

Program EVALPLOT
(Version 2018-1)

by

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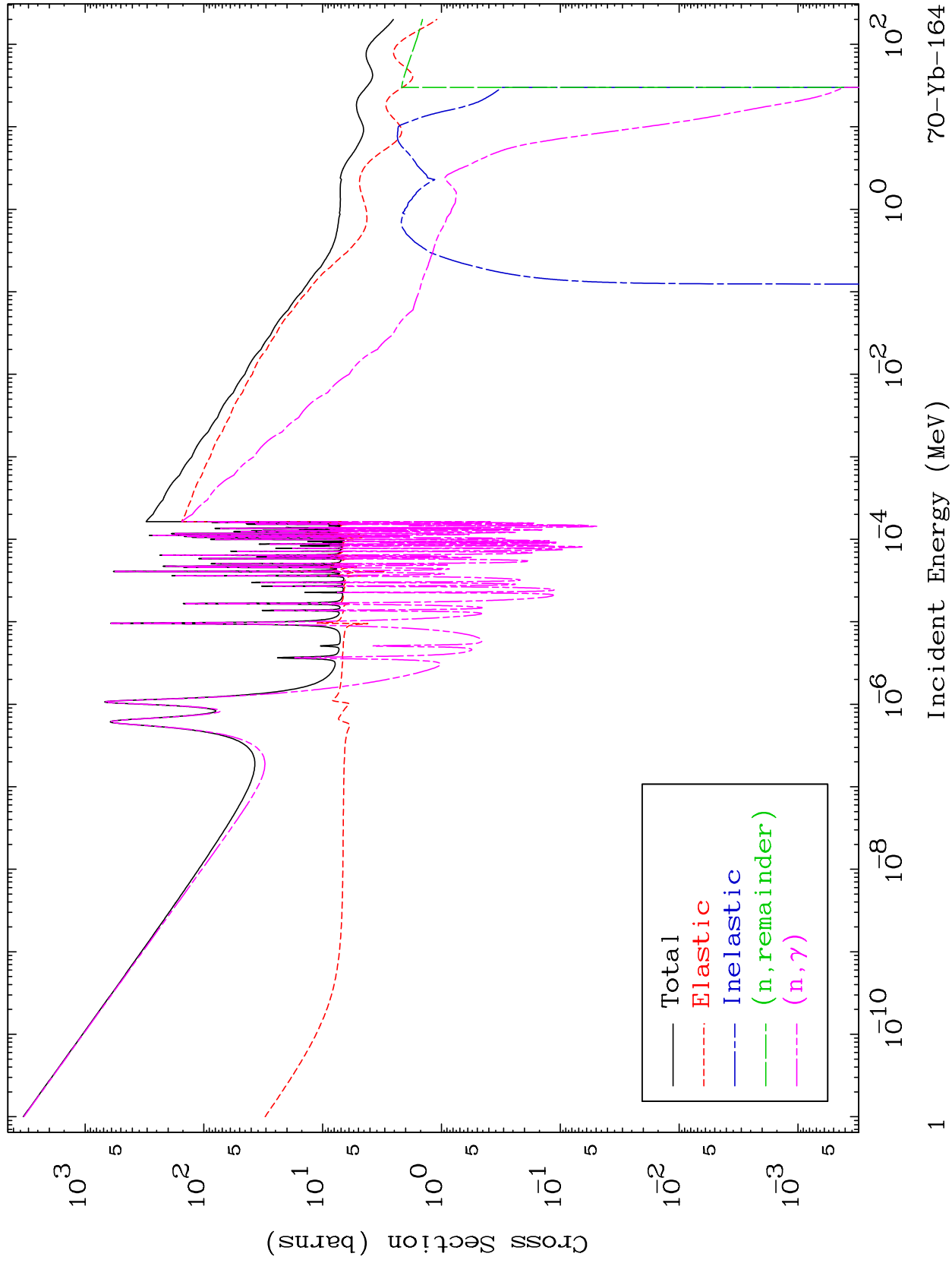
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7013

Major
293 Kelvin Cross Sections

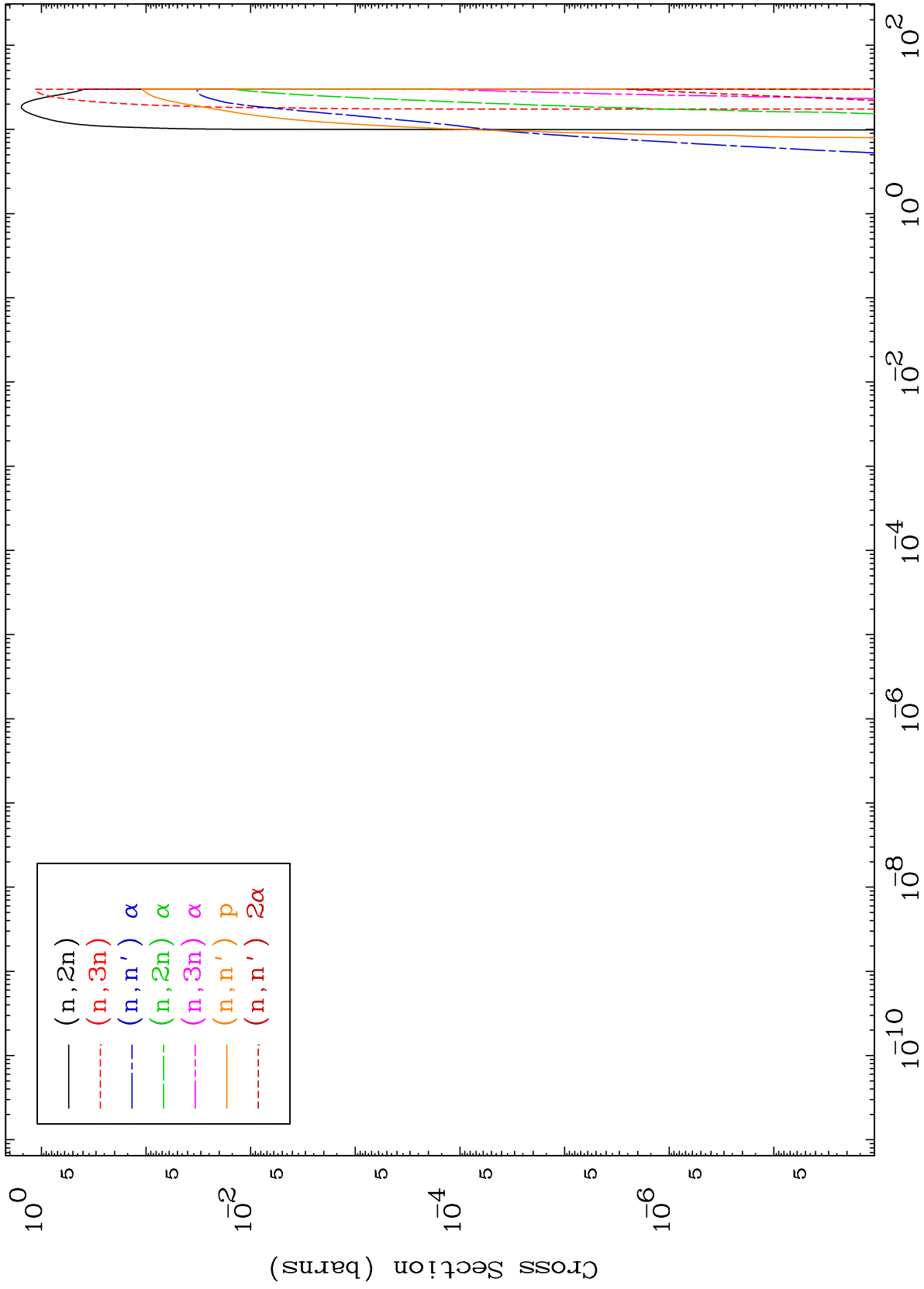
70-Yb-164



MAT 7013

Neutron Production
293 Kelvin Cross Sections

70-Yb-164



2

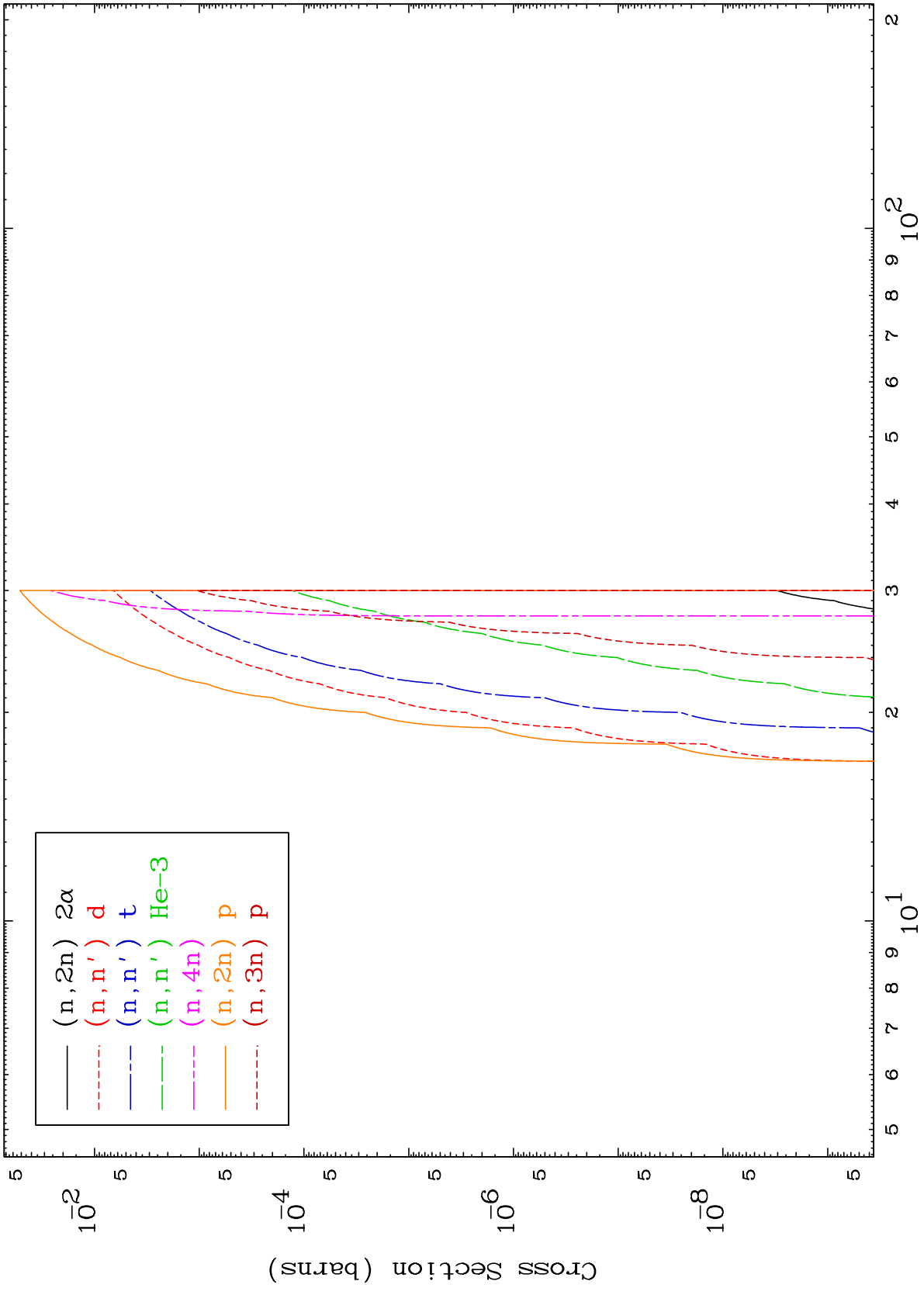
Incident Energy (MeV)

70-Yb-164

MAT 7013

Neutron Production
293 Kelvin Cross Sections

70-Yb-164



3

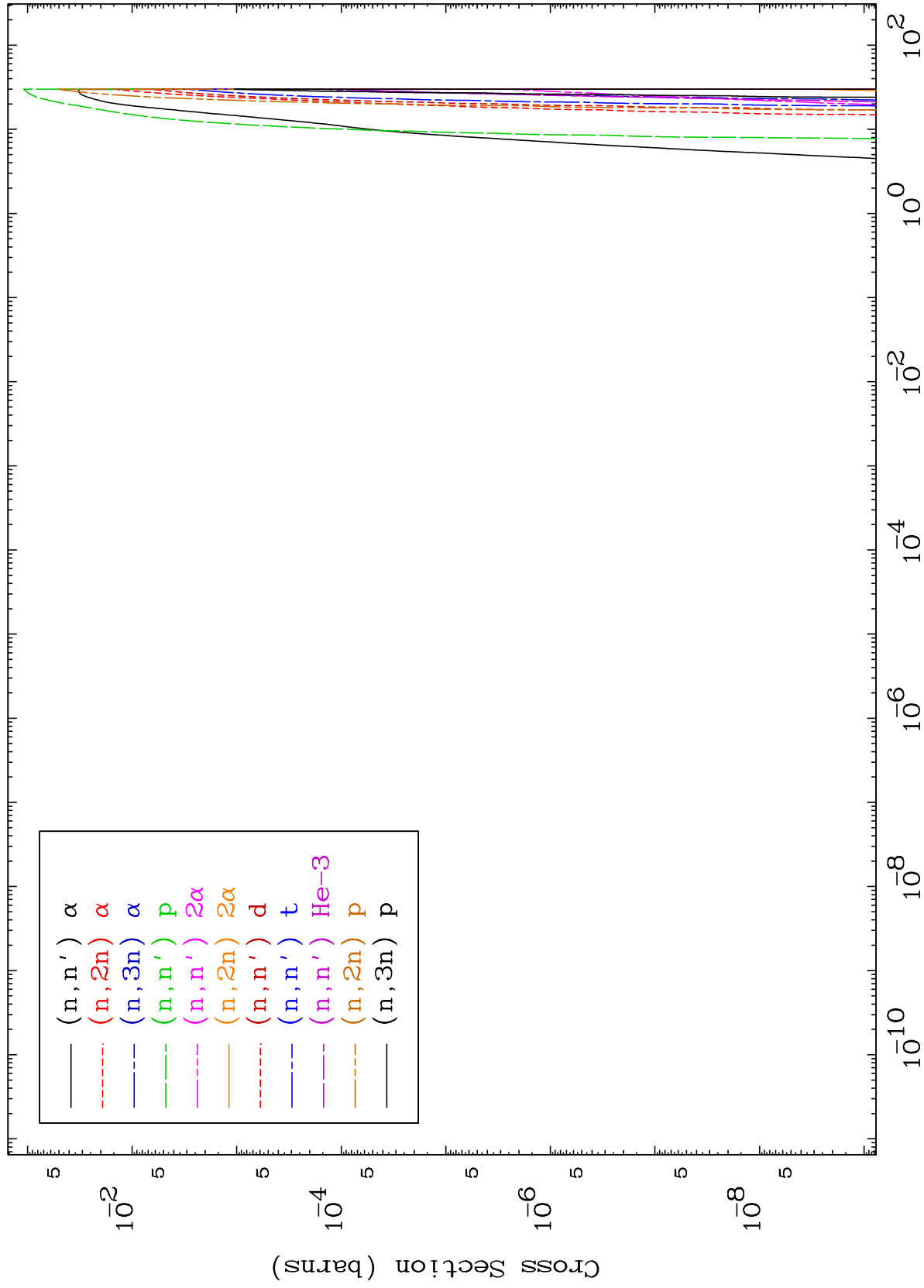
Incident Energy (MeV)

70-Yb-164

MAT 7013

293 Charged Particle
Kelvin Cross Sections

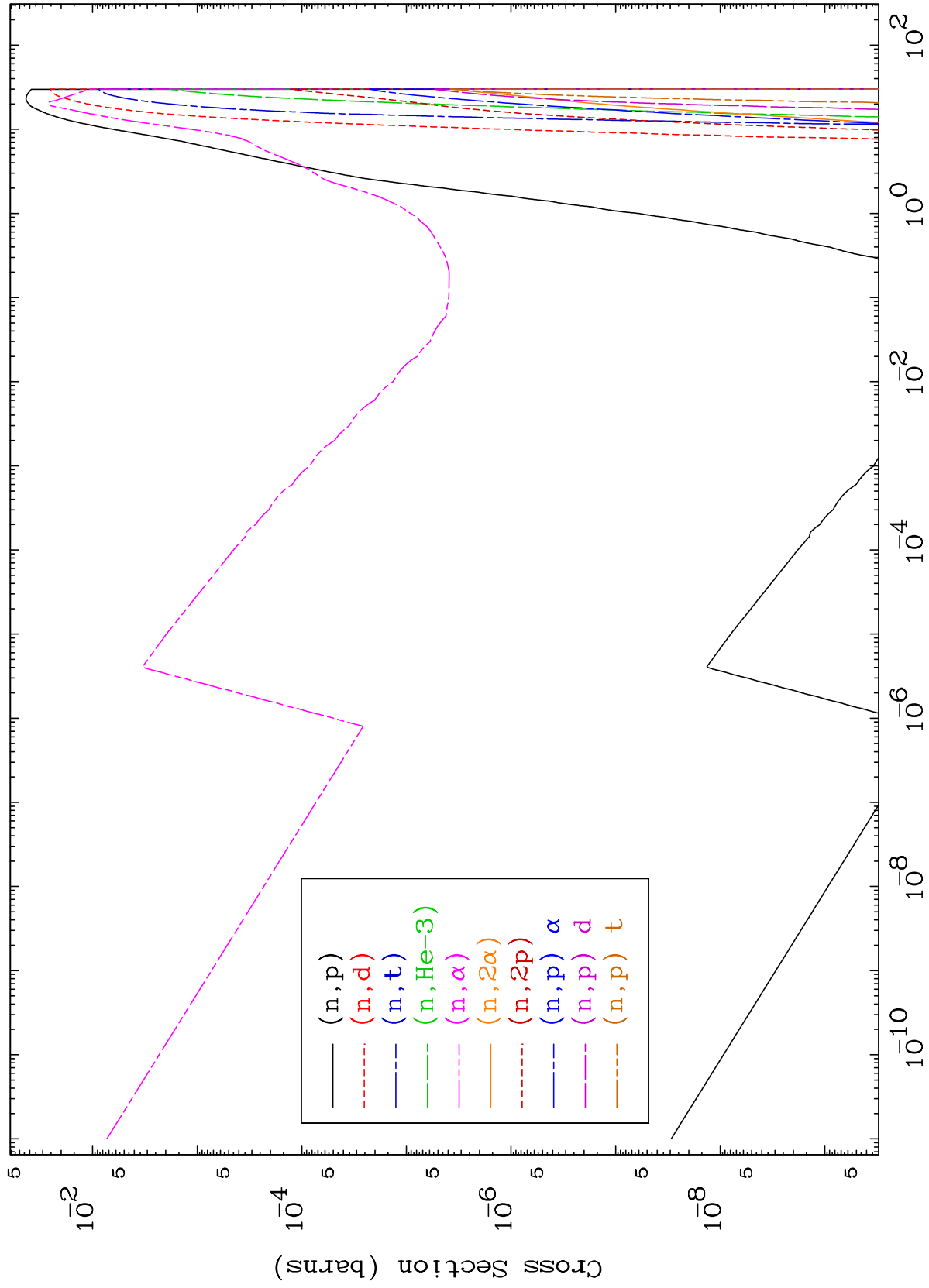
70-Yb-164



MAT 7013

293 Kelvin Cross Sections

70-Yb-164

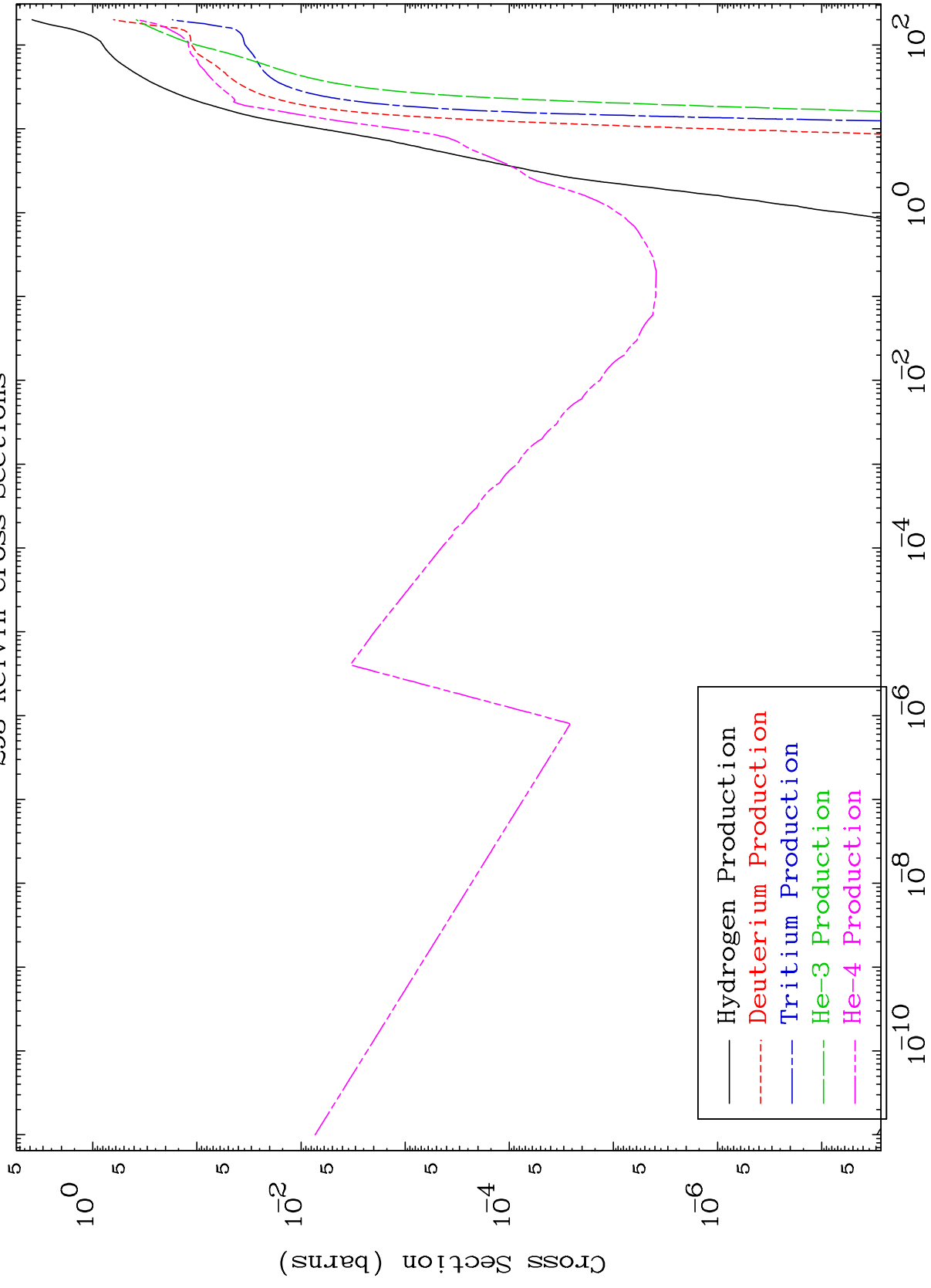


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MAT 7013

Particle Production
293 Kelvin Cross Sections

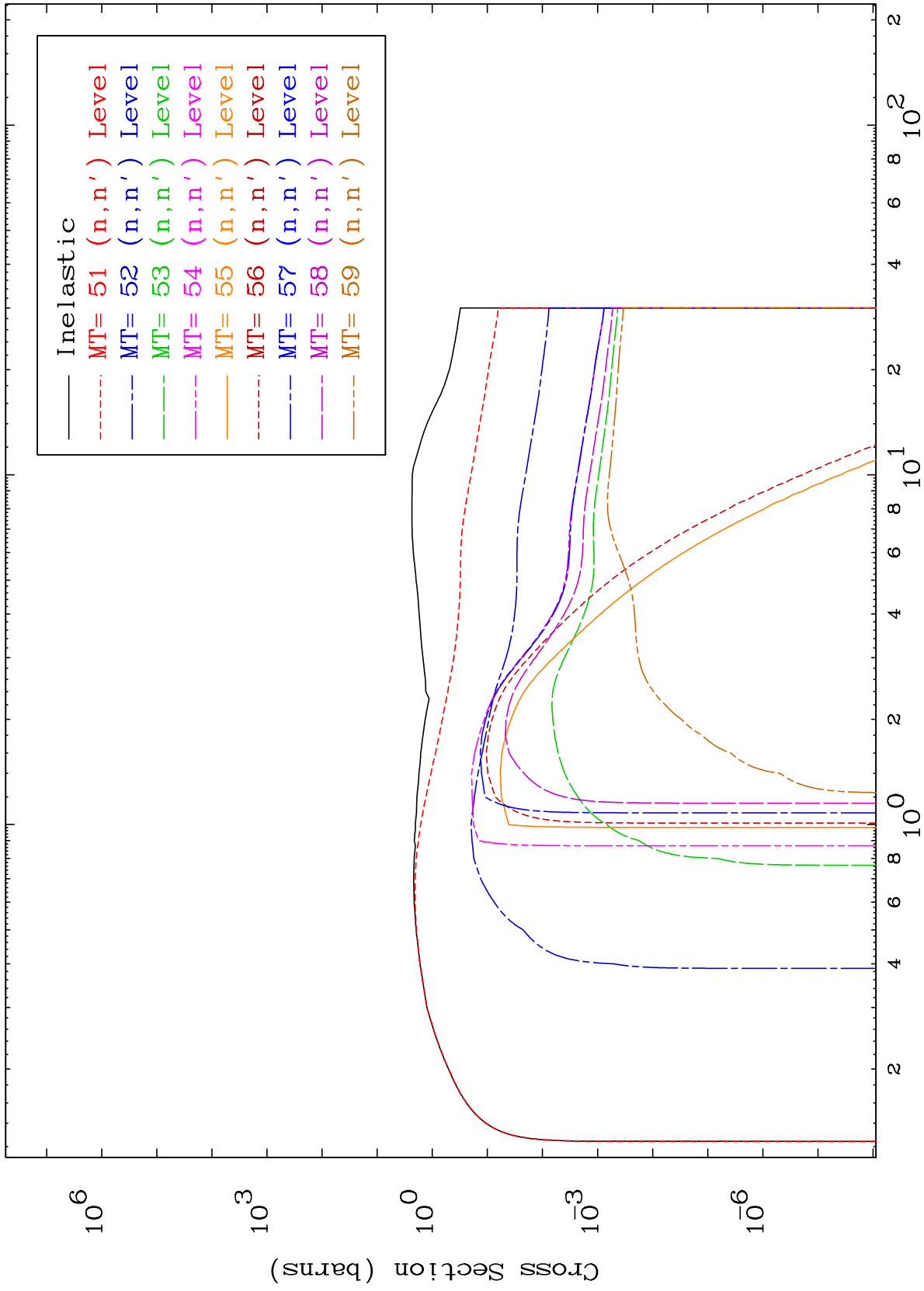
70-Yb-164



MAT 7013

(n,n') Level
293 Kelvin Cross Sections

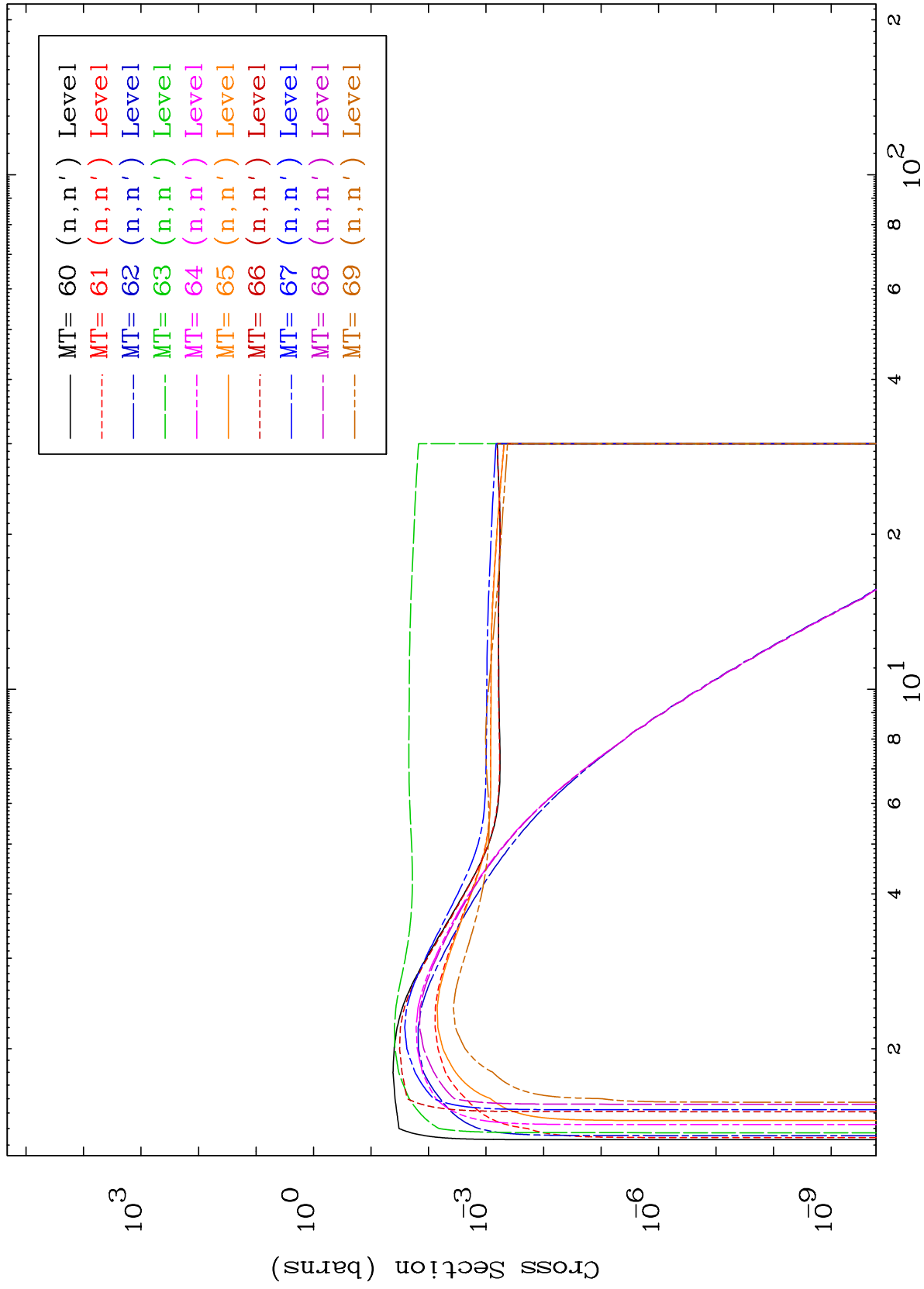
70-Yb-164



MAT 7013

(n,n') Level
293 Kelvin Cross Sections

70-Yb-164



8

Incident Energy (MeV)

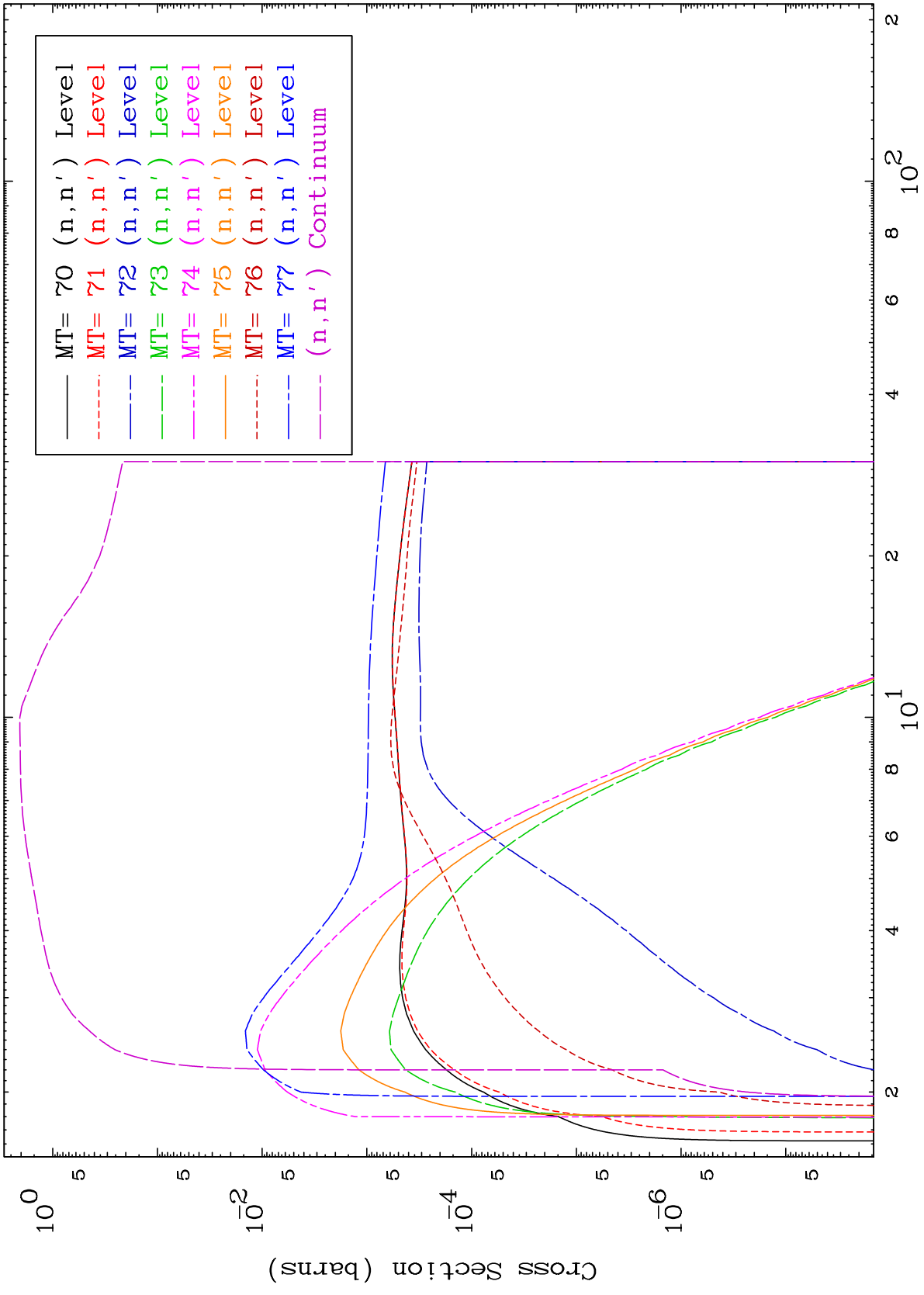
70-Yb-164

MAT 7013

(n,n') Level

70-Yb-164

293 Kelvin Cross Sections



9

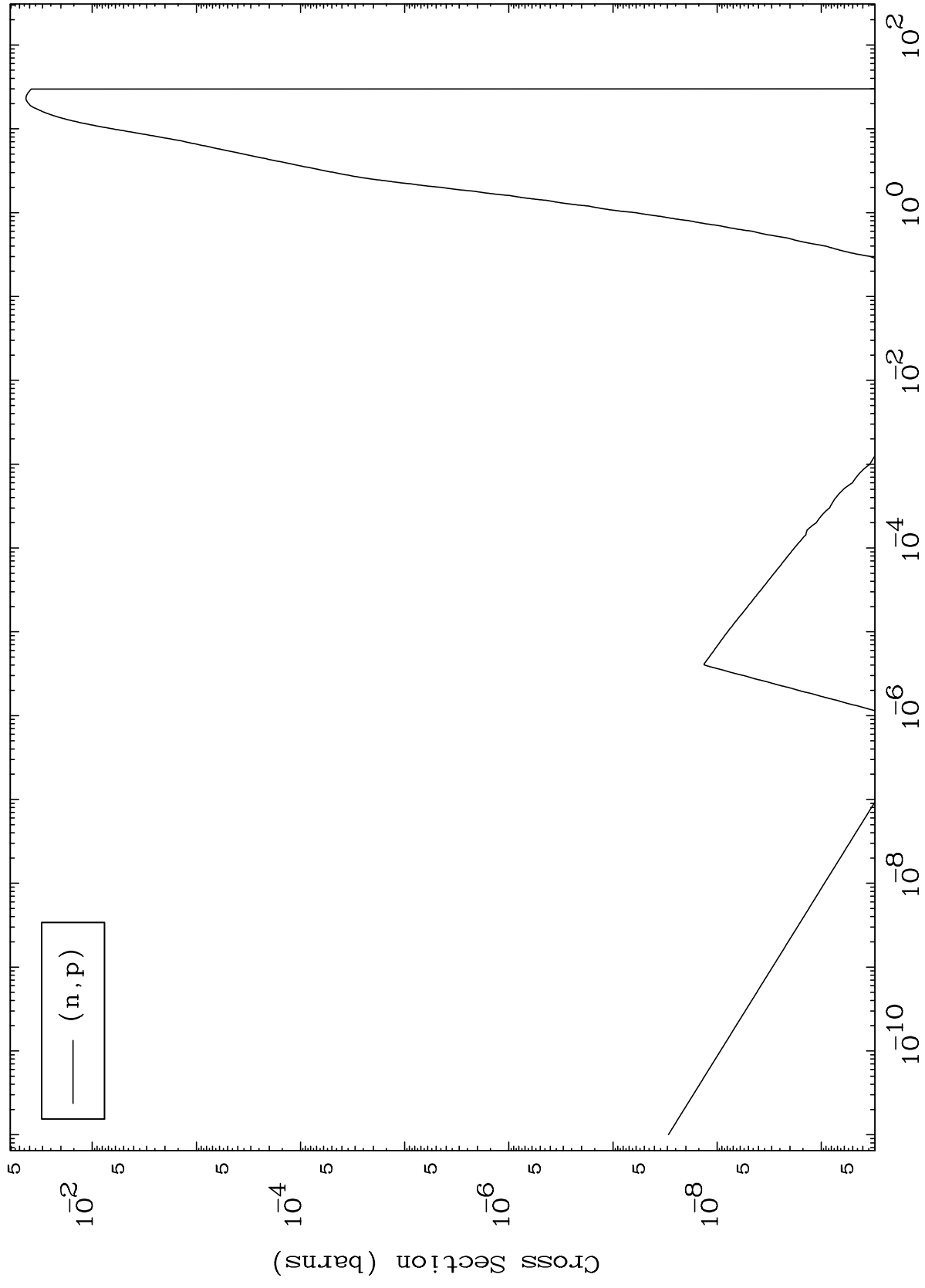
Incident Energy (MeV)

70-Yb-164

MAT 7013

(n,p) Levels
293 Kelvin Cross Sections

70-Yb-164



10

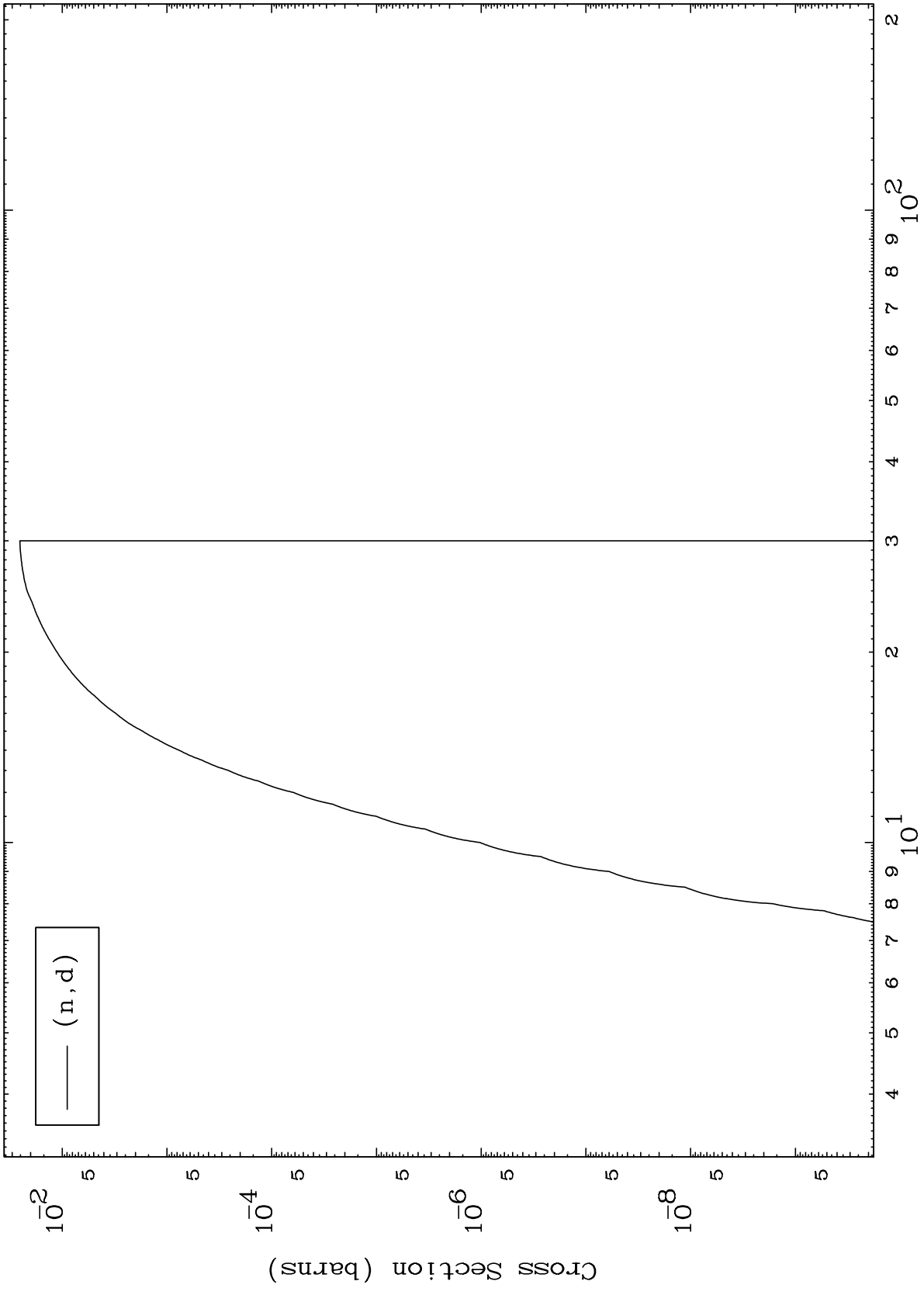
Incident Energy (MeV)

70-Yb-164

MAT 7013

(n,d) Levels
293 Kelvin Cross Sections

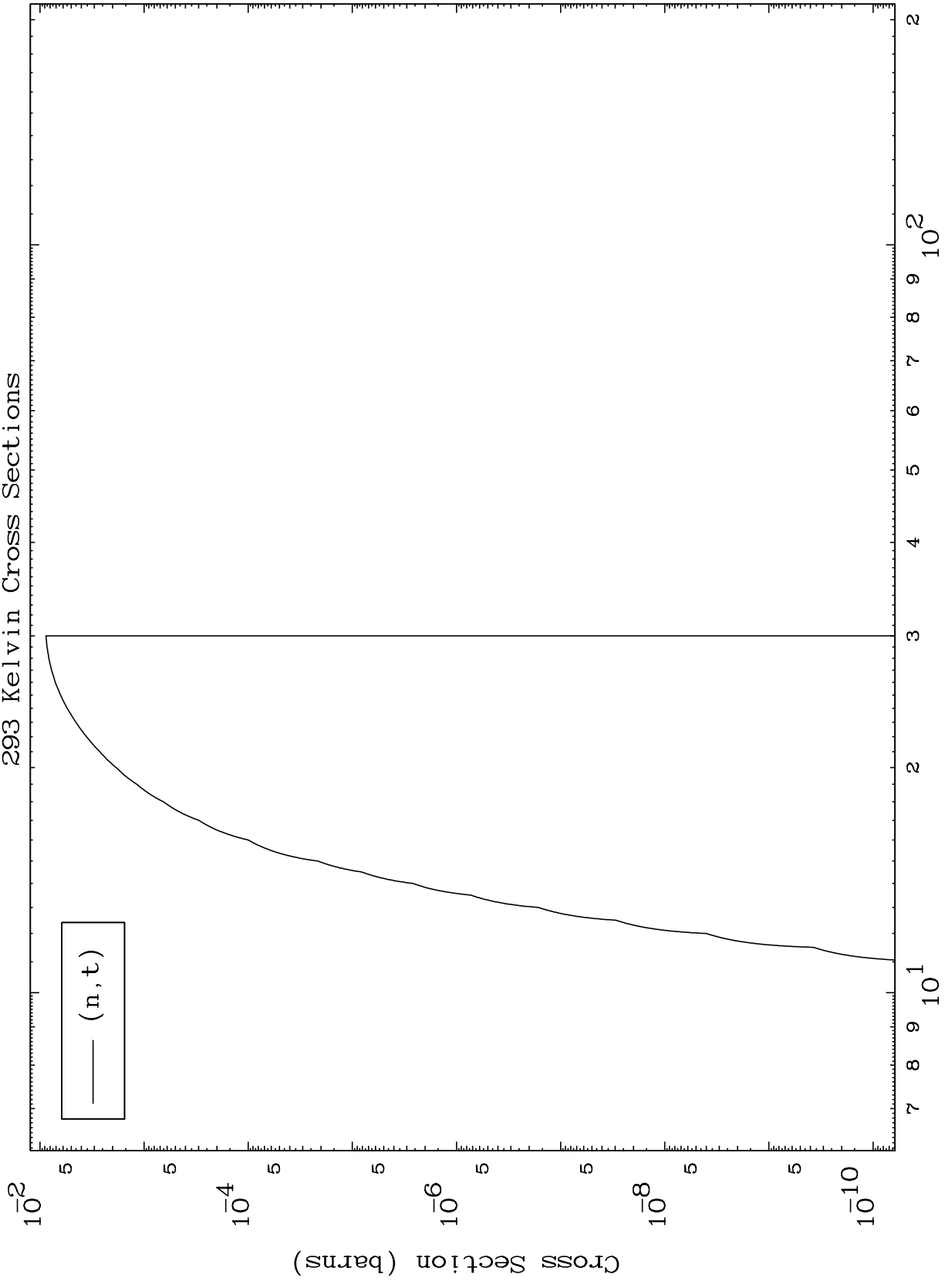
70-Yb-164



MAT 7013

(n,t) Levels
293 Kelvin Cross Sections

70-Yb-164



12

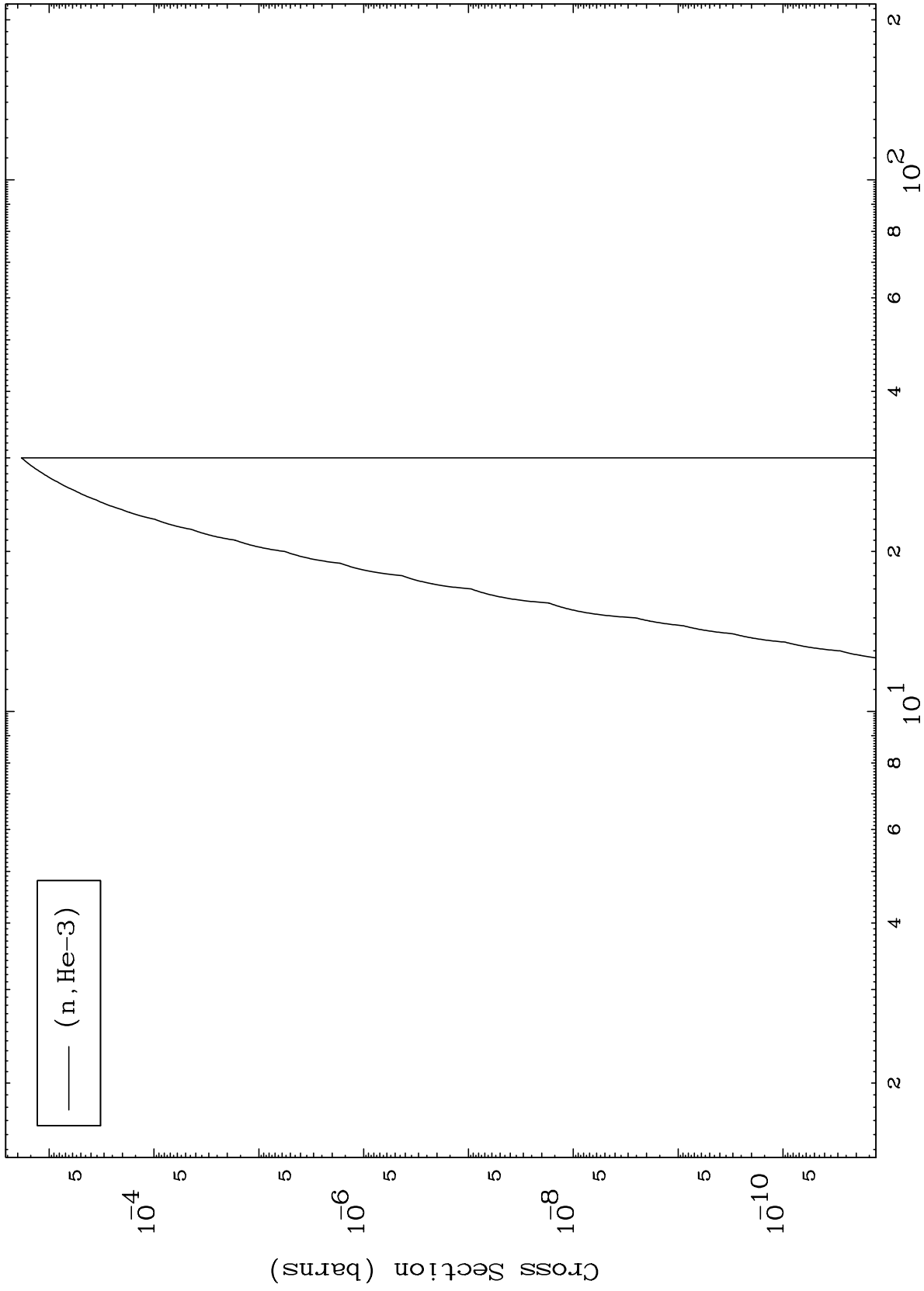
Incident Energy (MeV)

70-Yb-164

MAT 7013

(n,He3) Levels
293 Kelvin Cross Sections

70-Yb-164

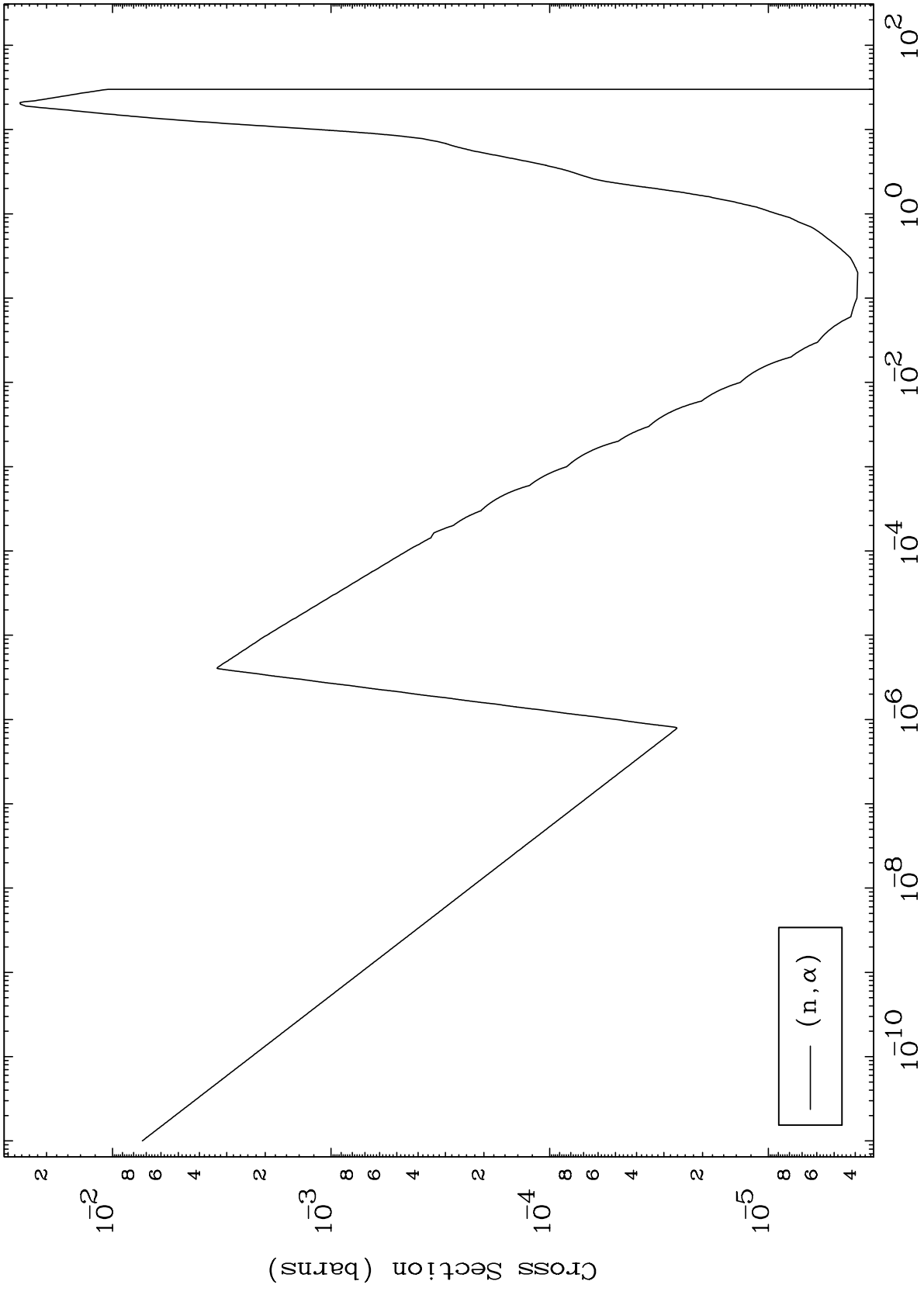


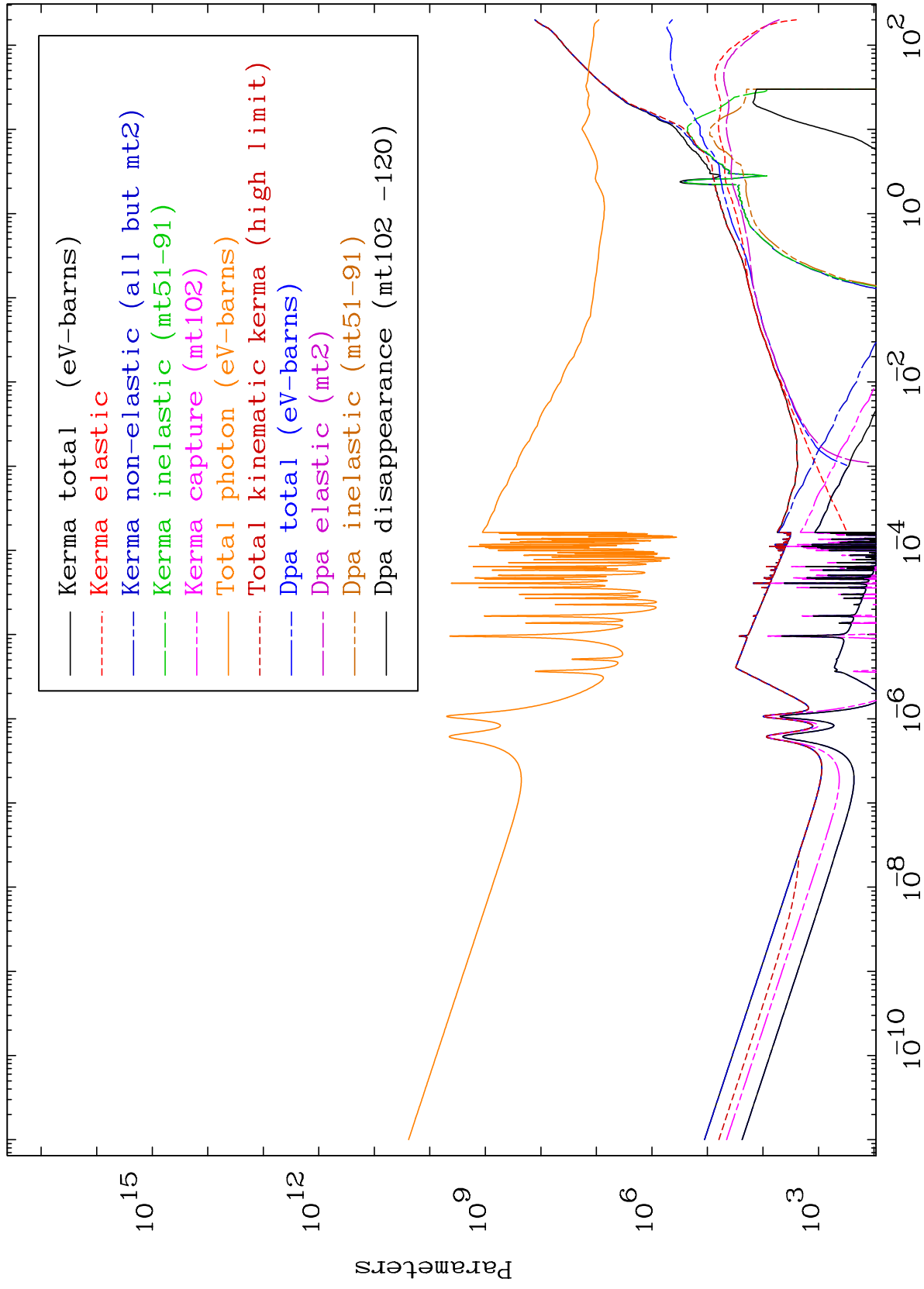
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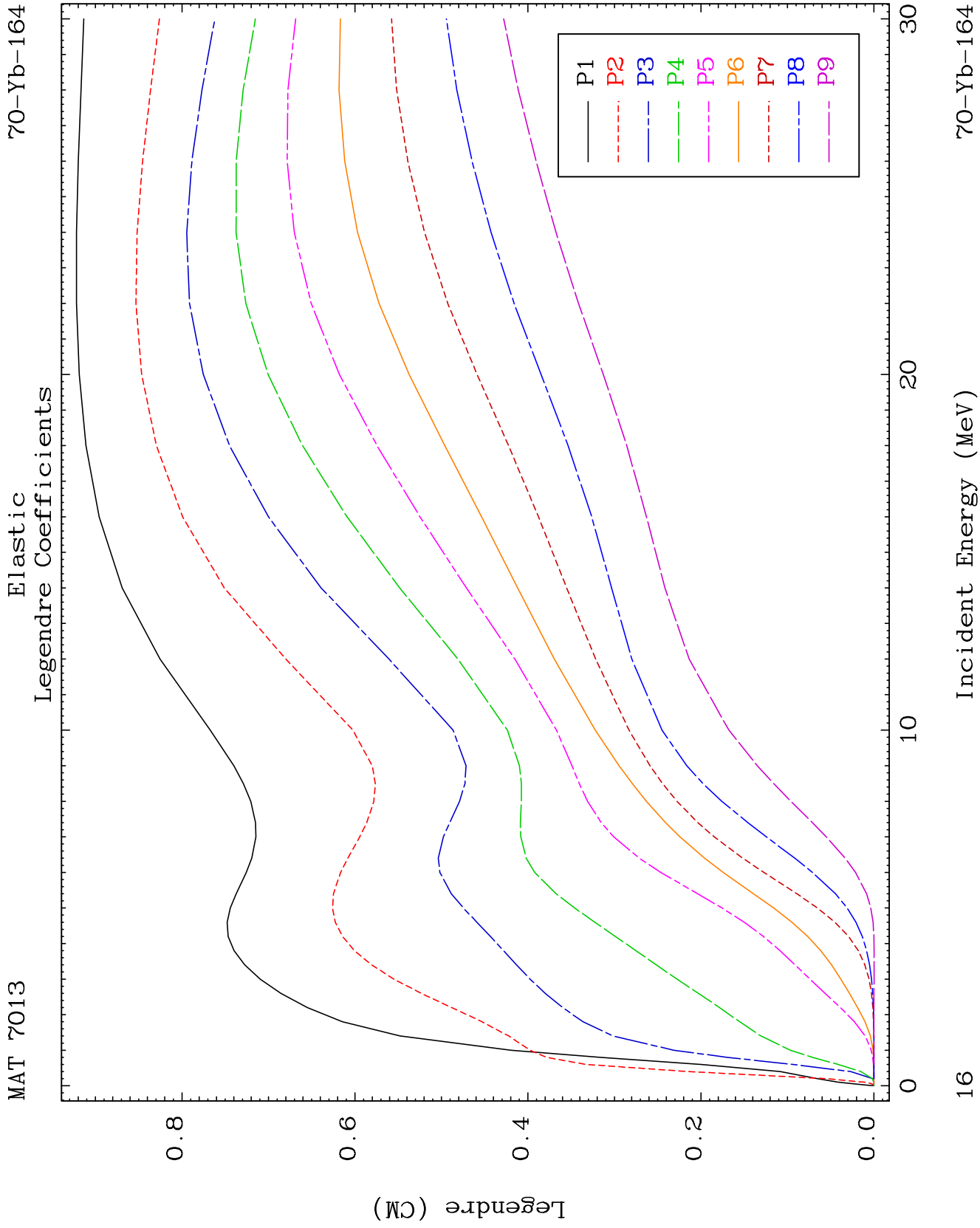
MAT 7013

