

Program EVALPLOT
(Version 2018-1)

by

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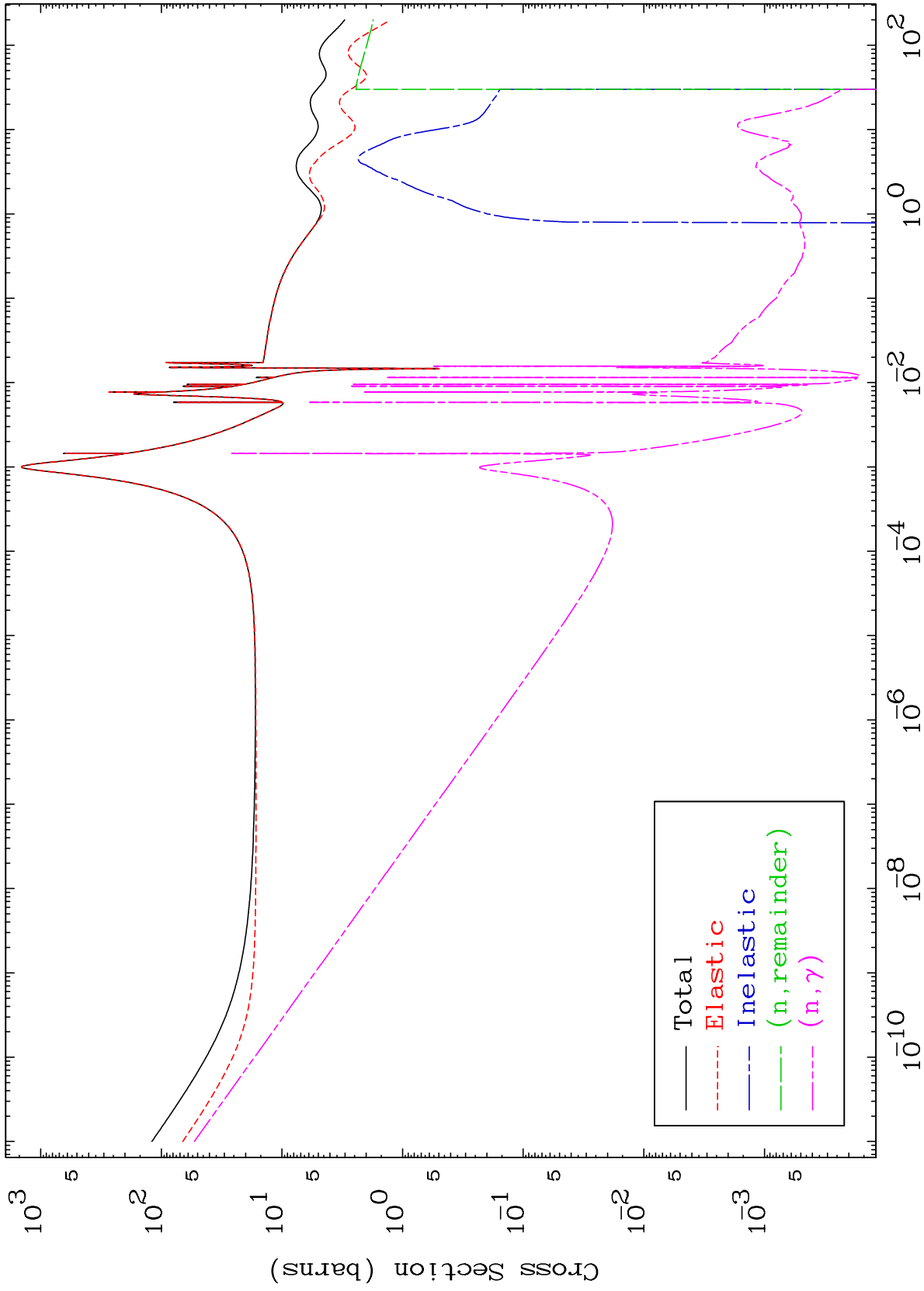
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8240

Major
293 Kelvin Cross Sections

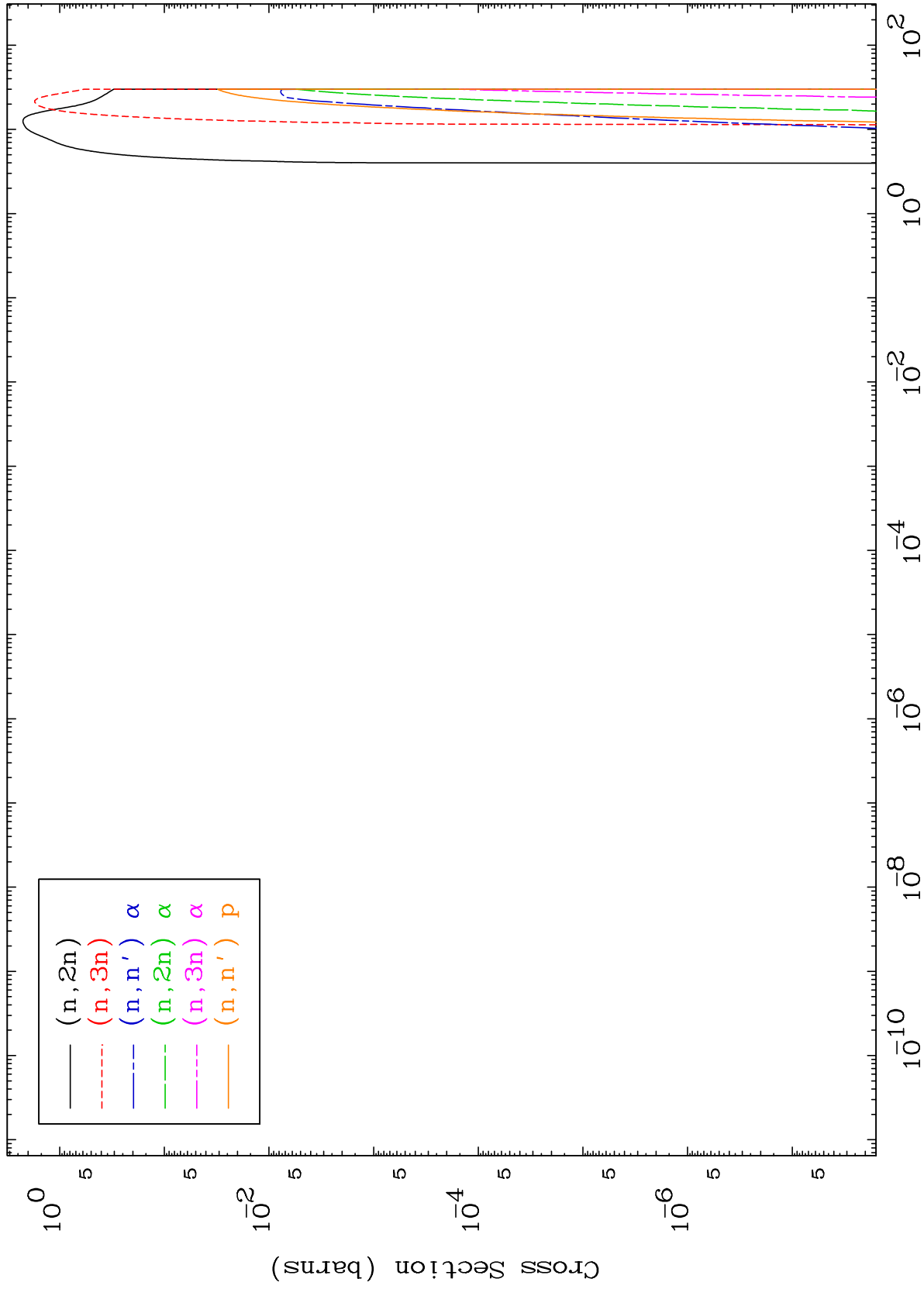
82-Pb-209



MAT 8240

Neutron Production
293 Kelvin Cross Sections

82-Pb-209



2

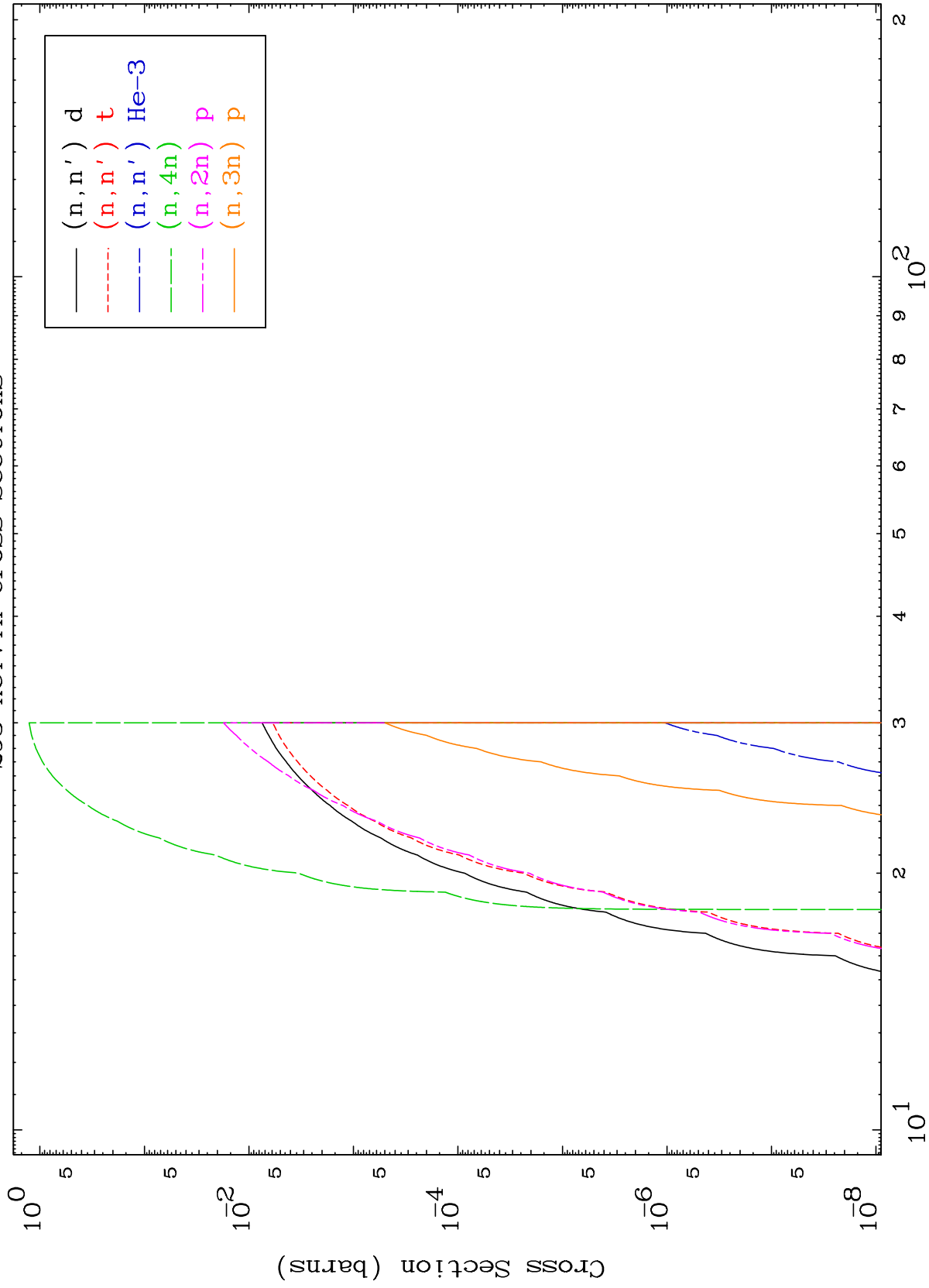
Incident Energy (MeV)

