

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

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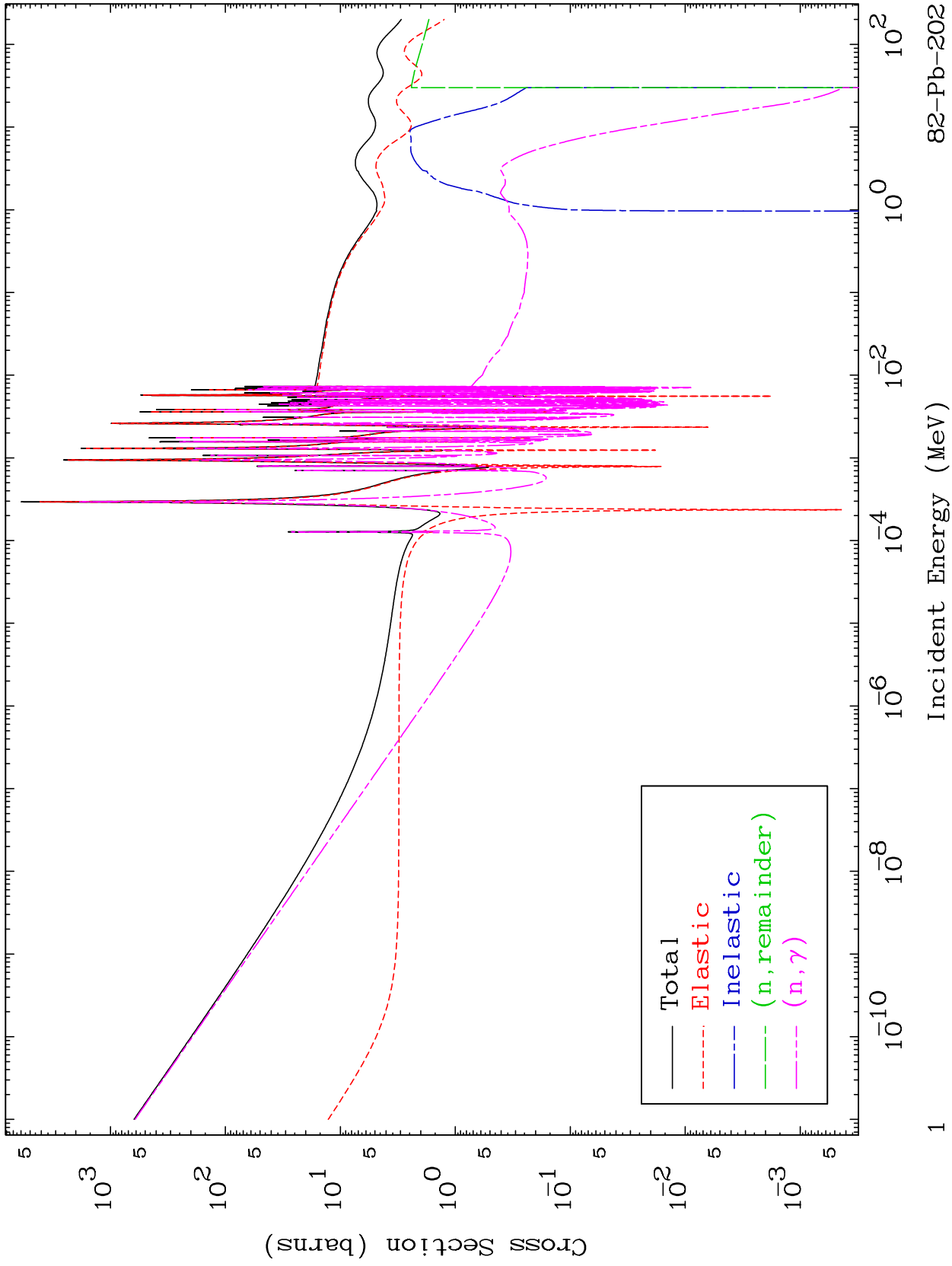
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8219

Major
293 Kelvin Cross Sections

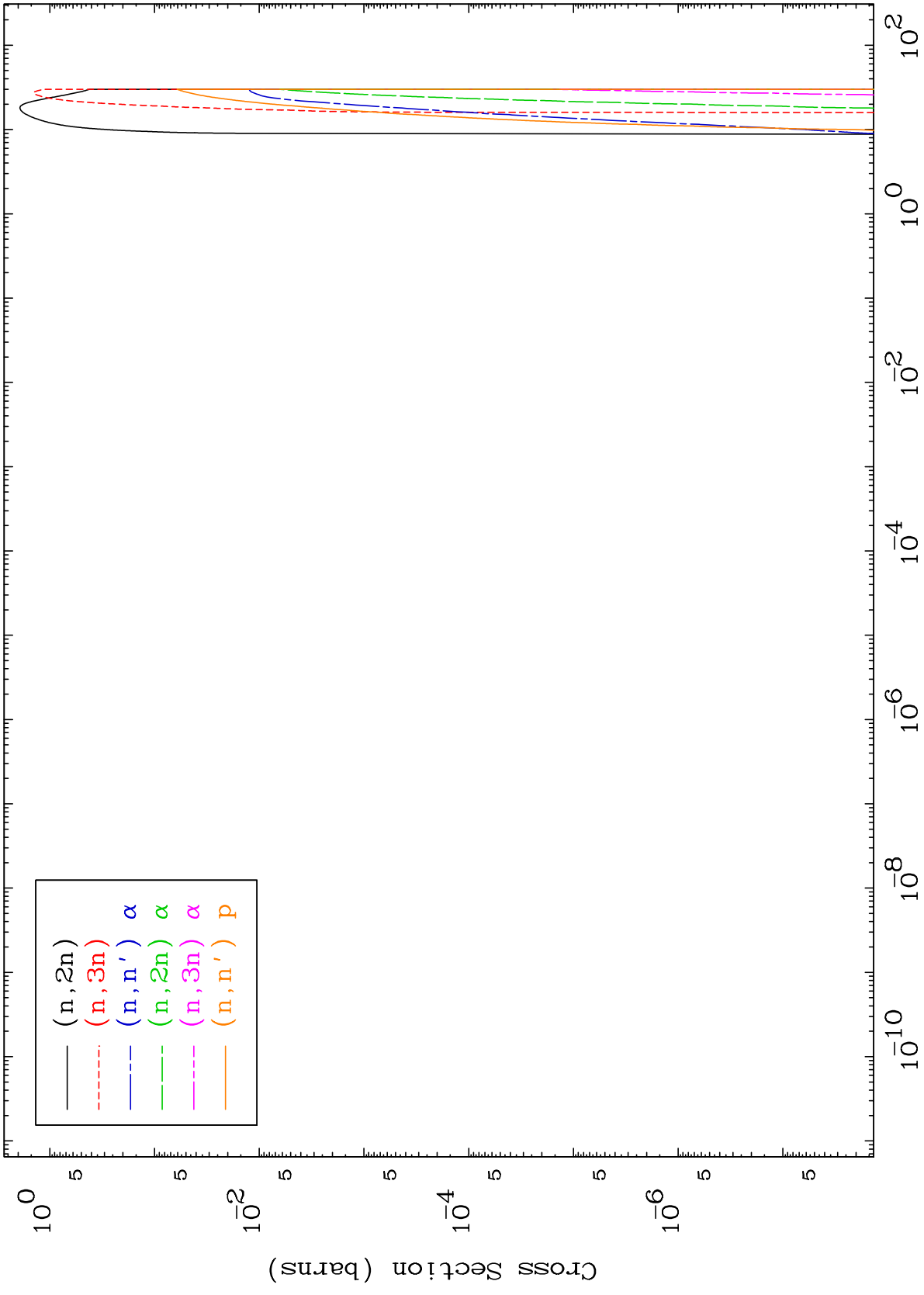
82-Pb-202

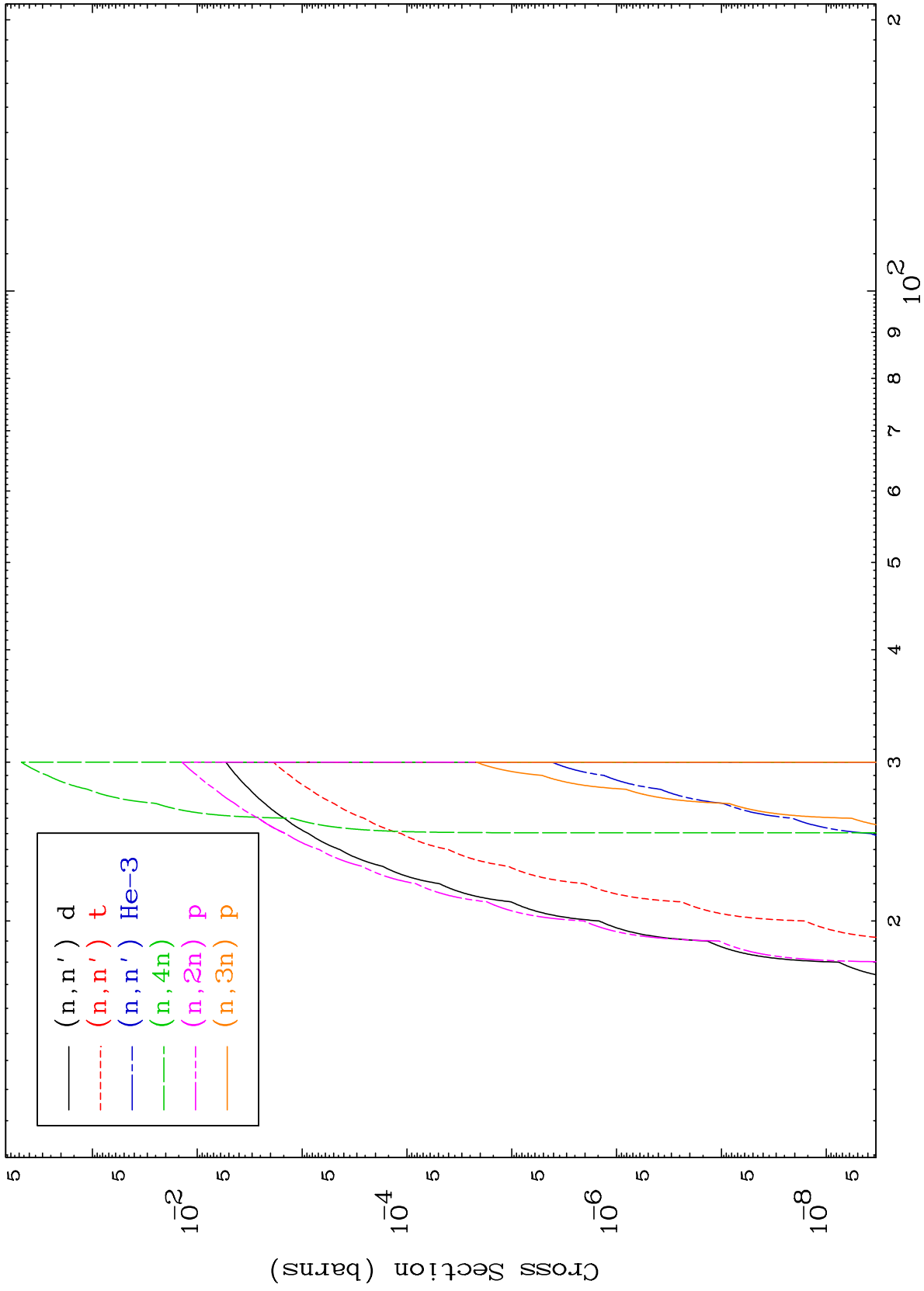


MAT 8219

Neutron Production
293 Kelvin Cross Sections

82-Pb-202

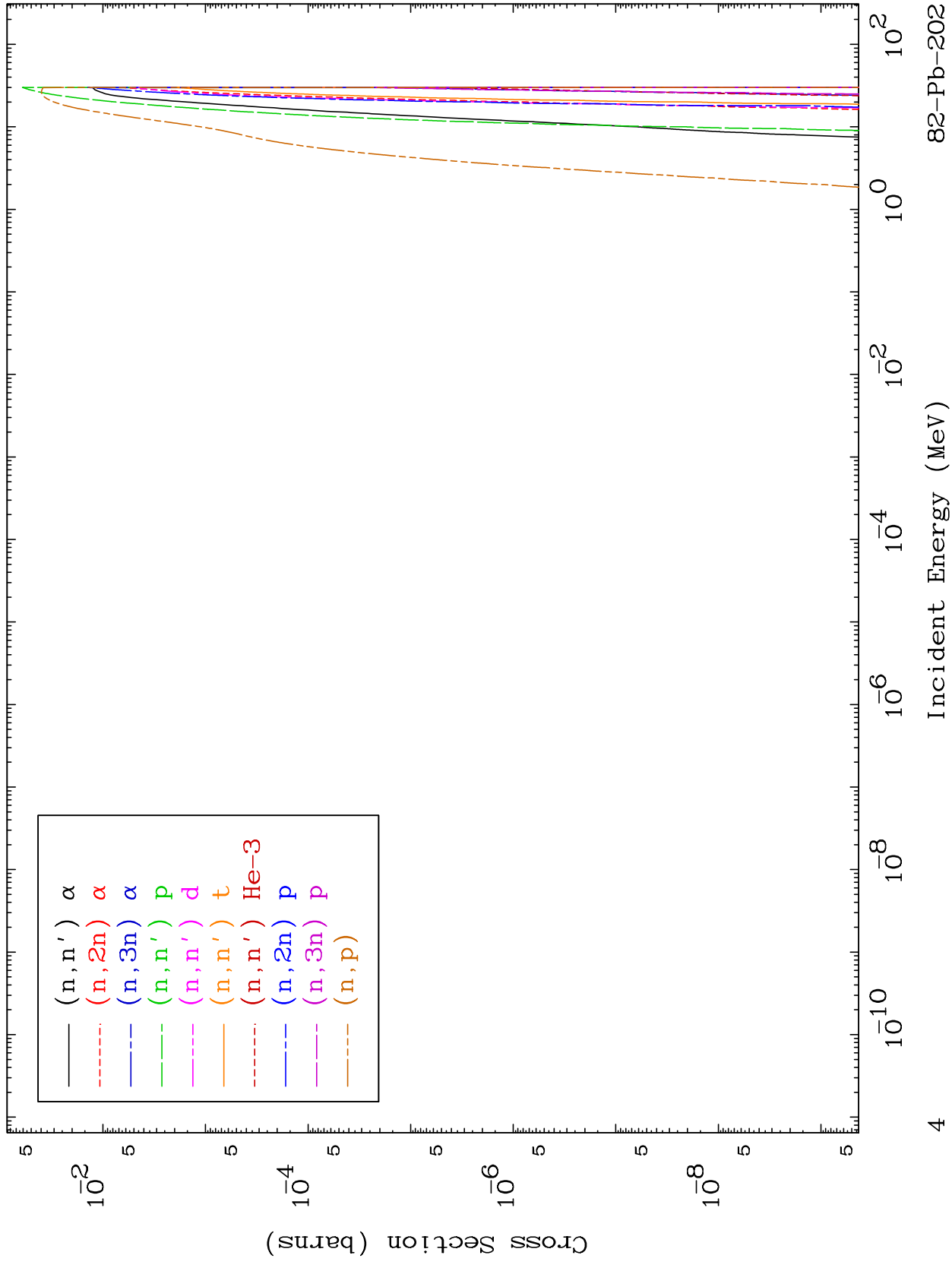




MAT 8219

Charged Particle
293 Kelvin Cross Sections

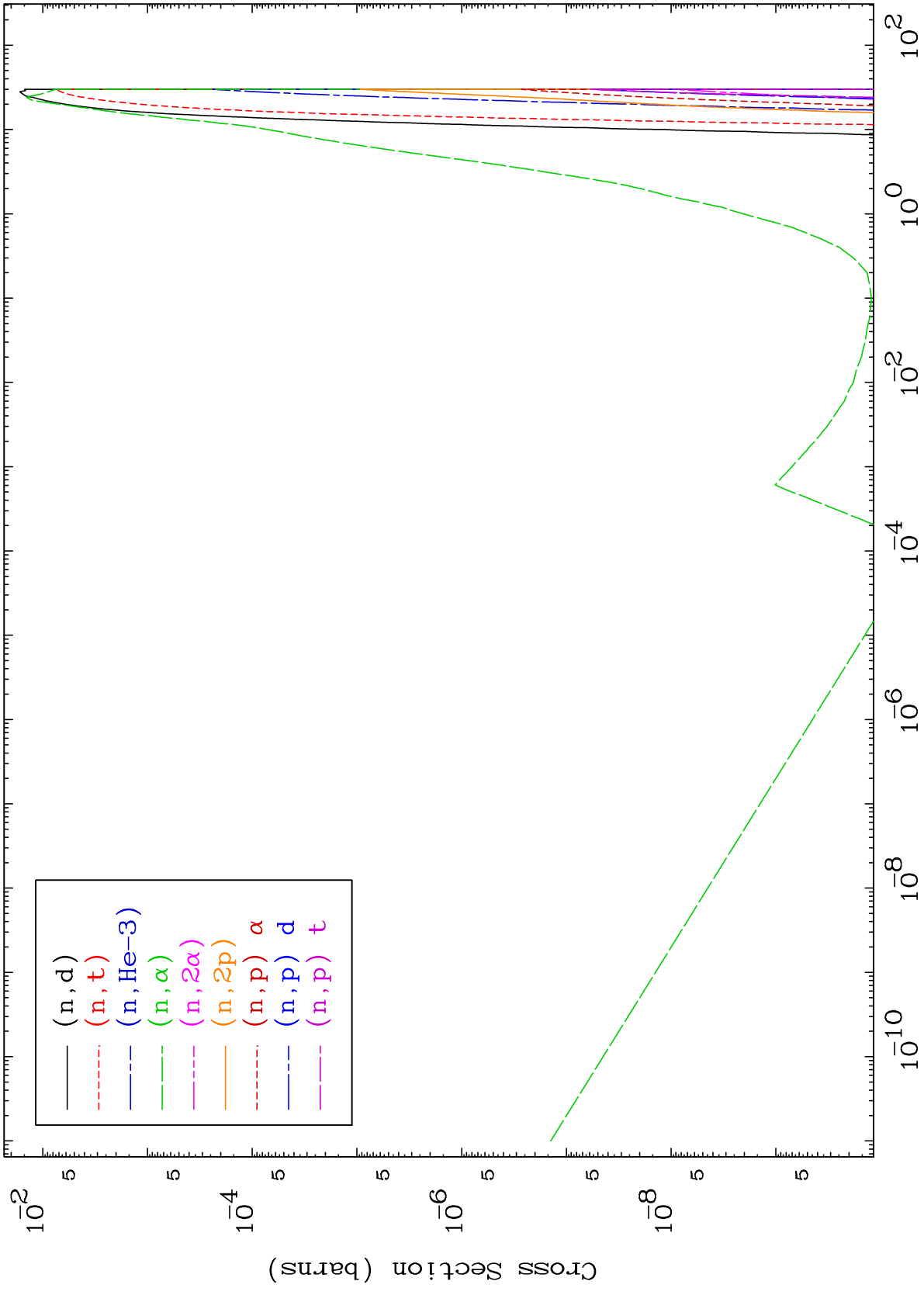
82-Pb-202



MAT 8219

293 Kelvin Cross Sections

82-Pb-202

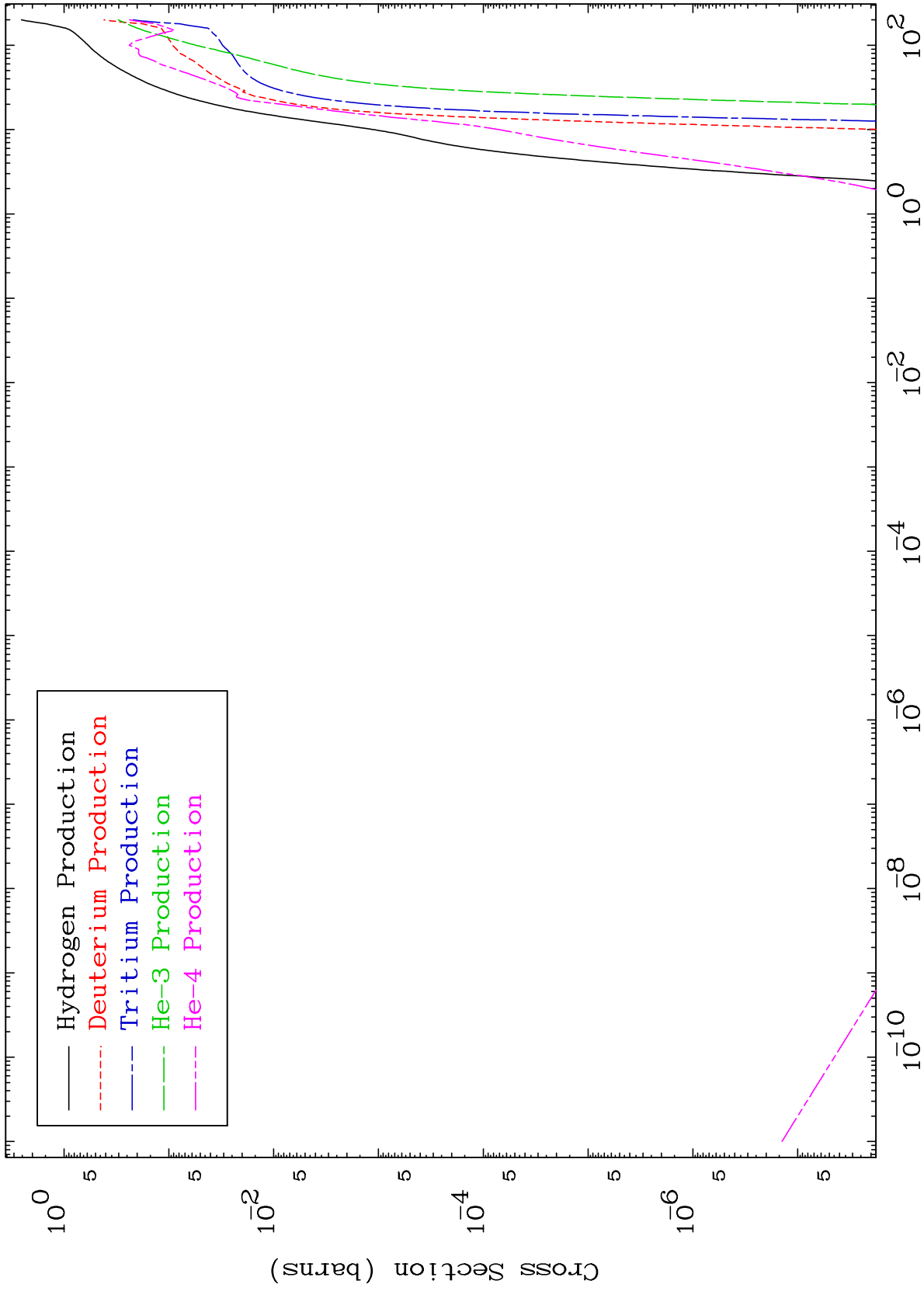


82-Pb-202

MAT 8219

Particle Production
293 Kelvin Cross Sections

82-Pb-202



6

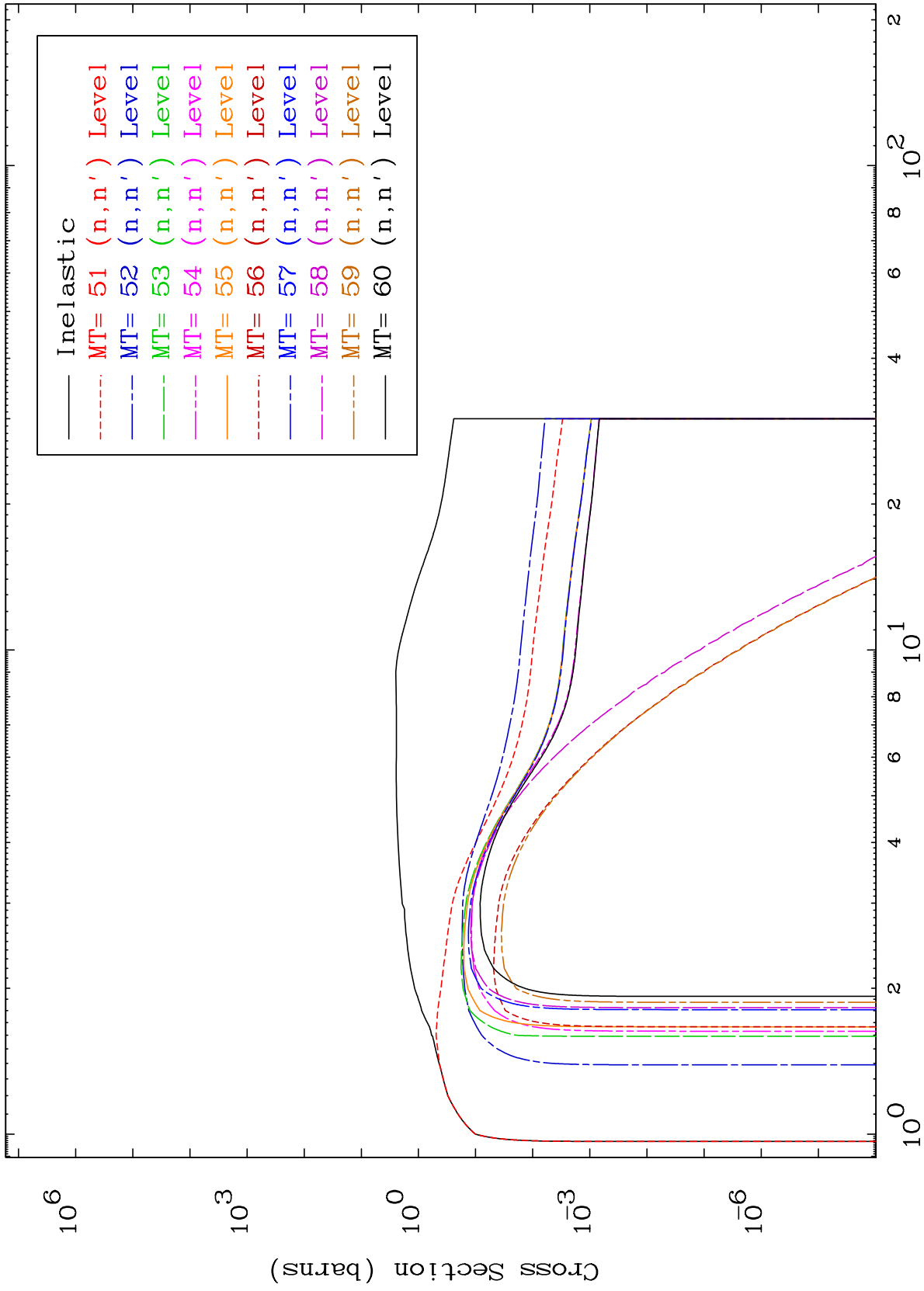
82-Pb-202

MAT 8219

(n,n') Level

82-Pb-202

293 Kelvin Cross Sections



Incident Energy (MeV)

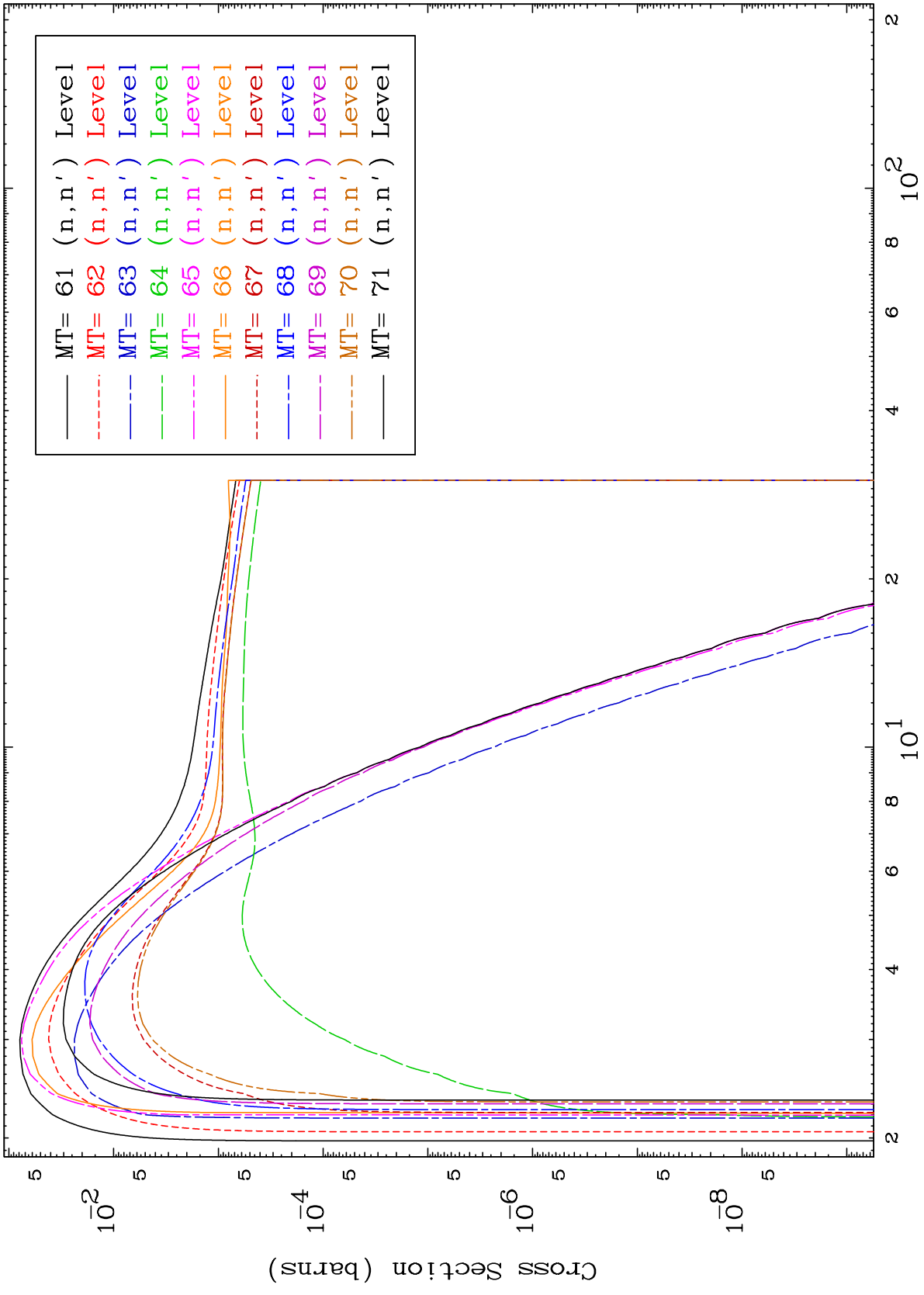
82-Pb-202

MAT 8219

(n,n') Level

82-Pb-202

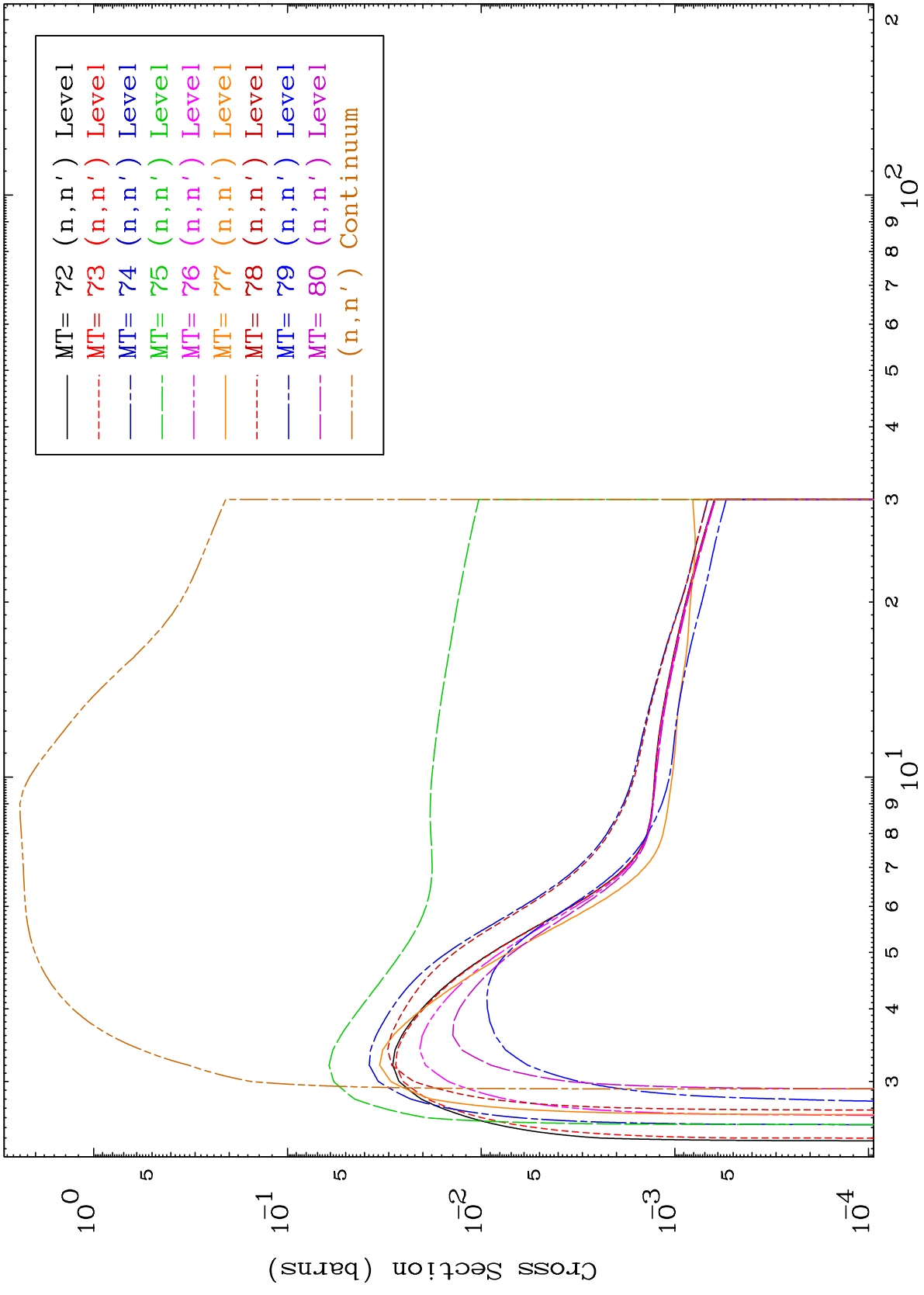
293 Kelvin Cross Sections



8

Incident Energy (MeV)

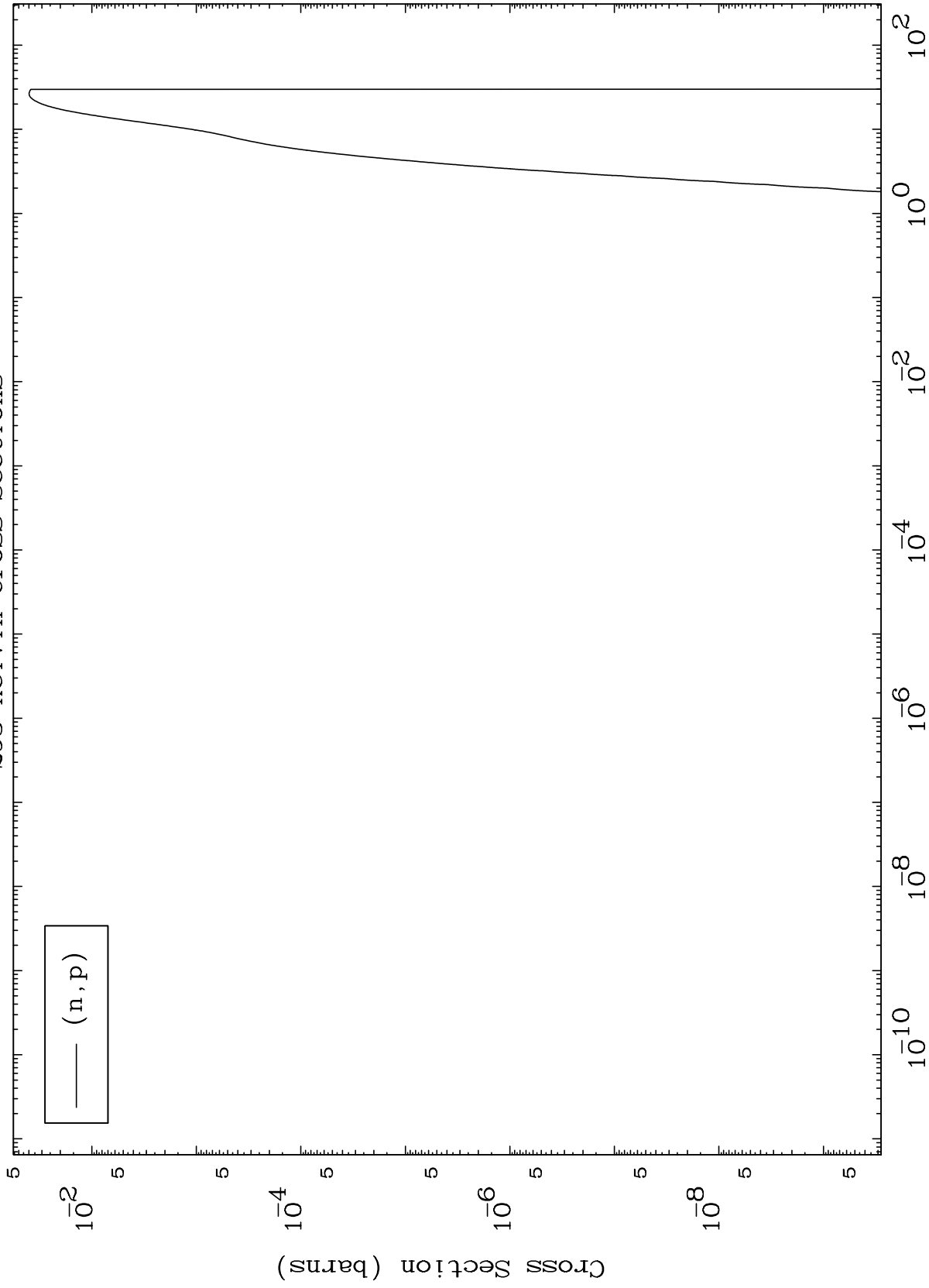
82-Pb-202



MAT 8219

(n,p) Levels
293 Kelvin Cross Sections

82-Pb-202



10

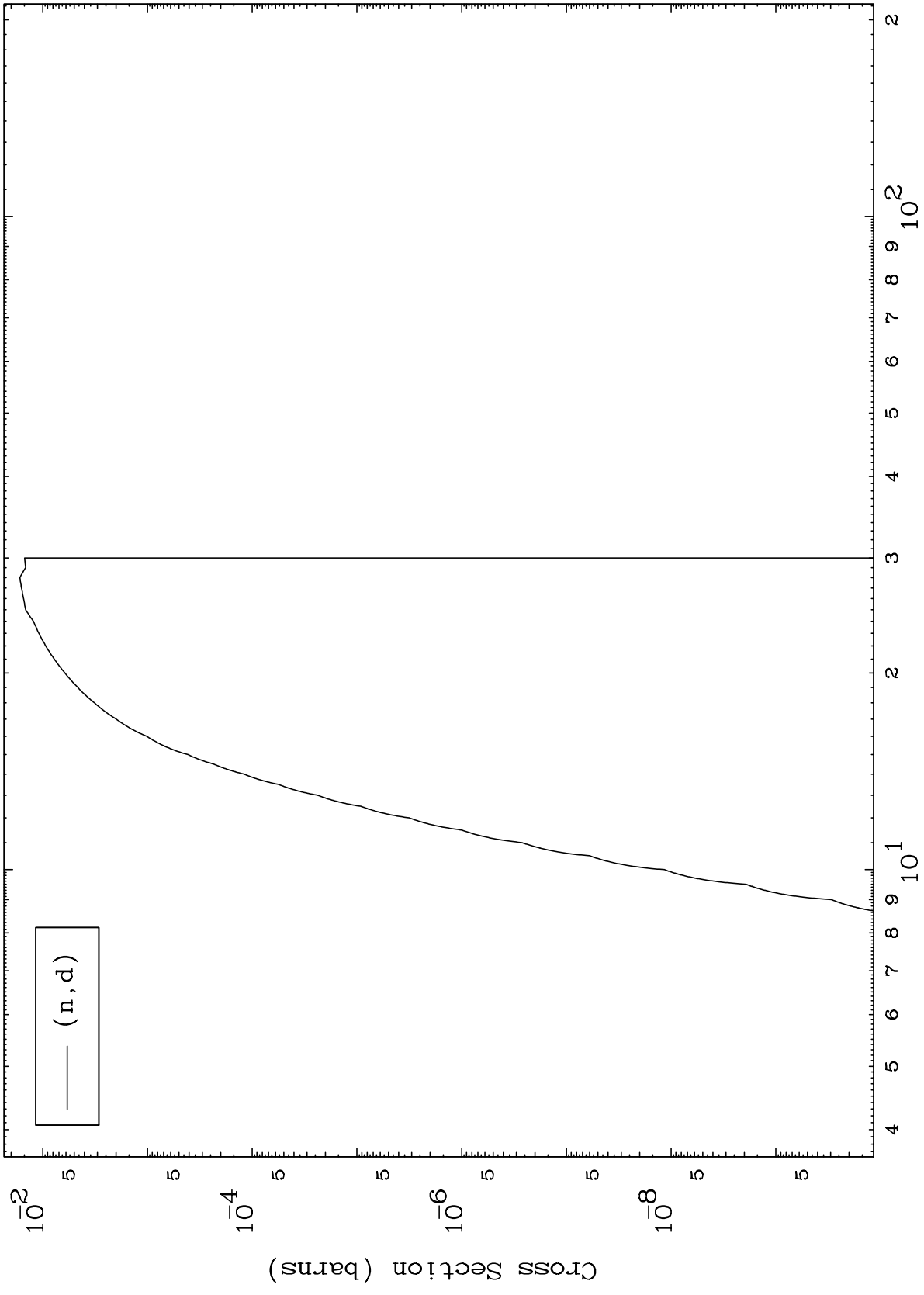
Incident Energy (MeV)

82-Pb-202

MAT 8219

(n,d) Levels
293 Kelvin Cross Sections

82-Pb-202

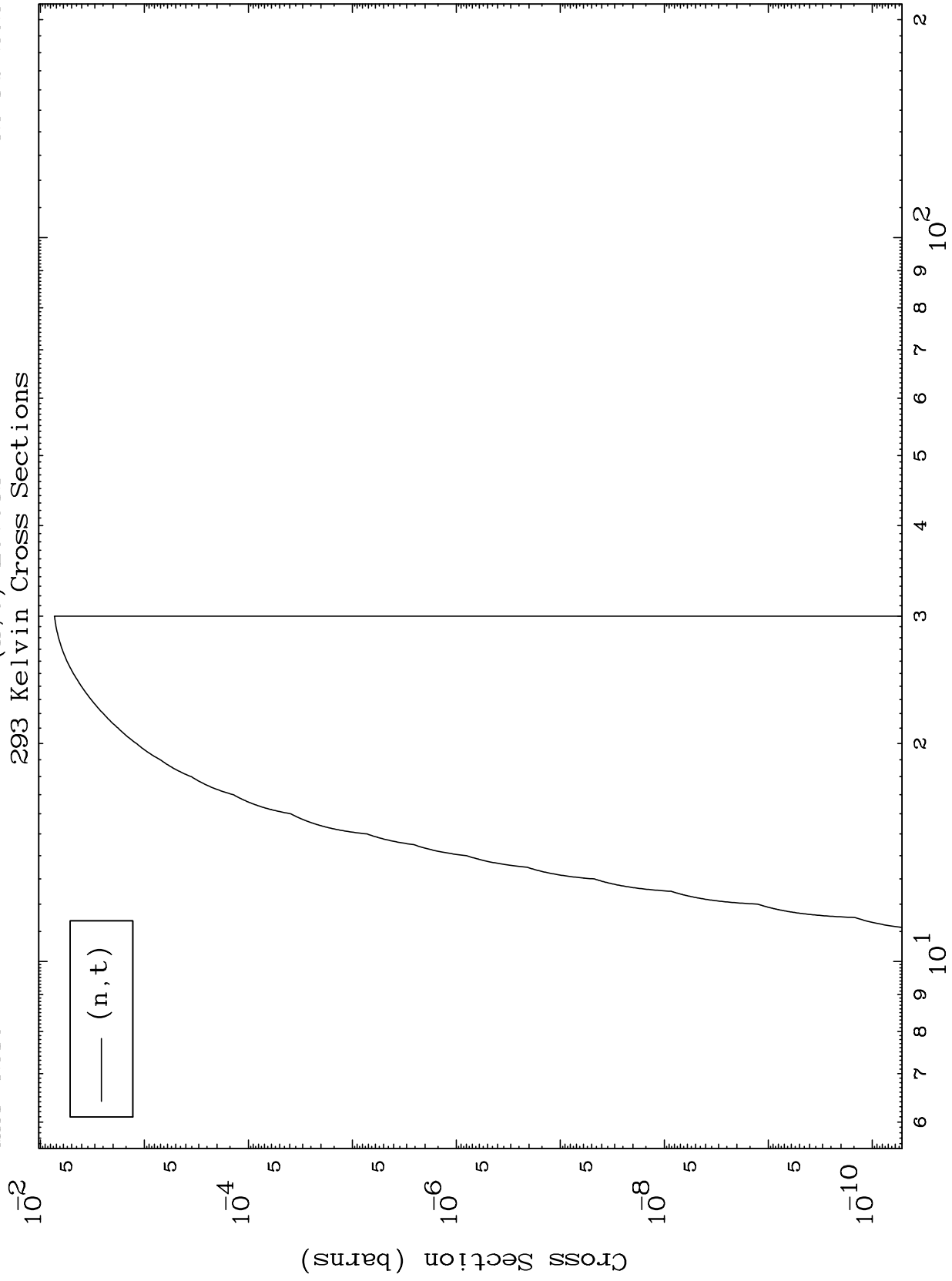


(n,d)

MAT 8219

(n,t) Levels
293 Kelvin Cross Sections

82-Pb-202



12

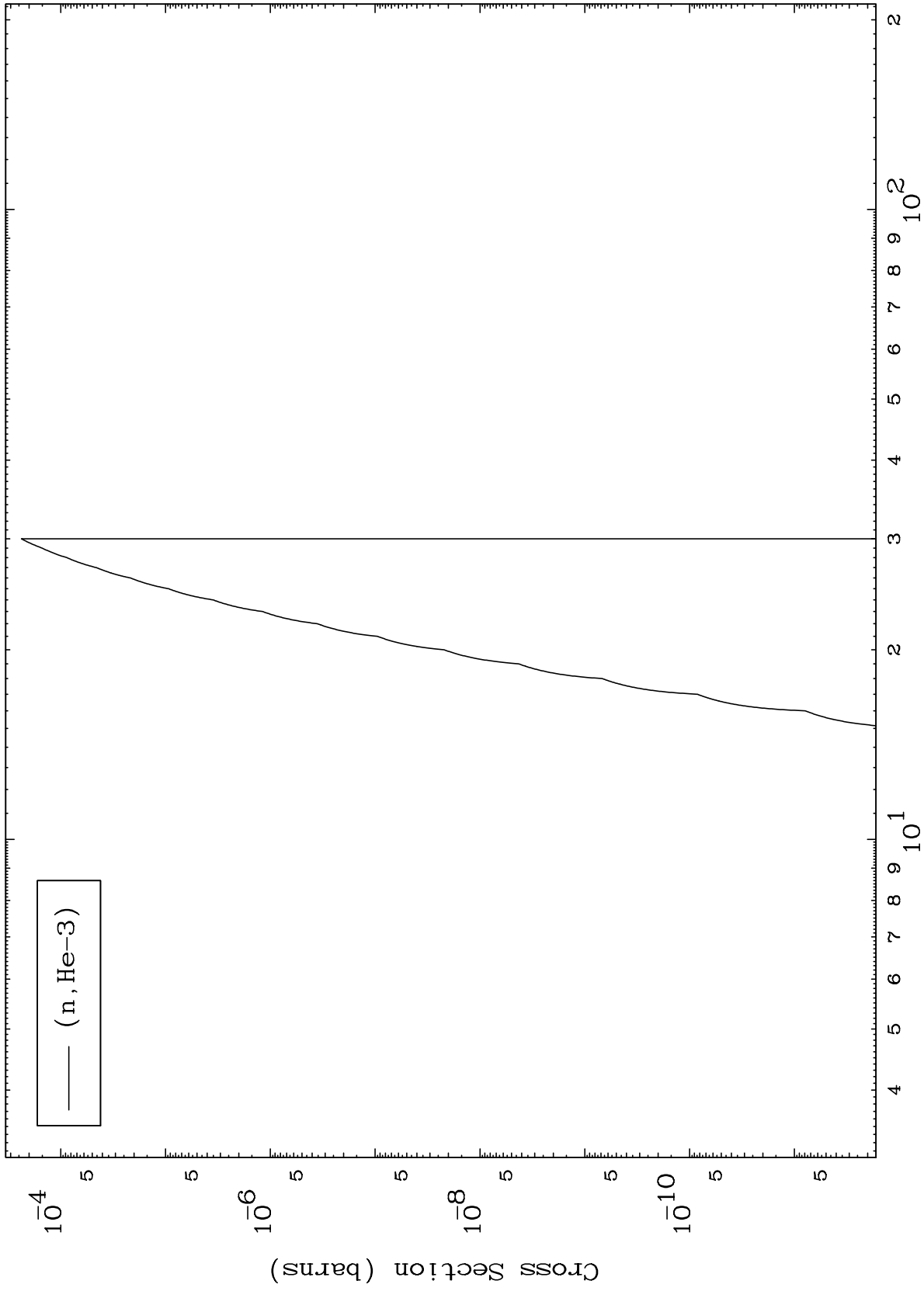
Incident Energy (MeV)

82-Pb-202

MAT 8219

(n,He3) Levels
293 Kelvin Cross Sections

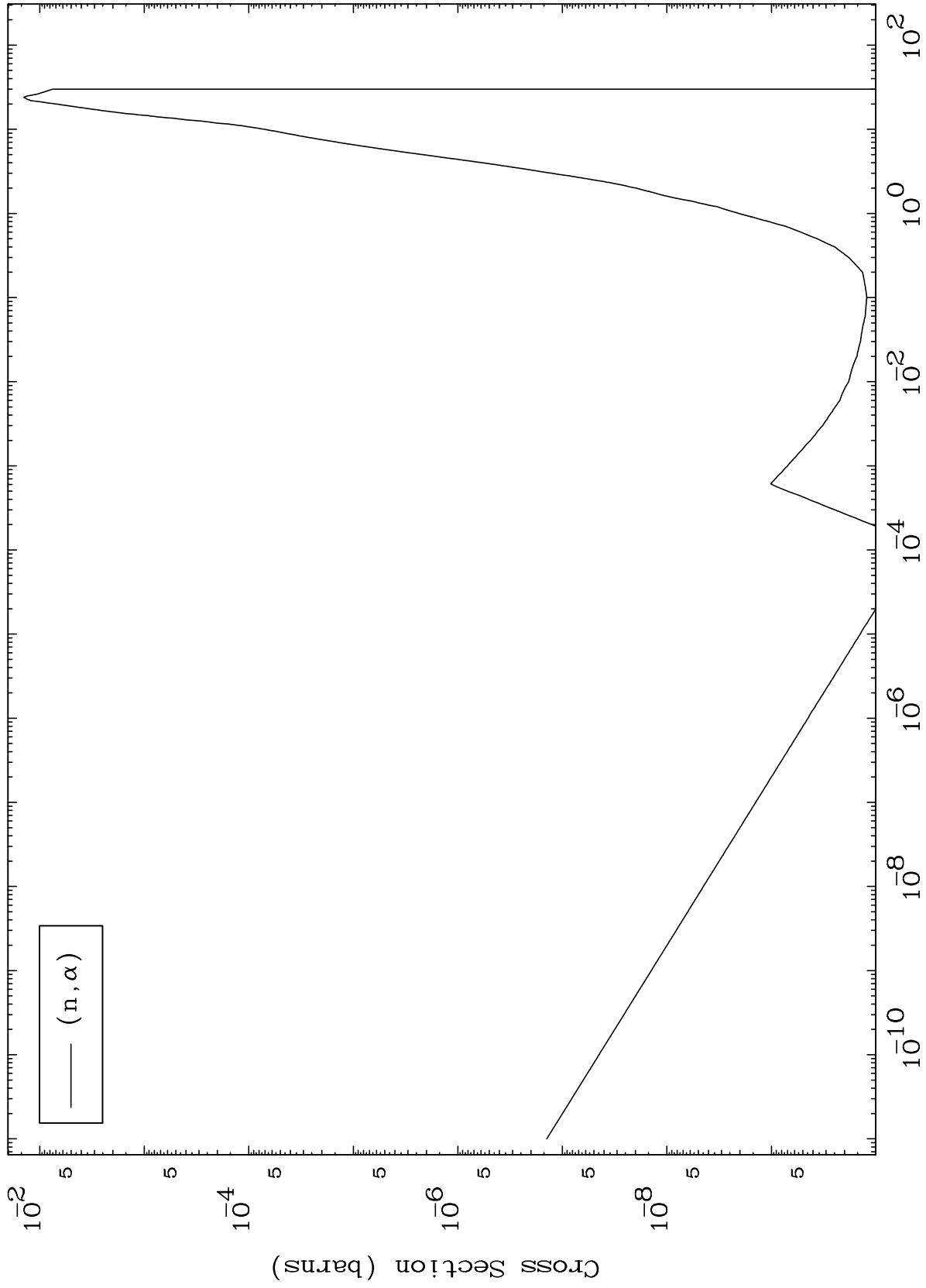
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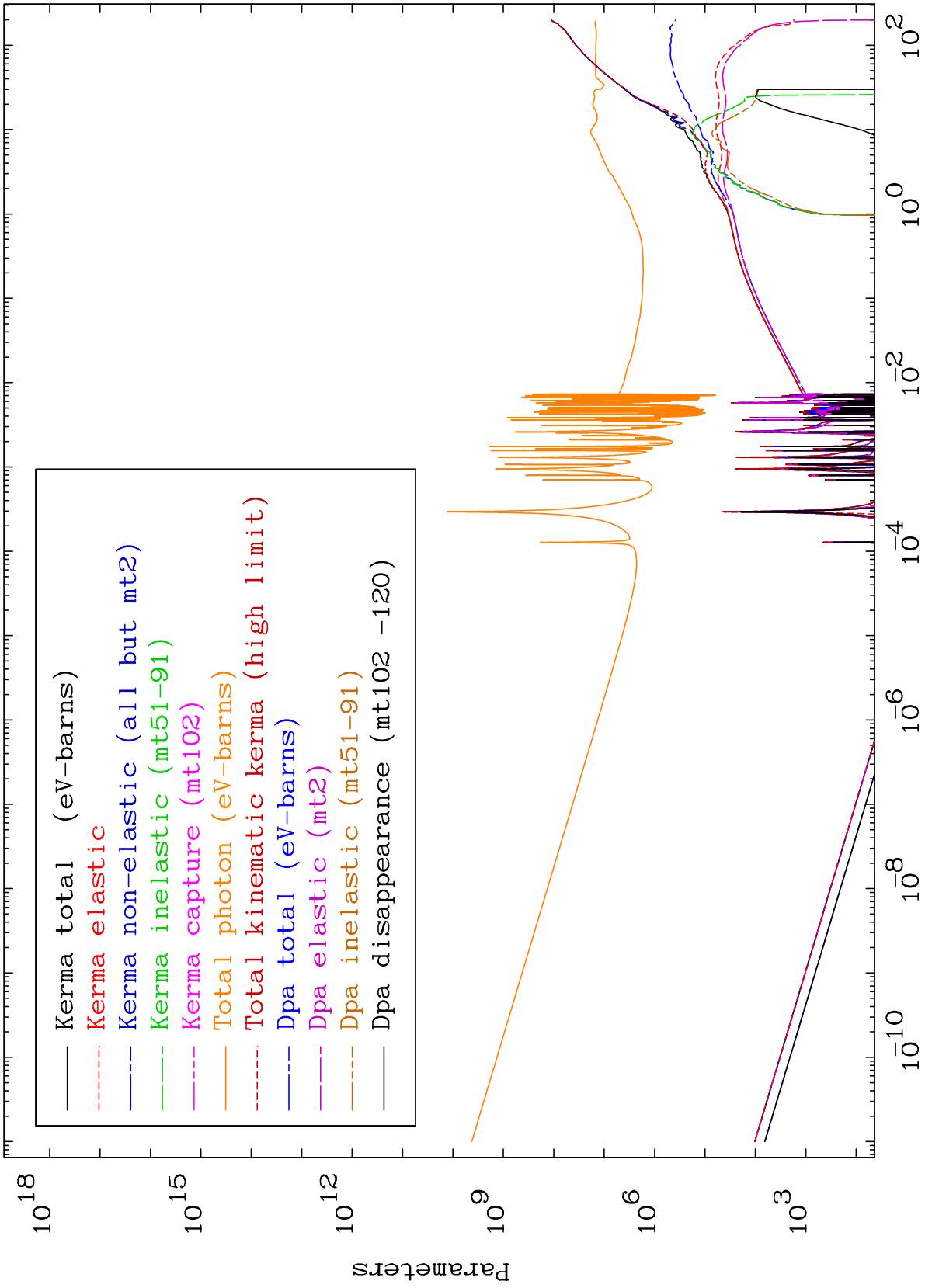


MAT 8219

(n,α) Levels
293 Kelvin Cross Sections

82-Pb-202

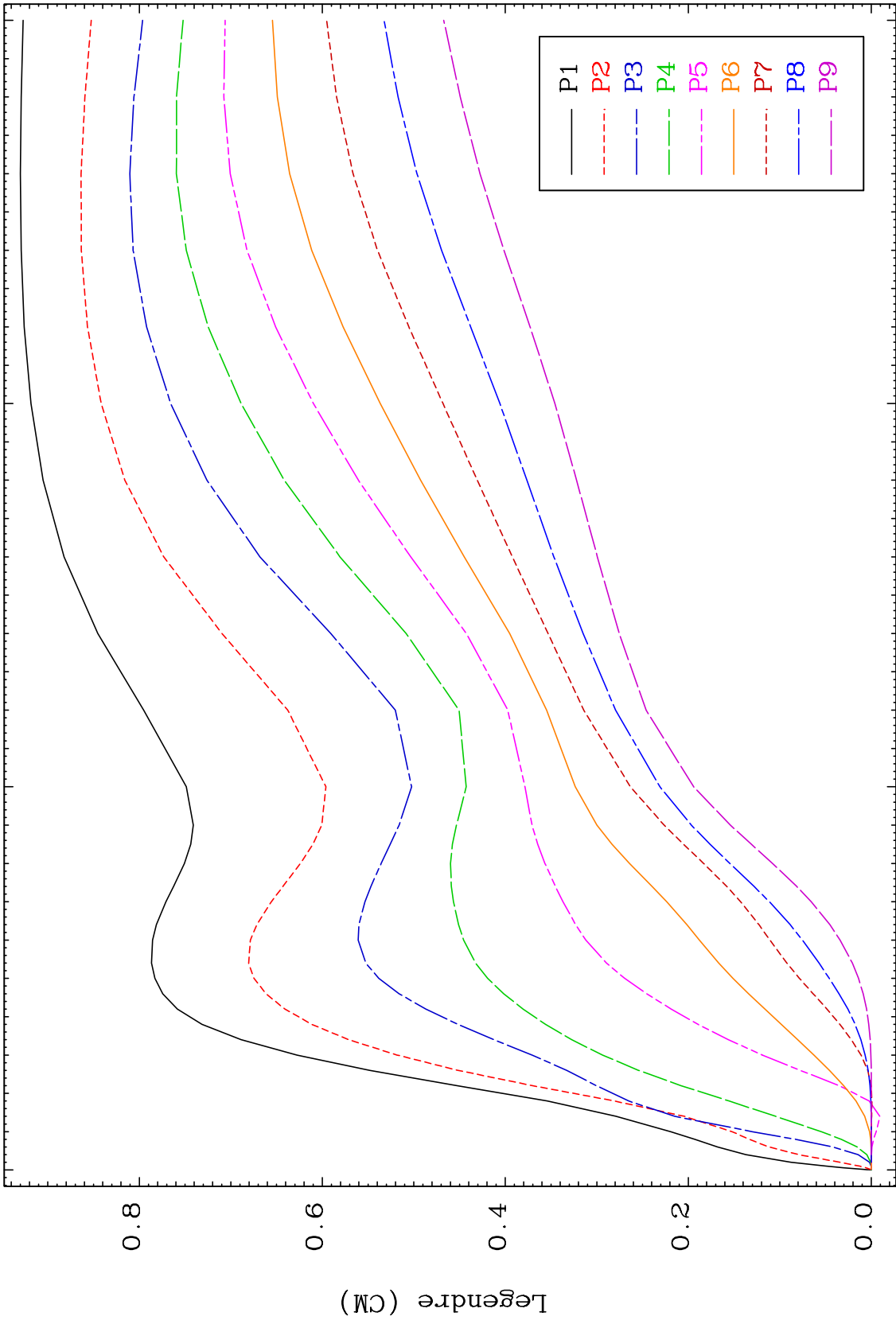




MAT 8219

Elastic Legendre Coefficients

82-Pb-202



0

16

10

20

30

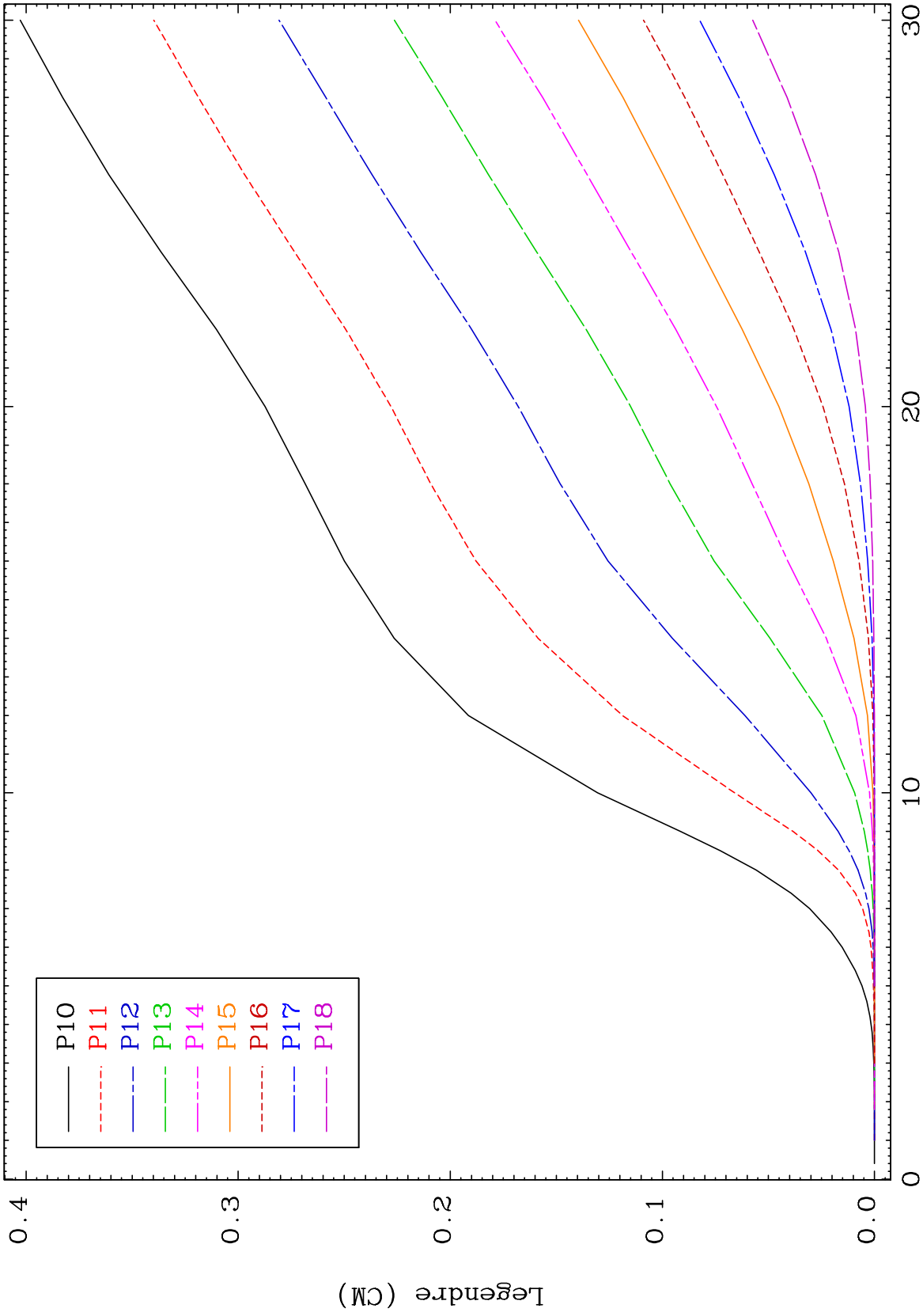
Incident Energy (MeV)

82-Pb-202

MAT 8219

Elastic Legendre Coefficients

82-Pb-202



17

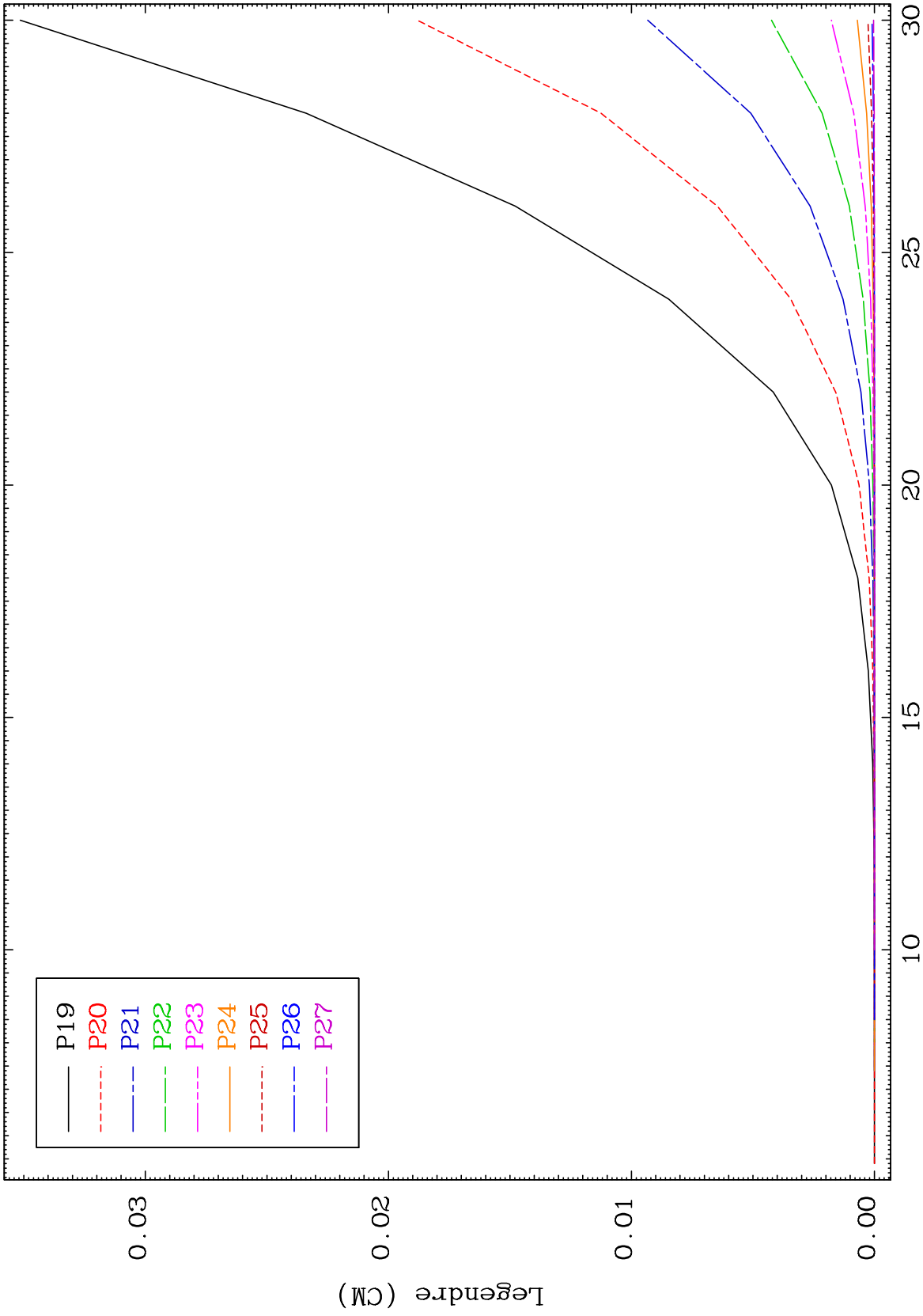
Incident Energy (MeV)

