

Program EVALPLOT
(Version 2018-1)

by

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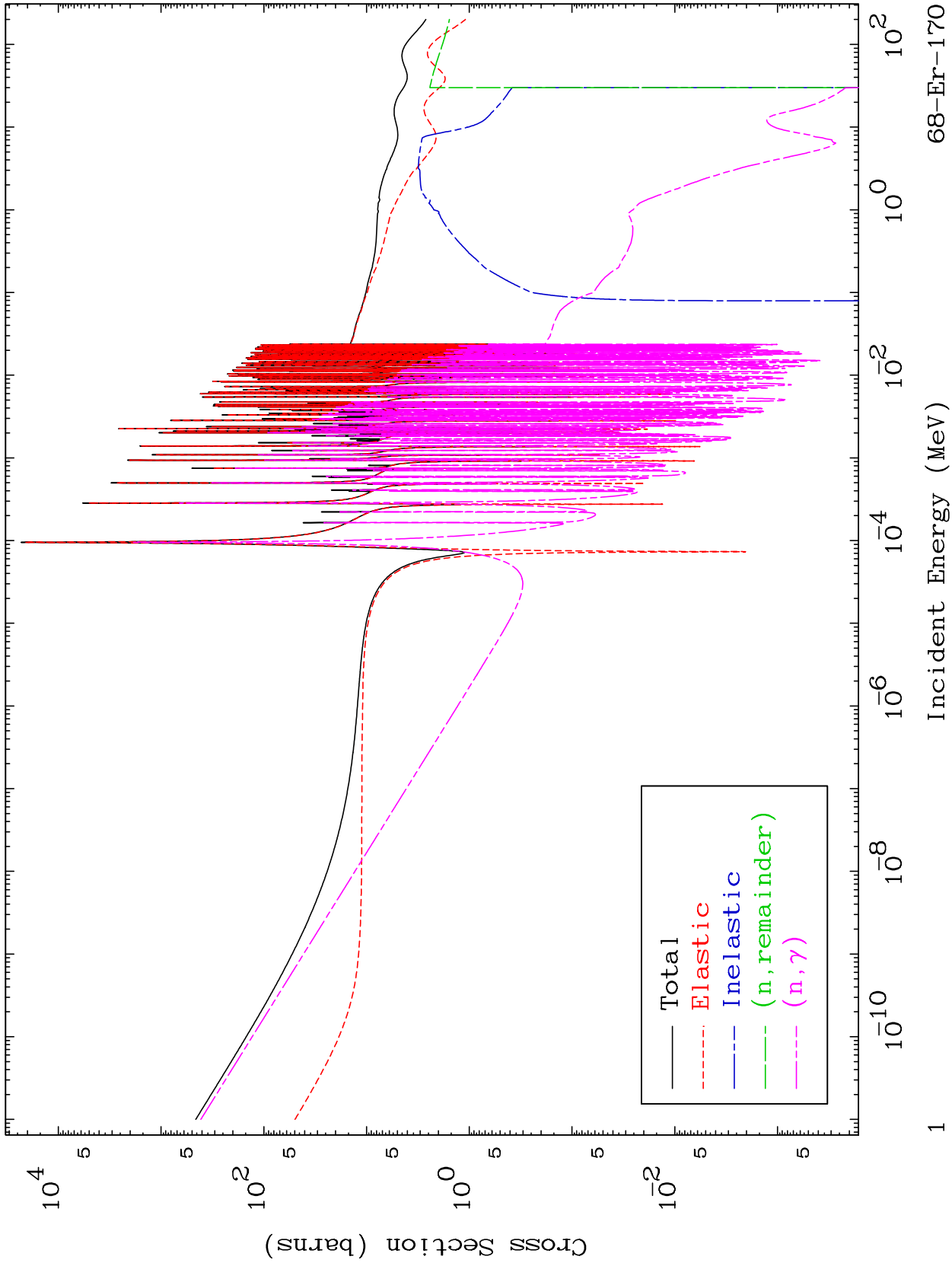
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6849

Major
293 Kelvin Cross Sections

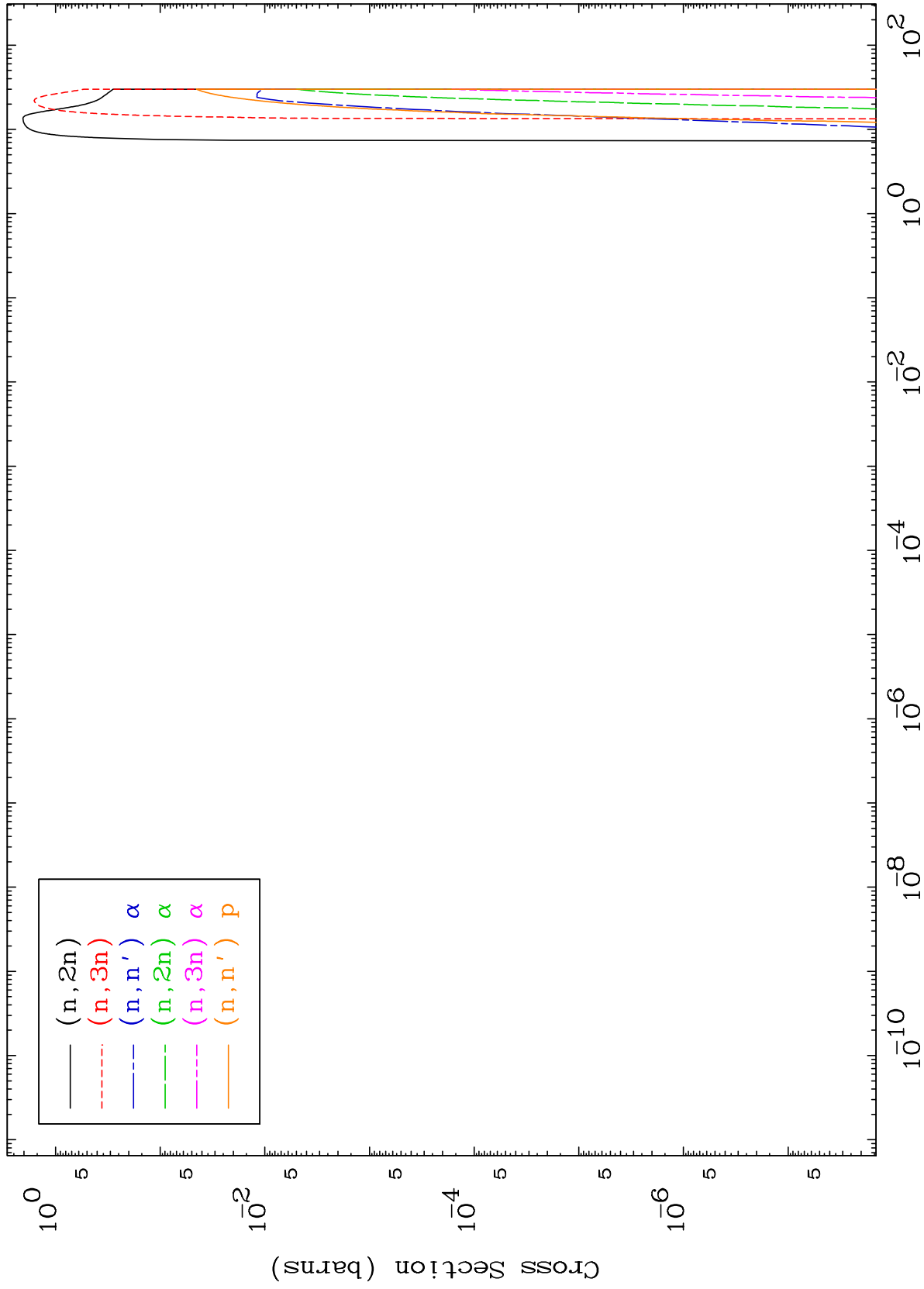
68-Er-170



MAT 6849

Neutron Production
293 Kelvin Cross Sections

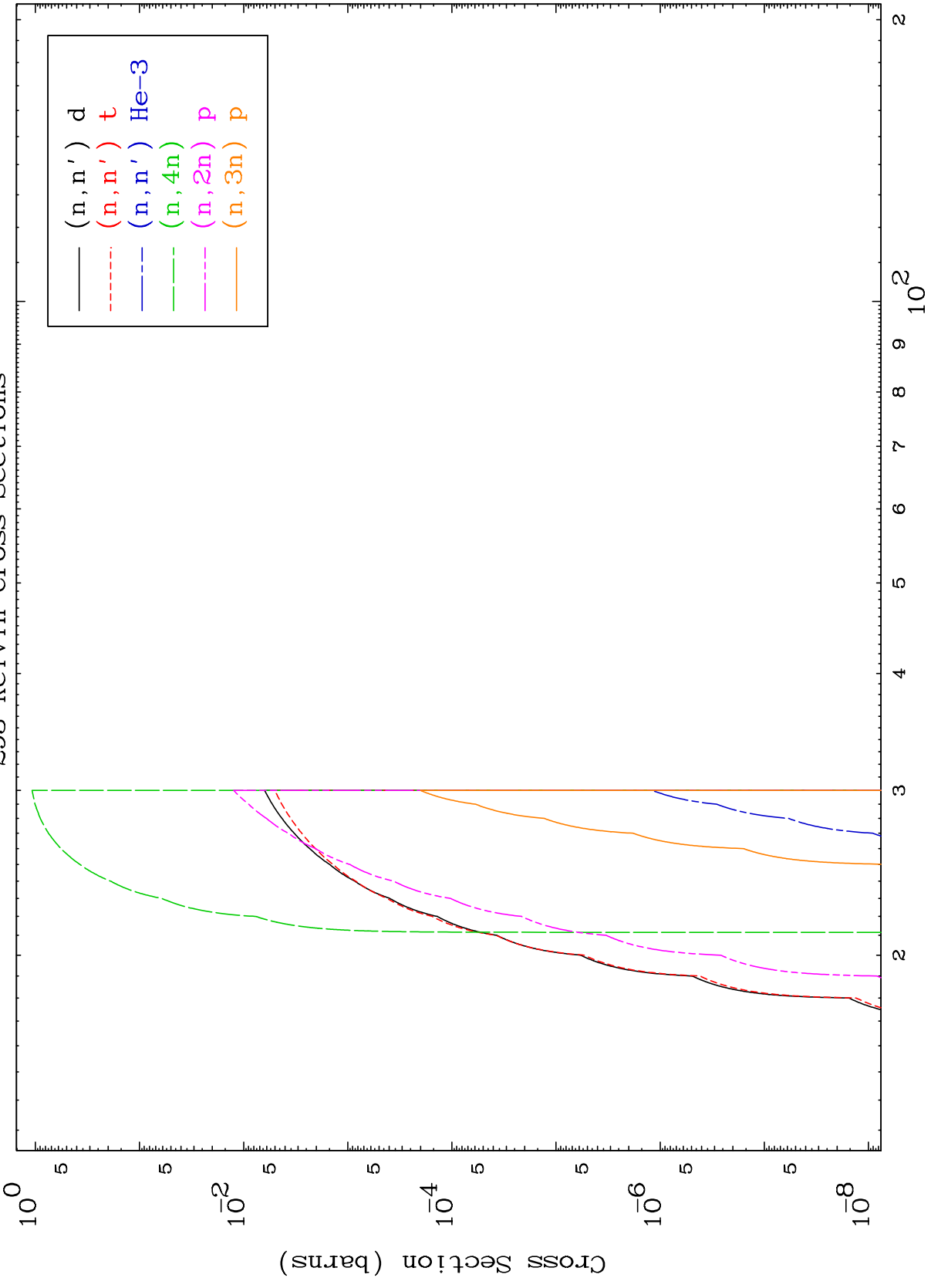
68-Er-170



2

Incident Energy (MeV)

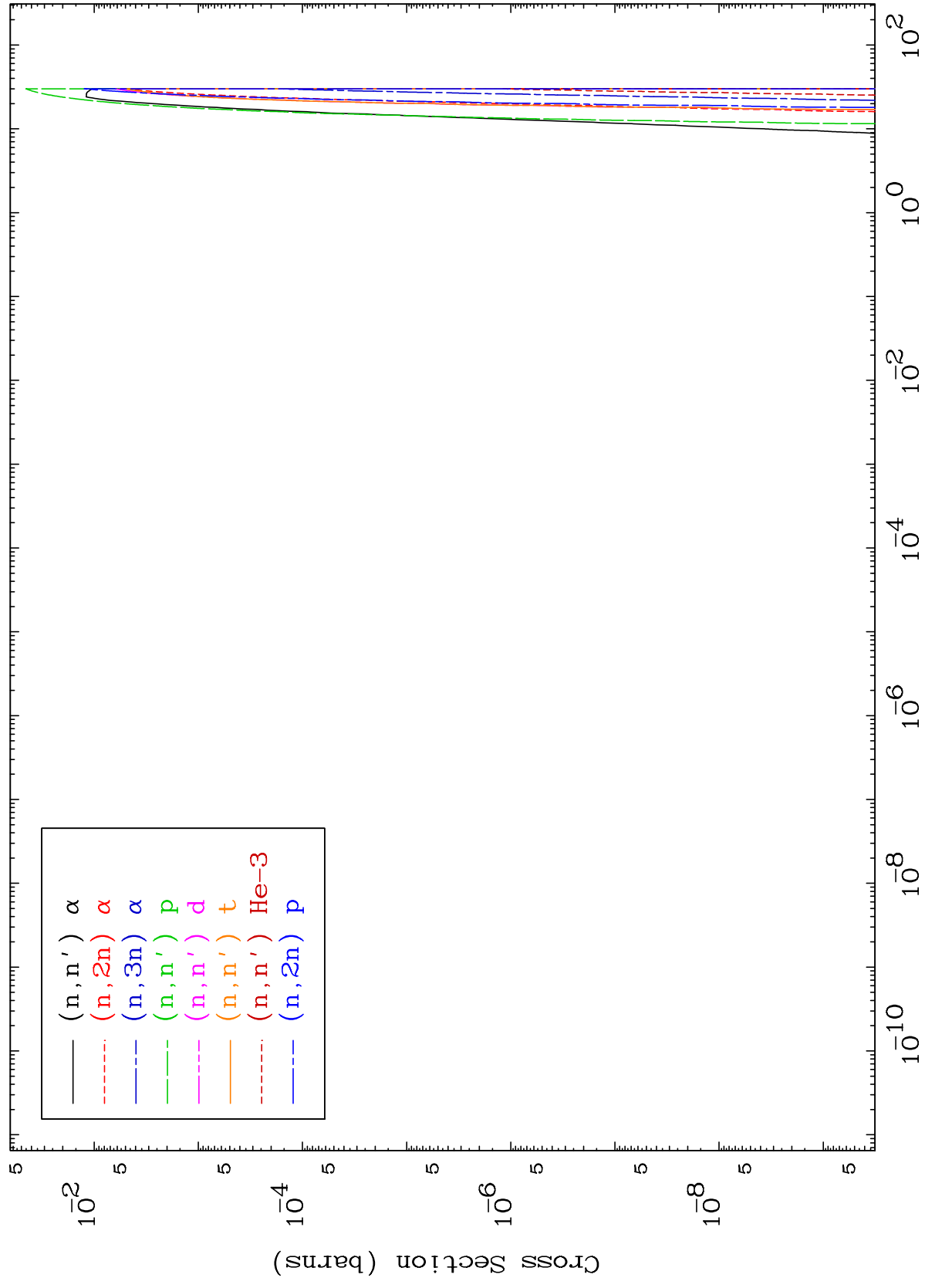
68-Er-170



MAT 6849

293 Kelvin Cross Sections
Charged Particle

68-Er-170

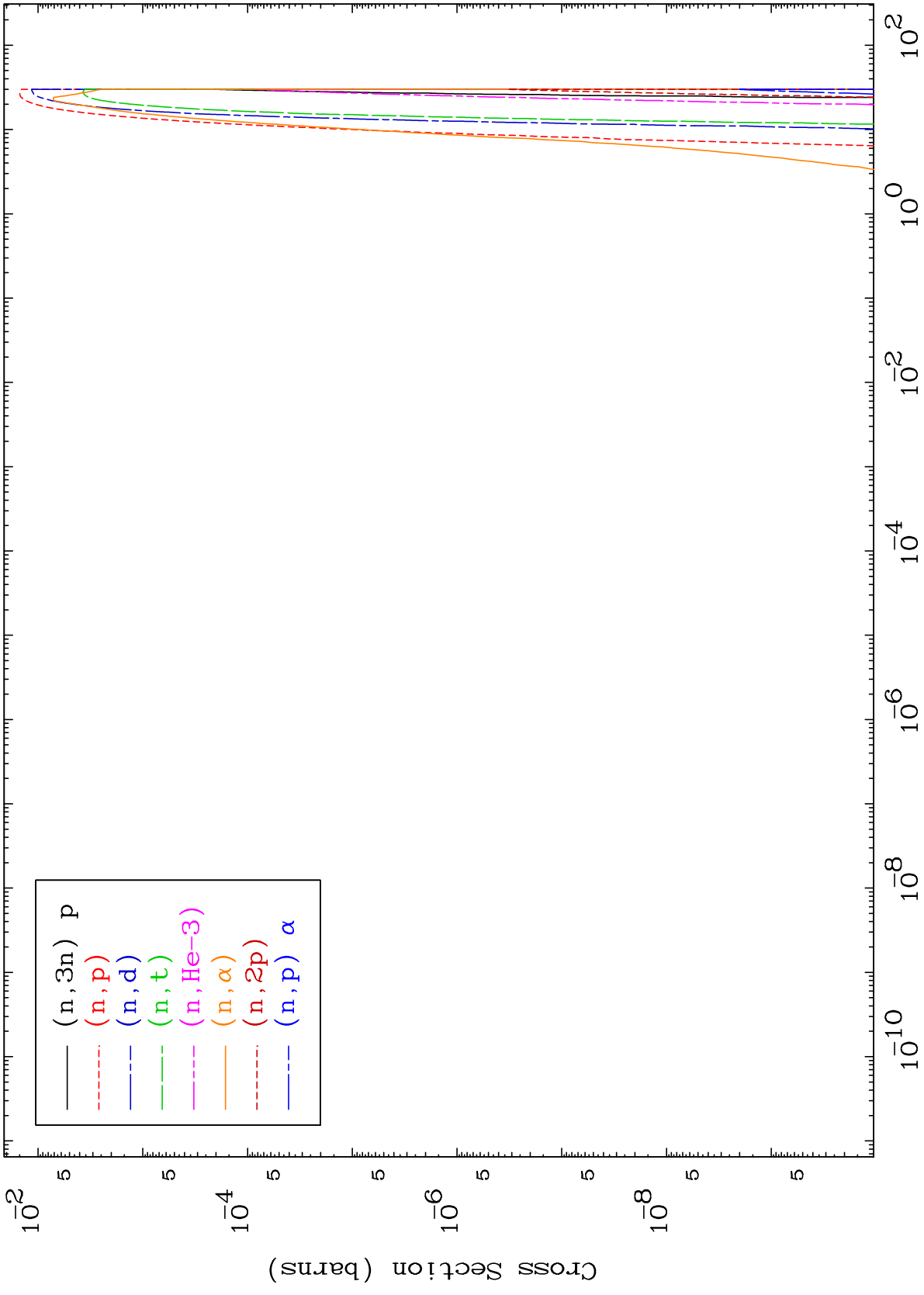


68-Er-170

MAT 6849

Charged Particle
293 Kelvin Cross Sections

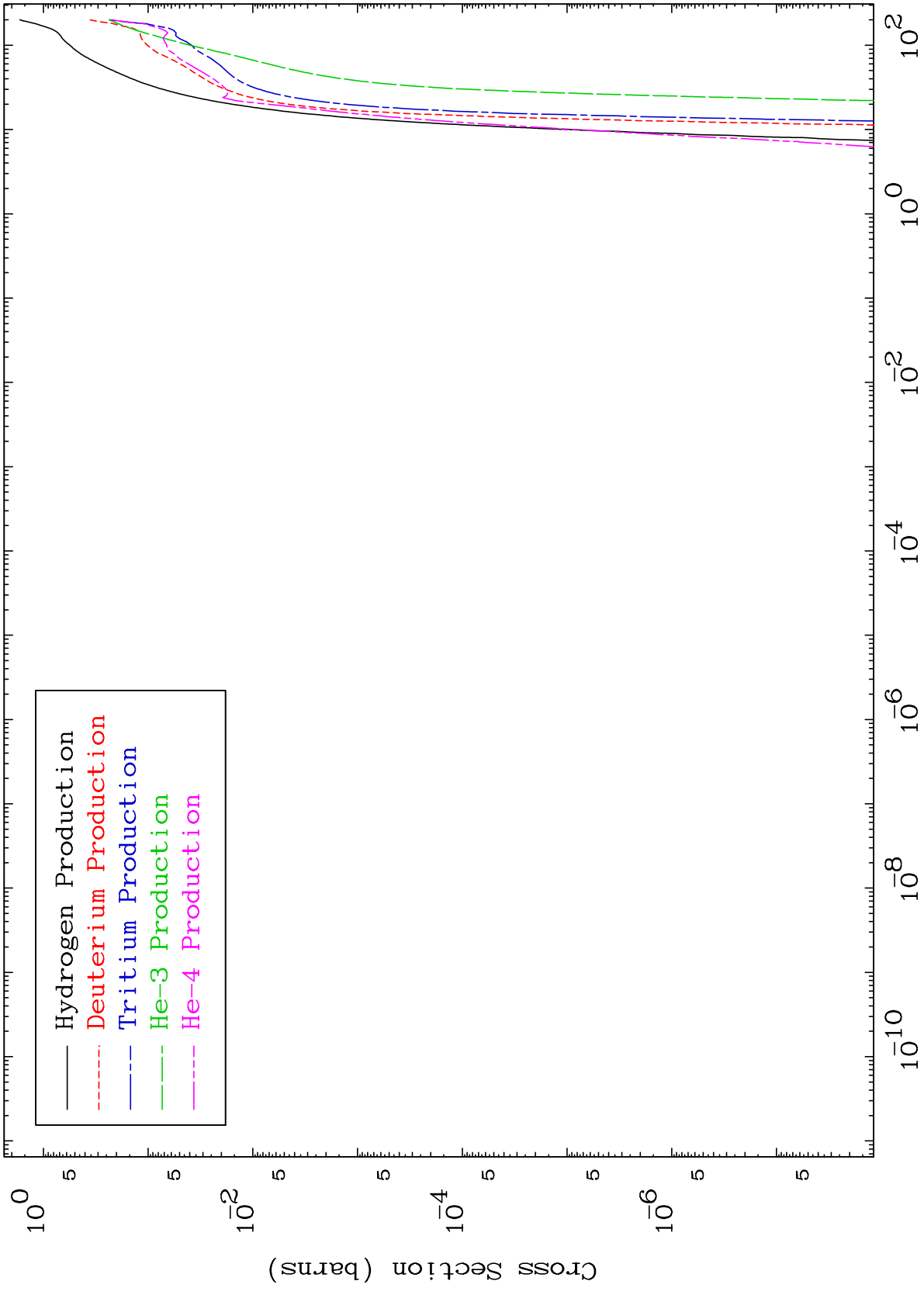
68-Er-170



MAT 6849

Particle Production
293 Kelvin Cross Sections

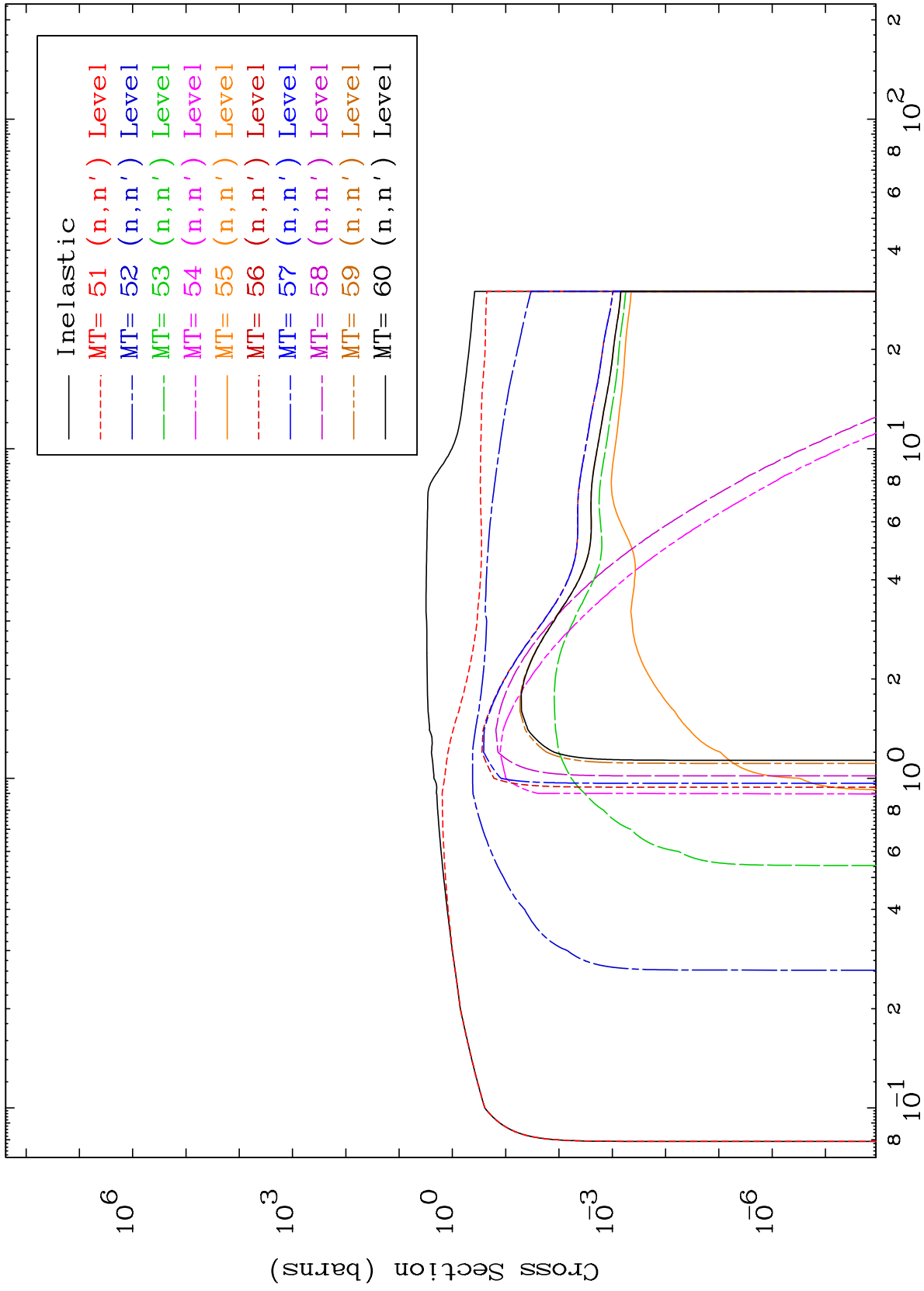
68-Er-170



MAT 6849

(n,n') Level
293 Kelvin Cross Sections

68-Er-170



7

Incident Energy (MeV)

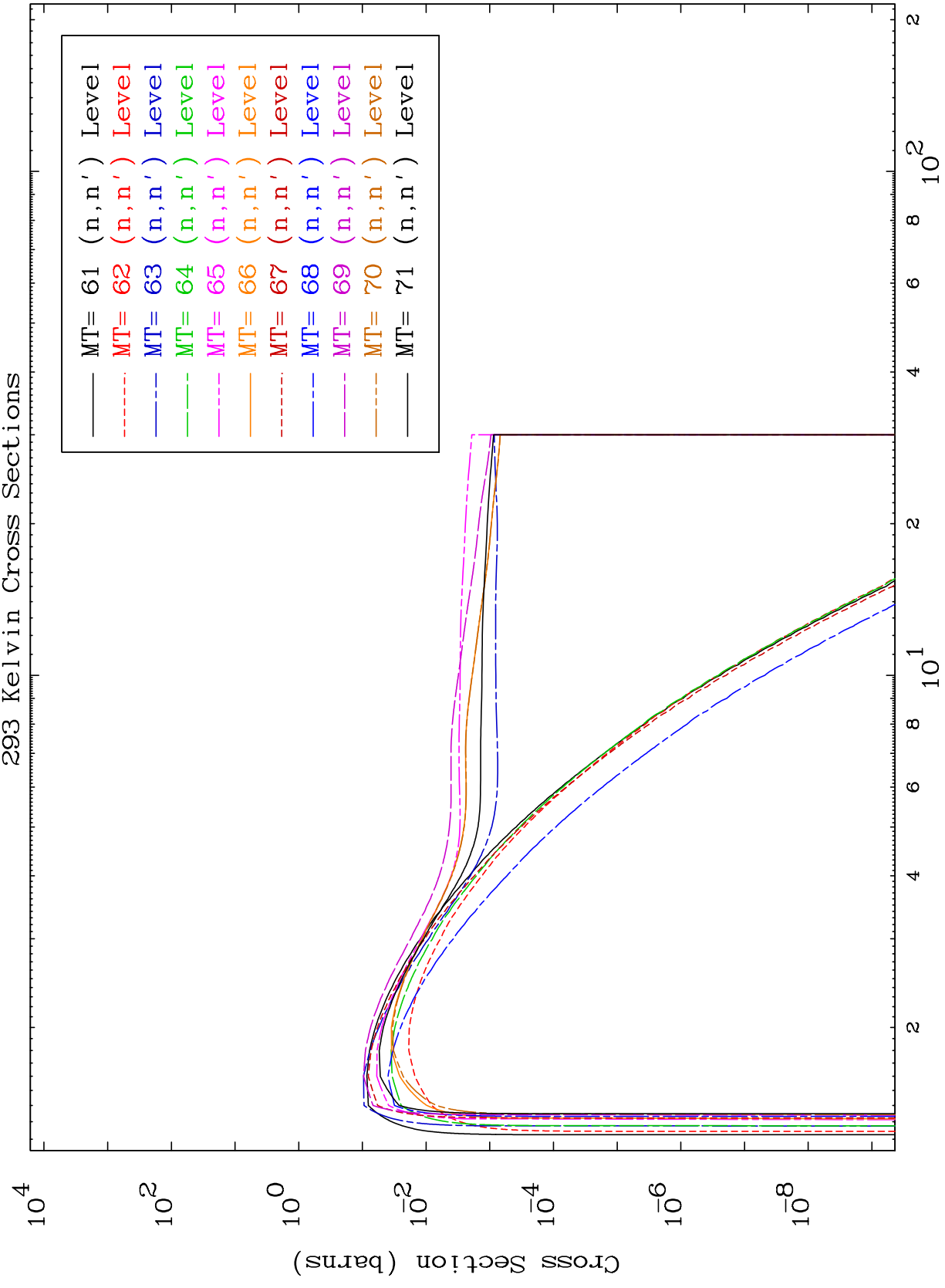
68-Er-170

MAT 6849

(n,n') Level

68-Er-170

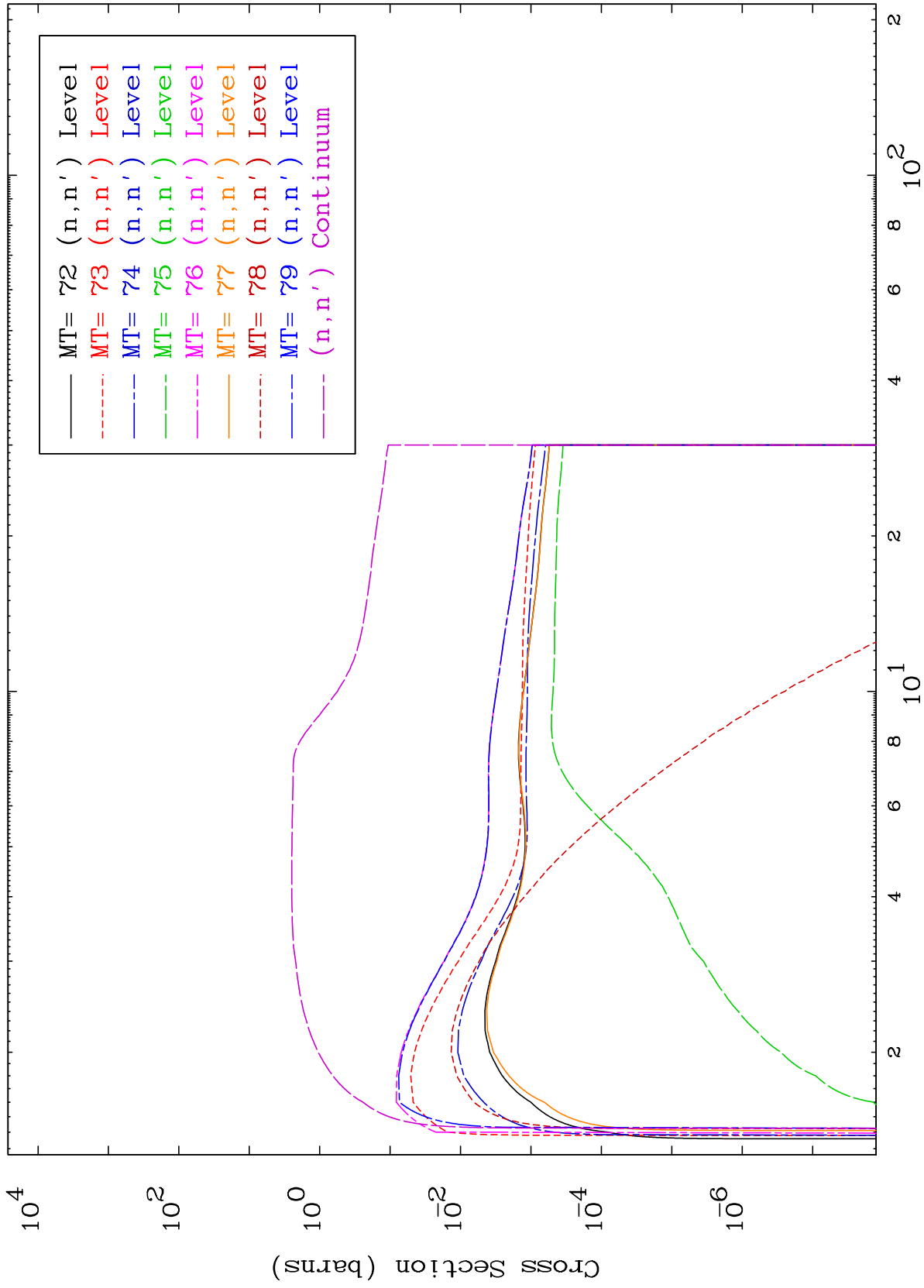
293 Kelvin Cross Sections



8

Incident Energy (MeV)

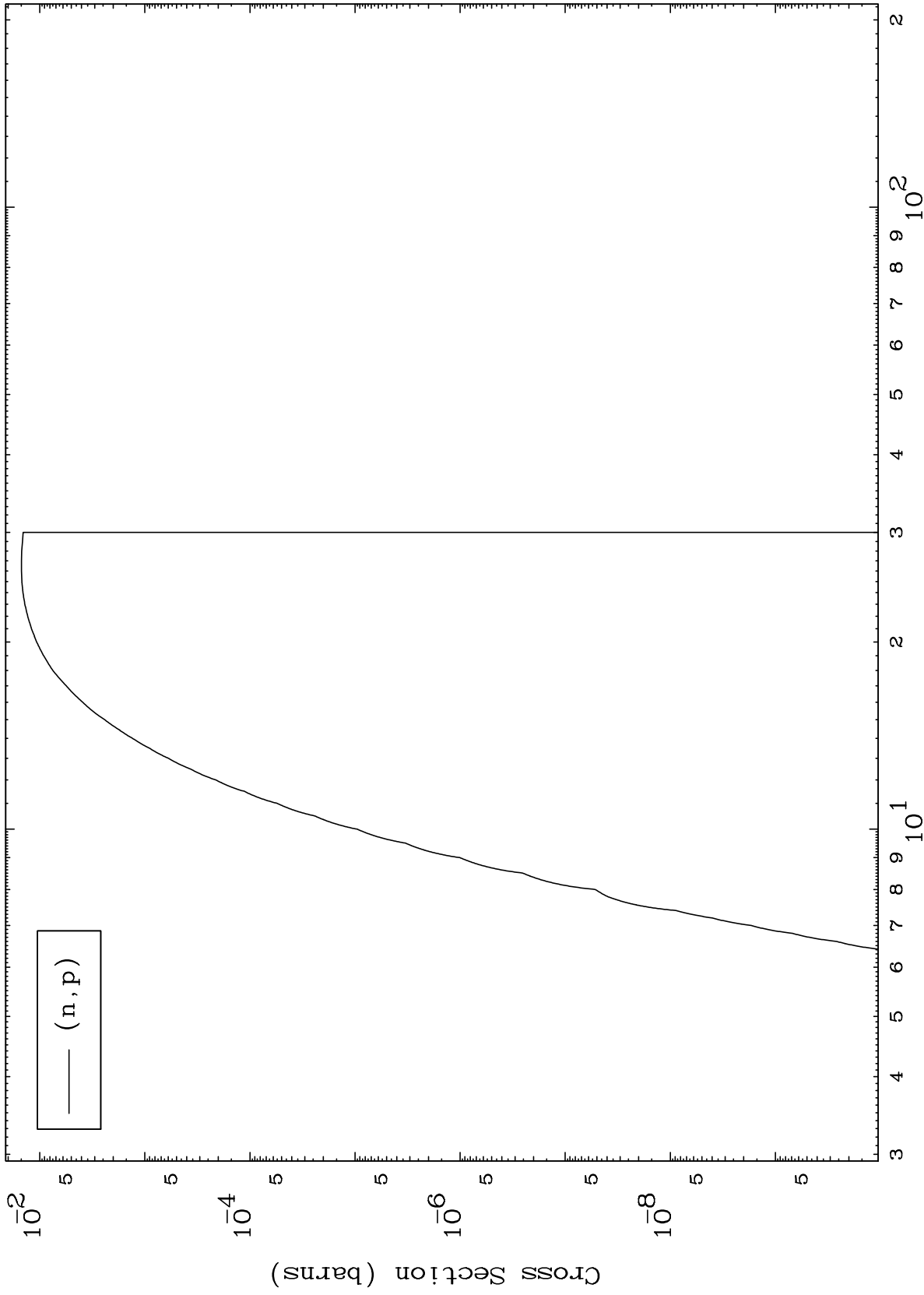
68-Er-170



MAT 6849

(n,p) Levels
293 Kelvin Cross Sections

68-Er-170



10

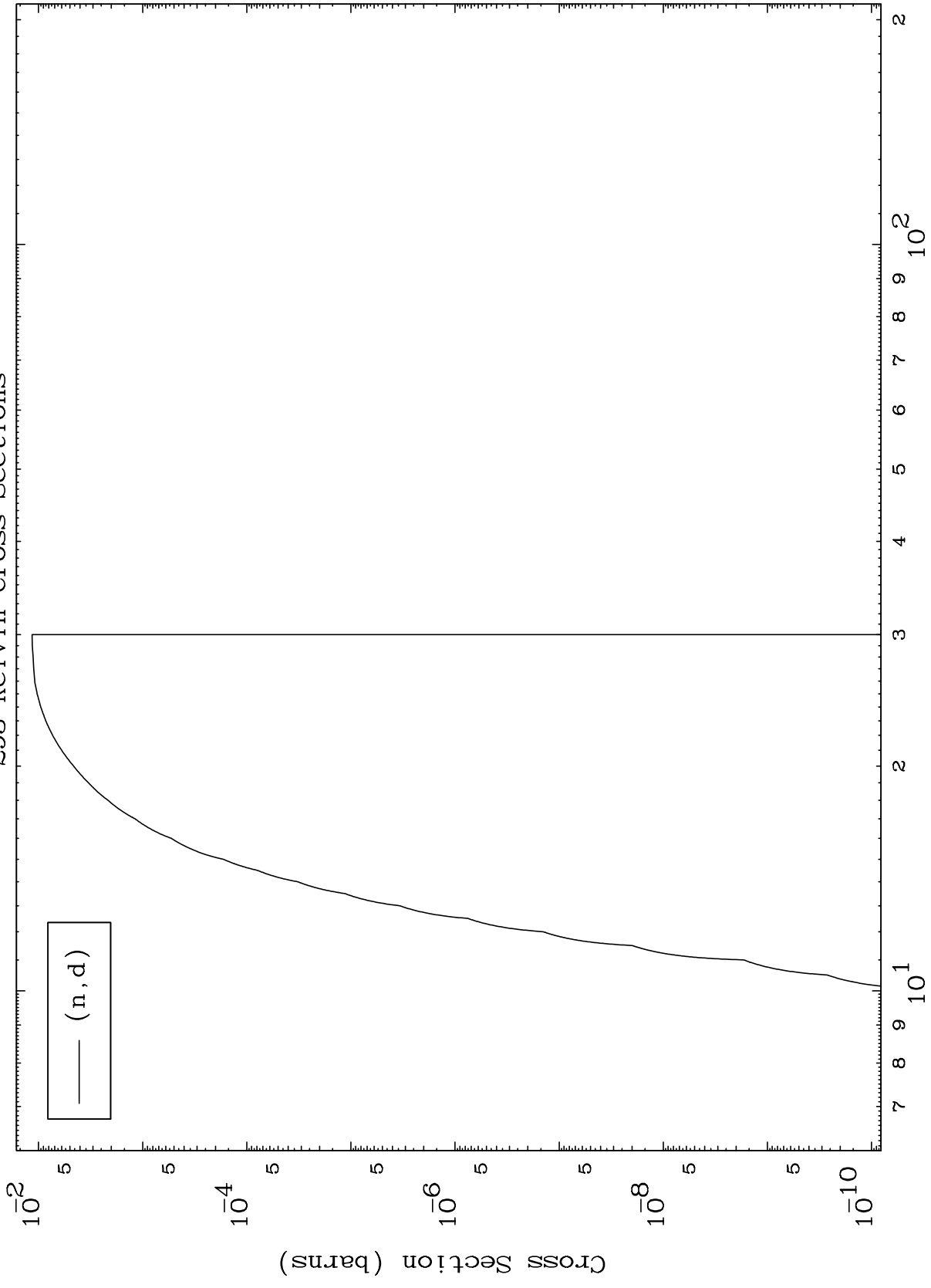
Incident Energy (MeV)

68-Er-170

MAT 6849

(n,d) Levels
293 Kelvin Cross Sections

68-Er-170



11

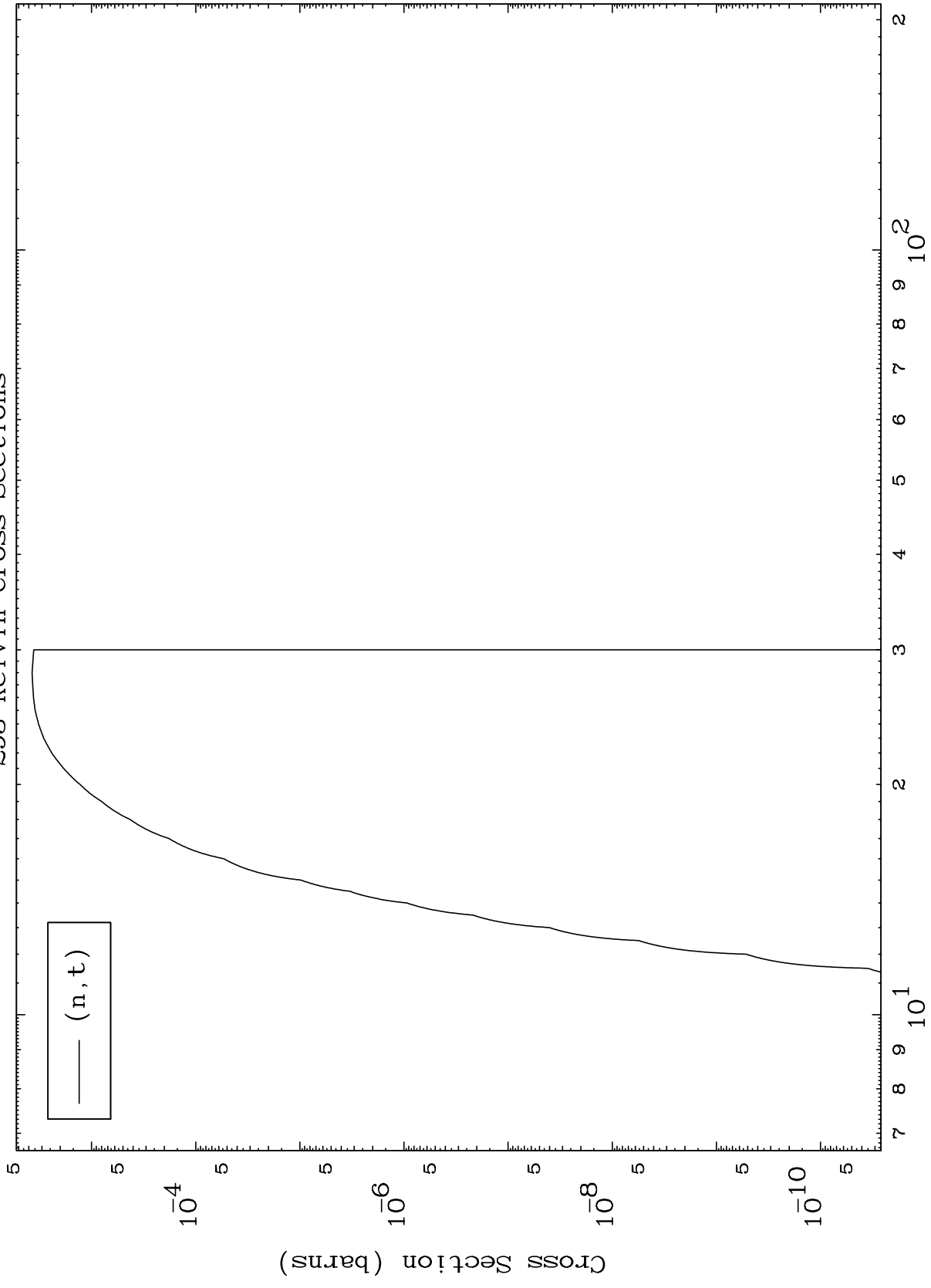
Incident Energy (MeV)

68-Er-170

MAT 6849

(n,t) Levels
293 Kelvin Cross Sections

68-Er-170



12

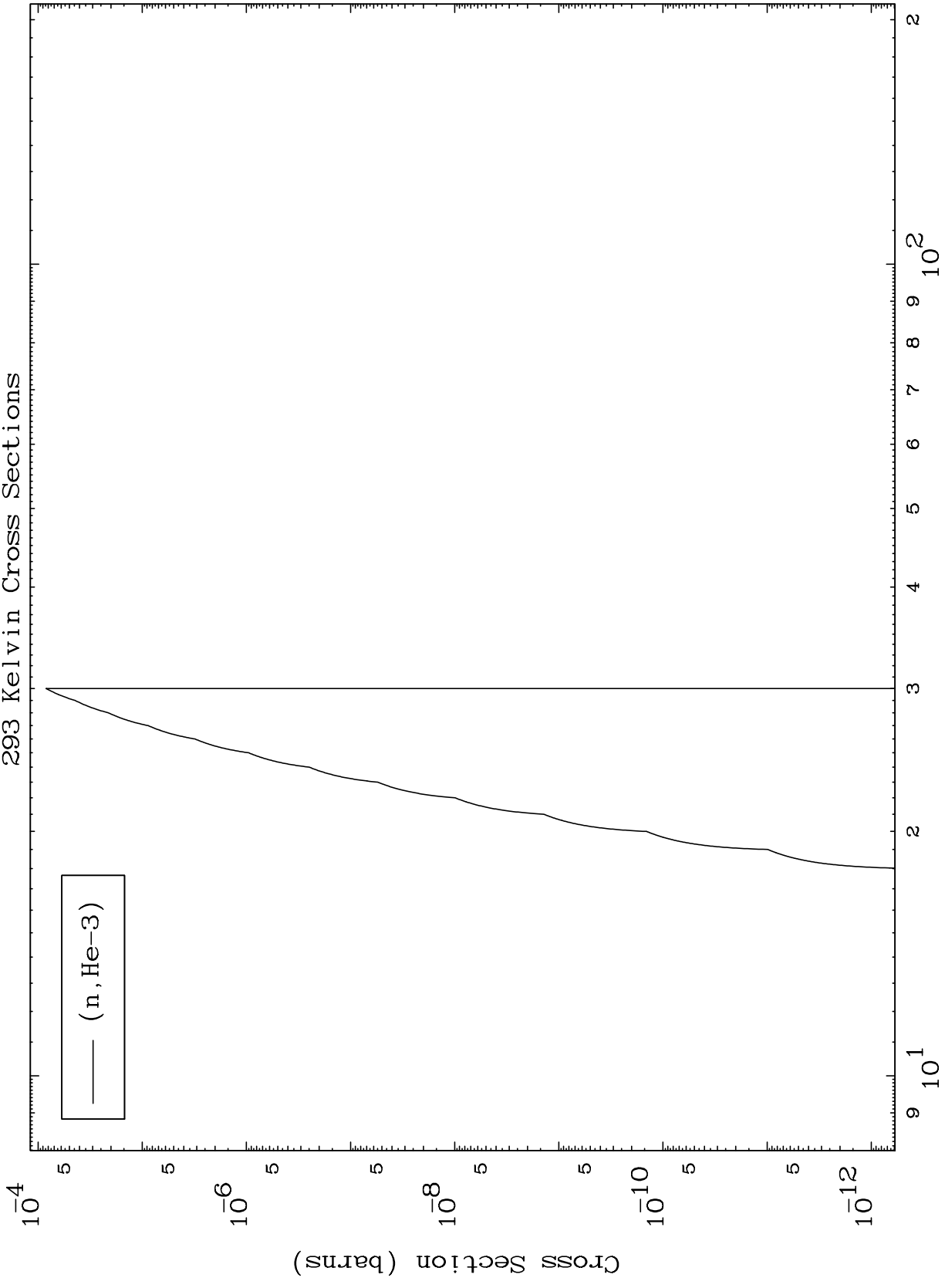
Incident Energy (MeV)

68-Er-170

MAT 6849

68-Er-170

(n,He3) Levels
293 Kelvin Cross Sections



13

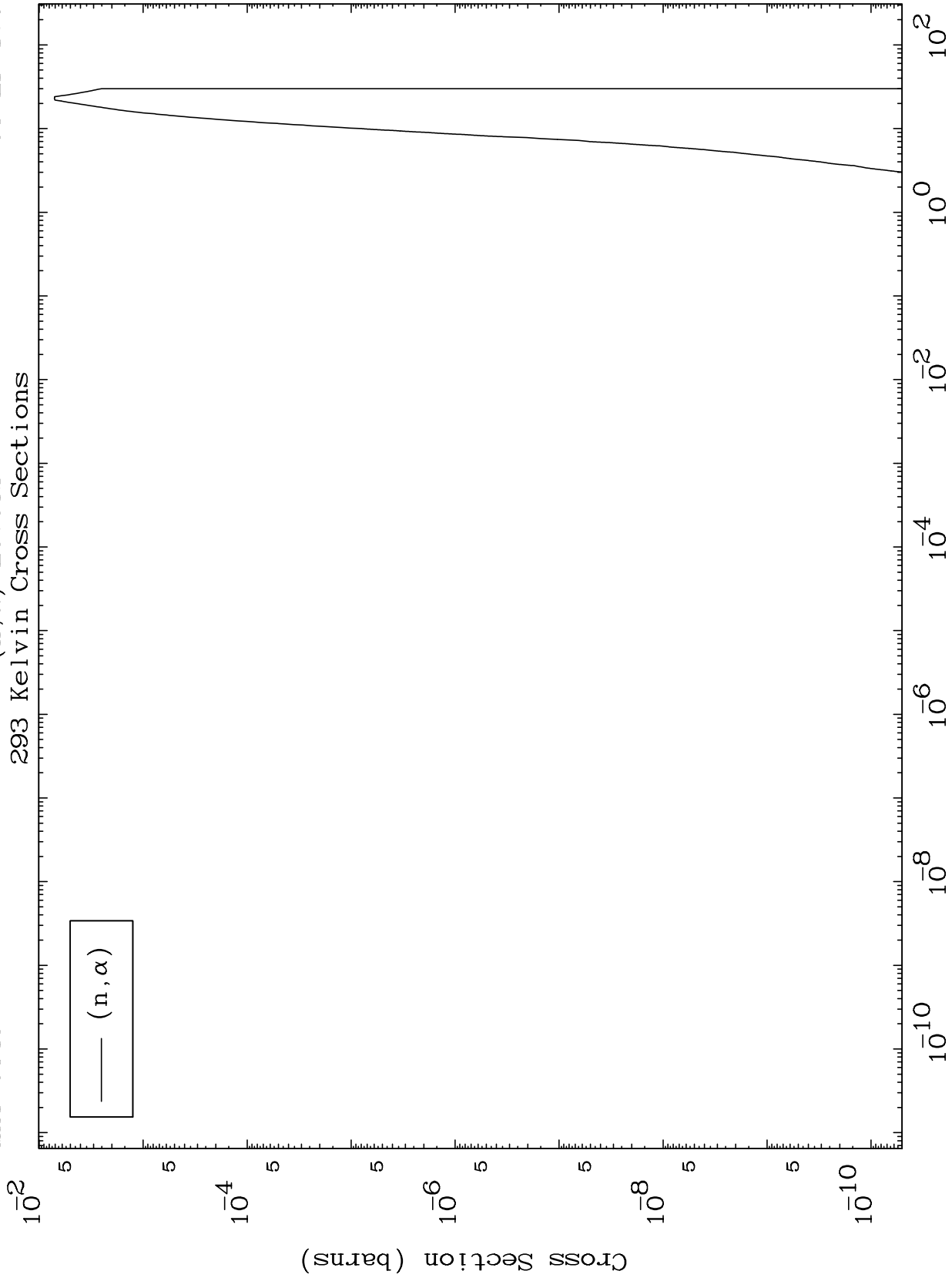
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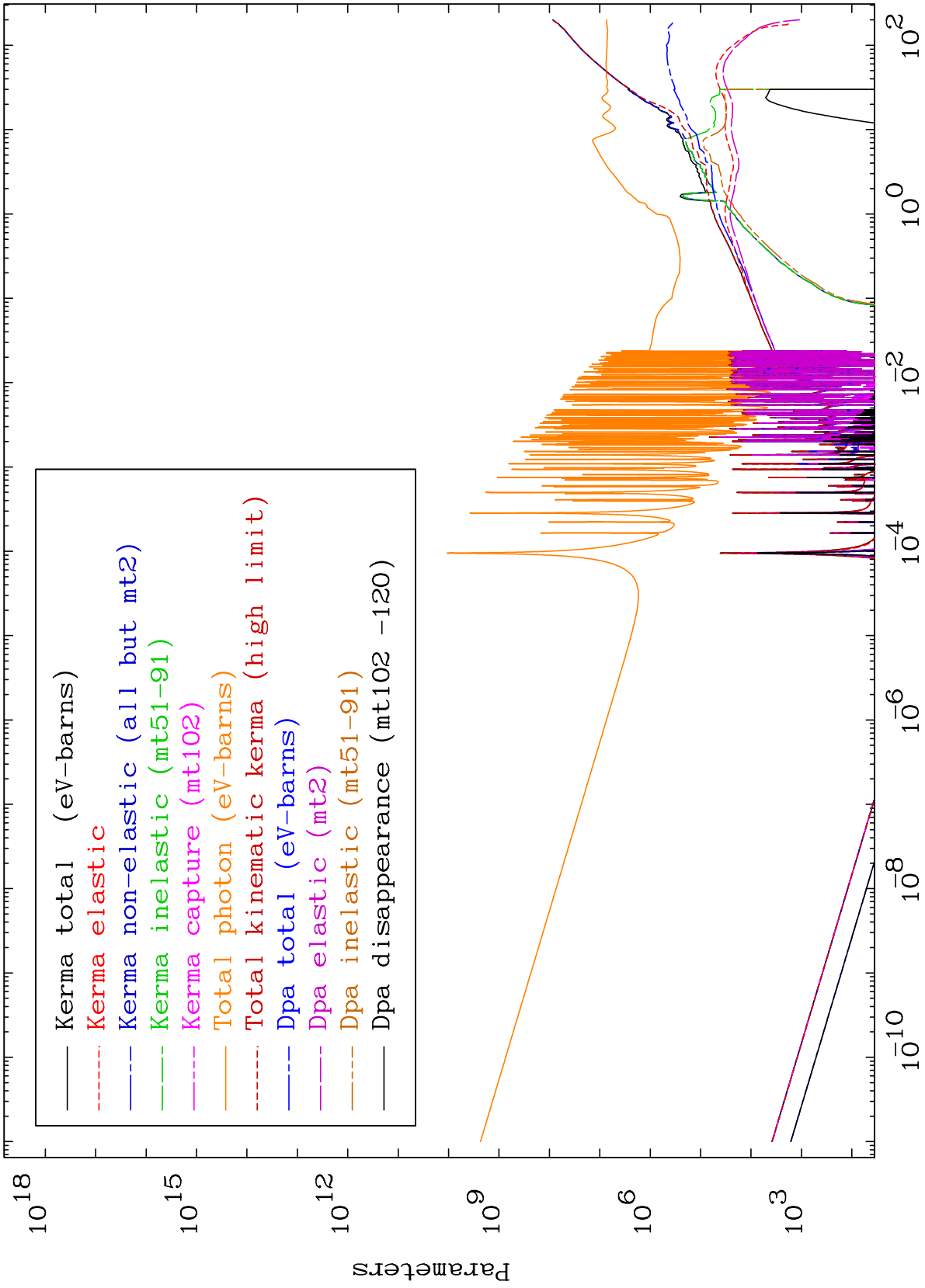
68-Er-170

MAT 6849

(n, α) Levels
293 Kelvin Cross Sections

68-Er-170

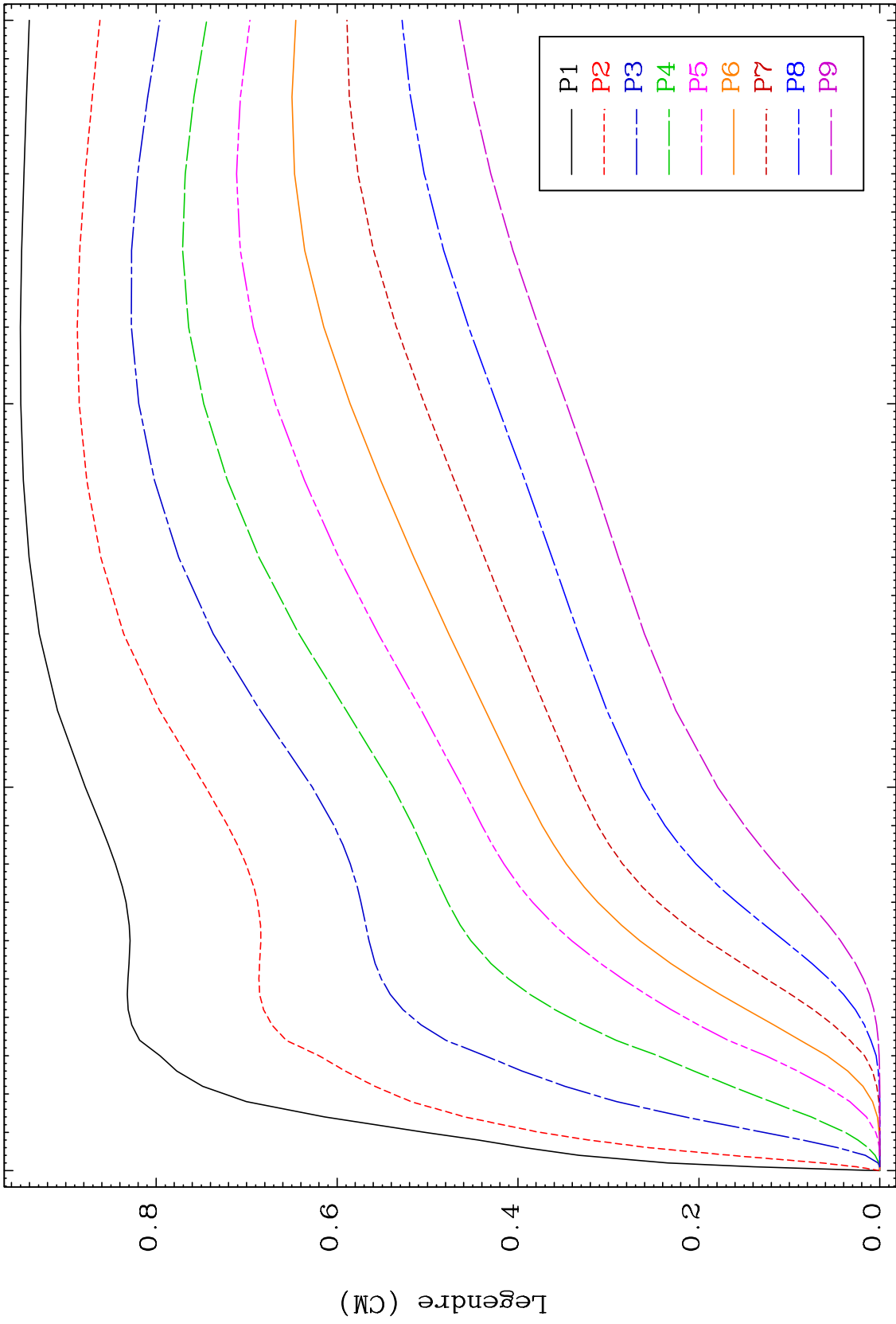




MAT 6849

Elastic Legendre Coefficients

68-Er-170



0

0.0

0.2

0.4

0.6

0.8

68-Er-170

Incident Energy (MeV)

