

Program EVALPLOT
(Version 2018-1)

by

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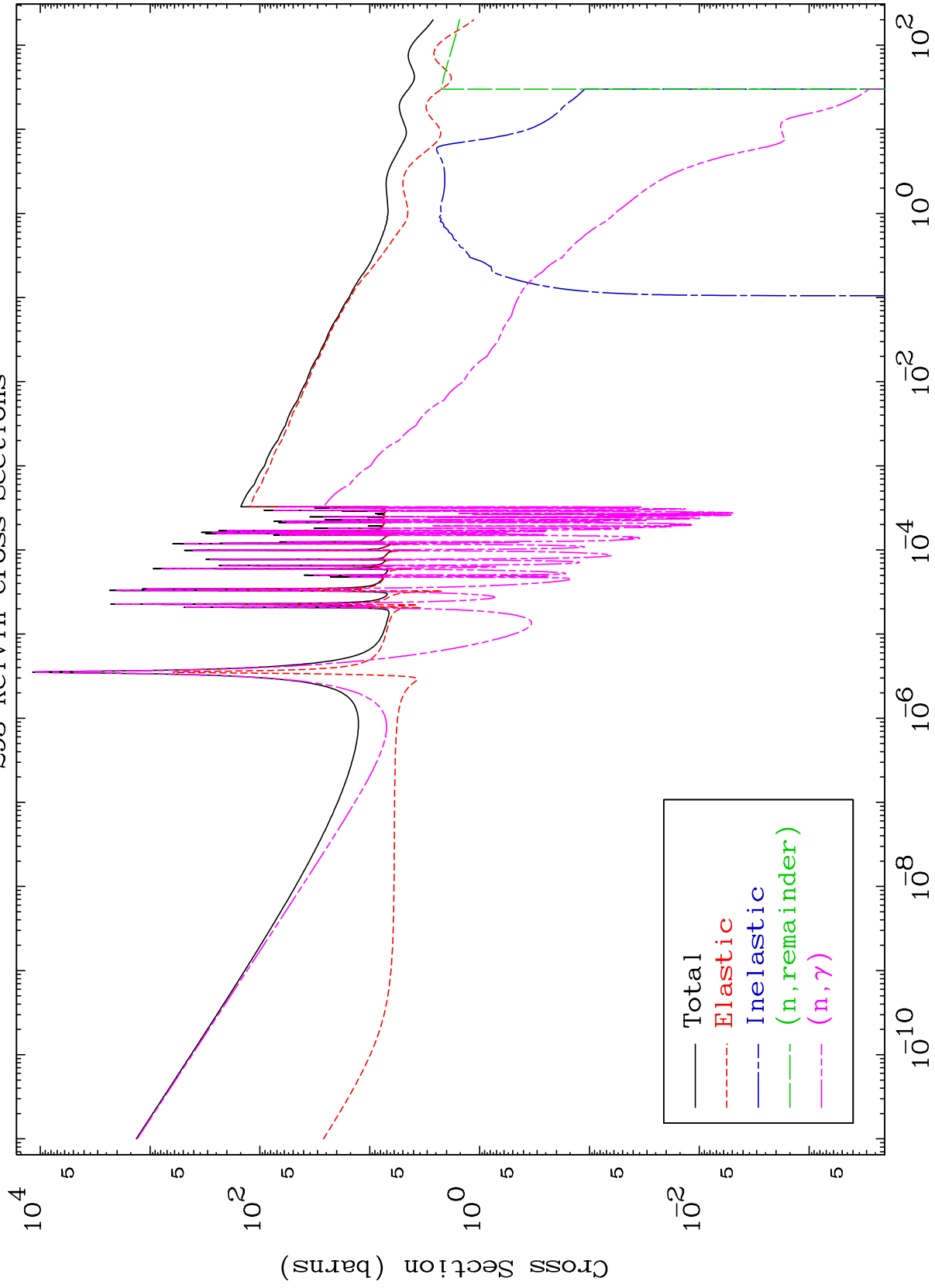
Press Mouse Button to Start

MAT 7046

Major

293 Kelvin Cross Sections

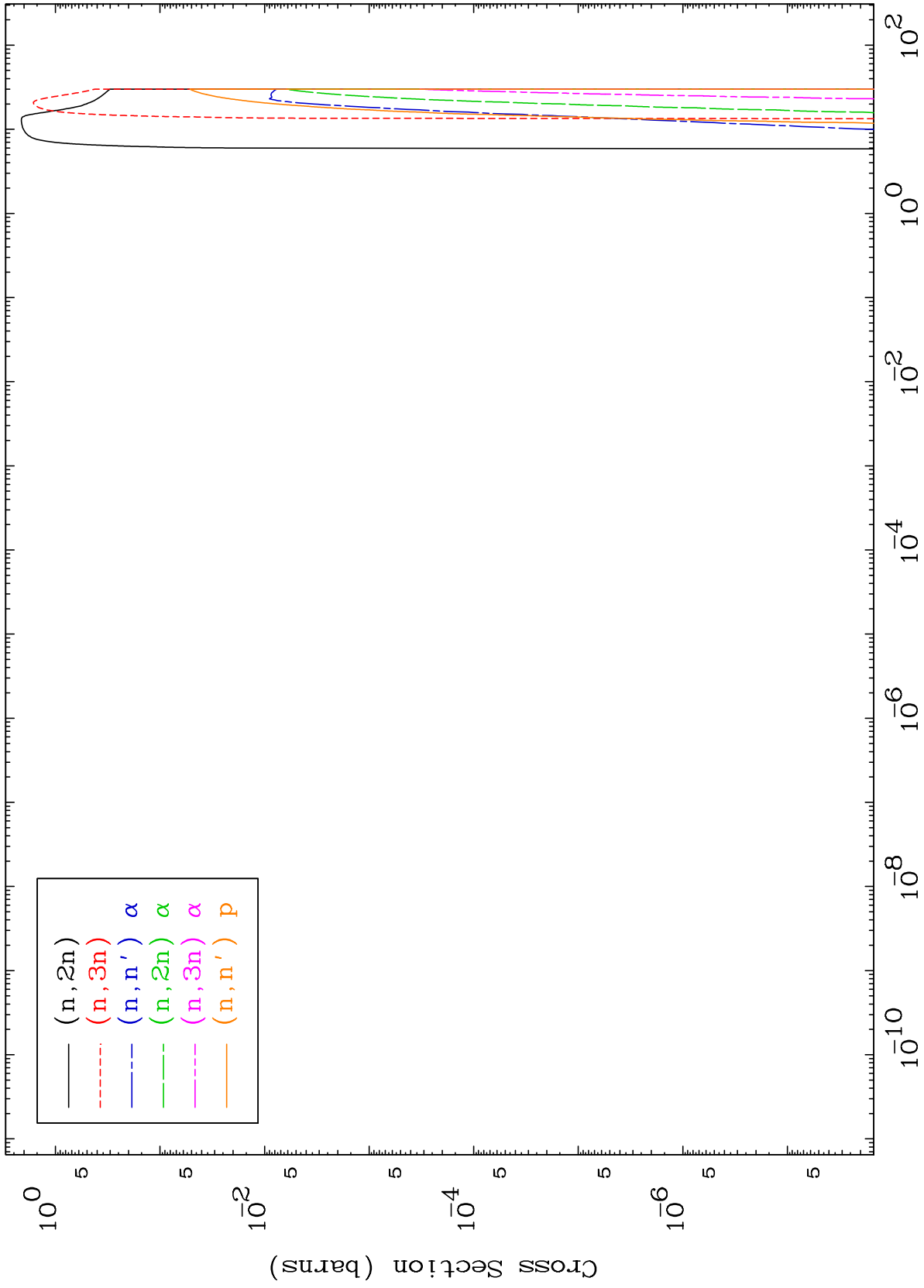
70-Yb-175



MAT 7046

Neutron Production
293 Kelvin Cross Sections

70-Yb-175



2

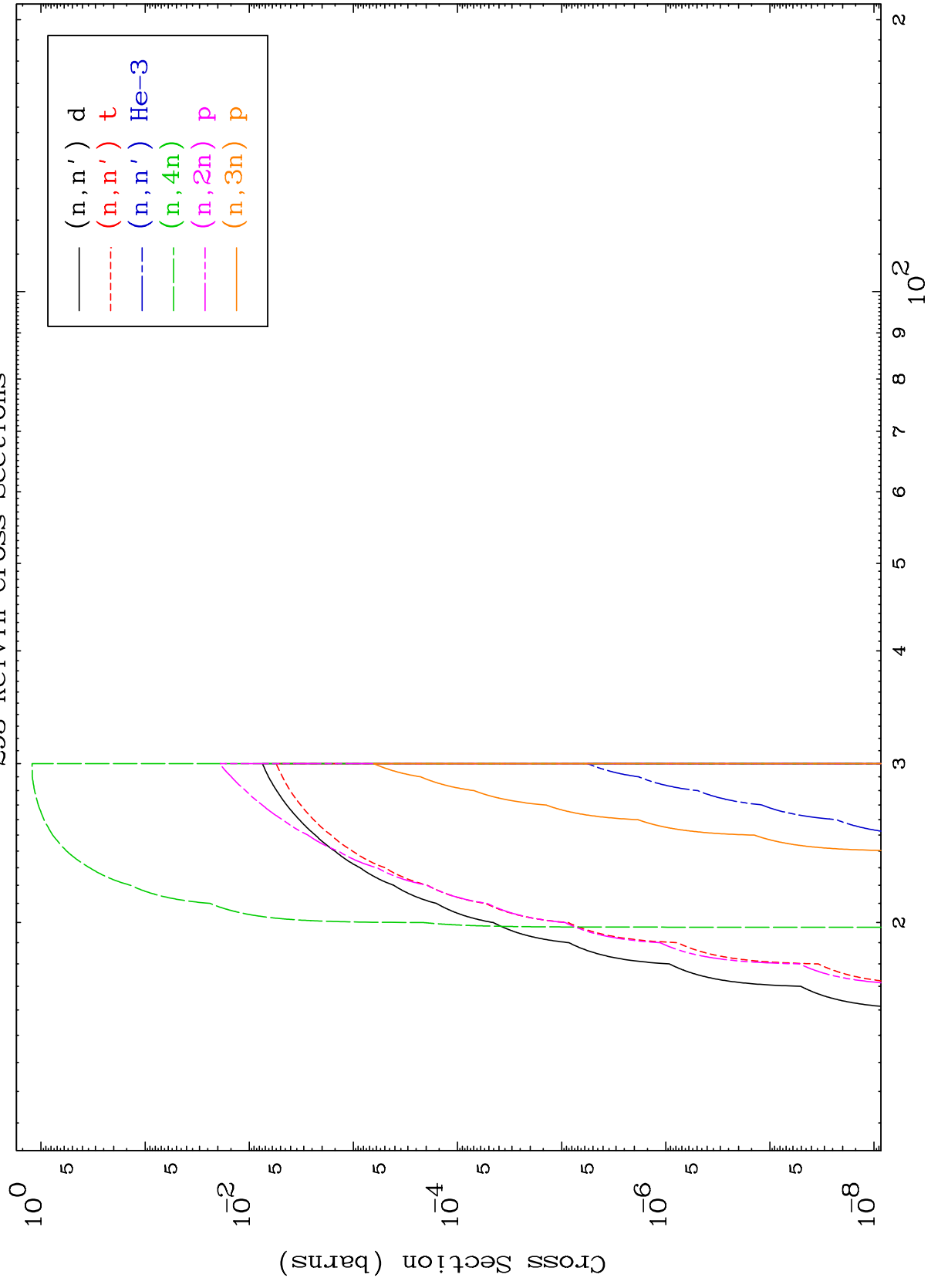
Incident Energy (MeV)

70-Yb-175

MAT 7046

Neutron Production
293 Kelvin Cross Sections

70-Yb-175



3

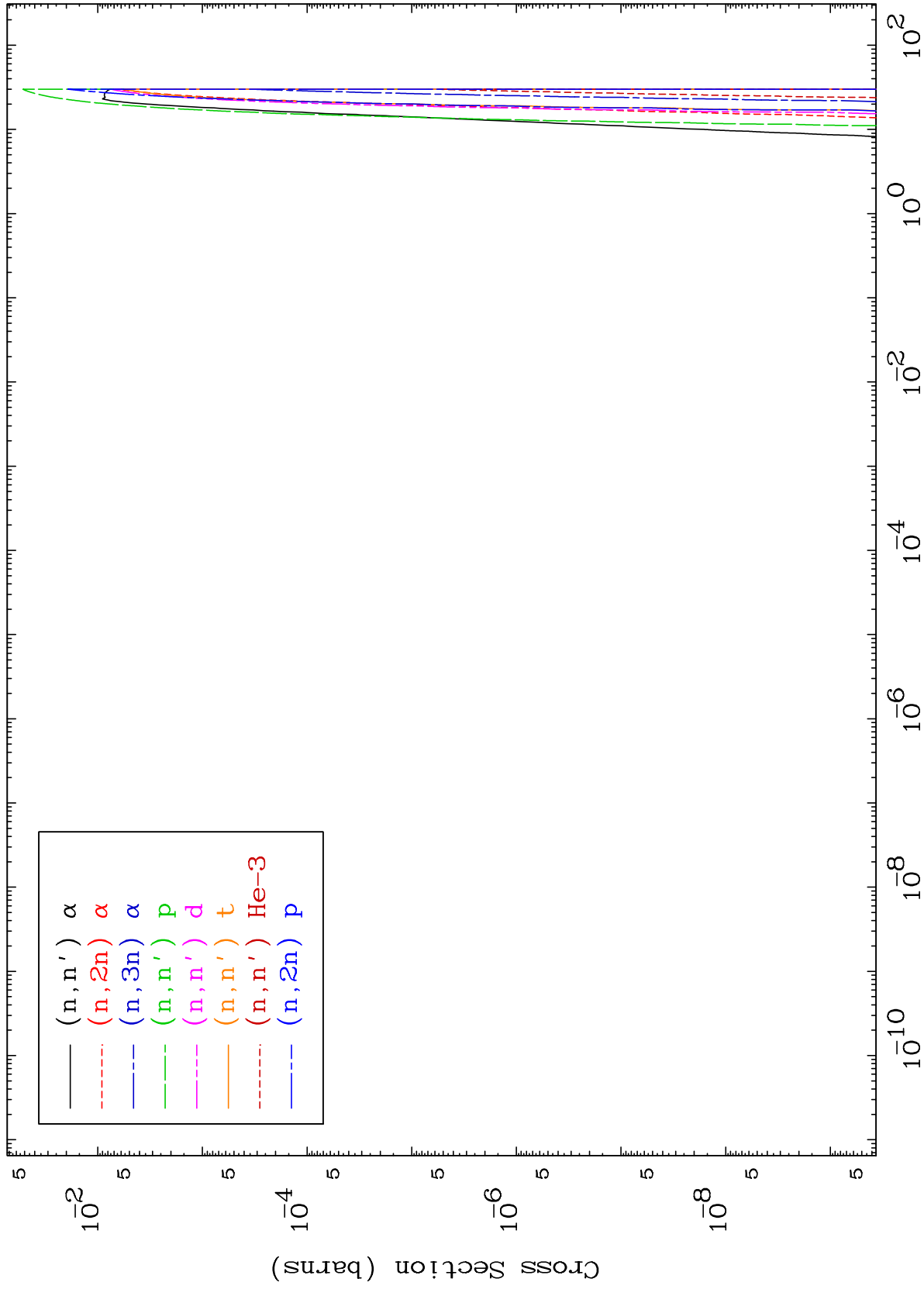
Incident Energy (MeV)

70-Yb-175

MAT 7046

293 Kelvin Cross Sections

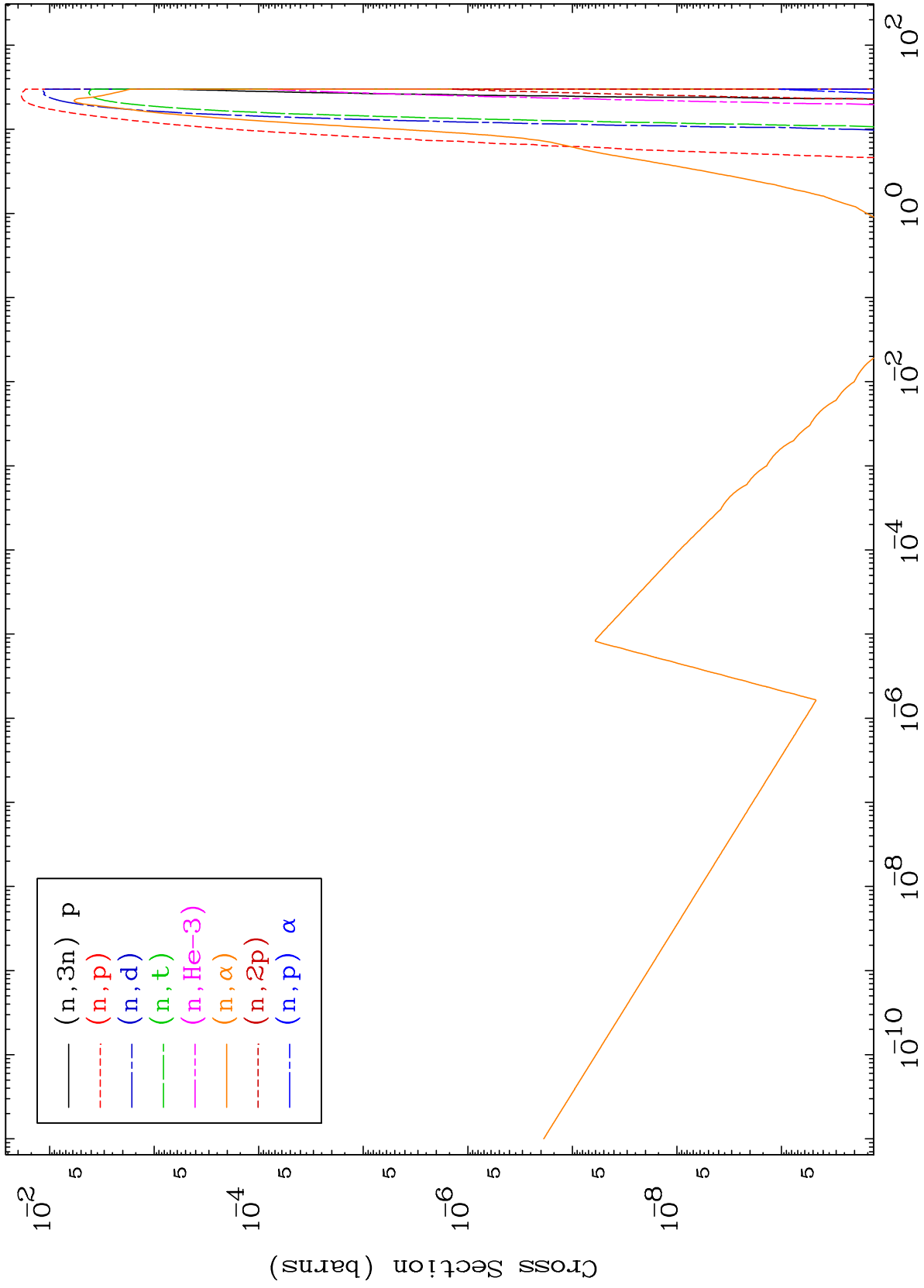
70-Yb-175



MAT 7046

293 Kelvin Cross Sections

70-Yb-175



5

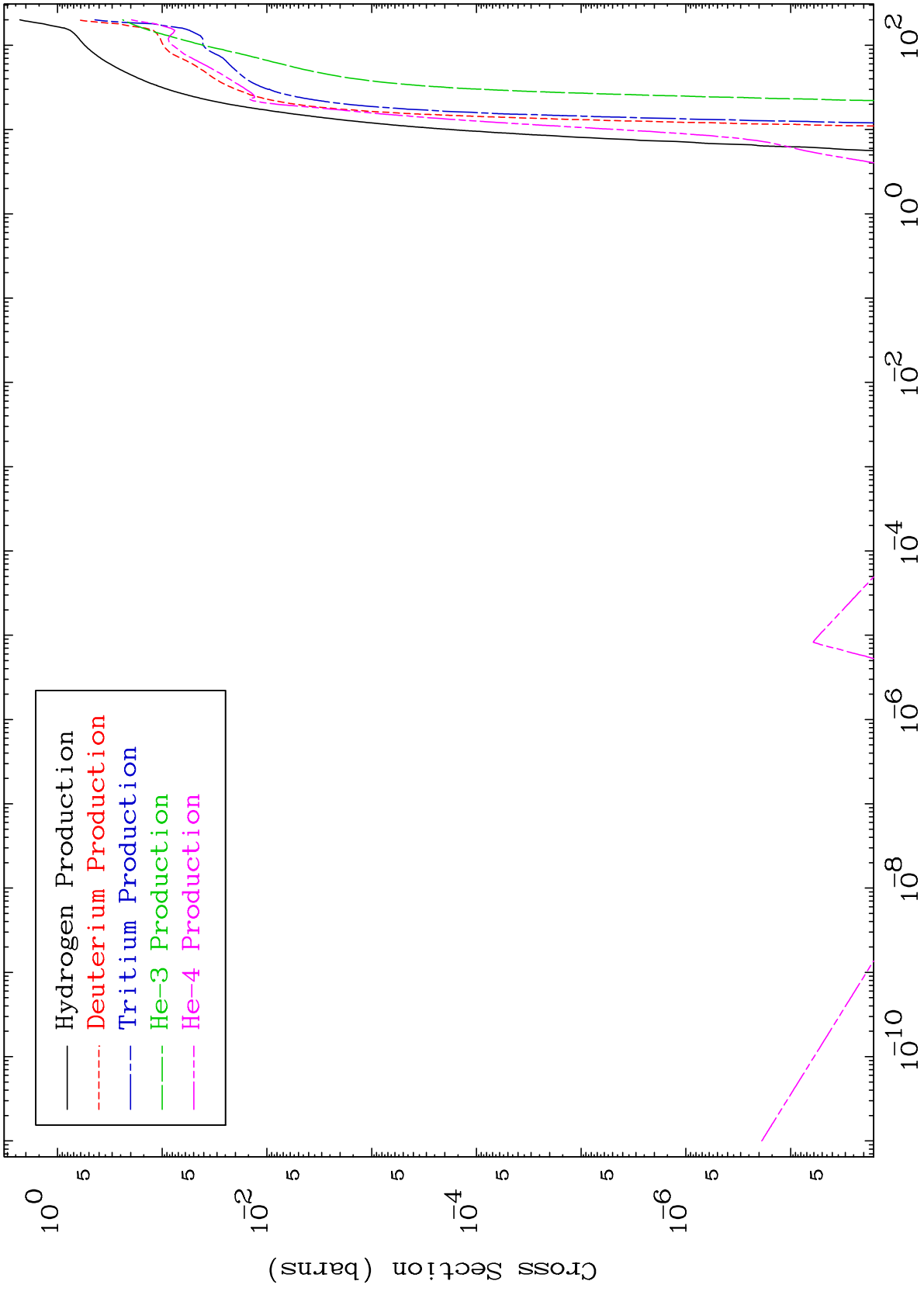
Incident Energy (MeV)

70-Yb-175

MAT 7046

Particle Production
293 Kelvin Cross Sections

70-Yb-175



6

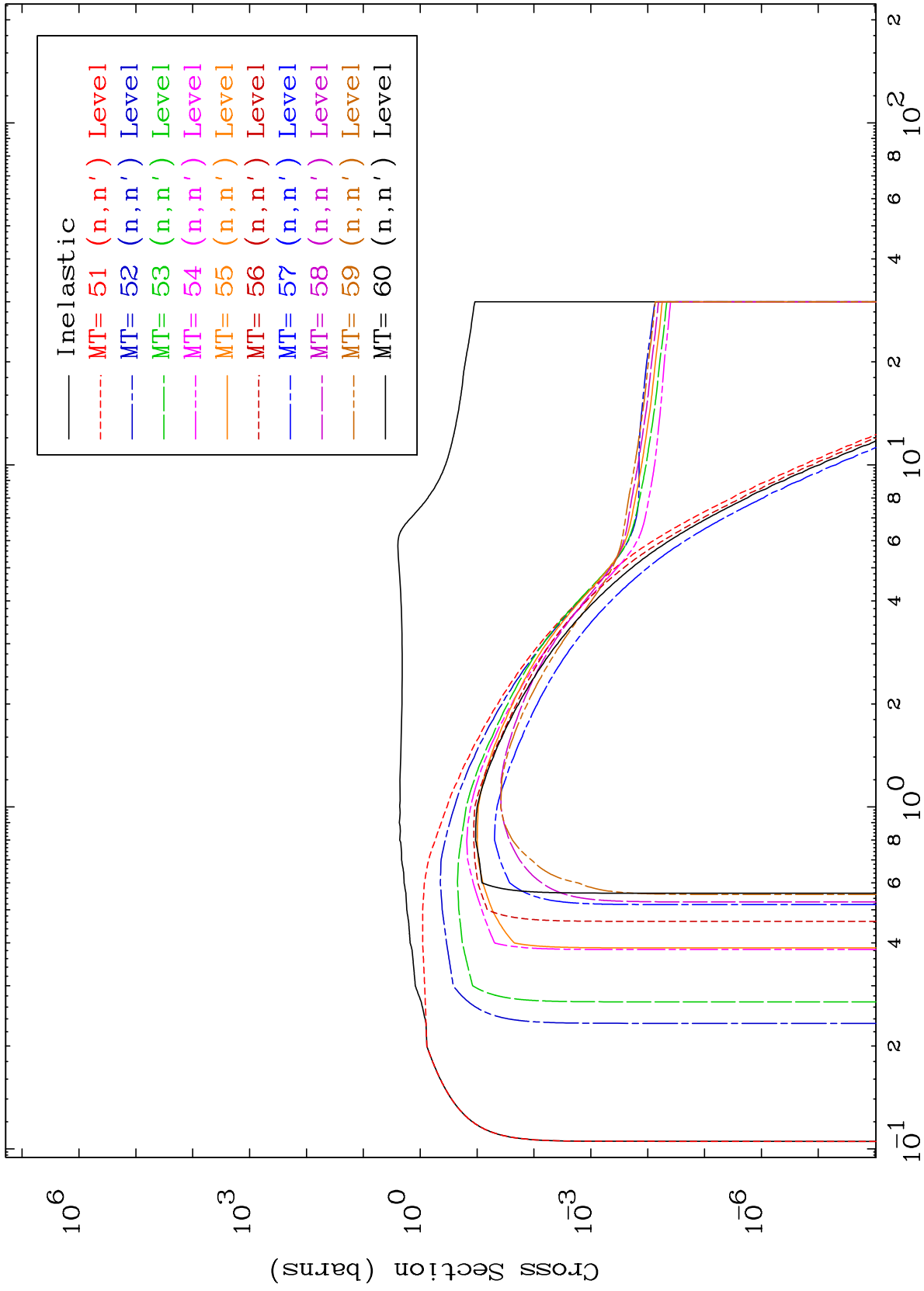
70-Yb-175

MAT 7046

(n,n') Level

293 Kelvin Cross Sections

70-Yb-175



Incident Energy (MeV)

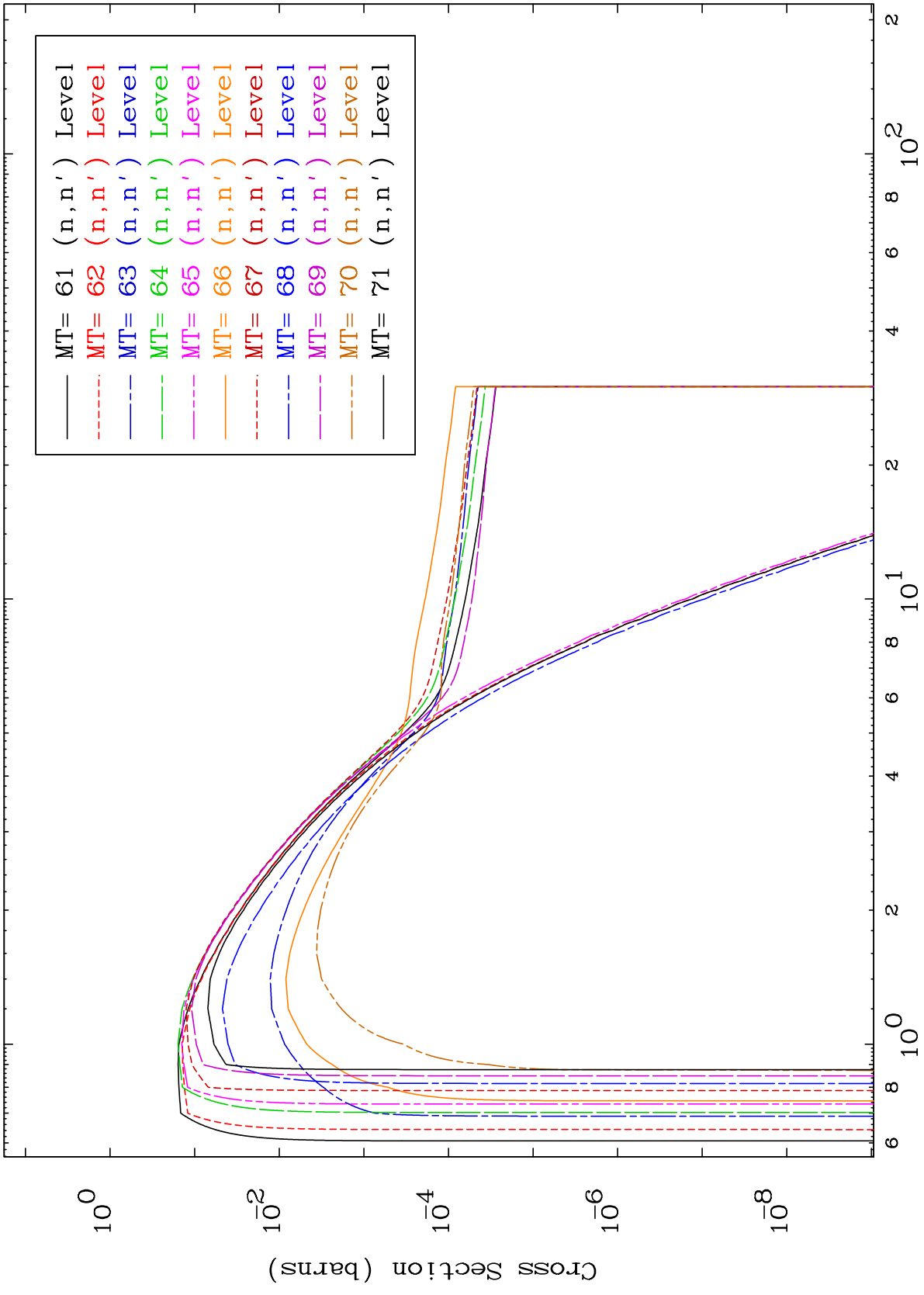
70-Yb-175

MAT 7046

(n,n') Level

70-Yb-175

293 Kelvin Cross Sections



8

Incident Energy (MeV)

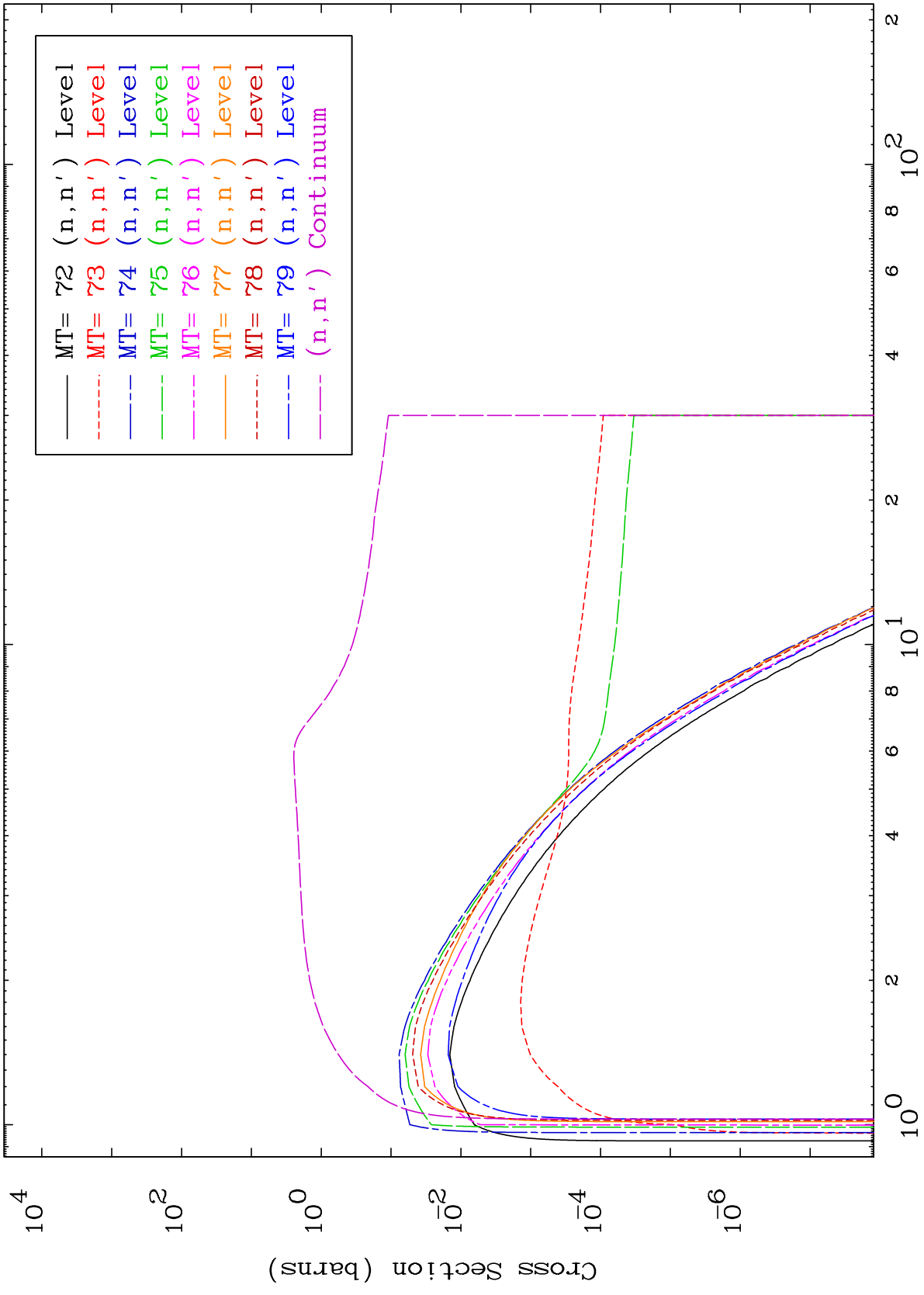
70-Yb-175

MAT 7046

(n,n') Level

70-Yb-175

293 Kelvin Cross Sections



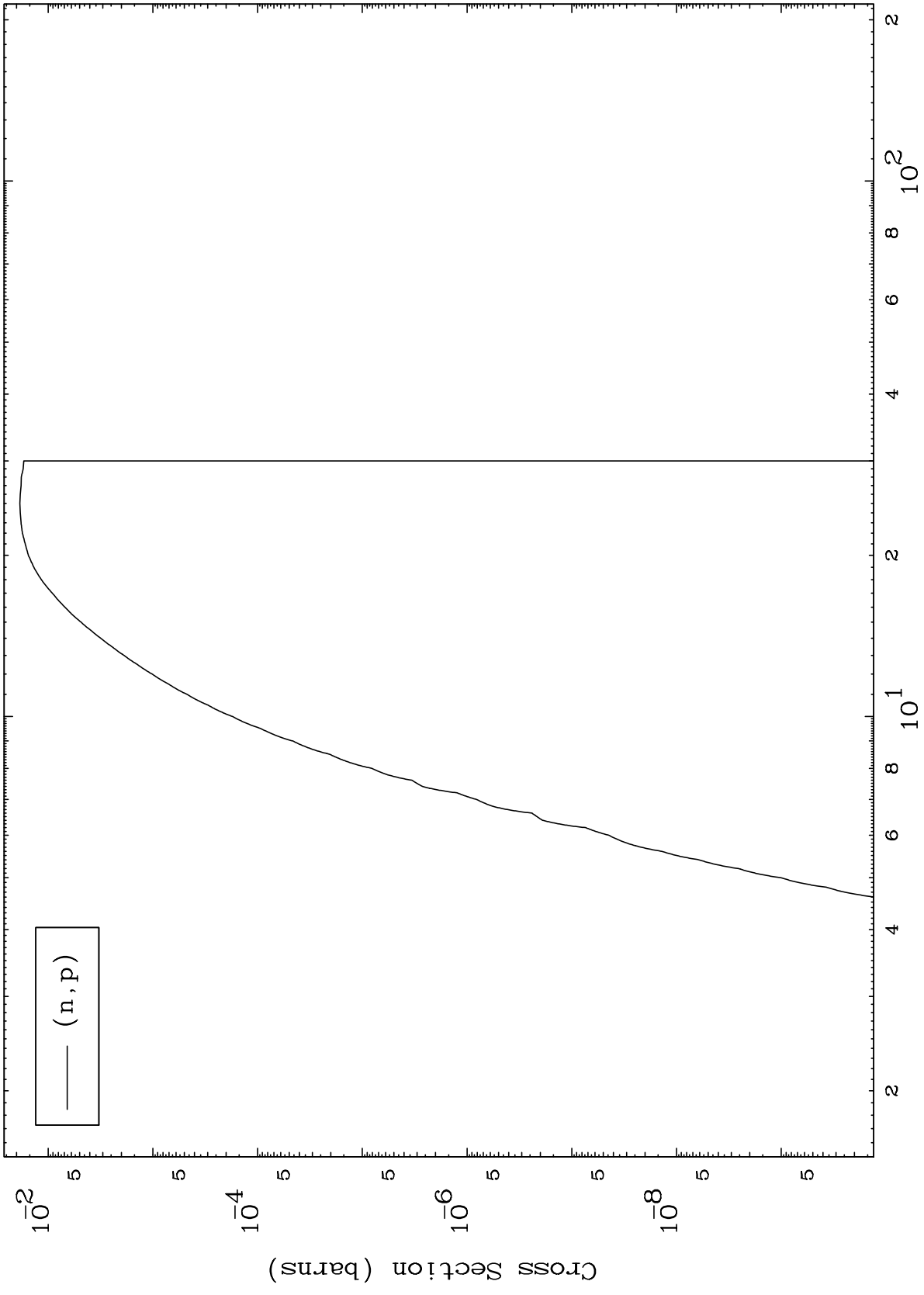
Incident Energy (MeV)

70-Yb-175

MAT 7046

(n,p) Levels
293 Kelvin Cross Sections

70-Yb-175



10

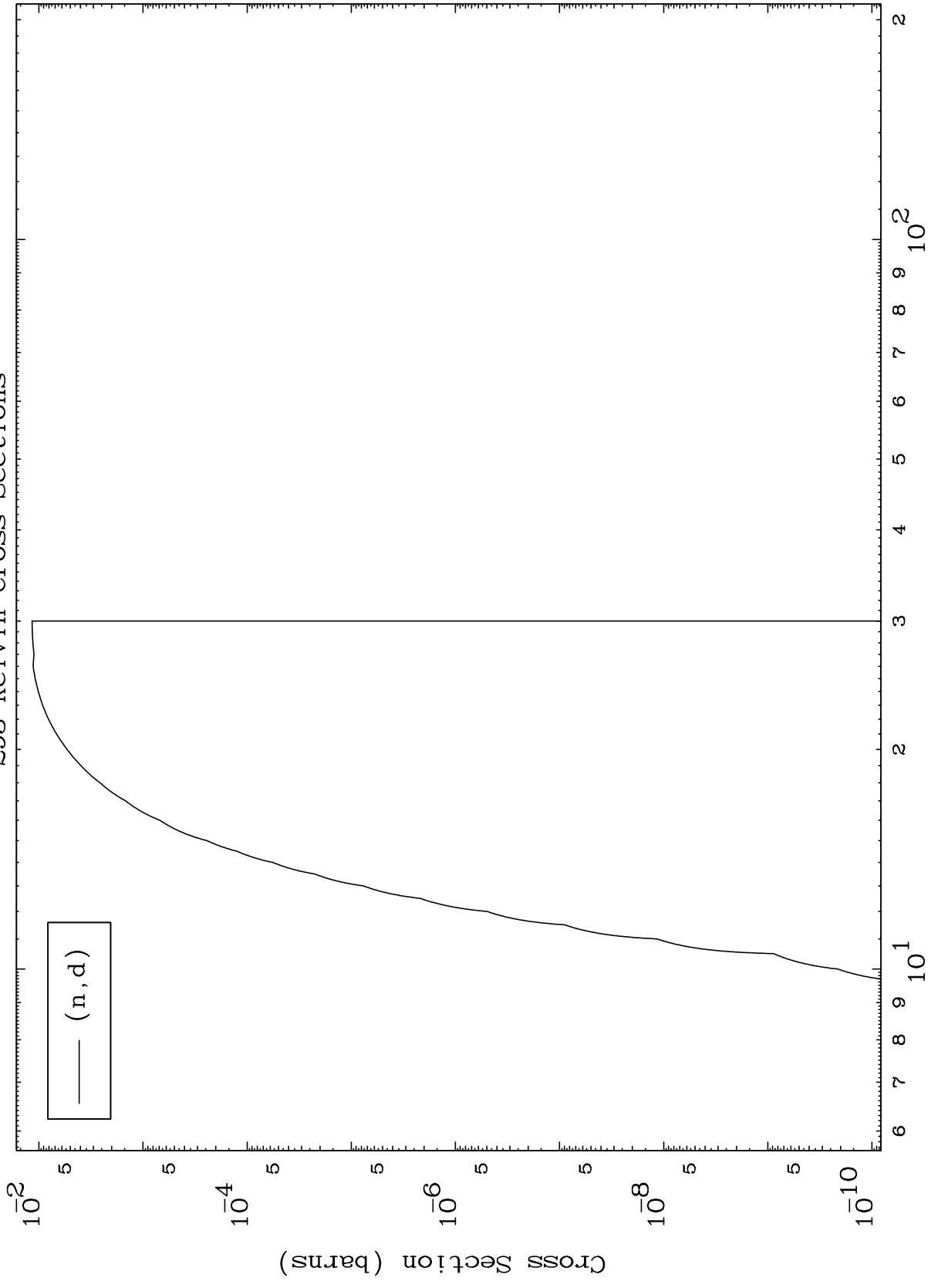
Incident Energy (MeV)

70-Yb-175

MAT 7046

(n,d) Levels
293 Kelvin Cross Sections

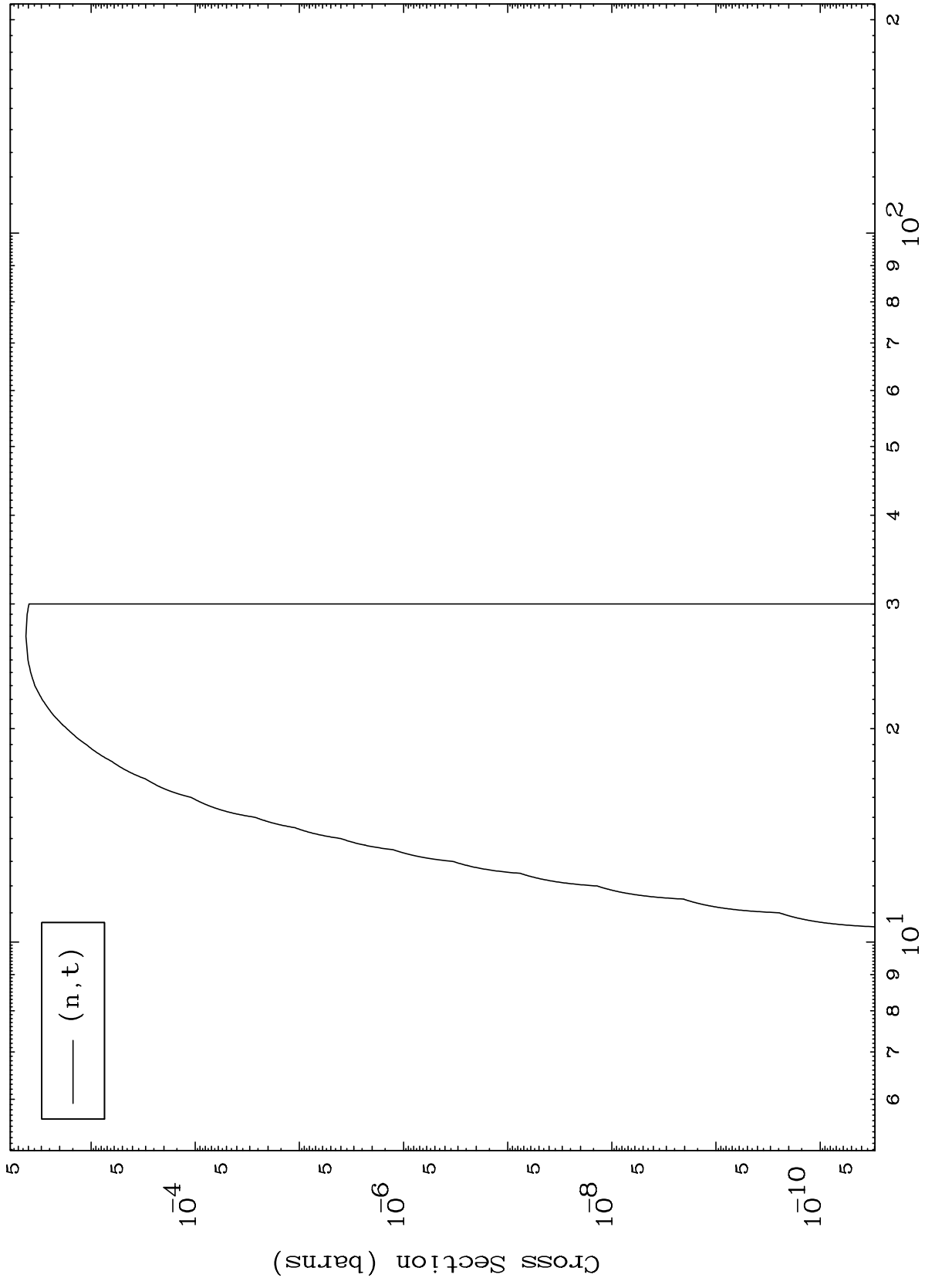
70-Yb-175



MAT 7046

(n,t) Levels
293 Kelvin Cross Sections

70-Yb-175



12

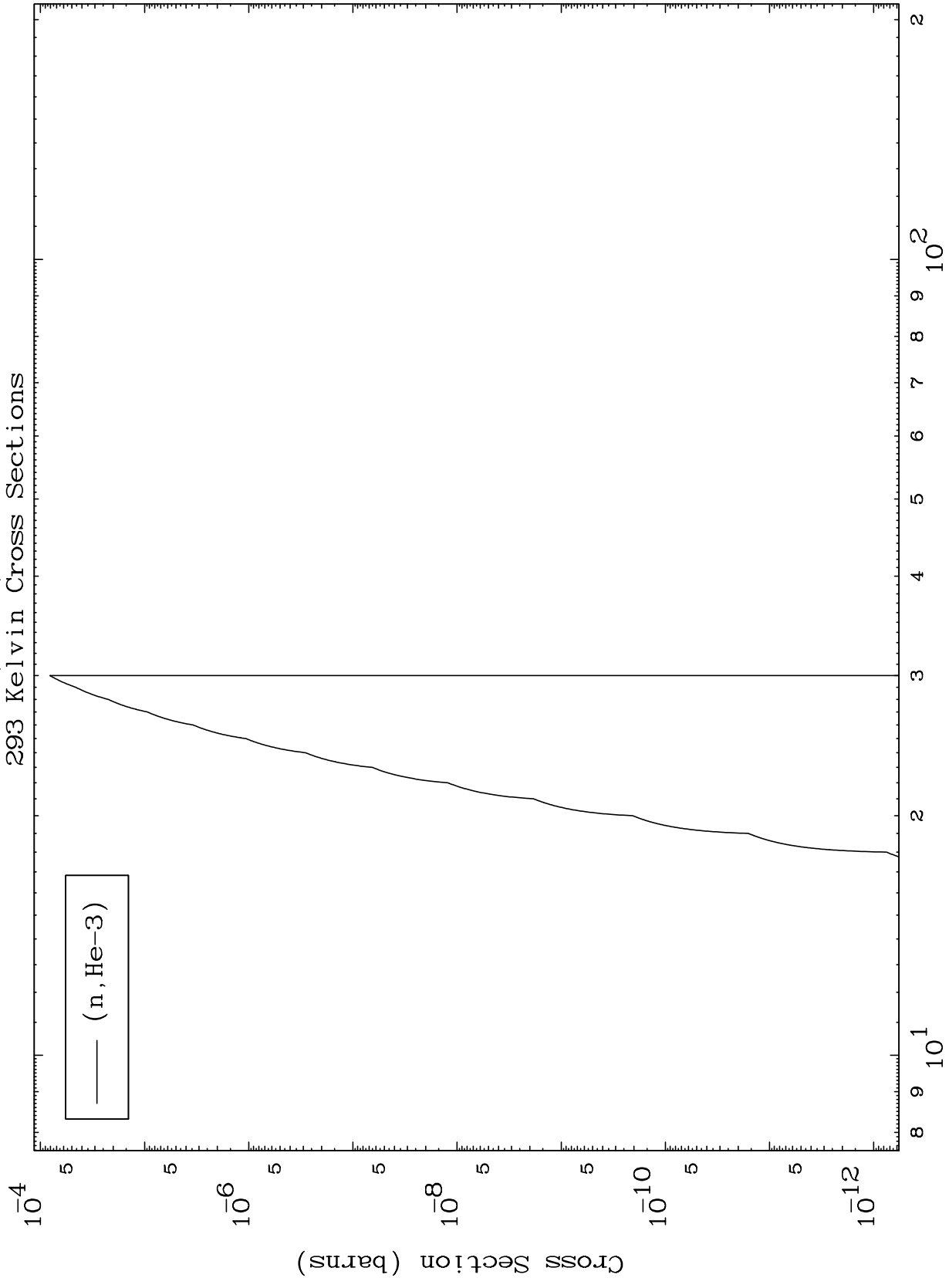
Incident Energy (MeV)

70-Yb-175

MAT 7046

(n,He3) Levels
293 Kelvin Cross Sections

70-Yb-175



13

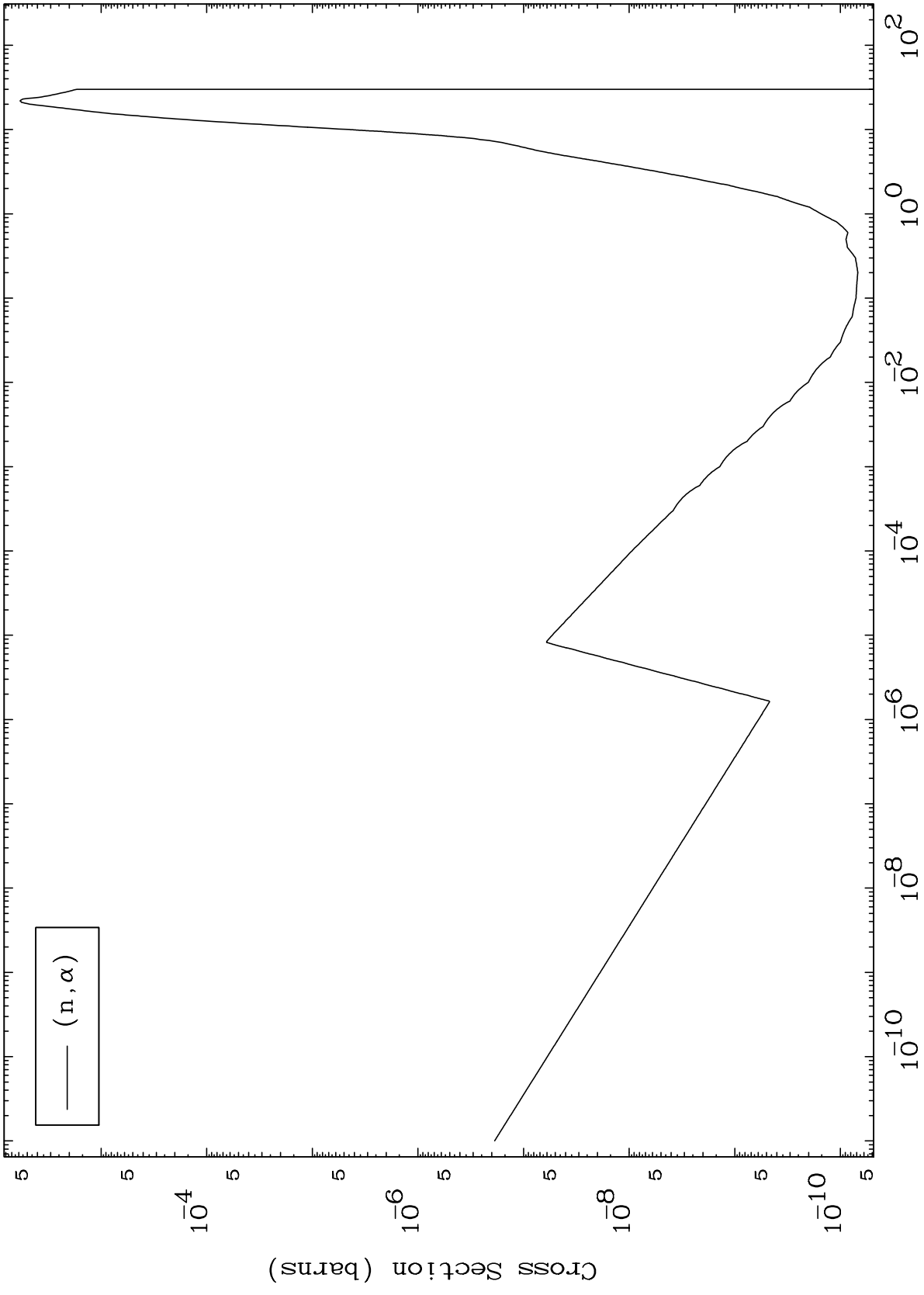
Incident Energy (MeV)

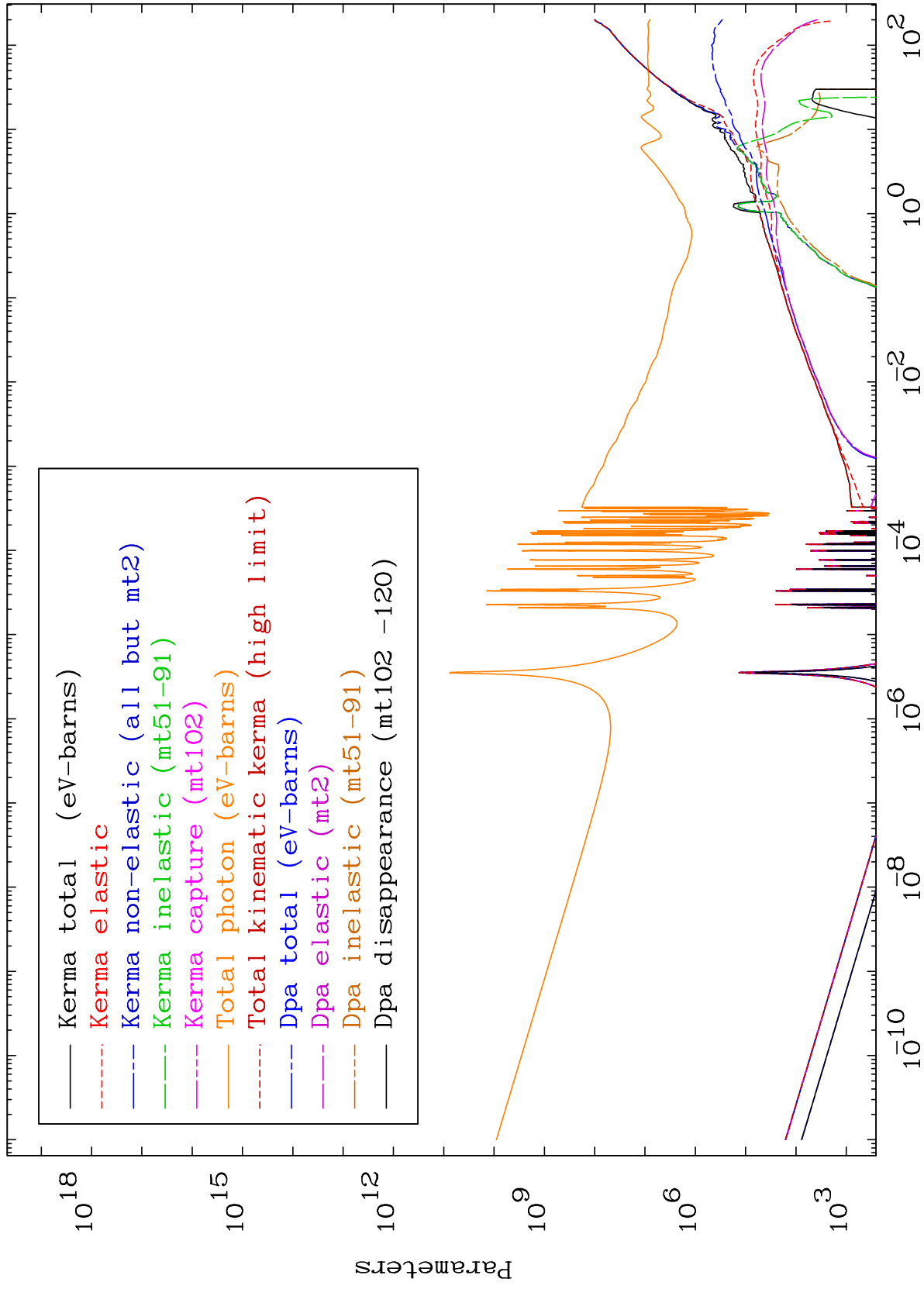
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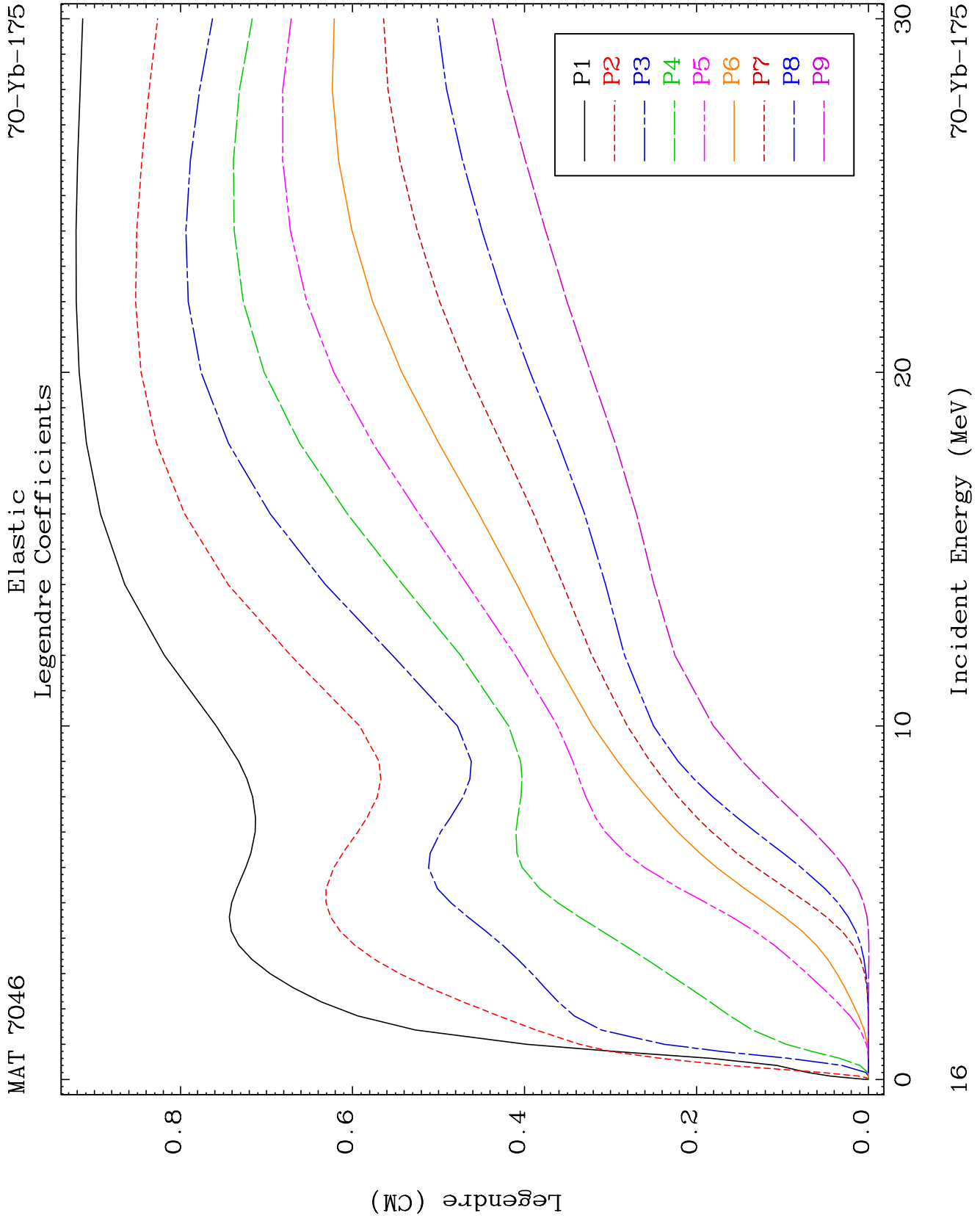
MAT 7046