82-Pb-202

MAT 8219

Elastic Legendre Coefficients

82-Pb-202



18

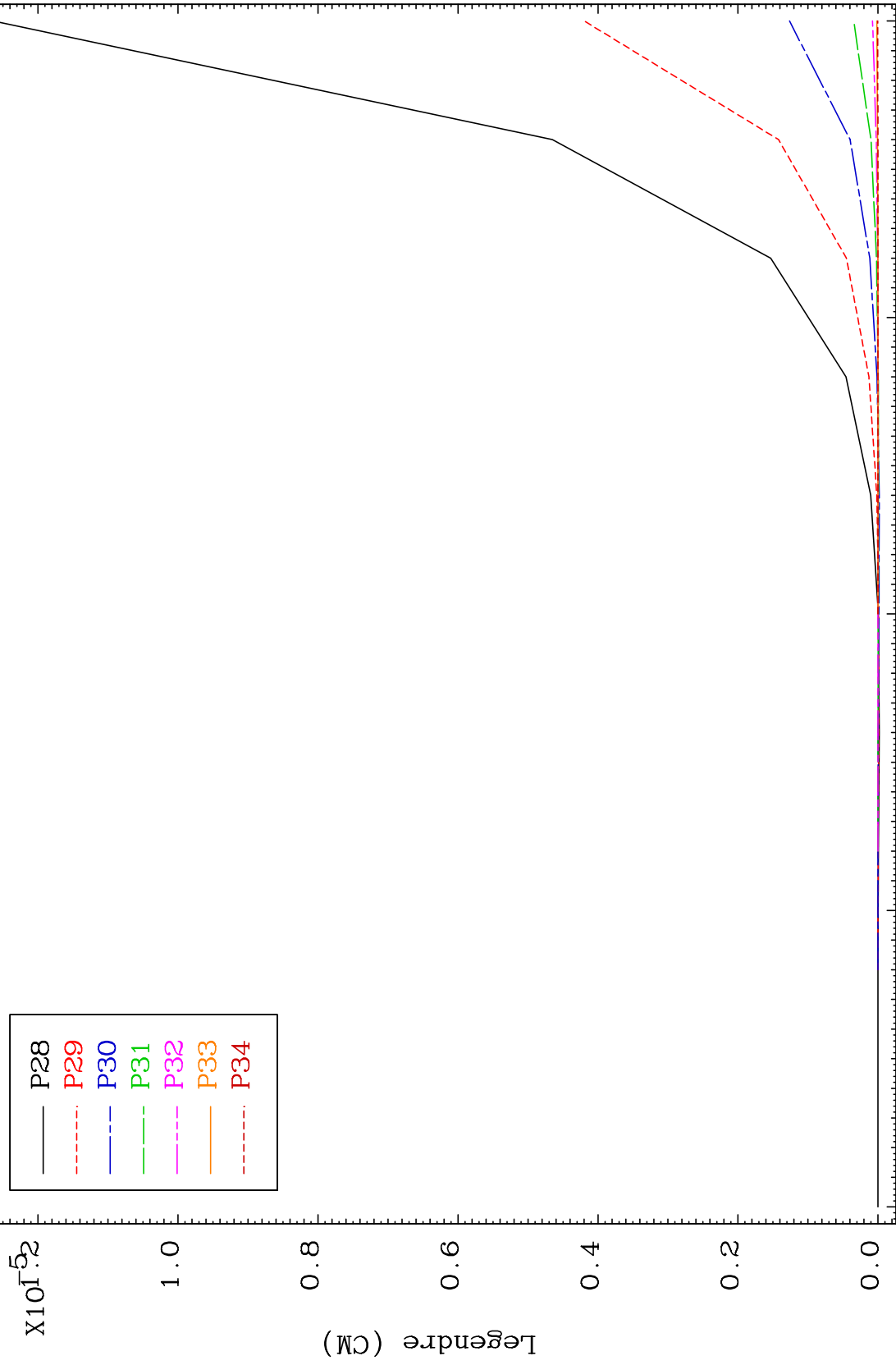
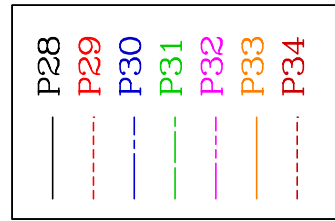
Incident Energy (MeV)

82-Pb-202

MAT 8219

Elastic Legendre Coefficients

82-Pb-202



19

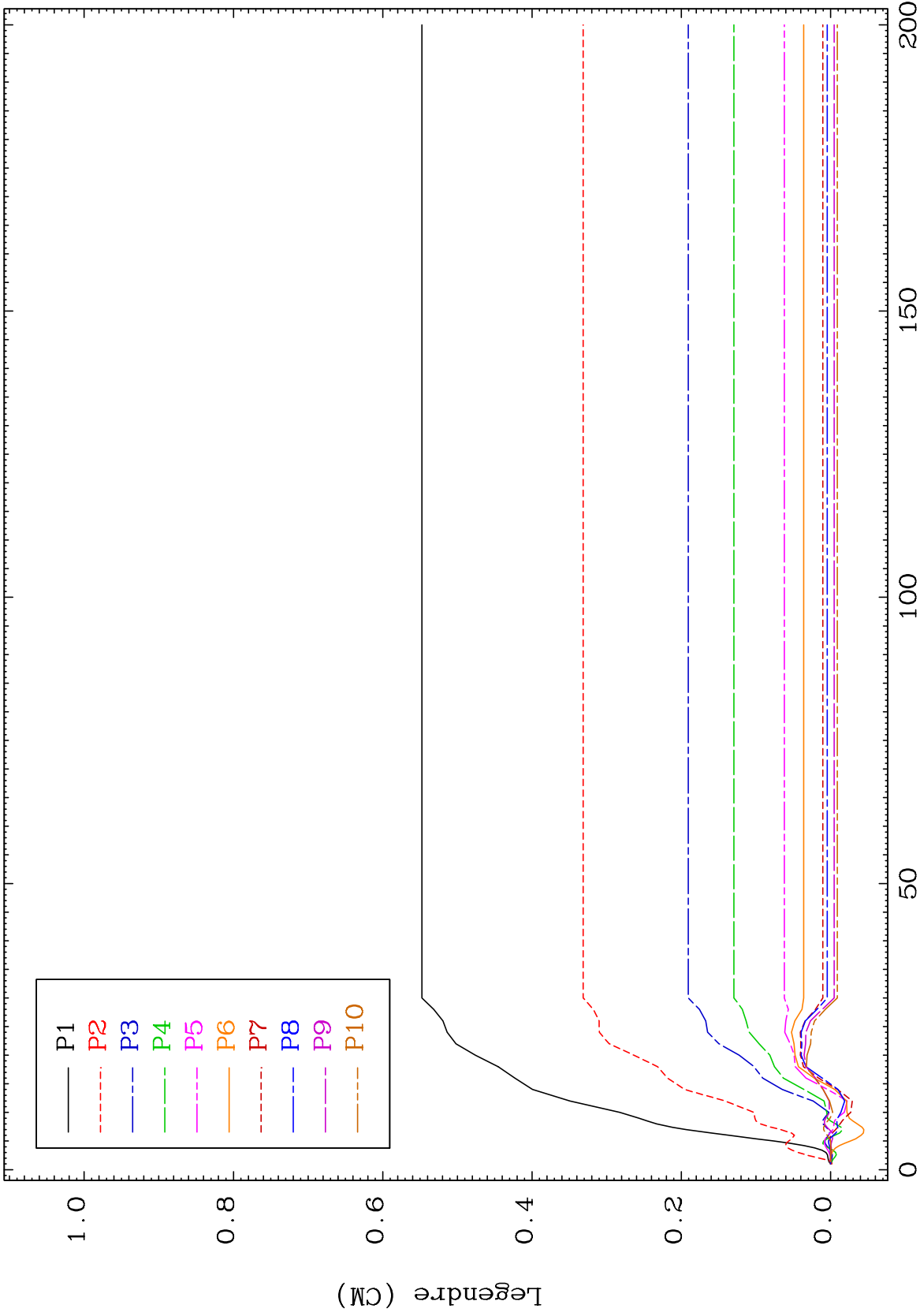
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



82-Pb-202

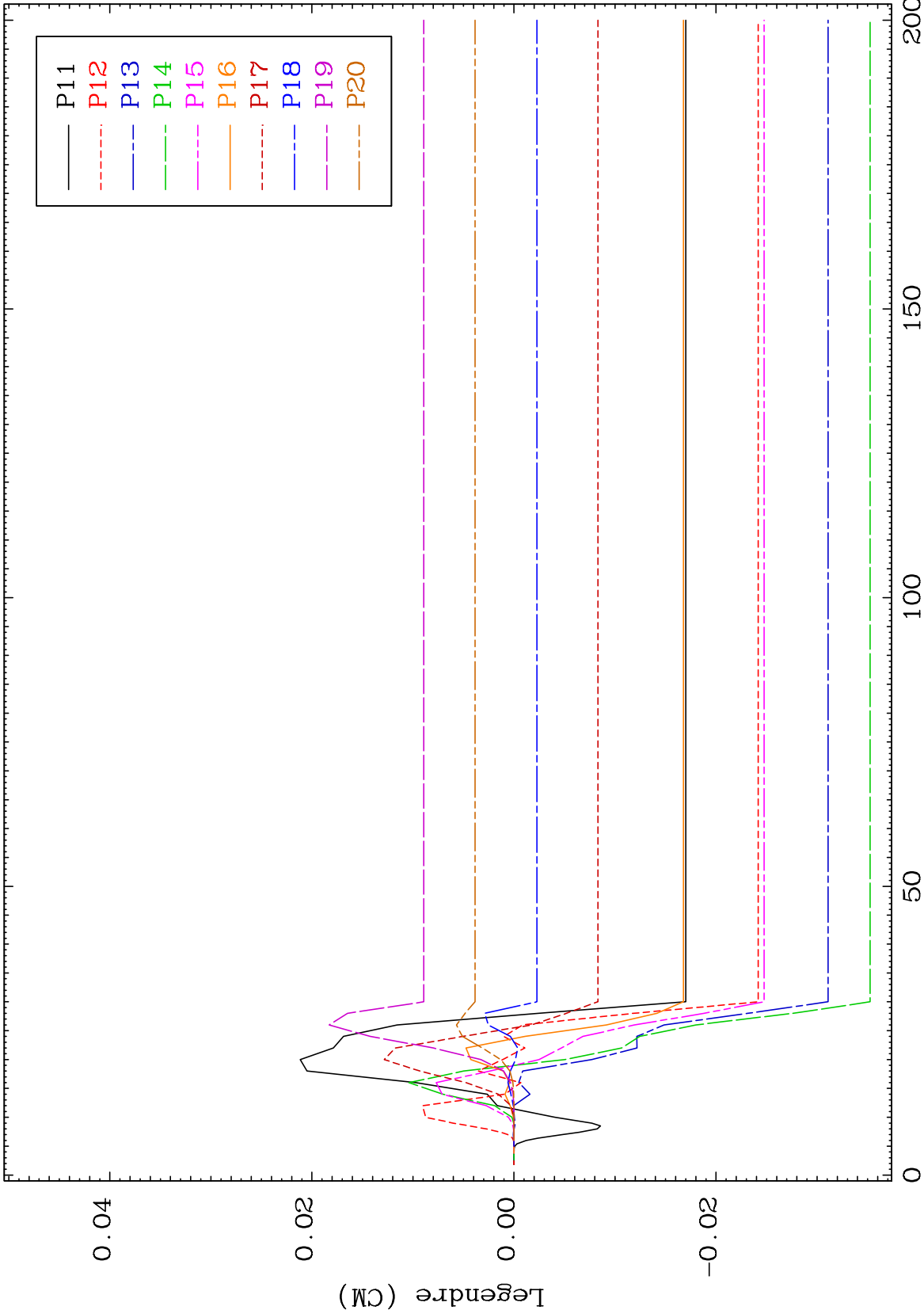
Incident Energy (MeV)

20

MAT 8219

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

82-Pb-202



21

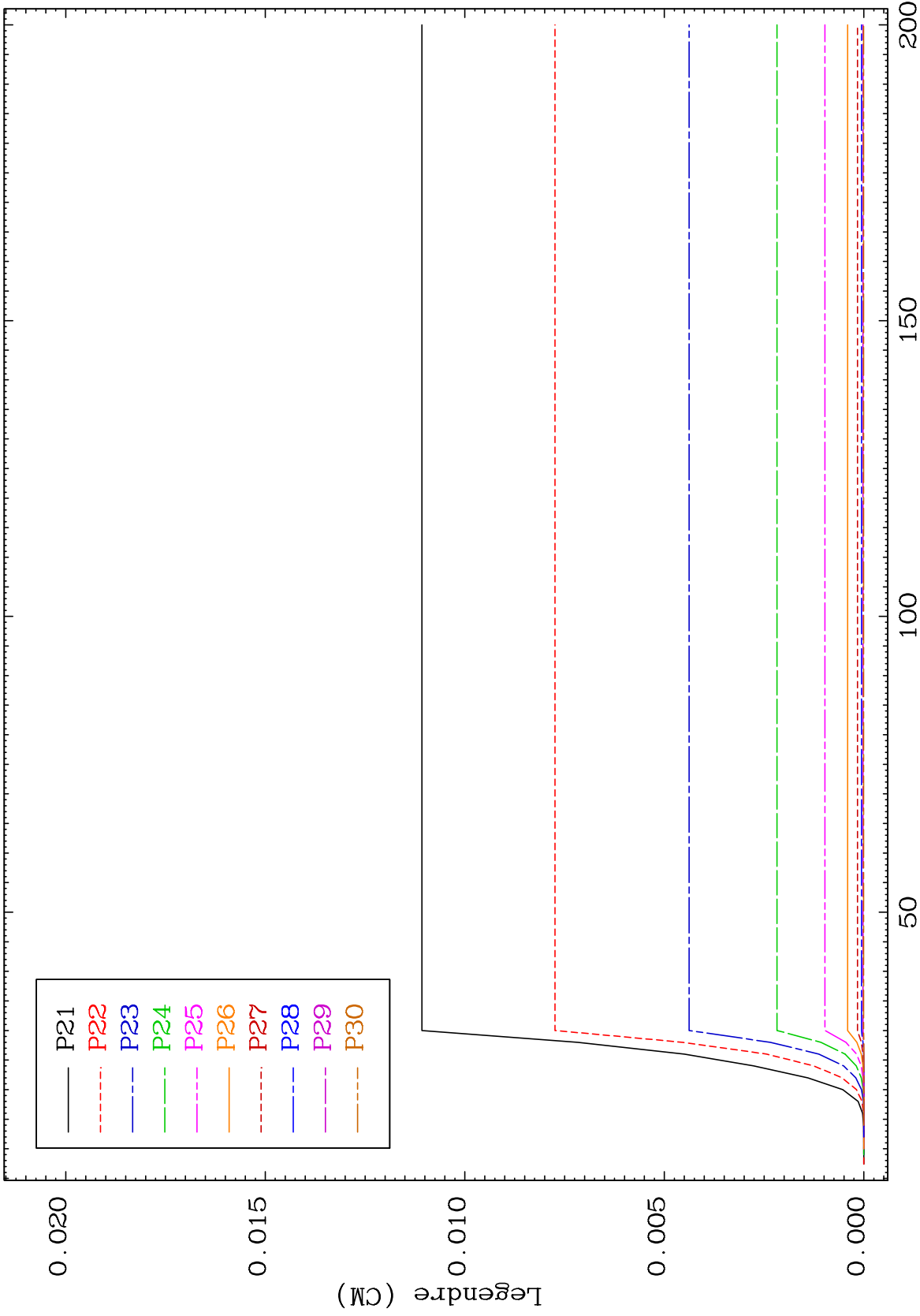
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



22

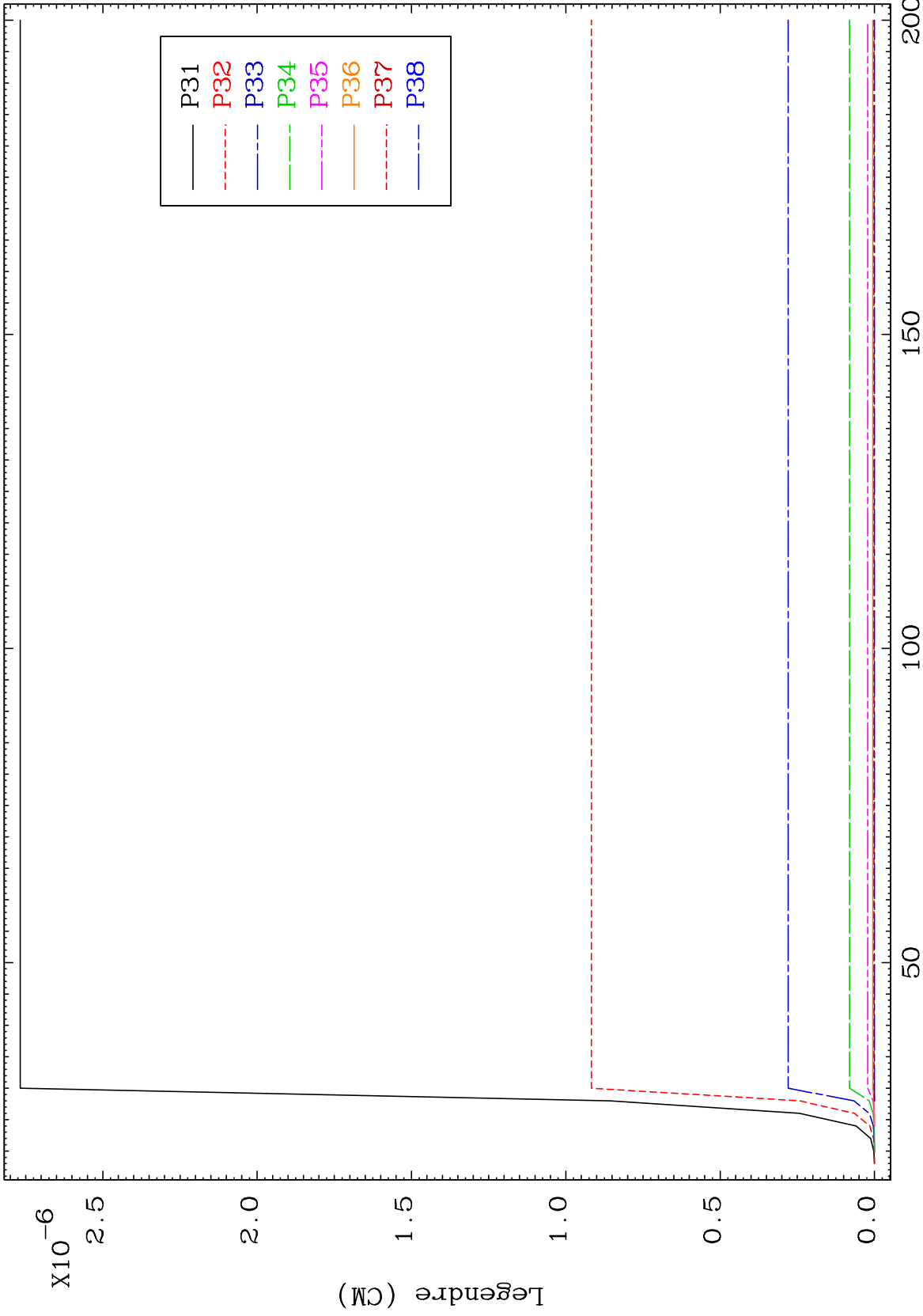
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



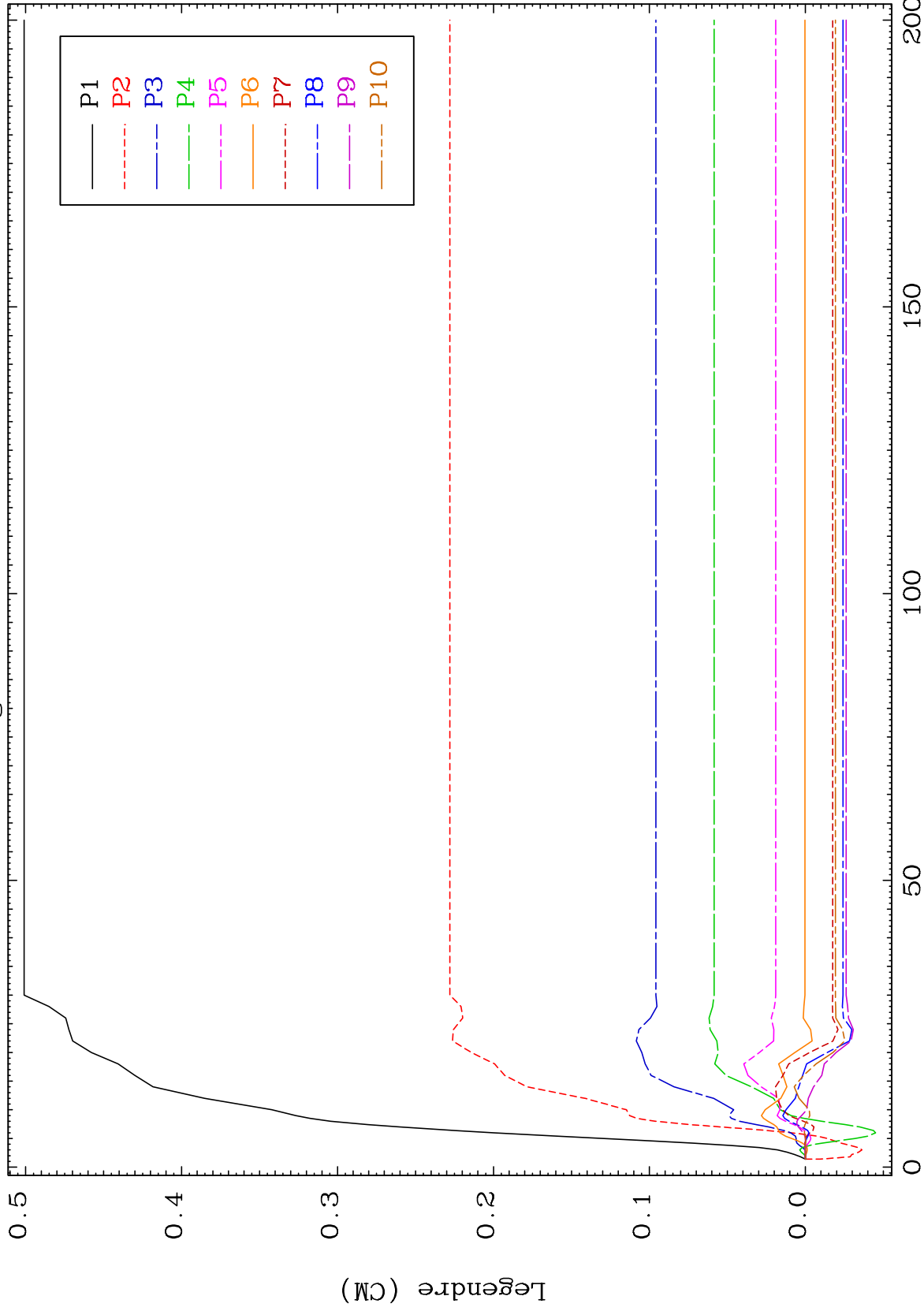
23

82-Pb-202

MAT 8219

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

82-Pb-202



24

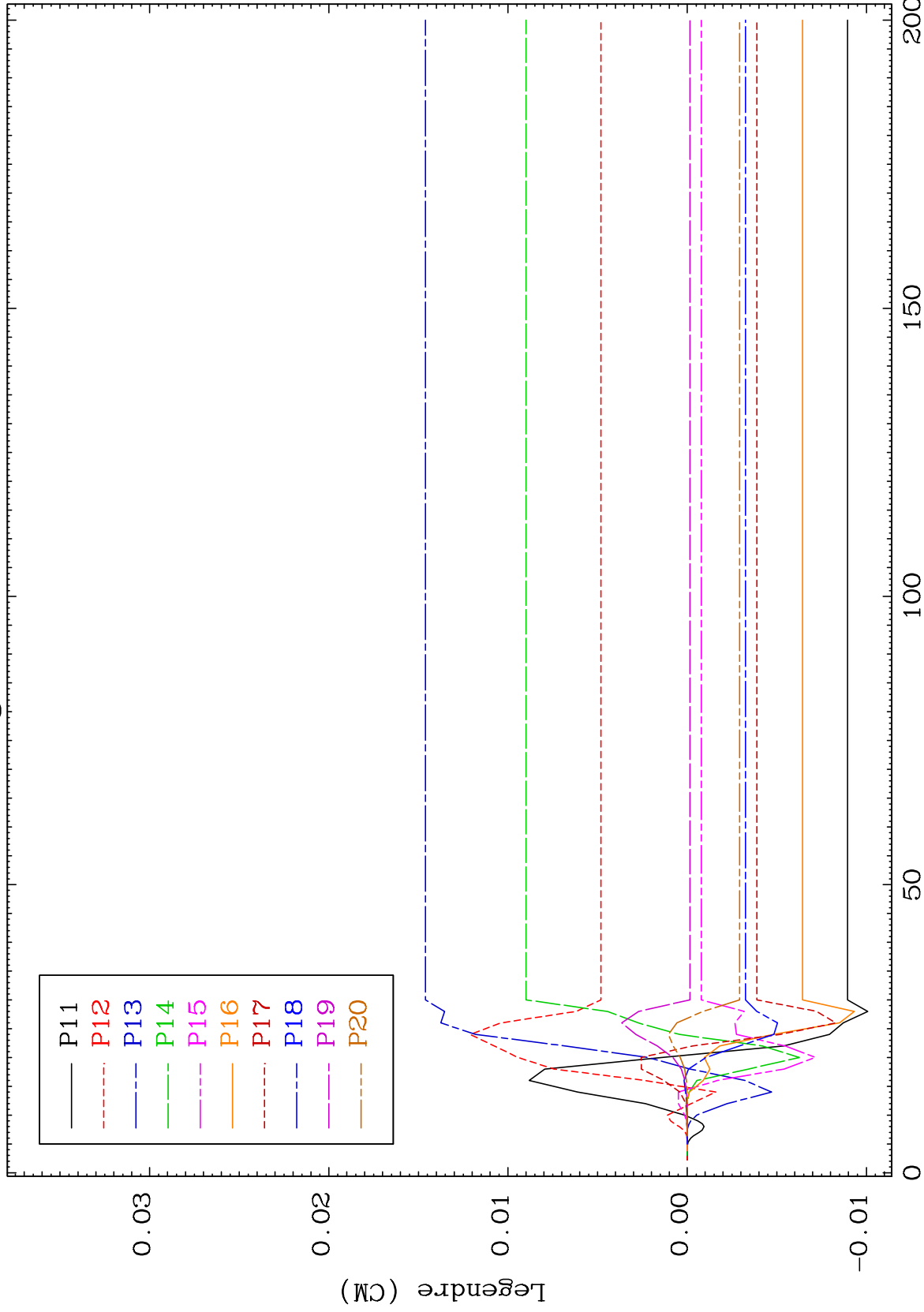
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



25

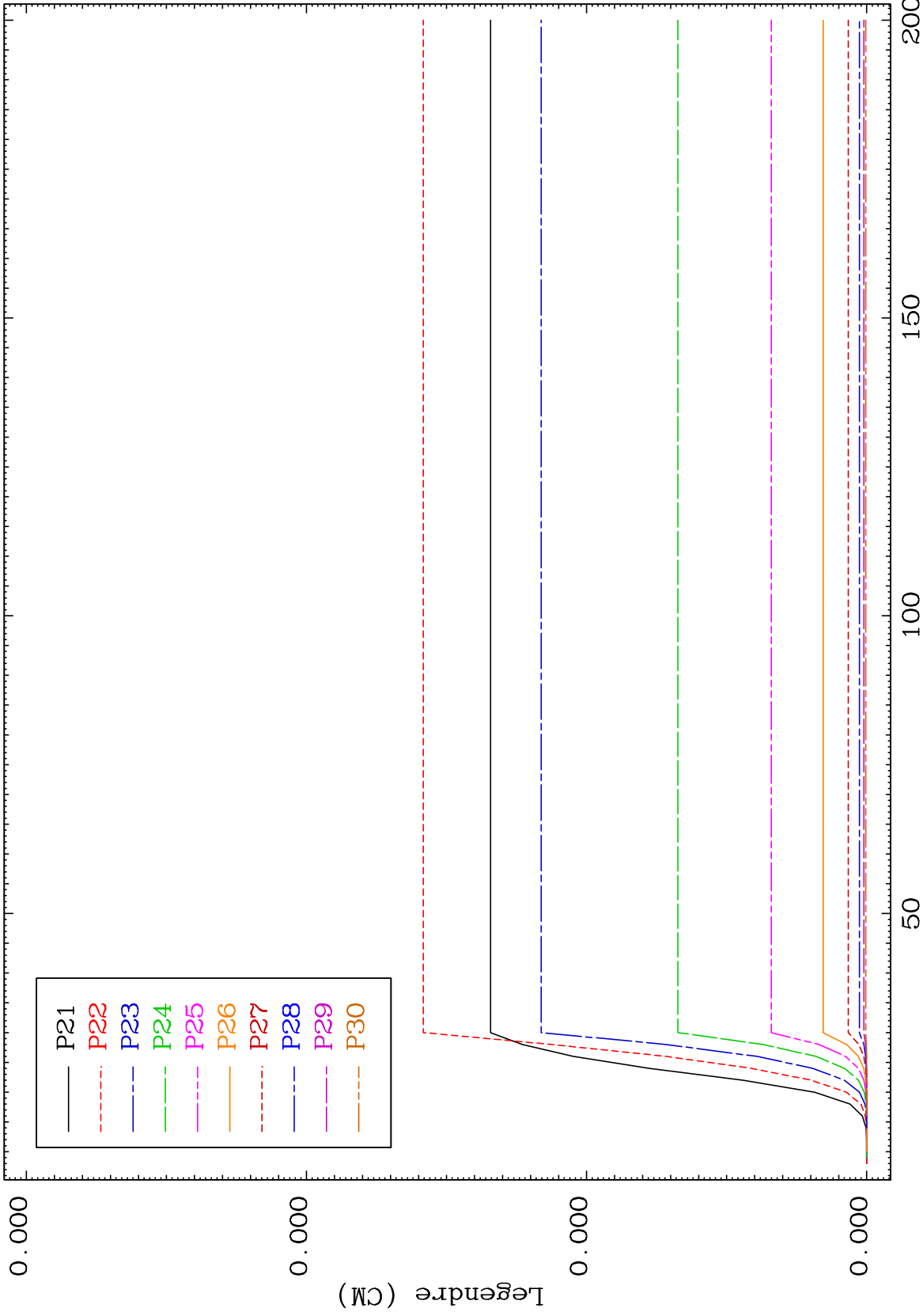
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



26

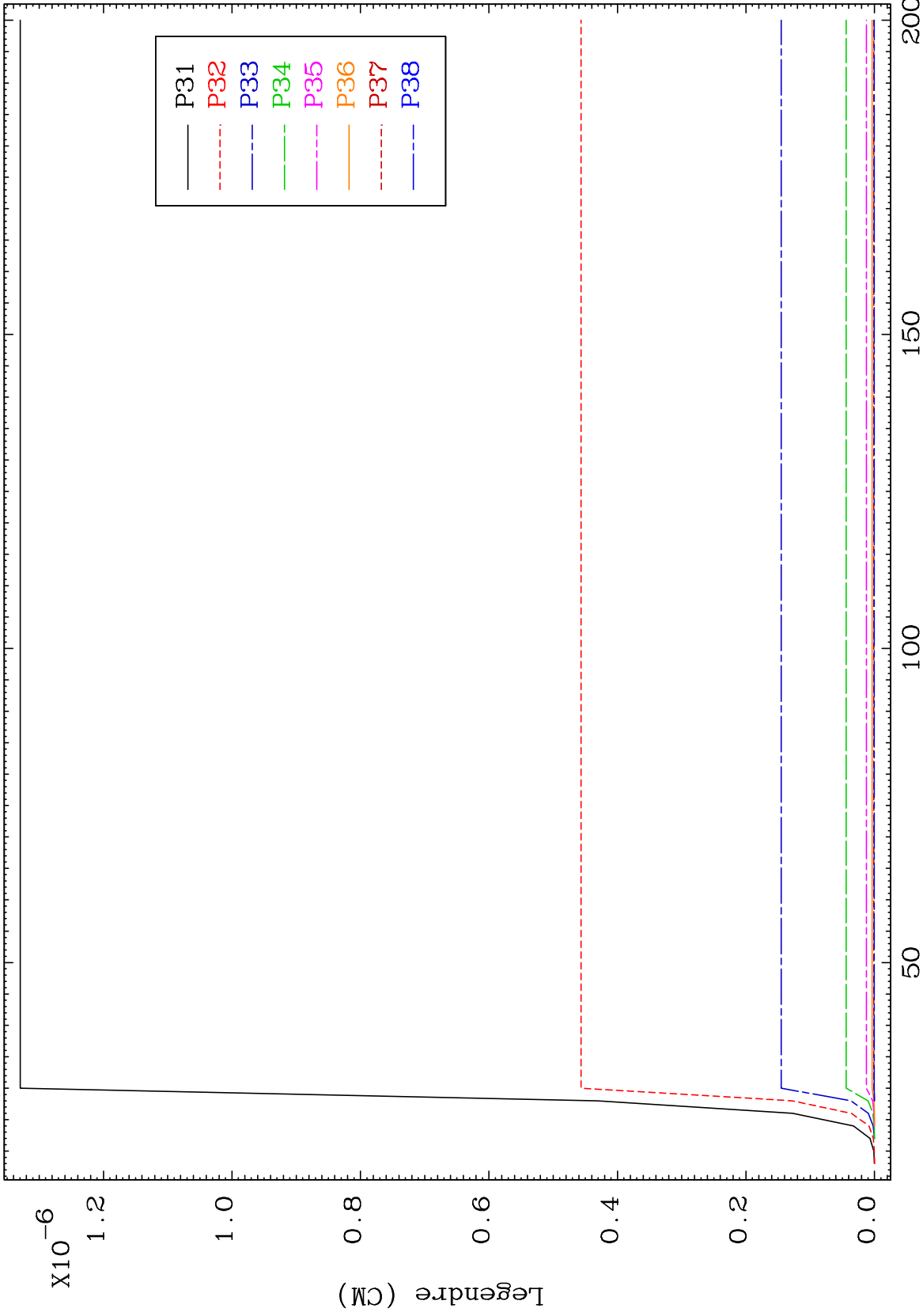
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



27

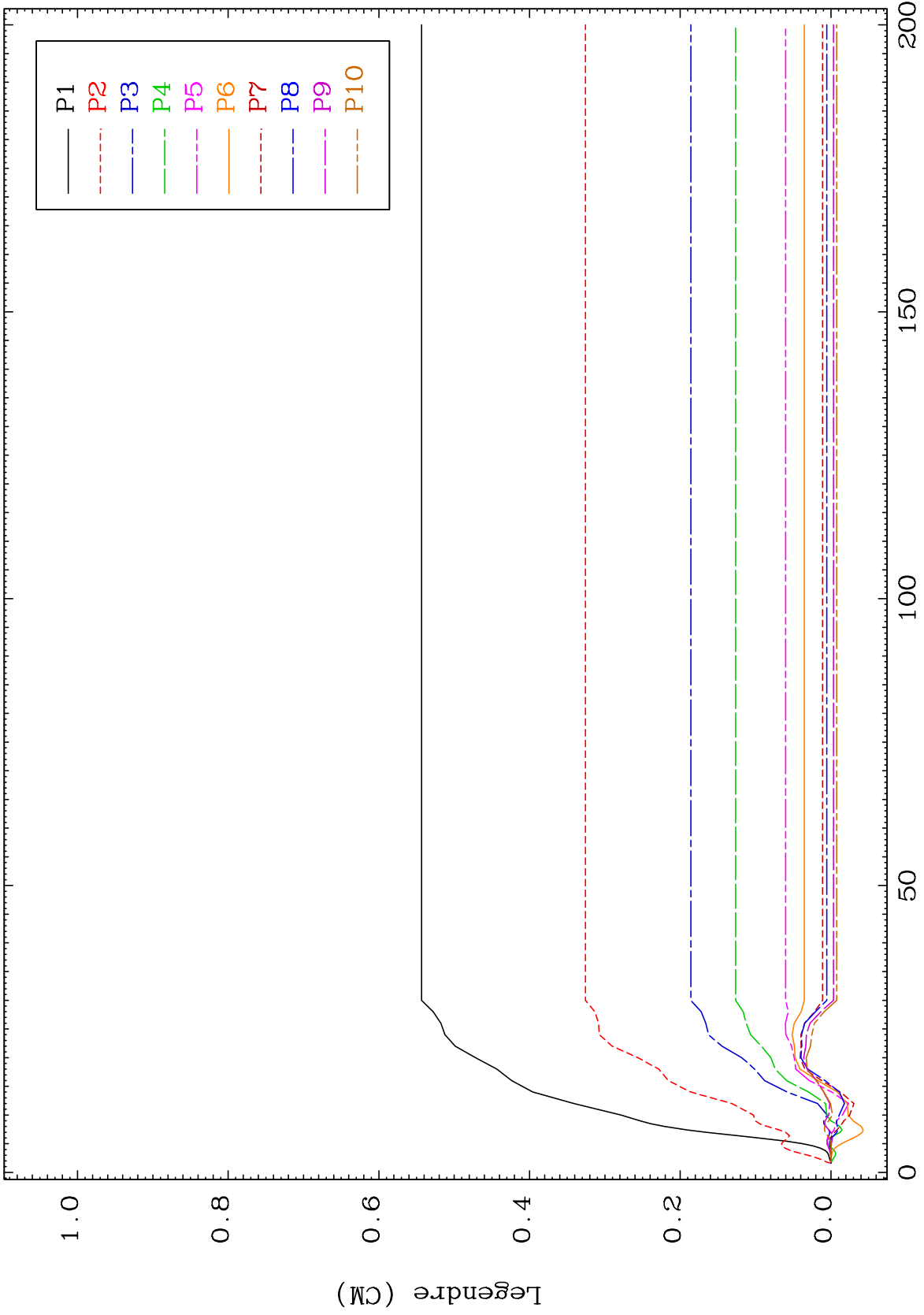
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



28

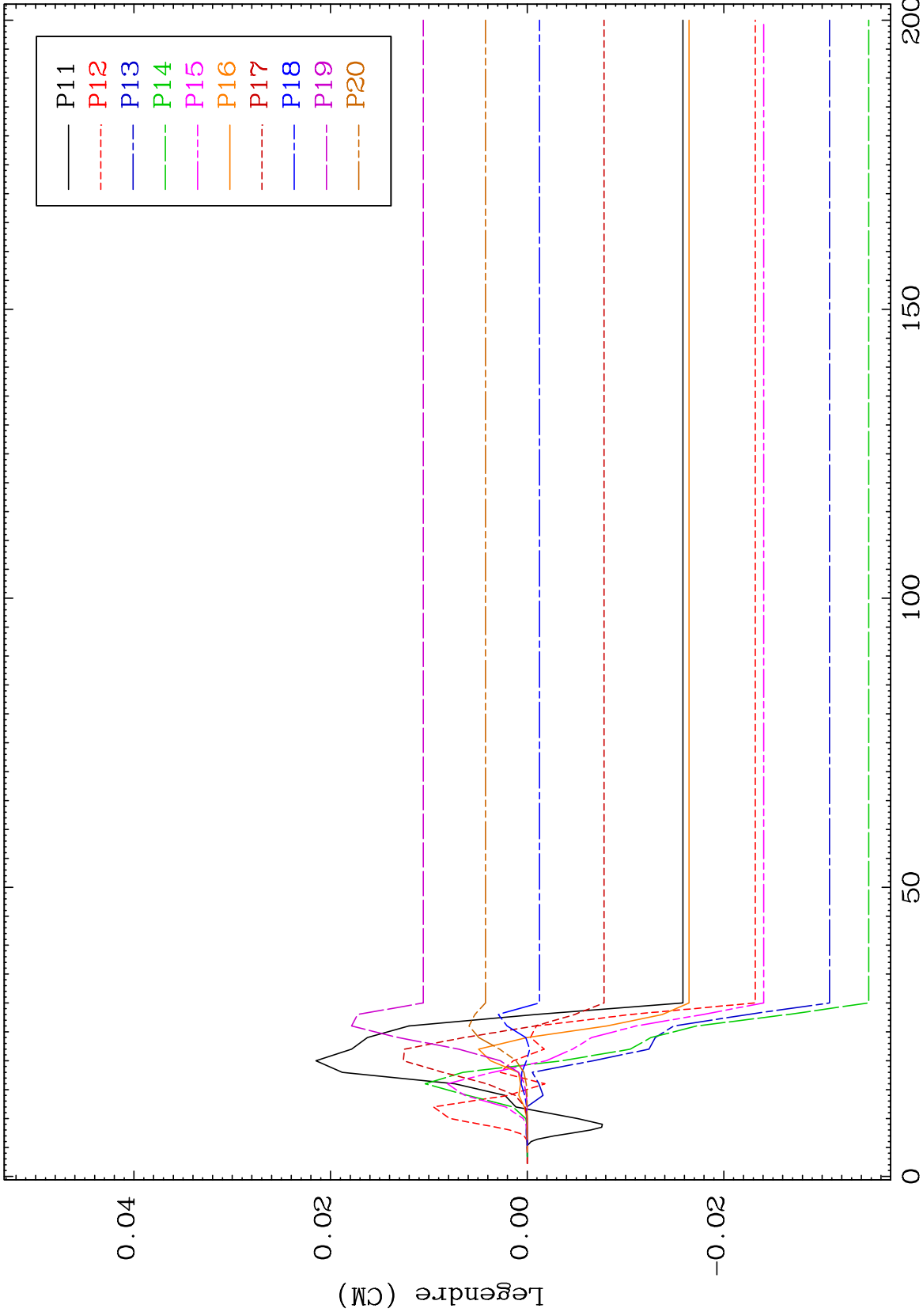
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



29

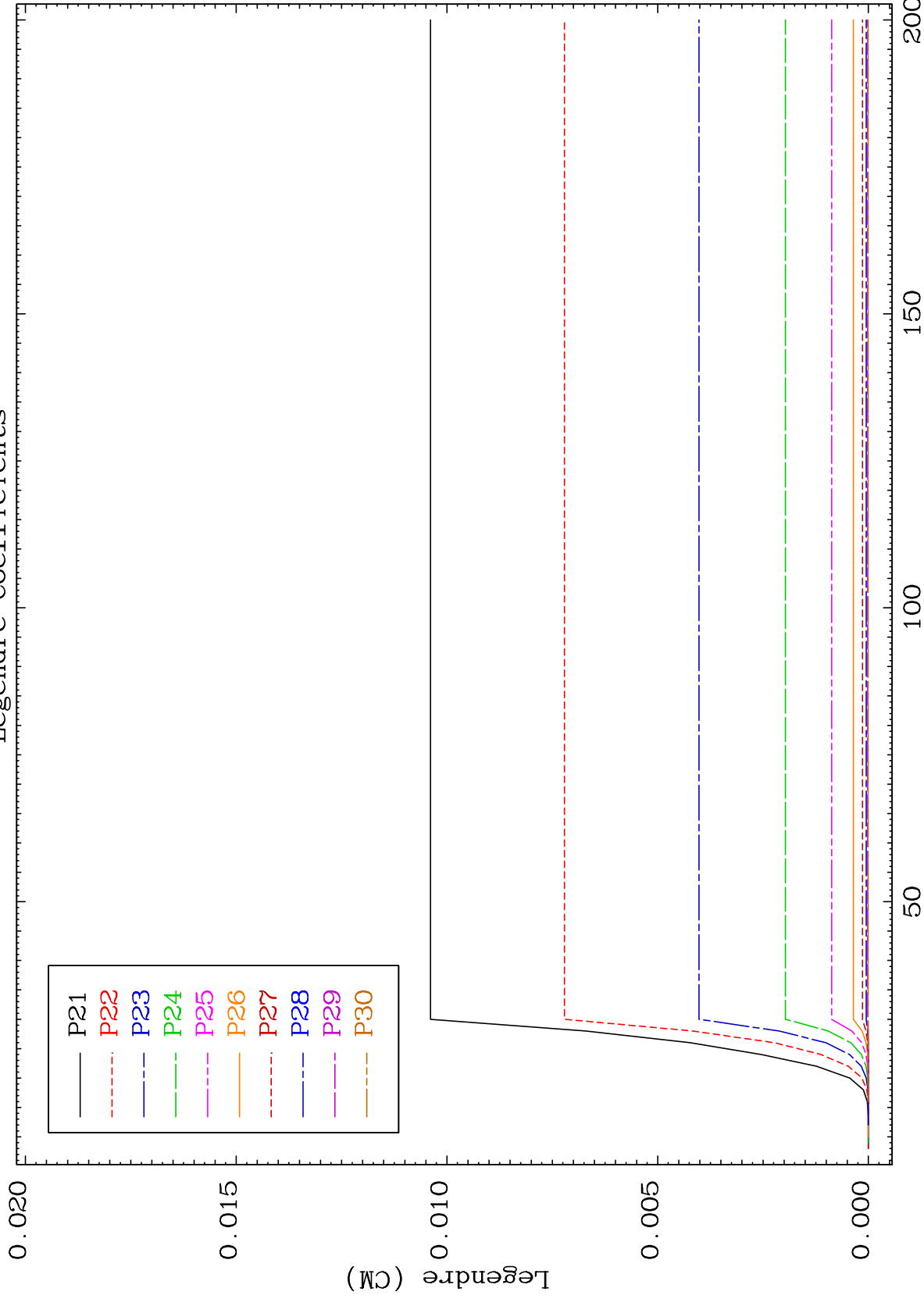
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

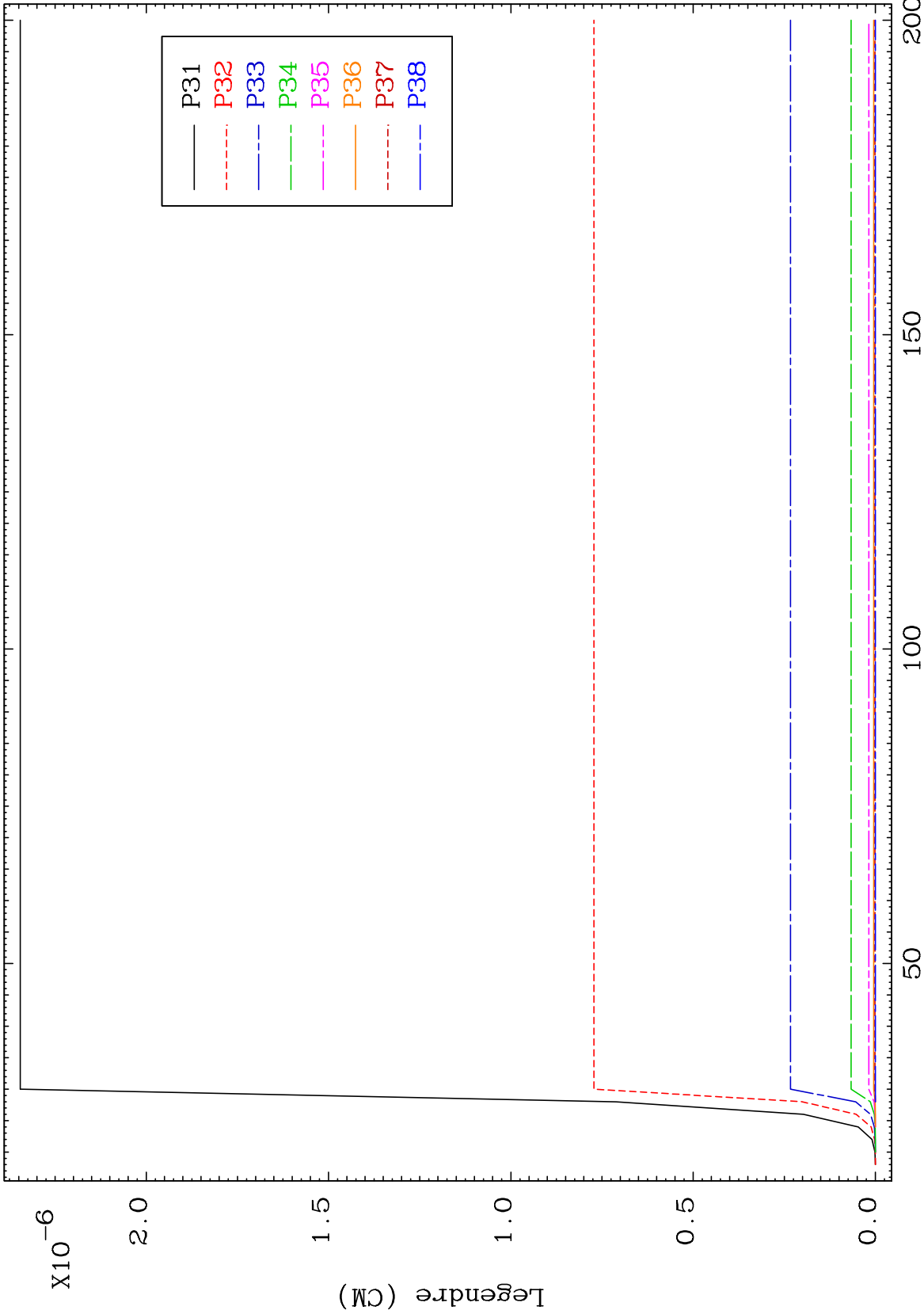
82-Pb-202



30

Incident Energy (MeV)

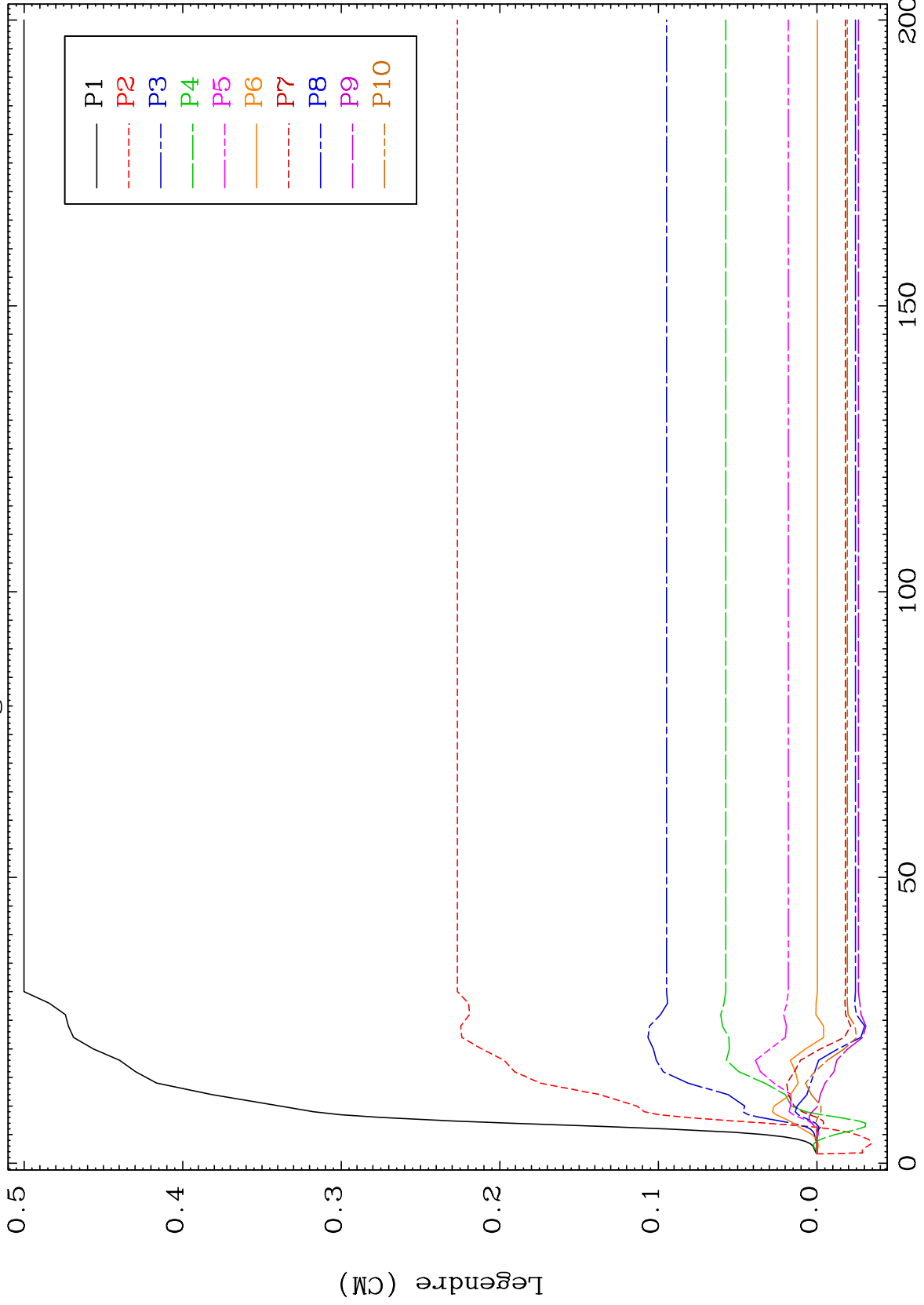
82-Pb-202



MAT 8219

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

82-Pb-202



32

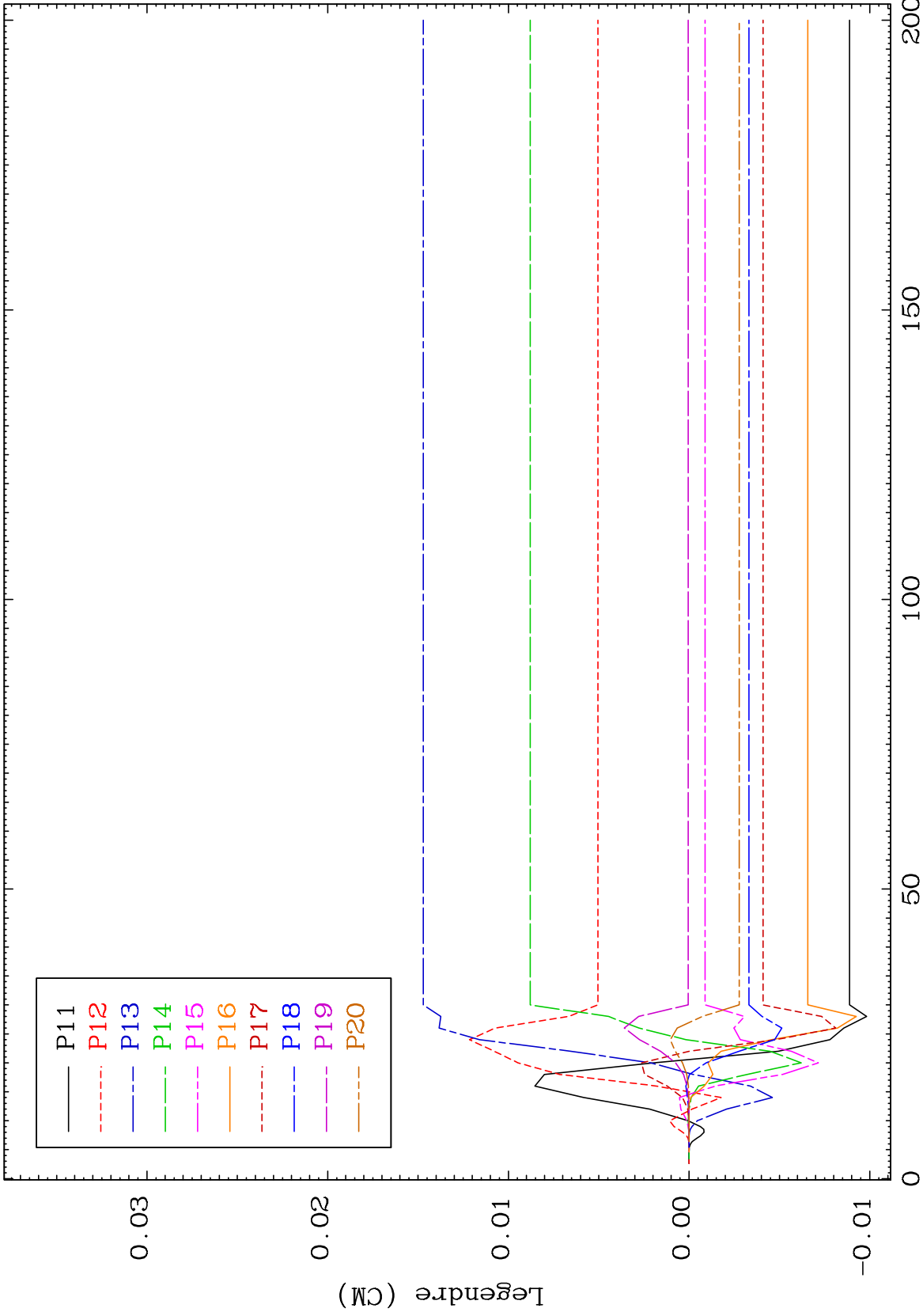
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

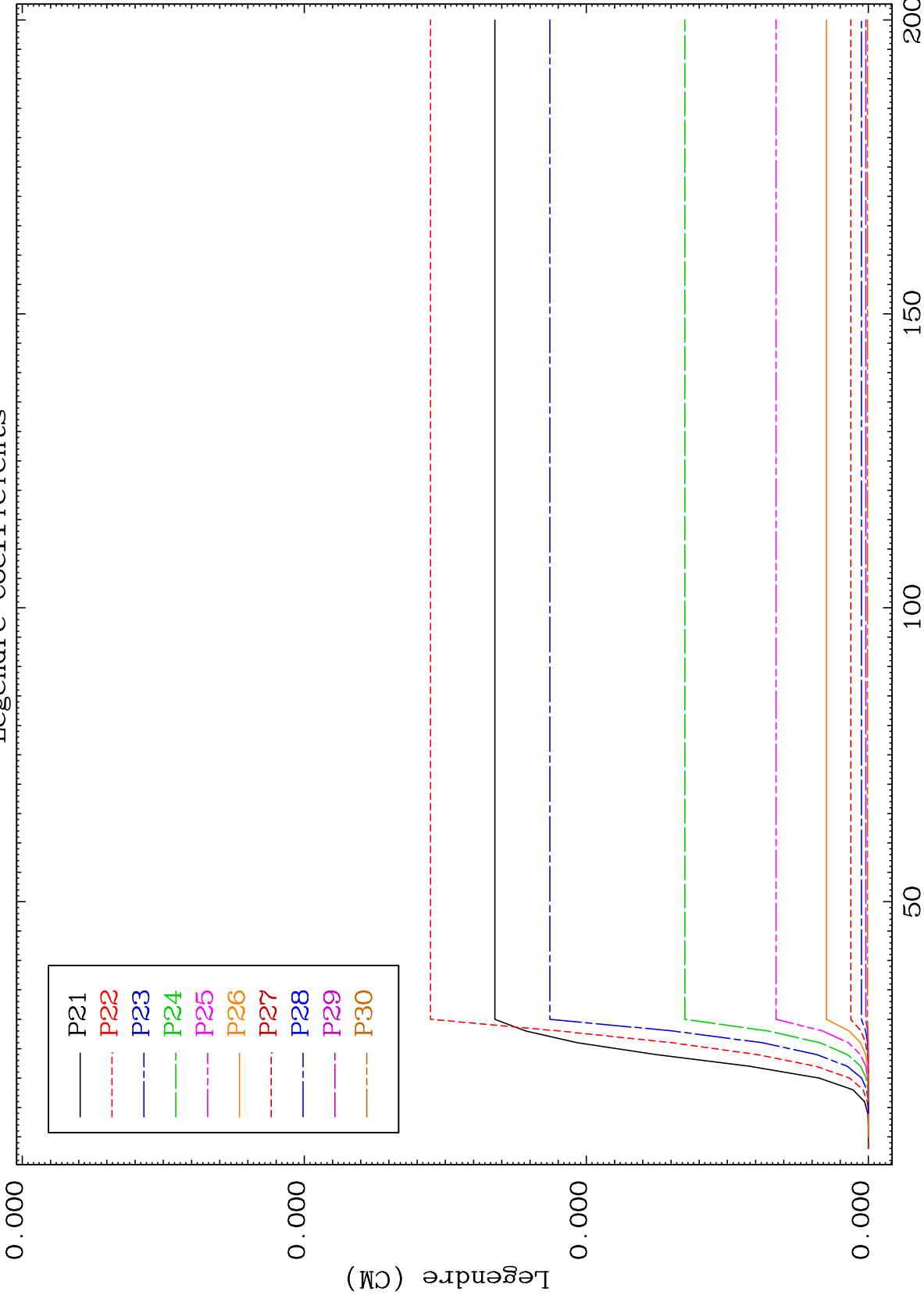
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MAT 8219

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

82-Pb-202



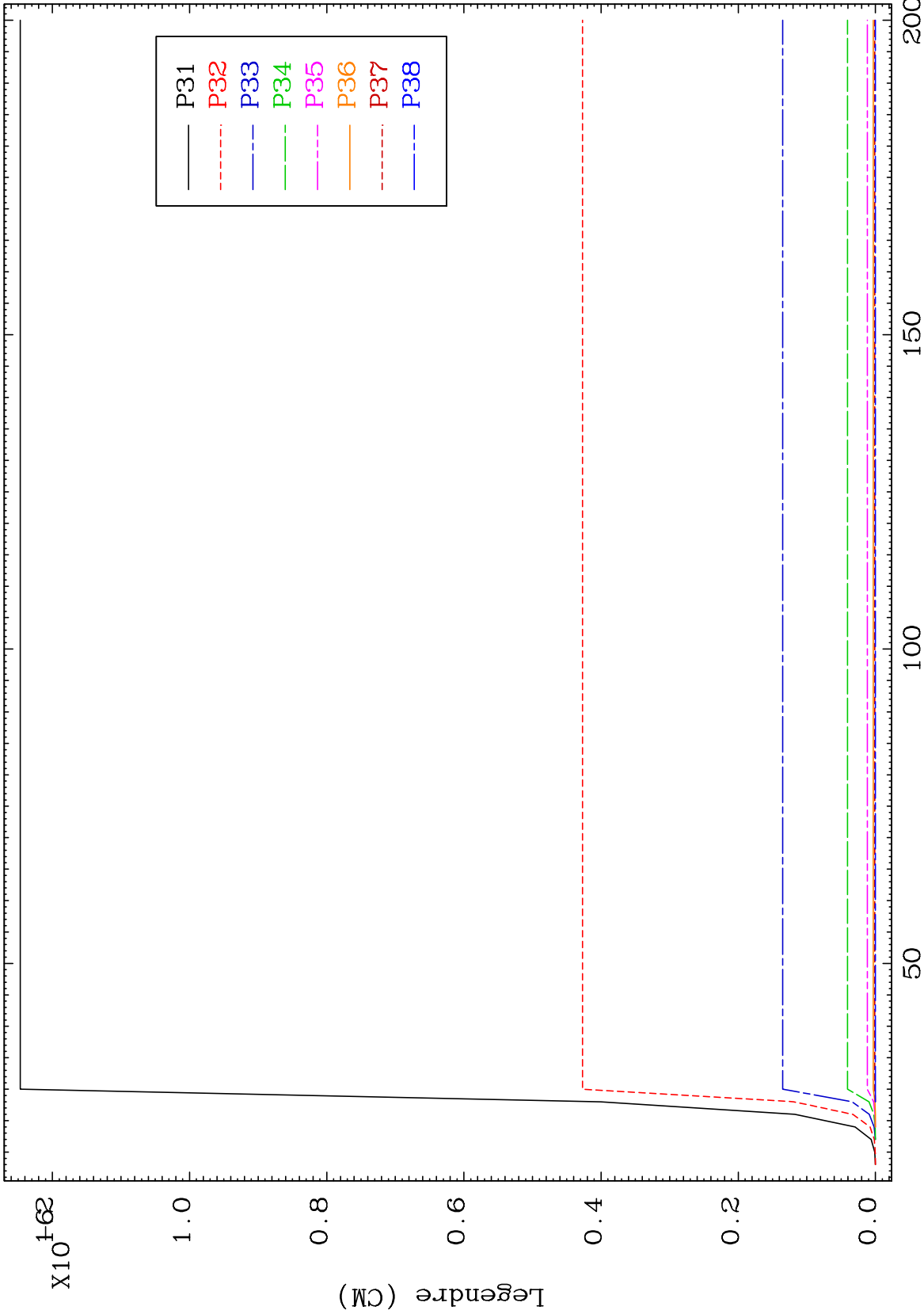
34

82-Pb-202

MAT 8219

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

82-Pb-202



35

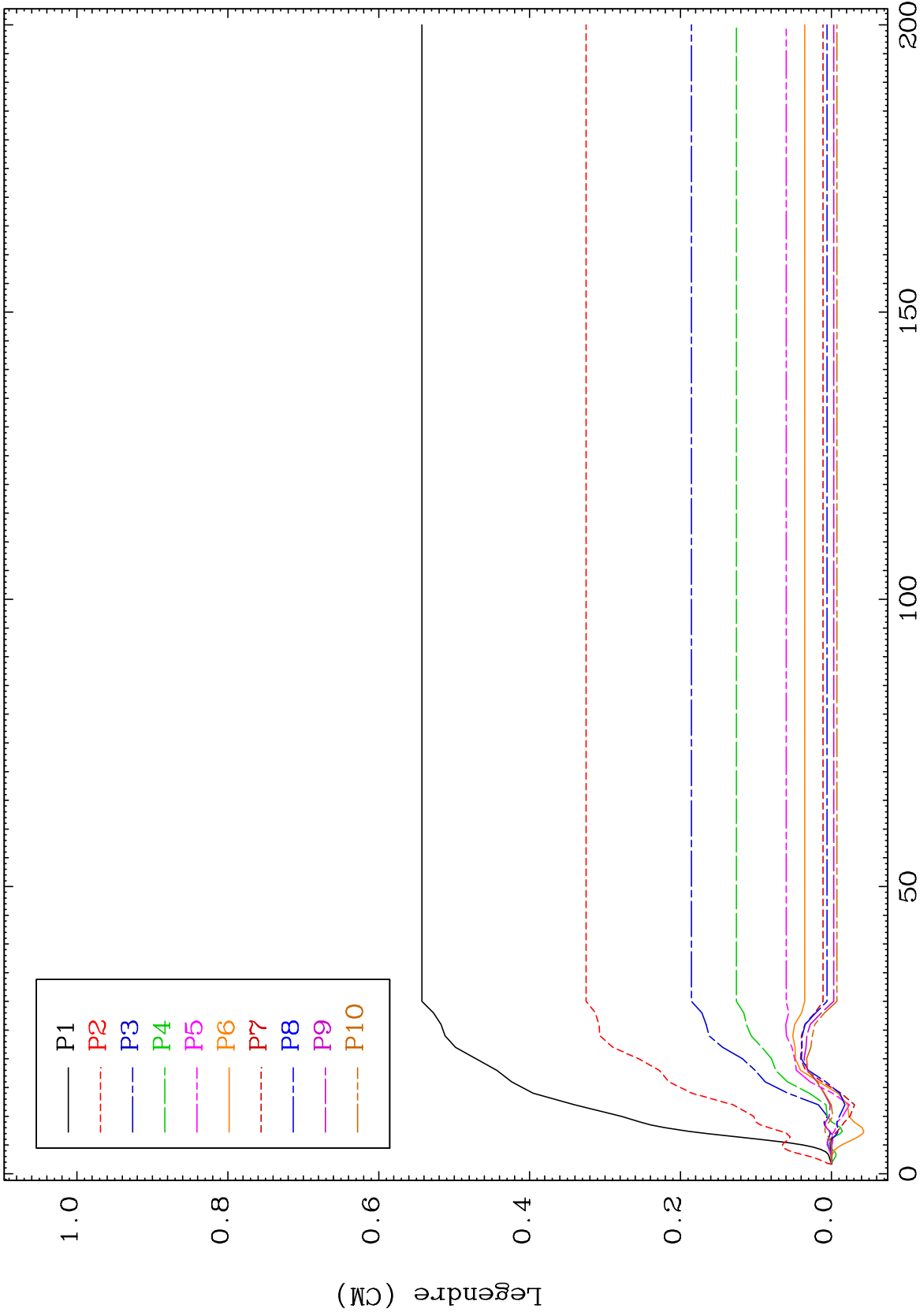
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