10

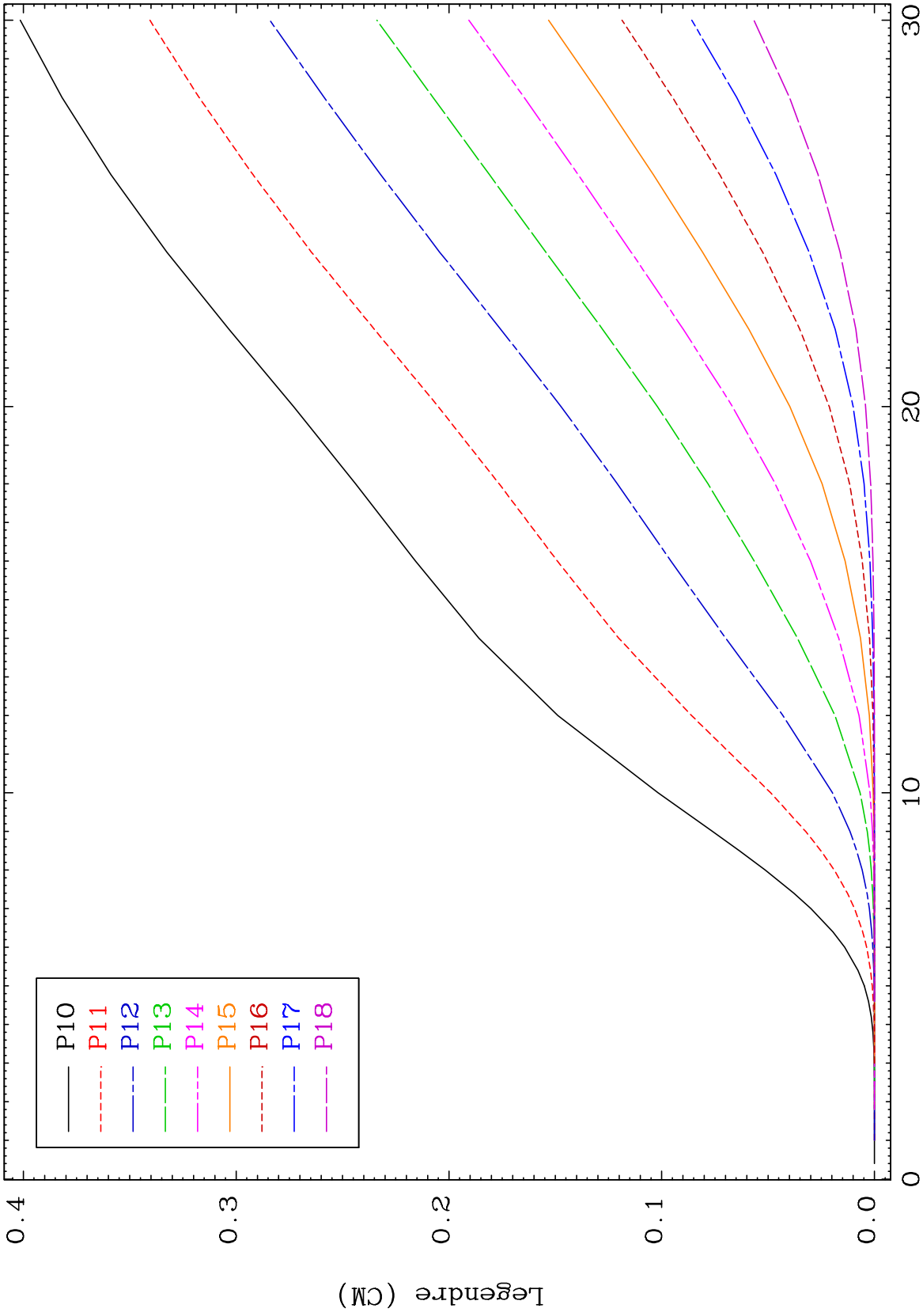
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30

MAT 6849

Elastic Legendre Coefficients

68-Er-170



17

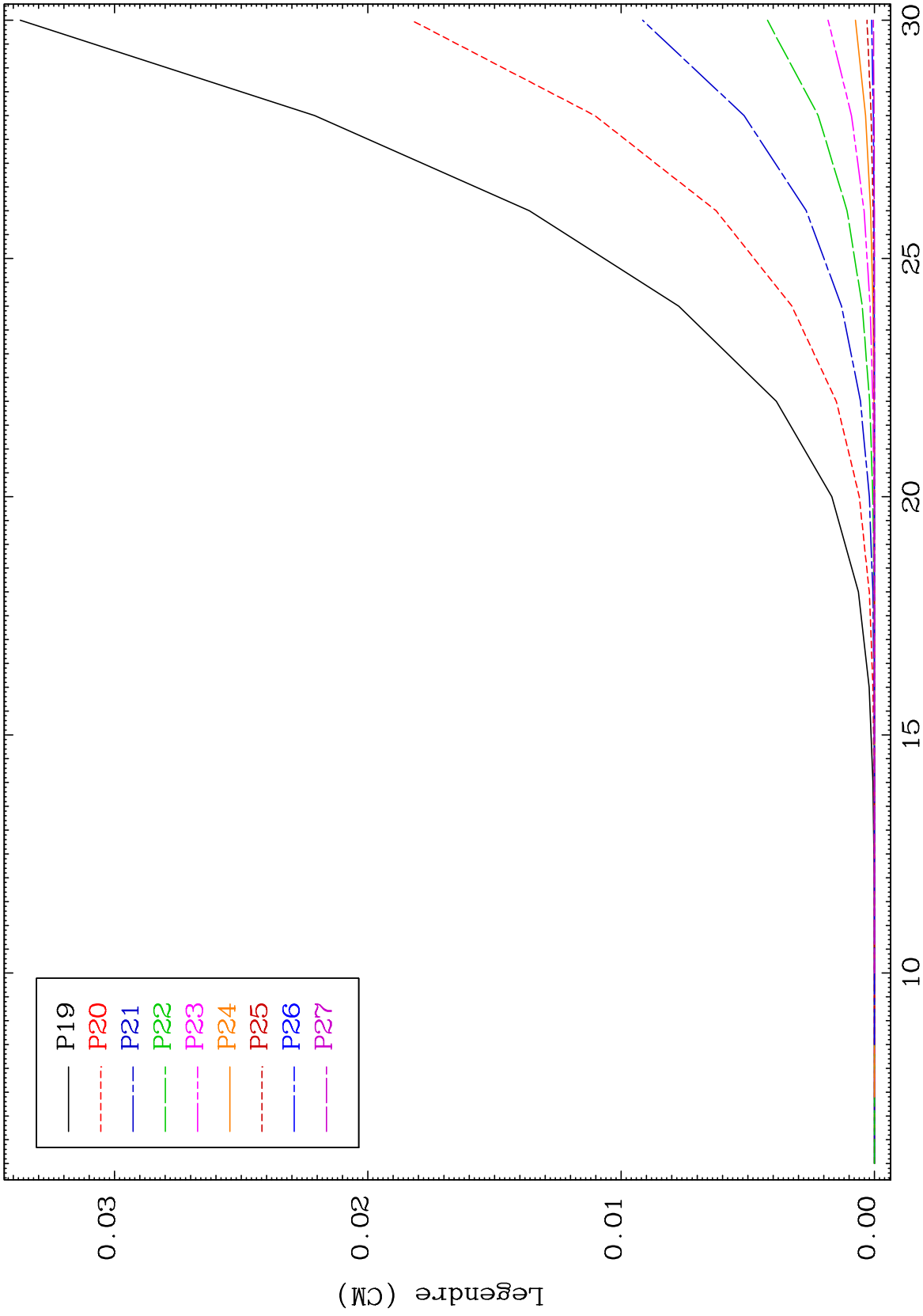
Incident Energy (MeV)

68-Er-170

MAT 6849

Elastic Legendre Coefficients

68-Er-170



18

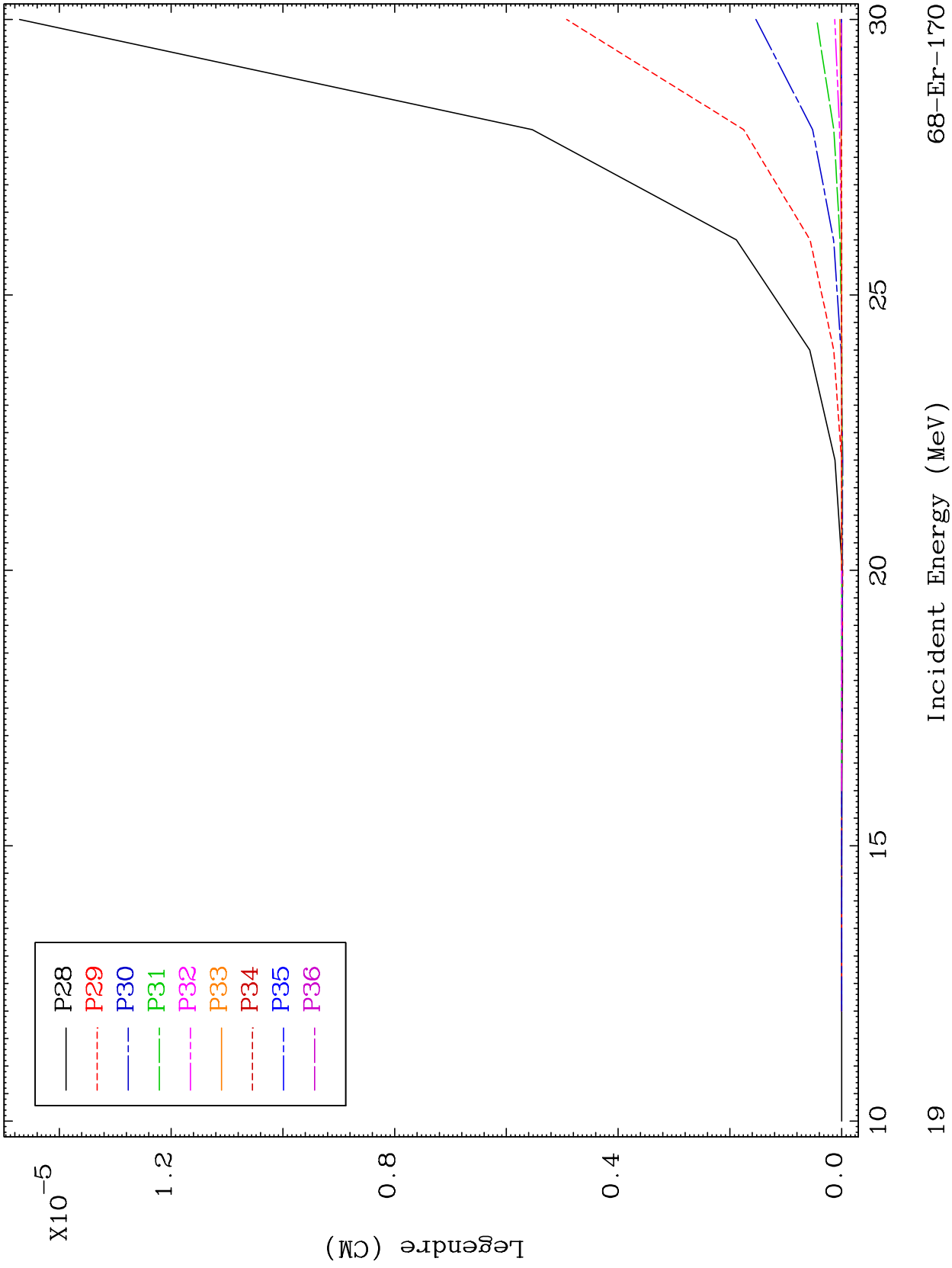
Incident Energy (MeV)

68-Er-170

MAT 6849

Elastic Legendre Coefficients

68-Er-170



19

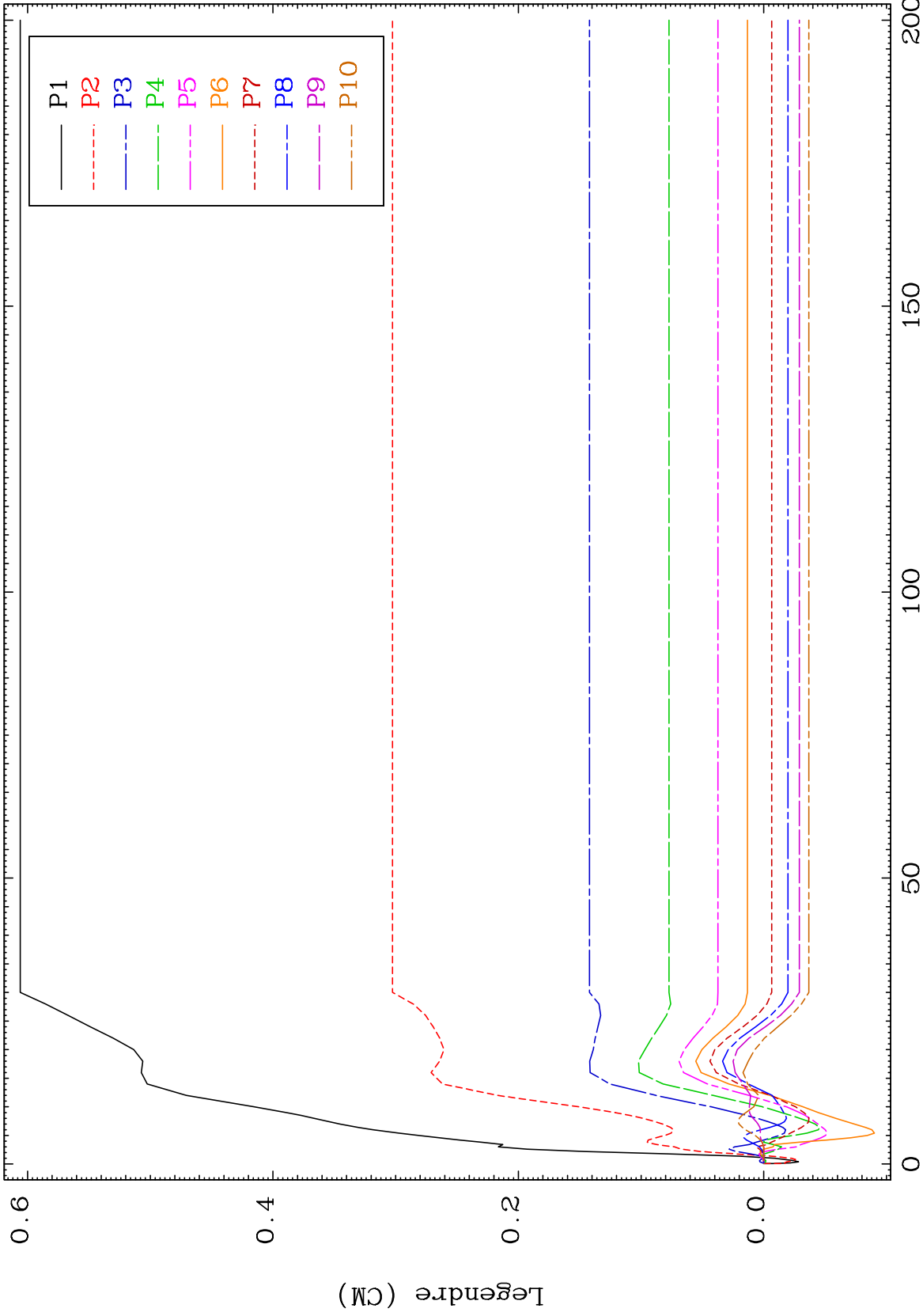
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



20

0

50

100

150

200

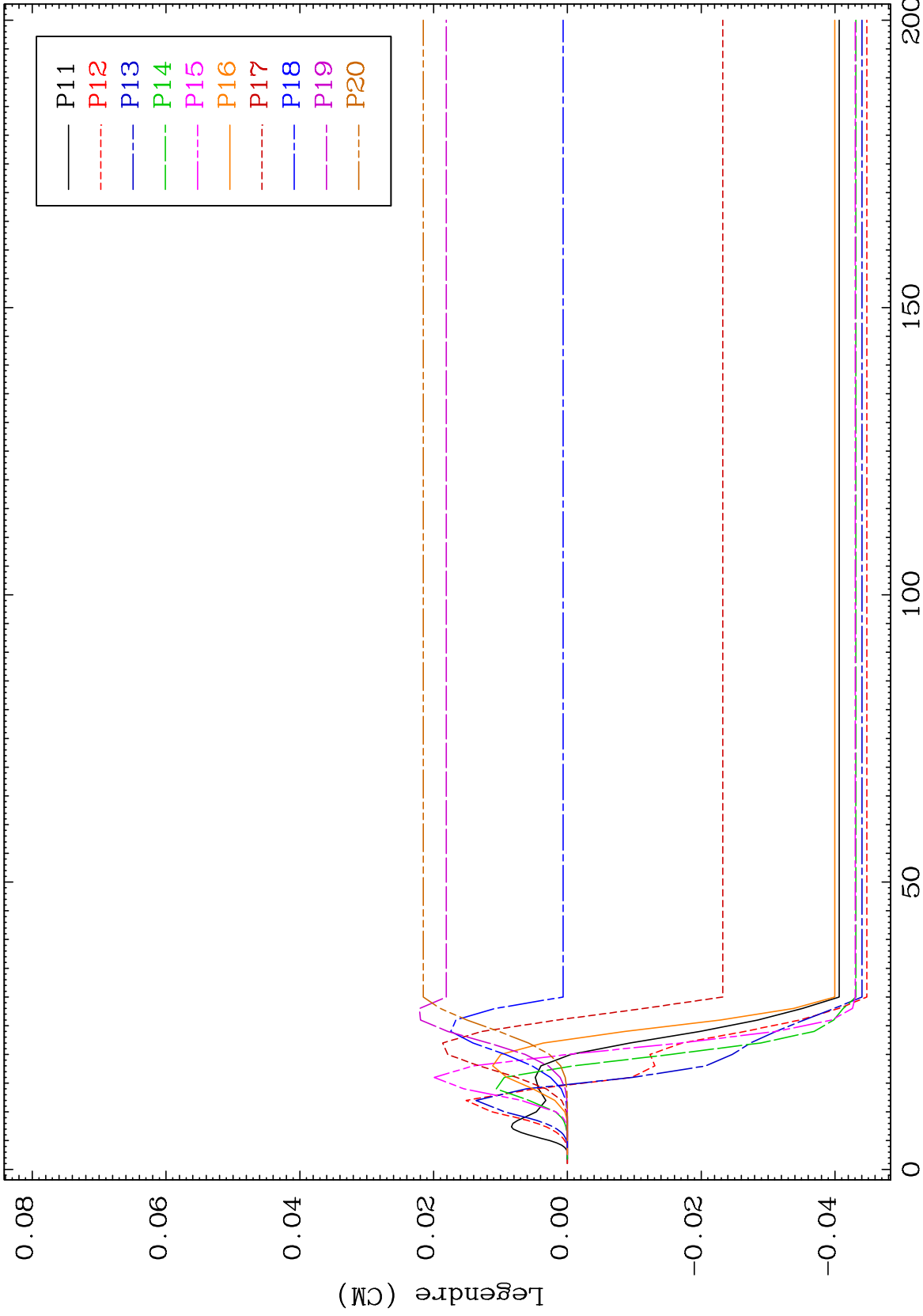
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



21

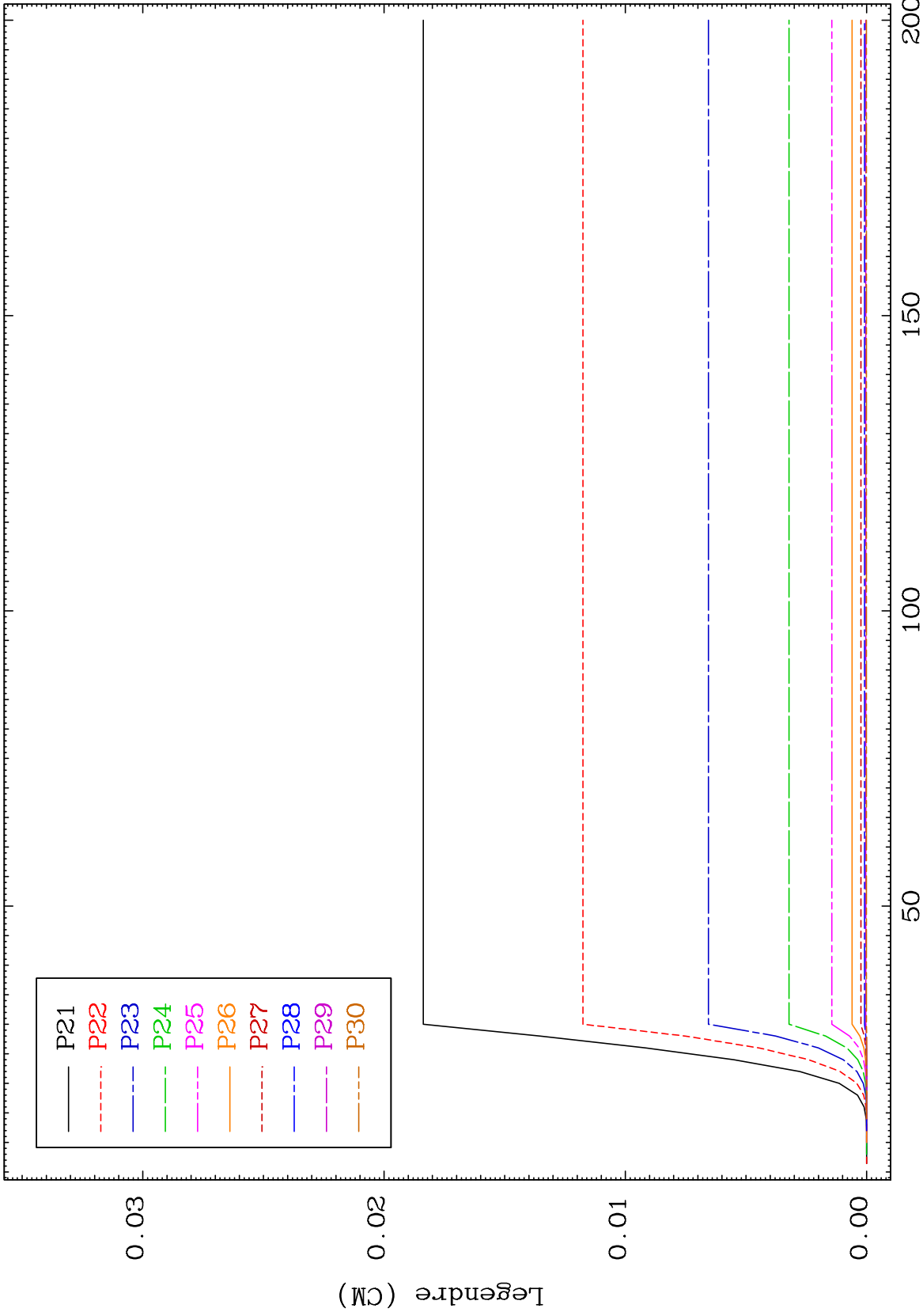
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



22

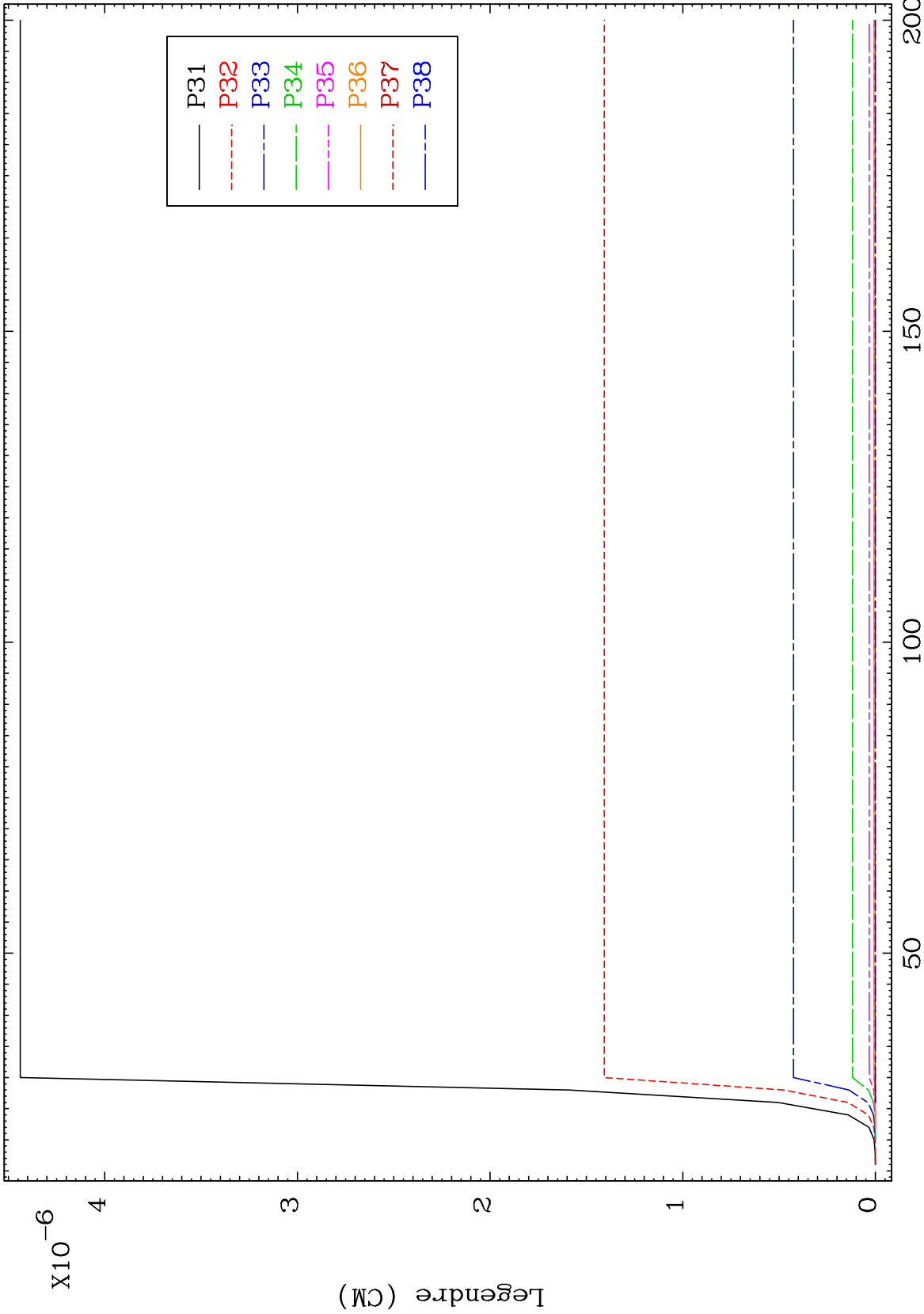
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



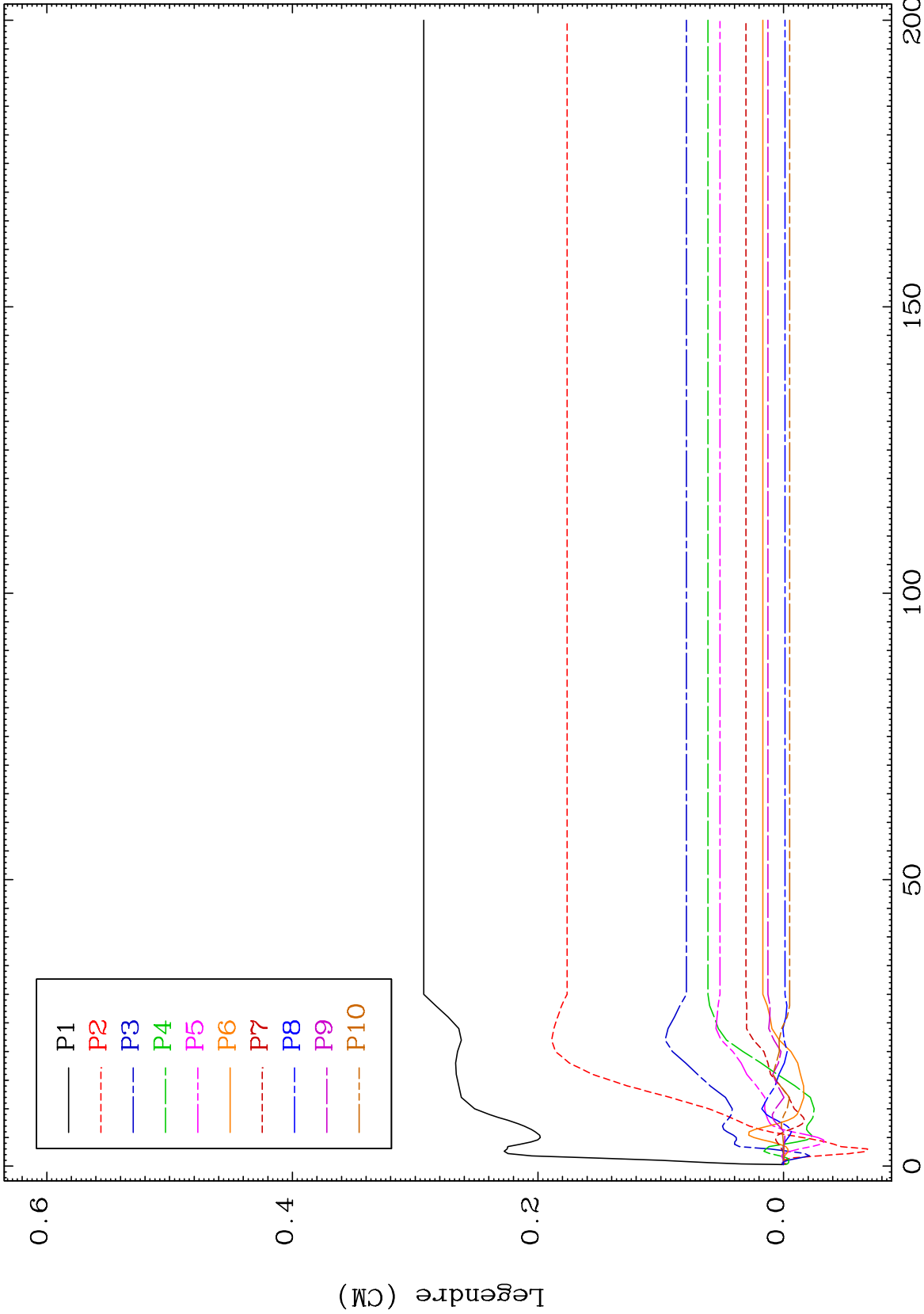
23

68-Er-170

MAT 6849

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

68-Er-170



24

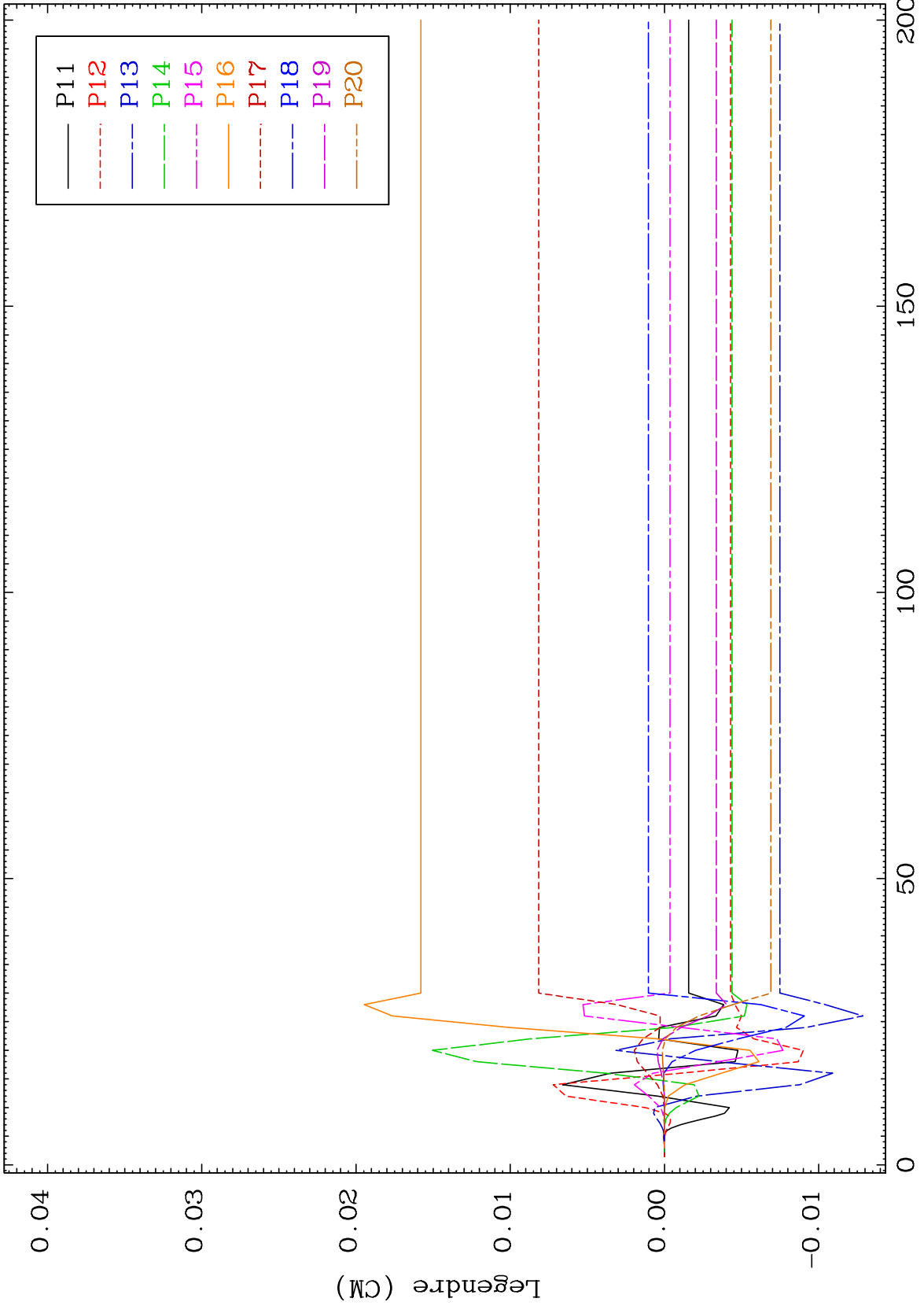
Incident Energy (MeV)

68-Er-170

MAT 6849

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

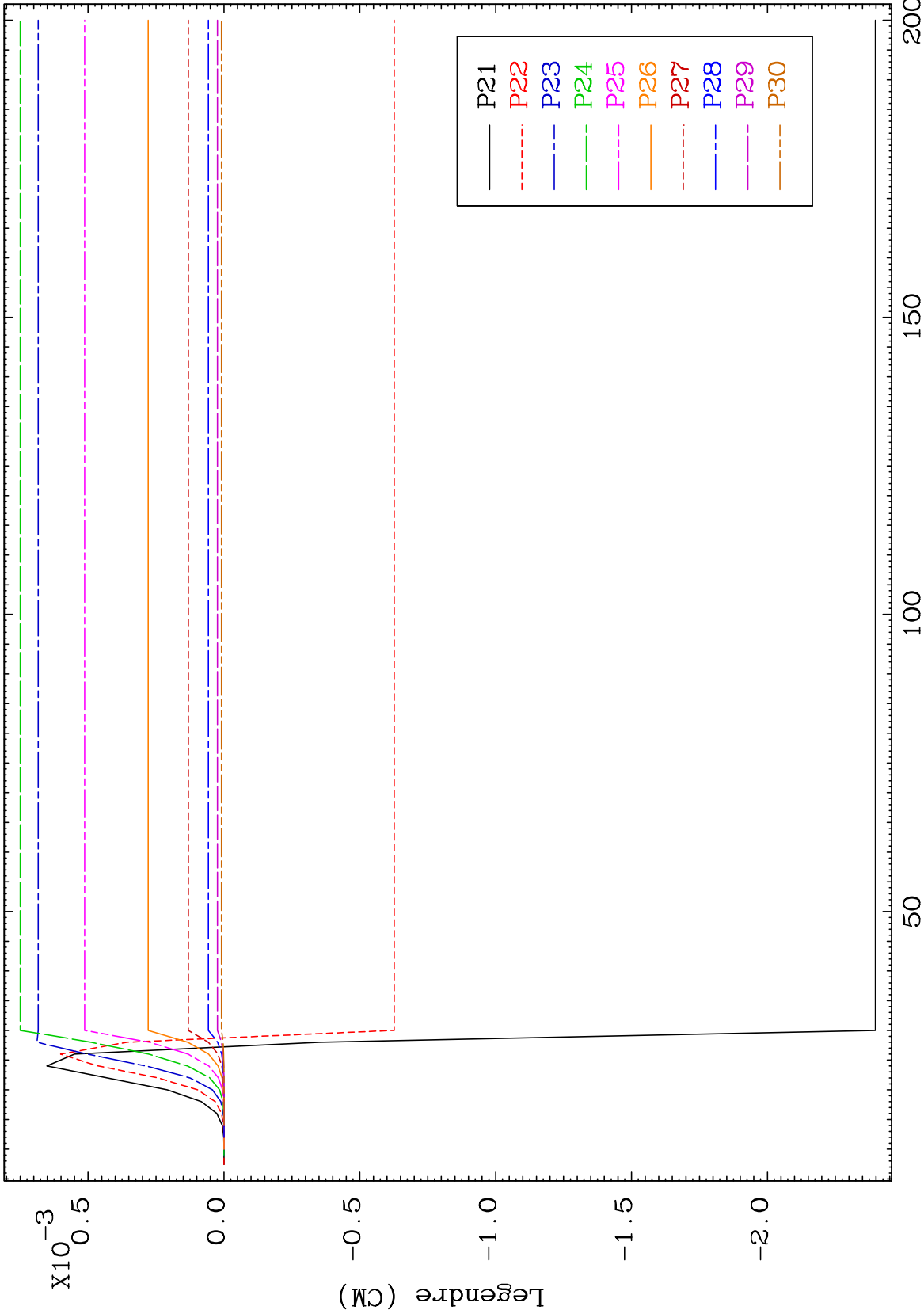
68-Er-170



25

Incident Energy (MeV)

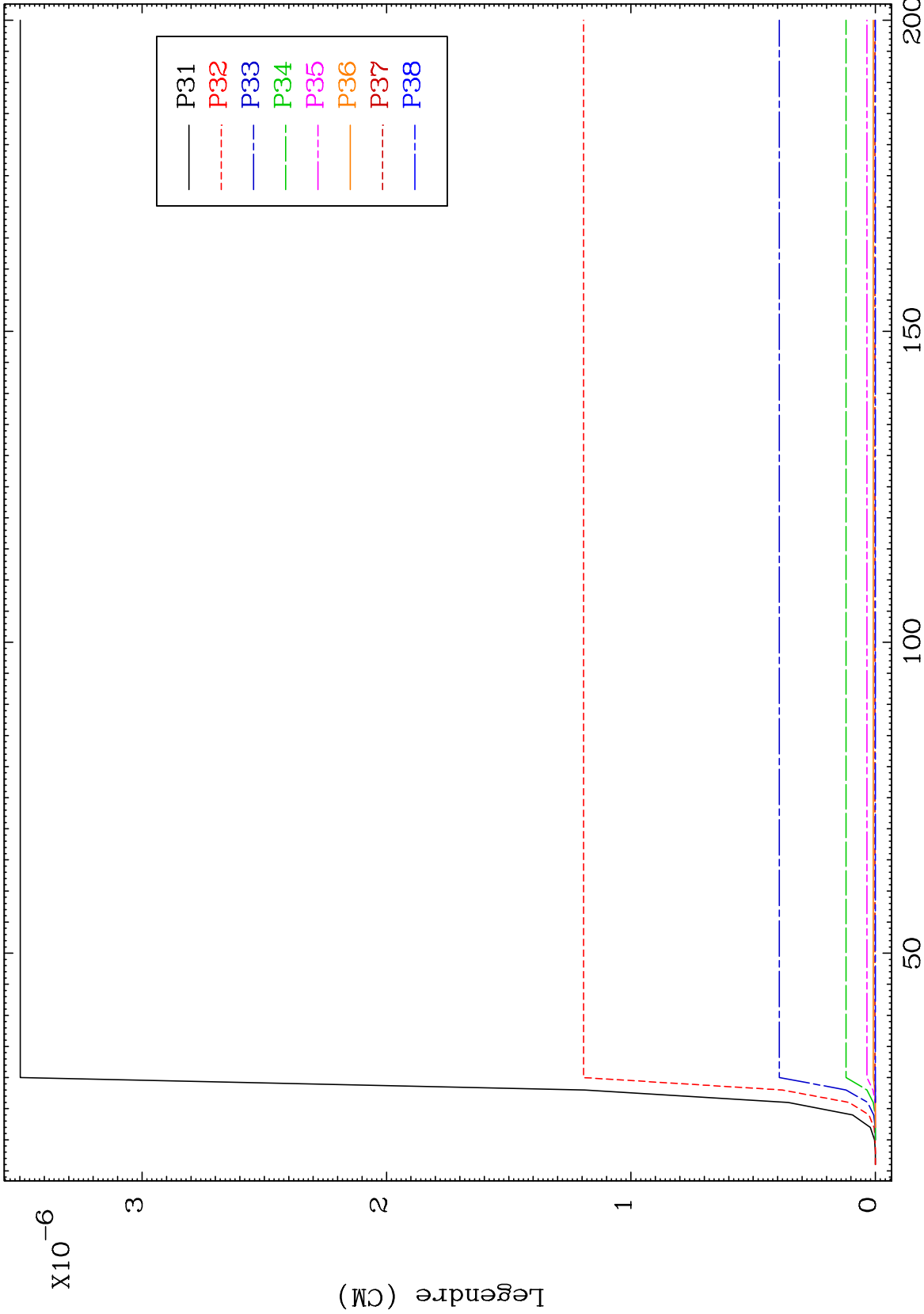
68-Er-170



MAT 6849

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

68-Er-170



27

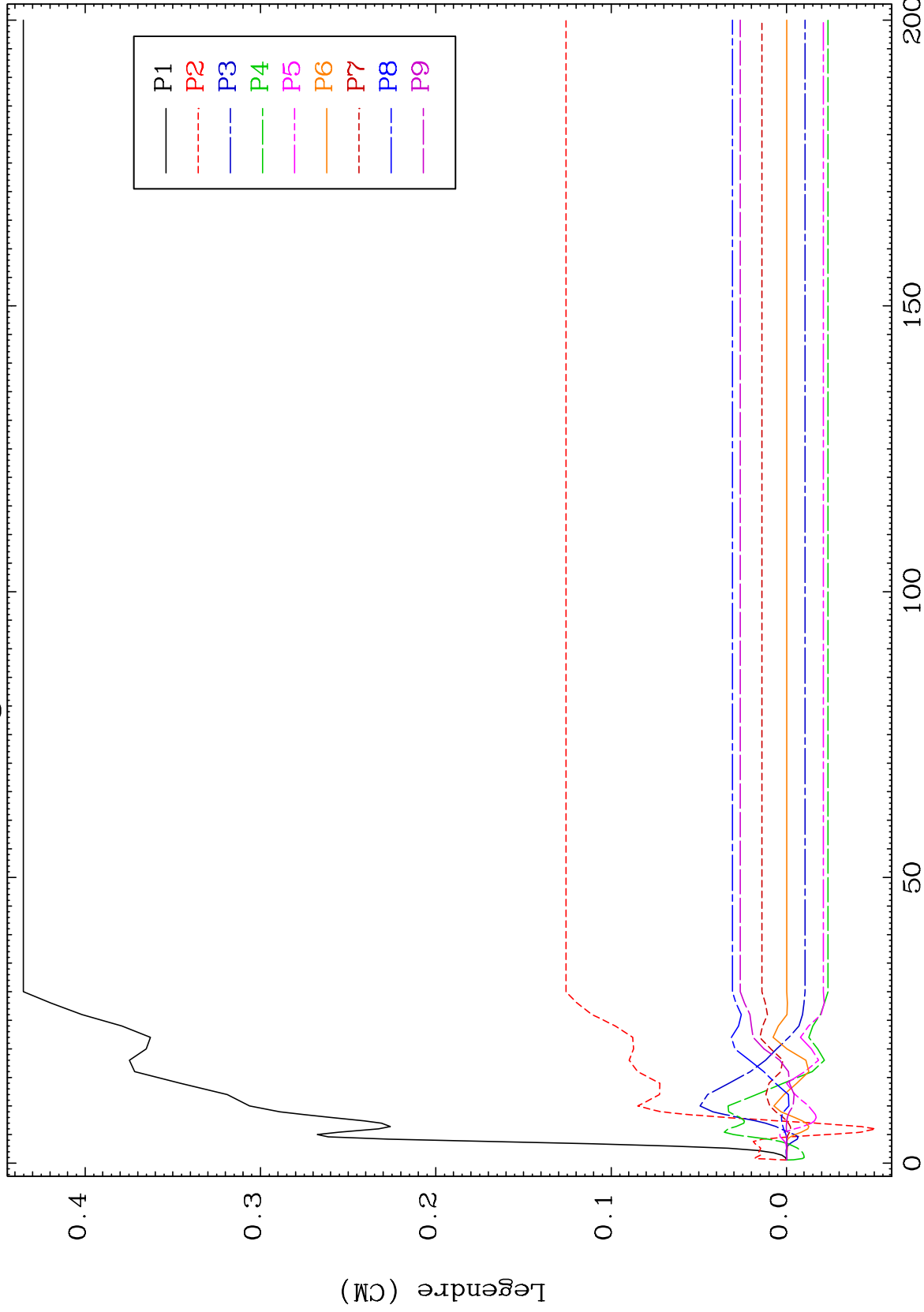
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



28

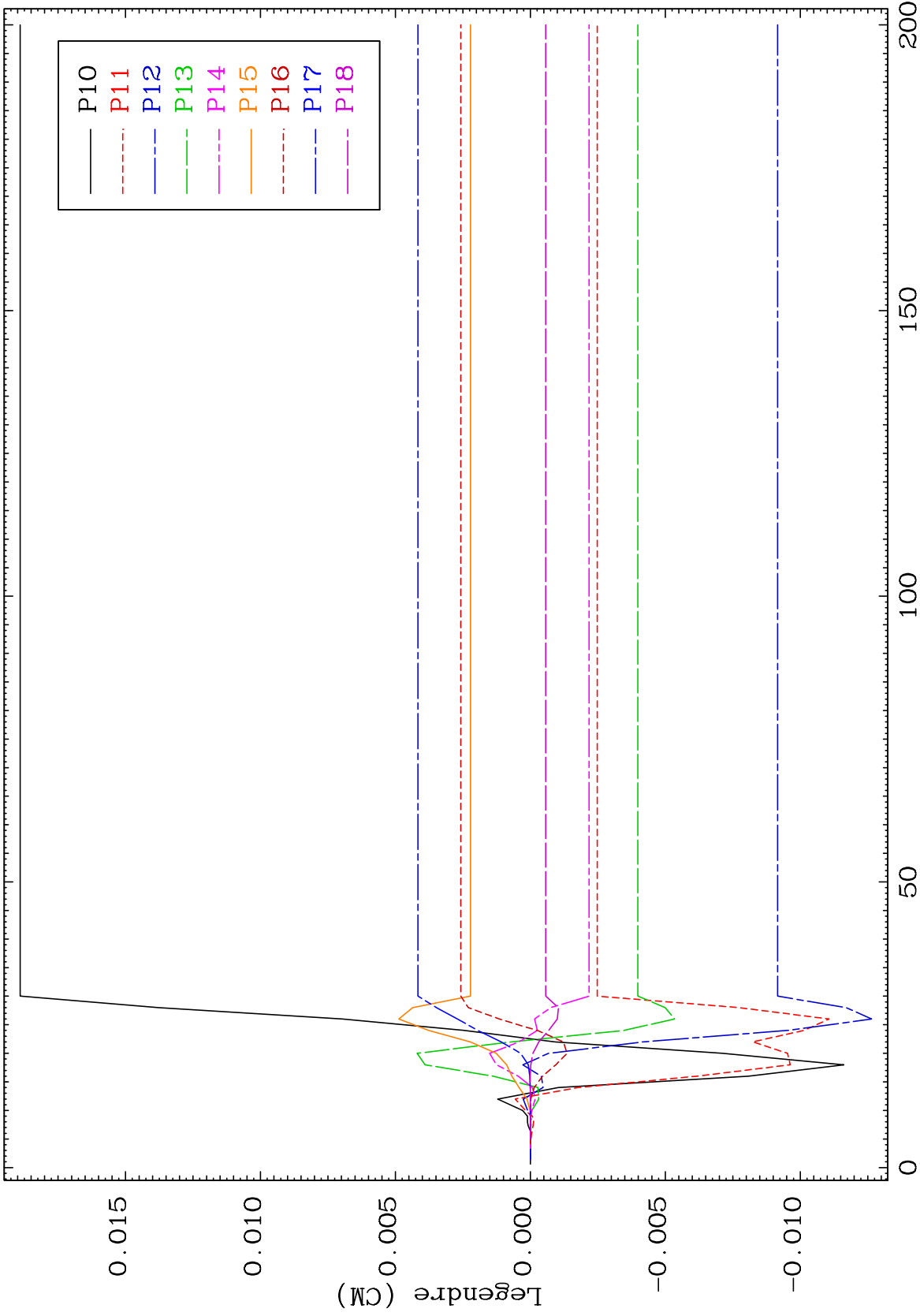
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



29

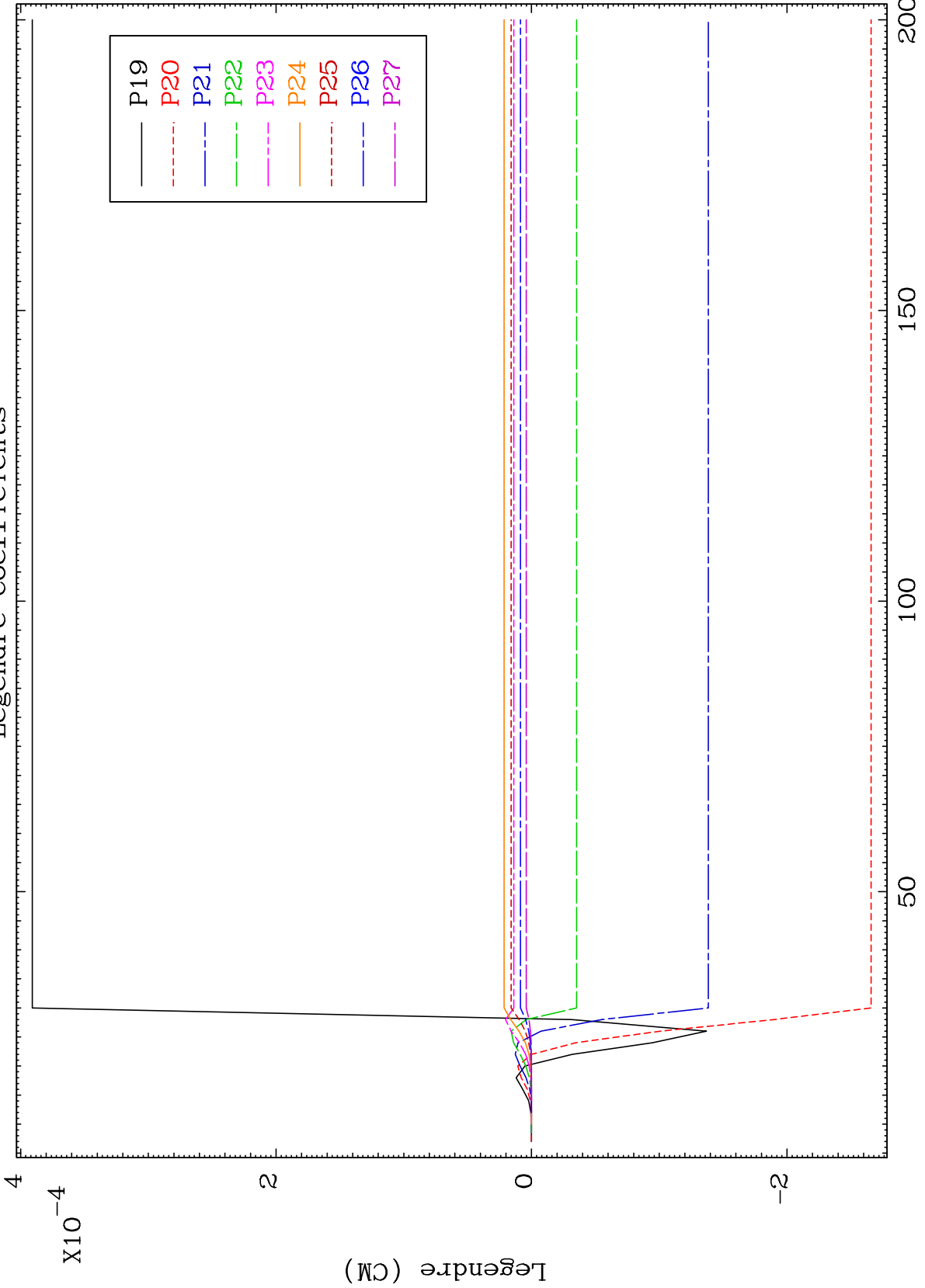
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



30

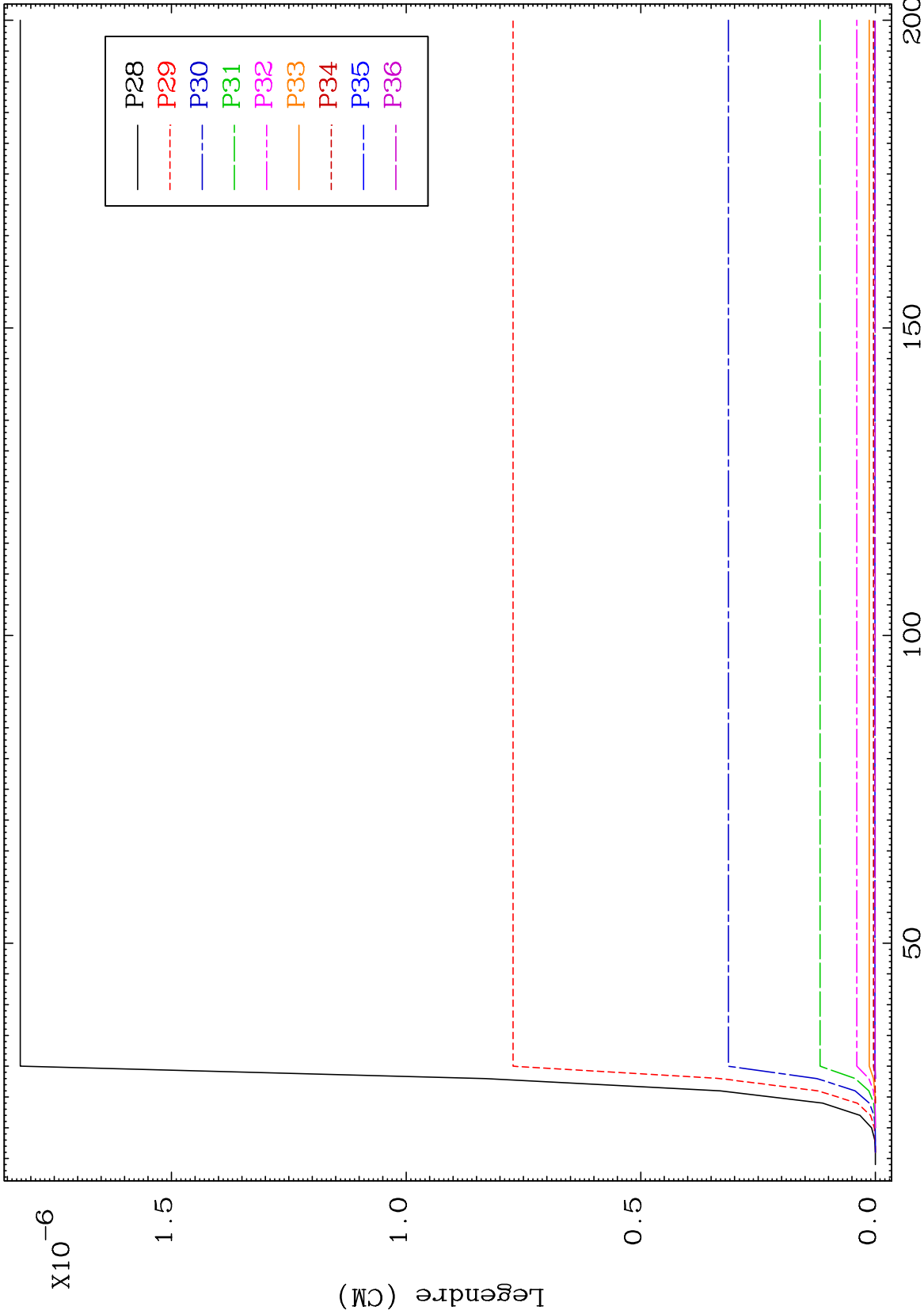
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



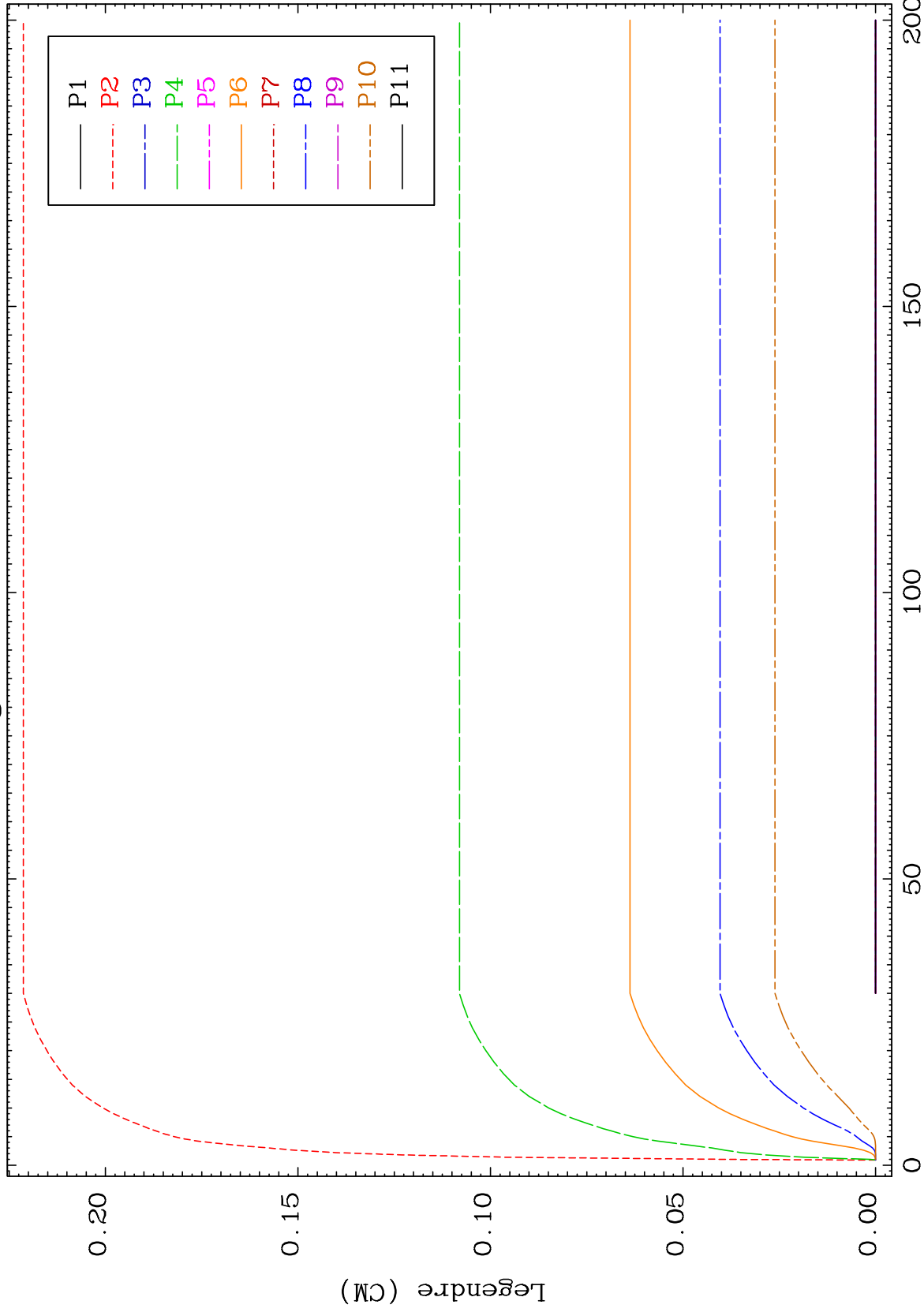
31

68-Er-170

MAT 6849

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

68-Er-170

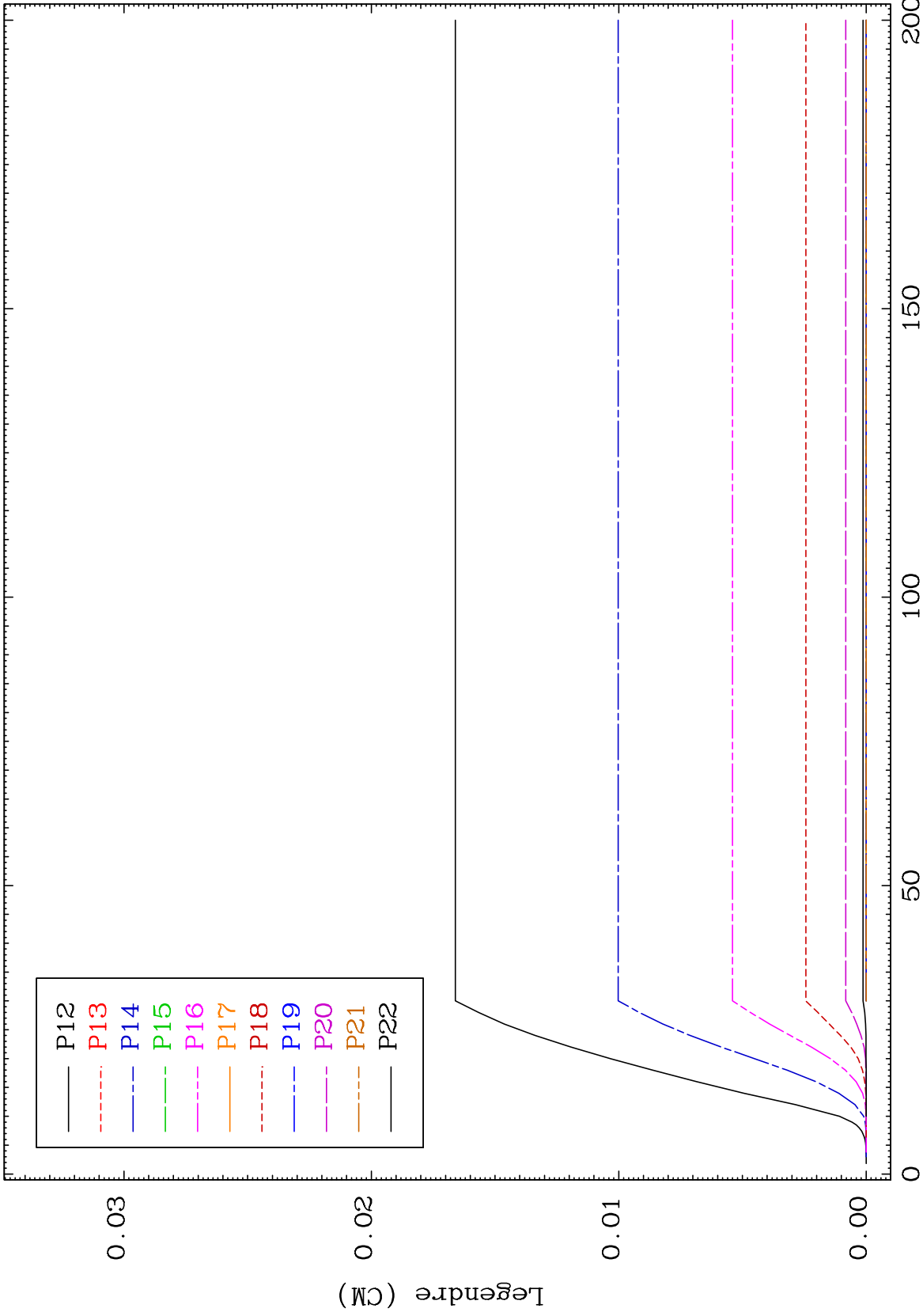


32

MAT 6849

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

68-Er-170



33

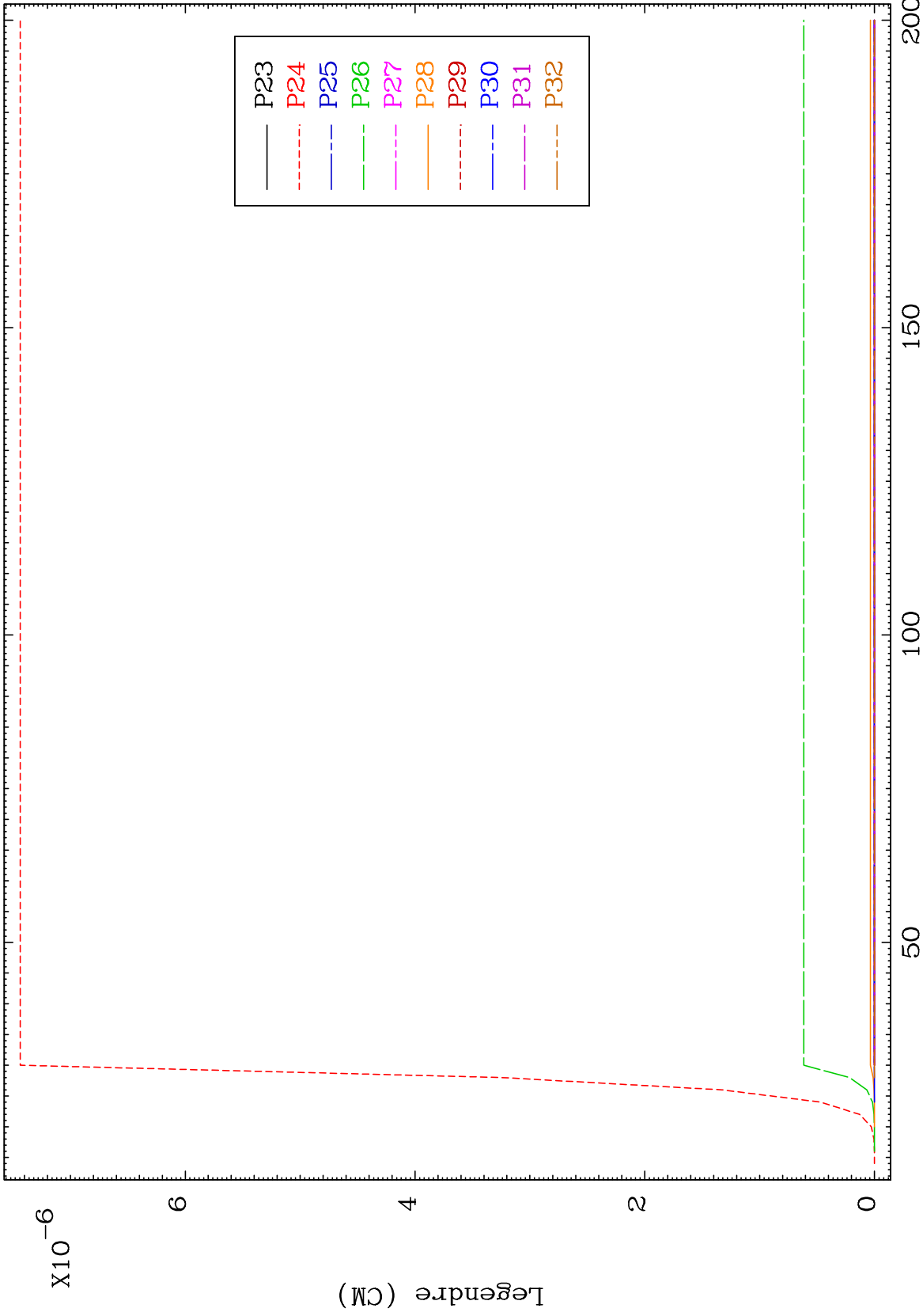
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