82-Pb-209

MAT 8240

Neutron Production
293 Kelvin Cross Sections

82-Pb-209

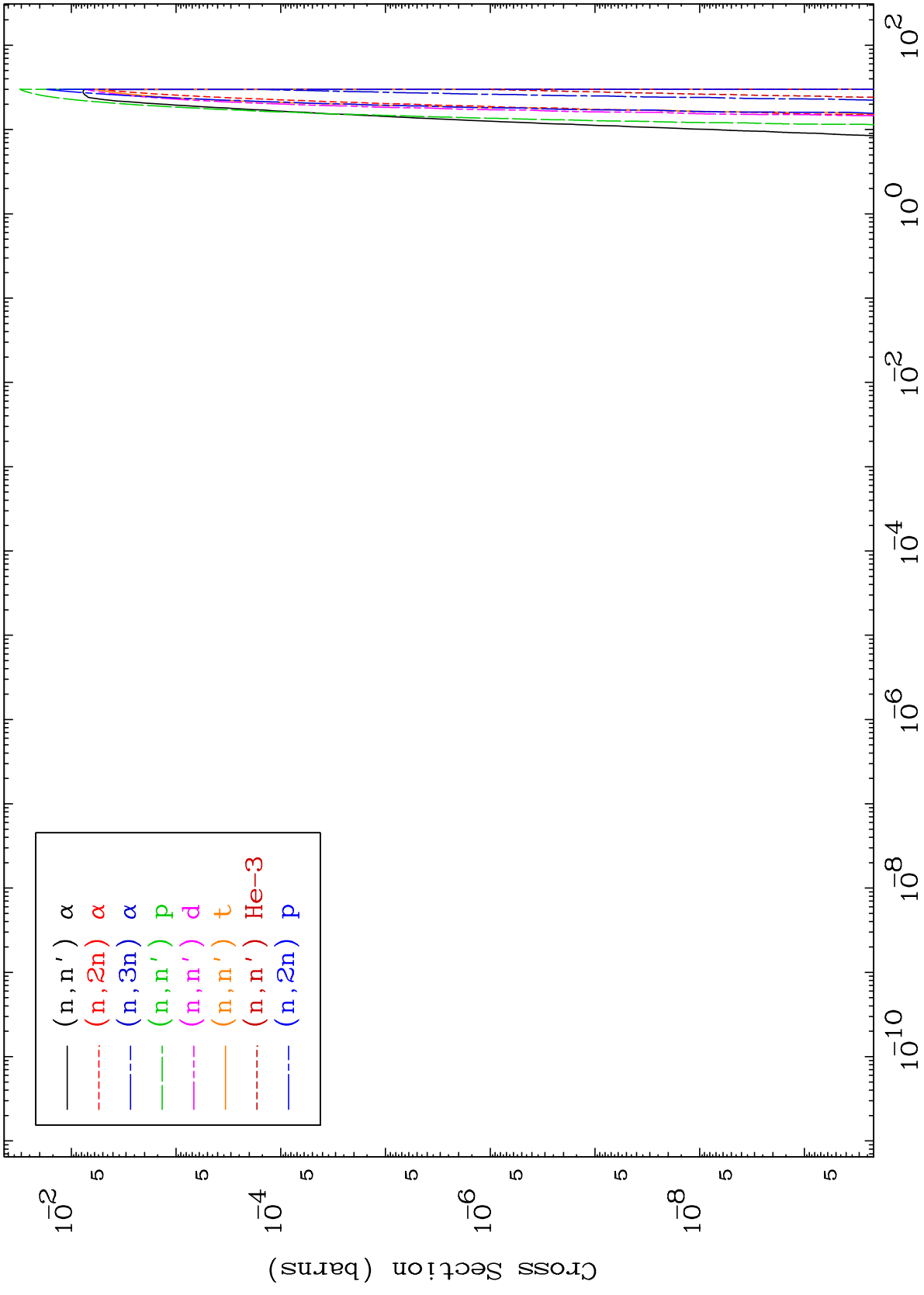


82-Pb-209

MAT 8240

Charged Particle
293 Kelvin Cross Sections

82-Pb-209

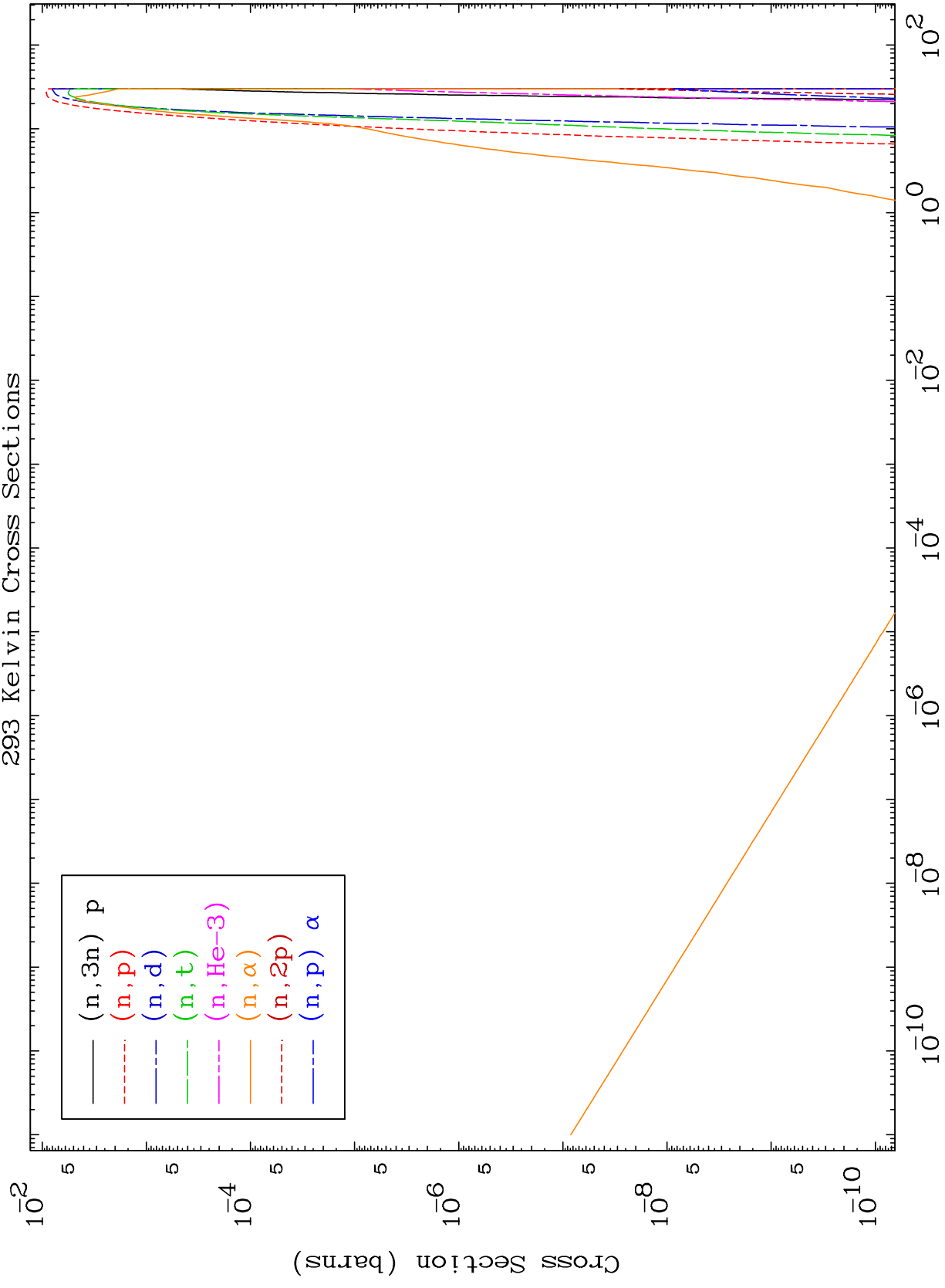


82-Pb-209

MAT 8240

Charged Particle
293 Kelvin Cross Sections

82-Pb-209



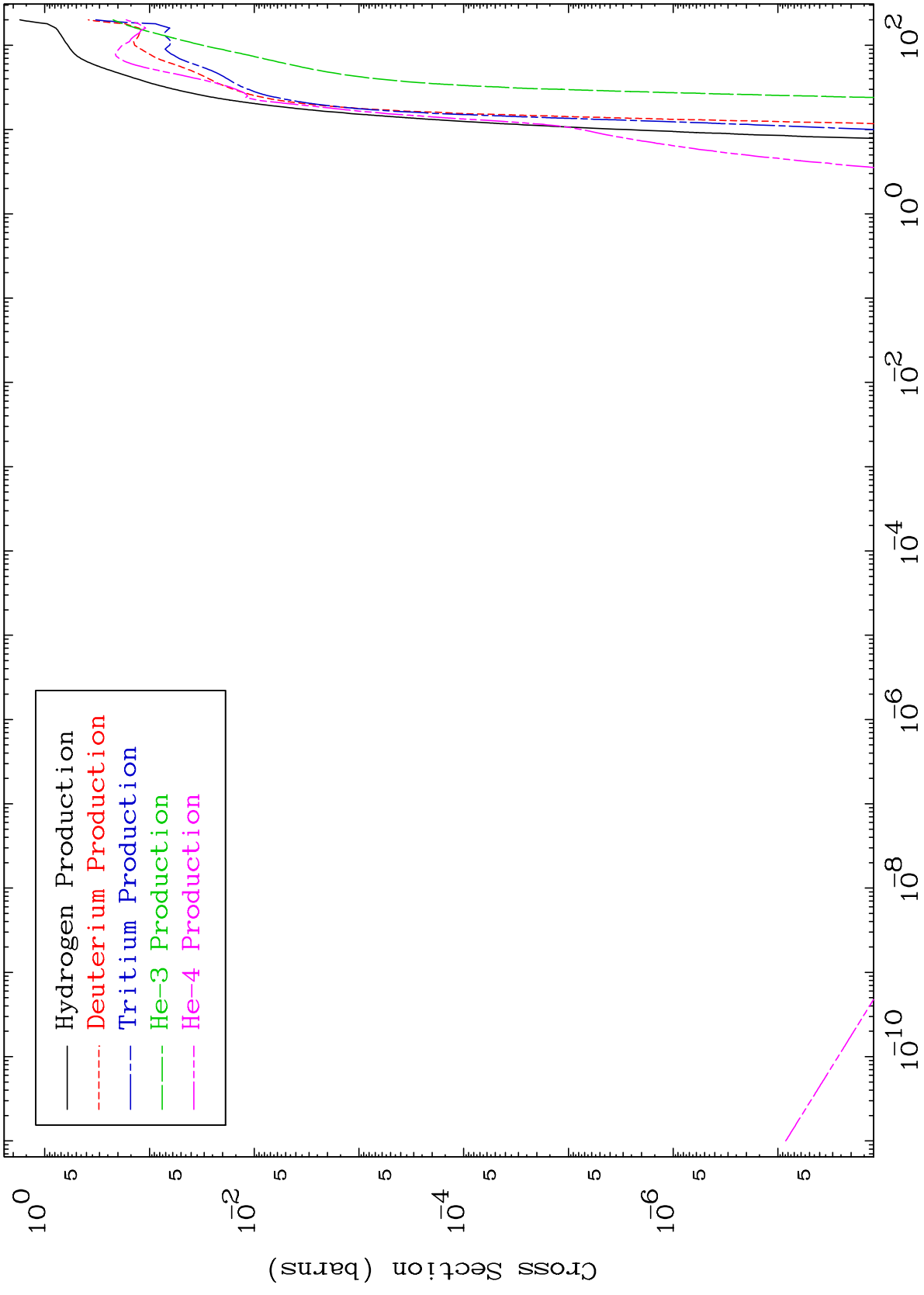
5

82-Pb-209

MAT 8240

Particle Production
293 Kelvin Cross Sections

82-Pb-209



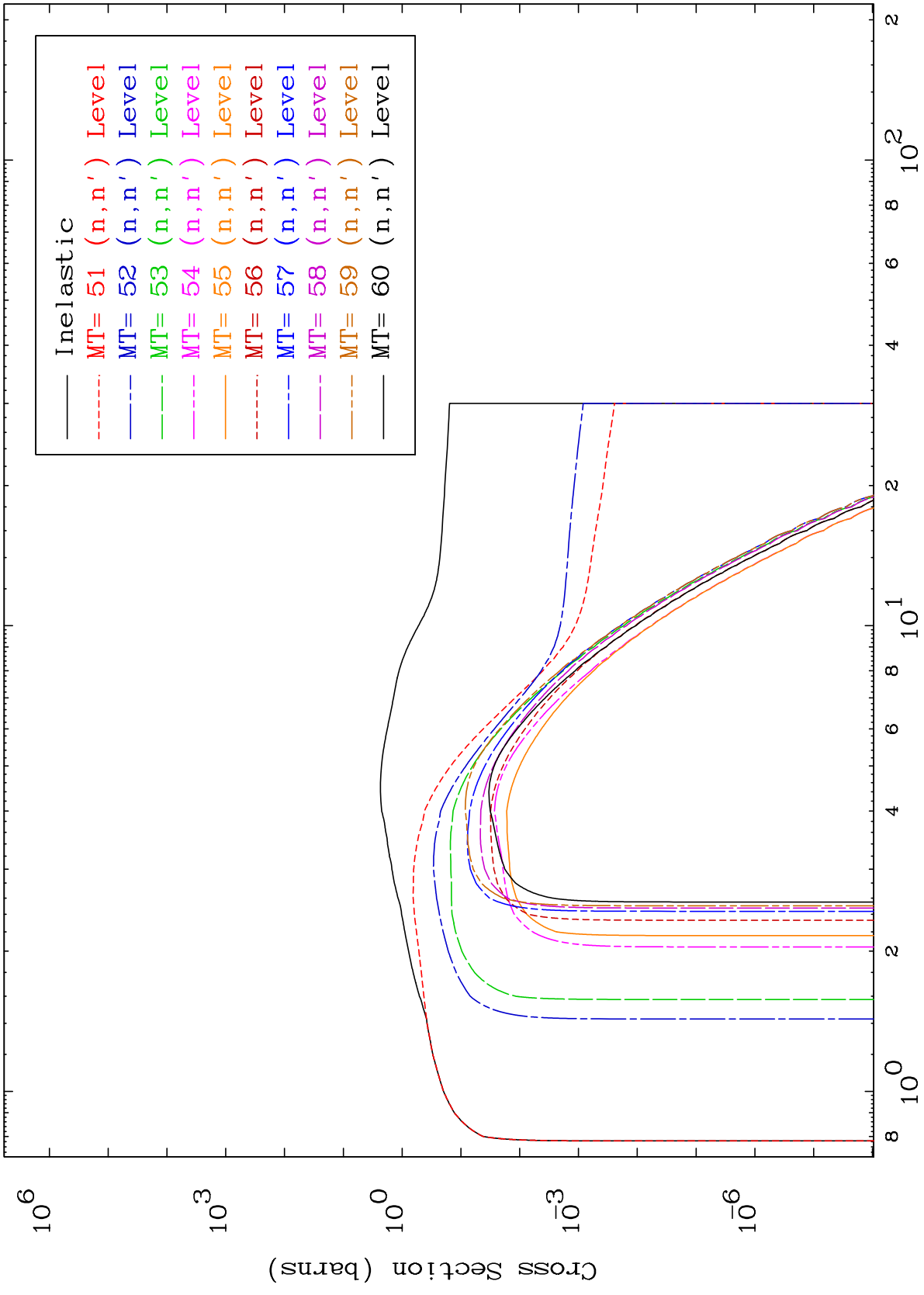
82-Pb-209

MAT 8240

(n,n') Level

82-Pb-209

293 Kelvin Cross Sections



7

Incident Energy (MeV)

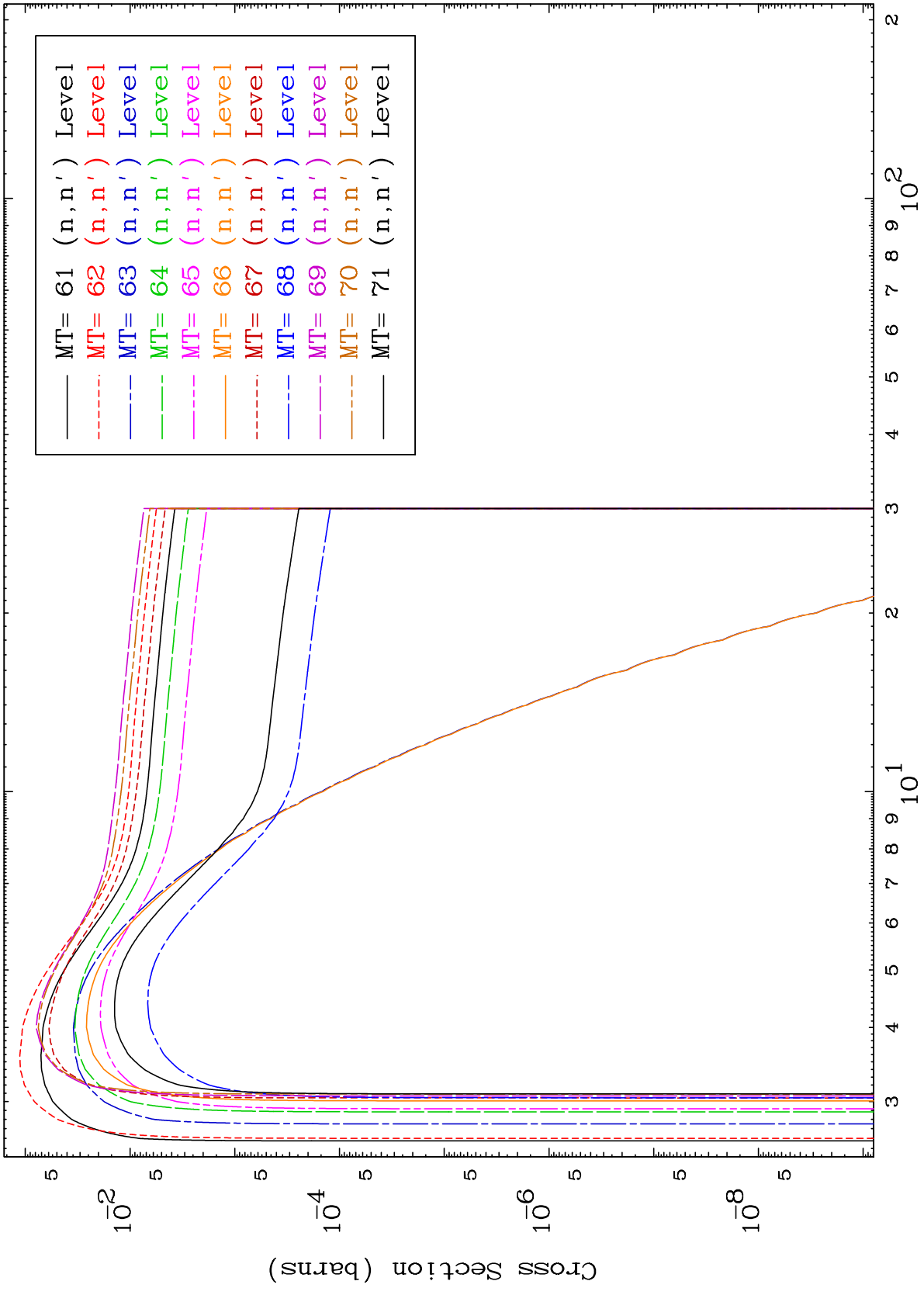
82-Pb-209

MAT 8240

(n,n') Level

82-Pb-209

293 Kelvin Cross Sections



8

Incident Energy (MeV)

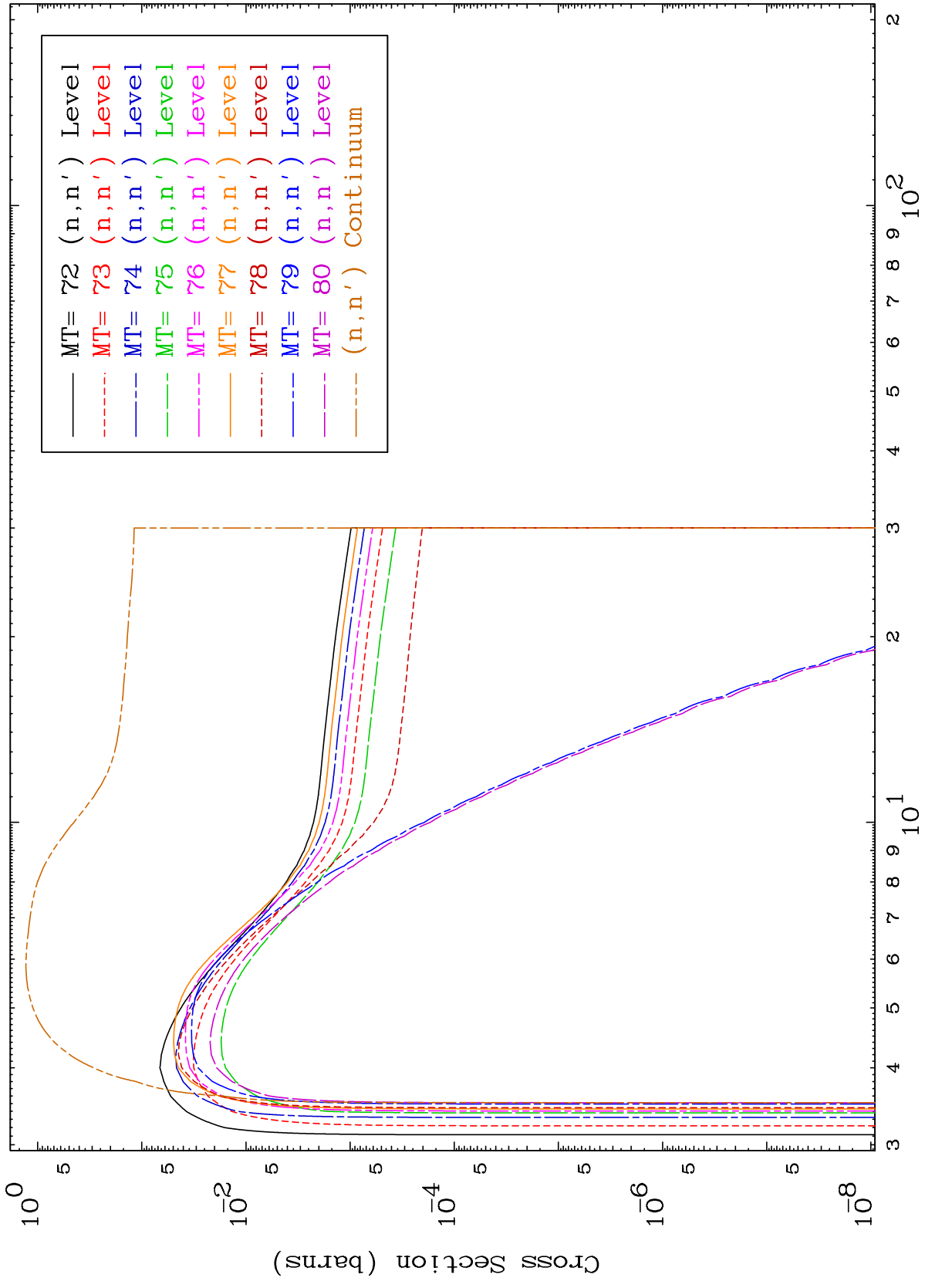
82-Pb-209

MAT 8240

(n,n') Level

82-Pb-209

293 Kelvin Cross Sections



9

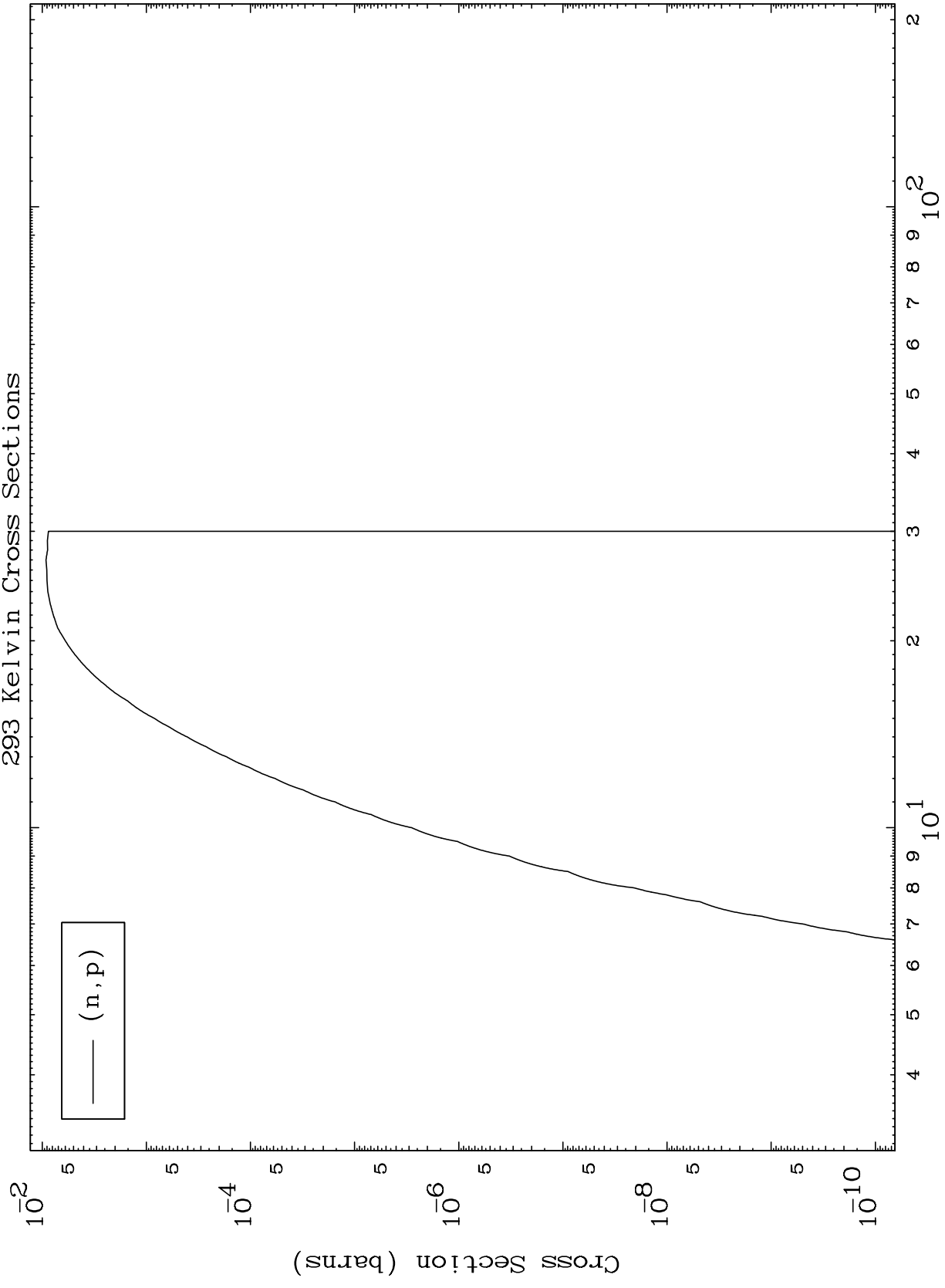
Incident Energy (MeV)

82-Pb-209

MAT 8240

(n,p) Levels
293 Kelvin Cross Sections

82-Pb-209



10

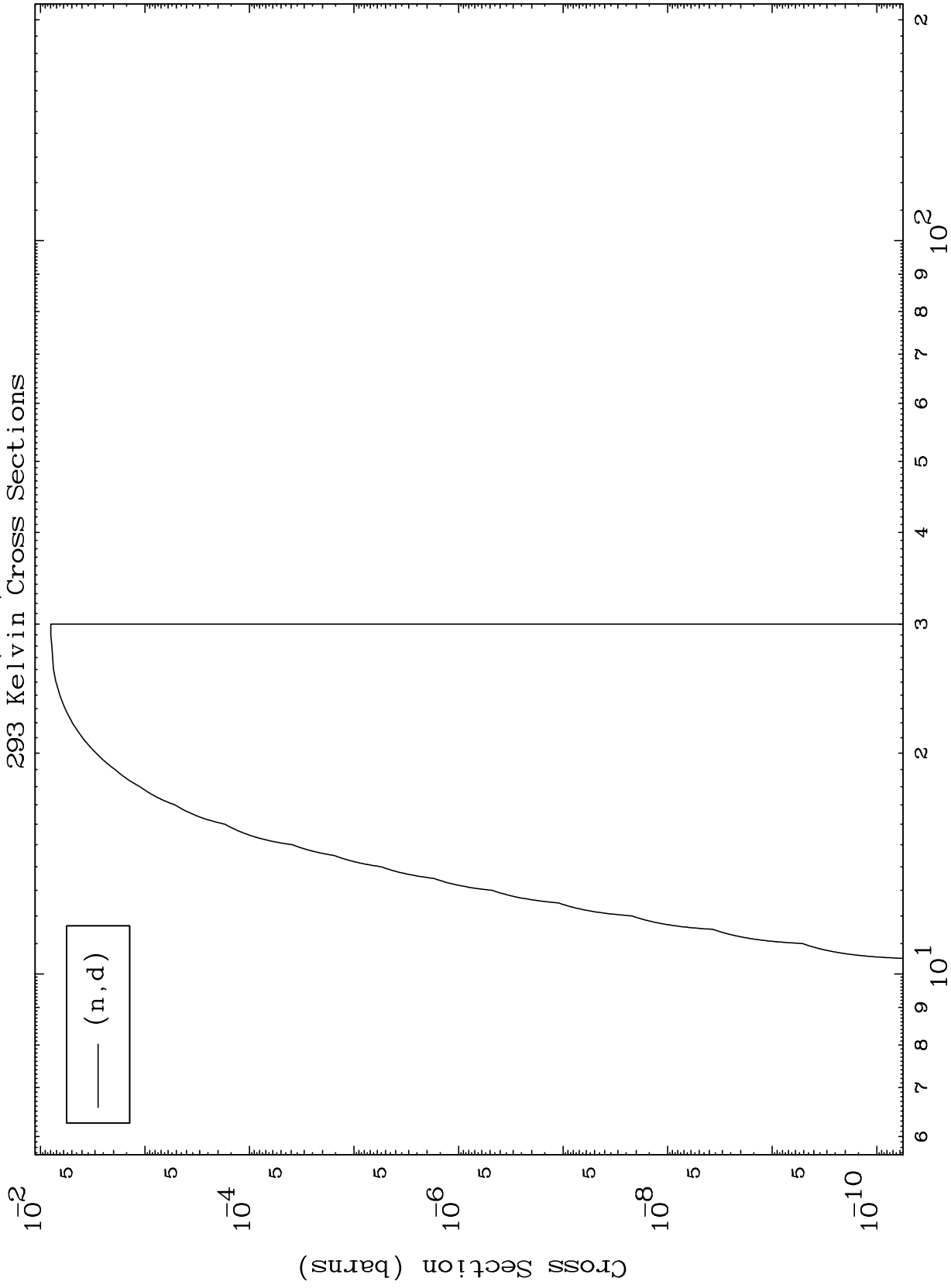
Incident Energy (MeV)

82-Pb-209

MAT 8240

82-Pb-209

(n,d) Levels
293 Kelvin Cross Sections



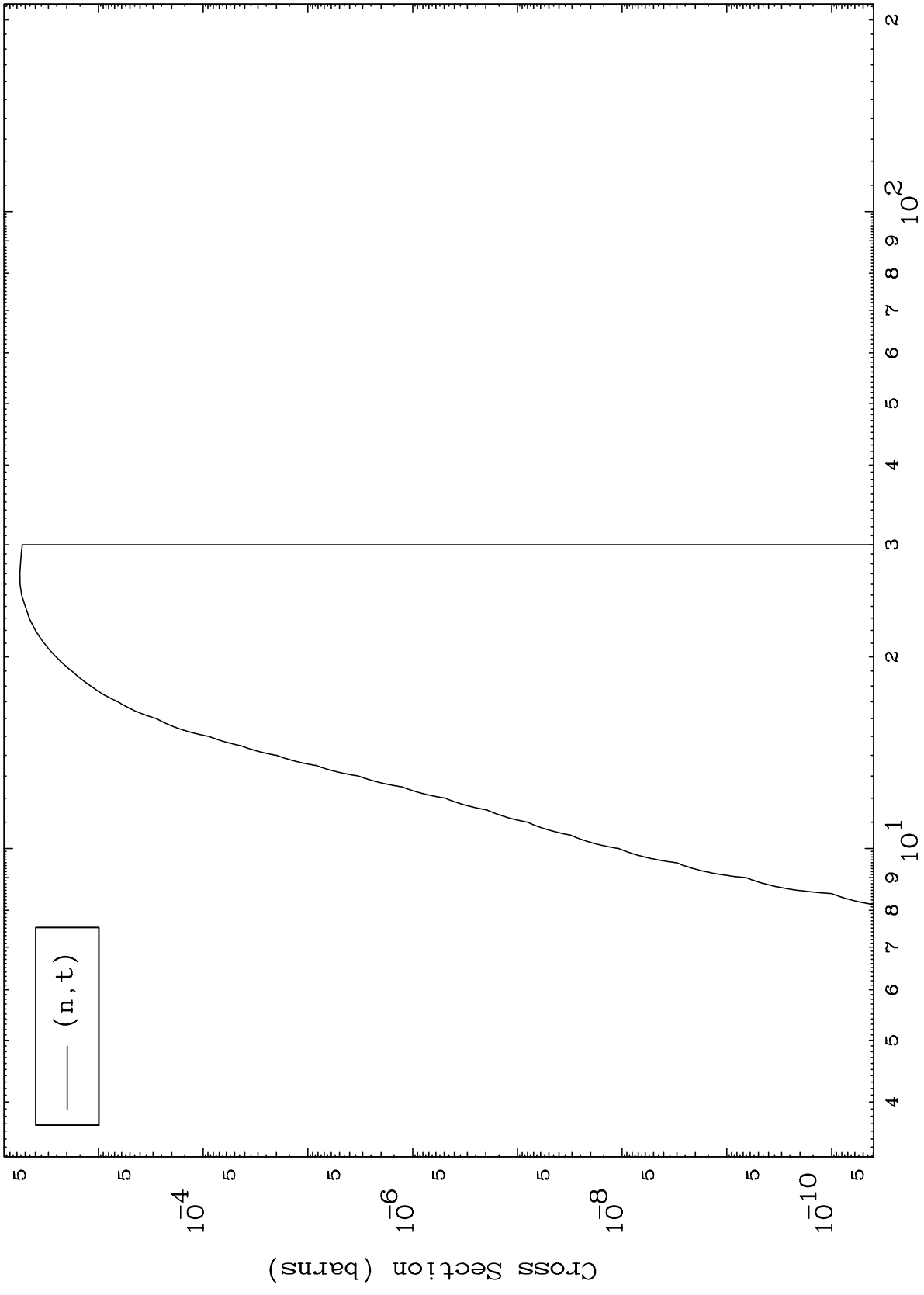
11

82-Pb-209

MAT 8240

(n,t) Levels
293 Kelvin Cross Sections

82-Pb-209



12

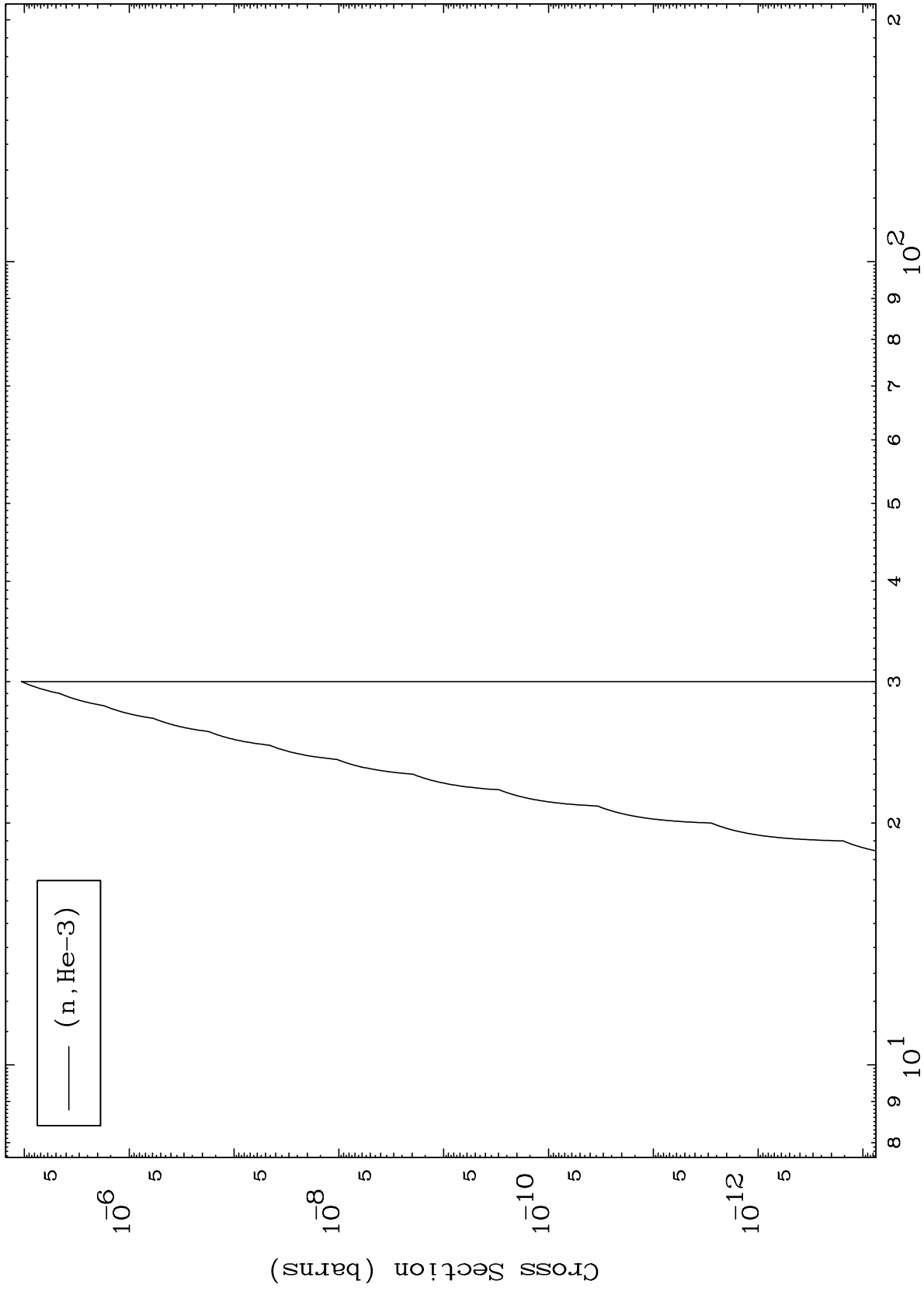
Incident Energy (MeV)