36

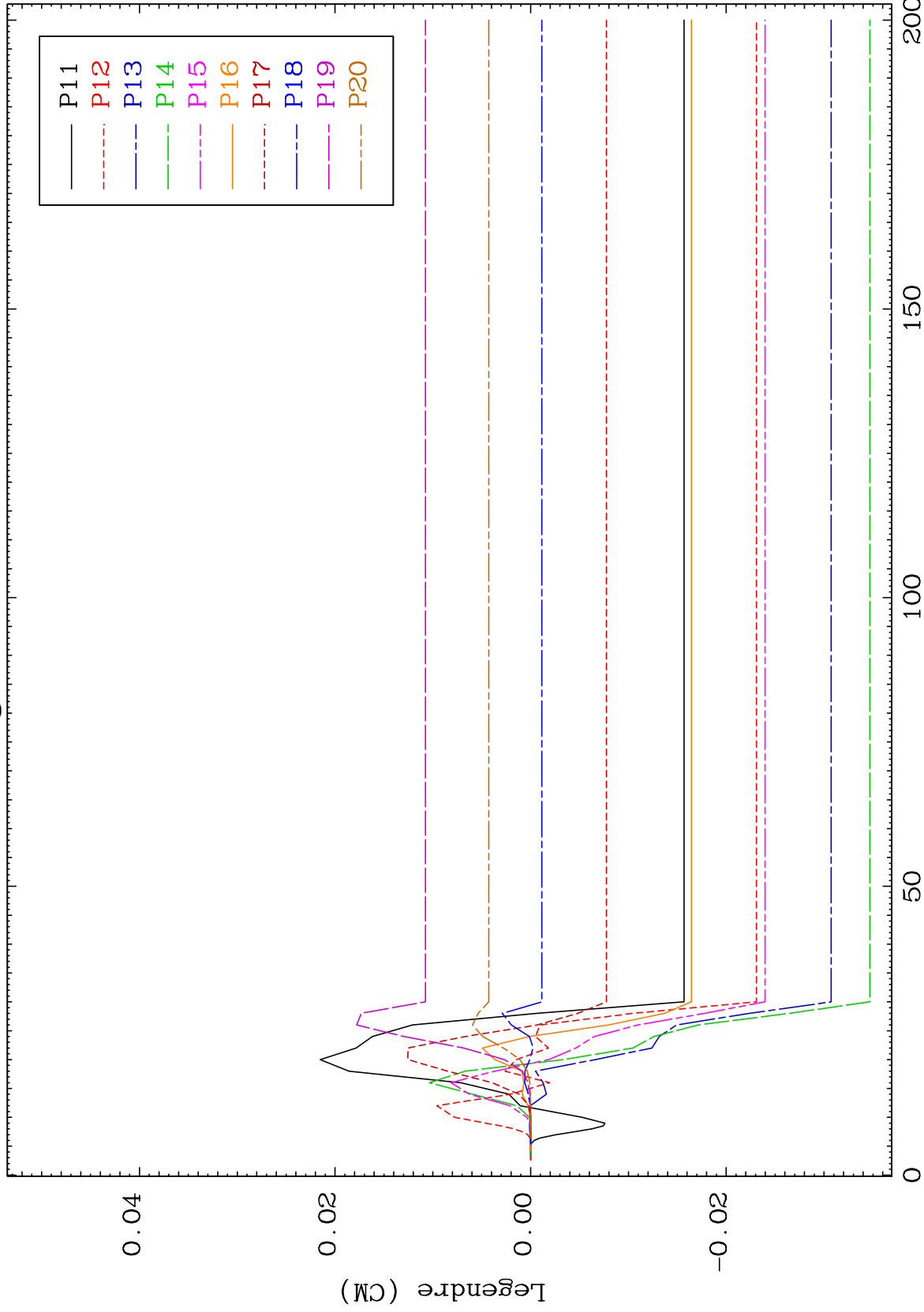
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



37

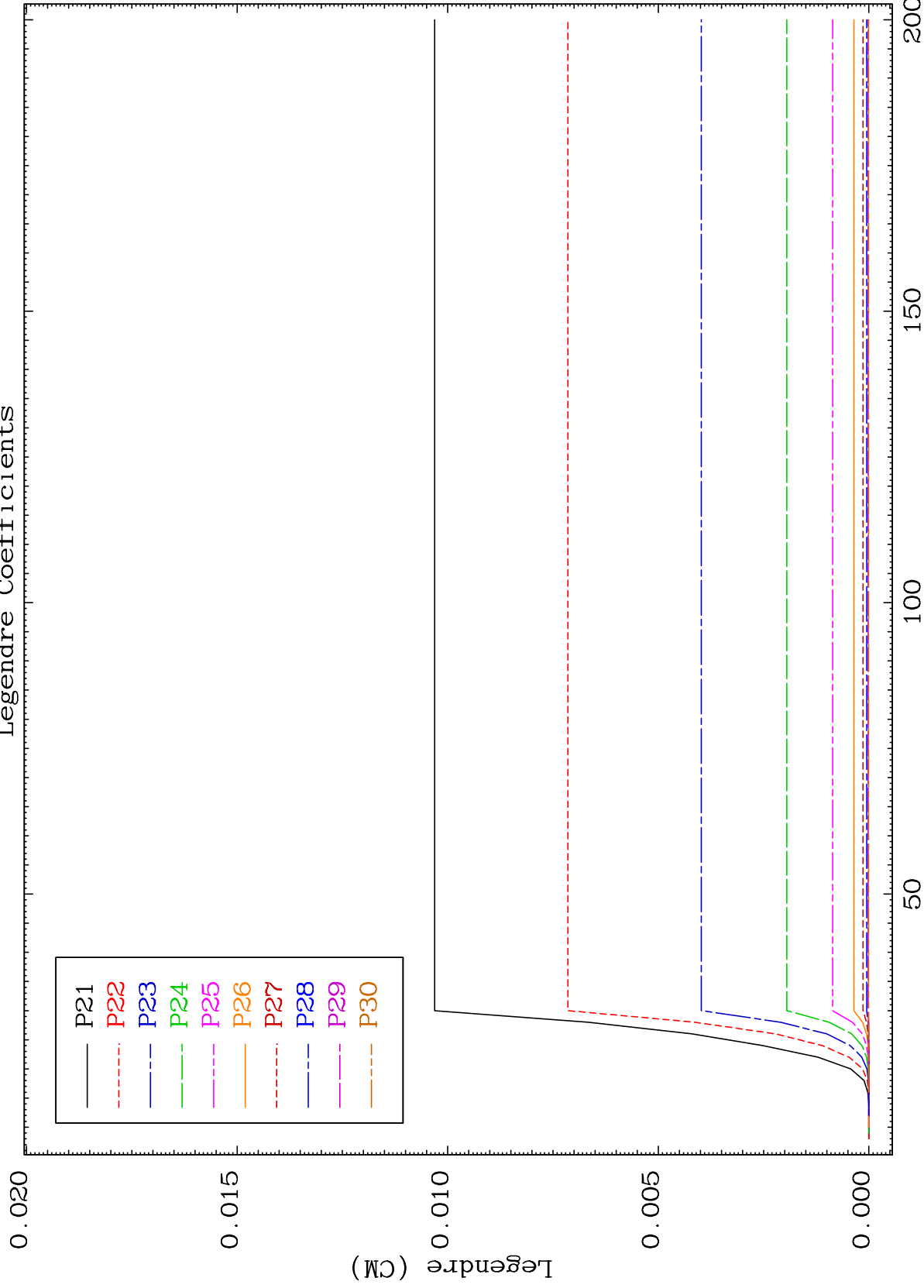
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



38

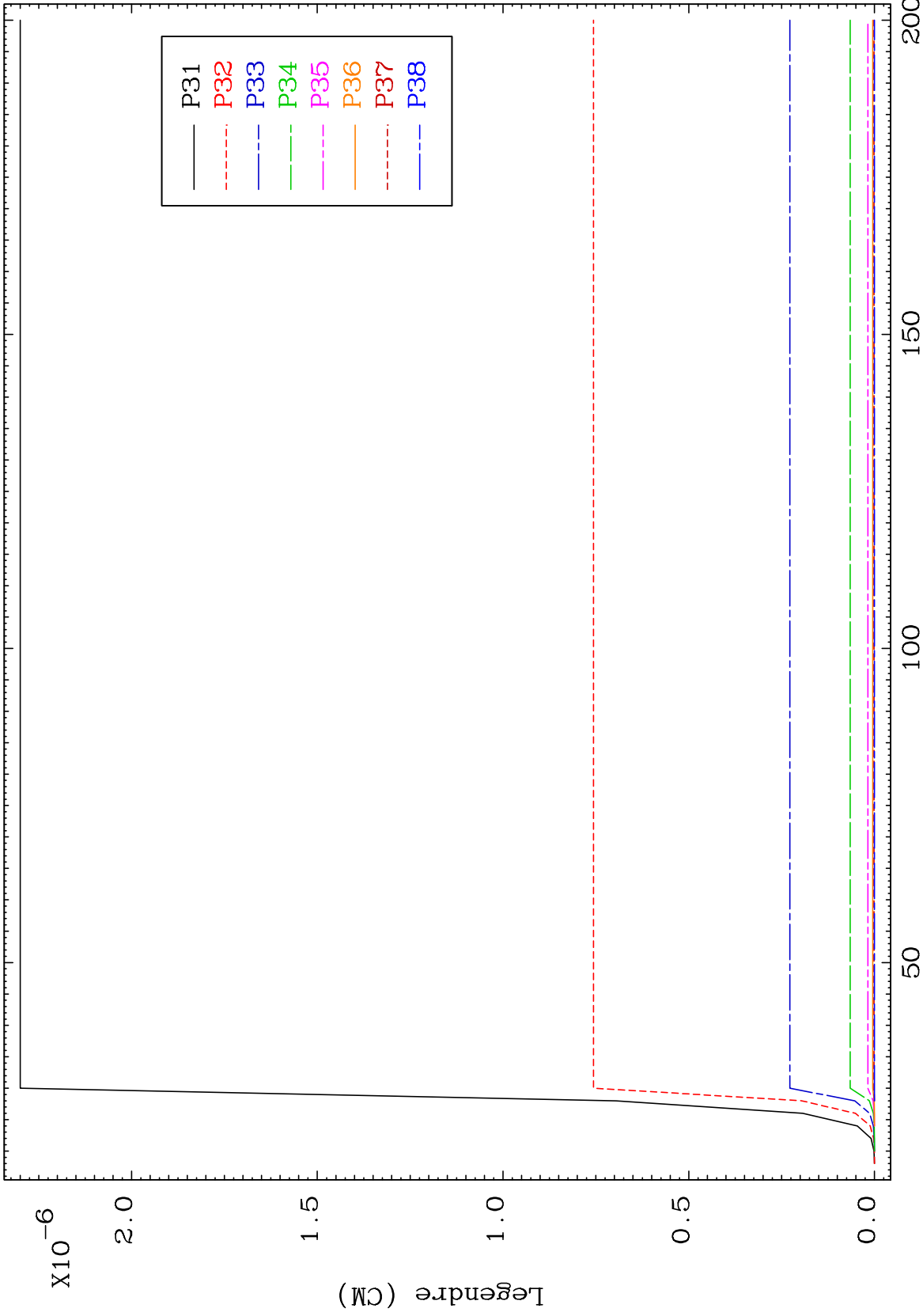
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202

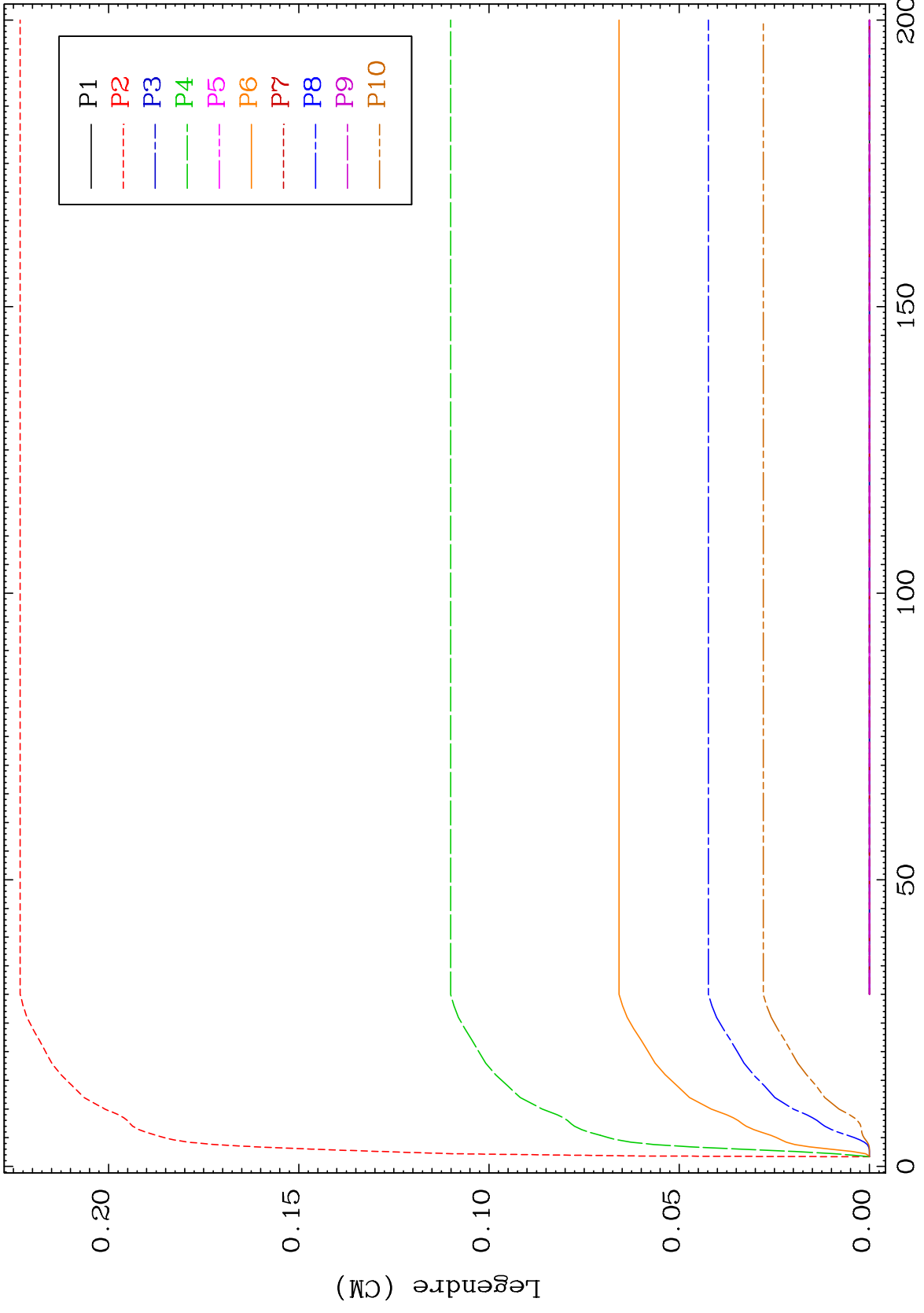


39

Incident Energy (MeV)

82-Pb-202

MAT 8219 MT= 56 (n,n') Level Legendre Coefficients 82-Pb-202

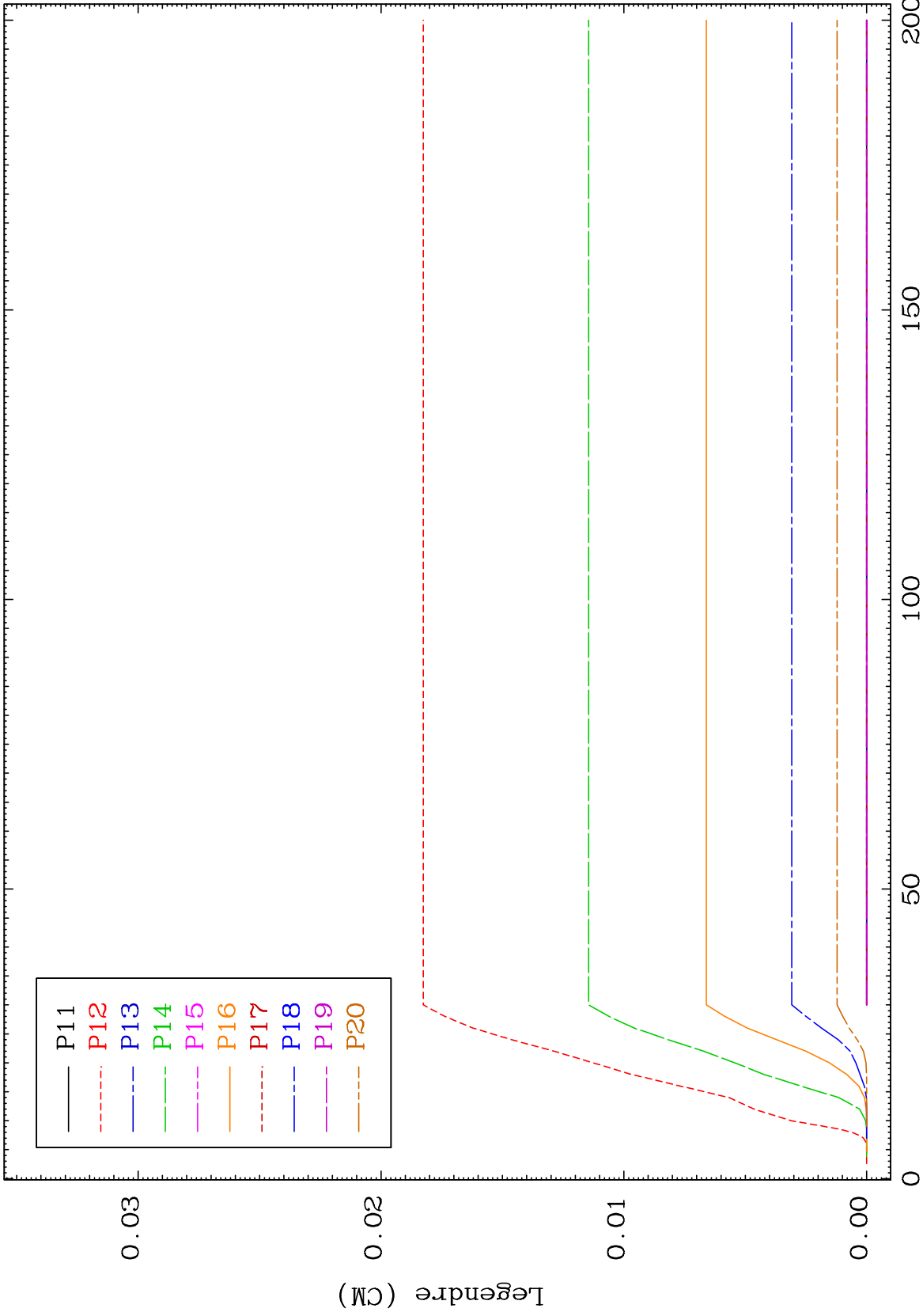


82-Pb-202 Incident Energy (MeV)

MAT 8219

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

82-Pb-202

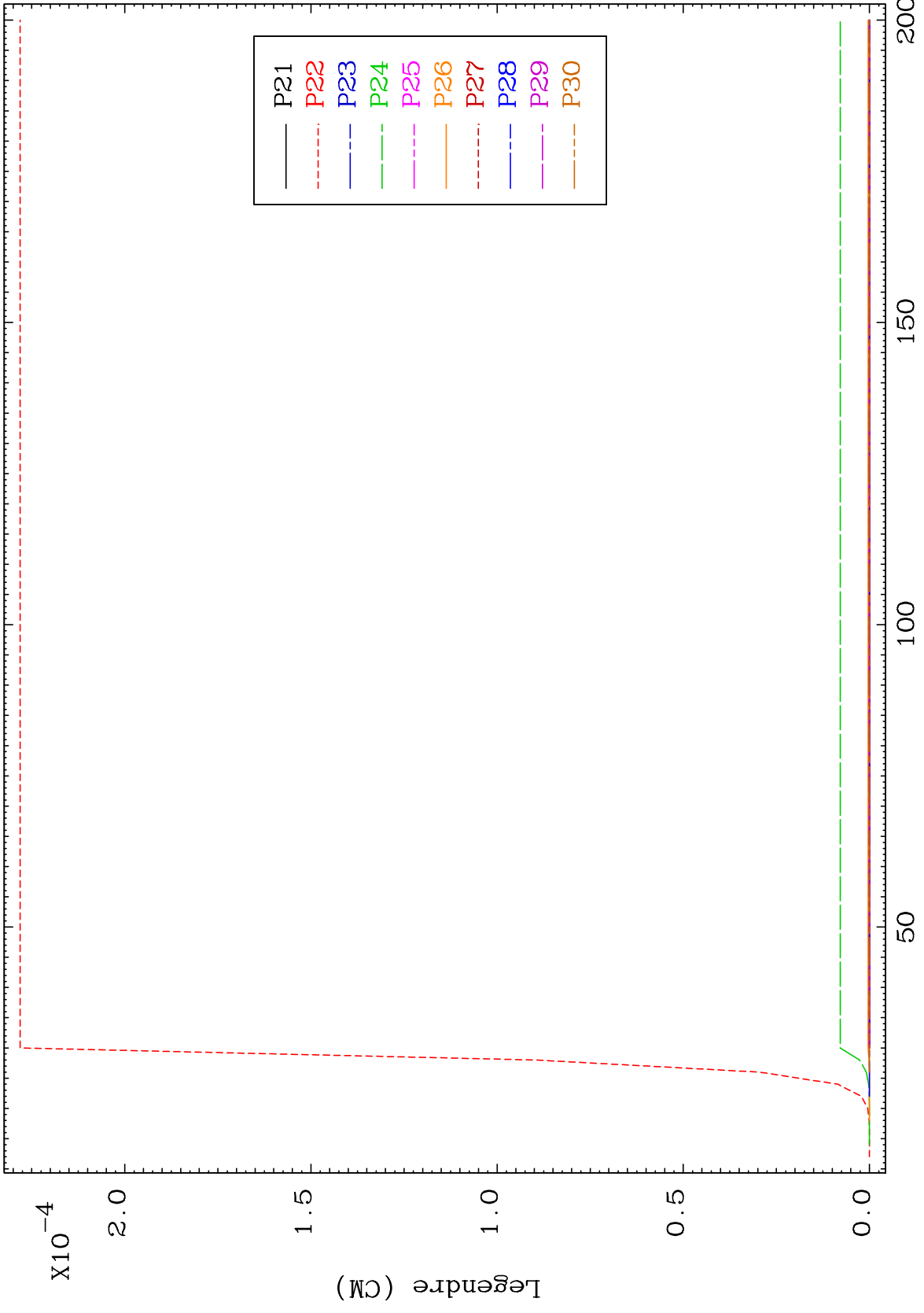


41

Incident Energy (MeV)

82-Pb-202

MAT 8219 MT= 56 (n,n') Level Legendre Coefficients 82-Pb-202

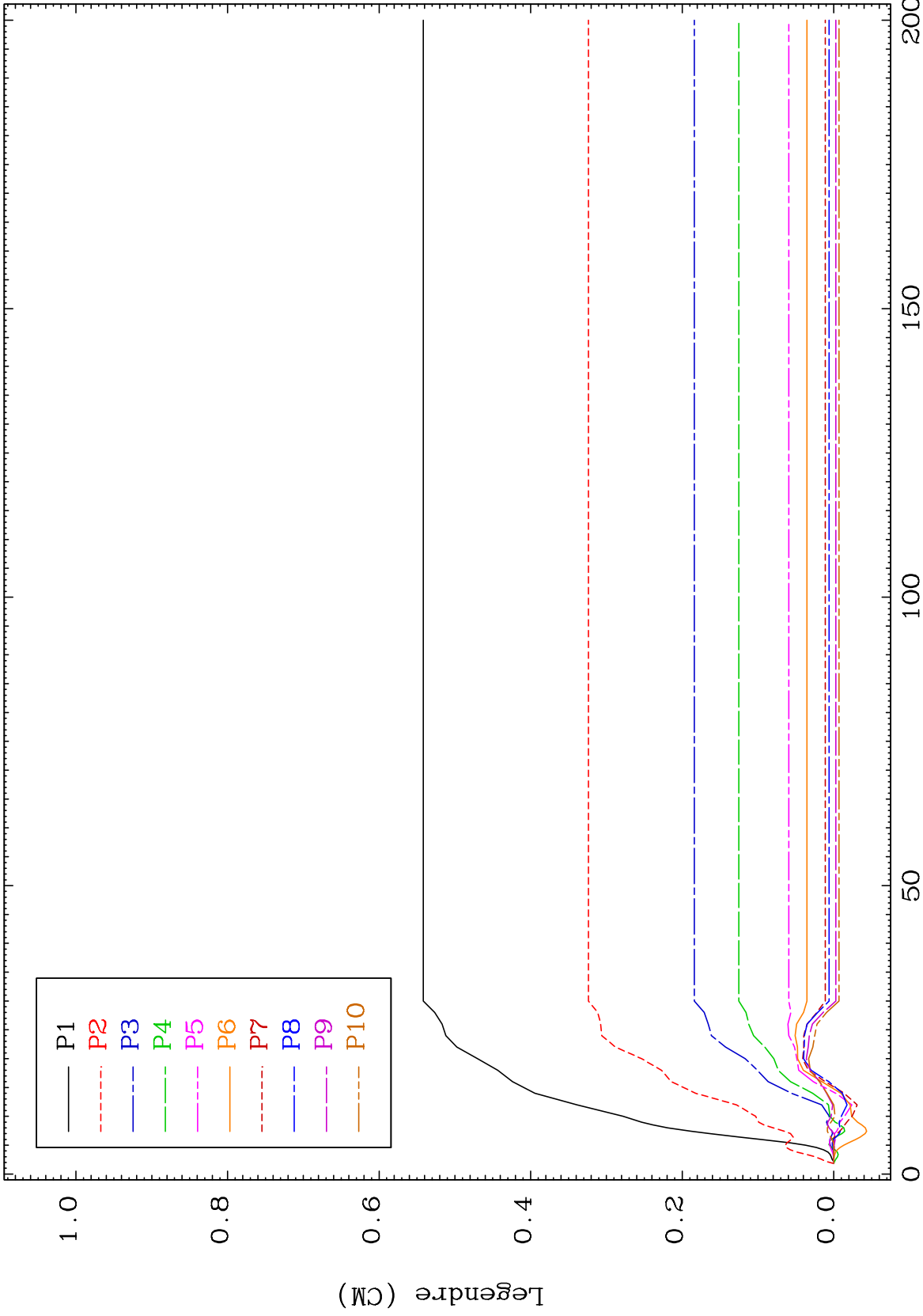


42 Incident Energy (MeV) 82-Pb-202

MAT 8219

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

82-Pb-202



43

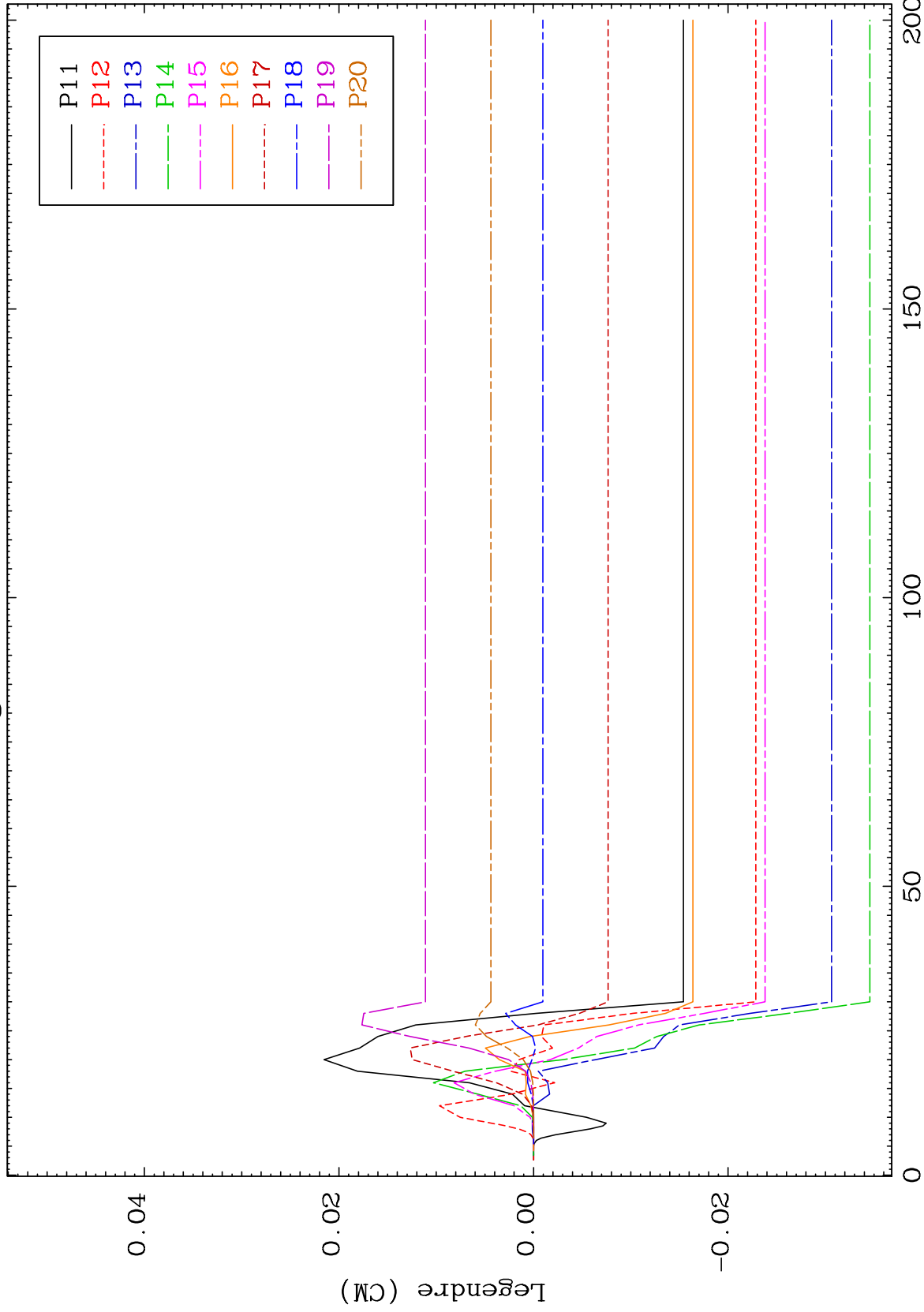
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



44

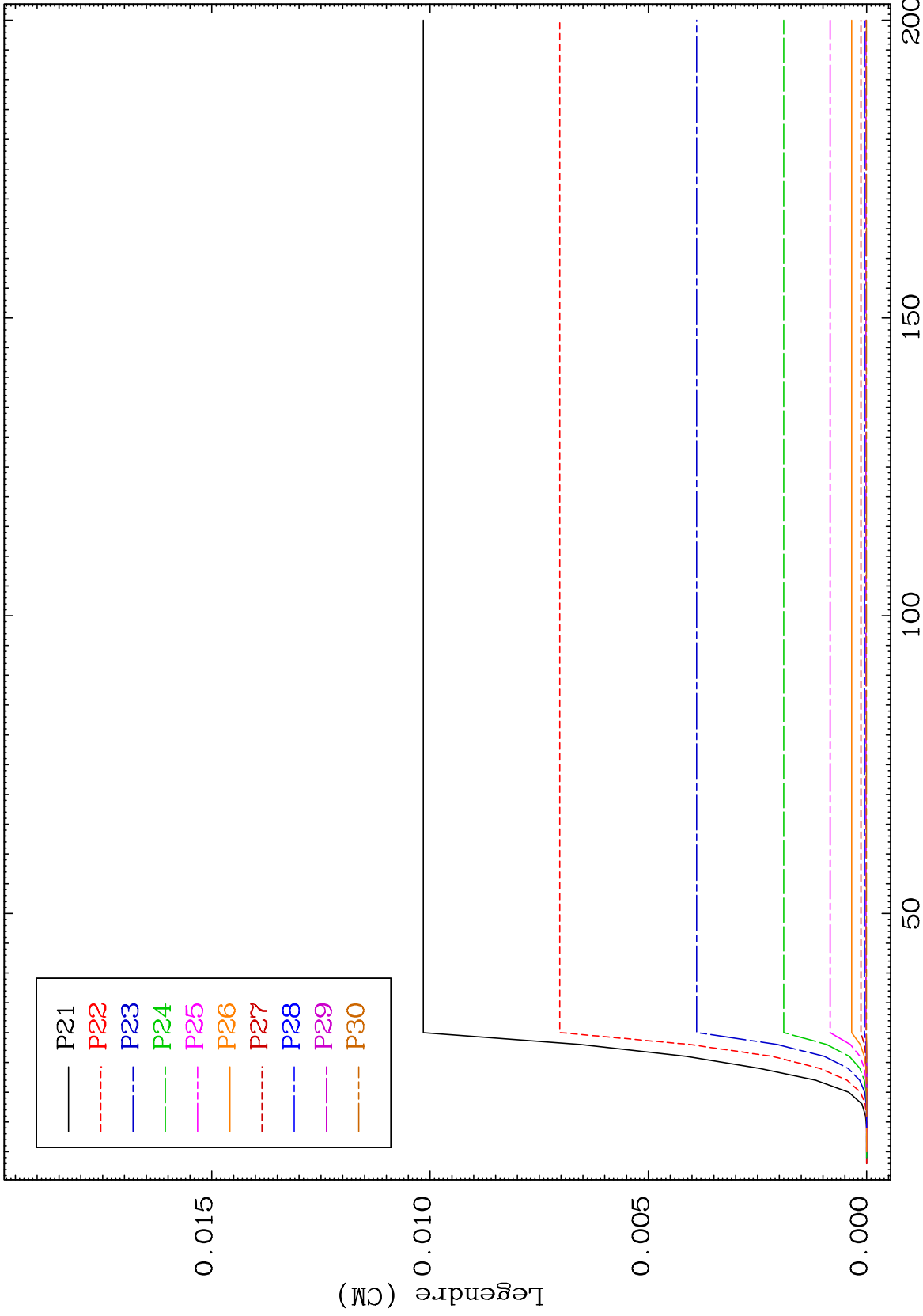
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



45

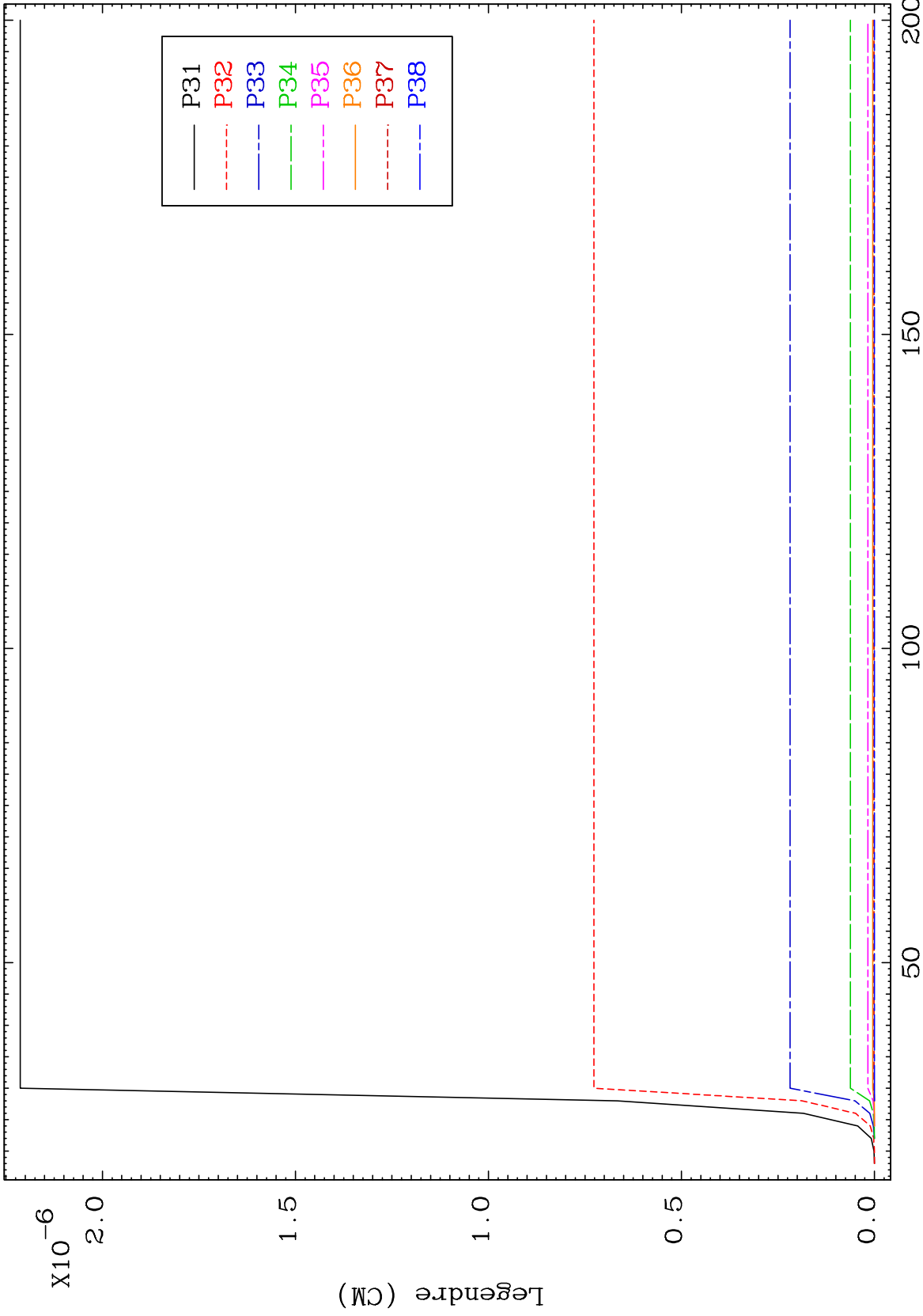
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



46

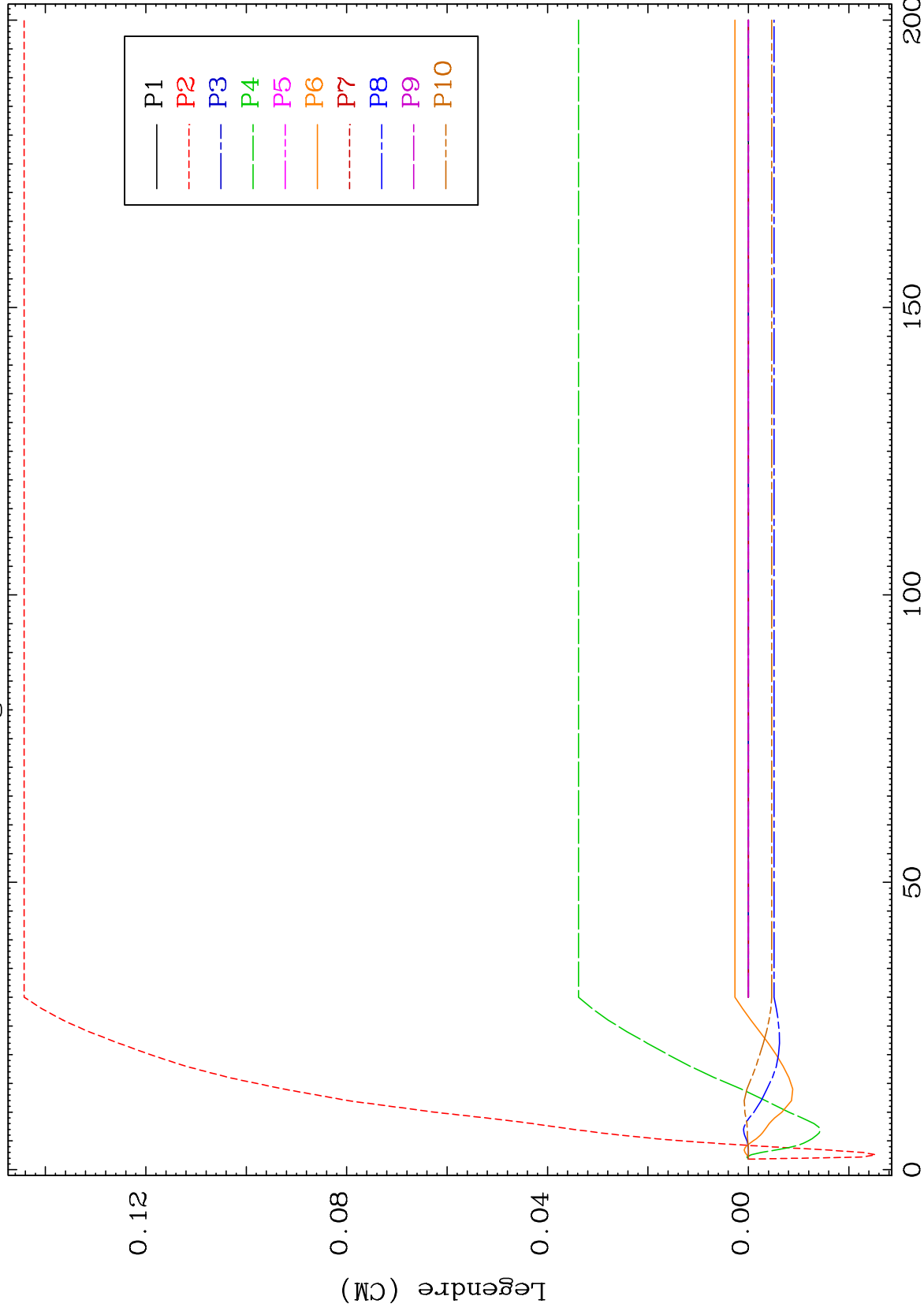
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



47

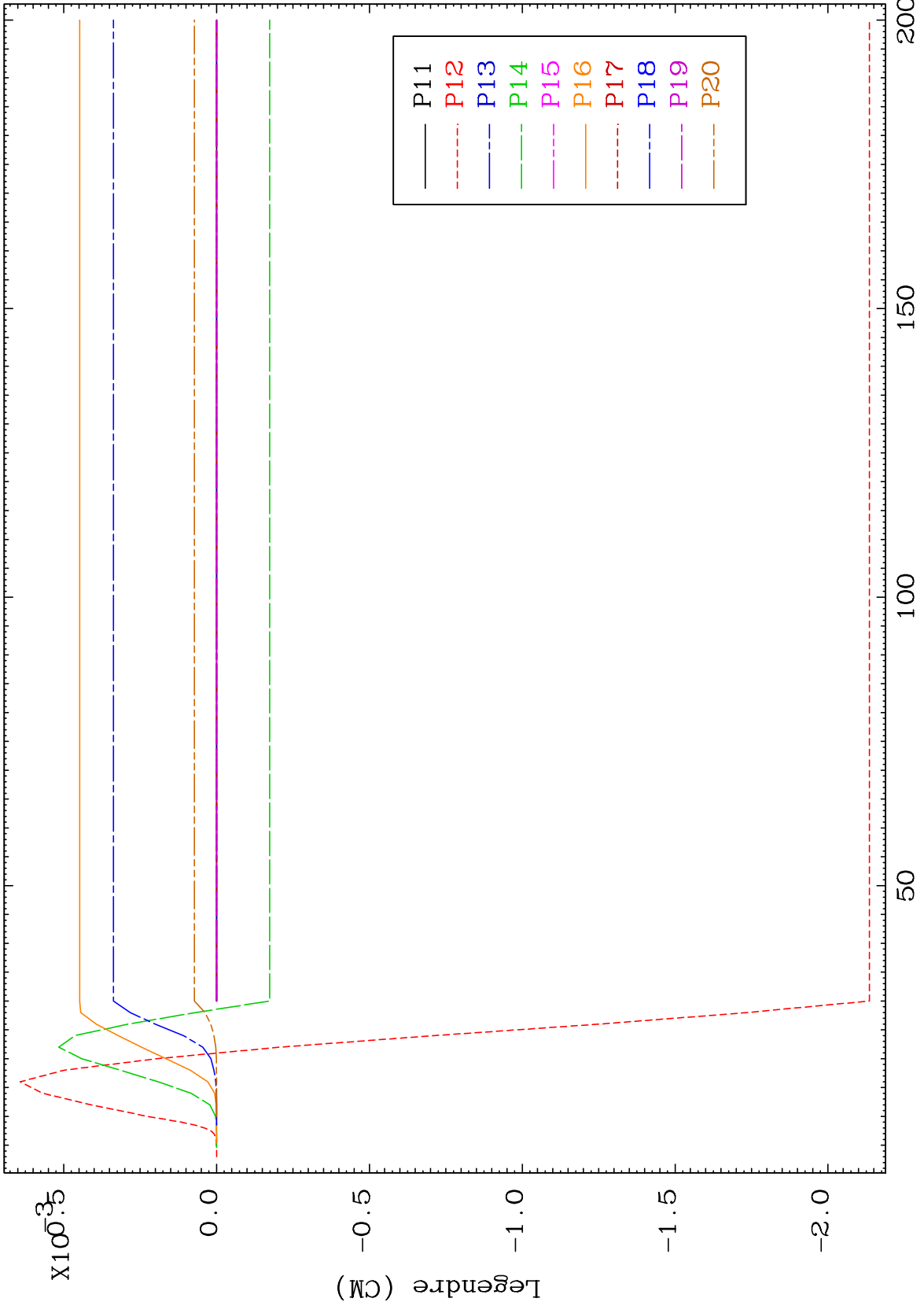
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



48

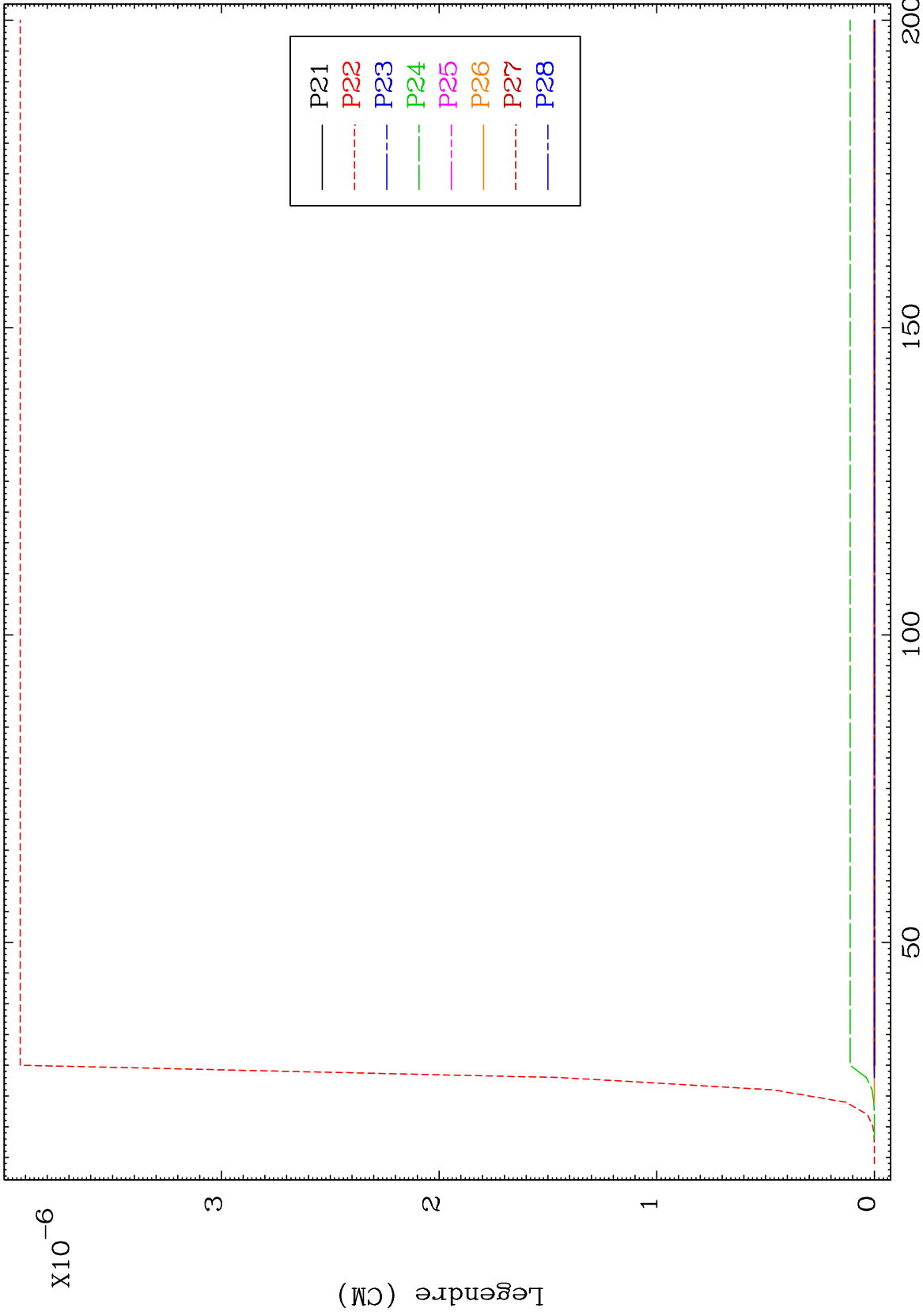
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202

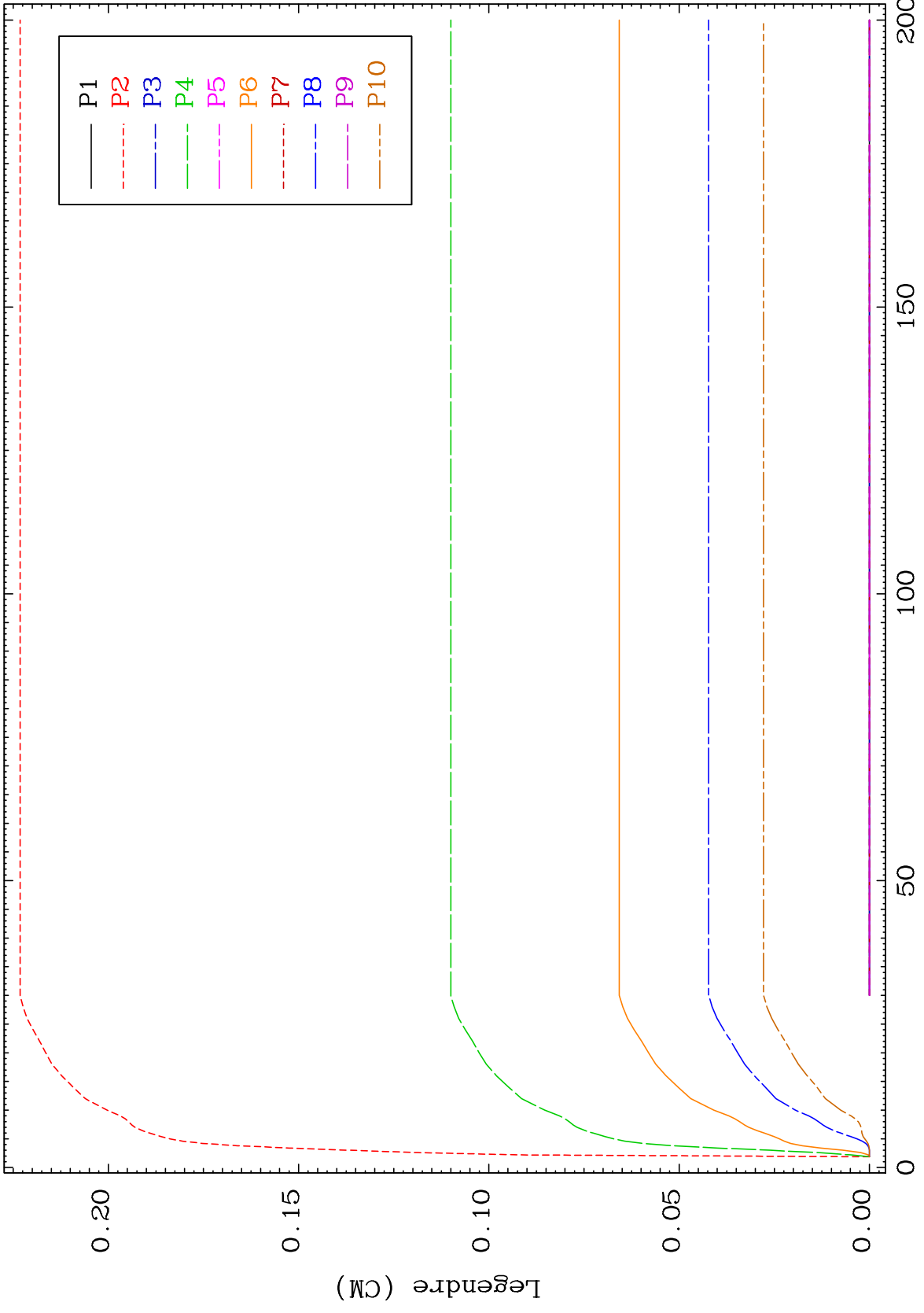


49

Incident Energy (MeV)

82-Pb-202

MAT 8219 MT= 59 (n,n') Level Legendre Coefficients 82-Pb-202

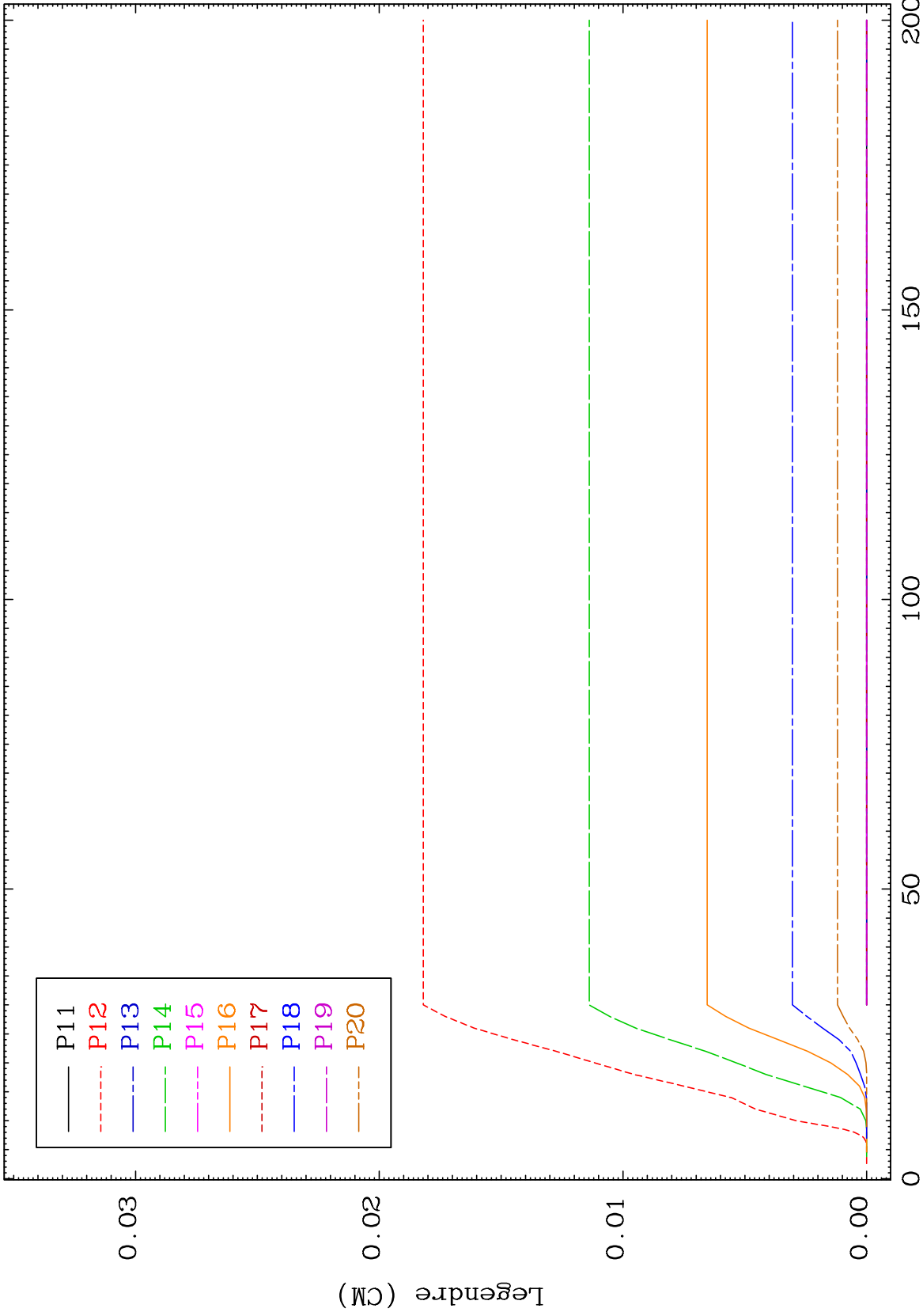


82-Pb-202

MAT 8219

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

82-Pb-202

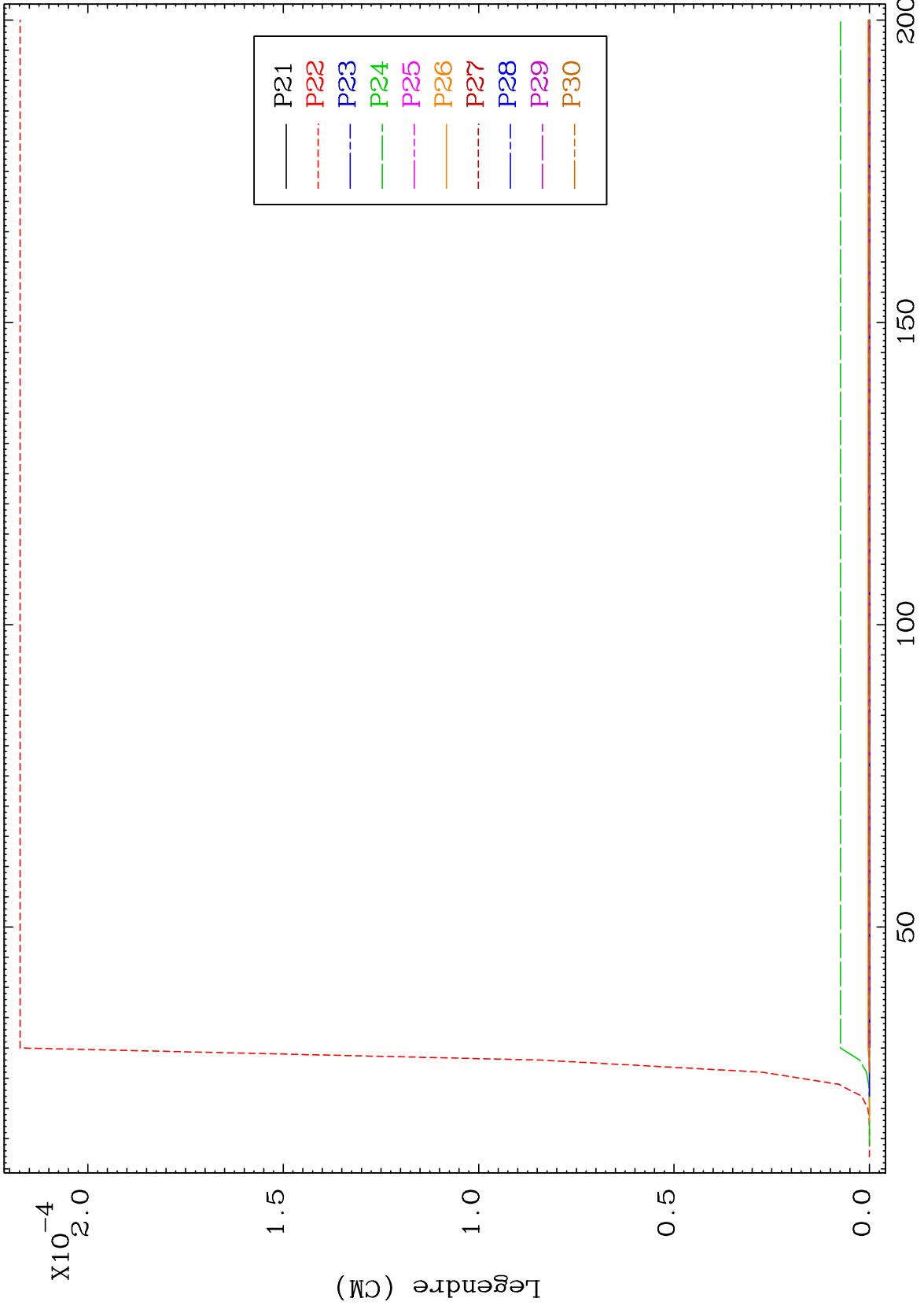


51

Incident Energy (MeV)

