

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

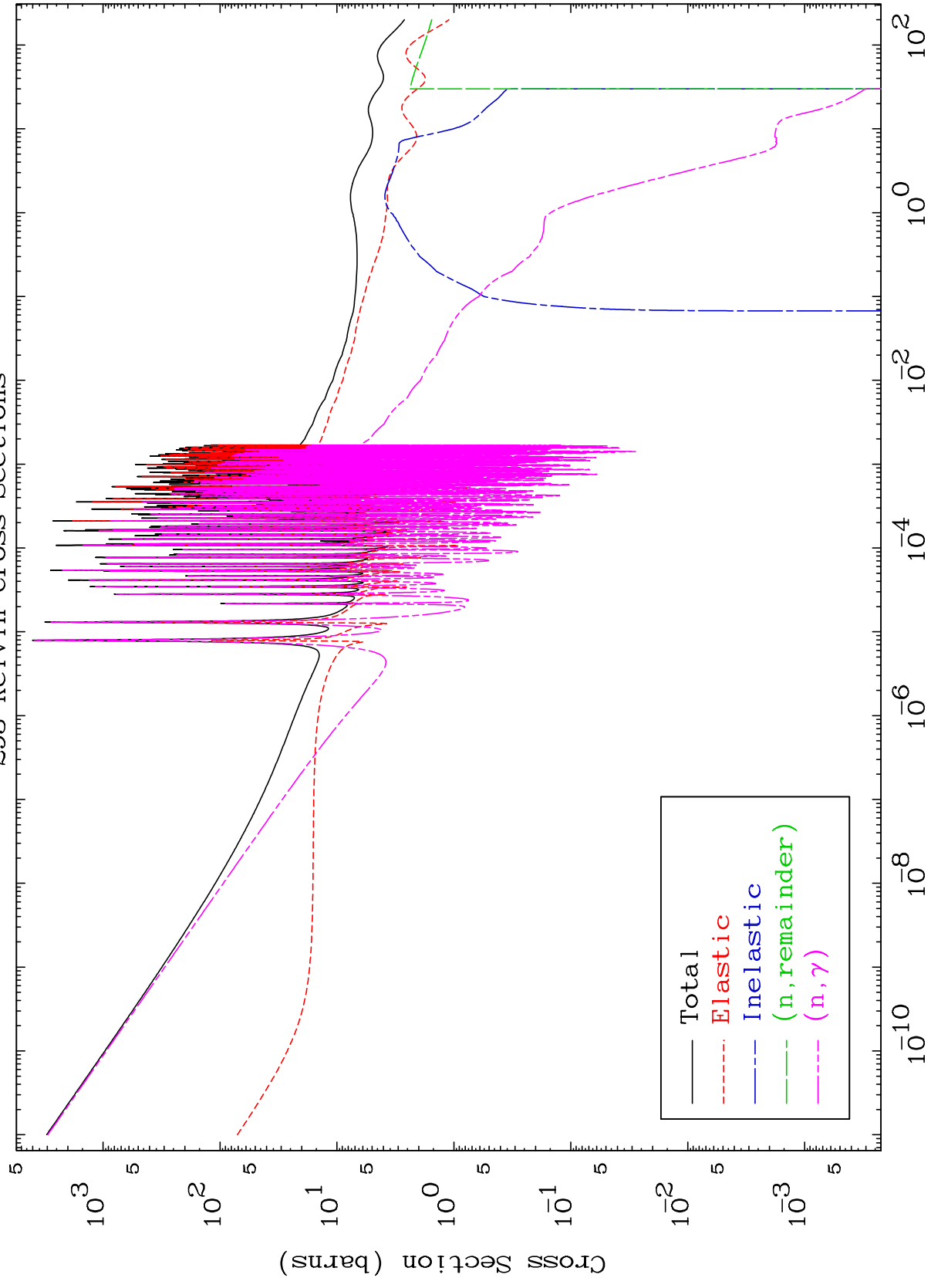
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7034

Major  
293 Kelvin Cross Sections

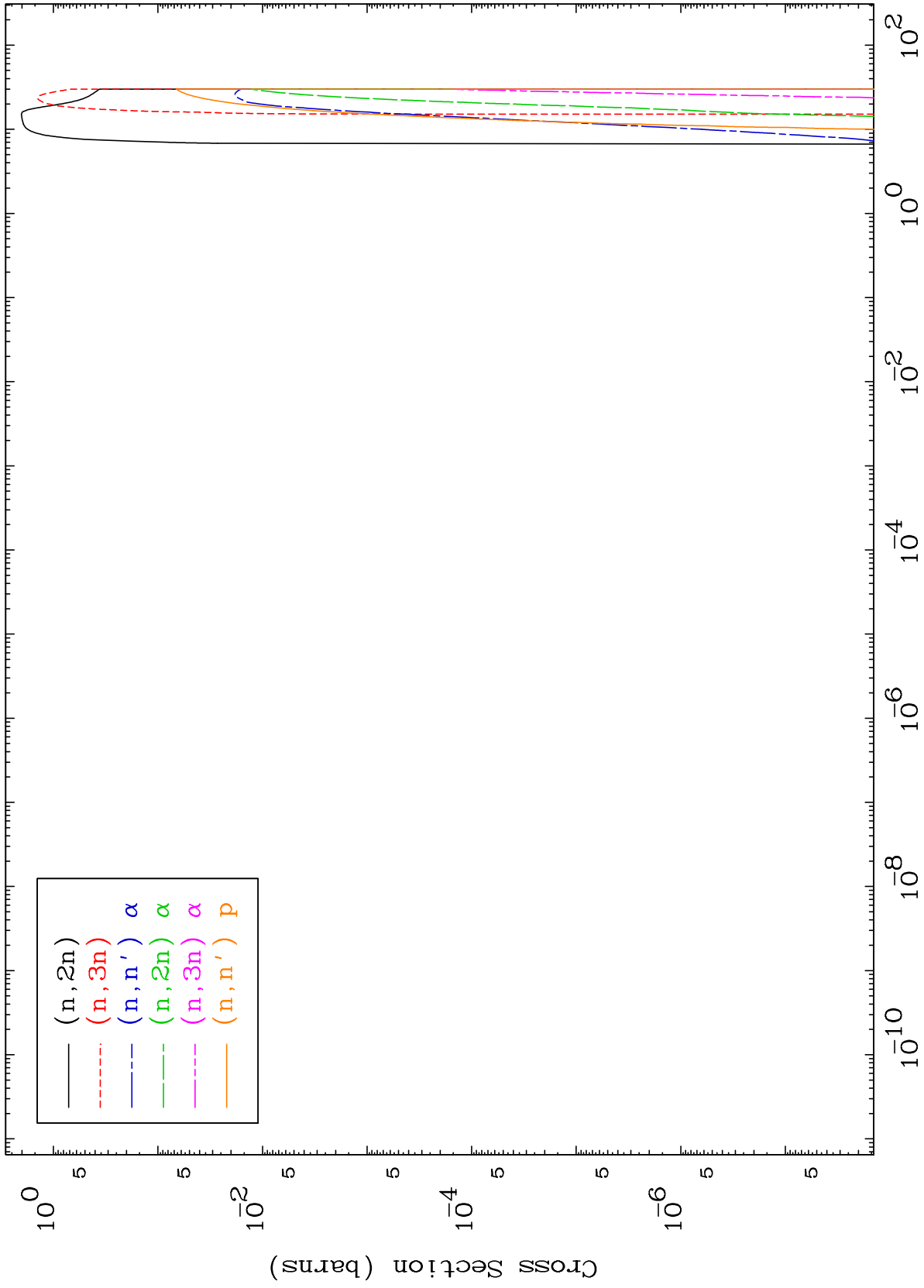
70-Yb-171



MAT 7034

Neutron Production  
293 Kelvin Cross Sections

70-Yb-171

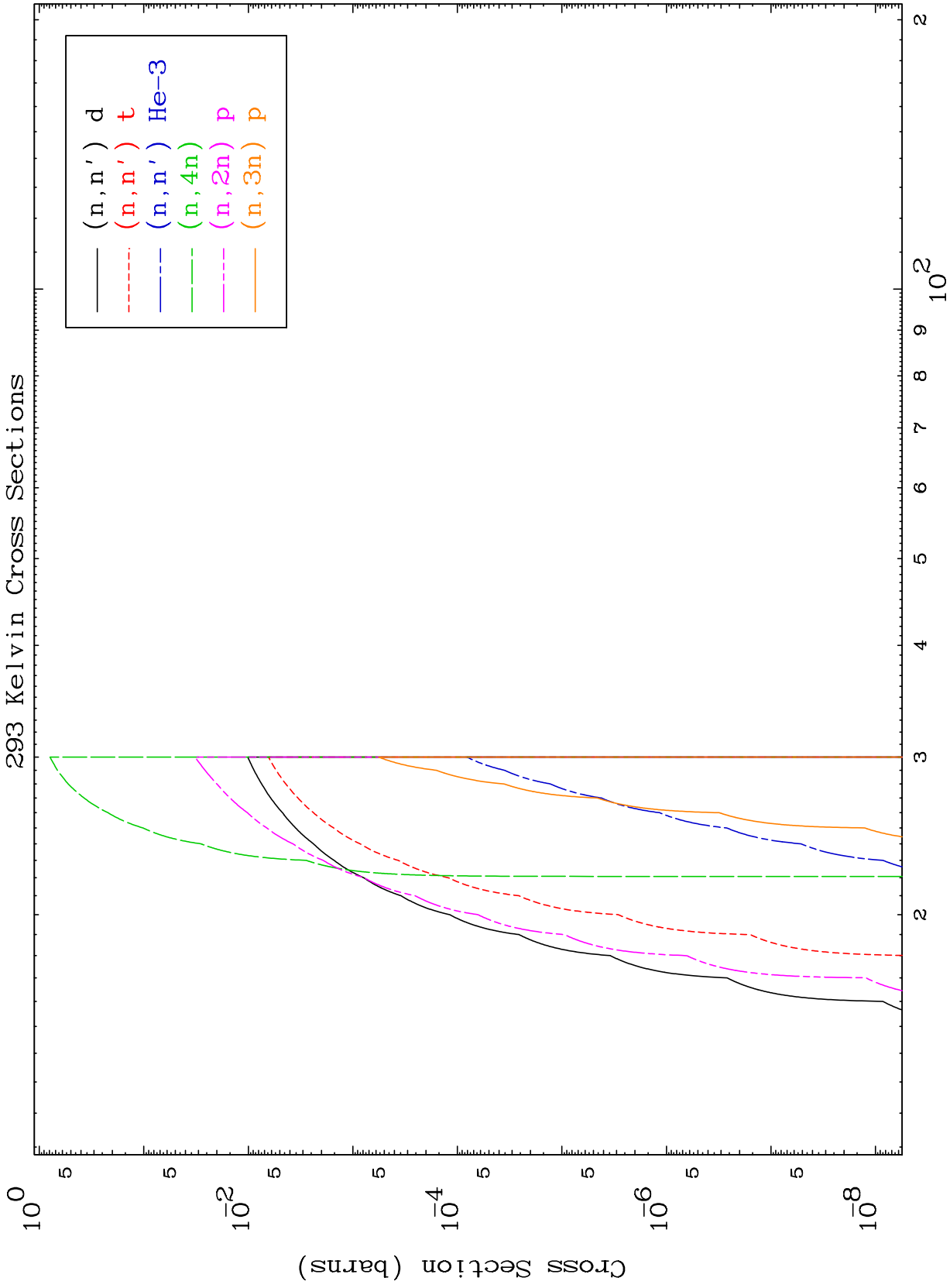


70-Yb-171

MAT 7034

Neutron Production  
293 Kelvin Cross Sections

70-Yb-171



3

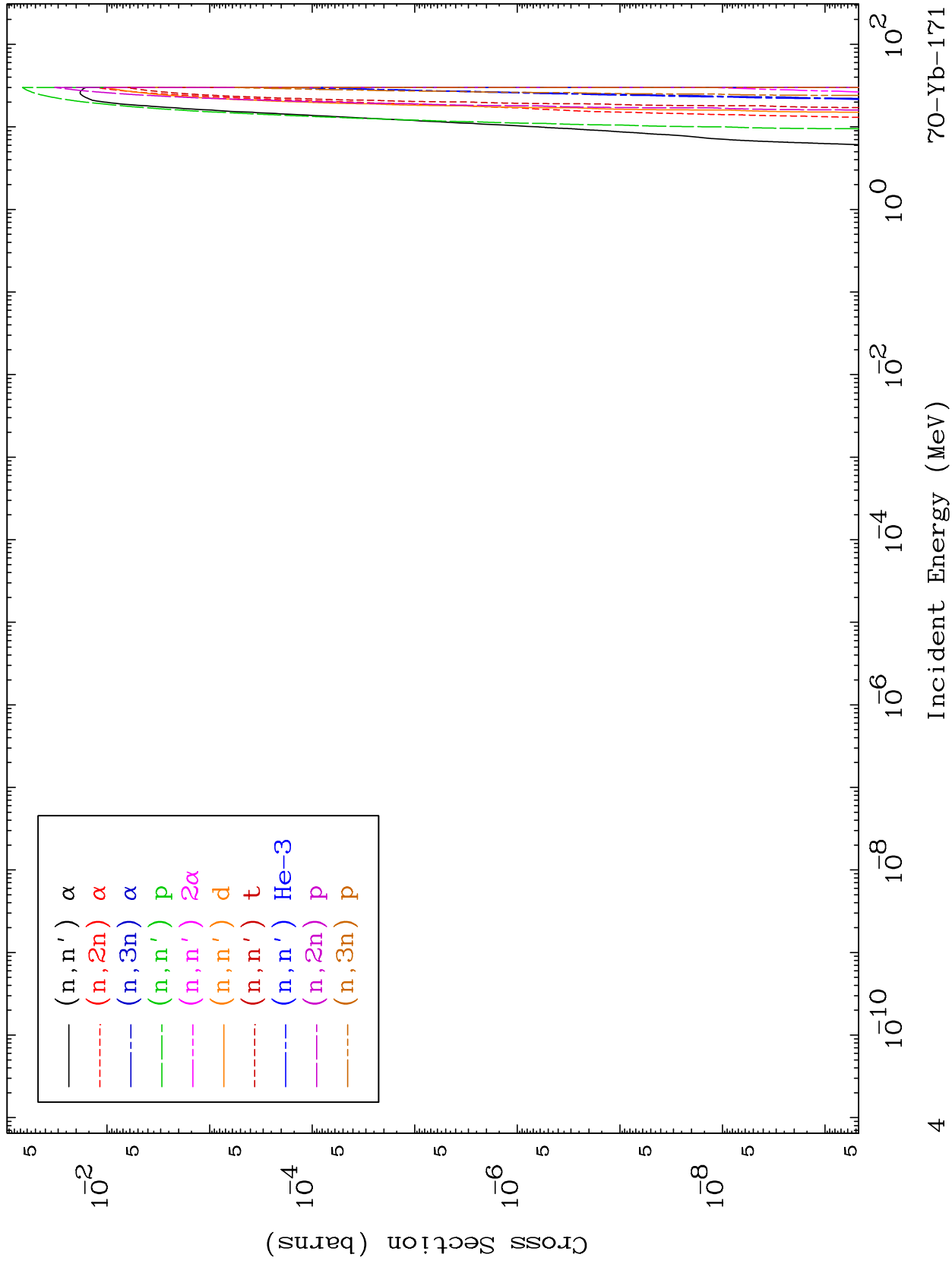
Incident Energy (MeV)

70-Yb-171

MAT 7034

293 Charged Particle  
Kelvin Cross Sections

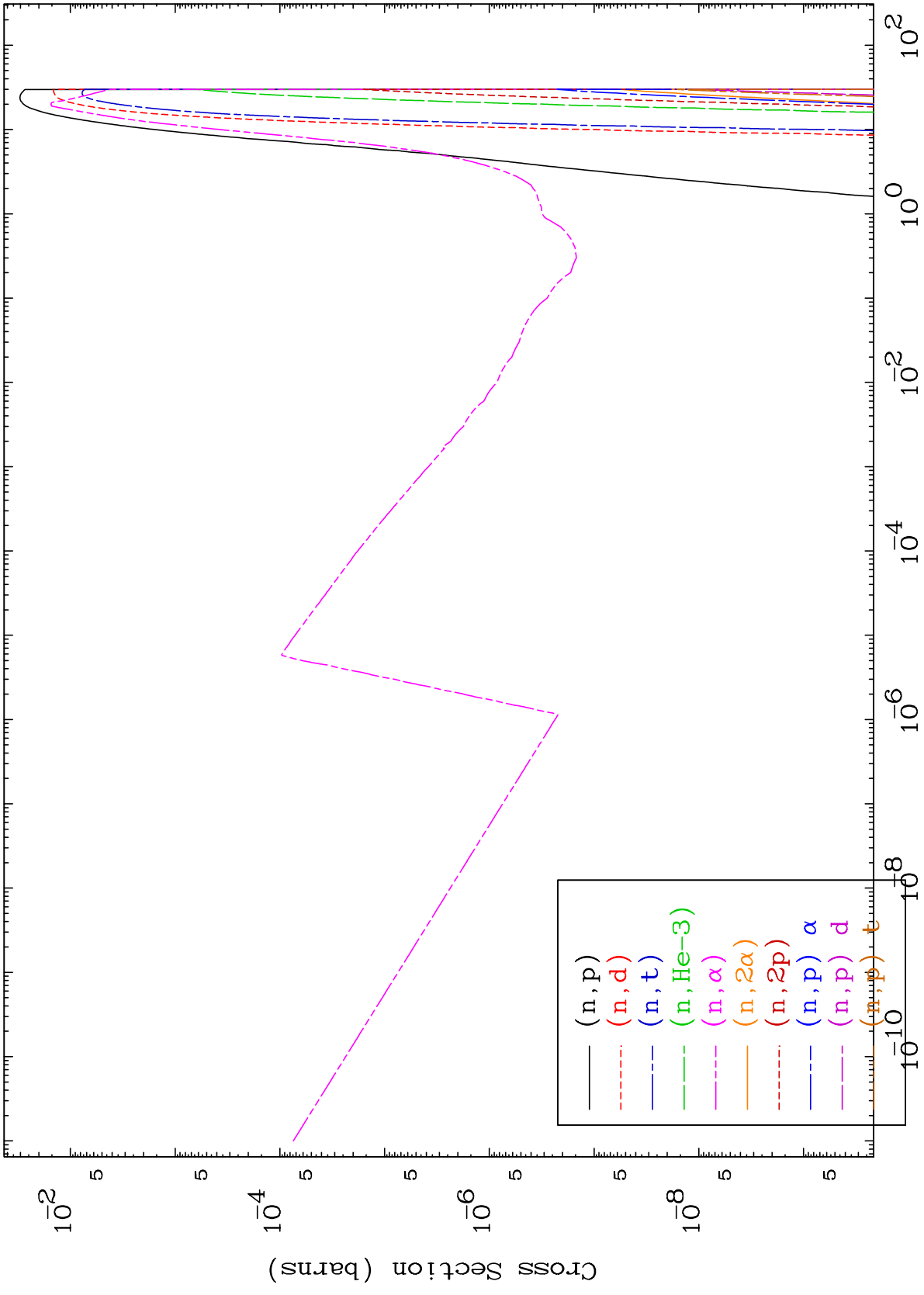
70-Yb-171



MAT 7034

293 Kelvin Cross Sections

70-Yb-171



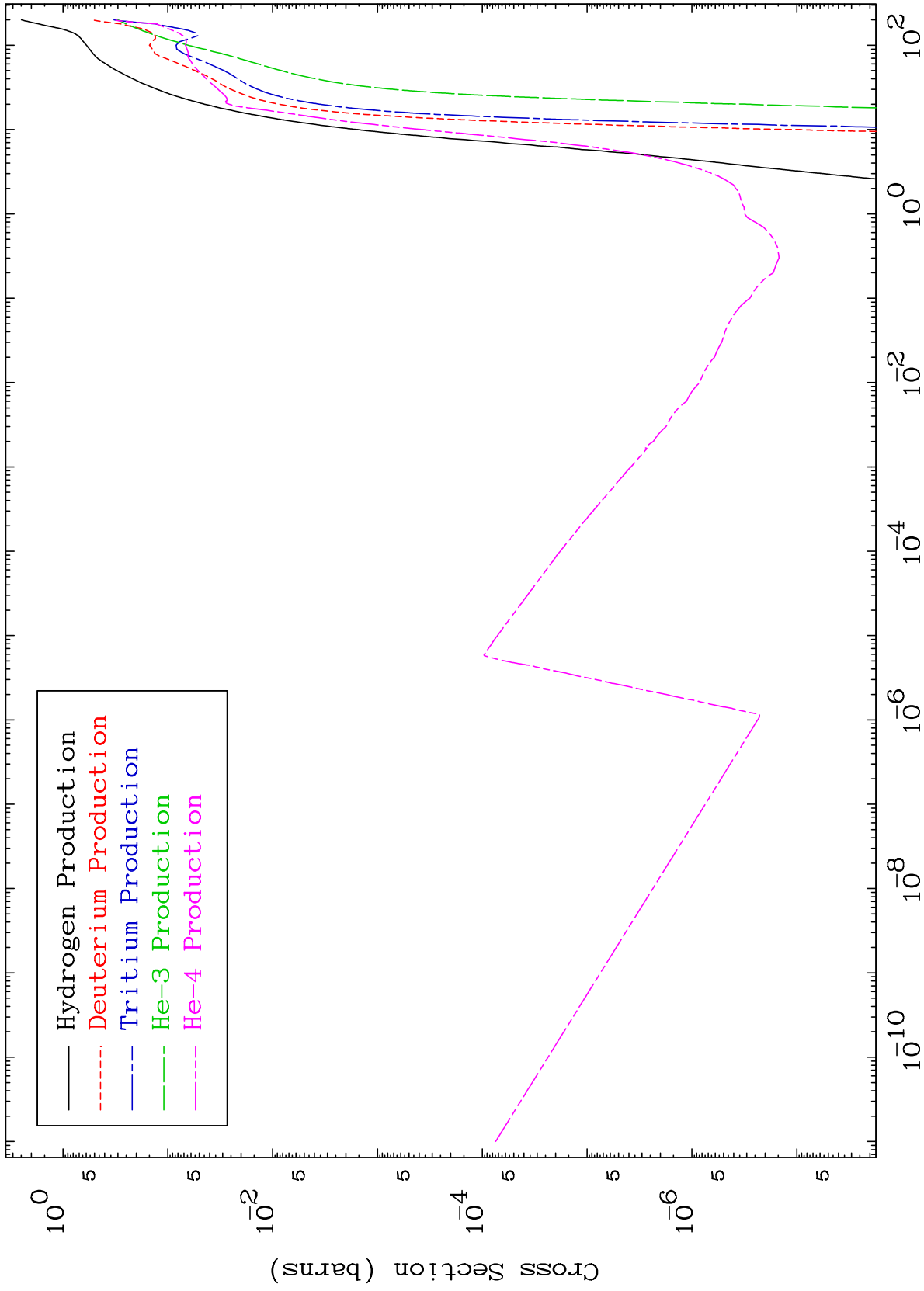
70-Yb-171

Incident Energy (MeV)

MAT 7034

Particle Production  
293 Kelvin Cross Sections

70-Yb-171



6

Incident Energy (MeV)

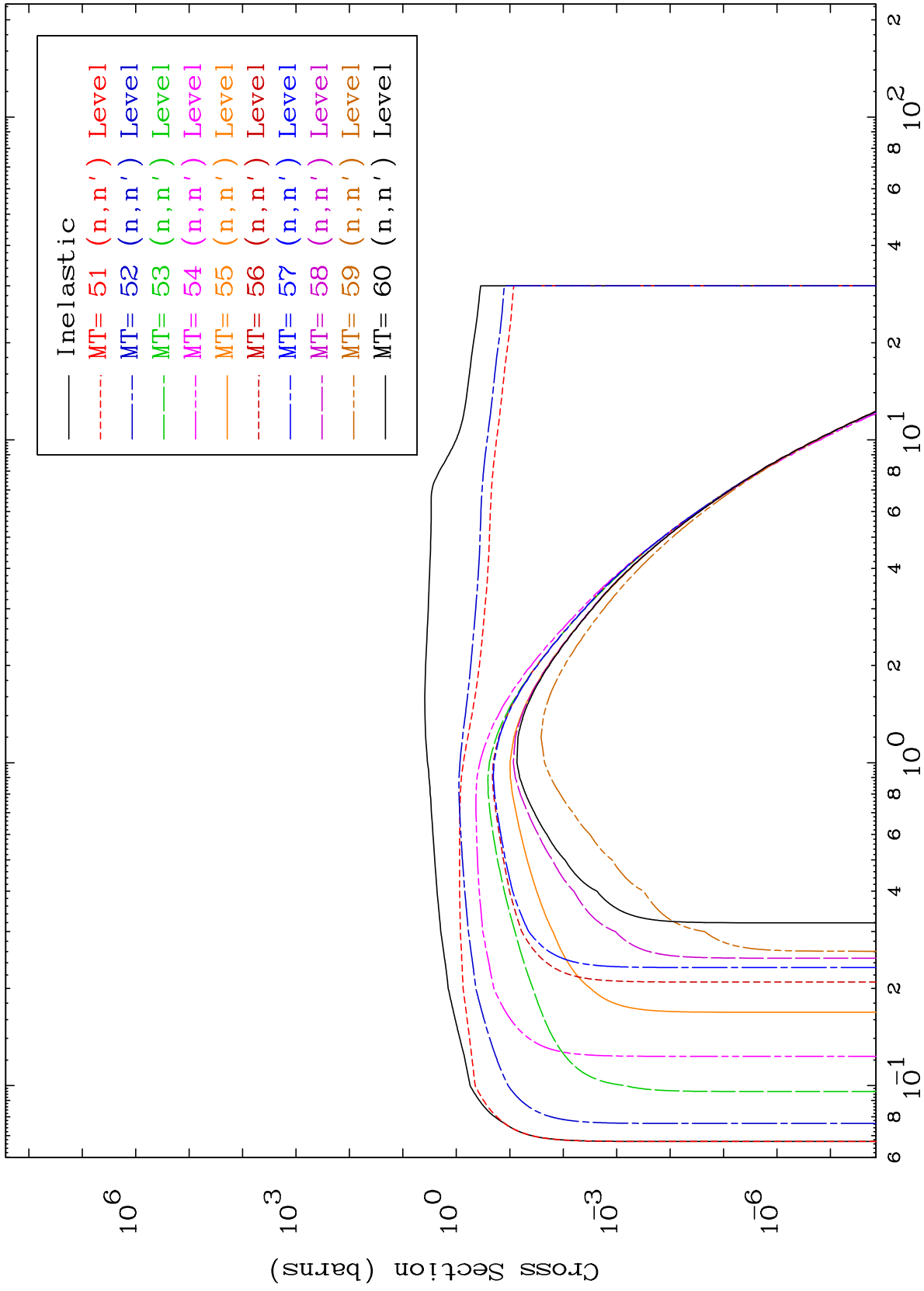
70-Yb-171

MAT 7034

(n,n') Level

70-Yb-171

293 Kelvin Cross Sections



7

Incident Energy (MeV)

70-Yb-171

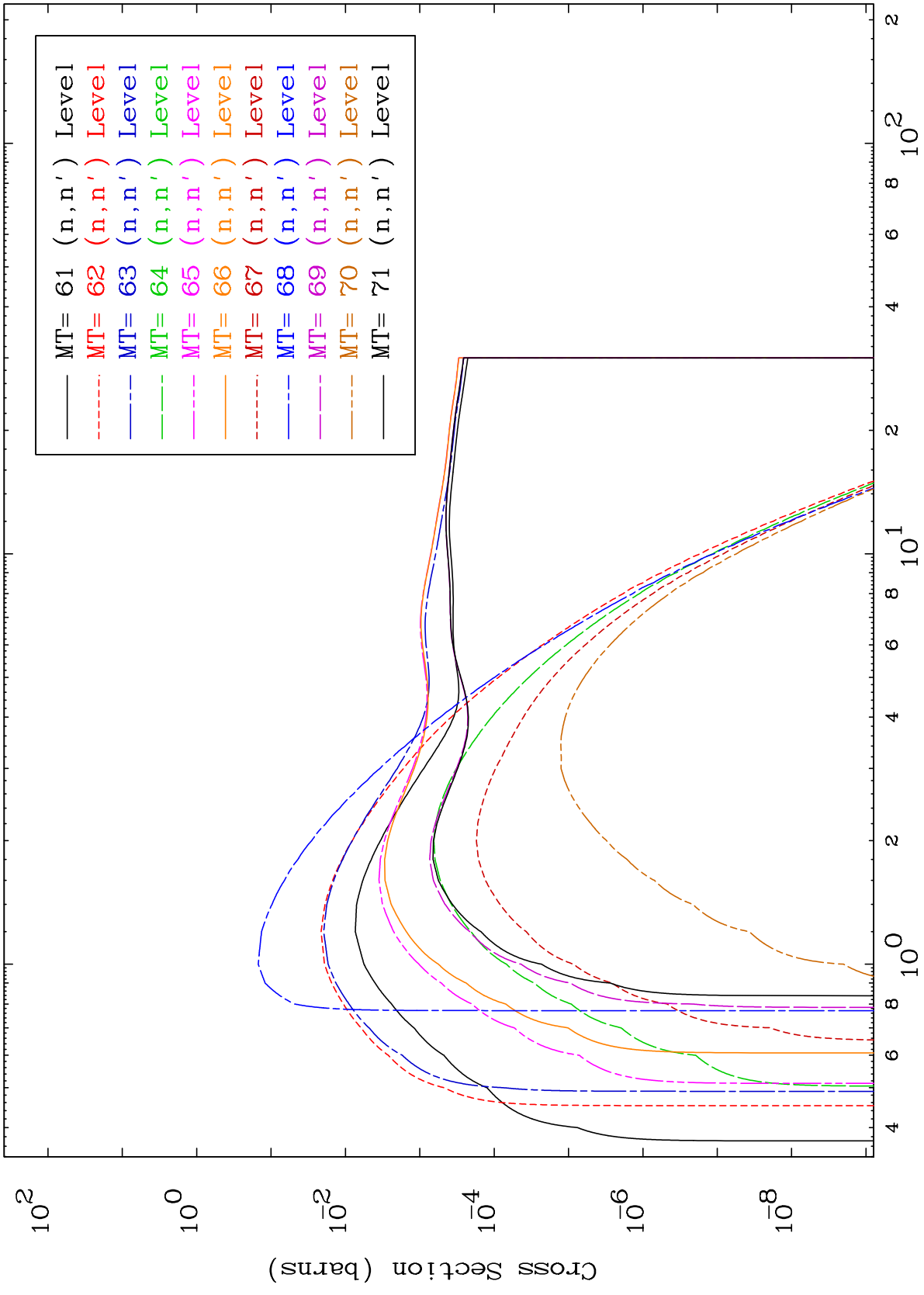


MAT 7034

(n,n') Level

70-Yb-171

293 Kelvin Cross Sections



8

Incident Energy (MeV)

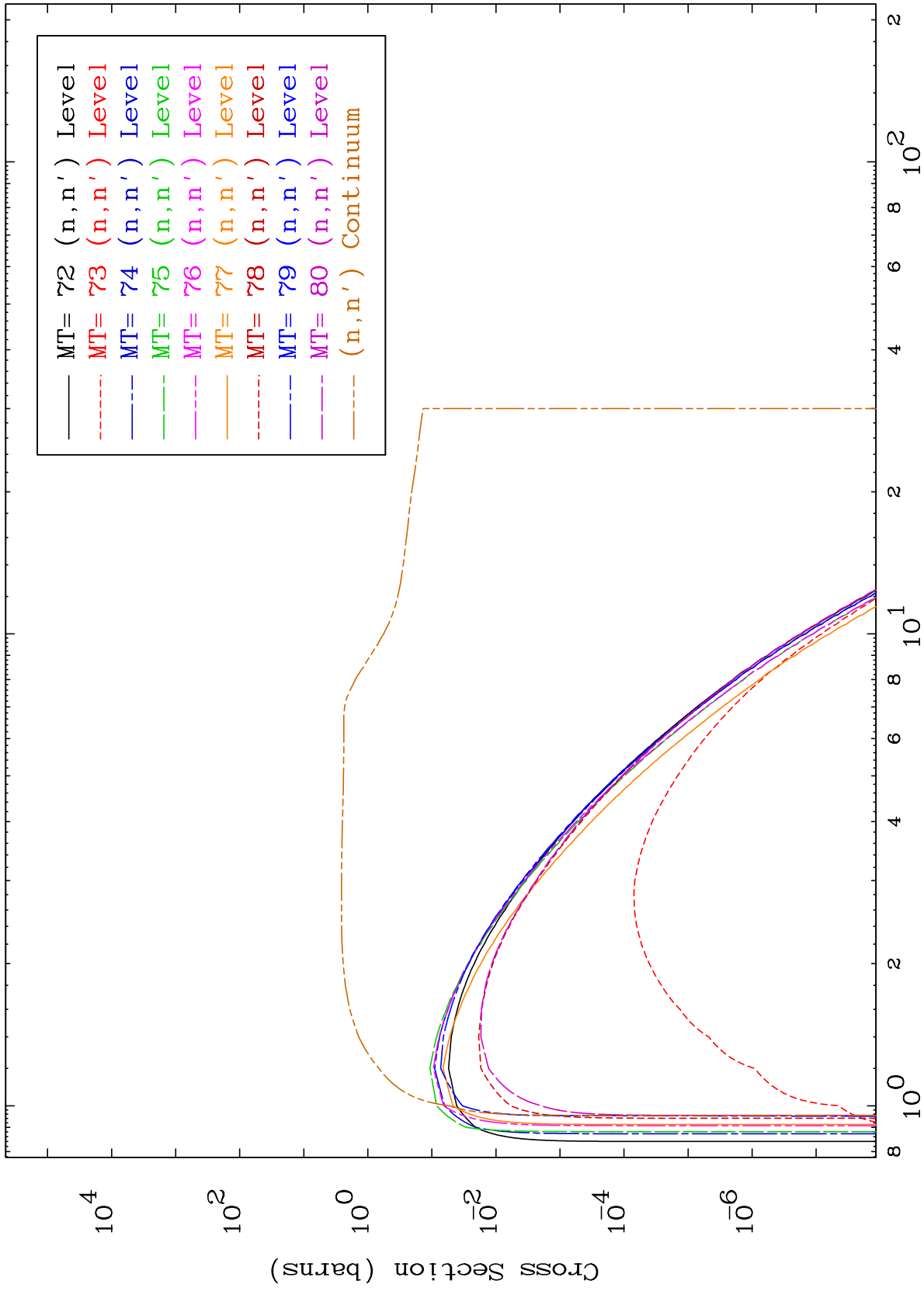
70-Yb-171

MAT 7034

(n,n') Level

70-Yb-171

293 Kelvin Cross Sections



9

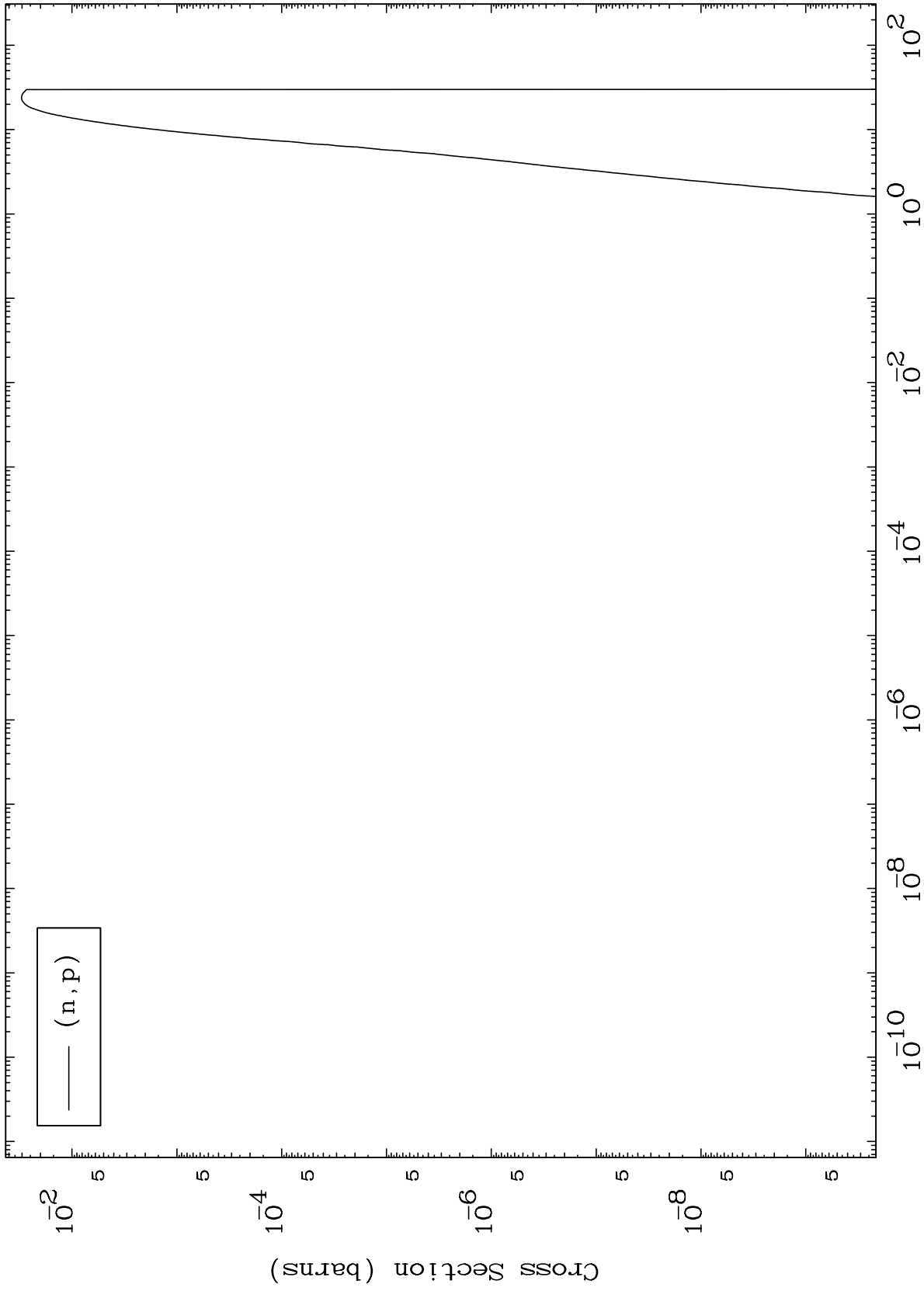
Incident Energy (MeV)

70-Yb-171

MAT 7034

(n,p) Levels  
293 Kelvin Cross Sections

70-Yb-171



10

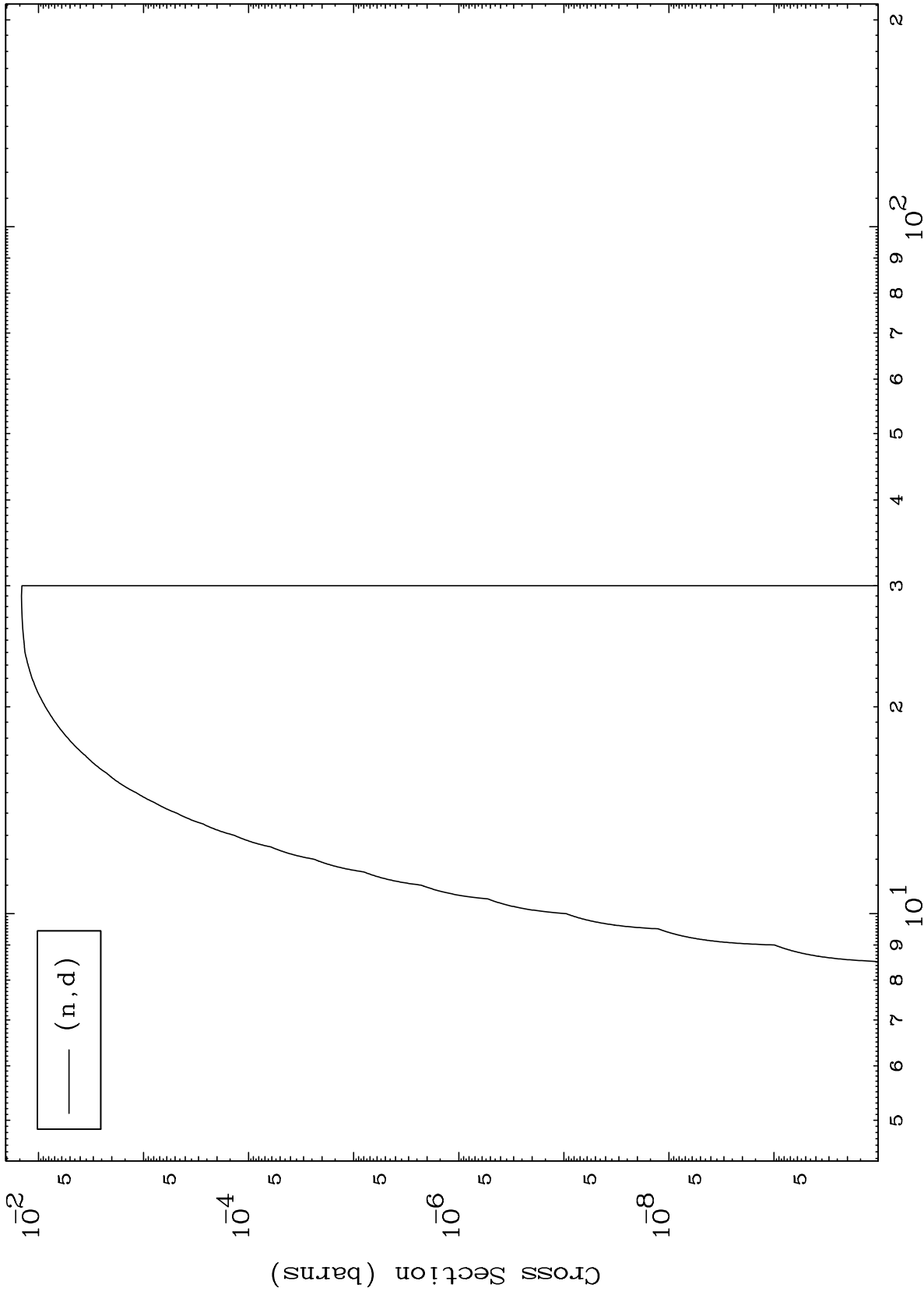
Incident Energy (MeV)

70-Yb-171

MAT 7034

(n,d) Levels  
293 Kelvin Cross Sections

70-Yb-171



11

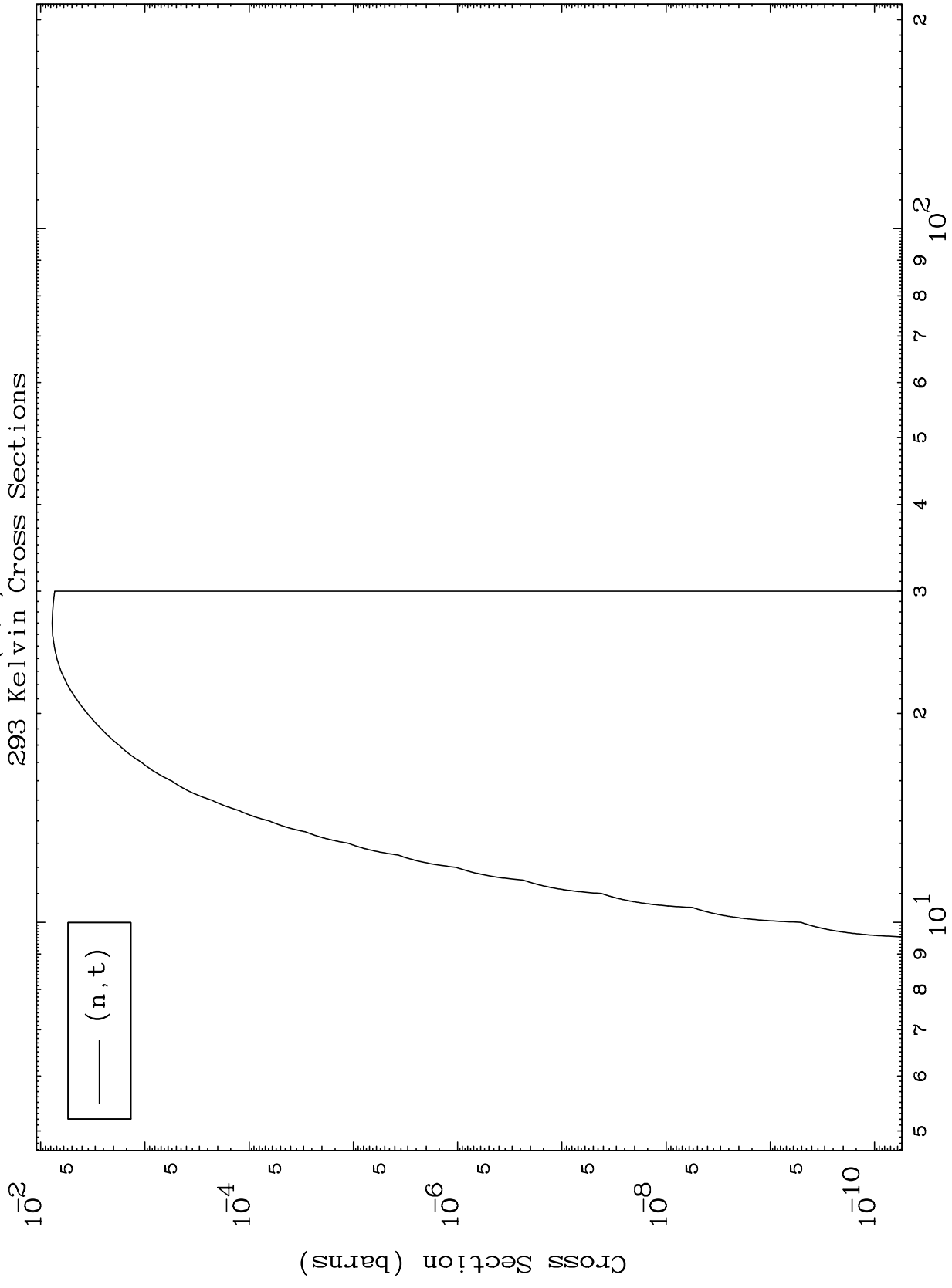
Incident Energy (MeV)

70-Yb-171

MAT 7034

(n,t) Levels  
293 Kelvin Cross Sections

70-Yb-171



12

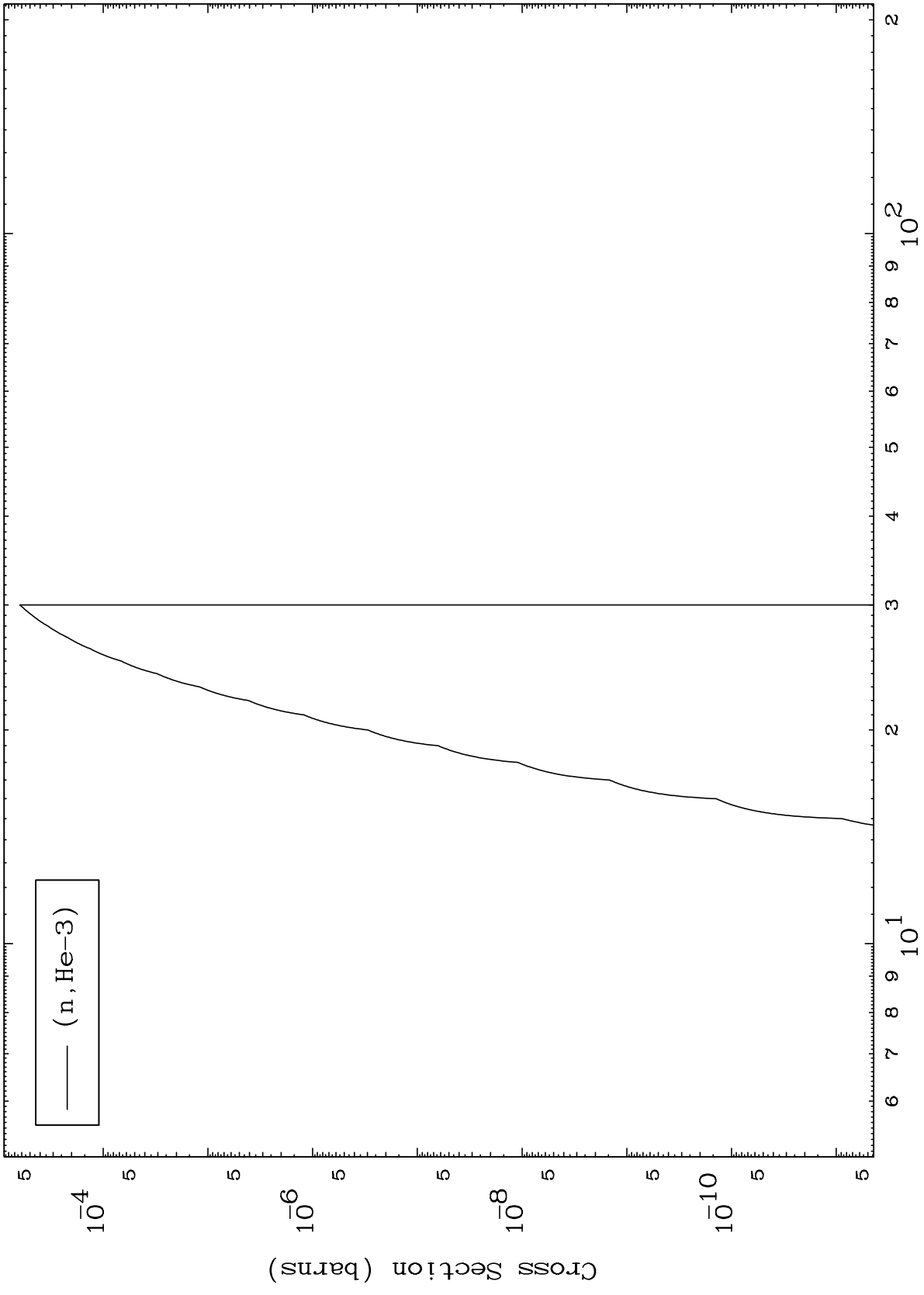
Incident Energy (MeV)

70-Yb-171

MAT 7034

(n,He3) Levels  
293 Kelvin Cross Sections

70-Yb-171



13

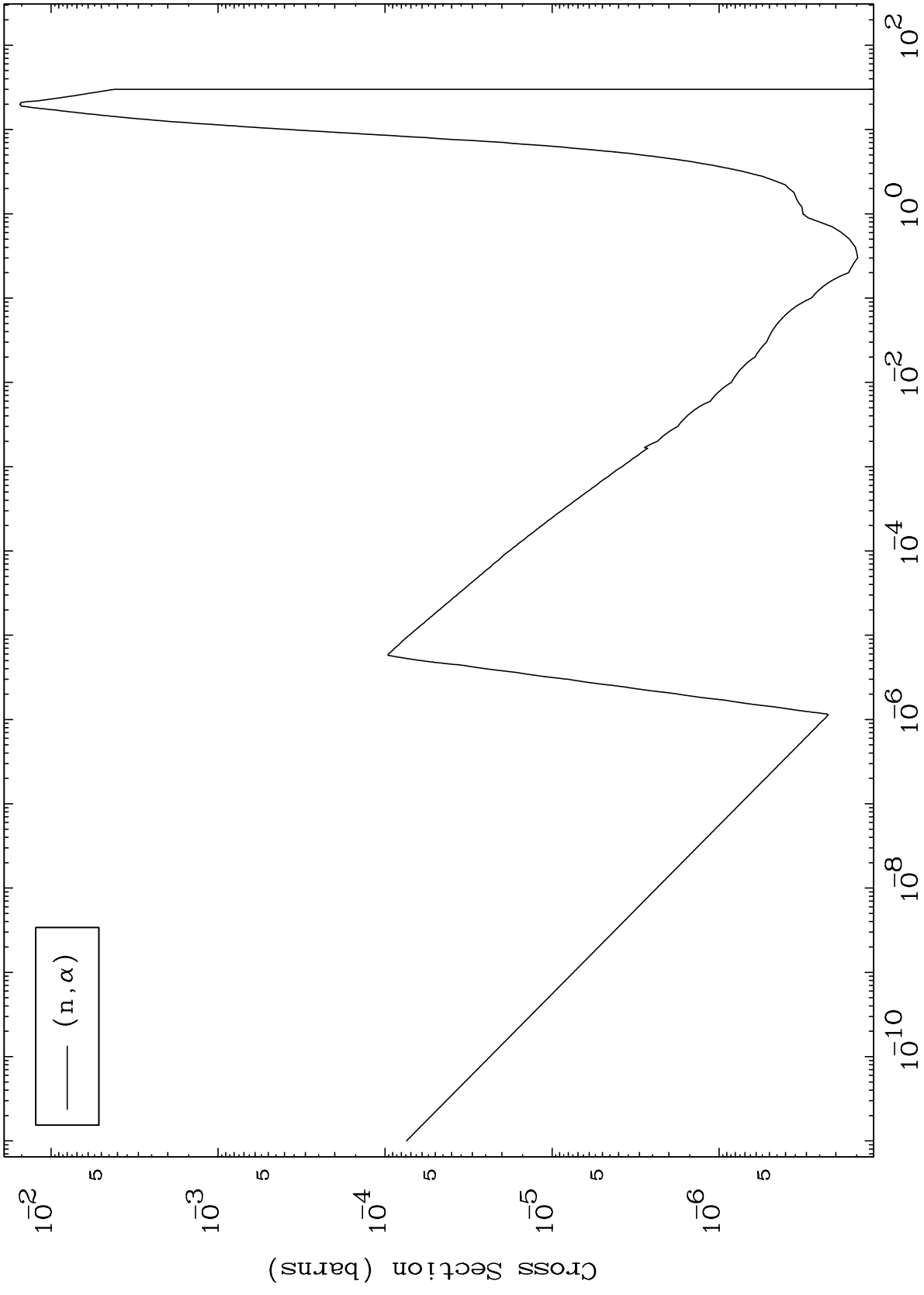
Incident Energy (MeV)

