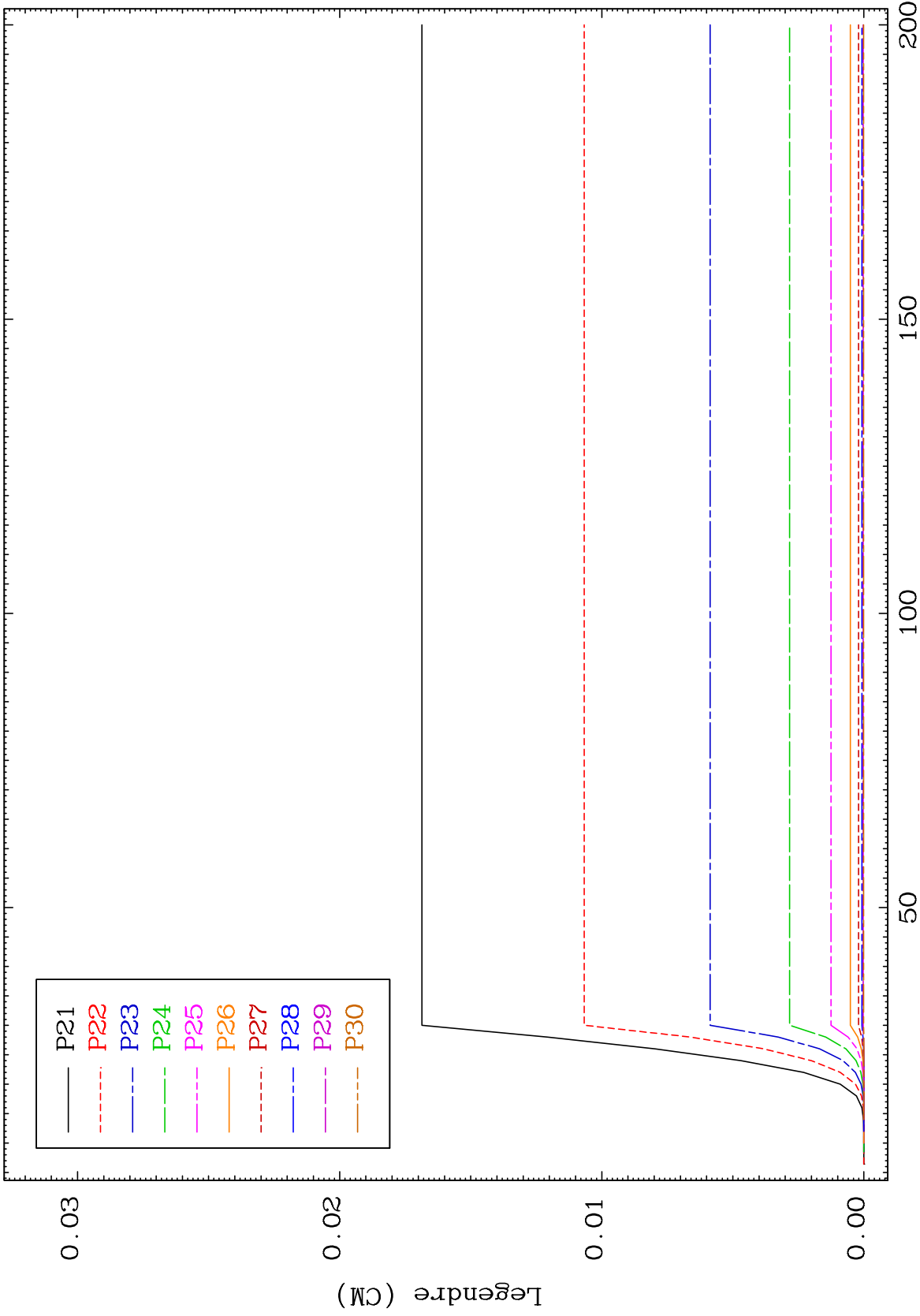
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



22

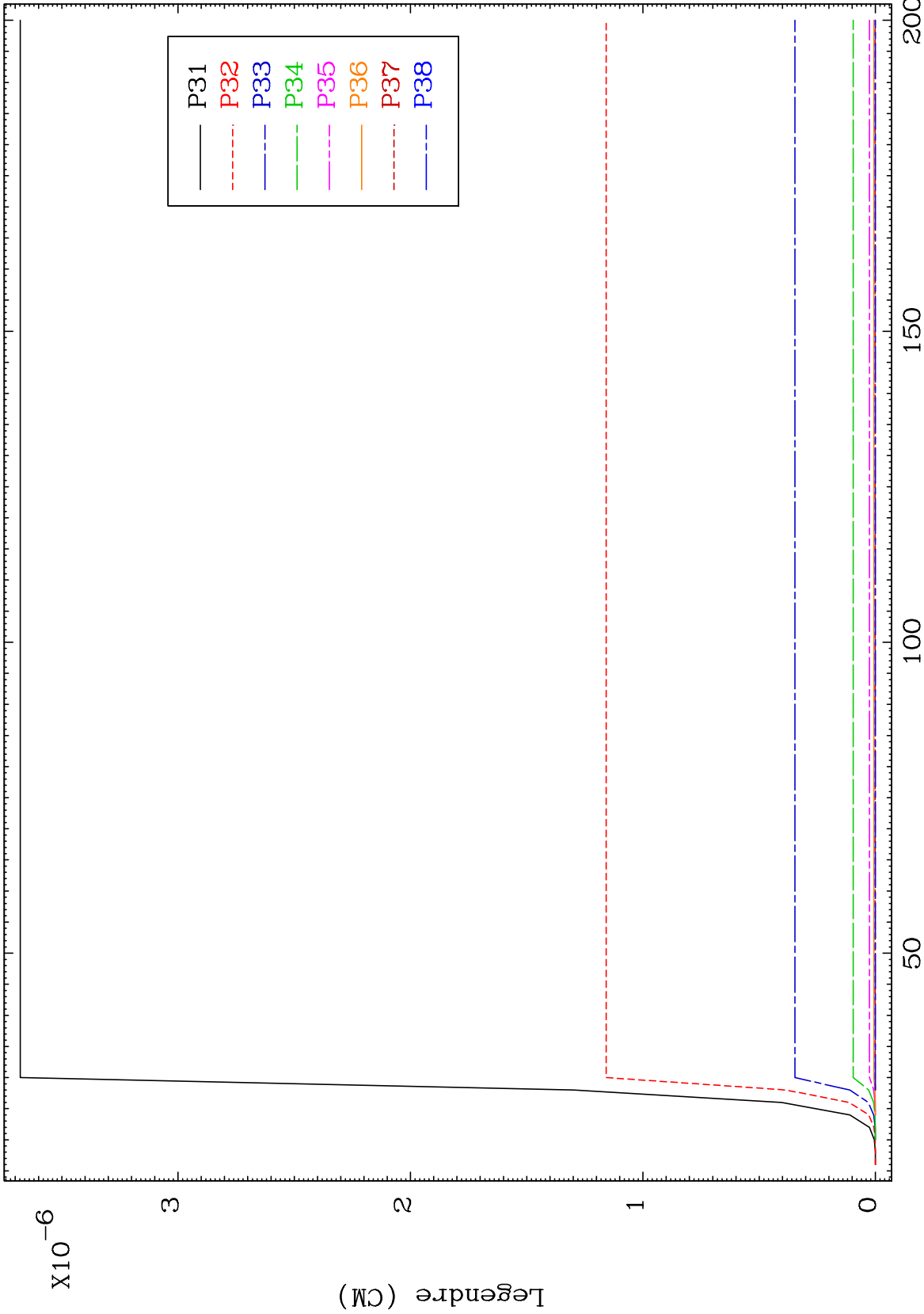
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



23

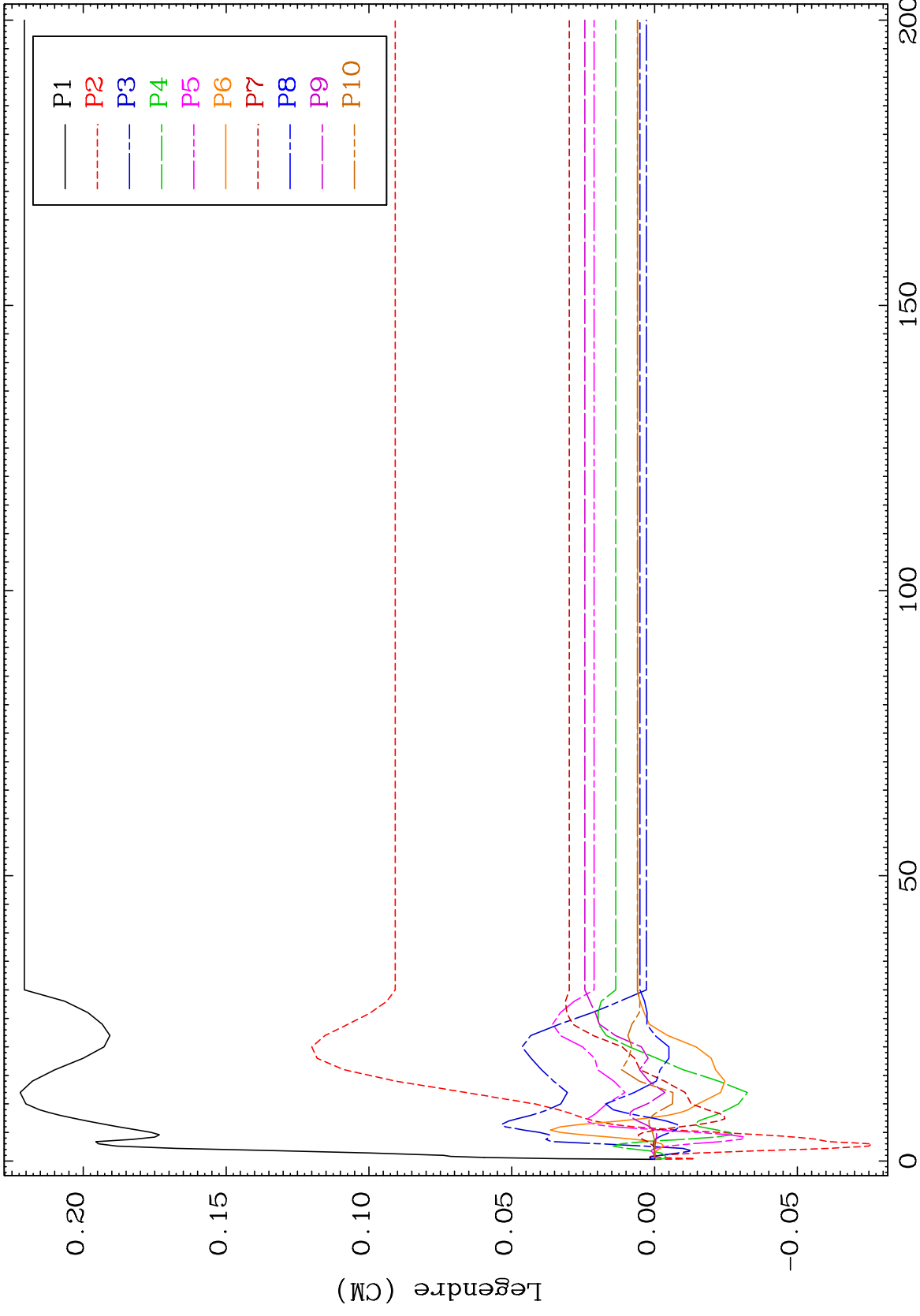
70-Yb-176



MAT 7049

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

70-Yb-176



24

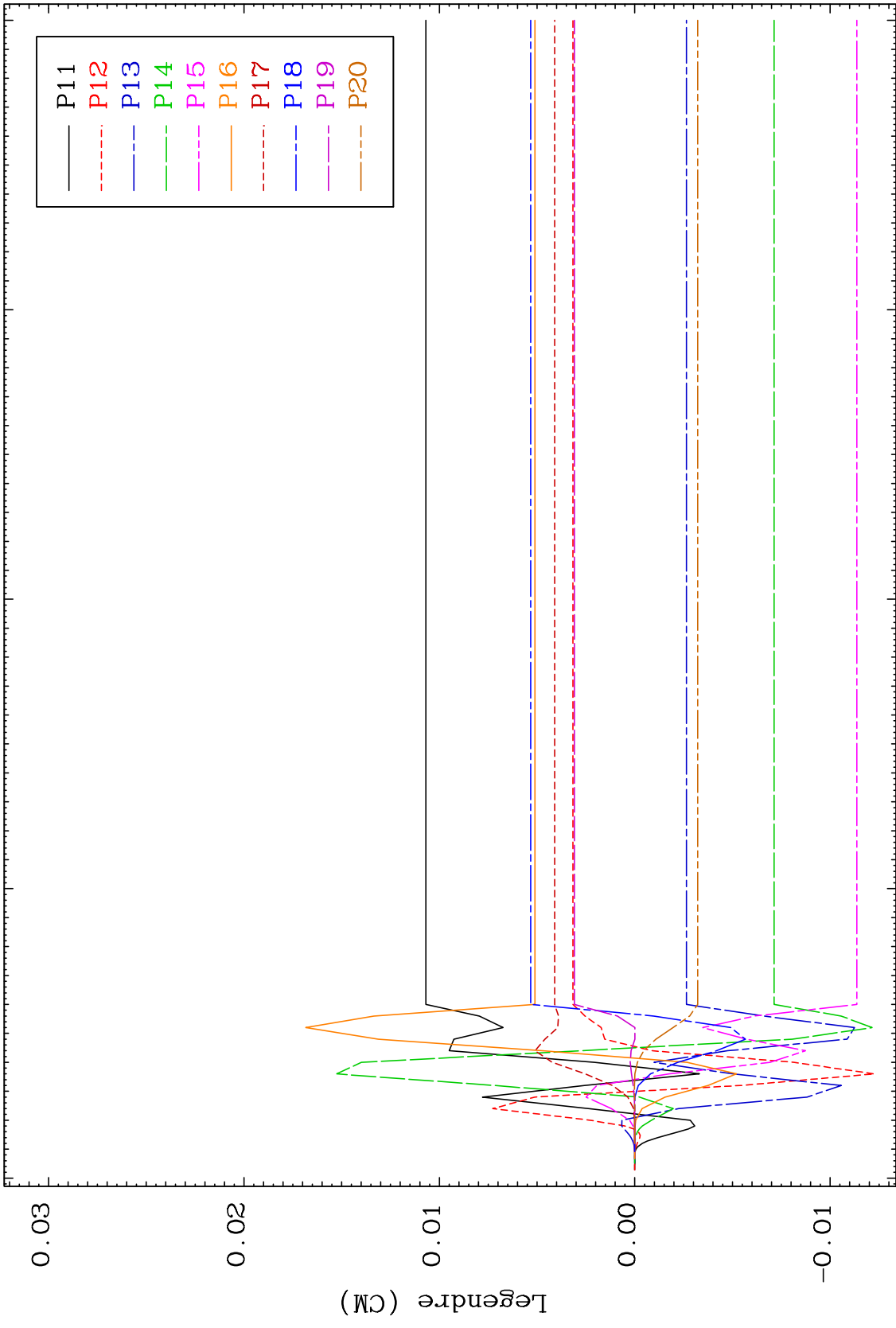
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



25

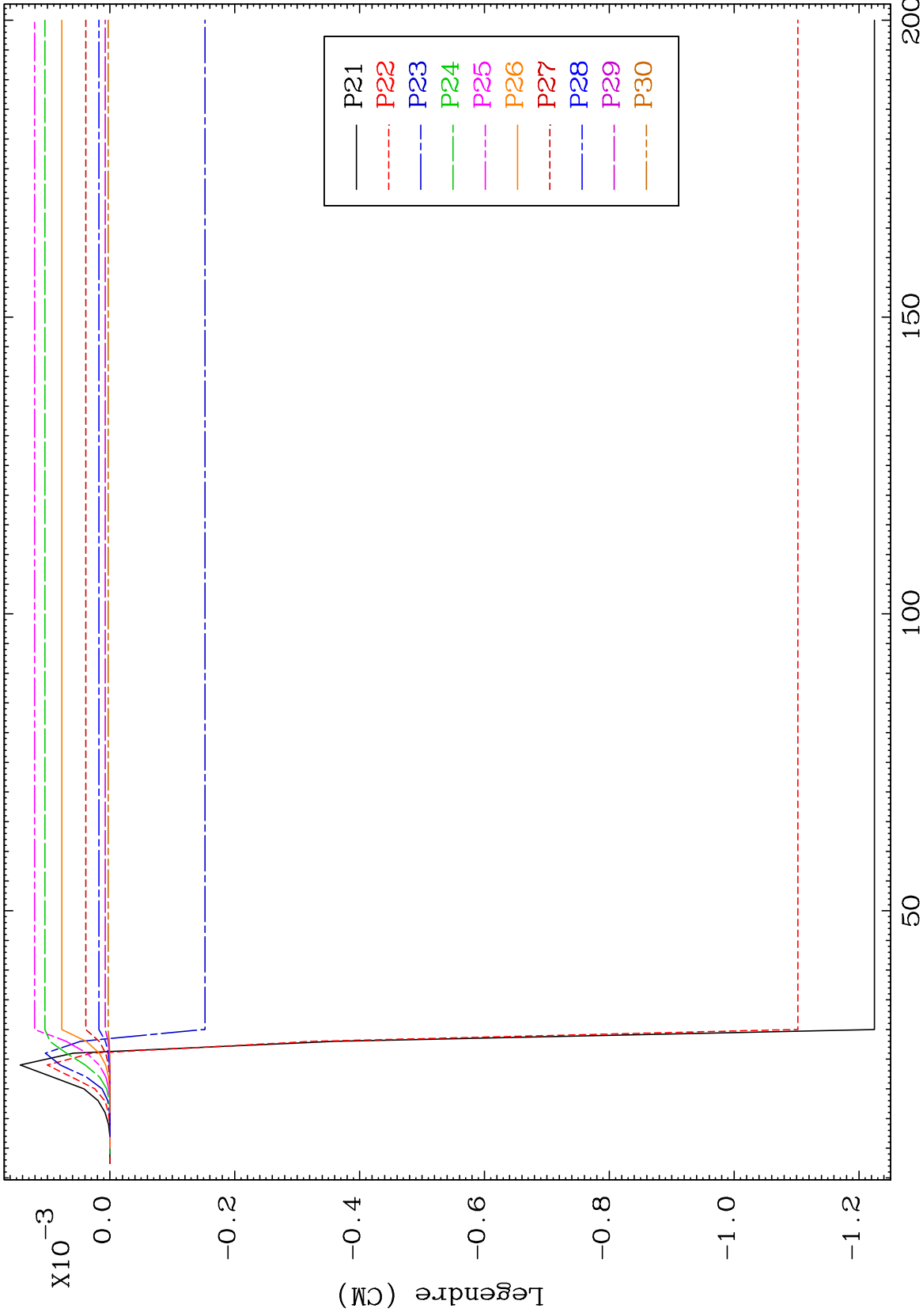
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



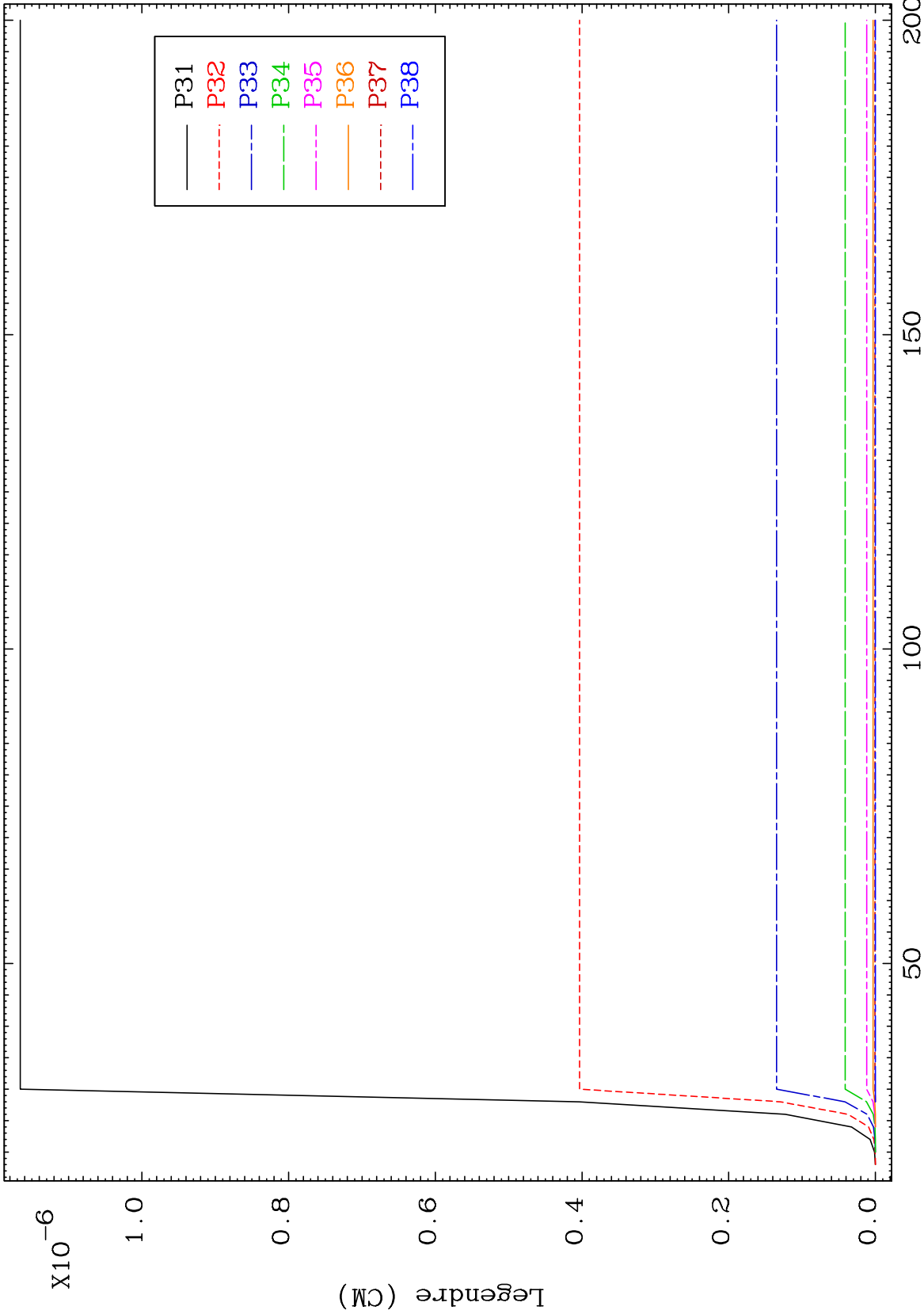
26

70-Yb-176

MAT 7049

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

70-Yb-176



27

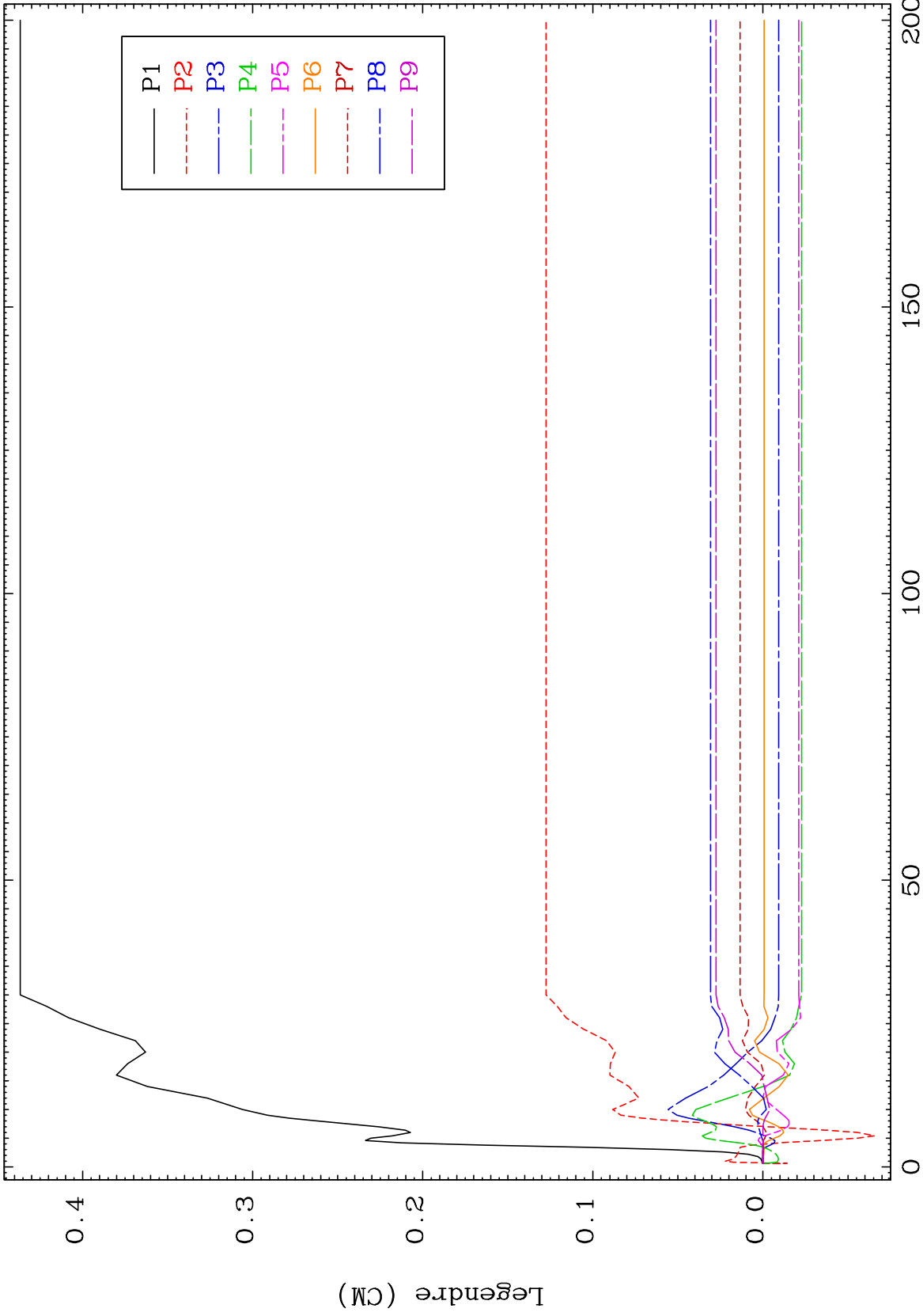
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



28

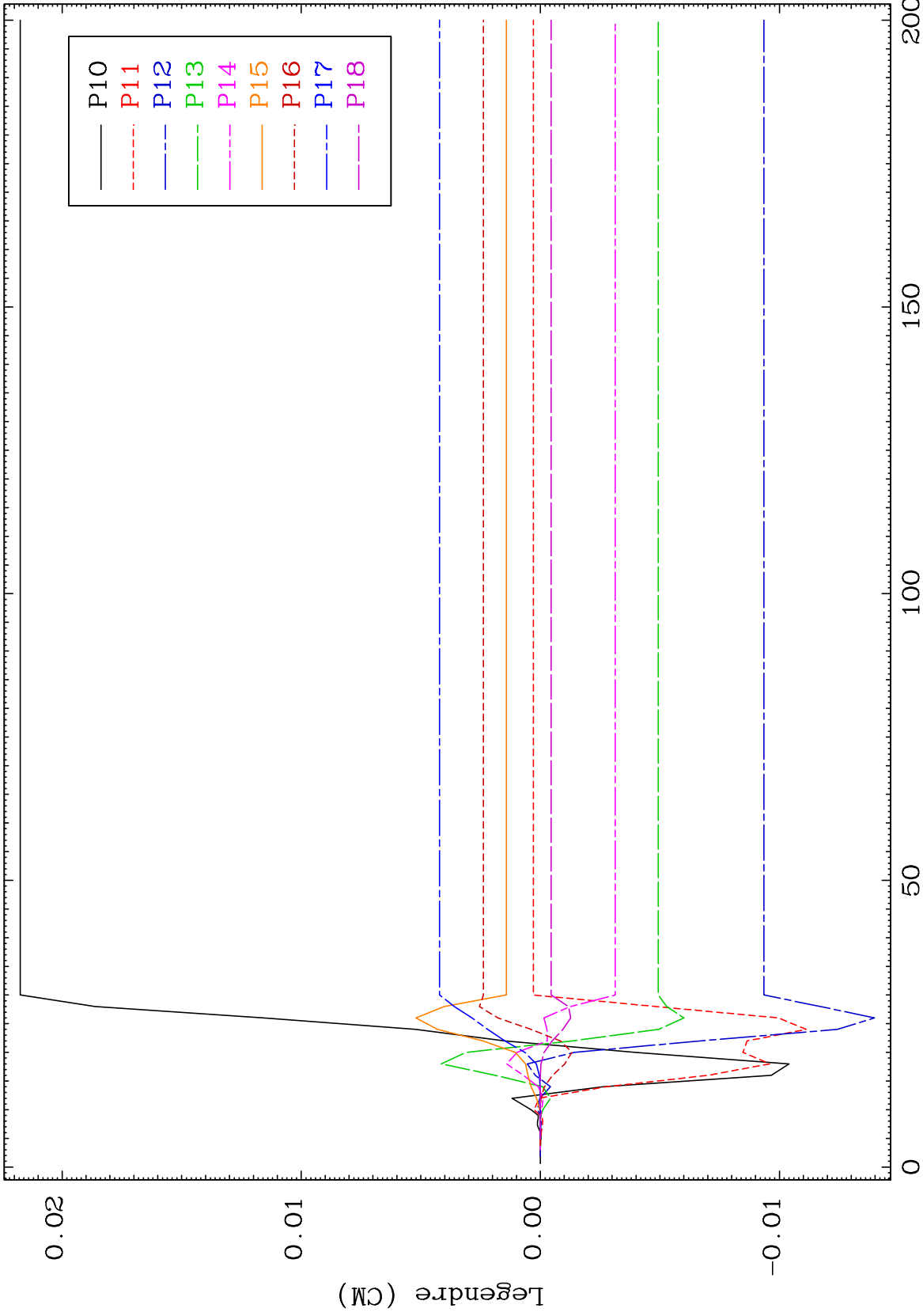
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



29

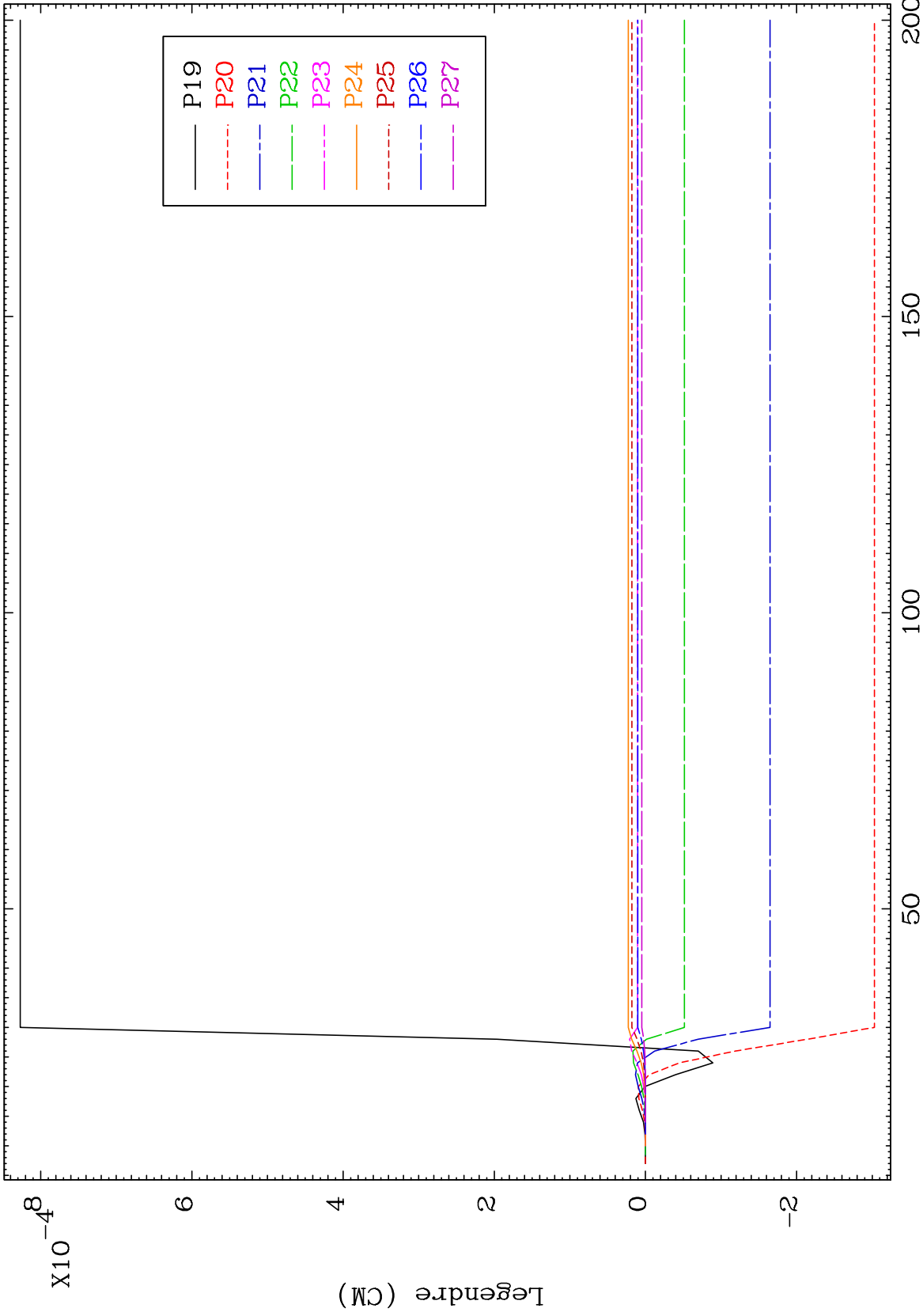
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



30

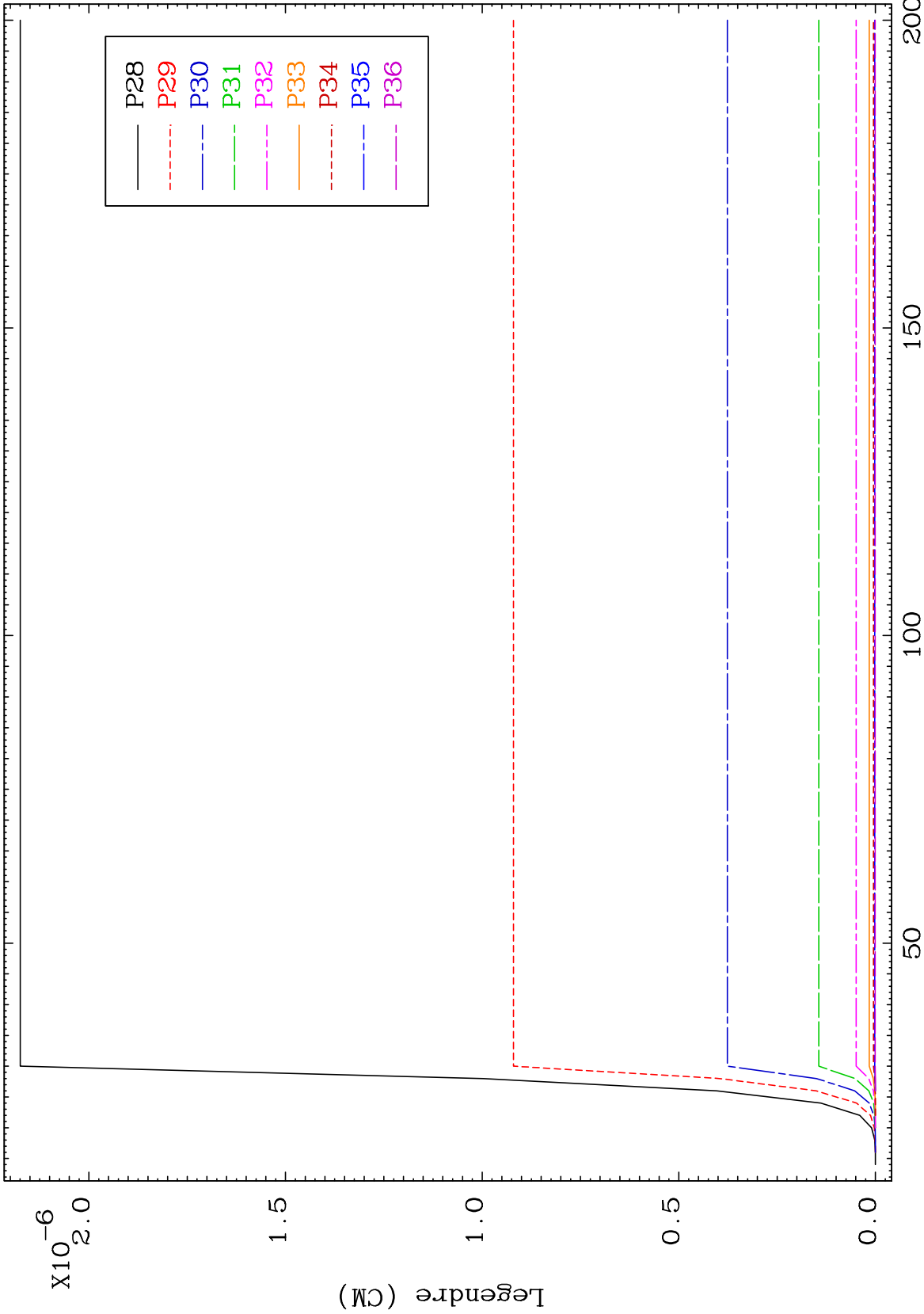
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



31

Incident Energy (MeV)

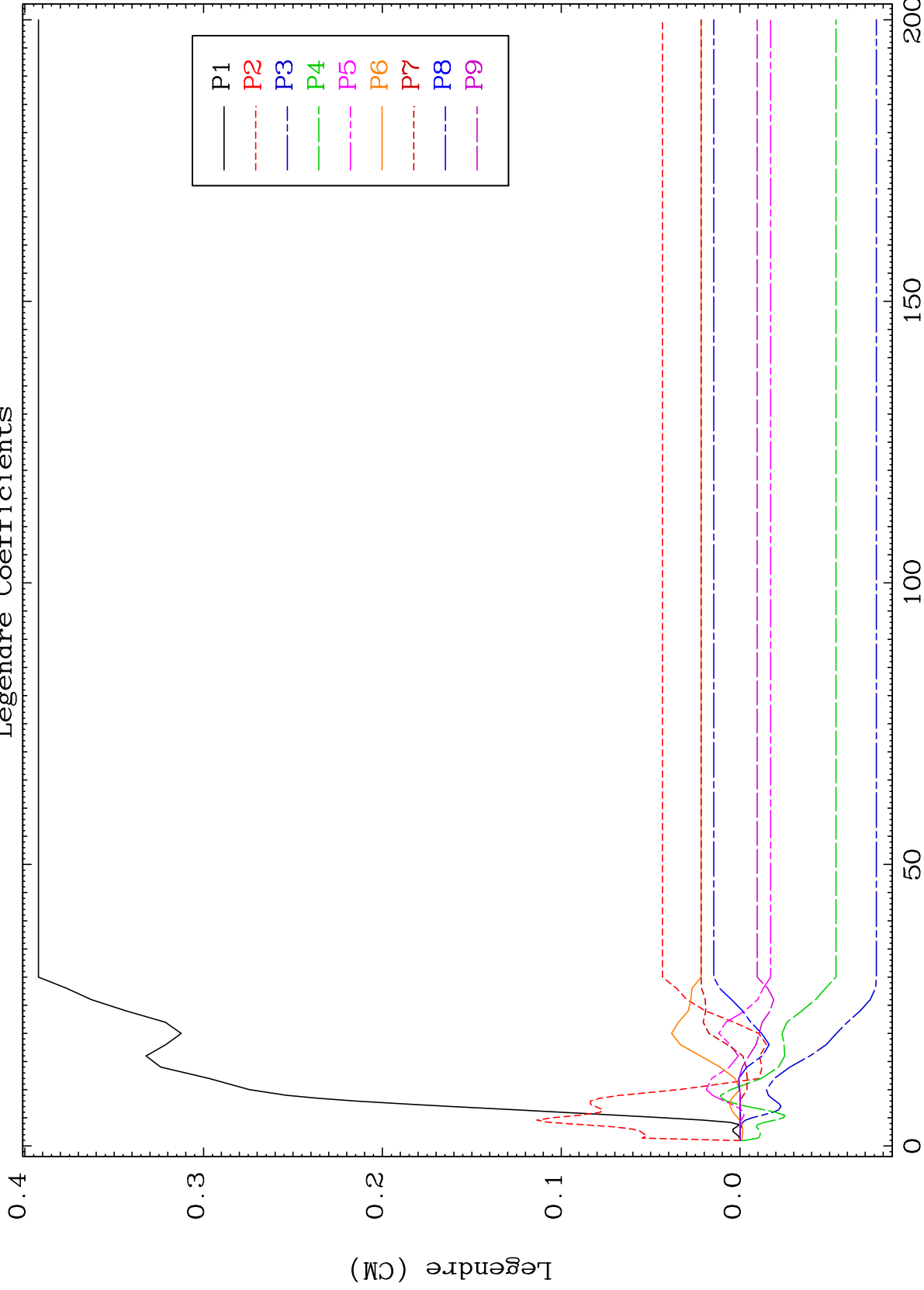
70-Yb-176



MAT 7049

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

70-Yb-176



32

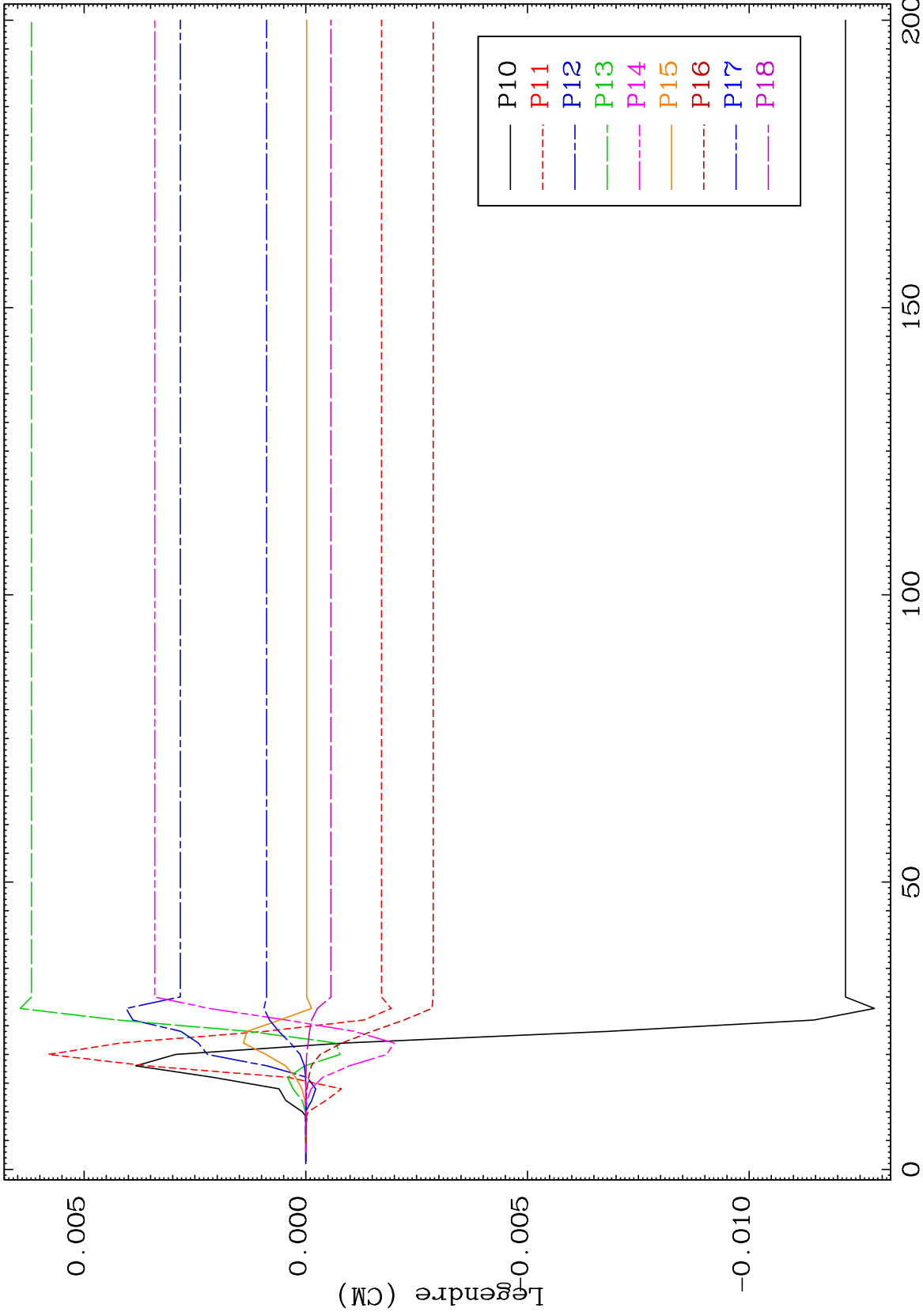
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



33

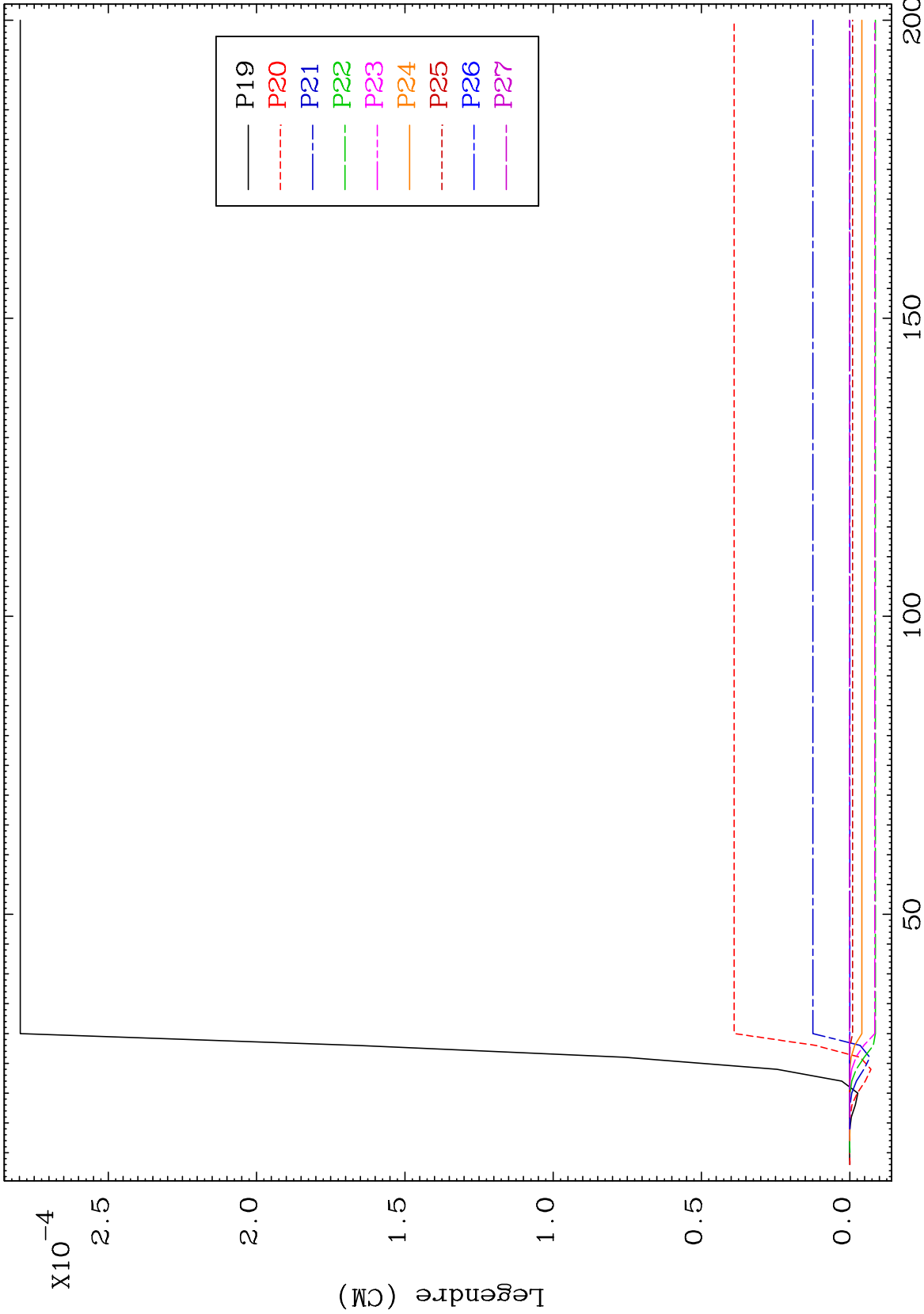
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



34

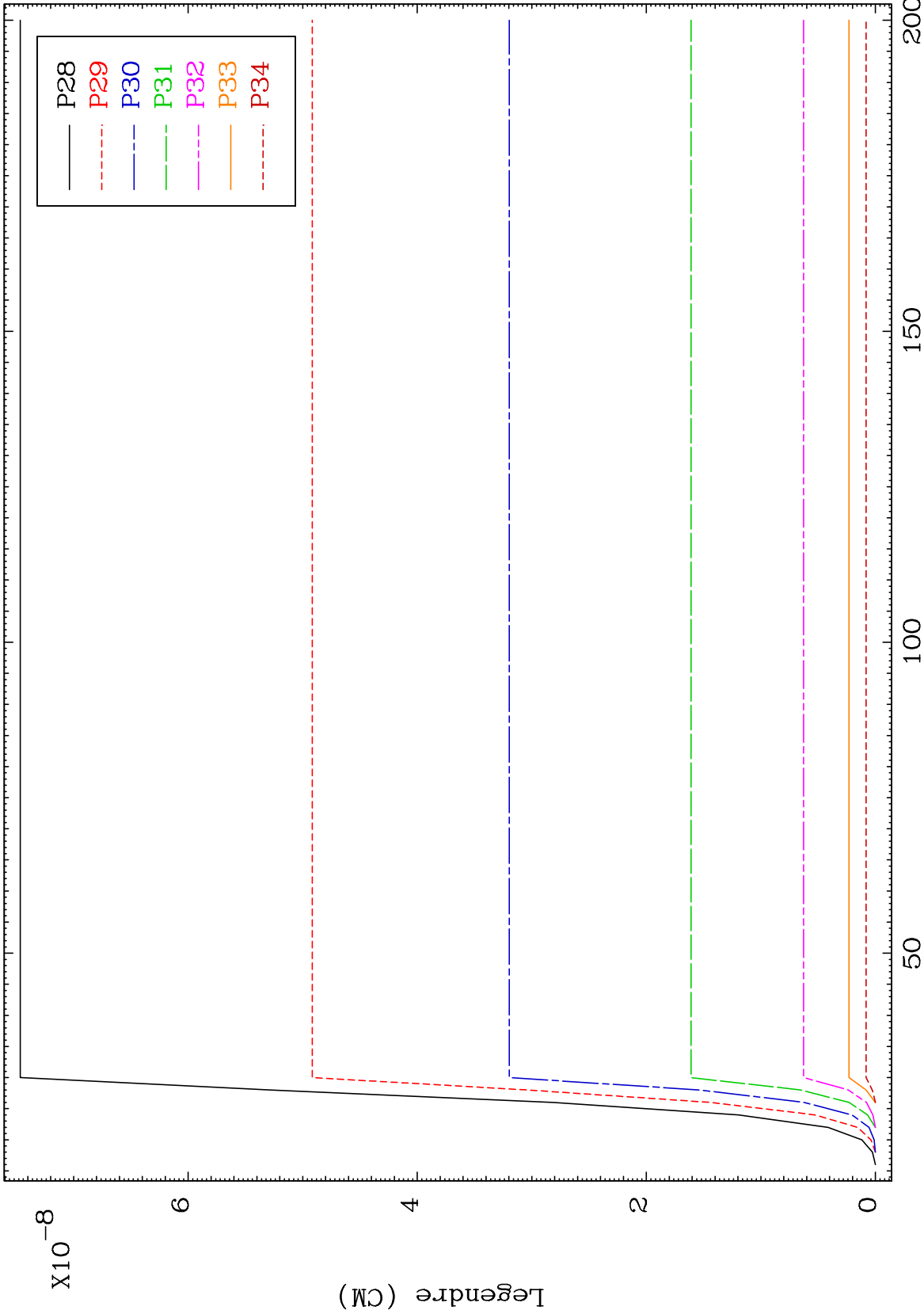
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