34

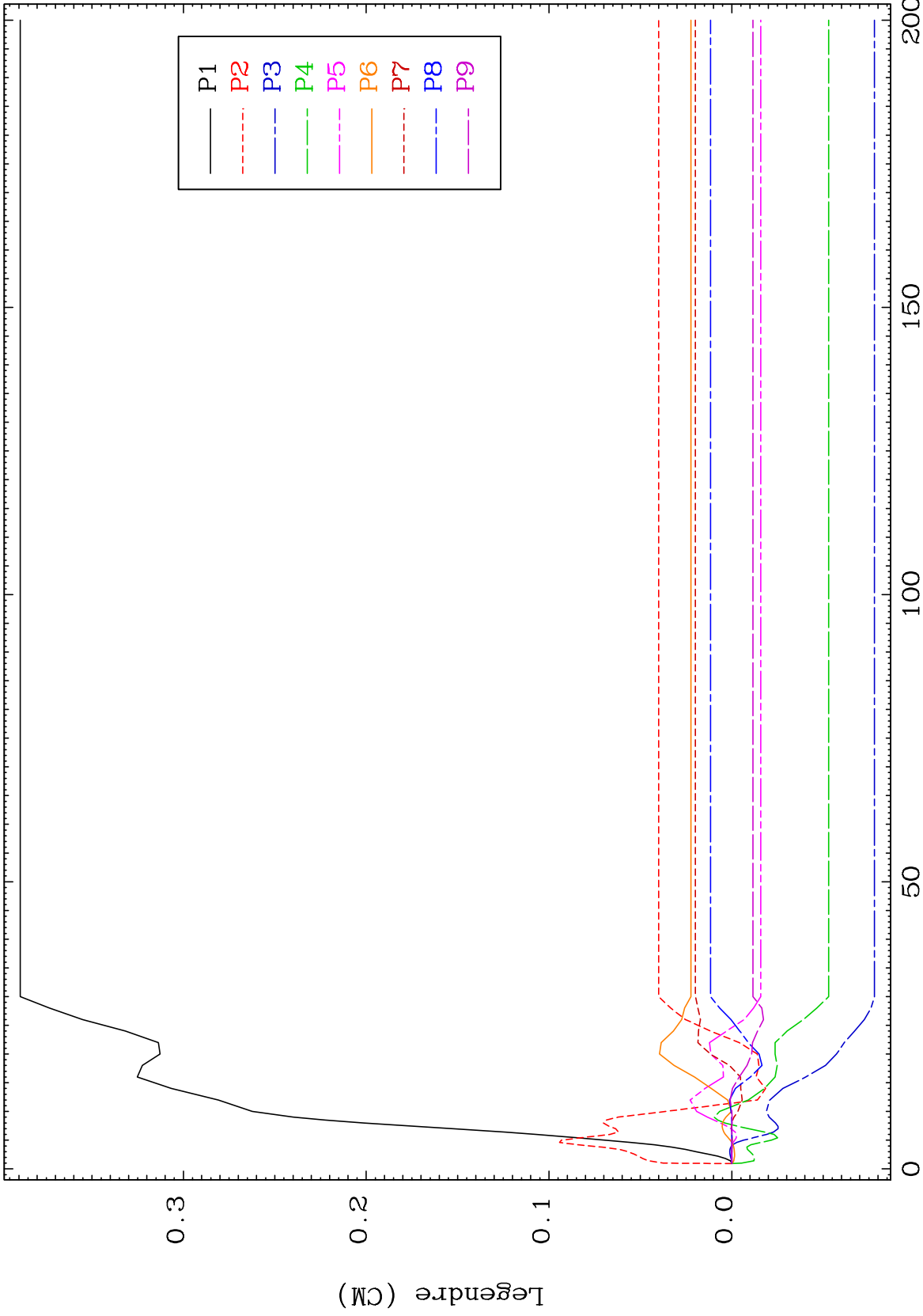
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



35

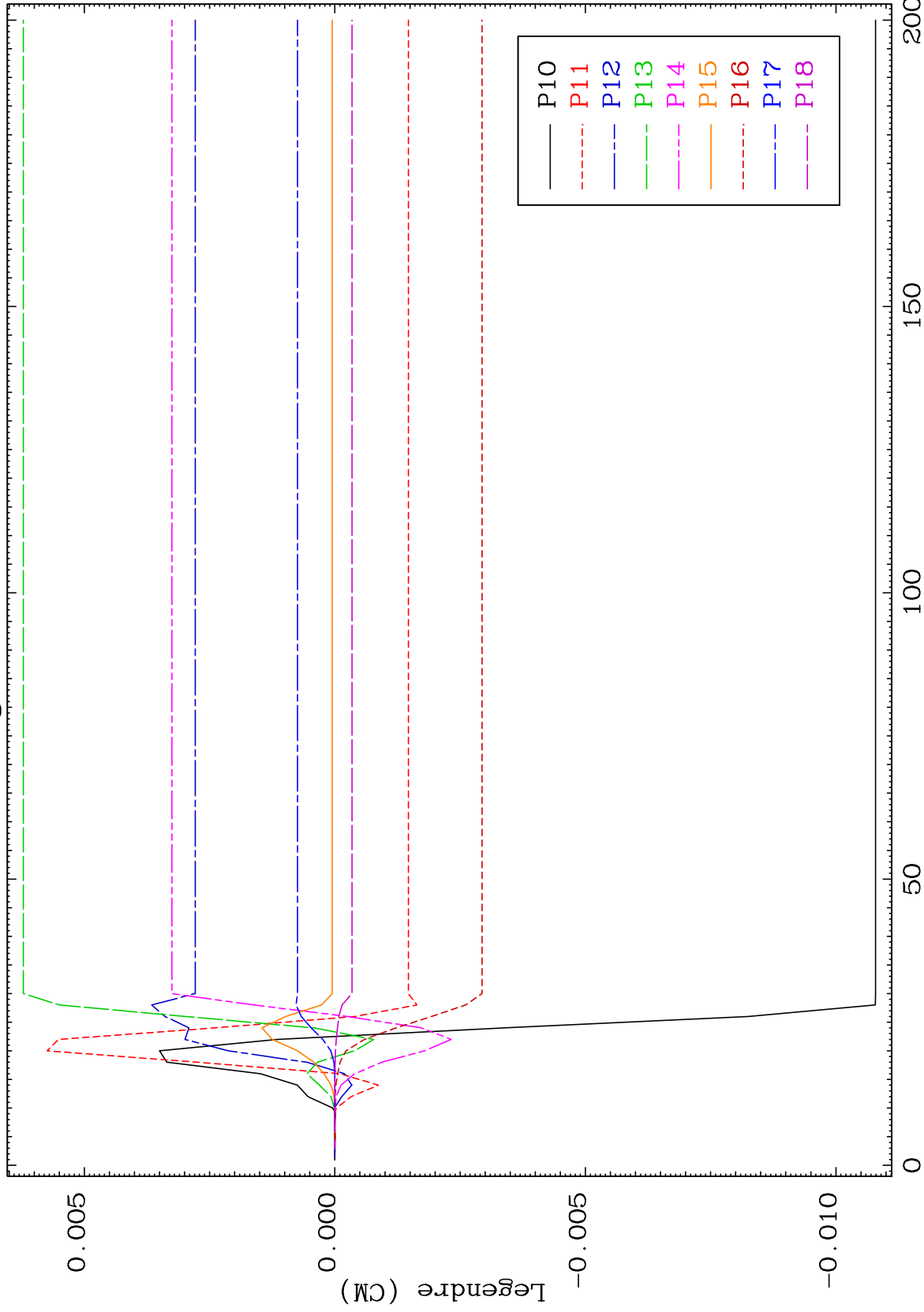
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



36

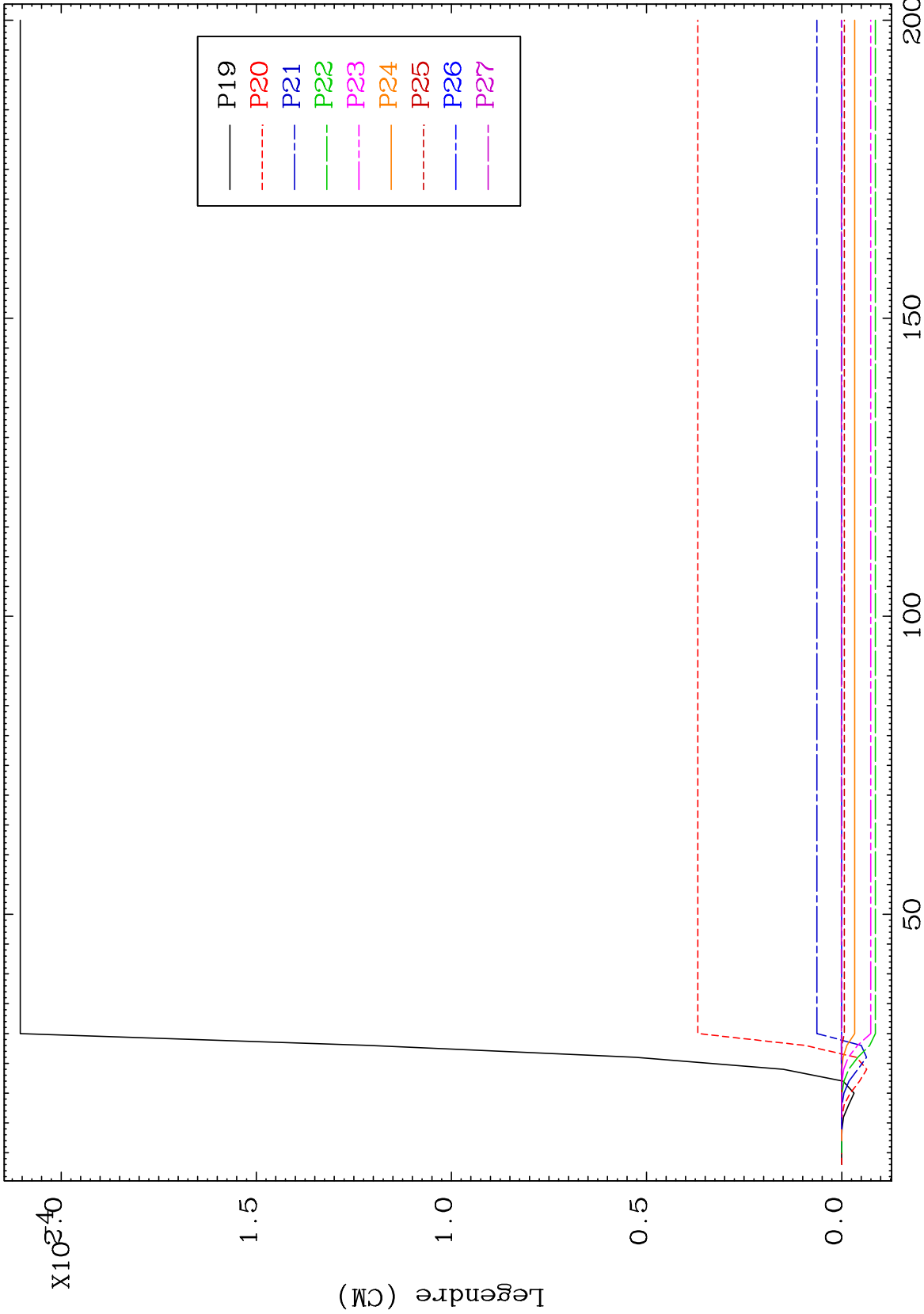
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



37

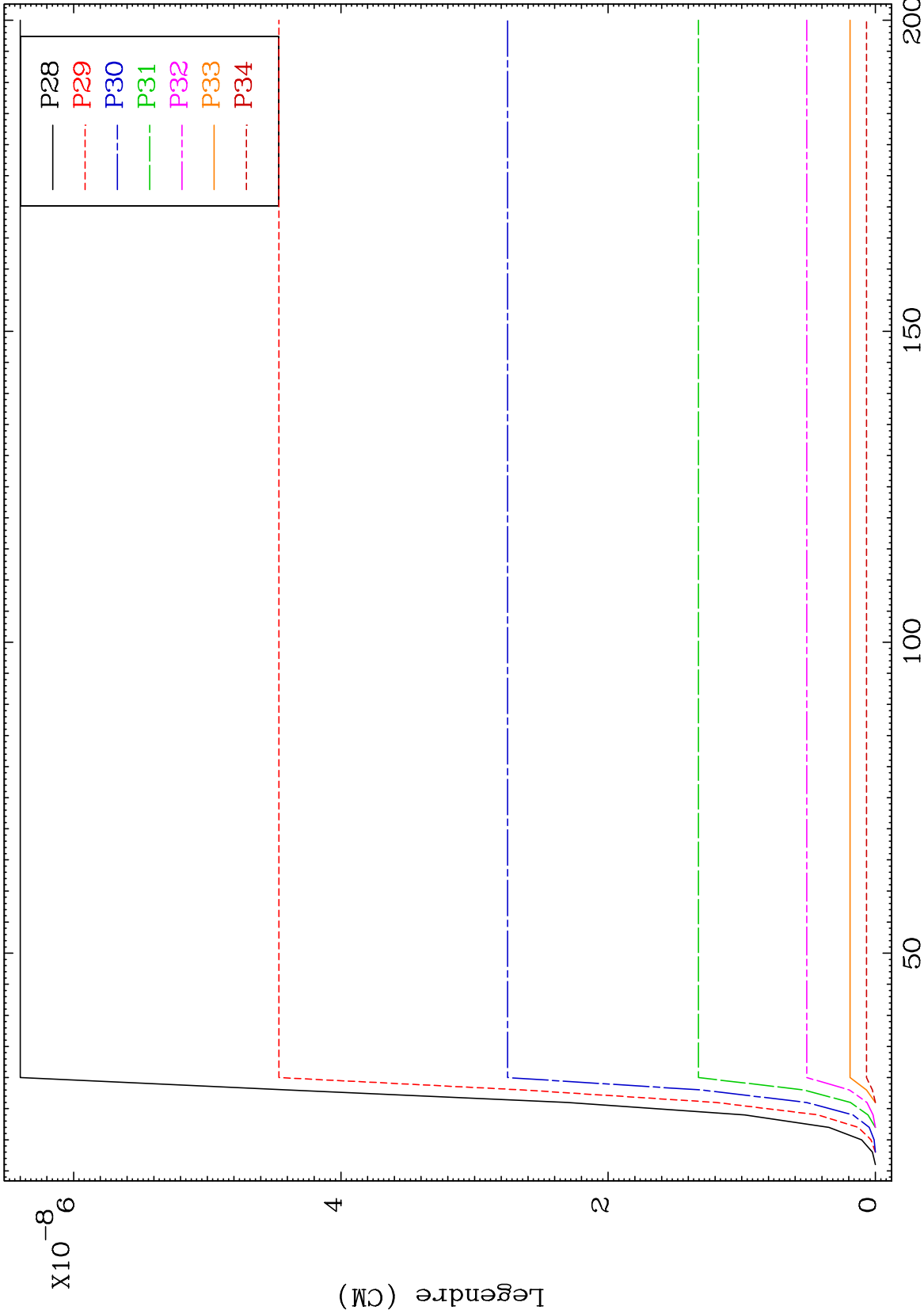
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



38

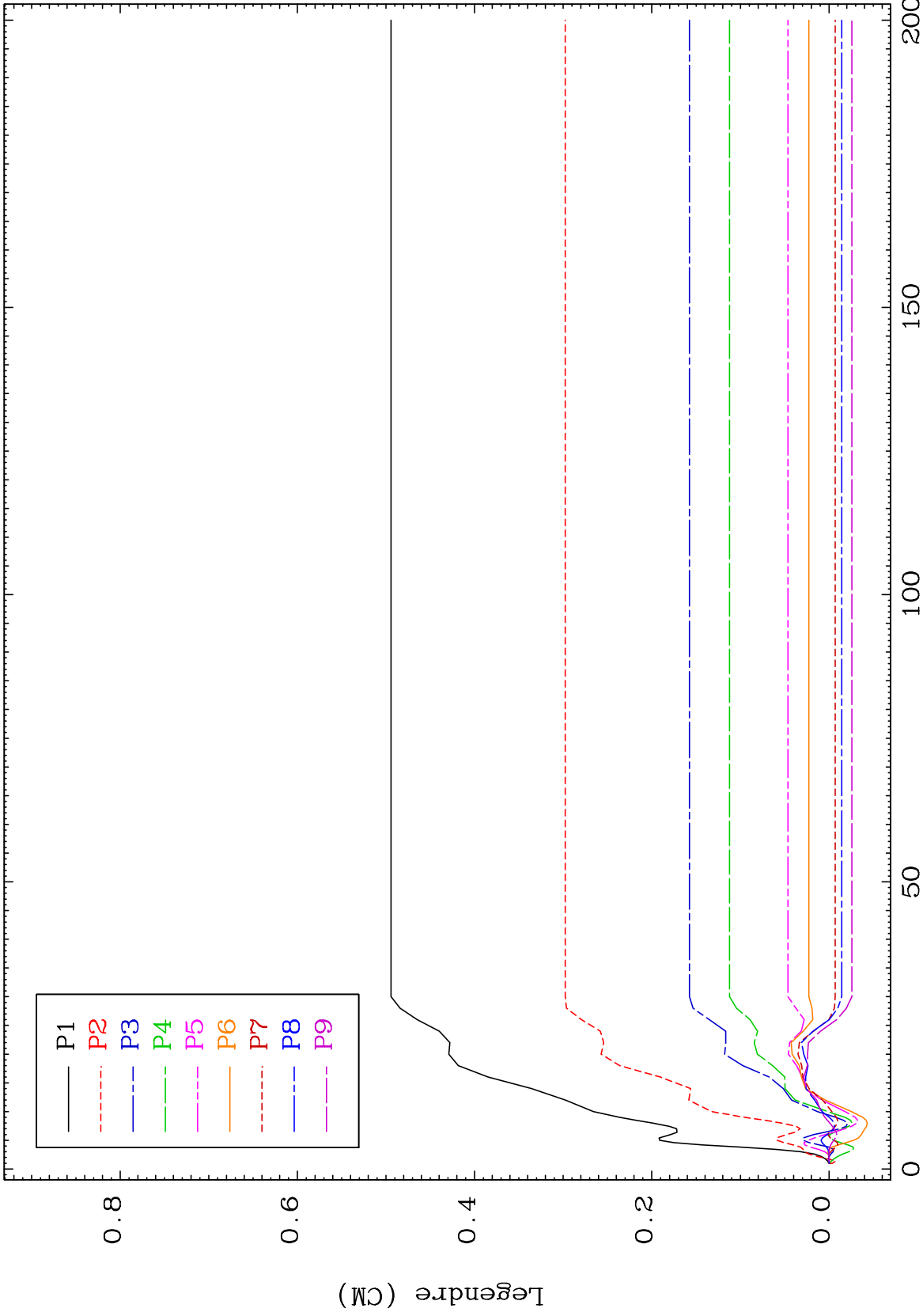
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



39

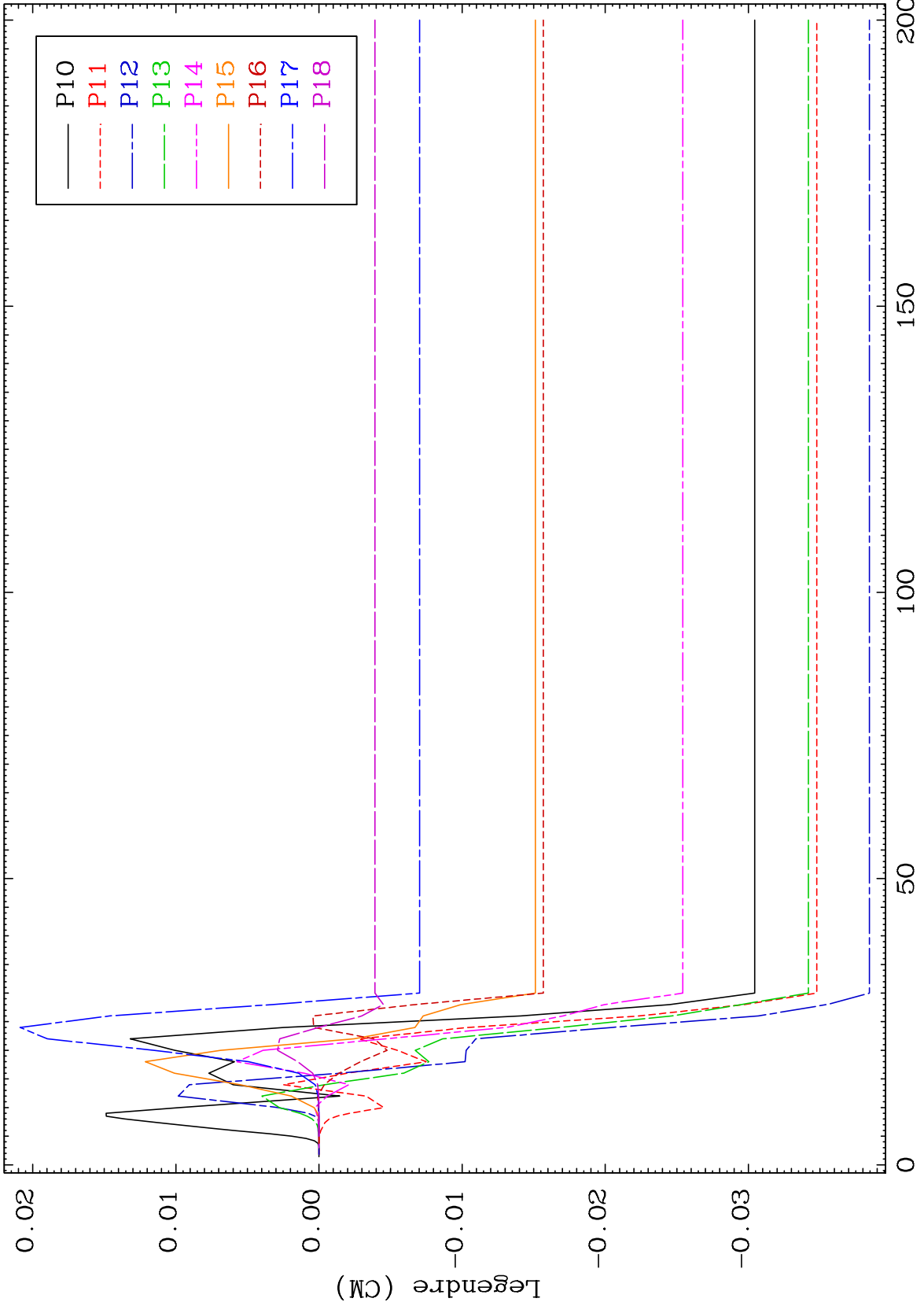
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



40

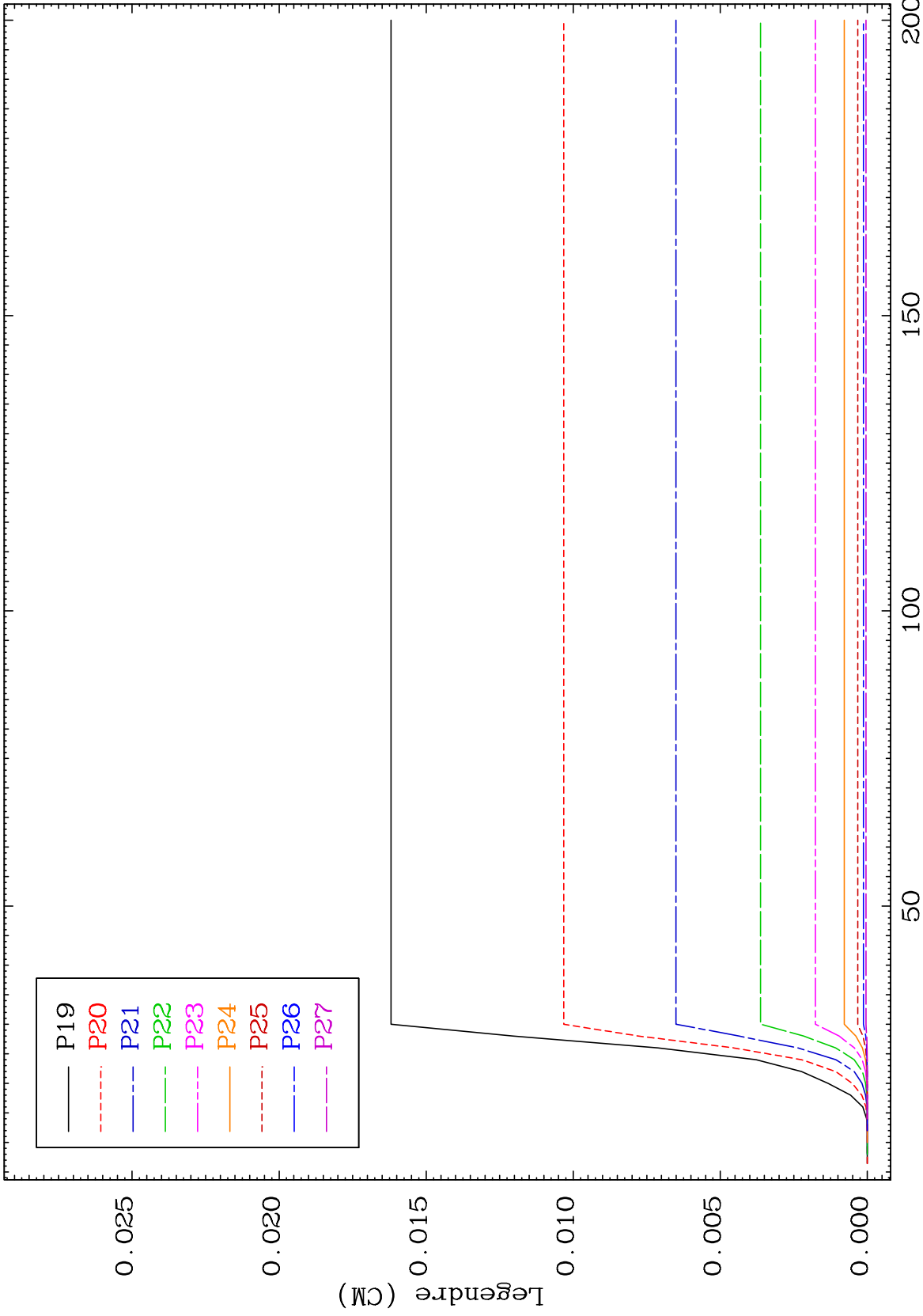
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



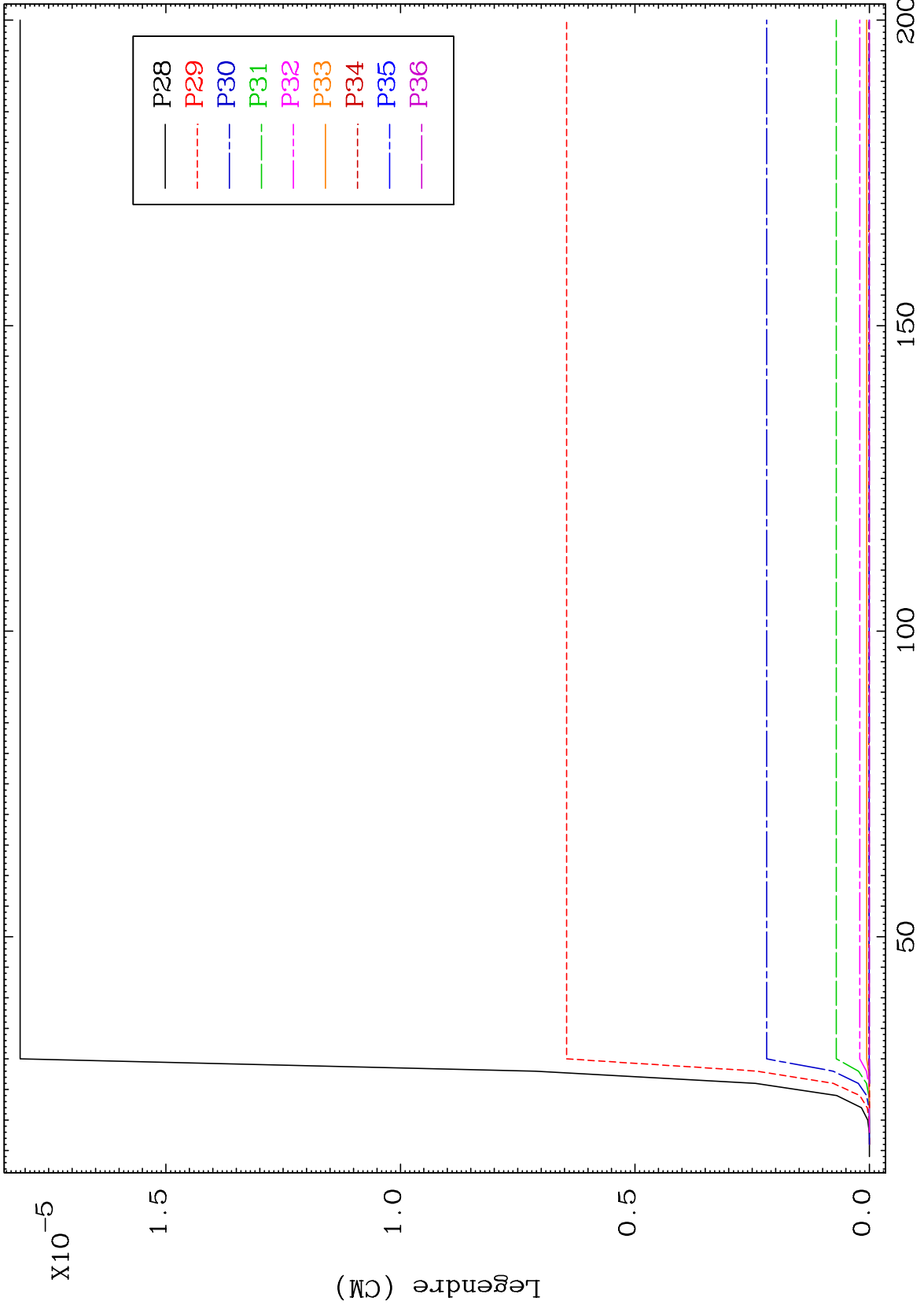
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68-Er-170

MAT 6849

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

68-Er-170



42

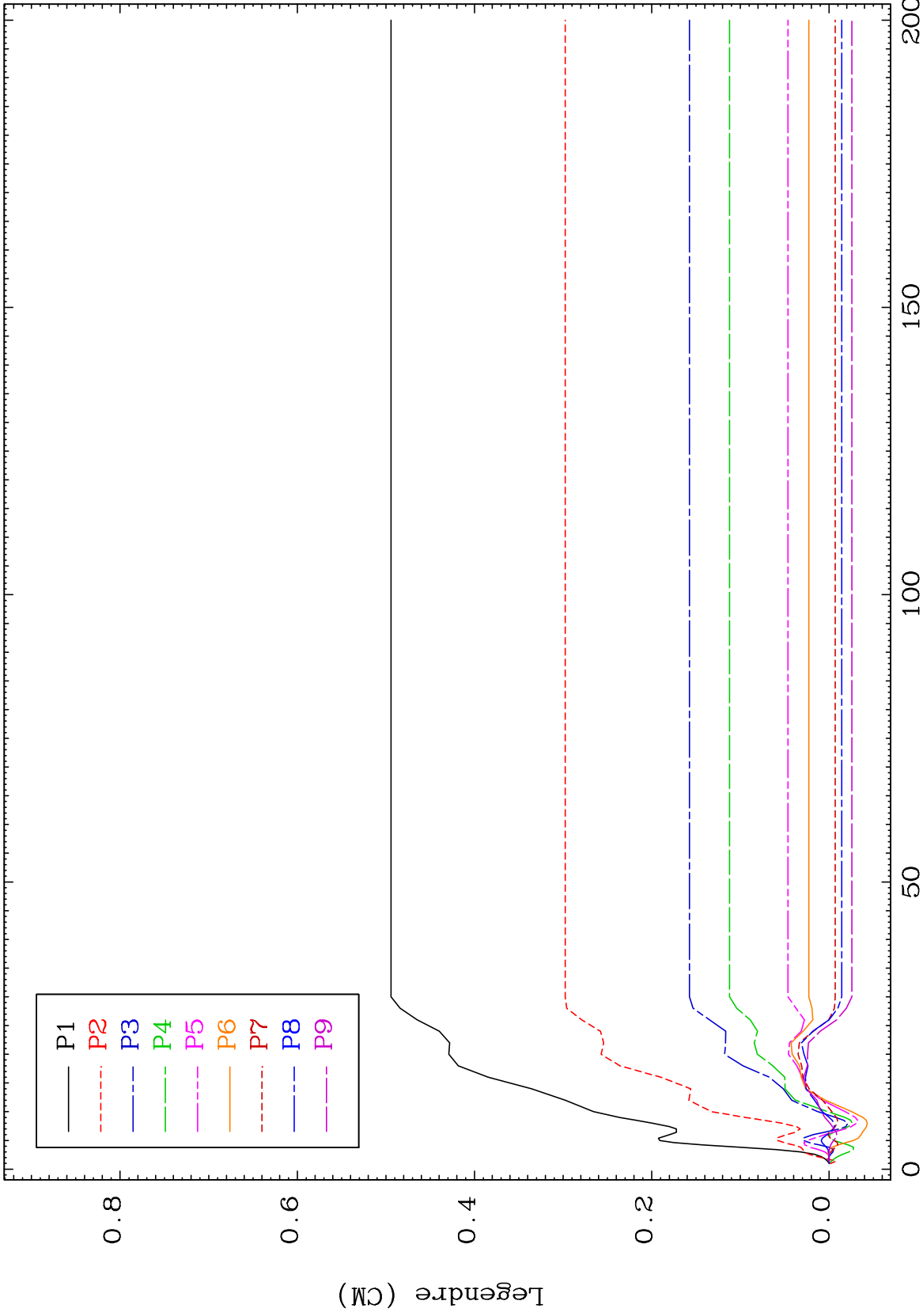
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



43

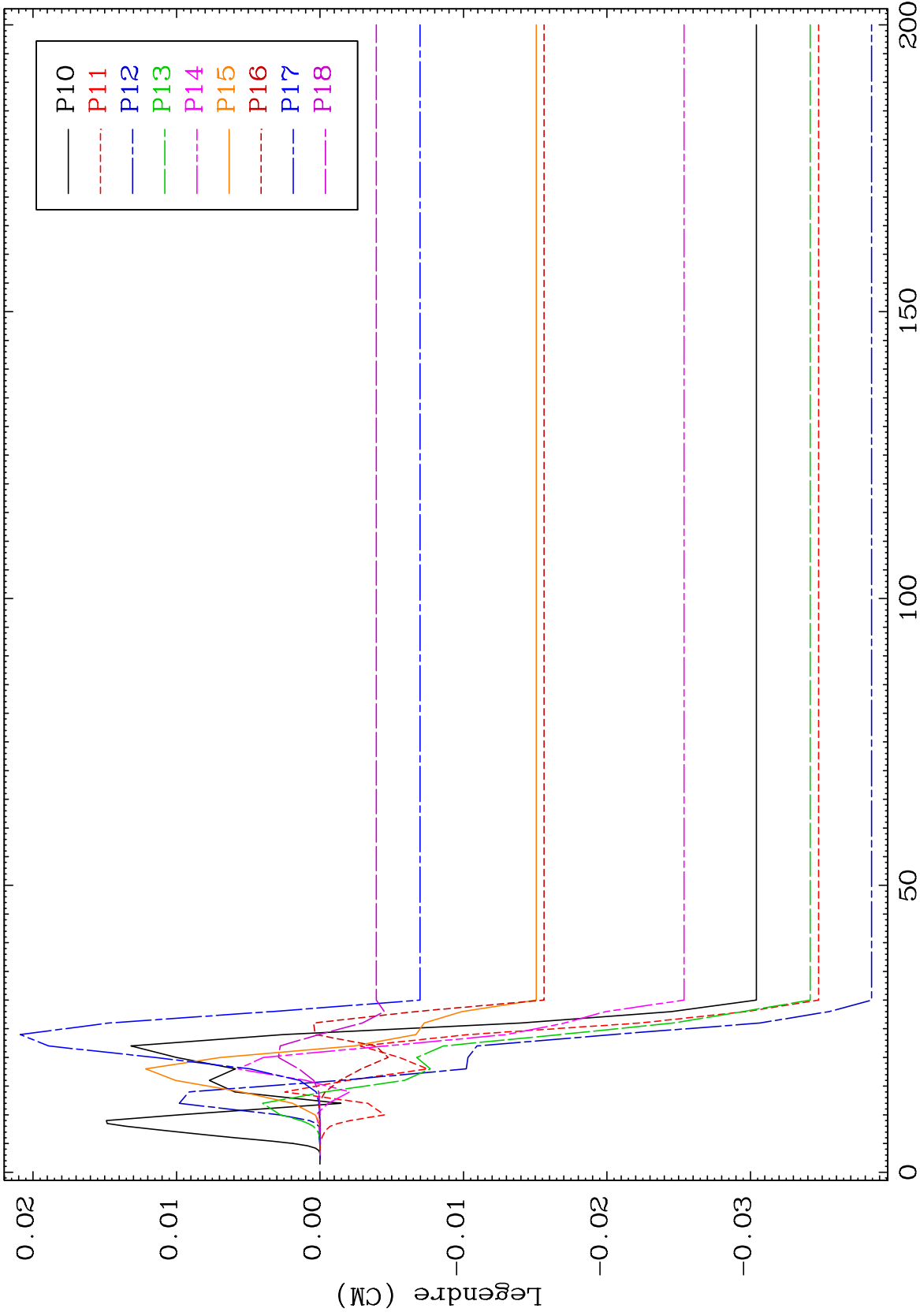
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



44

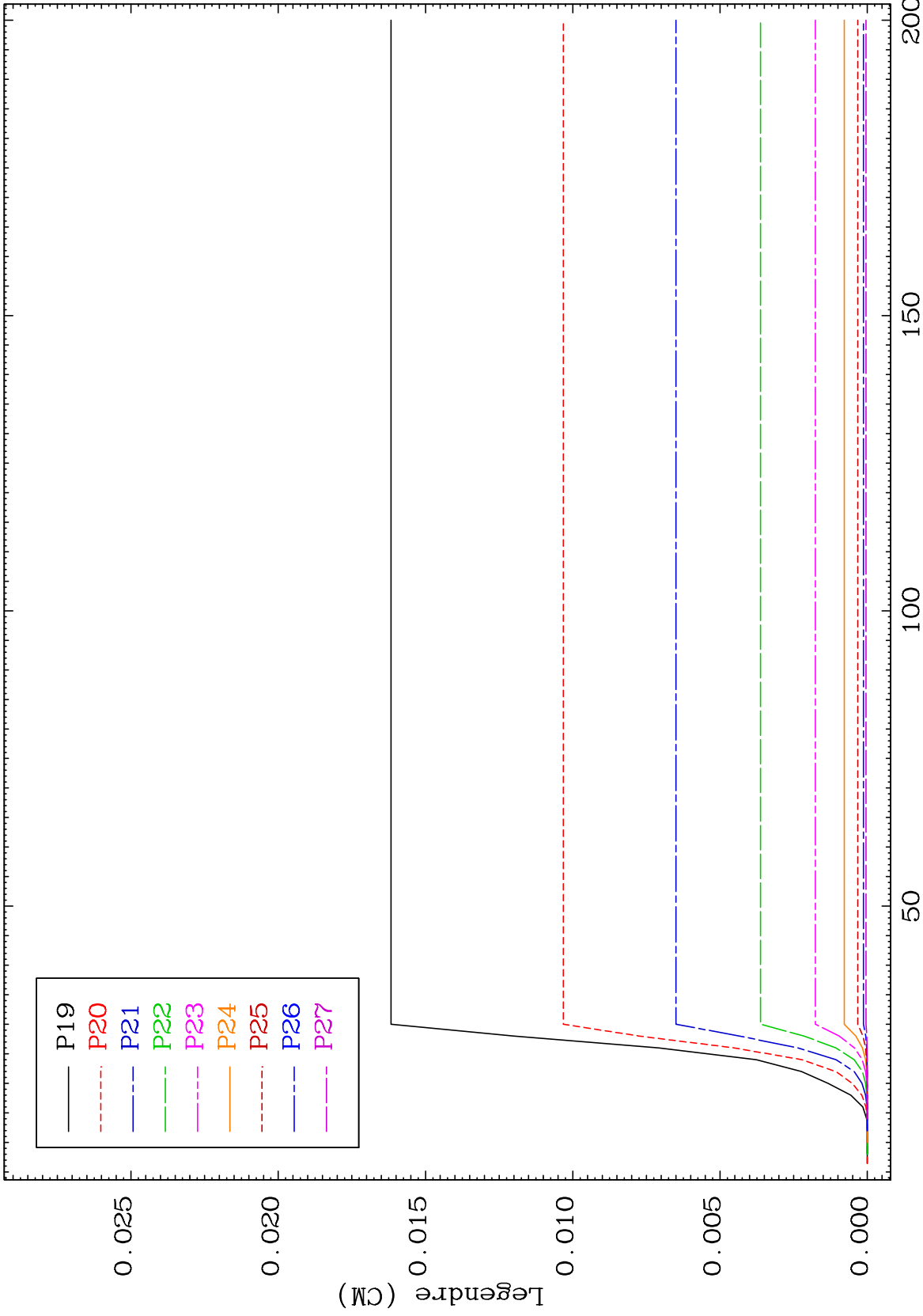
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



45

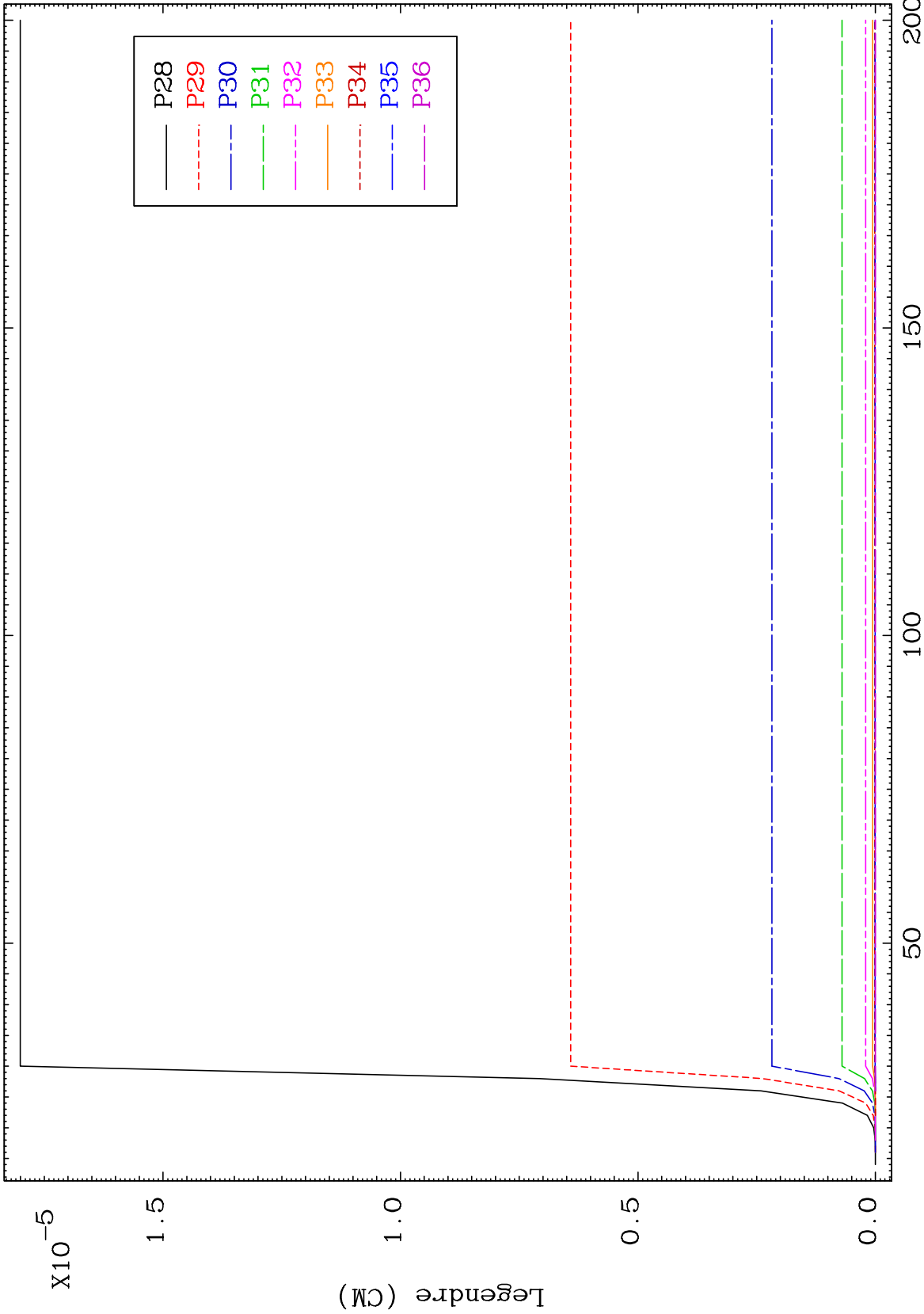
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



46

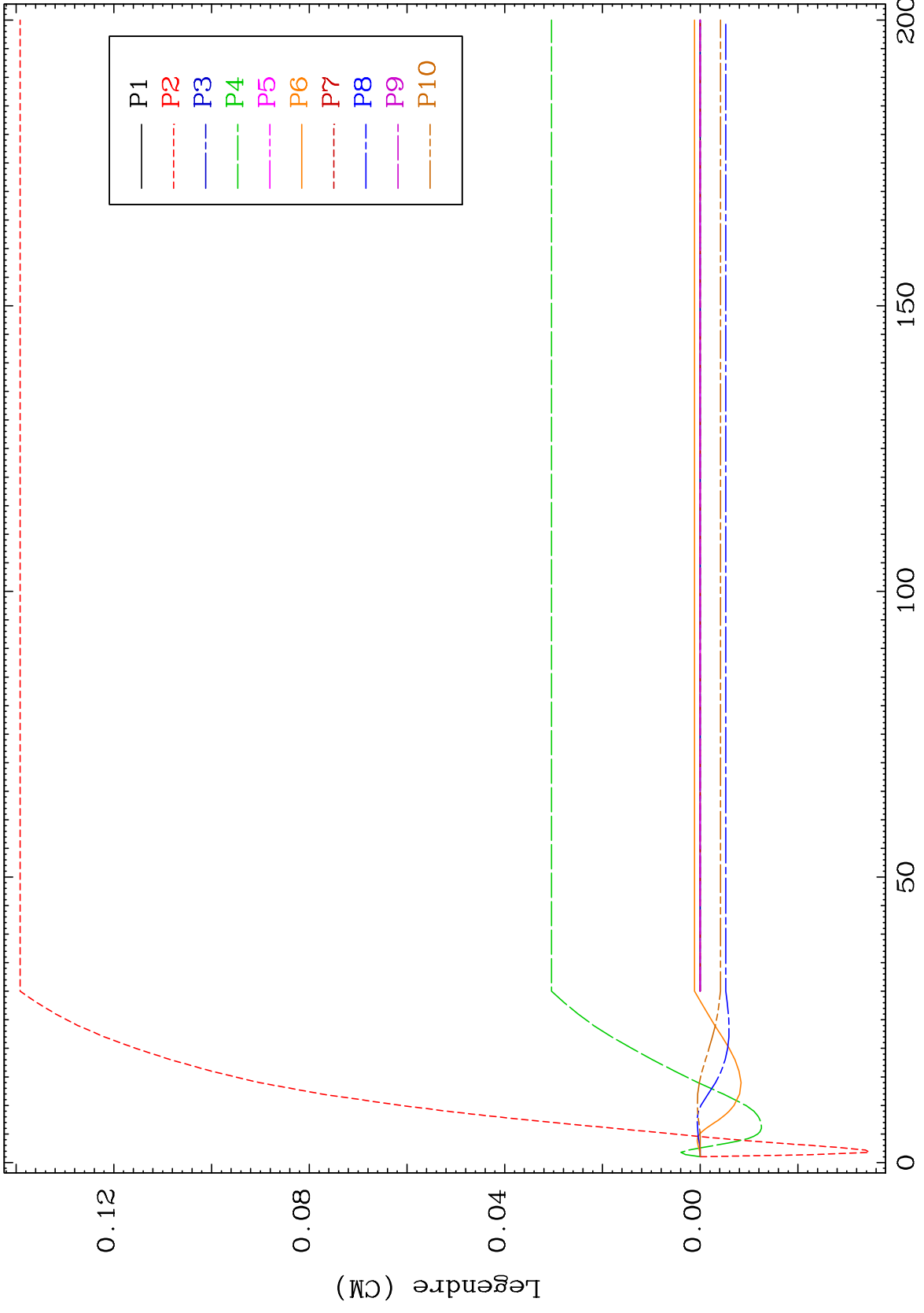
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



47

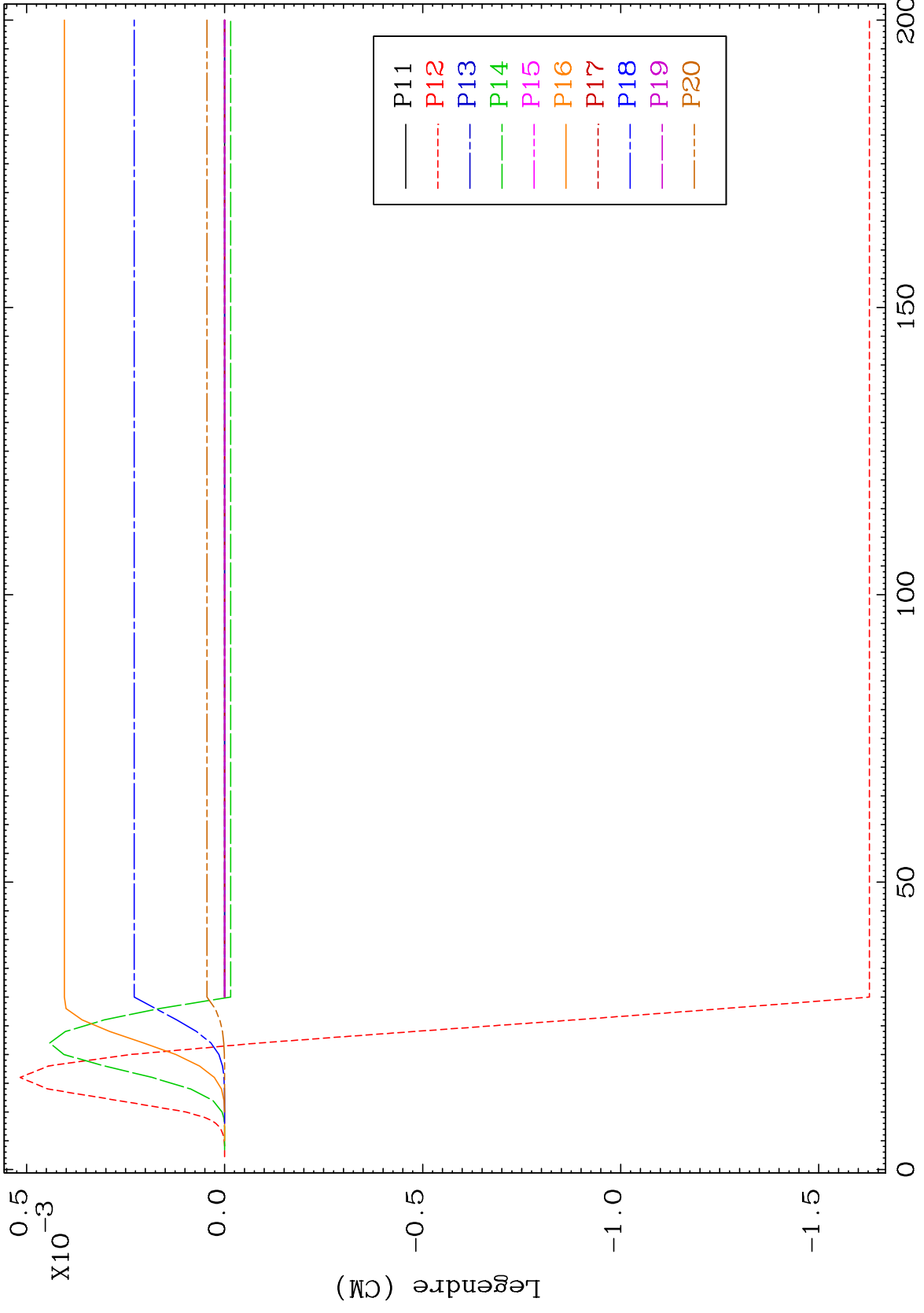
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



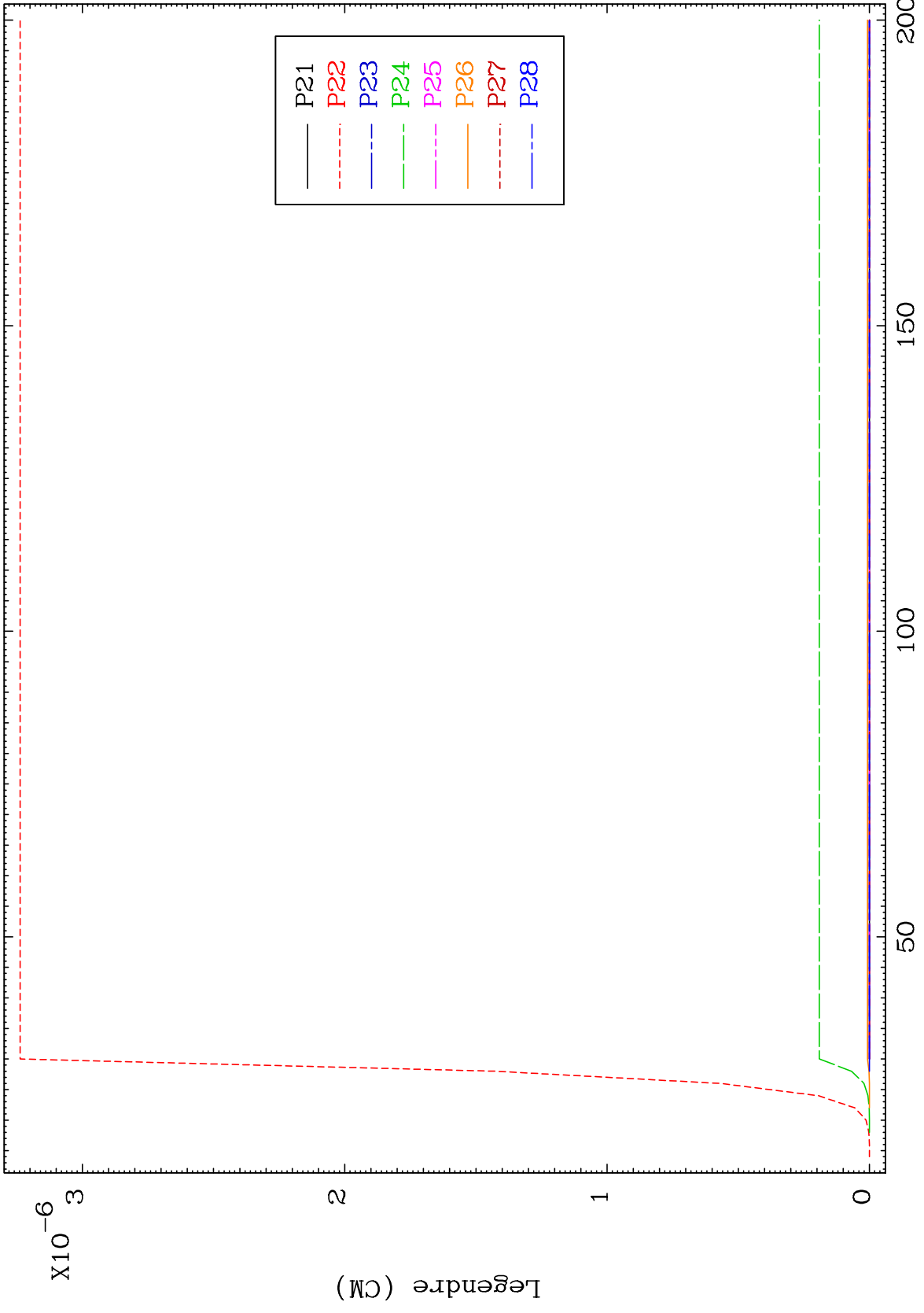
48

68-Er-170

MAT 6849

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

68-Er-170



49

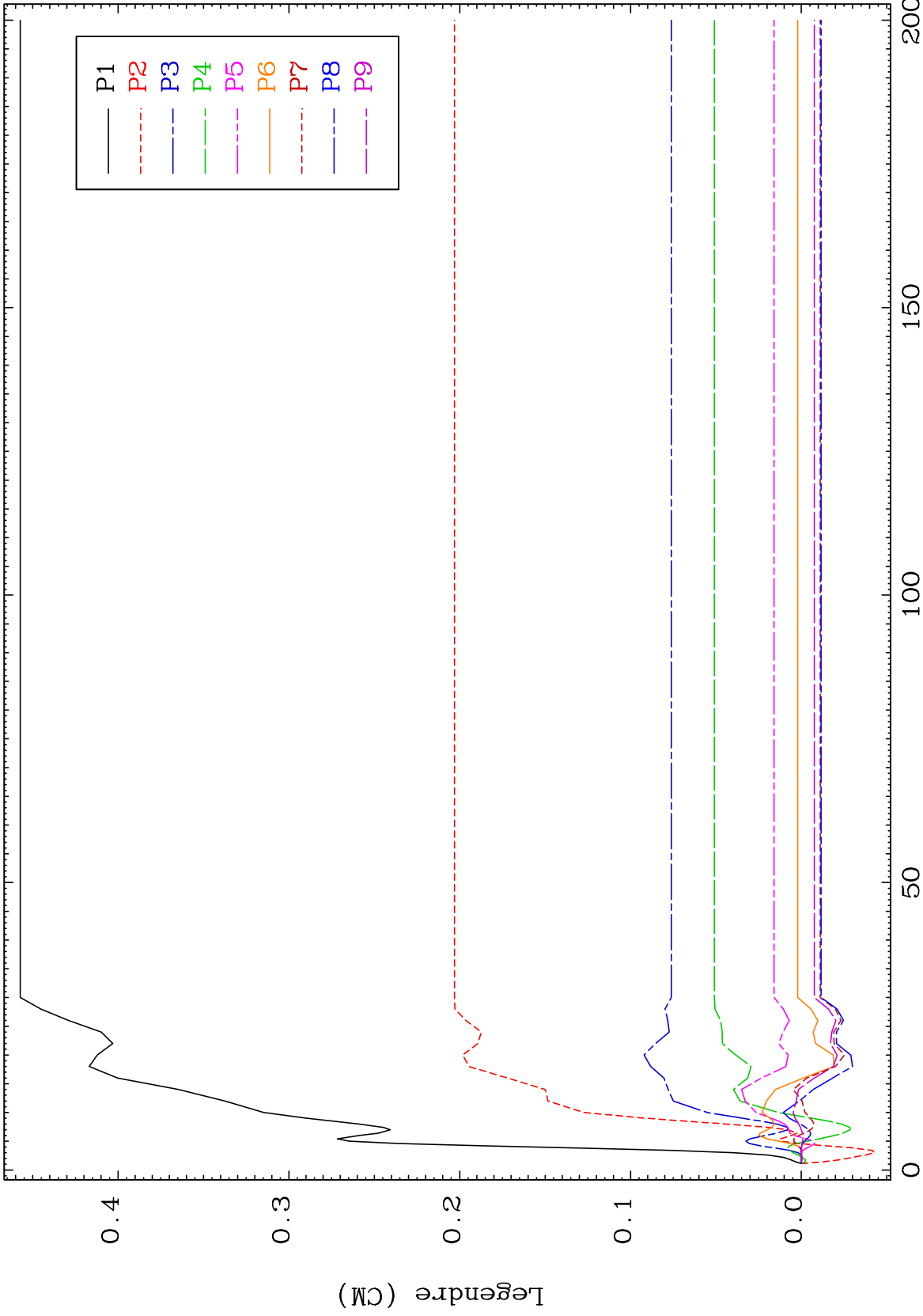
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



