

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

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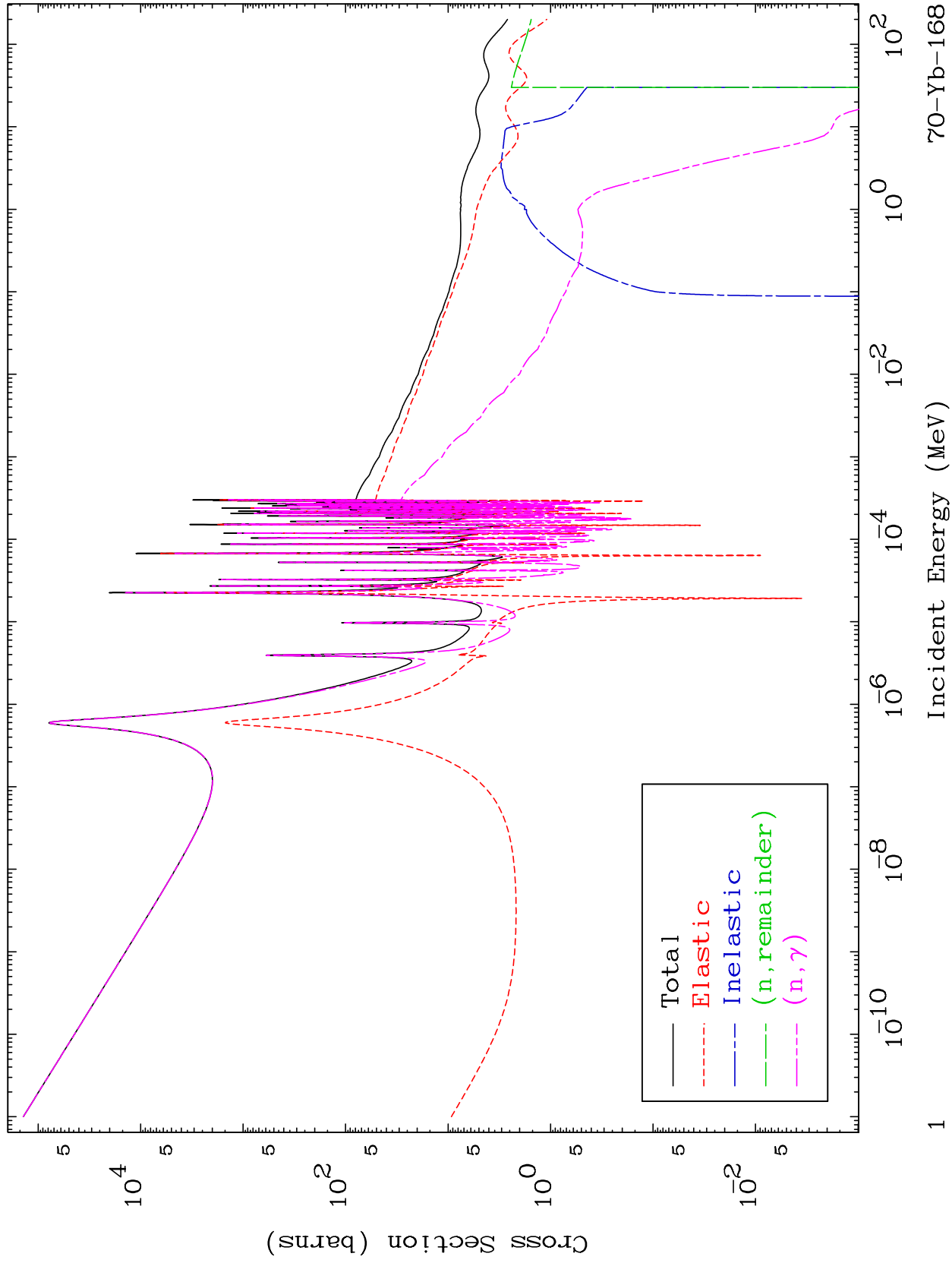
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7025

Major
293 Kelvin Cross Sections

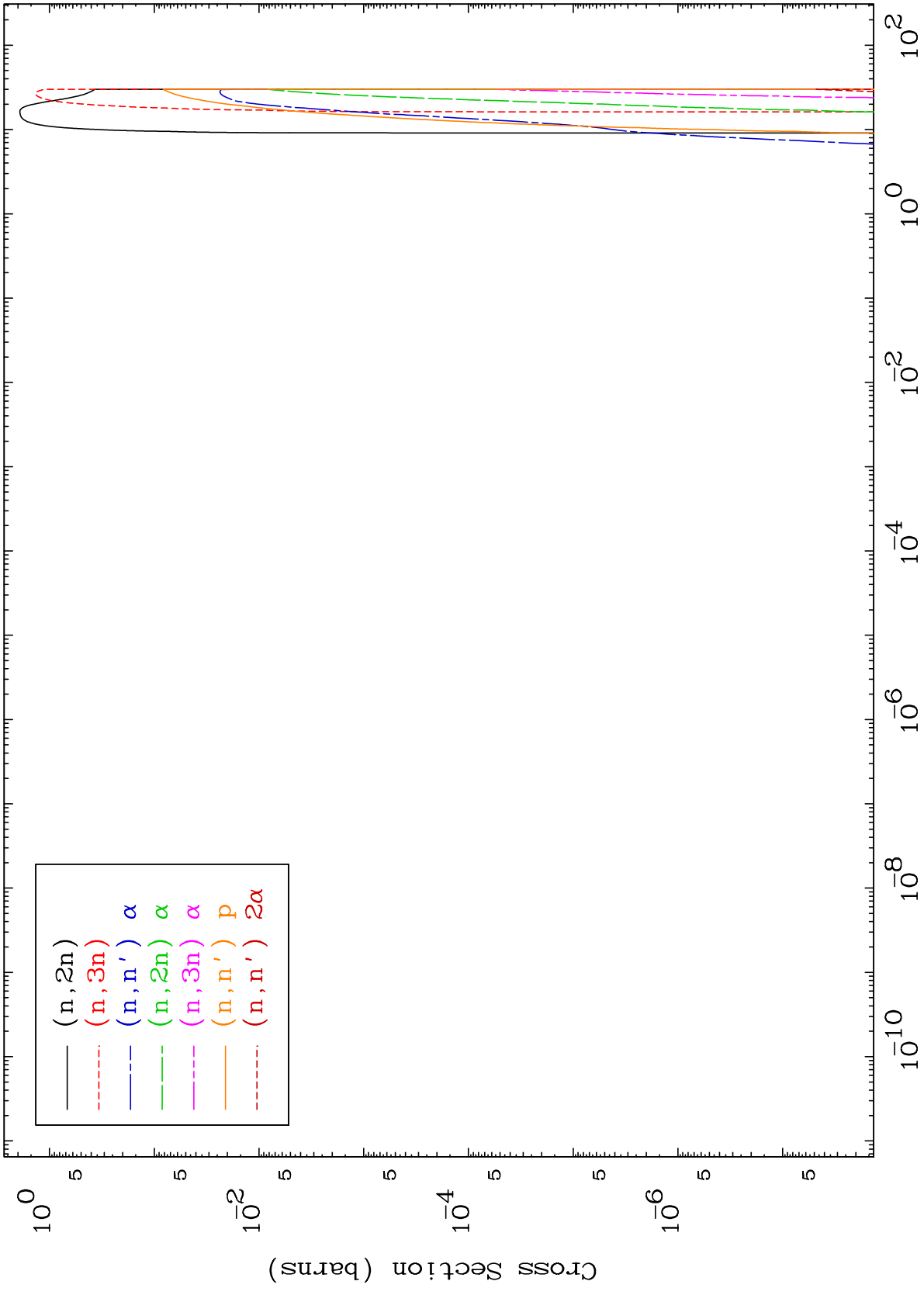
70-Yb-168



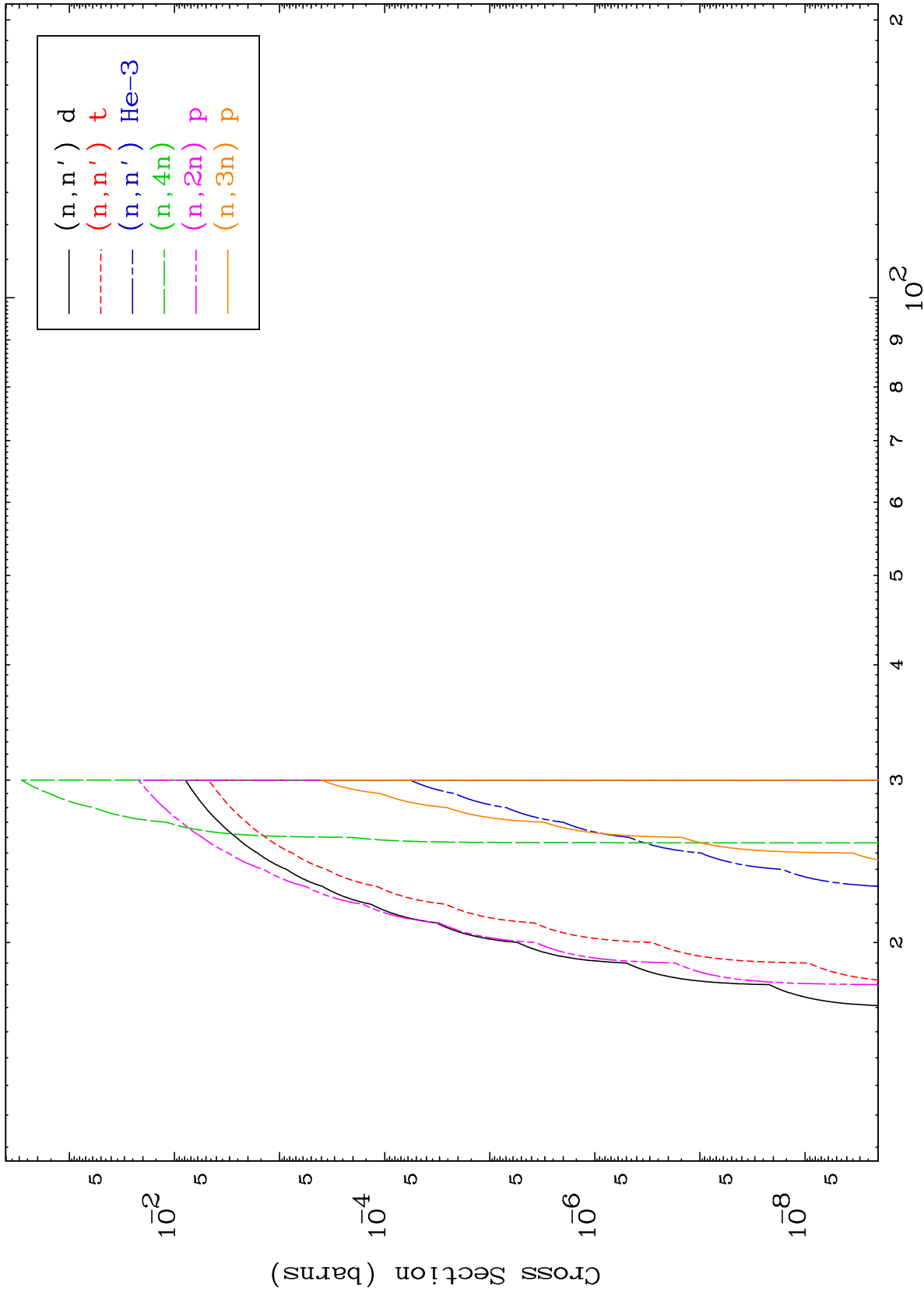
MAT 7025

Neutron Production
293 Kelvin Cross Sections

70-Yb-168



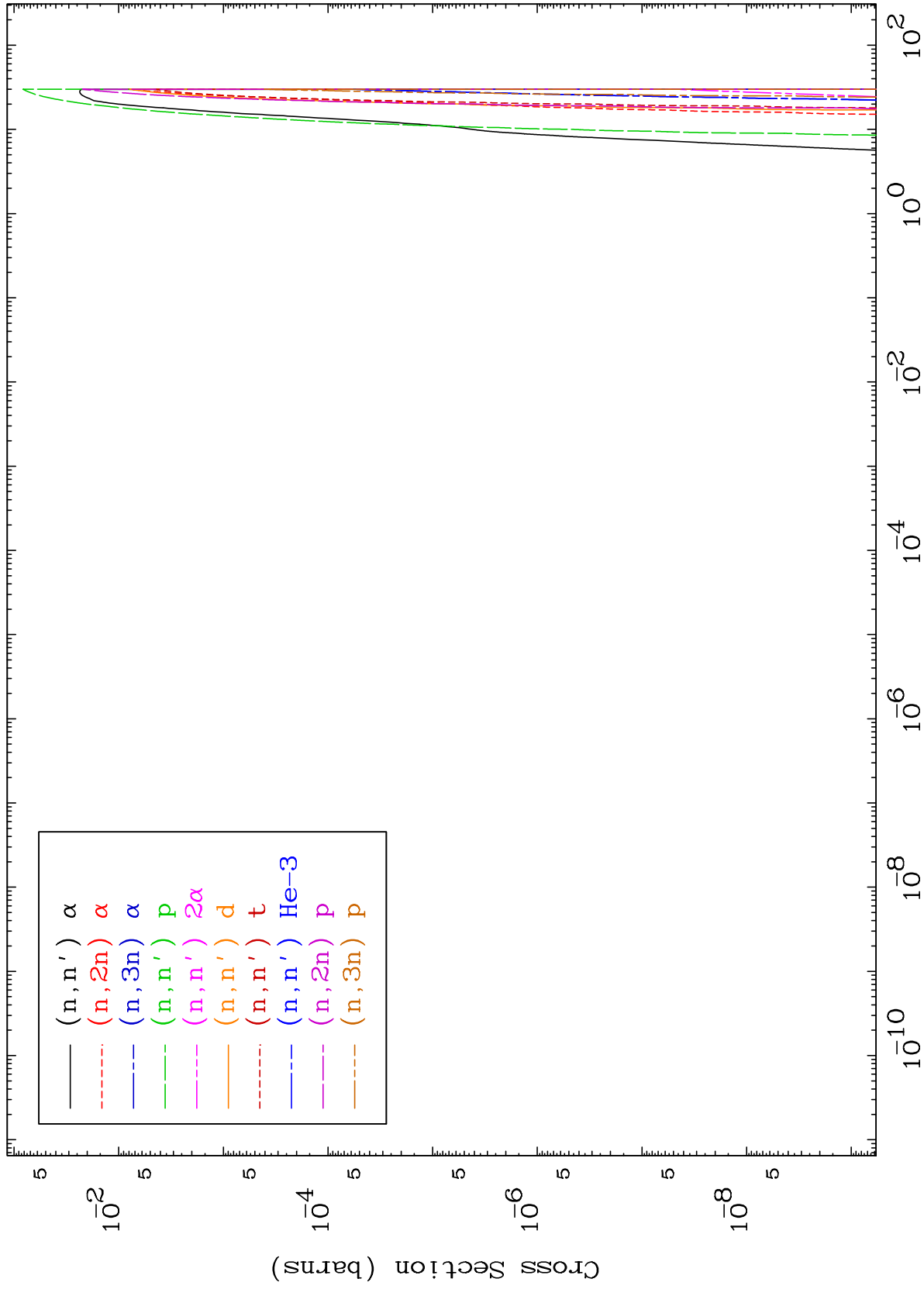
70-Yb-168



MAT 7025

Charged Particle
293 Kelvin Cross Sections

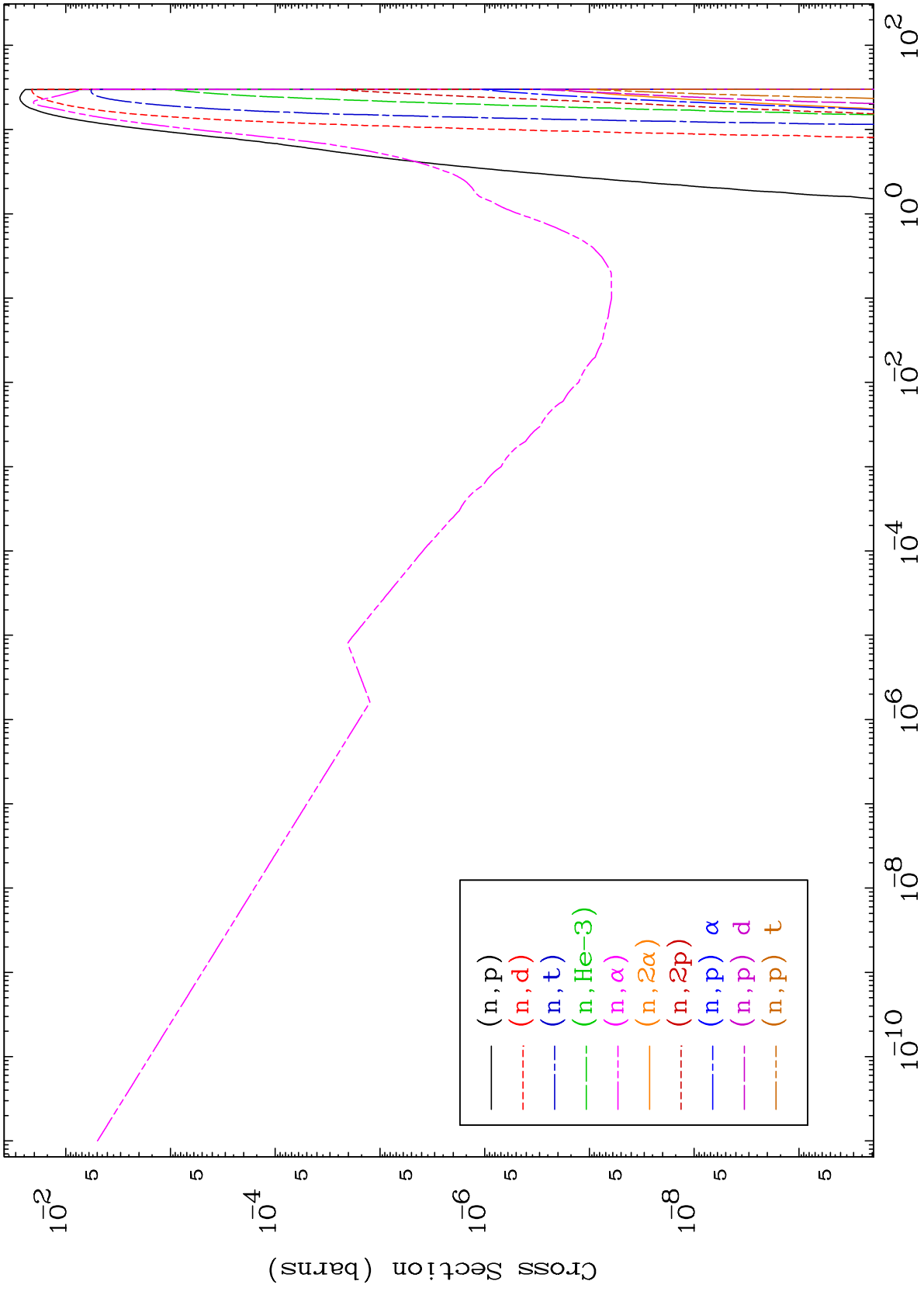
70-Yb-168

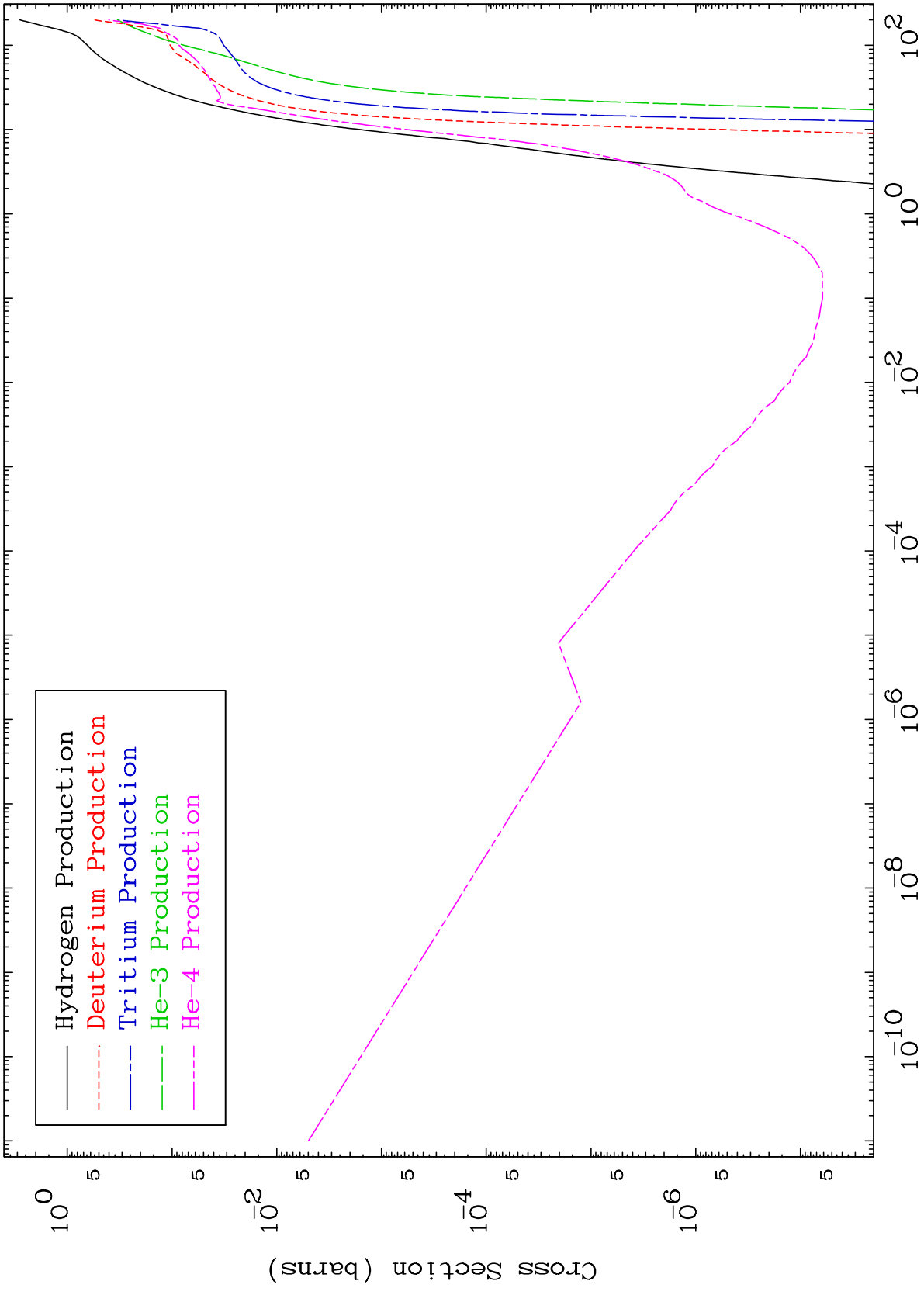


MAT 7025

Charged Particle
293 Kelvin Cross Sections

70-Yb-168



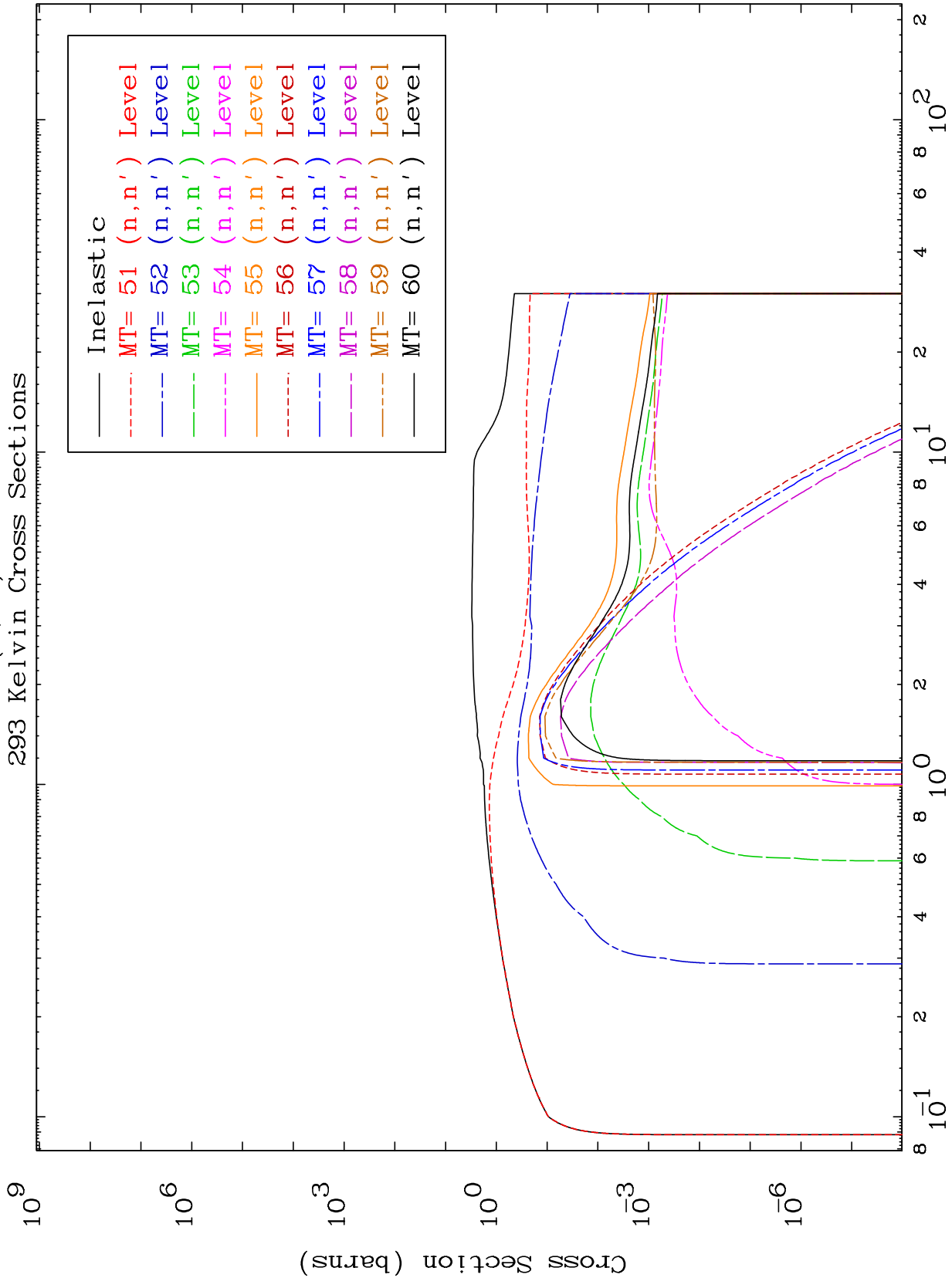


MAT 7025

(n,n') Level

293 Kelvin Cross Sections

70-Yb-168



7

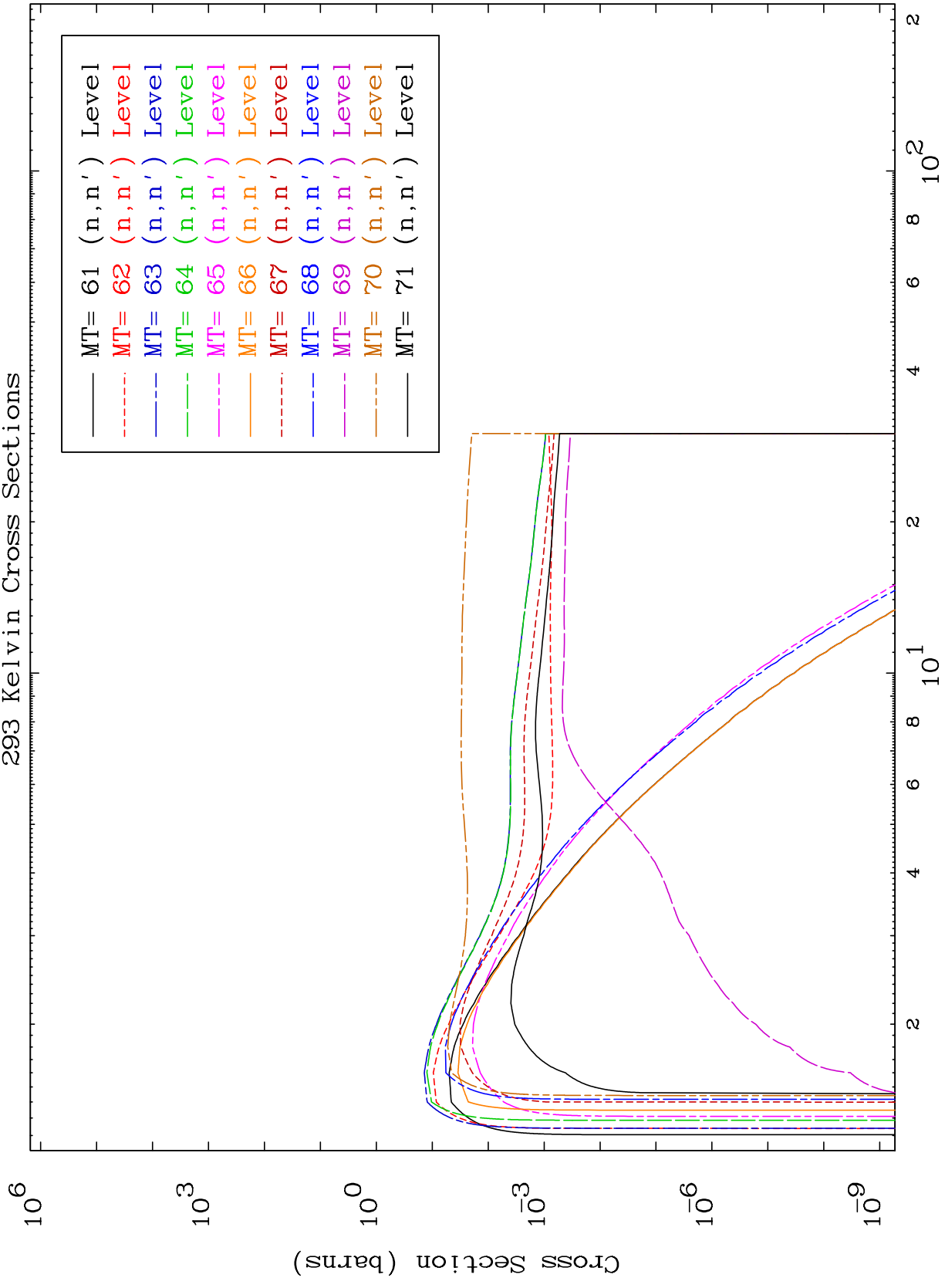
Incident Energy (MeV)

70-Yb-168

MAT 7025

(n,n') Level
293 Kelvin Cross Sections

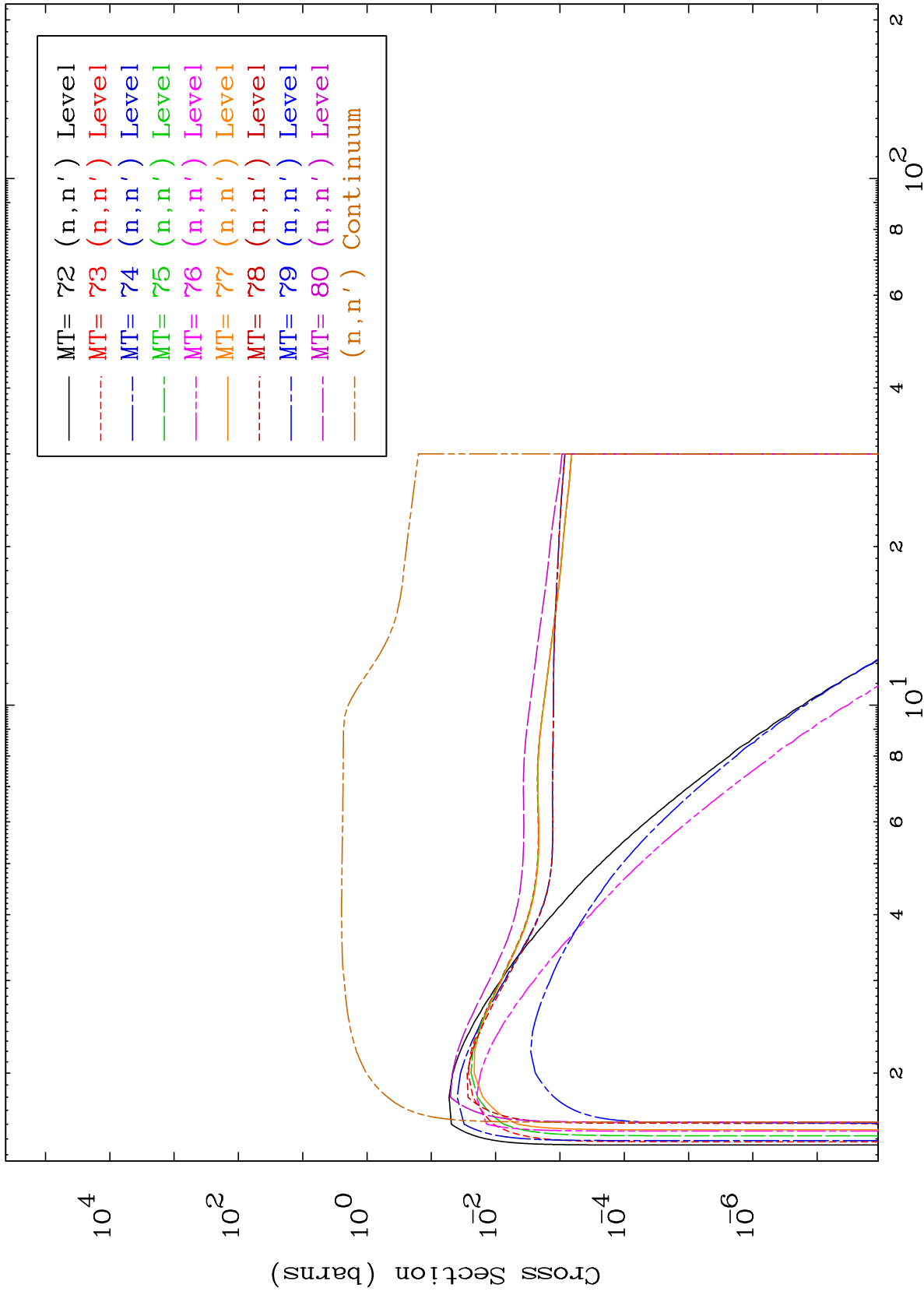
70-Yb-168



8

Incident Energy (MeV)

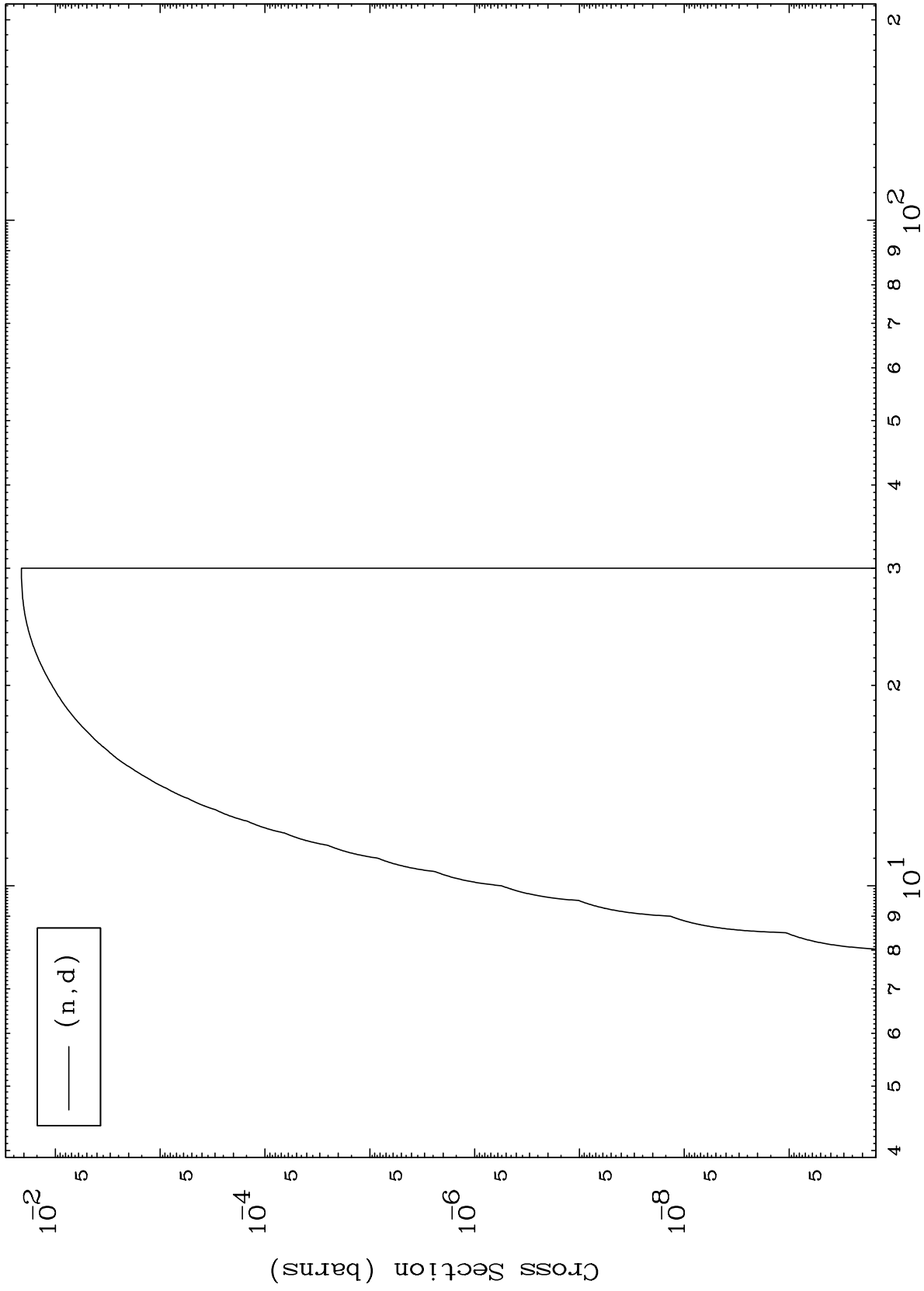
70-Yb-168



MAT 7025

(n,d) Levels
293 Kelvin Cross Sections

70-Yb-168



11

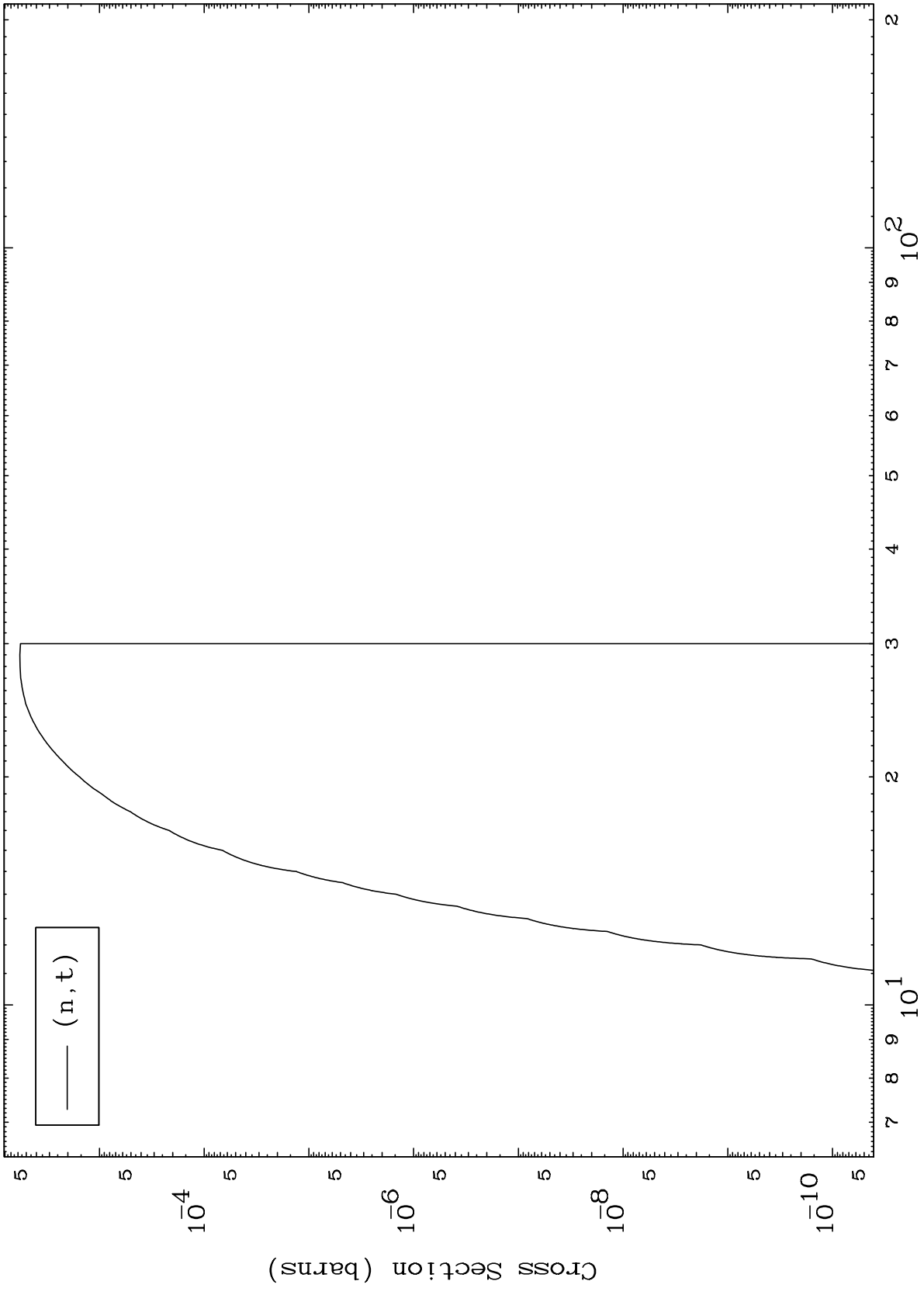
Incident Energy (MeV)

70-Yb-168

MAT 7025

(n,t) Levels
293 Kelvin Cross Sections

70-Yb-168



12

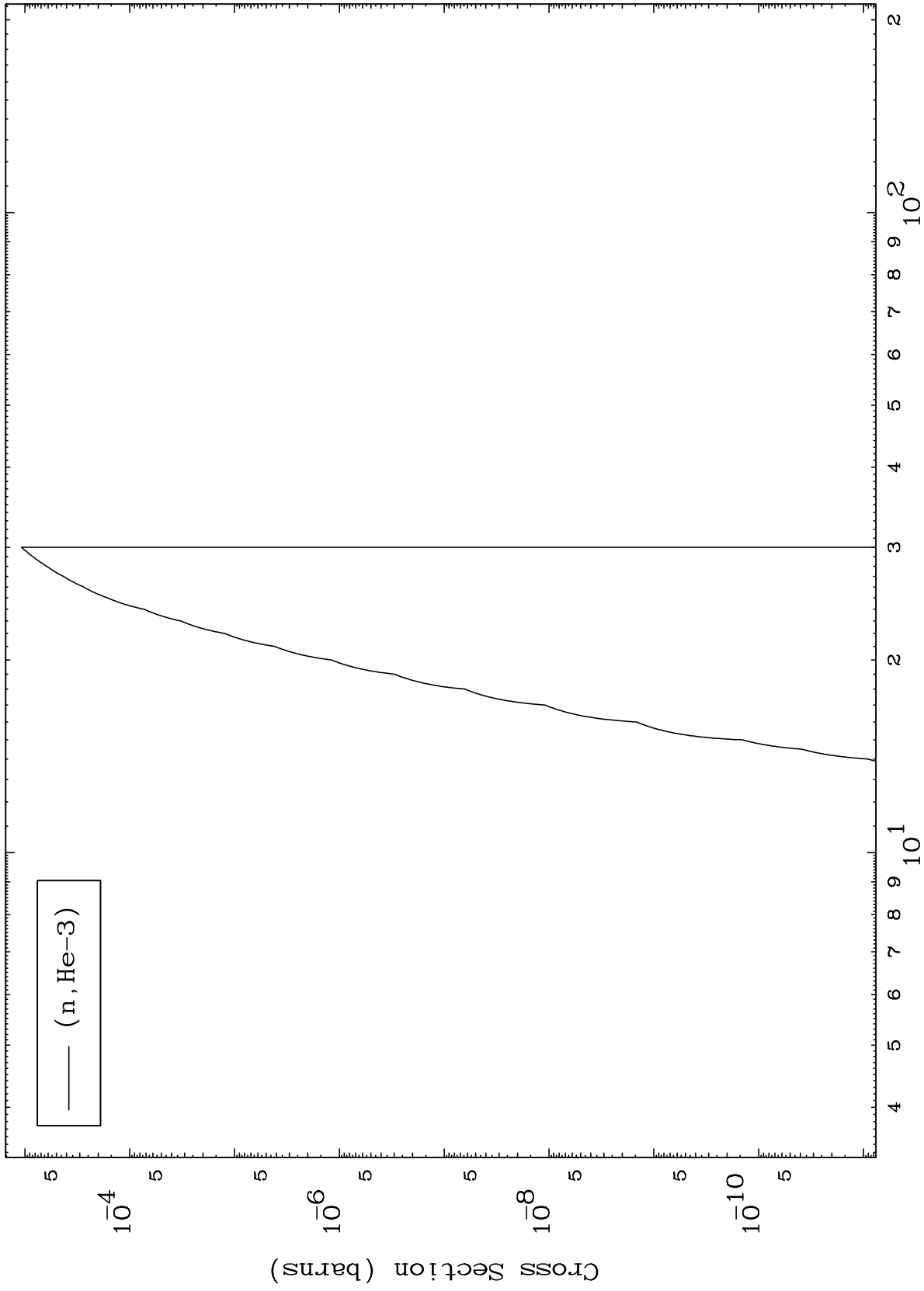
Incident Energy (MeV)

70-Yb-168

MAT 7025

(n,He3) Levels
293 Kelvin Cross Sections

70-Yb-168



13

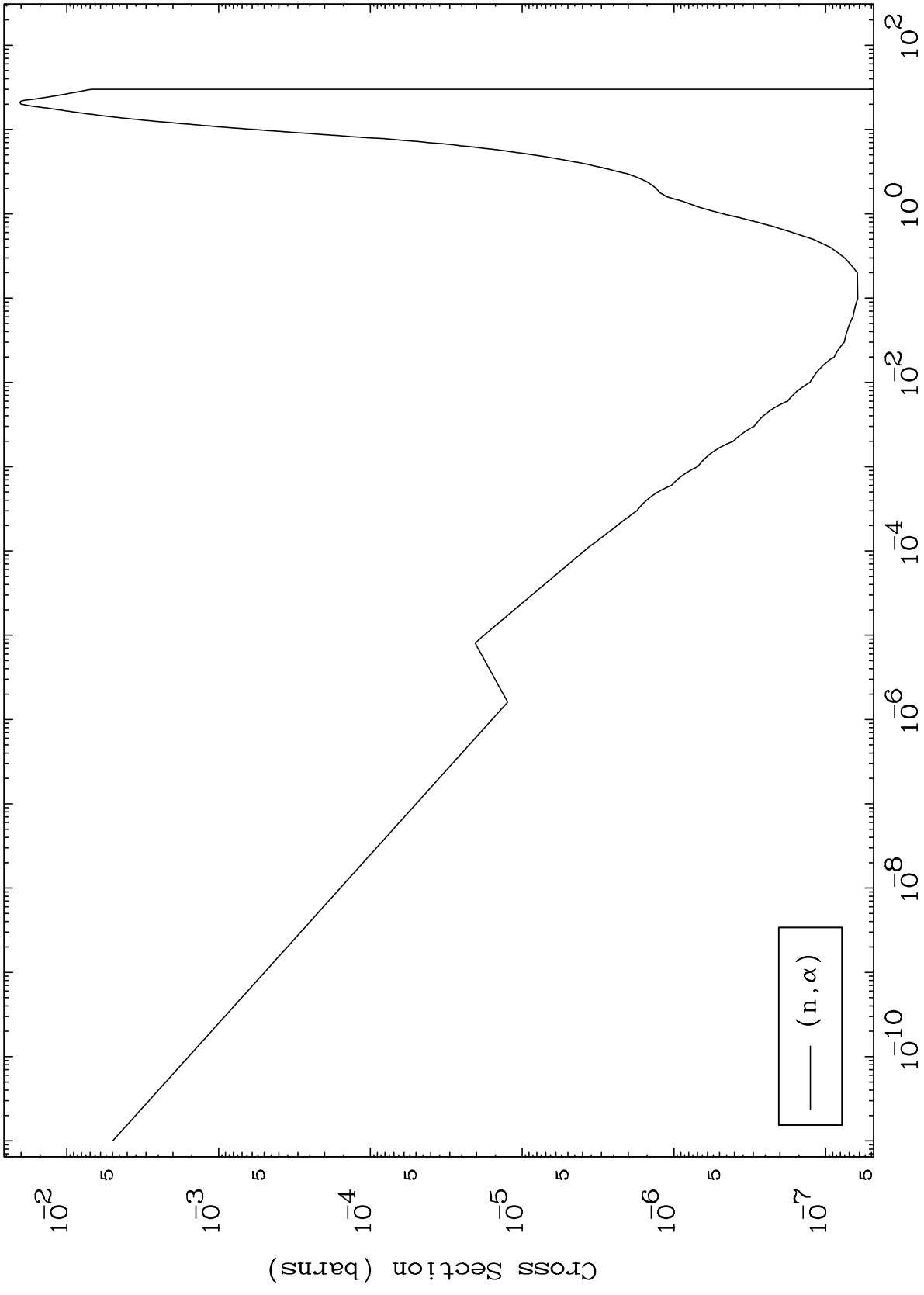
Incident Energy (MeV)

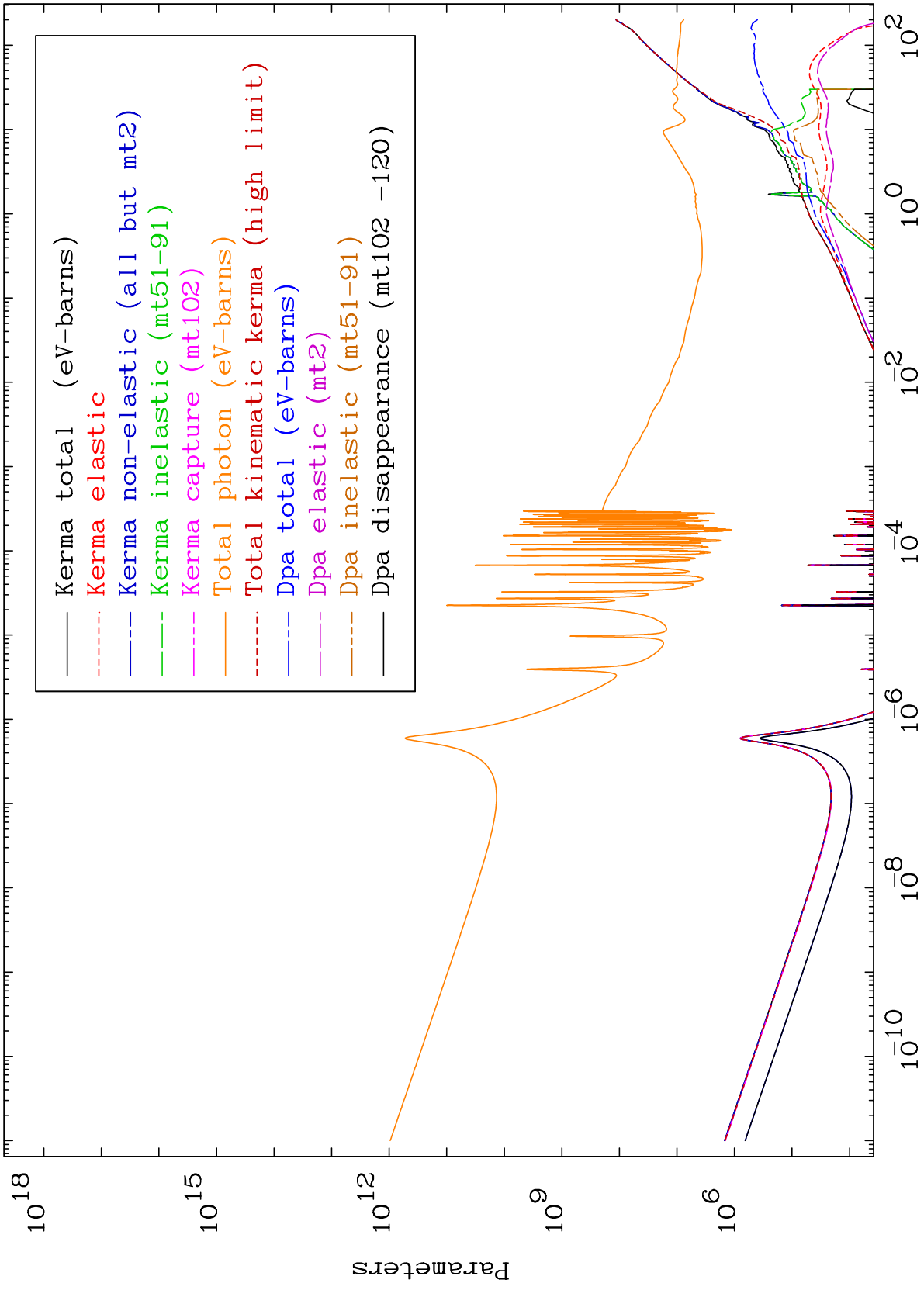
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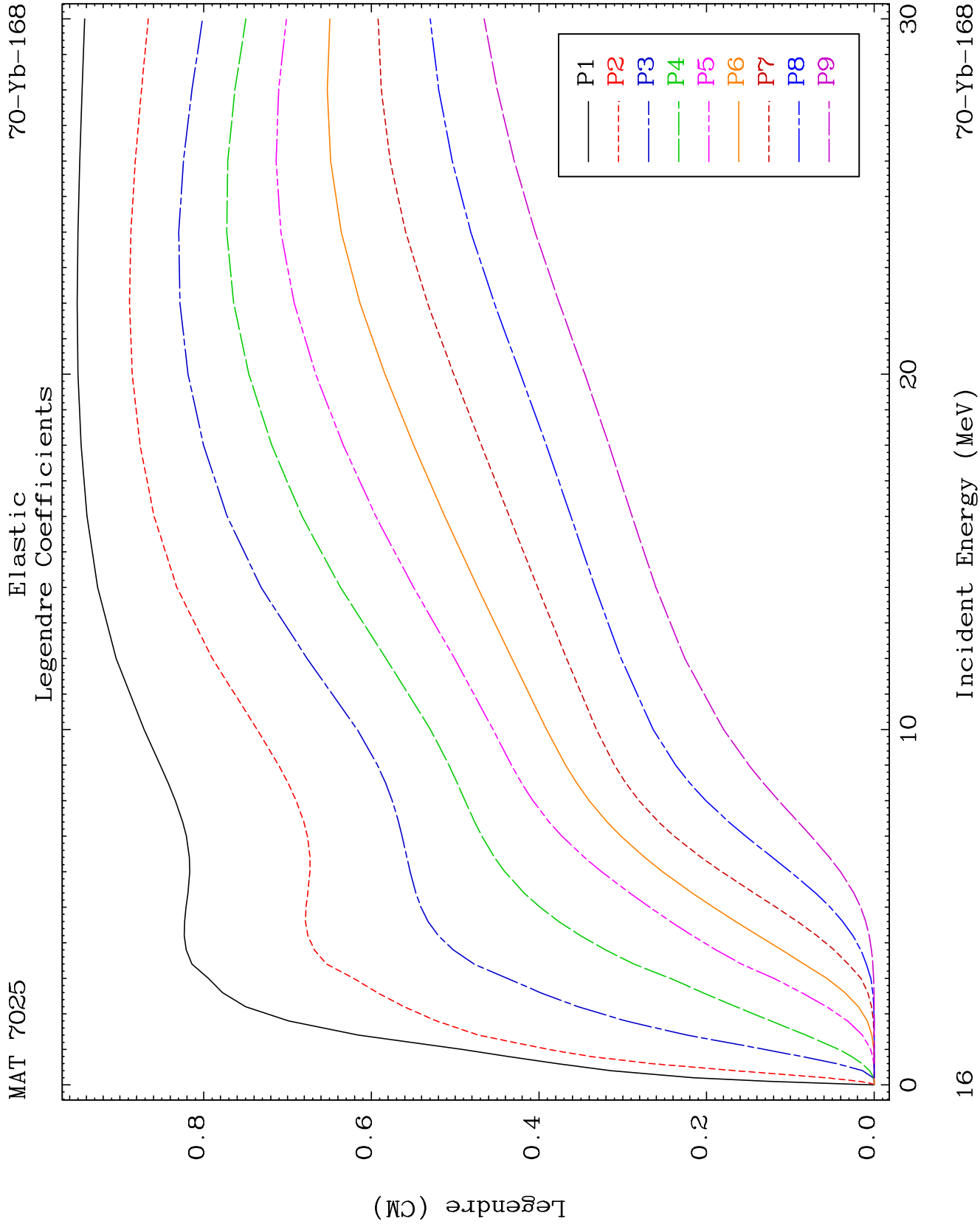
MAT 7025