82-Pb-202

MAT 8219 MT= 59 (n,n') Level Legendre Coefficients 82-Pb-202

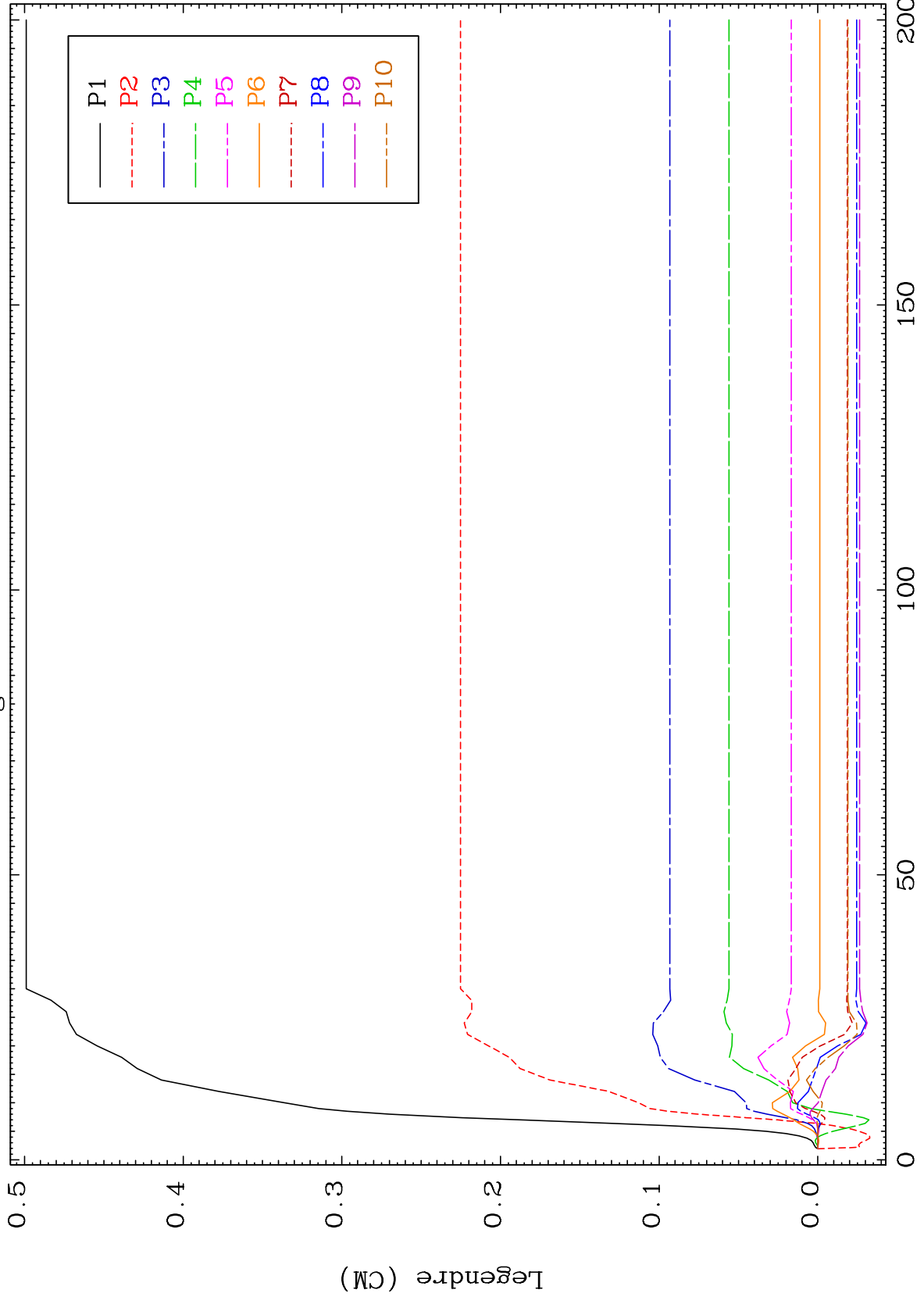


52 82-Pb-202

MAT 8219

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

82-Pb-202



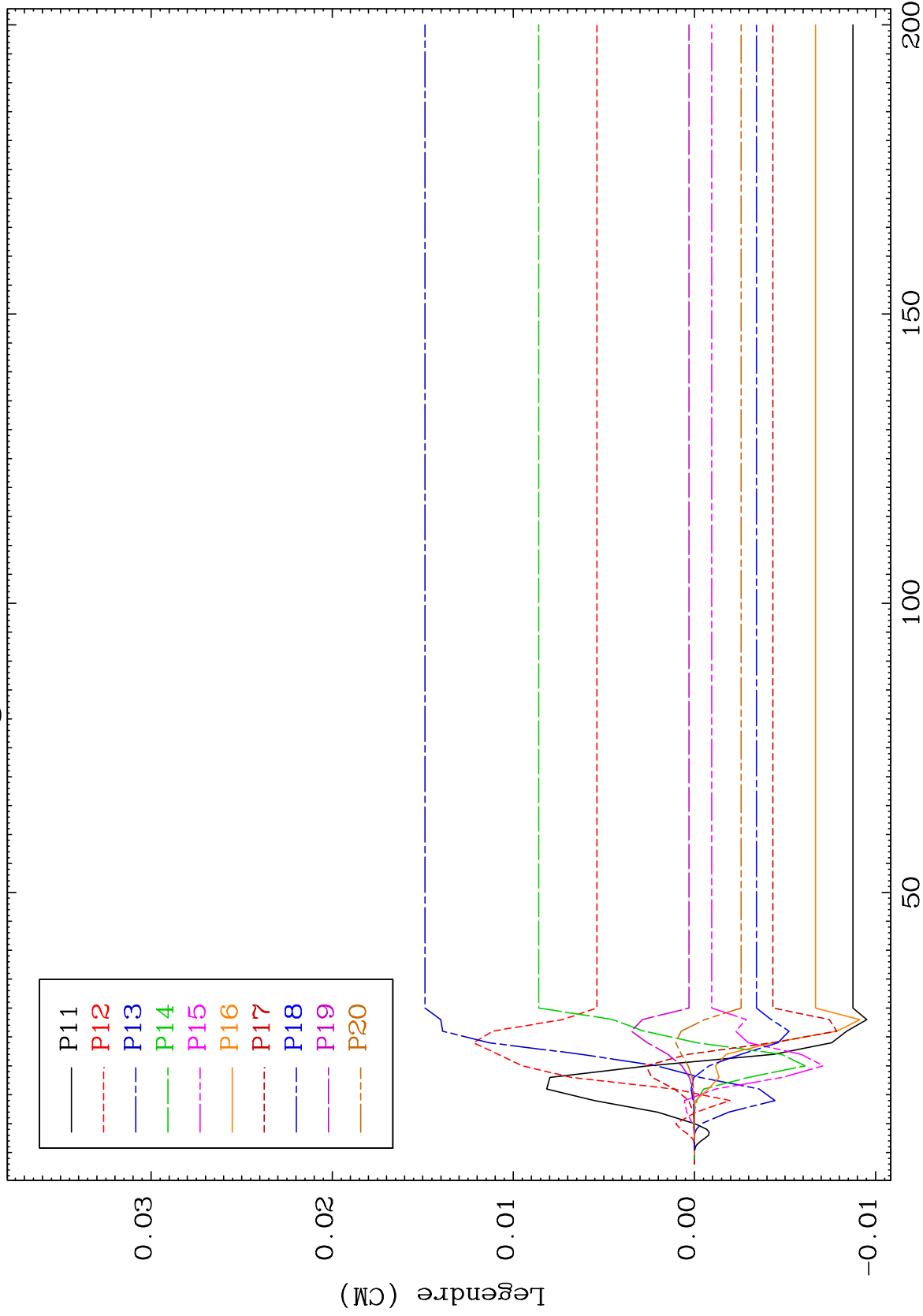
53

82-Pb-202

MAT 8219

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

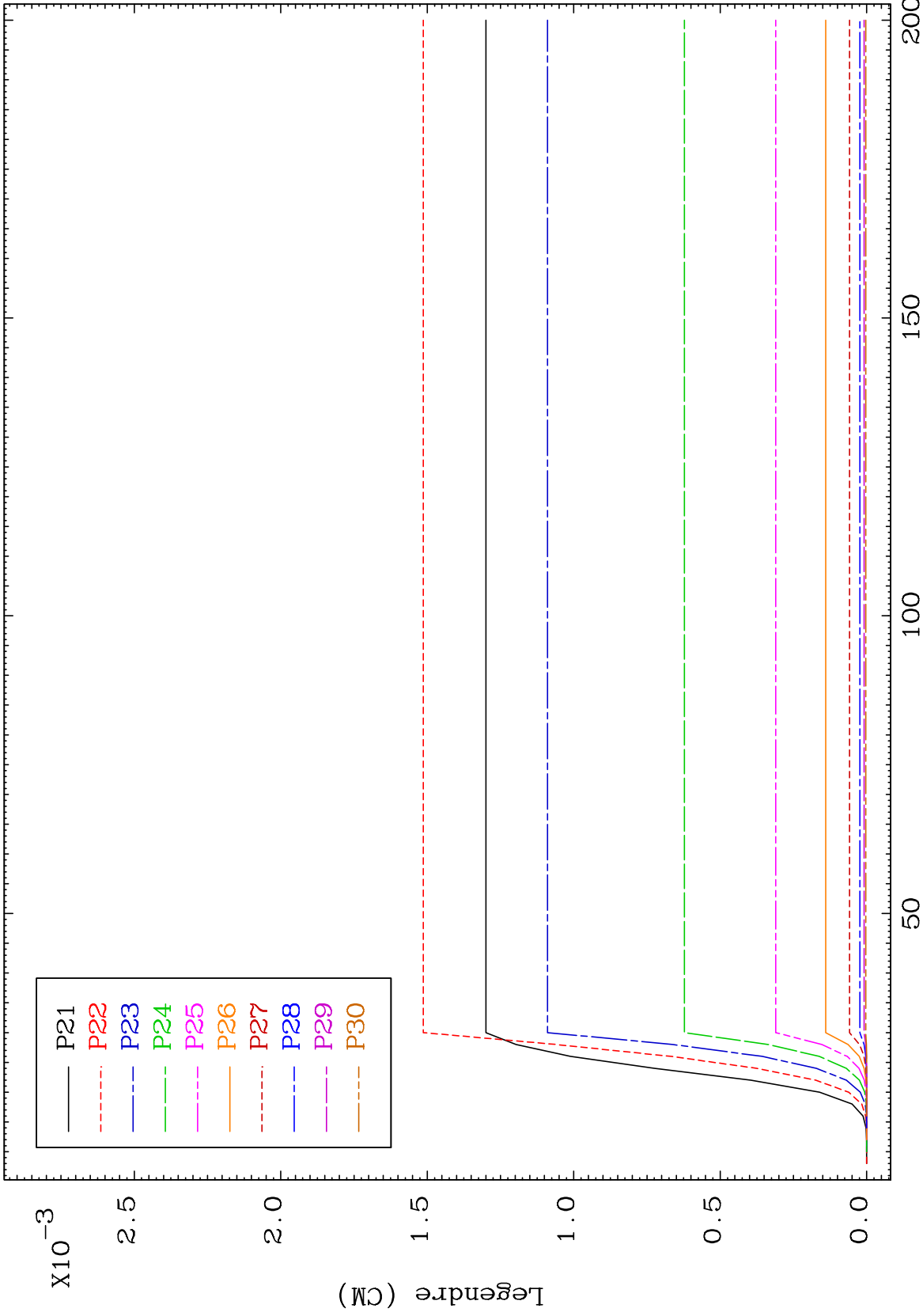
82-Pb-202



MAT 8219

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

82-Pb-202



55

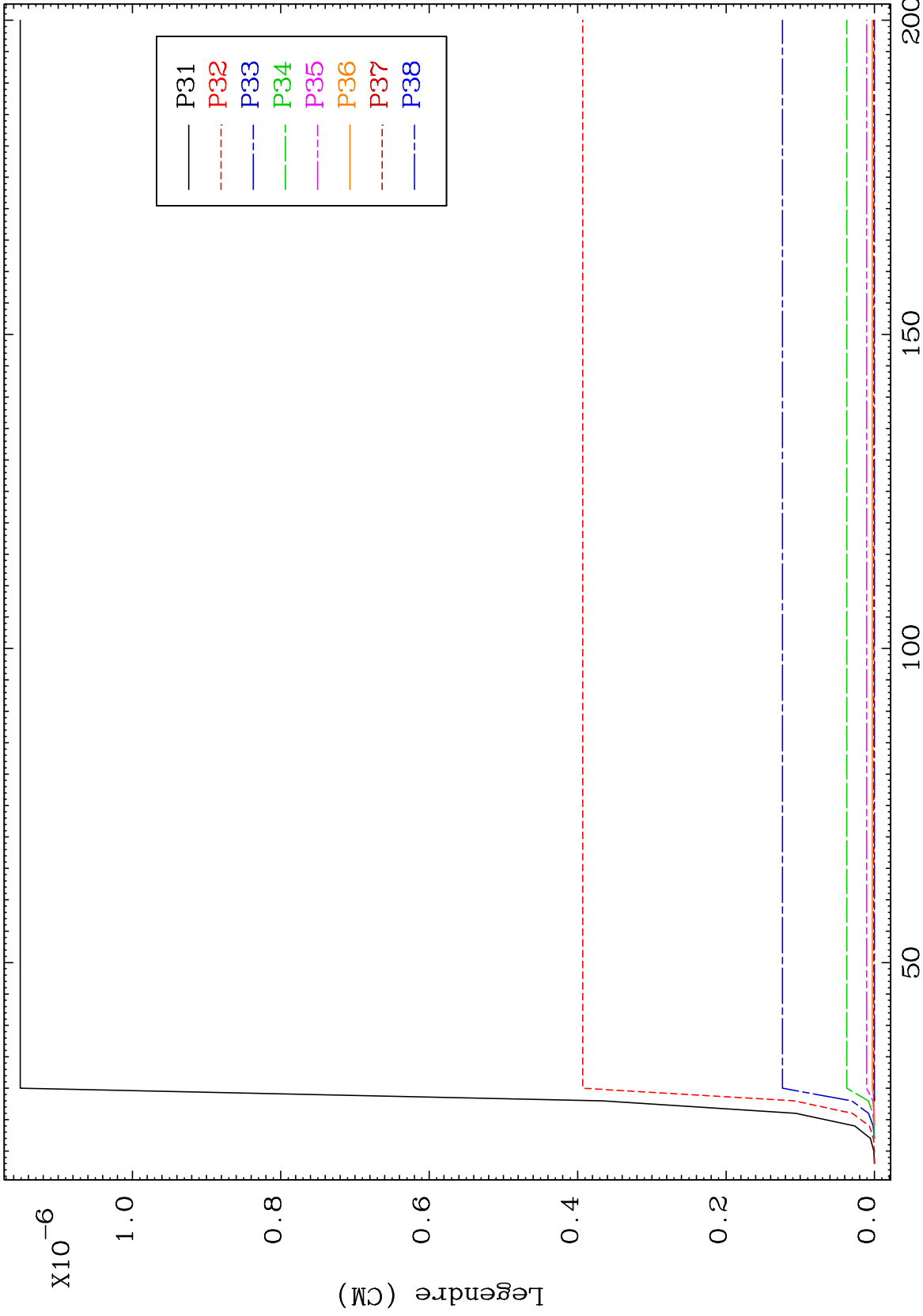
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202

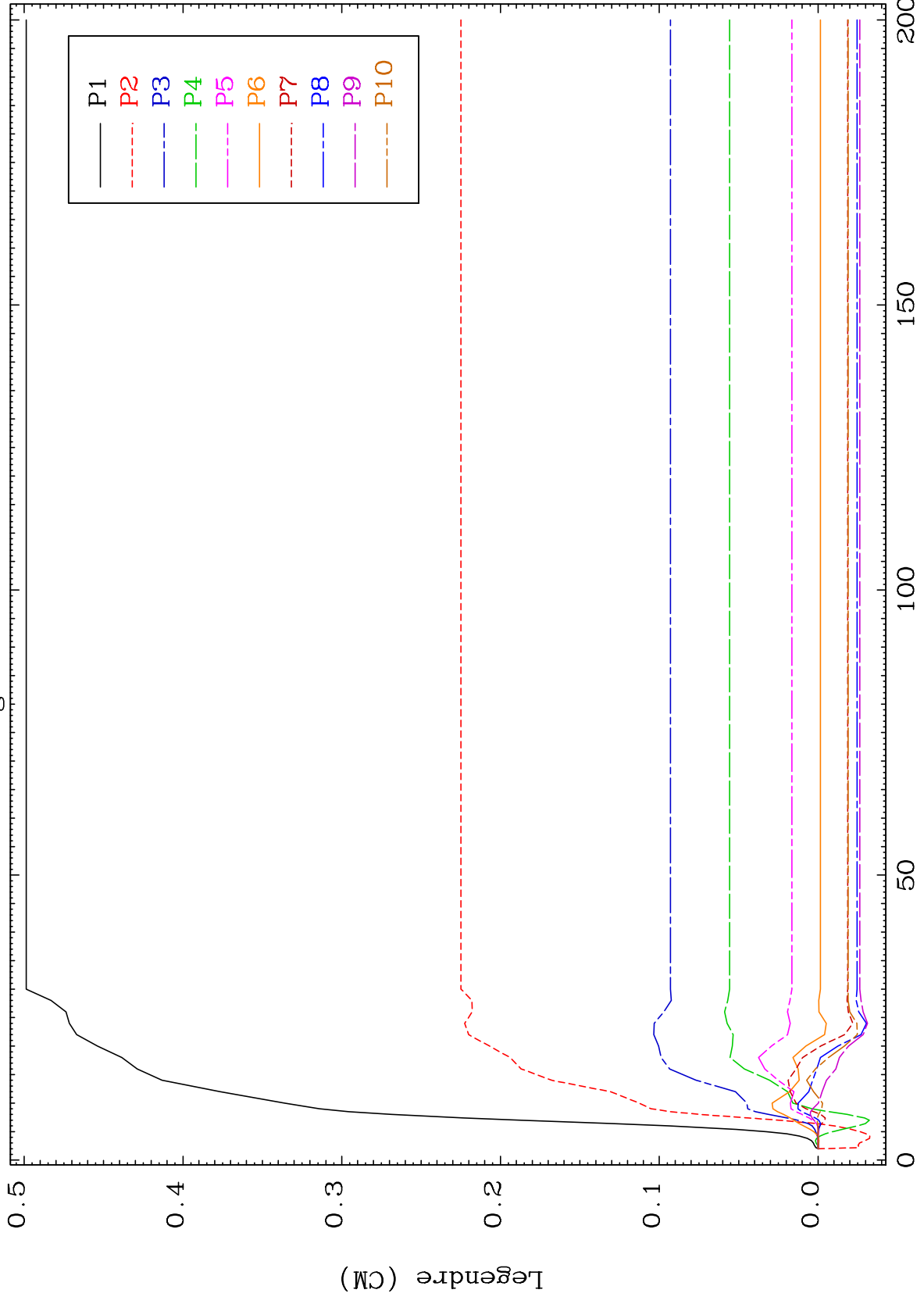


56

Incident Energy (MeV)

82-Pb-202

MAT 8219 MT= 61 (n,n') Level Legendre Coefficients 82-Pb-202

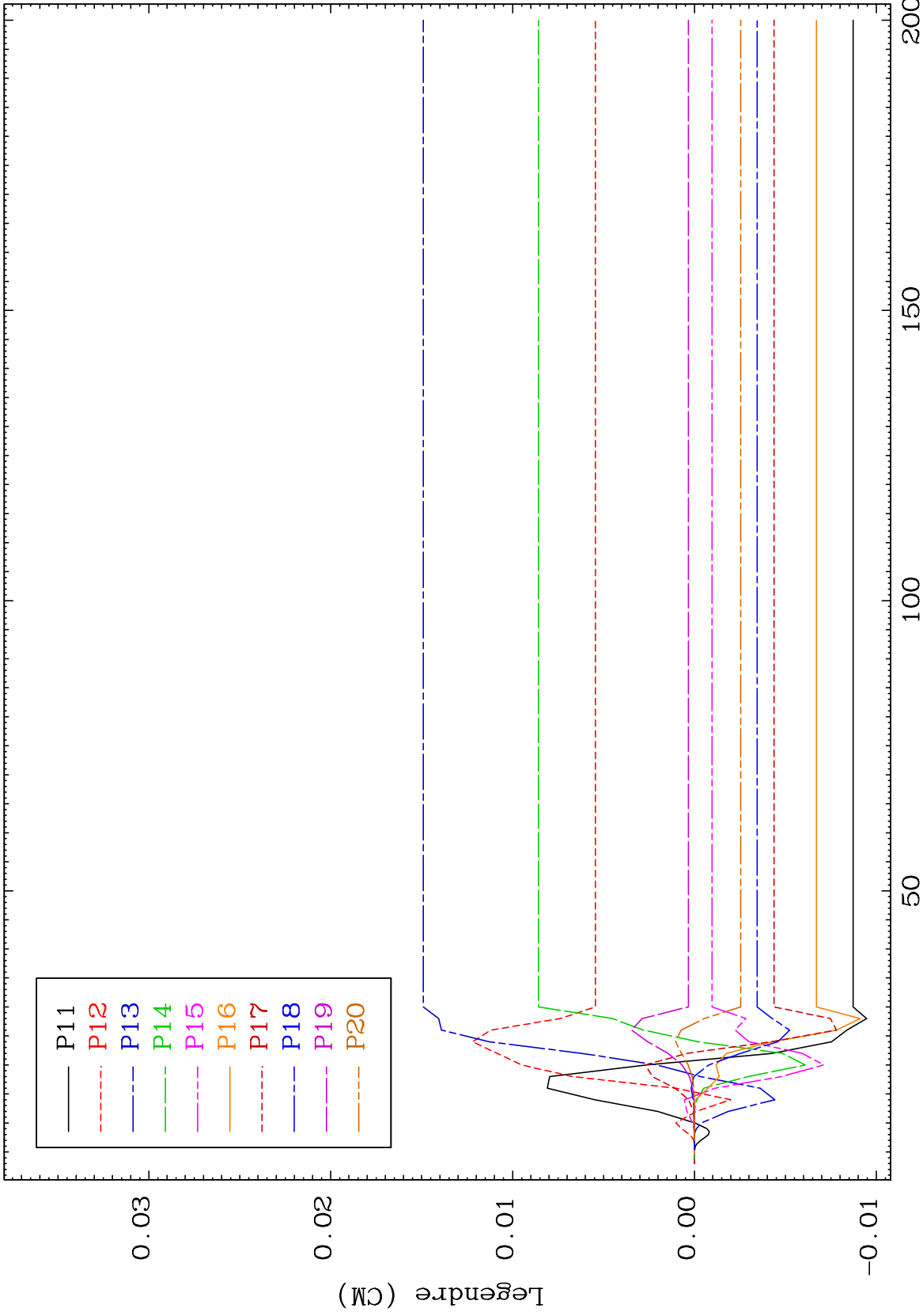


57 82-Pb-202

MAT 8219

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

82-Pb-202



58

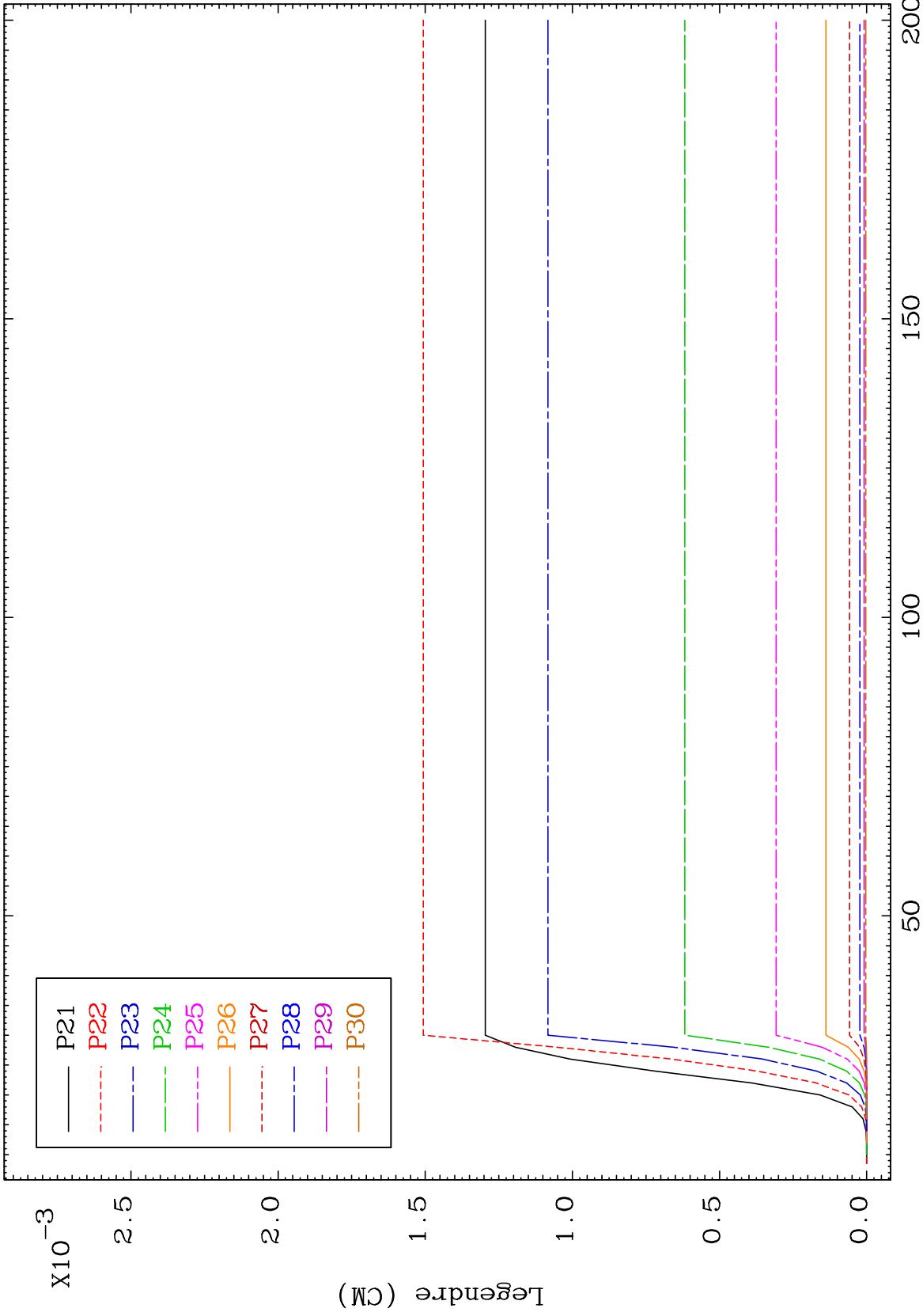
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



59

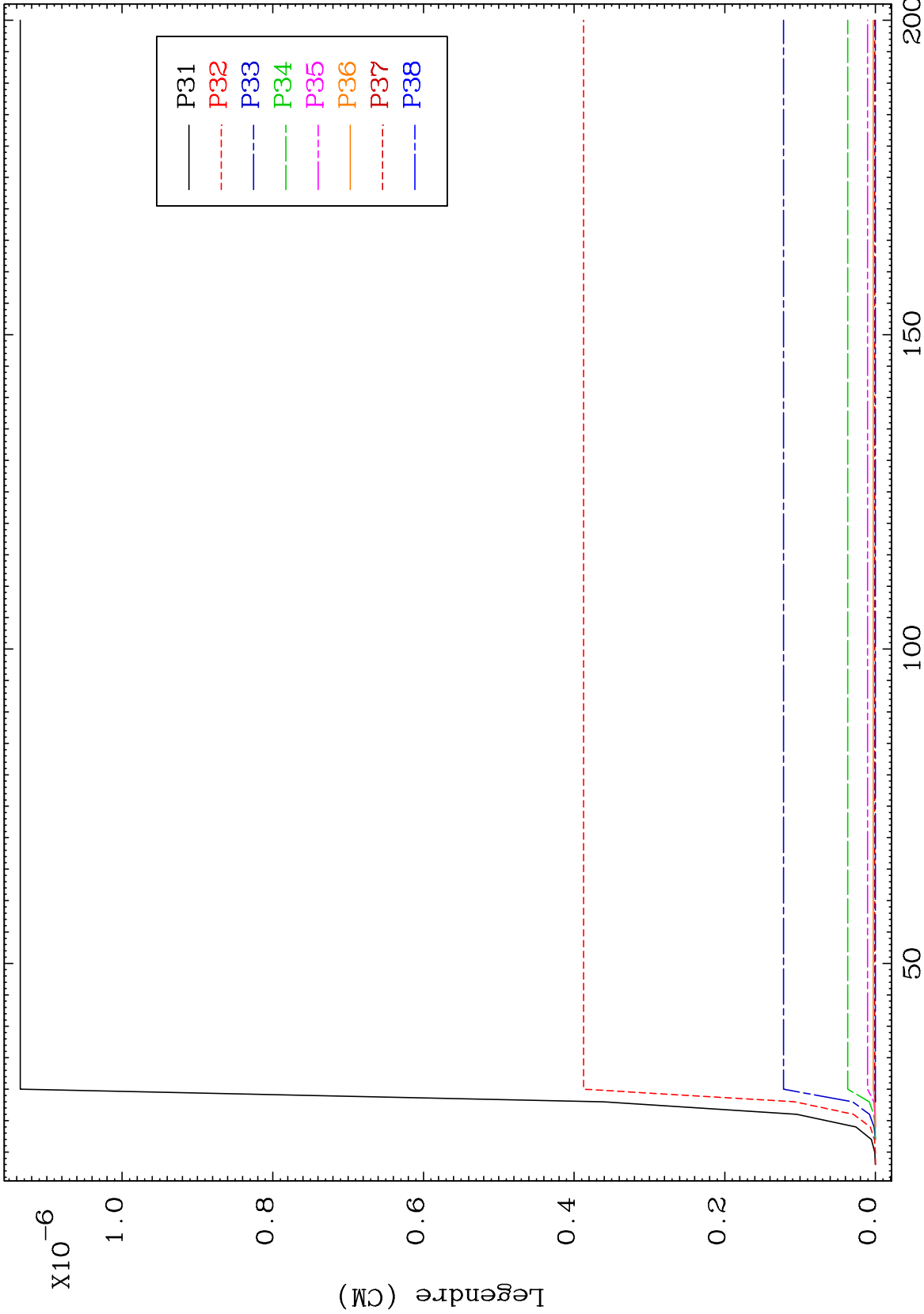
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



60

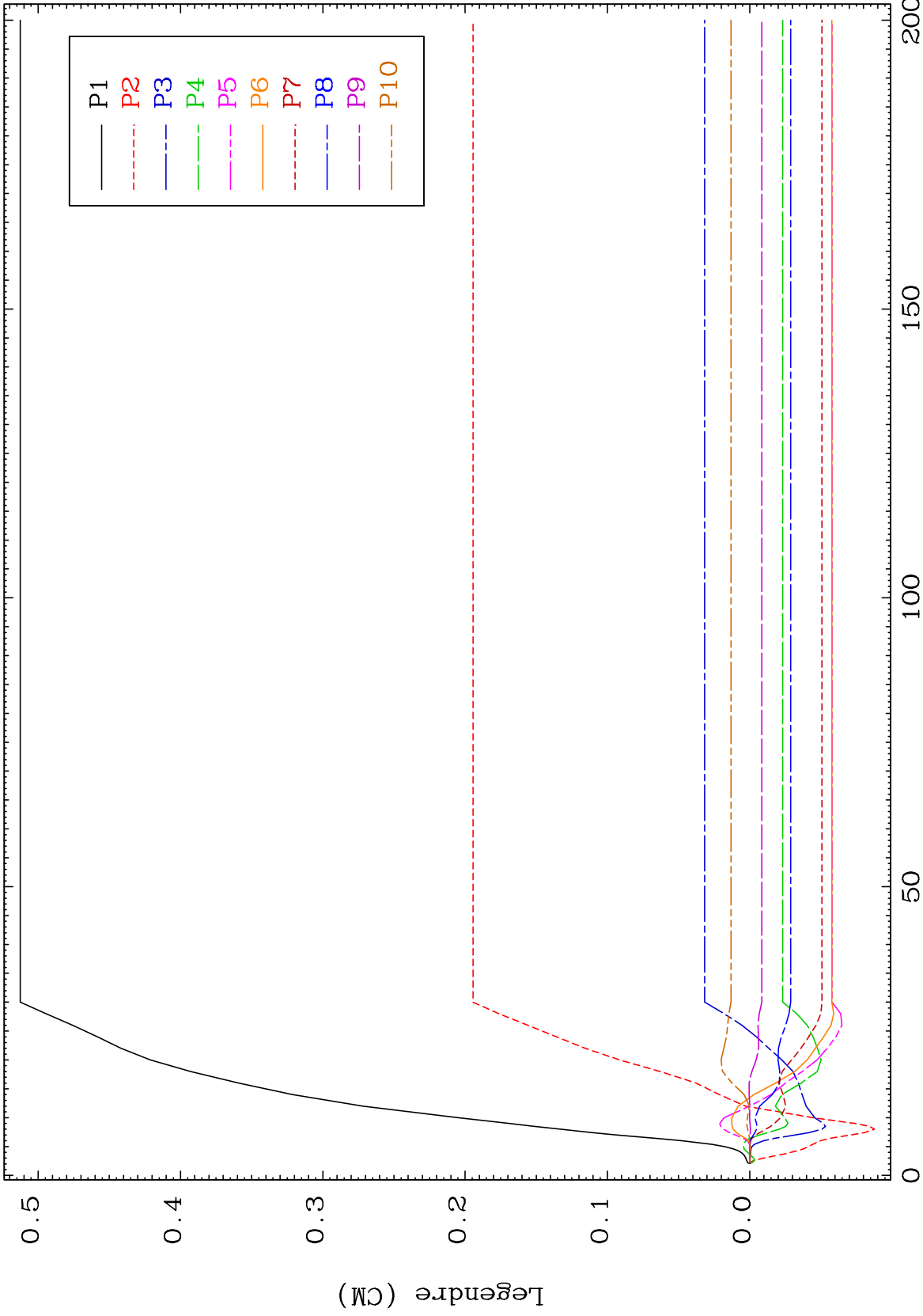
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



61

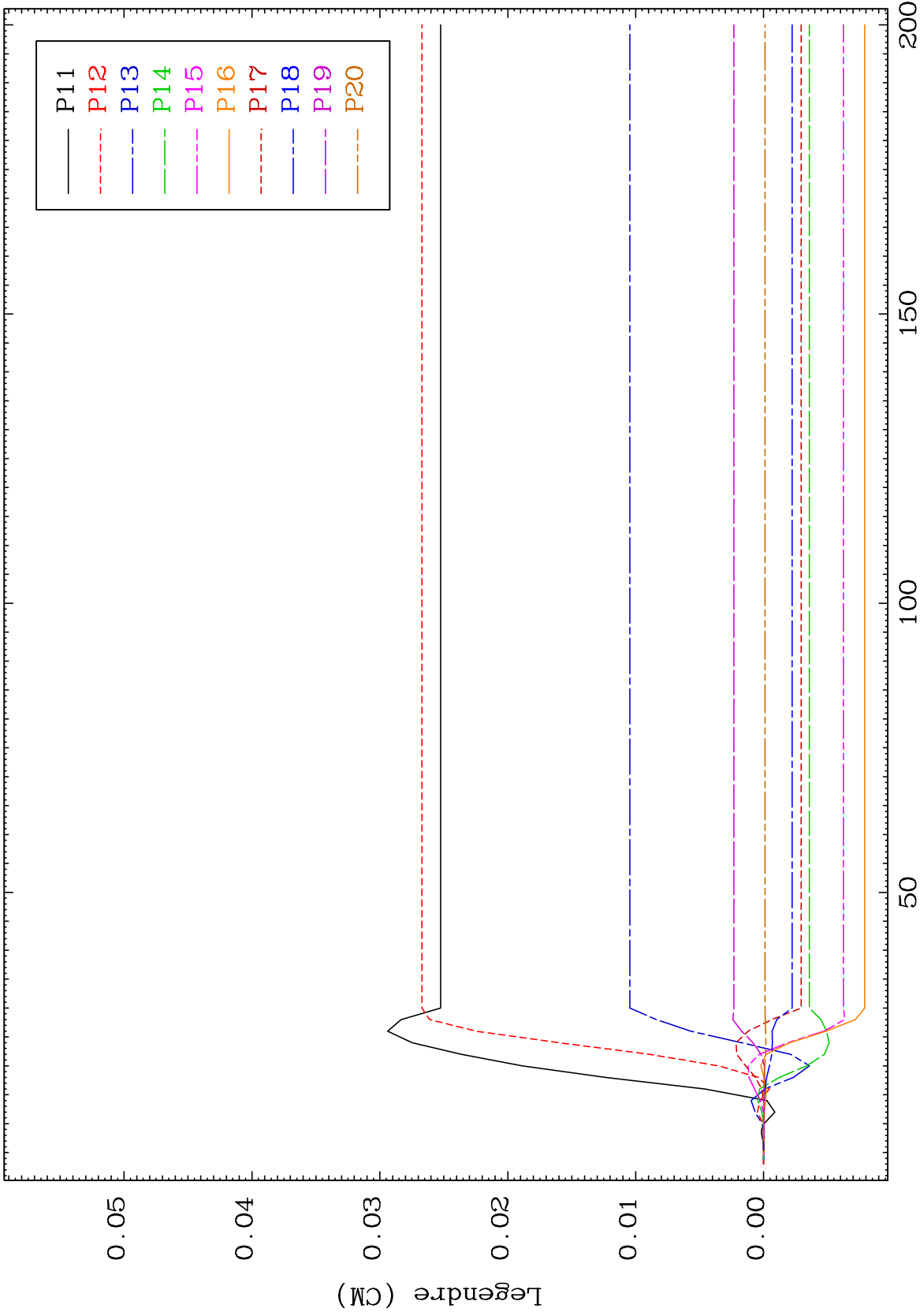
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



62

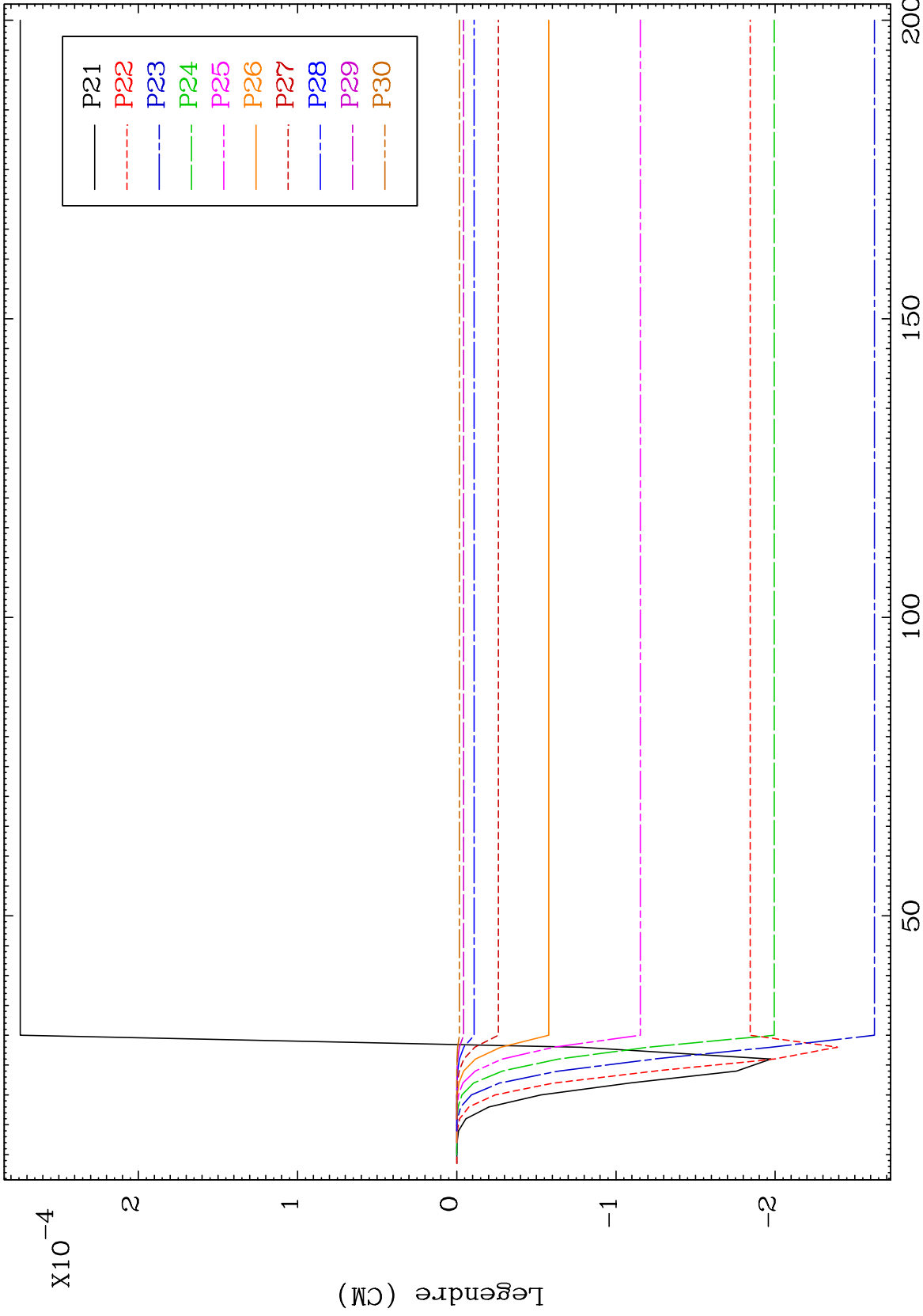
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



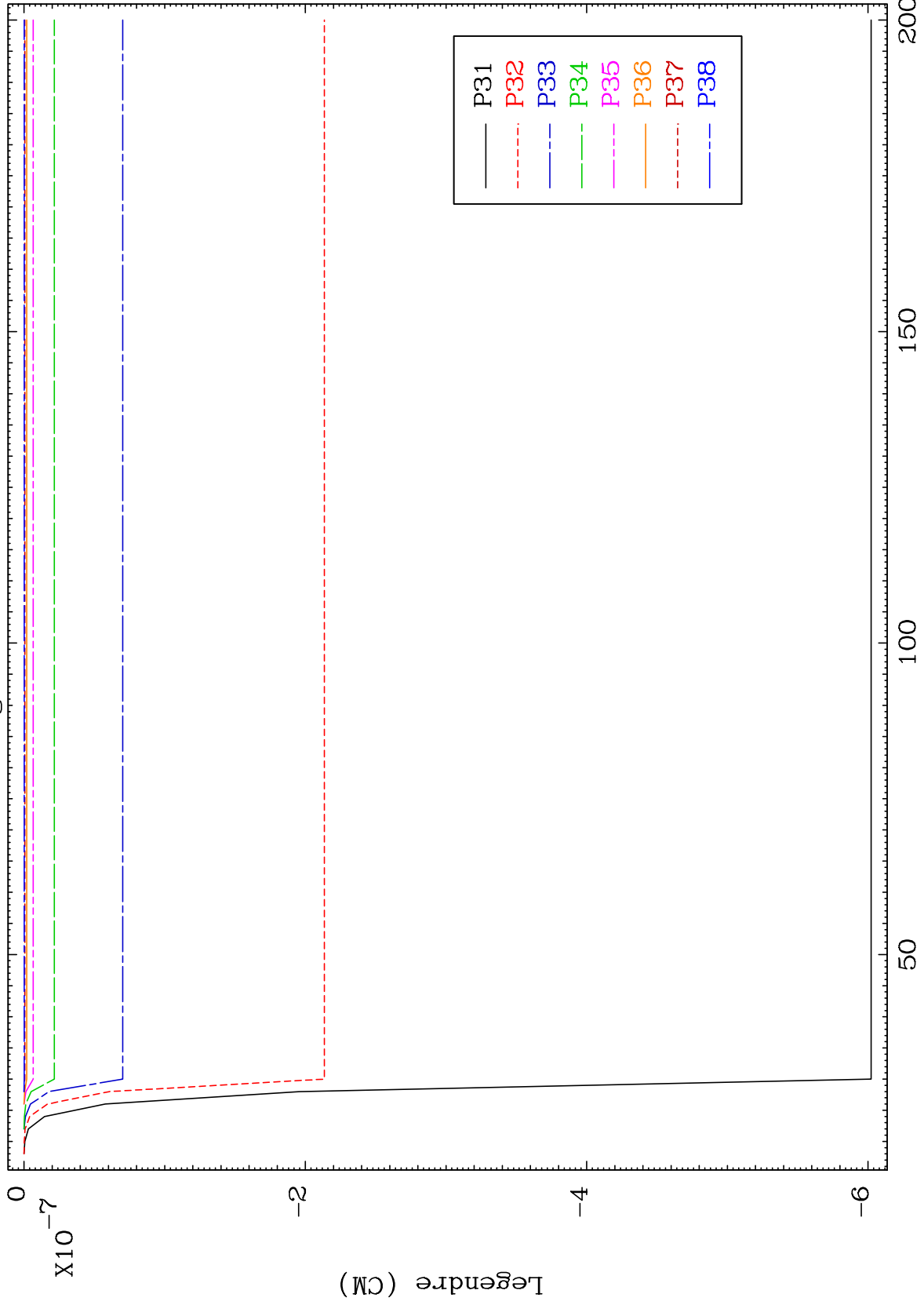
63

82-Pb-202

MAT 8219

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

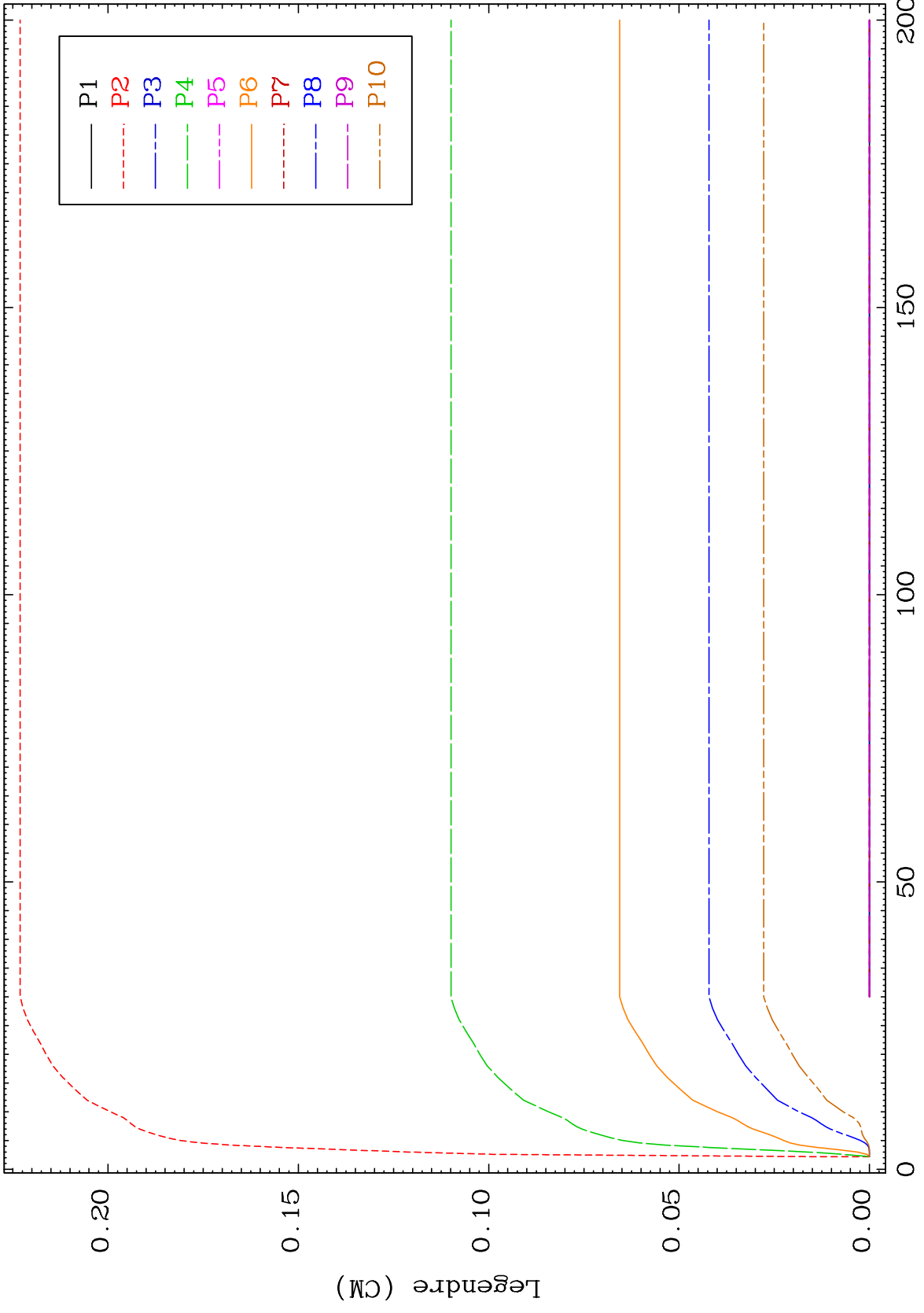
82-Pb-202



64

82-Pb-202

MAT 8219 MT= 63 (n,n') Level Legendre Coefficients 82-Pb-202

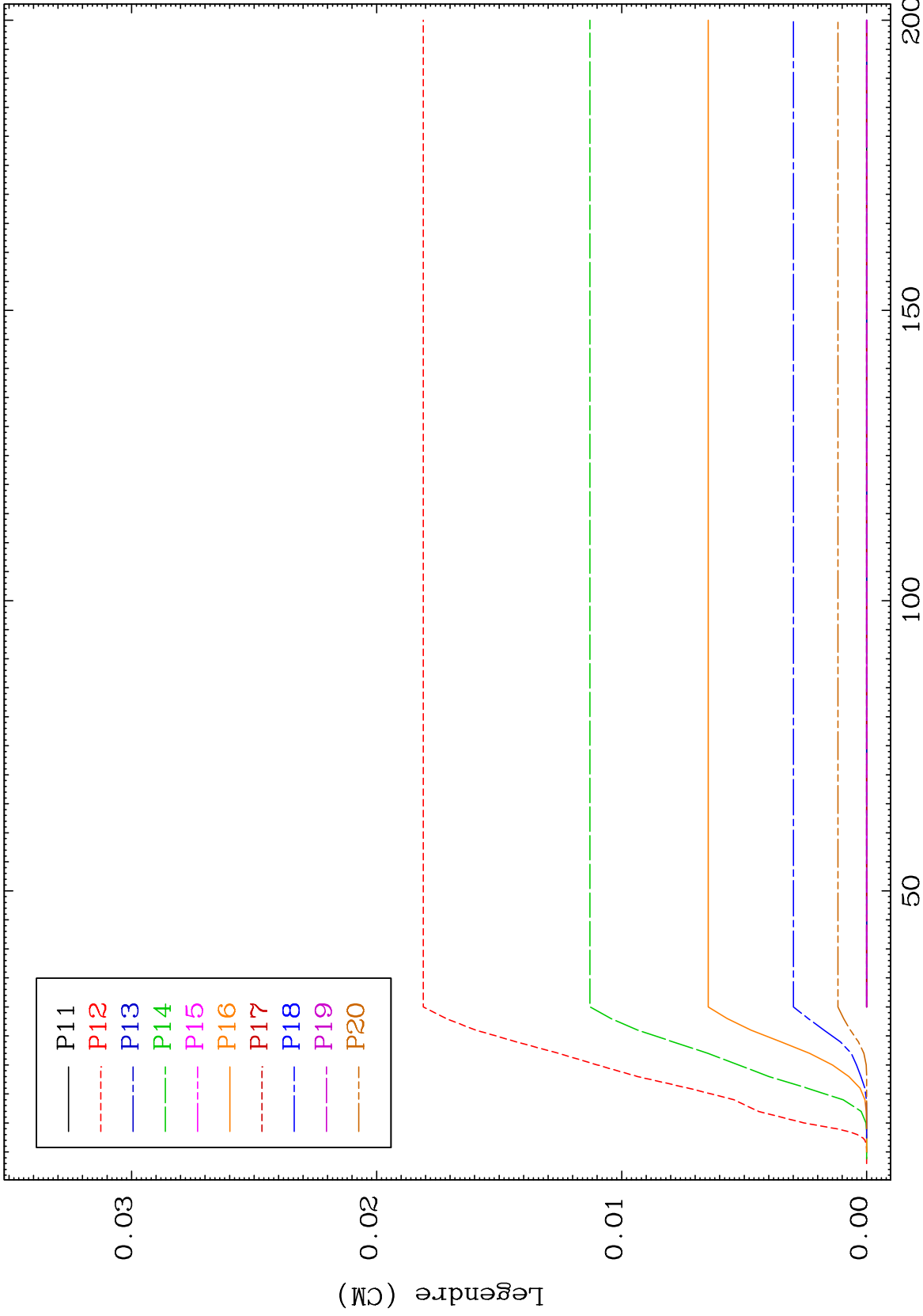


65 Incident Energy (MeV) 82-Pb-202

MAT 8219

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

82-Pb-202

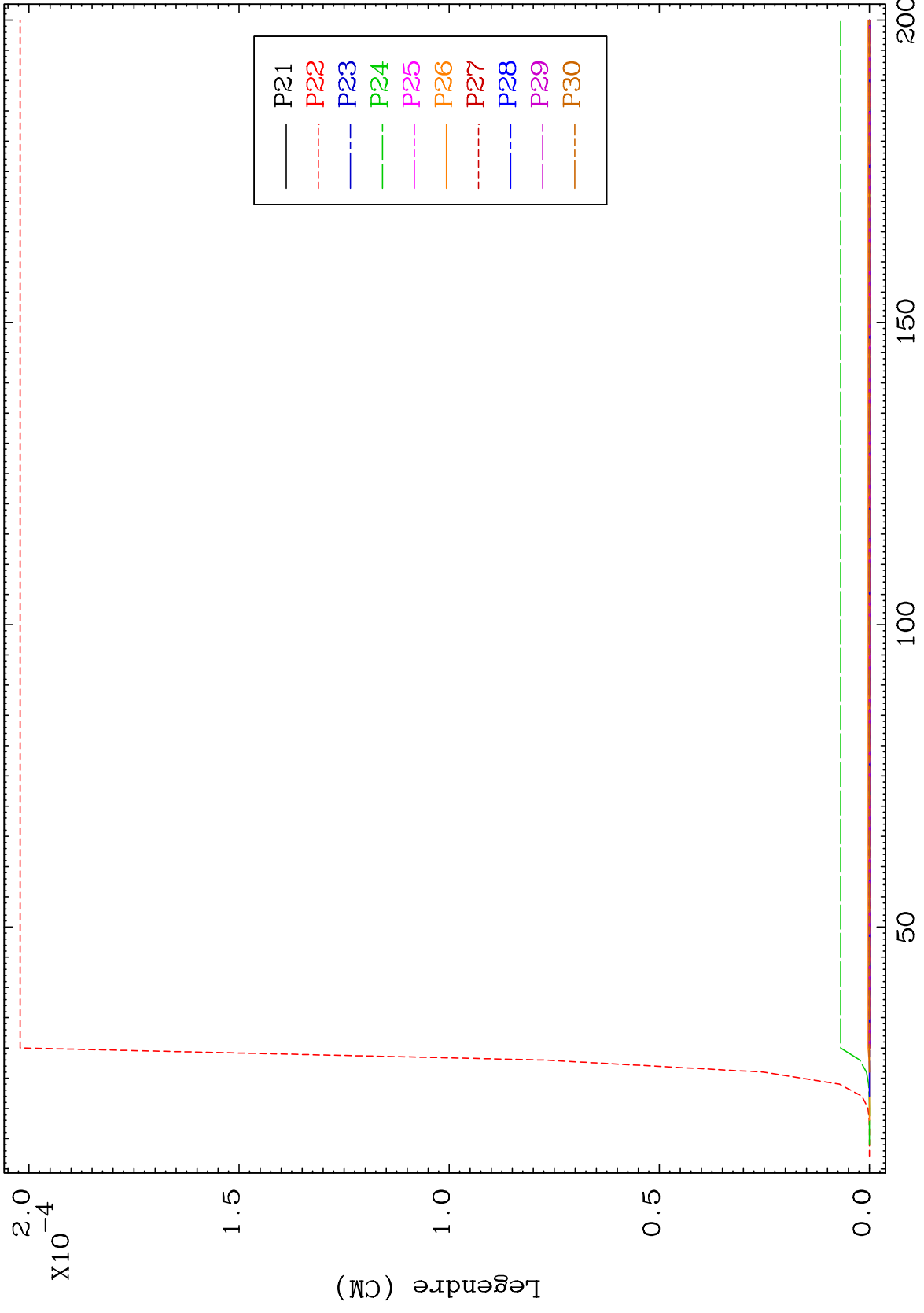


66

Incident Energy (MeV)

82-Pb-202

MAT 8219 MT= 63 (n,n') Level Legendre Coefficients 82-Pb-202

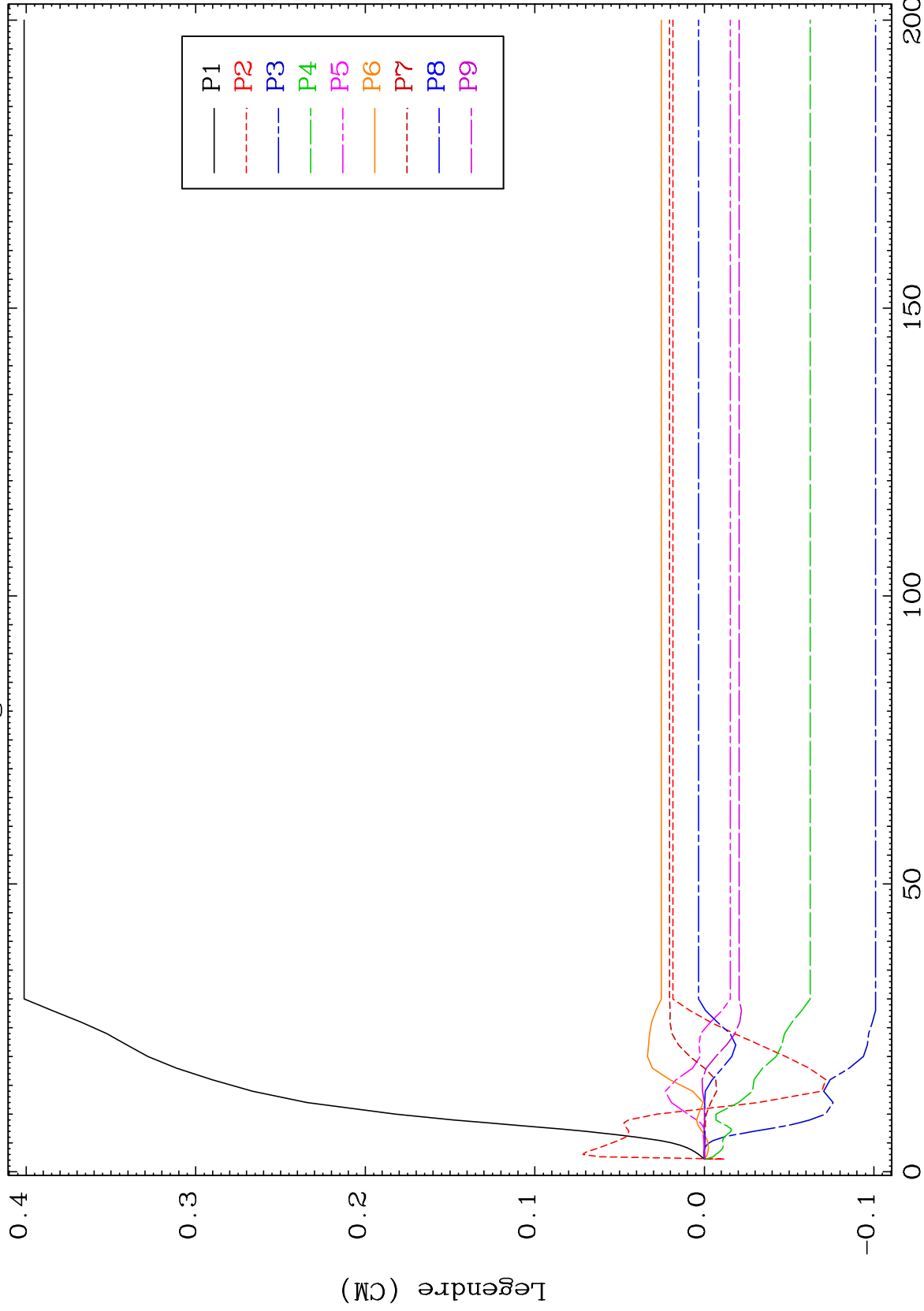


67 82-Pb-202

MAT 8219

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

82-Pb-202



68

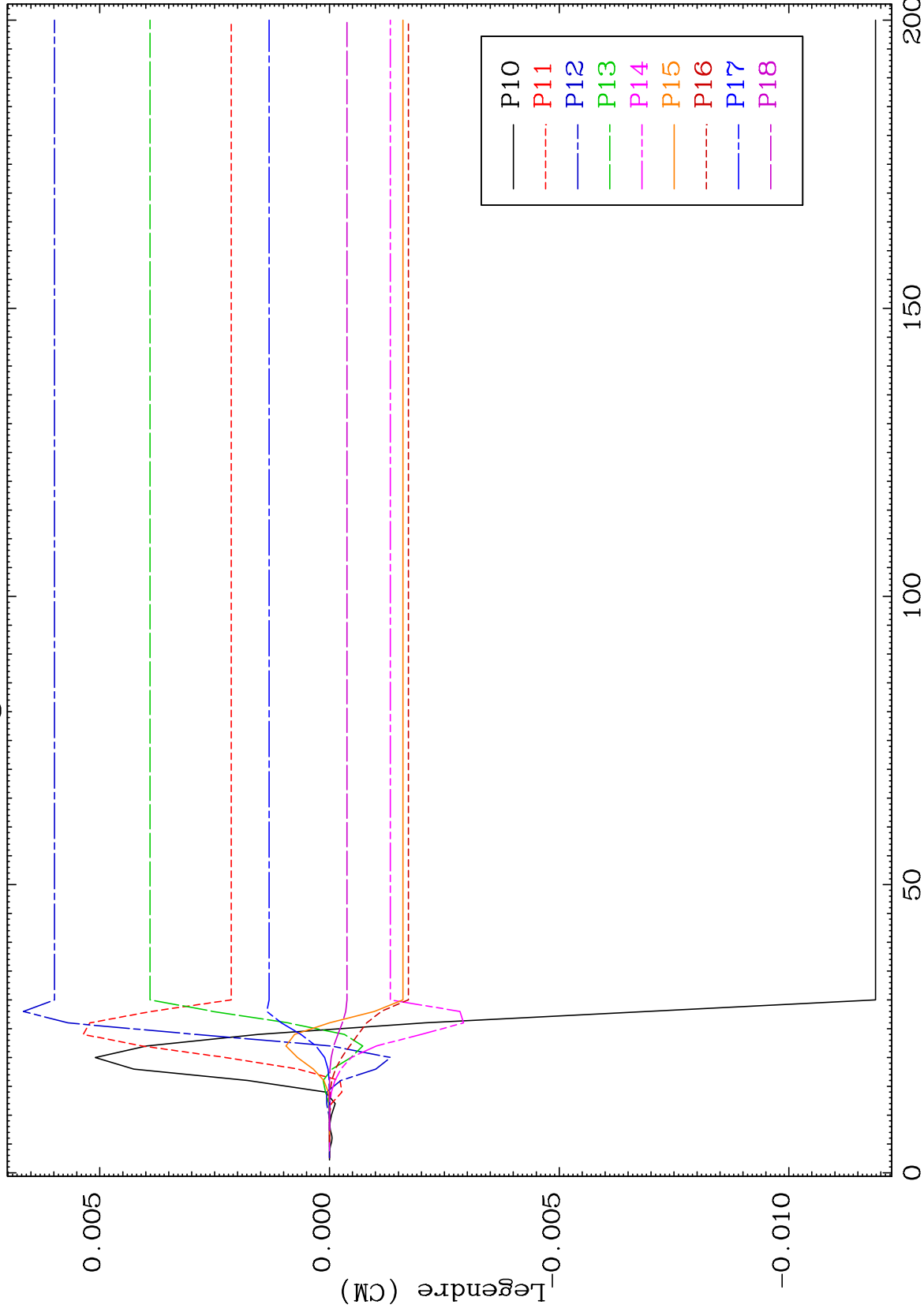
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



69

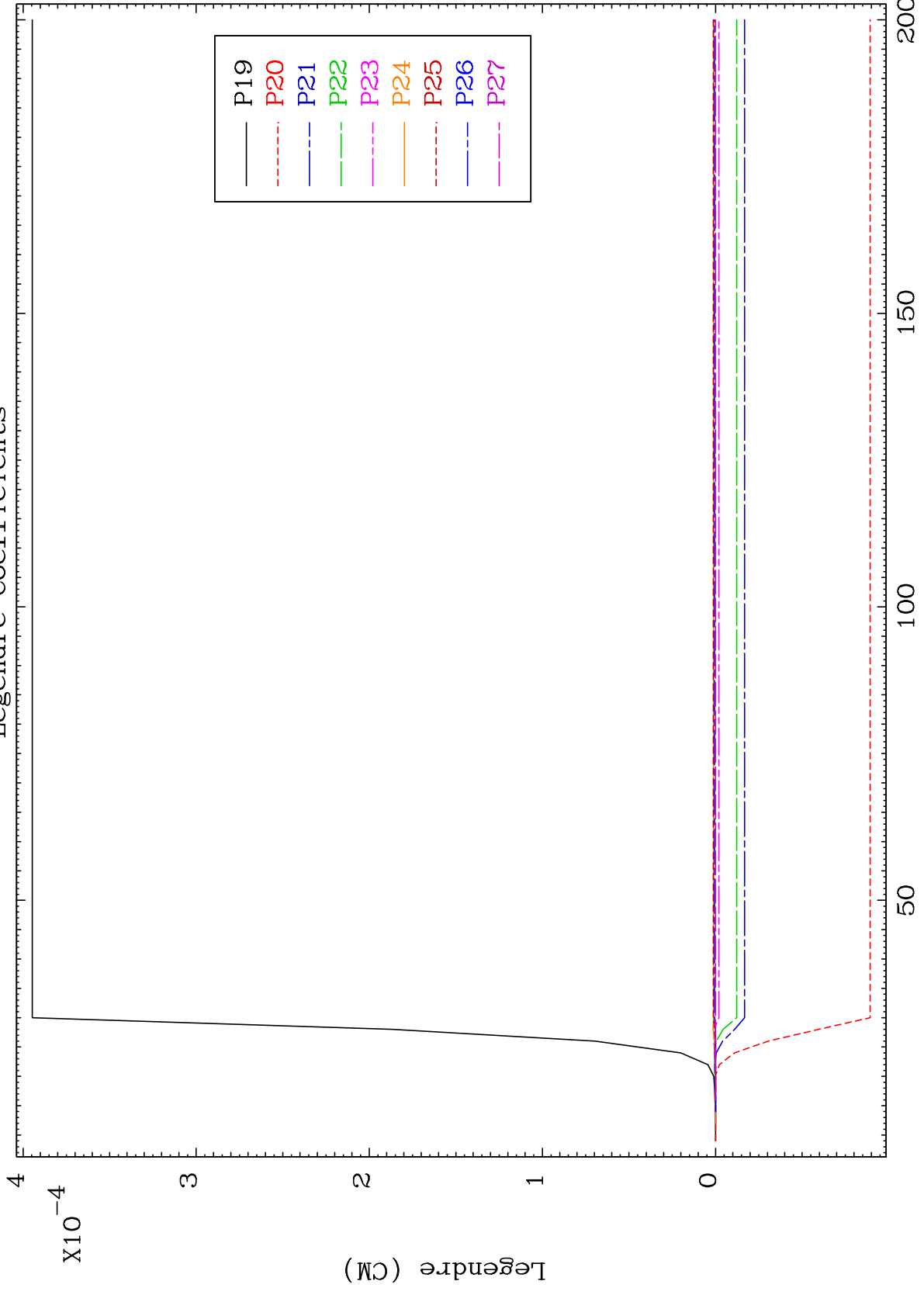
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



70

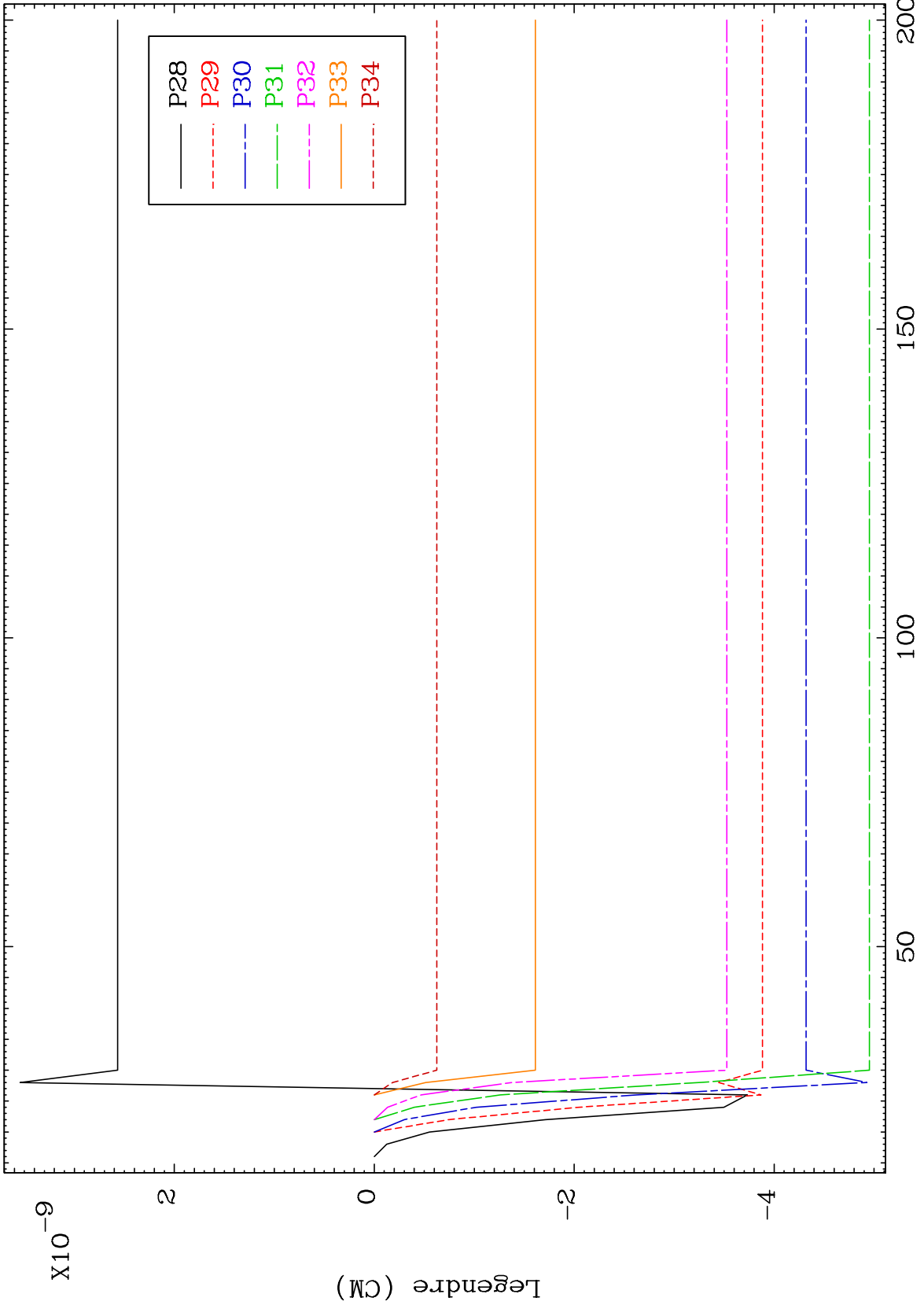
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