82-Pb-209

MAT 8240

(n,He3) Levels
293 Kelvin Cross Sections

82-Pb-209



13

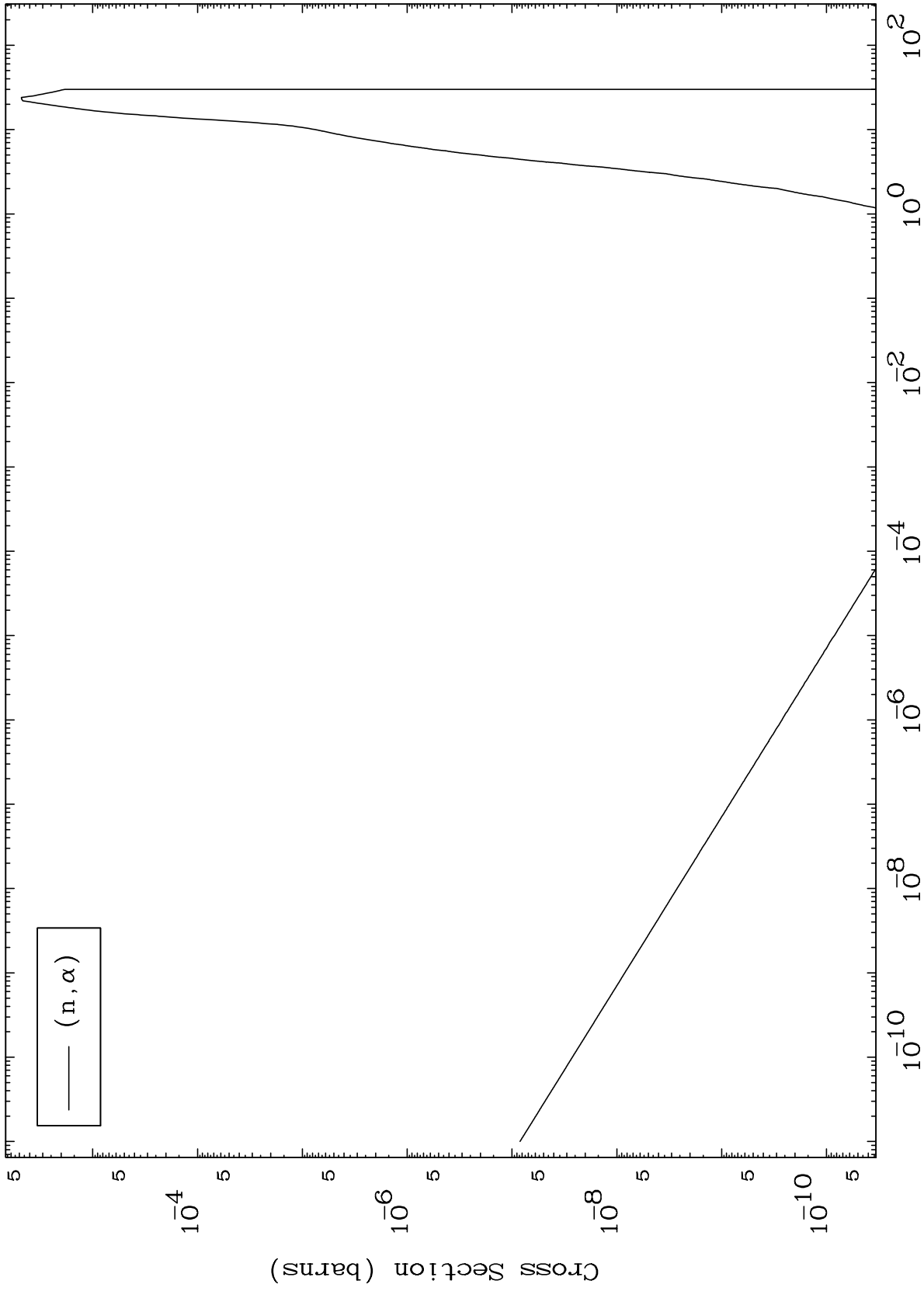
Incident Energy (MeV)

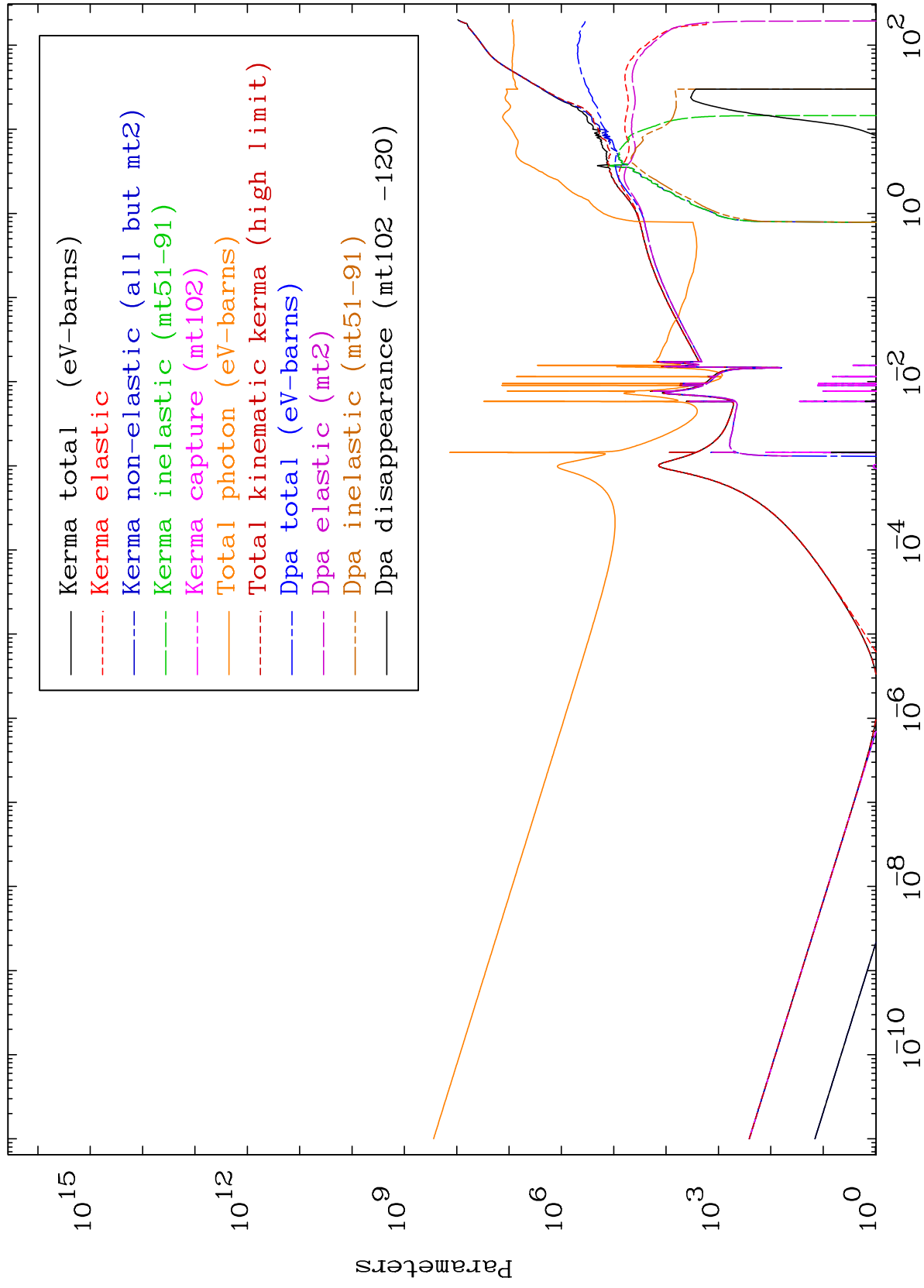
82-Pb-209

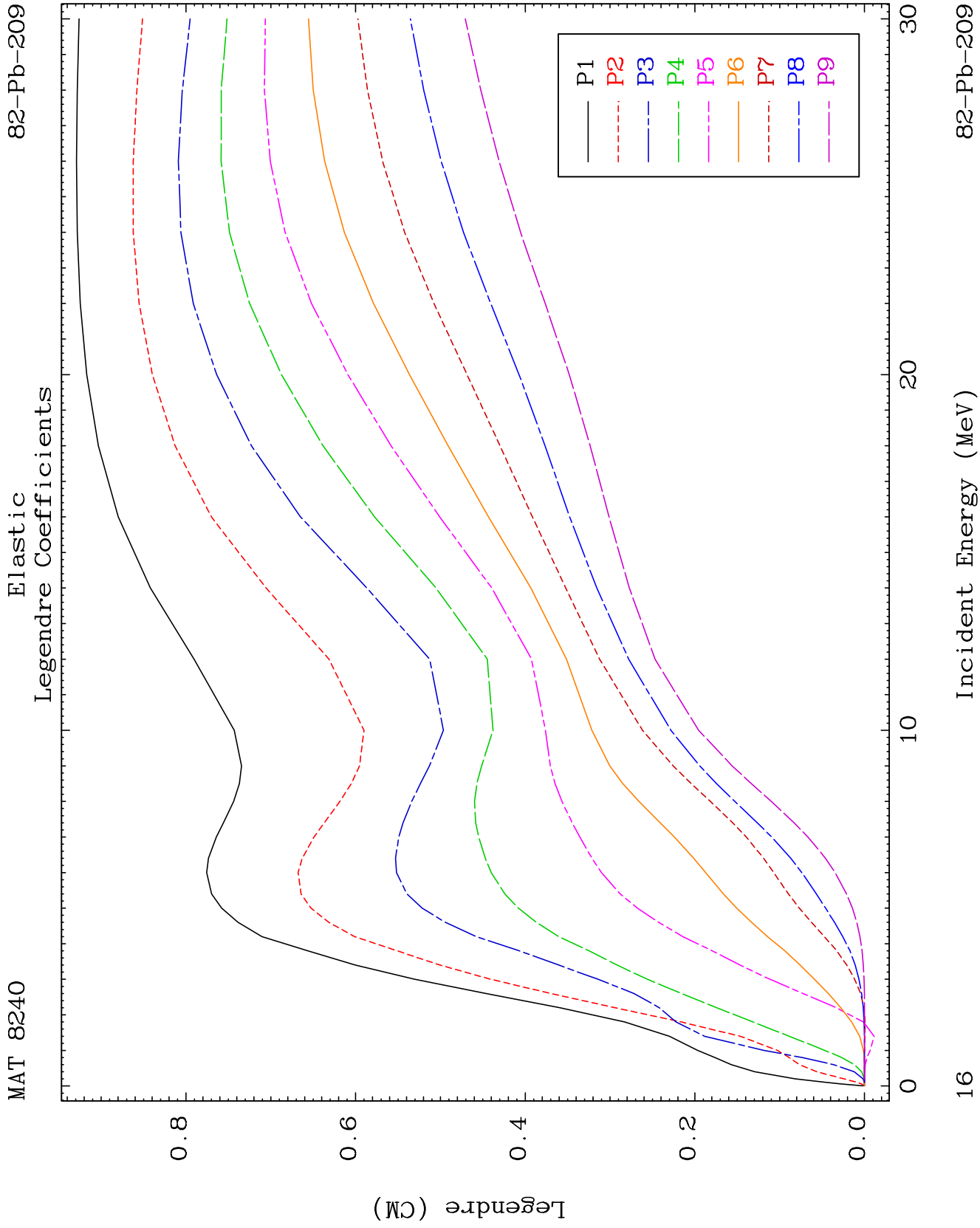
MAT 8240

(n,α) Levels
293 Kelvin Cross Sections

82-Pb-209



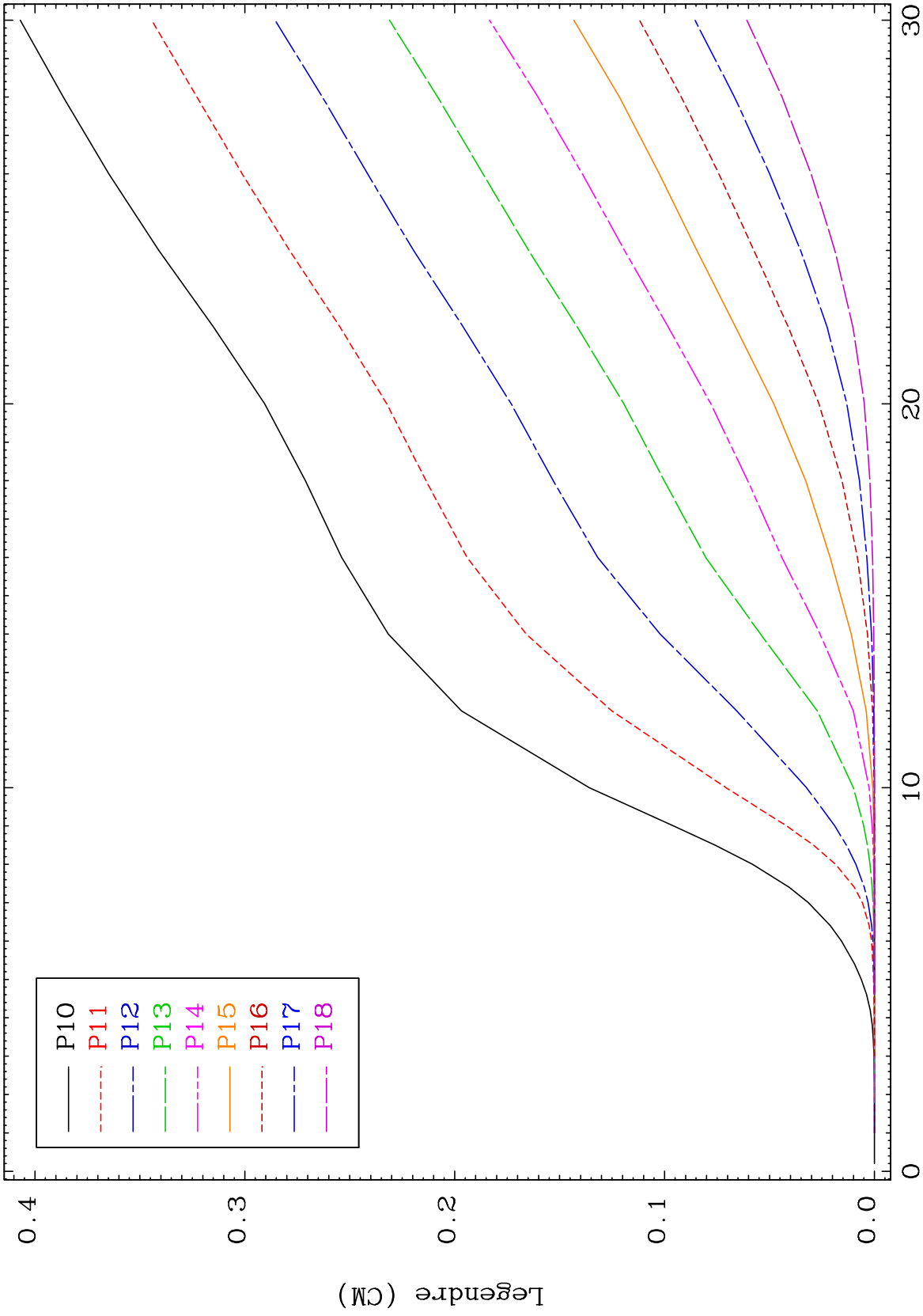




MAT 8240

Elastic Legendre Coefficients

82-Pb-209



17

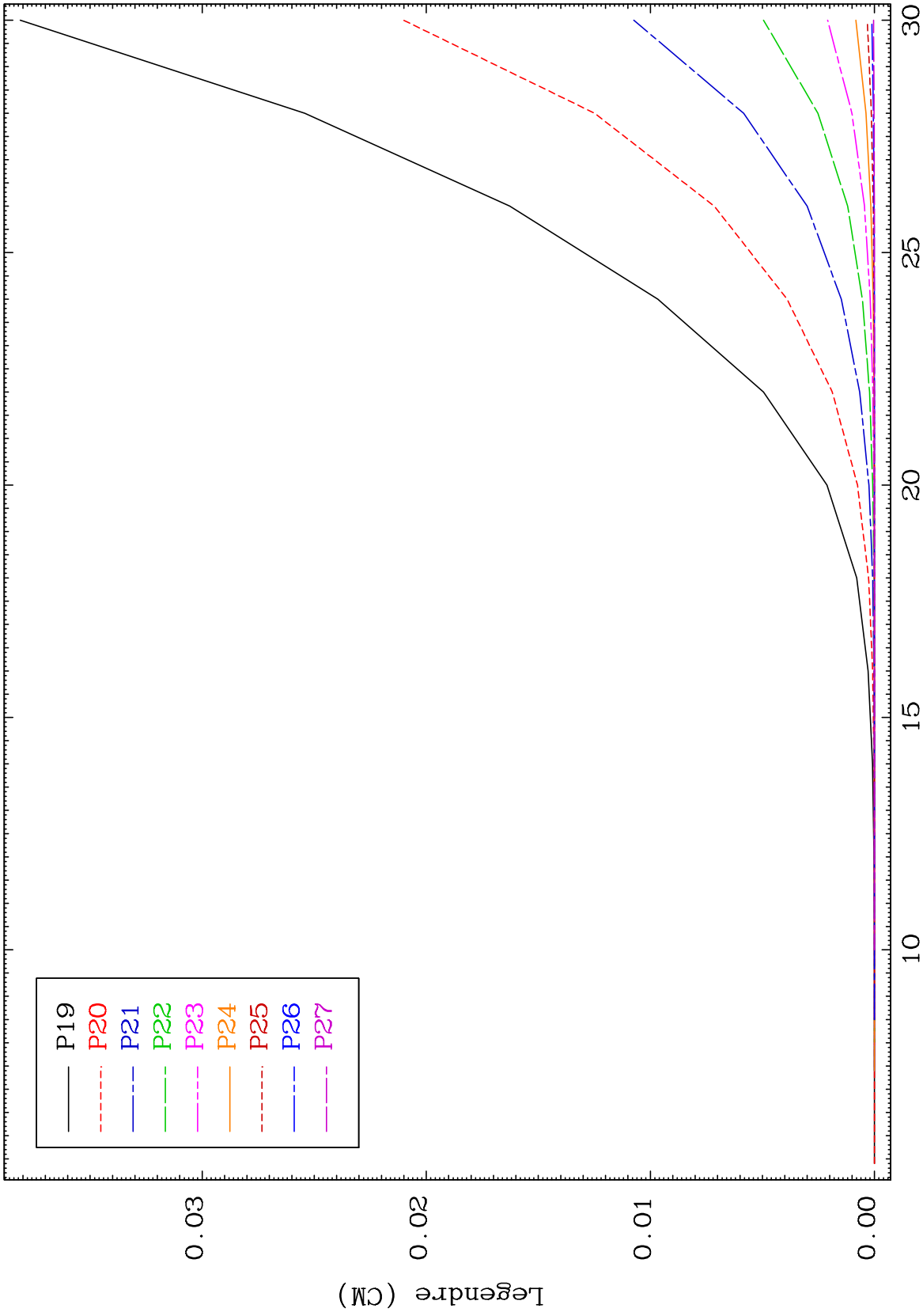
Incident Energy (MeV)