70-Yb-171

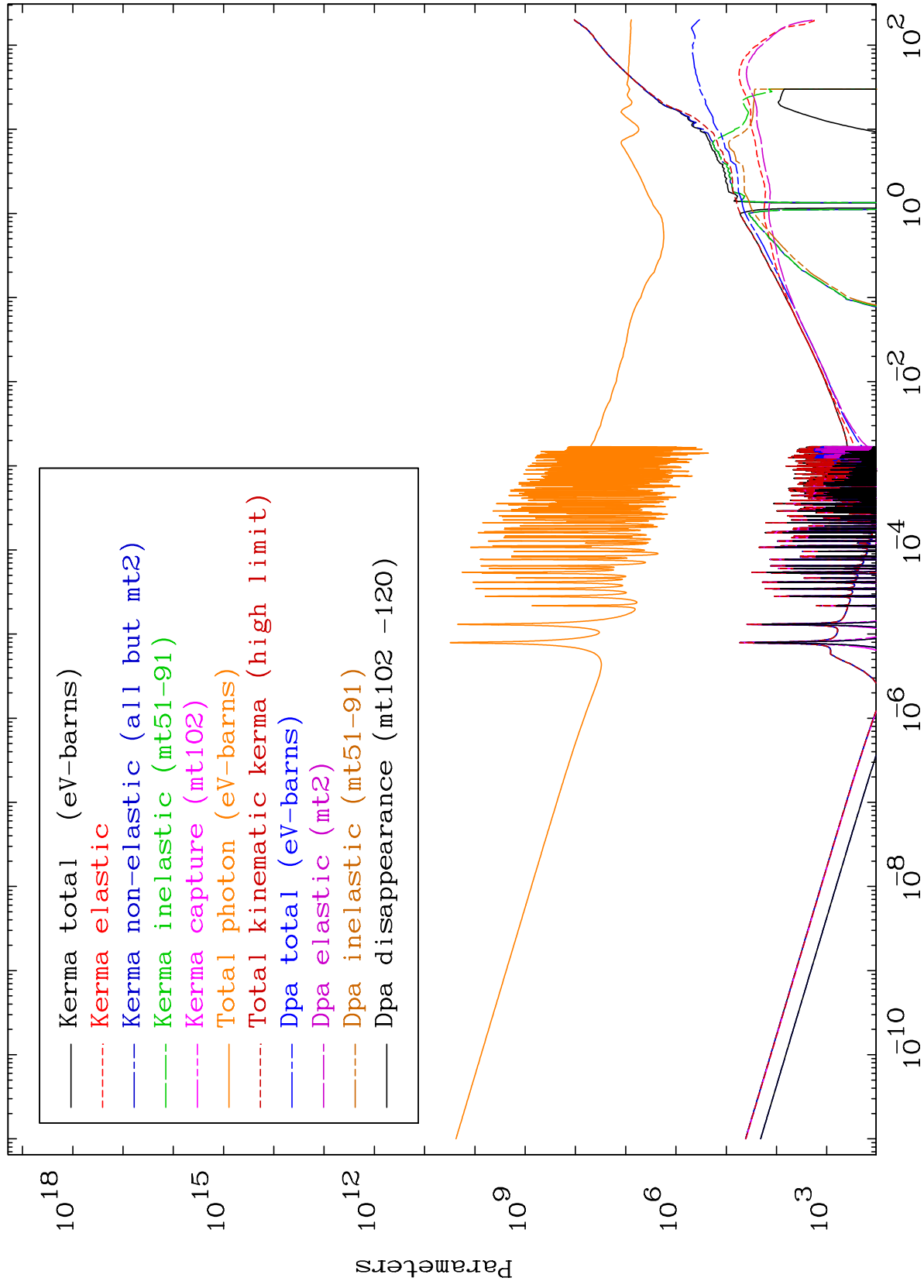
MAT 7034

(n,α) Levels  
293 Kelvin Cross Sections

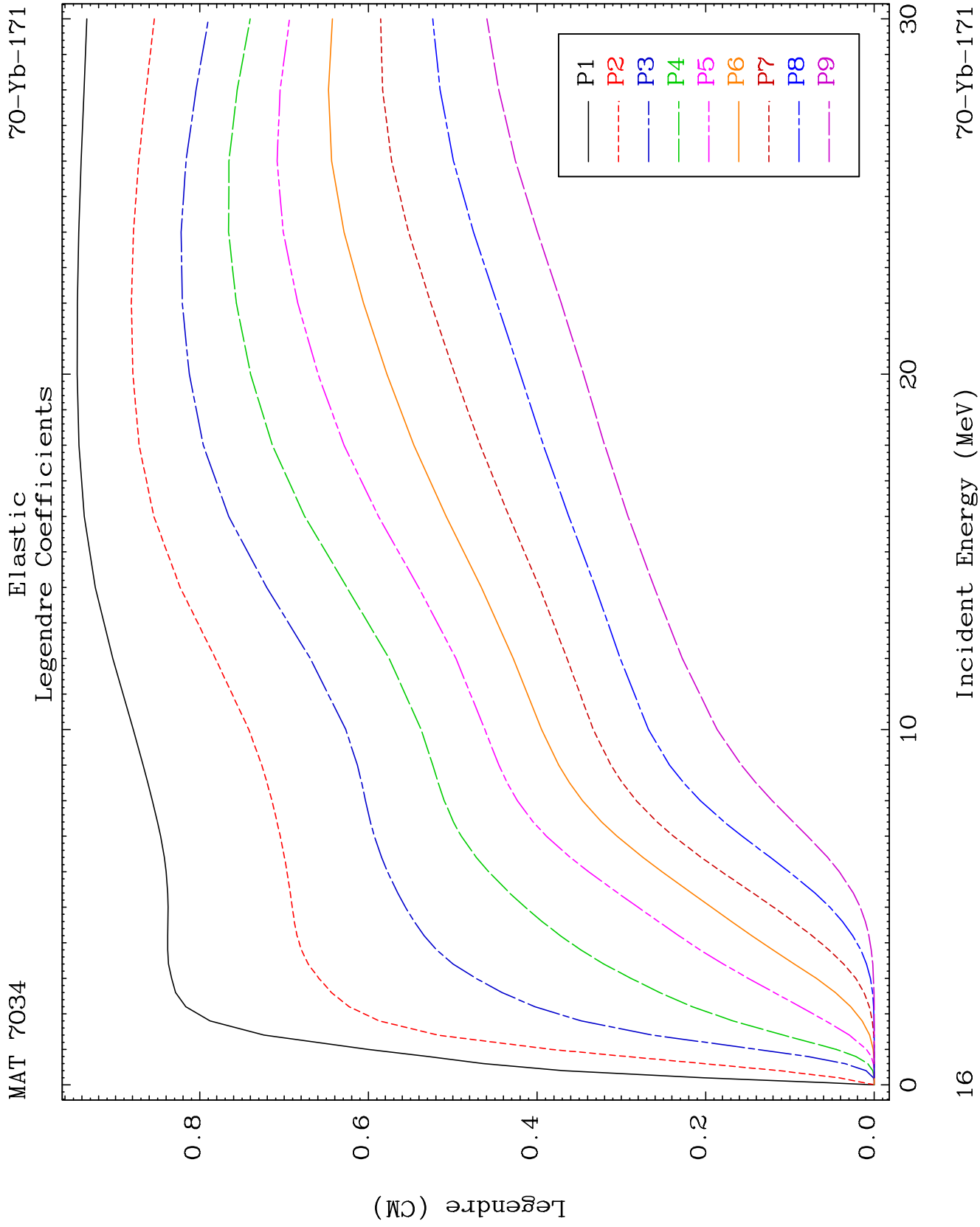
70-Yb-171

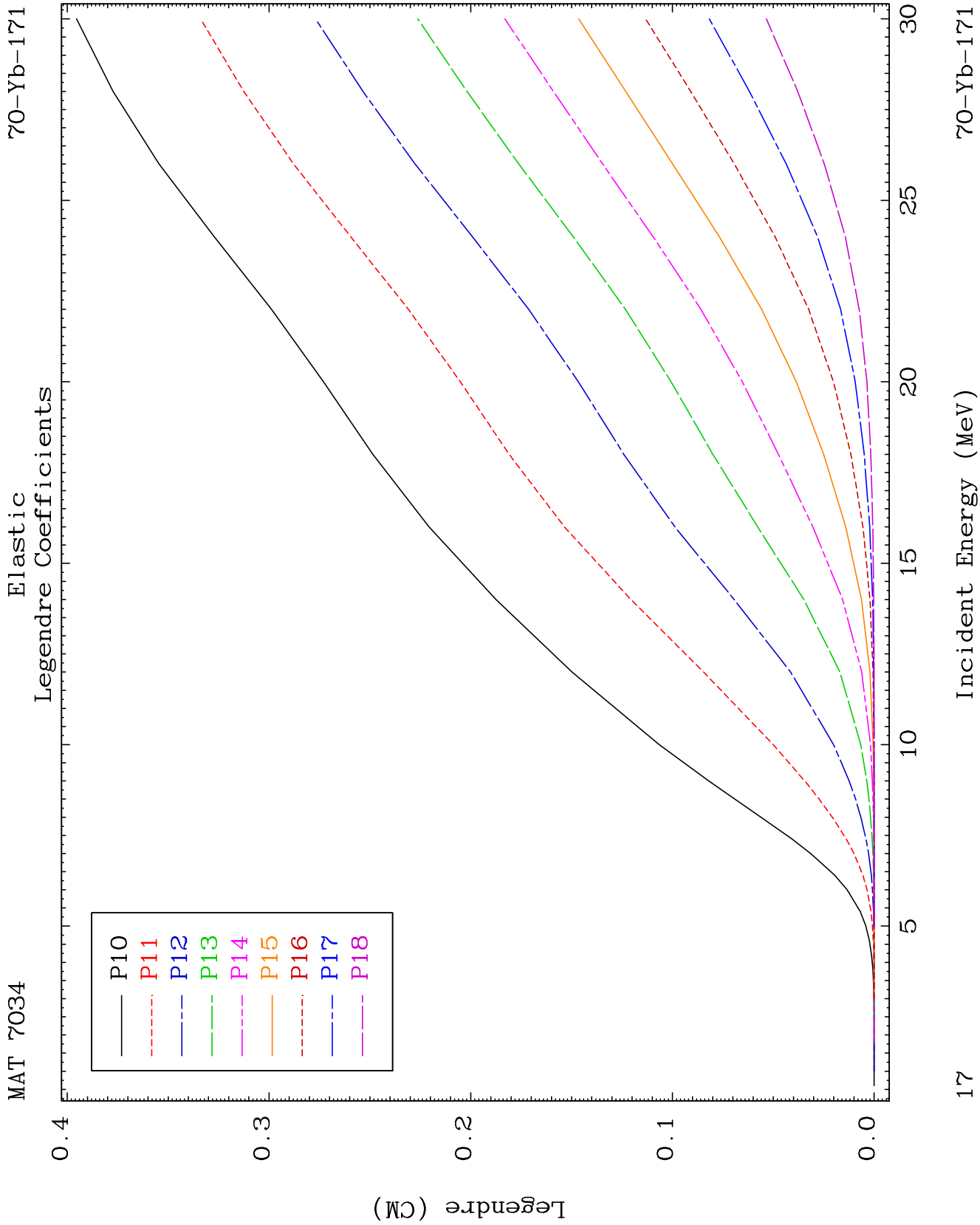


70-Yb-171





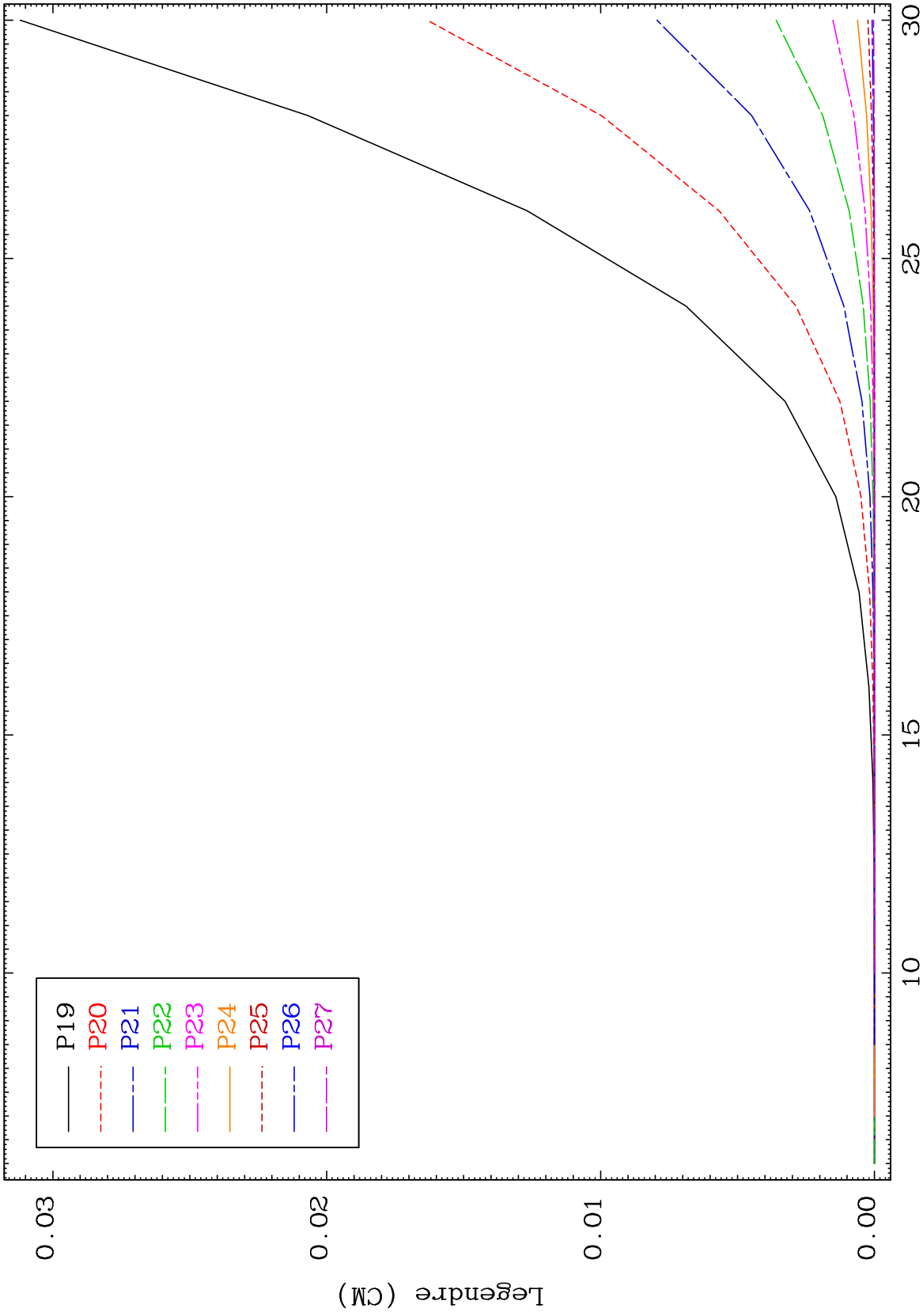




MAT 7034

Elastic Legendre Coefficients

70-Yb-171



18

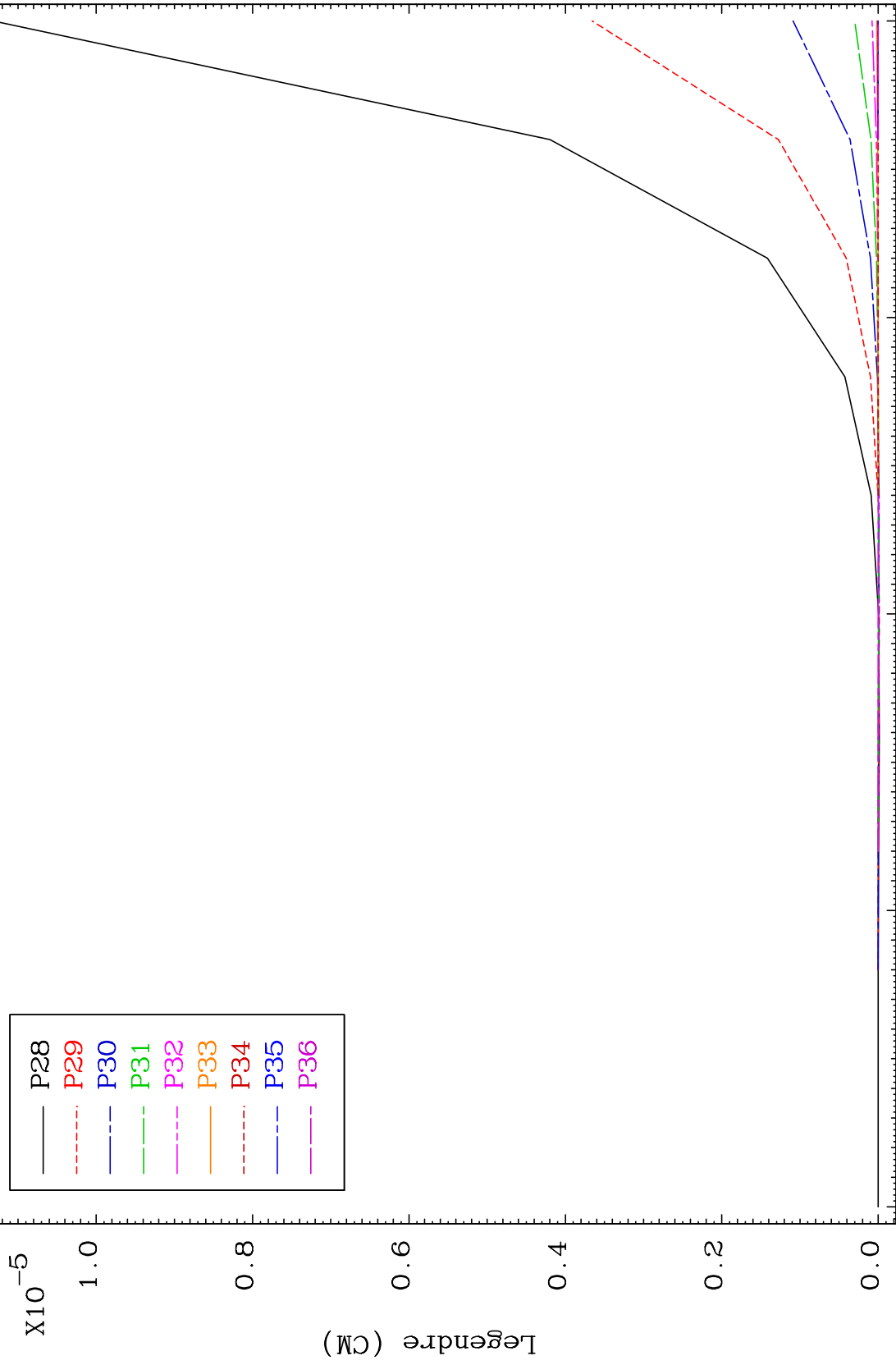
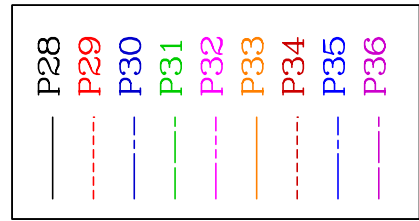
Incident Energy (MeV)

70-Yb-171

MAT 7034

Elastic Legendre Coefficients

70-Yb-171



19

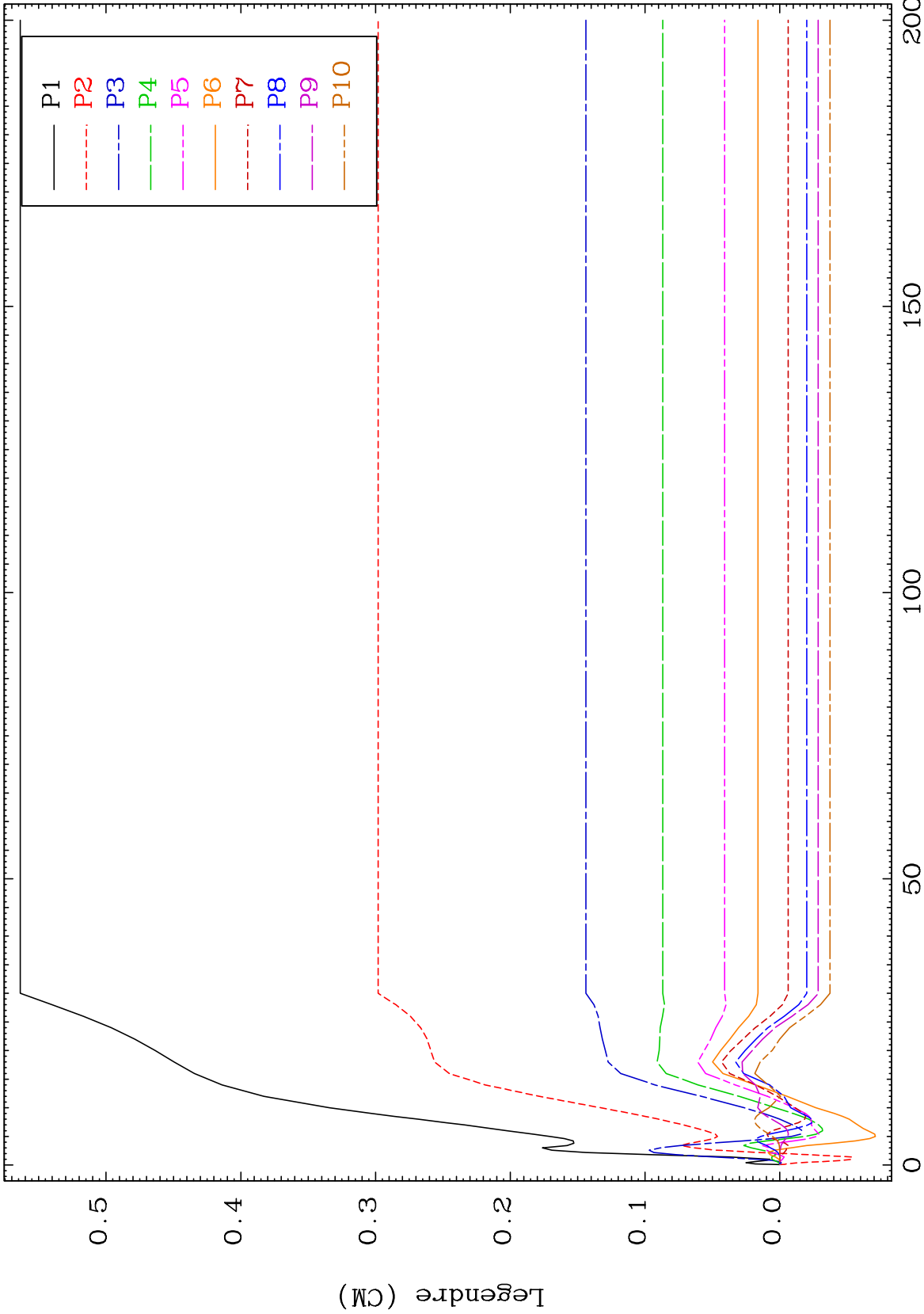
Incident Energy (MeV)

70-Yb-171

MAT 7034

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

70-Yb-171

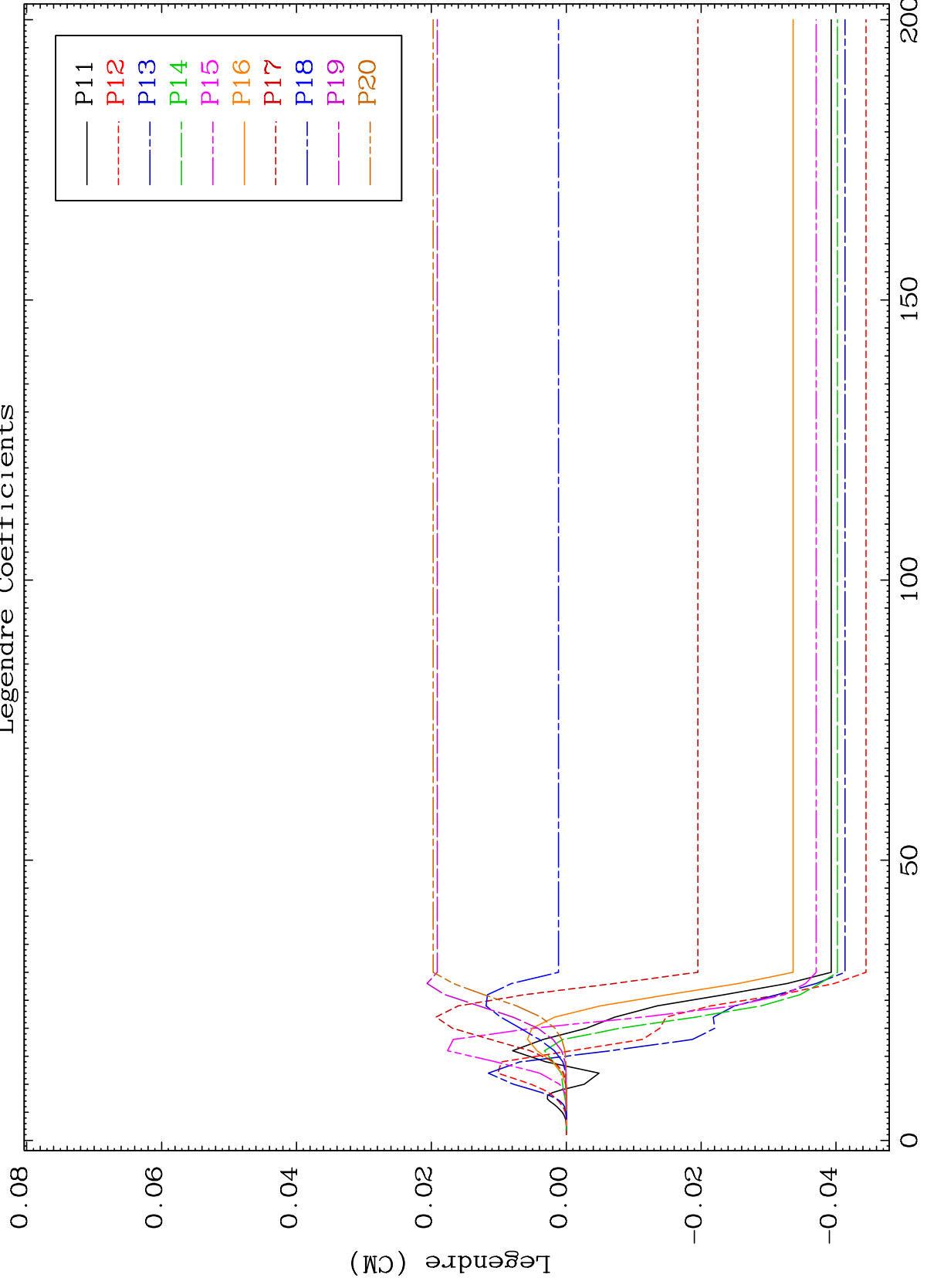


20

Incident Energy (MeV)

70-Yb-171

MAT 7034 MT= 51 (n,n') Level Legendre Coefficients 70-Yb-171

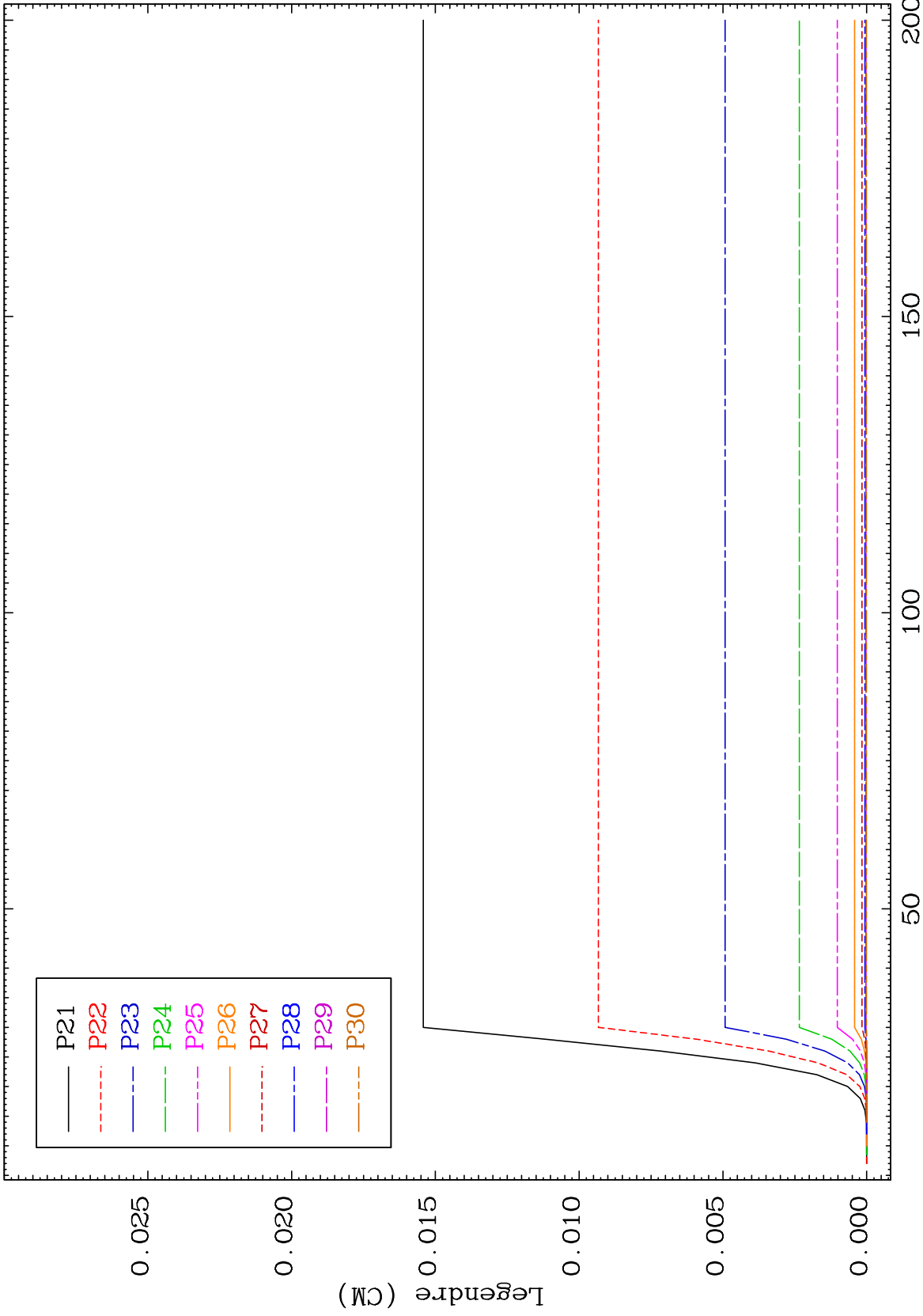


21 70-Yb-171

MAT 7034

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

70-Yb-171



22

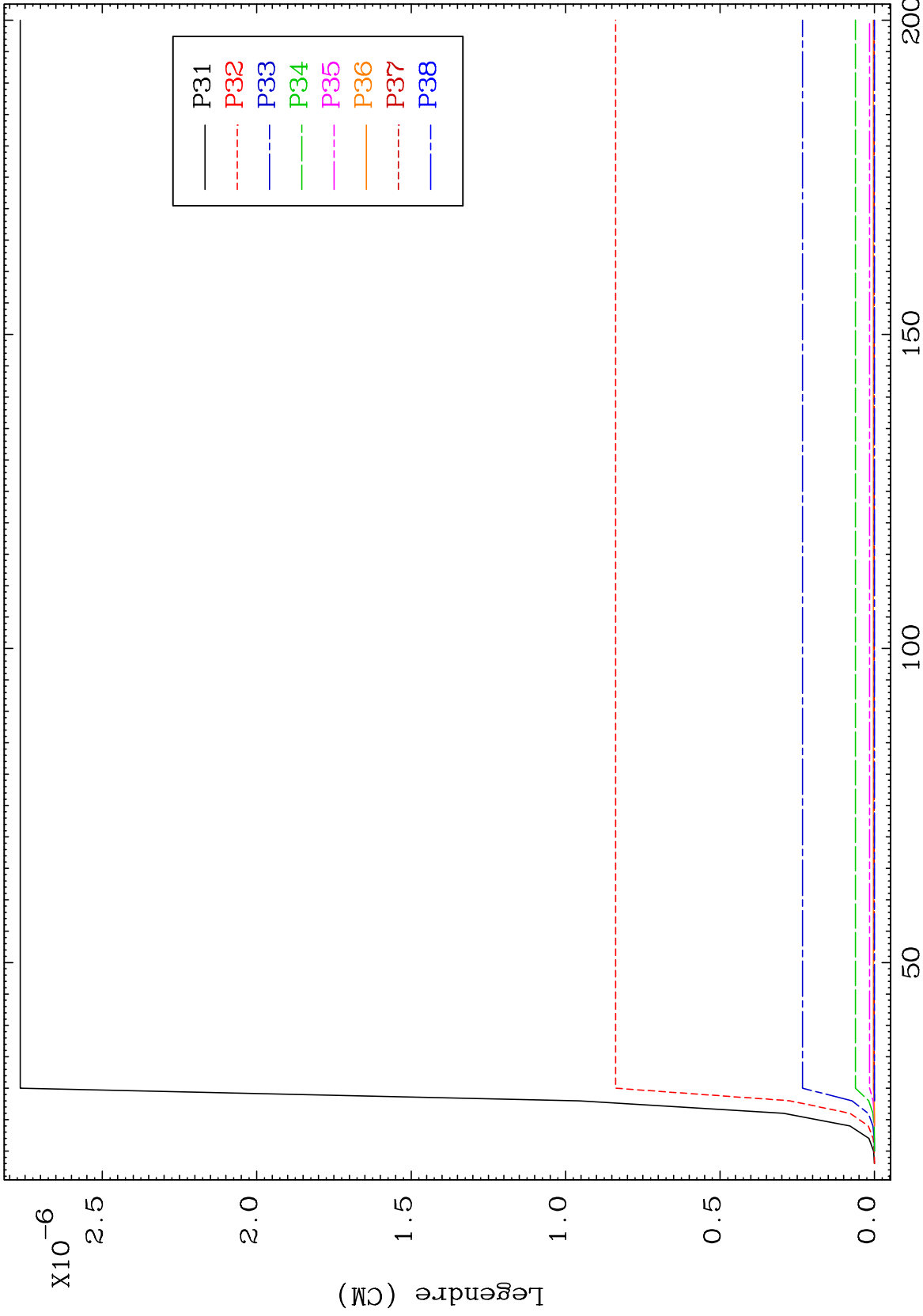
Incident Energy (MeV)

70-Yb-171

MAT 7034

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

70-Yb-171



23

Incident Energy (MeV)

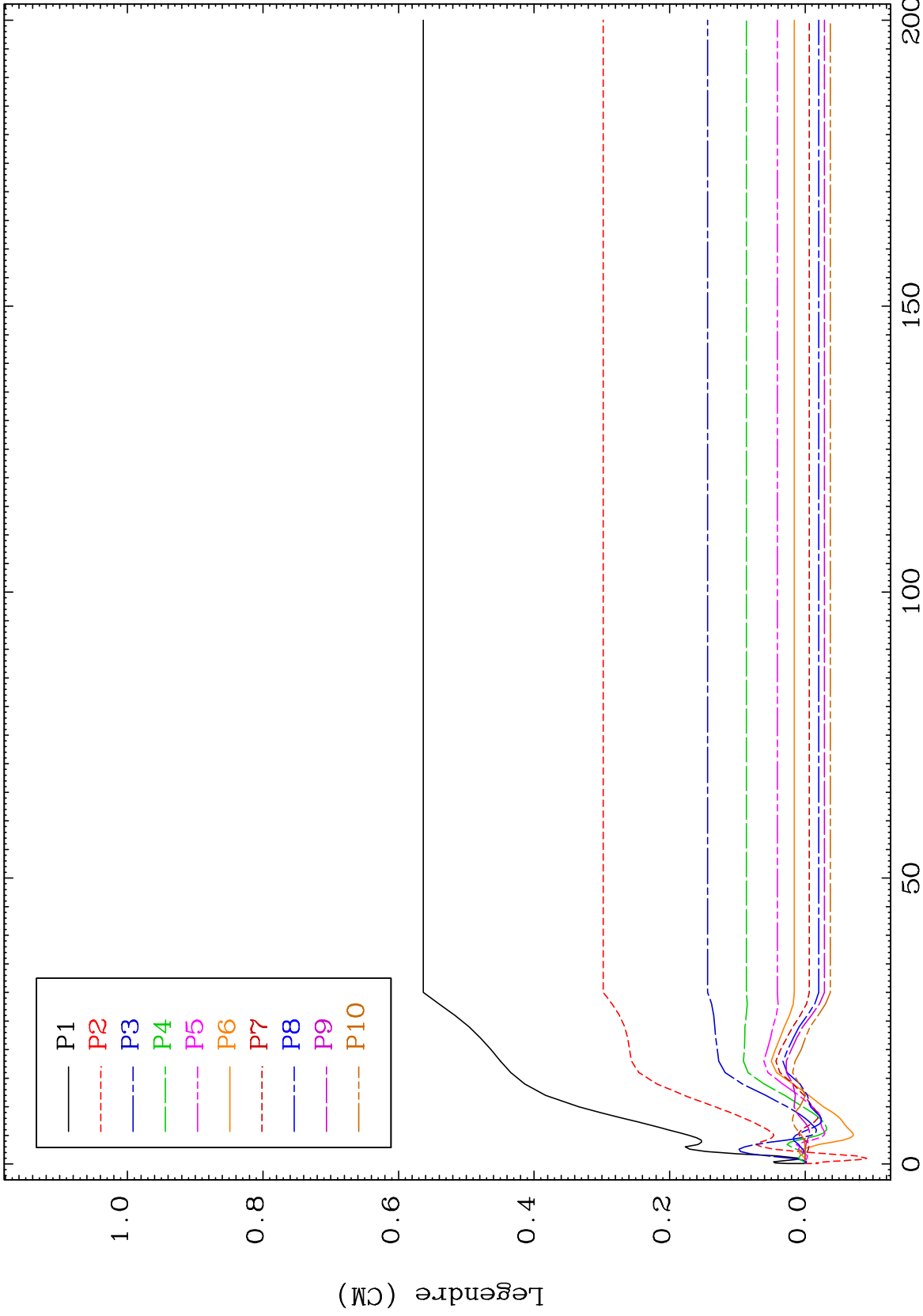
70-Yb-171



MAT 7034

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

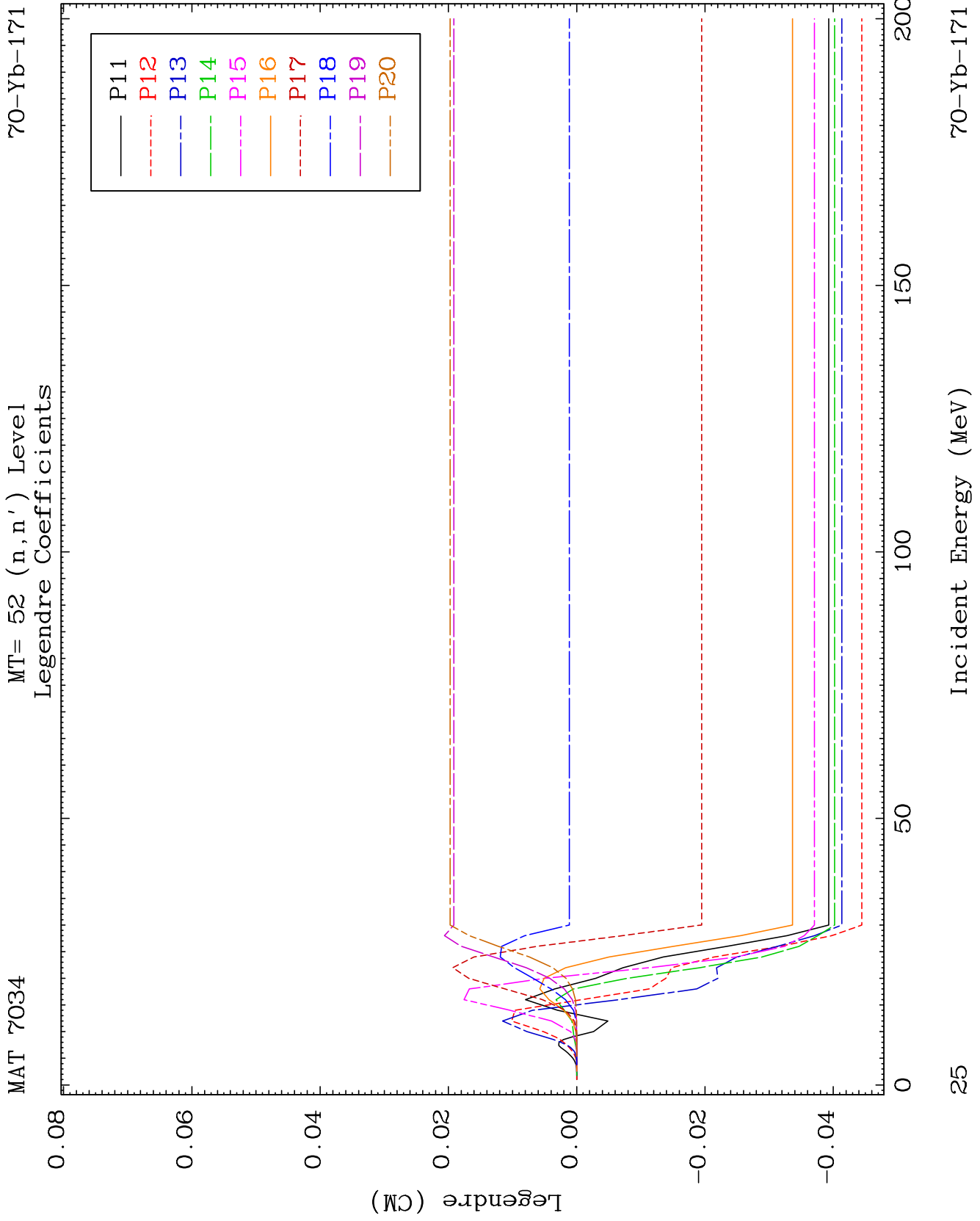
70-Yb-171



24

Incident Energy (MeV)

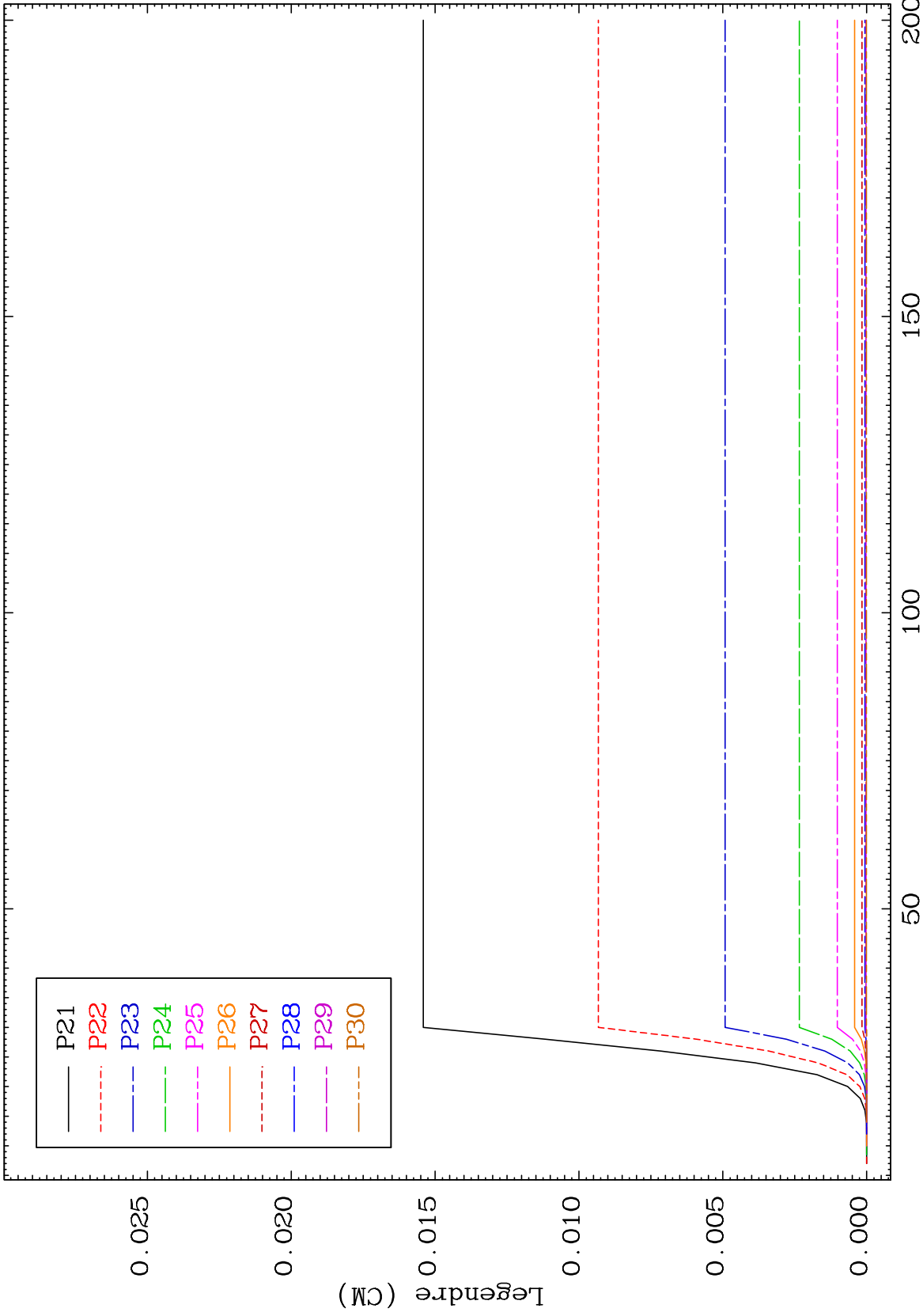
70-Yb-171



MAT 7034

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

70-Yb-171



26

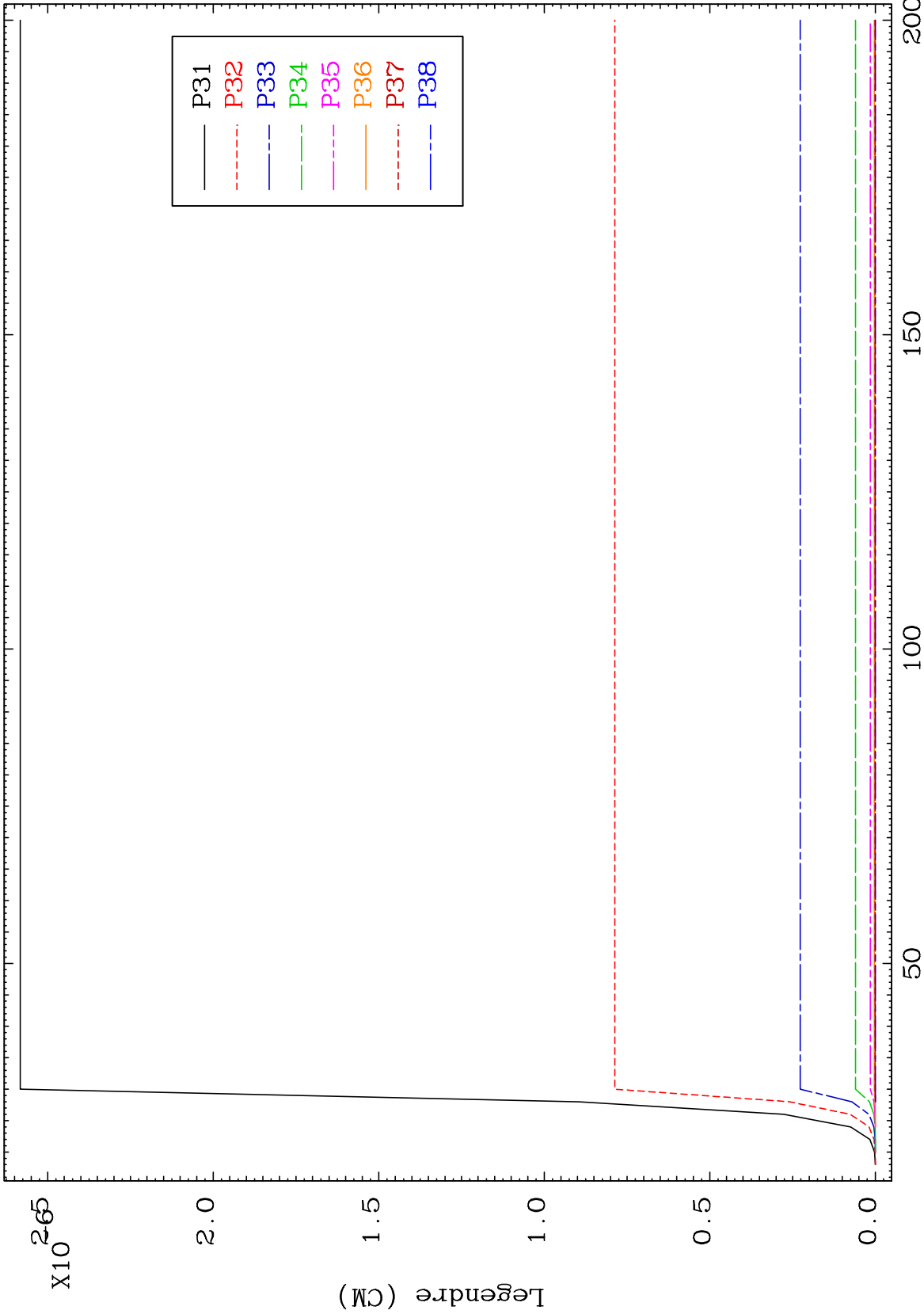
Incident Energy (MeV)

70-Yb-171

MAT 7034

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

70-Yb-171



27

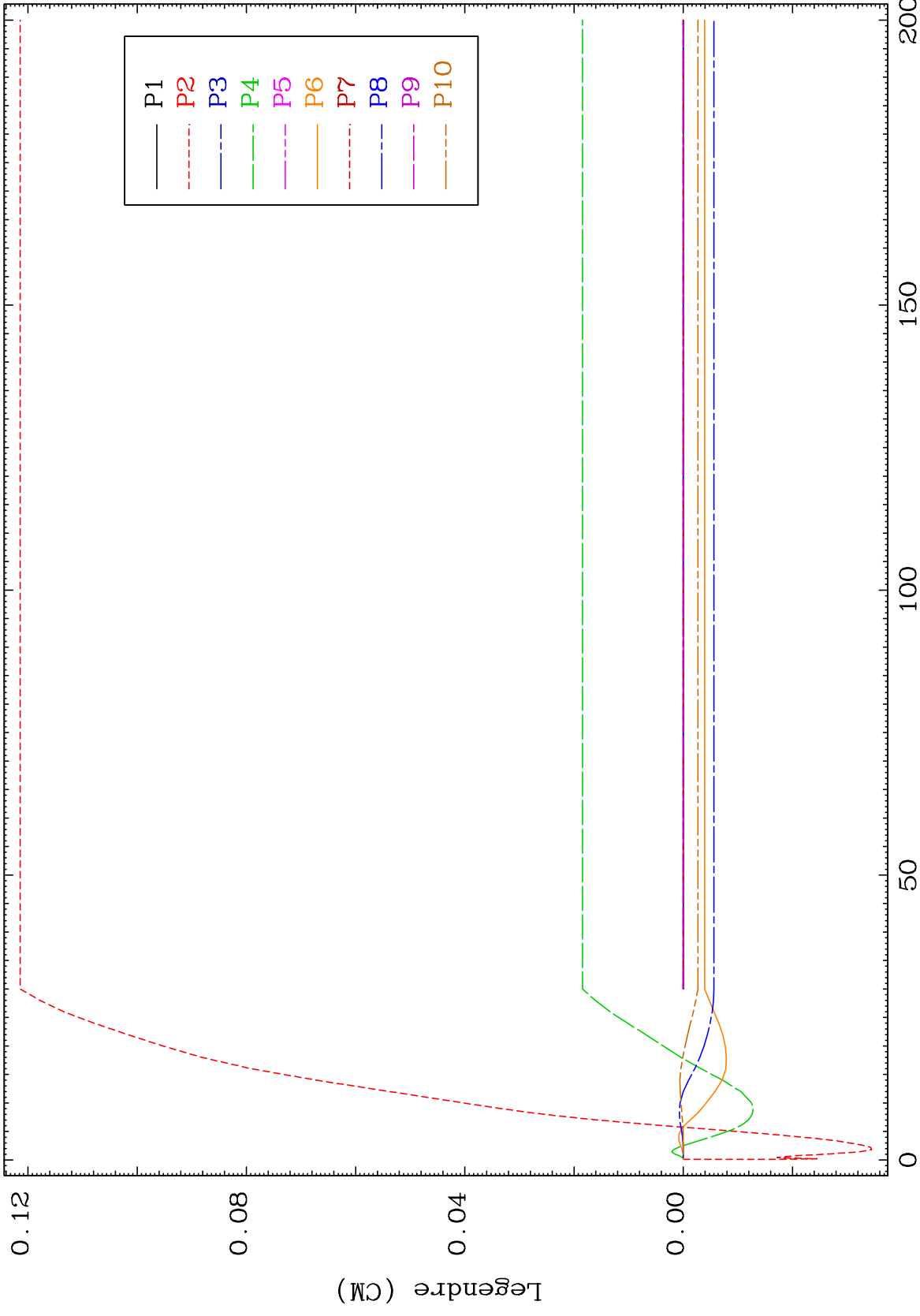
Incident Energy (MeV)

70-Yb-171

MAT 7034

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

70-Yb-171



28

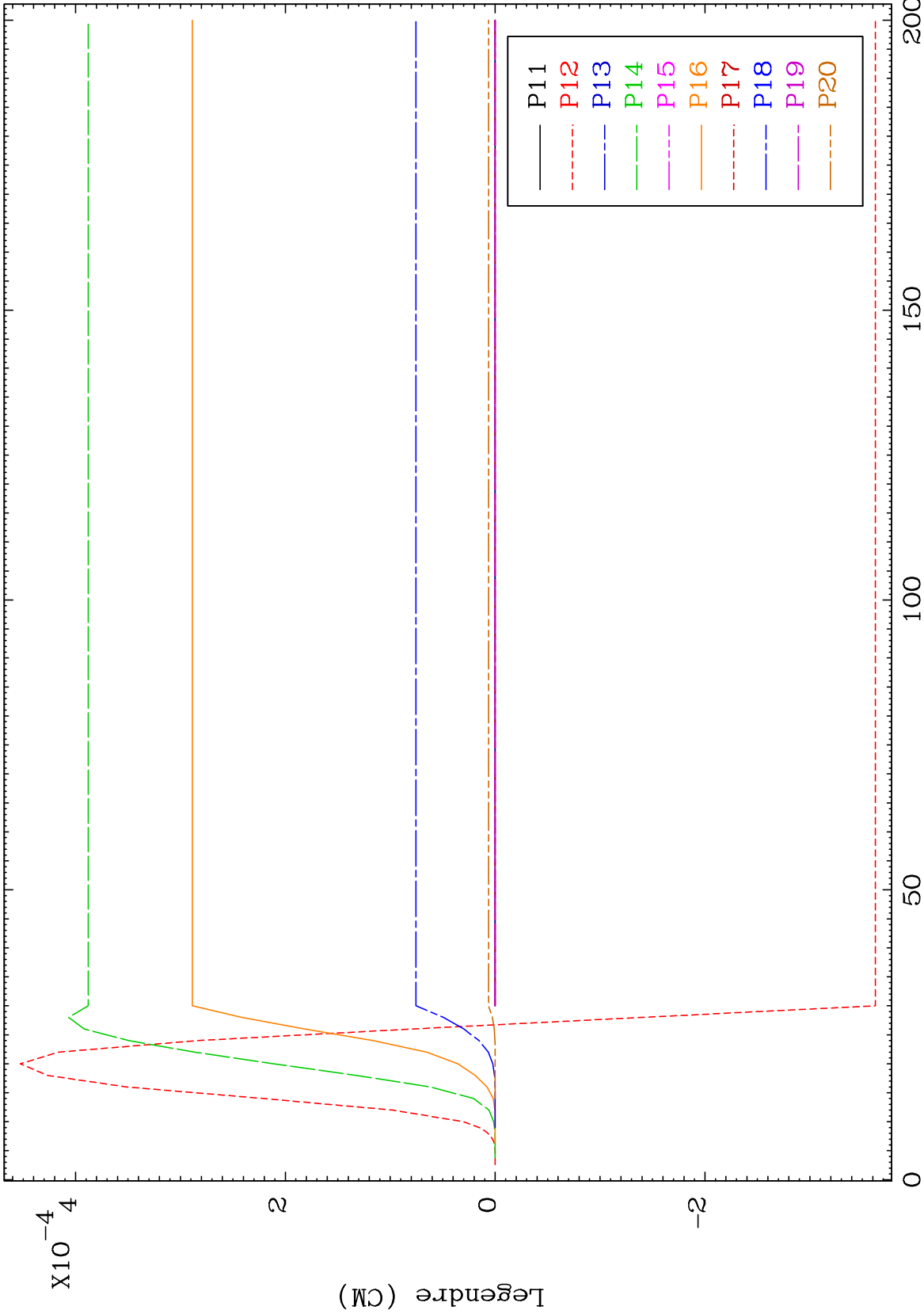
Incident Energy (MeV)

70-Yb-171

MAT 7034

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

70-Yb-171

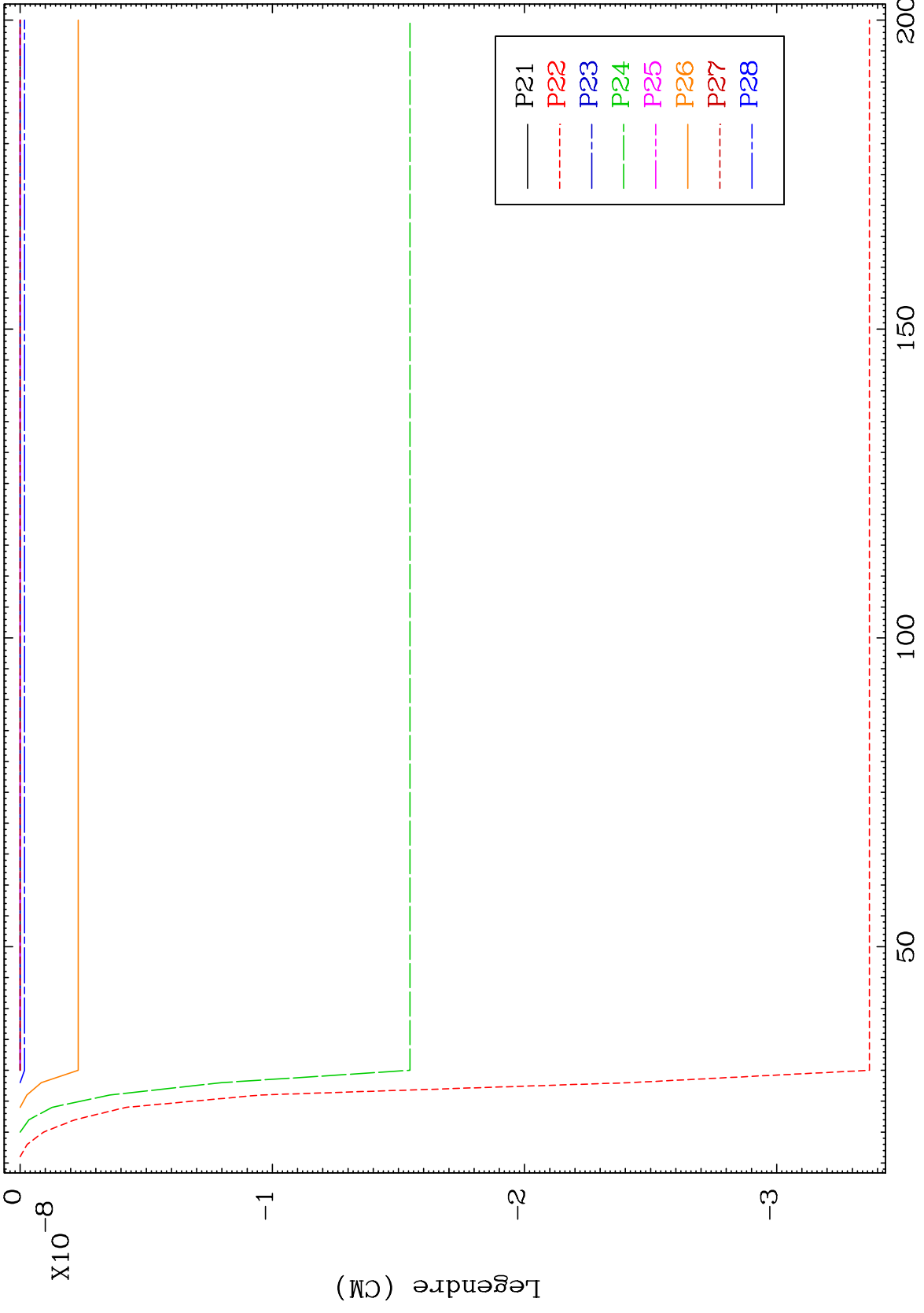


29

Incident Energy (MeV)