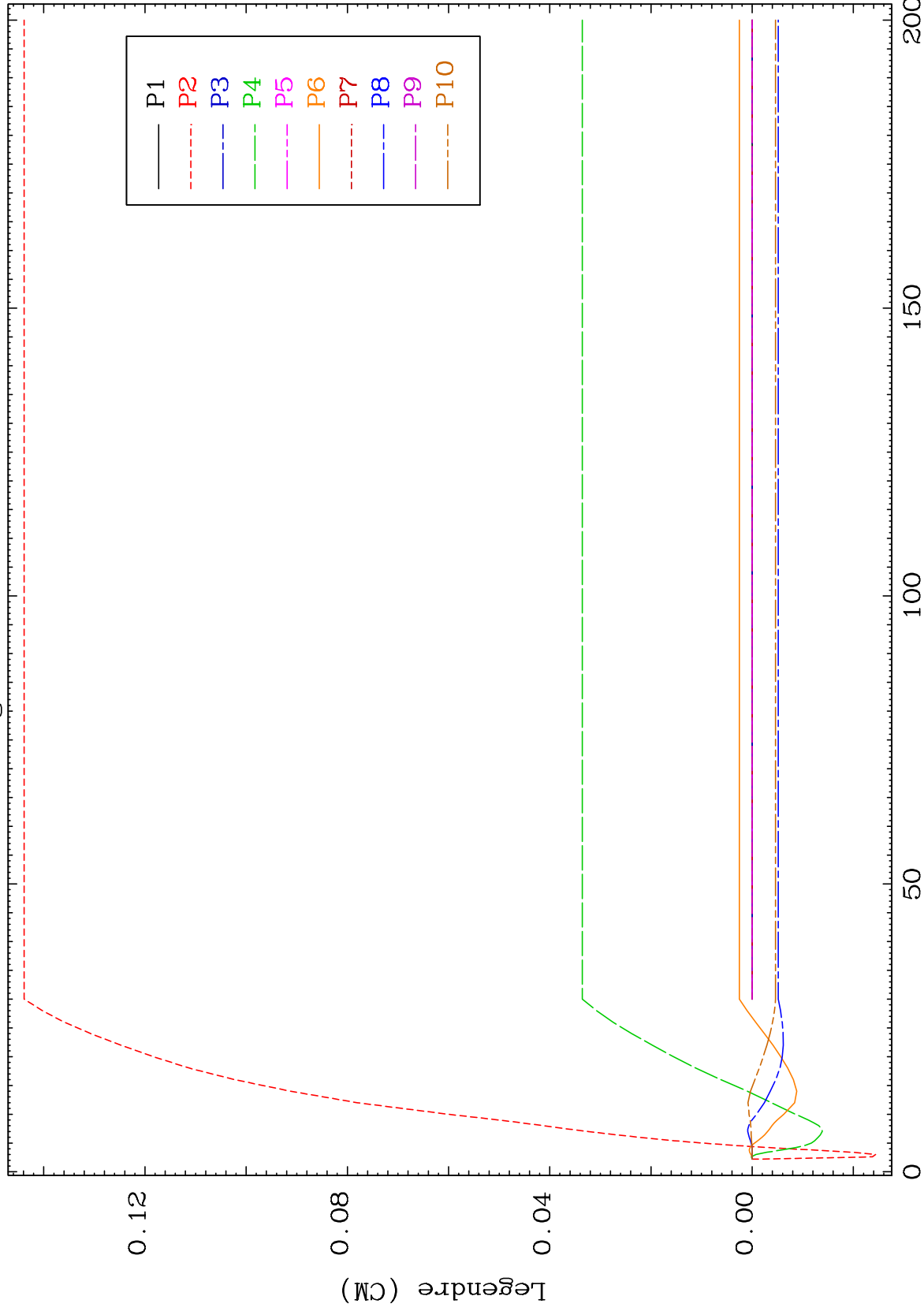
71

82-Pb-202

MAT 8219

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

82-Pb-202



72

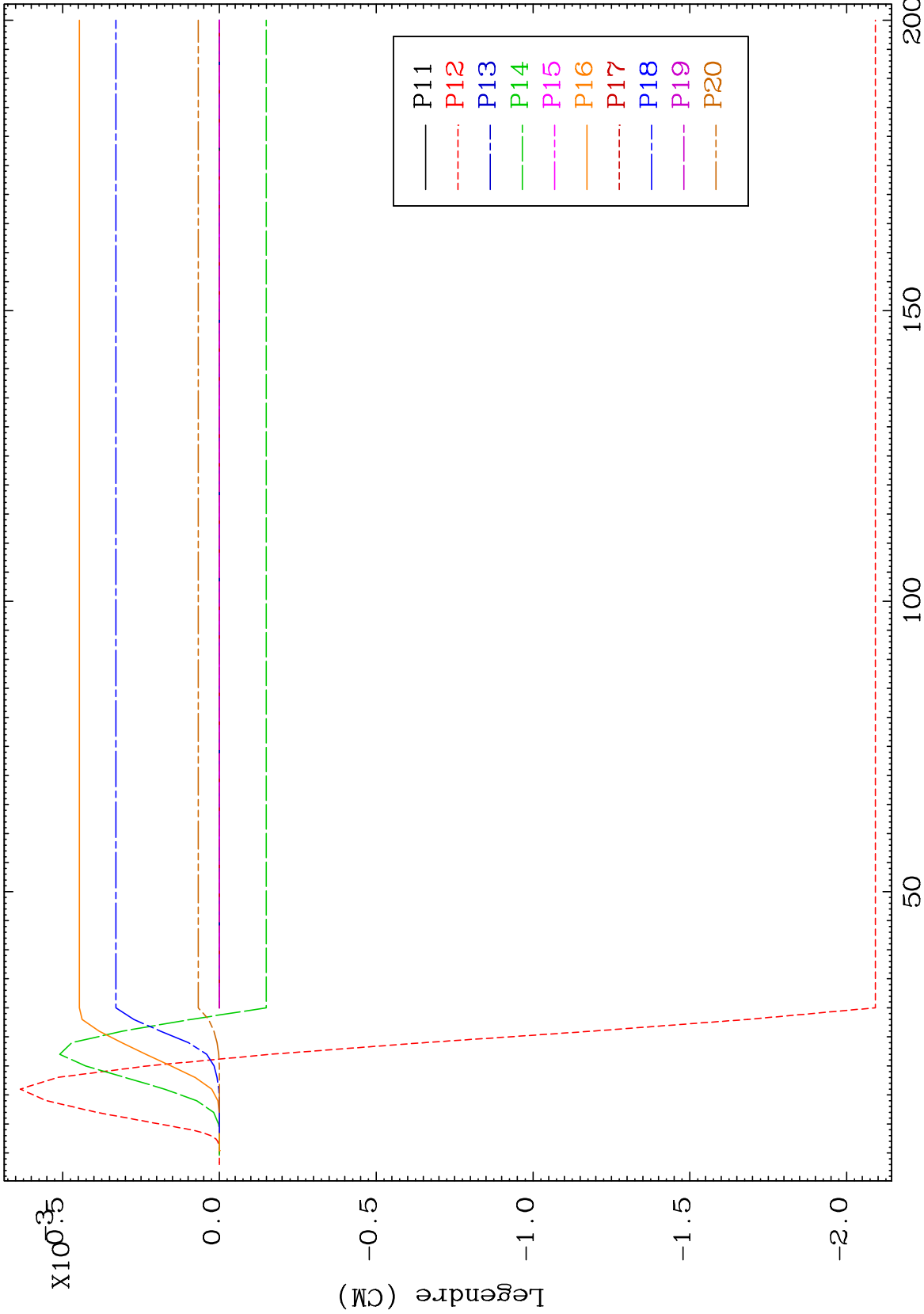
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



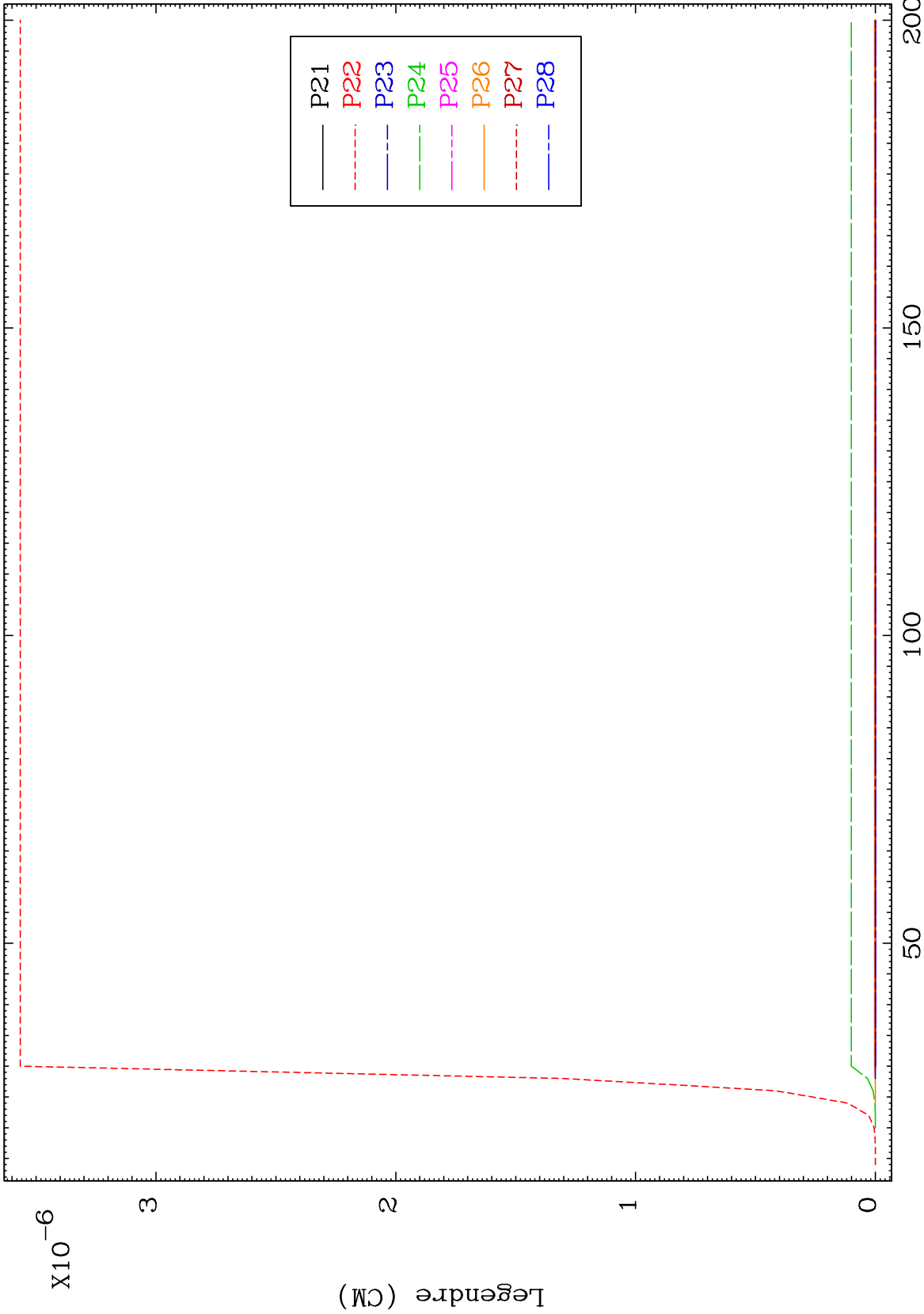
73

82-Pb-202

MAT 8219

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

82-Pb-202



74

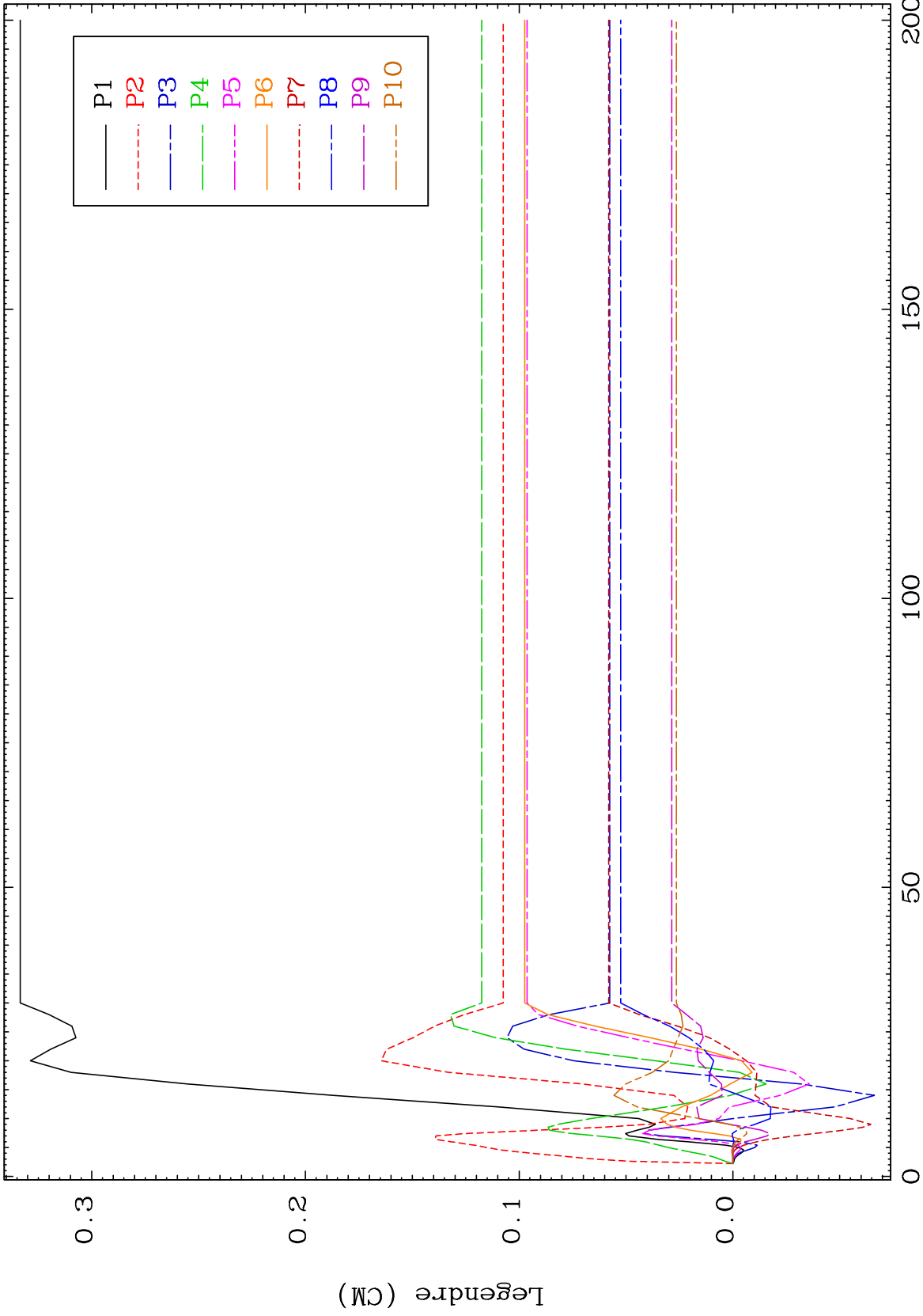
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



75

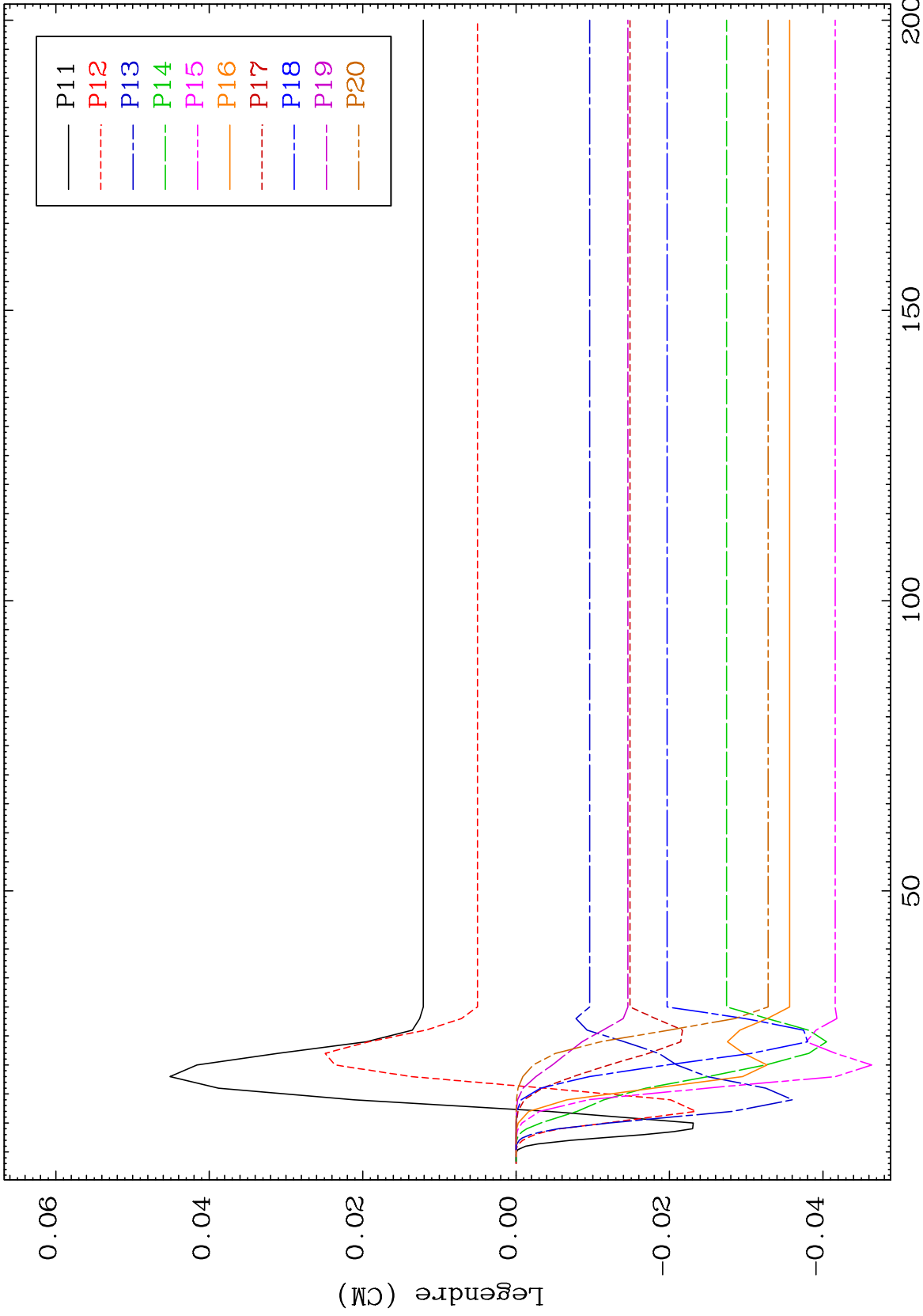
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



76

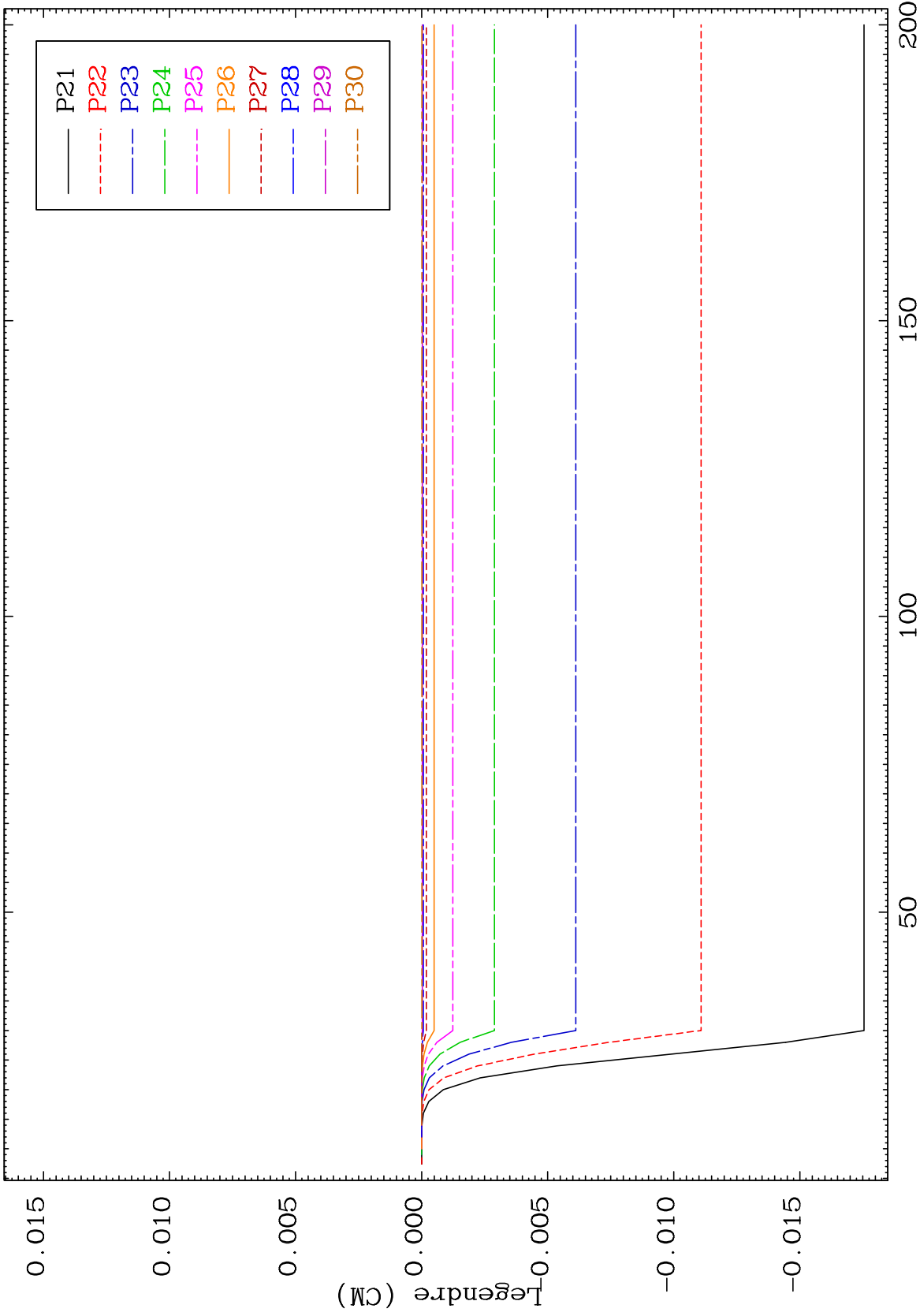
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



77

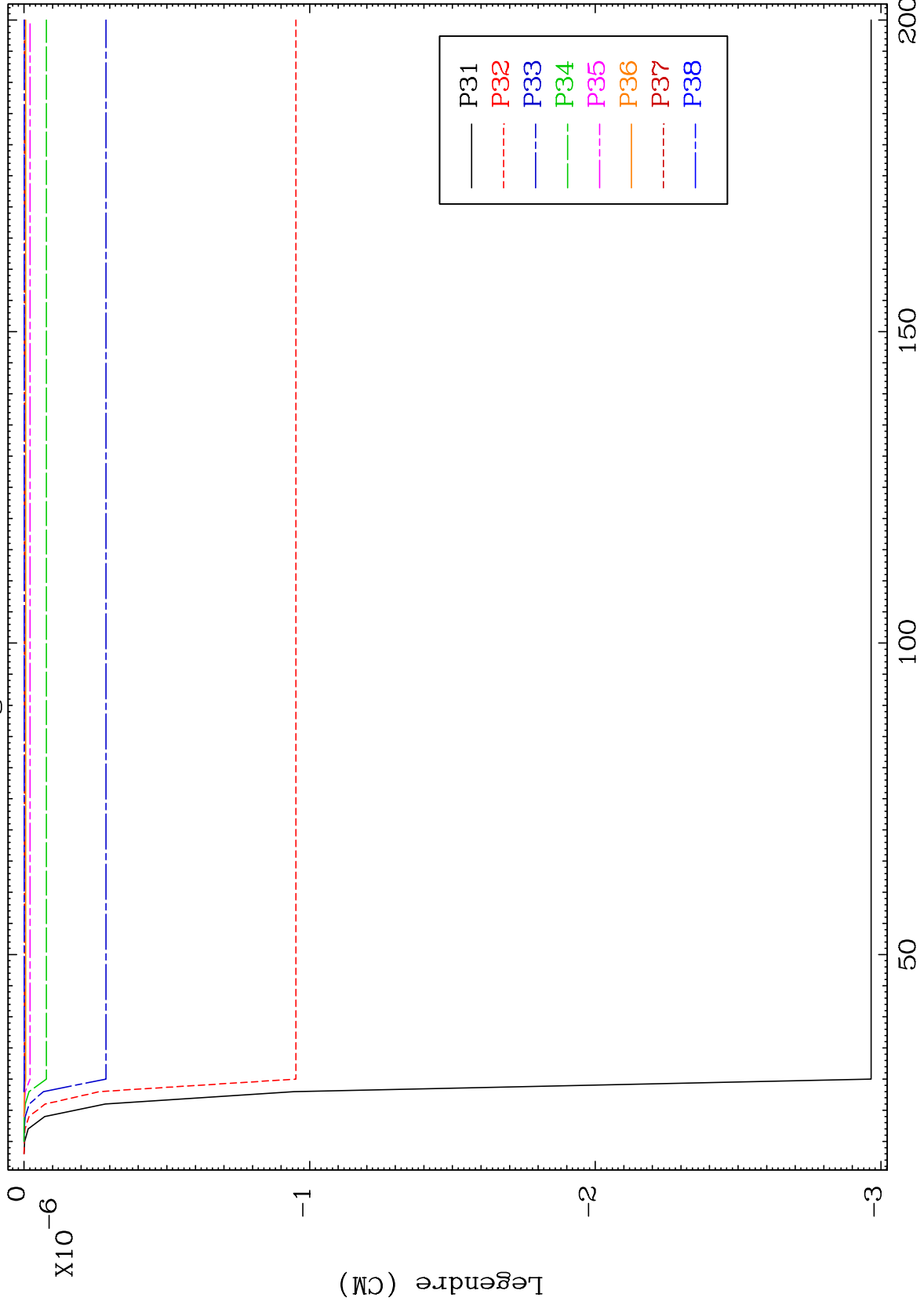
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



82-Pb-202

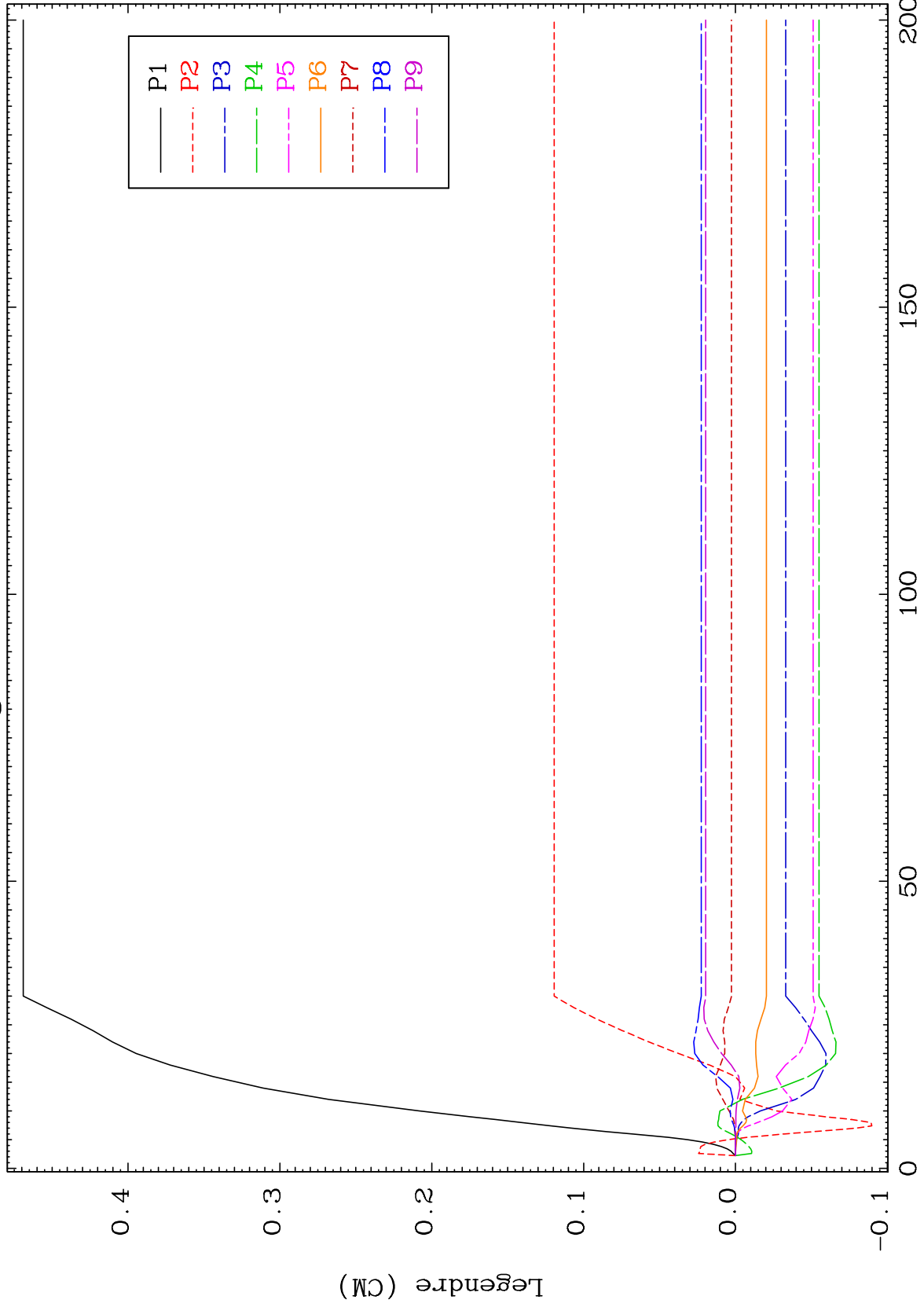
Incident Energy (MeV)

78

MAT 8219

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

82-Pb-202



79

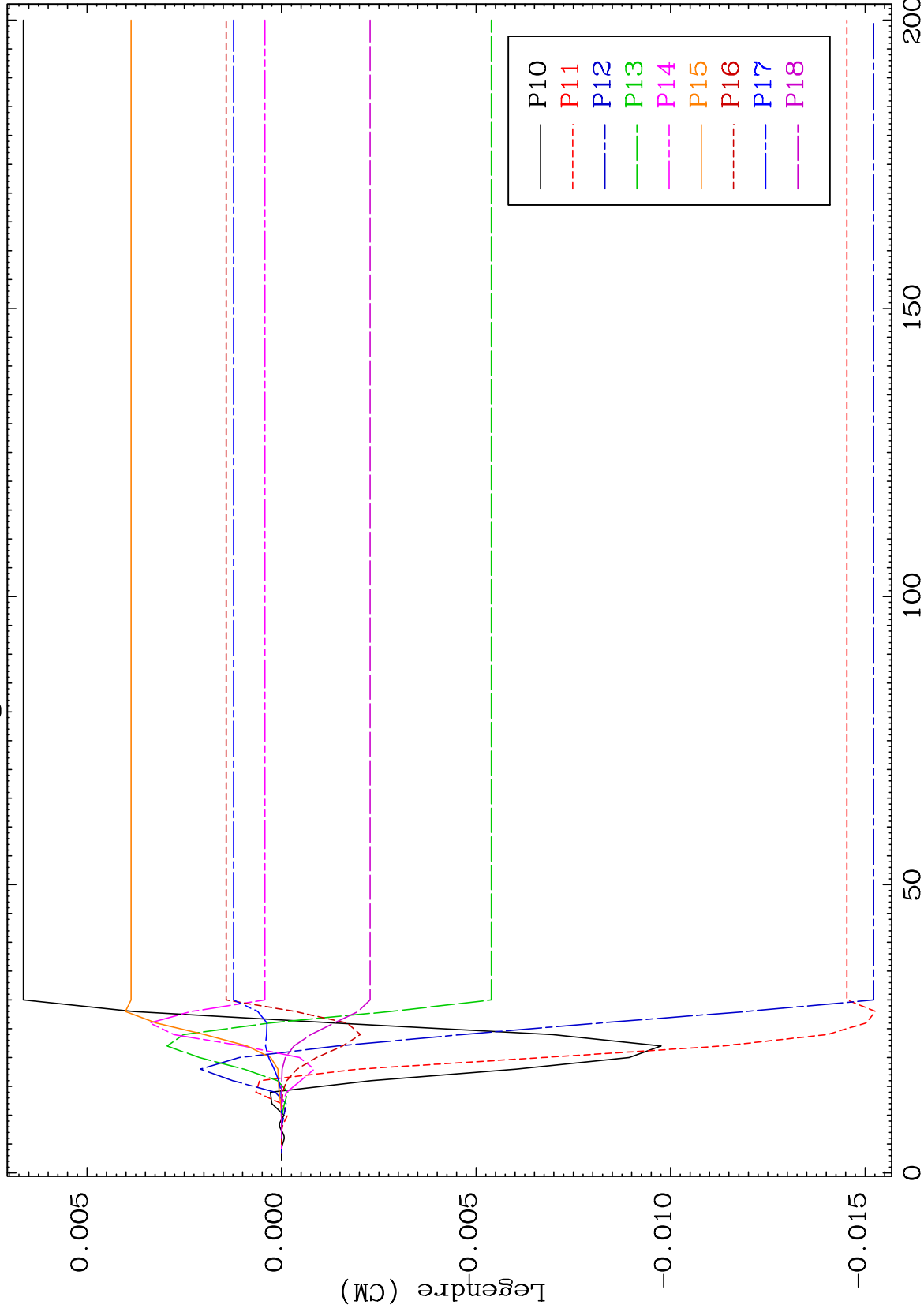
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



80

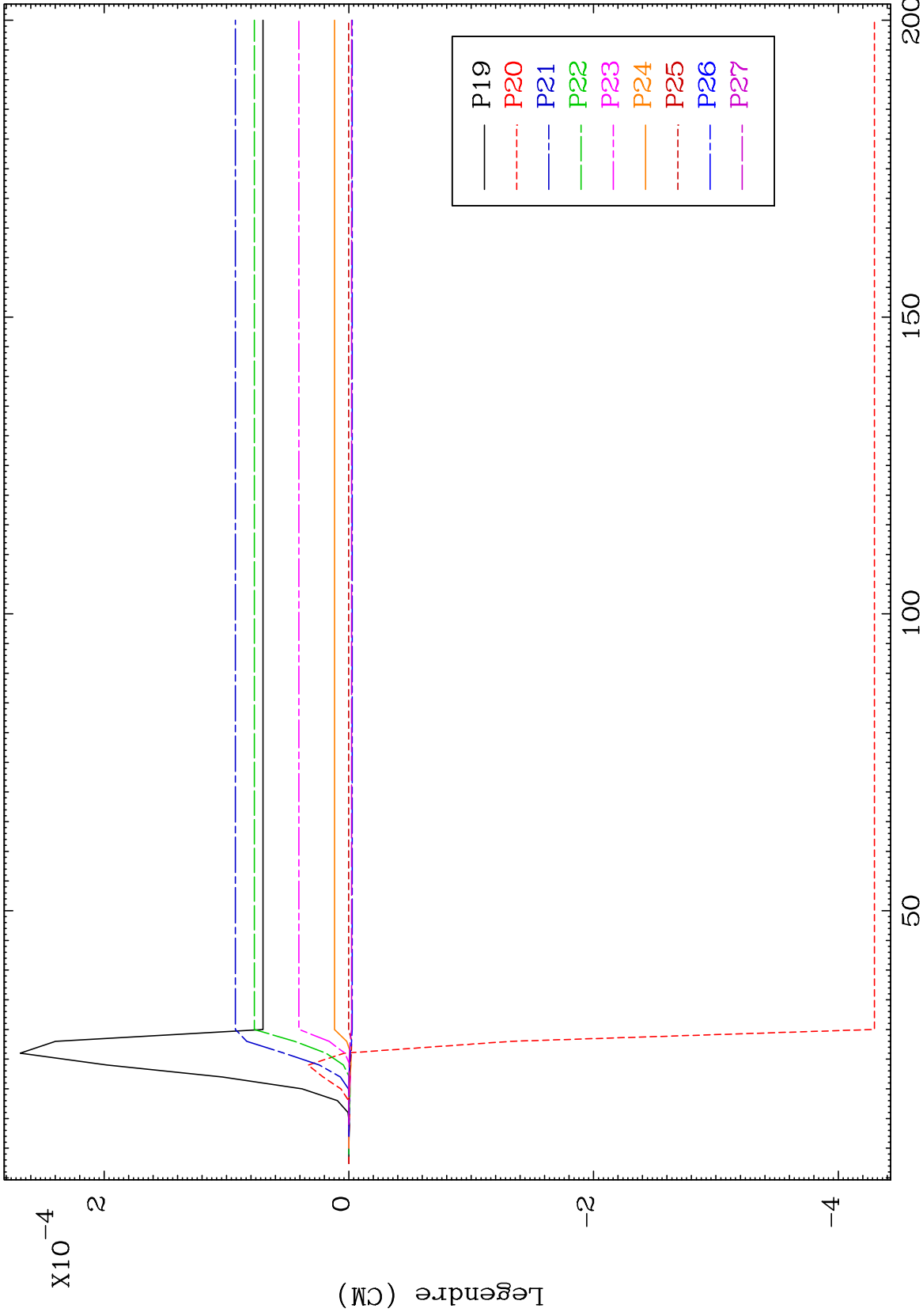
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



81

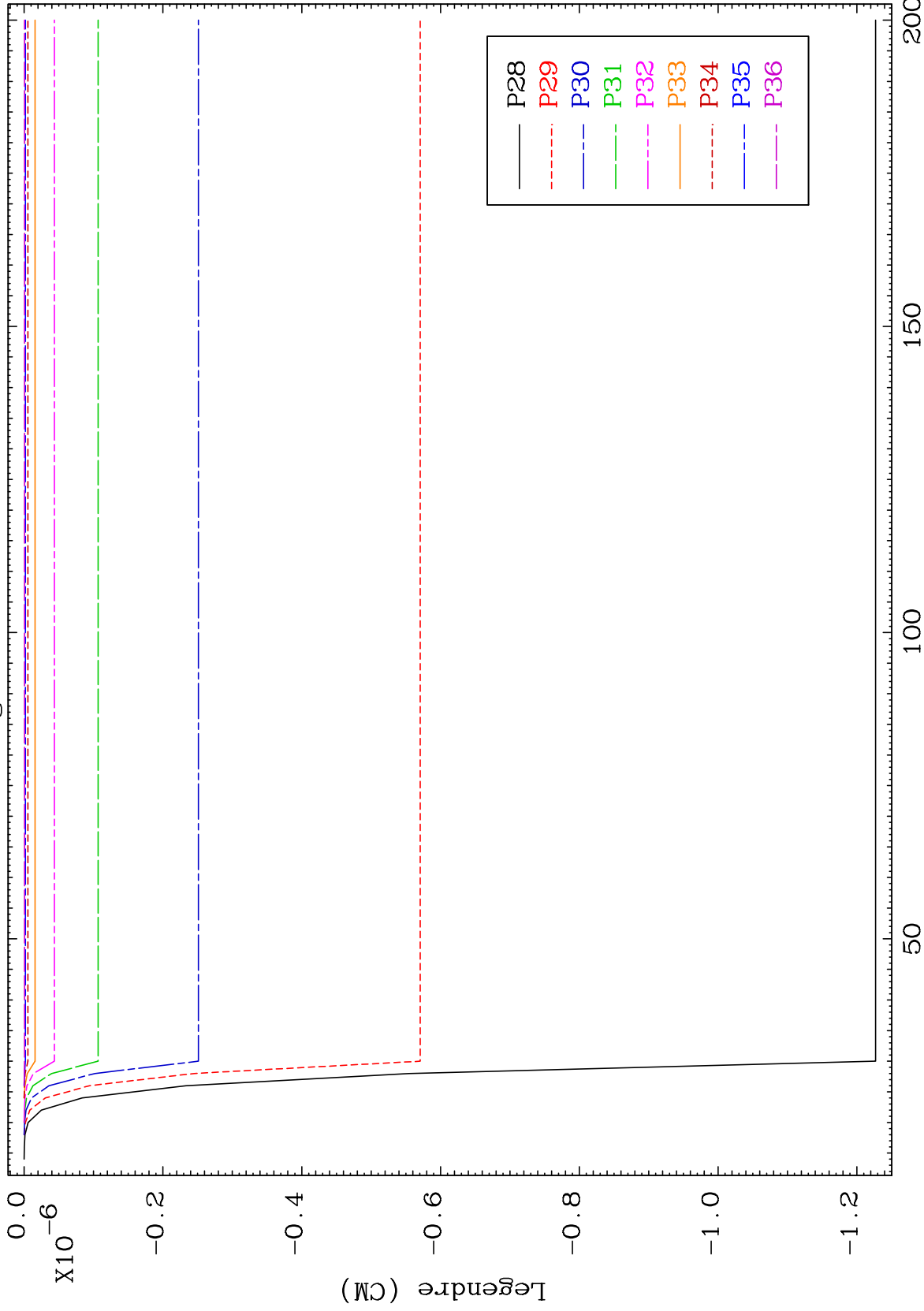
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



82

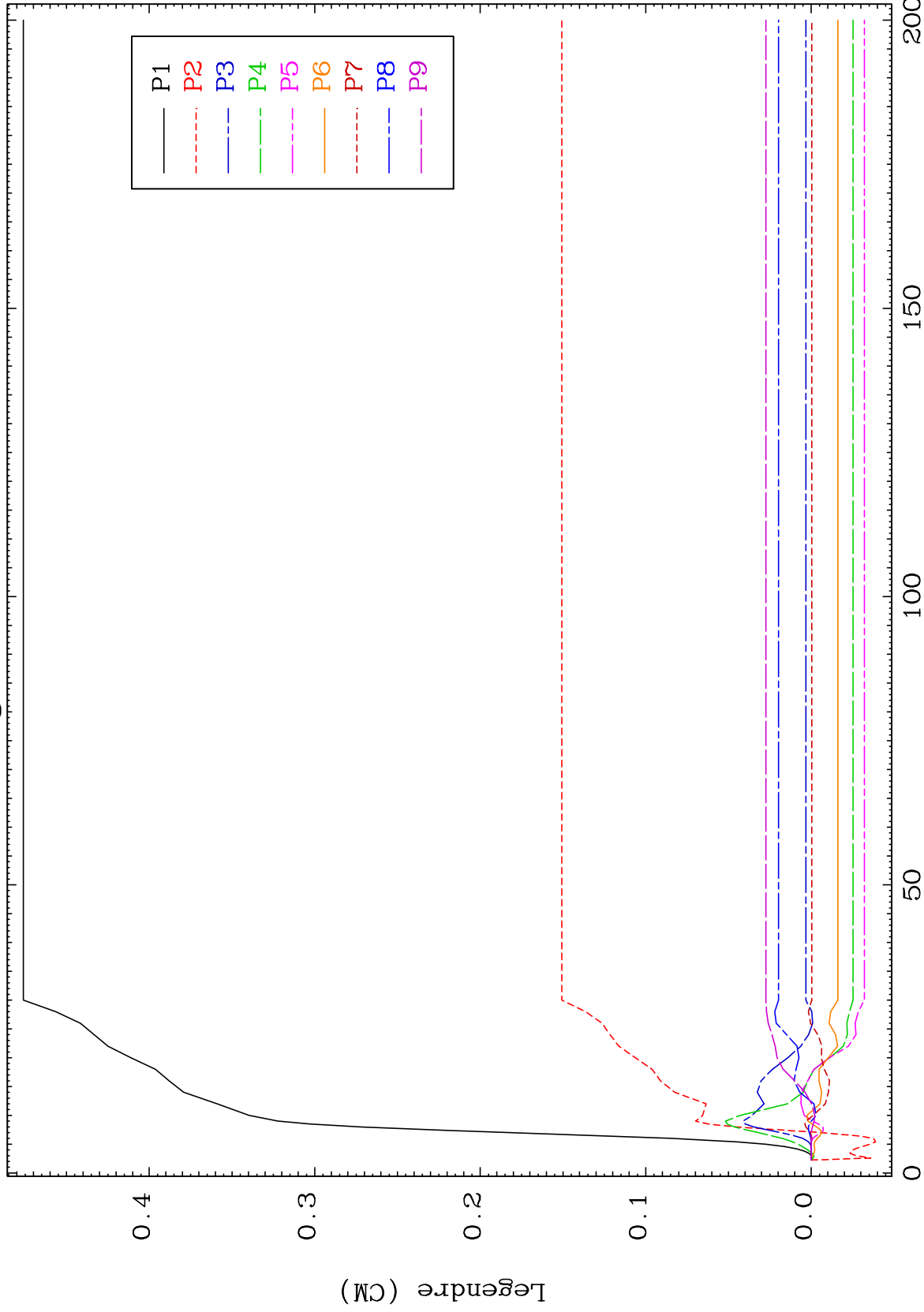
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



83

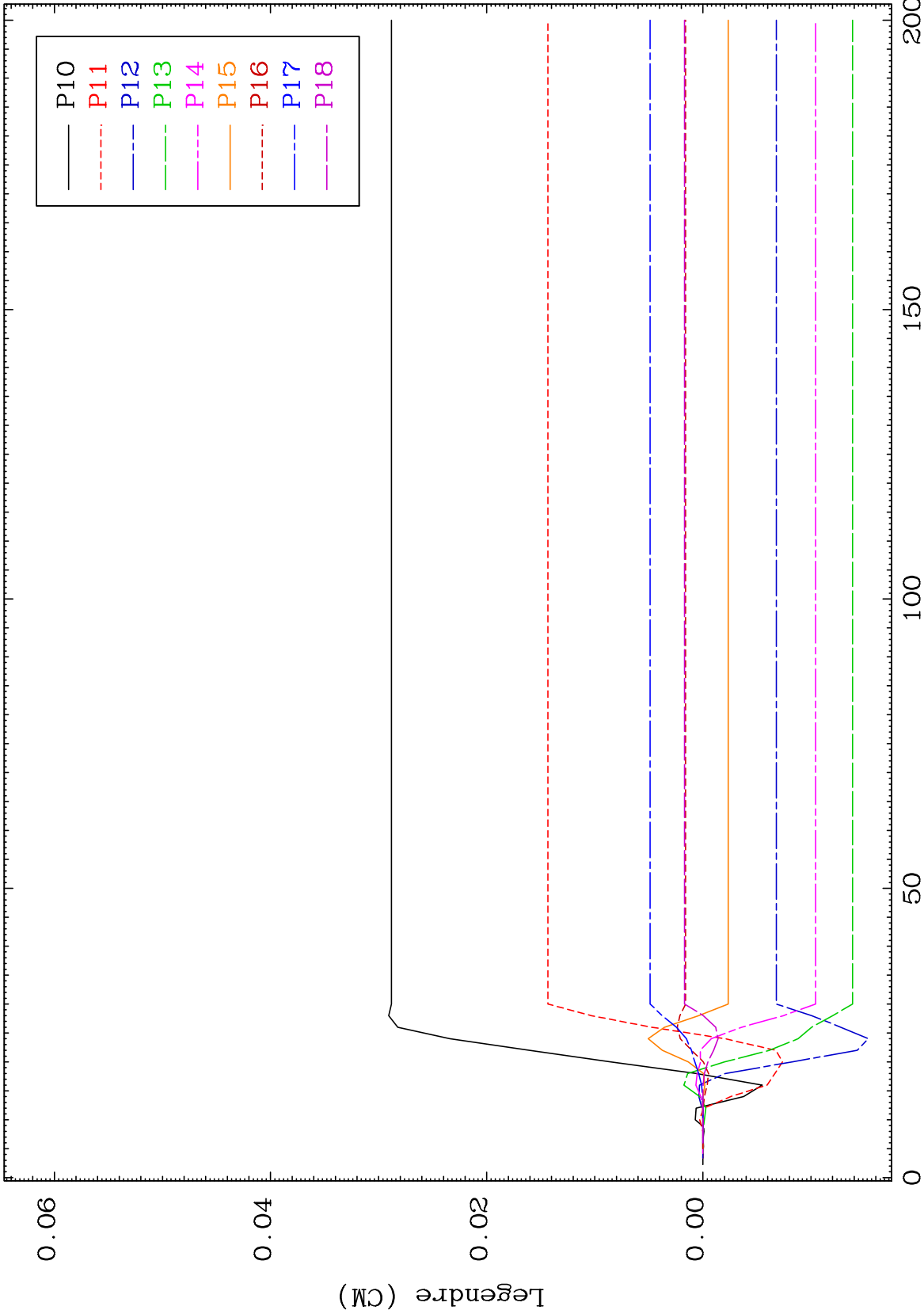
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



84

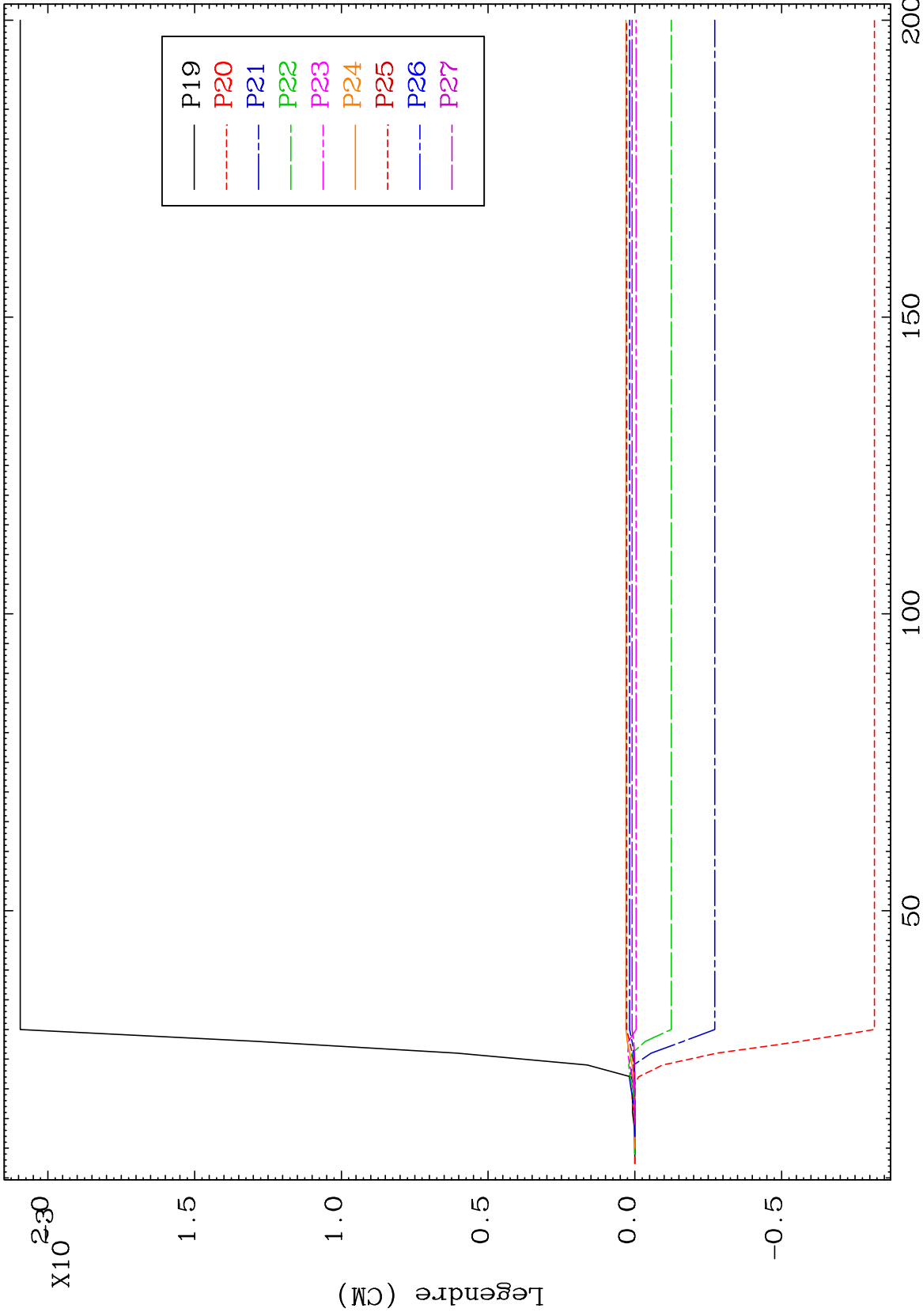
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



85

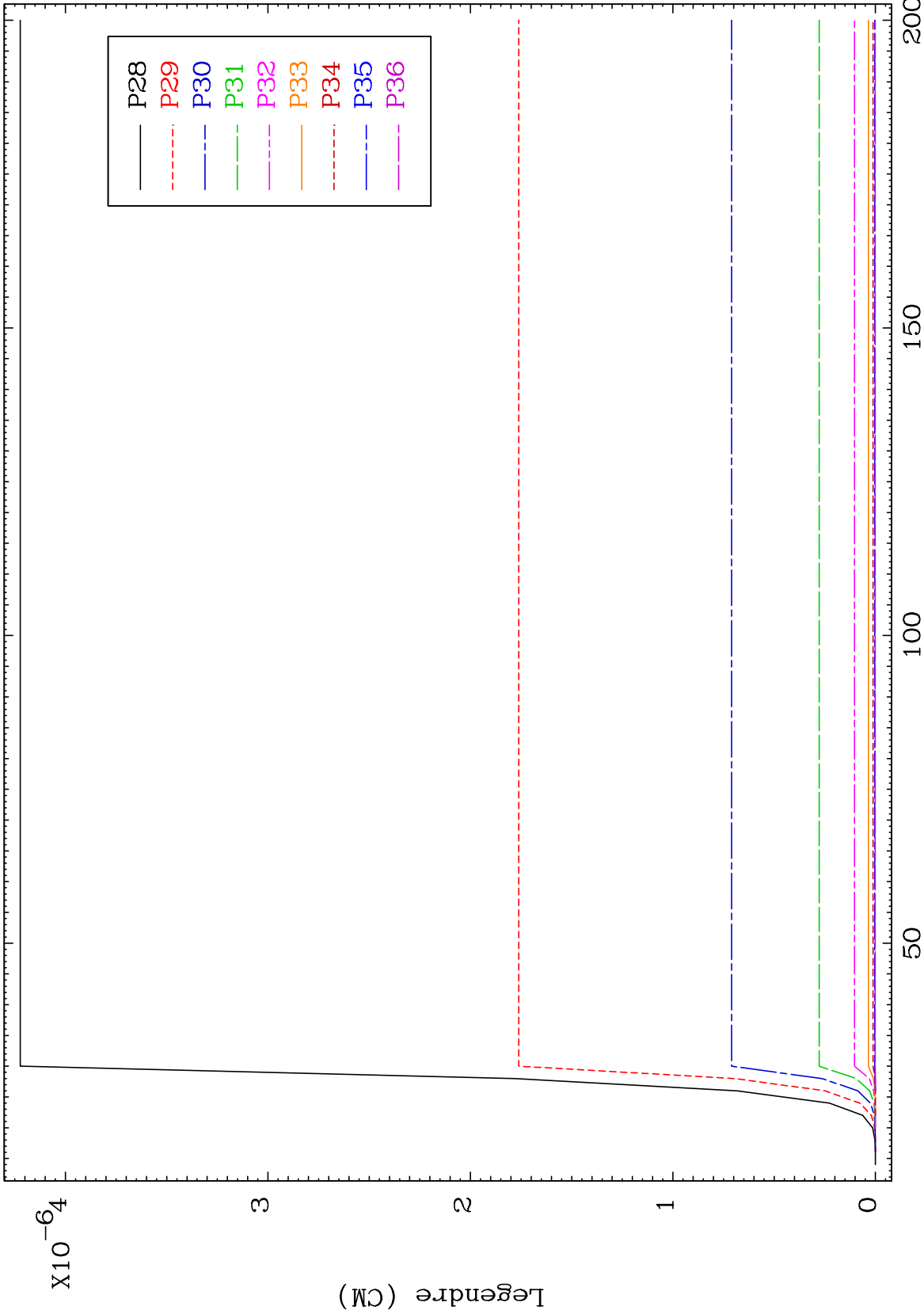
82-Pb-202

82-Pb-202

MAT 8219

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

82-Pb-202



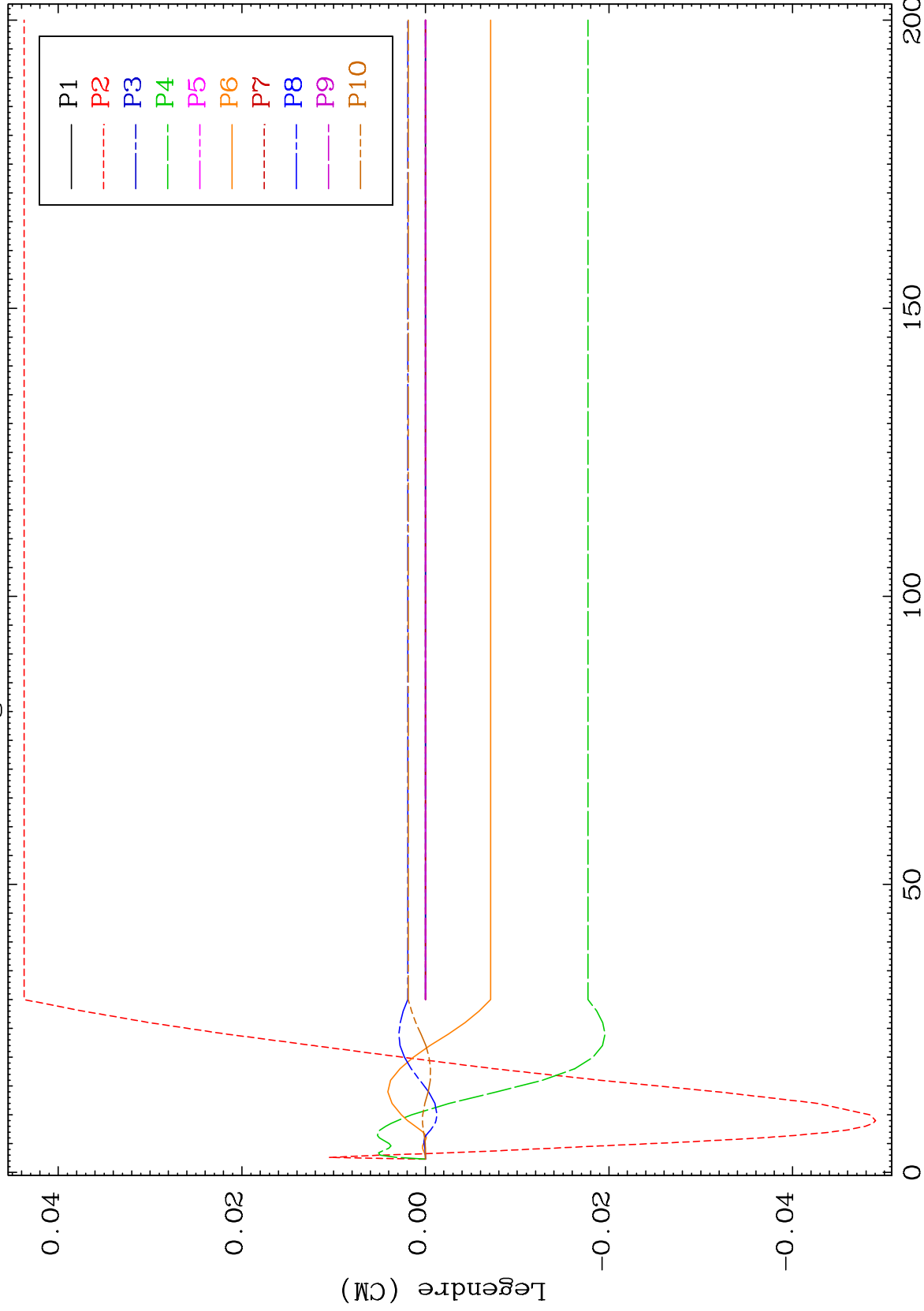
86

82-Pb-202

MAT 8219

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

82-Pb-202



87

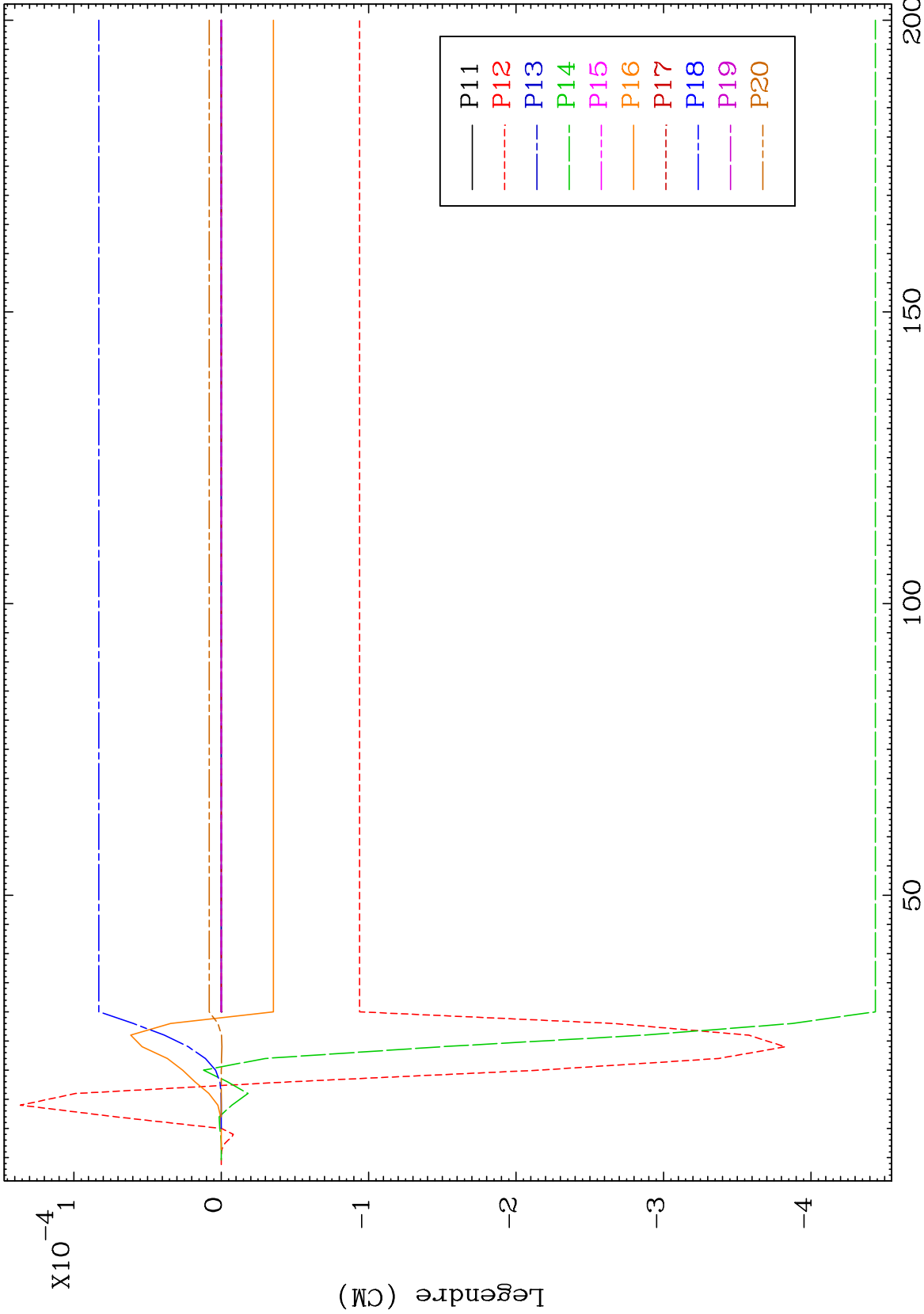
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



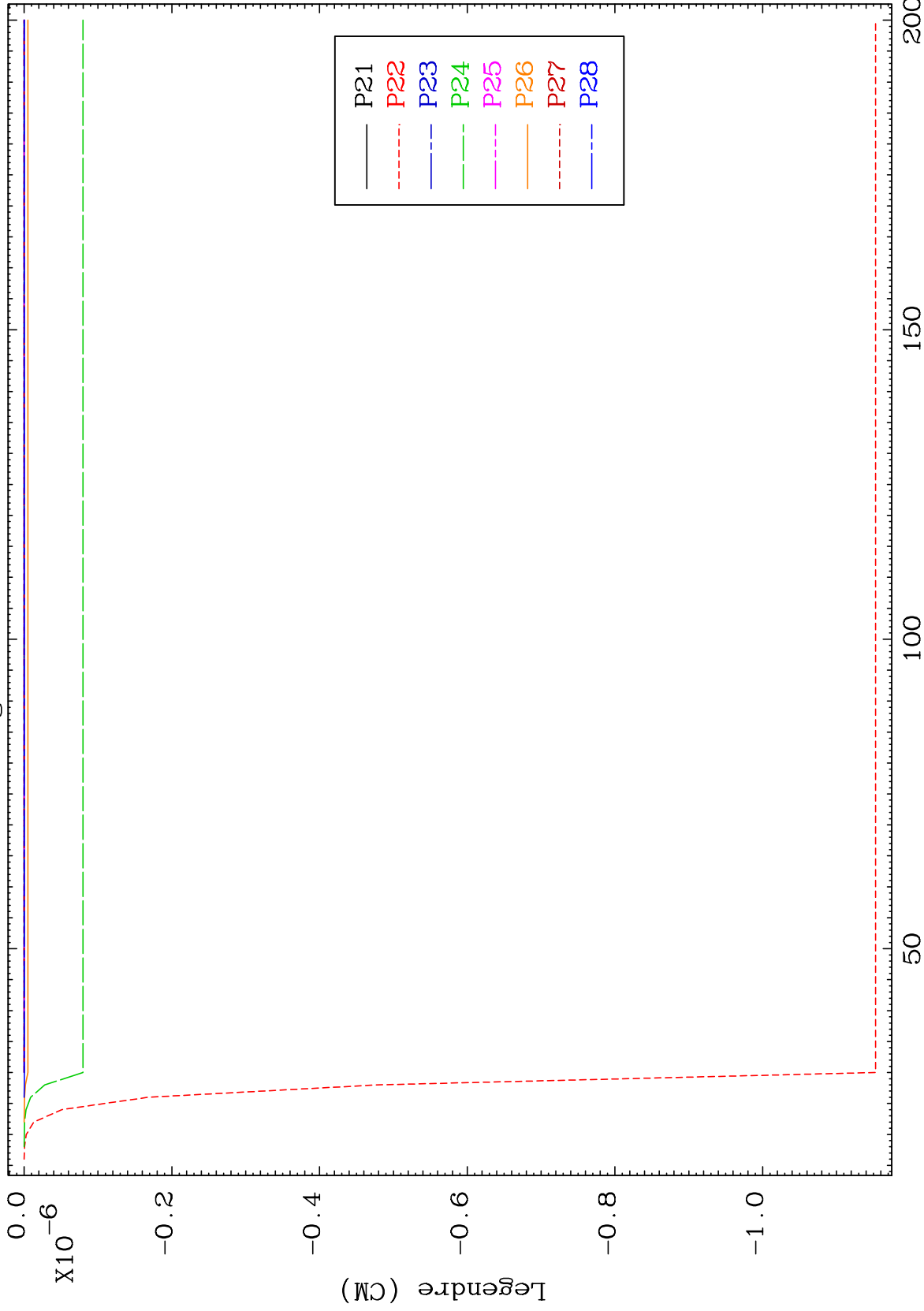
88

82-Pb-202

MAT 8219

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

82-Pb-202



89

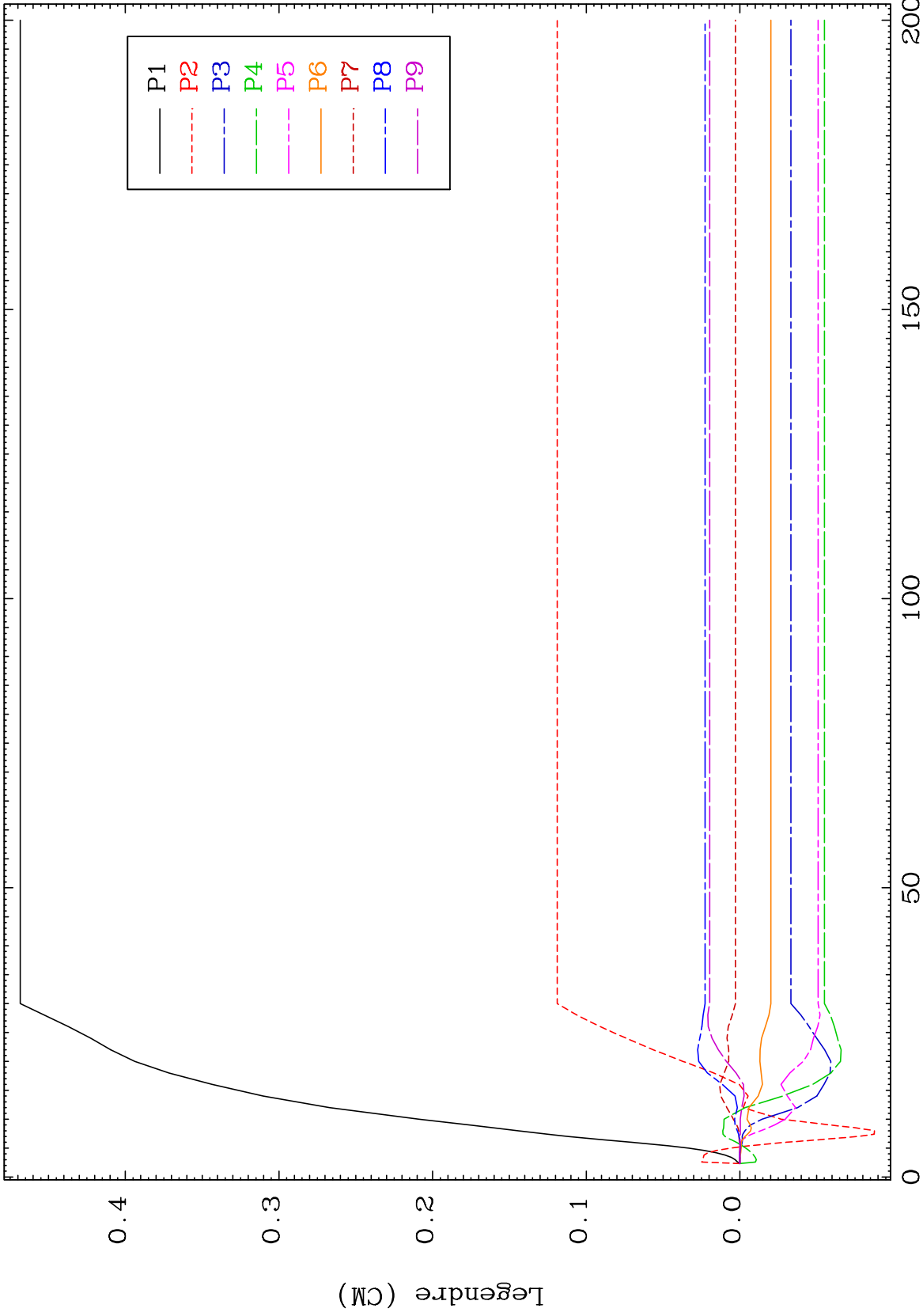
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