(n, α) Levels
293 Kelvin Cross Sections

70-Yb-175



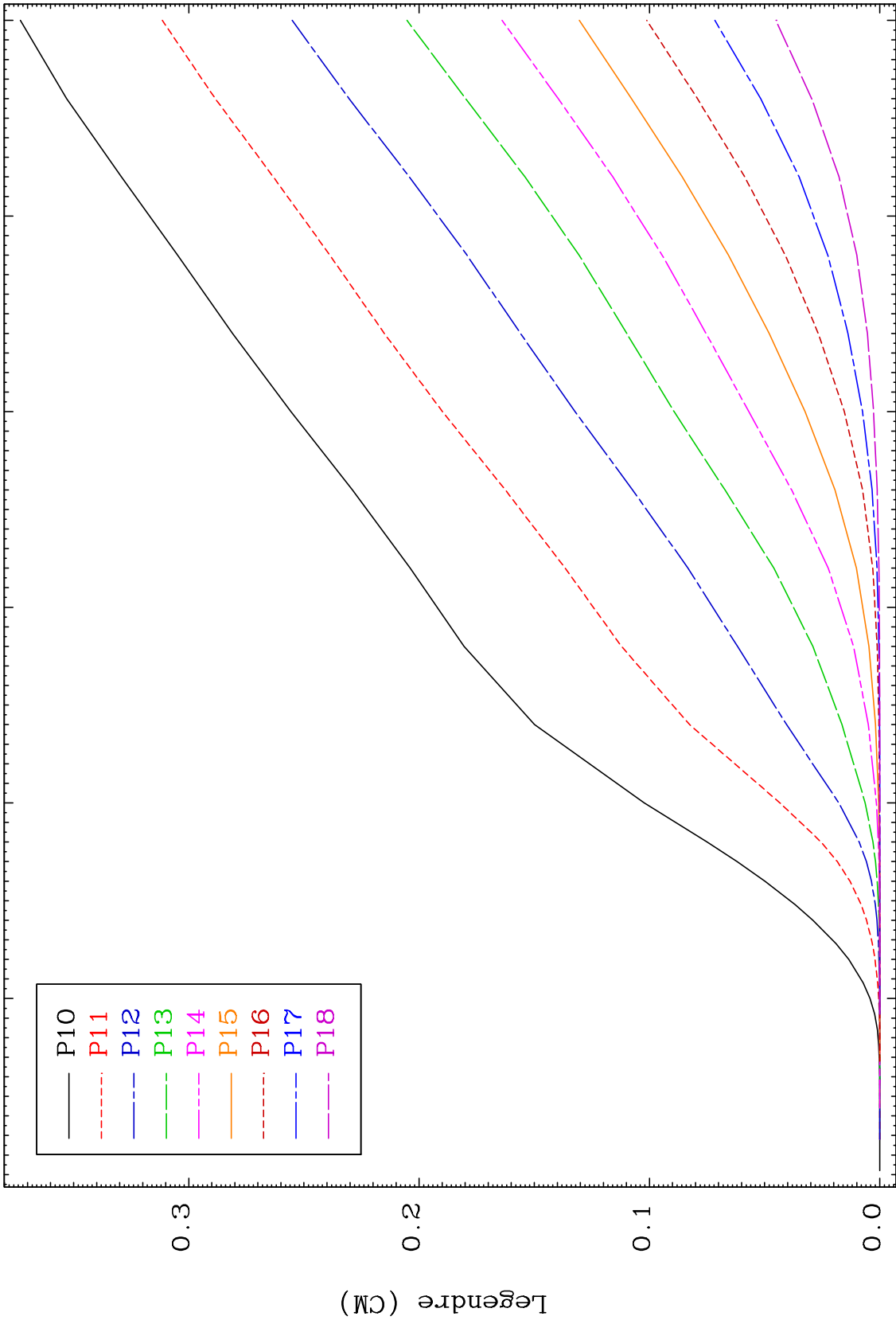




MAT 7046

Elastic Legendre Coefficients

70-Yb-175



17

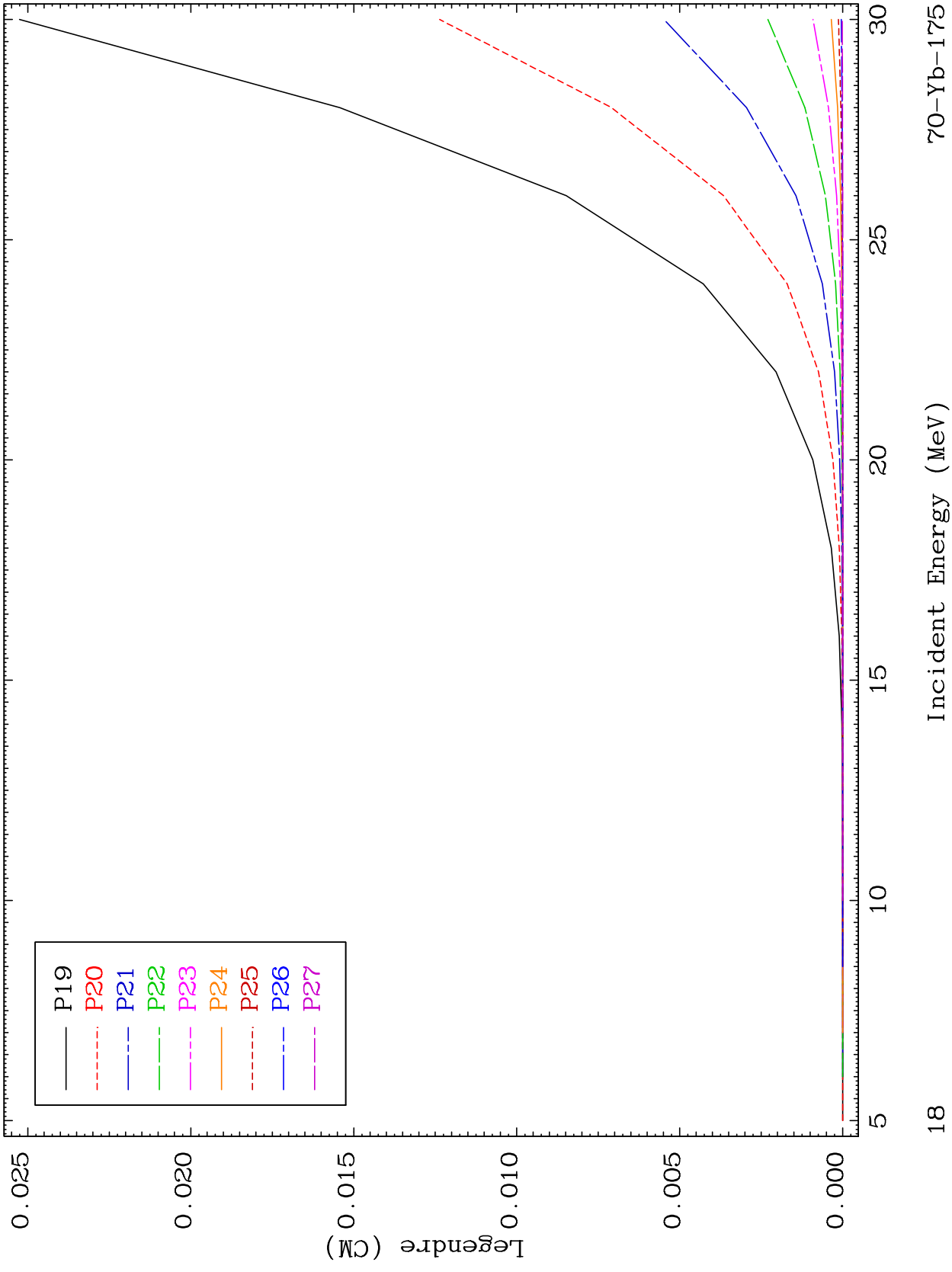
Incident Energy (MeV)

70-Yb-175

MAT 7046

Elastic Legendre Coefficients

70-Yb-175



18

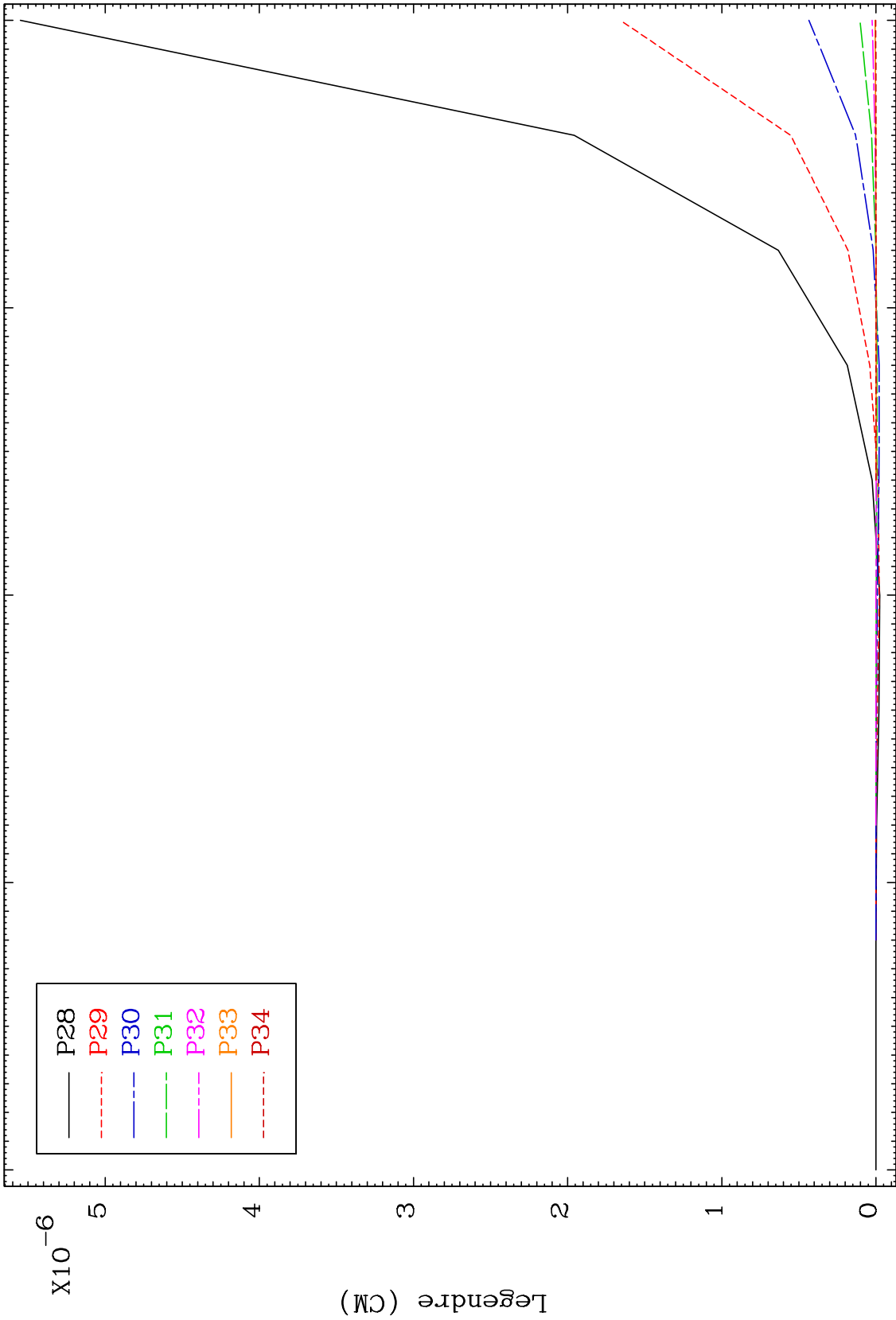
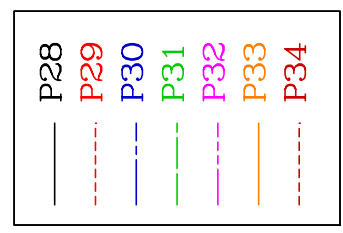
Incident Energy (MeV)

70-Yb-175

MAT 7046

Elastic Legendre Coefficients

70-Yb-175

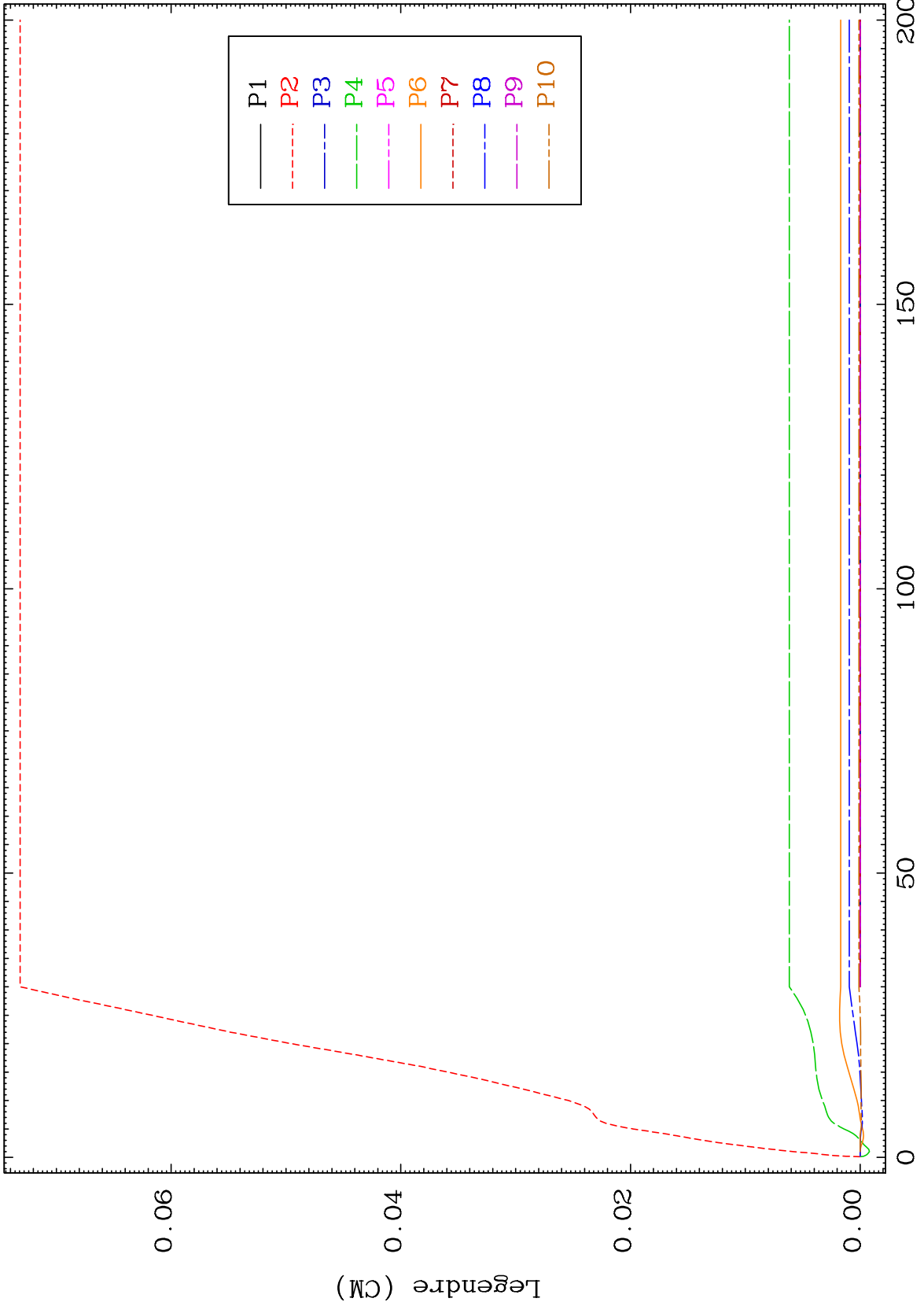


19

Incident Energy (MeV)

70-Yb-175

MAT 7046 MT= 51 (n,n') Level Legendre Coefficients 70-Yb-175

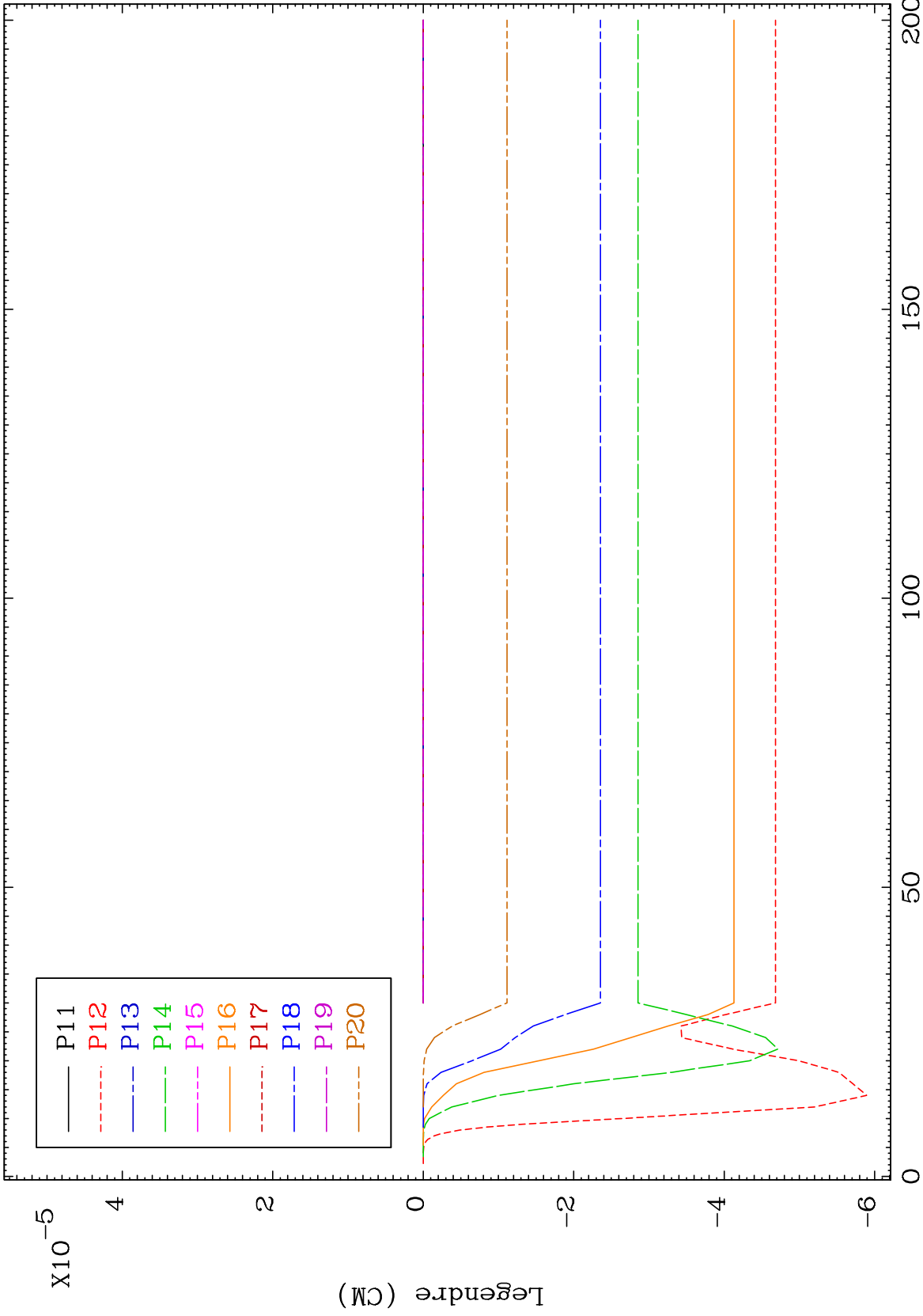


70-Yb-175

MAT 7046

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

70-Yb-175

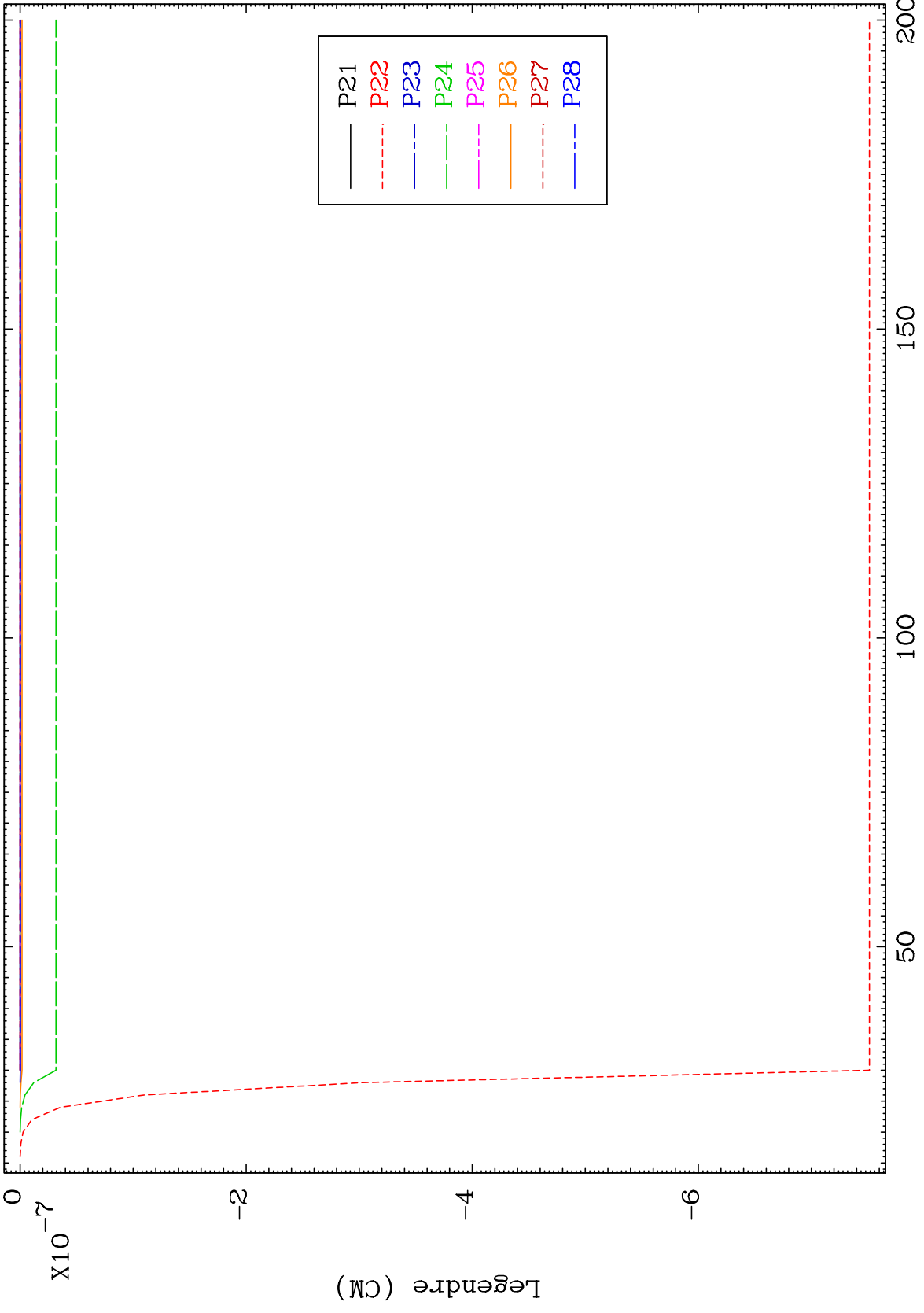


21

Incident Energy (MeV)

70-Yb-175

MAT 7046 MT= 51 (n,n') Level Legendre Coefficients 70-Yb-175

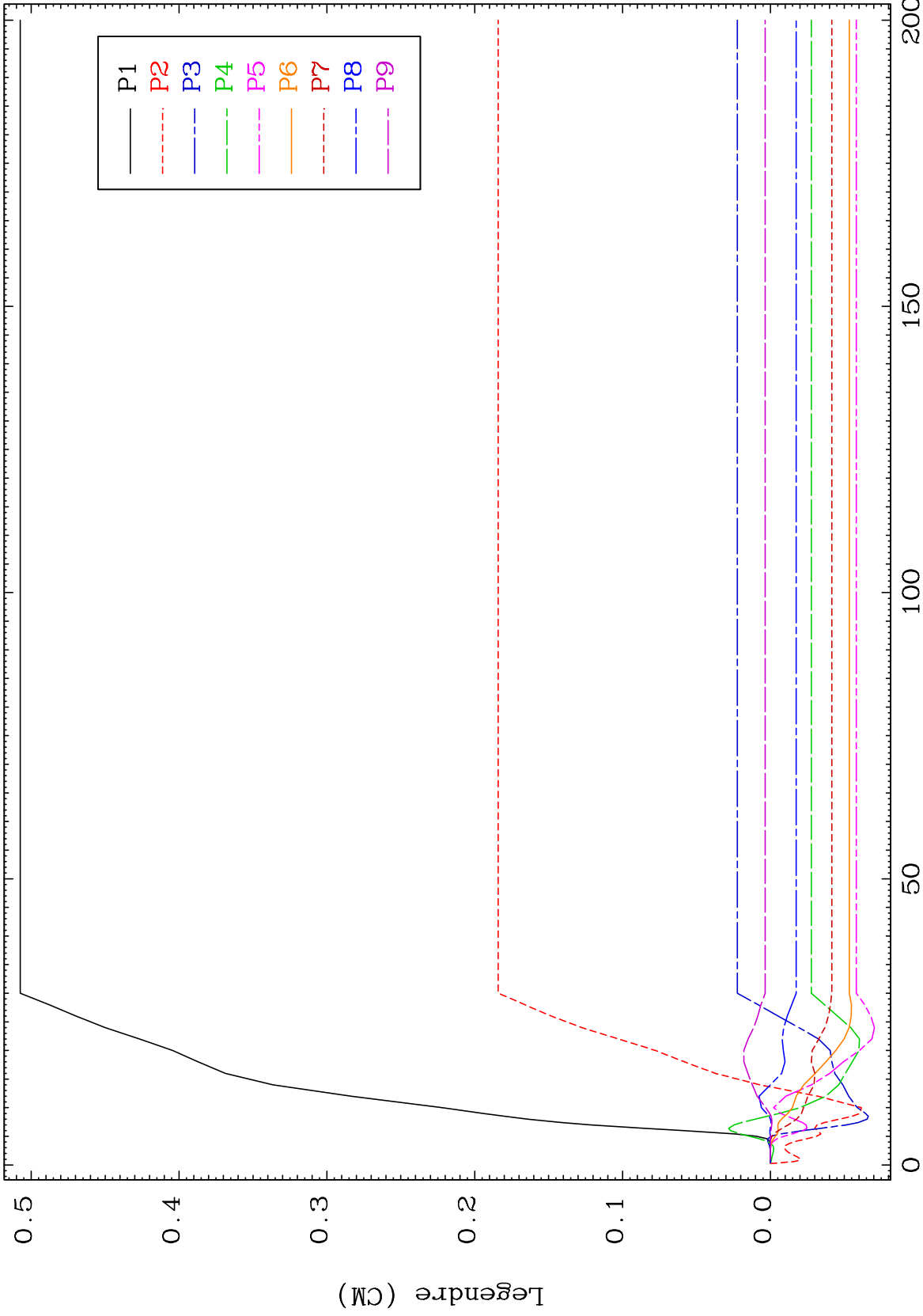


22 70-Yb-175

MAT 7046

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

70-Yb-175

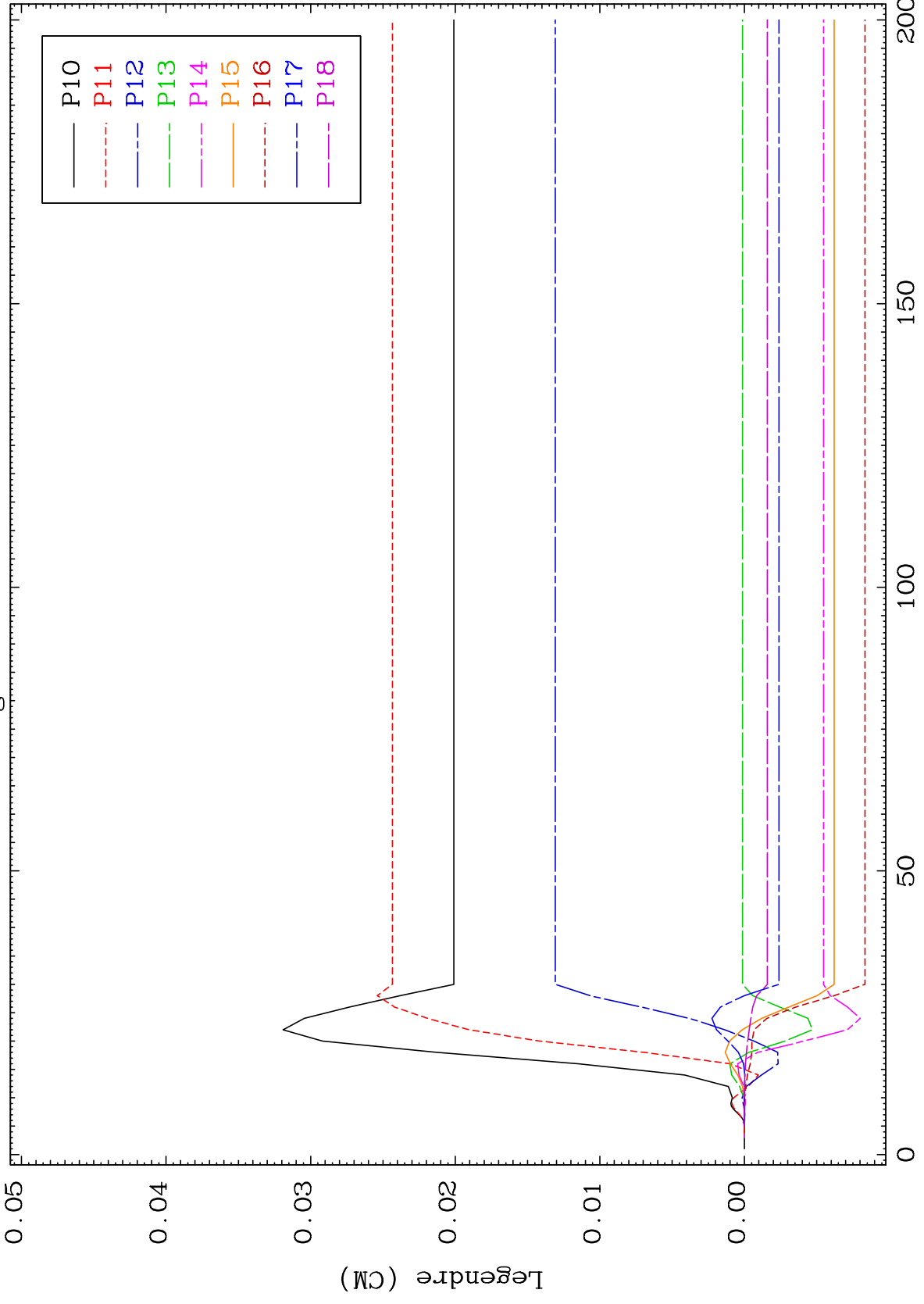


23

Incident Energy (MeV)

70-Yb-175

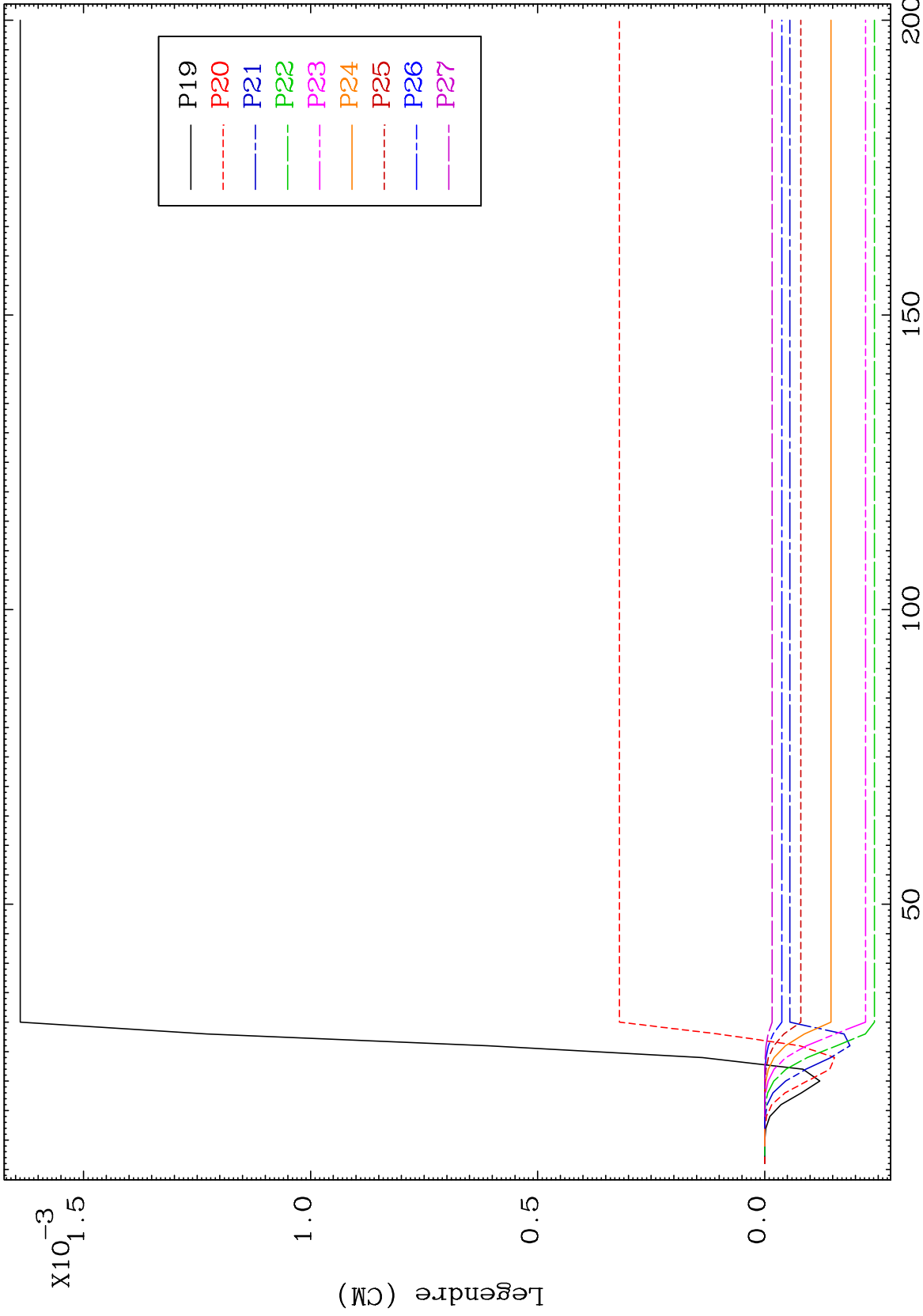
MAT 7046 MT= 52 (n,n') Level Legendre Coefficients 70-Yb-175



MAT 7046

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

70-Yb-175

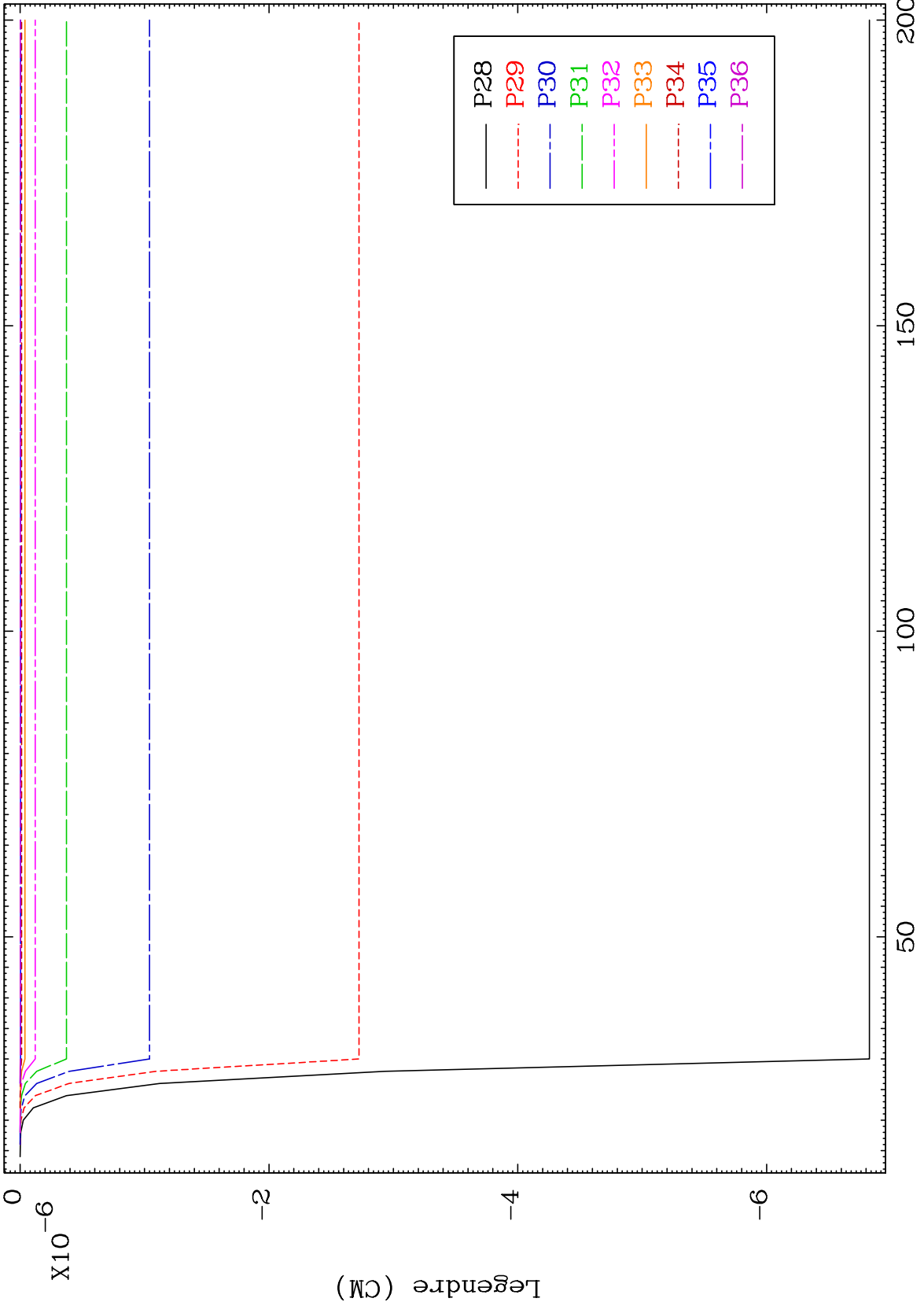


25

Incident Energy (MeV)

70-Yb-175

MAT 7046 MT= 52 (n,n') Level Legendre Coefficients 70-Yb-175

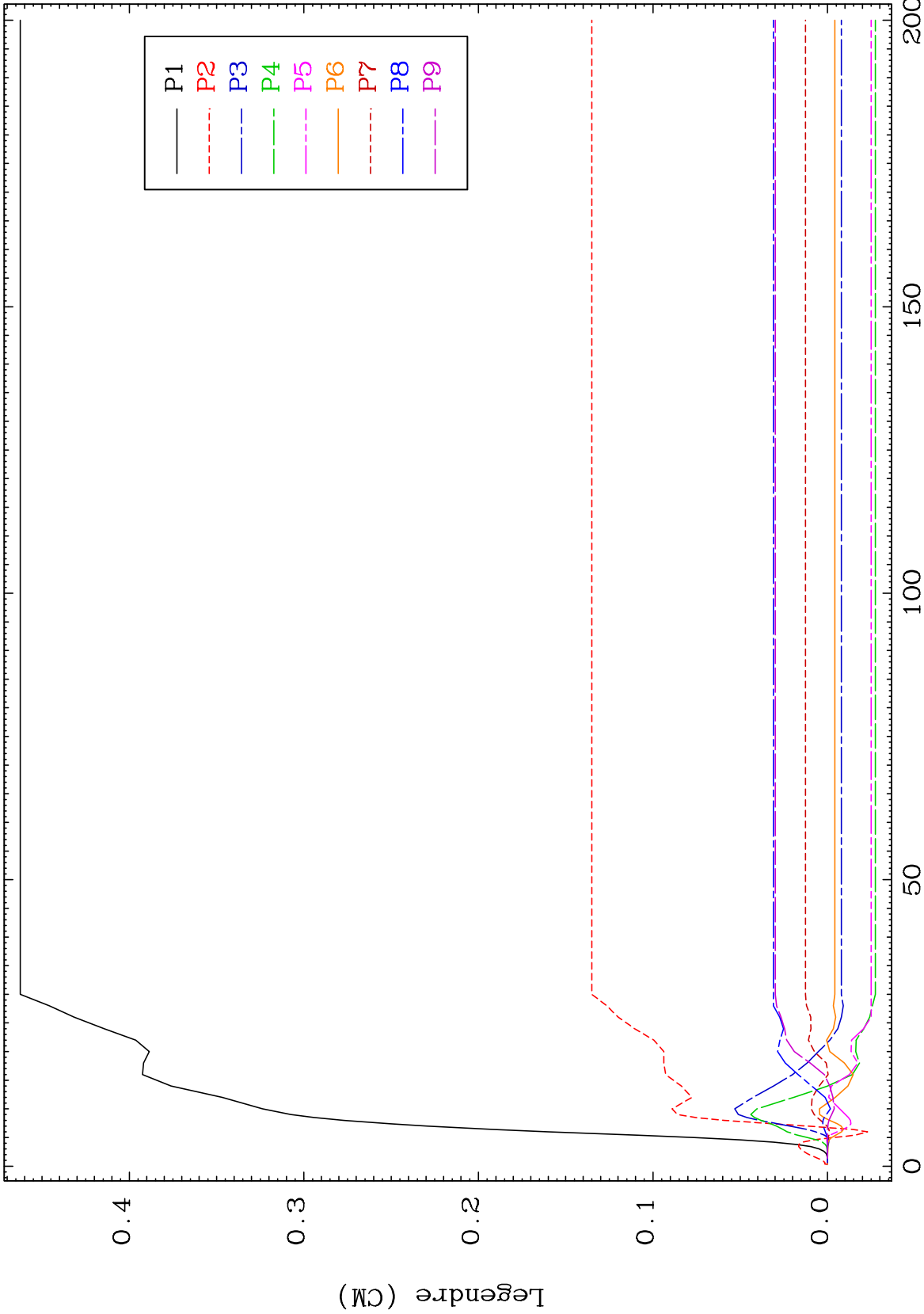


26 70-Yb-175

MAT 7046

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

70-Yb-175



27

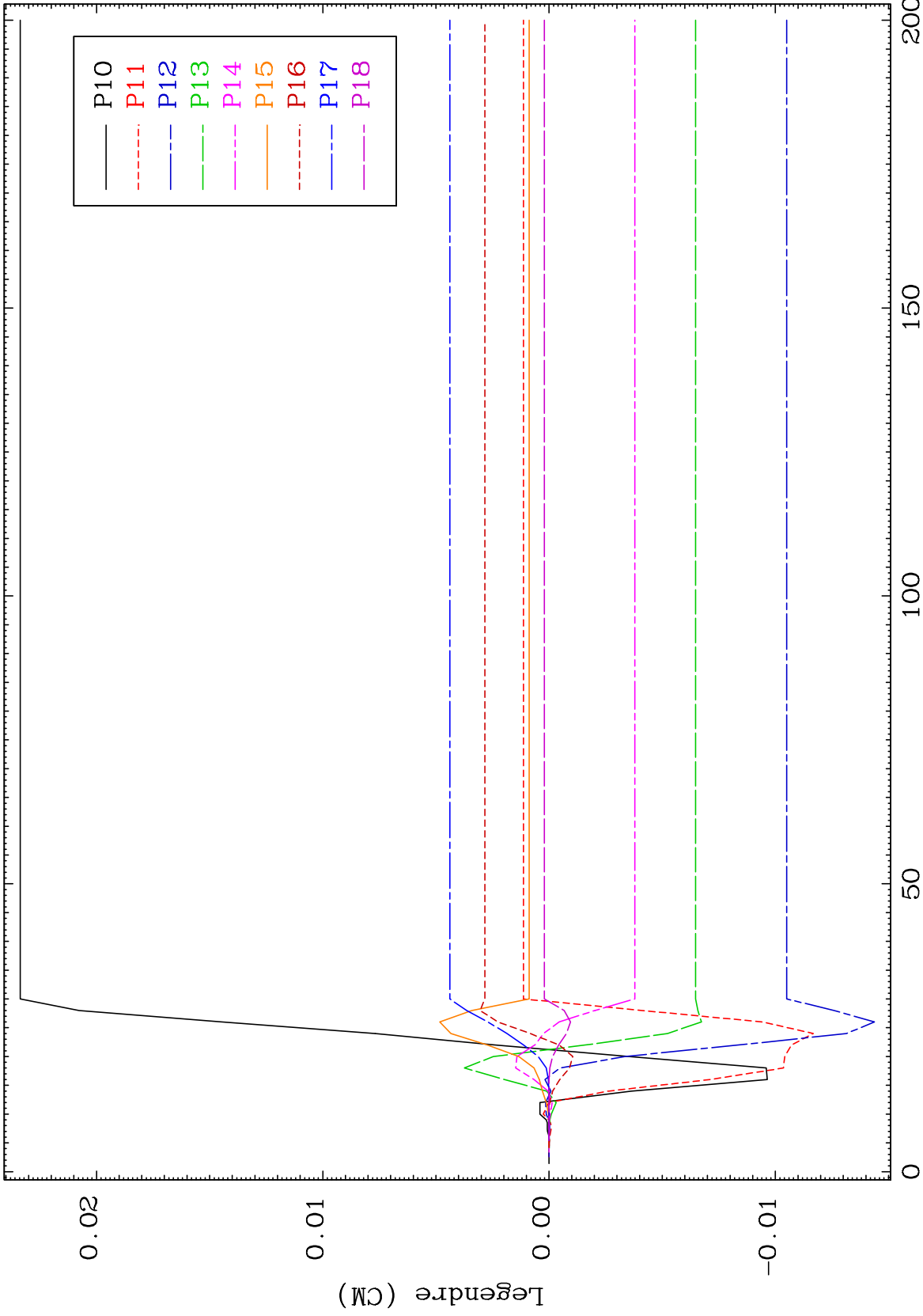
Incident Energy (MeV)

70-Yb-175

MAT 7046

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

70-Yb-175



28

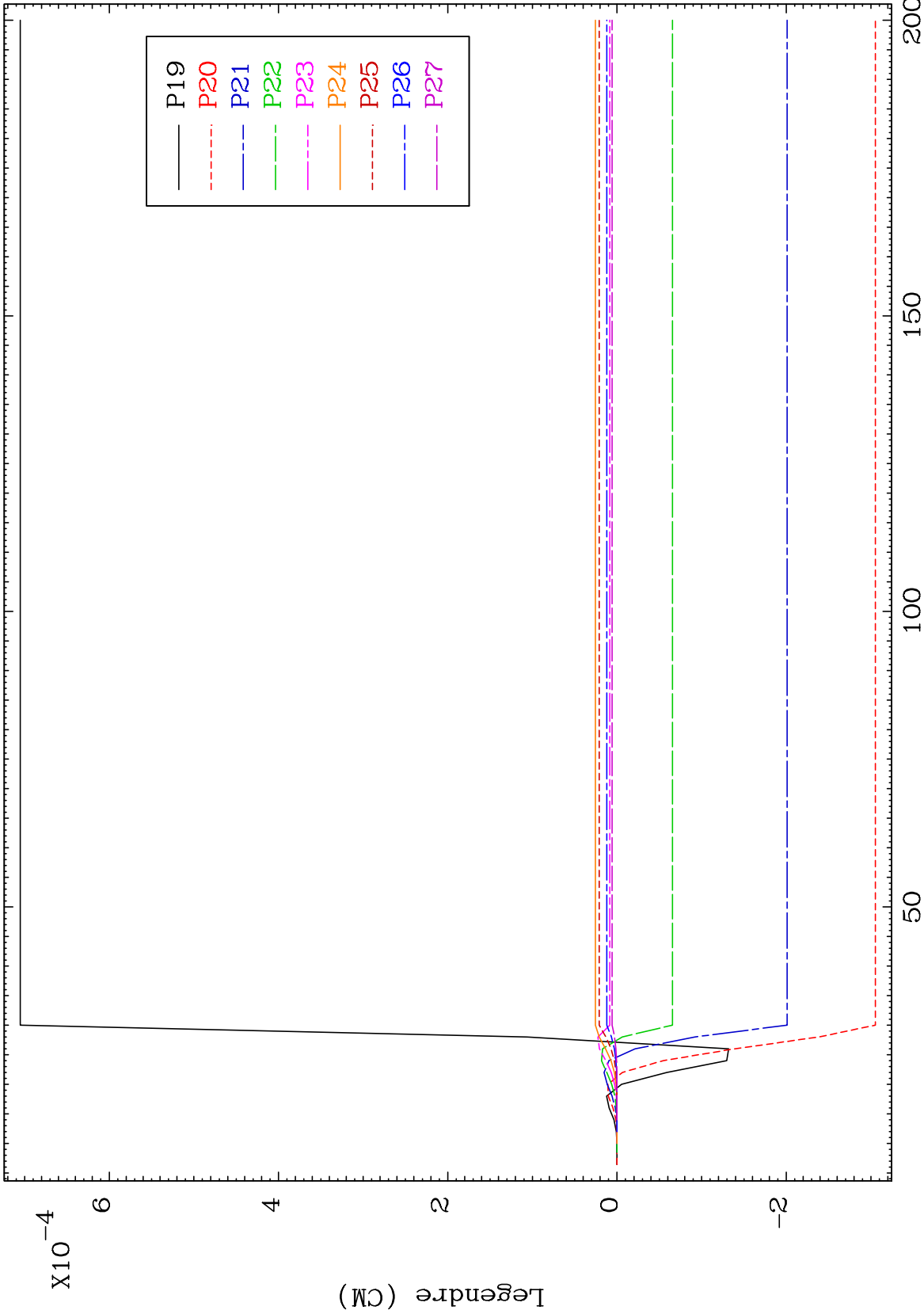
Incident Energy (MeV)

70-Yb-175

MAT 7046

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

70-Yb-175



29

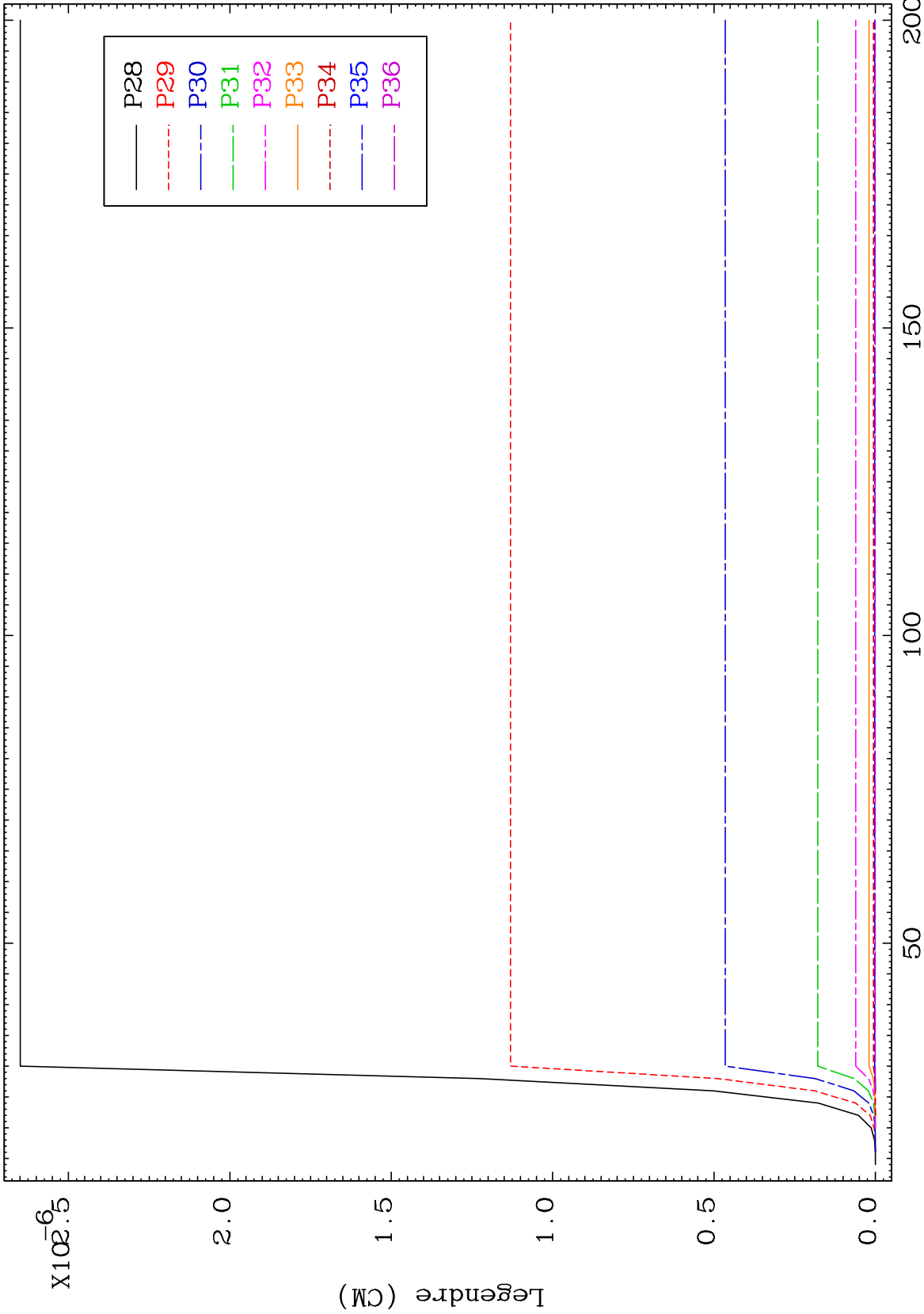
Incident Energy (MeV)