35

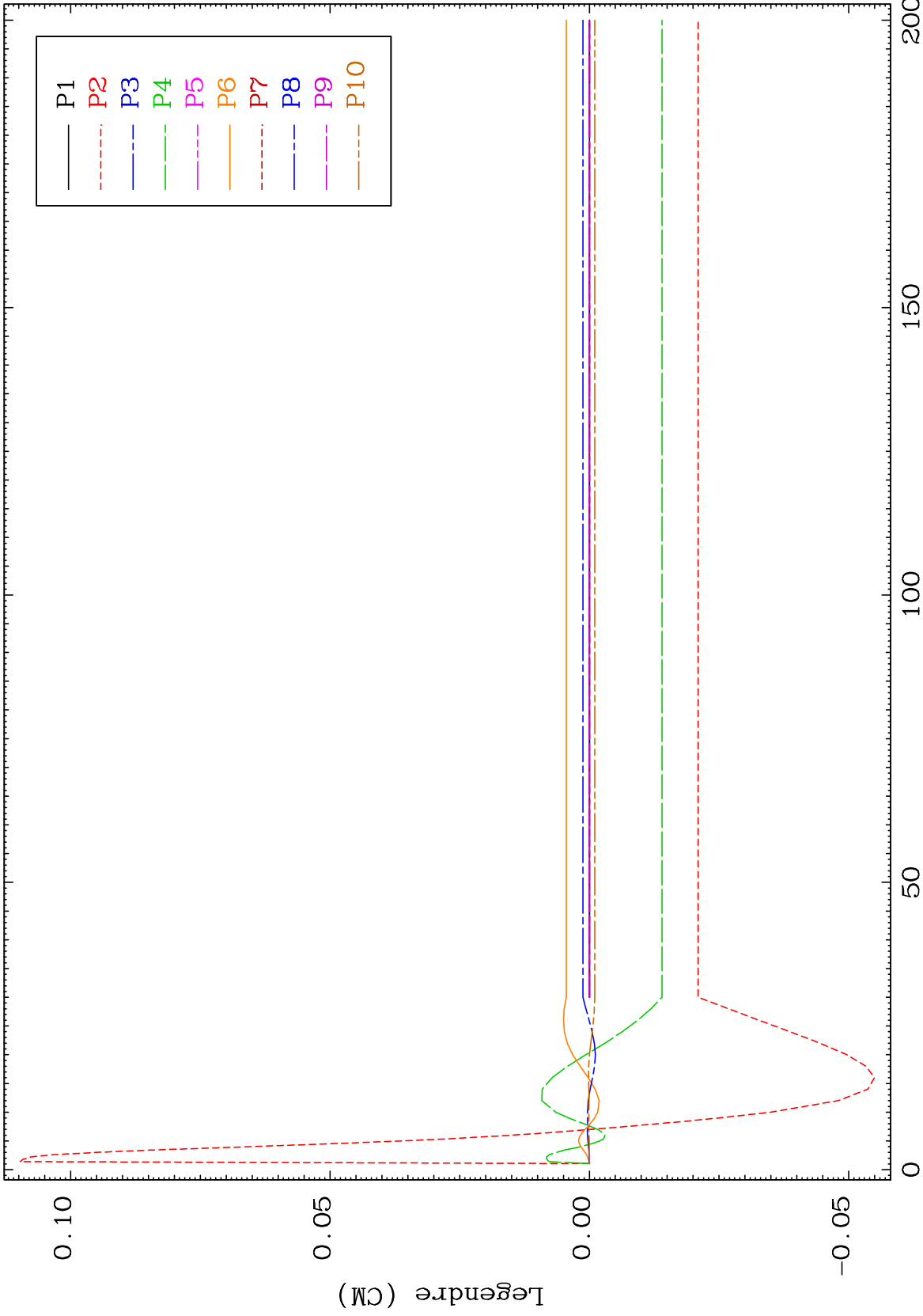
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



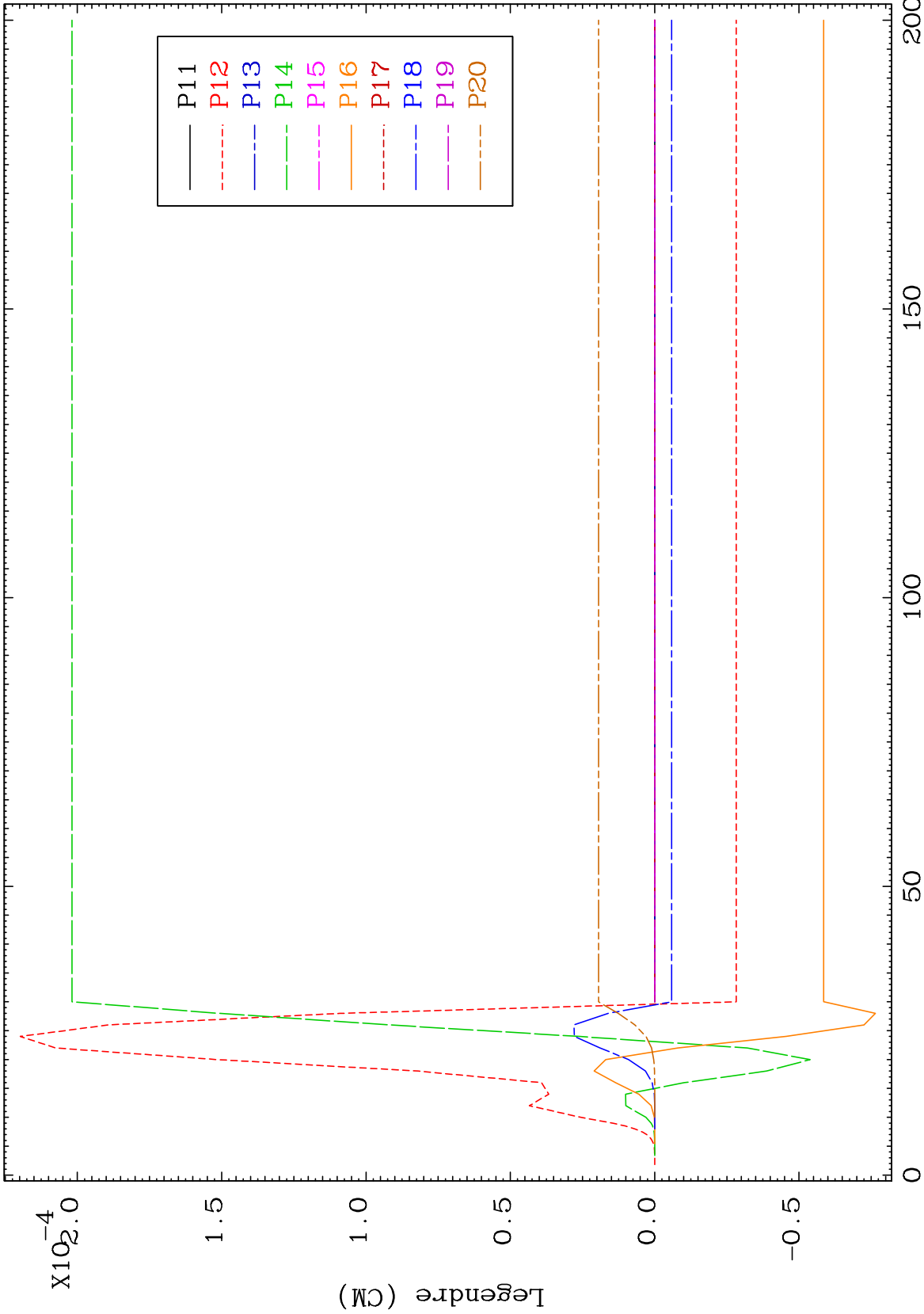
36

70-Yb-176

MAT 7049

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

70-Yb-176



37

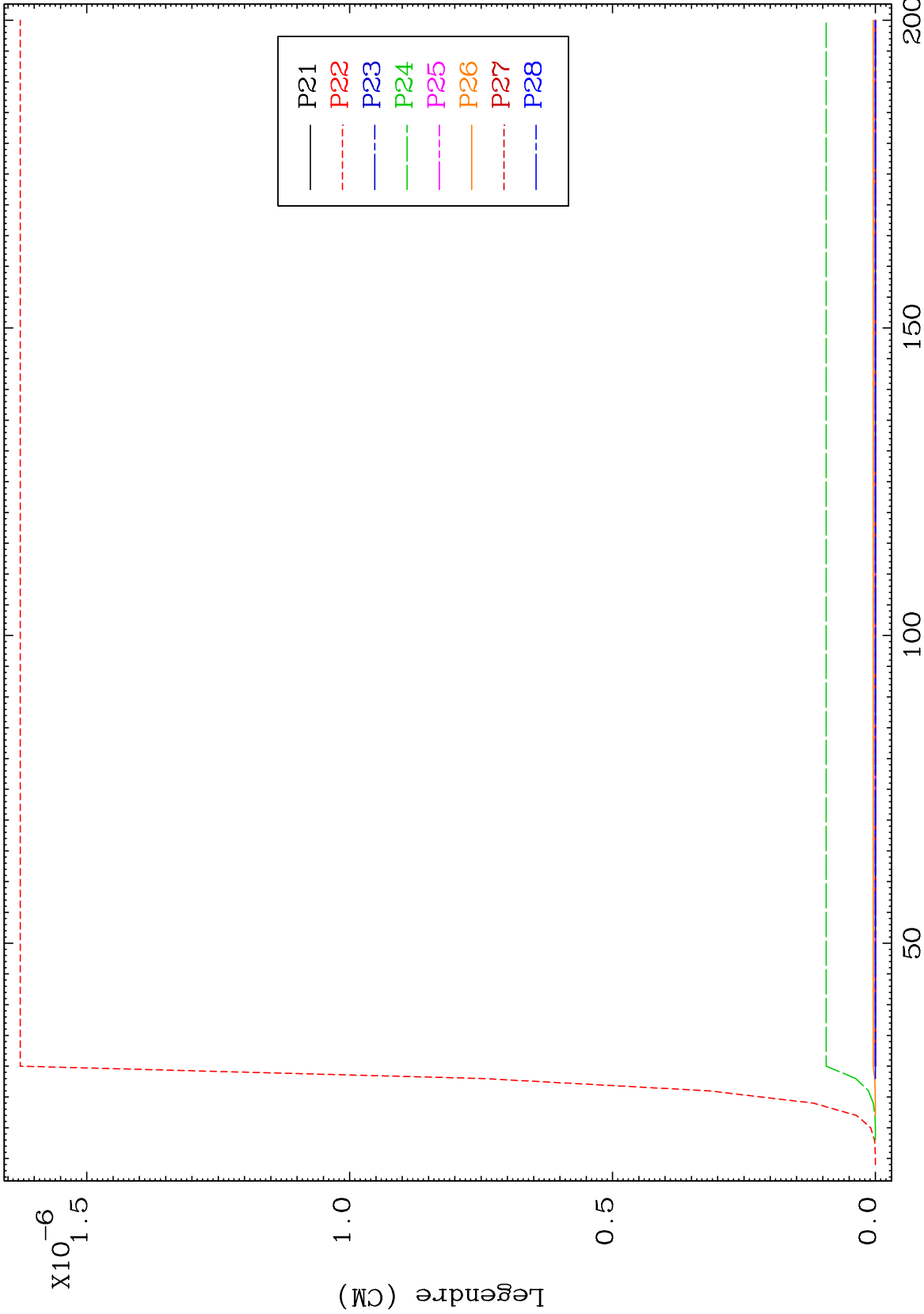
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



38

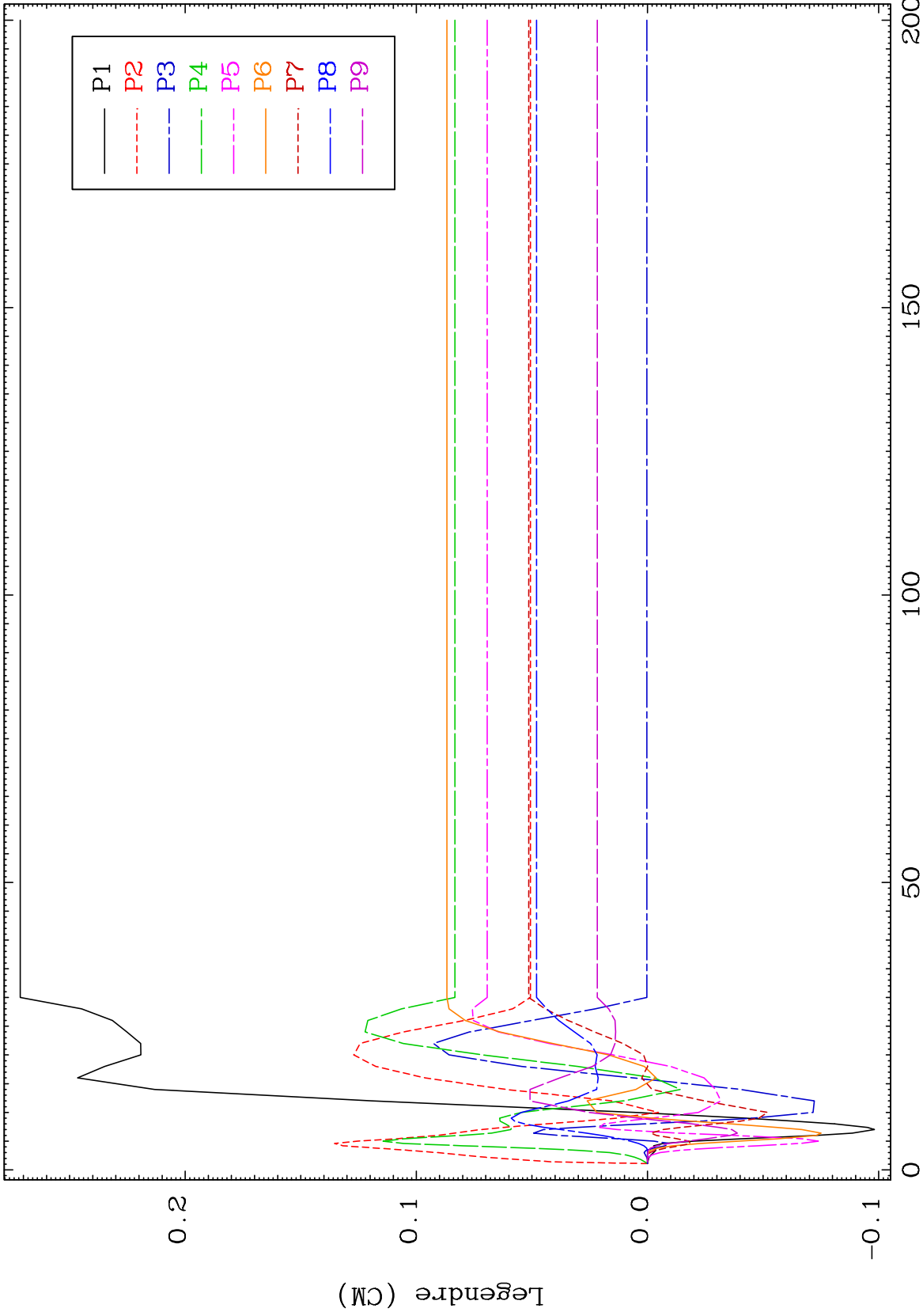
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



39

Incident Energy (MeV)

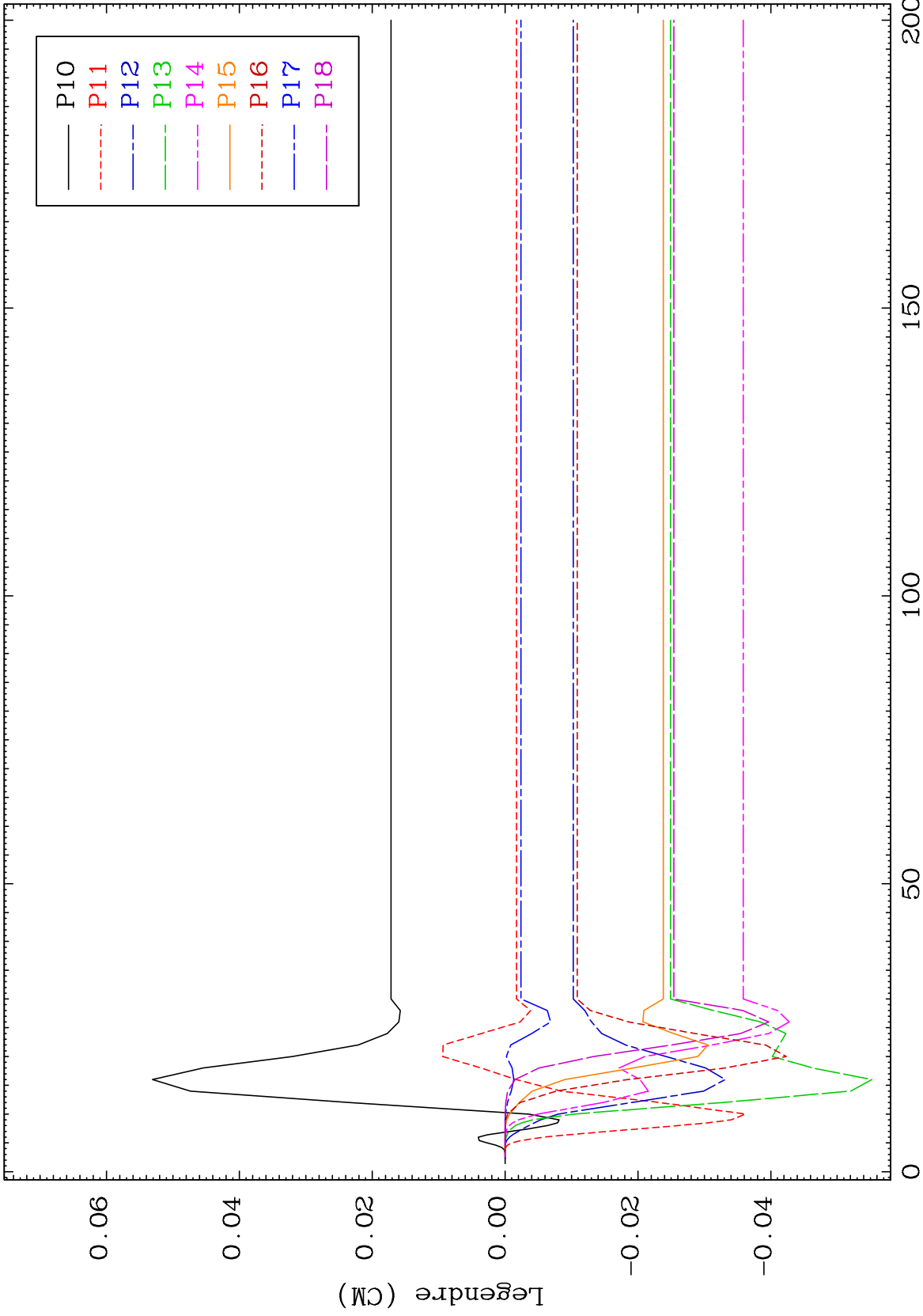
70-Yb-176



MAT 7049

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

70-Yb-176



40

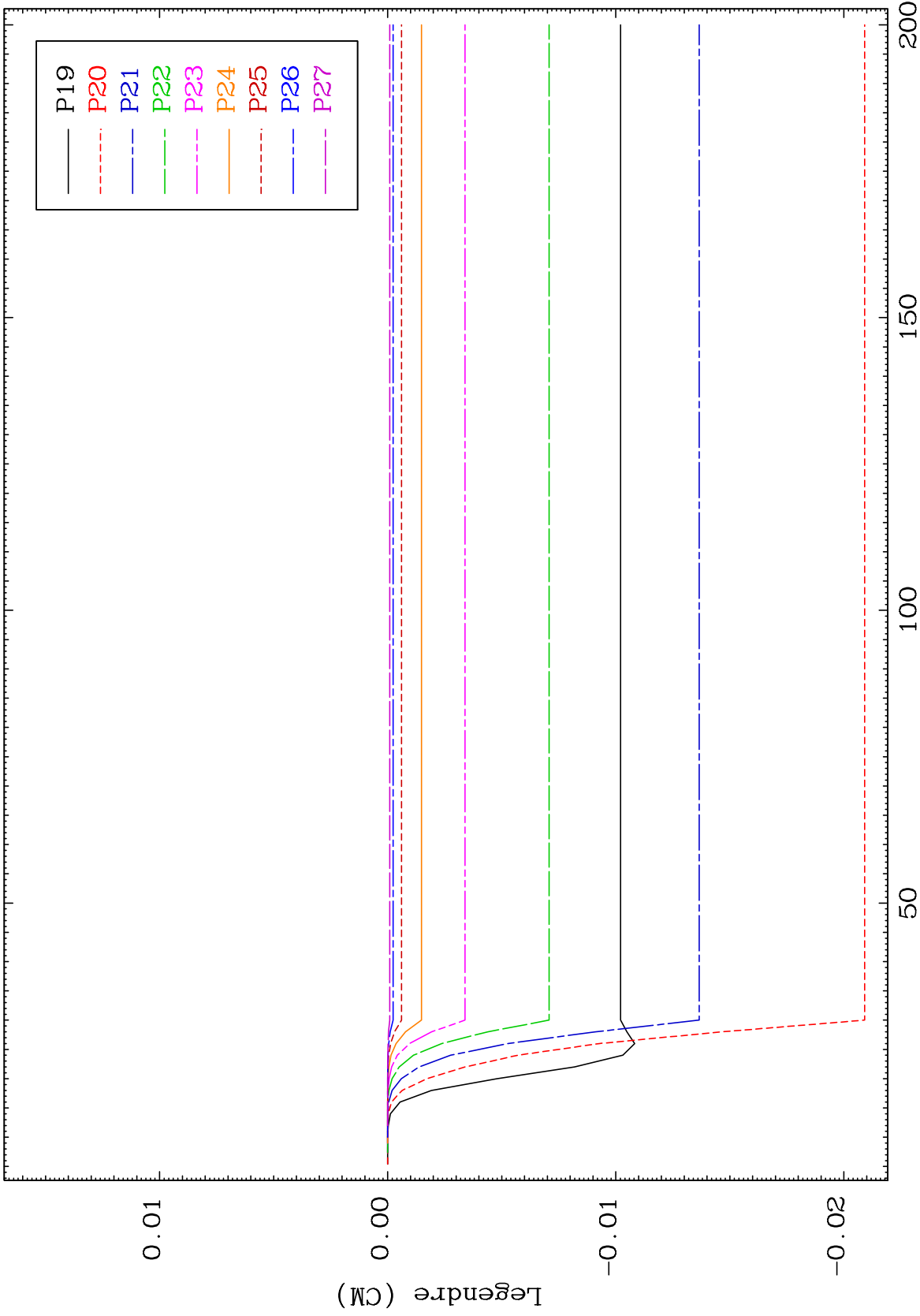
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



41

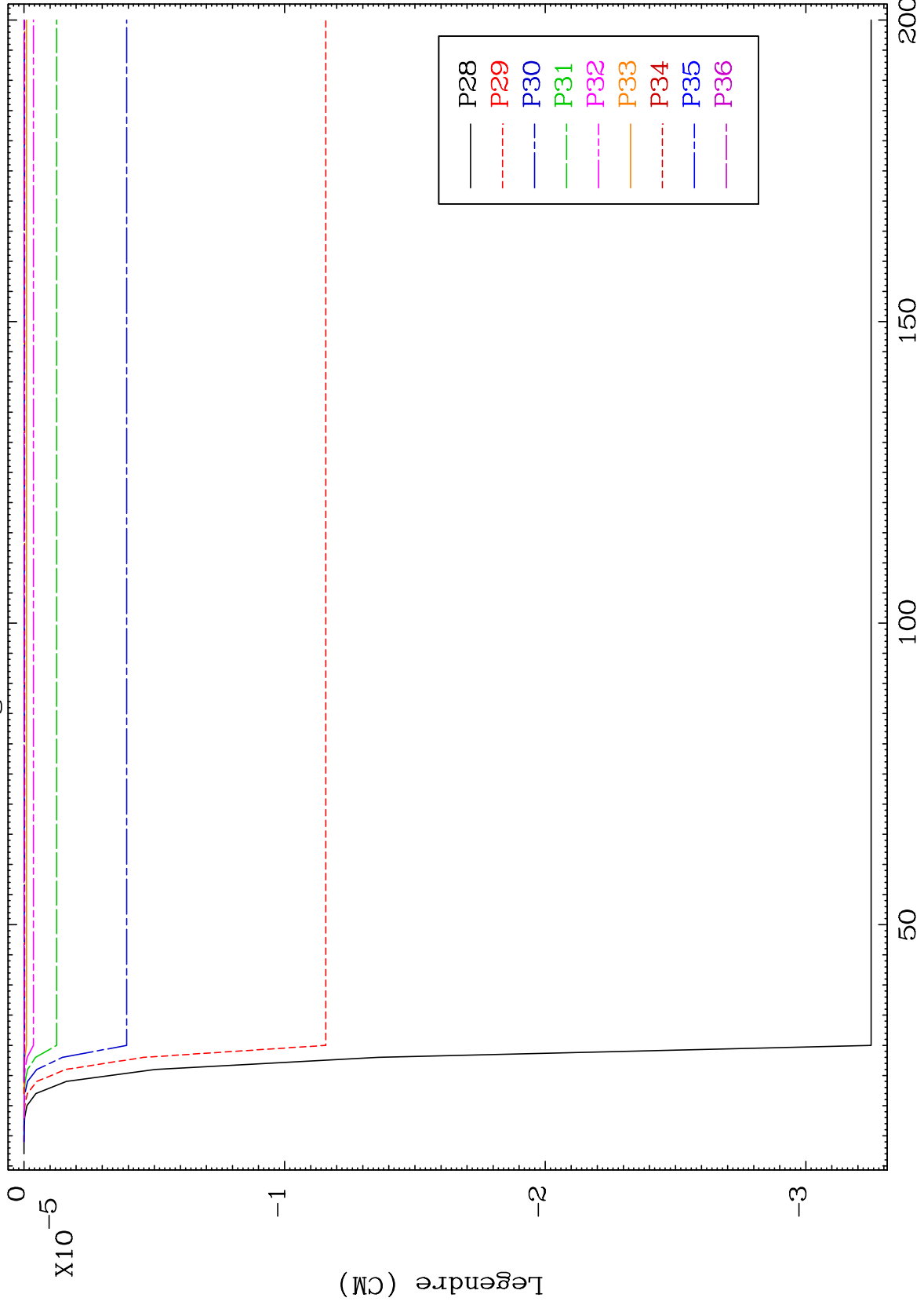
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



70-Yb-176

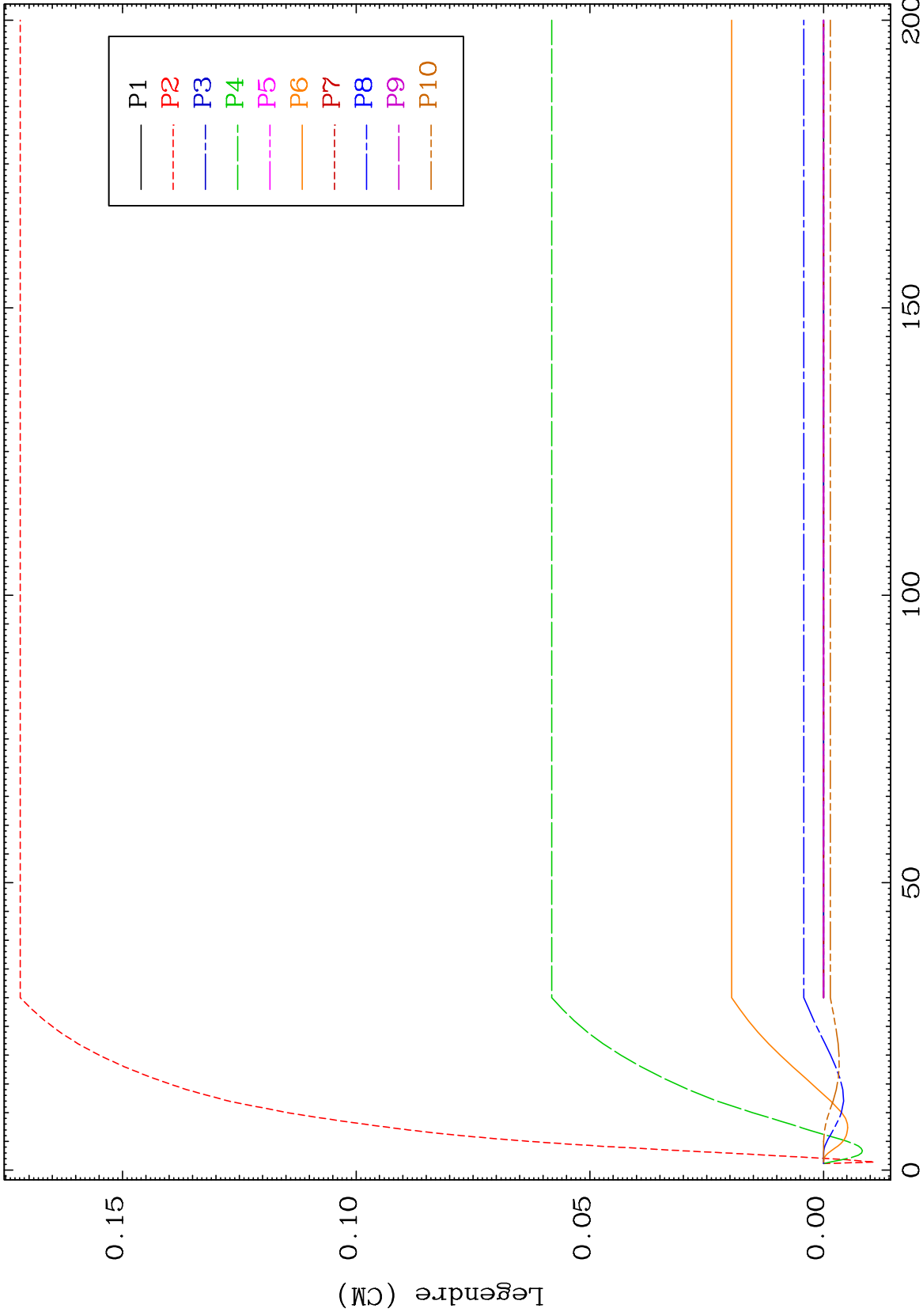
Incident Energy (MeV)

42

MAT 7049

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

70-Yb-176



43

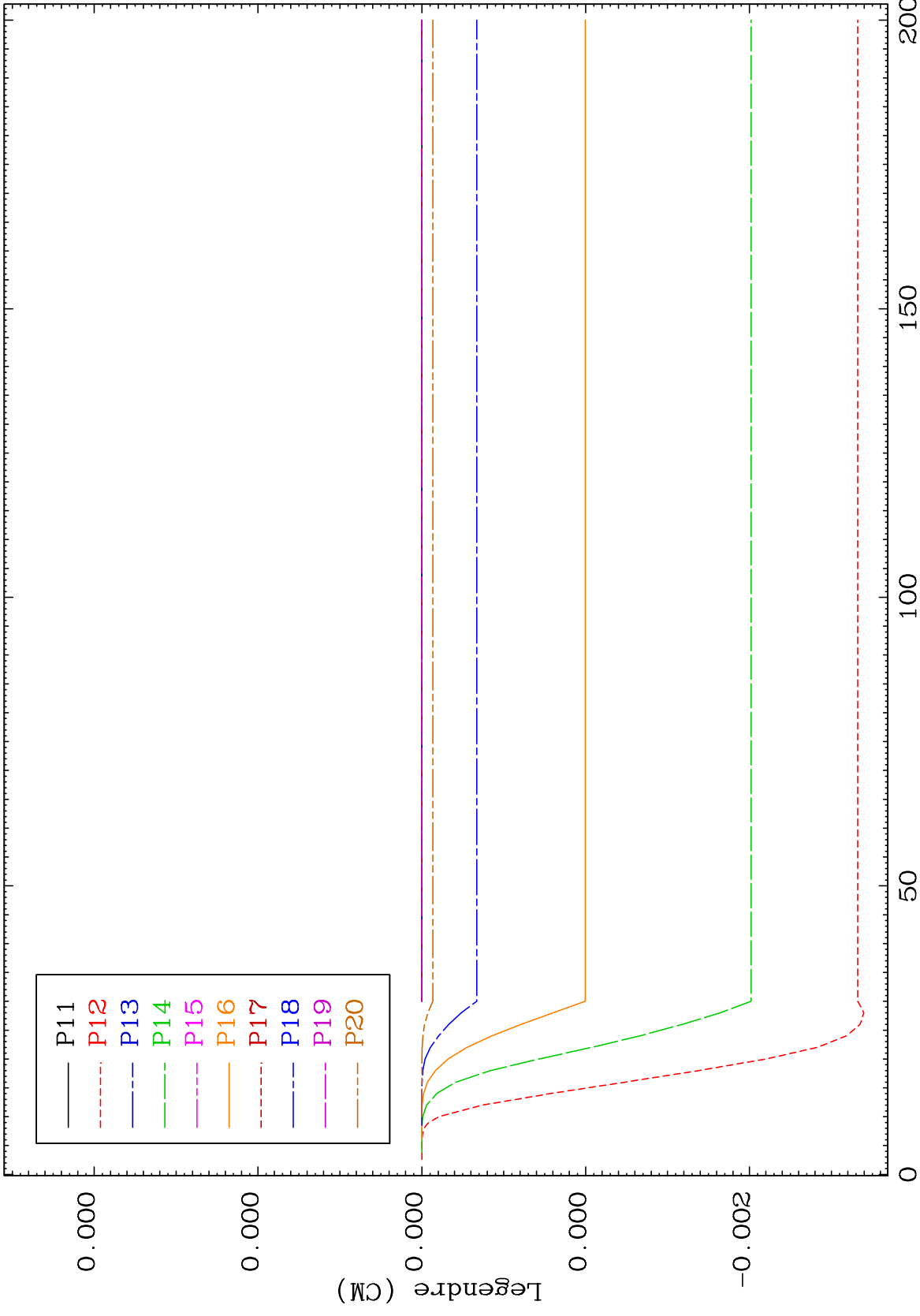
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176

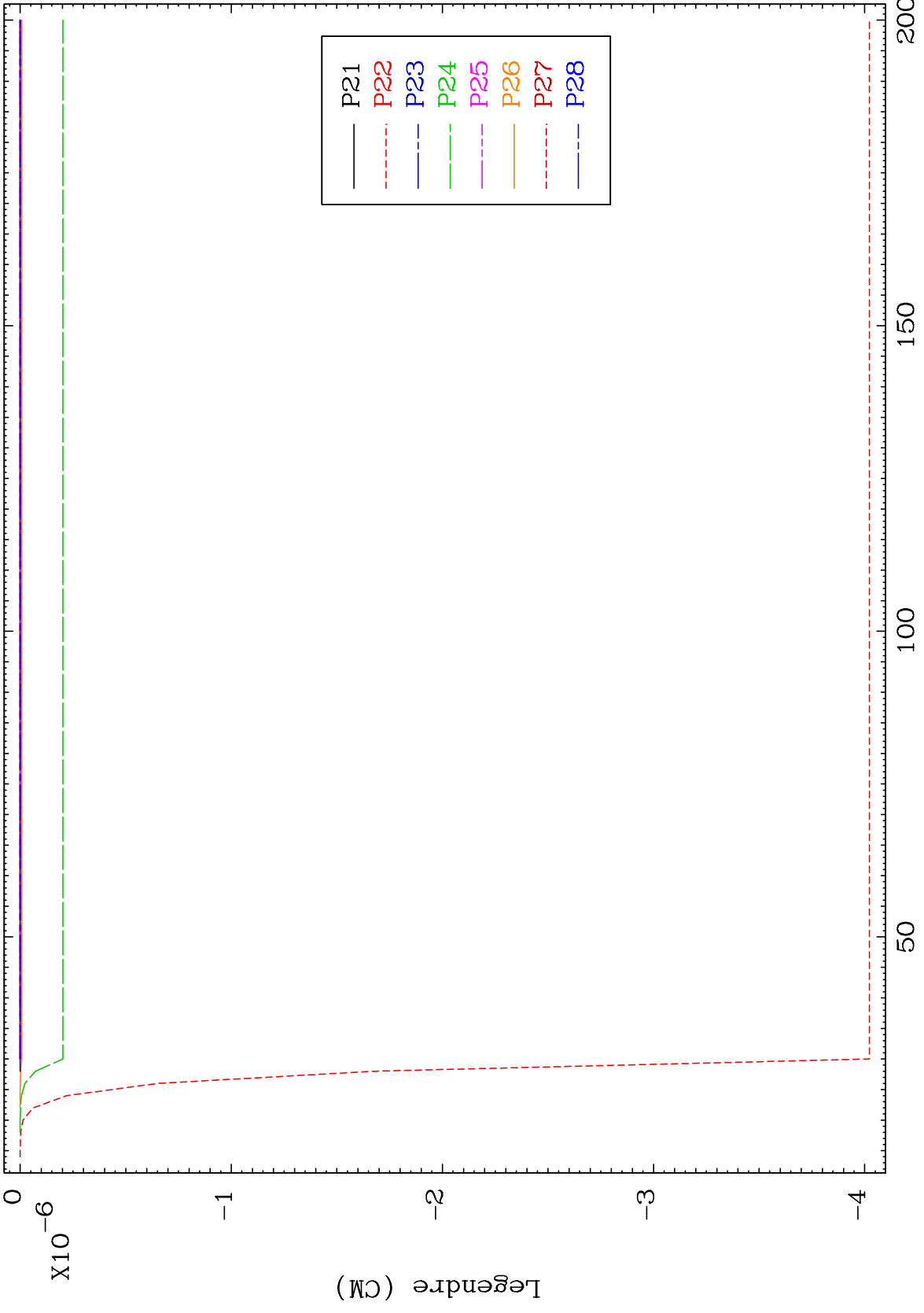


44

Incident Energy (MeV)

70-Yb-176

MAT 7049 MT= 57 (n,n') Level Legendre Coefficients 70-Yb-176

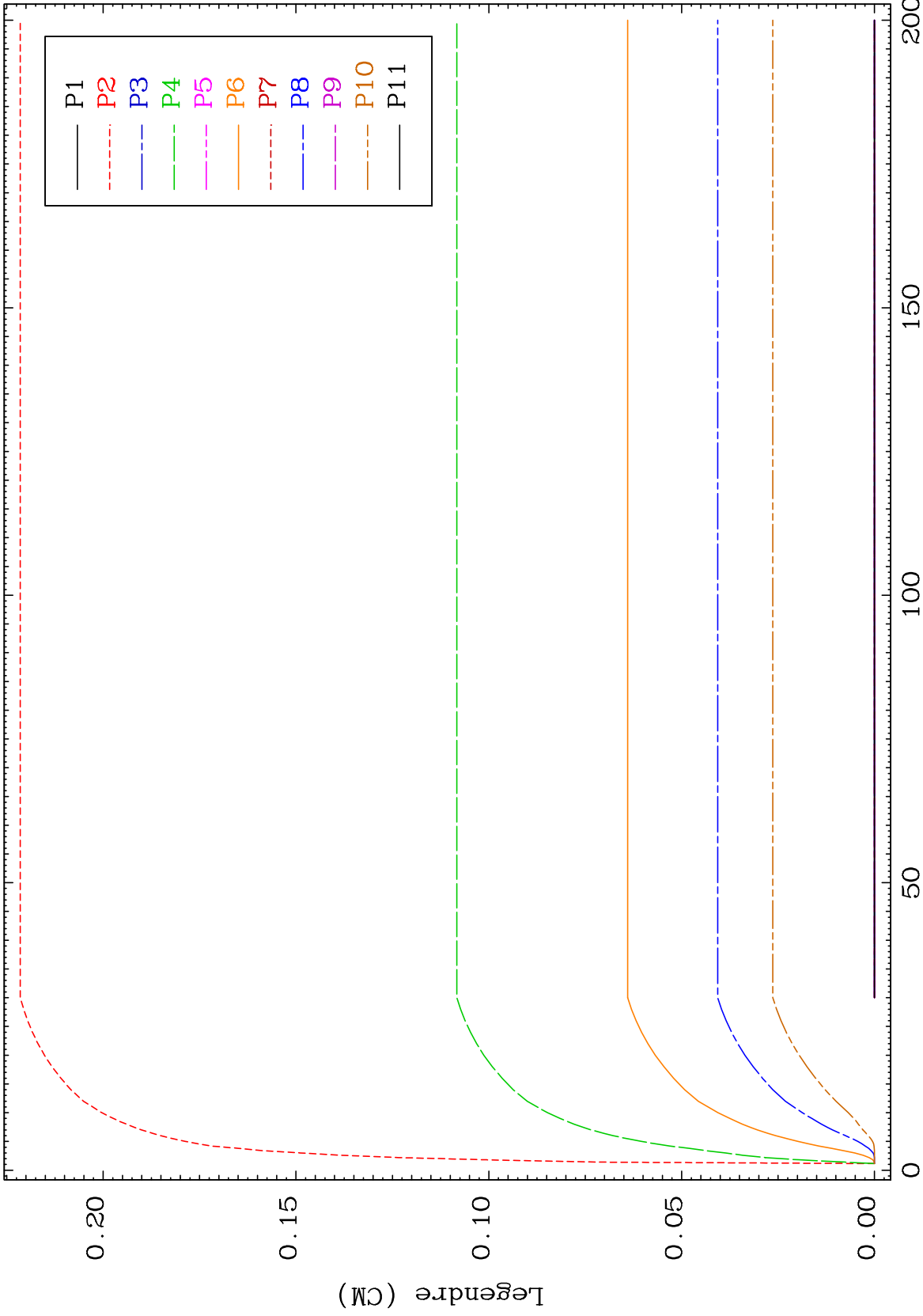


45 Incident Energy (MeV) 70-Yb-176

MAT 7049

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

70-Yb-176



46

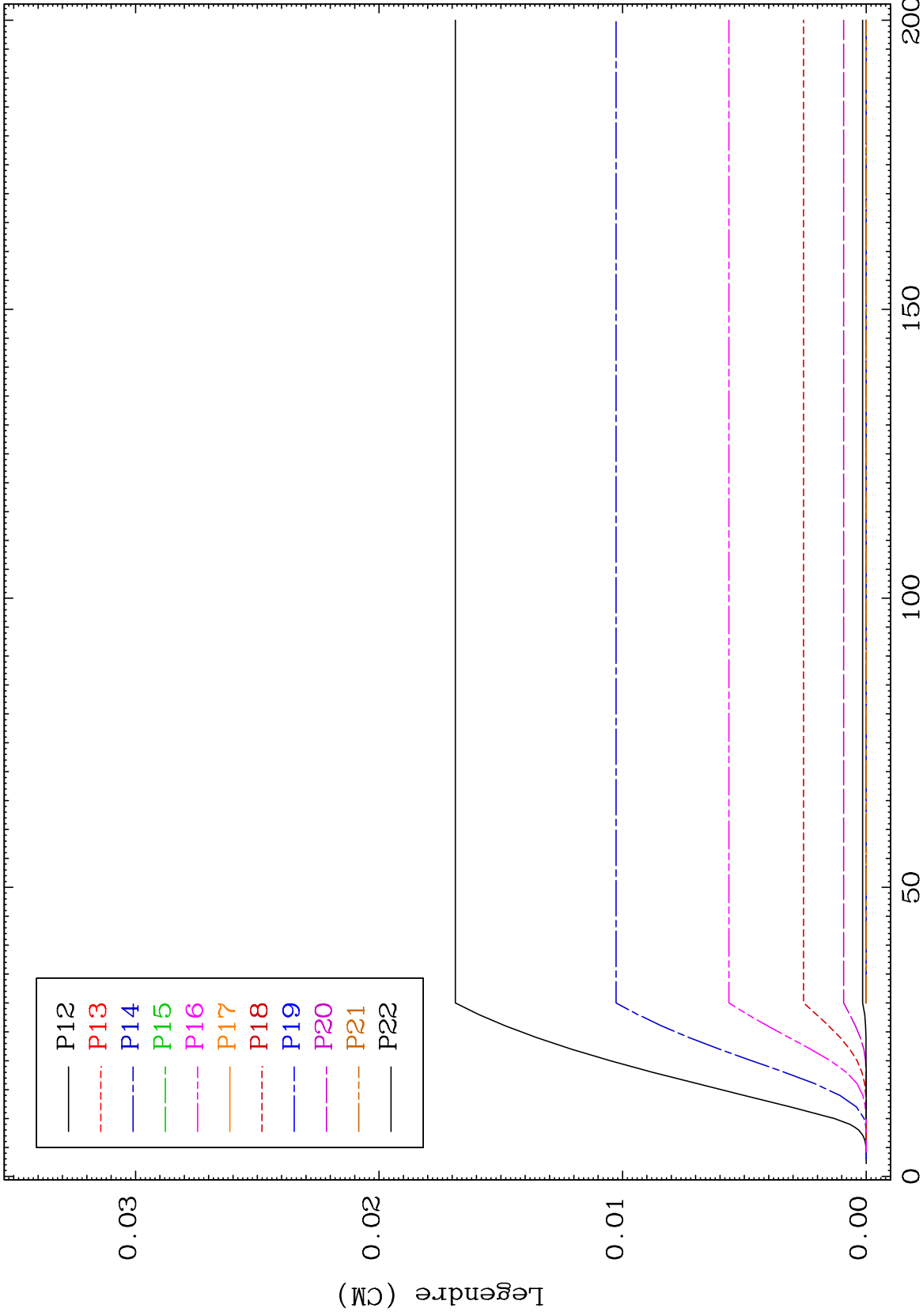
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



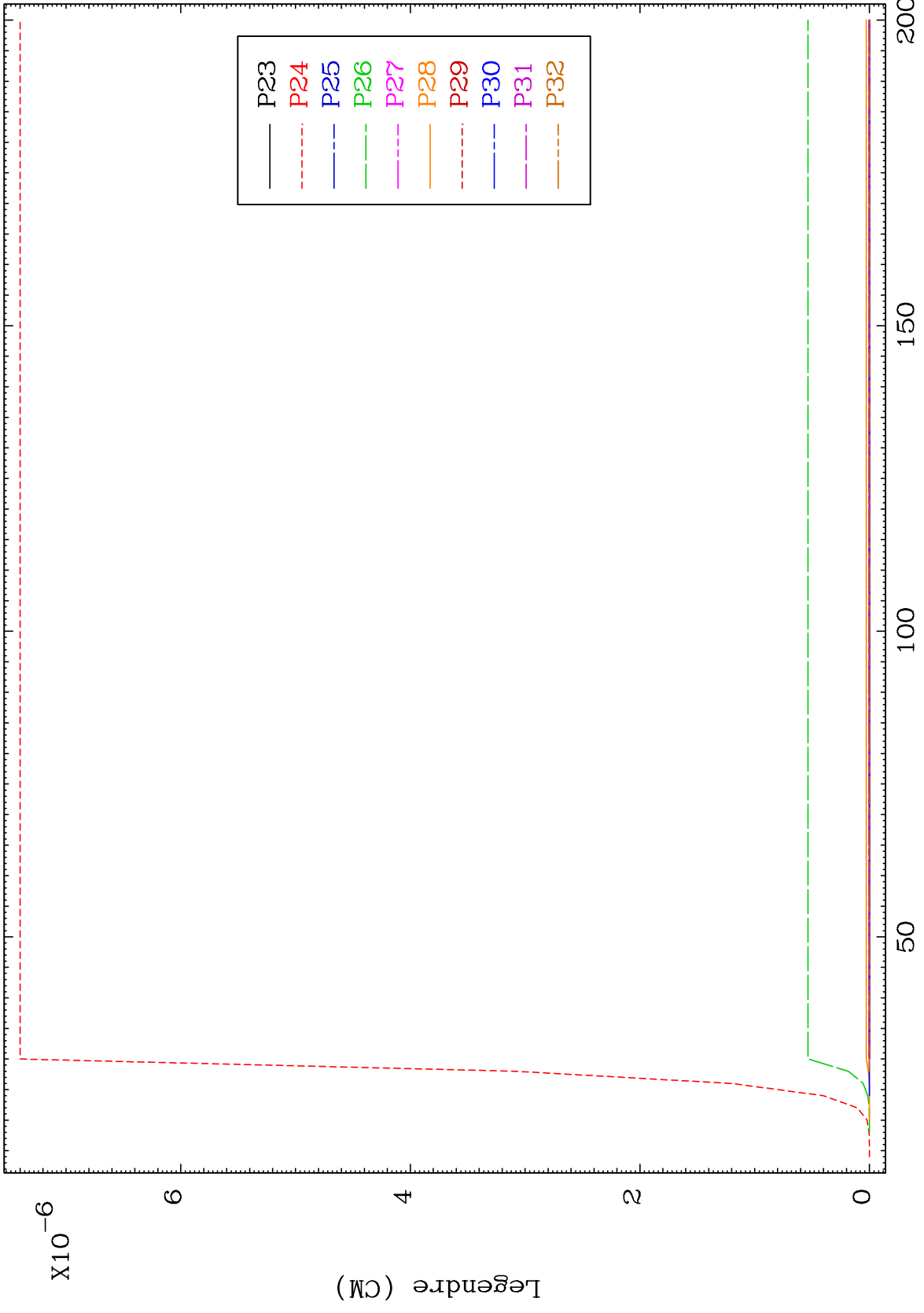
47

Incident Energy (MeV)