90

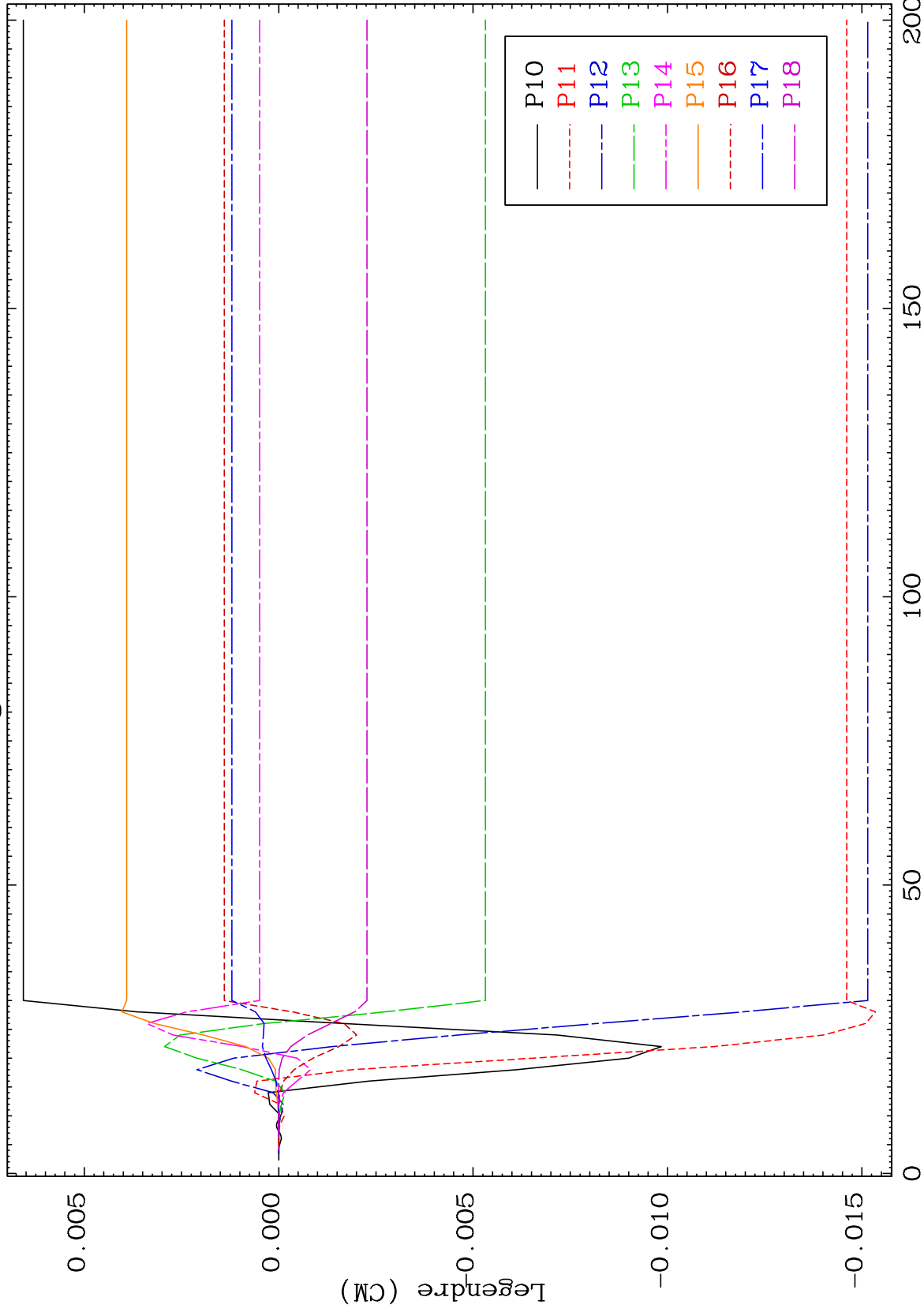
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



91

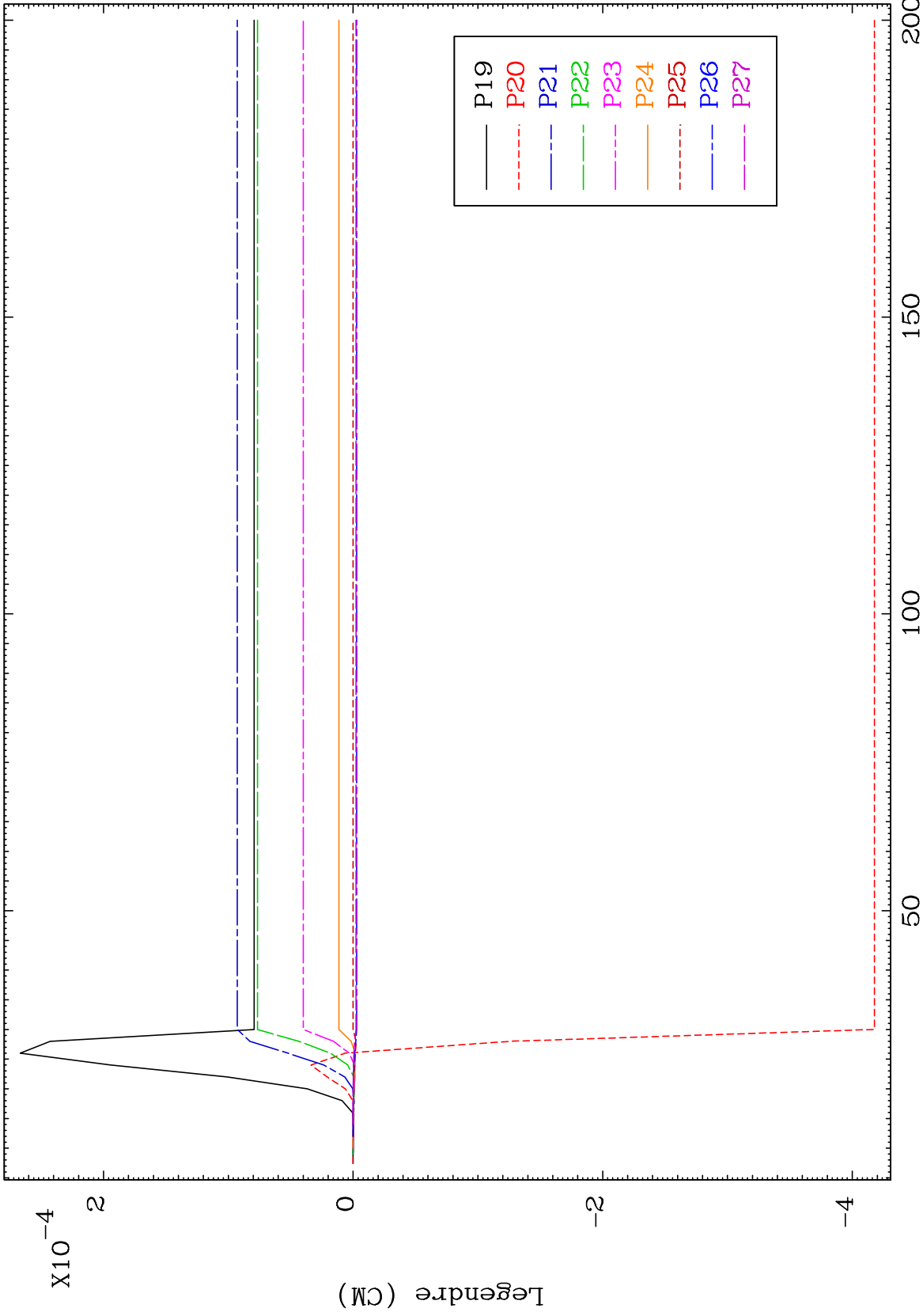
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



92

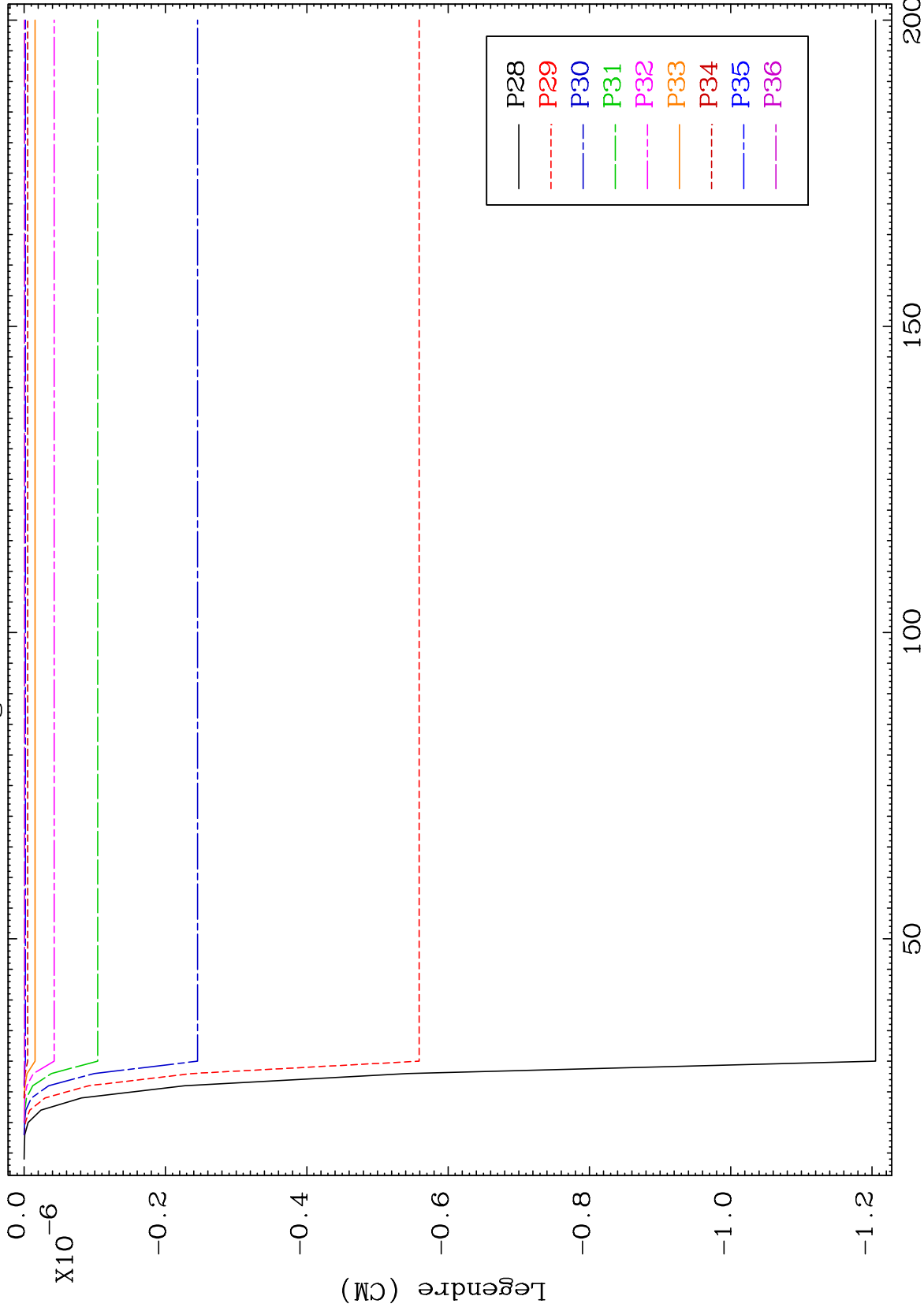
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



82-Pb-202

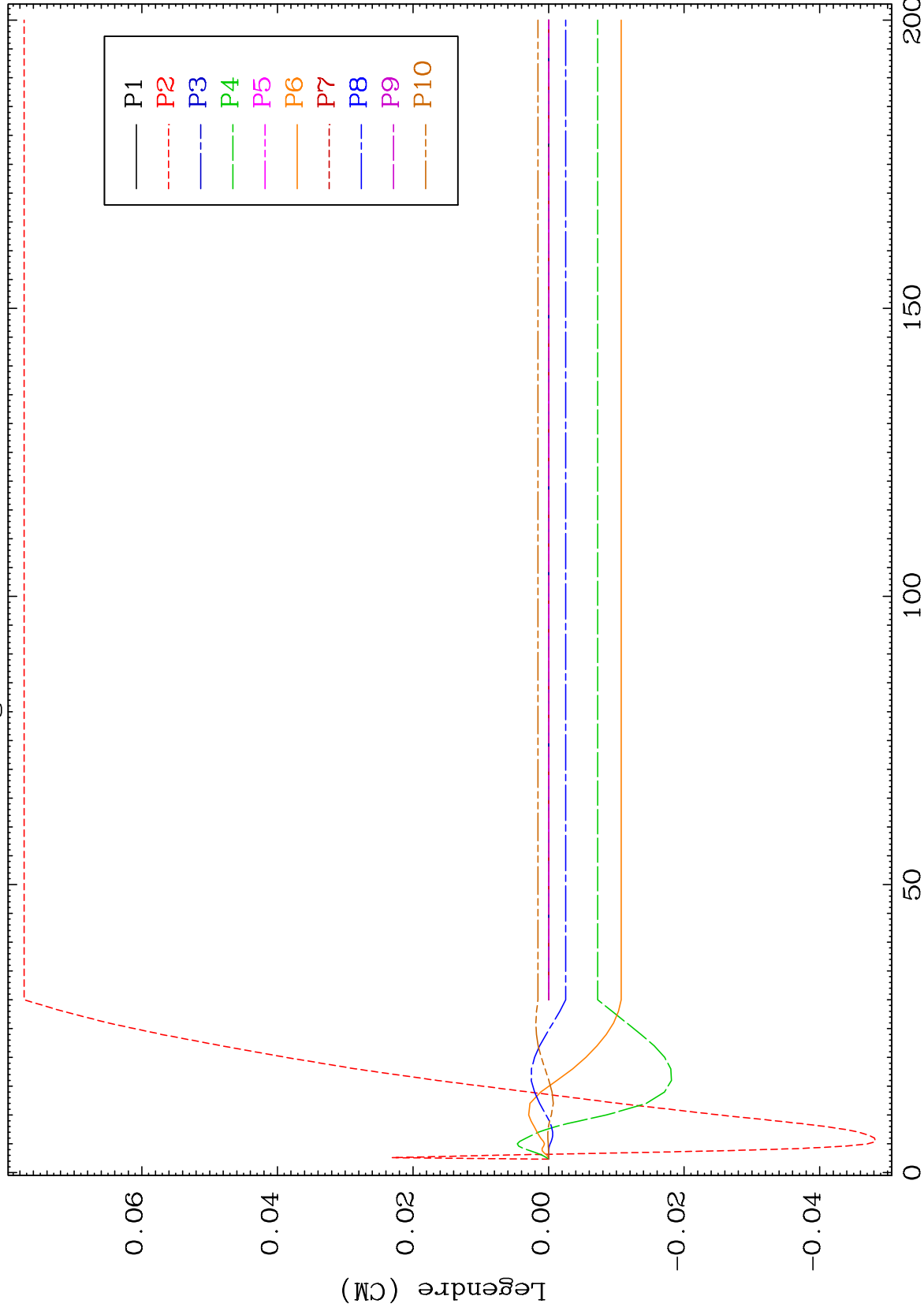
Incident Energy (MeV)

93

MAT 8219

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

82-Pb-202



94

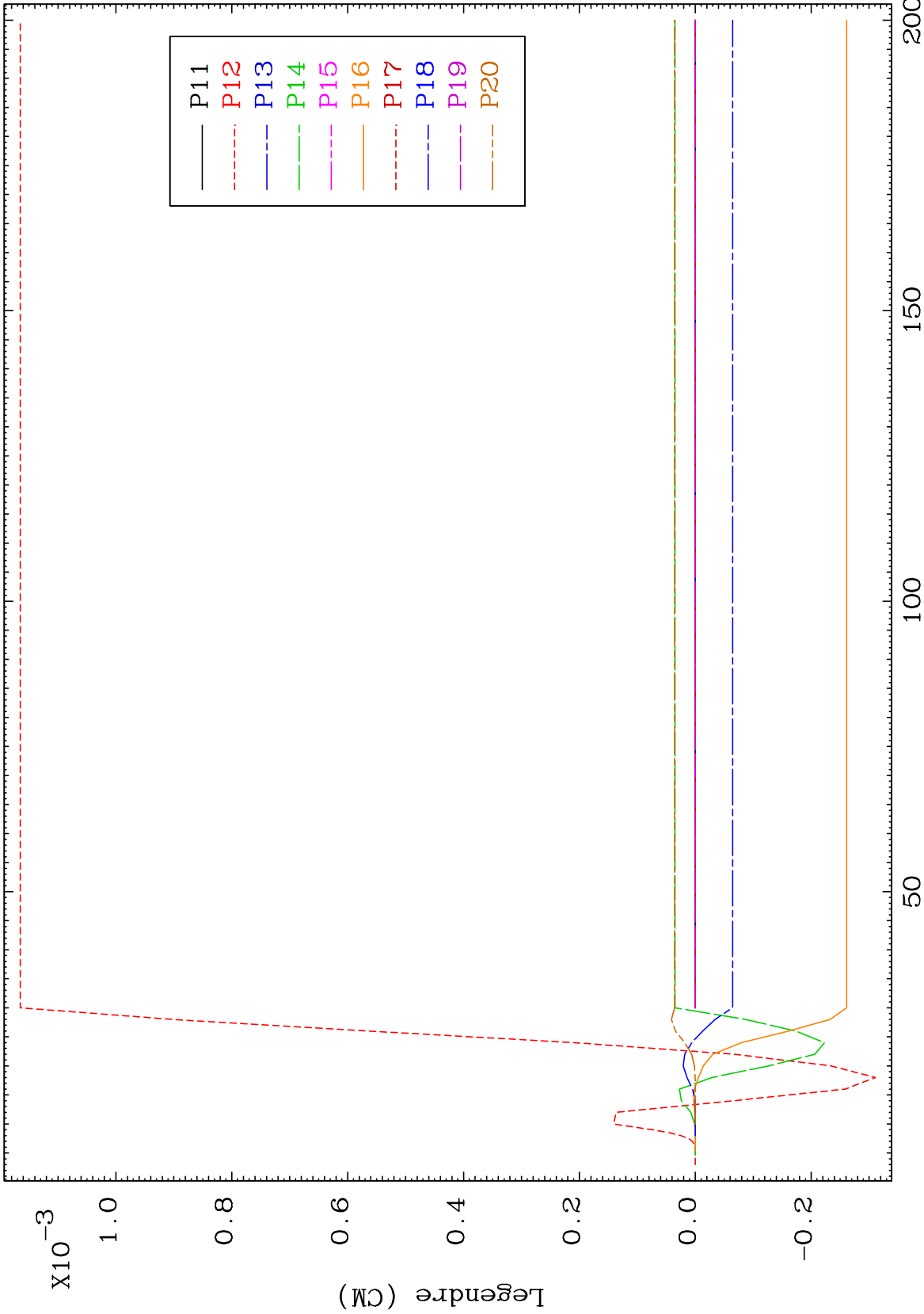
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



95

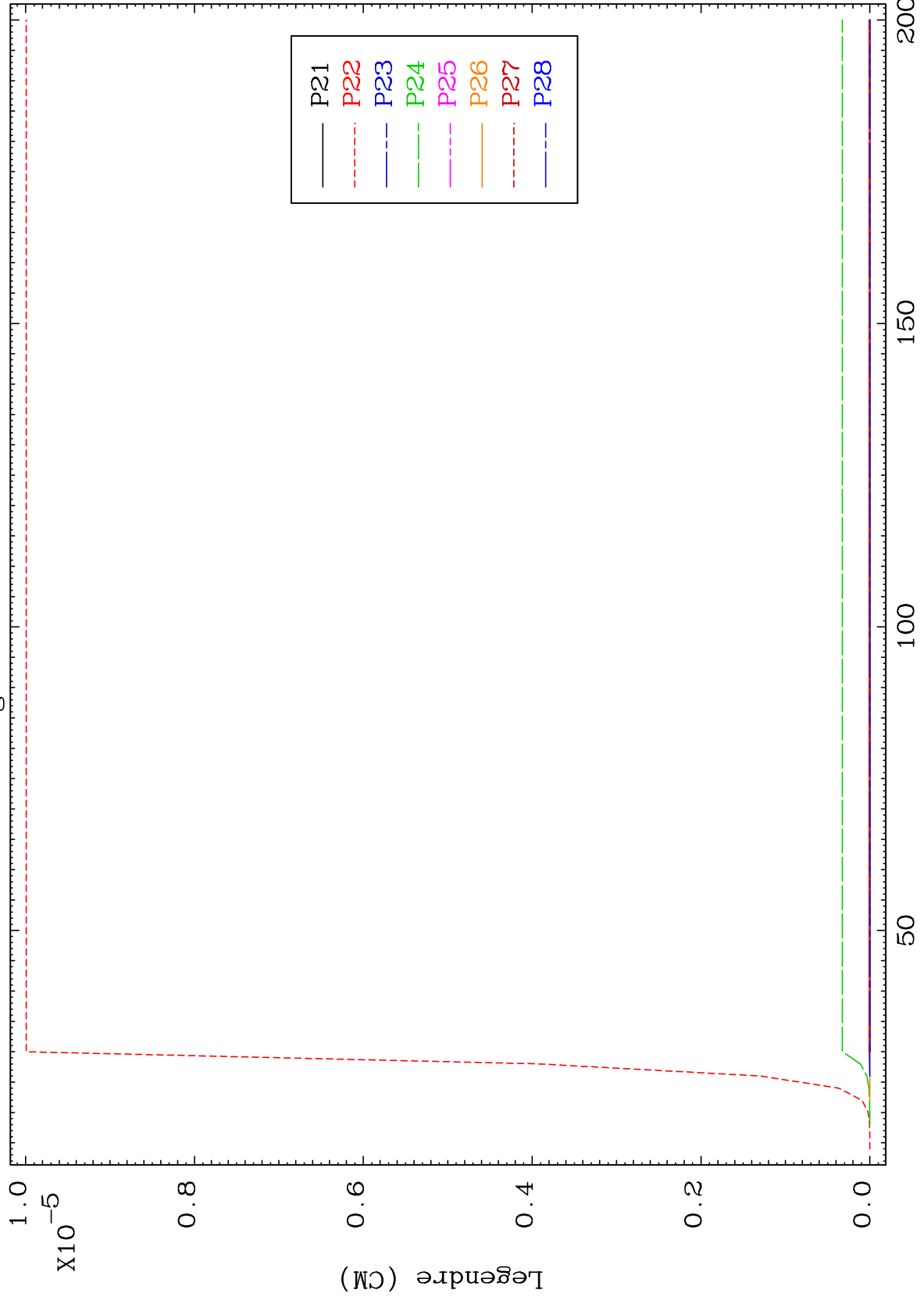
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



96

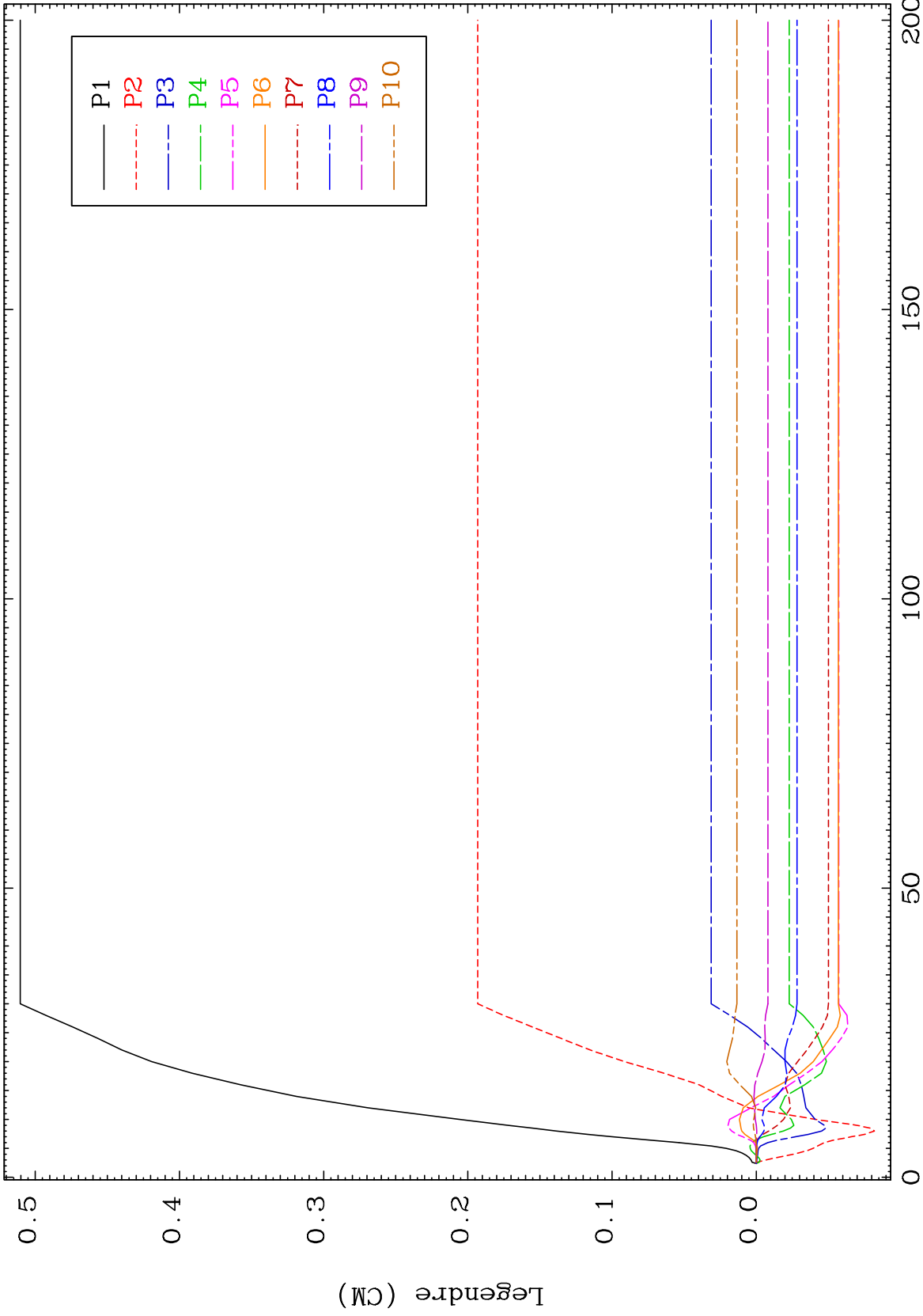
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



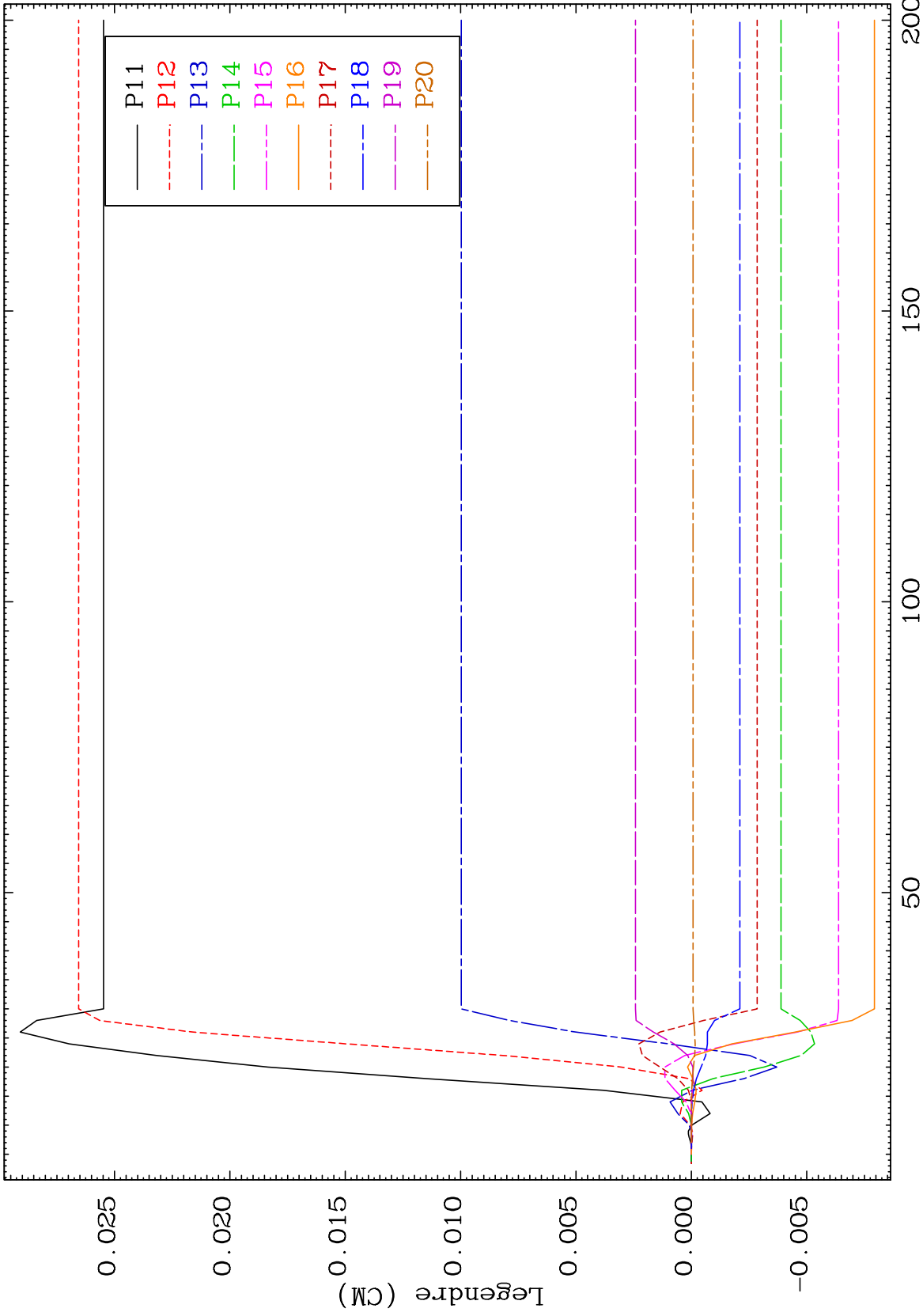
97

82-Pb-202

MAT 8219

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

82-Pb-202



98

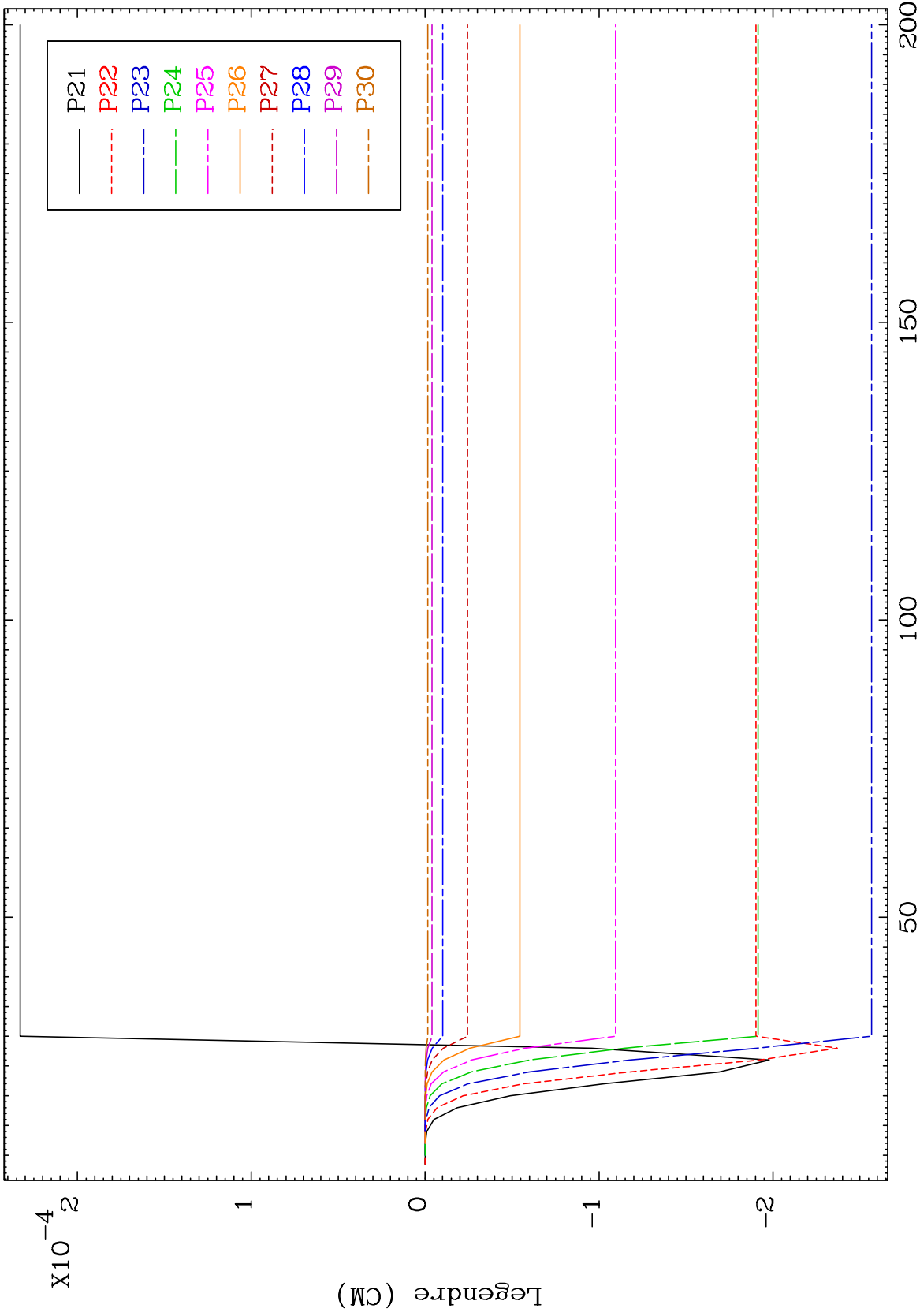
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



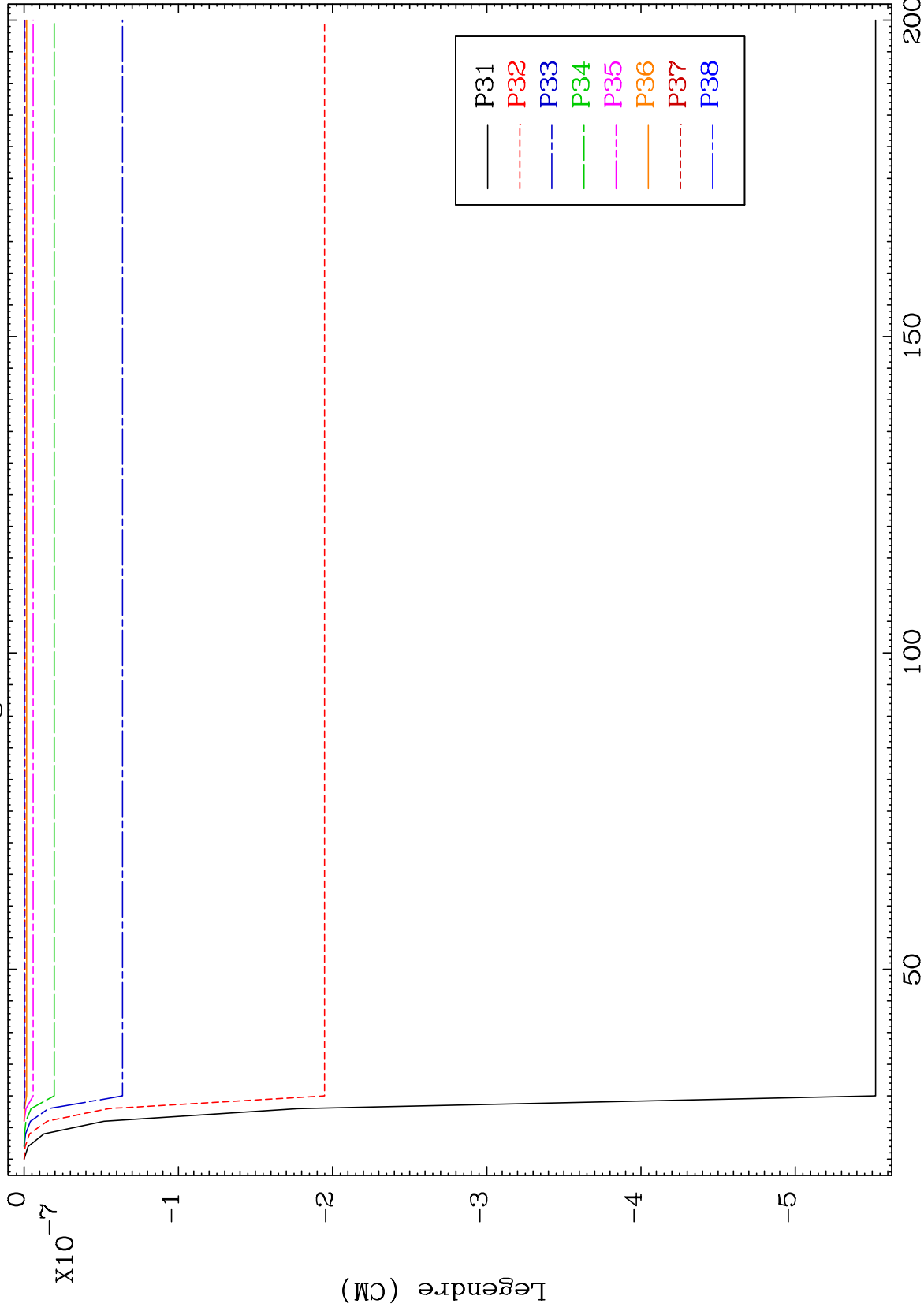
99

82-Pb-202

MAT 8219

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

82-Pb-202



82-Pb-202

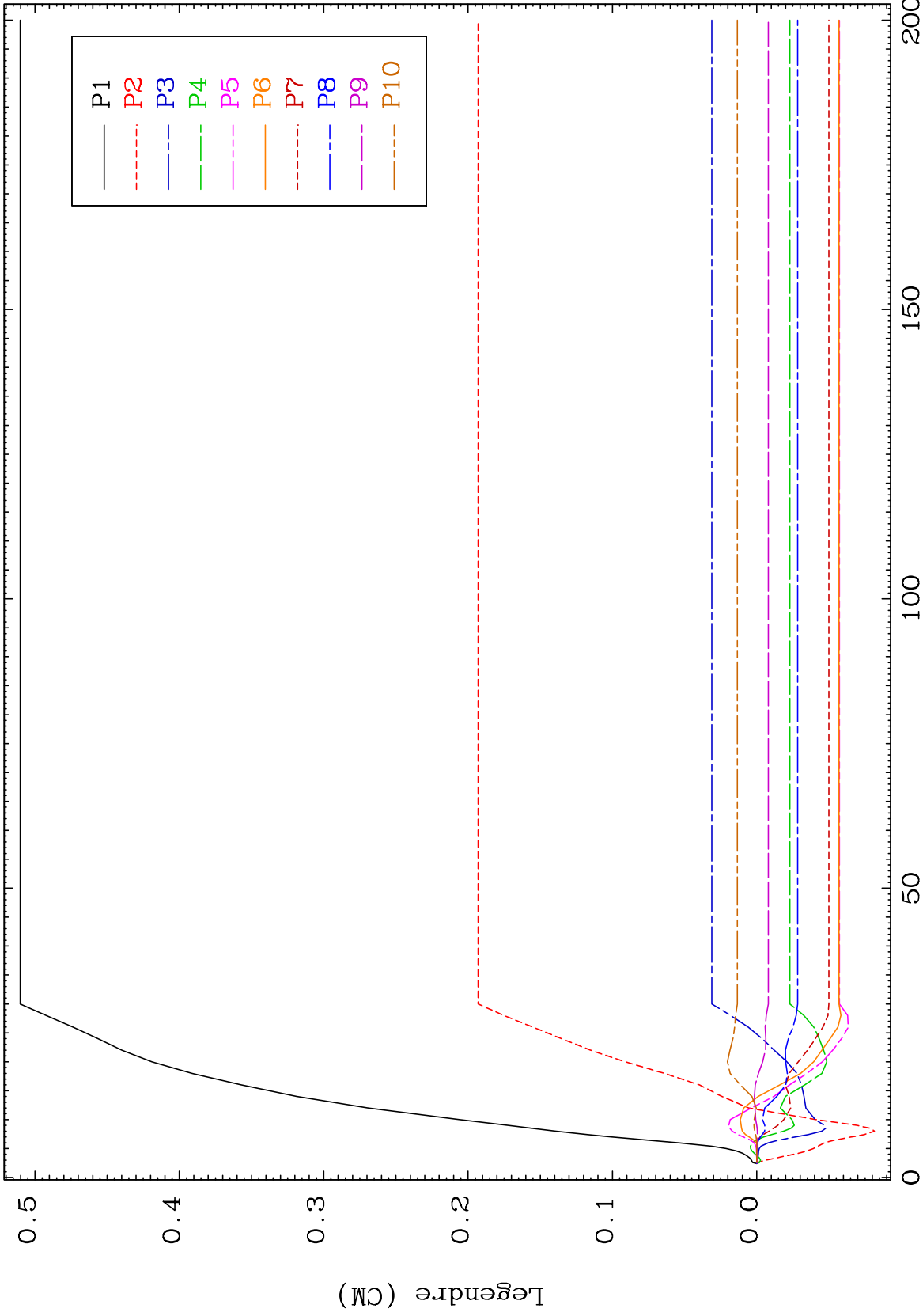
Incident Energy (MeV)

100

MAT 8219

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

82-Pb-202



101

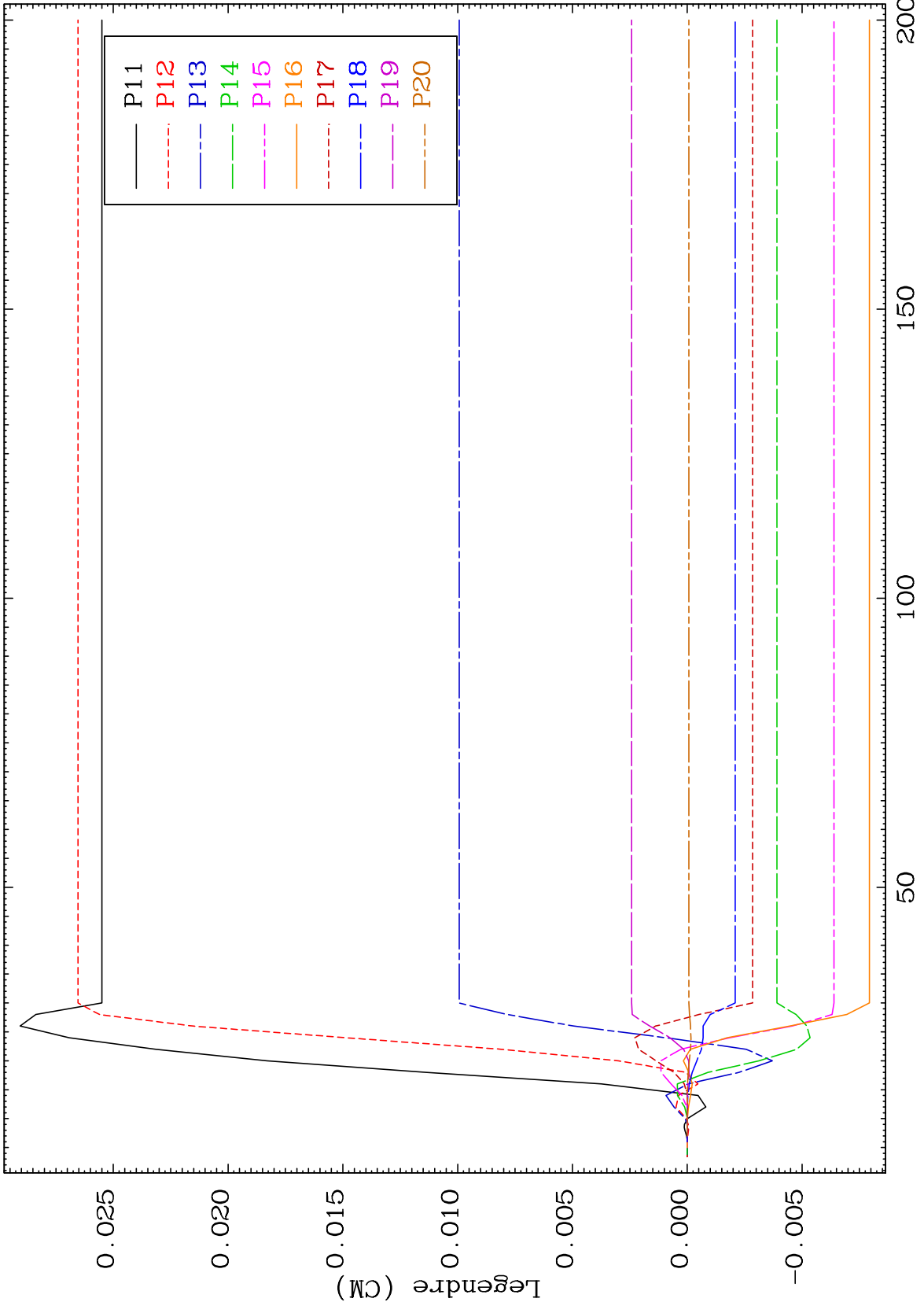
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



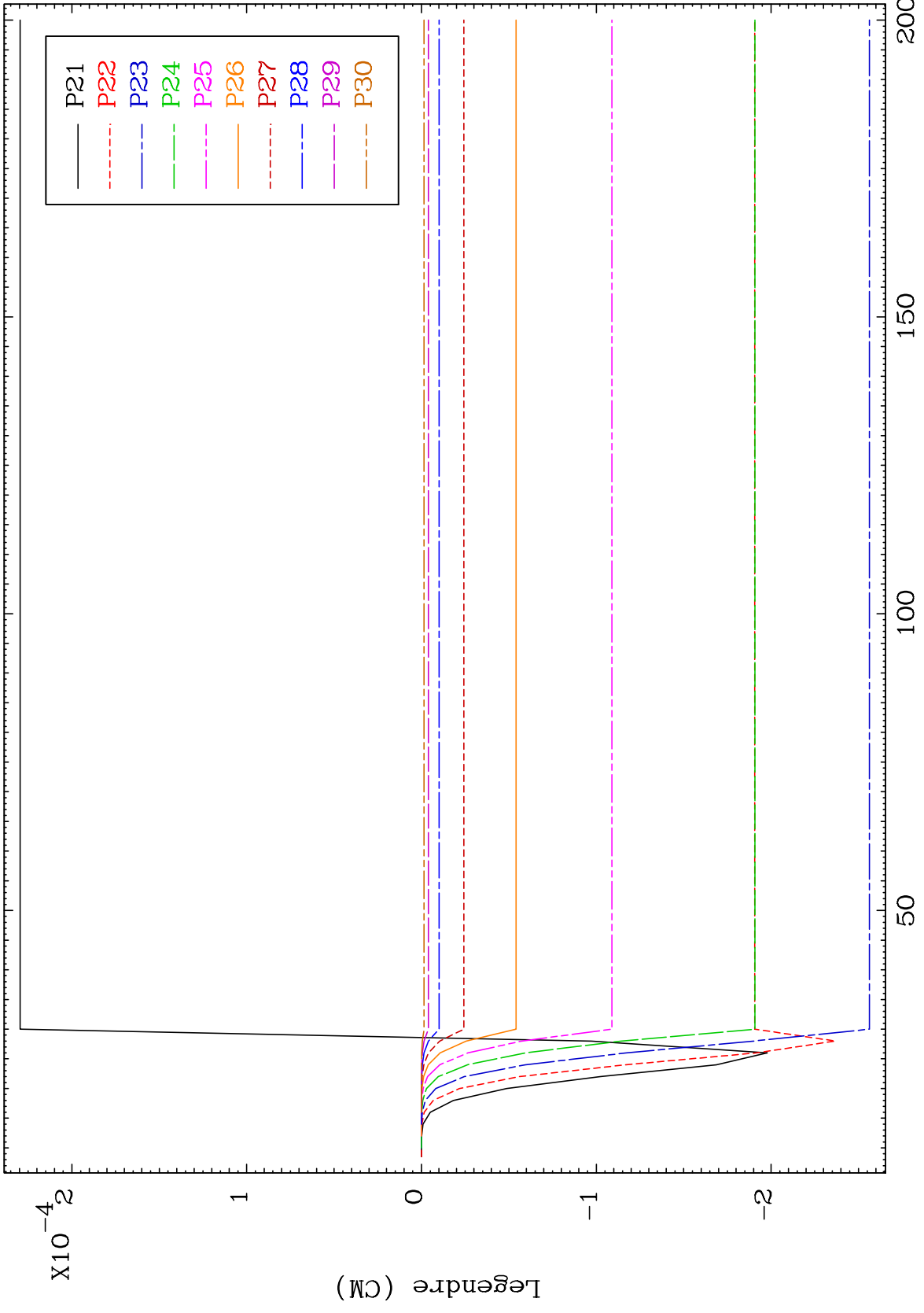
102

82-Pb-202

MAT 8219

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

82-Pb-202

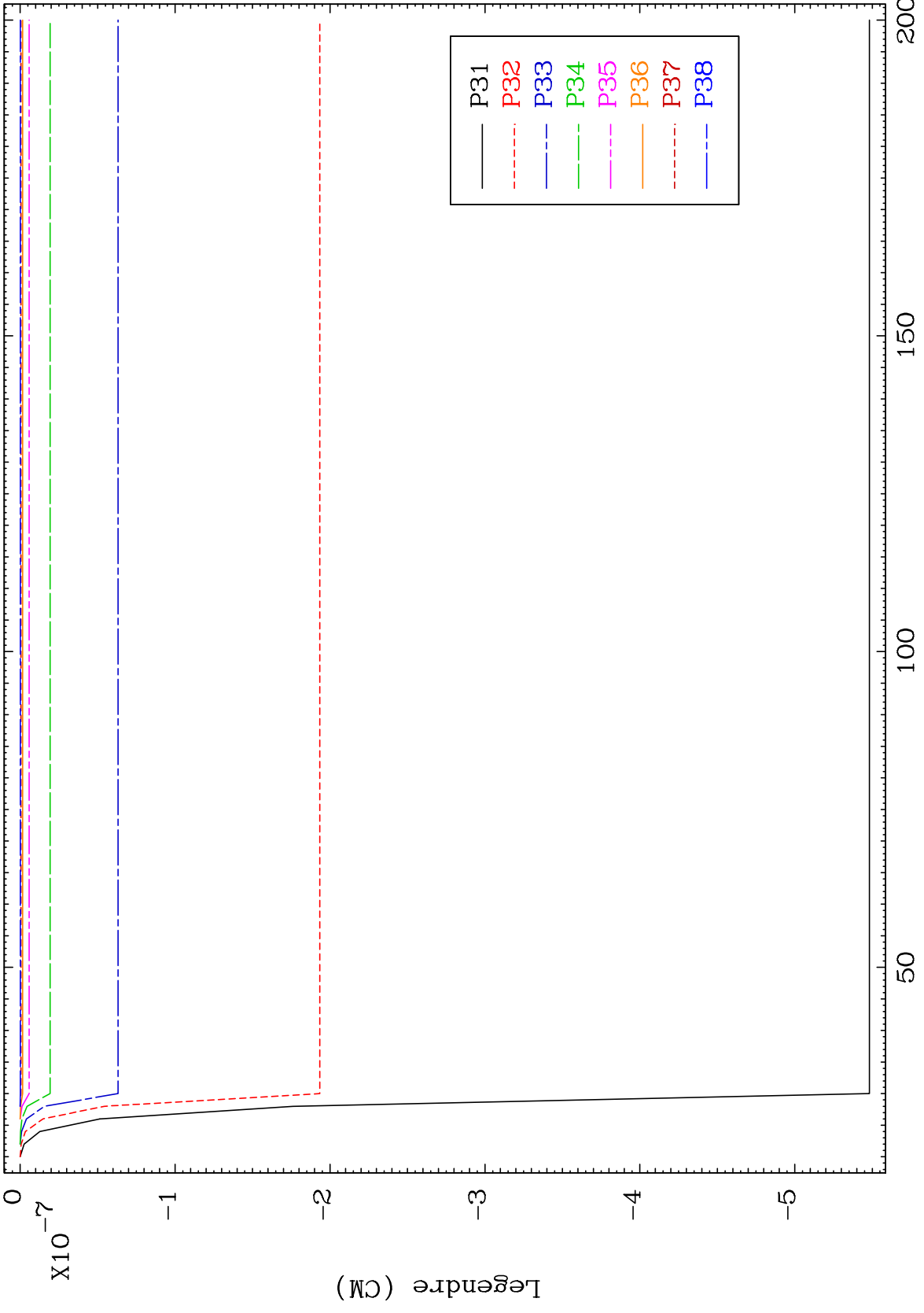


103

Incident Energy (MeV)

82-Pb-202

MAT 8219 MT= 73 (n,n') Level Legendre Coefficients 82-Pb-202

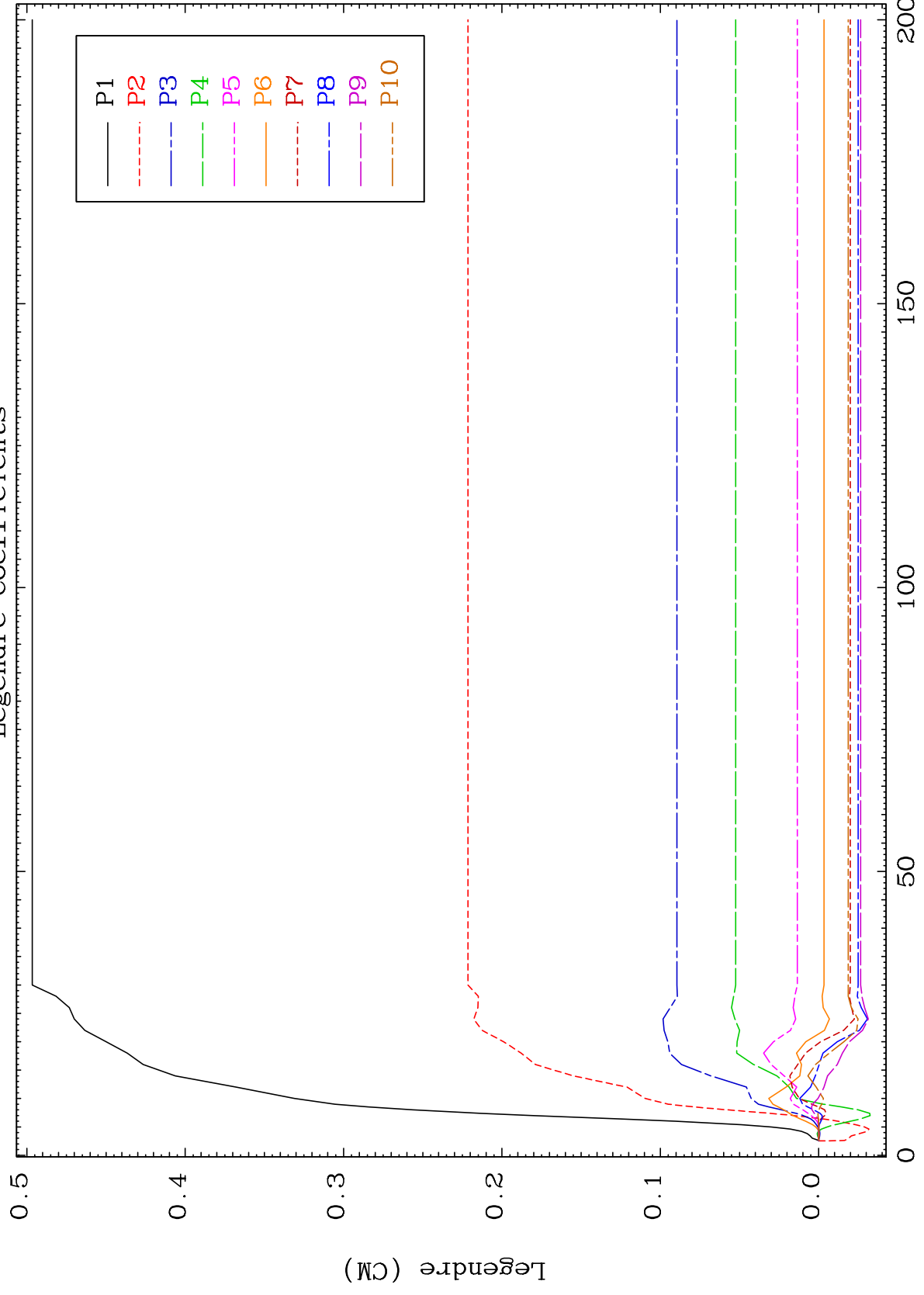


104 82-Pb-202

MAT 8219

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

82-Pb-202



105

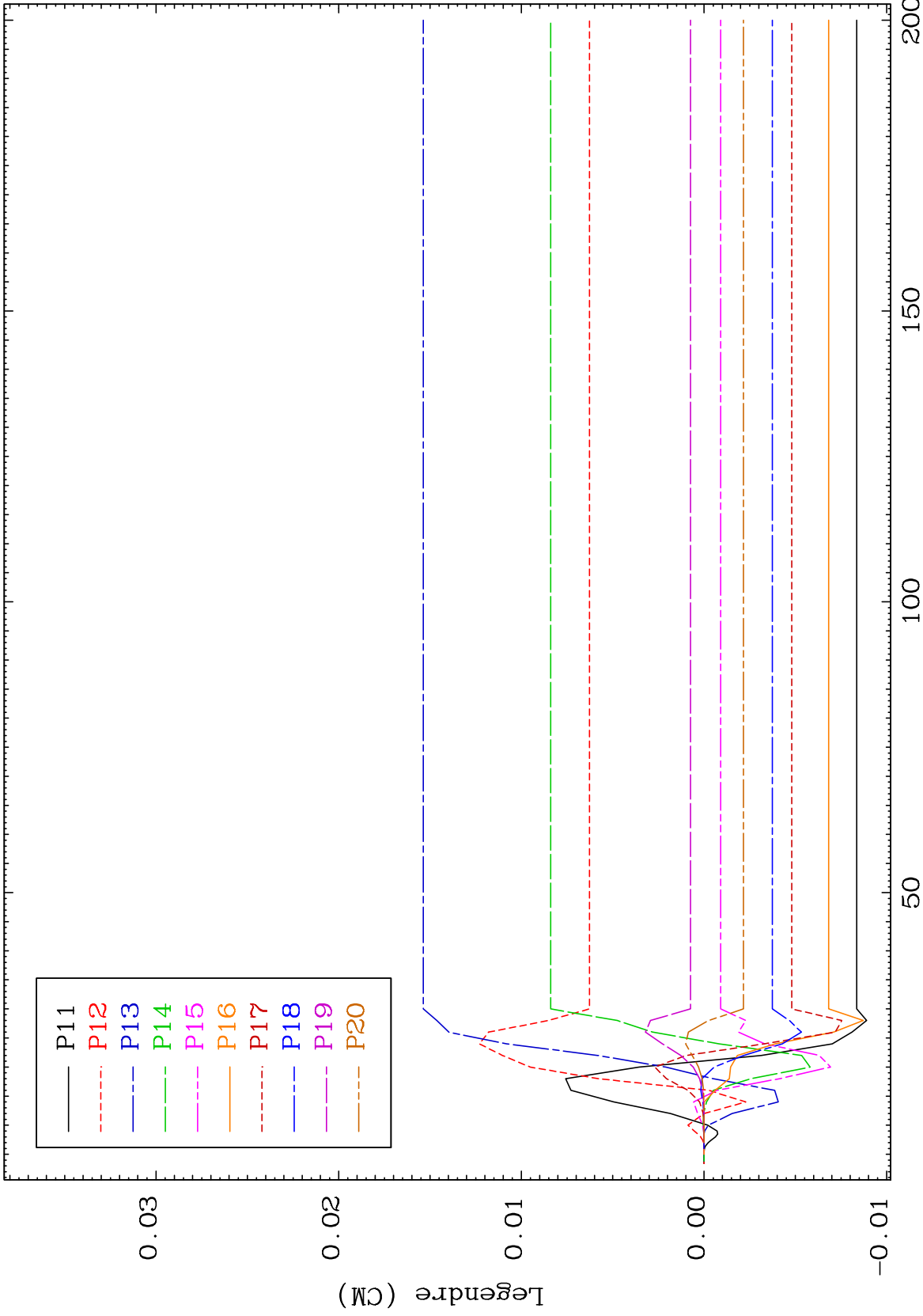
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



106

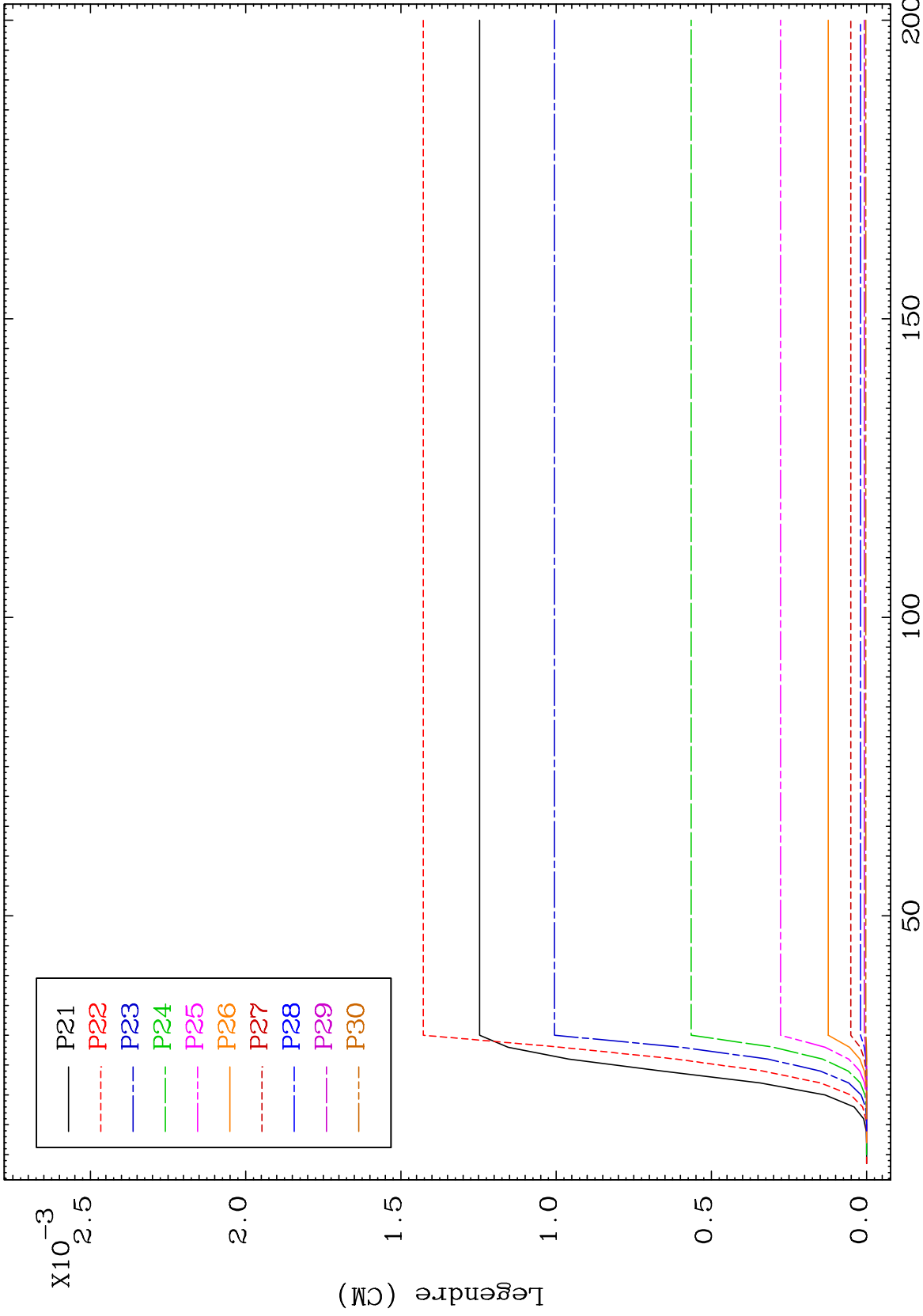
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



107

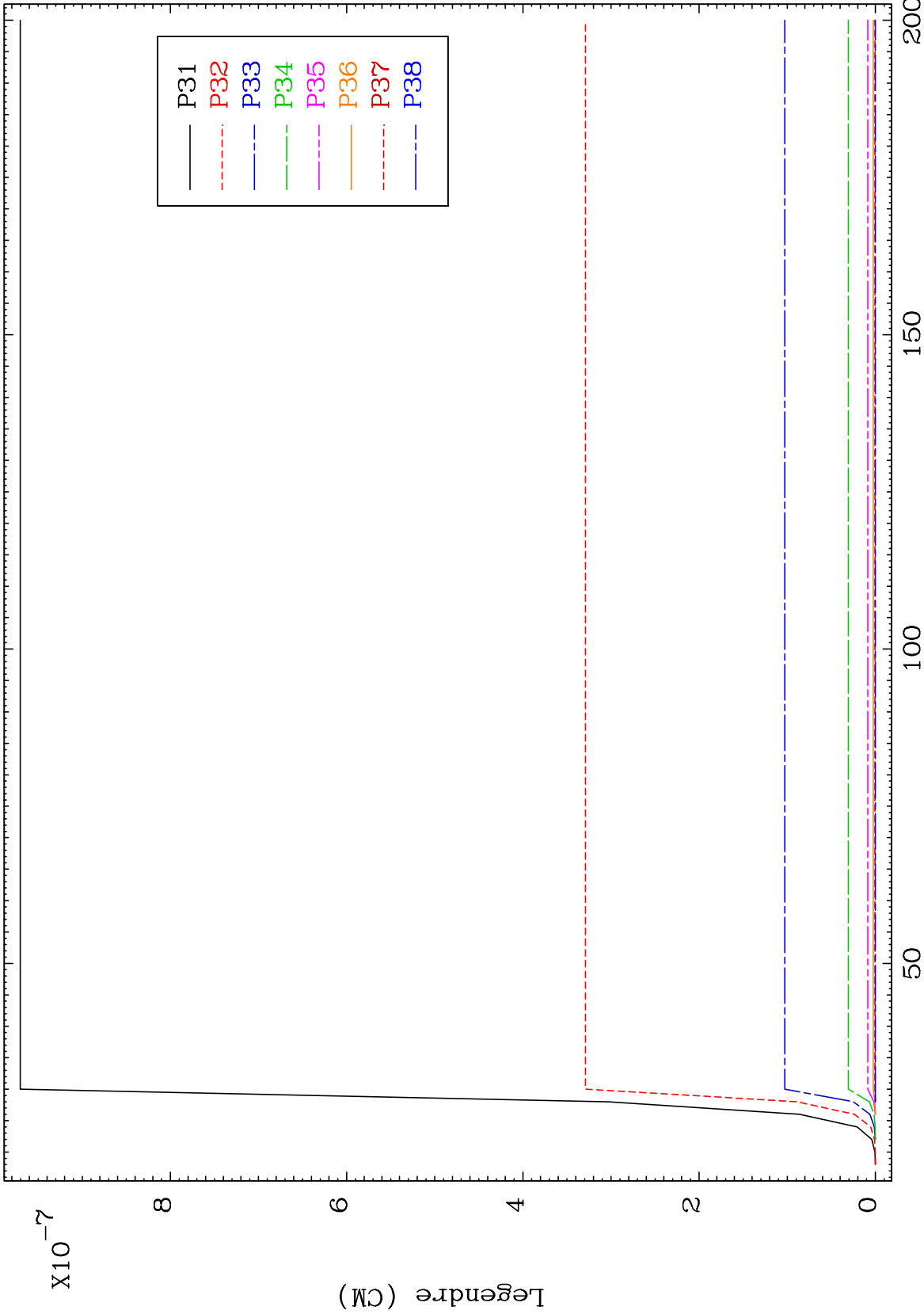
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