68-Er-170

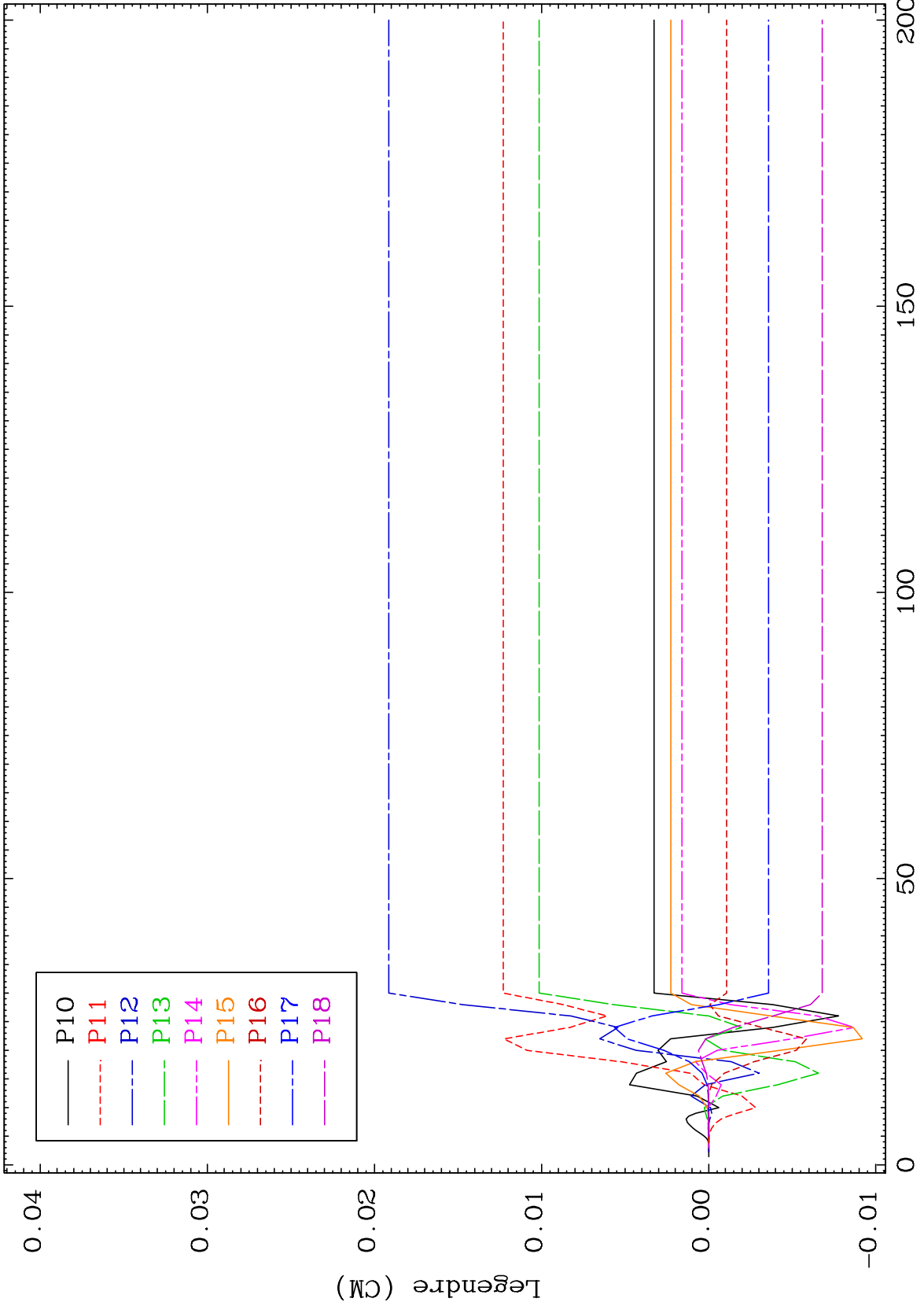
Incident Energy (MeV)

Legendre (CM)

MAT 6849

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

68-Er-170



51

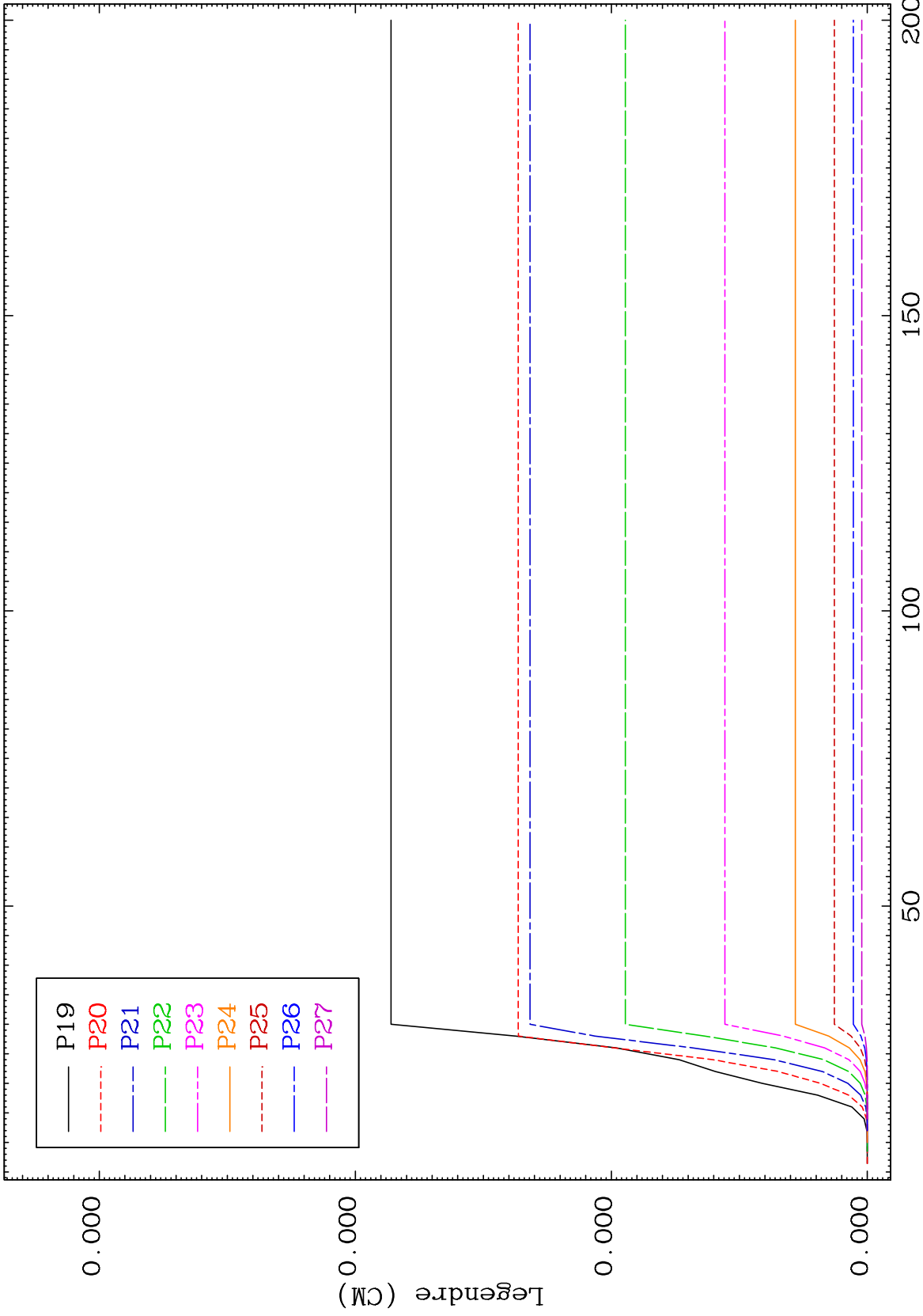
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



52

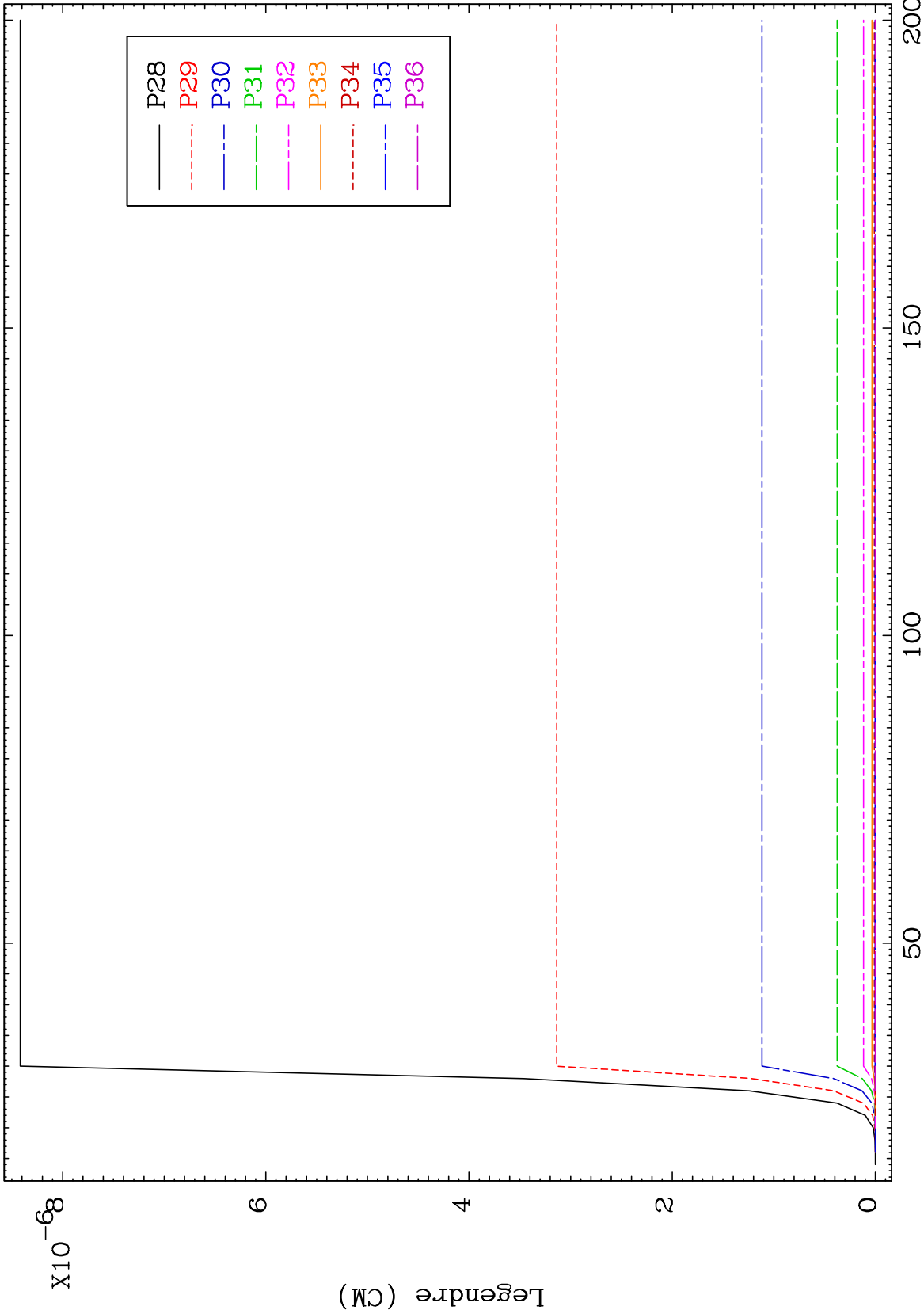
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



53

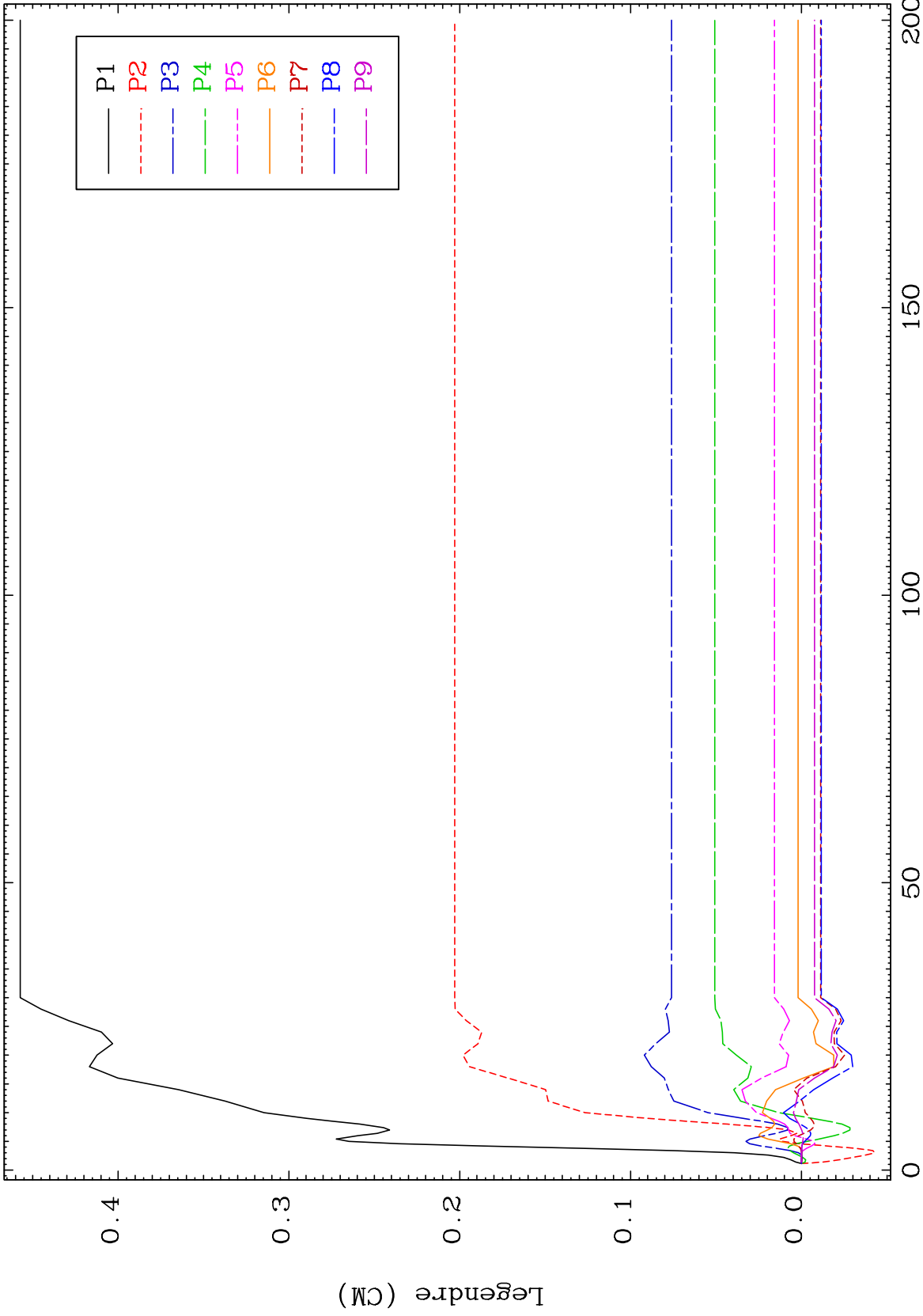
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



54

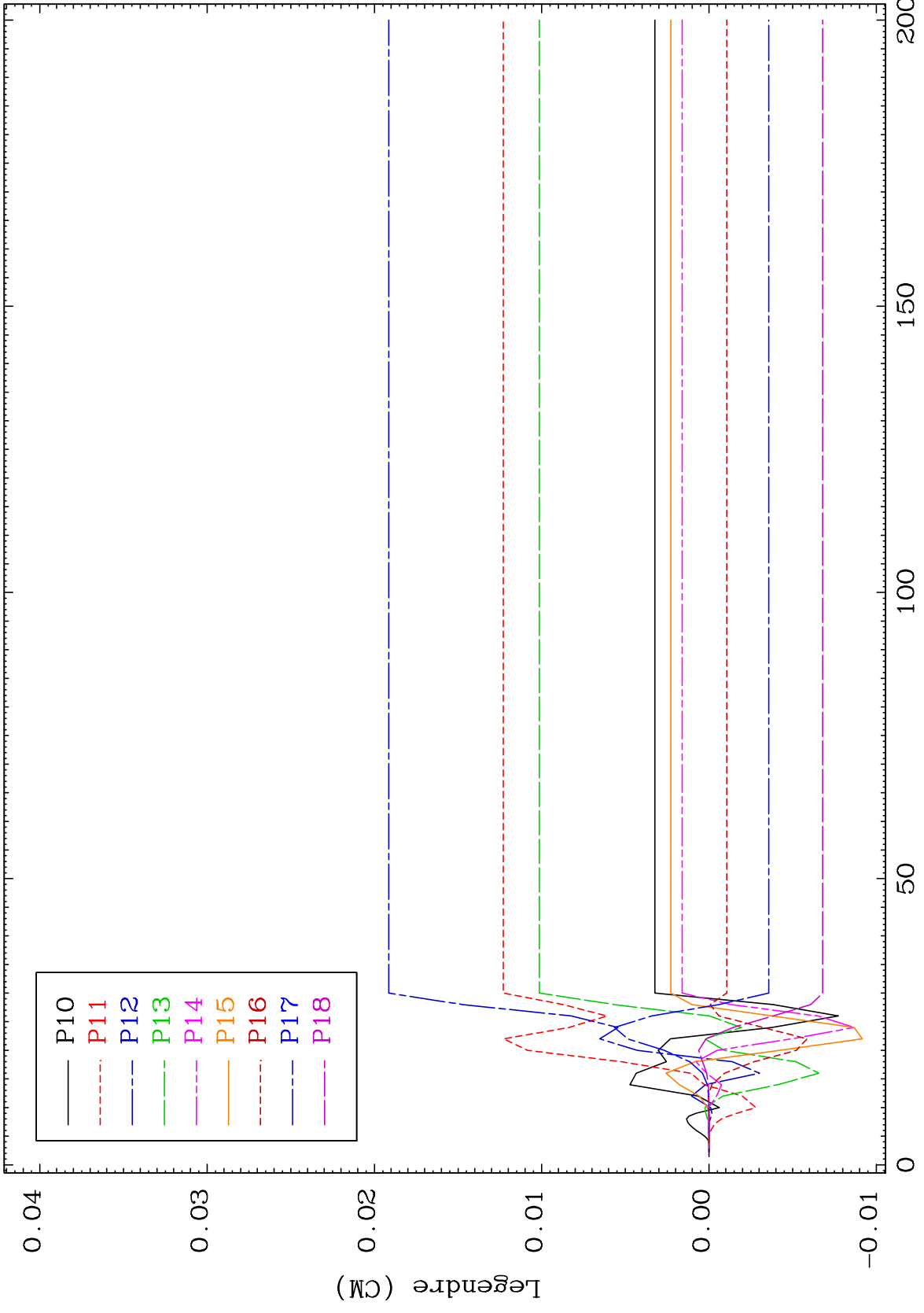
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



55

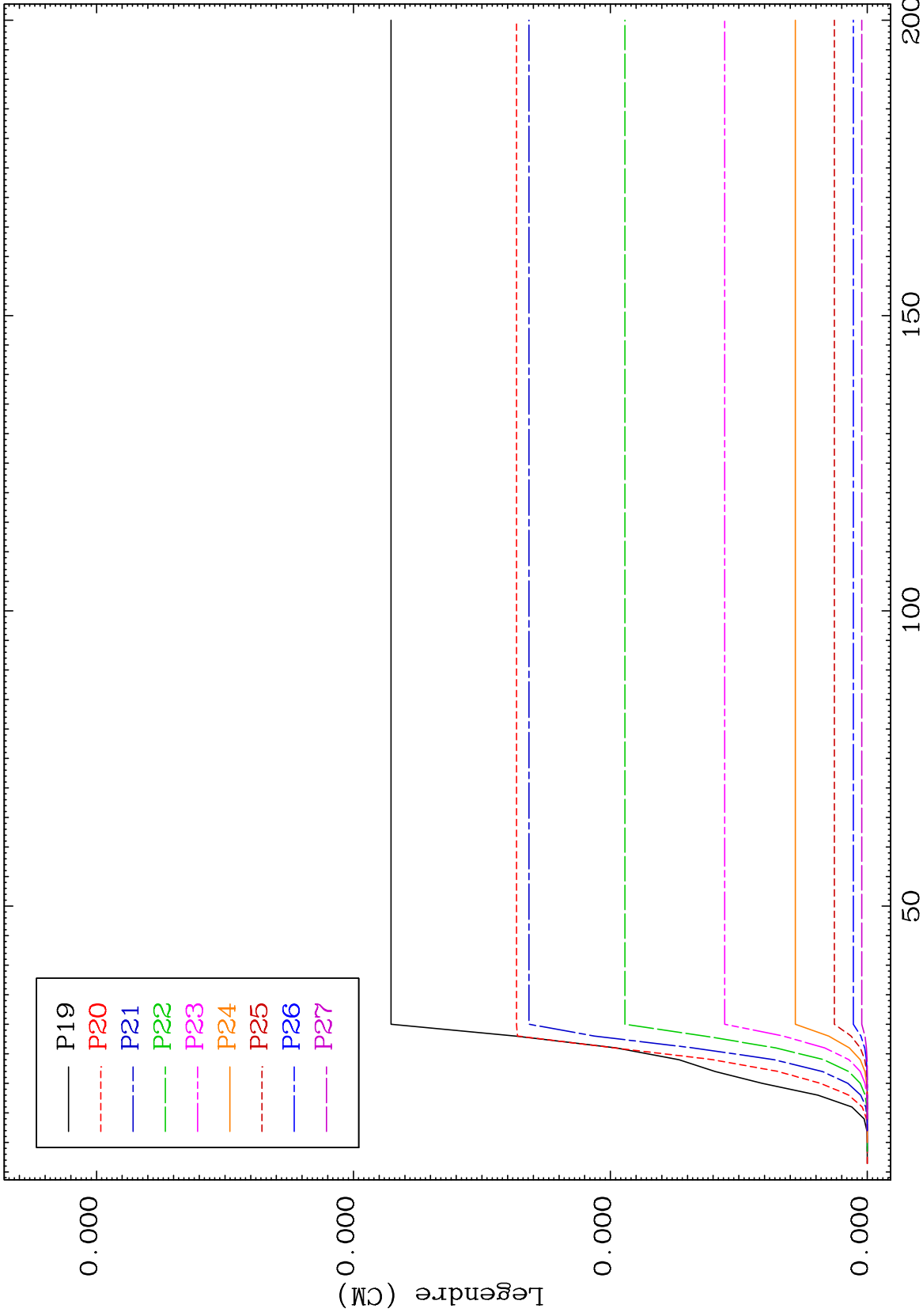
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



56

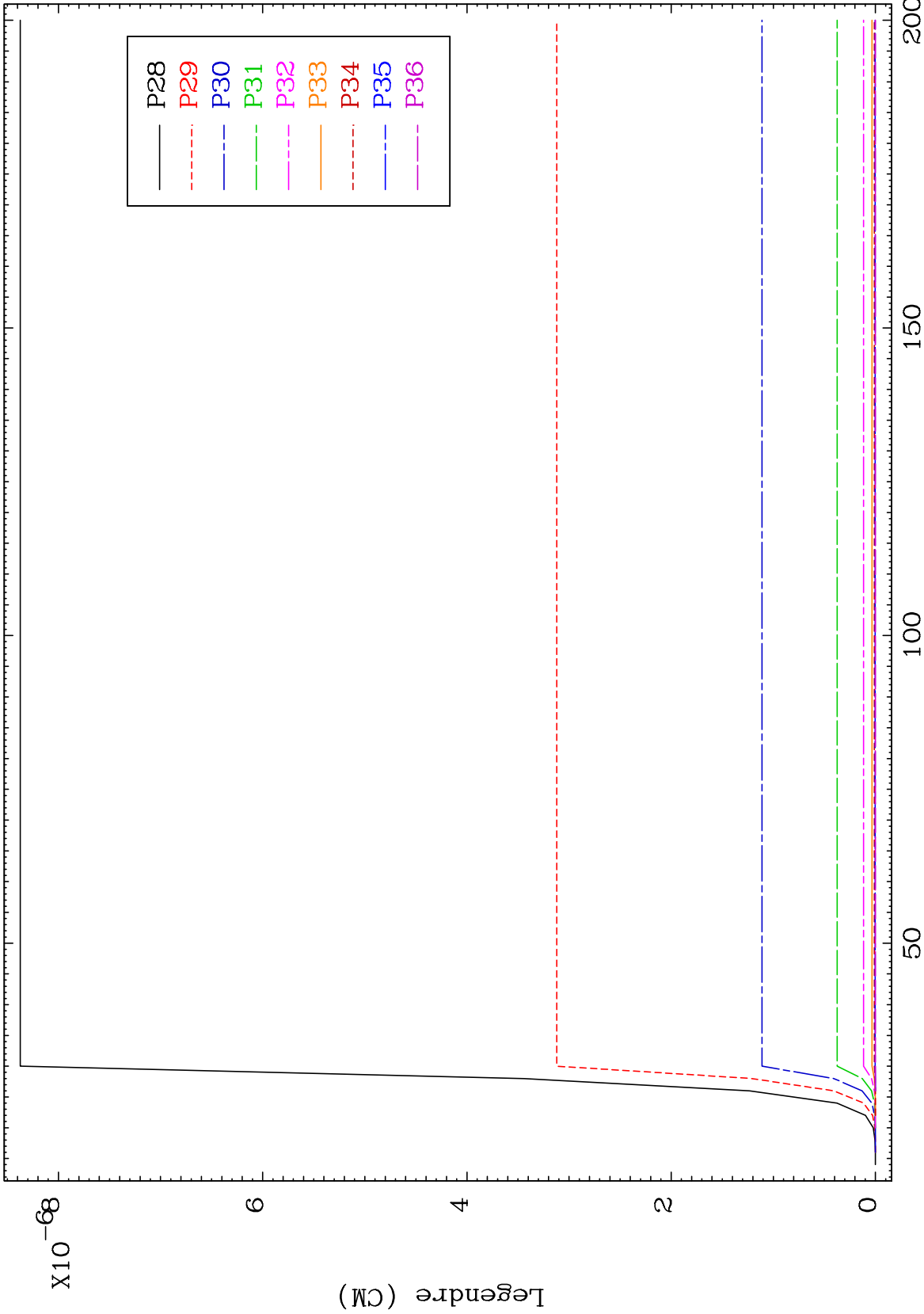
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



57

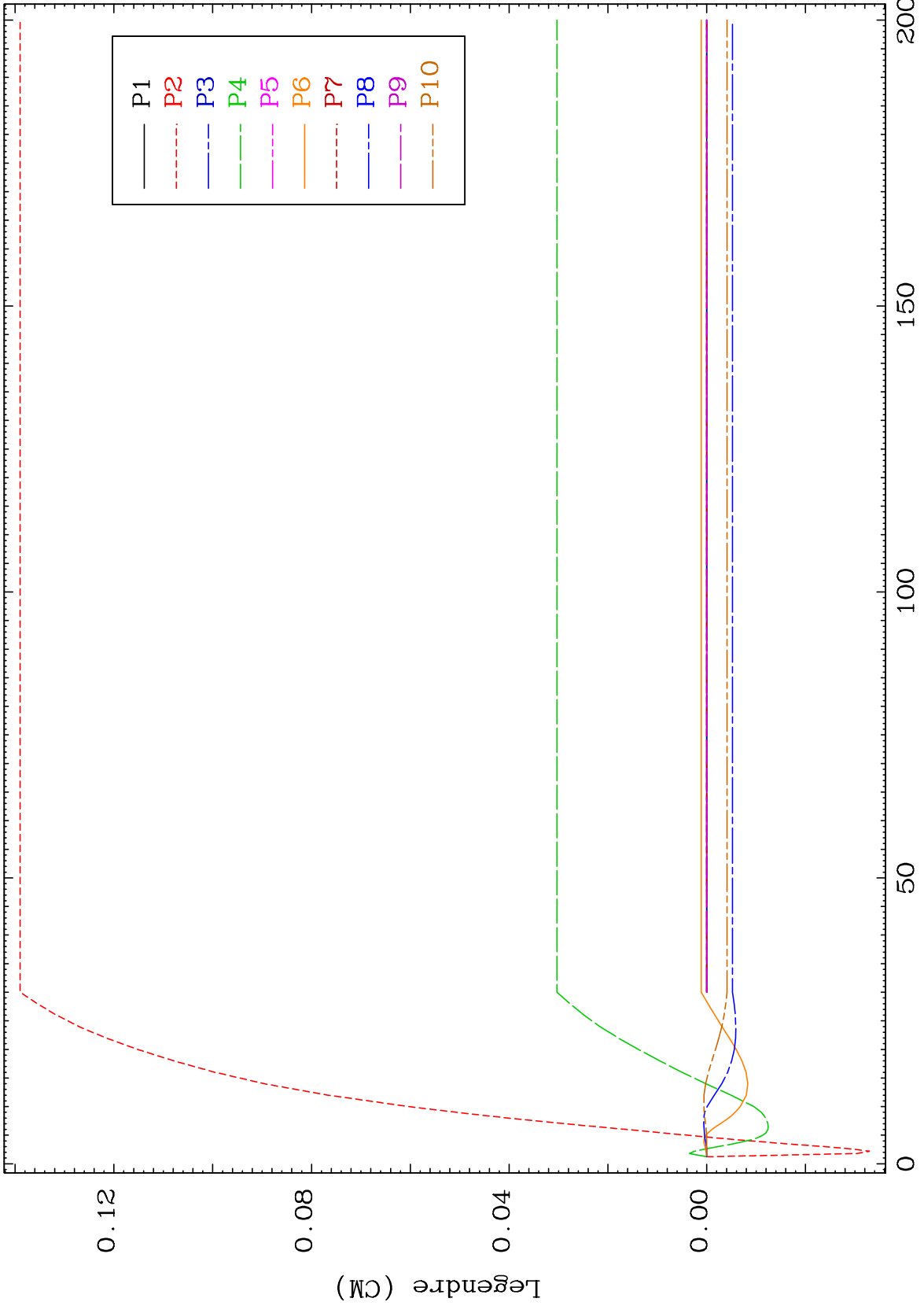
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



58

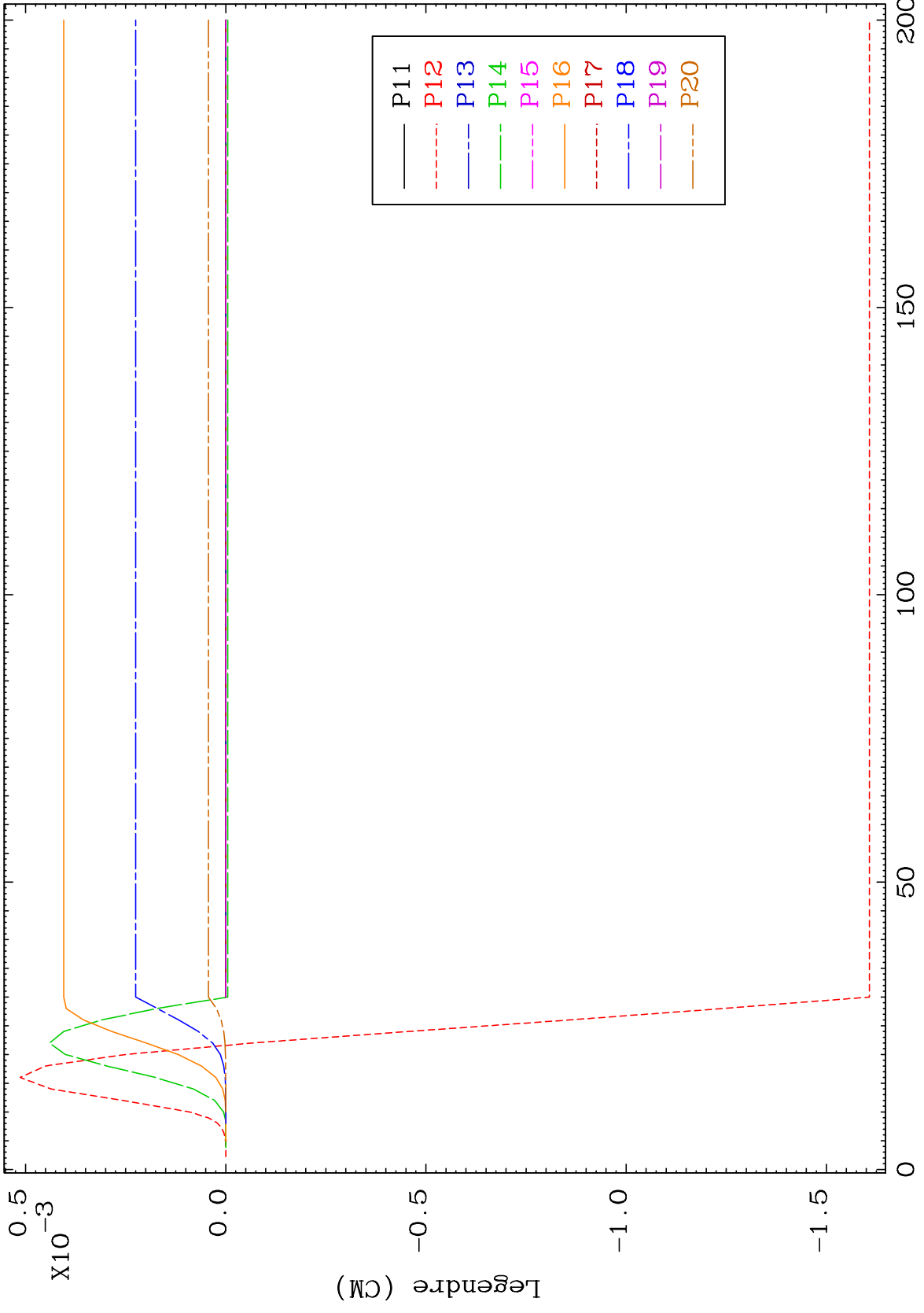
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



59

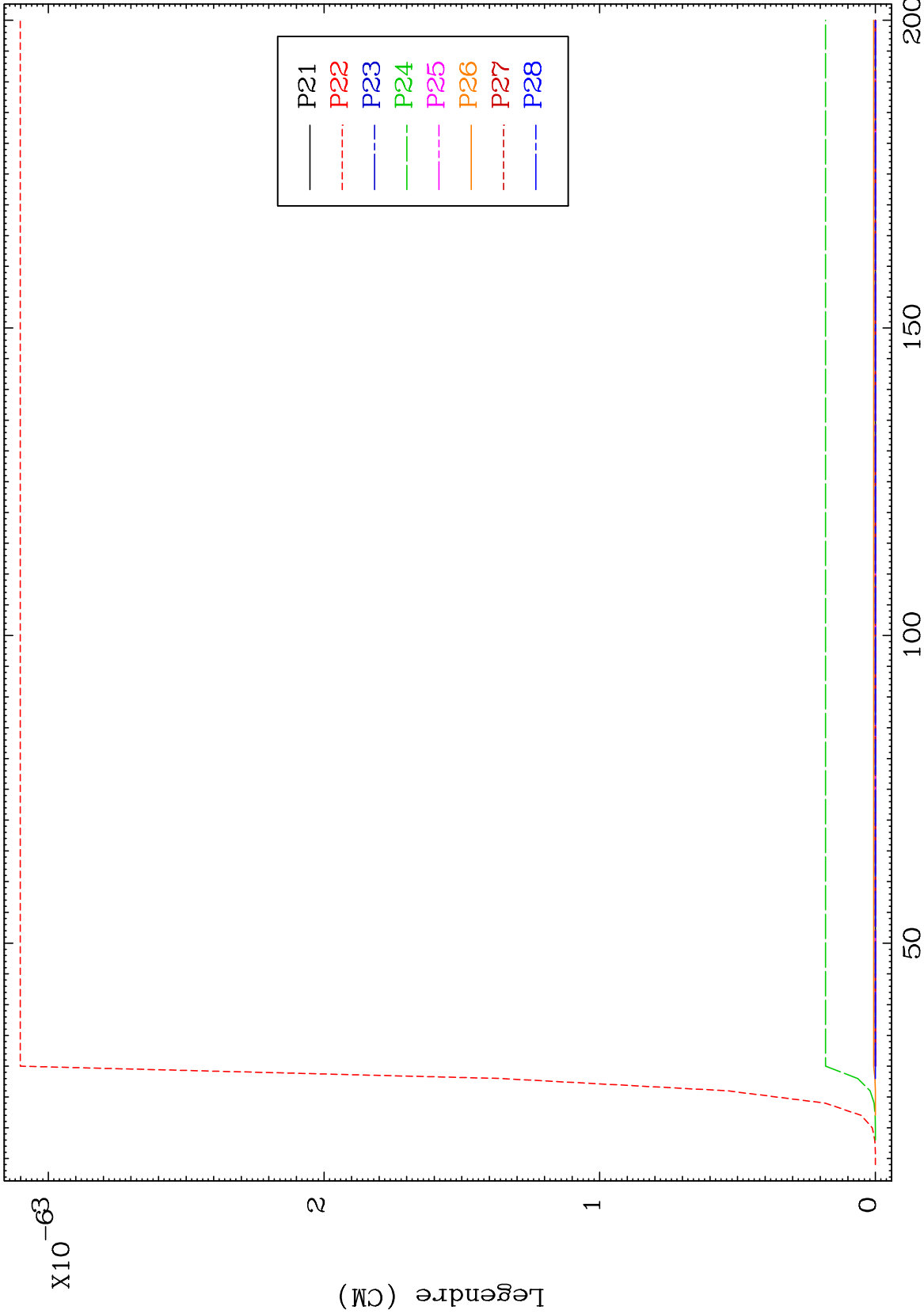
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



60

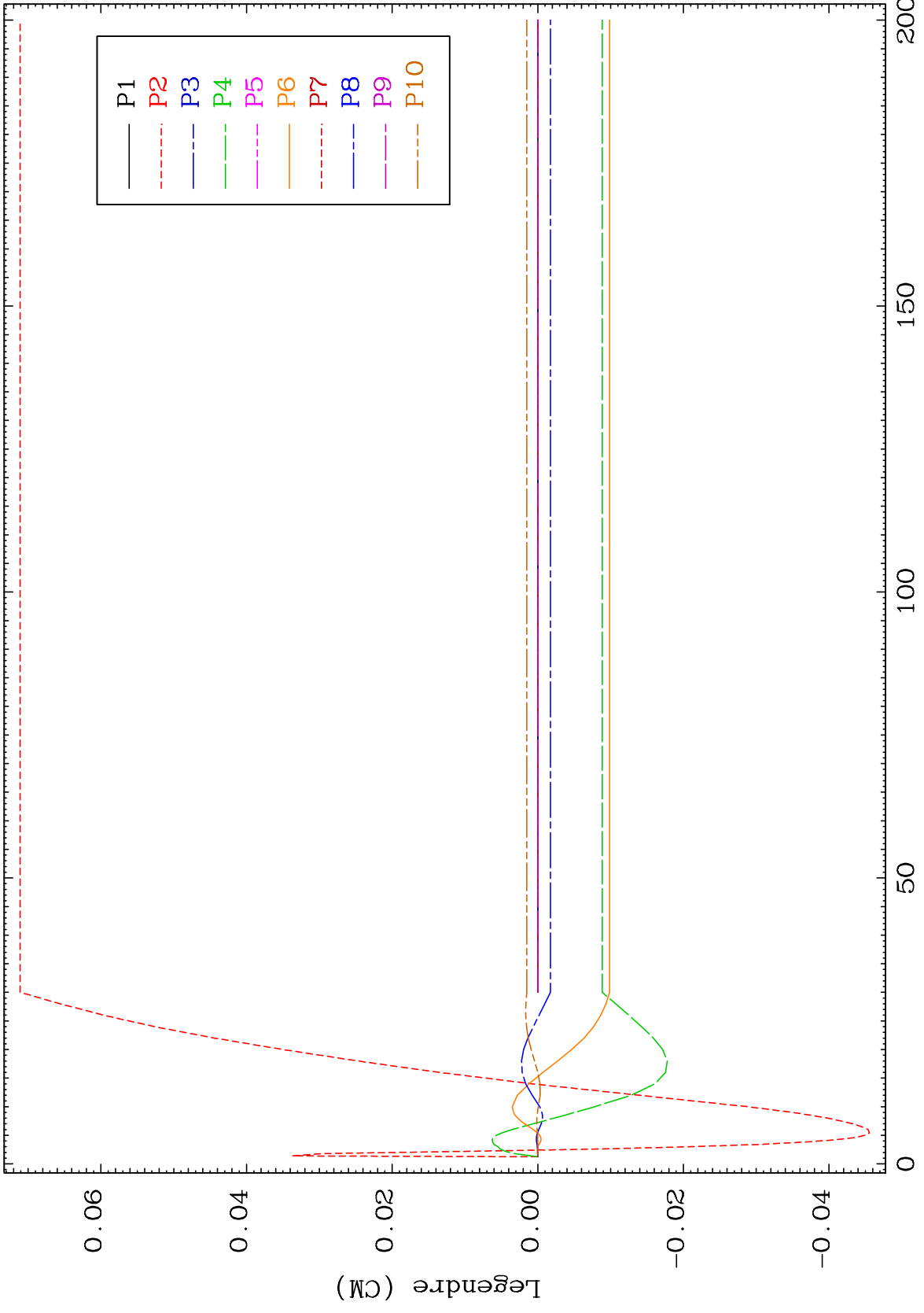
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



61

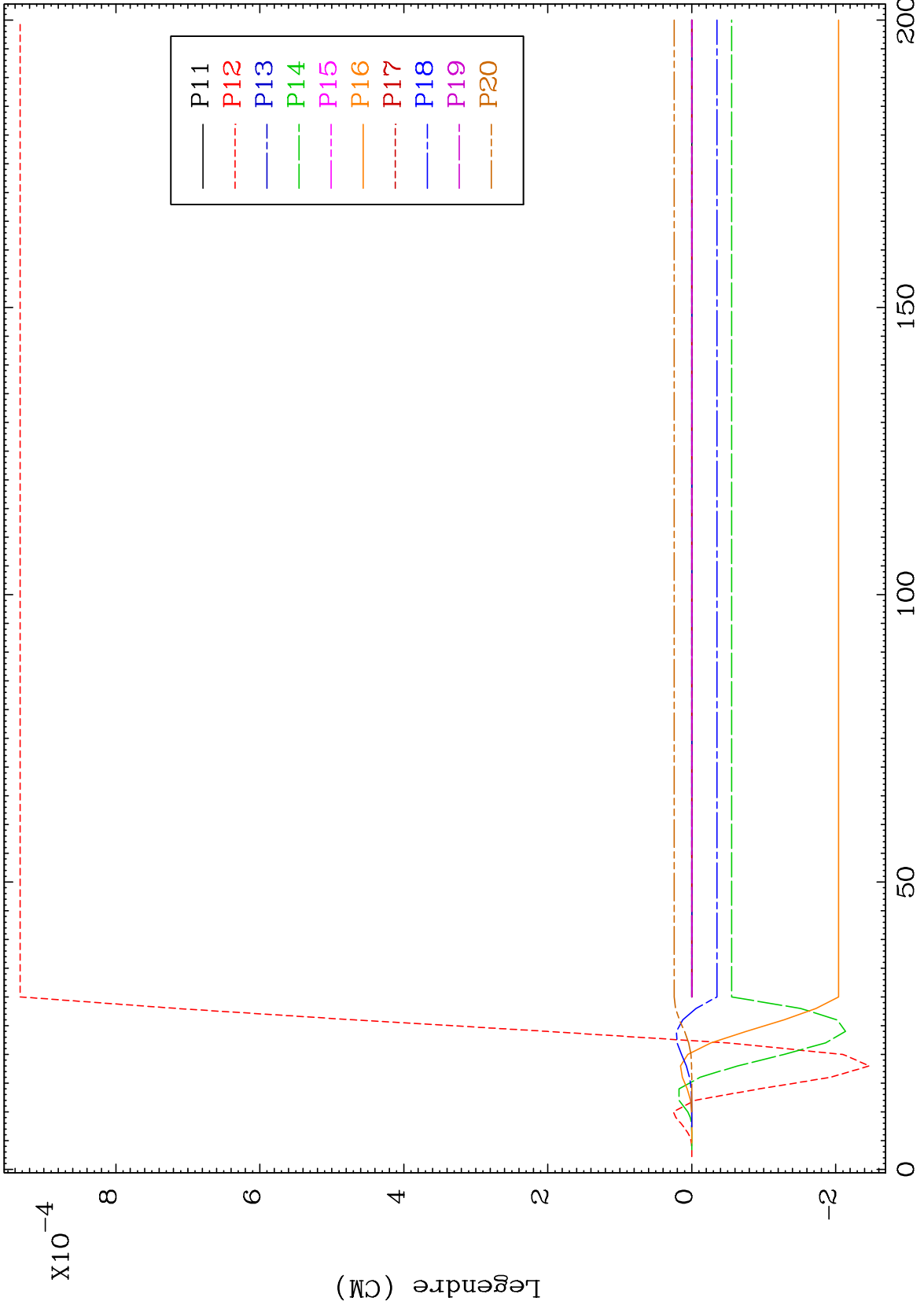
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



62

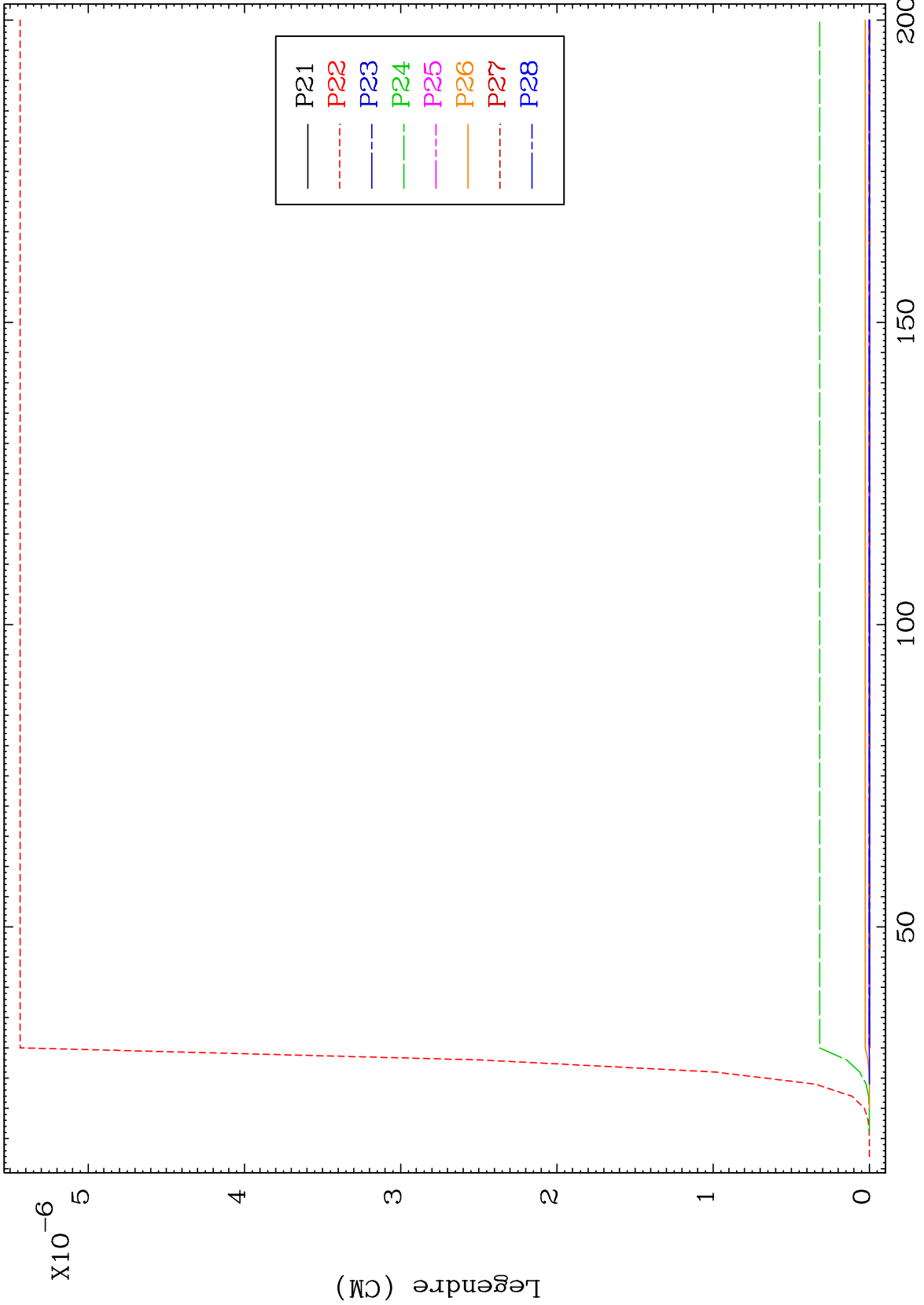
Incident Energy (MeV)

68-Er-170

MAT 6849

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

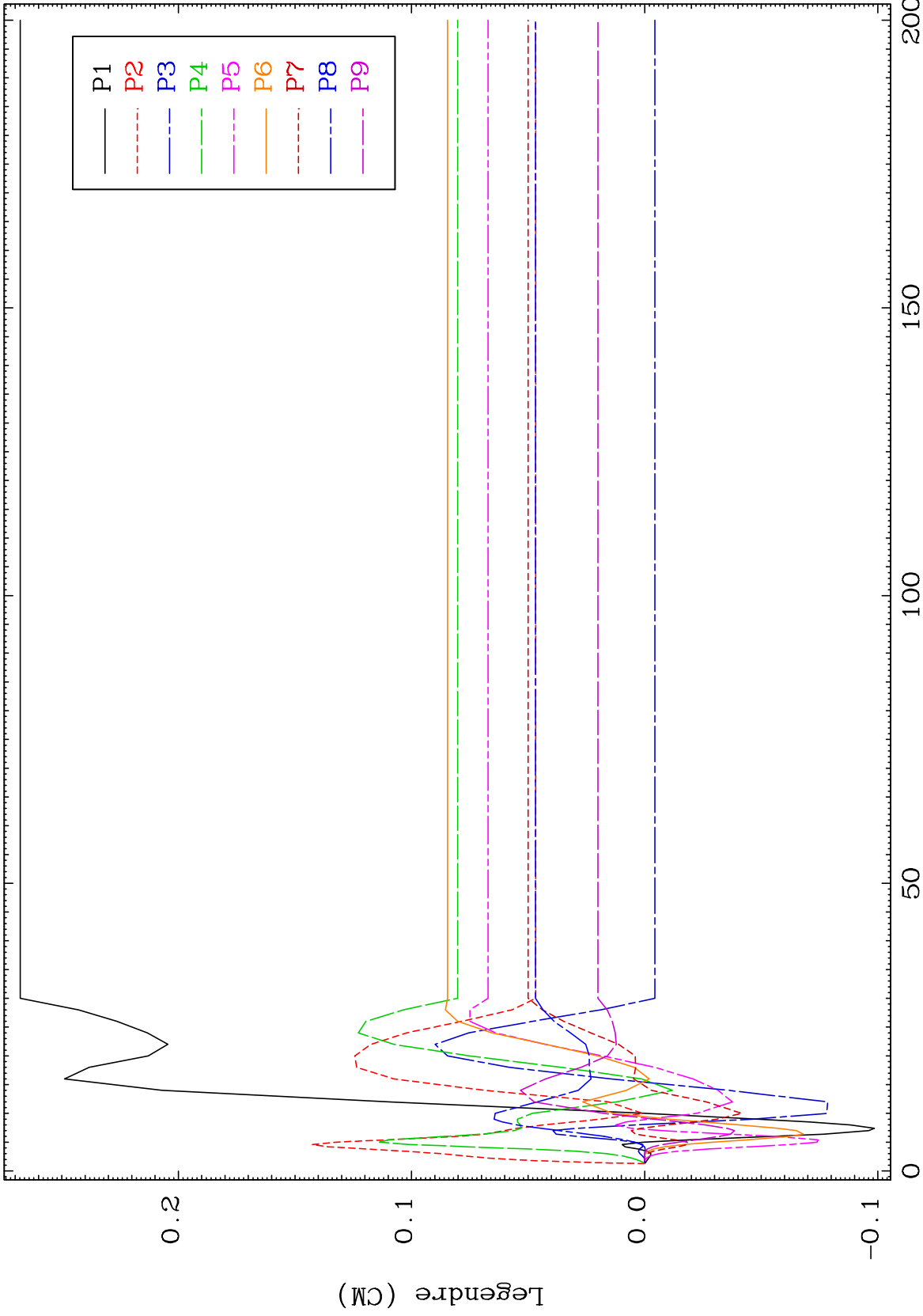
68-Er-170



MAT 6849

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

68-Er-170



64

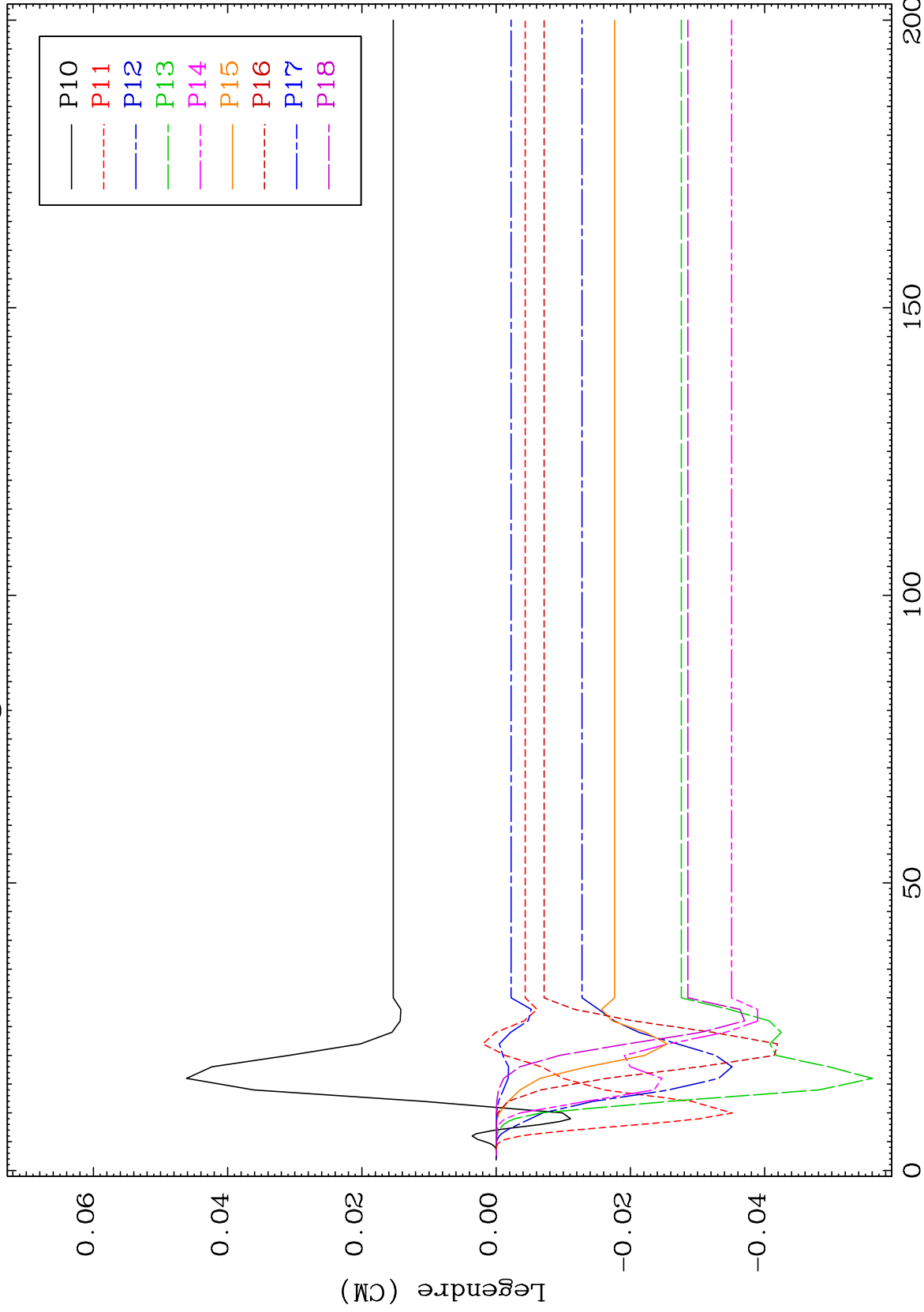
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



65

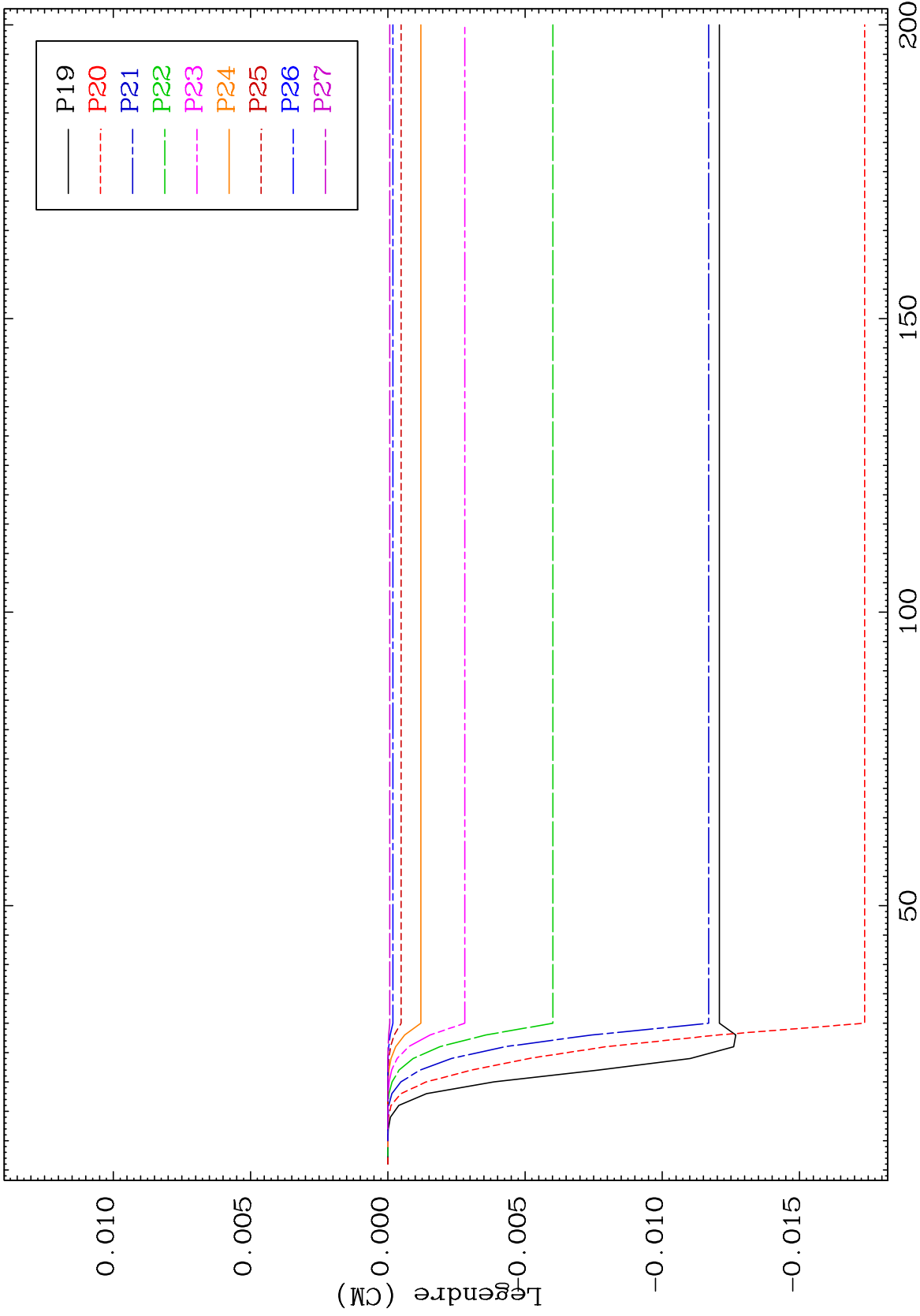
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