70-Yb-175

MAT 7046

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

70-Yb-175



30

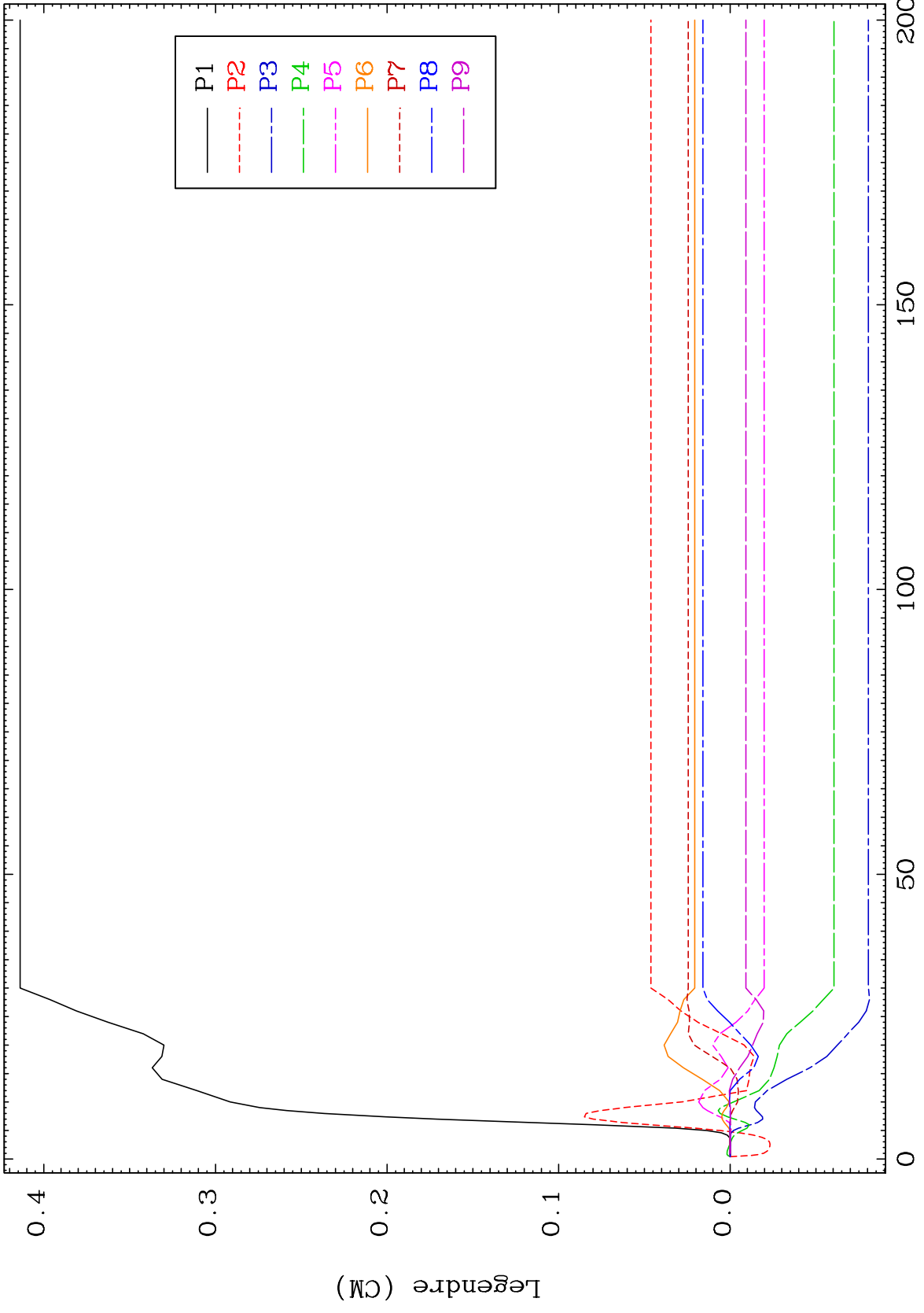
Incident Energy (MeV)

70-Yb-175

MAT 7046

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

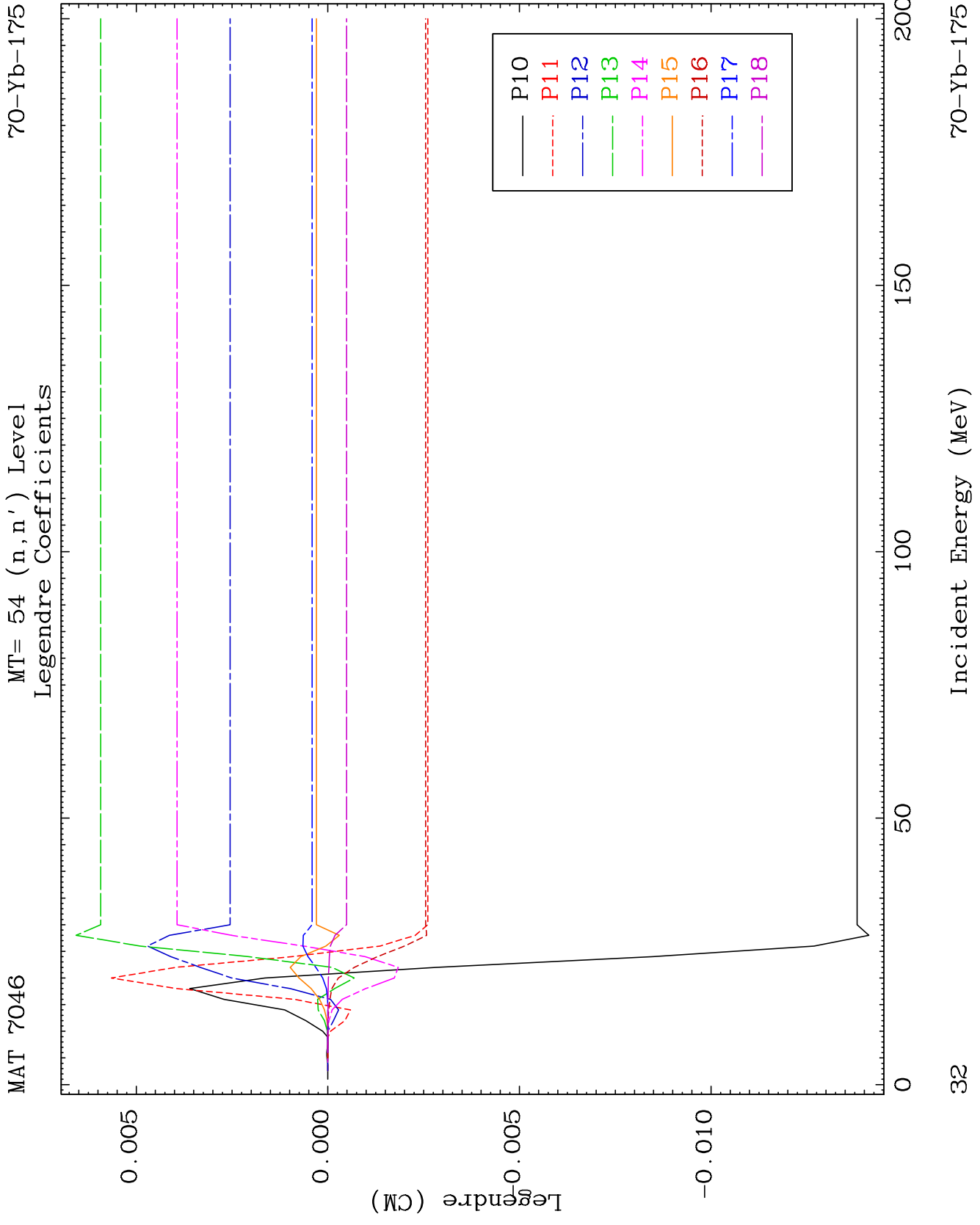
70-Yb-175



31

Incident Energy (MeV)

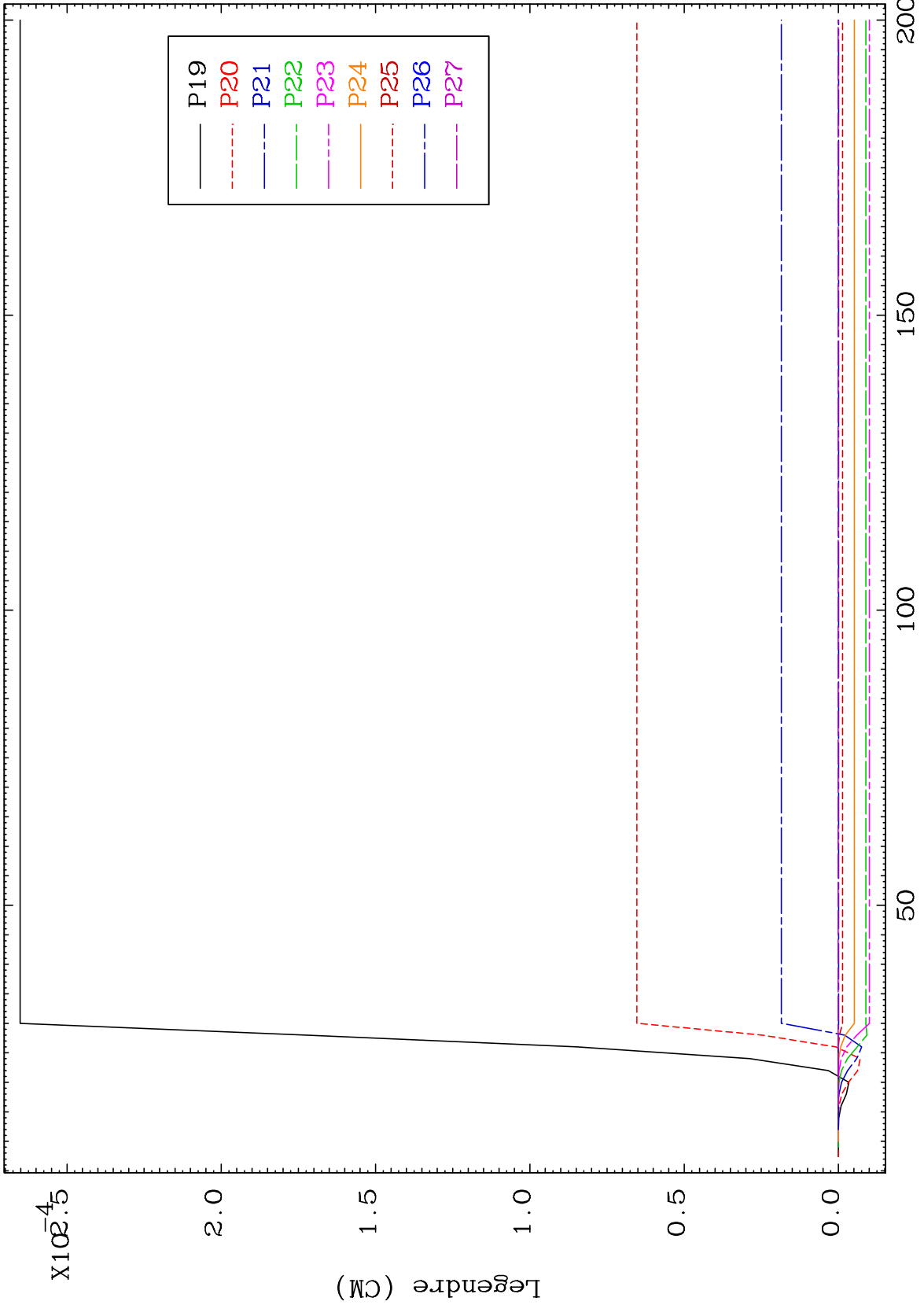
70-Yb-175



MAT 7046

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

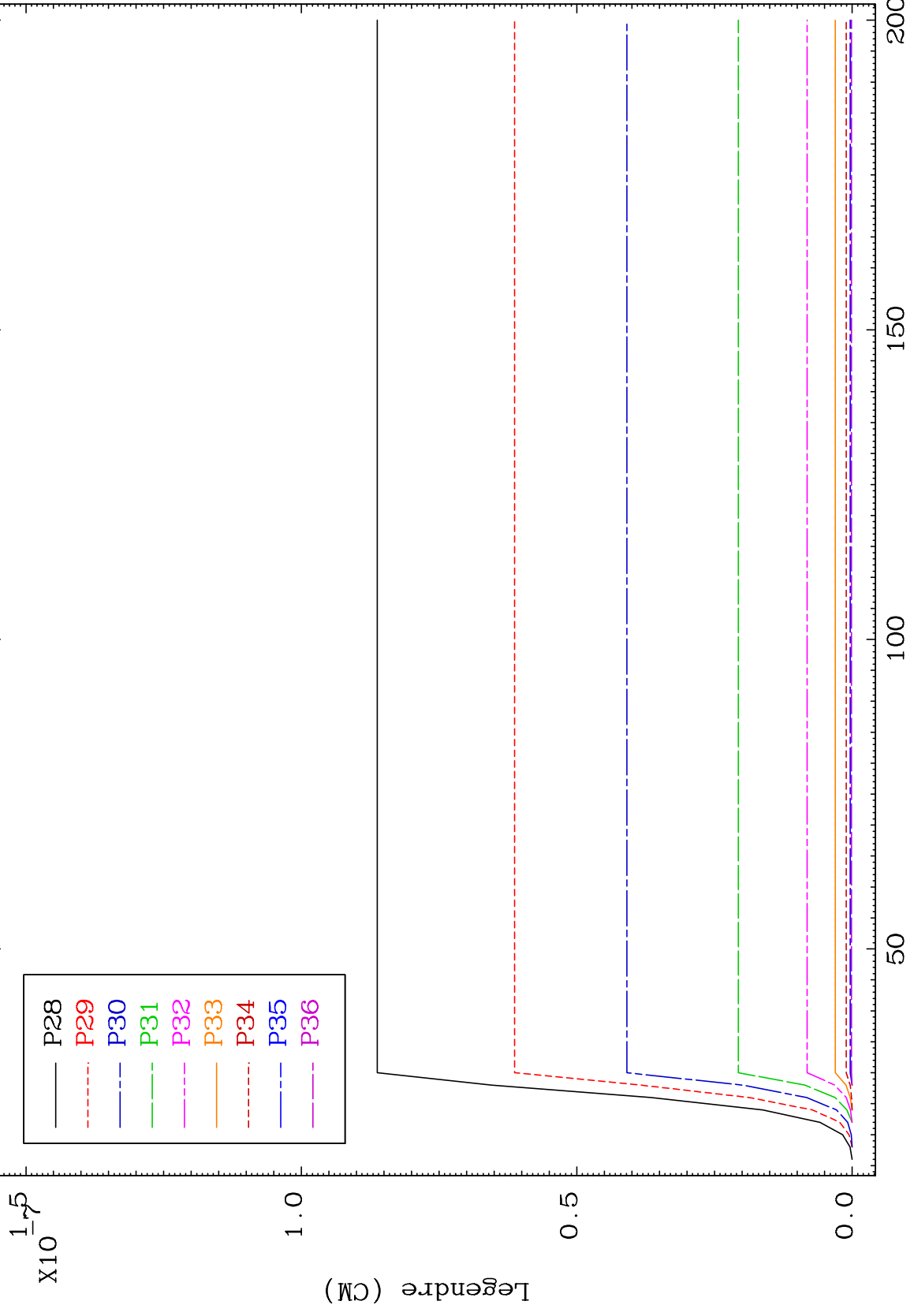
70-Yb-175



MAT 7046

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

70-Yb-175



34

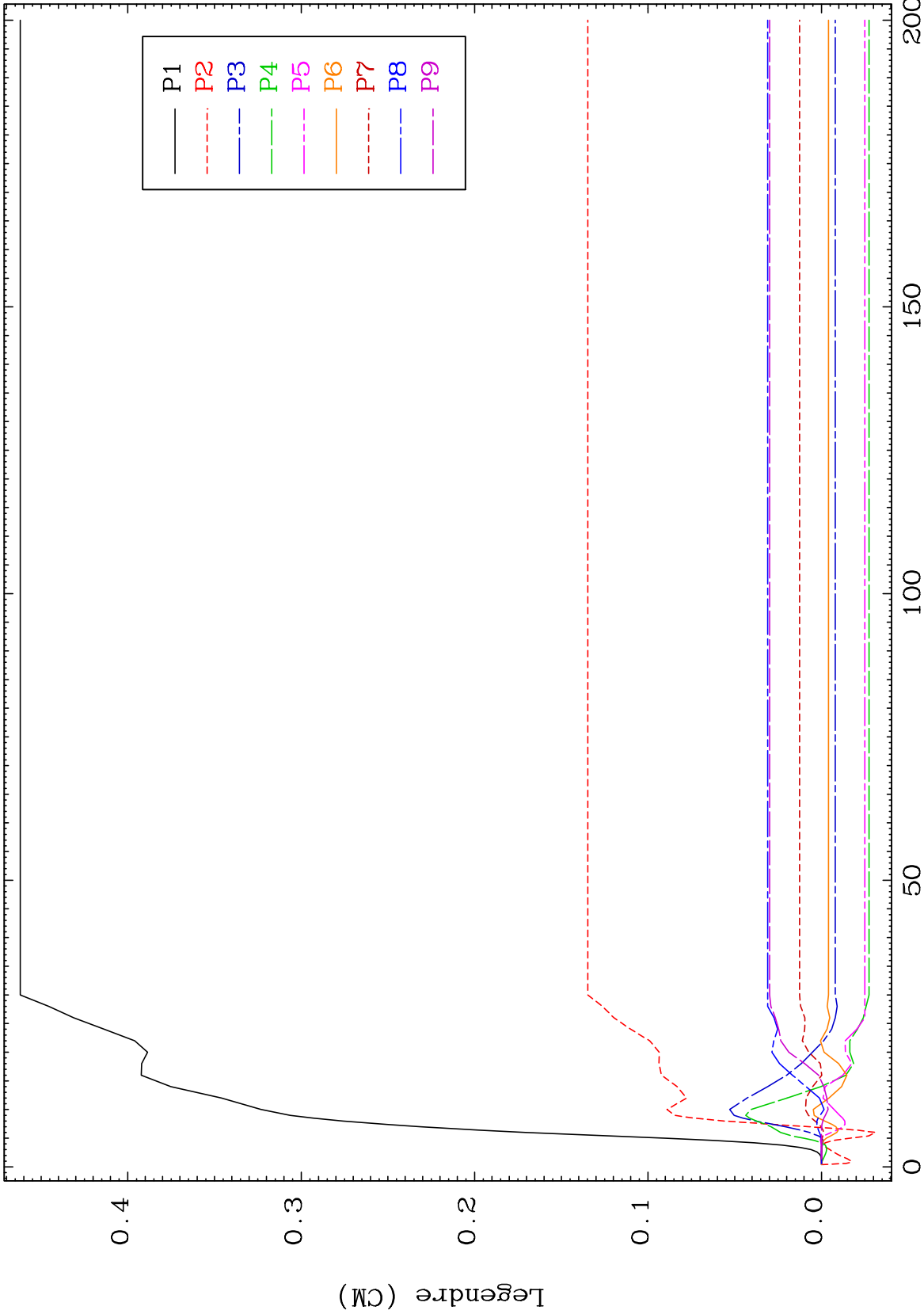
Incident Energy (MeV)

70-Yb-175

MAT 7046

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

70-Yb-175



35

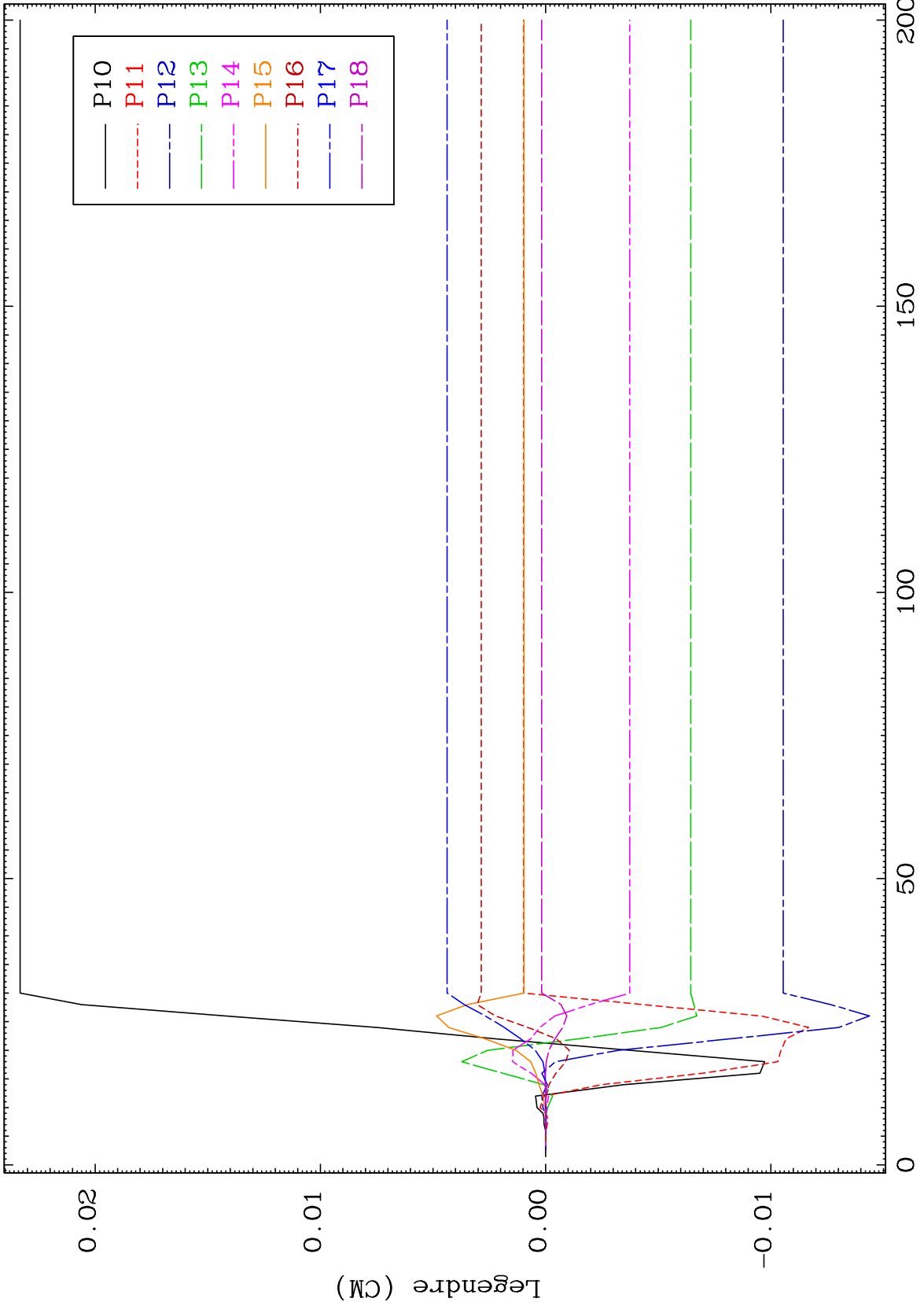
Incident Energy (MeV)

70-Yb-175

MAT 7046

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

70-Yb-175



36

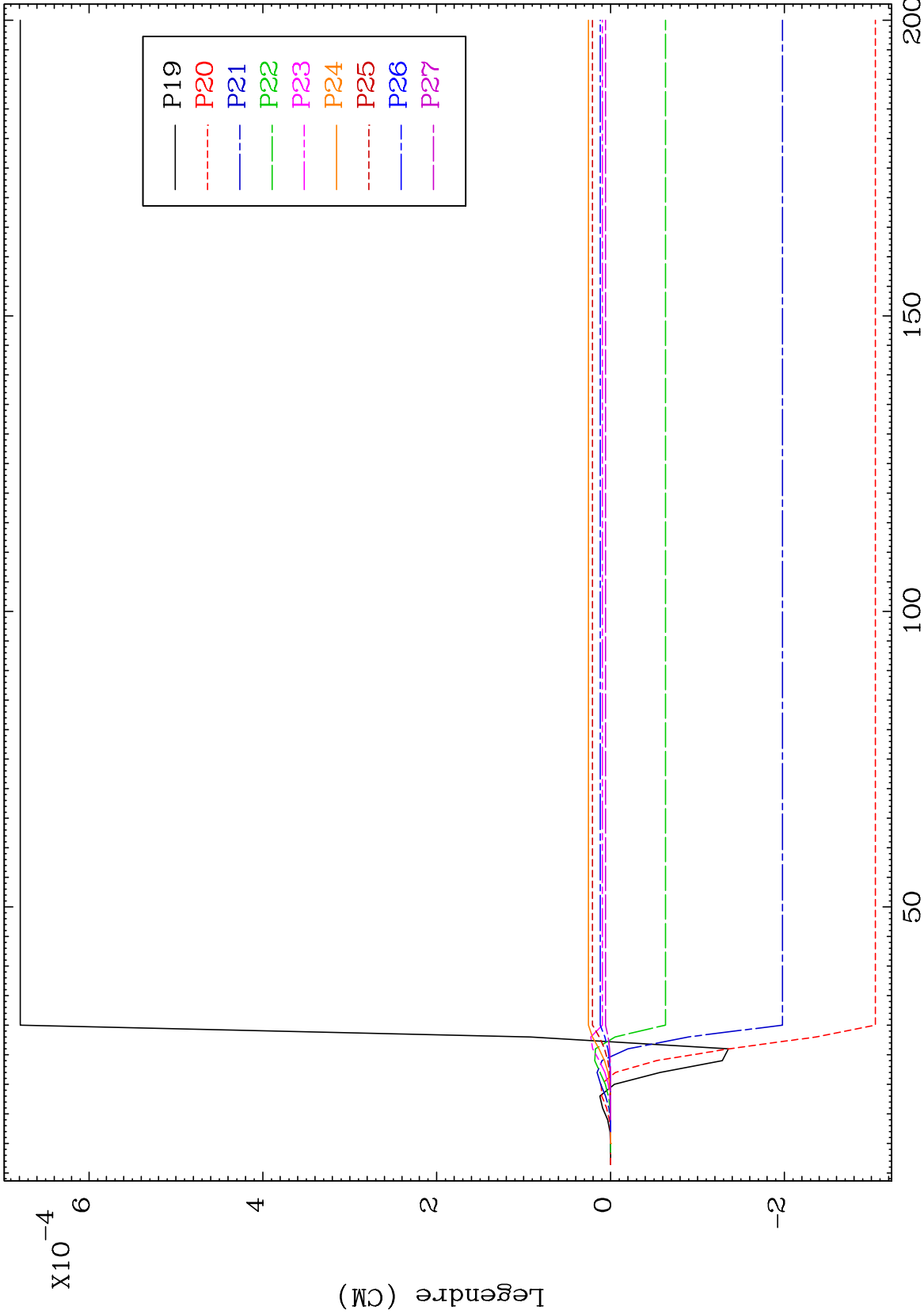
Incident Energy (MeV)

70-Yb-175

MAT 7046

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

70-Yb-175



37

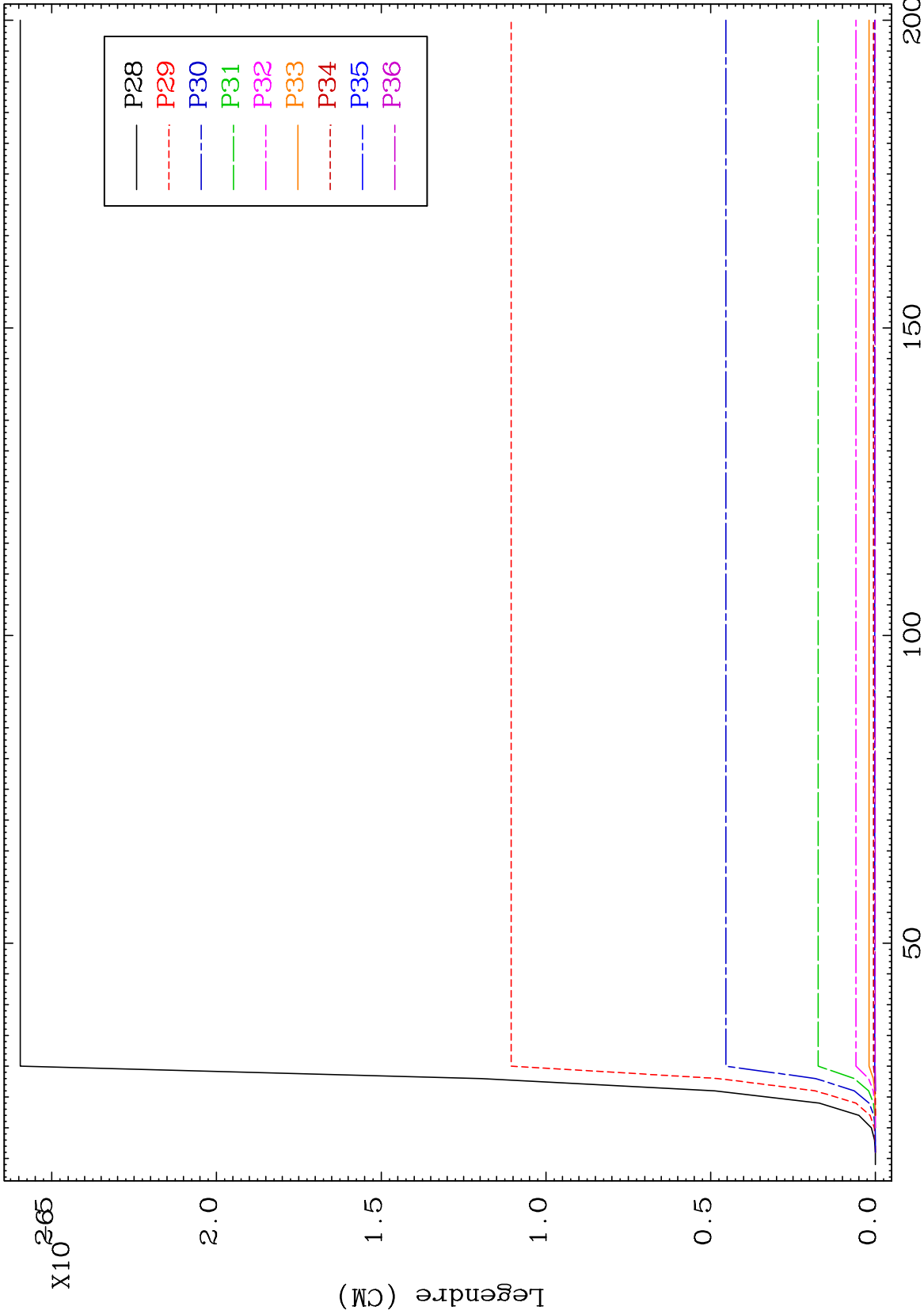
Incident Energy (MeV)

70-Yb-175

MAT 7046

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

70-Yb-175

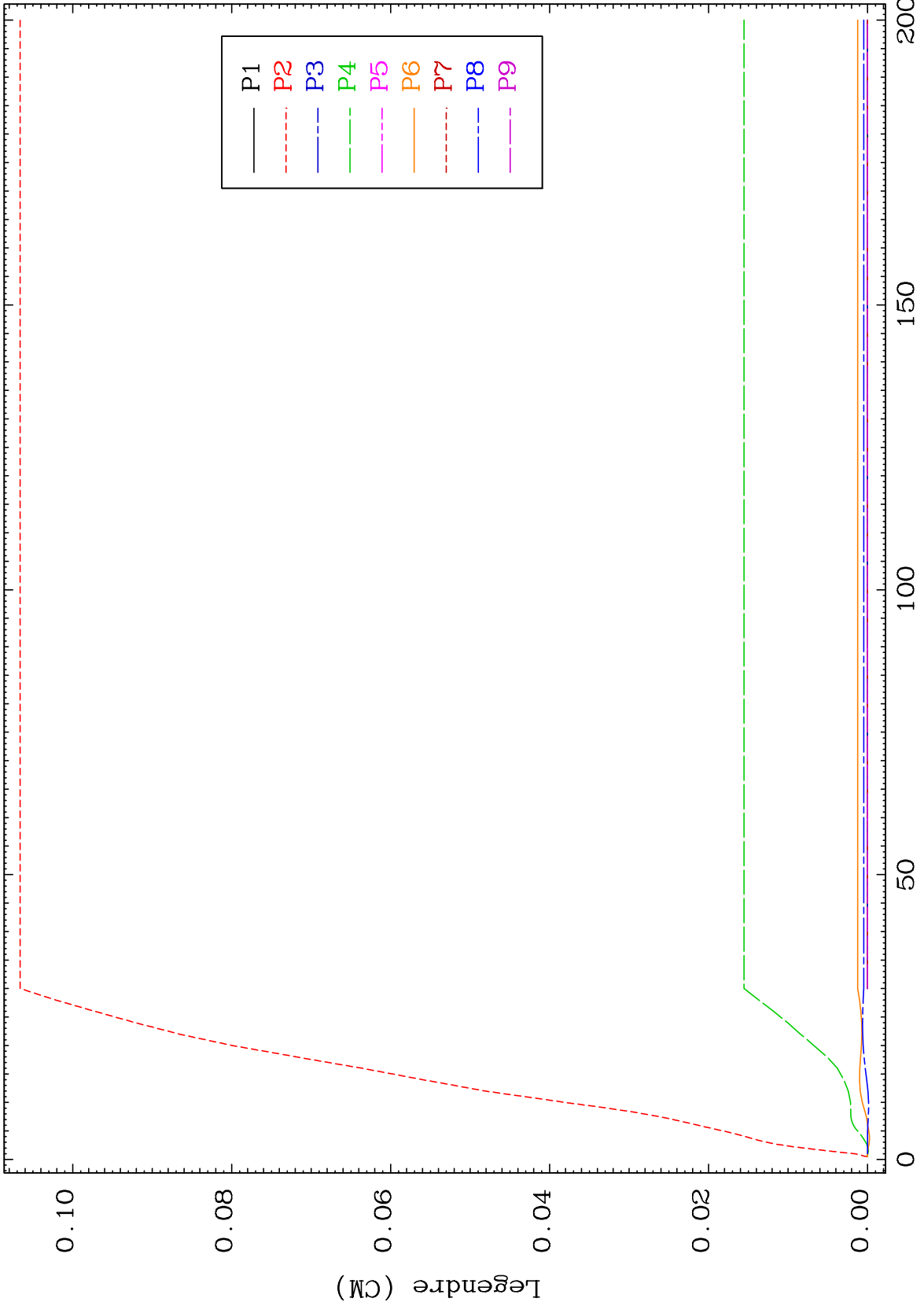


38

Incident Energy (MeV)

70-Yb-175

MAT 7046 MT= 56 (n,n') Level Legendre Coefficients 70-Yb-175

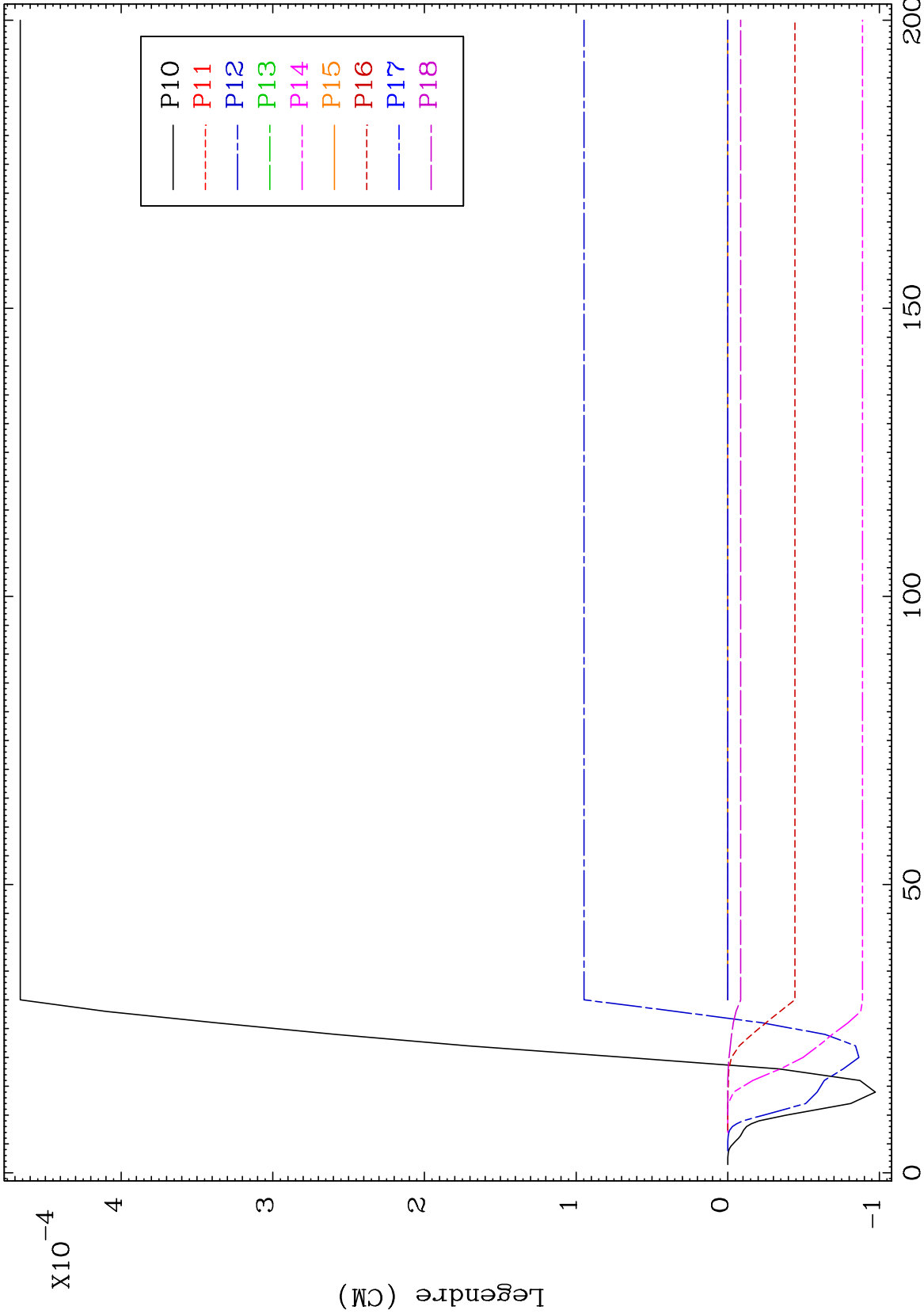


39 Incident Energy (MeV) 70-Yb-175

MAT 7046

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

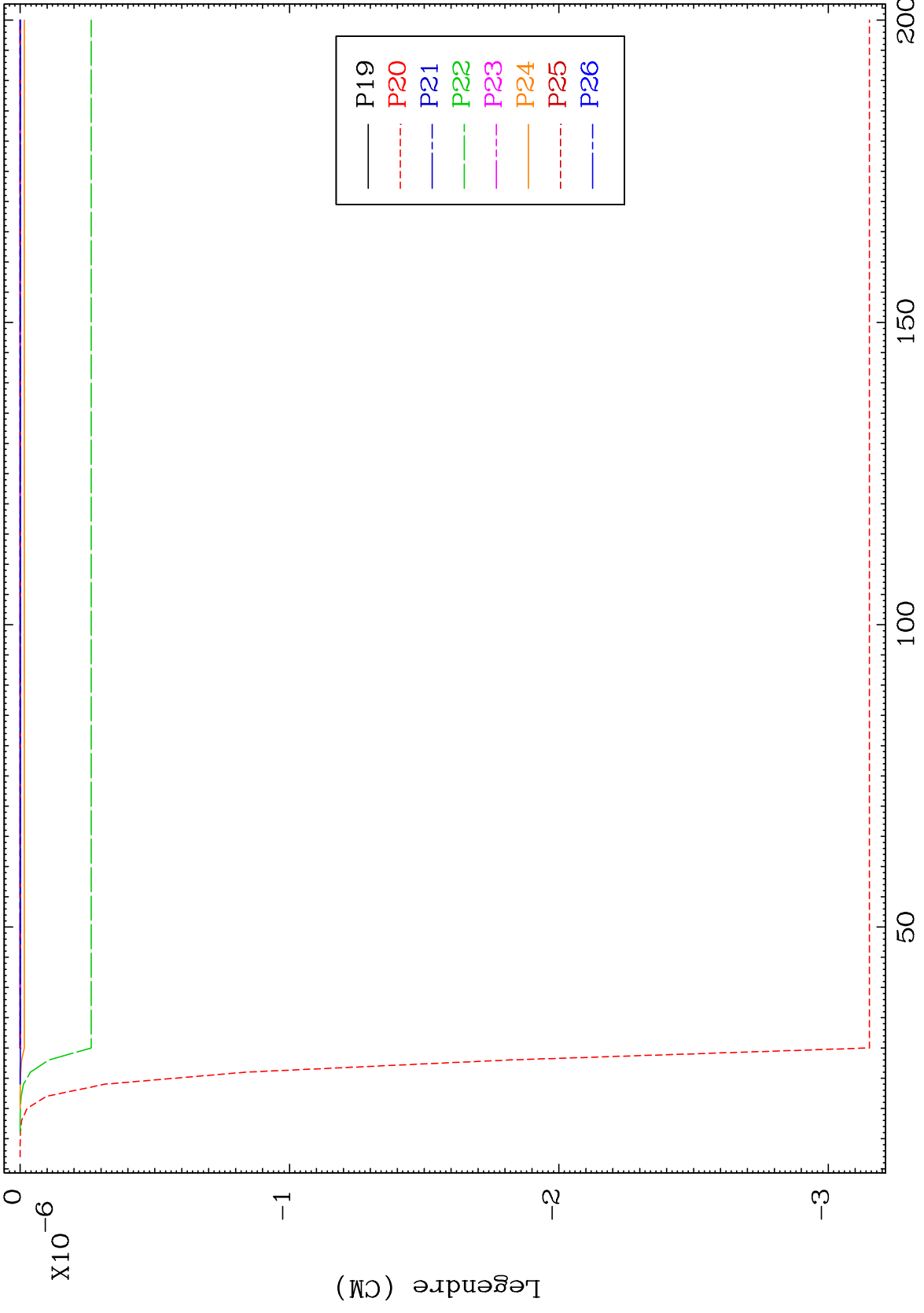
70-Yb-175



70-Yb-175

Incident Energy (MeV)

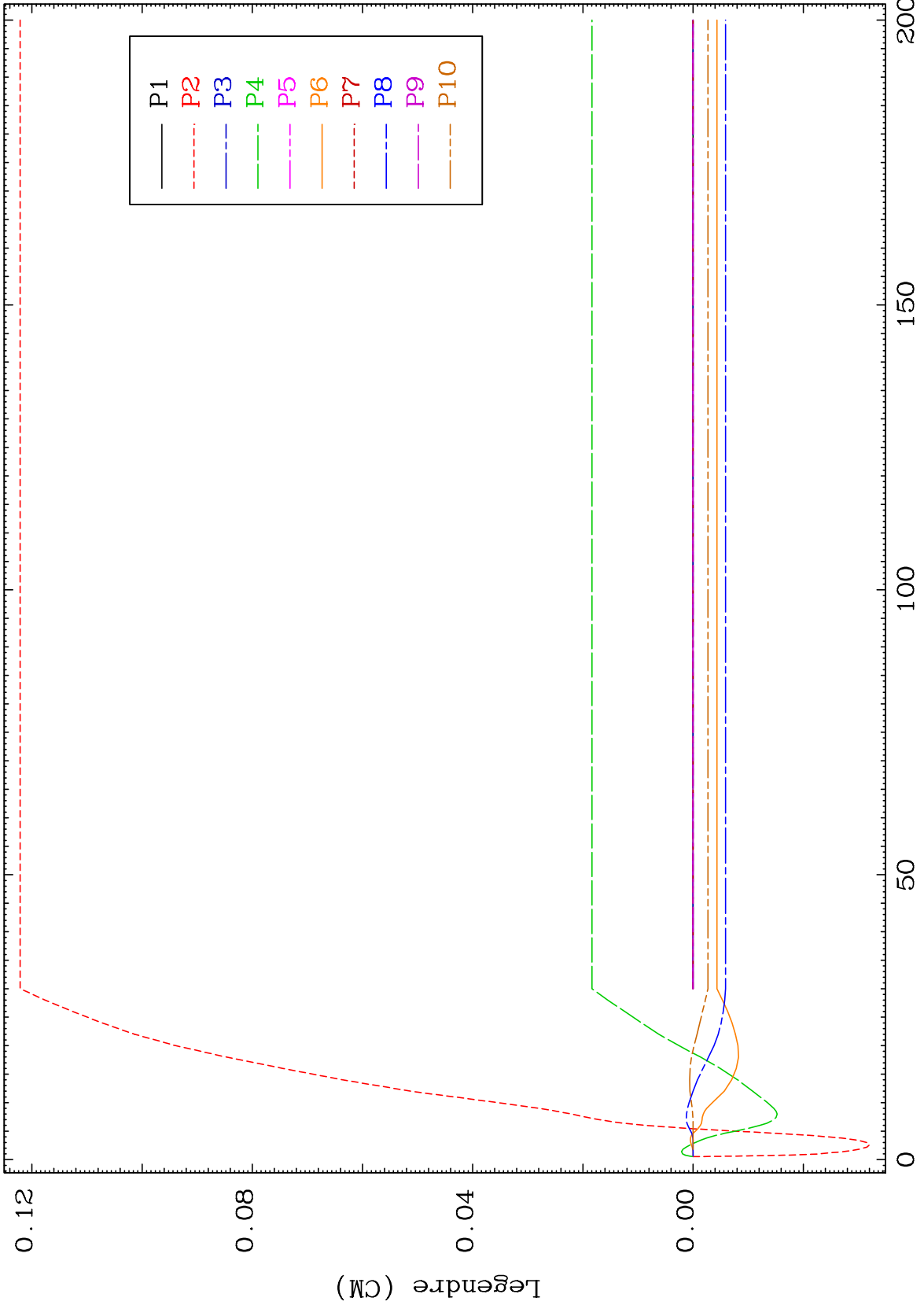
MAT 7046 MT= 56 (n,n') Level Legendre Coefficients 70-Yb-175



MAT 7046 MT= 57 (n,n') Level Legendre Coefficients

70-Yb-175

70-Yb-175

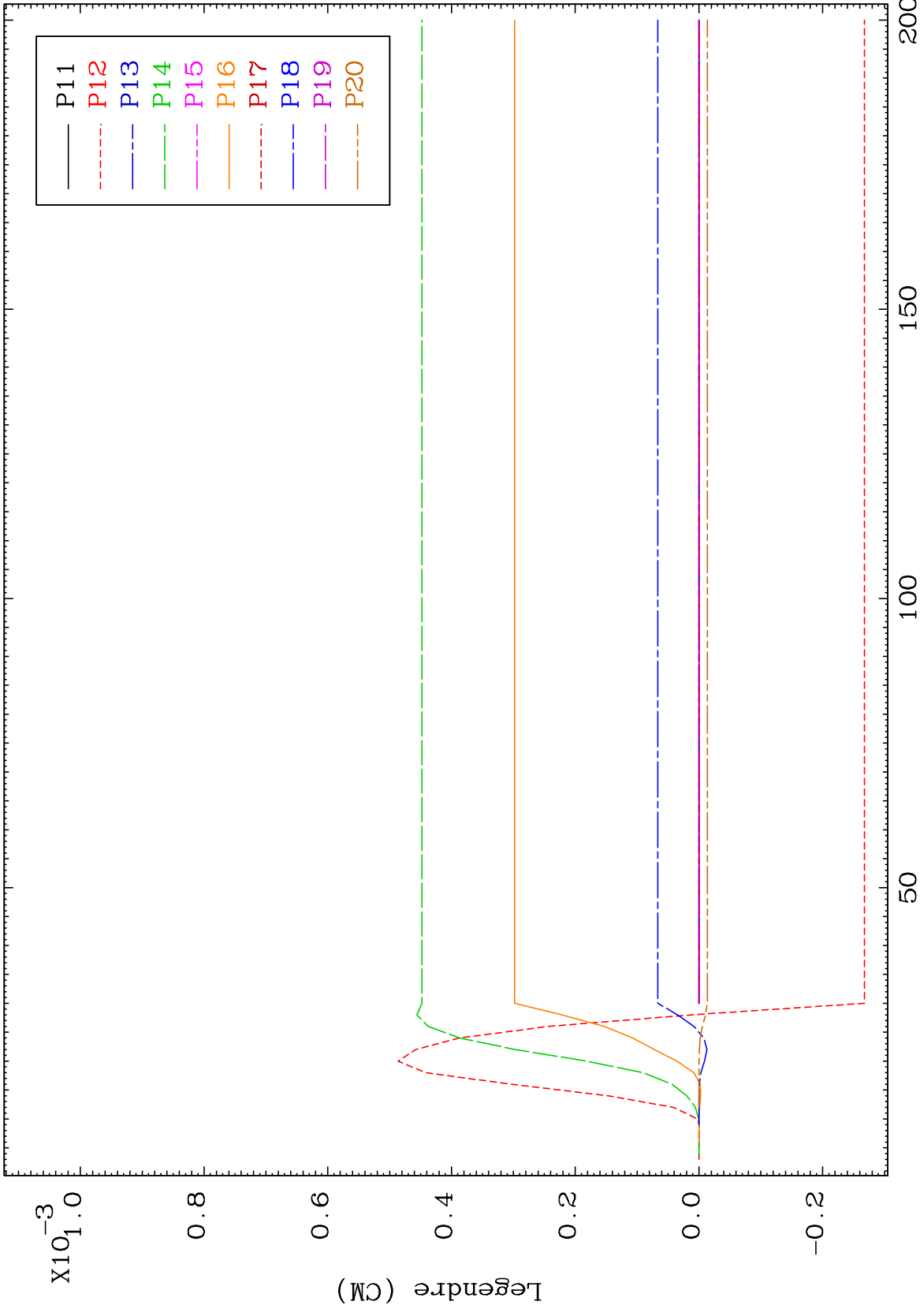


42

MAT 7046

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

70-Yb-175

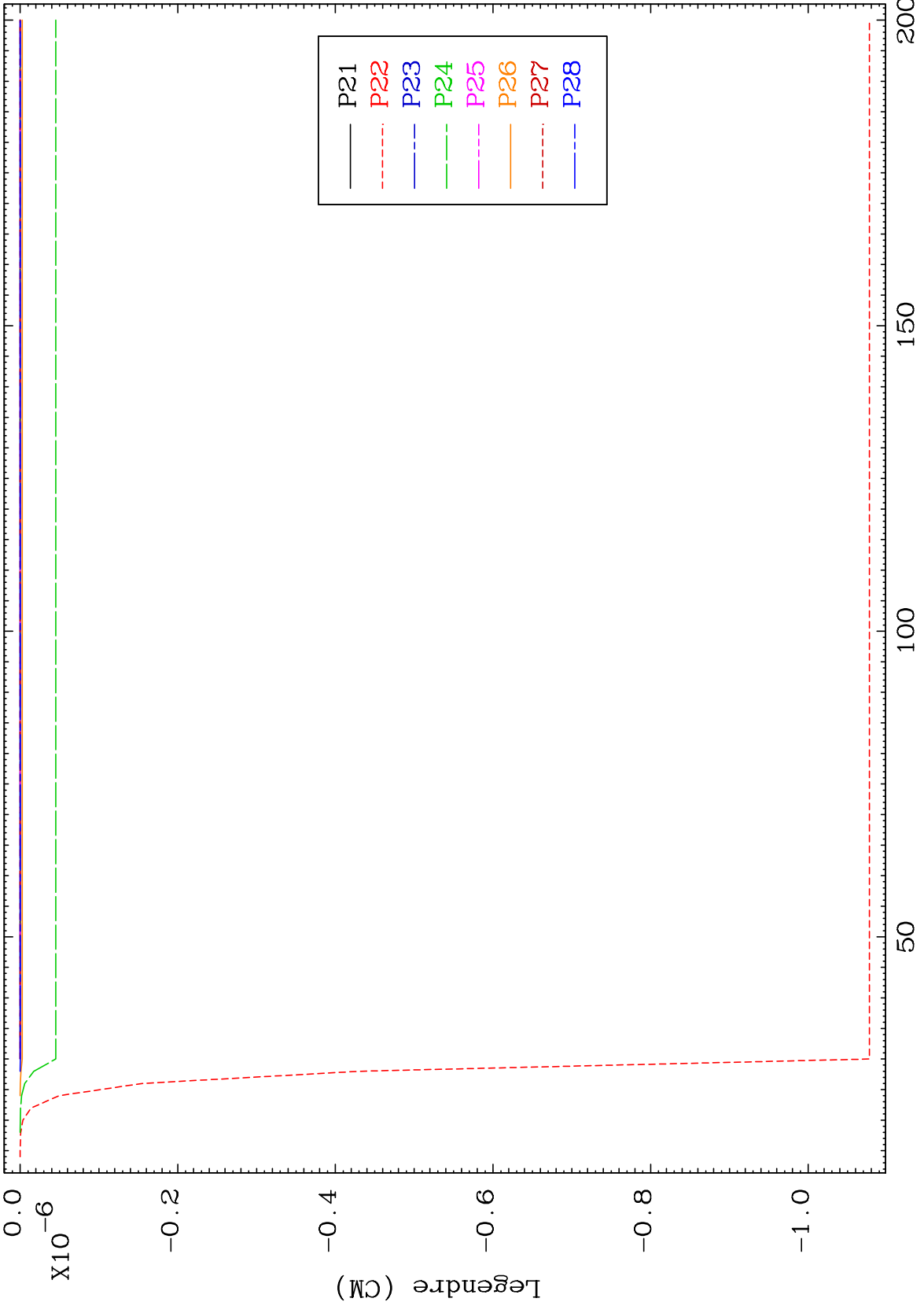


43

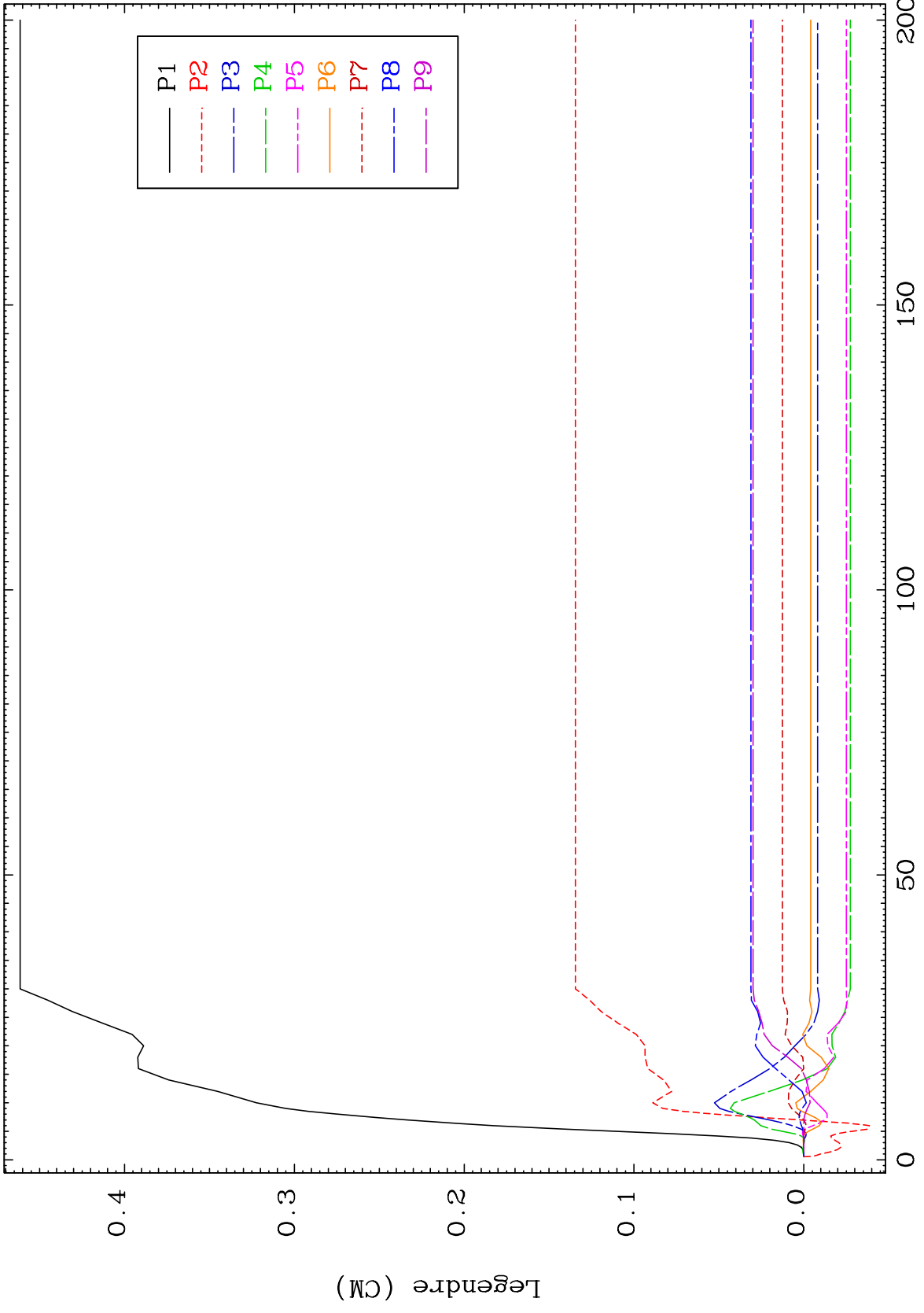
Incident Energy (MeV)