108

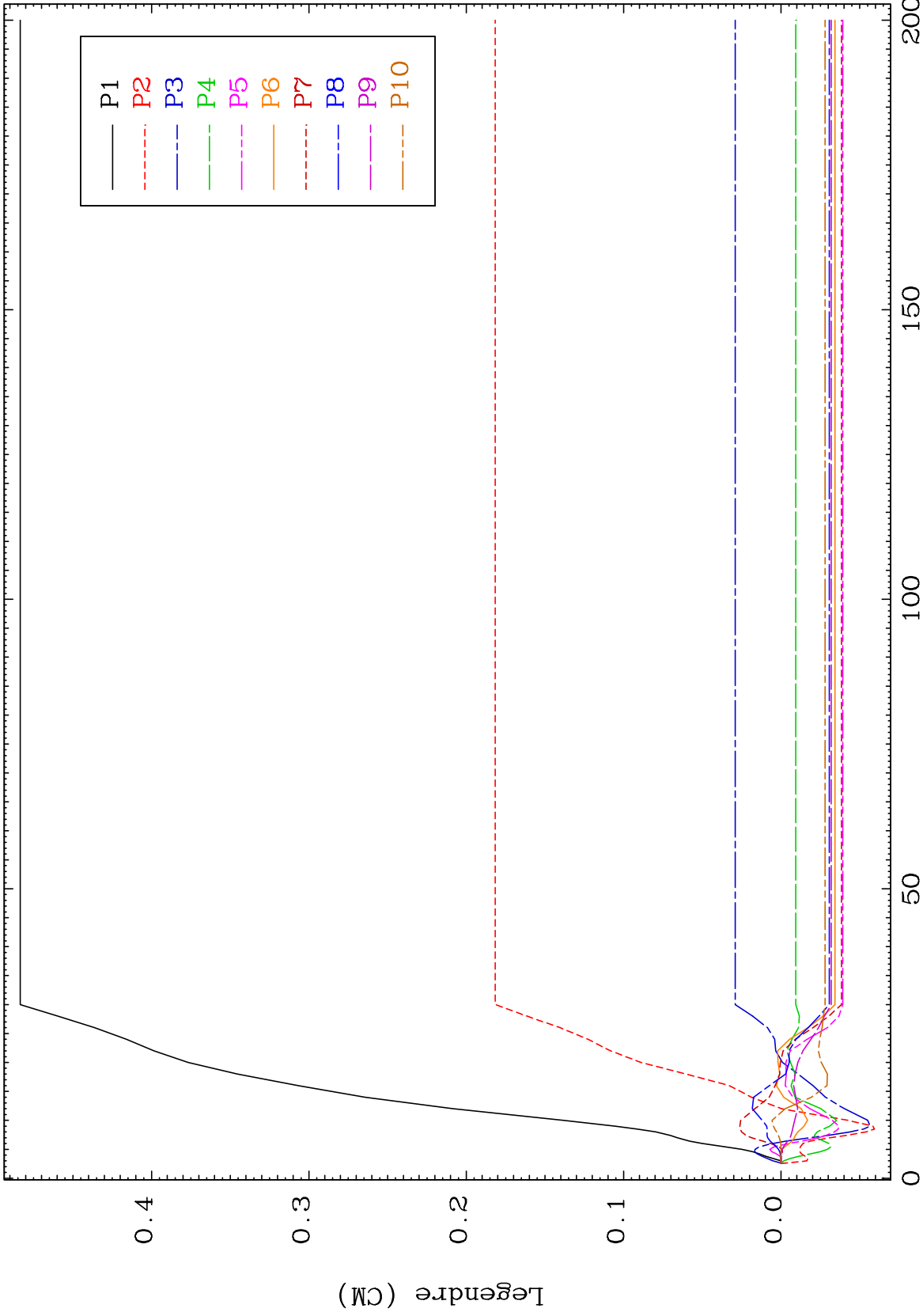
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



109

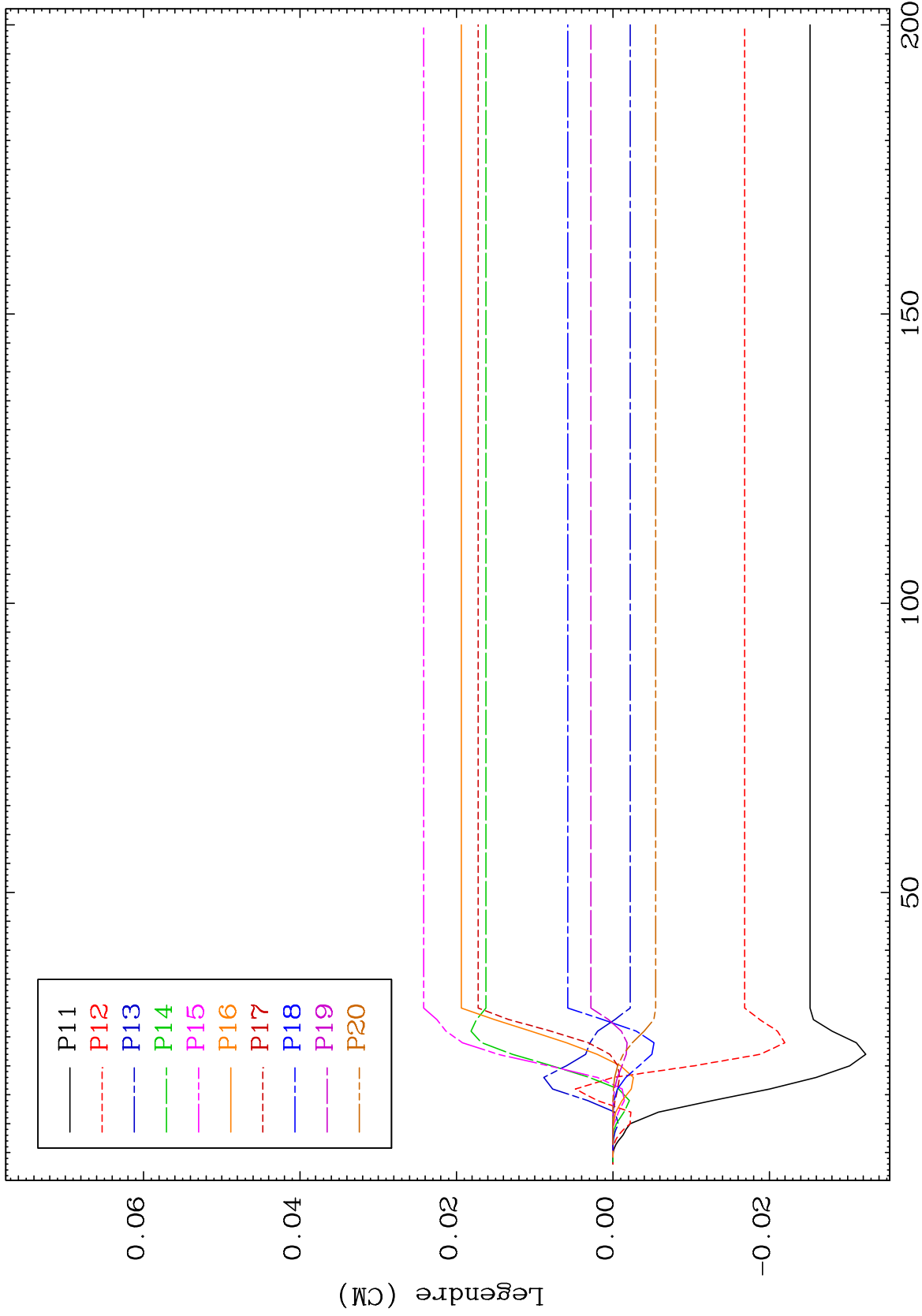
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



110

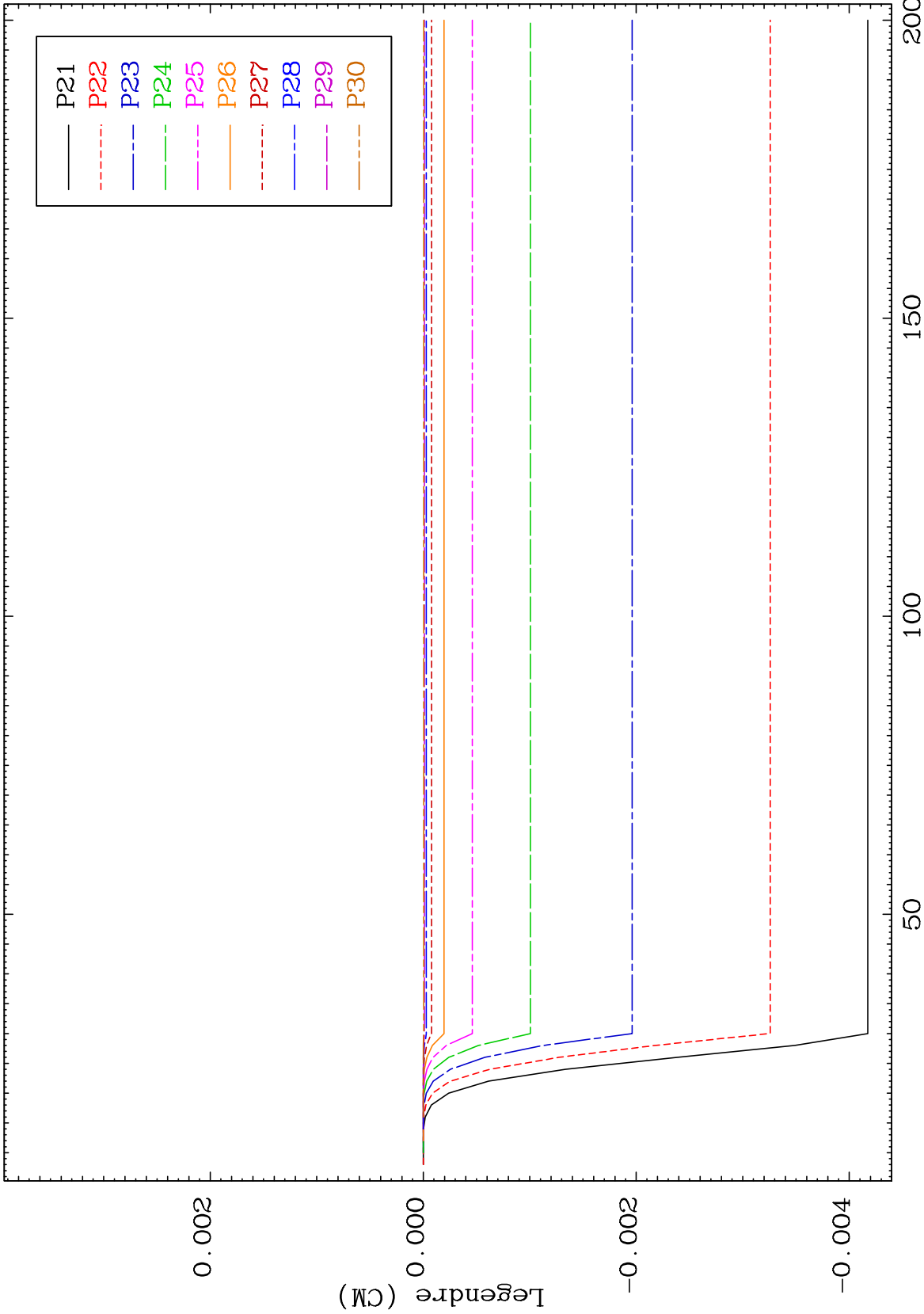
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



111

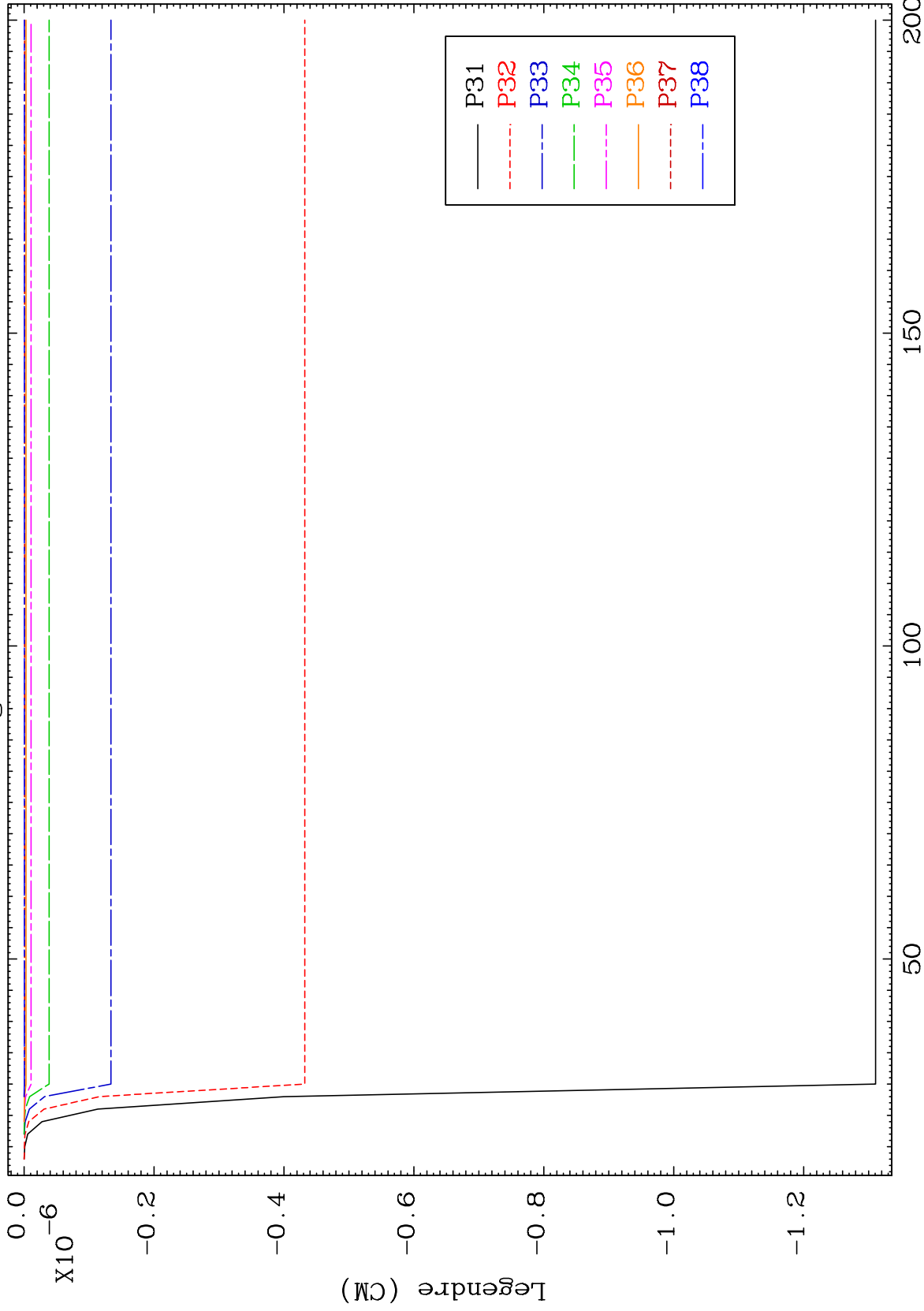
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



112

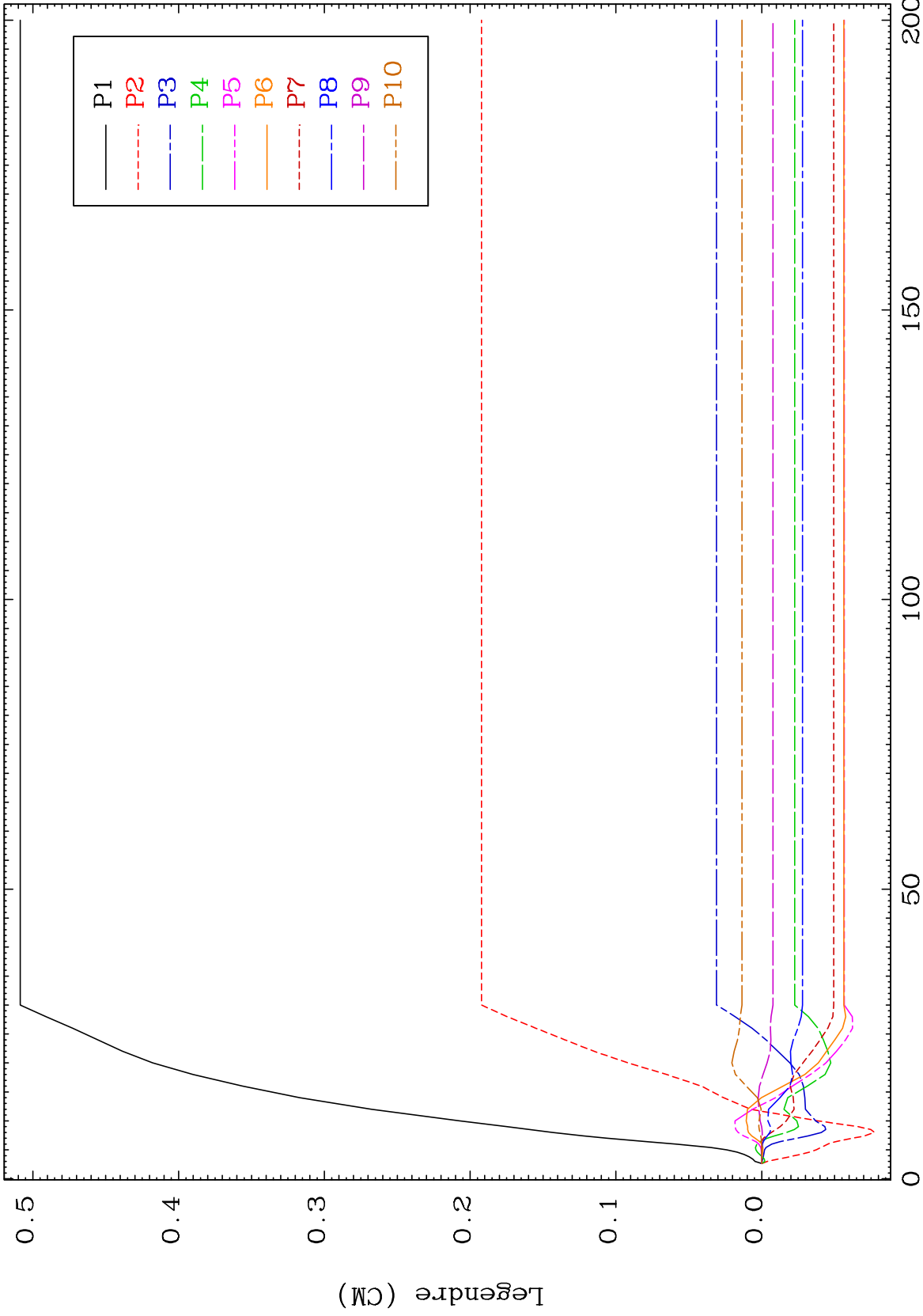
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



113

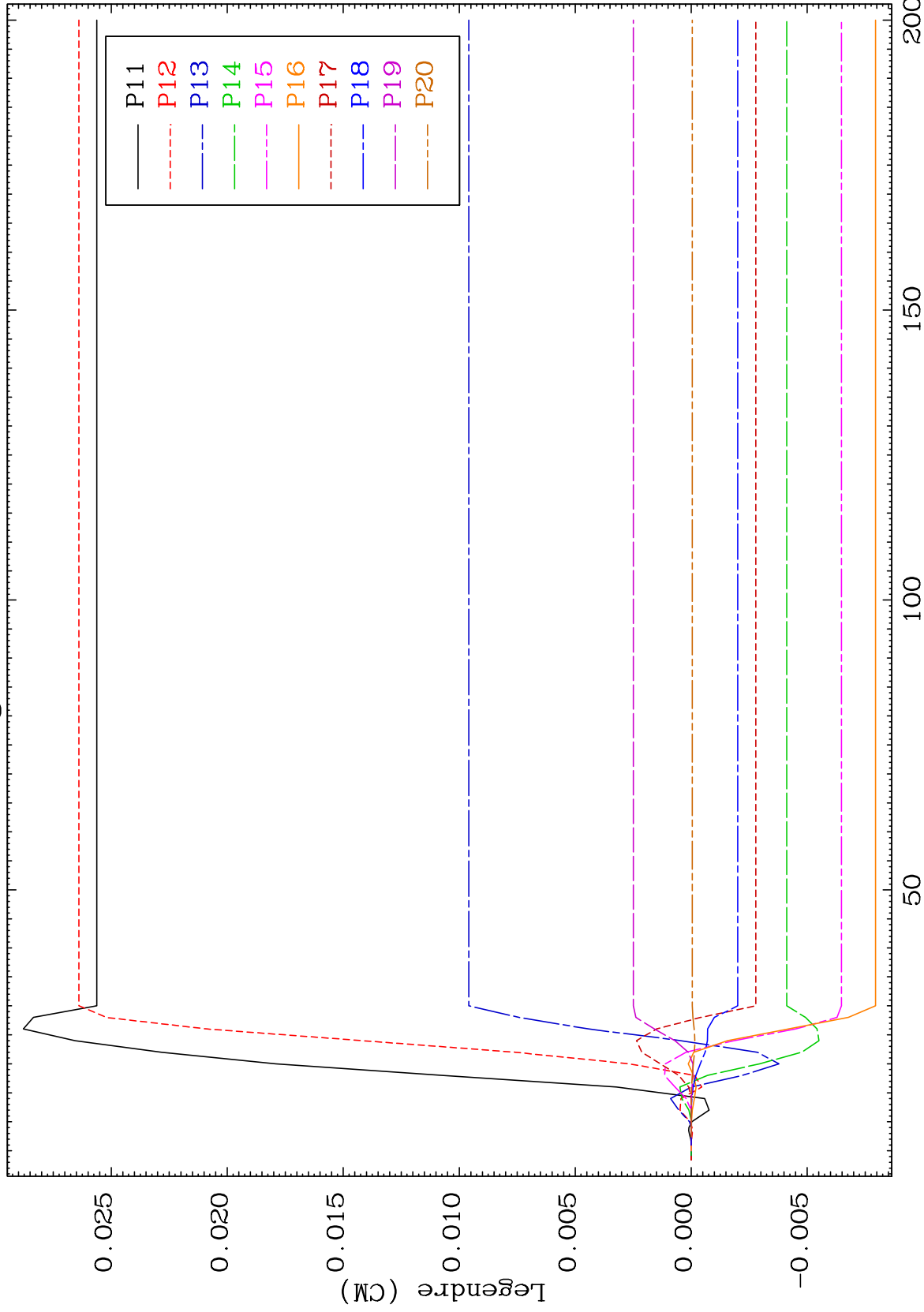
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



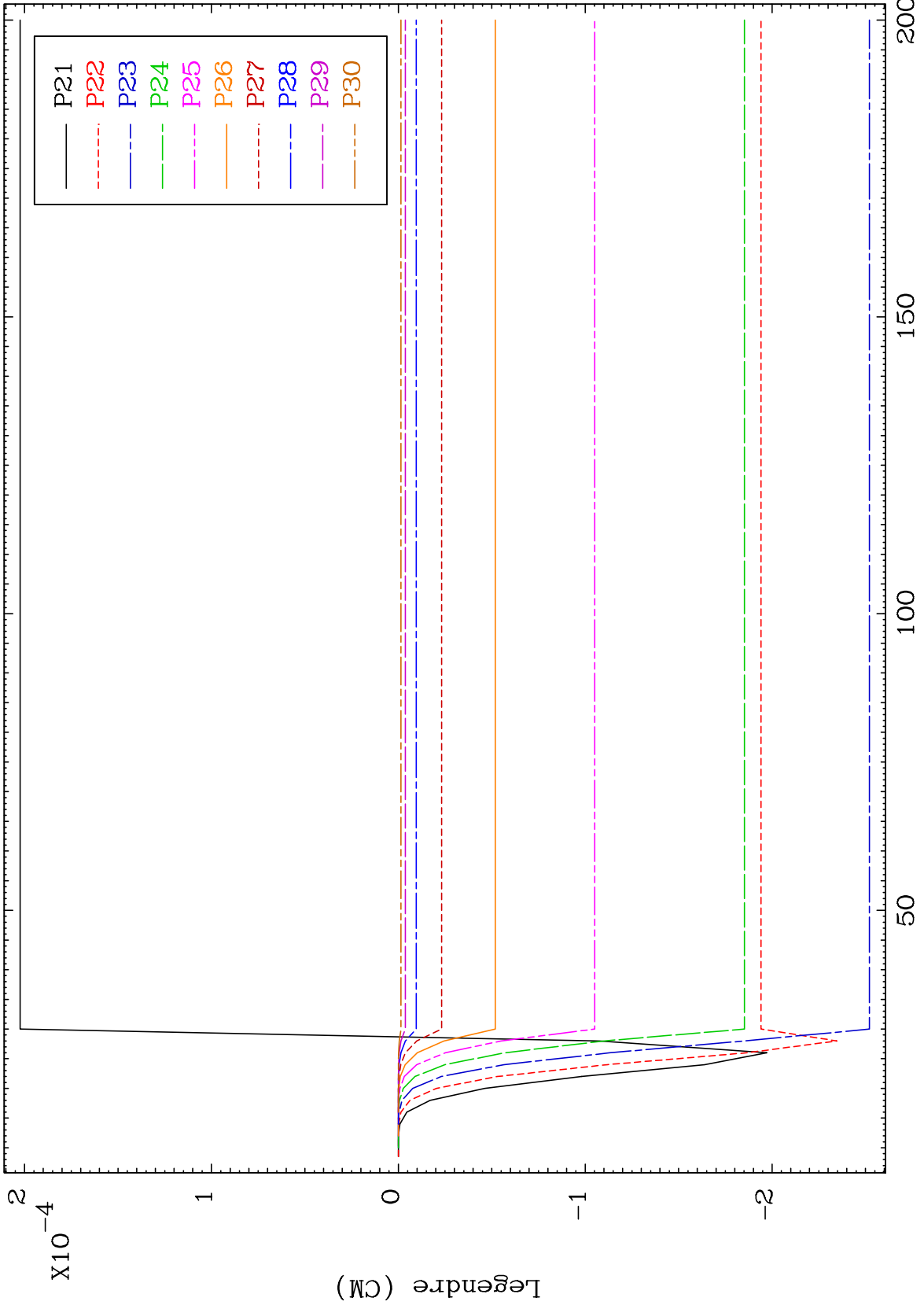
114

82-Pb-202

MAT 8219

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

82-Pb-202



115

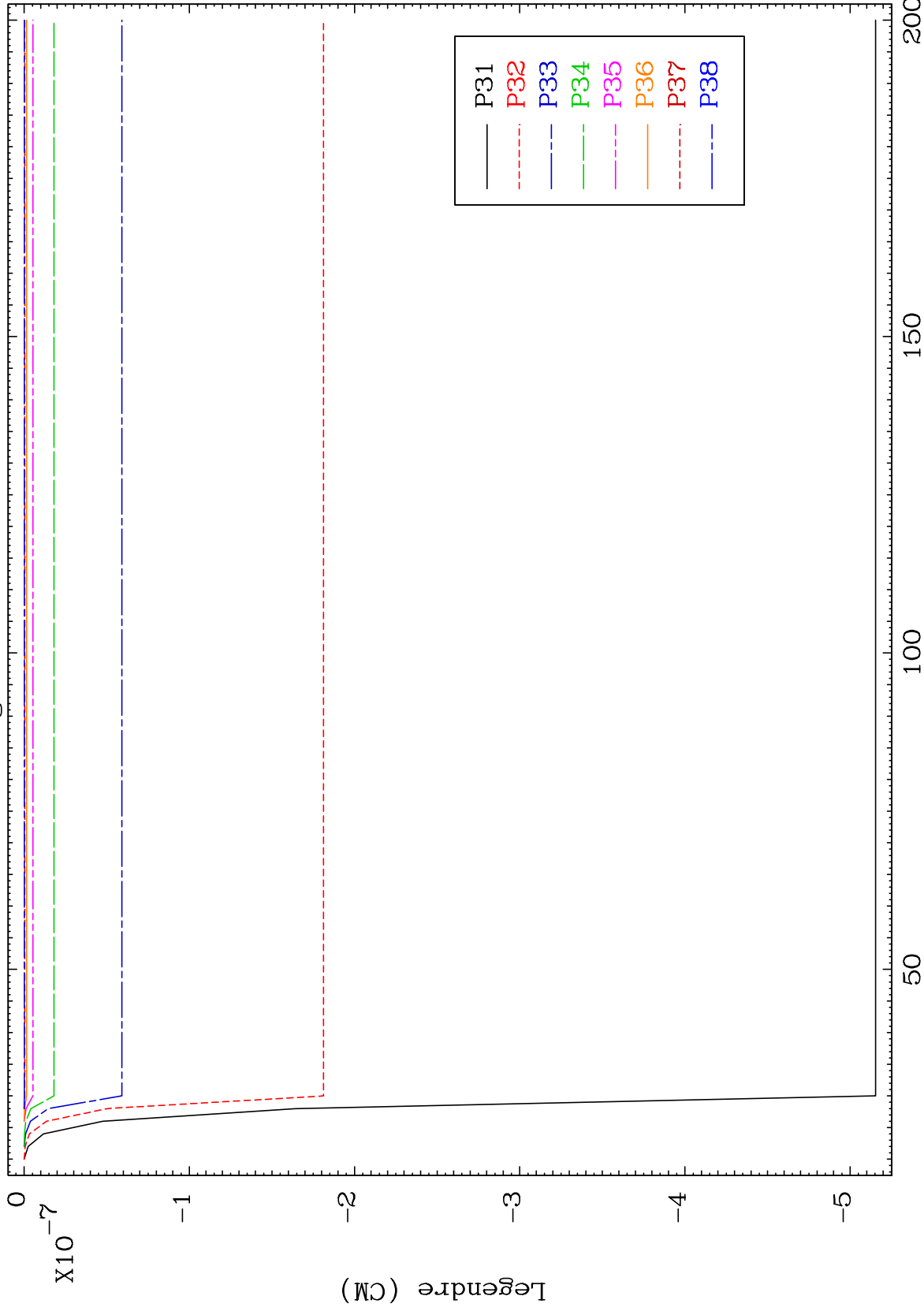
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



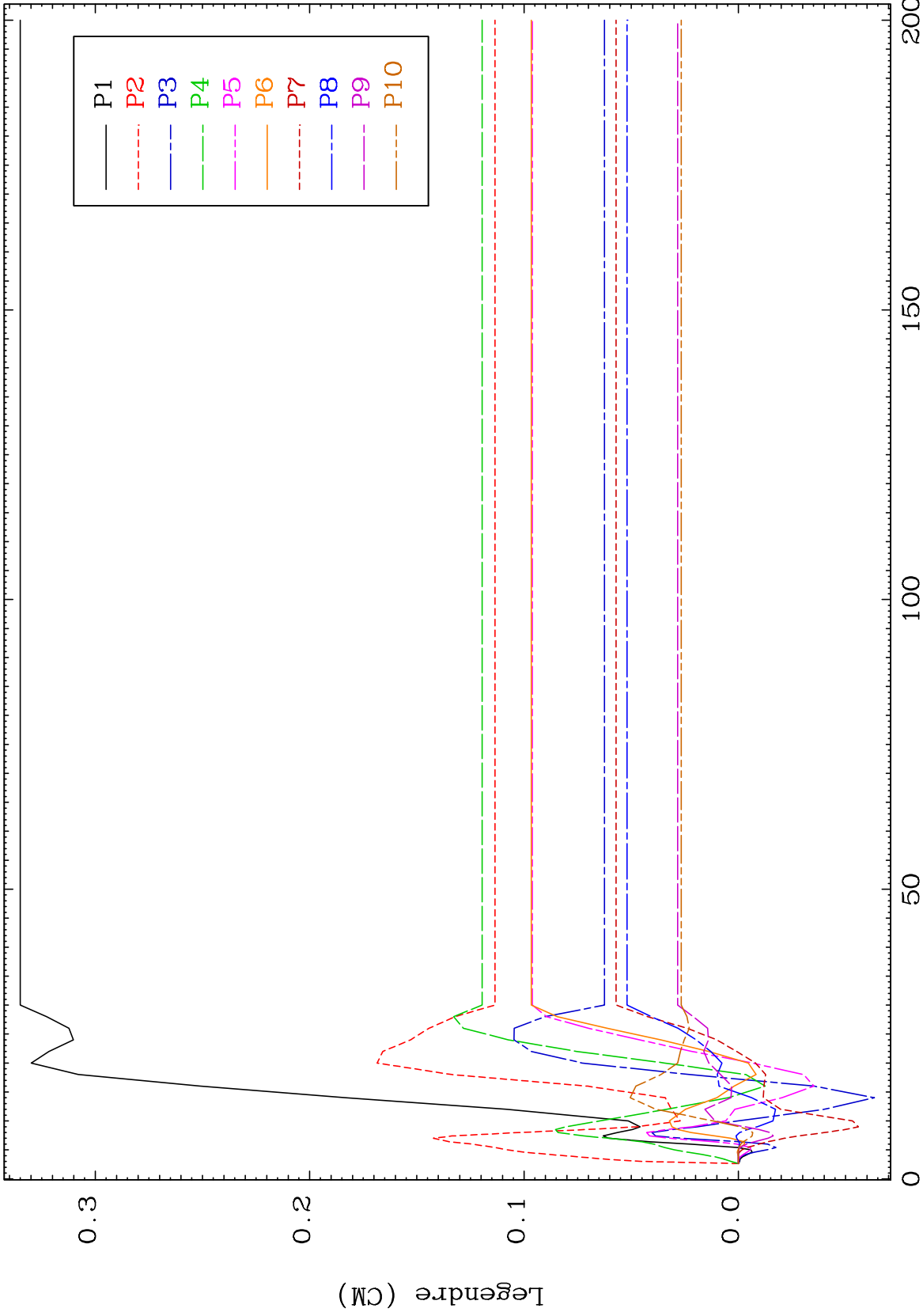
82-Pb-202

116

MAT 8219

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

82-Pb-202



117

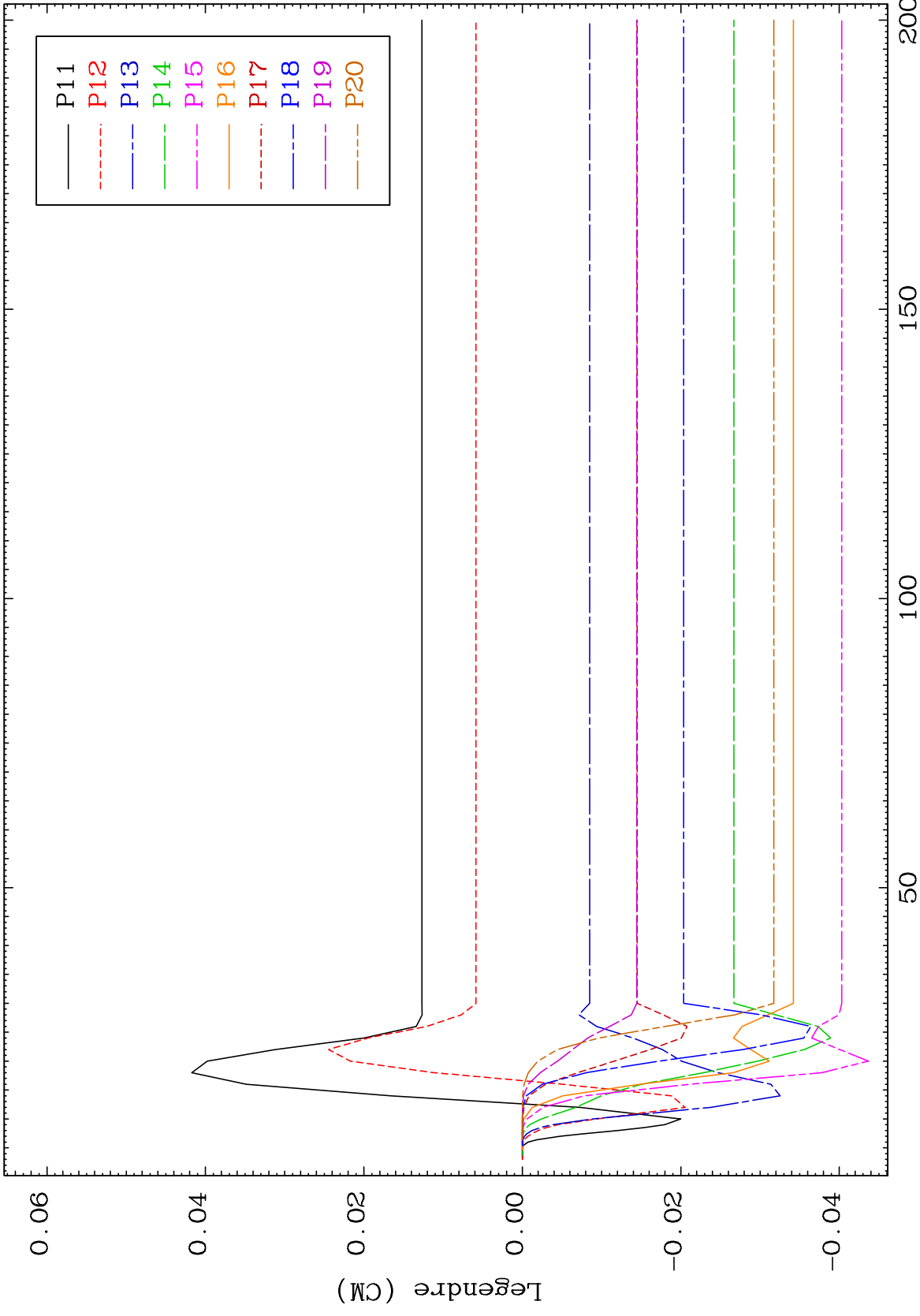
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



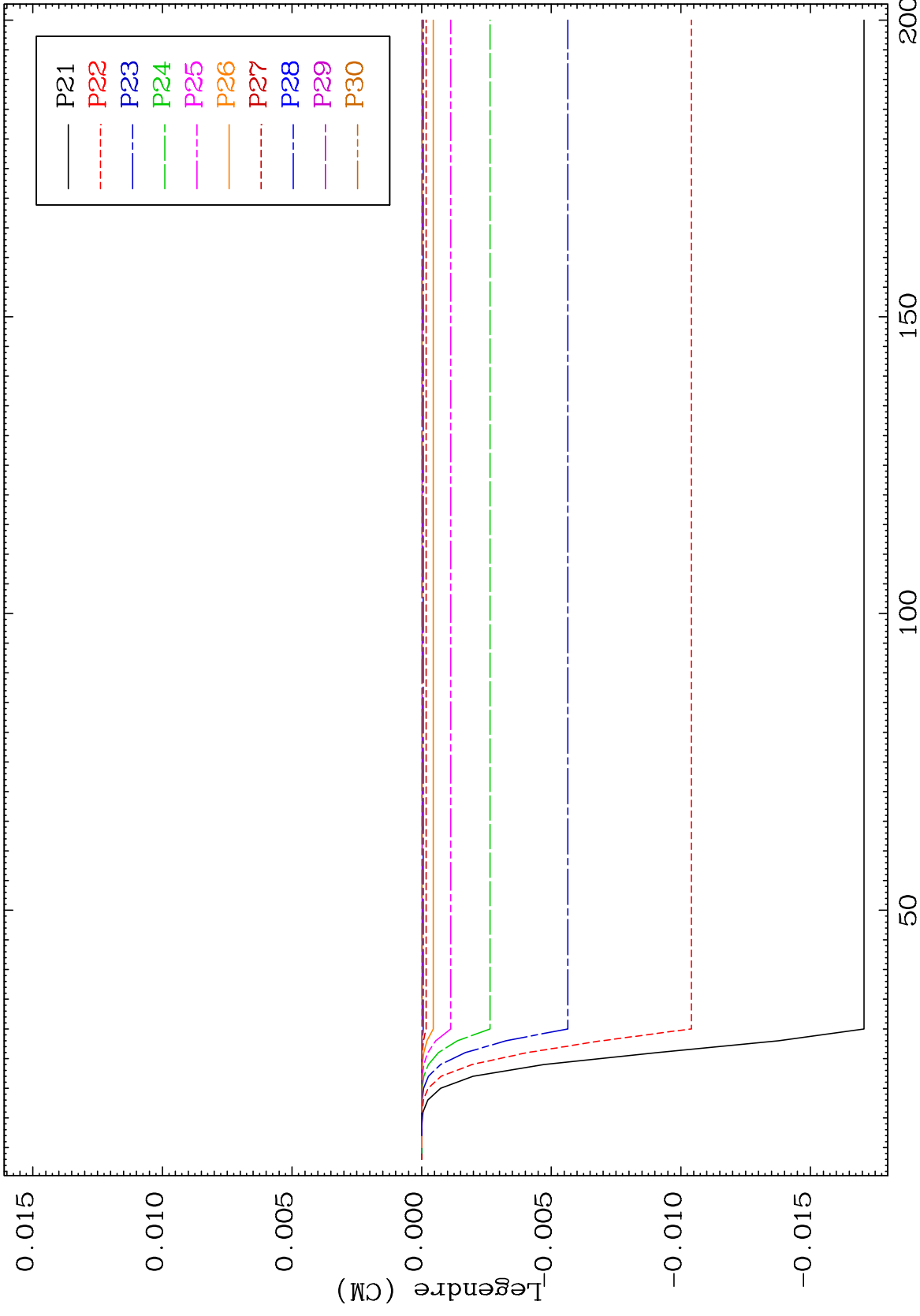
118

82-Pb-202

MAT 8219

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

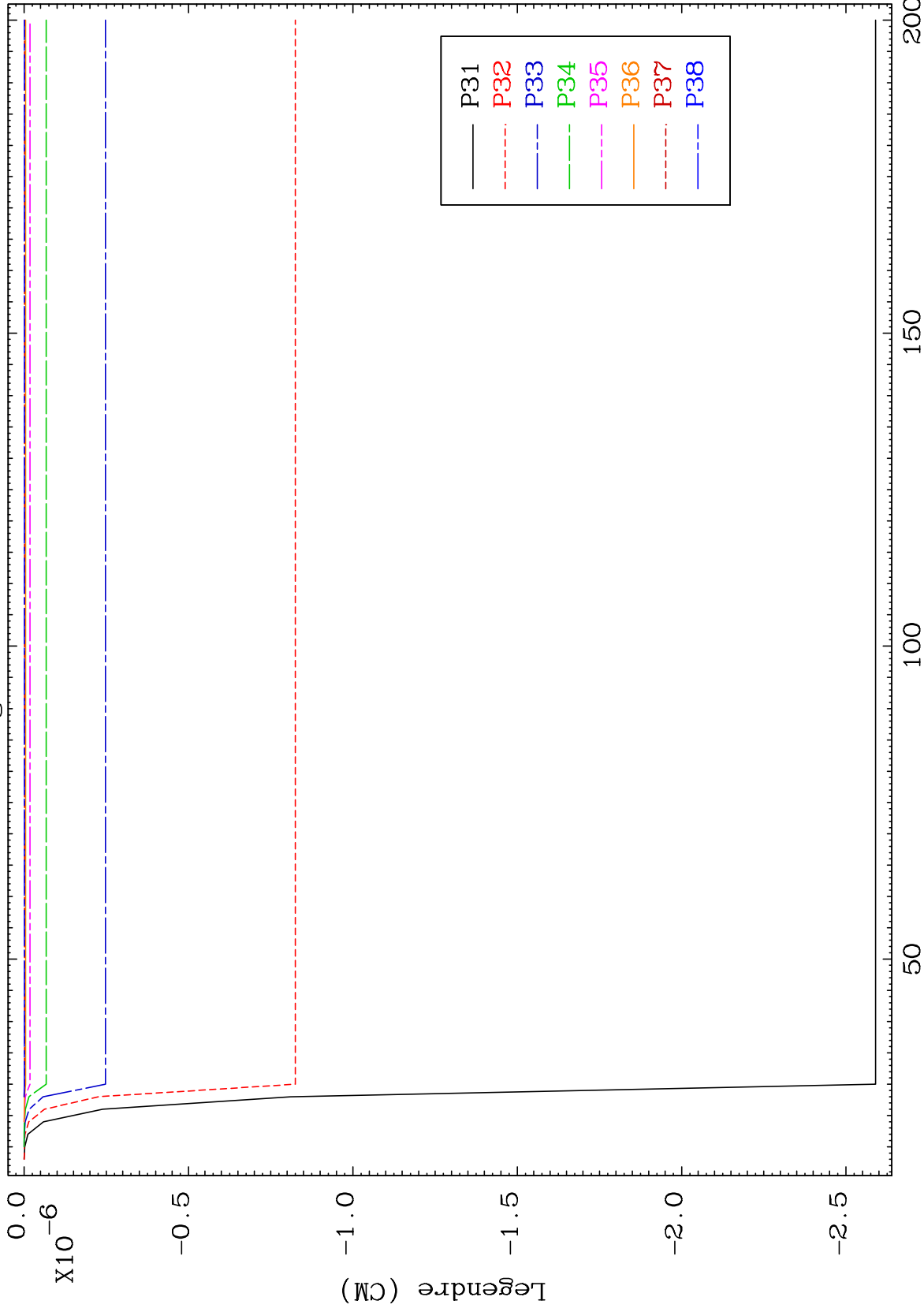
82-Pb-202



MAT 8219

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

82-Pb-202



120

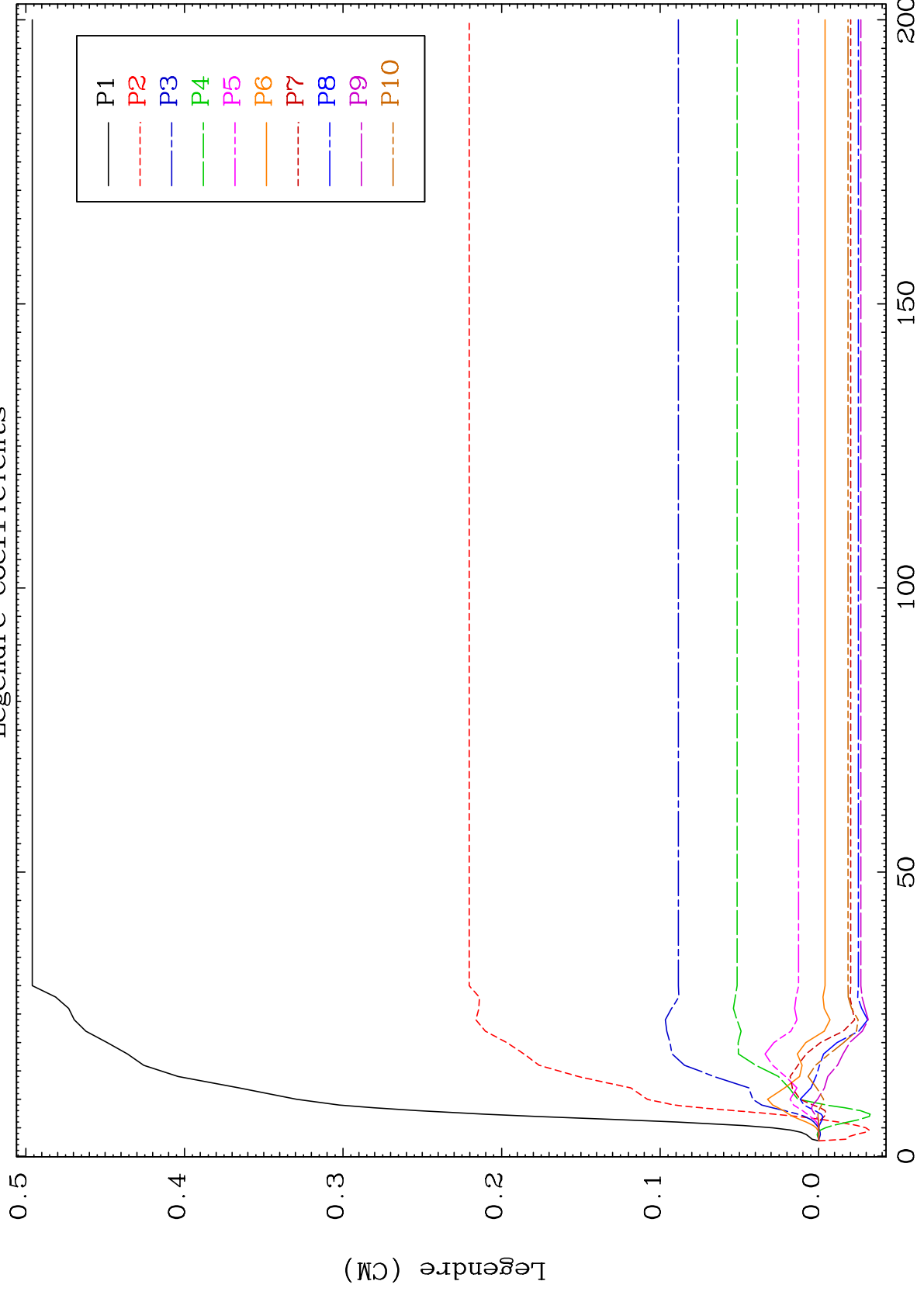
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



121

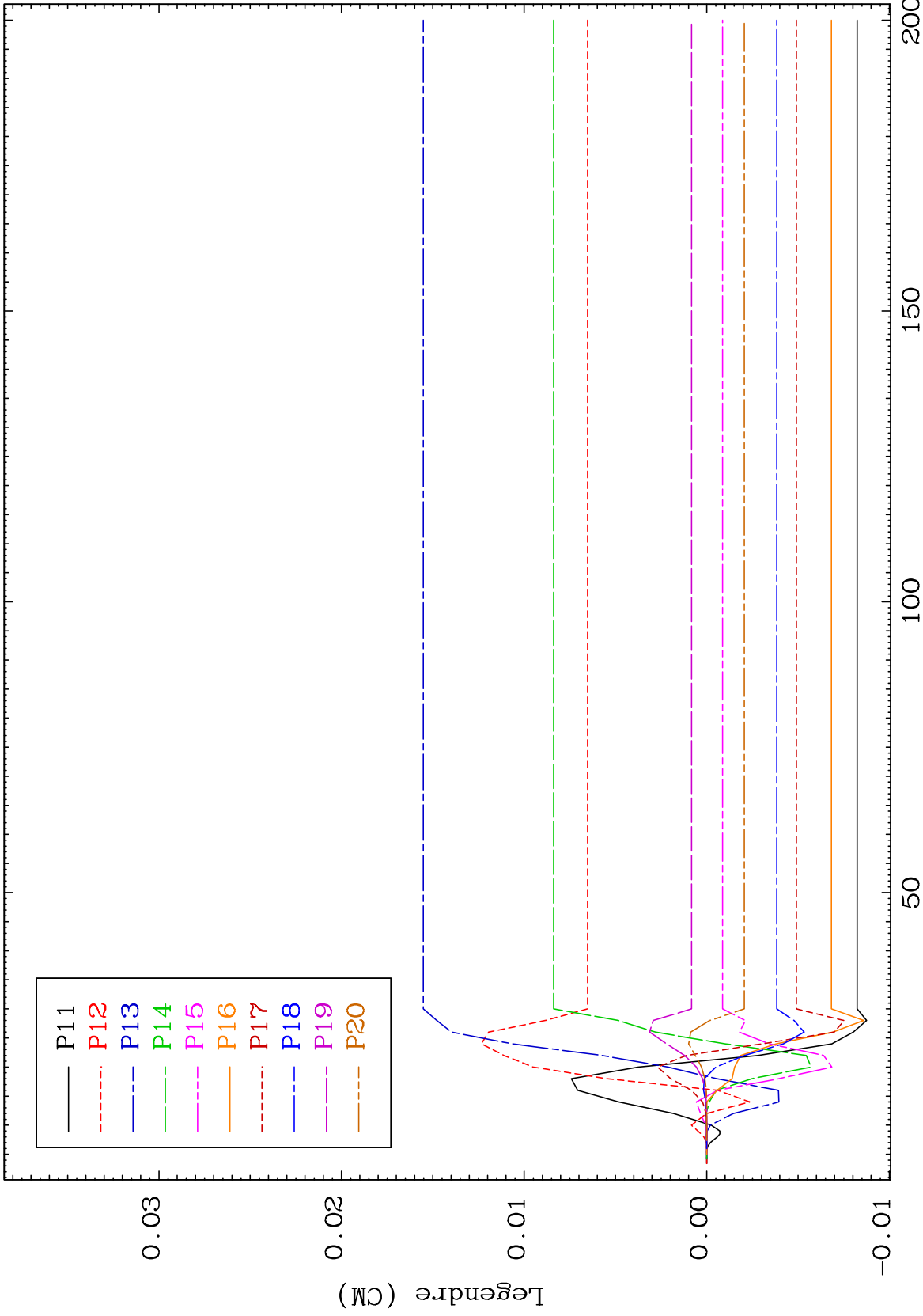
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



122

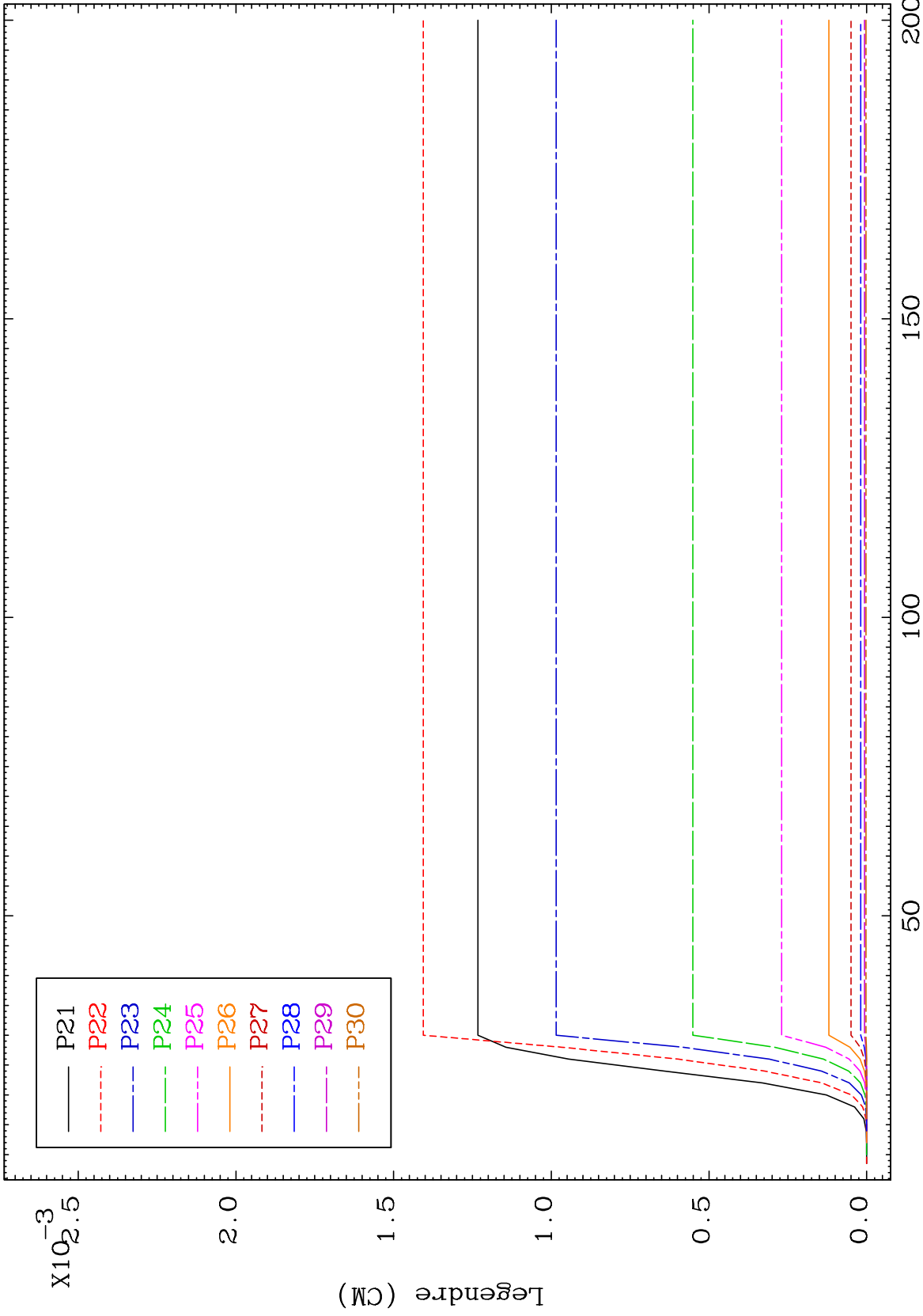
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



123

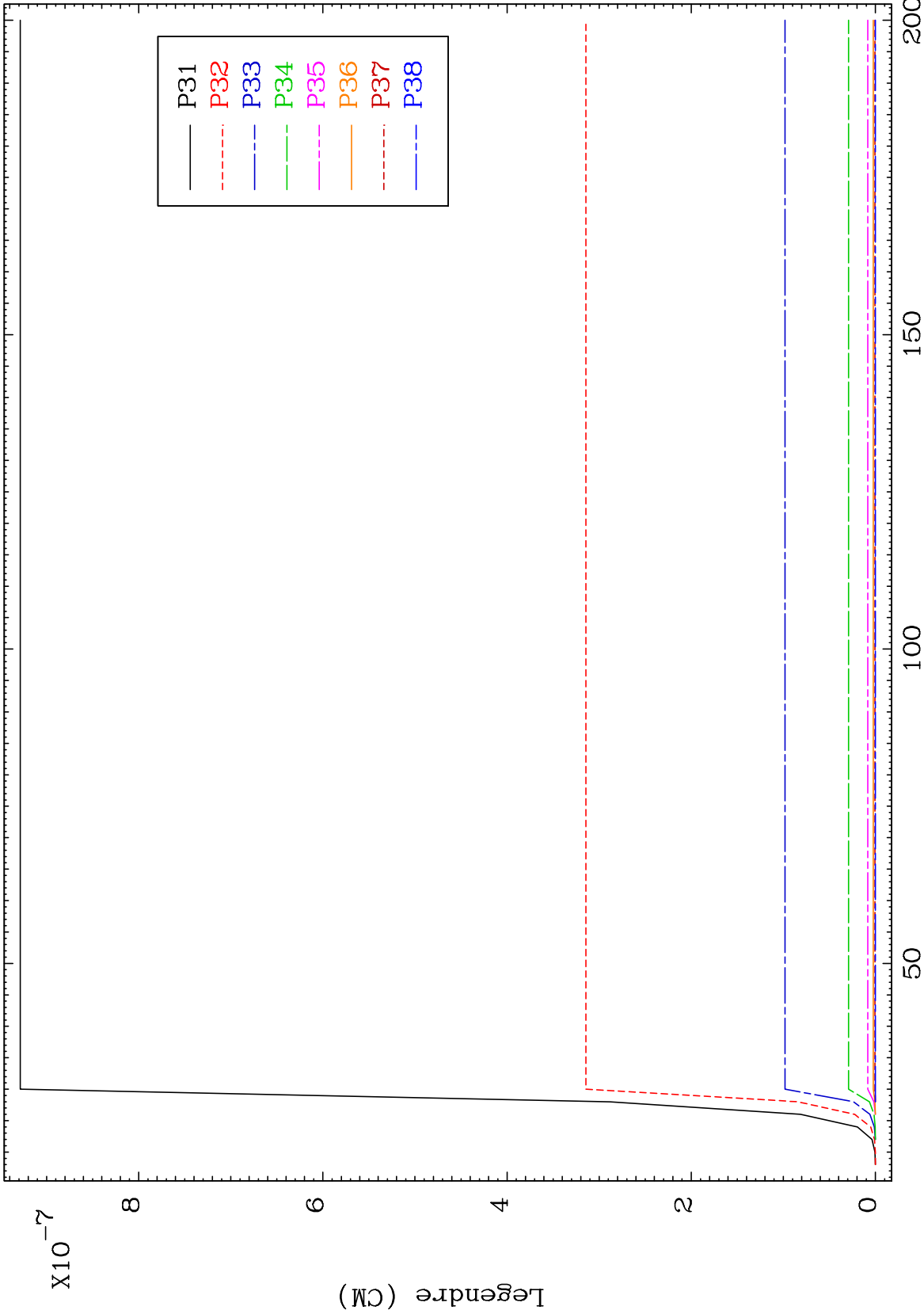
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



124

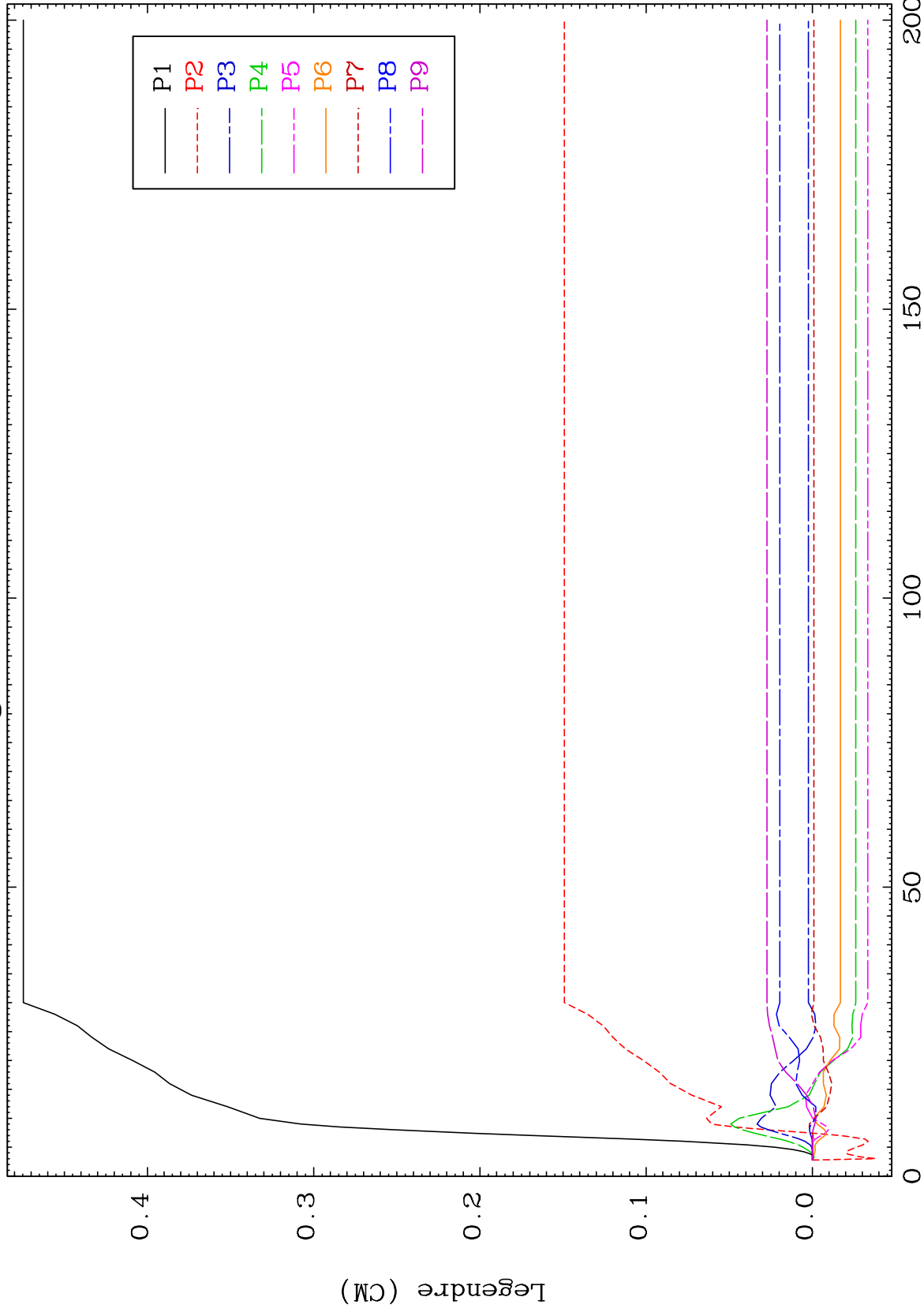
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



82-Pb-202

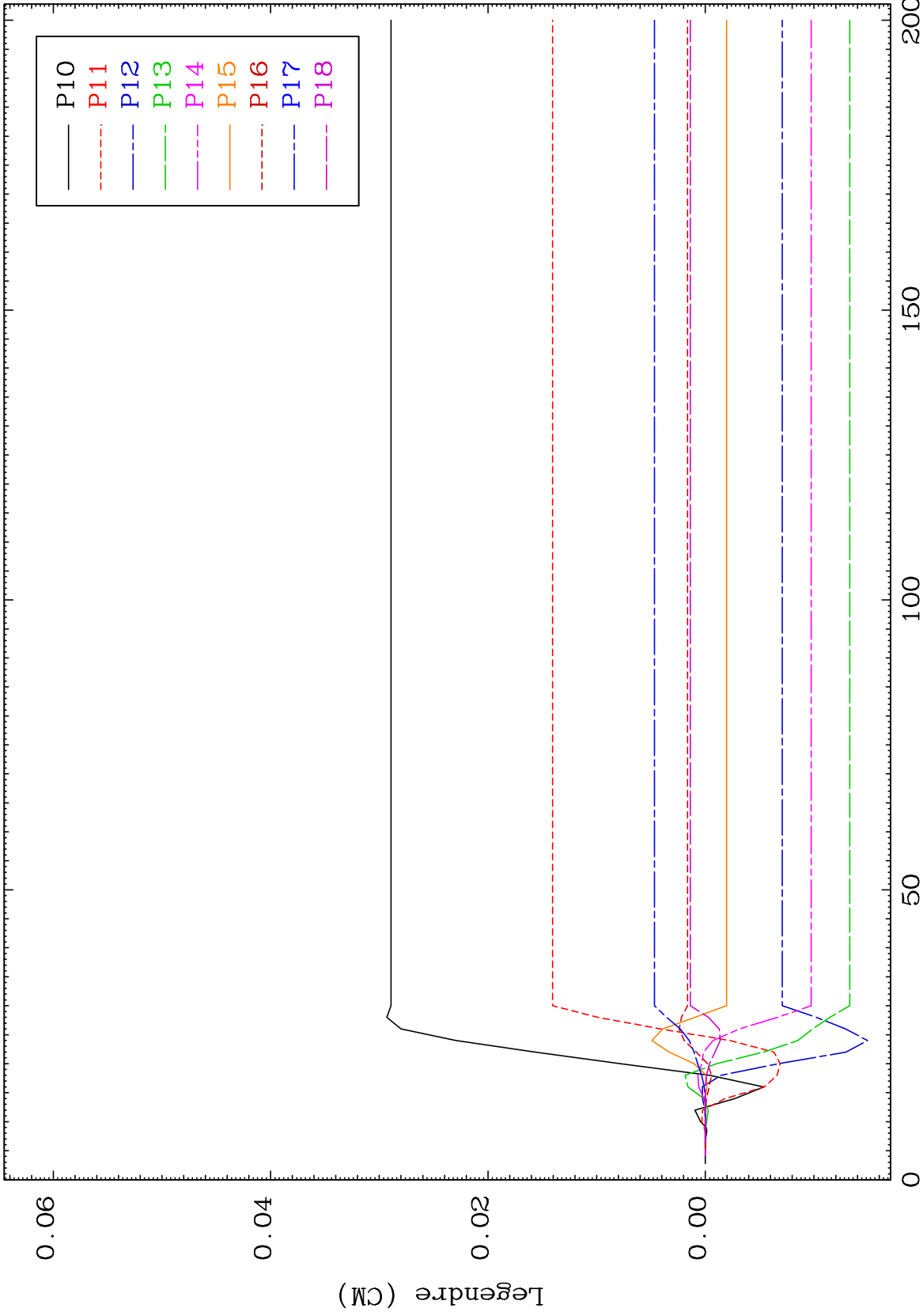
Incident Energy (MeV)