82-Pb-209

MAT 8240

Elastic Legendre Coefficients

82-Pb-209



18

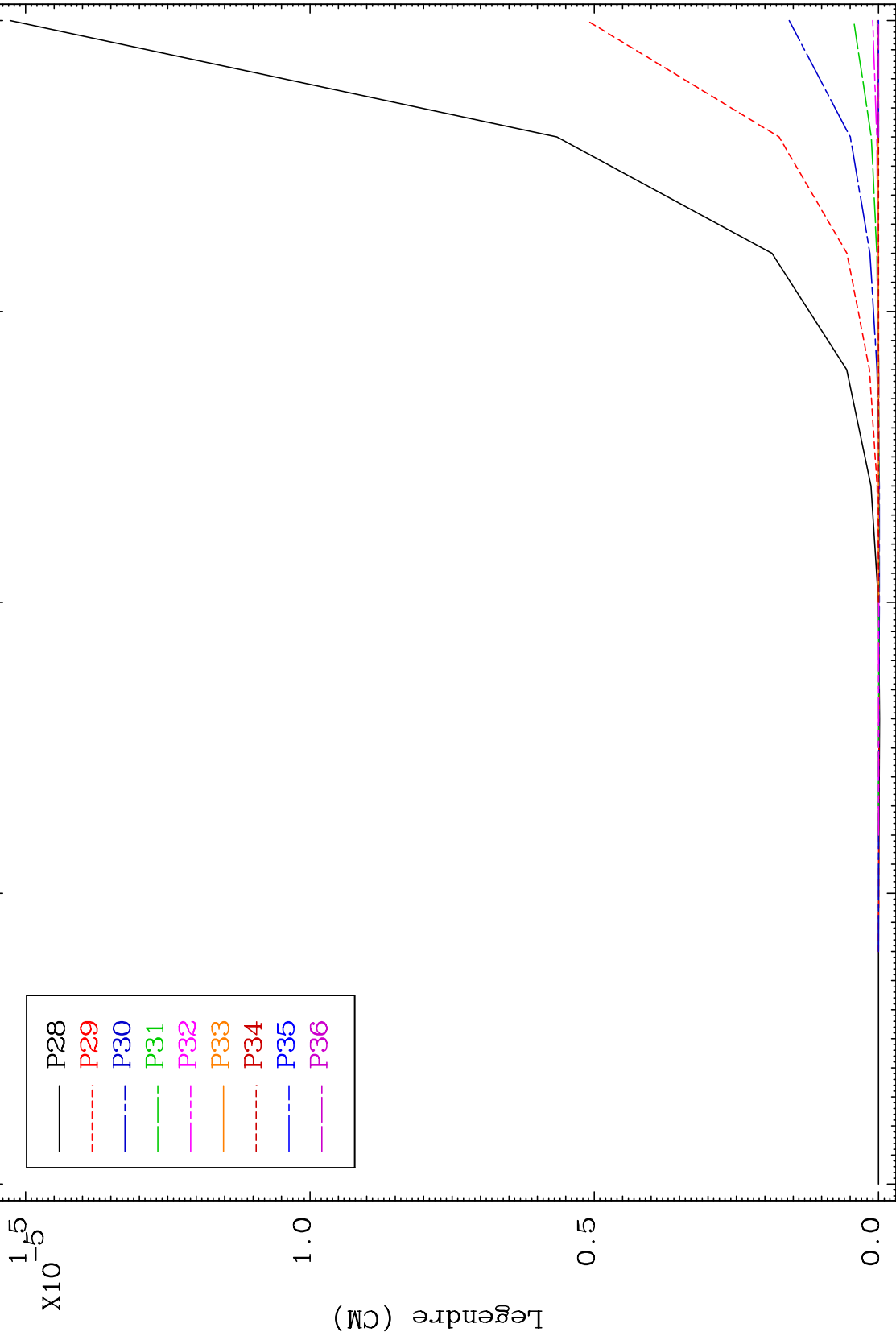
Incident Energy (MeV)

82-Pb-209

MAT 8240

Elastic Legendre Coefficients

82-Pb-209



19

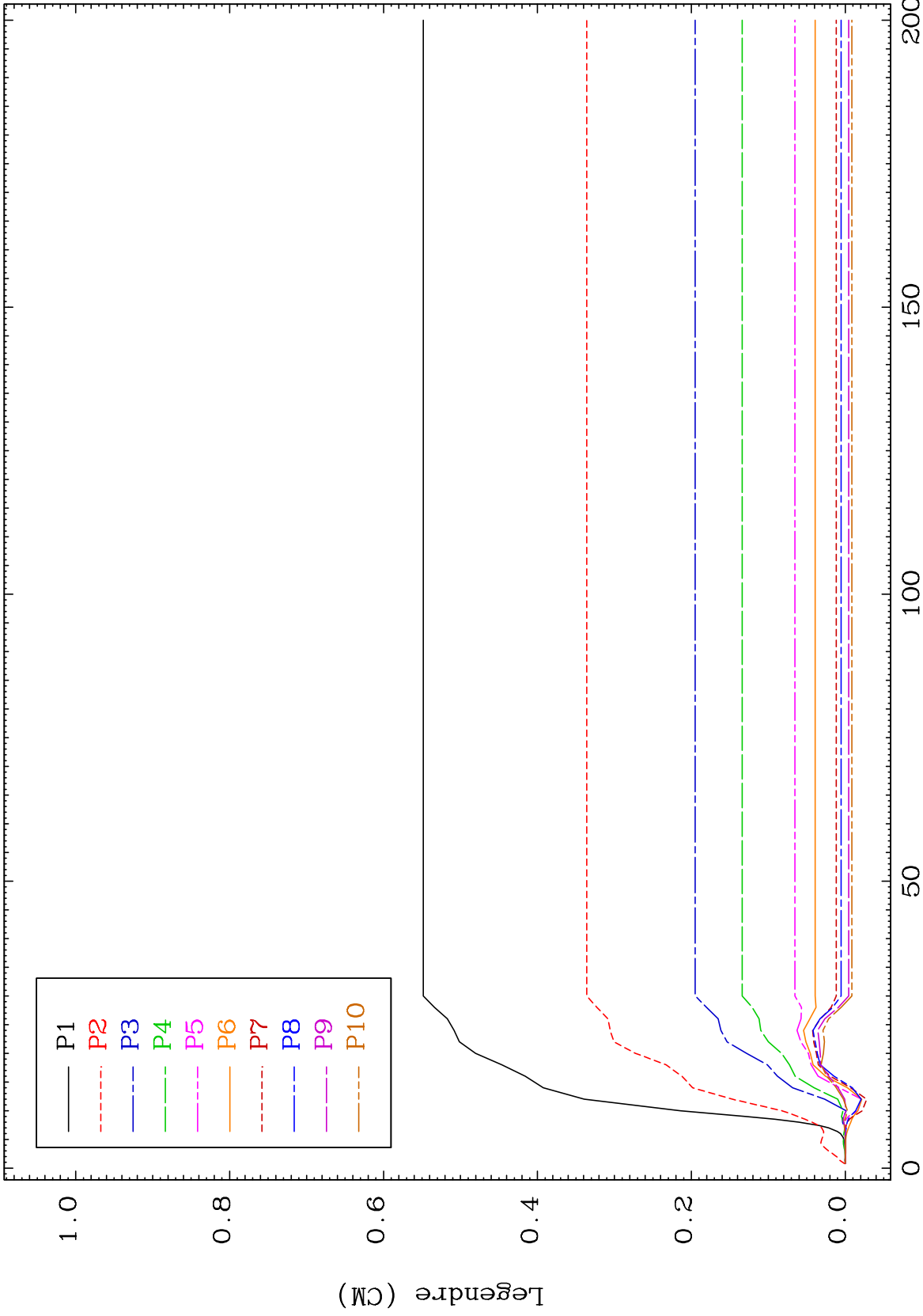
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



0

50

100

150

200

Incident Energy (MeV)

82-Pb-209

1.0

0.8

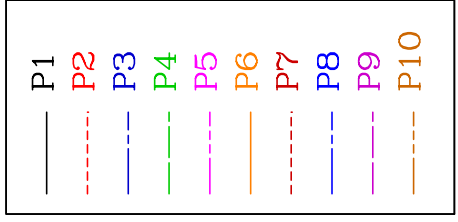
0.6

0.4

0.2

0.0

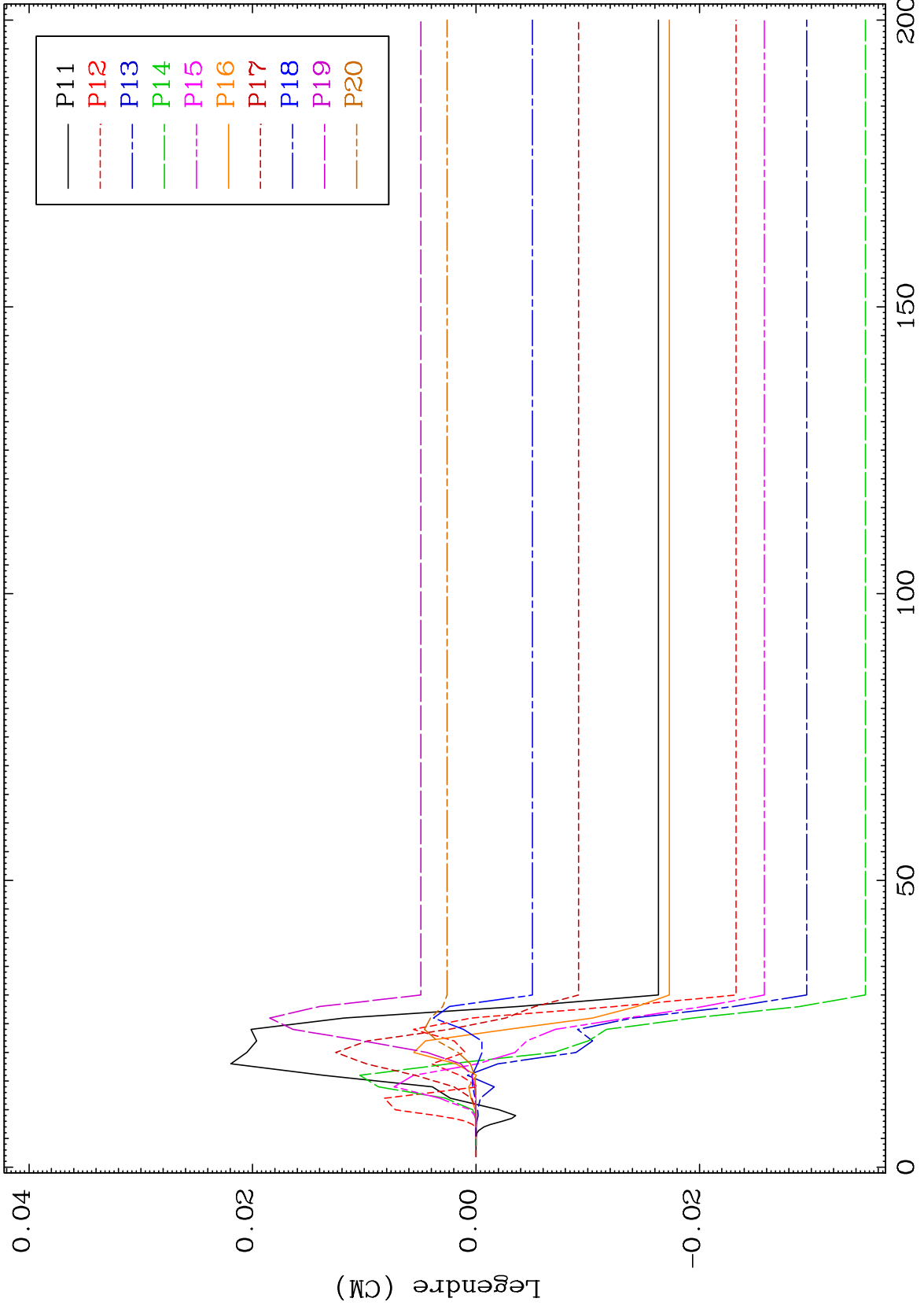
Legendre (CM)



MAT 8240

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

82-Pb-209



21

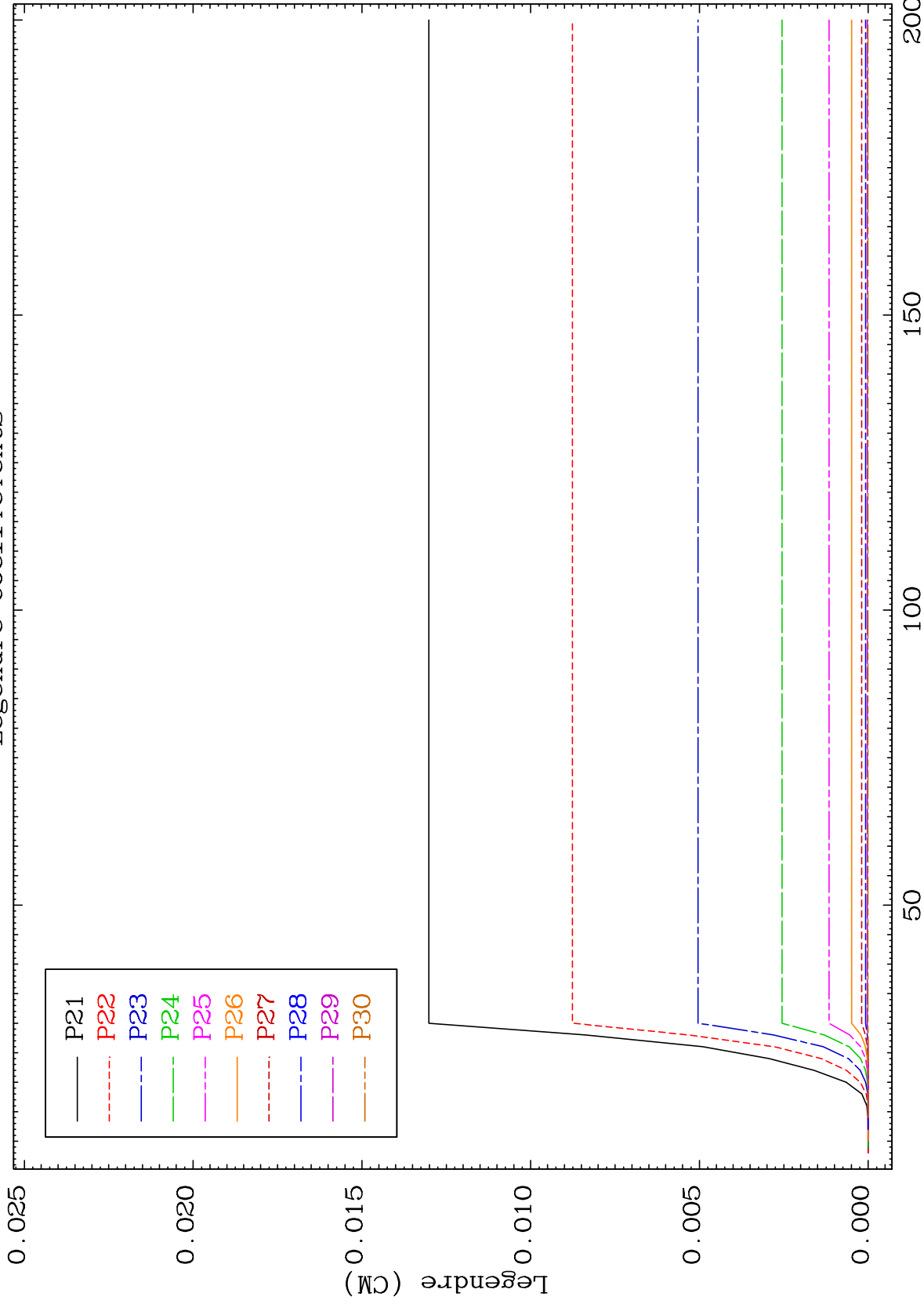
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



22

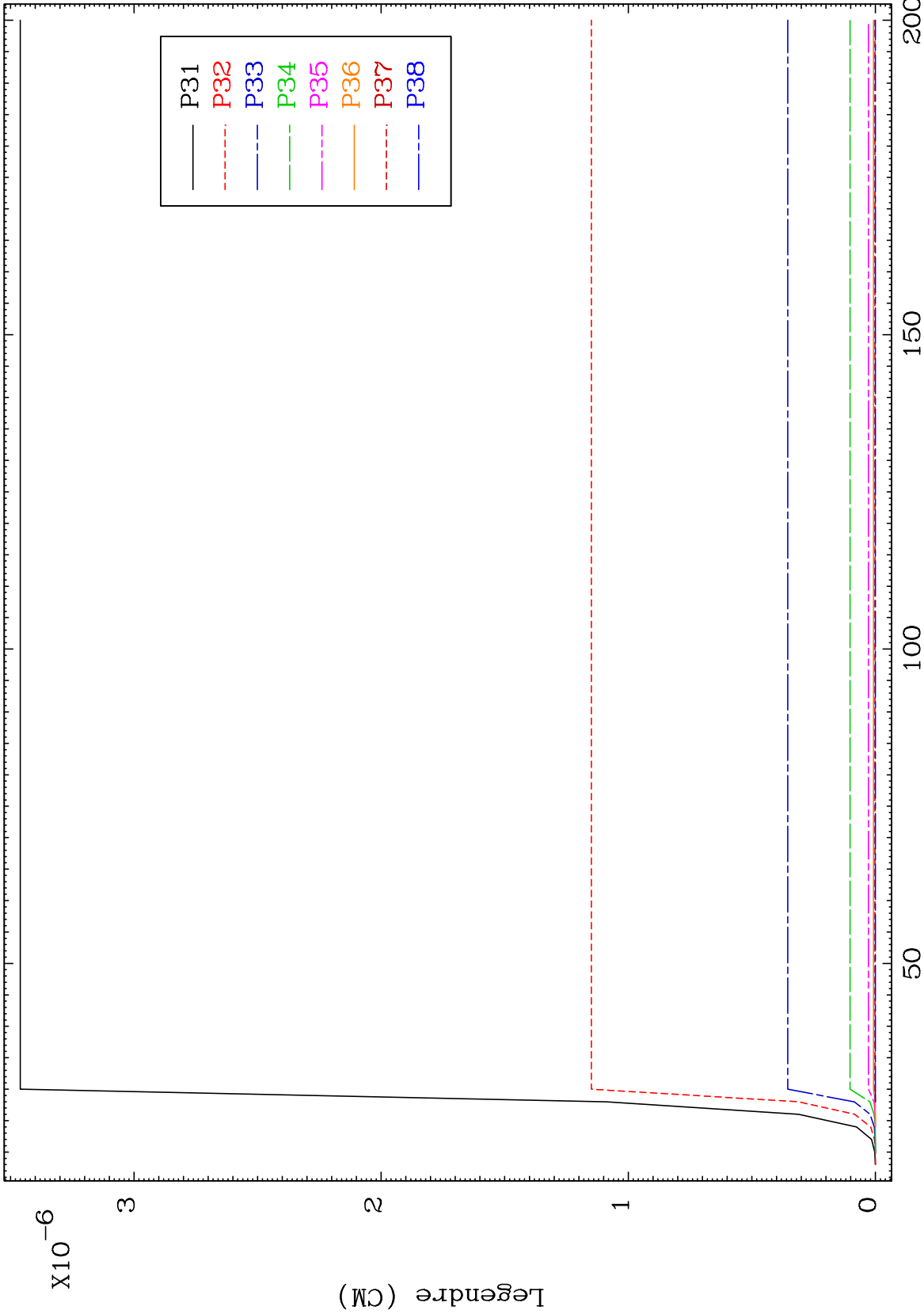
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



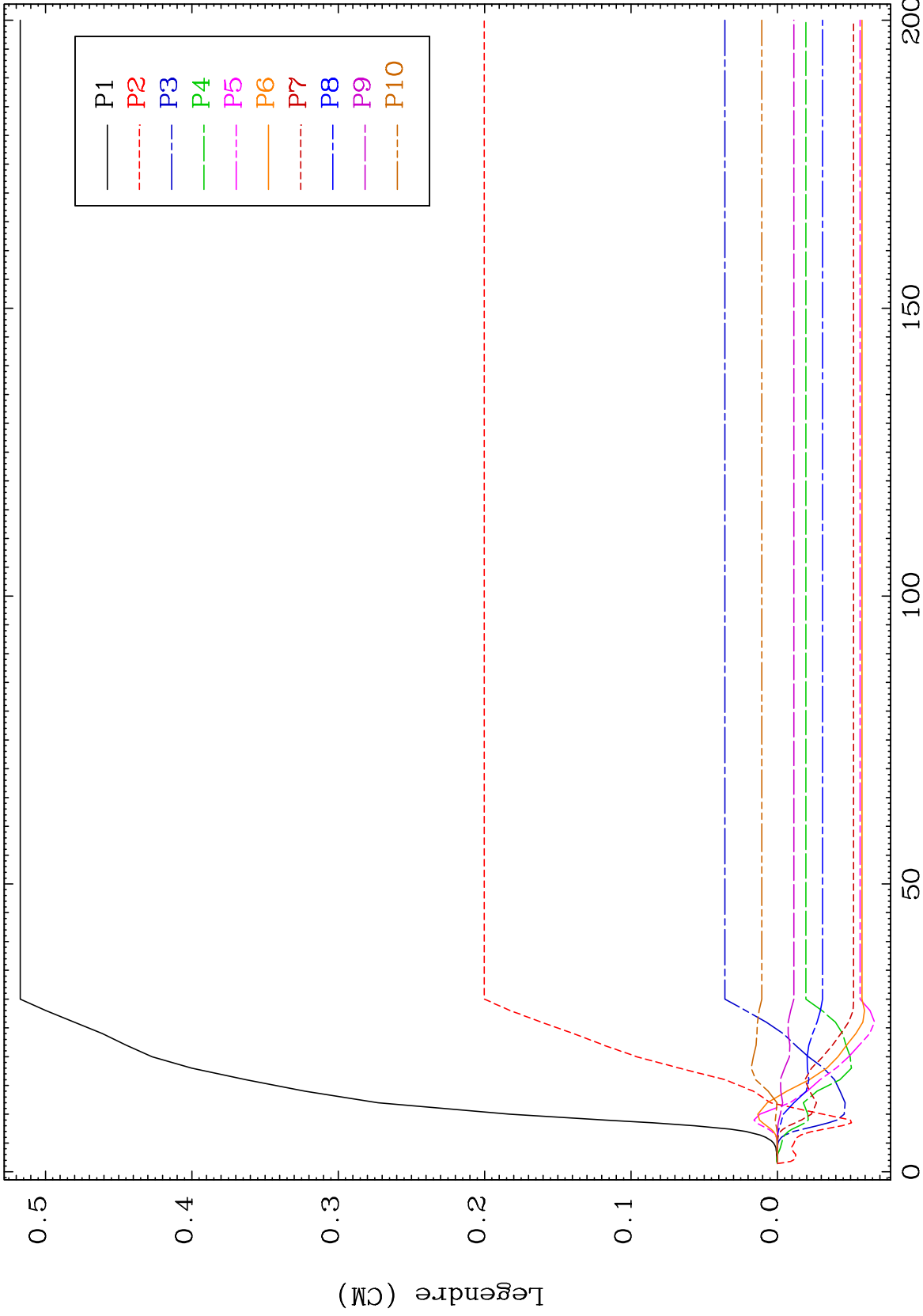
23

82-Pb-209

MAT 8240

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

82-Pb-209



24

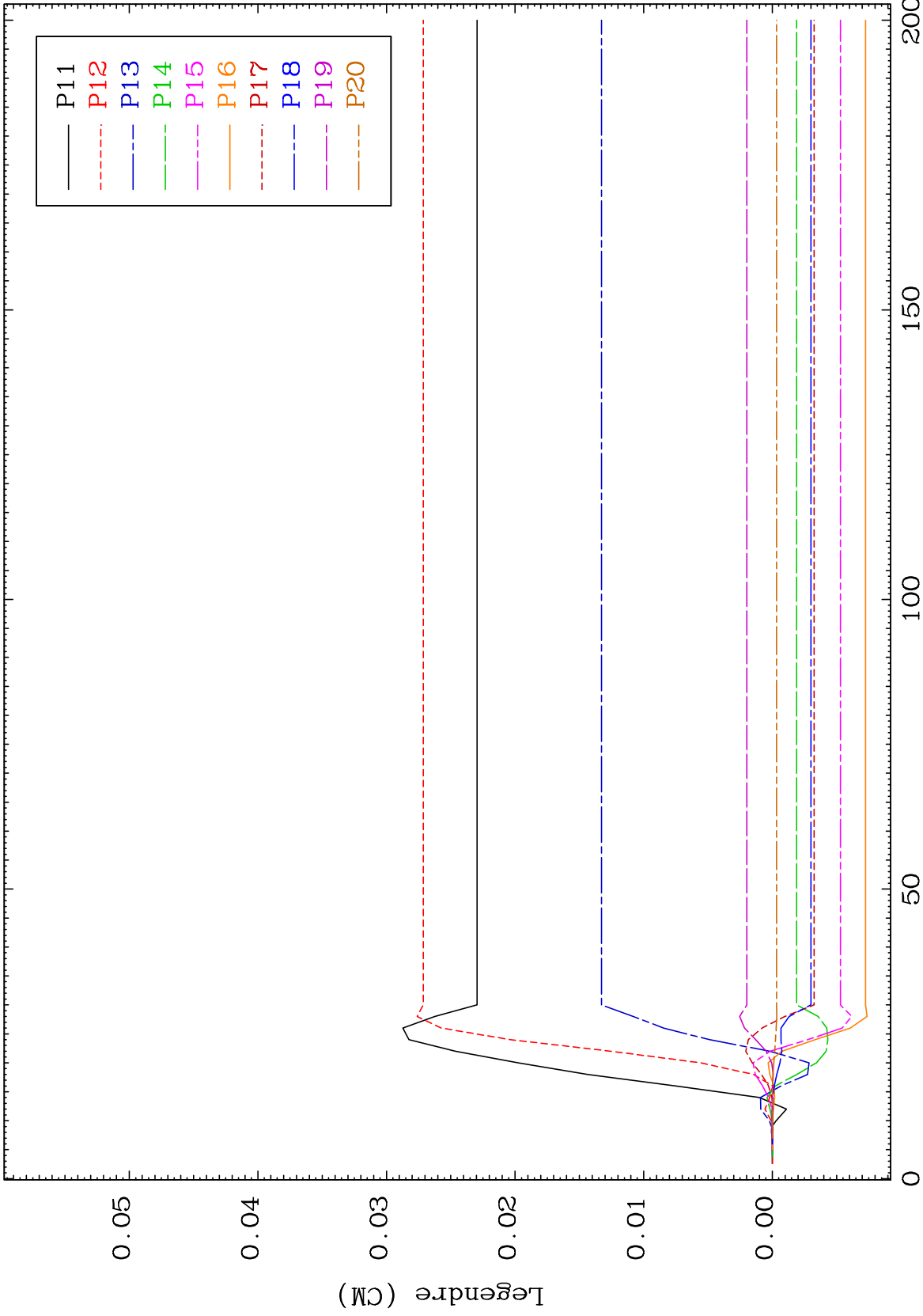
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