70-Yb-176



MAT 7049 MT= 58 (n,n') Level Legendre Coefficients 70-Yb-176

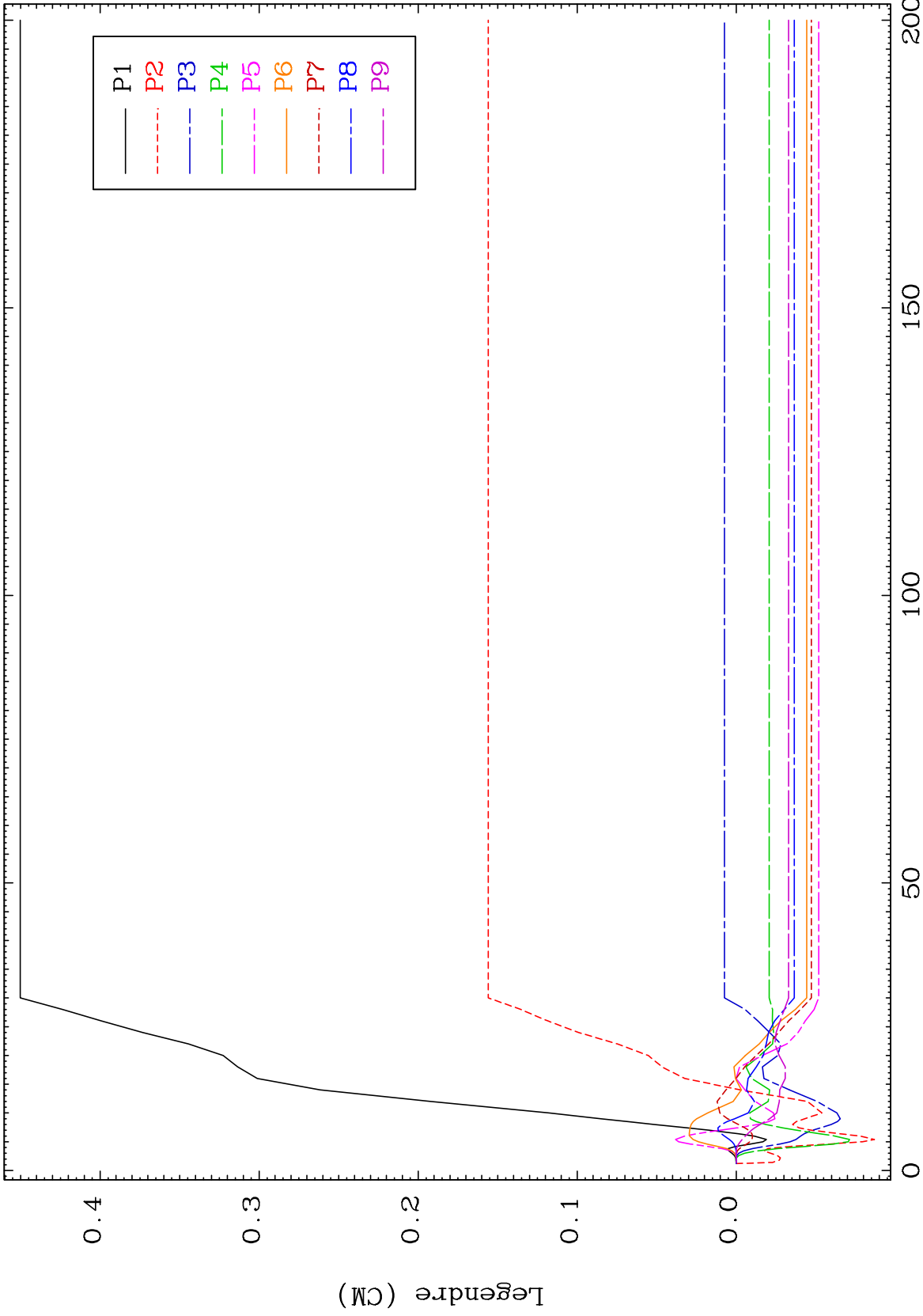


48 Incident Energy (MeV) 70-Yb-176

MAT 7049

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

70-Yb-176



49

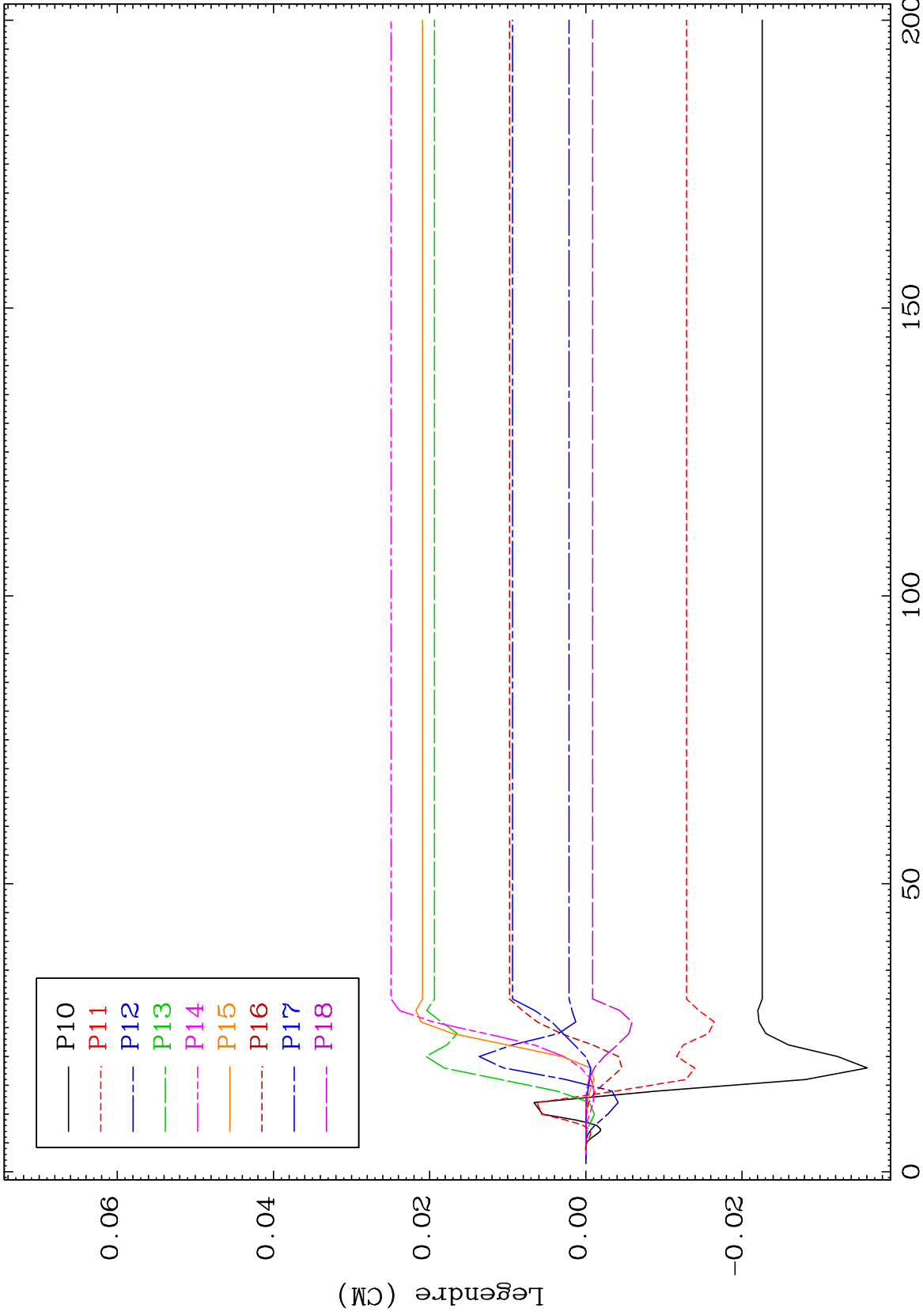
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



0

50

100

150

200

Incident Energy (MeV)

70-Yb-176

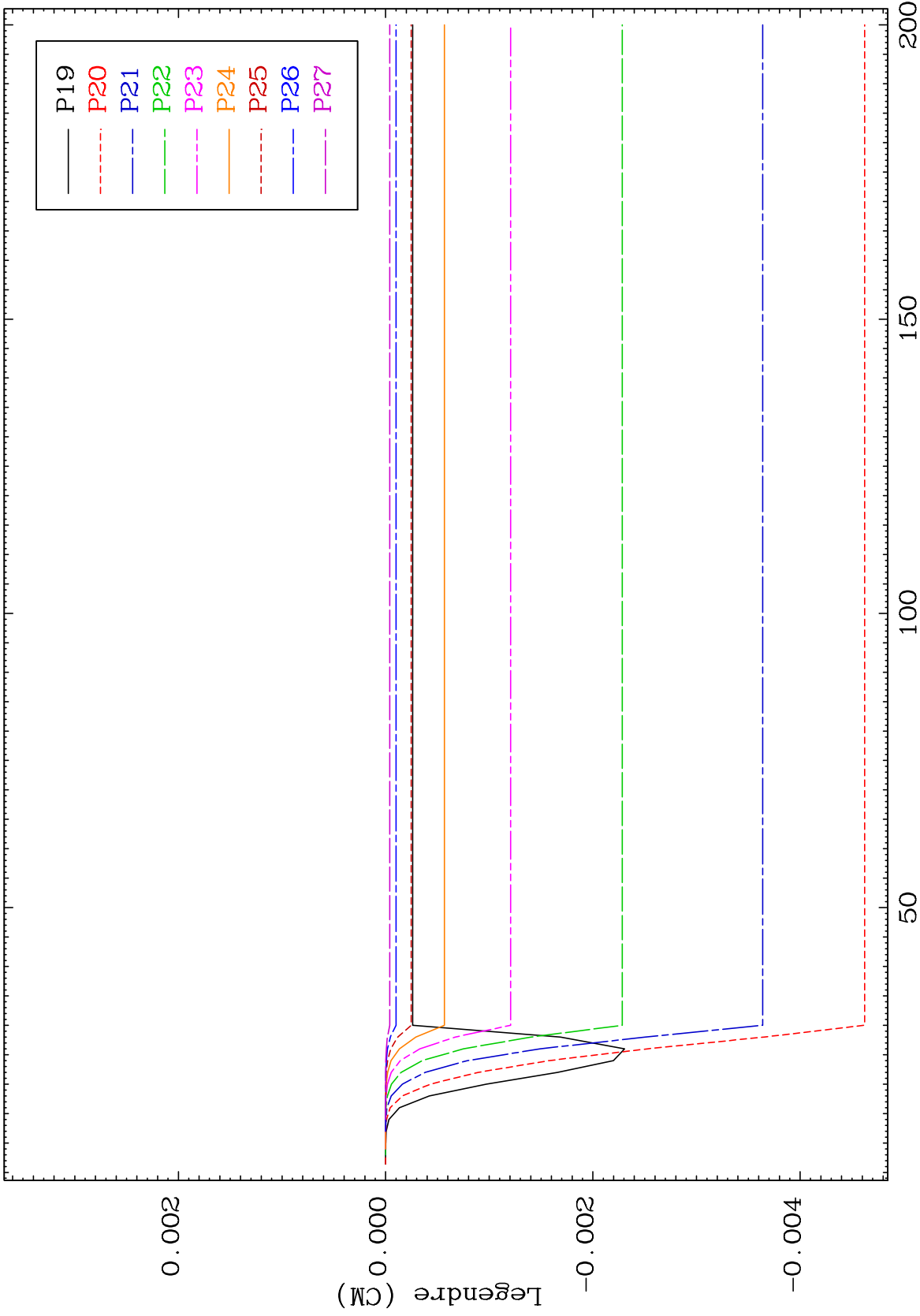
Legendre (CM)

- P10
- P11
- P12
- P13
- P14
- P15
- P16
- P17
- P18

MAT 7049

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

70-Yb-176



51

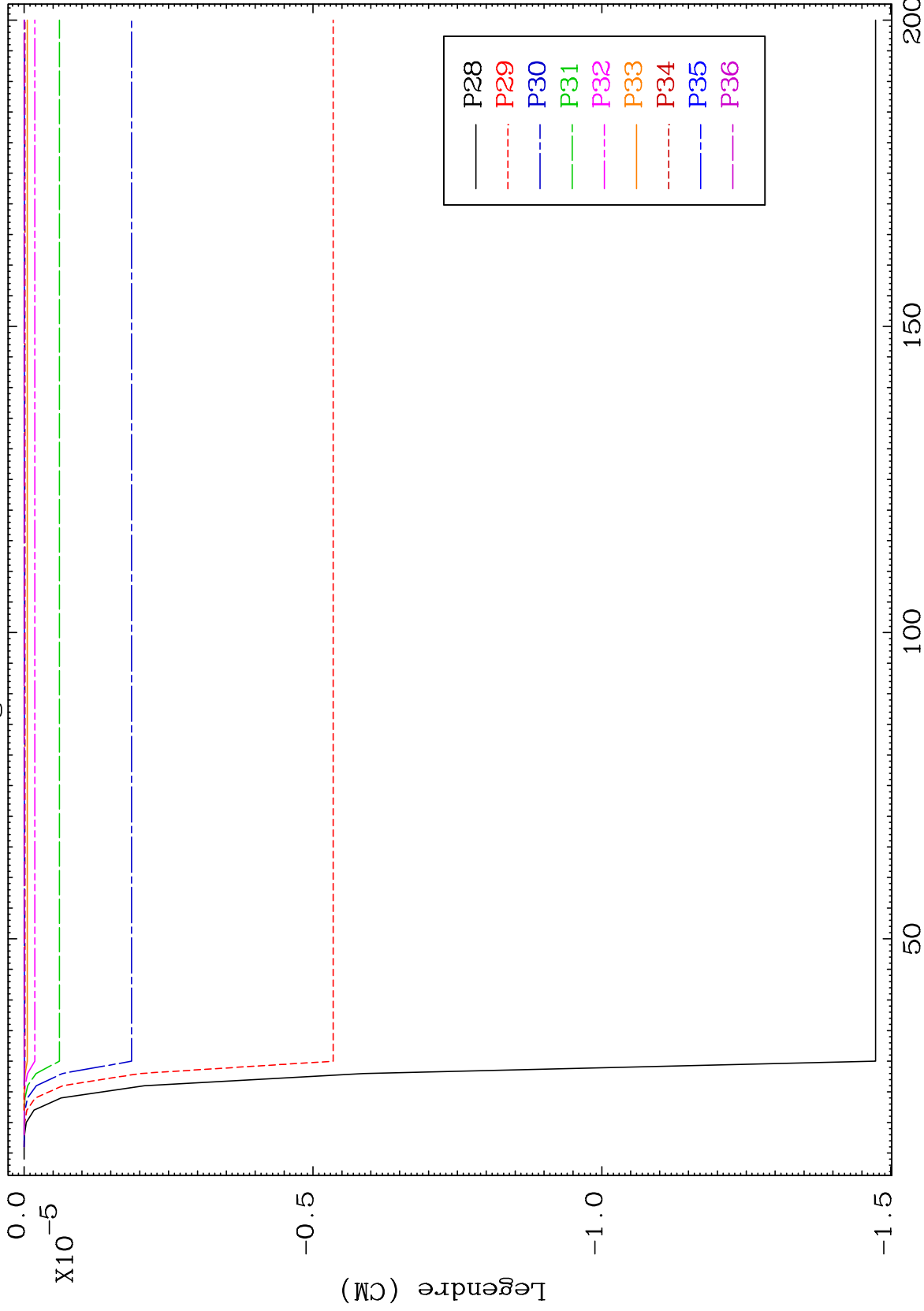
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



70-Yb-176

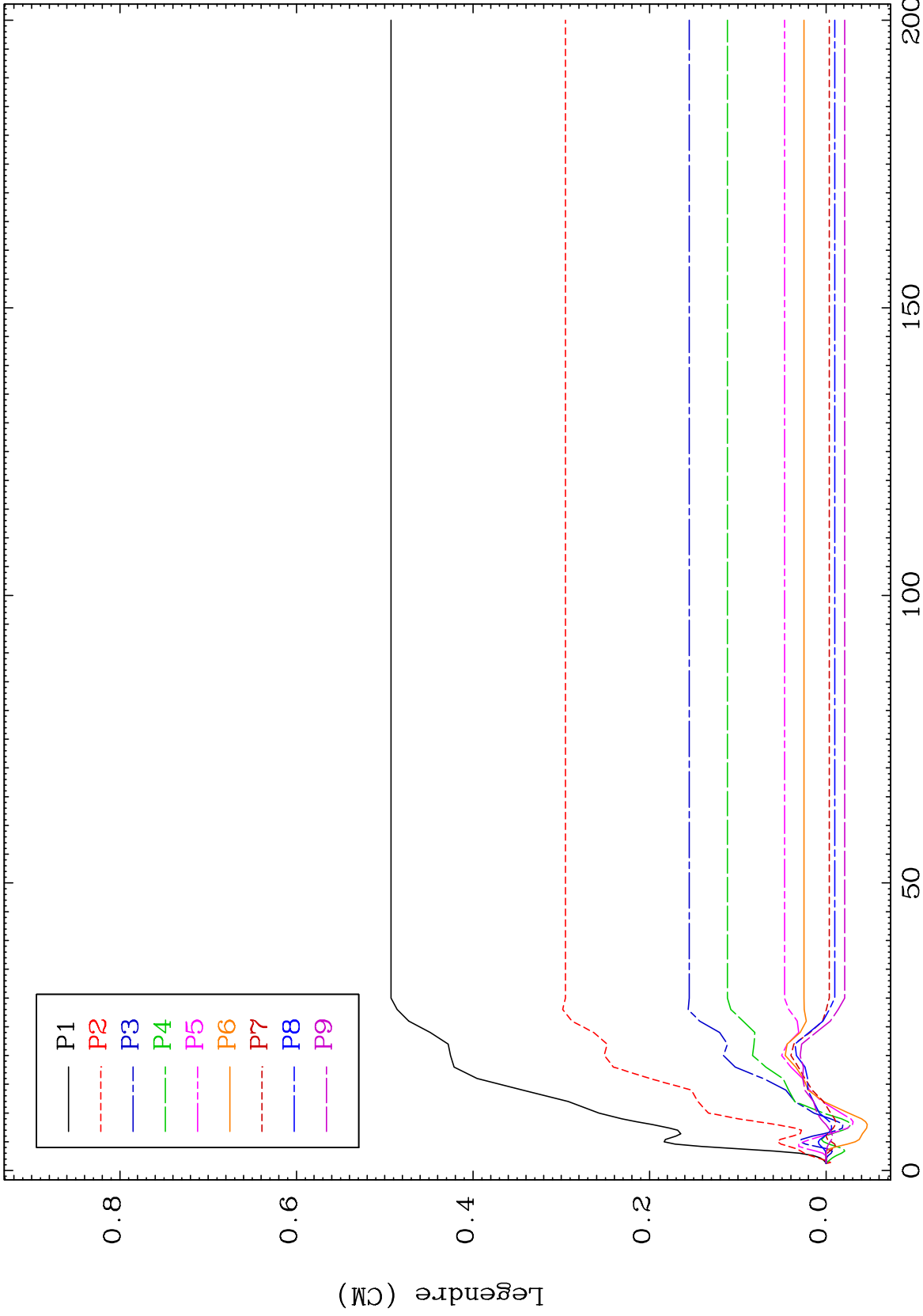
Incident Energy (MeV)

52

MAT 7049

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

70-Yb-176

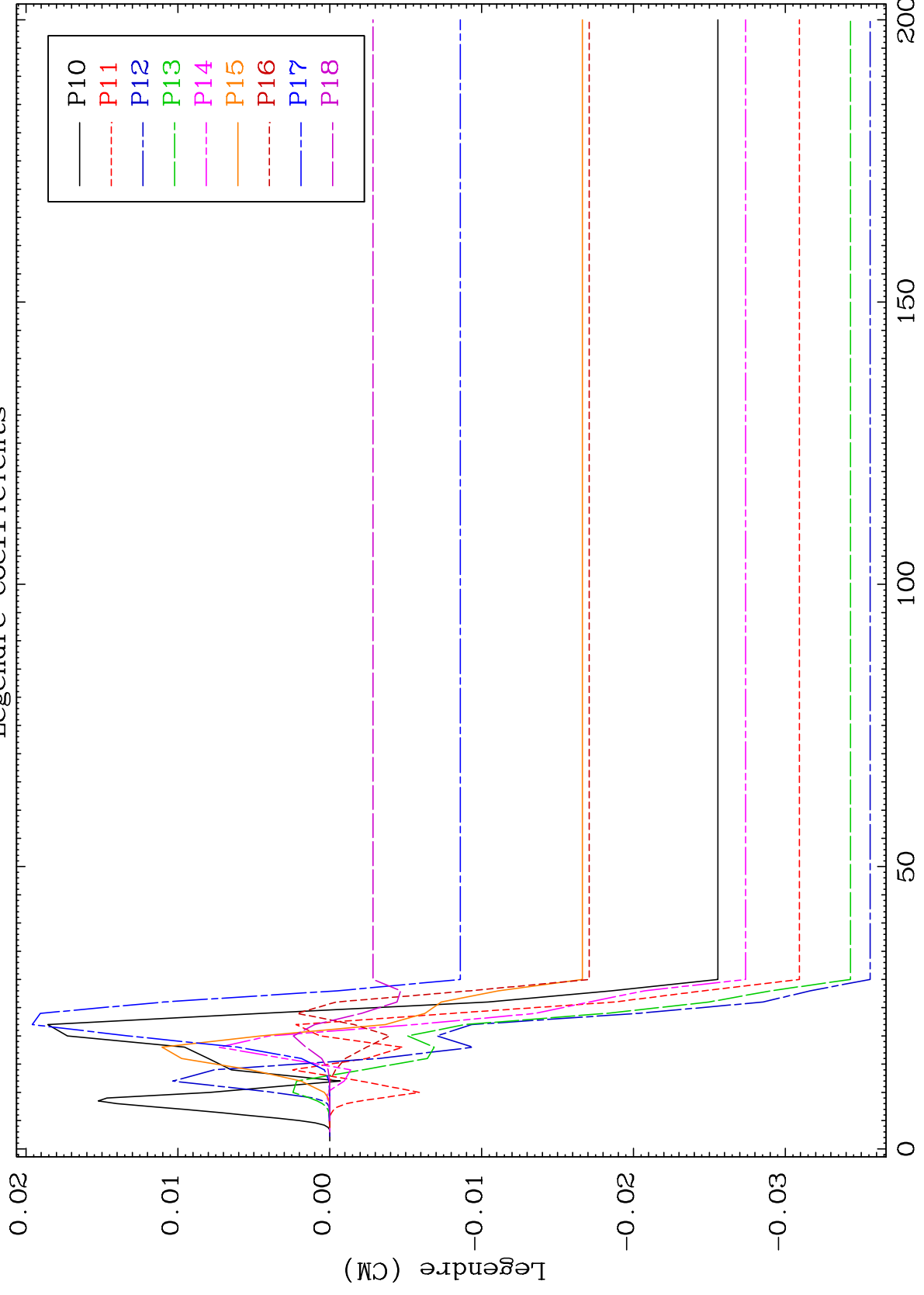


53

Incident Energy (MeV)

70-Yb-176

MAT 7049 MT= 60 (n,n') Level Legendre Coefficients 70-Yb-176

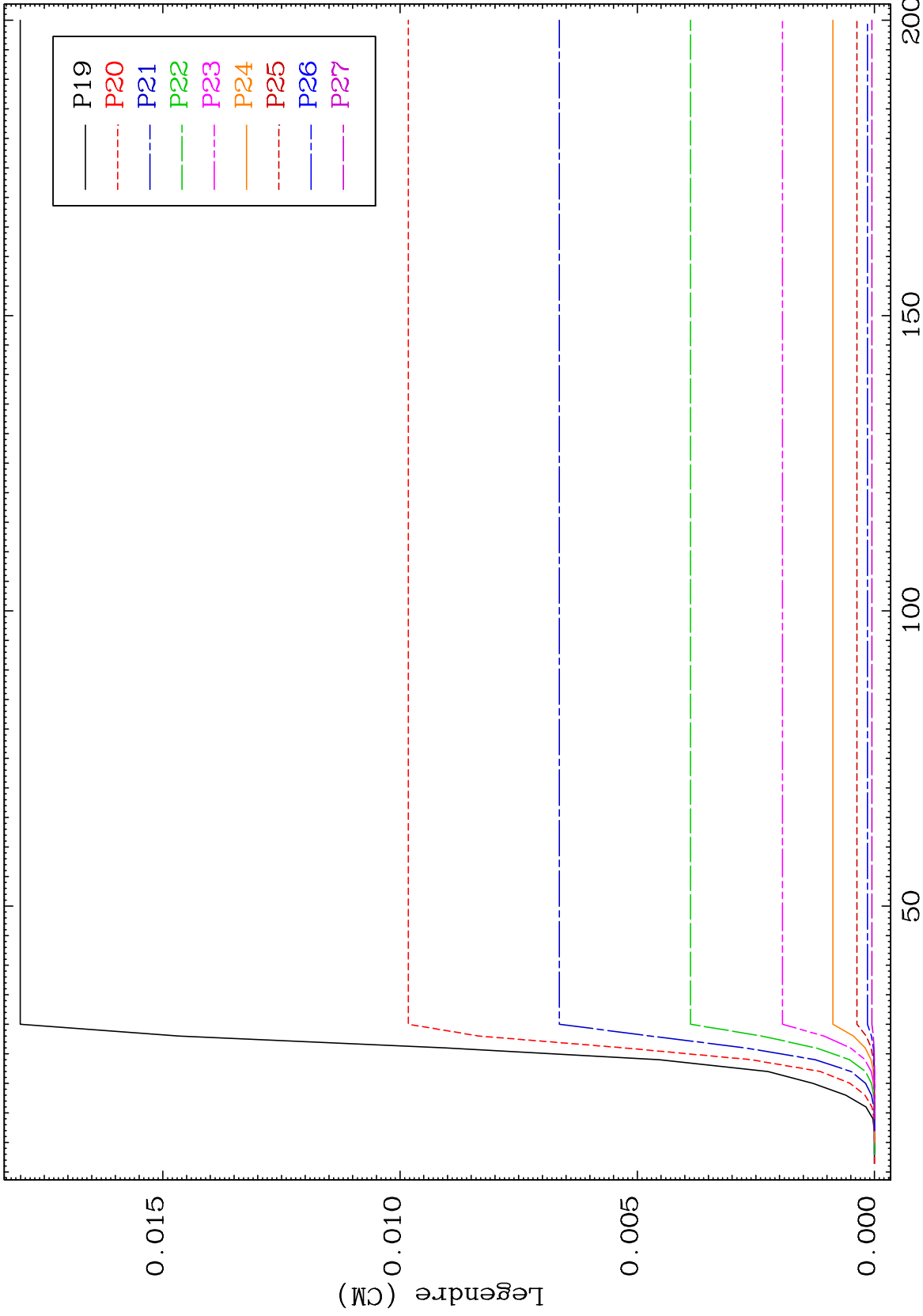


54 70-Yb-176

MAT 7049

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

70-Yb-176



55

Incident Energy (MeV)

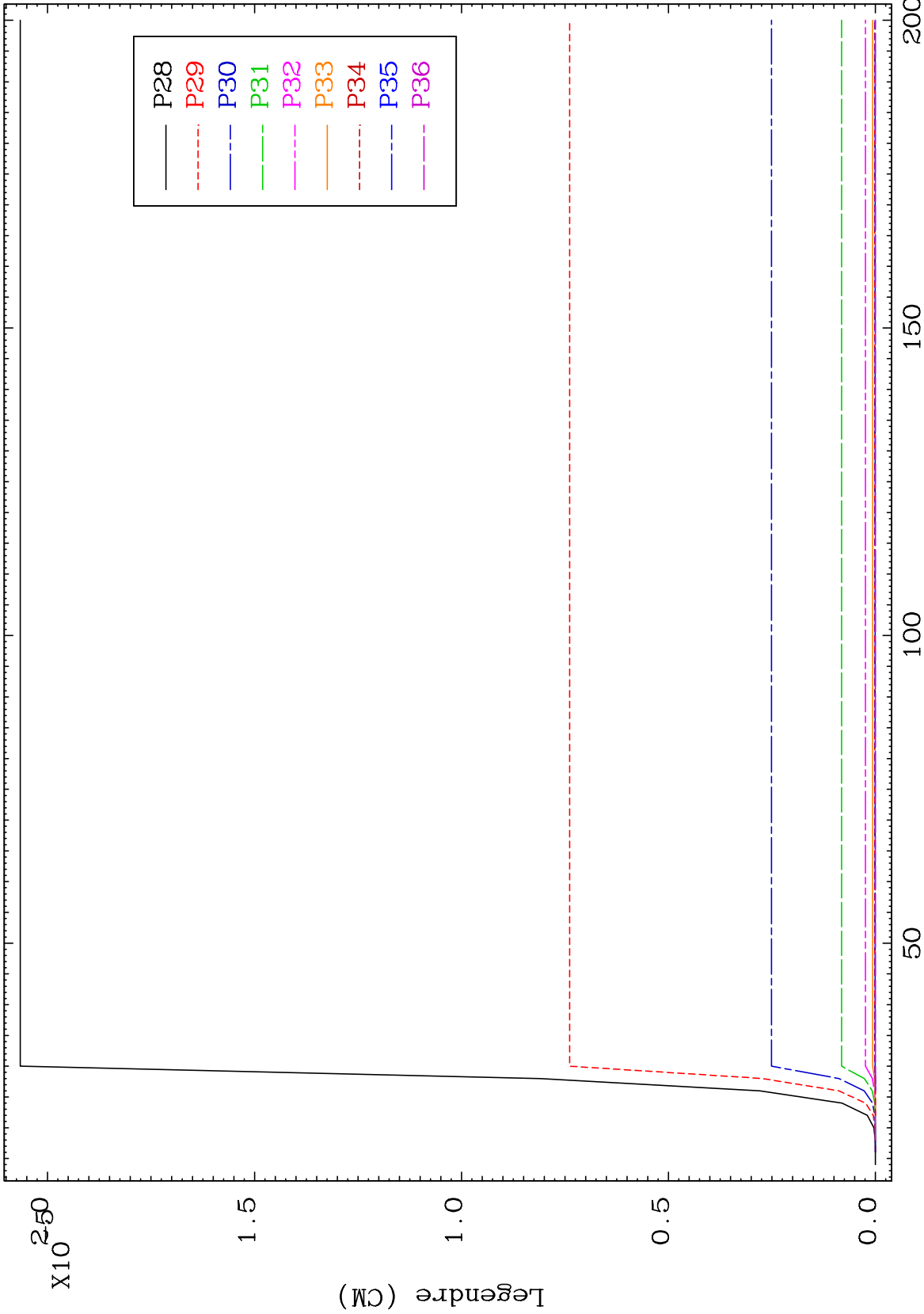
70-Yb-176



MAT 7049

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

70-Yb-176



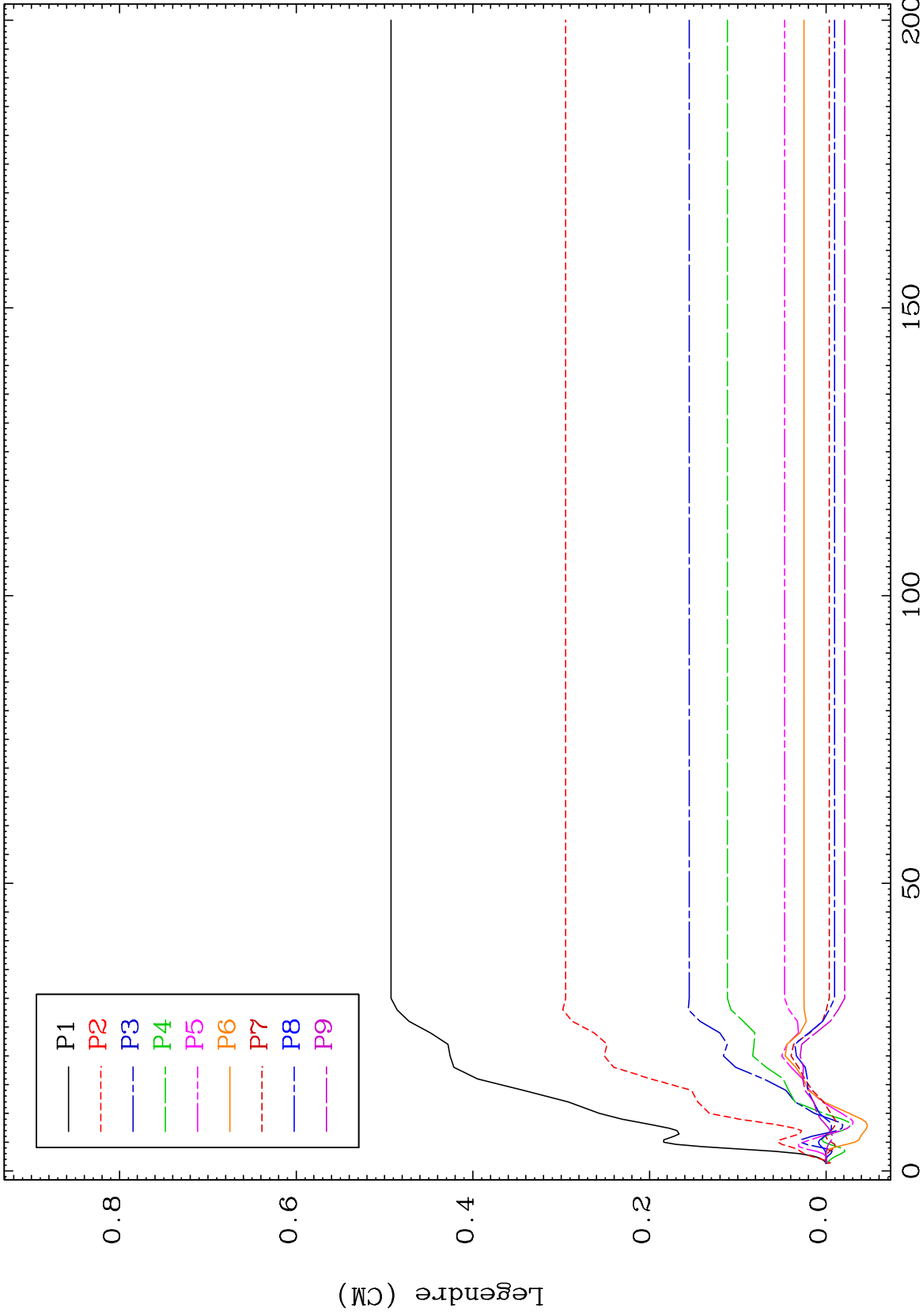
56

70-Yb-176

MAT 7049

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

70-Yb-176

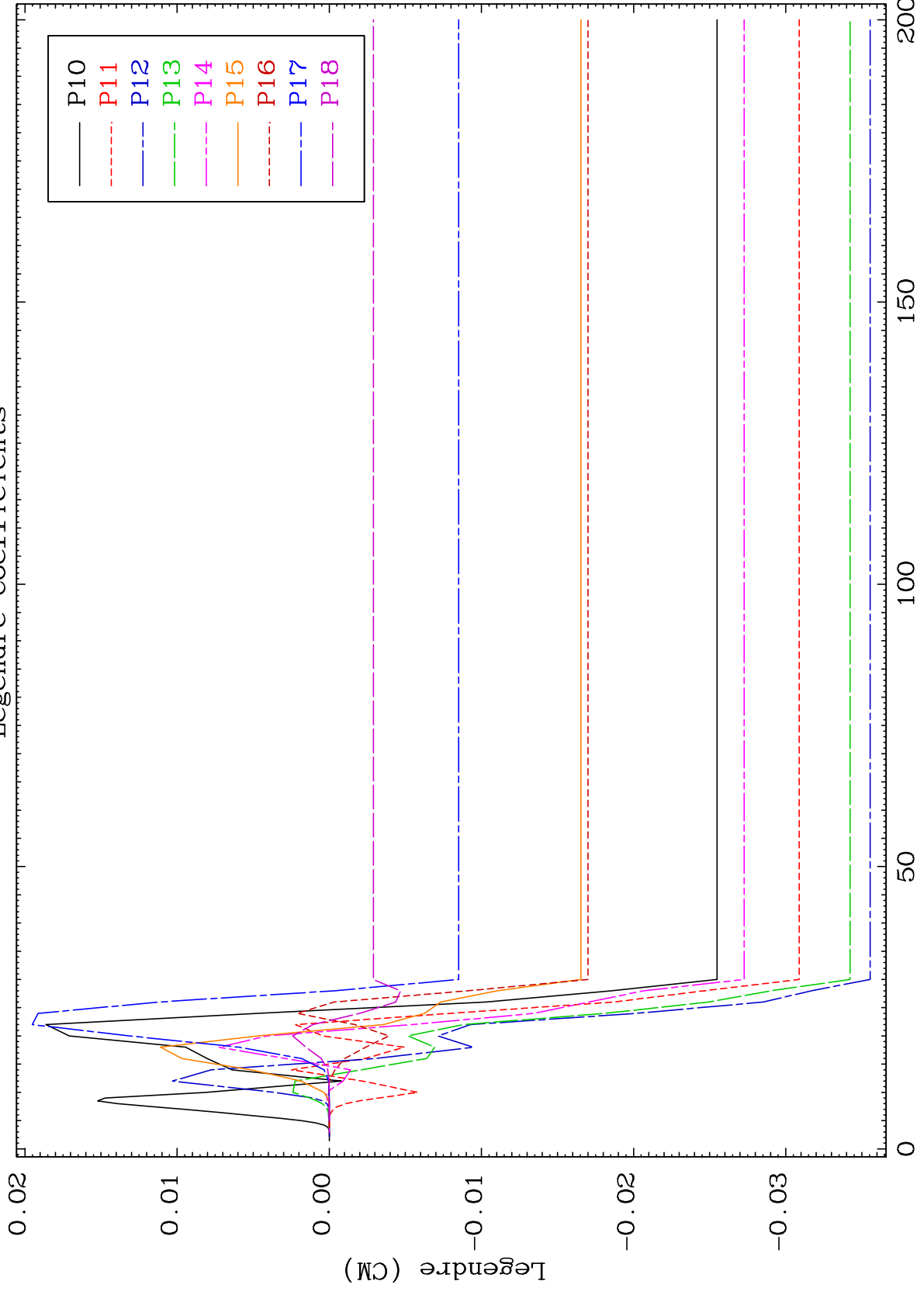


57

Incident Energy (MeV)

70-Yb-176

MAT 7049 MT= 61 (n,n') Level Legendre Coefficients 70-Yb-176

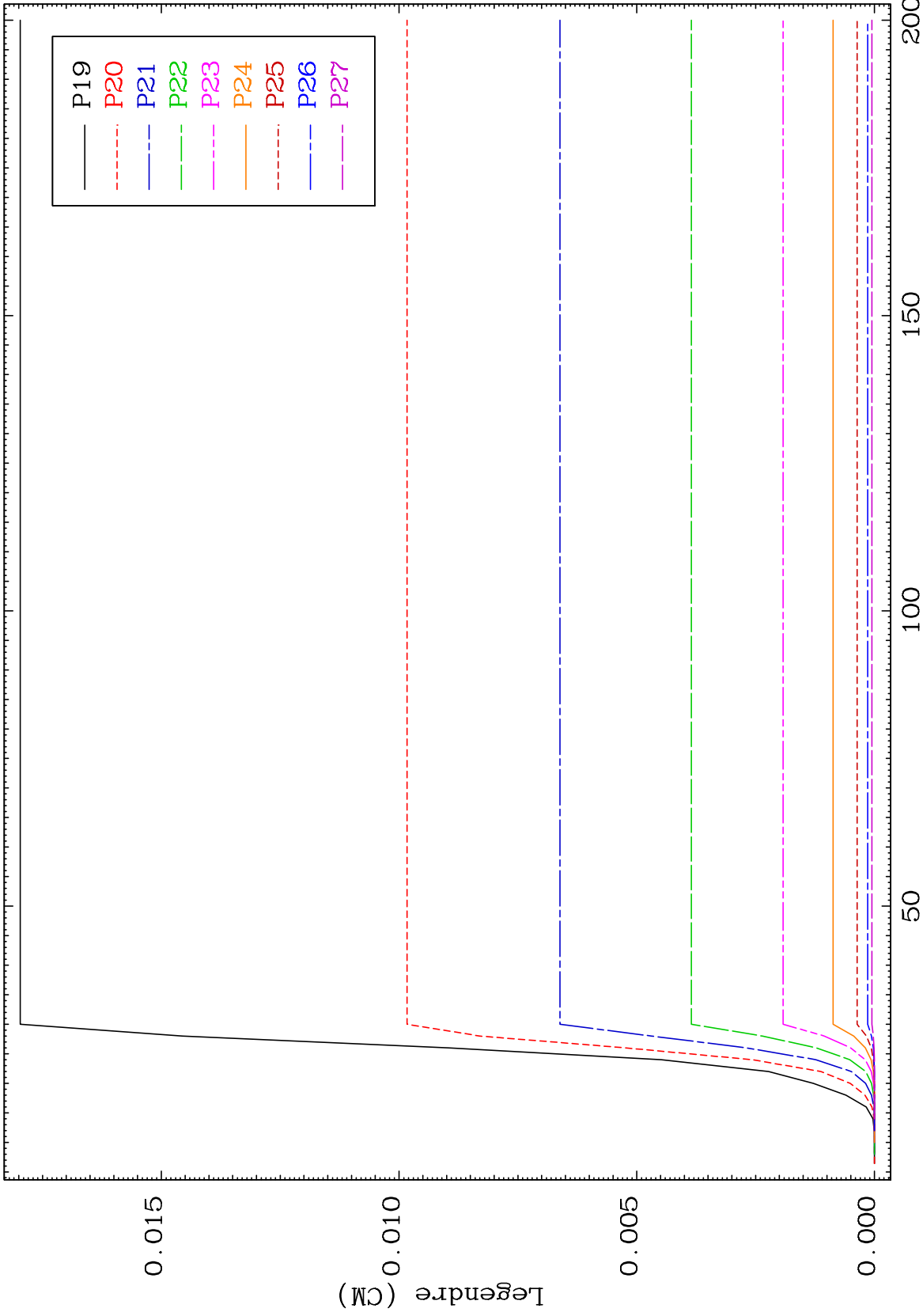


58 70-Yb-176

MAT 7049

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

70-Yb-176



59

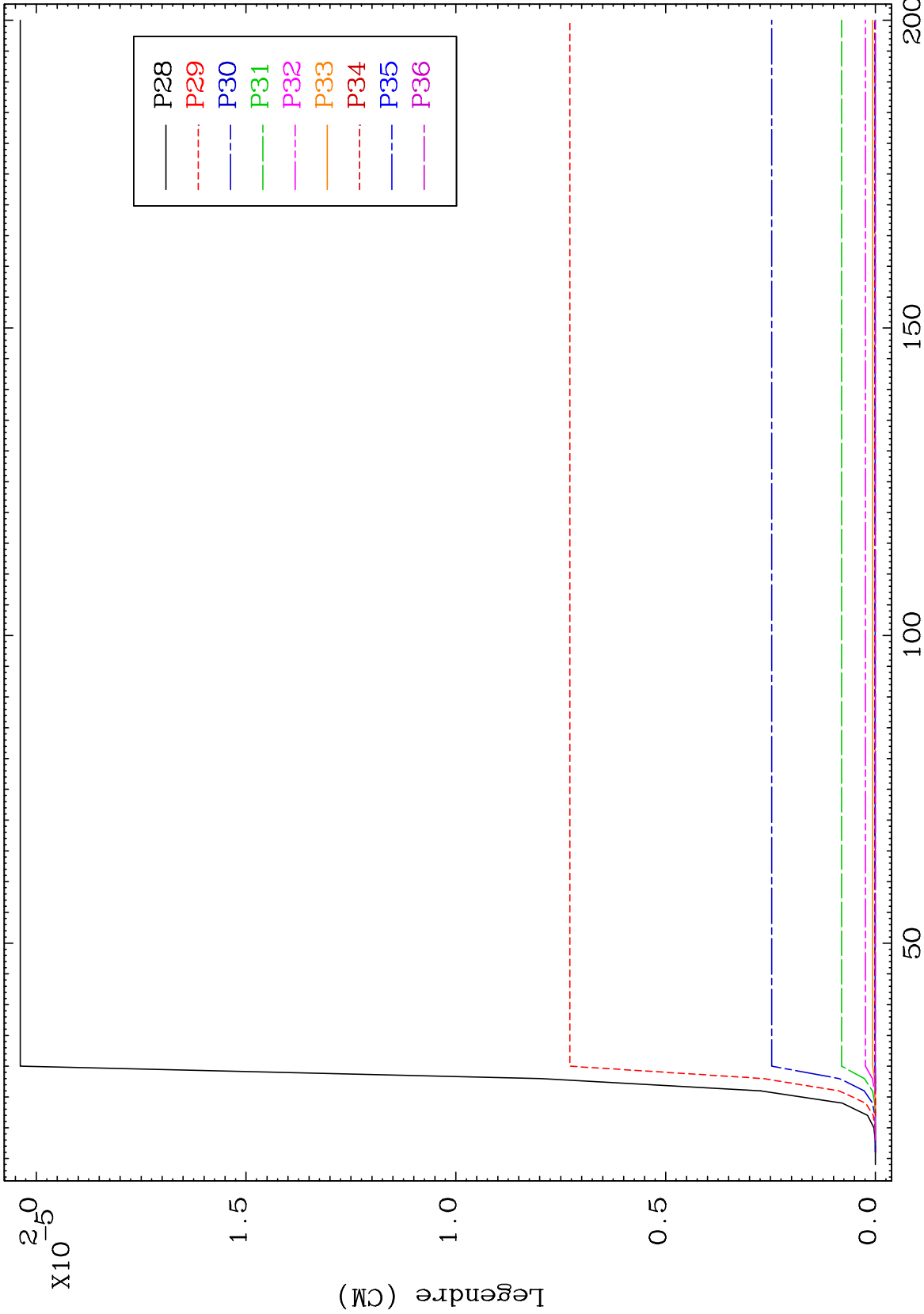
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



60

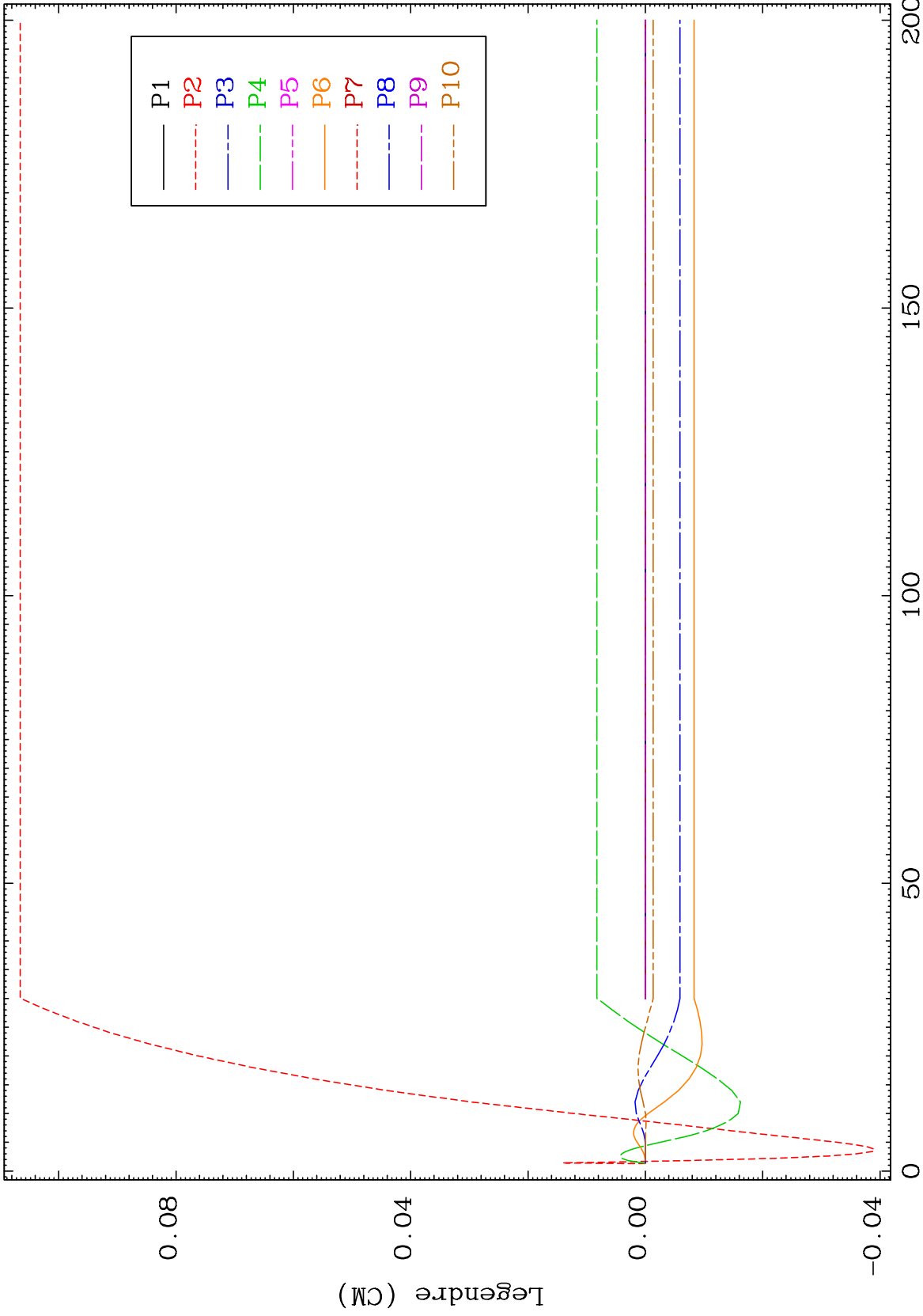
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



61

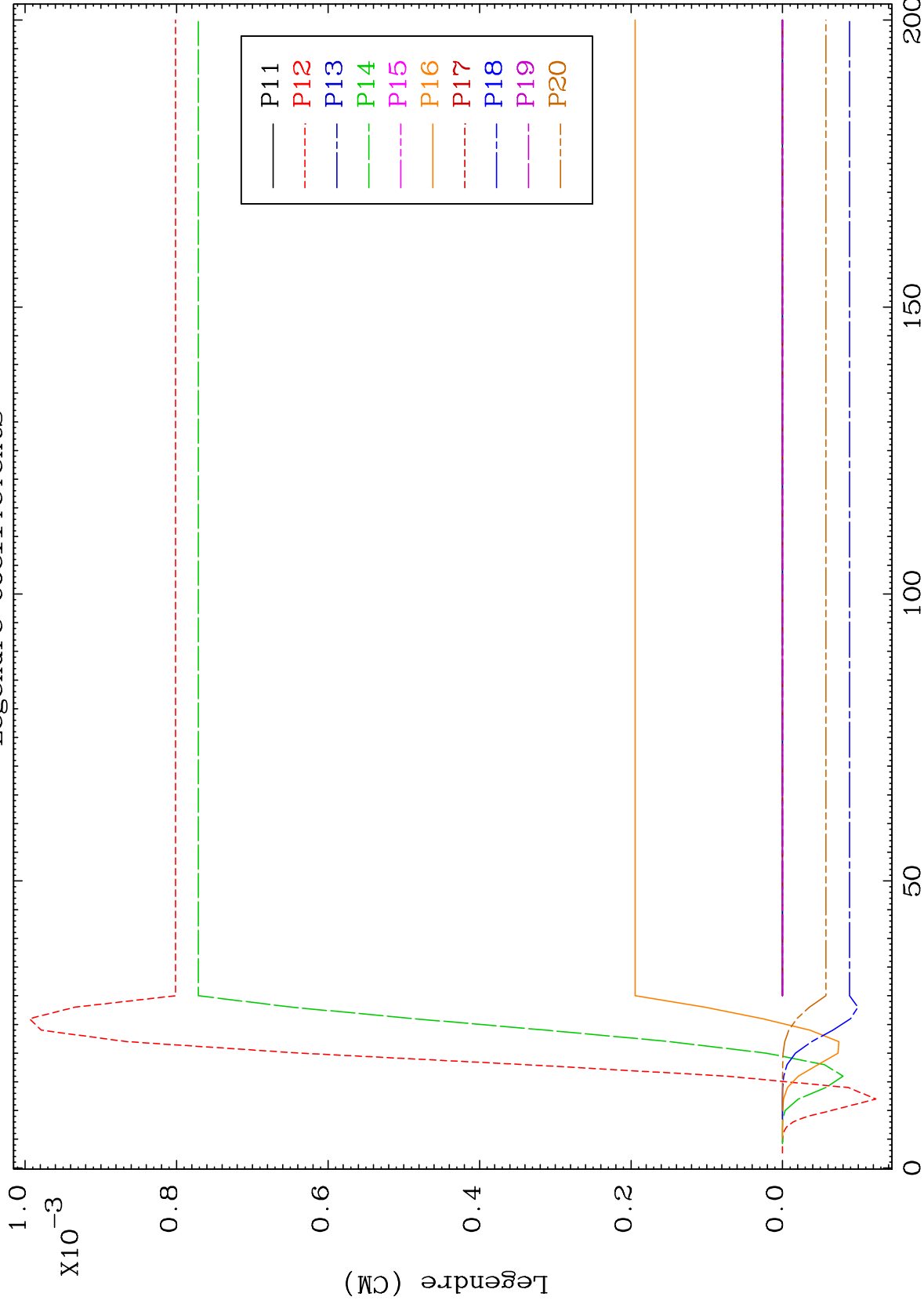
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