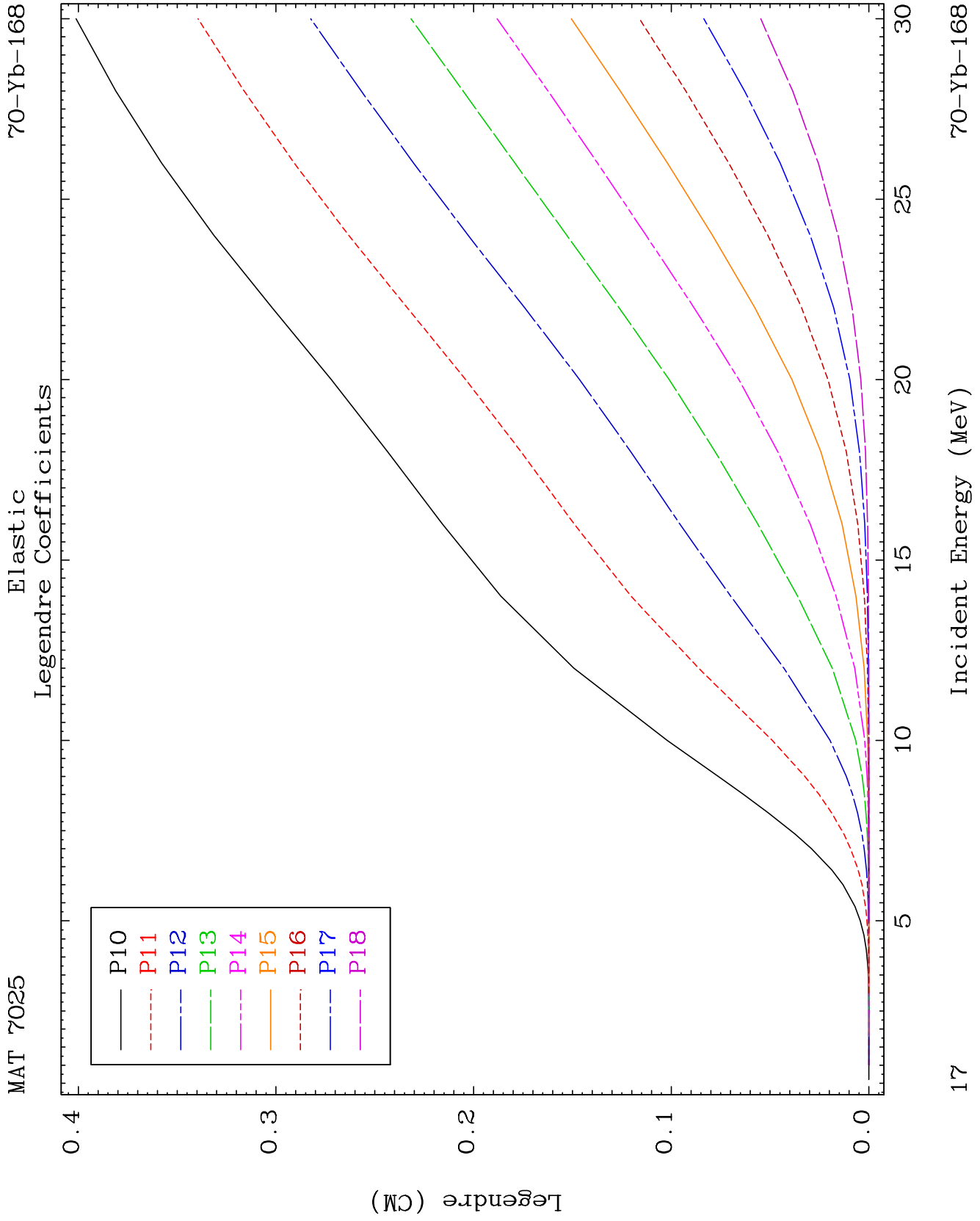
(n,α) Levels
293 Kelvin Cross Sections

70-Yb-168





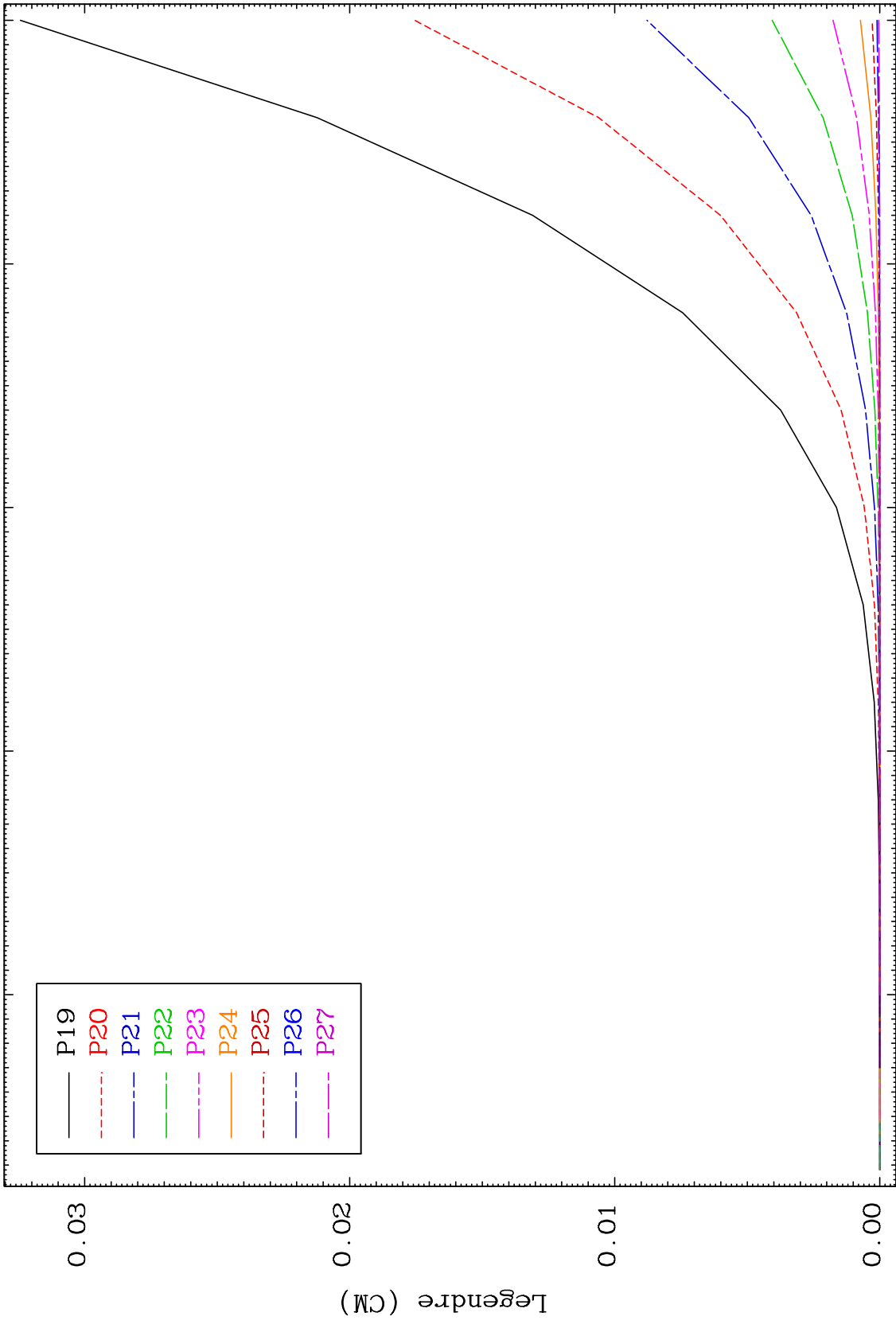




MAT 7025

Elastic Legendre Coefficients

70-Yb-168



18

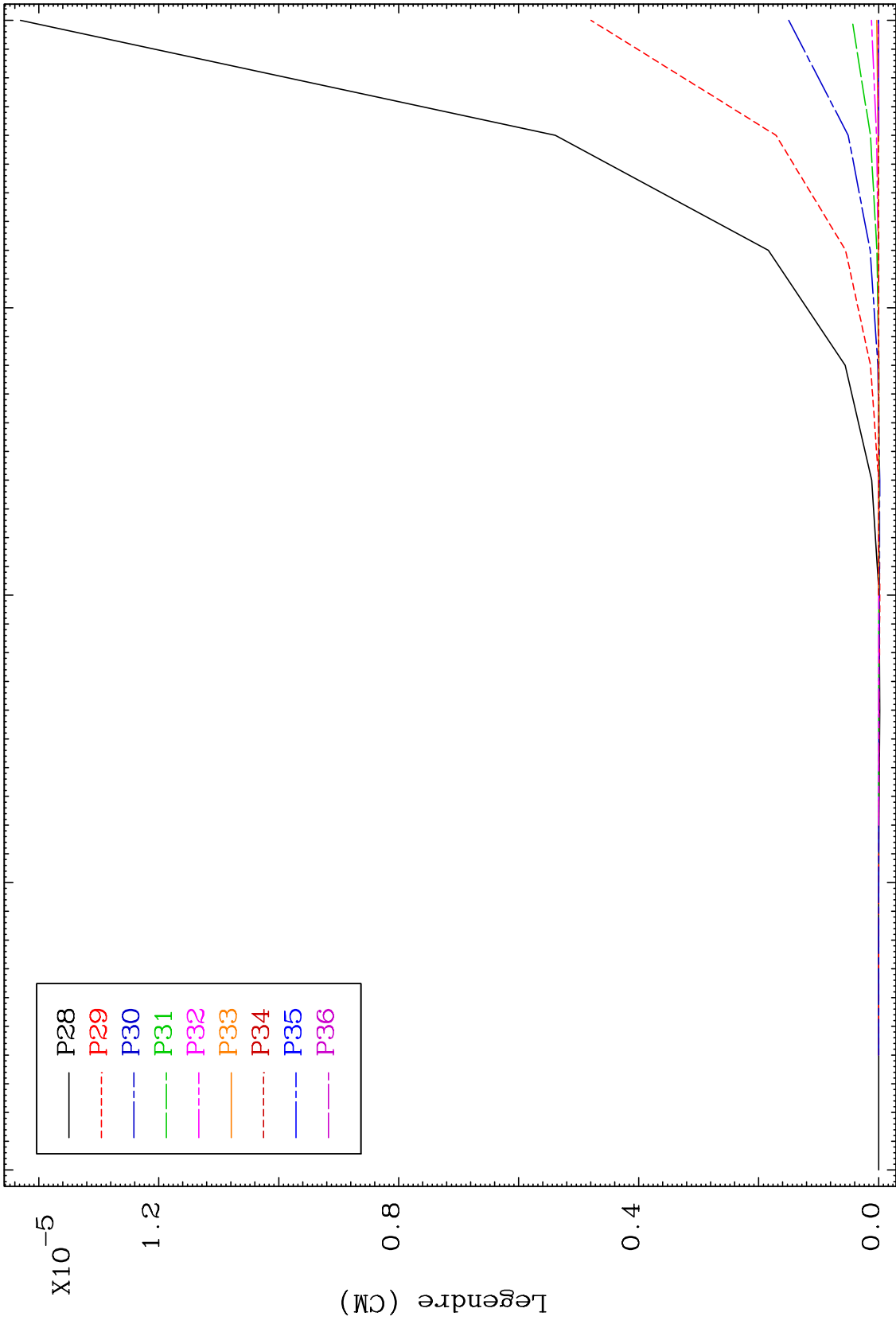
Incident Energy (MeV)

70-Yb-168

MAT 7025

Elastic Legendre Coefficients

70-Yb-168

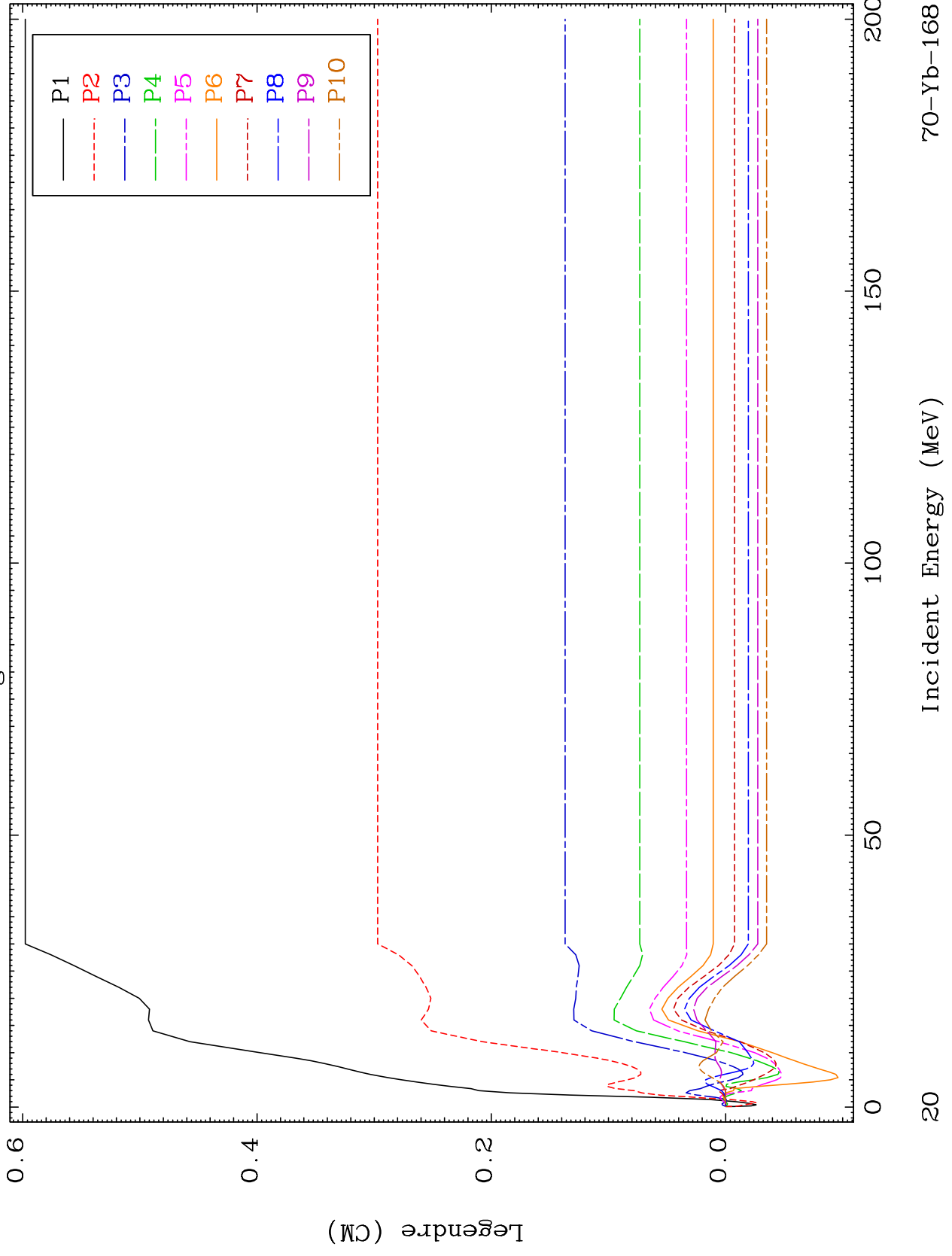


19

Incident Energy (MeV)

70-Yb-168

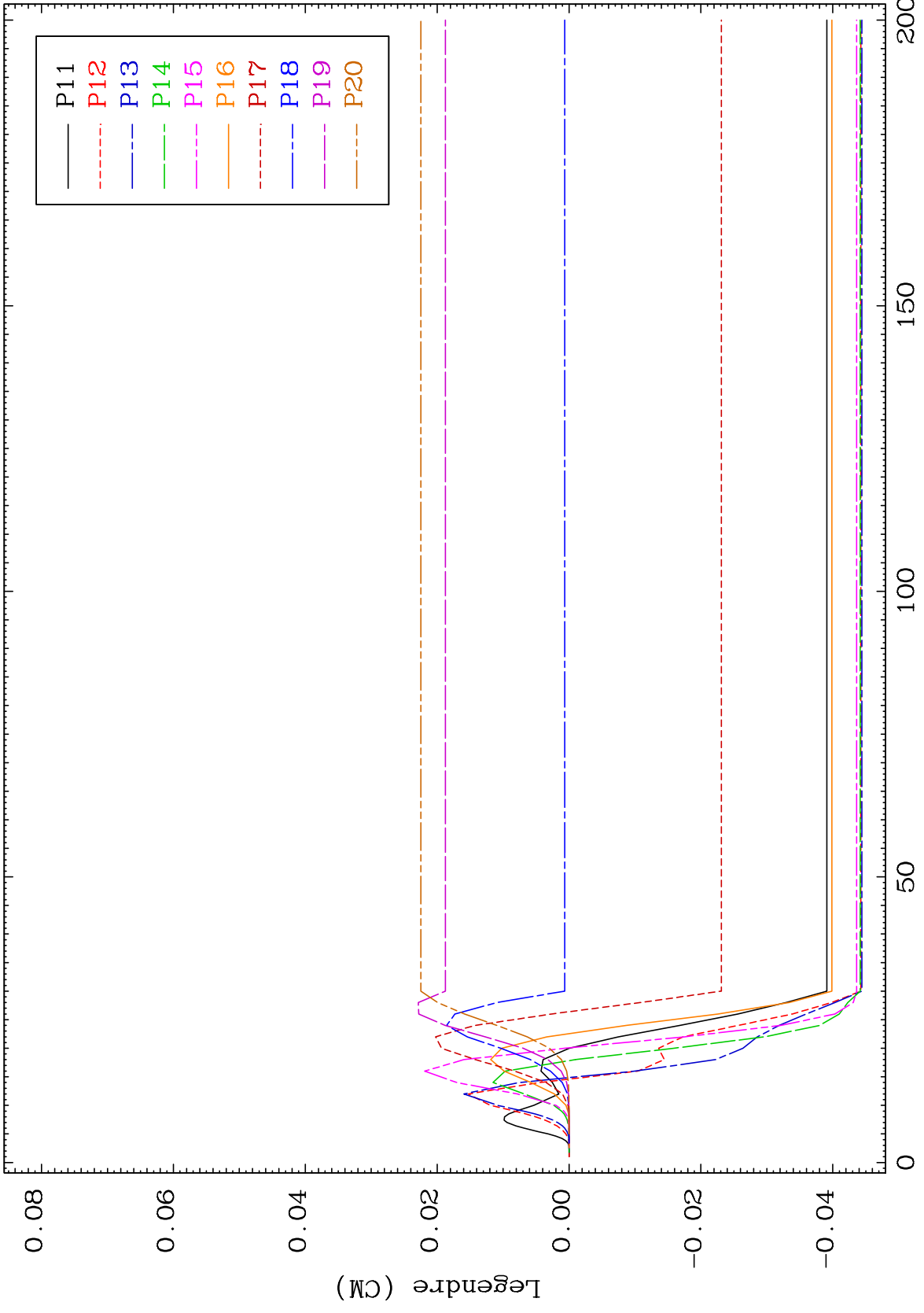
MAT 7025 MT= 51 (n,n') Level Legendre Coefficients 70-Yb-168



MAT 7025

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

70-Yb-168



21

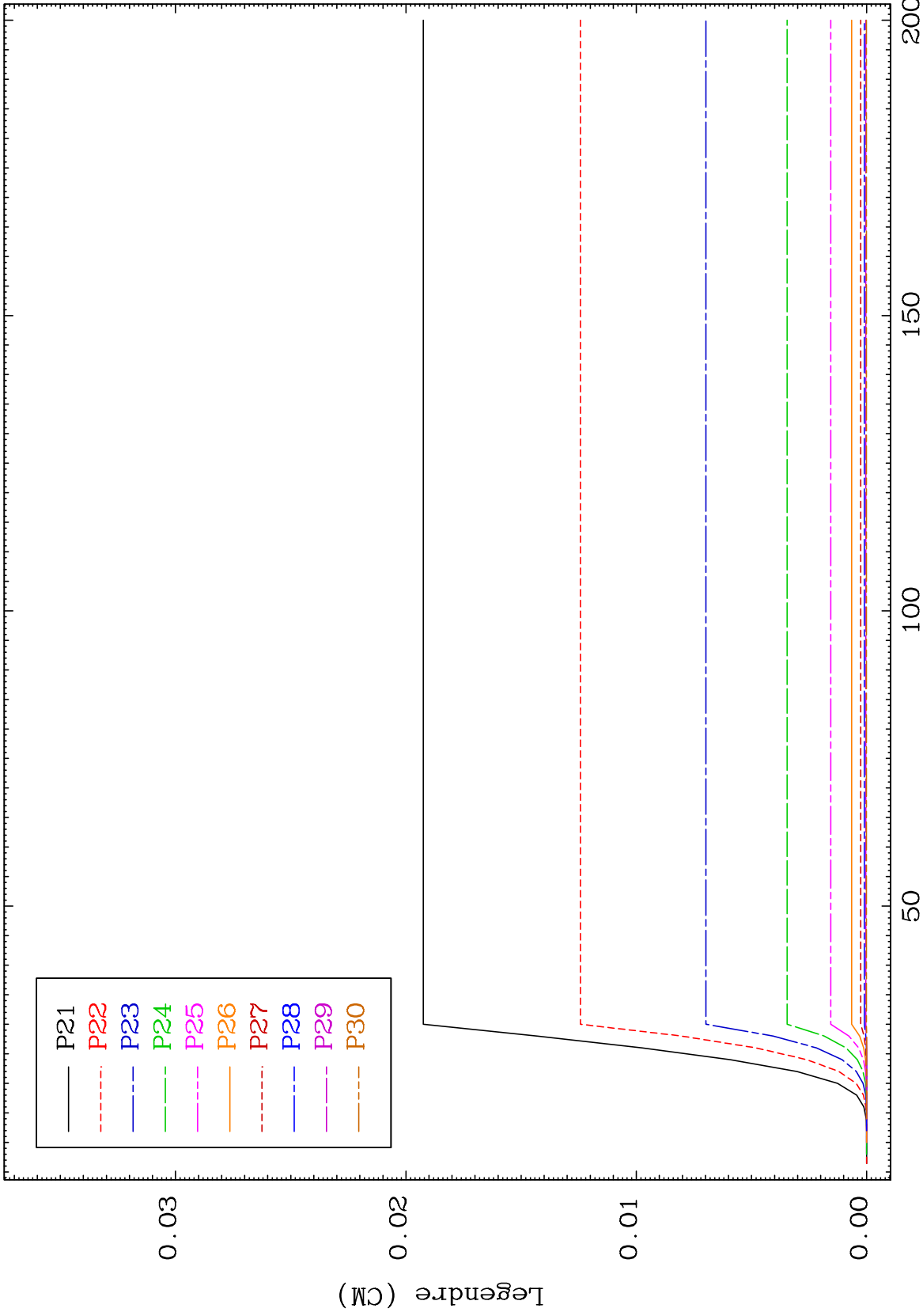
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168



22

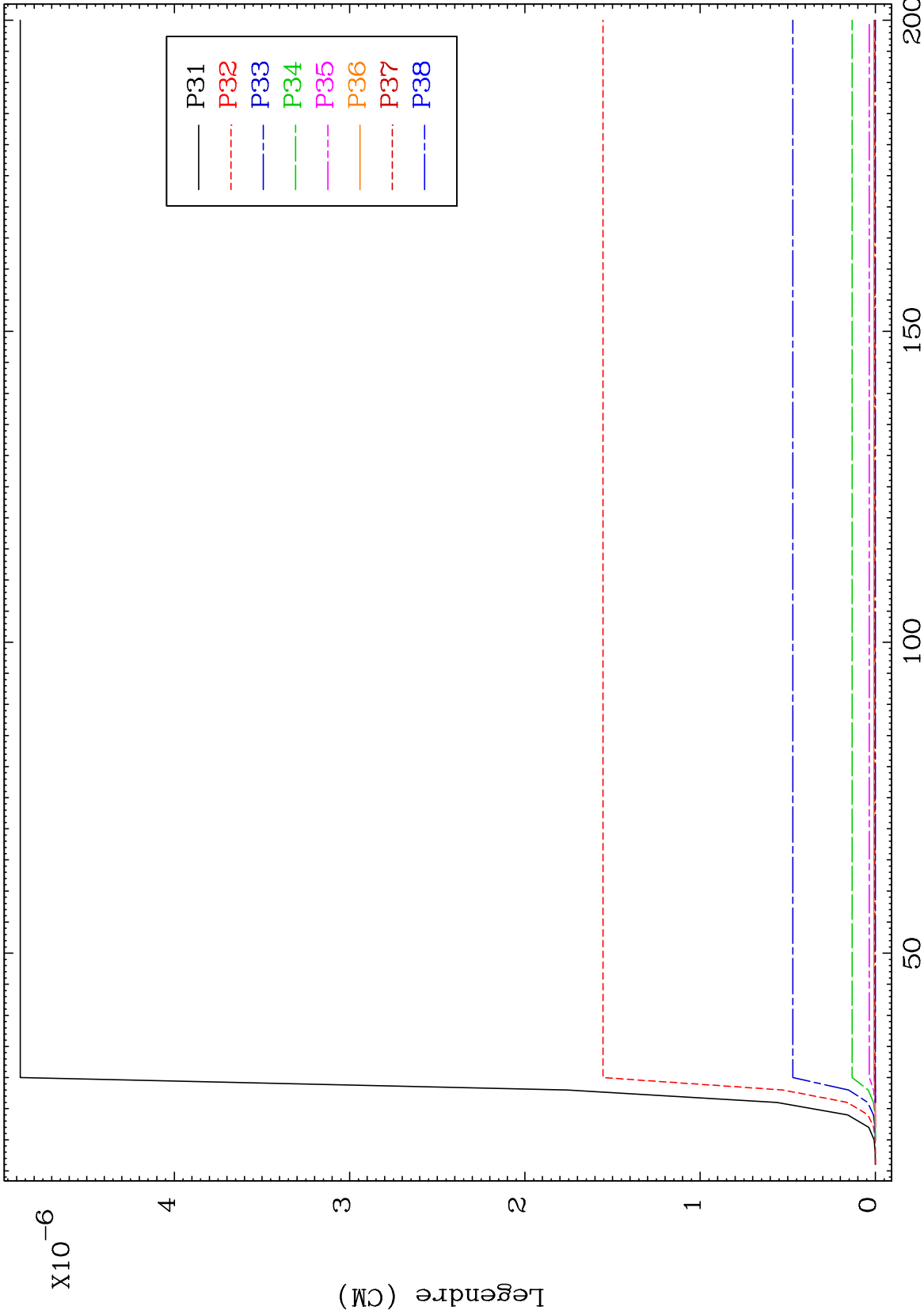
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168



23

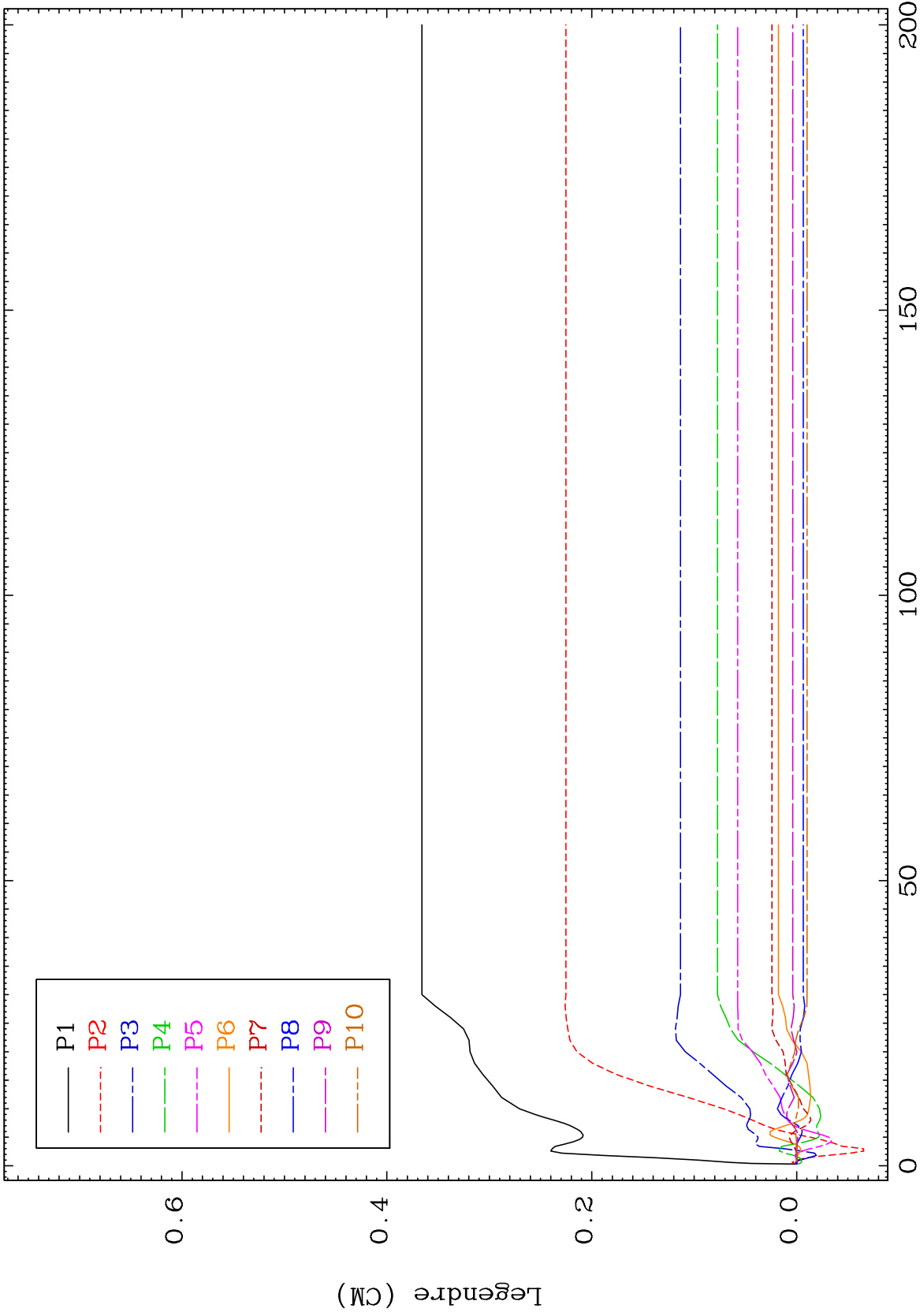
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168

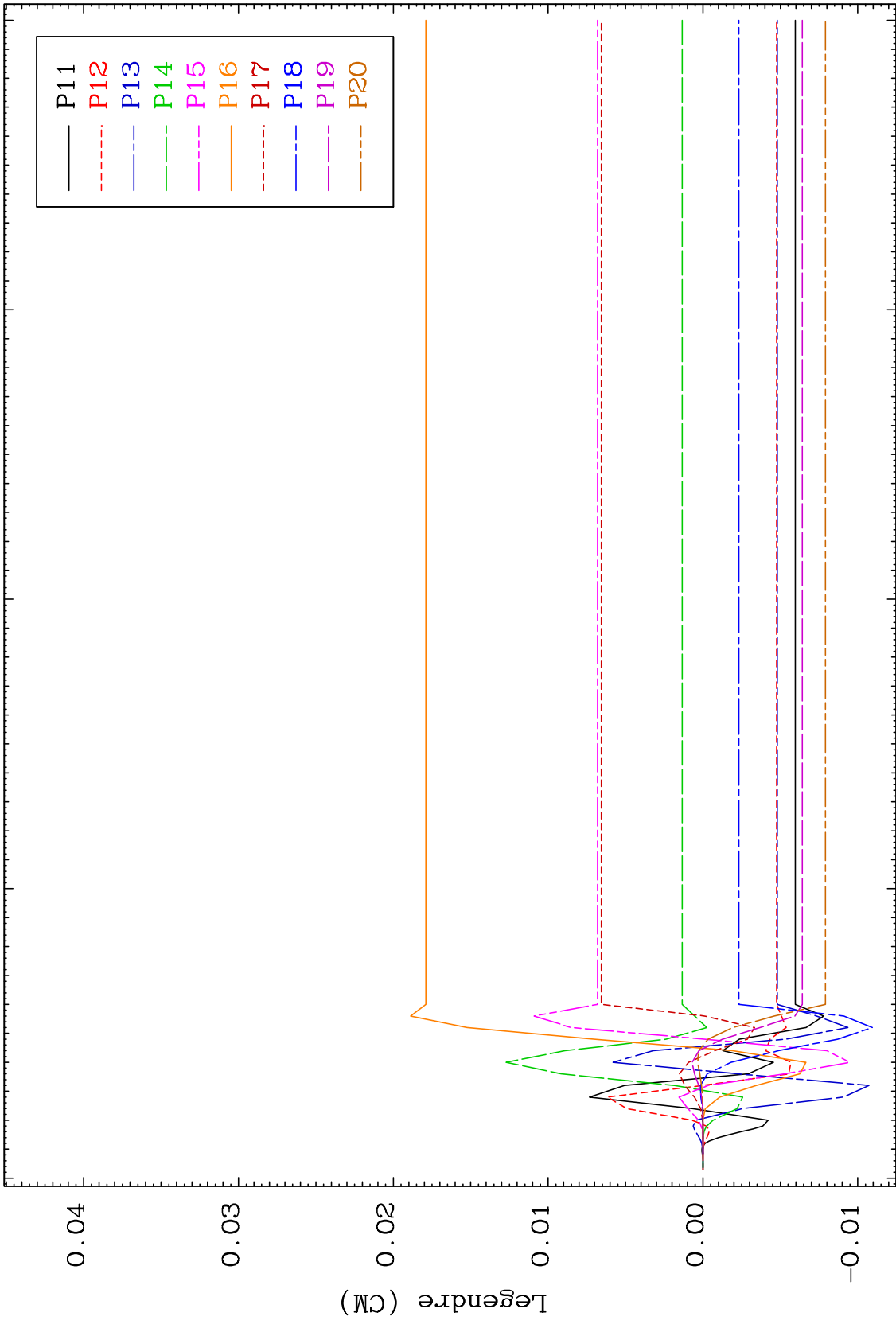


24

Incident Energy (MeV)

70-Yb-168

MAT 7025 MT= 52 (n,n') Level Legendre Coefficients 70-Yb-168

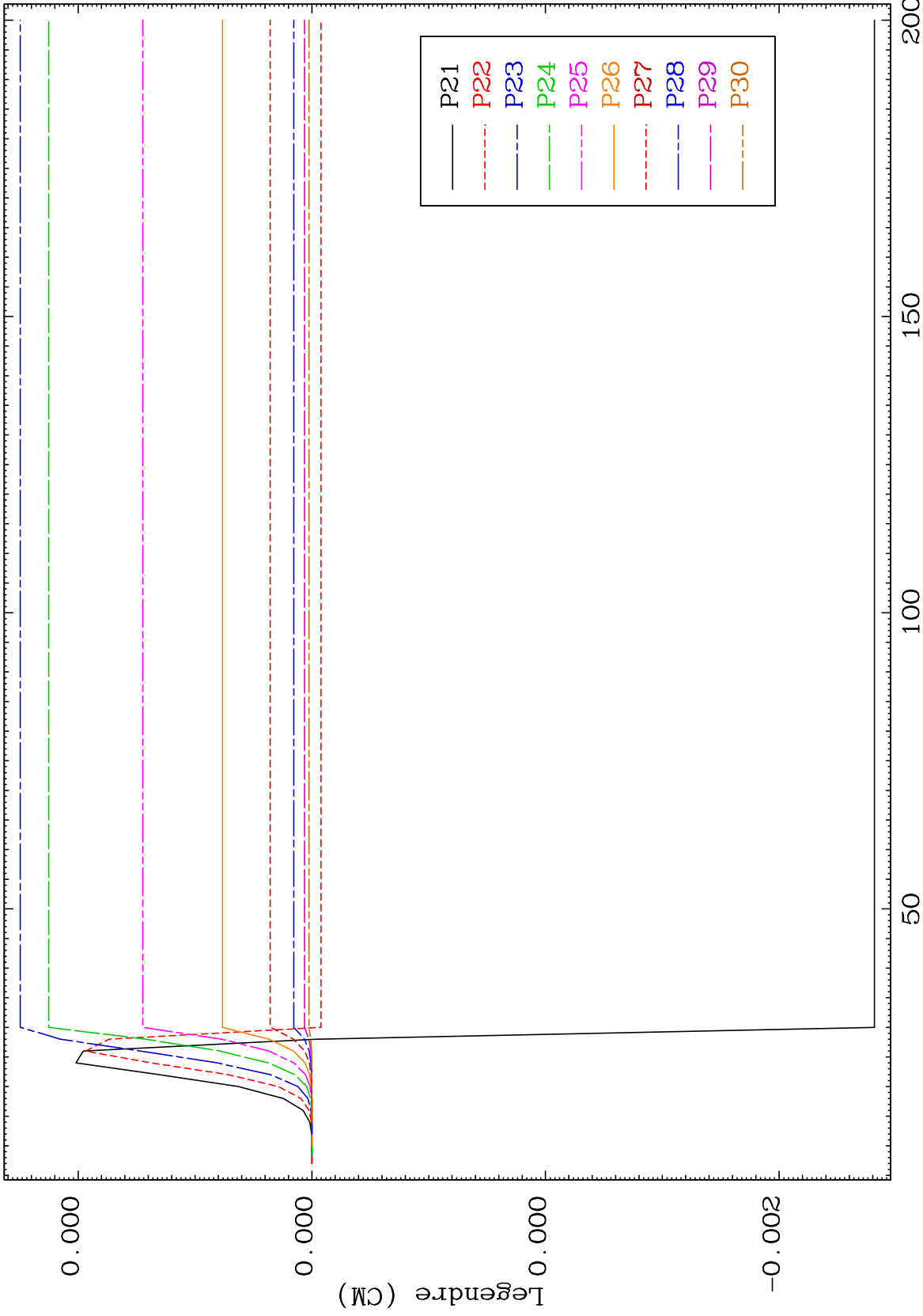


25 Incident Energy (MeV) 70-Yb-168

MAT 7025

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

70-Yb-168



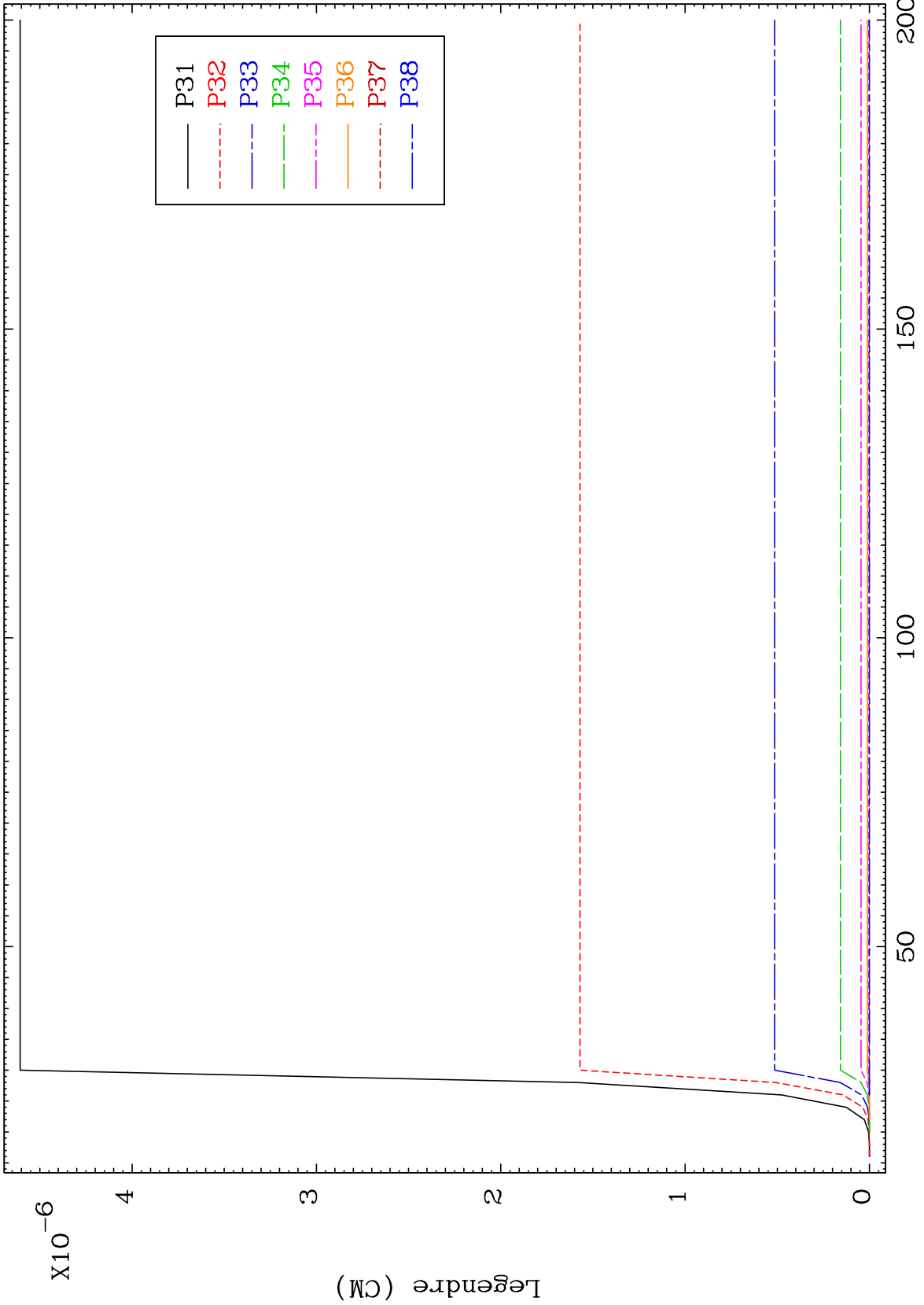
26

70-Yb-168

MAT 7025

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

70-Yb-168



27

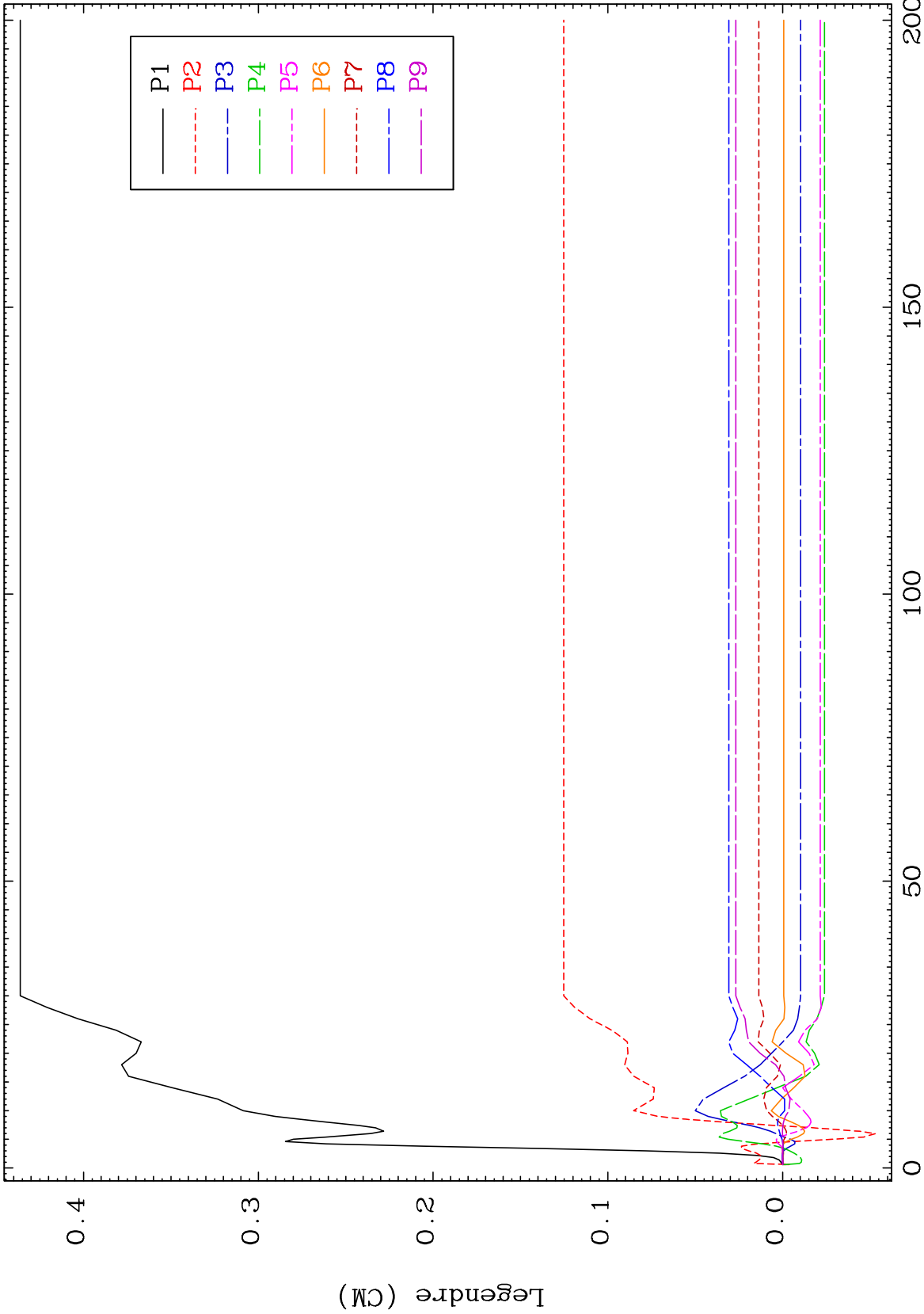
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168



28

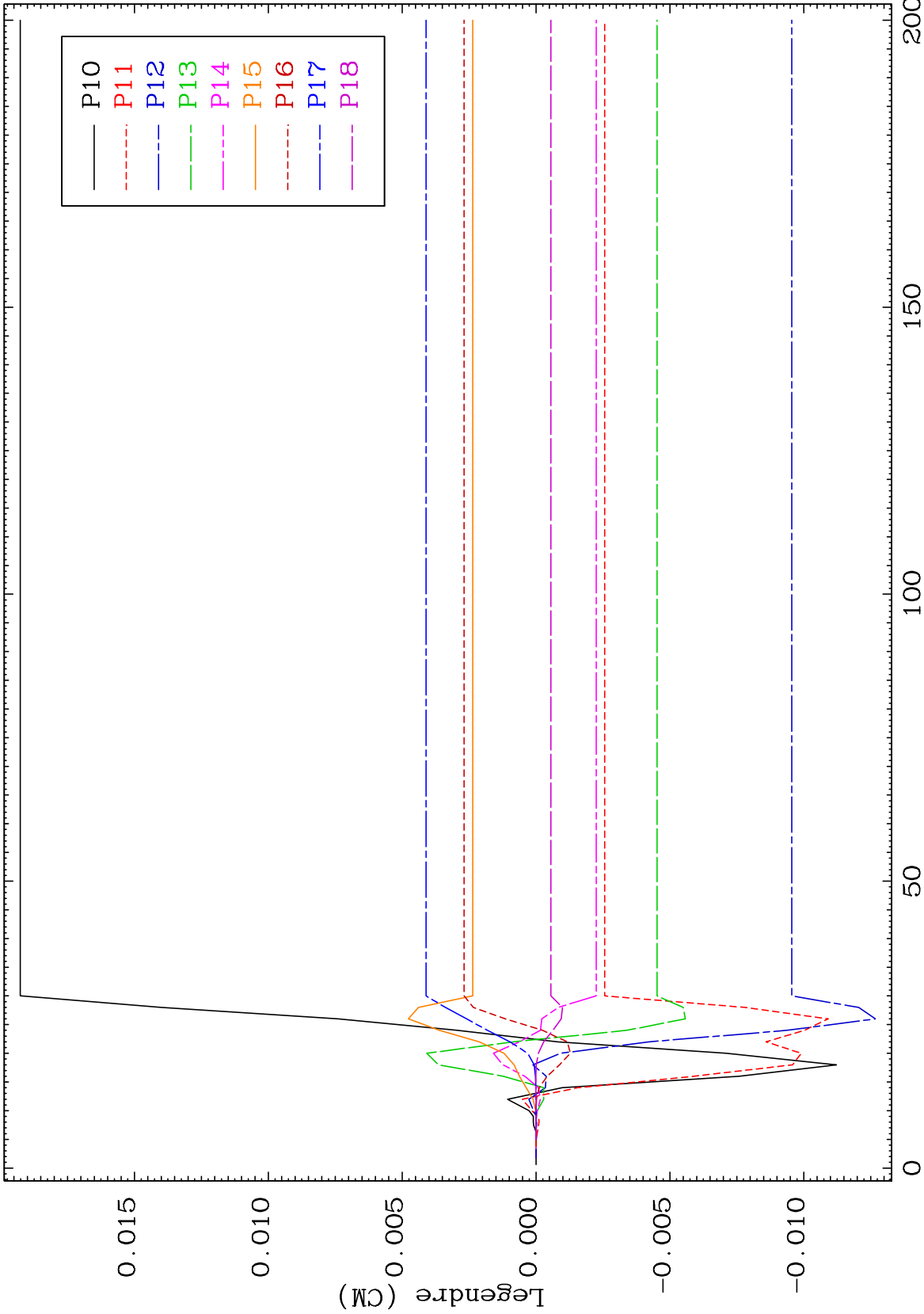
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168



29

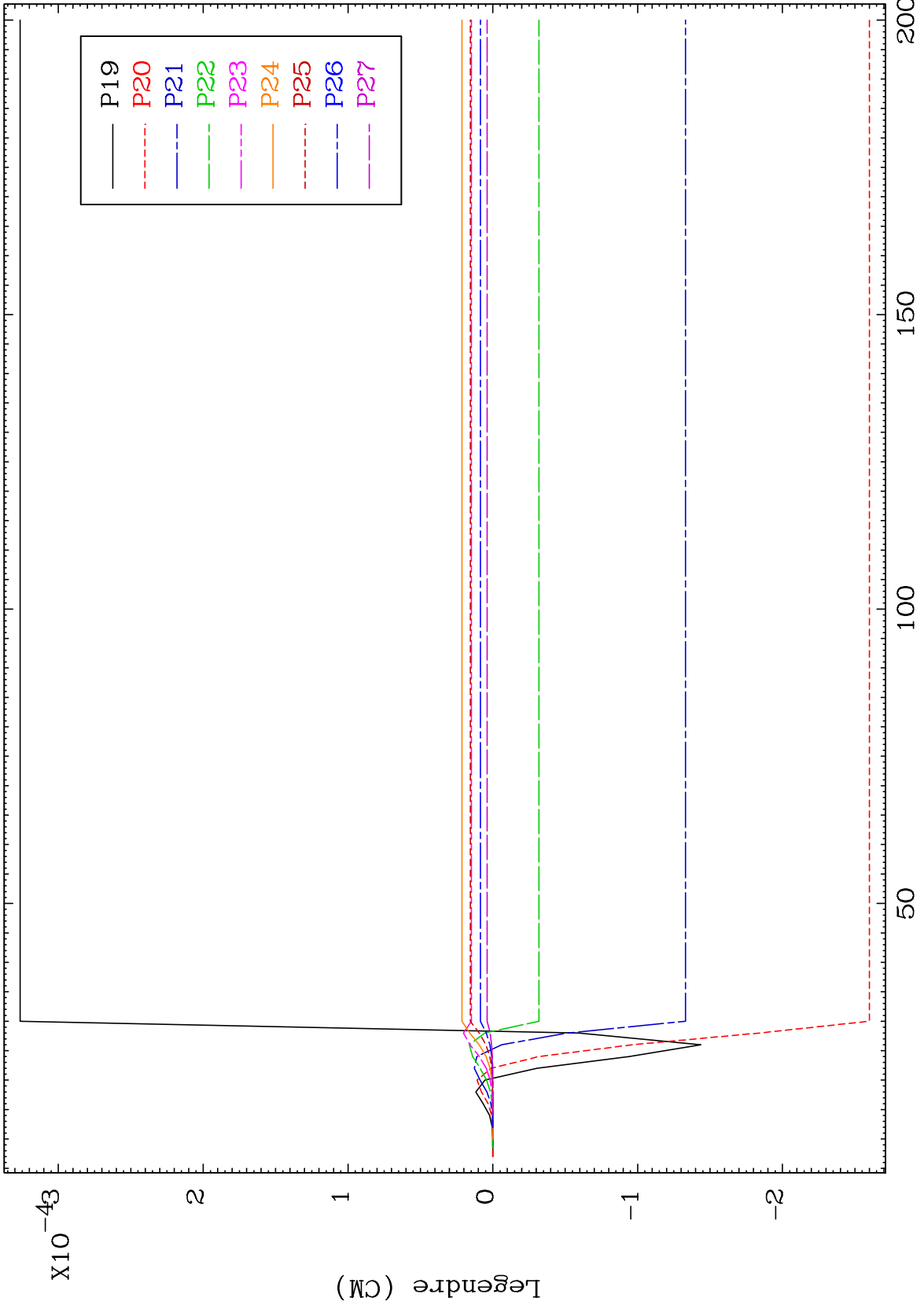
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168



30

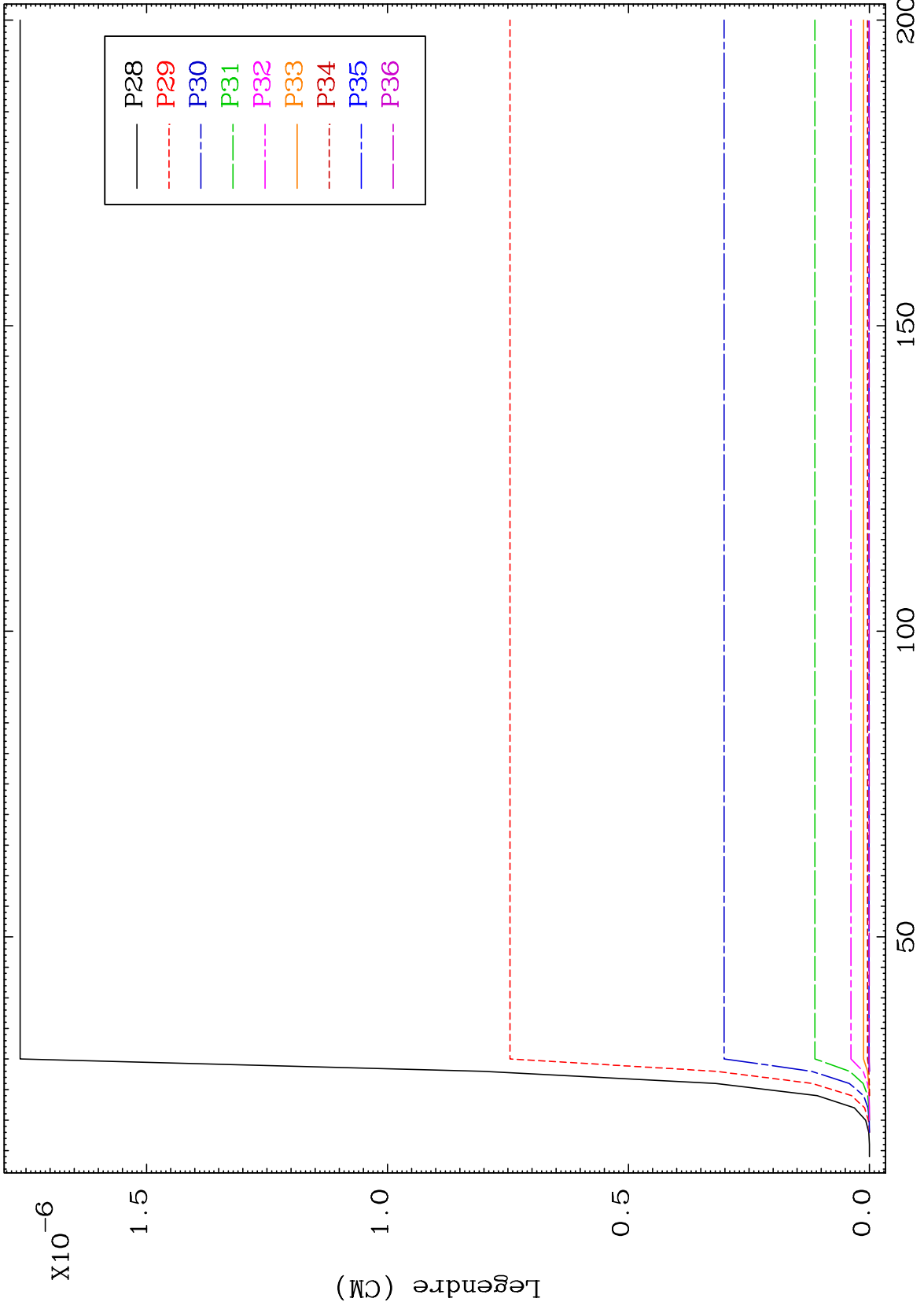
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168



31

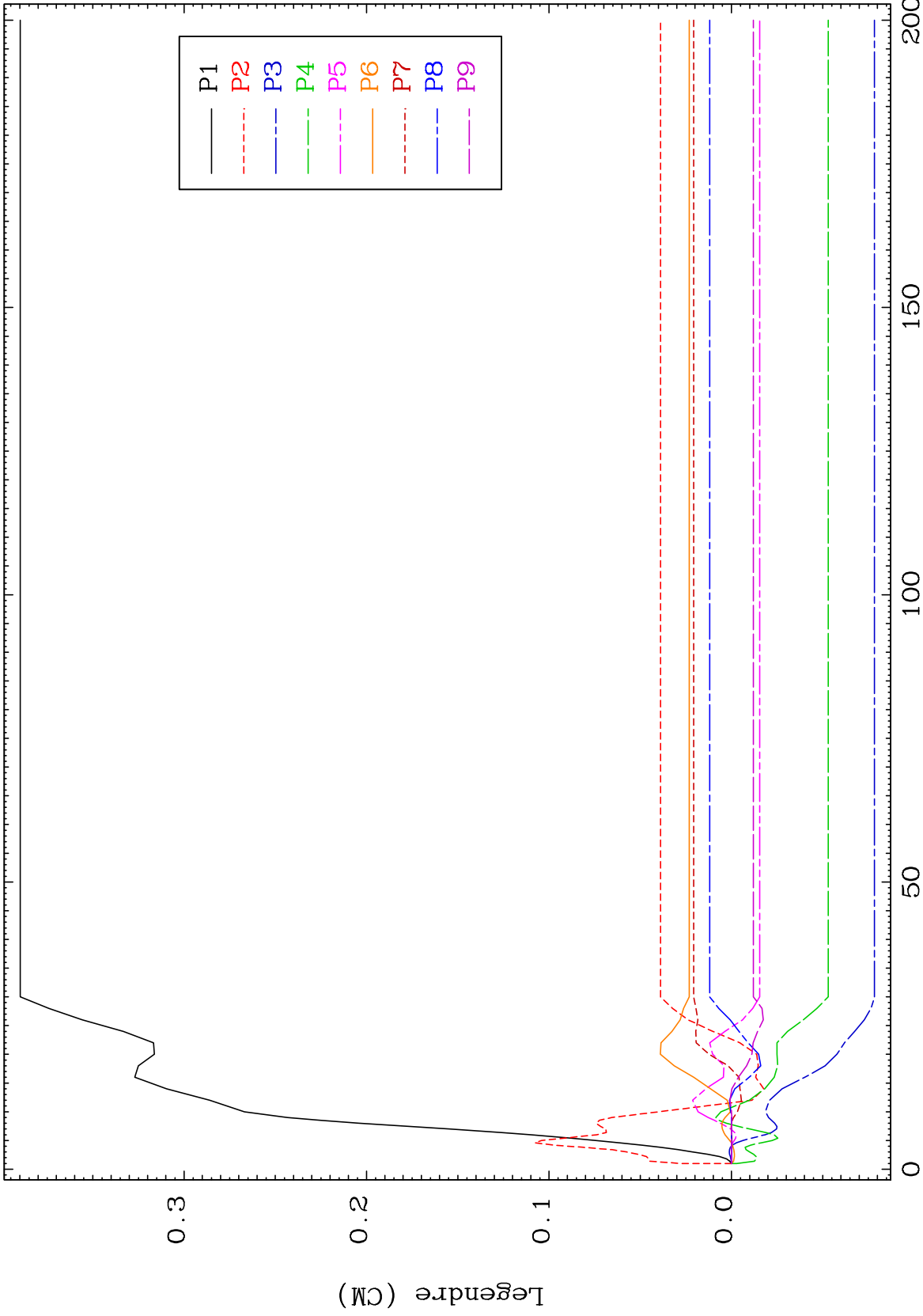
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168



32

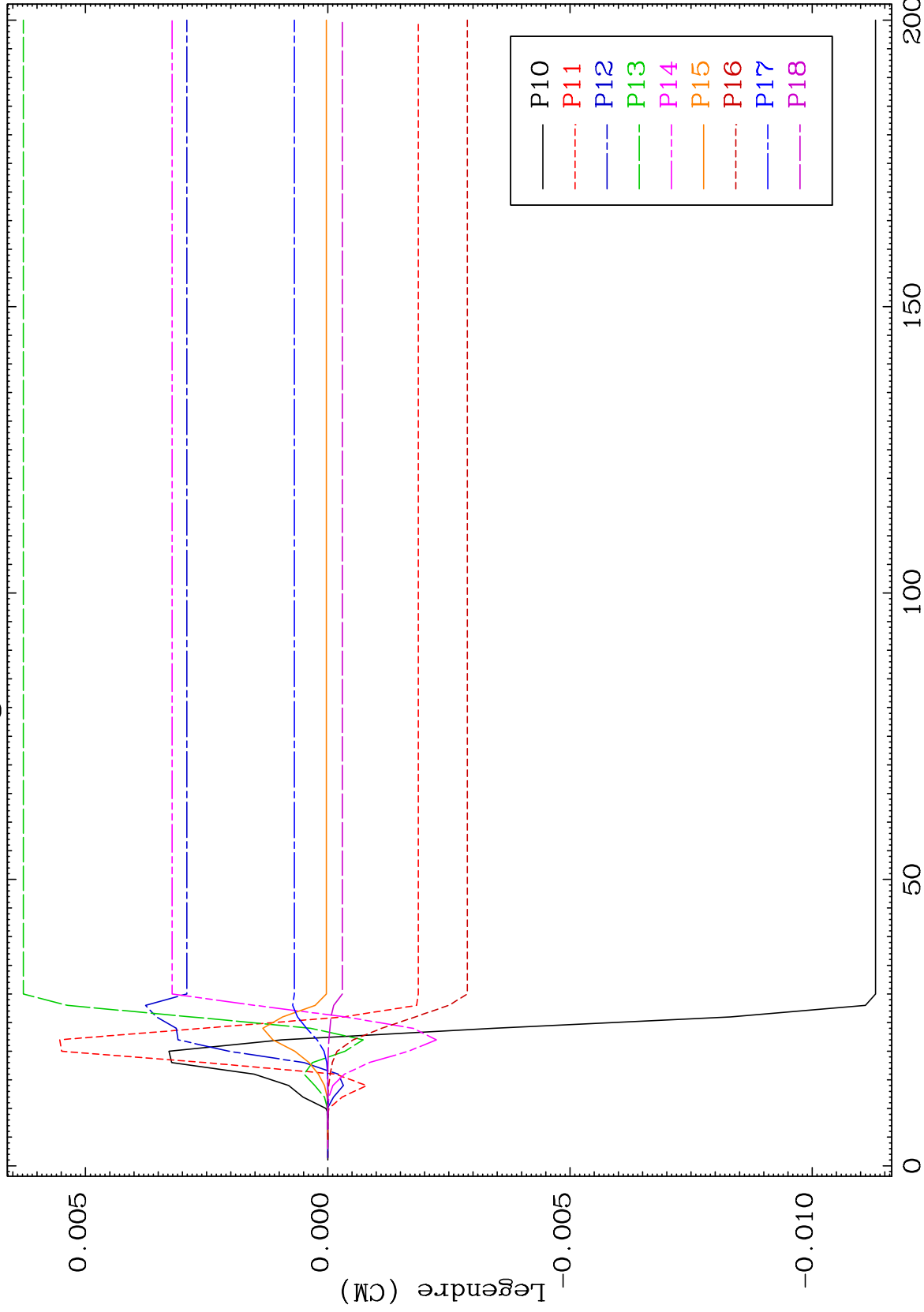
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168



33

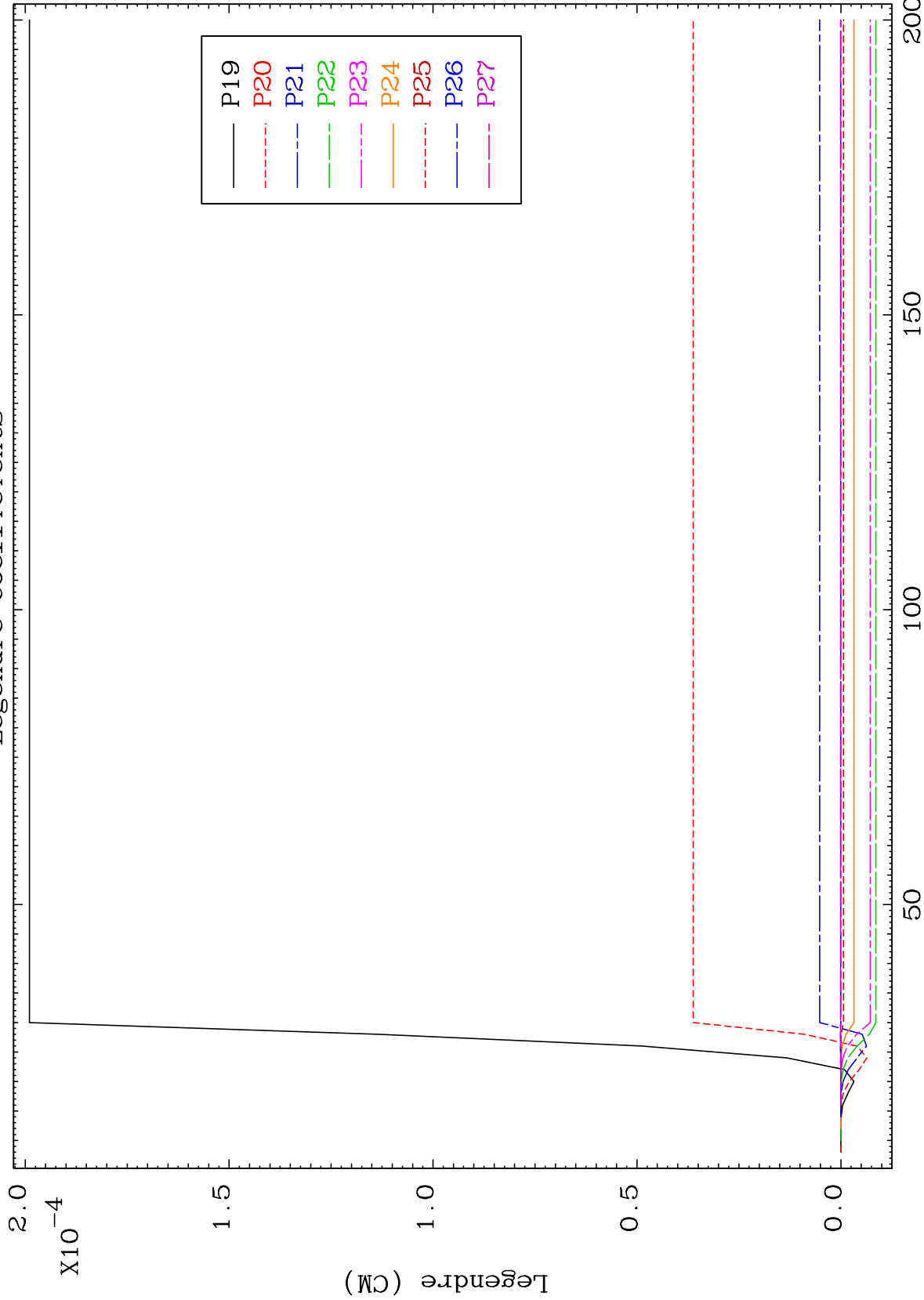
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168