25

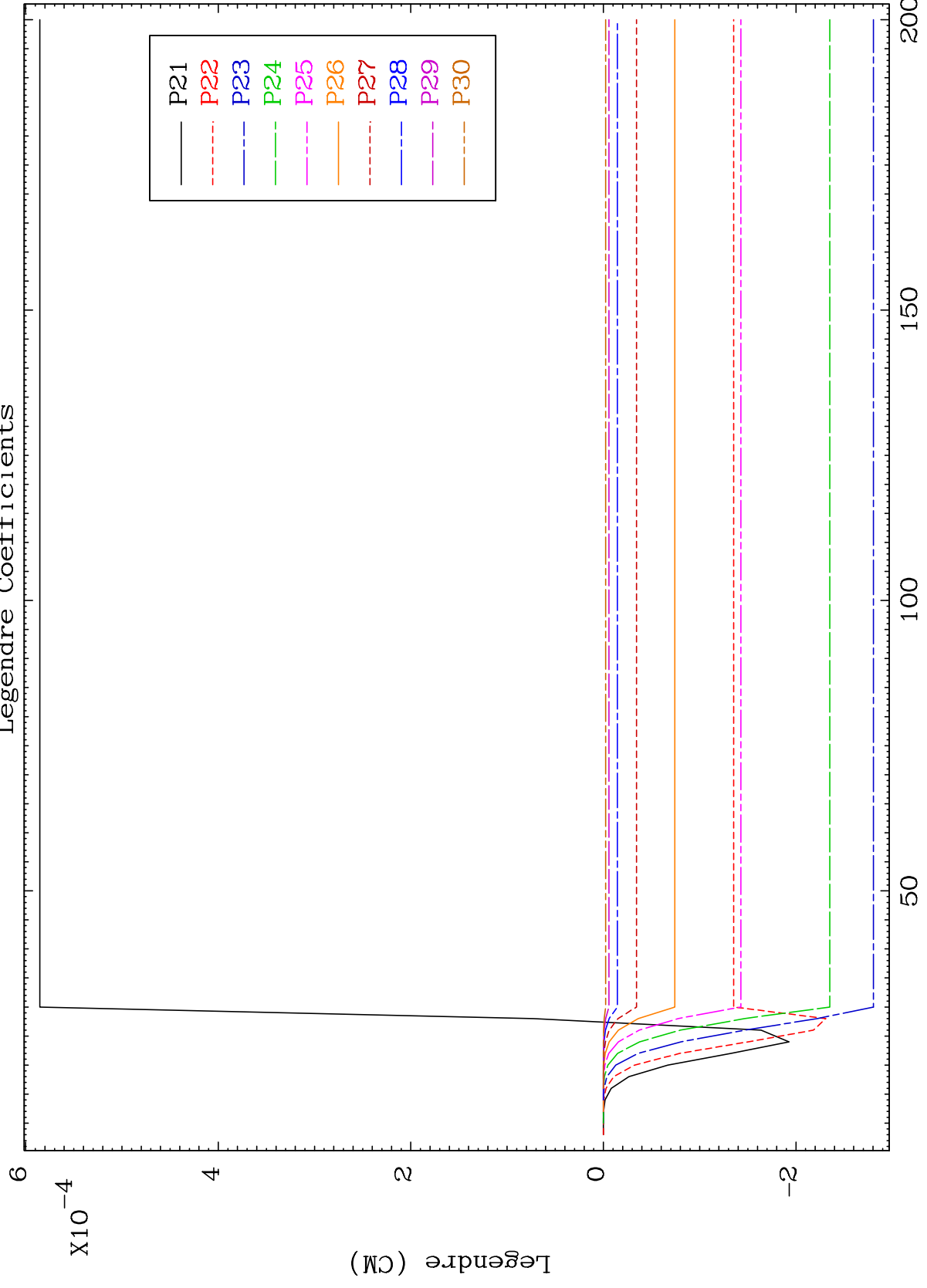
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



26

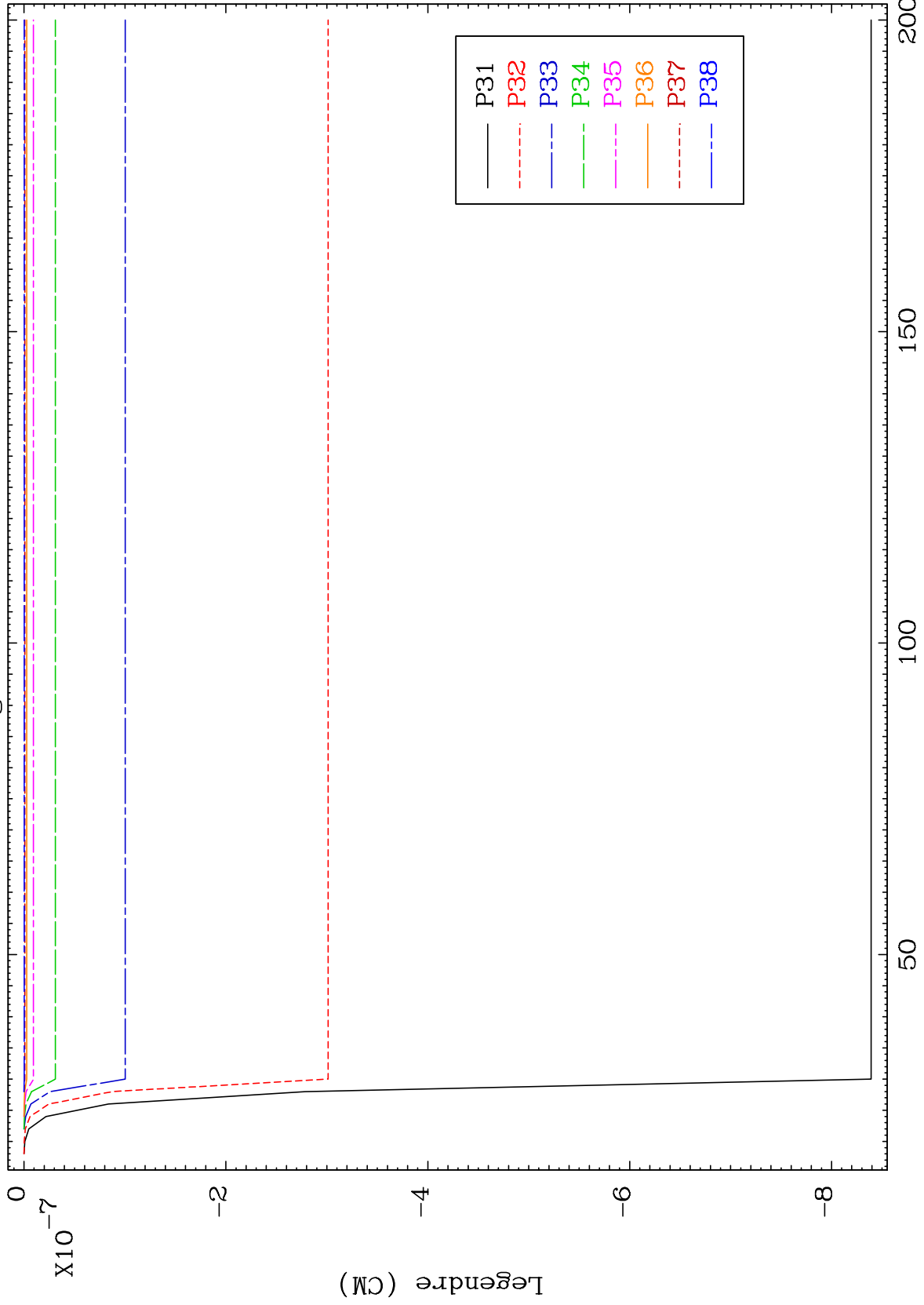
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209

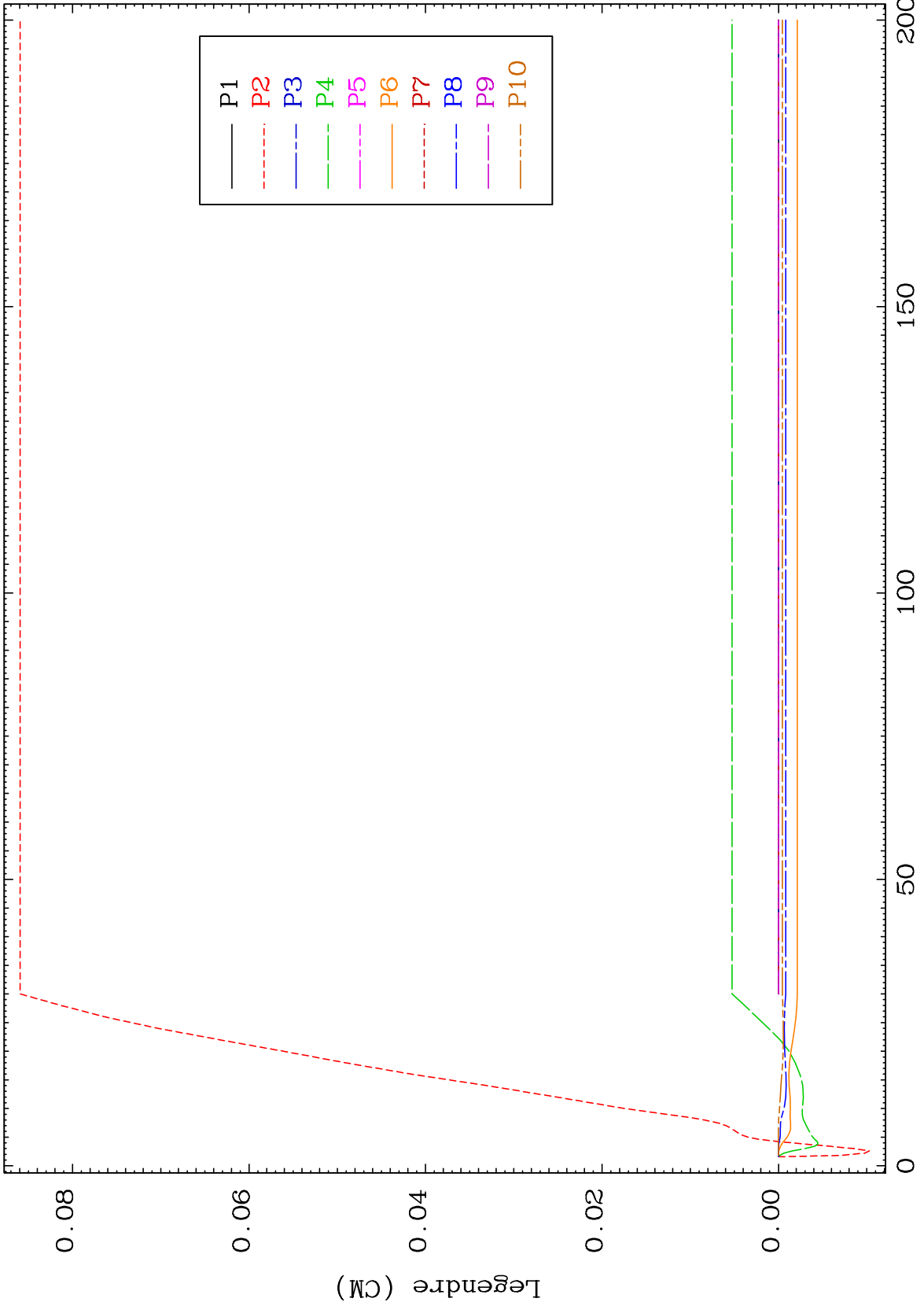


82-Pb-209

Incident Energy (MeV)

27

MAT 8240 MT= 53 (n,n') Level Legendre Coefficients 82-Pb-209

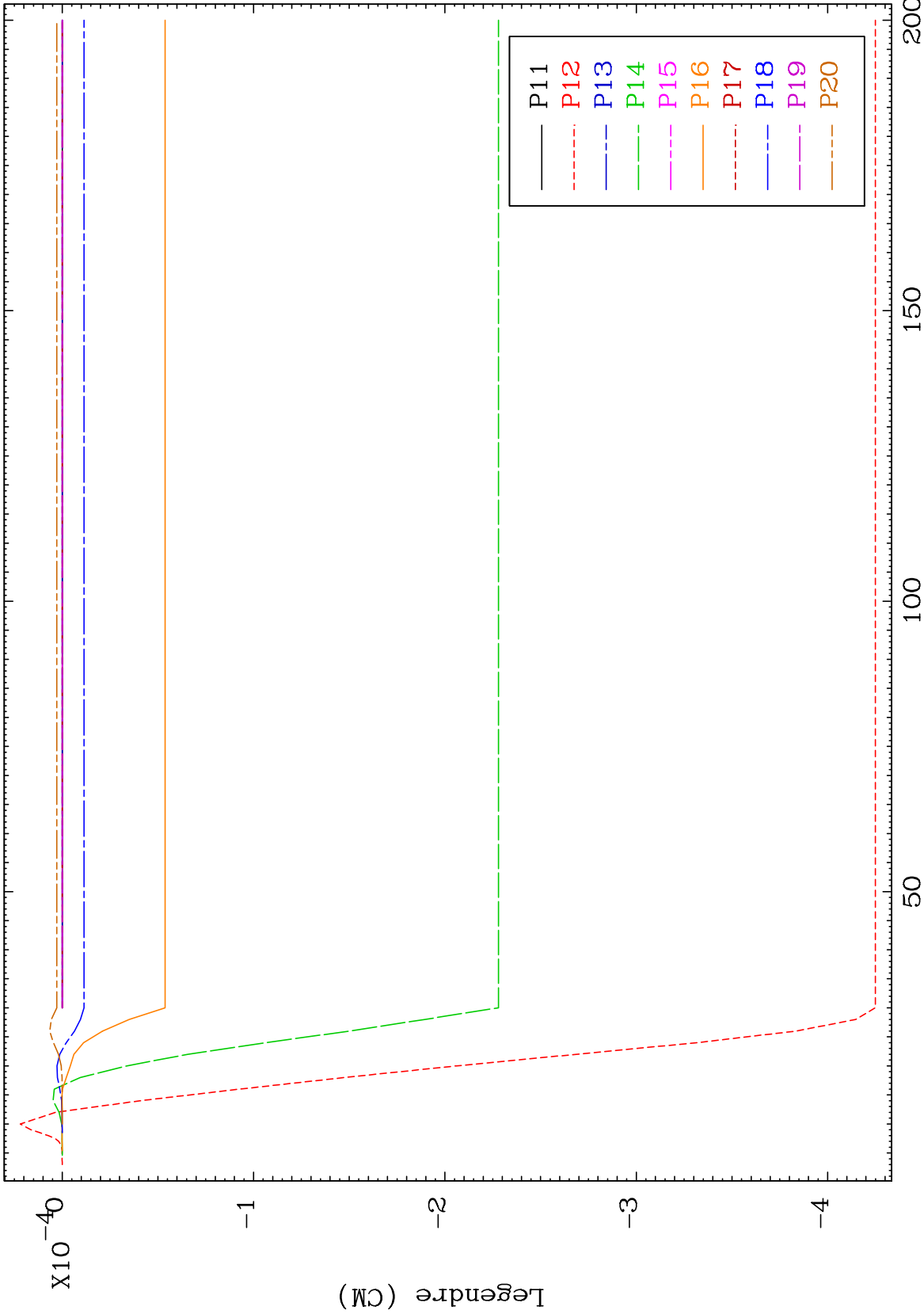


28 82-Pb-209

MAT 8240

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

82-Pb-209

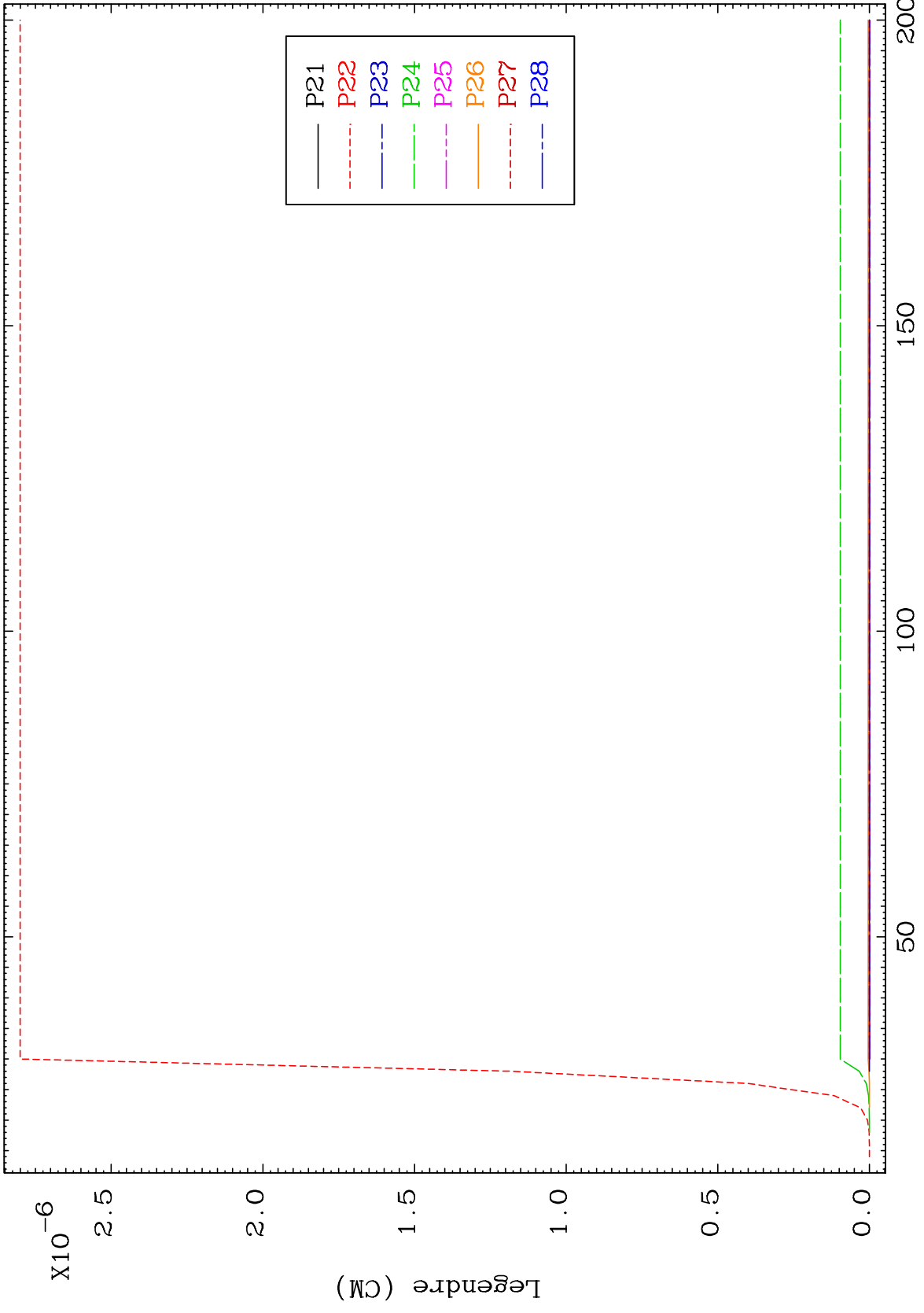


29

Incident Energy (MeV)