66

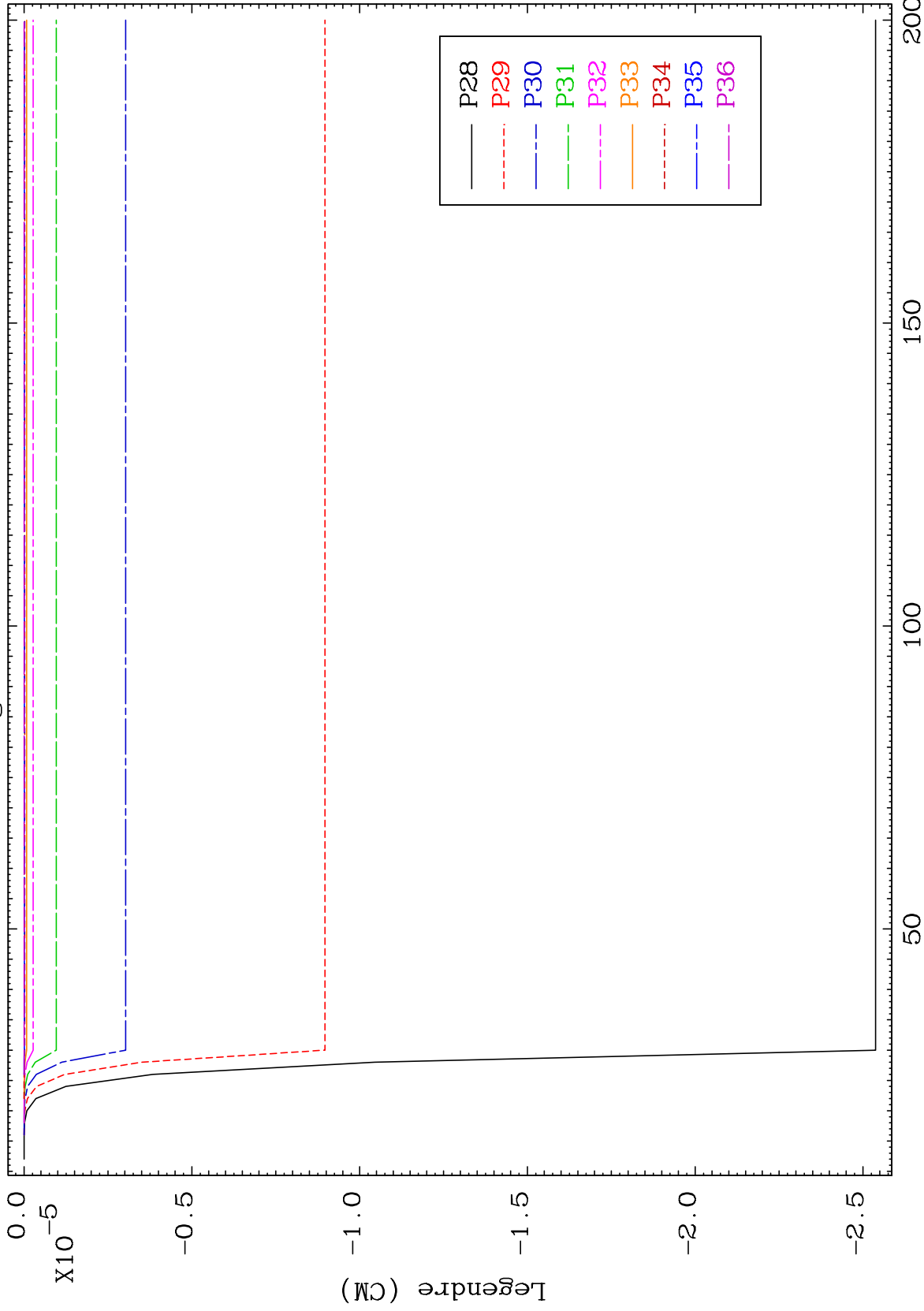
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



67

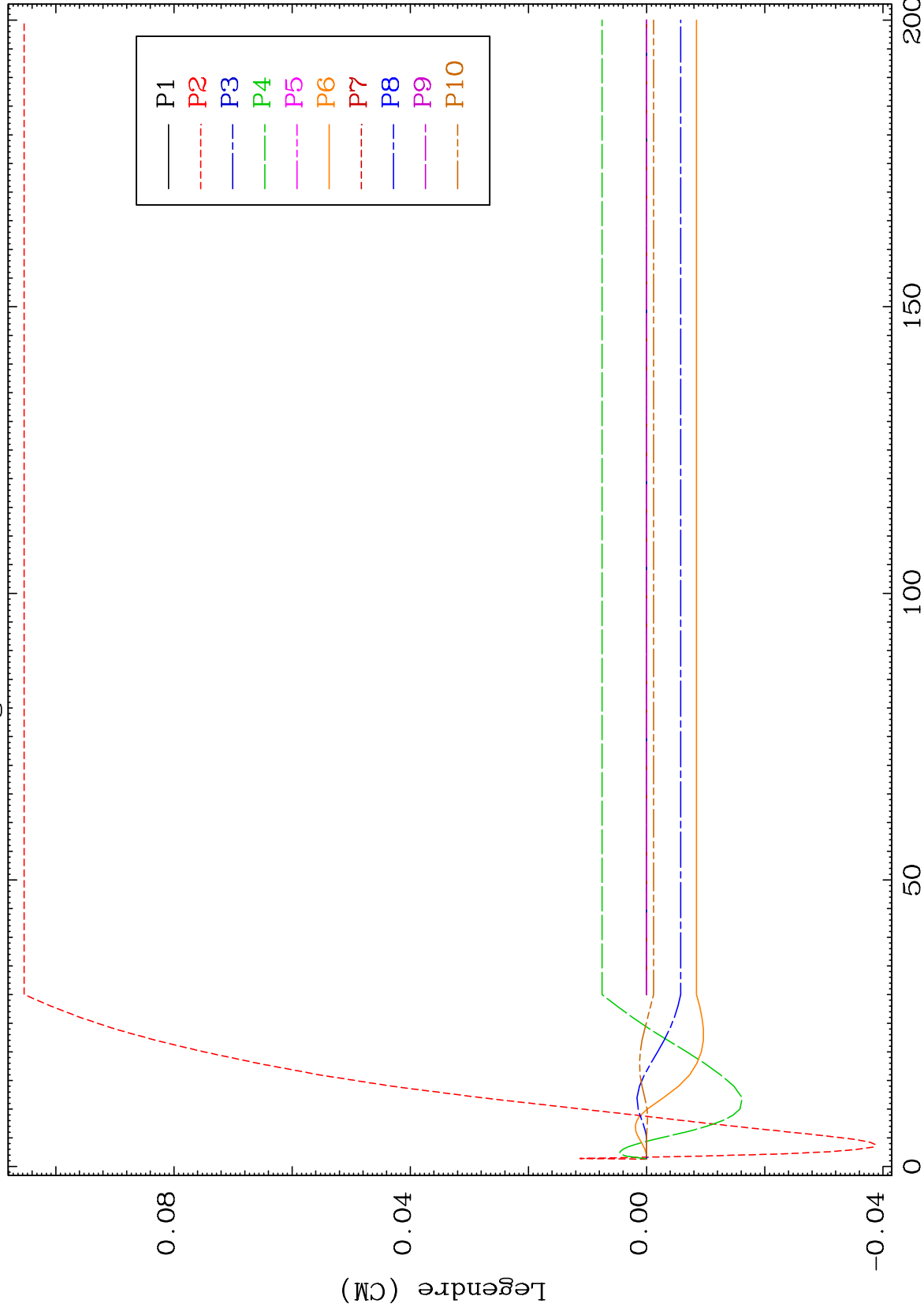
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



68

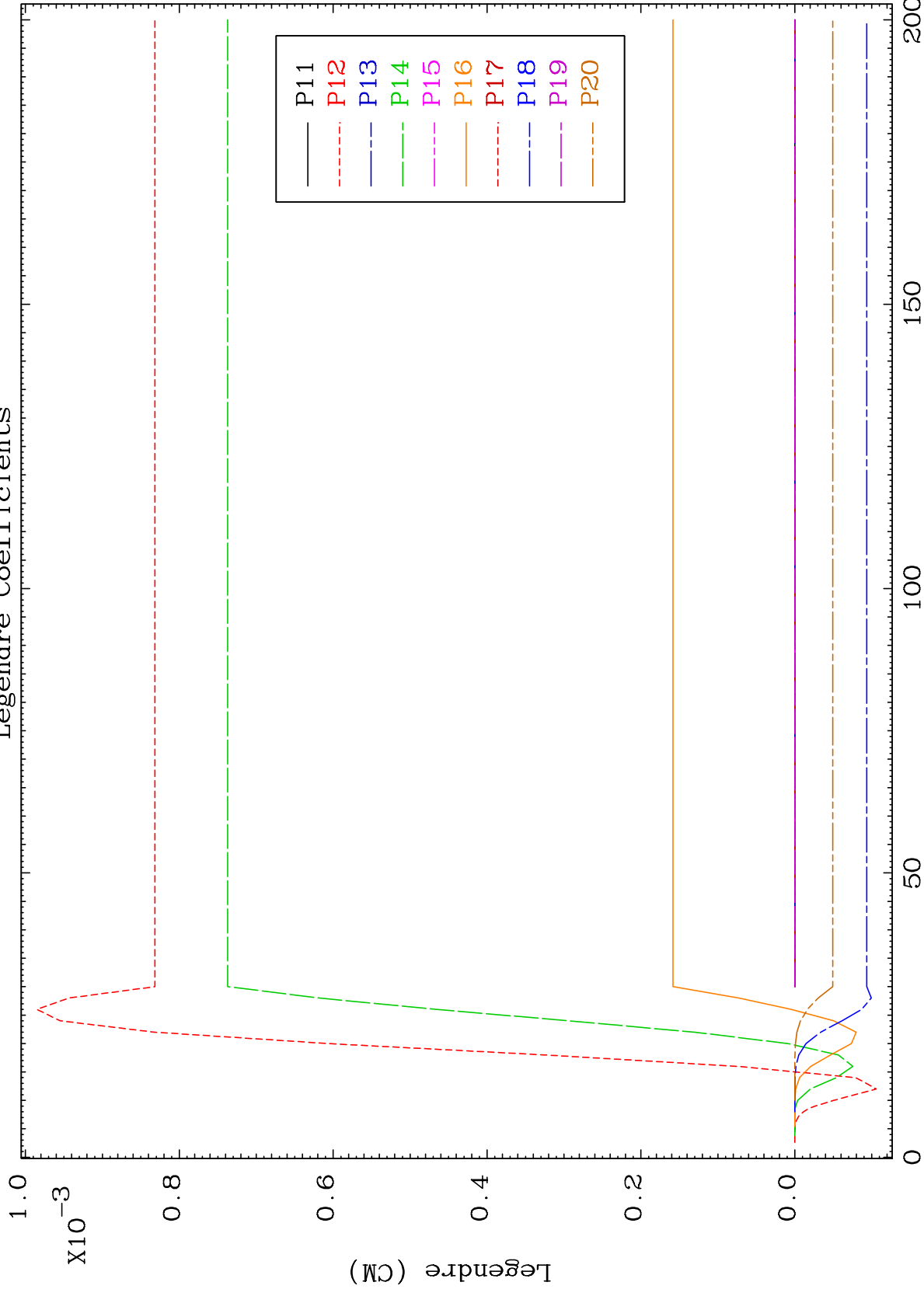
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



69

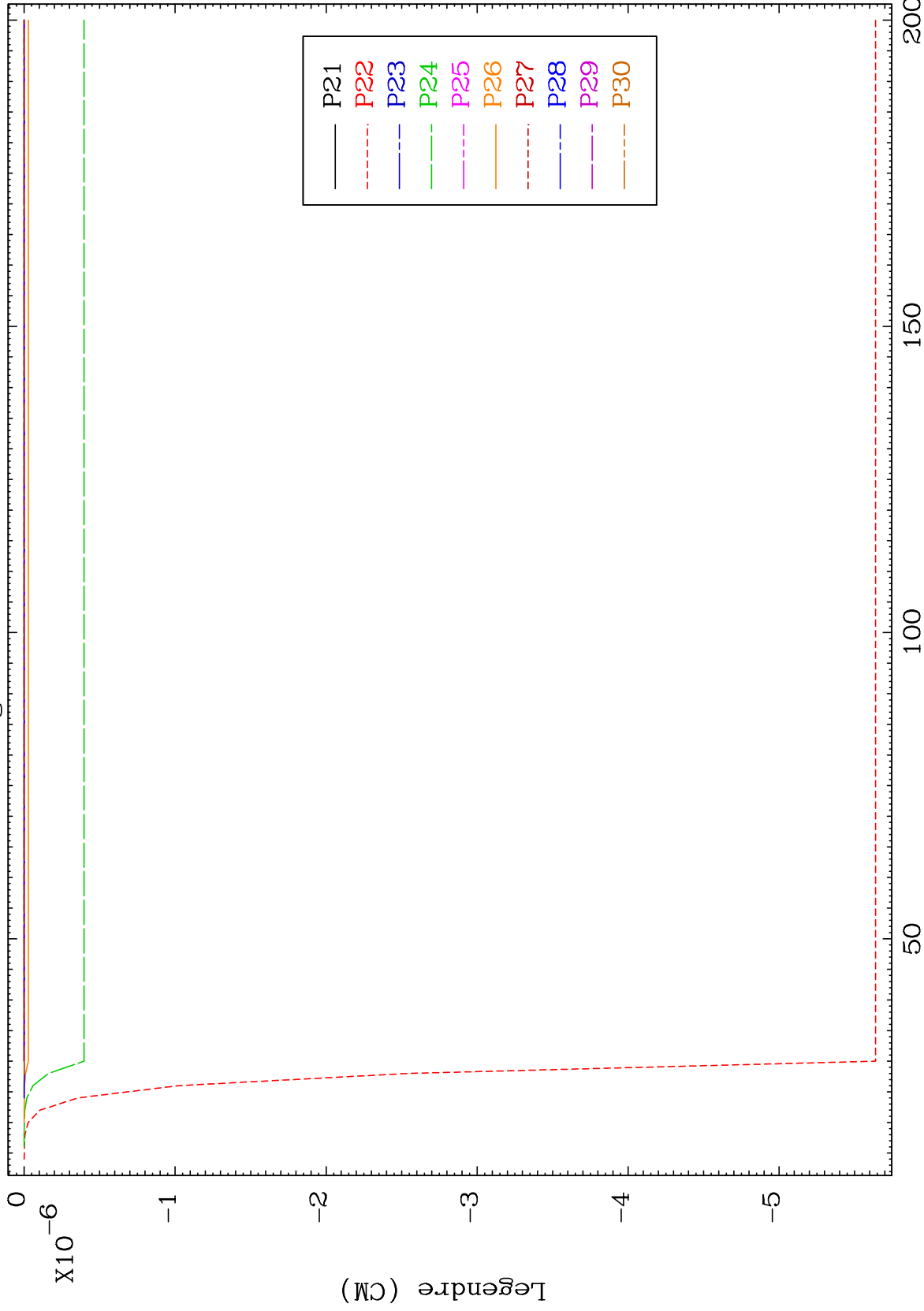
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



70

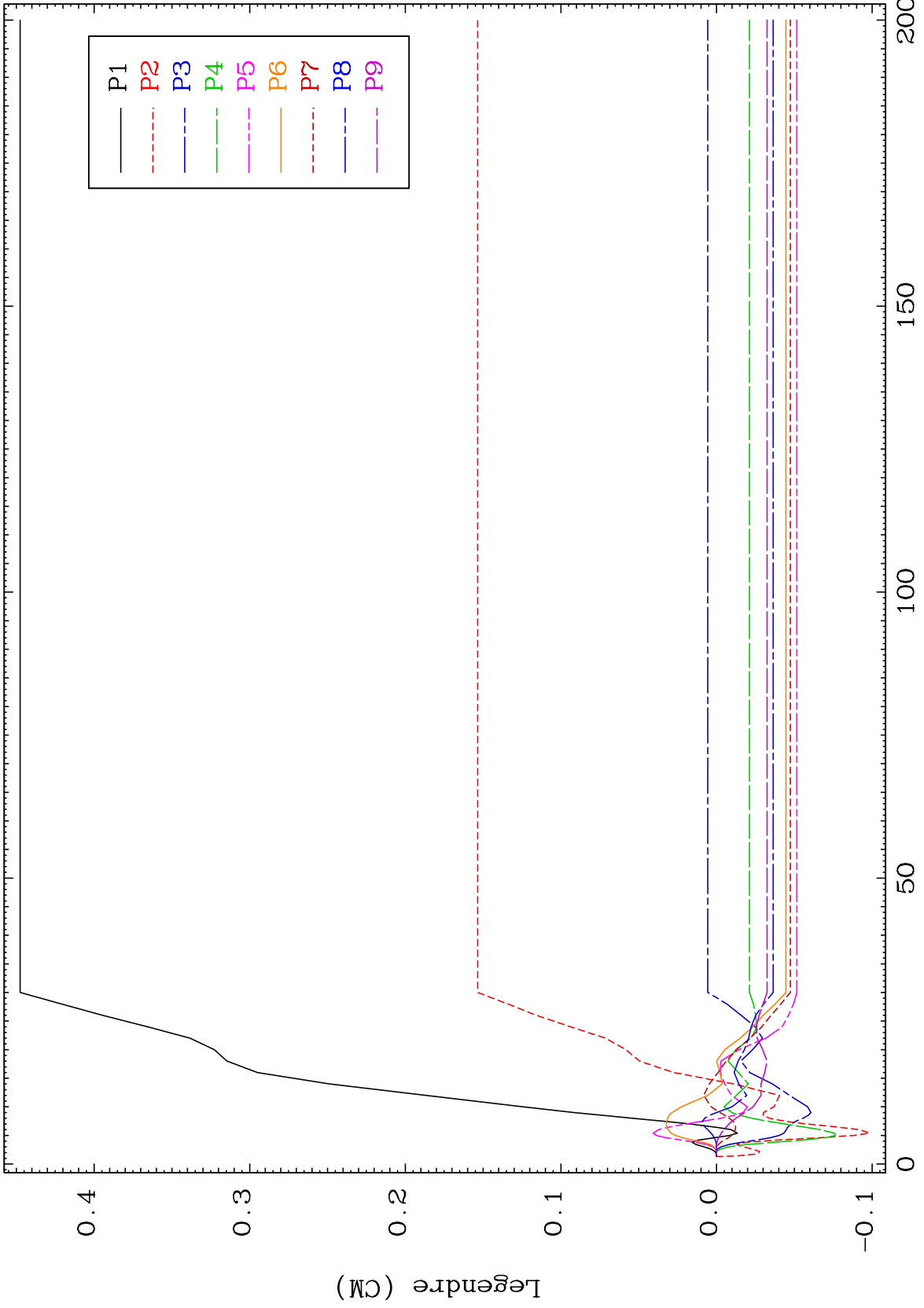
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



71

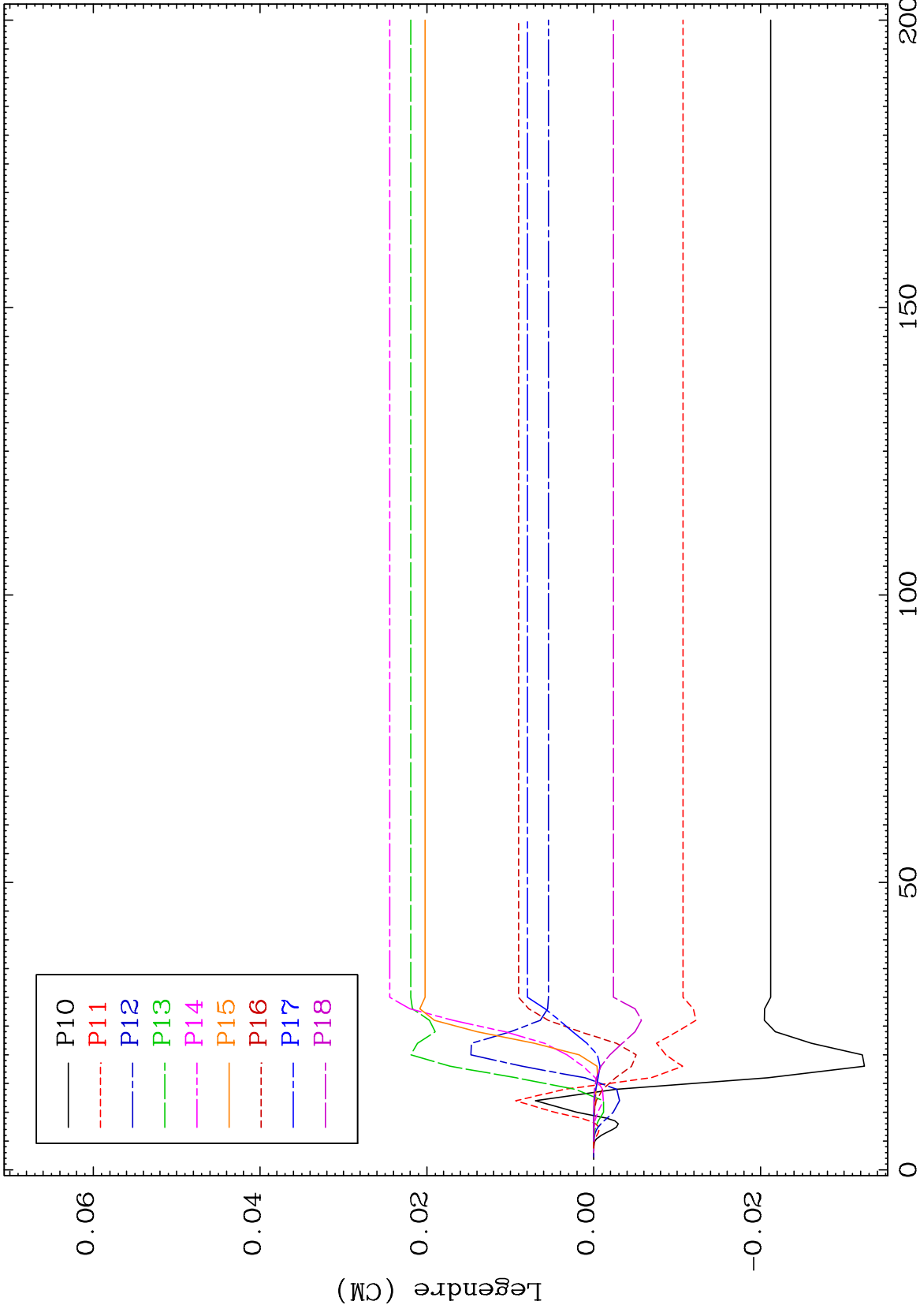
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



72

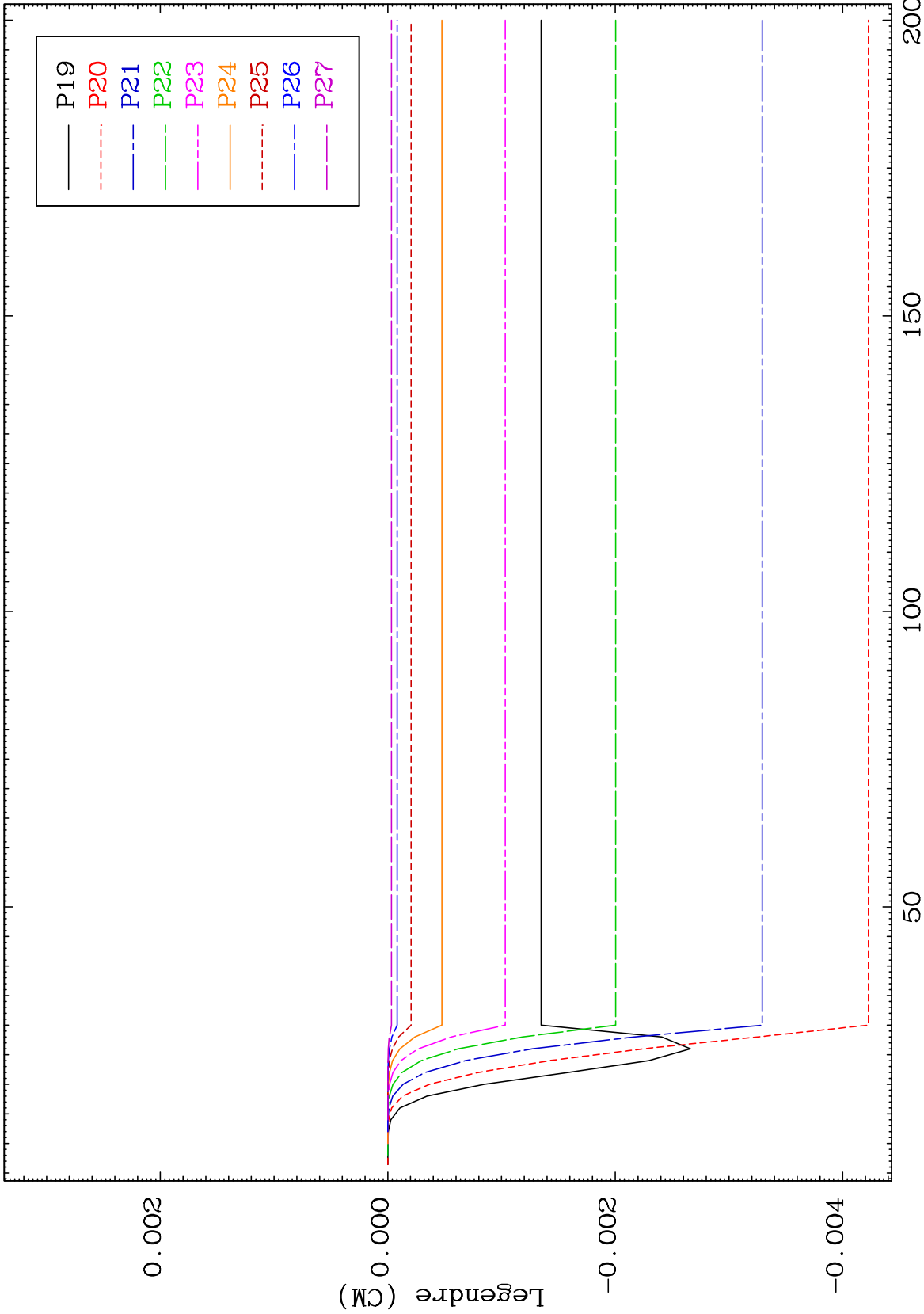
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



73

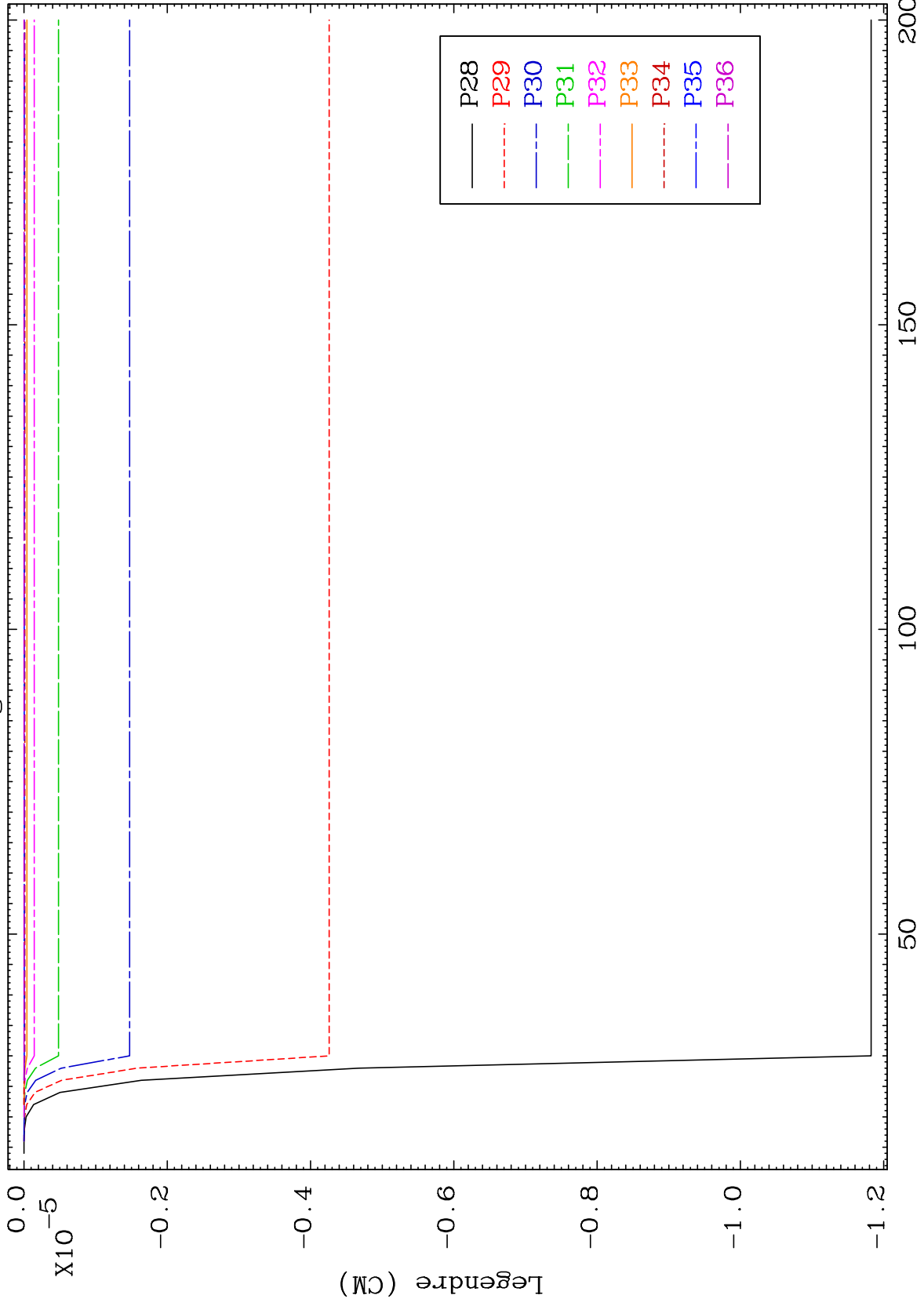
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



68-Er-170

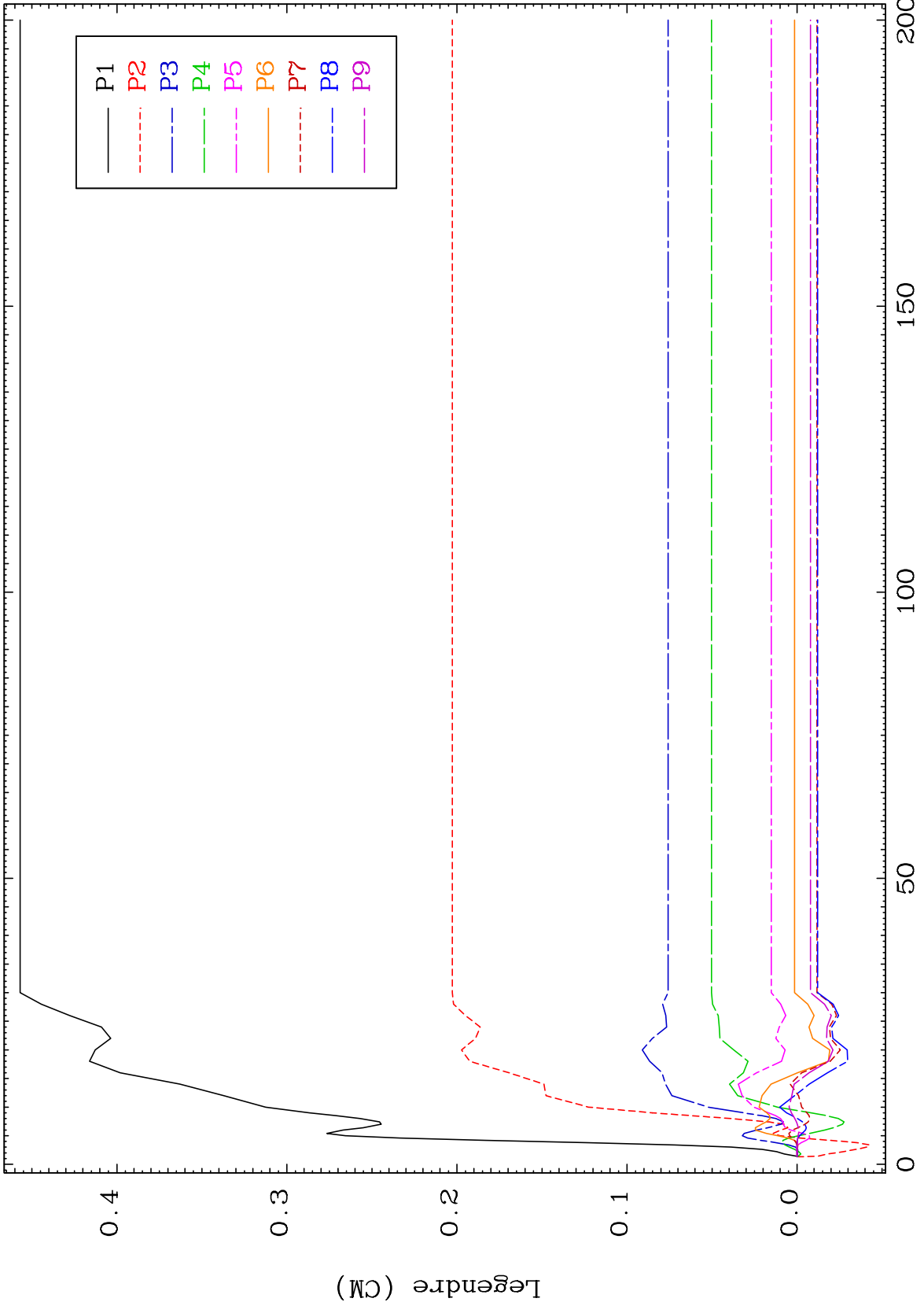
Incident Energy (MeV)

74

MAT 6849

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

68-Er-170



75

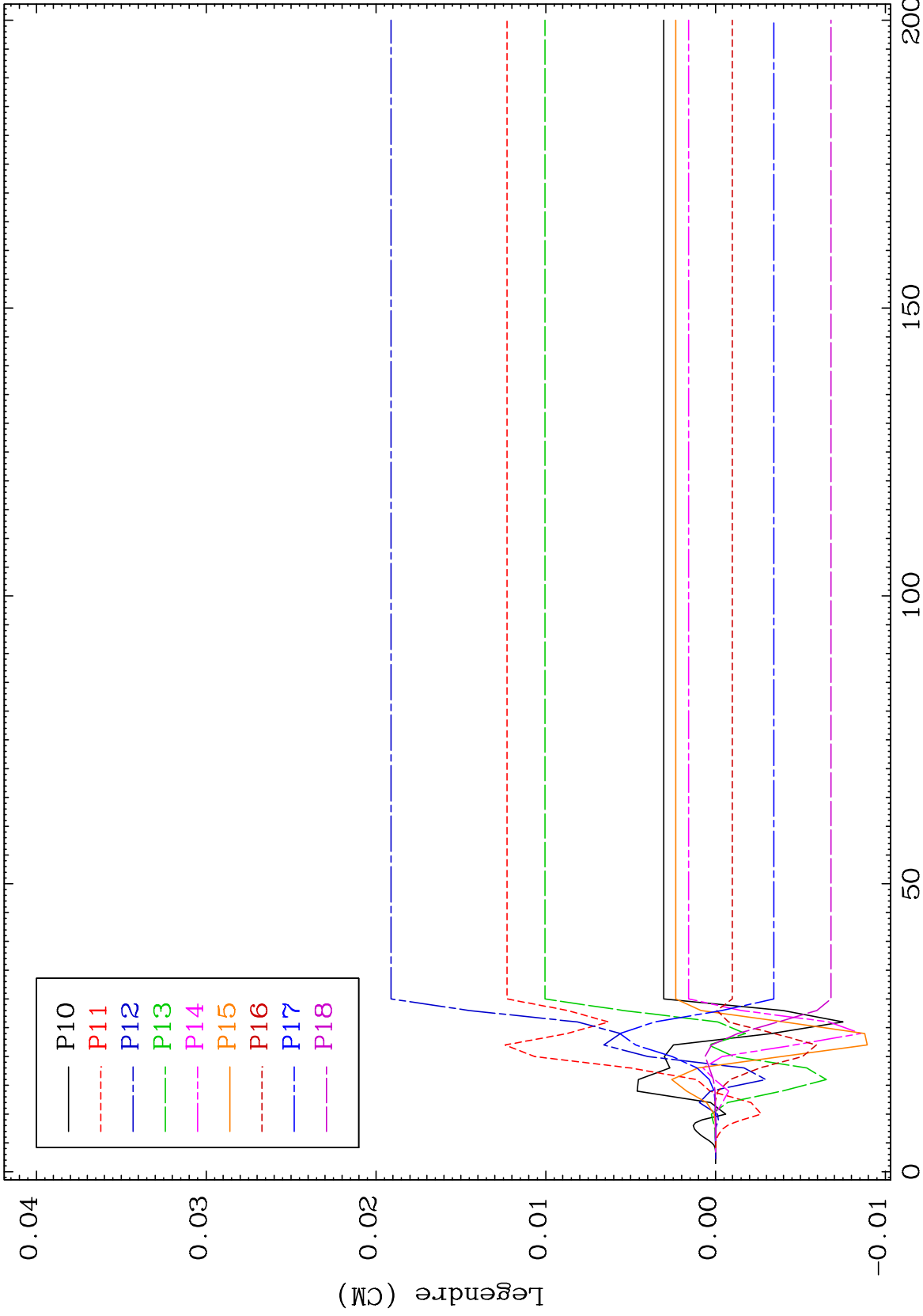
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



76

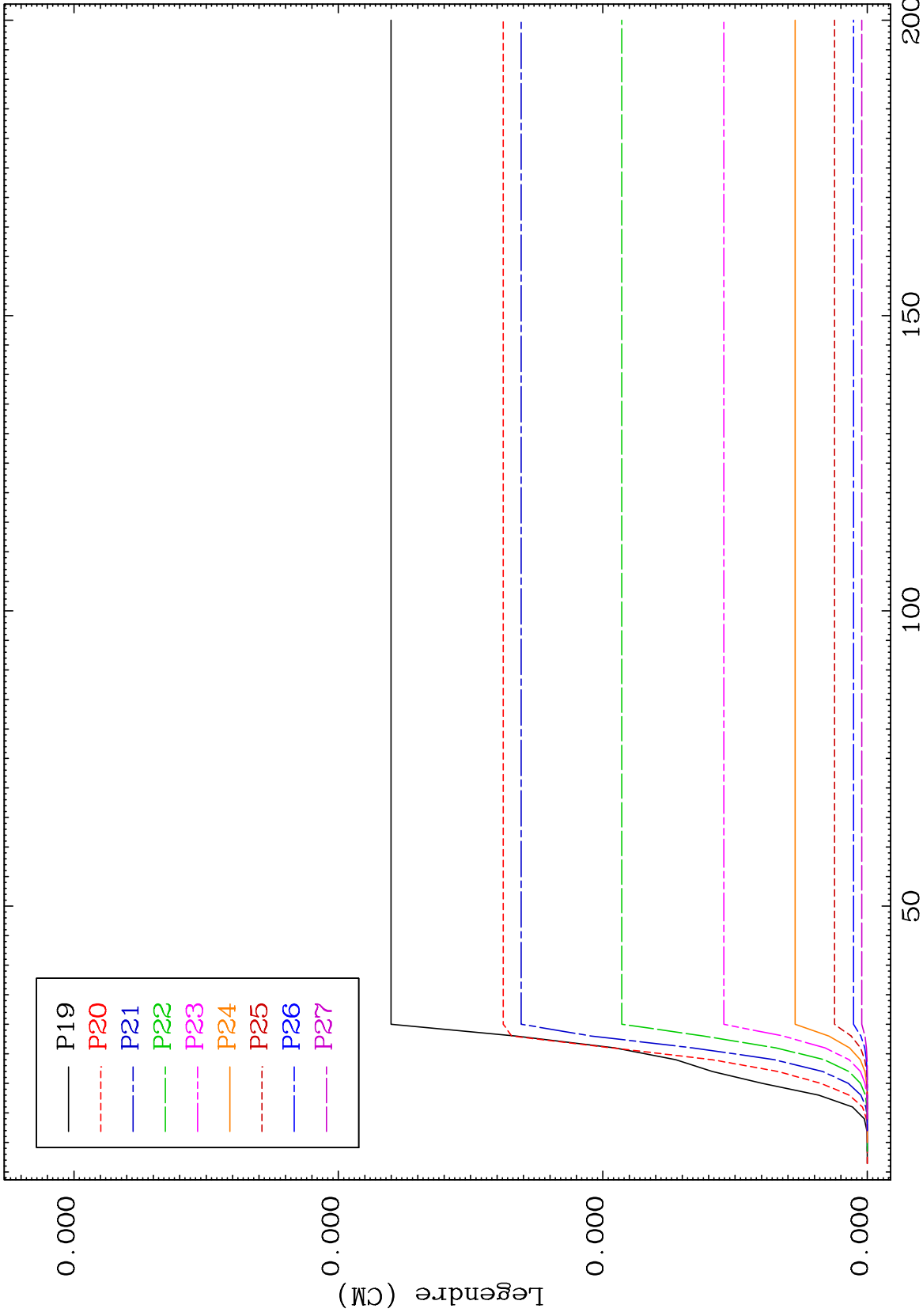
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



77

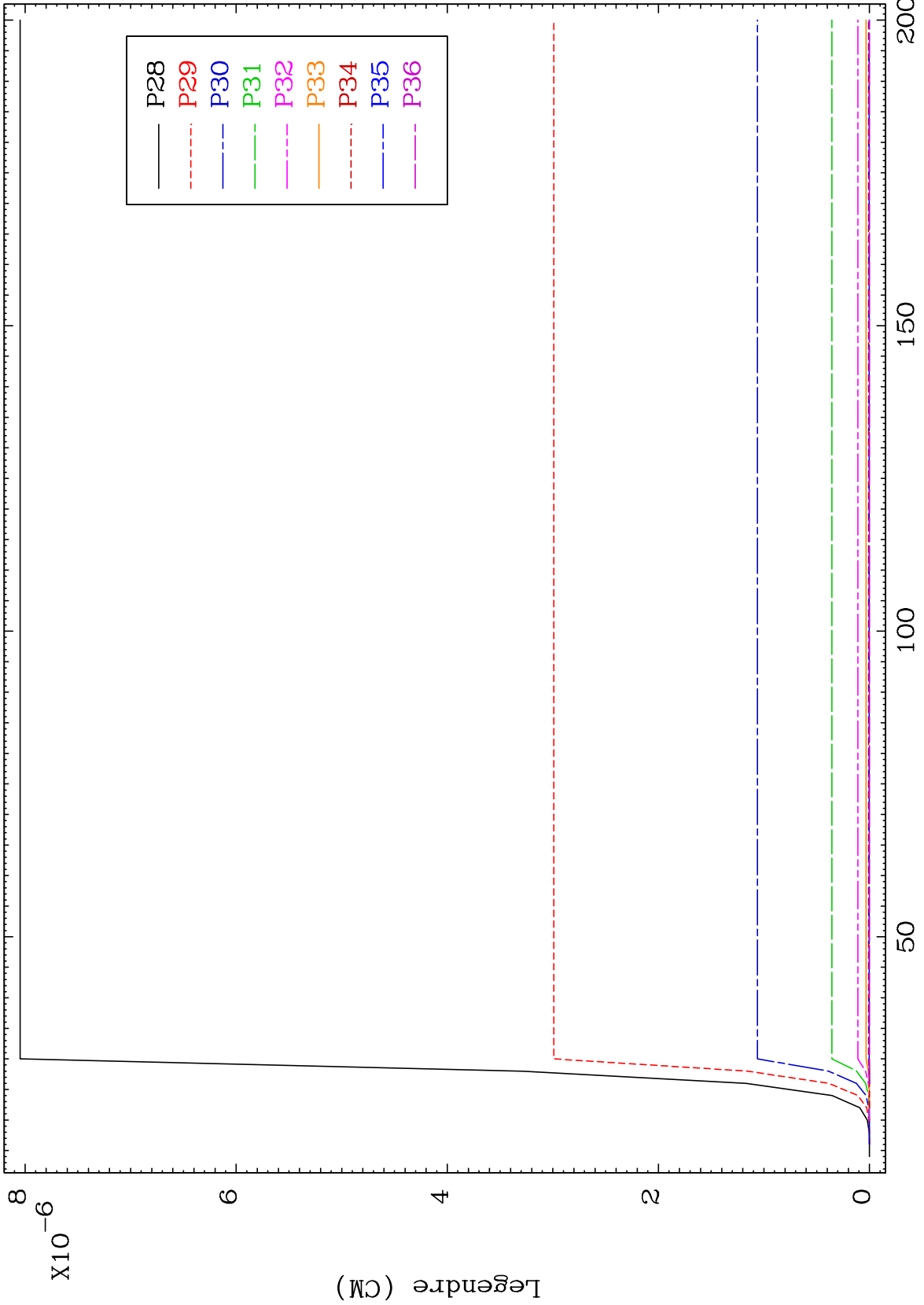
Incident Energy (MeV)

68-Er-170

MAT 6849

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

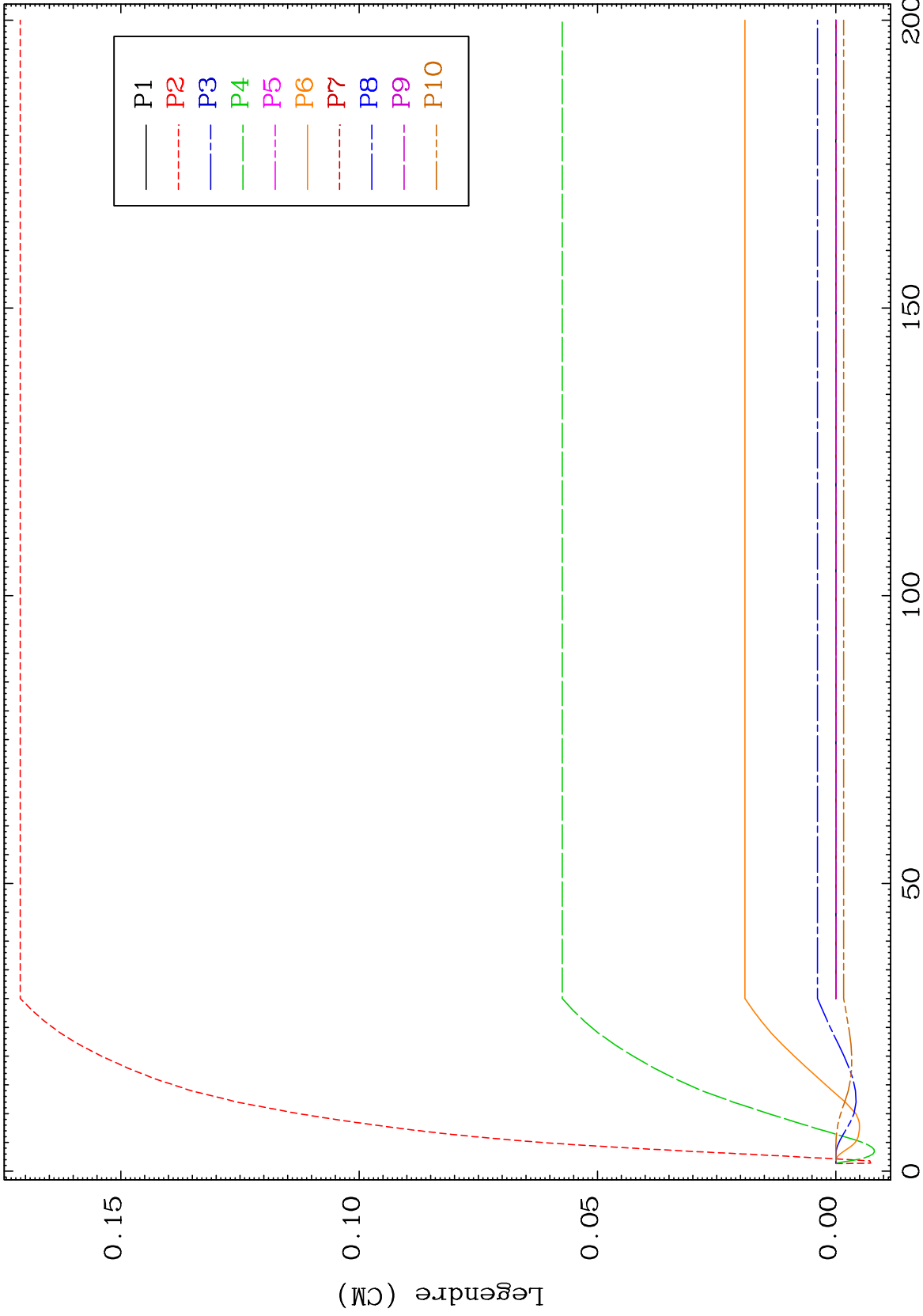
68-Er-170



MAT 6849

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

68-Er-170



79

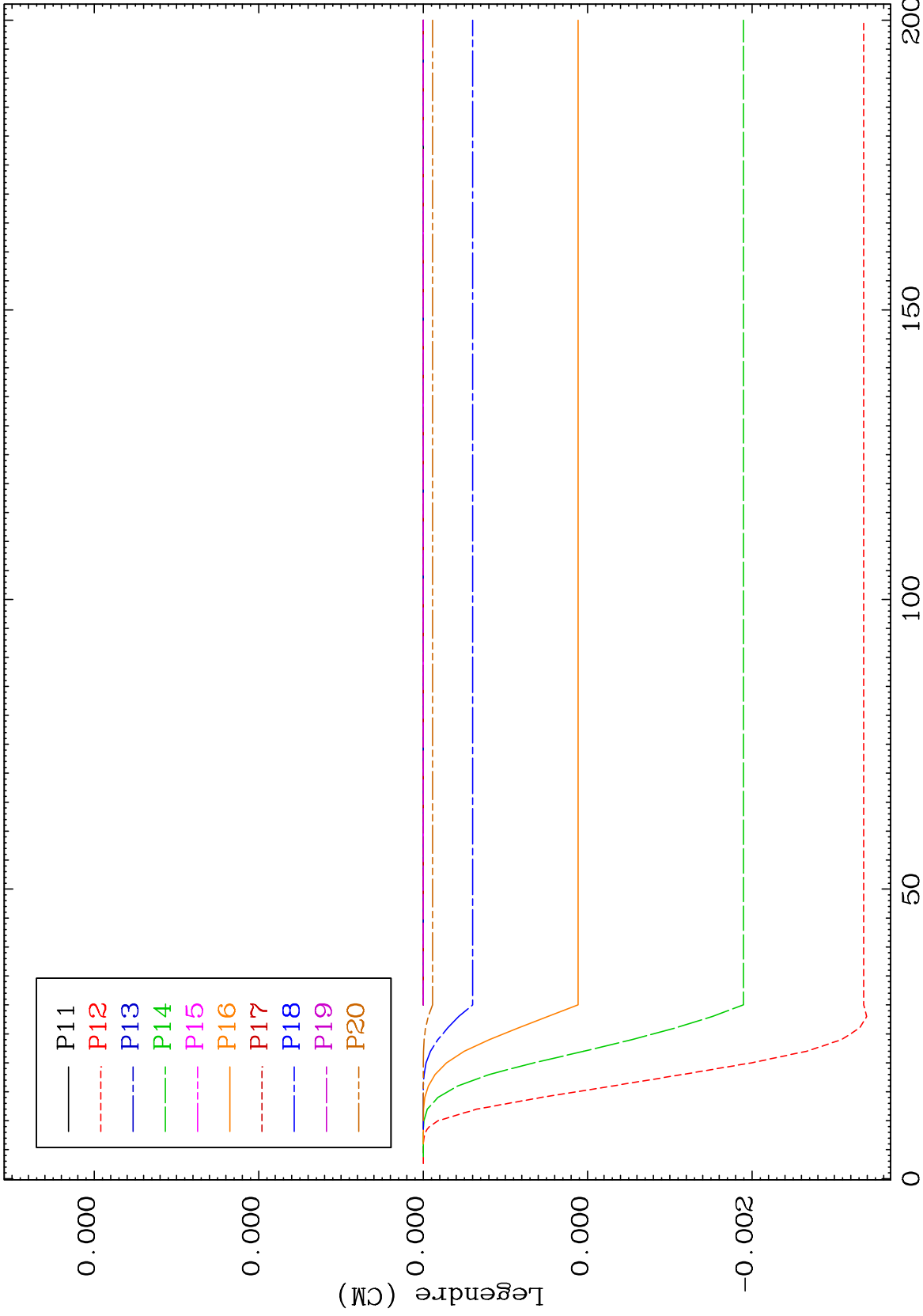
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



80

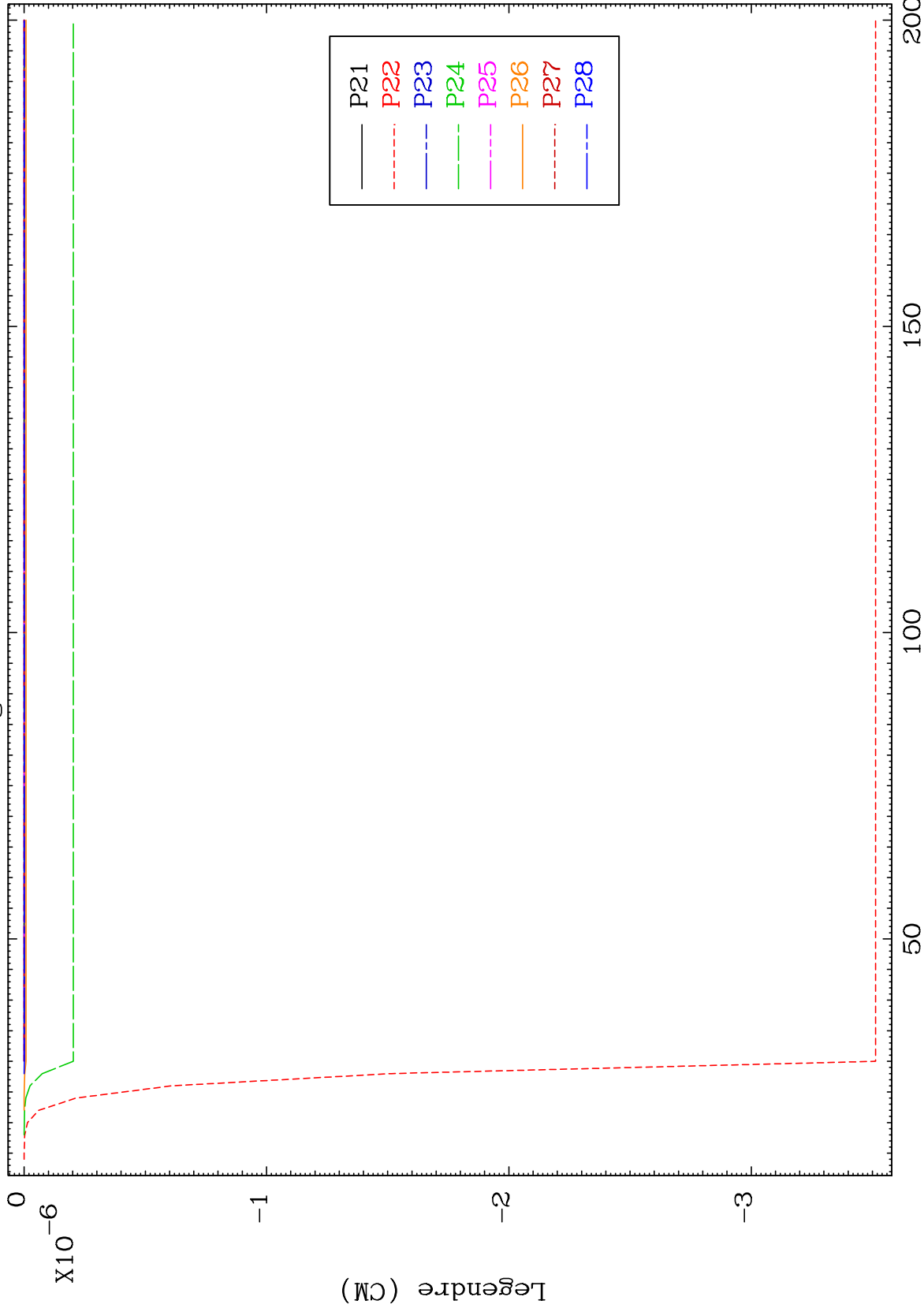
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



81

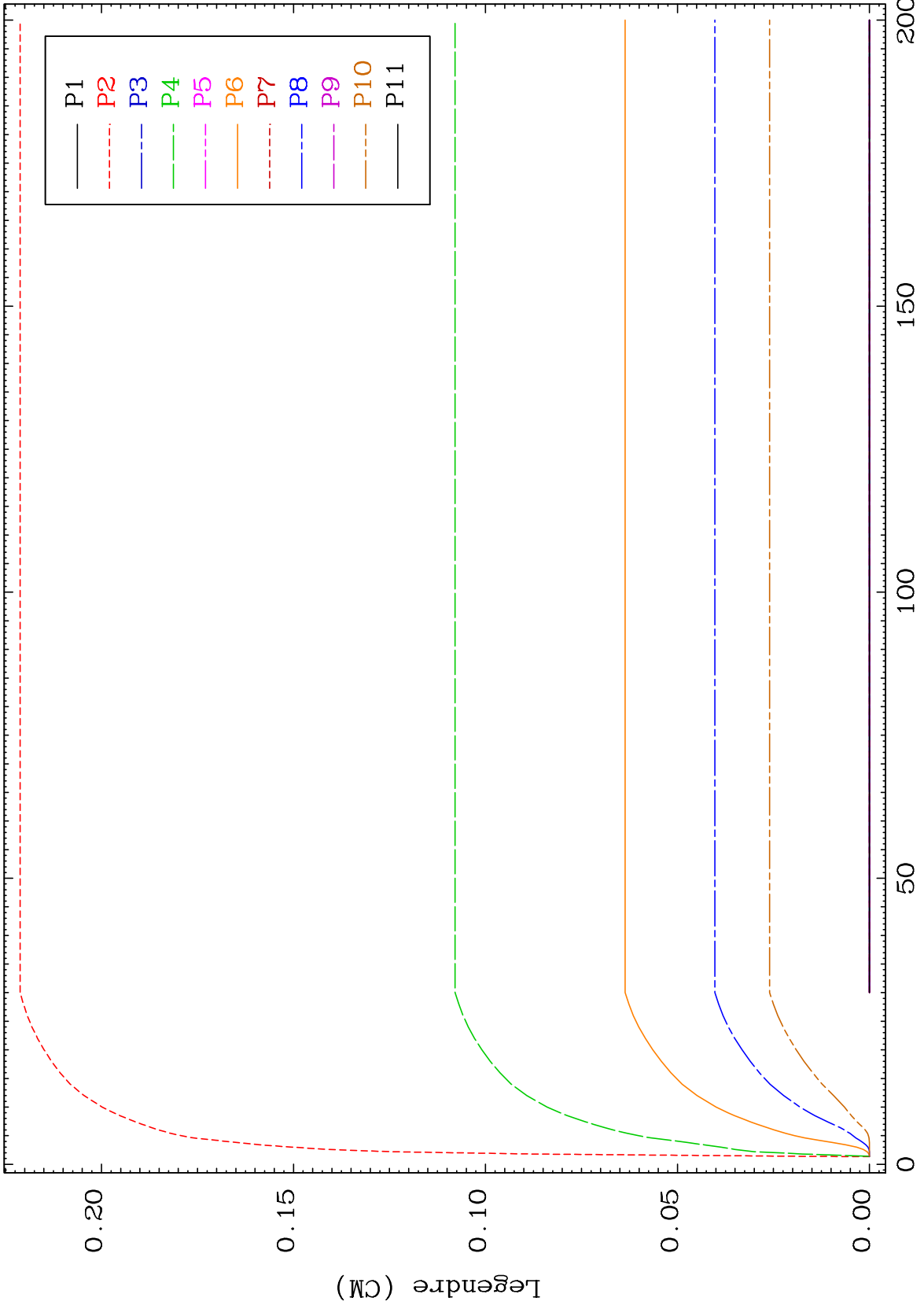
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