70-Yb-175

MAT 7046 MT= 57 (n,n') Level Legendre Coefficients 70-Yb-175



MAT 7046 MT= 58 (n,n') Level Legendre Coefficients 70-Yb-175

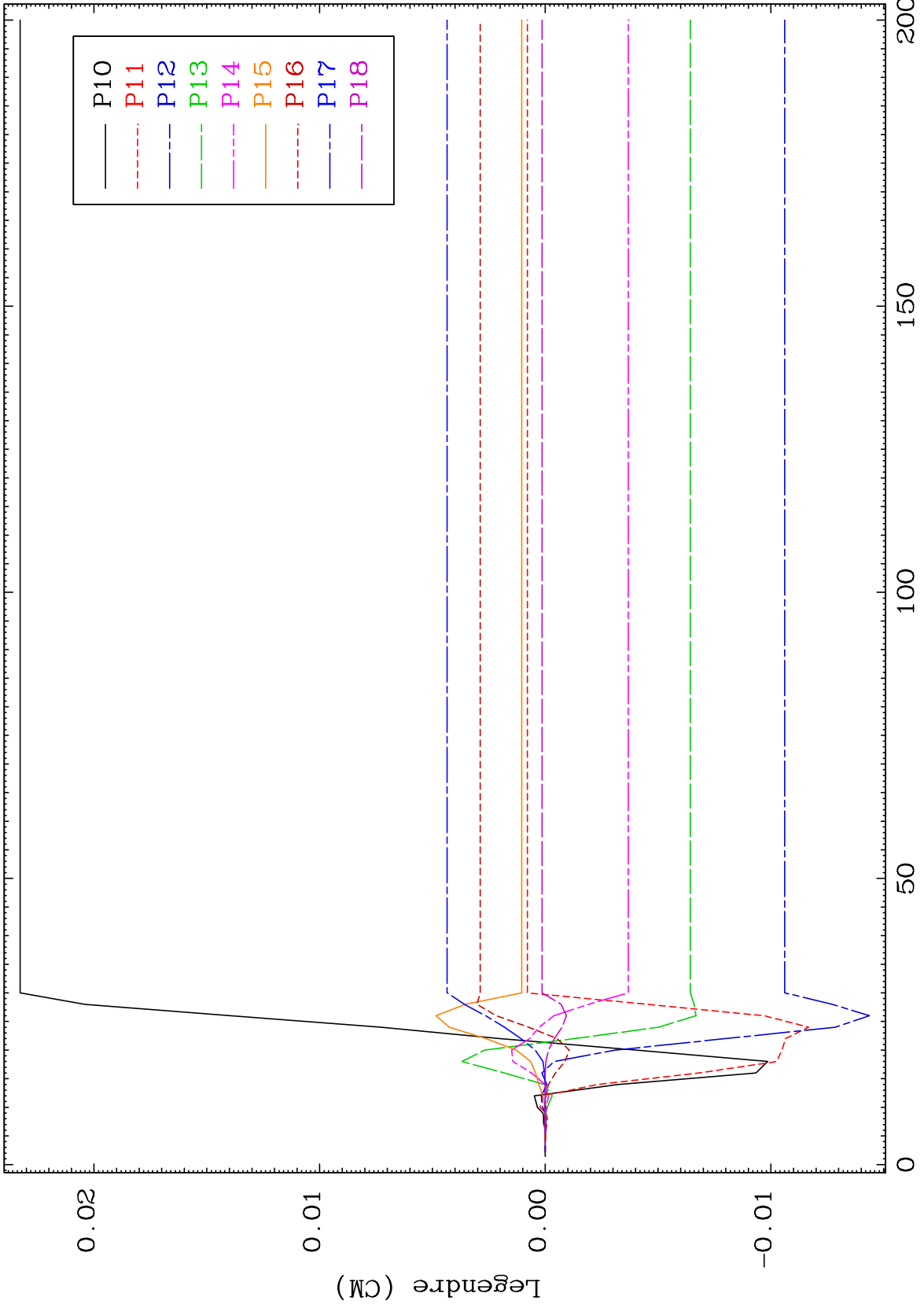


45 Incident Energy (MeV) 70-Yb-175

MAT 7046

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

70-Yb-175



46

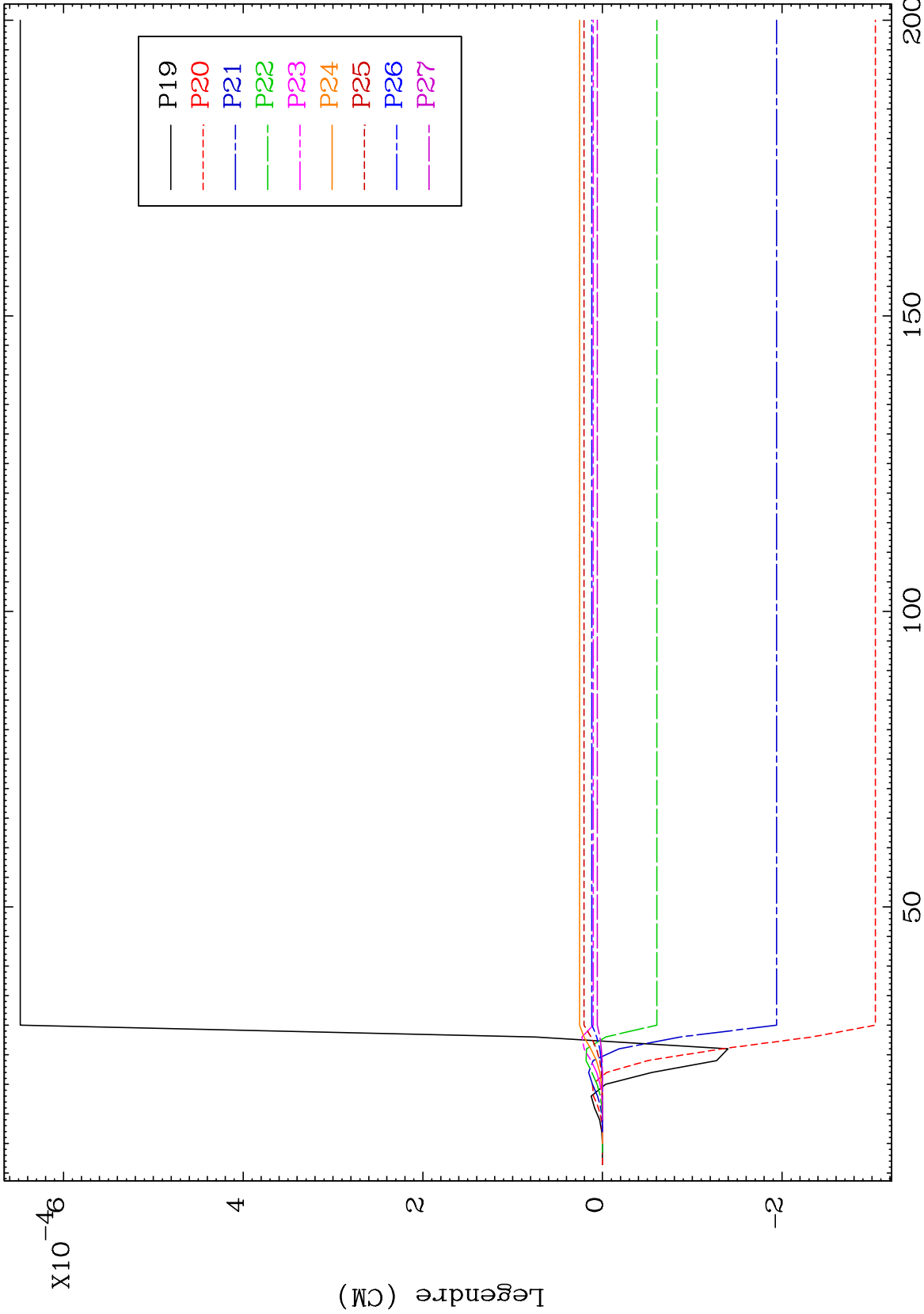
Incident Energy (MeV)

70-Yb-175

MAT 7046

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

70-Yb-175



47

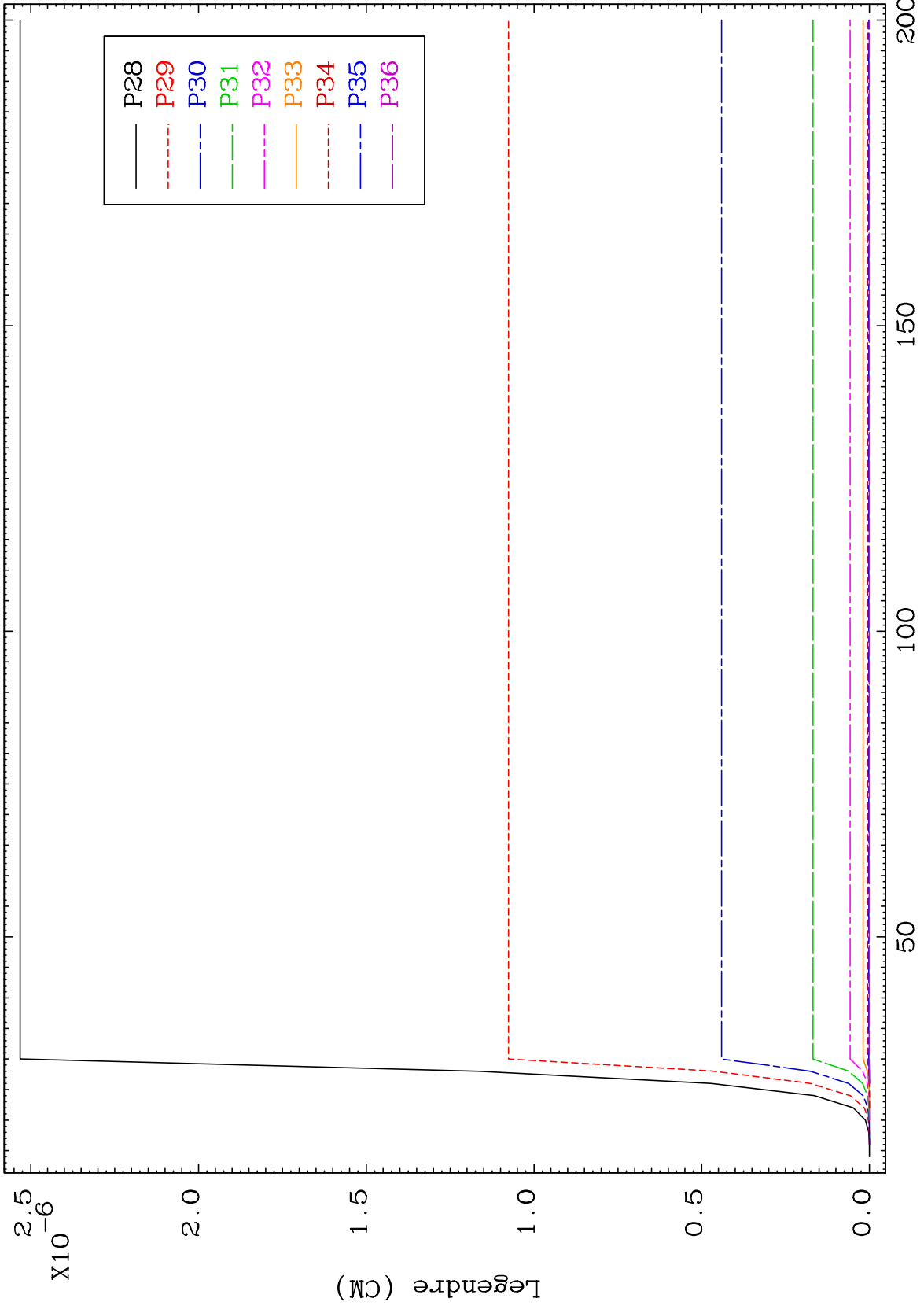
Incident Energy (MeV)

70-Yb-175

MAT 7046

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

70-Yb-175



48

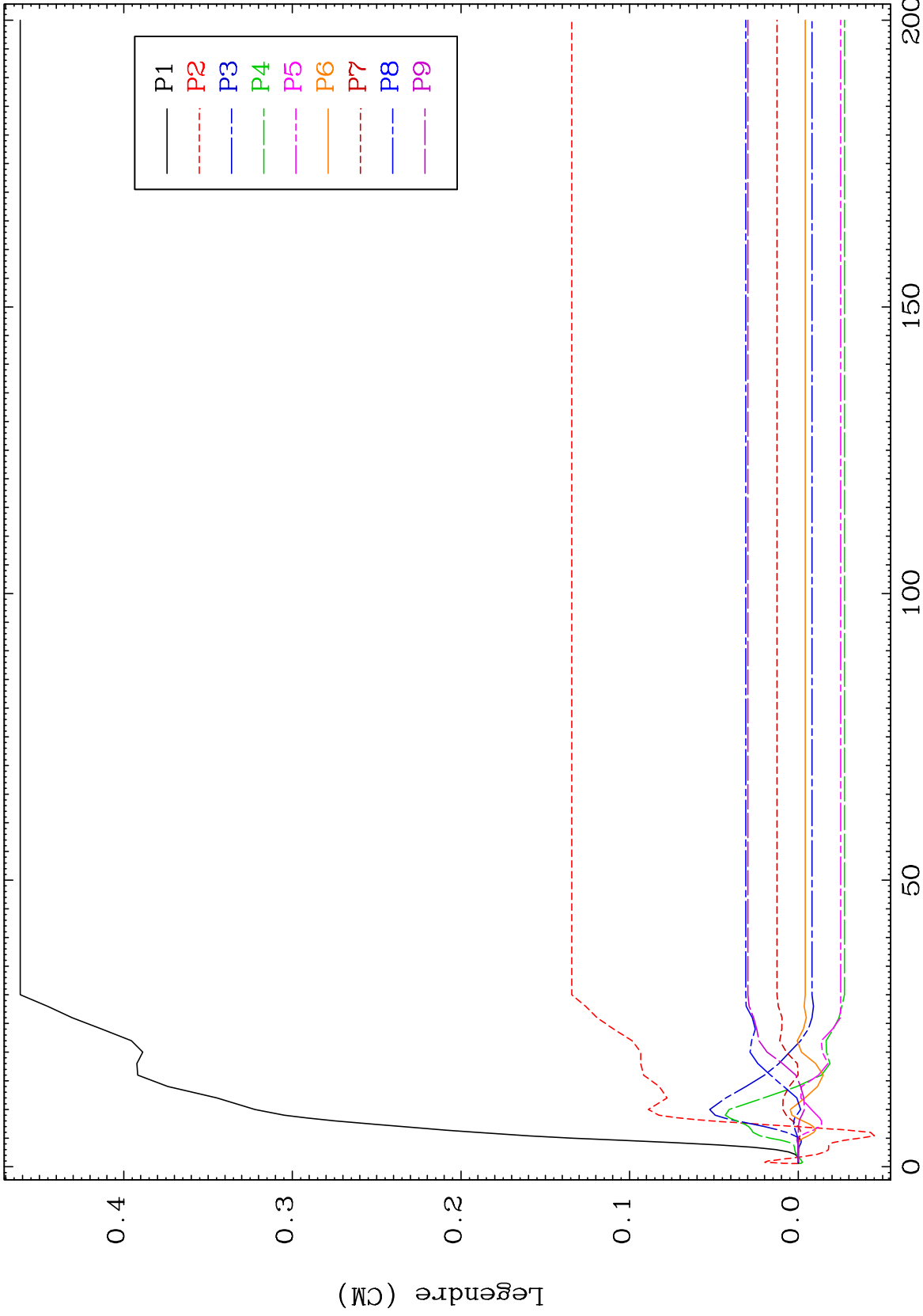
Incident Energy (MeV)

70-Yb-175

MAT 7046

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

70-Yb-175



49

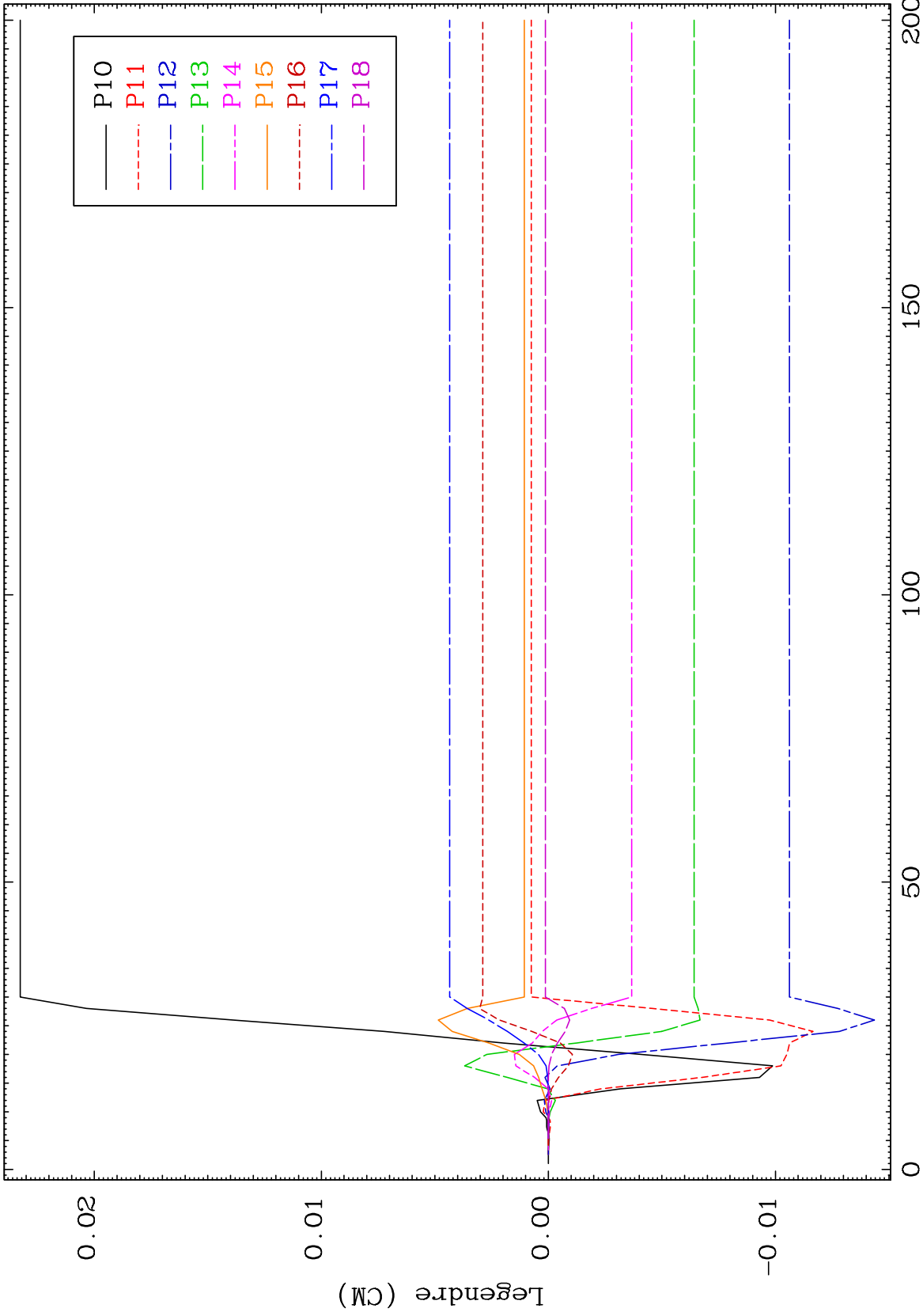
Incident Energy (MeV)

70-Yb-175

MAT 7046

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

70-Yb-175



0

50

100

150

200

Incident Energy (MeV)

70-Yb-175

0.02

0.01

0.00

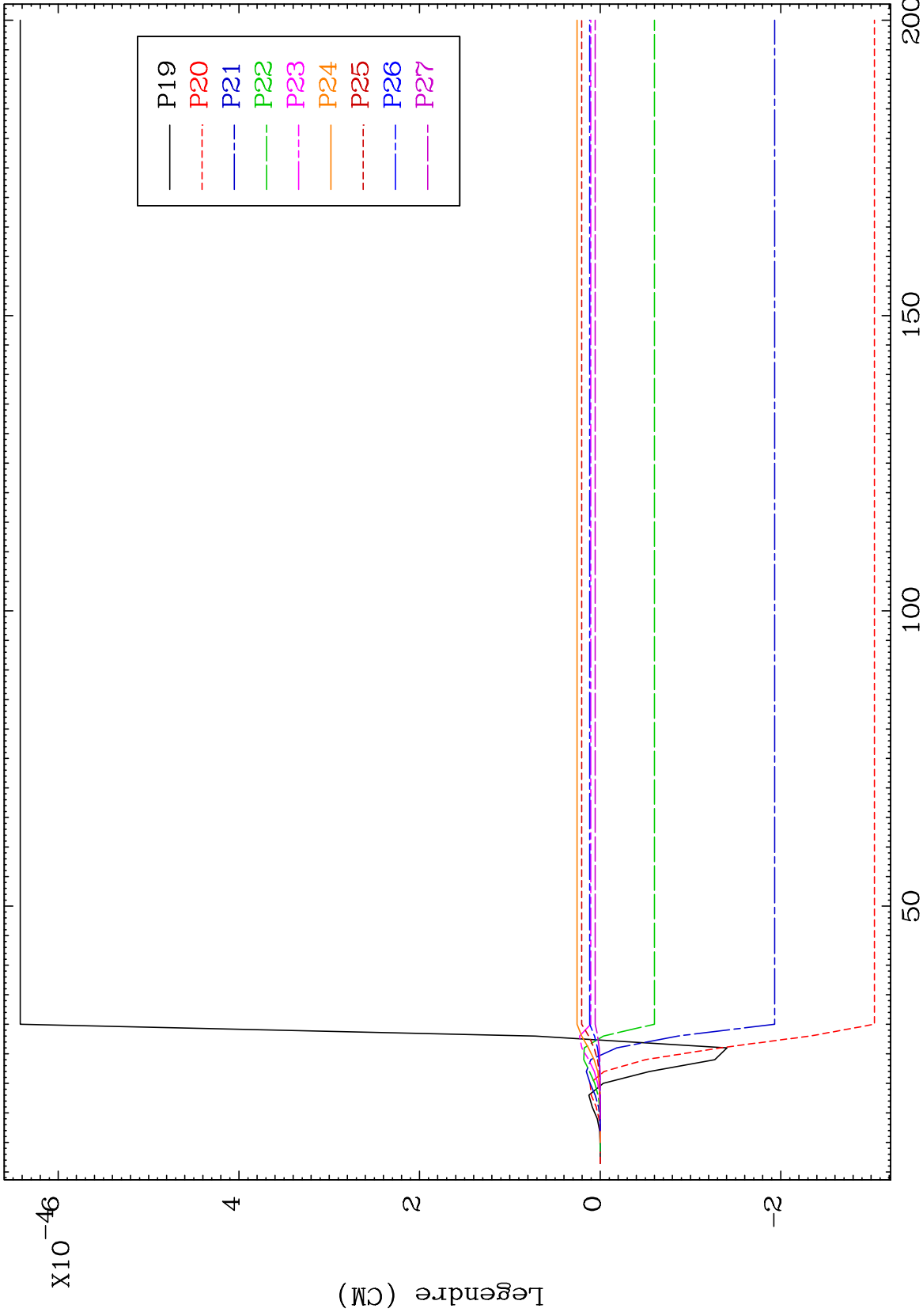
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Legendre (CM)

MAT 7046

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

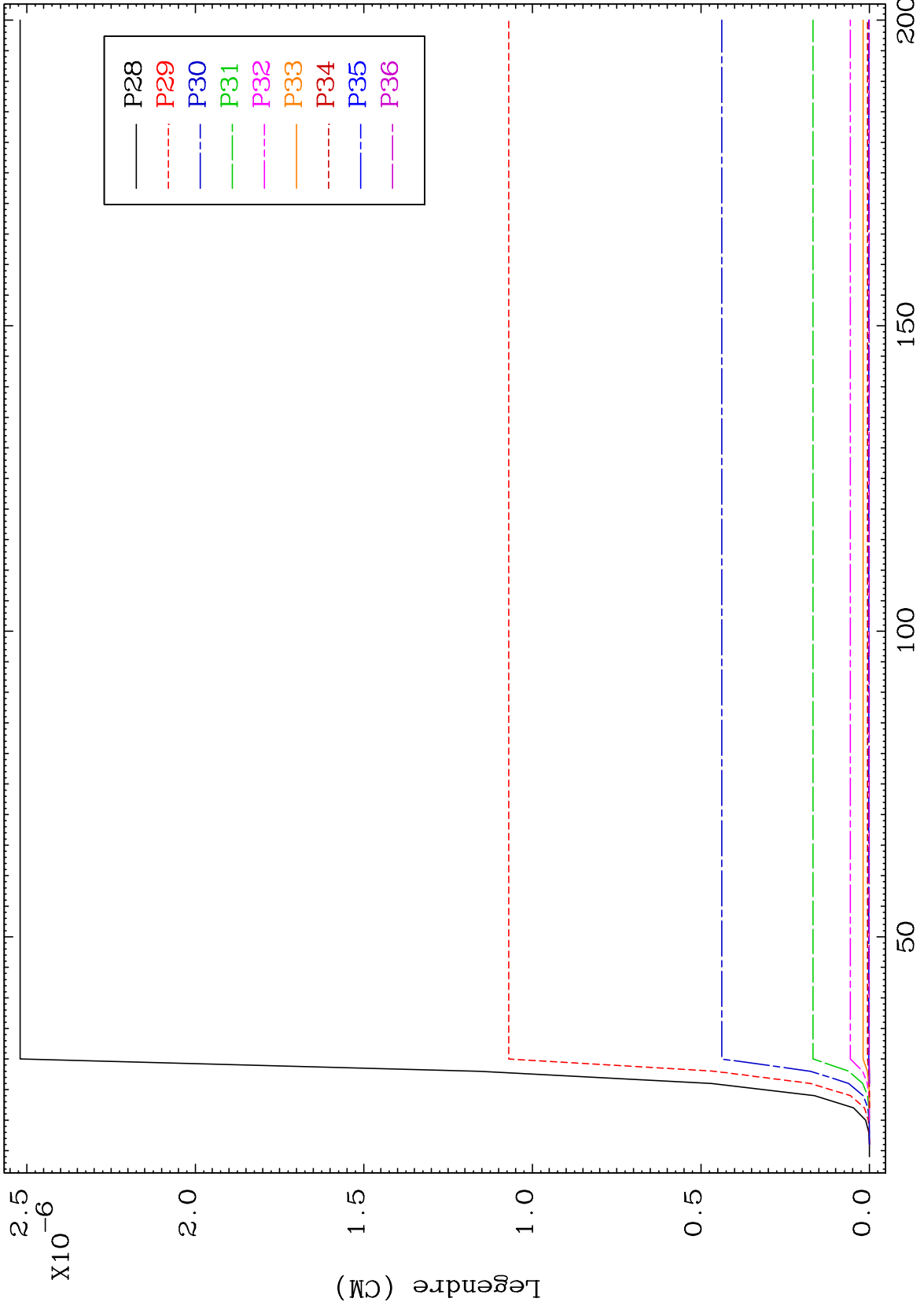
70-Yb-175



MAT 7046

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

70-Yb-175

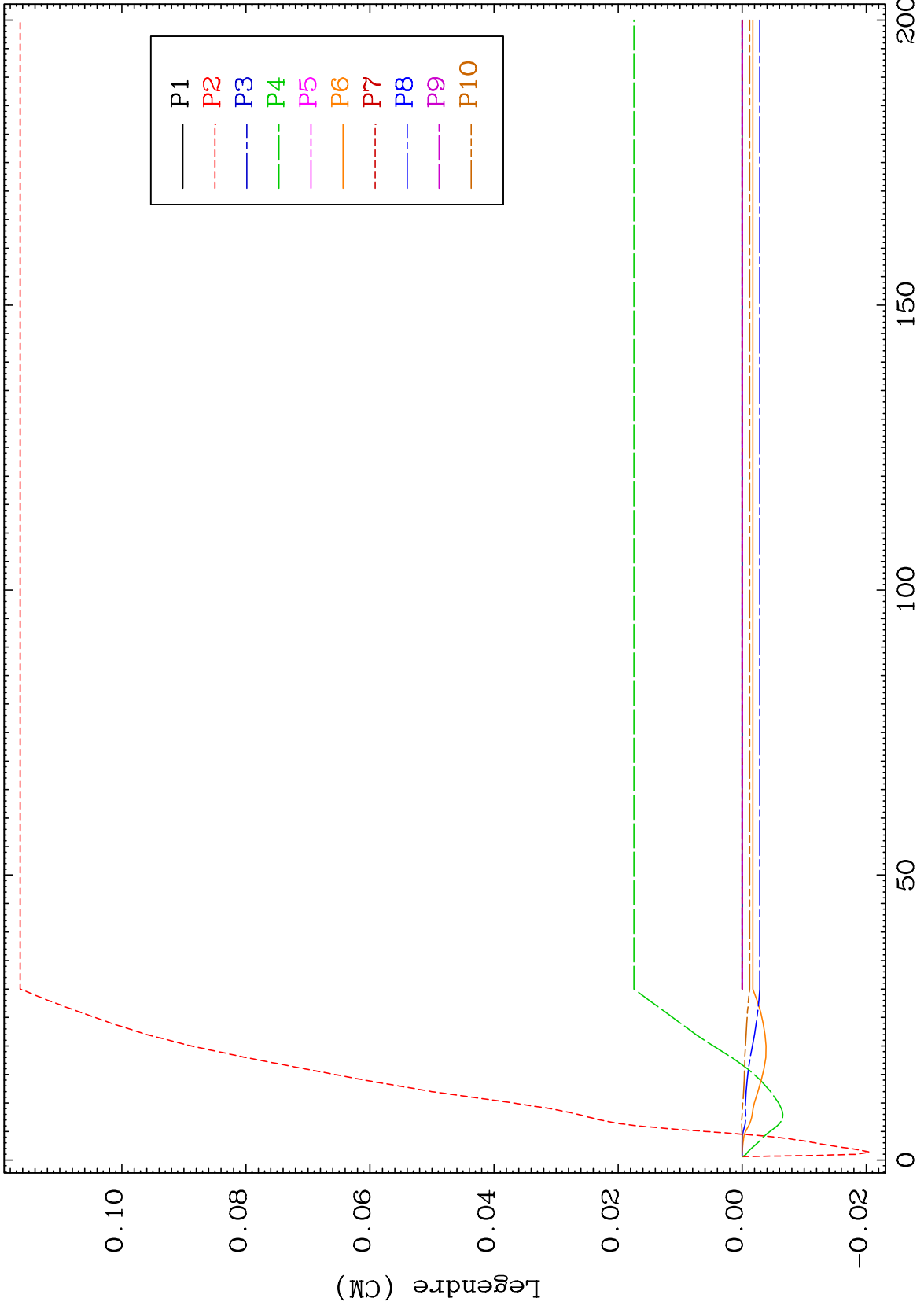


52

Incident Energy (MeV)

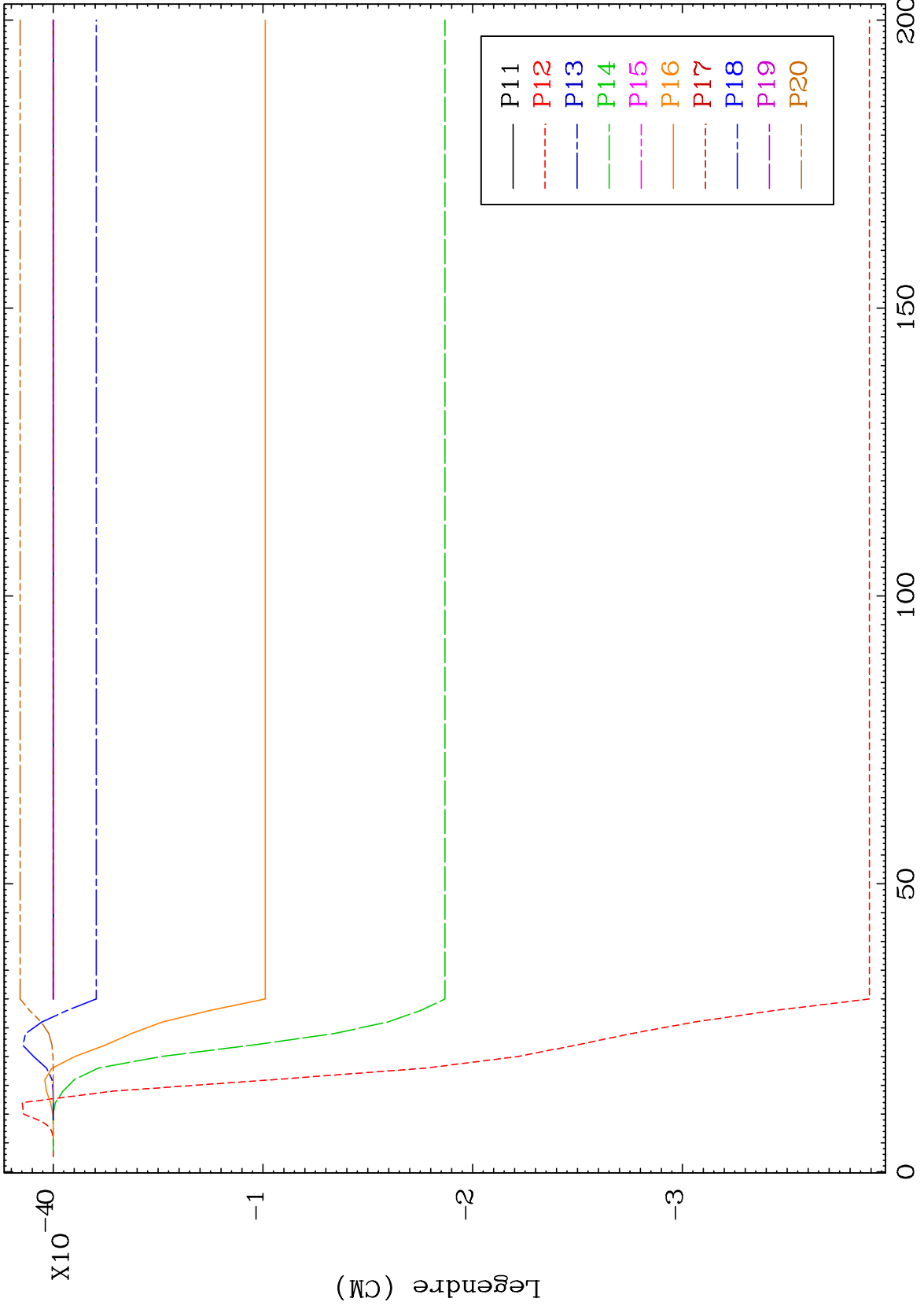
70-Yb-175

MAT 7046 MT= 60 (n,n') Level Legendre Coefficients 70-Yb-175



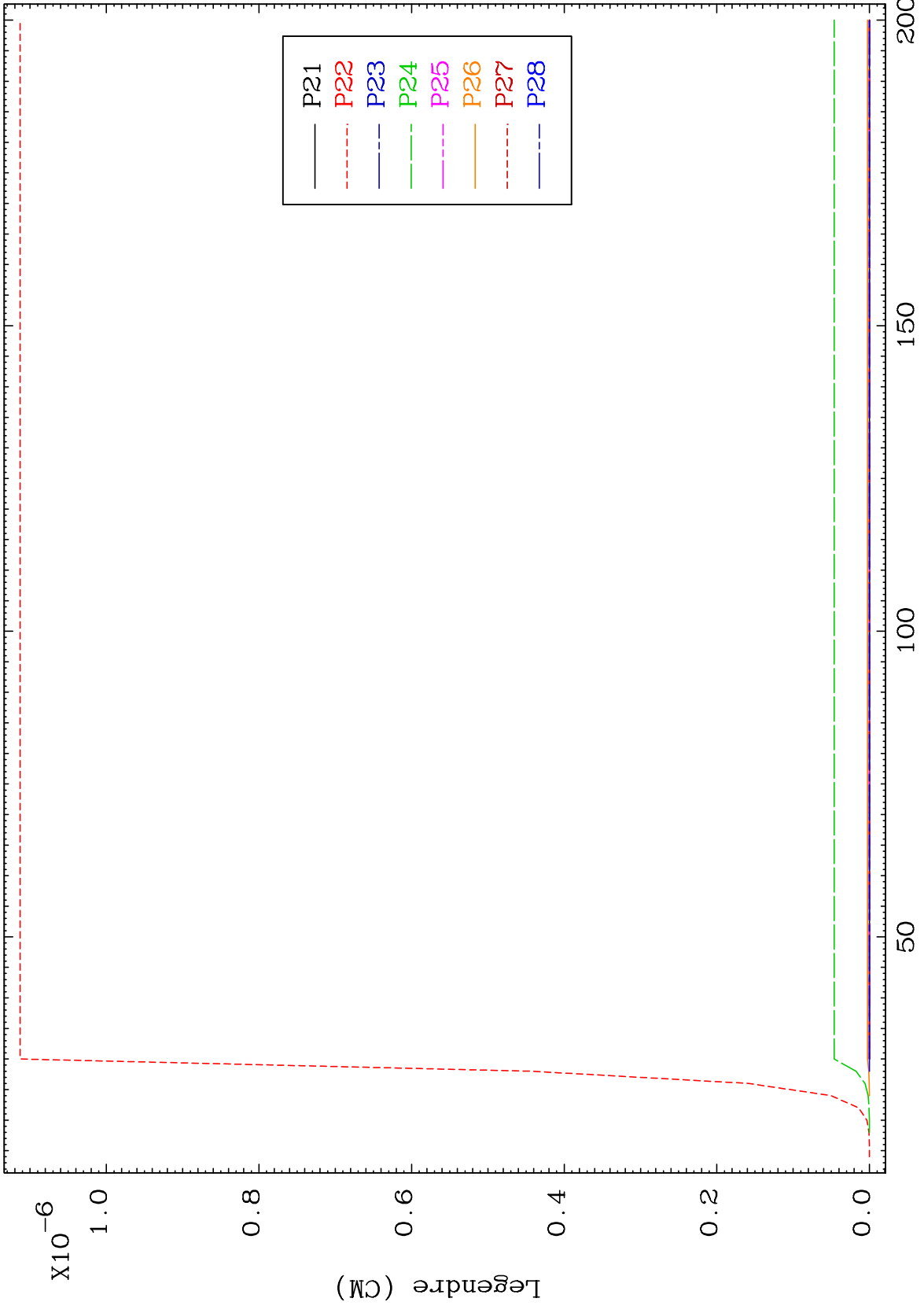
53 Incident Energy (MeV) 70-Yb-175

MAT 7046 MT= 60 (n,n') Level Legendre Coefficients 70-Yb-175



54 70-Yb-175

MAT 7046 MT= 60 (n,n') Level Legendre Coefficients 70-Yb-175

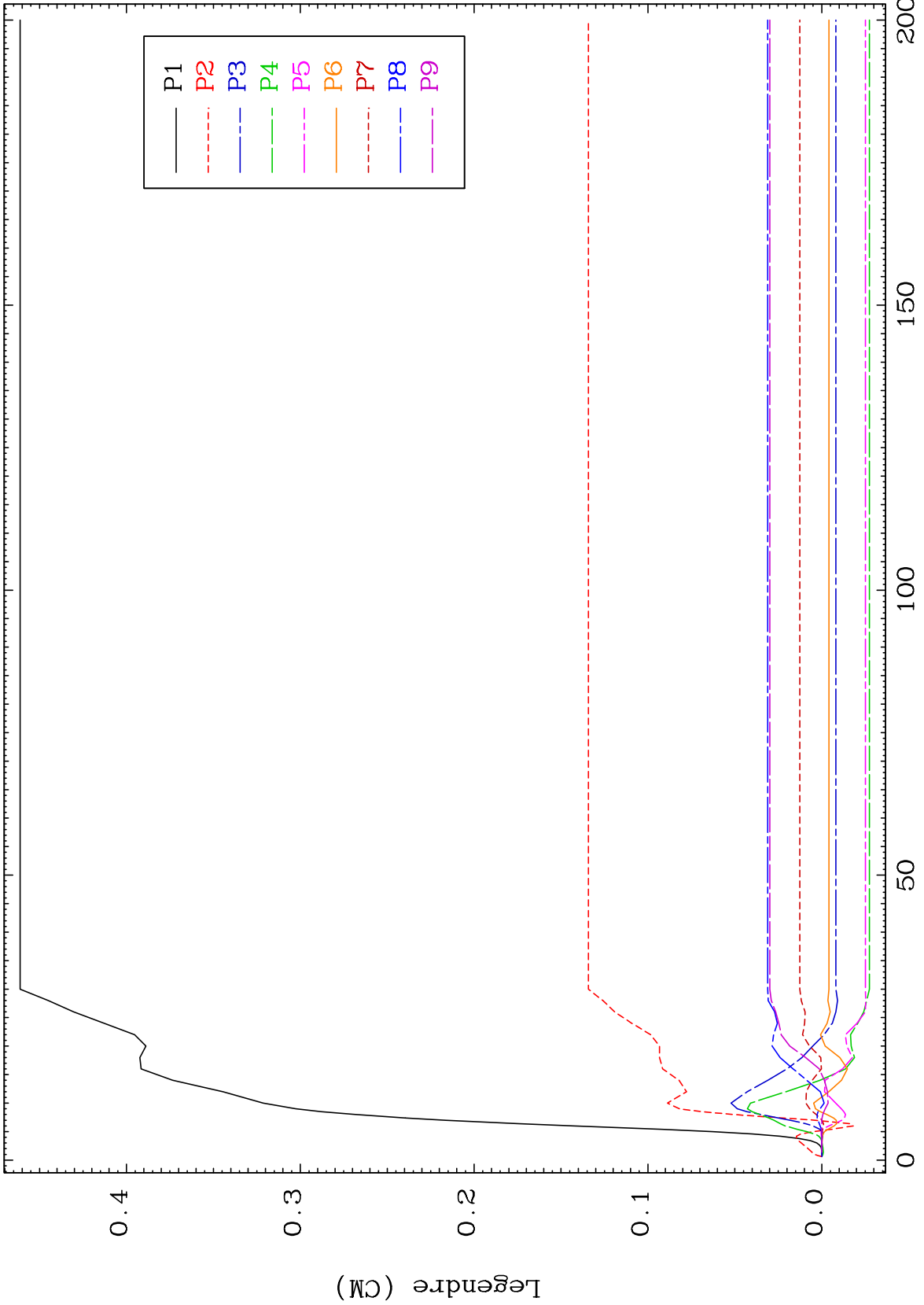


Incident Energy (MeV) 70-Yb-175

MAT 7046

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

70-Yb-175



56

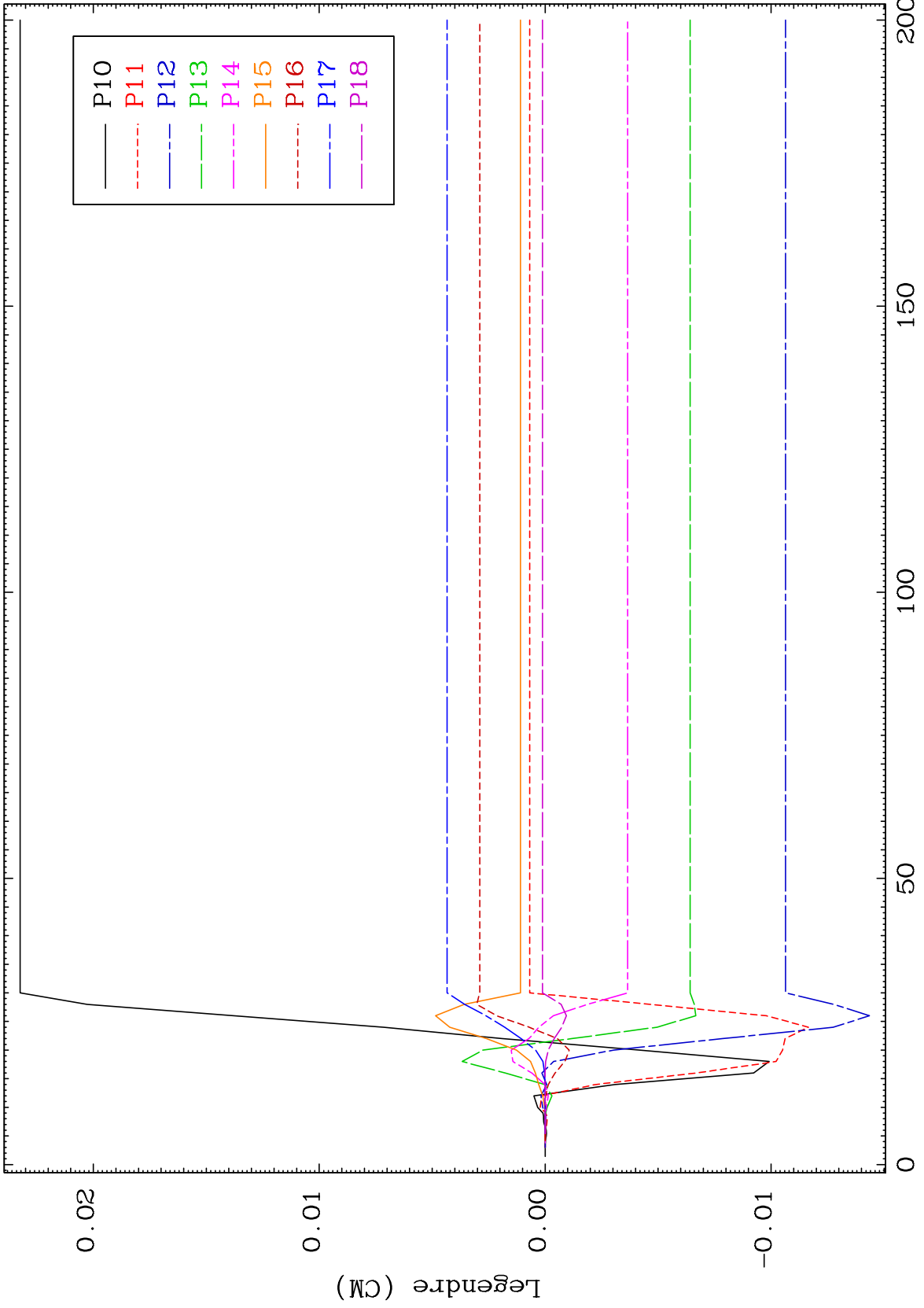
Incident Energy (MeV)

70-Yb-175

MAT 7046

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

70-Yb-175



57

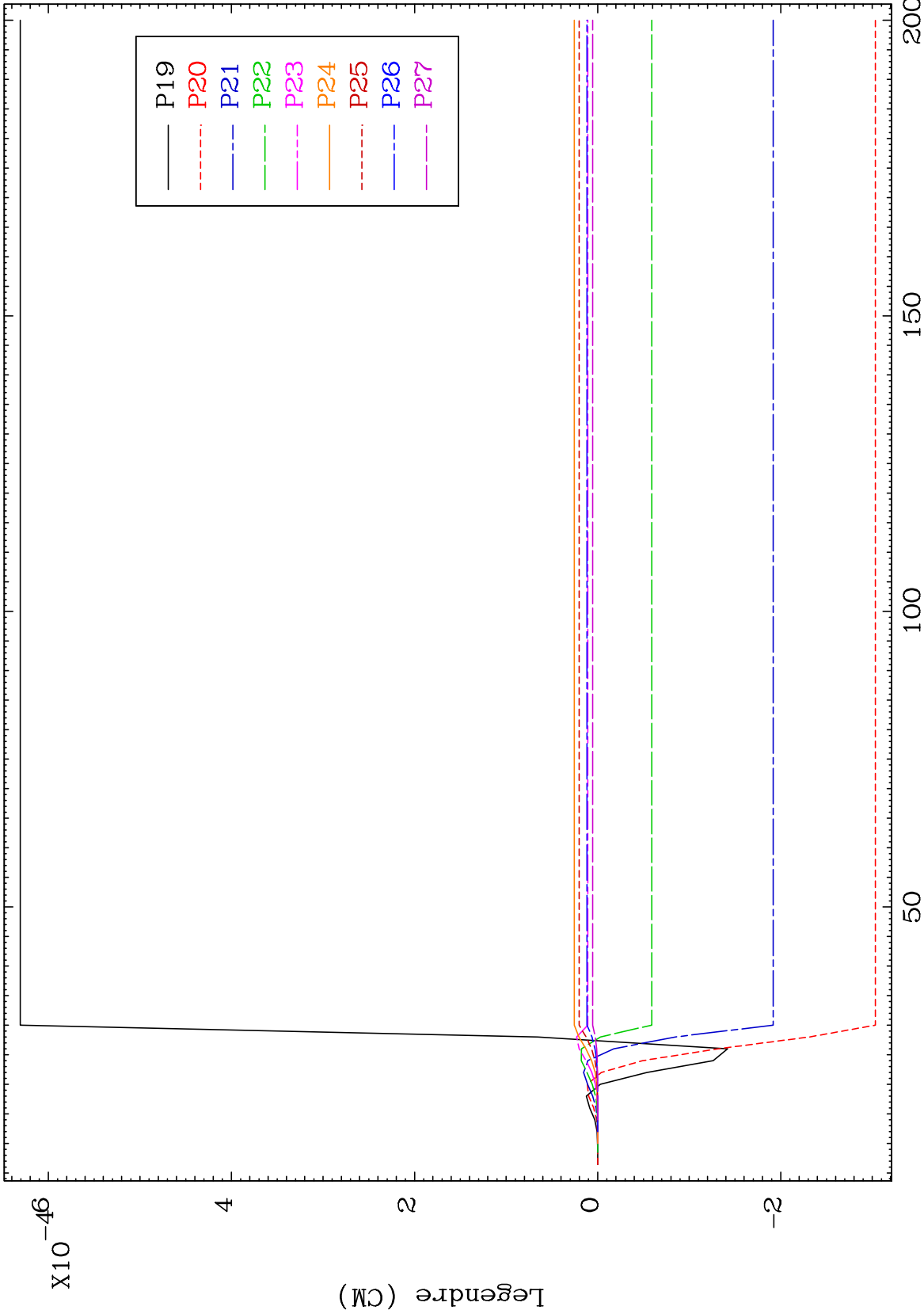
Incident Energy (MeV)

70-Yb-175

MAT 7046

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

70-Yb-175



58

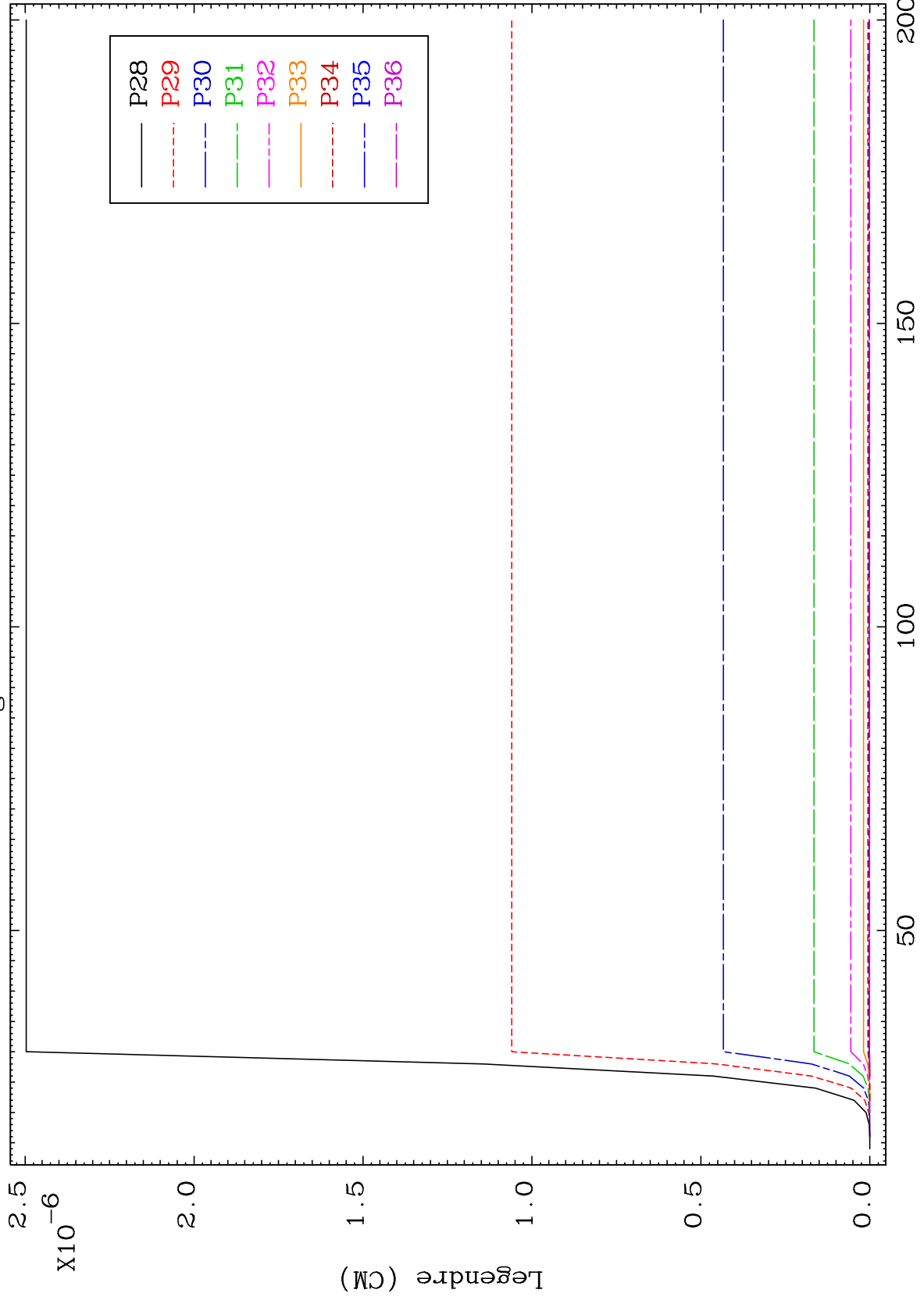
Incident Energy (MeV)

70-Yb-175

MAT 7046

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

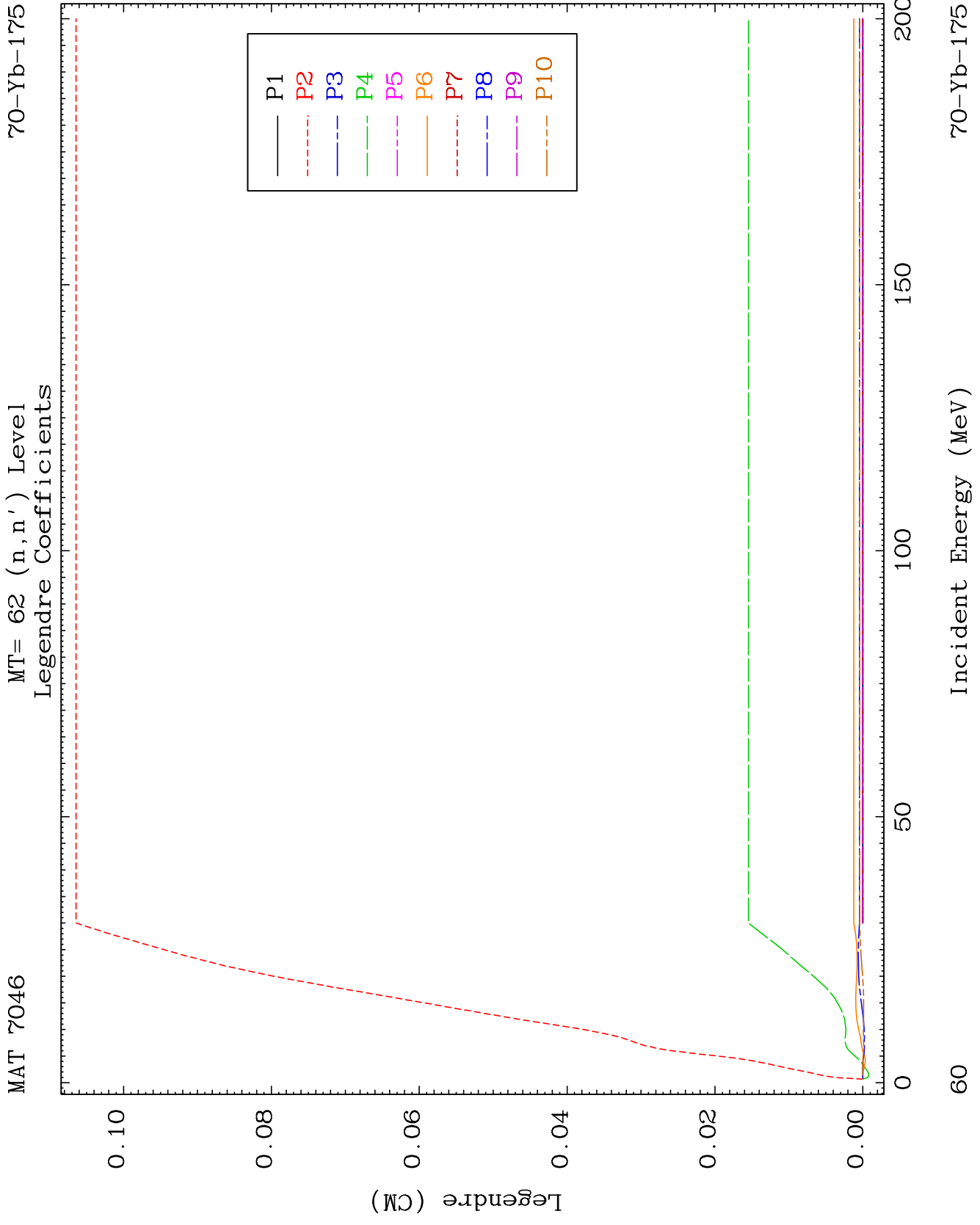
70-Yb-175



59

Incident Energy (MeV)