62

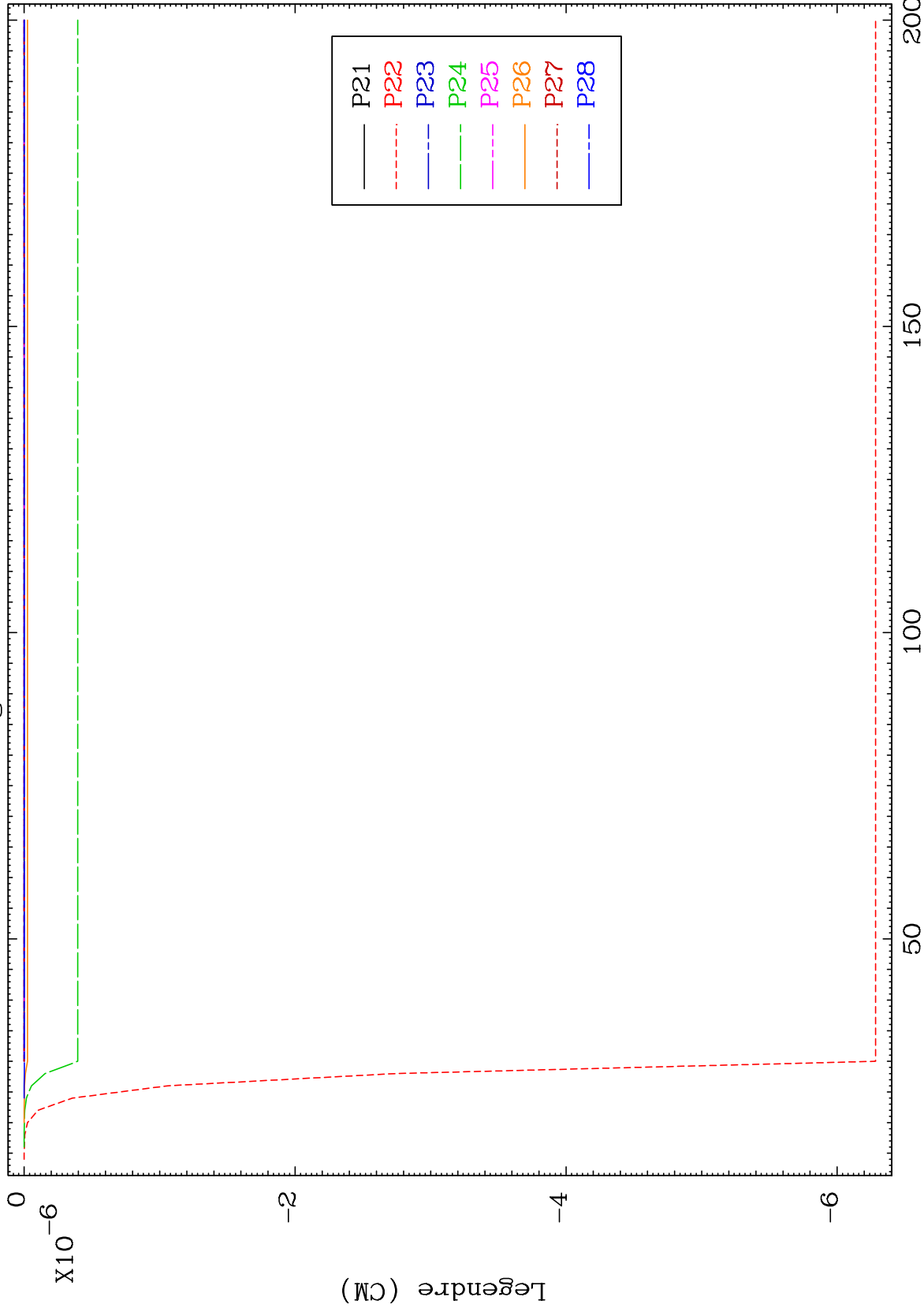
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



63

Incident Energy (MeV)

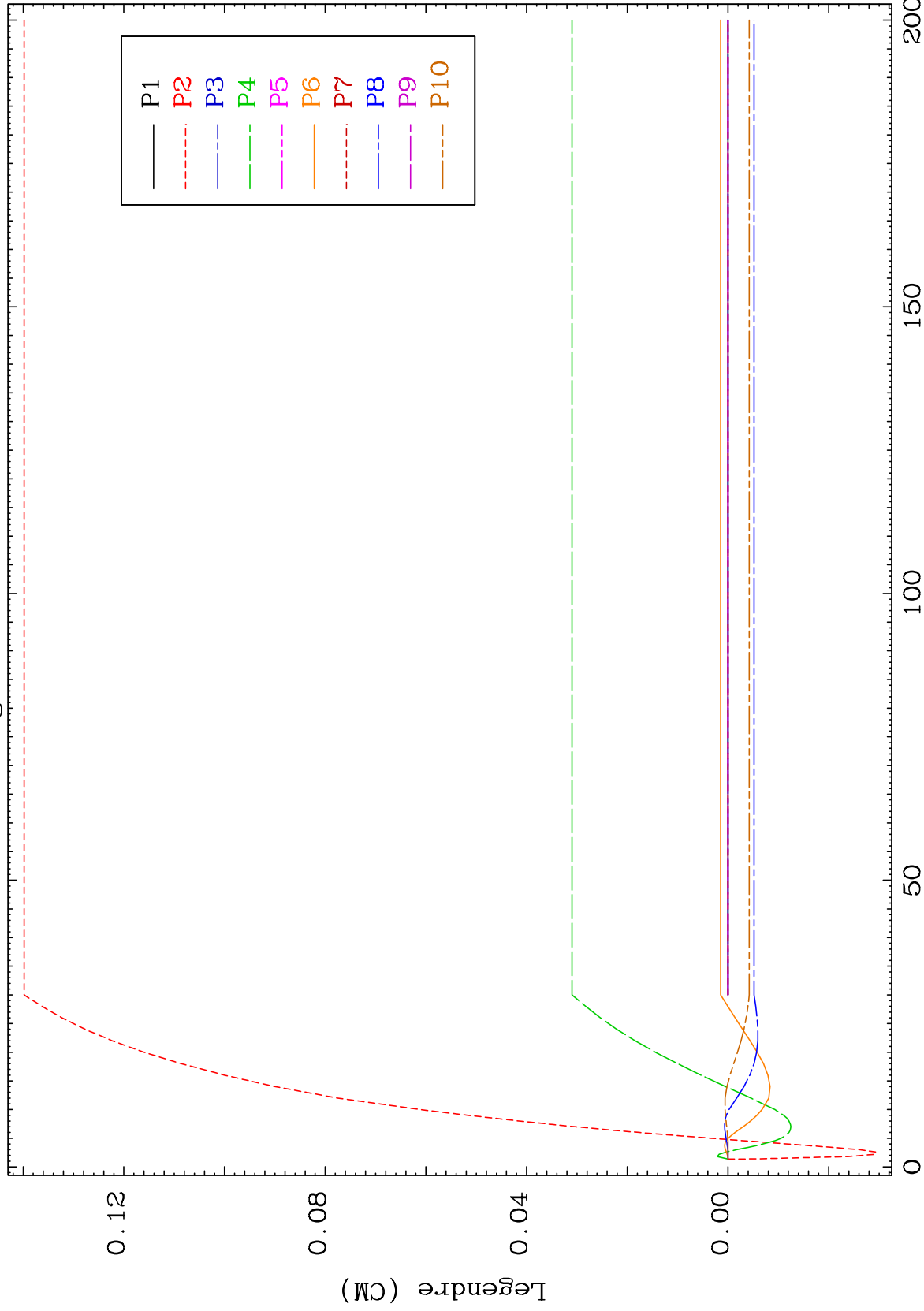
70-Yb-176



MAT 7049

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

70-Yb-176



64

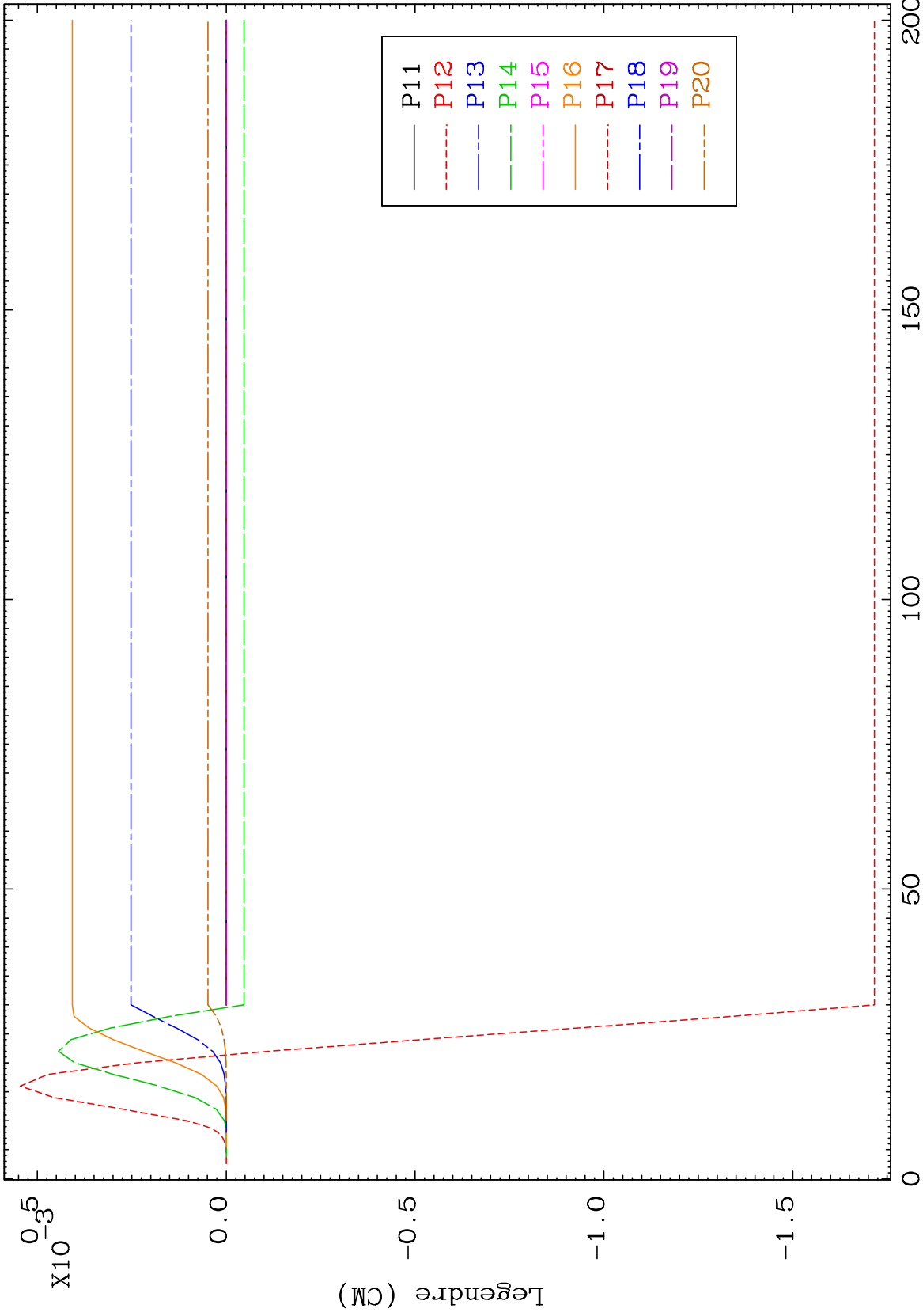
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



65

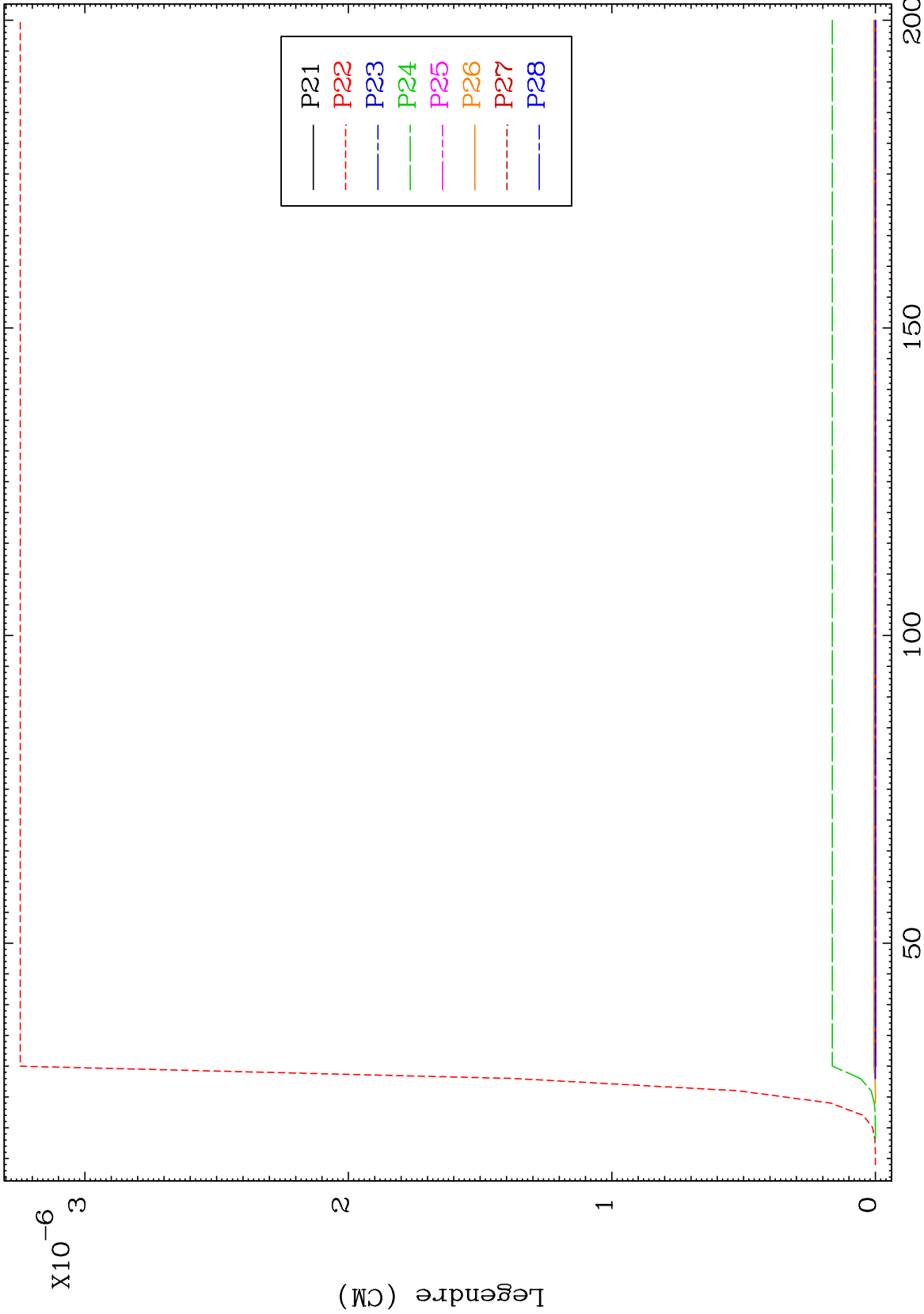
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



66

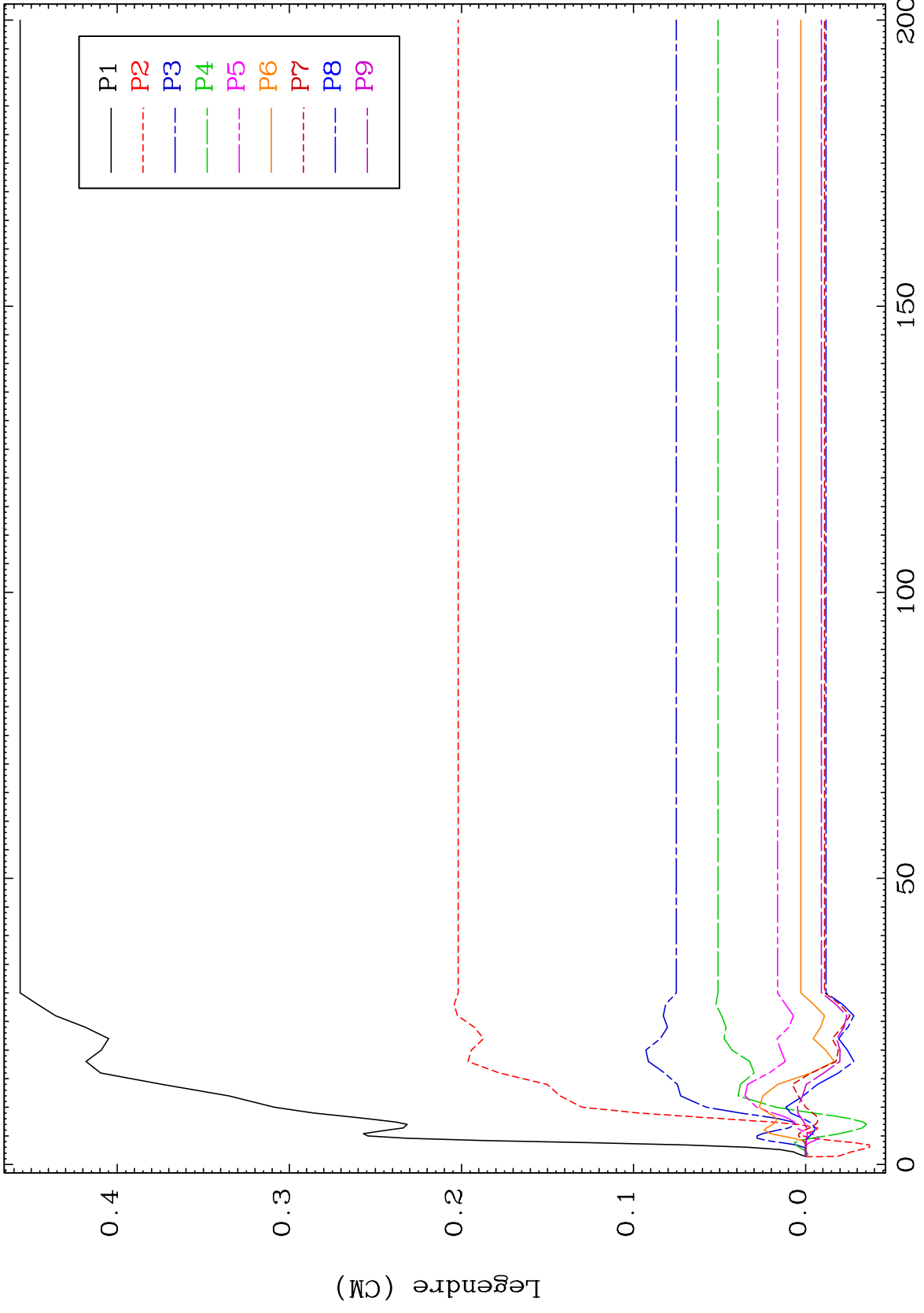
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



67

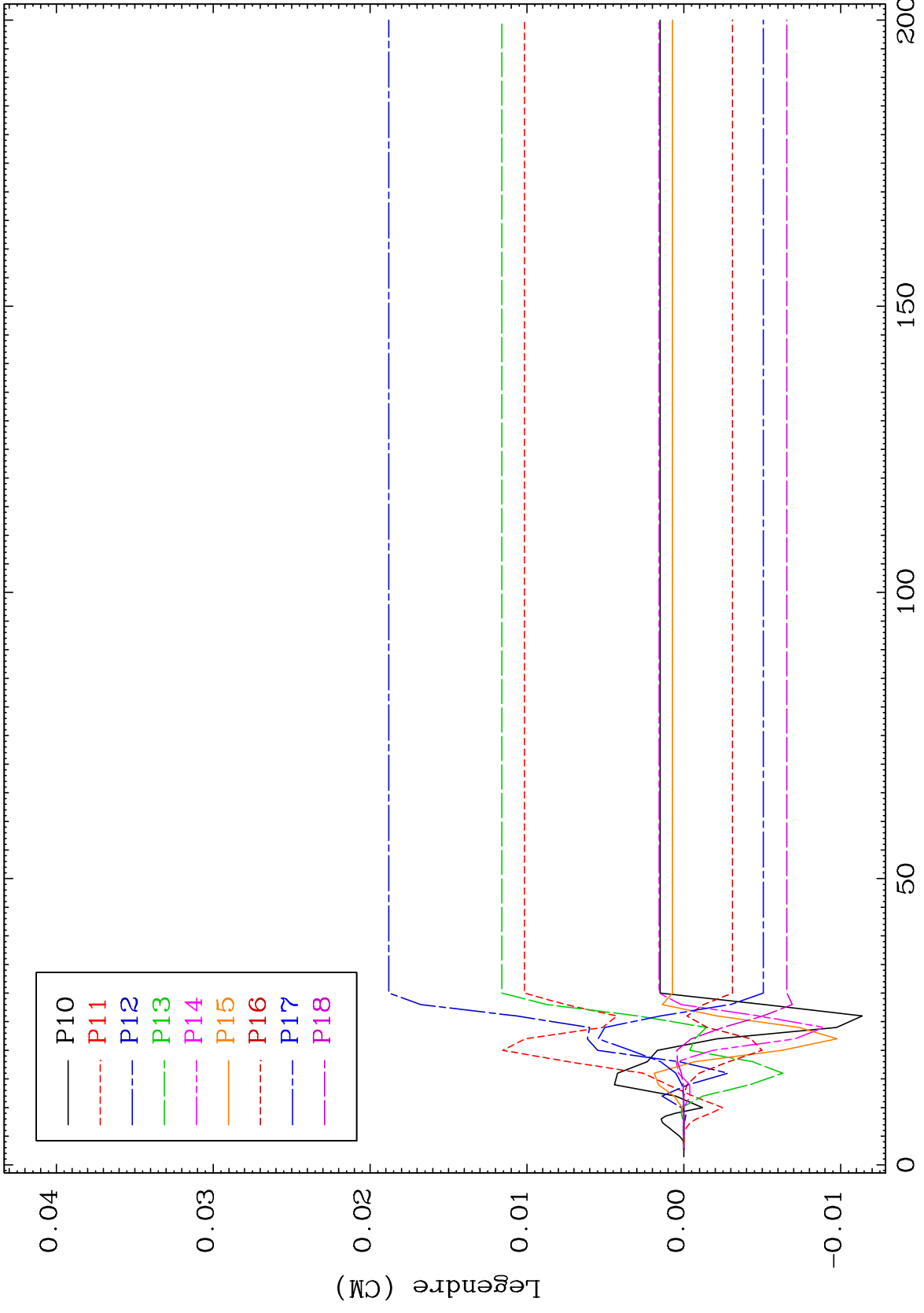
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



68

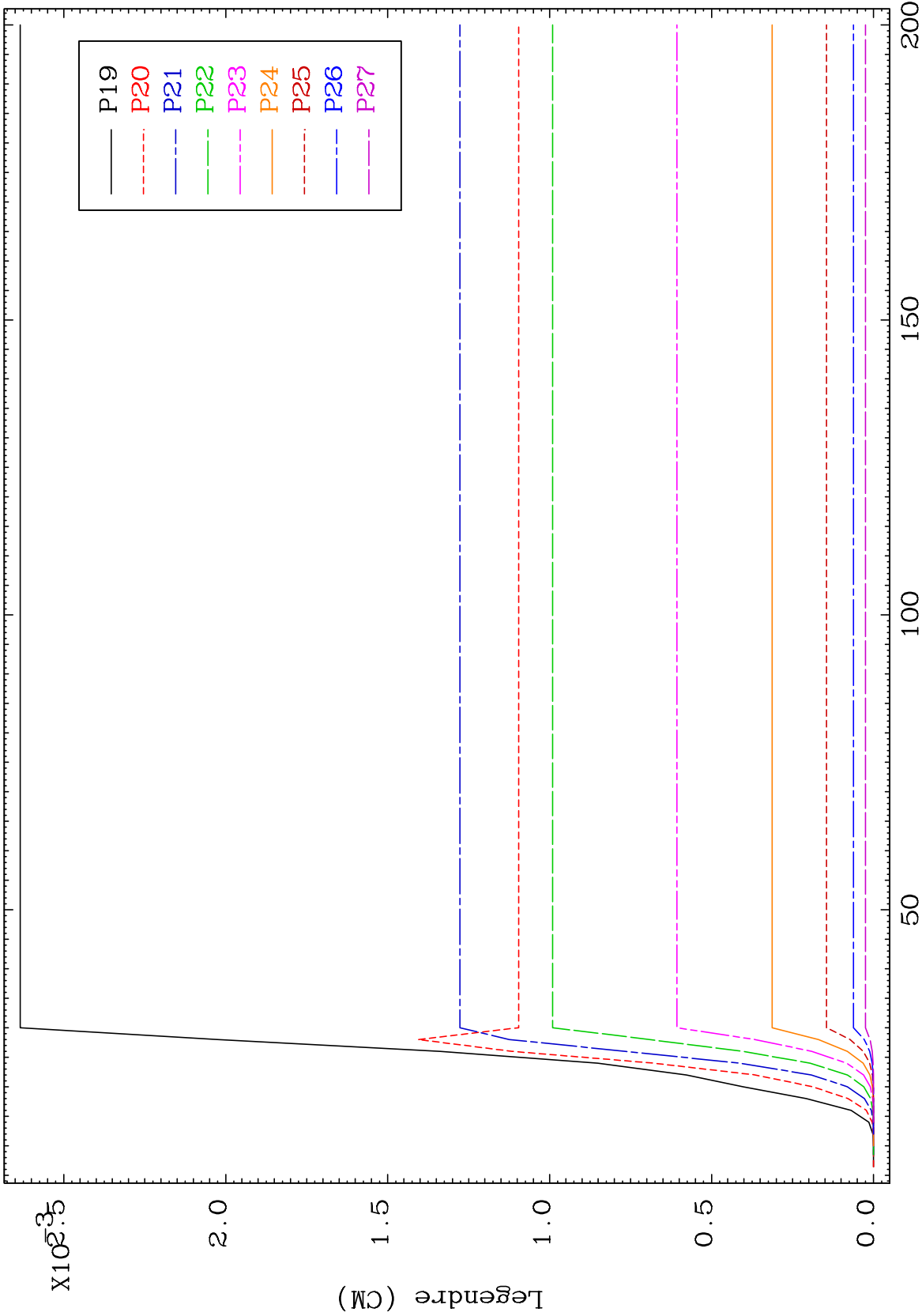
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



69

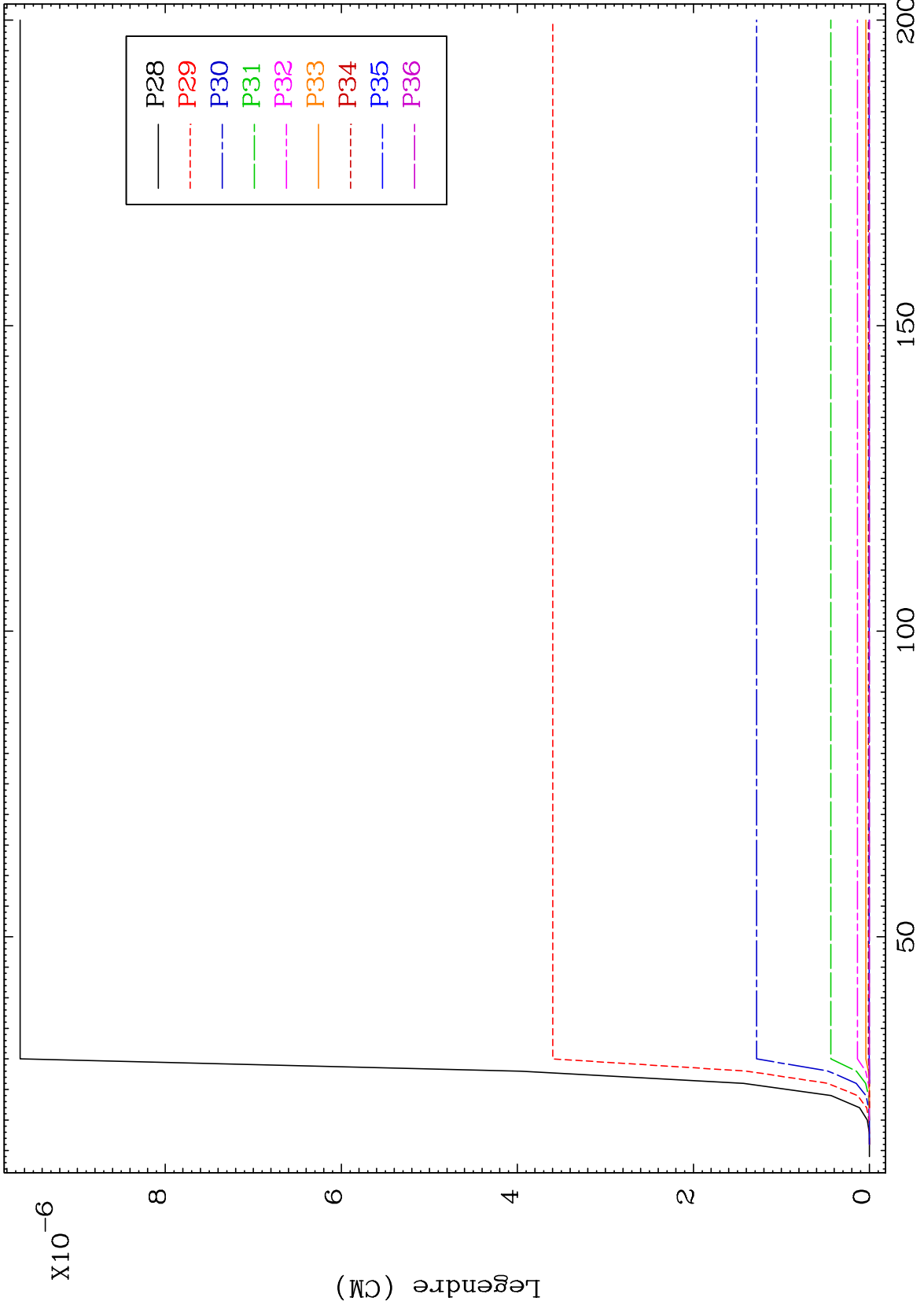
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



70

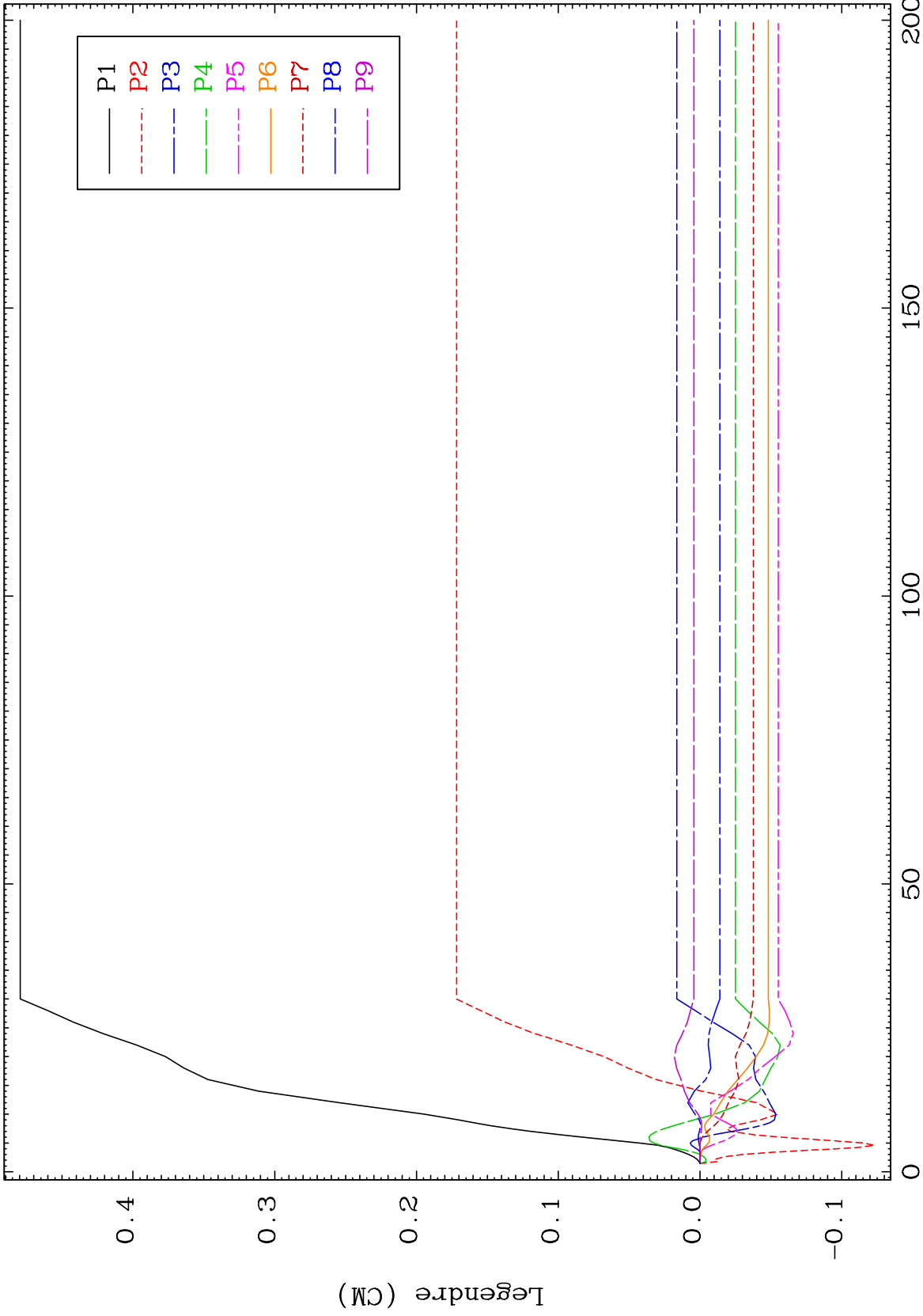
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



71

Incident Energy (MeV)

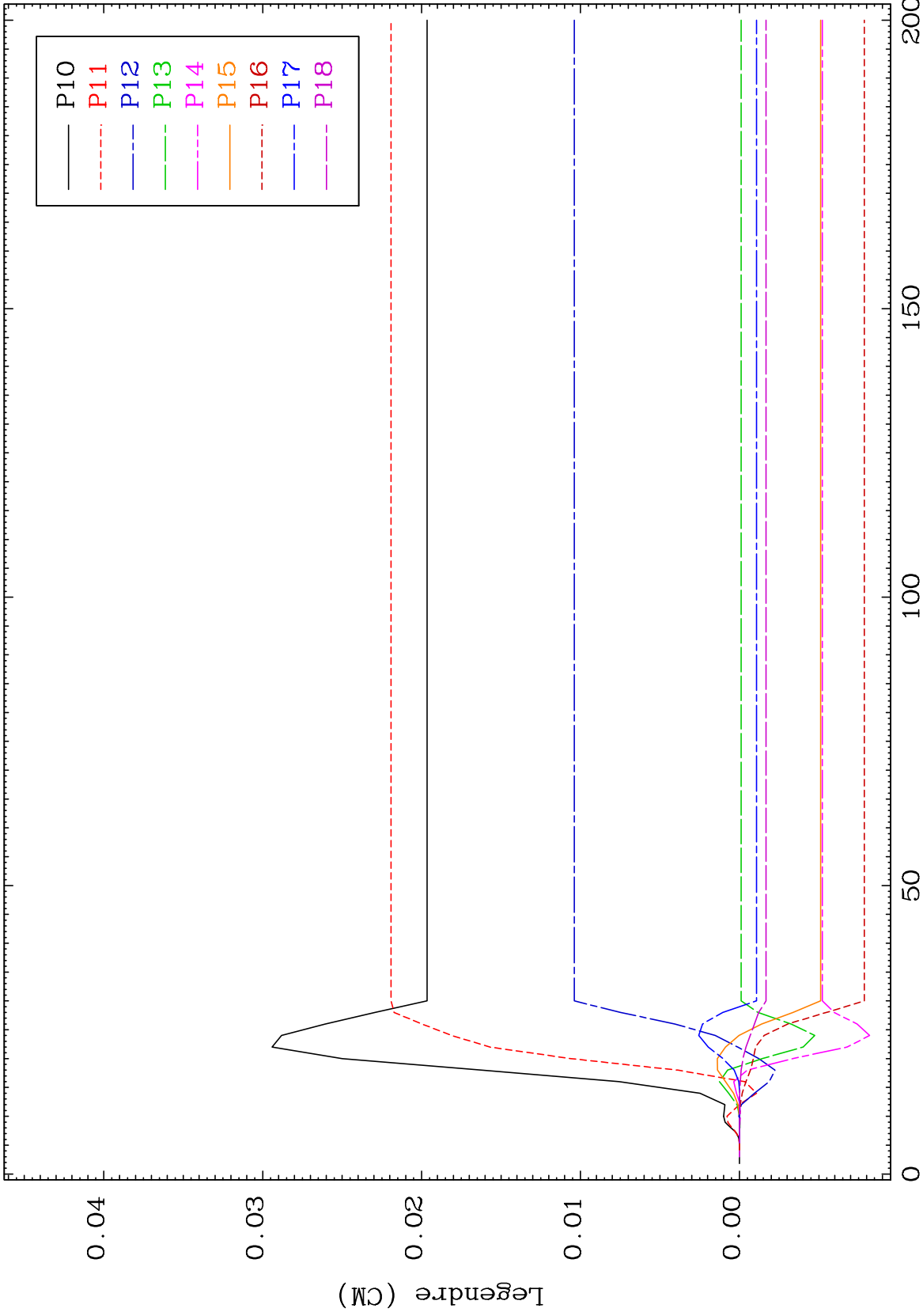
70-Yb-176



MAT 7049

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

70-Yb-176



72

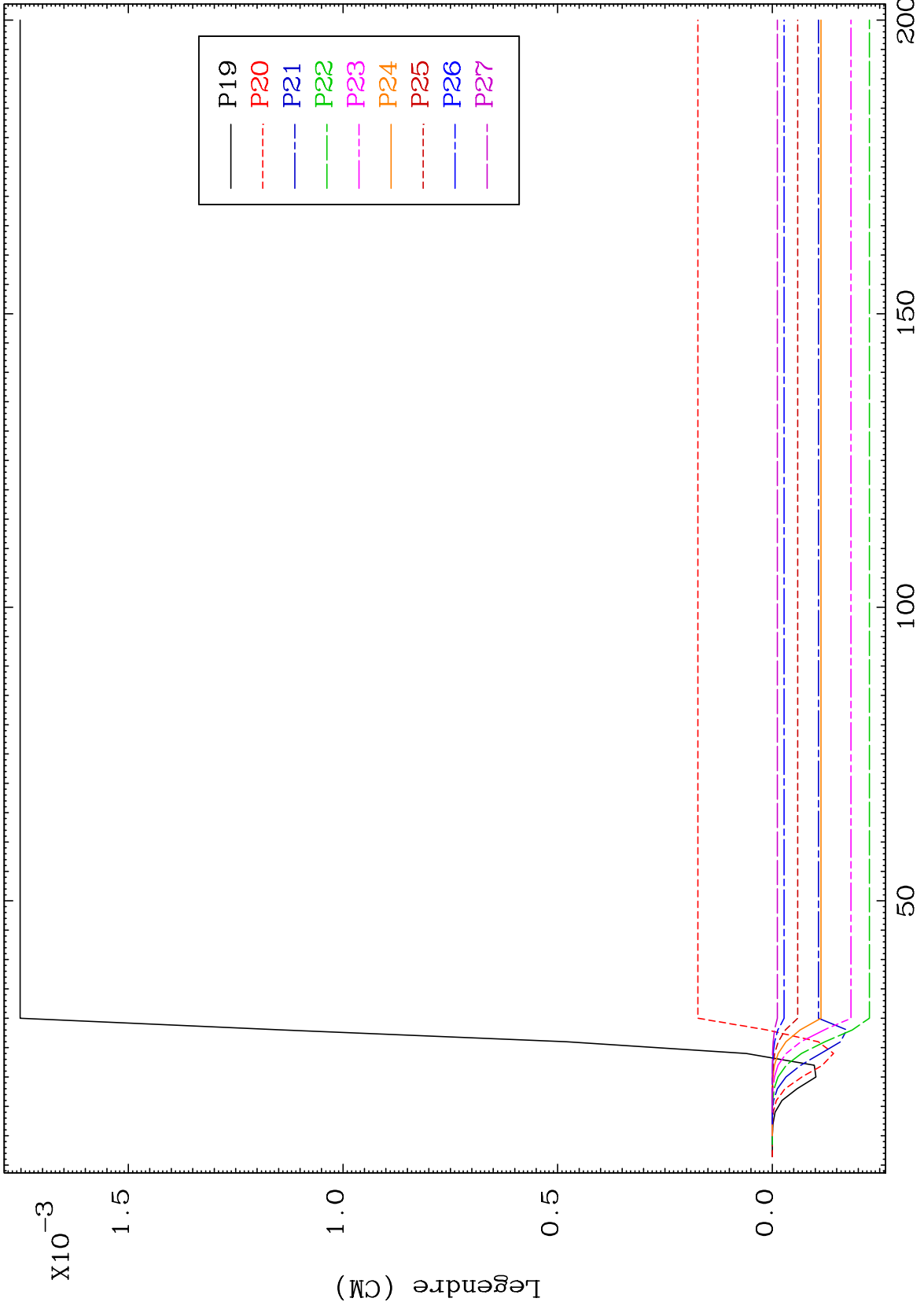
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



73

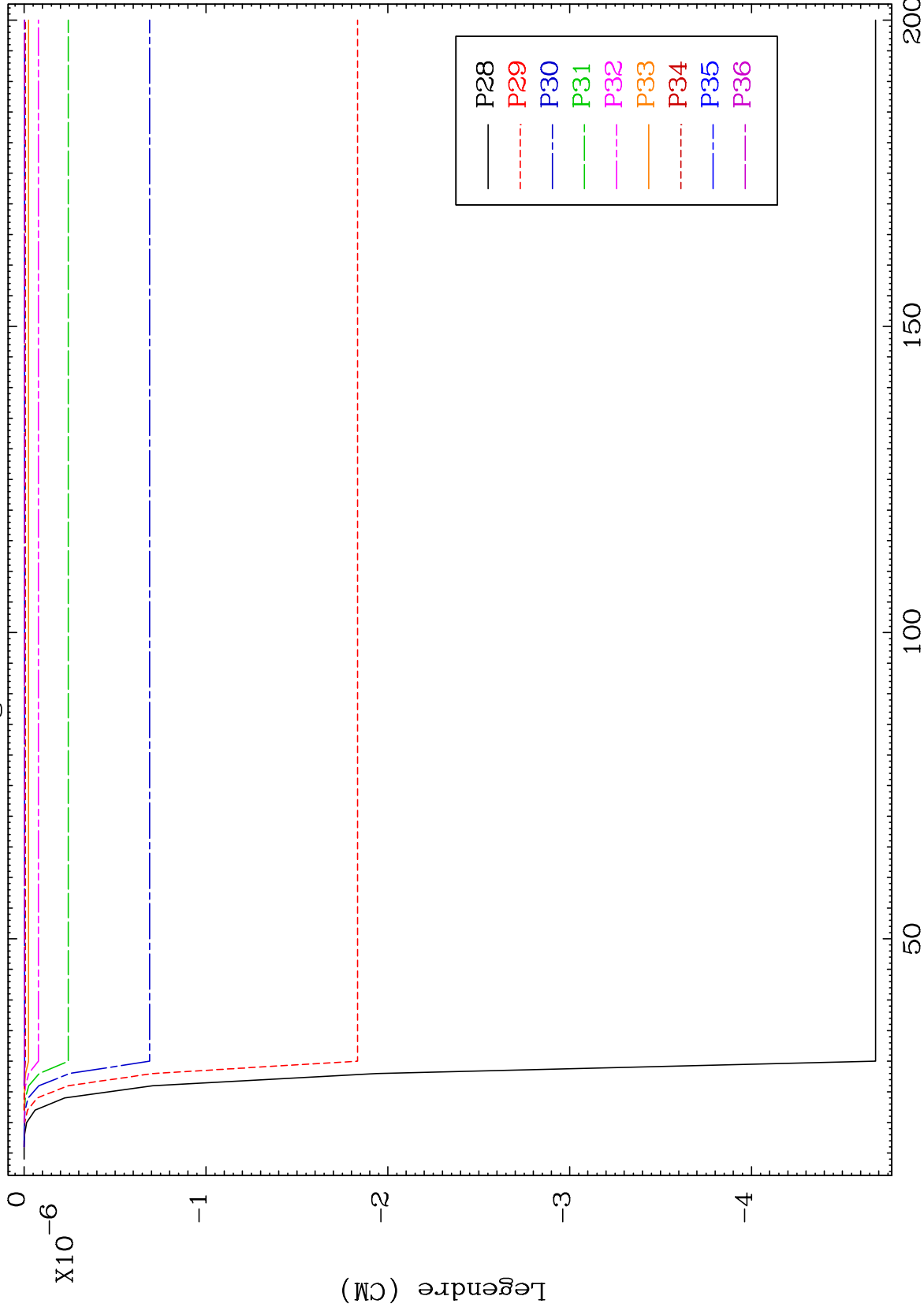
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



70-Yb-176

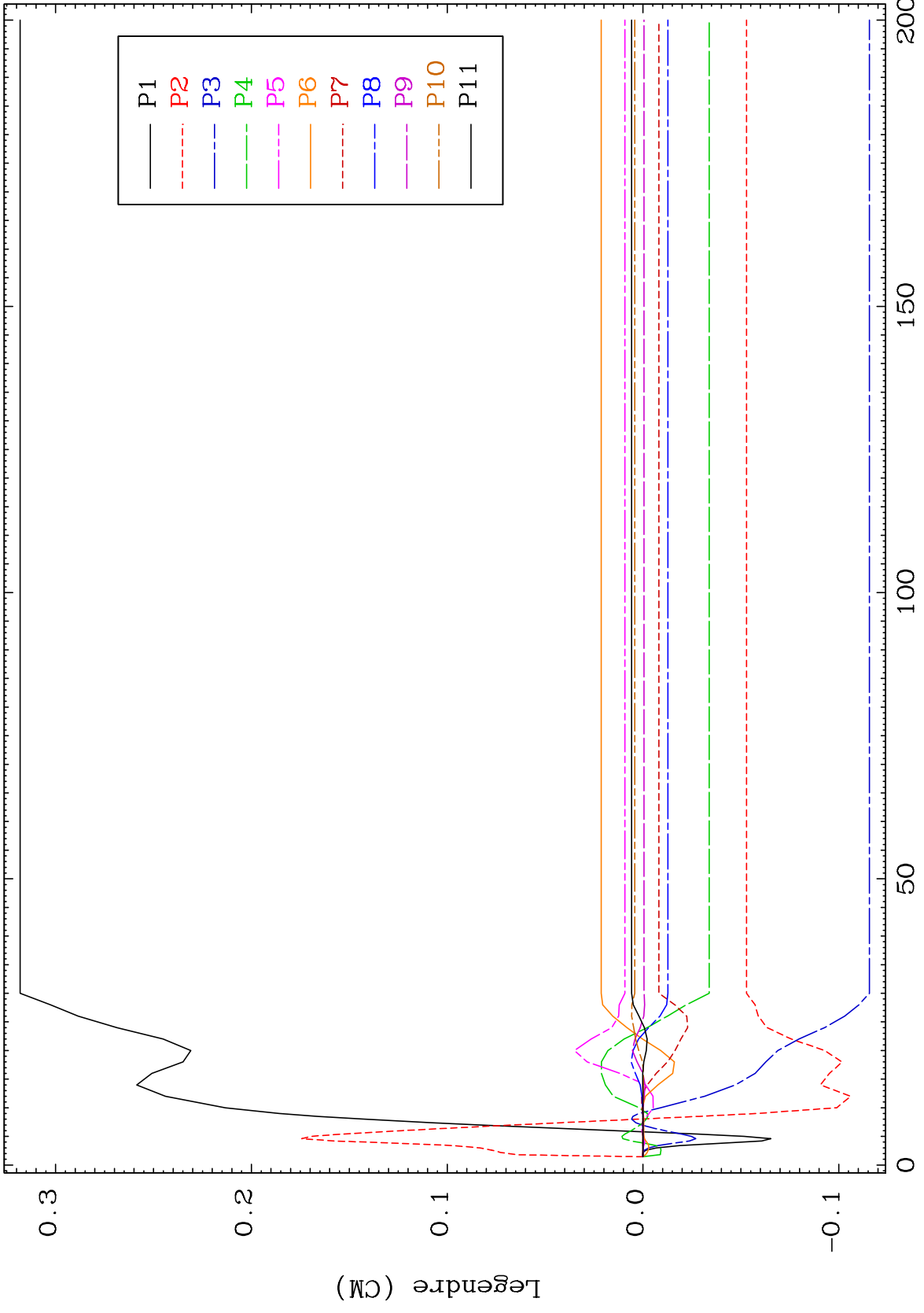
Incident Energy (MeV)

74

MAT 7049

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

70-Yb-176



75

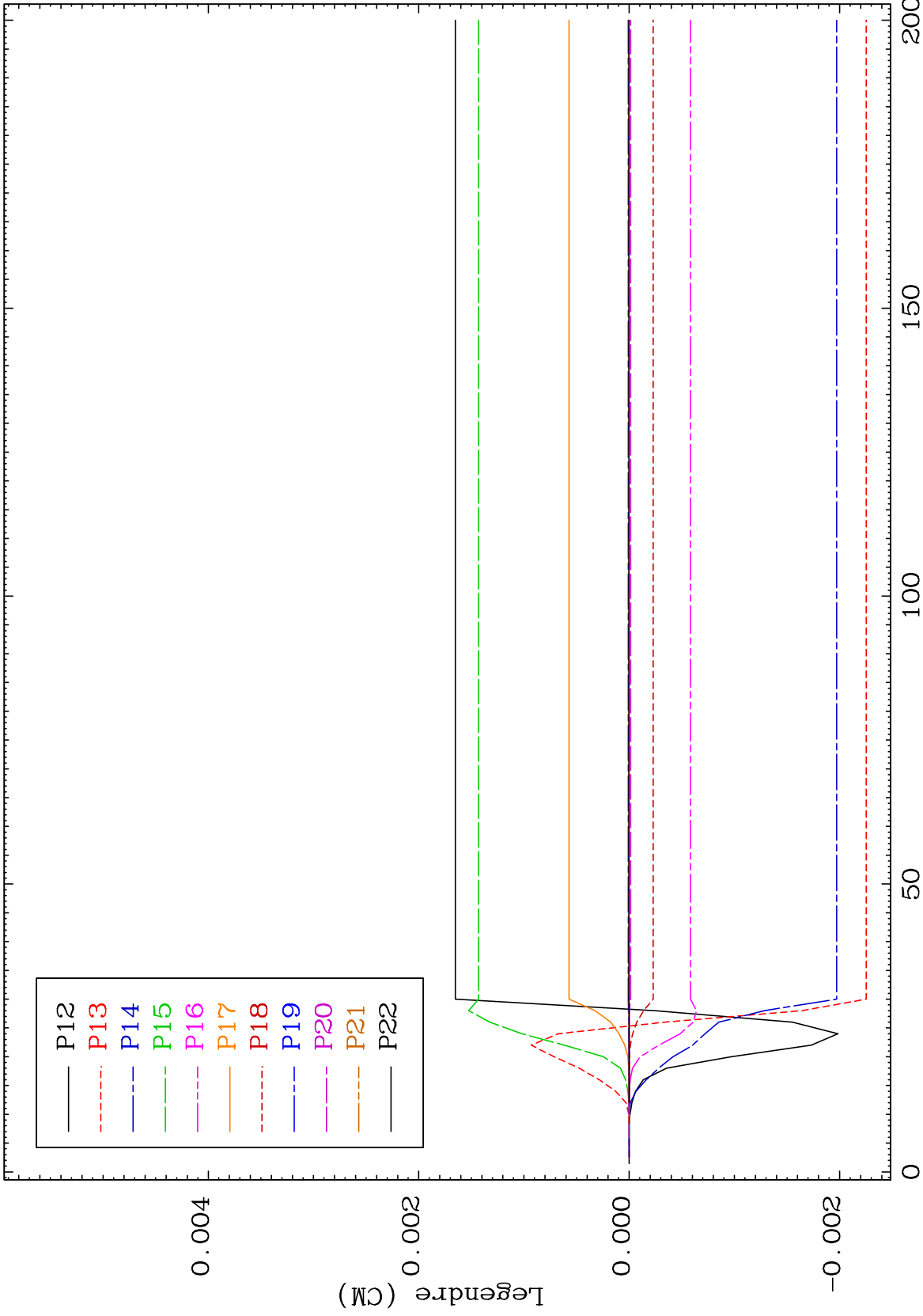
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