34

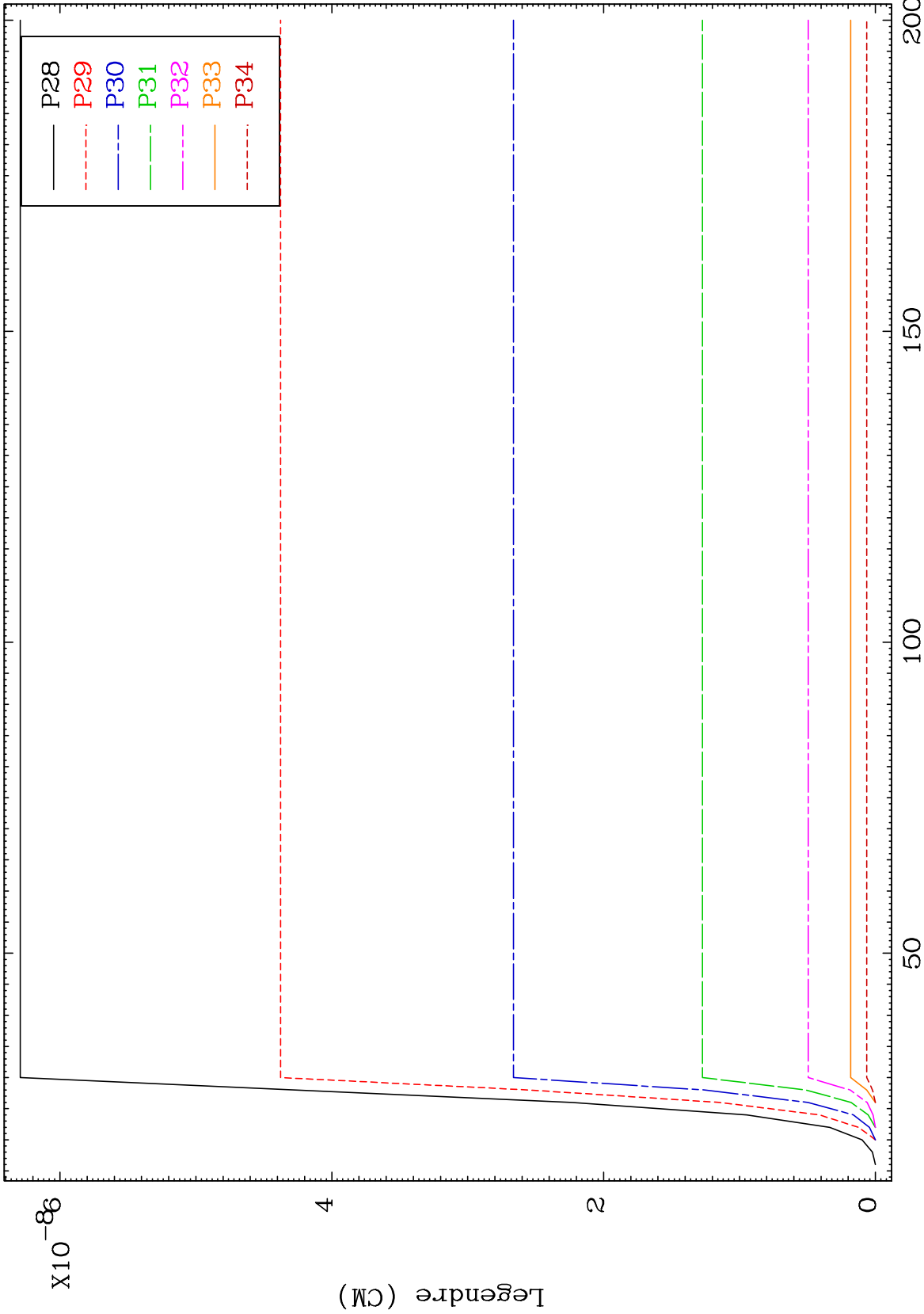
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168



35

Incident Energy (MeV)

70-Yb-168

200

150

100

50

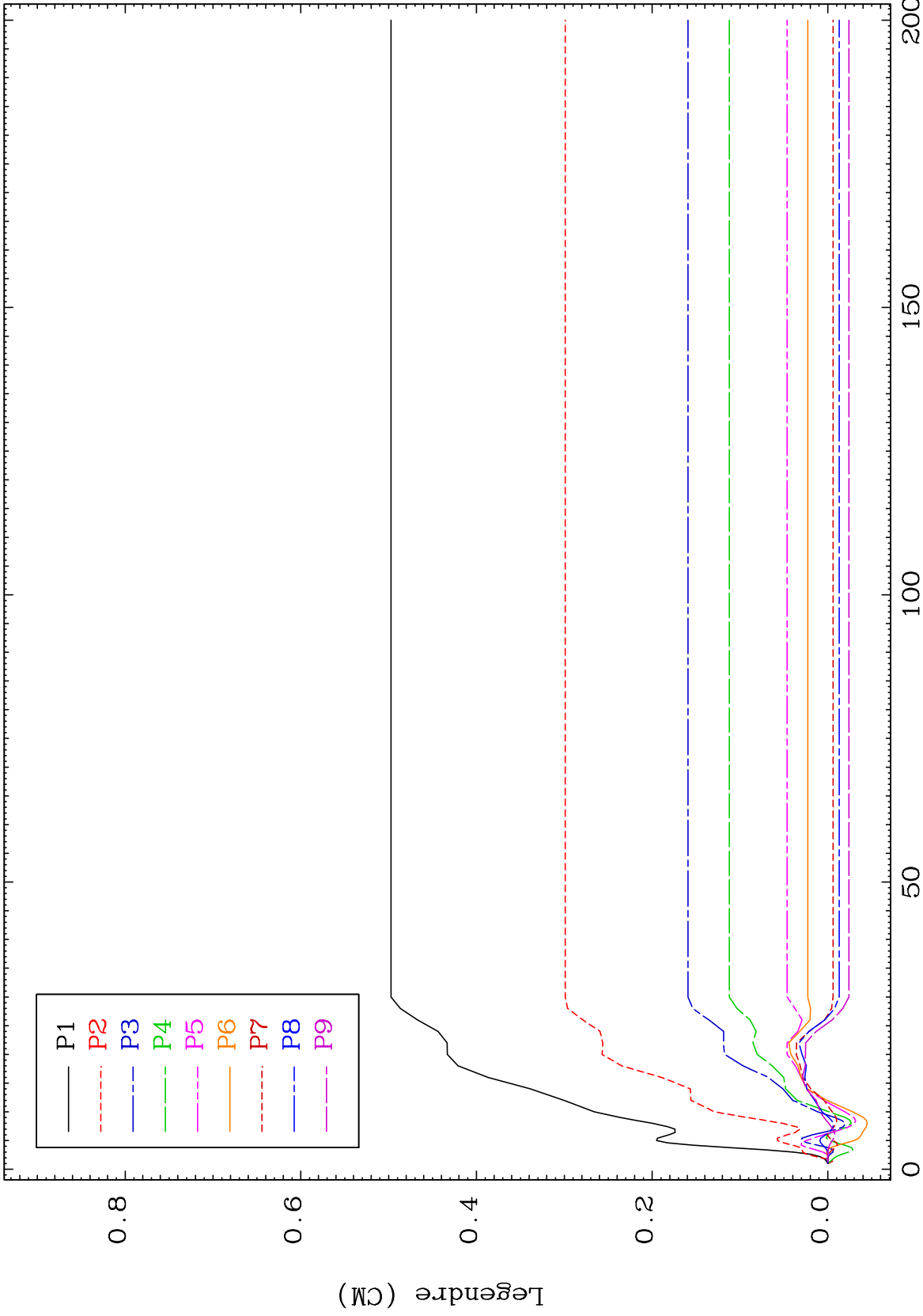
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Legendre (CM)

MAT 7025

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

70-Yb-168

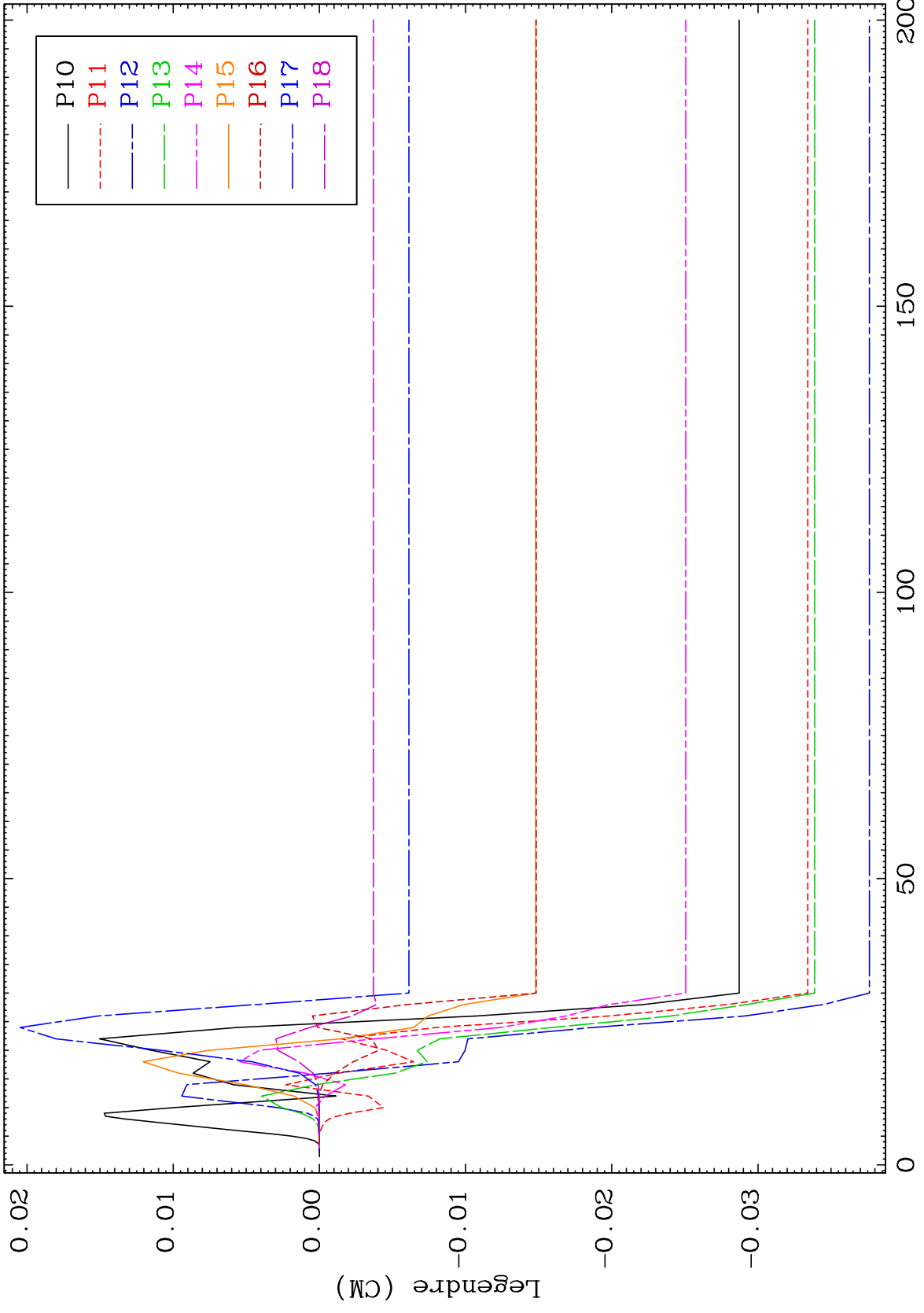


36

Incident Energy (MeV)

70-Yb-168

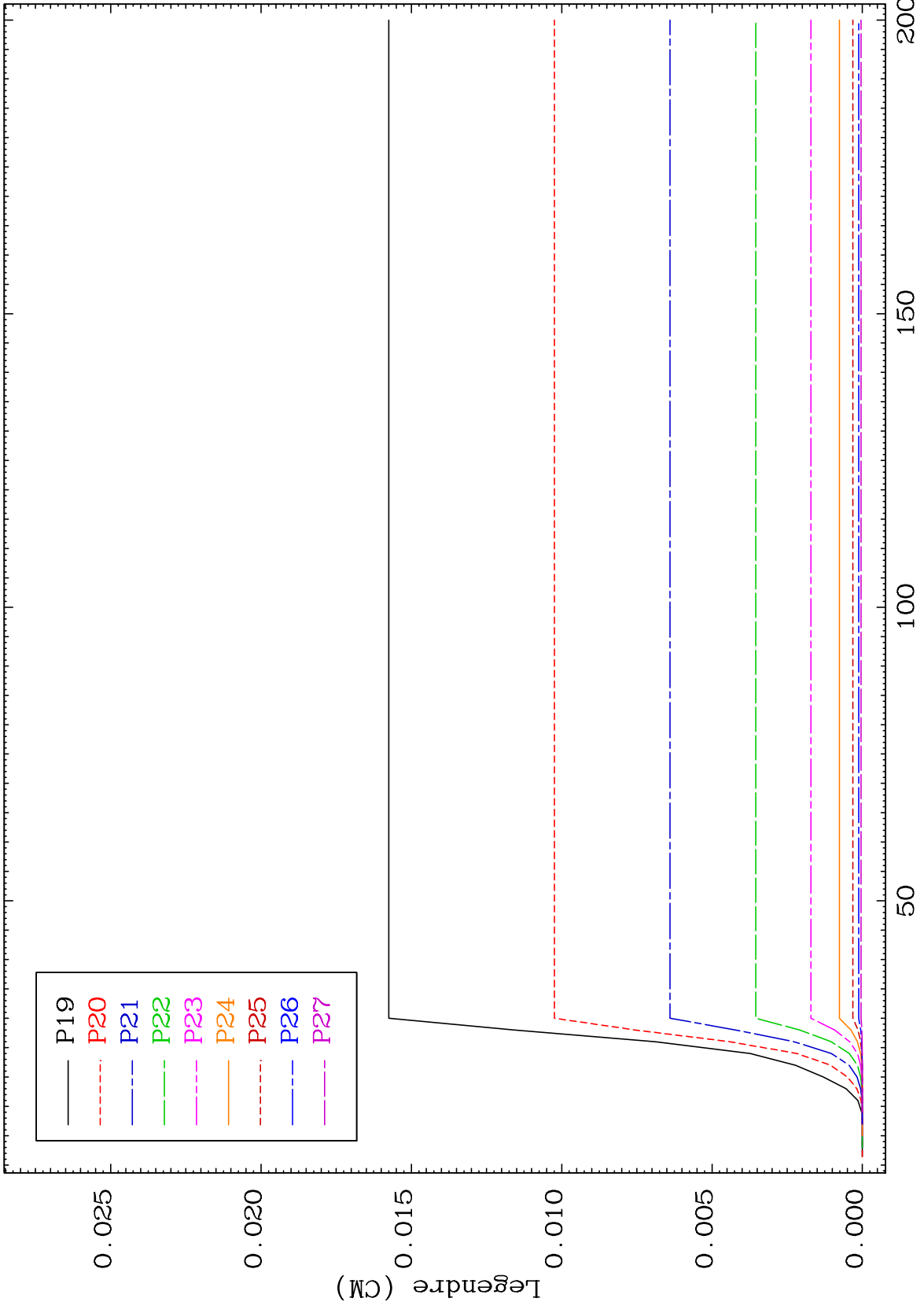
MAT 7025 MT= 55 (n,n') Level Legendre Coefficients 70-Yb-168



MAT 7025

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

70-Yb-168



38

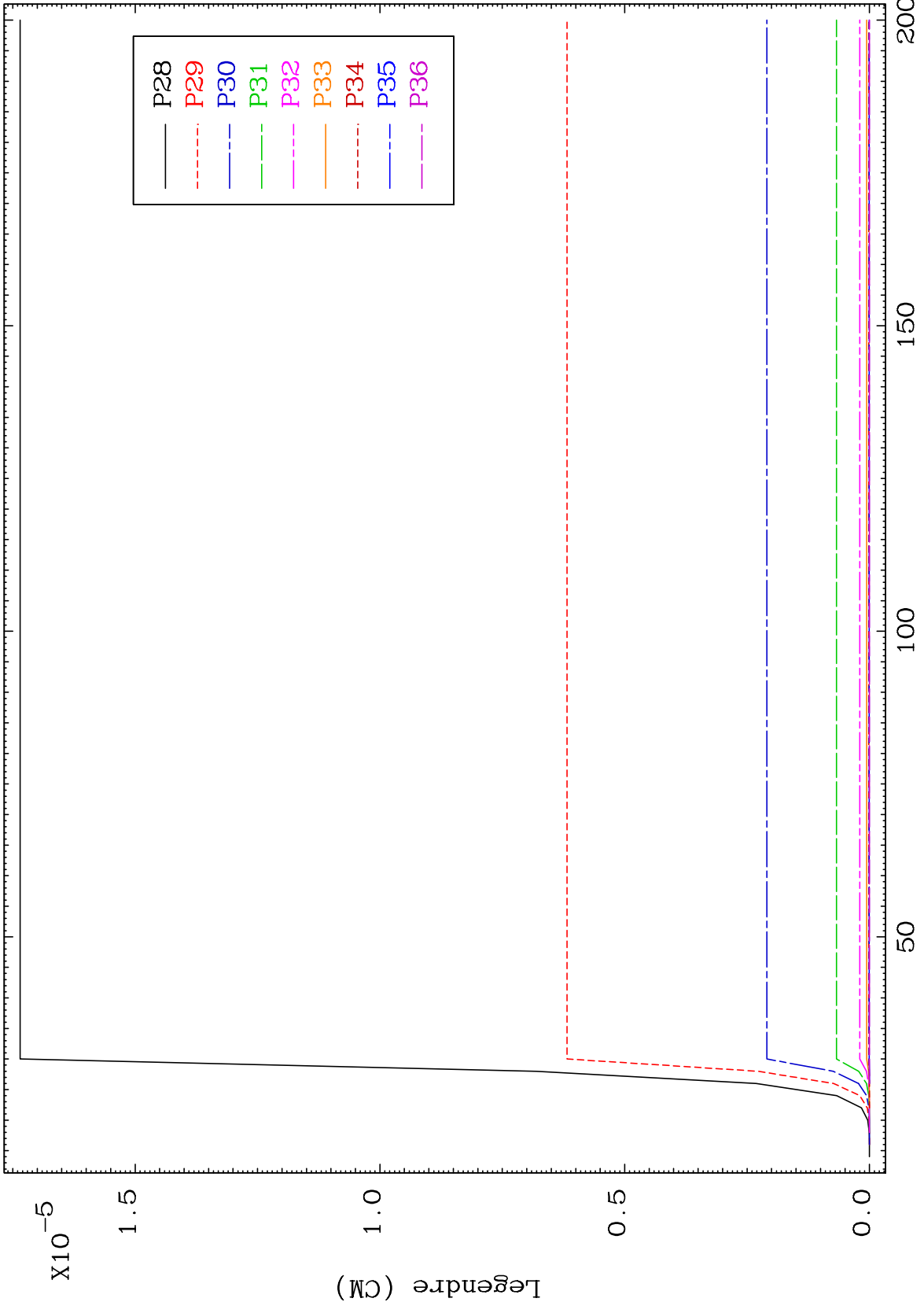
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168



39

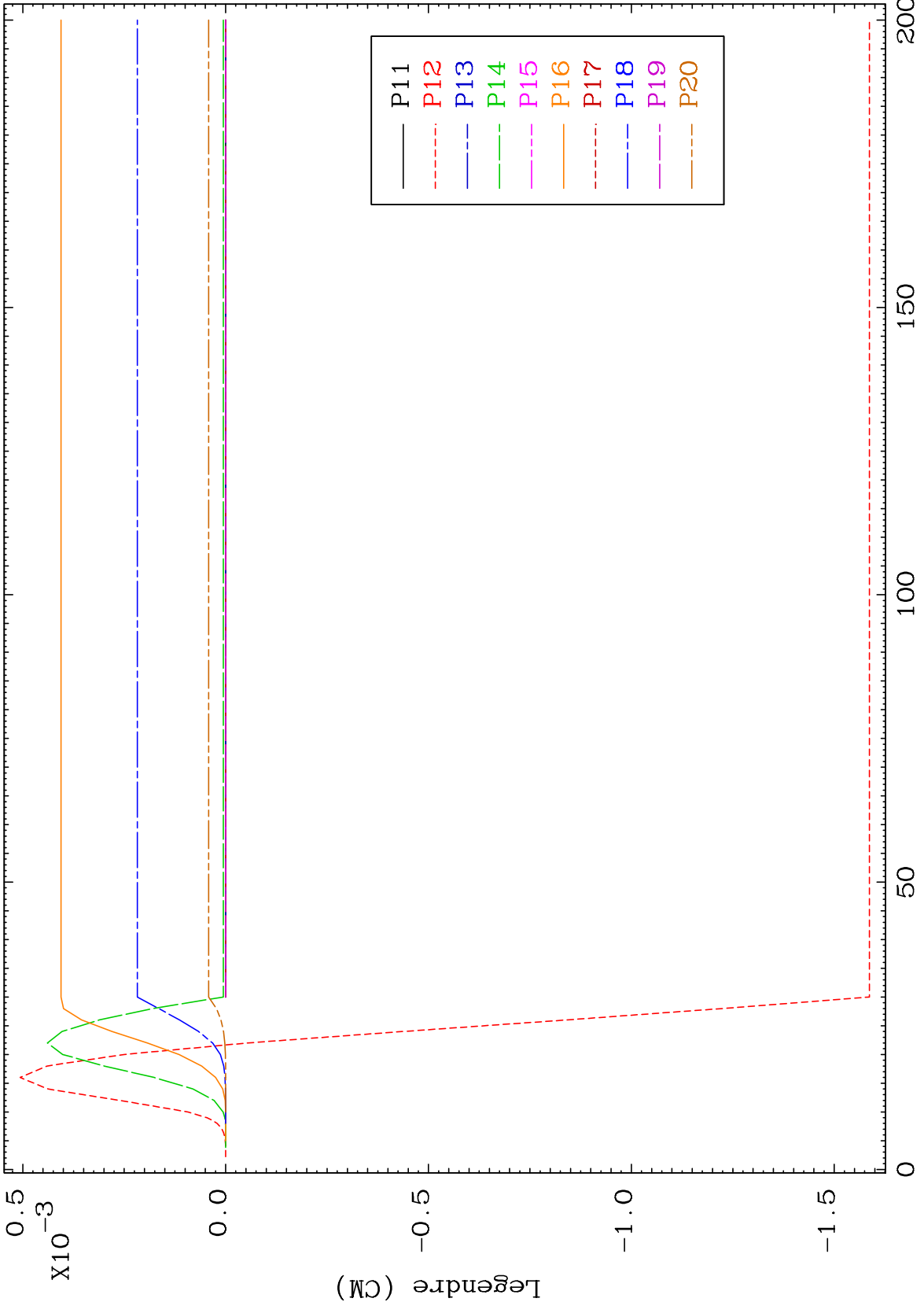
Incident Energy (MeV)

70-Yb-168

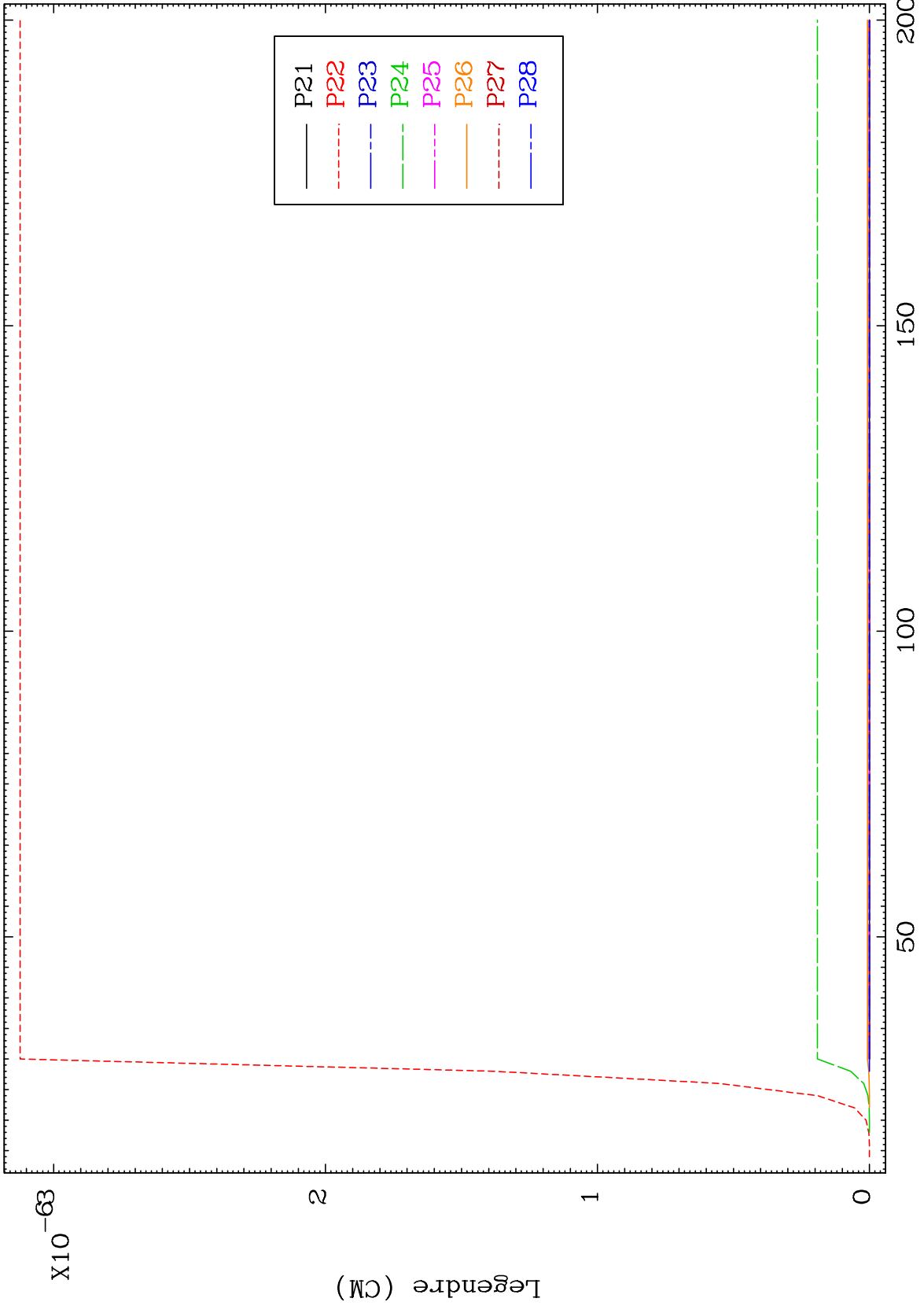
MAT 7025

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

70-Yb-168

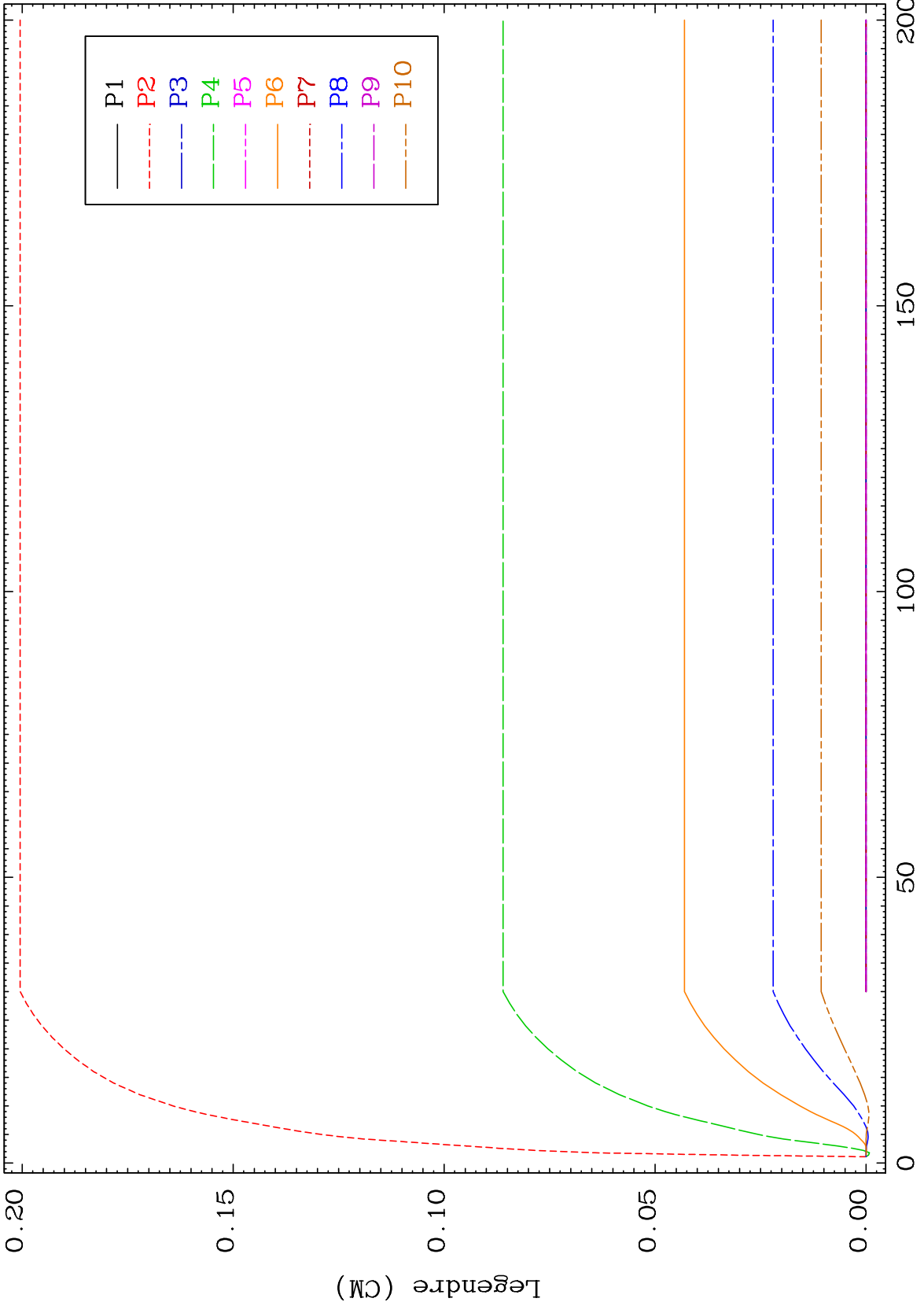


MAT 7025 MT= 56 (n,n') Level Legendre Coefficients 70-Yb-168



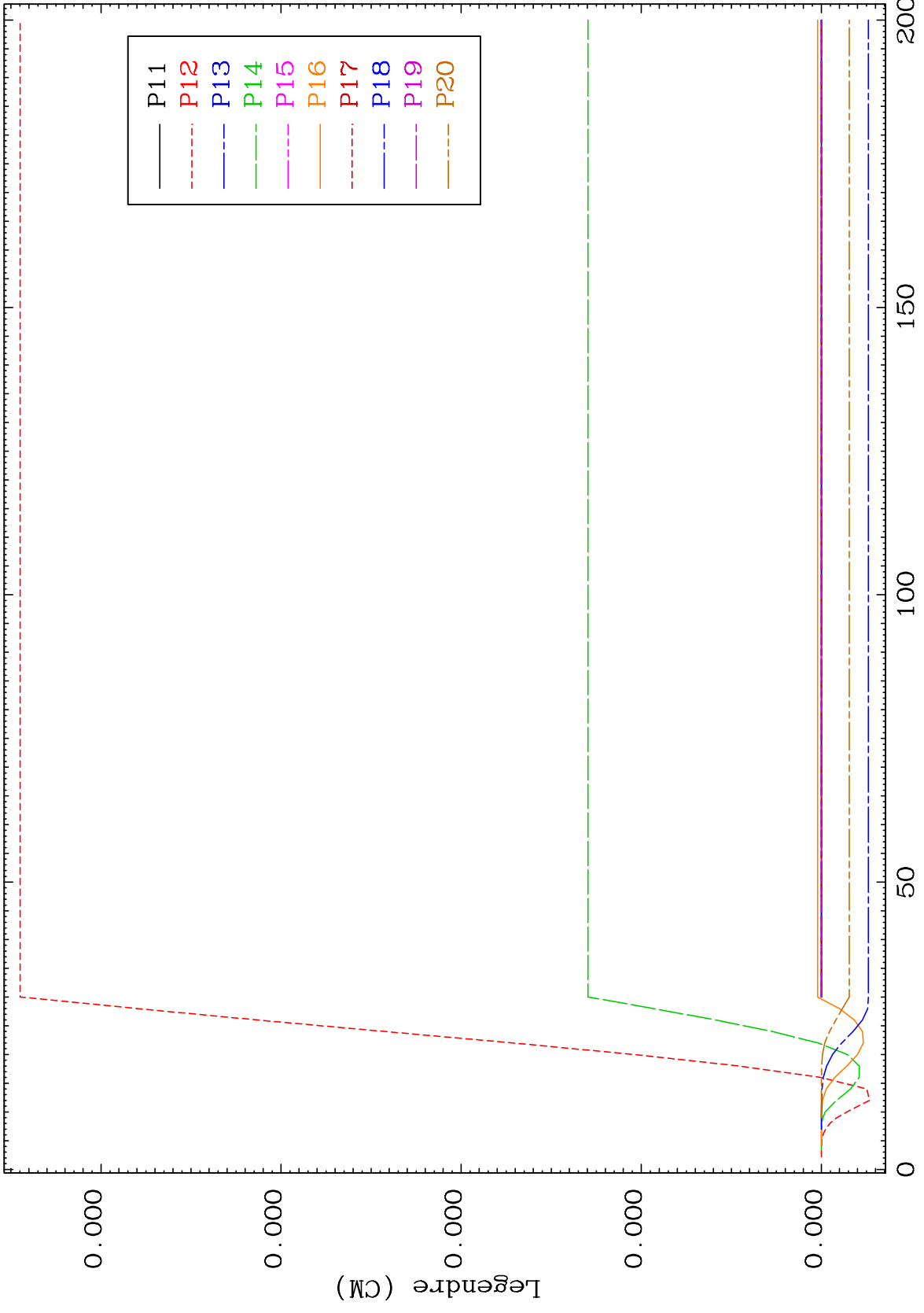
42 50 100 150 200 70-Yb-168

MAT 7025 MT= 57 (n,n') Level Legendre Coefficients 70-Yb-168

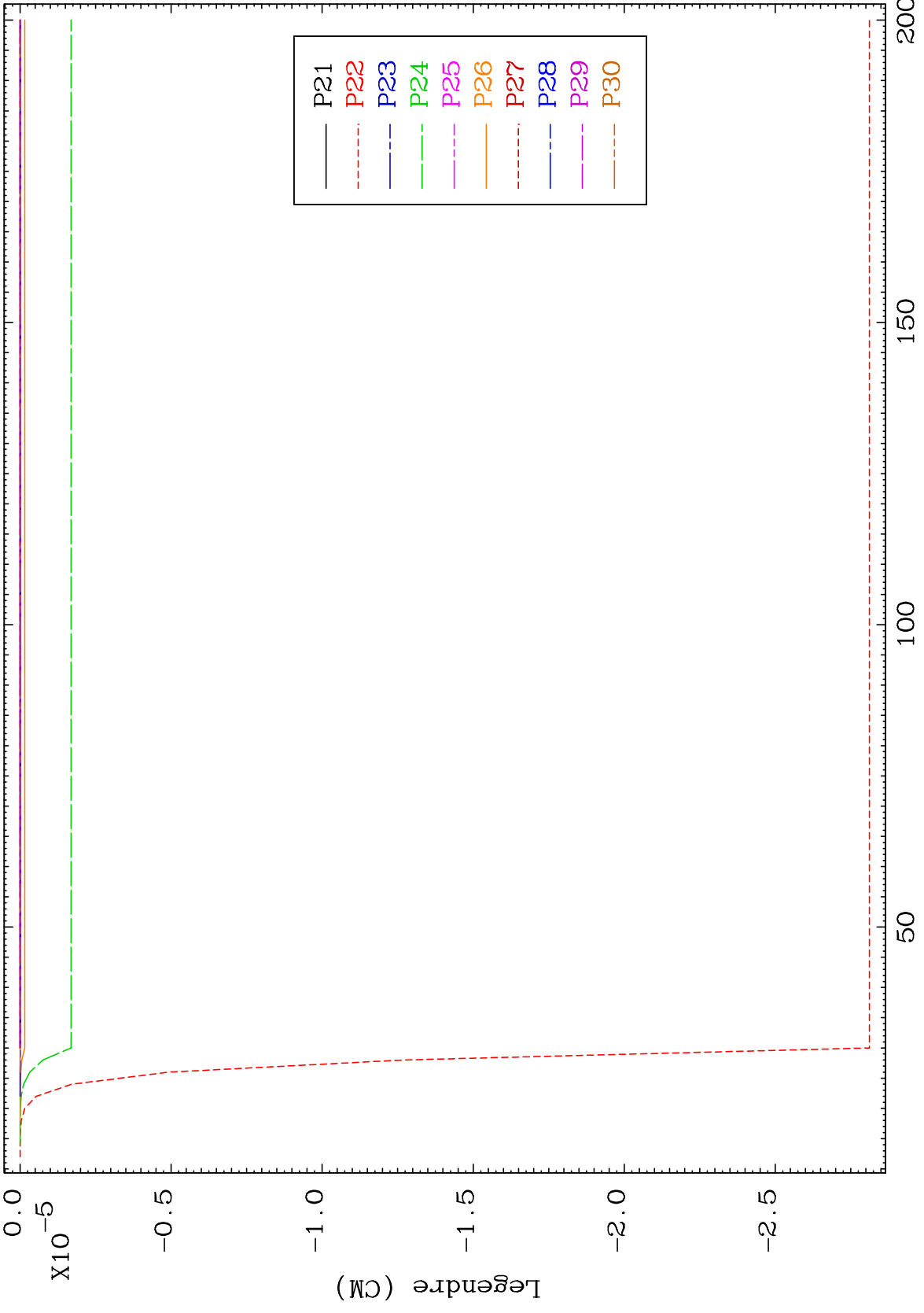


43 70-Yb-168

MAT 7025 MT= 57 (n,n') Level Legendre Coefficients 70-Yb-168

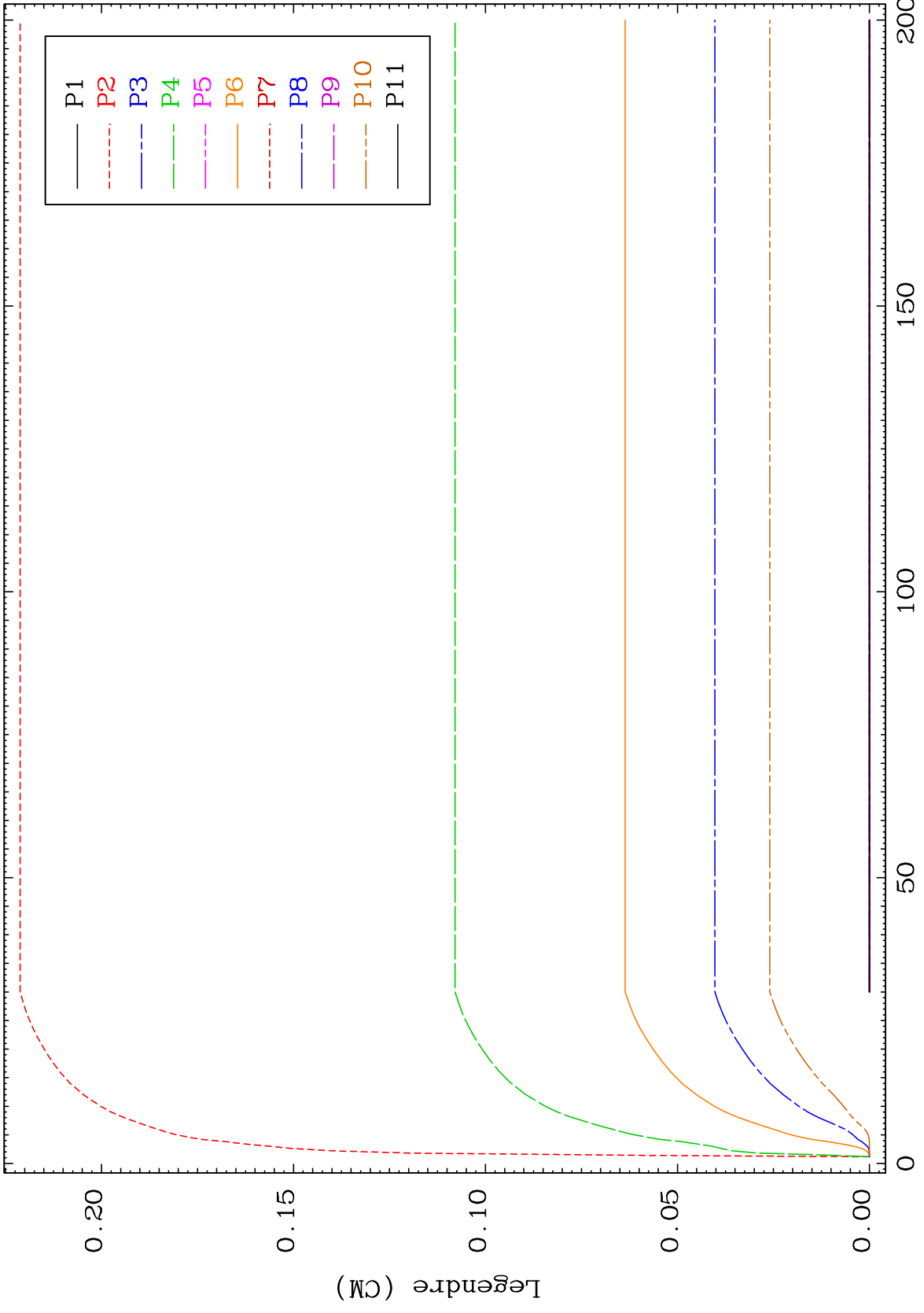


MAT 7025 MT= 57 (n,n') Level Legendre Coefficients 70-Yb-168



45 Incident Energy (MeV) 70-Yb-168

MAT 7025 MT= 58 (n,n') Level Legendre Coefficients 70-Yb-168

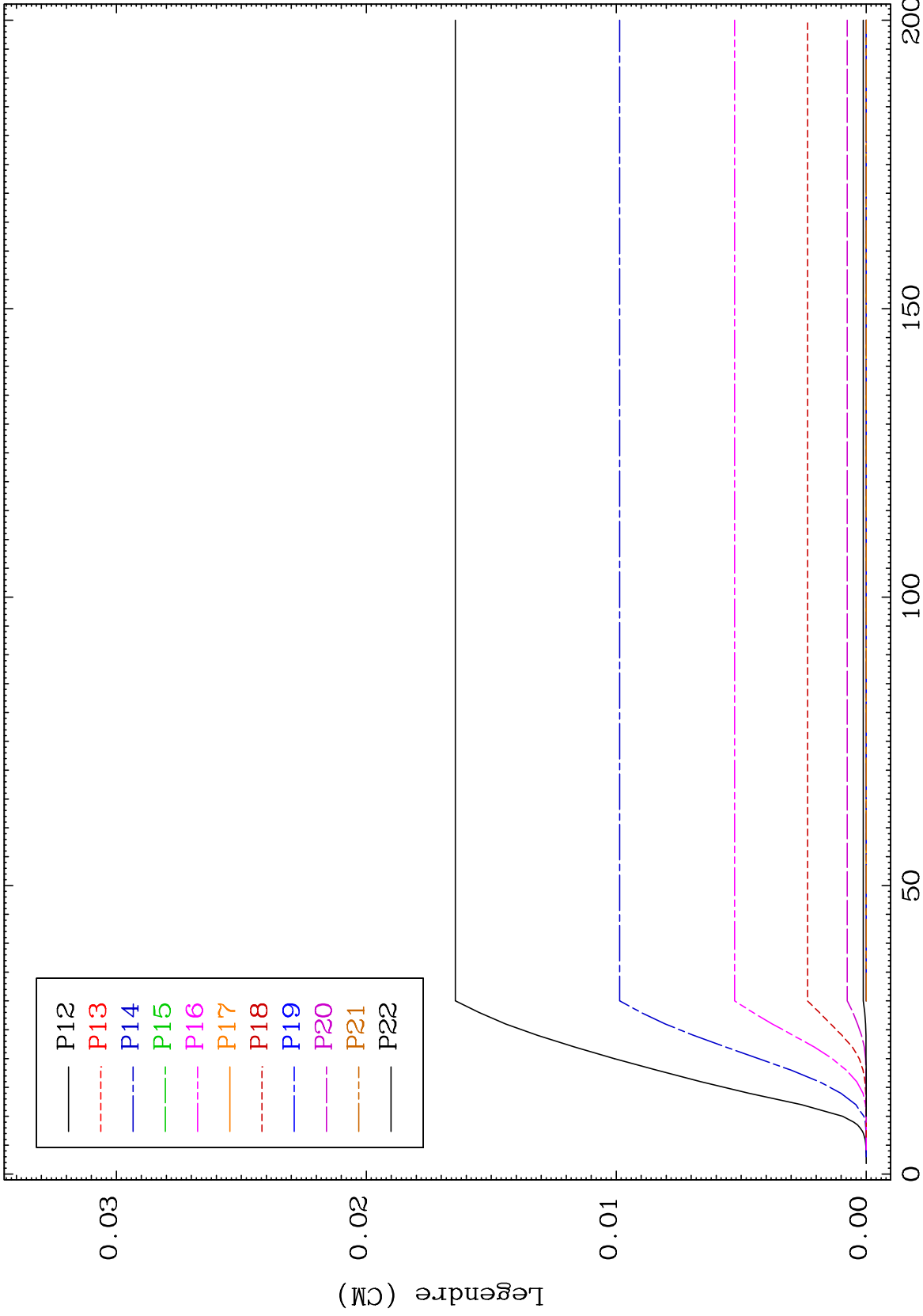


46 70-Yb-168

MAT 7025

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

70-Yb-168

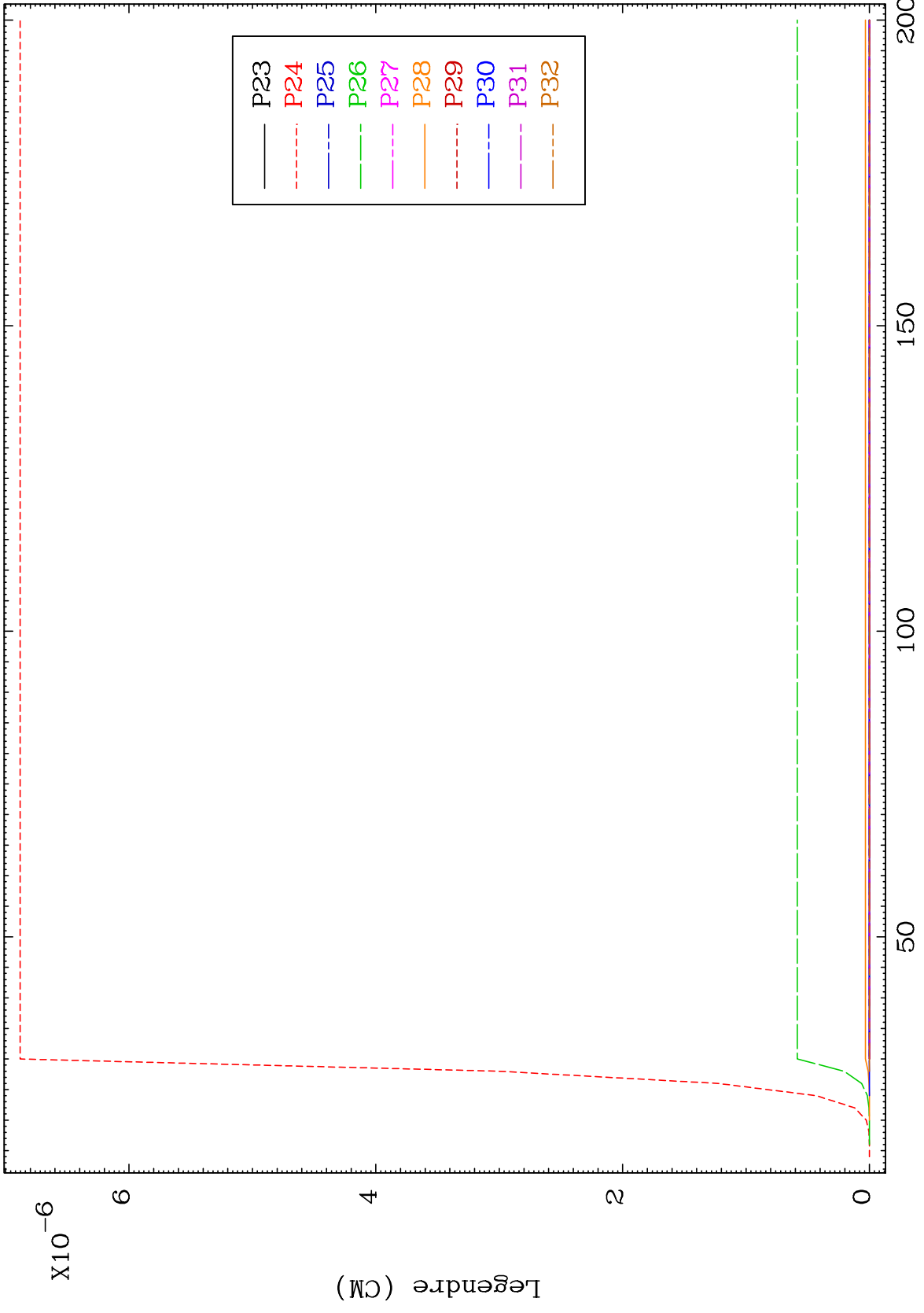


47

Incident Energy (MeV)

70-Yb-168

MAT 7025 MT= 58 (n,n') Level Legendre Coefficients 70-Yb-168

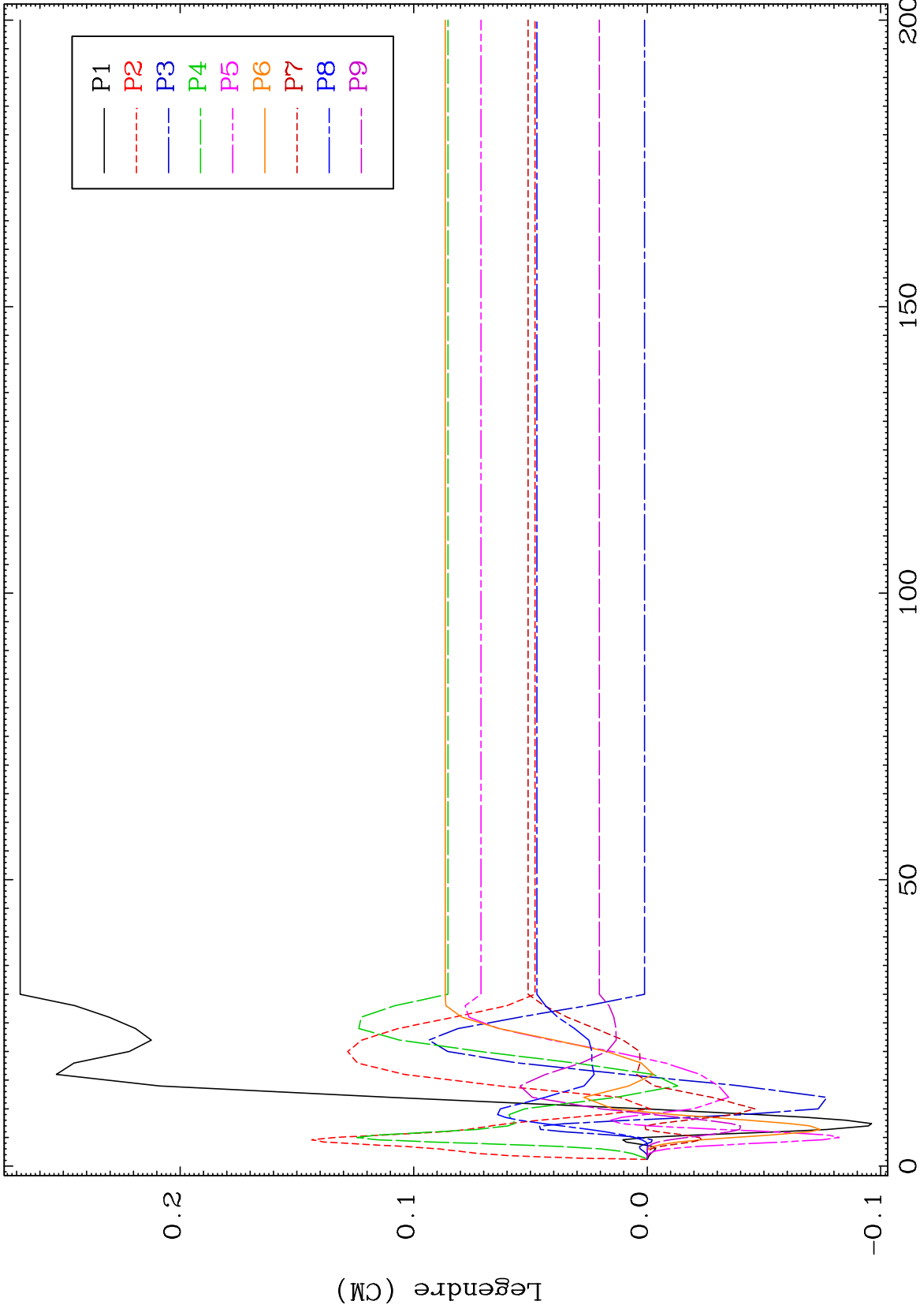


48 50 100 150 200 70-Yb-168

MAT 7025

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

70-Yb-168



49

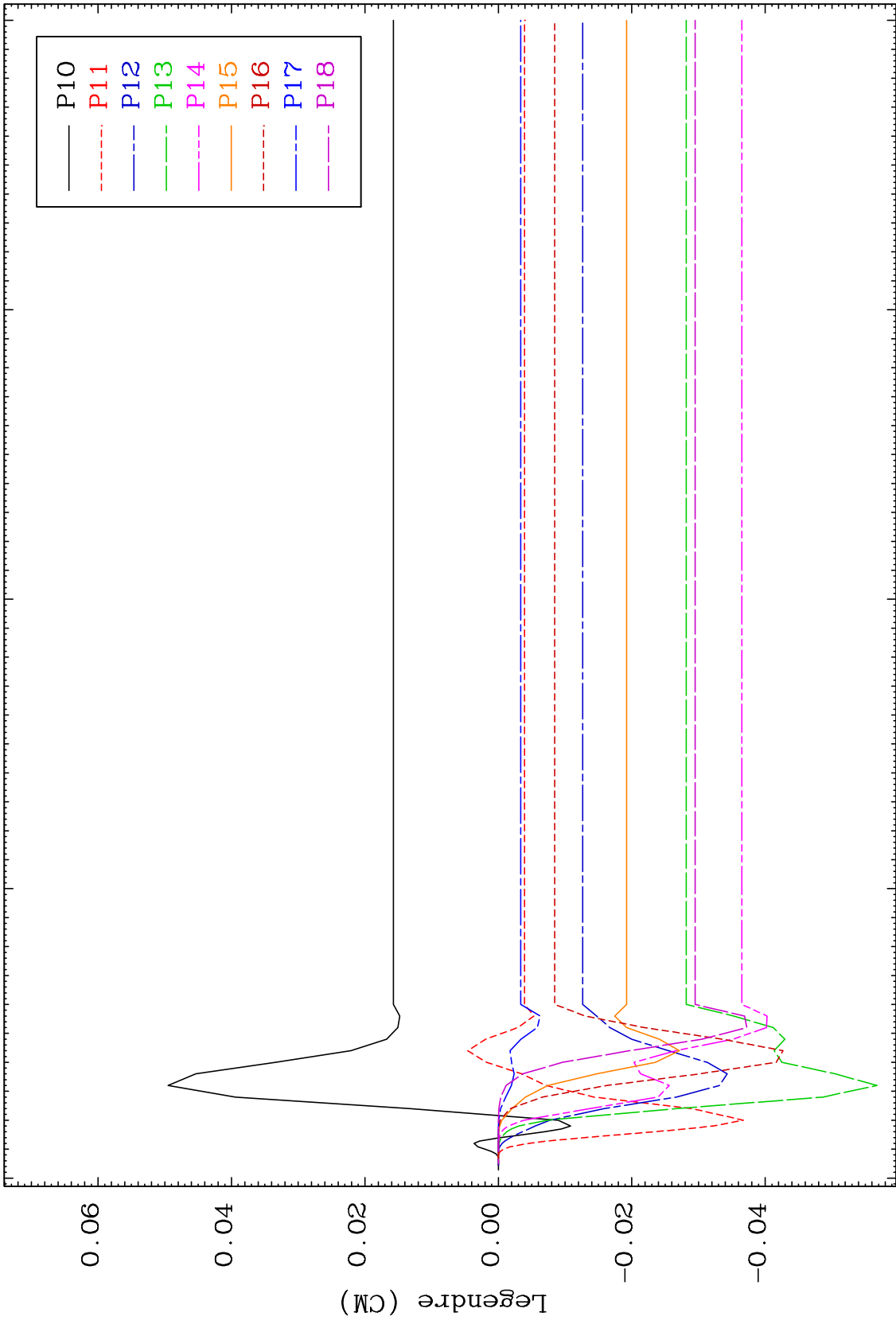
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168



70-Yb-168

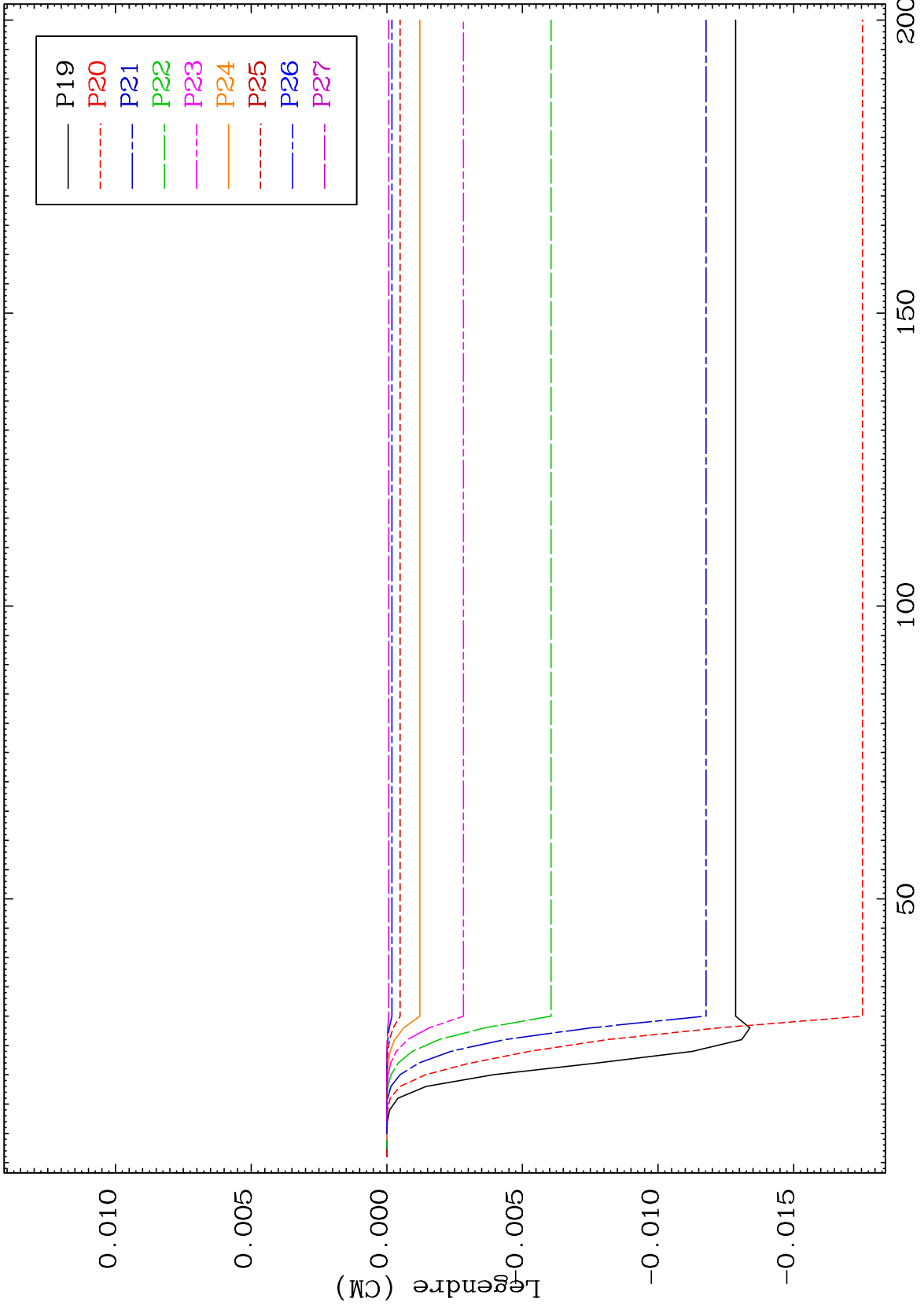
Incident Energy (MeV)