82-Pb-209

MAT 8240 MT= 53 (n,n') Level Legendre Coefficients 82-Pb-209

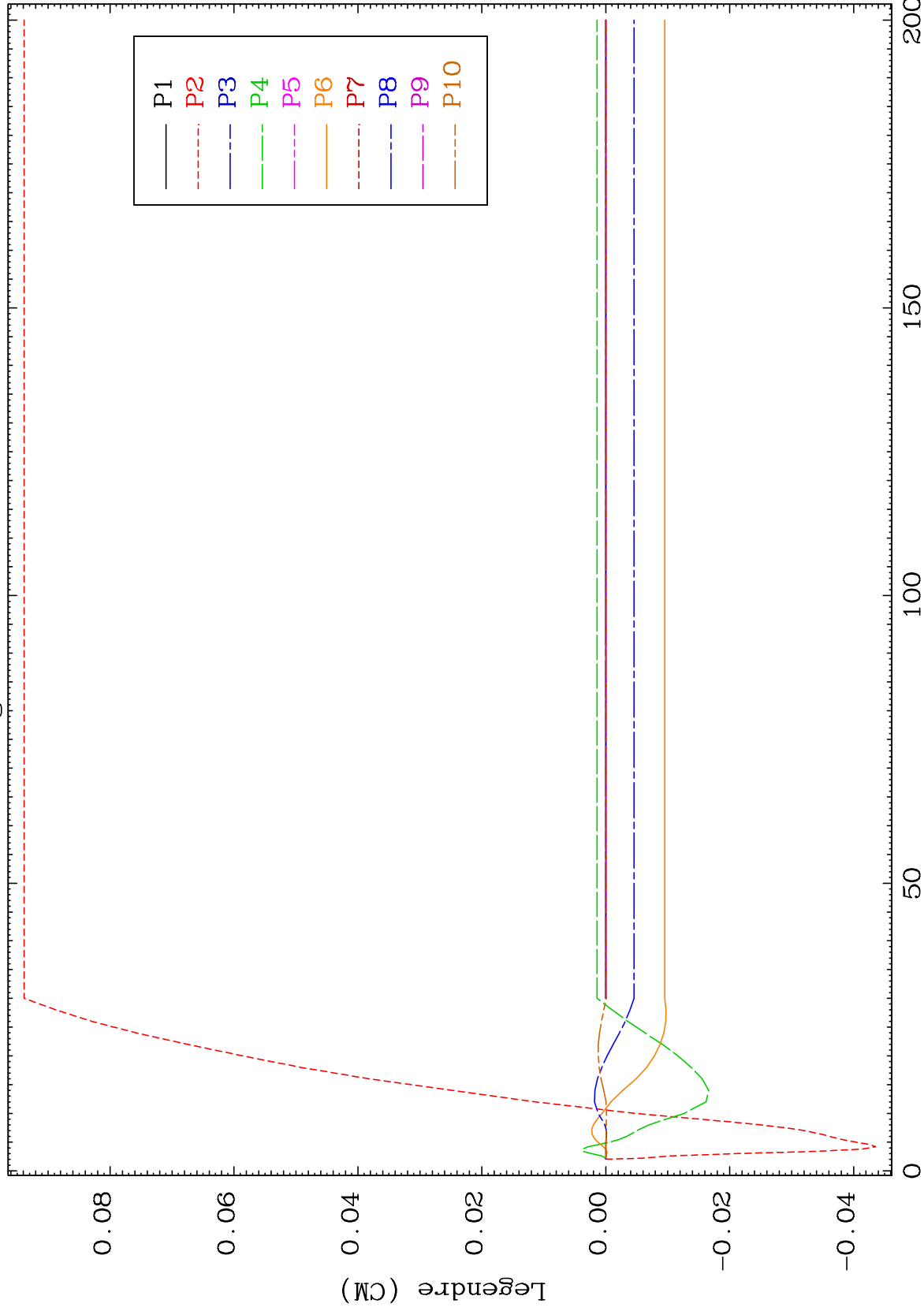


82-Pb-209

MAT 8240

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

82-Pb-209



31

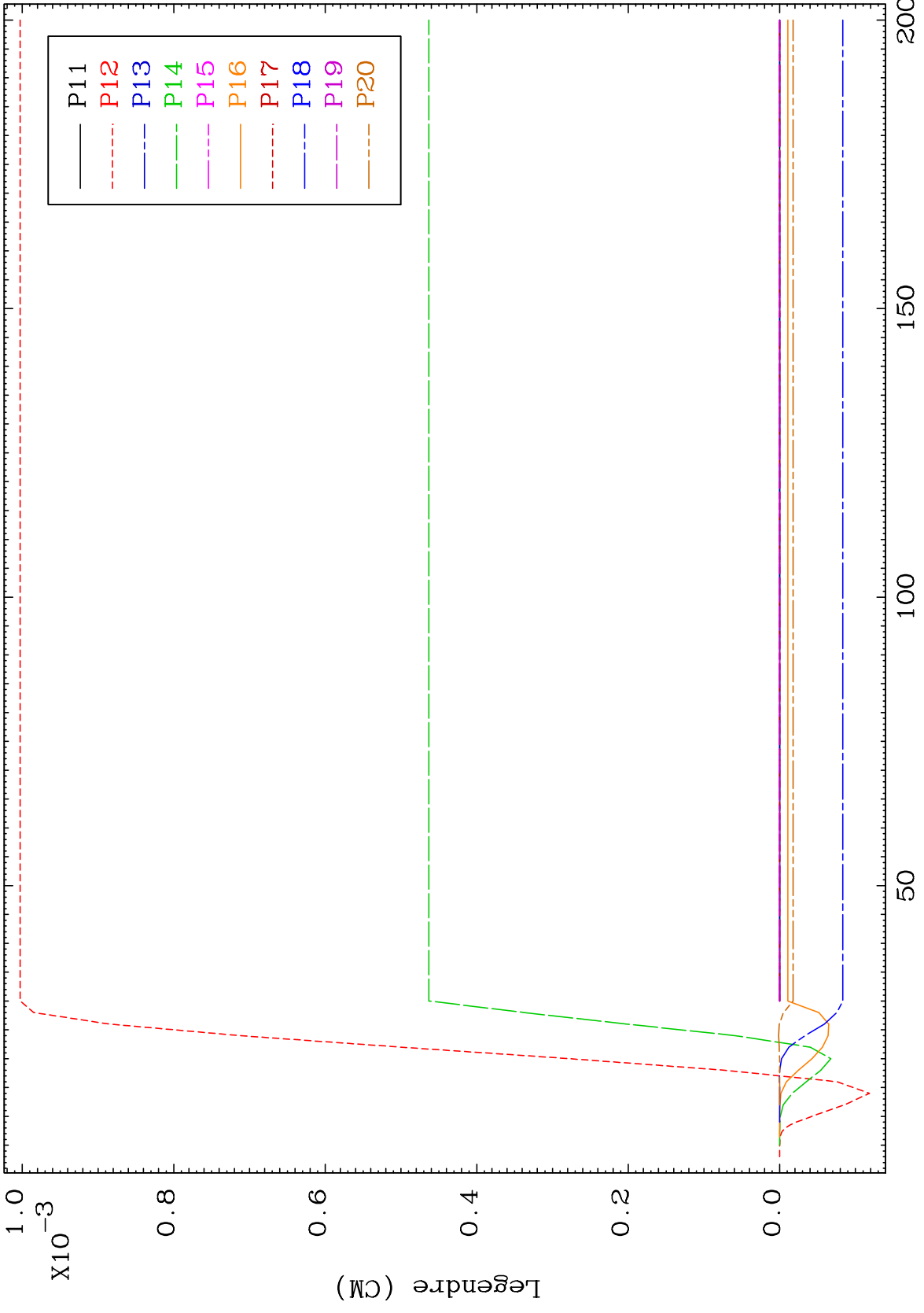
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



32

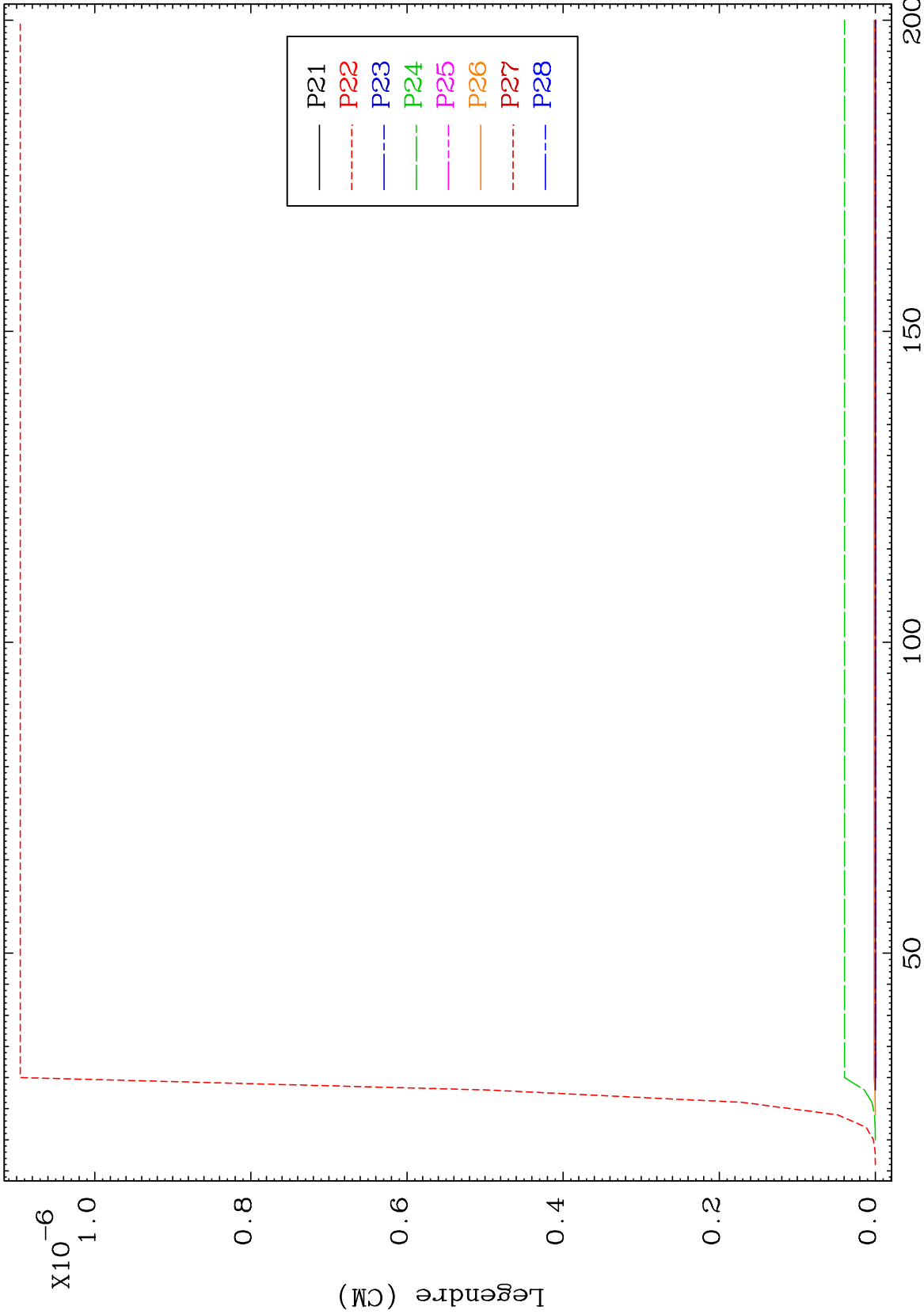
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



33

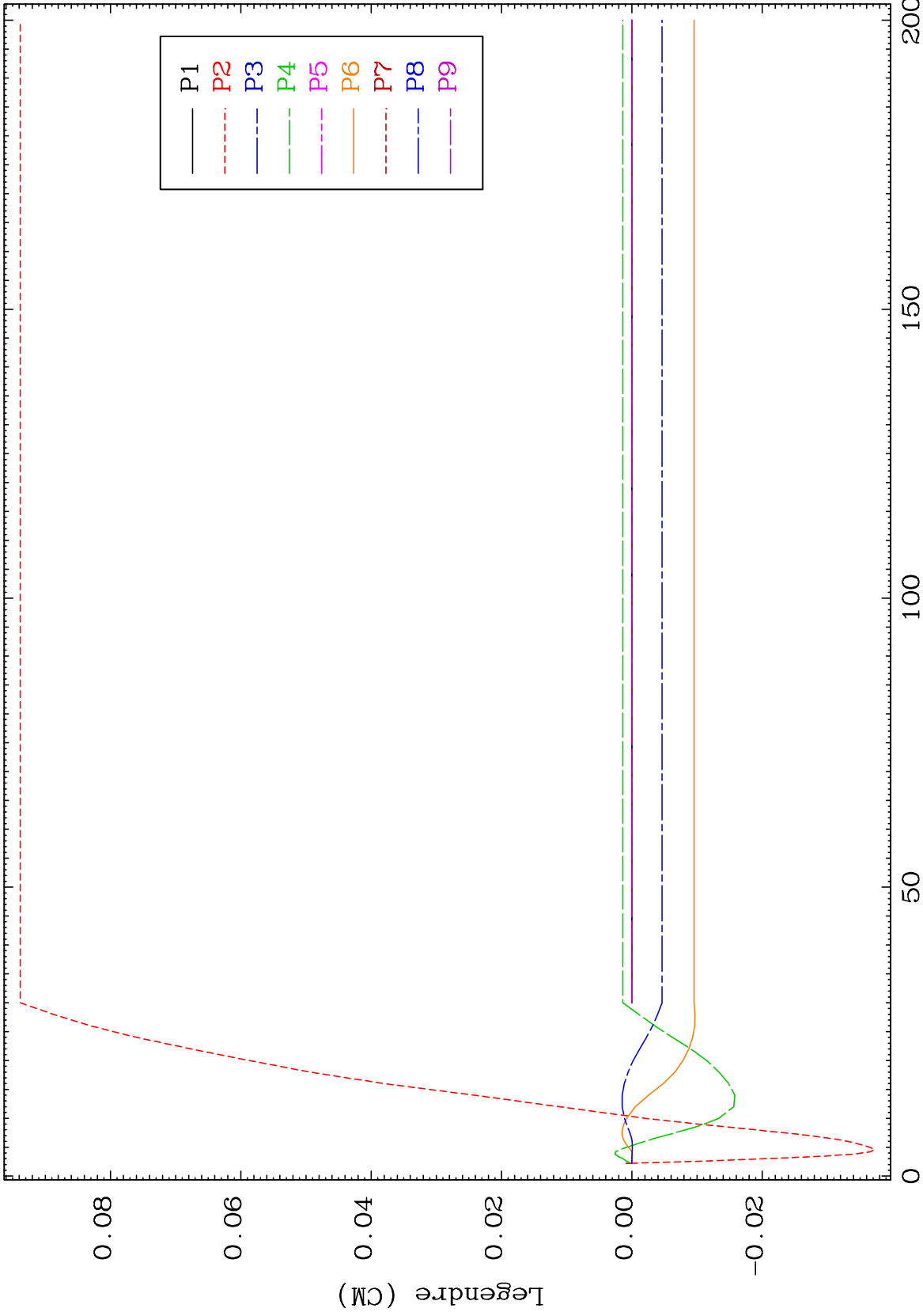
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



34

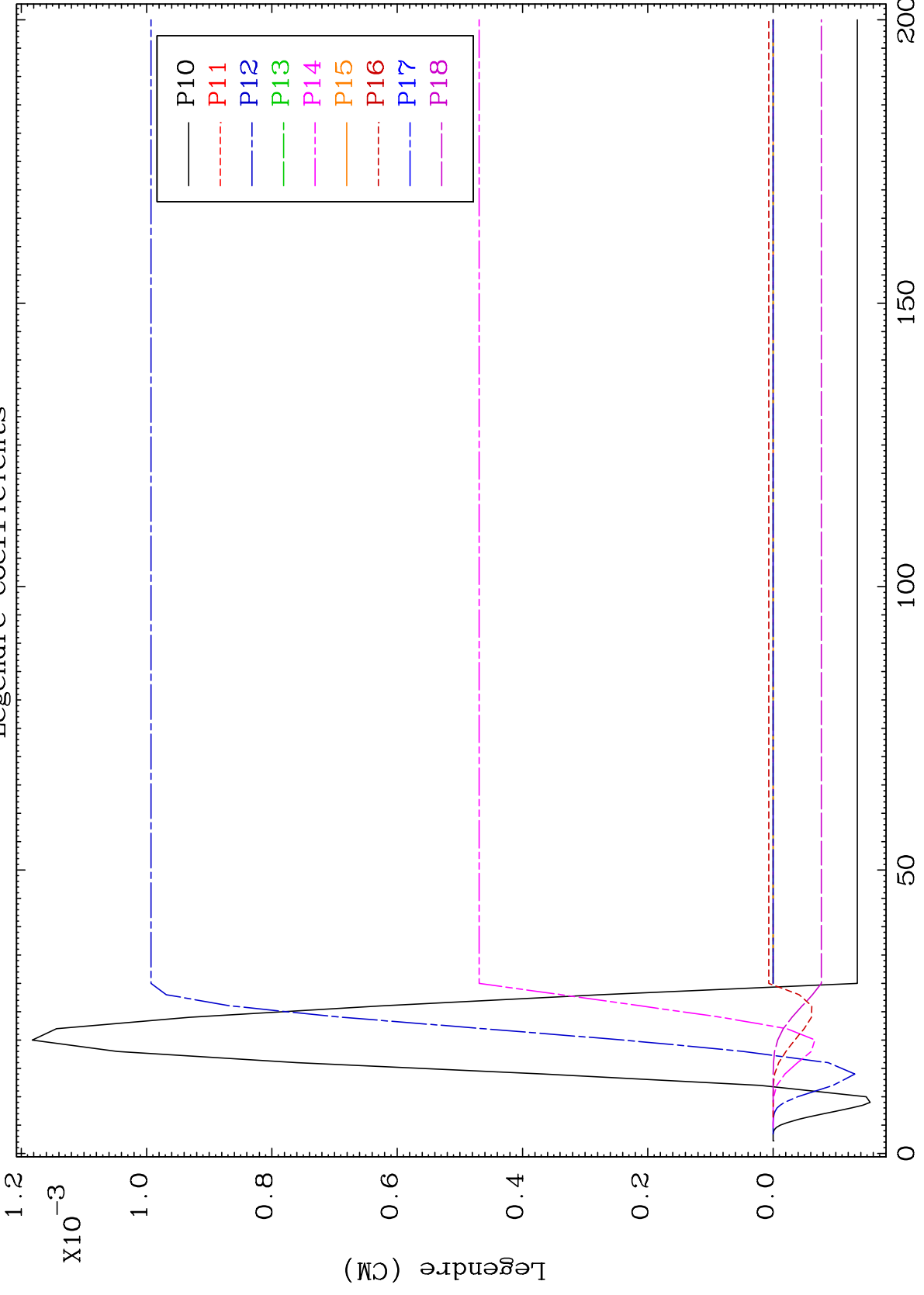
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



35

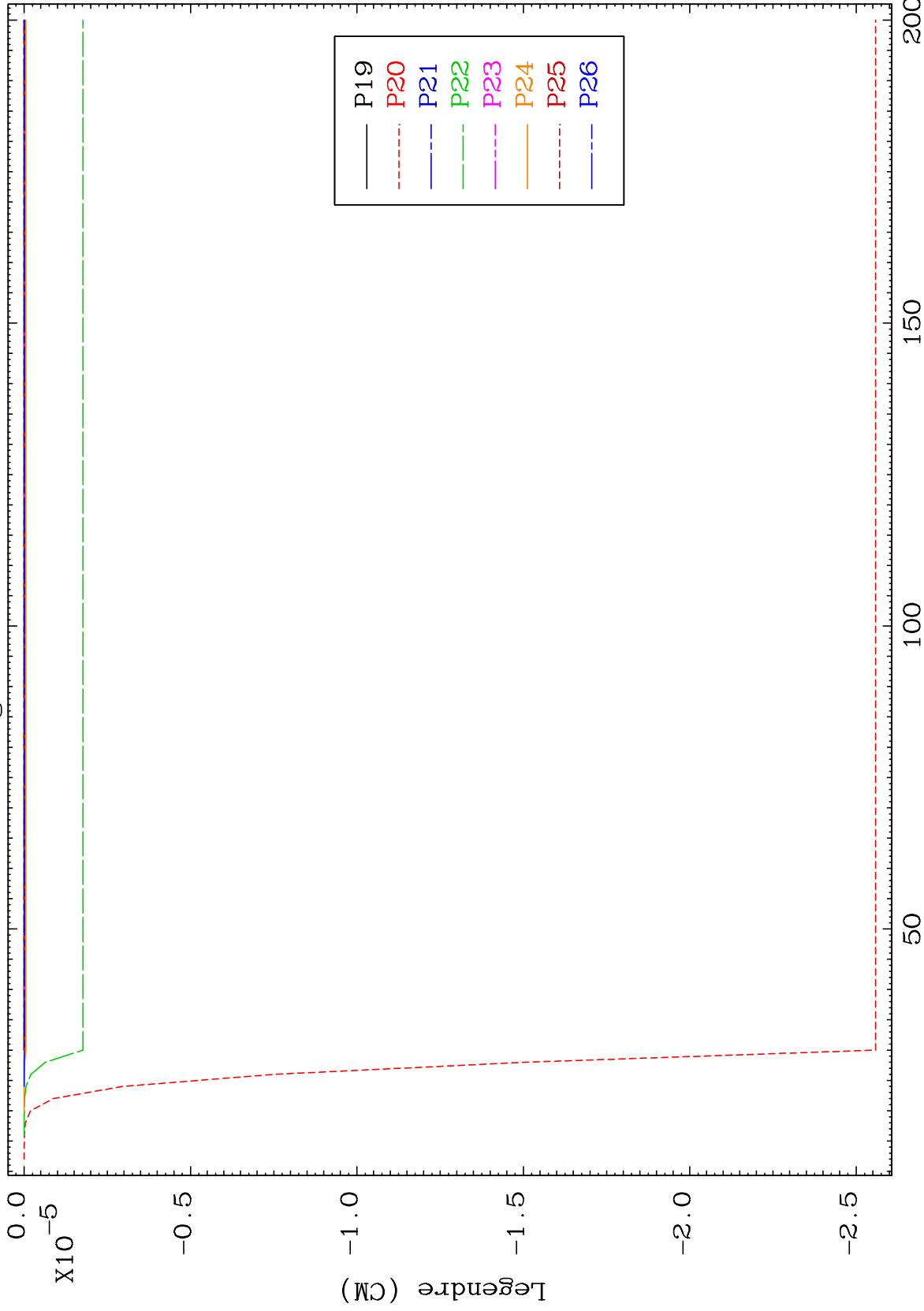
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



36

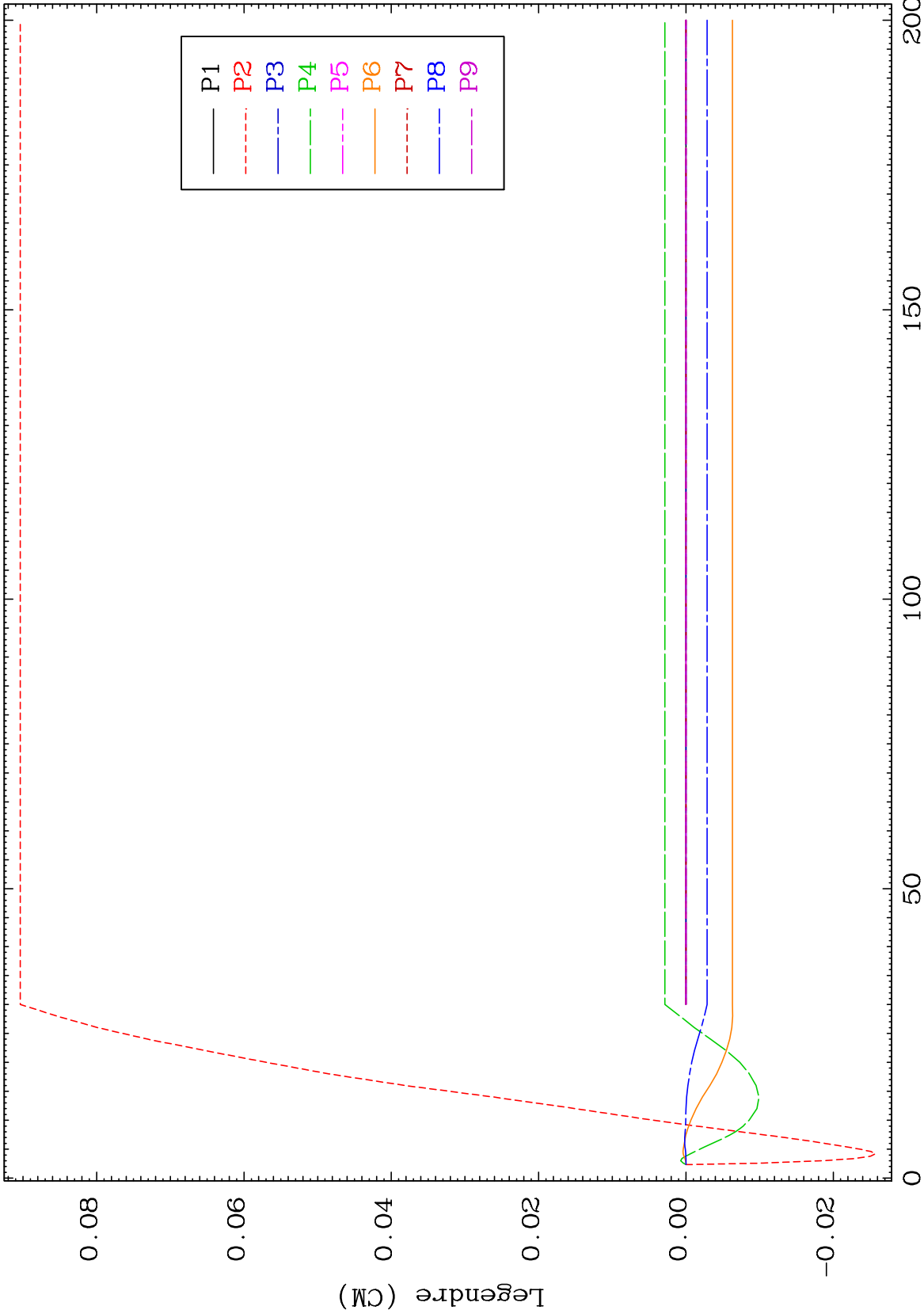
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