(n,α) Levels
293 Kelvin Cross Sections

70-Yb-164



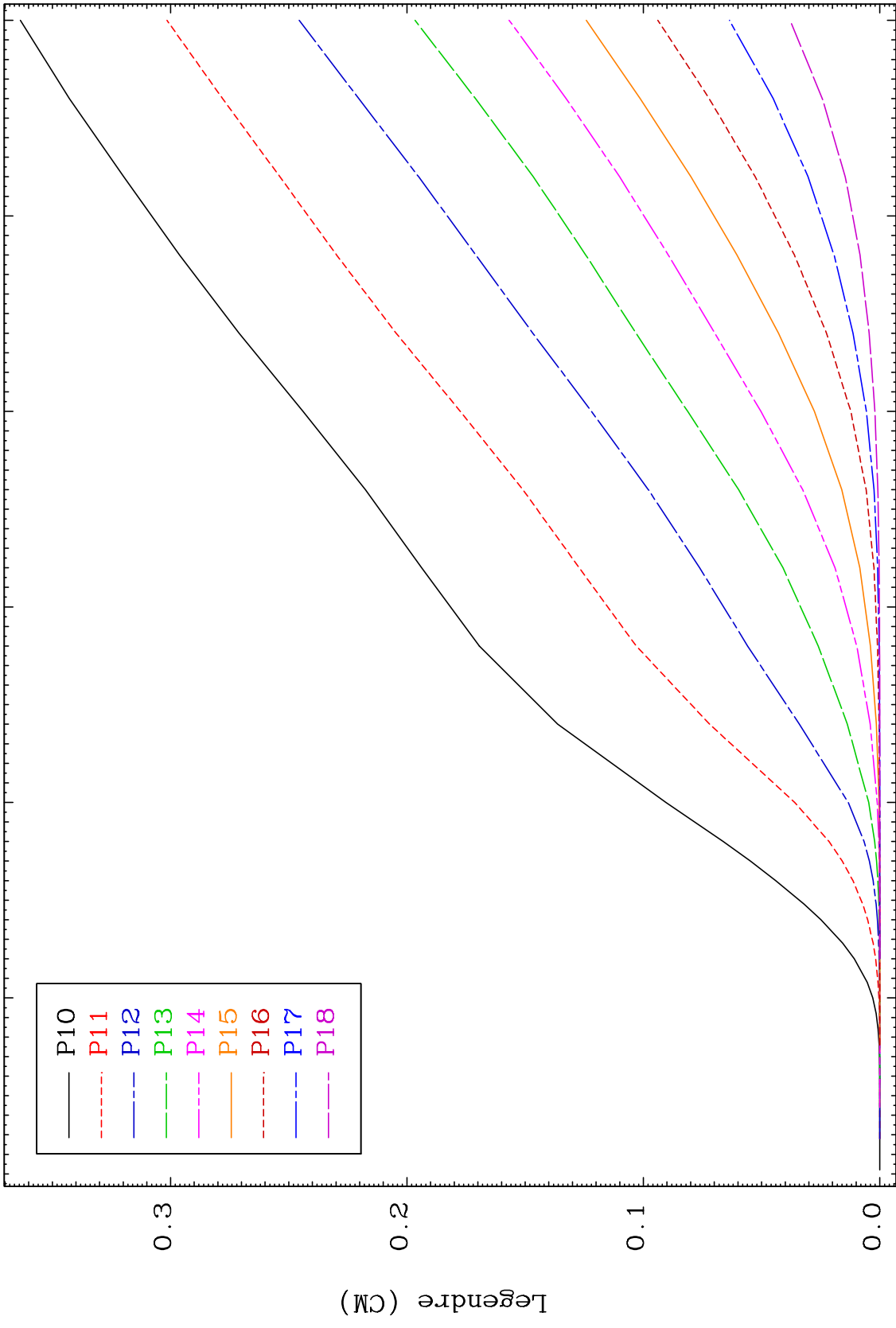




MAT 7013

Elastic Legendre Coefficients

70-Yb-164



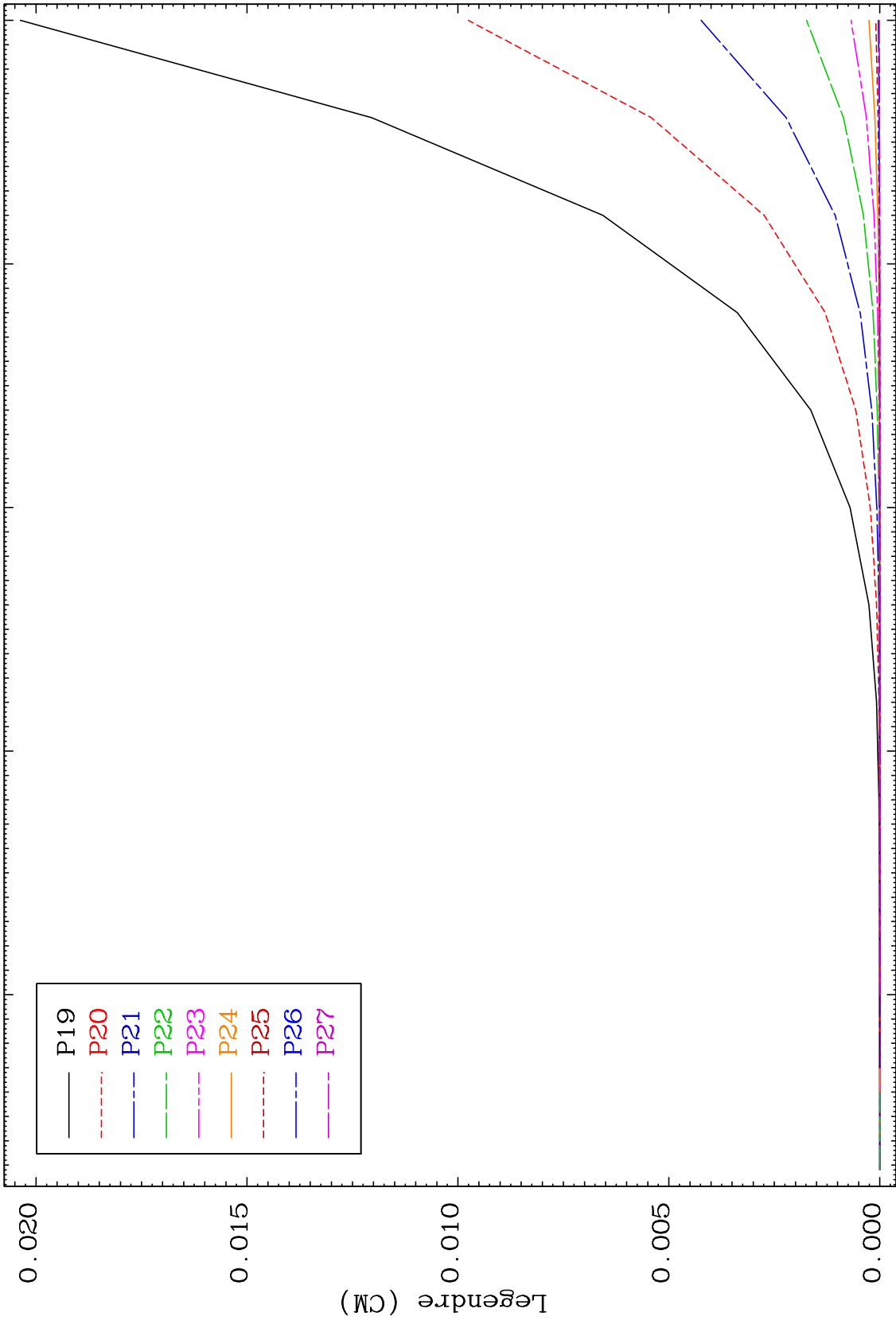
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70-Yb-164

MAT 7013

Elastic Legendre Coefficients

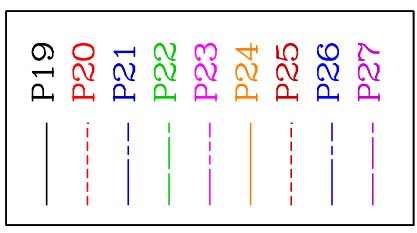
70-Yb-164



18

Incident Energy (MeV)

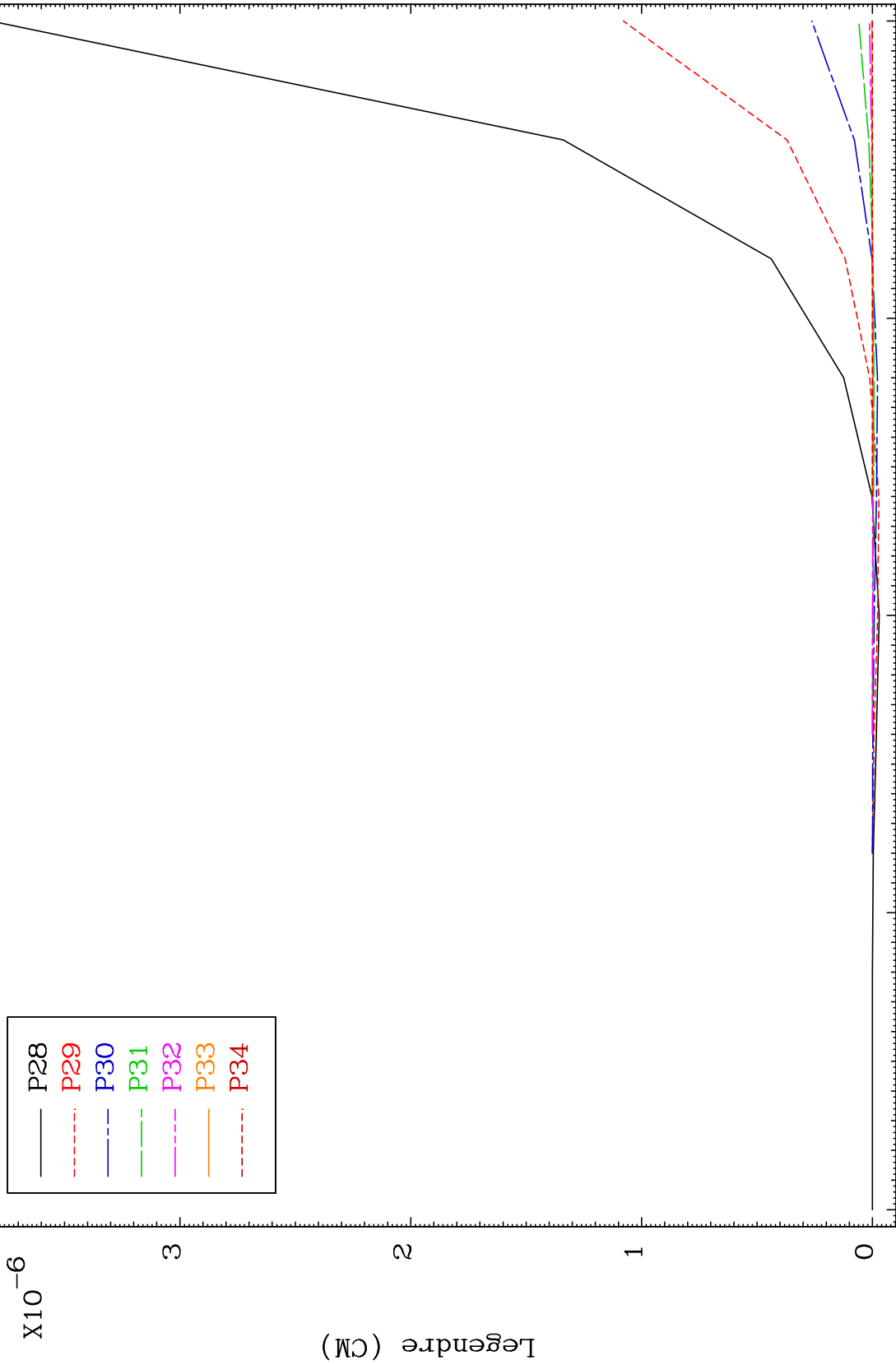
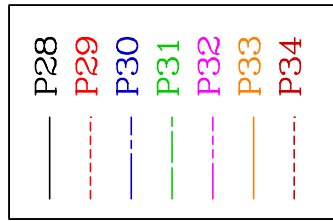
70-Yb-164



MAT 7013

Elastic Legendre Coefficients

70-Yb-164



19

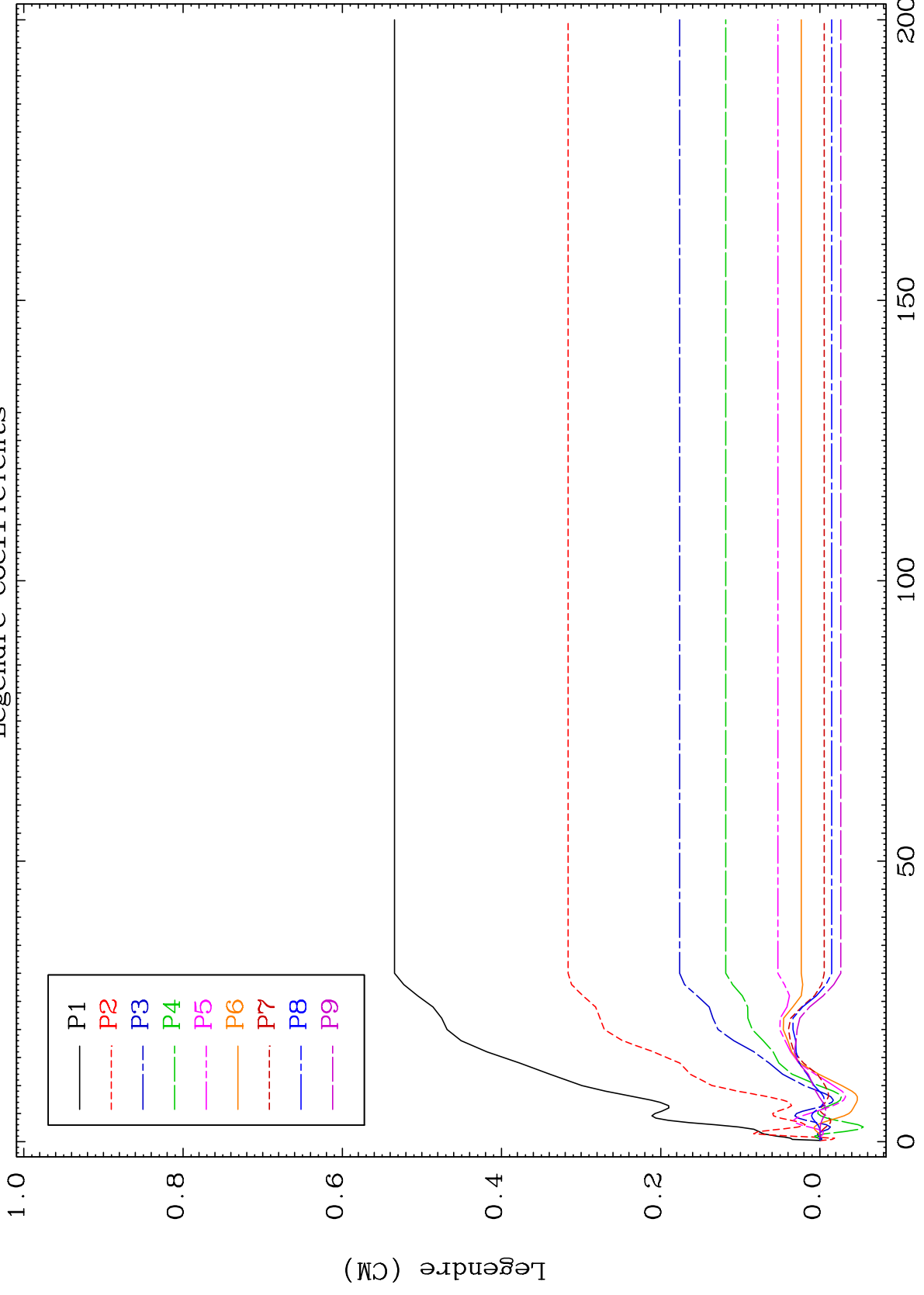
Incident Energy (MeV)

70-Yb-164

MAT 7013

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

70-Yb-164



70-Yb-164

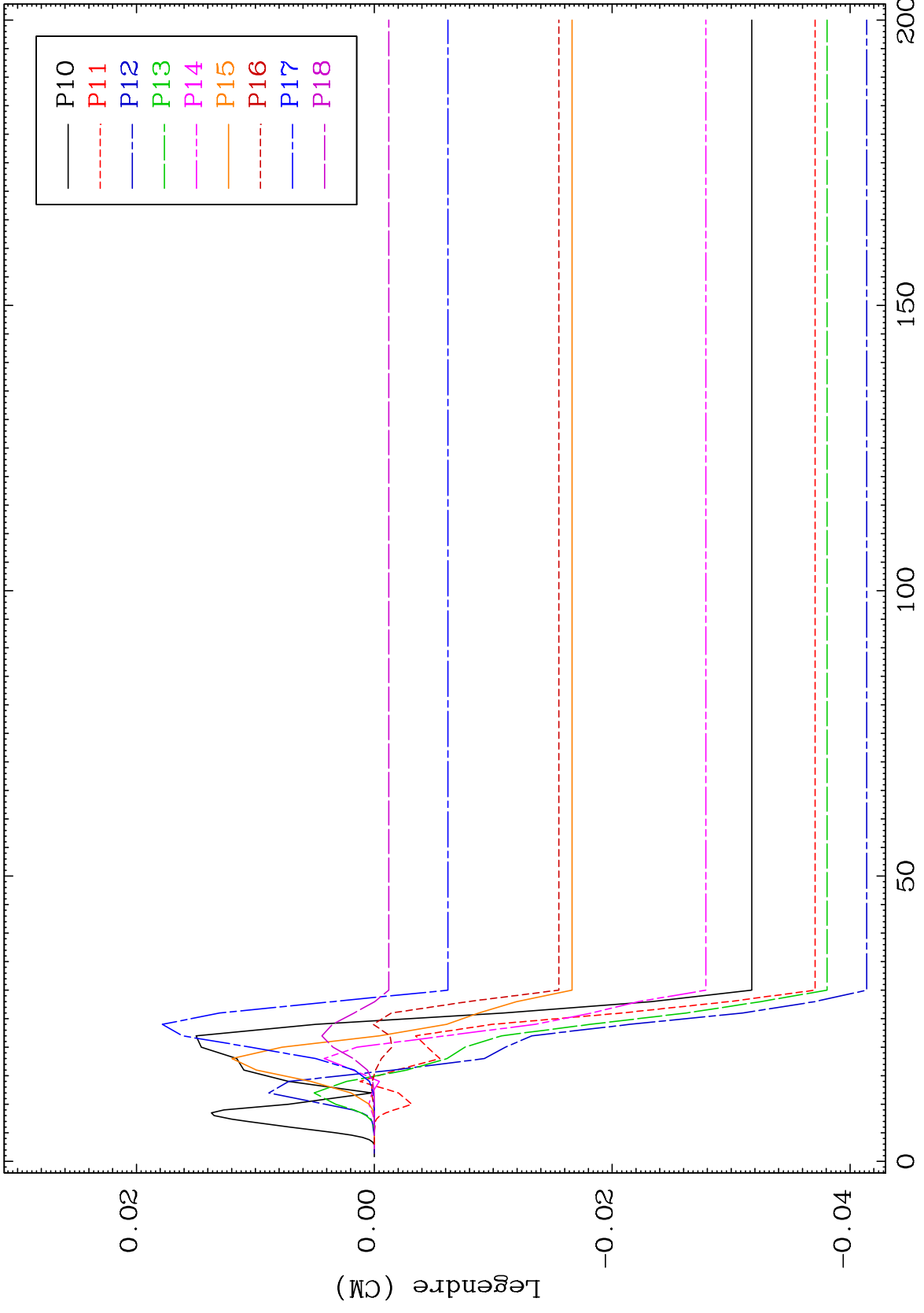
Incident Energy (MeV)

20

MAT 7013

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

70-Yb-164



21

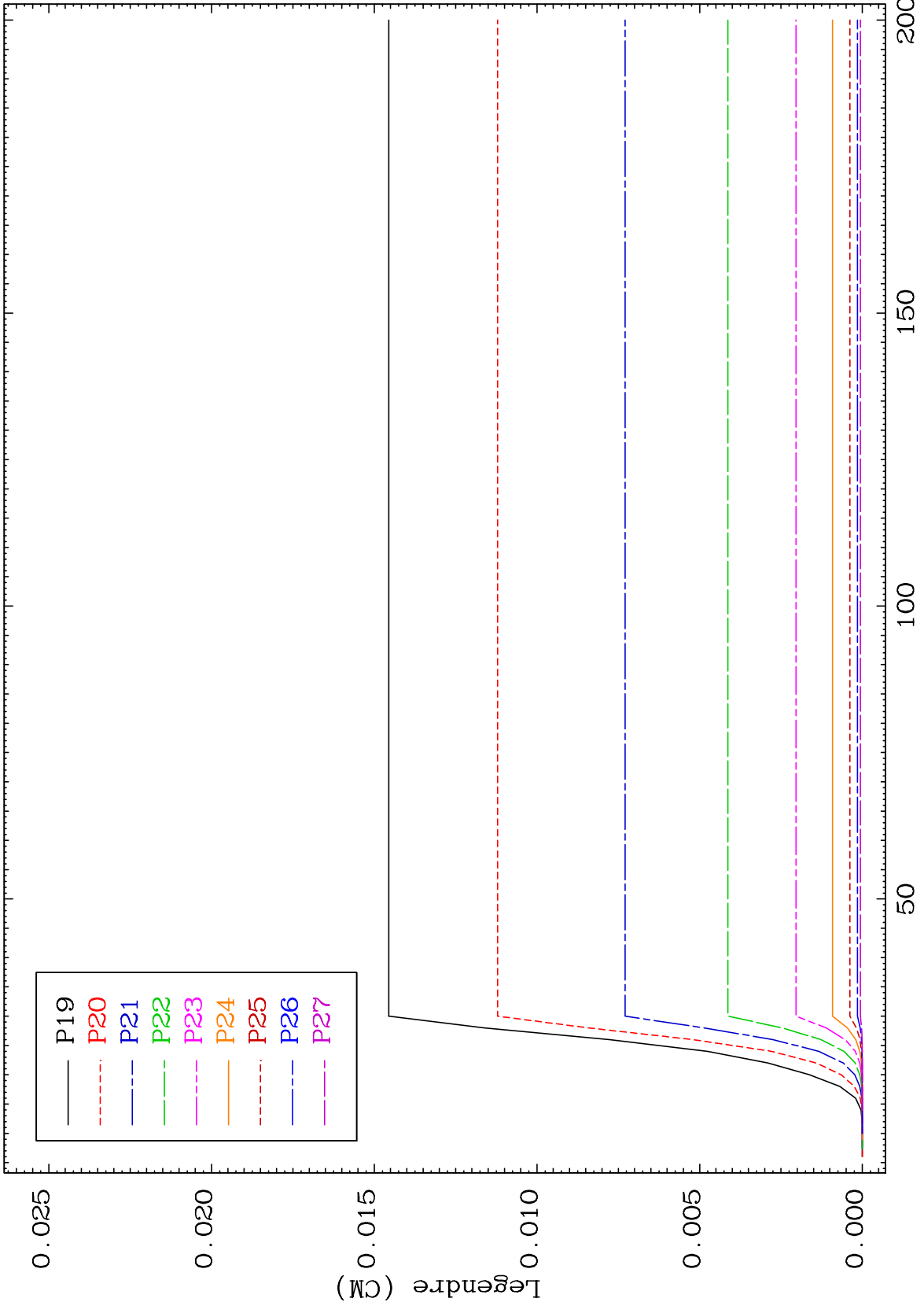
Incident Energy (MeV)

70-Yb-164

MAT 7013

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

70-Yb-164



22

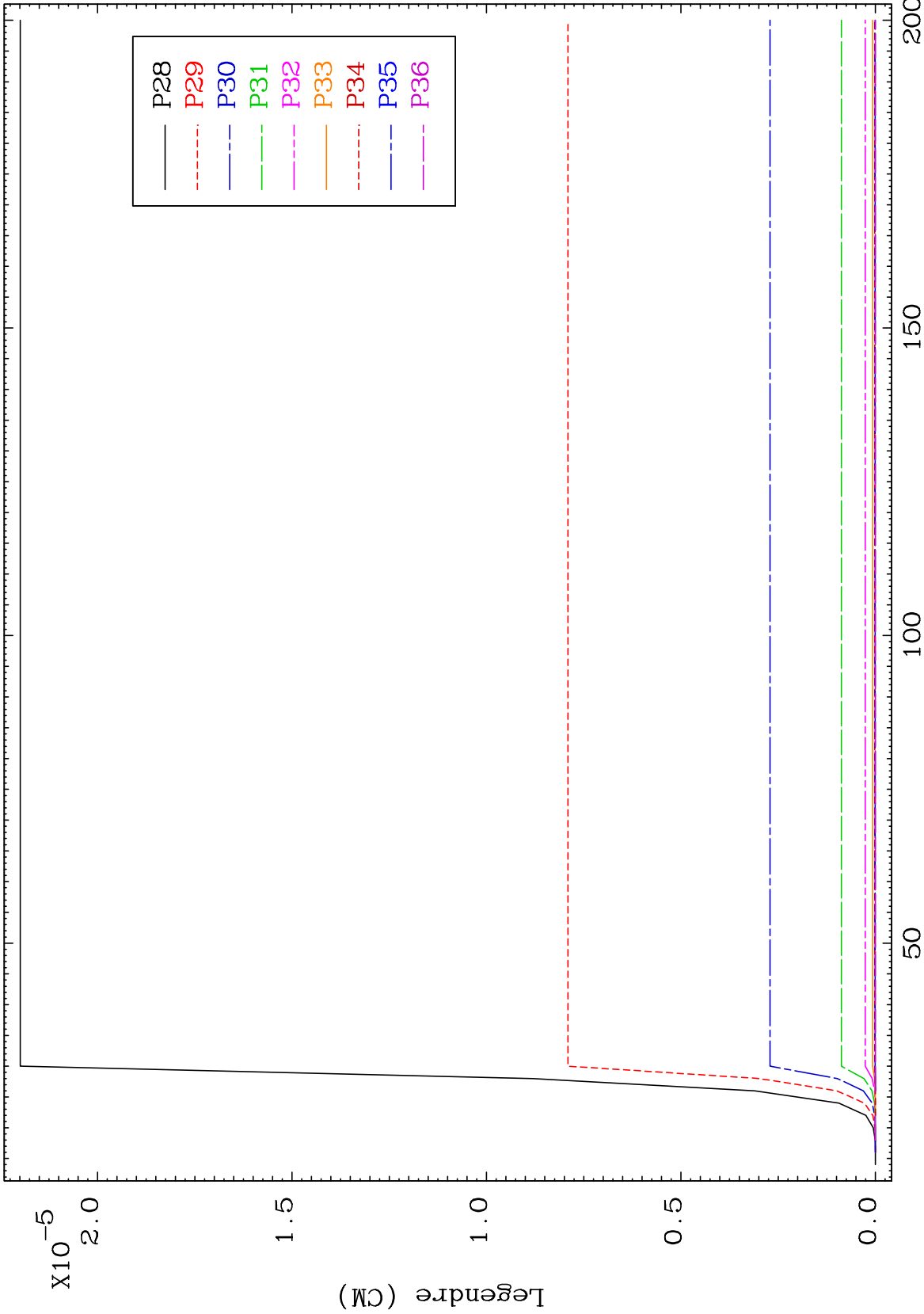
Incident Energy (MeV)

70-Yb-164

MAT 7013

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

70-Yb-164

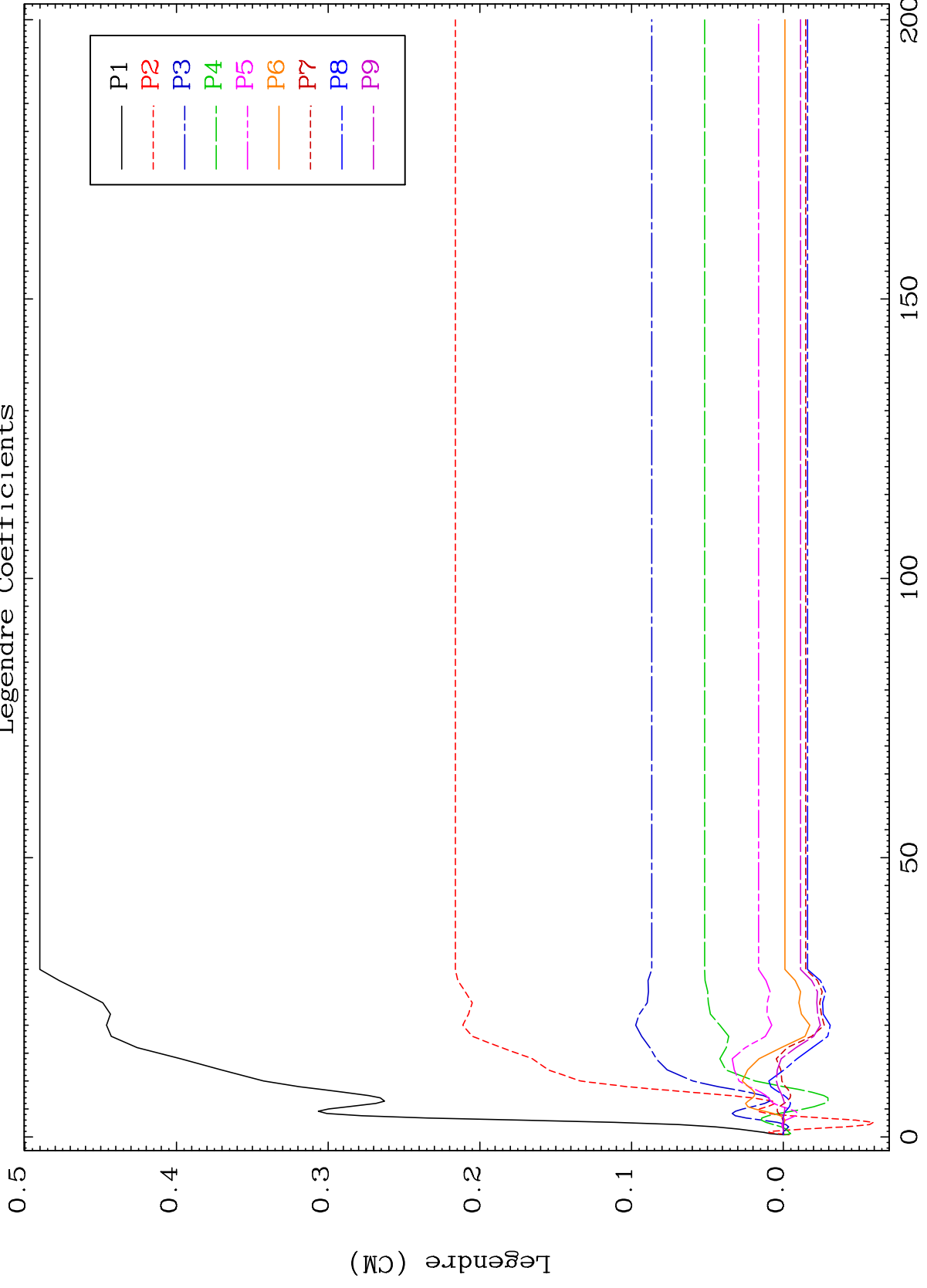


23

Incident Energy (MeV)

70-Yb-164

MAT 7013 MT= 52 (n,n') Level Legendre Coefficients 70-Yb-164

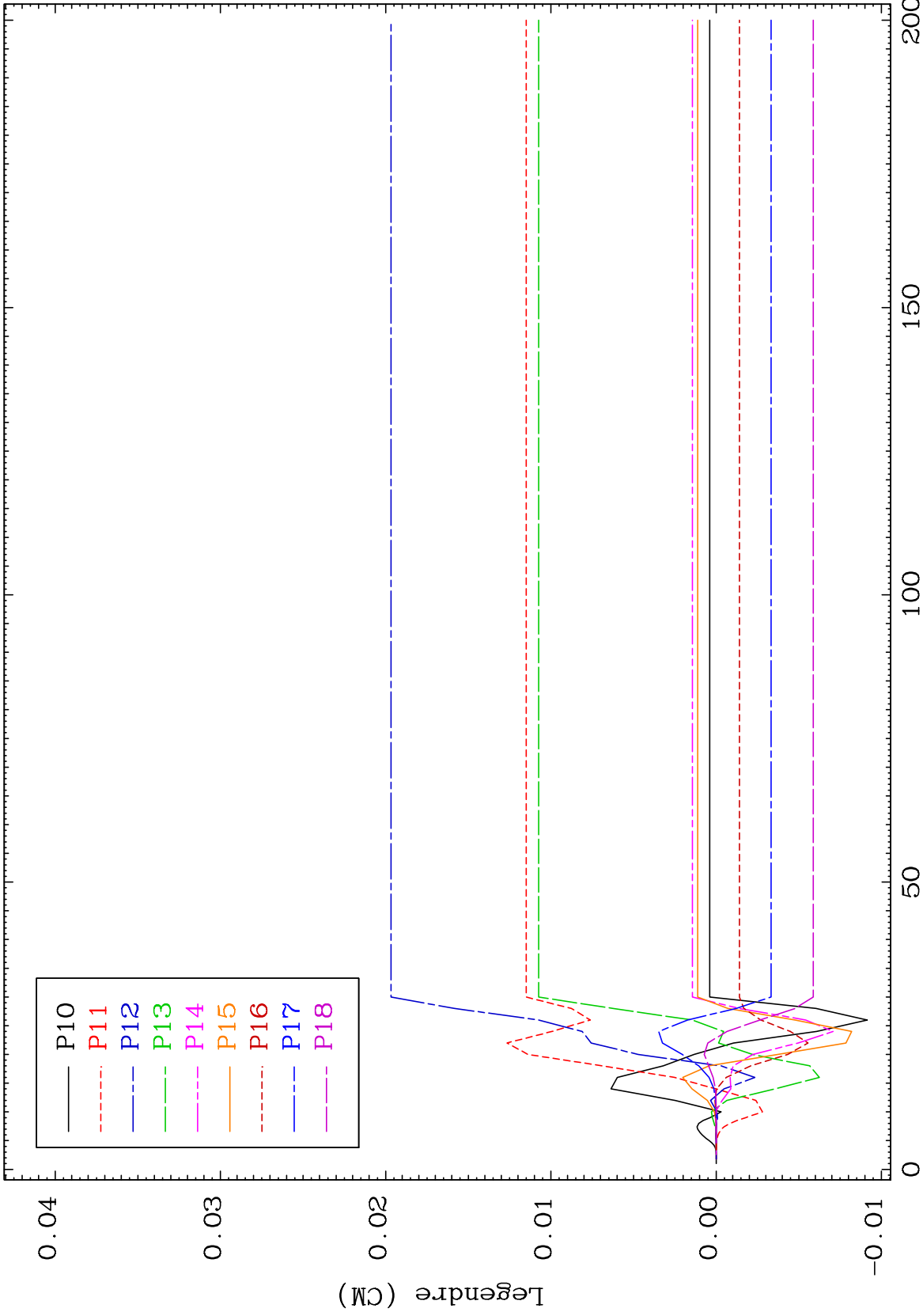


24 Incident Energy (MeV) 70-Yb-164

MAT 7013

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

70-Yb-164



25

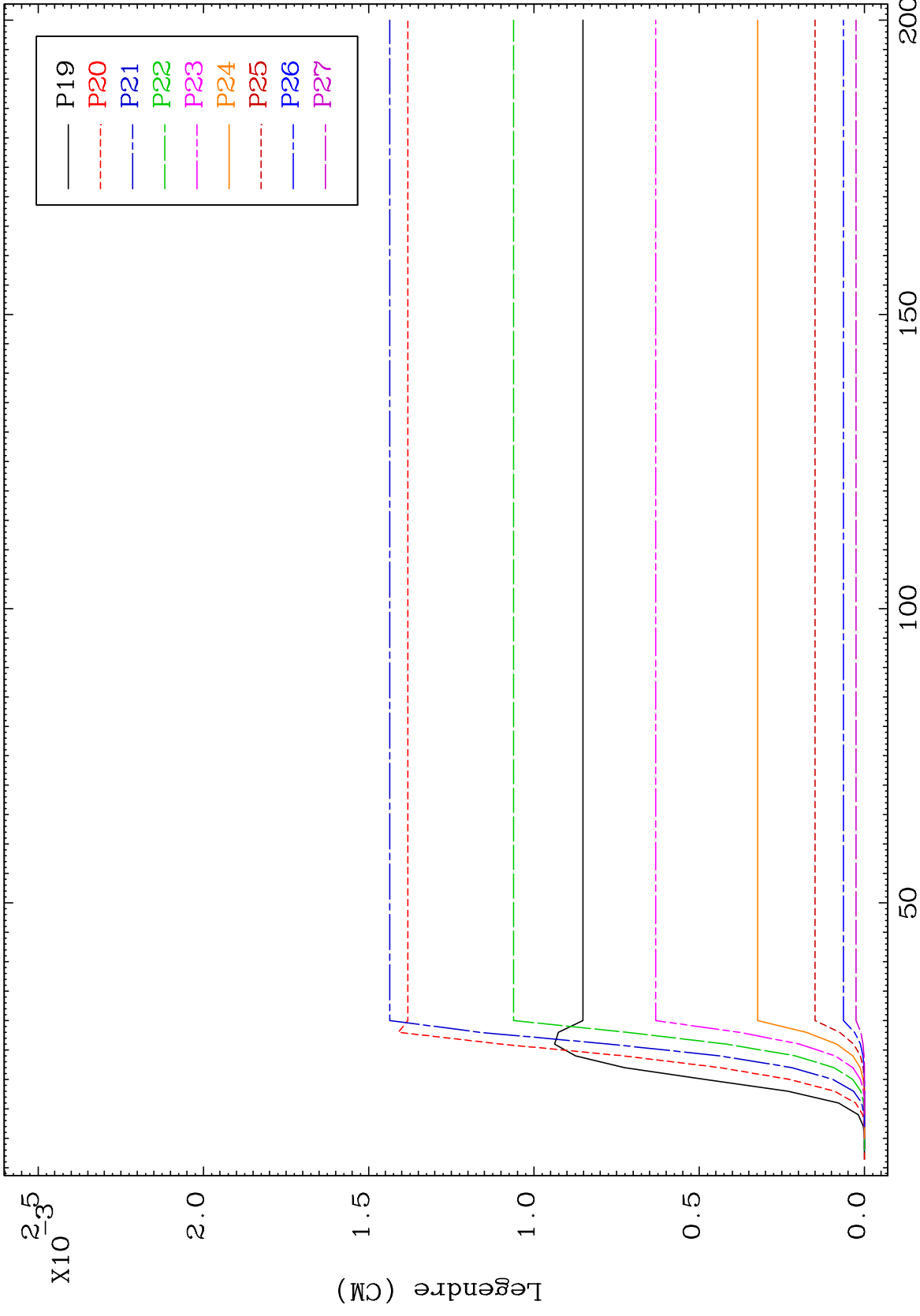
Incident Energy (MeV)

70-Yb-164

MAT 7013

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

70-Yb-164



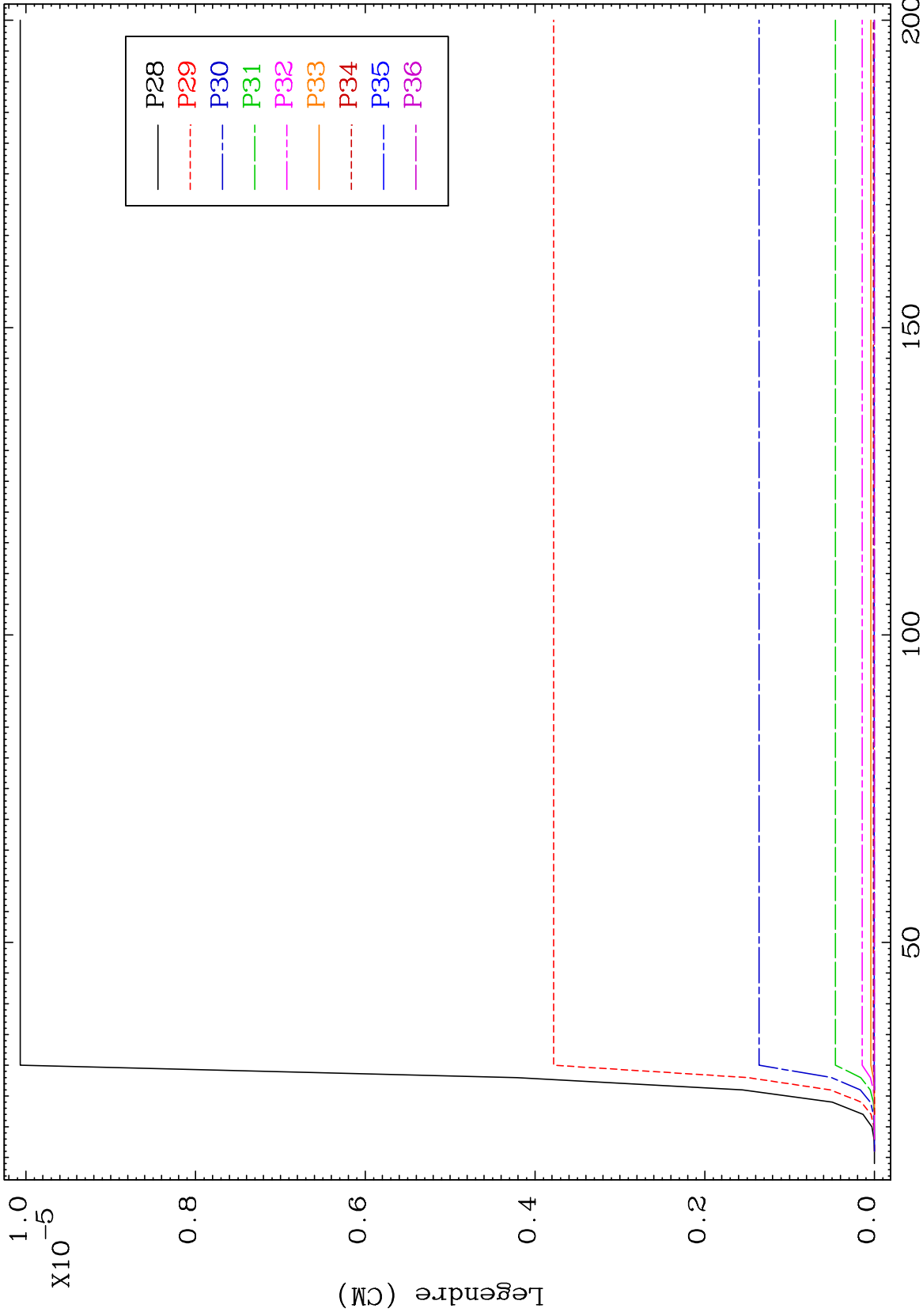
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70-Yb-164

MAT 7013

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

70-Yb-164



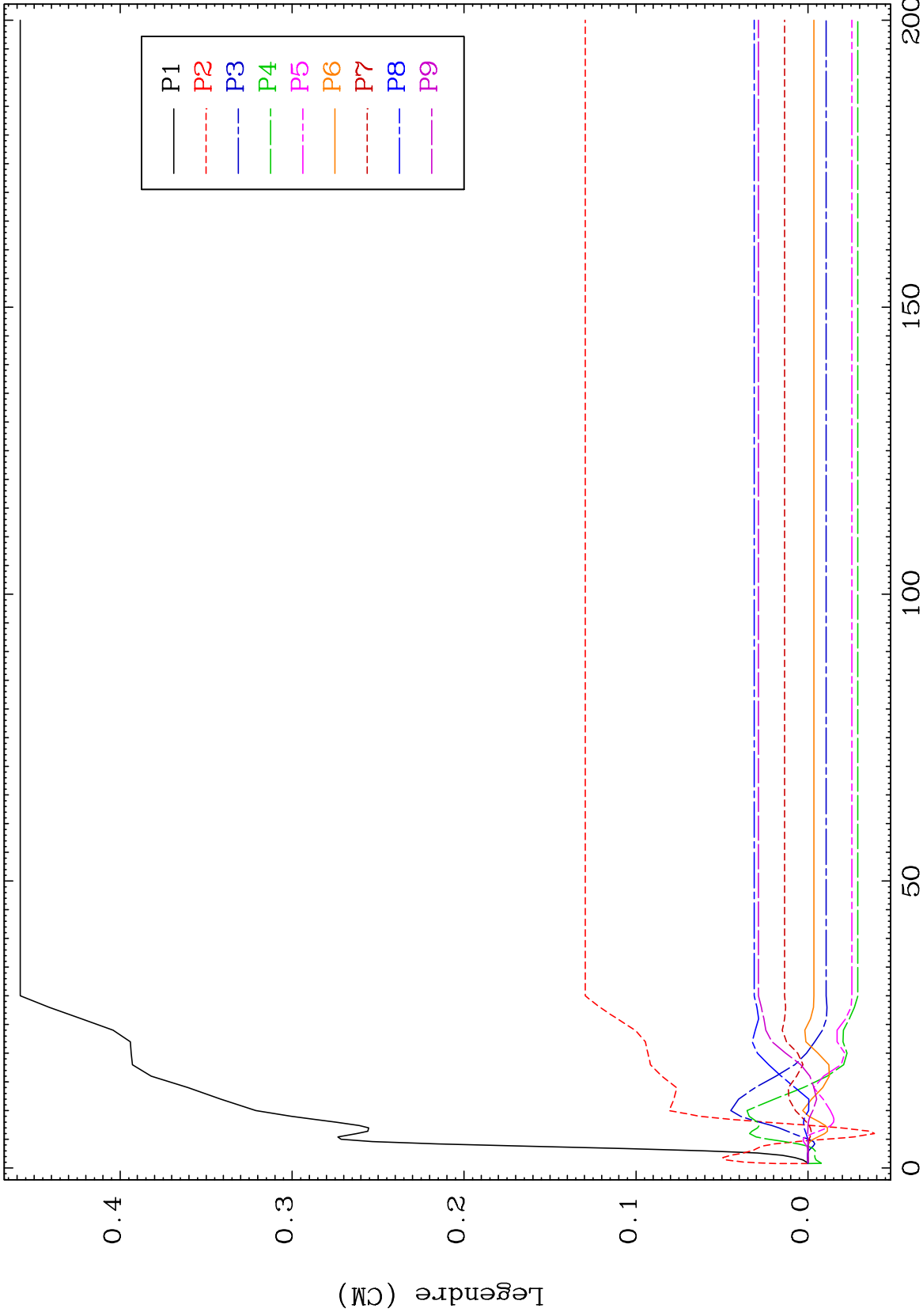
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70-Yb-164

MAT 7013

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

70-Yb-164



28

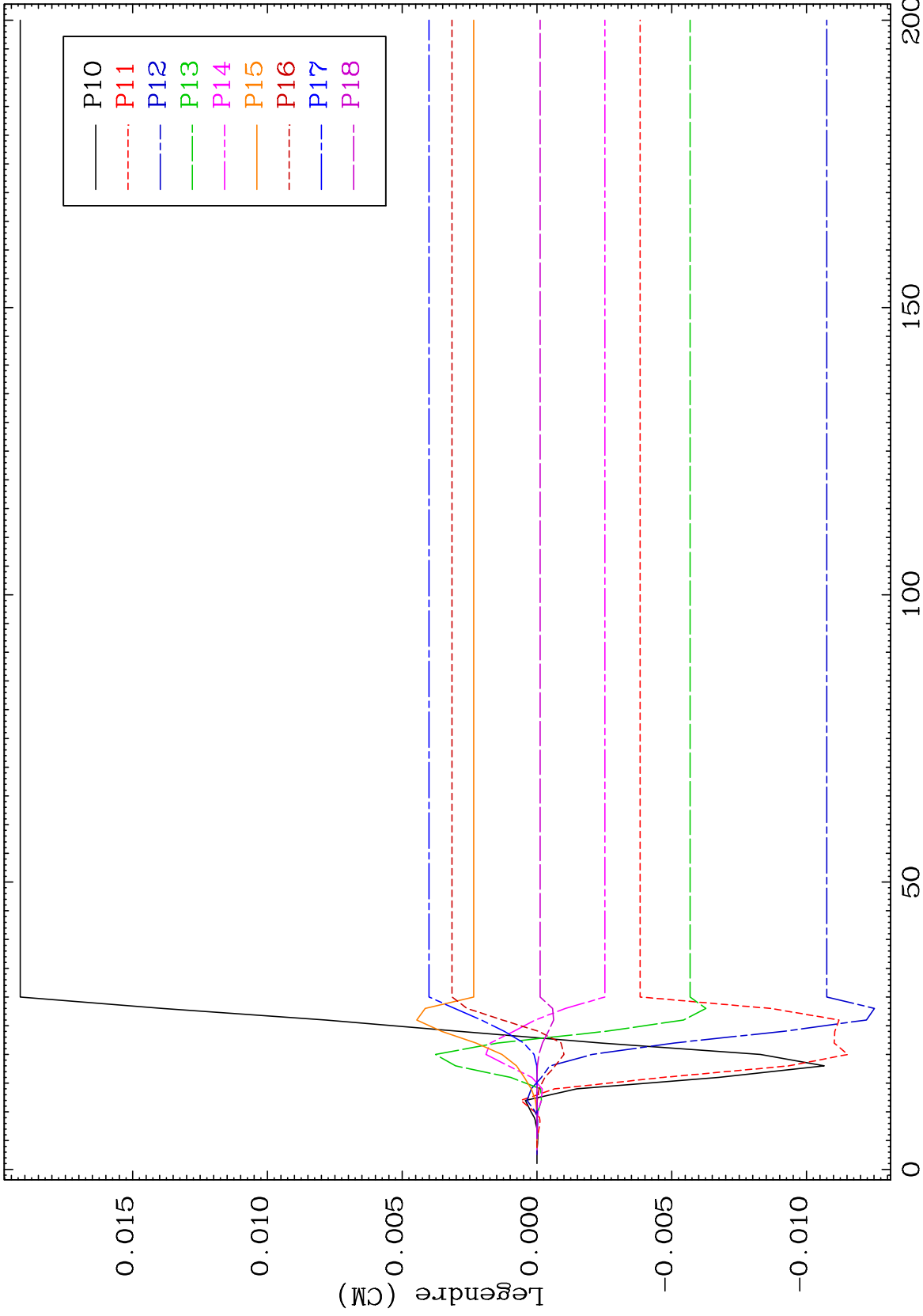
Incident Energy (MeV)

70-Yb-164

MAT 7013

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

70-Yb-164



29

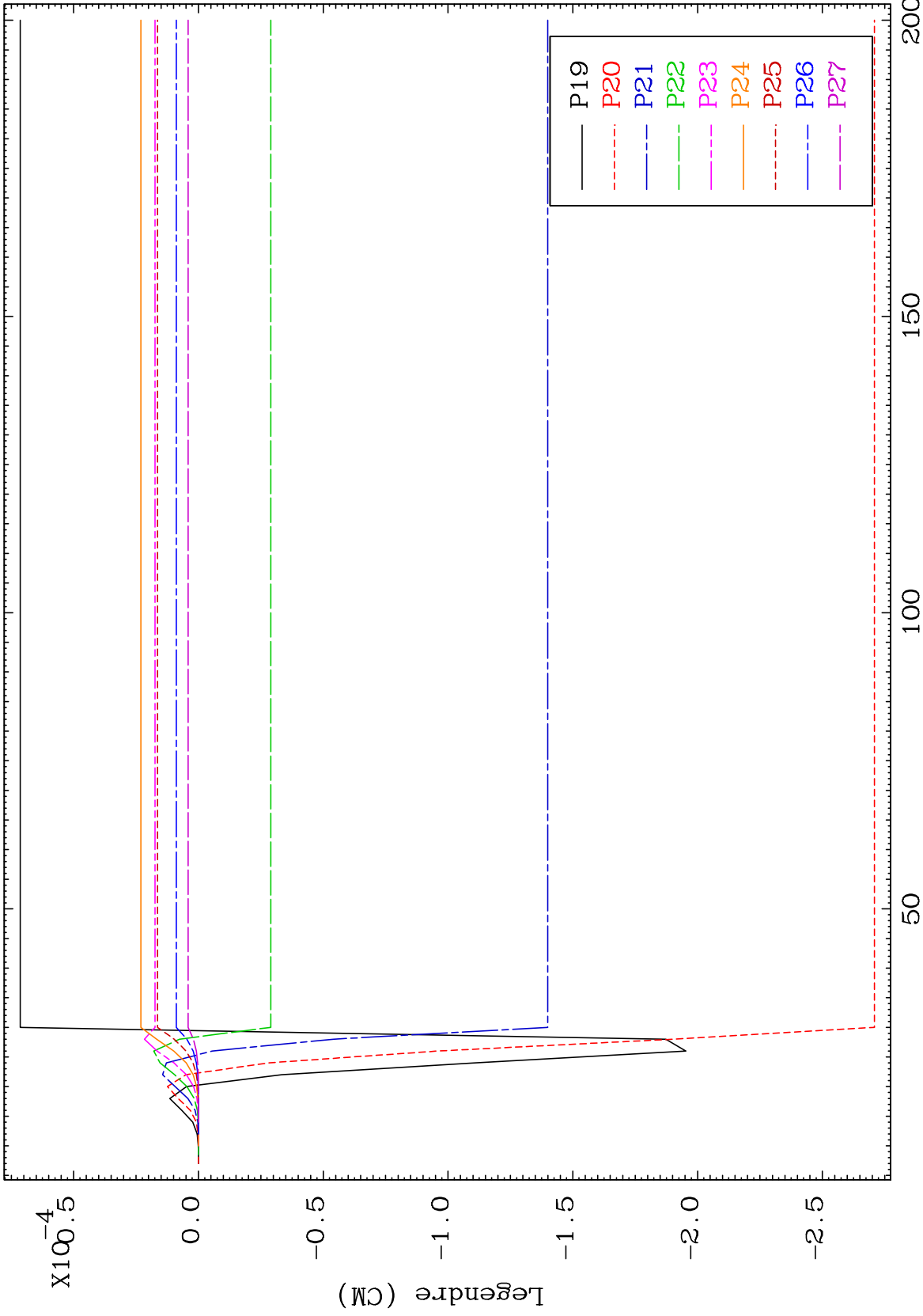
Incident Energy (MeV)

70-Yb-164

MAT 7013

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

70-Yb-164



30

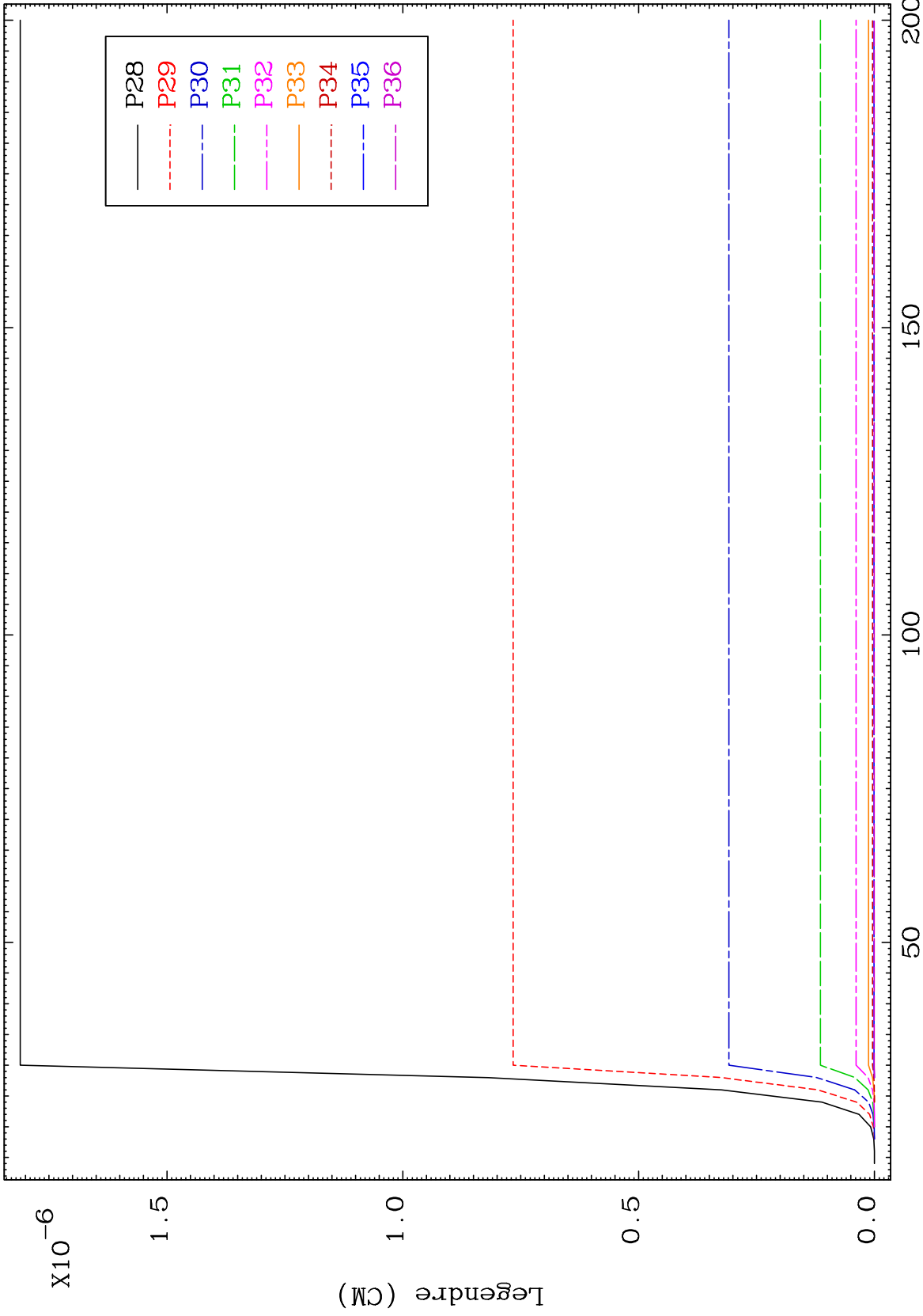
Incident Energy (MeV)