50

MAT 7025

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

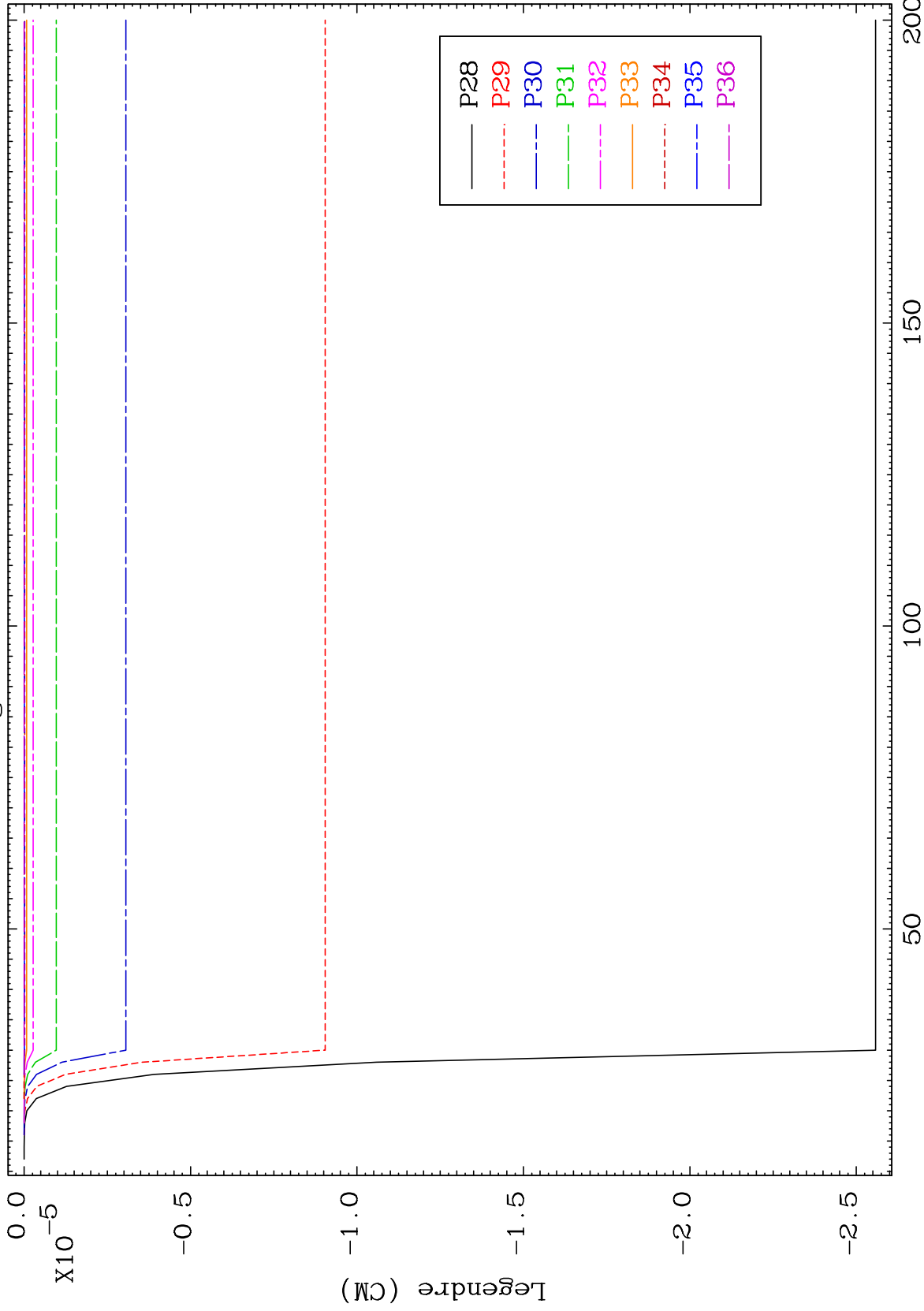
70-Yb-168



51

Incident Energy (MeV)

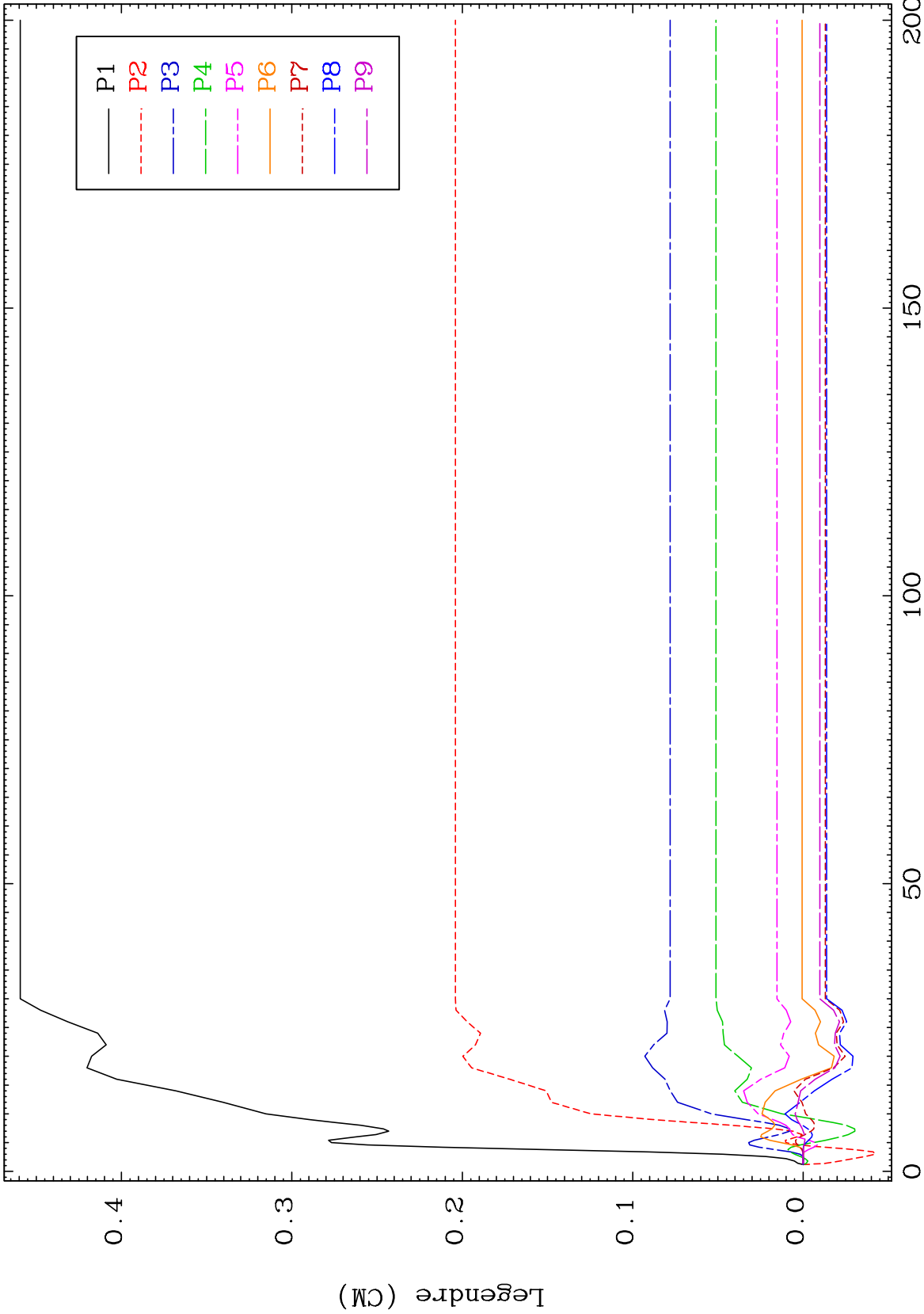
70-Yb-168



MAT 7025

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

70-Yb-168



53

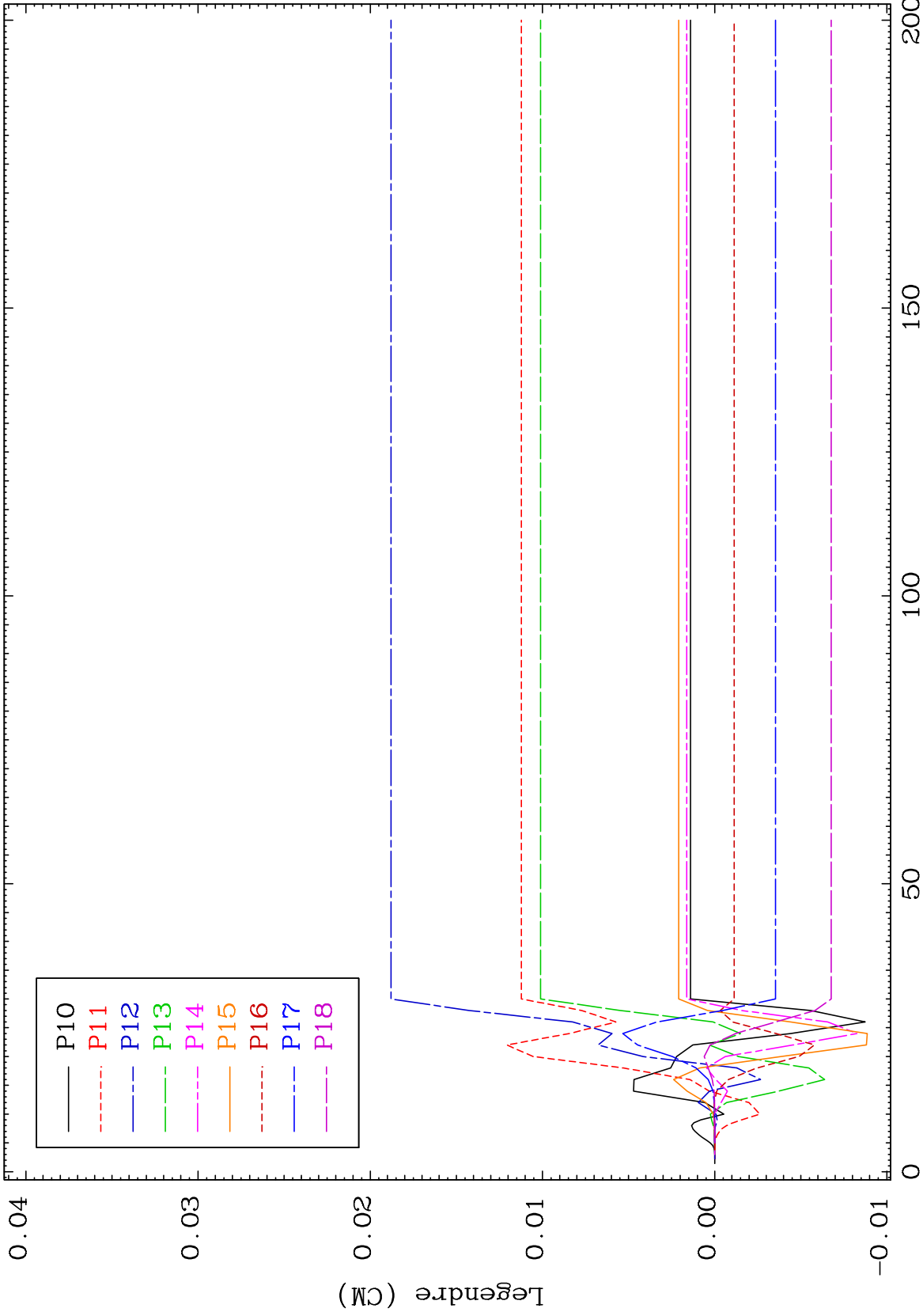
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168

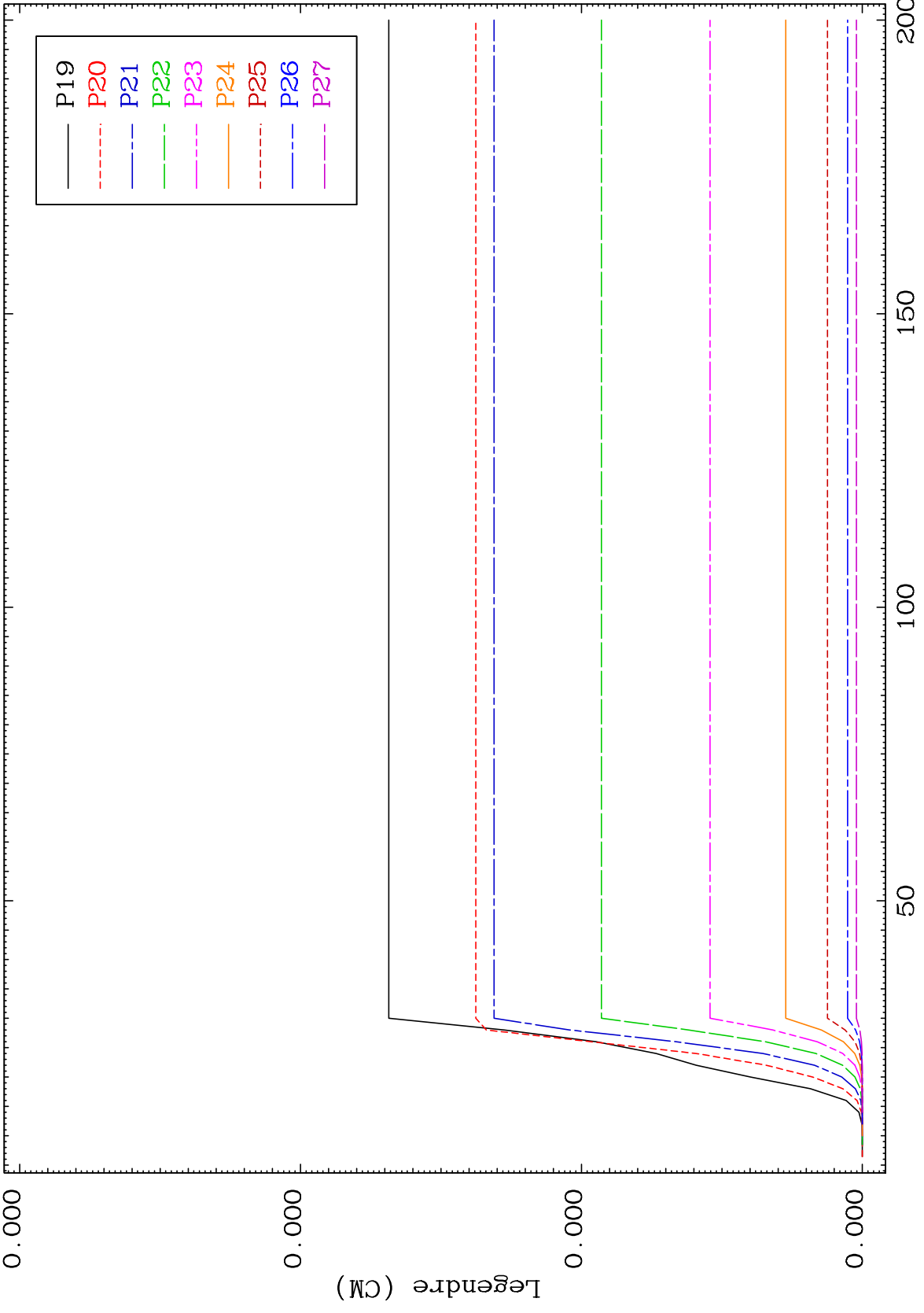


54

Incident Energy (MeV)

70-Yb-168

MAT 7025 MT= 60 (n,n') Level Legendre Coefficients 70-Yb-168

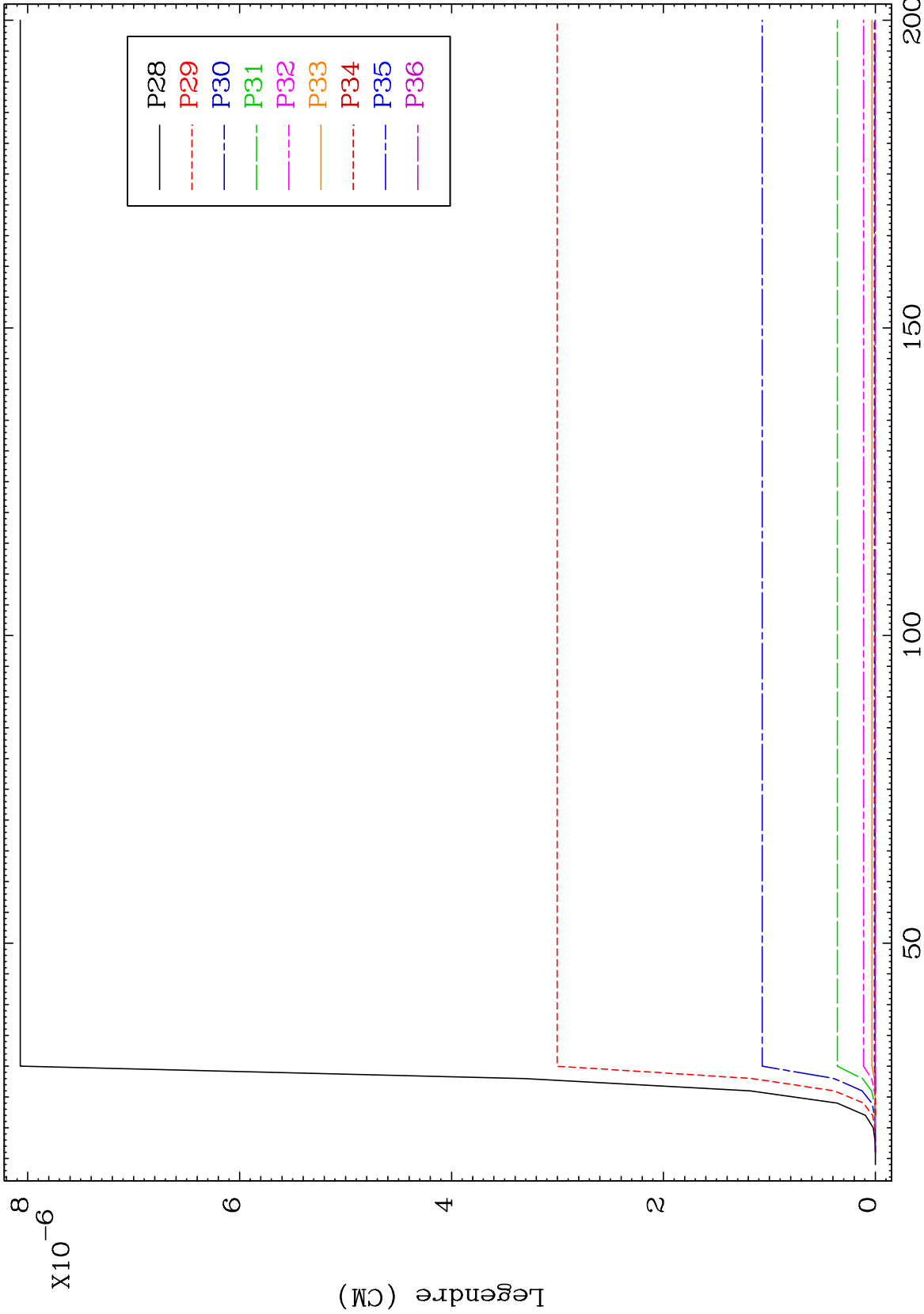


55 Incident Energy (MeV) 70-Yb-168

MAT 7025

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

70-Yb-168

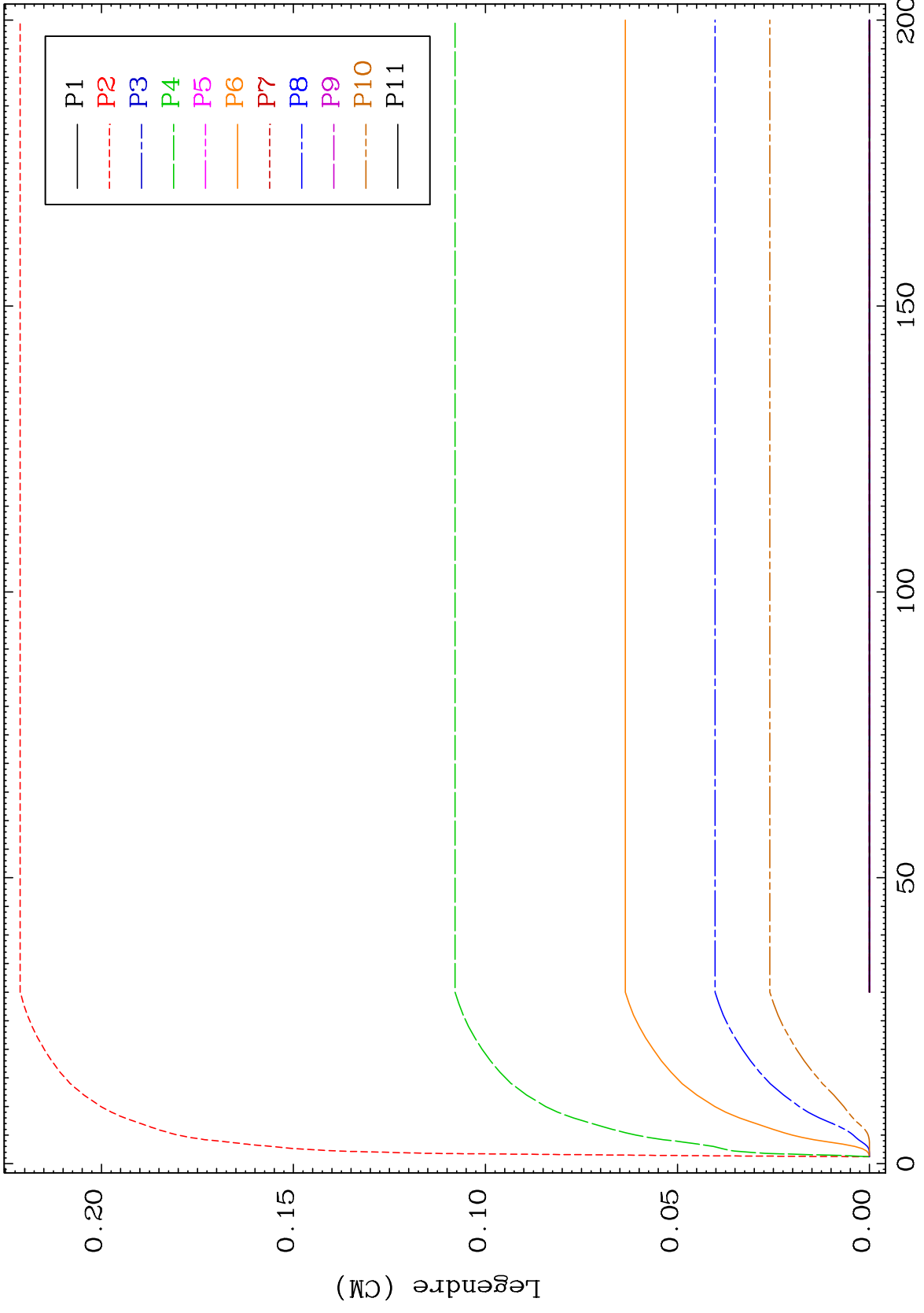


56

Incident Energy (MeV)

70-Yb-168

MAT 7025 MT= 61 (n,n') Level Legendre Coefficients 70-Yb-168

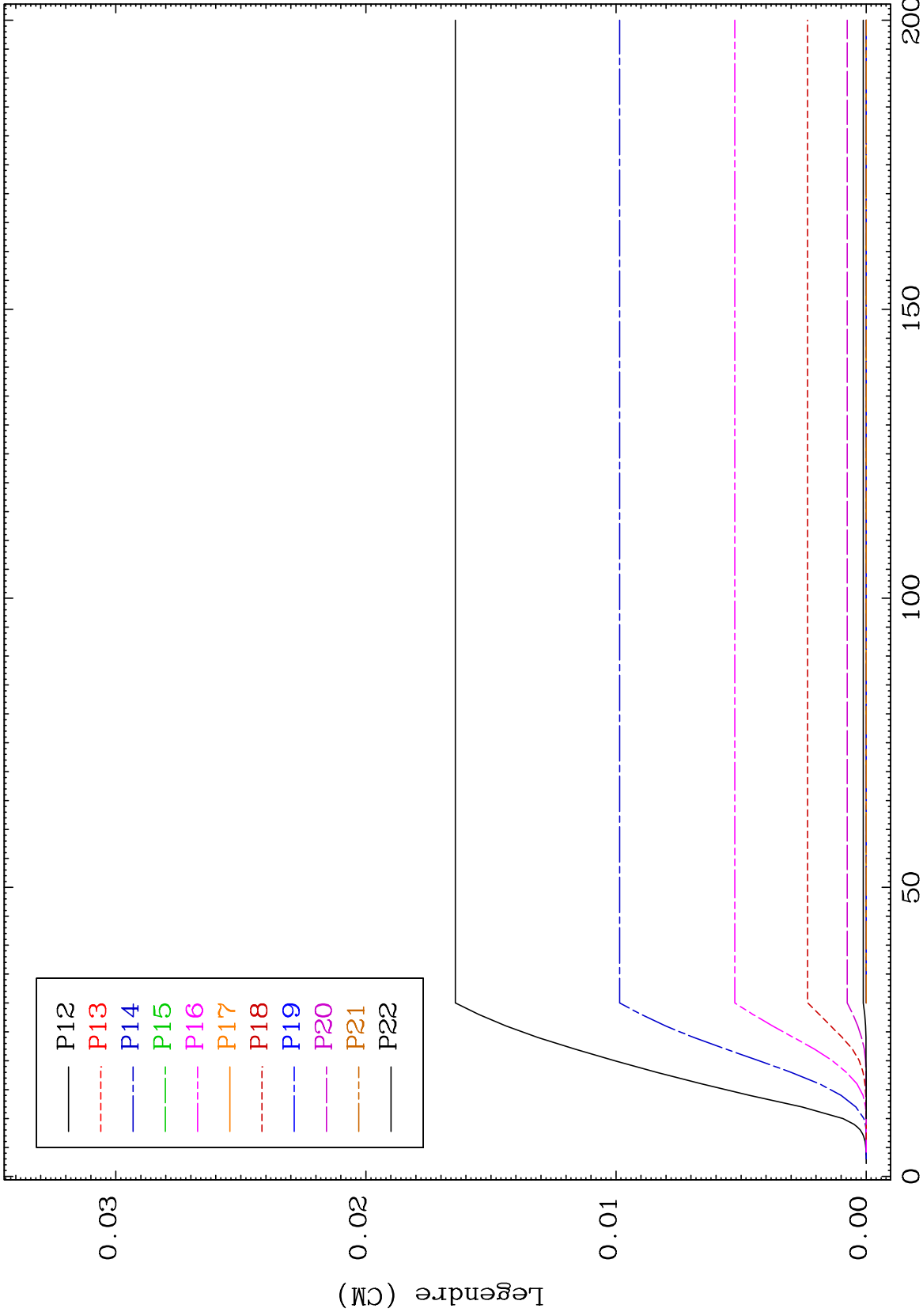


57 Incident Energy (MeV) 70-Yb-168

MAT 7025

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

70-Yb-168



58

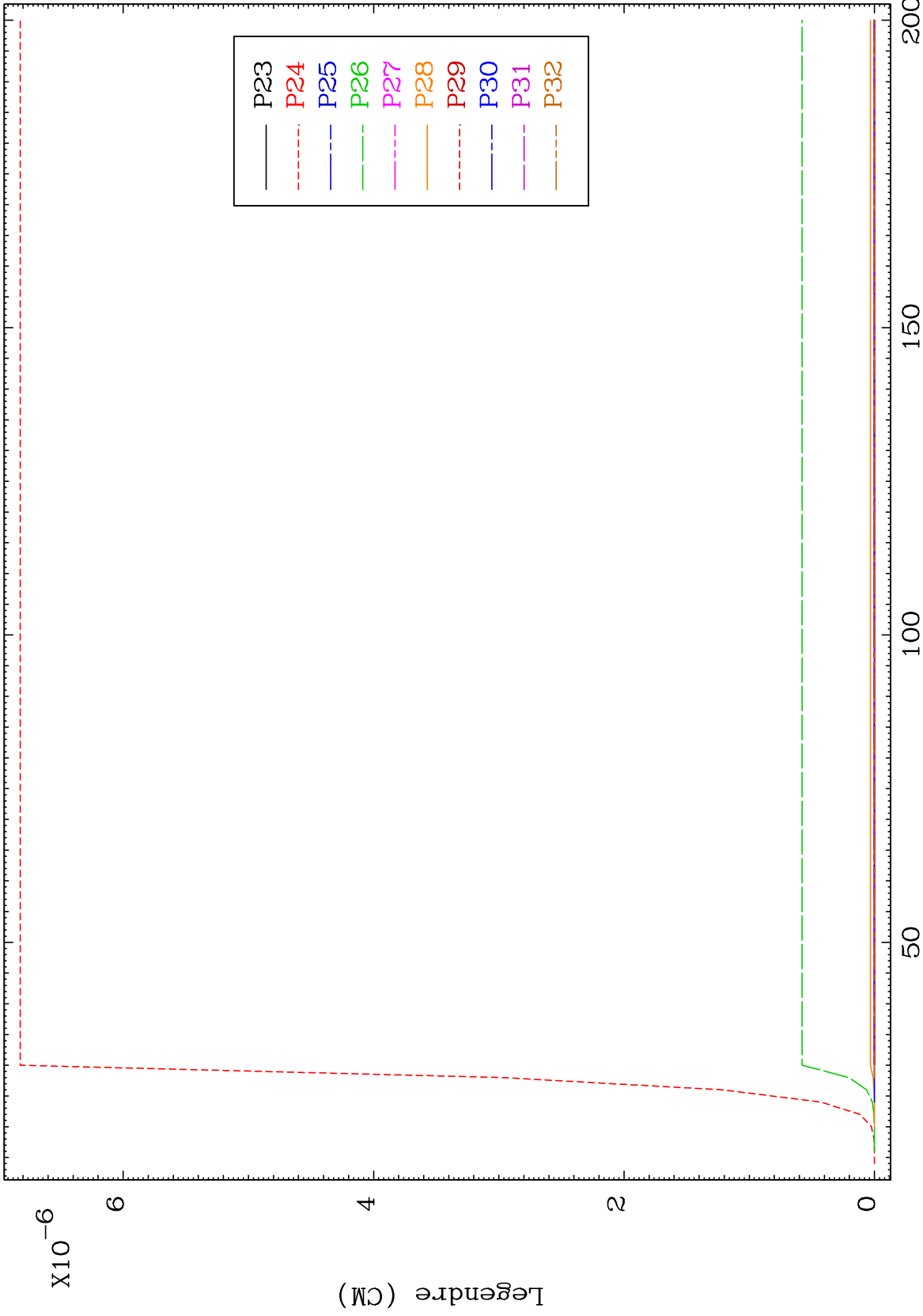
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168



59

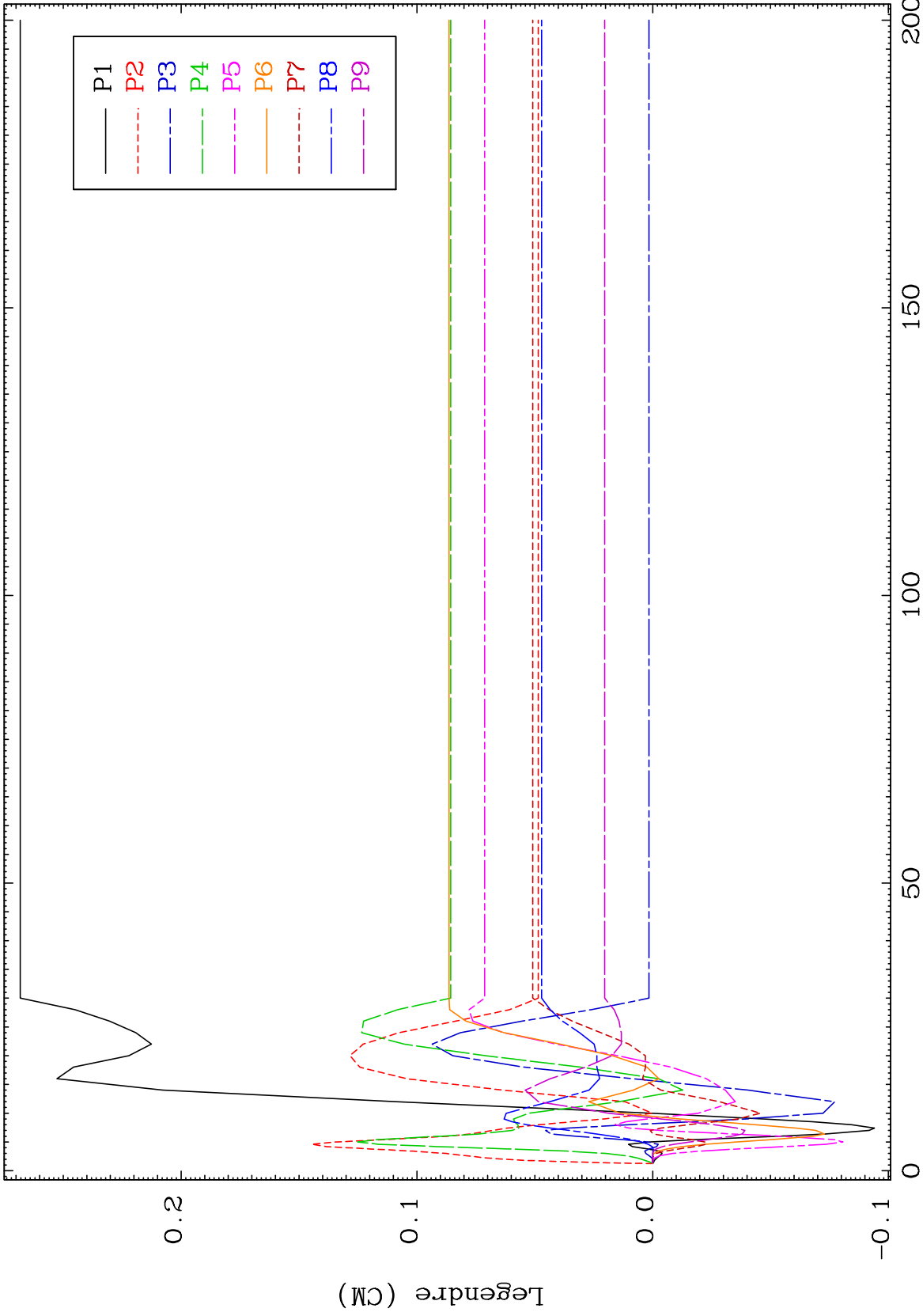
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168



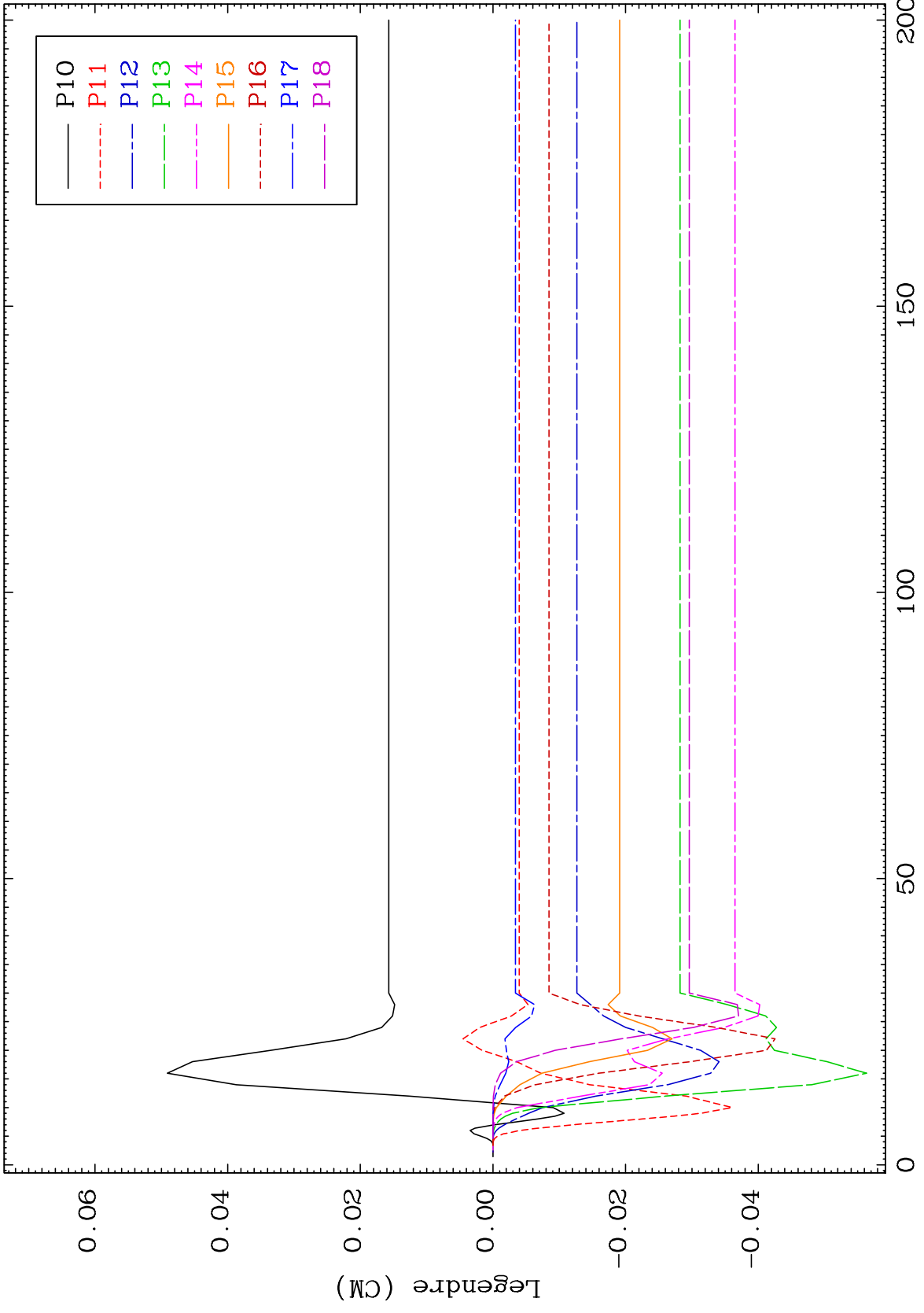
70-Yb-168

Incident Energy (MeV)

MAT 7025

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

70-Yb-168



61

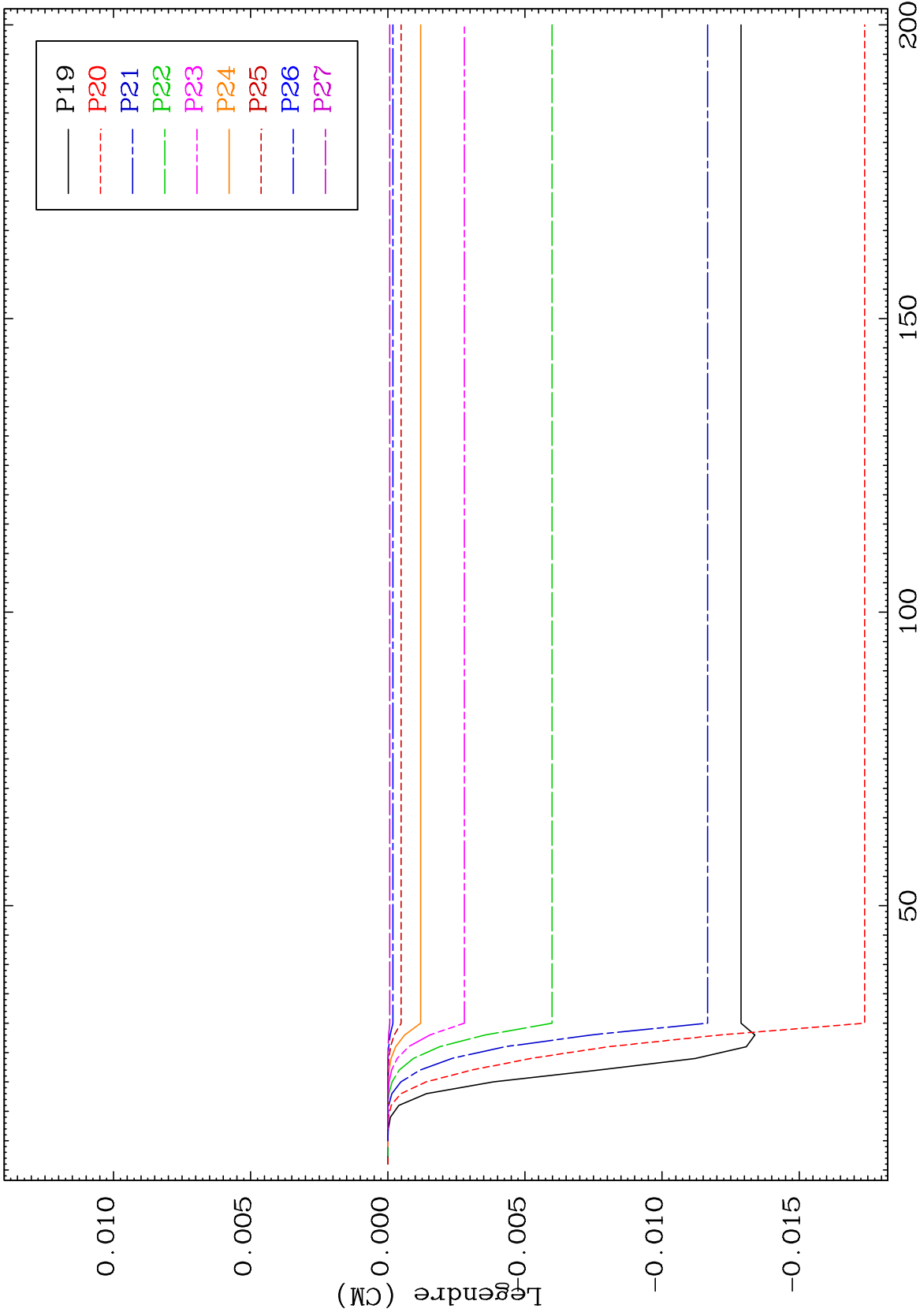
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168



62

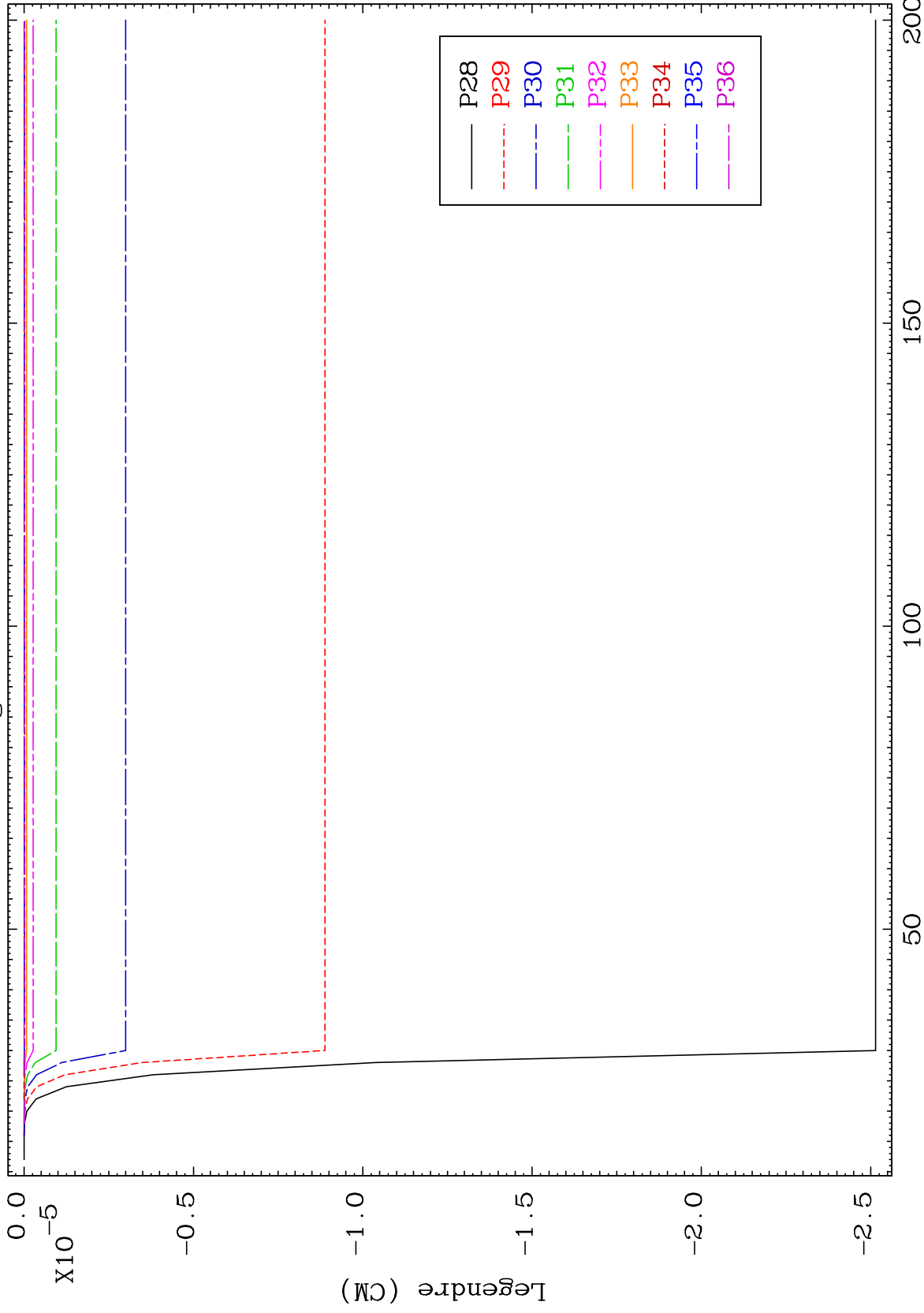
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168



63

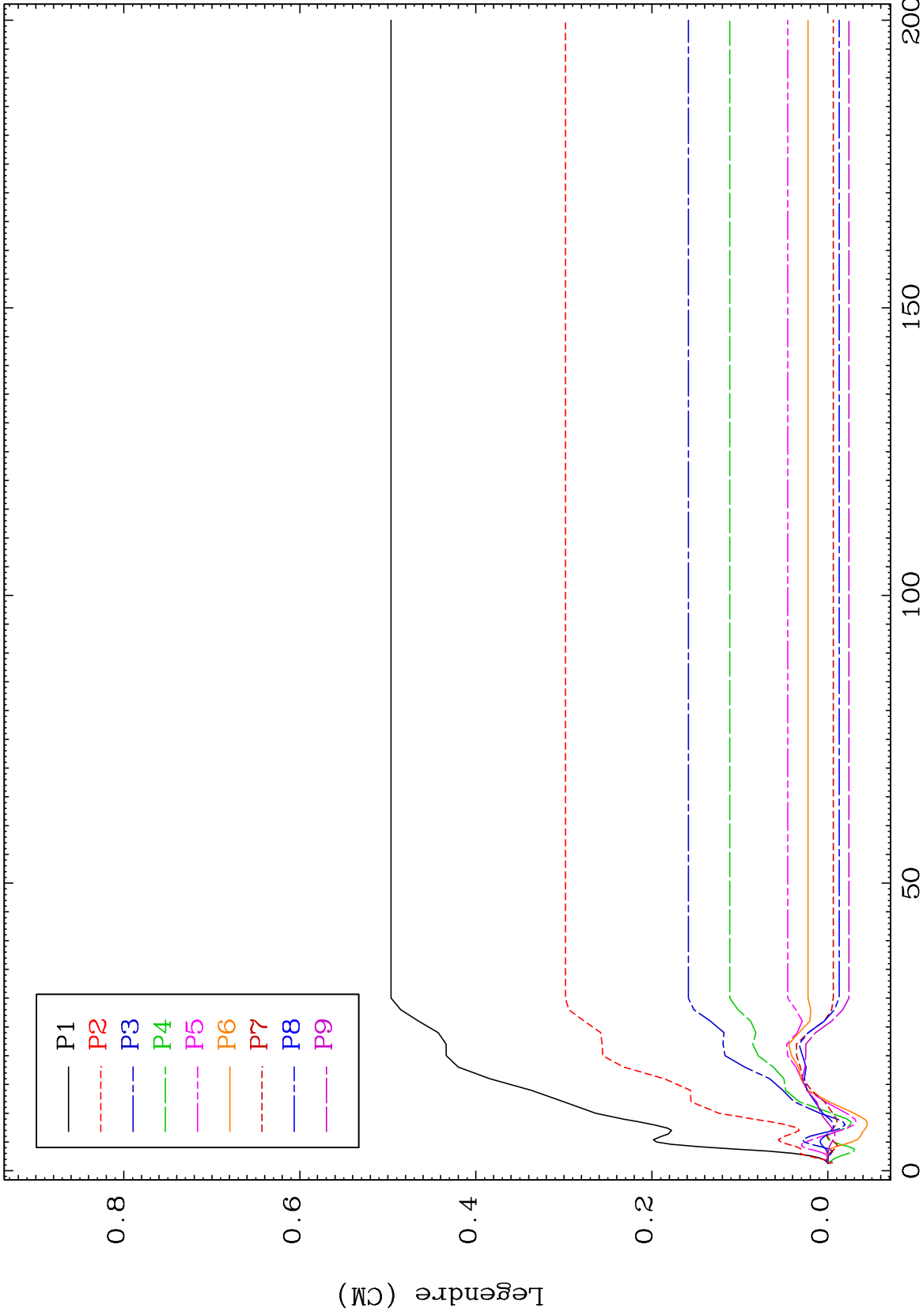
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168



64

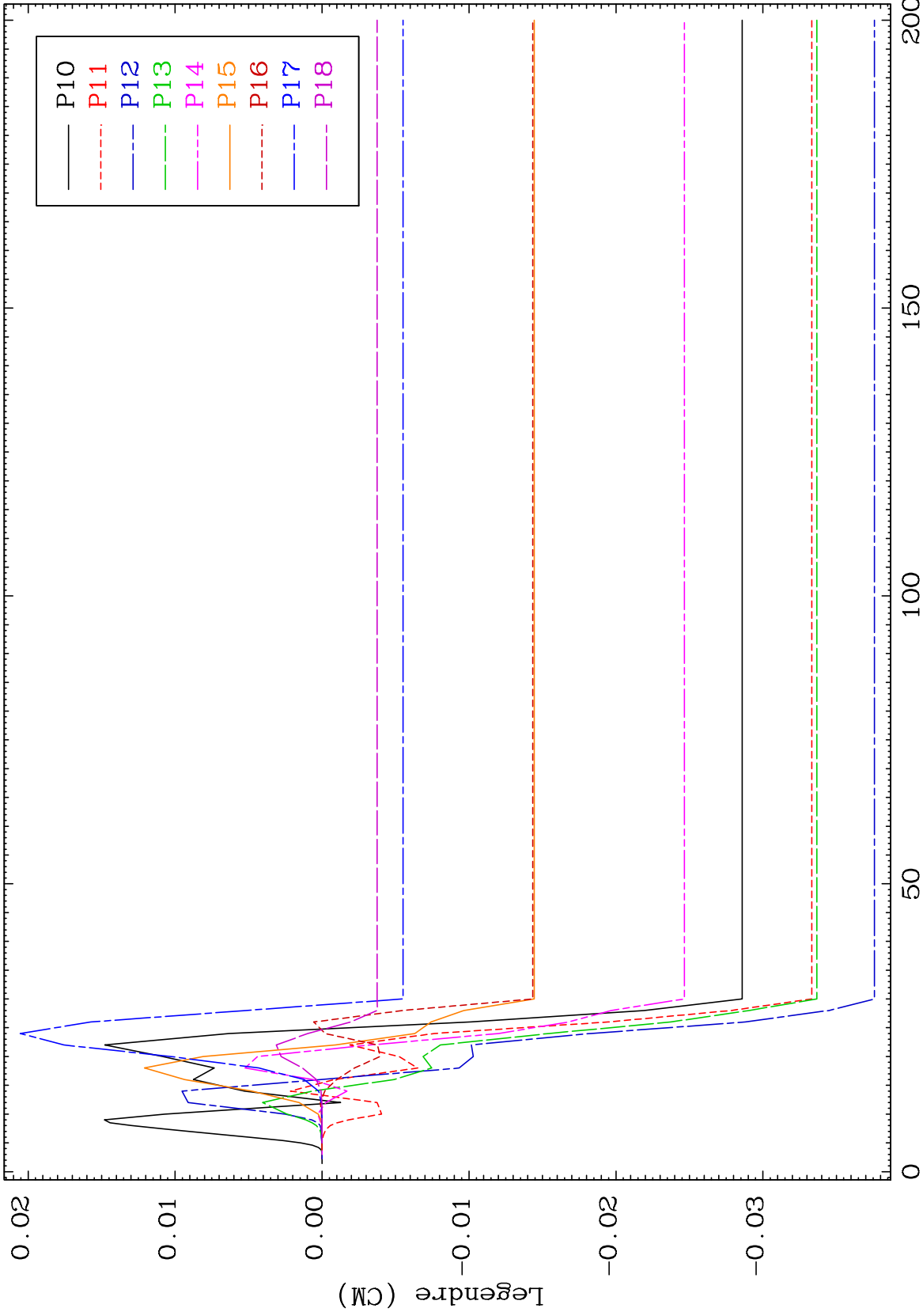
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168



65

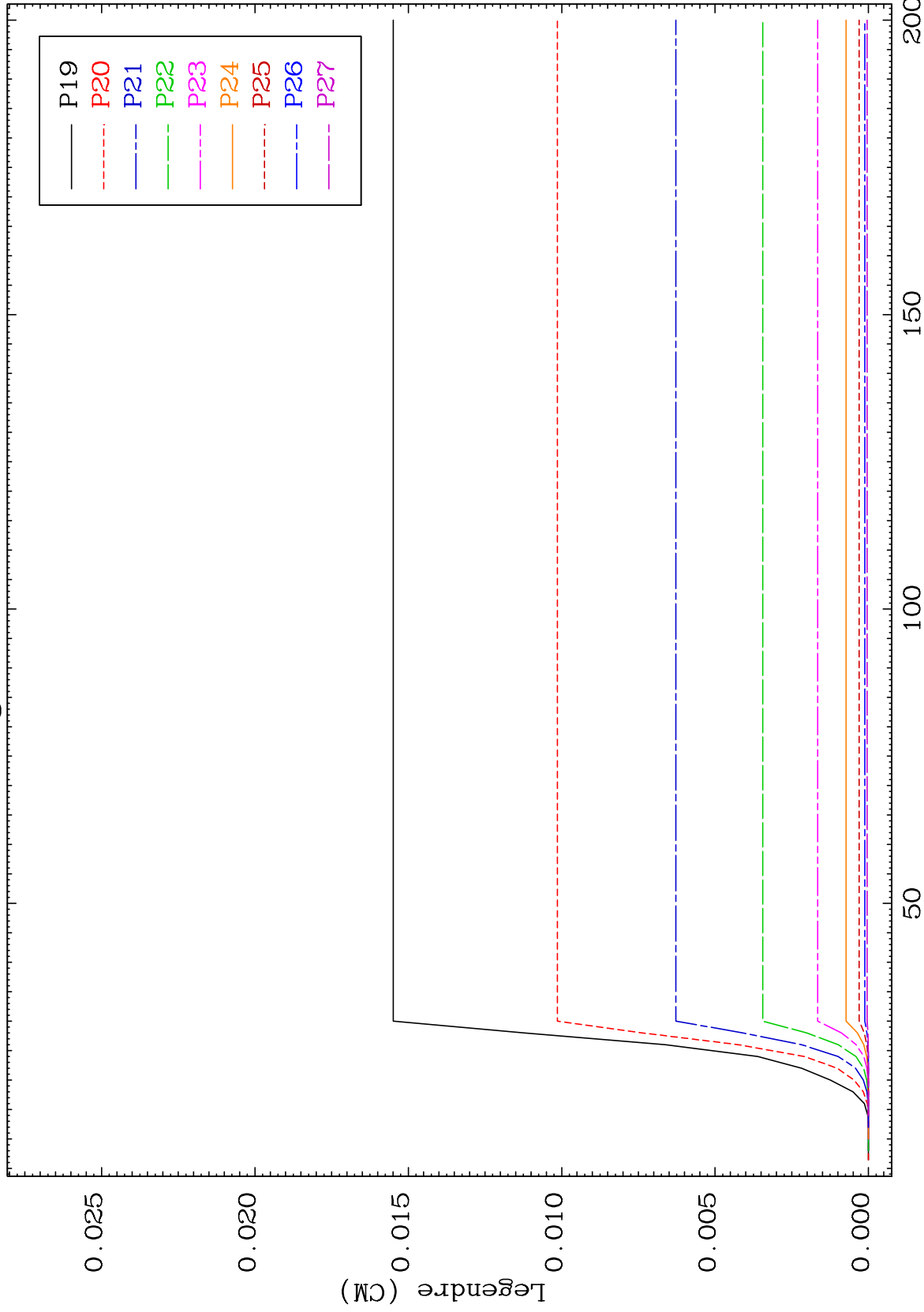
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168



66

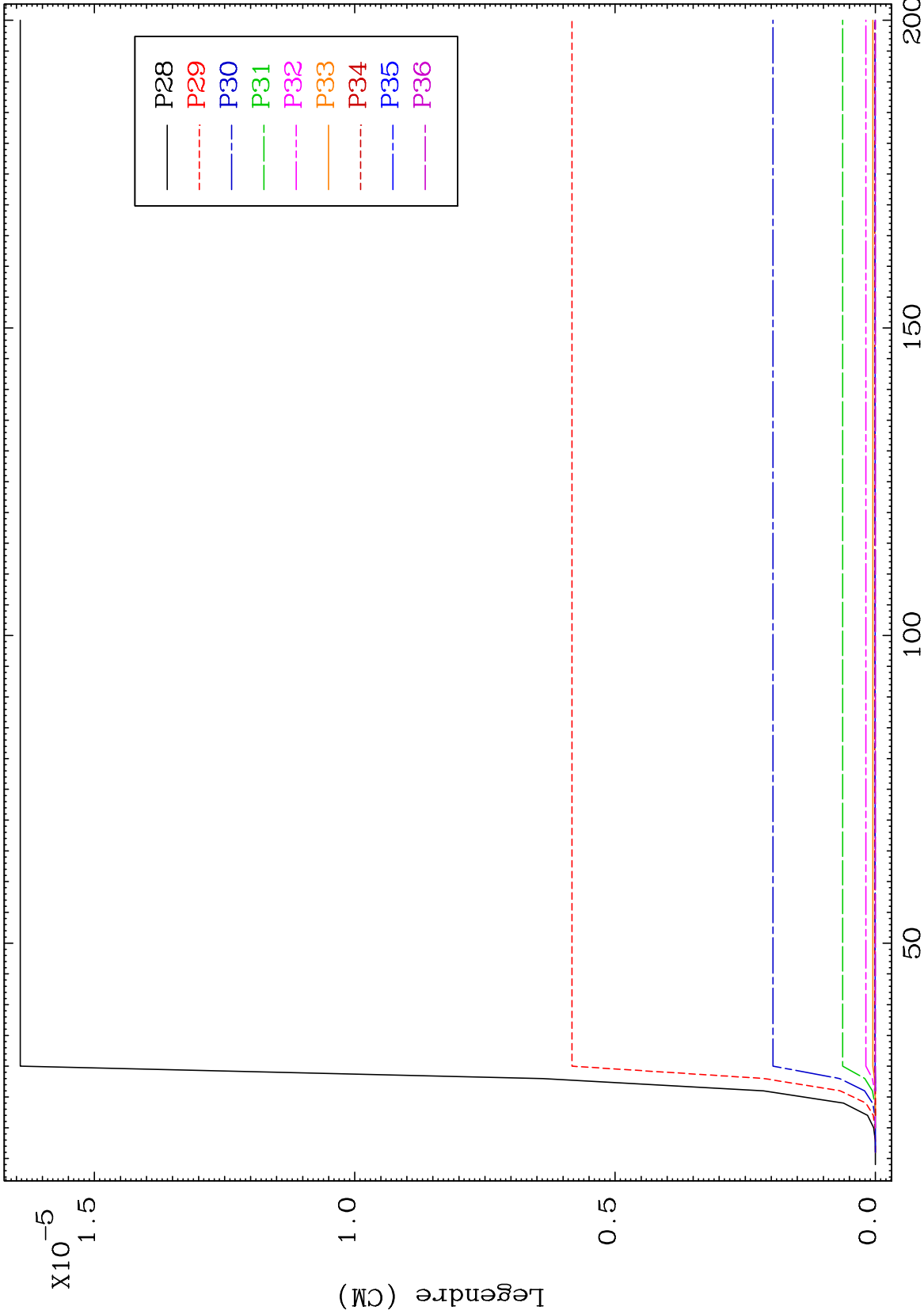
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168

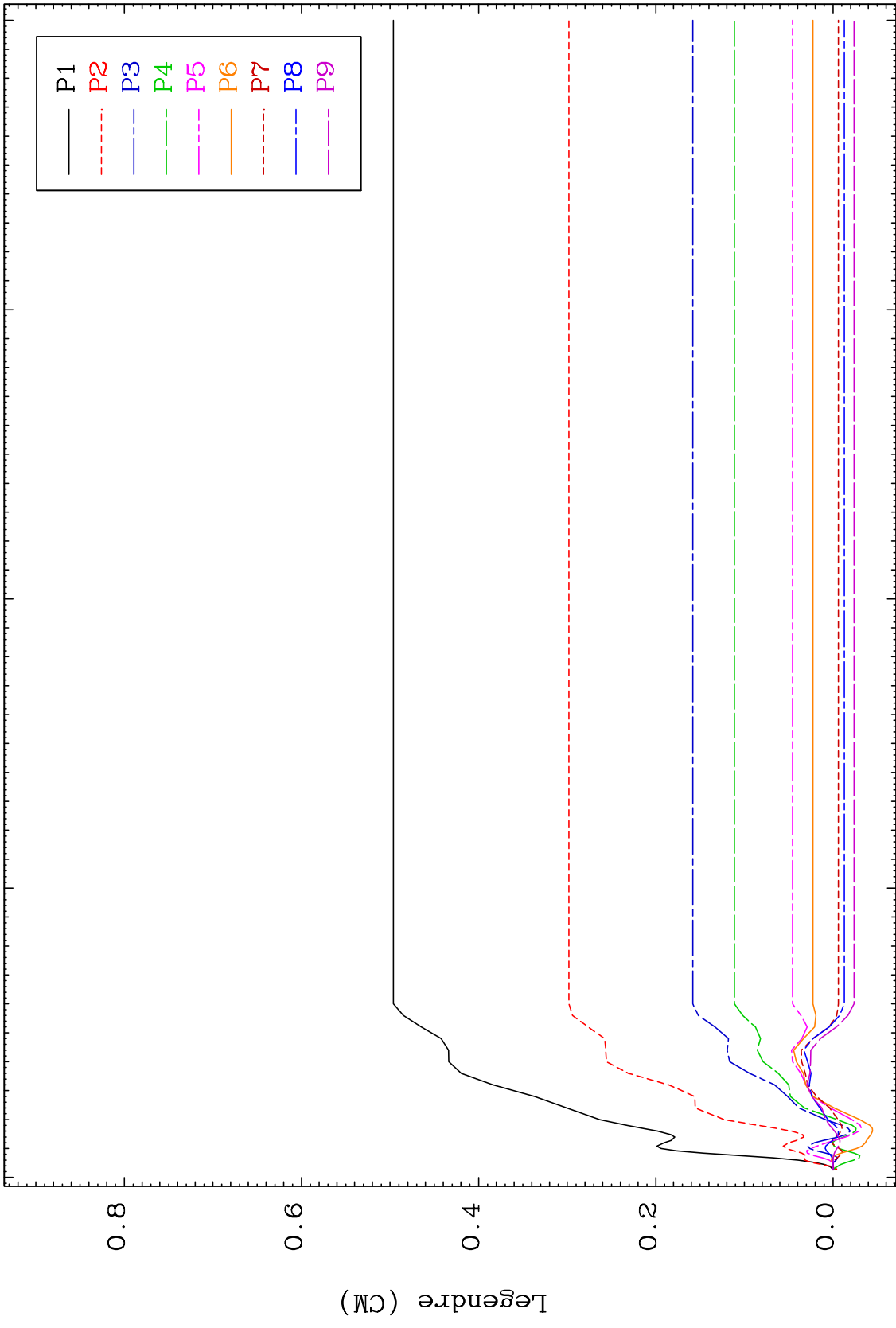


67

Incident Energy (MeV)