70-Yb-171

MAT 7034 MT= 53 (n,n') Level Legendre Coefficients 70-Yb-171

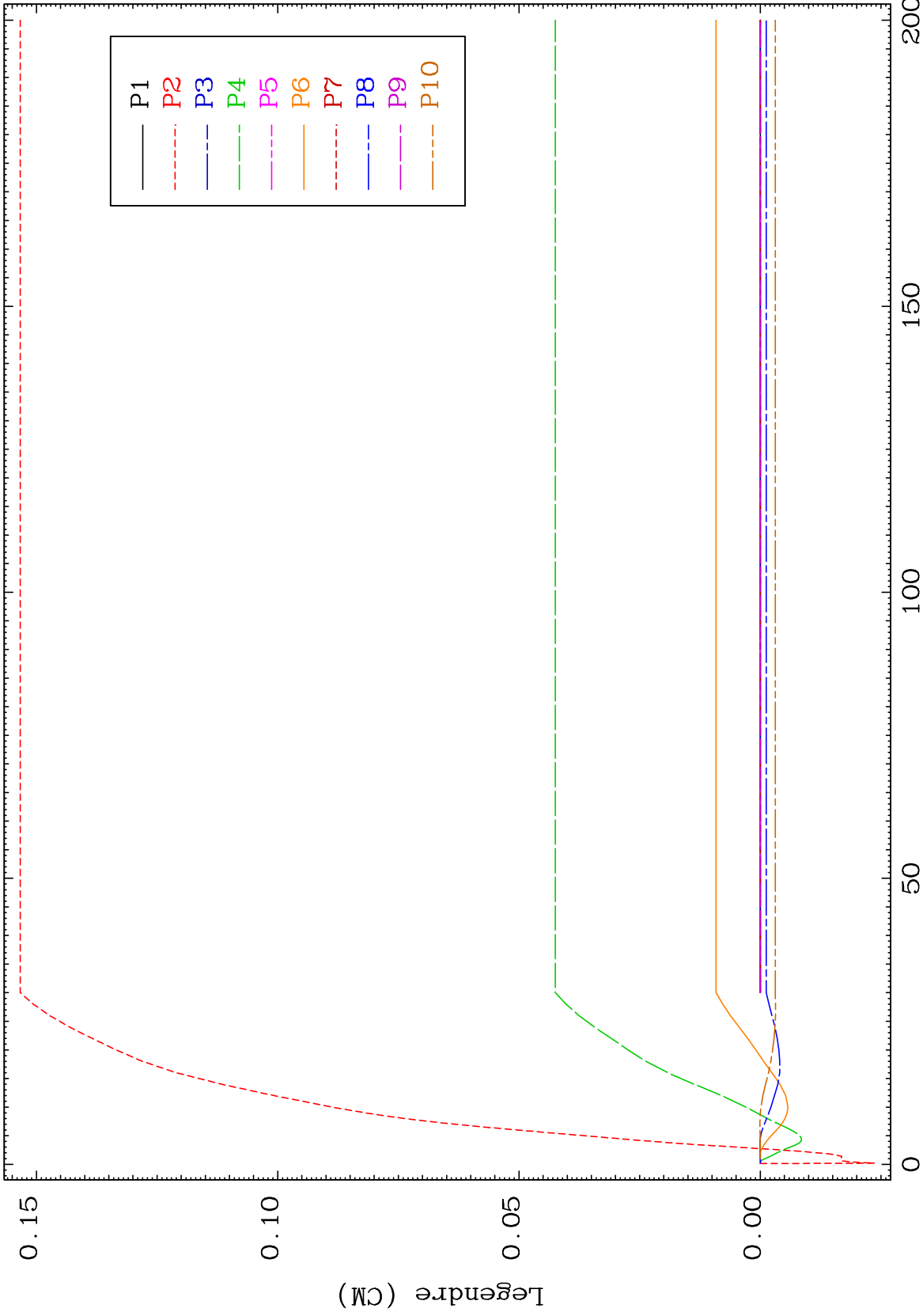


30 Incident Energy (MeV) 70-Yb-171

MAT 7034

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

70-Yb-171



31

Incident Energy (MeV)

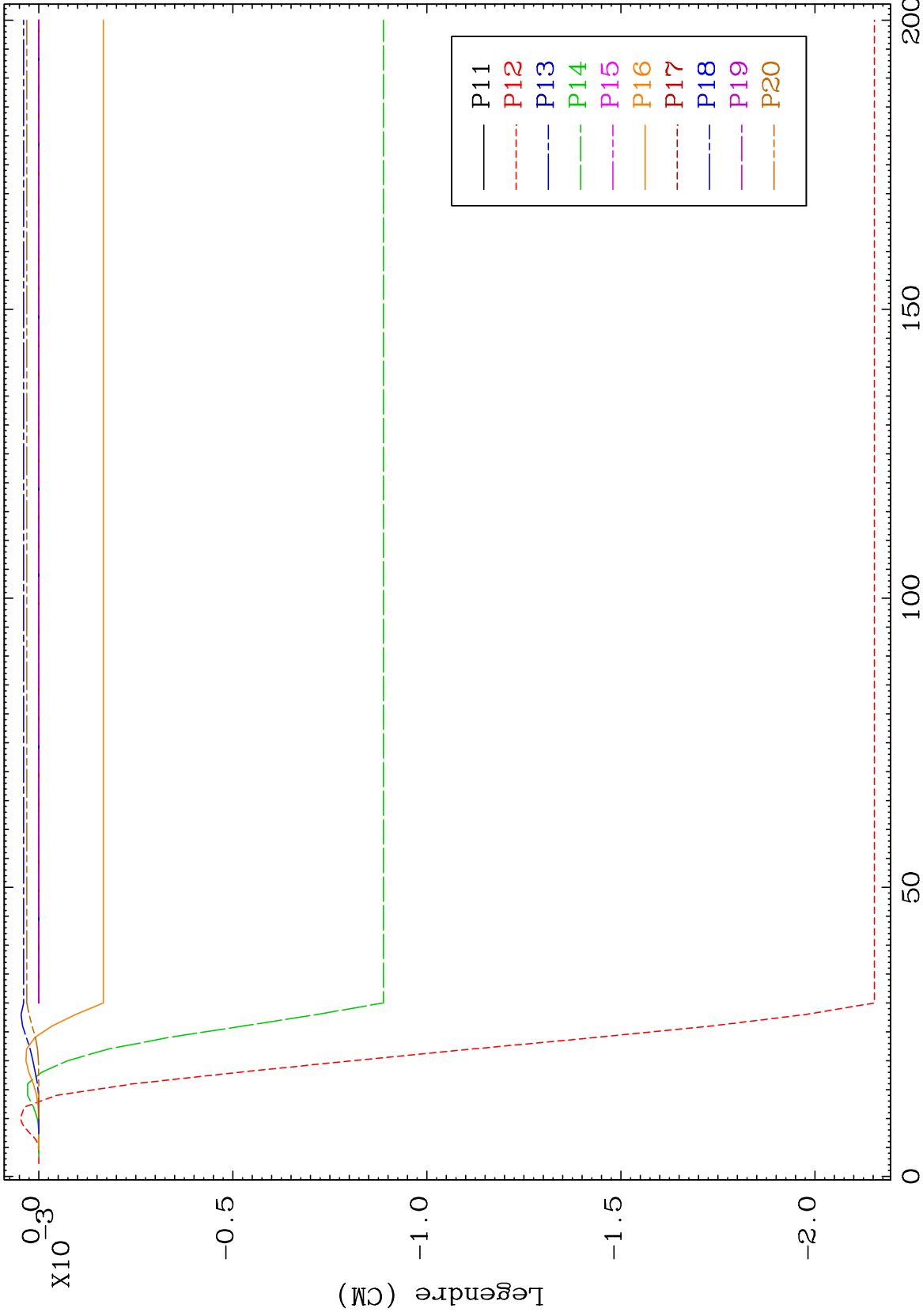
70-Yb-171



MAT 7034

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

70-Yb-171

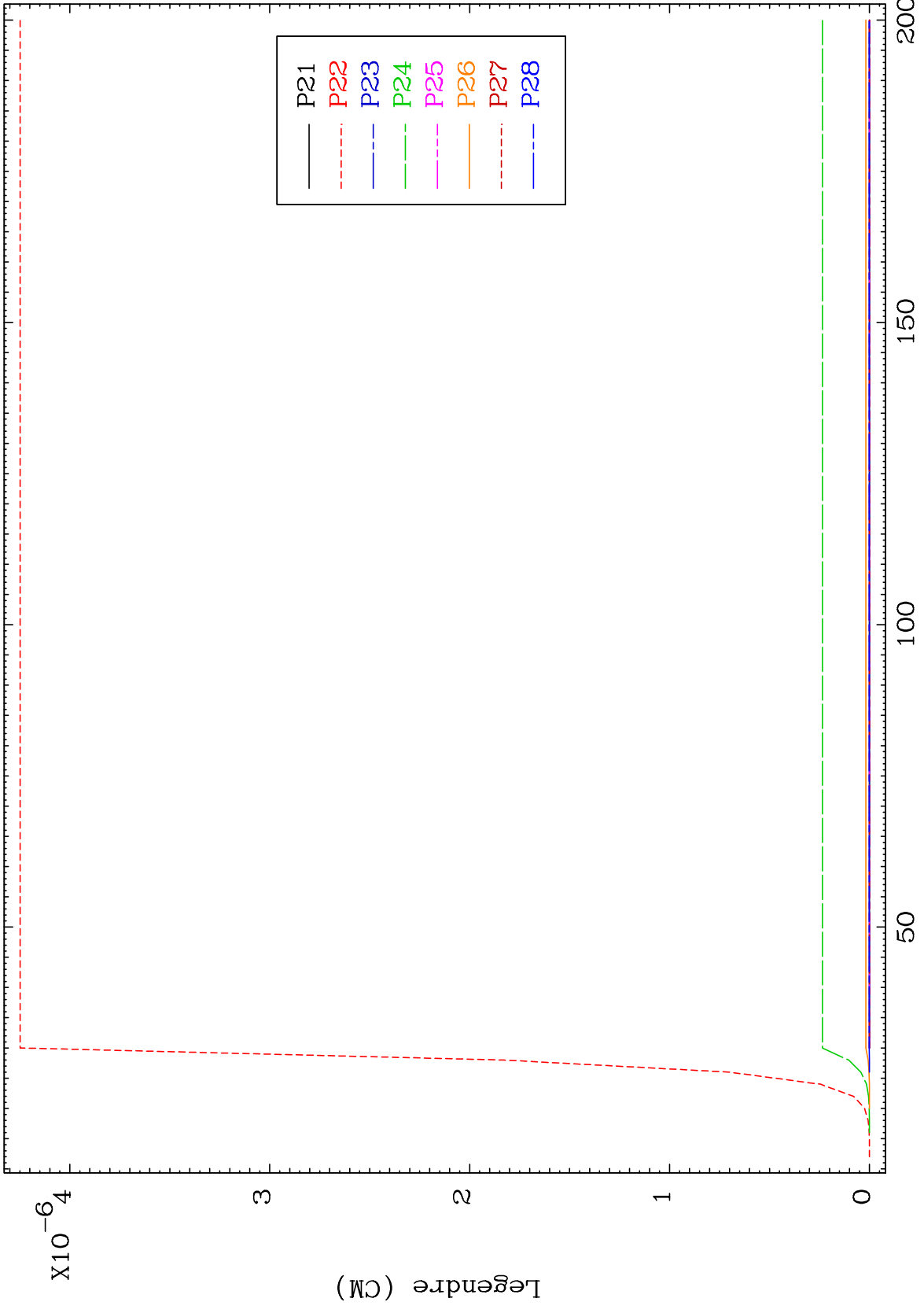


70-Yb-171

Incident Energy (MeV)

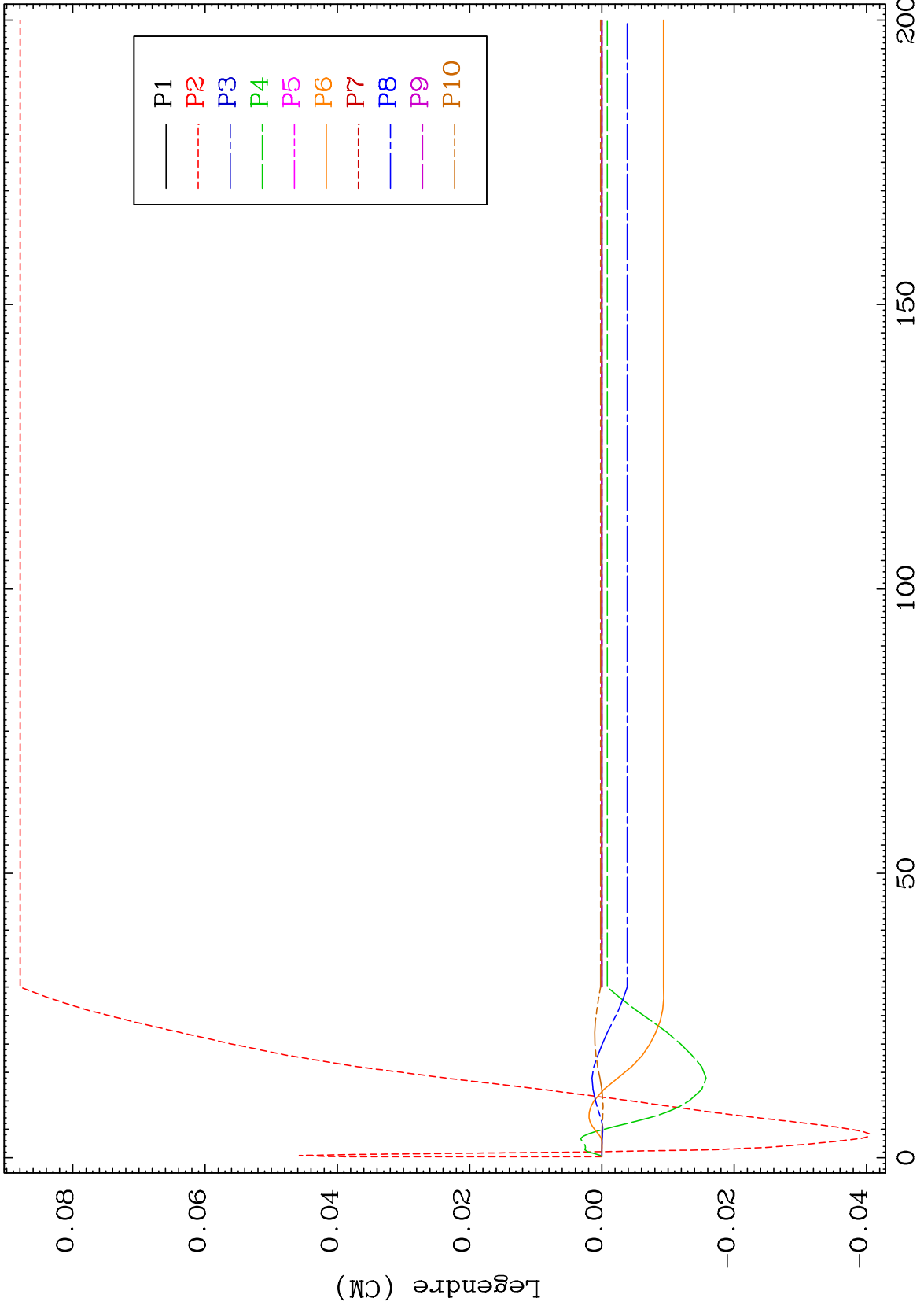
32

MAT 7034 MT= 54 (n,n') Level Legendre Coefficients 70-Yb-171



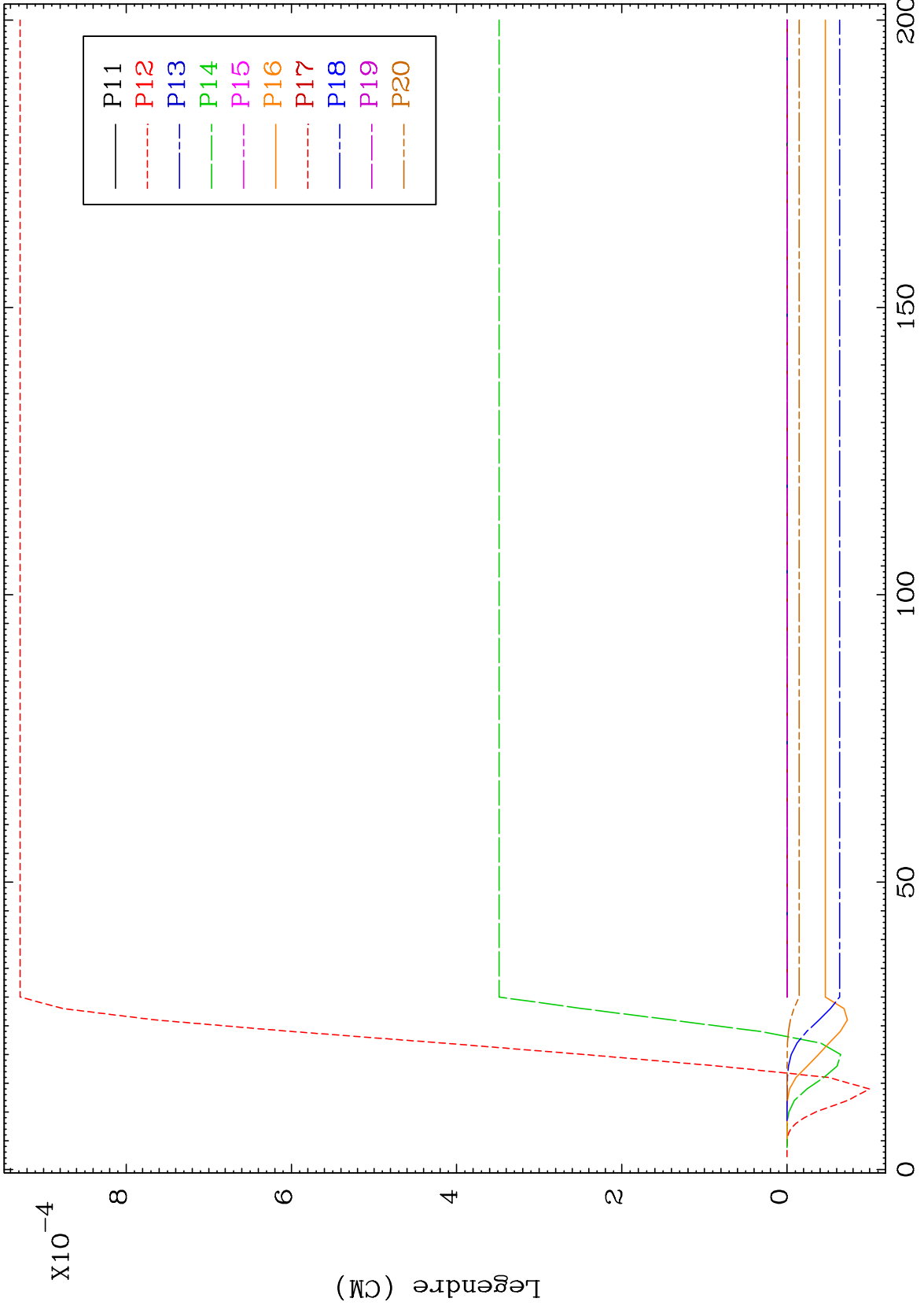
33 Incident Energy (MeV) 70-Yb-171

MAT 7034 MT= 55 (n,n') Level Legendre Coefficients 70-Yb-171



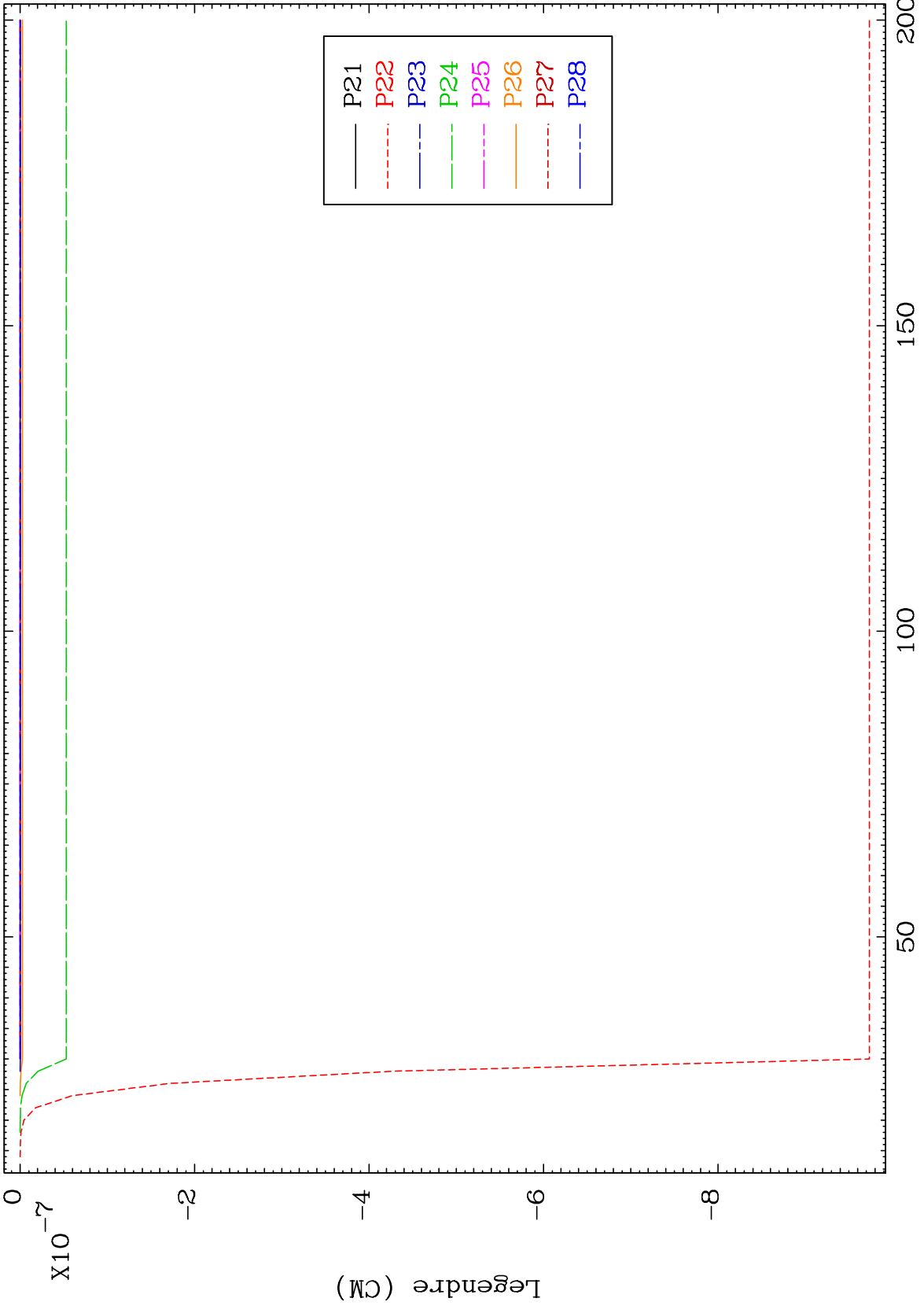
34 70-Yb-171

MAT 7034 MT= 55 (n,n') Level Legendre Coefficients 70-Yb-171

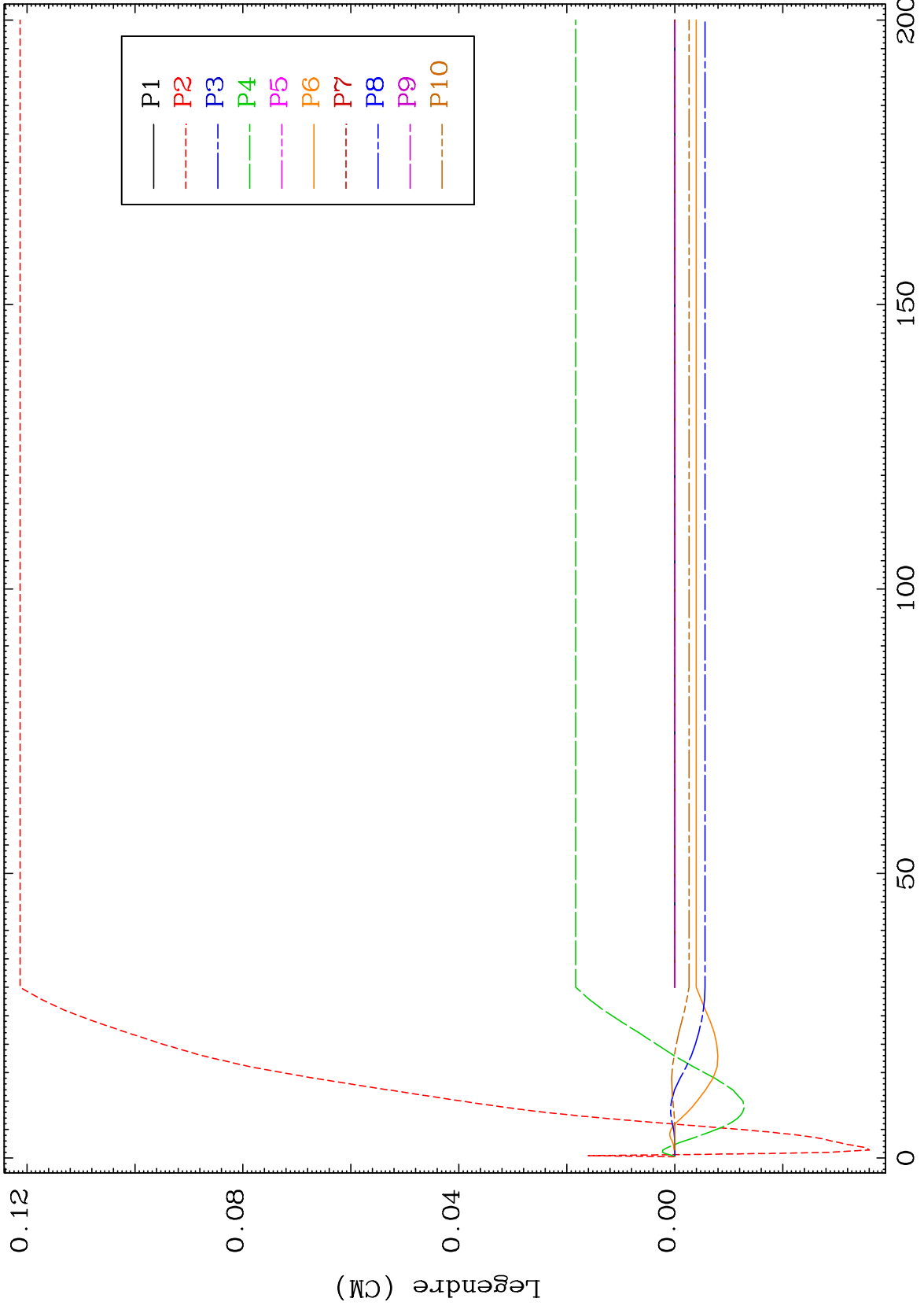


35 Incident Energy (MeV) 70-Yb-171

MAT 7034 MT= 55 (n,n') Level Legendre Coefficients 70-Yb-171



MAT 7034 MT= 56 (n,n') Level Legendre Coefficients 70-Yb-171

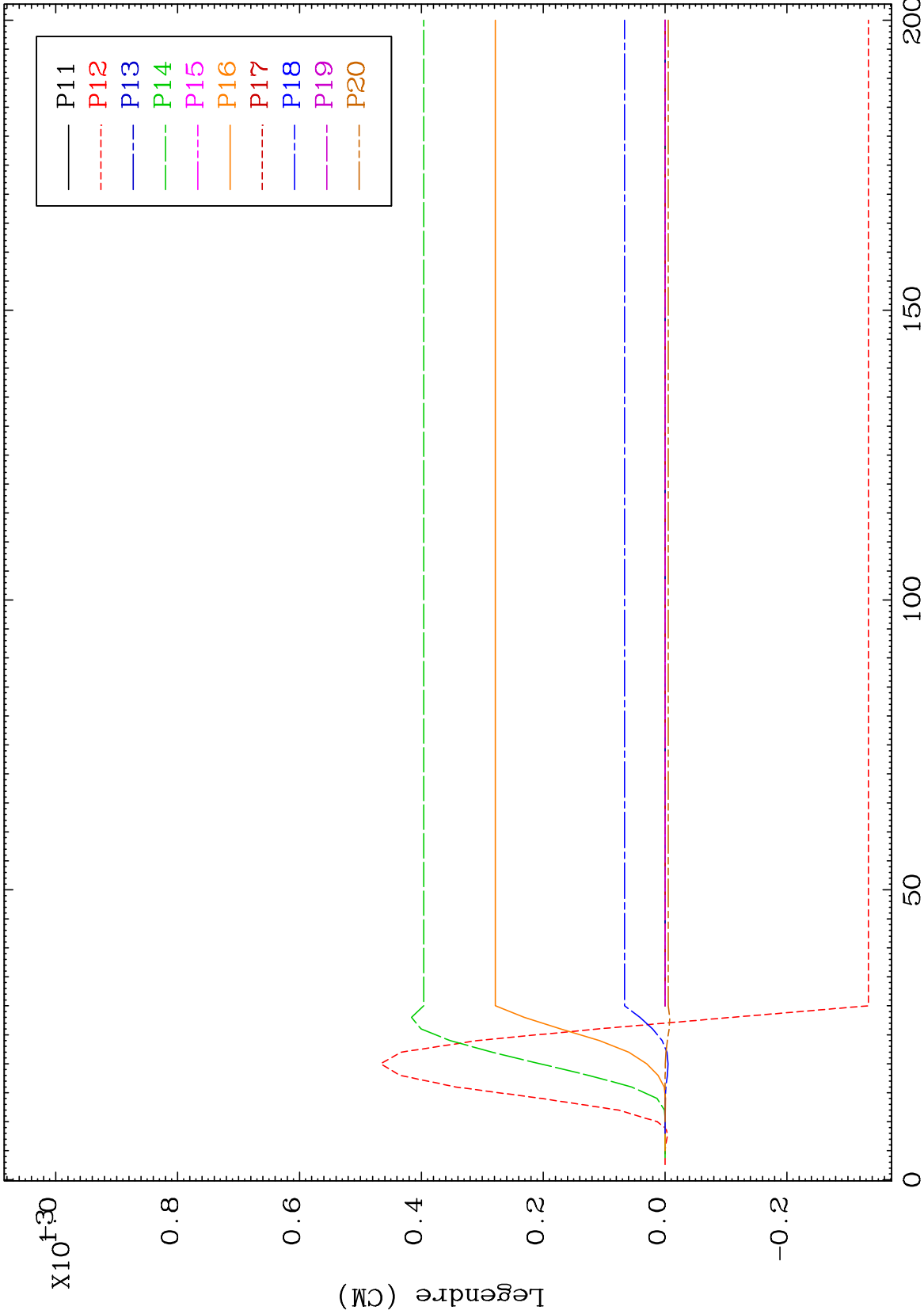


37 70-Yb-171

MAT 7034

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

70-Yb-171

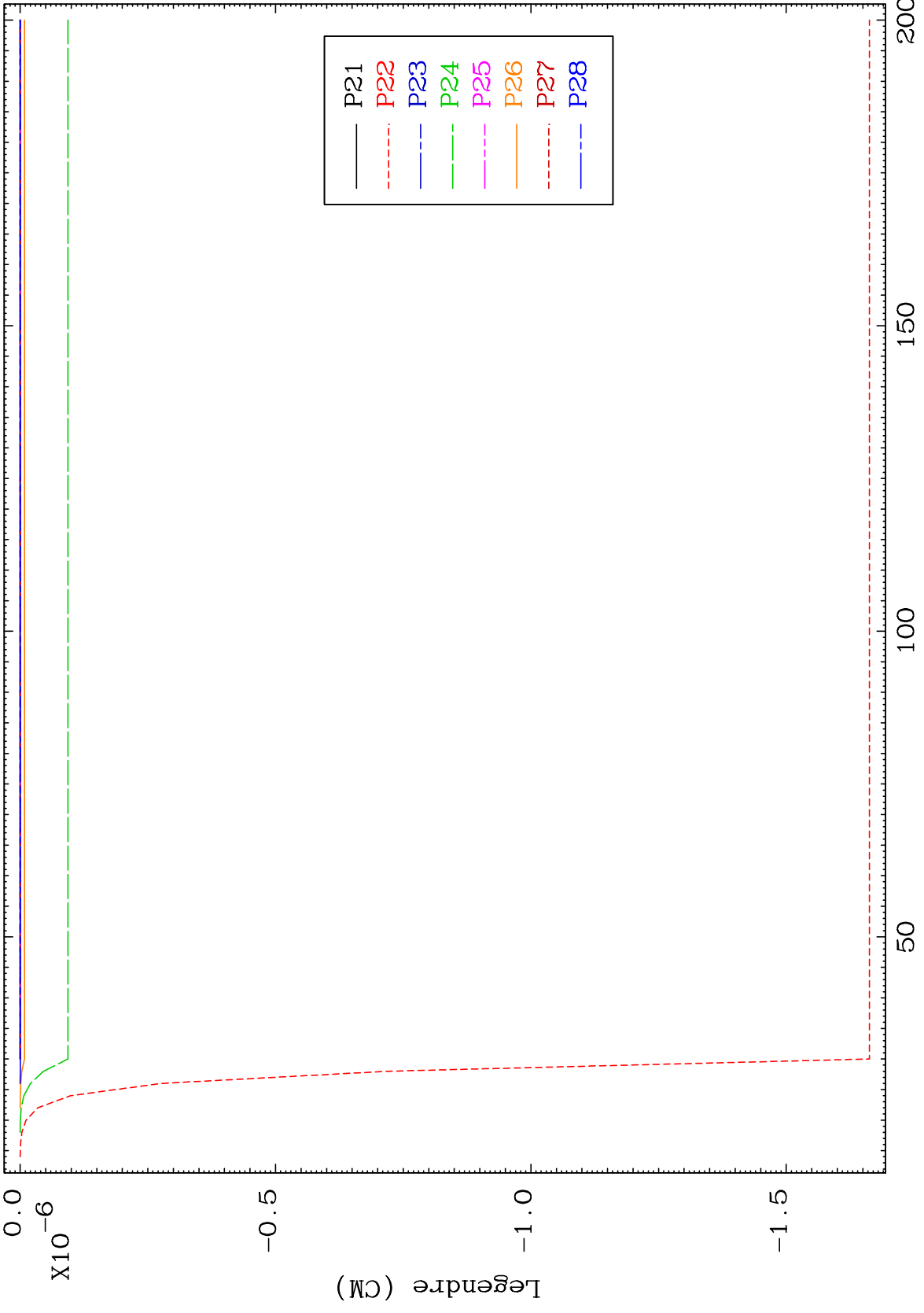


38

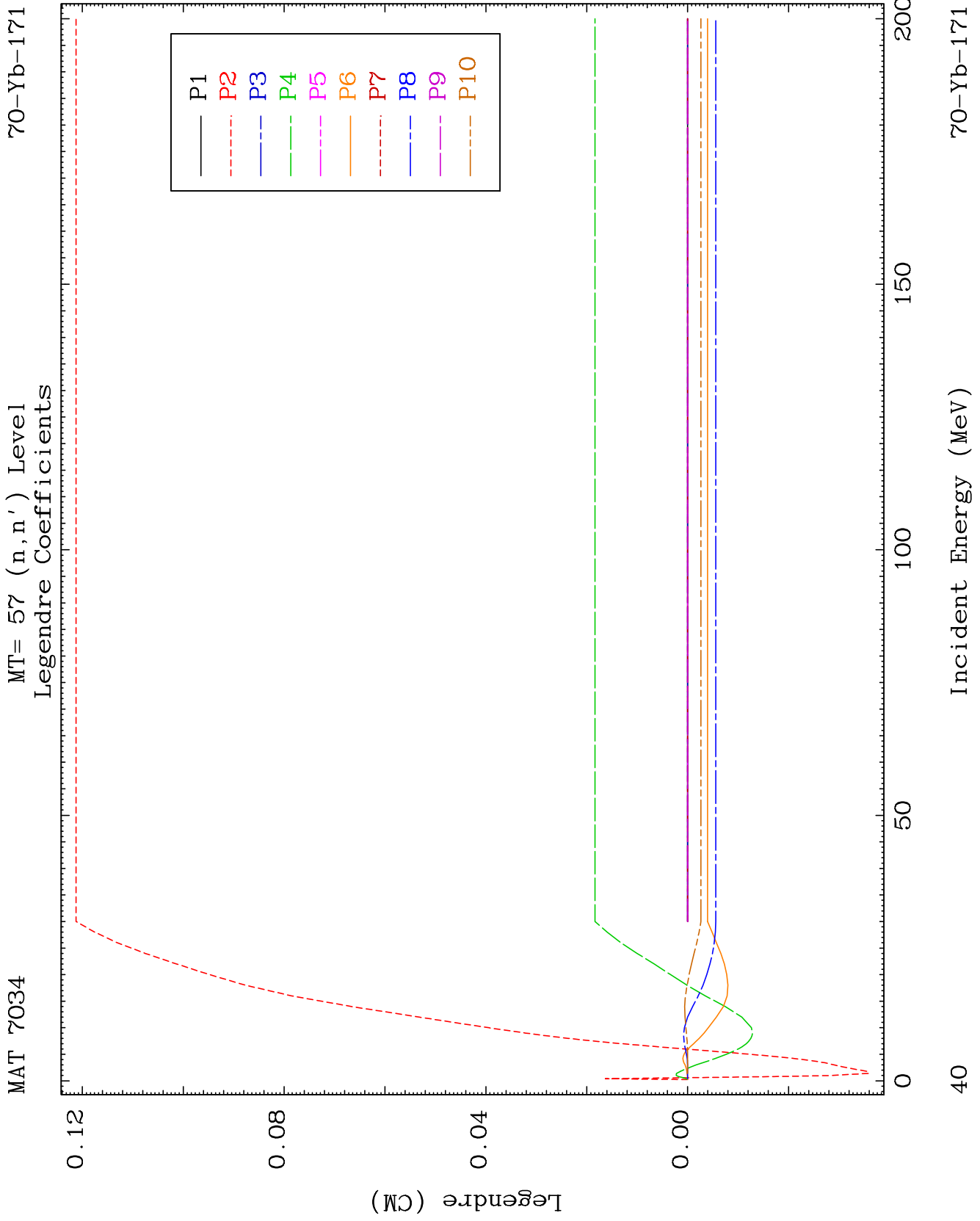
Incident Energy (MeV)

70-Yb-171

MAT 7034 MT= 56 (n,n') Level Legendre Coefficients 70-Yb-171



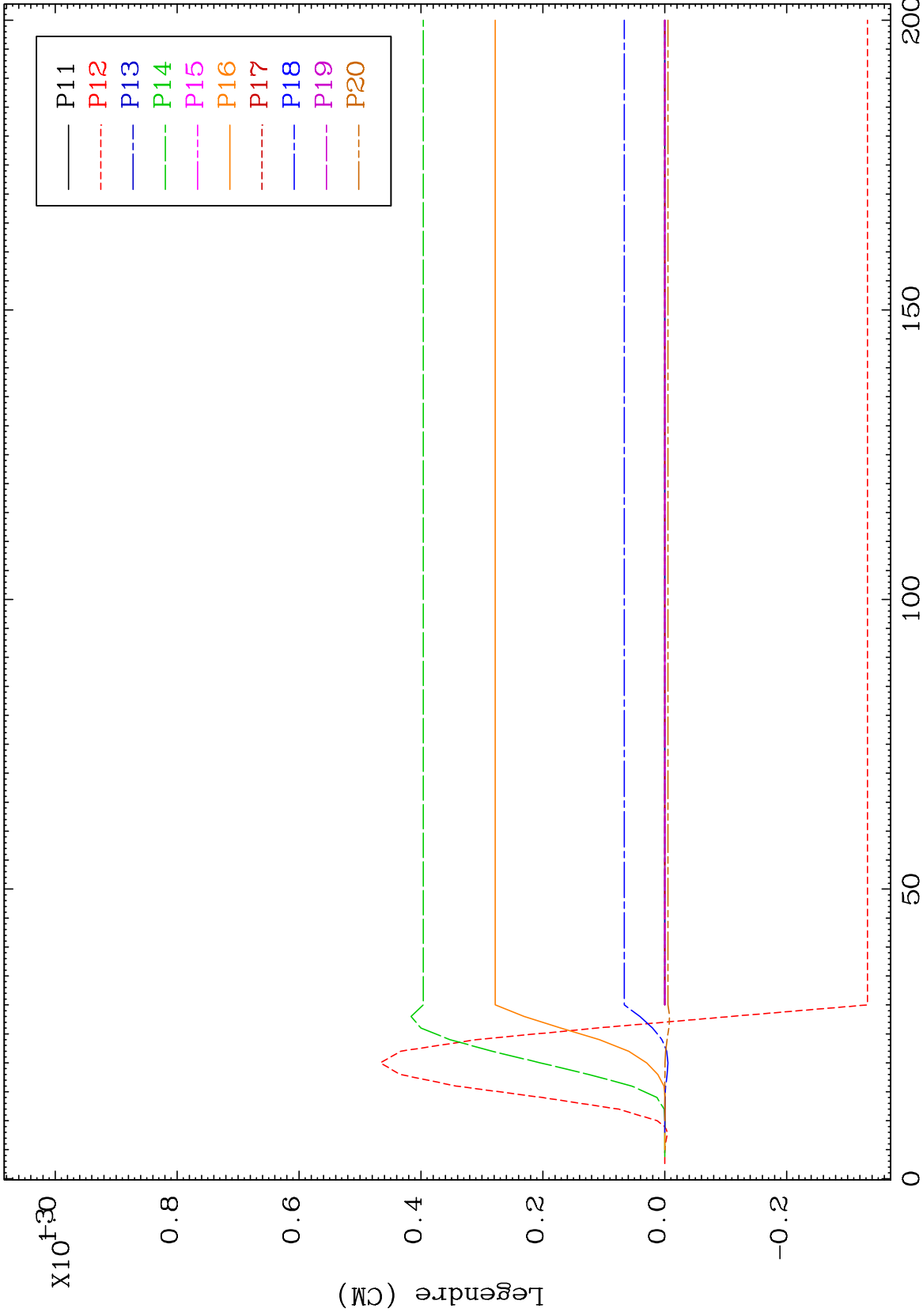




MAT 7034

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

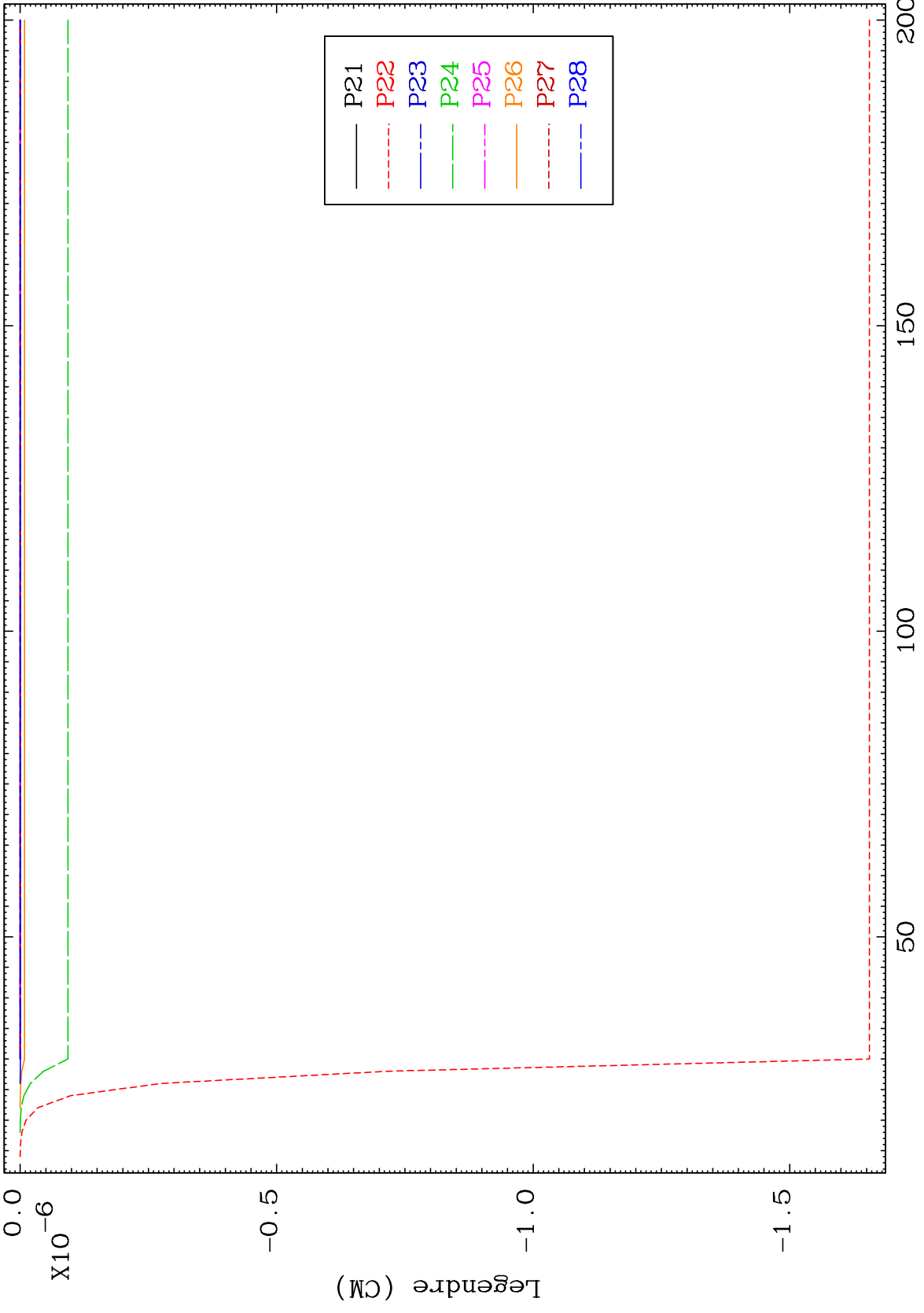
70-Yb-171



41

70-Yb-171

MAT 7034 MT= 57 (n,n') Level Legendre Coefficients 70-Yb-171

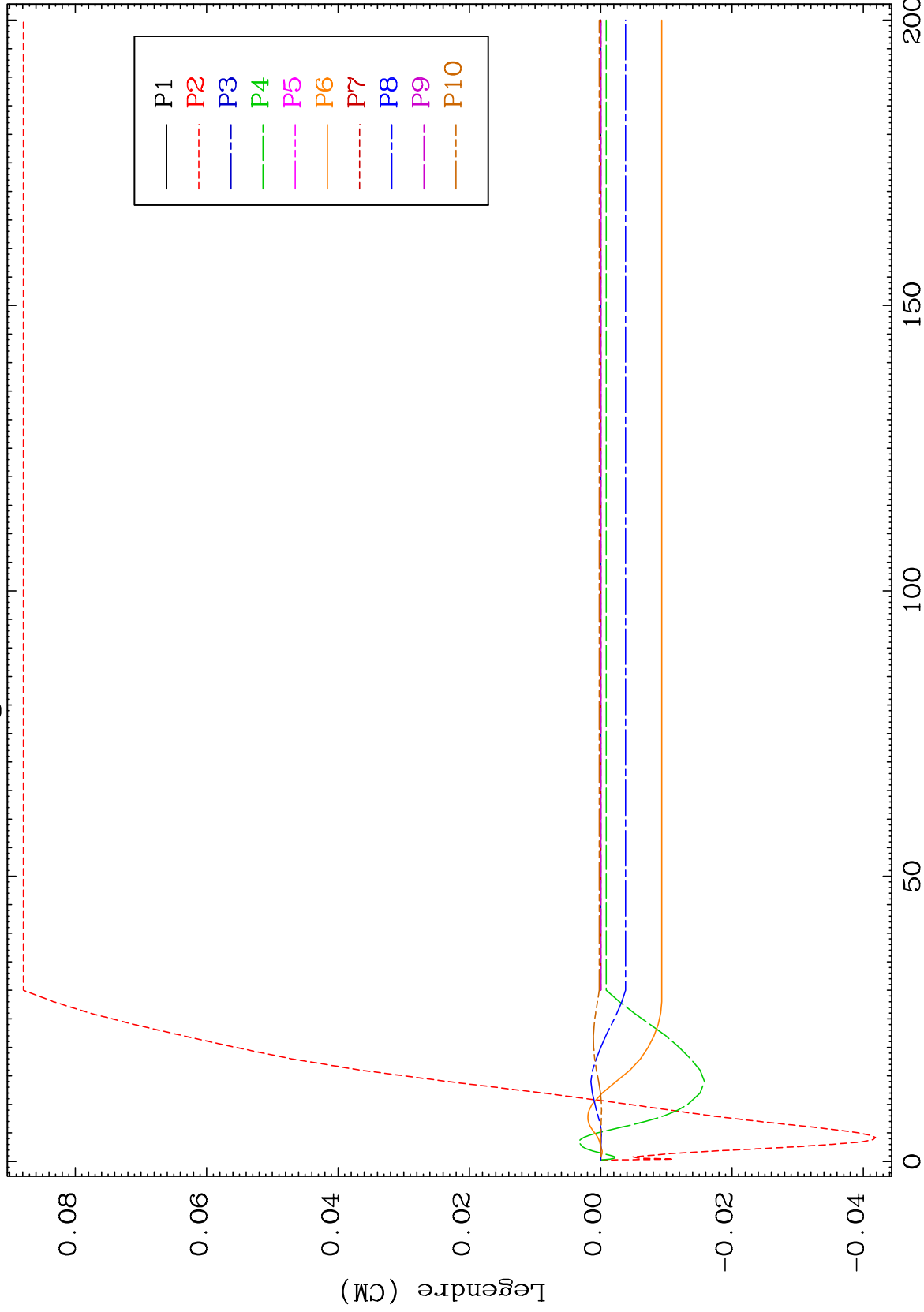


42 70-Yb-171

MAT 7034

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

70-Yb-171



43

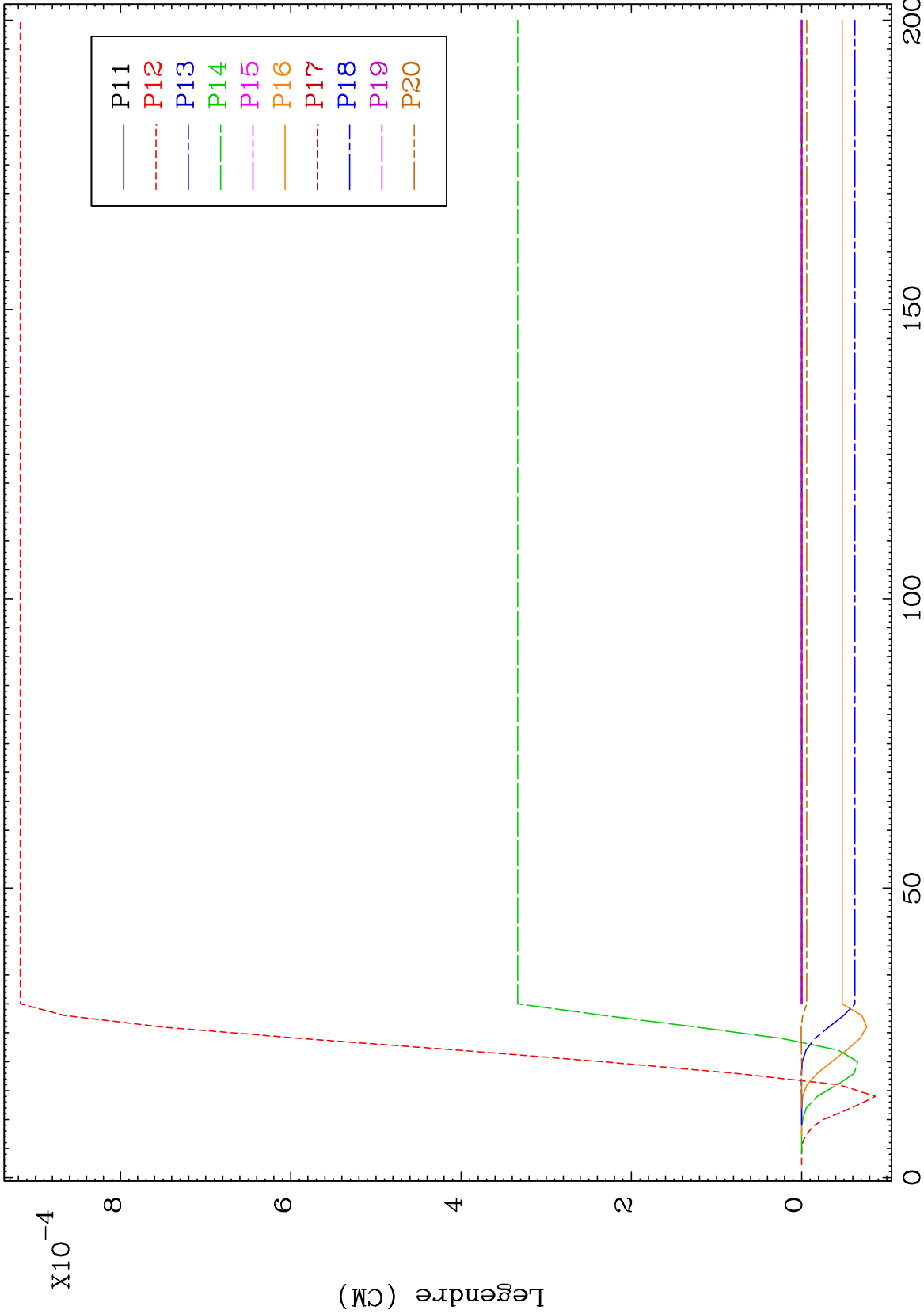
Incident Energy (MeV)

70-Yb-171

MAT 7034

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

70-Yb-171

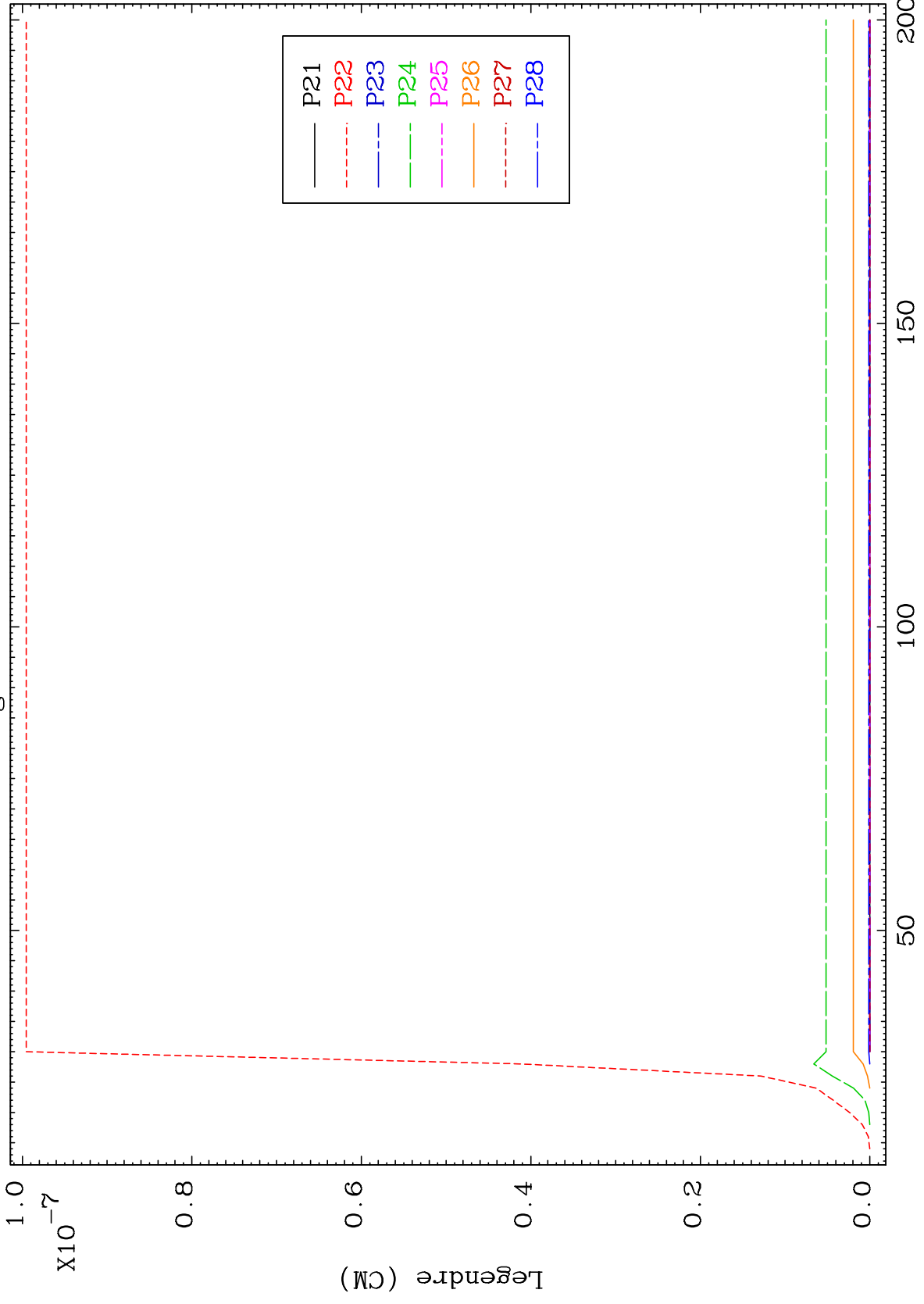


44

Incident Energy (MeV)