70-Yb-164

MAT 7013

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

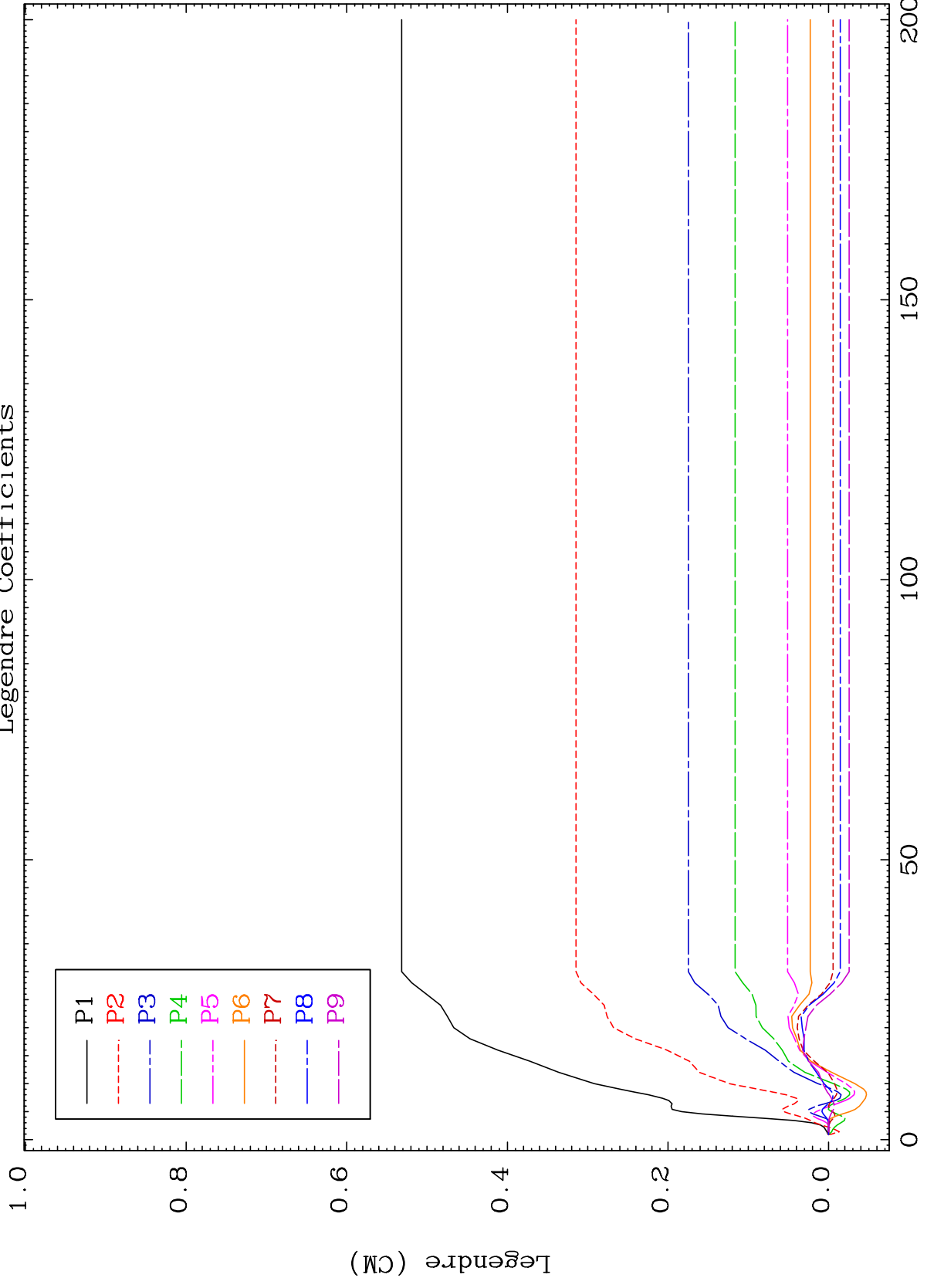
70-Yb-164



31

70-Yb-164

MAT 7013 MT= 54 (n,n') Level Legendre Coefficients 70-Yb-164

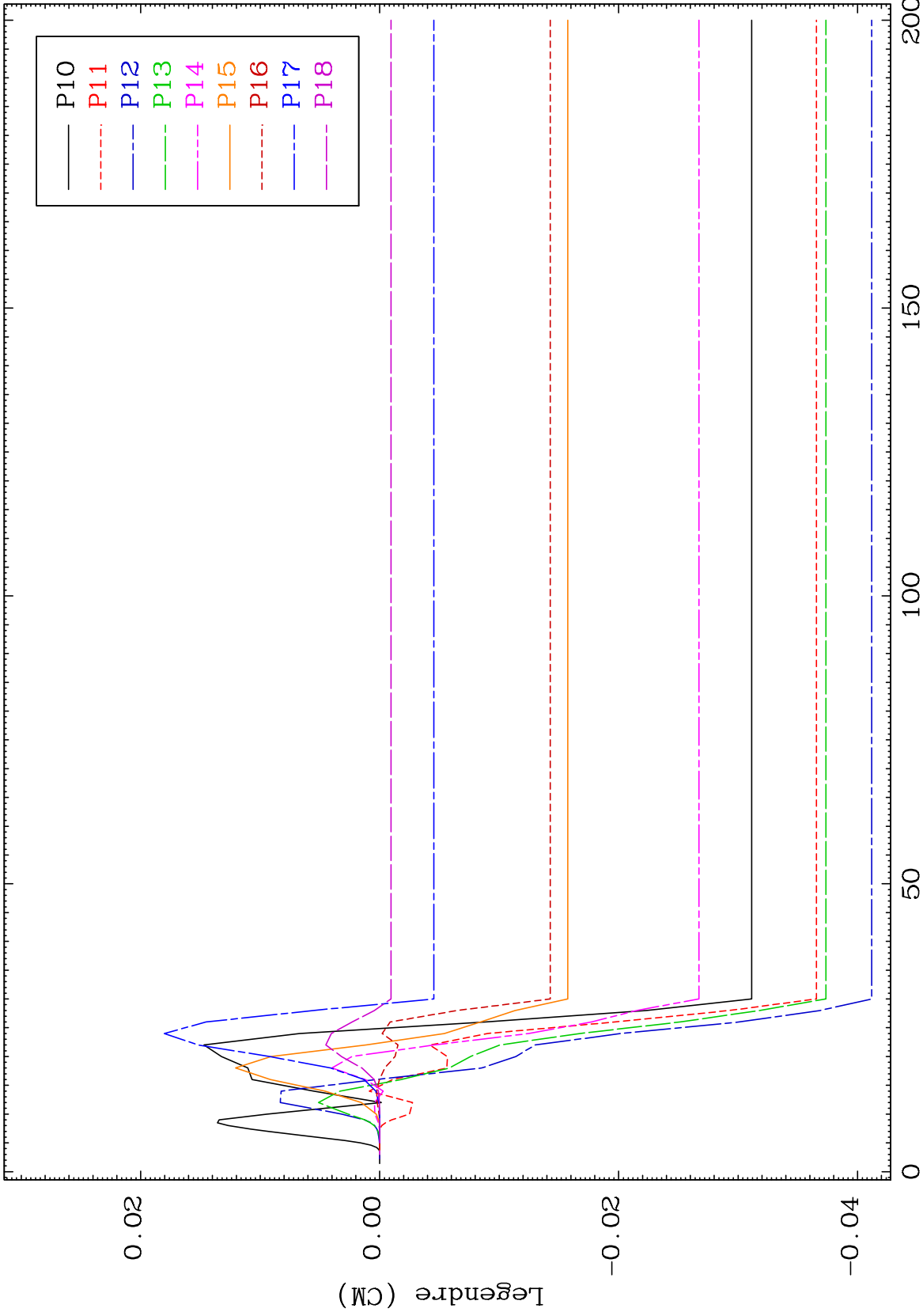


32 Incident Energy (MeV) 70-Yb-164

MAT 7013

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

70-Yb-164



33

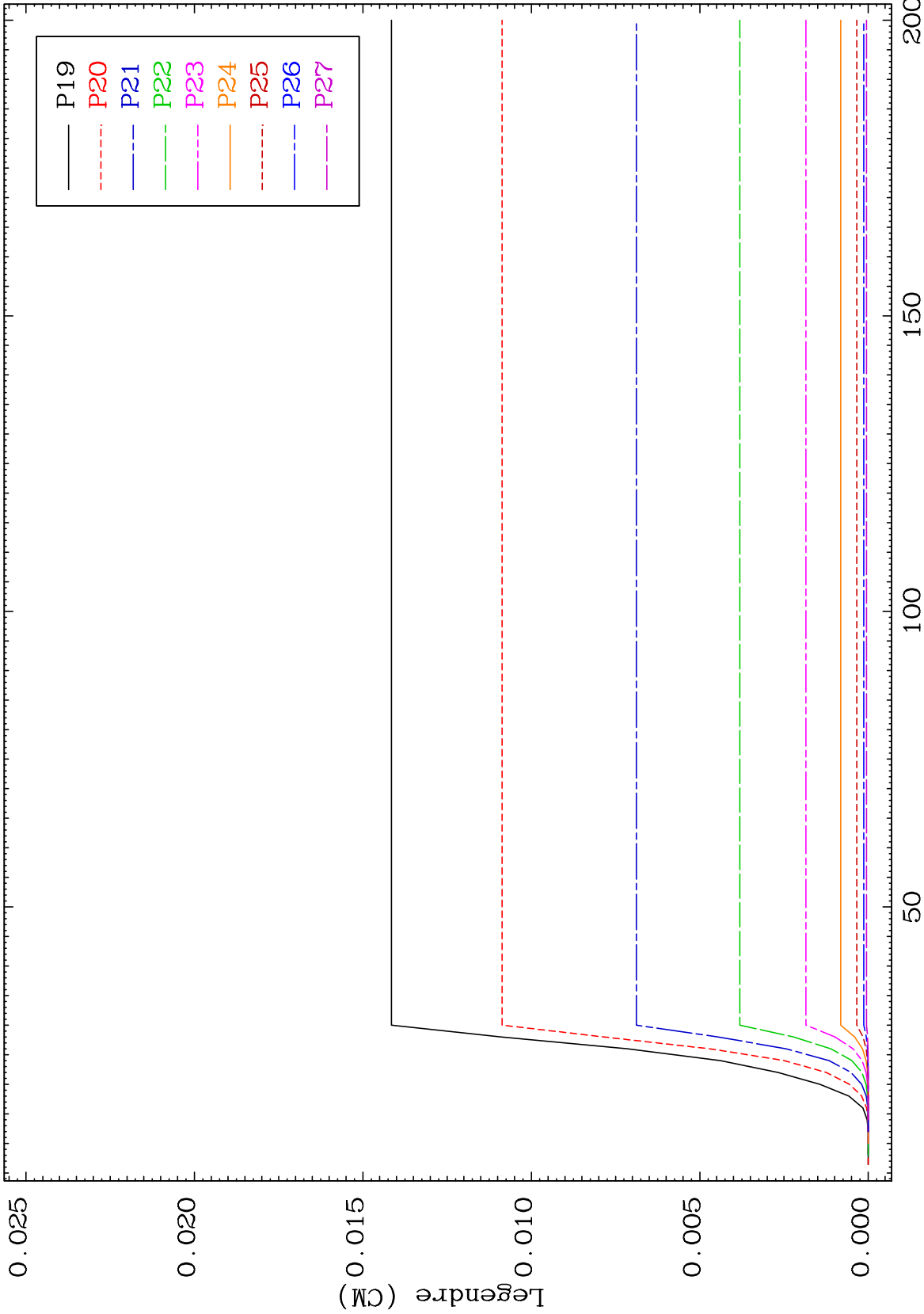
Incident Energy (MeV)

70-Yb-164

MAT 7013

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

70-Yb-164



34

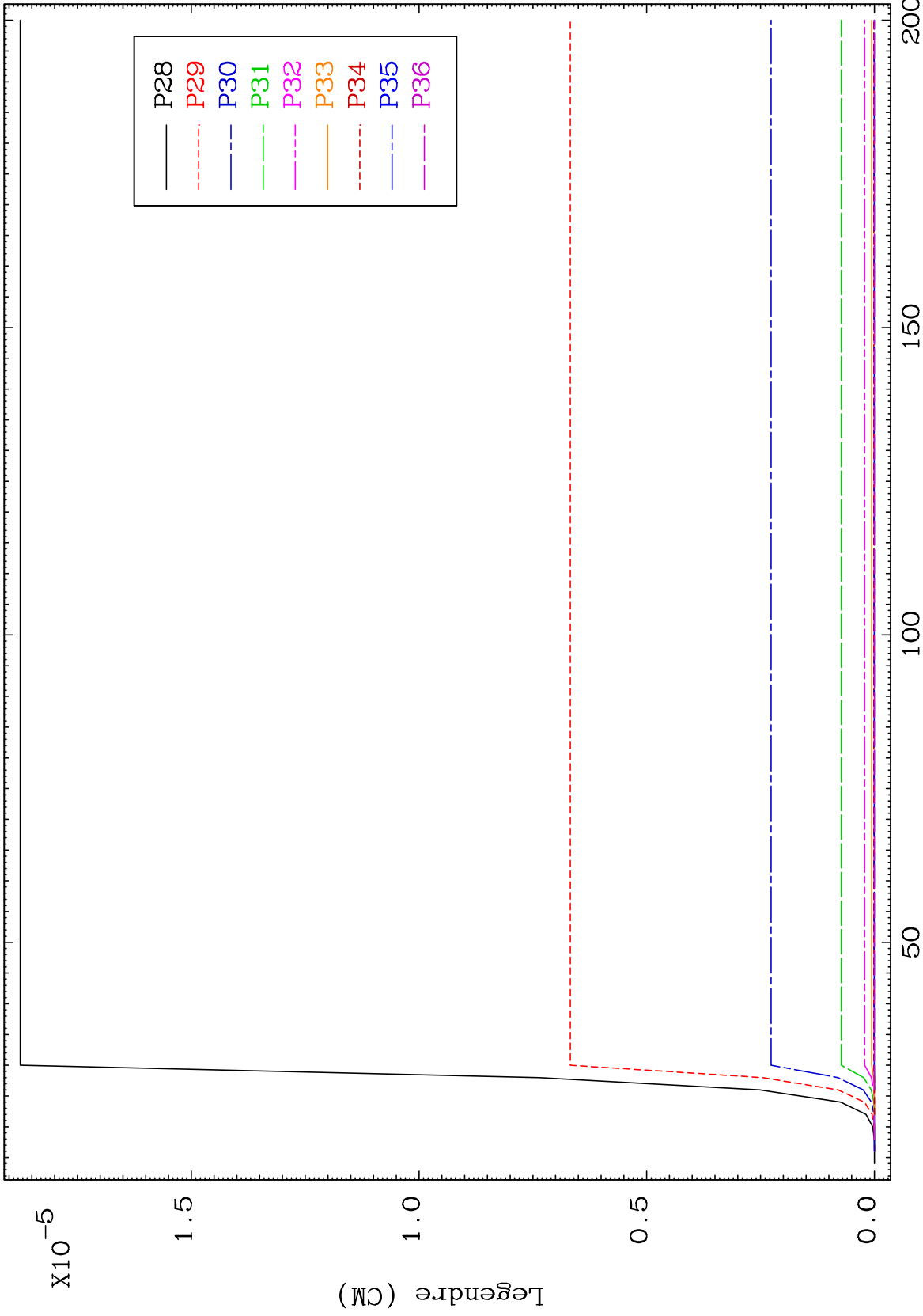
Incident Energy (MeV)

70-Yb-164

MAT 7013

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

70-Yb-164

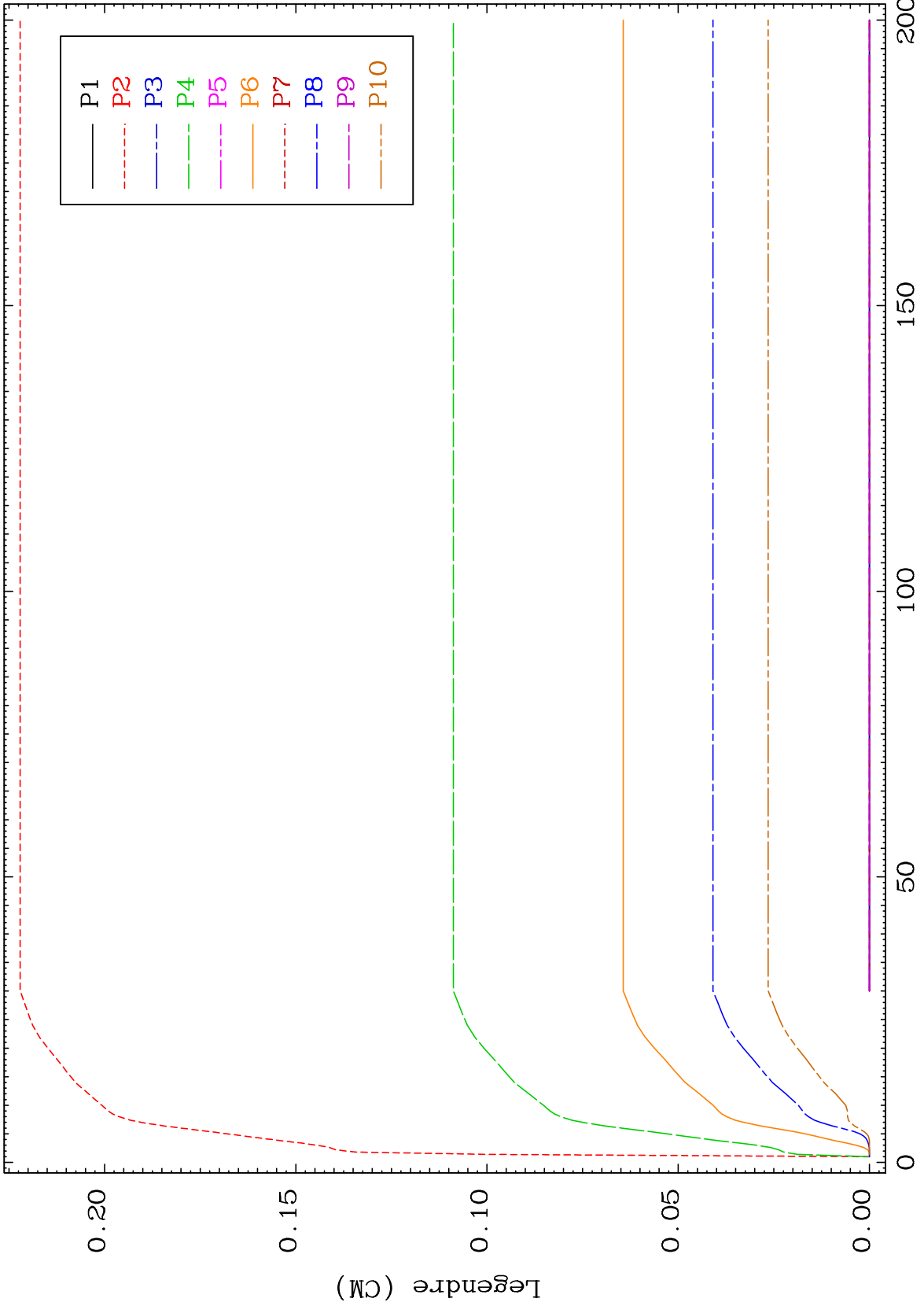


35

Incident Energy (MeV)

70-Yb-164

MAT 7013 MT= 55 (n,n') Level Legendre Coefficients 70-Yb-164

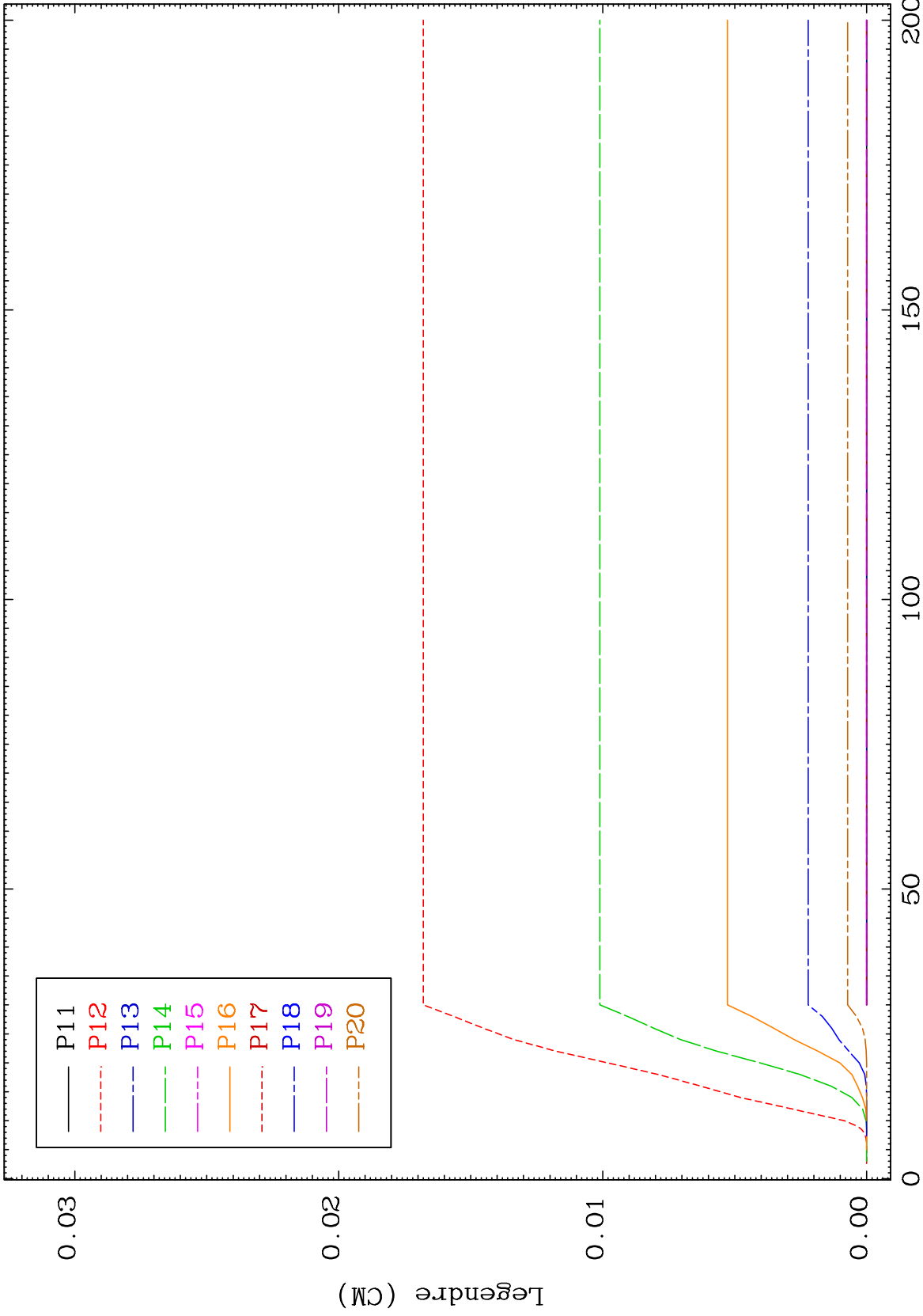


36 Incident Energy (MeV) 70-Yb-164

MAT 7013

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

70-Yb-164

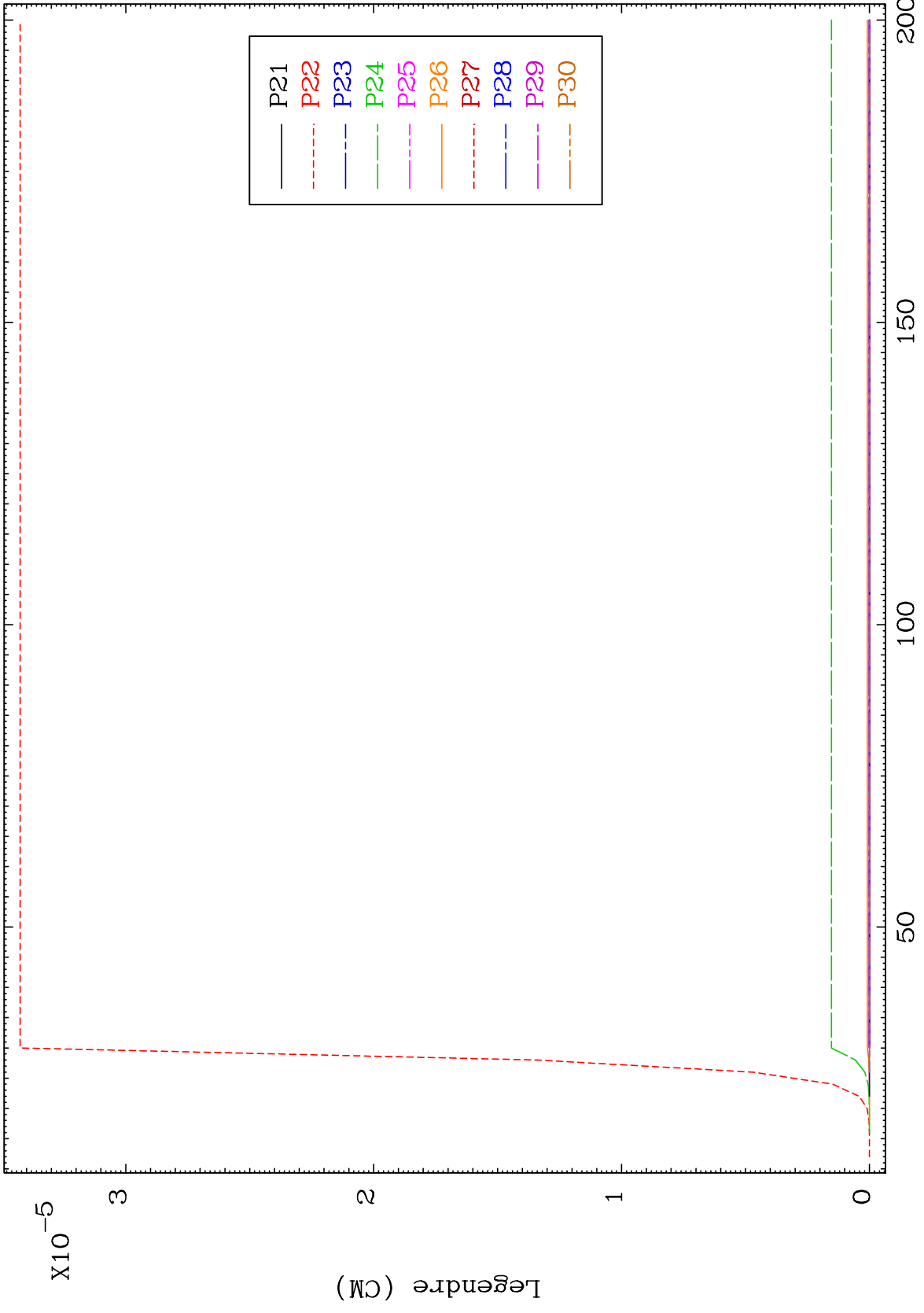


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Incident Energy (MeV)

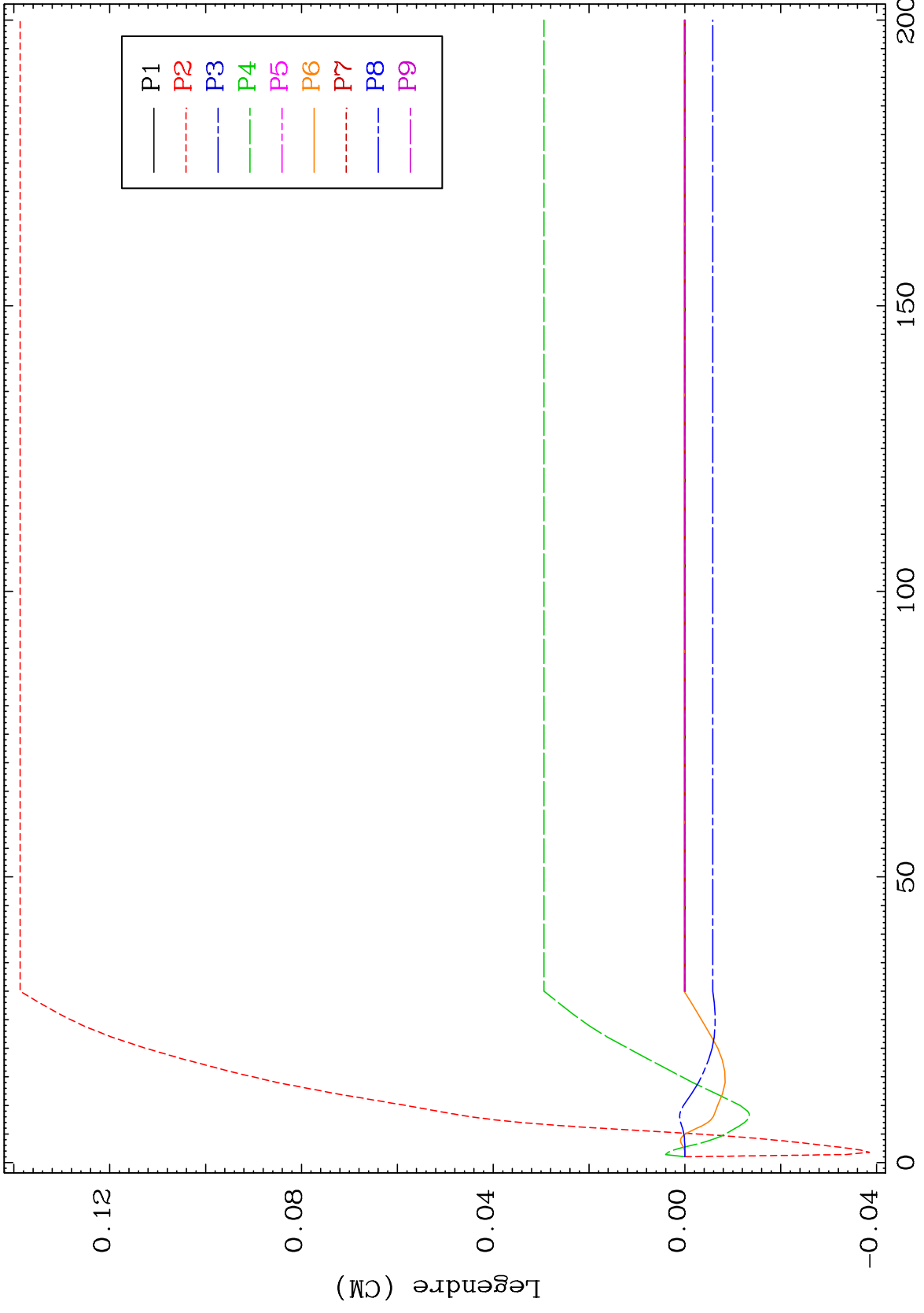
70-Yb-164

MAT 7013 MT= 55 (n,n') Level Legendre Coefficients 70-Yb-164



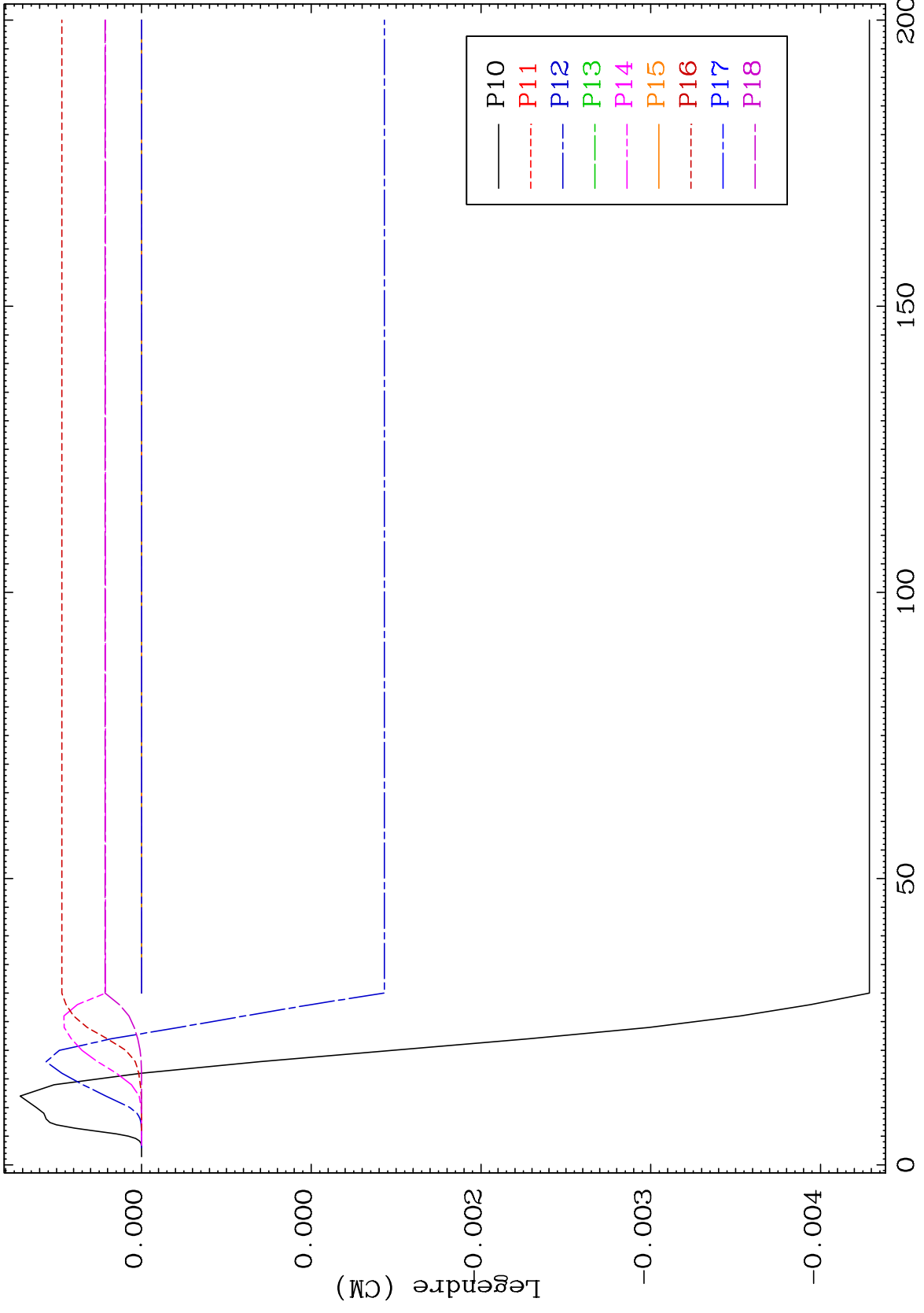
38 Incident Energy (MeV) 70-Yb-164

MAT 7013 MT= 56 (n,n') Level Legendre Coefficients 70-Yb-164



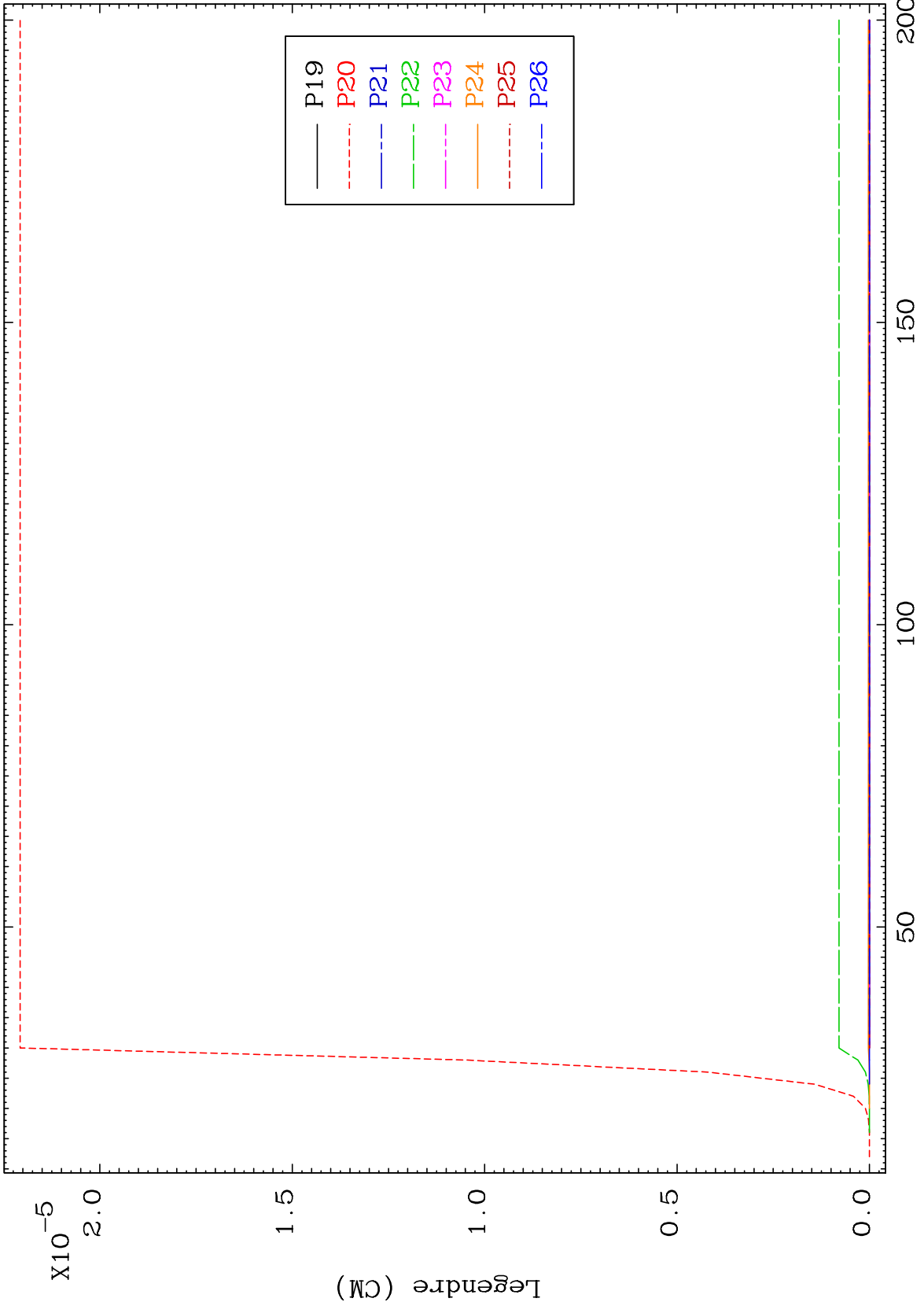
39 Incident Energy (MeV) 70-Yb-164

MAT 7013 MT= 56 (n,n') Level Legendre Coefficients 70-Yb-164



40 70-Yb-164

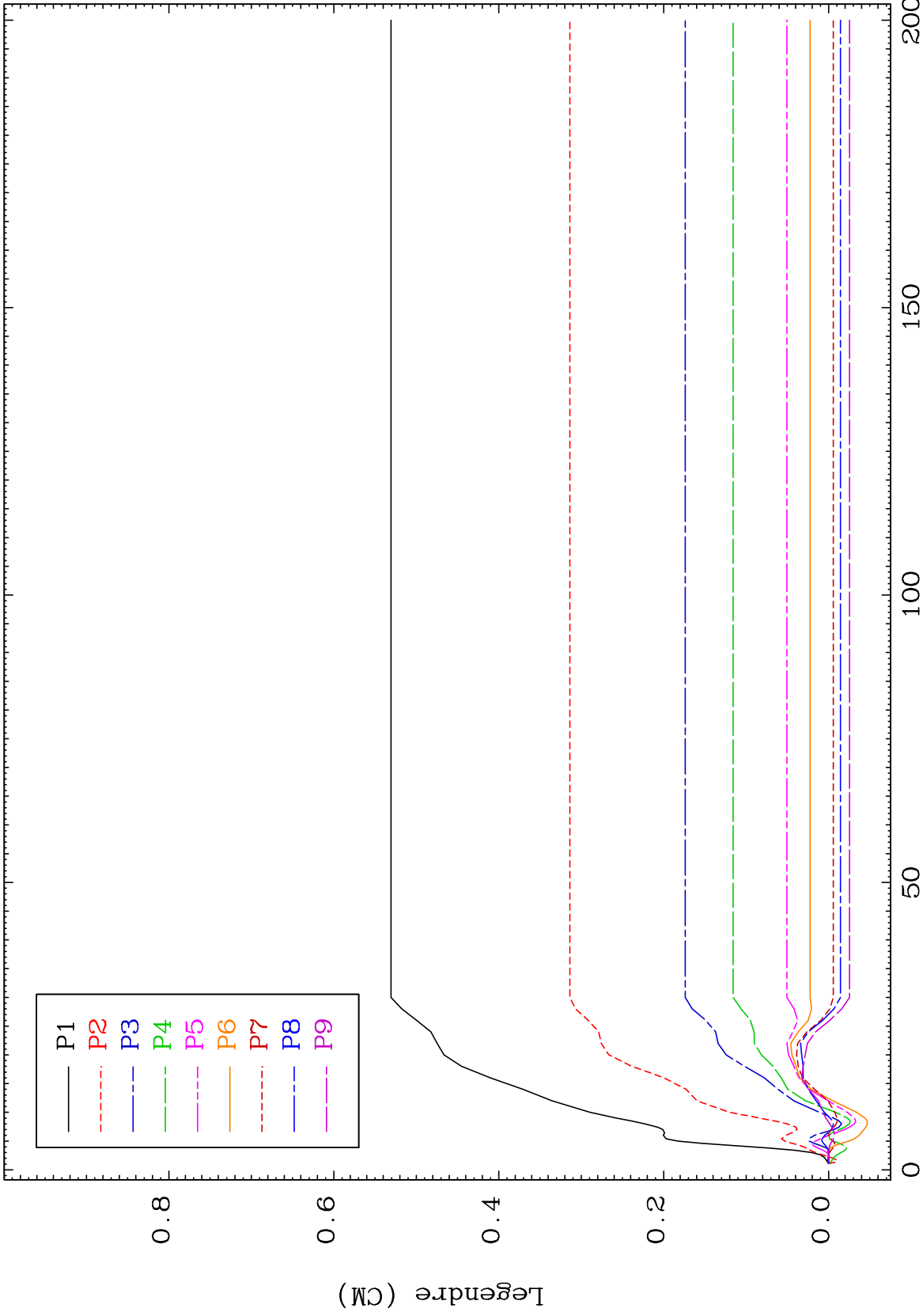
MAT 7013 MT= 56 (n,n') Level Legendre Coefficients 70-Yb-164



MAT 7013

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

70-Yb-164



42

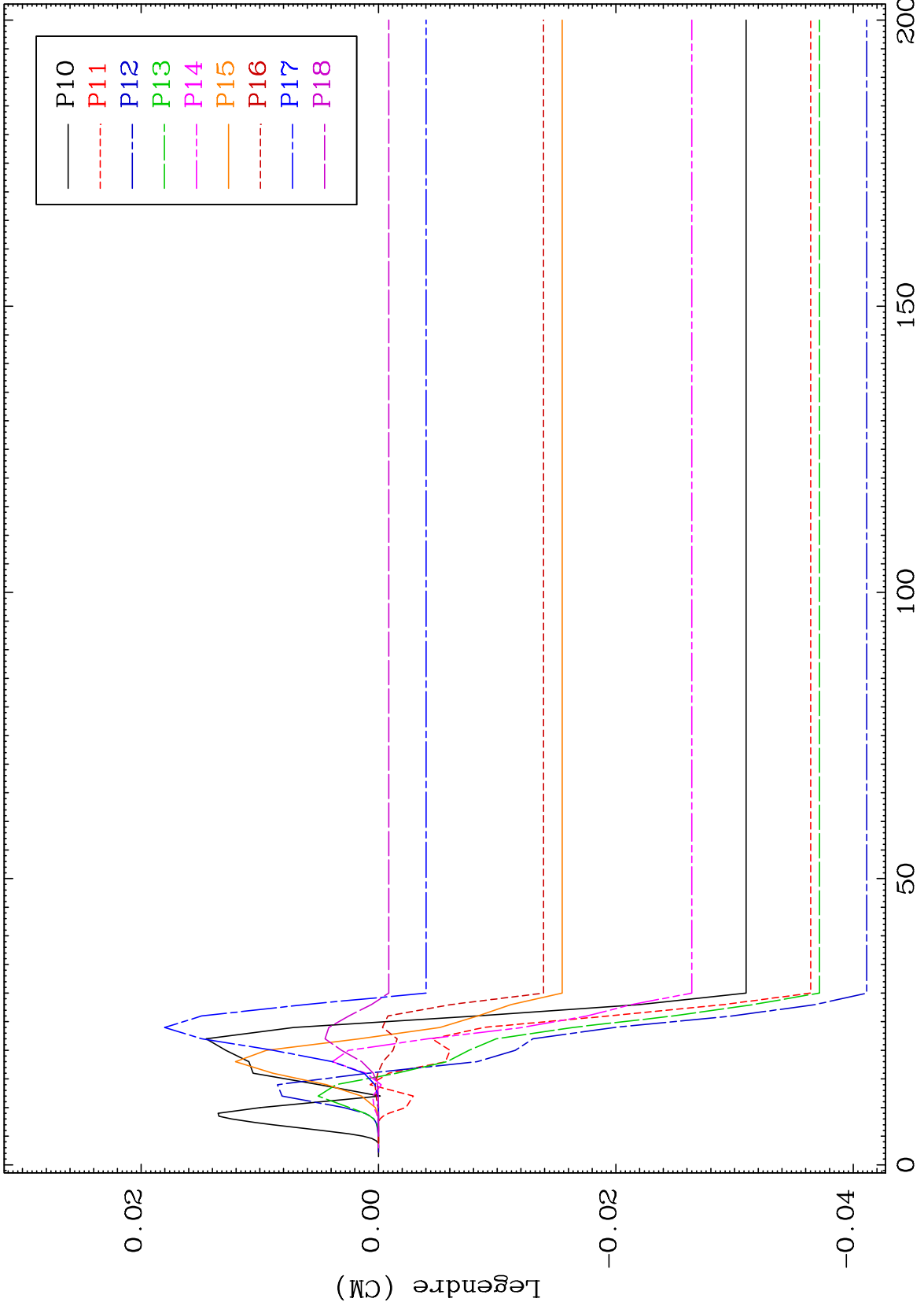
Incident Energy (MeV)

70-Yb-164

MAT 7013

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

70-Yb-164



43

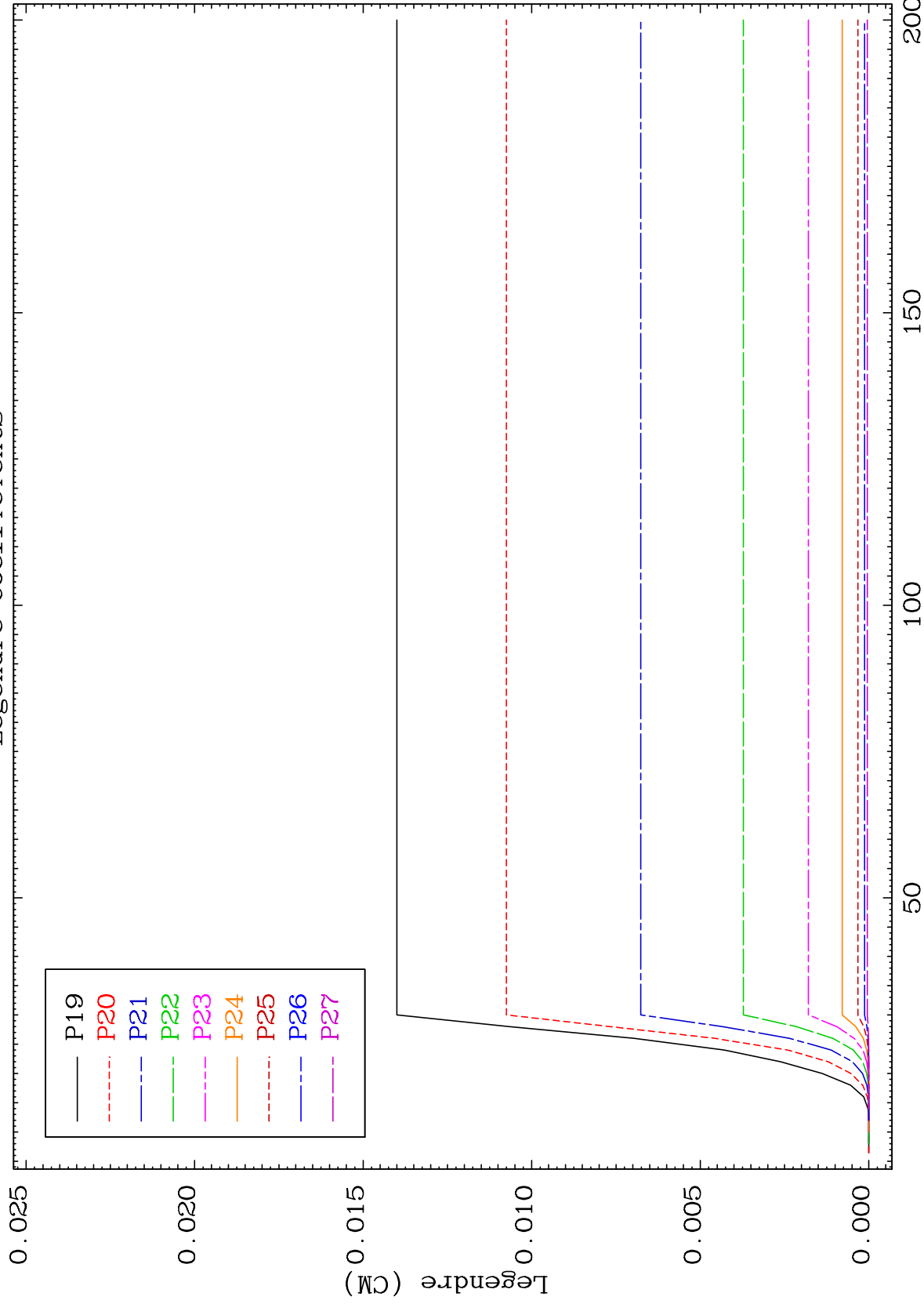
Incident Energy (MeV)

70-Yb-164

MAT 7013

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

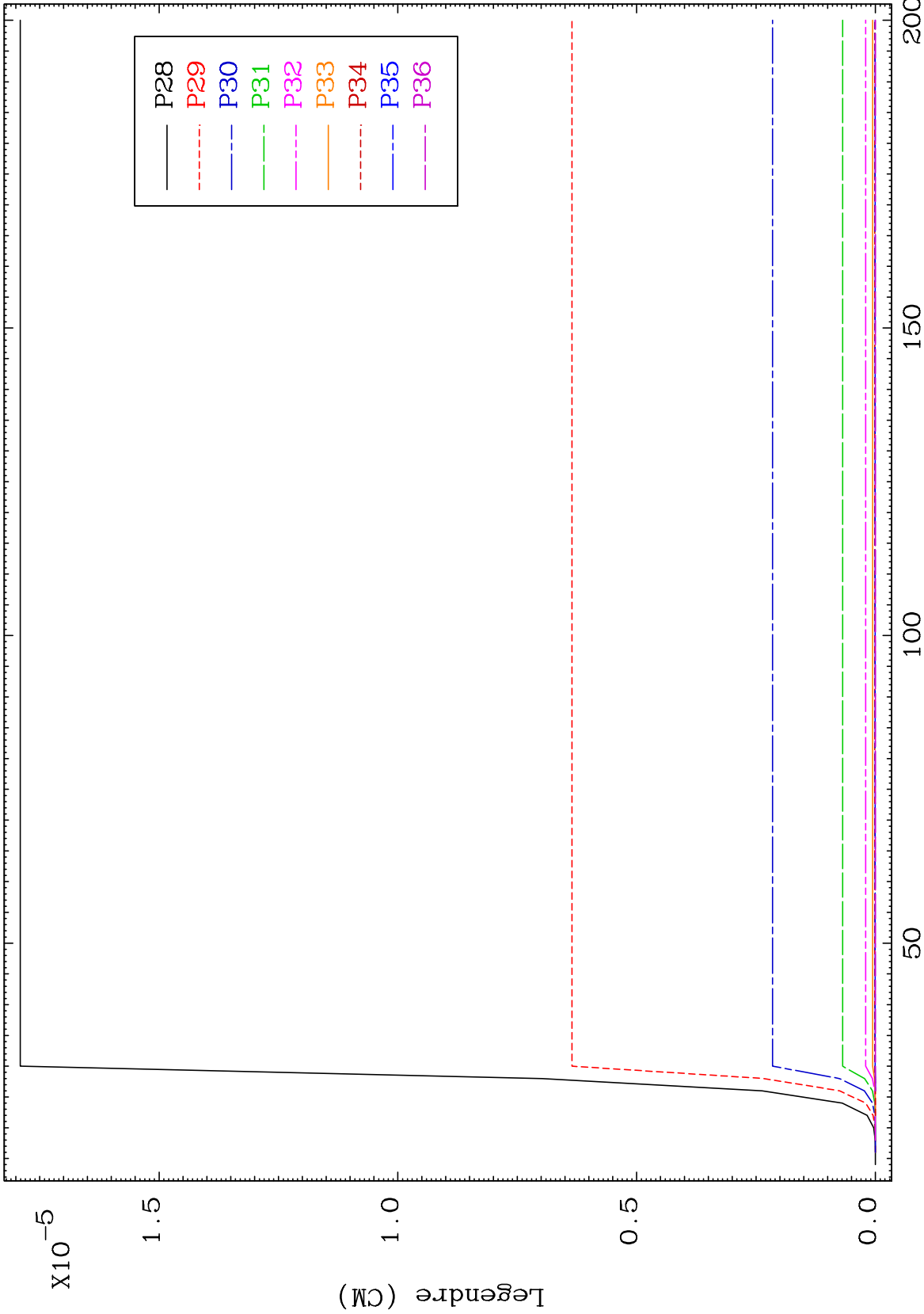
70-Yb-164



MAT 7013

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

70-Yb-164



45

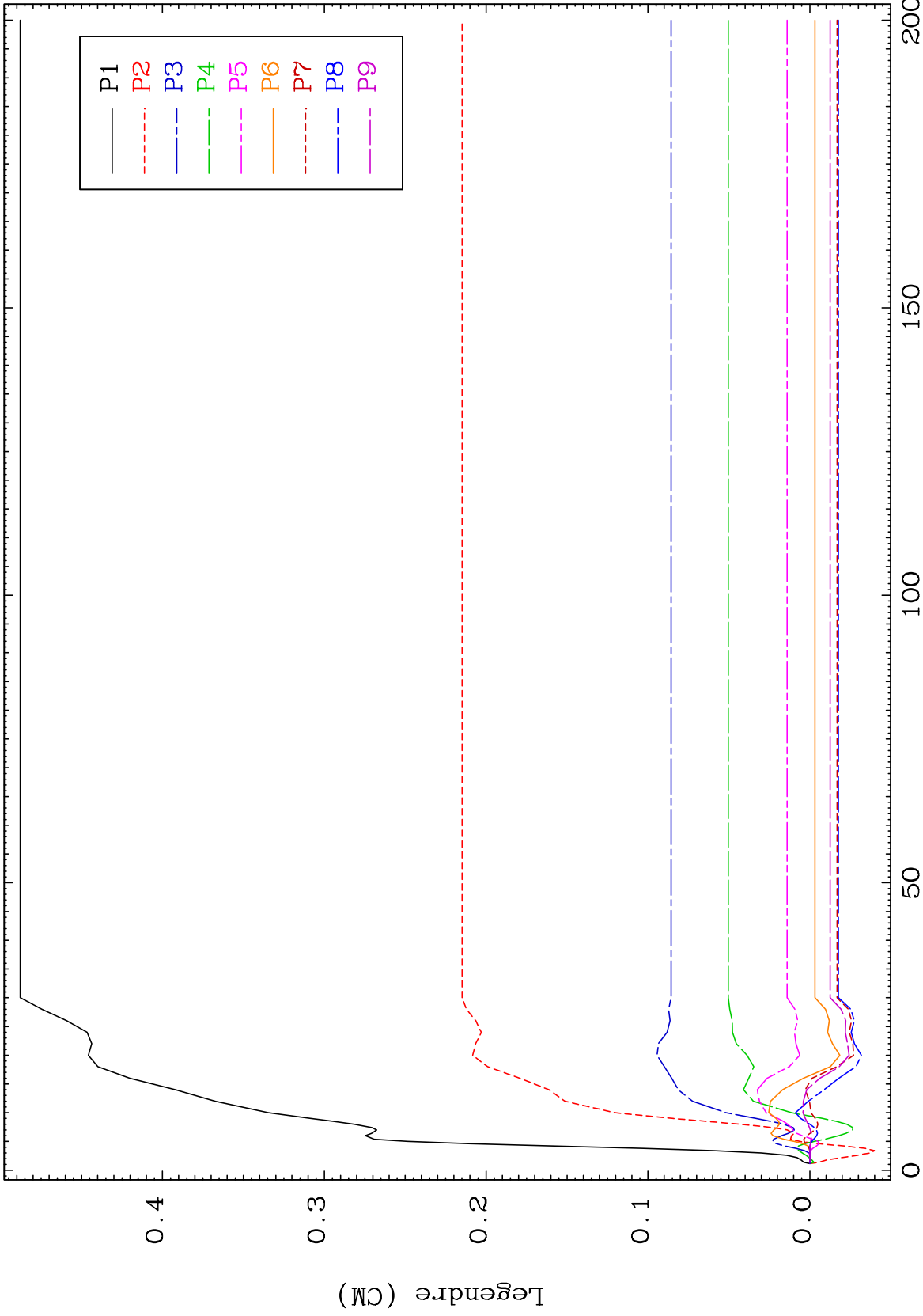
Incident Energy (MeV)