70-Yb-168

MAT 7025 MT= 64 (n,n') Level Legendre Coefficients 70-Yb-168

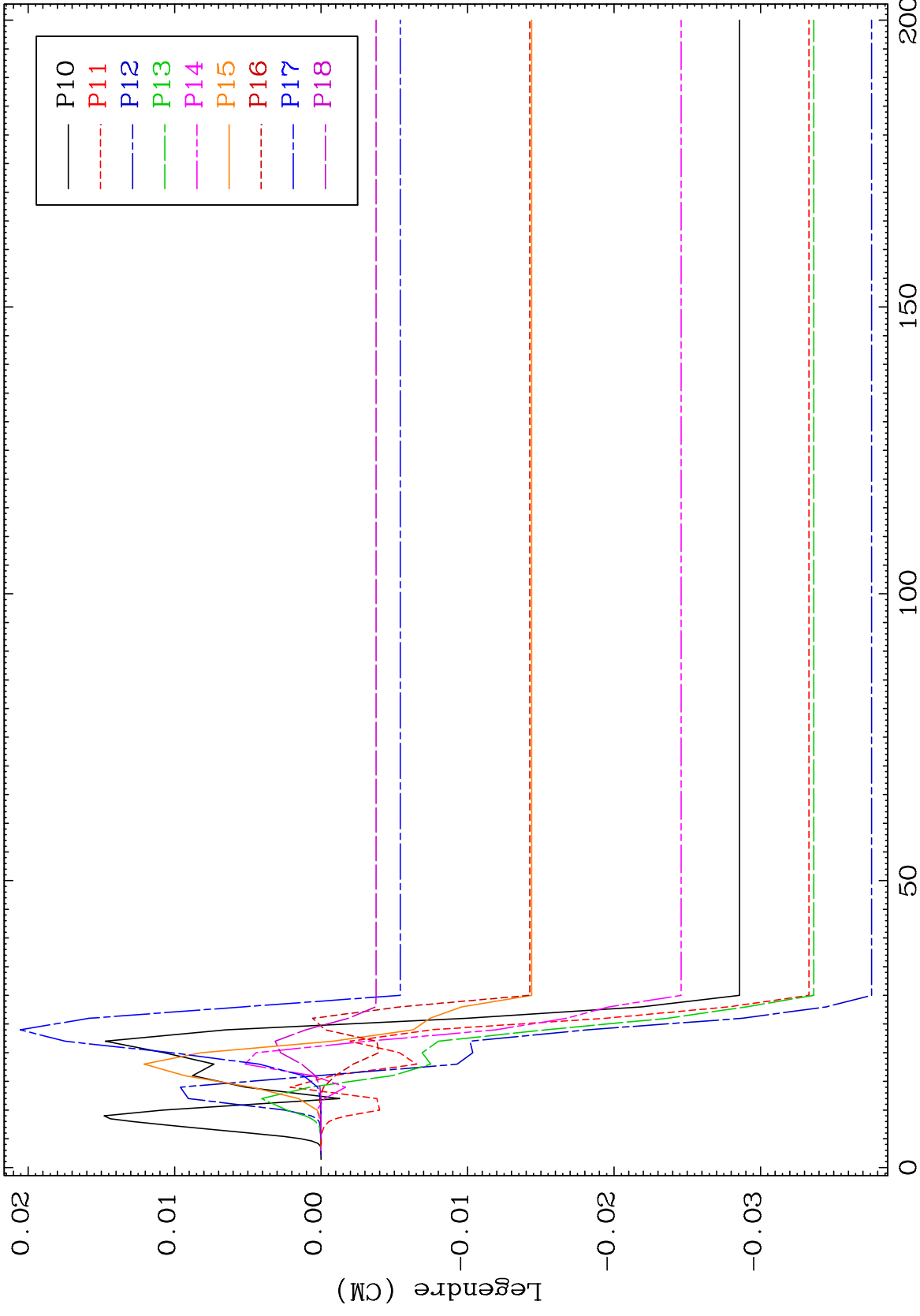


68 Incident Energy (MeV) 70-Yb-168

MAT 7025

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

70-Yb-168



69

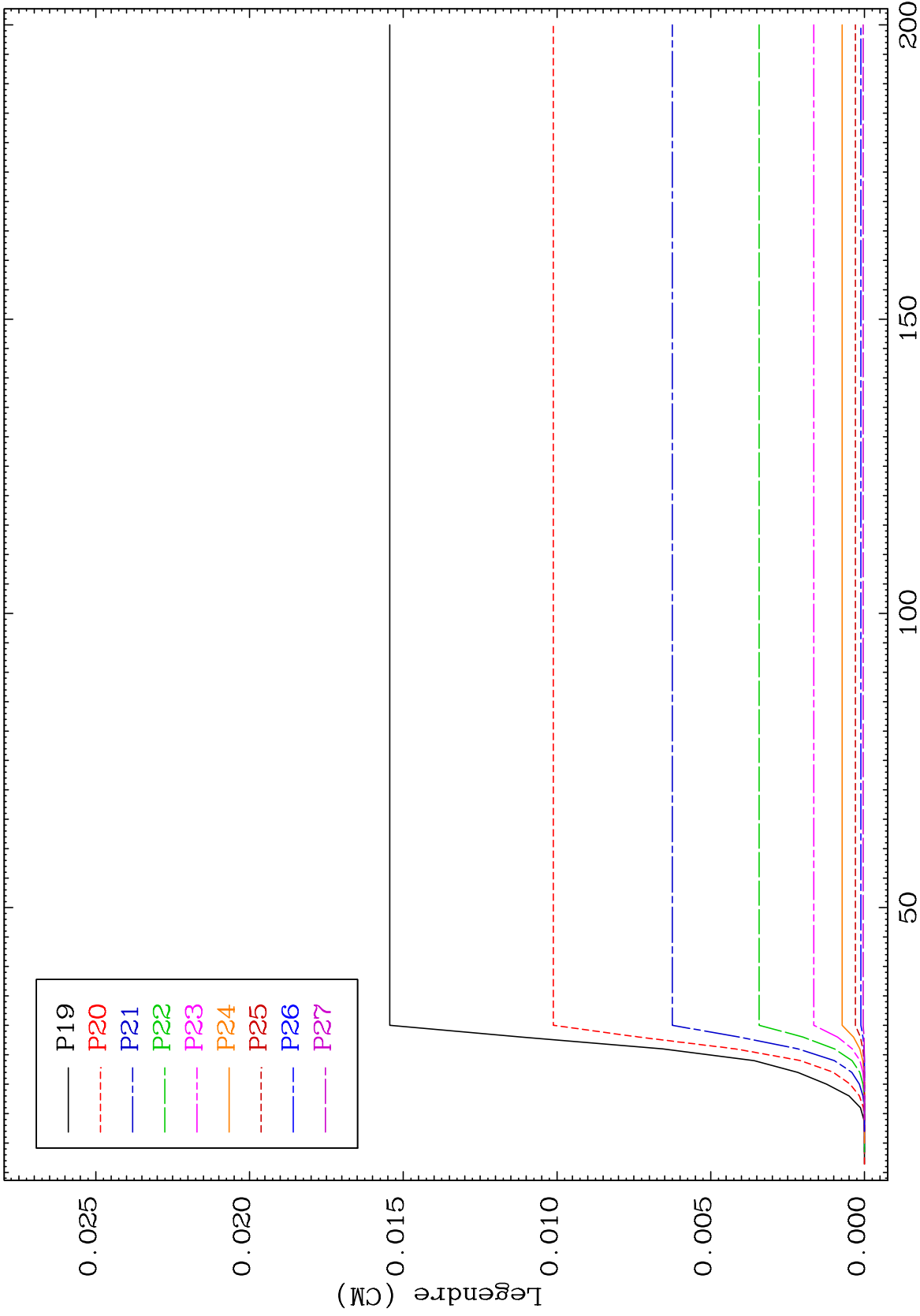
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168



70

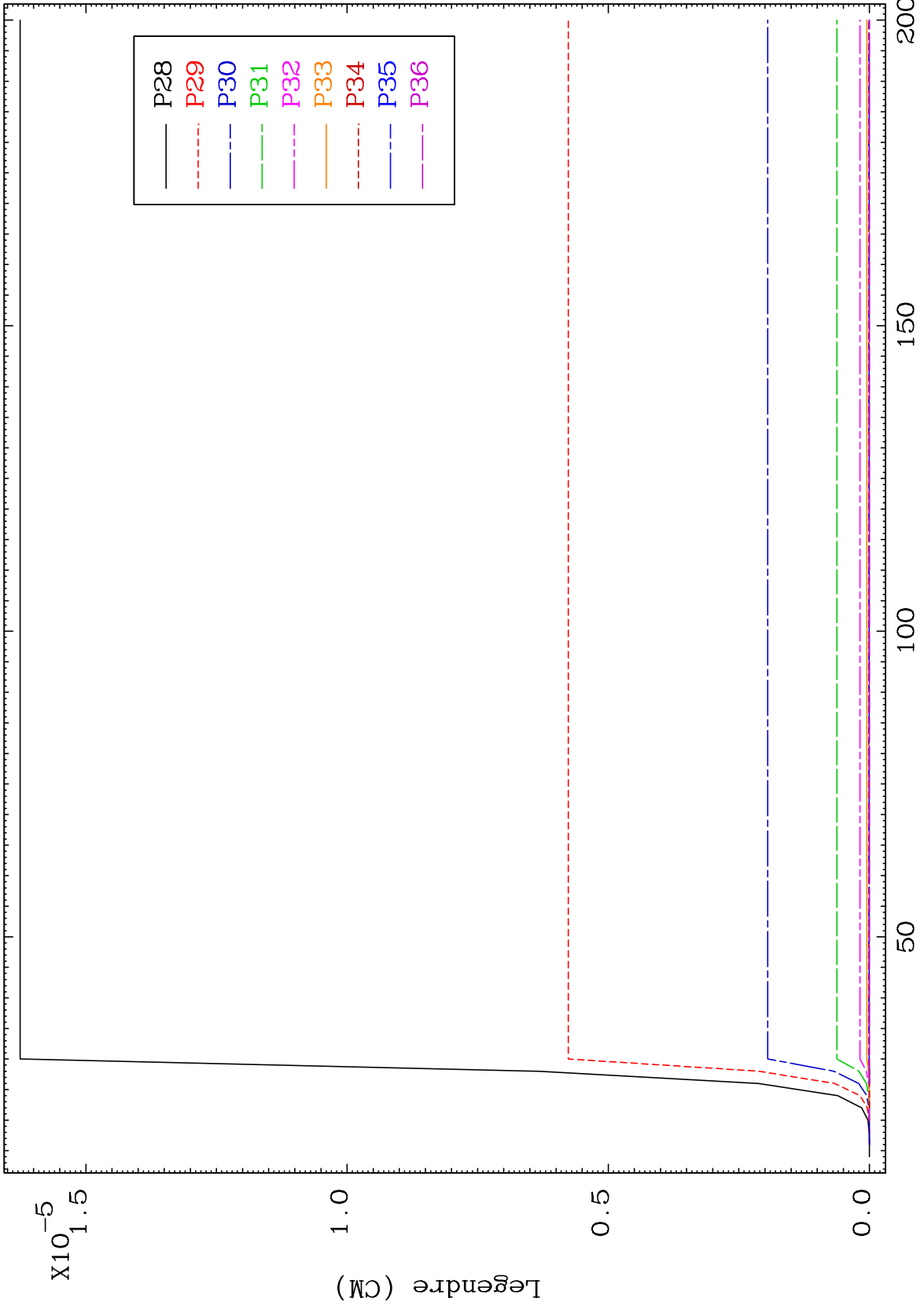
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168



71

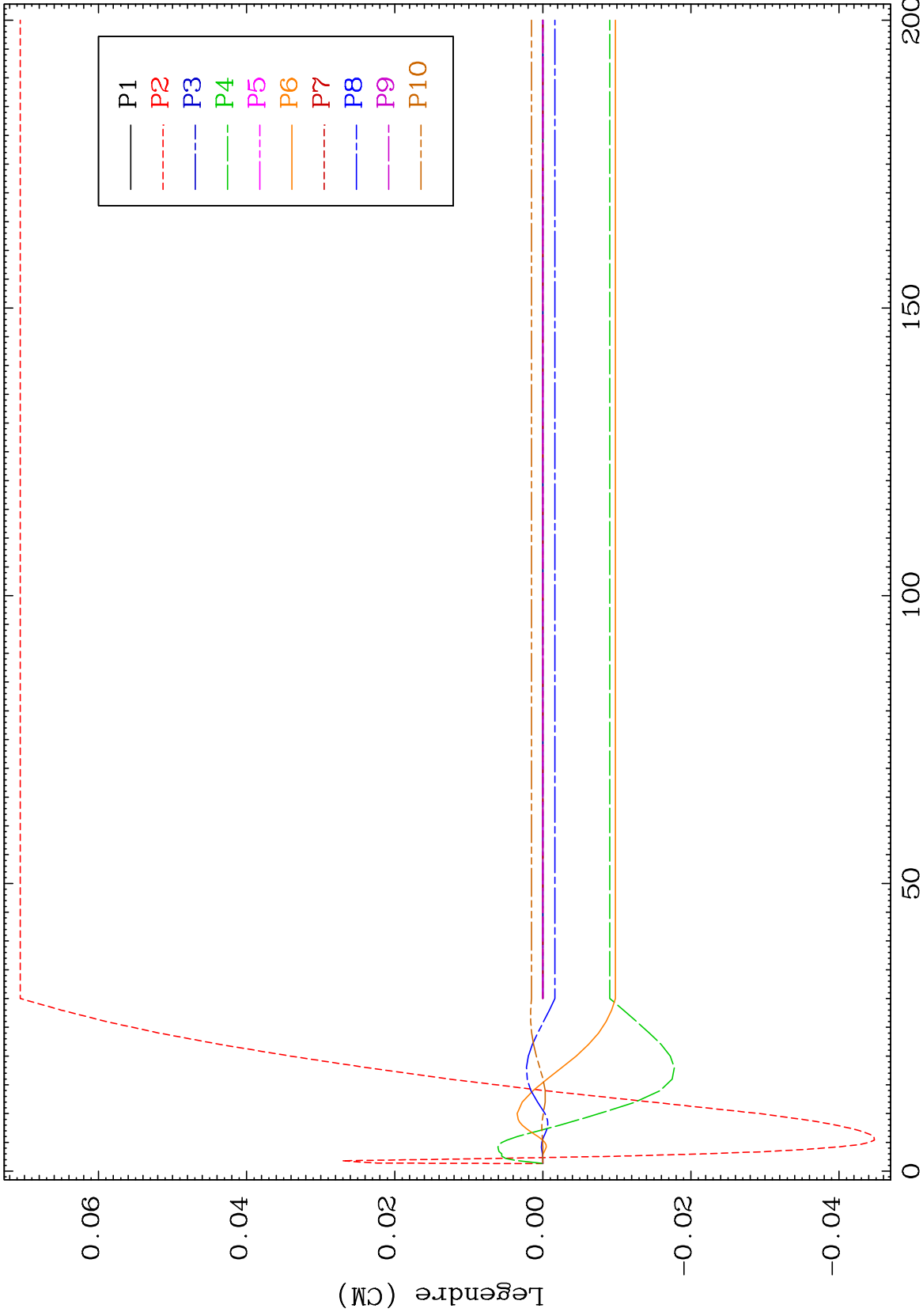
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168



72

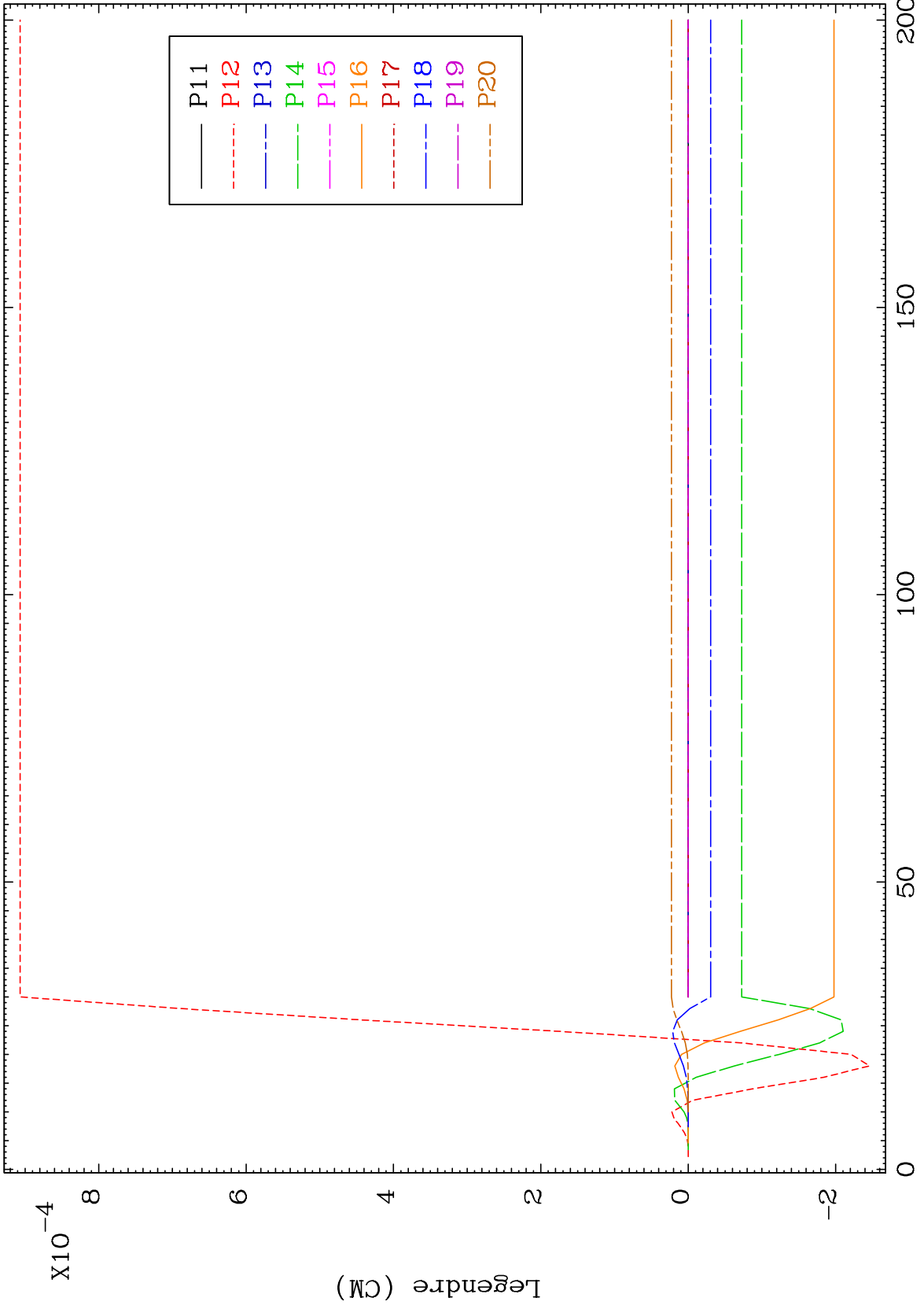
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168

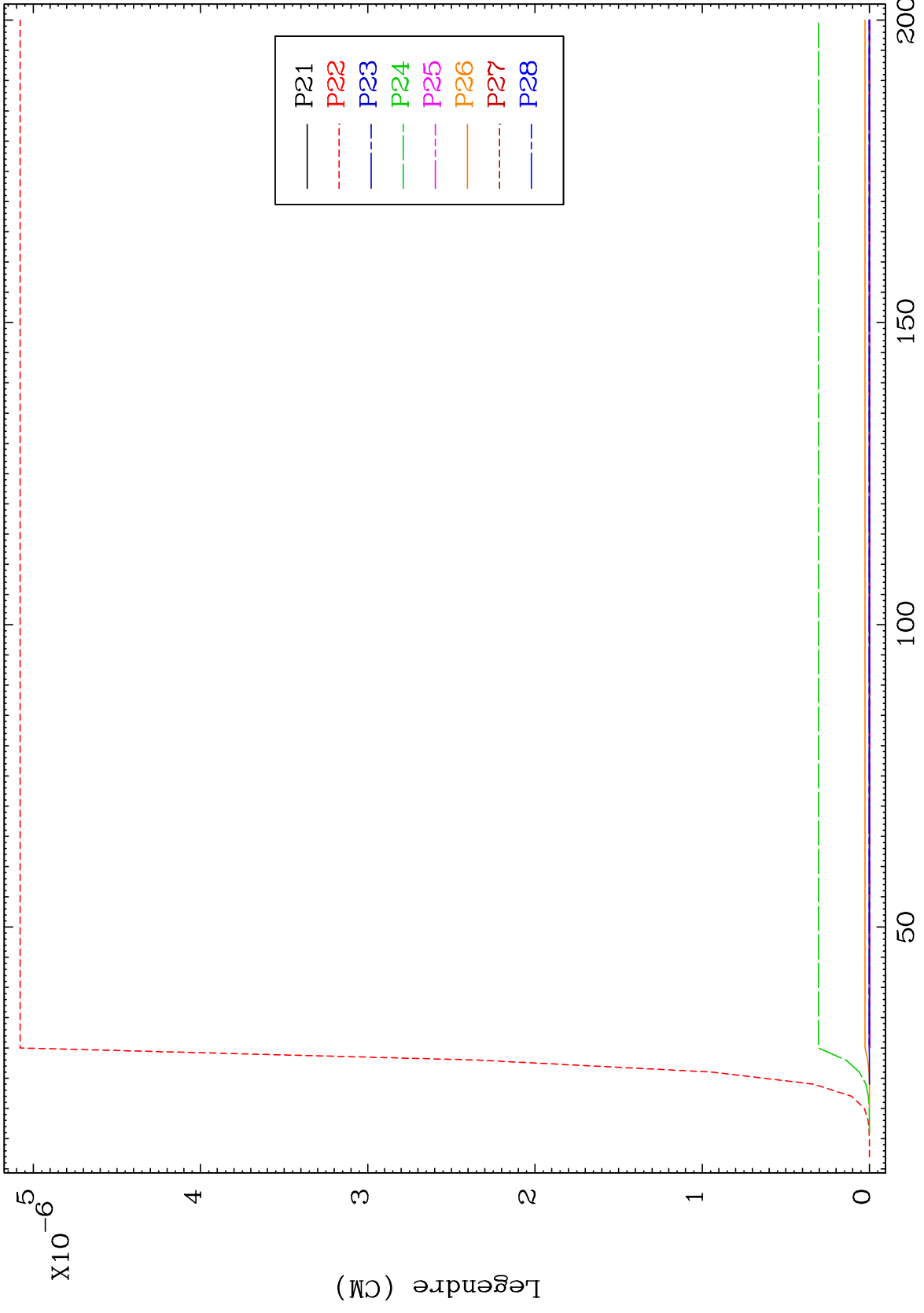


73

Incident Energy (MeV)

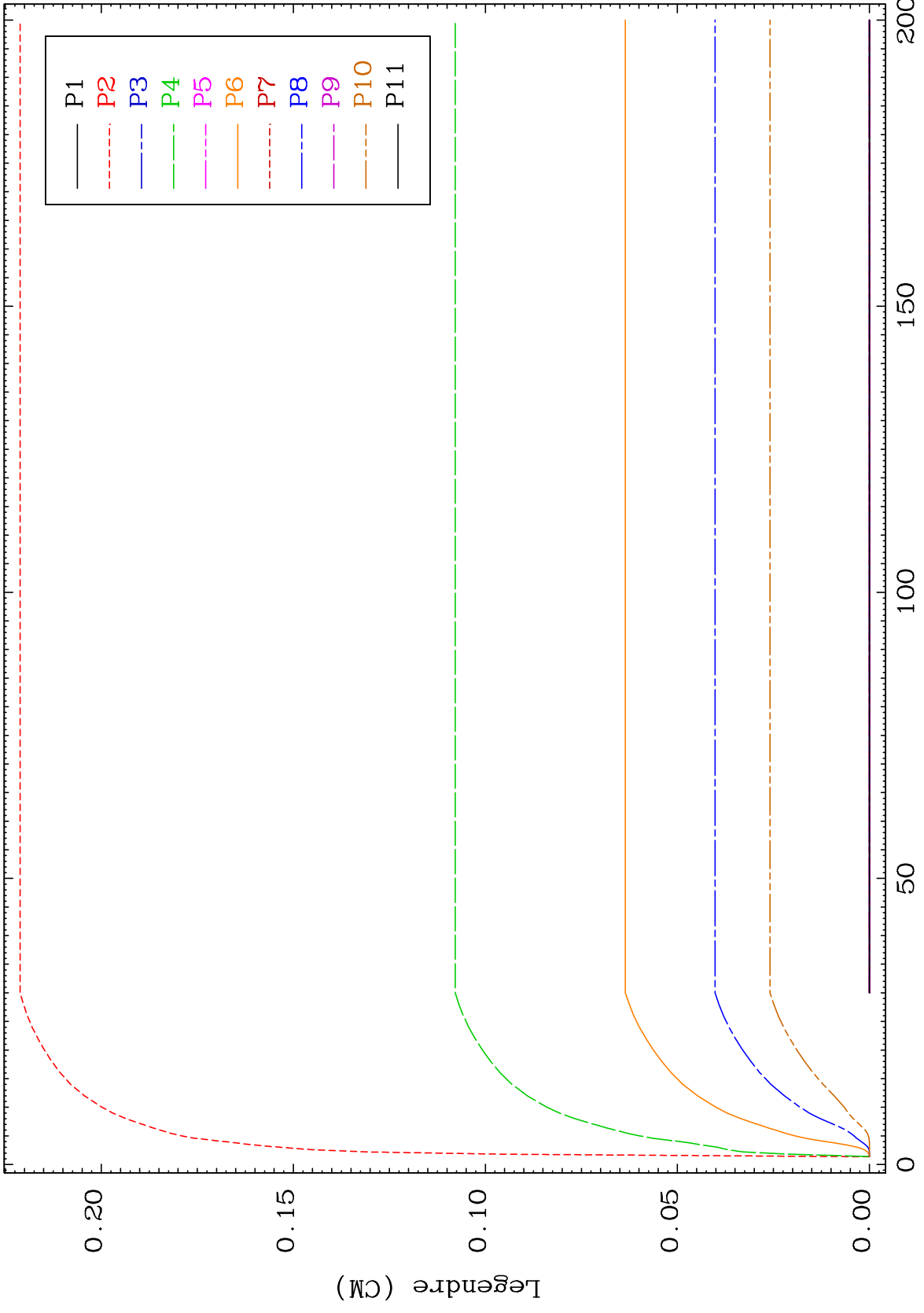
70-Yb-168

MAT 7025 MT= 65 (n,n') Level Legendre Coefficients 70-Yb-168



74 70-Yb-168

MAT 7025 MT= 66 (n,n') Level Legendre Coefficients 70-Yb-168

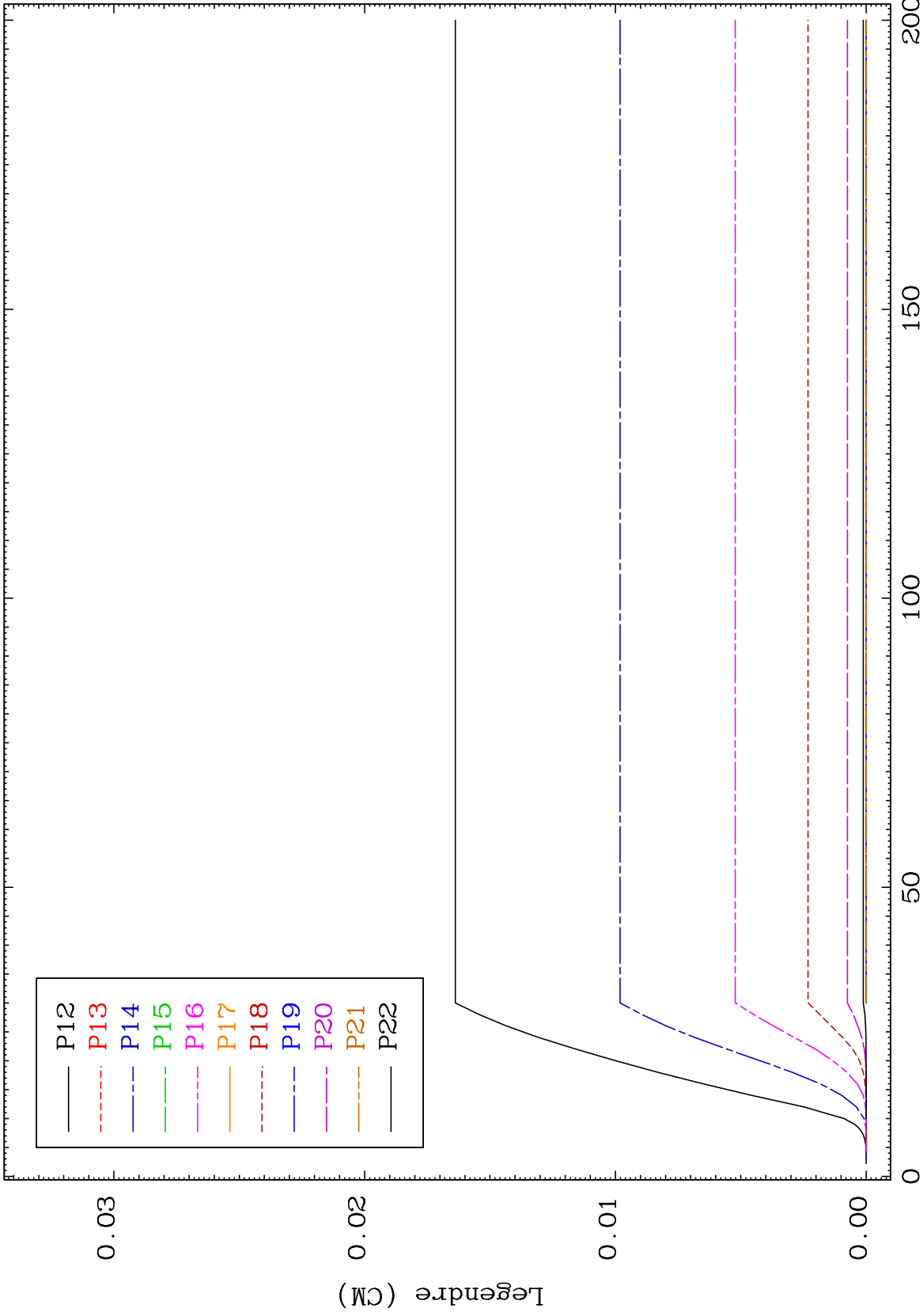


75 Incident Energy (MeV) 70-Yb-168

MAT 7025

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

70-Yb-168

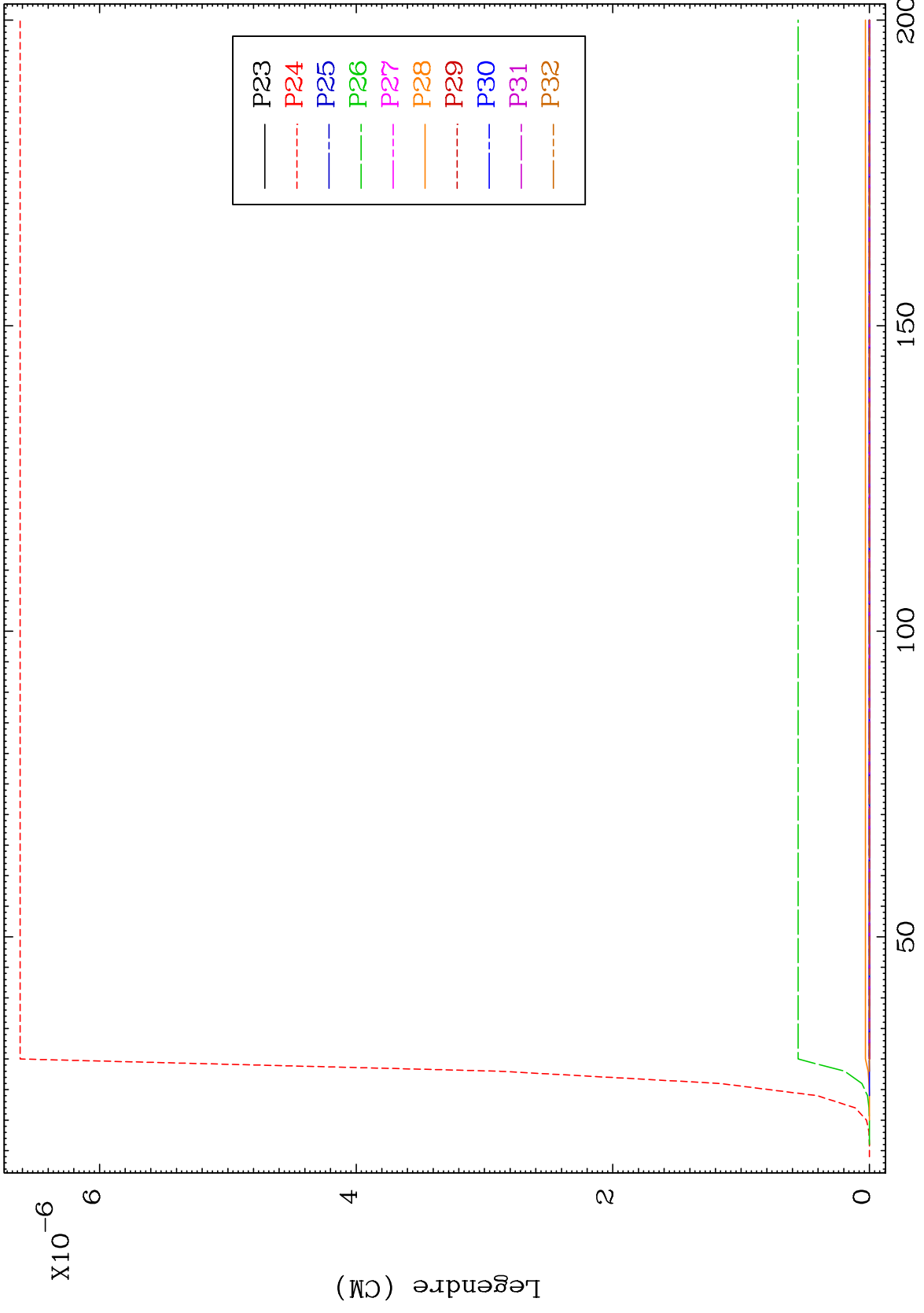


76

Incident Energy (MeV)

70-Yb-168

MAT 7025 MT= 66 (n,n') Level Legendre Coefficients 70-Yb-168

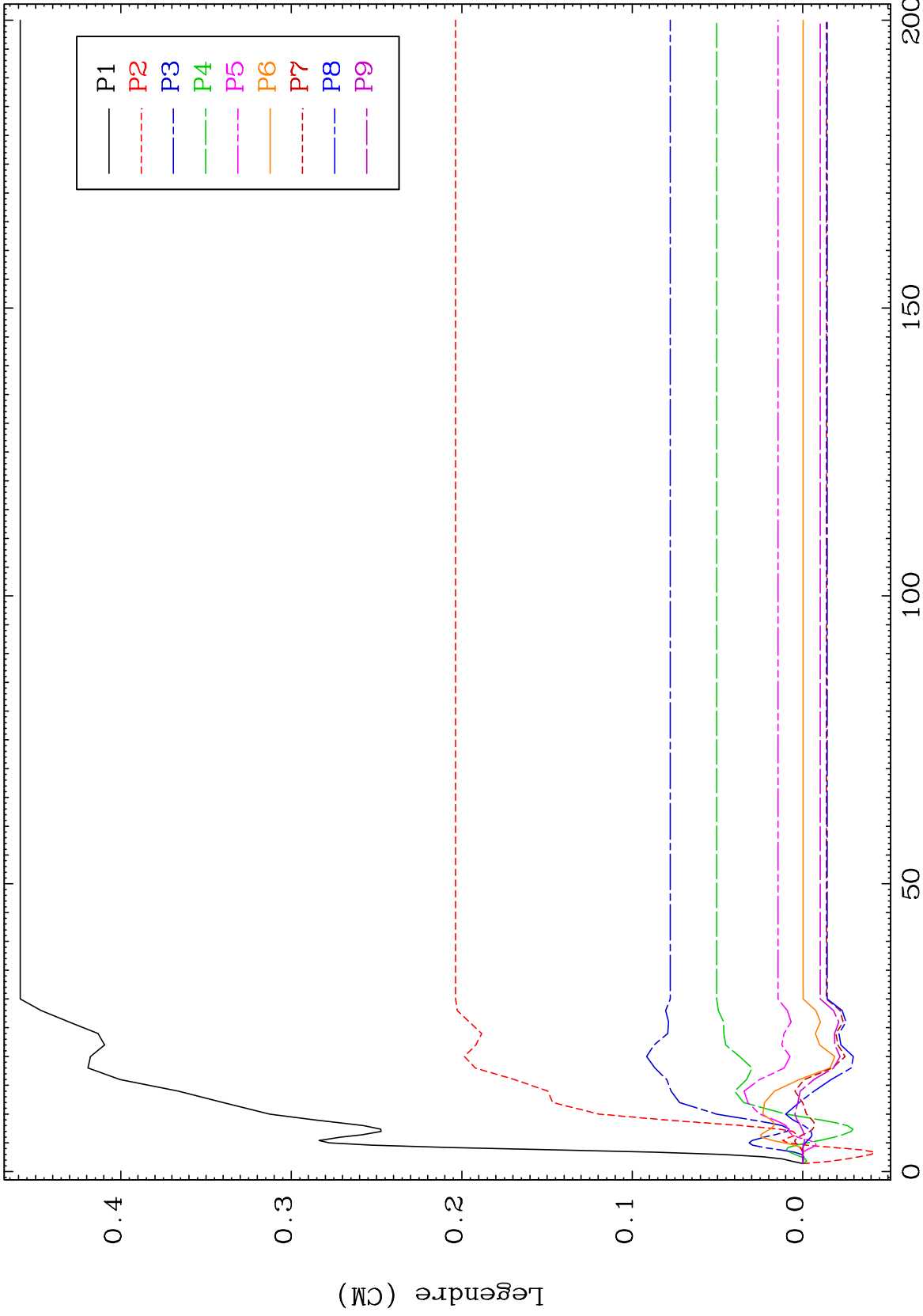


77 70-Yb-168

MAT 7025

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

70-Yb-168



78

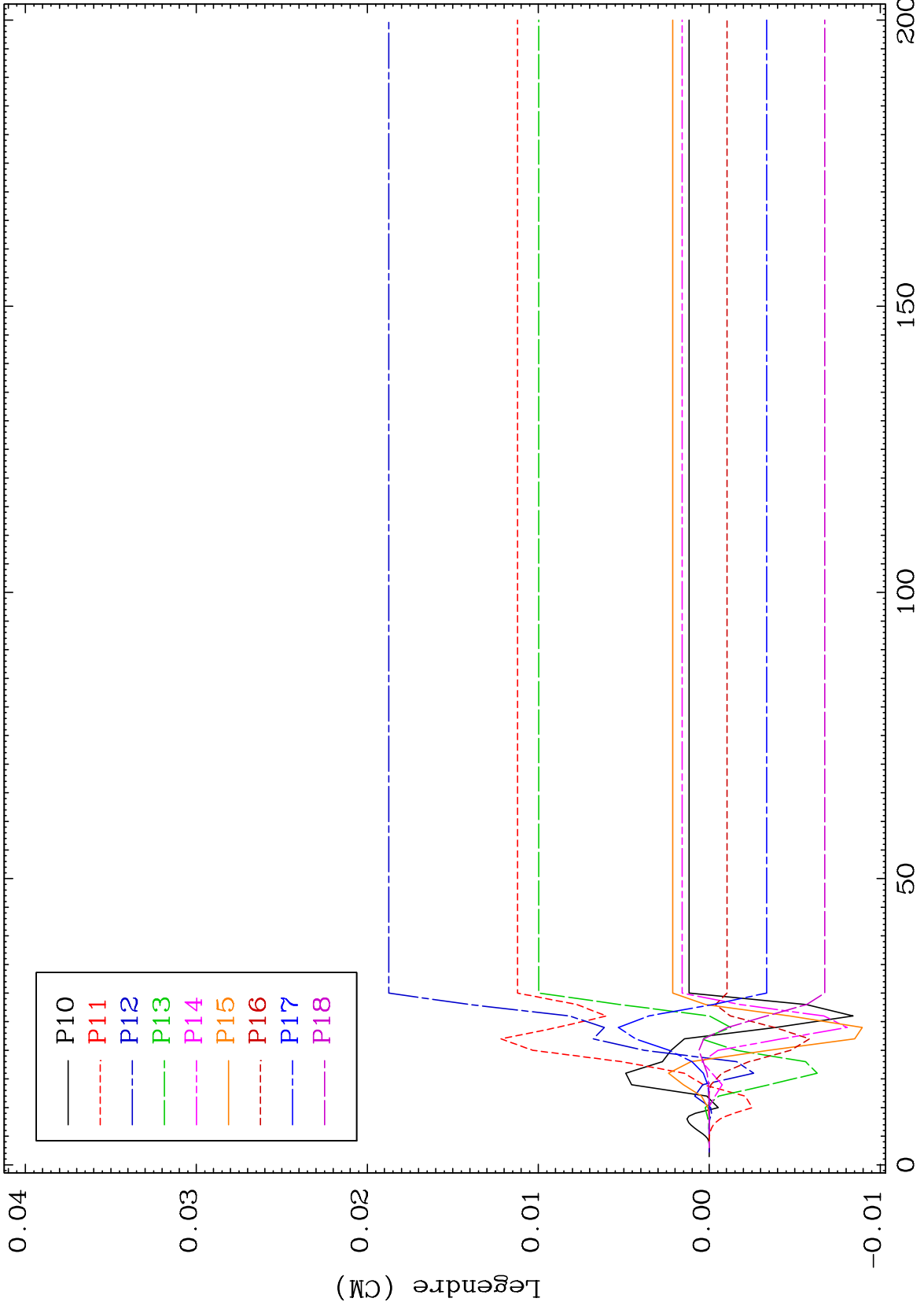
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168



79

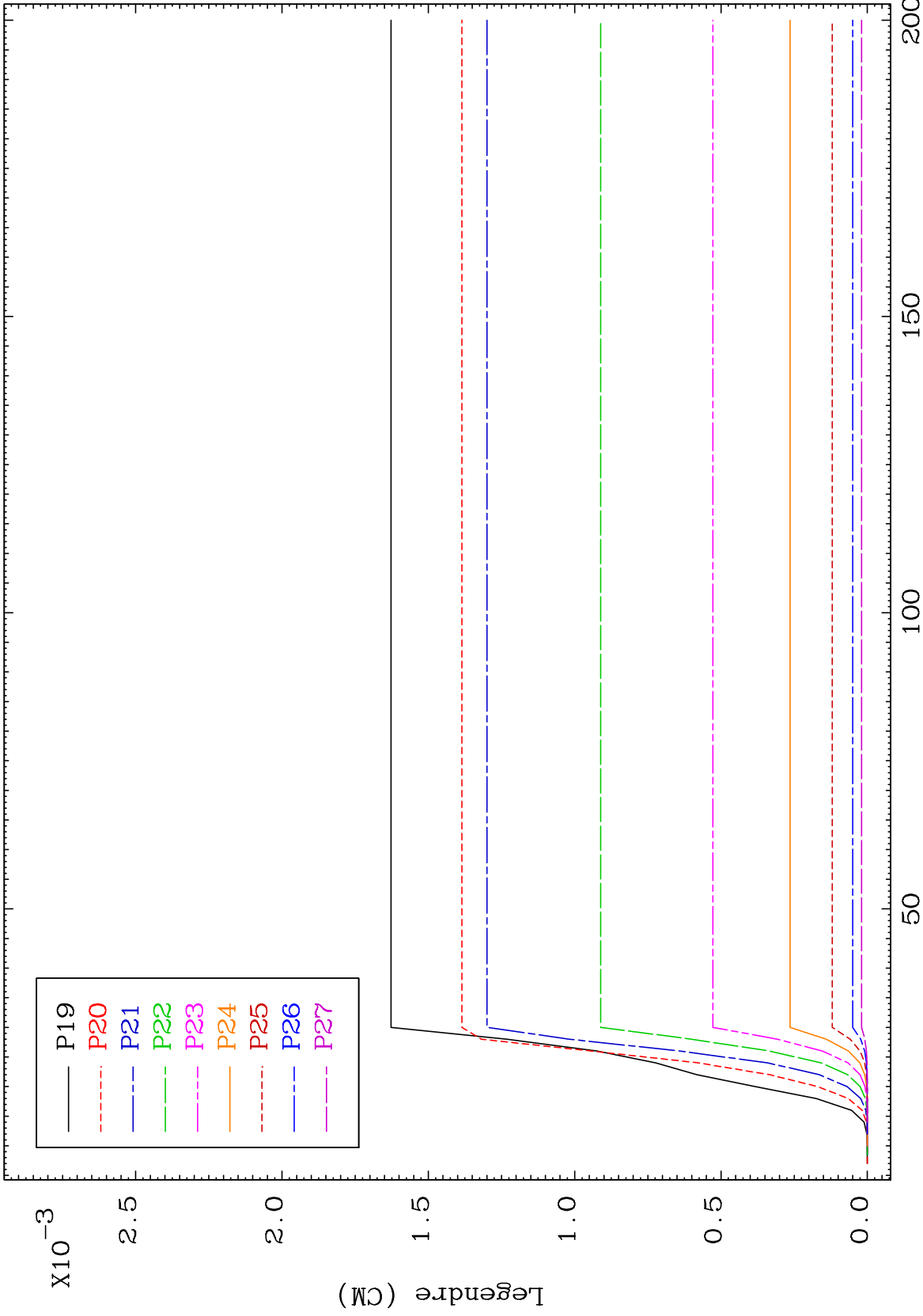
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168



80

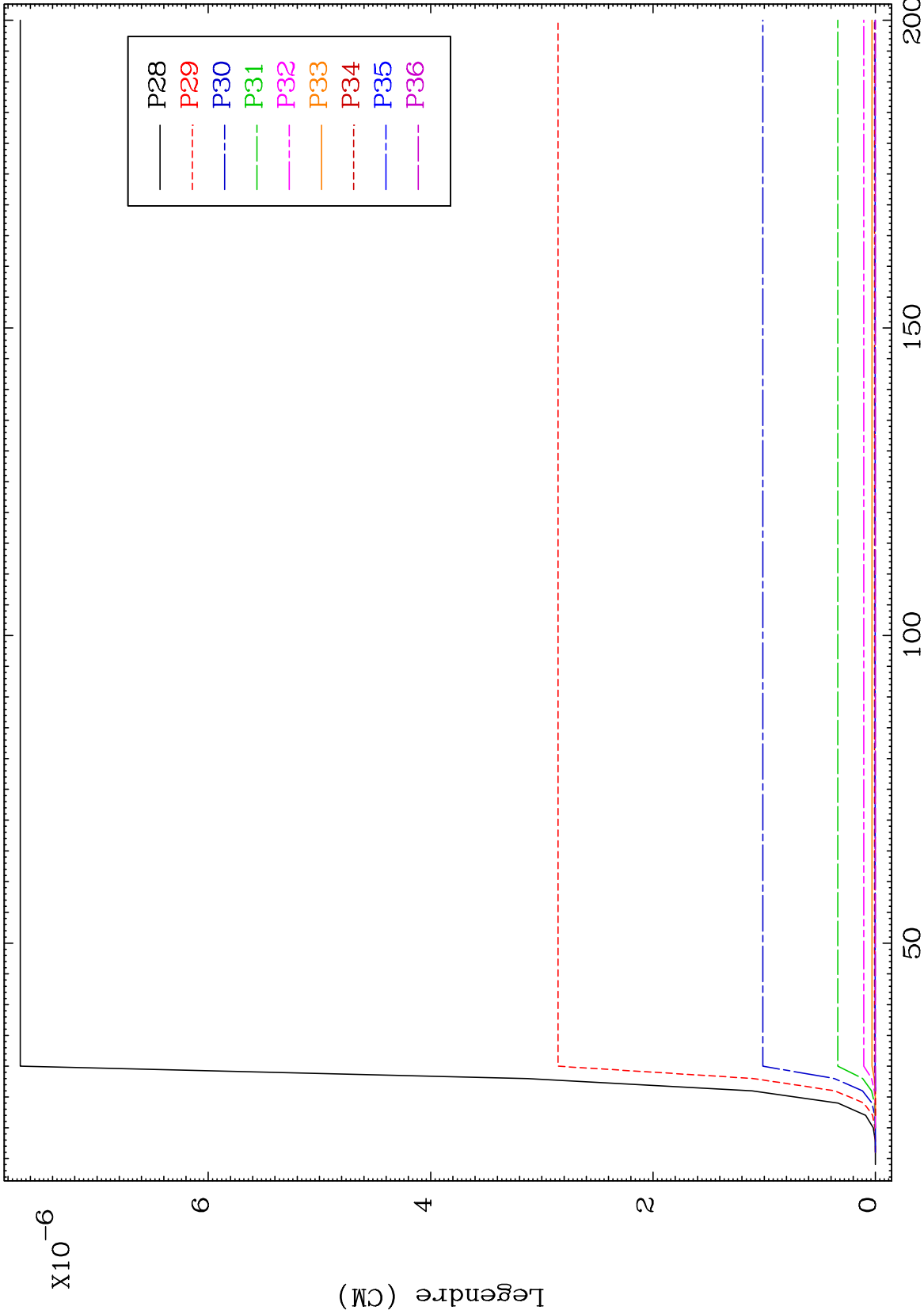
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168

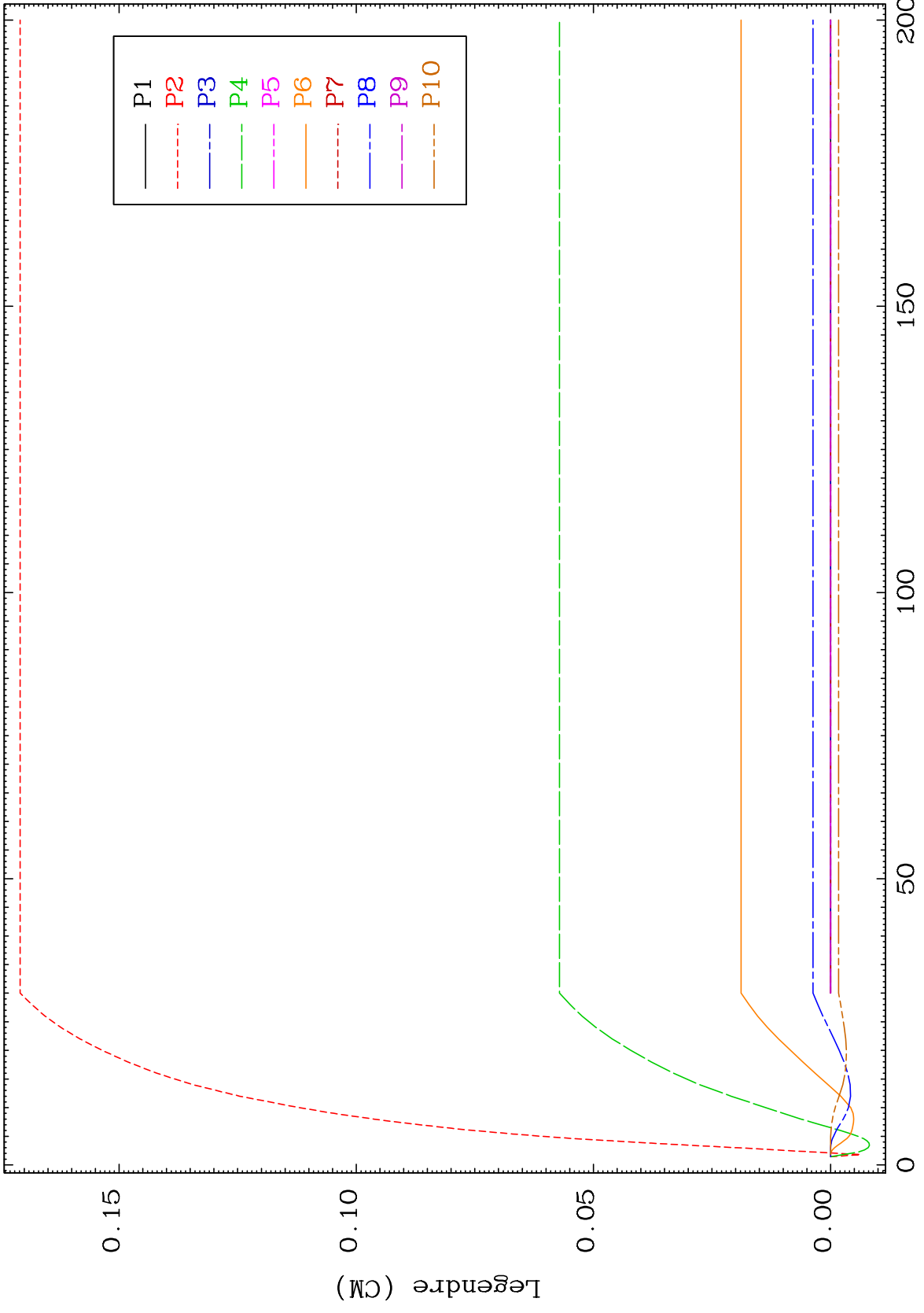


81

Incident Energy (MeV)

70-Yb-168

MAT 7025 MT= 68 (n,n') Level Legendre Coefficients 70-Yb-168

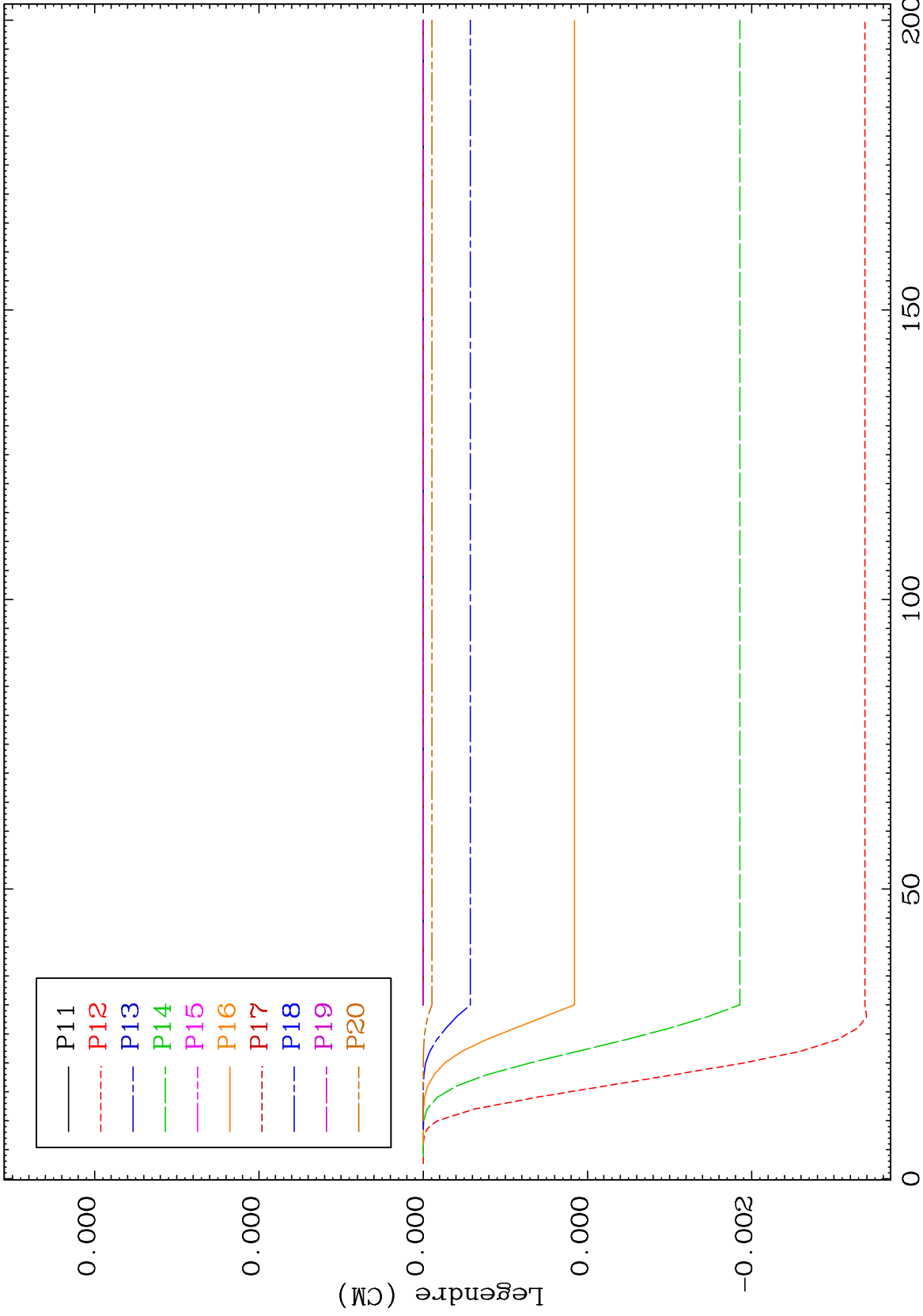


82 Incident Energy (MeV) 70-Yb-168

MAT 7025

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

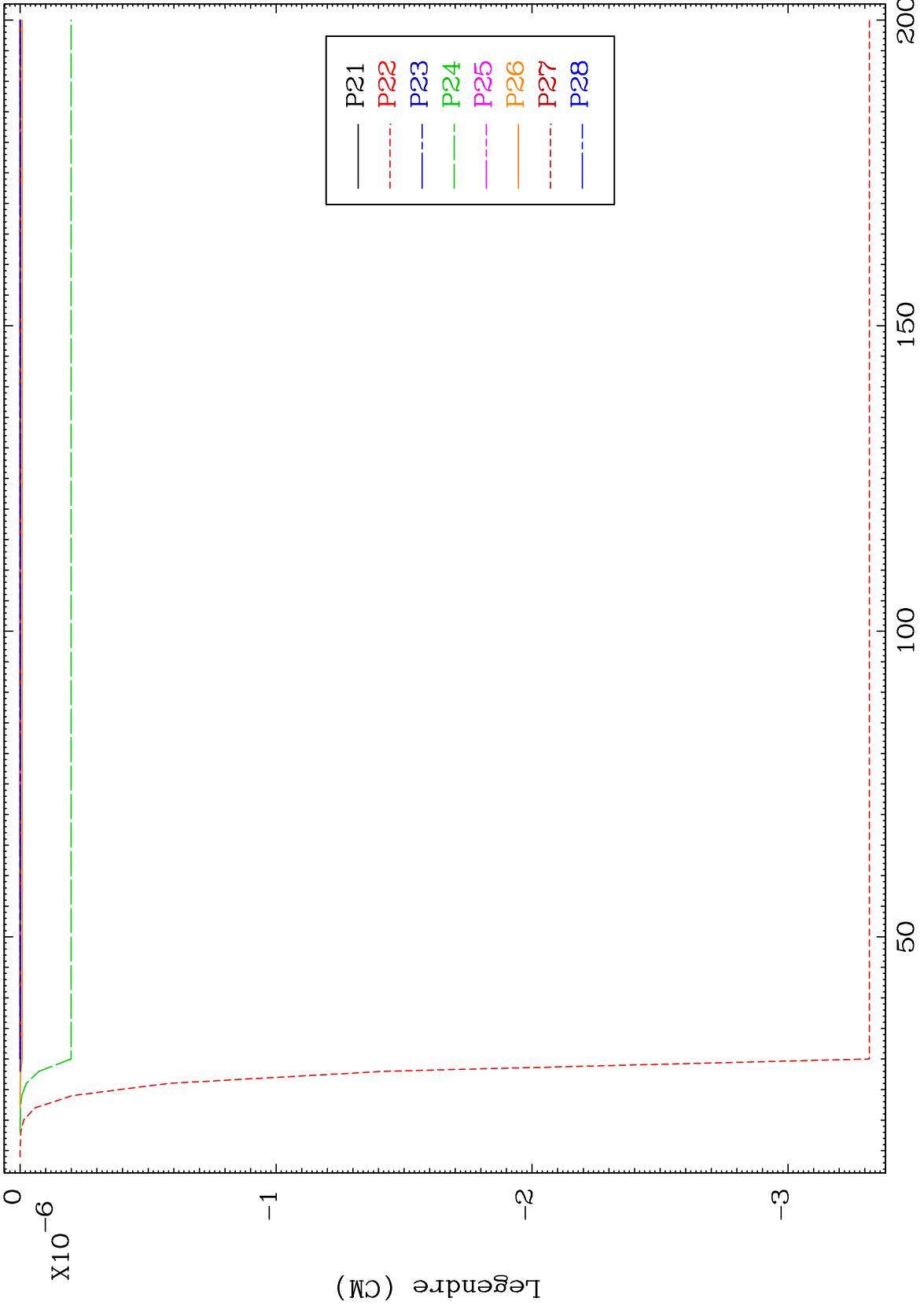
70-Yb-168



83

70-Yb-168

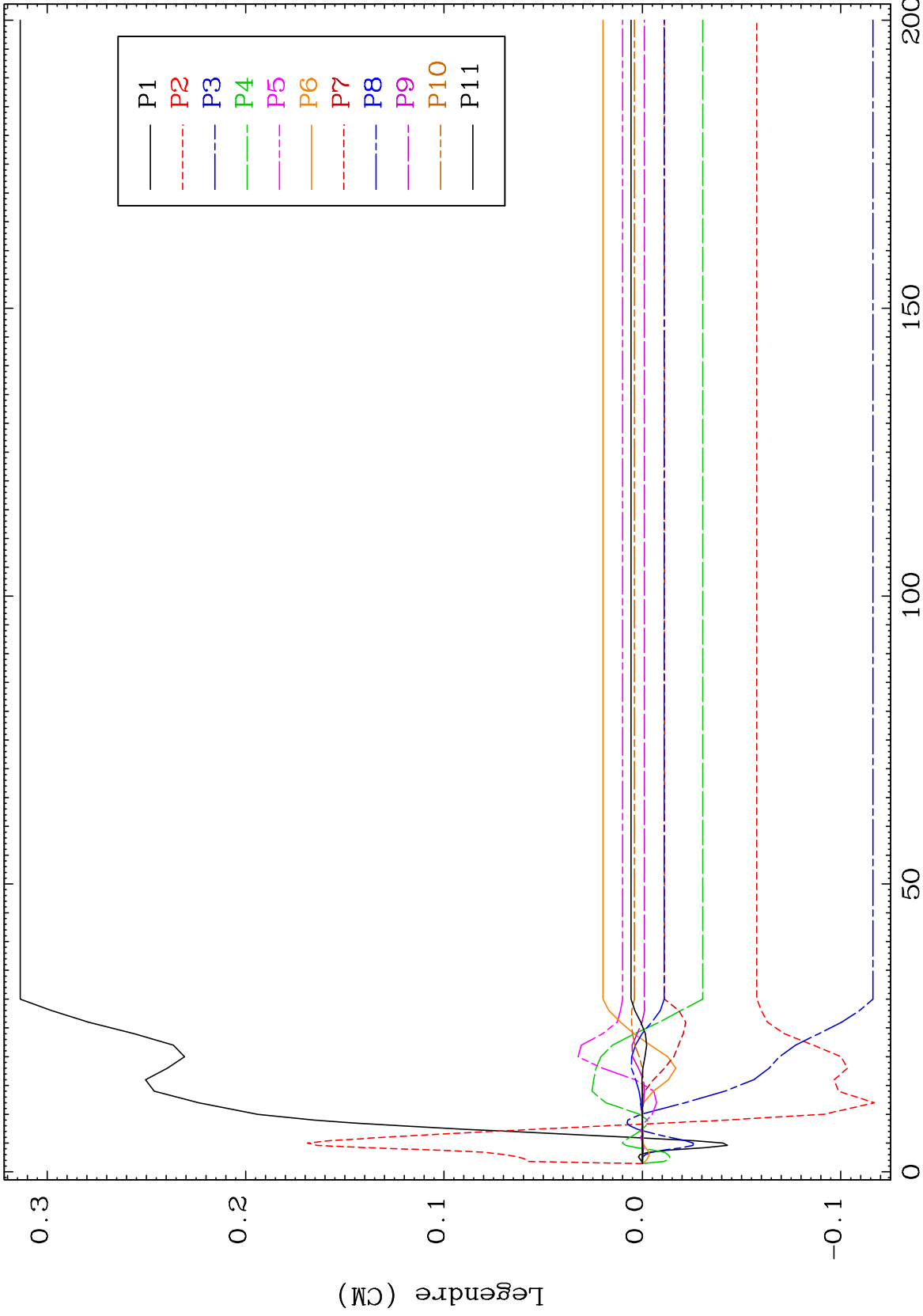
MAT 7025 MT= 68 (n,n') Level Legendre Coefficients 70-Yb-168