76

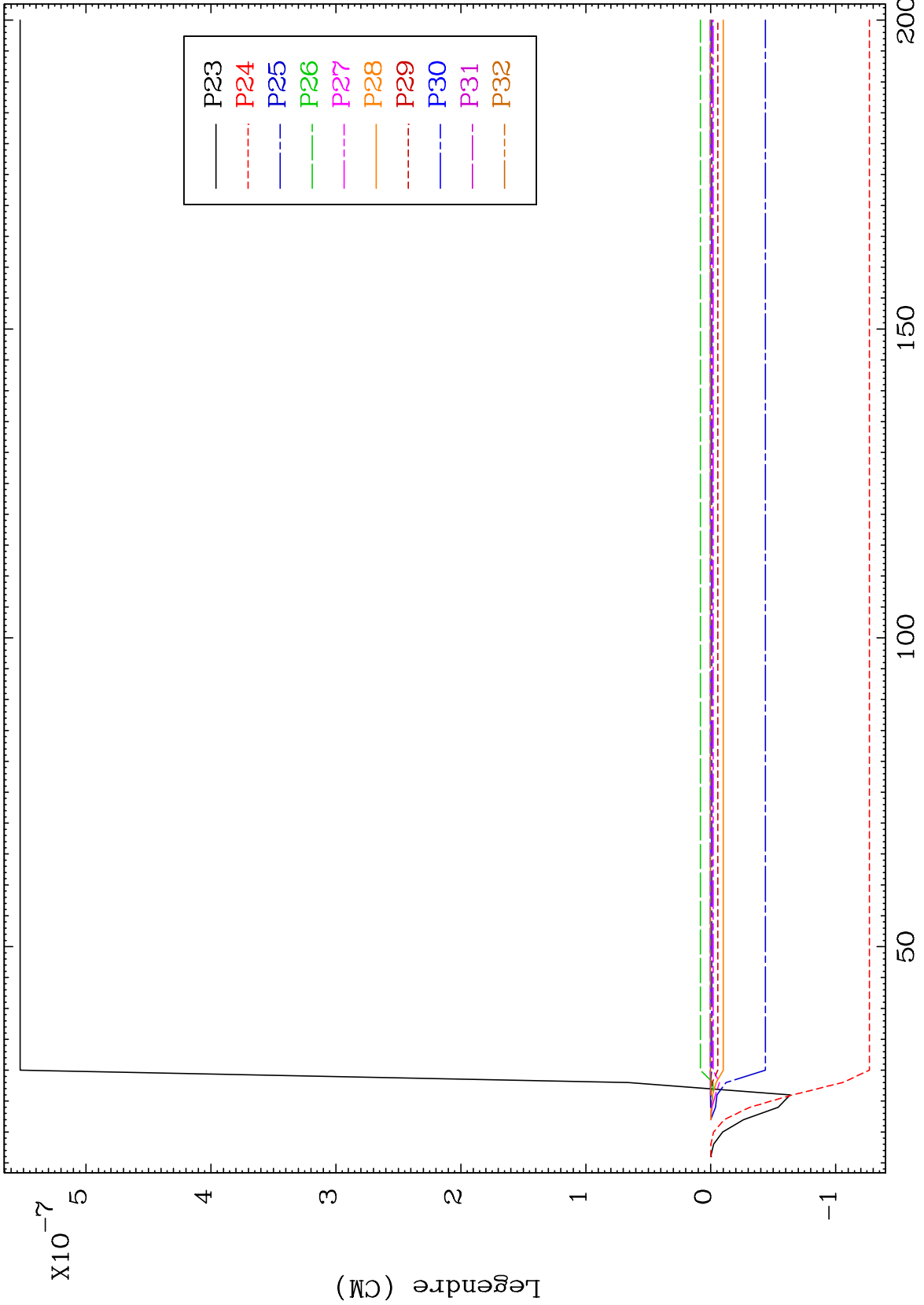
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176

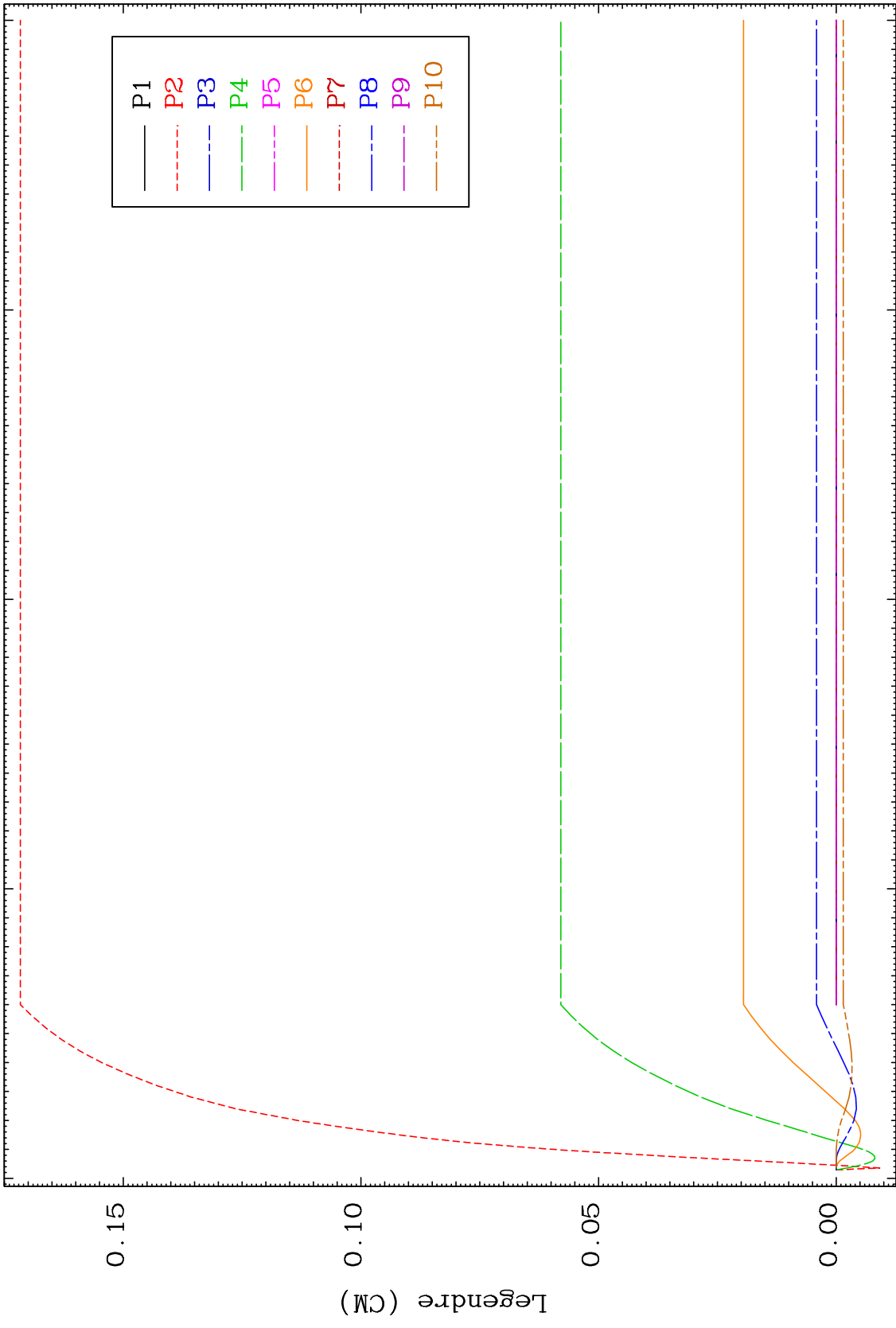


77

Incident Energy (MeV)

70-Yb-176

MAT 7049 MT= 67 (n,n') Level Legendre Coefficients 70-Yb-176

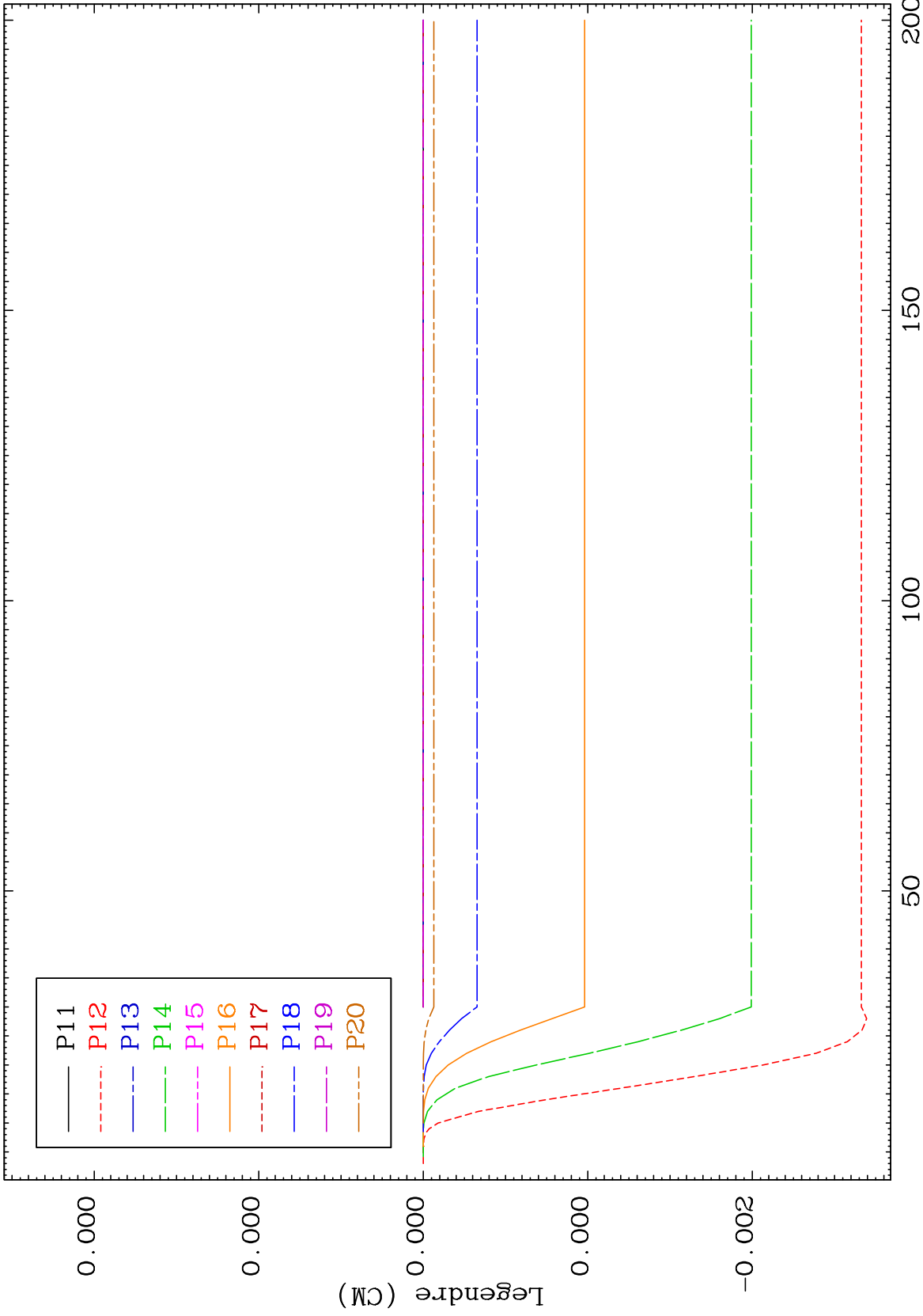


78 Incident Energy (MeV) 70-Yb-176

MAT 7049

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

70-Yb-176



79

Incident Energy (MeV)

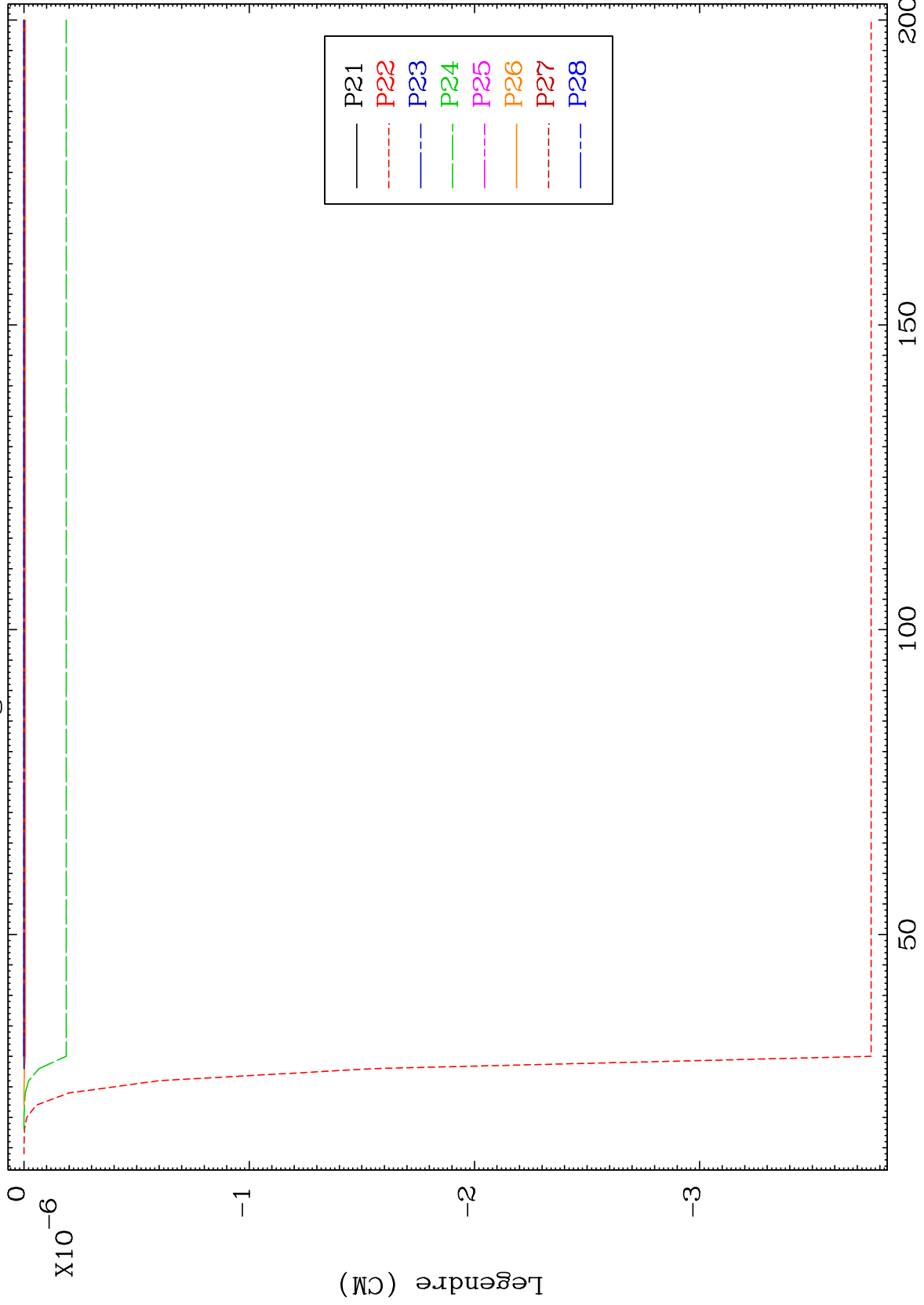
70-Yb-176



MAT 7049

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

70-Yb-176



70-Yb-176

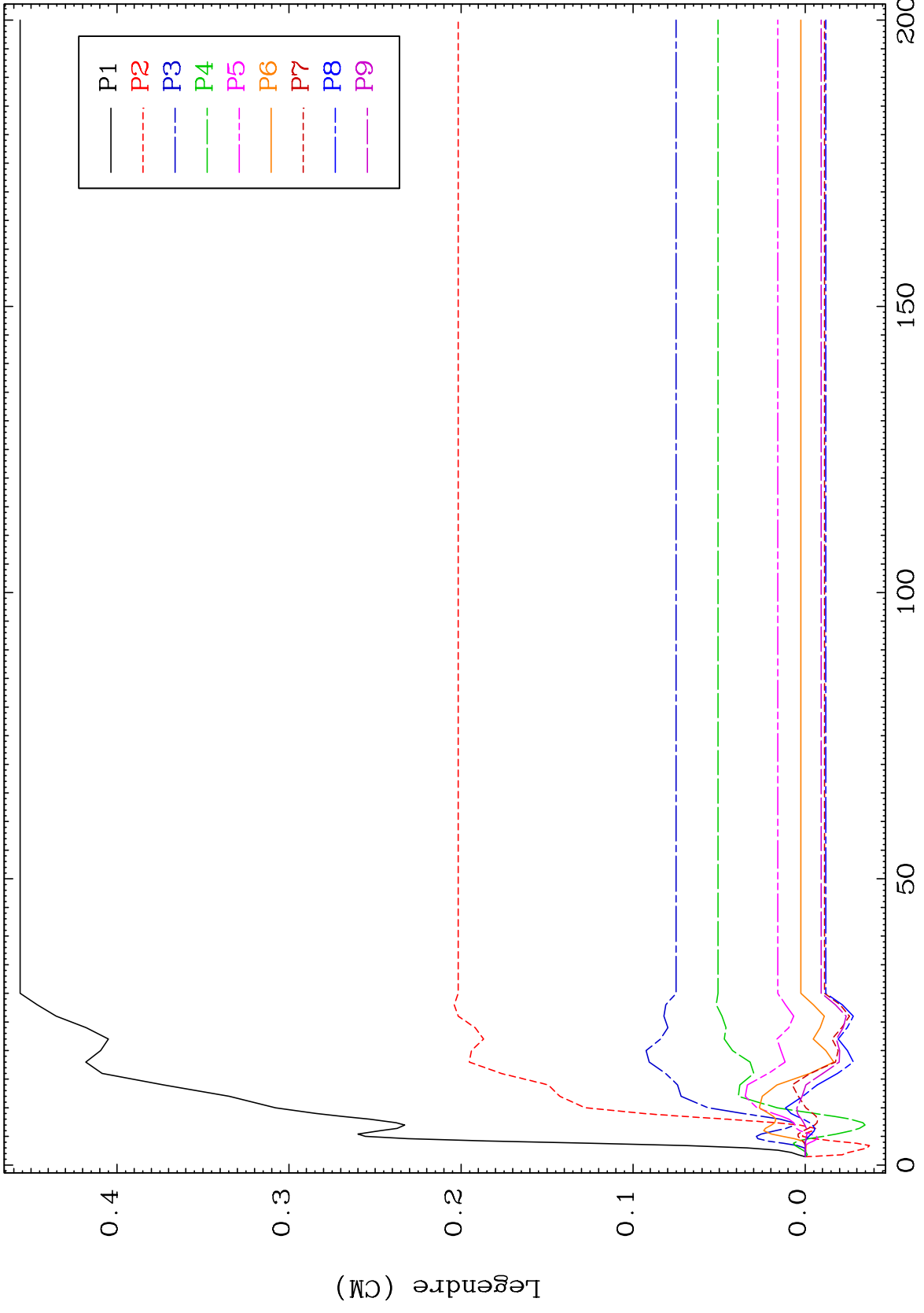
Incident Energy (MeV)

80

MAT 7049

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

70-Yb-176



81

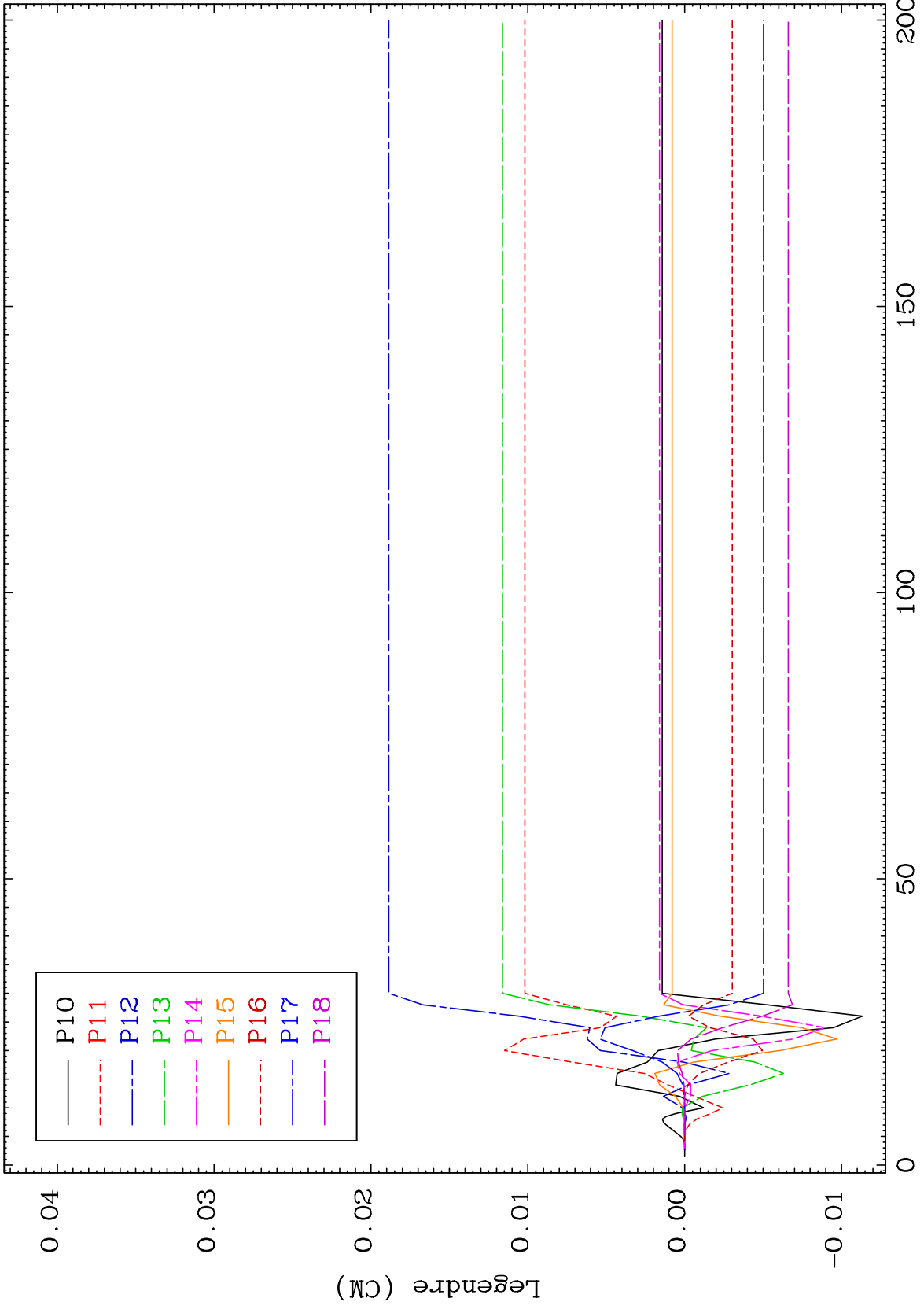
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



82

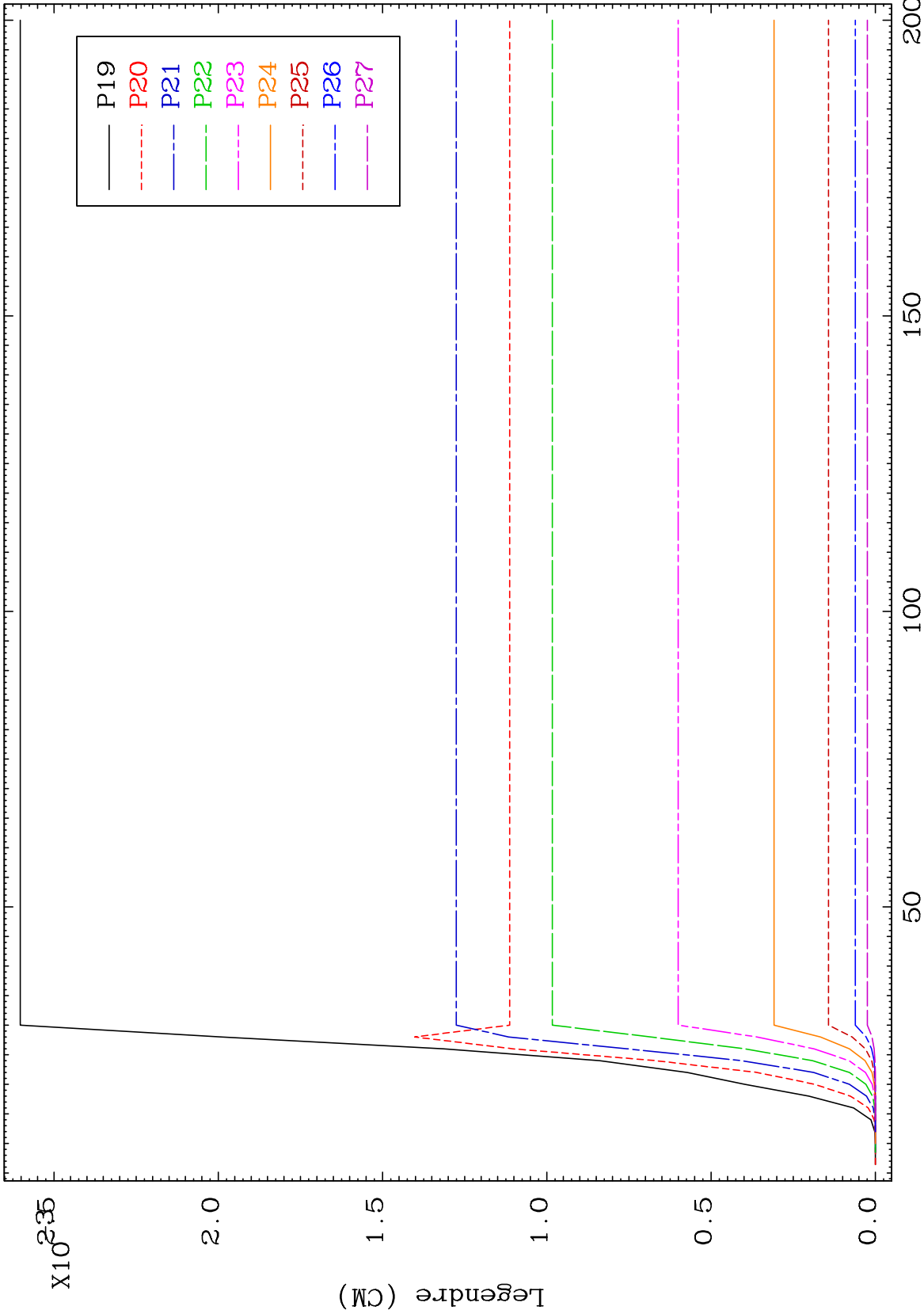
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



83

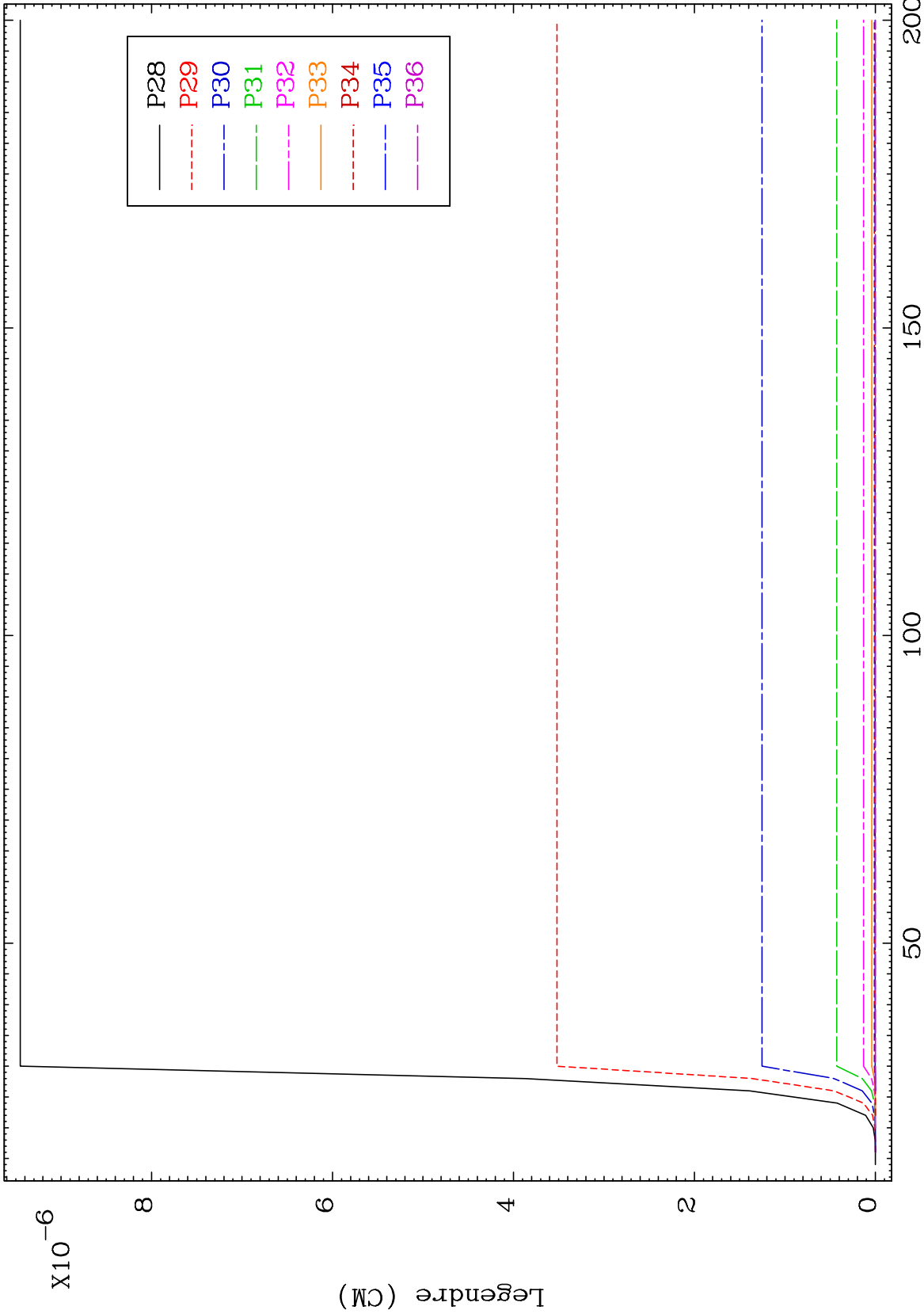
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



84

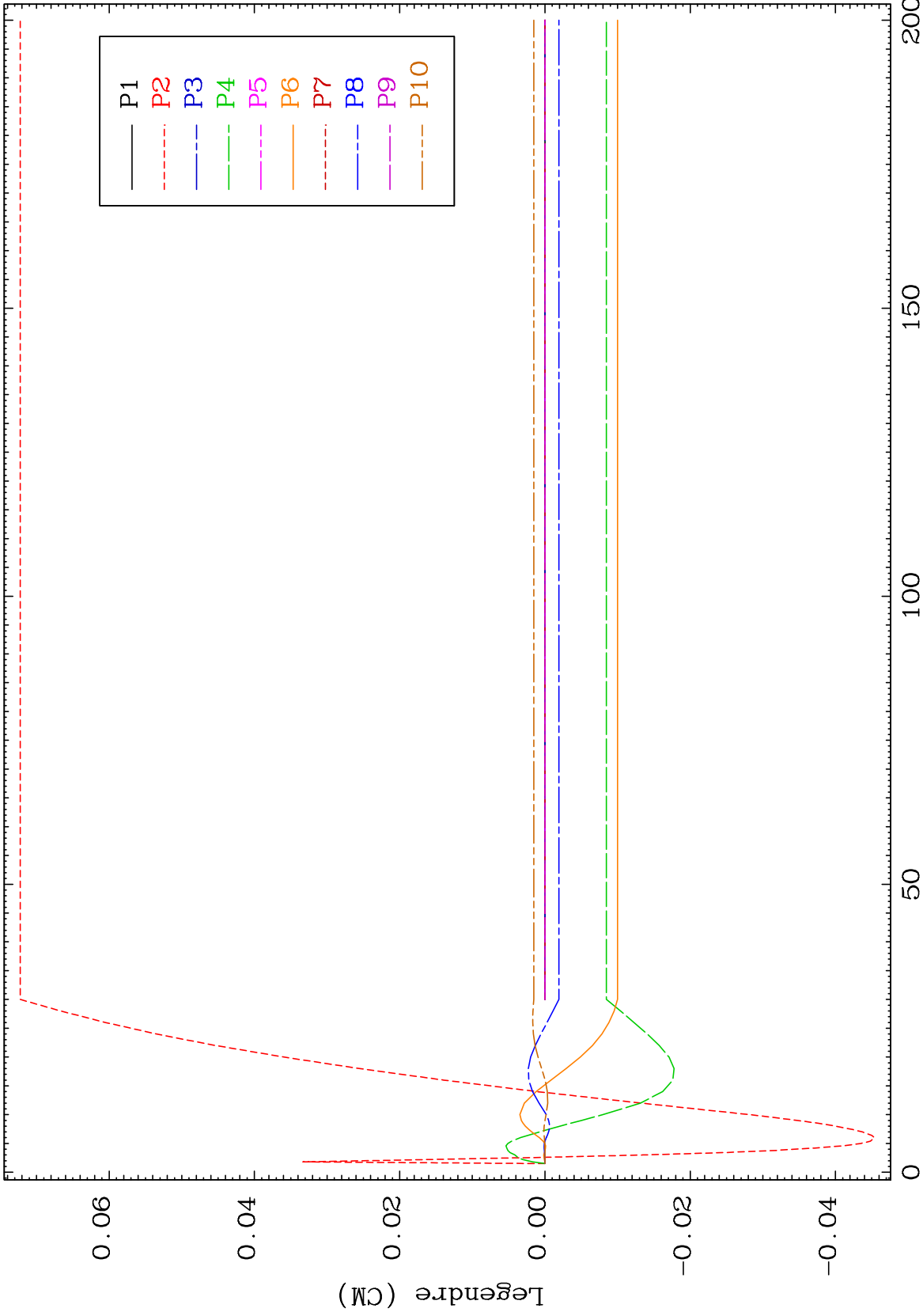
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



85

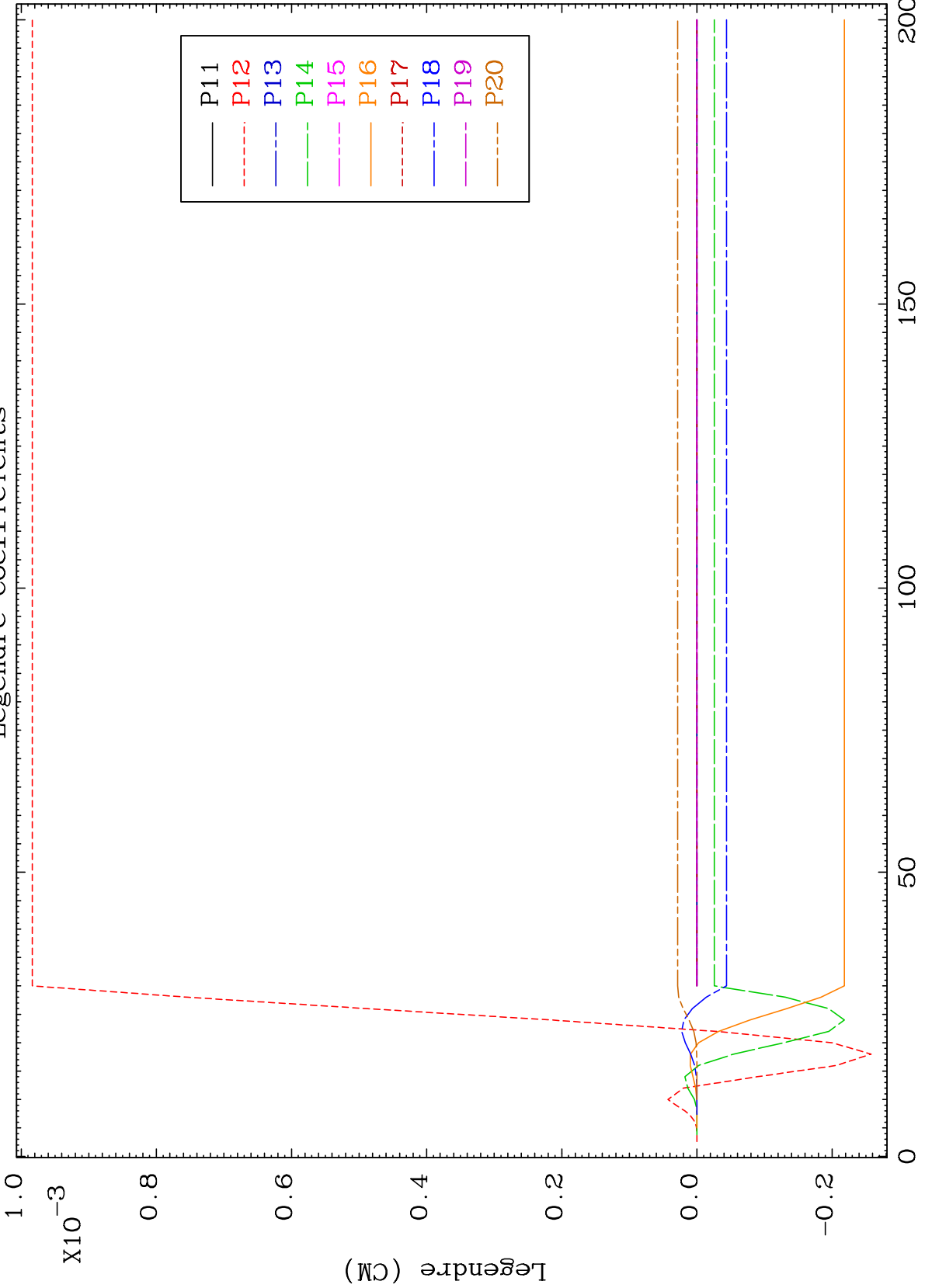
Incident Energy (MeV)

70-Yb-176

MAT 7049 MT= 69 (n,n') Level Legendre Coefficients

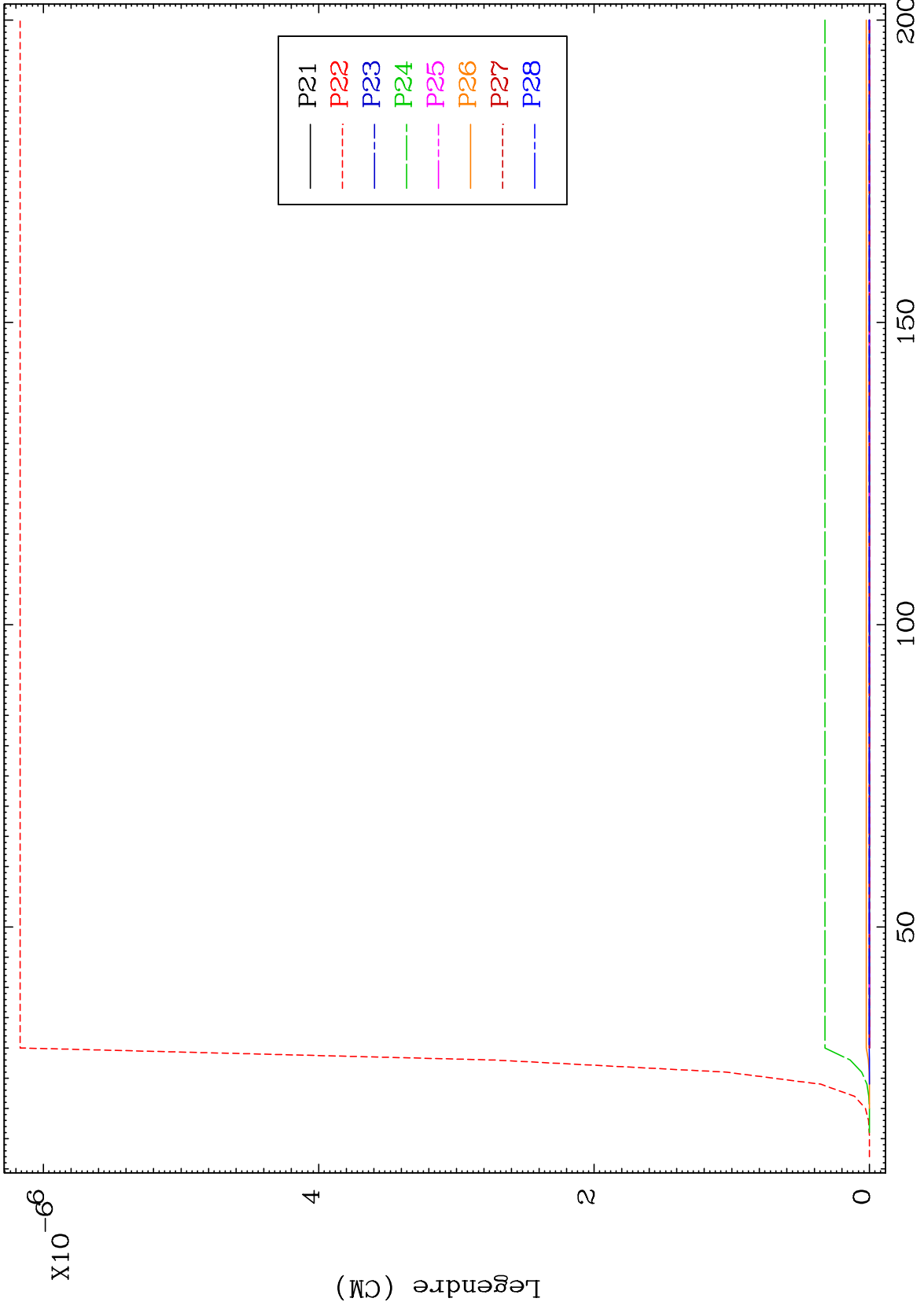
70-Yb-176

70-Yb-176



86

MAT 7049 MT= 69 (n,n') Level Legendre Coefficients 70-Yb-176

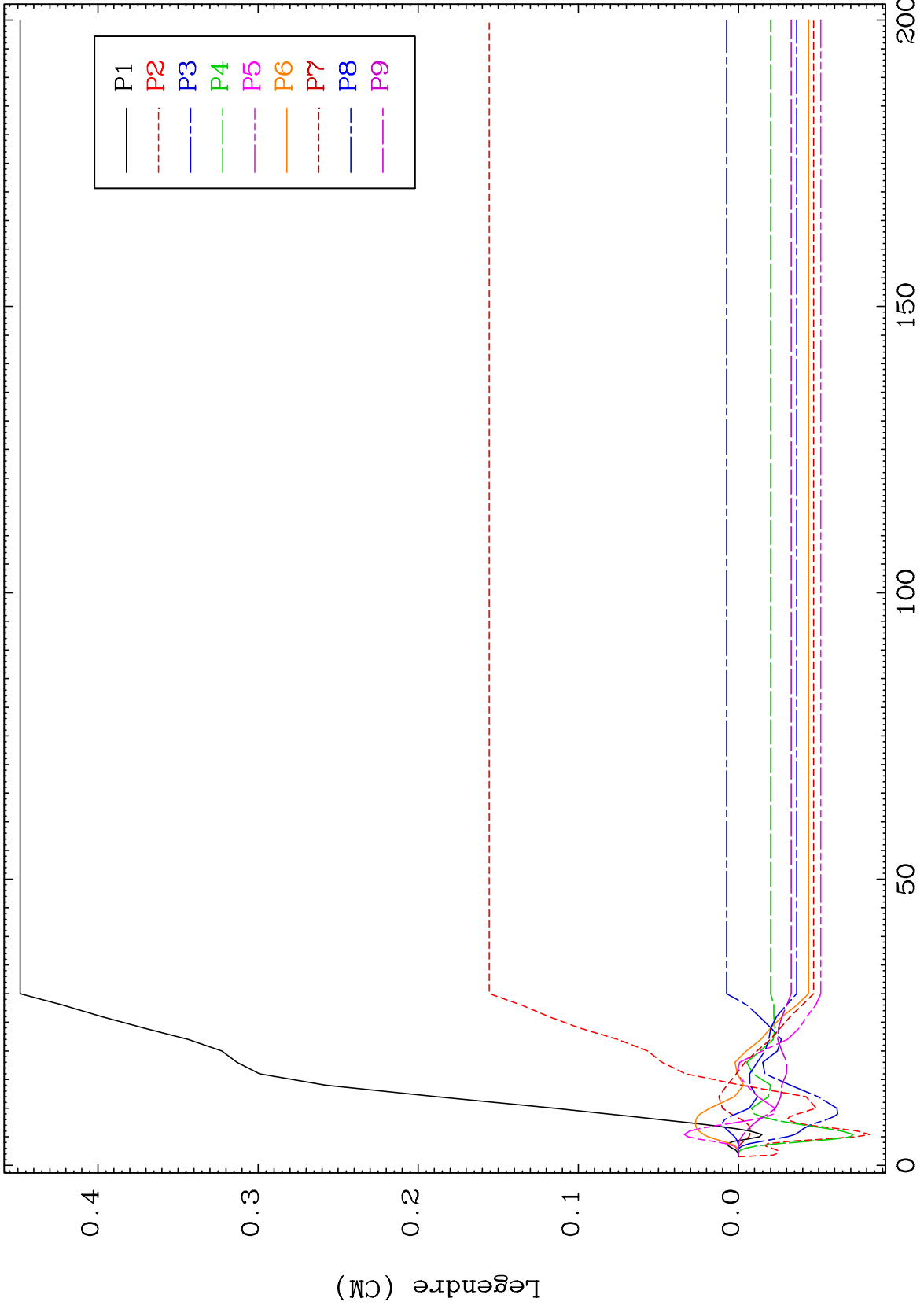




MAT 7049

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

70-Yb-176



88

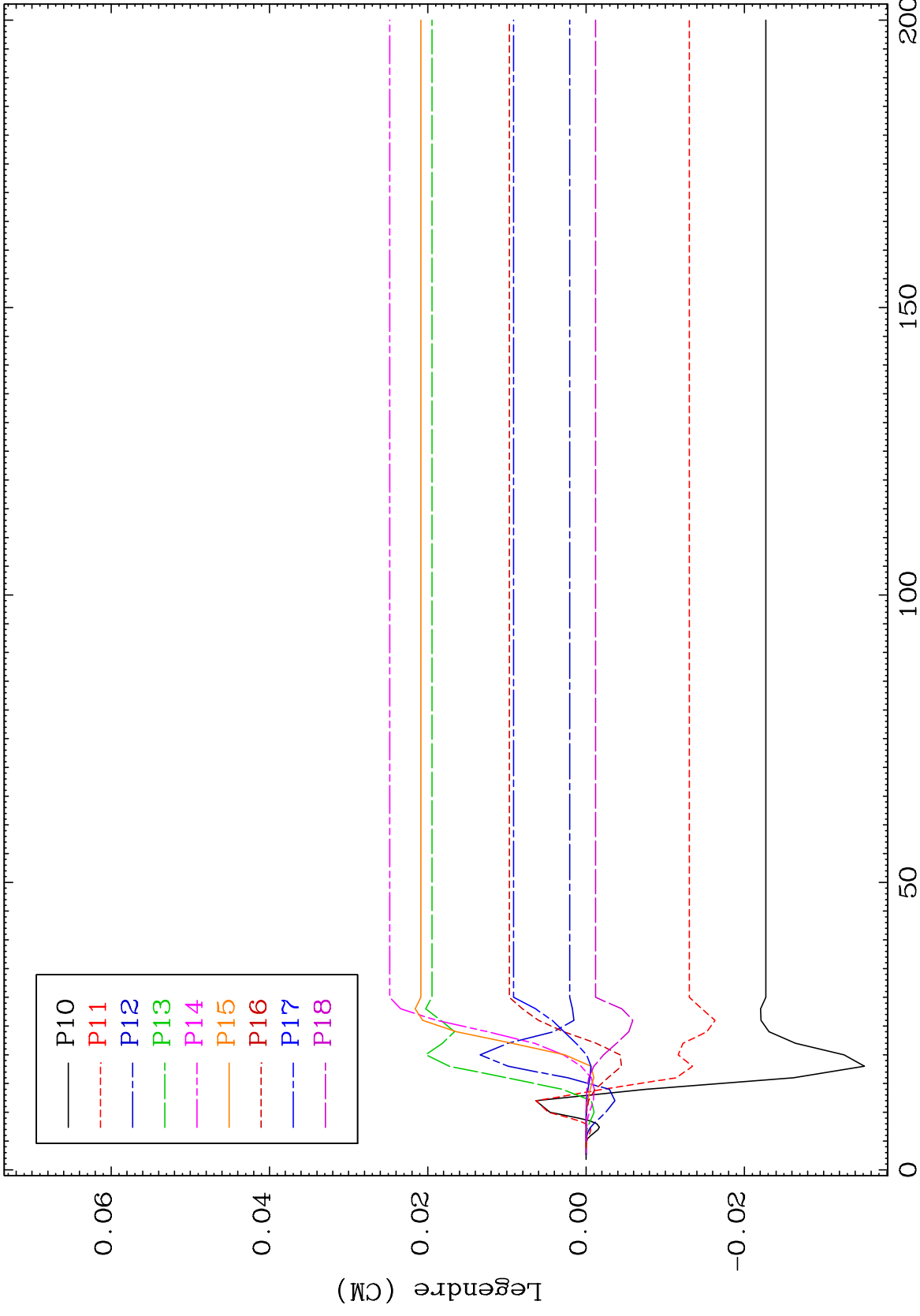
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