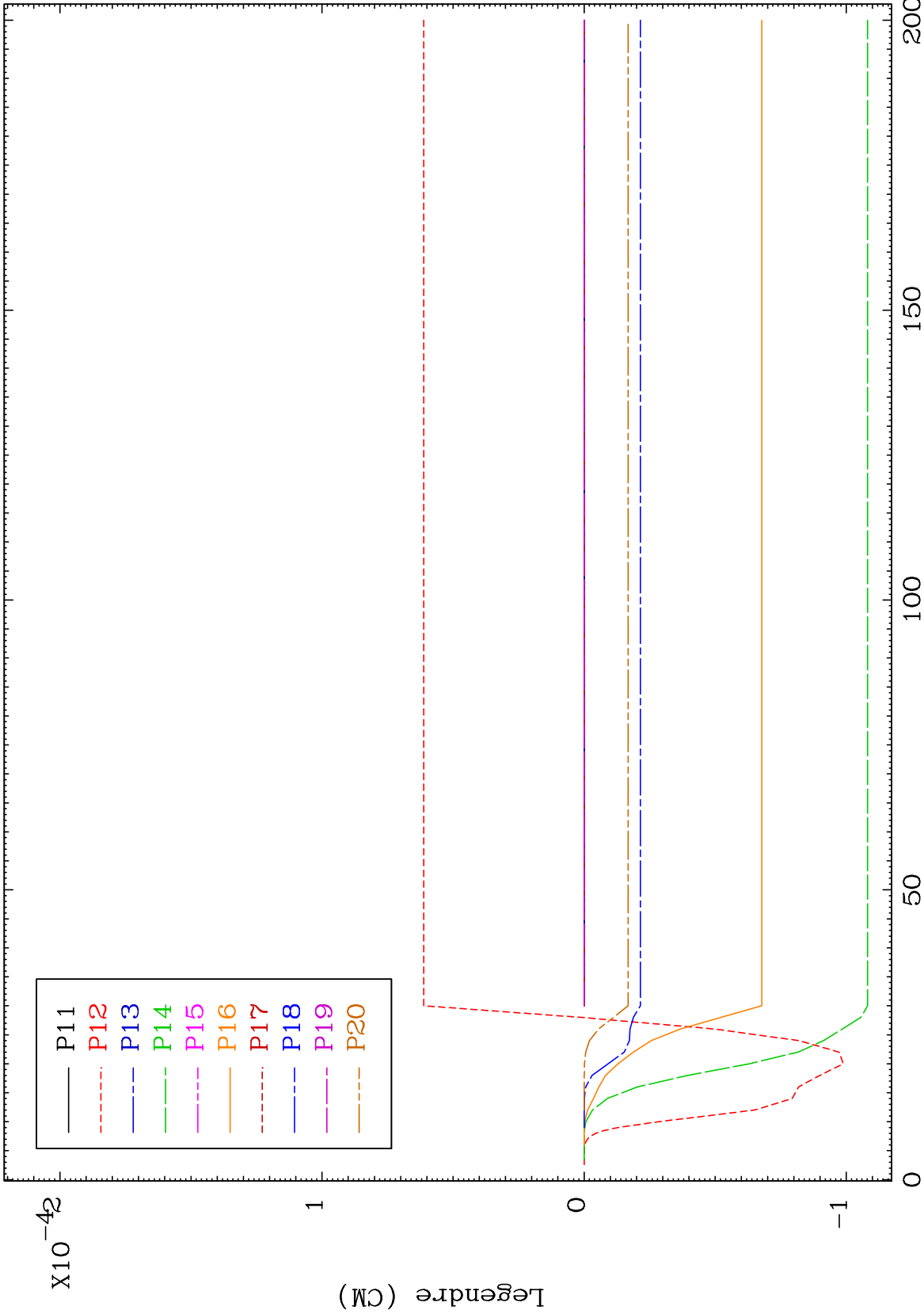
70-Yb-175



MAT 7046

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

70-Yb-175

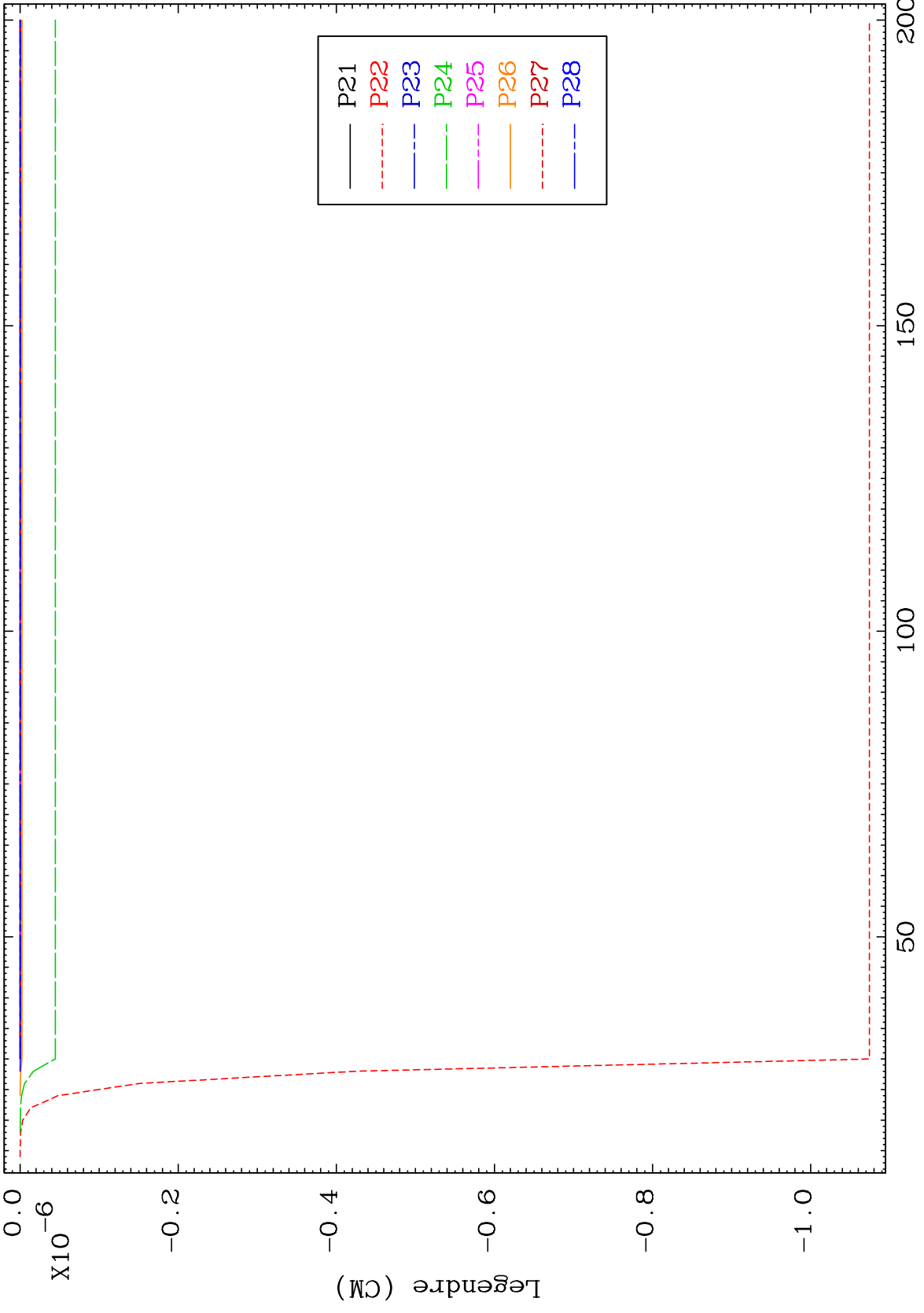


61

Incident Energy (MeV)

70-Yb-175

MAT 7046 MT= 62 (n,n') Level Legendre Coefficients 70-Yb-175

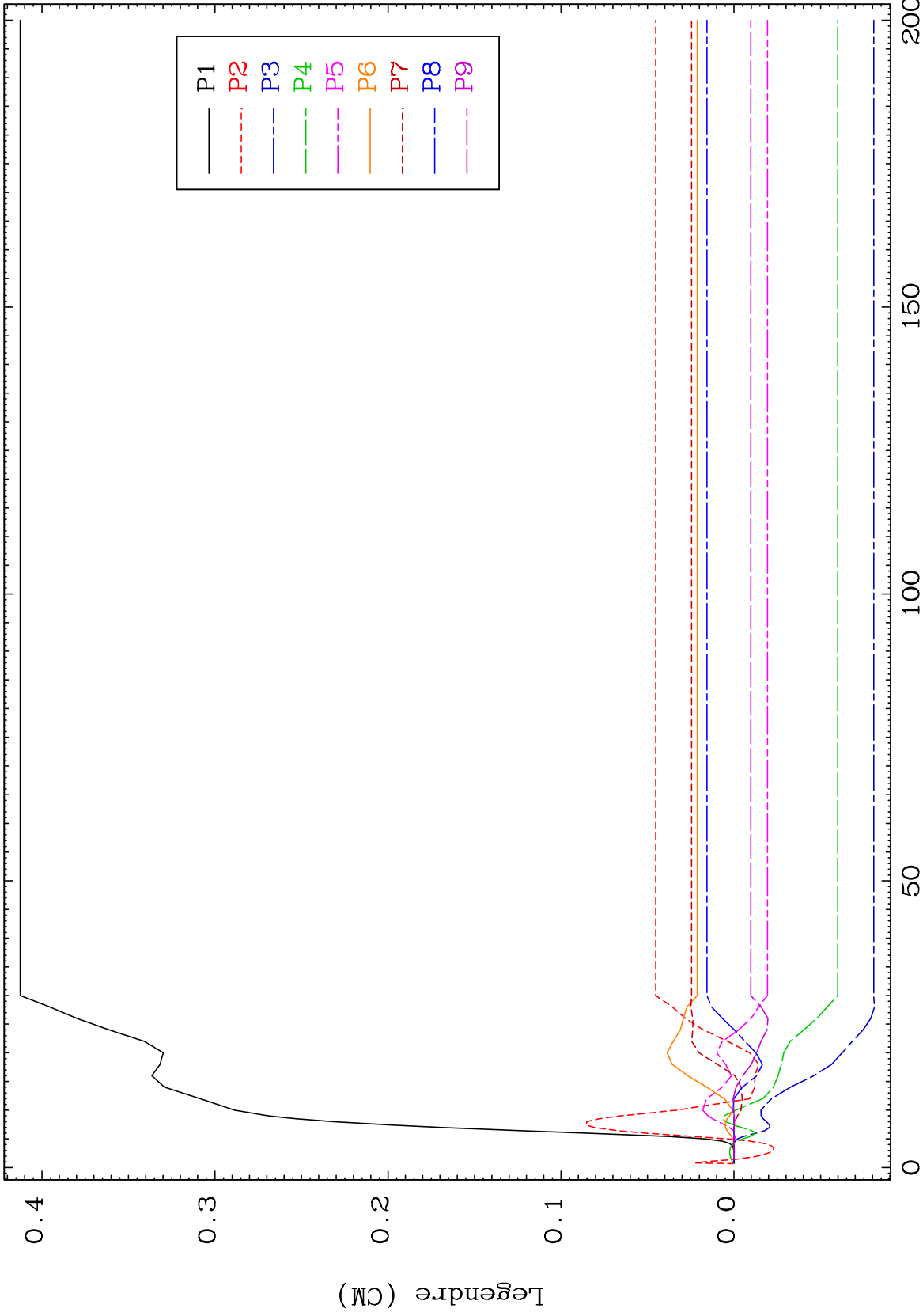


62 70-Yb-175

MAT 7046

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

70-Yb-175

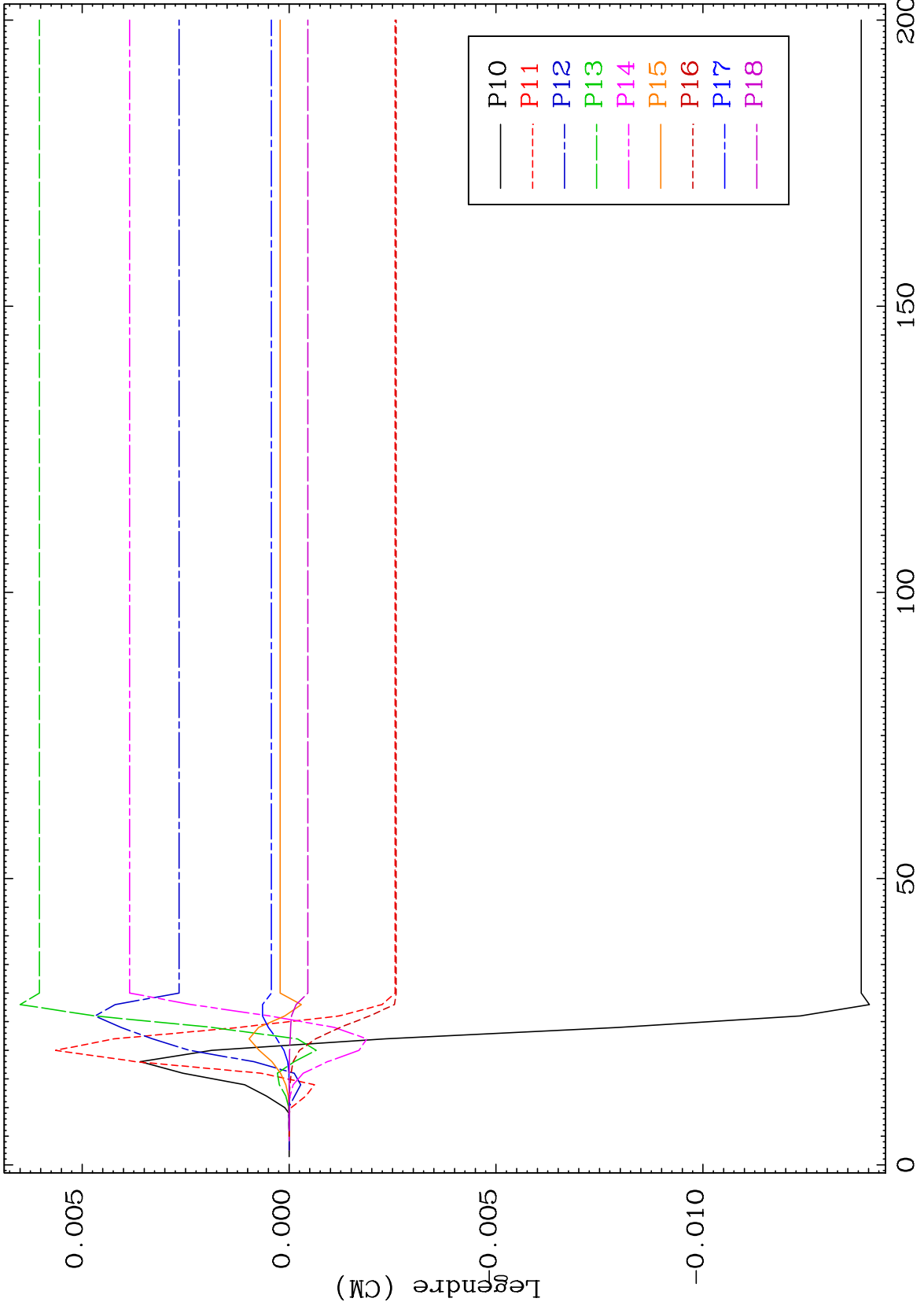


63

Incident Energy (MeV)

70-Yb-175

MAT 7046 MT= 63 (n,n') Level Legendre Coefficients 70-Yb-175

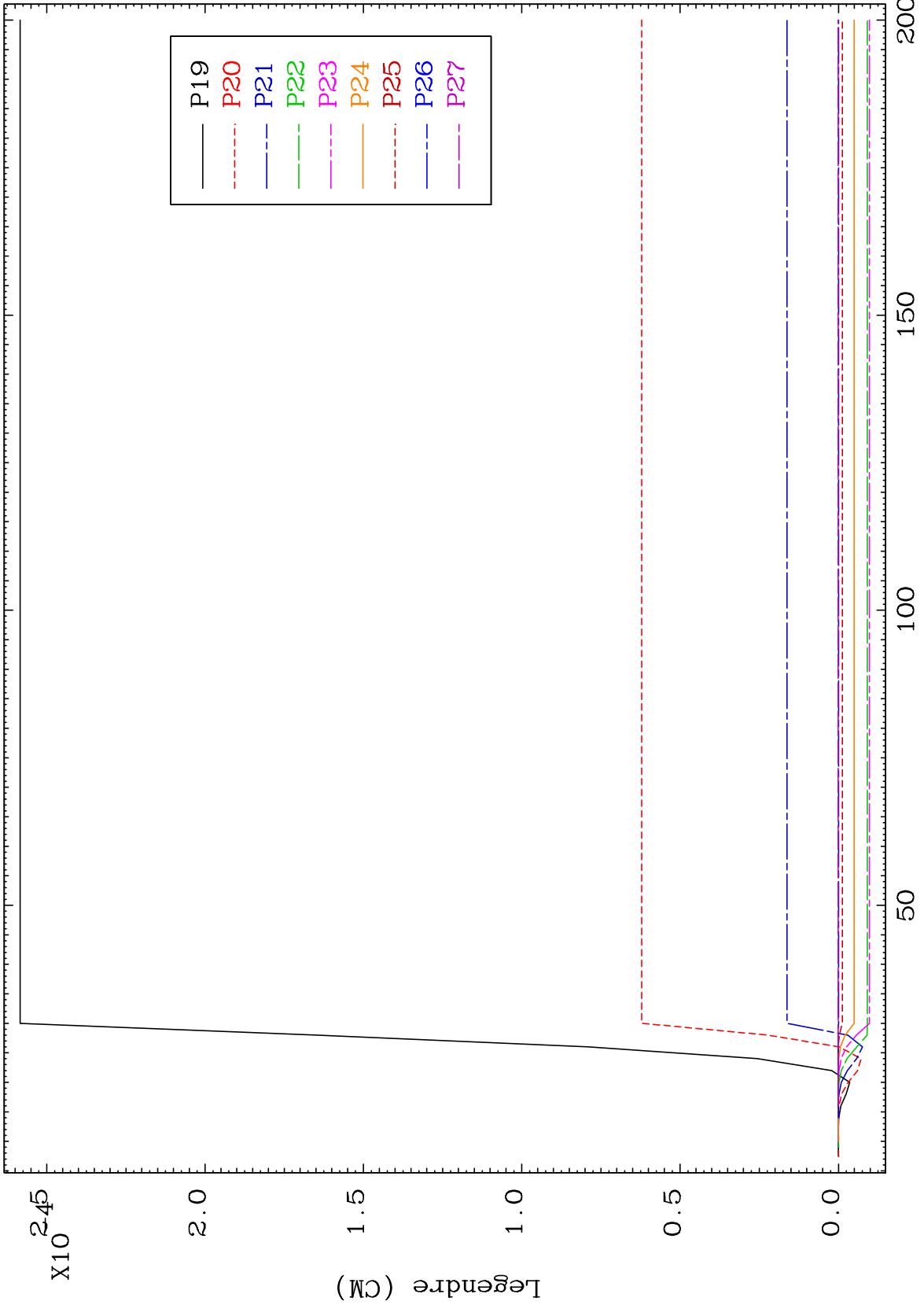


64 70-Yb-175

MAT 7046

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

70-Yb-175



65

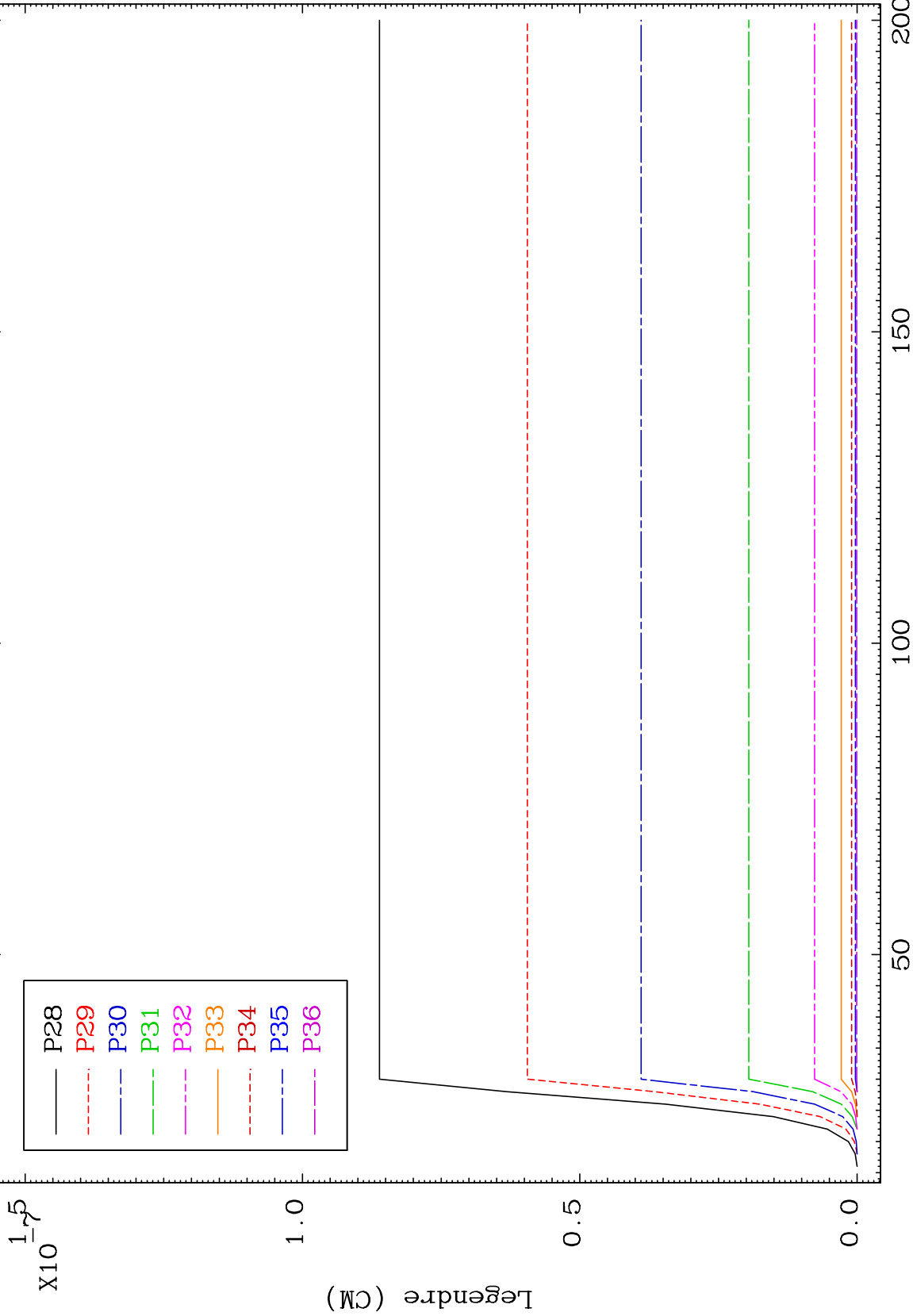
Incident Energy (MeV)

70-Yb-175

MAT 7046

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

70-Yb-175



66

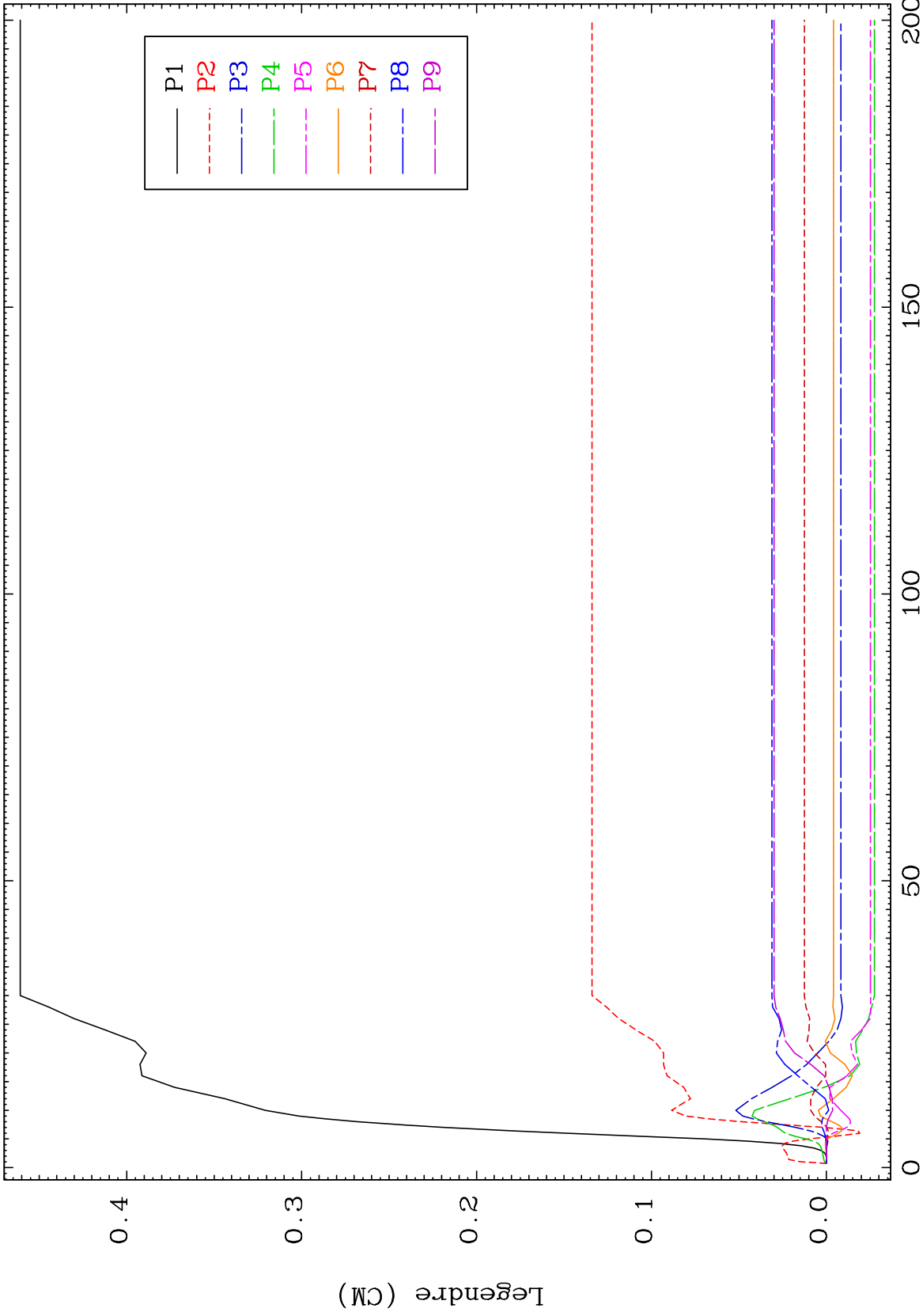
Incident Energy (MeV)

70-Yb-175

MAT 7046

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

70-Yb-175



67

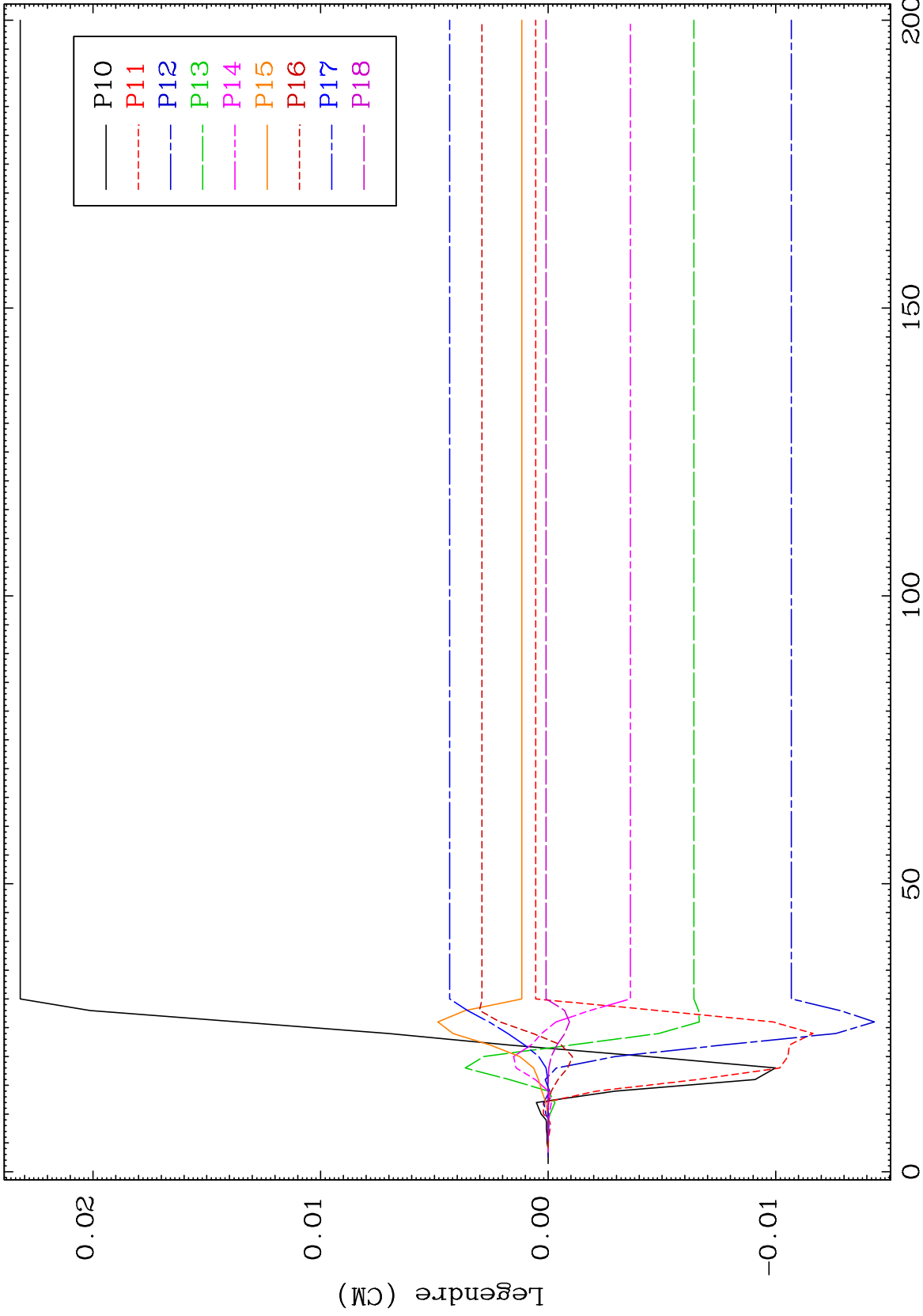
Incident Energy (MeV)

70-Yb-175

MAT 7046

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

70-Yb-175



68

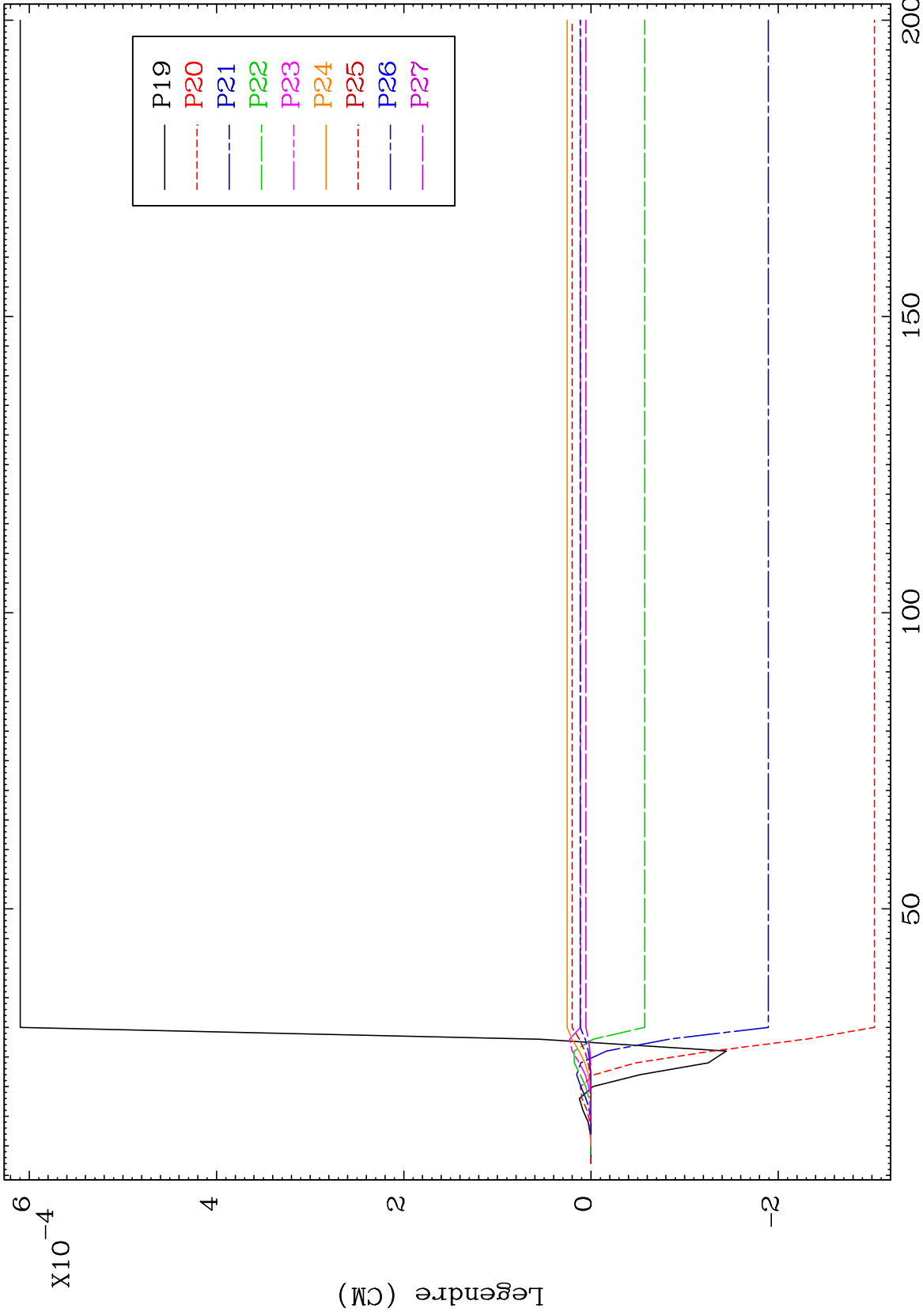
Incident Energy (MeV)

70-Yb-175

MAT 7046

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

70-Yb-175

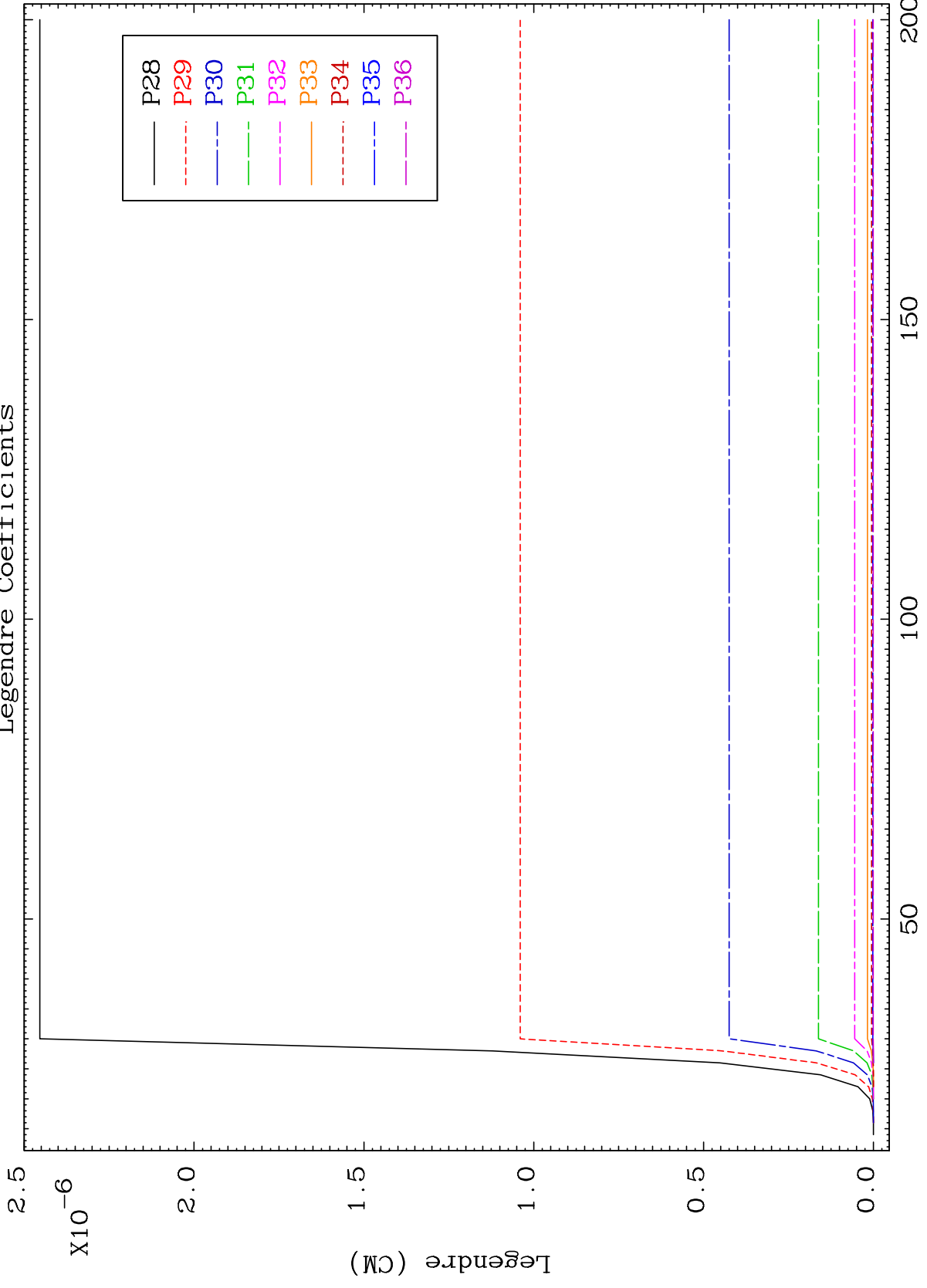


69

Incident Energy (MeV)

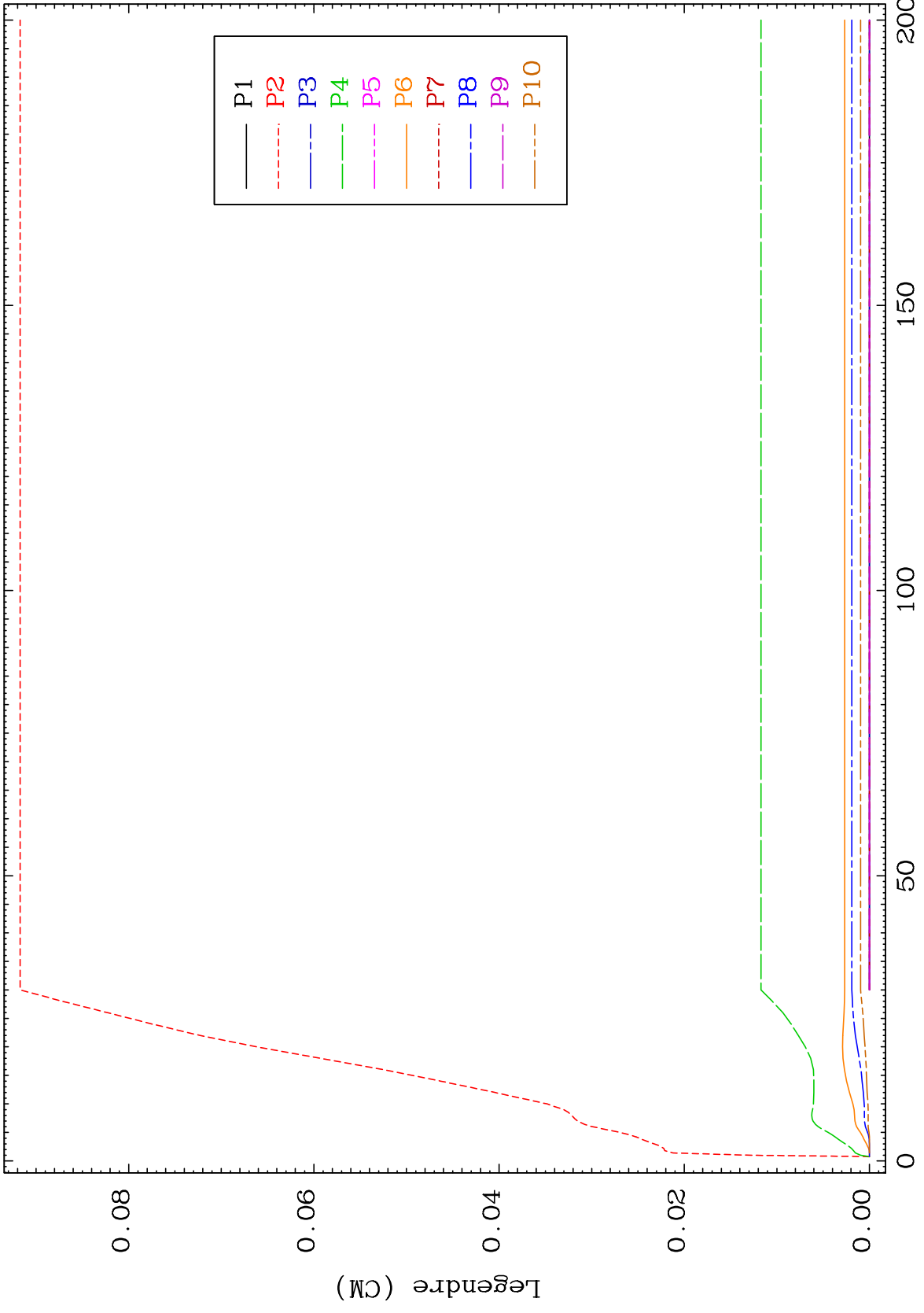
70-Yb-175

MAT 7046 MT= 64 (n,n') Level Legendre Coefficients 70-Yb-175



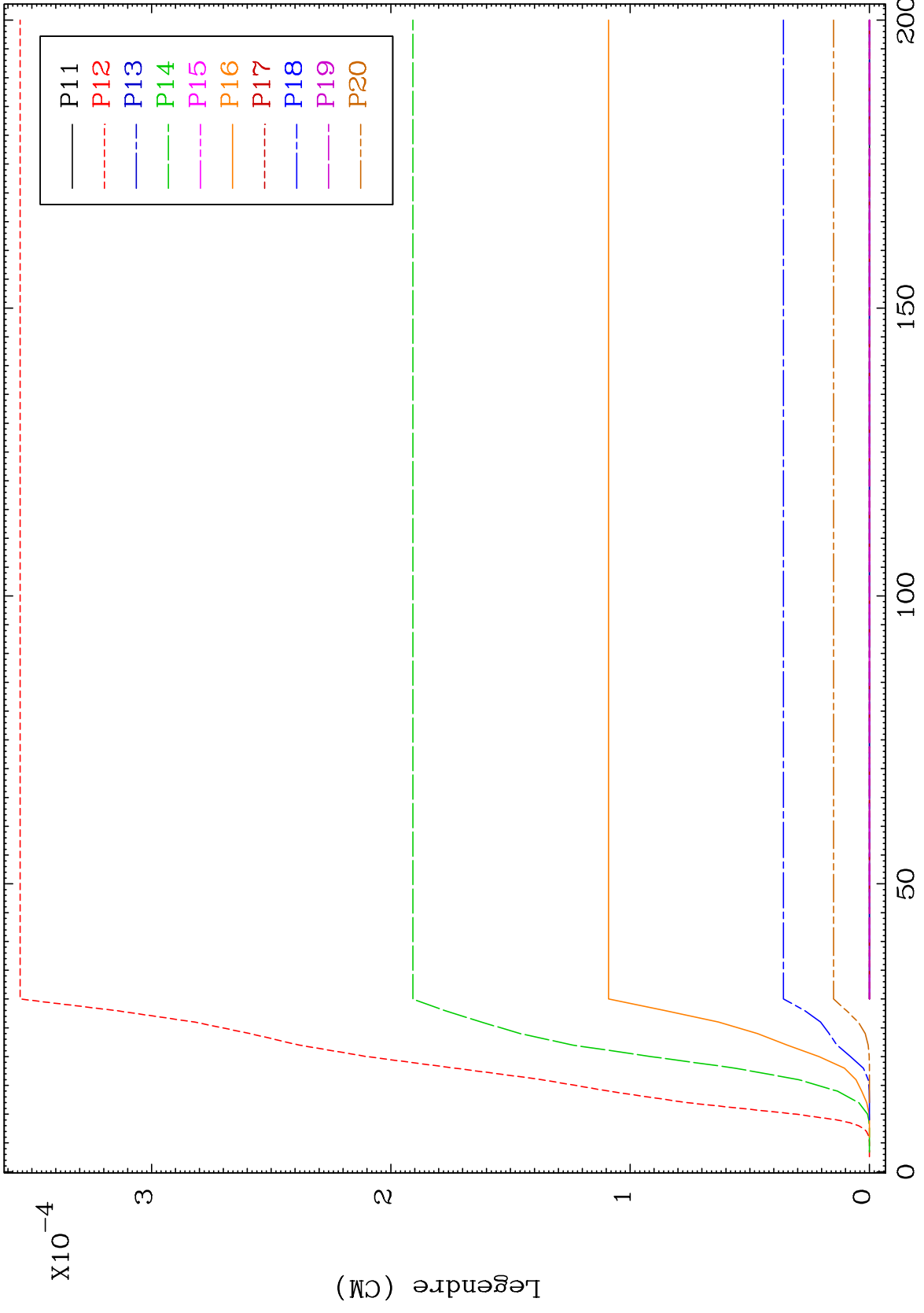
70

MAT 7046 MT= 65 (n,n') Level Legendre Coefficients 70-Yb-175



71 70-Yb-175

MAT 7046 MT= 65 (n,n') Level Legendre Coefficients 70-Yb-175

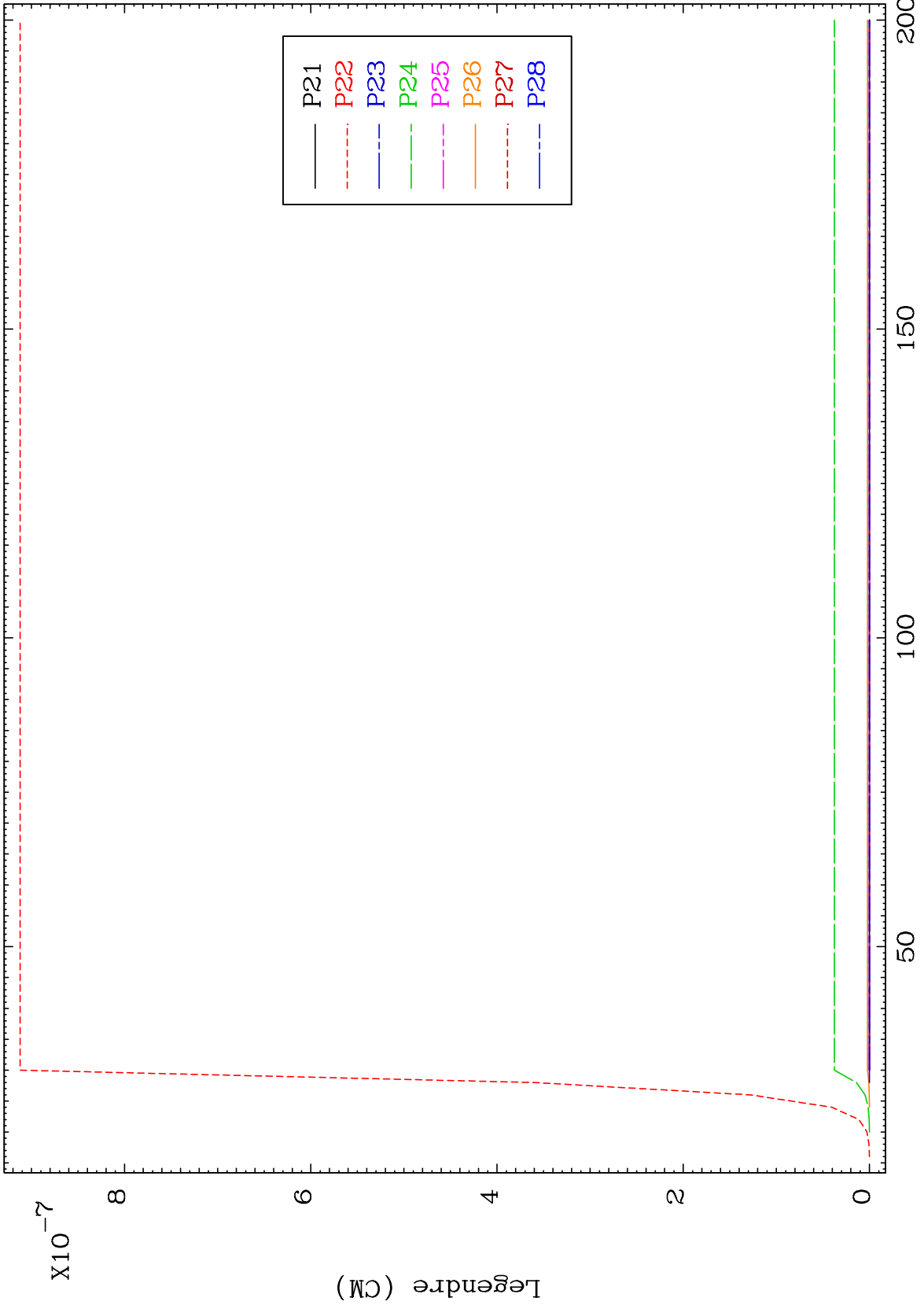


72 70-Yb-175

MAT 7046

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

70-Yb-175



73

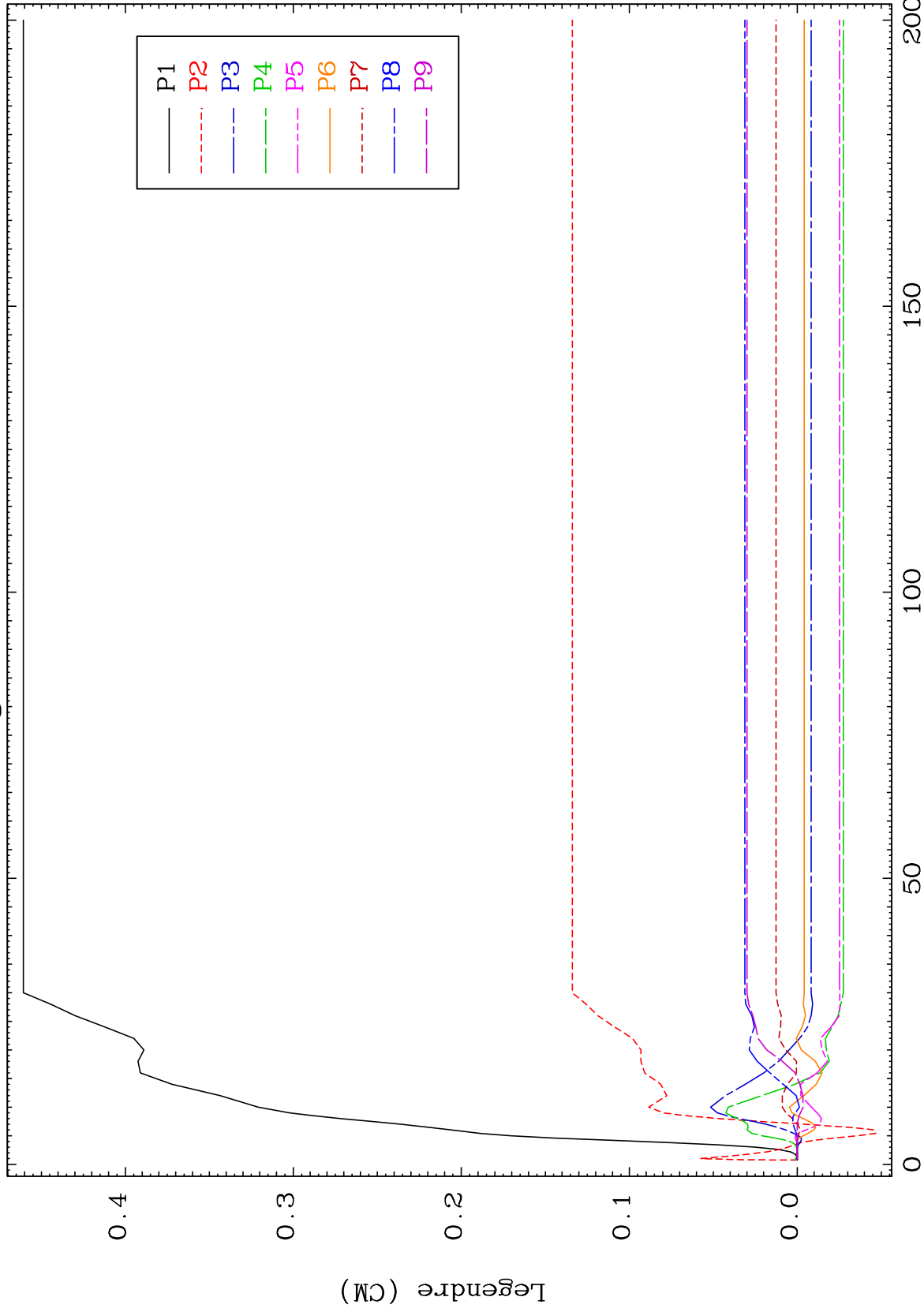
Incident Energy (MeV)

70-Yb-175

MAT 7046

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

70-Yb-175



74

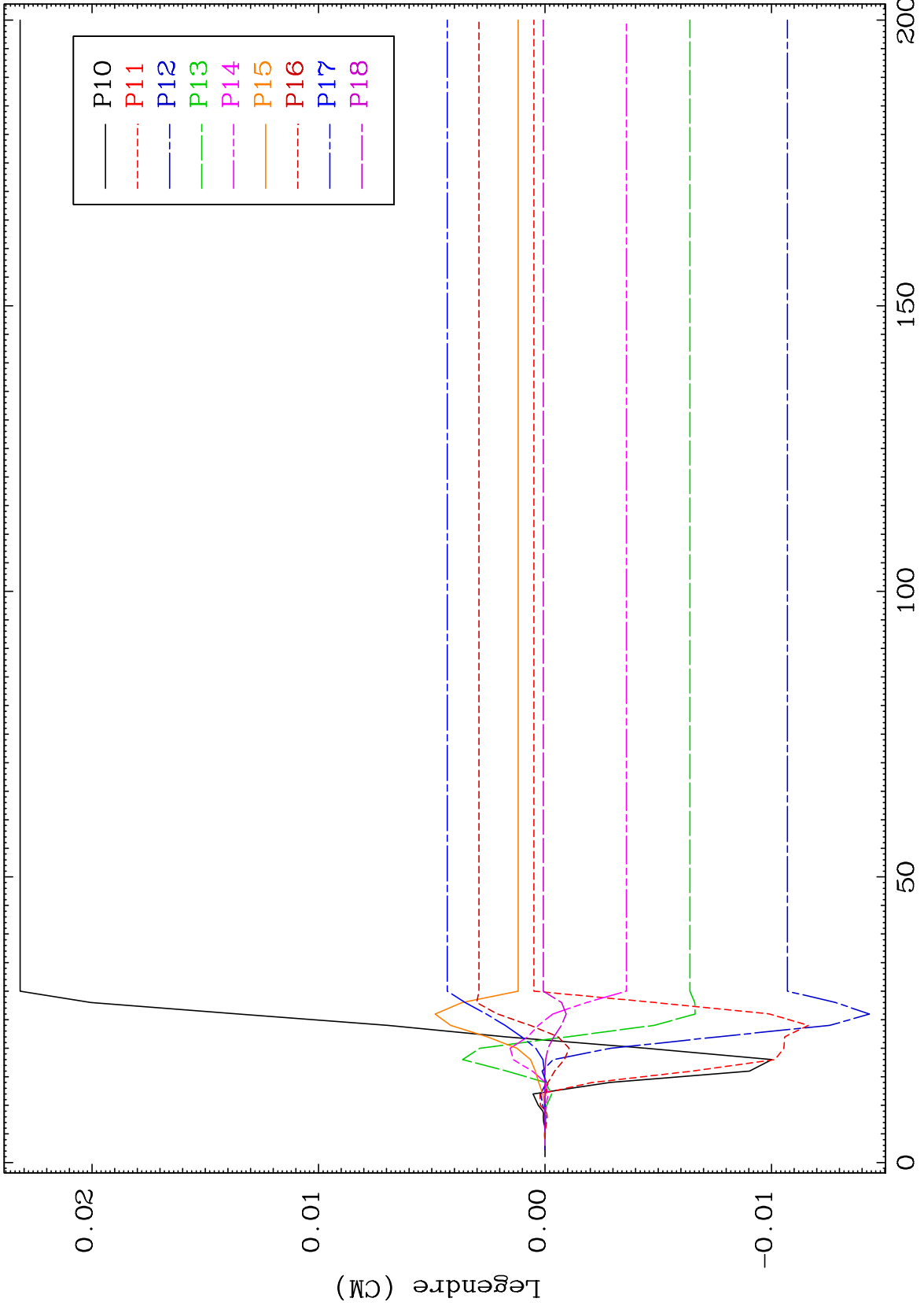
Incident Energy (MeV)

70-Yb-175

MAT 7046

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

70-Yb-175



75

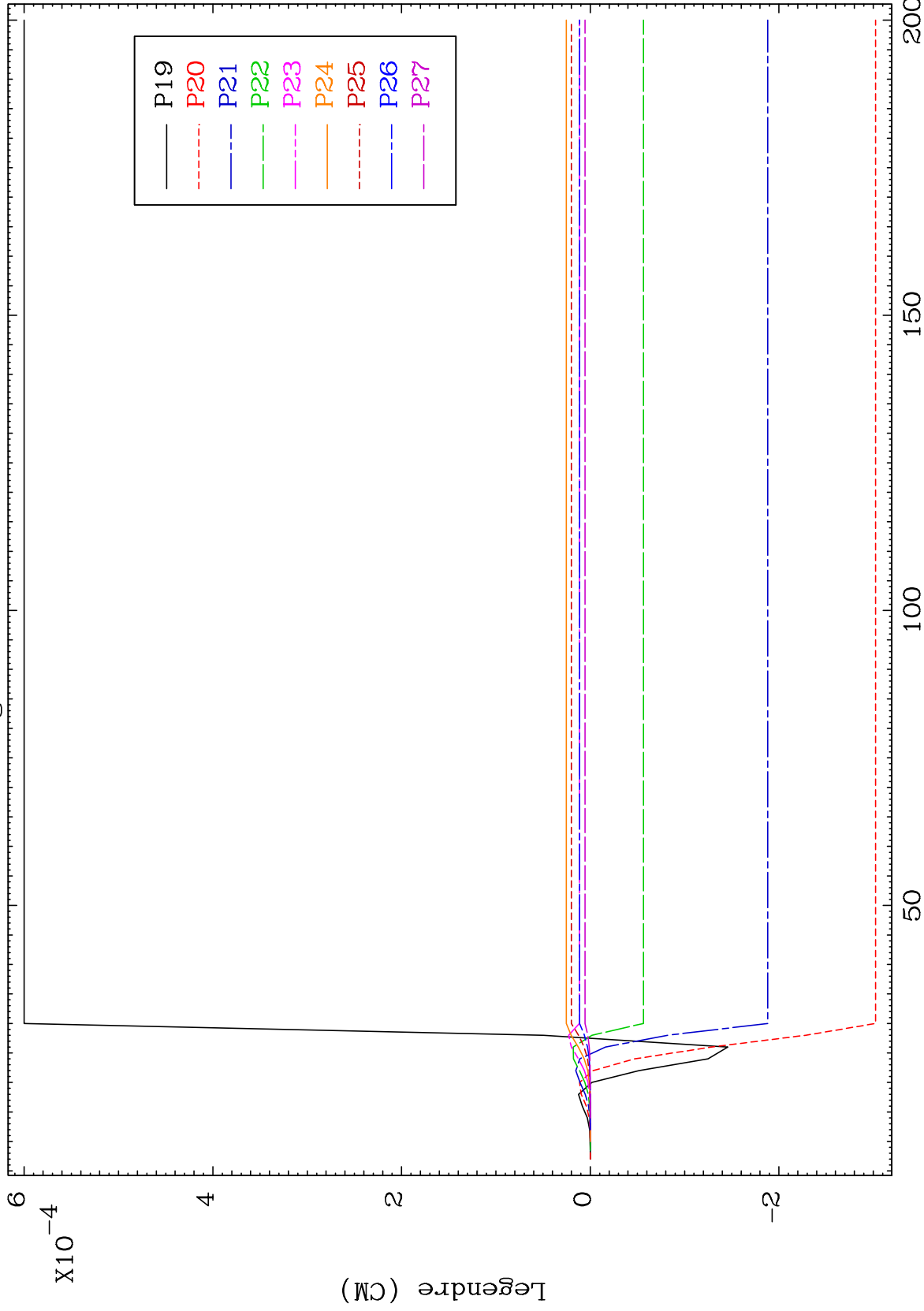
Incident Energy (MeV)