MAT 7025

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

70-Yb-168



85

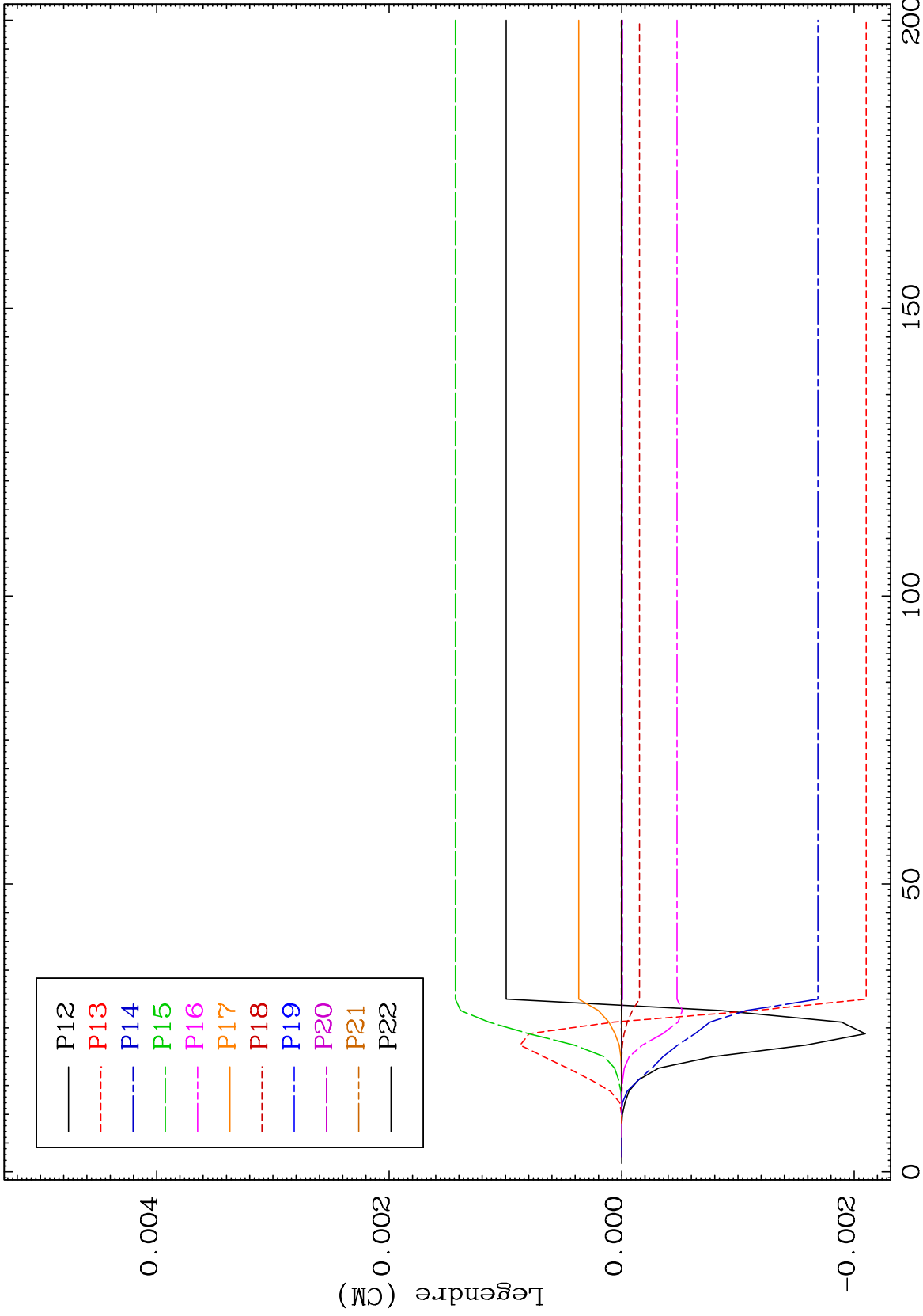
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168



86

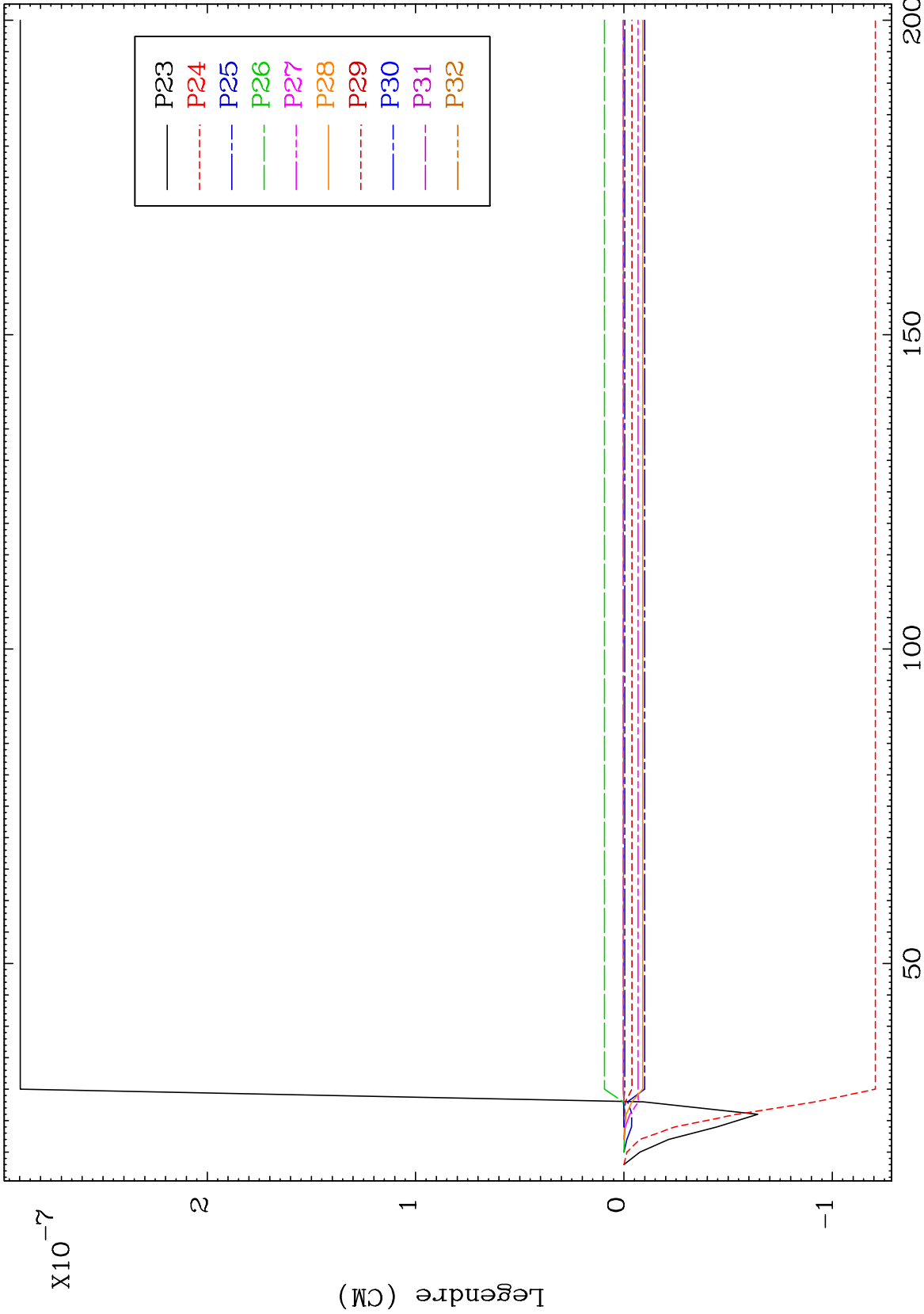
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168



87

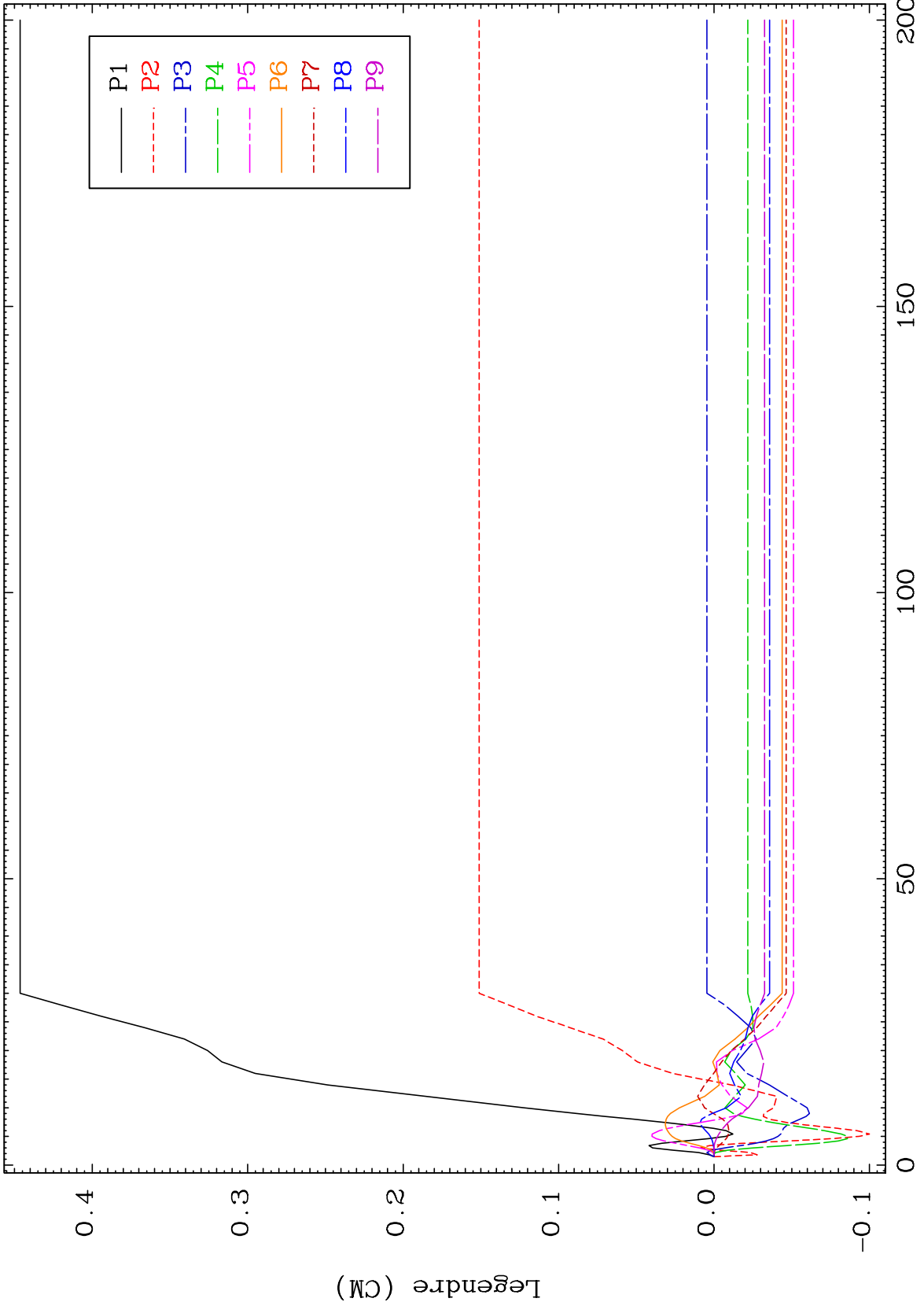
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168



88

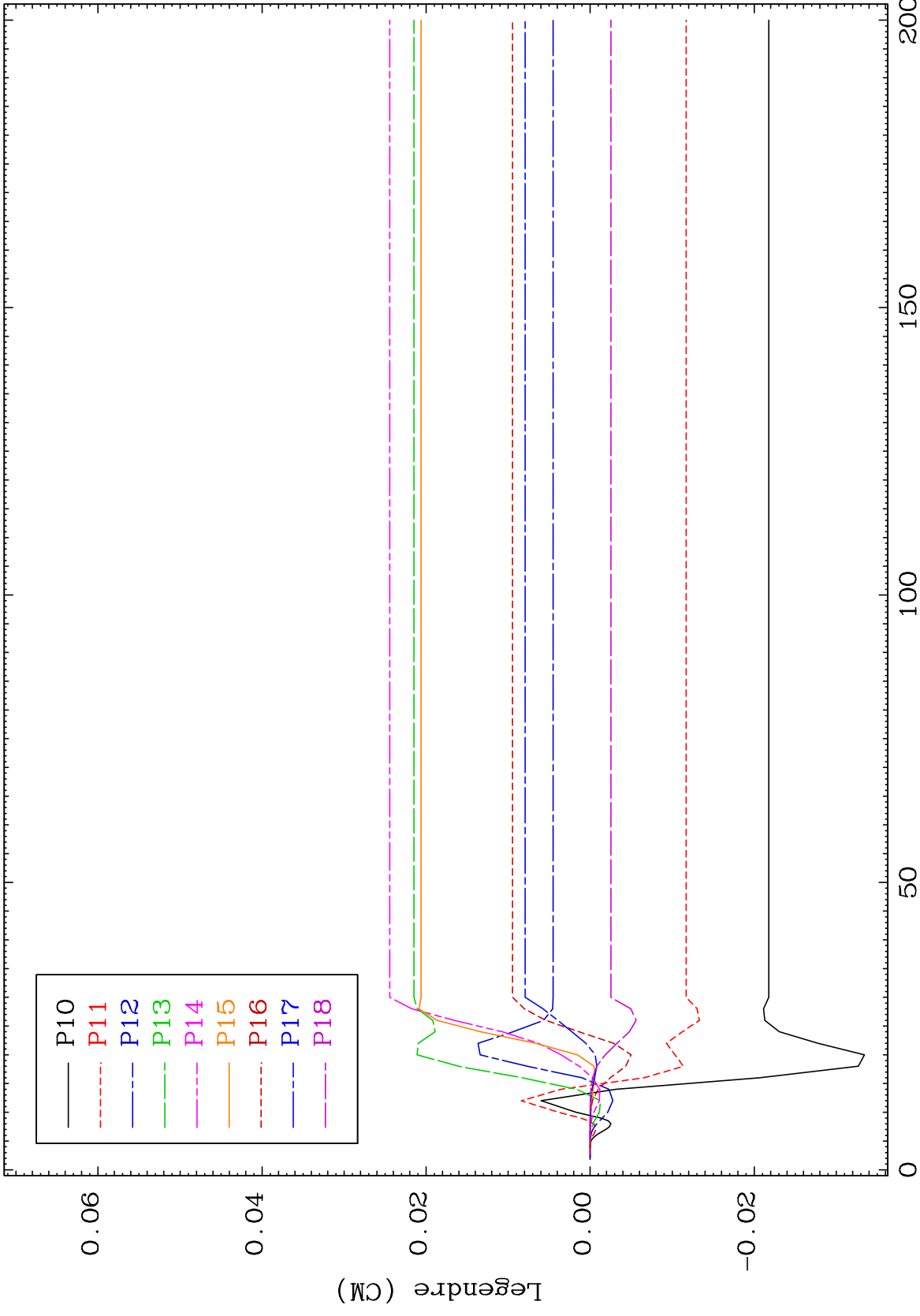
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168



89

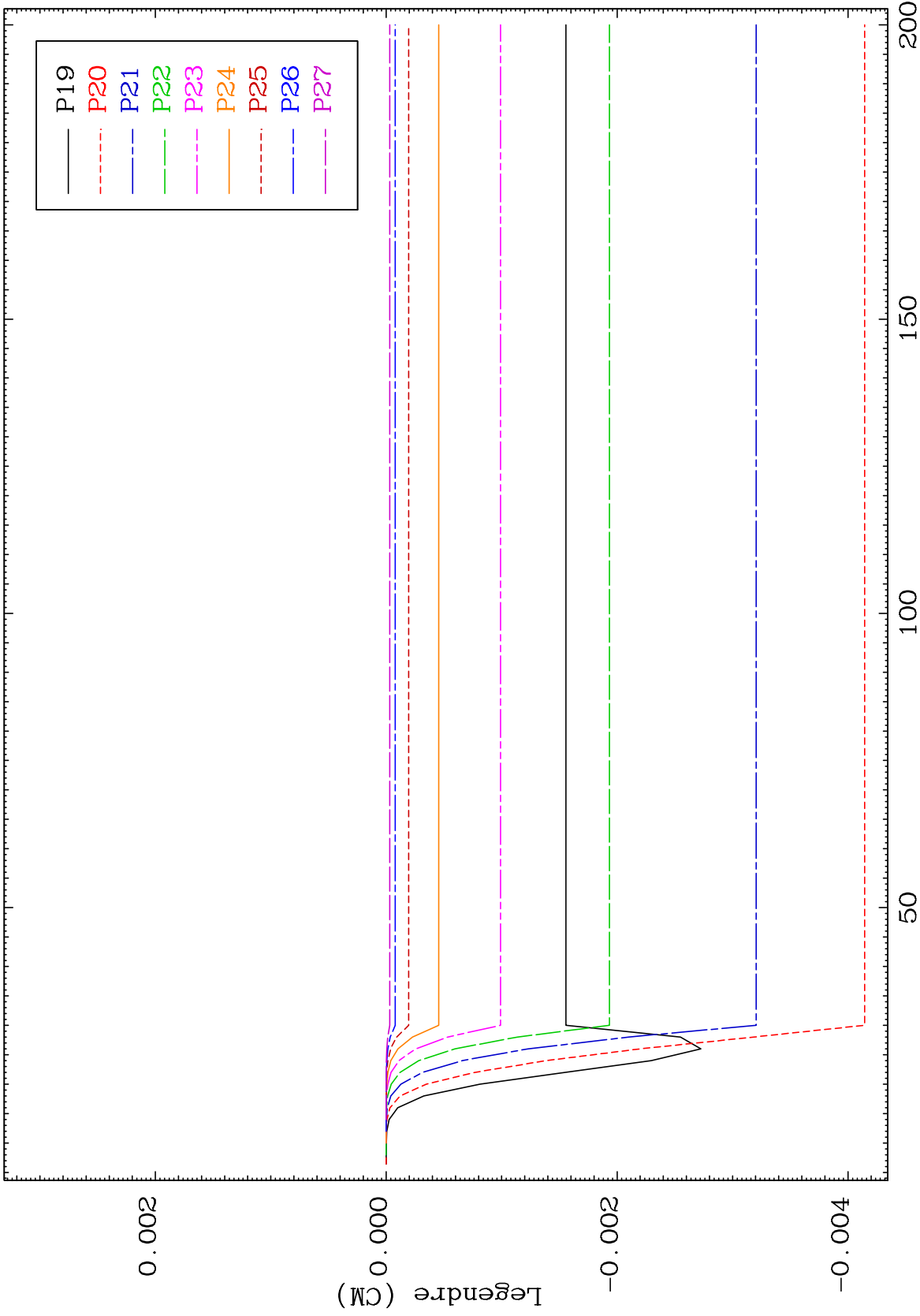
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168

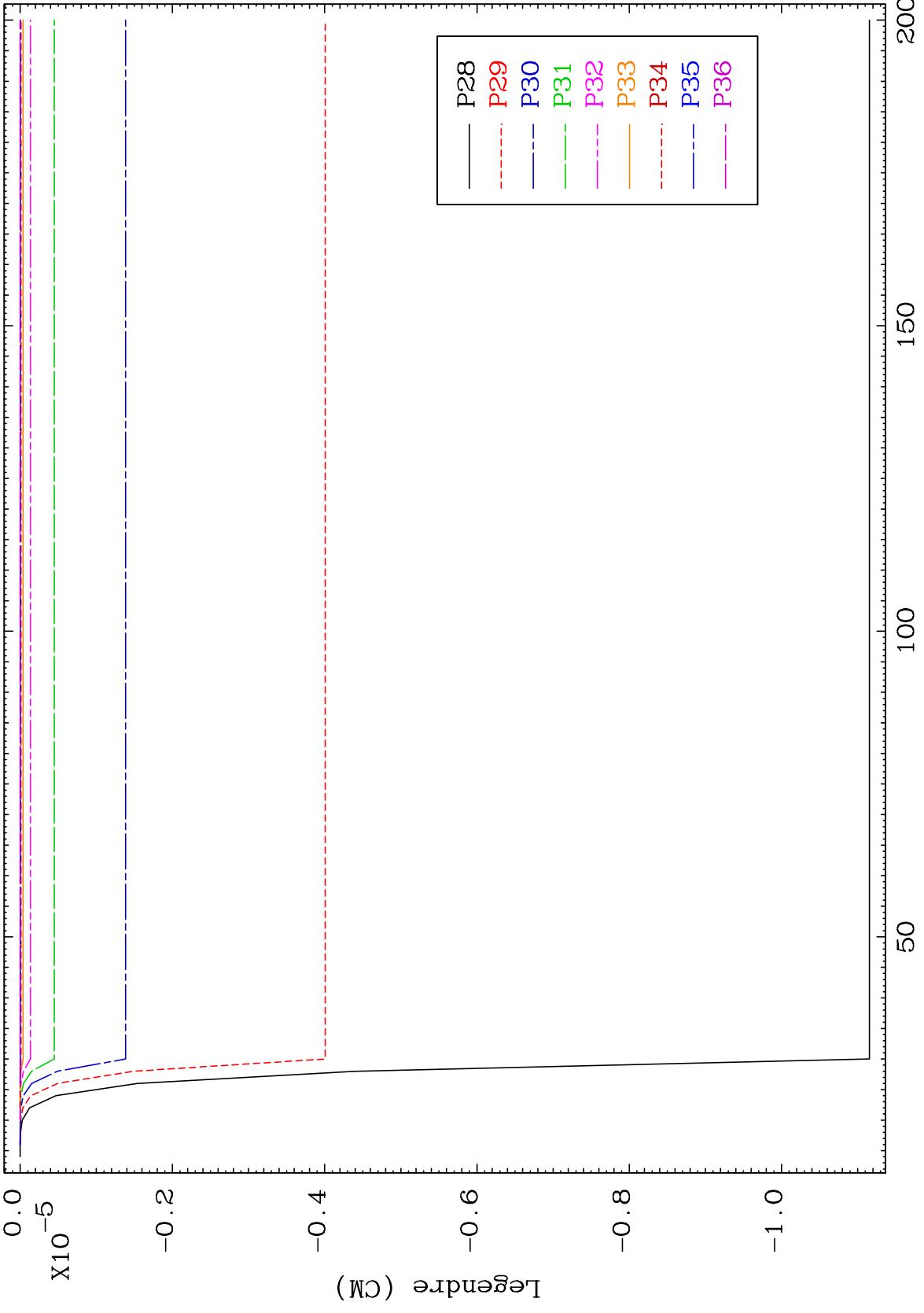


90

Incident Energy (MeV)

70-Yb-168

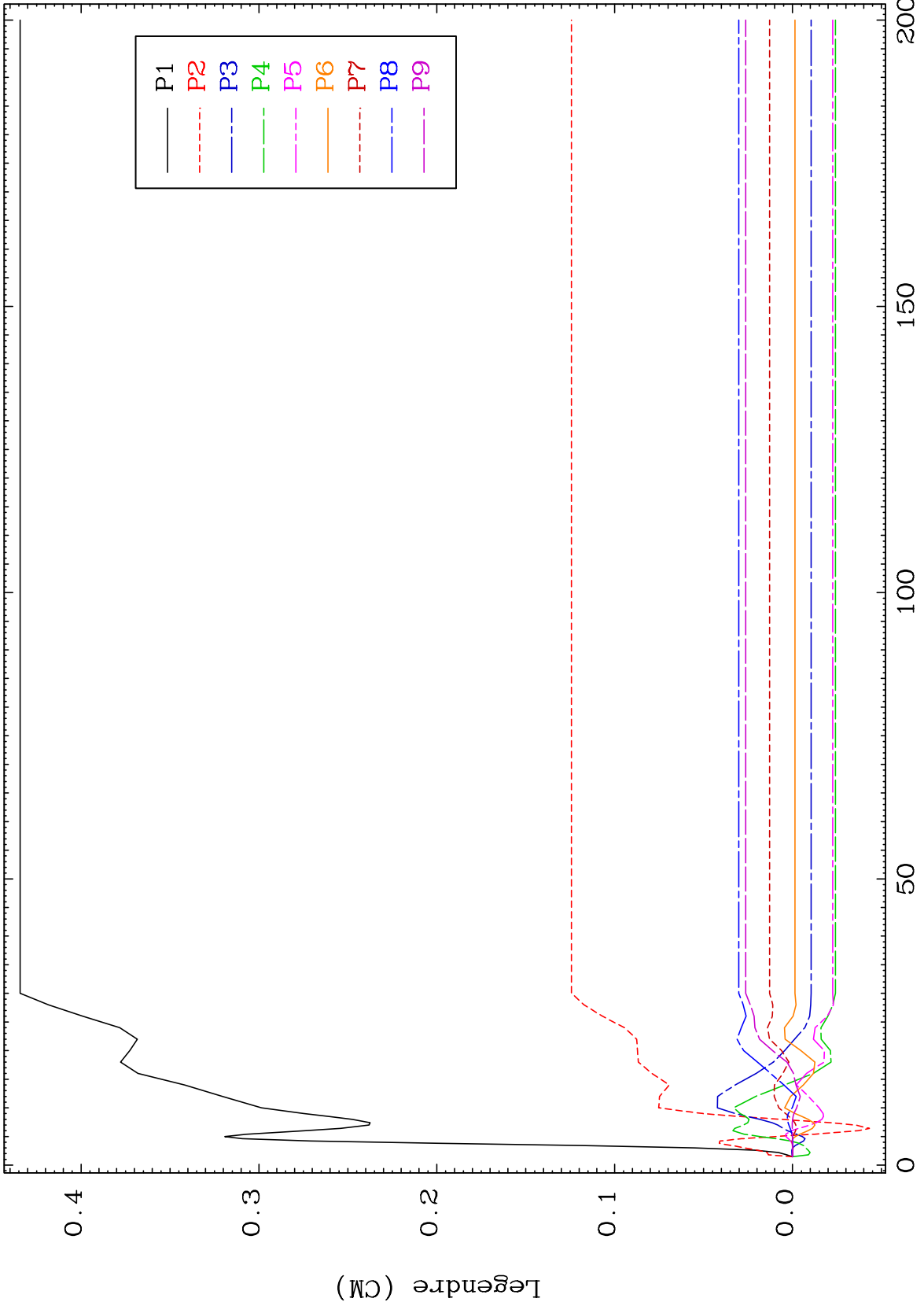
MAT 7025 MT= 70 (n, n') Level Legendre Coefficients 70-Yb-168



MAT 7025

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

70-Yb-168



92

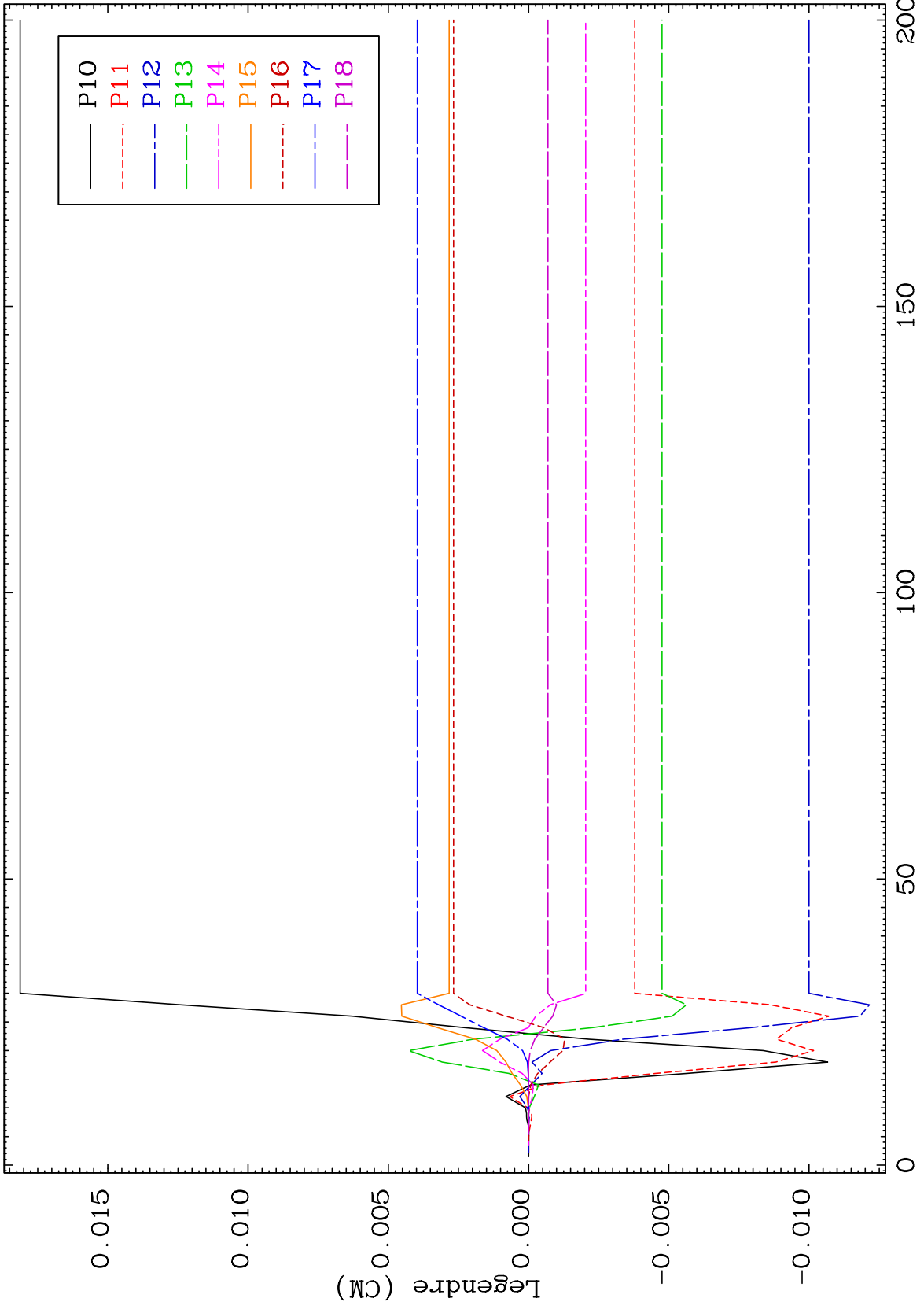
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168



93

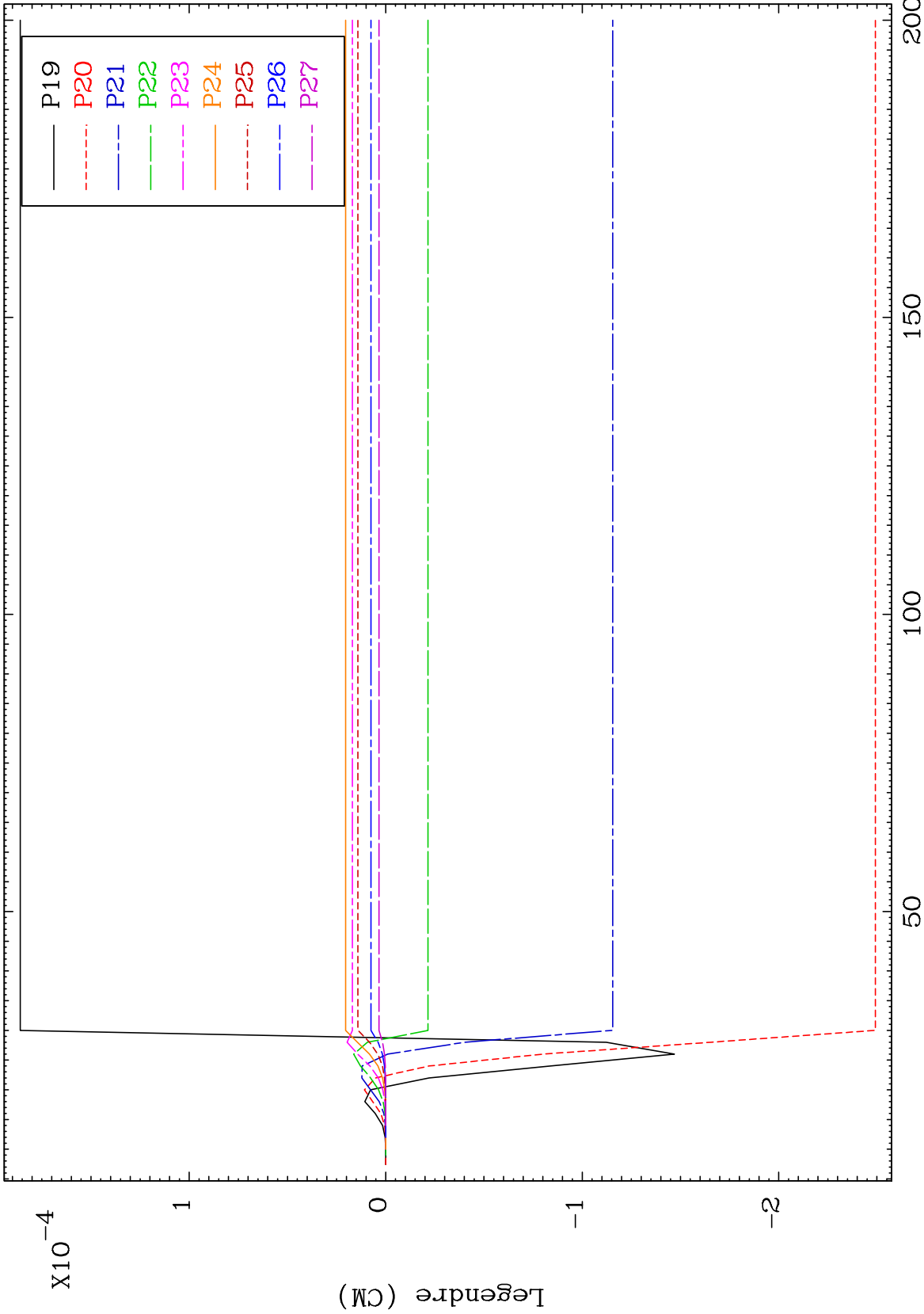
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168



94

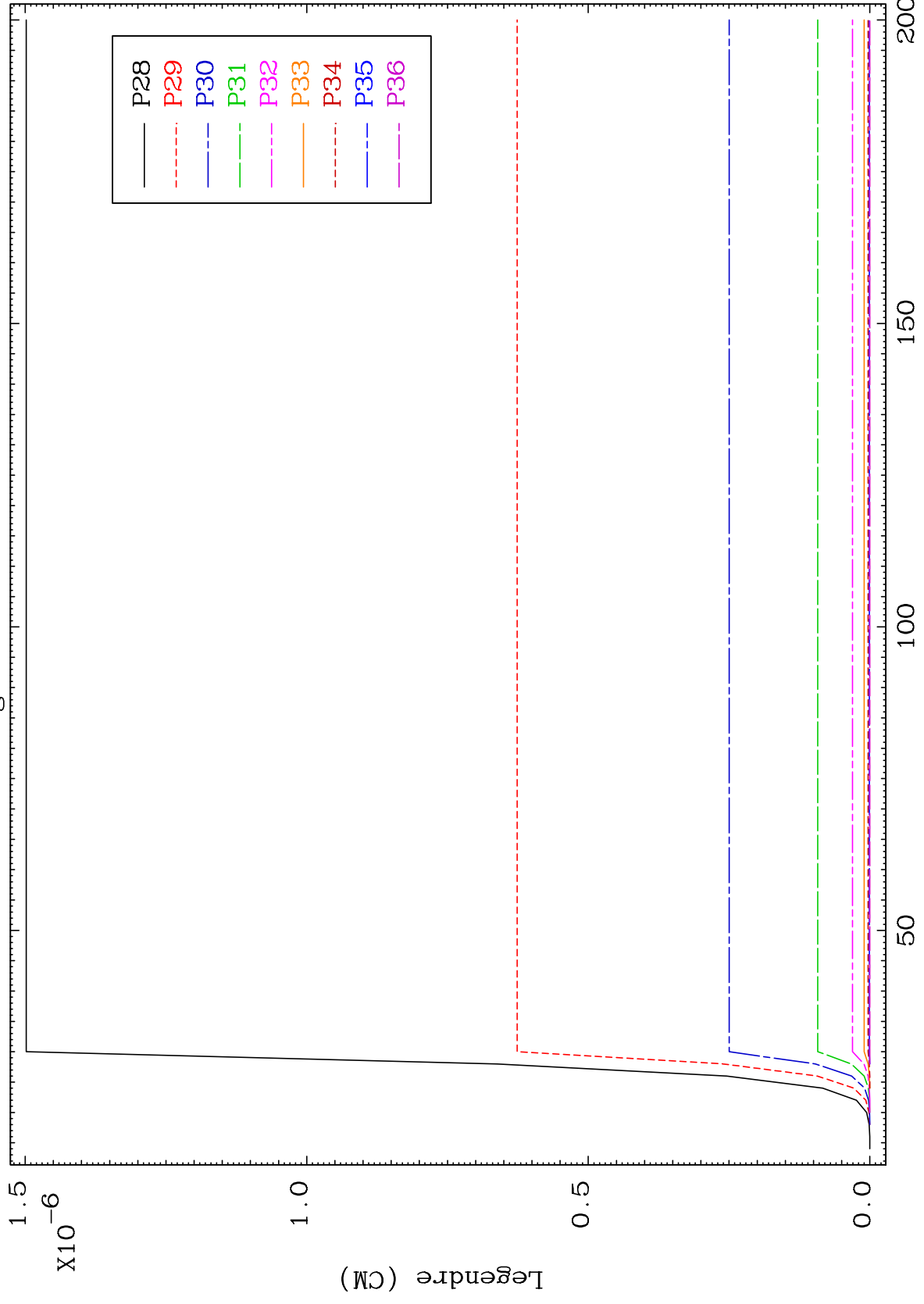
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168

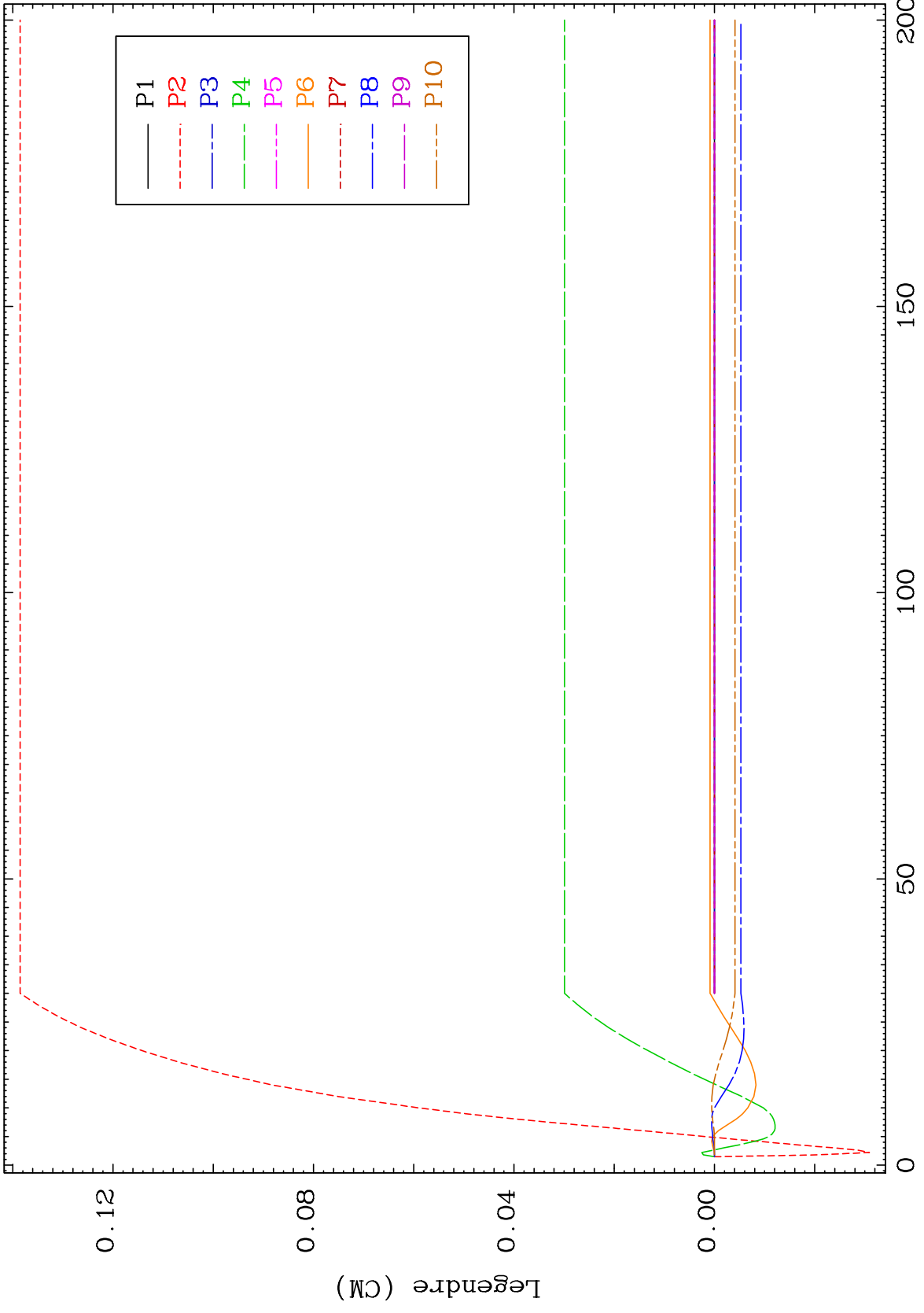


95

Incident Energy (MeV)

70-Yb-168

MAT 7025 MT= 72 (n,n') Level Legendre Coefficients 70-Yb-168

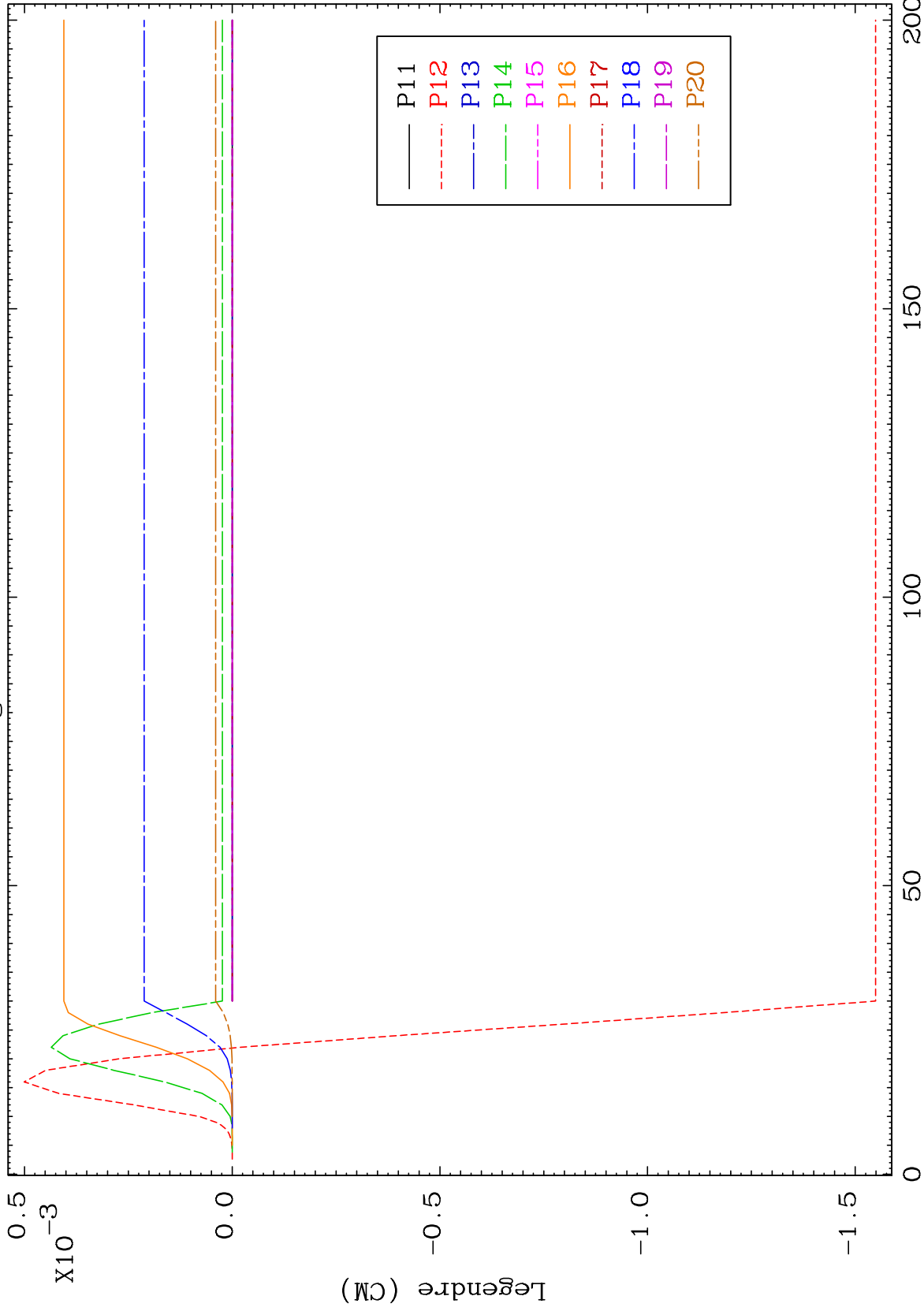


96 70-Yb-168

MAT 7025

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

70-Yb-168



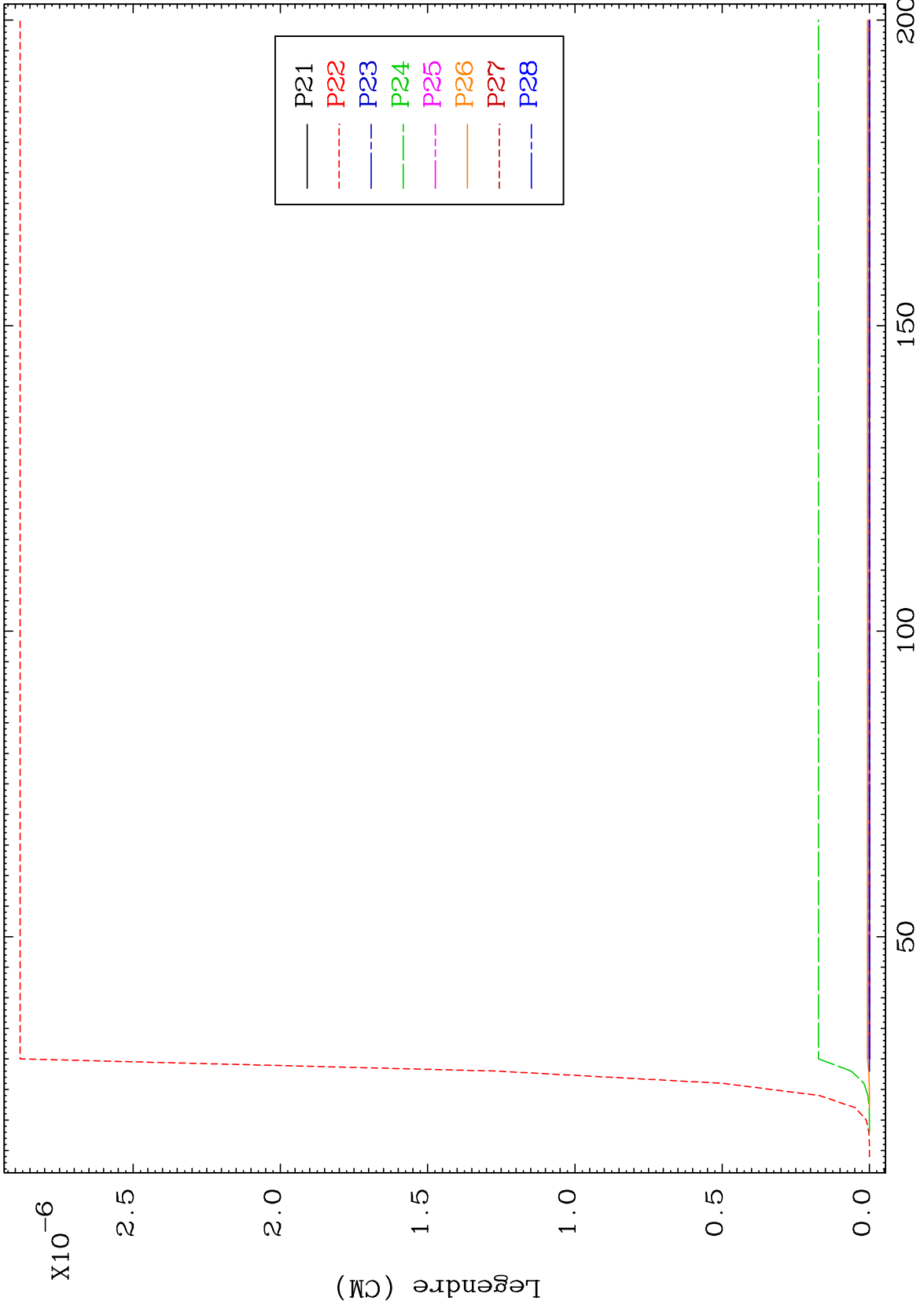
97

70-Yb-168

MAT 7025

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

70-Yb-168



98

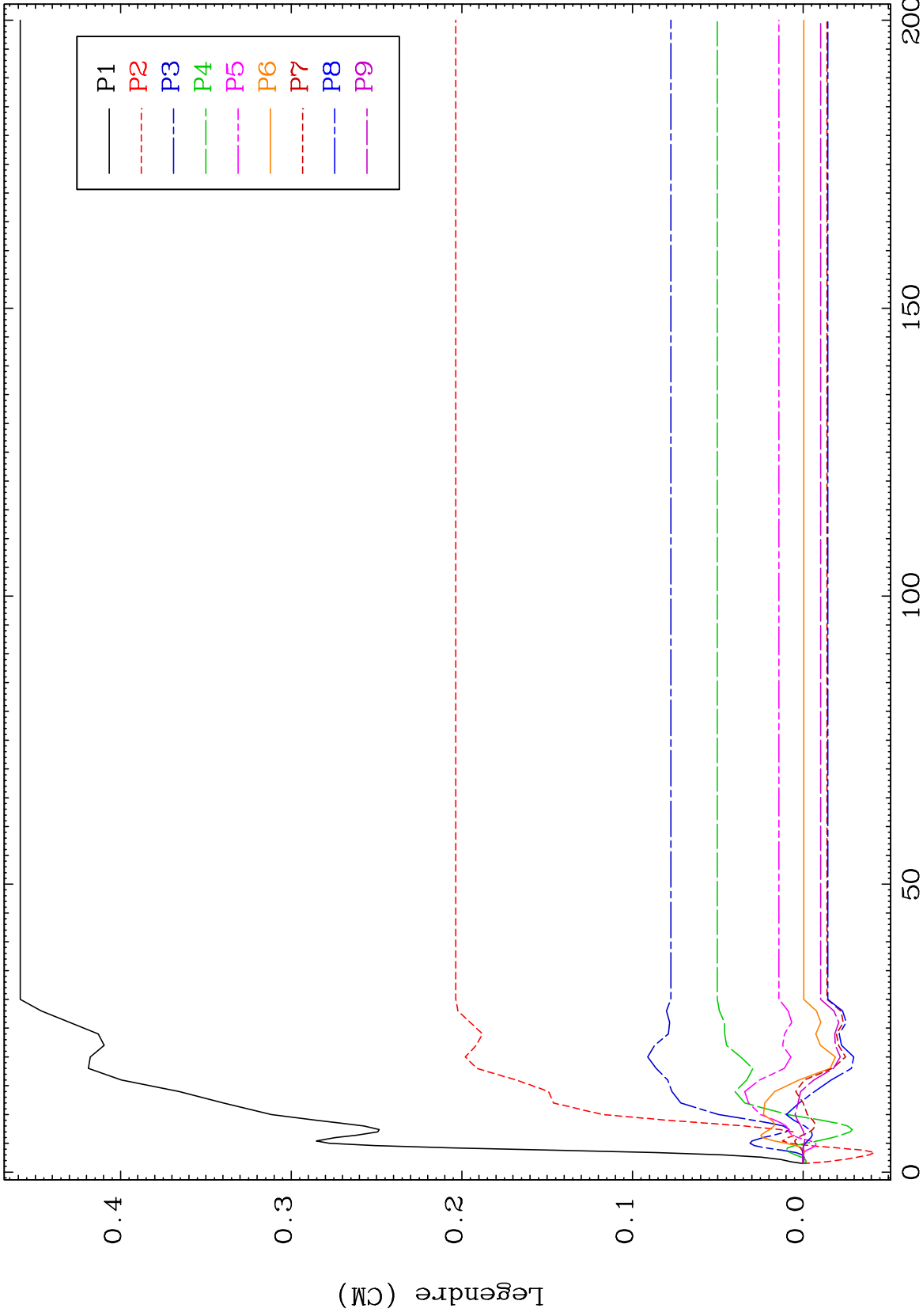
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168



99

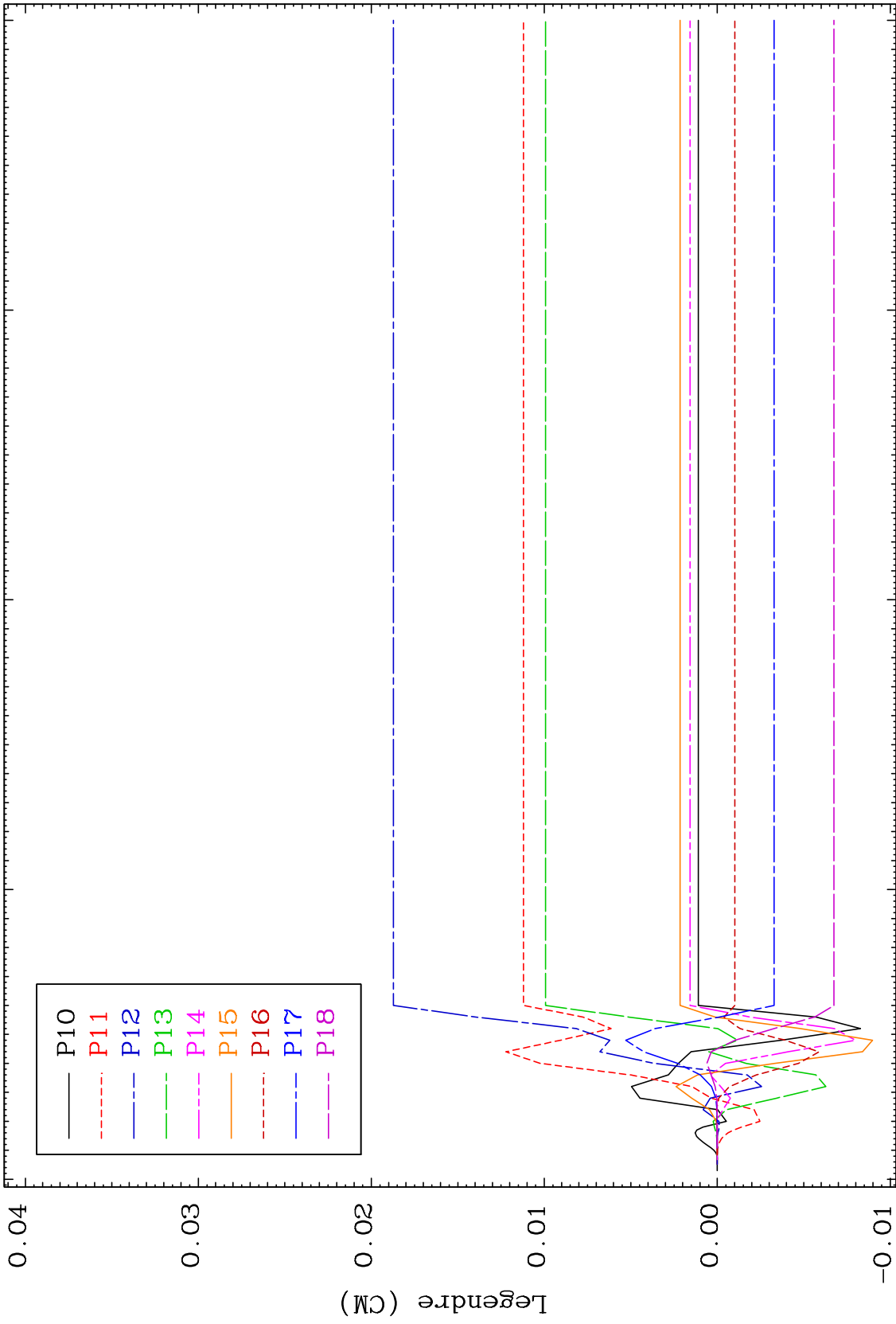
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168