89

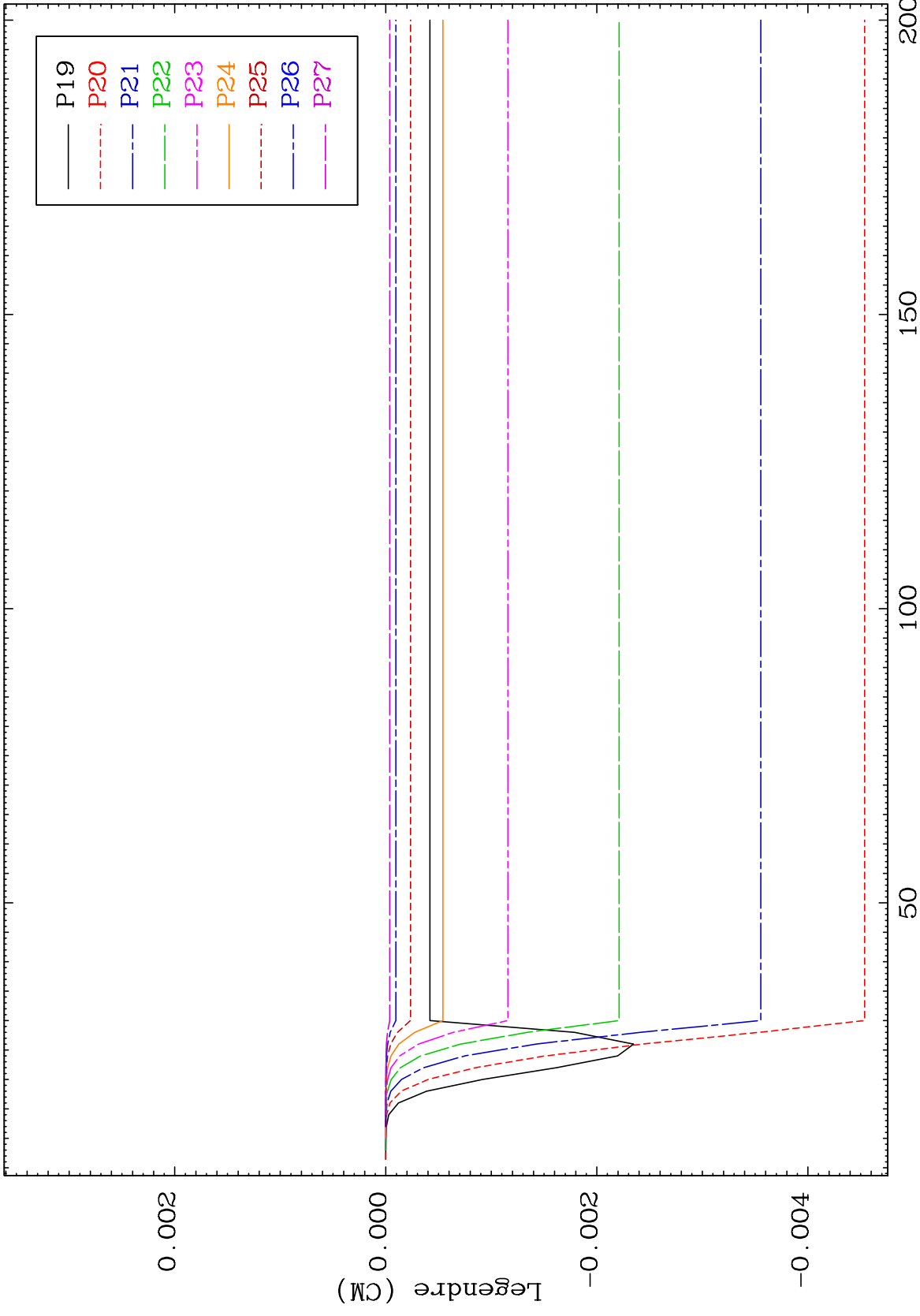
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



90

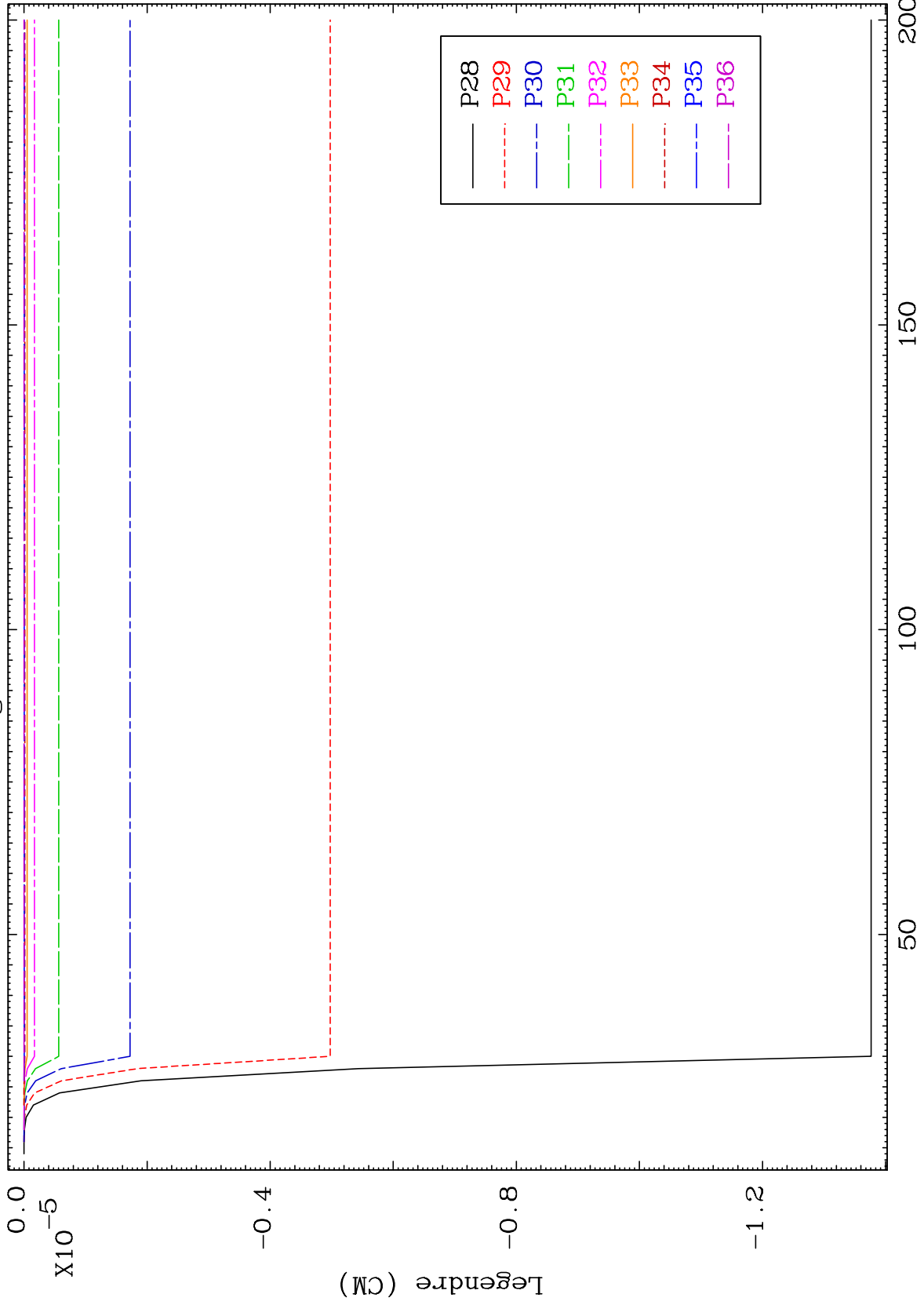
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



70-Yb-176

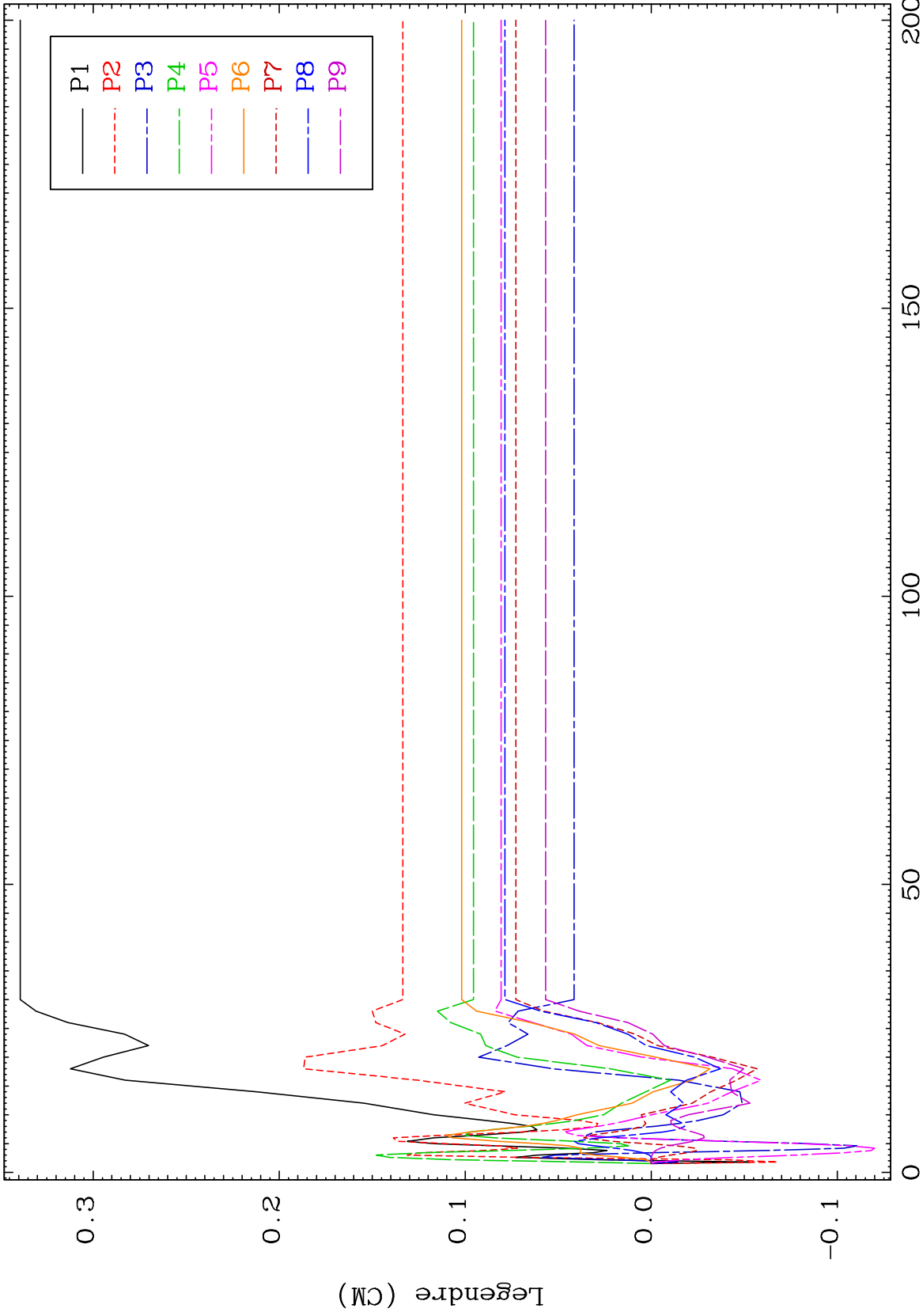
Incident Energy (MeV)

91

MAT 7049

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

70-Yb-176



92

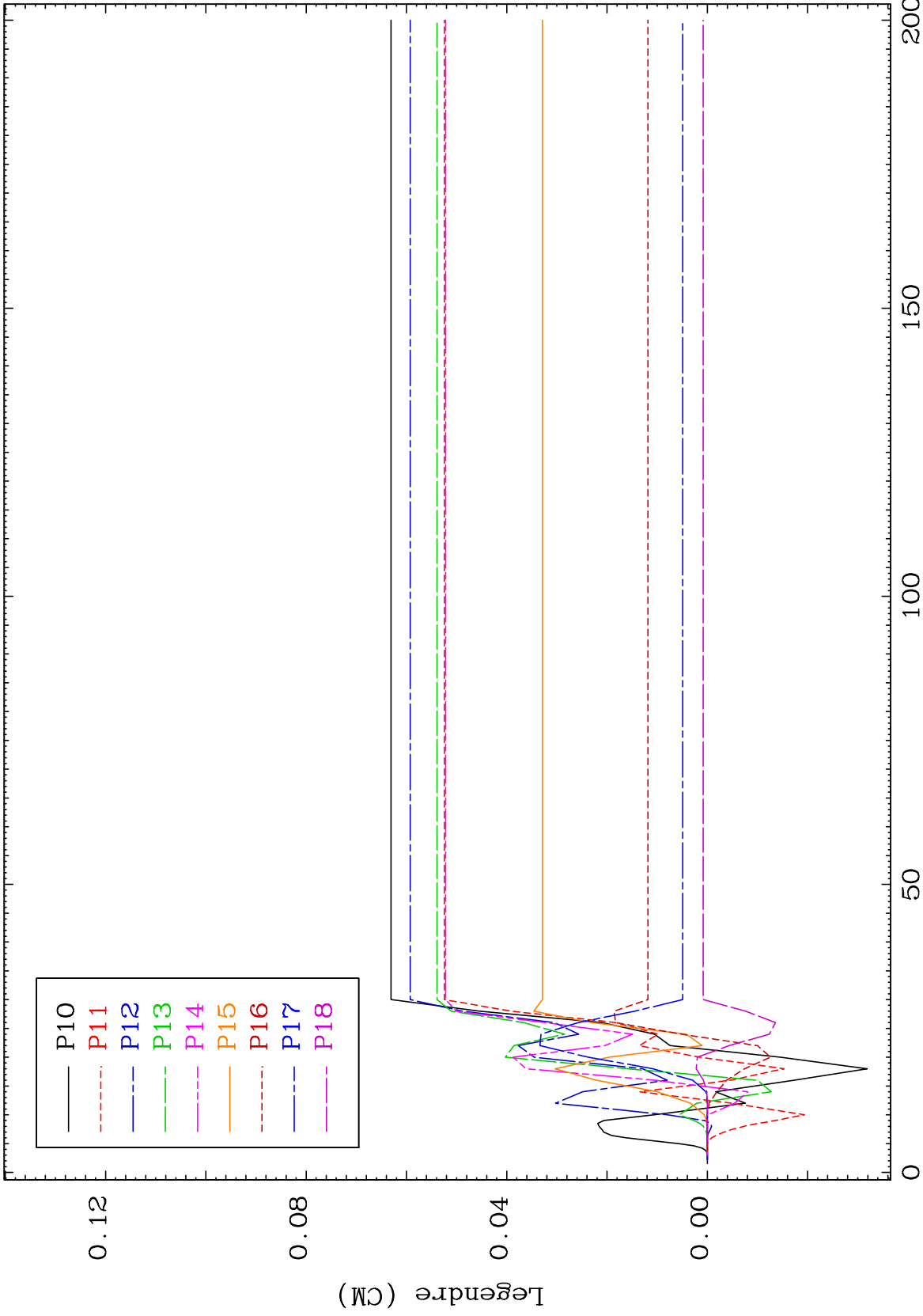
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

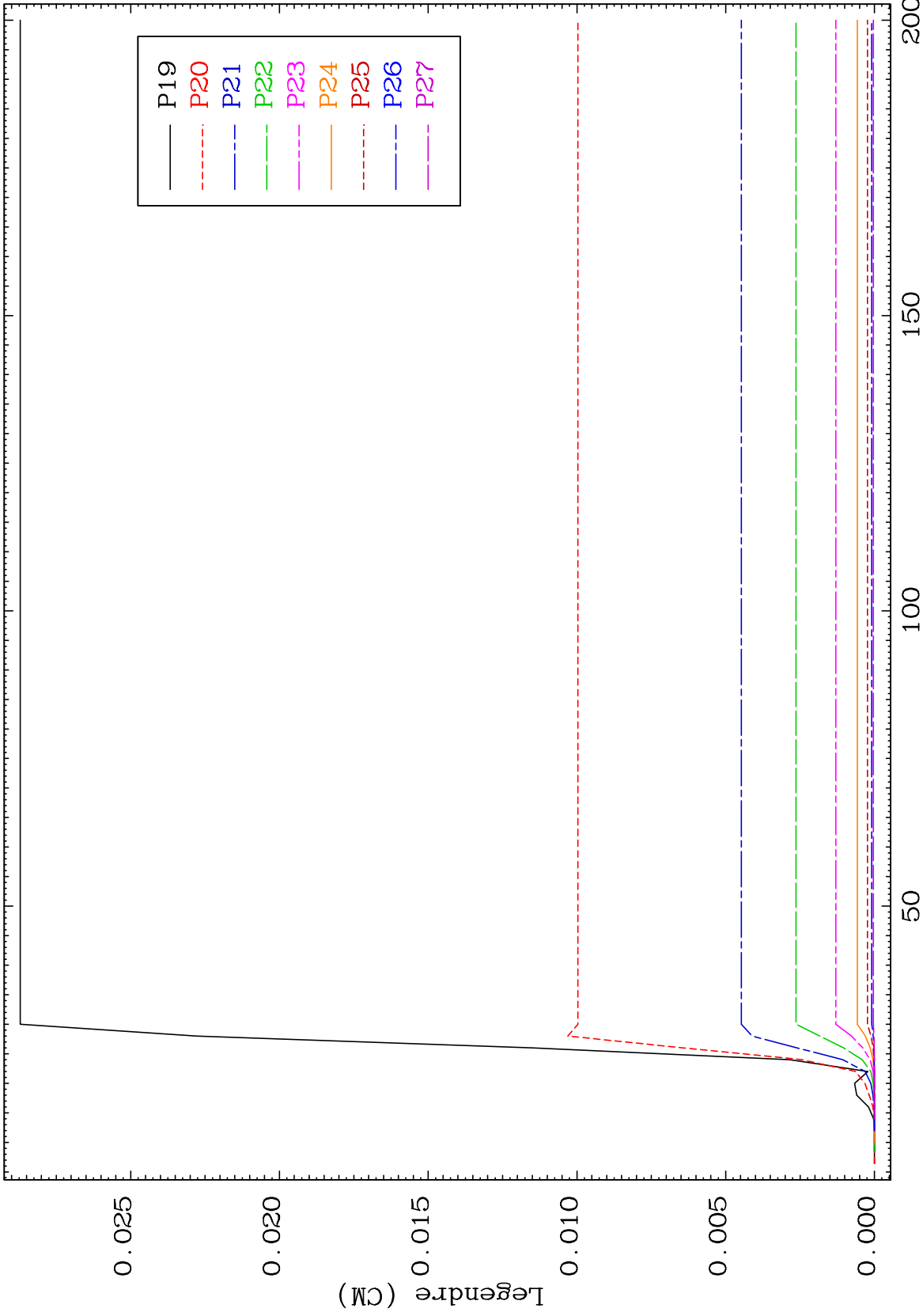
70-Yb-176



MAT 7049

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

70-Yb-176



94

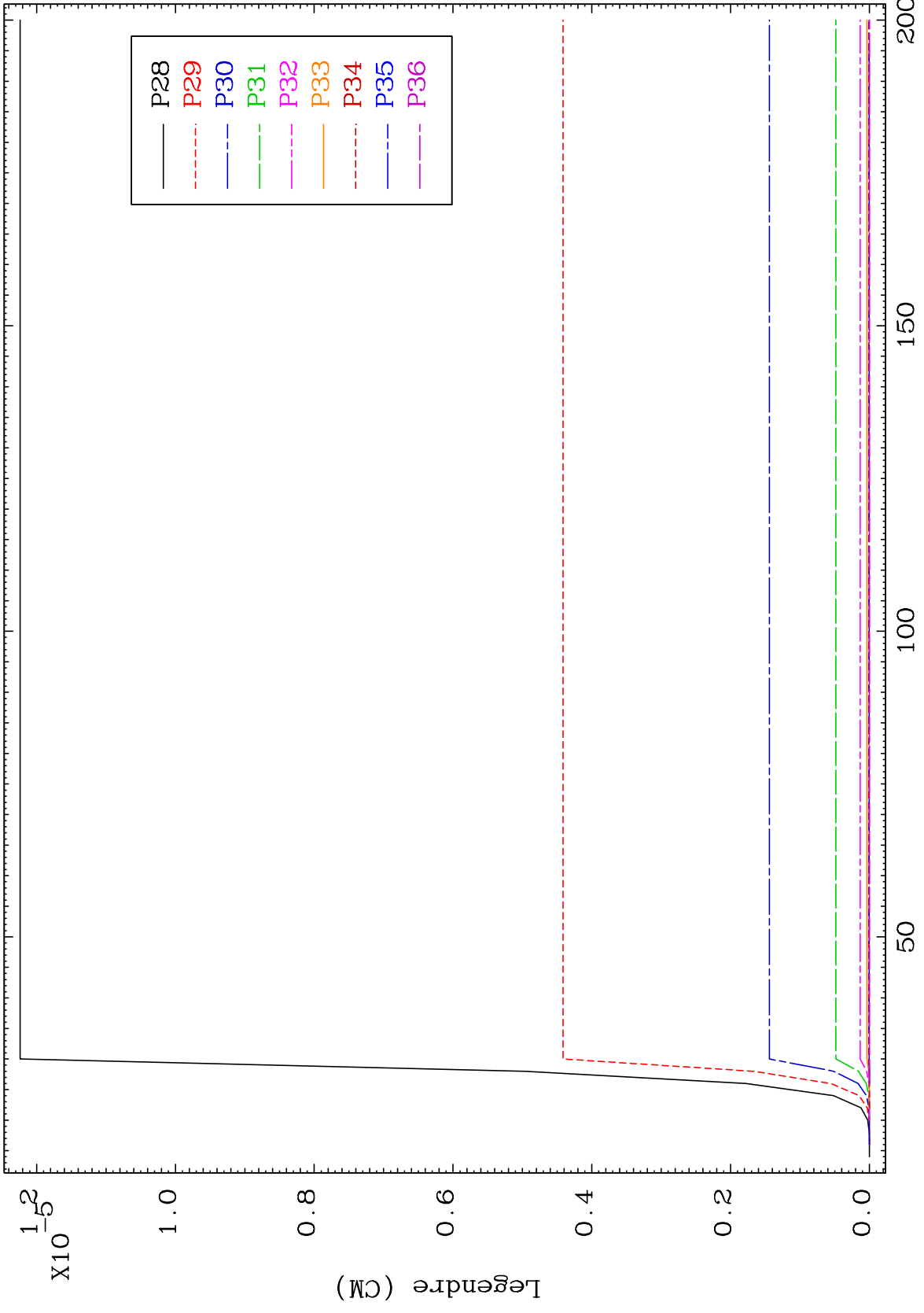
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



95

Incident Energy (MeV)

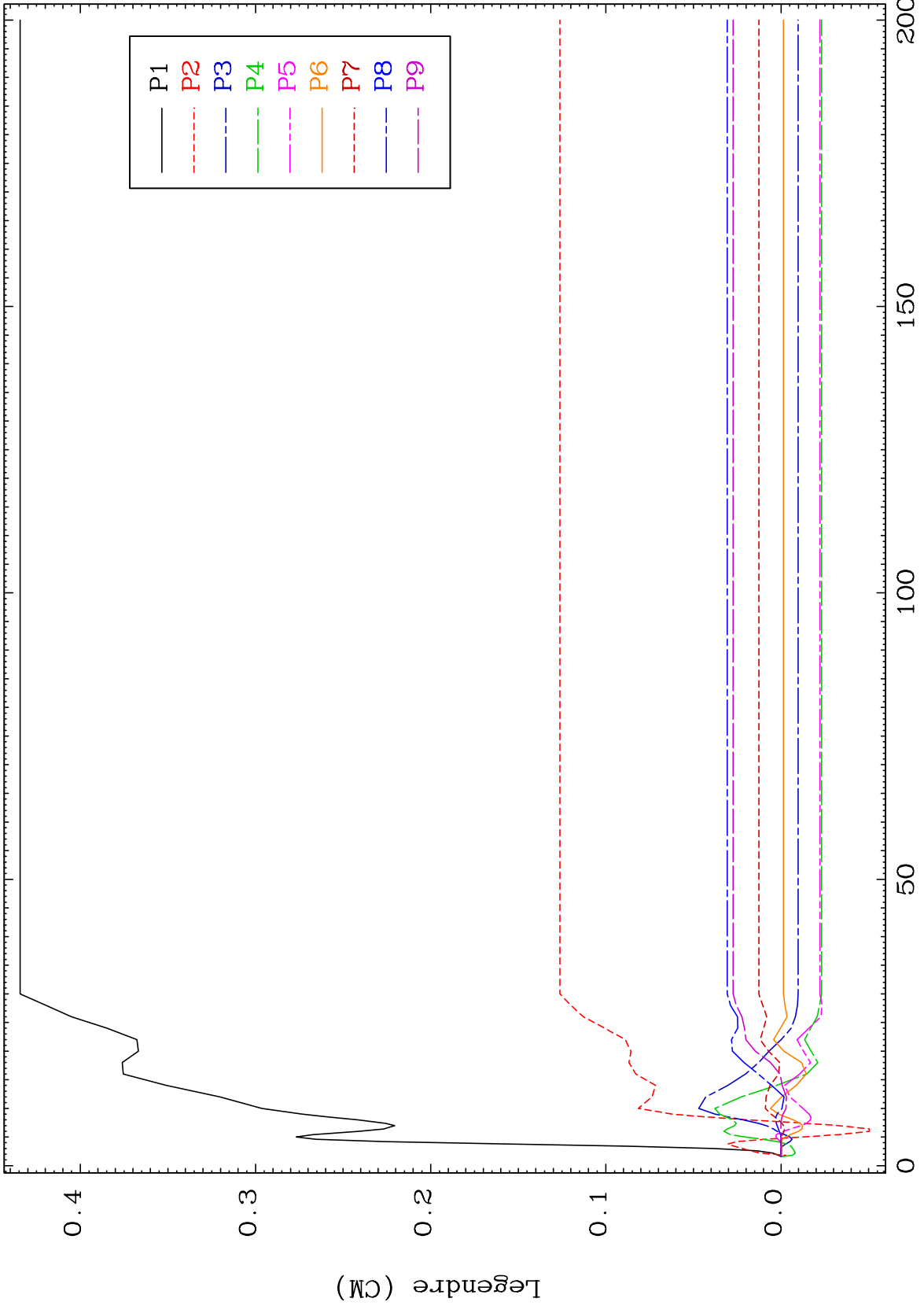
70-Yb-176



MAT 7049

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

70-Yb-176



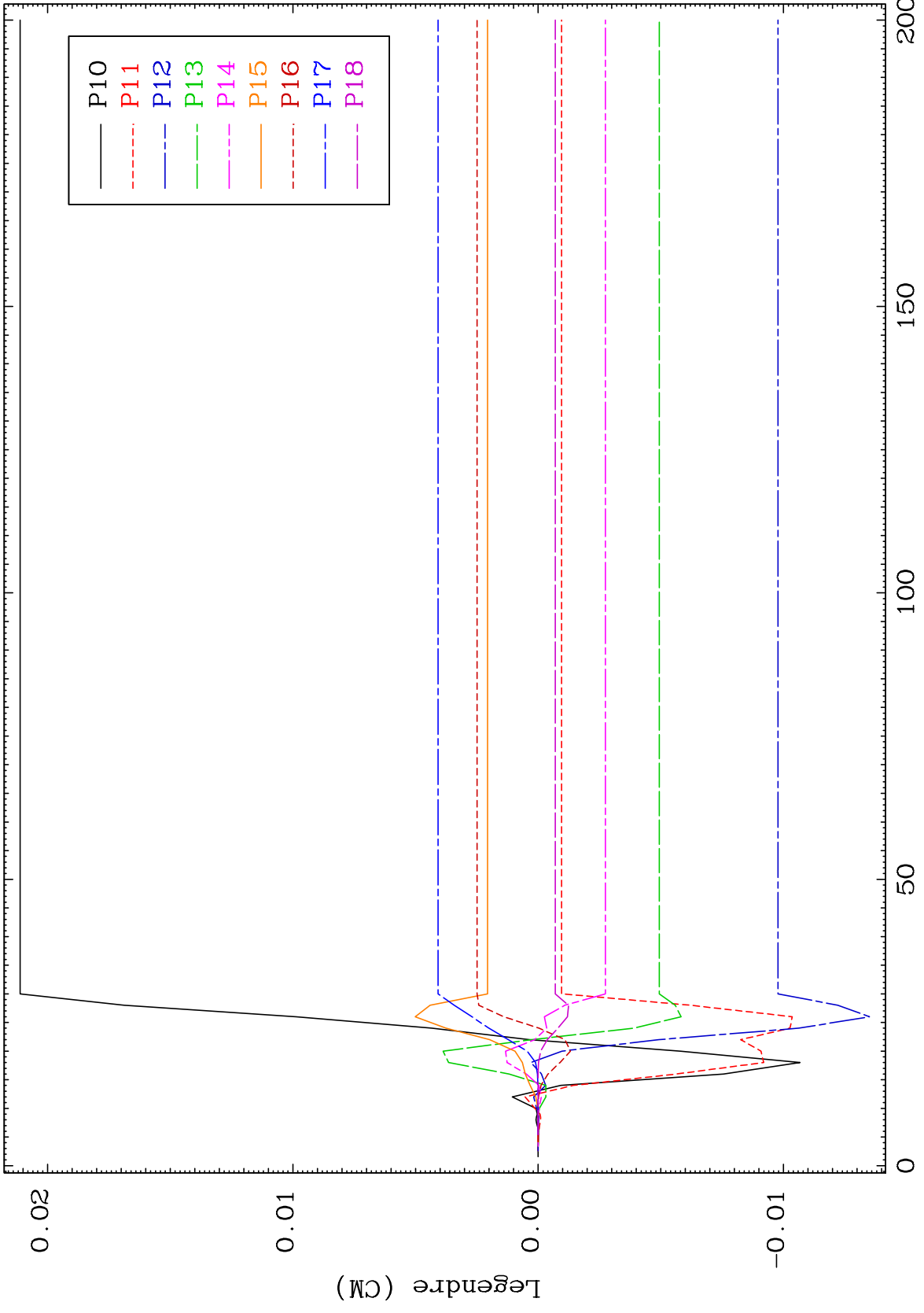
96

70-Yb-176

MAT 7049

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

70-Yb-176



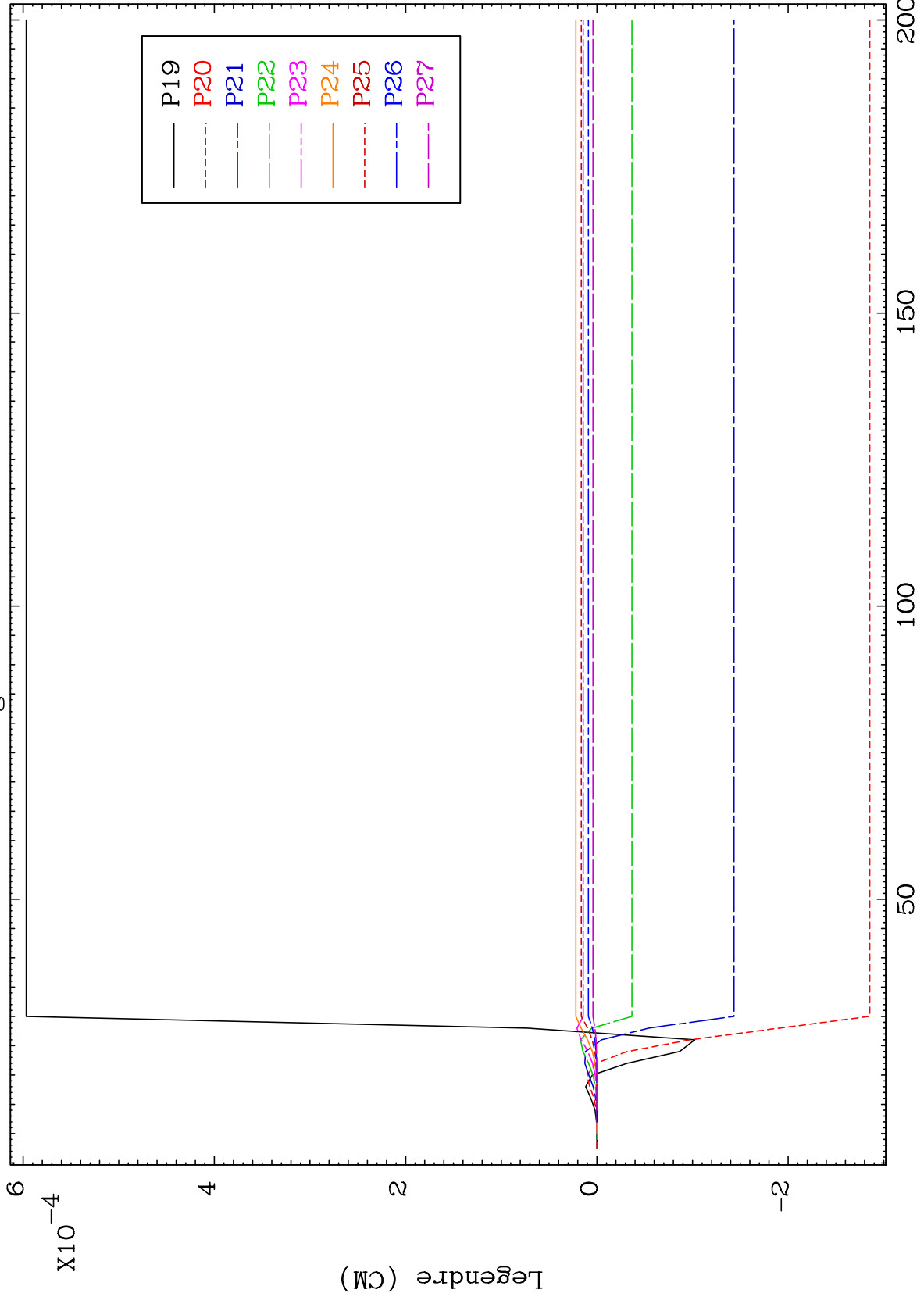
97

70-Yb-176

MAT 7049

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

70-Yb-176



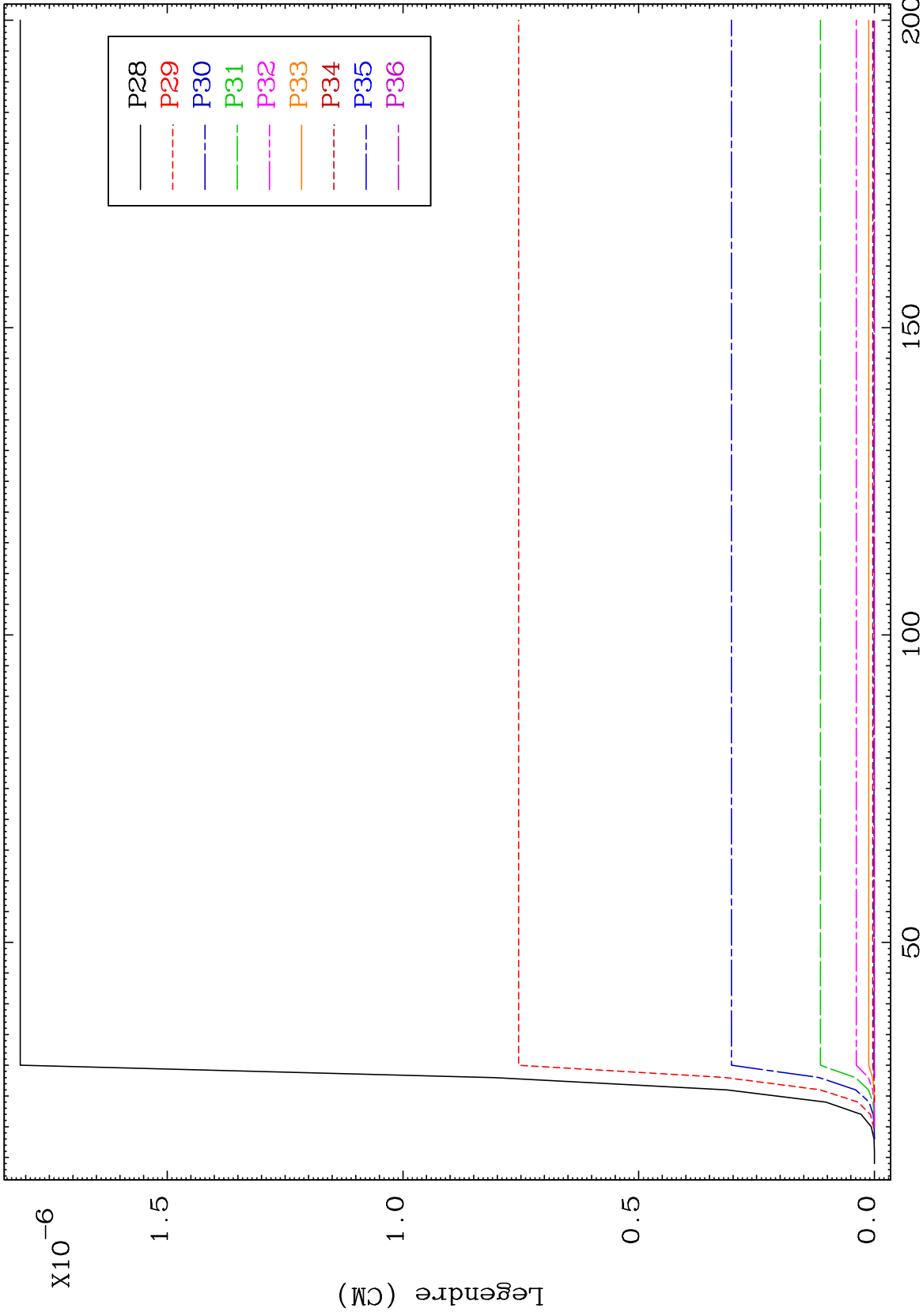
98

70-Yb-176

MAT 7049

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

70-Yb-176



99

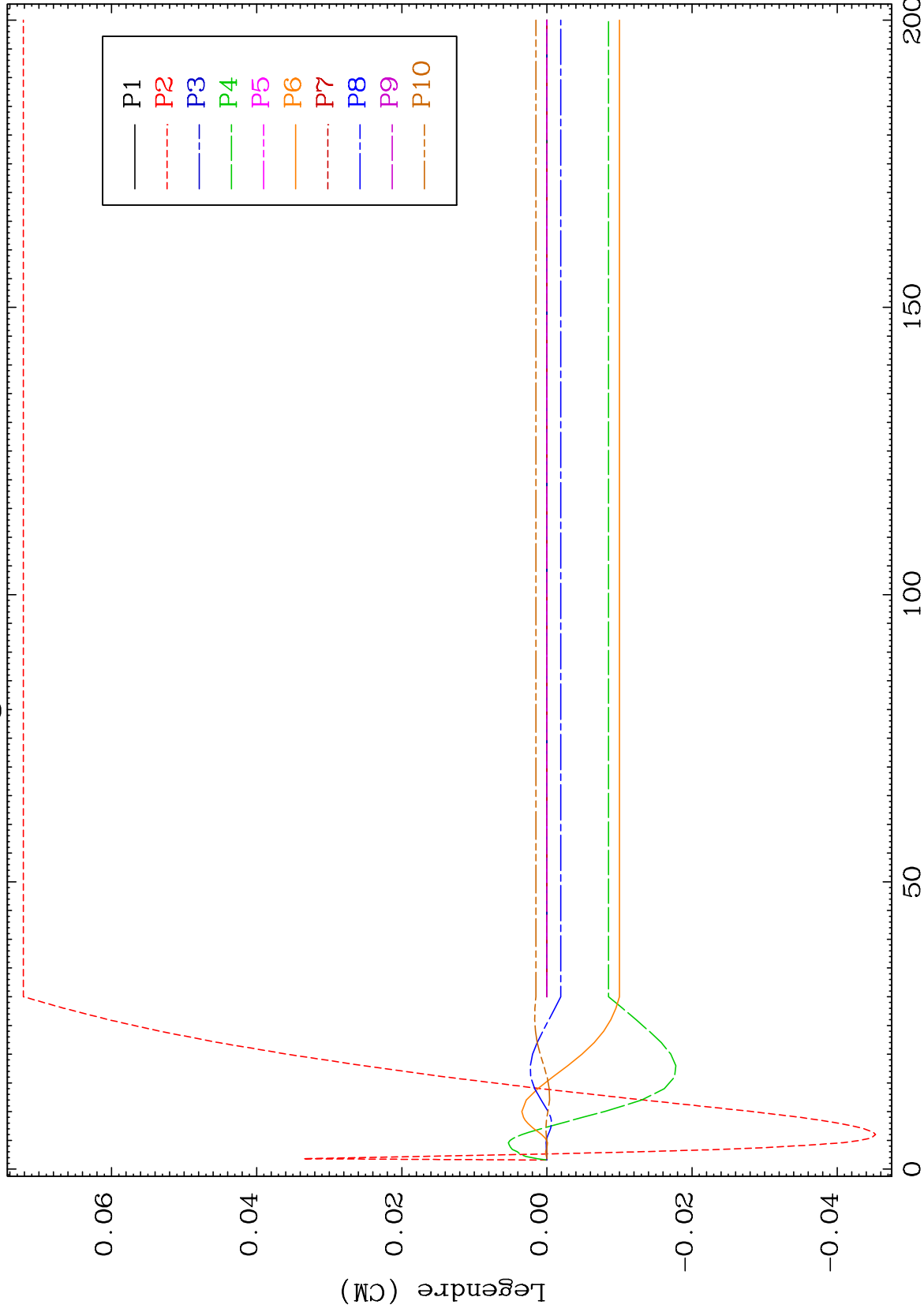
Incident Energy (MeV)

70-Yb-176

MAT 7049

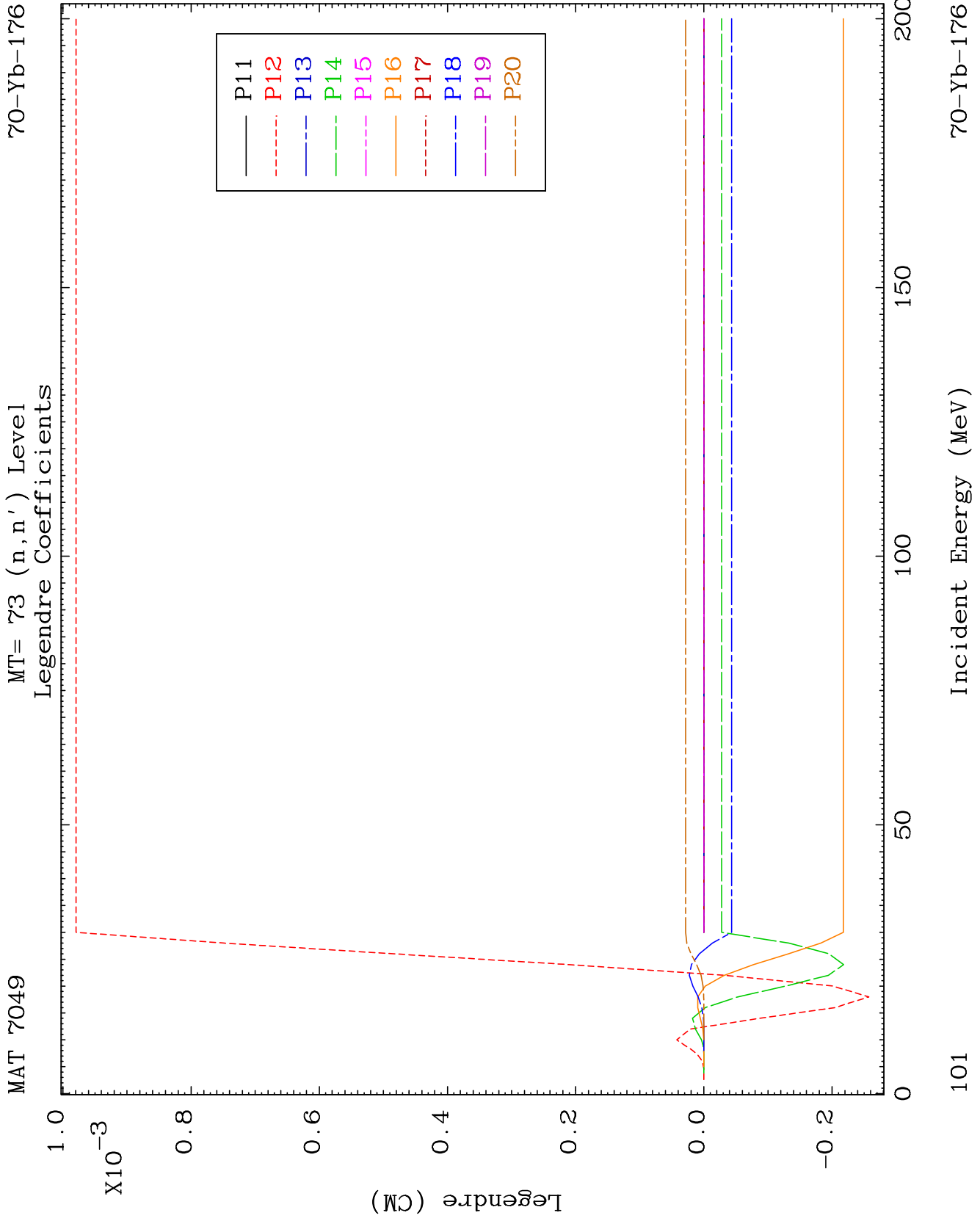
MT= 73 (n,n') Level  
Legendre Coefficients

70-Yb-176

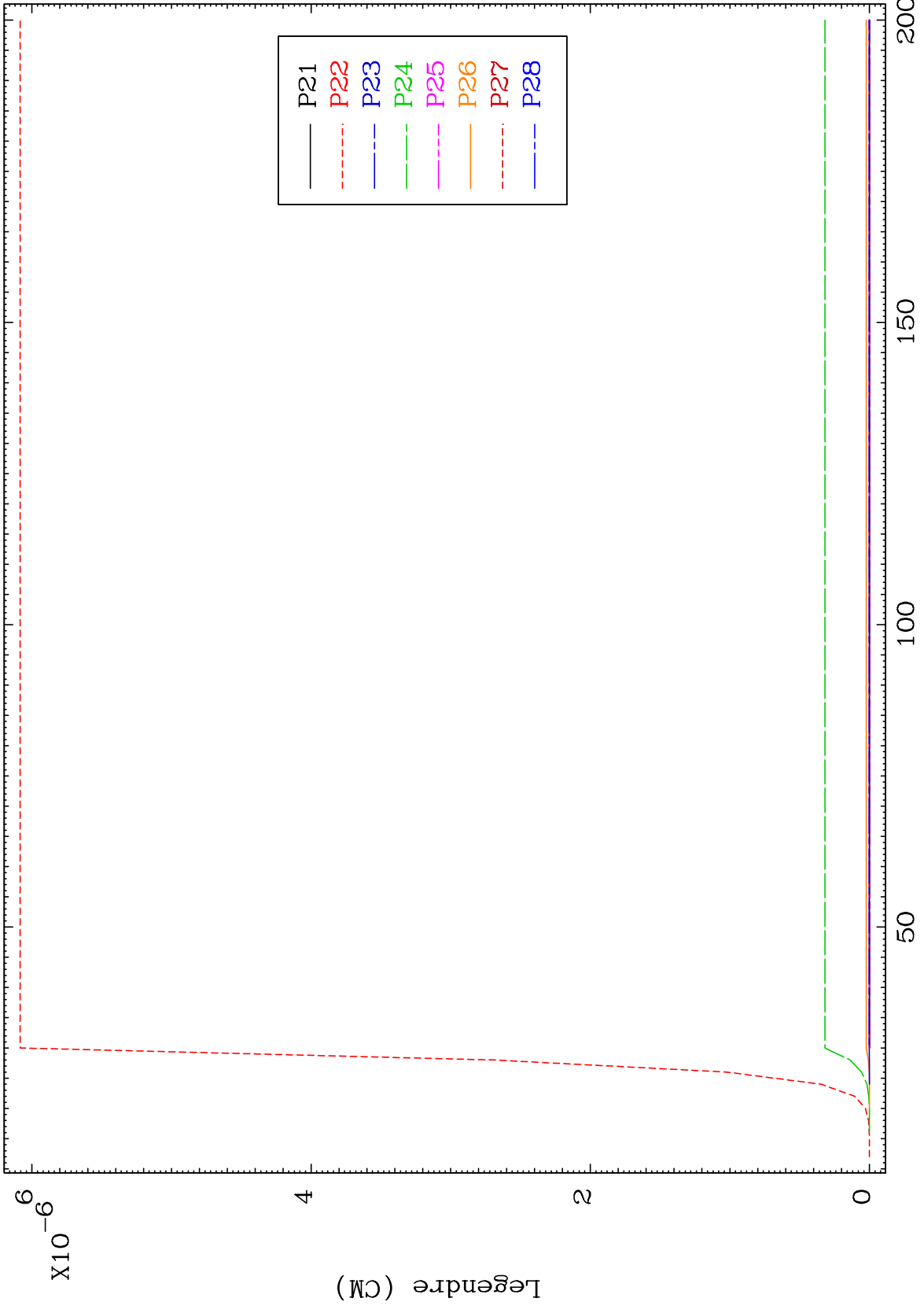


70-Yb-176

70-Yb-176



MAT 7049 MT= 73 (n,n') Level Legendre Coefficients 70-Yb-176

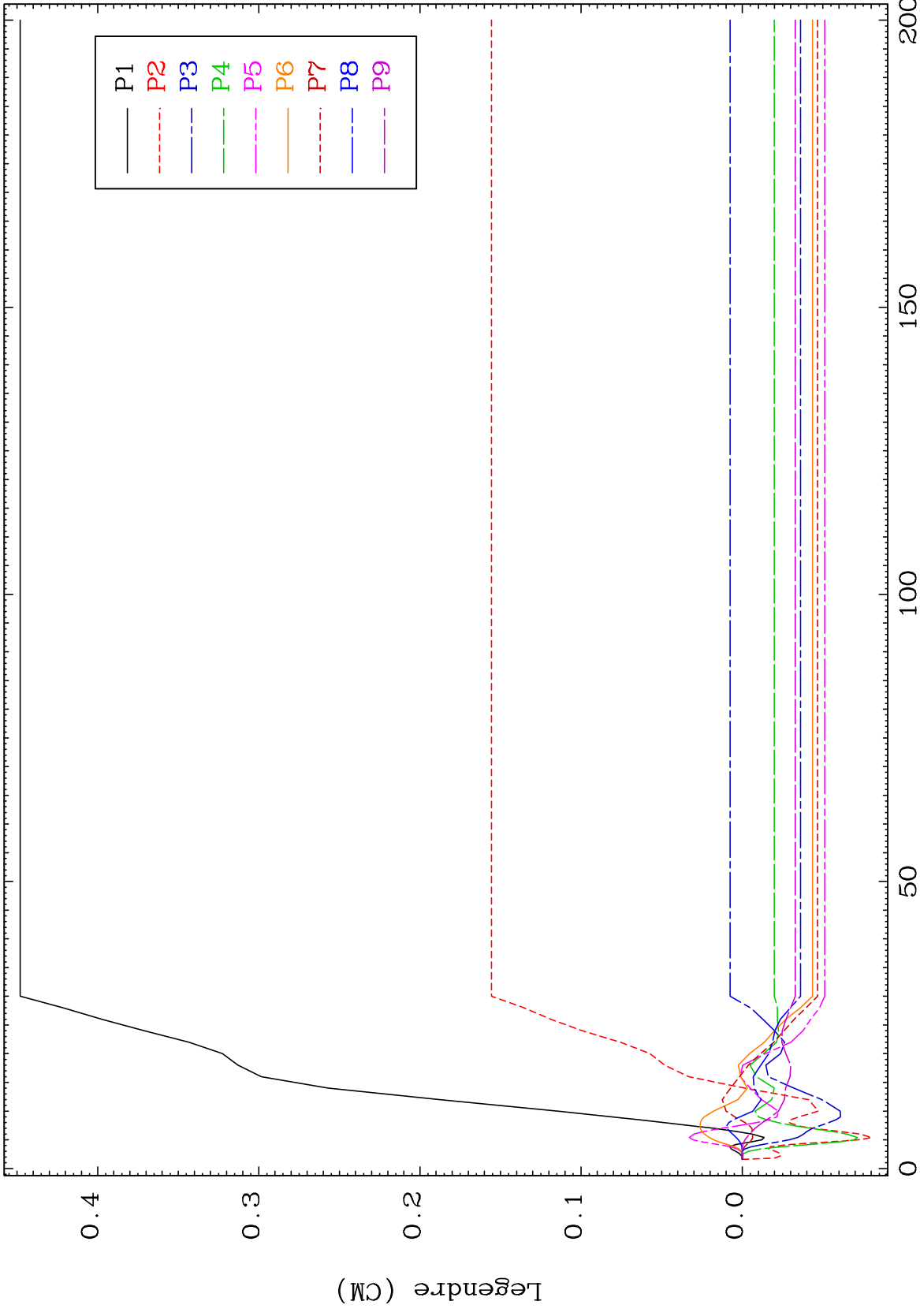


102 50 100 150 200 70-Yb-176

MAT 7049

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

70-Yb-176



103

Incident Energy (MeV)