70-Yb-164

MAT 7013

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

70-Yb-164

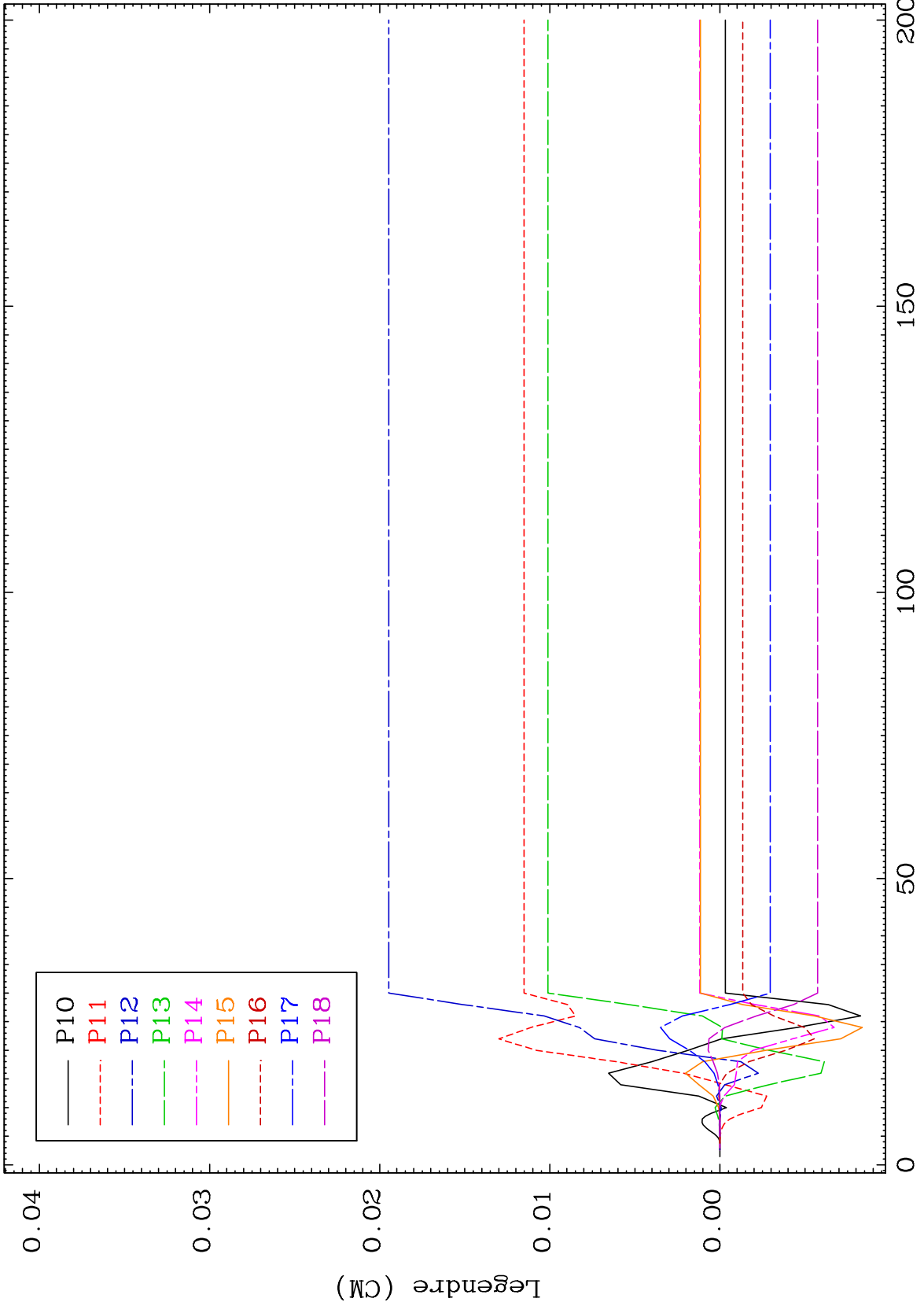


46

Incident Energy (MeV)

70-Yb-164

MAT 7013 MT= 58 (n,n') Level Legendre Coefficients 70-Yb-164

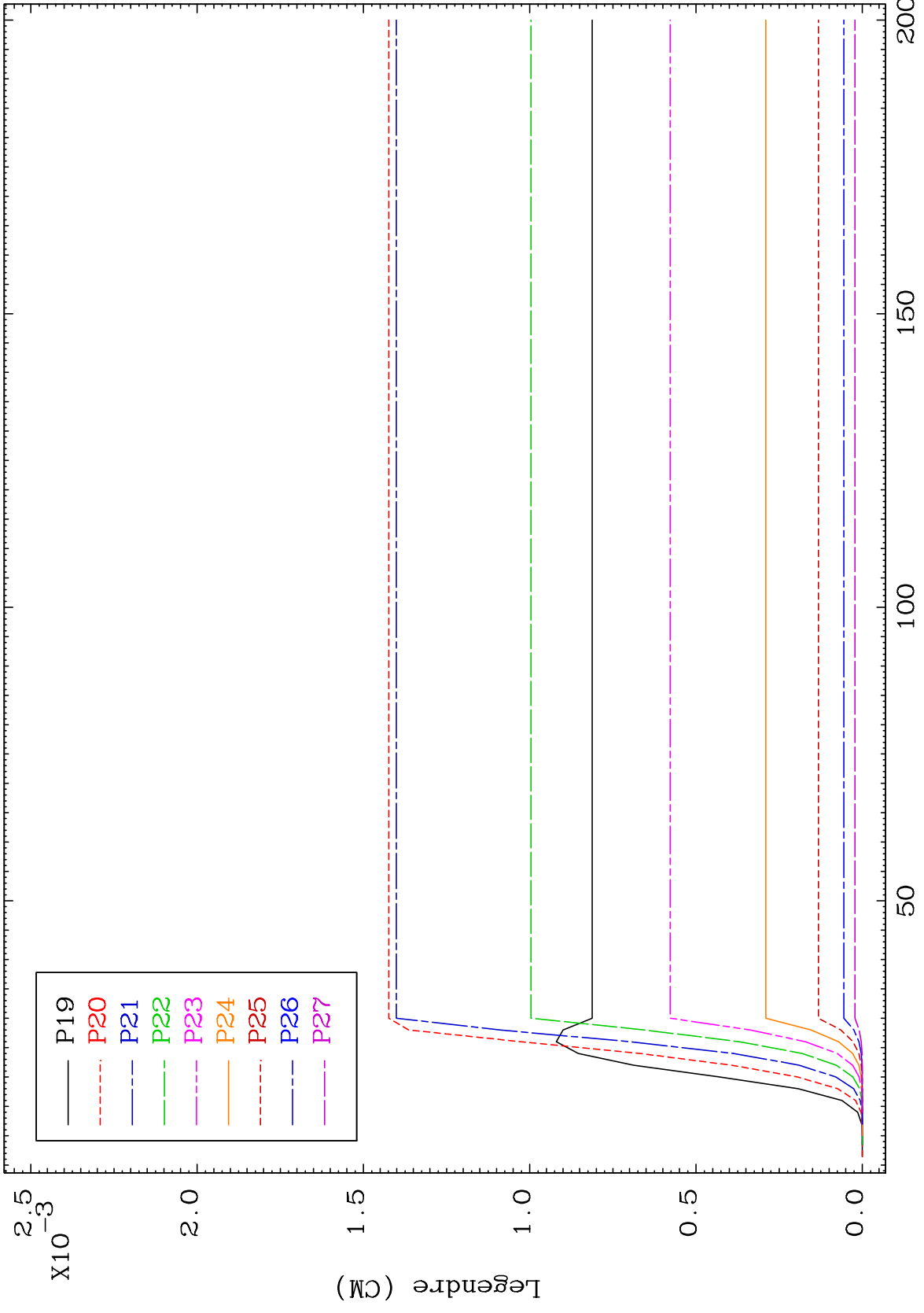


47

MAT 7013

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

70-Yb-164



48

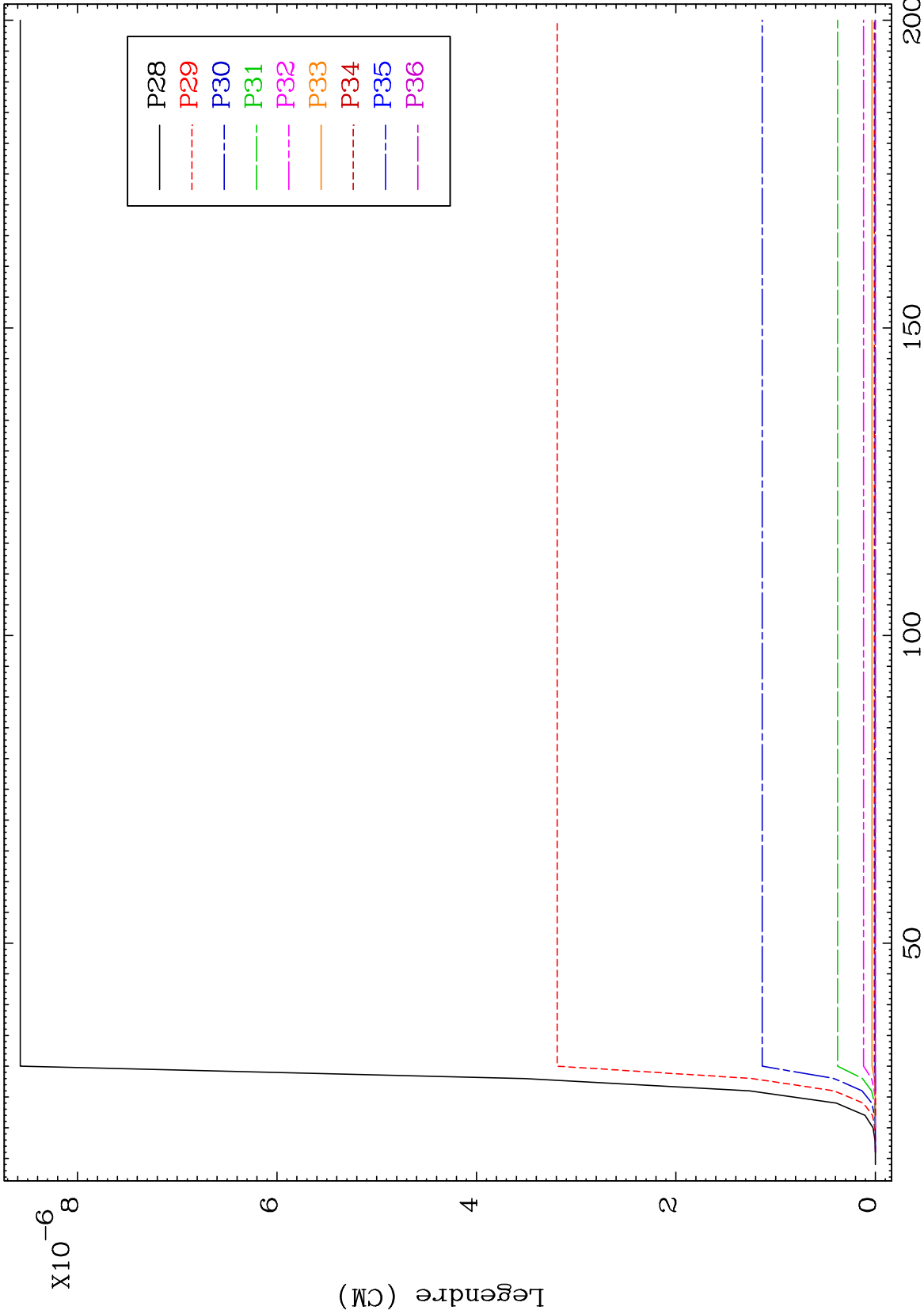
Incident Energy (MeV)

70-Yb-164

MAT 7013

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

70-Yb-164

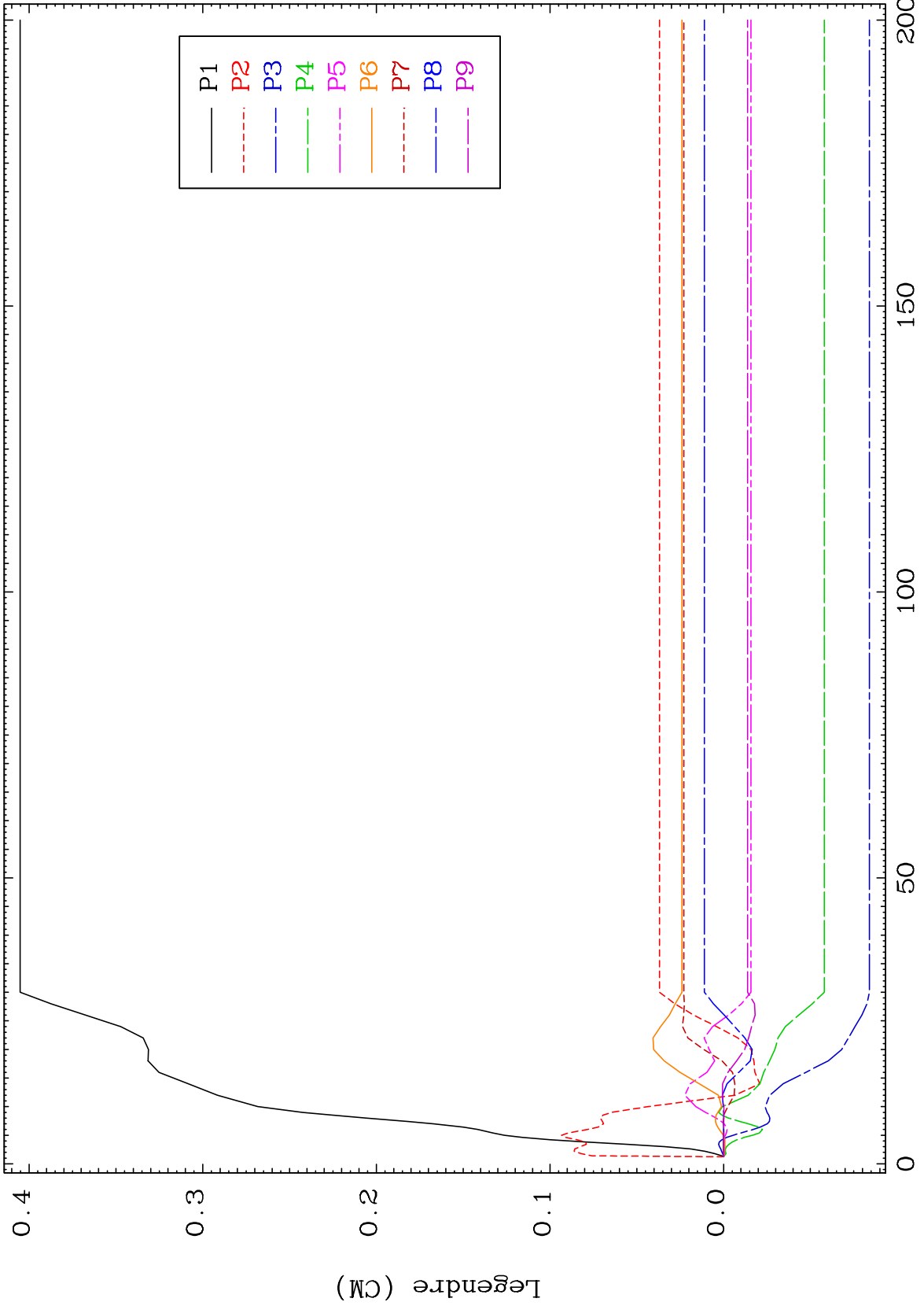


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Incident Energy (MeV)

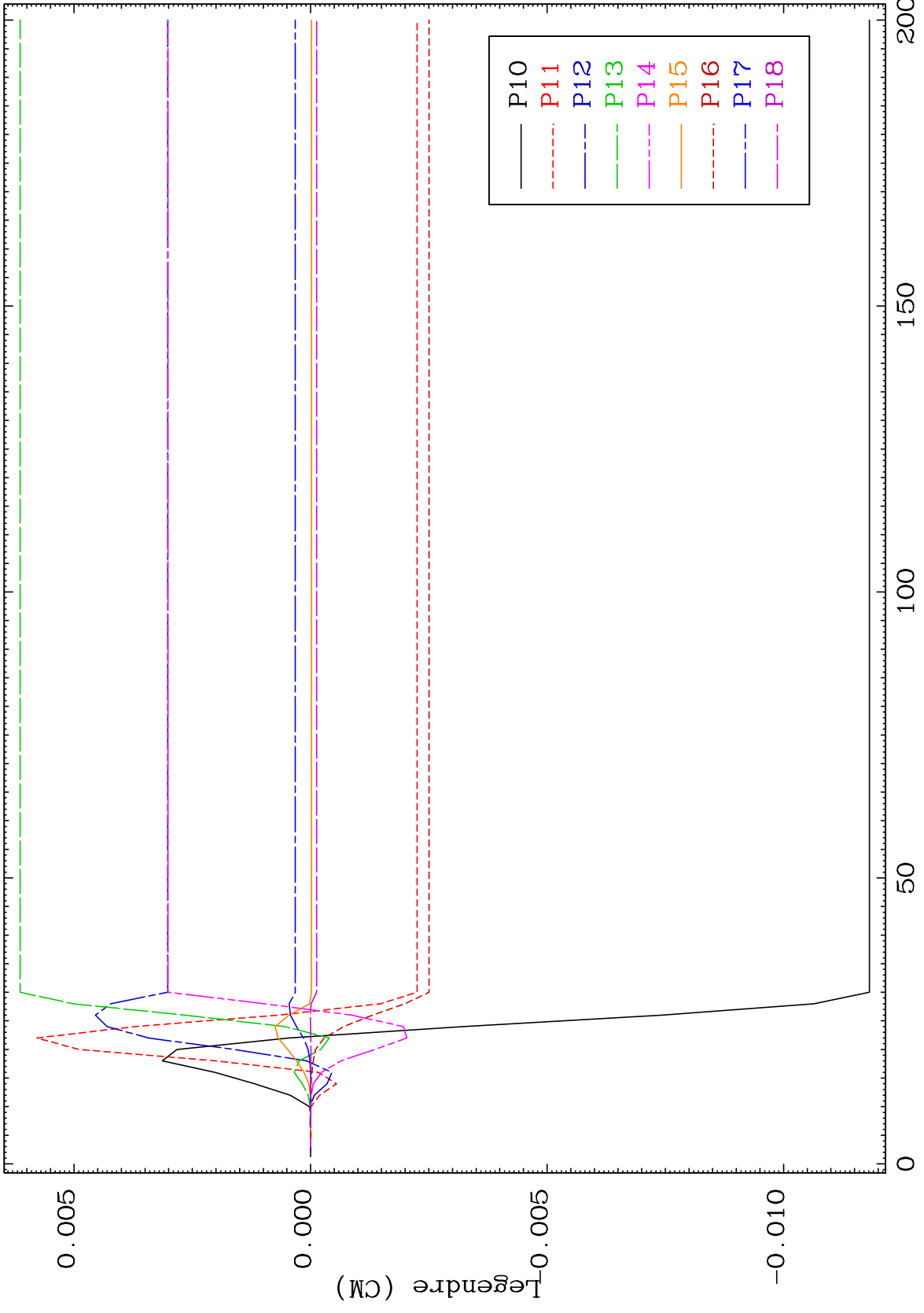
70-Yb-164

MAT 7013 MT= 59 (n,n') Level Legendre Coefficients 70-Yb-164



70-Yb-164

MAT 7013 MT= 59 (n,n') Level Legendre Coefficients 70-Yb-164

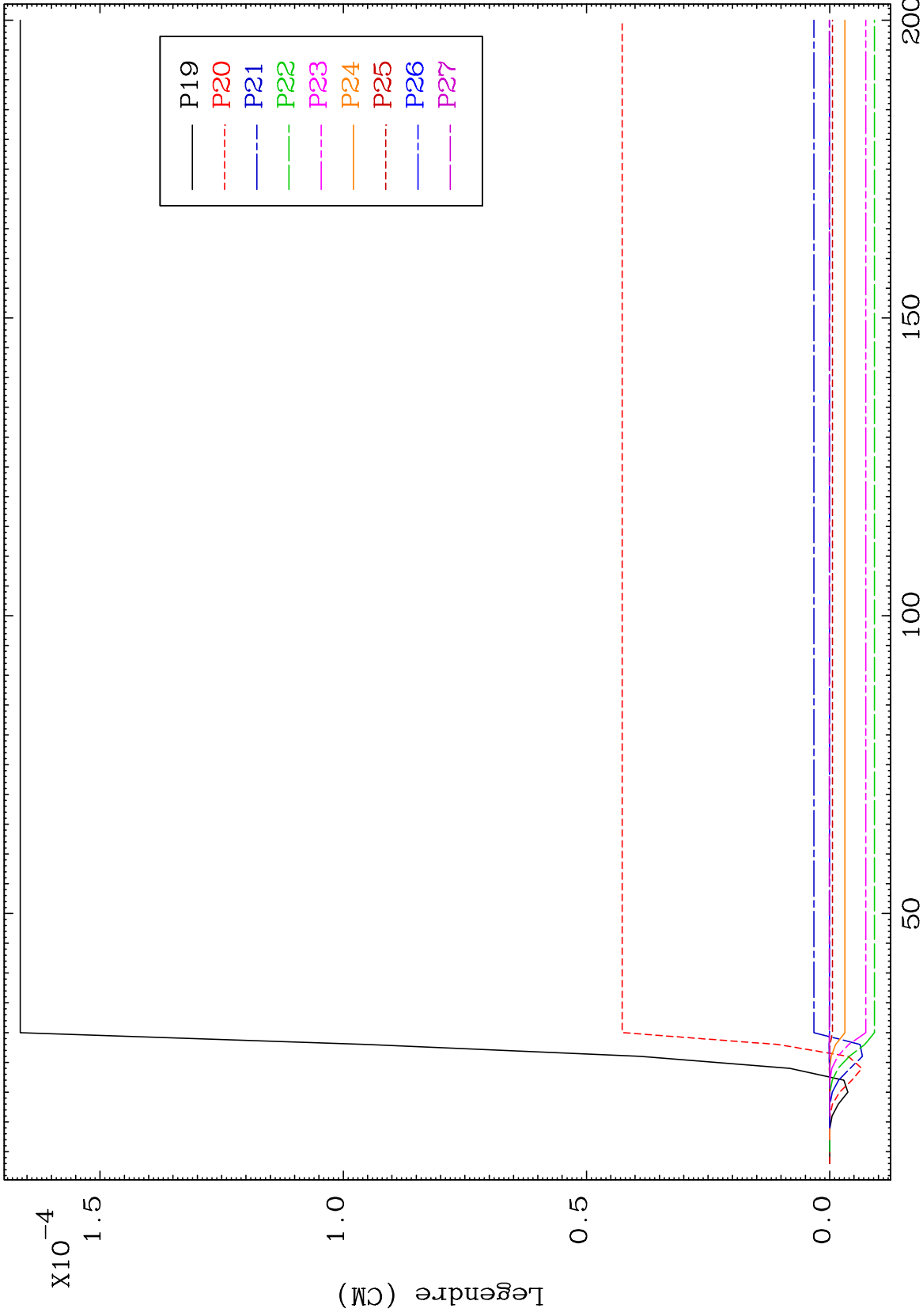


51 70-Yb-164

MAT 7013

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

70-Yb-164



52

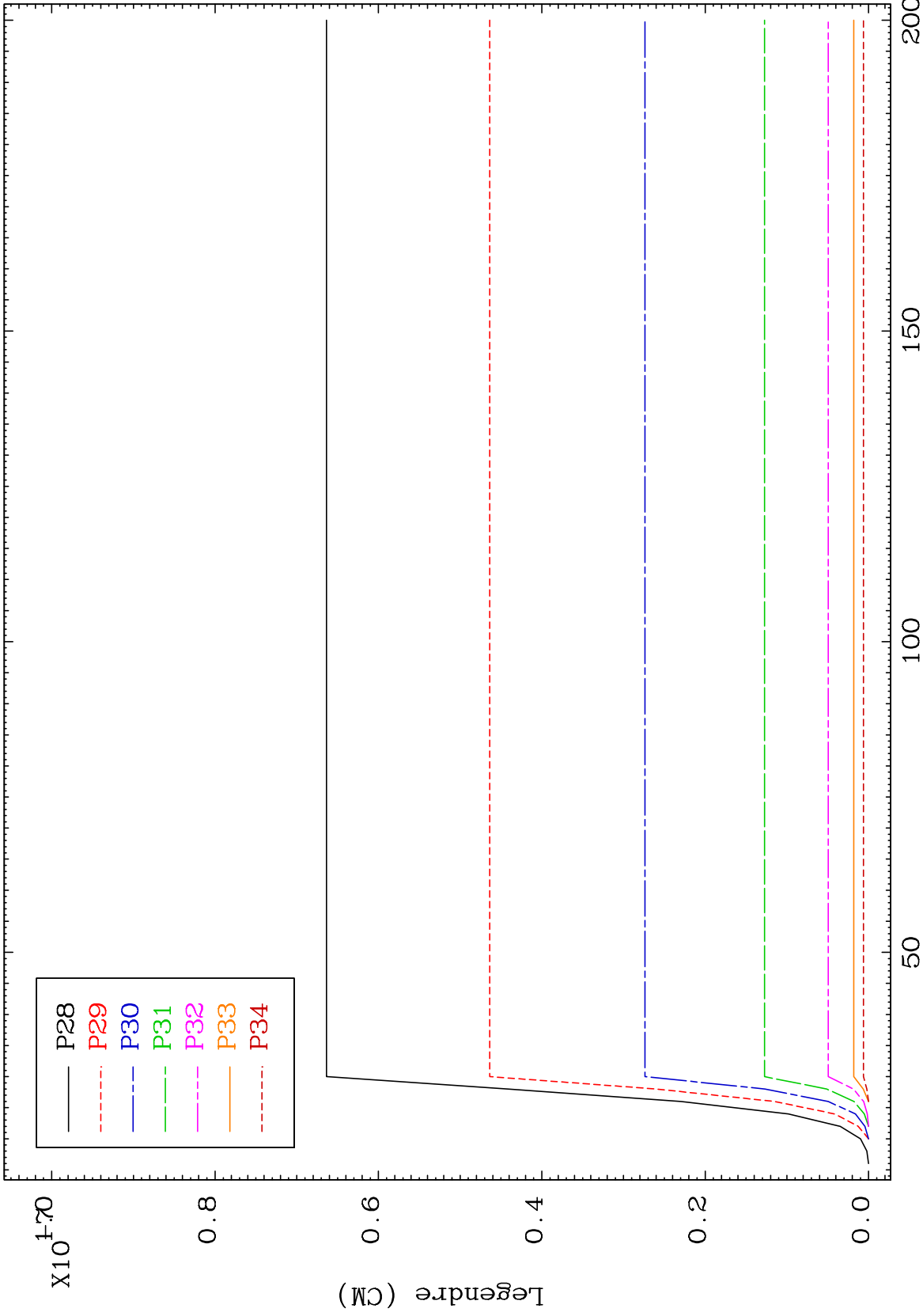
Incident Energy (MeV)

70-Yb-164

MAT 7013

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

70-Yb-164

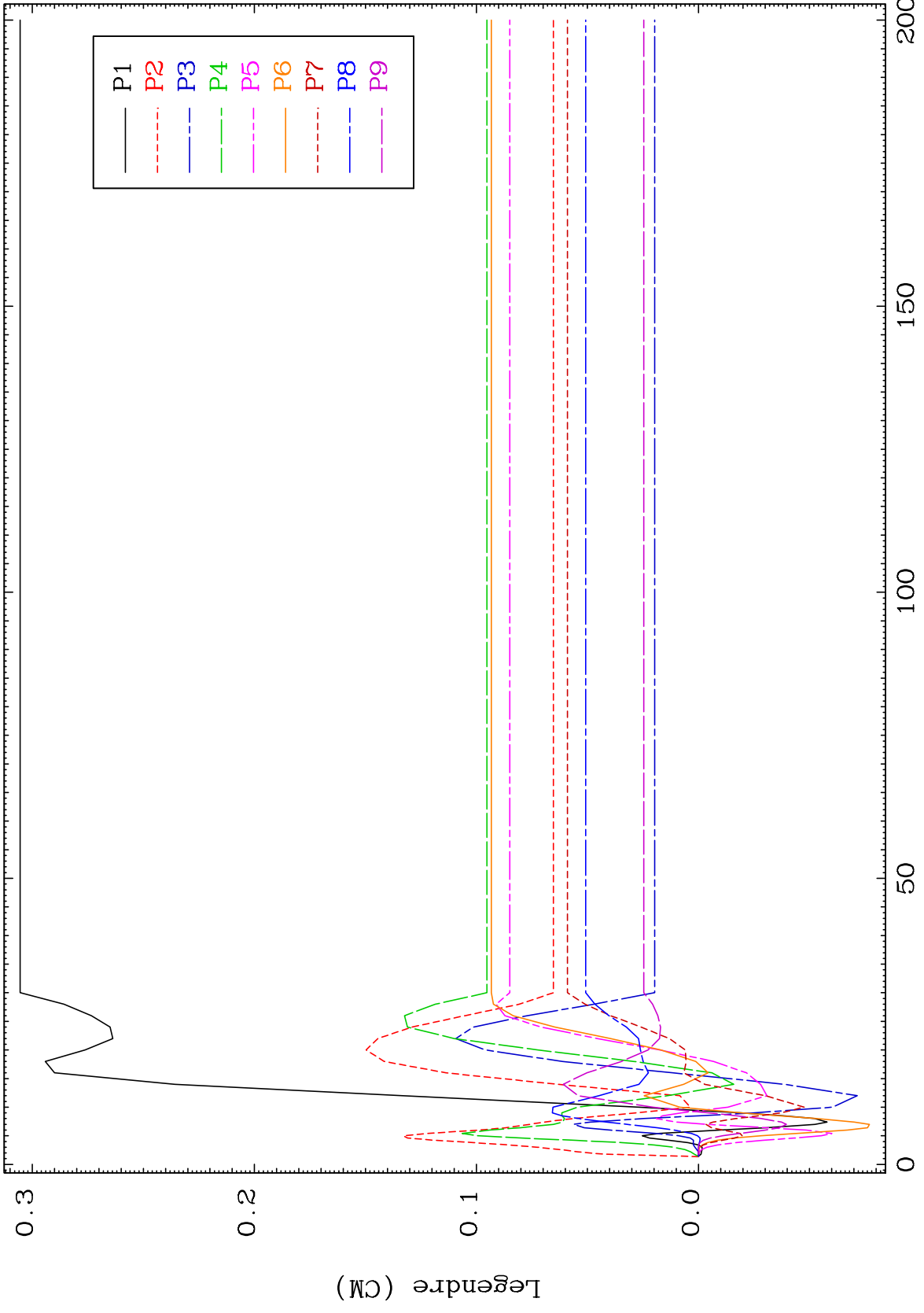


53

Incident Energy (MeV)

70-Yb-164

MAT 7013 MT= 60 (n,n') Level Legendre Coefficients 70-Yb-164

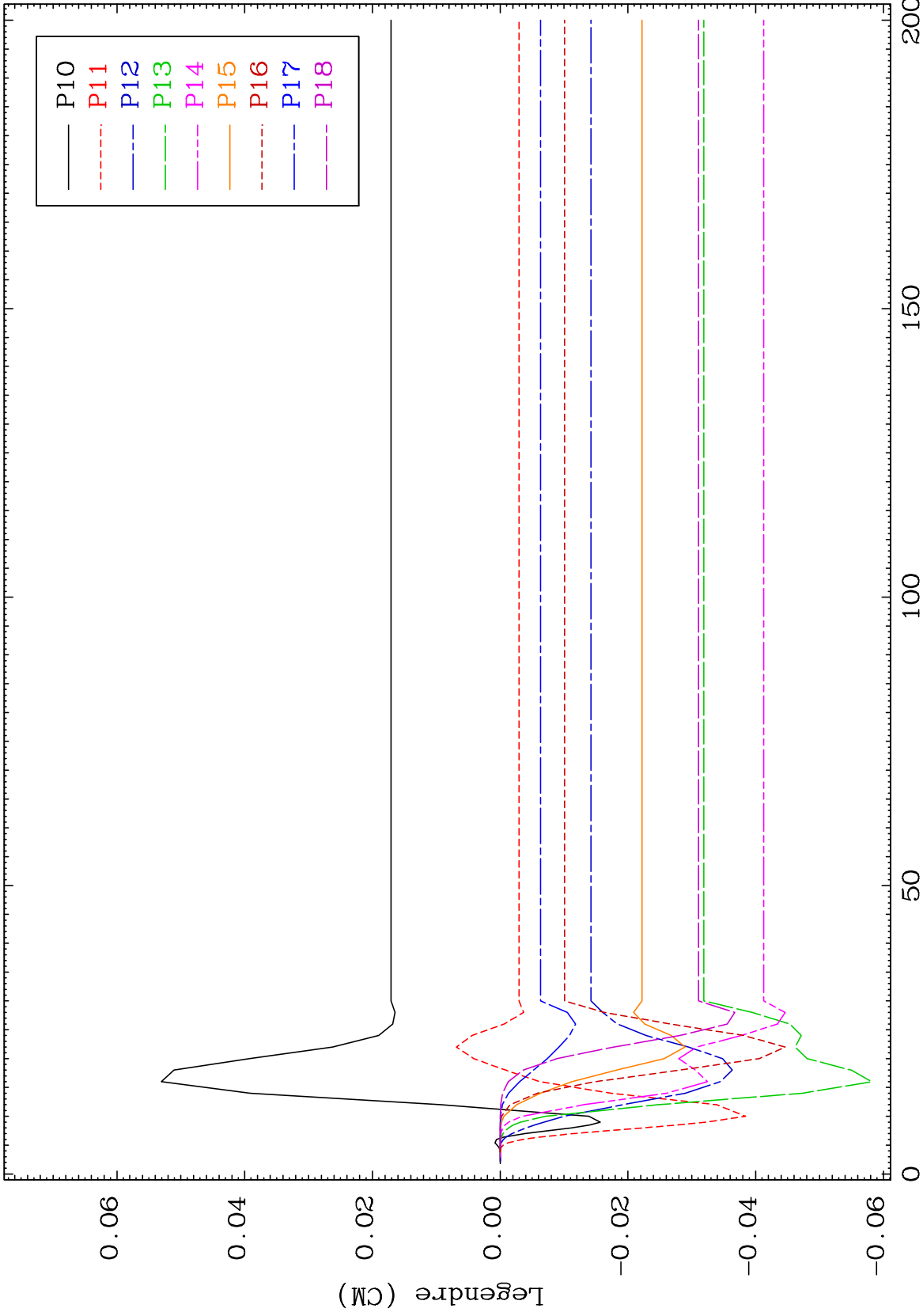


54 Incident Energy (MeV) 70-Yb-164

MAT 7013

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

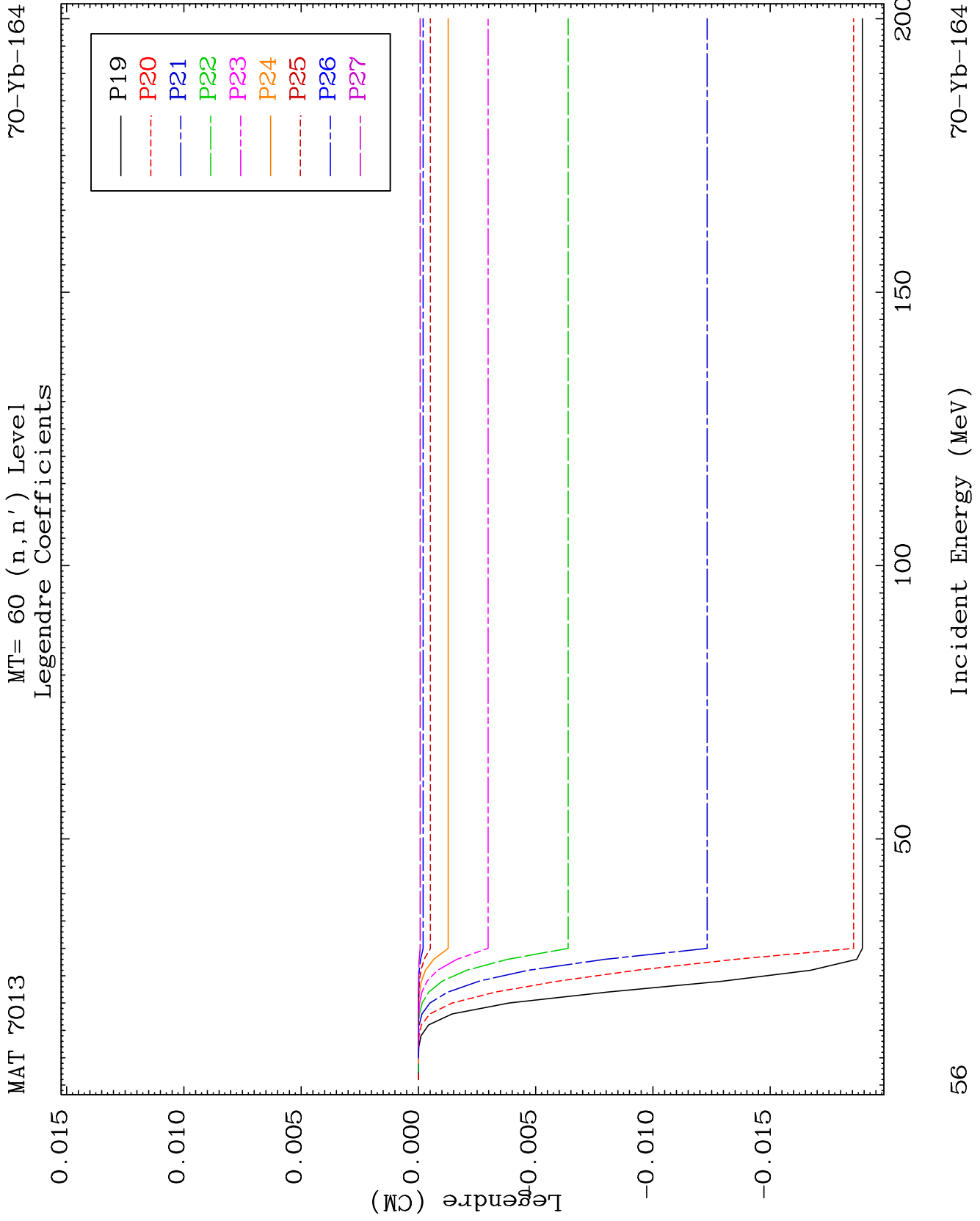
70-Yb-164



55

Incident Energy (MeV)

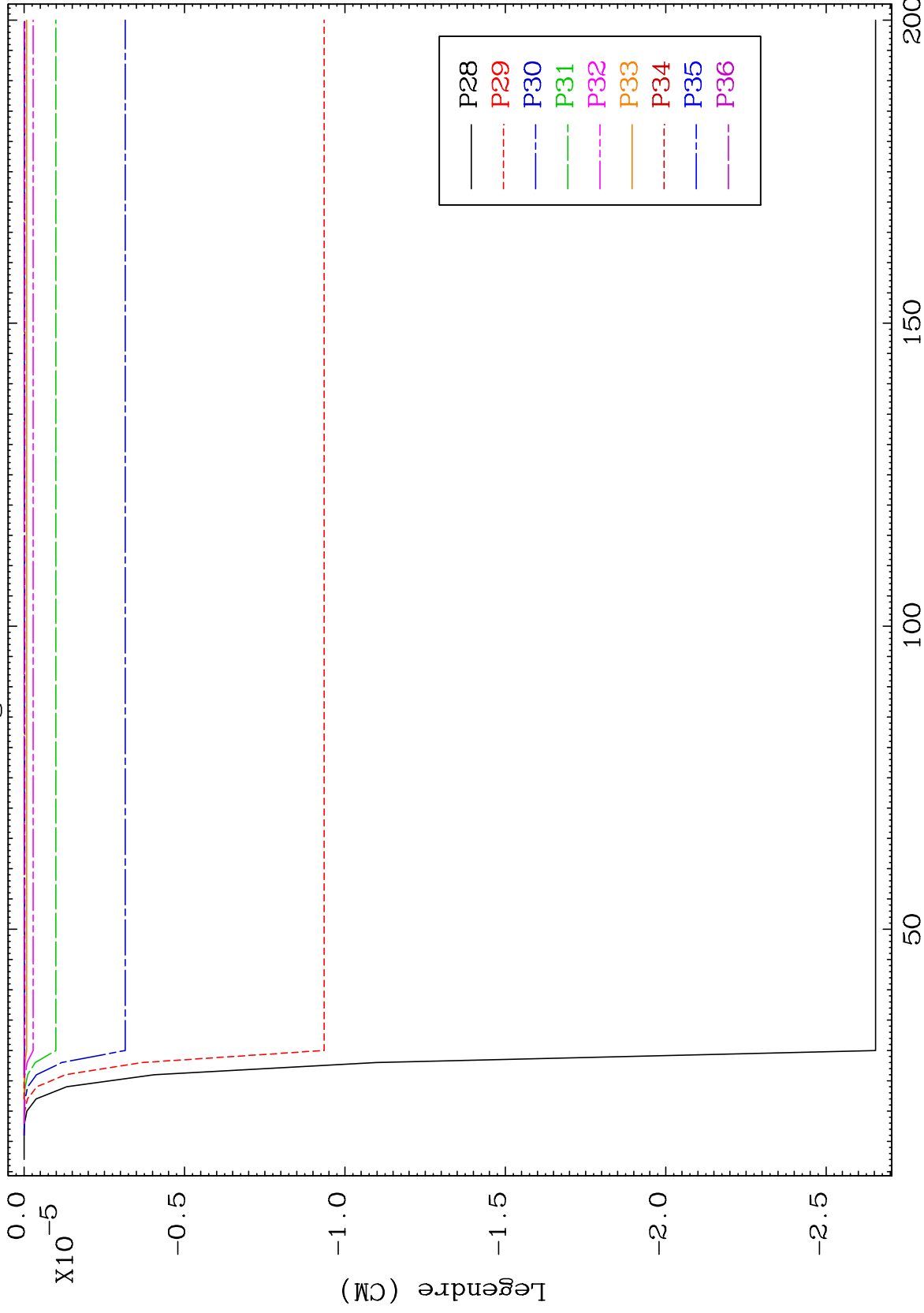
70-Yb-164



MAT 7013

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

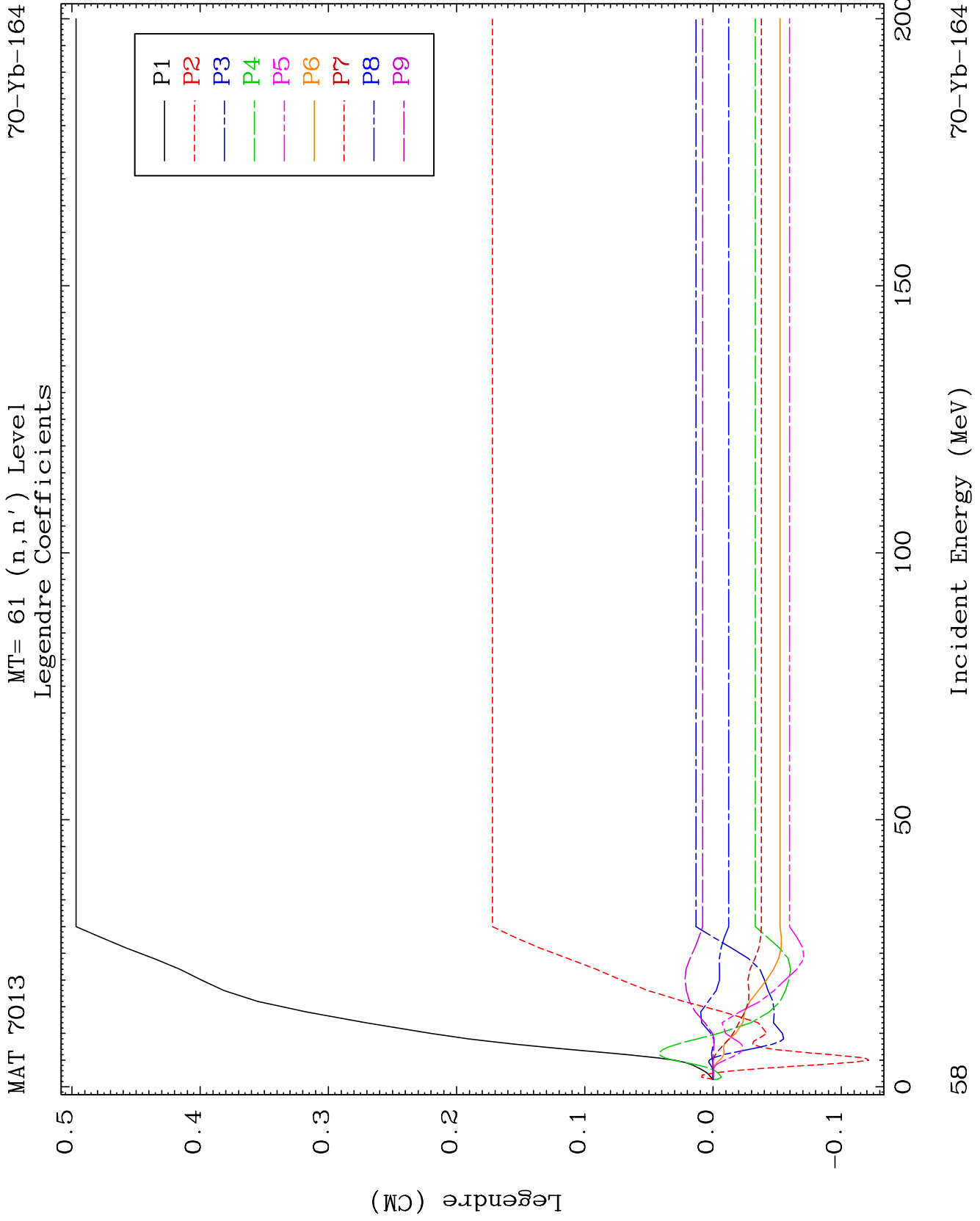
70-Yb-164



57

Incident Energy (MeV)

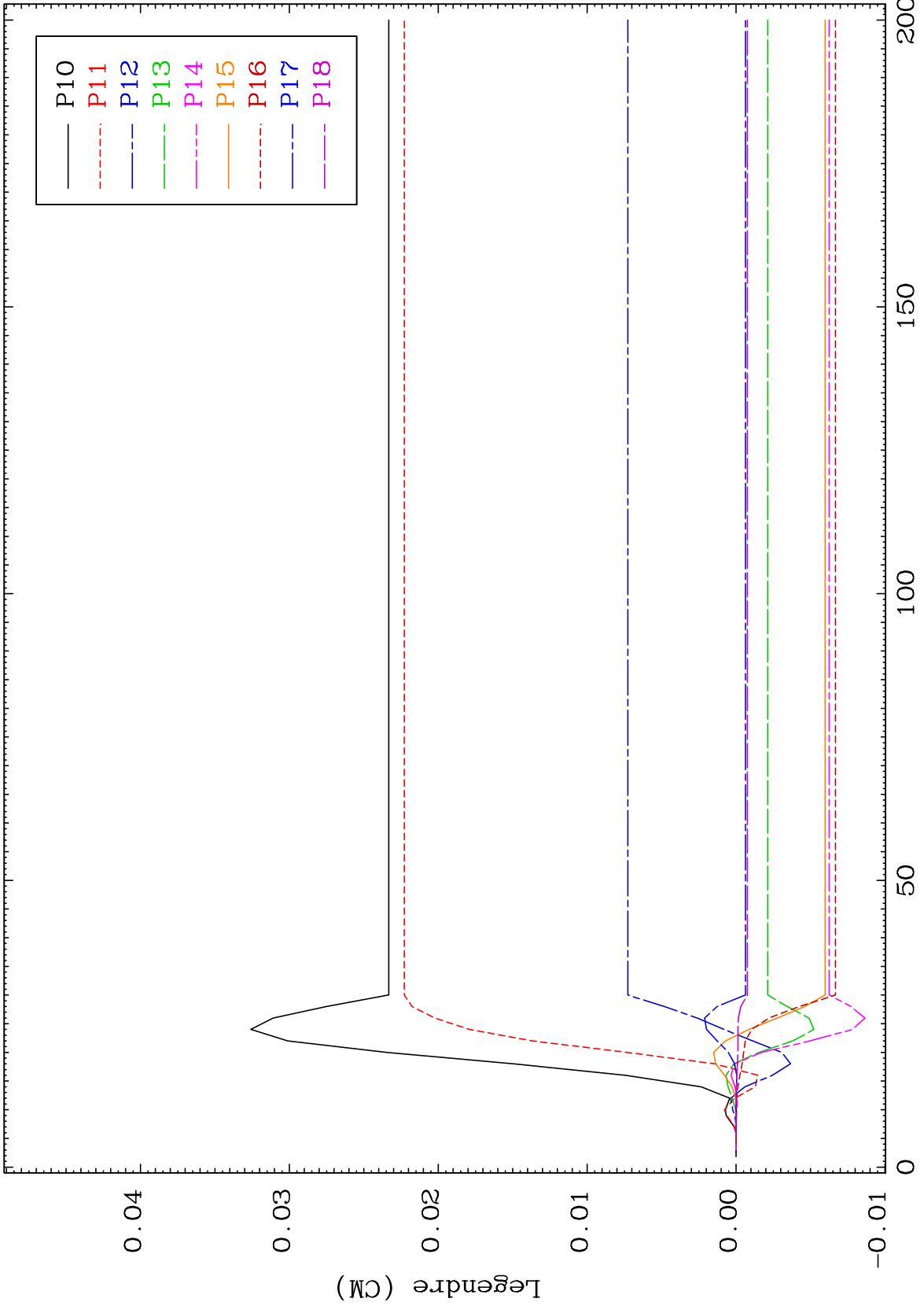
70-Yb-164



MAT 7013

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

70-Yb-164



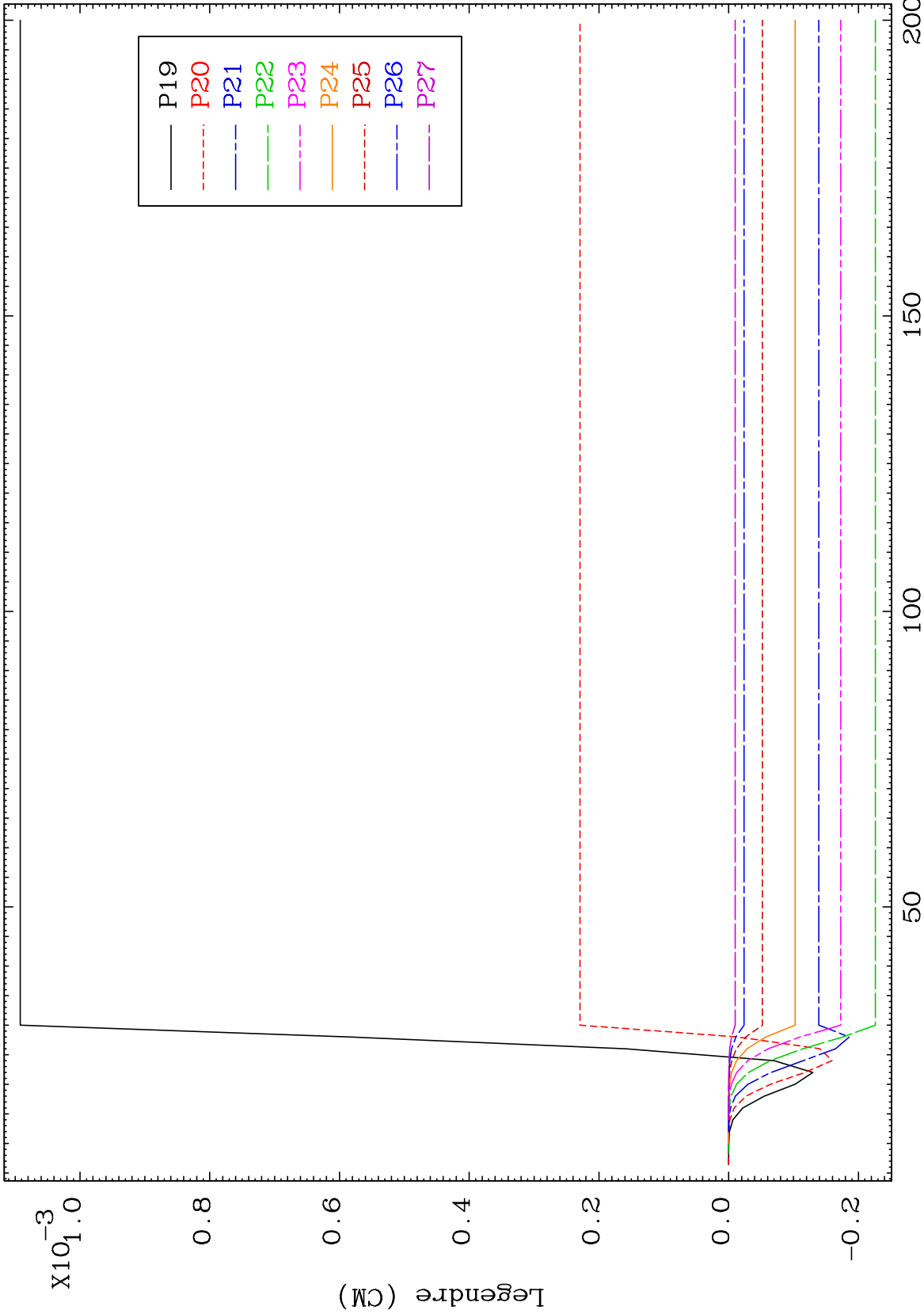
59

70-Yb-164

MAT 7013

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

70-Yb-164



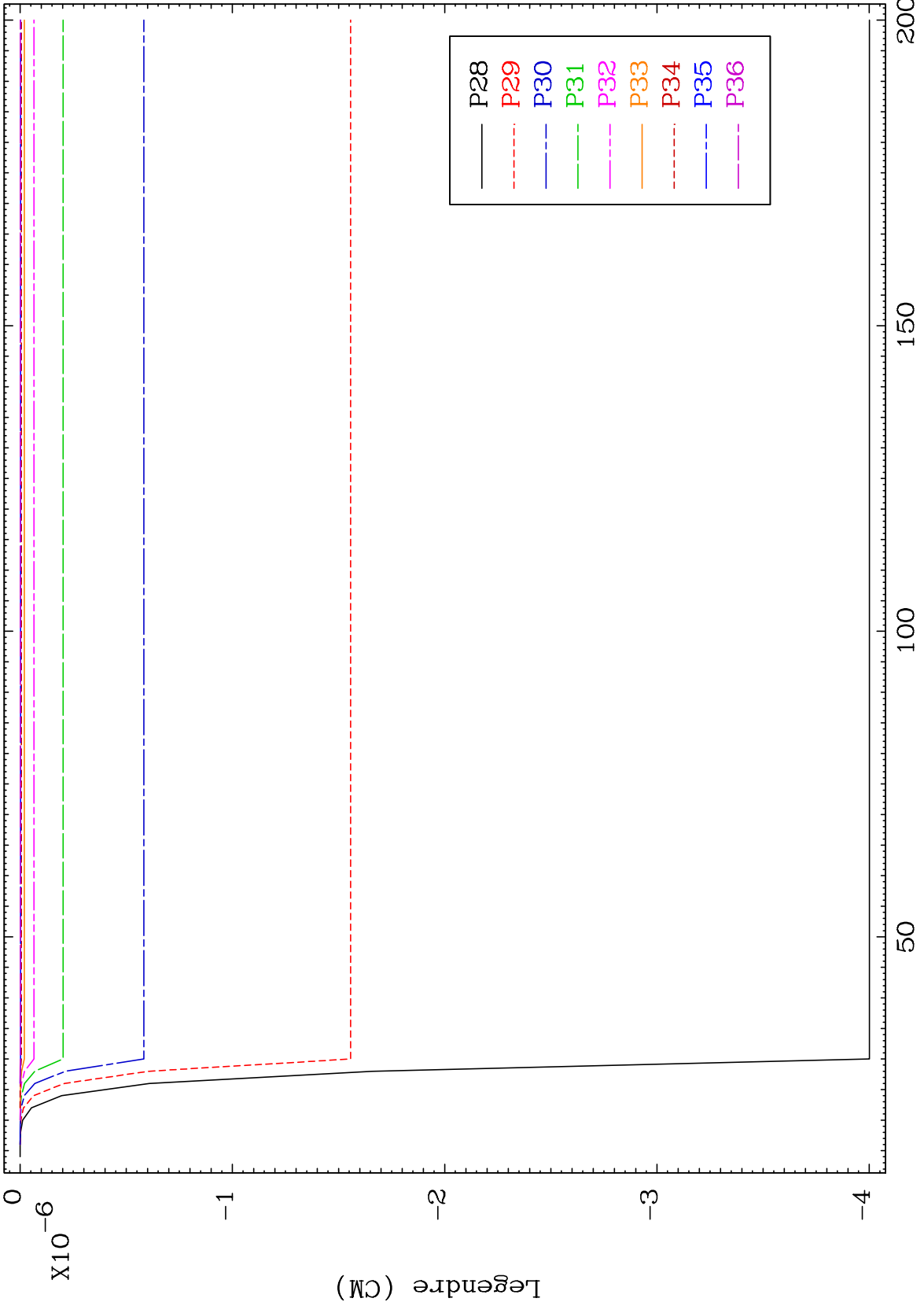
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Incident Energy (MeV)

70-Yb-164

MAT 7013 MT= 61 (n,n') Level 70-Yb-164

Legendre Coefficients



70-Yb-164

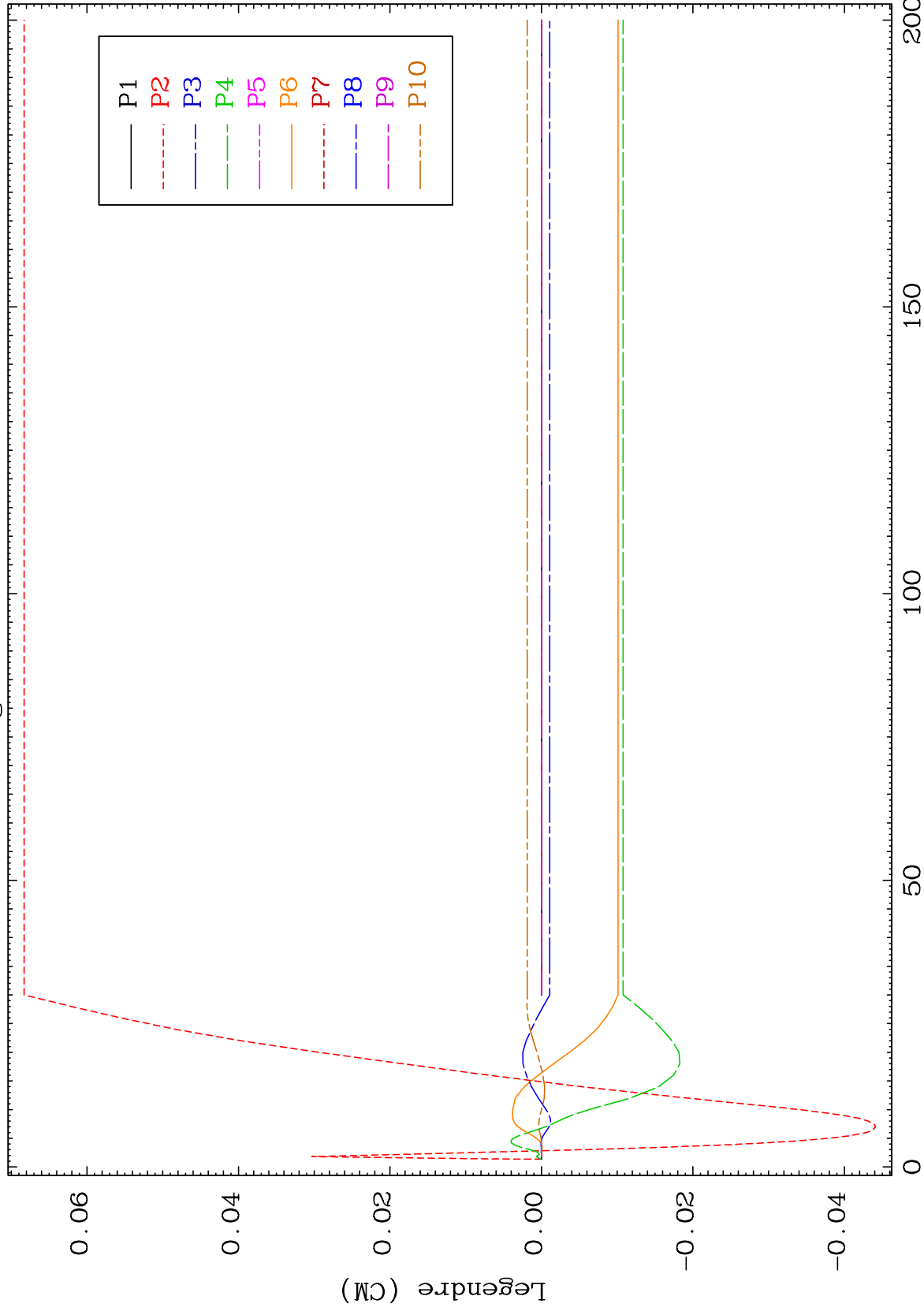
Incident Energy (MeV)