82

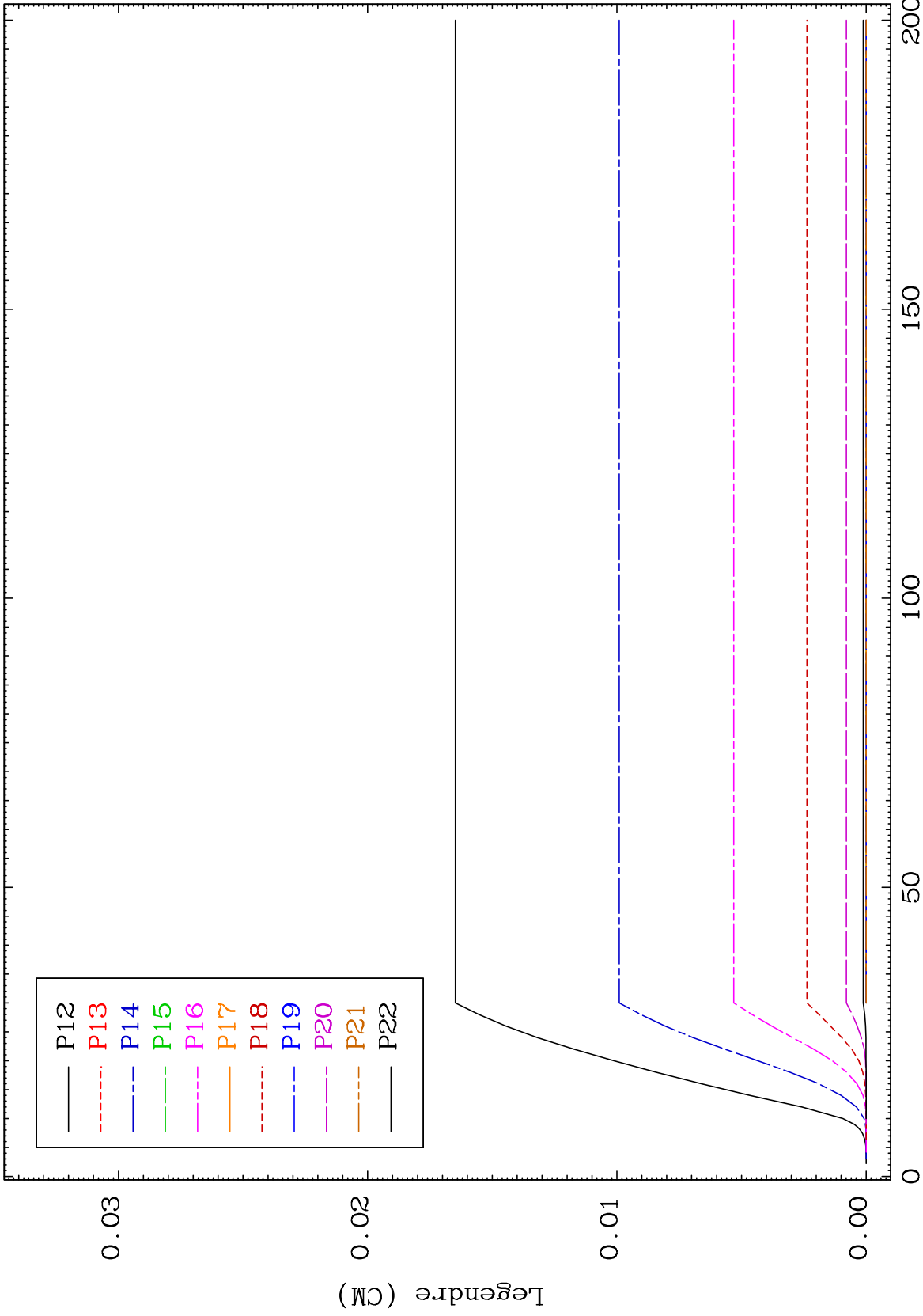
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170

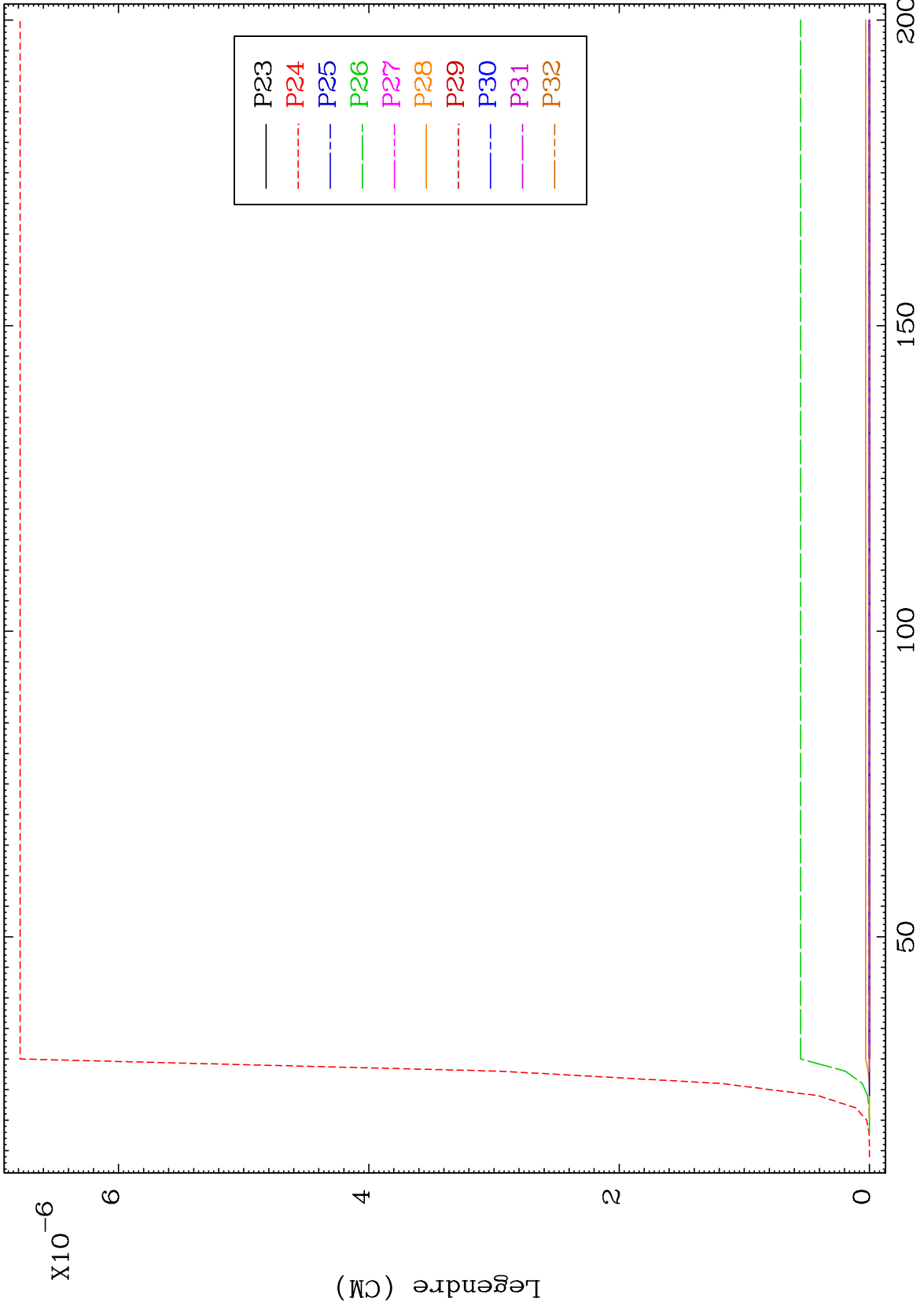


83

Incident Energy (MeV)

68-Er-170

MAT 6849 MT= 68 (n, n') Level Legendre Coefficients 68-Er-170

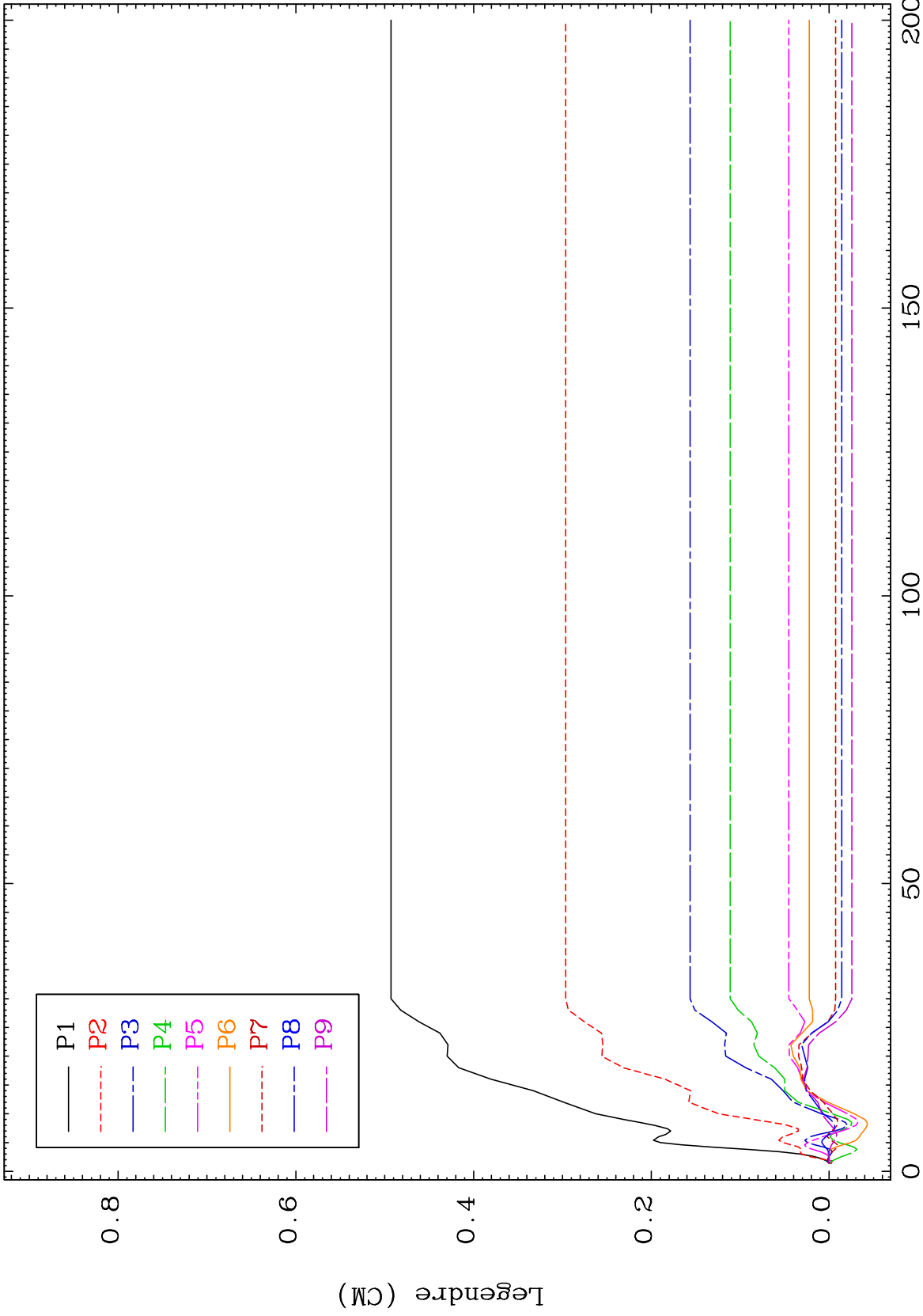


84 68-Er-170

MAT 6849

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

68-Er-170



85

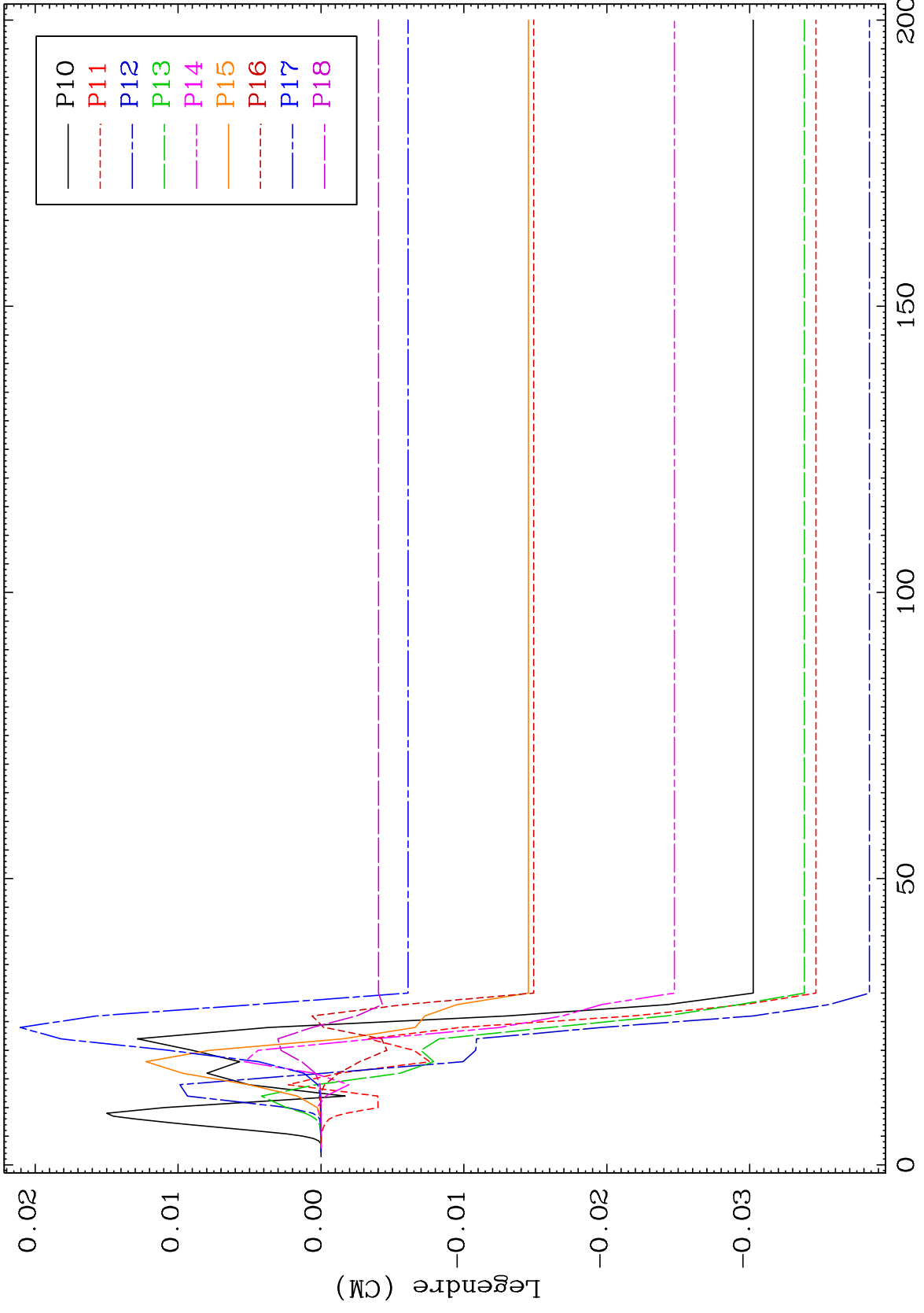
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



86

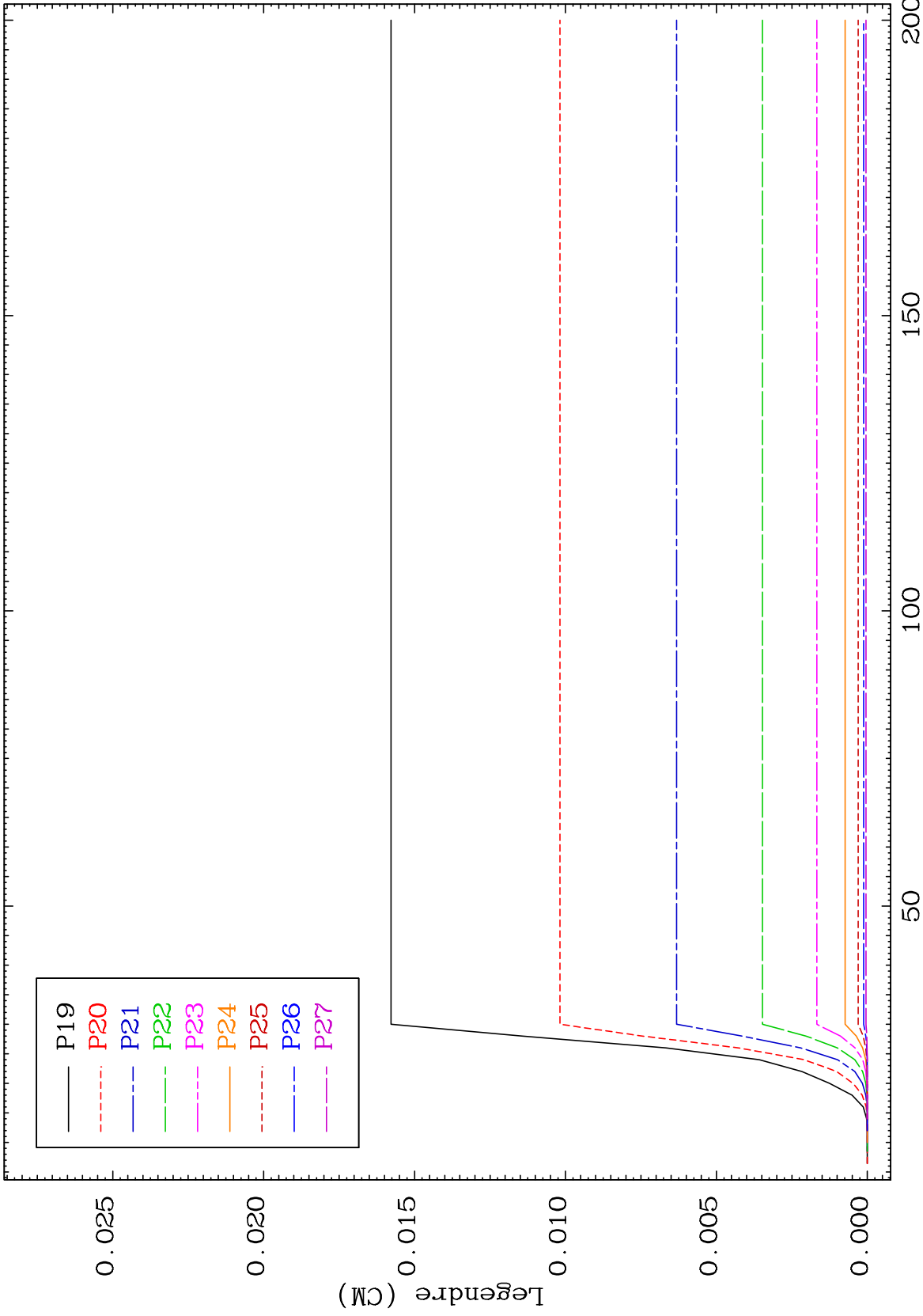
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



87

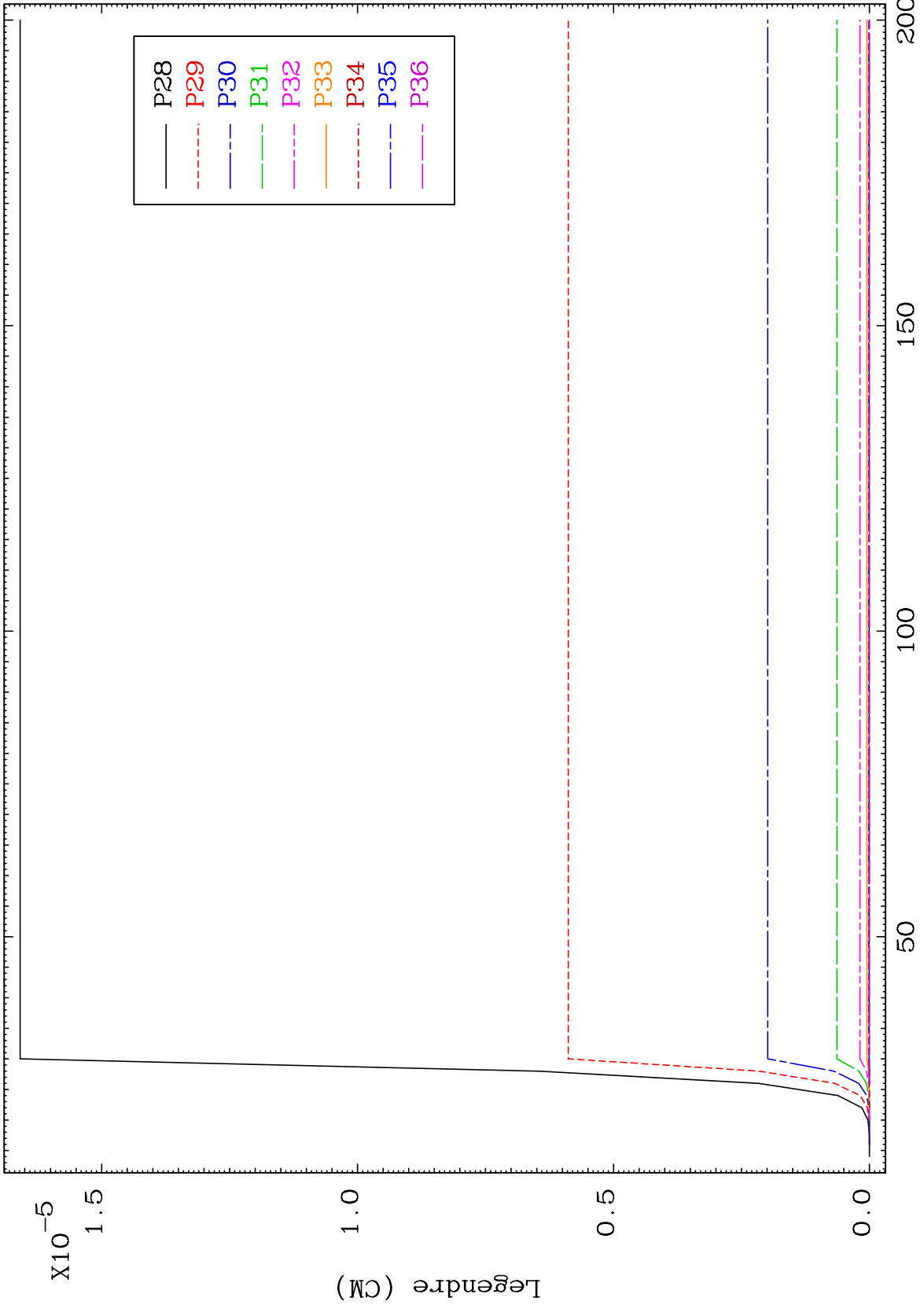
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



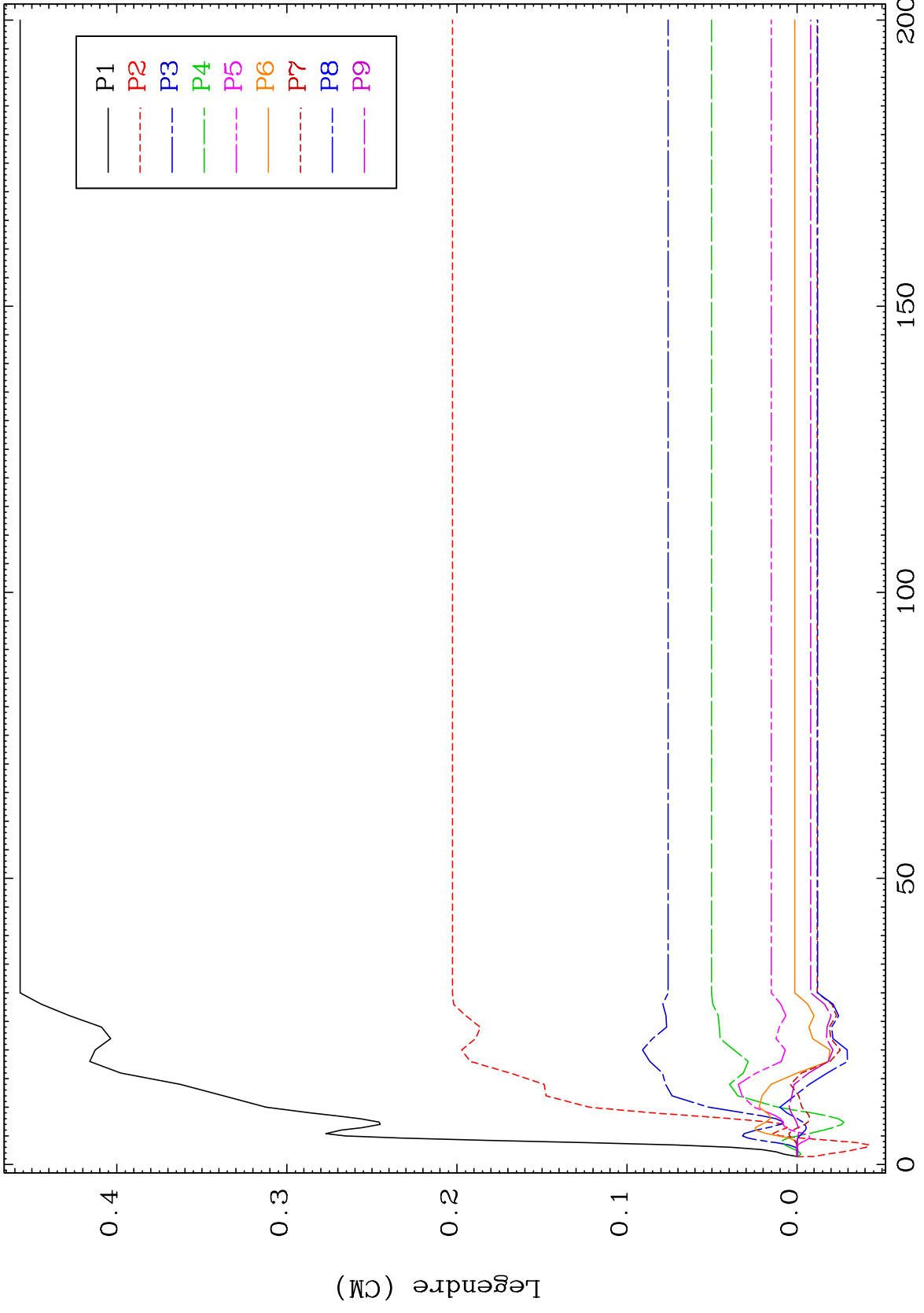
88

68-Er-170

MAT 6849

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

68-Er-170



89

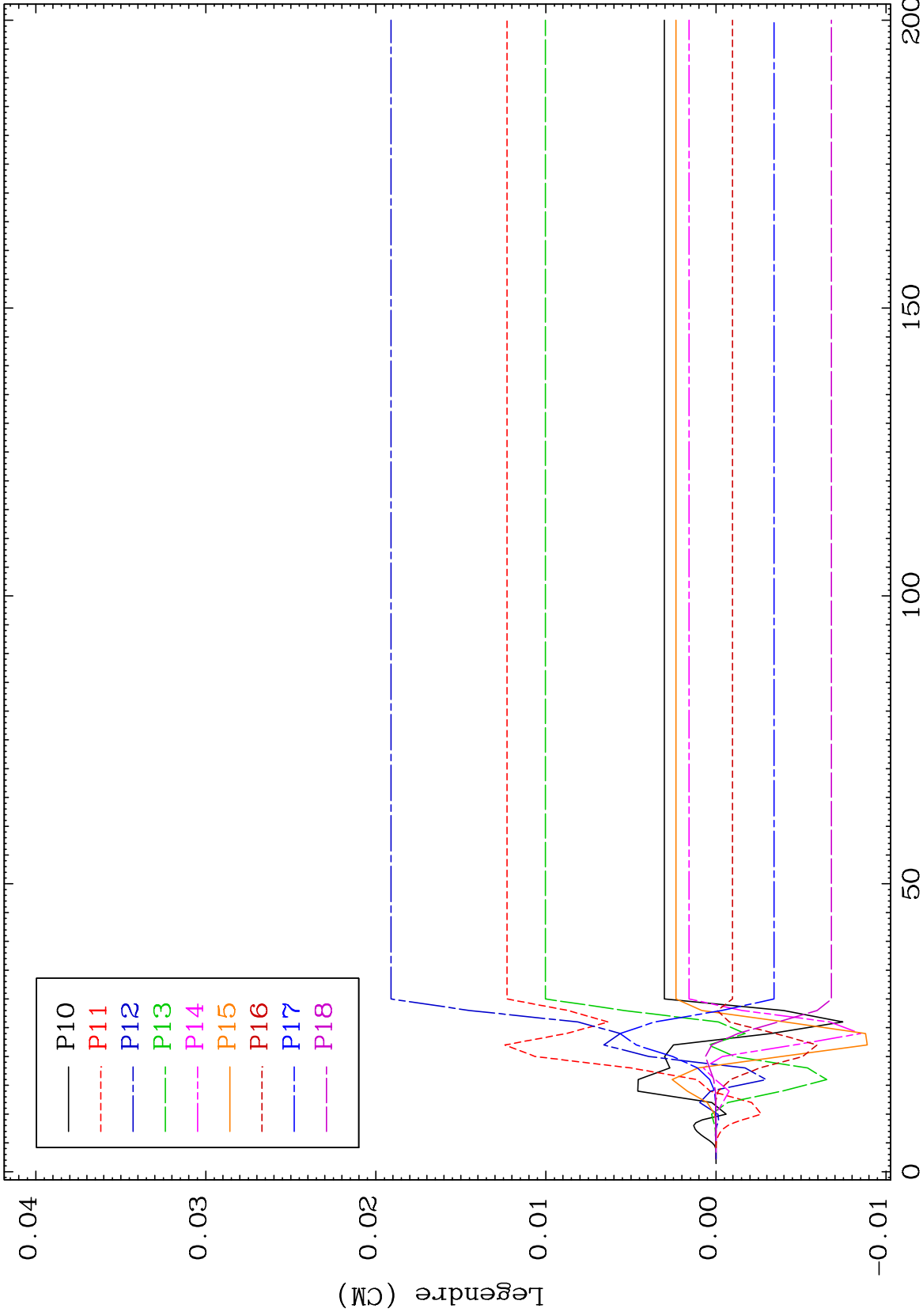
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



90

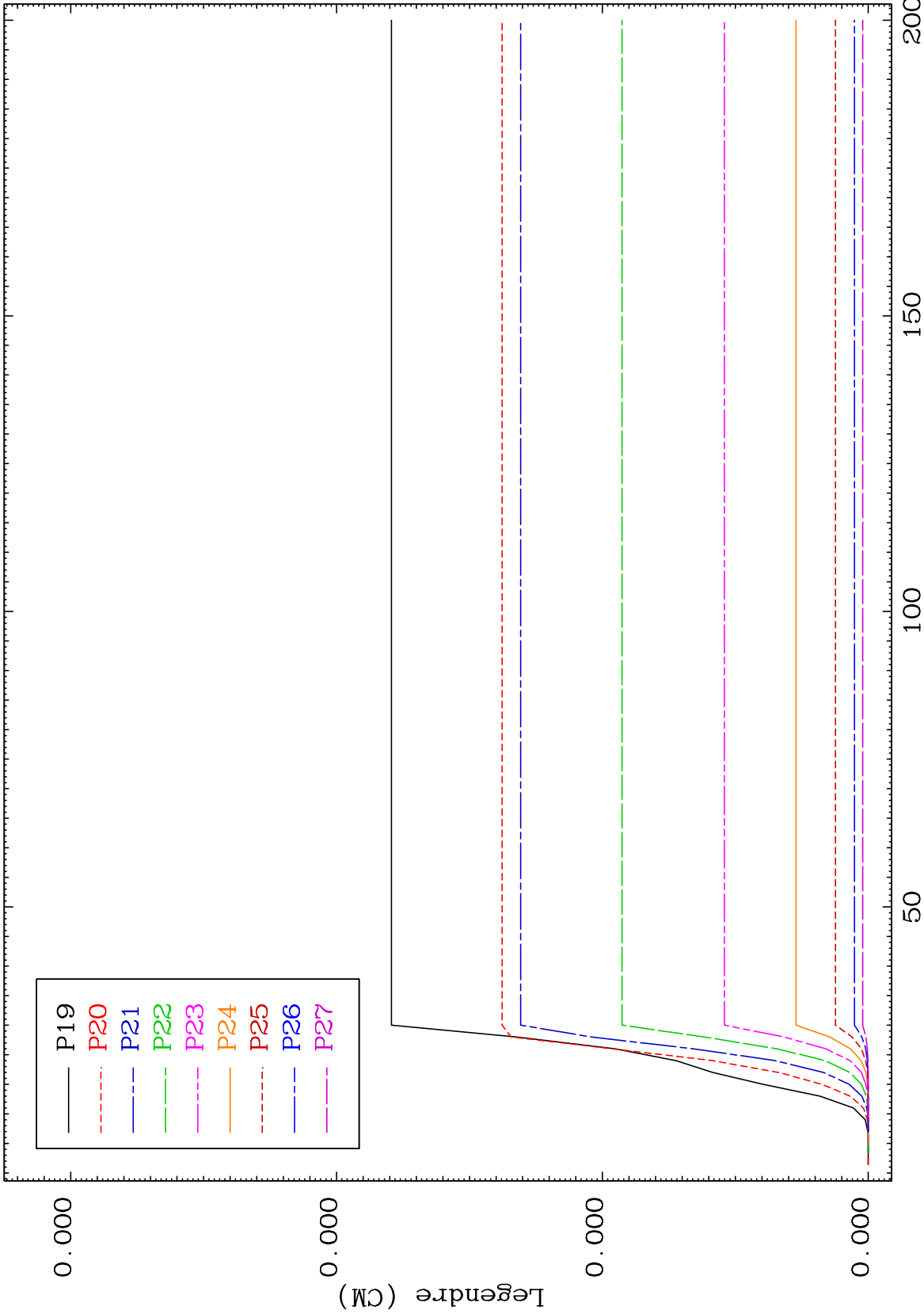
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



91

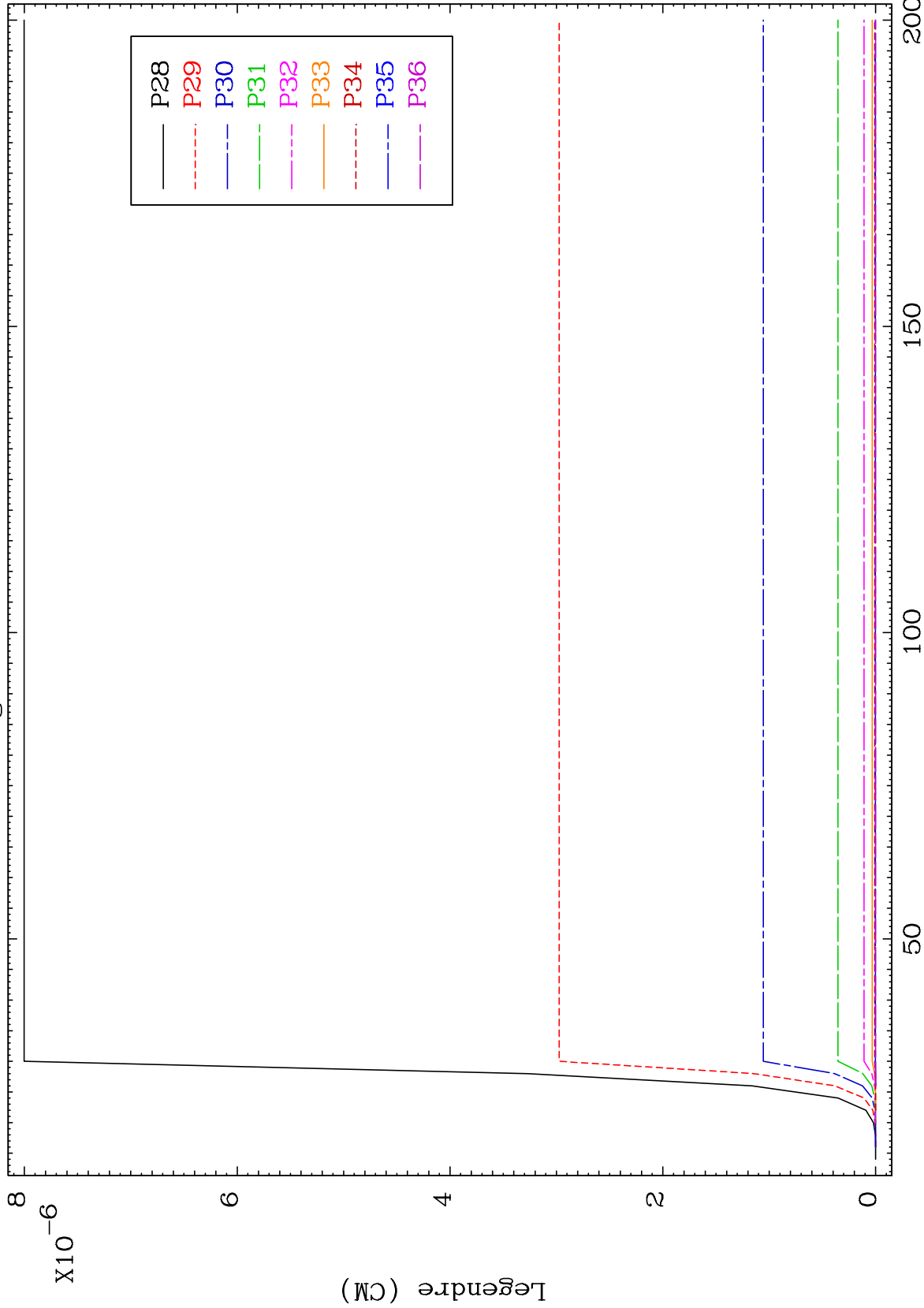
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



92

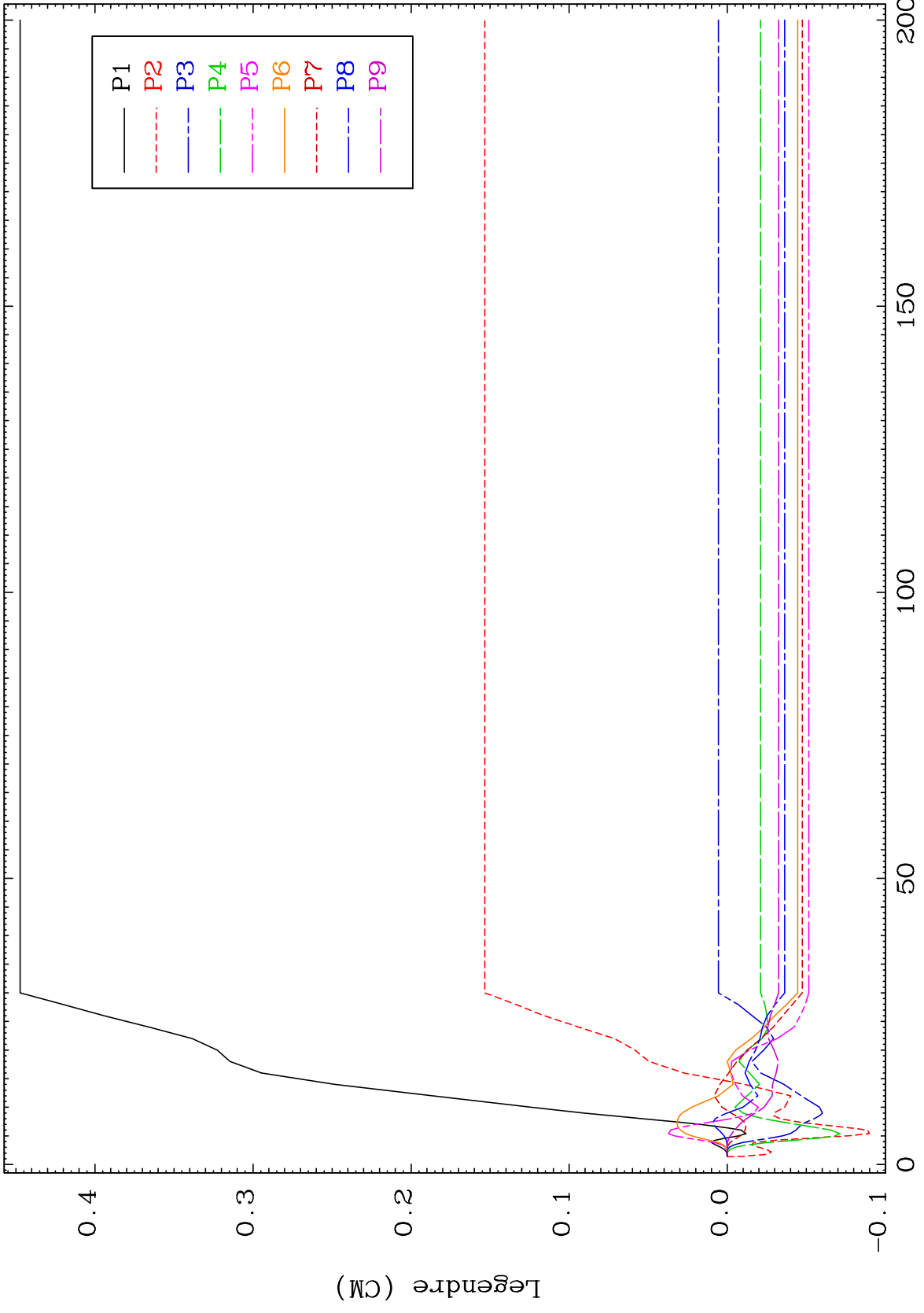
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



93

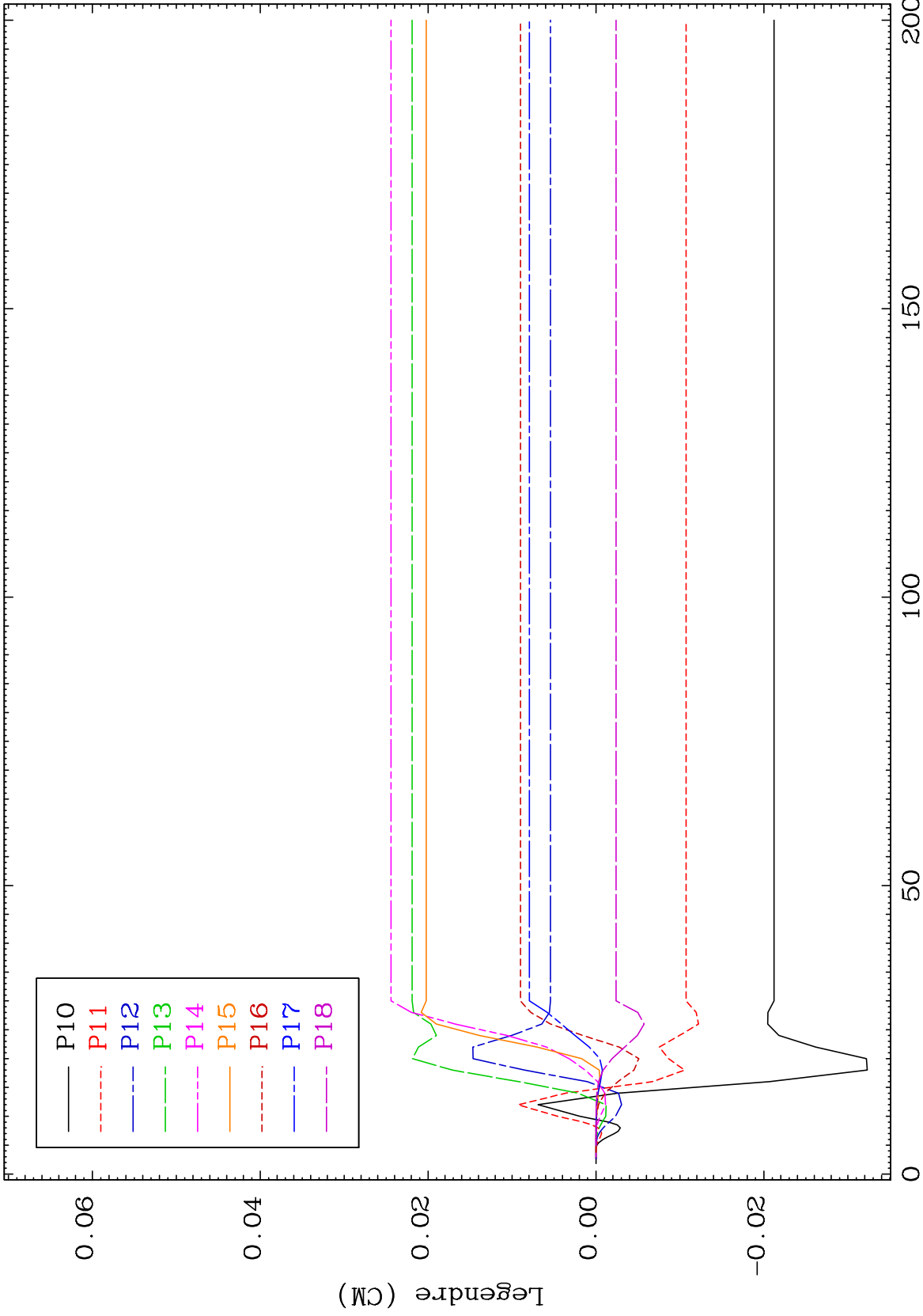
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



94

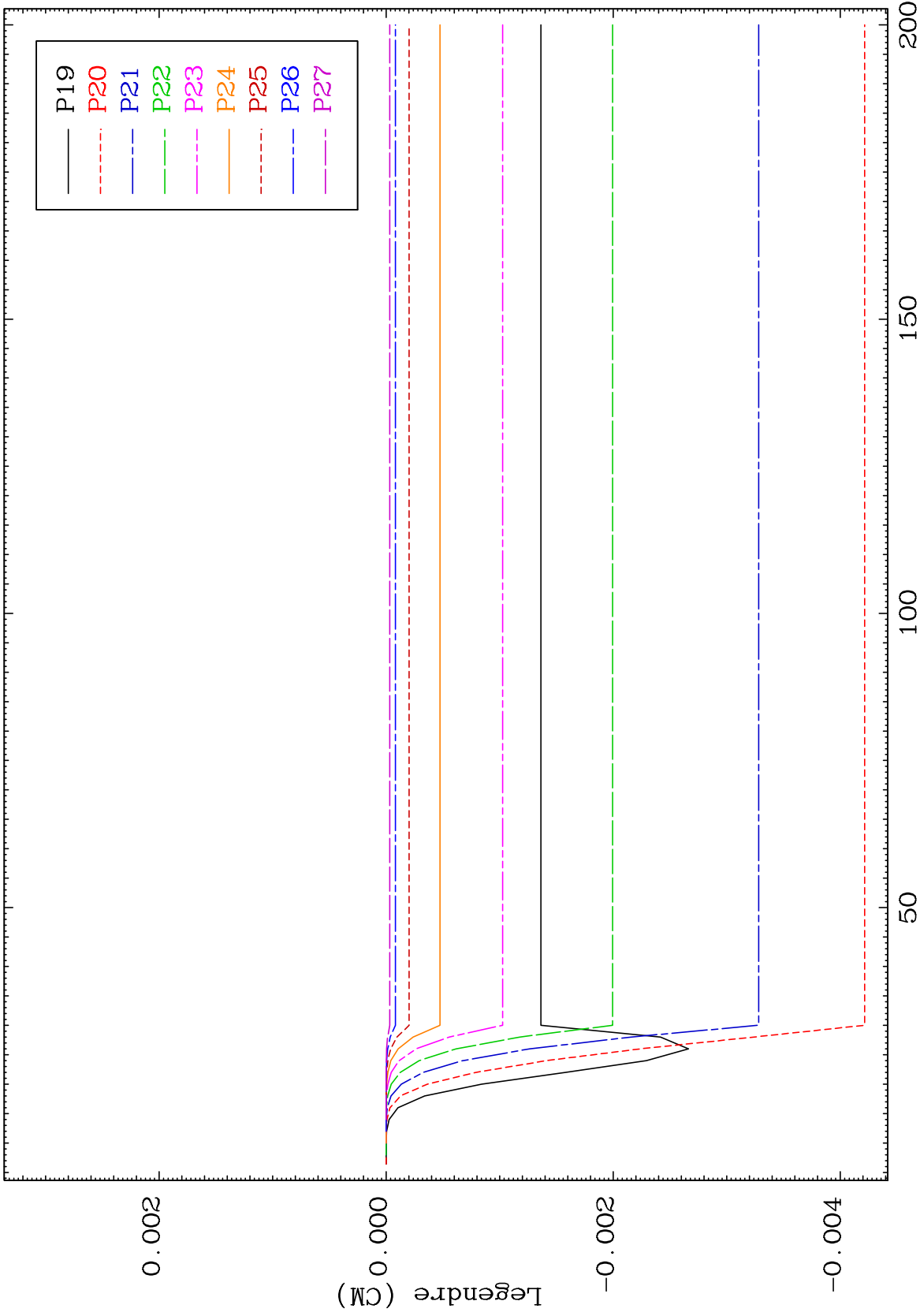
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



95

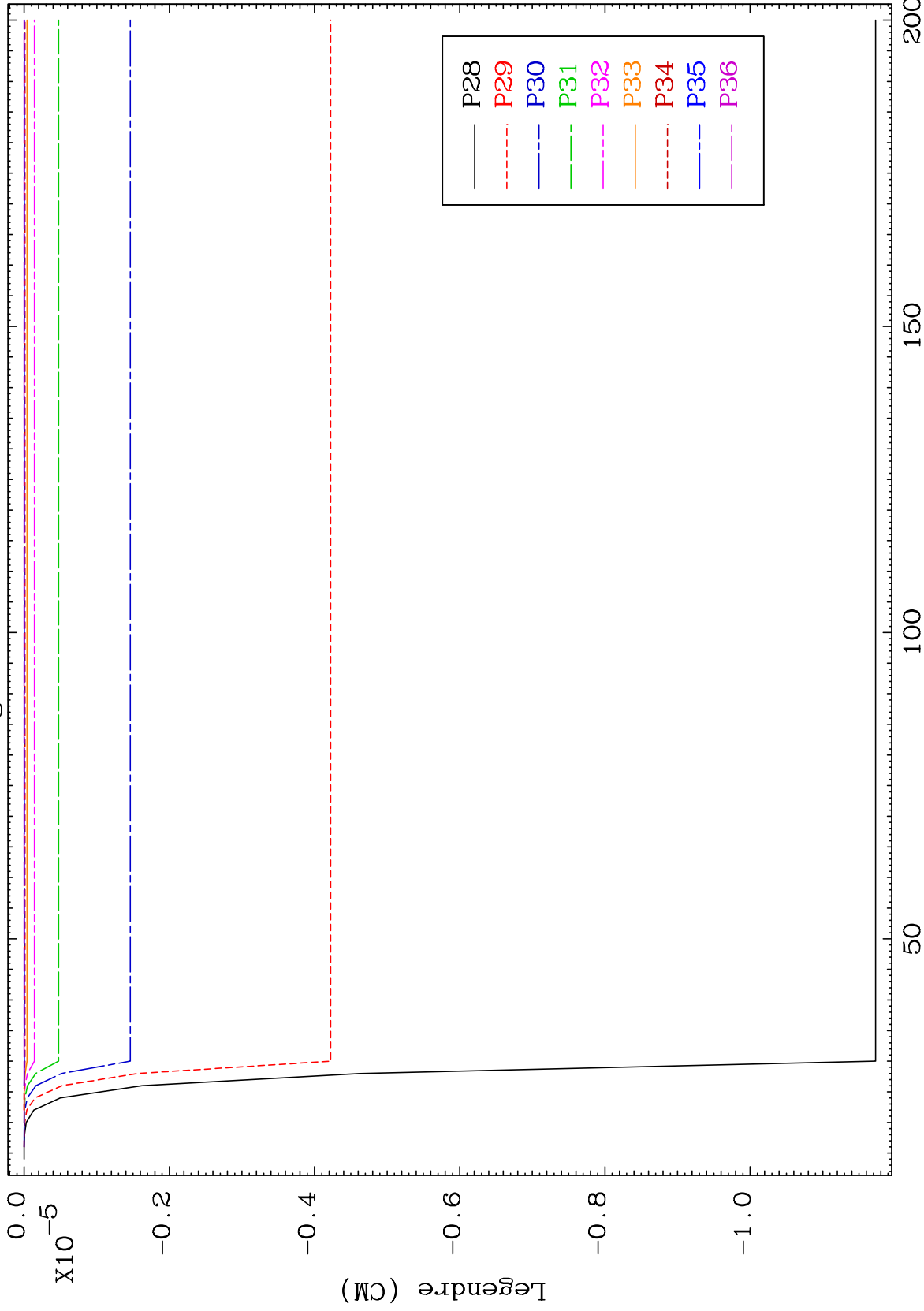
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



96

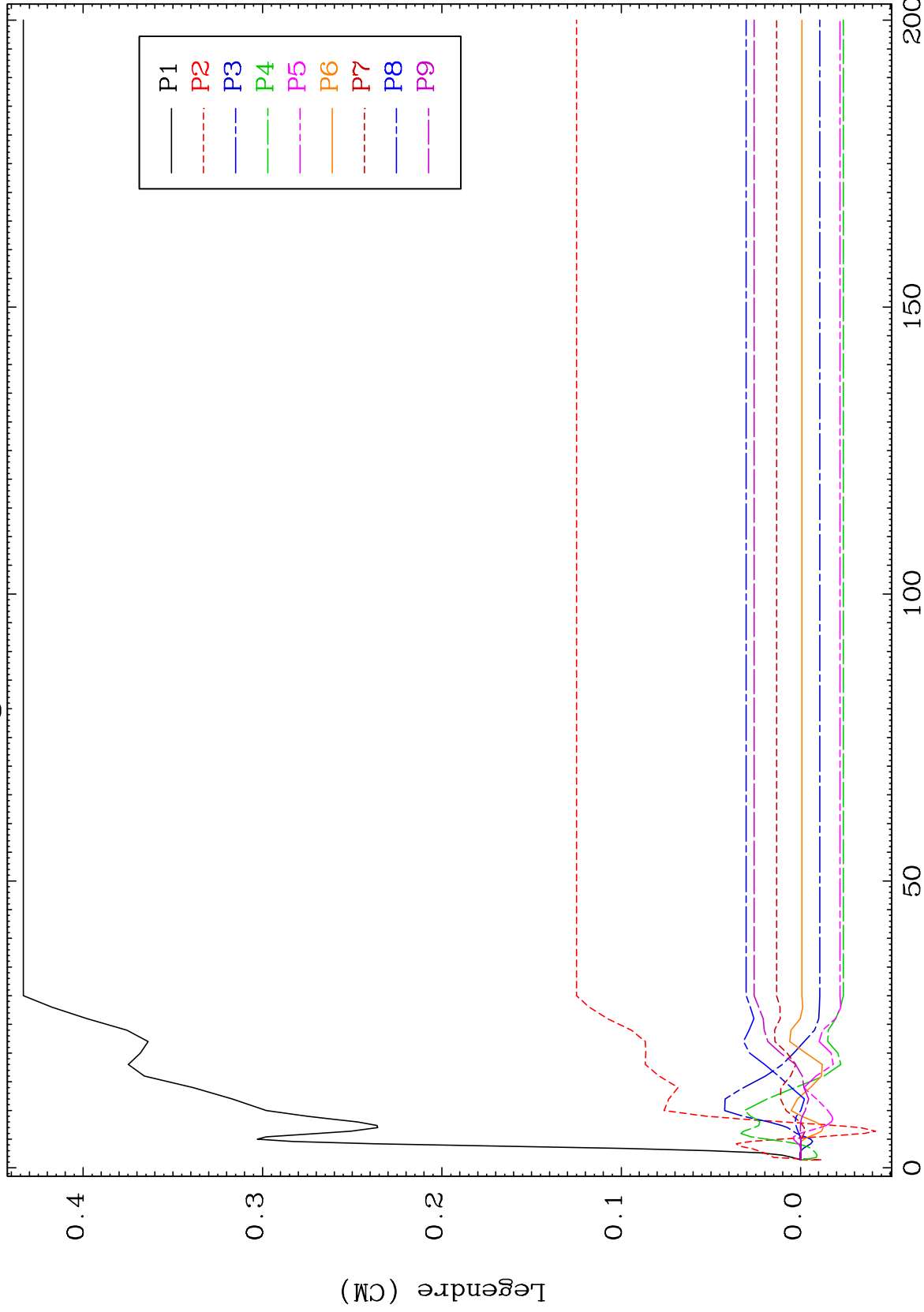
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



97

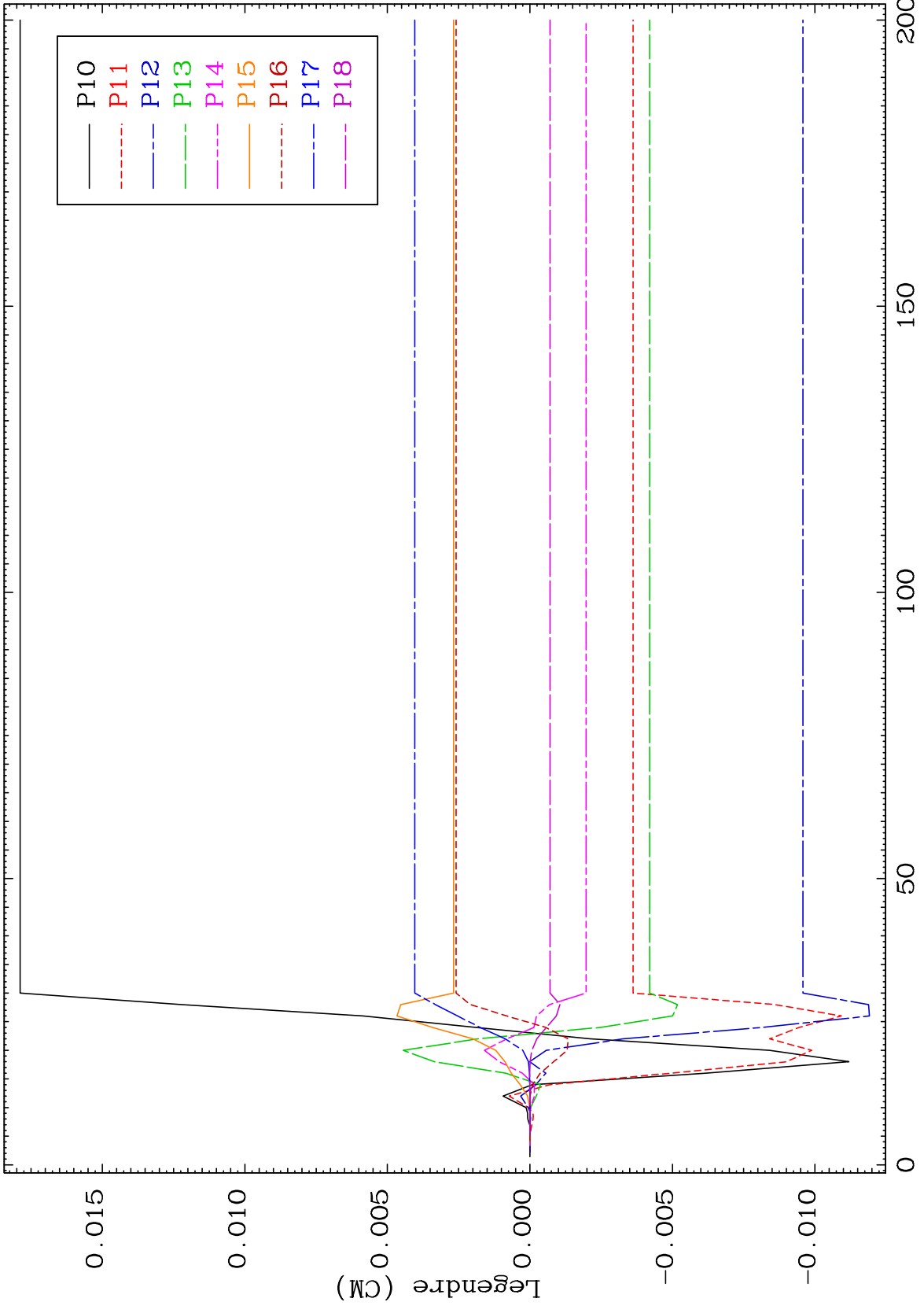
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



98

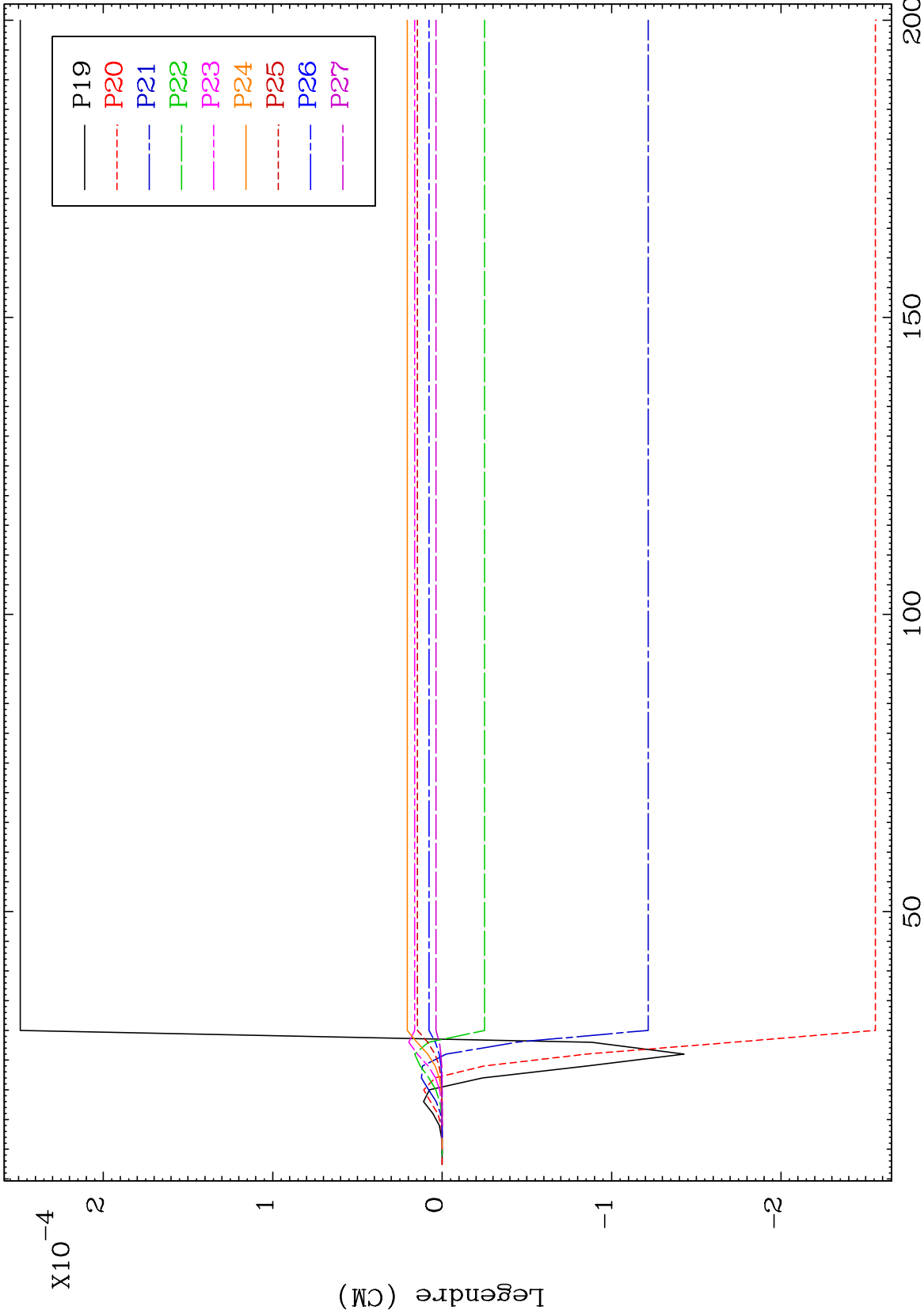
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