125

MAT 8219

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

82-Pb-202



126

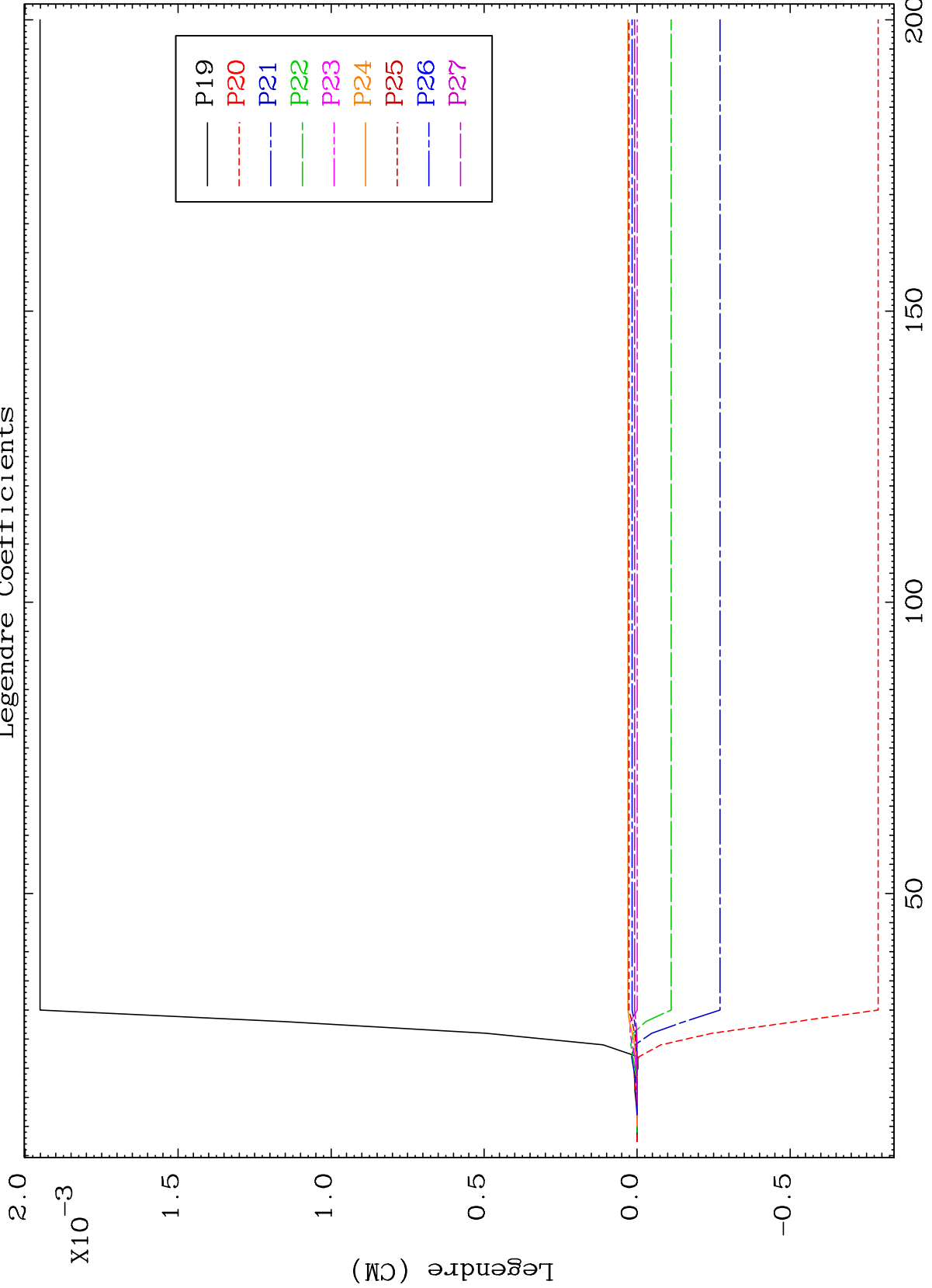
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



127

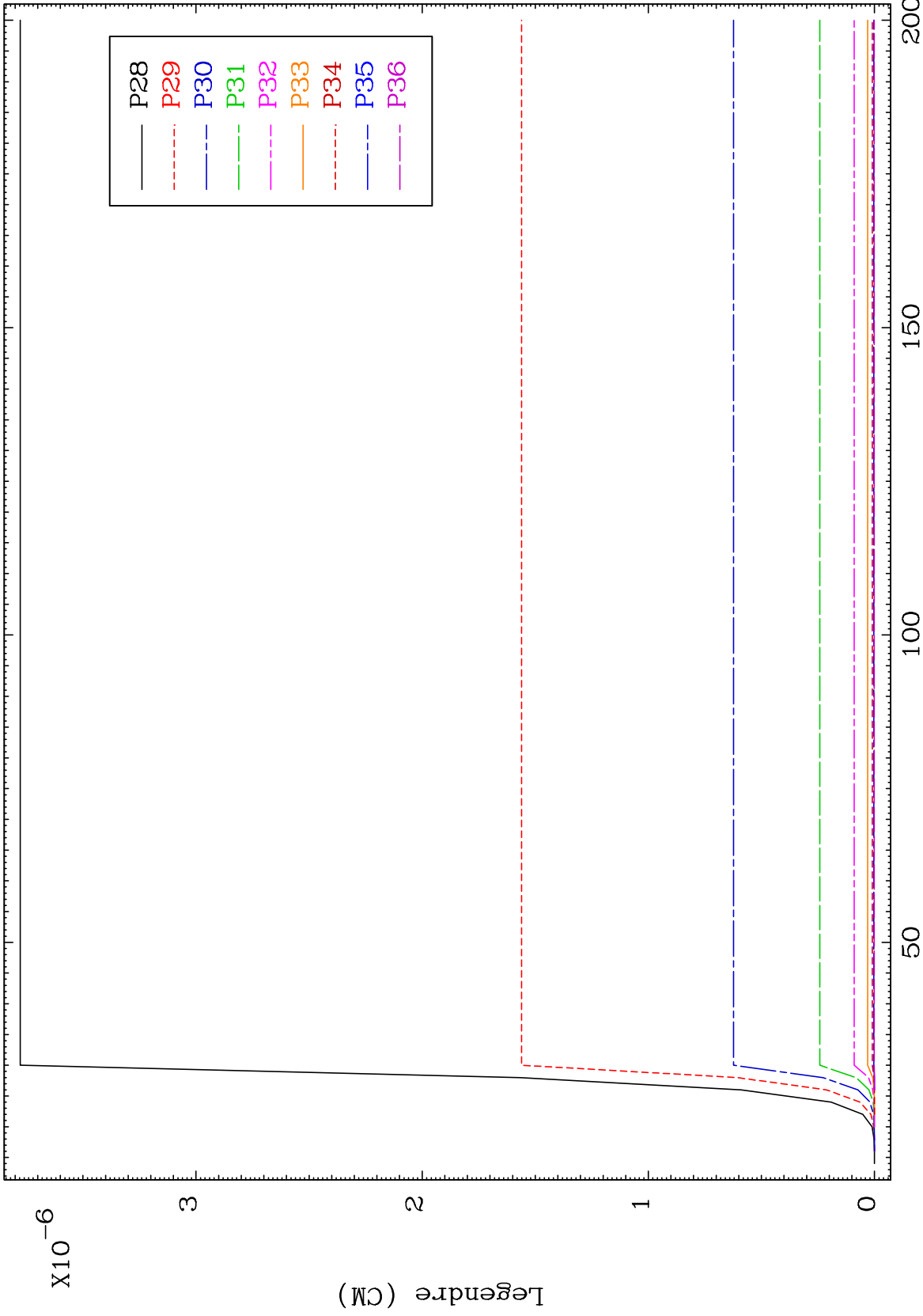
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



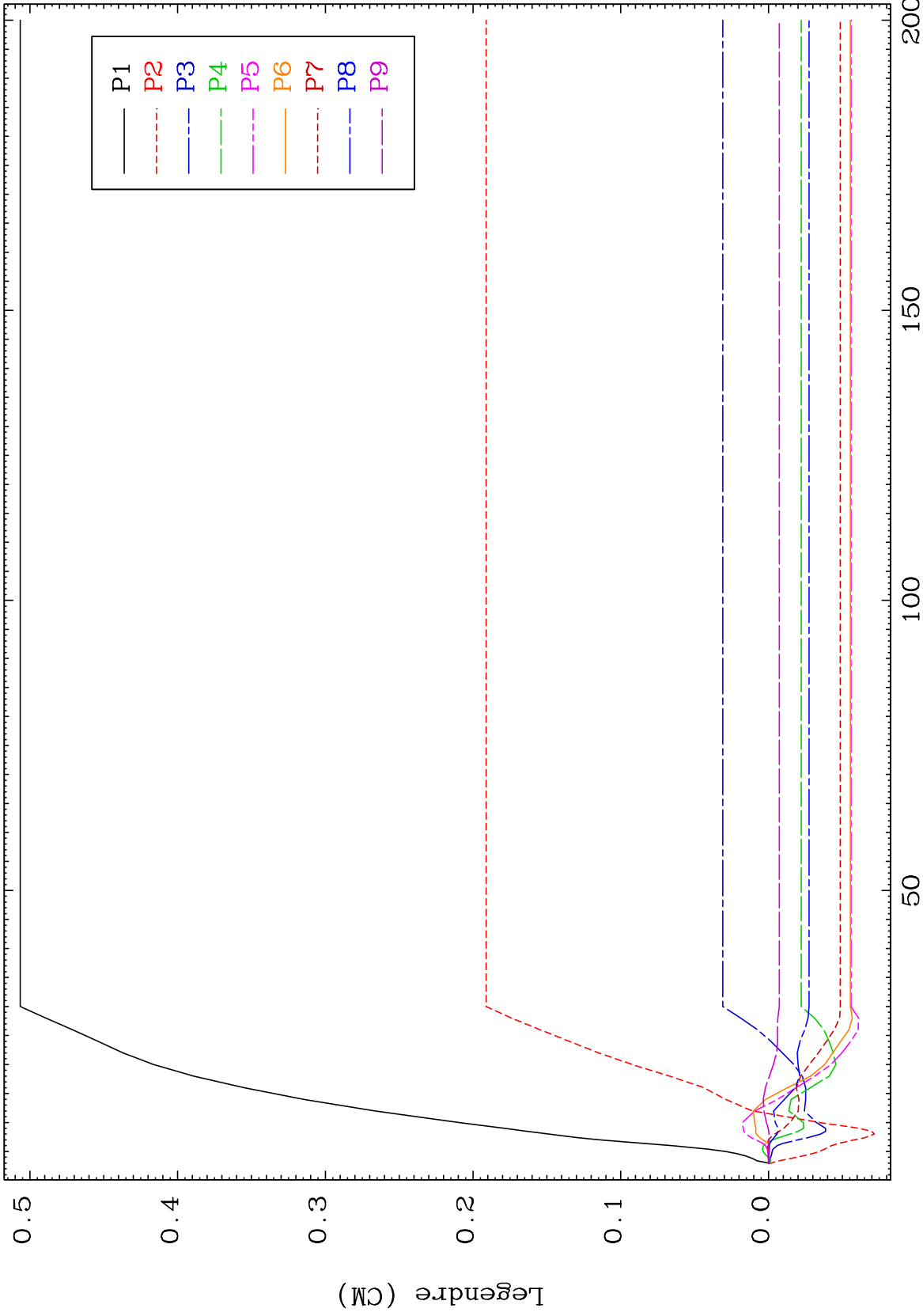
128

82-Pb-202

MAT 8219

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

82-Pb-202



129

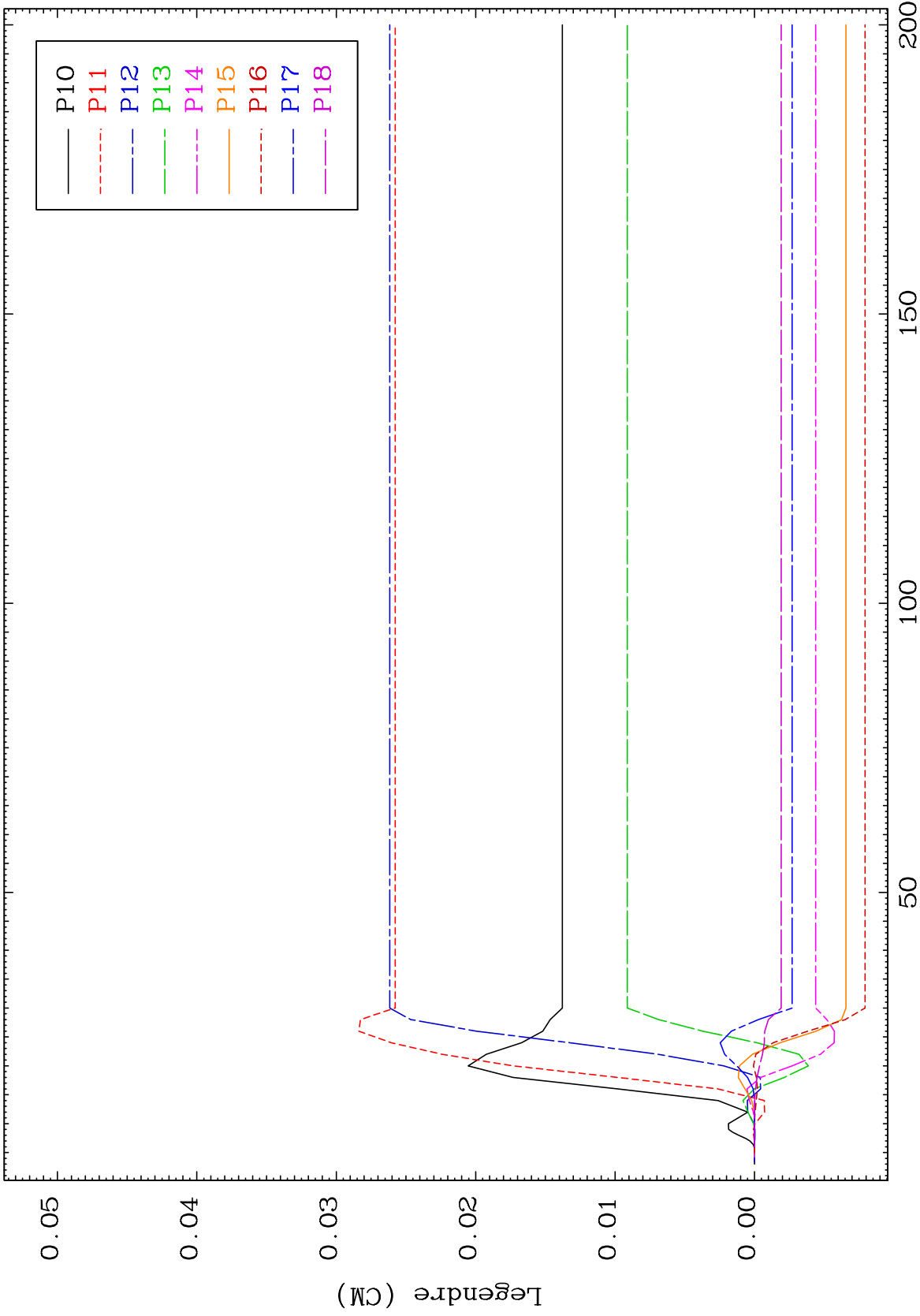
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



130

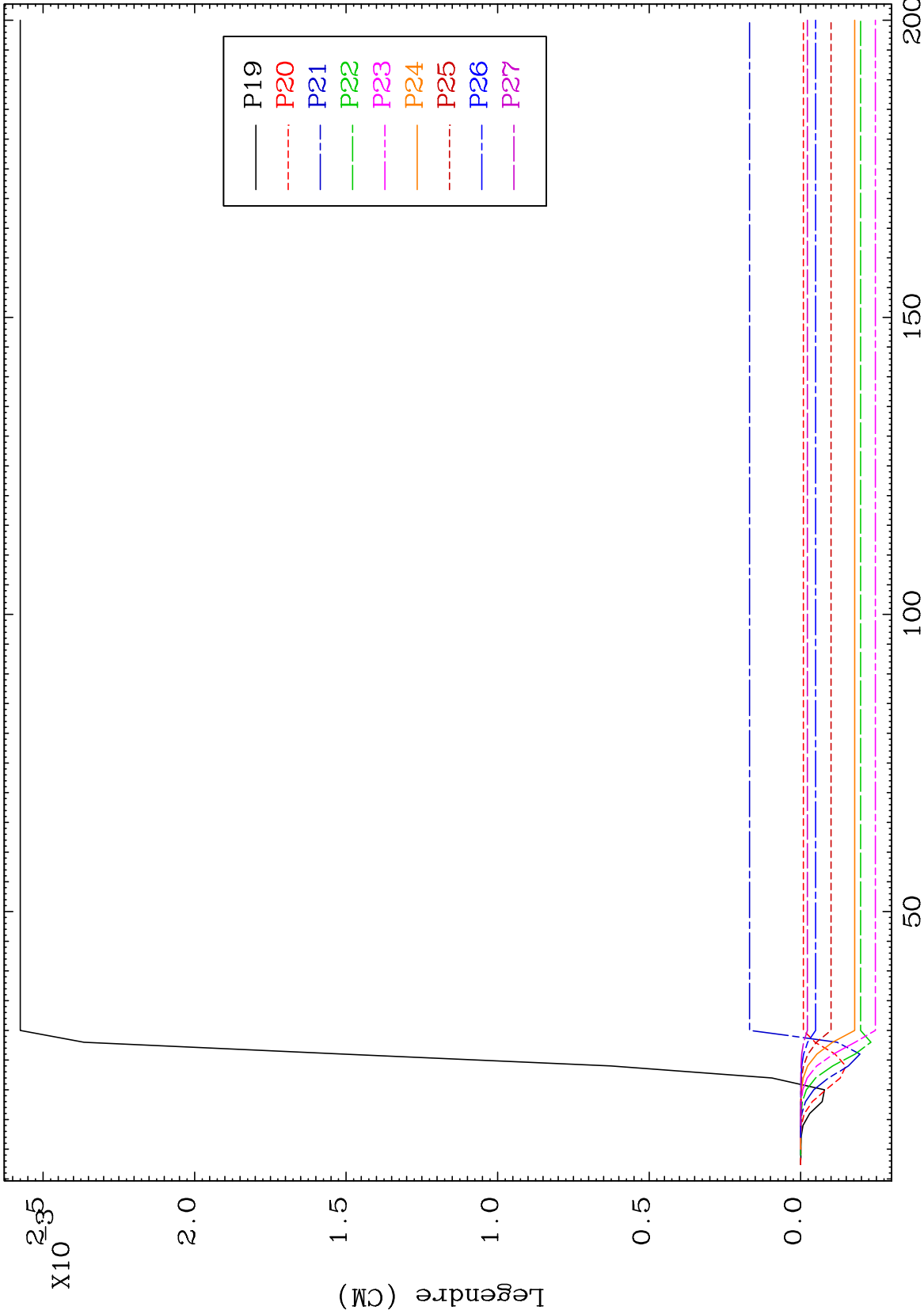
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



131

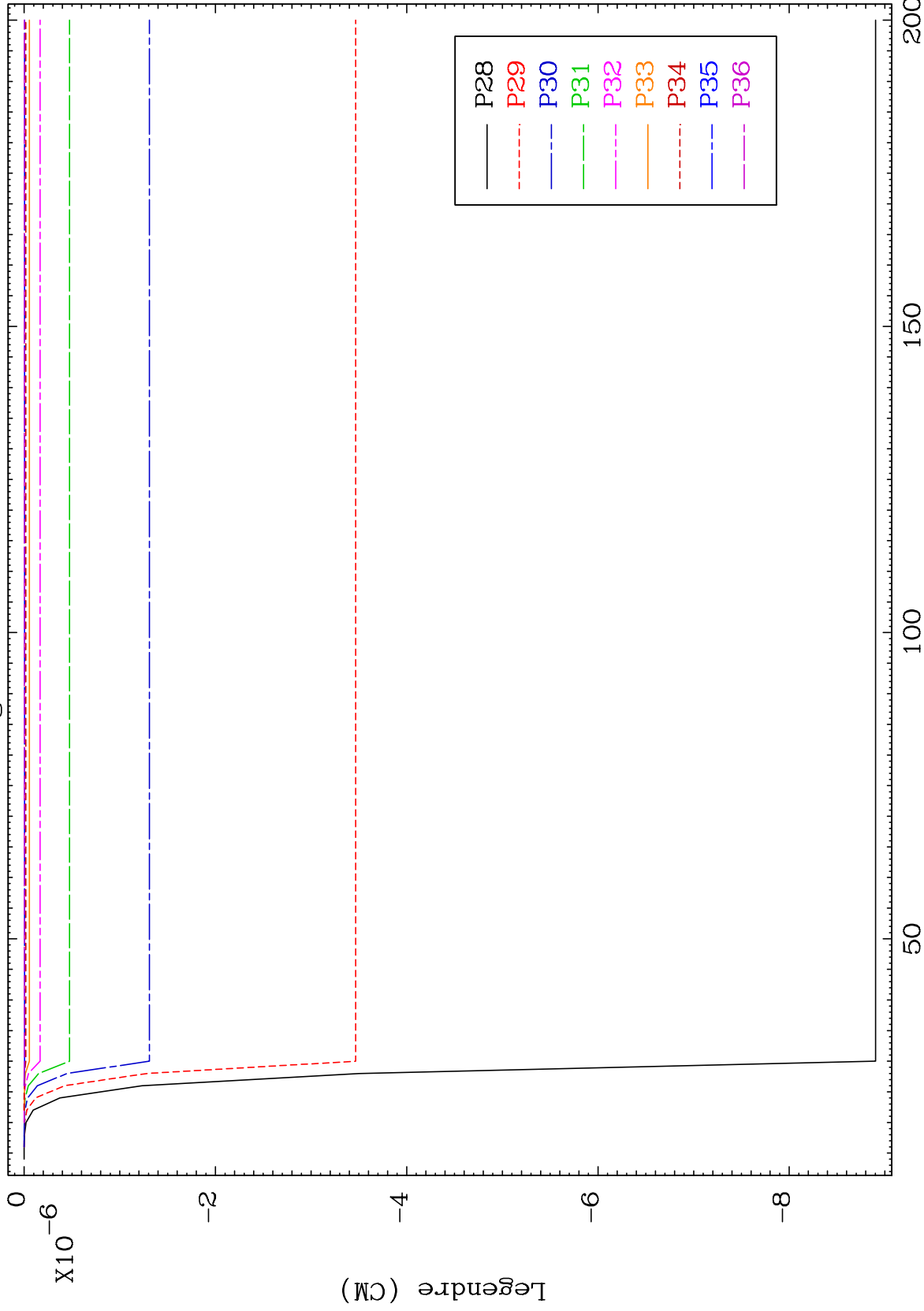
Incident Energy (MeV)

82-Pb-202

MAT 8219

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

82-Pb-202



82-Pb-202

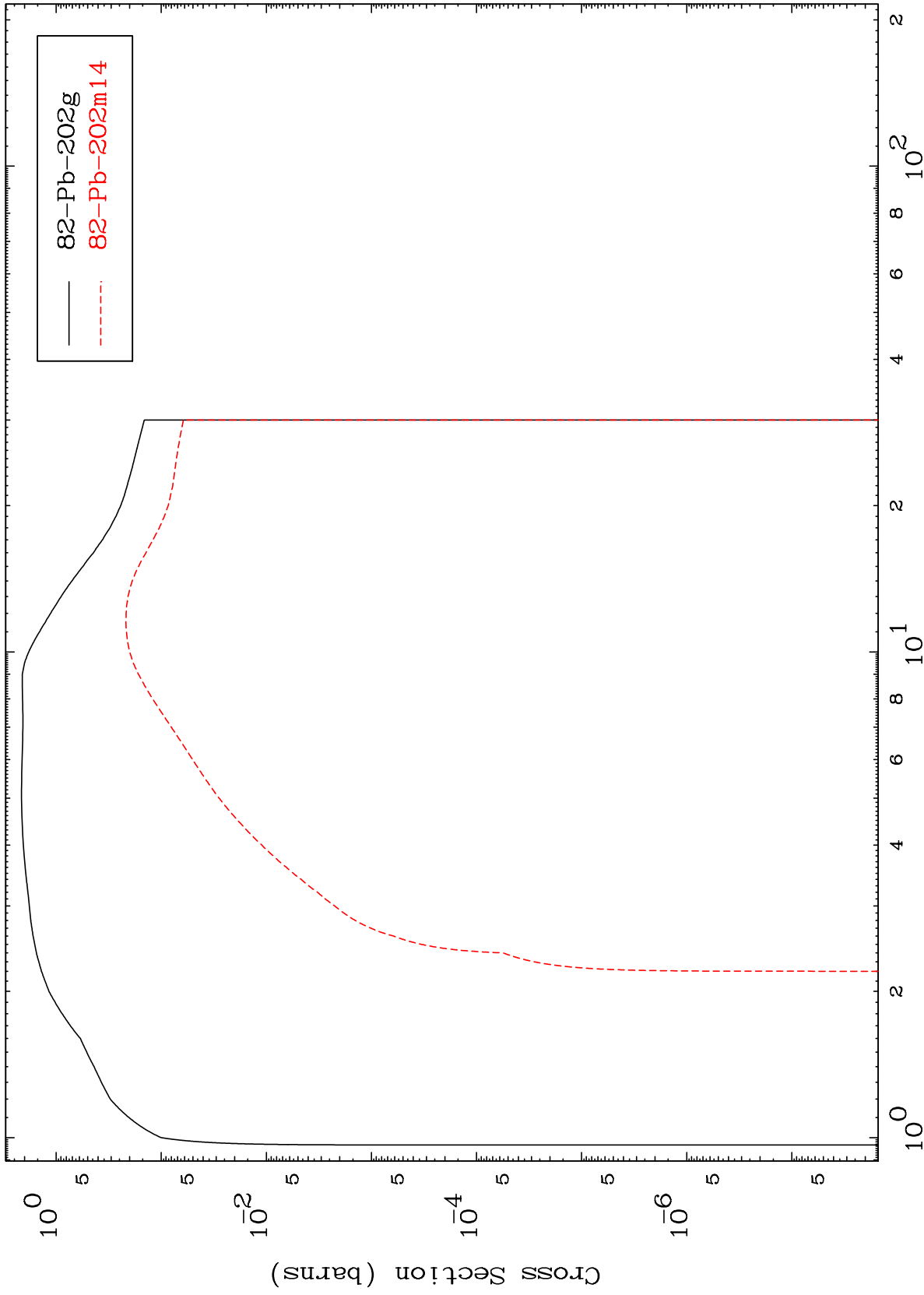
Incident Energy (MeV)

132

MAT 8219

82-Pb-202

Inelastic Radionuclide Production Cross Section



133

Incident Energy (MeV)

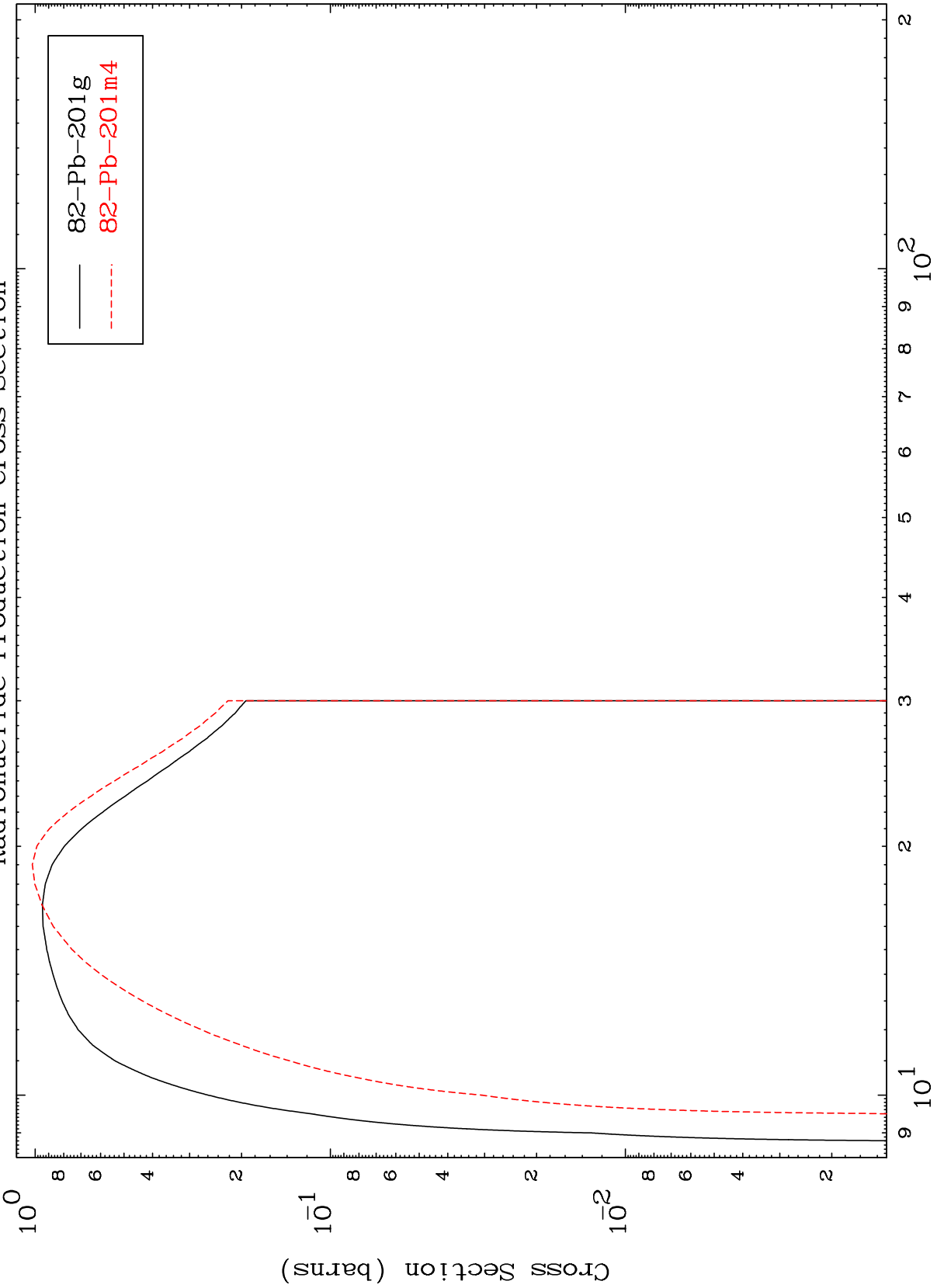
82-Pb-202

MAT 8219

(n,2n)

82-Pb-202

Radionuclide Production Cross Section



134

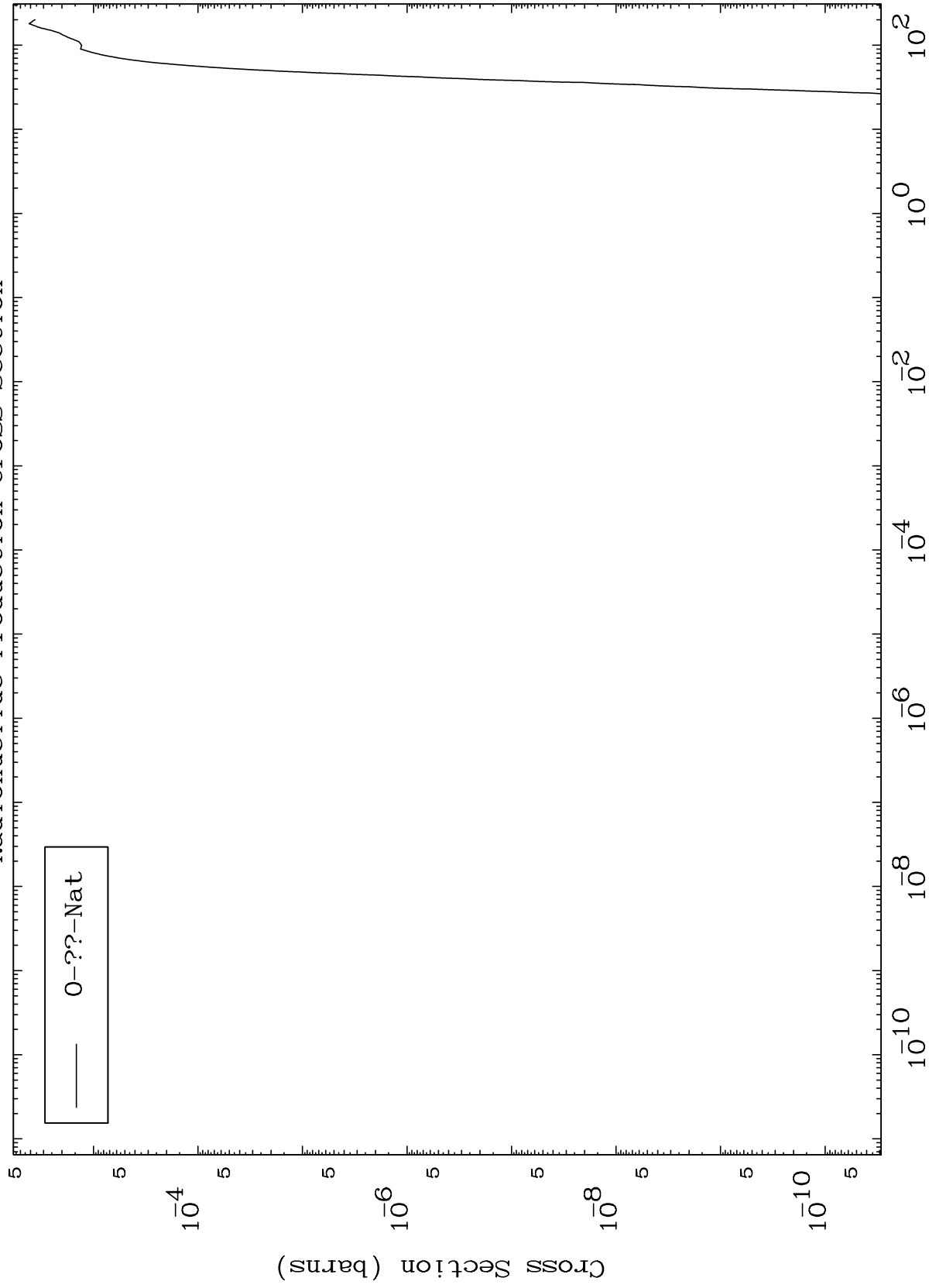
Incident Energy (MeV)

82-Pb-202

MAT 8219

Fission
Radionuclide Production Cross Section

82-Pb-202



135

Incident Energy (MeV)

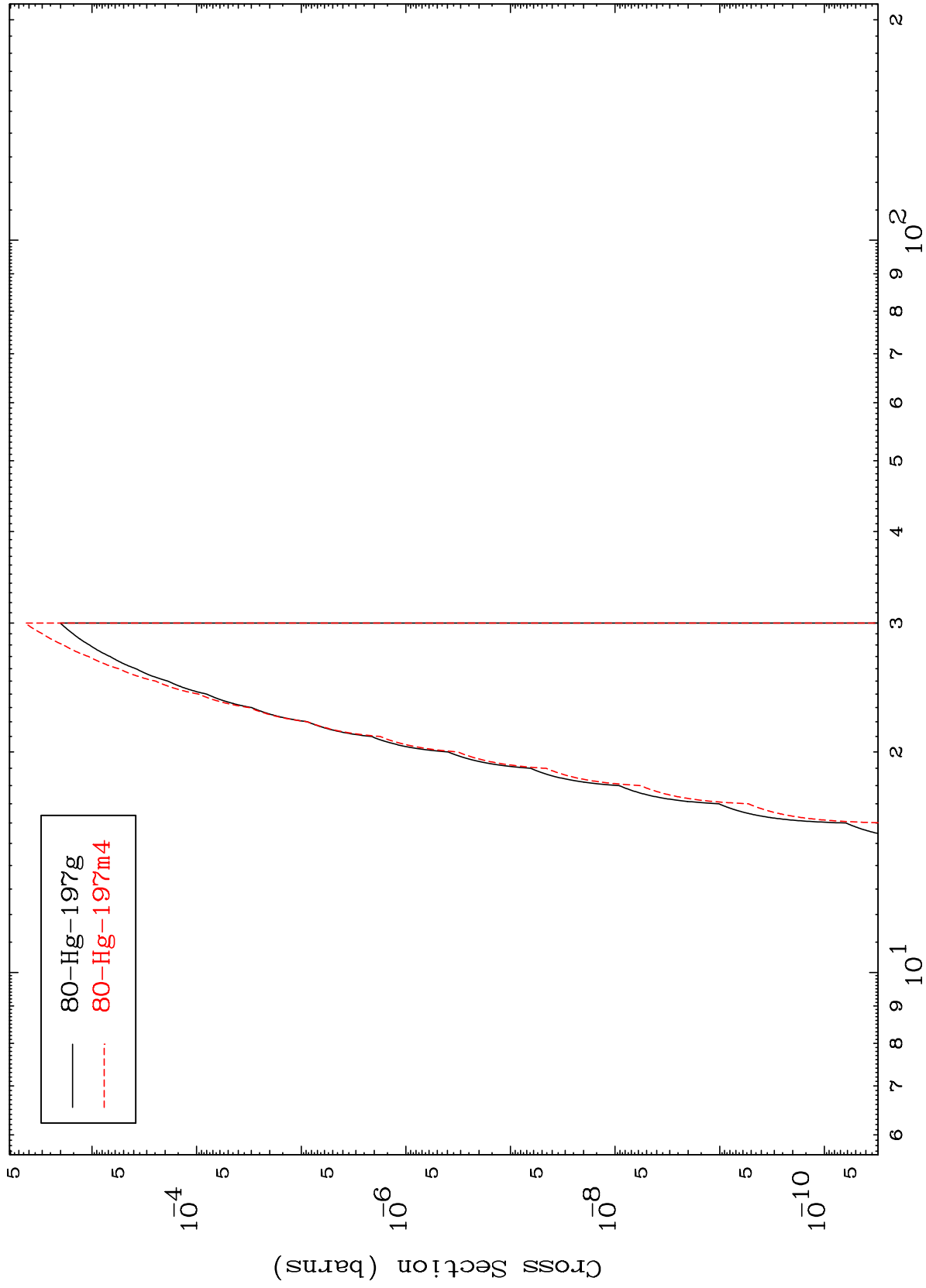
82-Pb-202

MAT 8219

$(n, 2n) \alpha$

82-Pb-202

Radionuclide Production Cross Section



136

Incident Energy (MeV)

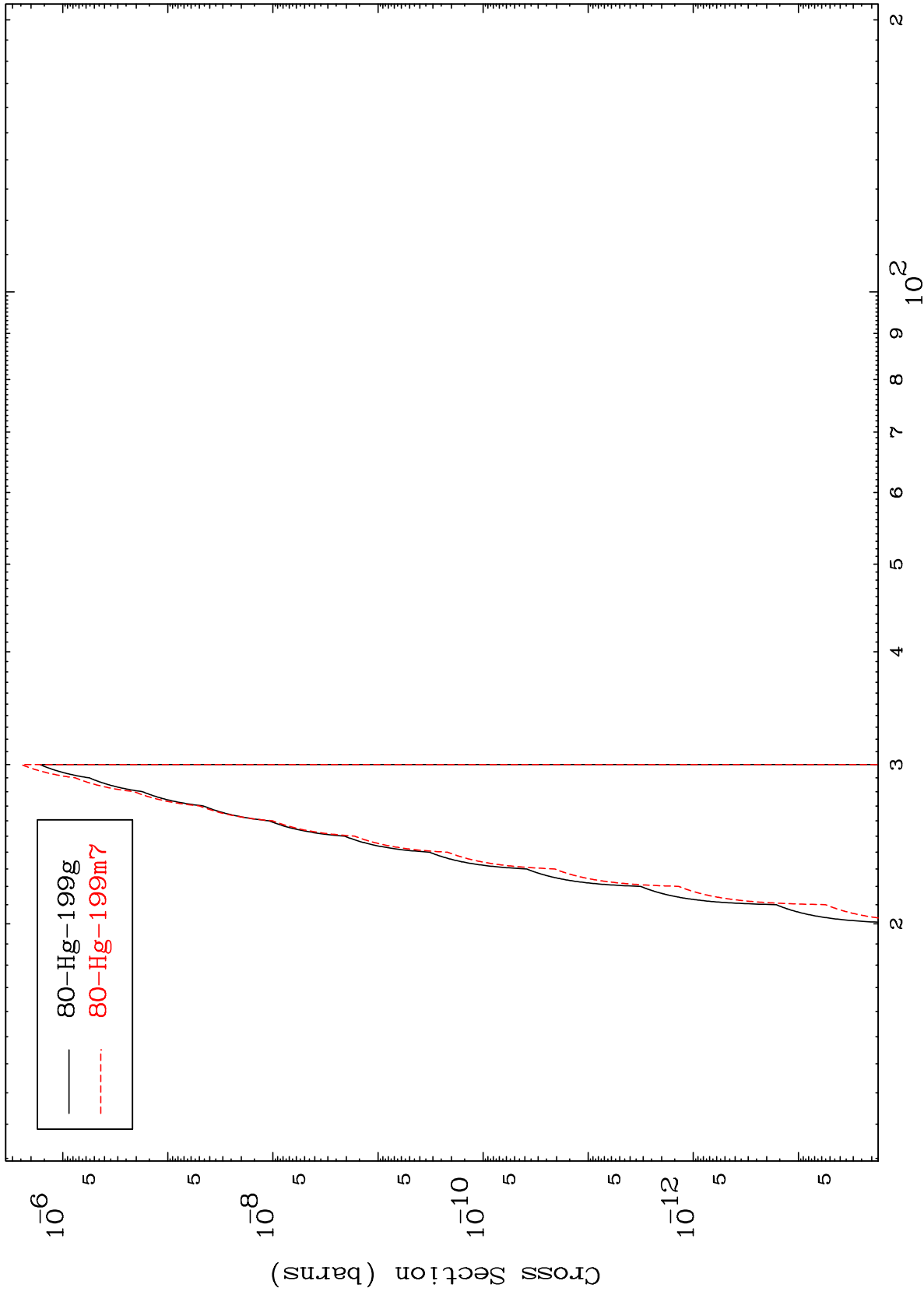
82-Pb-202

MAT 8219

(n, n') He-3

82-Pb-202

Radionuclide Production Cross Section



137

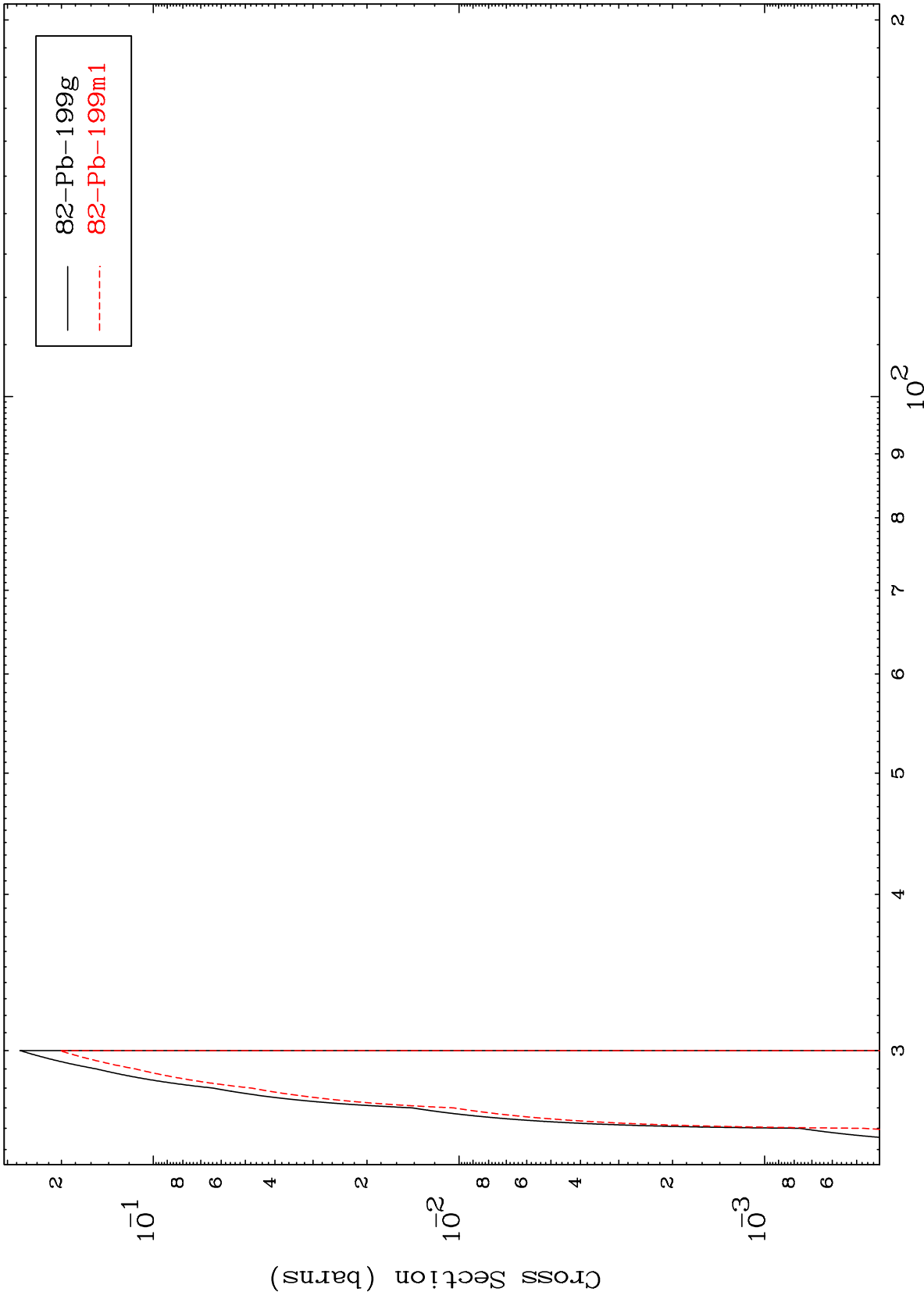
Incident Energy (MeV)

82-Pb-202

MAT 8219

82-Pb-202

(n,4n)
Radionuclide Production Cross Section



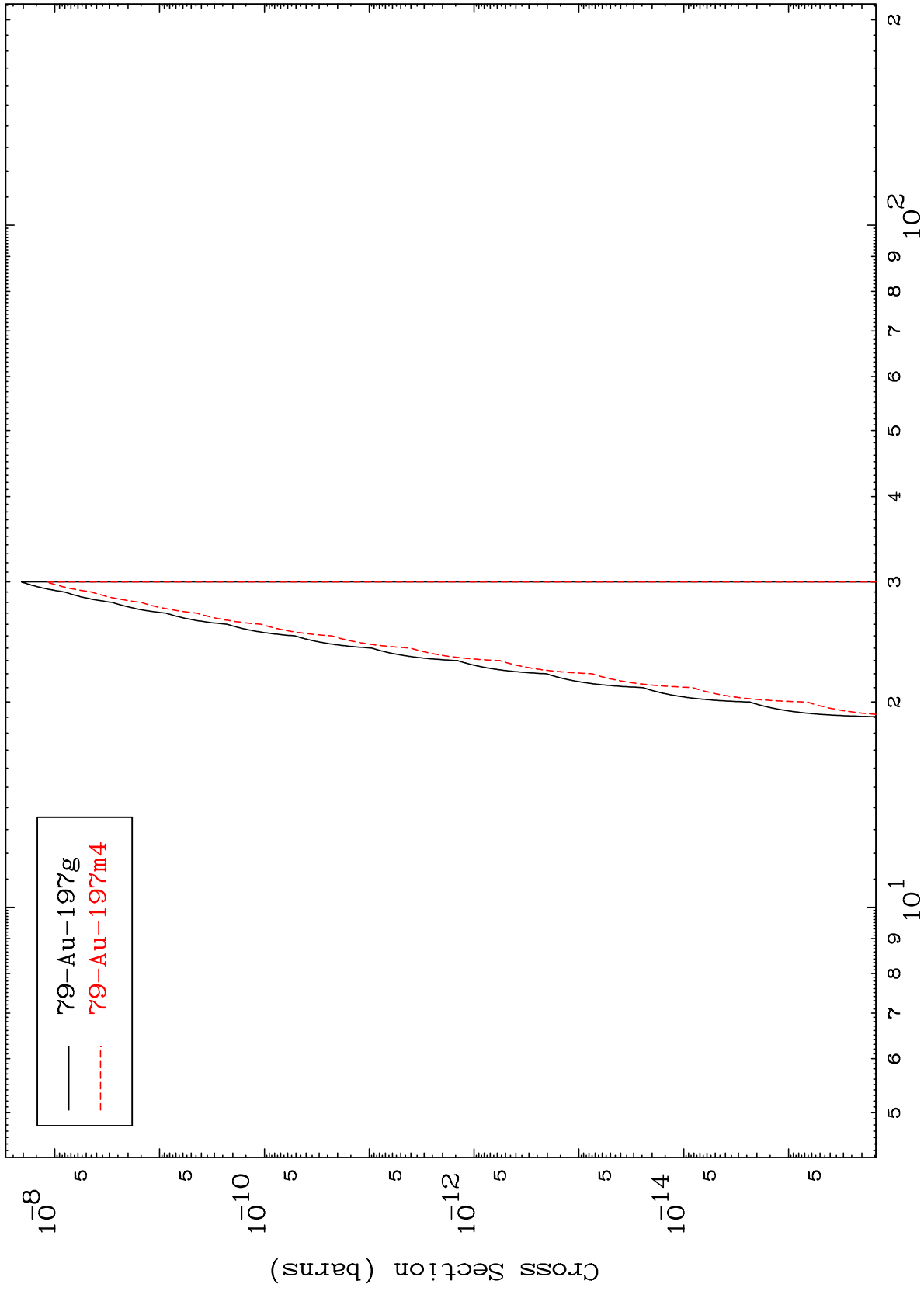
138

82-Pb-202

MAT 8219

82-Pb-202

(n,n') p α
Radionuclide Production Cross Section



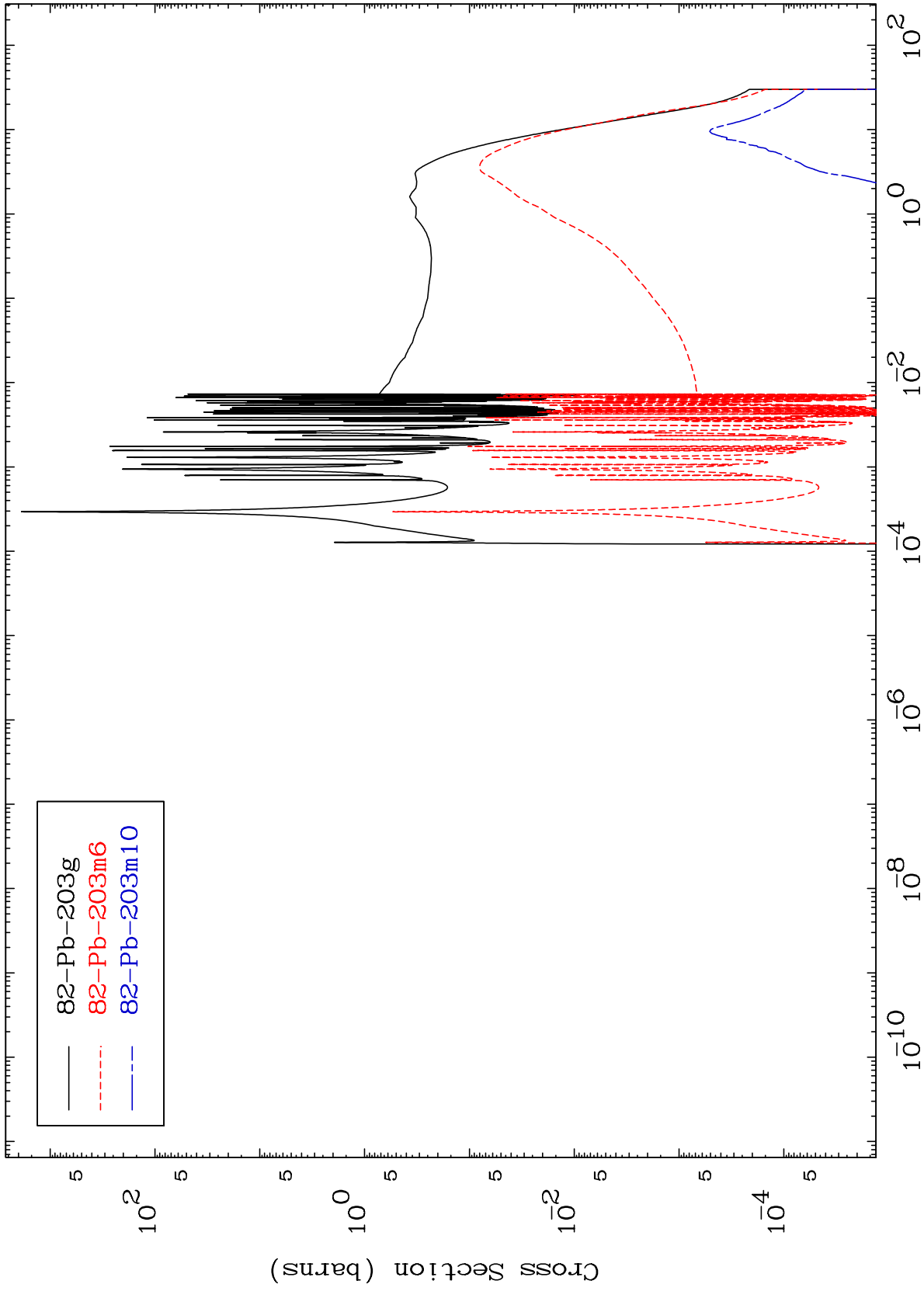
139

82-Pb-202

MAT 8219

82-Pb-202

(n,γ) Radionuclide Production Cross Section



140

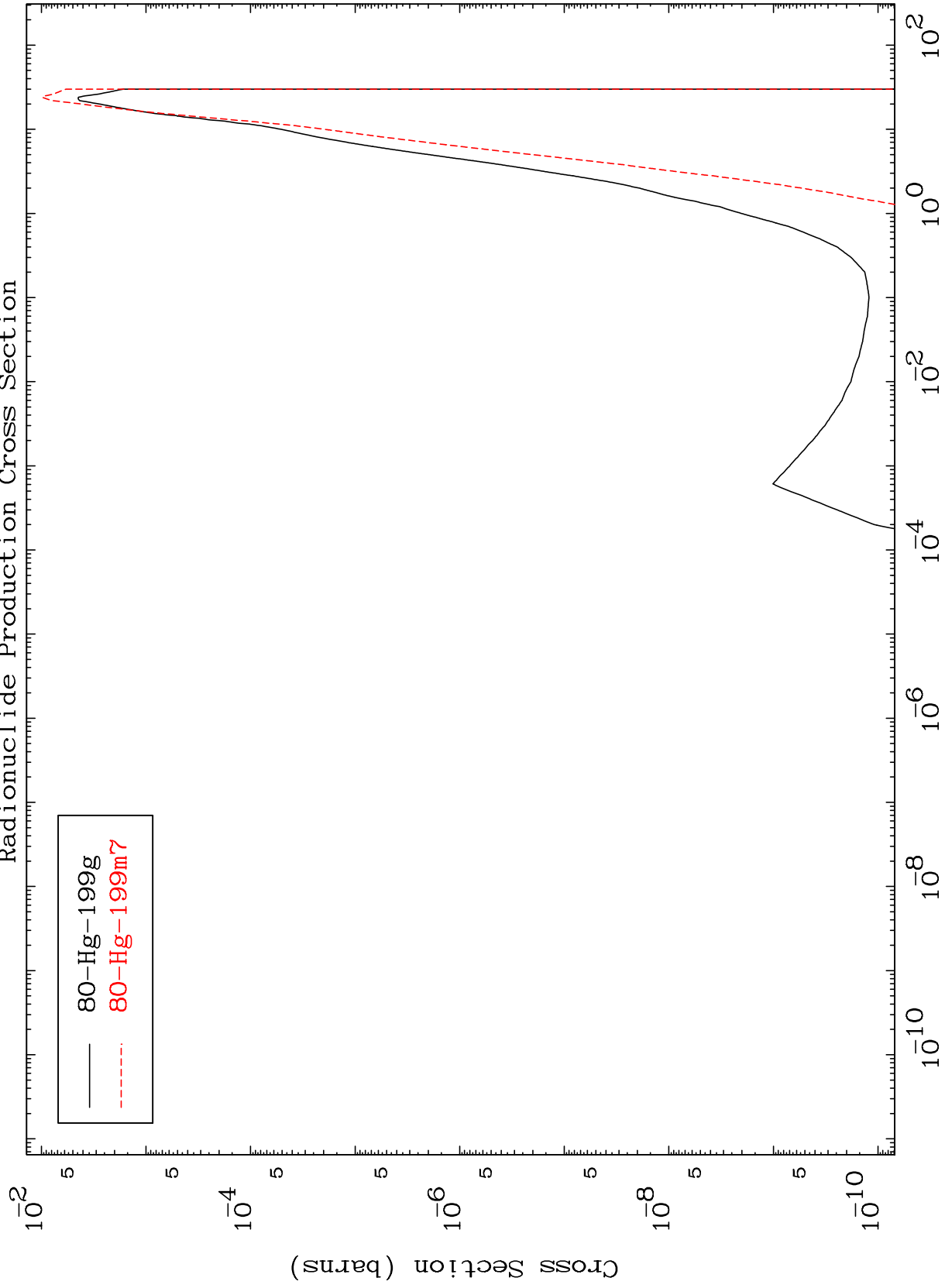
82-Pb-202

MAT 8219

(n, α)

82-Pb-202

Radionuclide Production Cross Section



141

Incident Energy (MeV)

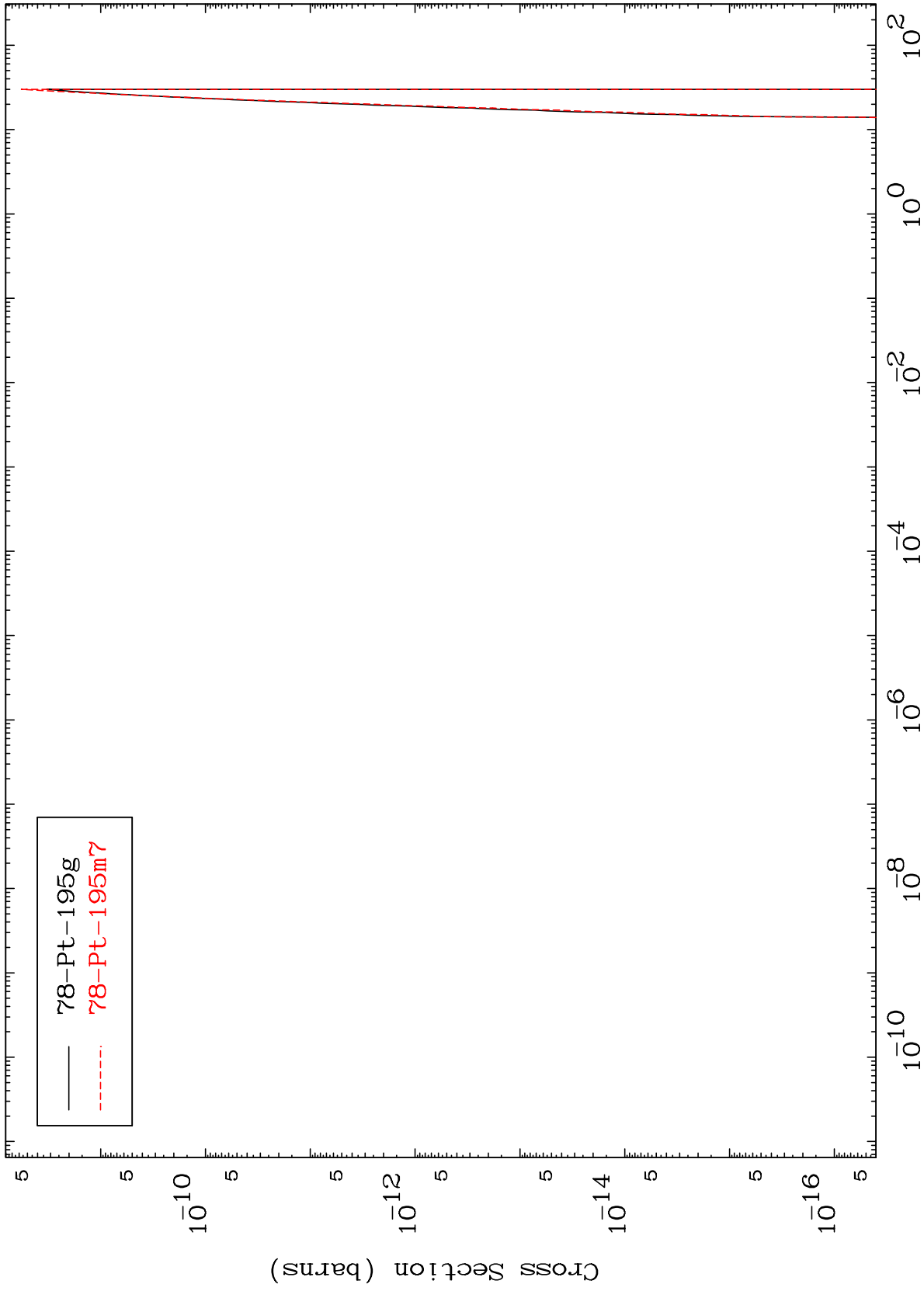
82-Pb-202

MAT 8219

(n,2α)

82-Pb-202

Radionuclide Production Cross Section



142

Incident Energy (MeV)

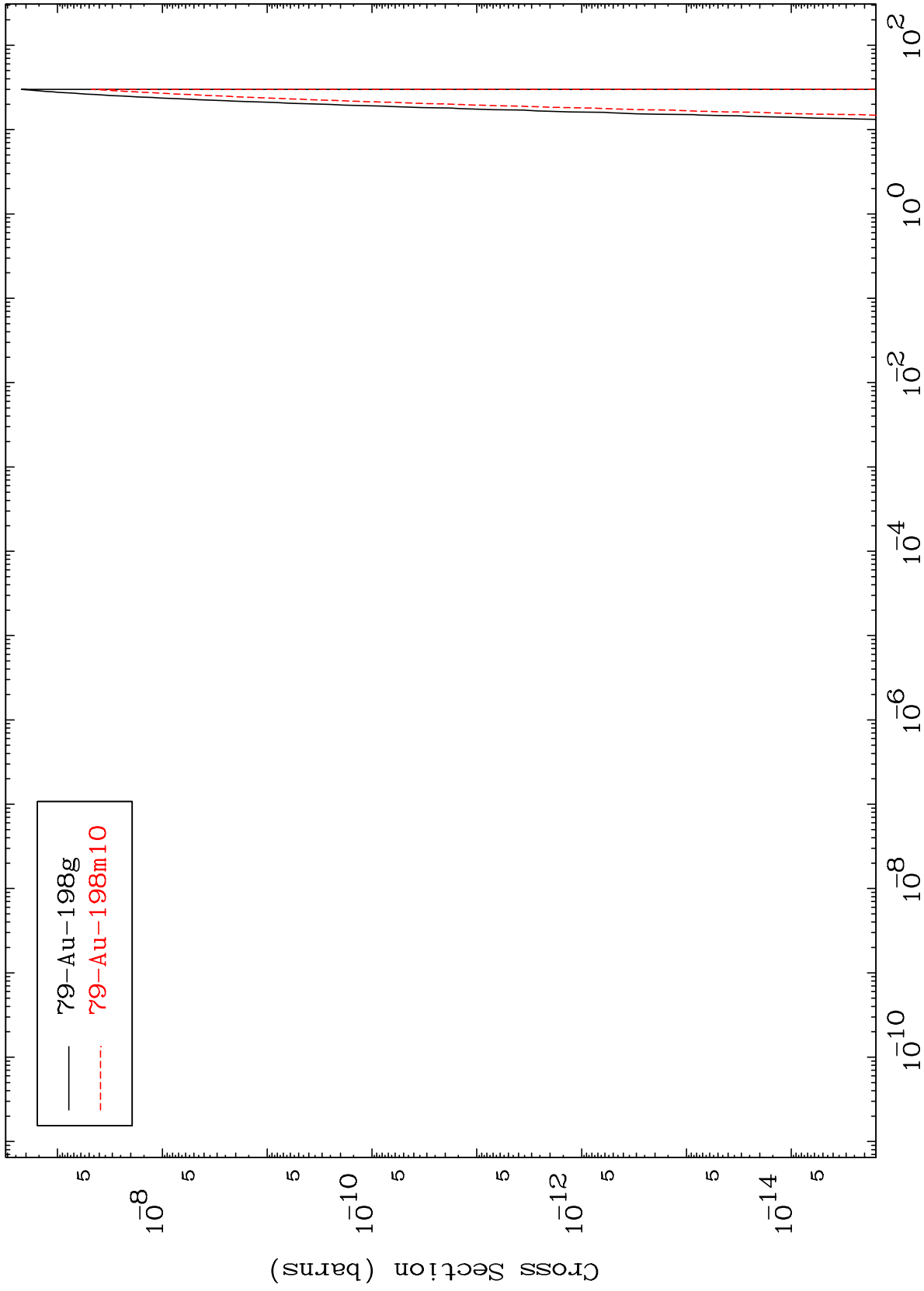
82-Pb-202

MAT 8219

(n,p) α

82-Pb-202

Radionuclide Production Cross Section



143

Incident Energy (MeV)

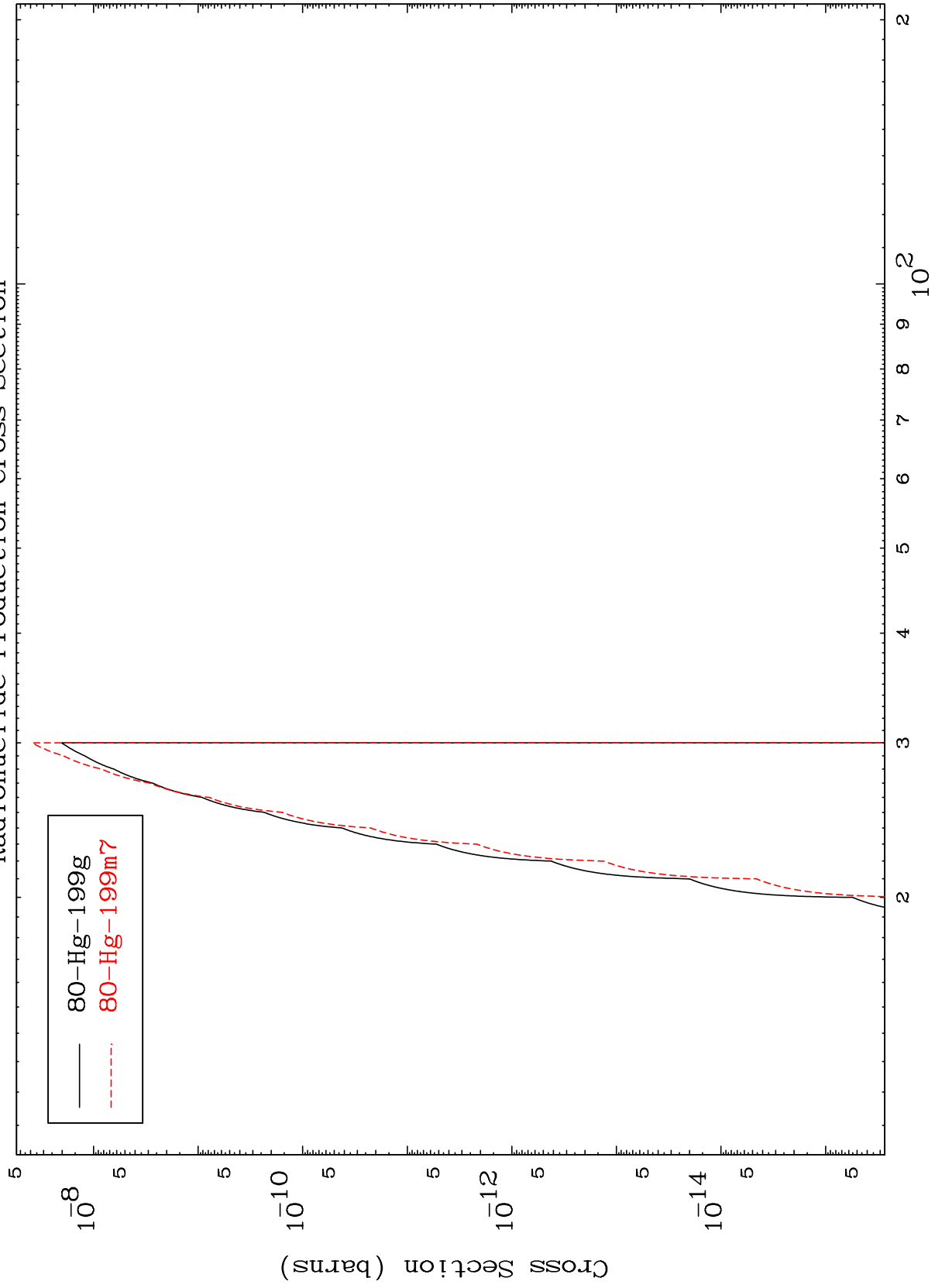
82-Pb-202

MAT 8219

(n,p) t

82-Pb-202

Radionuclide Production Cross Section



144

Incident Energy (MeV)

82-Pb-202