61

MAT 7013

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

70-Yb-164

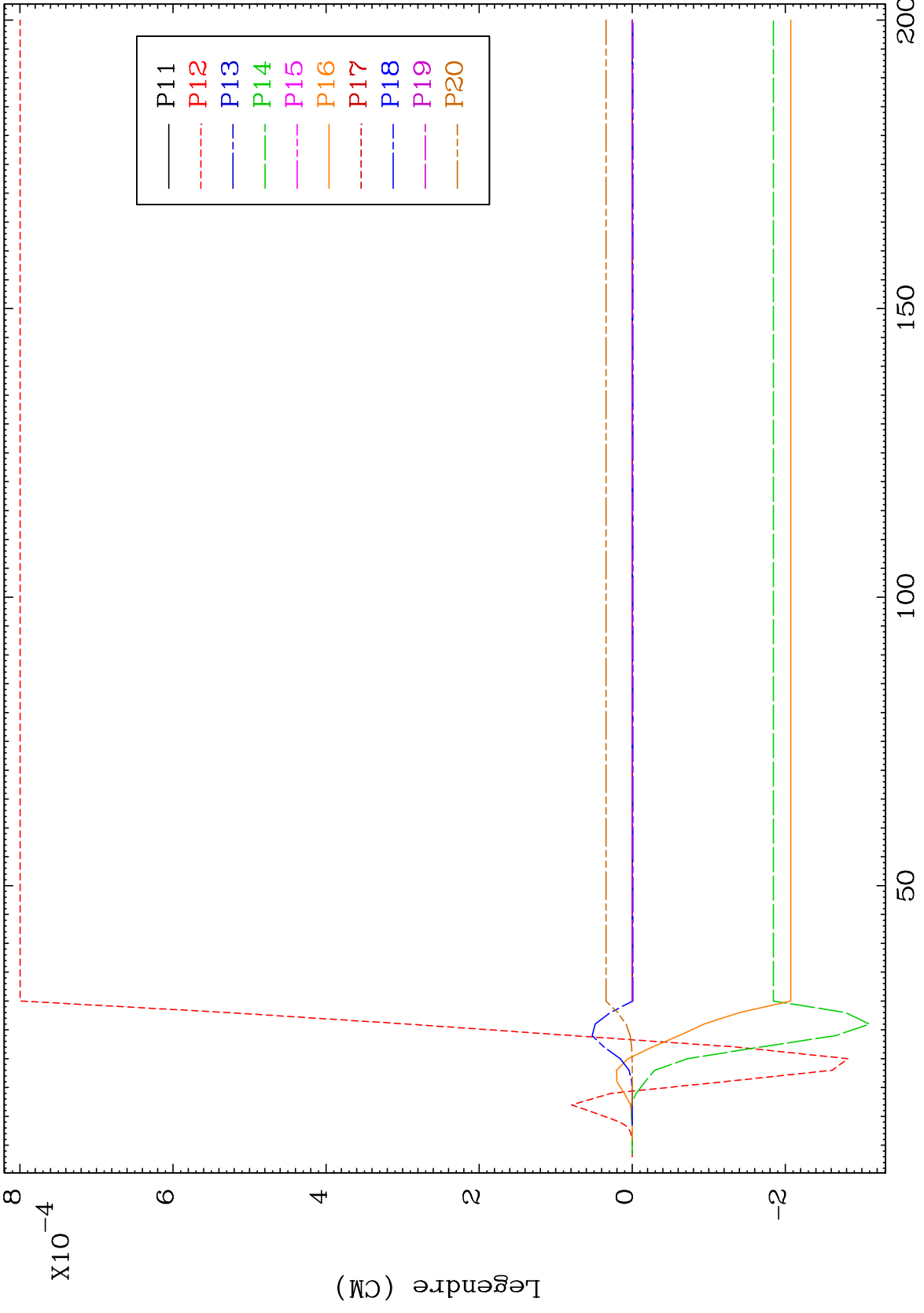


62

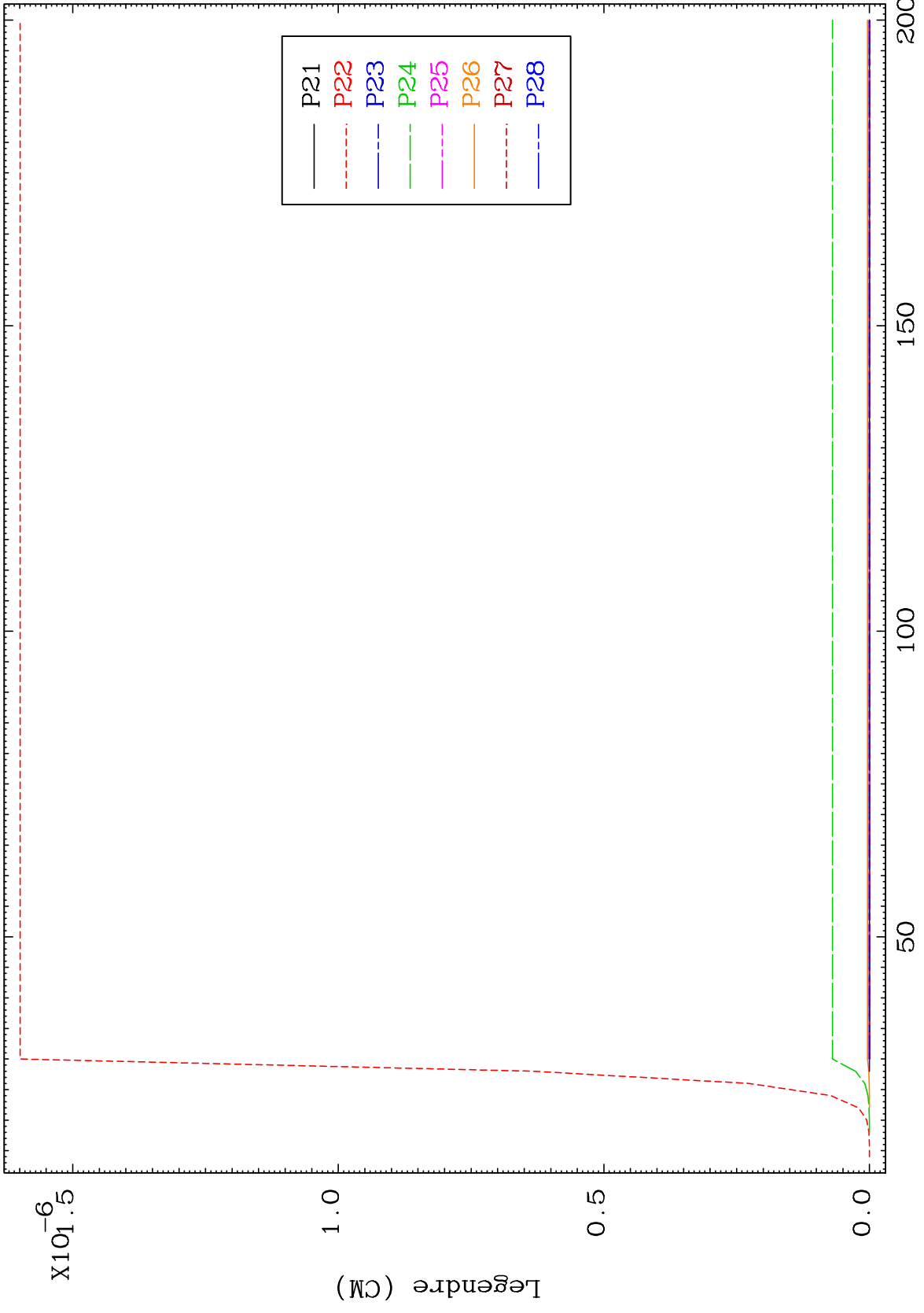
Incident Energy (MeV)

70-Yb-164

MAT 7013 MT= 62 (n,n') Level Legendre Coefficients 70-Yb-164



MAT 7013 MT= 62 (n,n') Level Legendre Coefficients 70-Yb-164

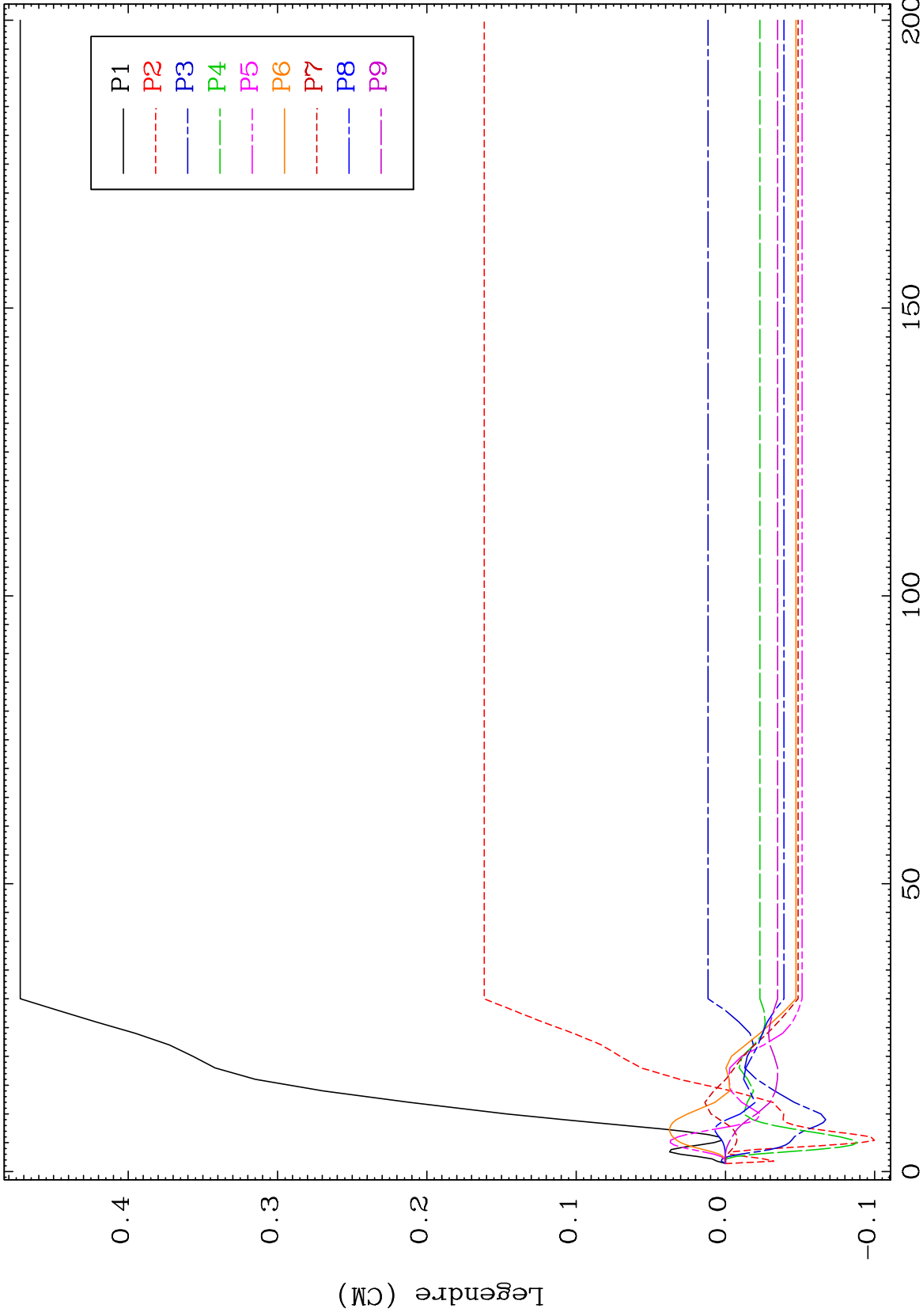


64 Incident Energy (MeV) 70-Yb-164

MAT 7013

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

70-Yb-164



65

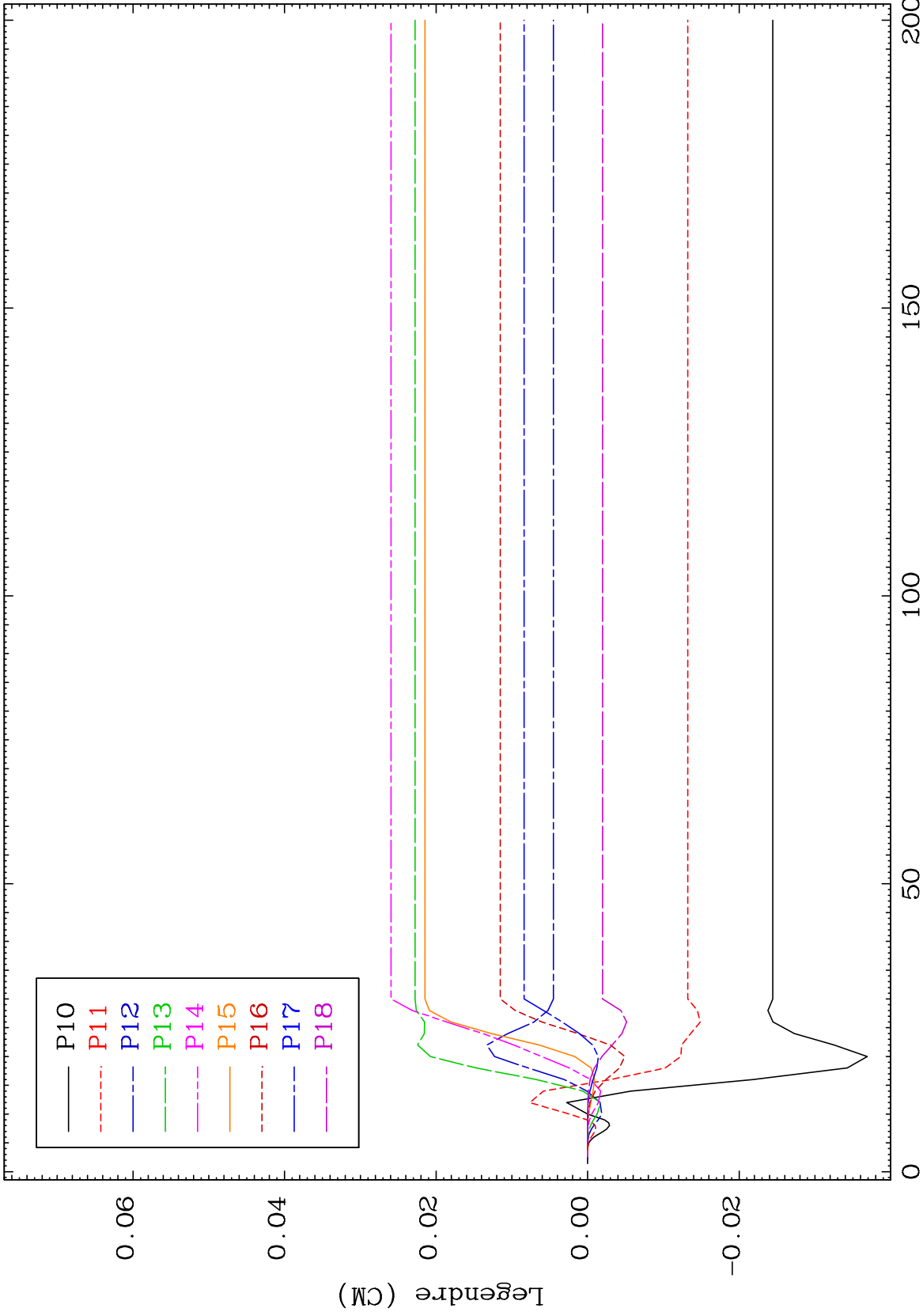
Incident Energy (MeV)

70-Yb-164

MAT 7013

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

70-Yb-164



66

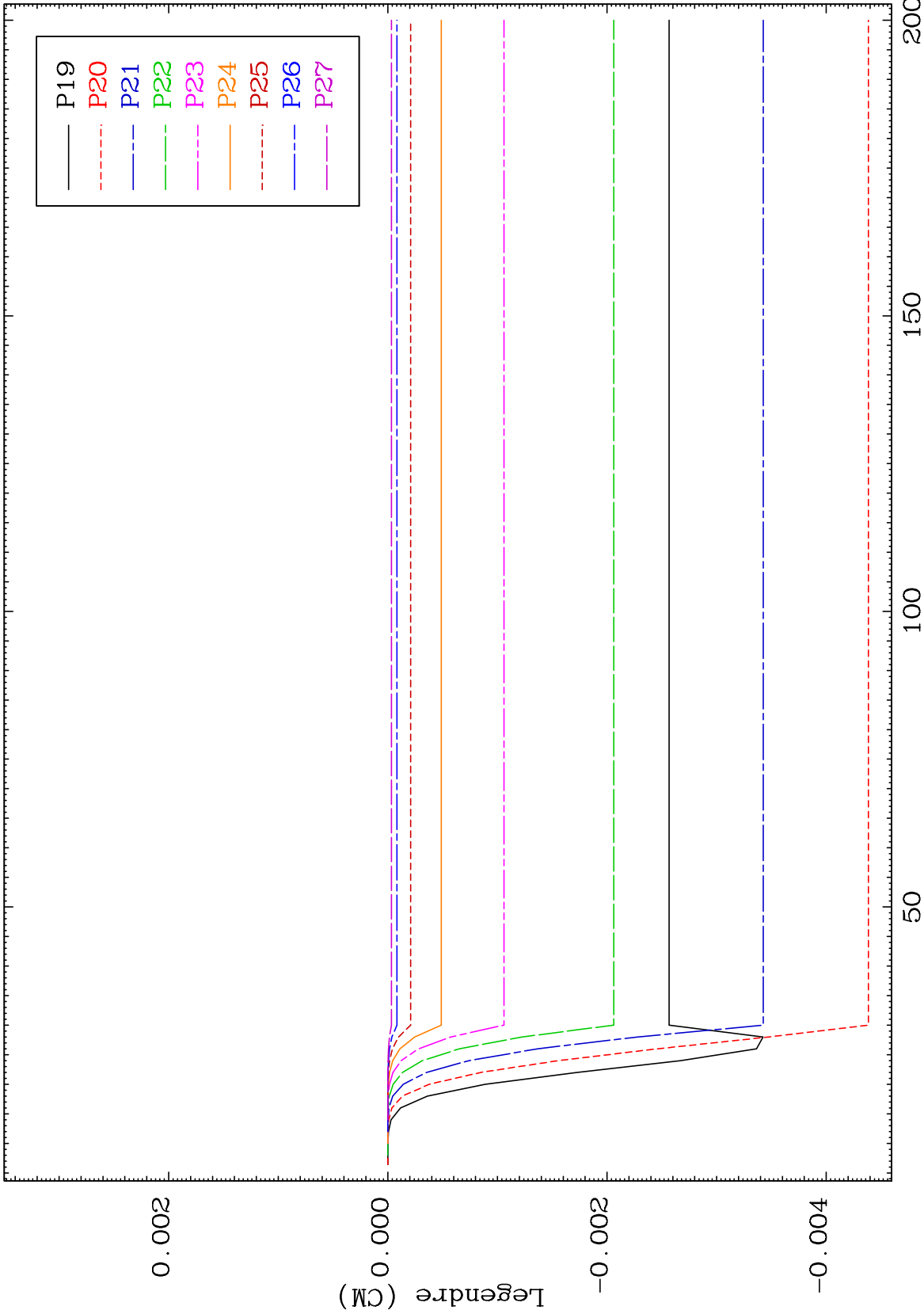
Incident Energy (MeV)

70-Yb-164

MAT 7013

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

70-Yb-164



67

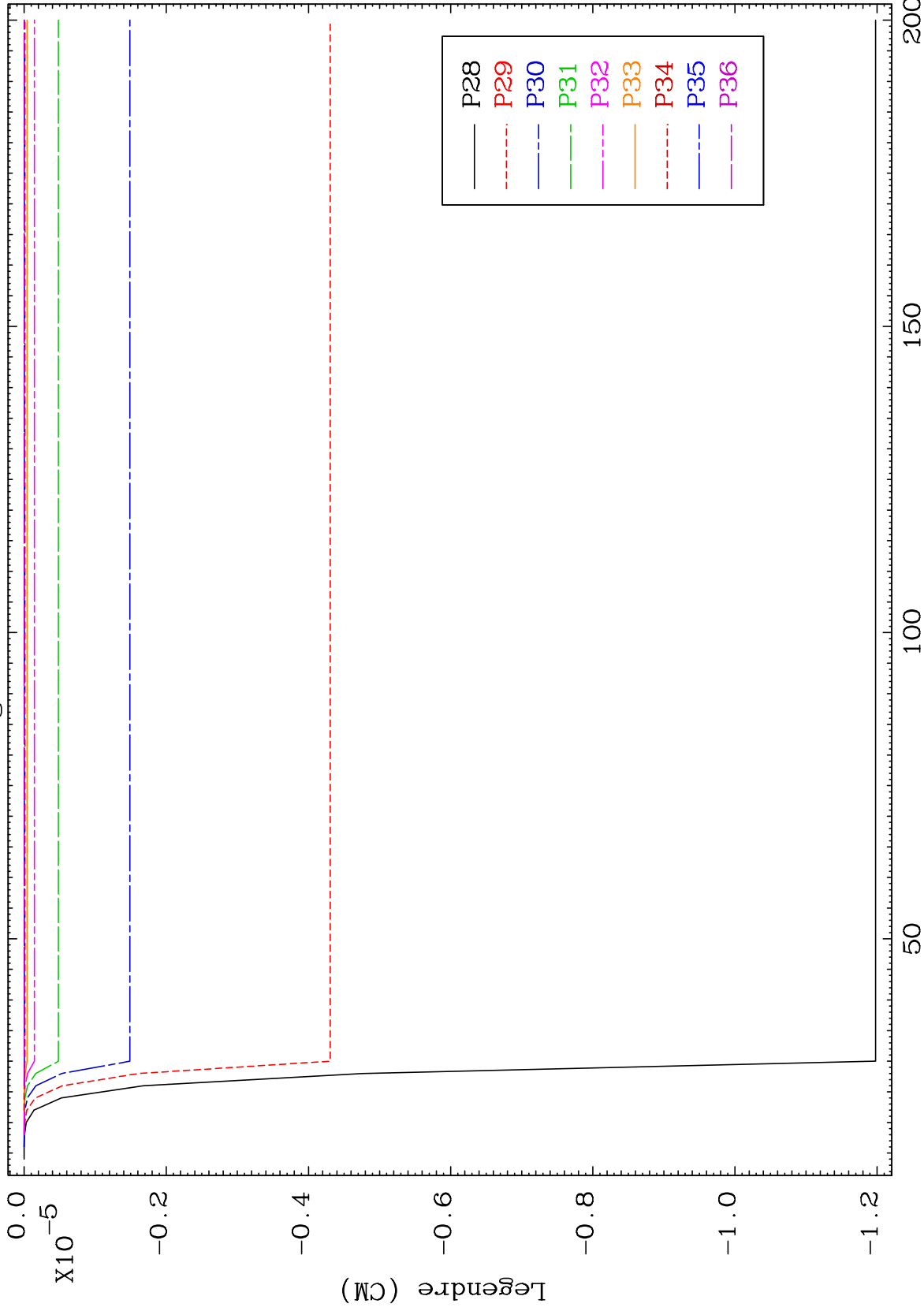
Incident Energy (MeV)

70-Yb-164

MAT 7013

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

70-Yb-164

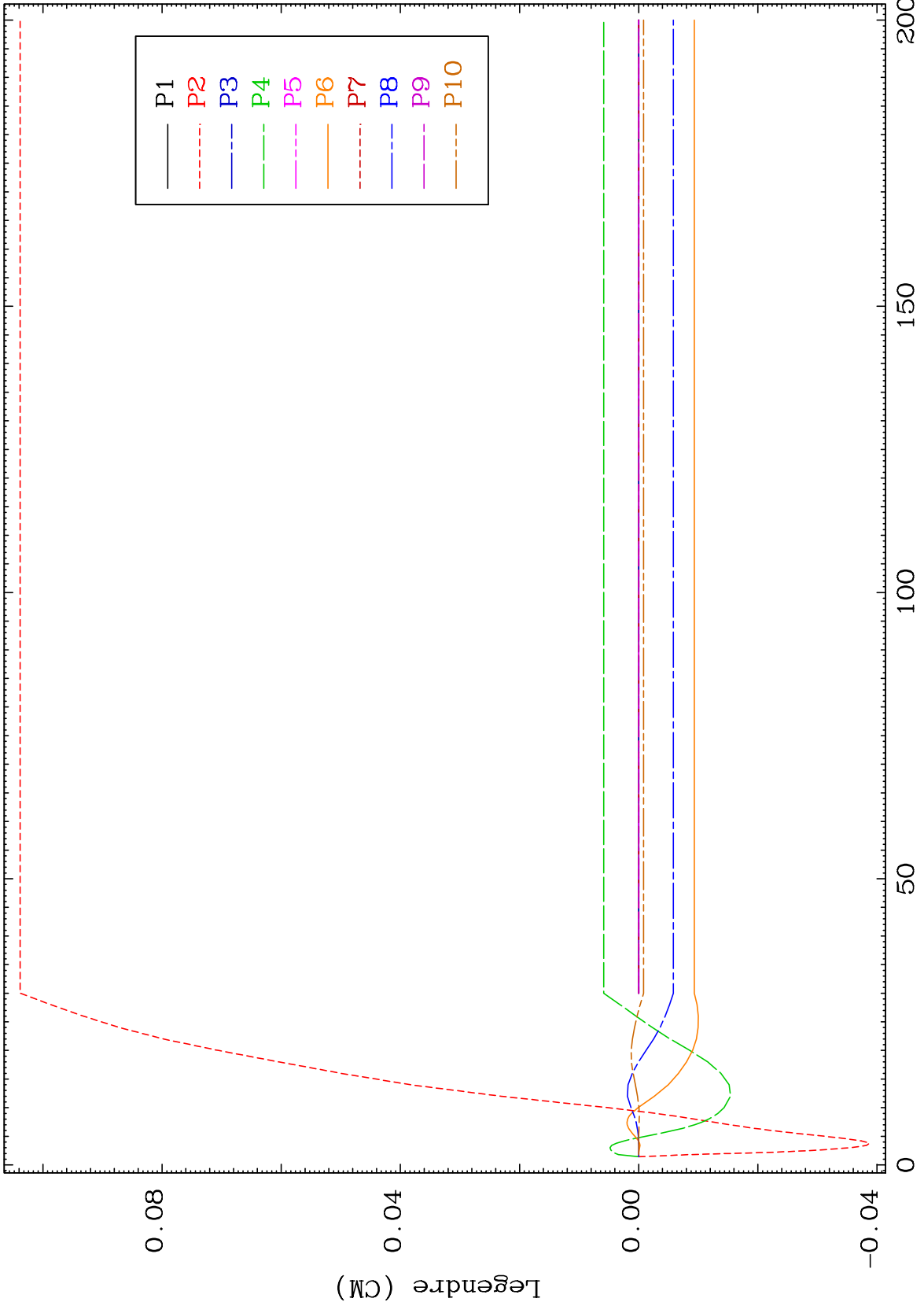


68

Incident Energy (MeV)

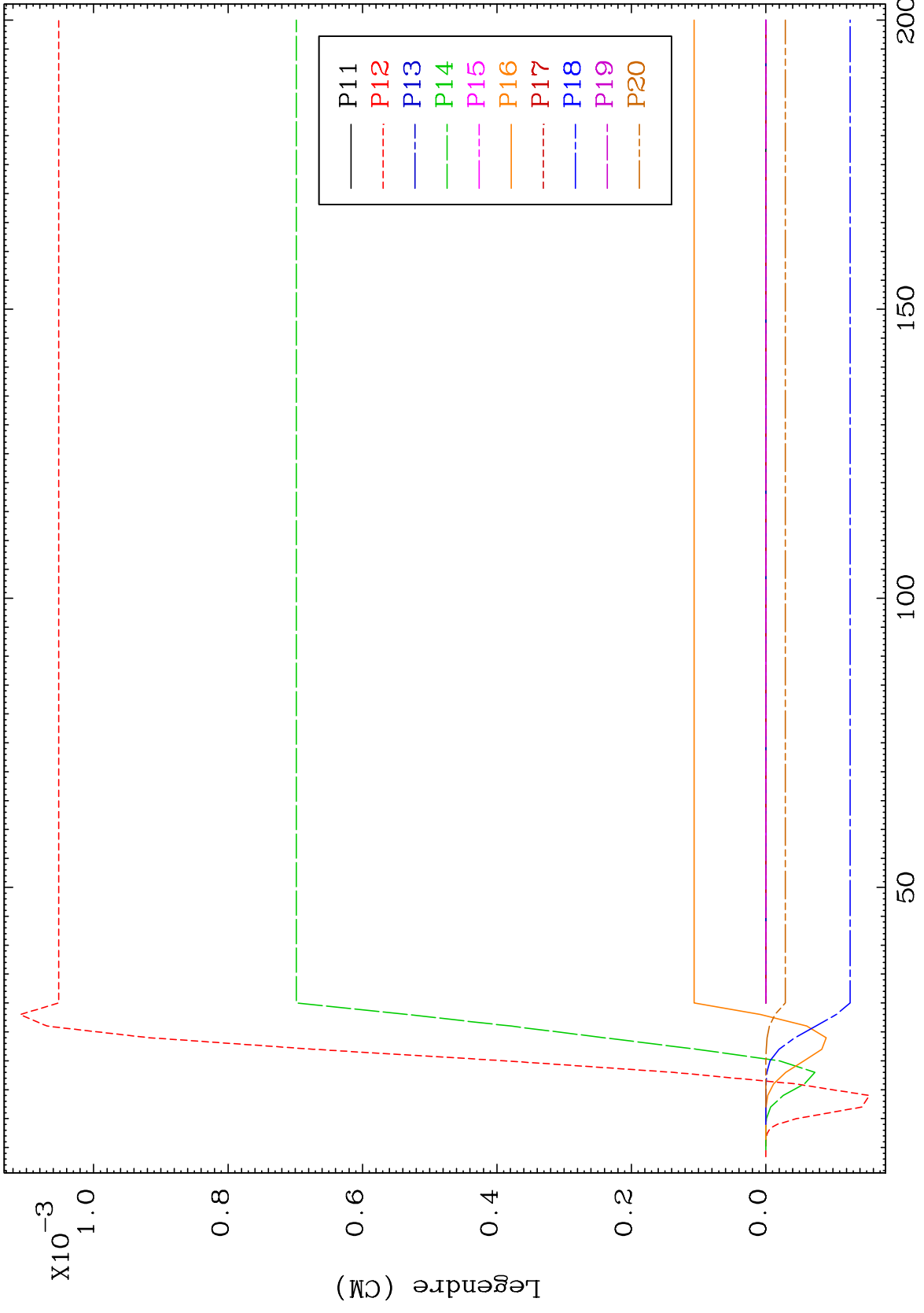
70-Yb-164

MAT 7013 MT= 64 (n,n') Level Legendre Coefficients 70-Yb-164



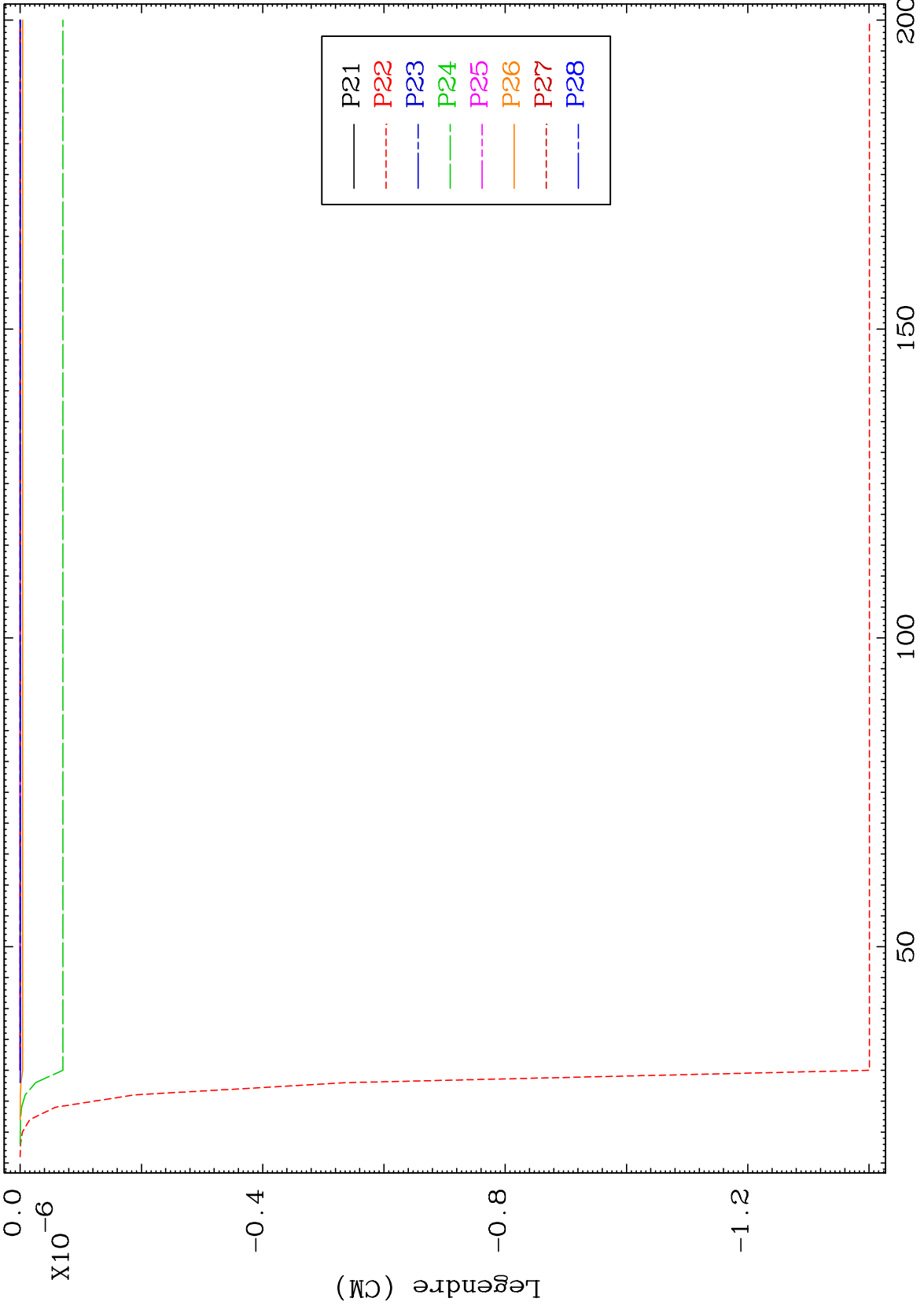
69 Incident Energy (MeV) 70-Yb-164

MAT 7013 MT= 64 (n,n') Level Legendre Coefficients 70-Yb-164

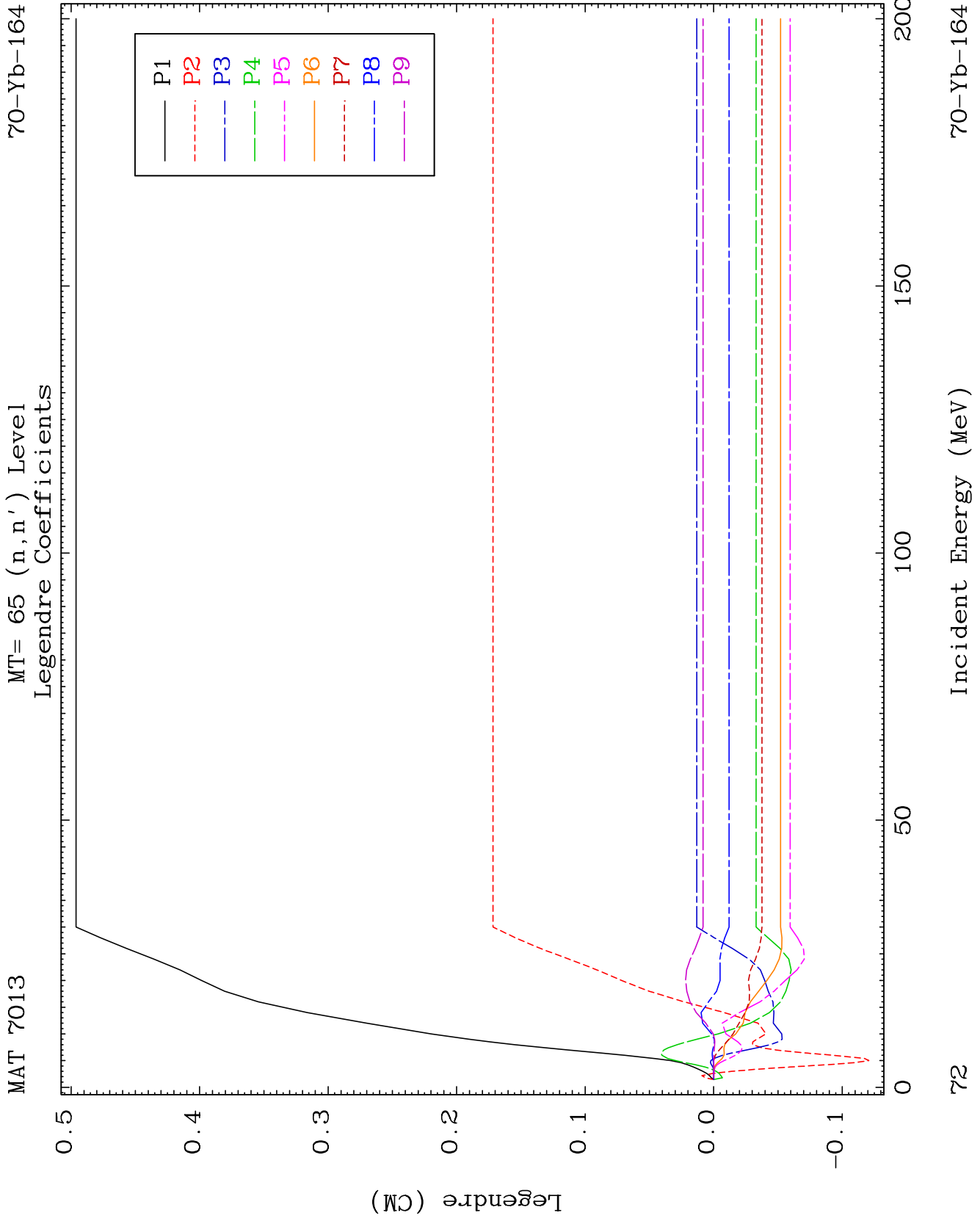


70 100 150 200 70-Yb-164

MAT 7013 MT= 64 (n,n') Level Legendre Coefficients 70-Yb-164



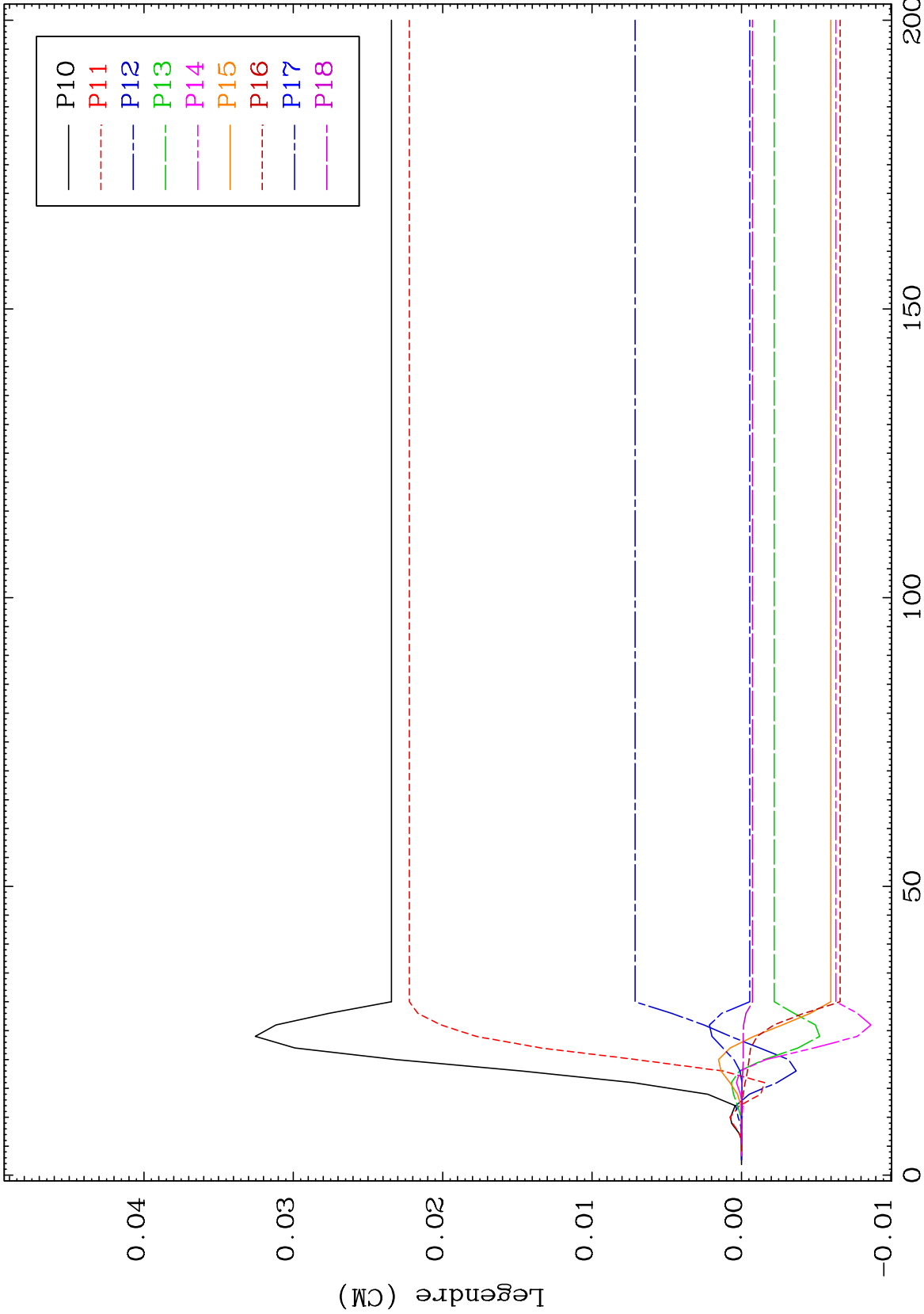
71 70-Yb-164



MAT 7013

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

70-Yb-164



73

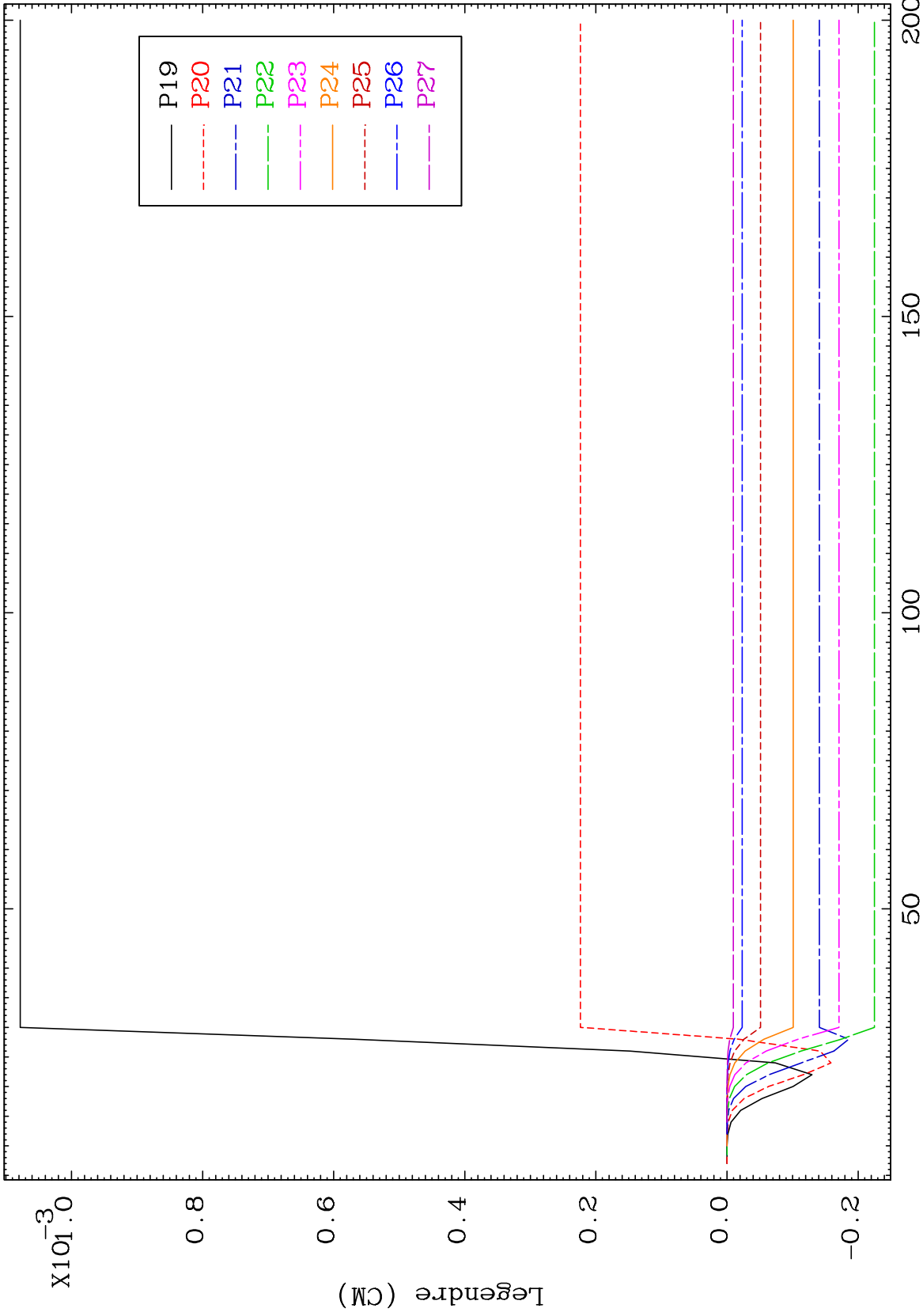
Incident Energy (MeV)

70-Yb-164

MAT 7013

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

70-Yb-164

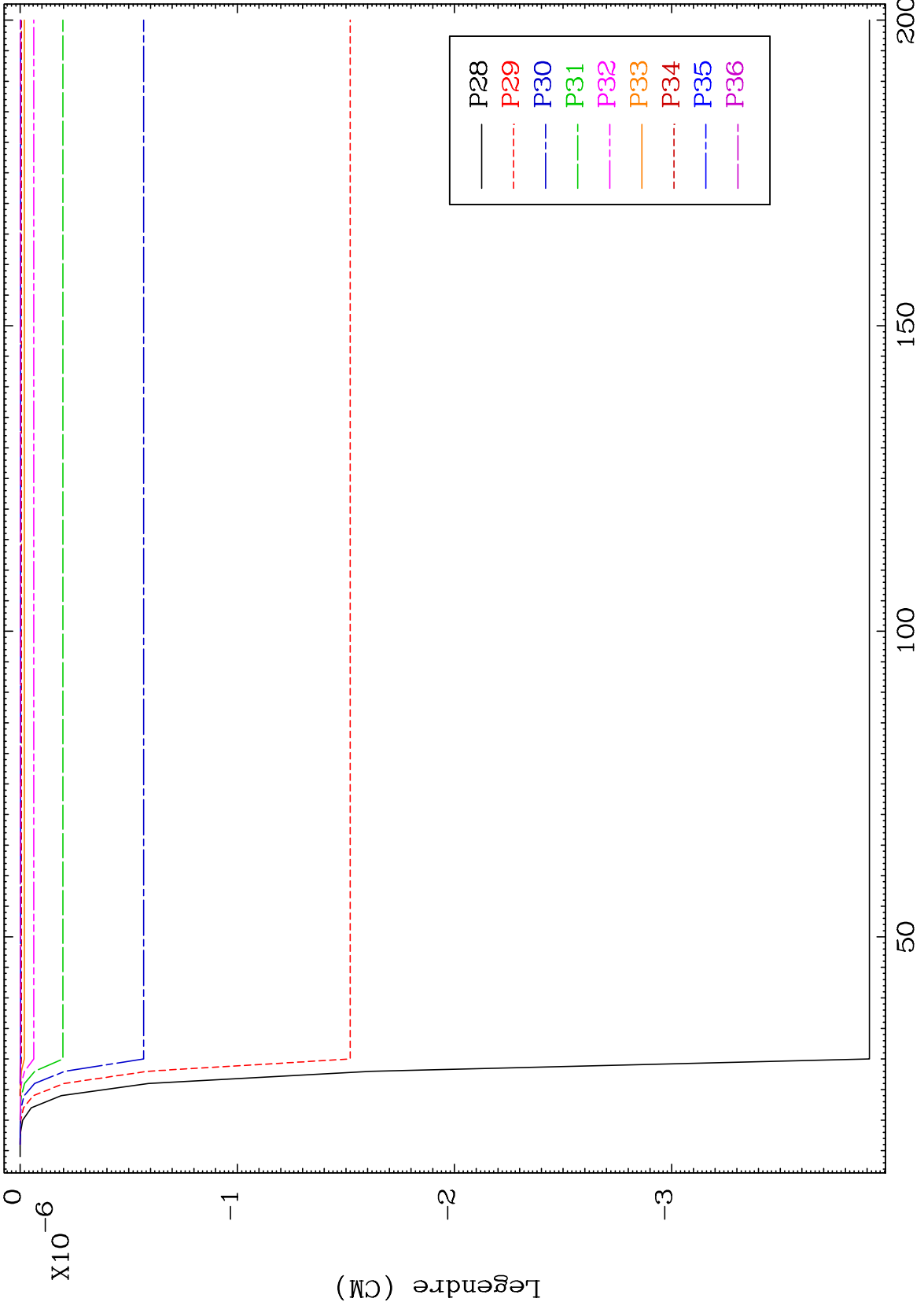


74

Incident Energy (MeV)

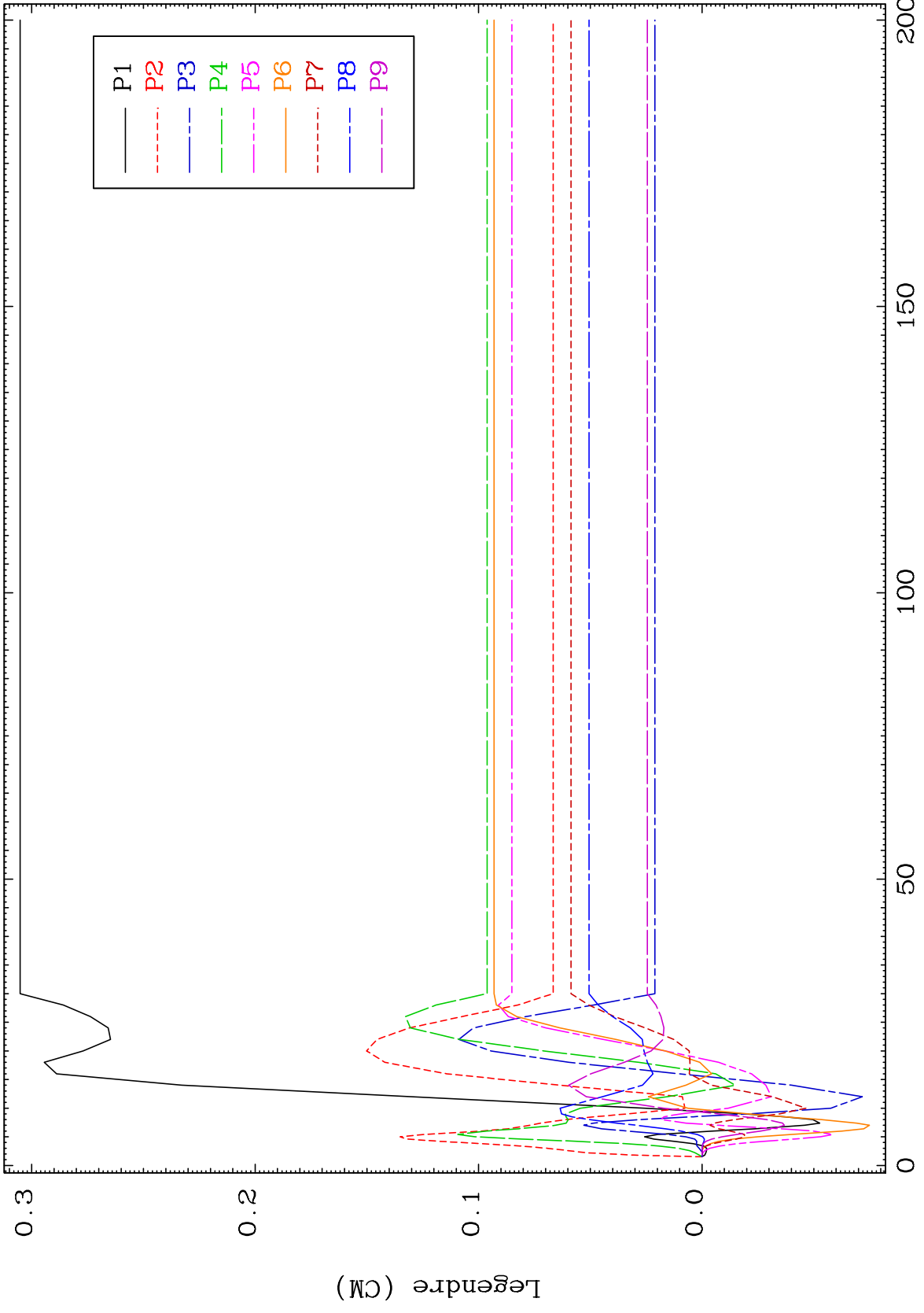
70-Yb-164

MAT 7013 MT= 65 (n,n') Level Legendre Coefficients 70-Yb-164



75 Incident Energy (MeV) 70-Yb-164

MAT 7013 MT= 66 (n,n') Level Legendre Coefficients 70-Yb-164

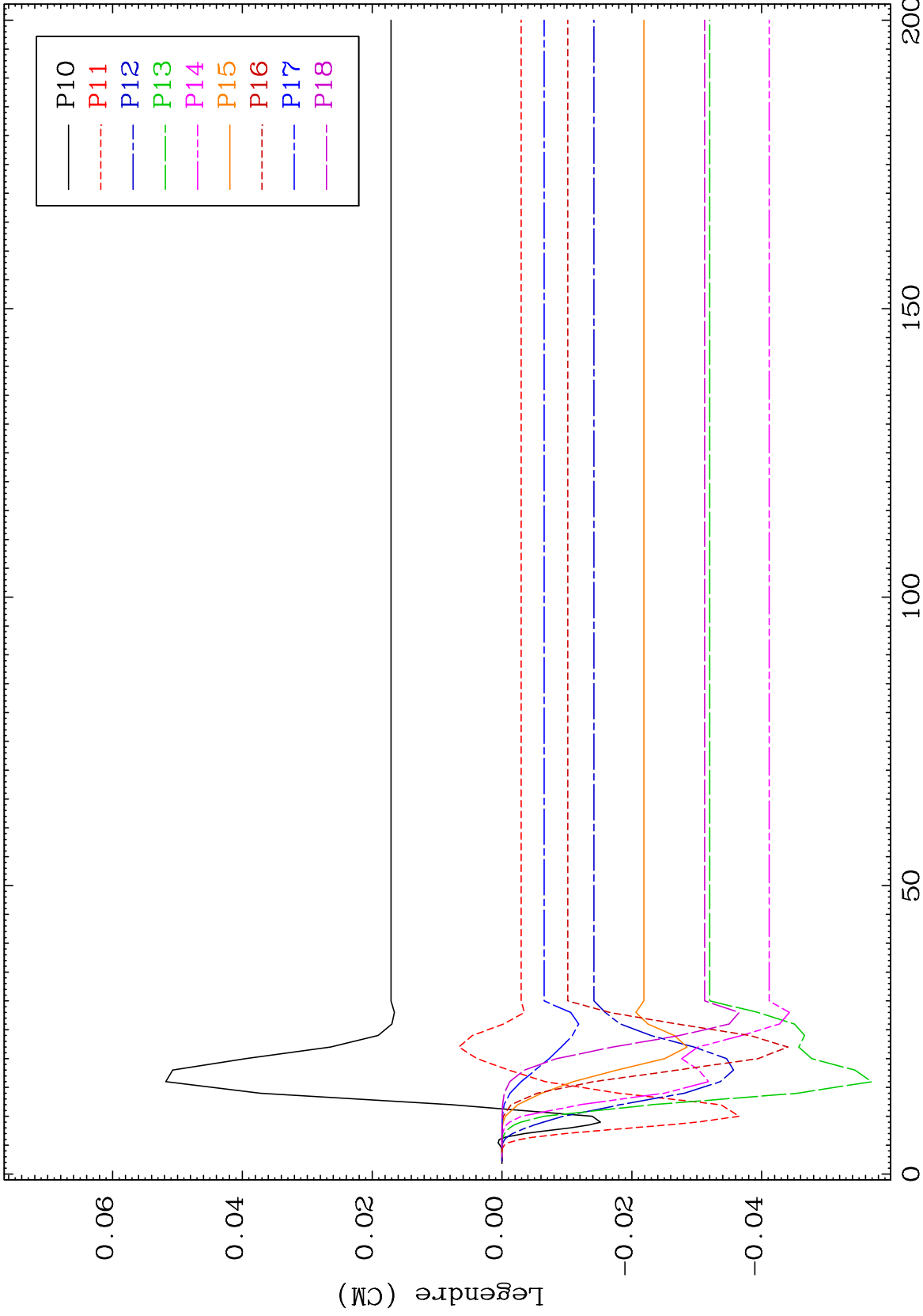


76 Incident Energy (MeV) 70-Yb-164

MAT 7013

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

70-Yb-164

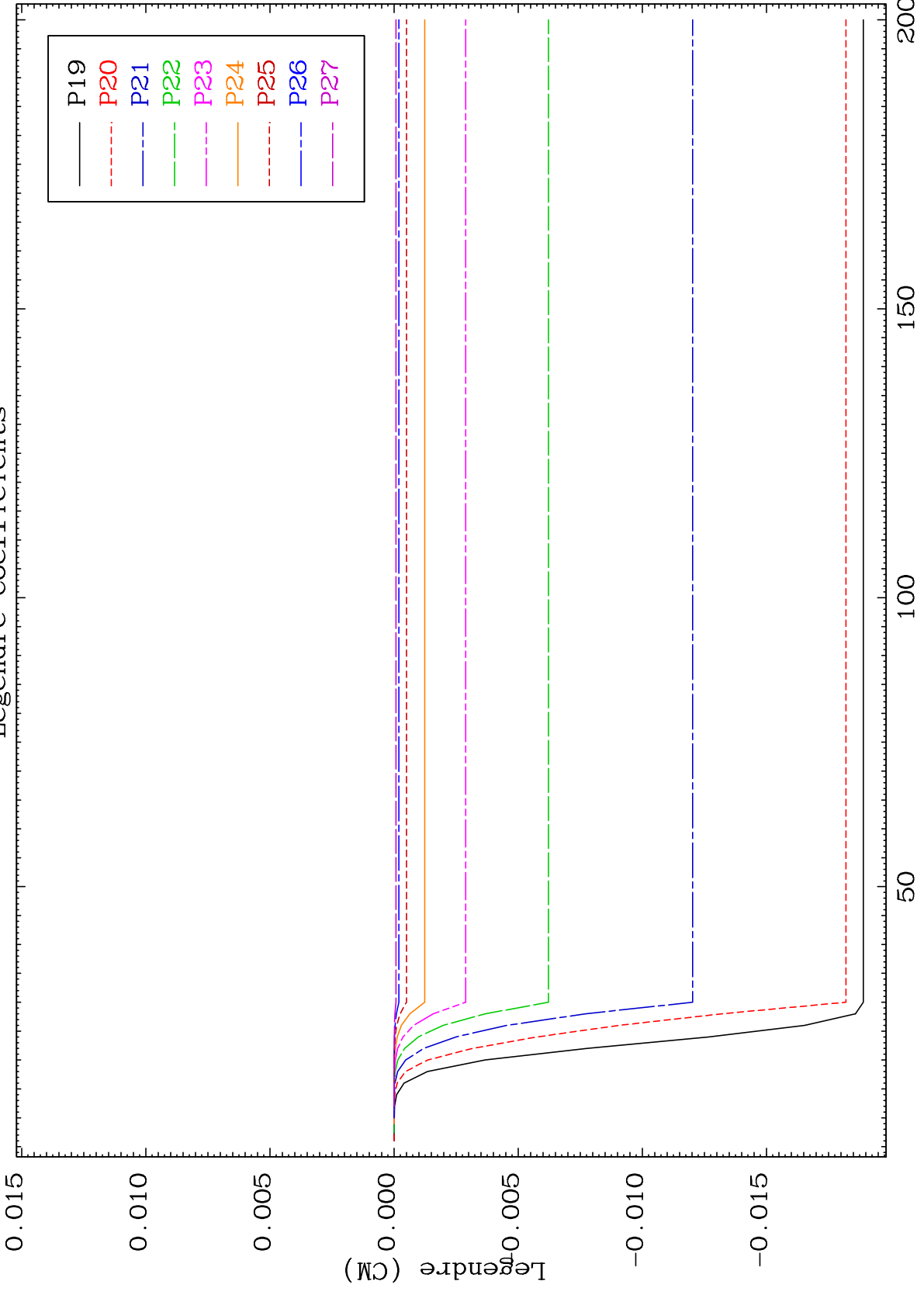


77

Incident Energy (MeV)