99

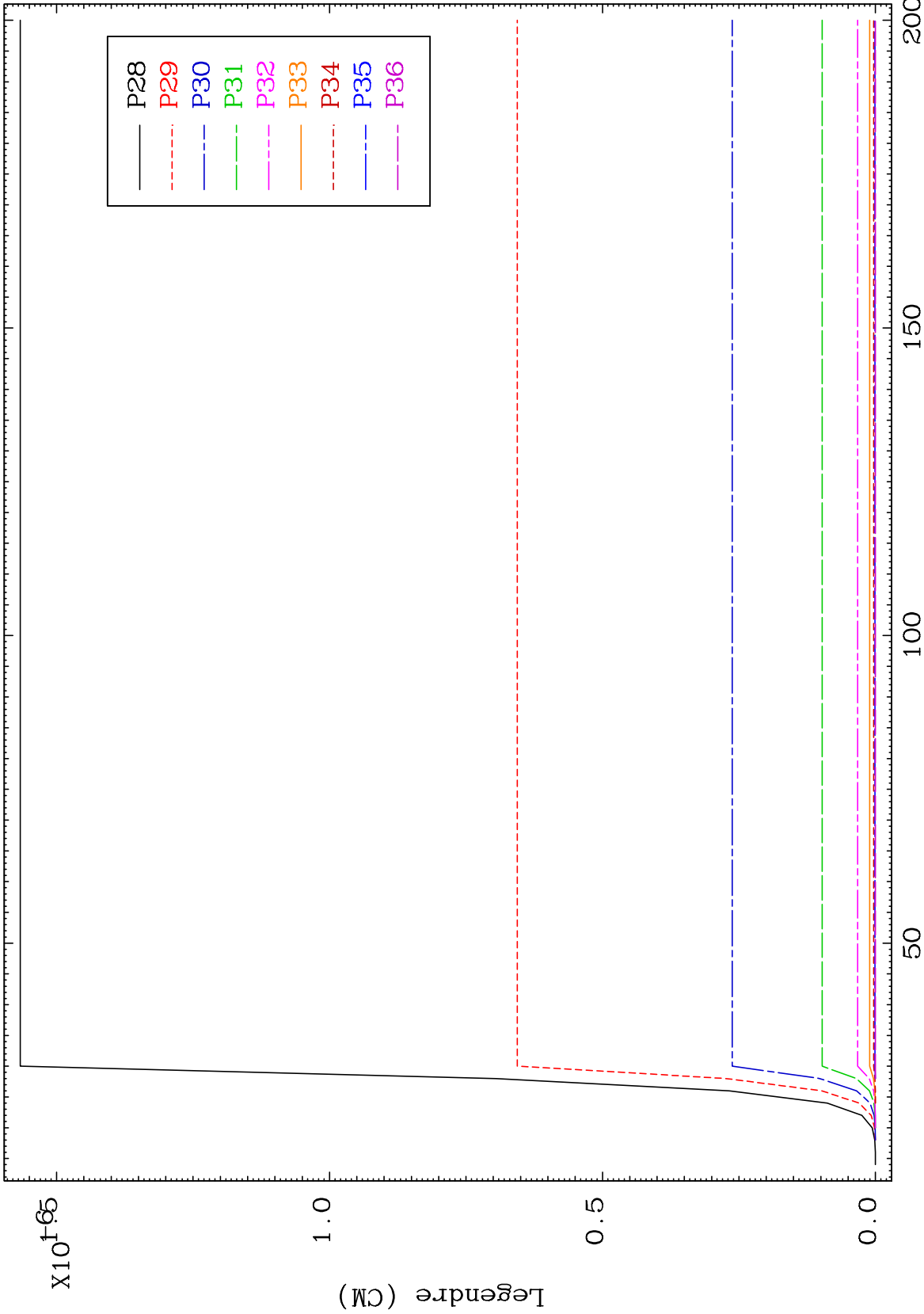
Incident Energy (MeV)

68-Er-170

MAT 6849

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

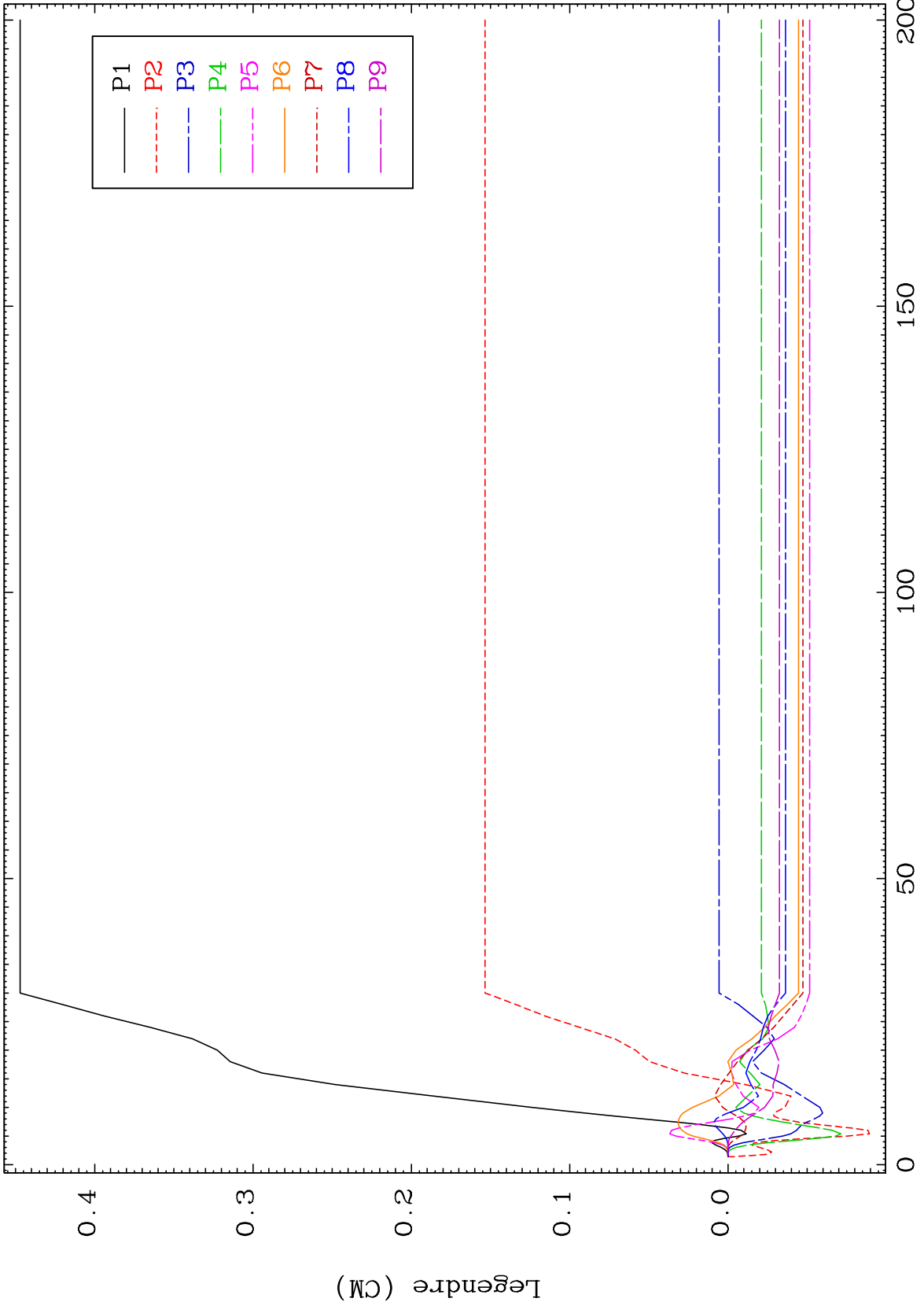
68-Er-170



MAT 6849

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

68-Er-170



101

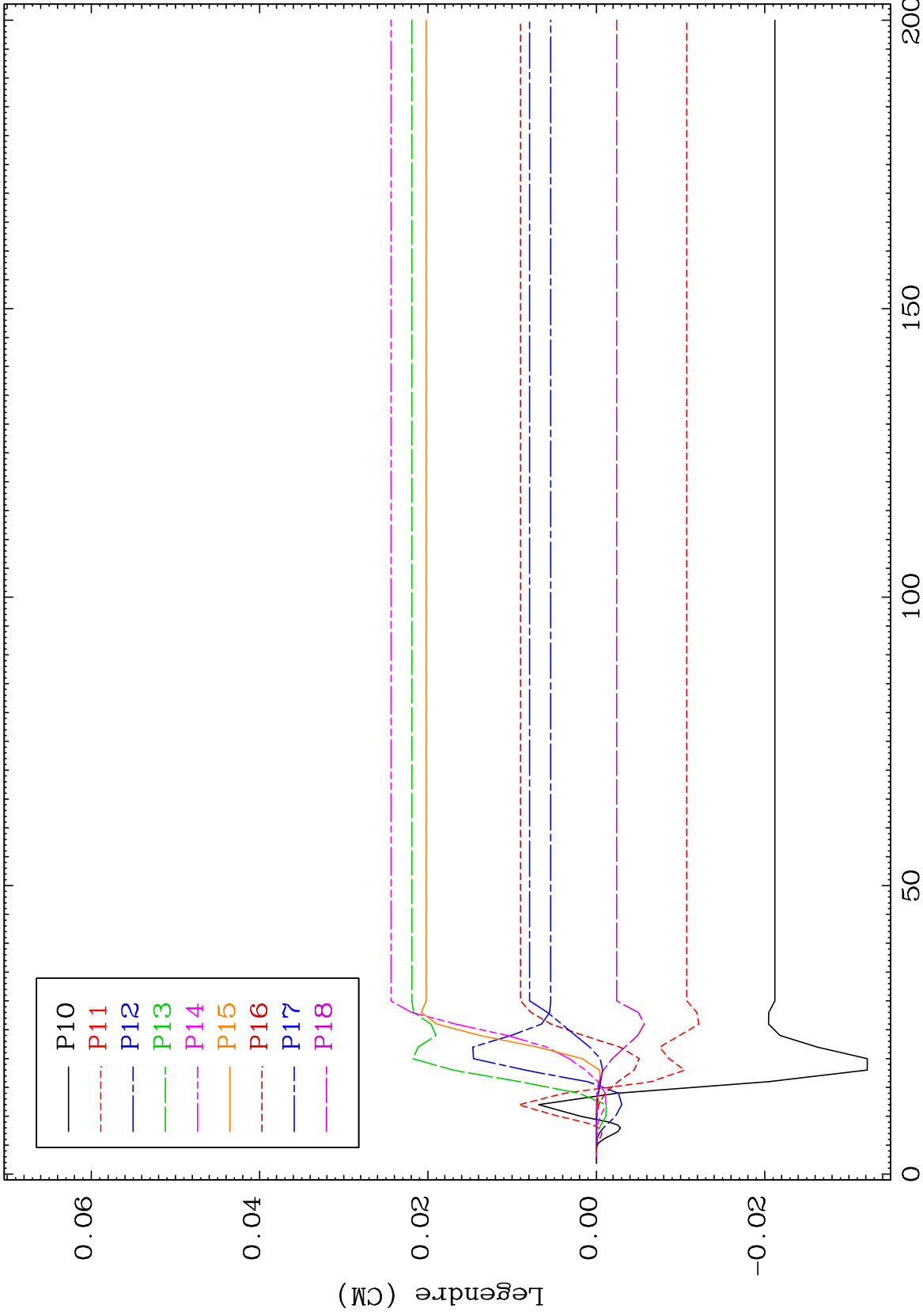
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



102

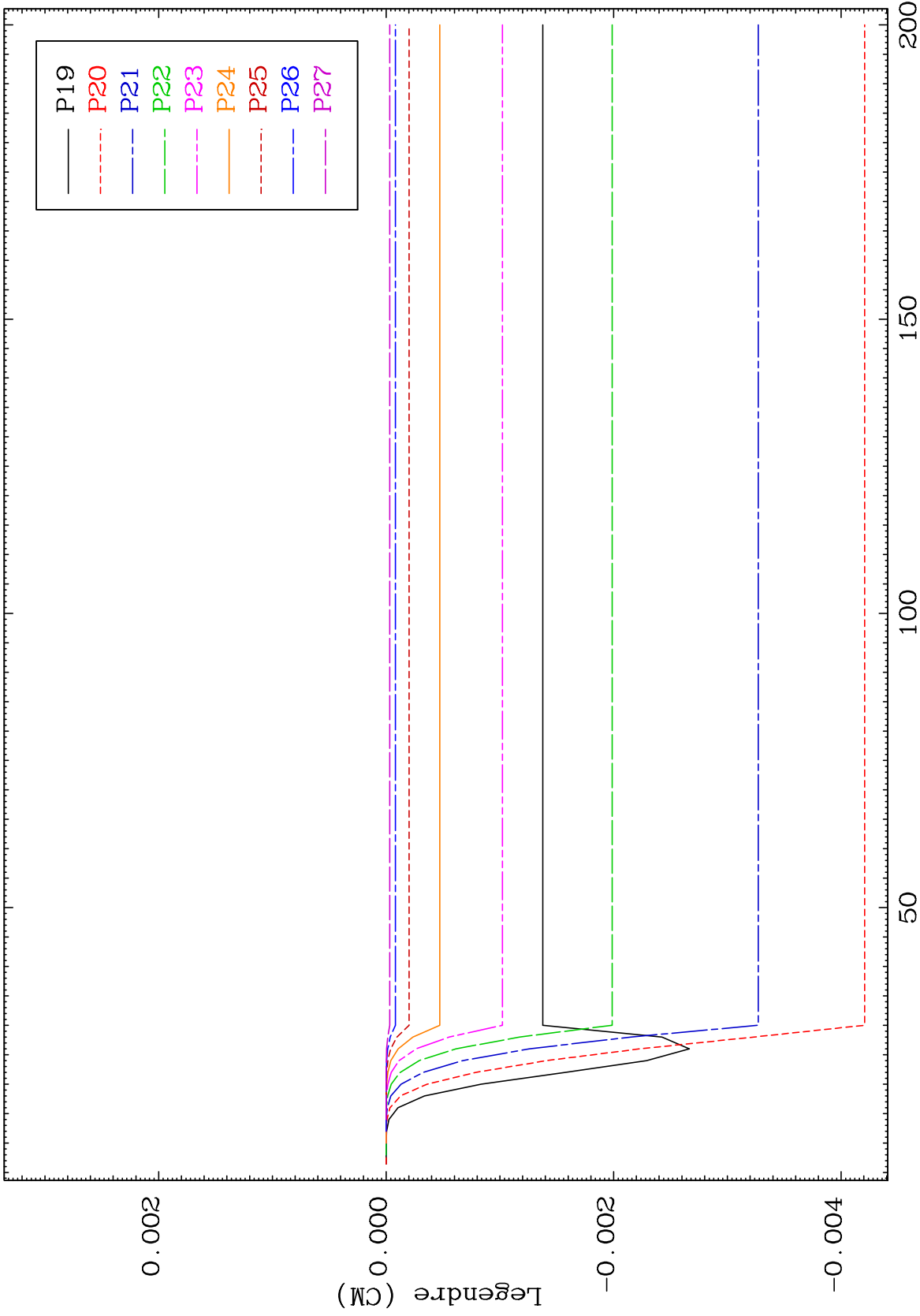
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



103

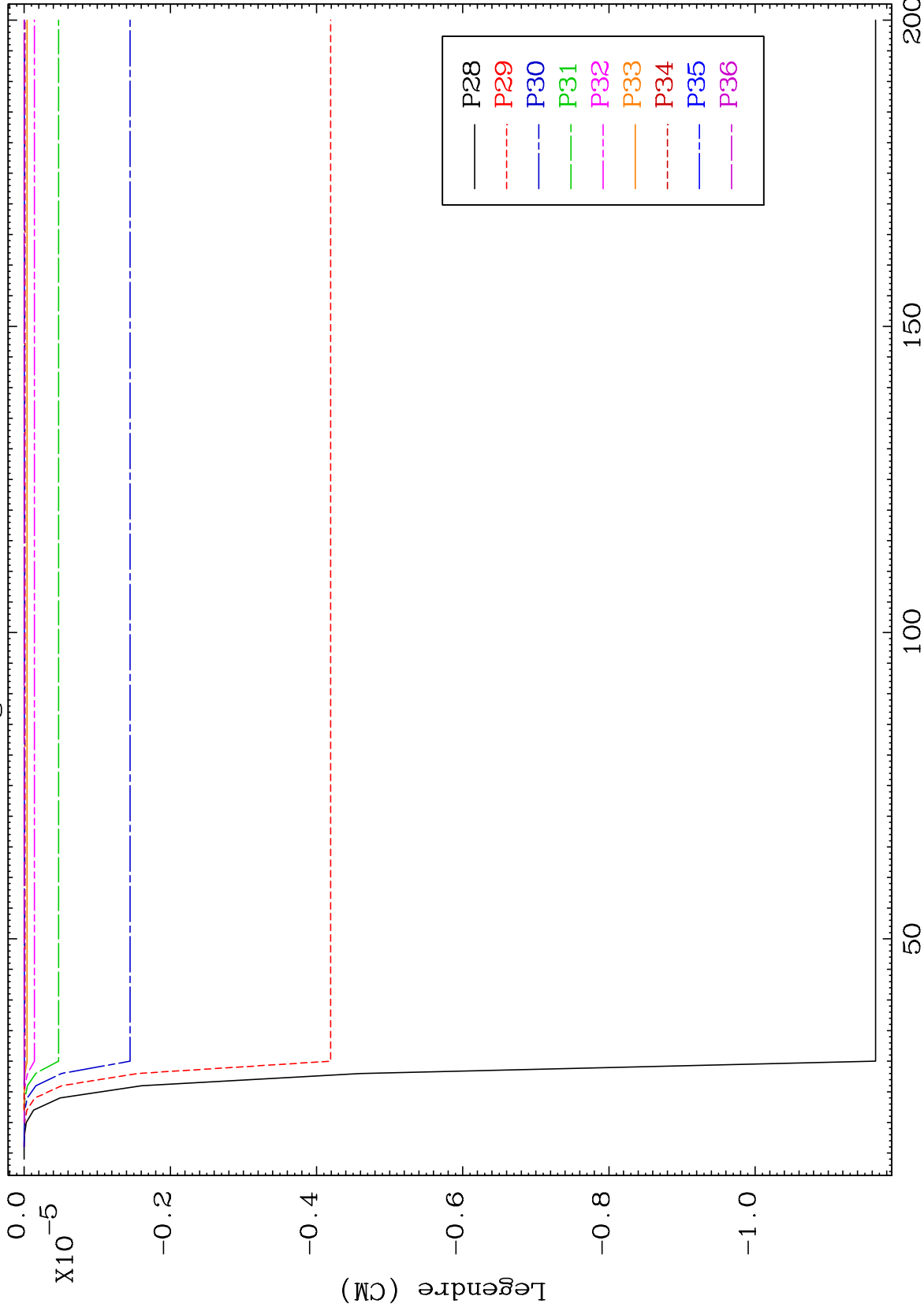
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



68-Er-170

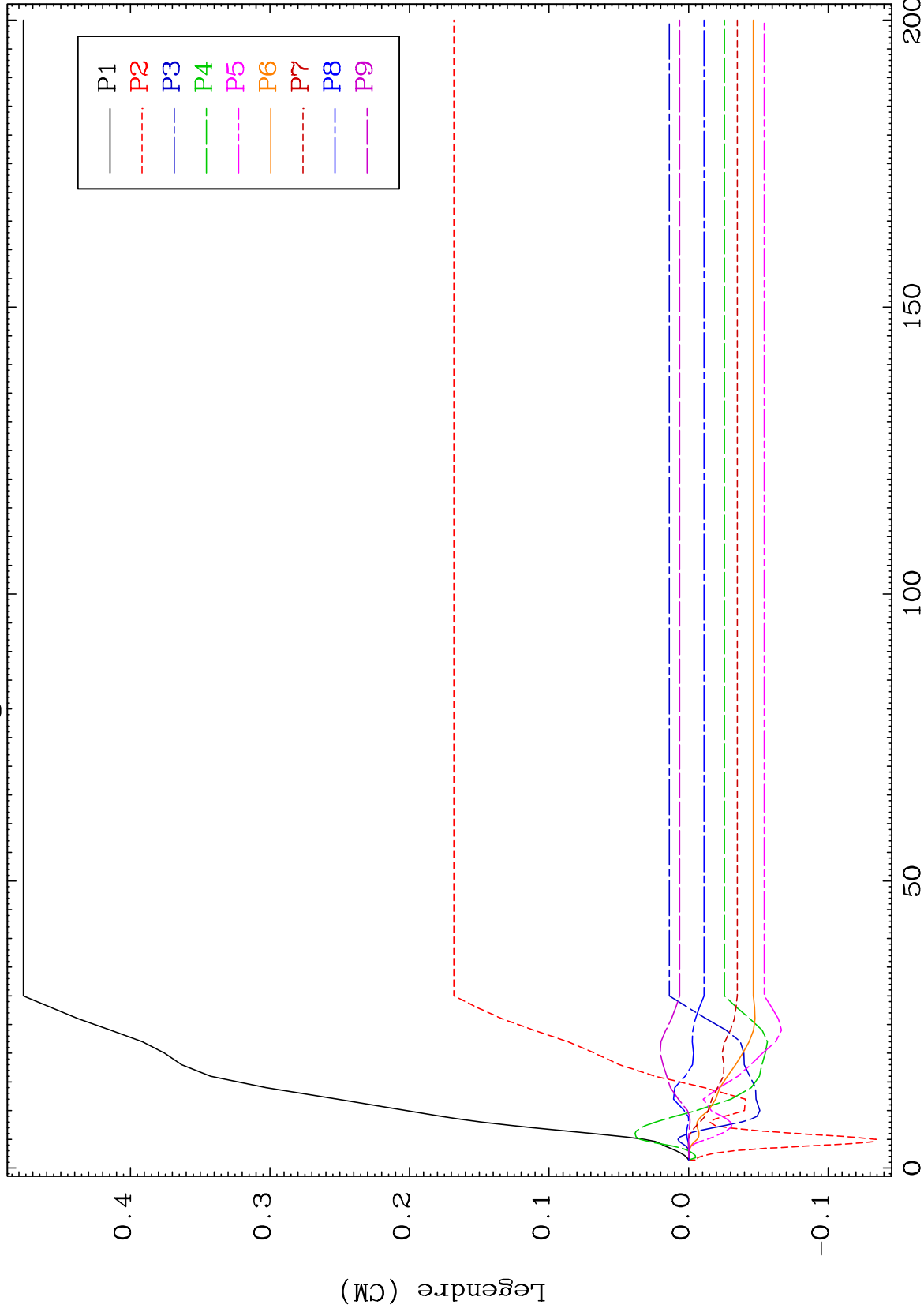
Incident Energy (MeV)

104

MAT 6849

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

68-Er-170



68-Er-170

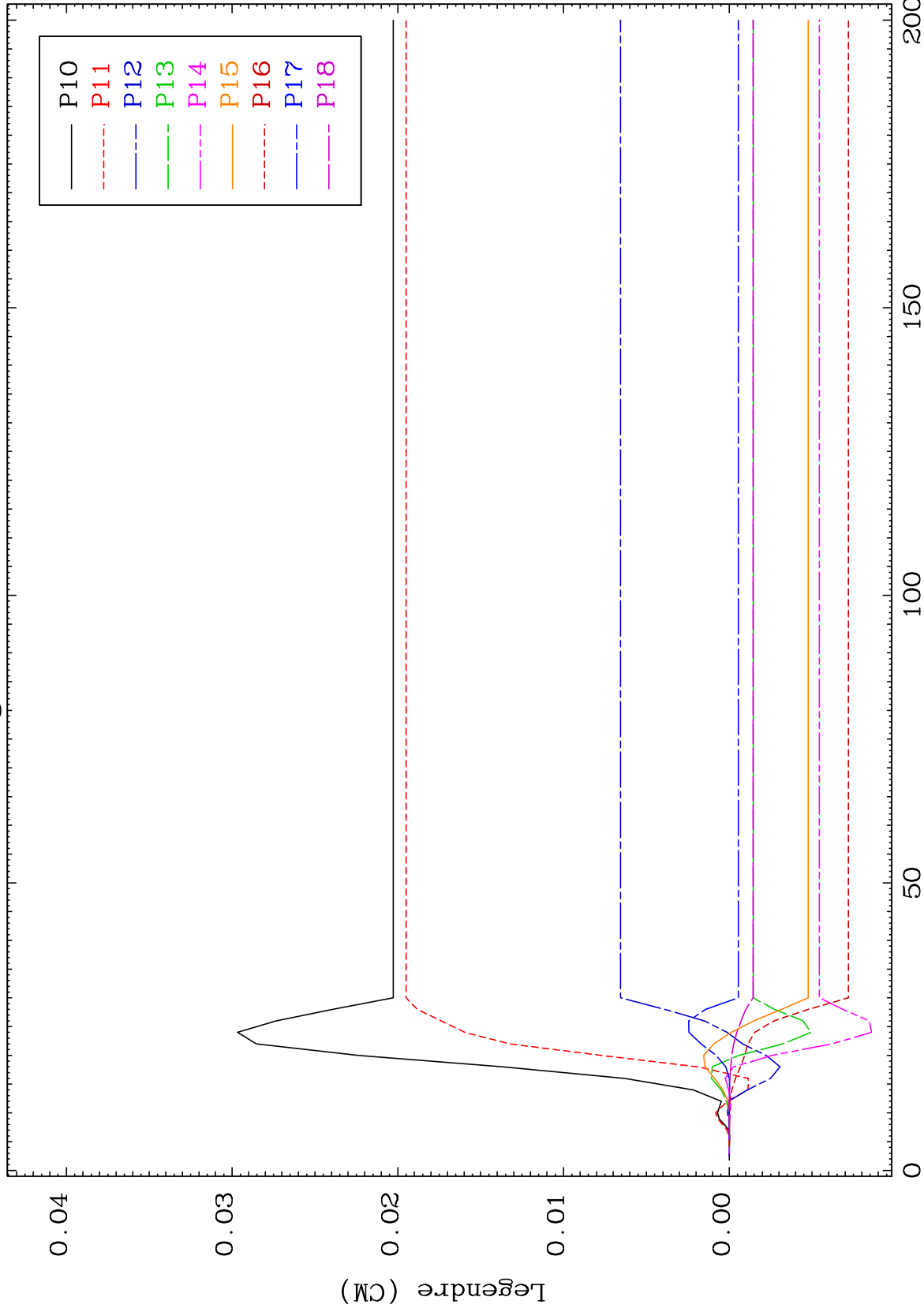
Incident Energy (MeV)

105

MAT 6849

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

68-Er-170



106

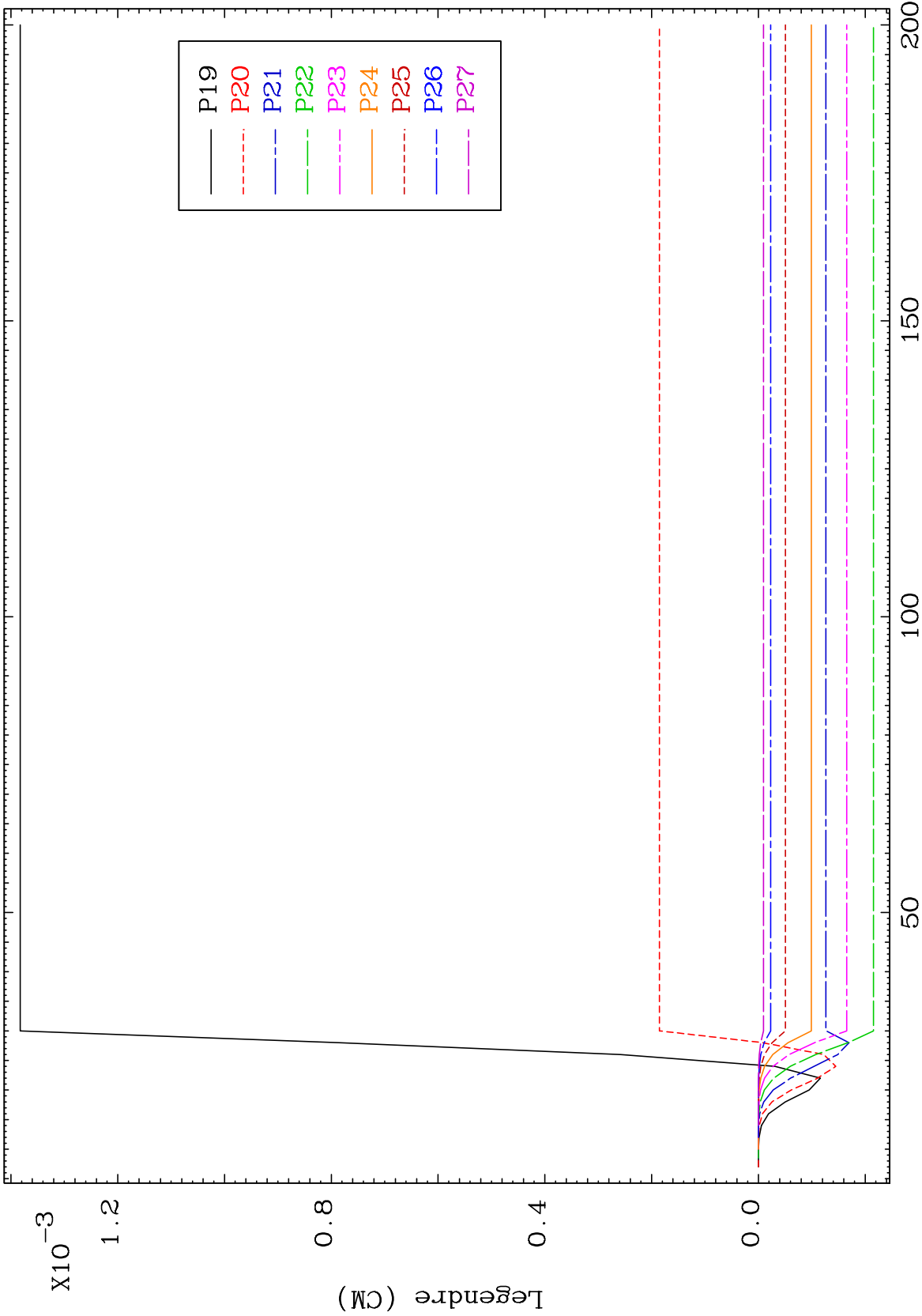
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



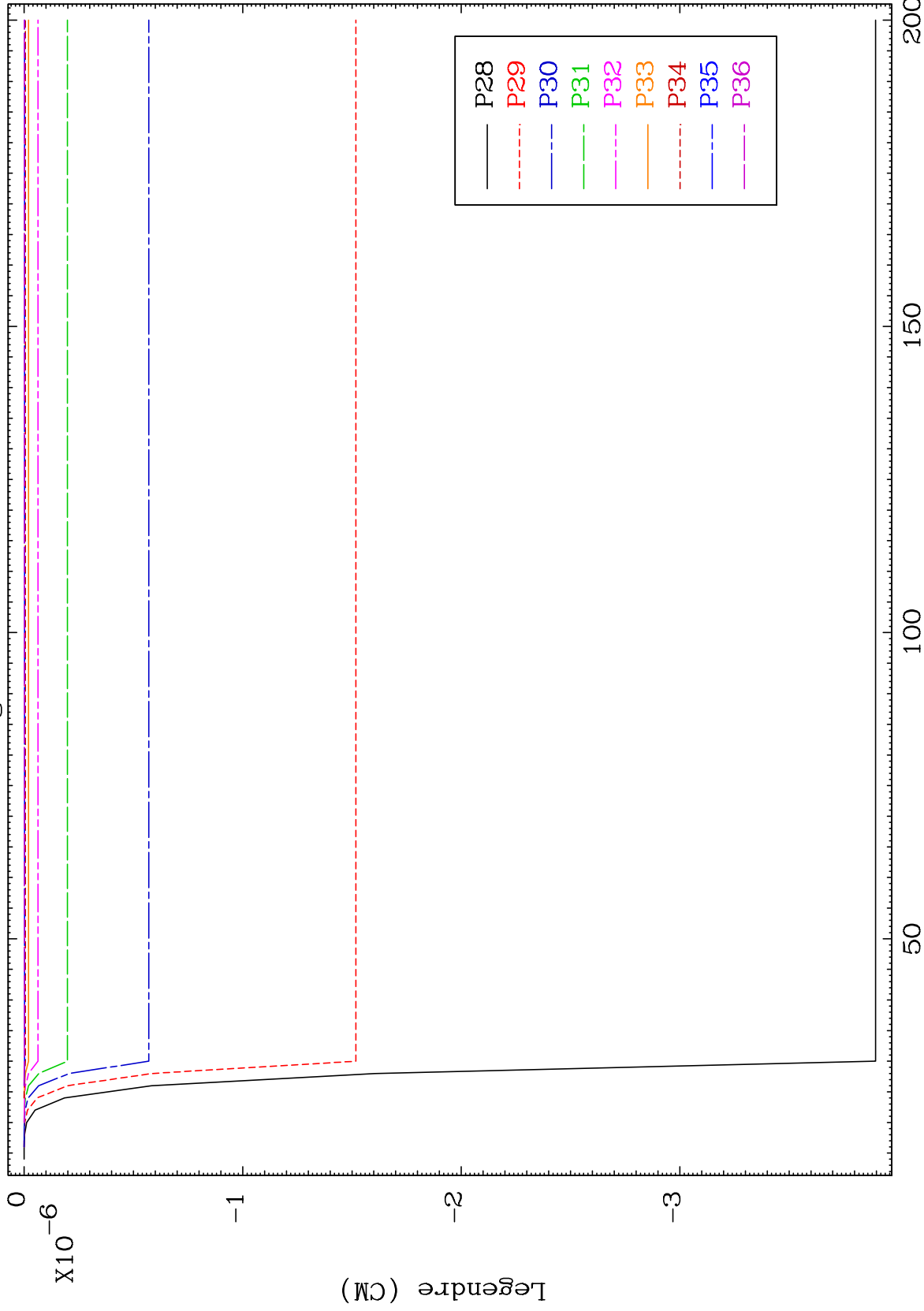
107

68-Er-170

MAT 6849

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

68-Er-170



108

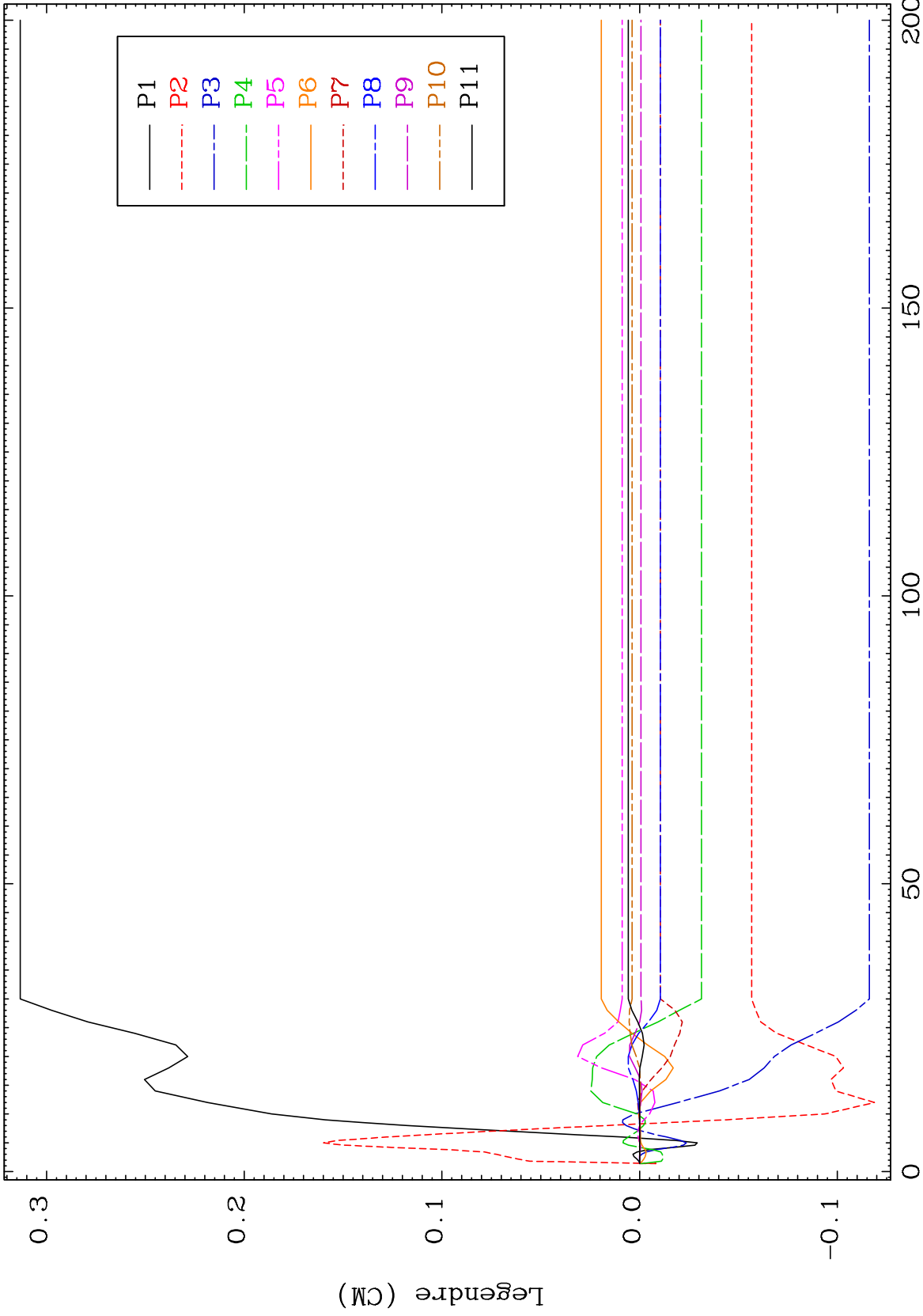
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



109

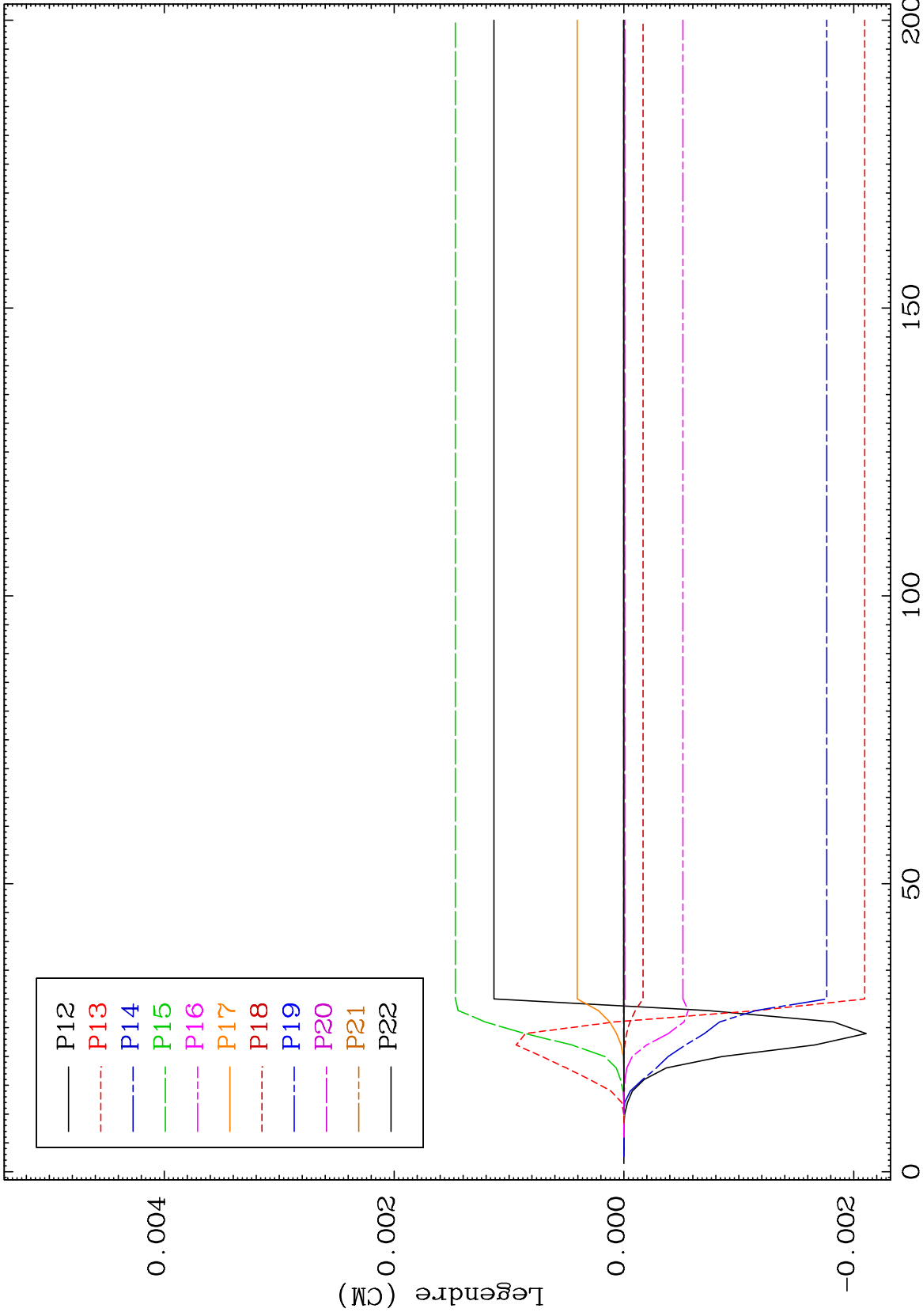
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



110

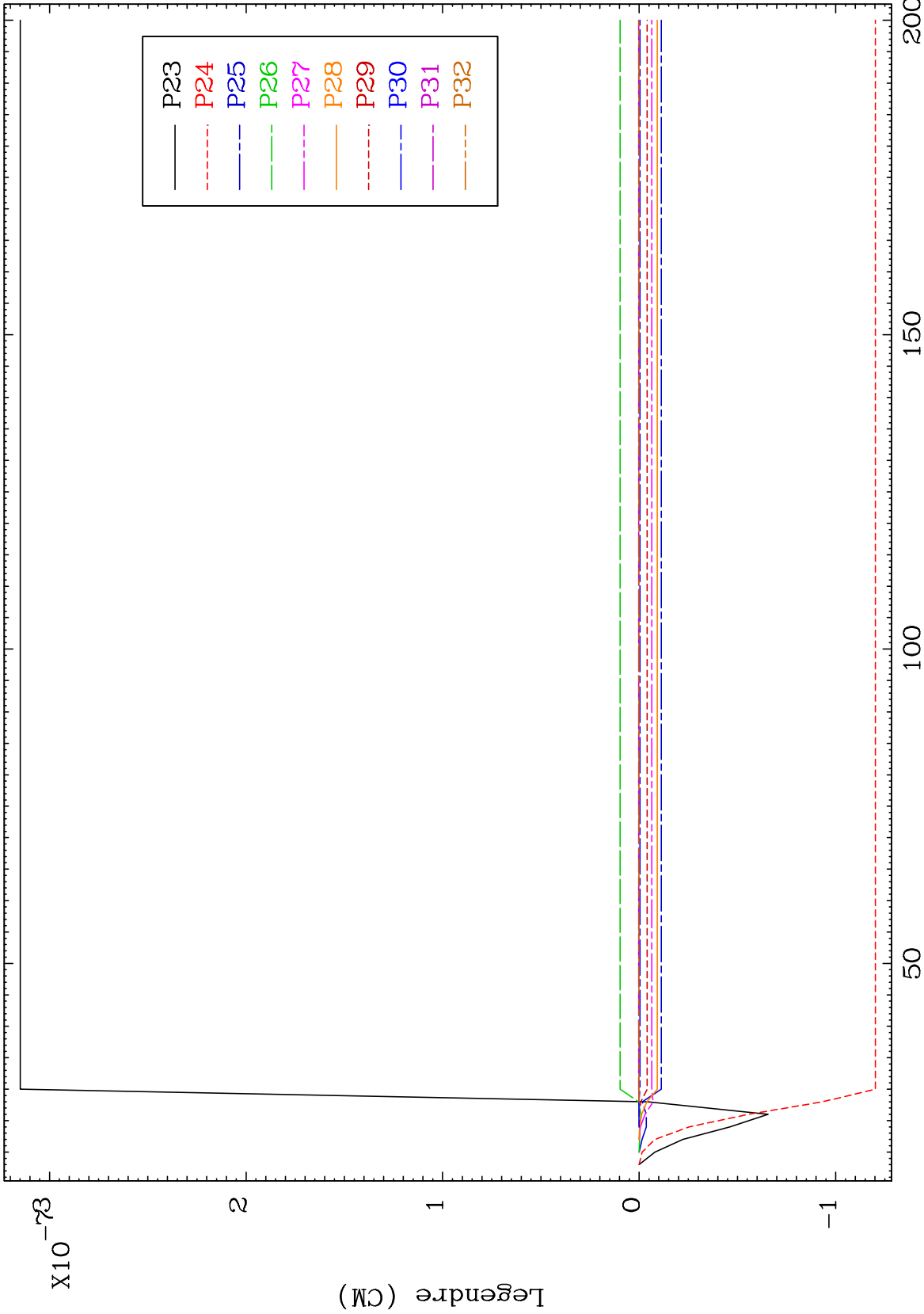
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



111

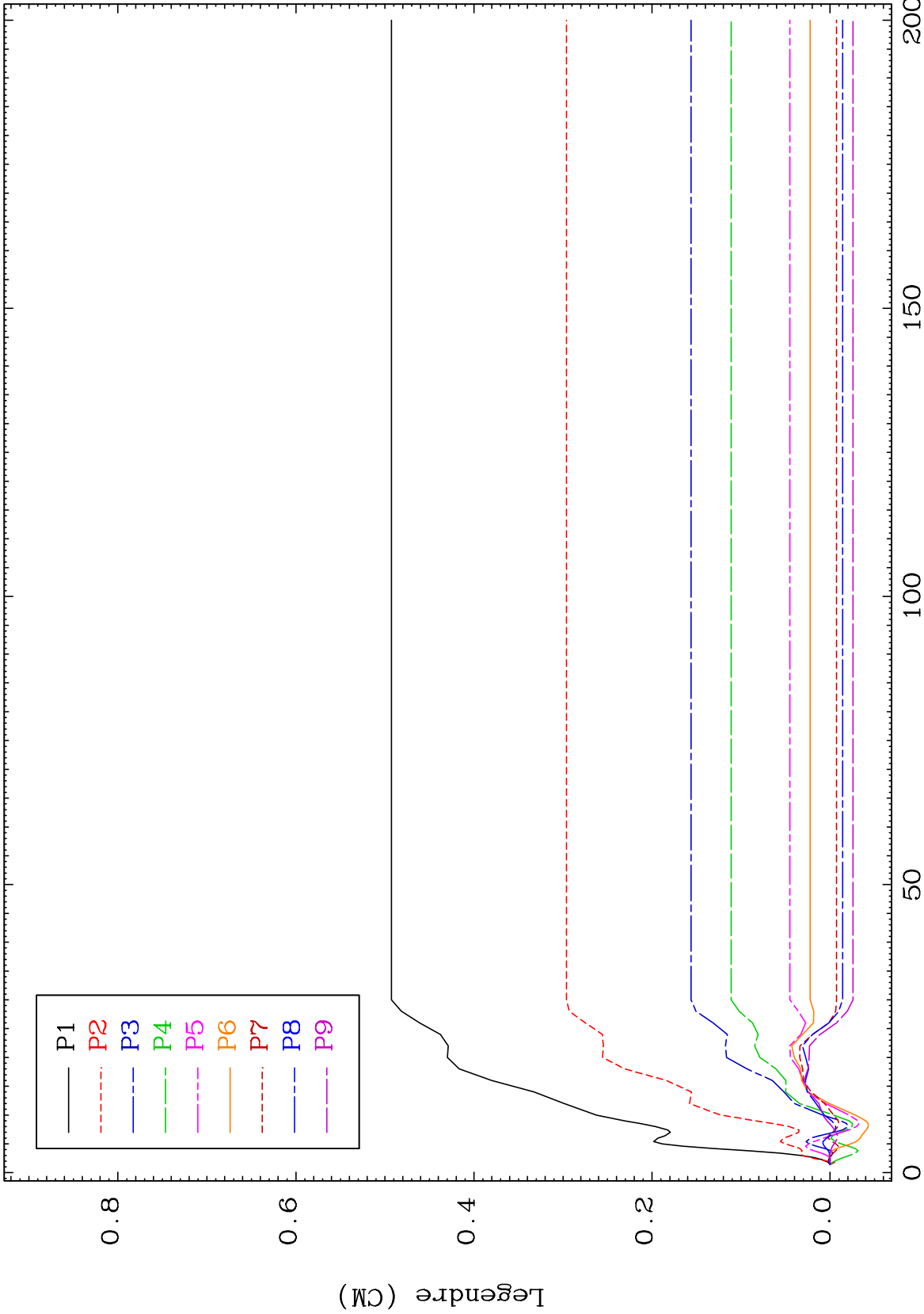
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



112

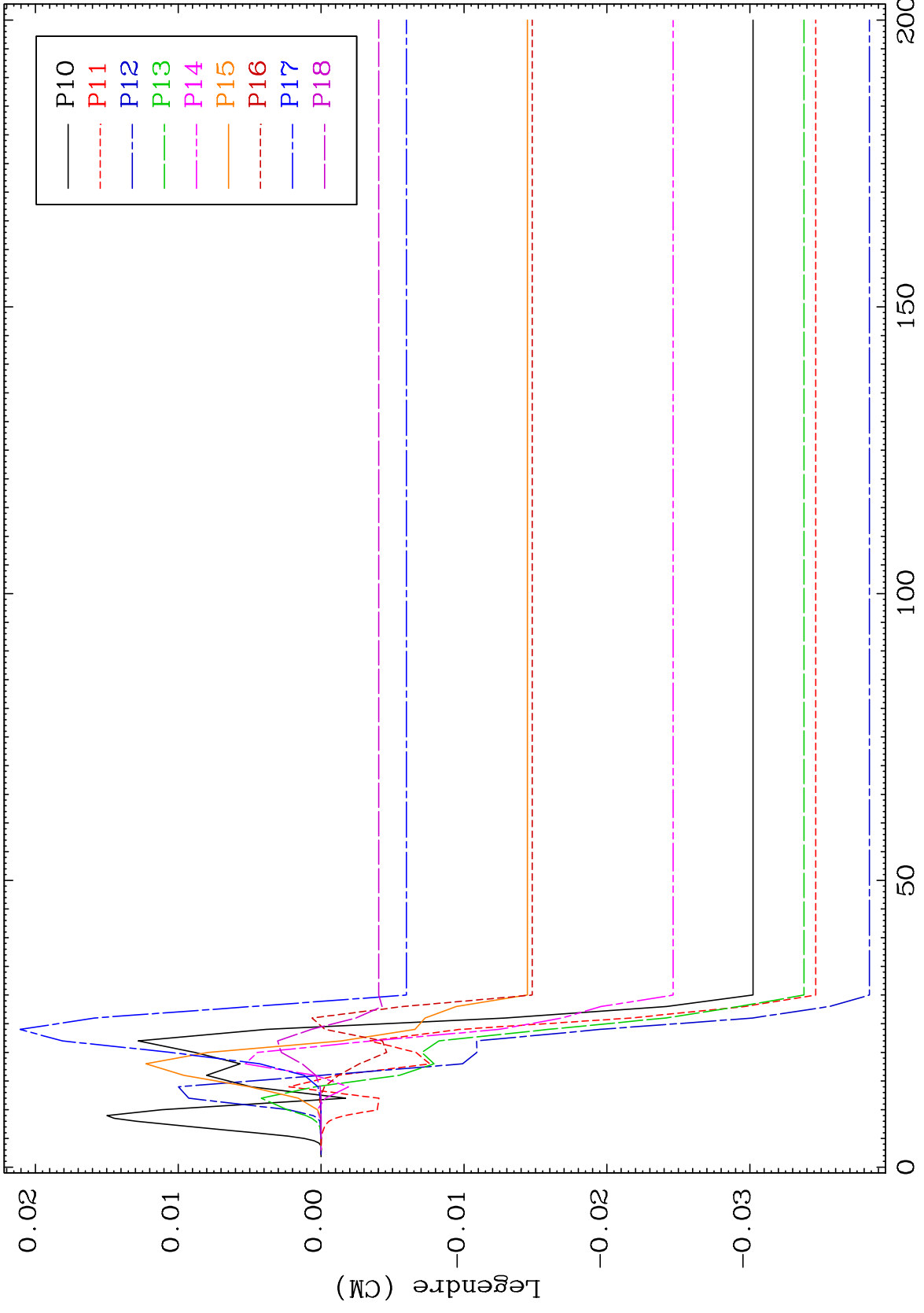
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



113

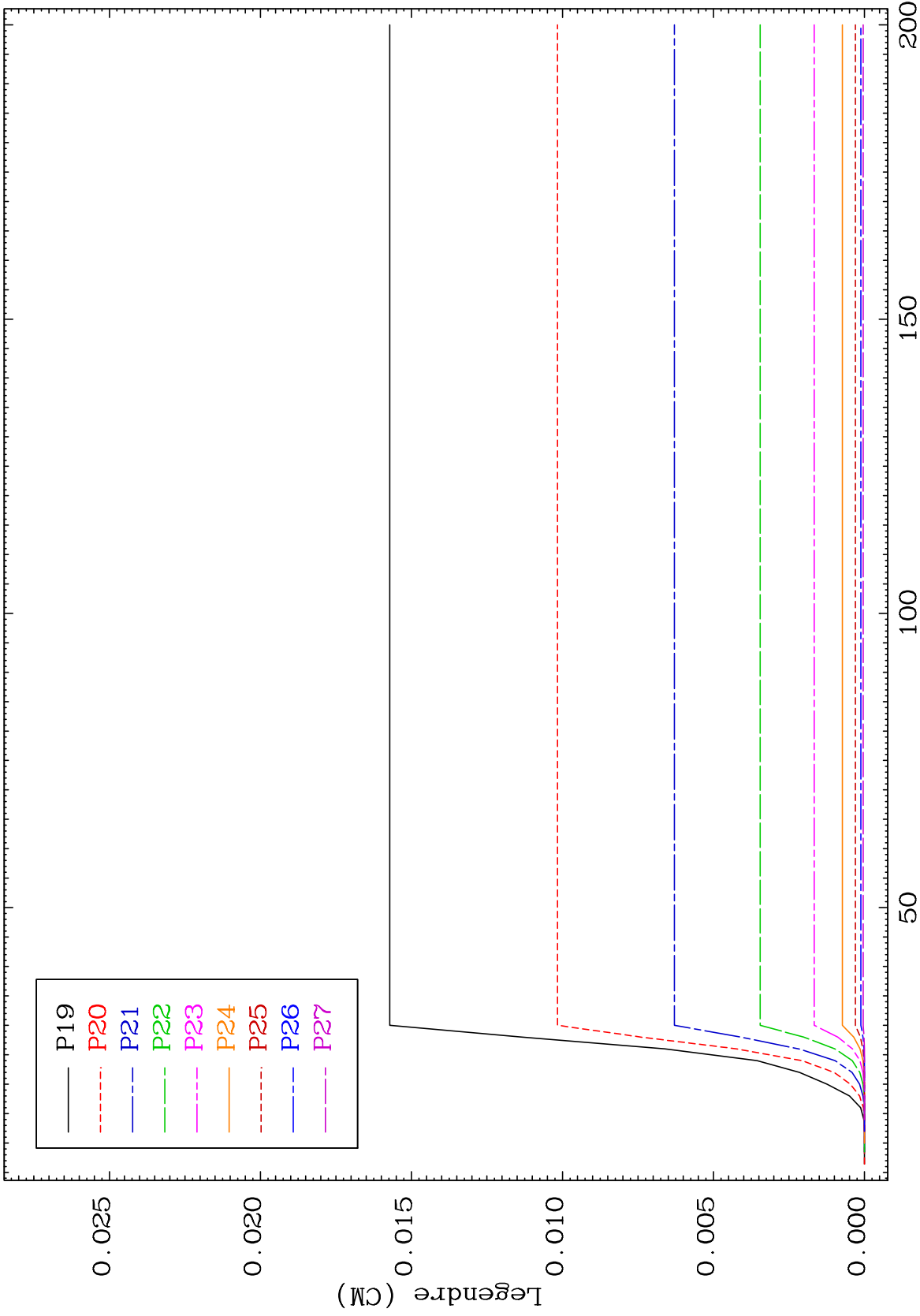
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



114

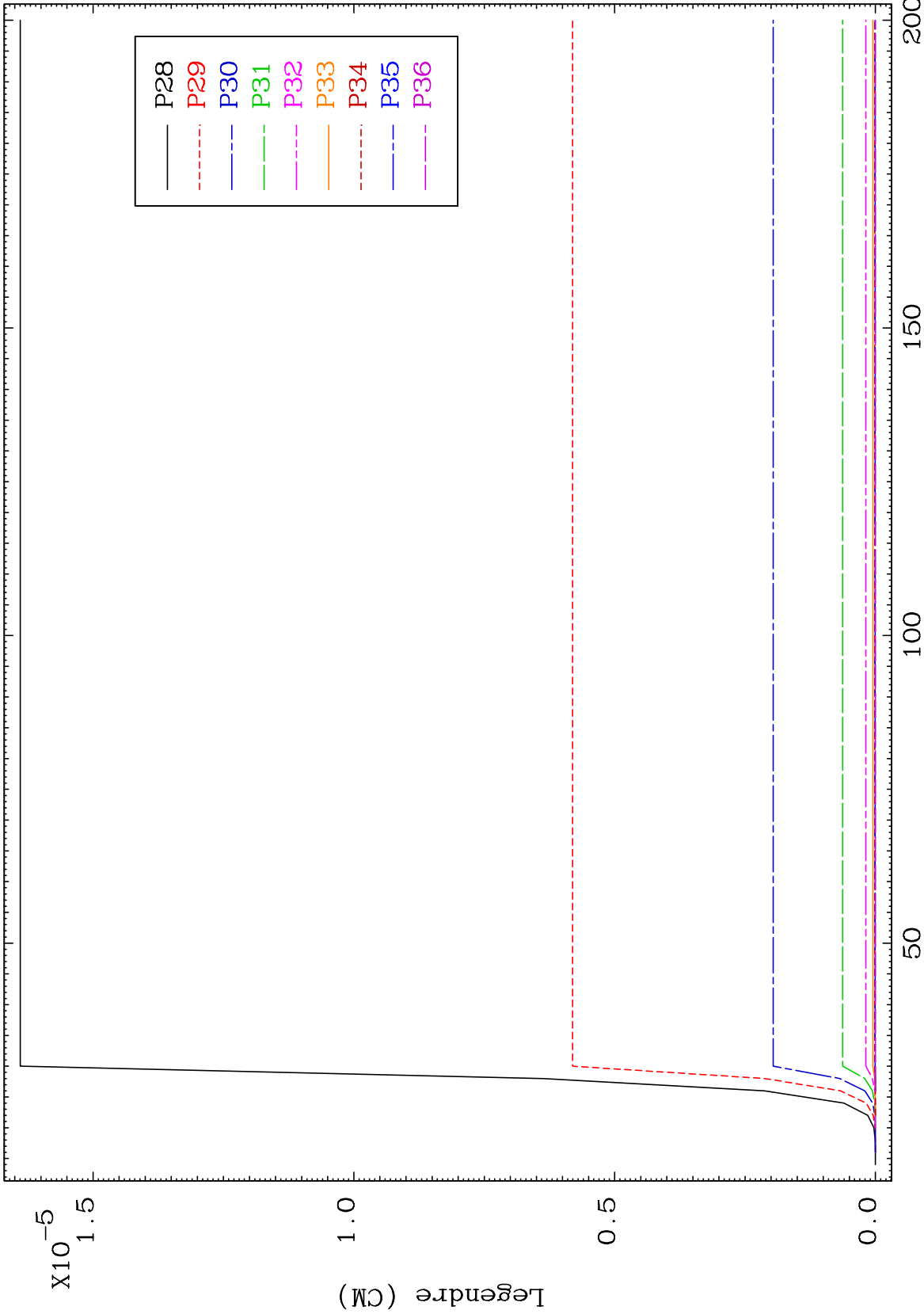
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



115

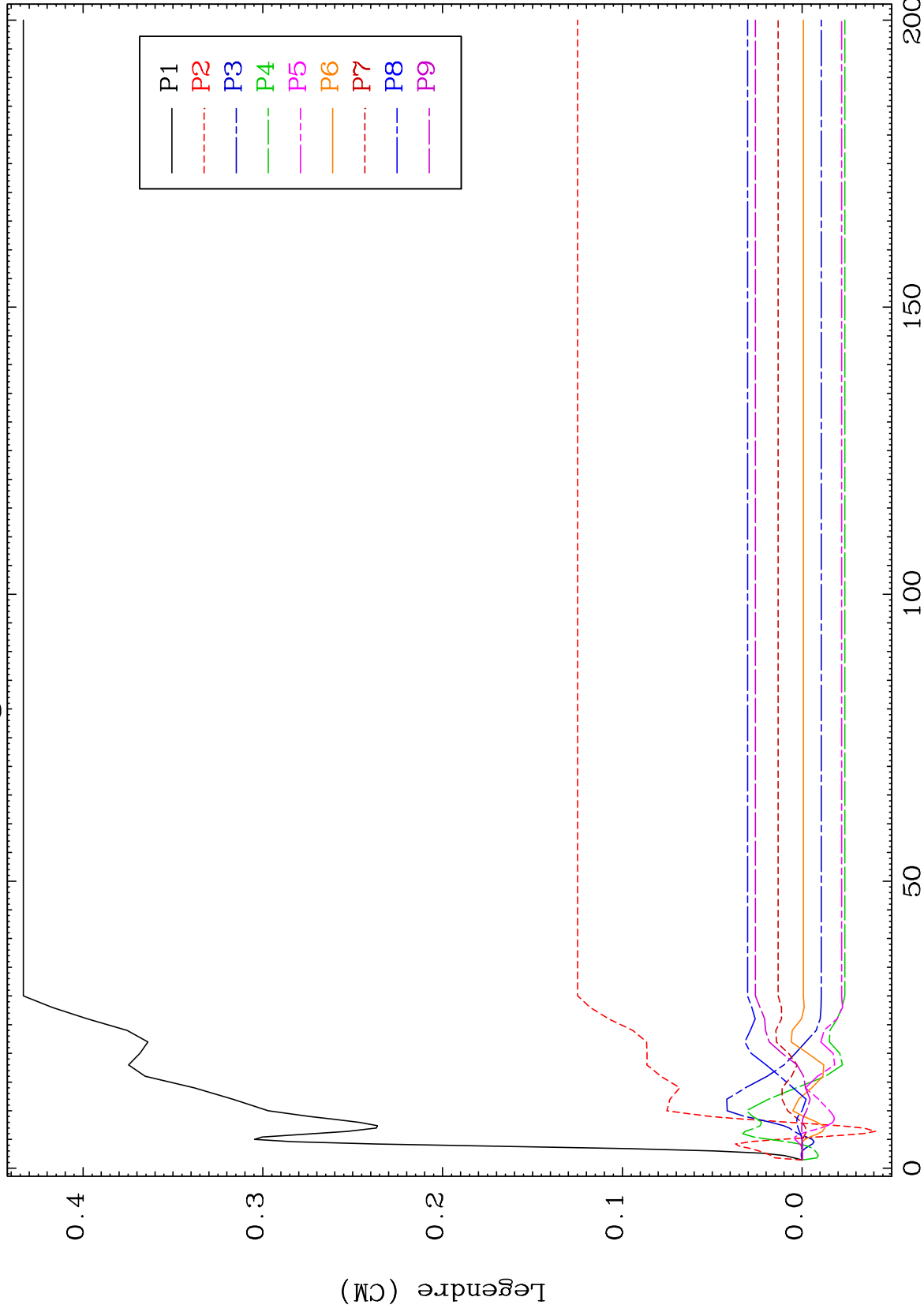
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