70-Yb-168

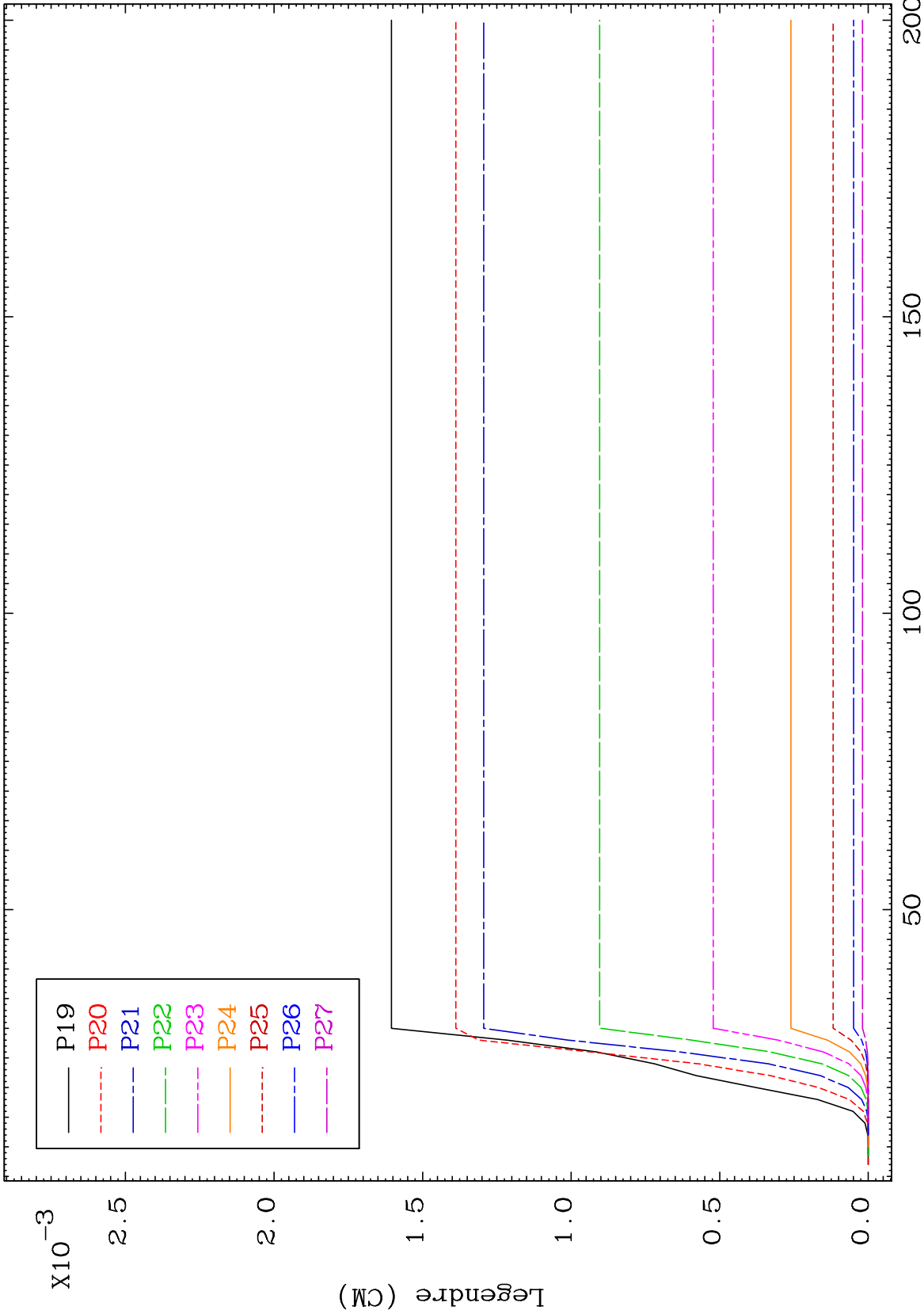
Incident Energy (MeV)

100

MAT 7025

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

70-Yb-168



101

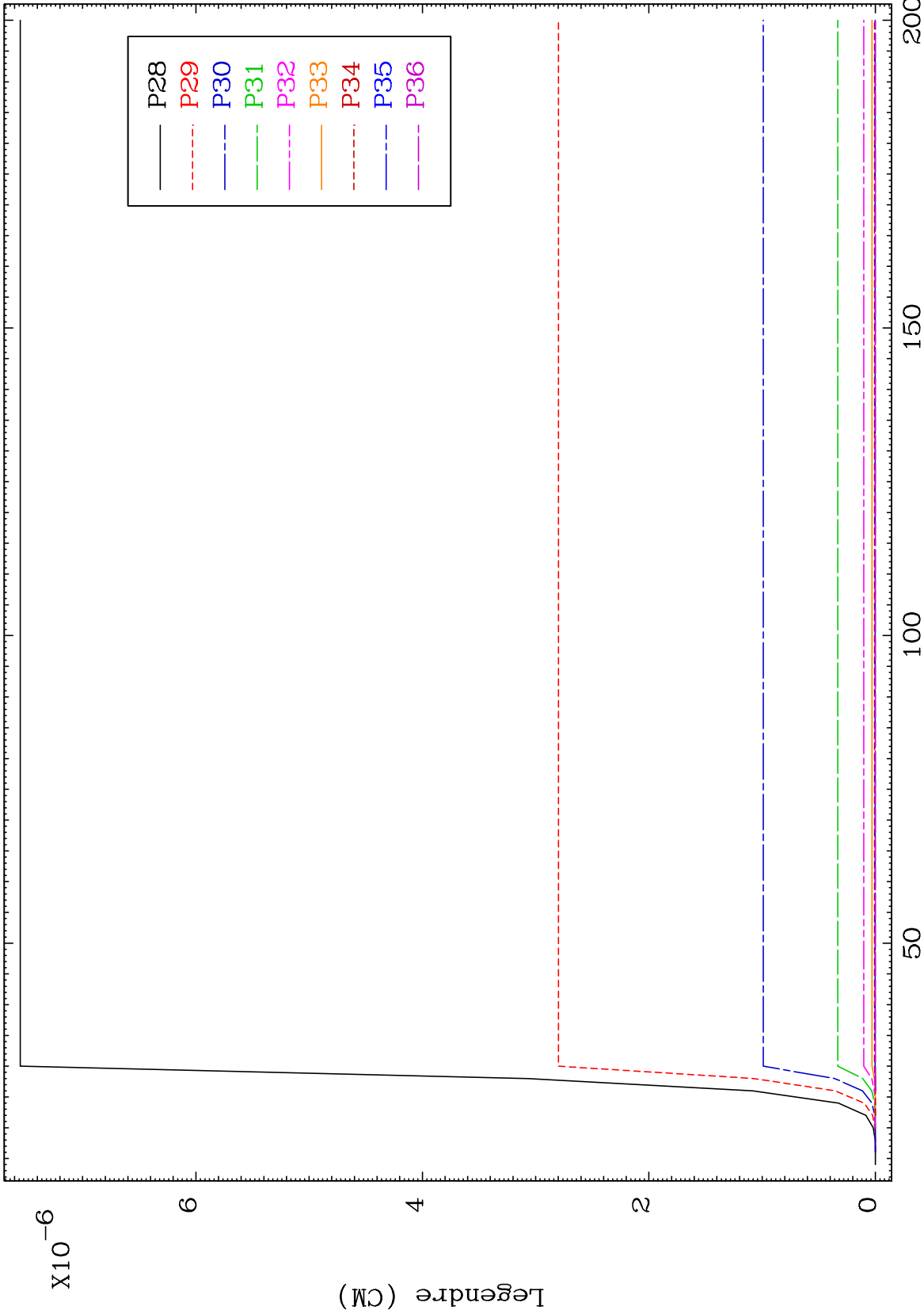
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168



102

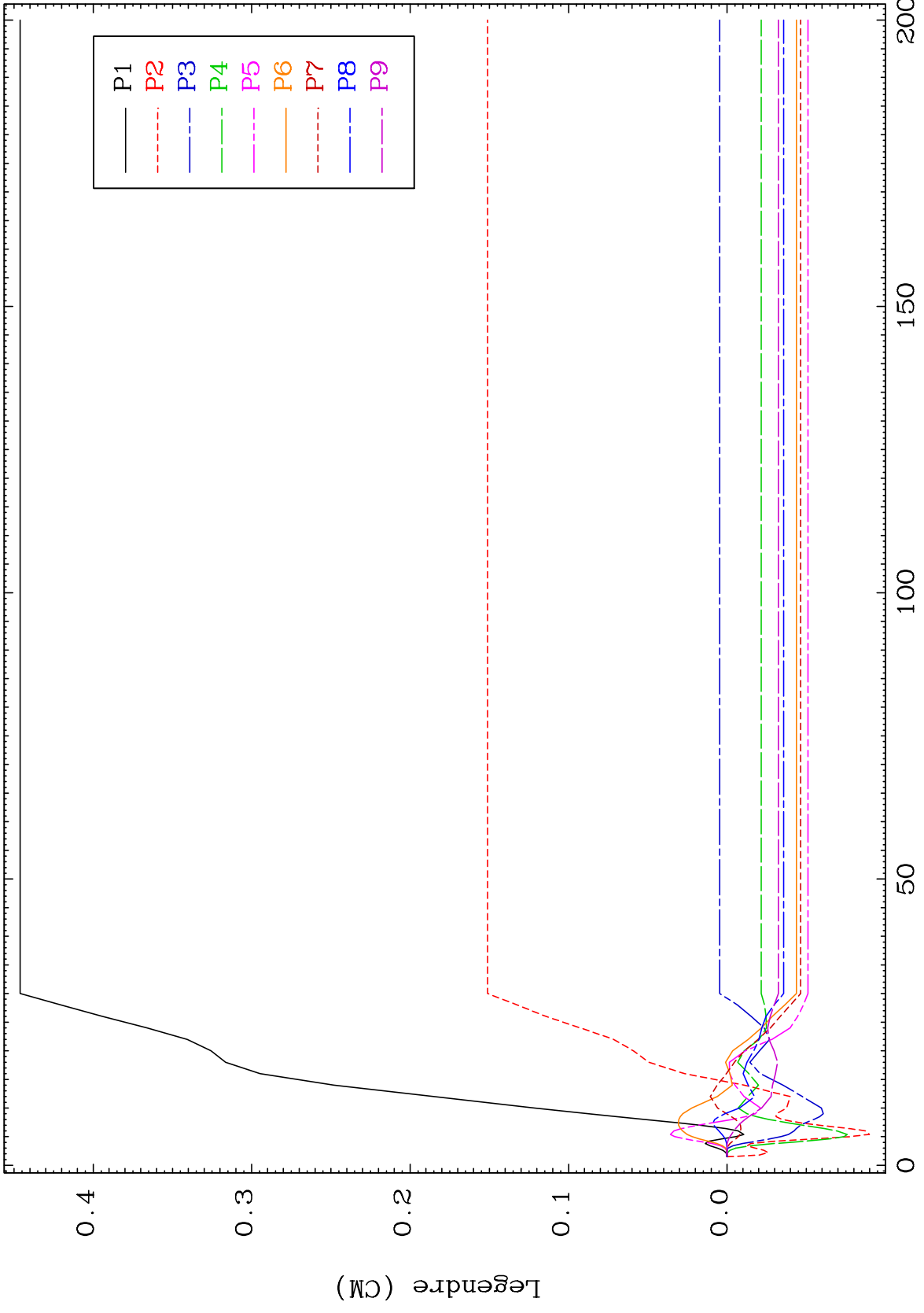
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168



70-Yb-168

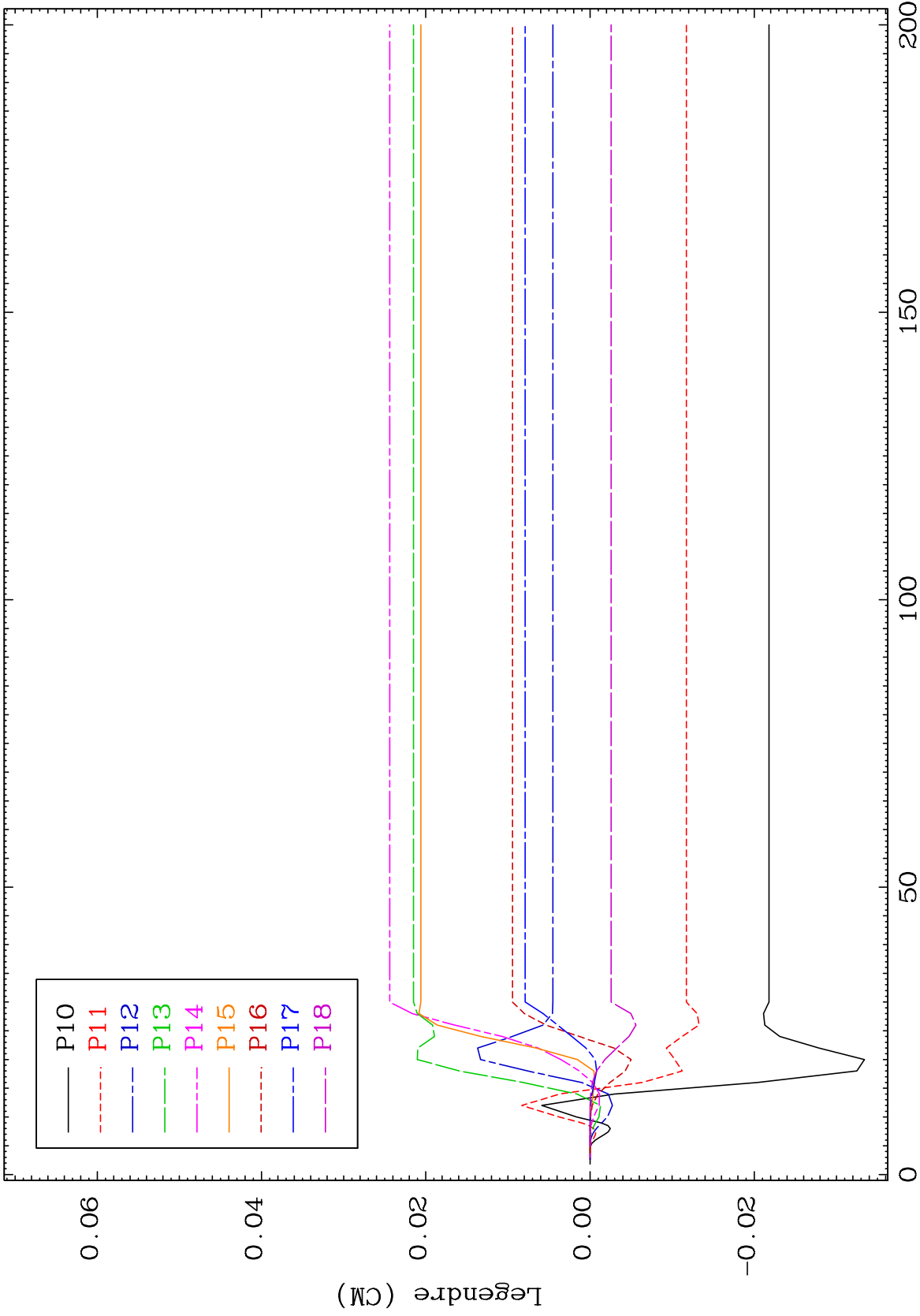
Incident Energy (MeV)

103

MAT 7025

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

70-Yb-168



104

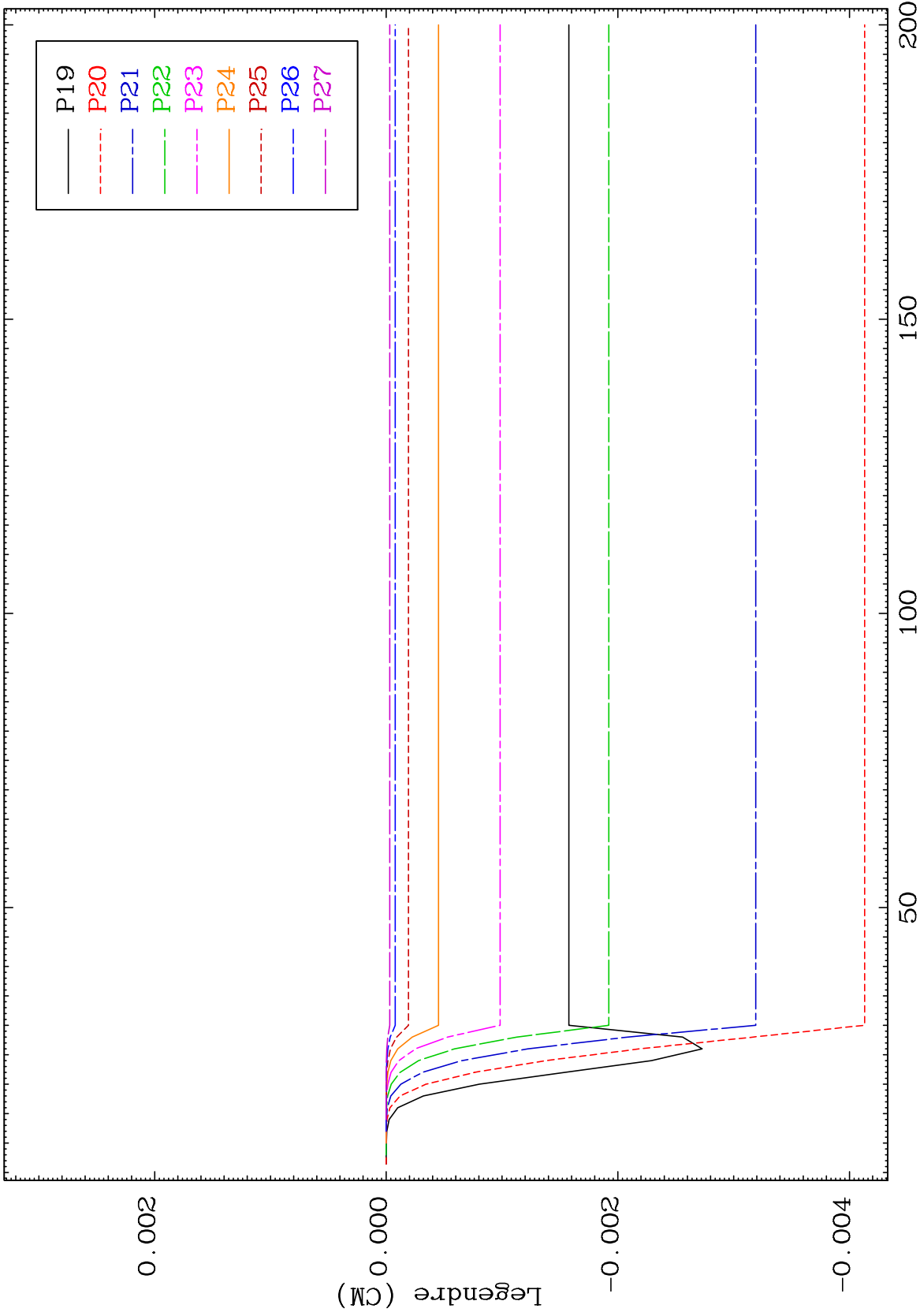
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168

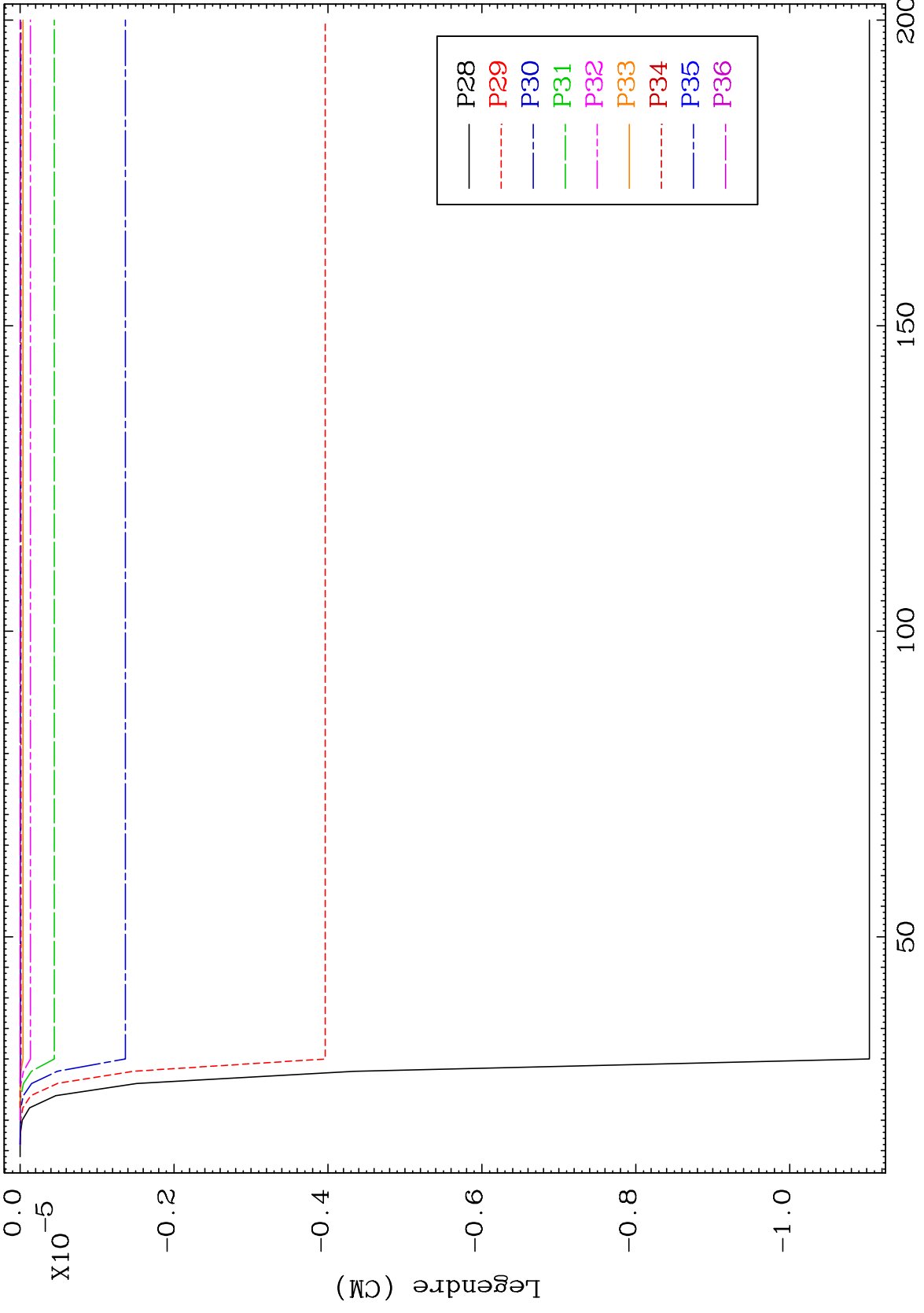


105

Incident Energy (MeV)

70-Yb-168

MAT 7025 MT= 74 (n, n') Level Legendre Coefficients 70-Yb-168

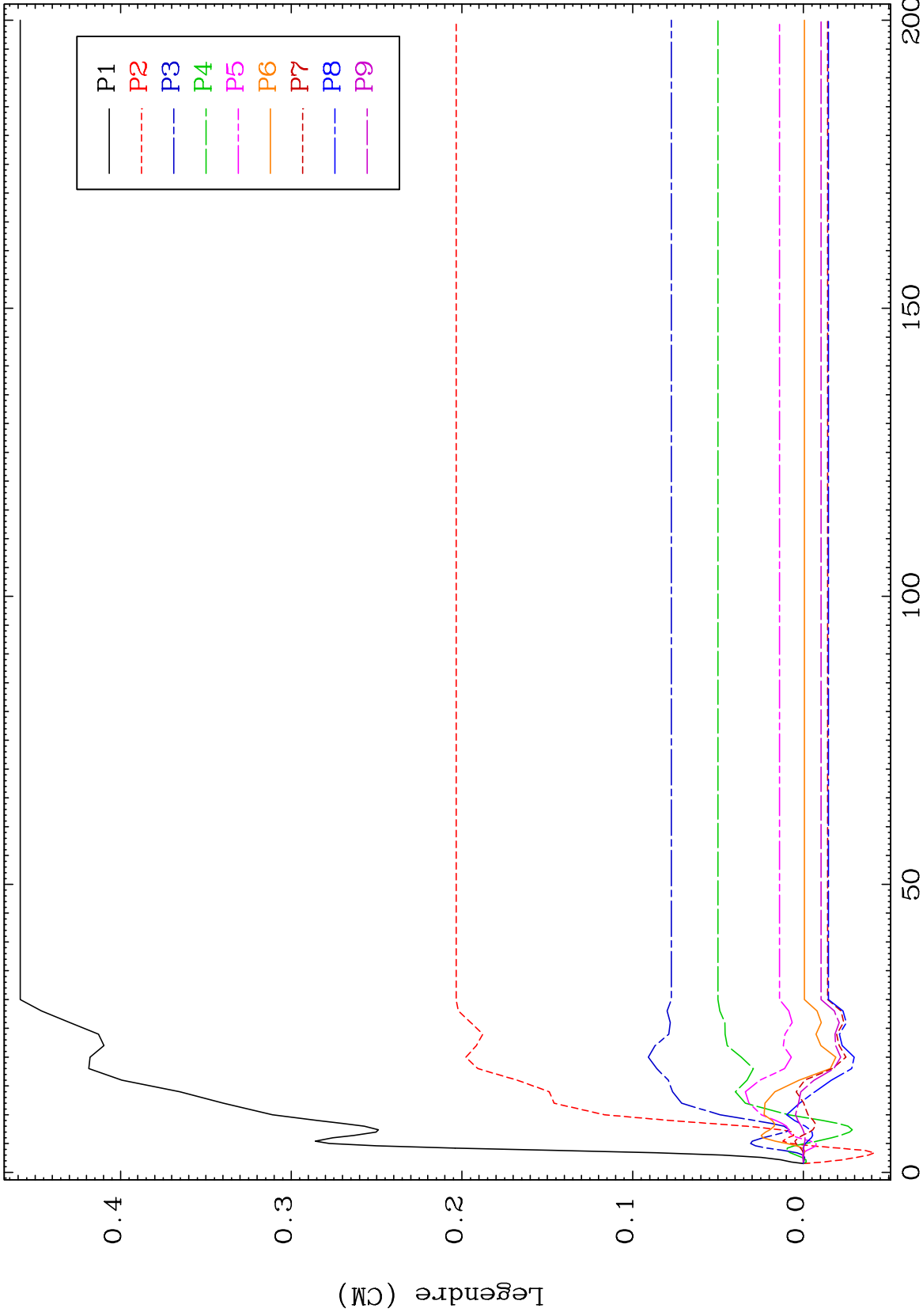


106 Incident Energy (MeV) 70-Yb-168

MAT 7025

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

70-Yb-168



107

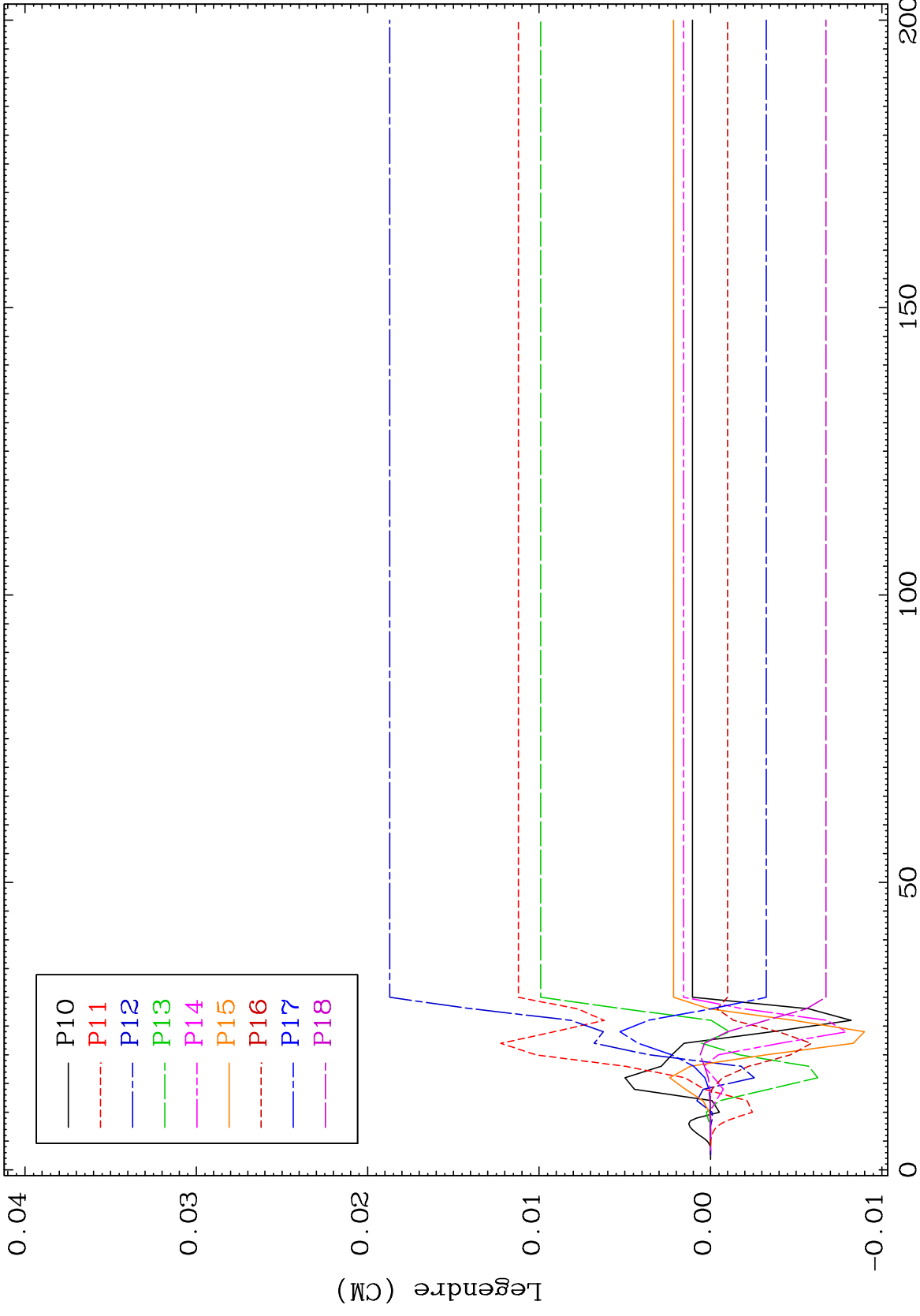
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168



108

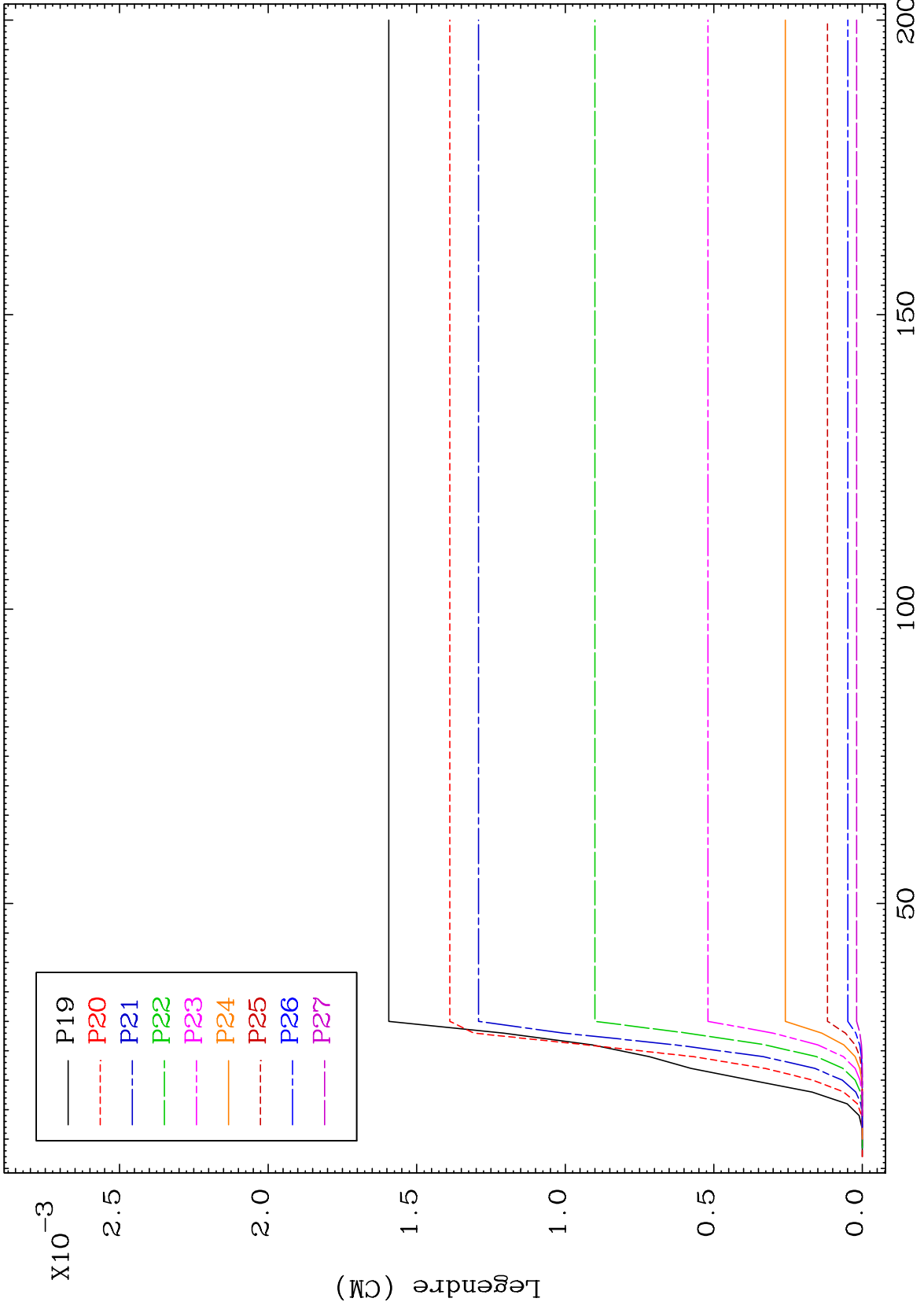
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168



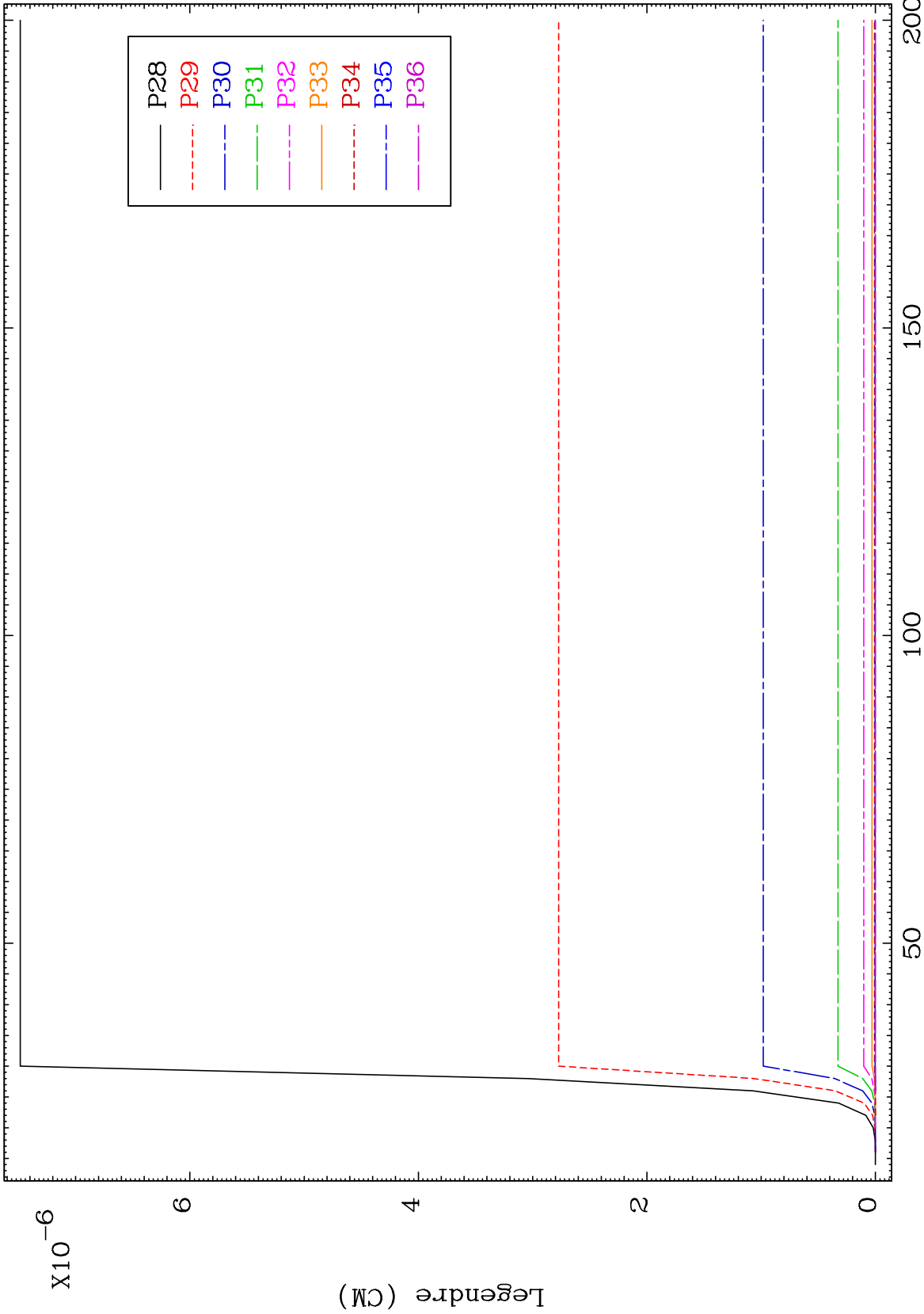
109

70-Yb-168

MAT 7025

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

70-Yb-168

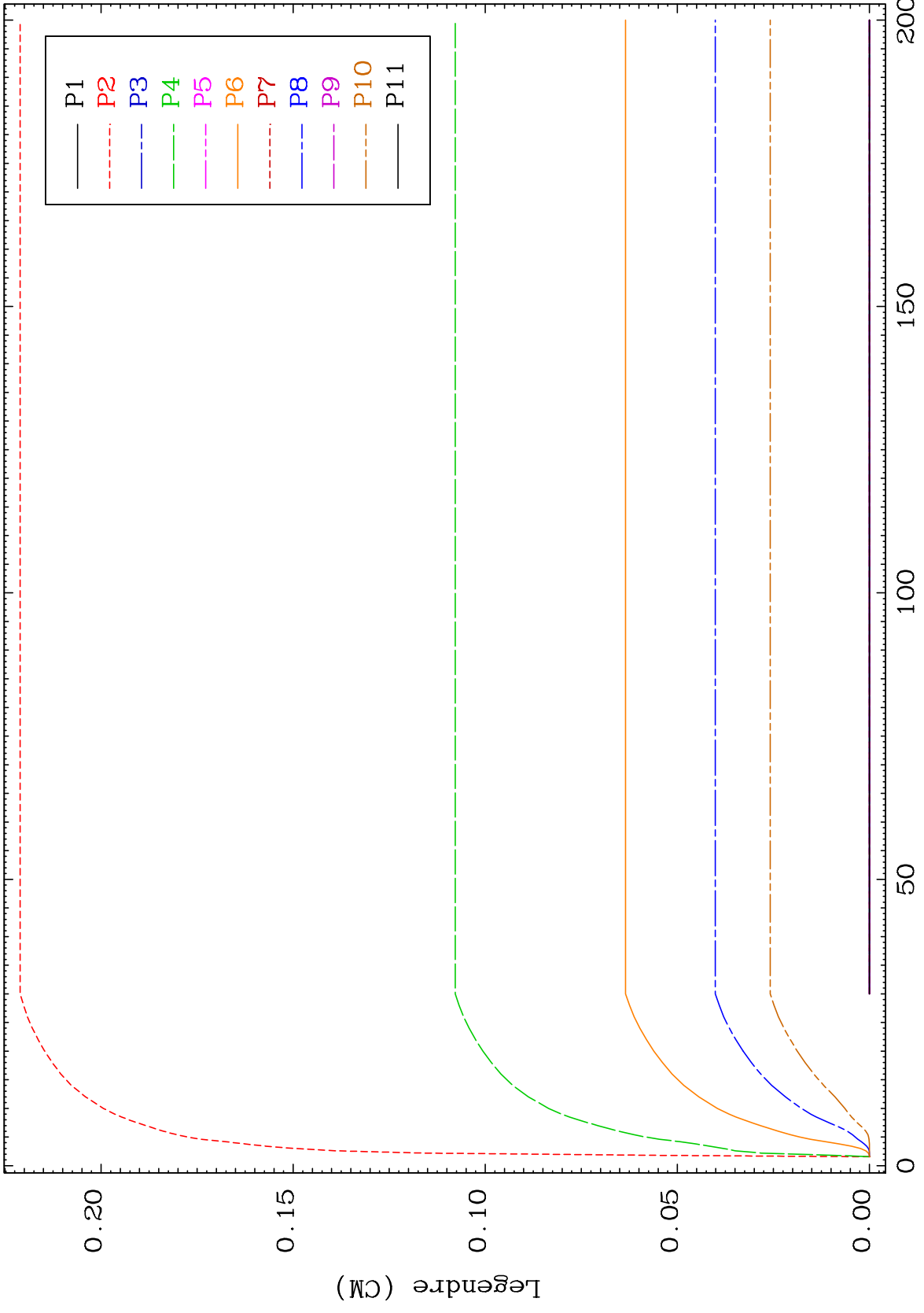


110

Incident Energy (MeV)

70-Yb-168

MAT 7025 MT= 76 (n,n') Level Legendre Coefficients 70-Yb-168

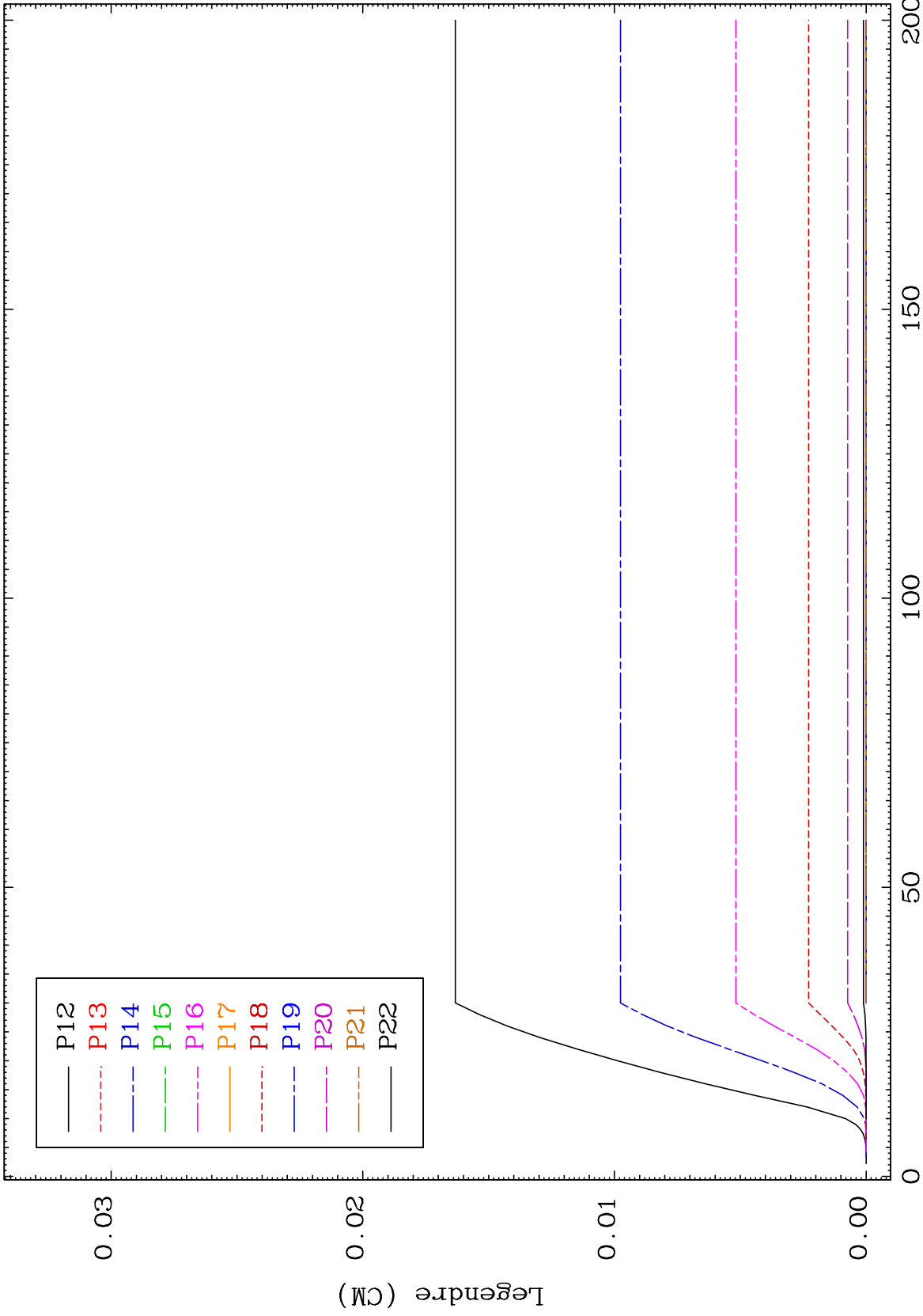


111 Incident Energy (MeV) 70-Yb-168

MAT 7025

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

70-Yb-168

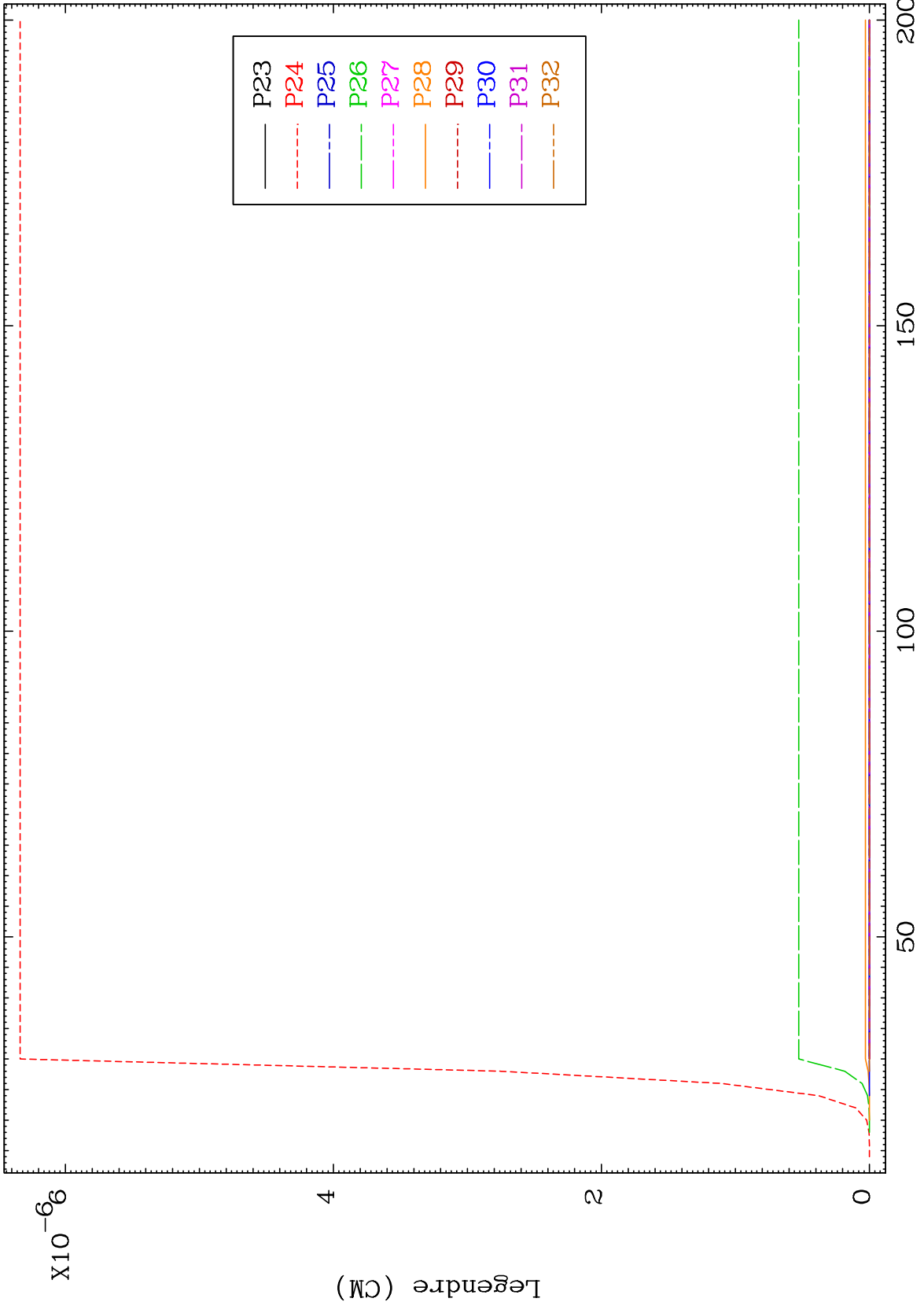


112

Incident Energy (MeV)

70-Yb-168

MAT 7025 MT= 76 (n,n') Level Legendre Coefficients 70-Yb-168

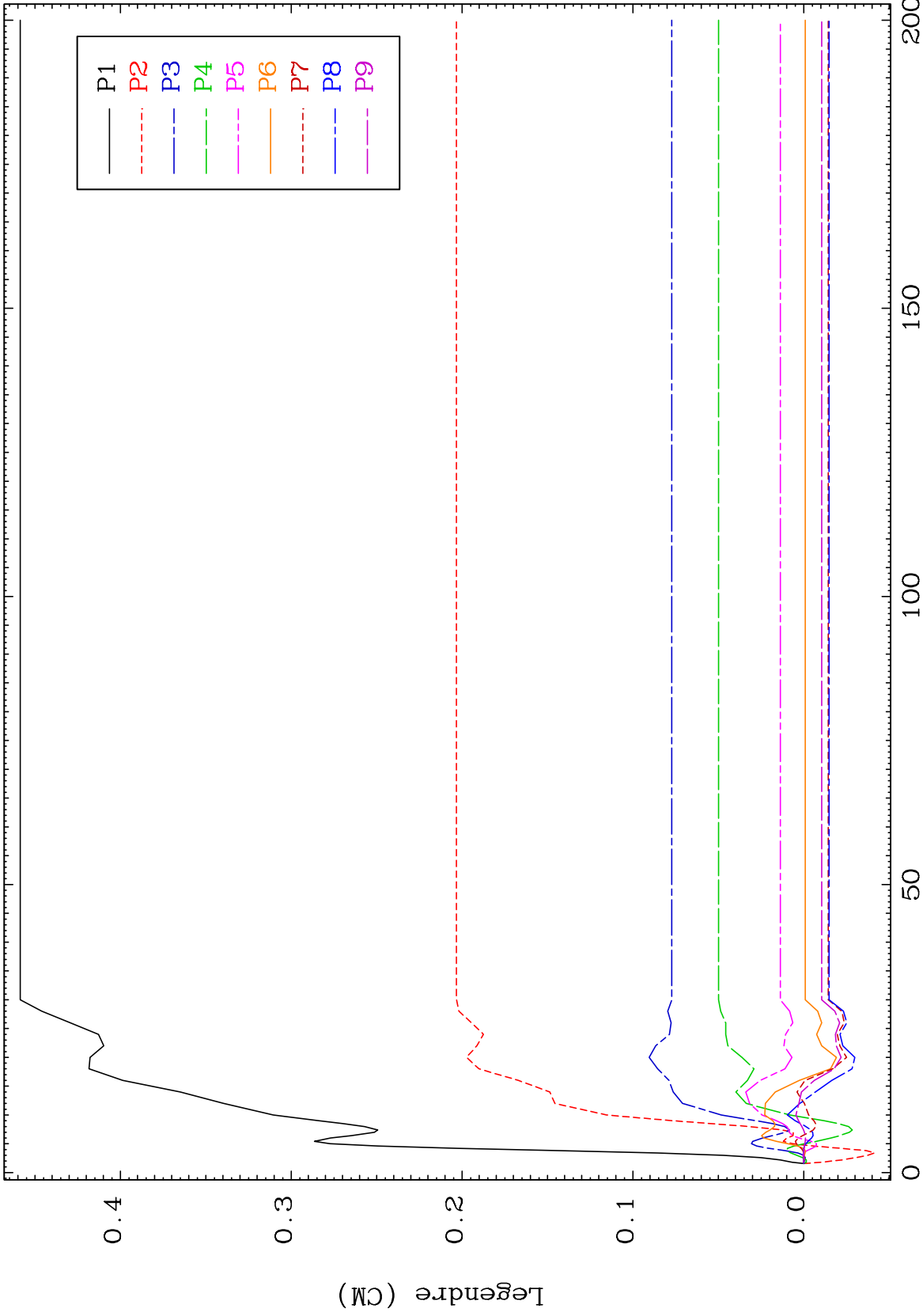


113 70-Yb-168

MAT 7025

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

70-Yb-168



70-Yb-168

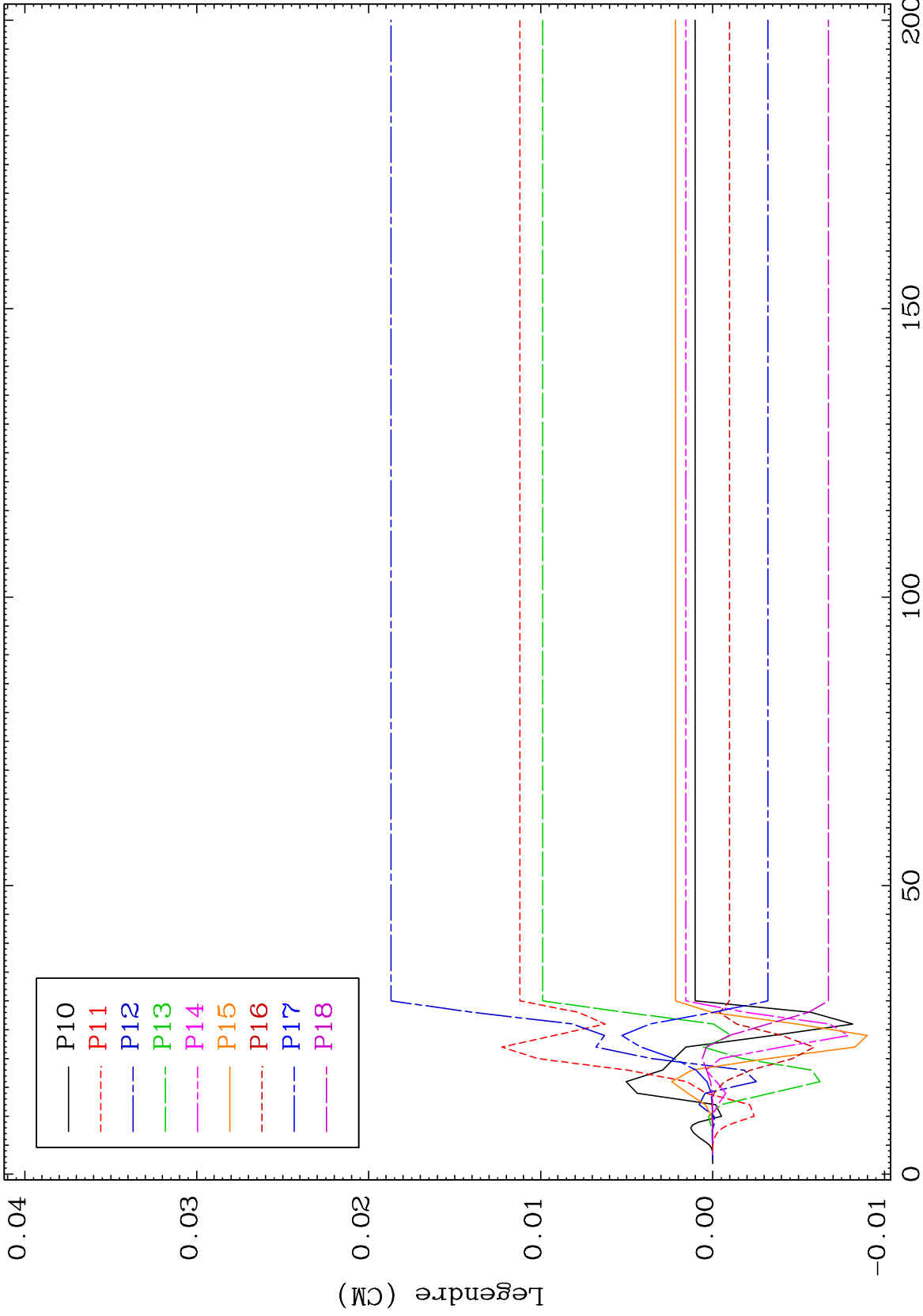
Incident Energy (MeV)

114

MAT 7025

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

70-Yb-168



115

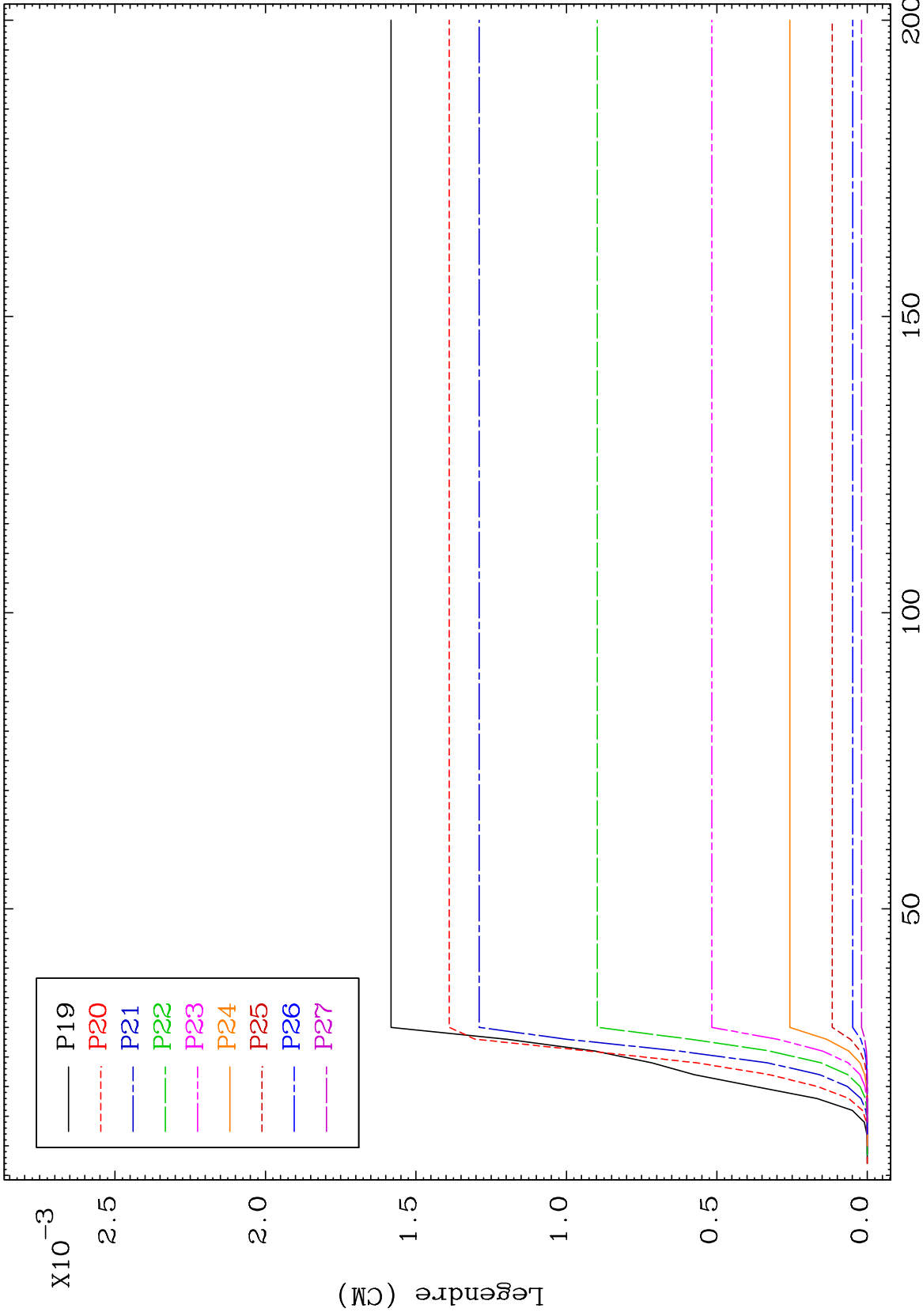
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168