37

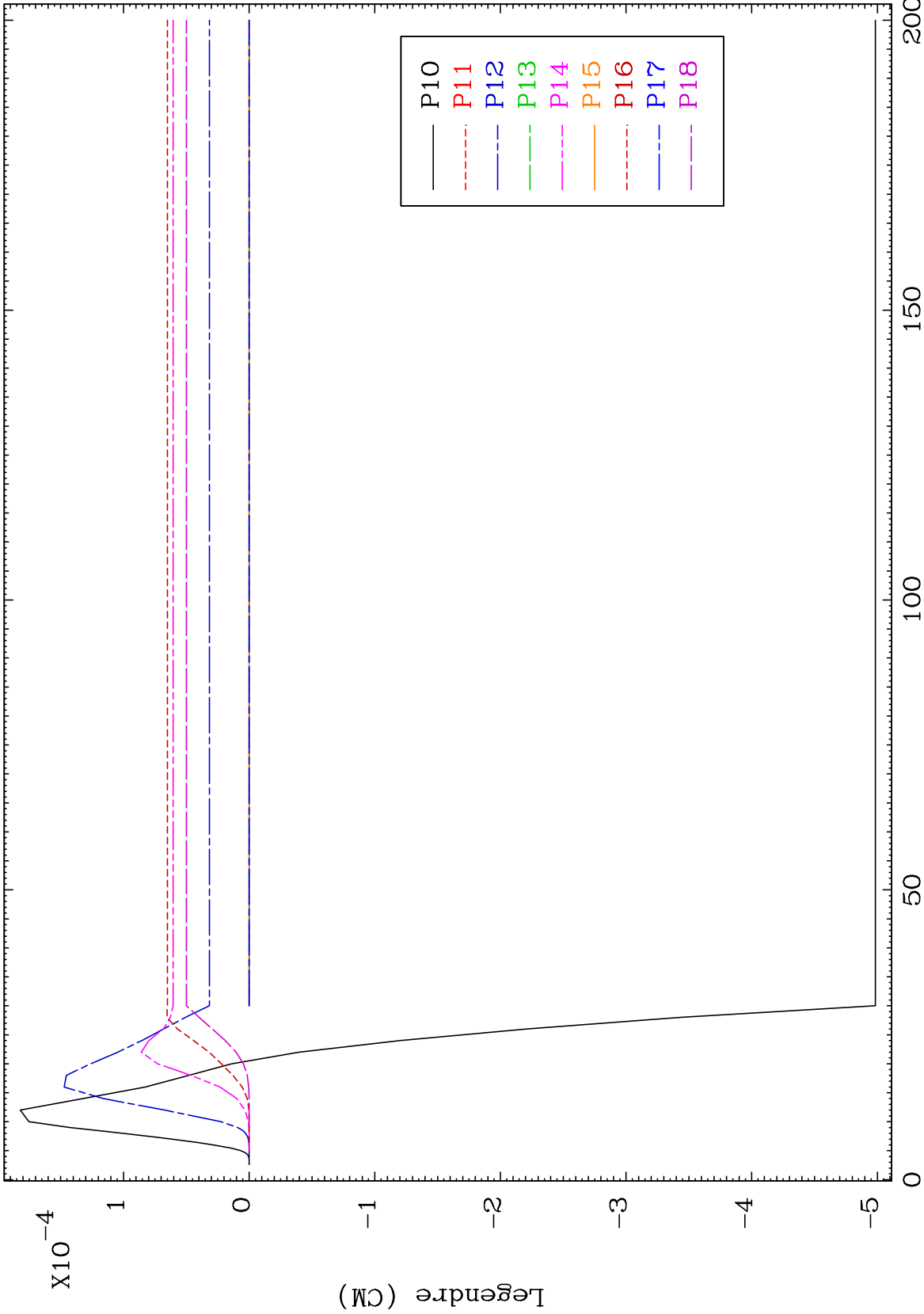
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209

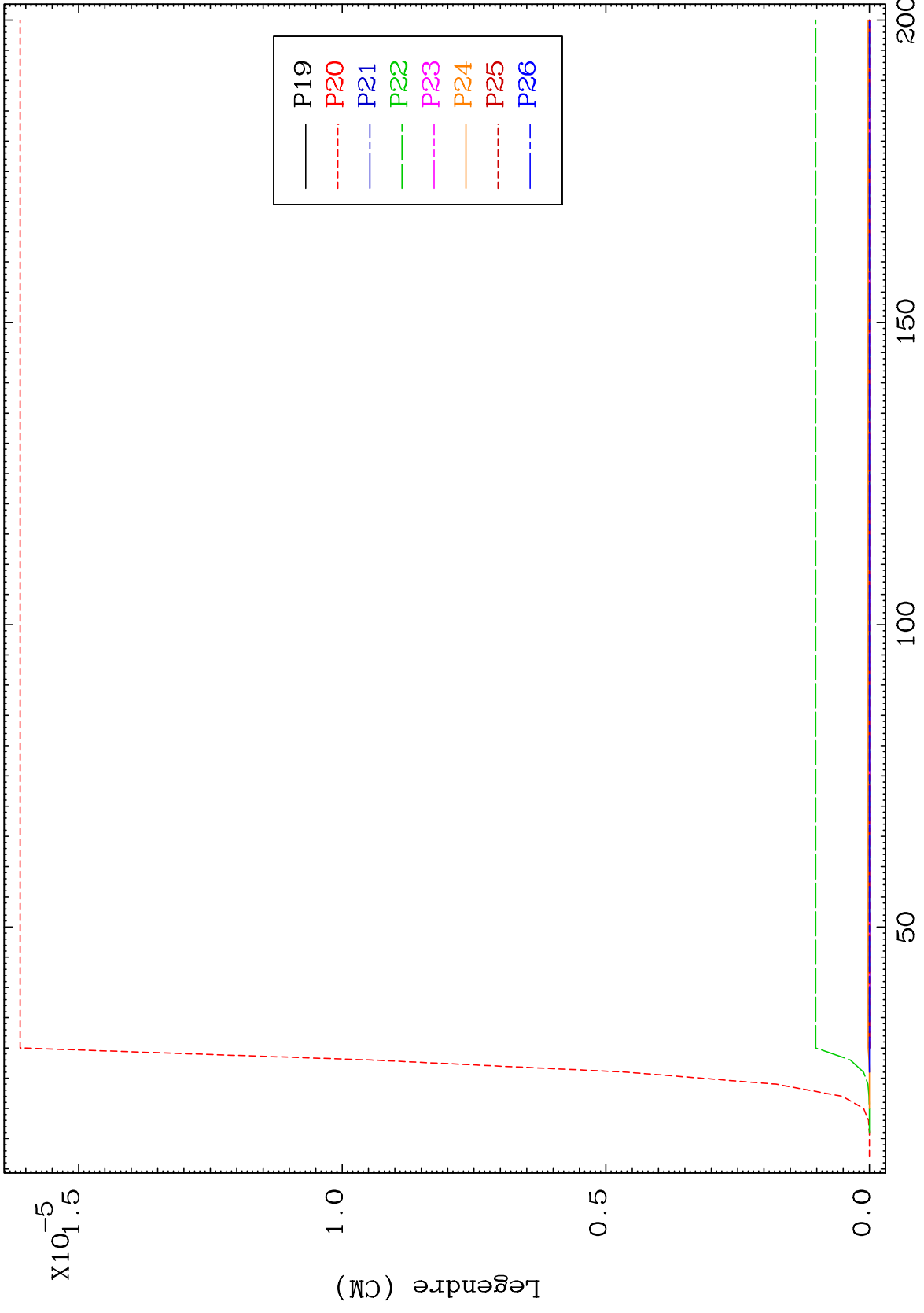


38

Incident Energy (MeV)

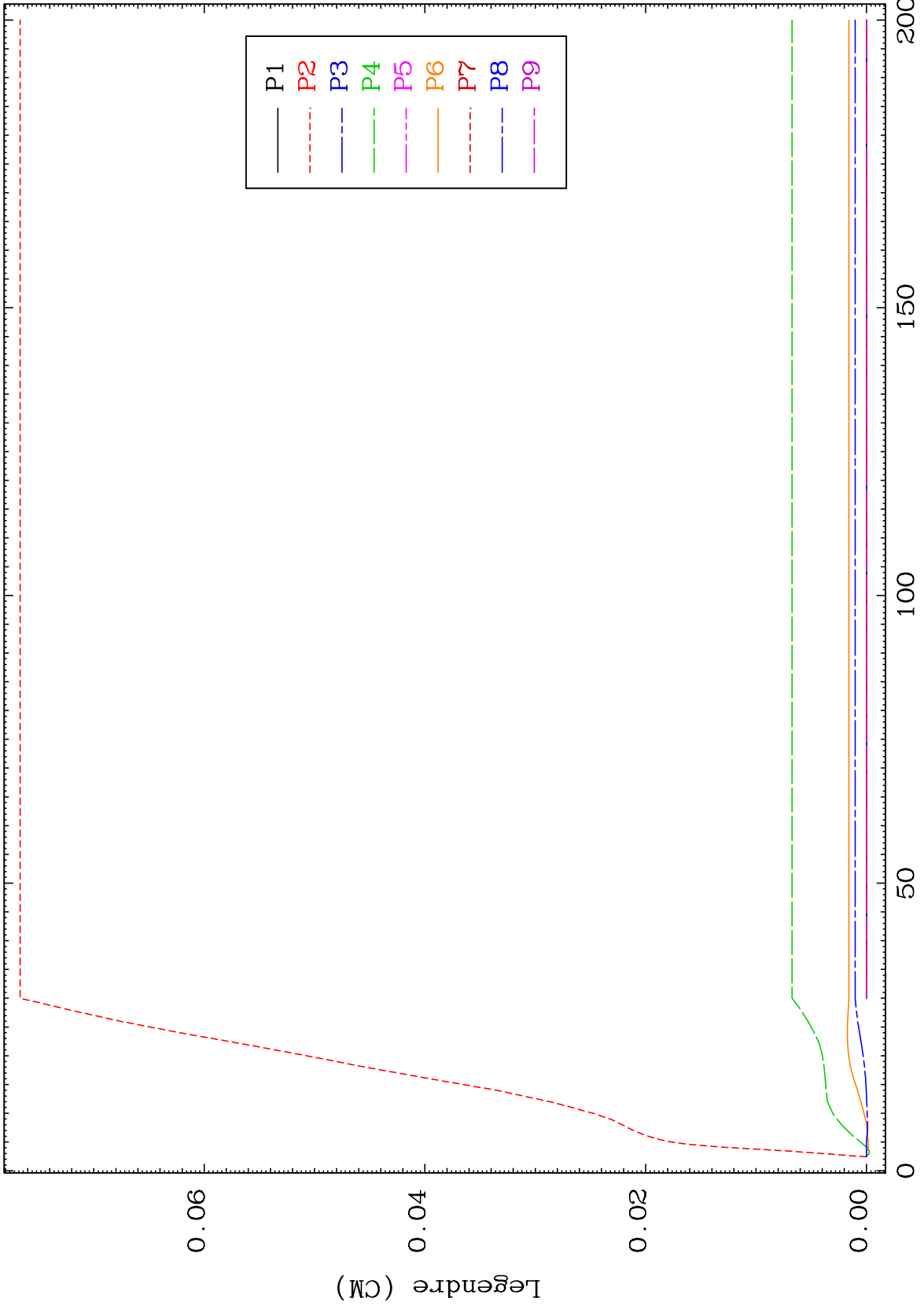
82-Pb-209

MAT 8240 MT= 56 (n,n') Level Legendre Coefficients 82-Pb-209



39 Incident Energy (MeV) 82-Pb-209

MAT 8240 MT= 57 (n,n') Level Legendre Coefficients 82-Pb-209

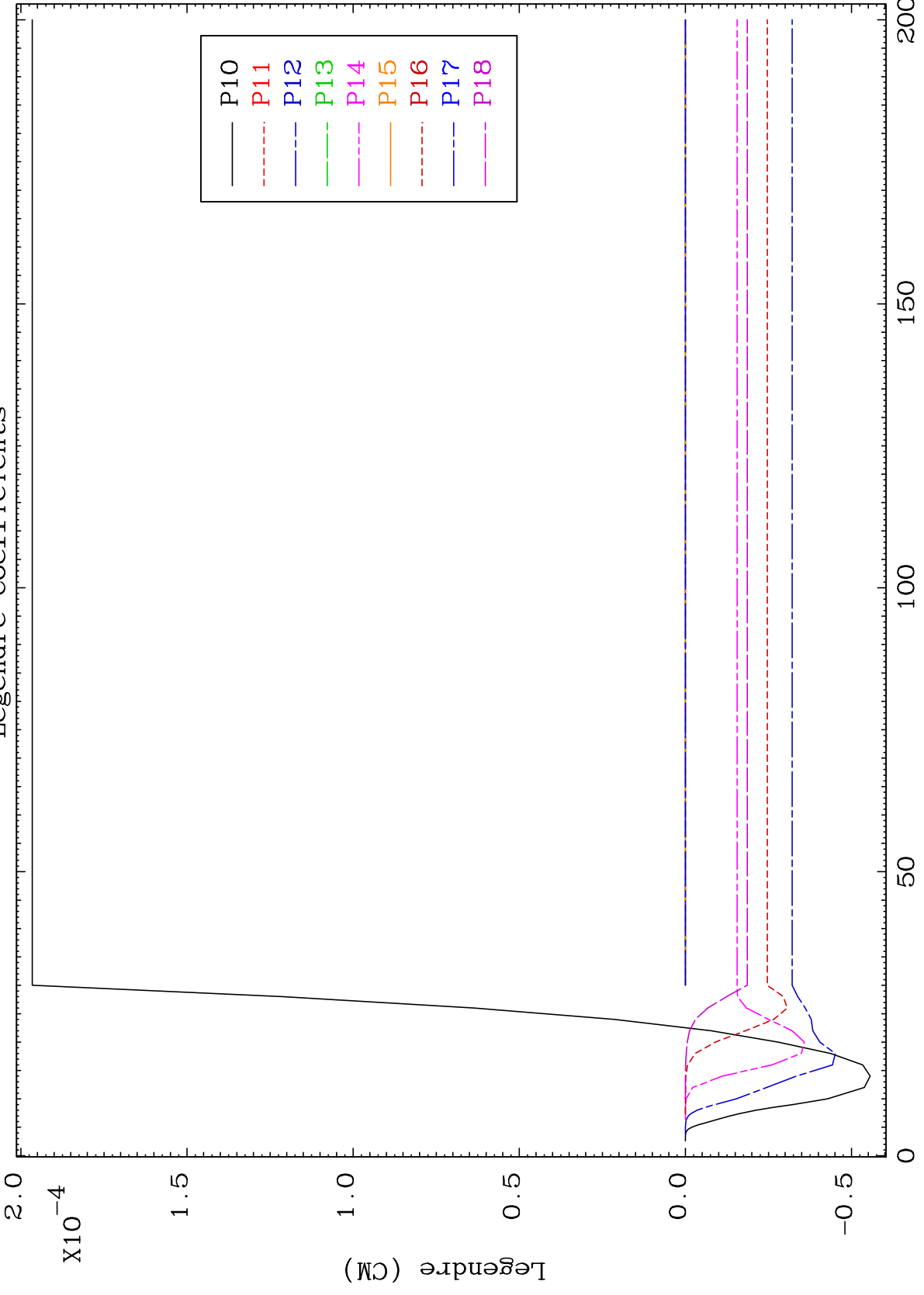


82-Pb-209

MAT 8240

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

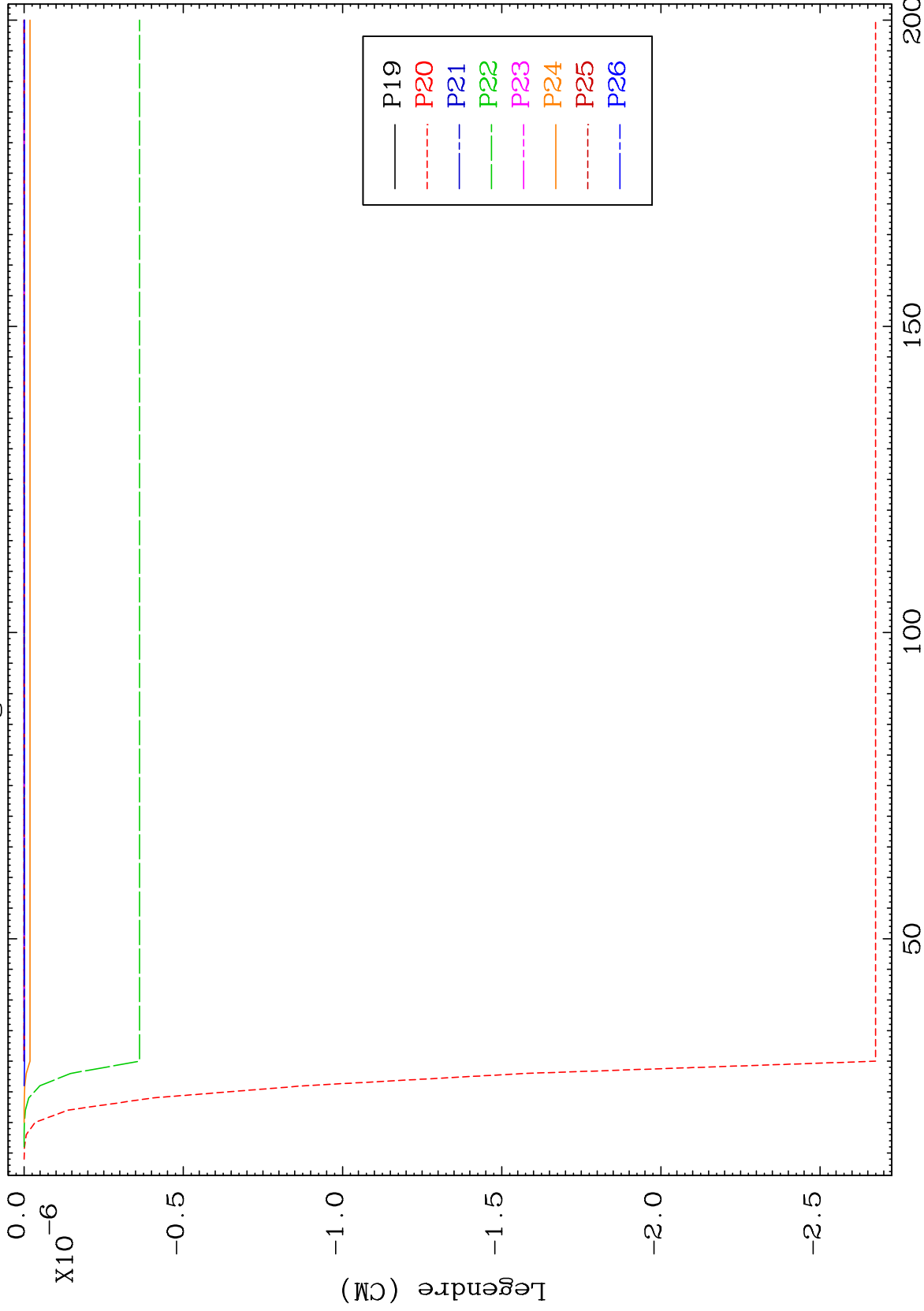
82-Pb-209



MAT 8240

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

82-Pb-209



42

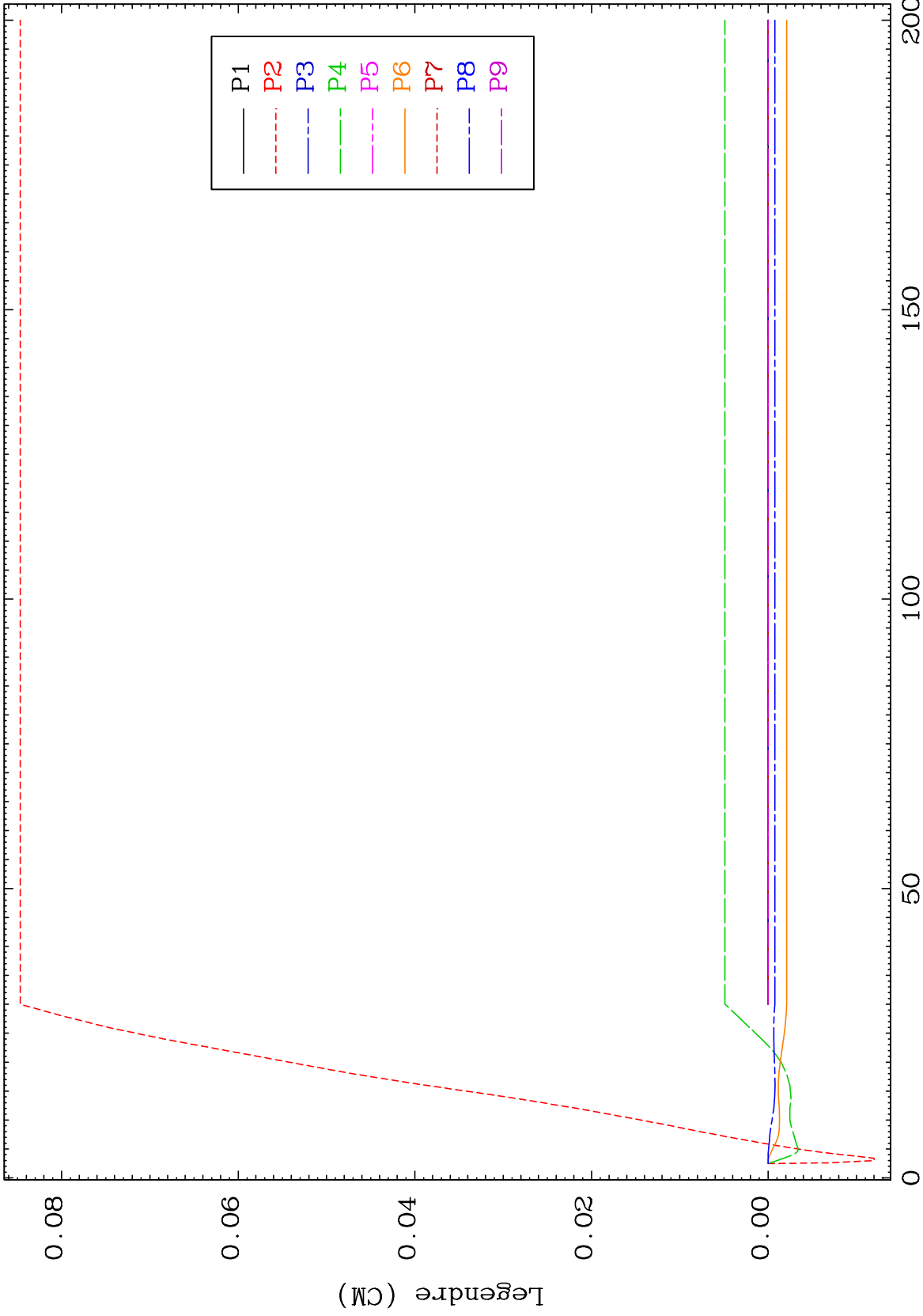
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