116

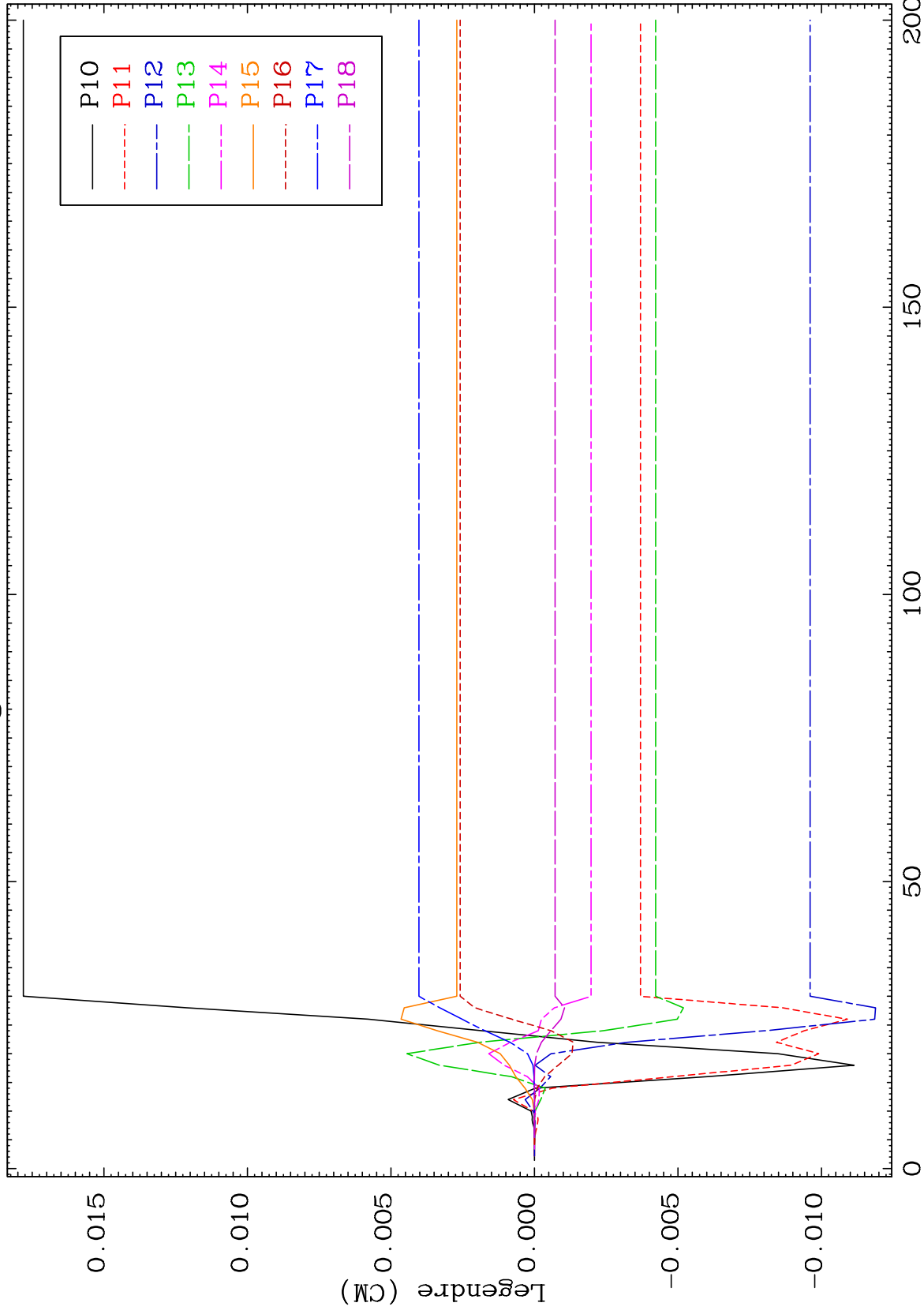
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



117

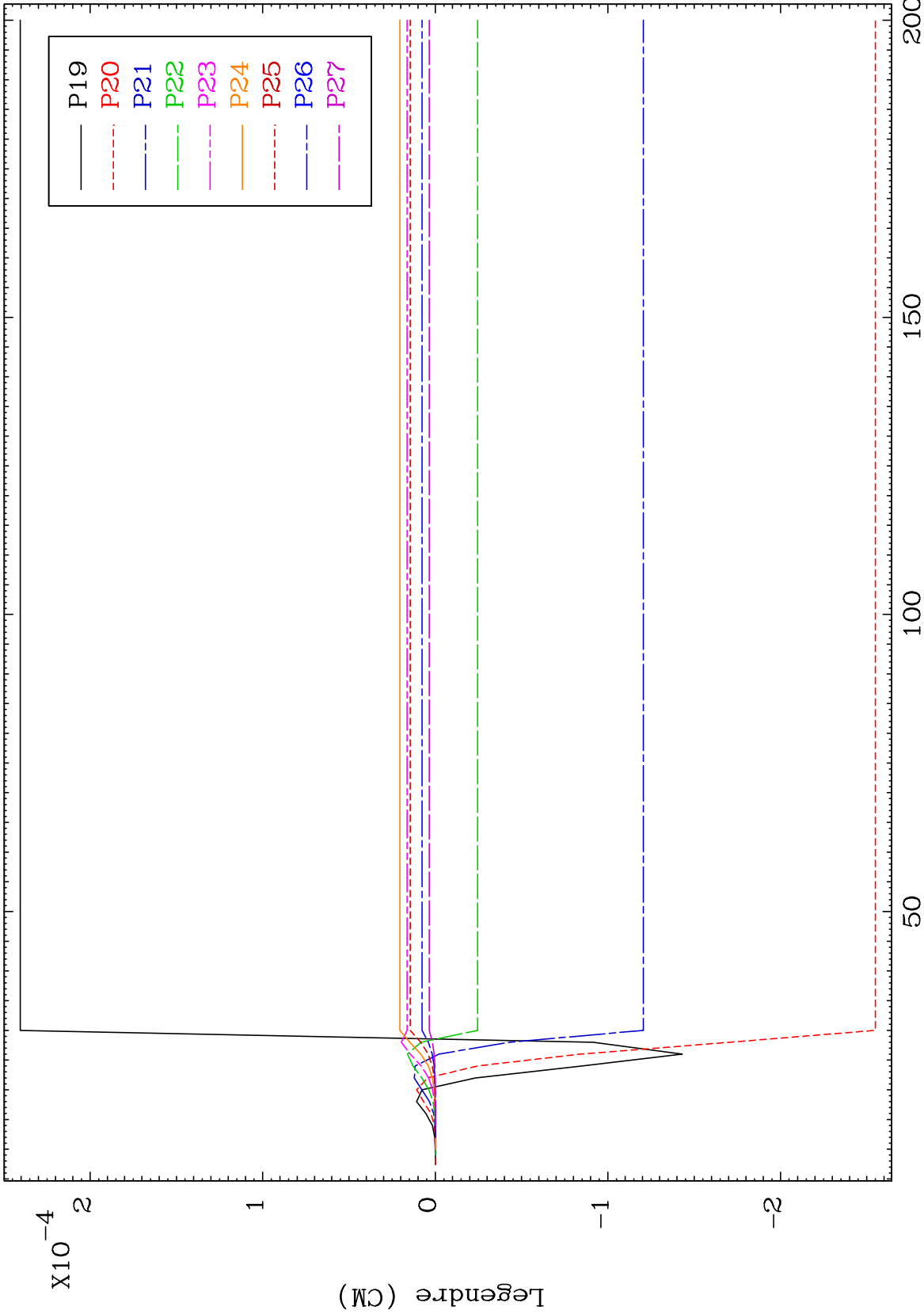
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



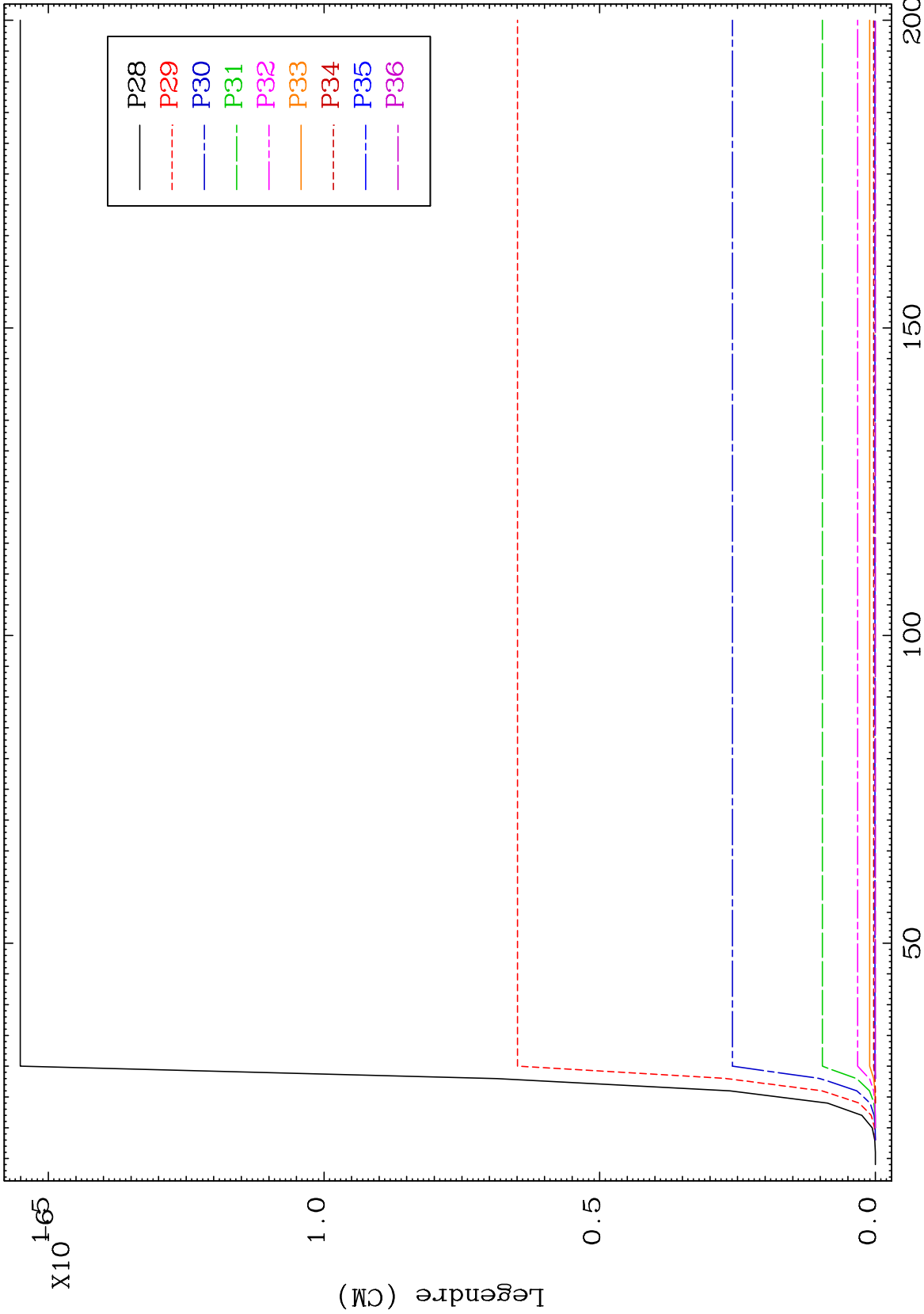
118

68-Er-170

MAT 6849

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

68-Er-170



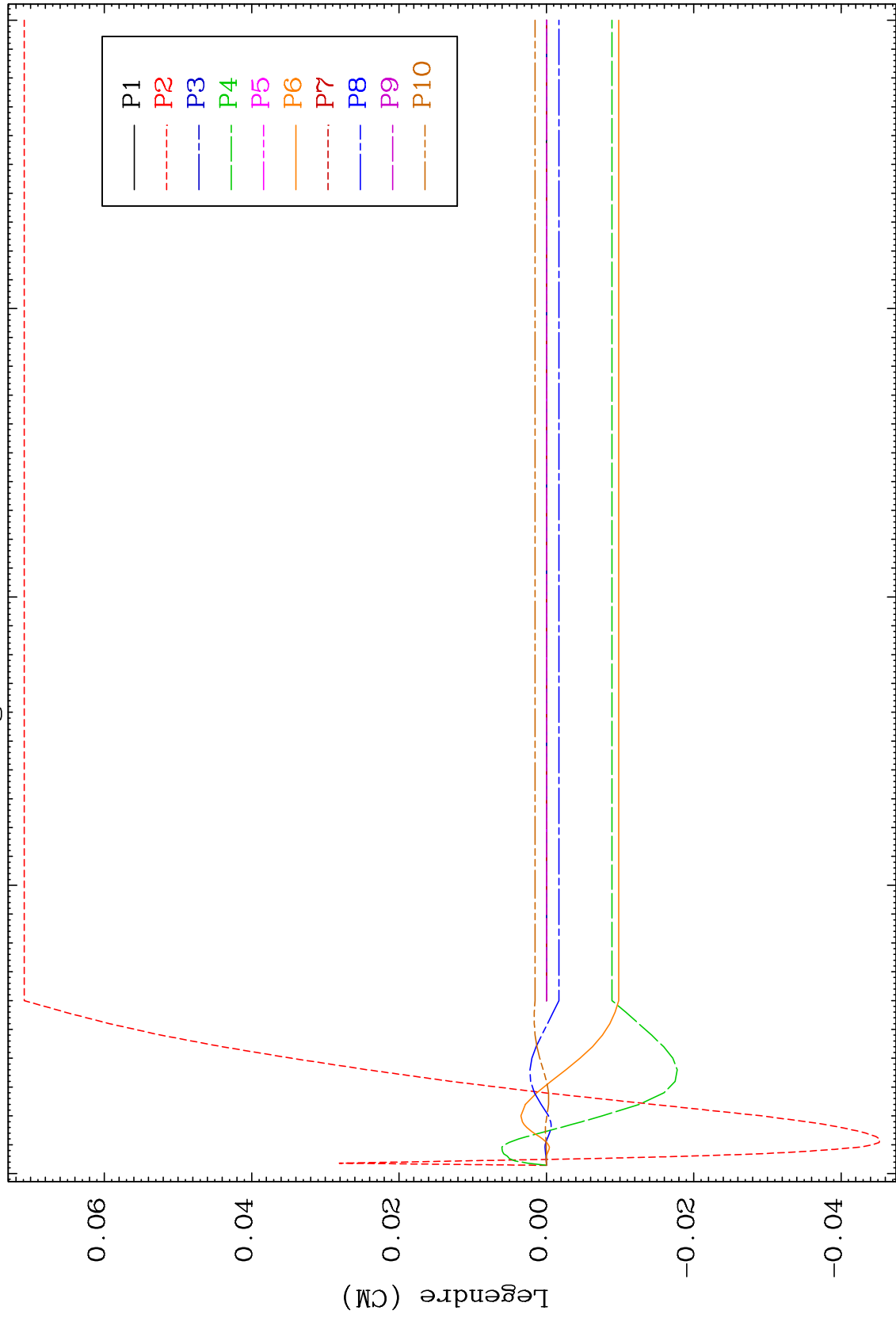
119

68-Er-170

MAT 6849

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

68-Er-170



68-Er-170

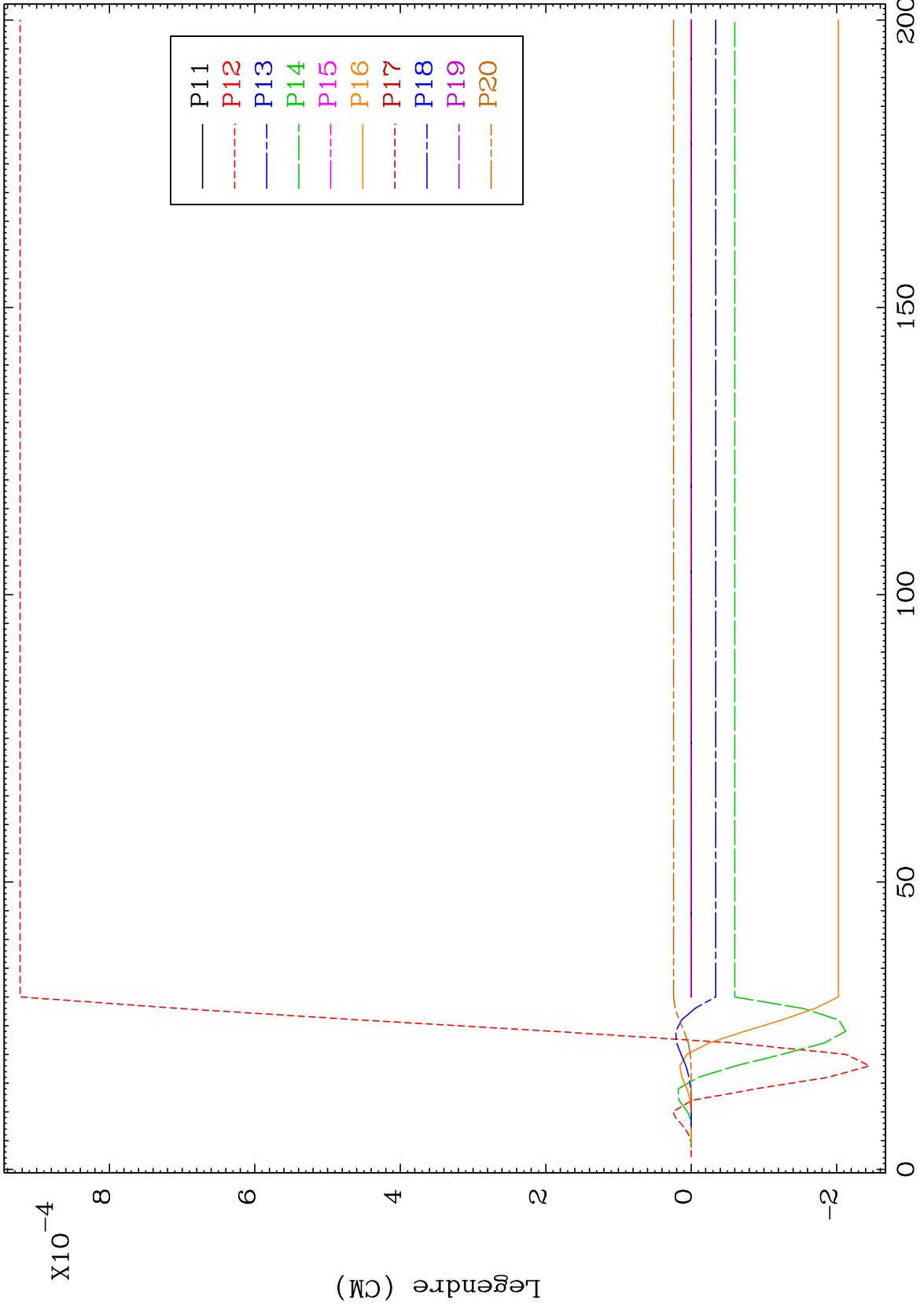
Incident Energy (MeV)

120

MAT 6849

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

68-Er-170



121

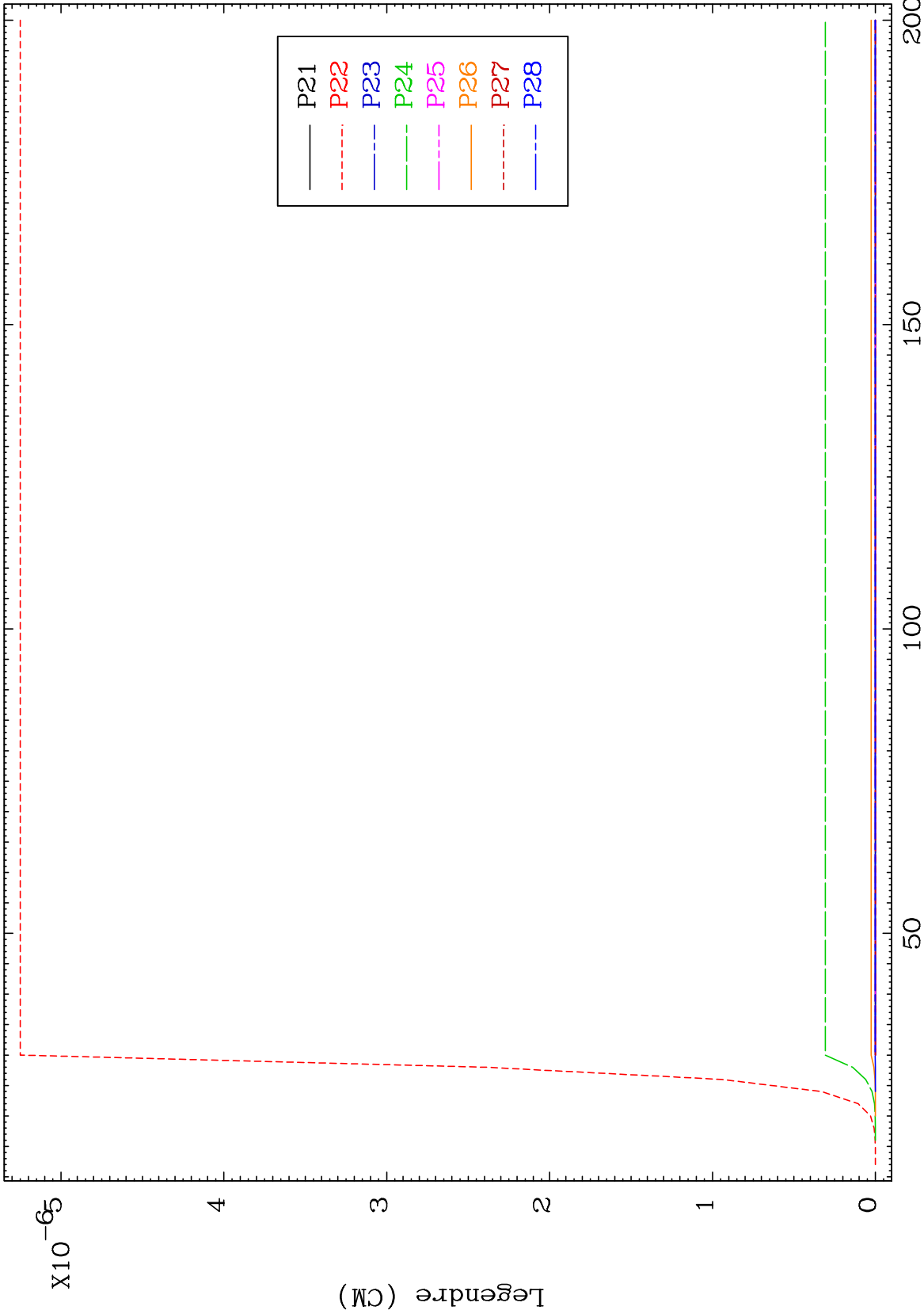
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



122

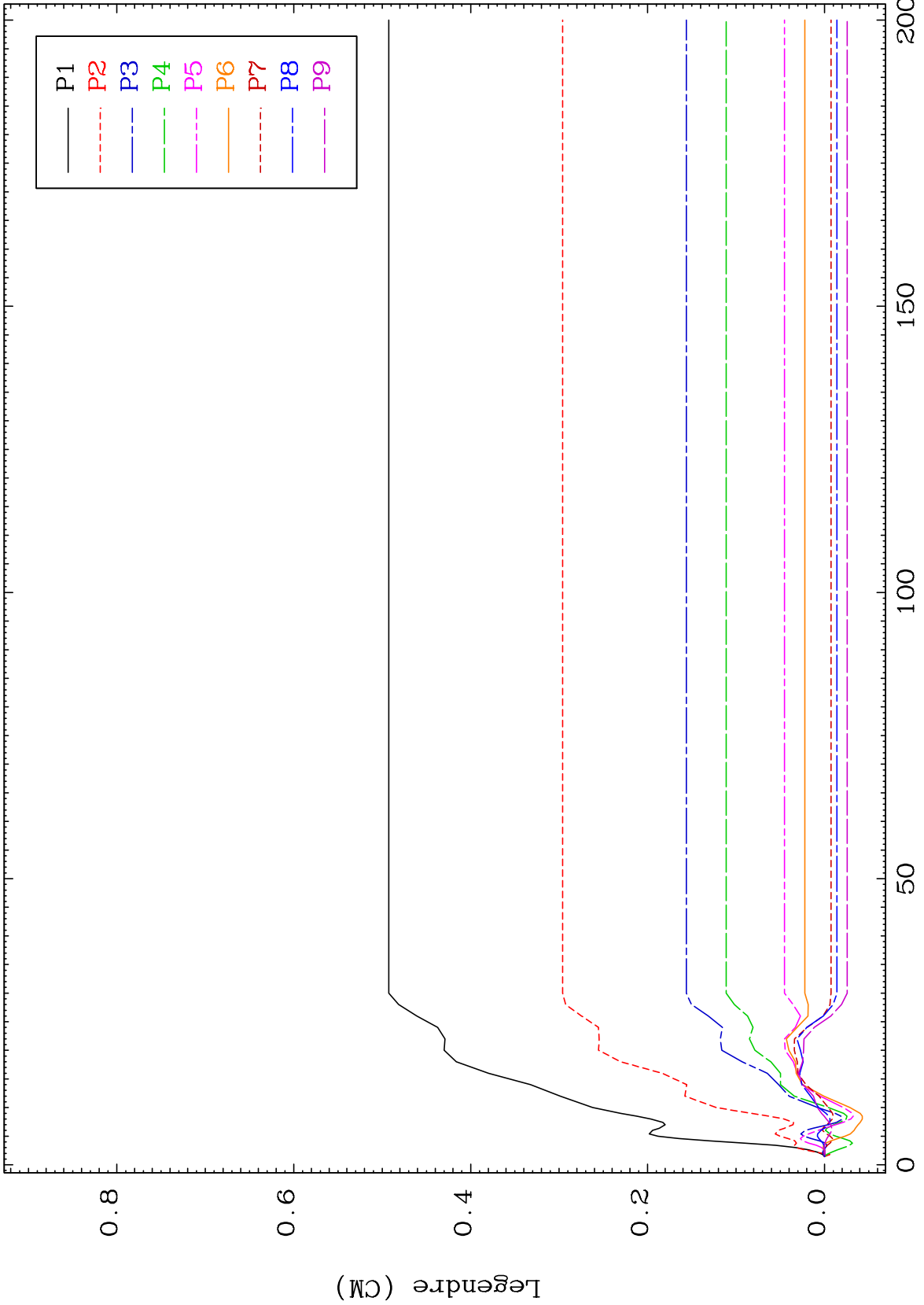
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



123

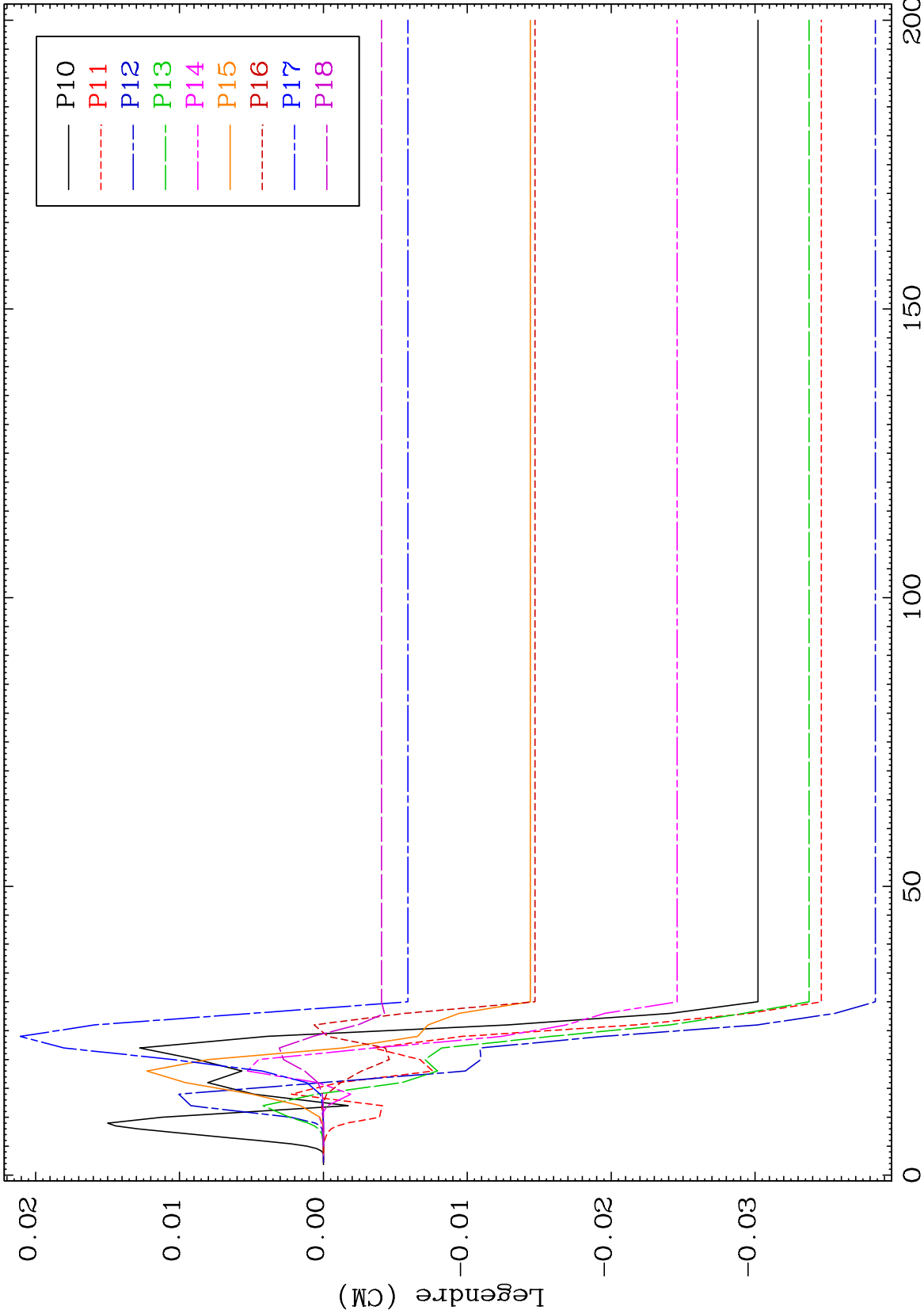
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



124

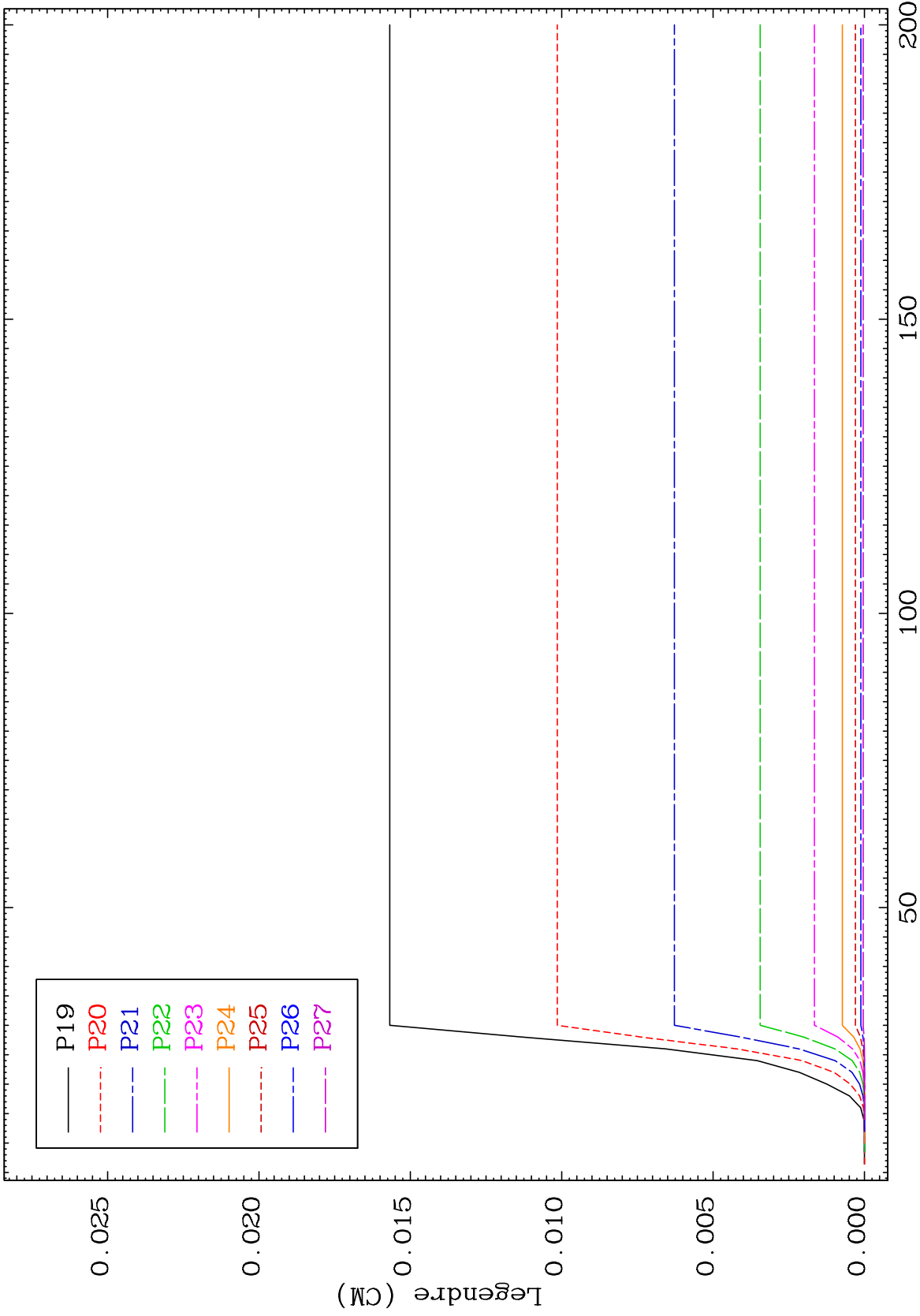
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



125

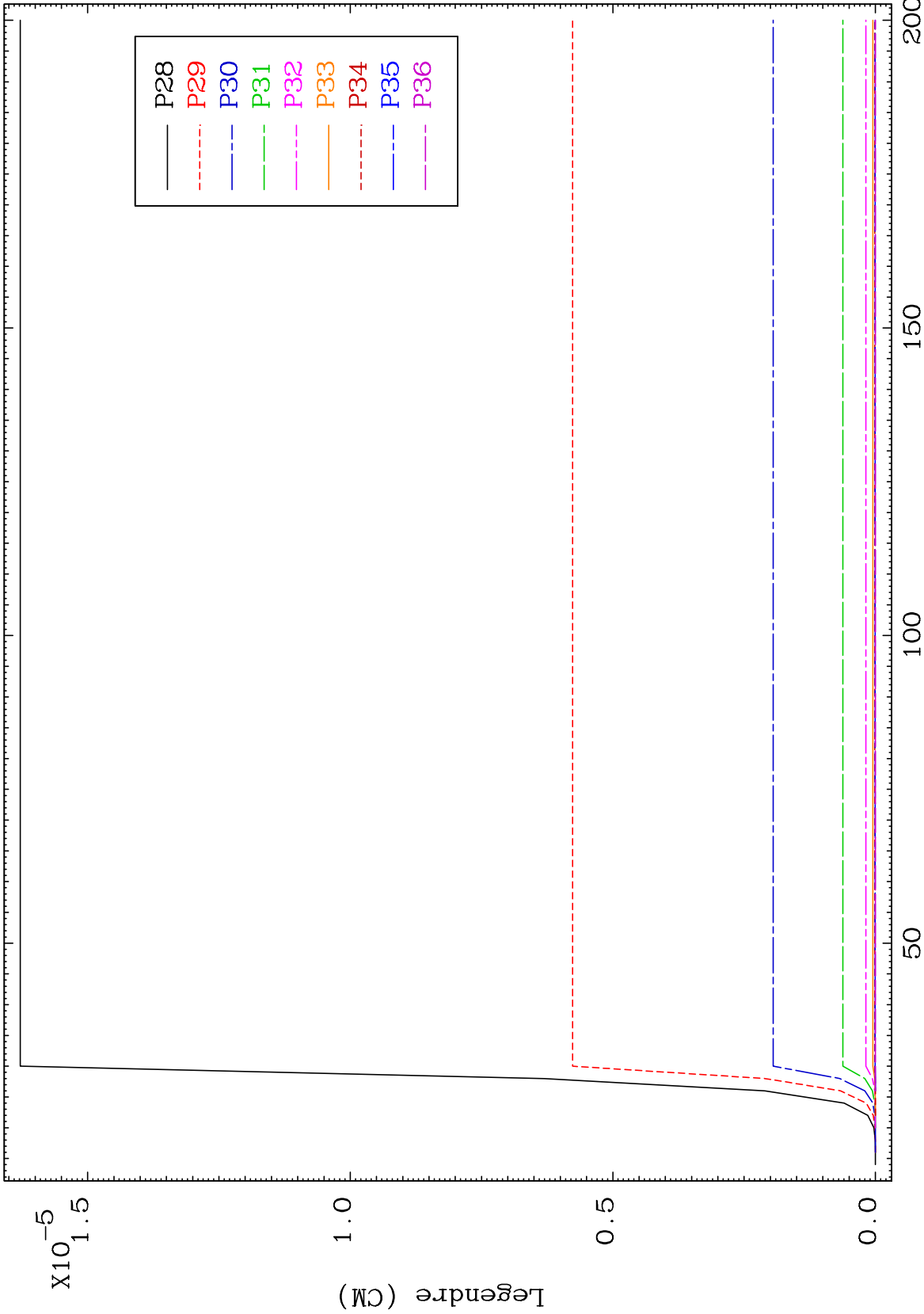
Incident Energy (MeV)

68-Er-170

MAT 6849

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

68-Er-170



126

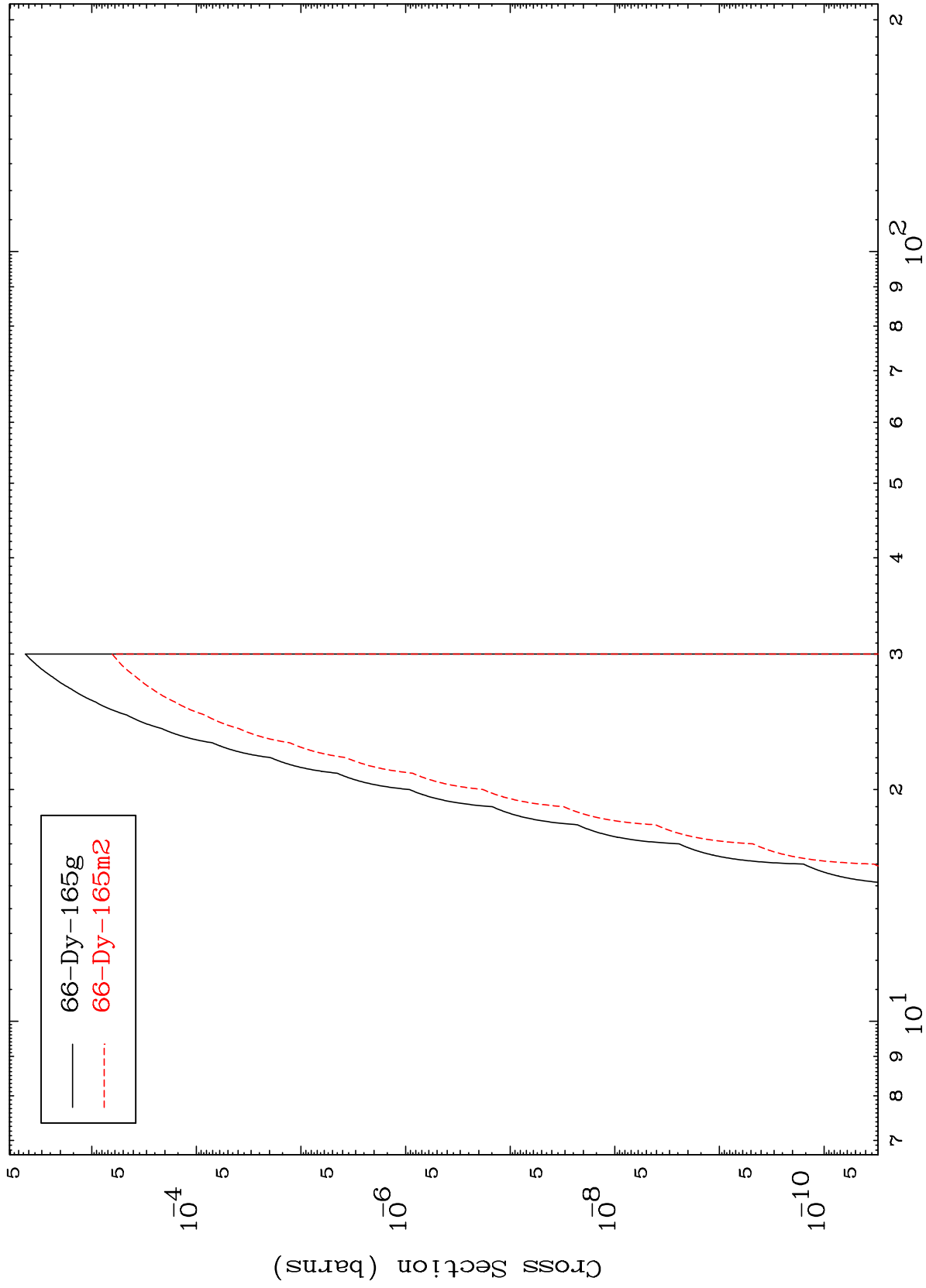
68-Er-170

MAT 6849

(n,2n) α

68-Er-170

Radionuclide Production Cross Section

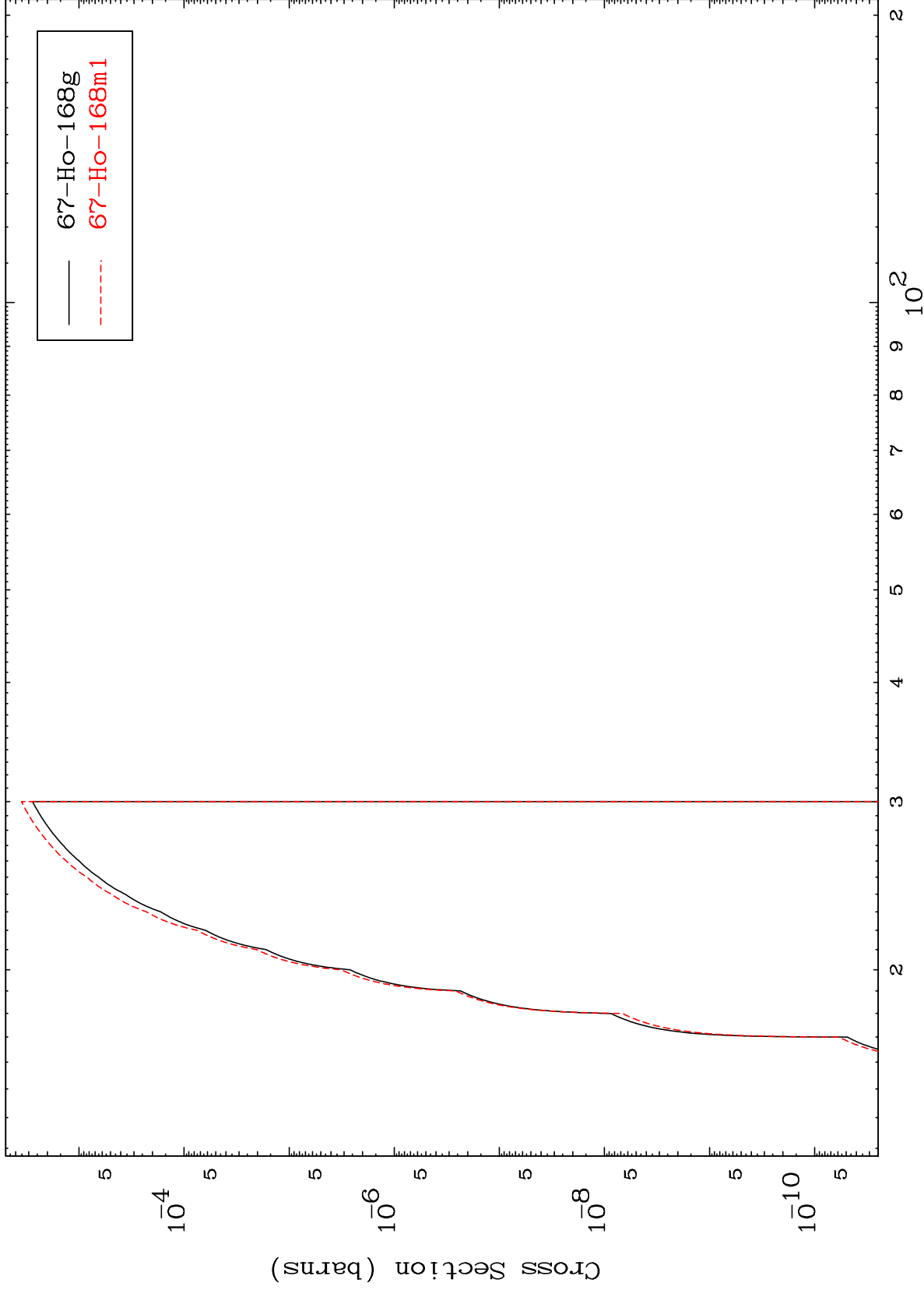


127

Incident Energy (MeV)

68-Er-170

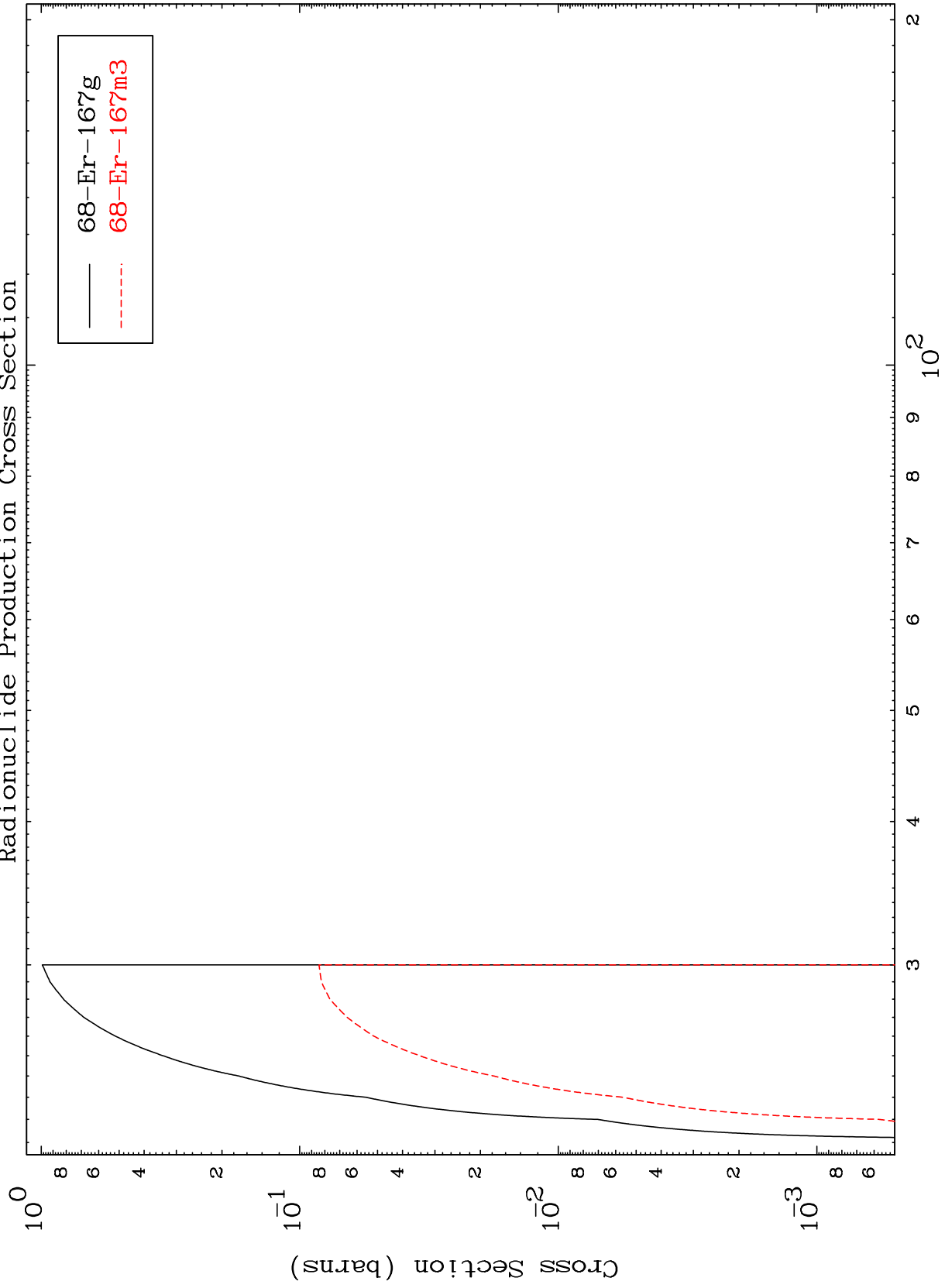
Radionuclide Production Cross Section



MAT 6849

68-Er-170

(n,4n)
Radionuclide Production Cross Section



129

Incident Energy (MeV)

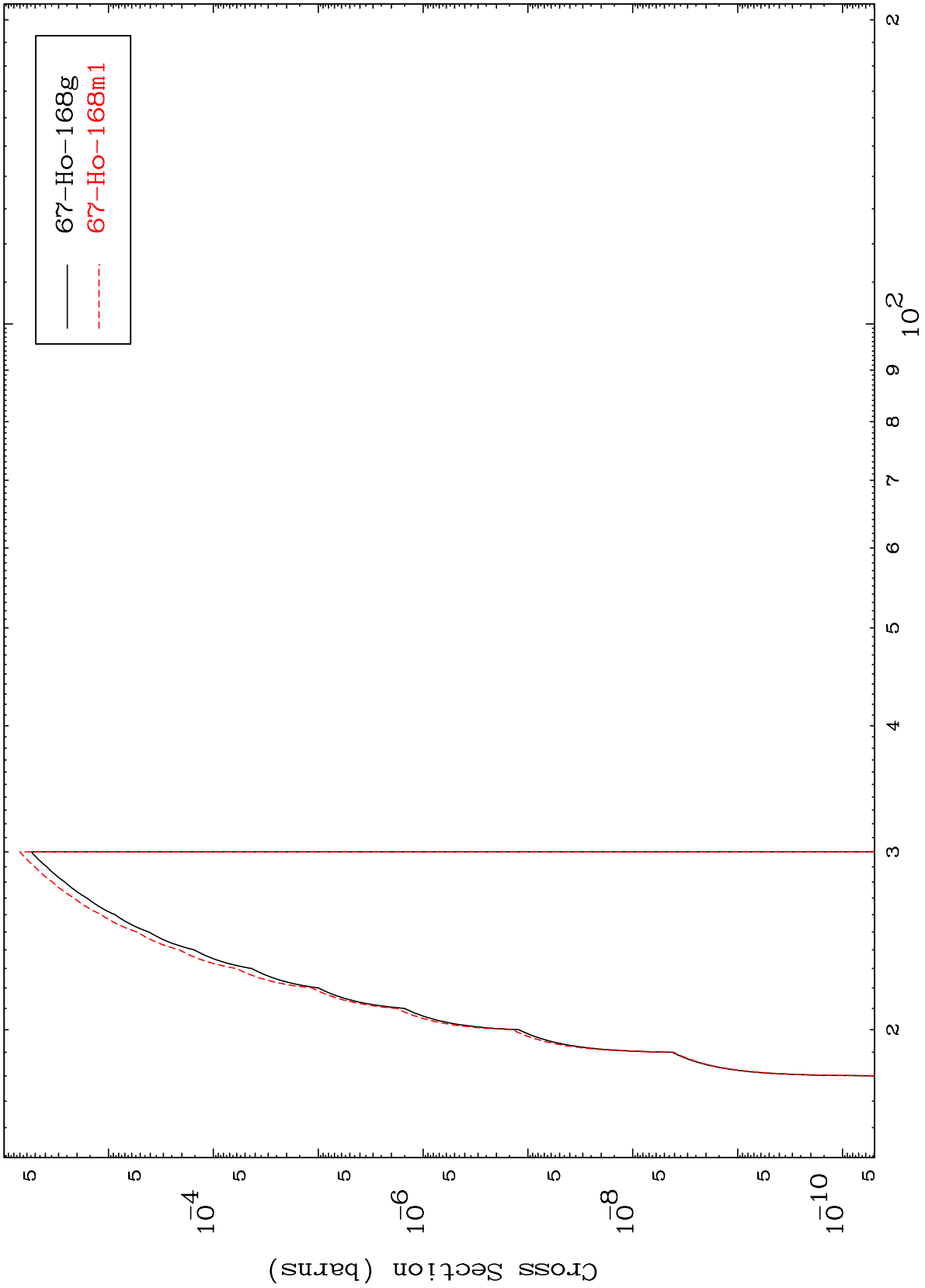
68-Er-170

MAT 6849

(n,2n) p

68-Er-170

Radionuclide Production Cross Section



130

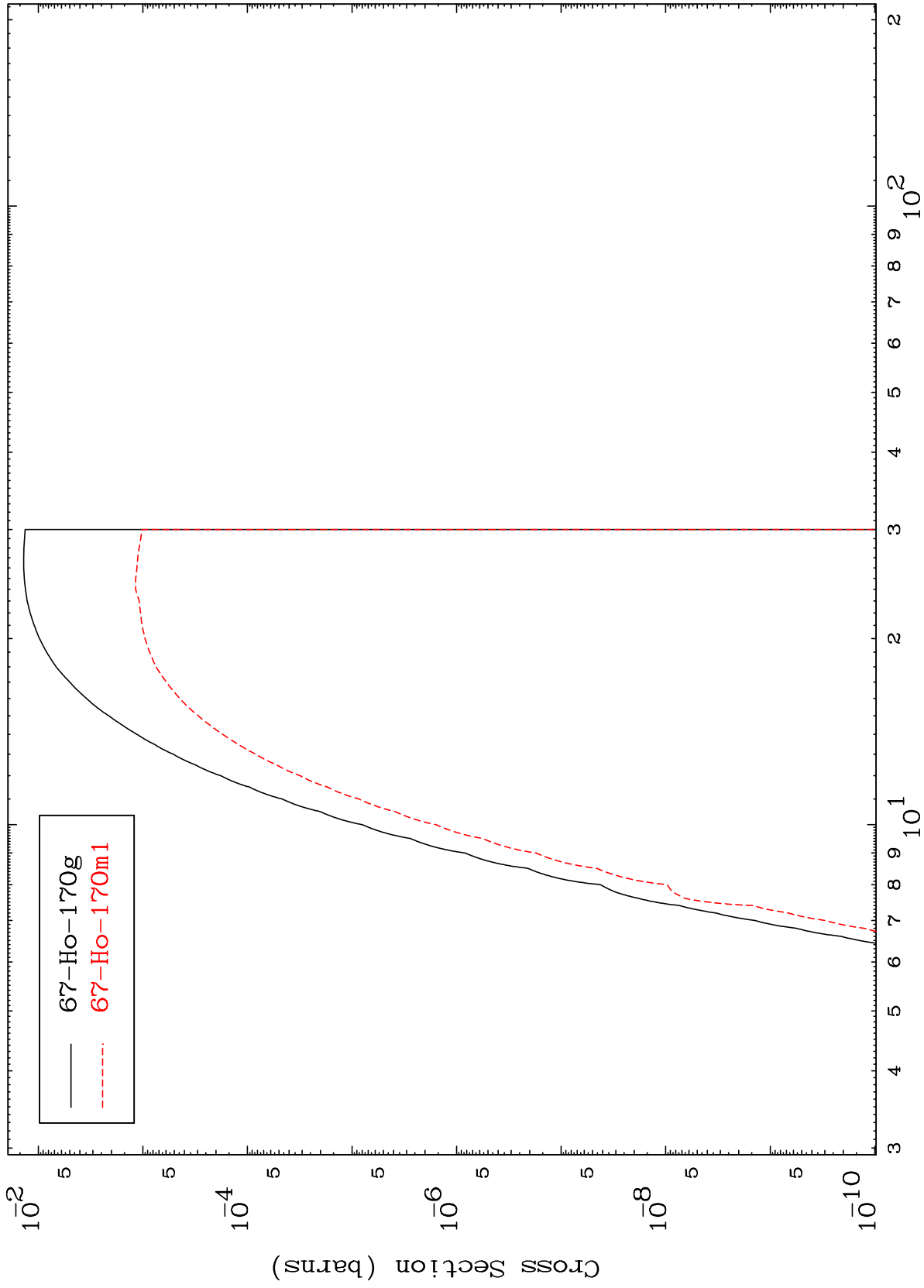
Incident Energy (MeV)

68-Er-170

MAT 6849

68-Er-170

(n,p)
Radionuclide Production Cross Section



131

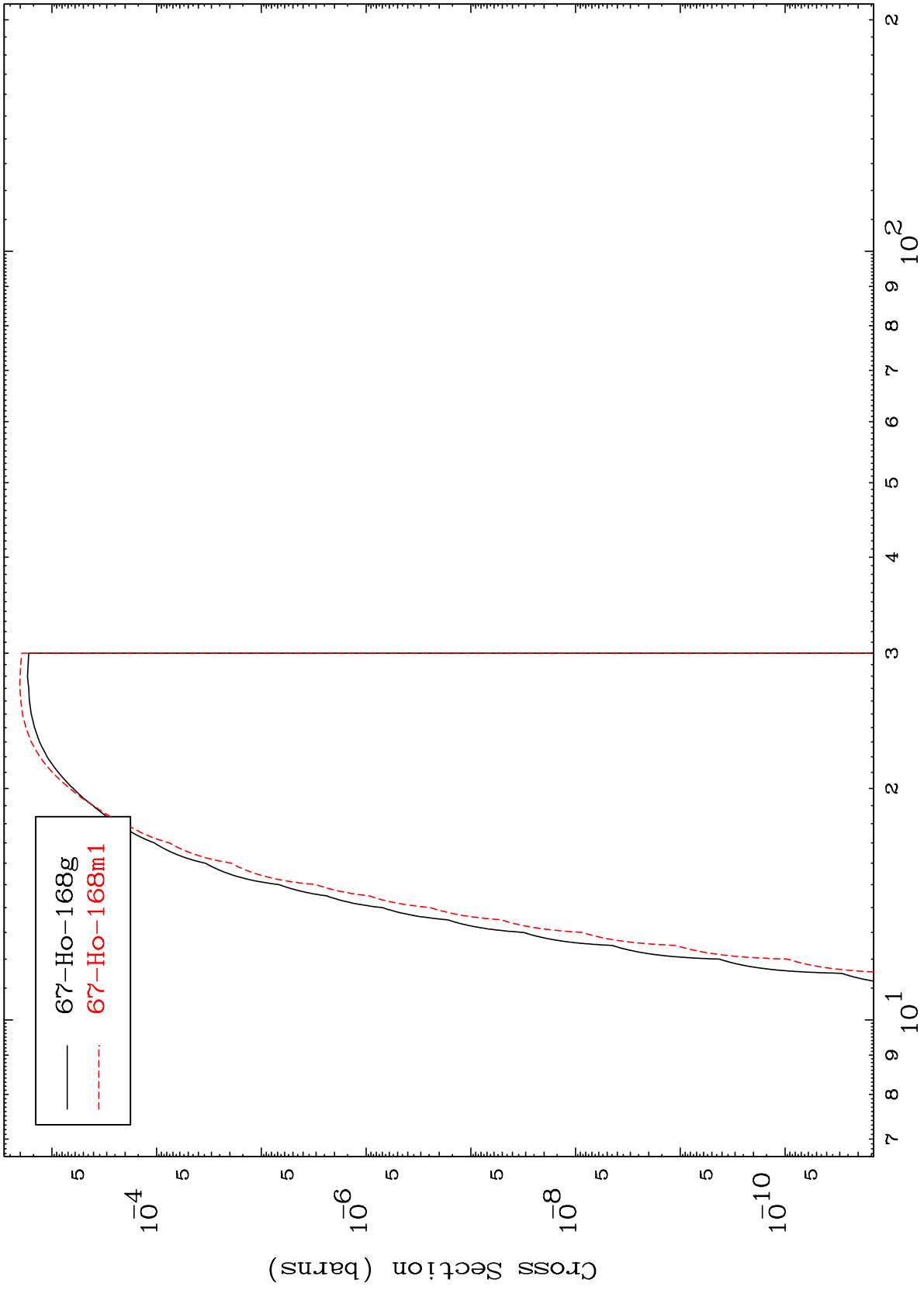
Incident Energy (MeV)

68-Er-170

MAT 6849

68-Er-170

(n, t)
Radionuclide Production Cross Section



132

Incident Energy (MeV)

68-Er-170