70-Yb-171

MAT 7034 MT= 58 (n,n') Level Legendre Coefficients 70-Yb-171

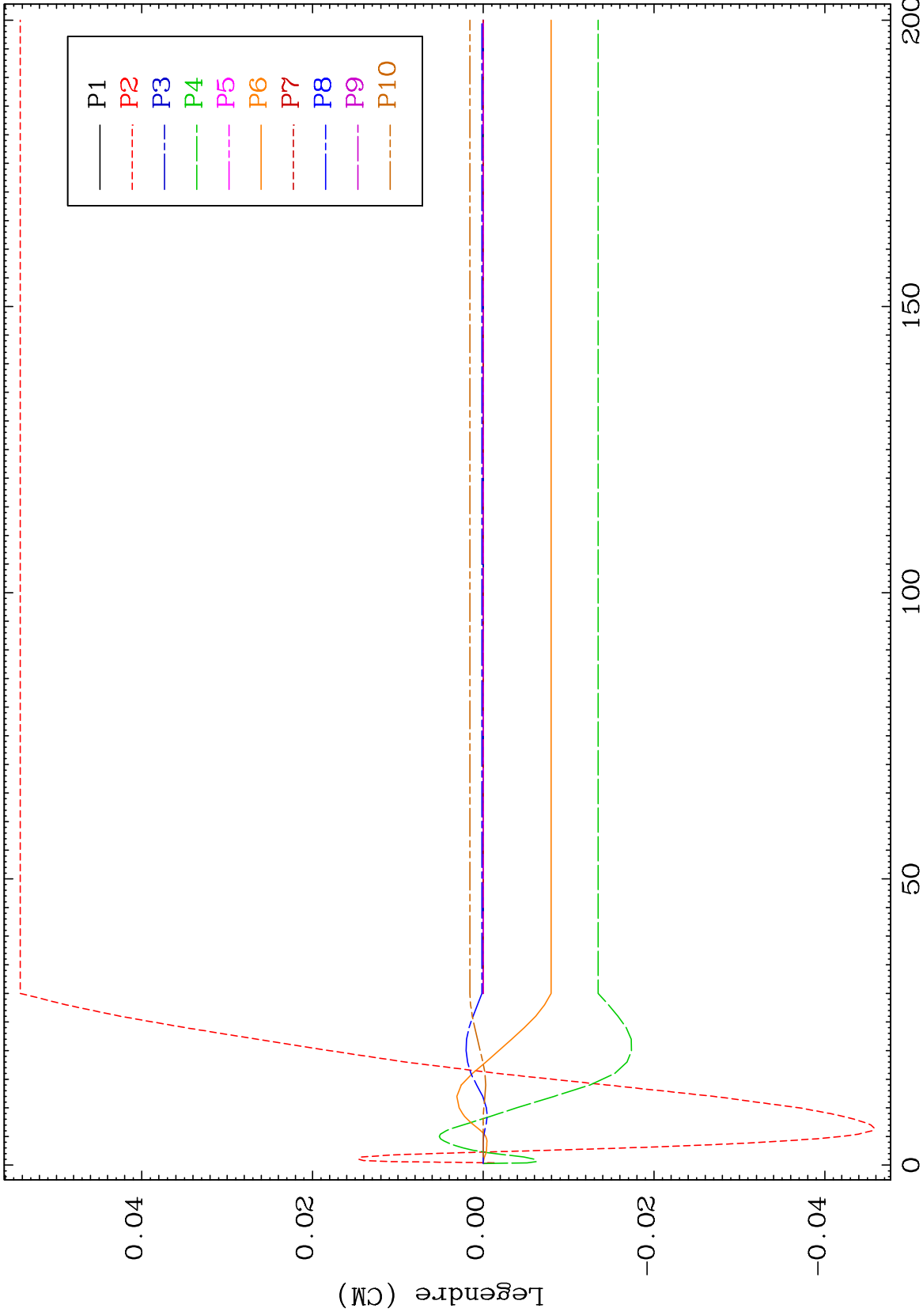


45 50 100 150 200 Incident Energy (MeV) 70-Yb-171

MAT 7034

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

70-Yb-171



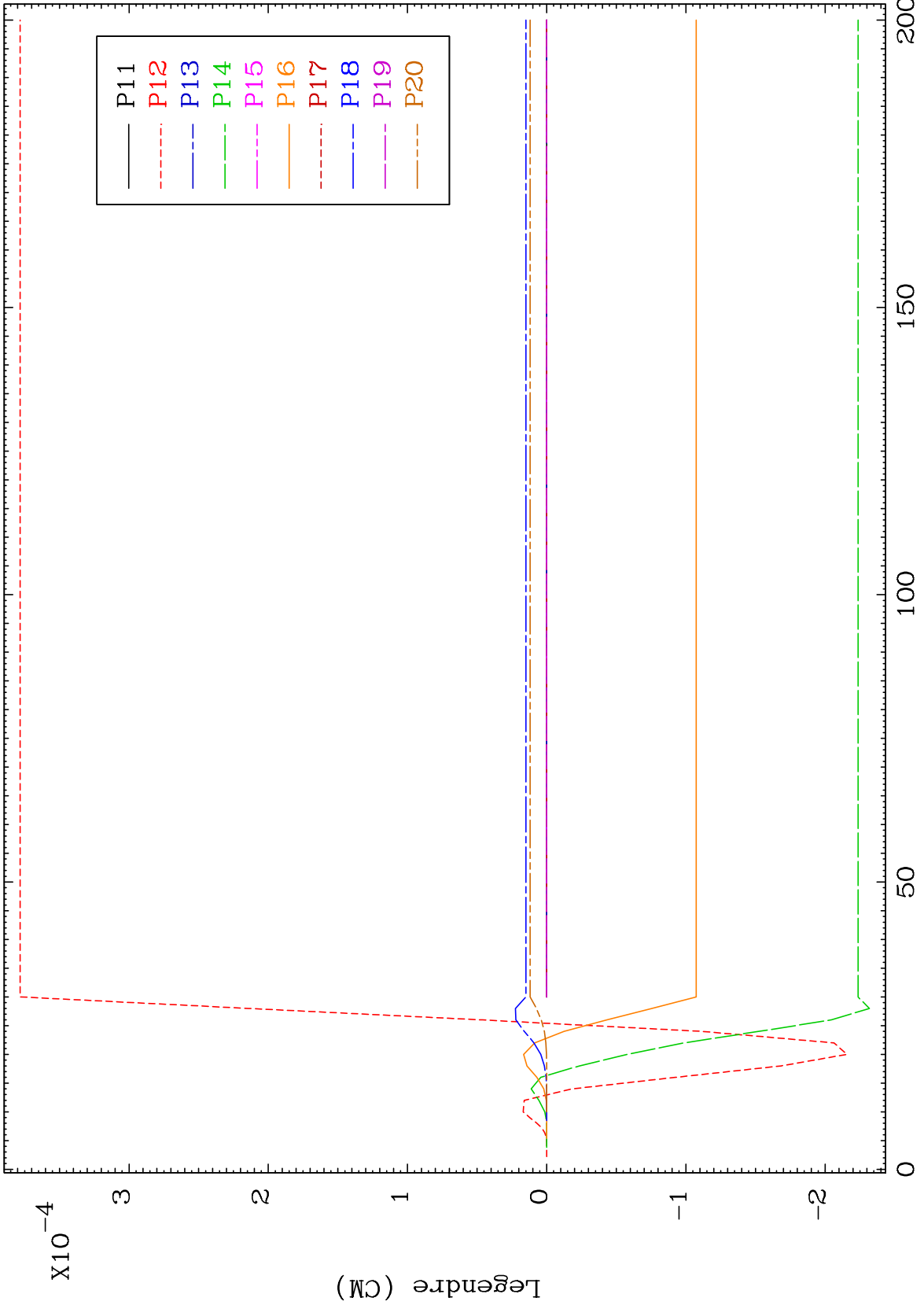
46

70-Yb-171

MAT 7034

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

70-Yb-171



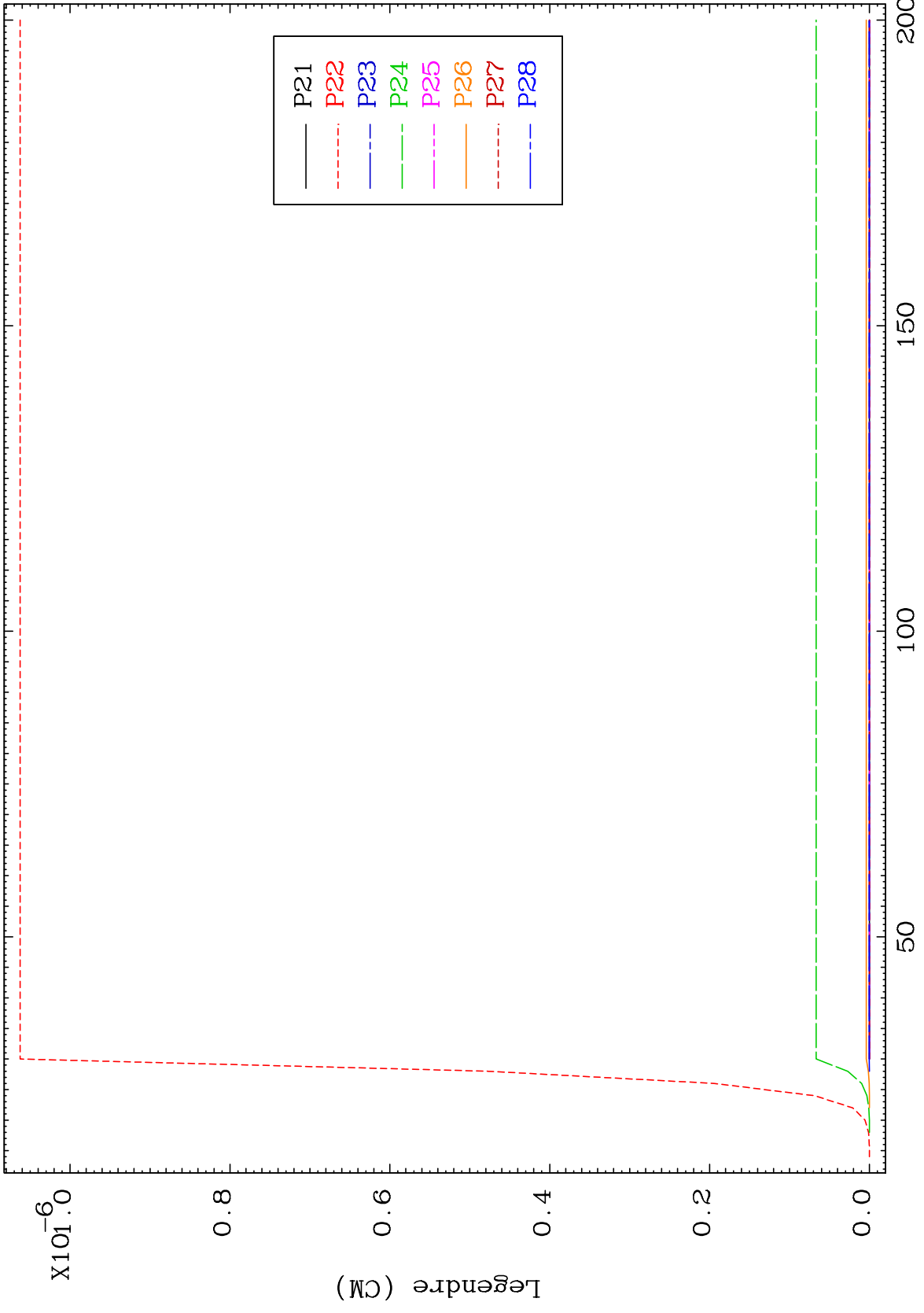
47

Incident Energy (MeV)

70-Yb-171



MAT 7034 MT= 59 (n,n') Level Legendre Coefficients 70-Yb-171

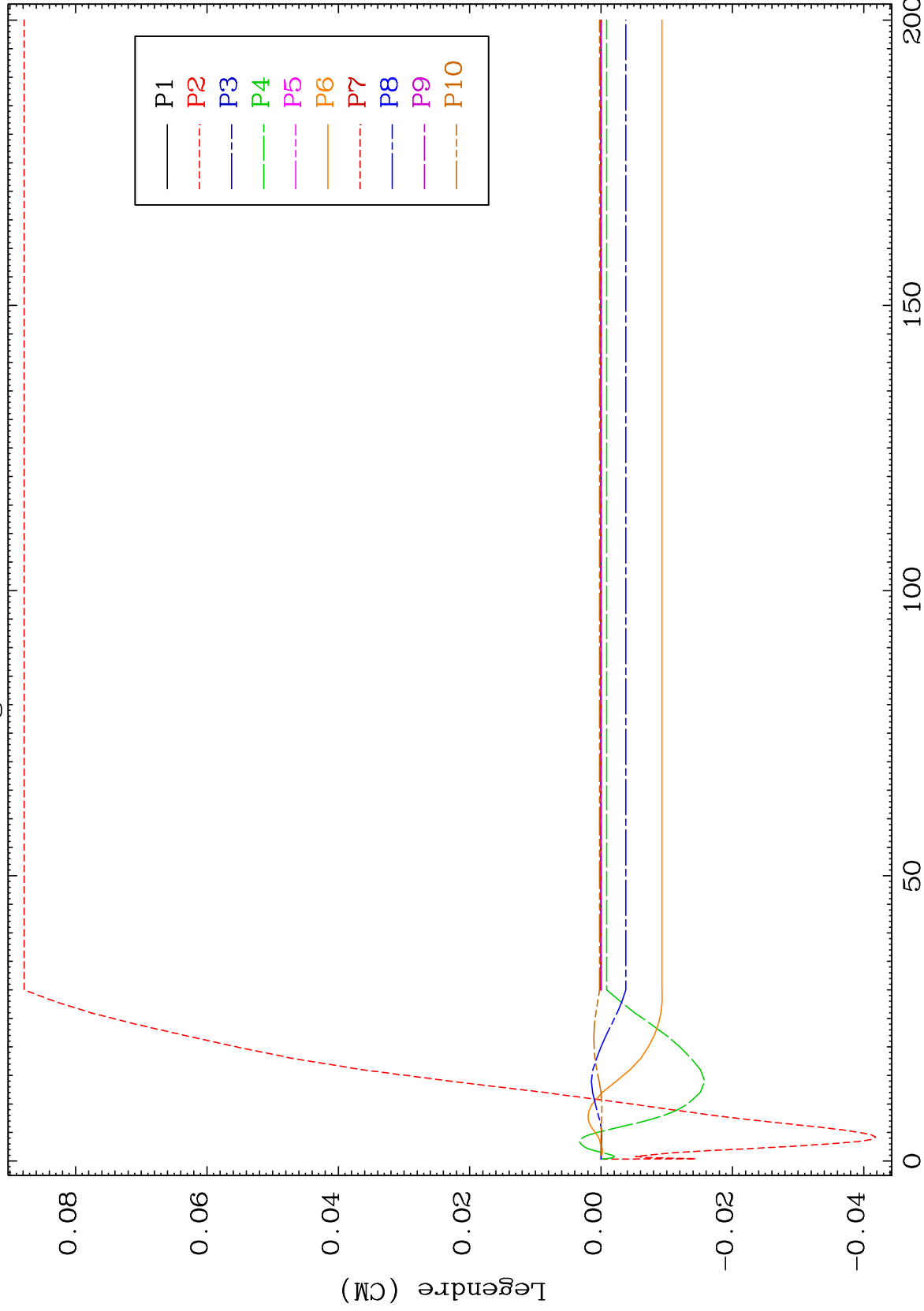


48 50 100 150 200 70-Yb-171

MAT 7034

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

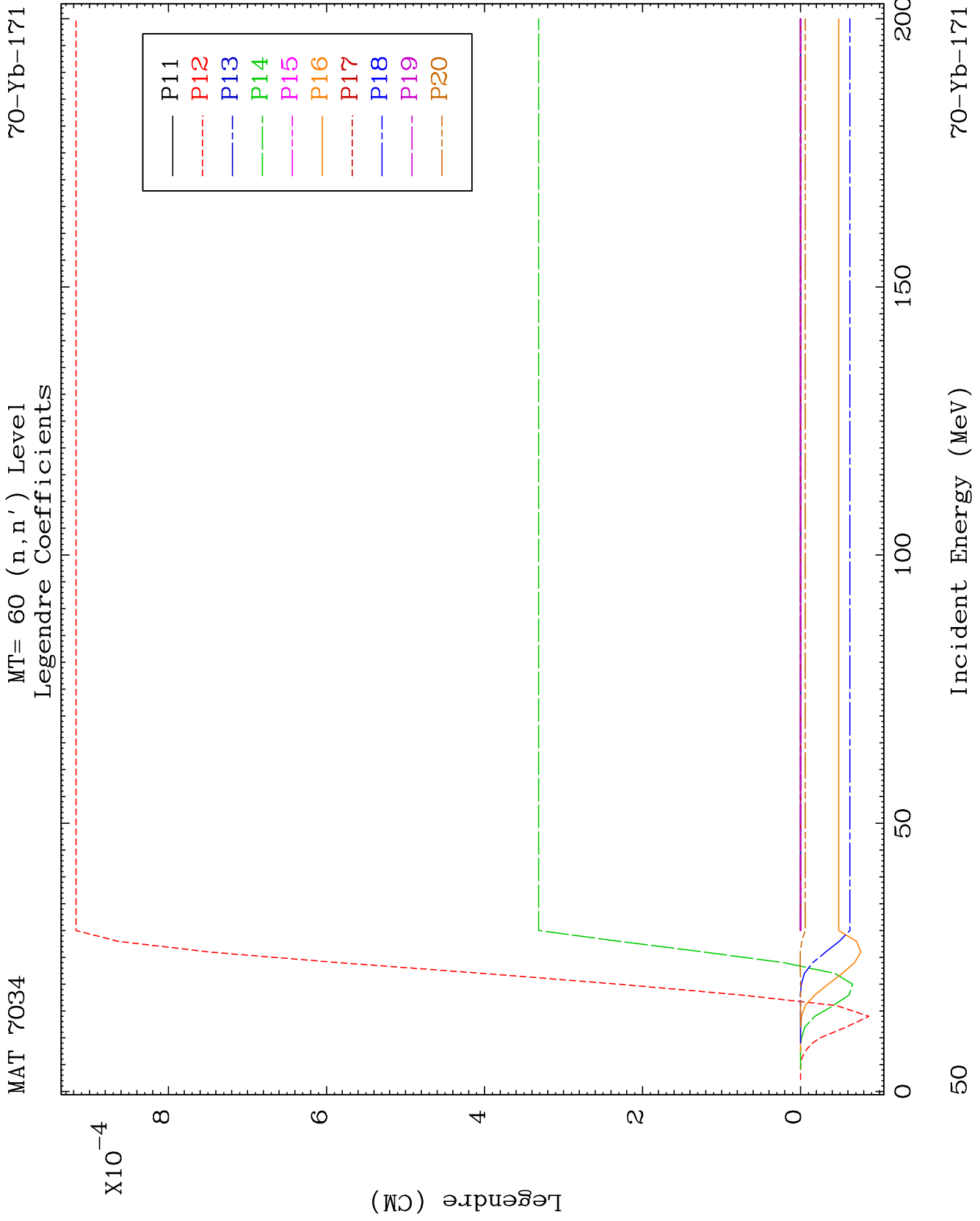
70-Yb-171



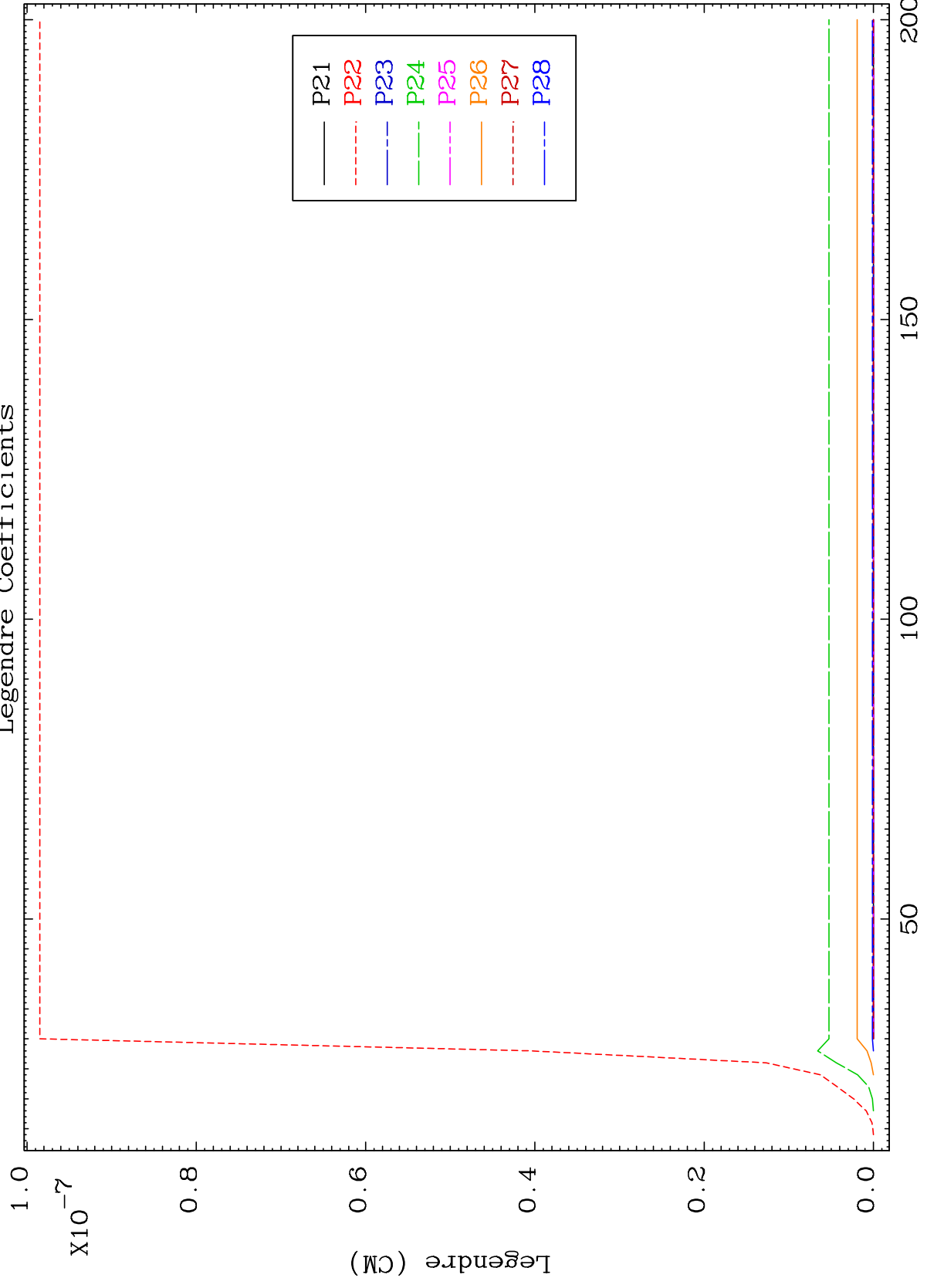
49

Incident Energy (MeV)

70-Yb-171



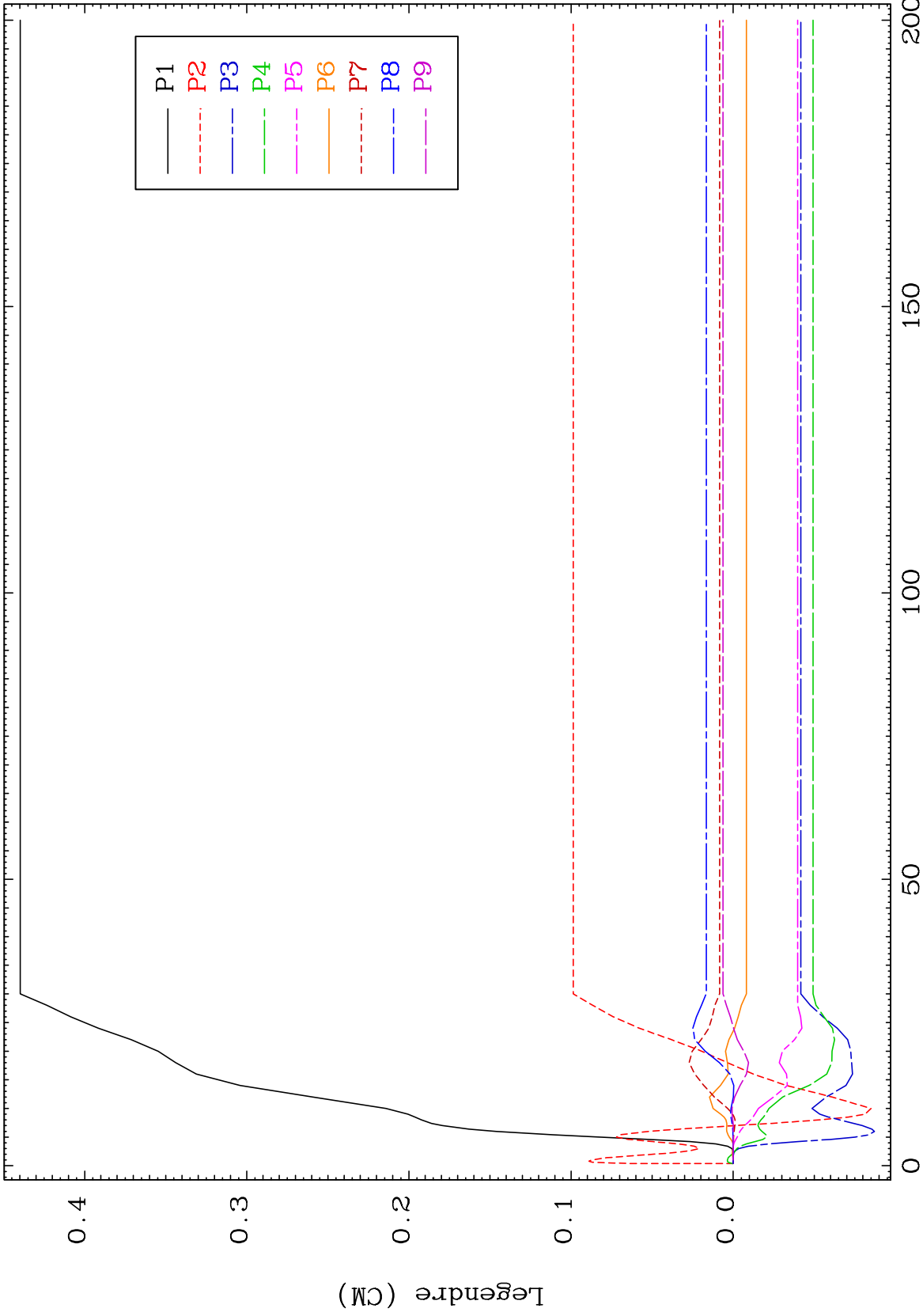
MAT 7034 MT= 60 (n,n') Level Legendre Coefficients 70-Yb-171



MAT 7034

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

70-Yb-171



52

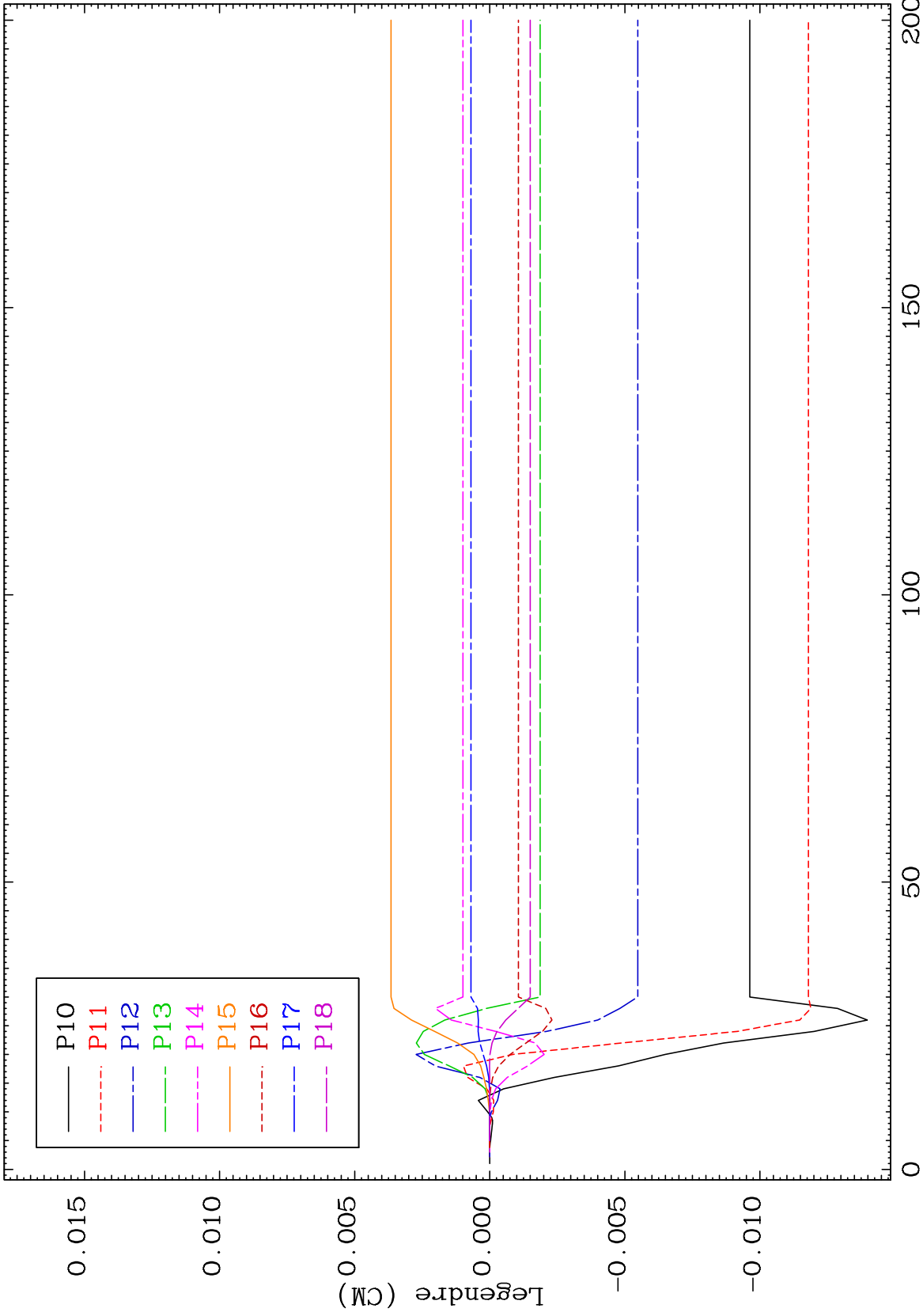
Incident Energy (MeV)

70-Yb-171

MAT 7034

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

70-Yb-171



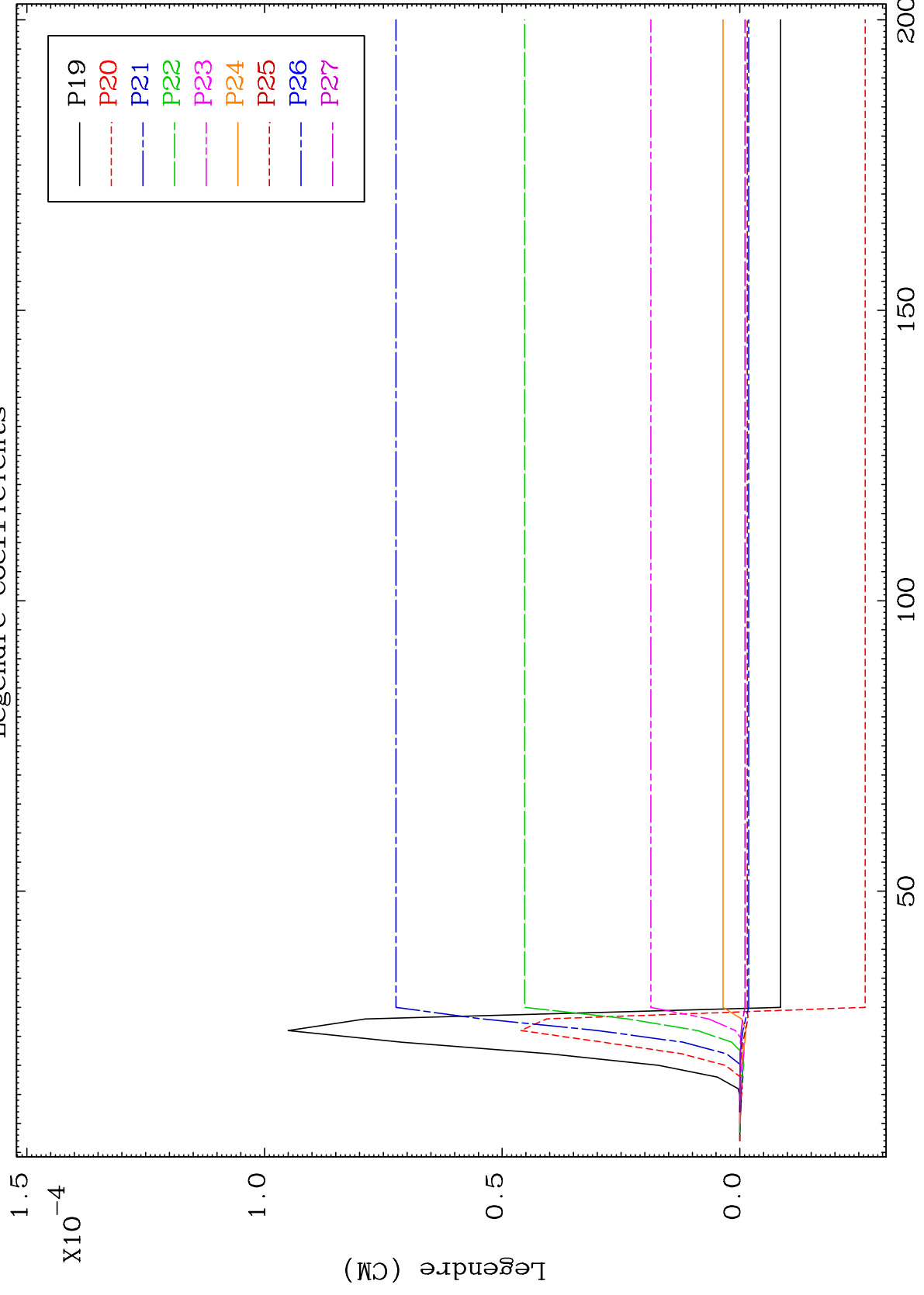
53

70-Yb-171

MAT 7034

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

70-Yb-171

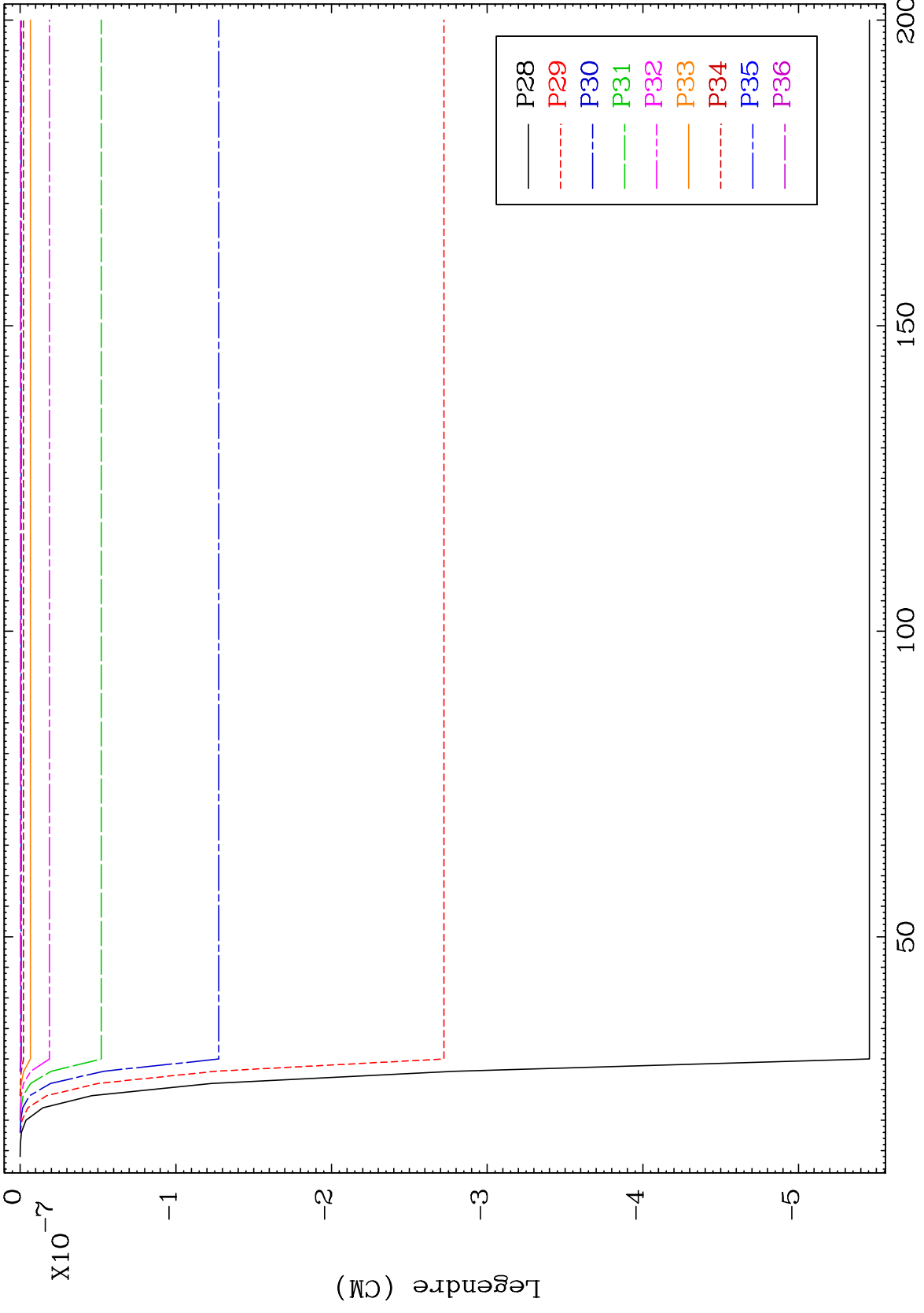


54

Incident Energy (MeV)

70-Yb-171

MAT 7034 MT= 61 (n,n') Level Legendre Coefficients 70-Yb-171



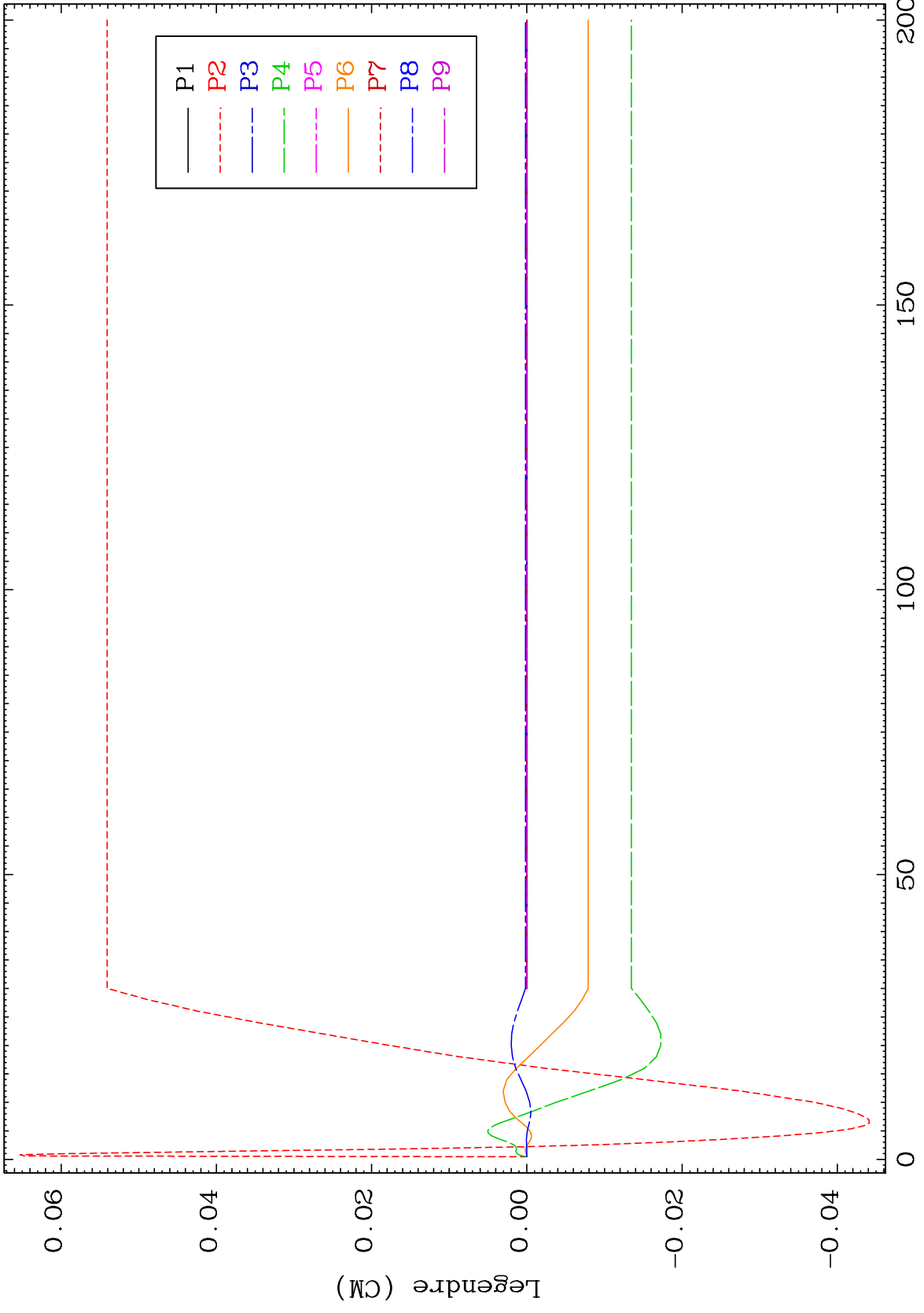
55 Incident Energy (MeV) 70-Yb-171



MAT 7034

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

70-Yb-171



56

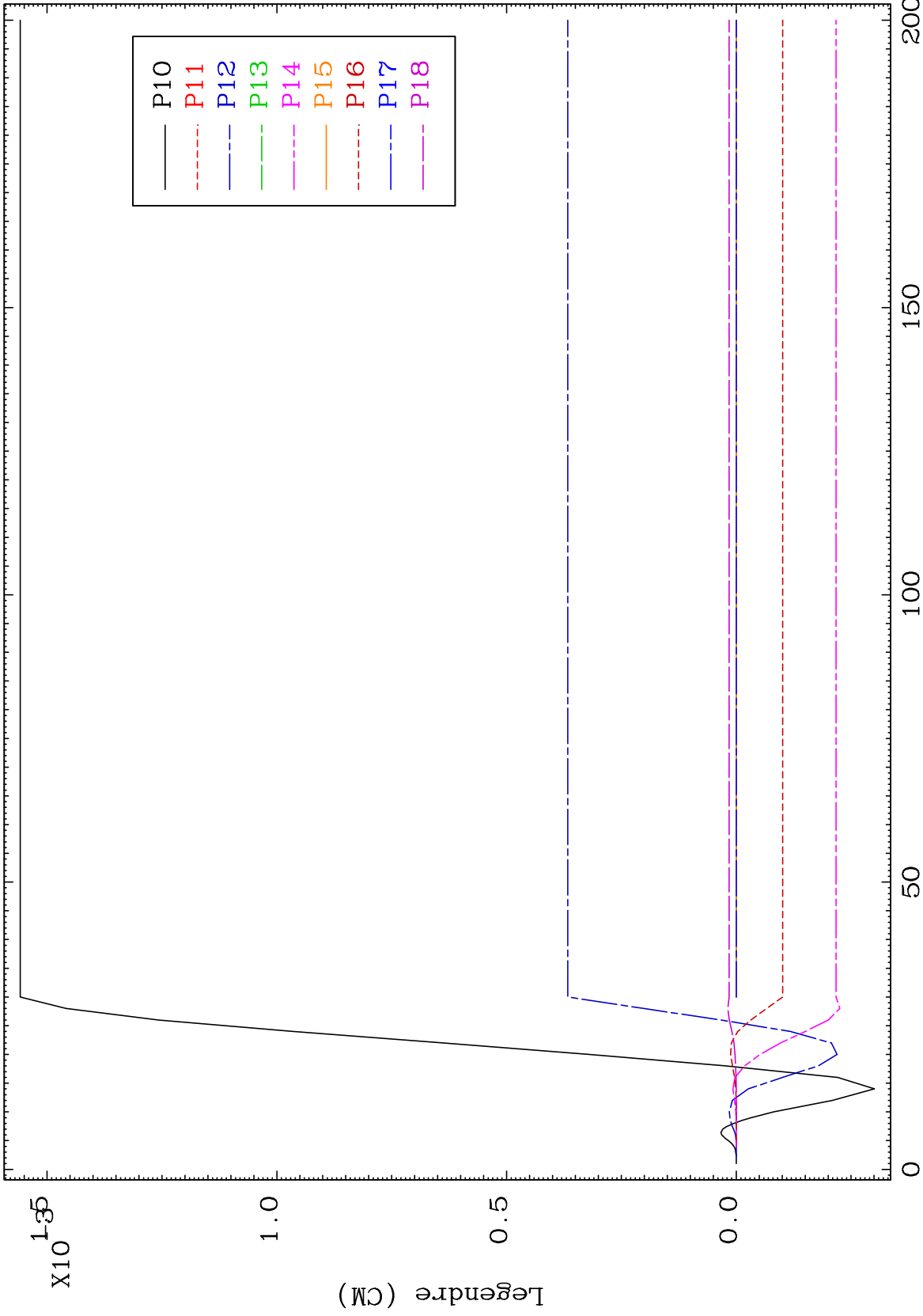
Incident Energy (MeV)

70-Yb-171

MAT 7034

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

70-Yb-171

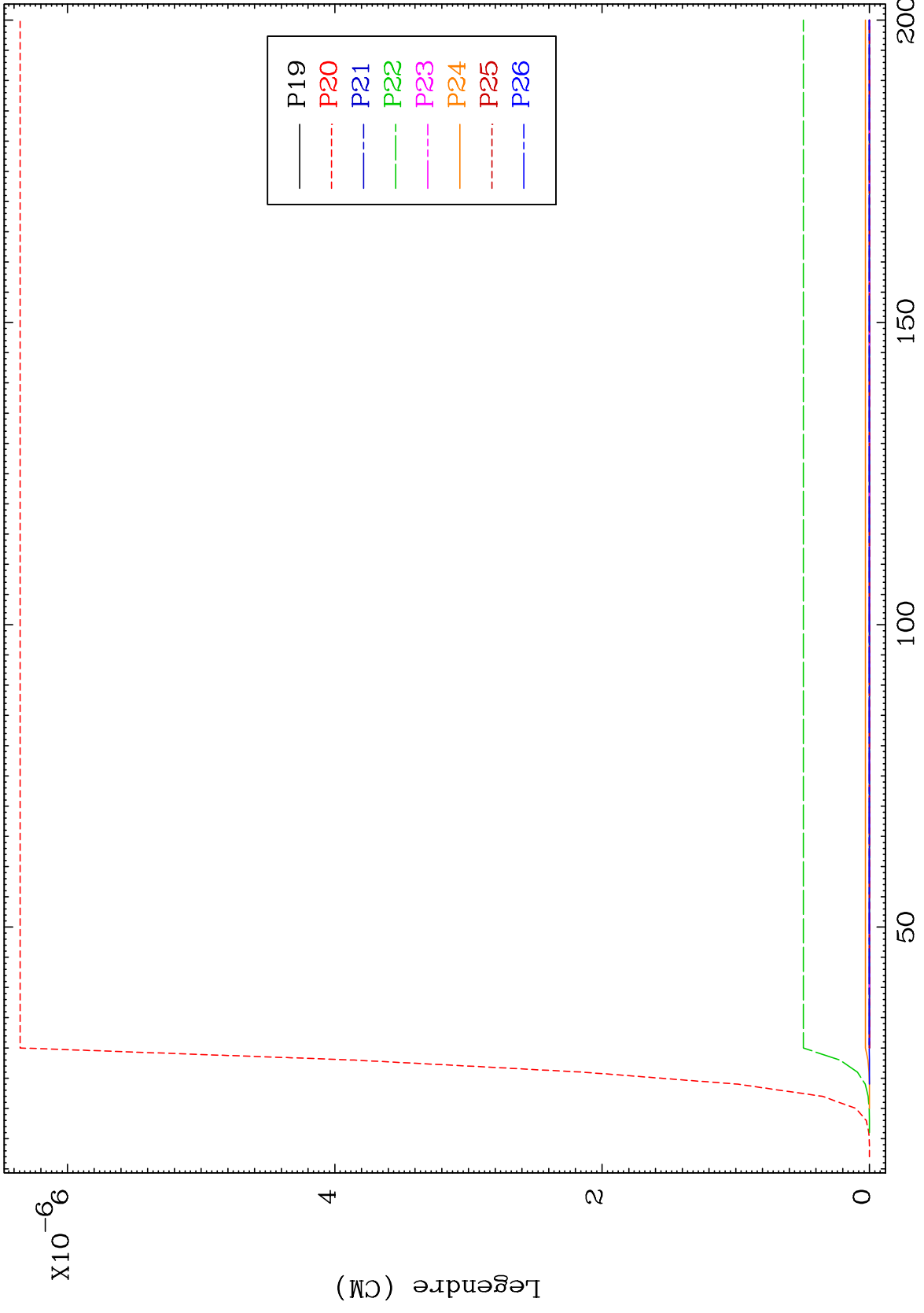


57

Incident Energy (MeV)

70-Yb-171

MAT 7034 MT= 62 (n,n') Level Legendre Coefficients 70-Yb-171

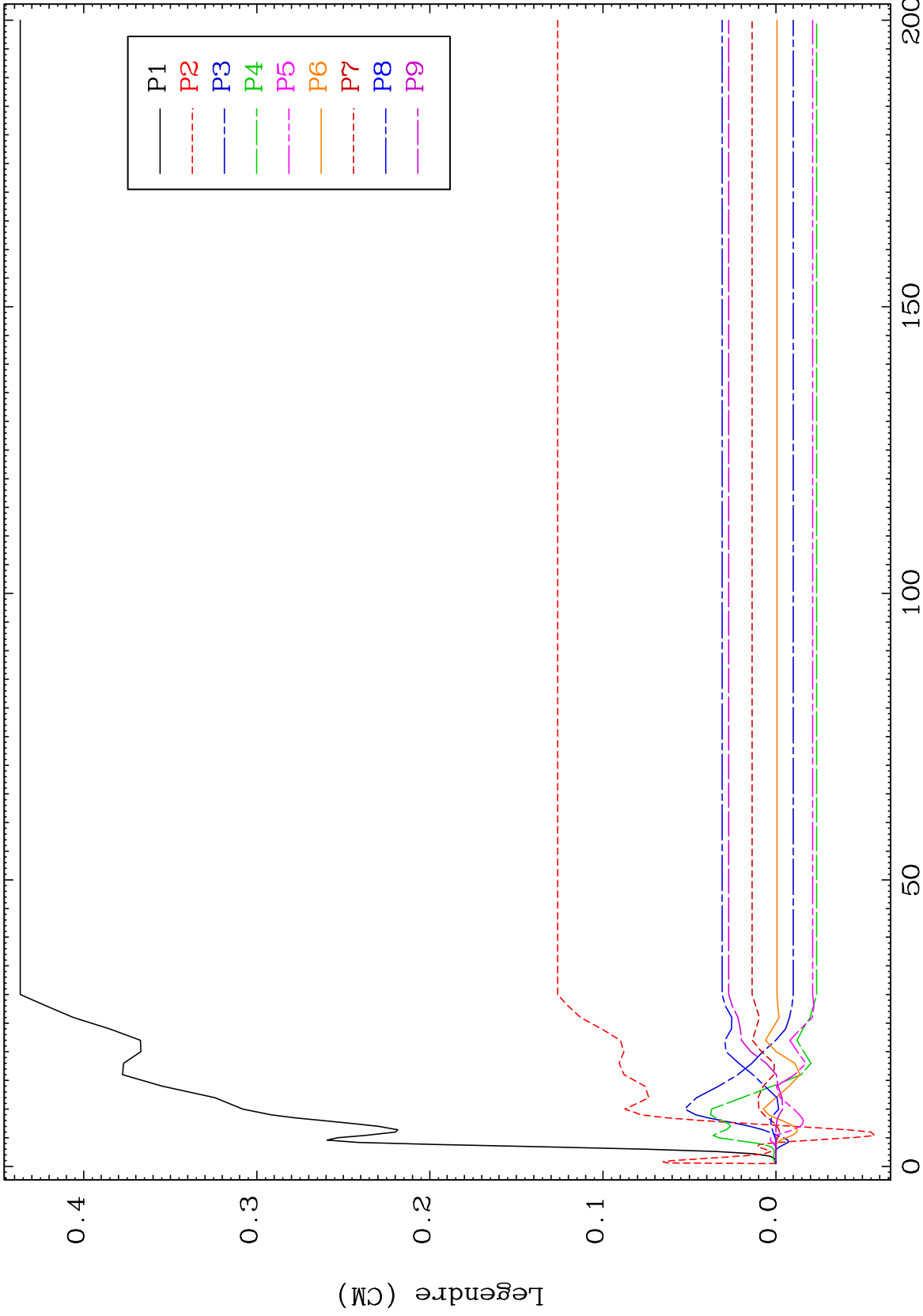


58 Incident Energy (MeV) 70-Yb-171

MAT 7034

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

70-Yb-171



59

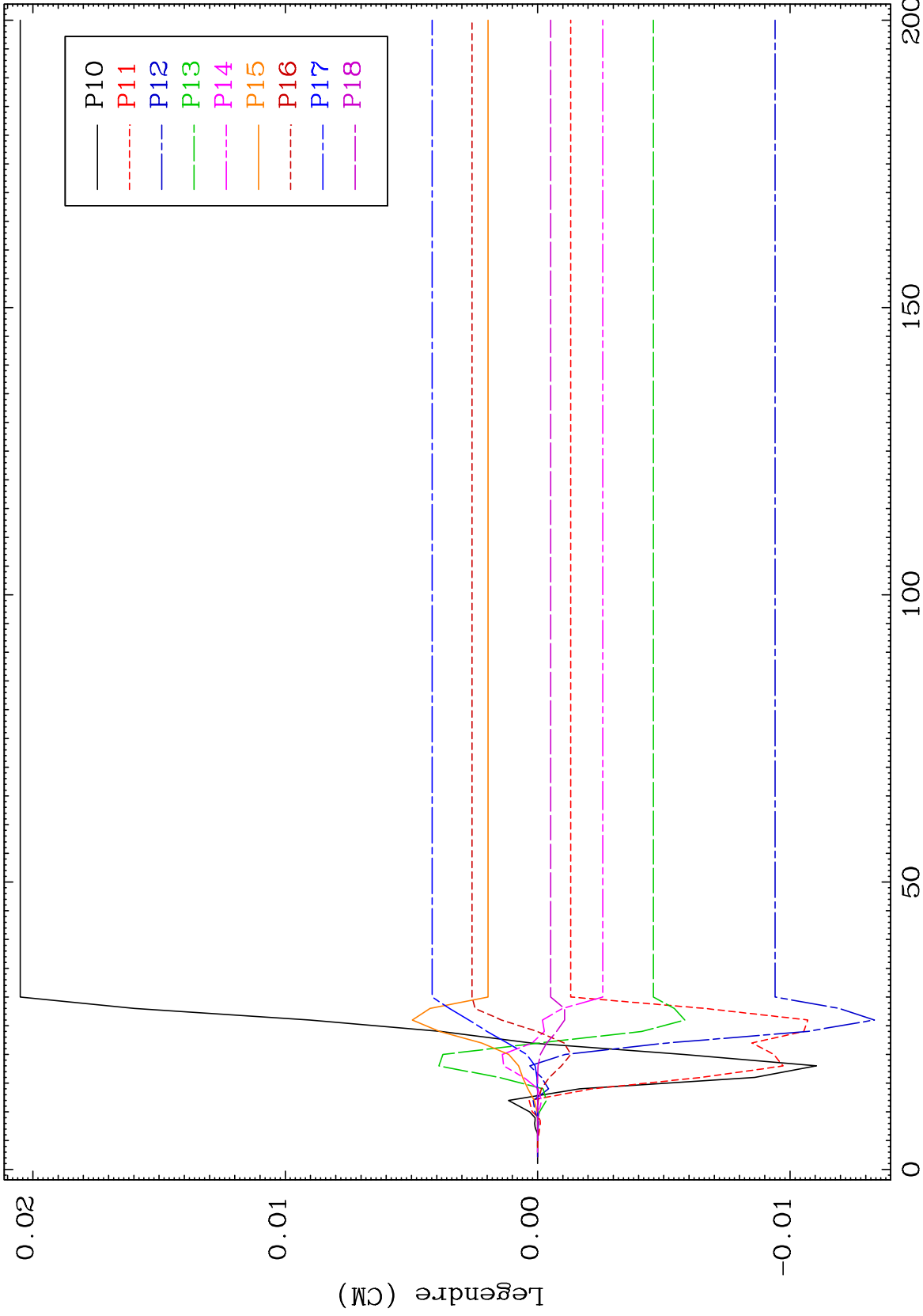
Incident Energy (MeV)