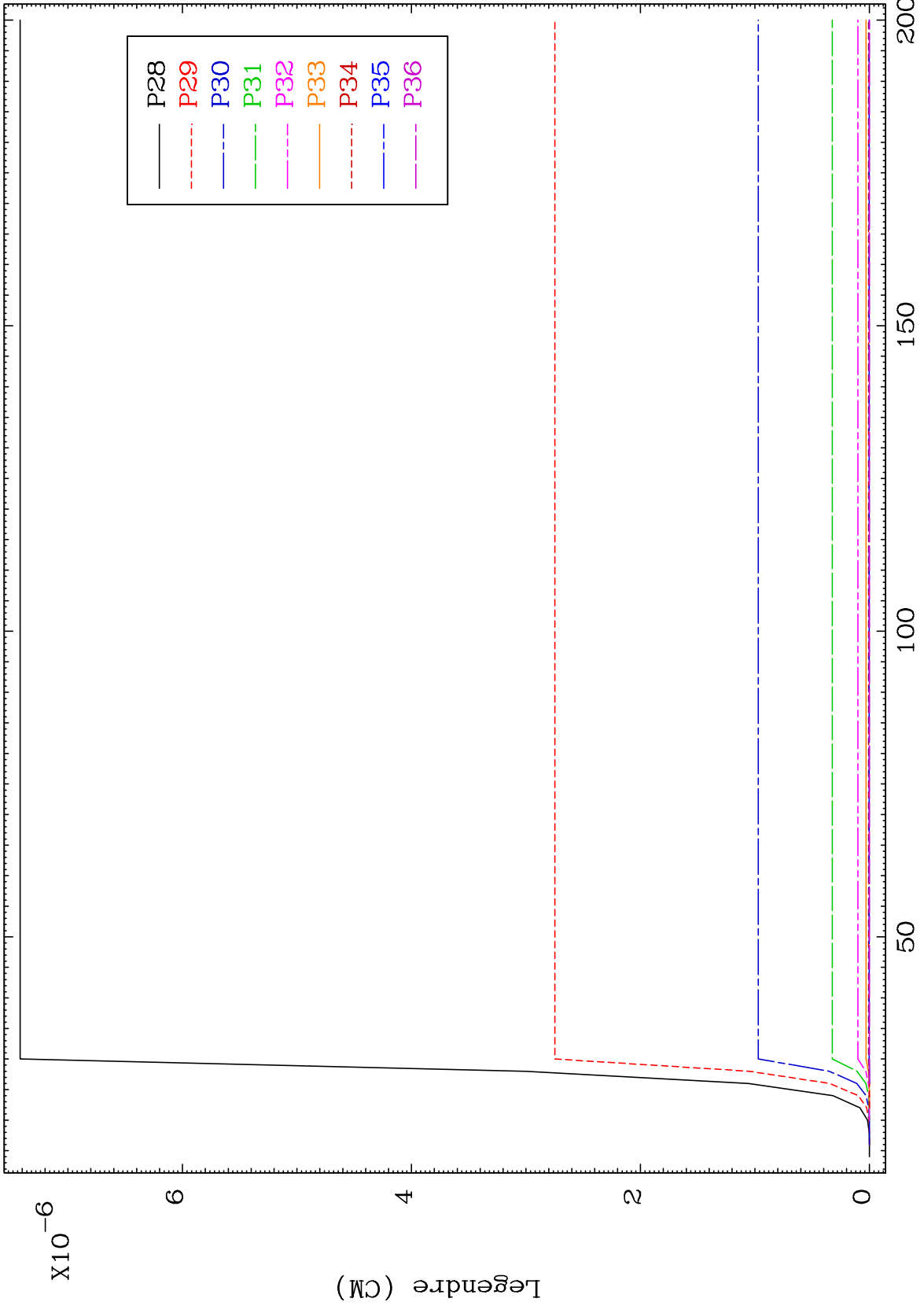
116

70-Yb-168

MAT 7025

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

70-Yb-168



117

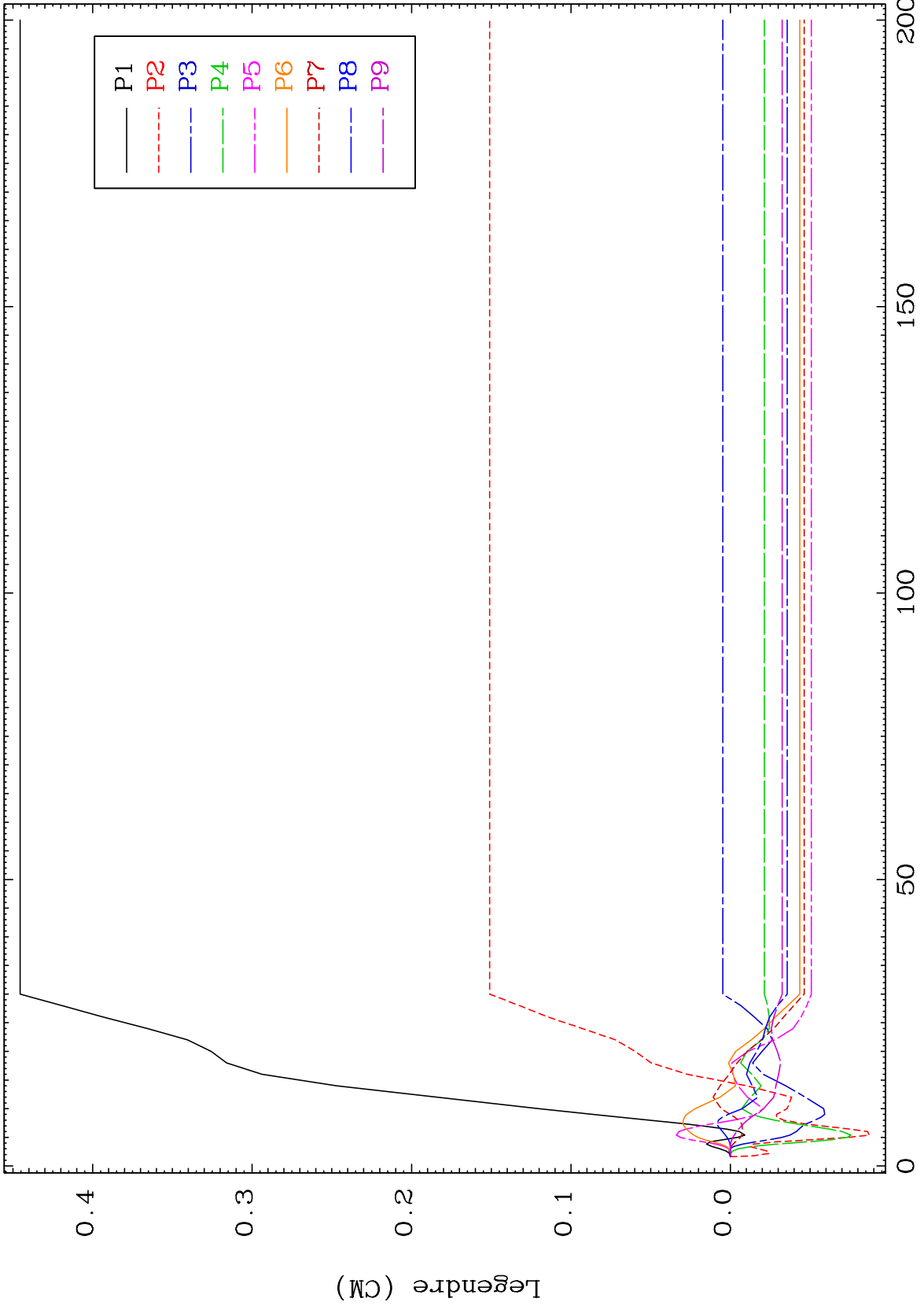
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168



118

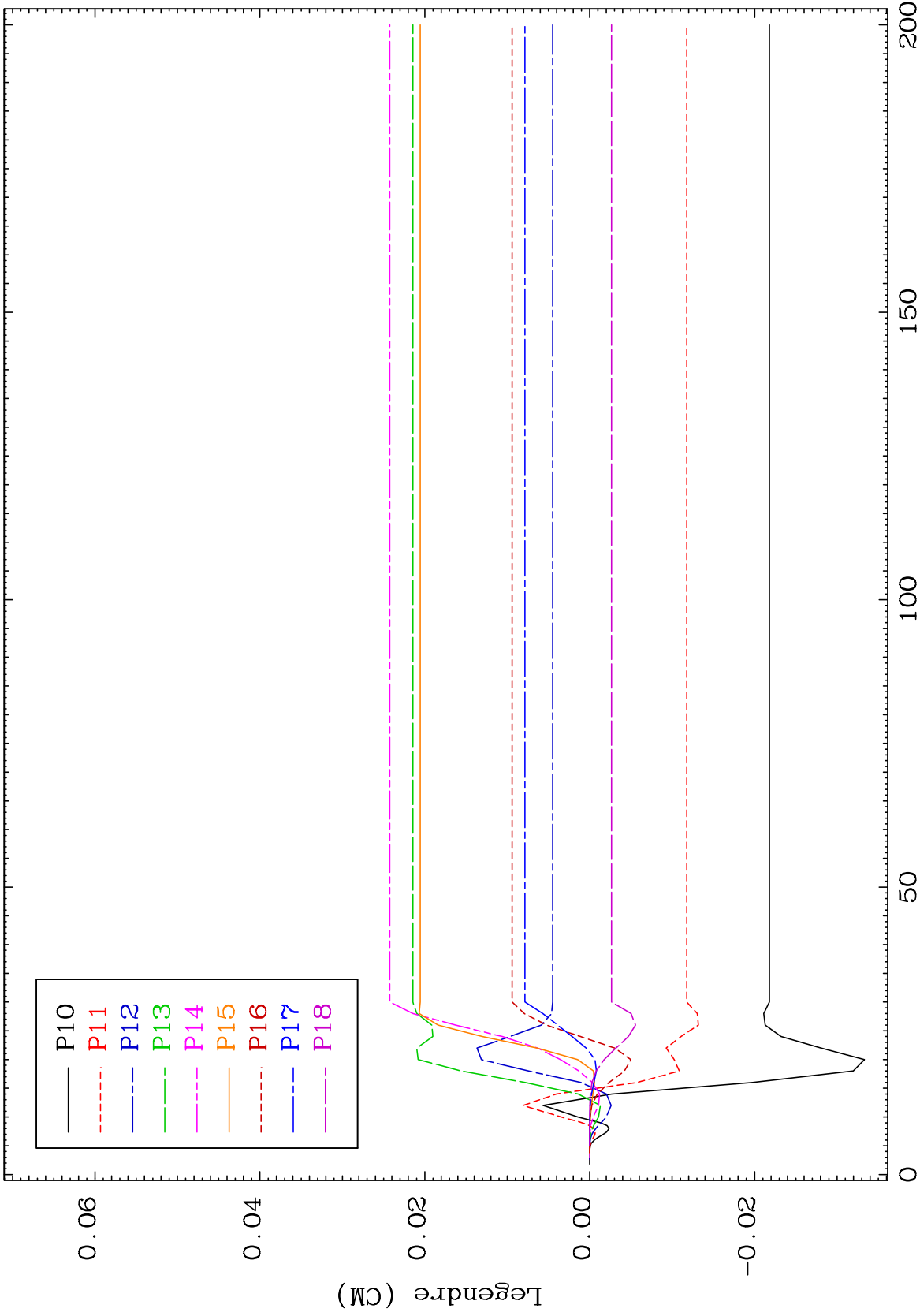
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168



119

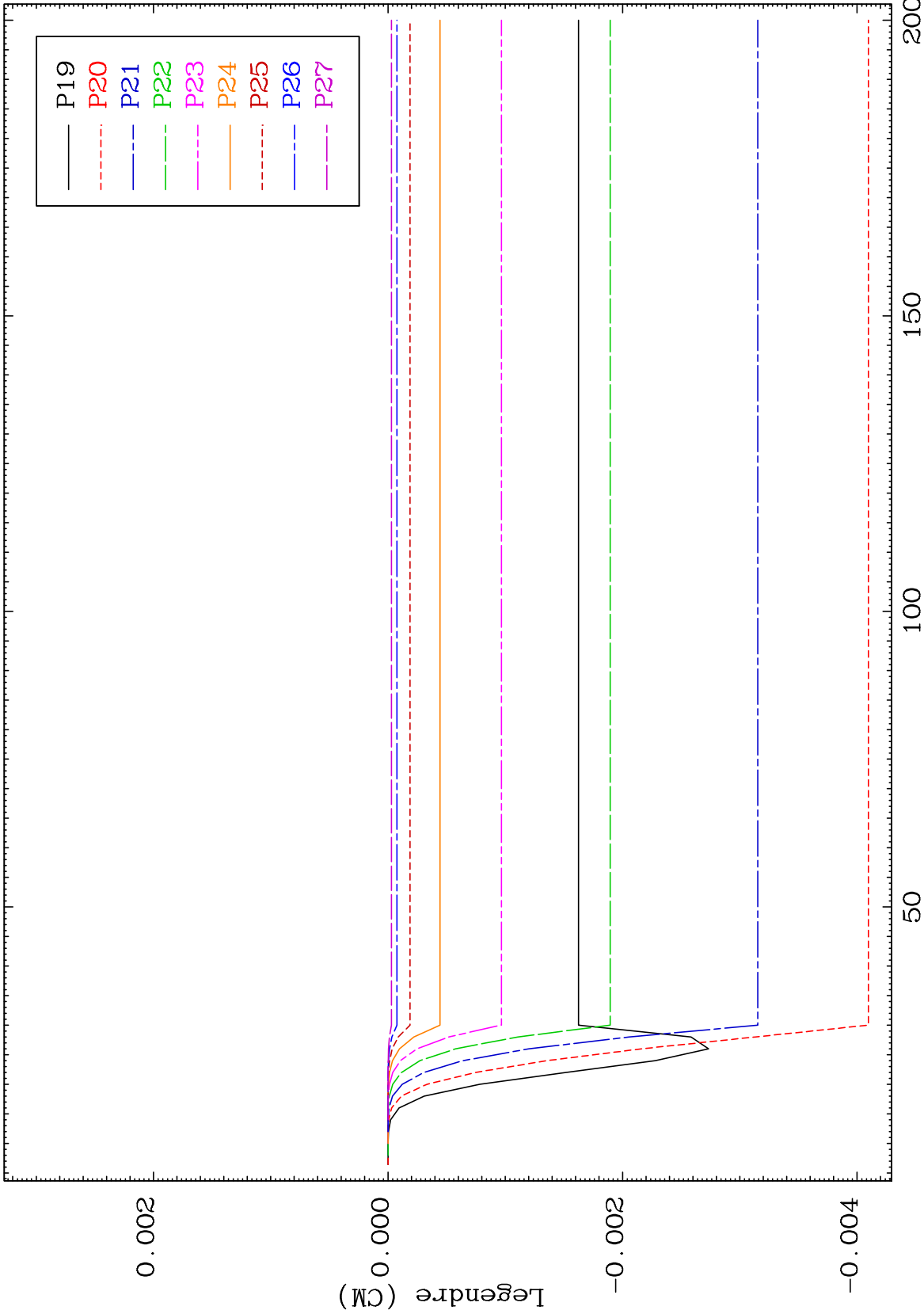
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168

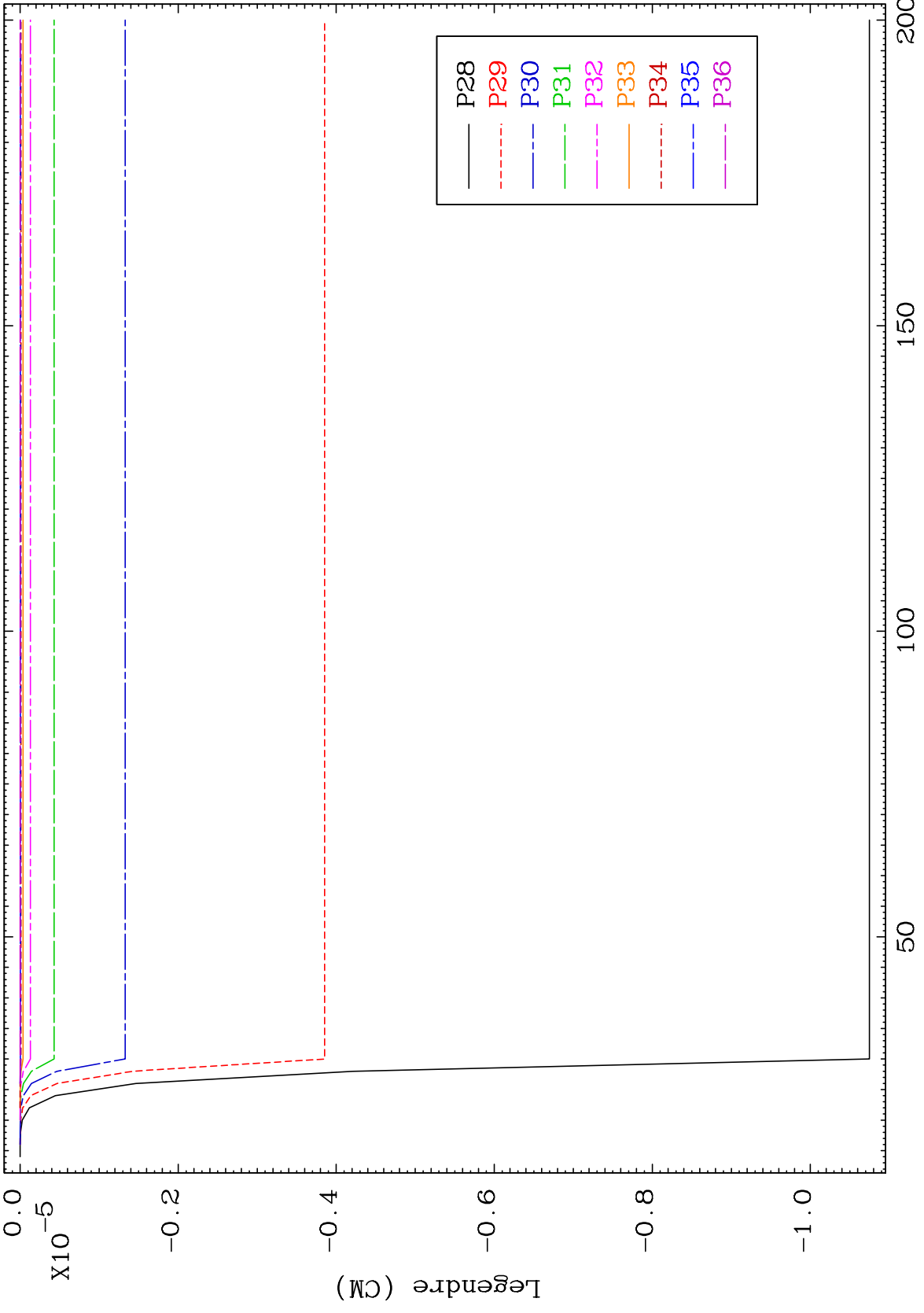


120

Incident Energy (MeV)

70-Yb-168

MAT 7025 MT= 78 (n,n') Level Legendre Coefficients 70-Yb-168

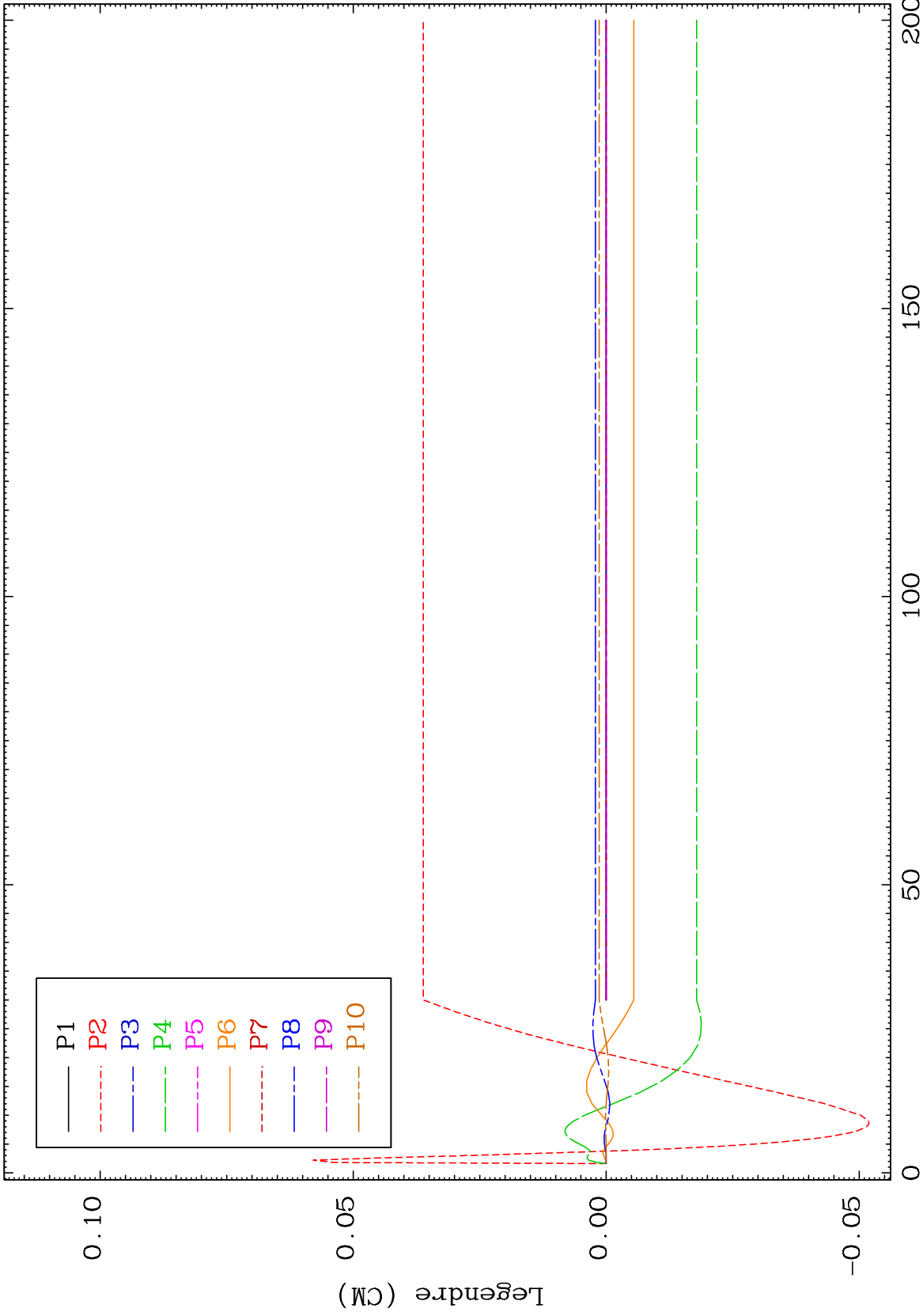


121 70-Yb-168

MAT 7025

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

70-Yb-168



122

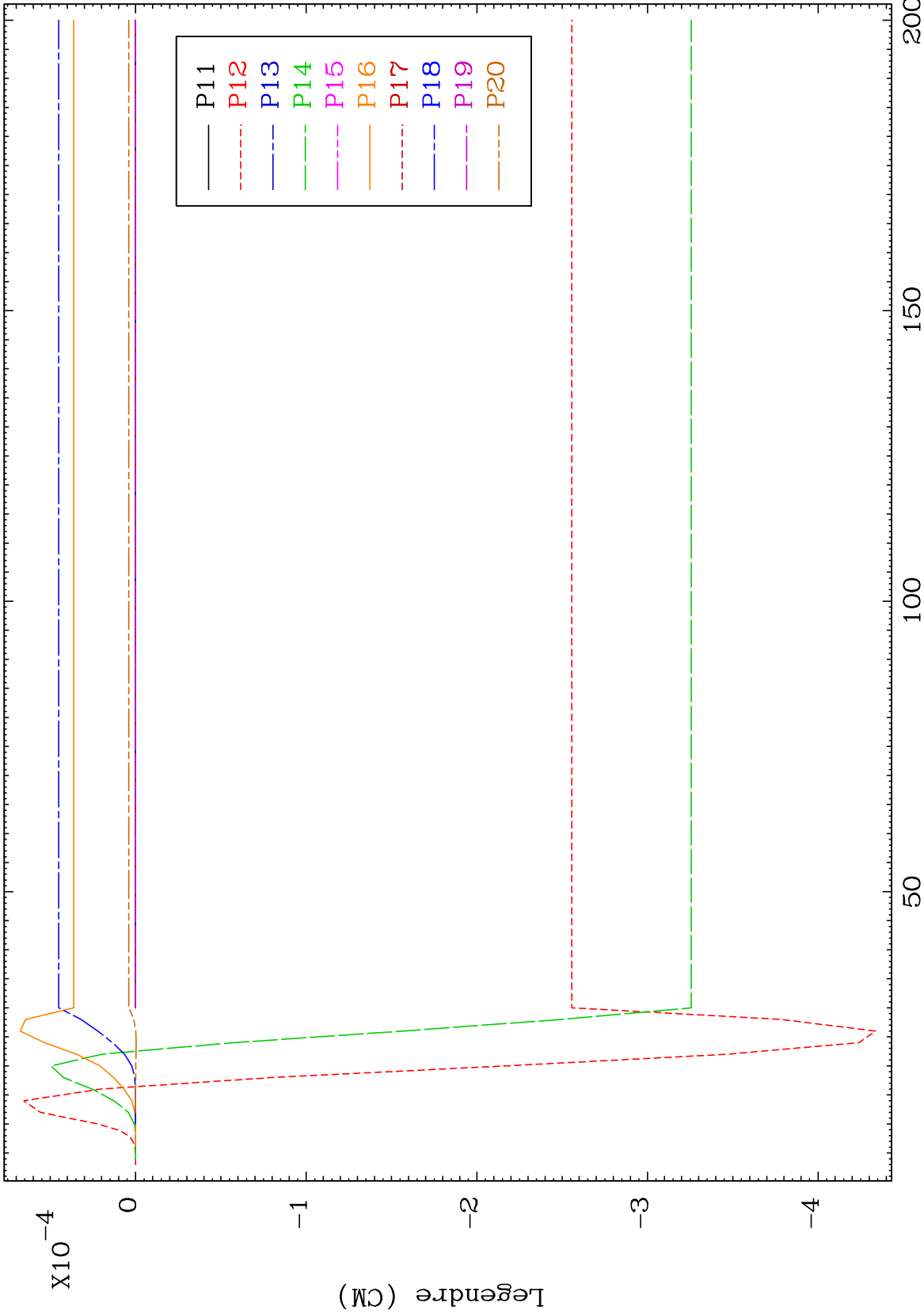
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168

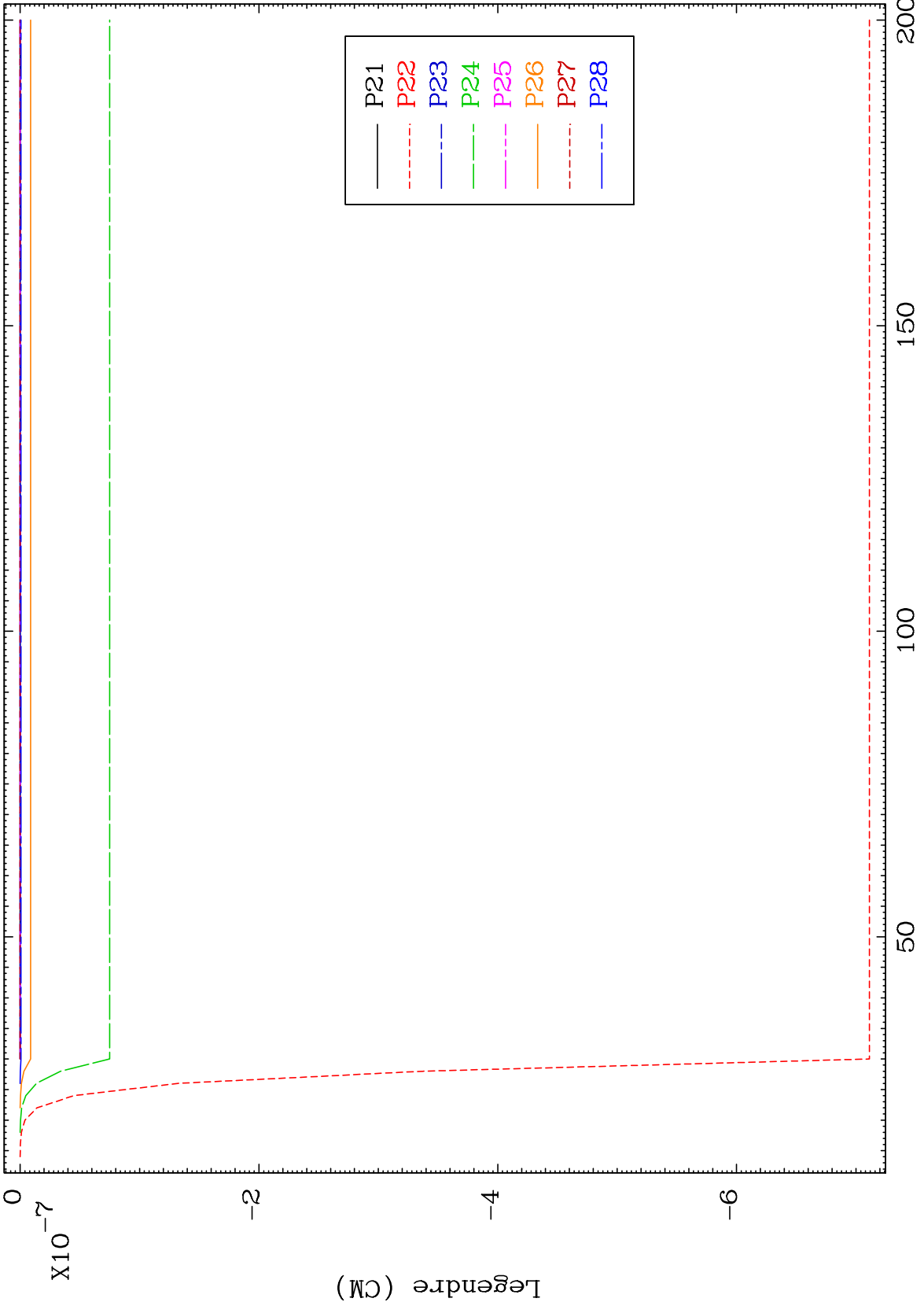


123

Incident Energy (MeV)

70-Yb-168

MAT 7025 MT= 79 (n,n') Level Legendre Coefficients 70-Yb-168

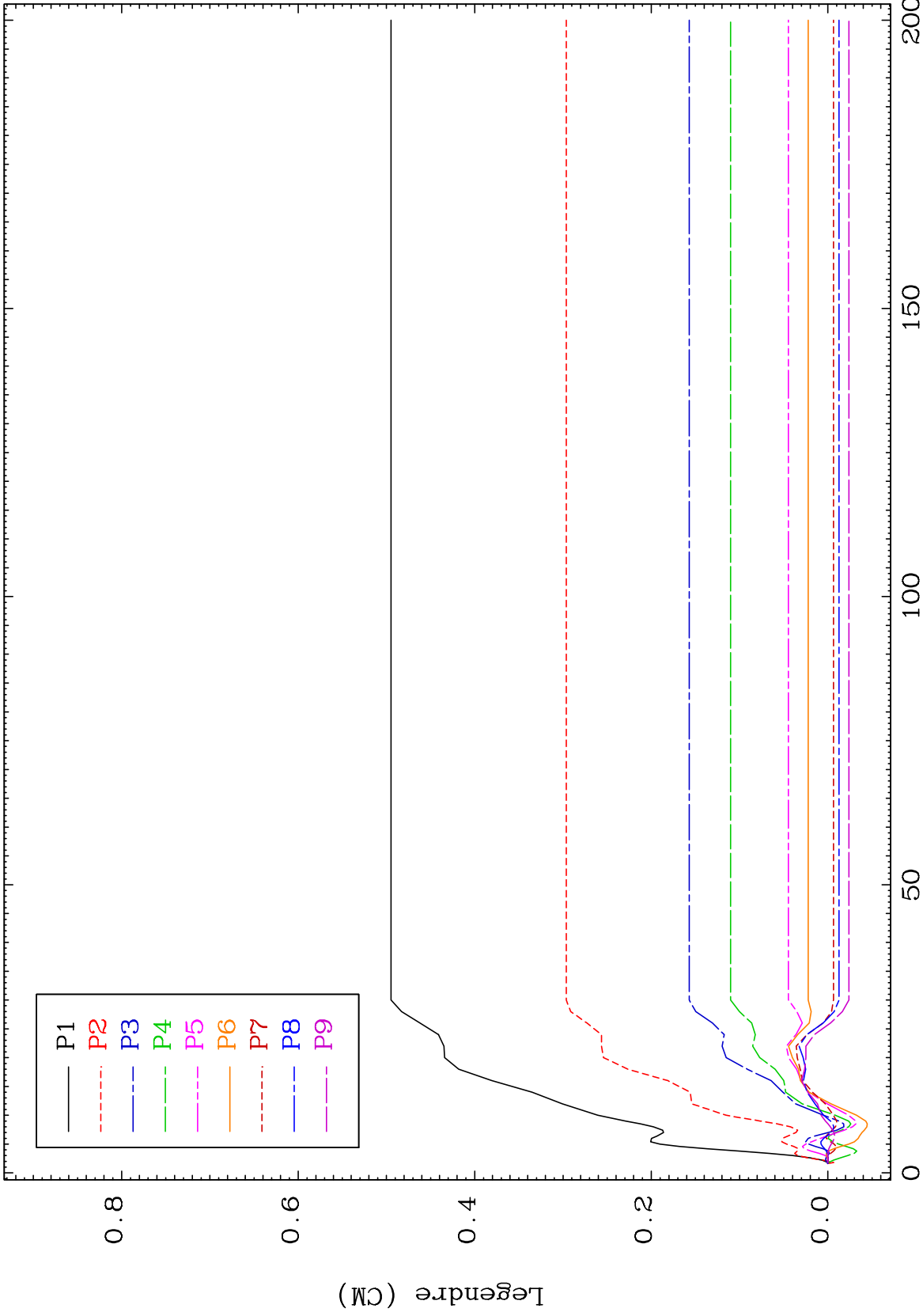


124 70-Yb-168

MAT 7025

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

70-Yb-168

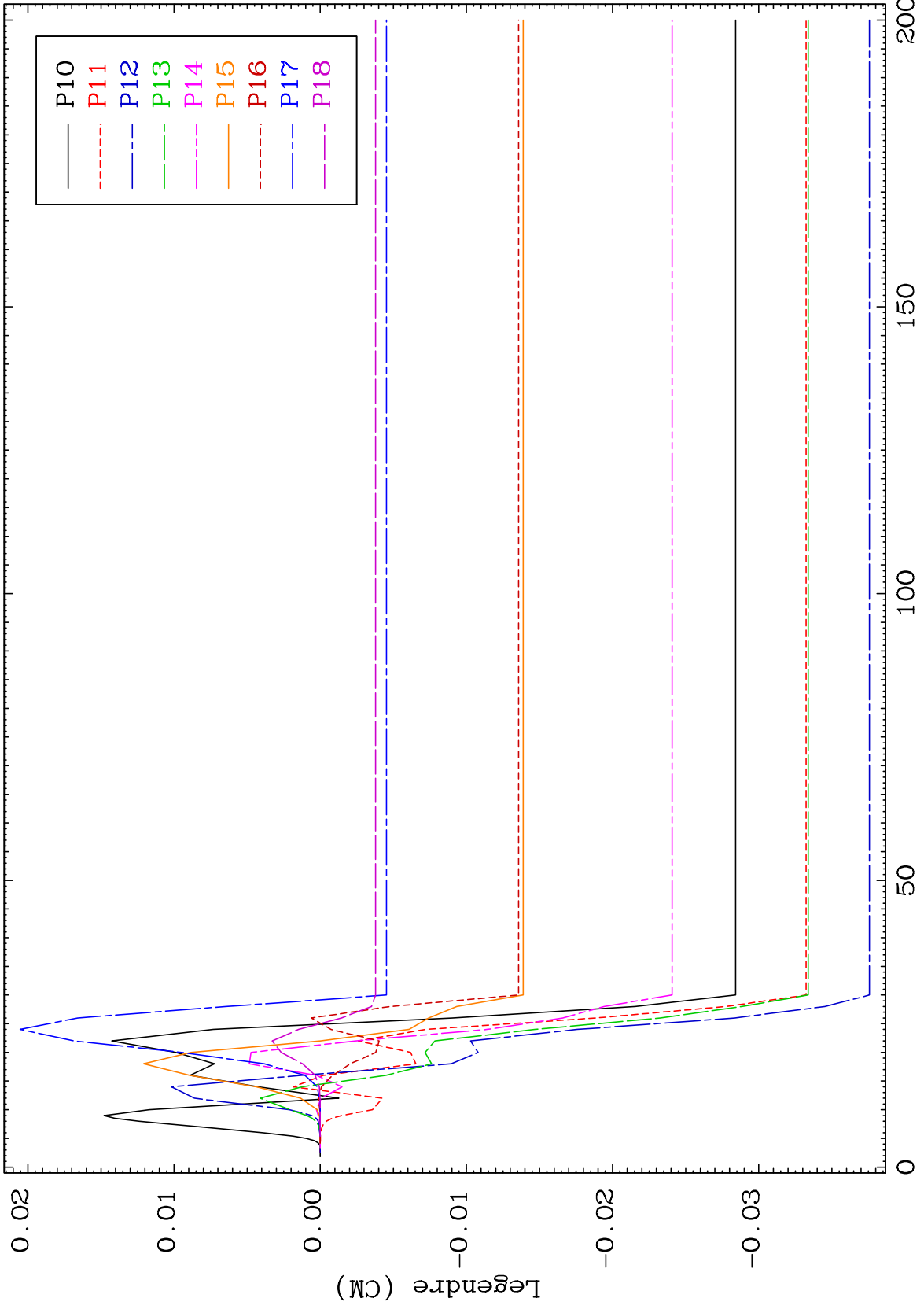


70-Yb-168

Incident Energy (MeV)

125

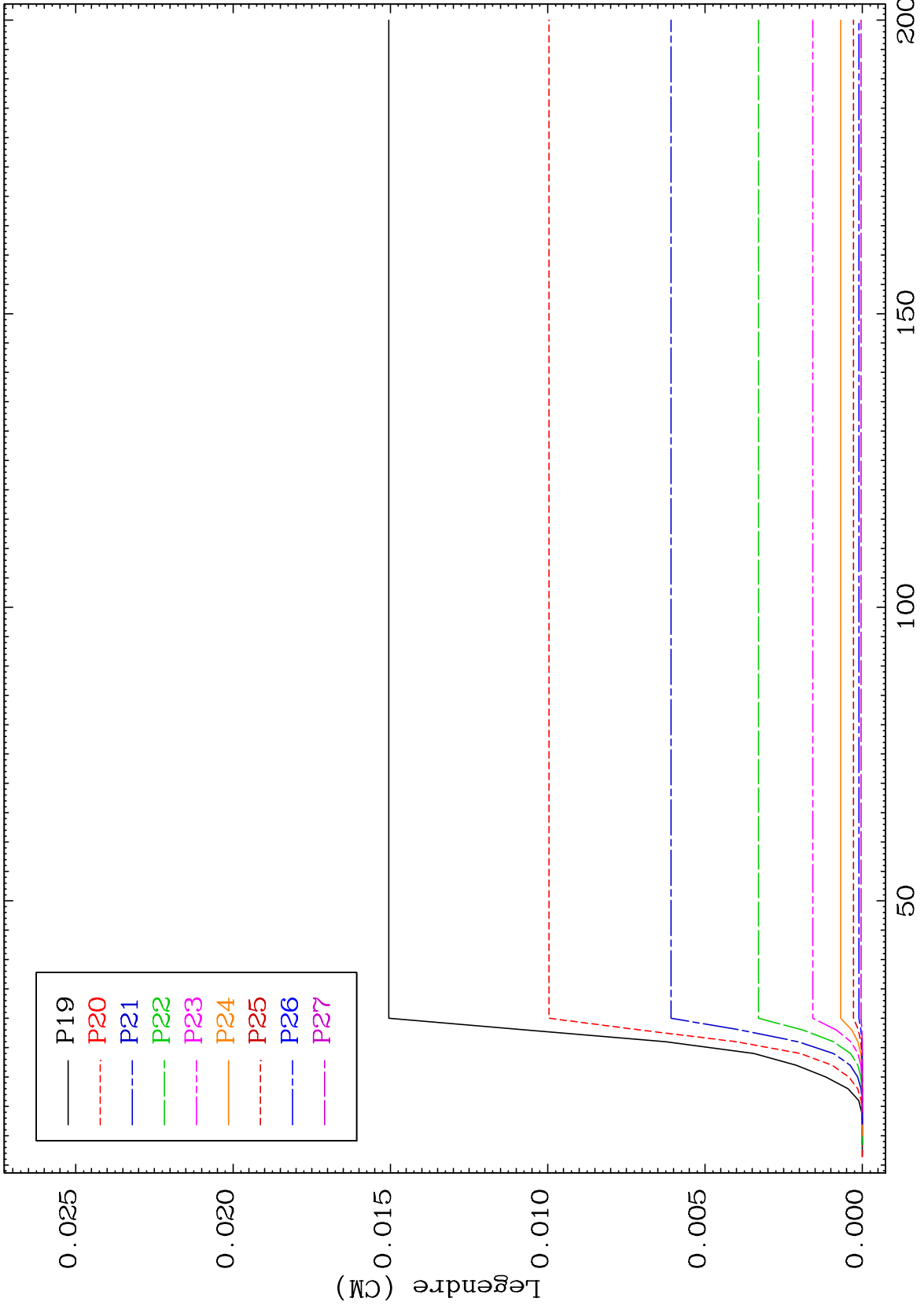
MAT 7025 MT= 80 (n,n') Level Legendre Coefficients 70-Yb-168



MAT 7025

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

70-Yb-168



127

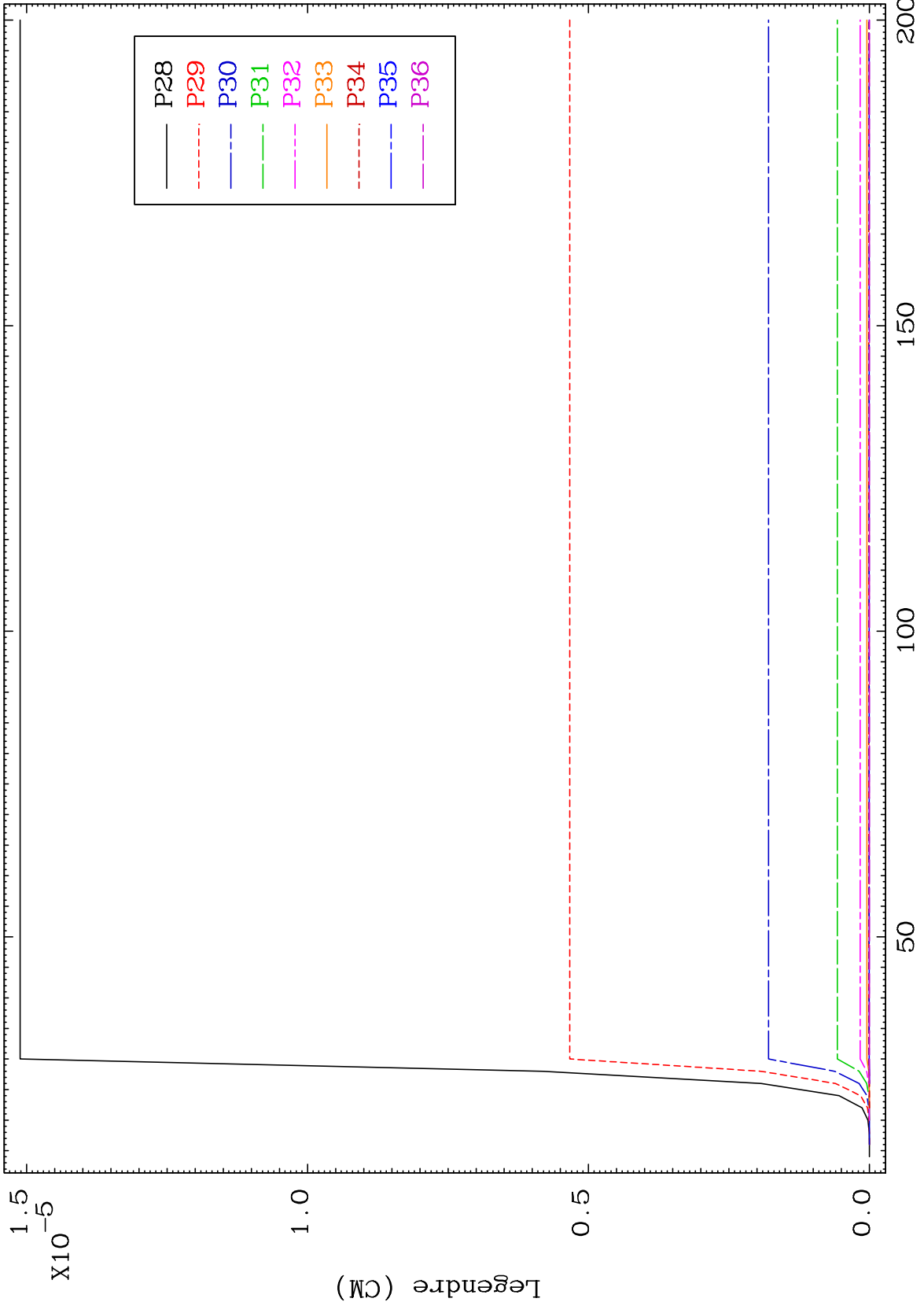
Incident Energy (MeV)

70-Yb-168

MAT 7025

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

70-Yb-168



128

Incident Energy (MeV)

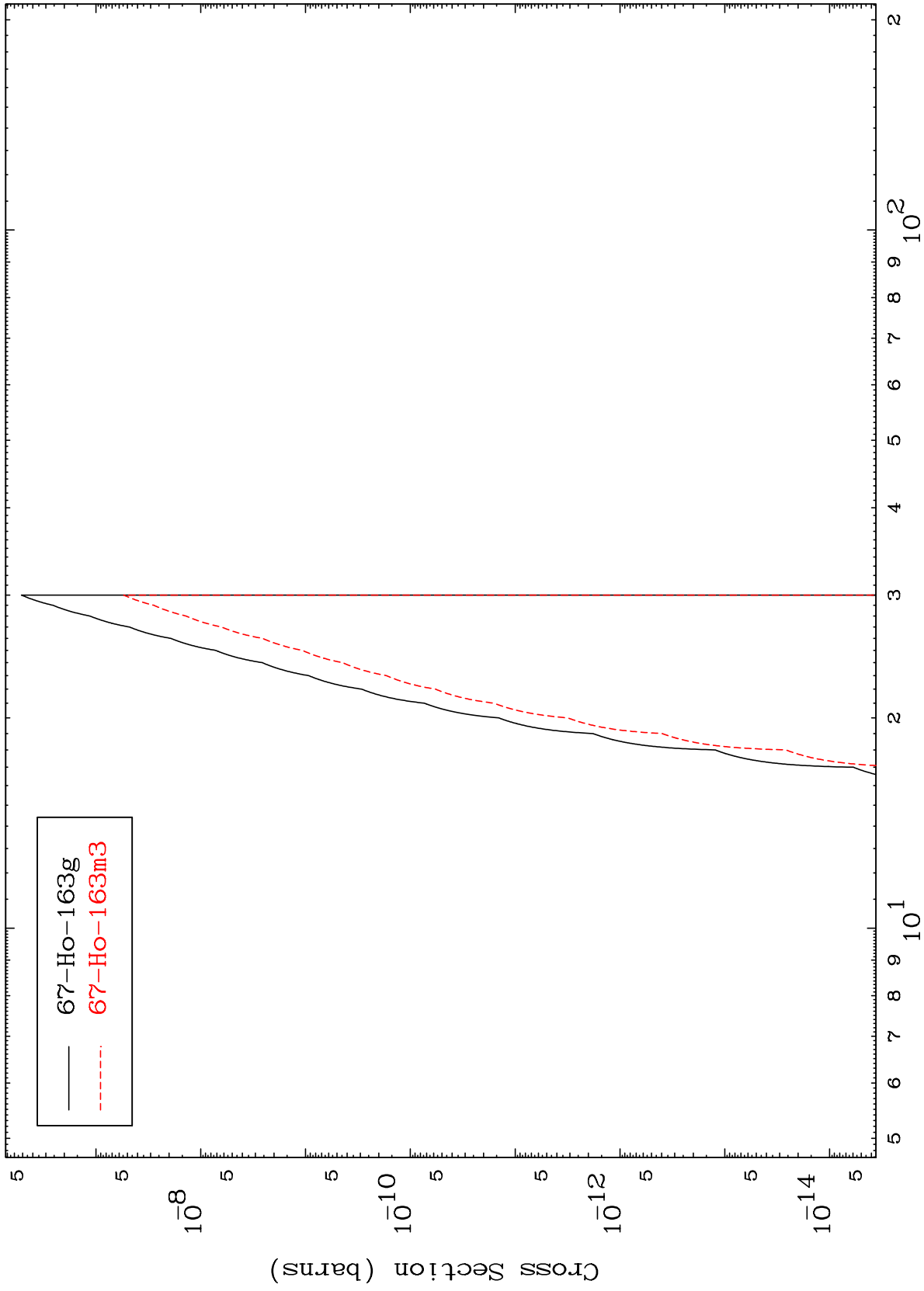
70-Yb-168

MAT 7025

(n,n') p α

70-Yb-168

Radionuclide Production Cross Section



67-Ho-163g
67-Ho-163m3

129

Incident Energy (MeV)

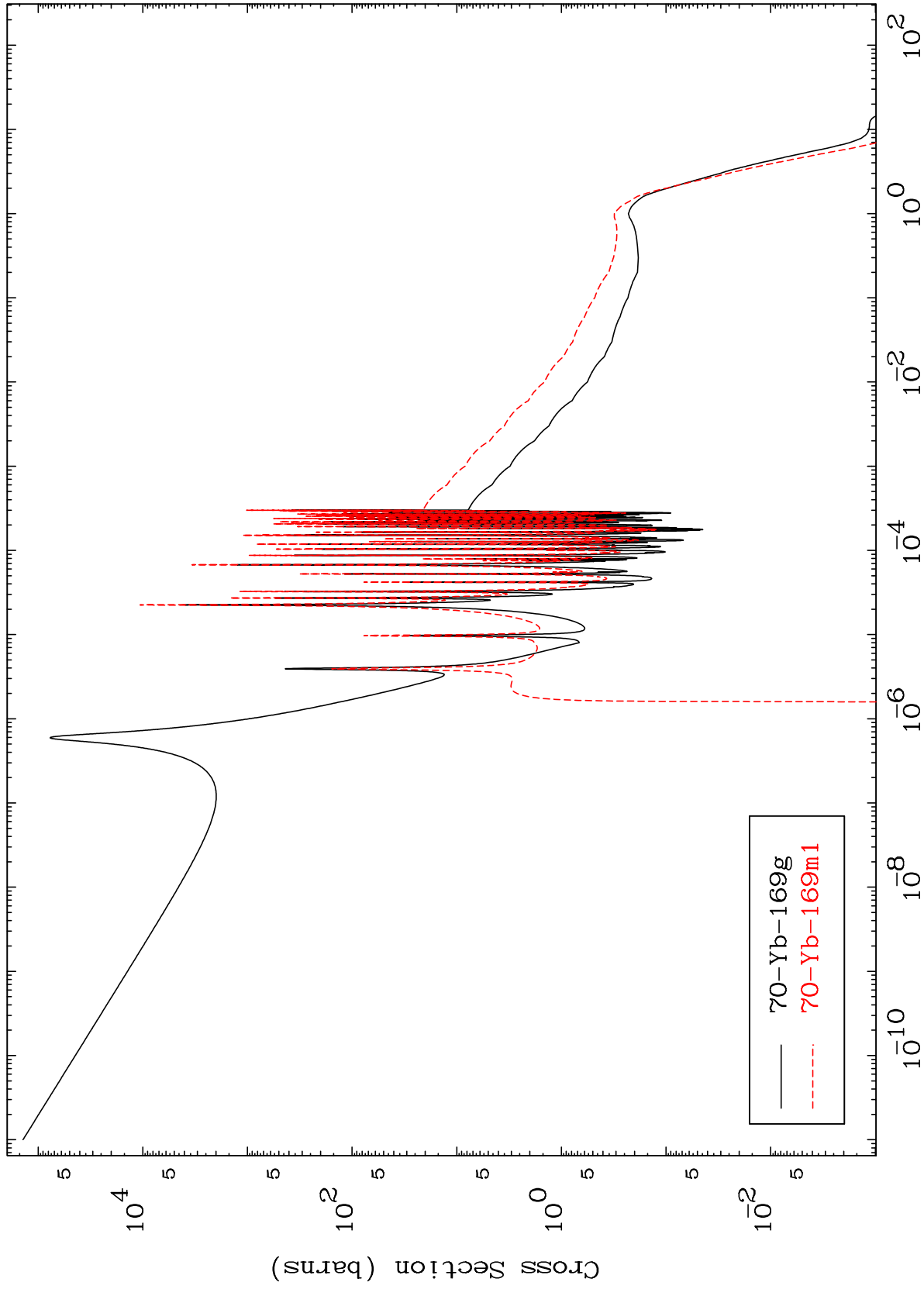
70-Yb-168

MAT 7025

⁷⁰Yb-168

Radionuclide Production Cross Section

(n,γ)



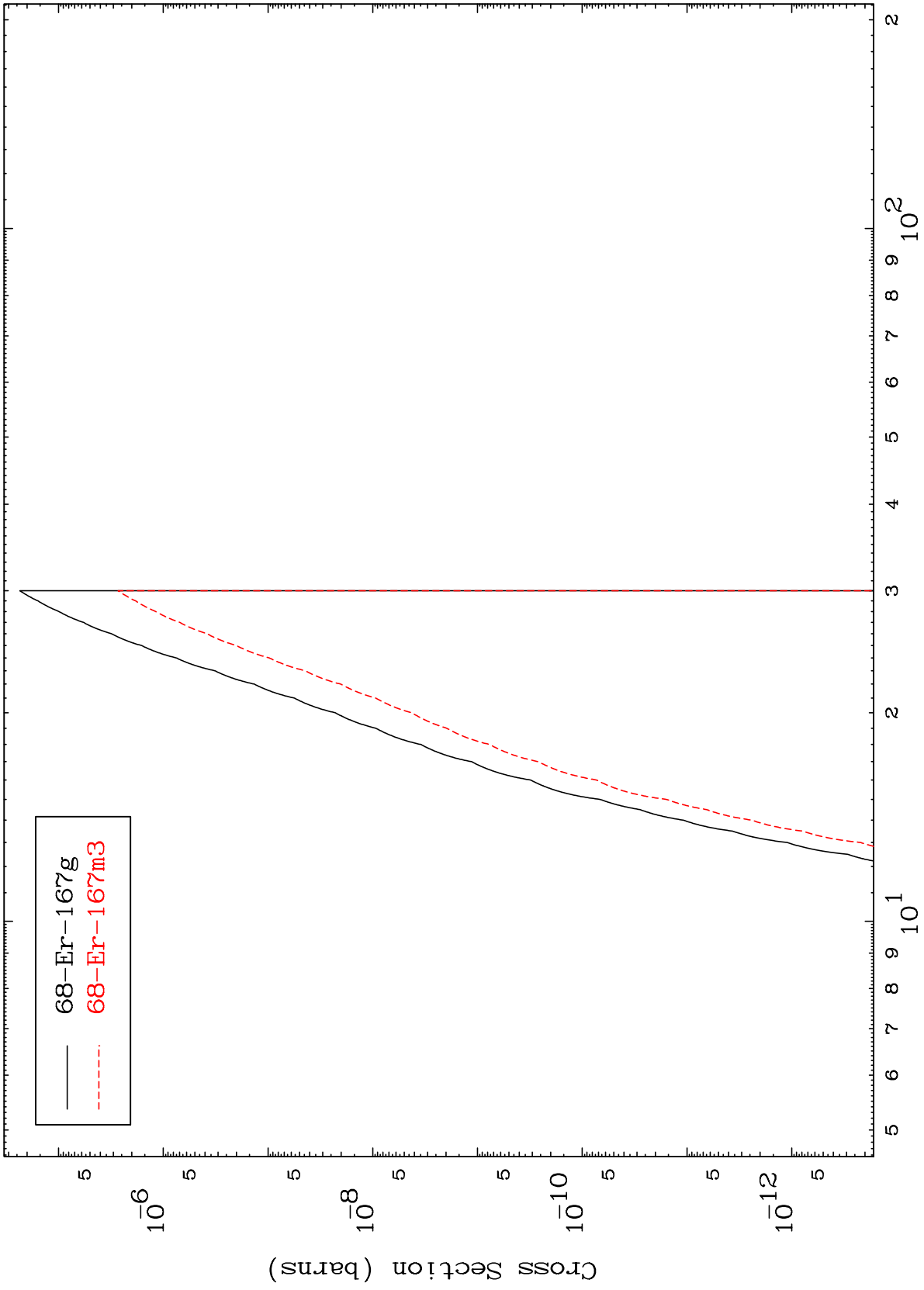
130

⁷⁰Yb-168

MAT 7025

Radionuclide Production Cross Section
(n,2p)

70-Yb-168



131

Incident Energy (MeV)

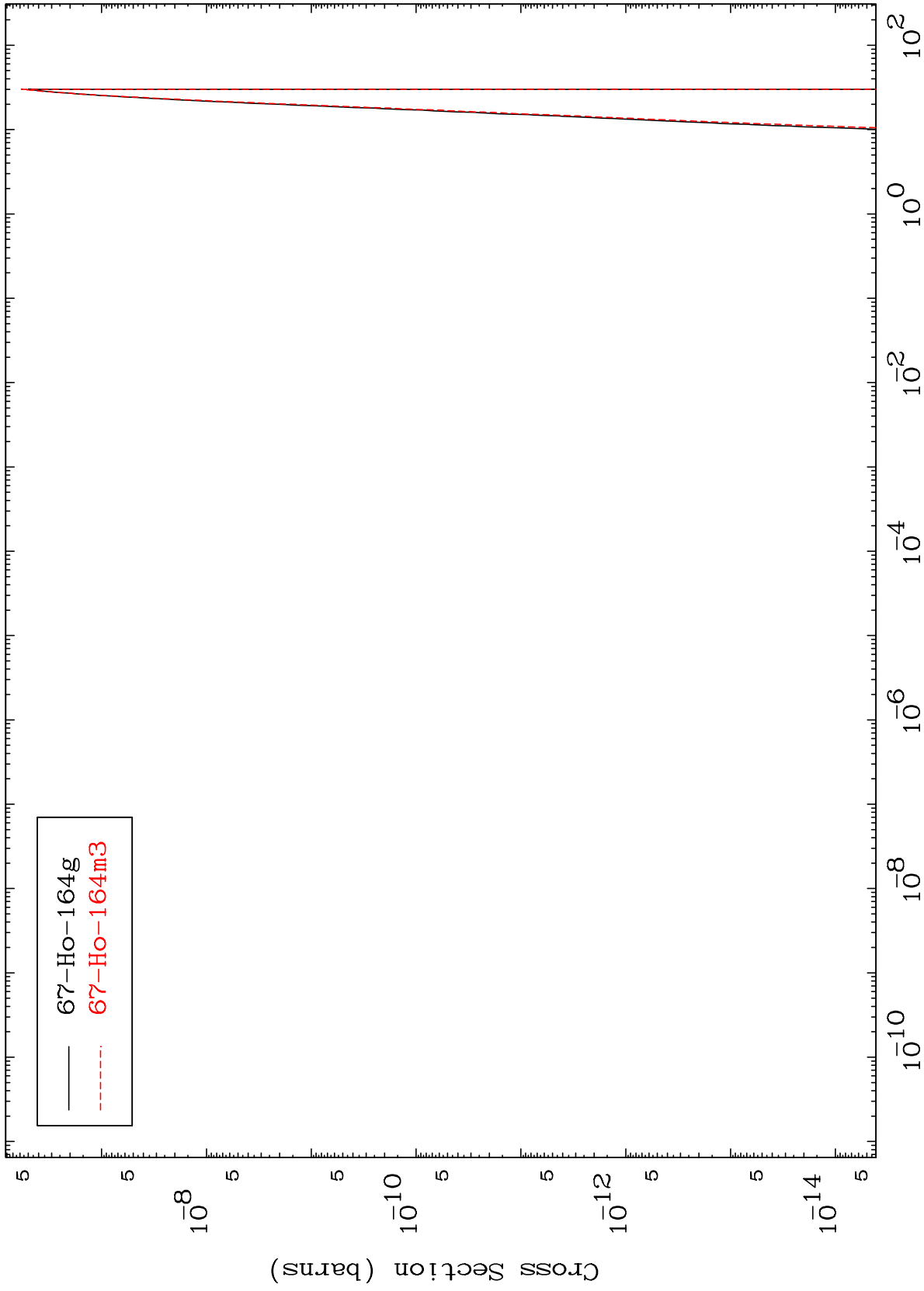
70-Yb-168

MAT 7025

(n,p) α

70-Yb-168

Radionuclide Production Cross Section



132

Incident Energy (MeV)

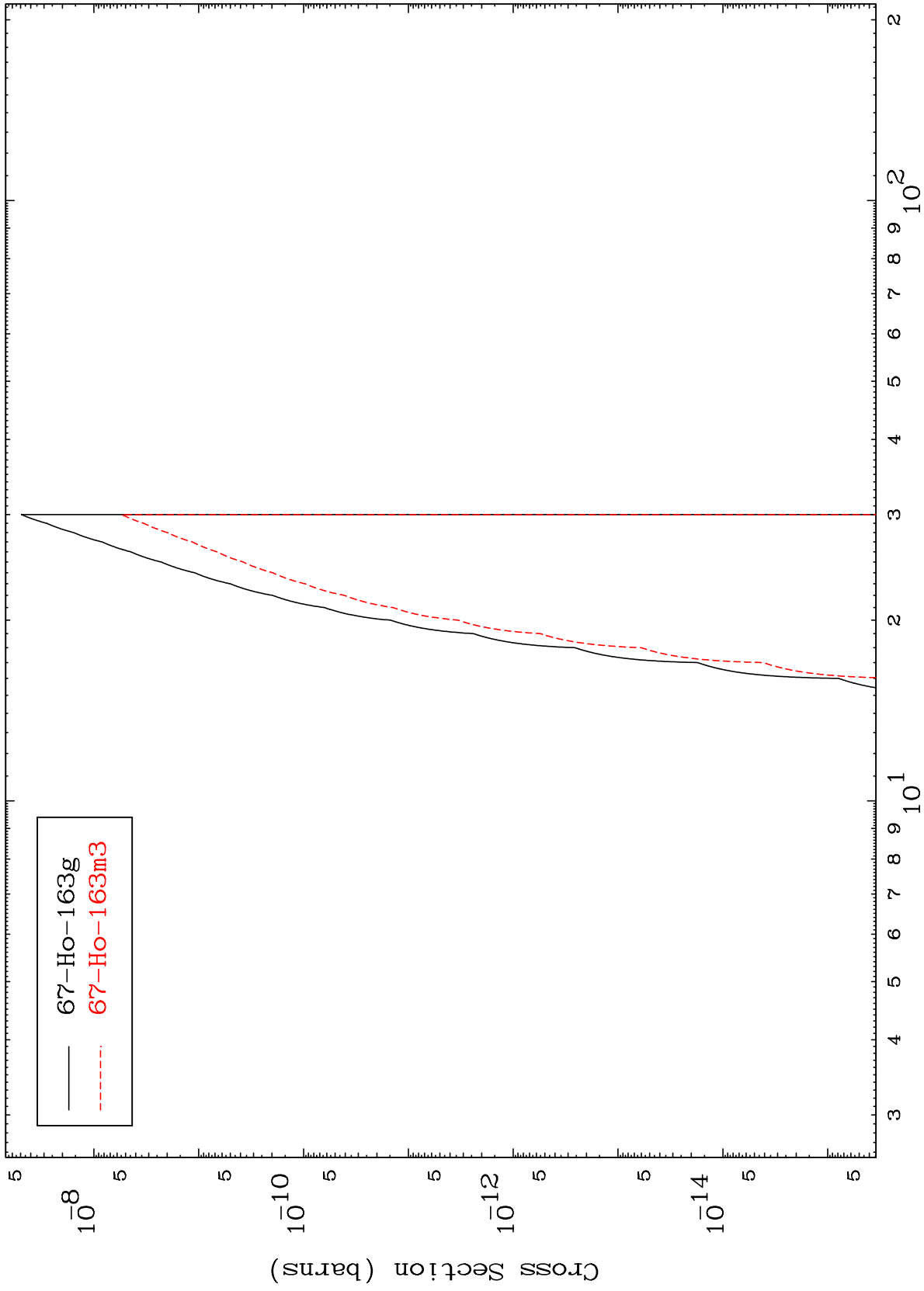
70-Yb-168

MAT 7025

(n,d) α

70-Yb-168

Radionuclide Production Cross Section



67-Ho-163g
67-Ho-163m3