70-Yb-164

MAT 7013 MT= 66 (n,n') Level Legendre Coefficients 70-Yb-164

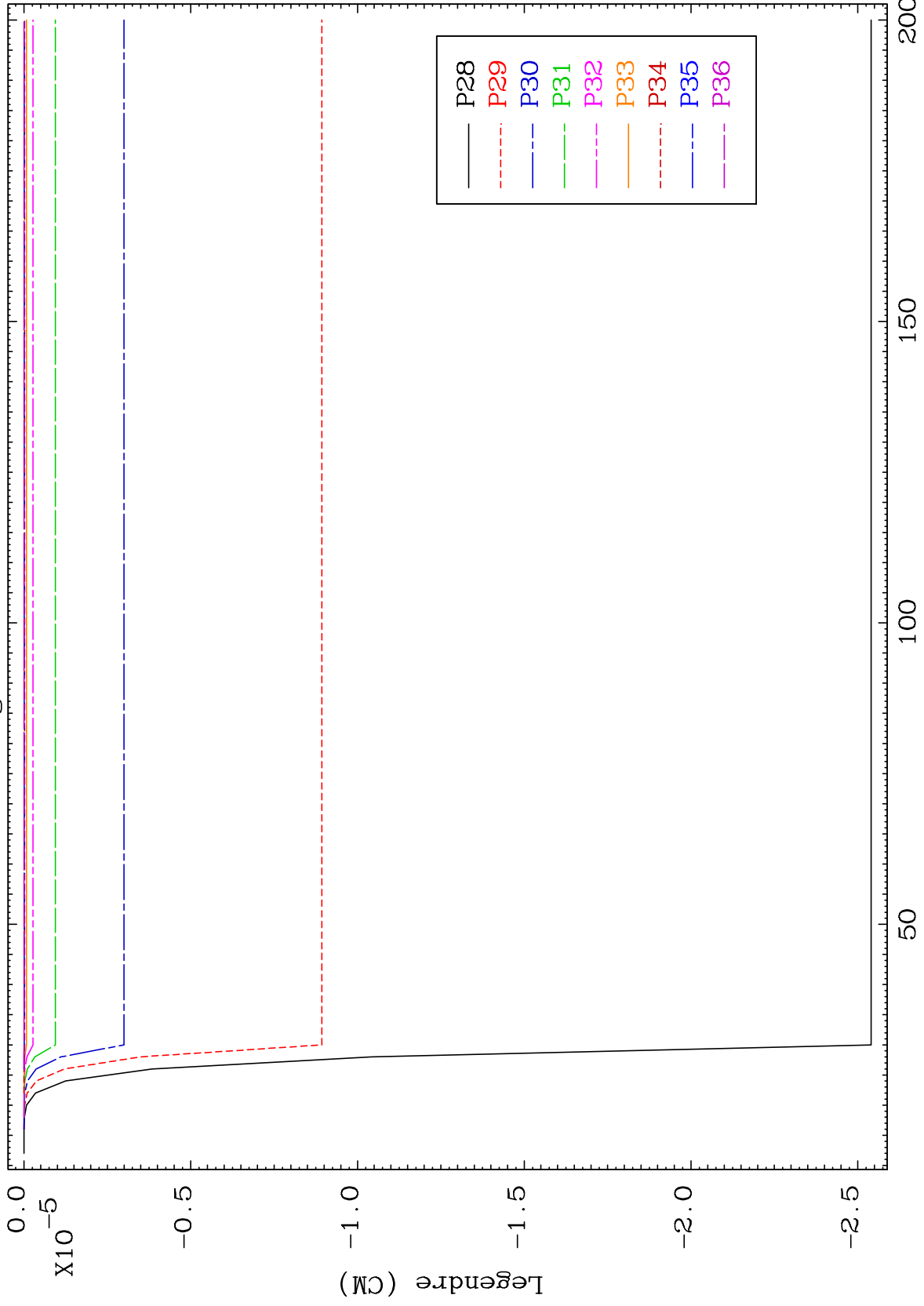


78 Incident Energy (MeV) 70-Yb-164

MAT 7013

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

70-Yb-164



79

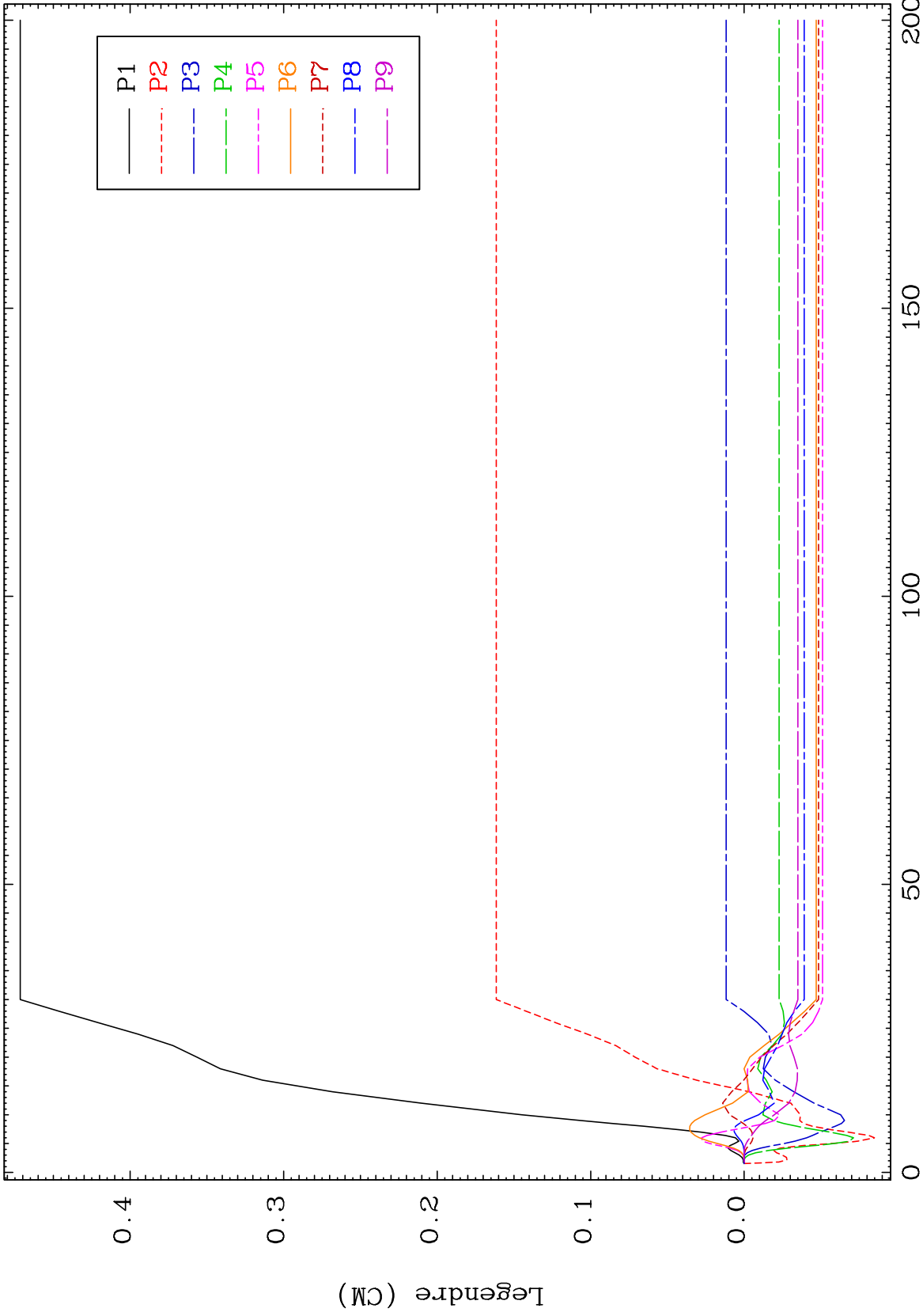
Incident Energy (MeV)

70-Yb-164

MAT 7013

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

70-Yb-164



80

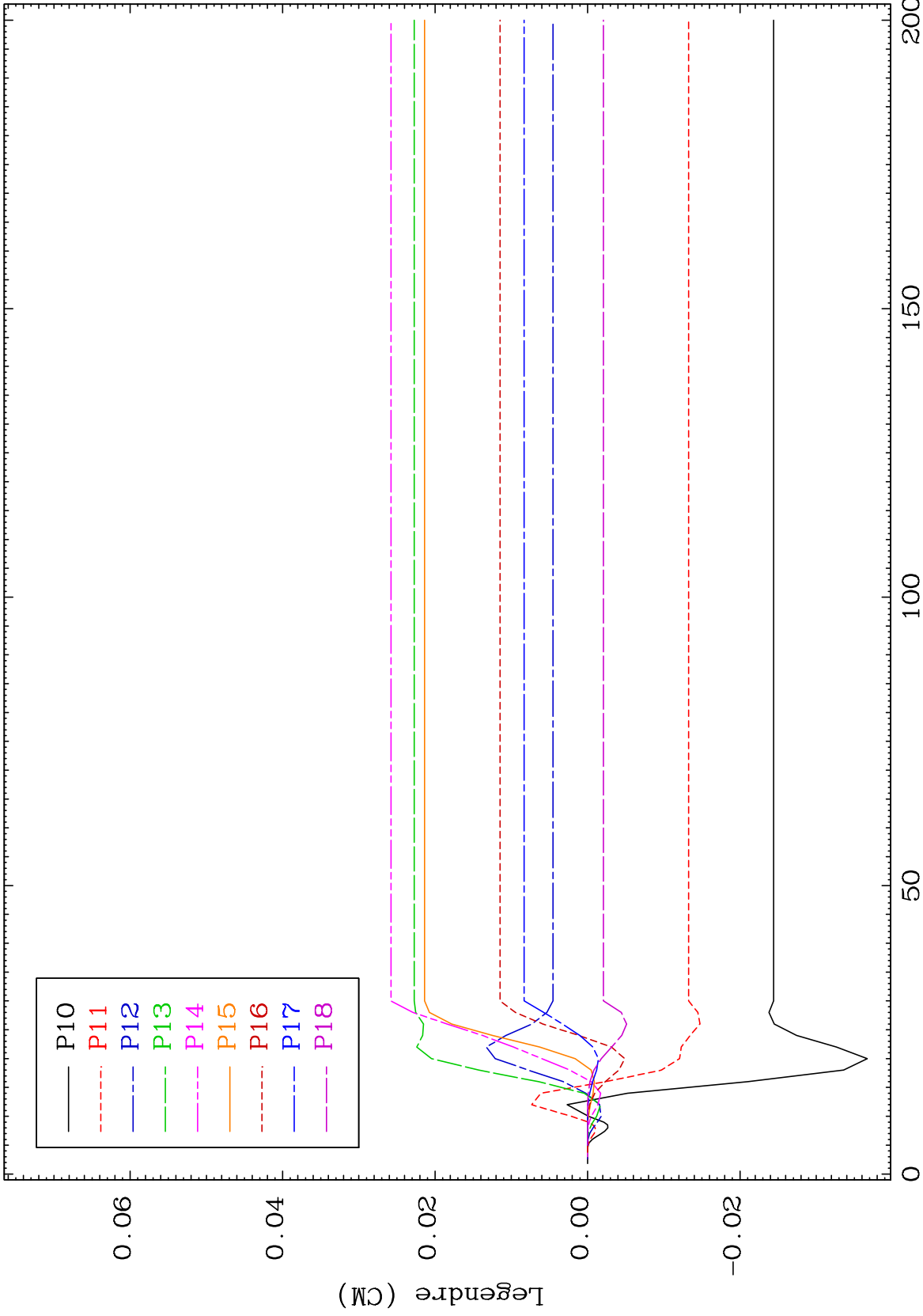
Incident Energy (MeV)

70-Yb-164

MAT 7013

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

70-Yb-164



81

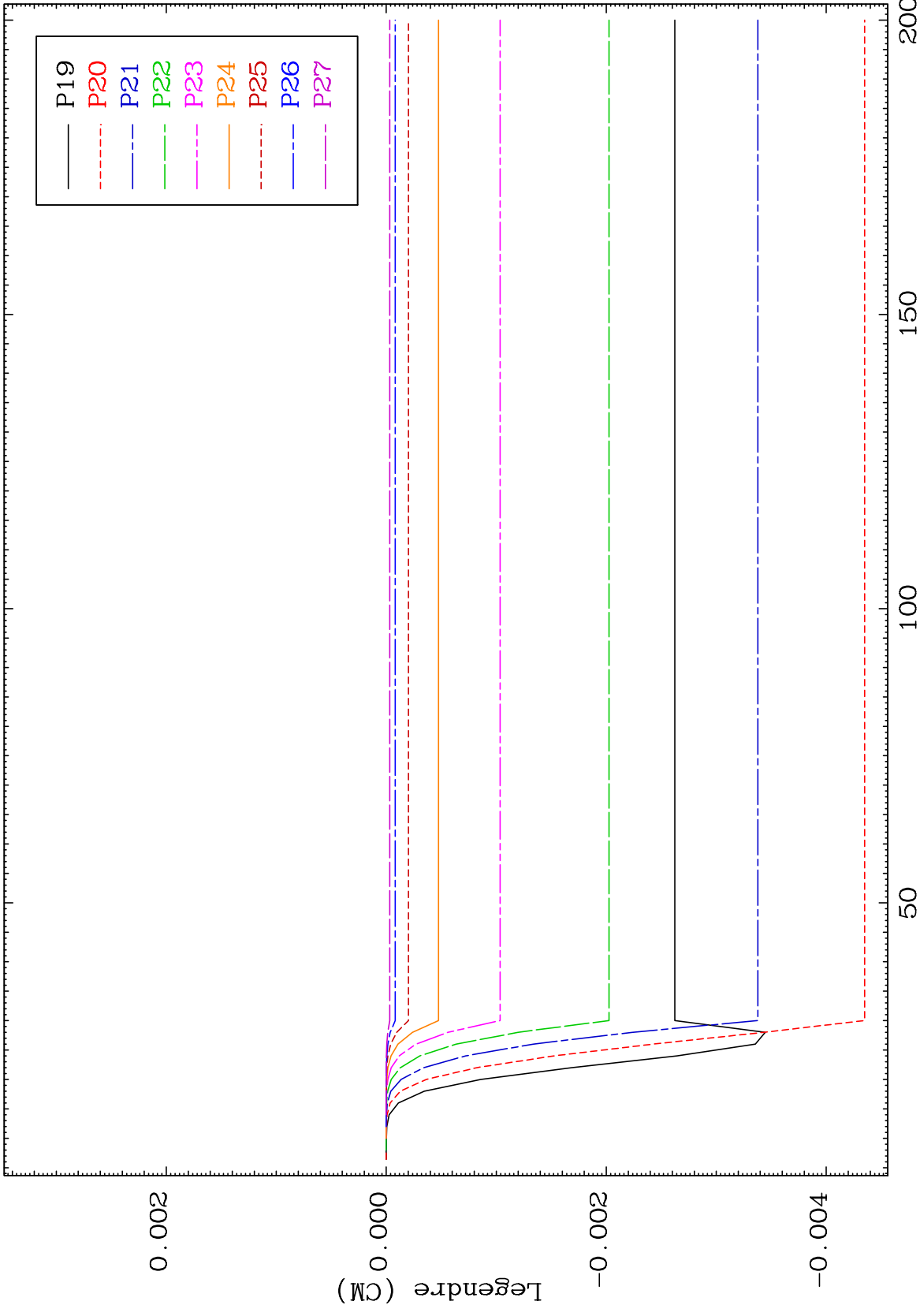
Incident Energy (MeV)

70-Yb-164

MAT 7013

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

70-Yb-164



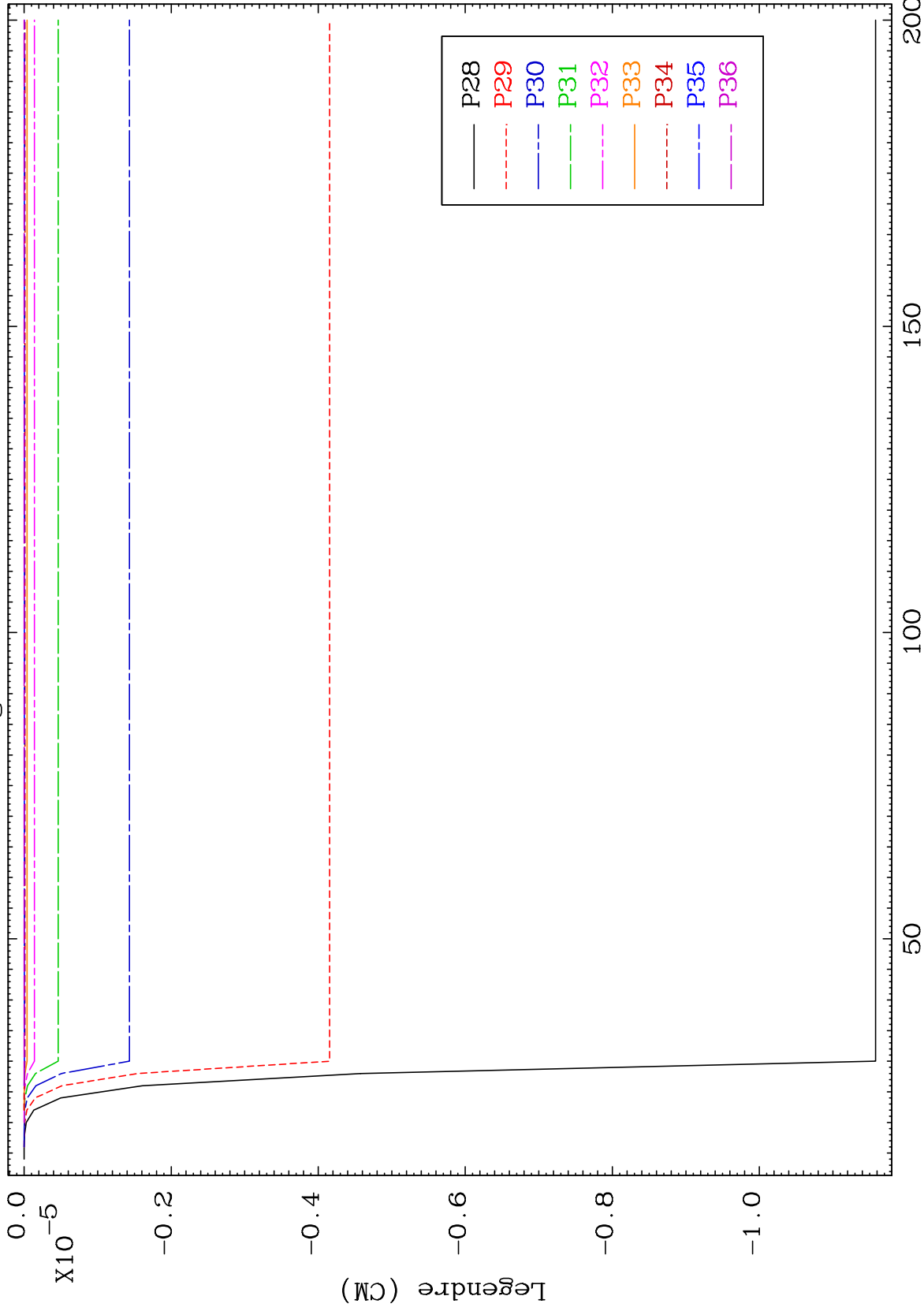
82

Incident Energy (MeV)

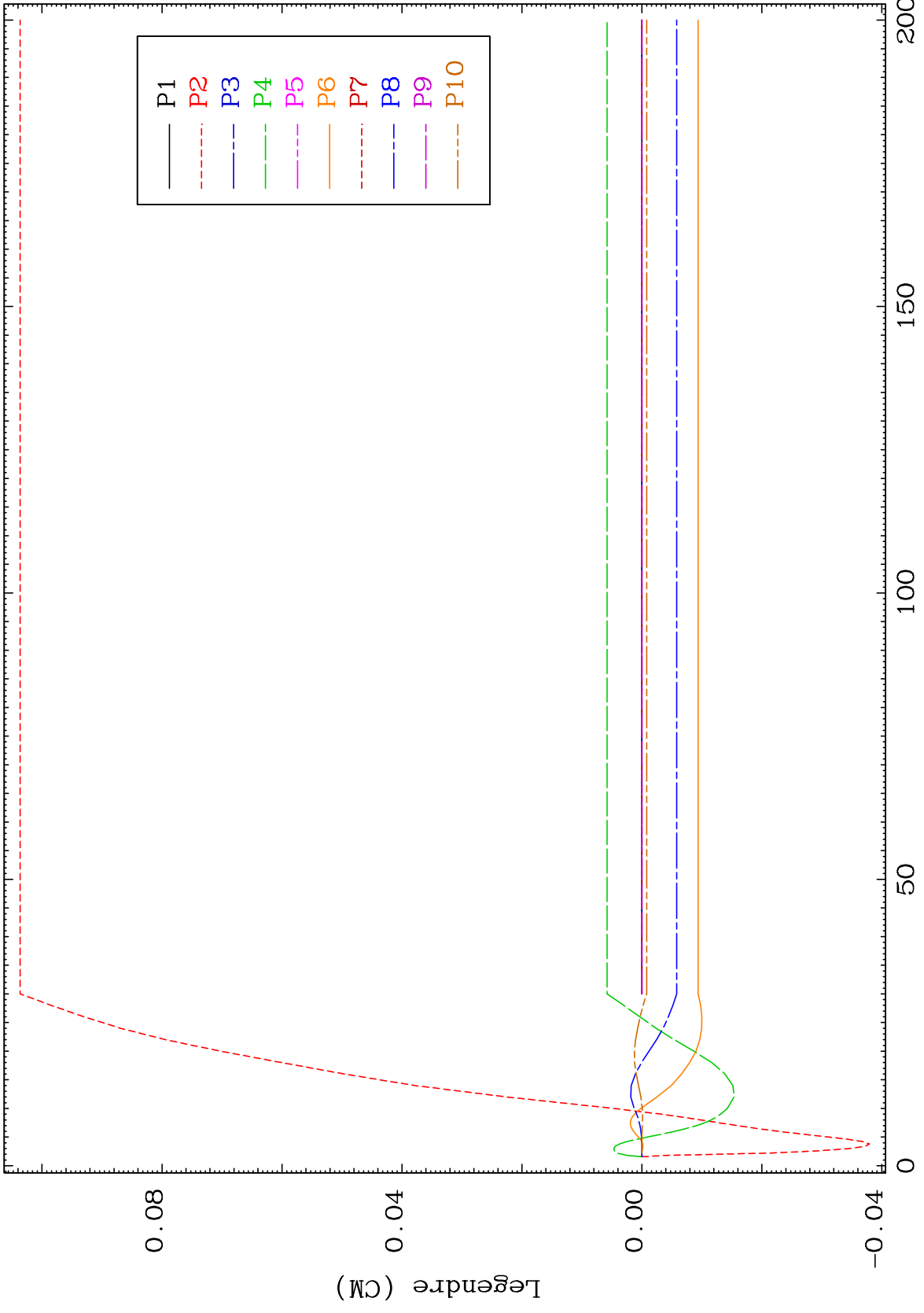
70-Yb-164

MAT 7013 MT= 67 (n,n') Level 70-Yb-164

Legendre Coefficients

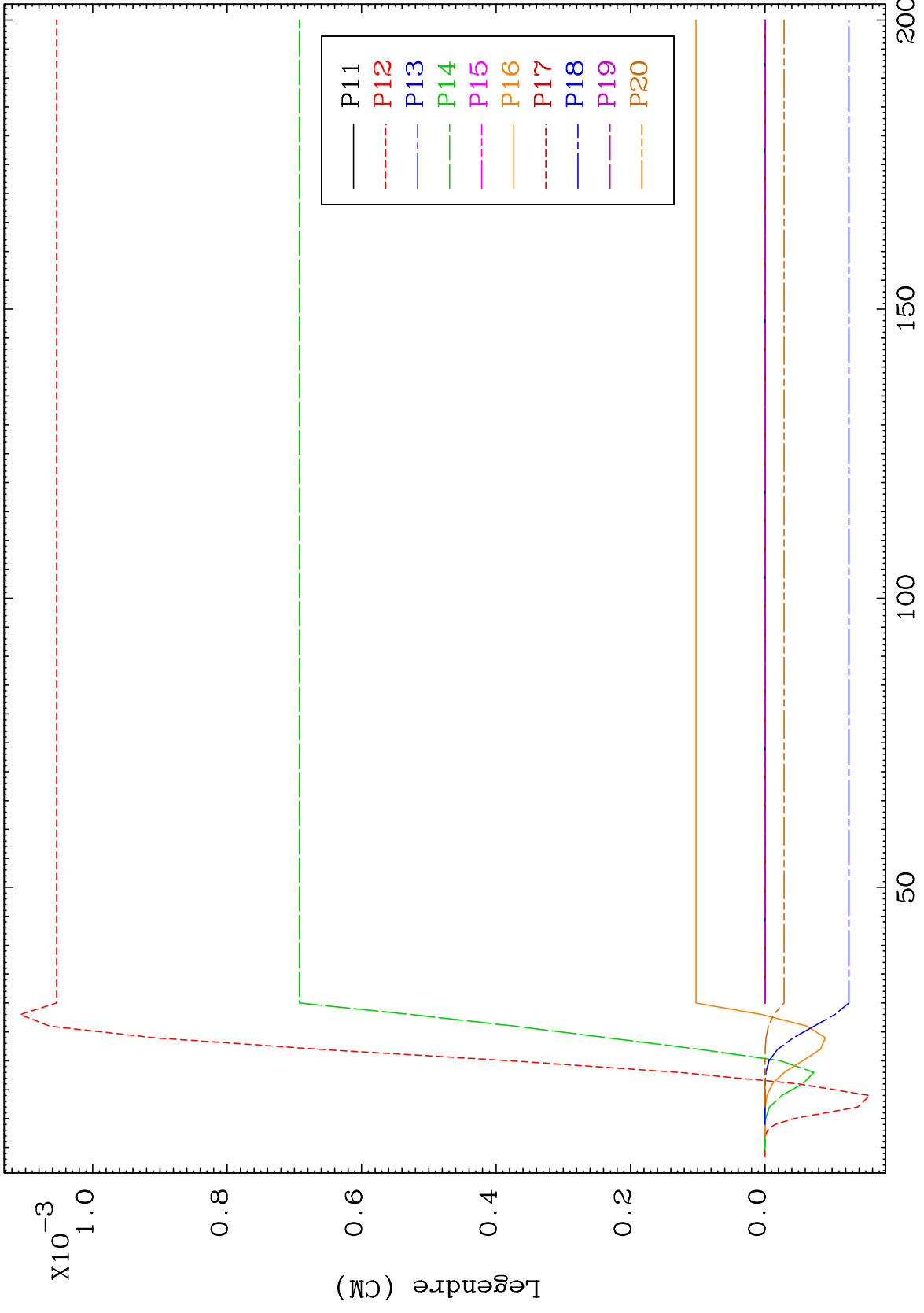


MAT 7013 MT= 68 (n,n') Level Legendre Coefficients 70-Yb-164

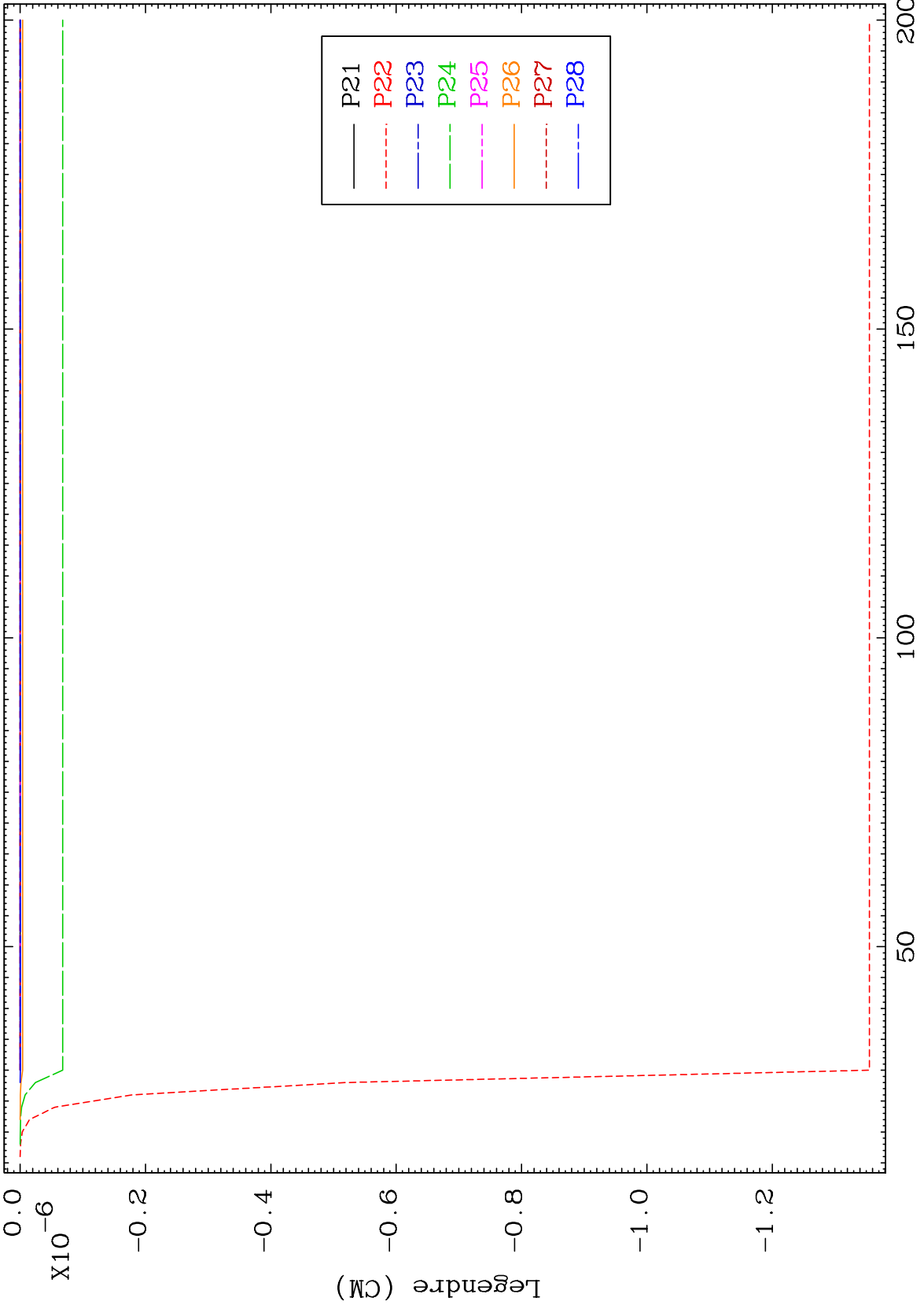


84 70-Yb-164

MAT 7013 MT= 68 (n,n') Level Legendre Coefficients 70-Yb-164



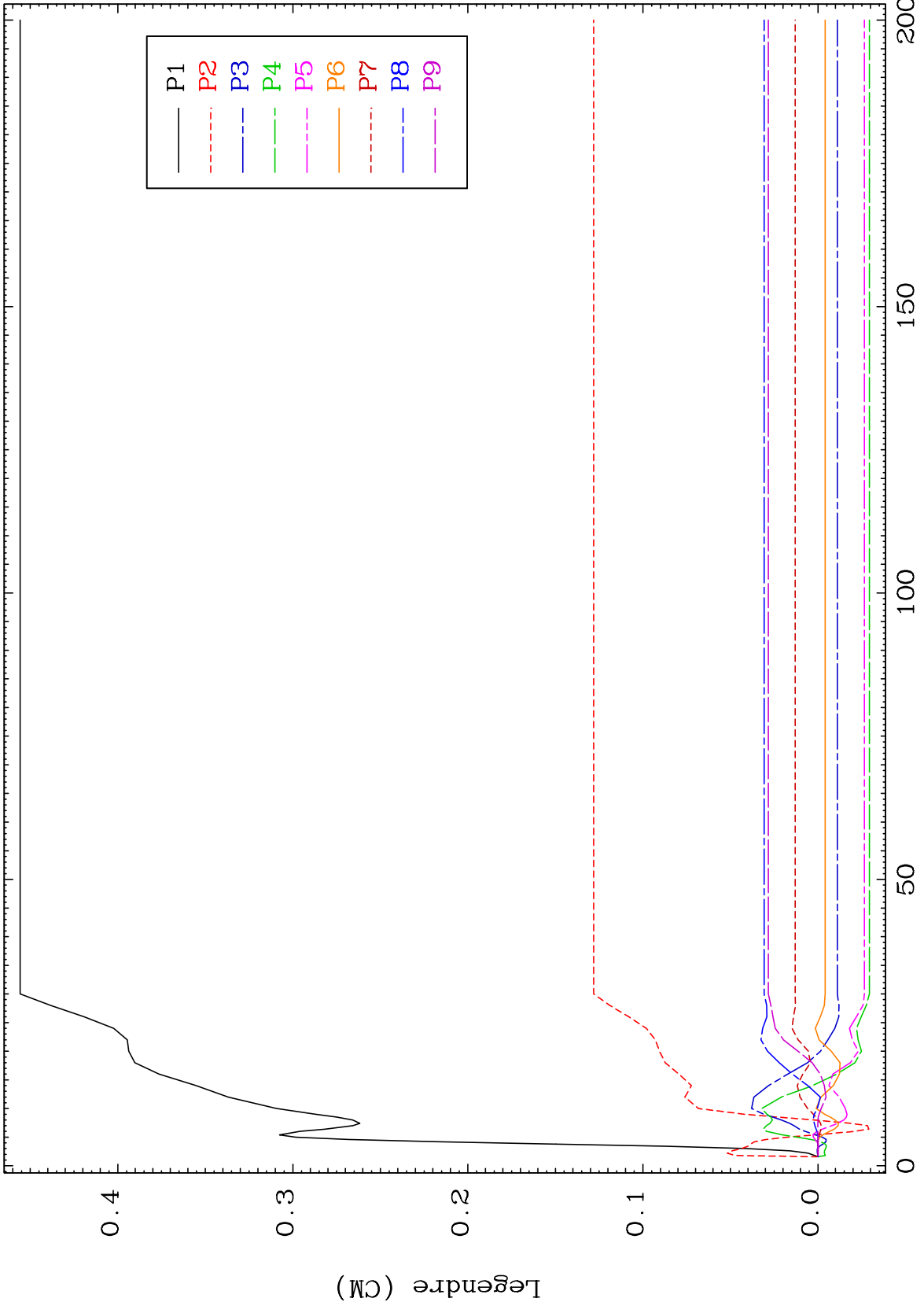
MAT 7013 MT= 68 (n,n') Level Legendre Coefficients 70-Yb-164



MAT 7013

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

70-Yb-164



87

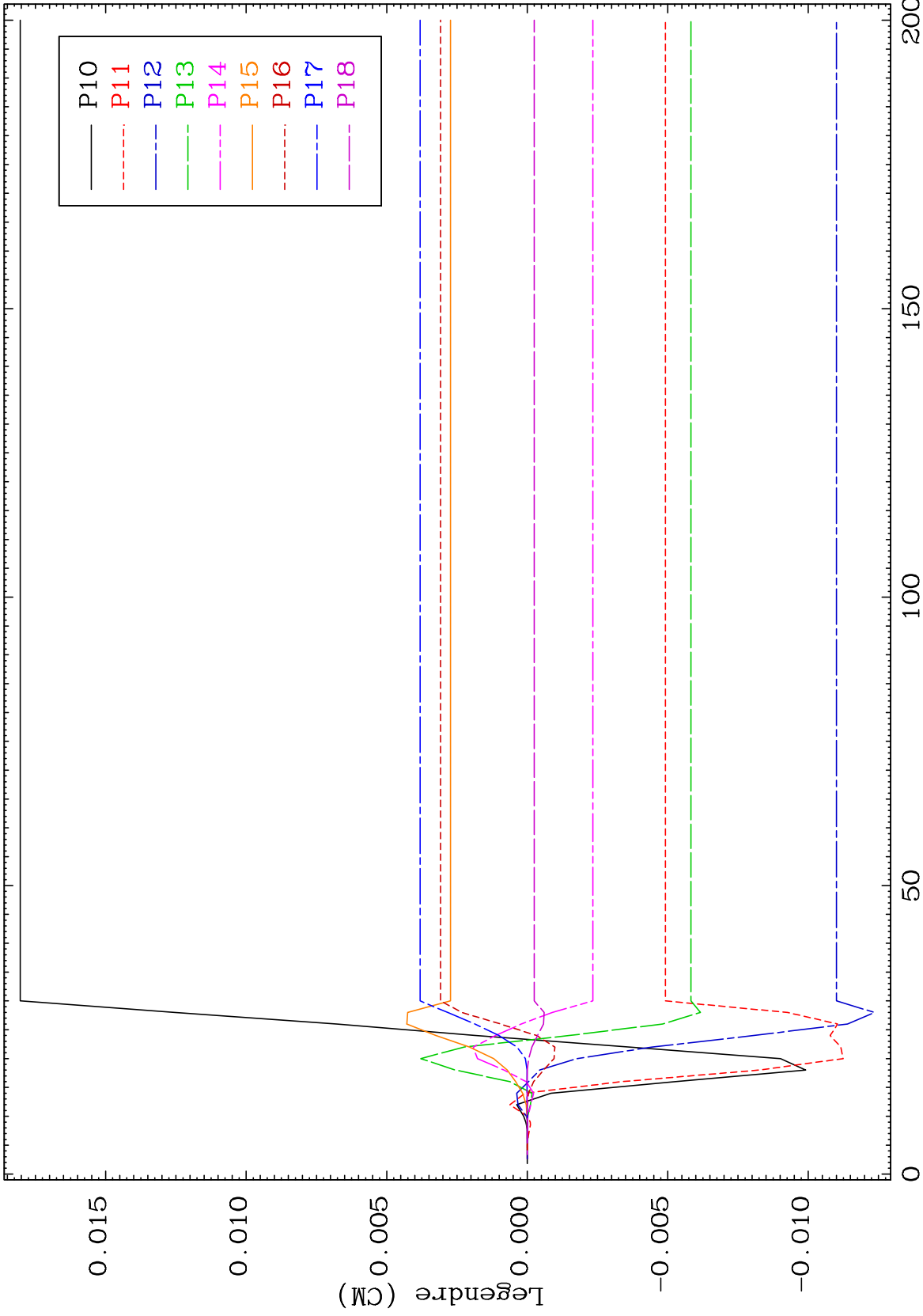
Incident Energy (MeV)

70-Yb-164

MAT 7013

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

70-Yb-164

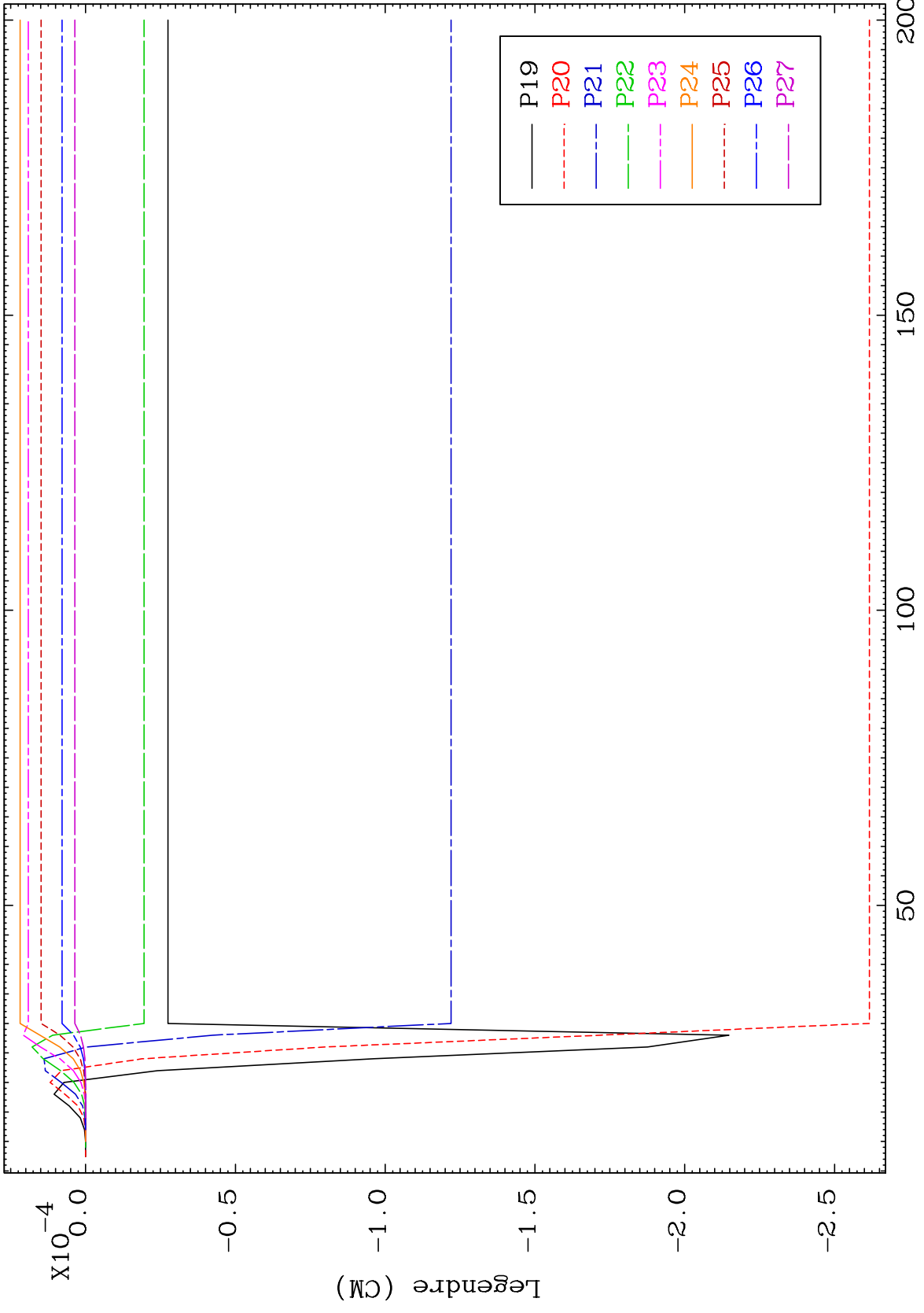


88

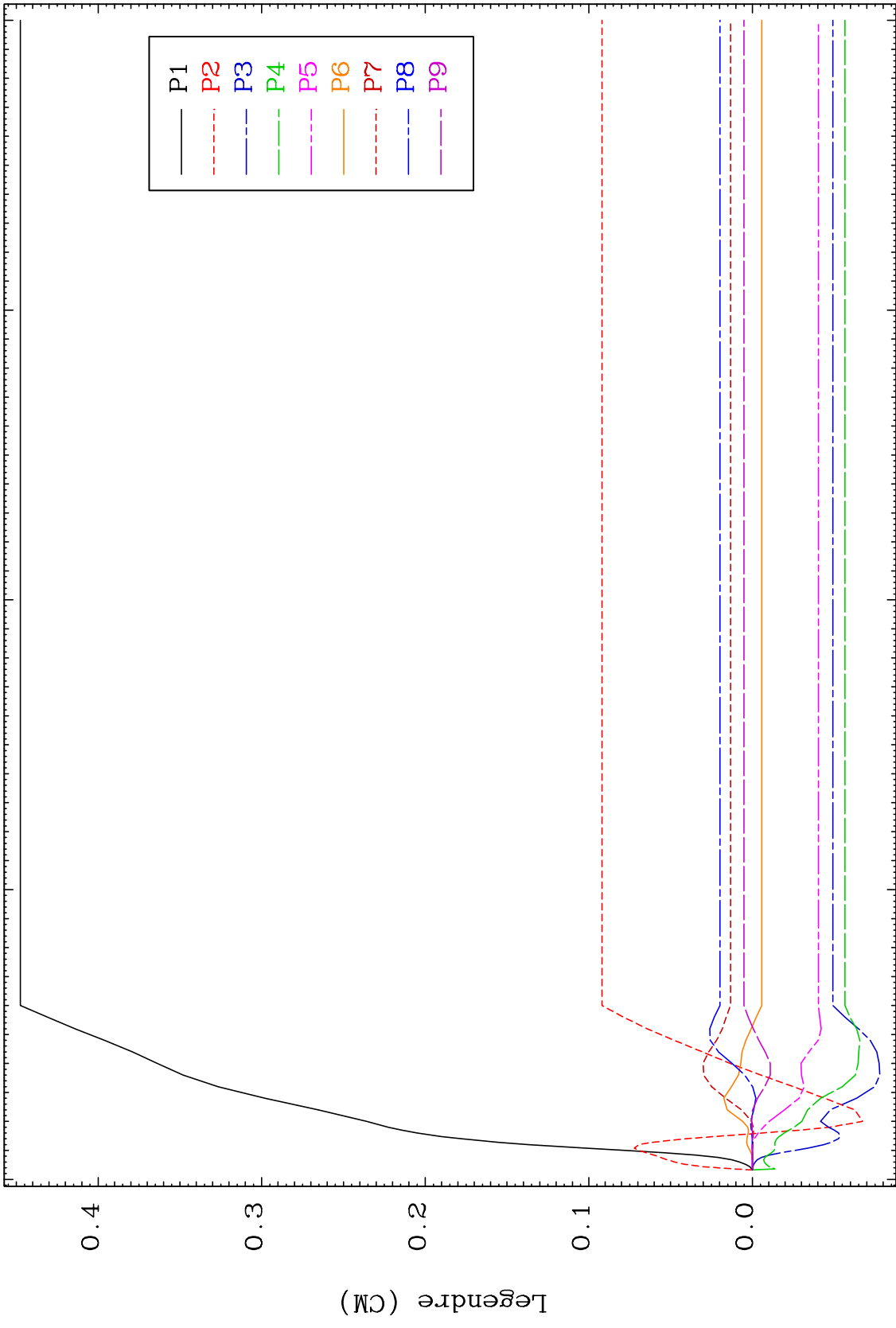
Incident Energy (MeV)

70-Yb-164

MAT 7013 MT= 69 (n,n') Level Legendre Coefficients 70-Yb-164



MAT 7013 MT= 70 (n,n') Level Legendre Coefficients 70-Yb-164

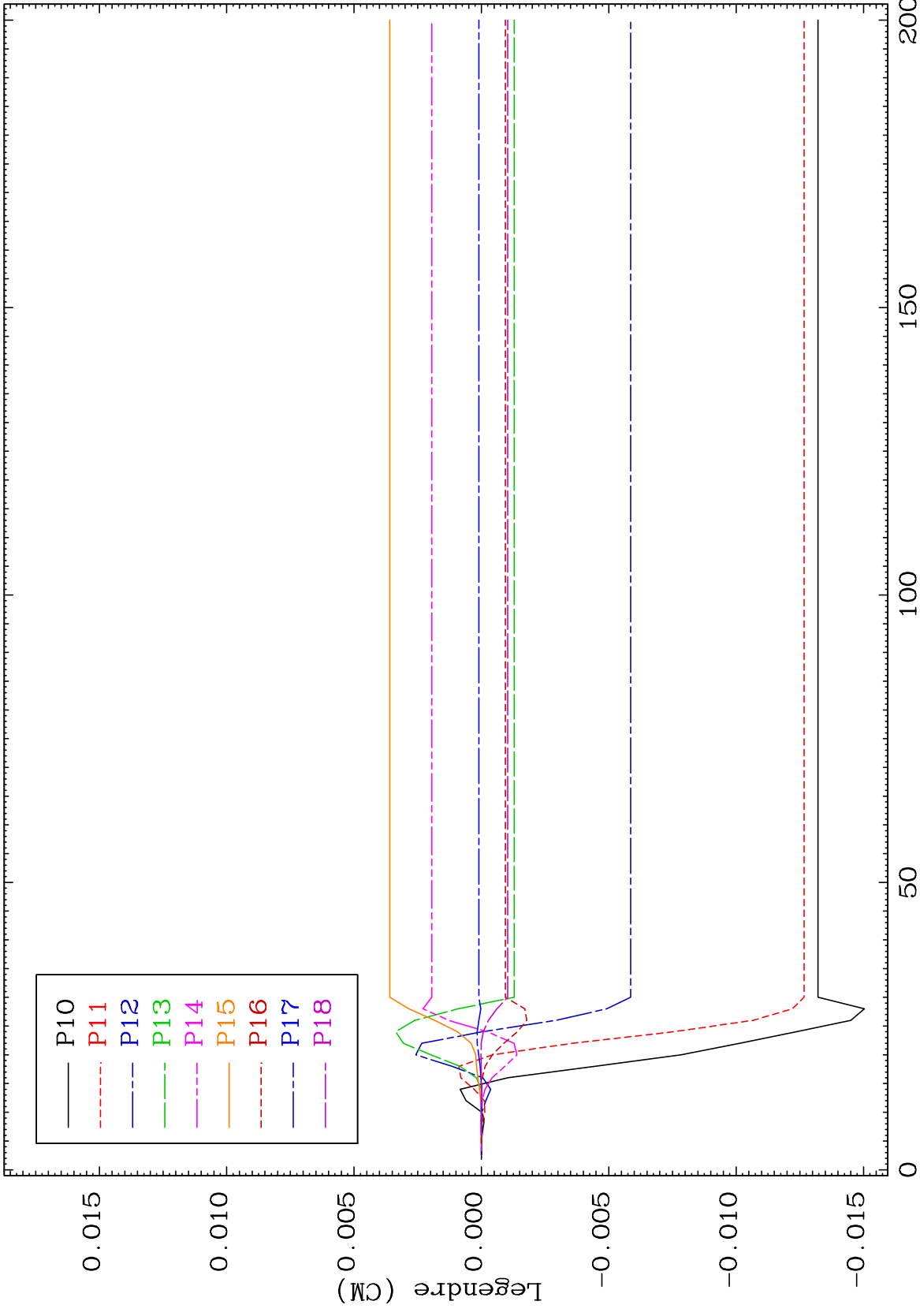


91 70-Yb-164

MAT 7013

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

70-Yb-164



92

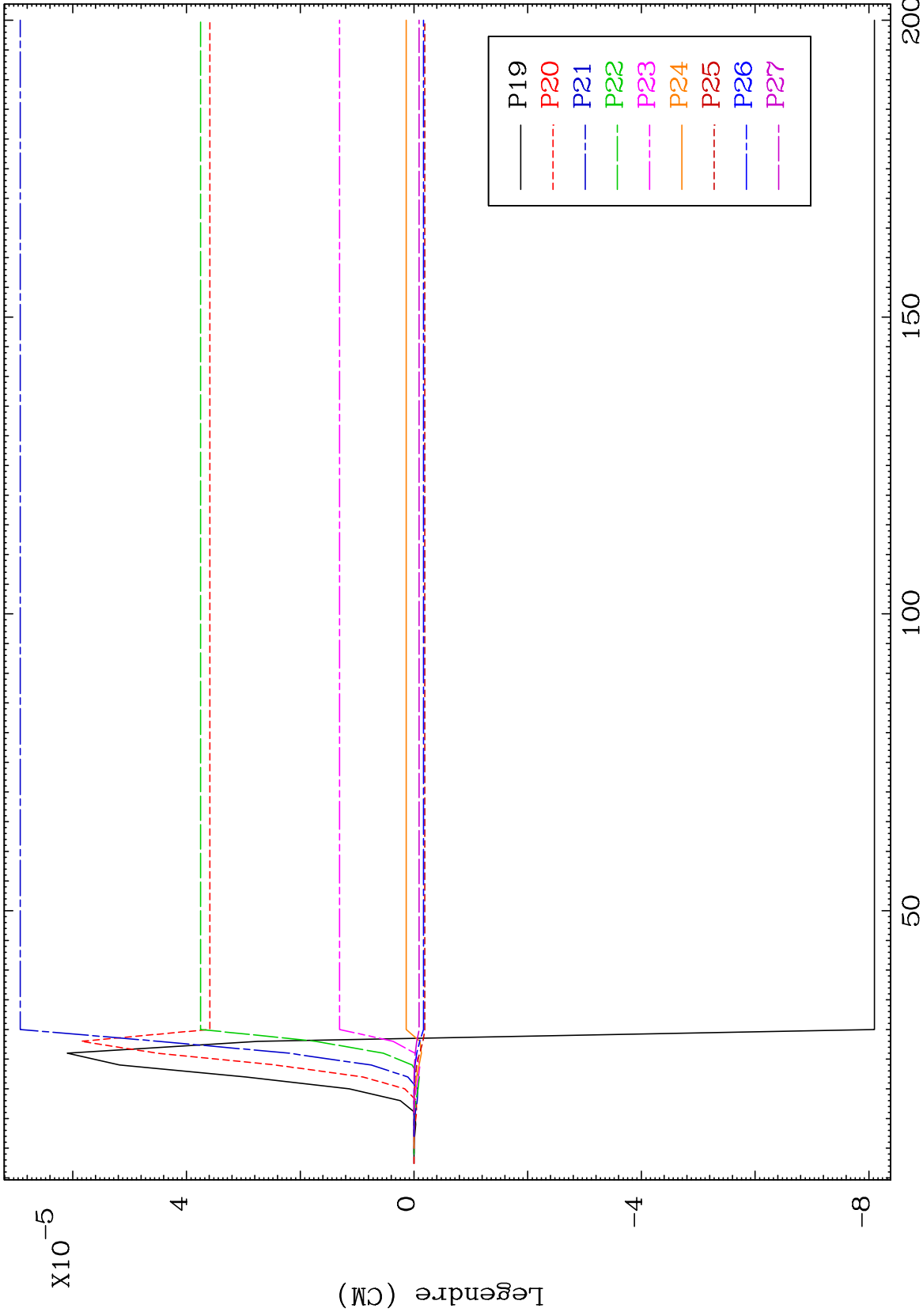
Incident Energy (MeV)