70-Yb-171

MAT 7034

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

70-Yb-171



60

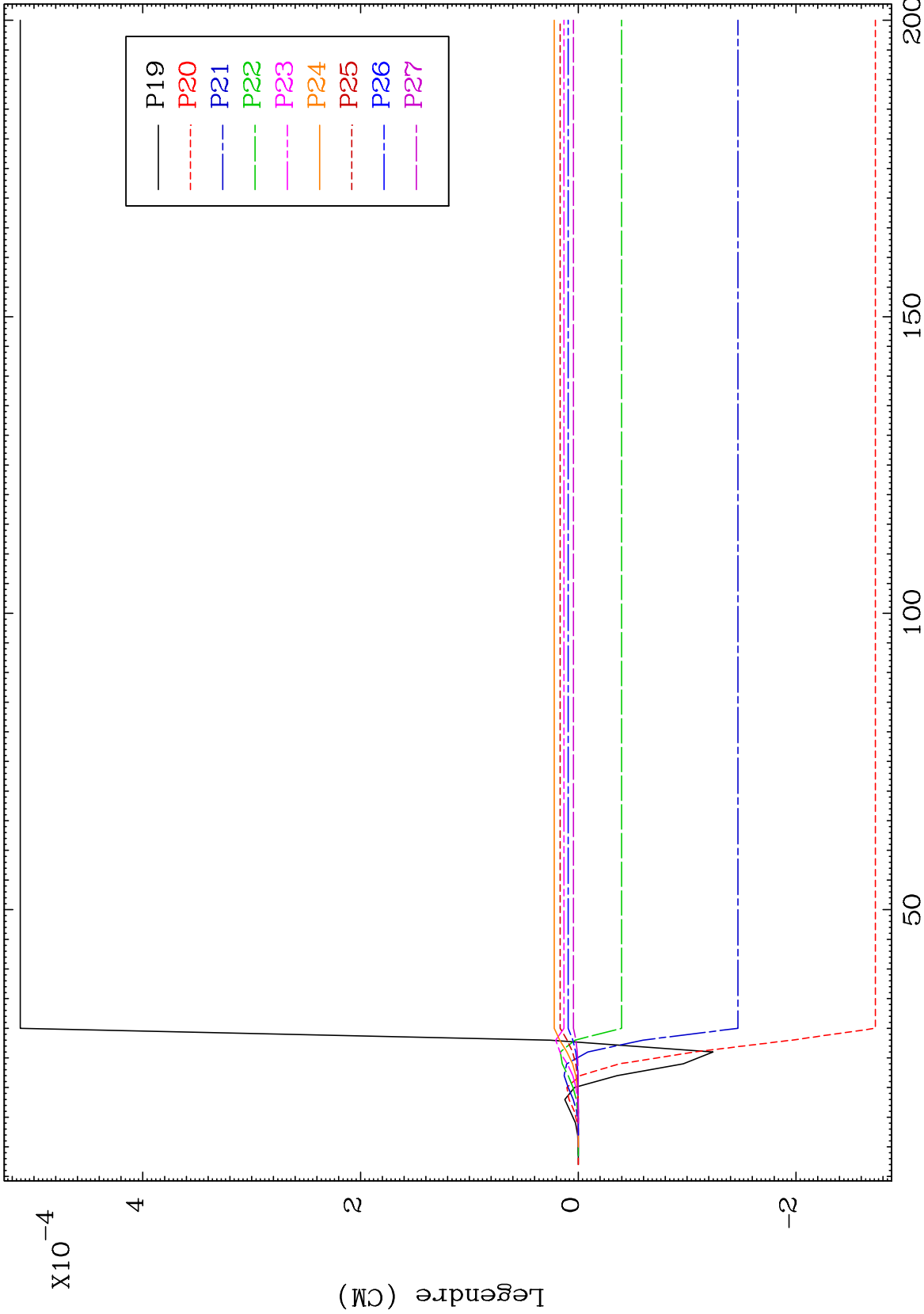
Incident Energy (MeV)

70-Yb-171

MAT 7034

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

70-Yb-171



61

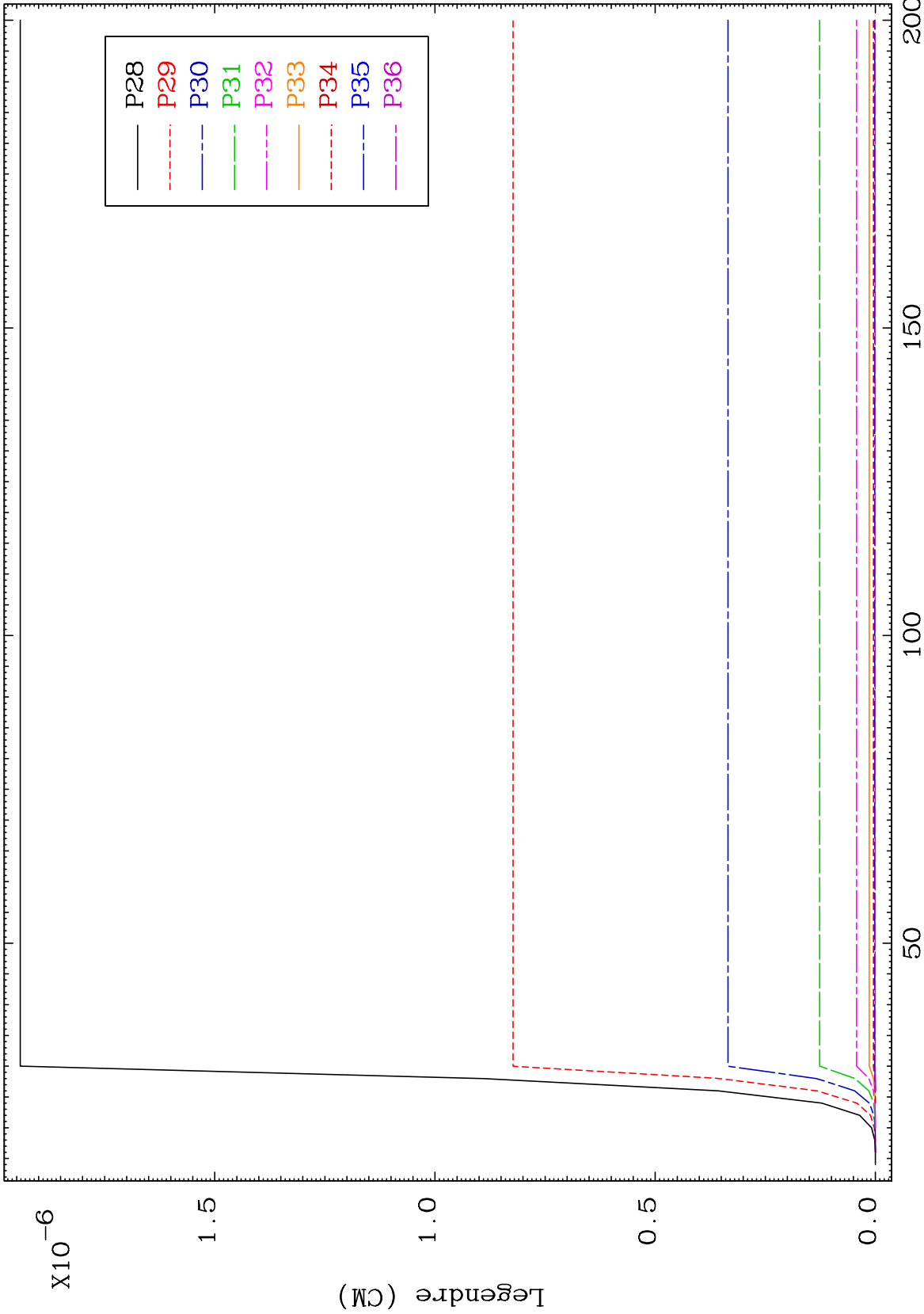
Incident Energy (MeV)

70-Yb-171

MAT 7034

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

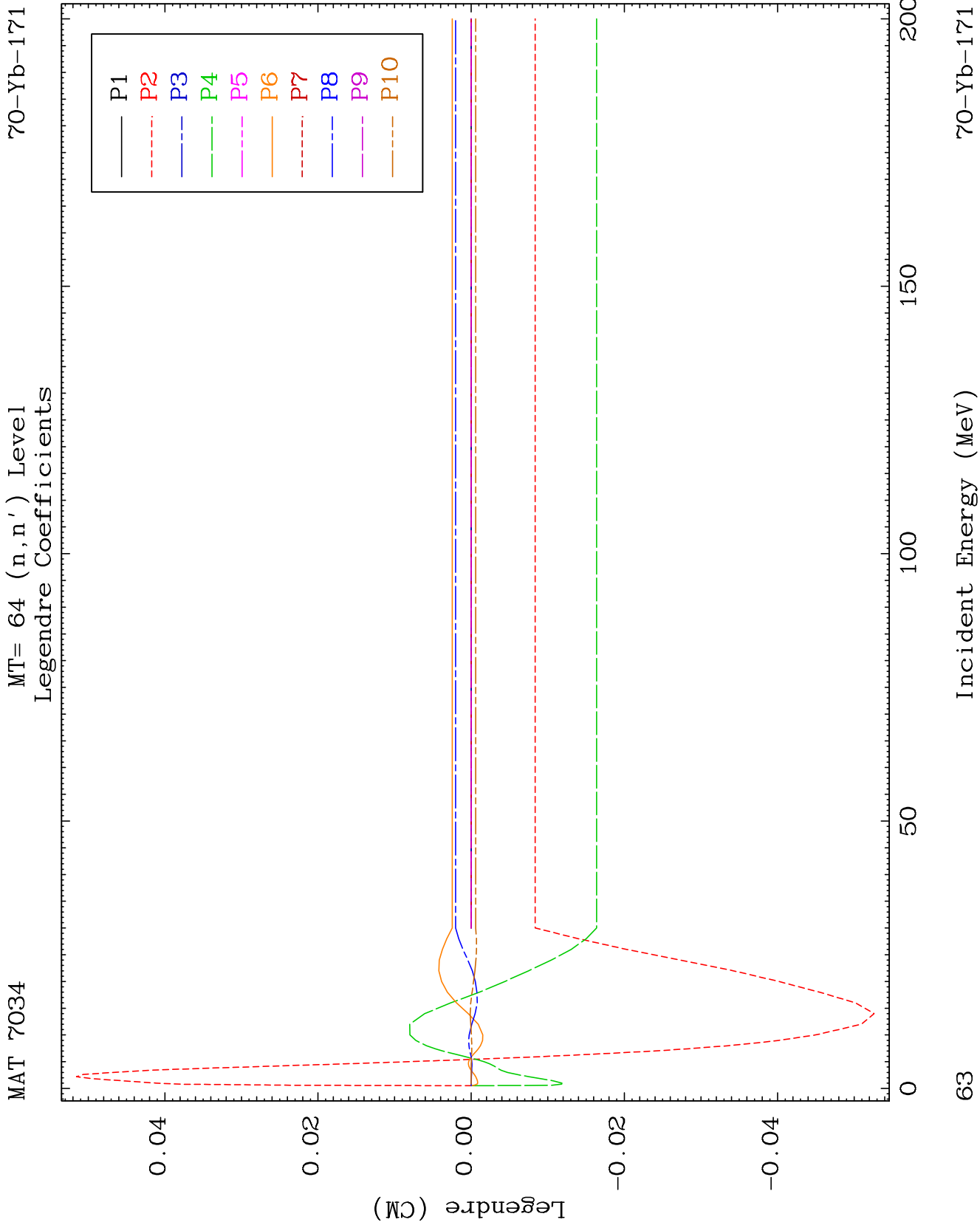
70-Yb-171



62

Incident Energy (MeV)

70-Yb-171

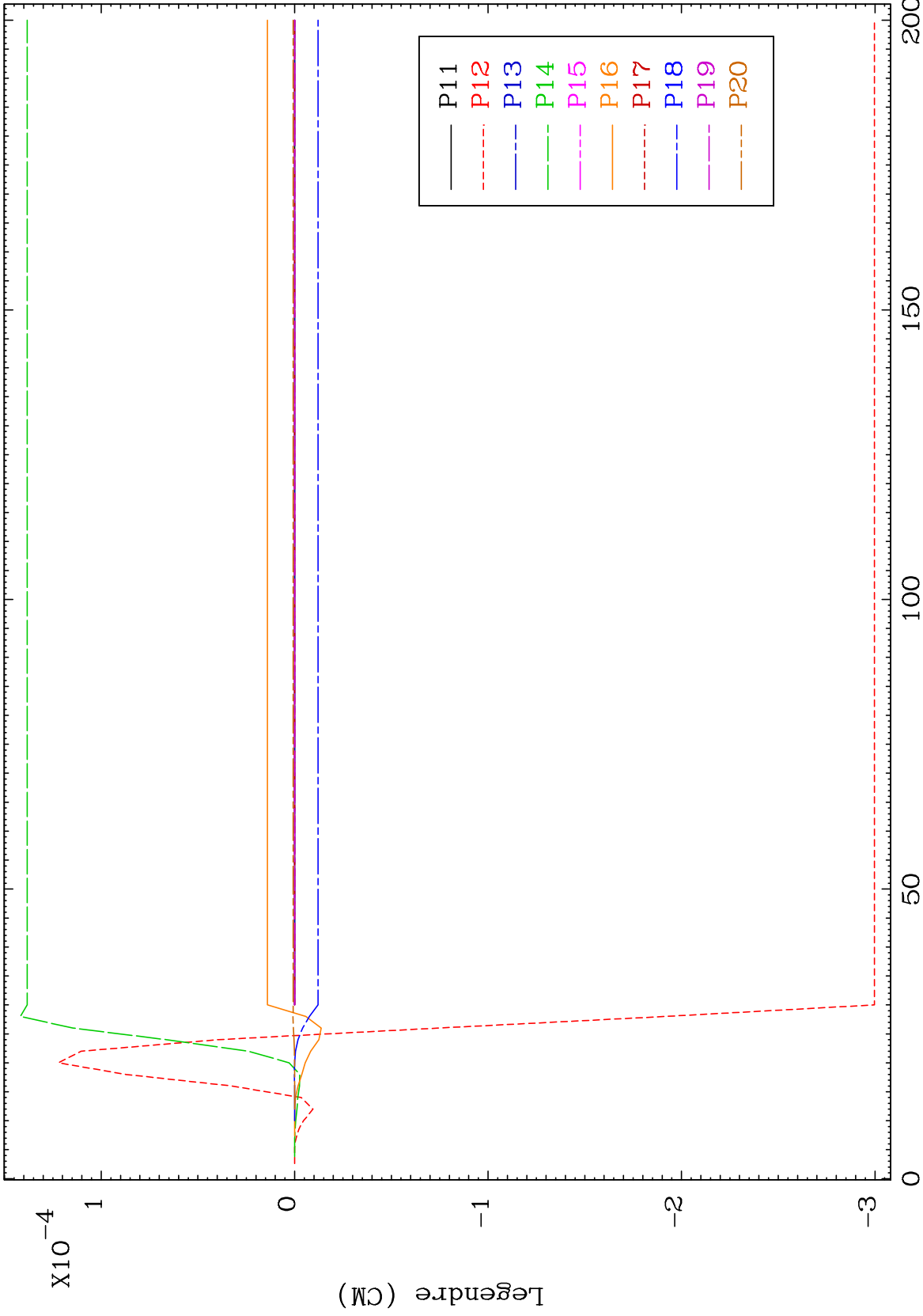




MAT 7034

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

70-Yb-171

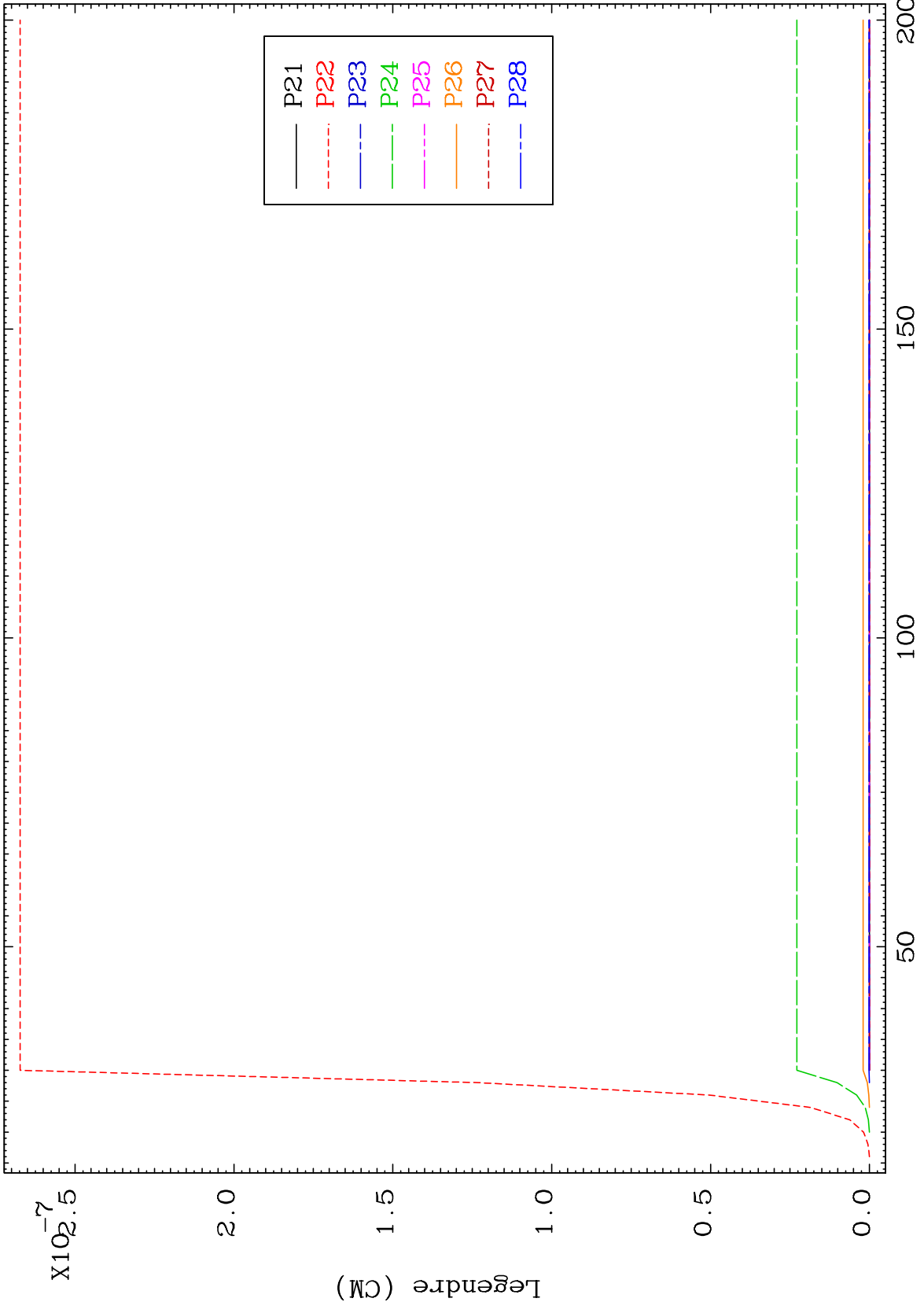


64

Incident Energy (MeV)

70-Yb-171

MAT 7034 MT= 64 (n,n') Level Legendre Coefficients 70-Yb-171

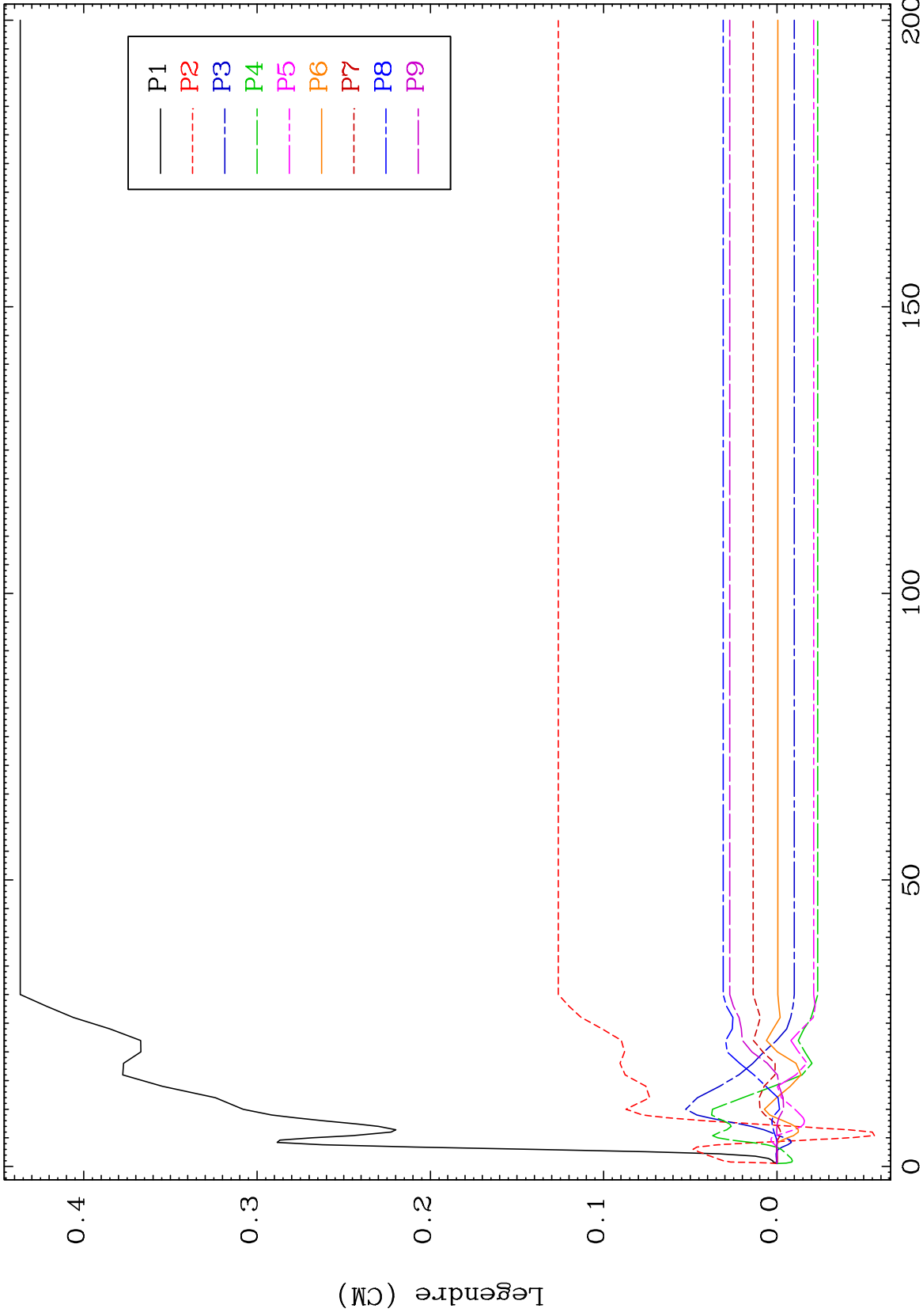


65 50 100 150 200 70-Yb-171

MAT 7034

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

70-Yb-171



66

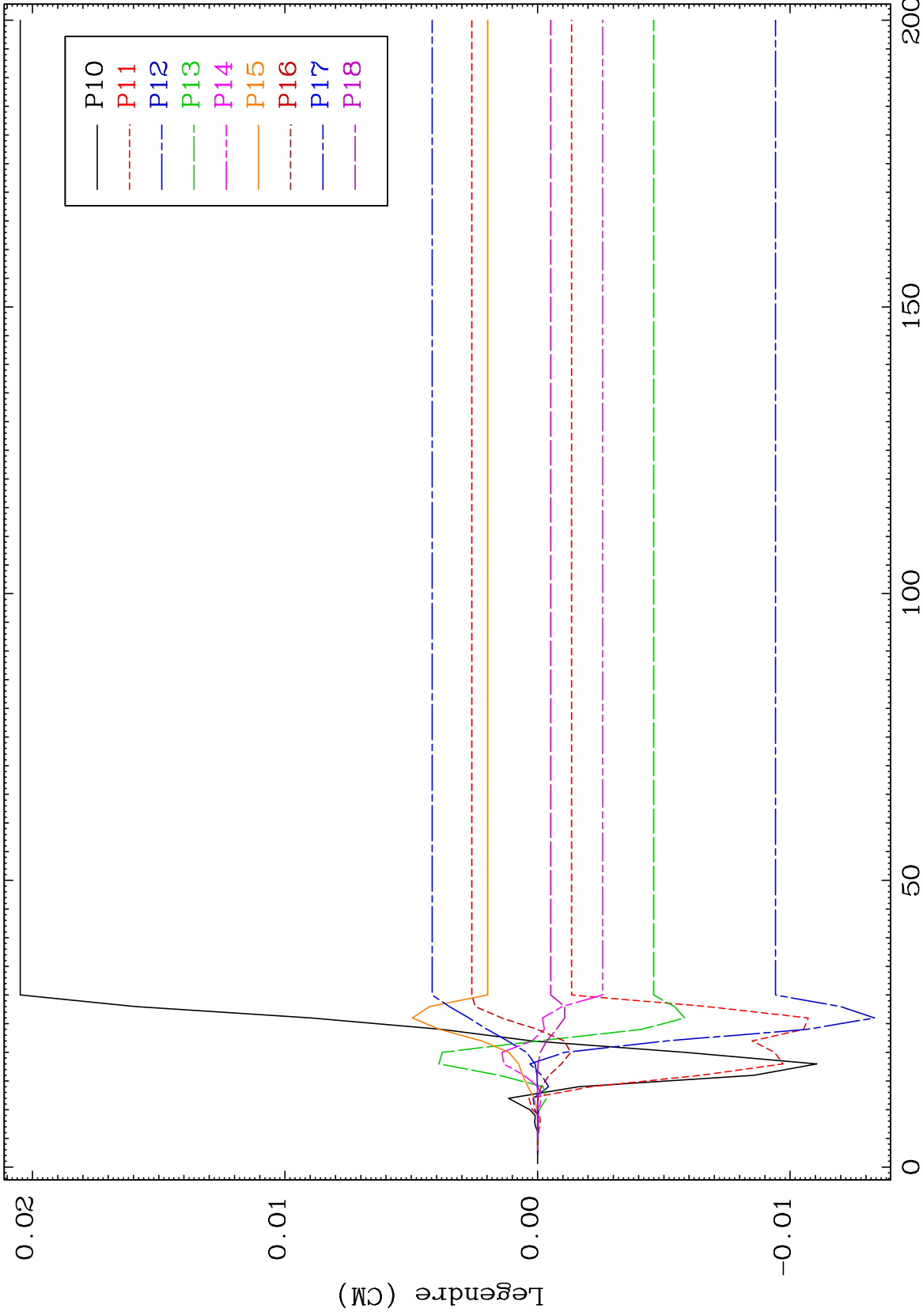
Incident Energy (MeV)

70-Yb-171

MAT 7034

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

70-Yb-171



67

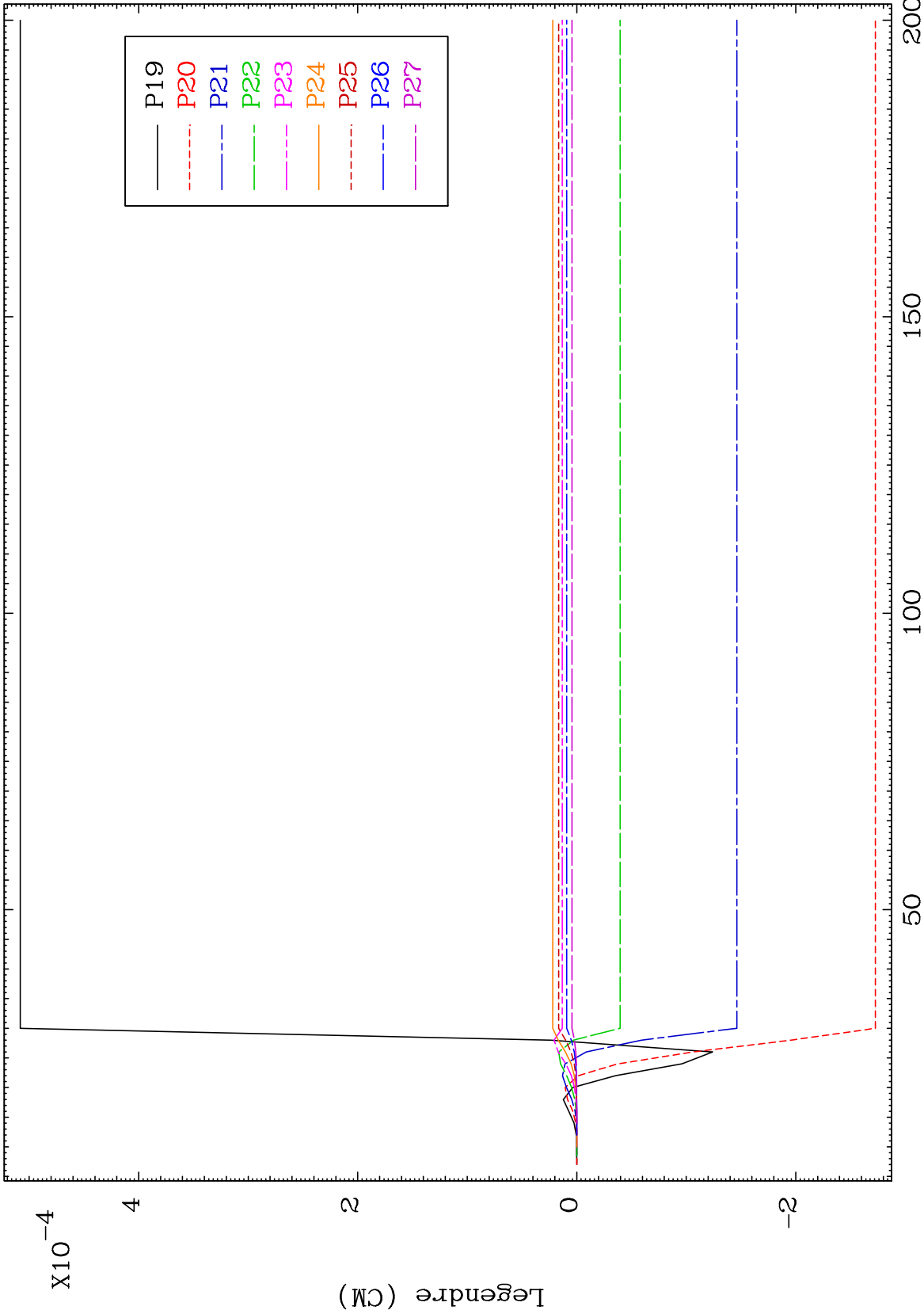
Incident Energy (MeV)

70-Yb-171

MAT 7034

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

70-Yb-171



68

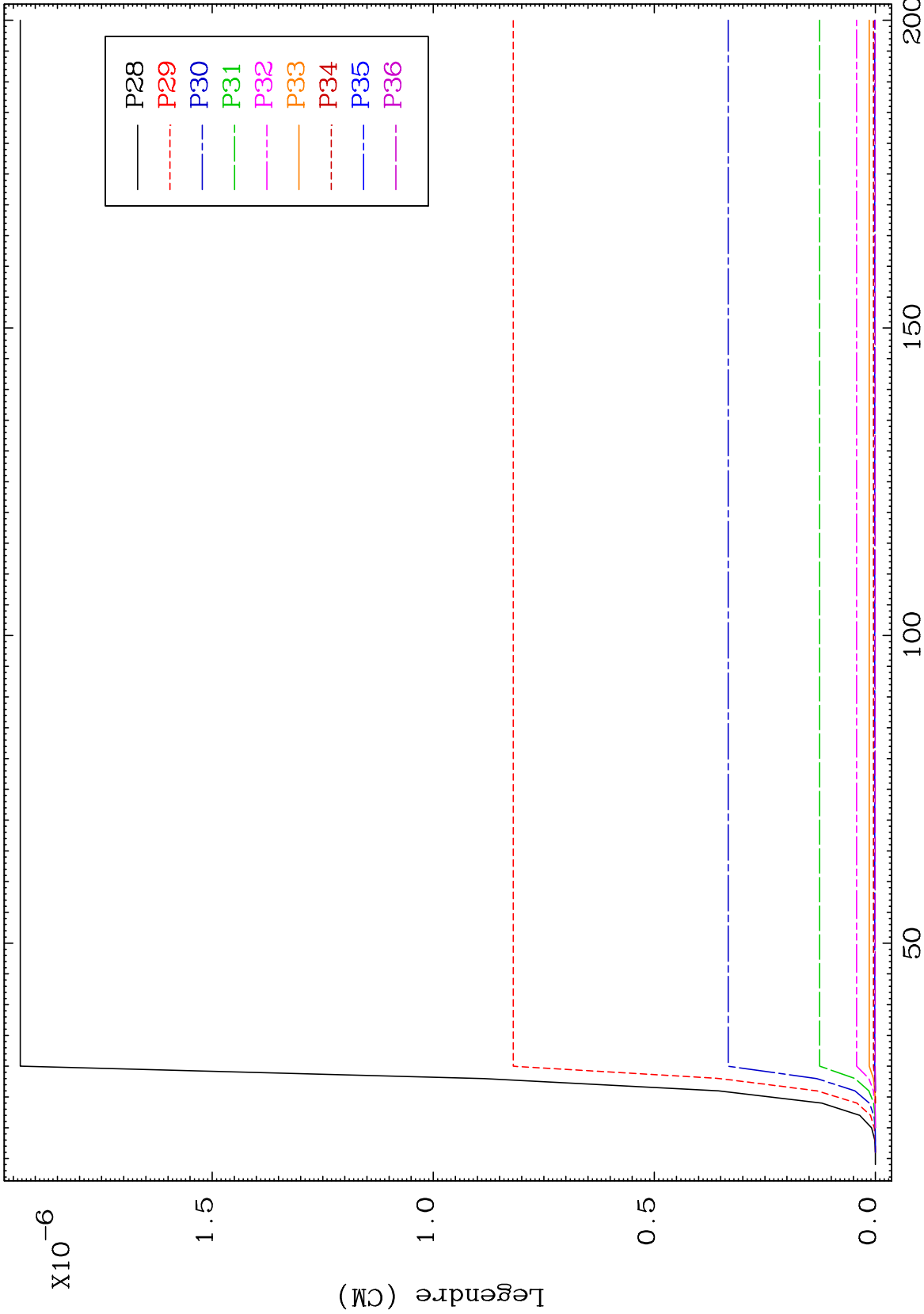
Incident Energy (MeV)

70-Yb-171

MAT 7034

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

70-Yb-171



69

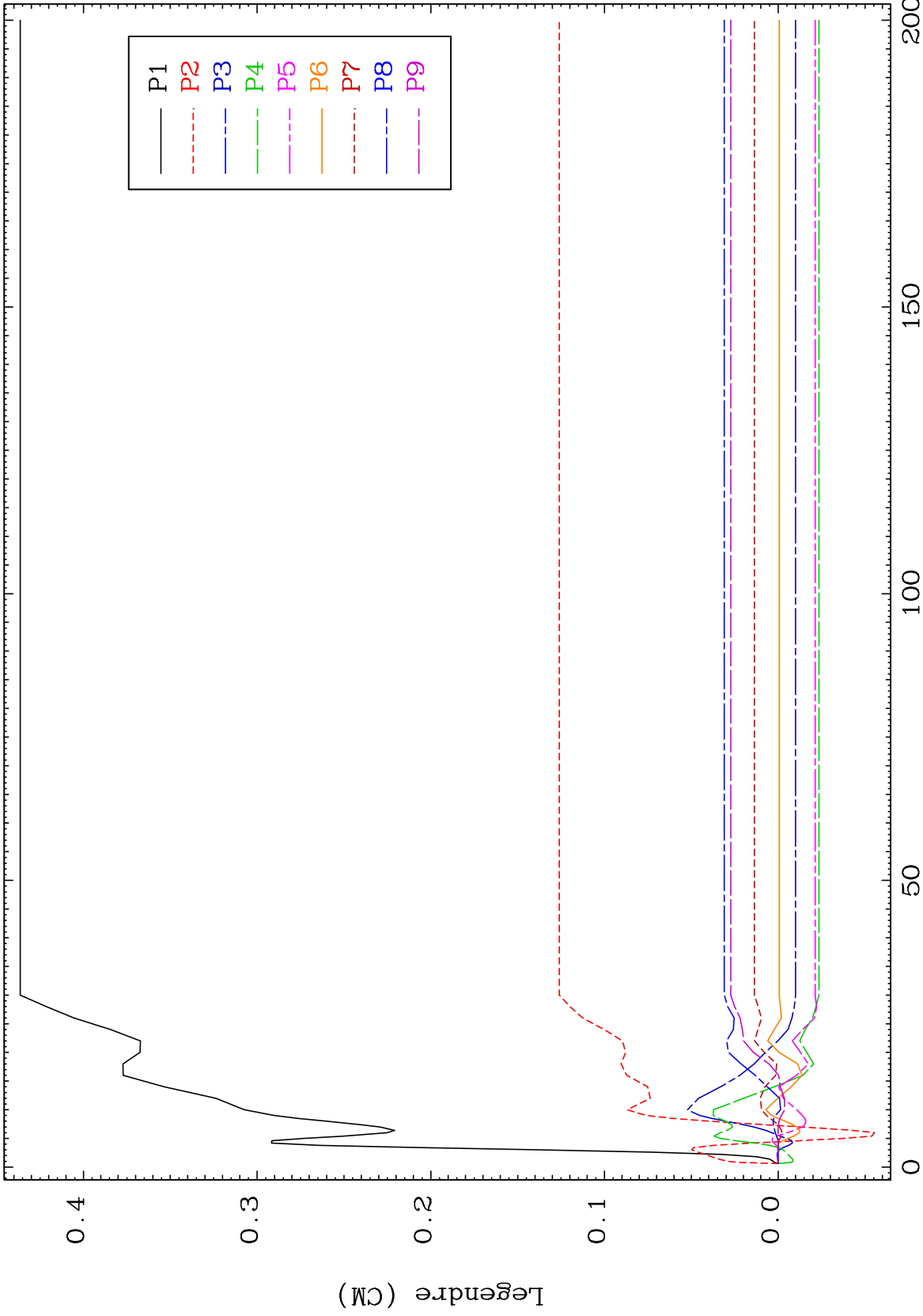
Incident Energy (MeV)

70-Yb-171

MAT 7034

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

70-Yb-171



70

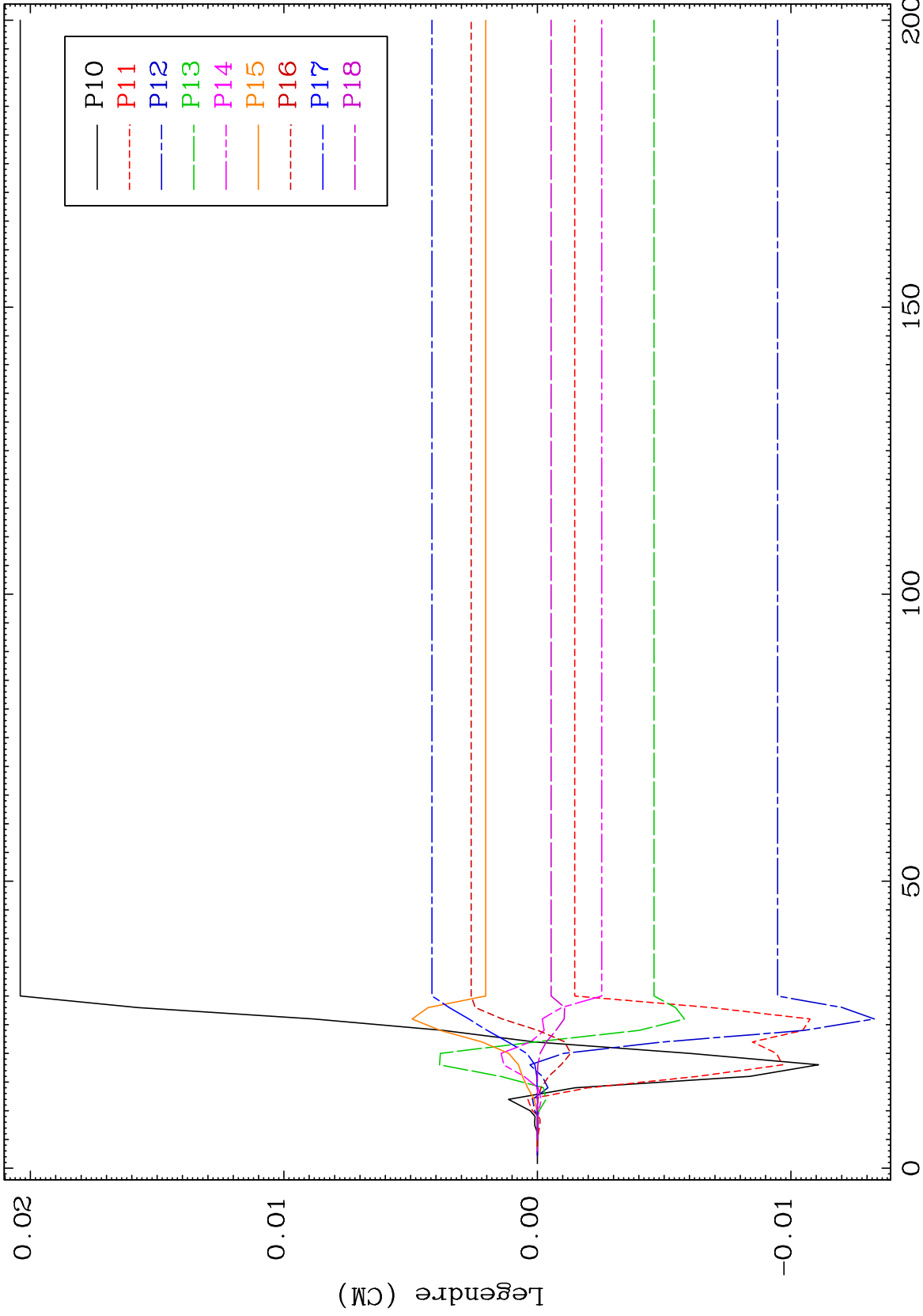
Incident Energy (MeV)

70-Yb-171

MAT 7034

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

70-Yb-171



71

Incident Energy (MeV)

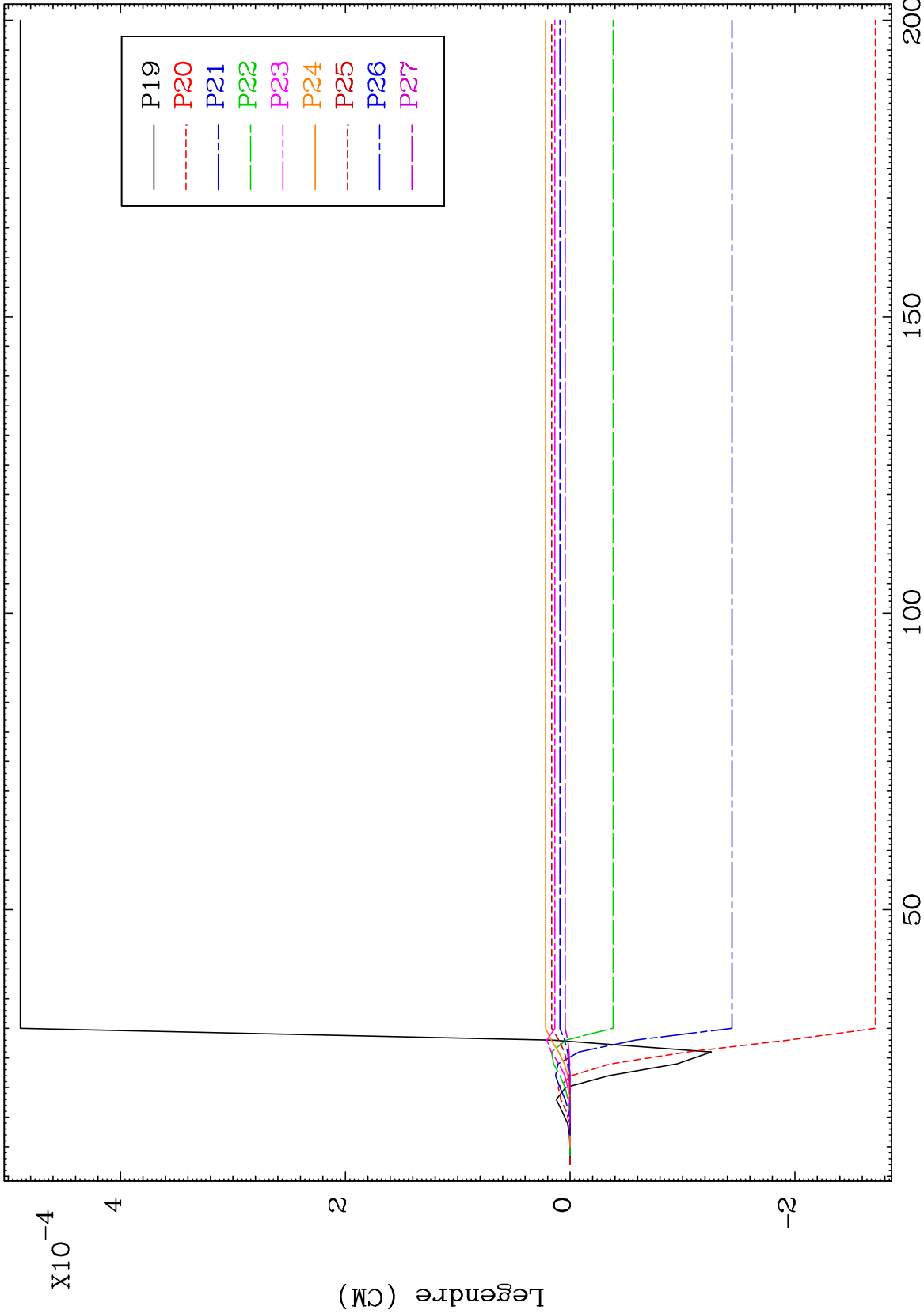
70-Yb-171



MAT 7034

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

70-Yb-171



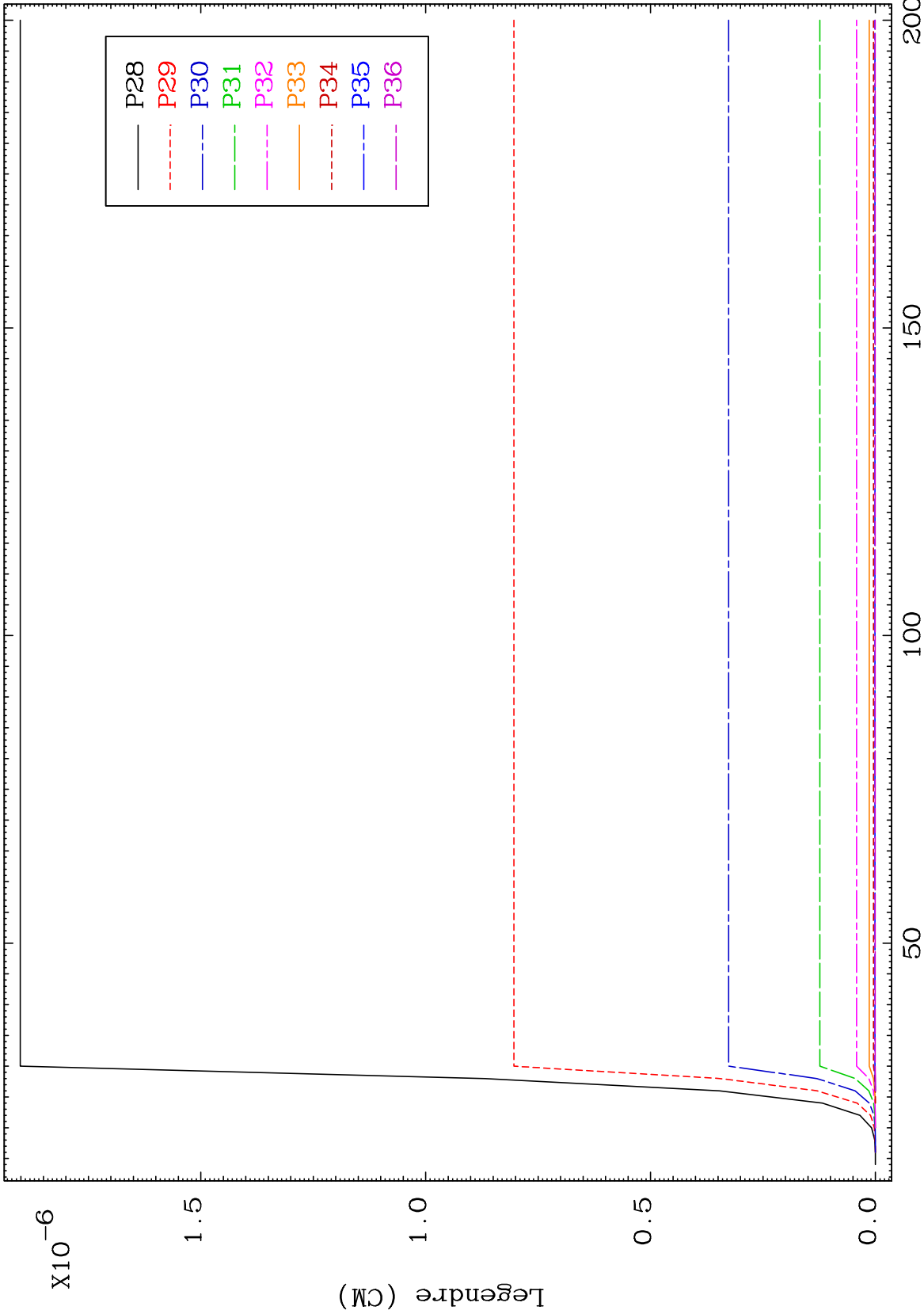
72

70-Yb-171

MAT 7034

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

70-Yb-171



73

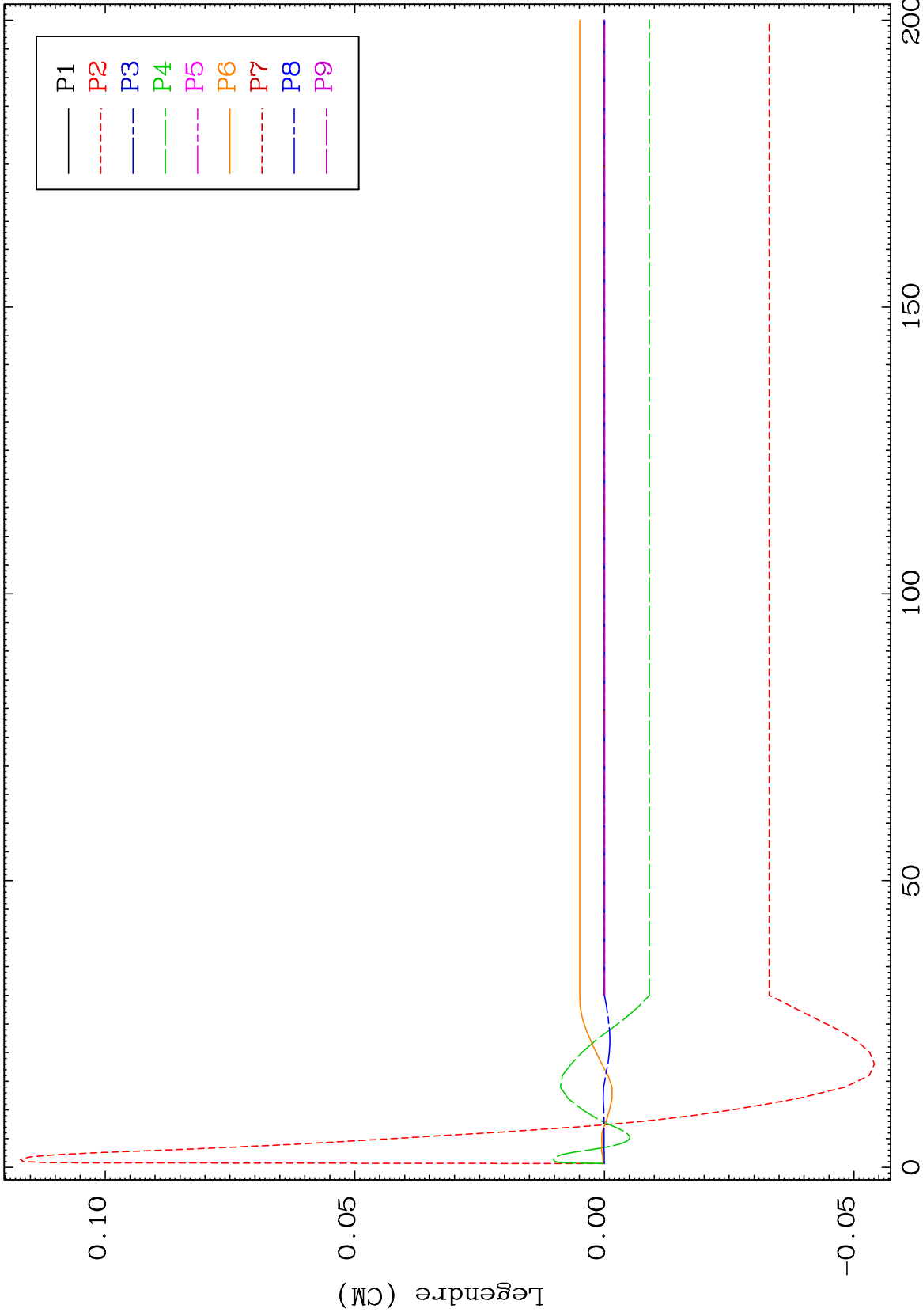
Incident Energy (MeV)

70-Yb-171

MAT 7034

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

70-Yb-171



74

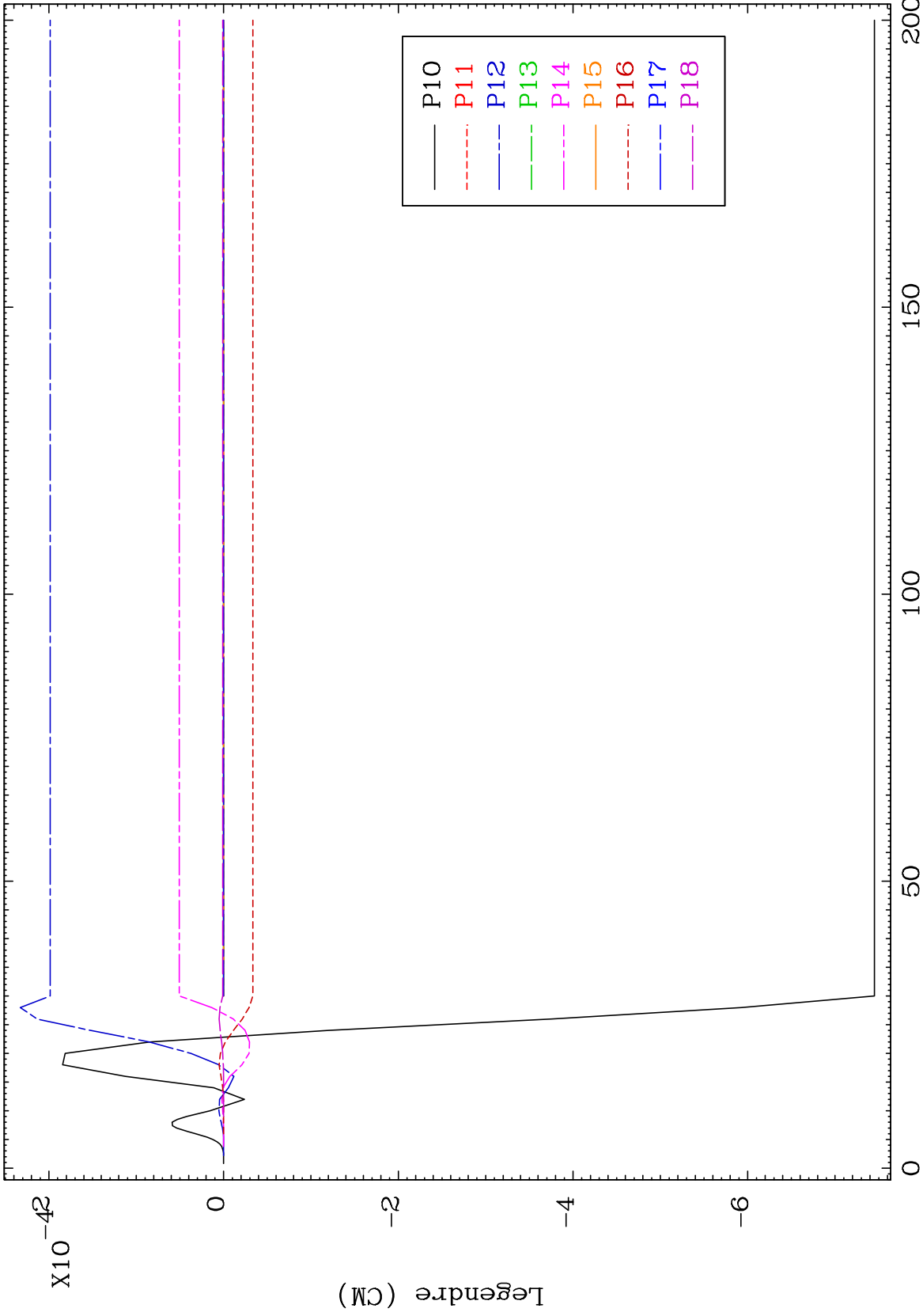
Incident Energy (MeV)