70-Yb-175

MAT 7046

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

70-Yb-175



76

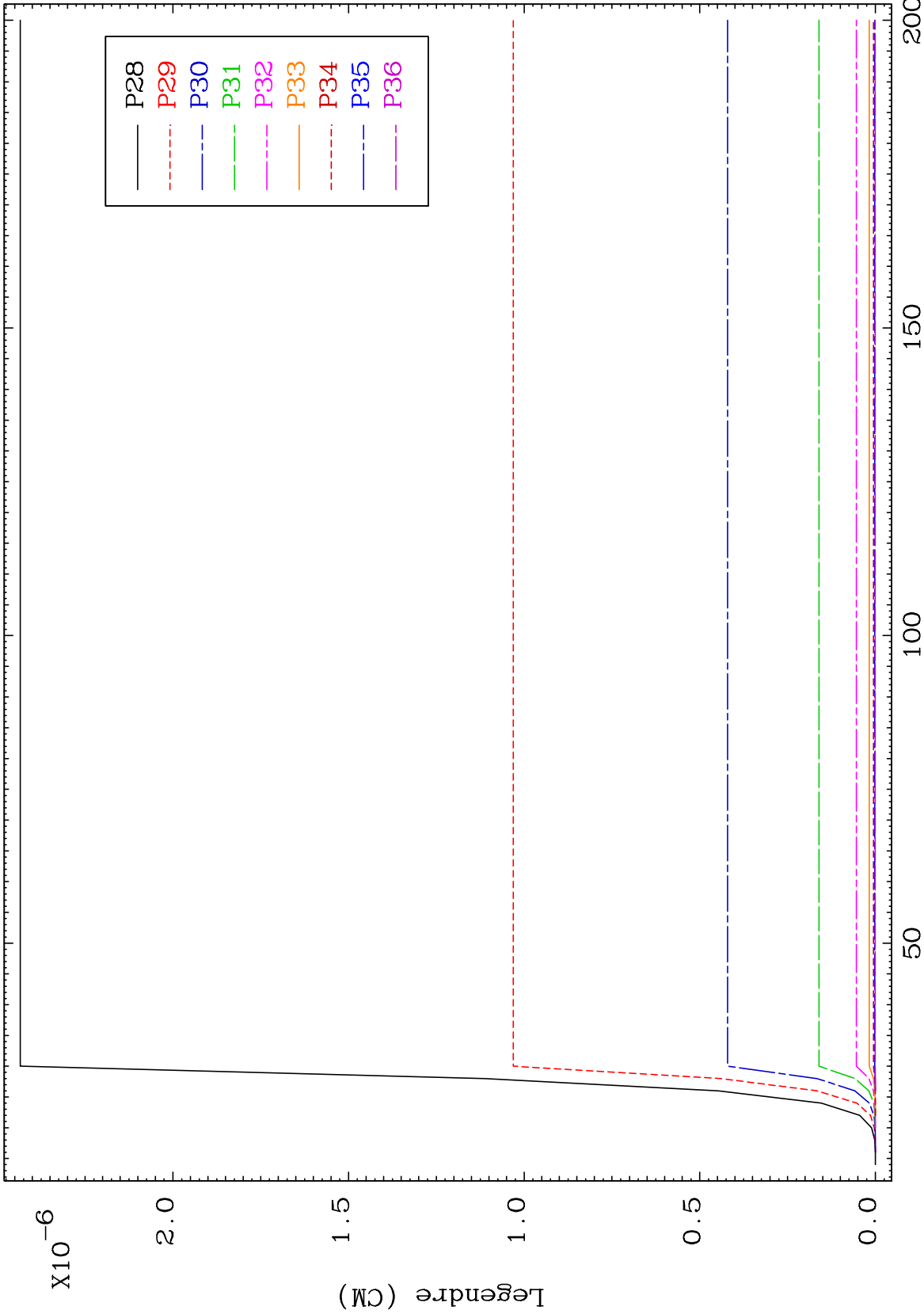
Incident Energy (MeV)

70-Yb-175

MAT 7046

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

70-Yb-175



77

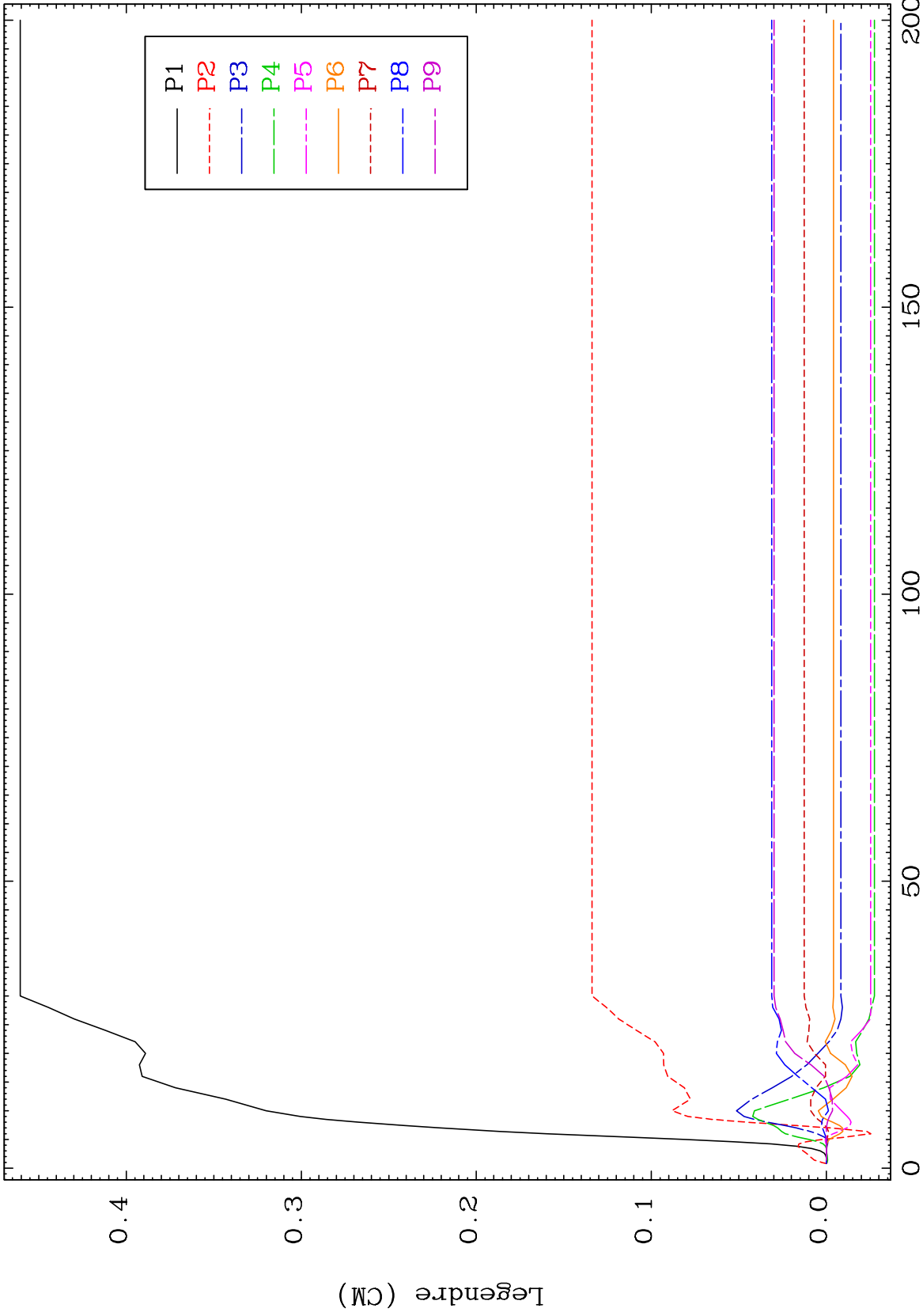
Incident Energy (MeV)

70-Yb-175

MAT 7046

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

70-Yb-175



78

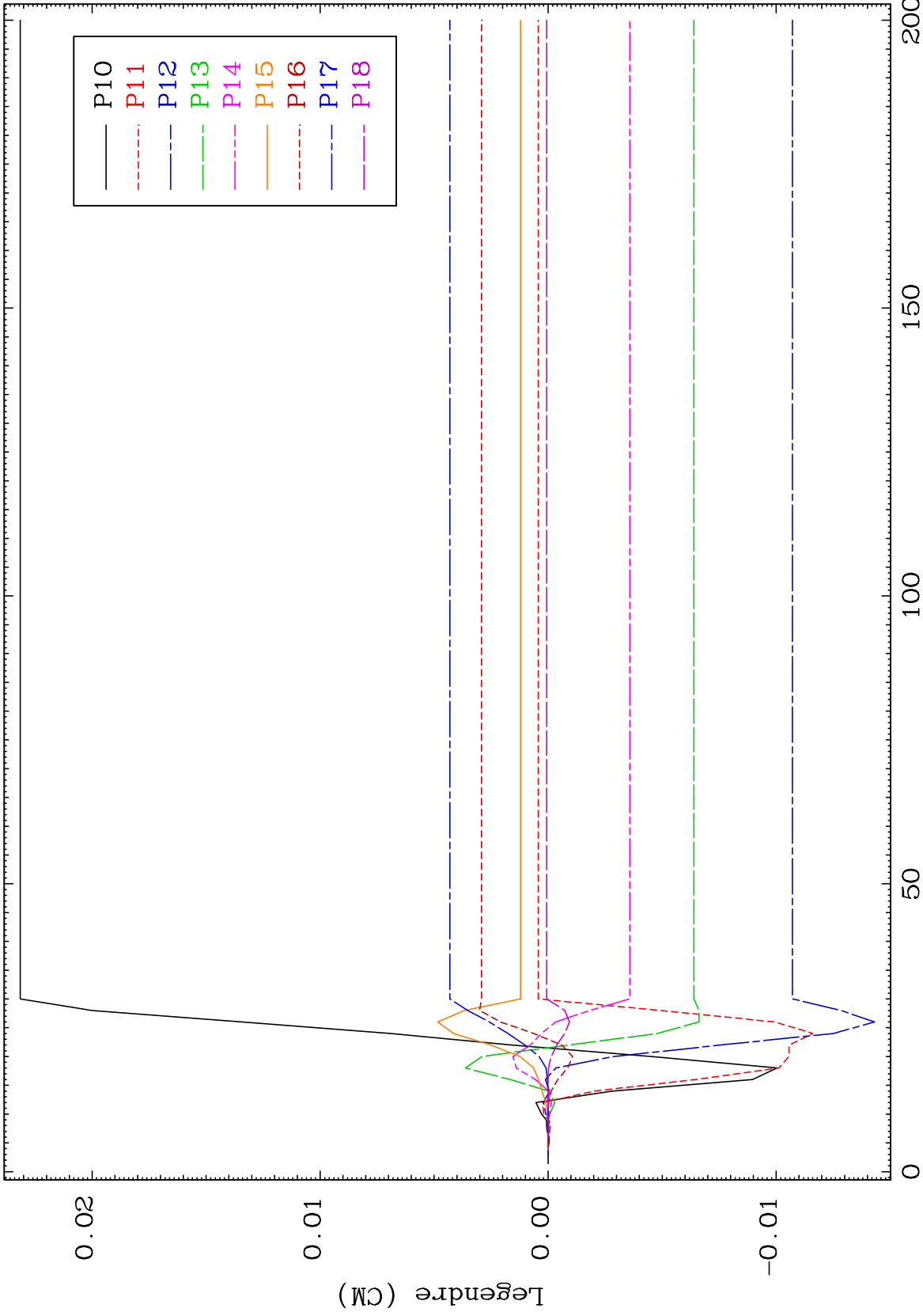
Incident Energy (MeV)

70-Yb-175

MAT 7046

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

70-Yb-175



79

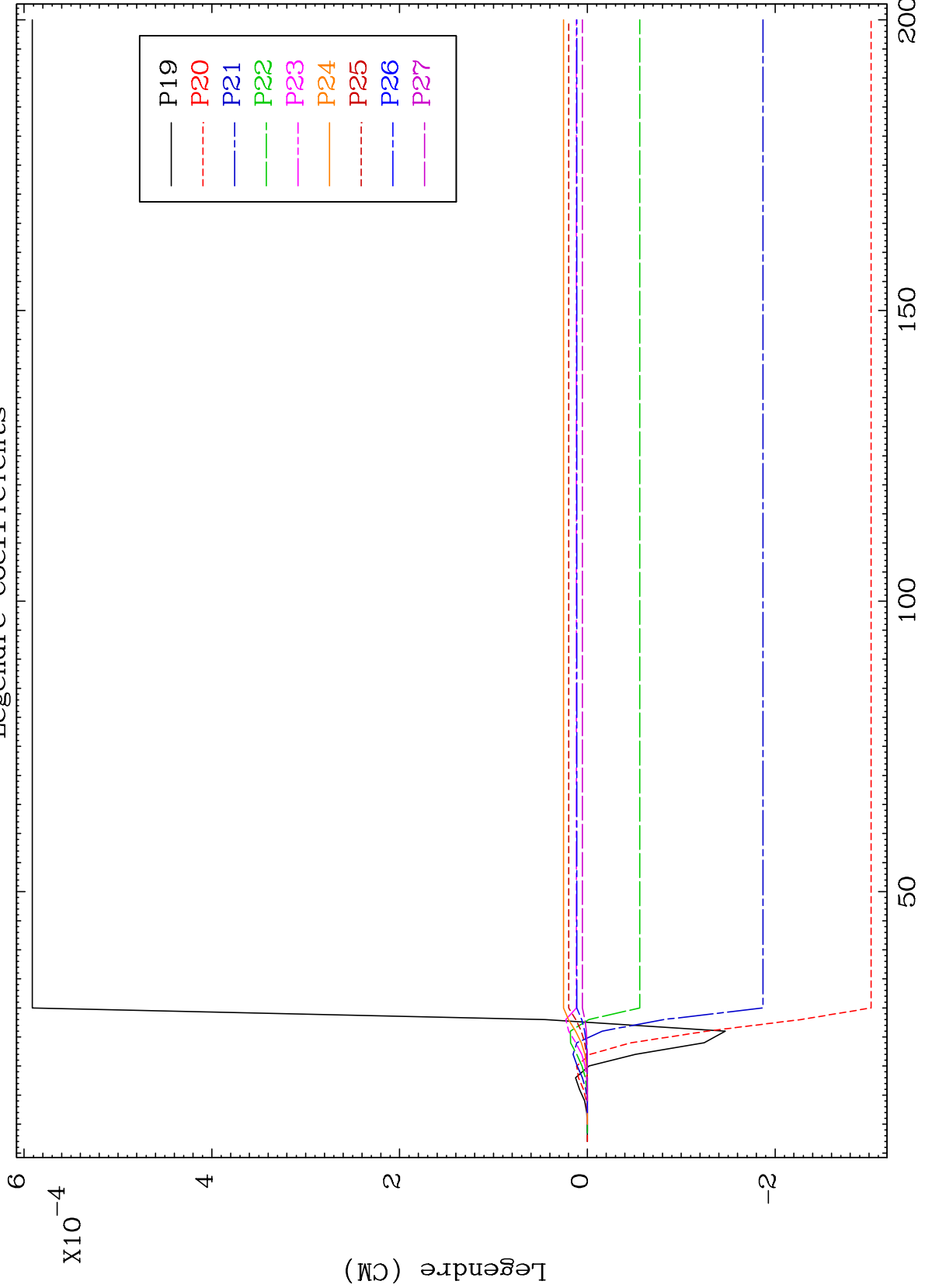
Incident Energy (MeV)

70-Yb-175

MAT 7046

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

70-Yb-175



80

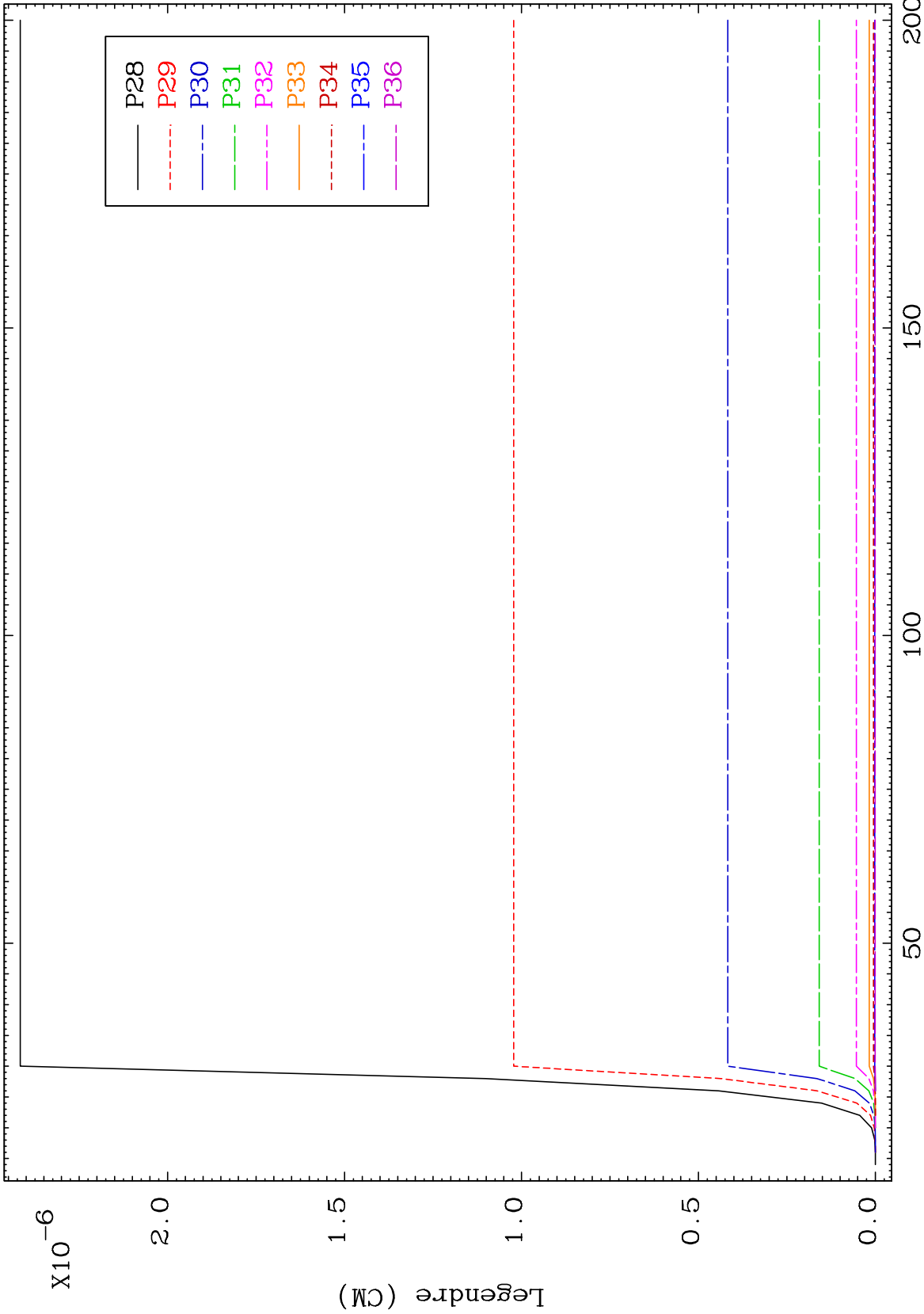
Incident Energy (MeV)

70-Yb-175

MAT 7046

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

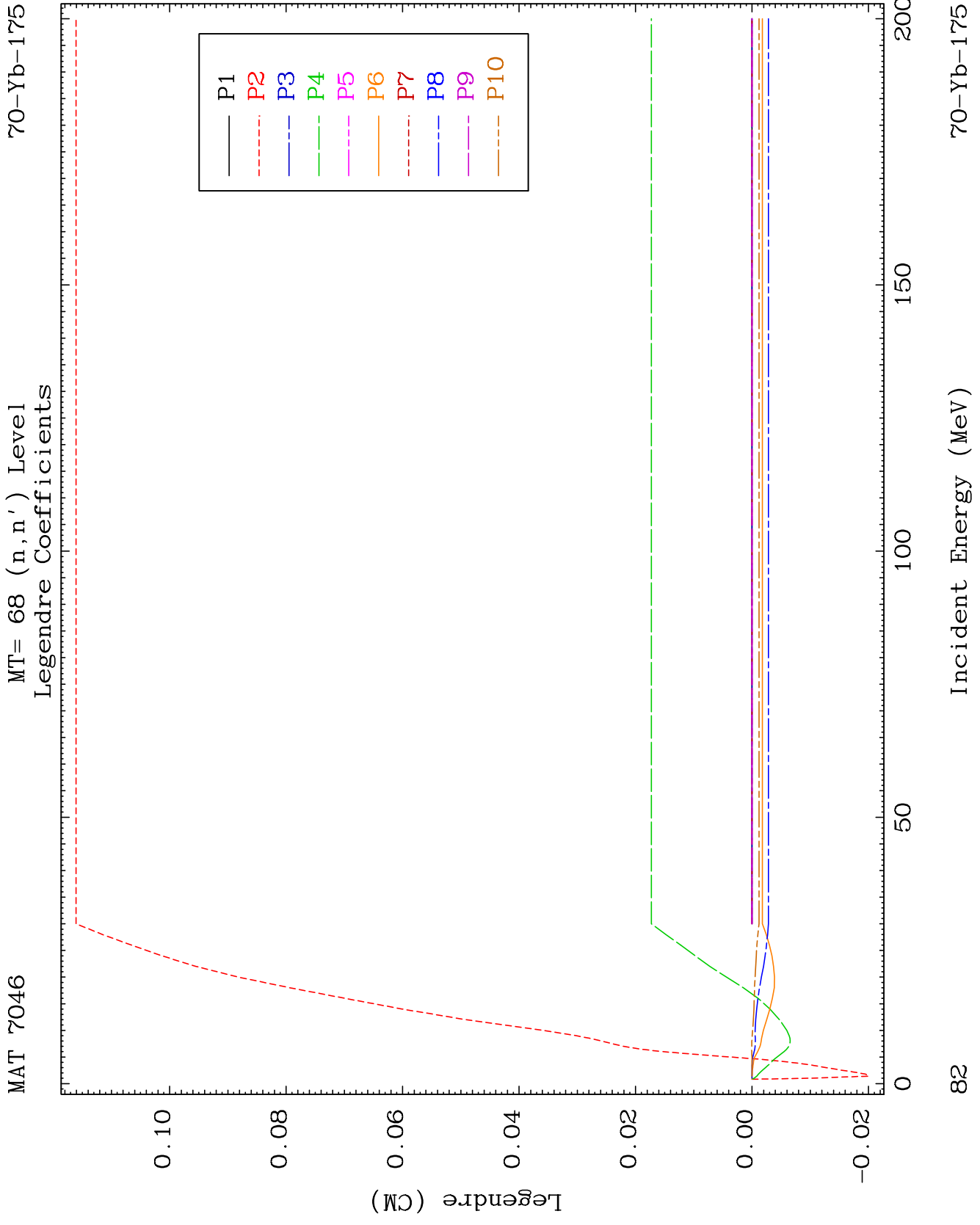
70-Yb-175



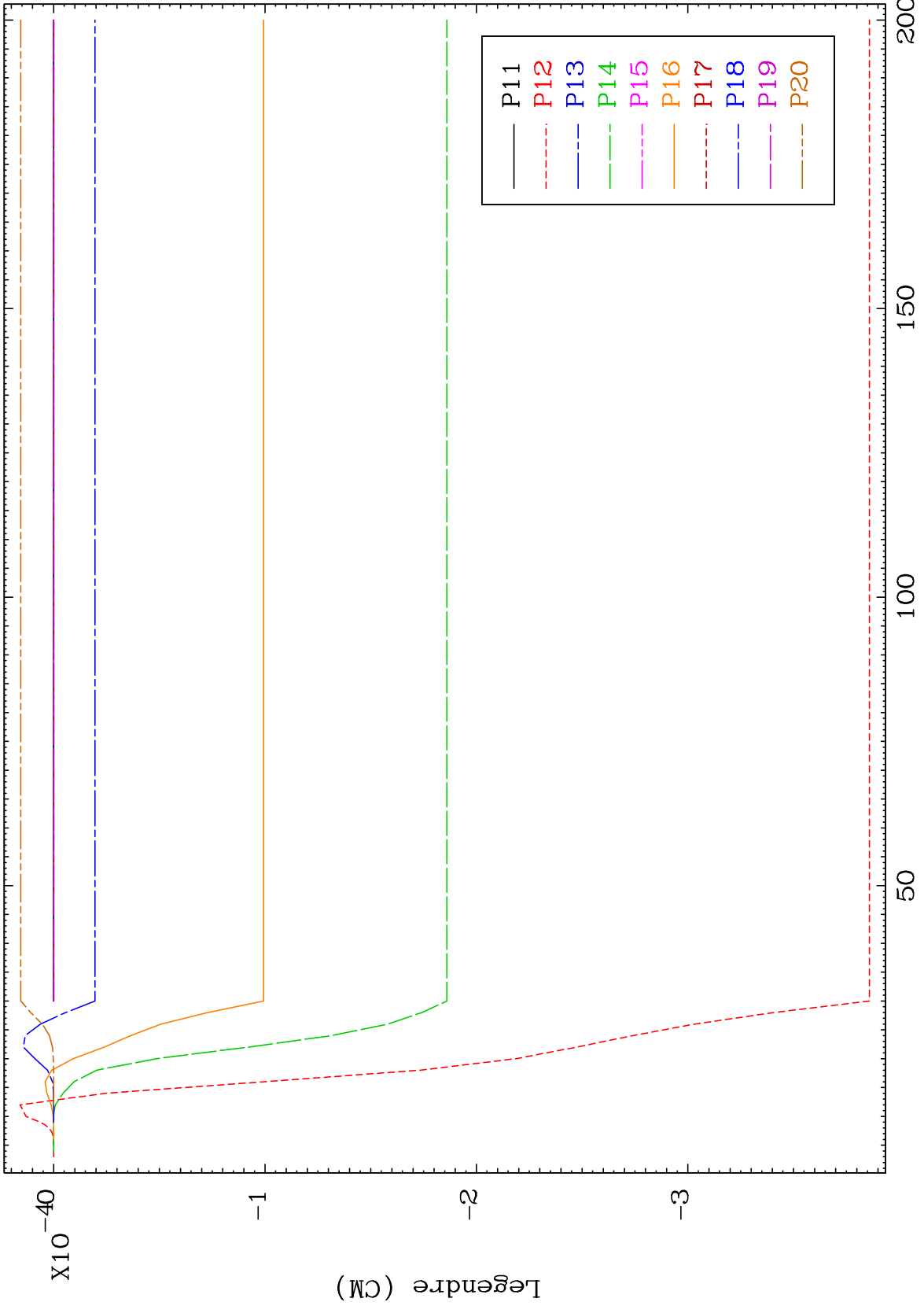
81

Incident Energy (MeV)

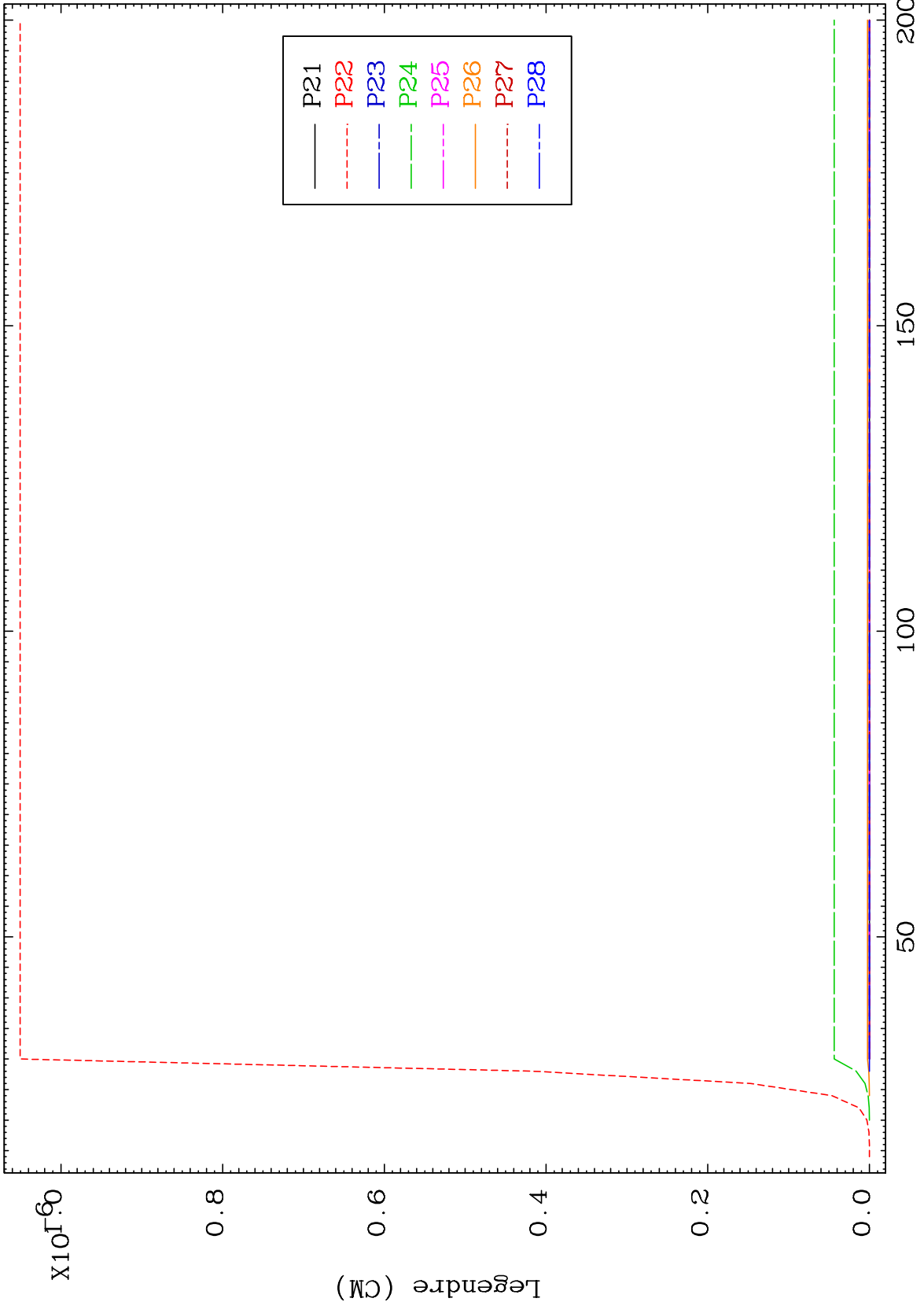
70-Yb-175



MAT 7046 MT= 68 (n,n') Level Legendre Coefficients 70-Yb-175



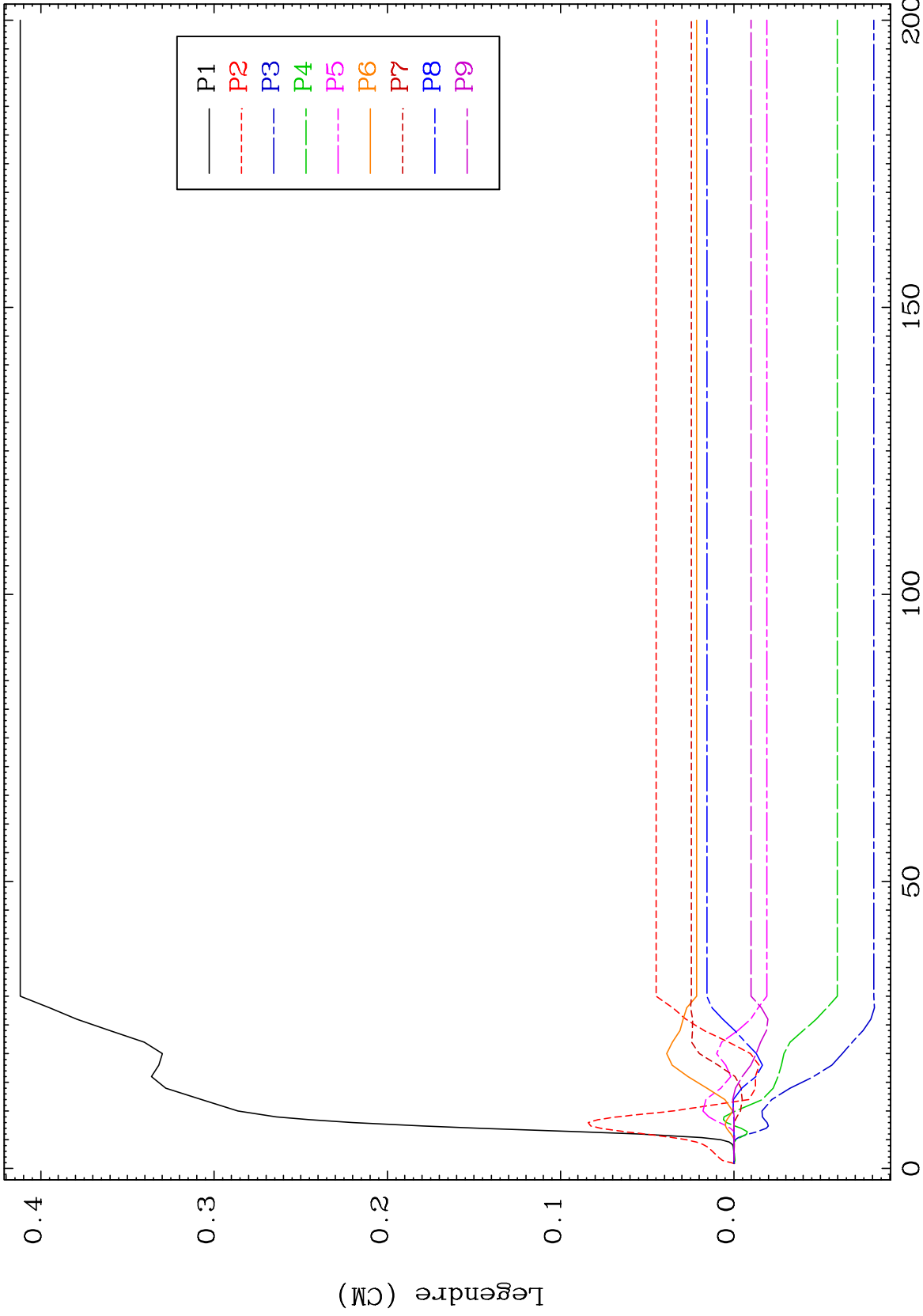
MAT 7046 MT= 68 (n, n') Level Legendre Coefficients 70-Yb-175



MAT 7046

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

70-Yb-175

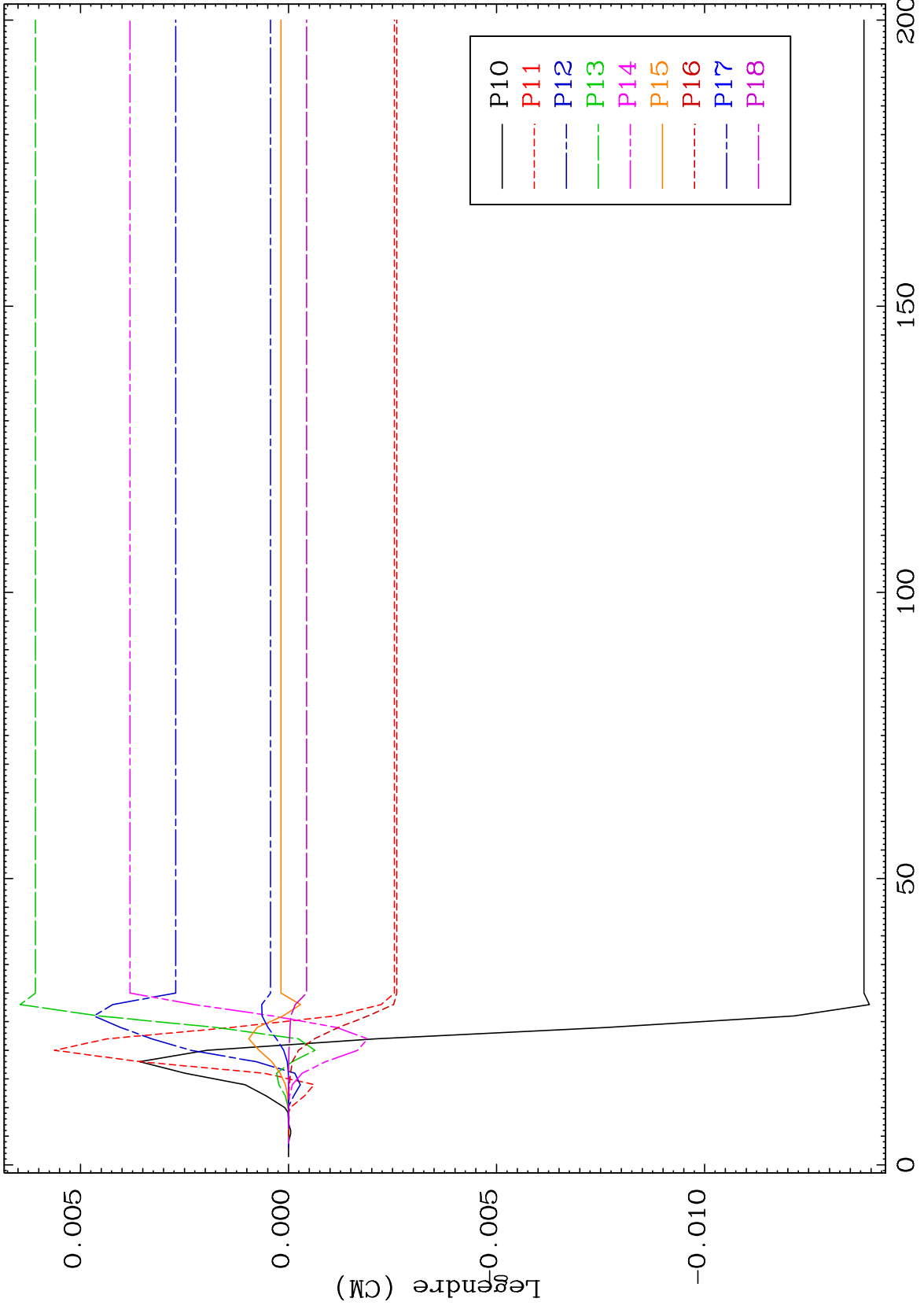


85

Incident Energy (MeV)

70-Yb-175

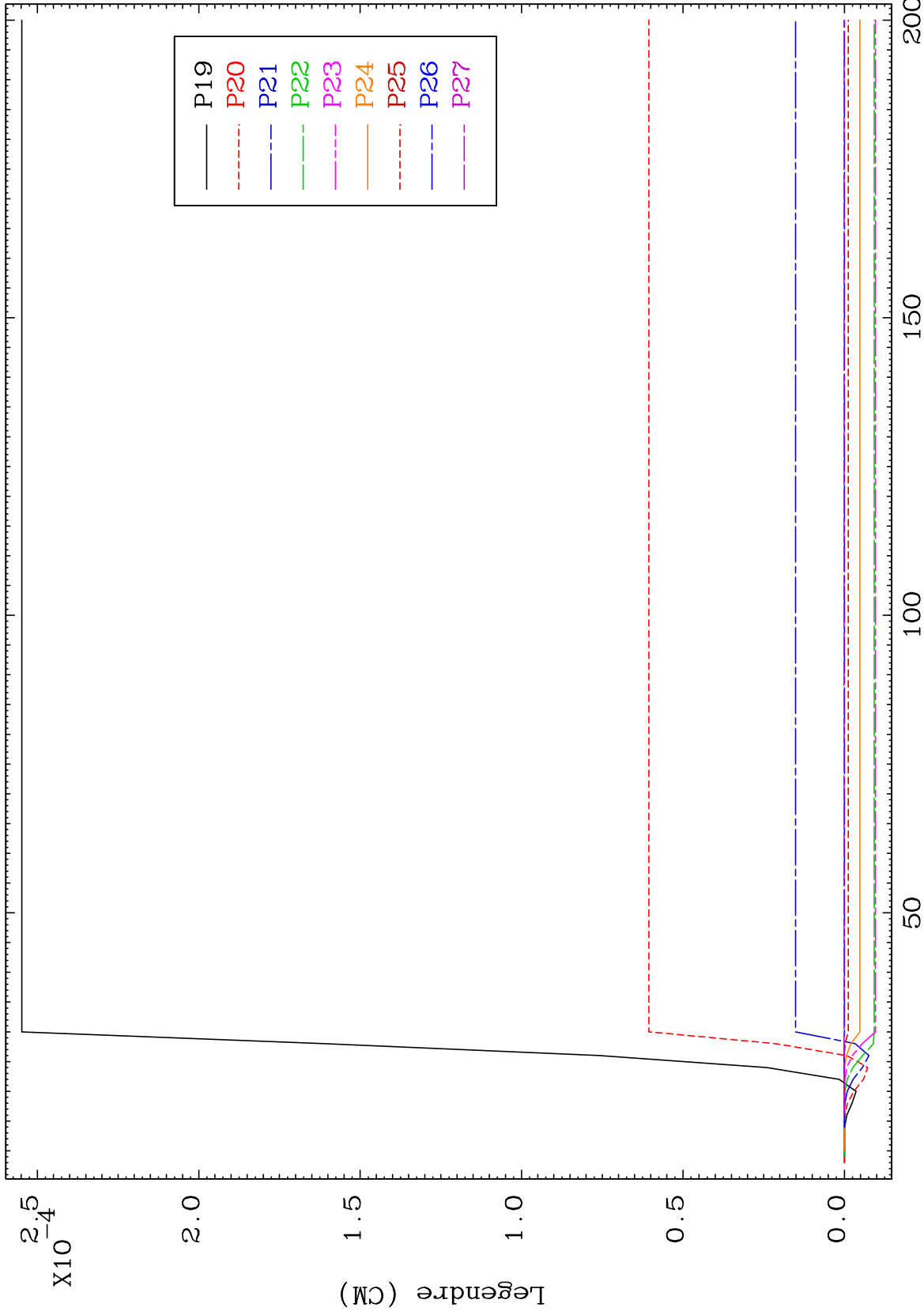
MAT 7046 MT= 69 (n,n') Level Legendre Coefficients 70-Yb-175



MAT 7046

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

70-Yb-175



87

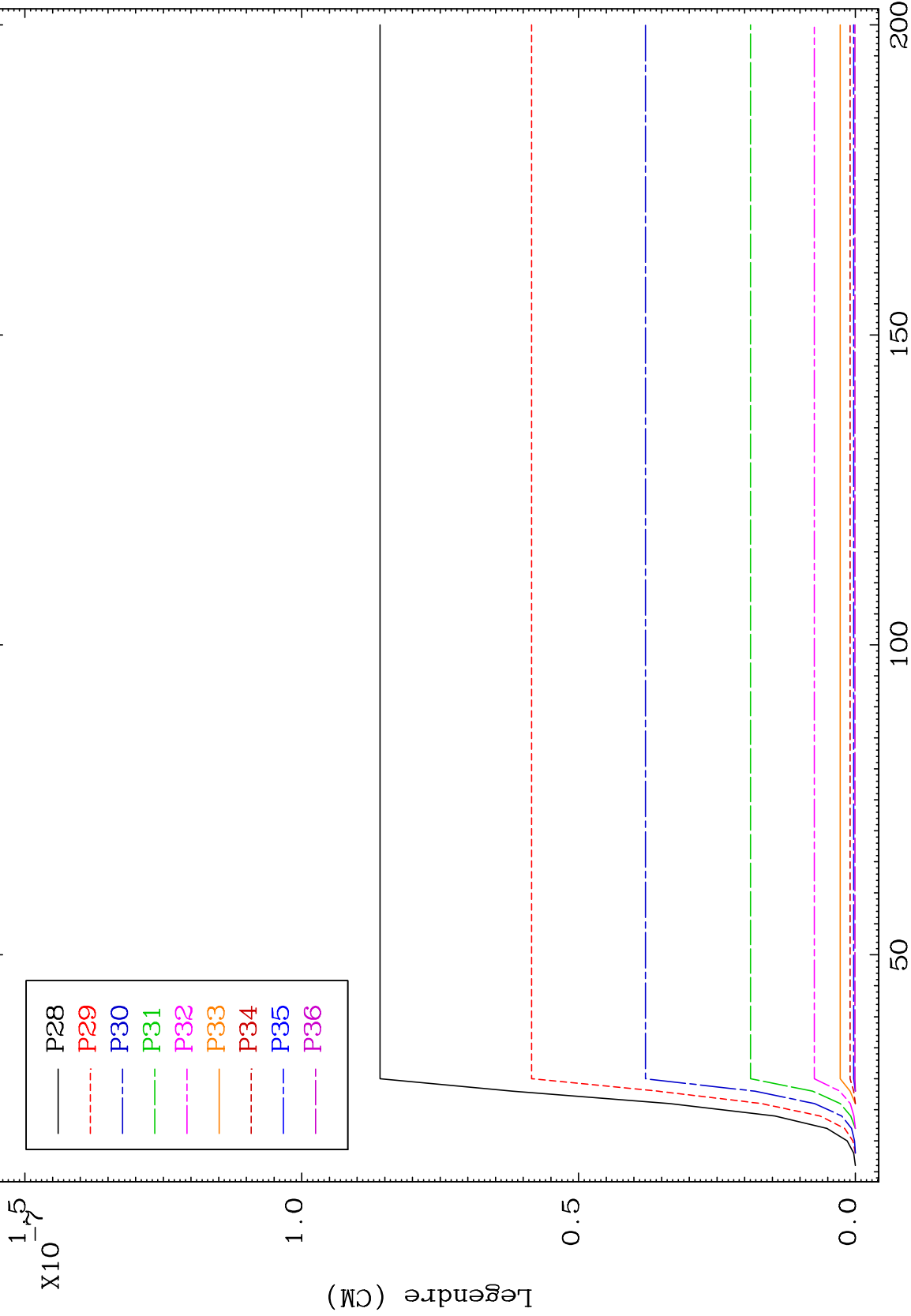
Incident Energy (MeV)

70-Yb-175

MAT 7046

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

70-Yb-175



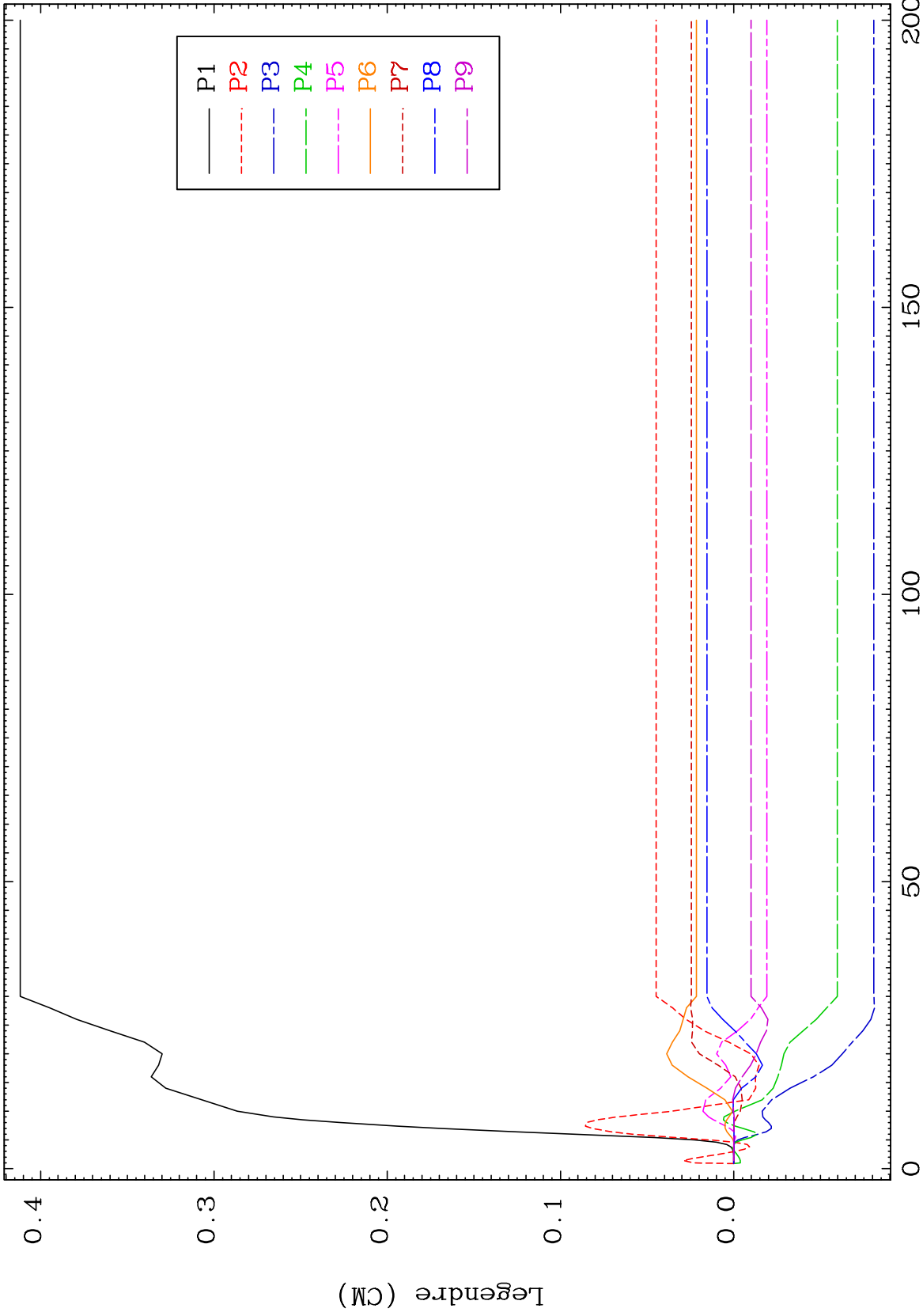
88

70-Yb-175

MAT 7046

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

70-Yb-175



89

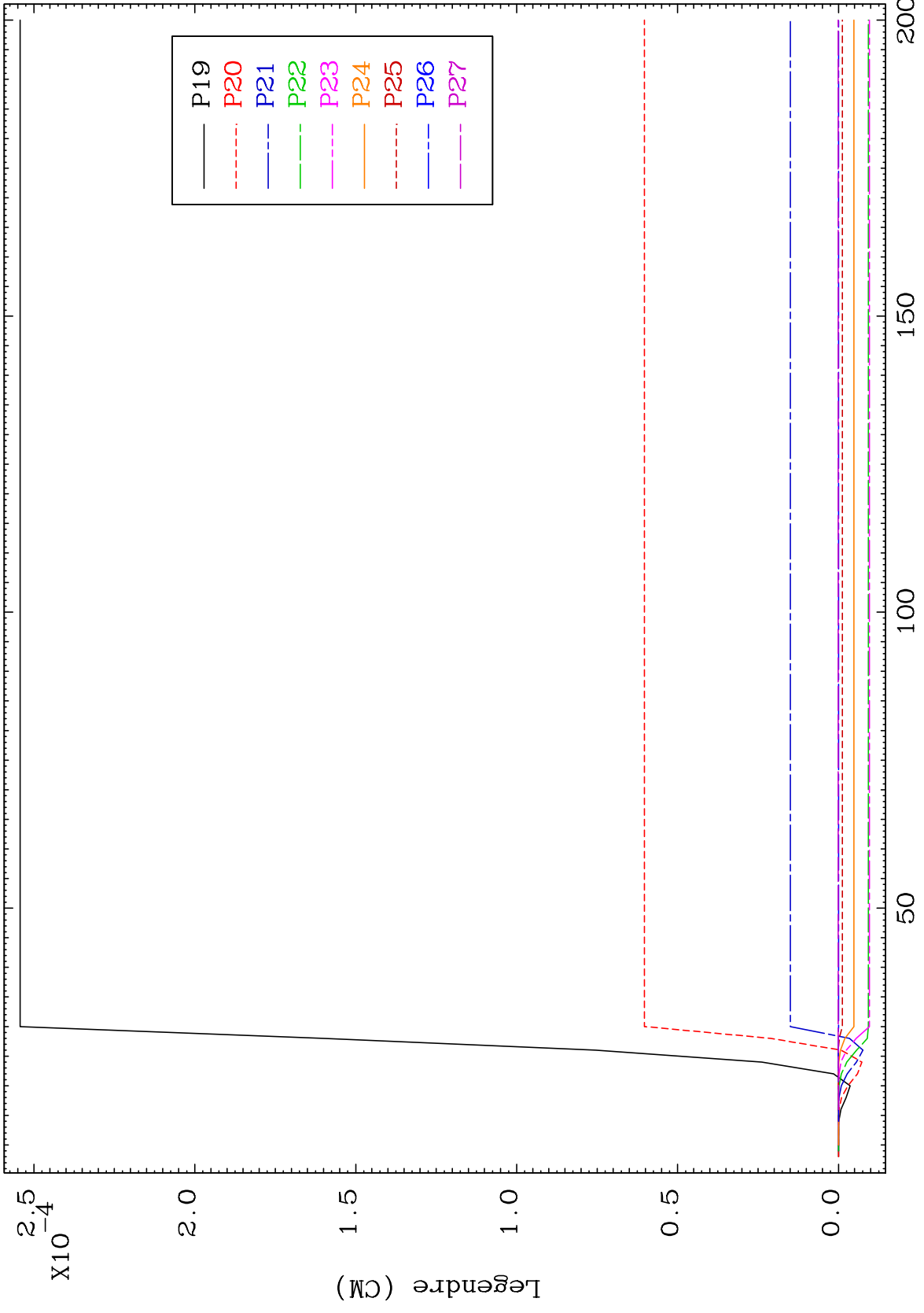
Incident Energy (MeV)

70-Yb-175

MAT 7046

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

70-Yb-175



91

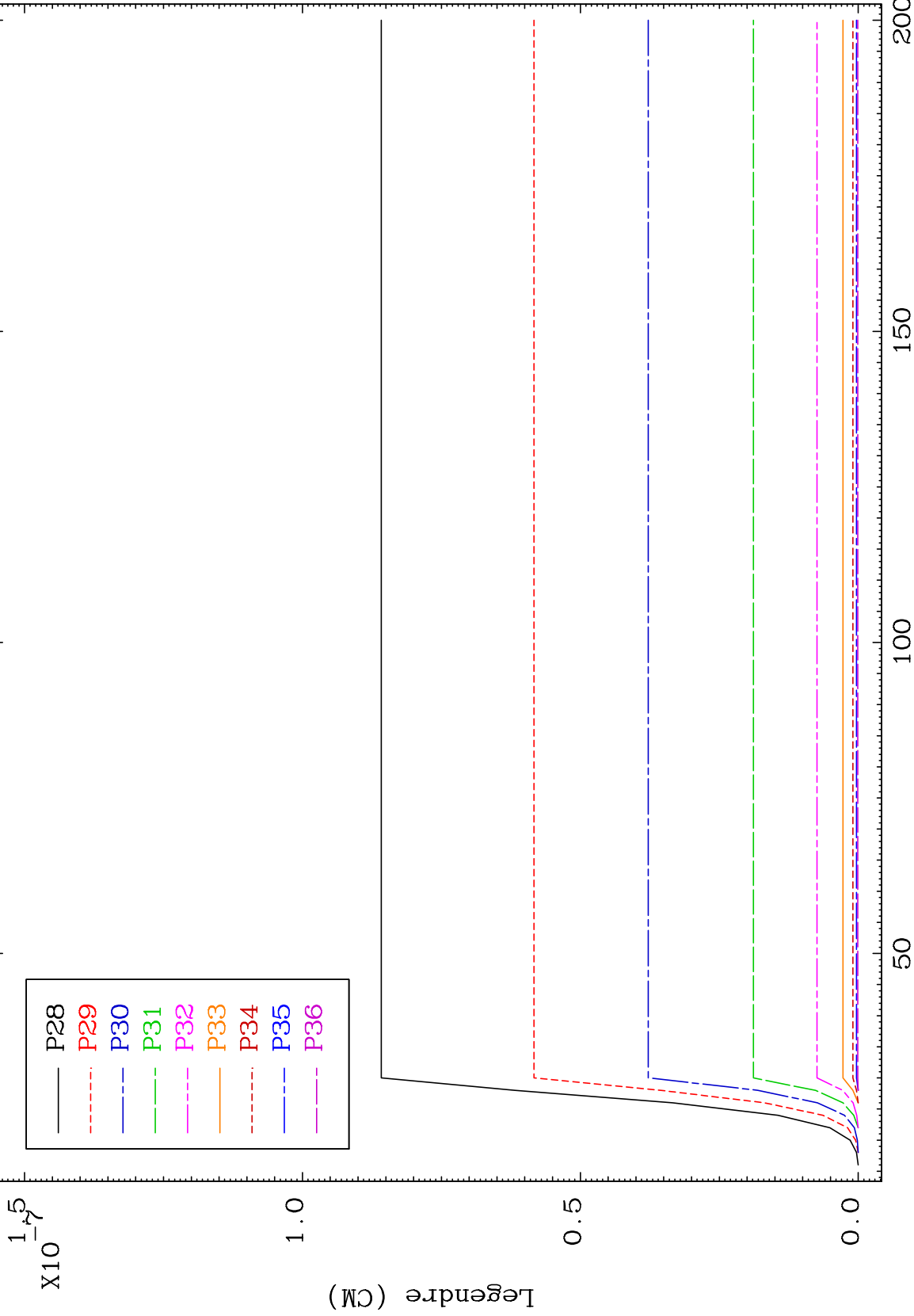
Incident Energy (MeV)