70-Yb-164

MAT 7013

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

70-Yb-164



93

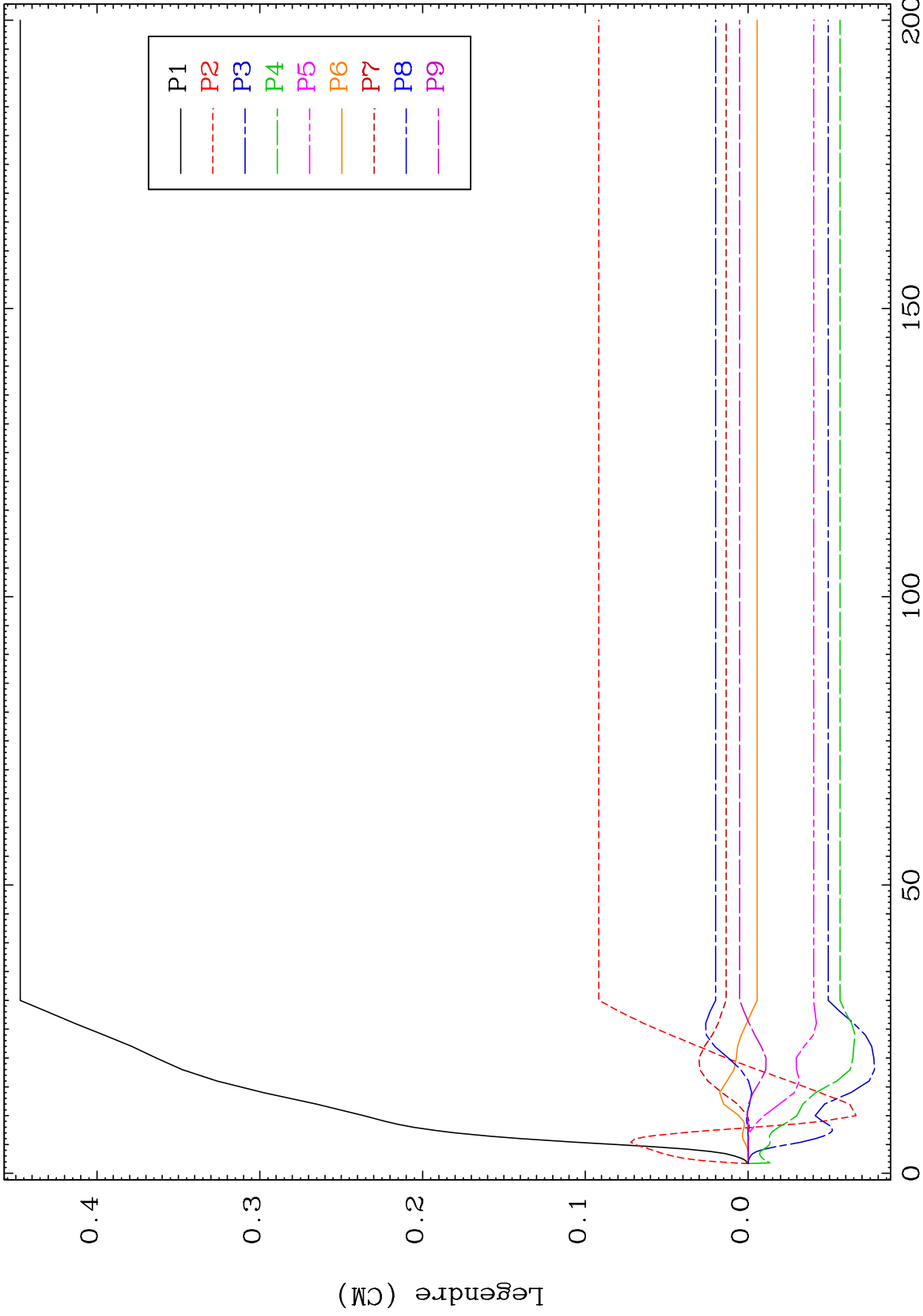
Incident Energy (MeV)

70-Yb-164

MAT 7013

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

70-Yb-164



95

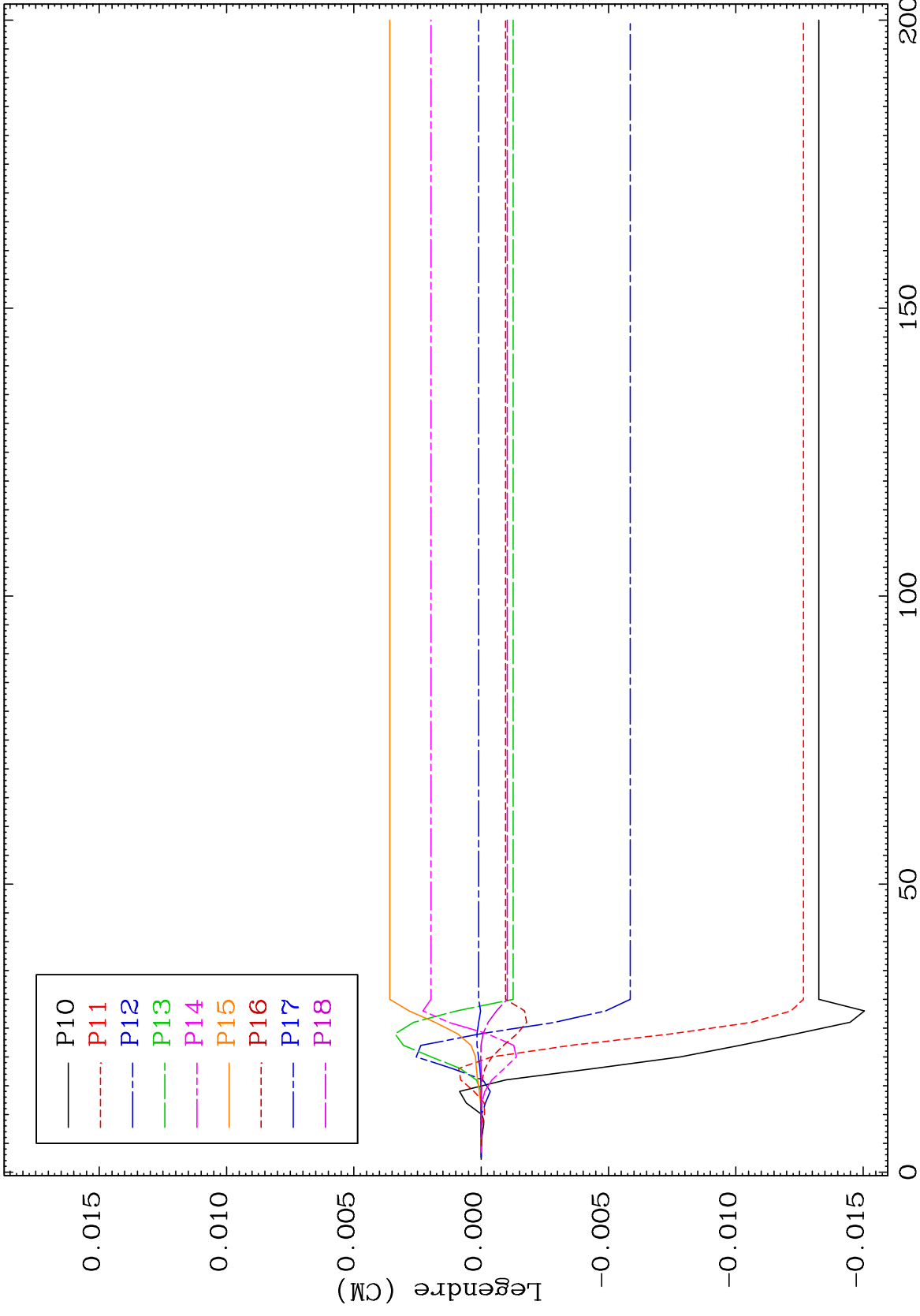
Incident Energy (MeV)

70-Yb-164

MAT 7013

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

70-Yb-164



96

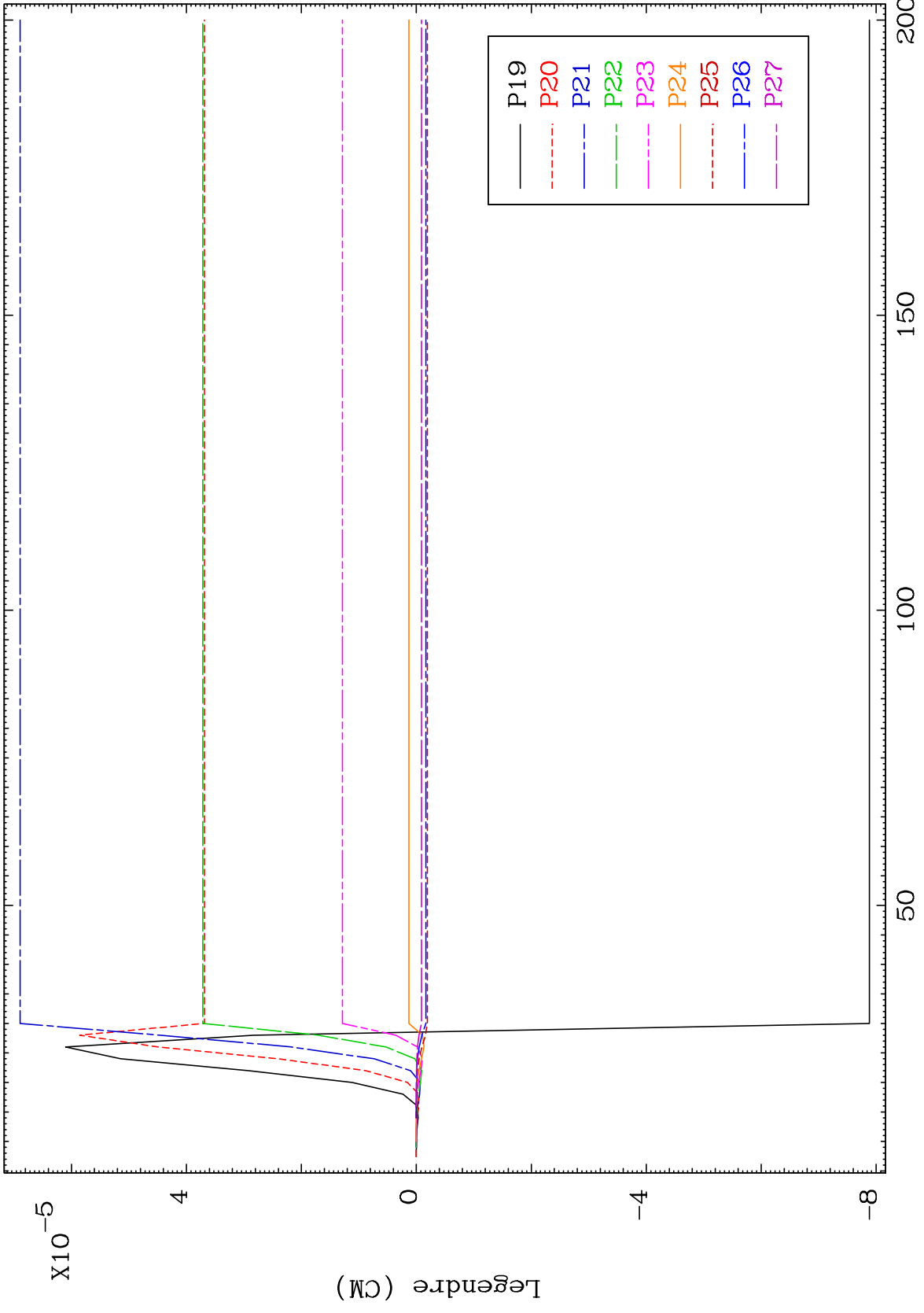
Incident Energy (MeV)

70-Yb-164

MAT 7013

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

70-Yb-164

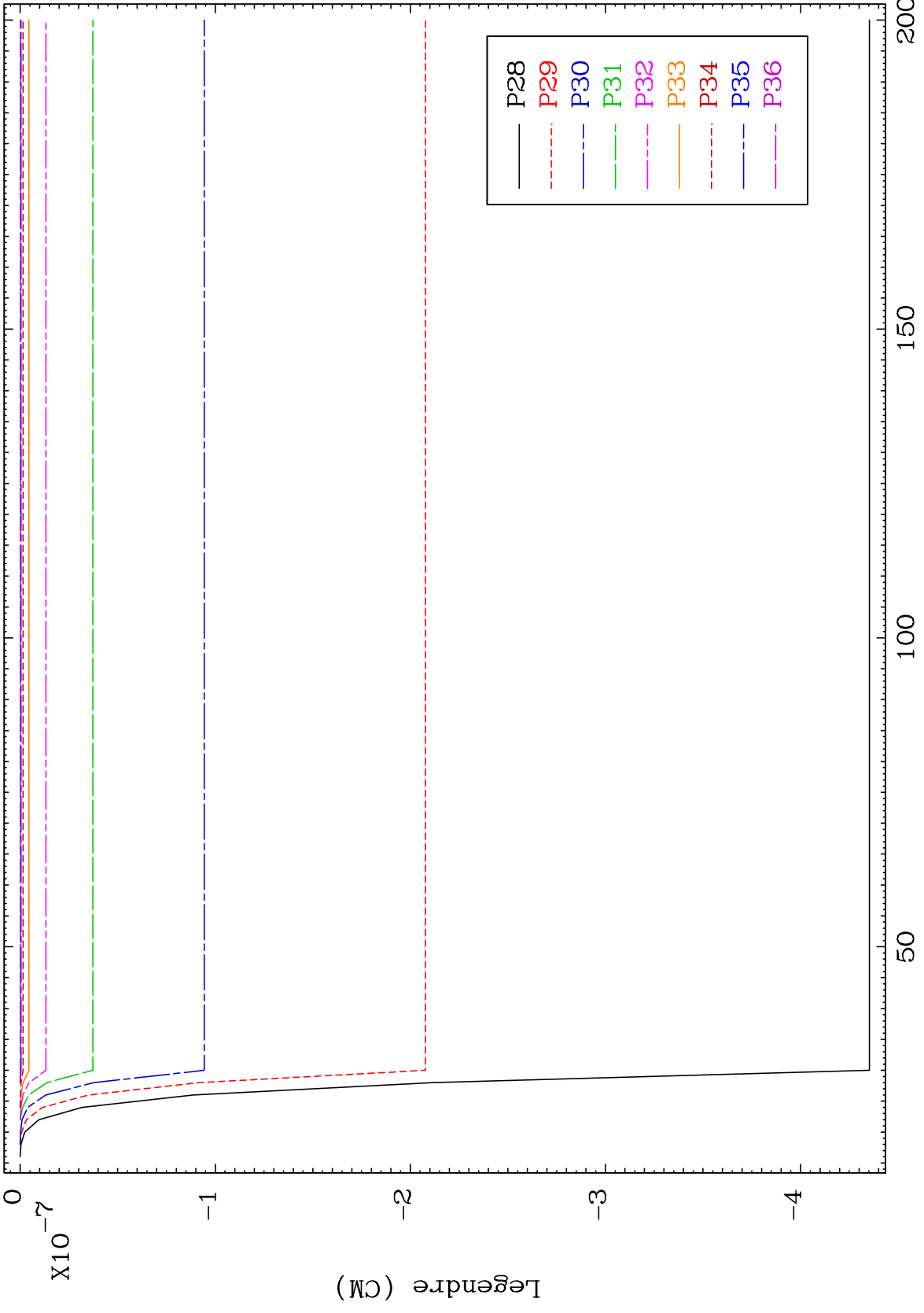


97

Incident Energy (MeV)

70-Yb-164

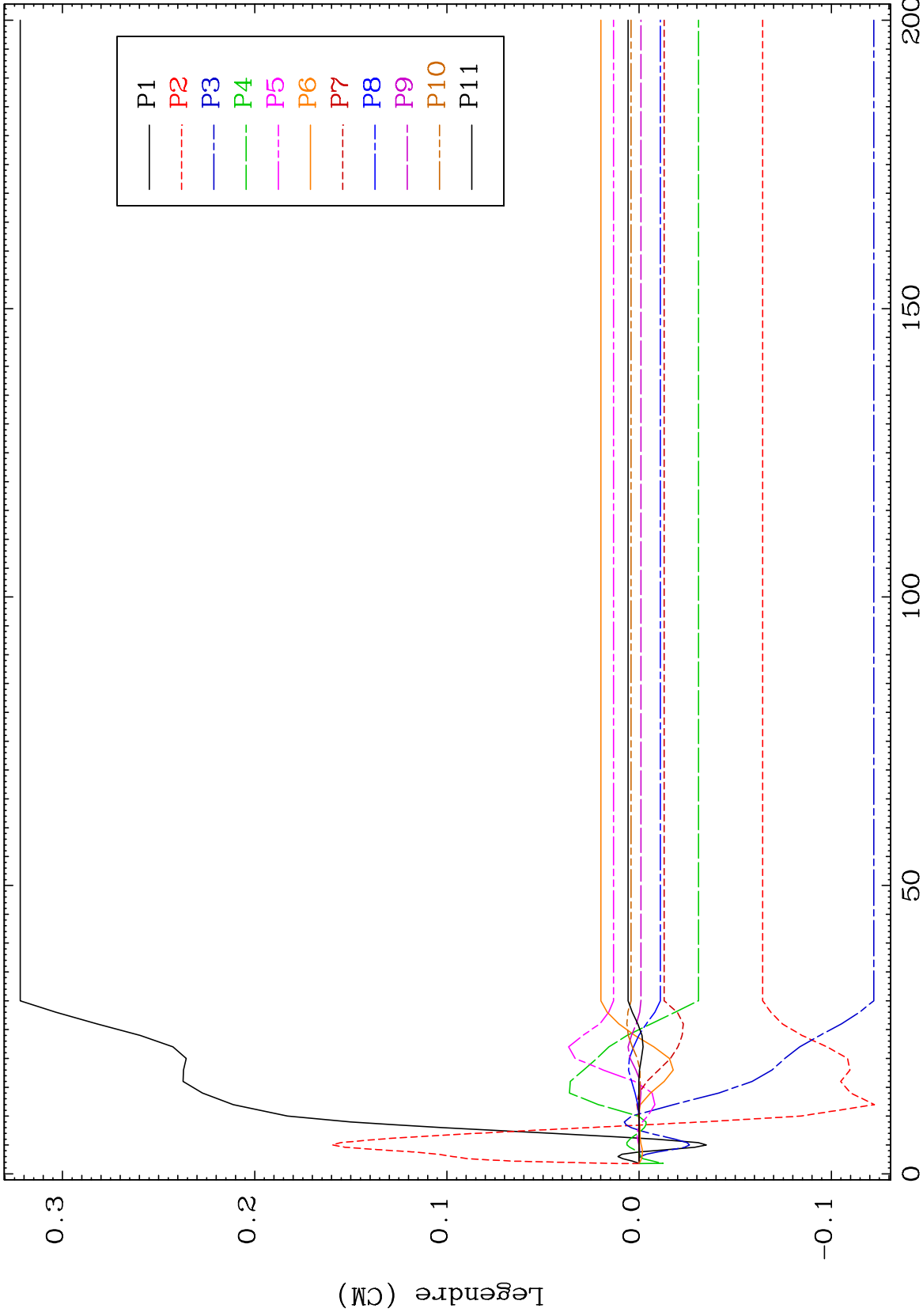
MAT 7013 MT= 71 (n,n') Level Legendre Coefficients 70-Yb-164



MAT 7013

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

70-Yb-164



99

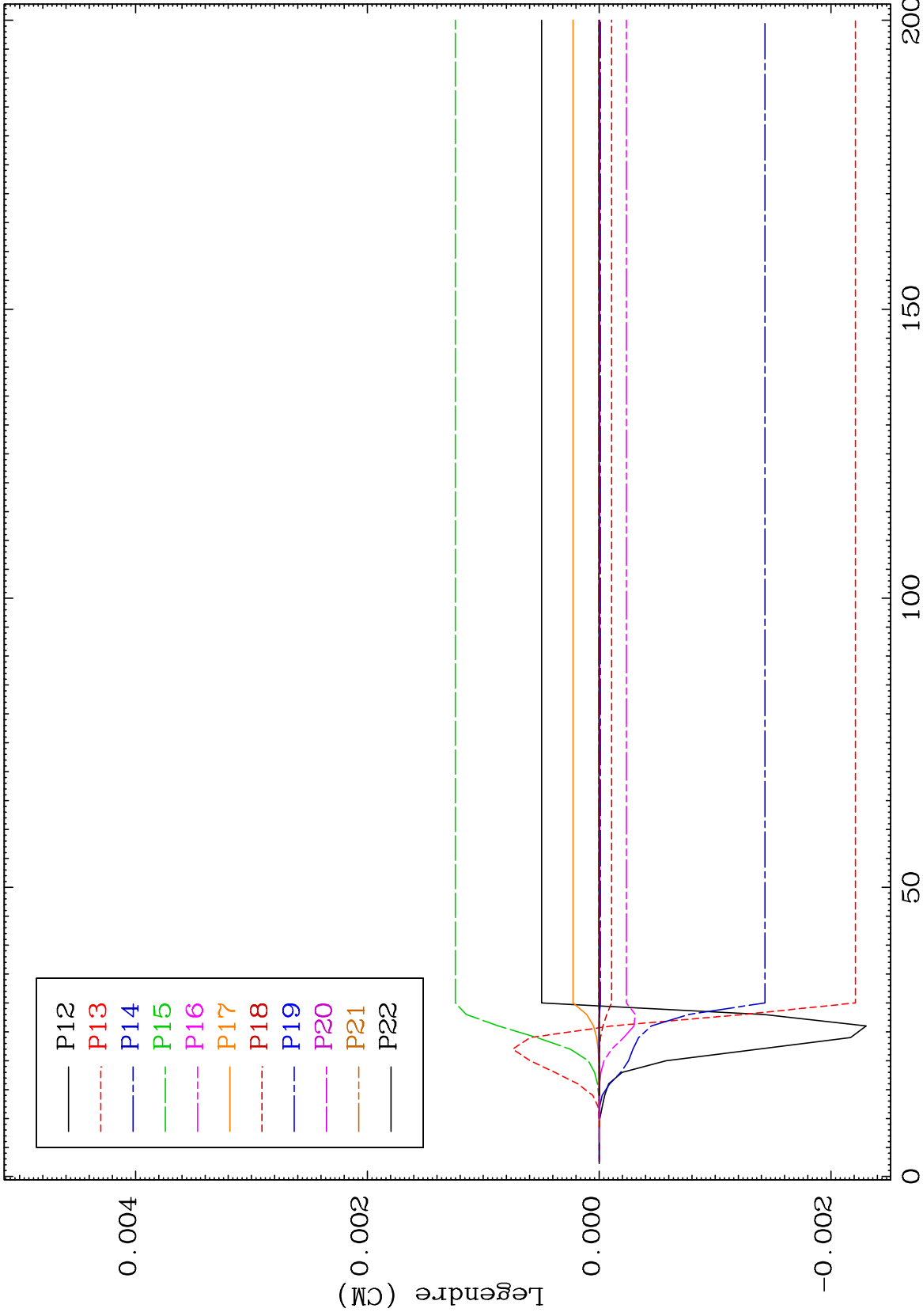
Incident Energy (MeV)

70-Yb-164

MAT 7013

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

70-Yb-164



70-Yb-164

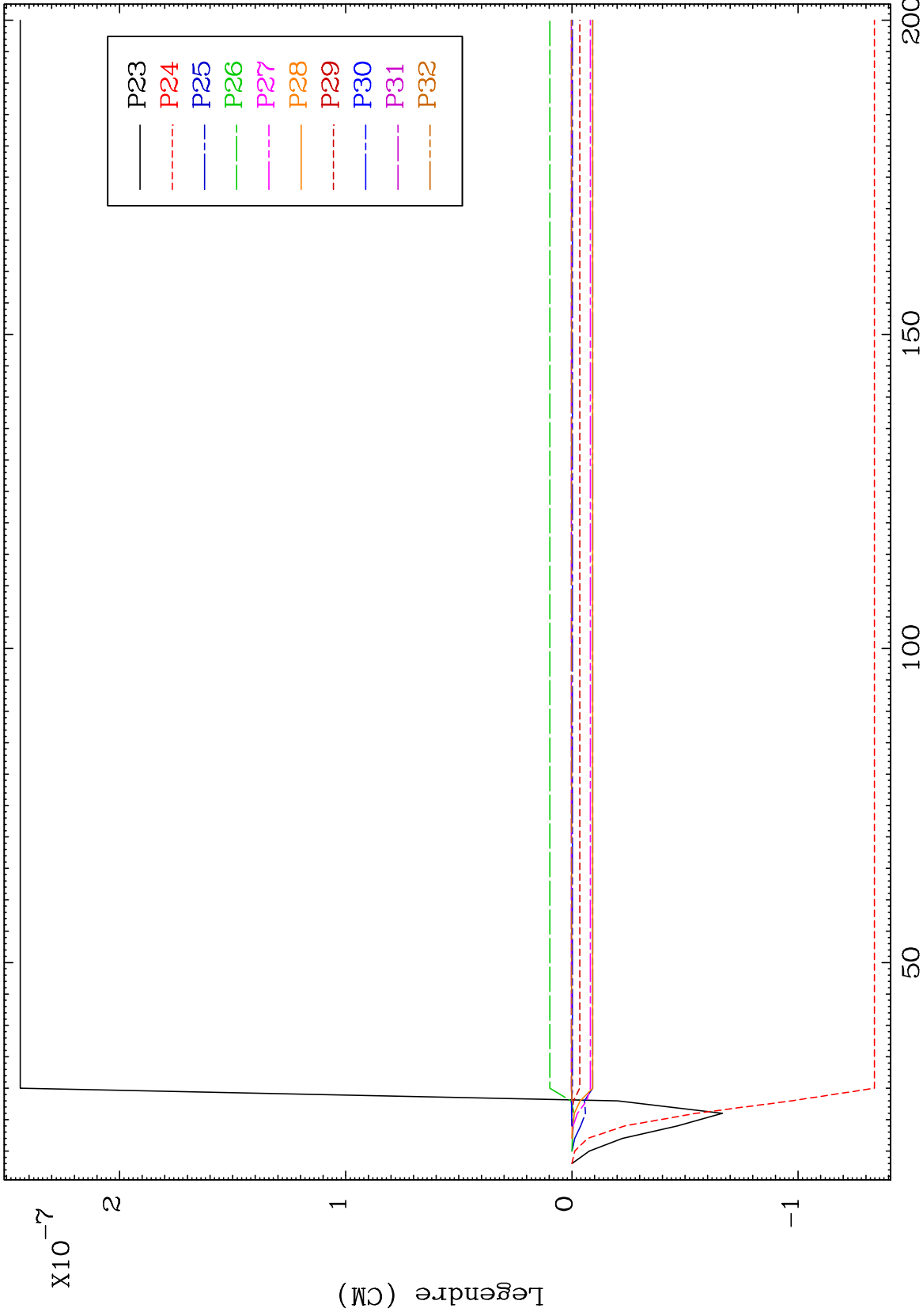
Incident Energy (MeV)

100

MAT 7013

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

70-Yb-164



101

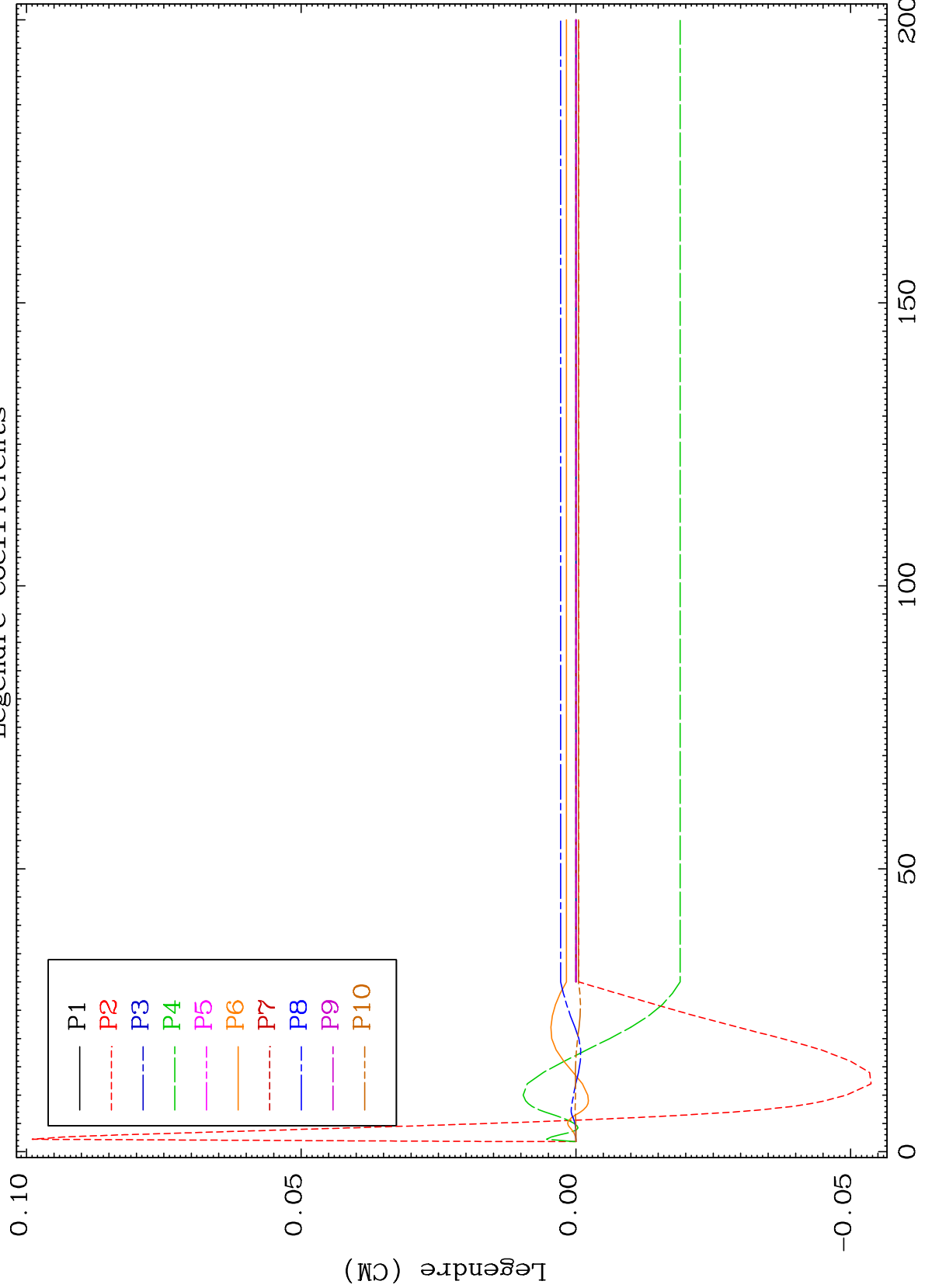
Incident Energy (MeV)

70-Yb-164

MAT 7013 MT= 73 (n,n') Level Legendre Coefficients

70-Yb-164

70-Yb-164

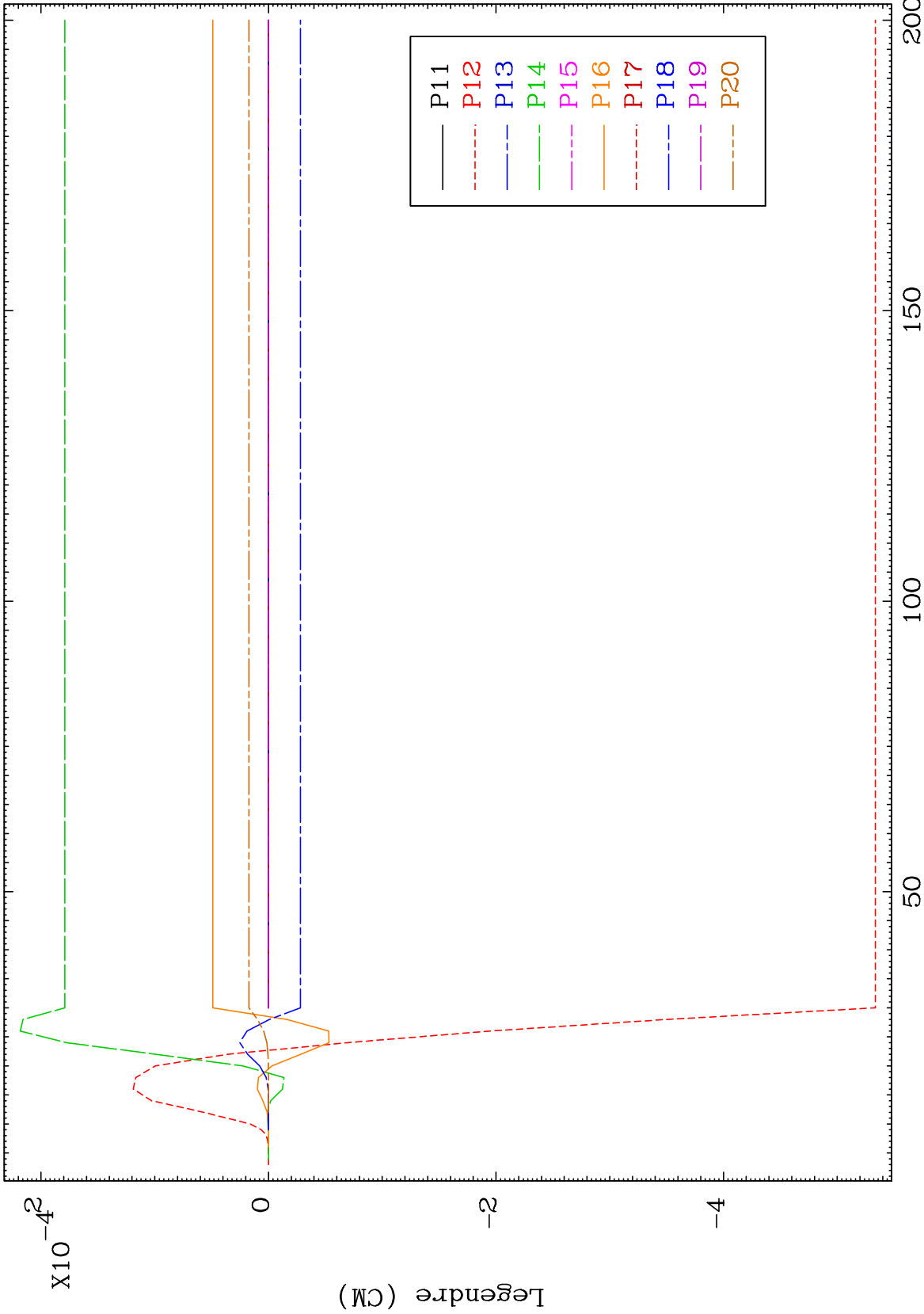


102

MAT 7013

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

70-Yb-164

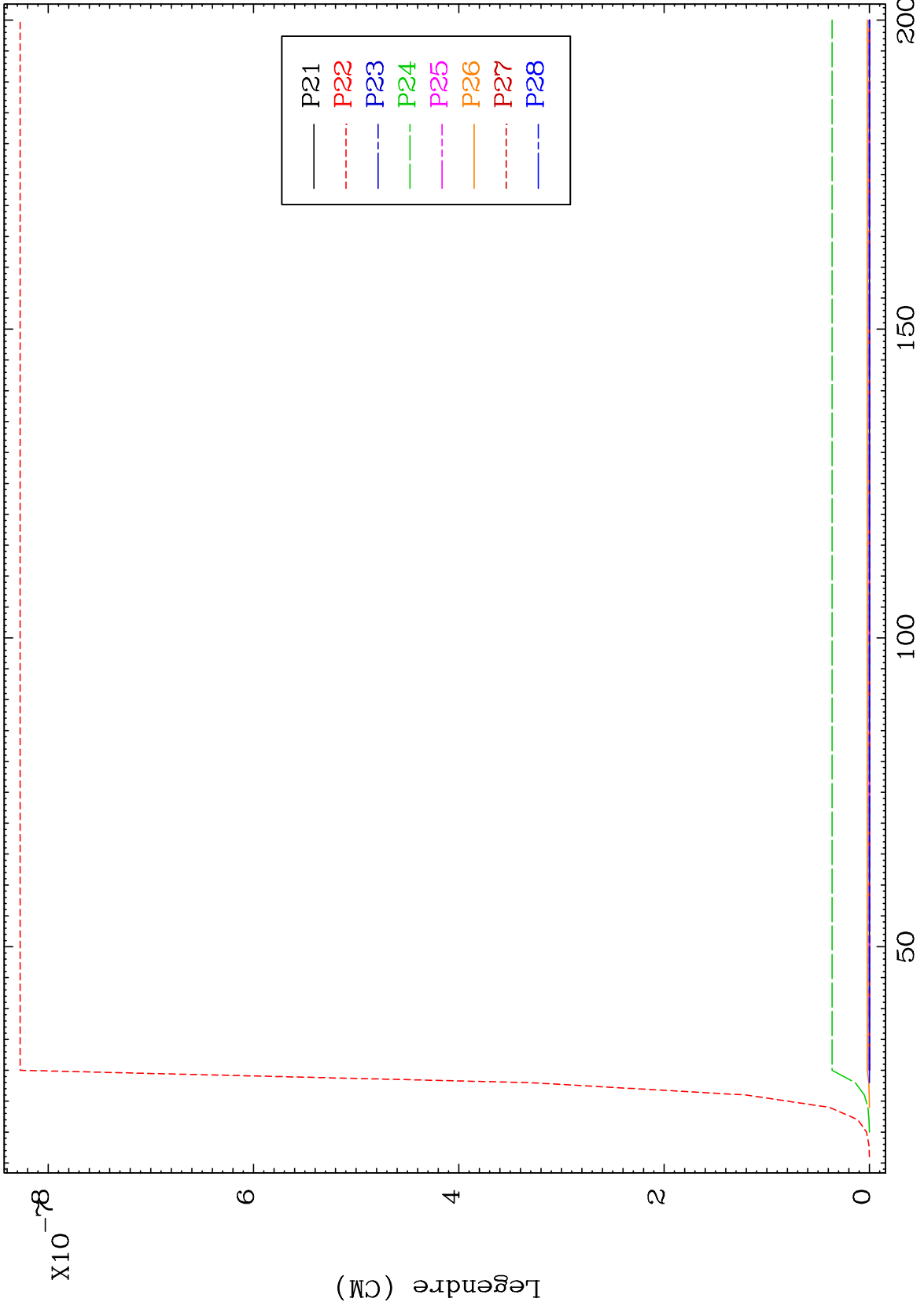


103

Incident Energy (MeV)

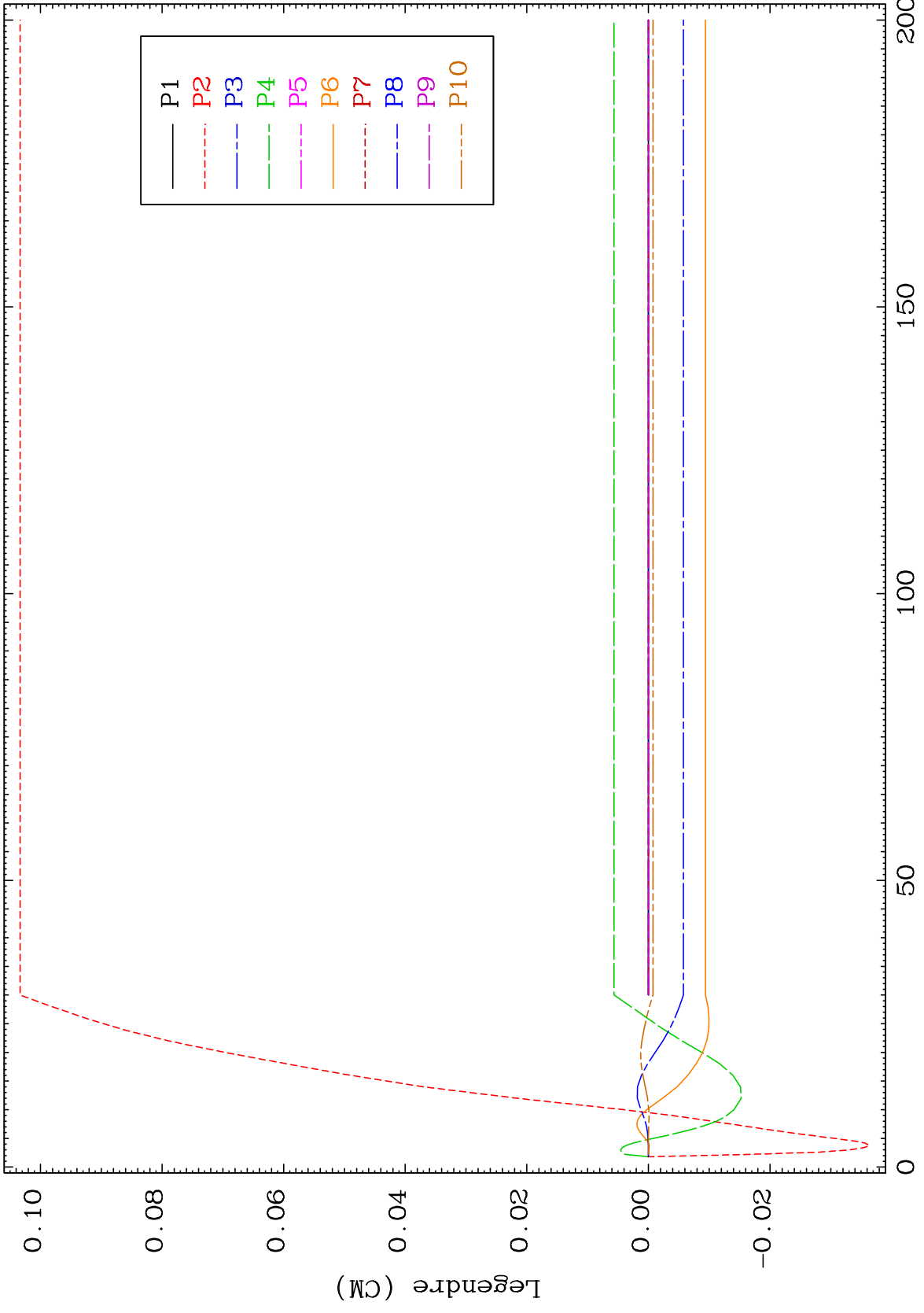
70-Yb-164

MAT 7013 MT= 73 (n,n') Level Legendre Coefficients 70-Yb-164



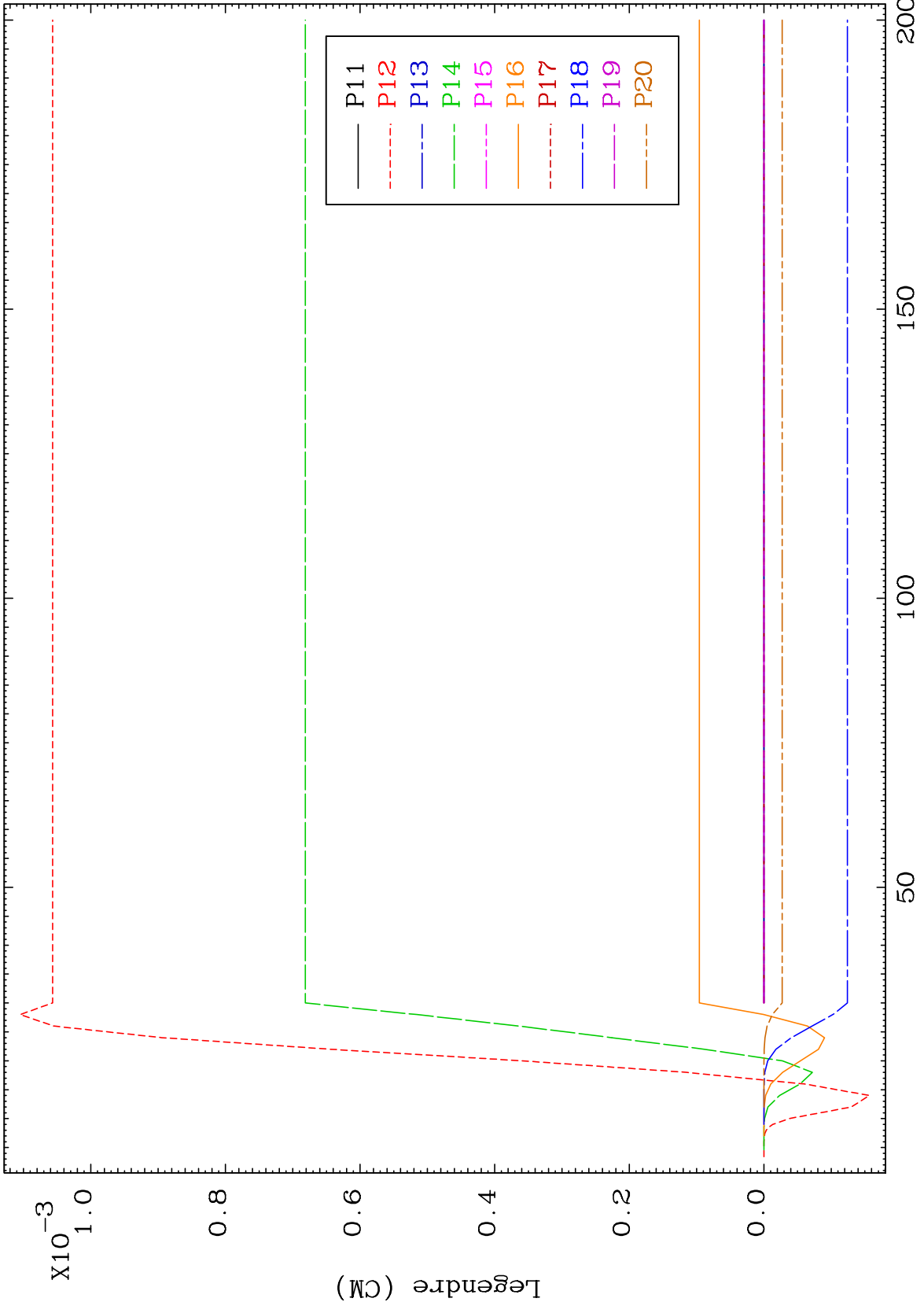
104 50 100 150 200 70-Yb-164

MAT 7013 MT= 74 (n,n') Level Legendre Coefficients 70-Yb-164



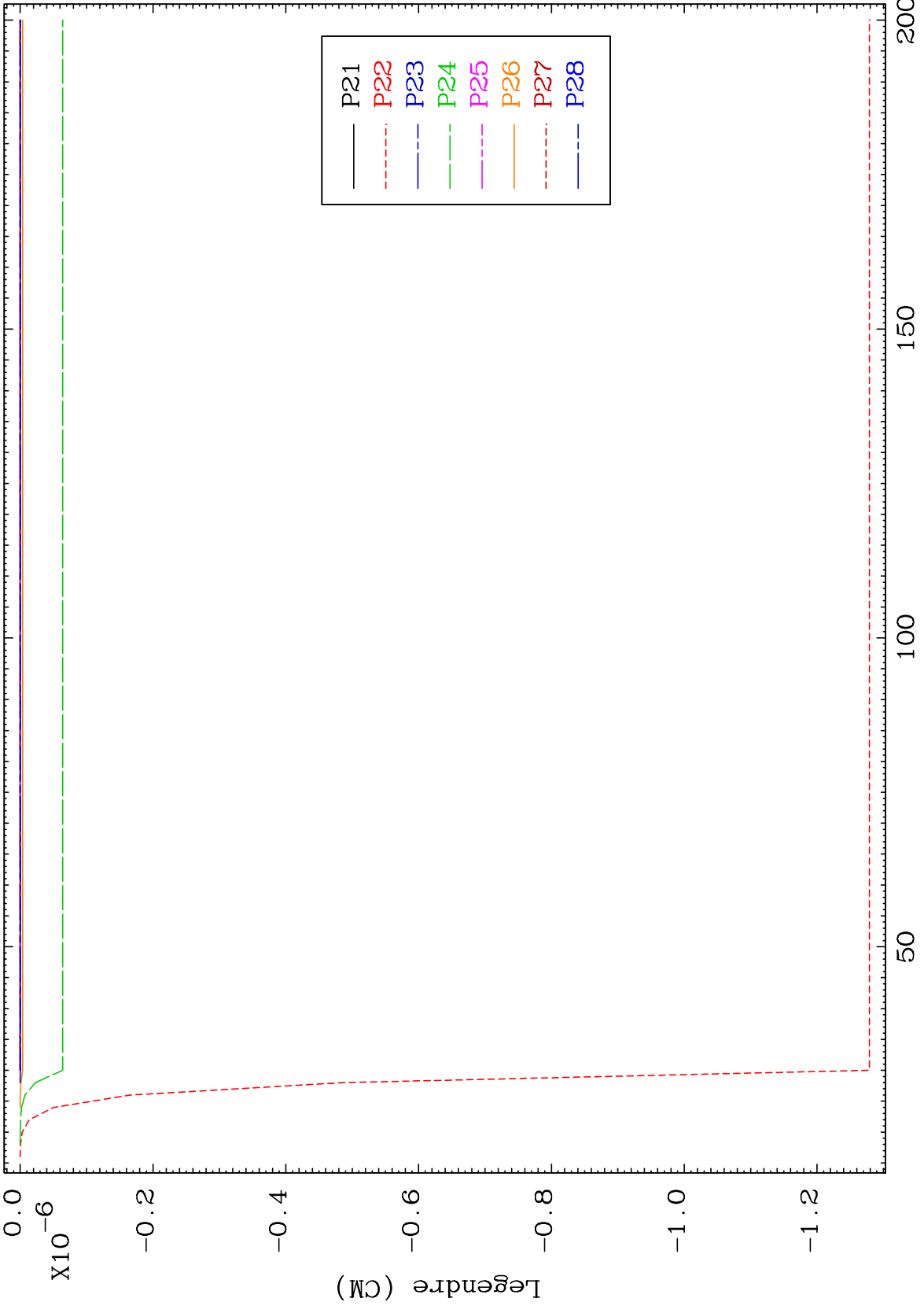
105 150 200 70-Yb-164

MAT 7013 MT= 74 (n,n') Level Legendre Coefficients 70-Yb-164



106 Incident Energy (MeV) 70-Yb-164

MAT 7013 MT= 74 (n,n') Level Legendre Coefficients 70-Yb-164

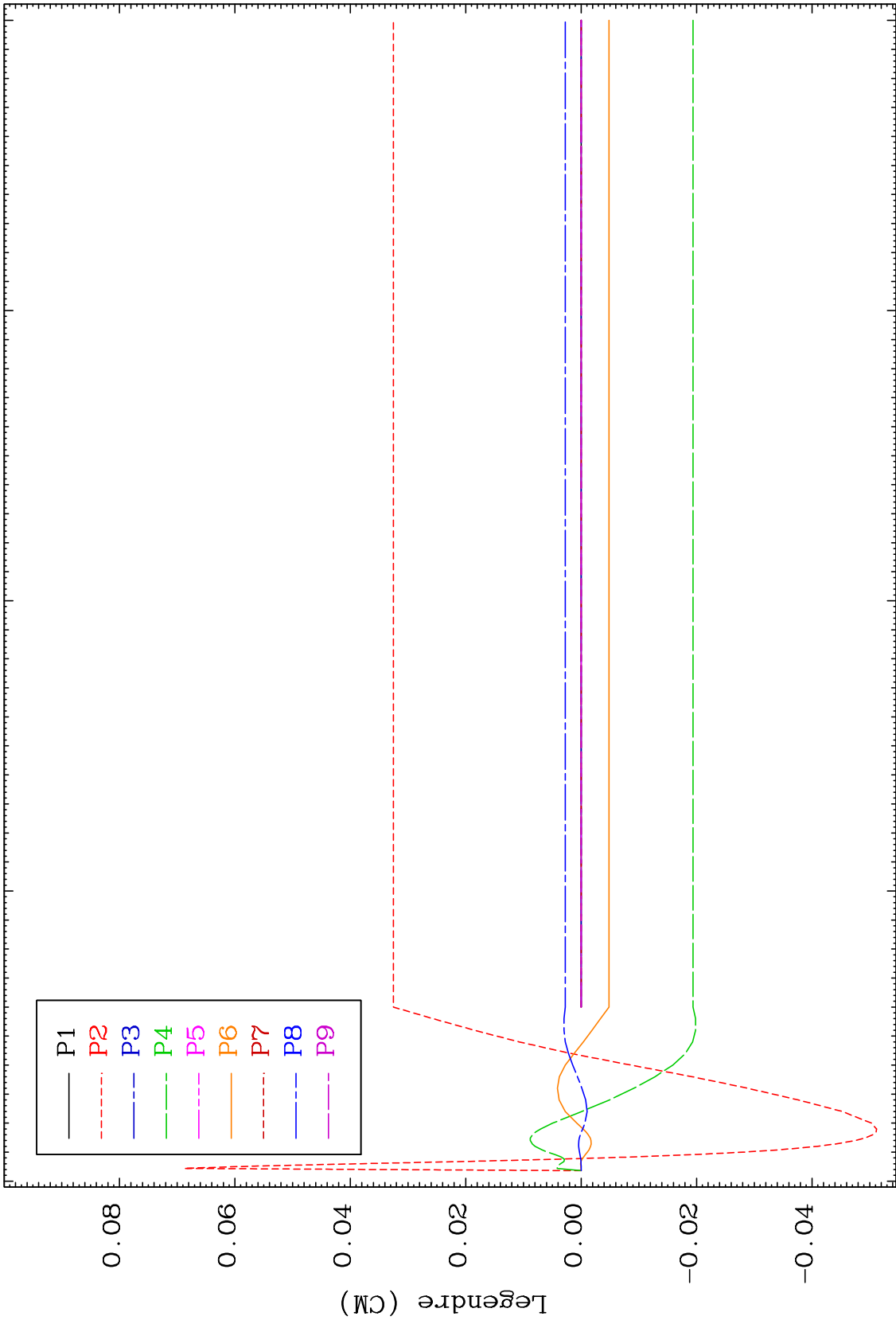


107 70-Yb-164

MAT 7013

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

70-Yb-164



108

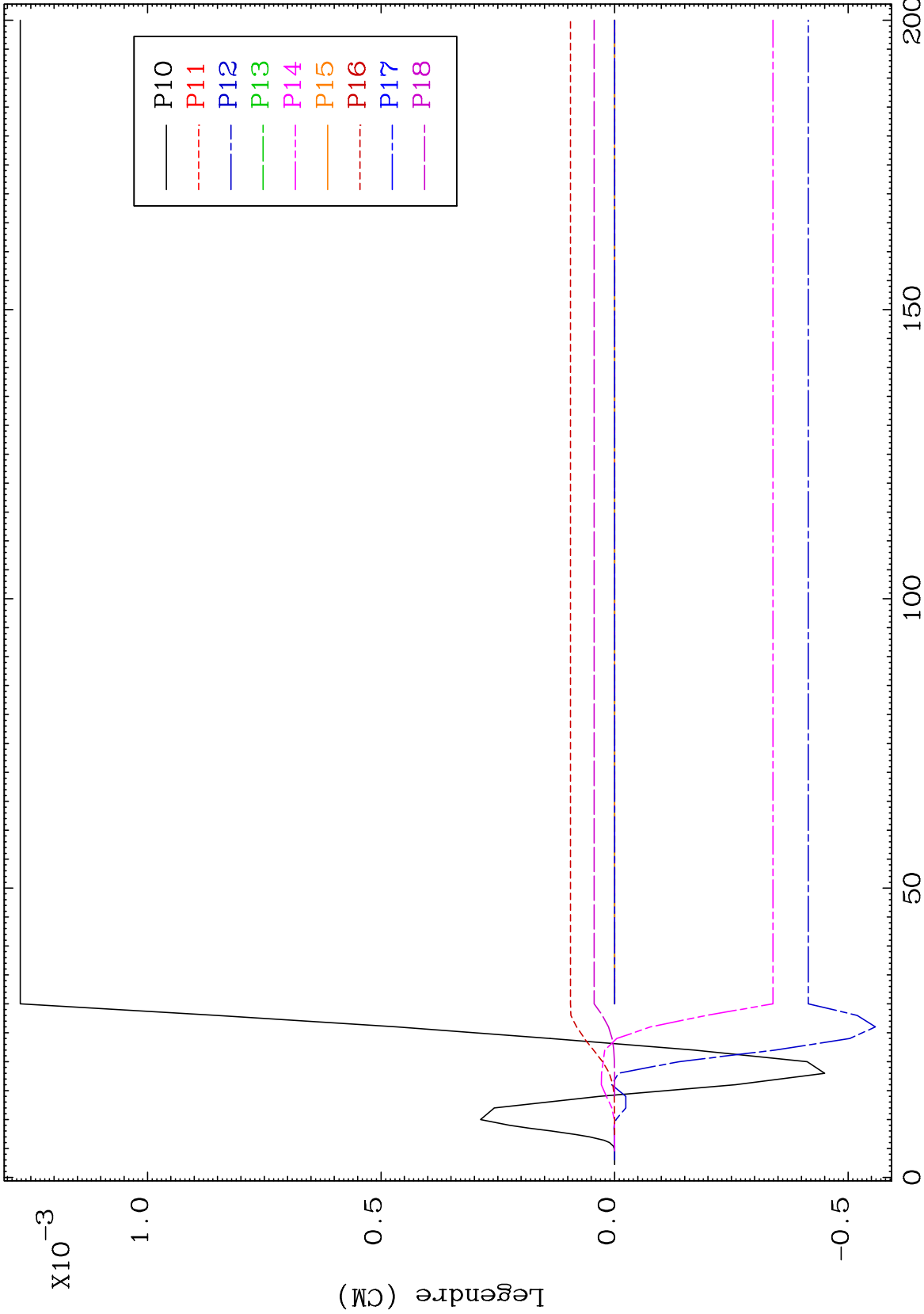
Incident Energy (MeV)

70-Yb-164

MAT 7013

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

70-Yb-164

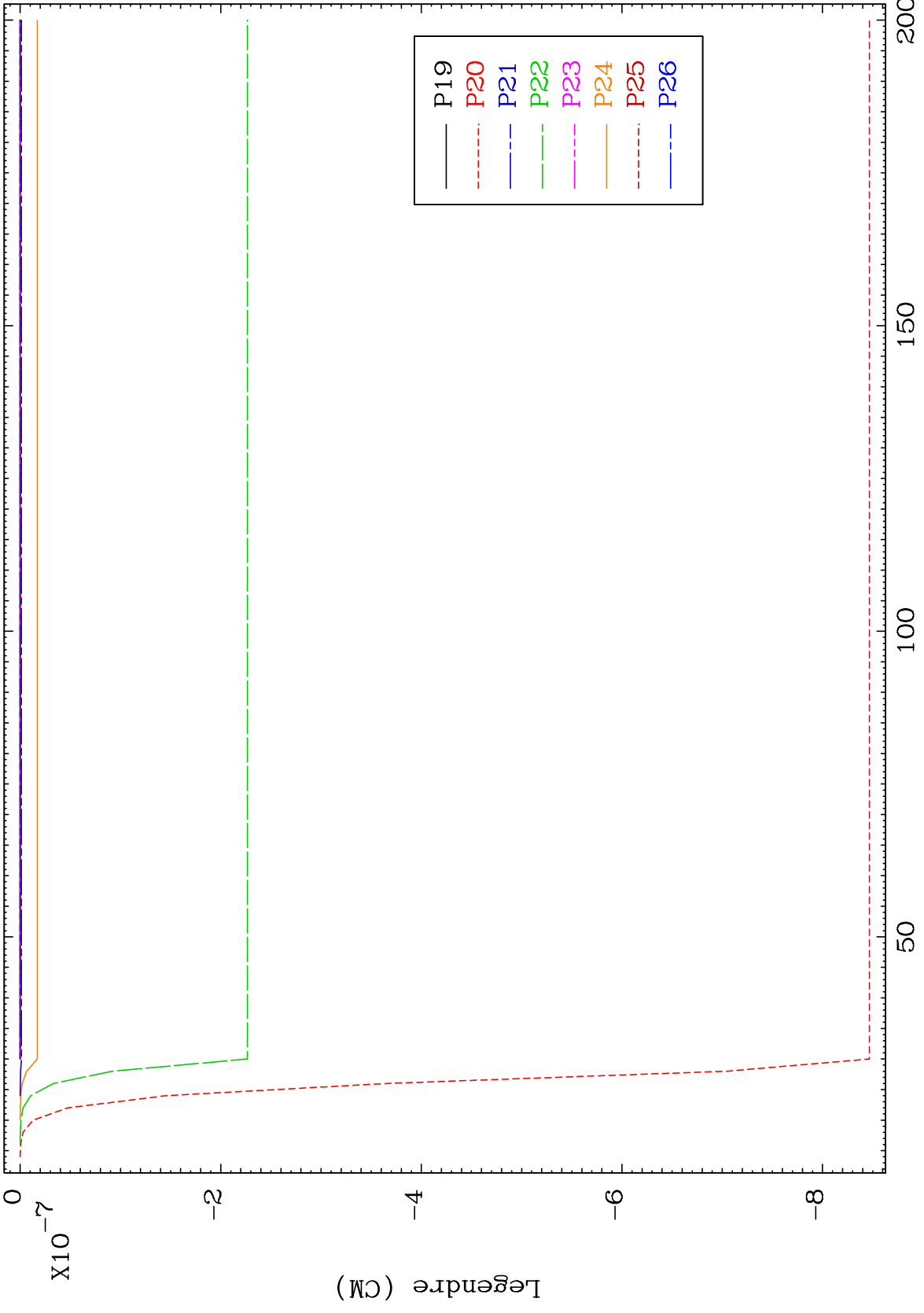


109

Incident Energy (MeV)