70-Yb-171

MAT 7034

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

70-Yb-171

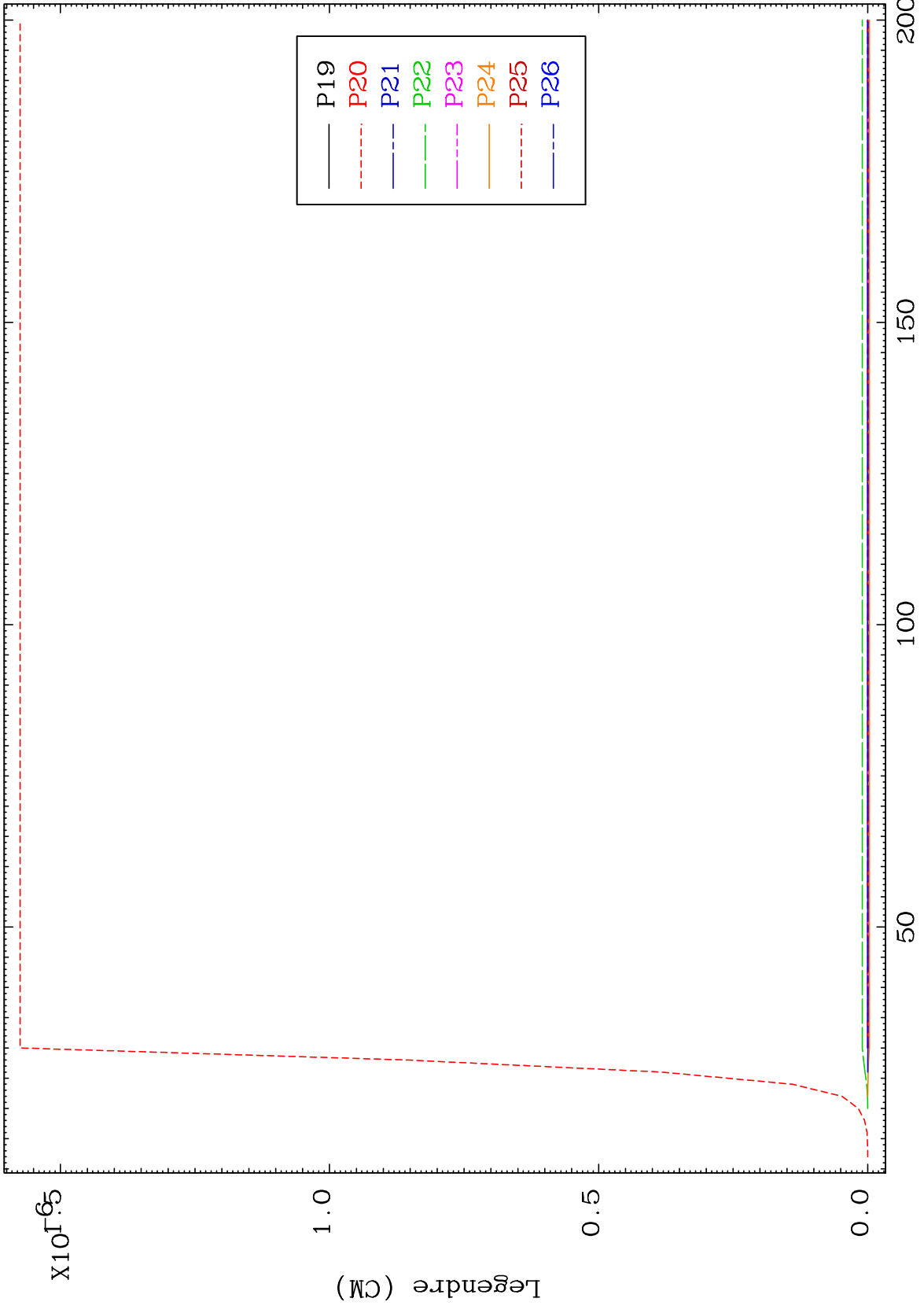


75

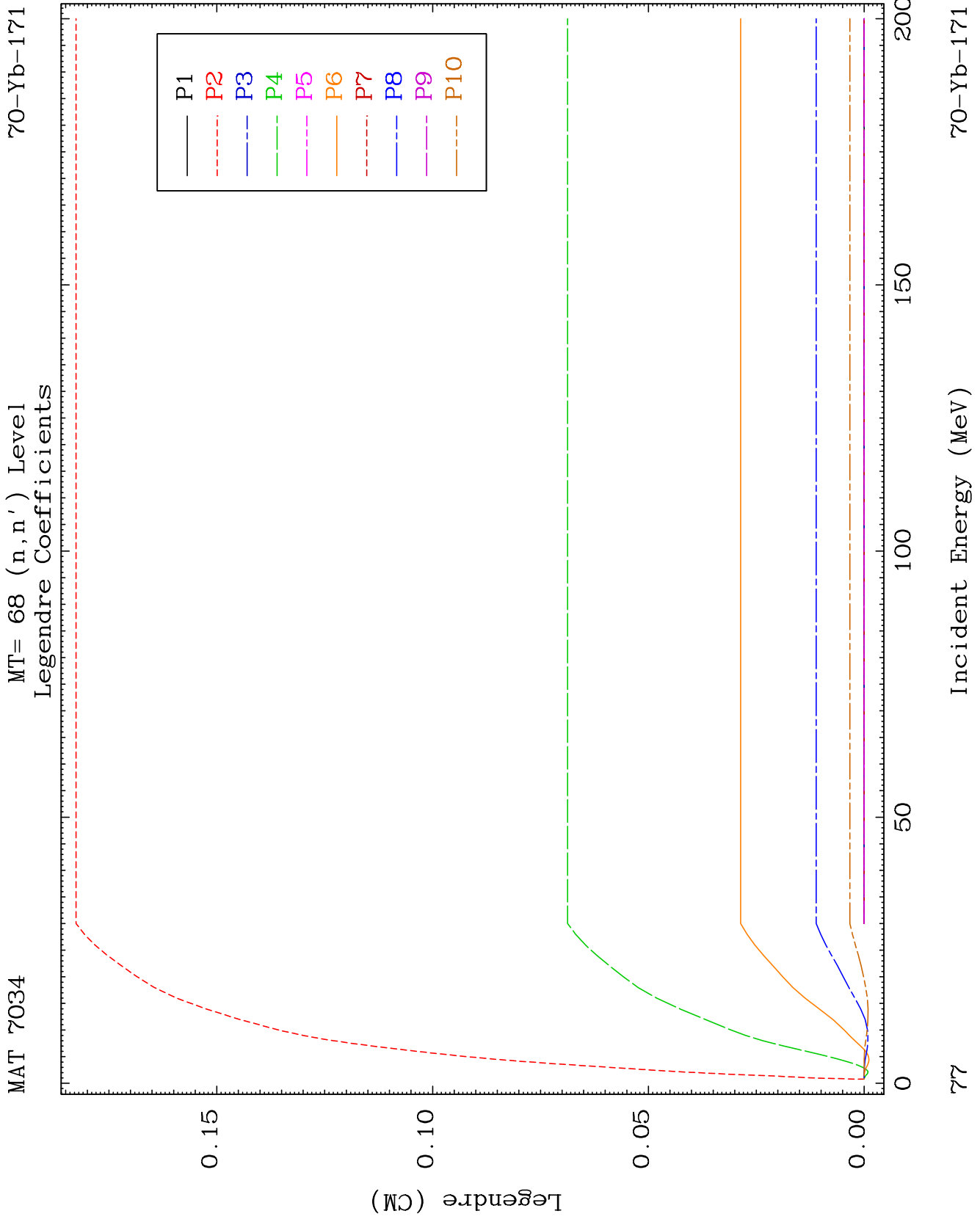
Incident Energy (MeV)

70-Yb-171

MAT 7034 MT= 67 (n,n') Level Legendre Coefficients 70-Yb-171



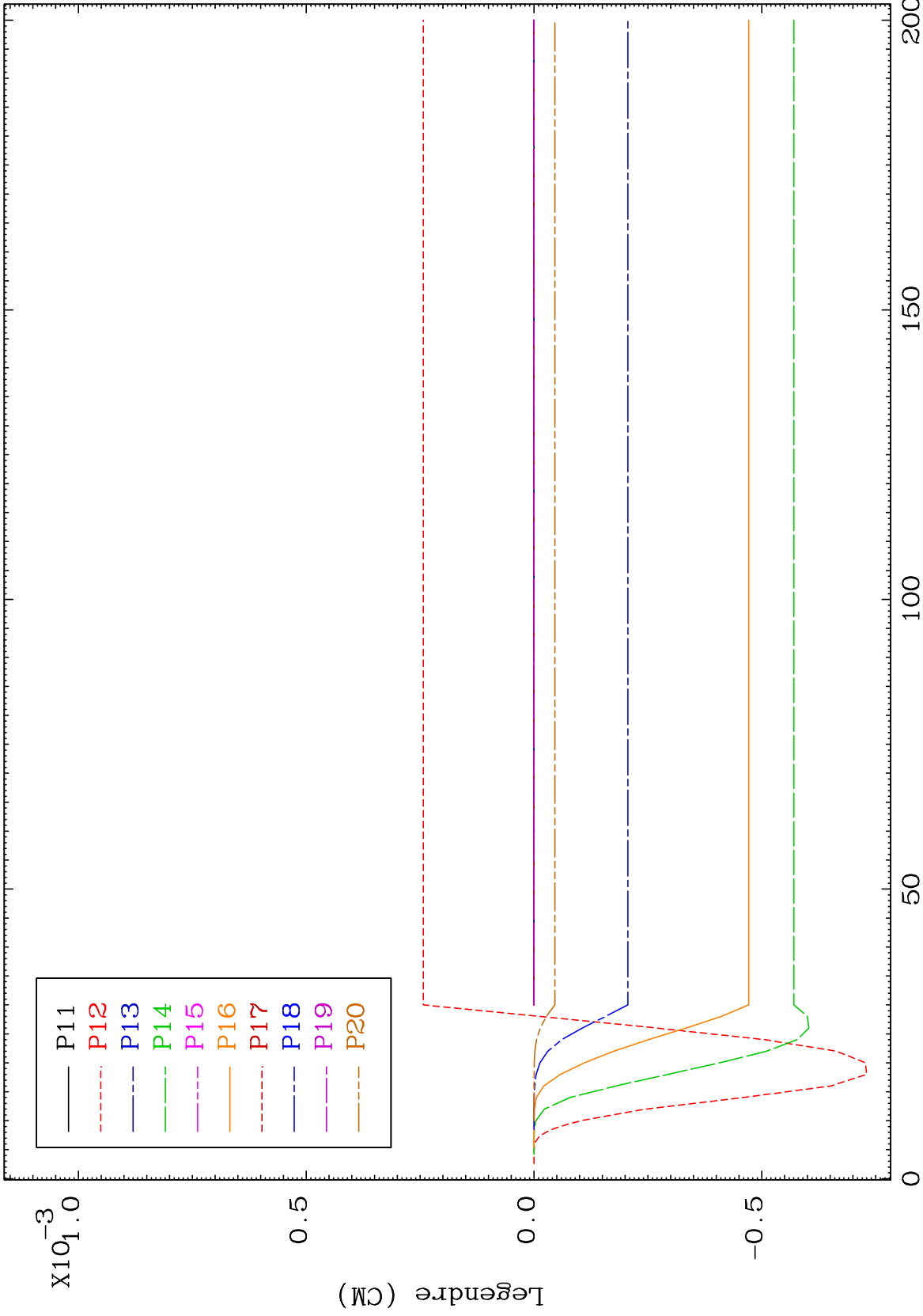
76 Incident Energy (MeV) 70-Yb-171



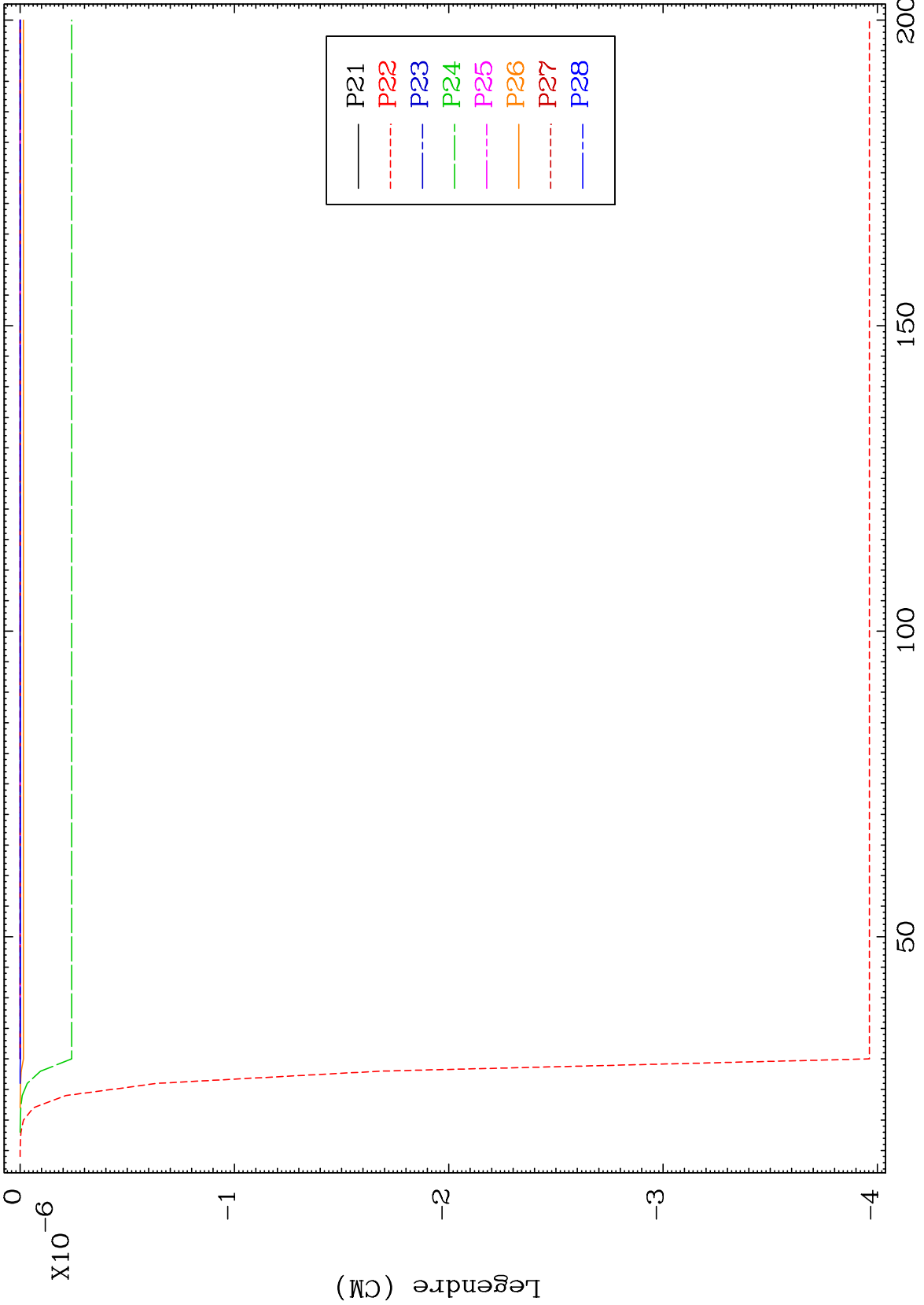
MAT 7034

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

70-Yb-171



MAT 7034 MT= 68 (n,n') Level Legendre Coefficients 70-Yb-171



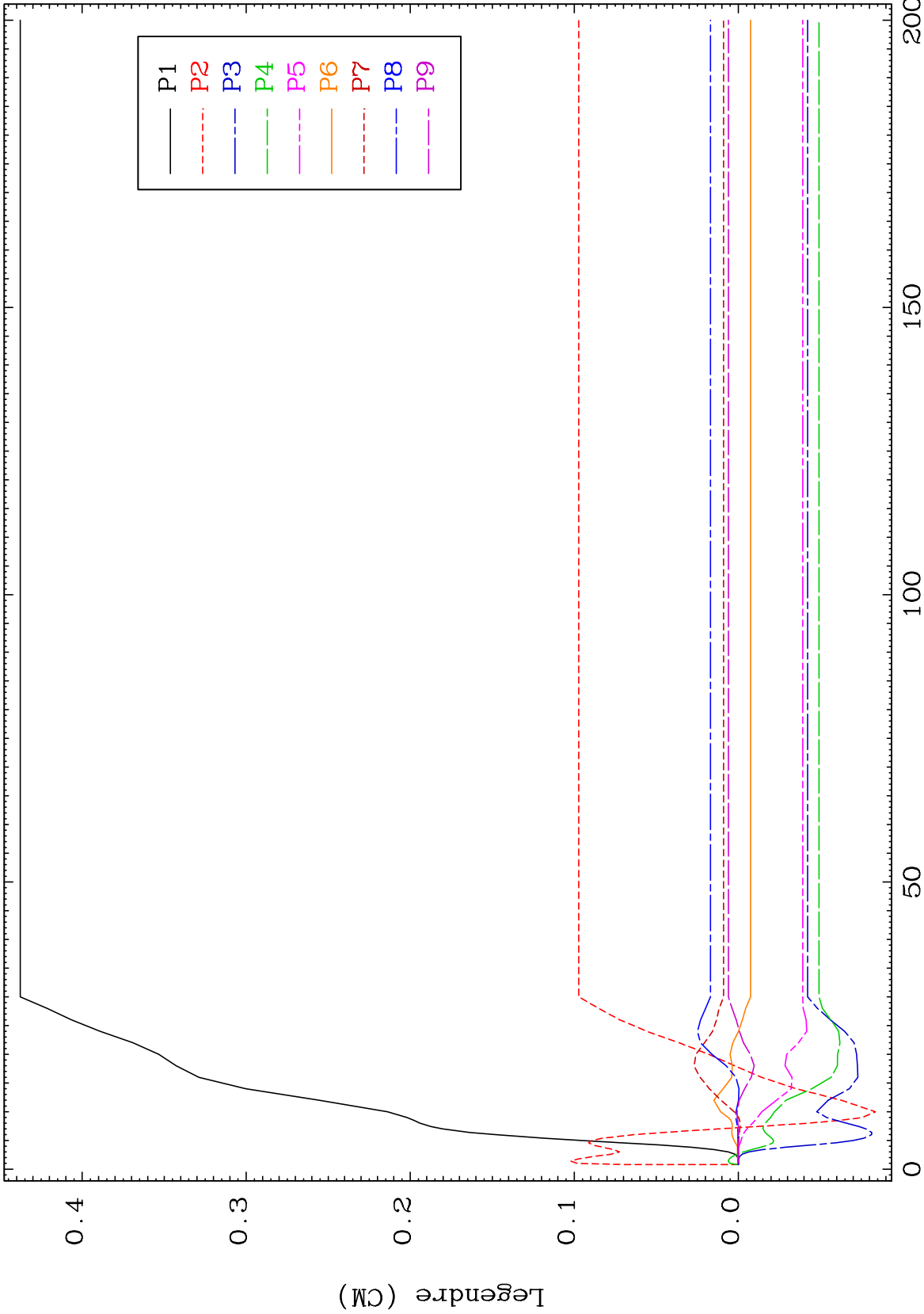
79 70-Yb-171



MAT 7034

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

70-Yb-171



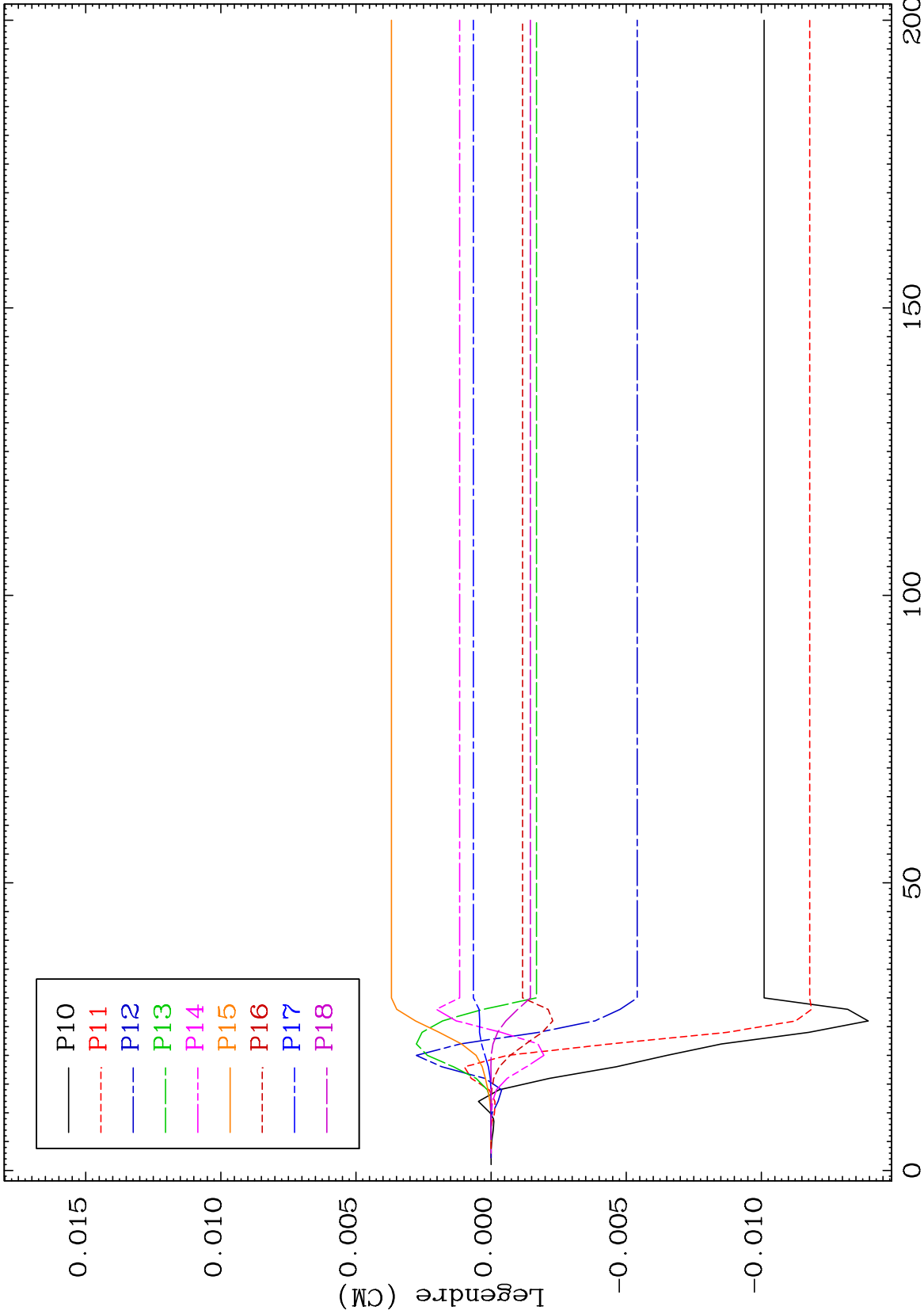
70-Yb-171

Incident Energy (MeV)

MAT 7034

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

70-Yb-171



81

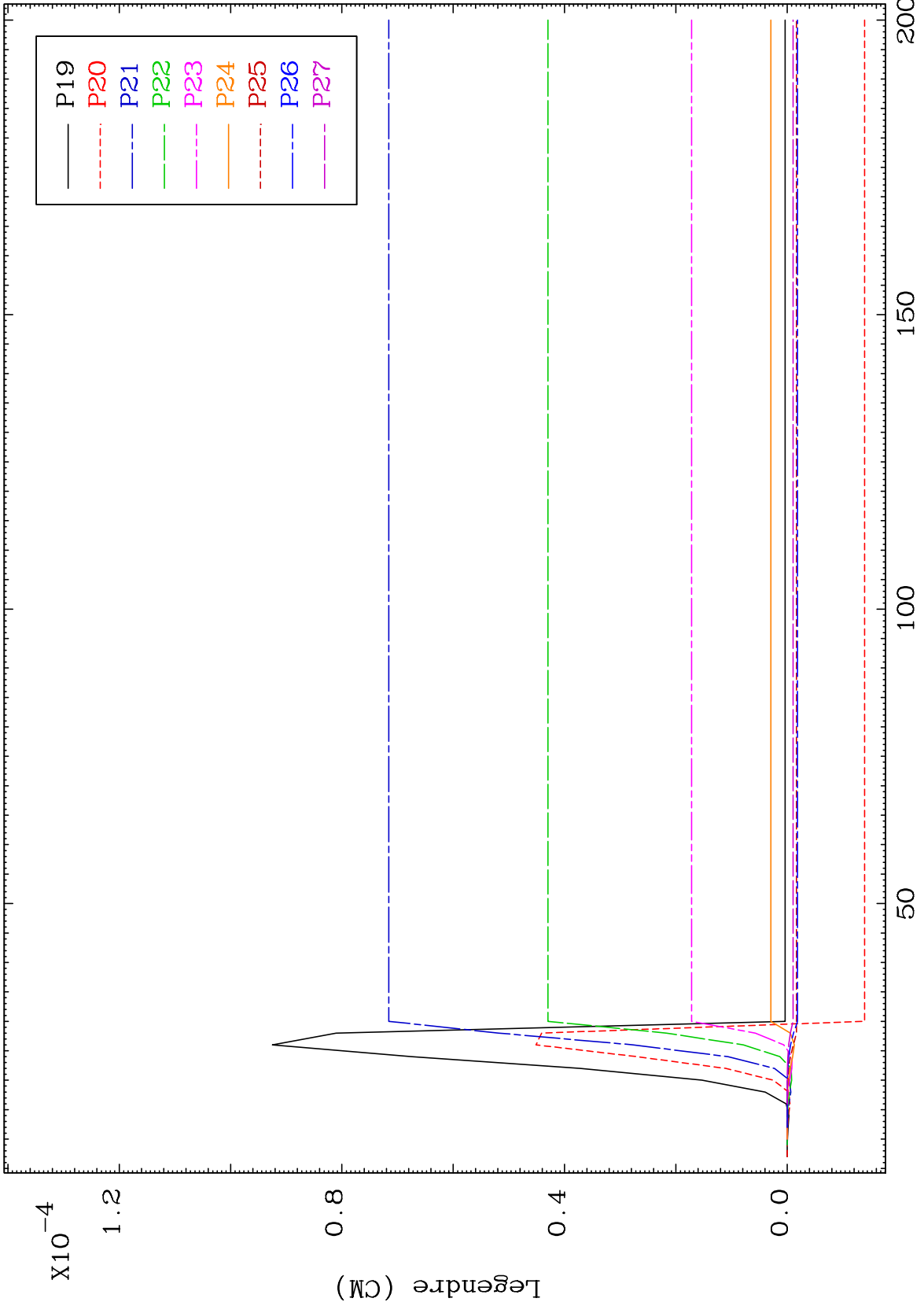
Incident Energy (MeV)

70-Yb-171

MAT 7034

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

70-Yb-171

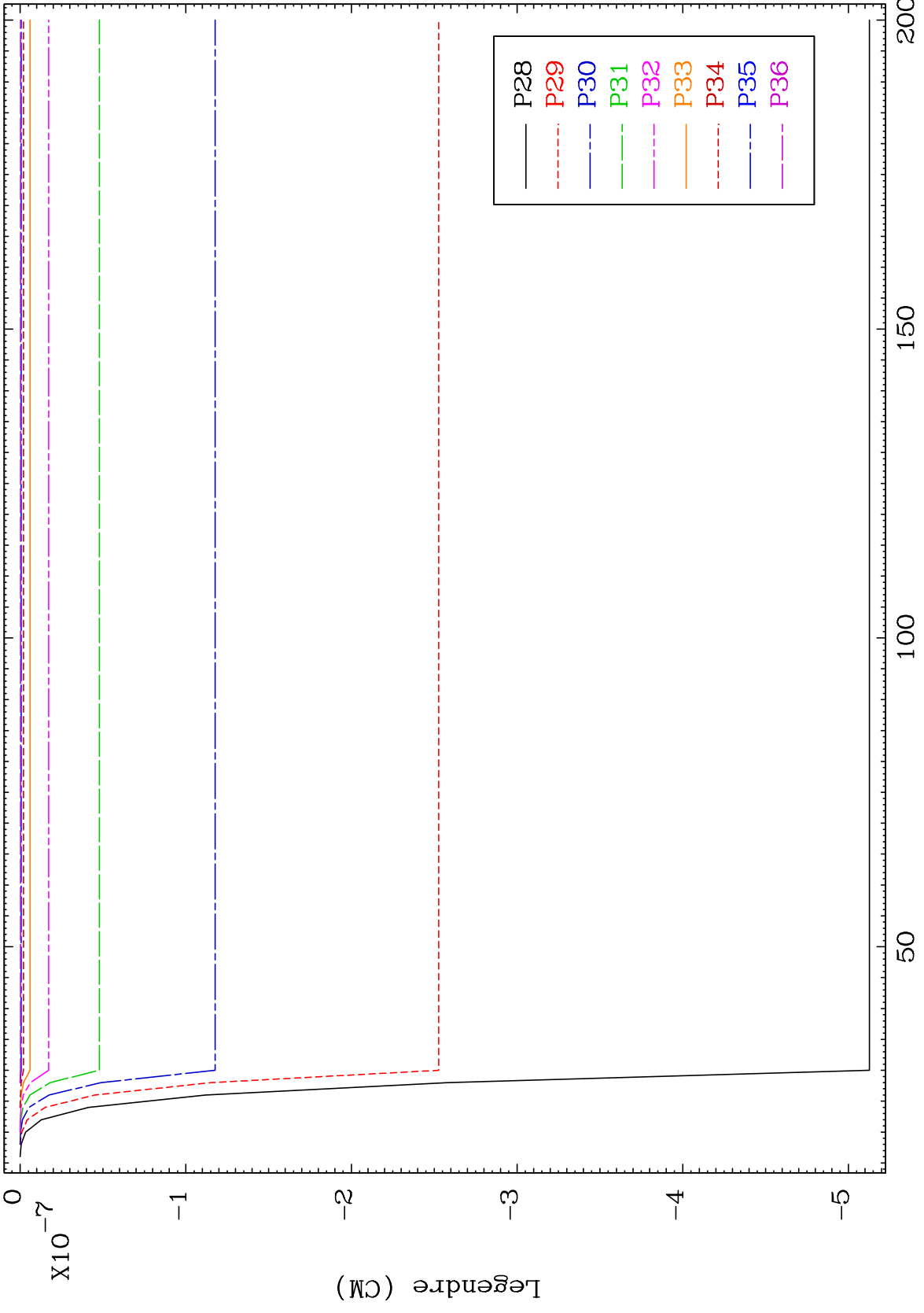


82

Incident Energy (MeV)

70-Yb-171

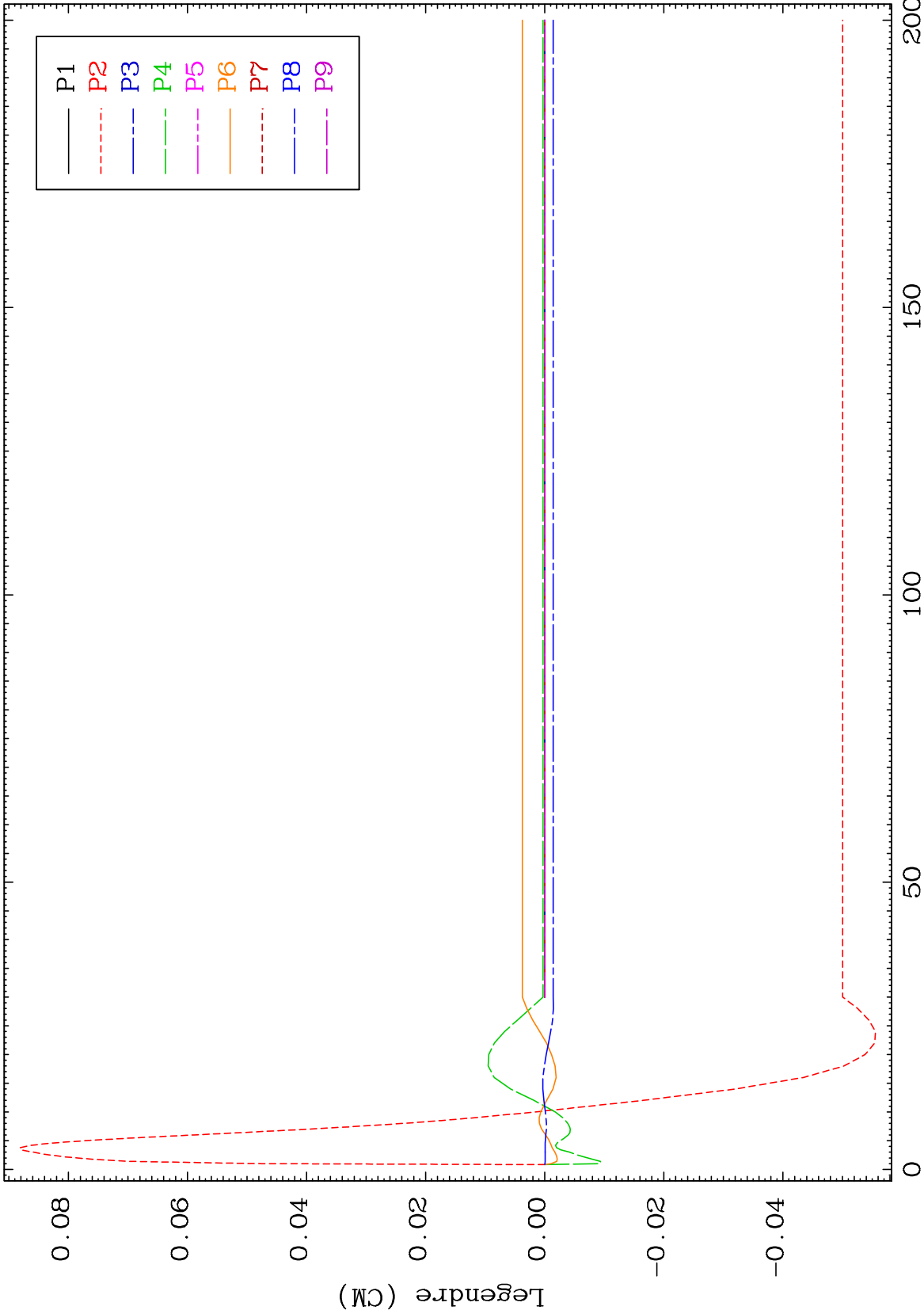
MAT 7034 MT= 69 (n,n') Level Legendre Coefficients 70-Yb-171



MAT 7034

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

70-Yb-171



84

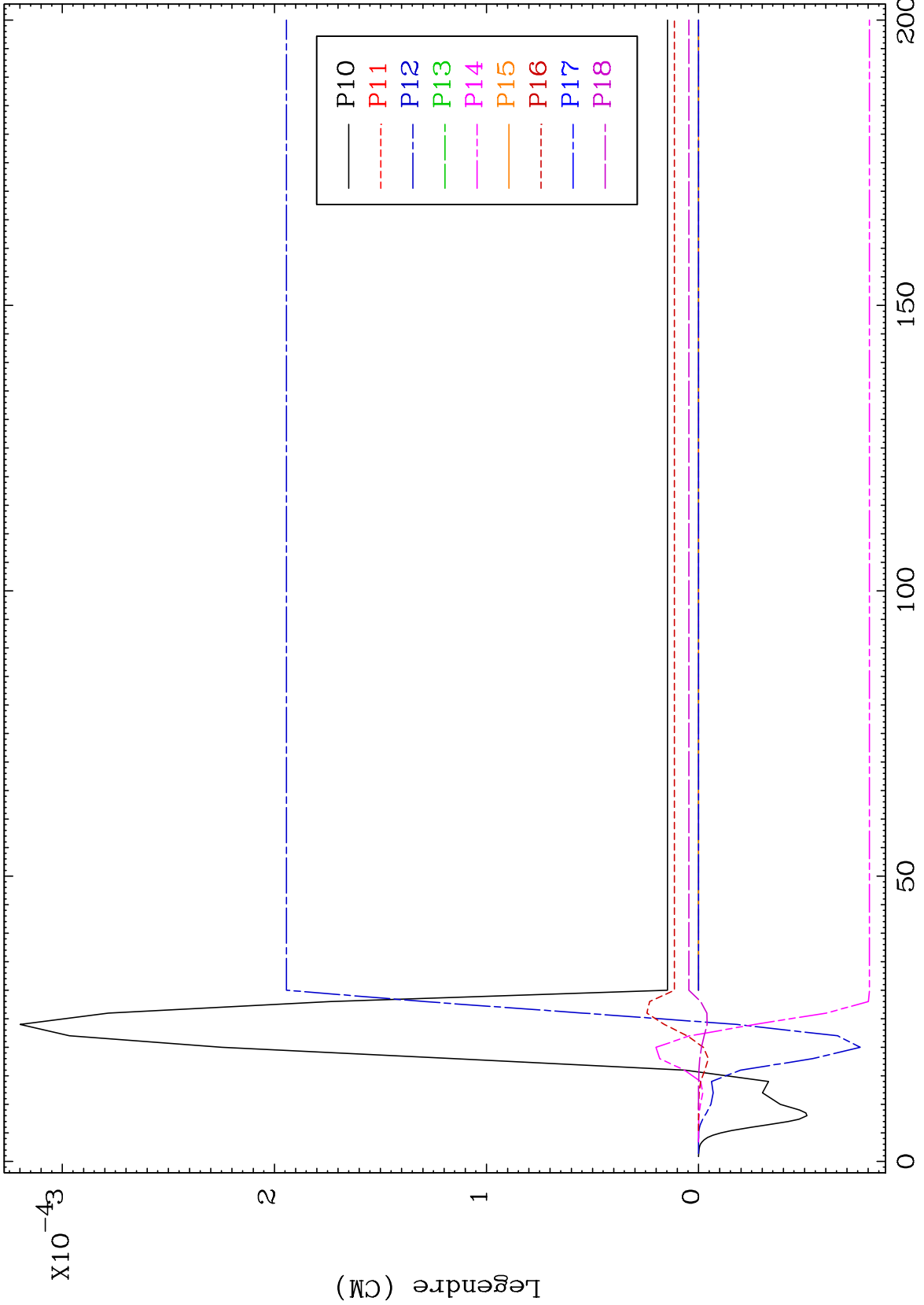
Incident Energy (MeV)

70-Yb-171

MAT 7034

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

70-Yb-171

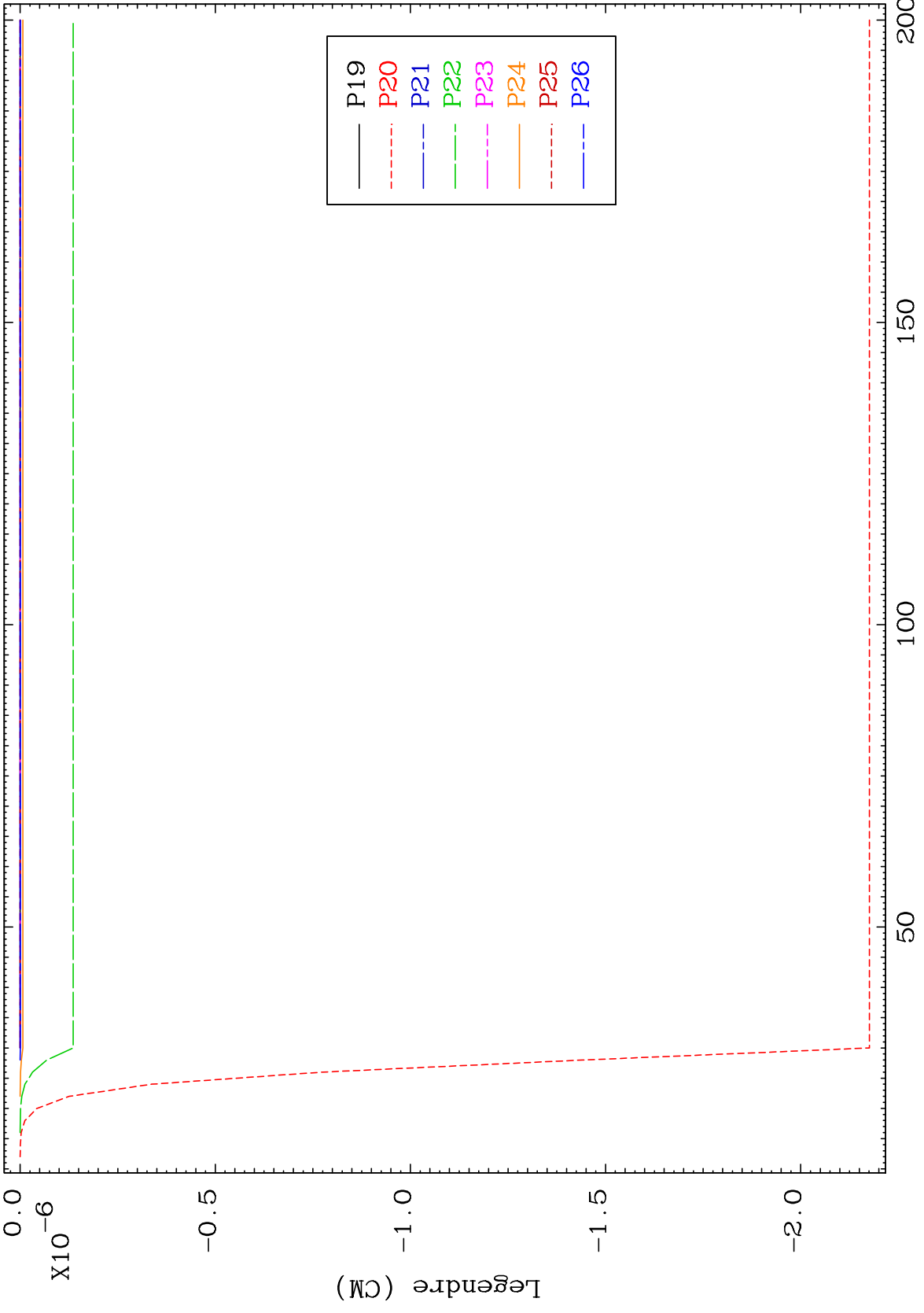


85

Incident Energy (MeV)

70-Yb-171

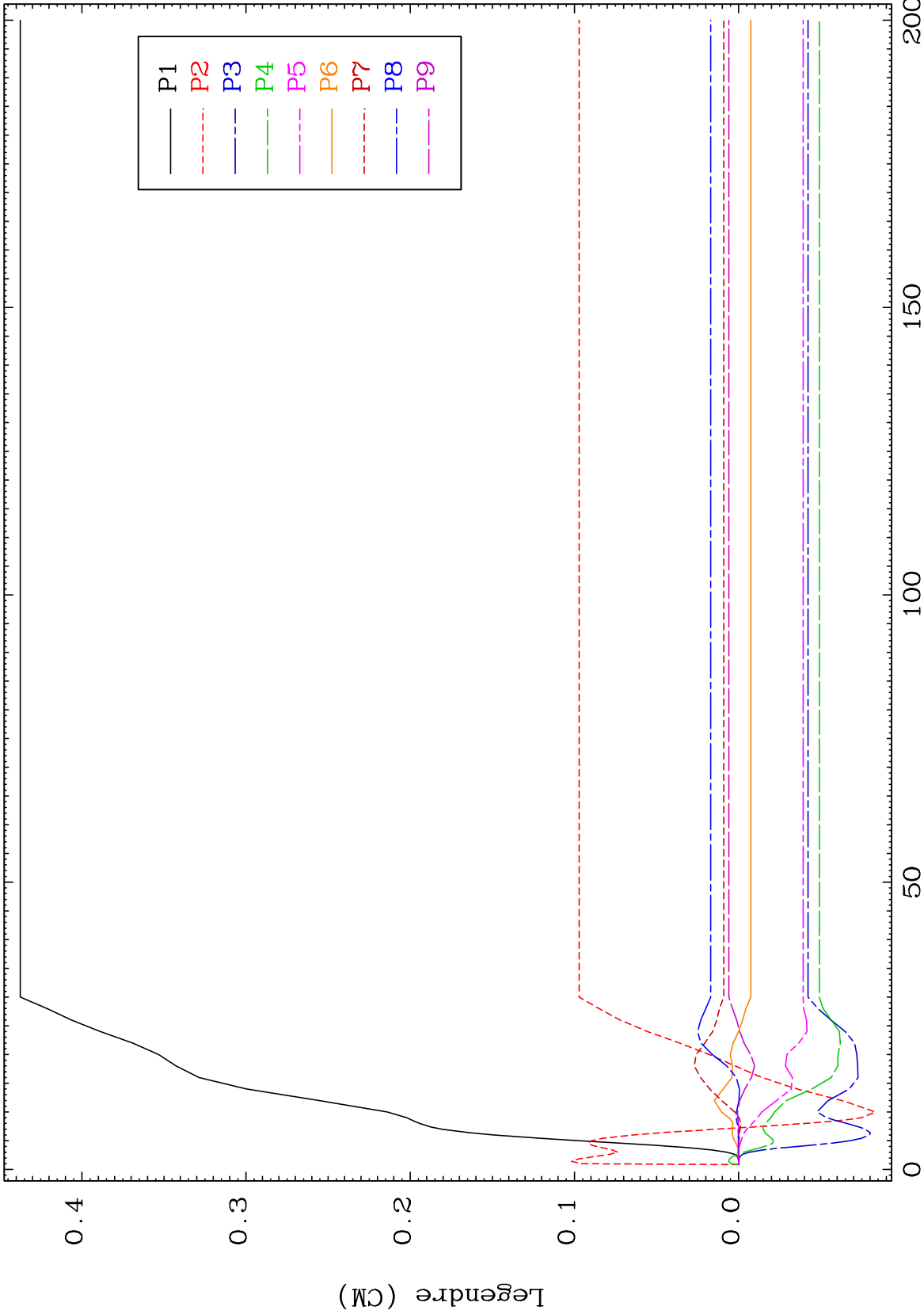
MAT 7034 MT= 70 (n,n') Level Legendre Coefficients 70-Yb-171



MAT 7034

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

70-Yb-171



87

Incident Energy (MeV)

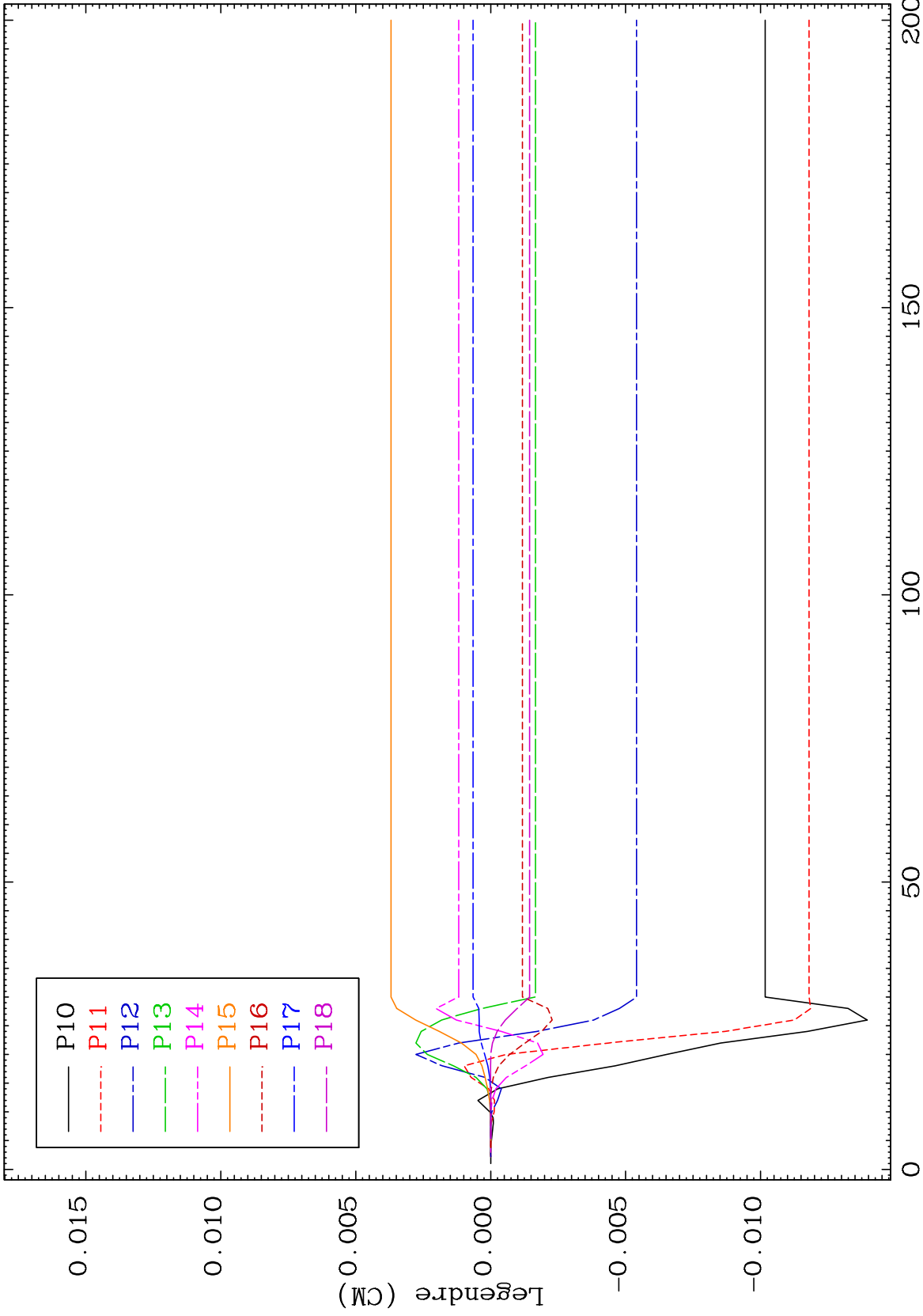
70-Yb-171



MAT 7034

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

70-Yb-171



88

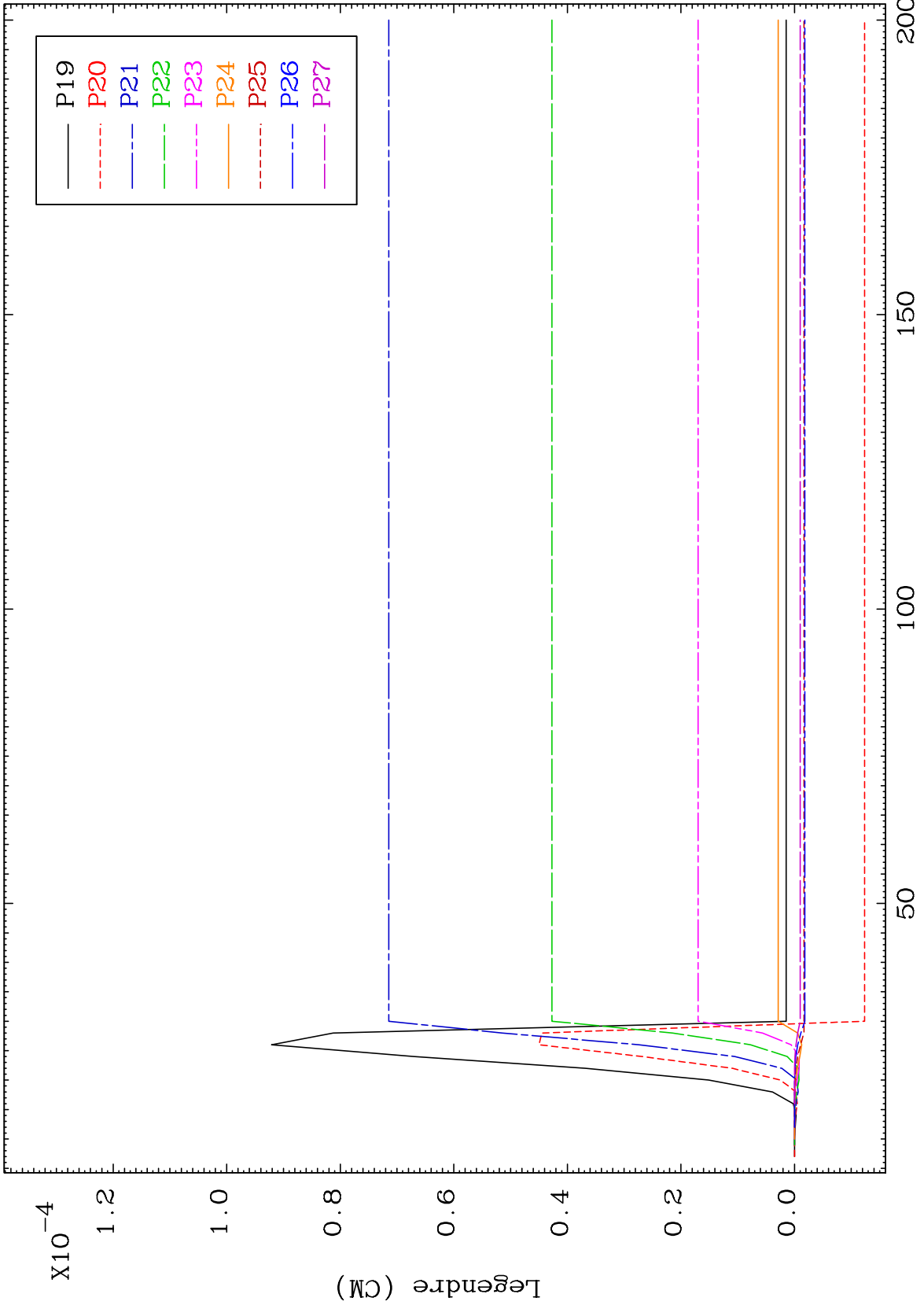
Incident Energy (MeV)

70-Yb-171

MAT 7034

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

70-Yb-171

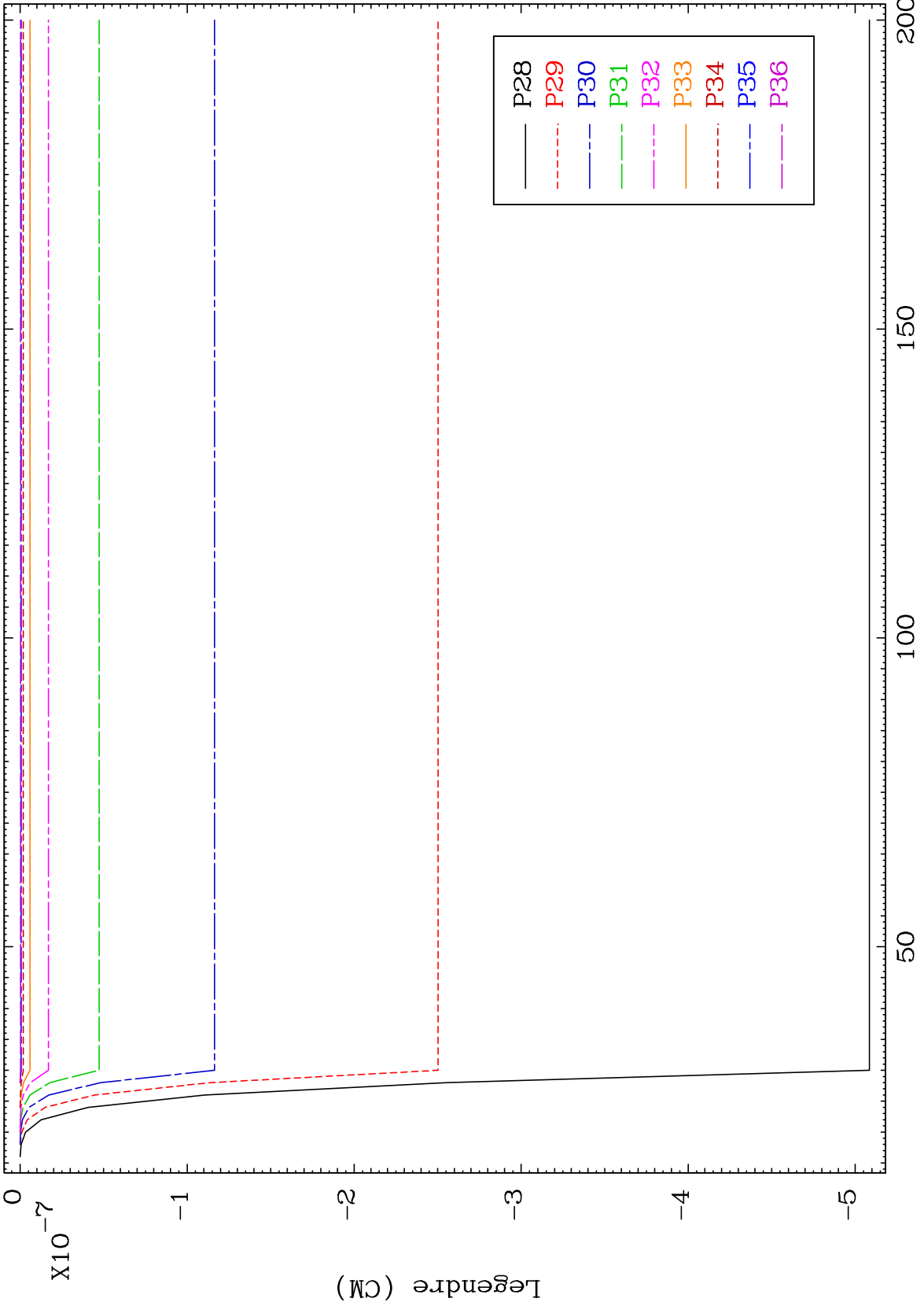


89

Incident Energy (MeV)