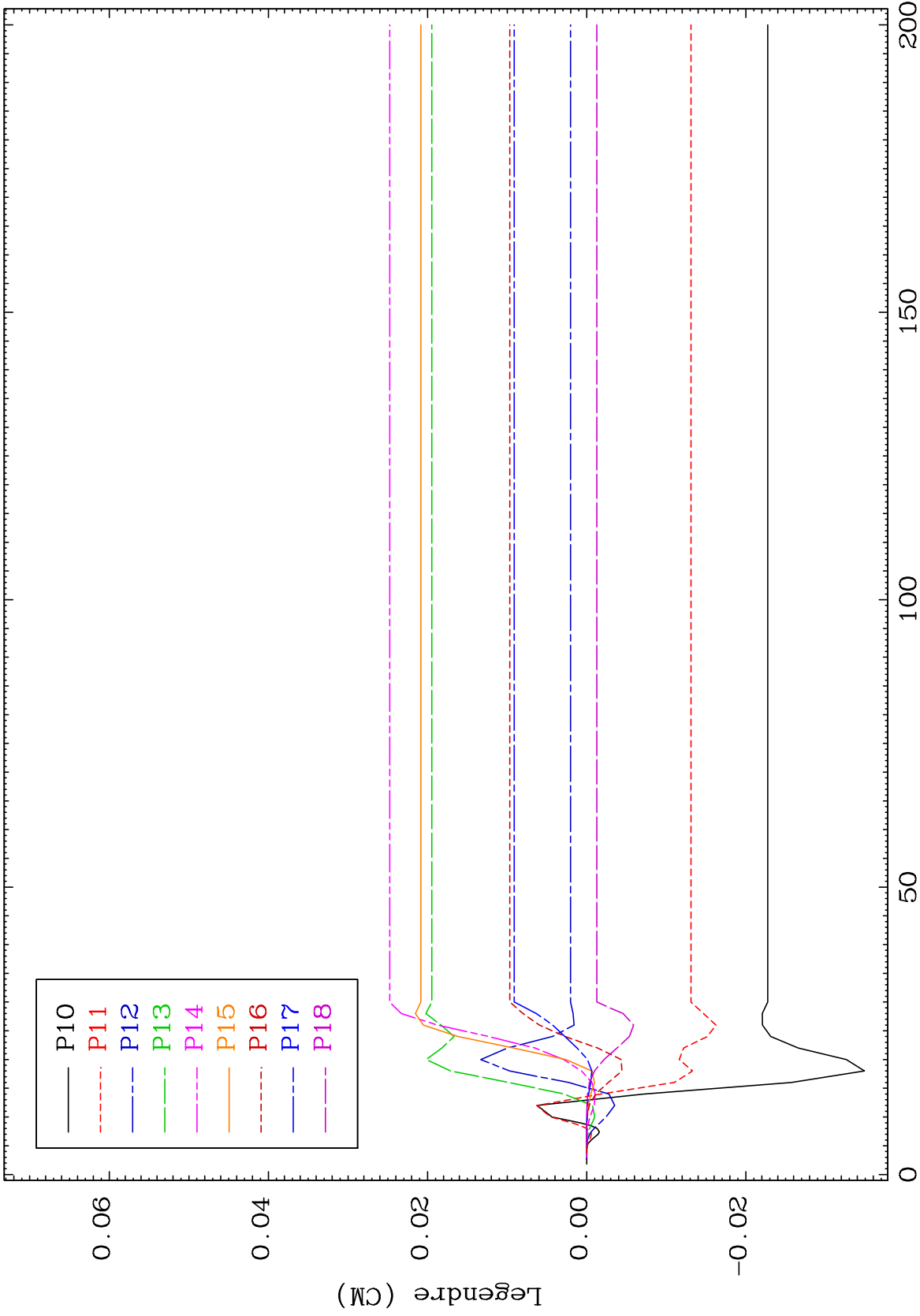
70-Yb-176



MAT 7049

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

70-Yb-176



104

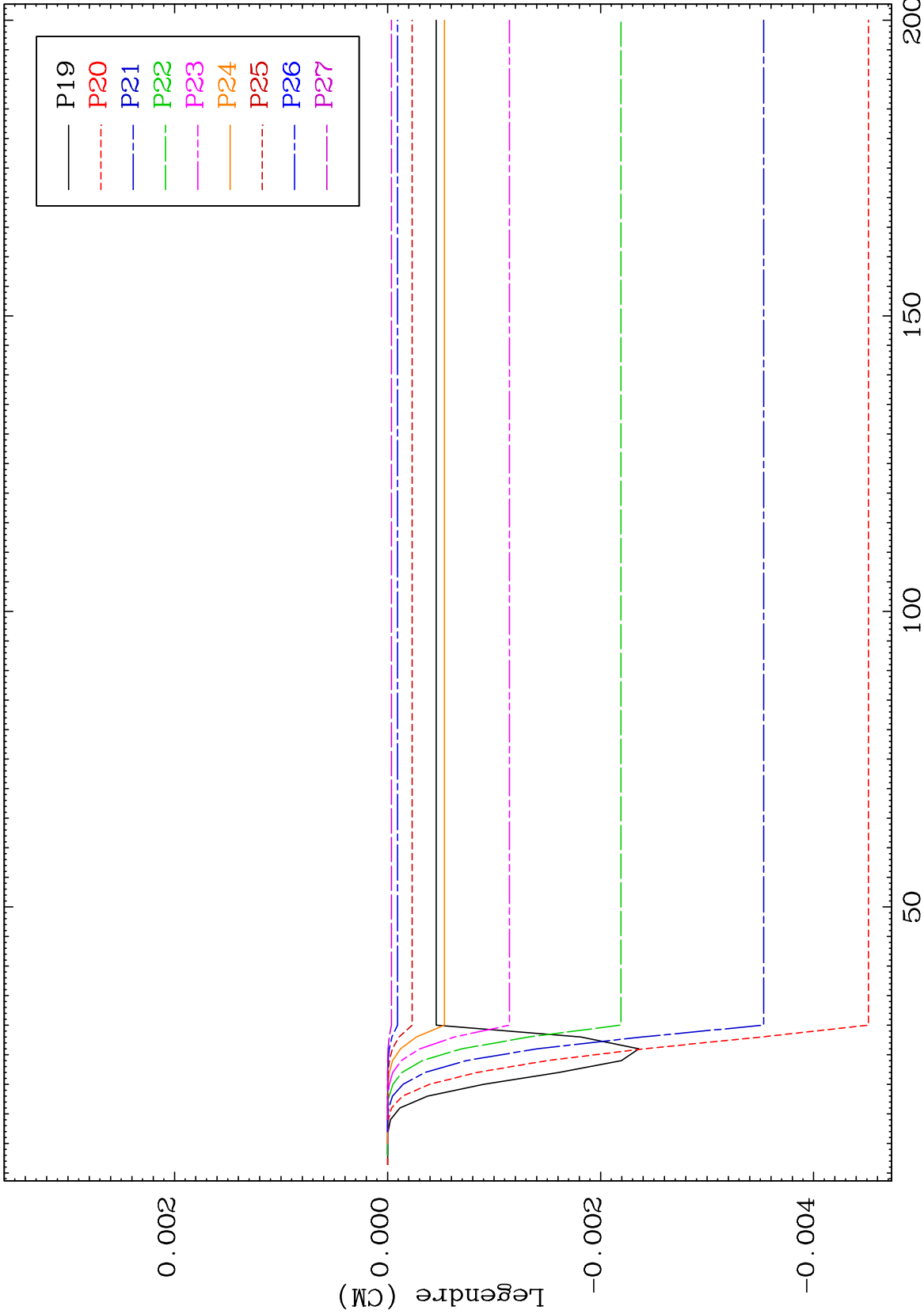
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



105

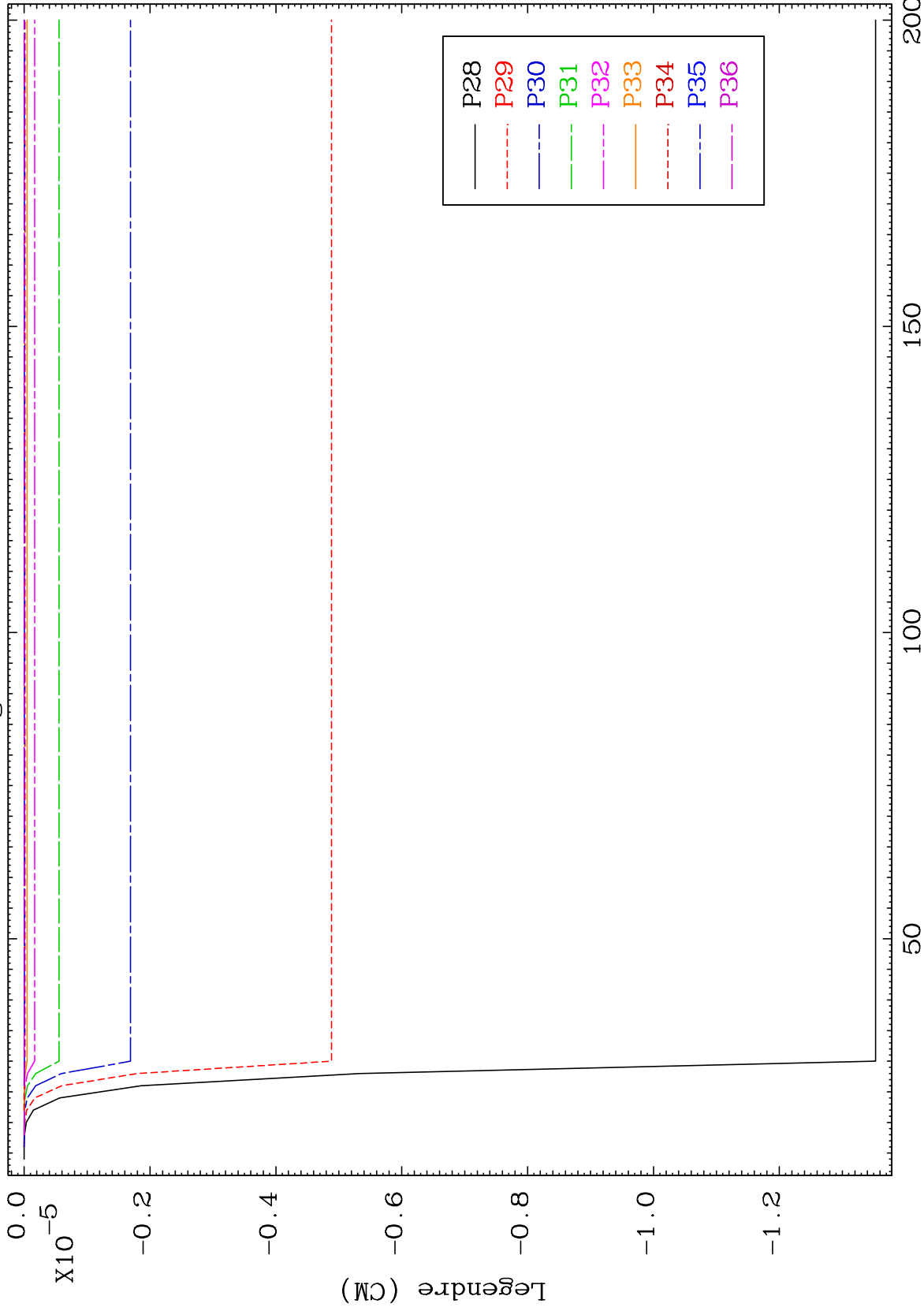
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



106

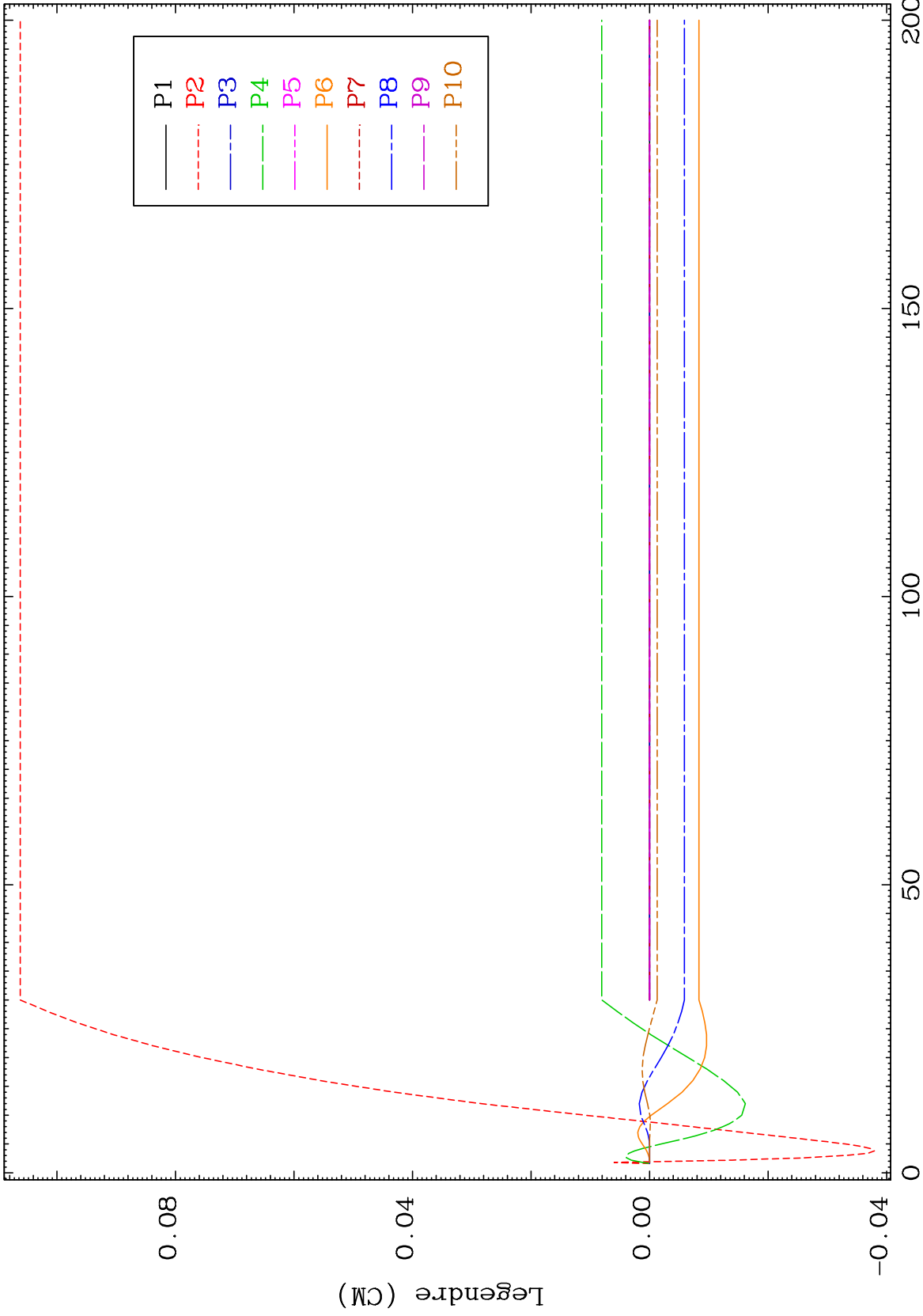
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176

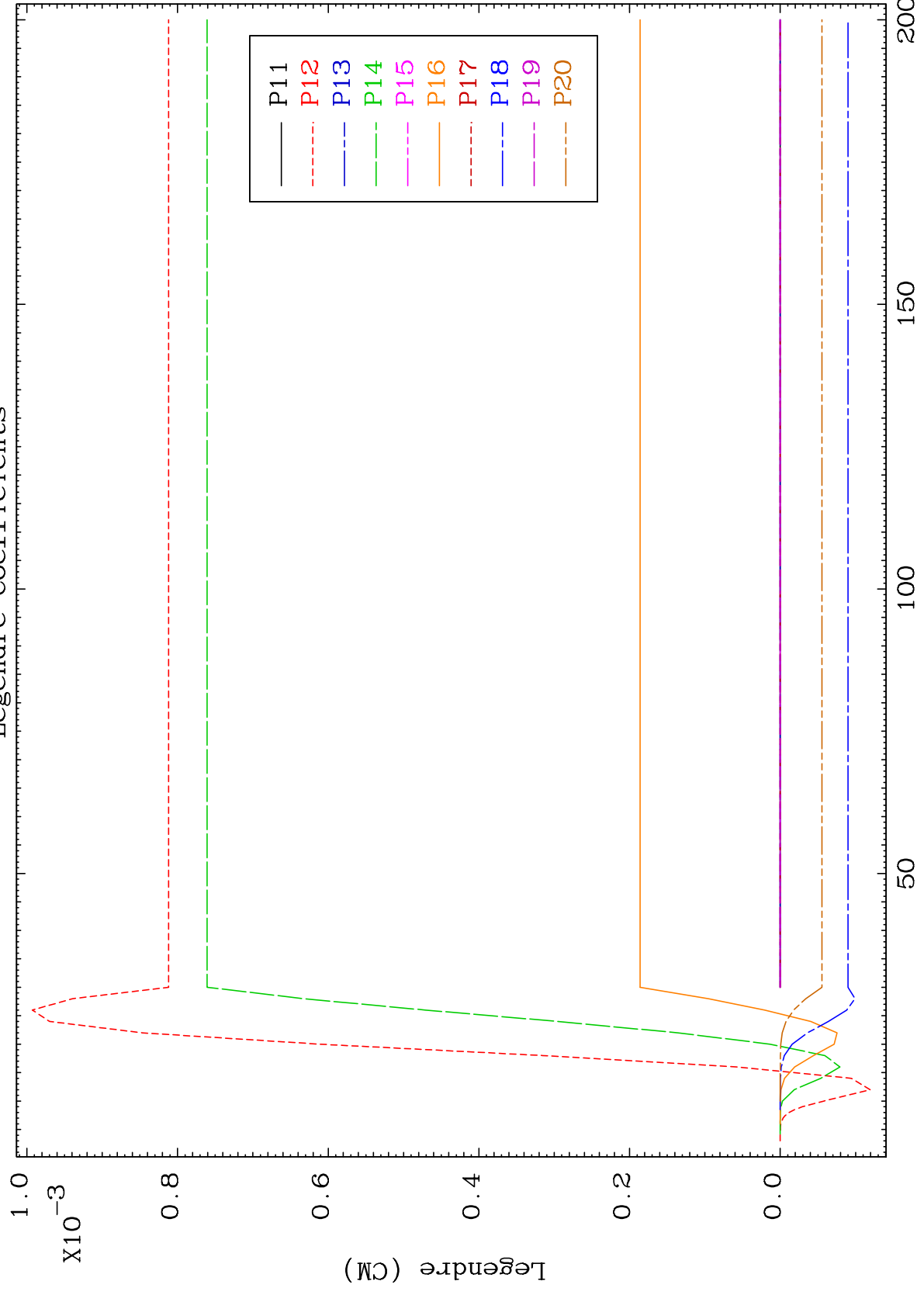


107

Incident Energy (MeV)

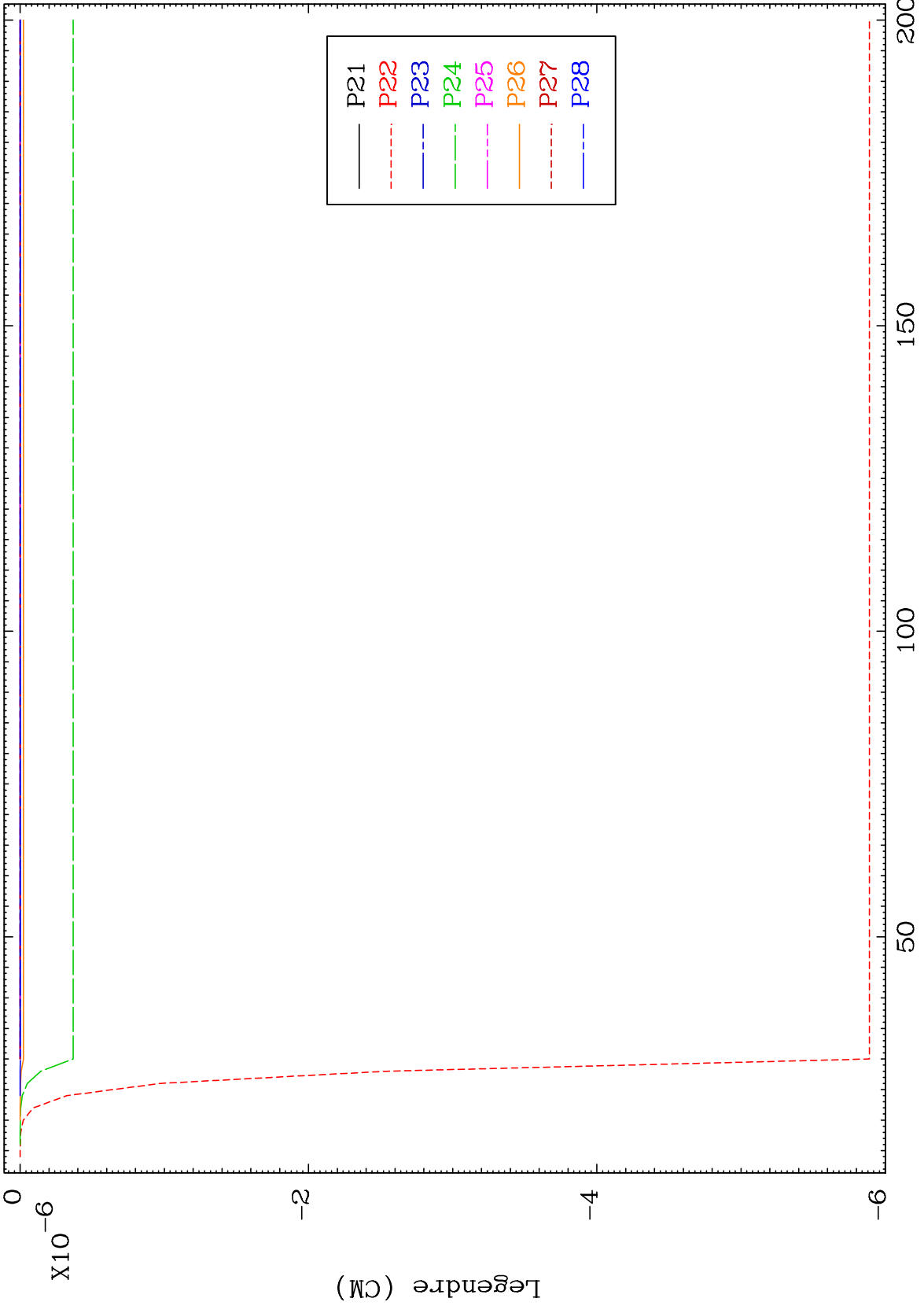
70-Yb-176

MAT 7049 MT= 75 (n,n') Level Legendre Coefficients 70-Yb-176



108 70-Yb-176

MAT 7049 MT= 75 (n,n') Level Legendre Coefficients 70-Yb-176

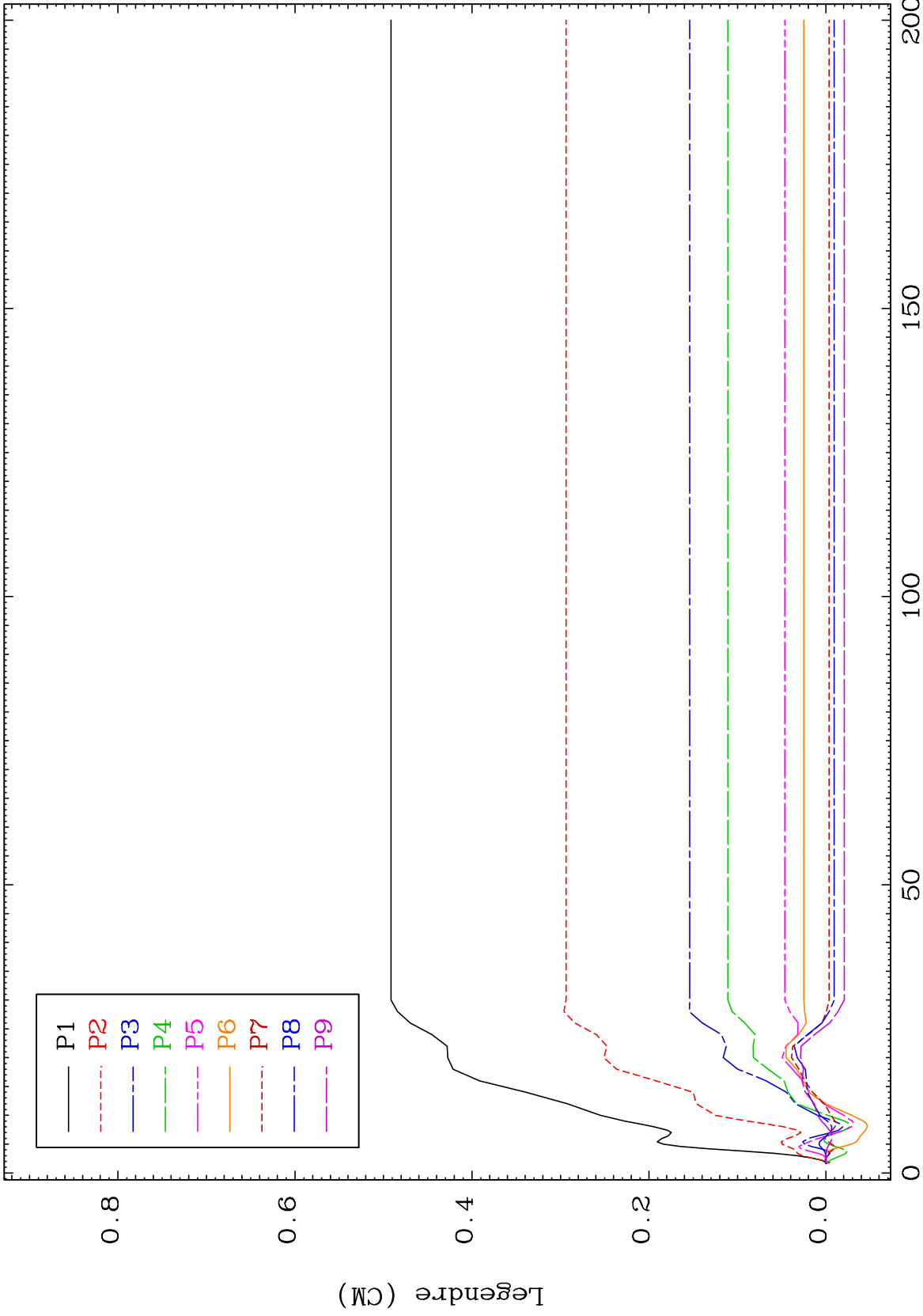


109 70-Yb-176

MAT 7049

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

70-Yb-176

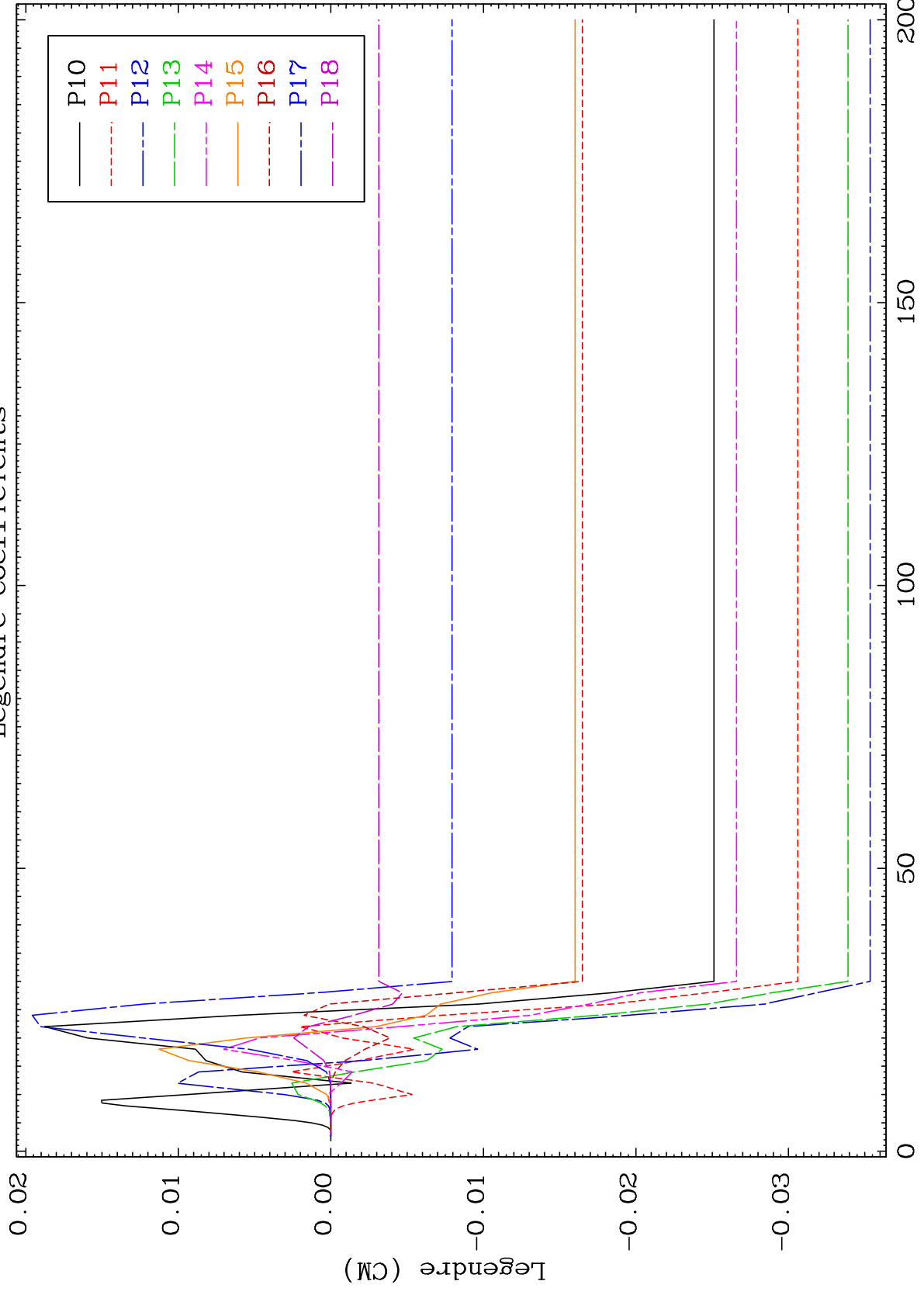


110

Incident Energy (MeV)

70-Yb-176

MAT 7049 MT= 76 (n,n') Level Legendre Coefficients 70-Yb-176



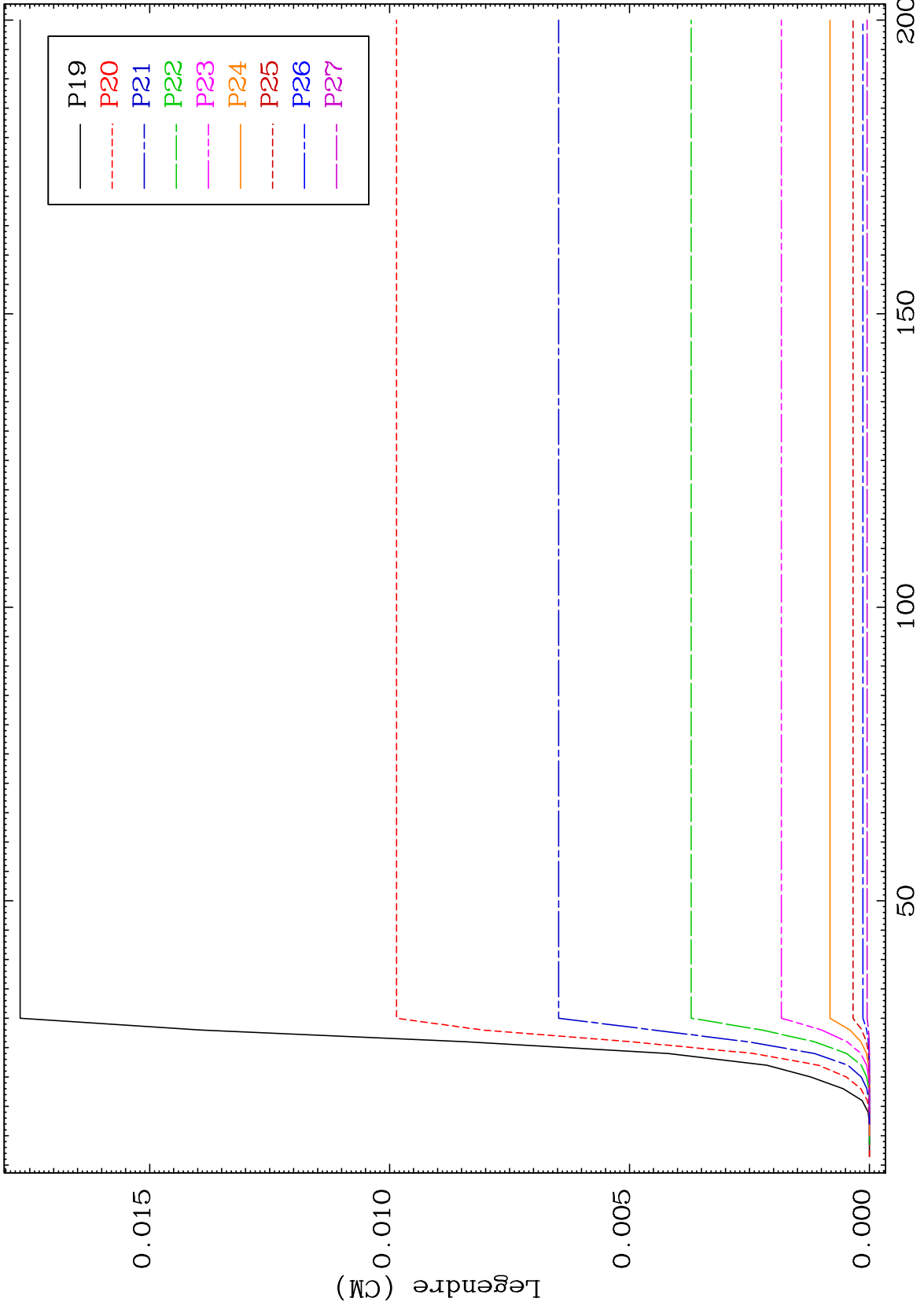
111 70-Yb-176



MAT 7049

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

70-Yb-176



112

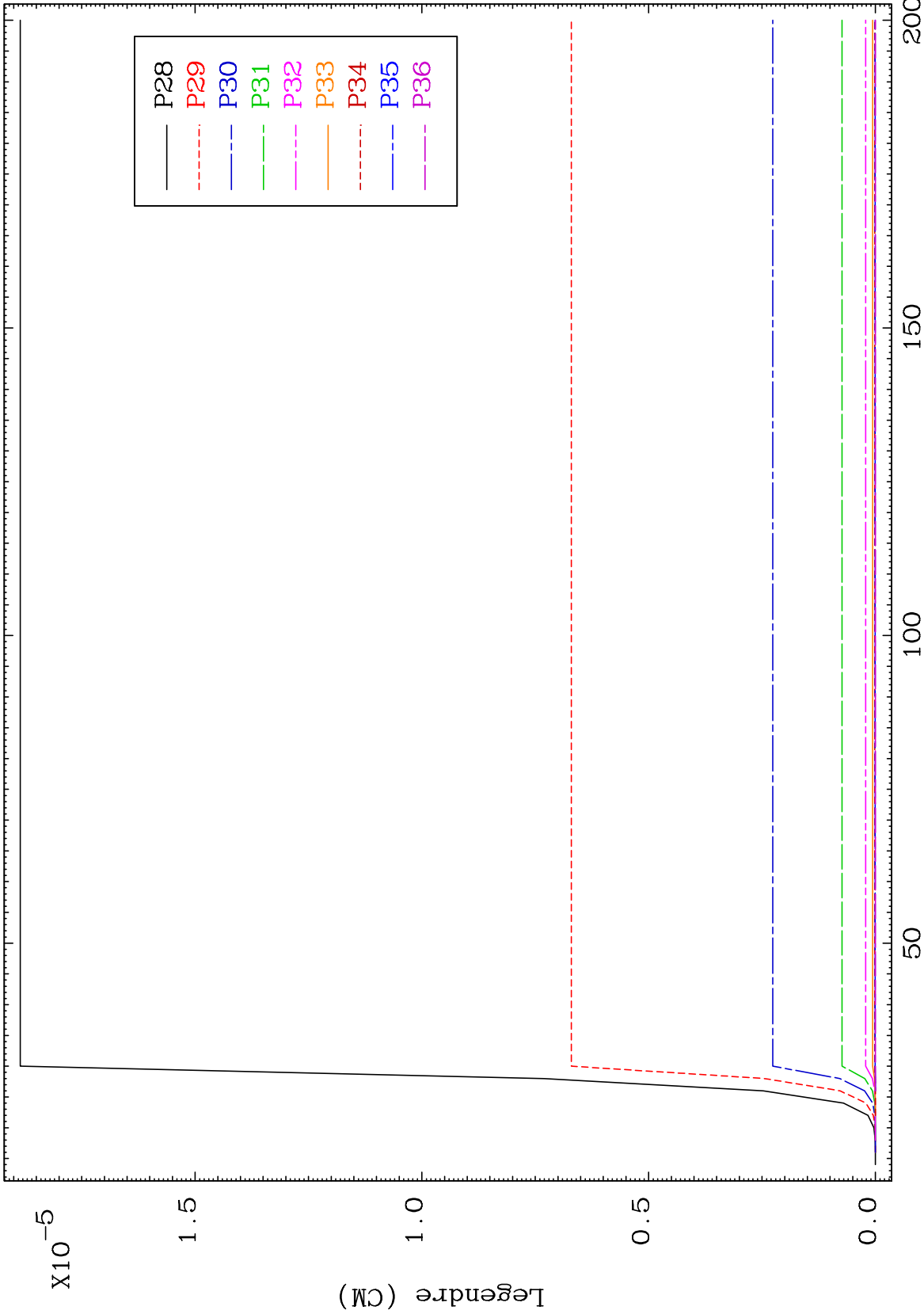
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



113

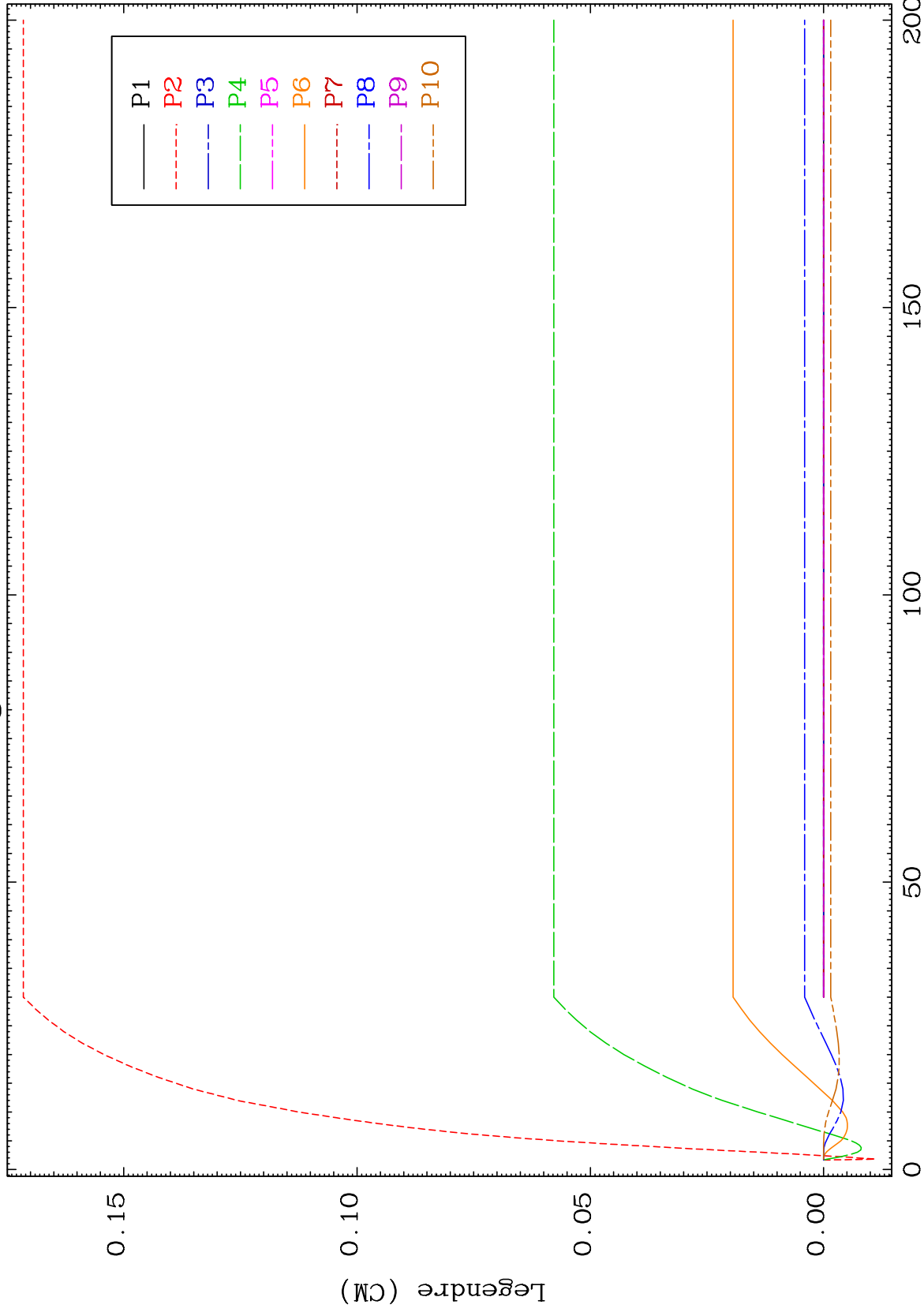
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



114

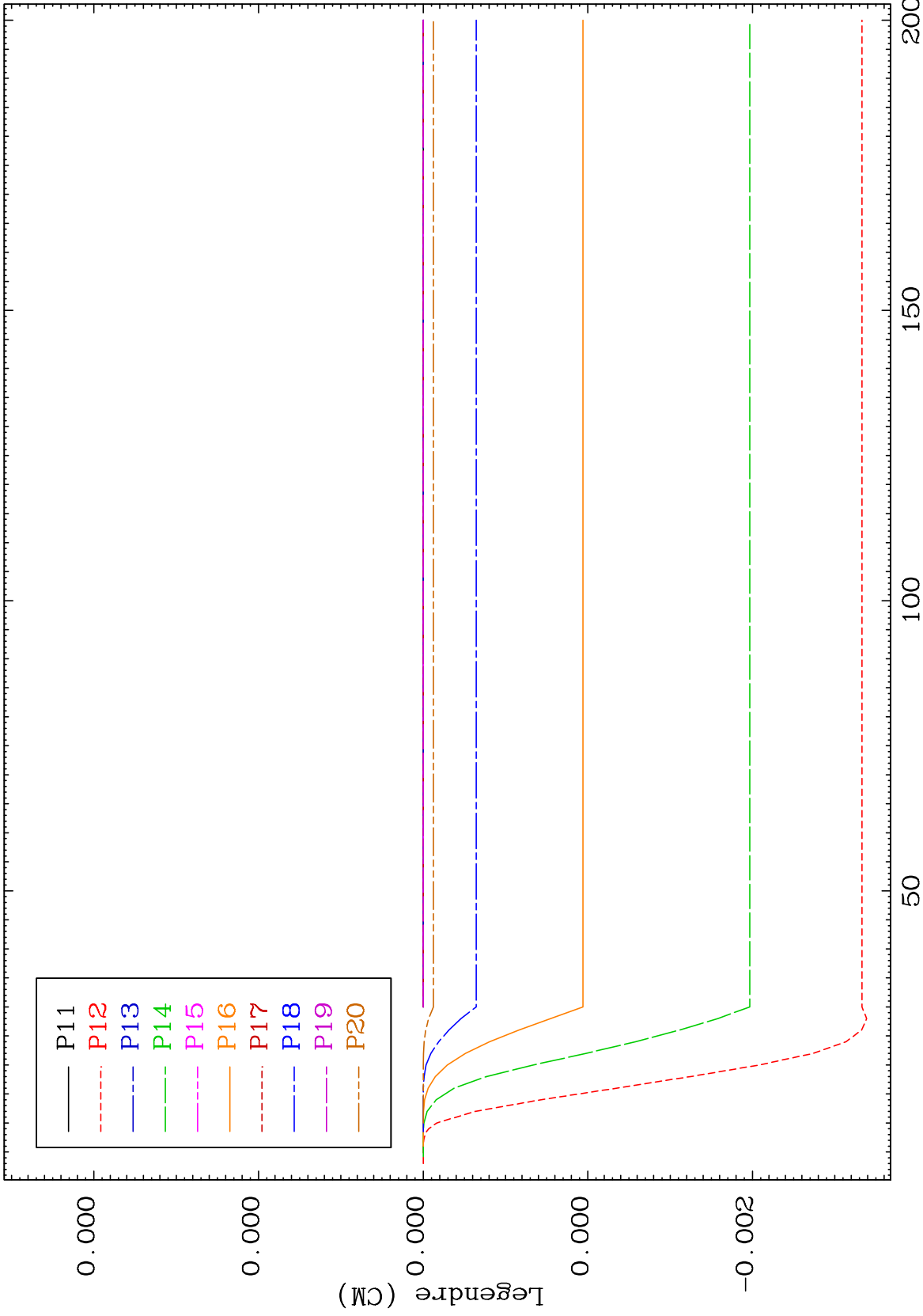
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



115

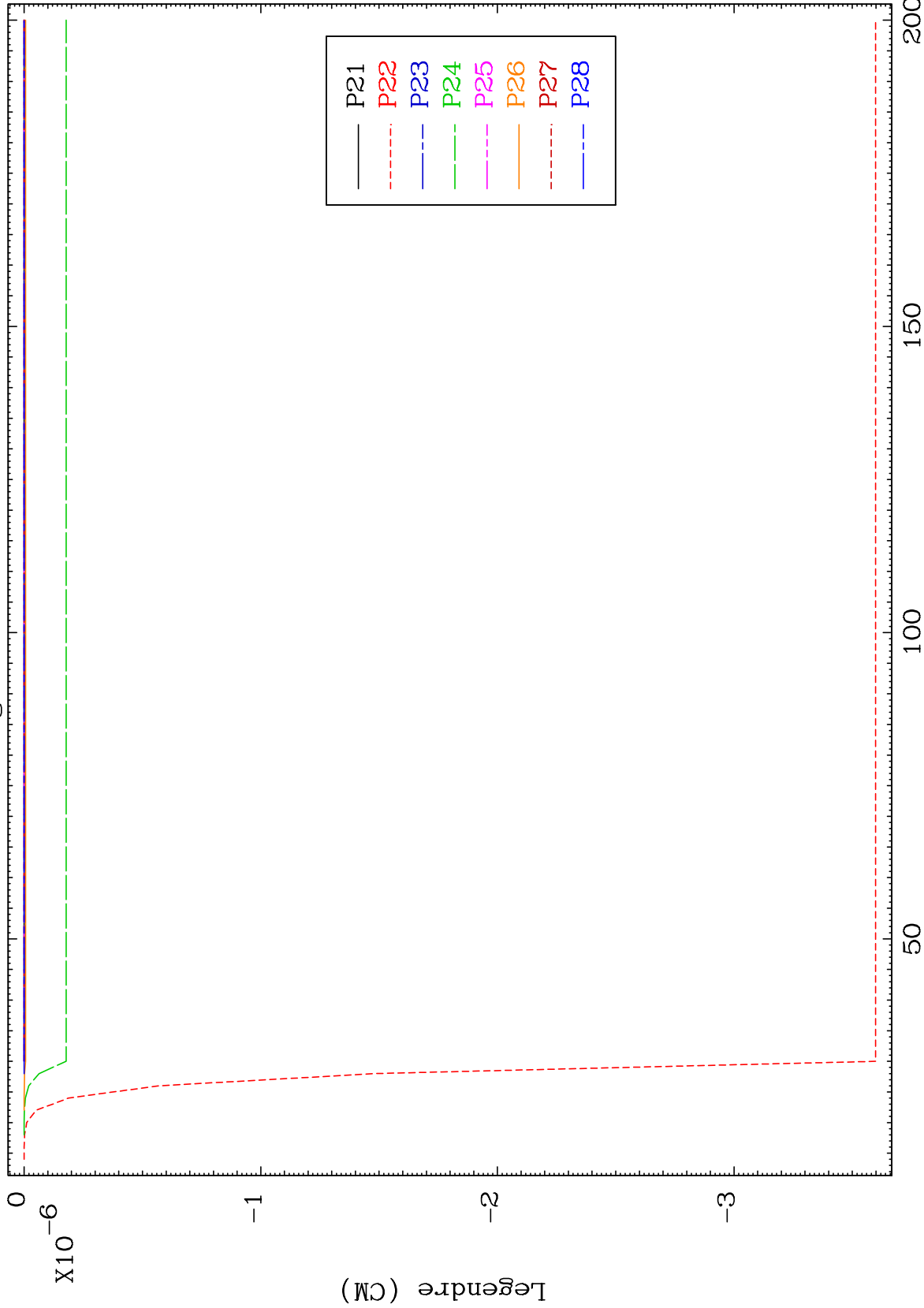
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