70-Yb-164

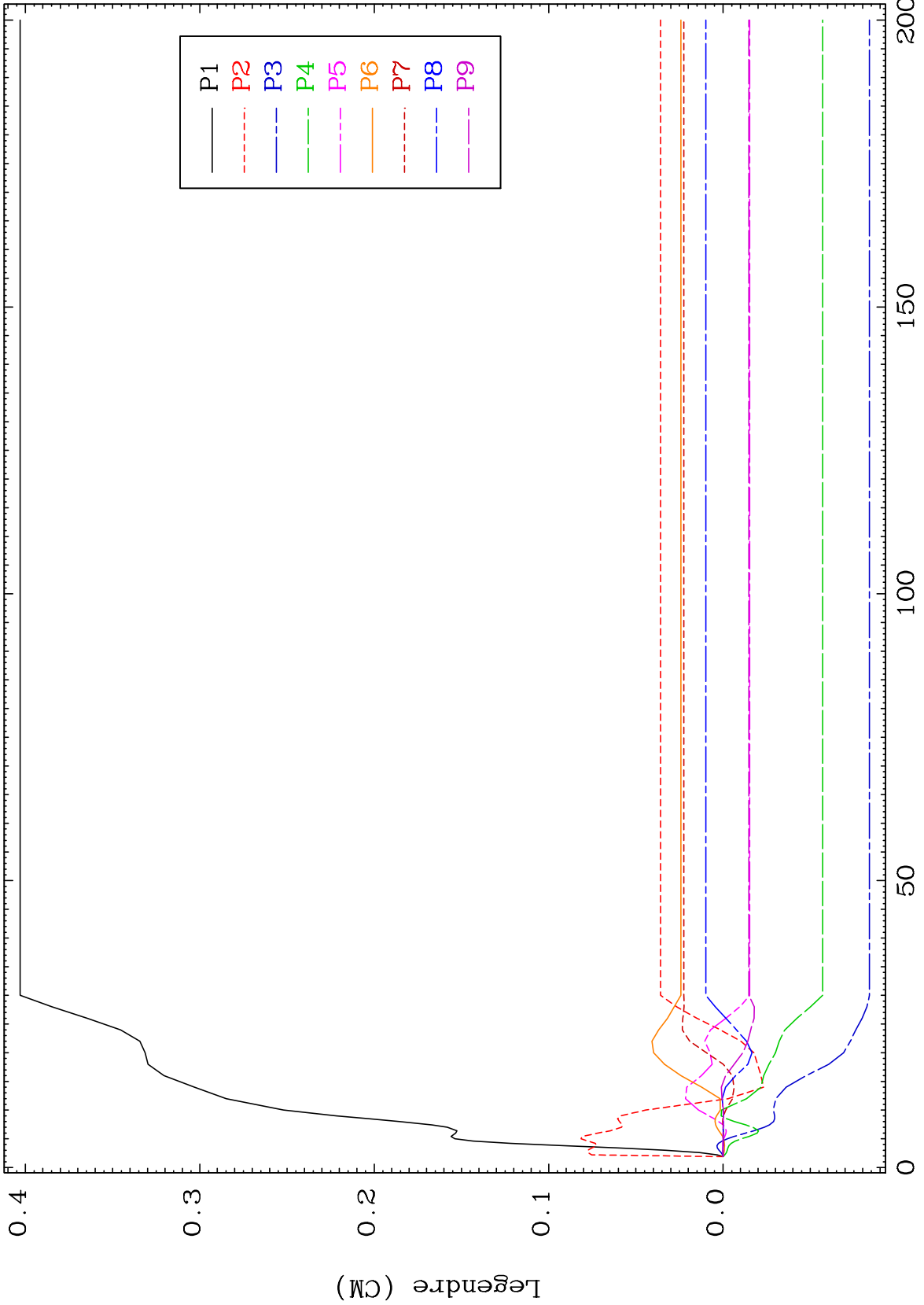
MAT 7013 MT= 75 (n,n') Level Legendre Coefficients 70-Yb-164



110 50 100 150 200 70-Yb-164

MAT 7013 MT= 76 (n,n') Level Legendre Coefficients

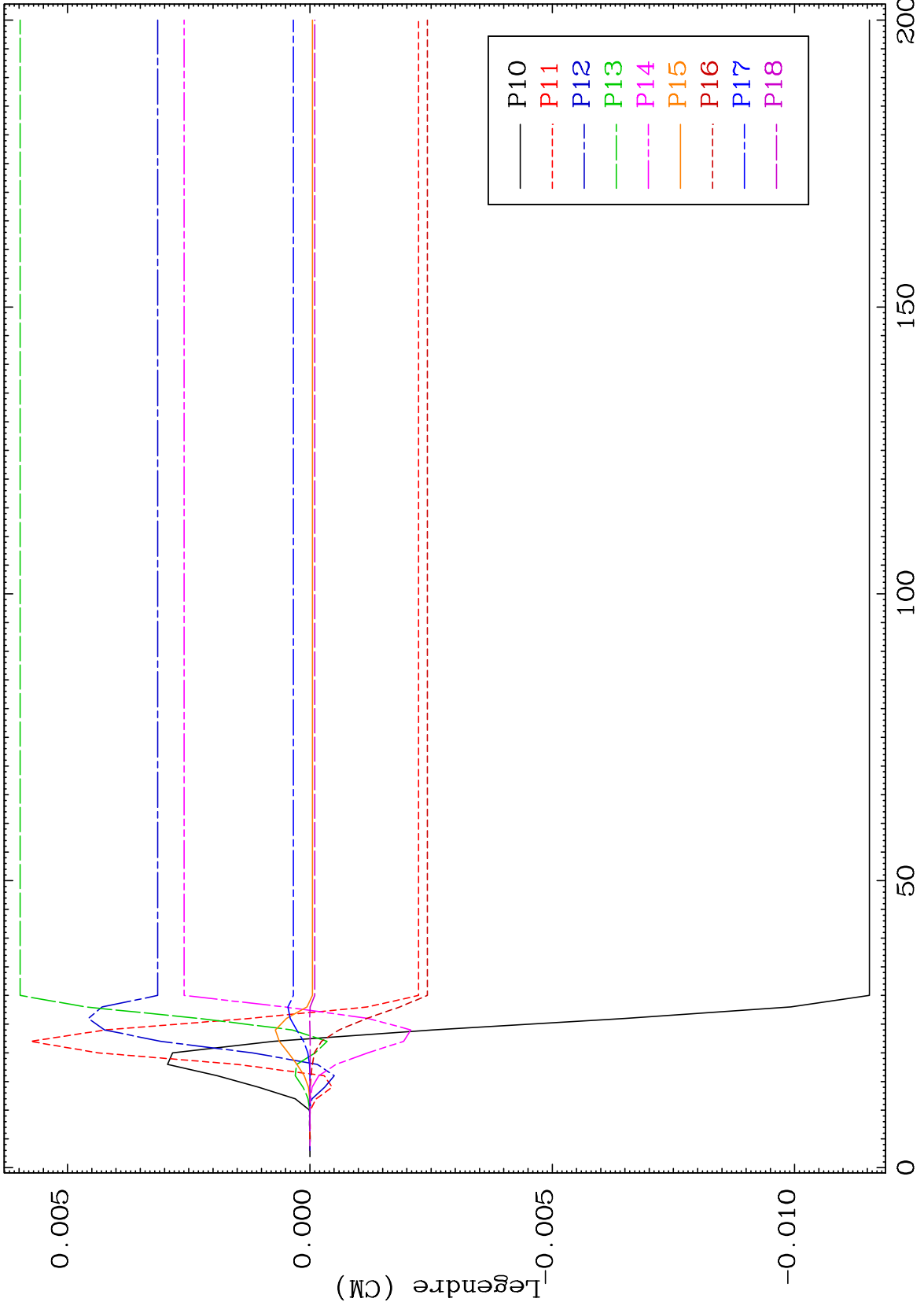
70-Yb-164



70-Yb-164

Incident Energy (MeV)

MAT 7013 MT= 76 (n,n') Level Legendre Coefficients 70-Yb-164

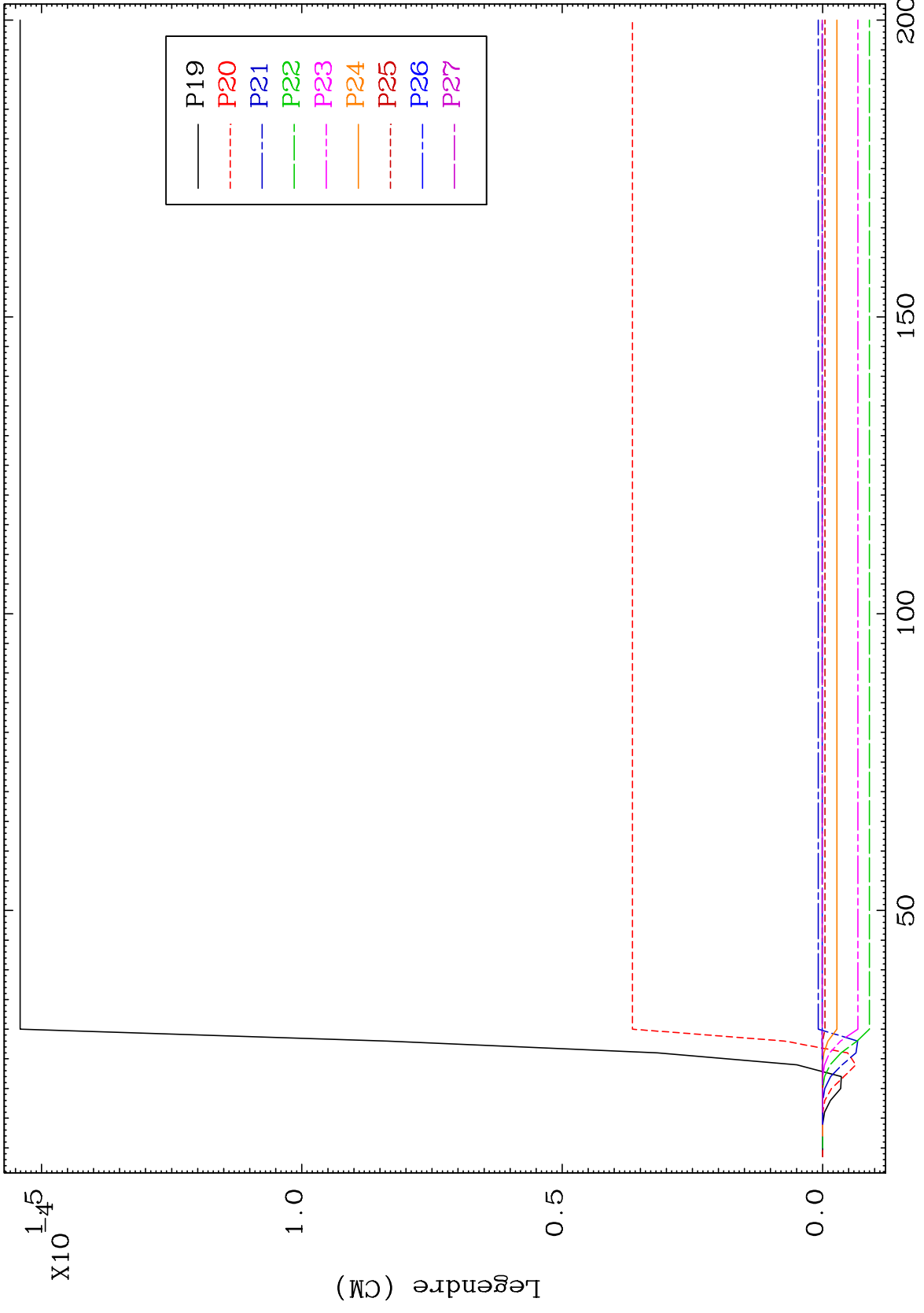


112 Incident Energy (MeV) 70-Yb-164

MAT 7013

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

70-Yb-164



113

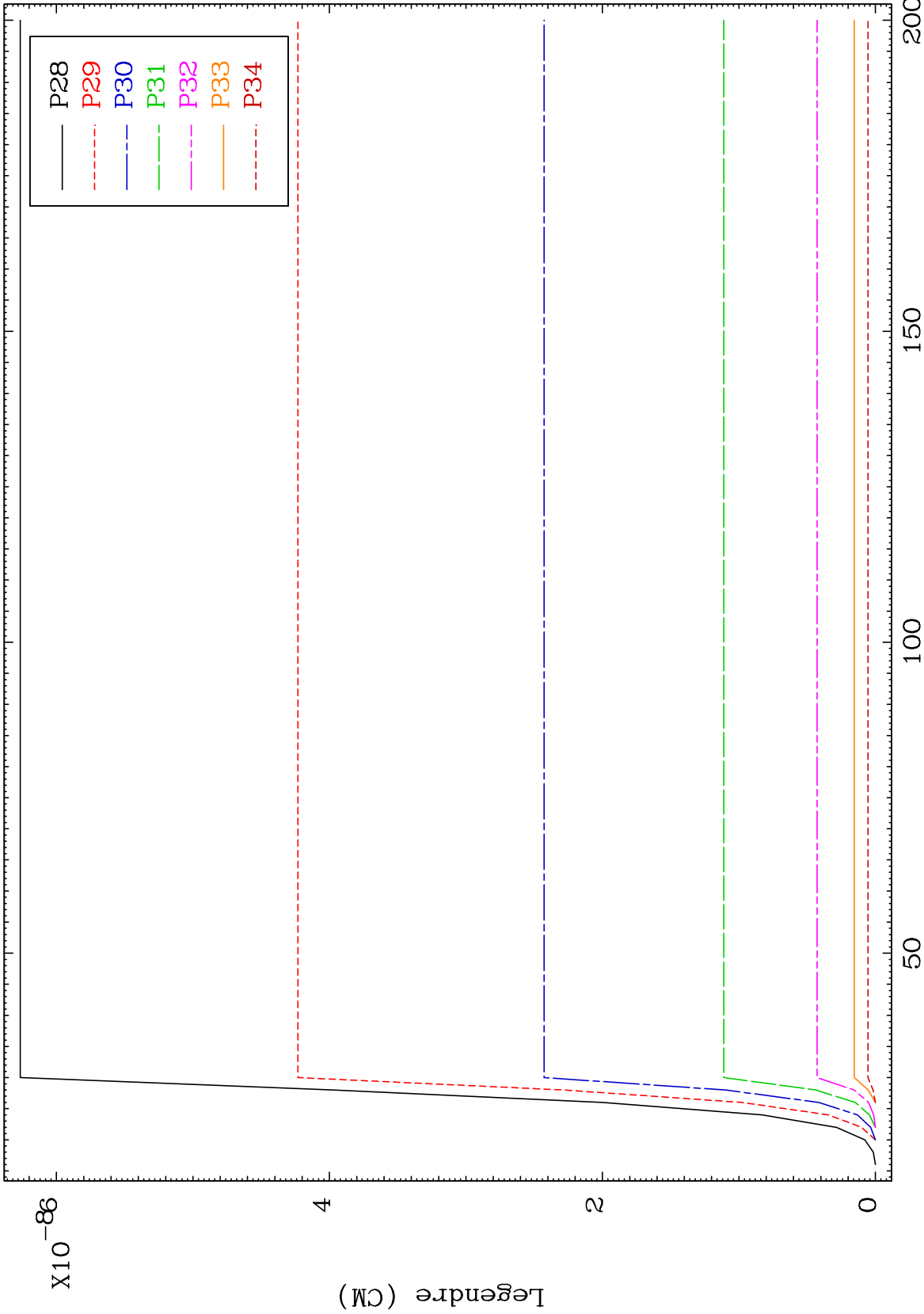
Incident Energy (MeV)

70-Yb-164

MAT 7013

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

70-Yb-164



114

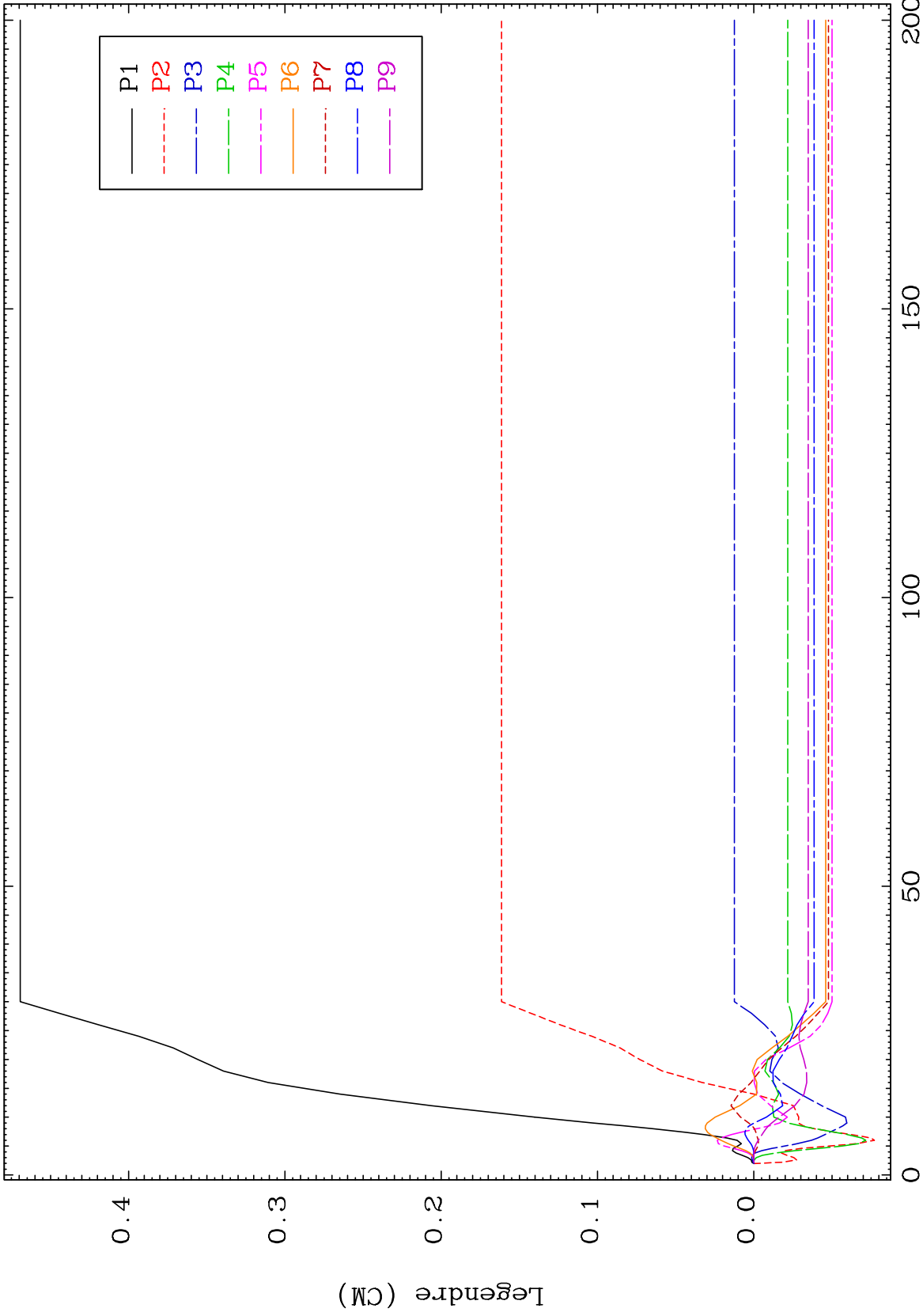
Incident Energy (MeV)

70-Yb-164

MAT 7013

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

70-Yb-164



115

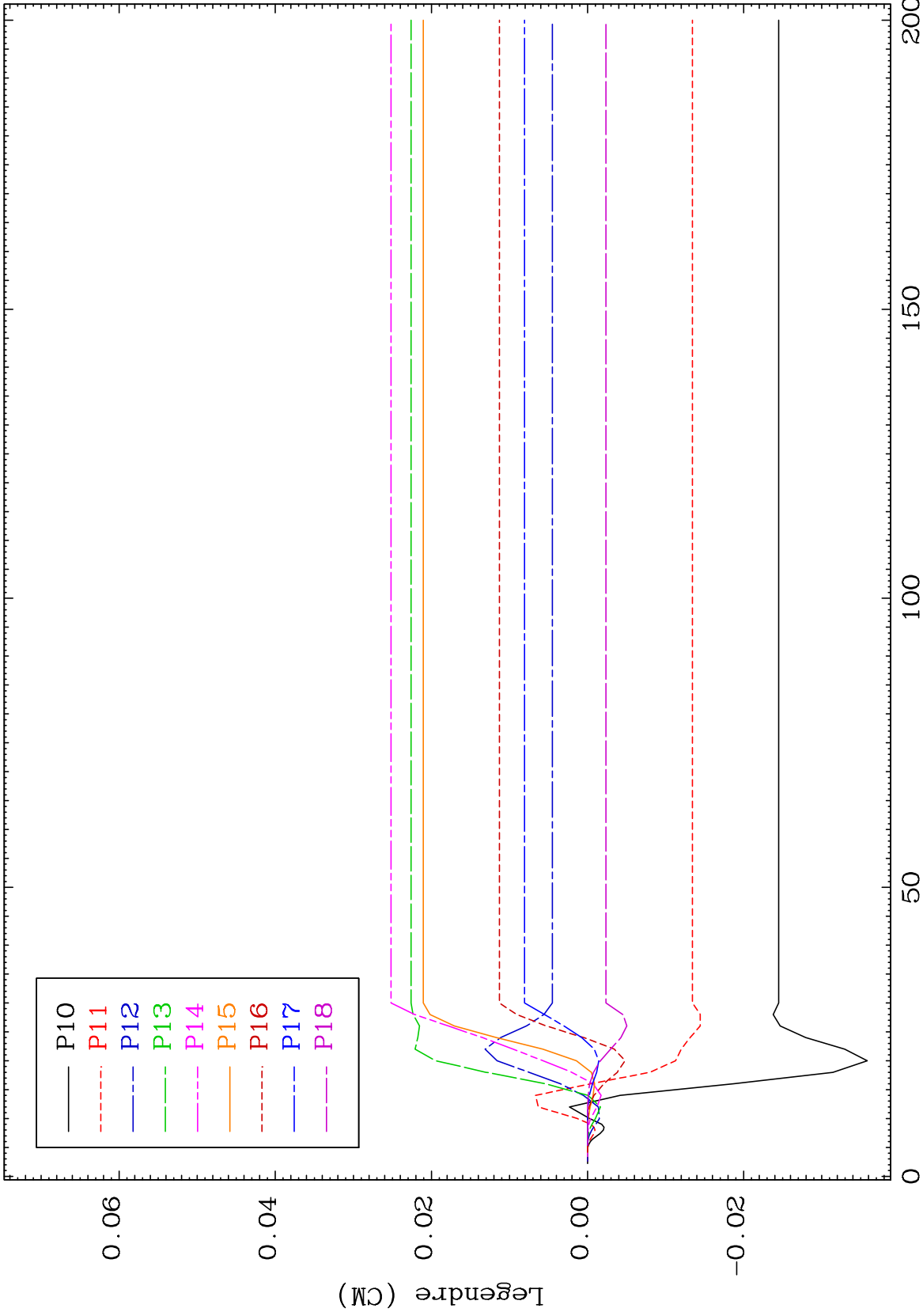
Incident Energy (MeV)

70-Yb-164

MAT 7013

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

70-Yb-164



116

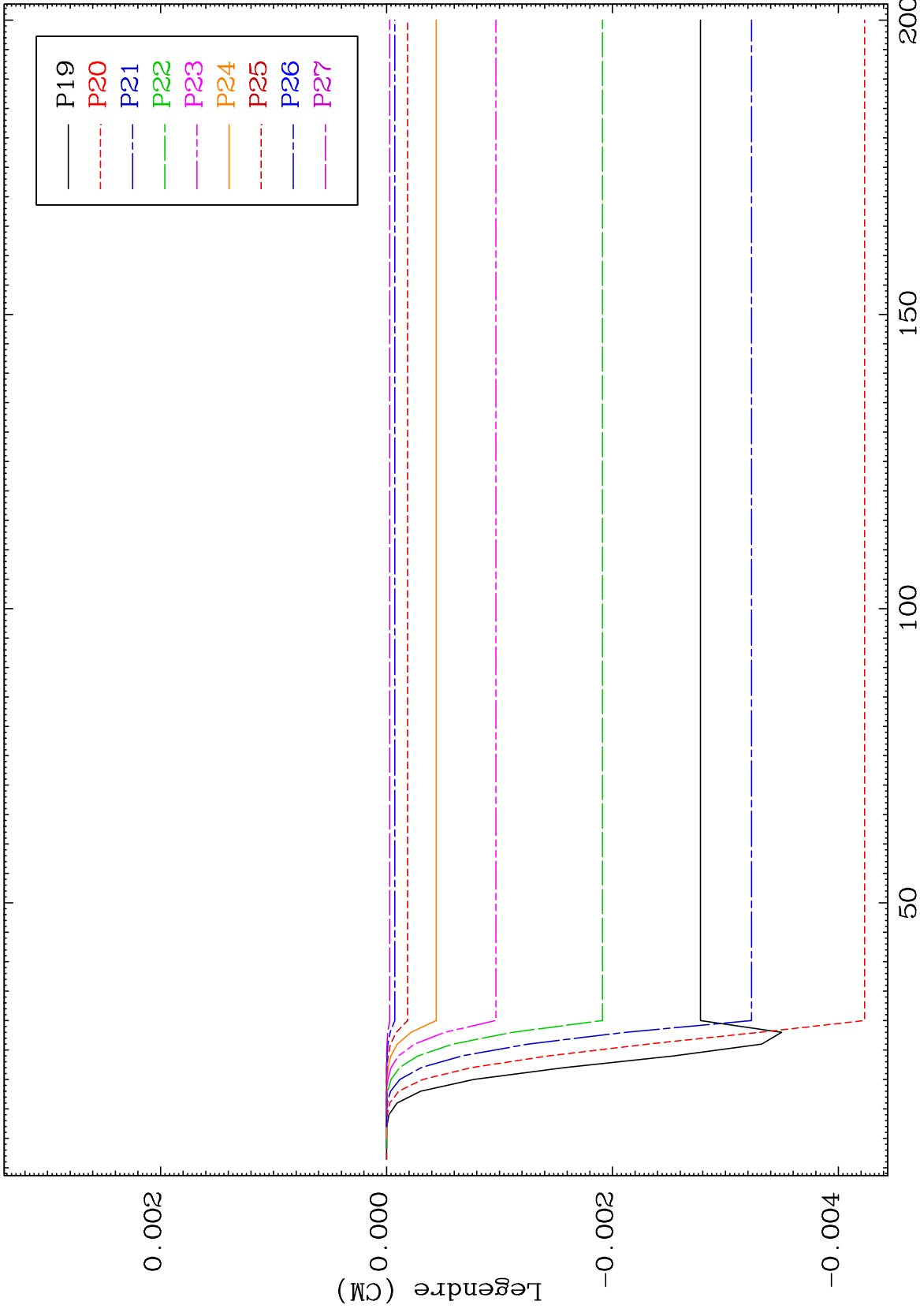
Incident Energy (MeV)

70-Yb-164

MAT 7013

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

70-Yb-164

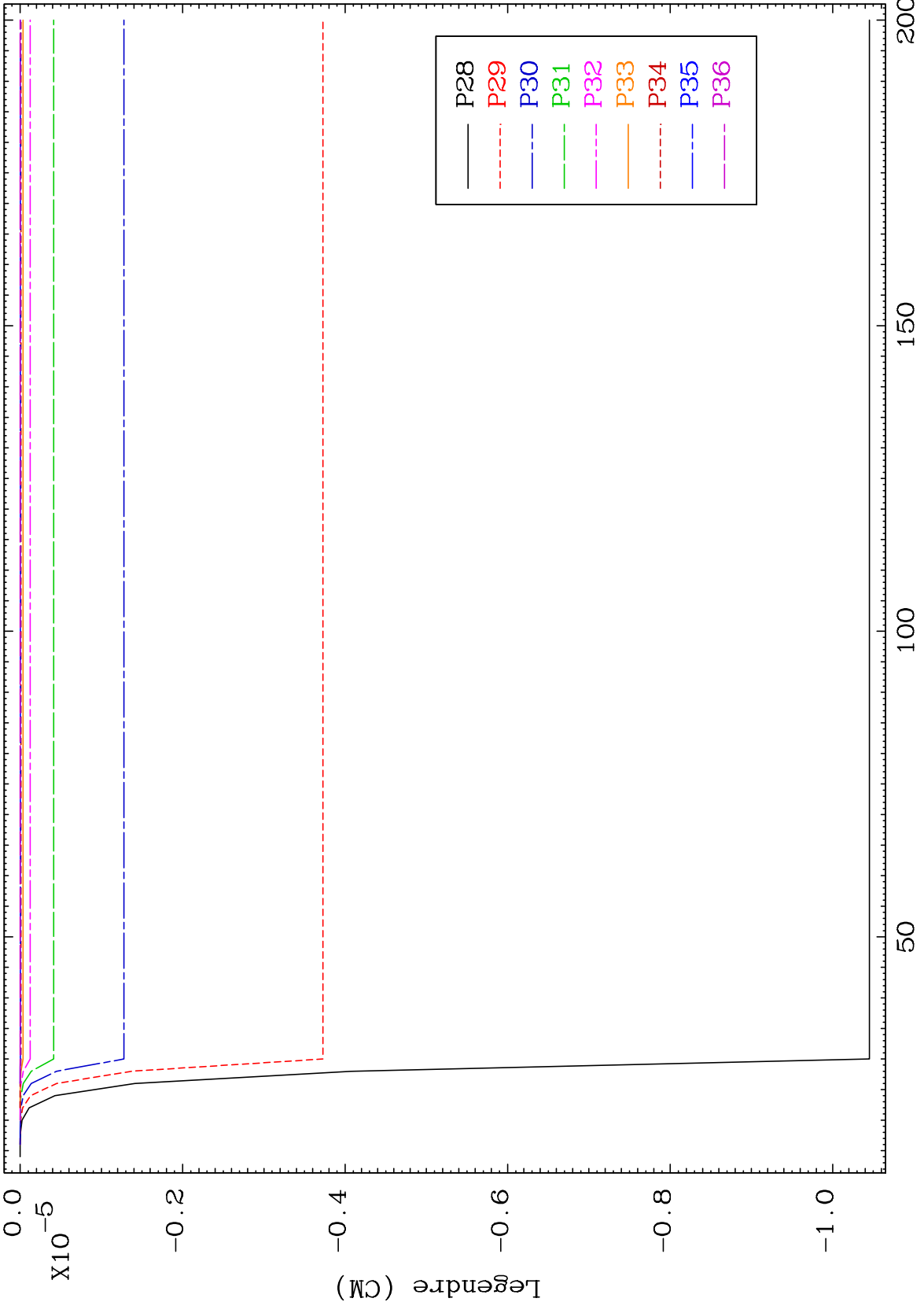


70-Yb-164

Incident Energy (MeV)

117

MAT 7013 MT= 77 (n,n') Level Legendre Coefficients 70-Yb-164

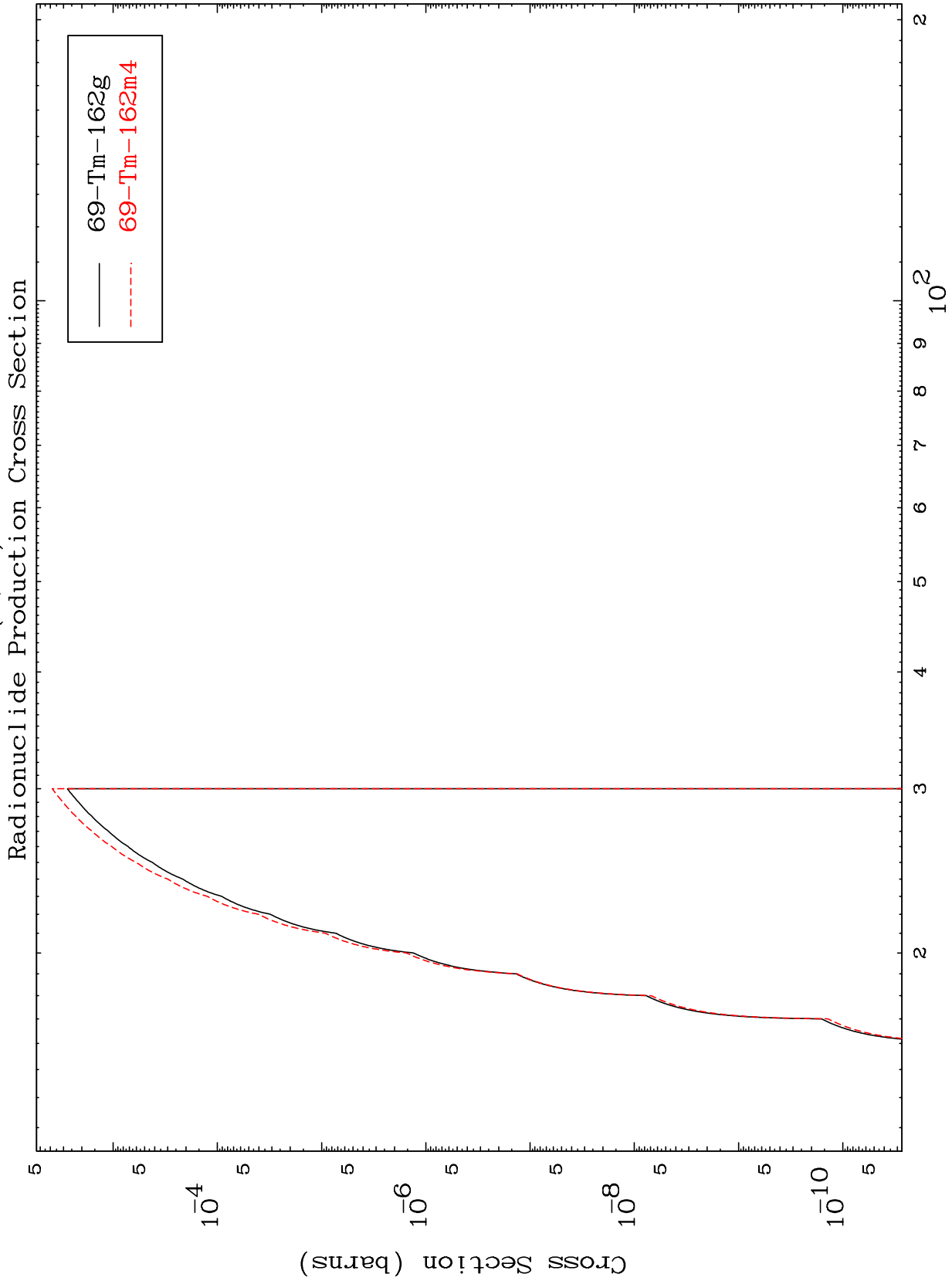


118 70-Yb-164

MAT 7013

(n, n') d

70-Yb-164



119

Incident Energy (MeV)

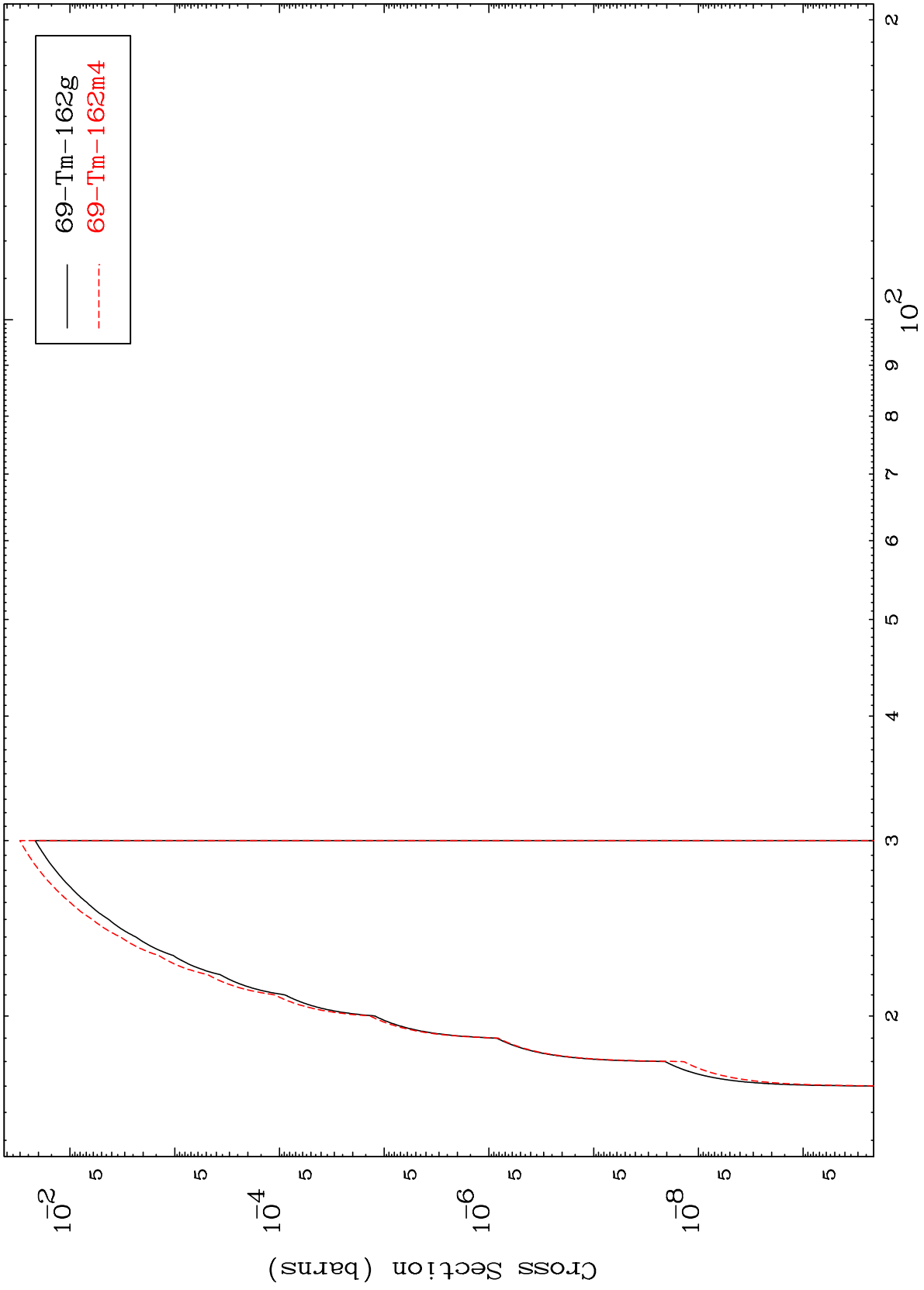
70-Yb-164

MAT 7013

(n,2n) p

70-Yb-164

Radionuclide Production Cross Section



120

Incident Energy (MeV)

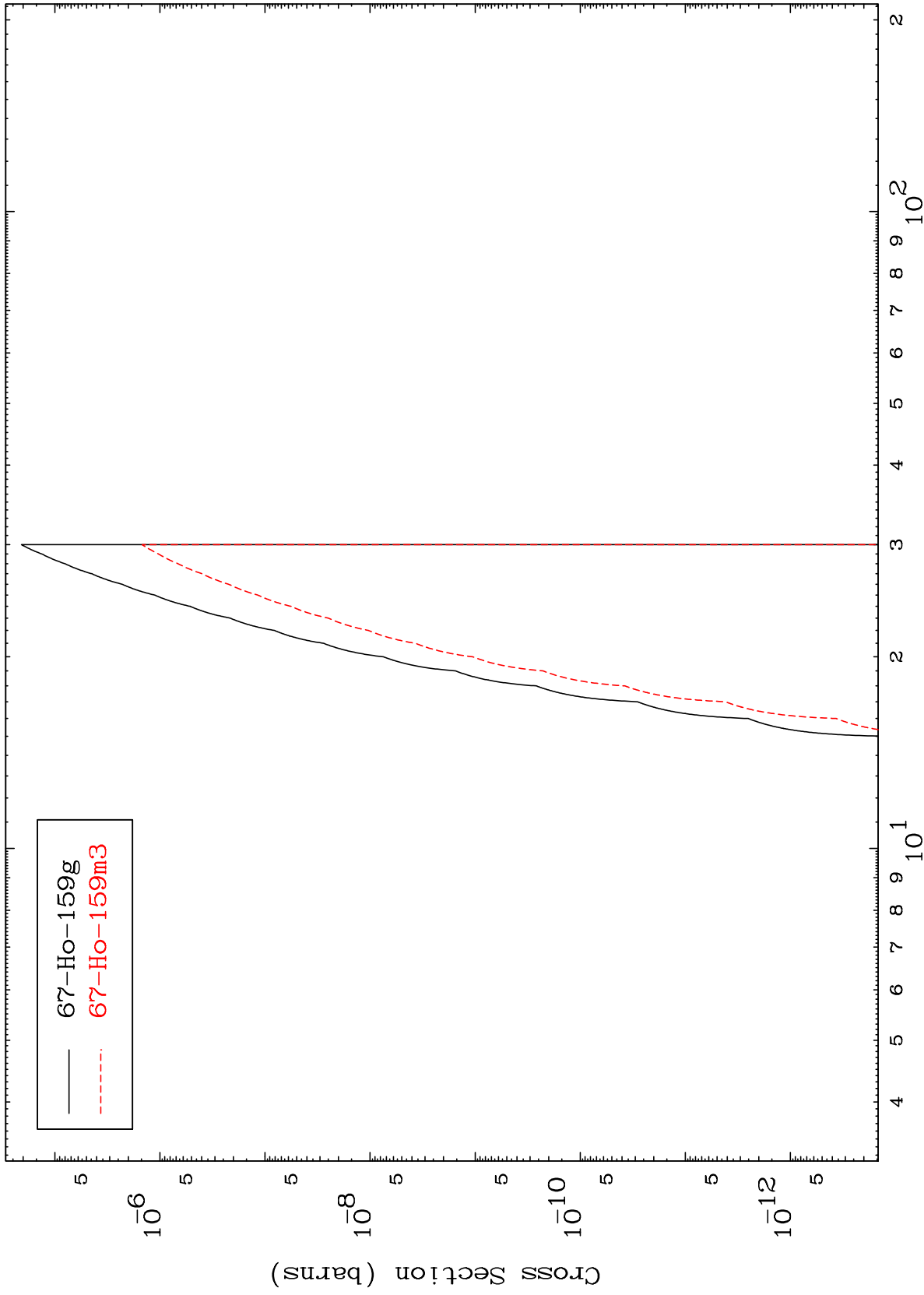
70-Yb-164

MAT 7013

(n,n') p α

70-Yb-164

Radionuclide Production Cross Section



121

Incident Energy (MeV)

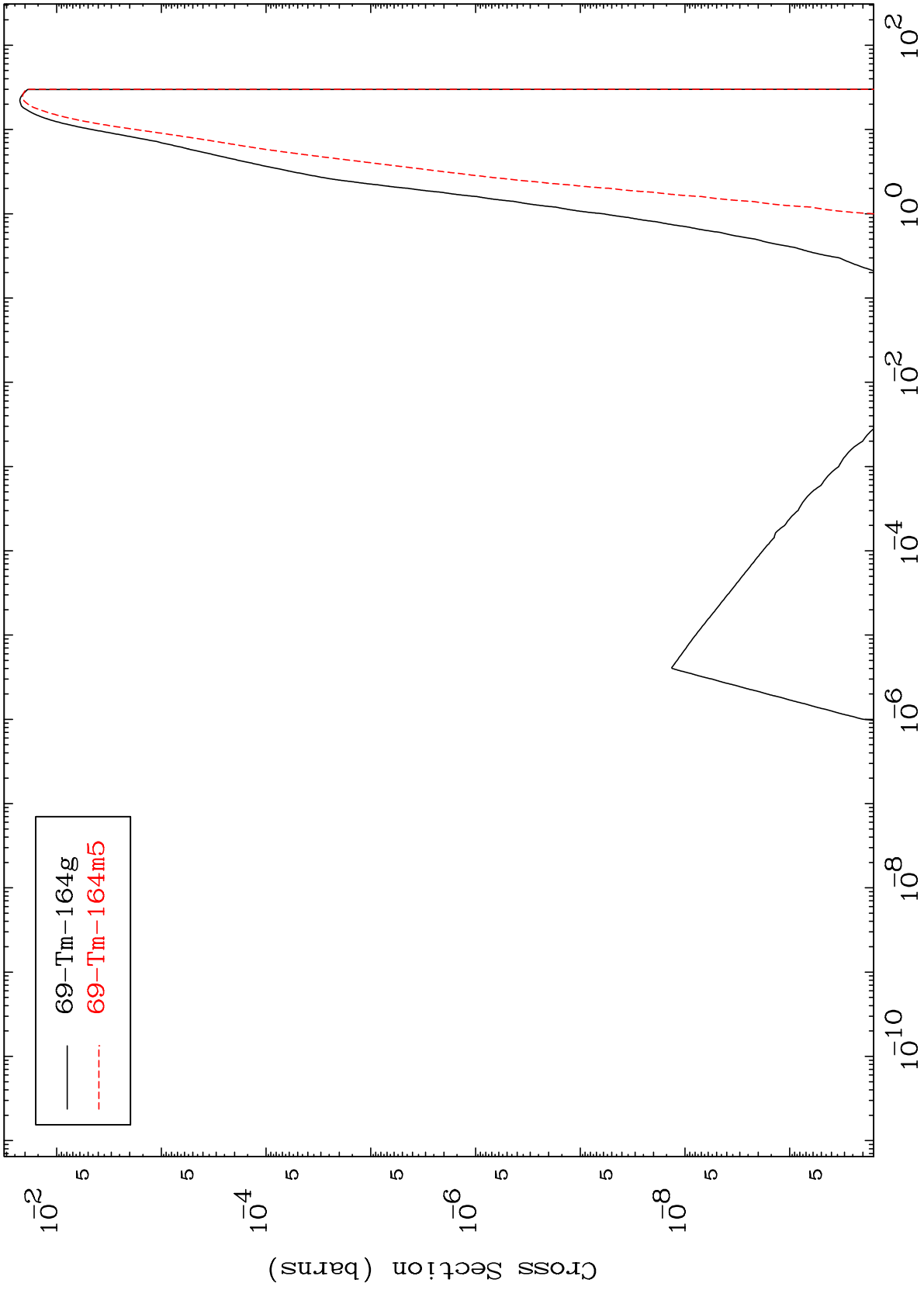
70-Yb-164

MAT 7013

(n,p)

70-Yb-164

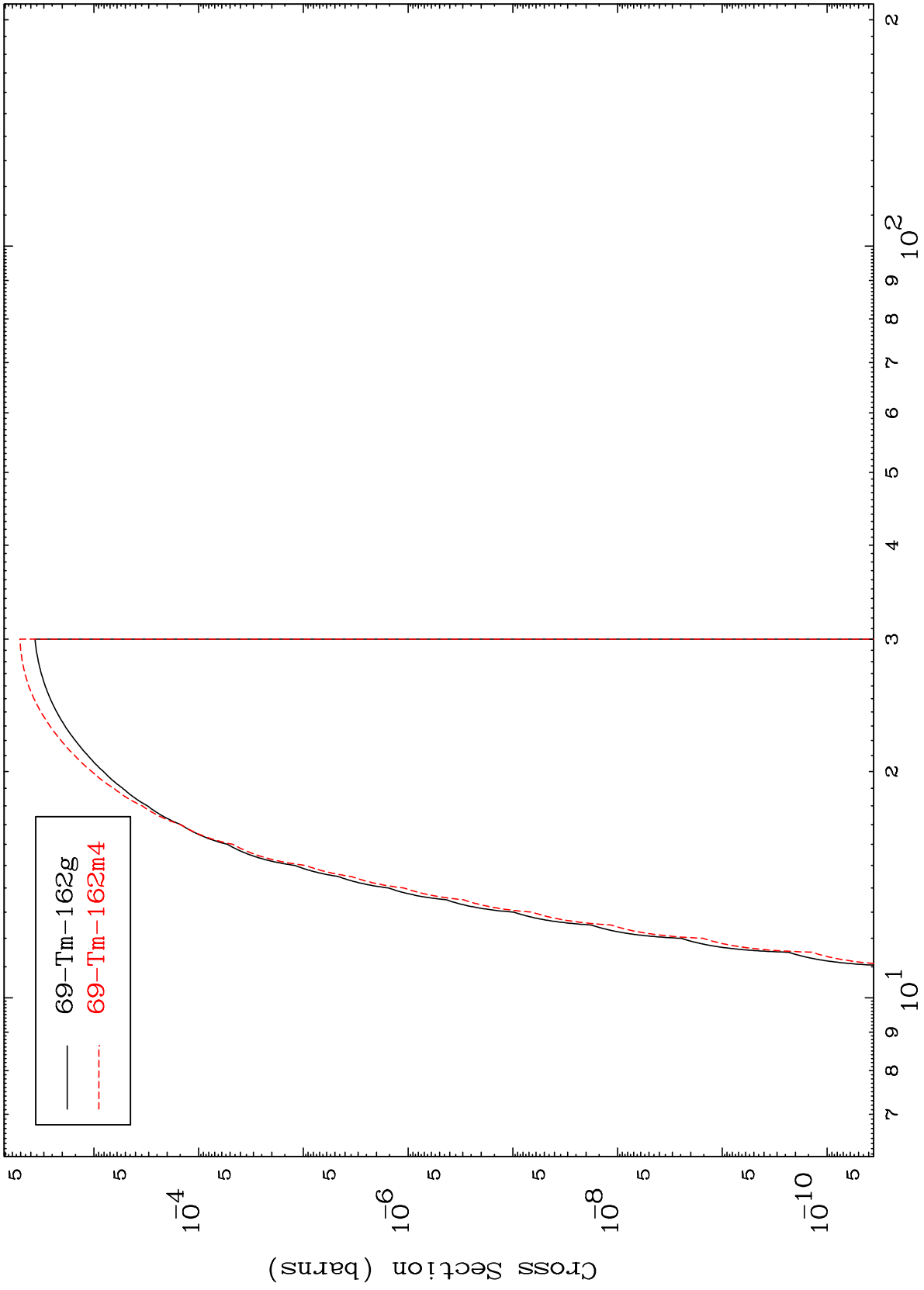
Radionuclide Production Cross Section



MAT 7013

70-Yb-164

(n, t)
Radionuclide Production Cross Section



123

Incident Energy (MeV)

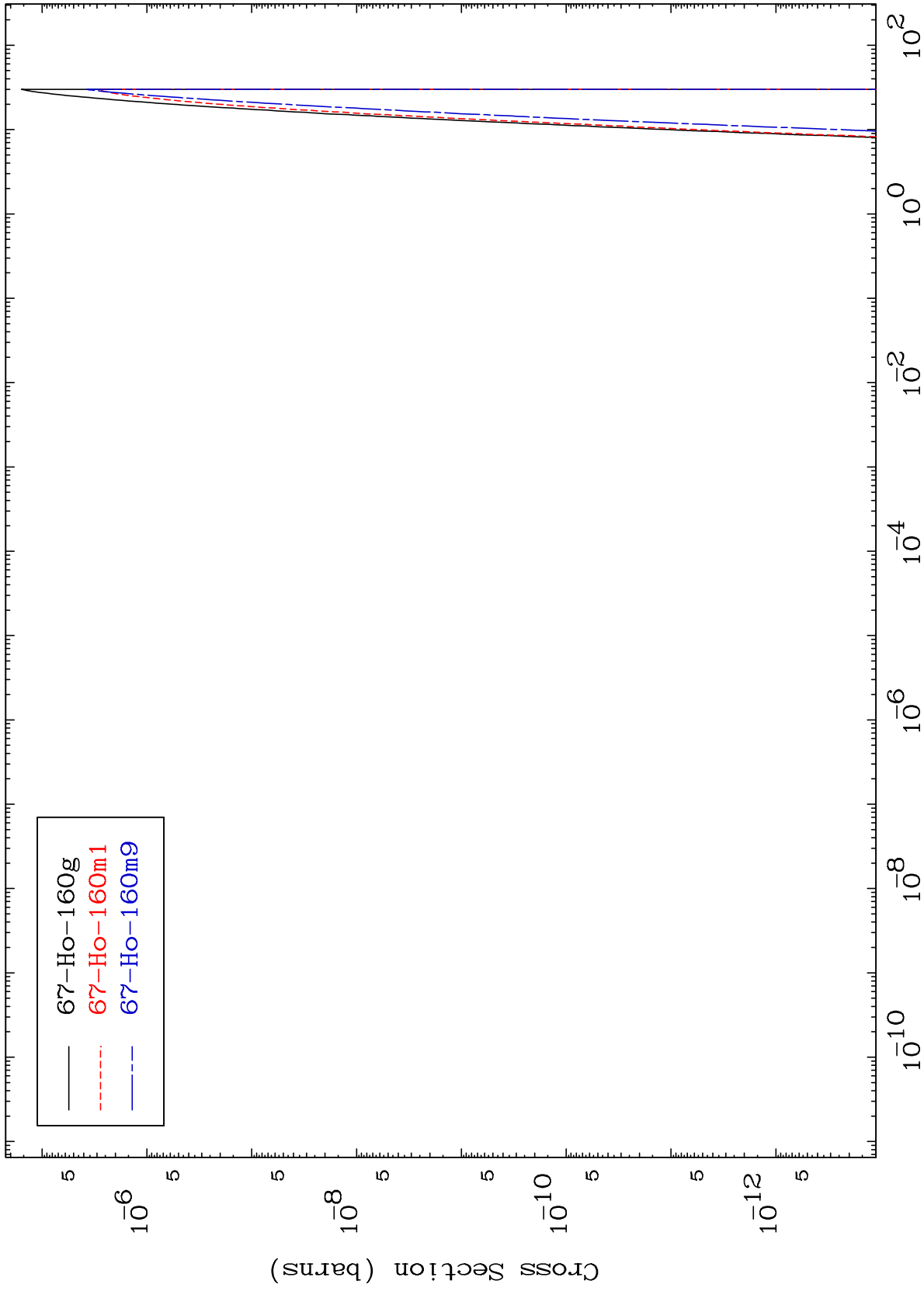
70-Yb-164

MAT 7013

(n,p) α

70-Yb-164

Radionuclide Production Cross Section



124

Incident Energy (MeV)

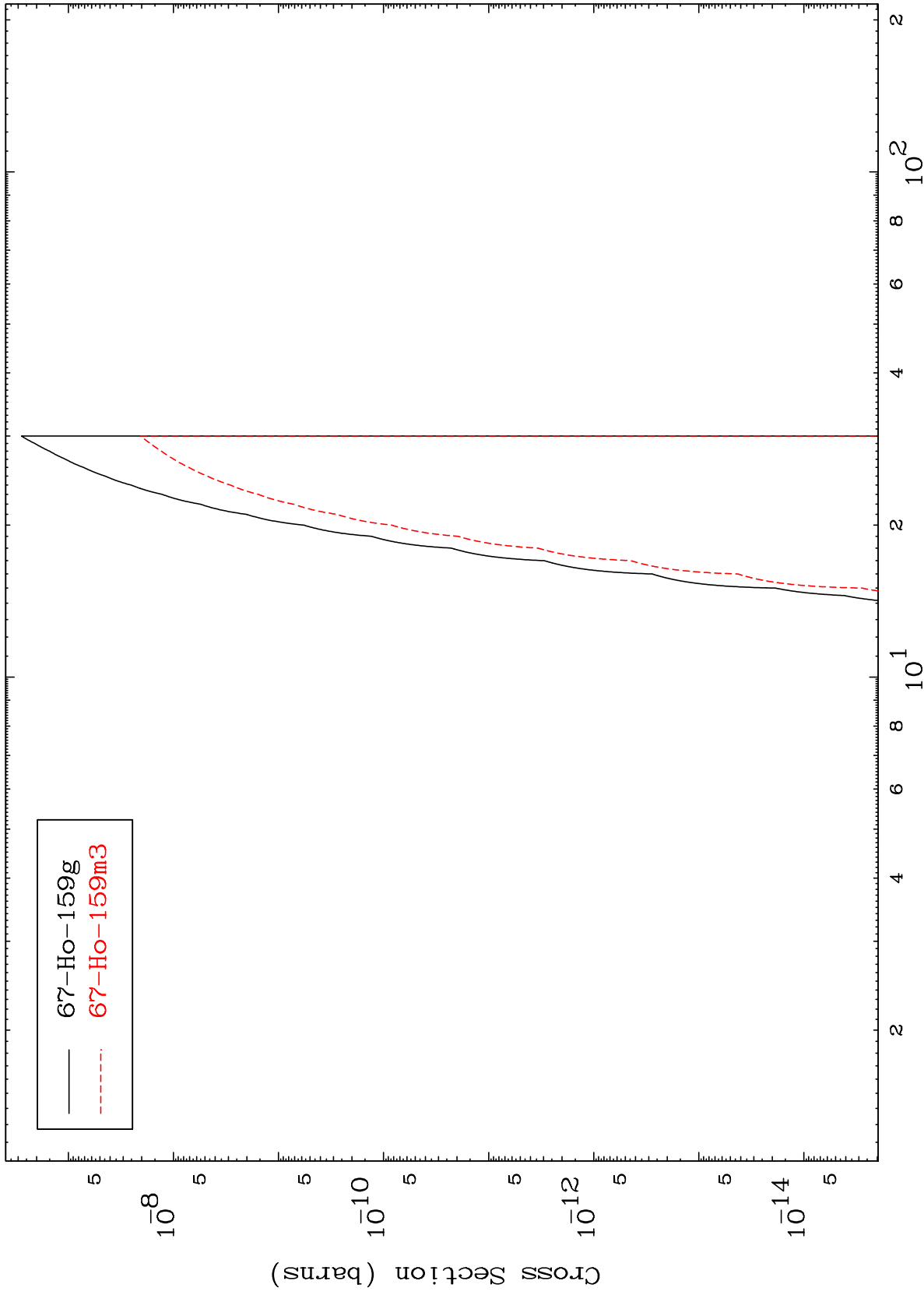
70-Yb-164

MAT 7013

(n,d) α

70-Yb-164

Radionuclide Production Cross Section



125

Incident Energy (MeV)

70-Yb-164