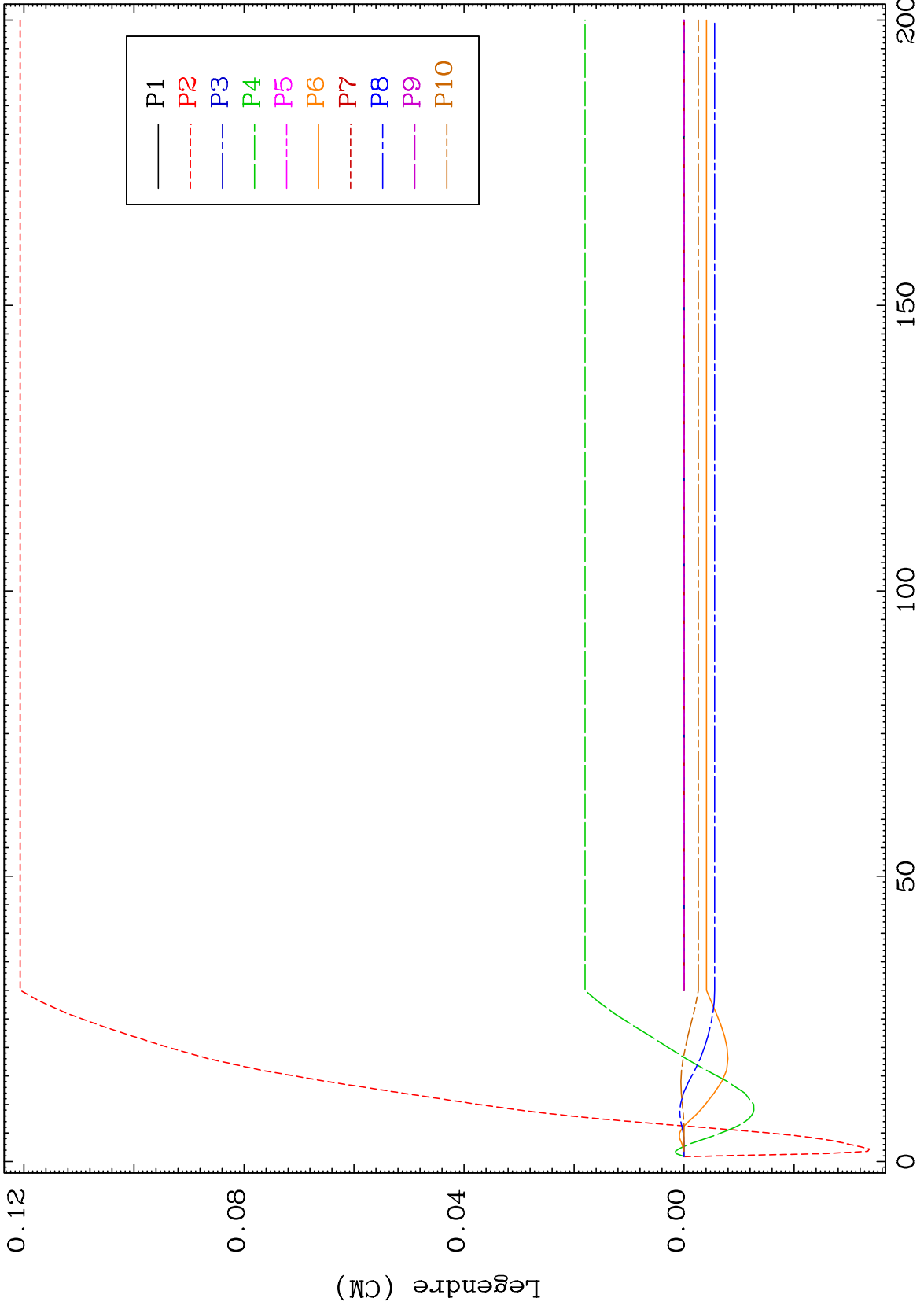
70-Yb-171

MAT 7034 MT= 71 (n,n') Level Legendre Coefficients 70-Yb-171



90 Incident Energy (MeV) 70-Yb-171

MAT 7034 MT= 72 (n,n') Level Legendre Coefficients 70-Yb-171

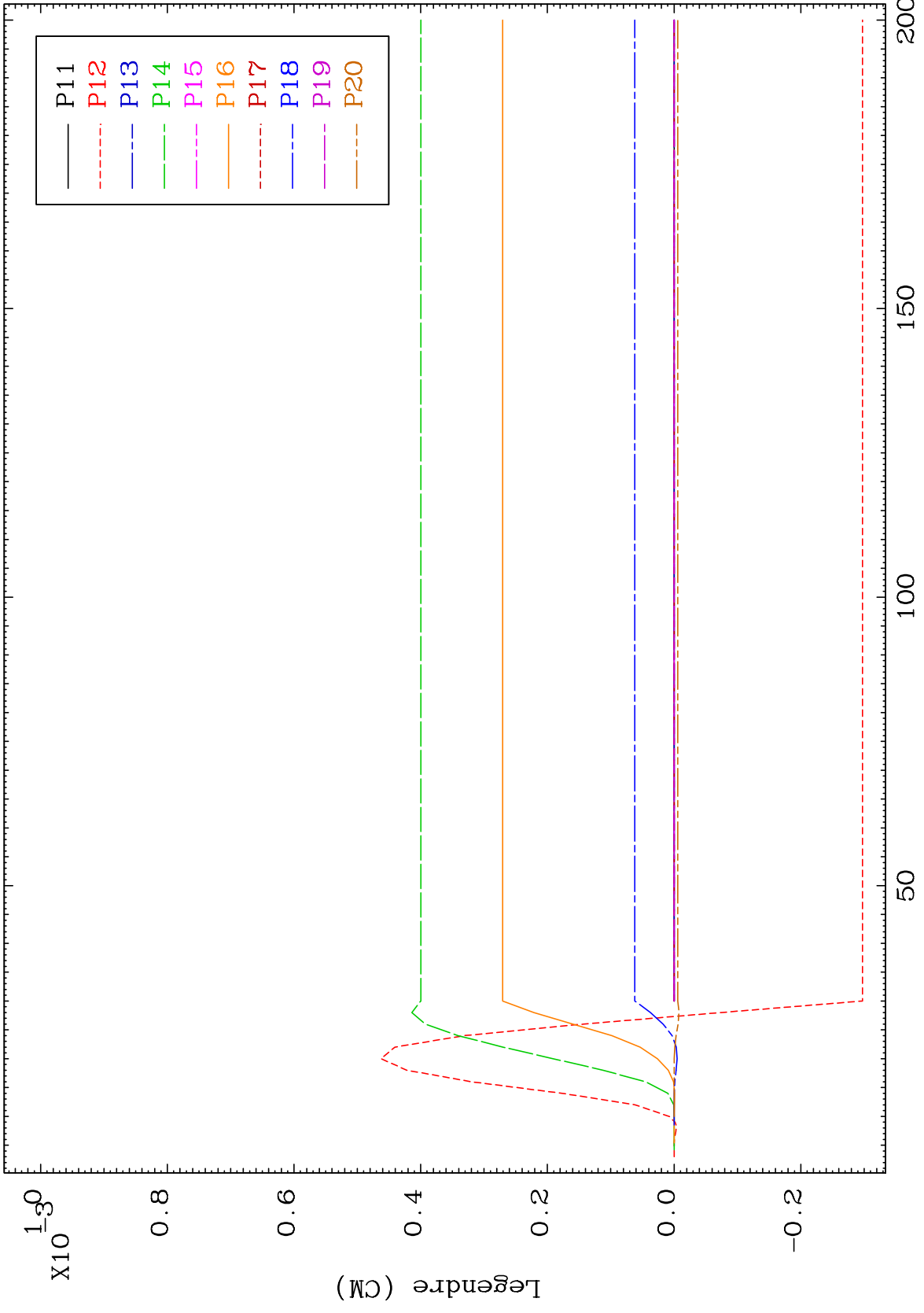


91 70-Yb-171

MAT 7034

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

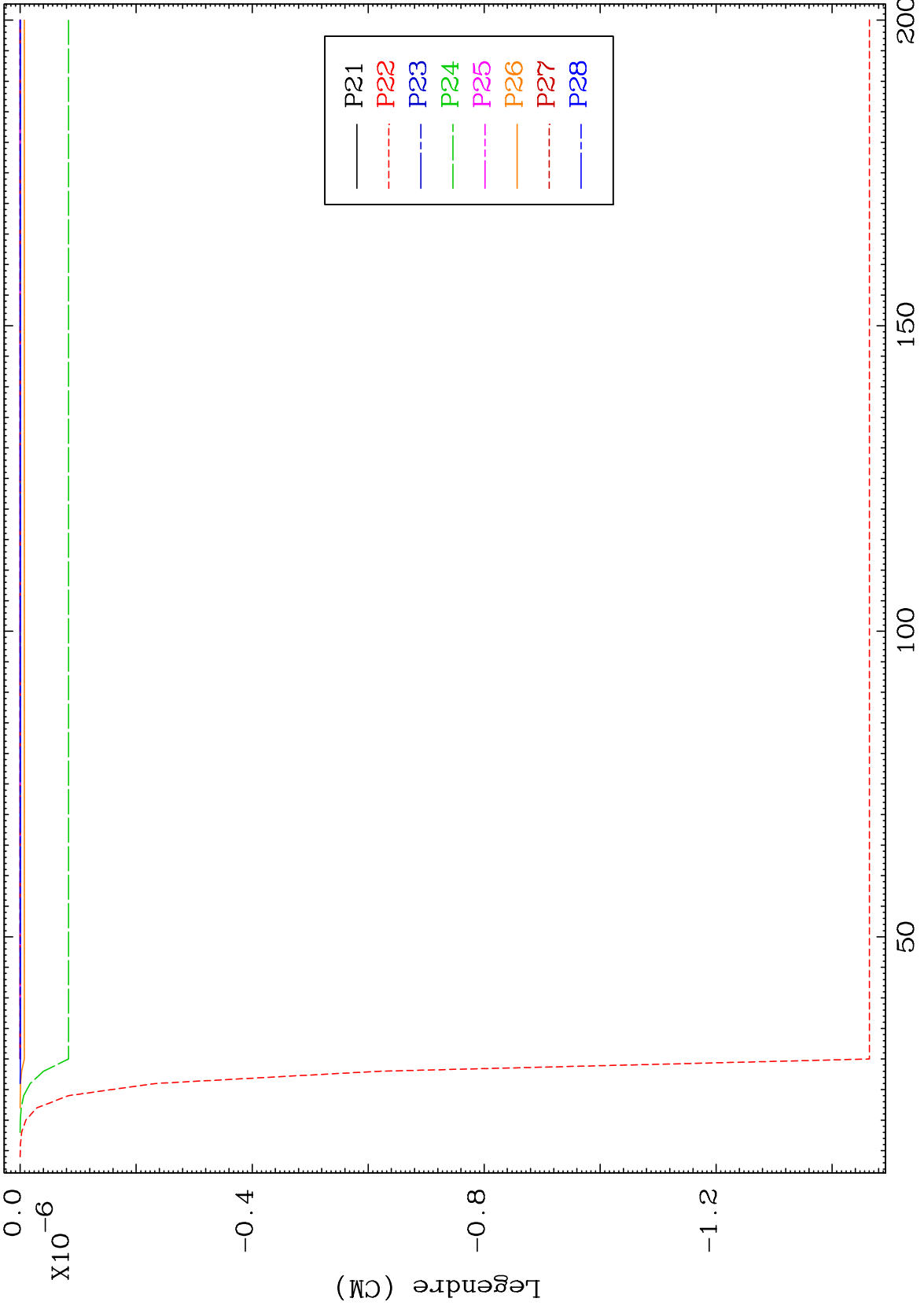
70-Yb-171



92

70-Yb-171

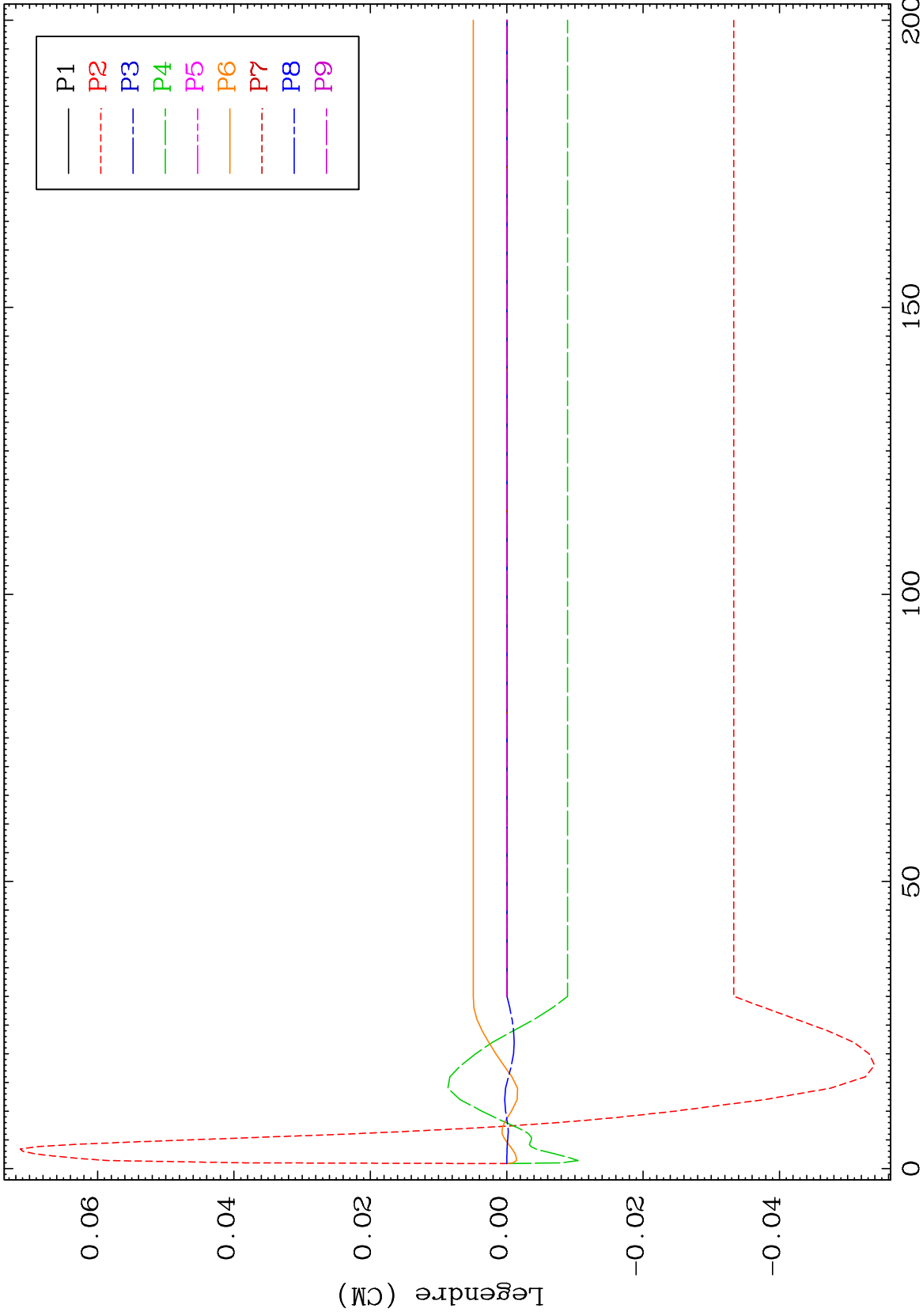
MAT 7034 MT= 72 (n,n') Level Legendre Coefficients 70-Yb-171



MAT 7034

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

70-Yb-171



94

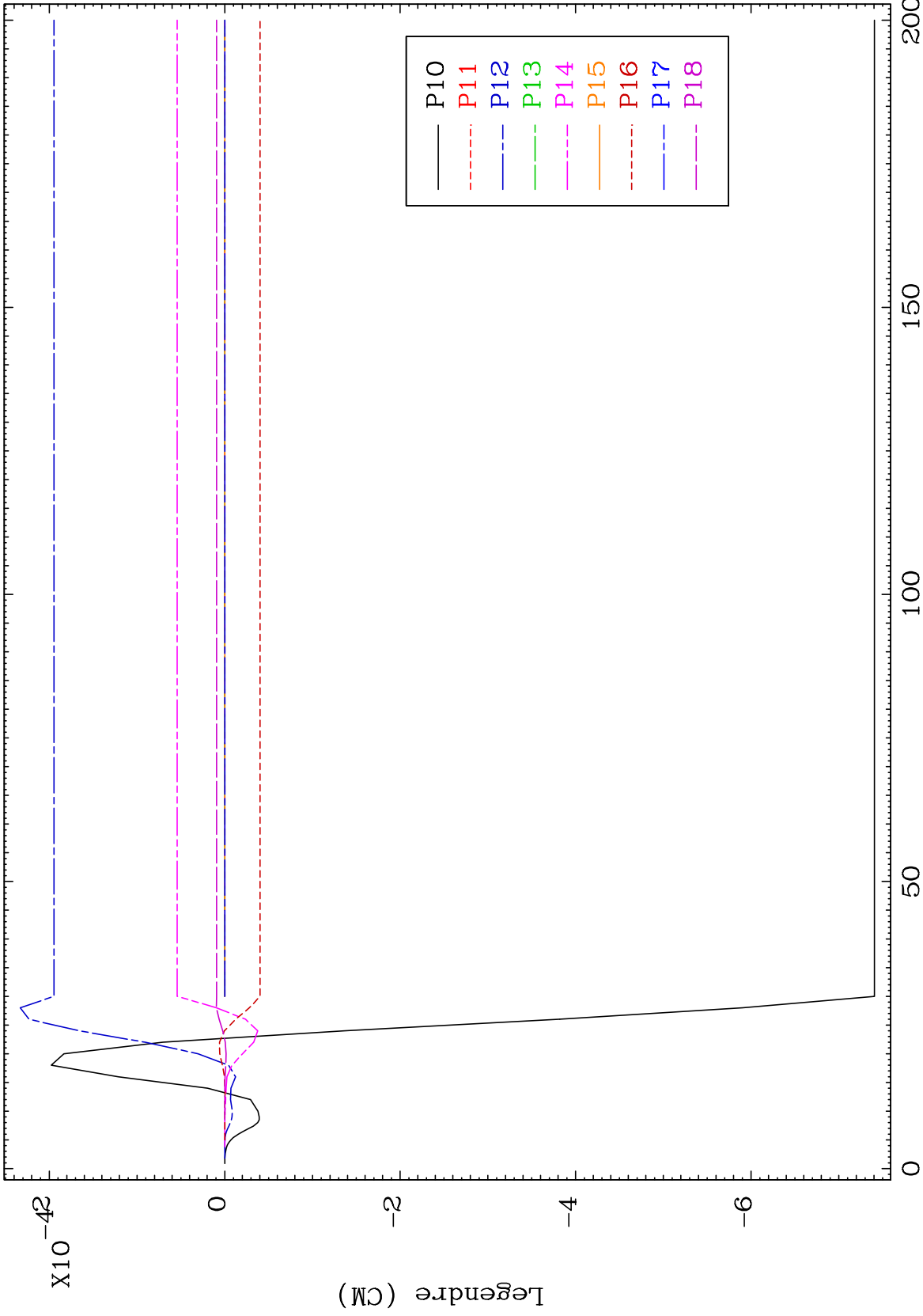
Incident Energy (MeV)

70-Yb-171

MAT 7034

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

70-Yb-171



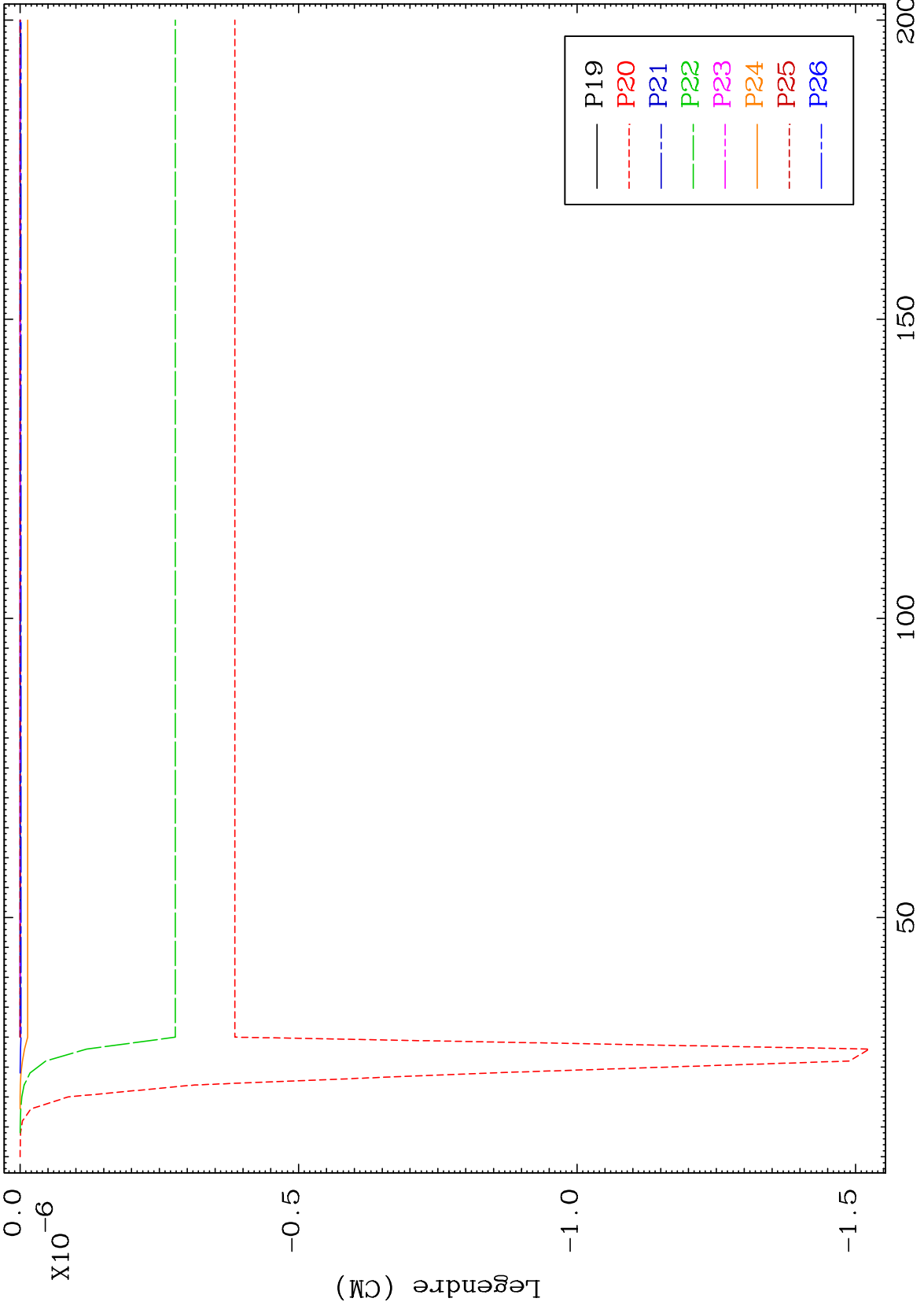
95

Incident Energy (MeV)

70-Yb-171

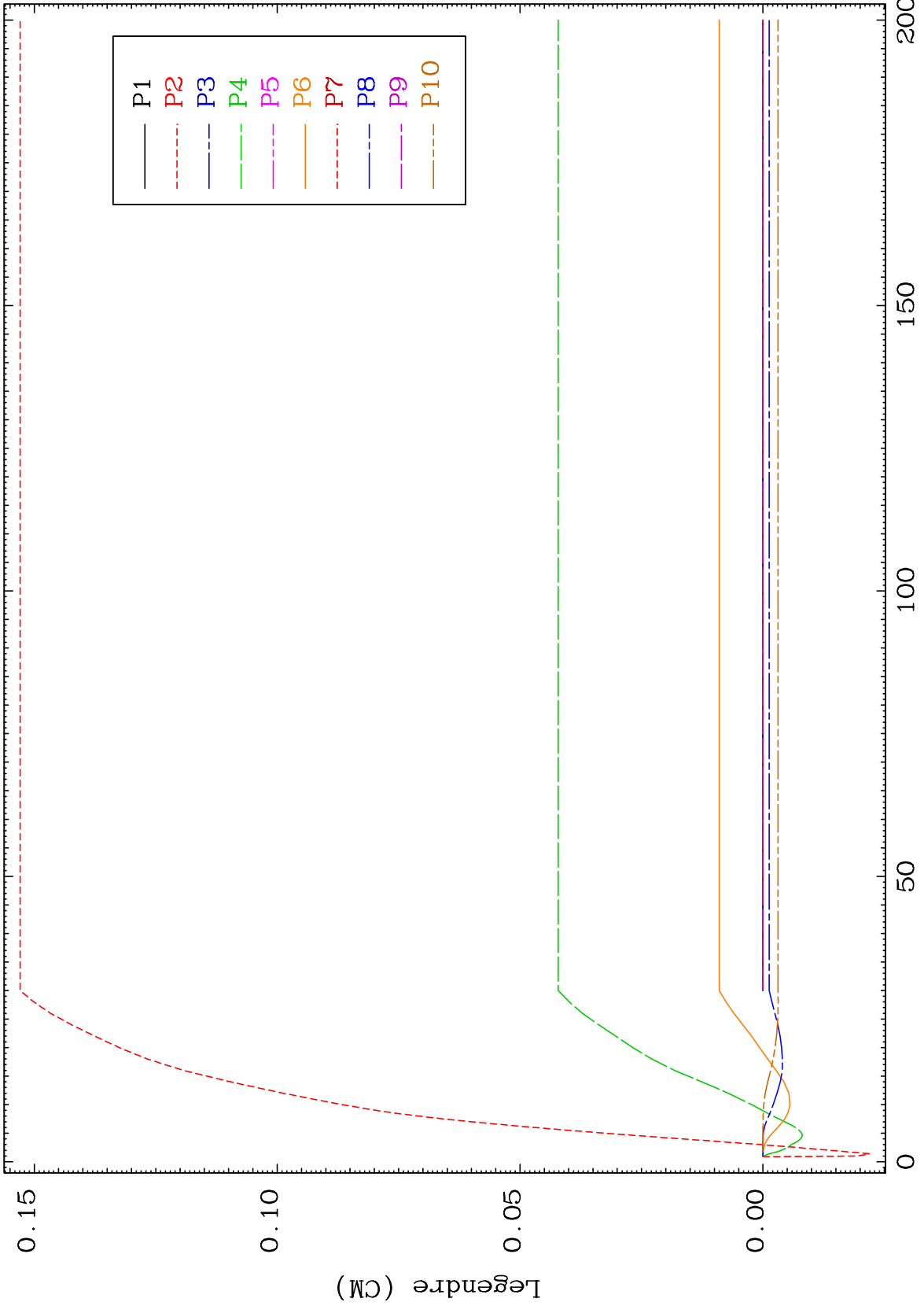


MAT 7034 MT= 73 (n,n') Level Legendre Coefficients 70-Yb-171



96 70-Yb-171

MAT 7034 MT= 74 (n,n') Level Legendre Coefficients 70-Yb-171

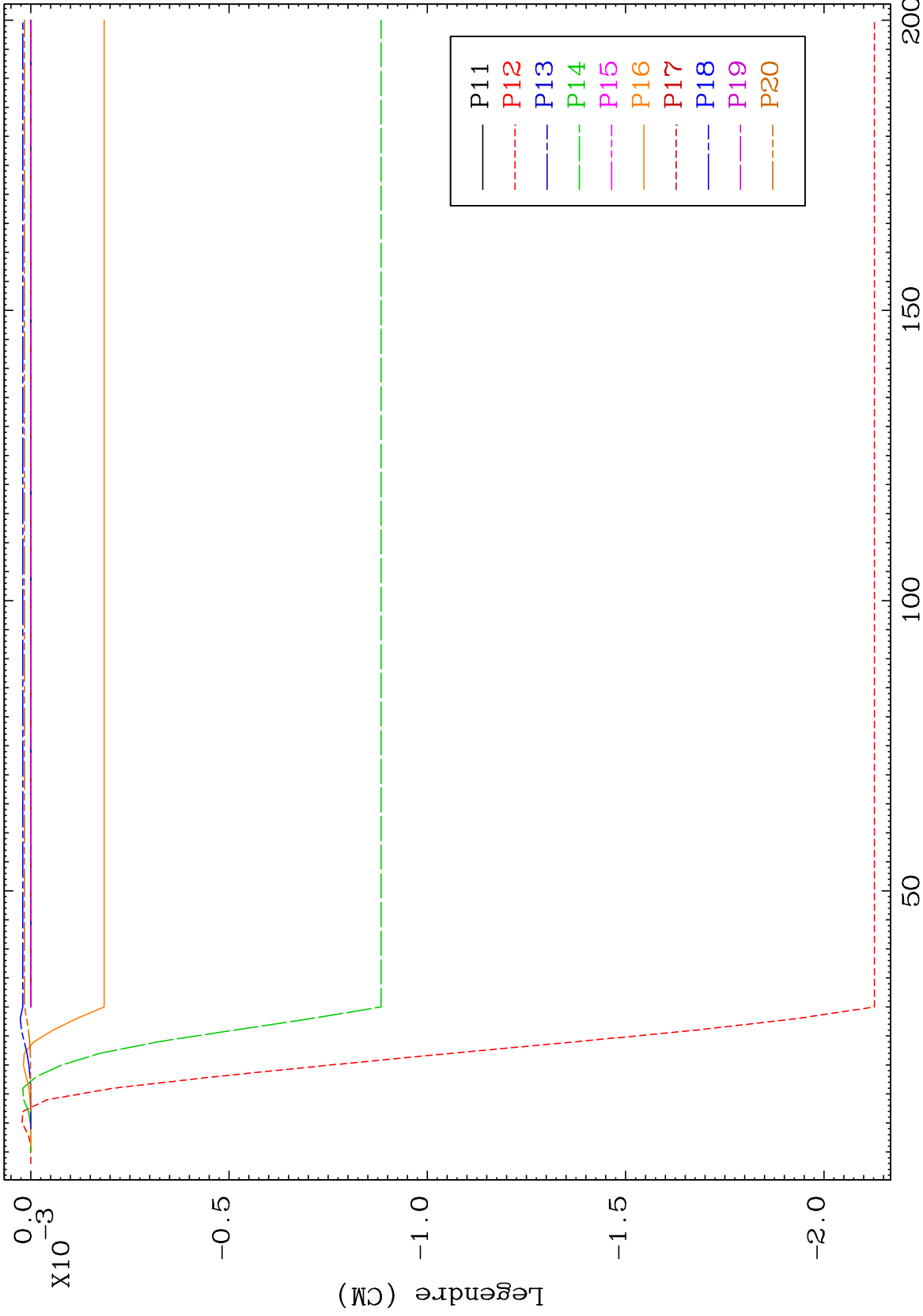


97 Incident Energy (MeV) 70-Yb-171

MAT 7034

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

70-Yb-171

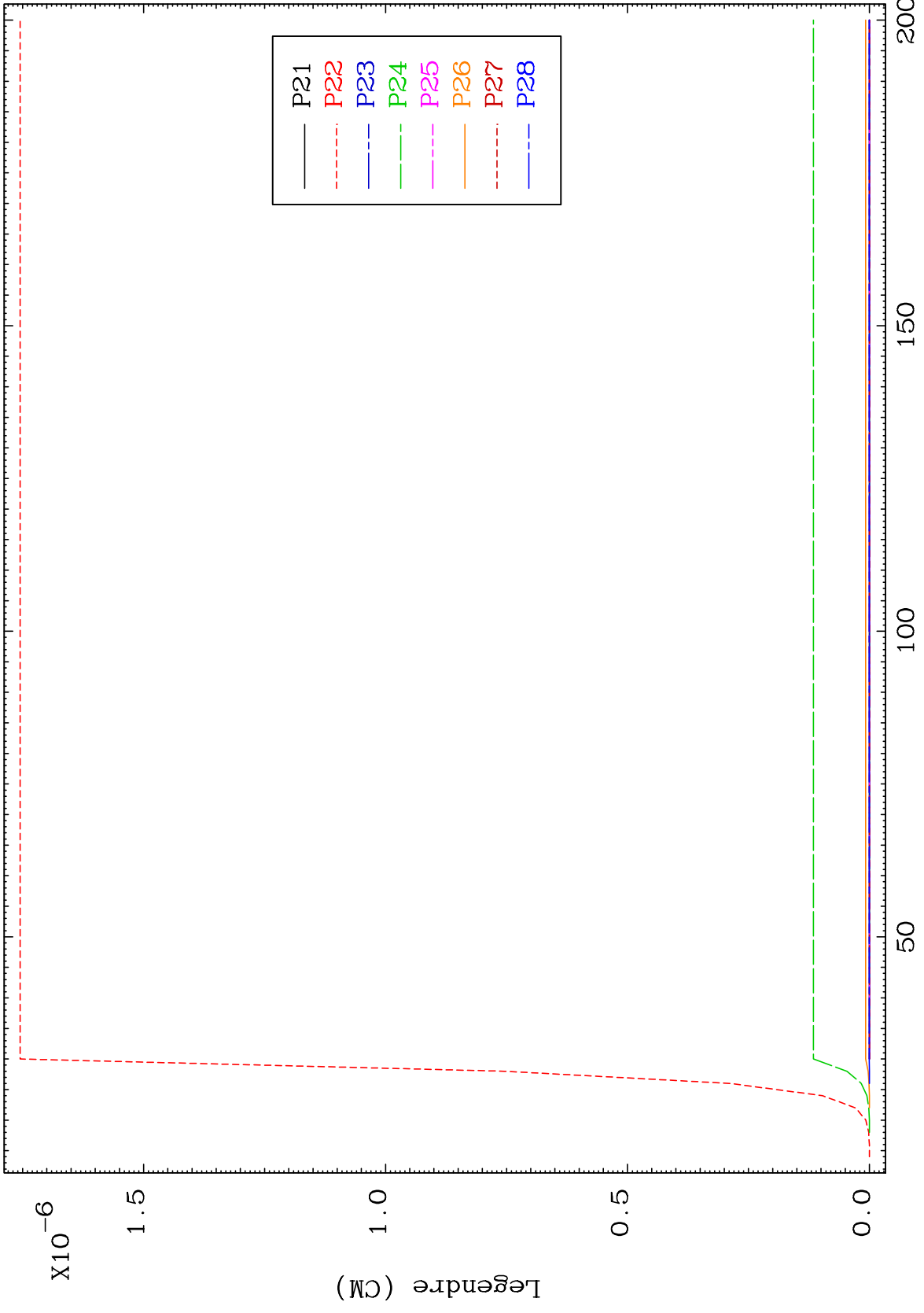


98

Incident Energy (MeV)

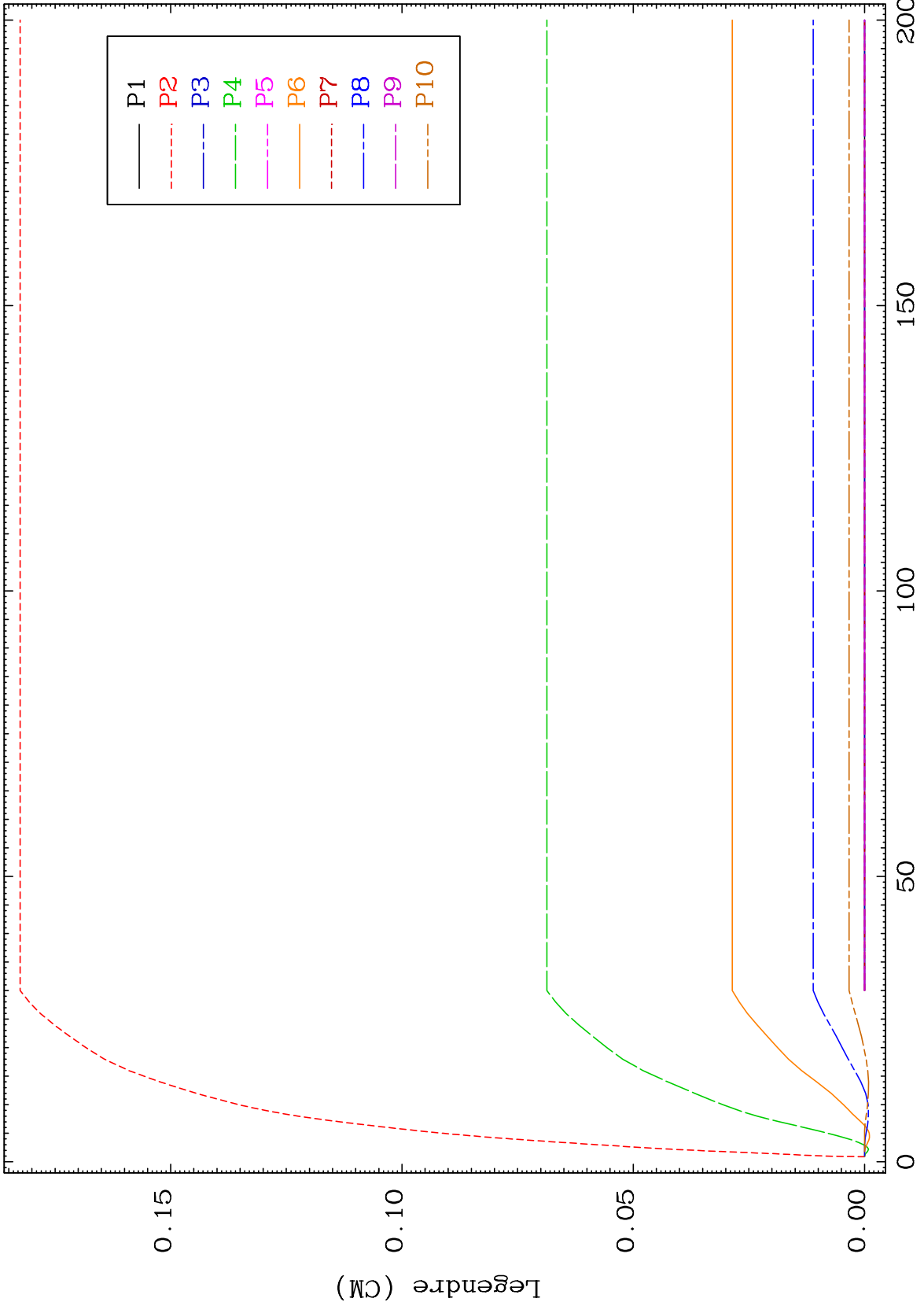
70-Yb-171

MAT 7034 MT= 74 (n,n') Level Legendre Coefficients 70-Yb-171



99 70-Yb-171

MAT 7034 MT= 75 (n,n') Level Legendre Coefficients 70-Yb-171

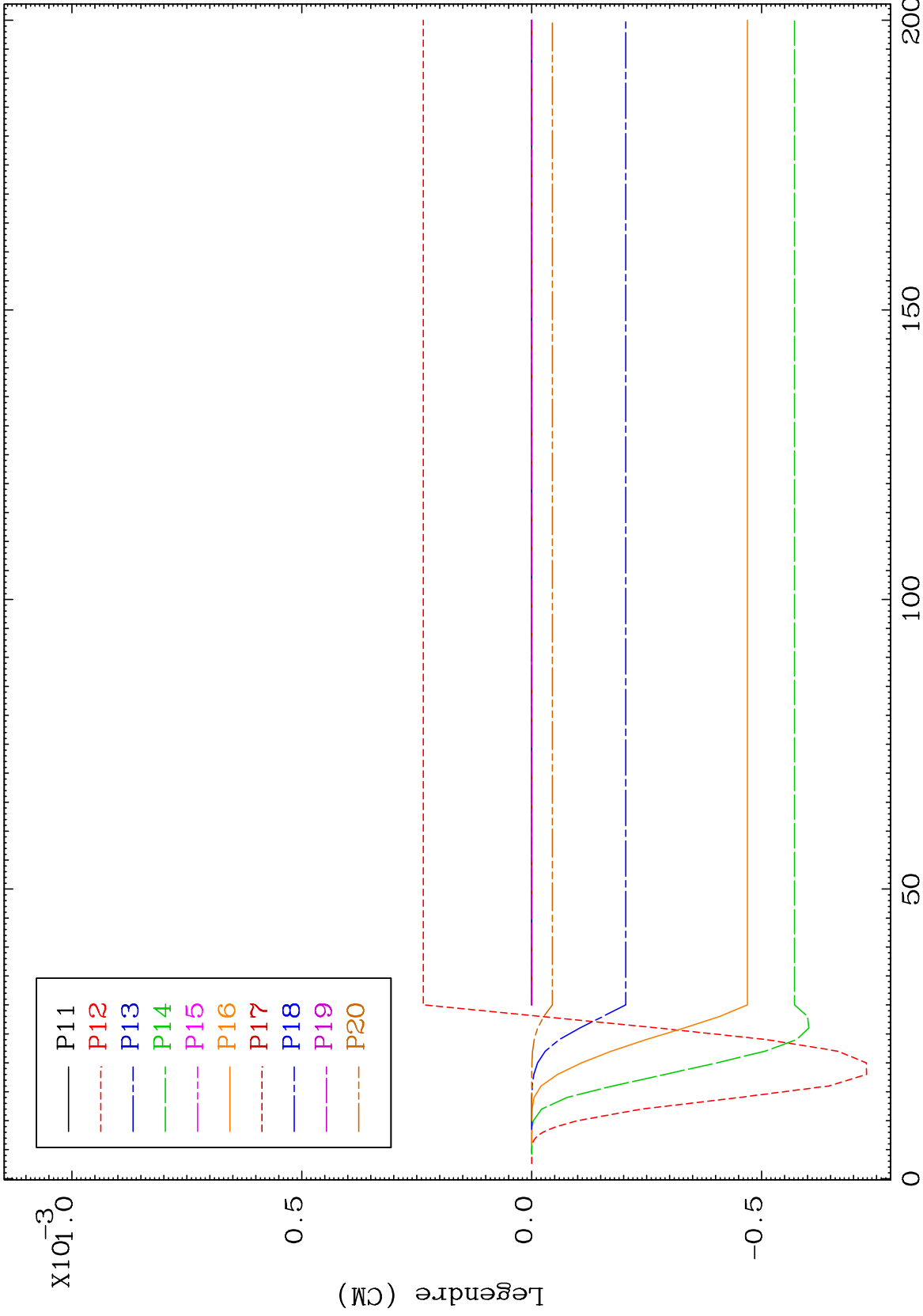


Incident Energy (MeV) 70-Yb-171

MAT 7034

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

70-Yb-171

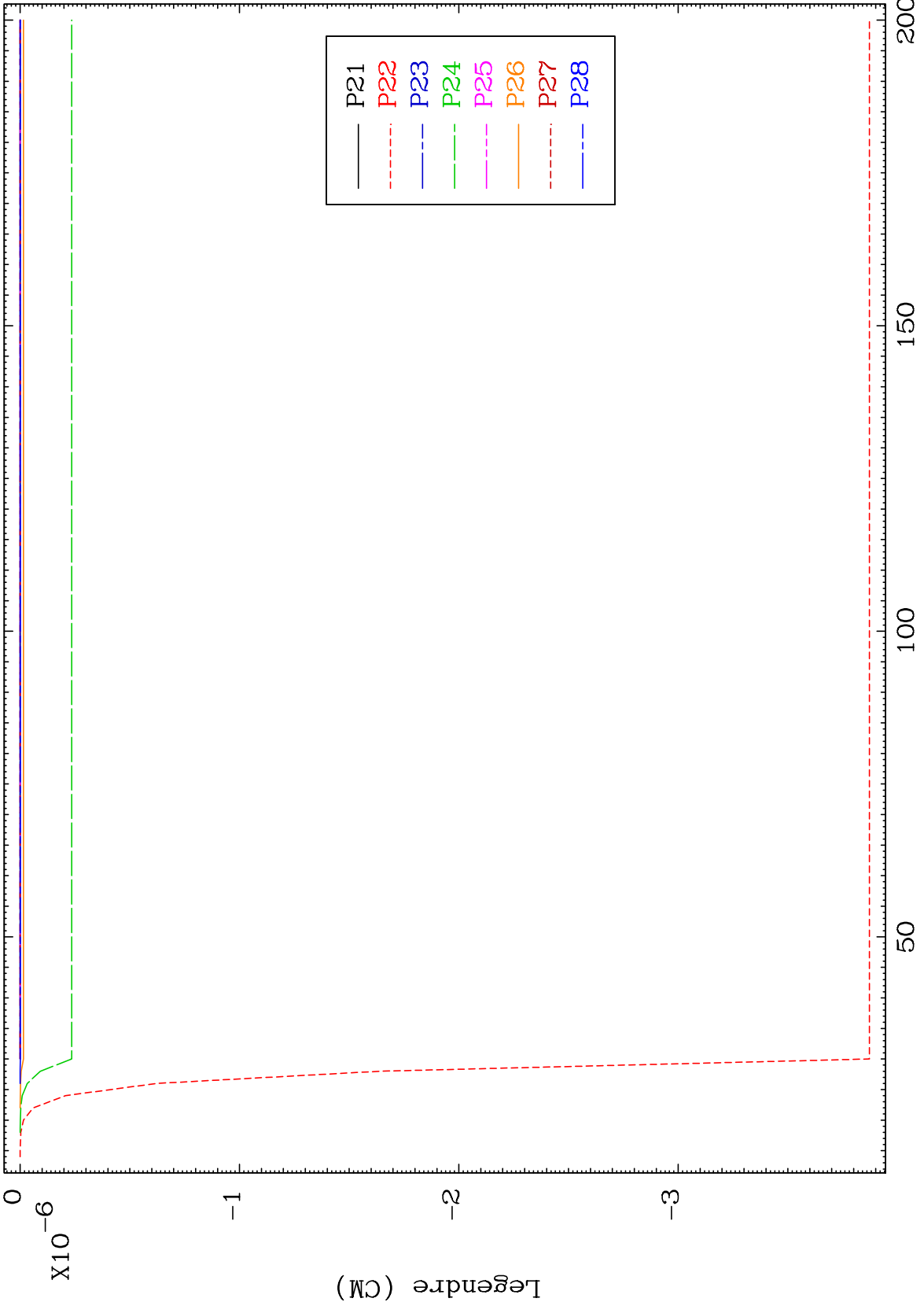


101

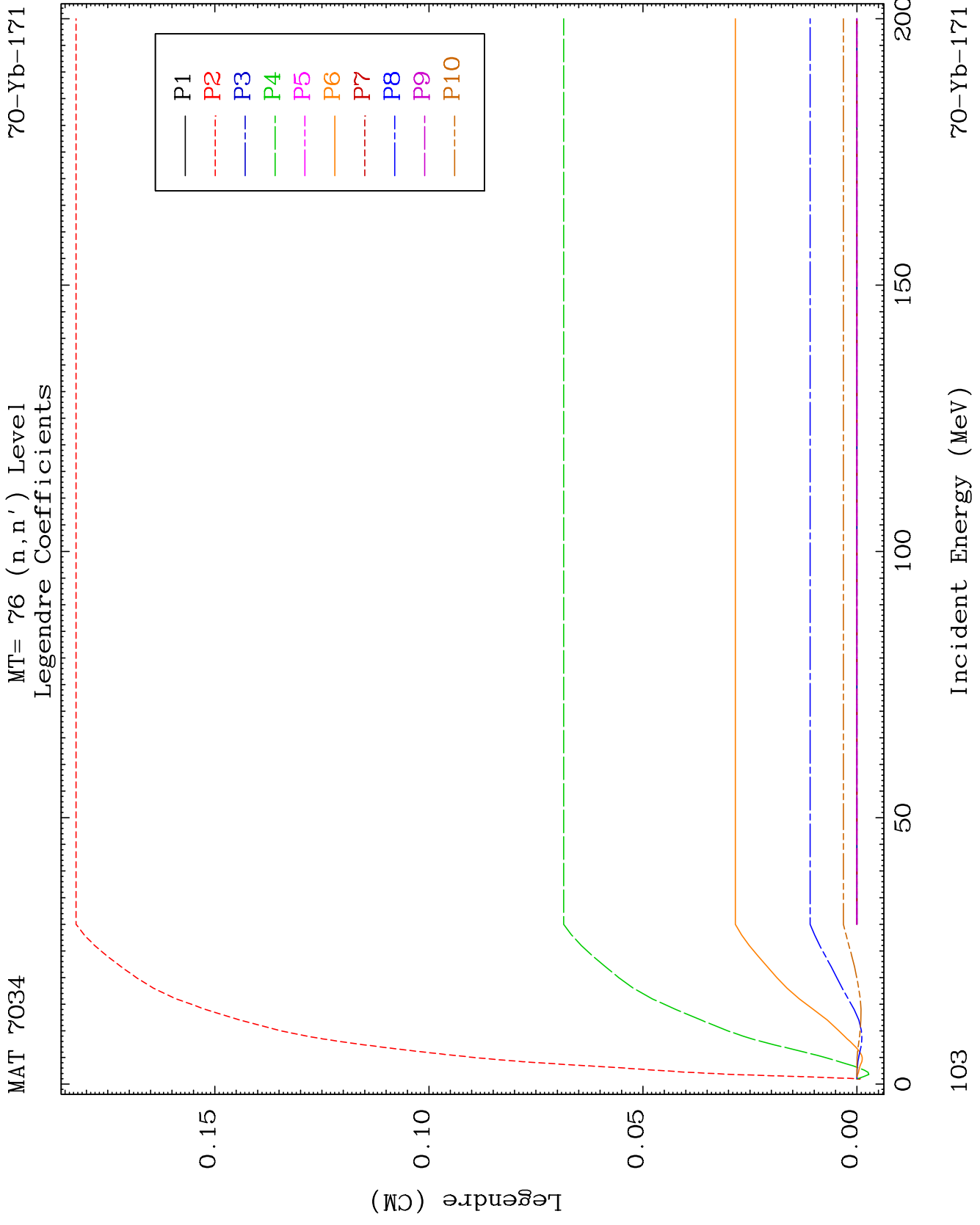
Incident Energy (MeV)

70-Yb-171

MAT 7034 MT= 75 (n,n') Level Legendre Coefficients 70-Yb-171



102 70-Yb-171

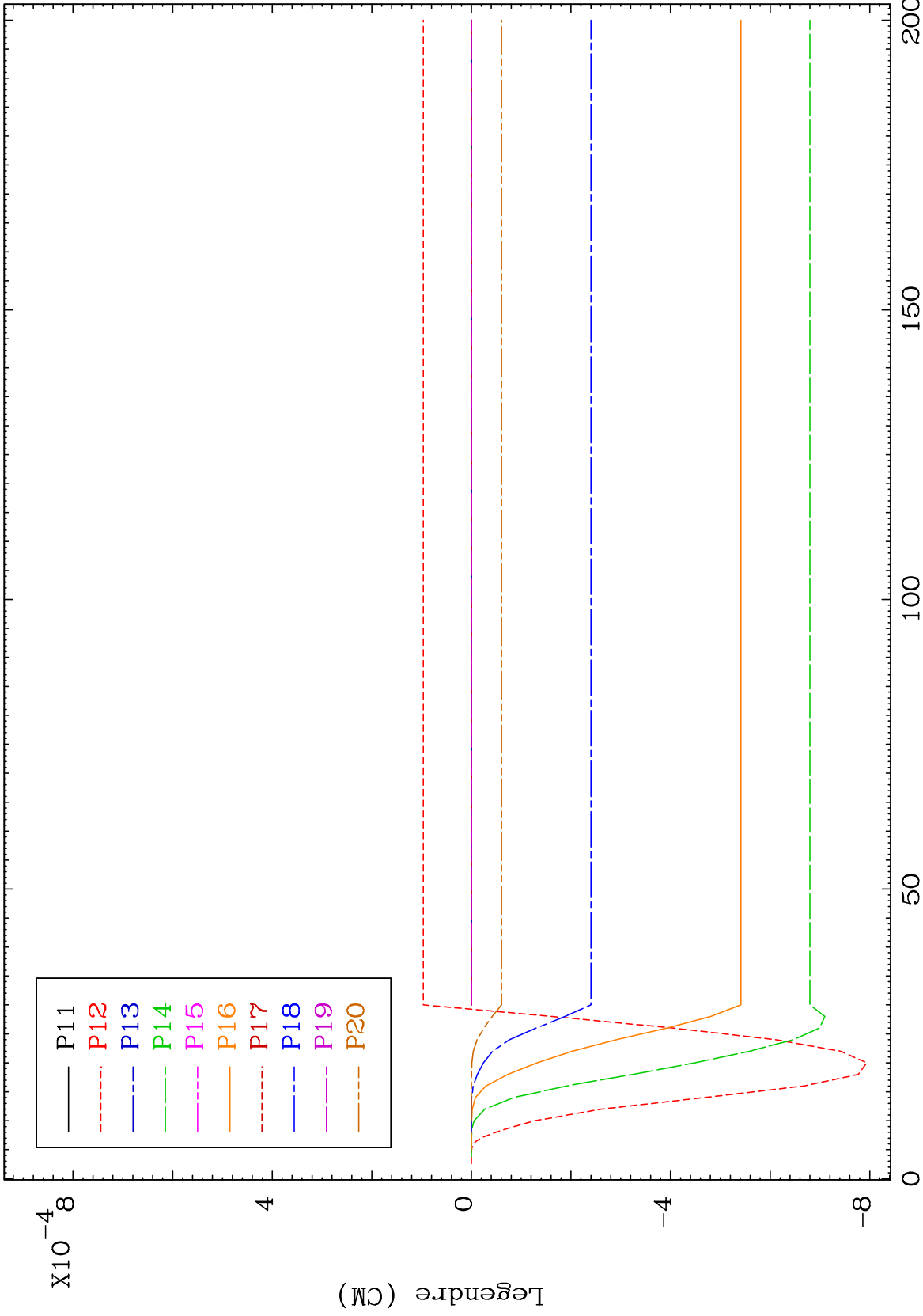




MAT 7034

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

70-Yb-171

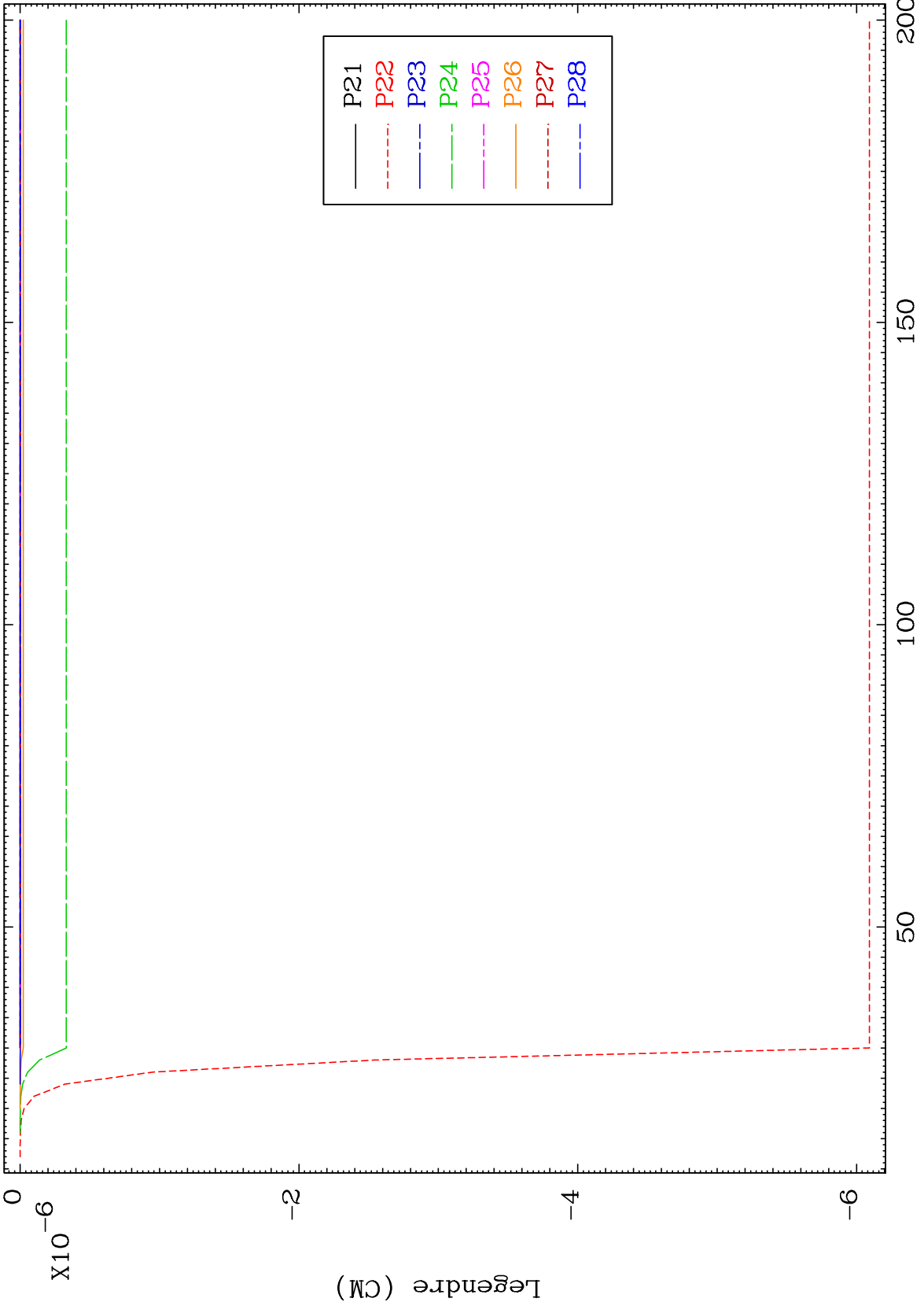


104

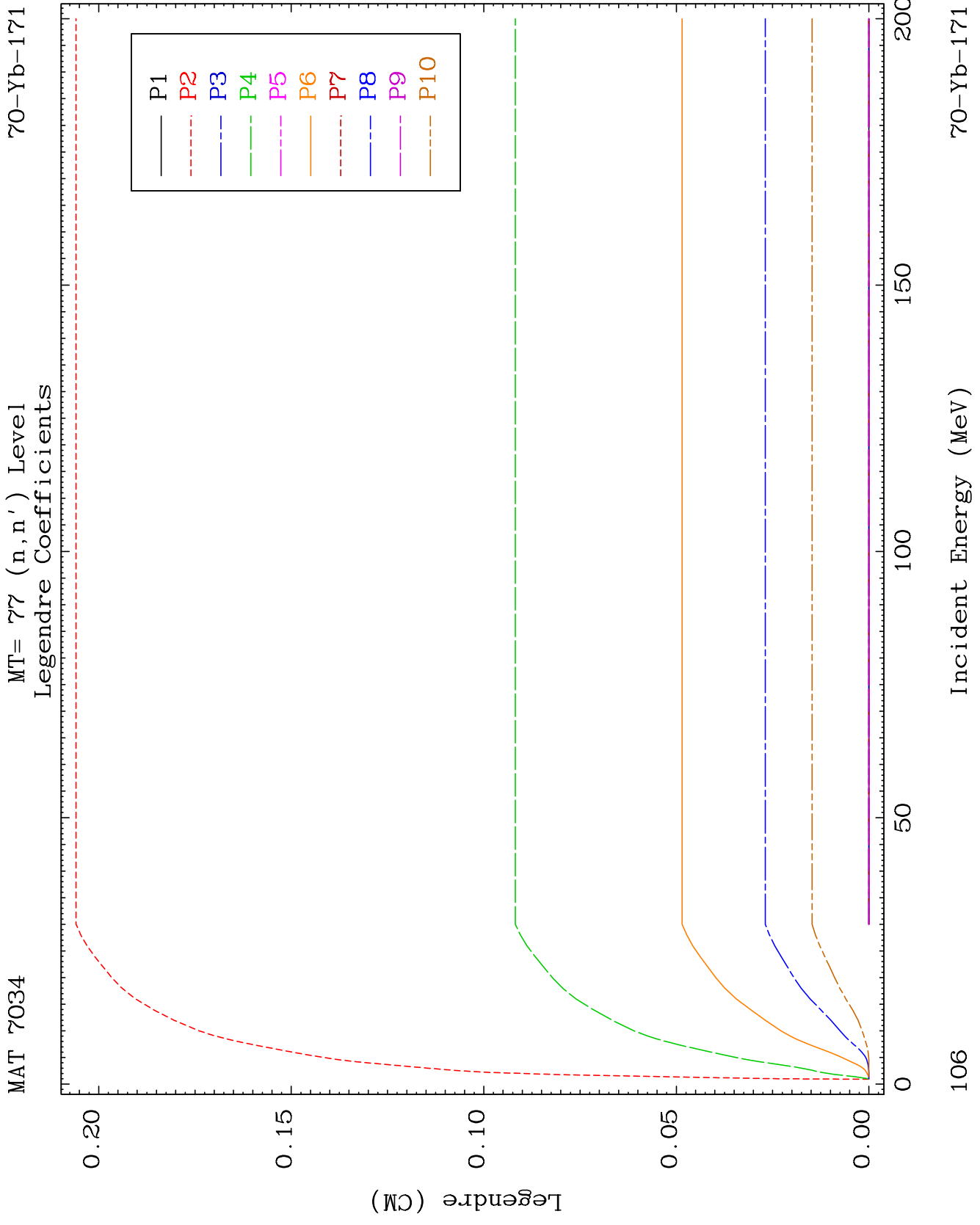
Incident Energy (MeV)