70-Yb-175

MAT 7046

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

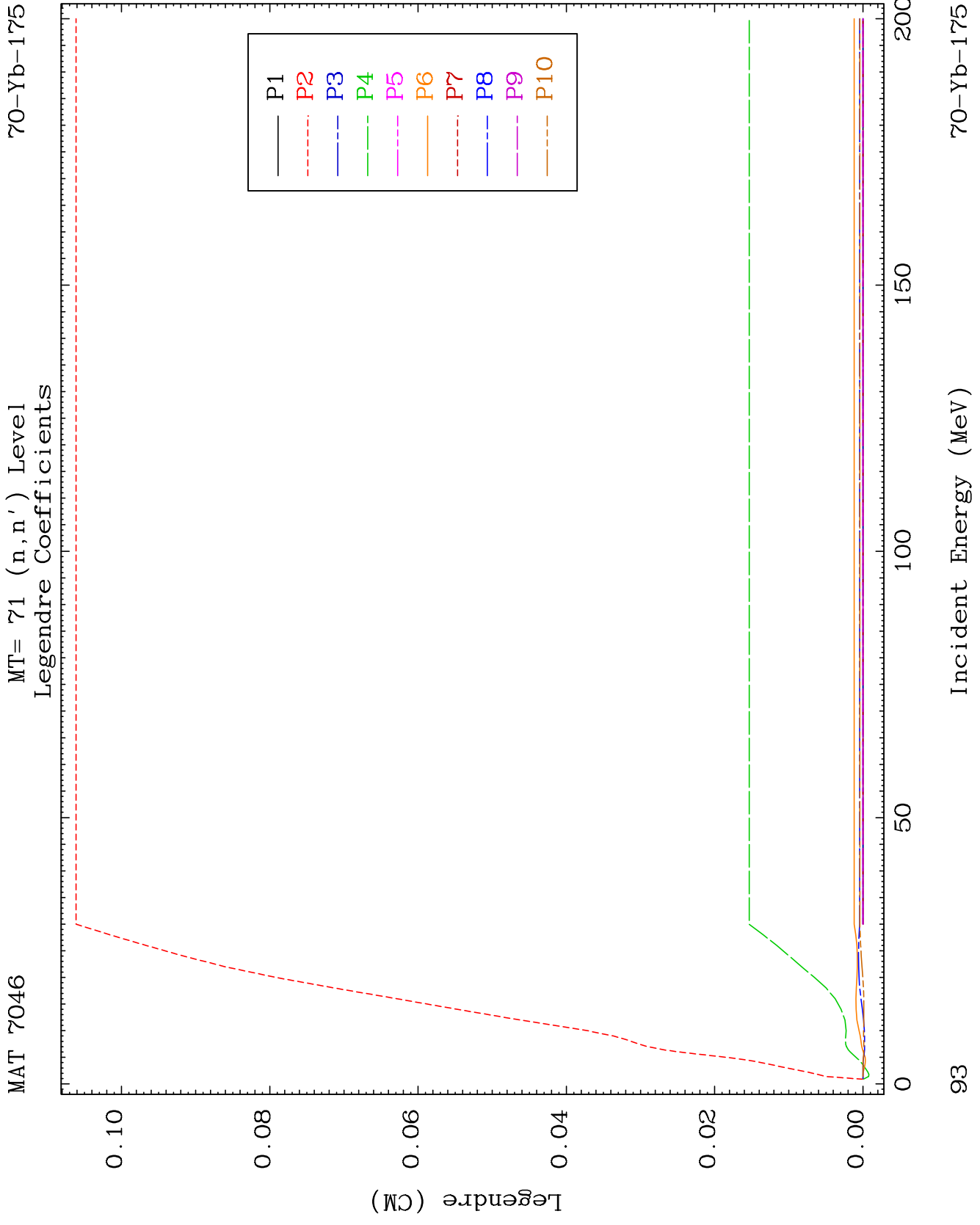
70-Yb-175



92

Incident Energy (MeV)

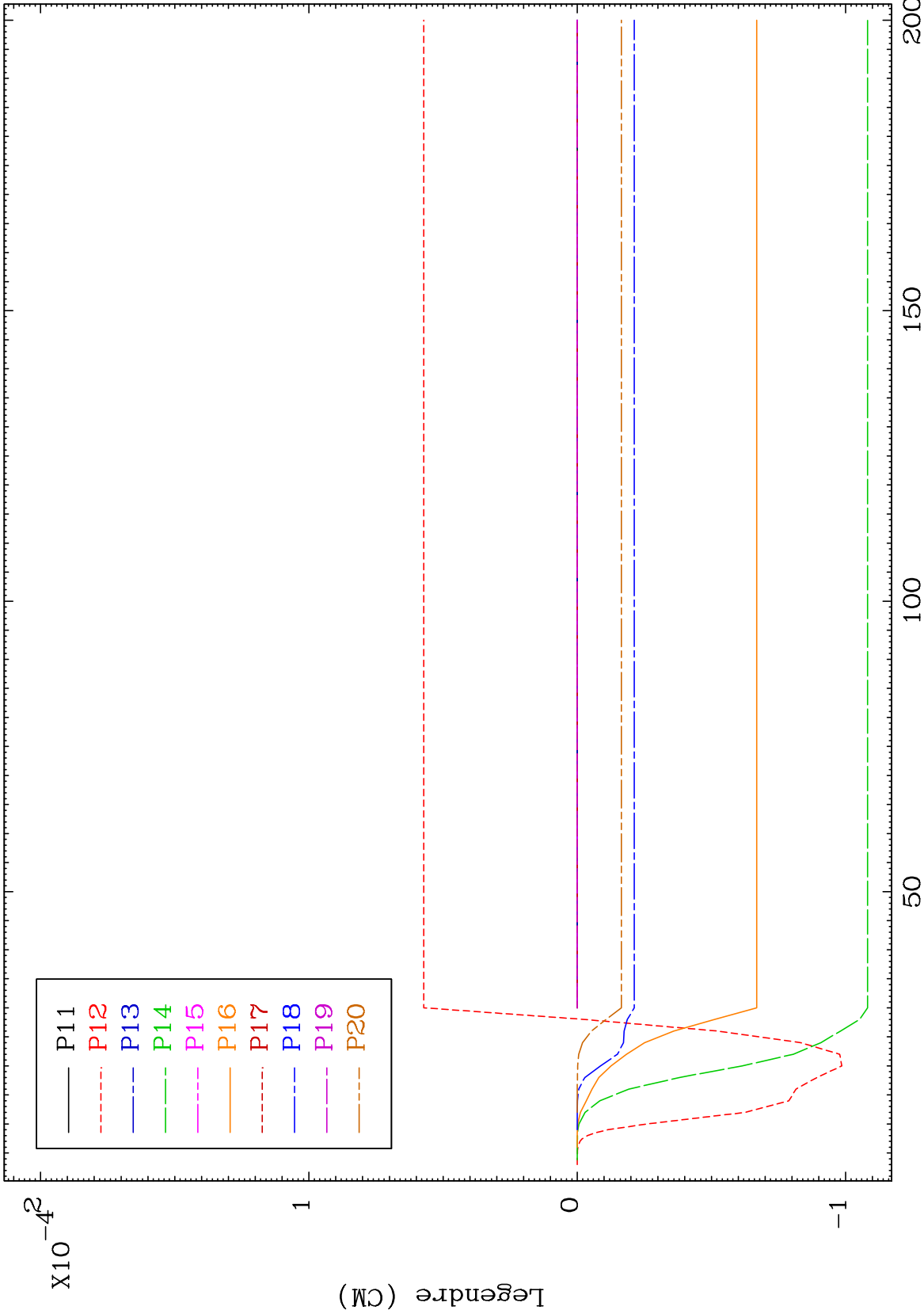
70-Yb-175



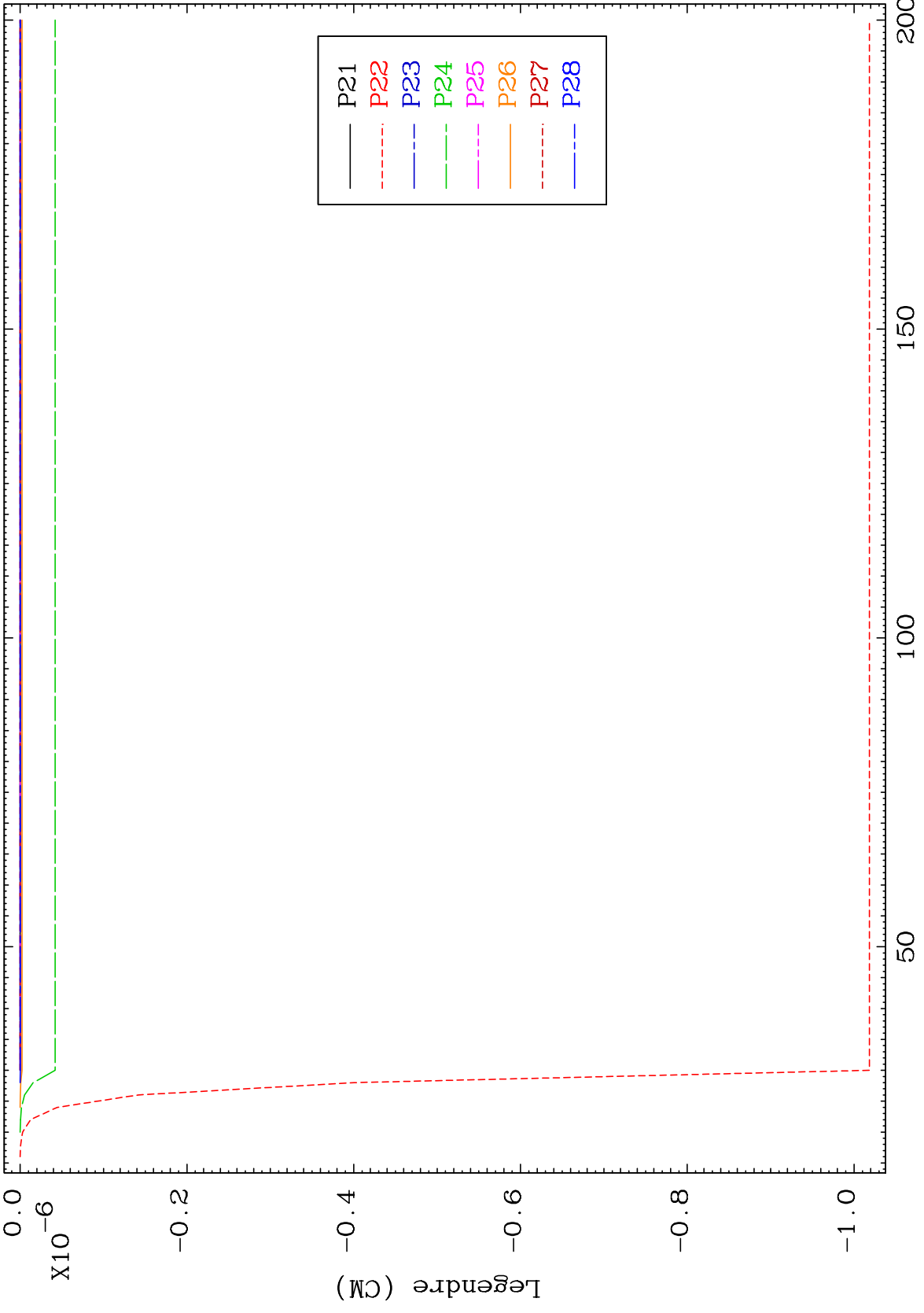
MAT 7046

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

70-Yb-175

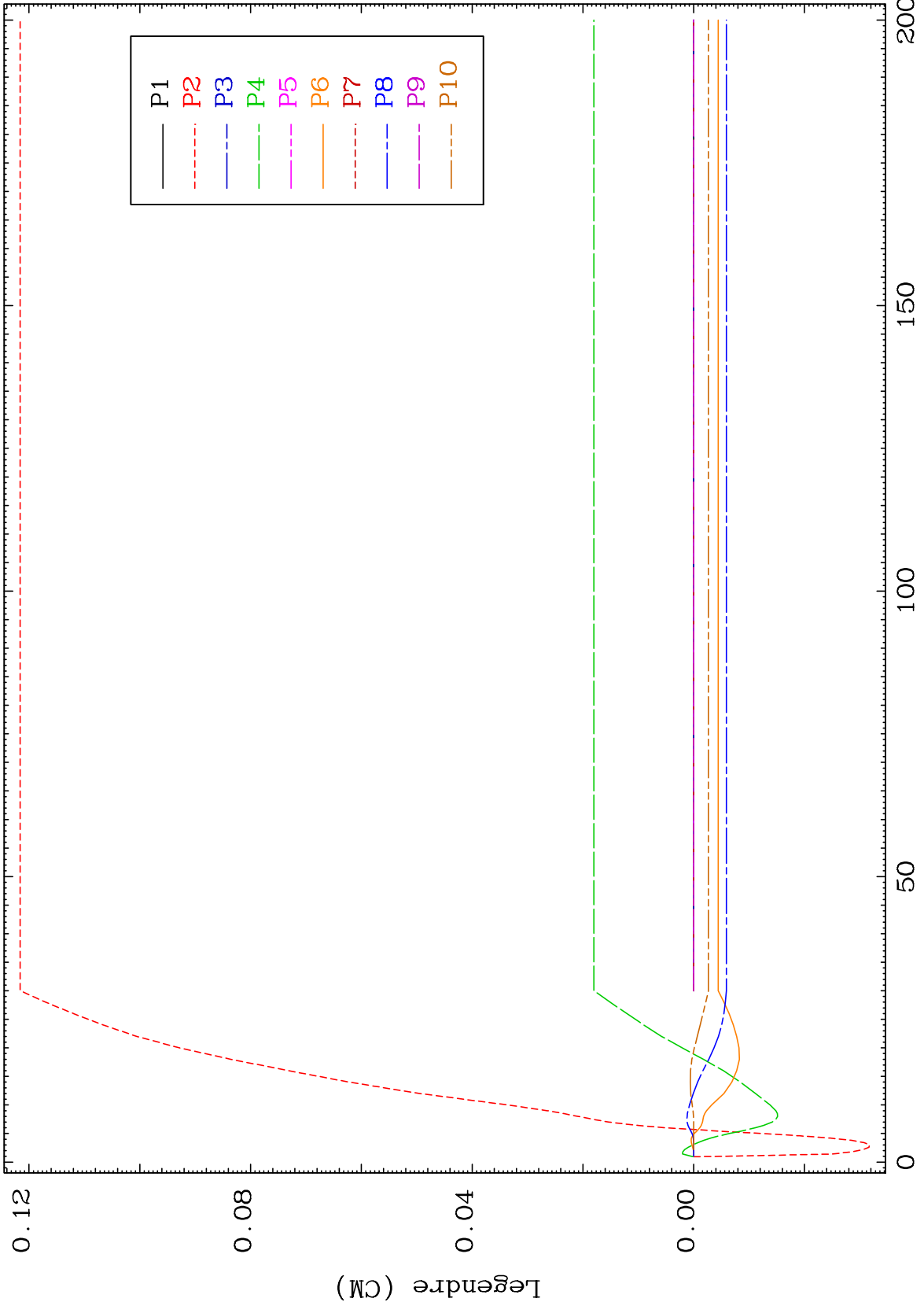


MAT 7046 MT= 71 (n, n') Level Legendre Coefficients 70-Yb-175



95 50 100 150 200 70-Yb-175

MAT 7046 MT= 72 (n,n') Level Legendre Coefficients 70-Yb-175

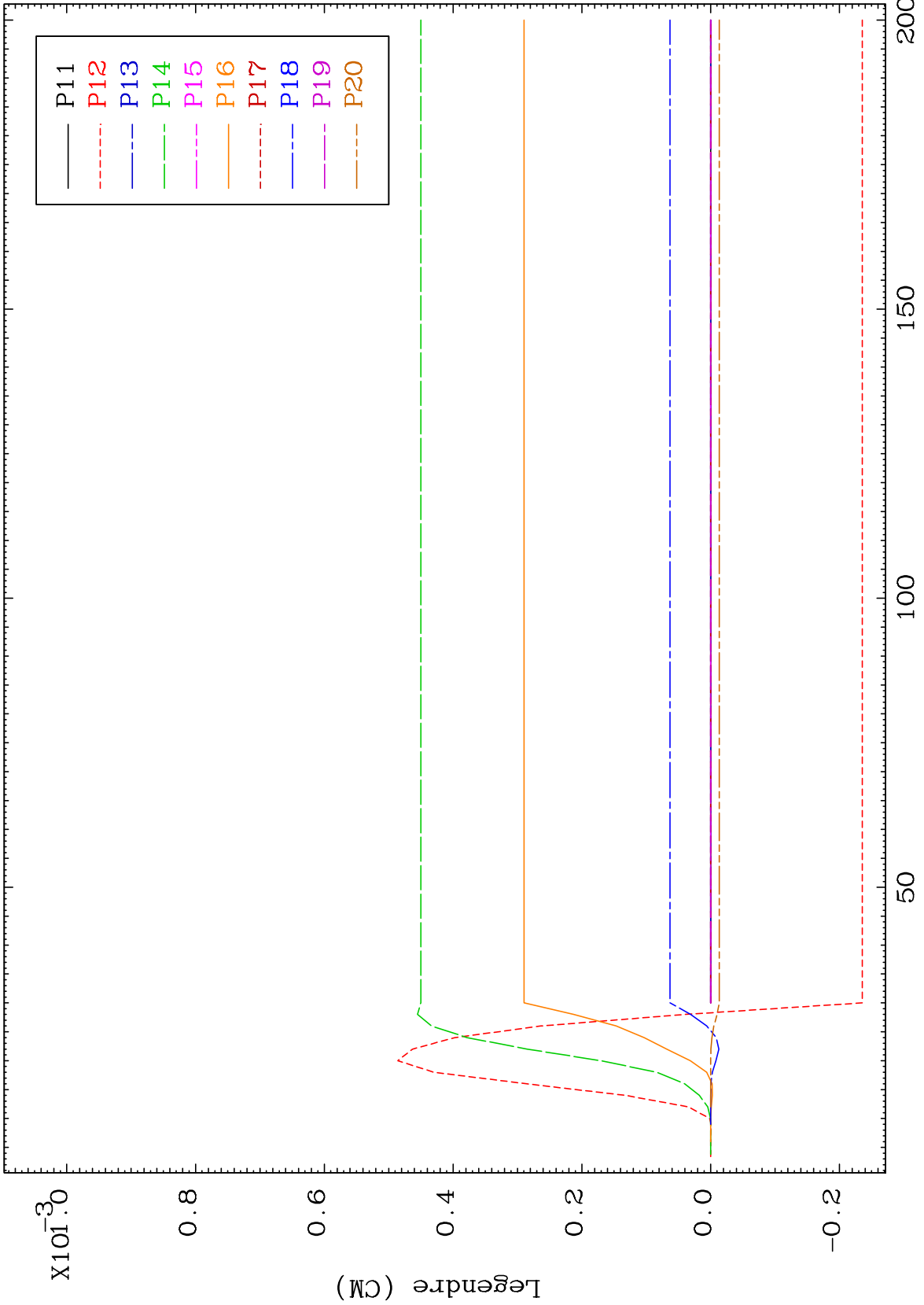


96 Incident Energy (MeV) 70-Yb-175

MAT 7046

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

70-Yb-175

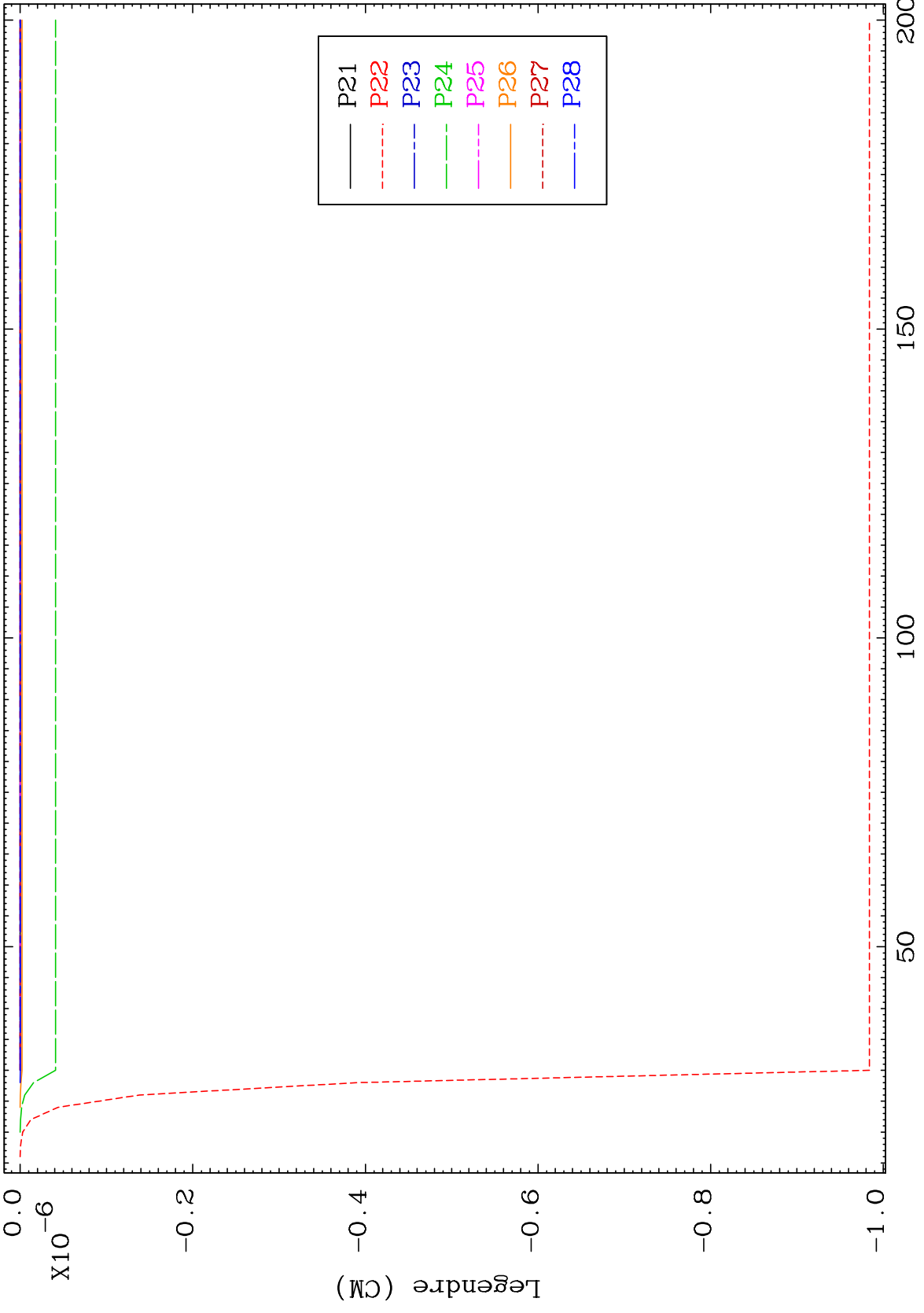


97

Incident Energy (MeV)

70-Yb-175

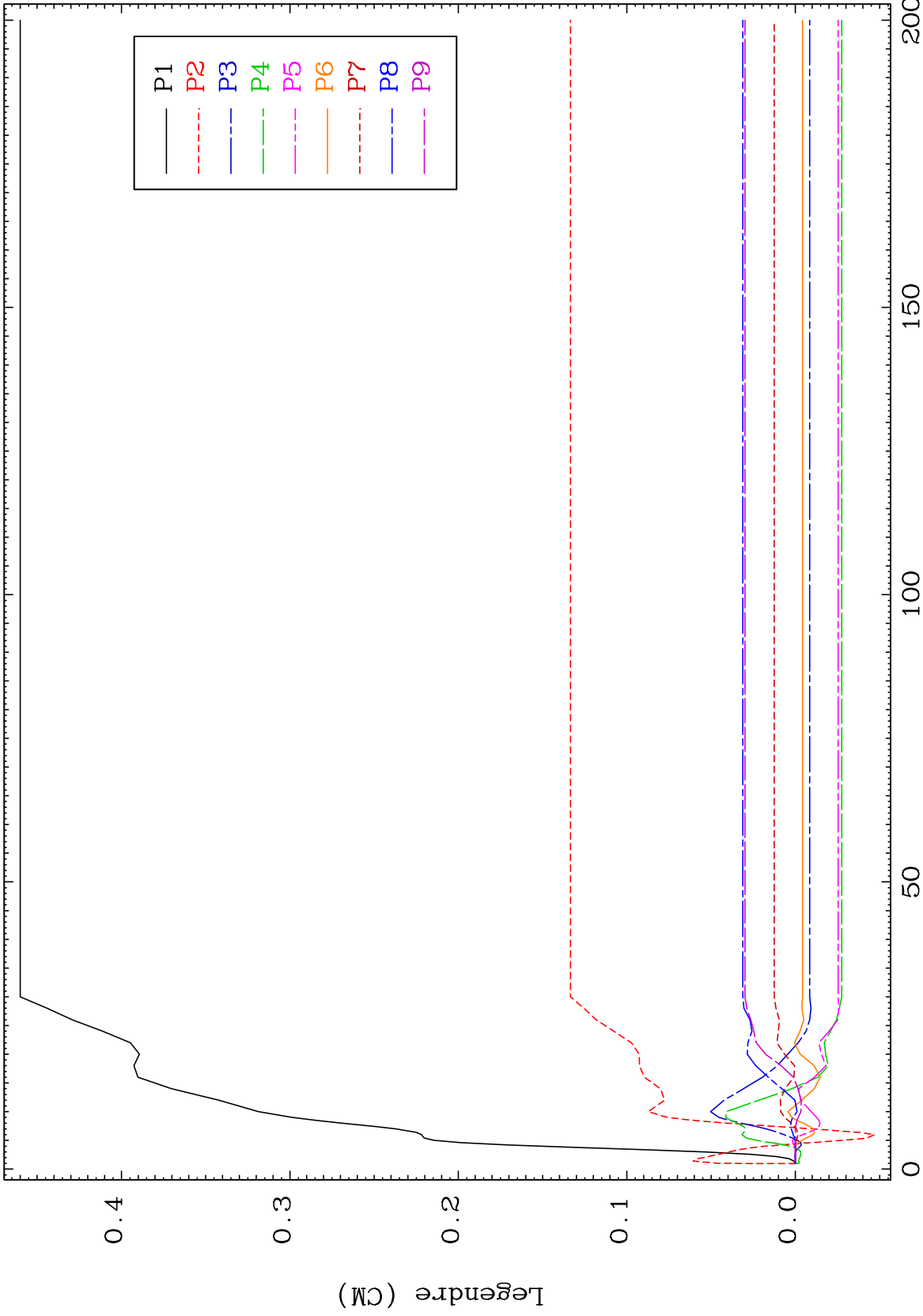
MAT 7046 MT= 72 (n,n') Level Legendre Coefficients 70-Yb-175



MAT 7046

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

70-Yb-175



99

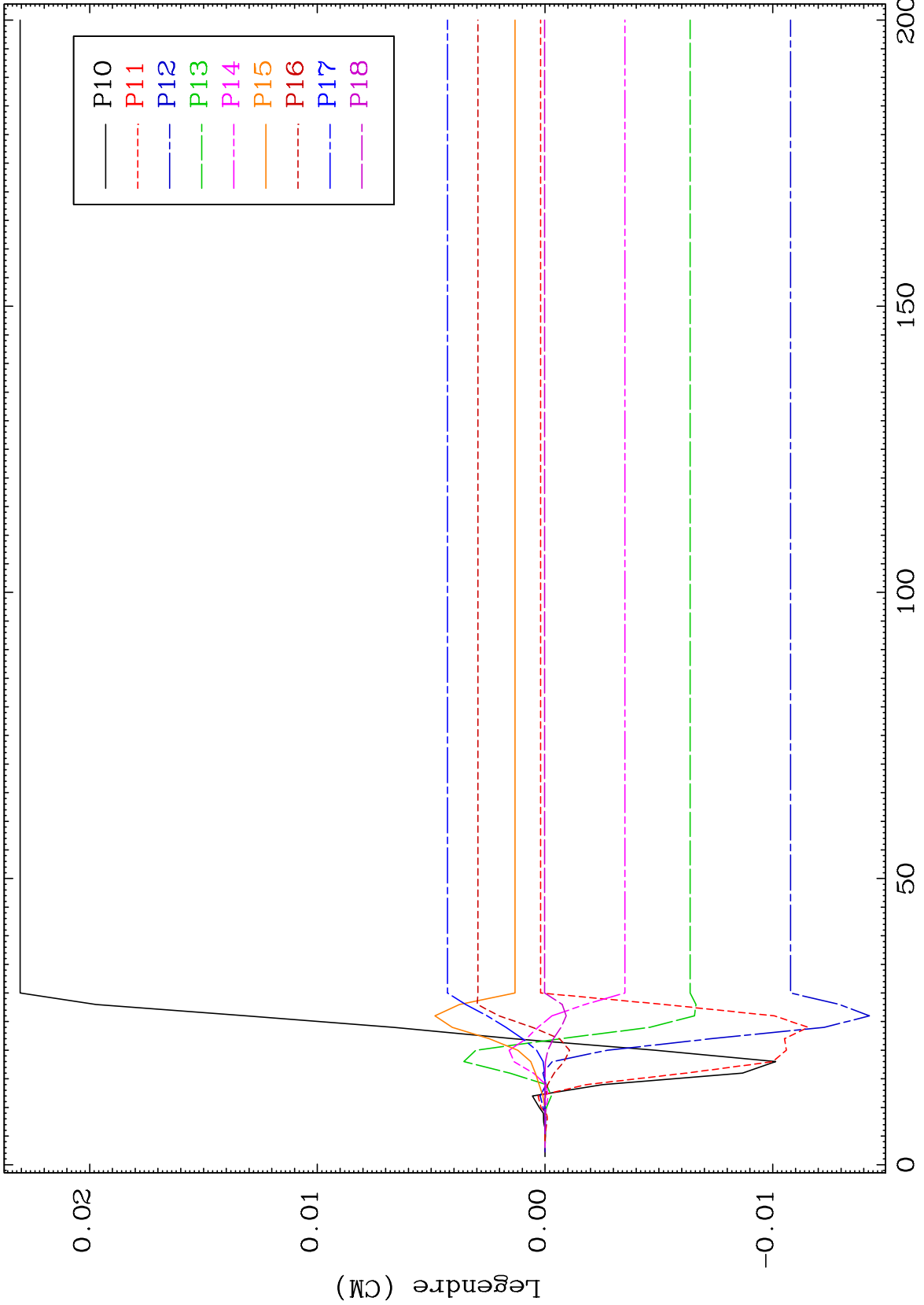
Incident Energy (MeV)

70-Yb-175

MAT 7046

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

70-Yb-175



70-Yb-175

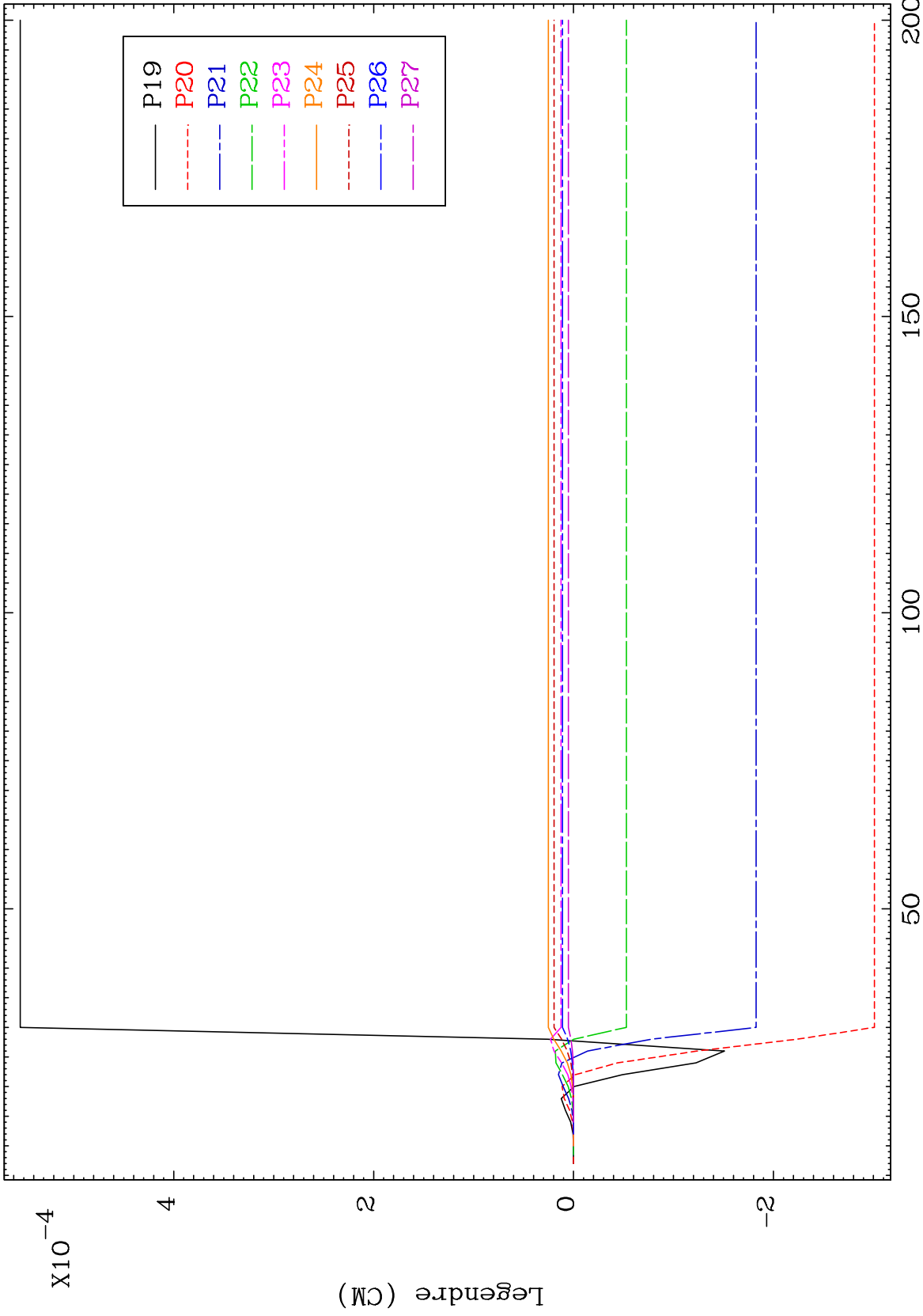
Incident Energy (MeV)

100

MAT 7046

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

70-Yb-175



101

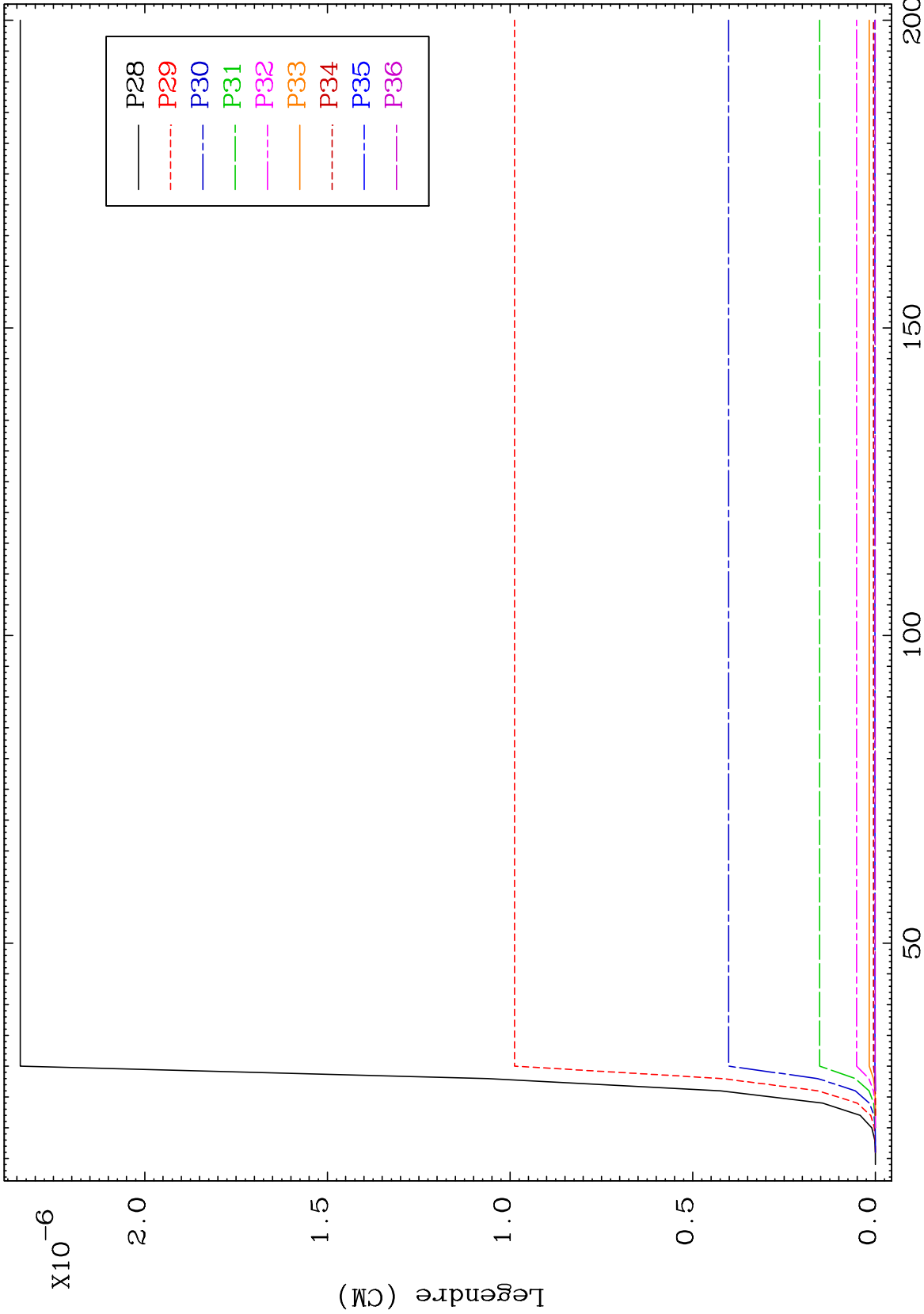
Incident Energy (MeV)

70-Yb-175

MAT 7046

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

70-Yb-175

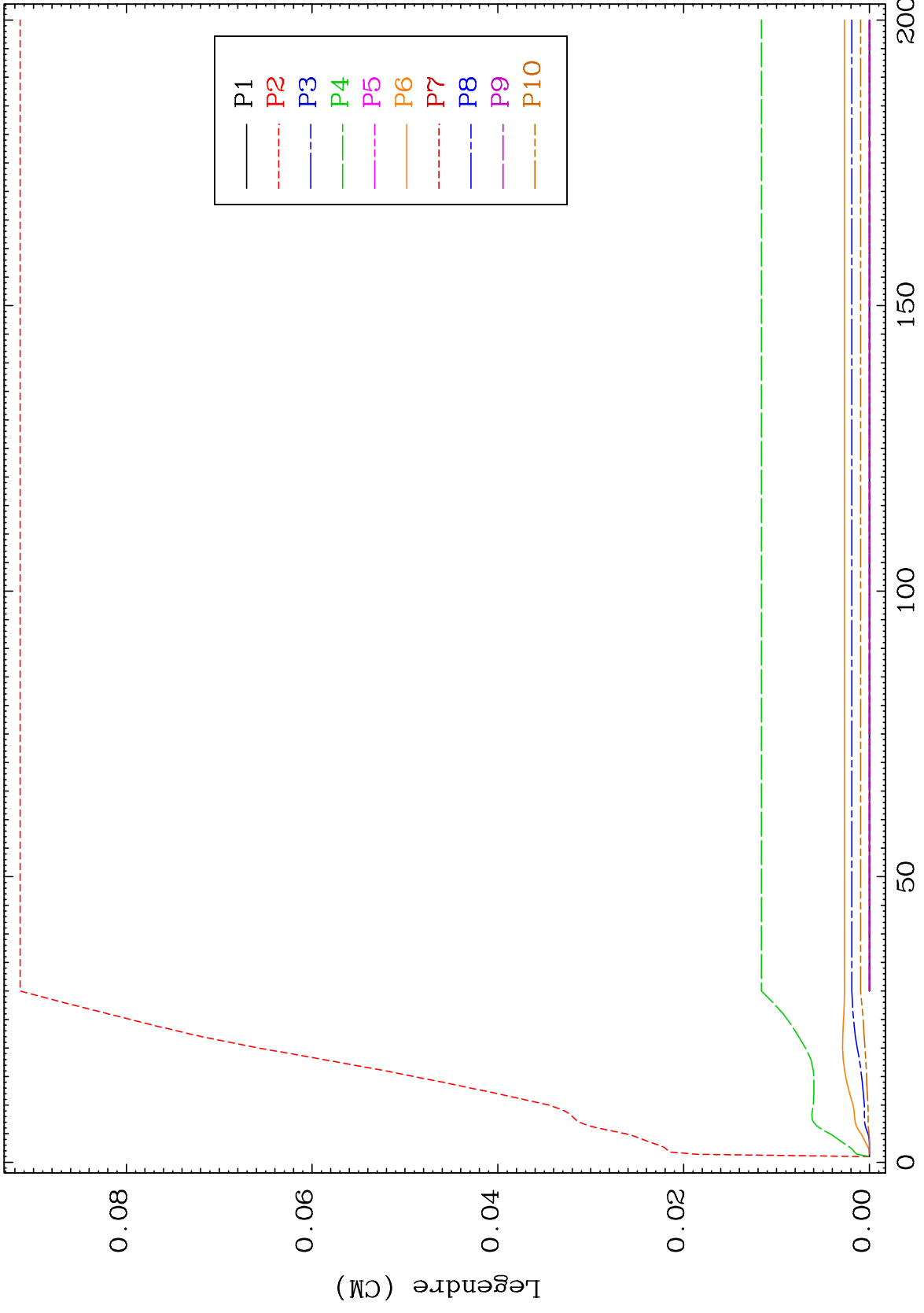


102

Incident Energy (MeV)

70-Yb-175

MAT 7046 MT= 74 (n,n') Level Legendre Coefficients 70-Yb-175

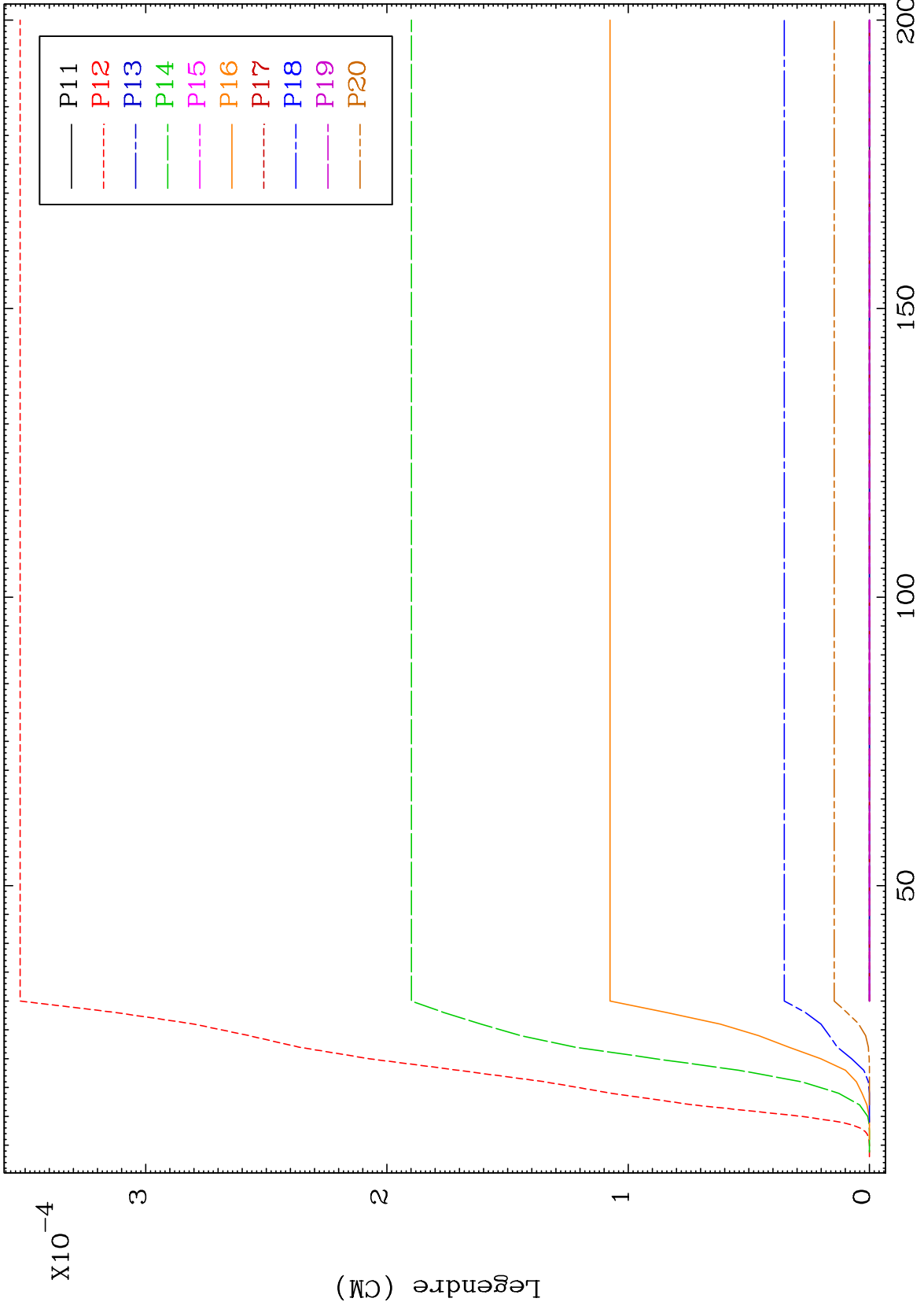


103 Incident Energy (MeV) 70-Yb-175

MAT 7046

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

70-Yb-175

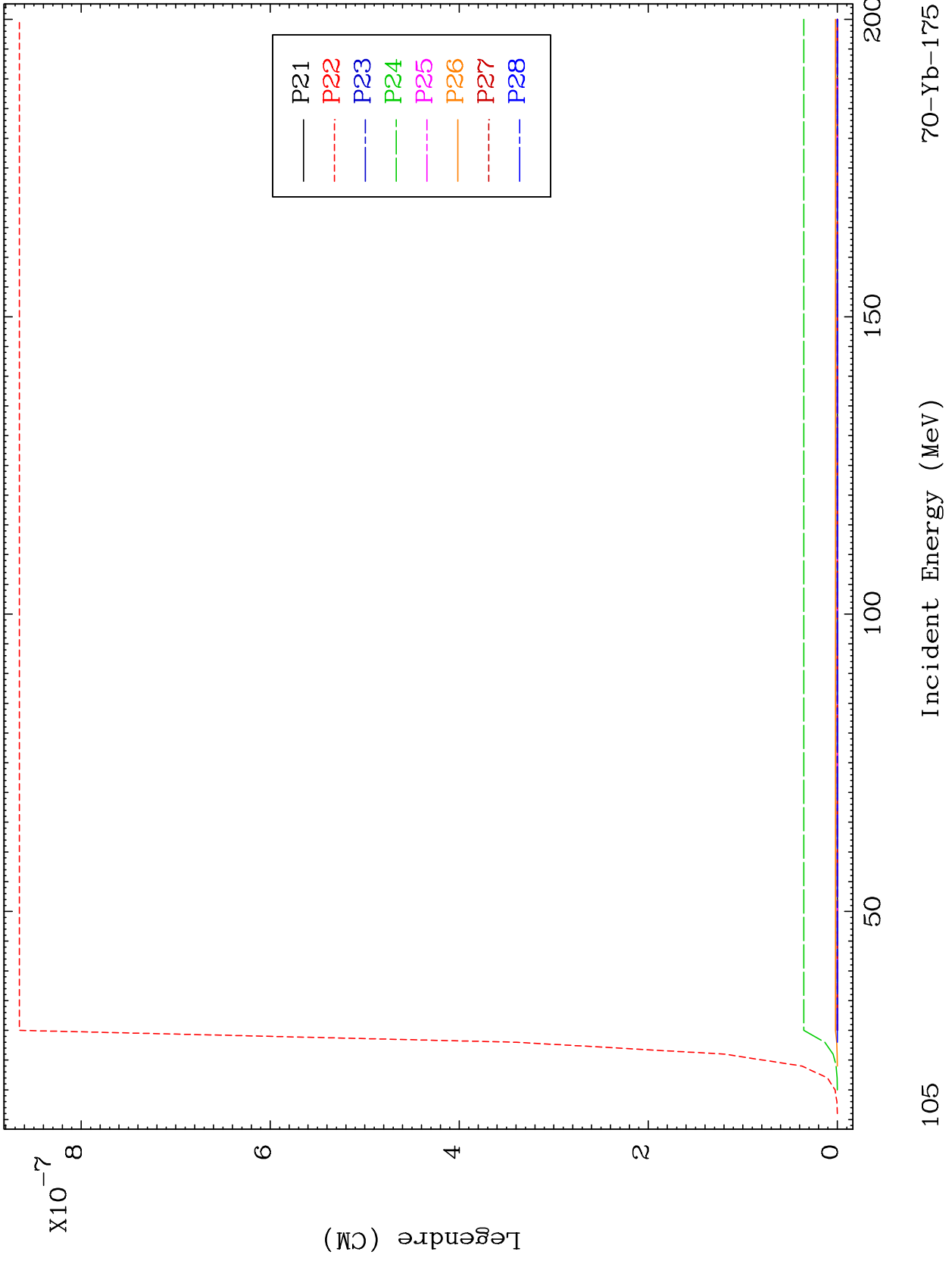


104

Incident Energy (MeV)

70-Yb-175

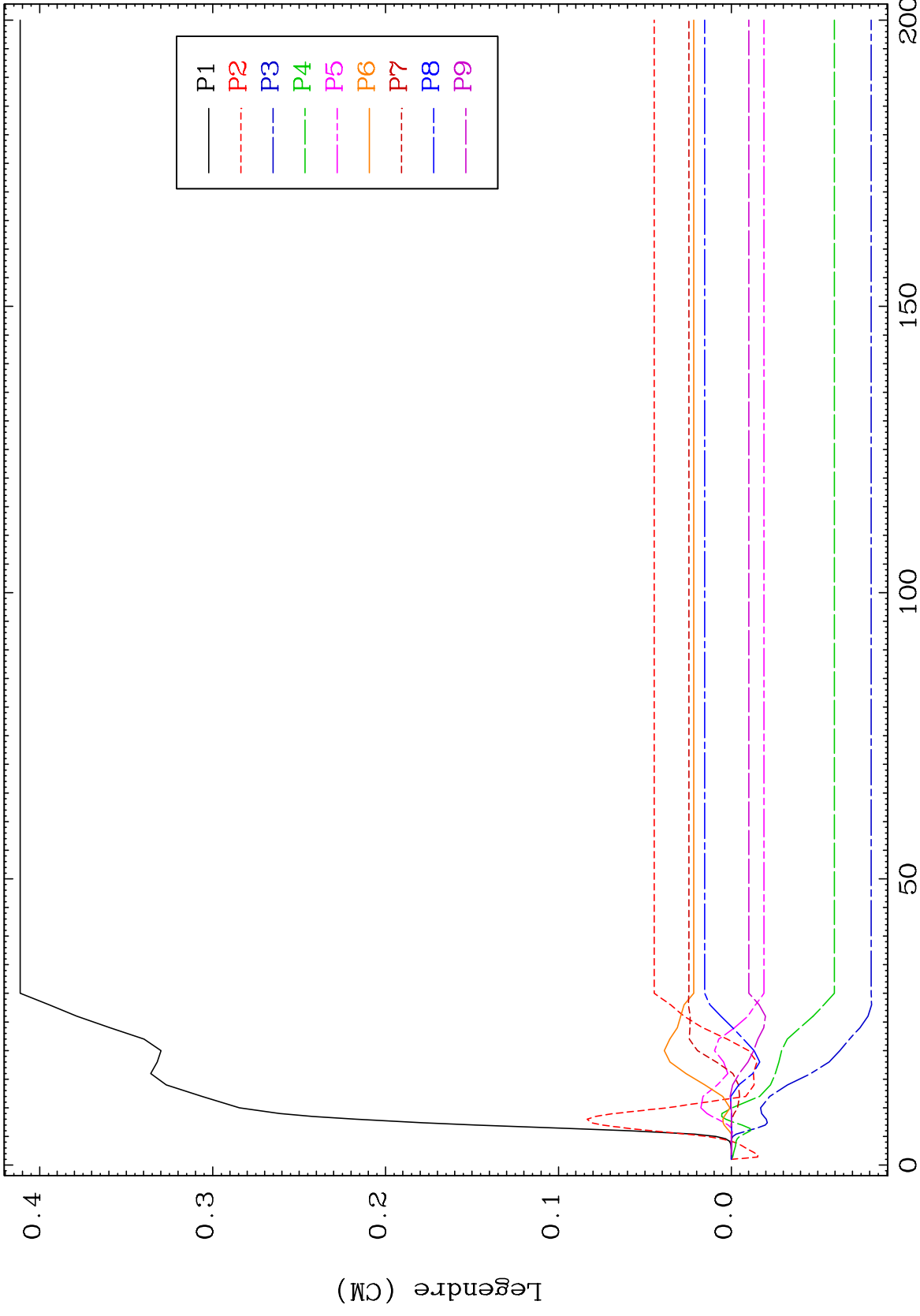
MAT 7046 MT= 74 (n, n') Level Legendre Coefficients 70-Yb-175



MAT 7046

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

70-Yb-175

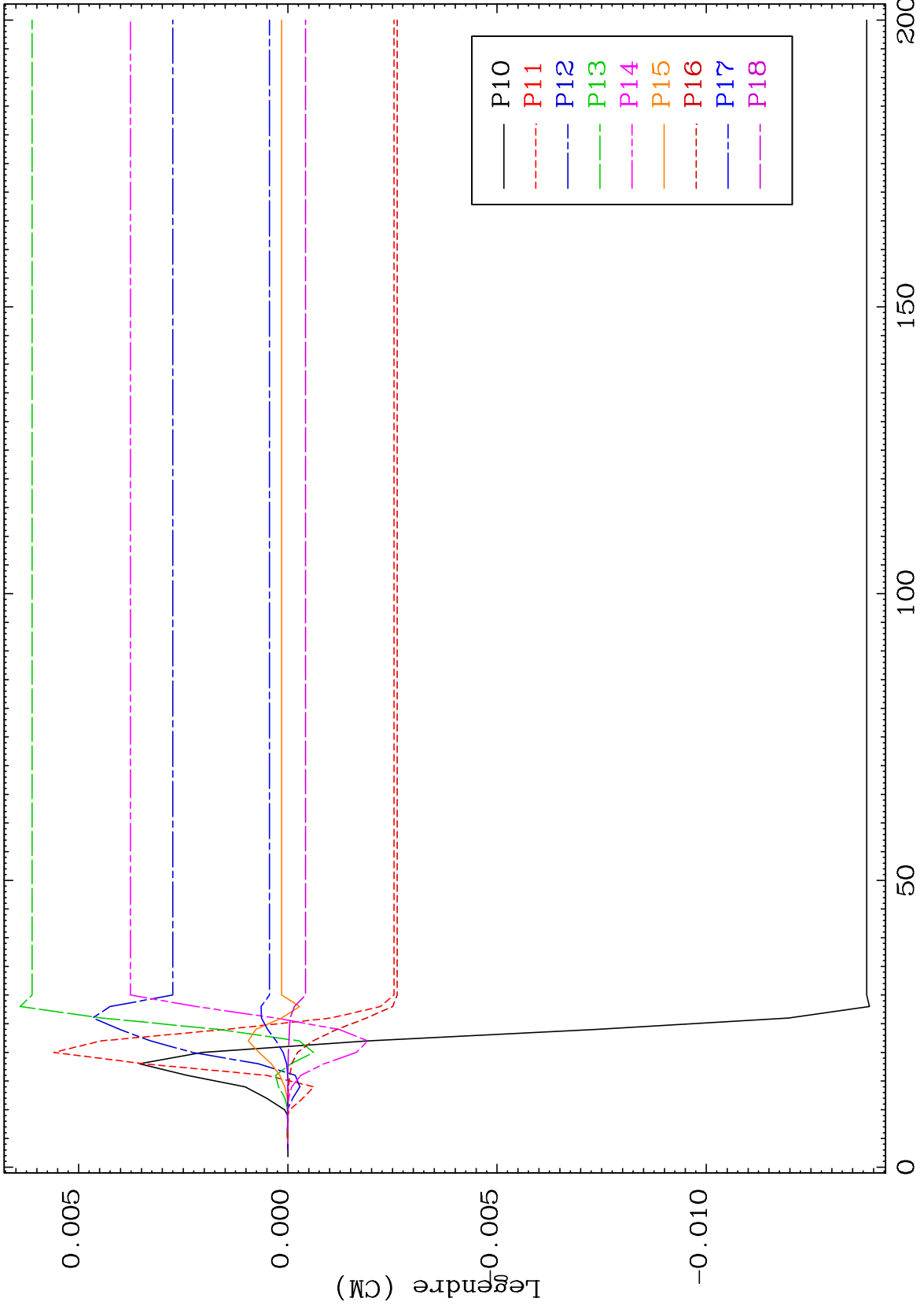


106

Incident Energy (MeV)