116

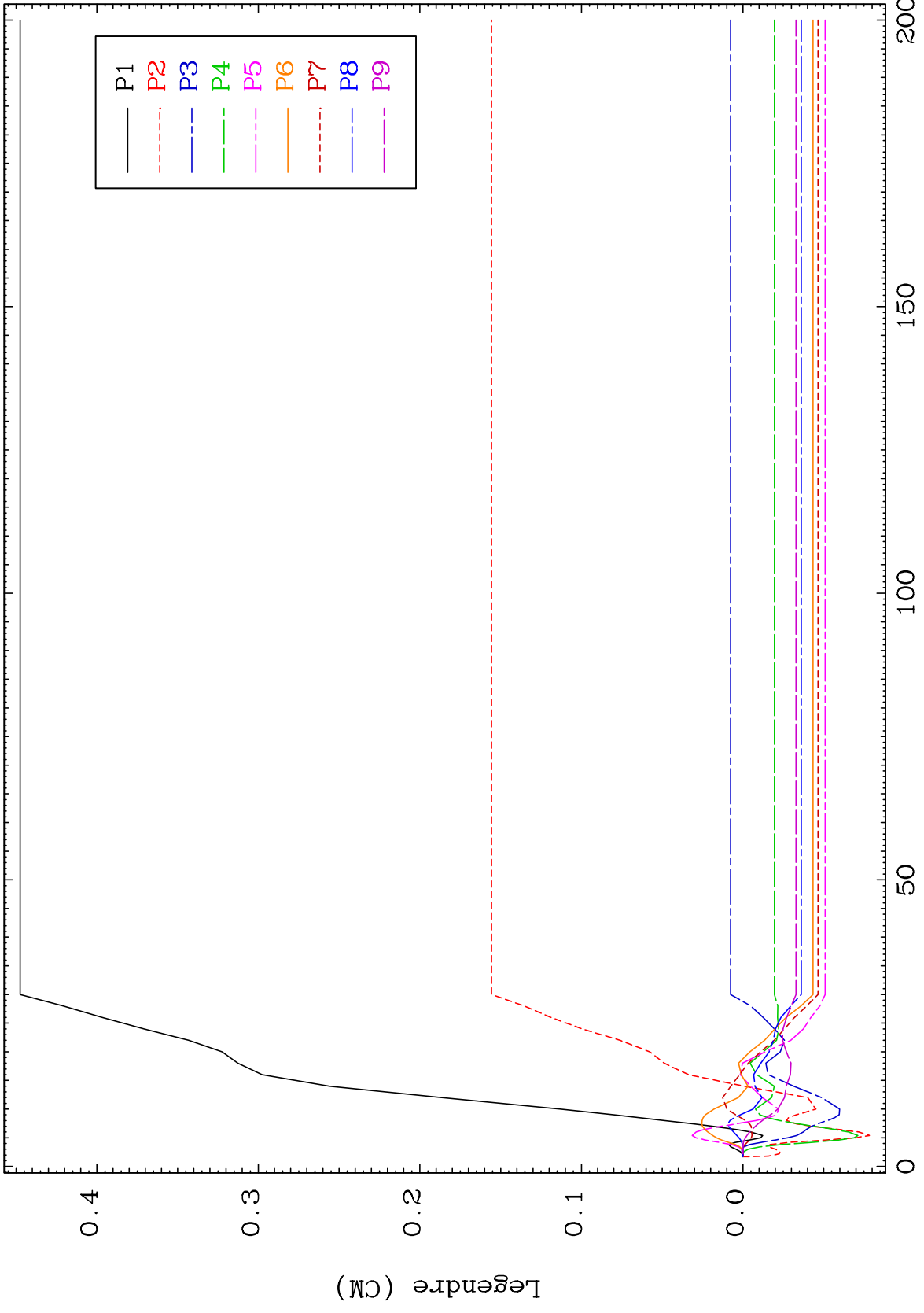
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



117

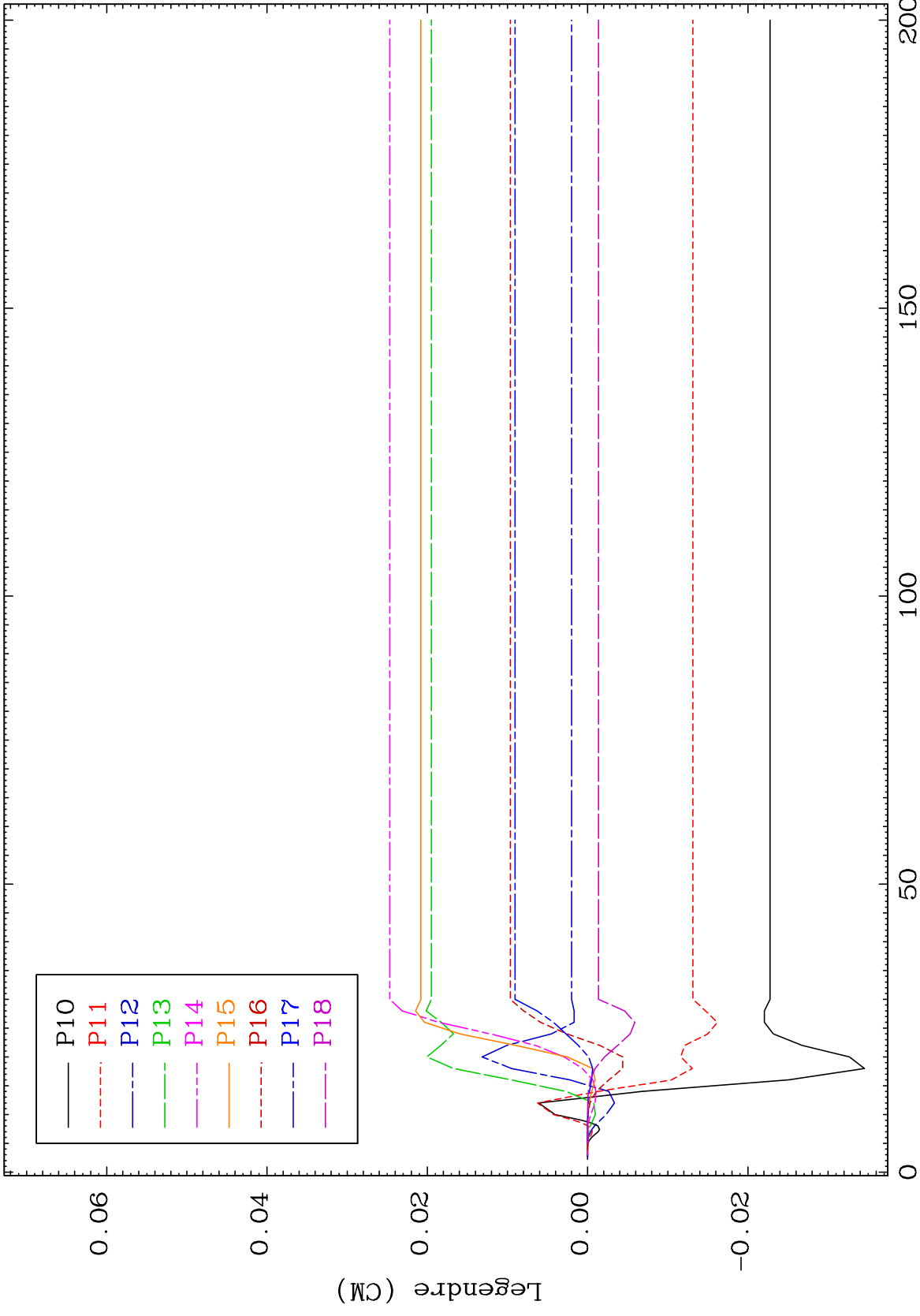
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



118

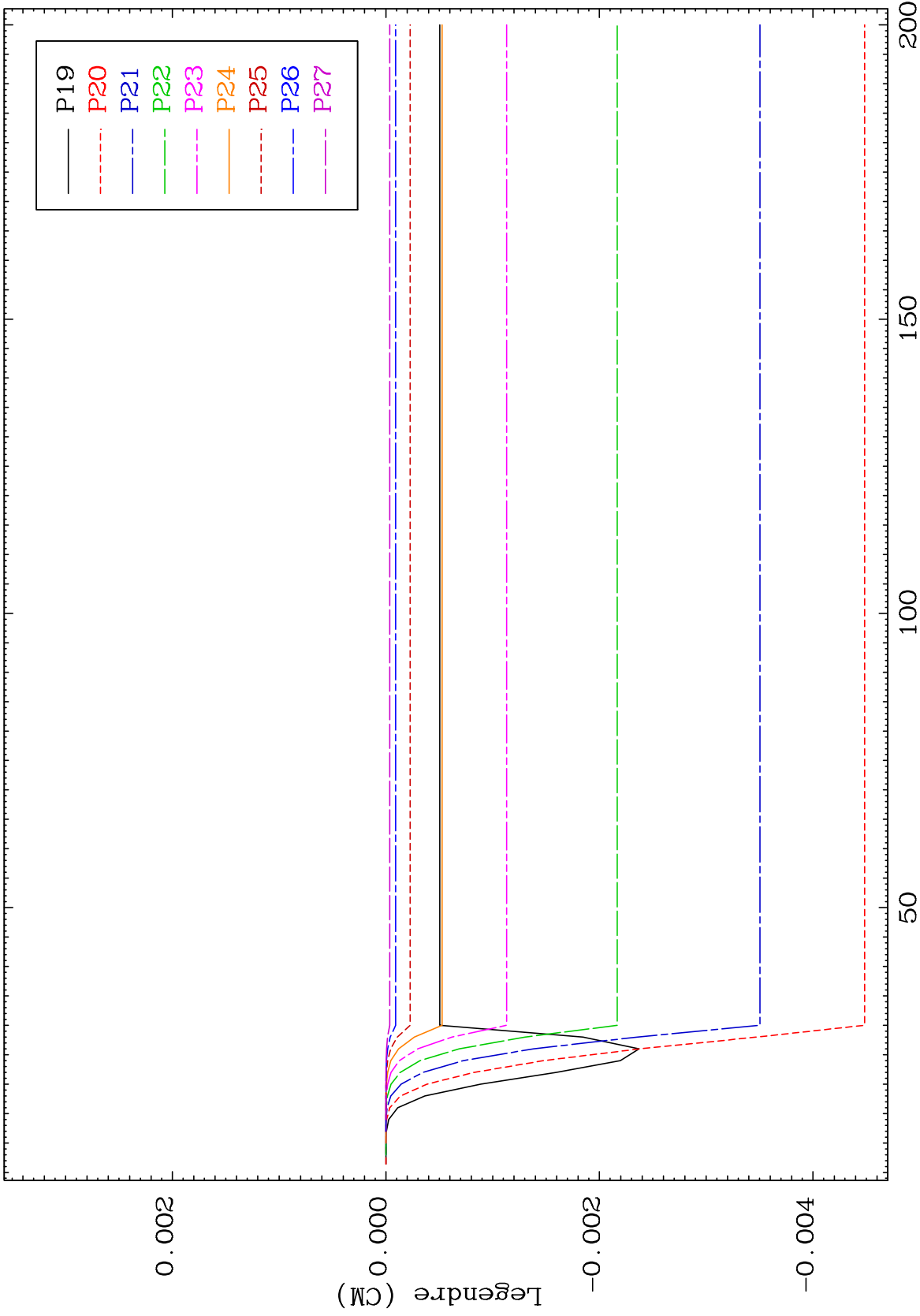
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



119

Incident Energy (MeV)

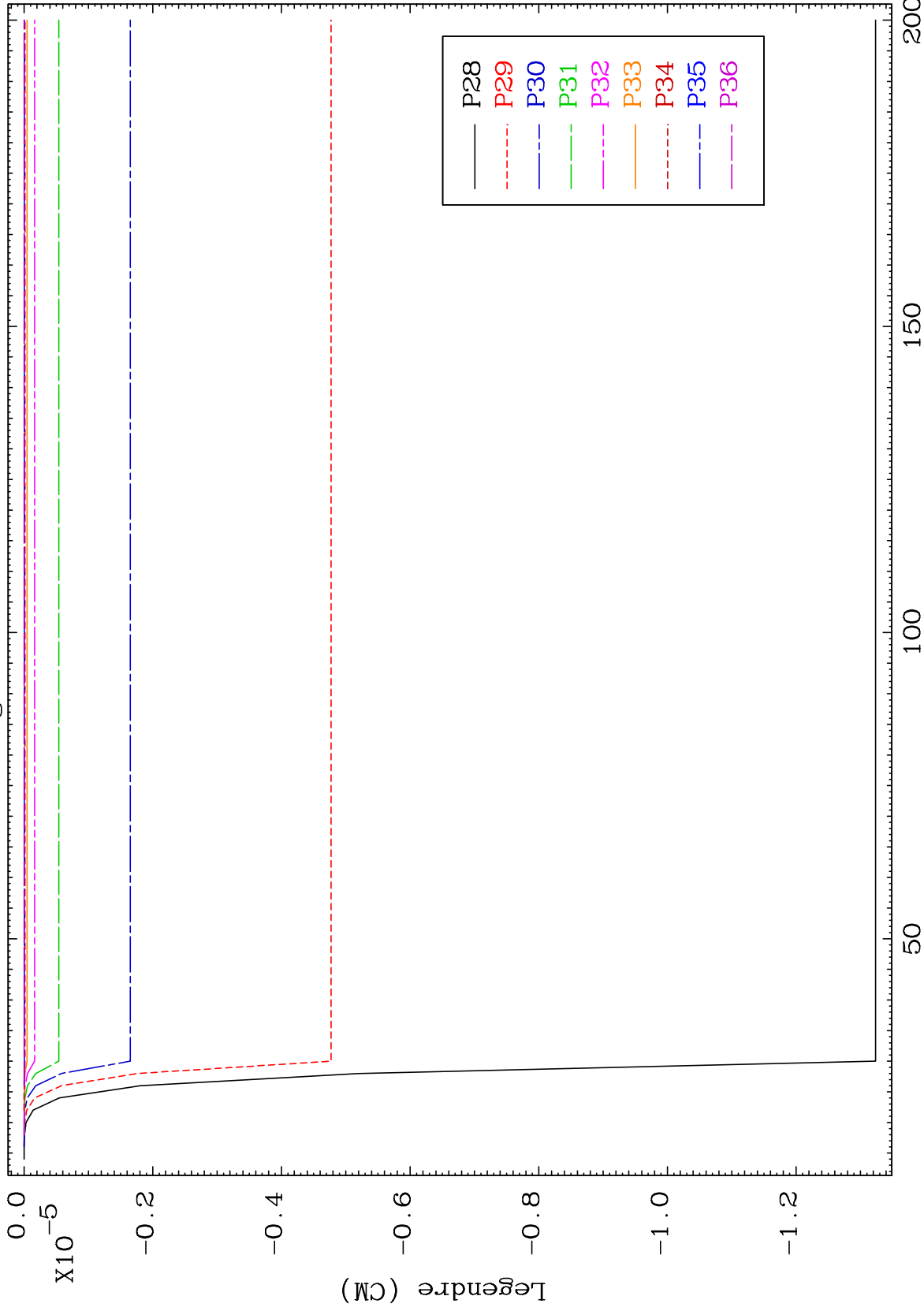
70-Yb-176



MAT 7049

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

70-Yb-176



70-Yb-176

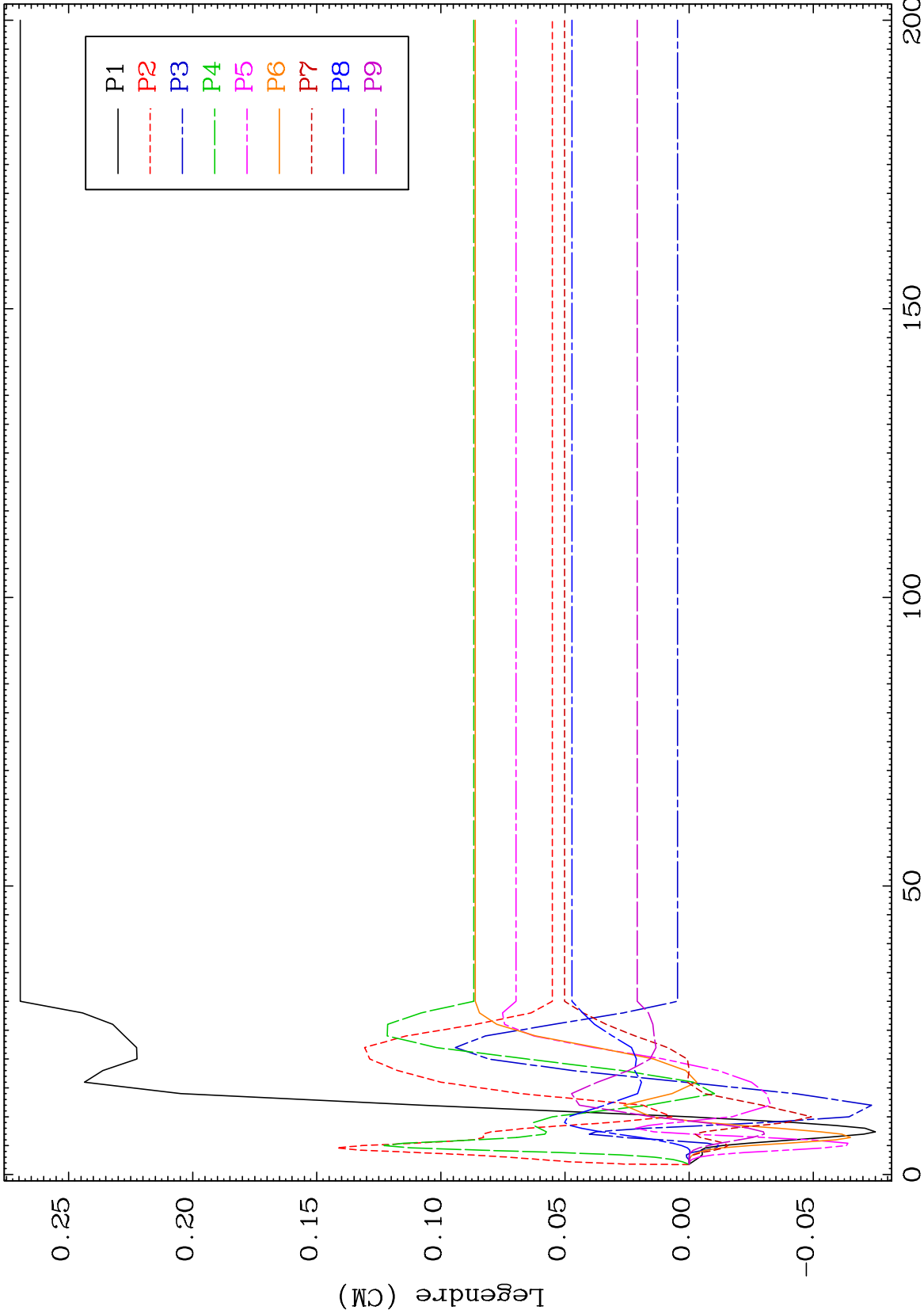
Incident Energy (MeV)

120

MAT 7049

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

70-Yb-176



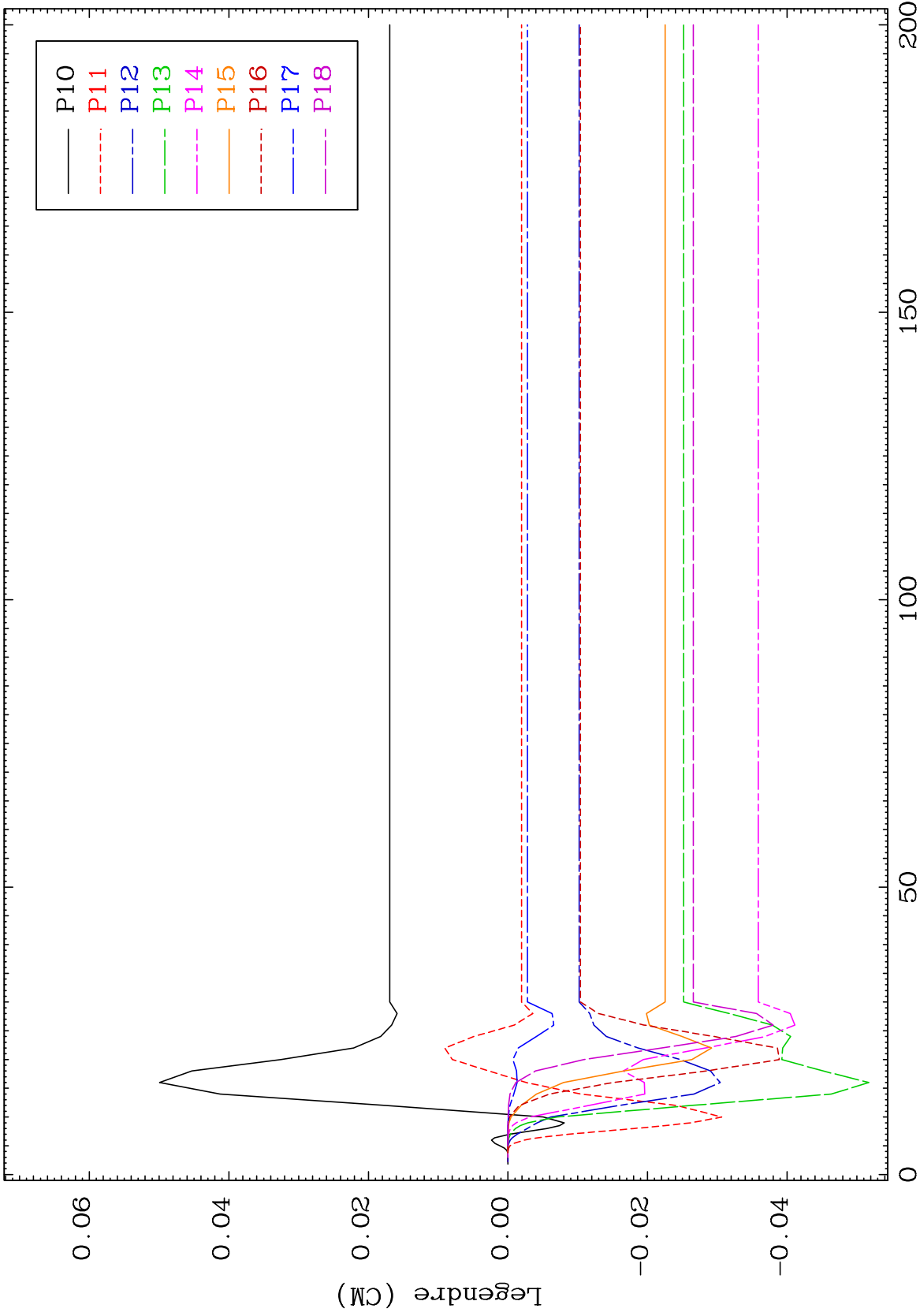
121

70-Yb-176

MAT 7049

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

70-Yb-176



122

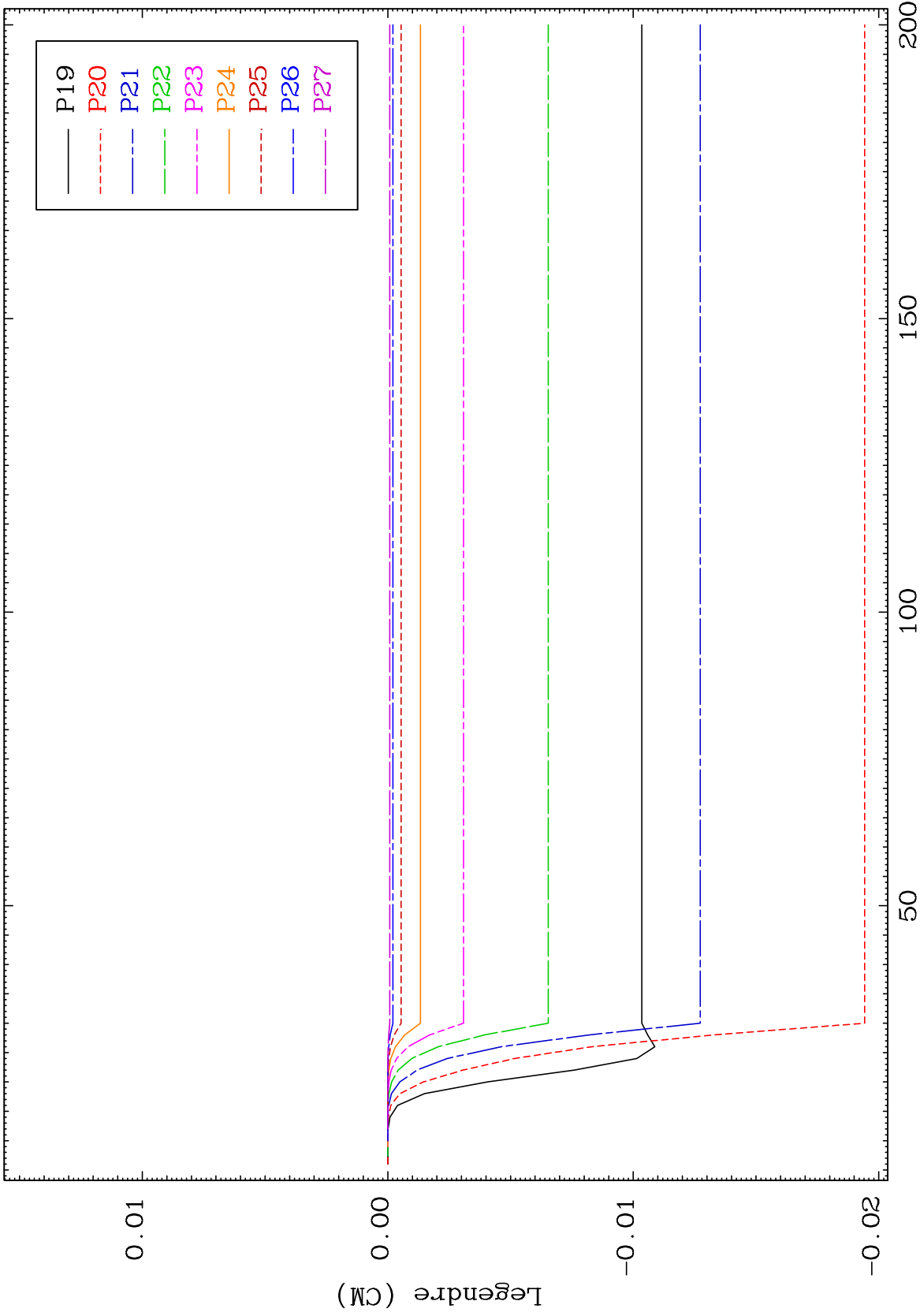
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176

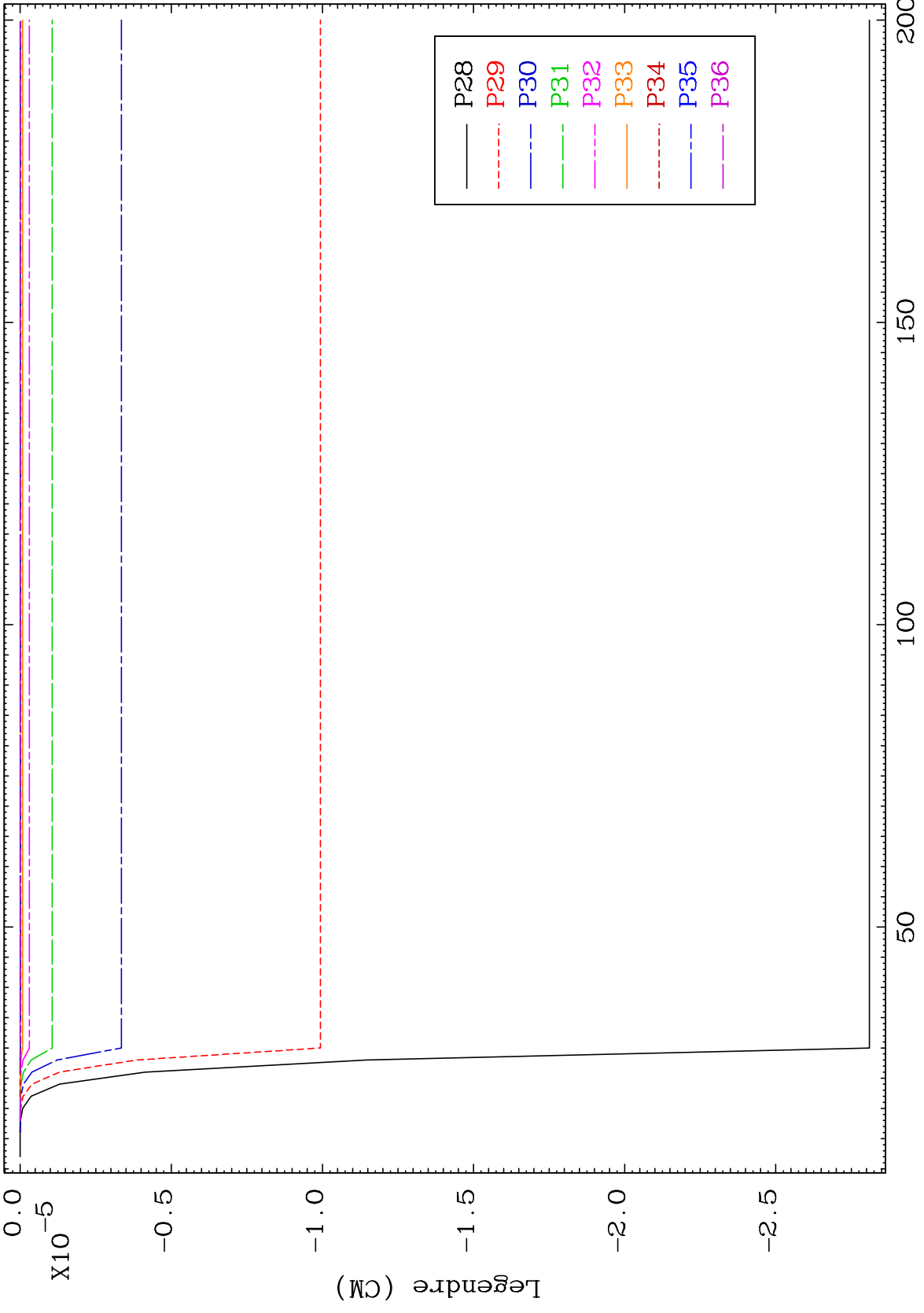


123

Incident Energy (MeV)

70-Yb-176

MAT 7049 MT= 79 (n,n') Level Legendre Coefficients 70-Yb-176

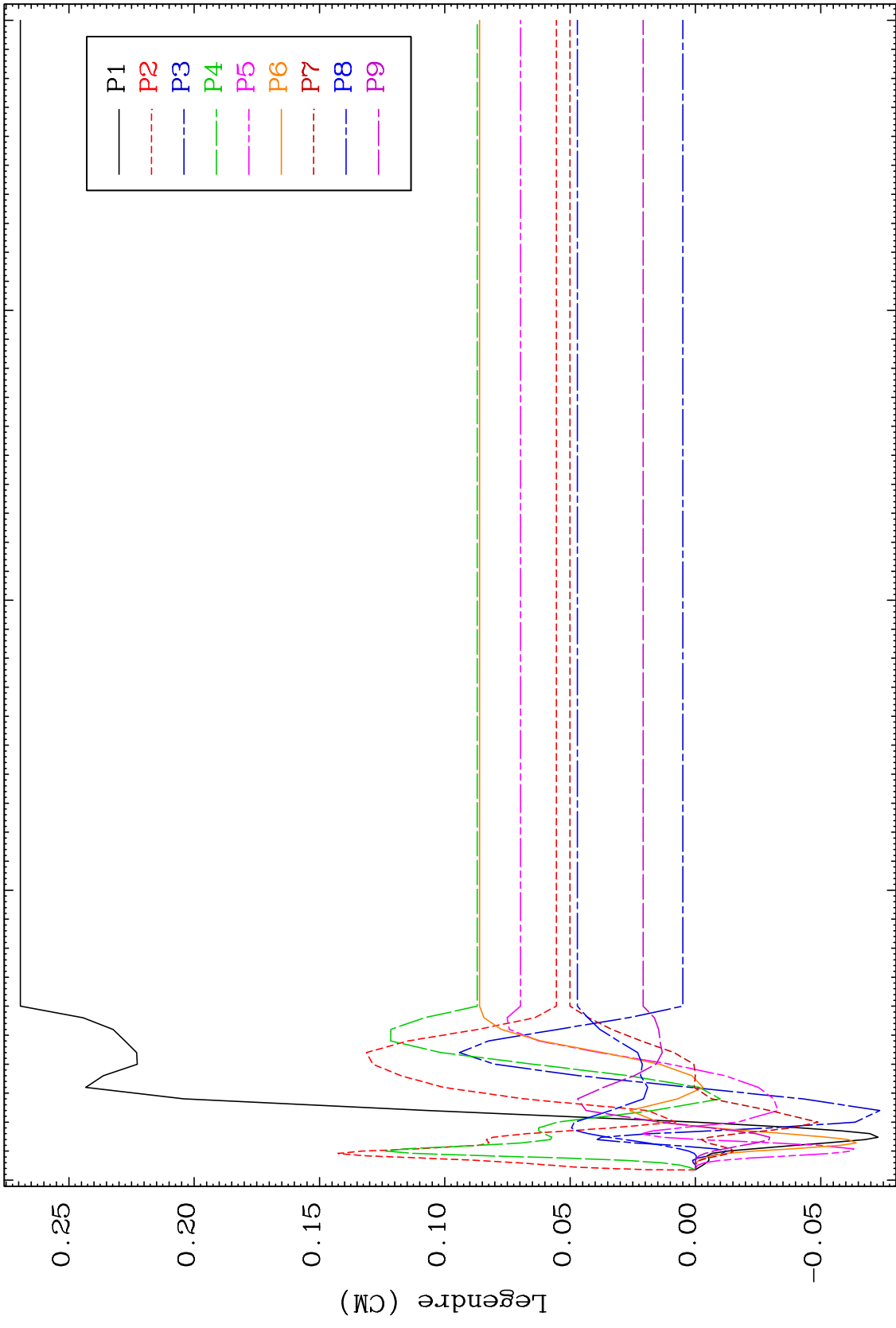


124 70-Yb-176

MAT 7049

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

70-Yb-176



70-Yb-176

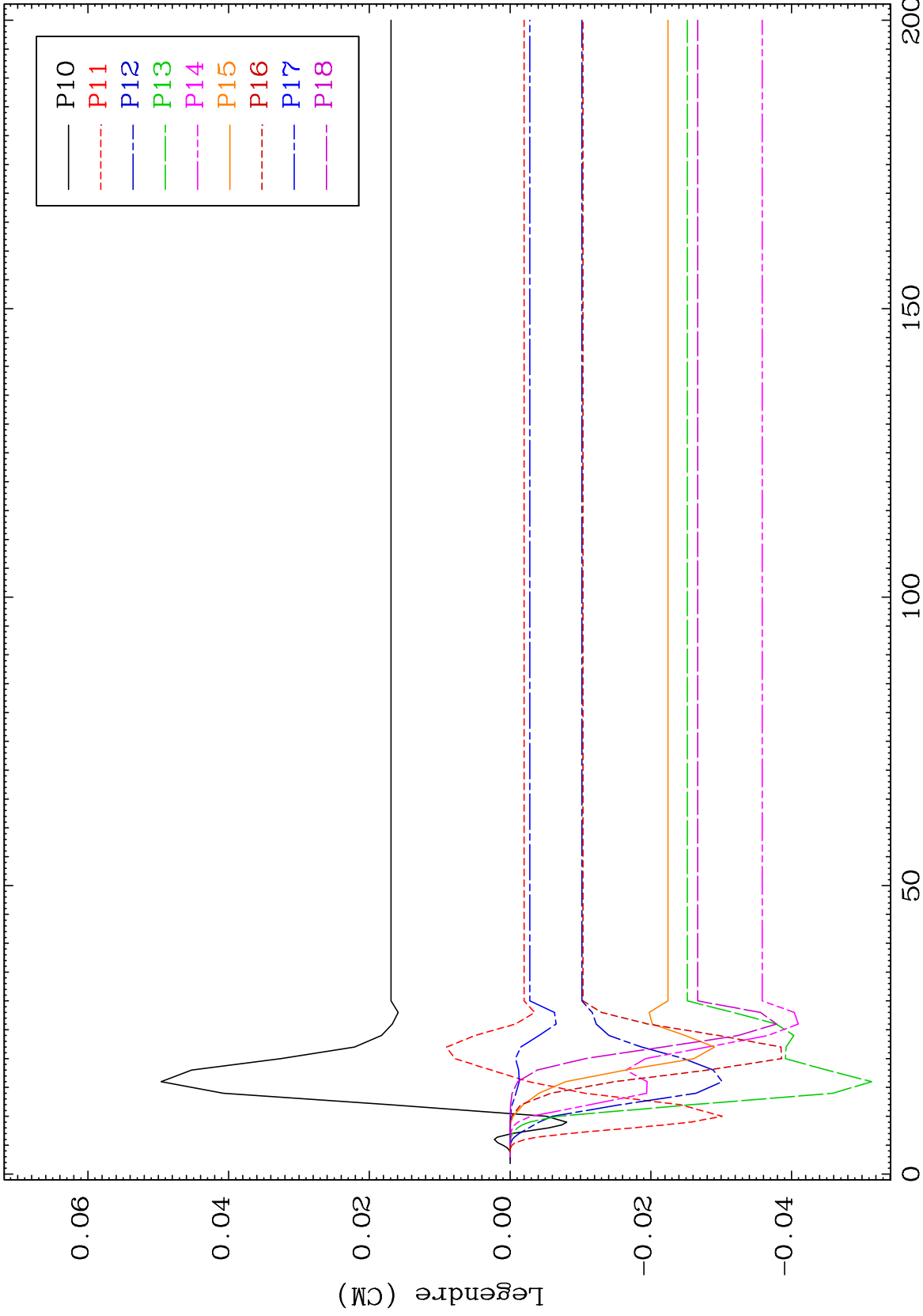
Incident Energy (MeV)

125

MAT 7049

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

70-Yb-176



126

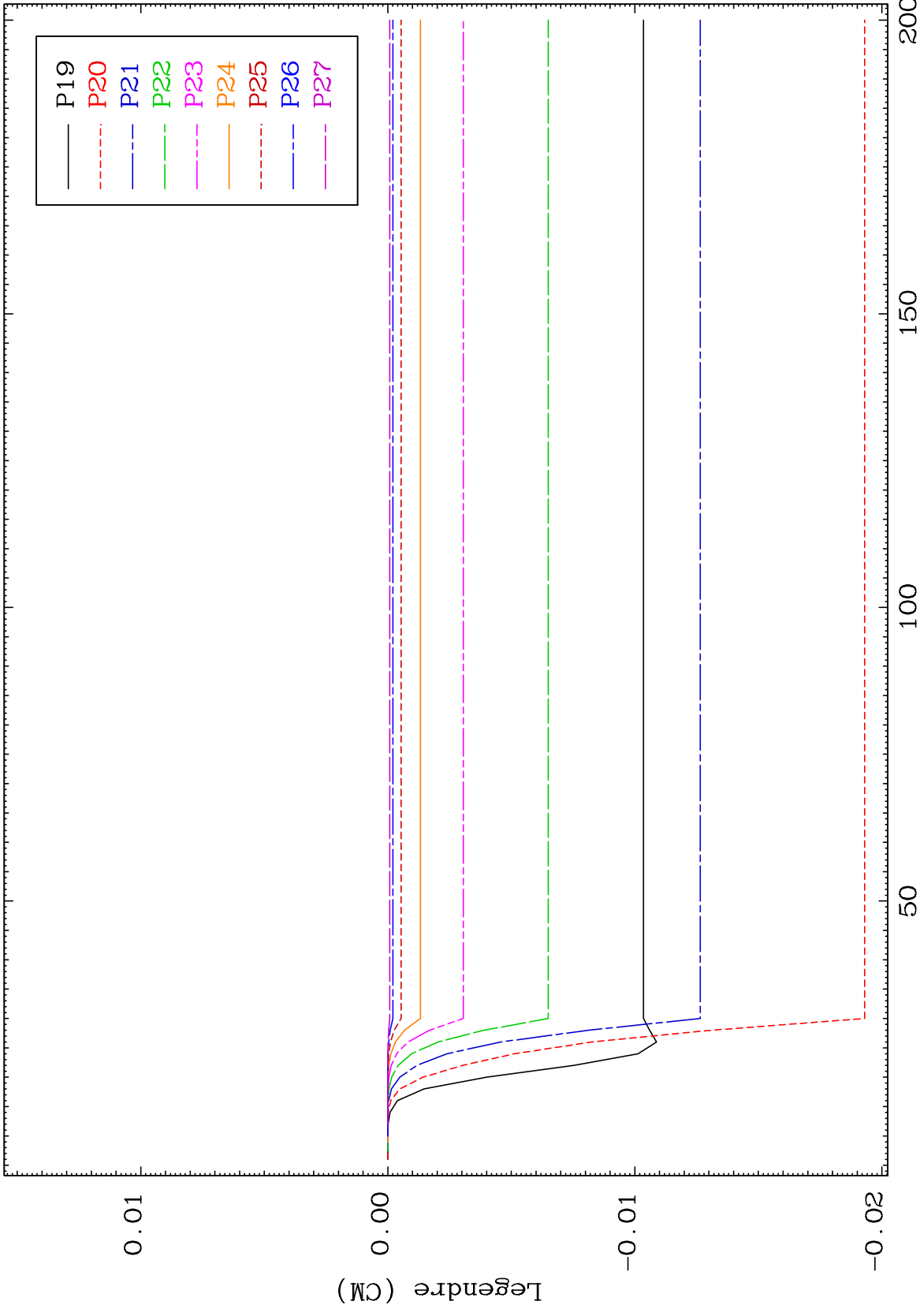
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



127

Incident Energy (MeV)

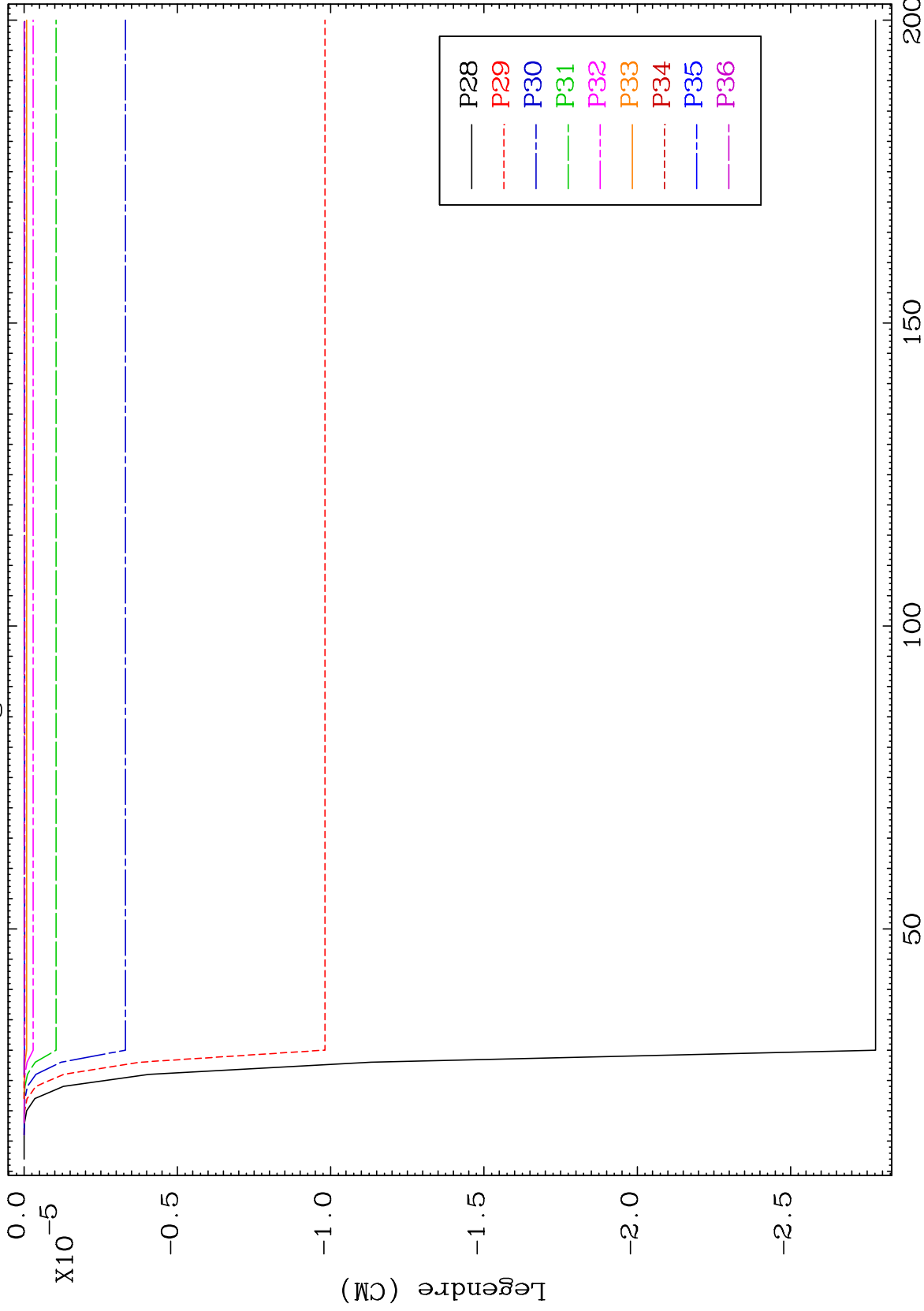
70-Yb-176



MAT 7049

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

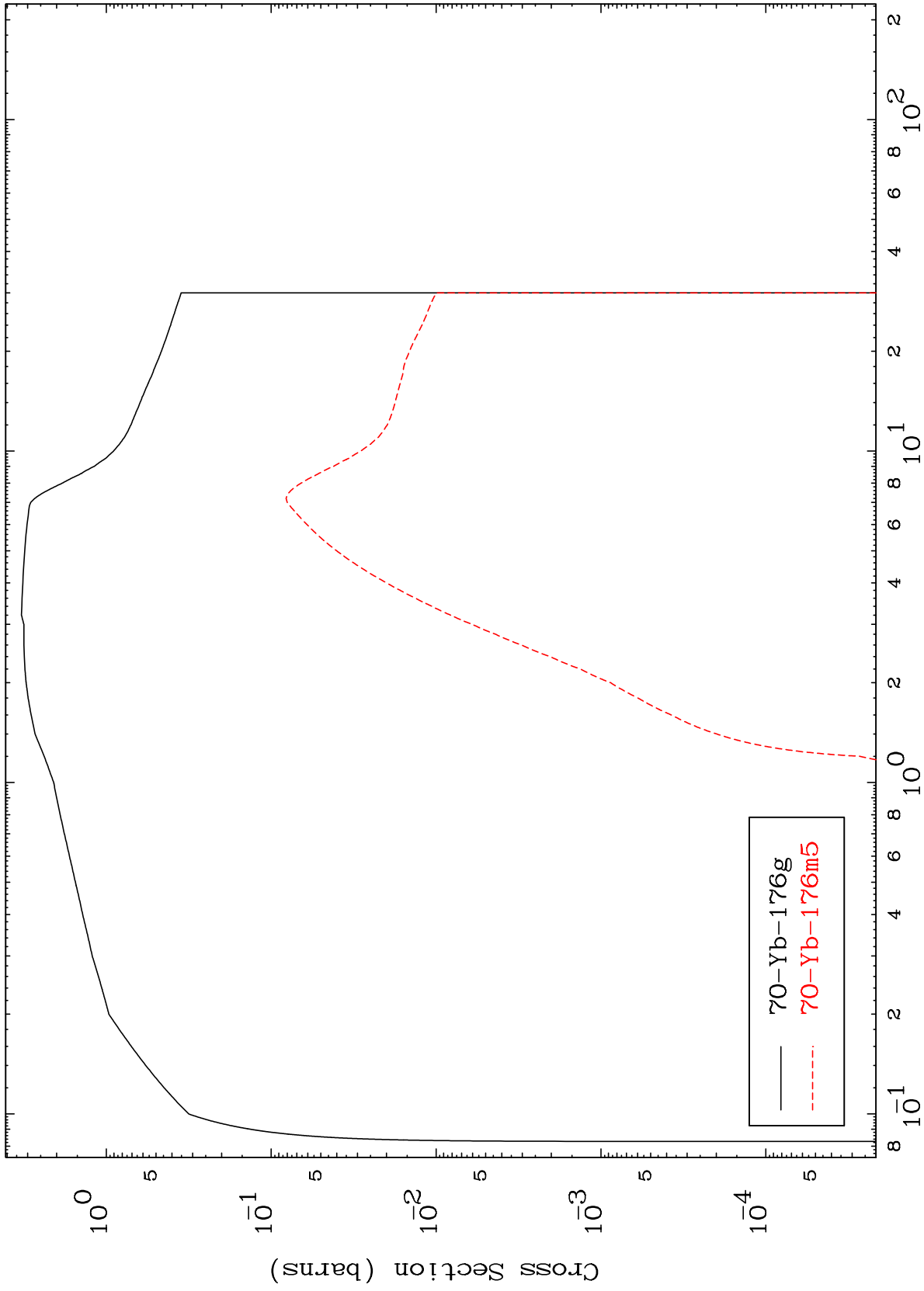
70-Yb-176



MAT 7049

Inelastic  
Radionuclide Production Cross Section

70-Yb-176

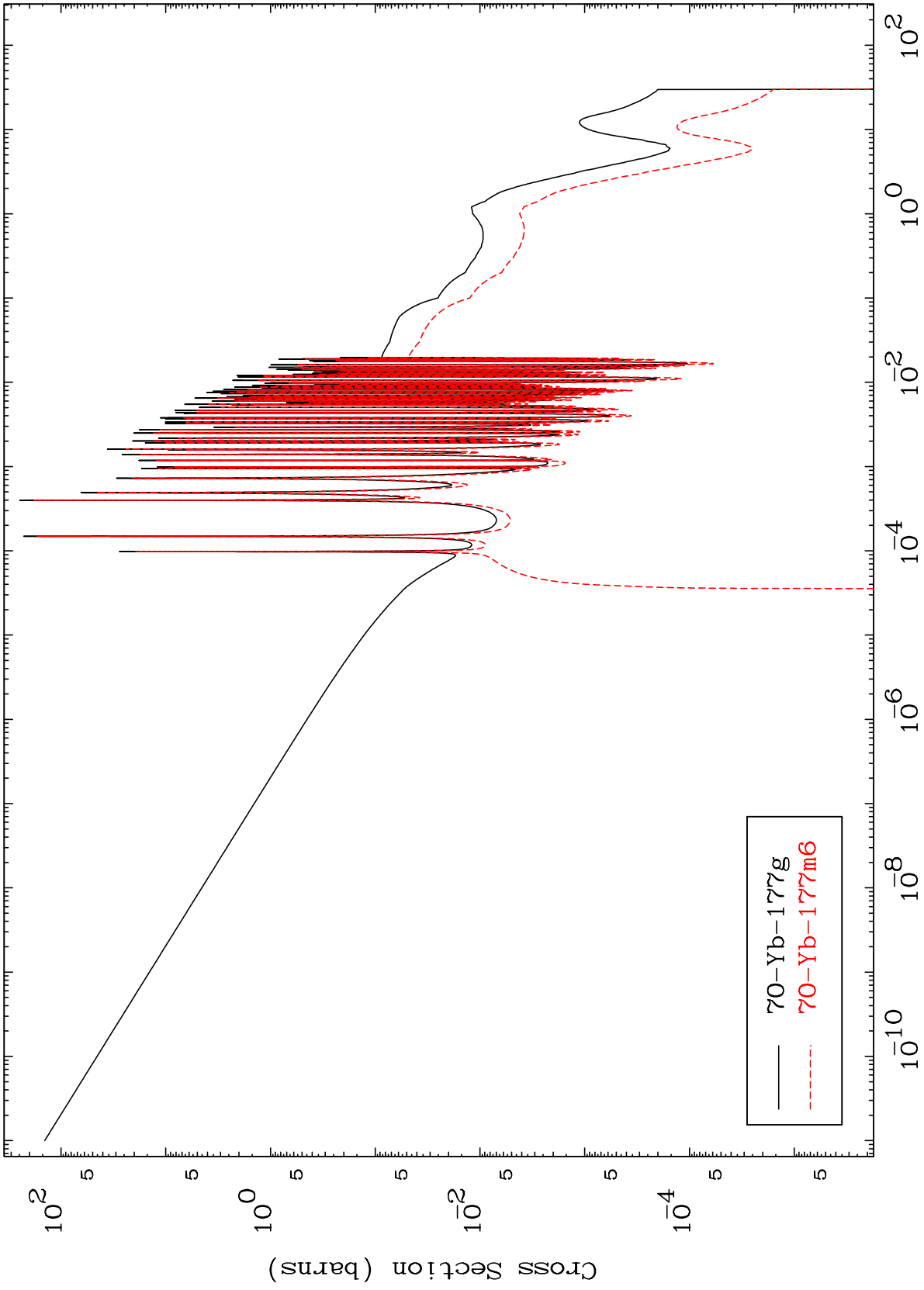


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MAT 7049

70-Yb-176

(n,γ)  
Radionuclide Production Cross Section



130

70-Yb-176