70-Yb-171

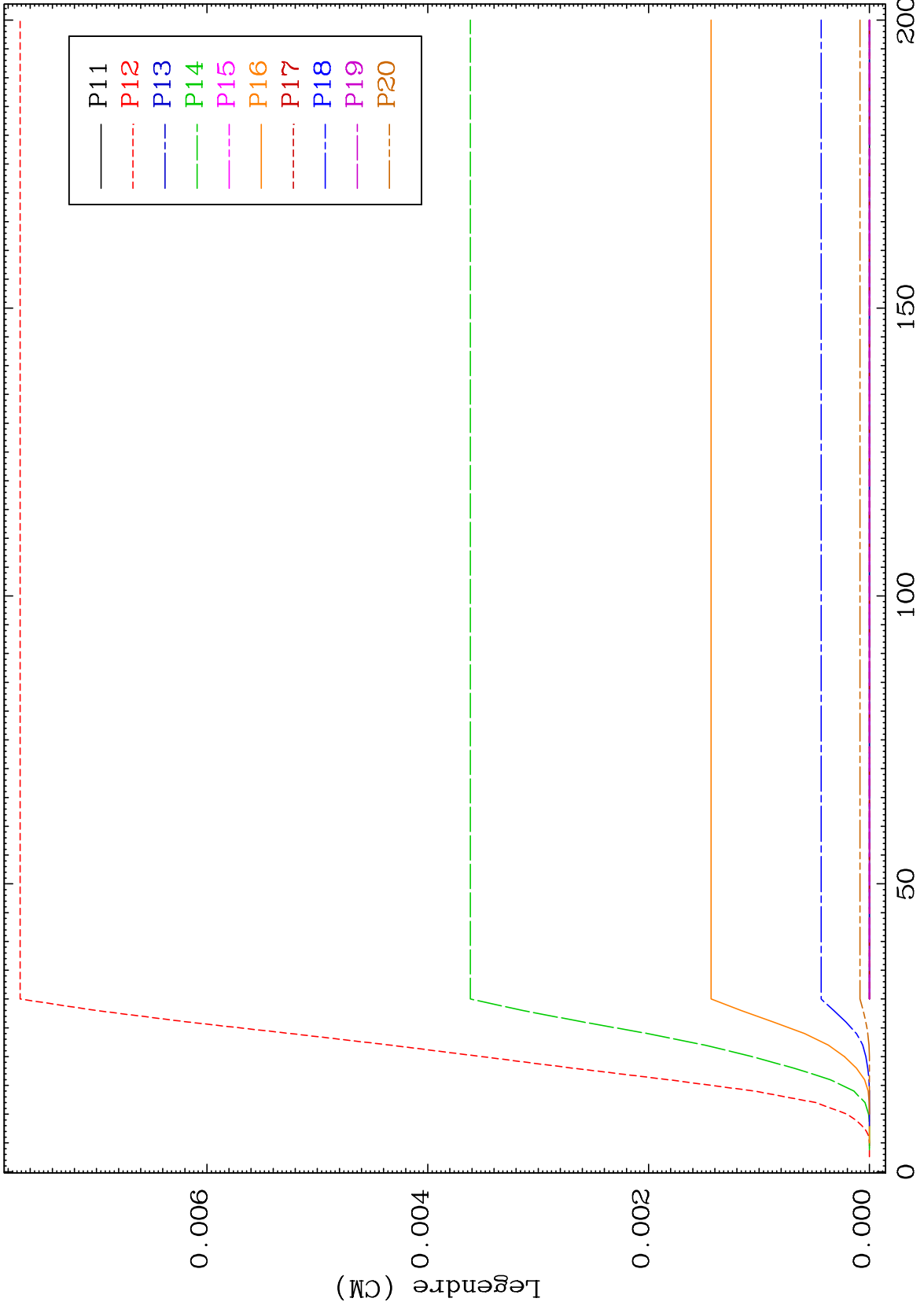
MAT 7034 MT= 76 (n,n') Level Legendre Coefficients 70-Yb-171



105 Incident Energy (MeV) 200 70-Yb-171

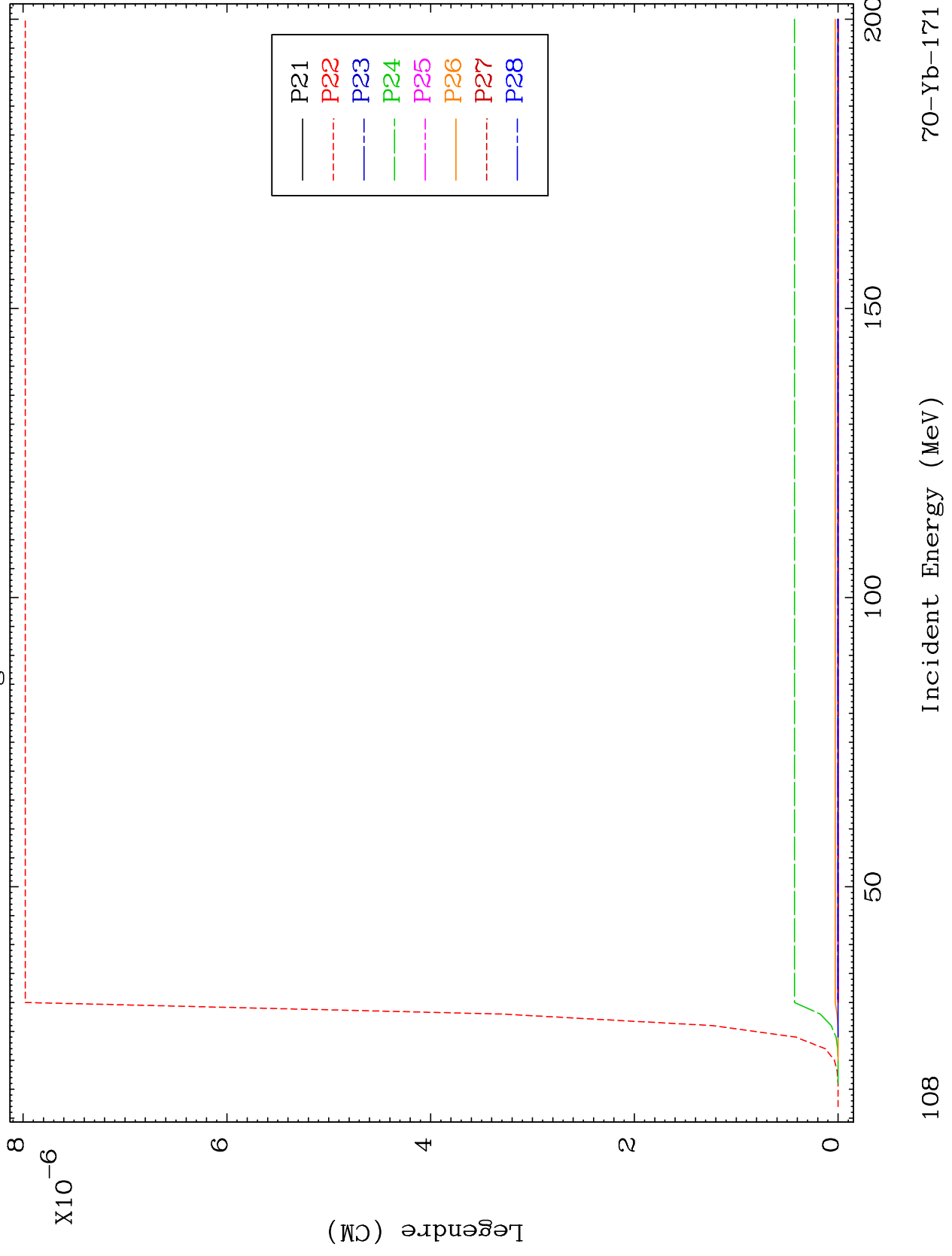


MAT 7034 MT= 77 (n,n') Level Legendre Coefficients 70-Yb-171



107 Incident Energy (MeV) 70-Yb-171

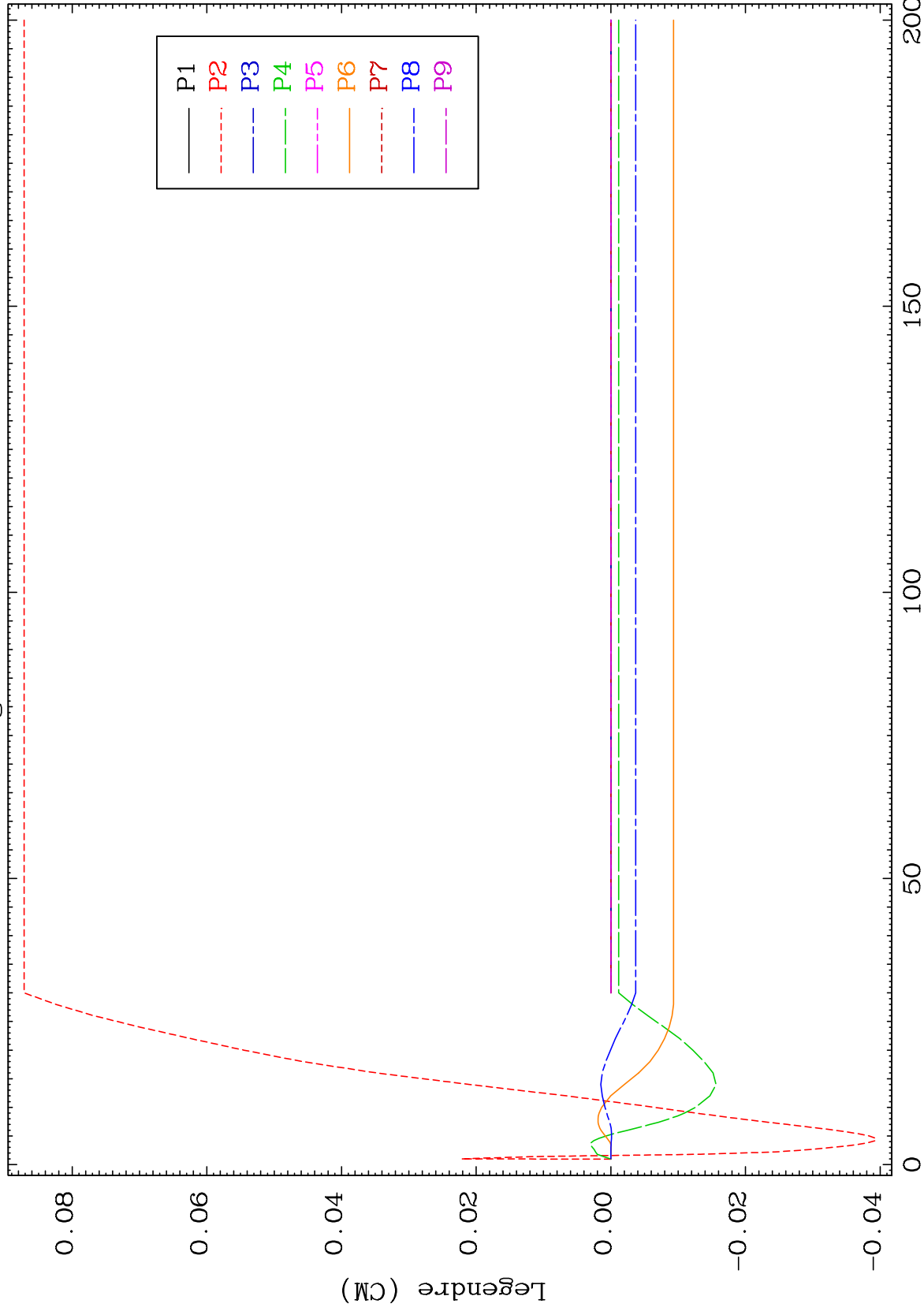
MAT 7034 MT= 77 (n,n') Level Legendre Coefficients 70-Yb-171



MAT 7034

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

70-Yb-171

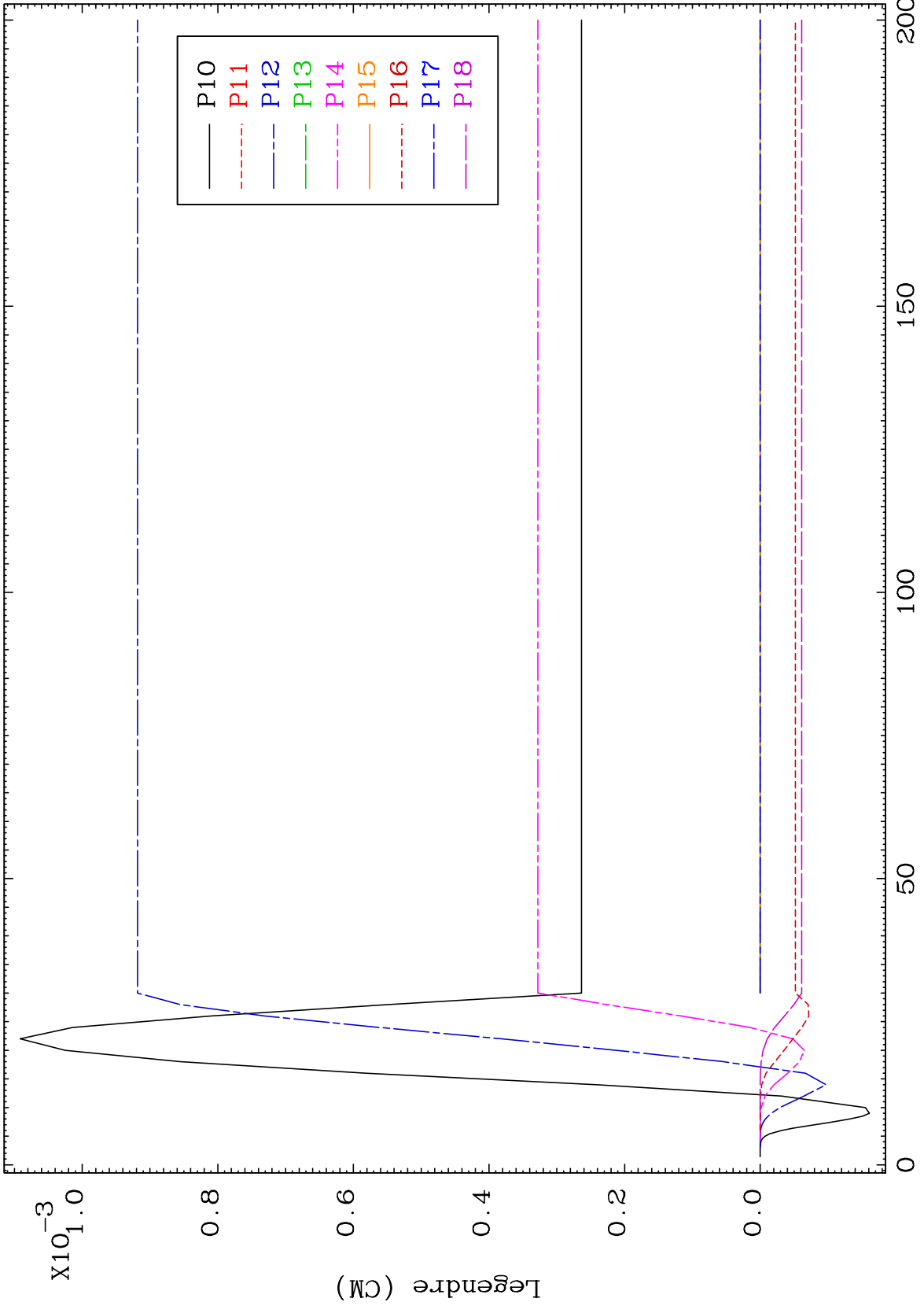


109

Incident Energy (MeV)

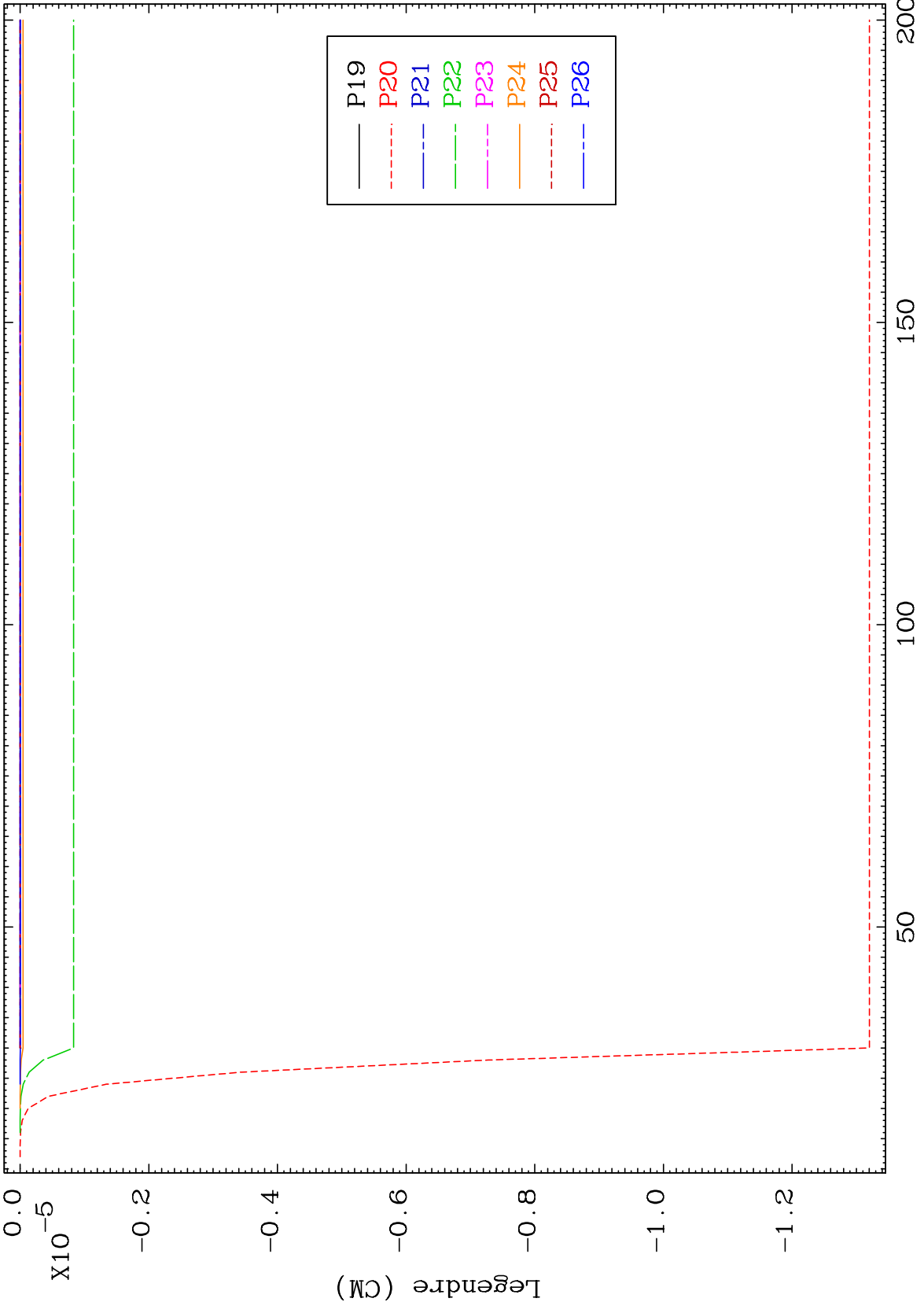
70-Yb-171

MAT 7034 MT= 78 (n,n') Level Legendre Coefficients 70-Yb-171



110 70-Yb-171

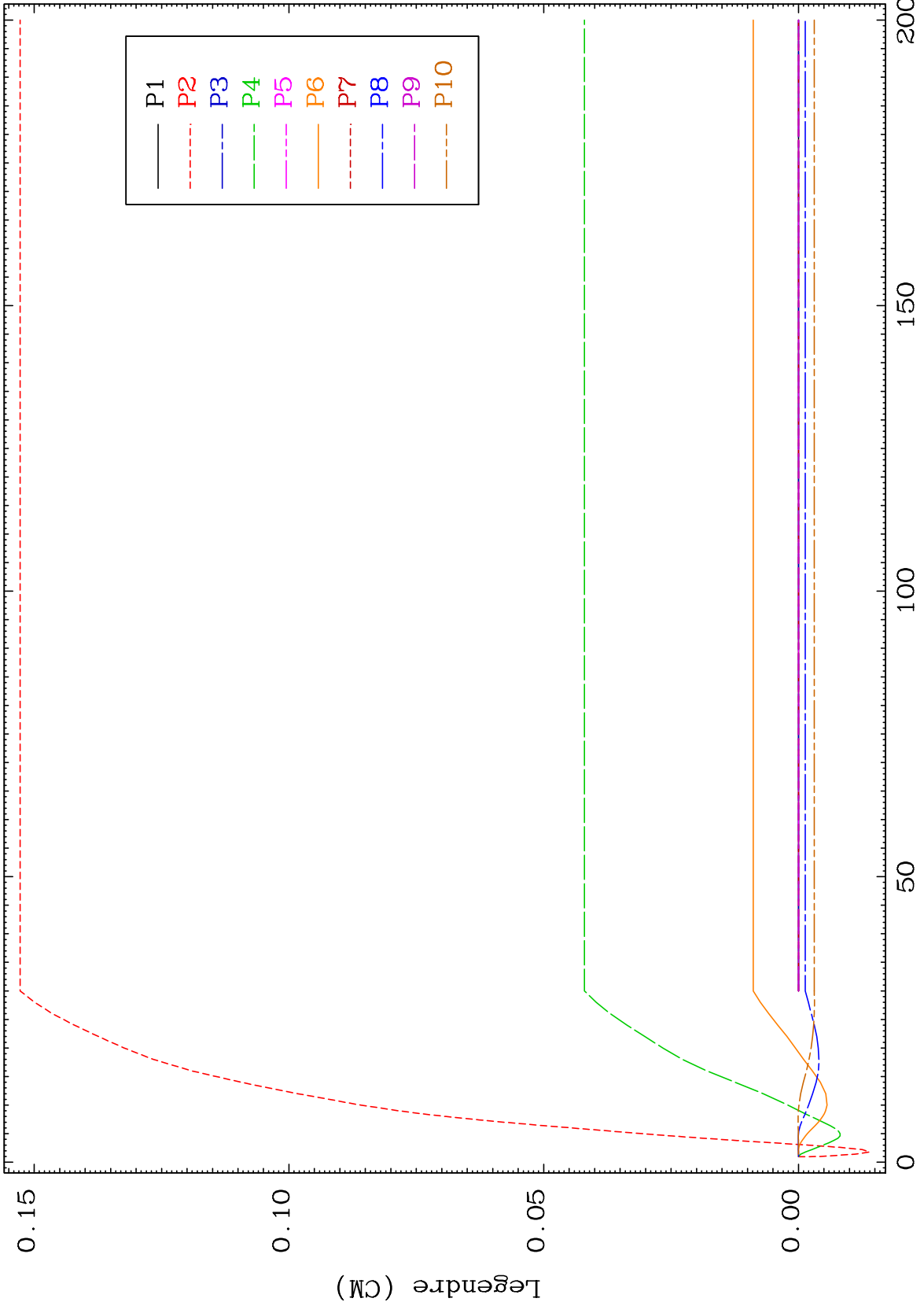
MAT 7034 MT= 78 (n,n') Level Legendre Coefficients 70-Yb-171



111 70-Yb-171



MAT 7034 MT= 79 (n,n') Level Legendre Coefficients 70-Yb-171

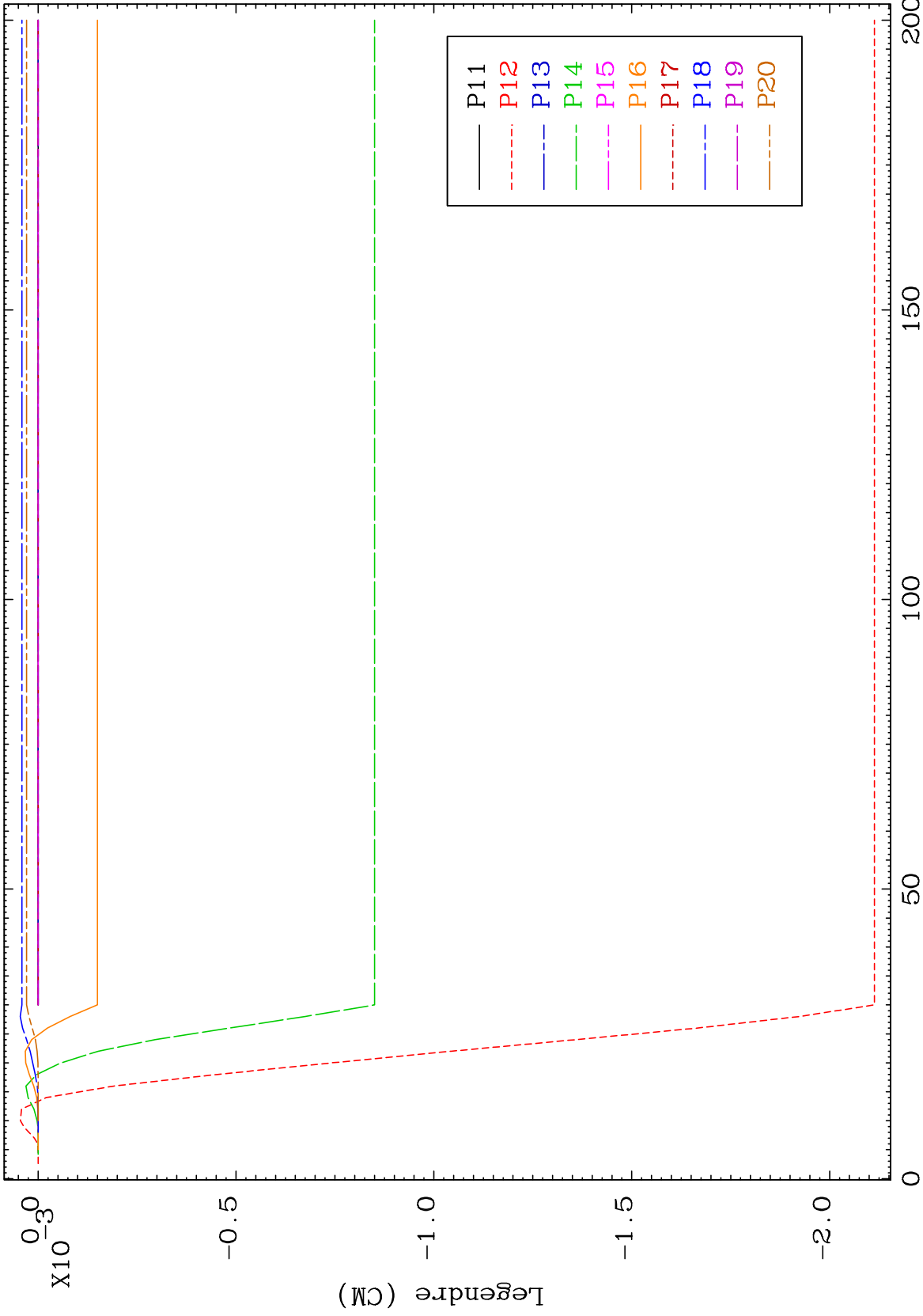


112 70-Yb-171

MAT 7034

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

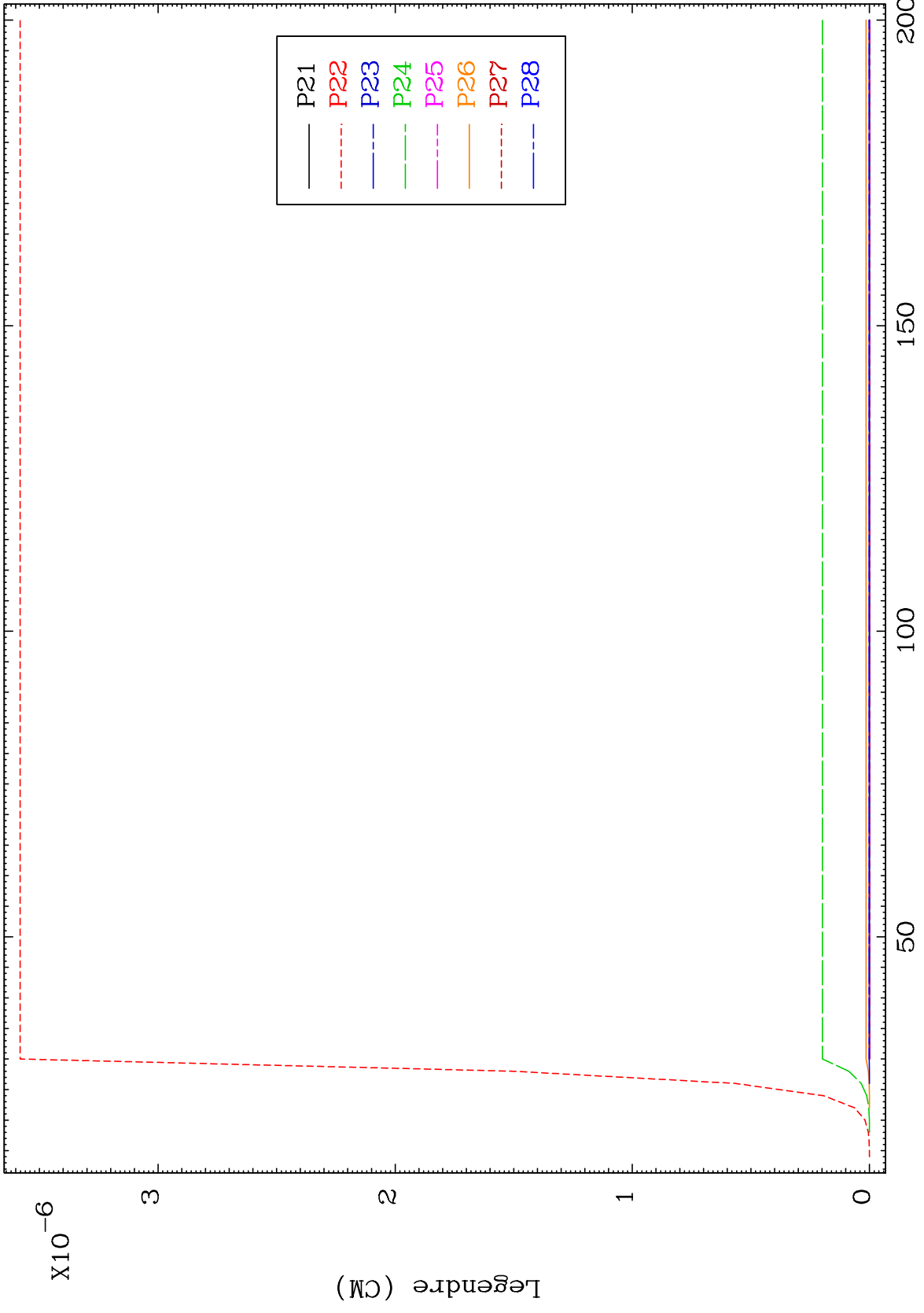
70-Yb-171



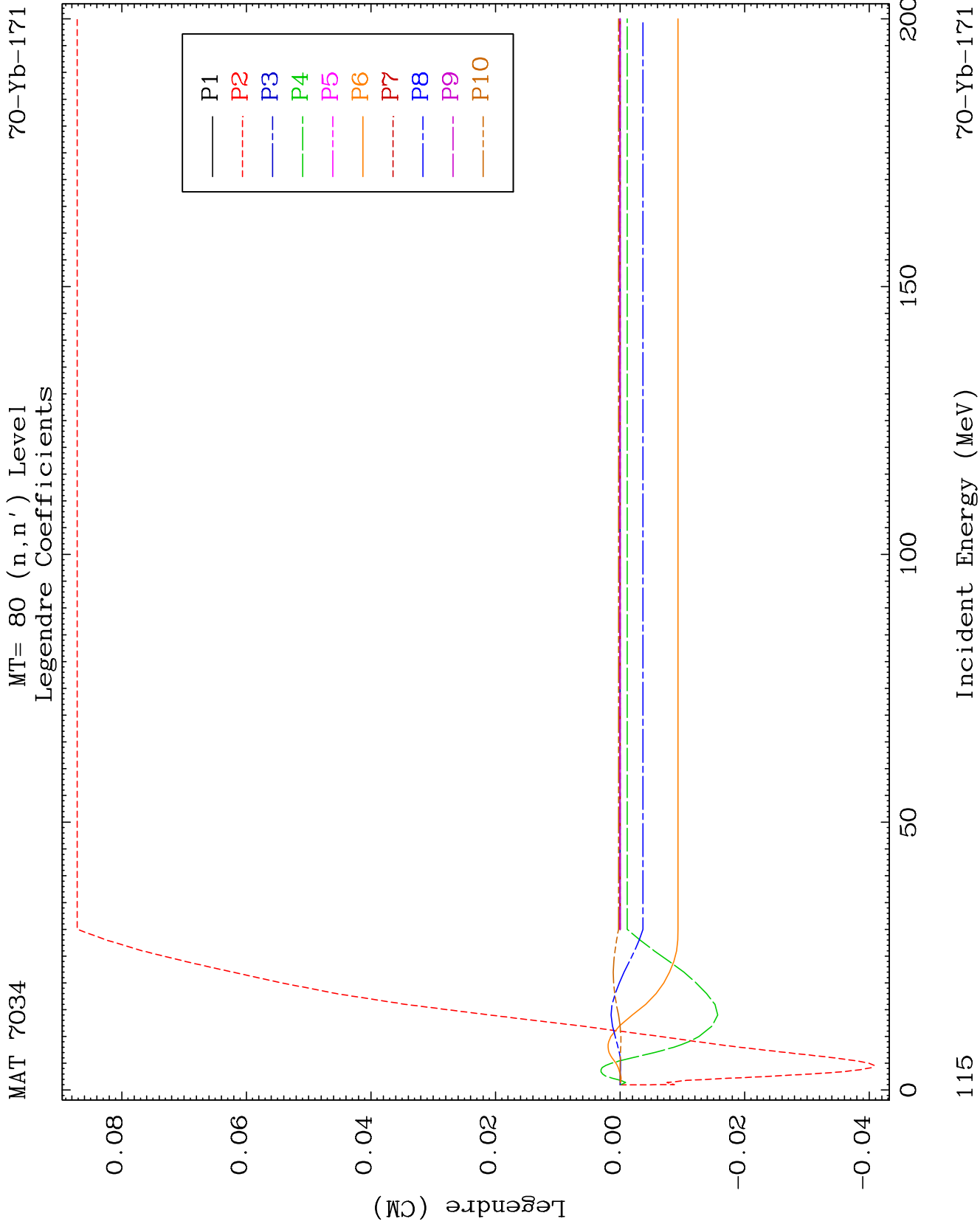
113

70-Yb-171

MAT 7034 MT= 79 (n,n') Level Legendre Coefficients 70-Yb-171



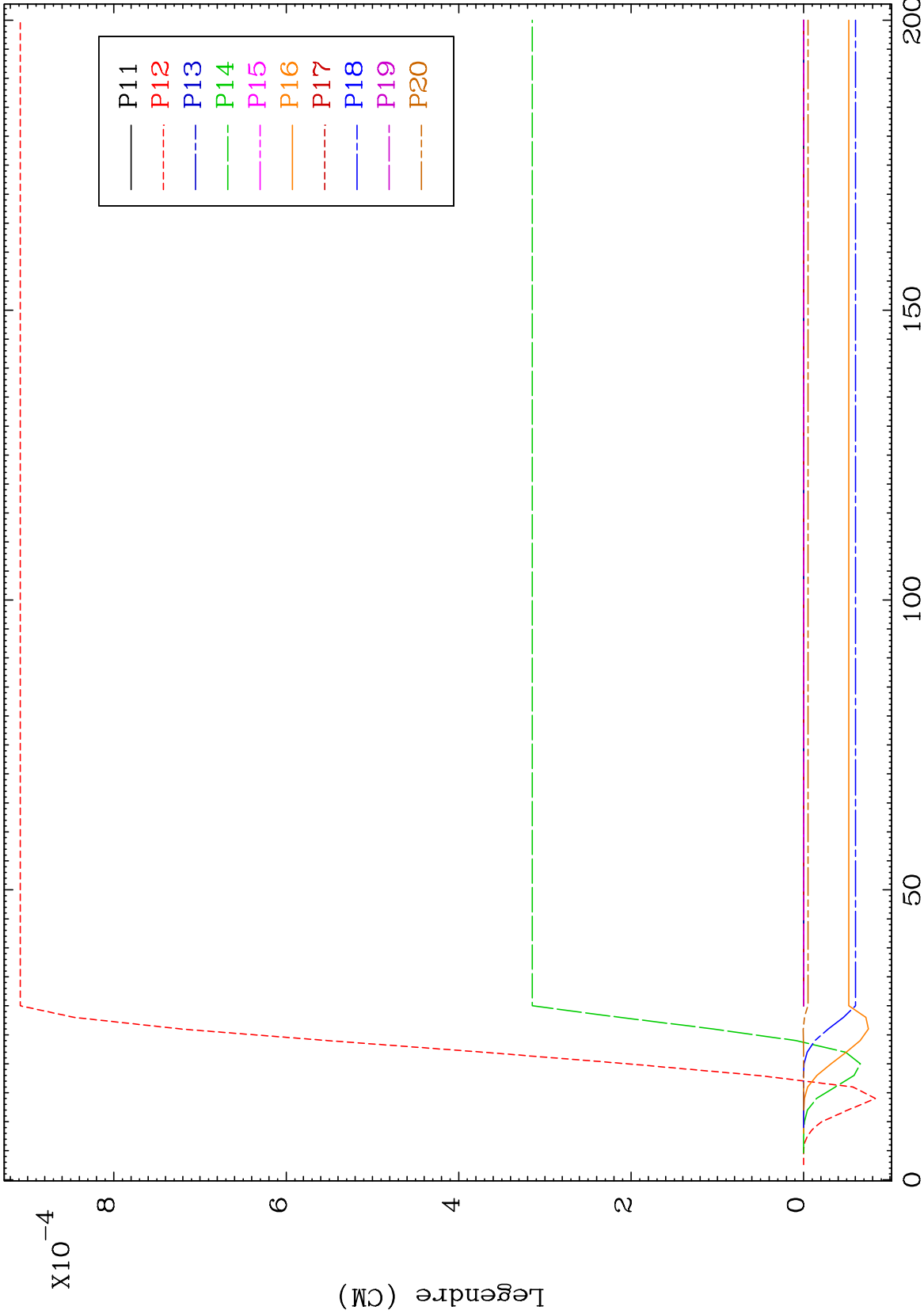
114 70-Yb-171



MAT 7034

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

70-Yb-171

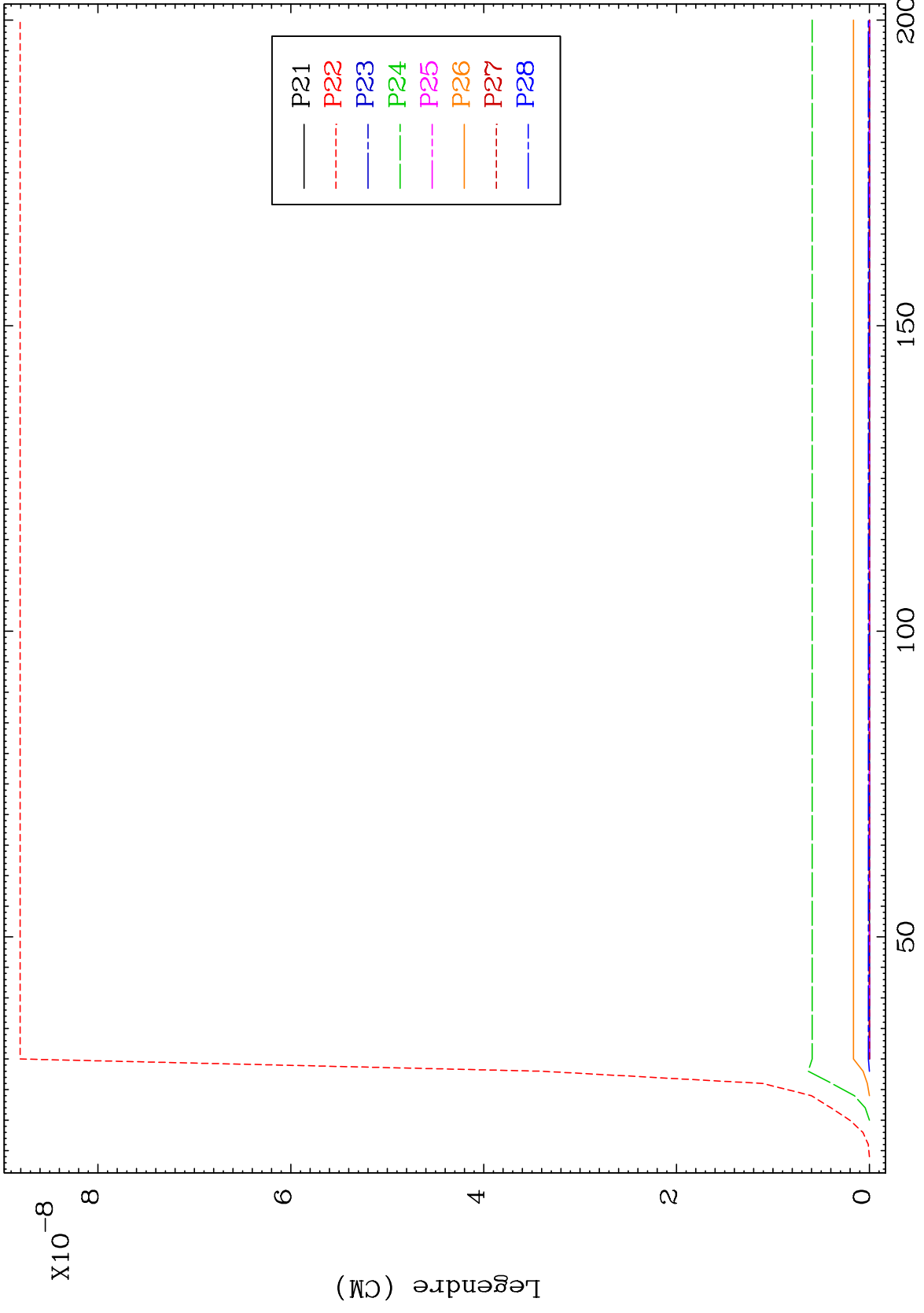


116

Incident Energy (MeV)

70-Yb-171

MAT 7034 MT= 80 (n, n') Level Legendre Coefficients 70-Yb-171



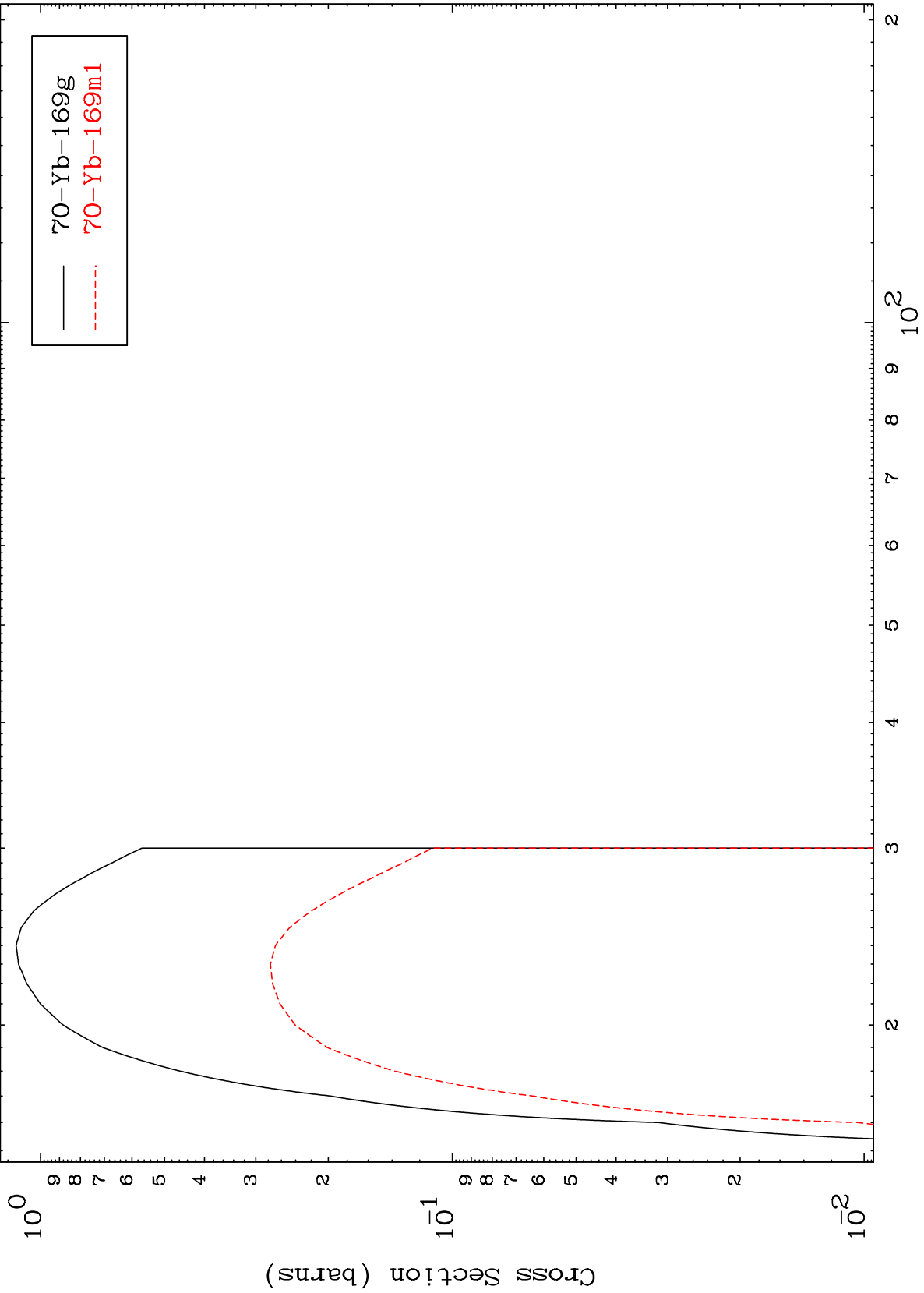
117 70-Yb-171

MAT 7034

(n,3n)

70-Yb-171

Radionuclide Production Cross Section



70-Yb-169g  
70-Yb-169m1

118

Incident Energy (MeV)

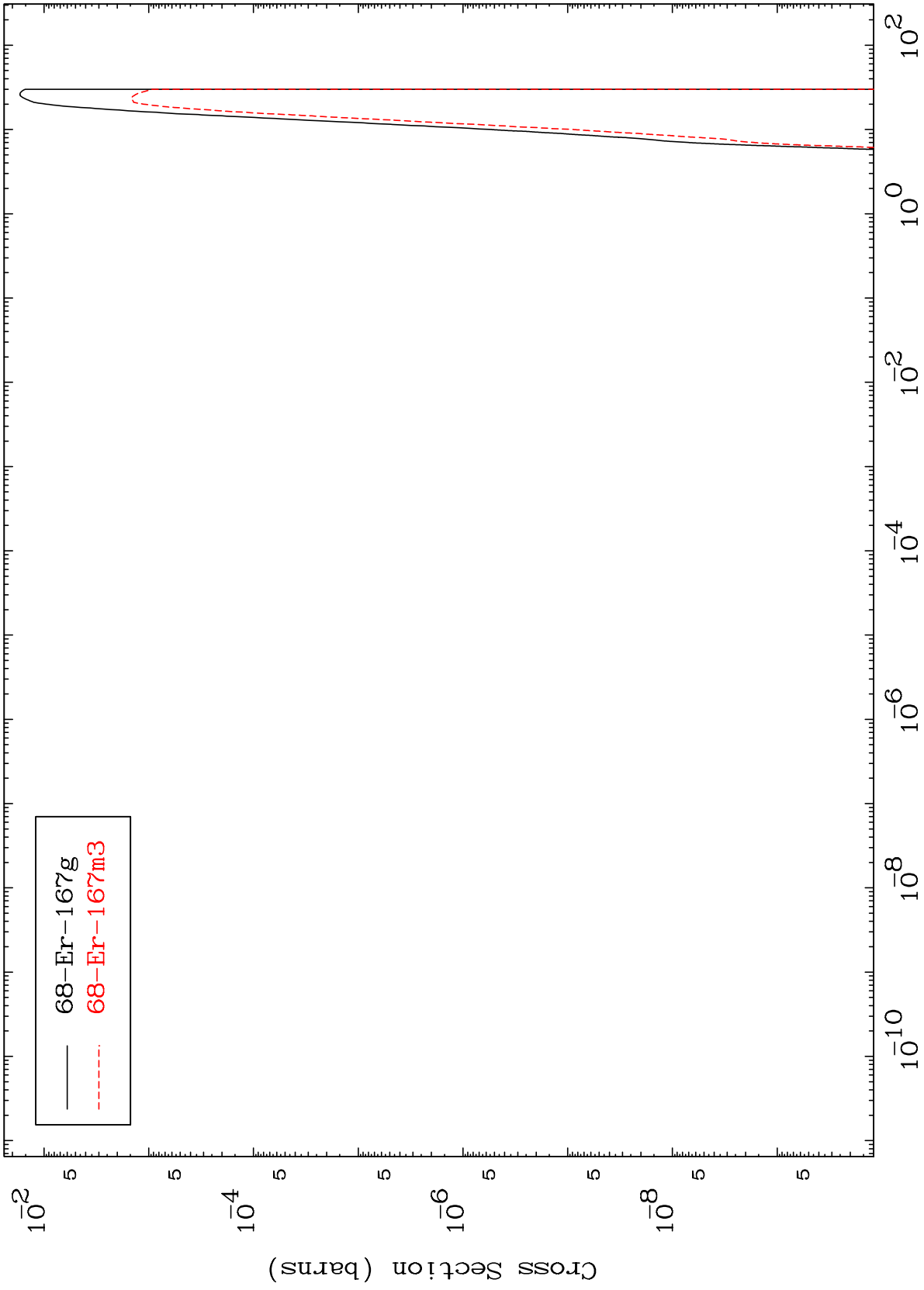
70-Yb-171

MAT 7034

(n,n')  $\alpha$

70-Yb-171

Radionuclide Production Cross Section



119

Incident Energy (MeV)

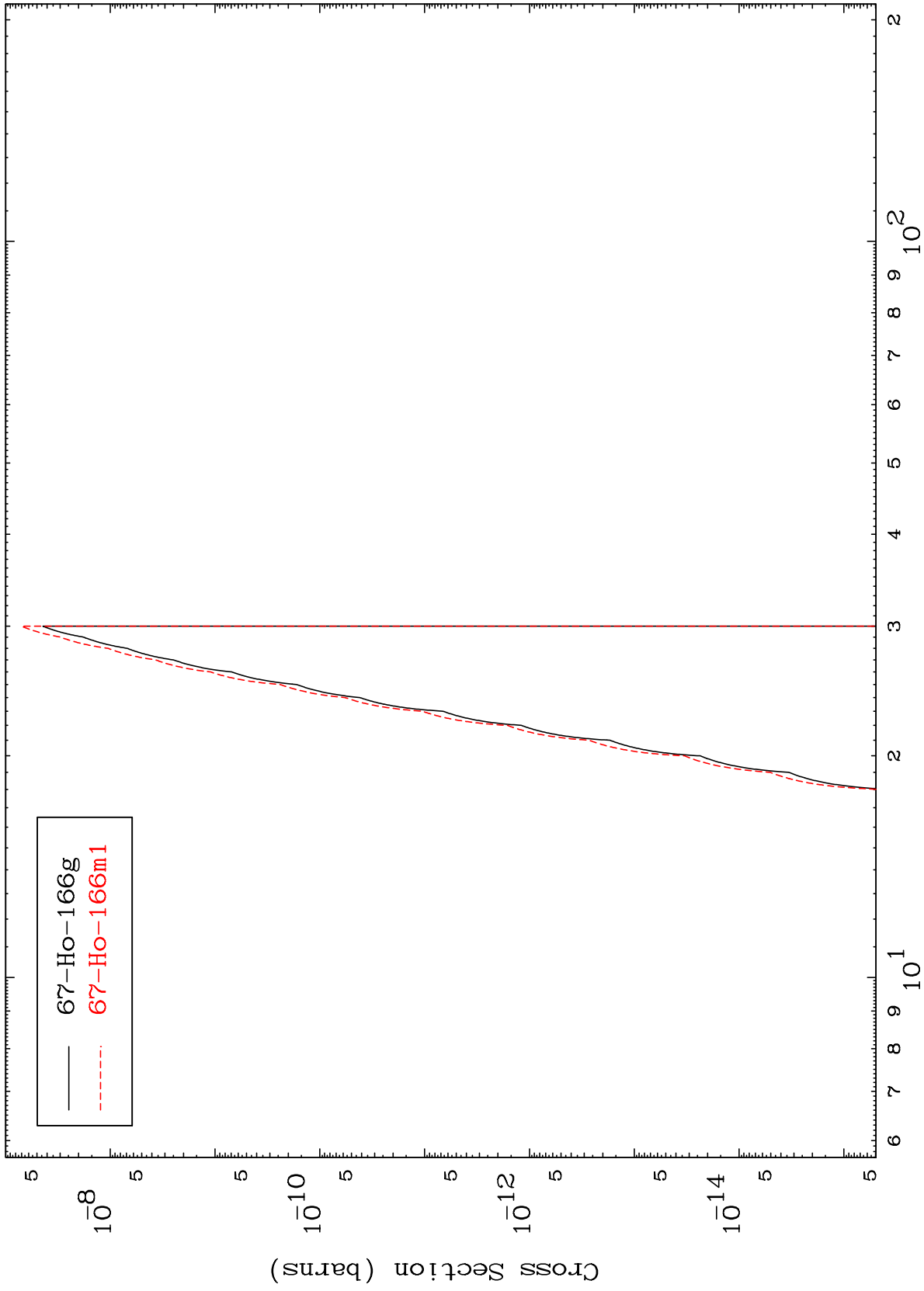
70-Yb-171



MAT 7034

70-Yb-171

(n,n') p  $\alpha$   
Radionuclide Production Cross Section



120

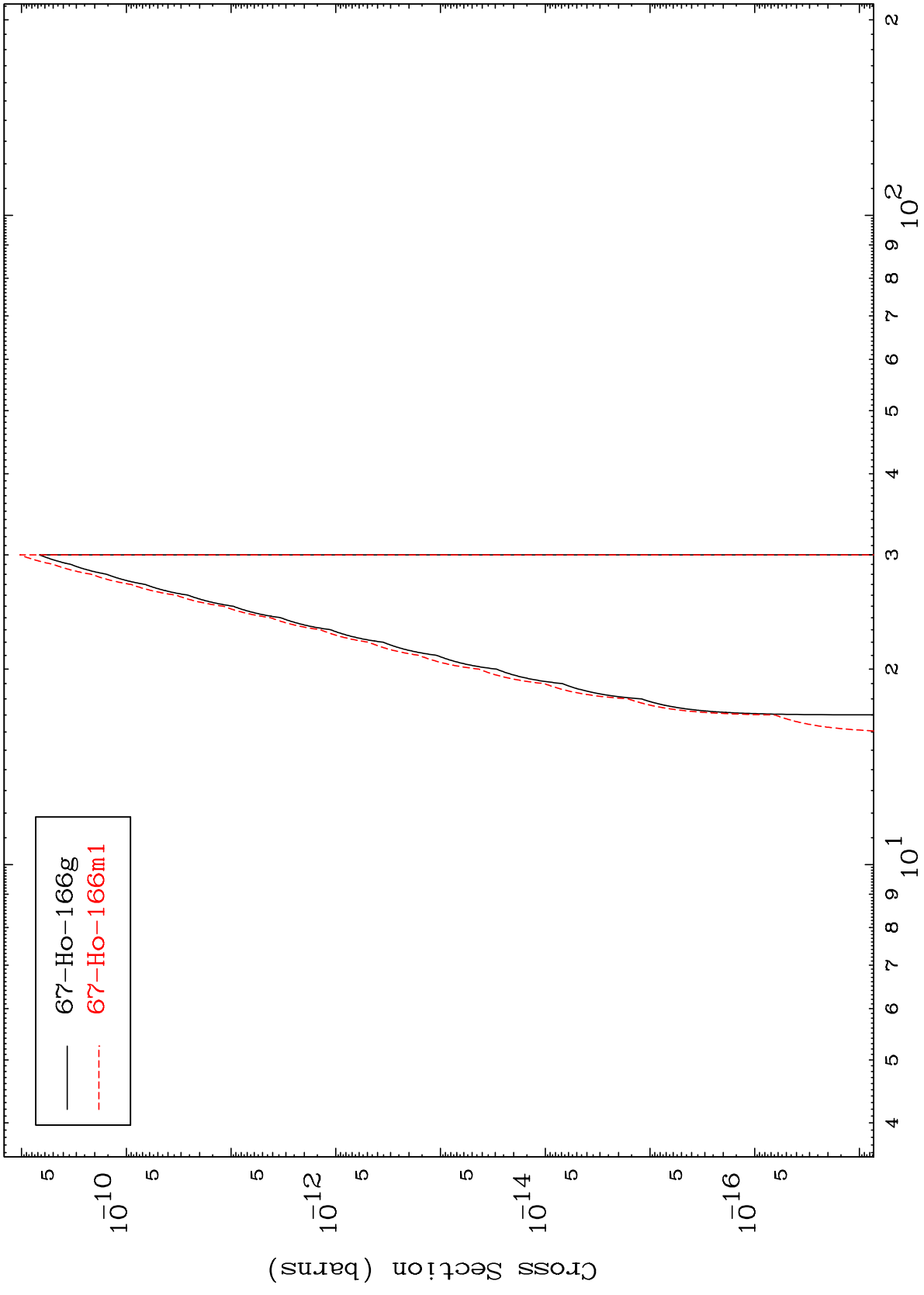
70-Yb-171

MAT 7034

(n,d)  $\alpha$

70-Yb-171

Radionuclide Production Cross Section



121

Incident Energy (MeV)

70-Yb-171