70-Yb-175

MAT 7046 MT= 75 (n,n') Level Legendre Coefficients 70-Yb-175

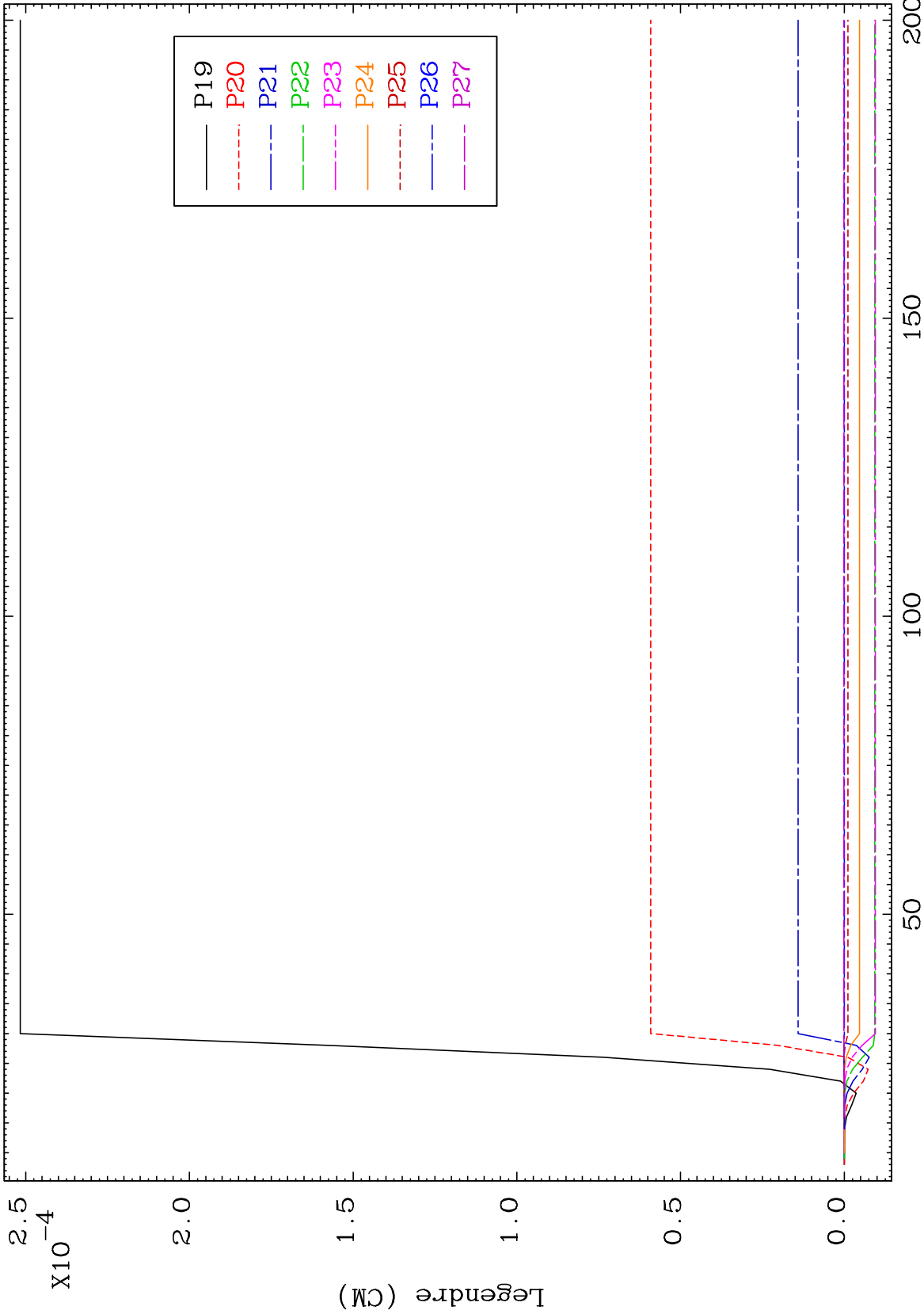


107 70-Yb-175

MAT 7046

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

70-Yb-175



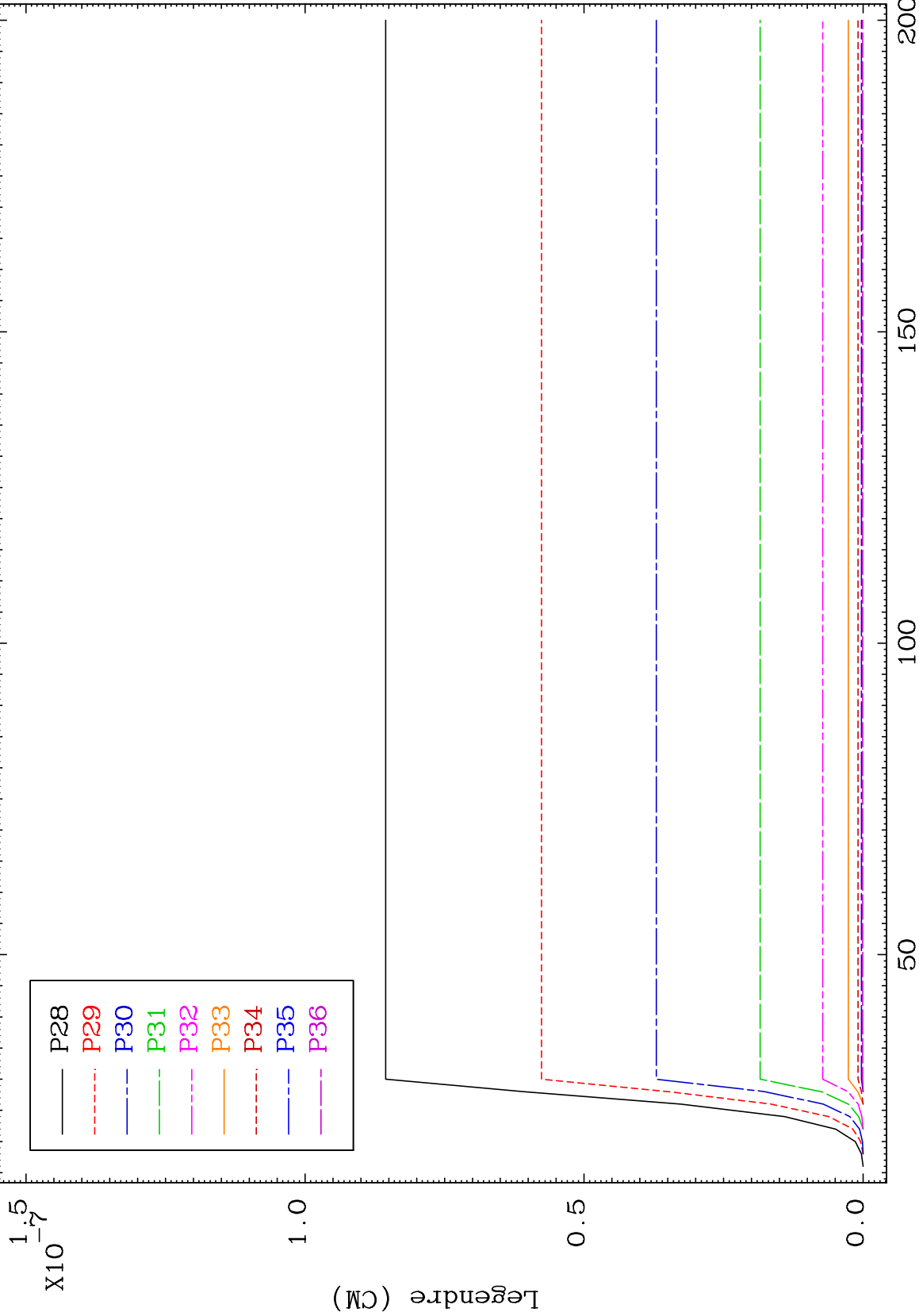
108

70-Yb-175

MAT 7046

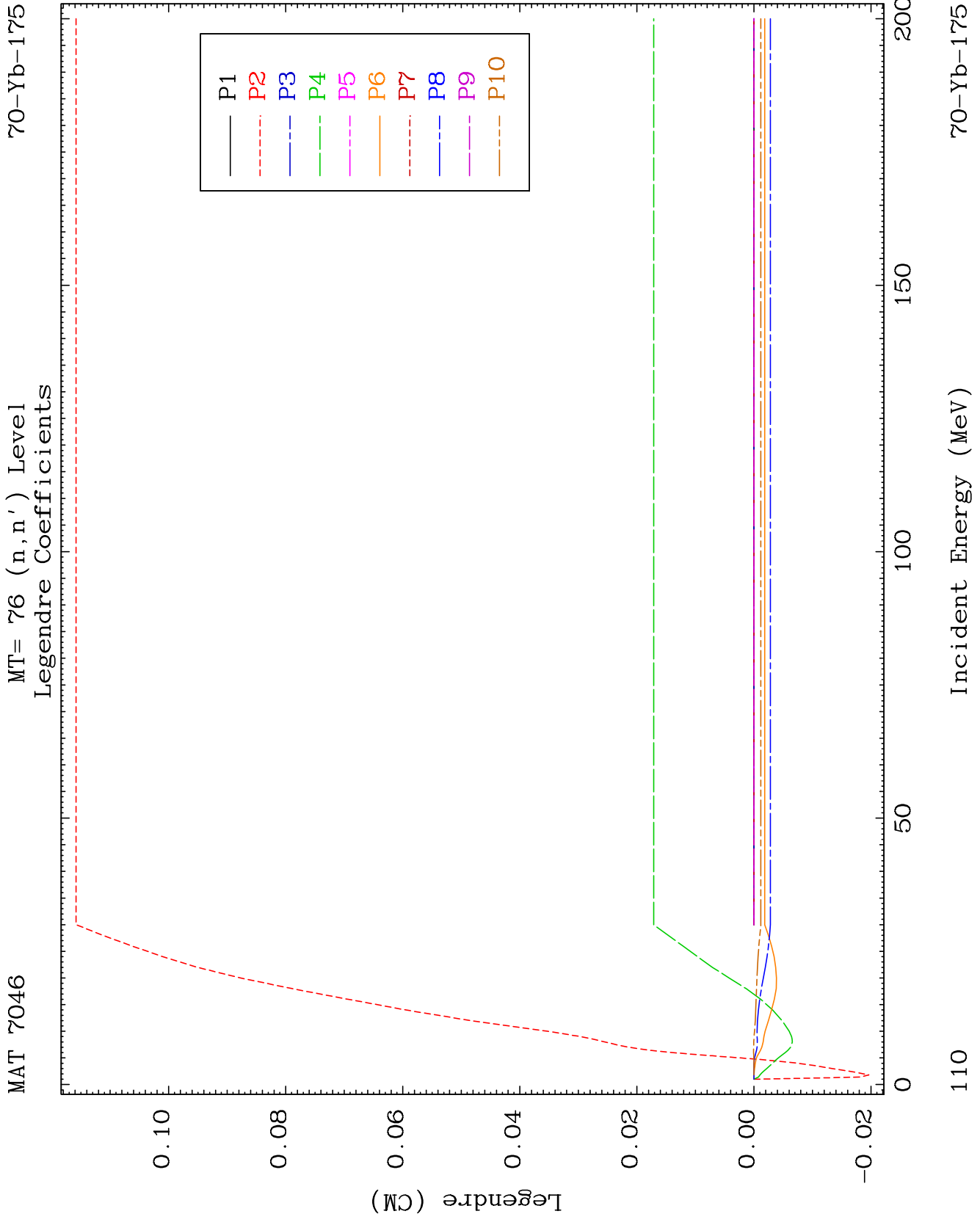
MT= 75 (n,n') Level
Legendre Coefficients

70-Yb-175

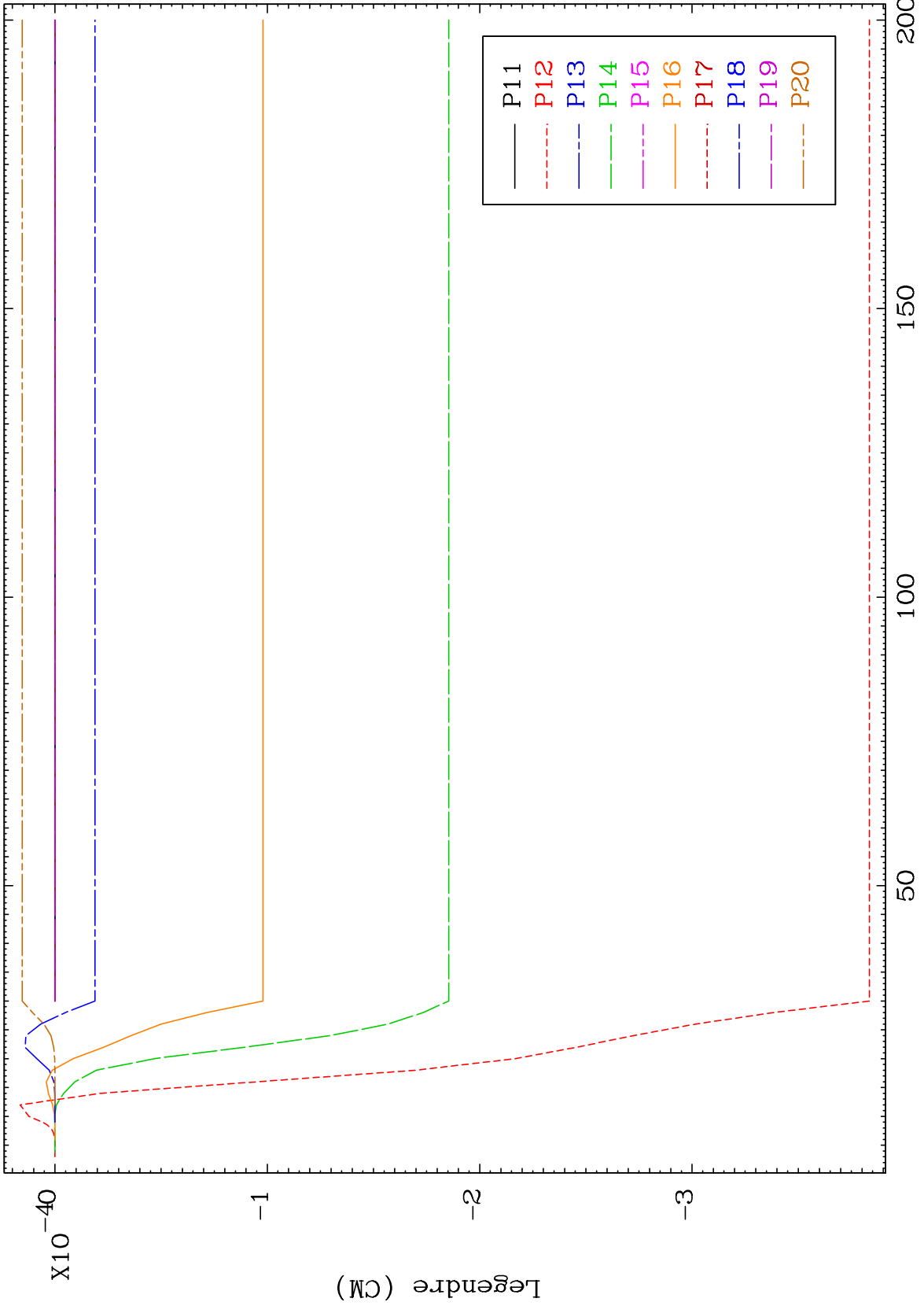


109

70-Yb-175



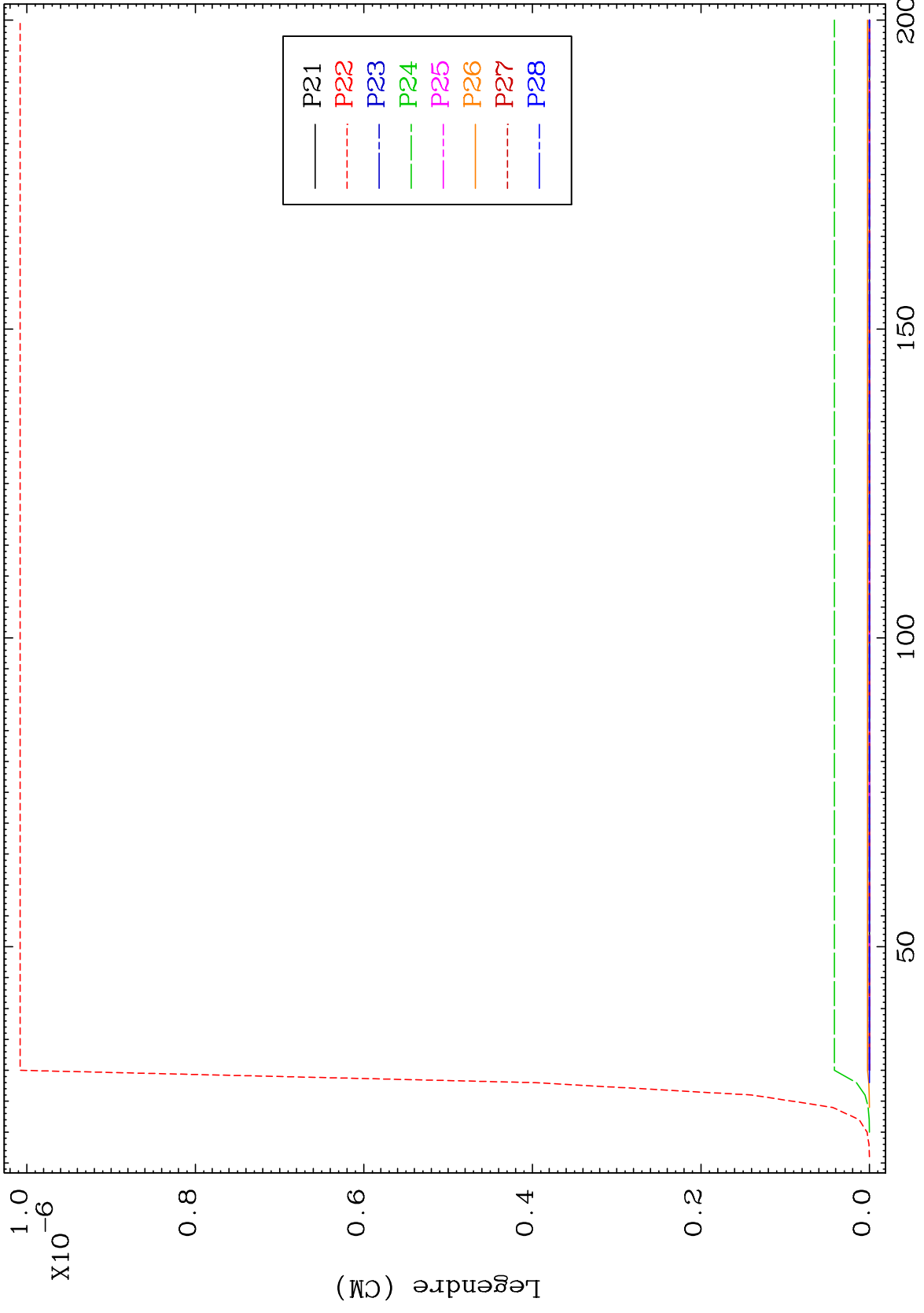
MAT 7046 MT= 76 (n,n') Level Legendre Coefficients 70-Yb-175



MAT 7046

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

70-Yb-175

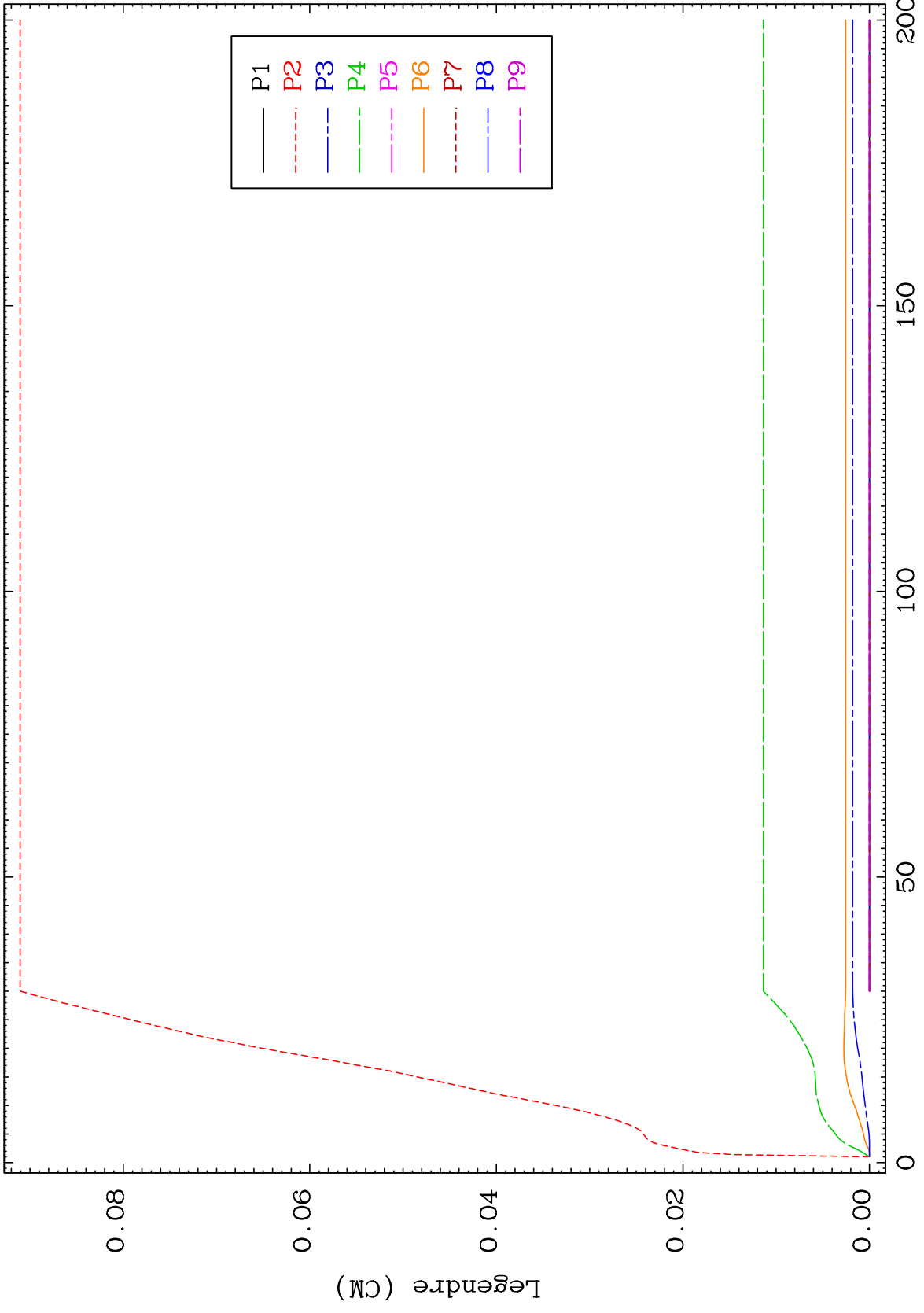


112

Incident Energy (MeV)

70-Yb-175

MAT 7046 MT= 77 (n,n') Level Legendre Coefficients 70-Yb-175

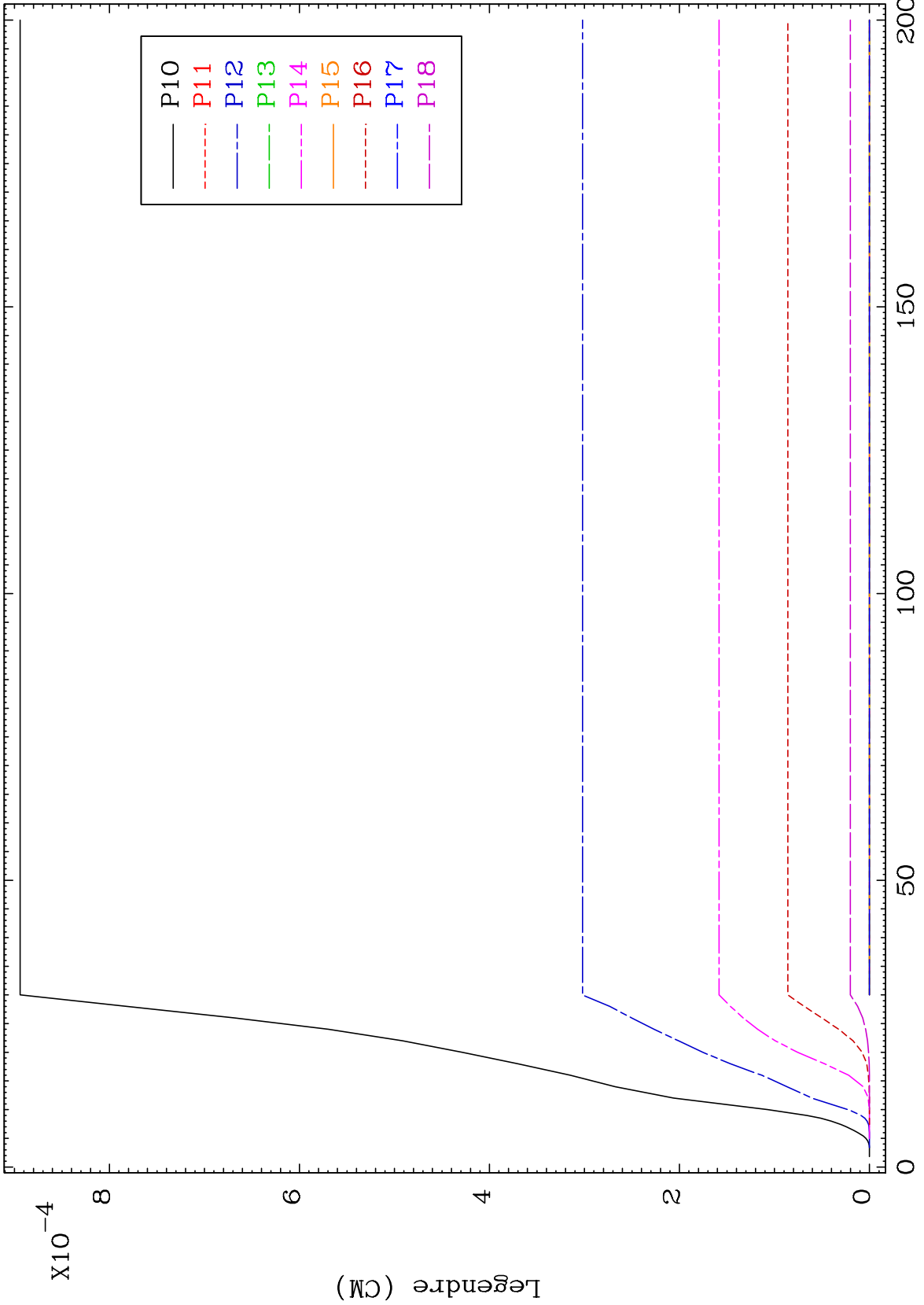


113 70-Yb-175

MAT 7046

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

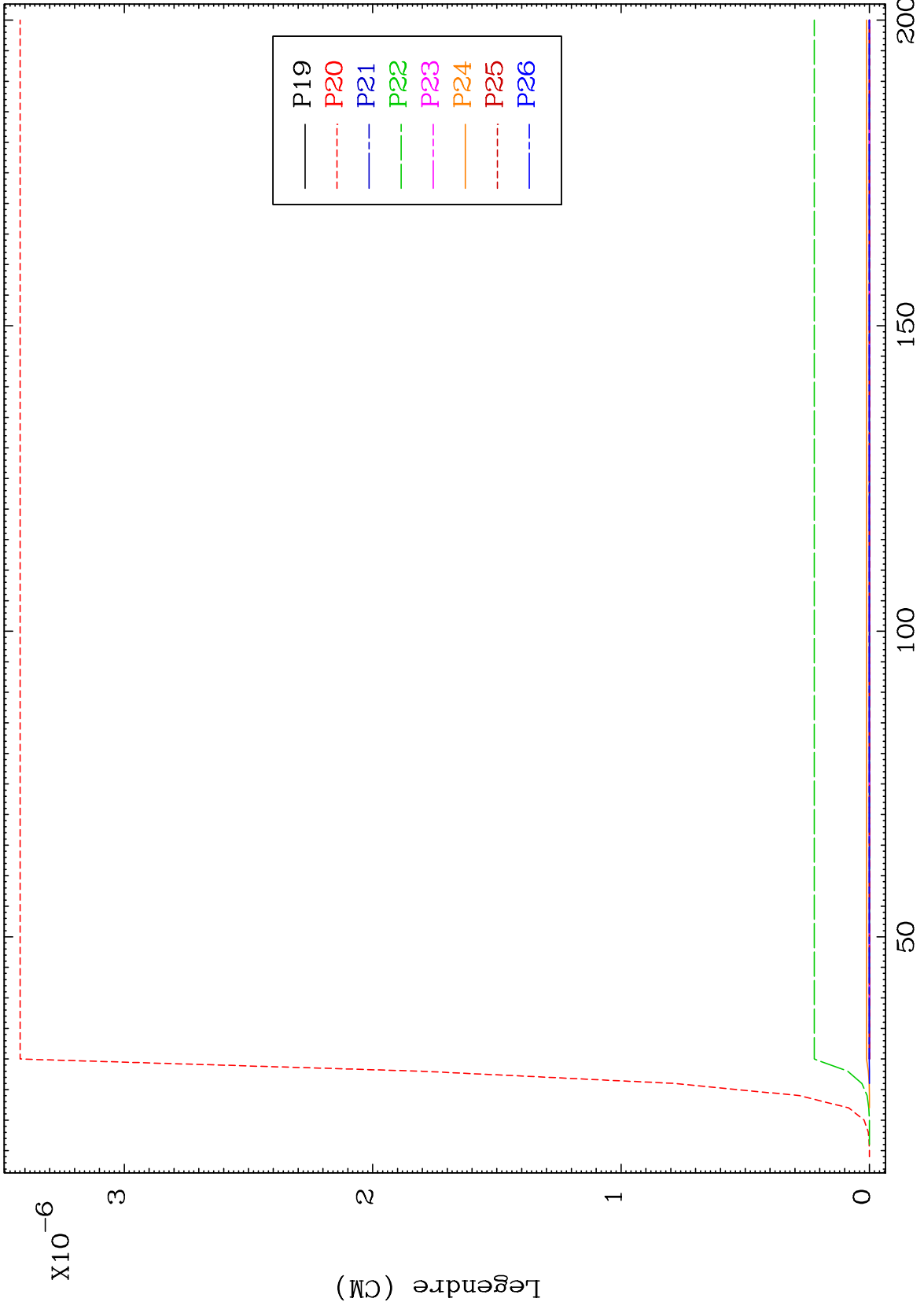
70-Yb-175



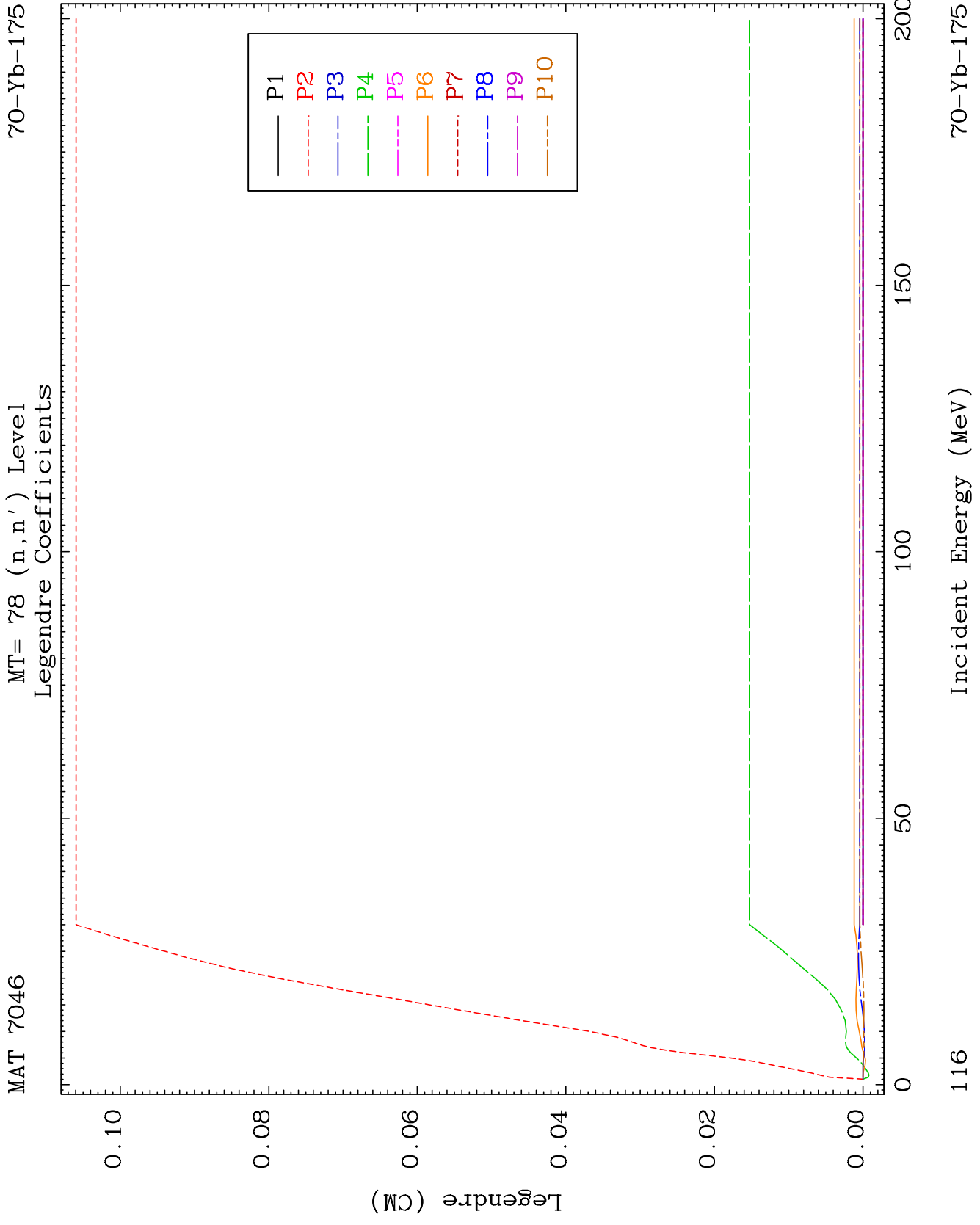
114

70-Yb-175

MAT 7046 MT= 77 (n,n') Level Legendre Coefficients 70-Yb-175



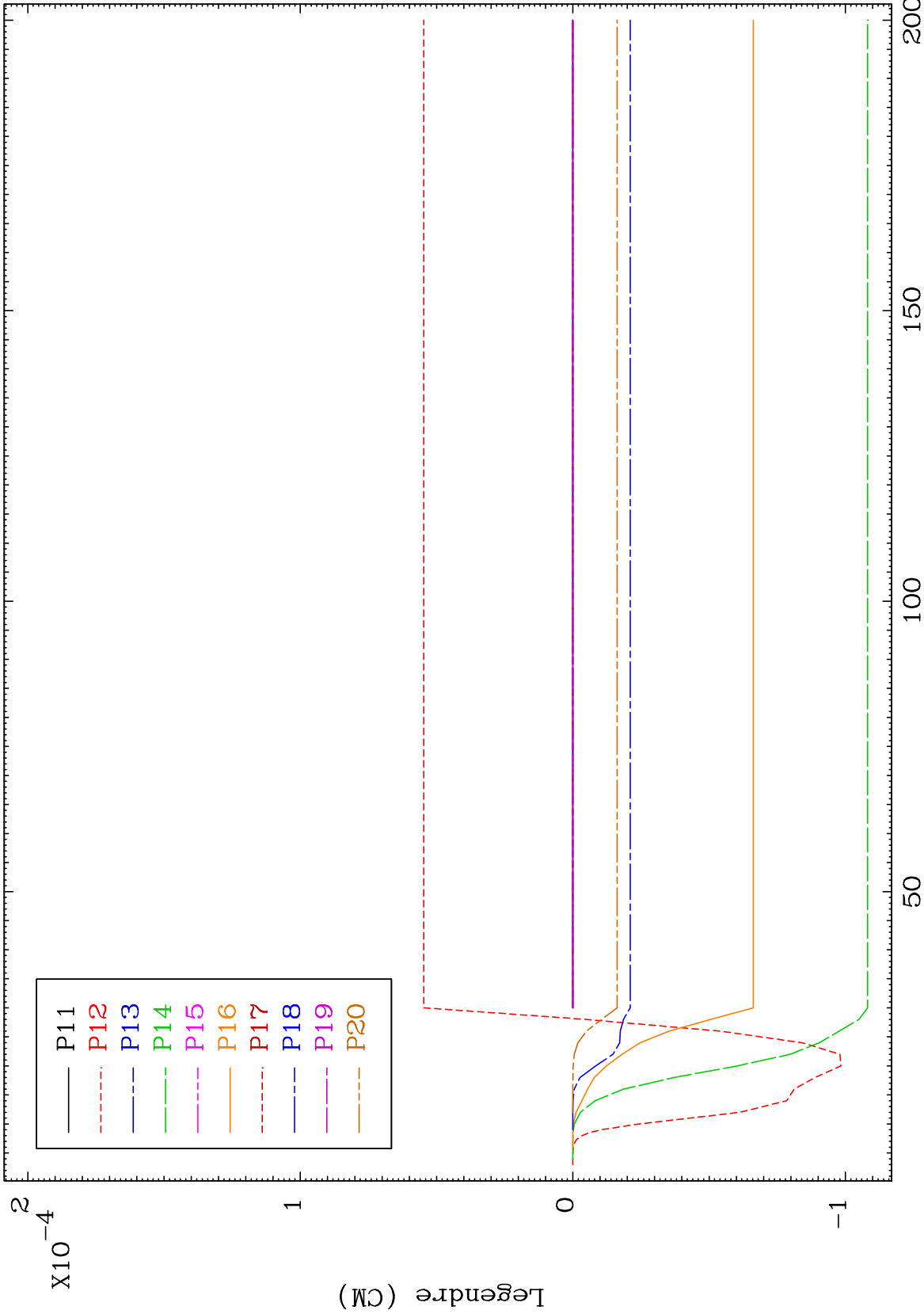
115 50 100 150 200 Incident Energy (MeV) 70-Yb-175



MAT 7046

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

70-Yb-175

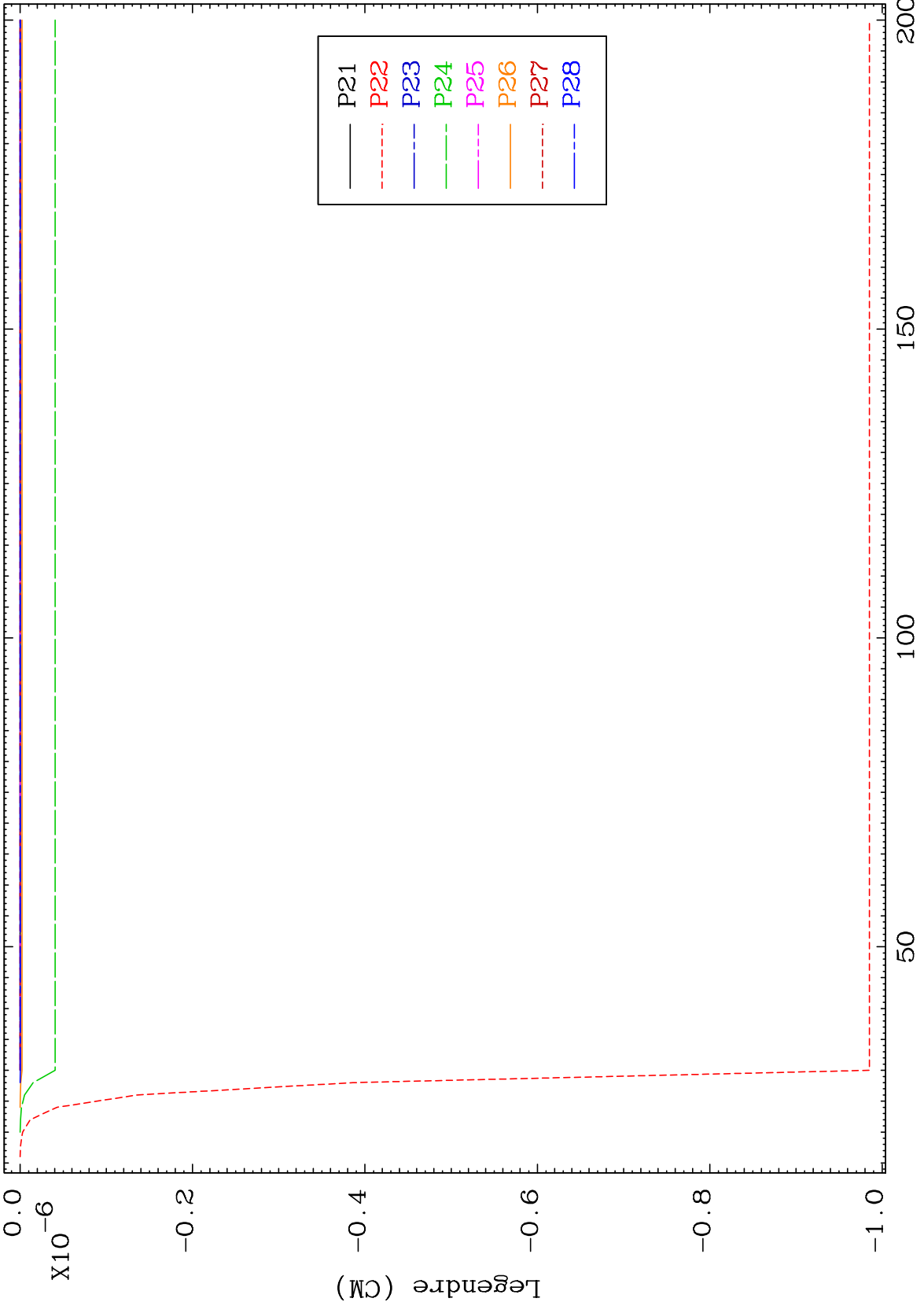


117

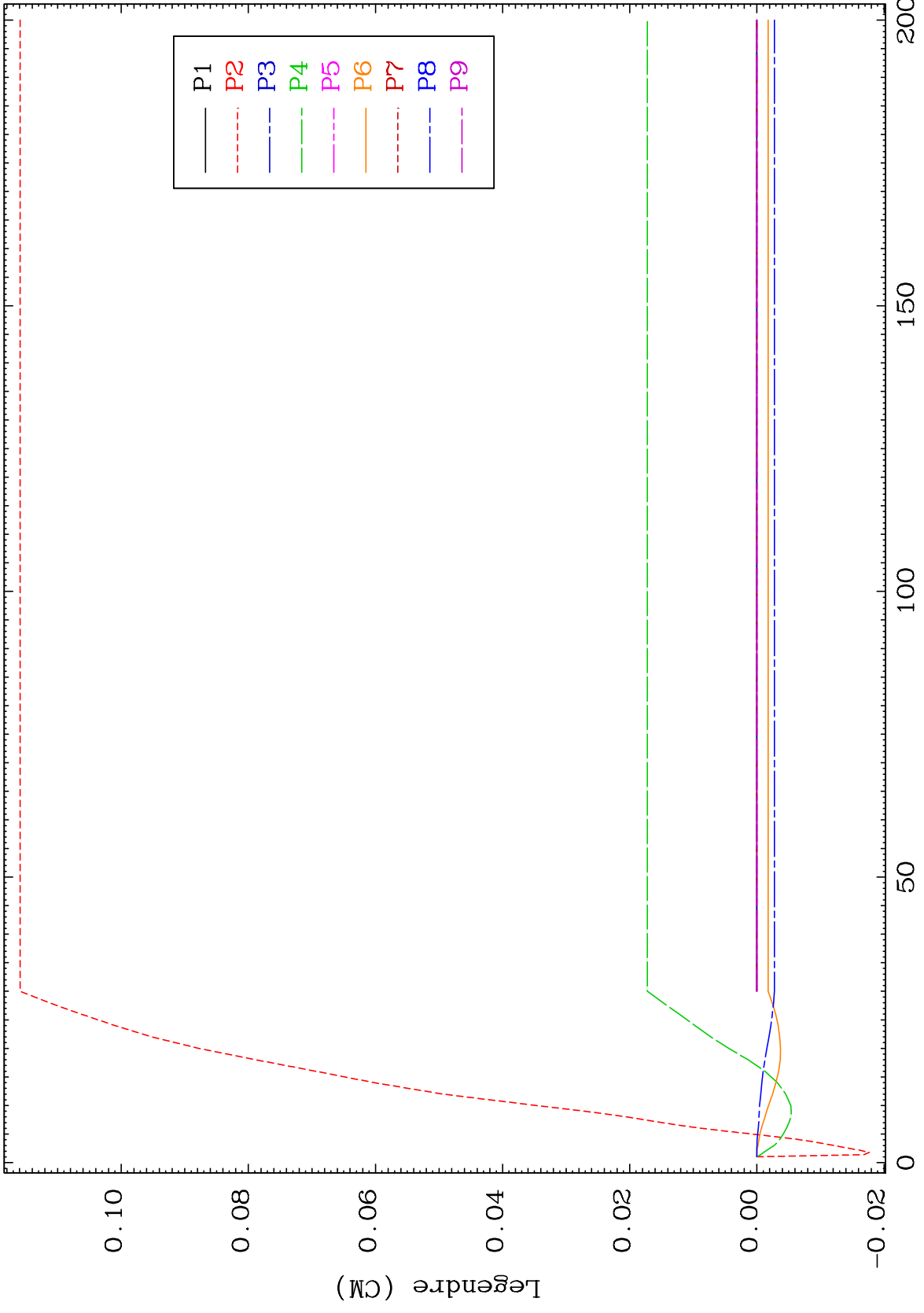
Incident Energy (MeV)

70-Yb-175

MAT 7046 MT= 78 (n,n') Level Legendre Coefficients 70-Yb-175

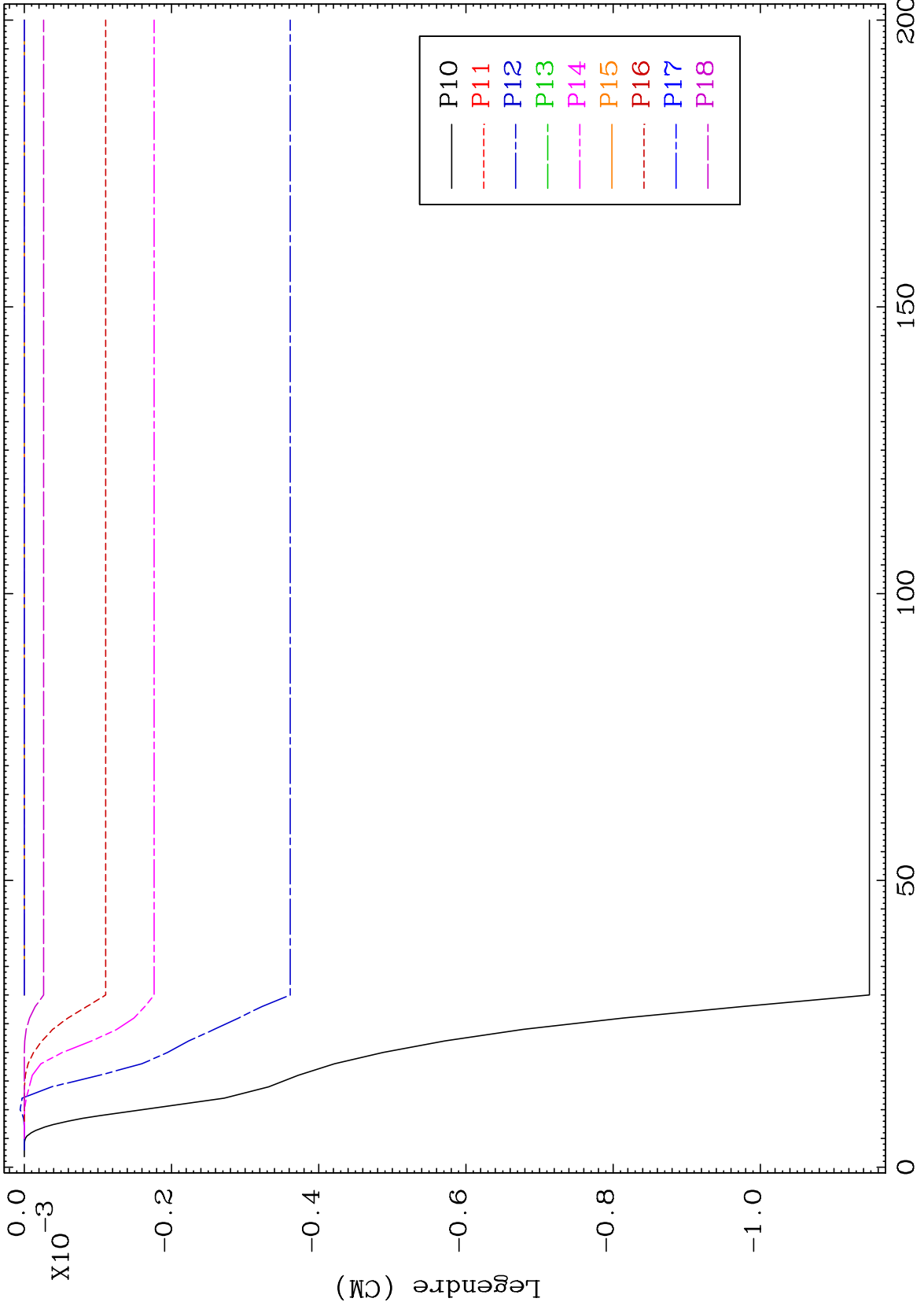


MAT 7046 MT= 79 (n,n') Level Legendre Coefficients 70-Yb-175



119 70-Yb-175

MAT 7046 MT= 79 (n,n') Level Legendre Coefficients 70-Yb-175

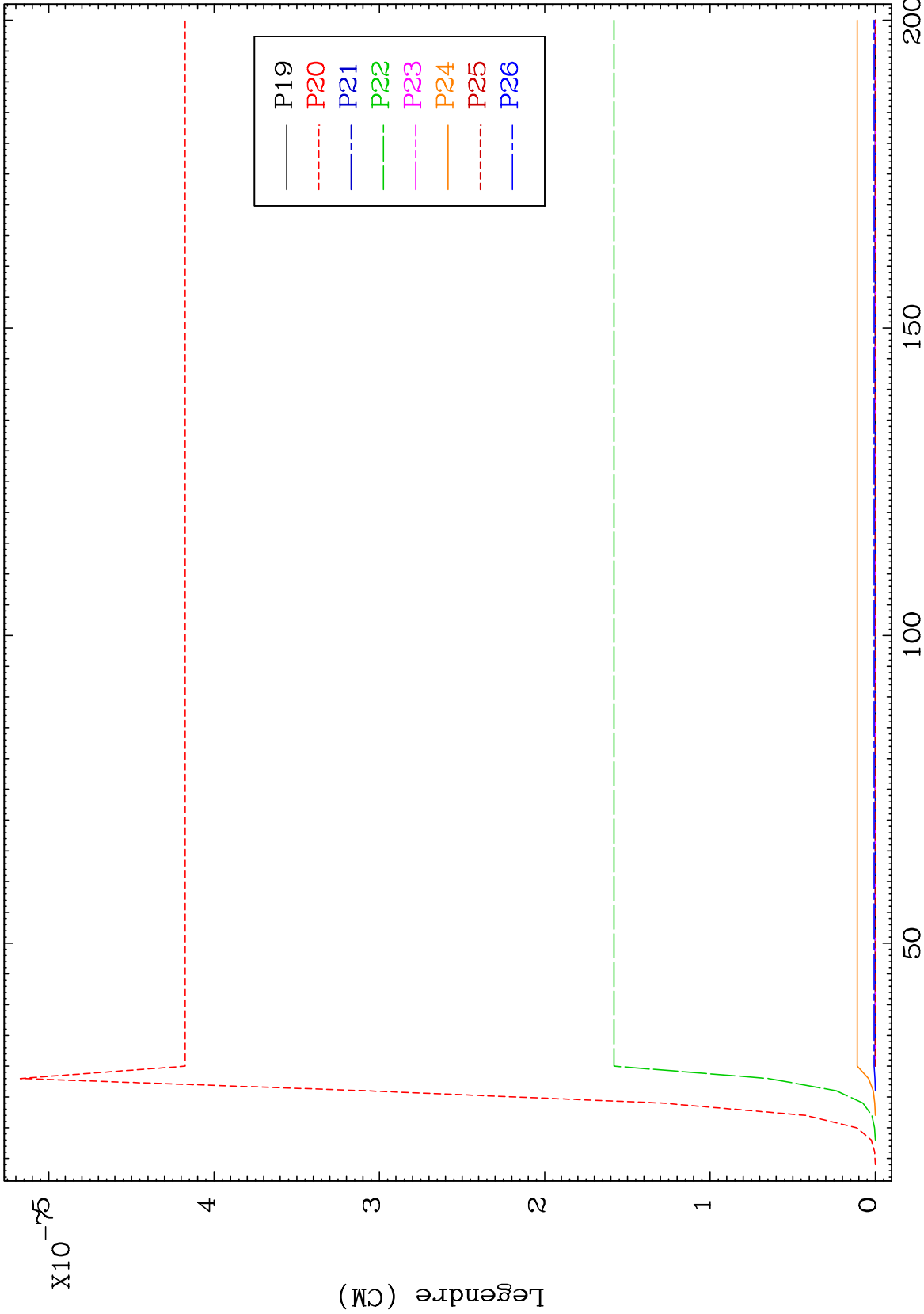


120 50 100 150 200 70-Yb-175

MAT 7046

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

70-Yb-175



121

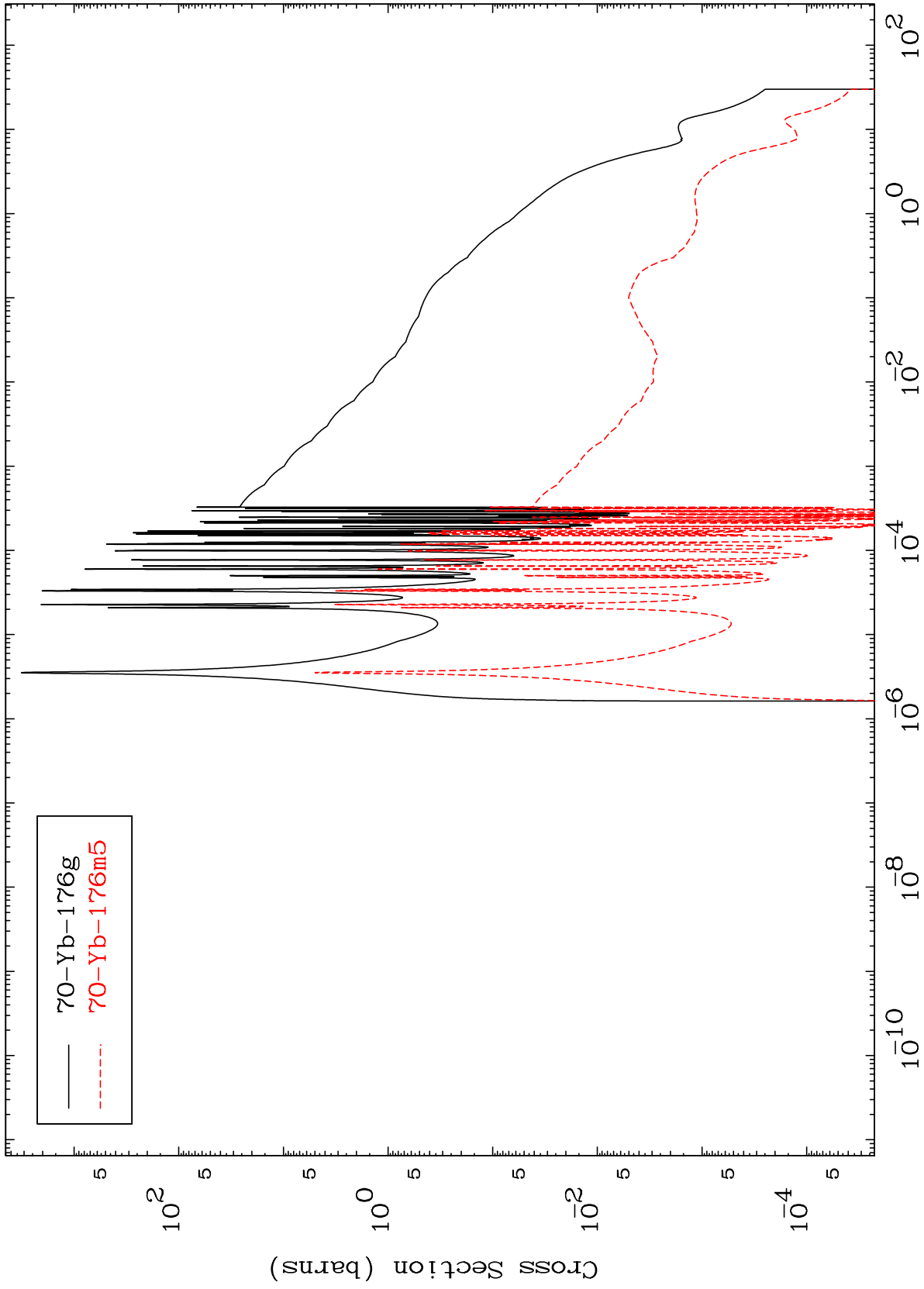
Incident Energy (MeV)

70-Yb-175

MAT 7046

$^{70}\text{Yb-175}$

(n, γ)
Radionuclide Production Cross Section



$^{70}\text{Yb-175}$