43

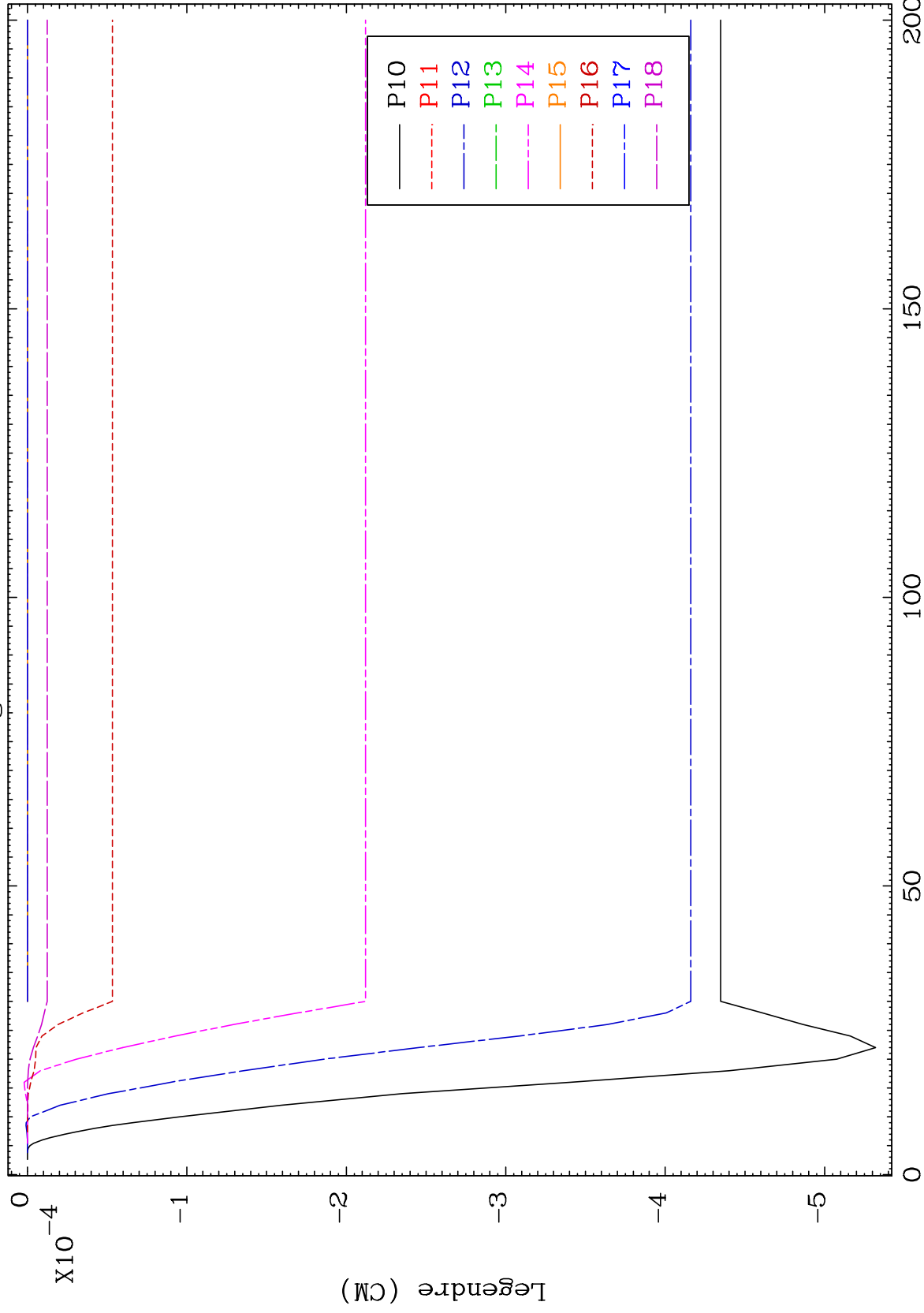
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



82-Pb-209

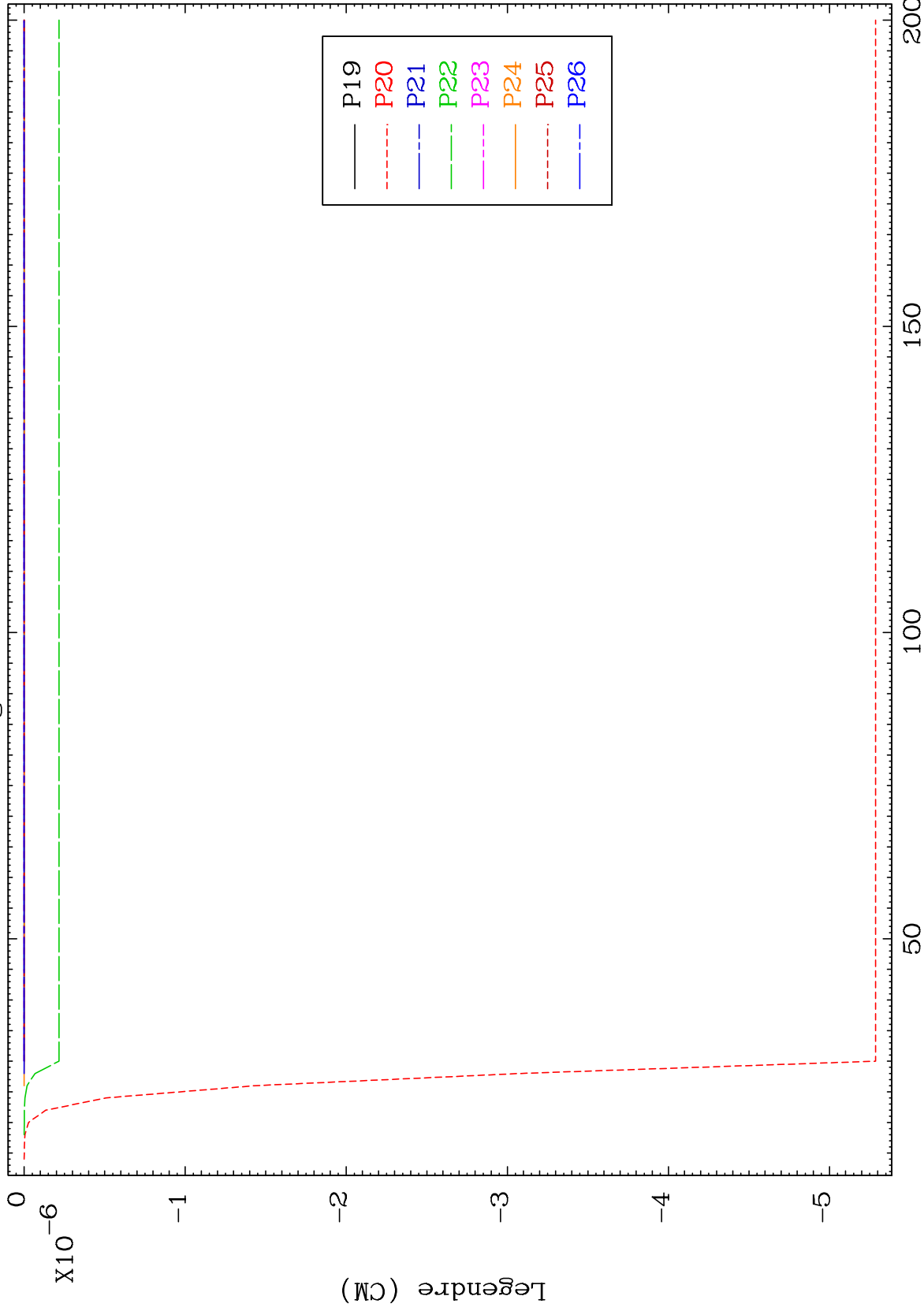
Incident Energy (MeV)

44

MAT 8240

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

82-Pb-209

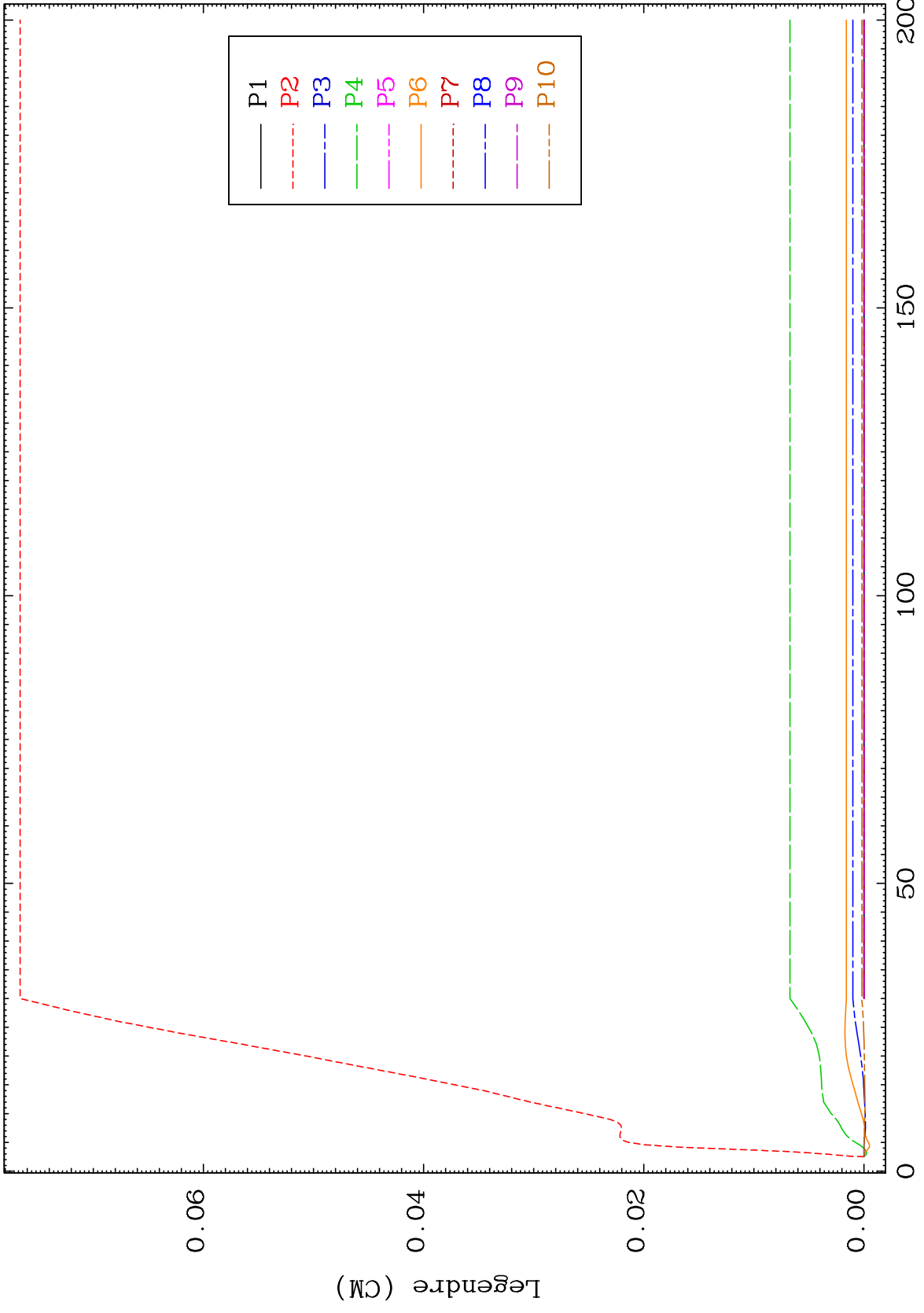


82-Pb-209

Incident Energy (MeV)

45

MAT 8240 MT= 59 (n,n') Level Legendre Coefficients 82-Pb-209

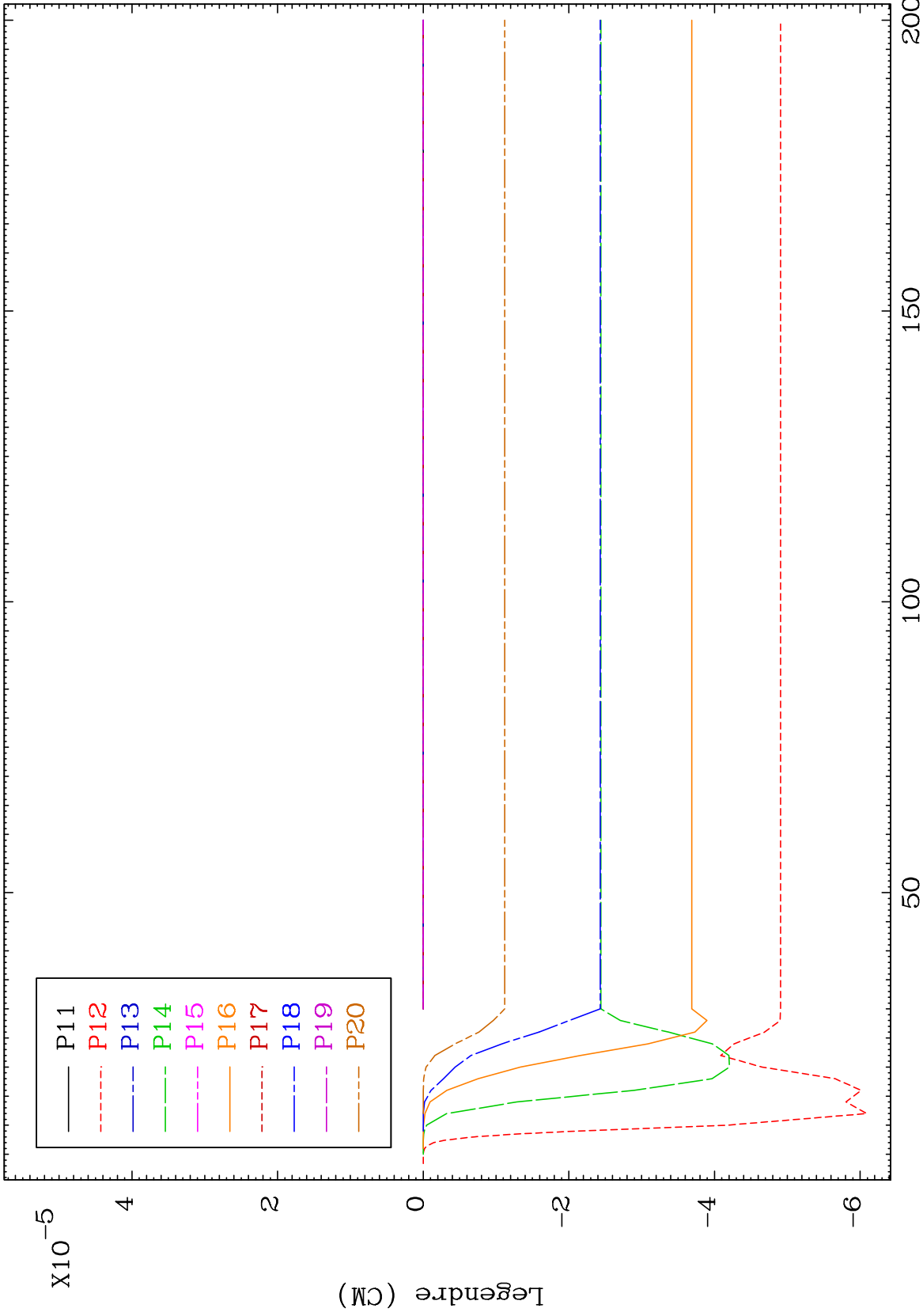


46 82-Pb-209

MAT 8240

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

82-Pb-209

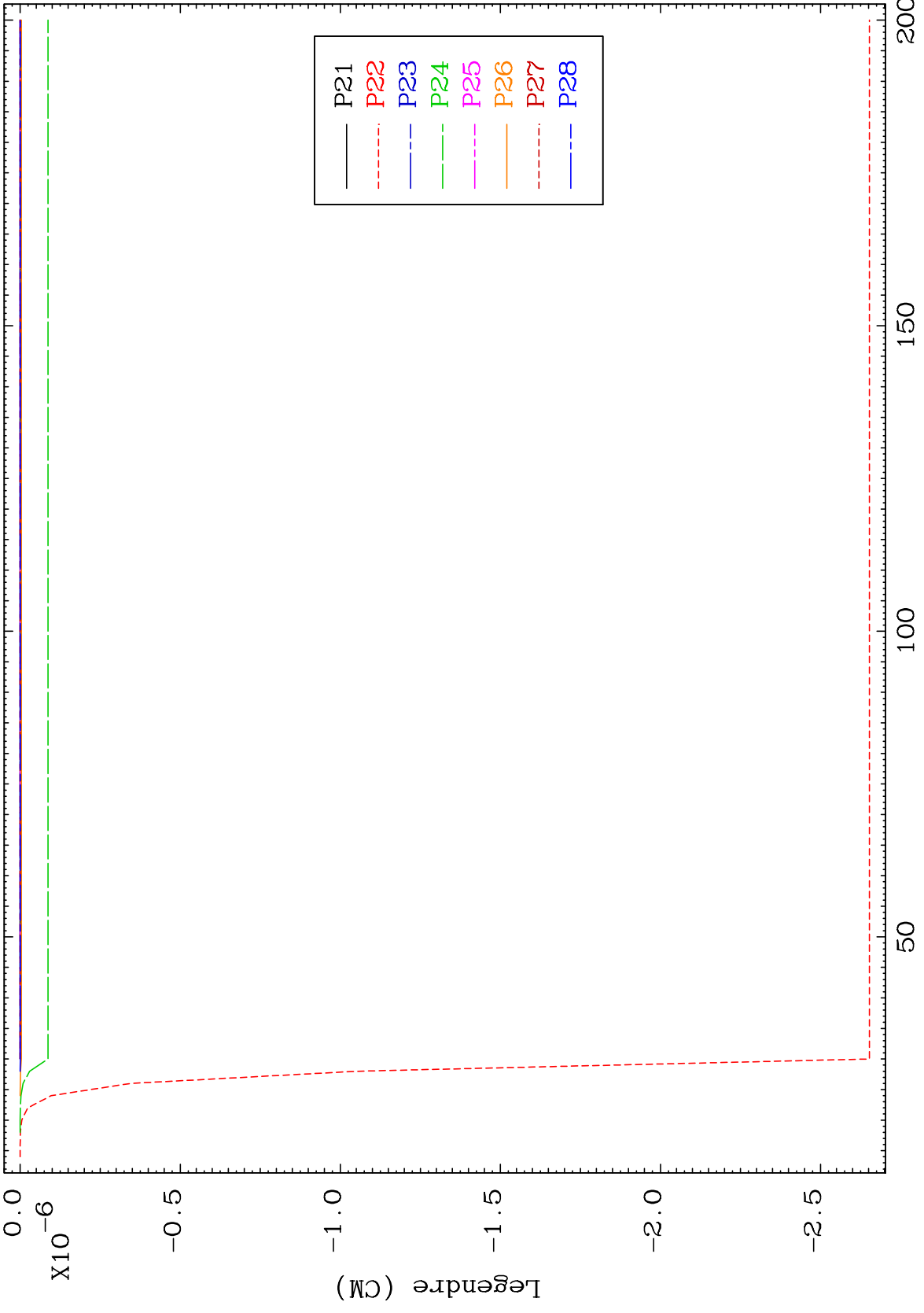


47

82-Pb-209

200

MAT 8240 MT= 59 (n, n') Level Legendre Coefficients 82-Pb-209

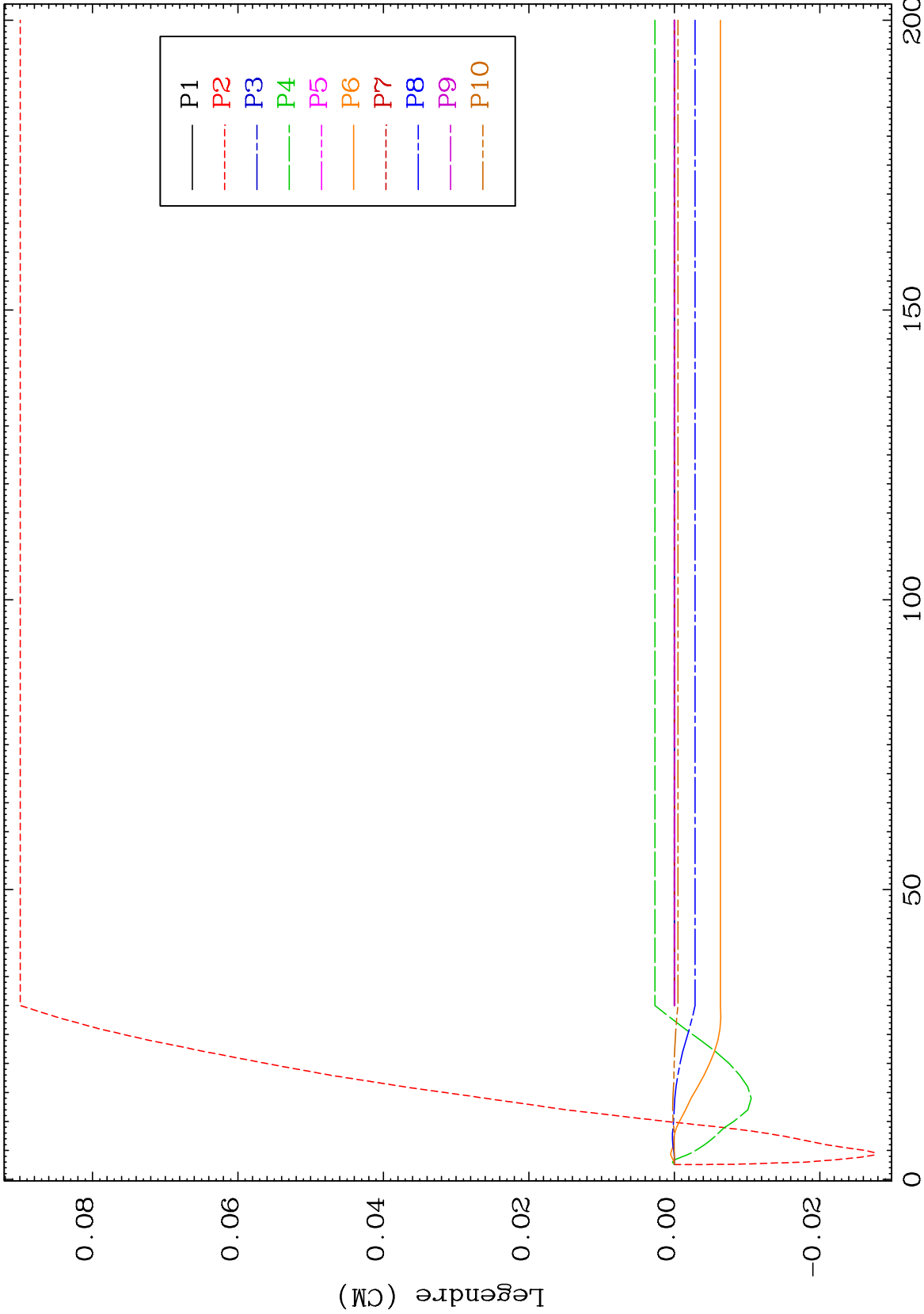


48 Incident Energy (MeV) 82-Pb-209

MAT 8240

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

82-Pb-209



49

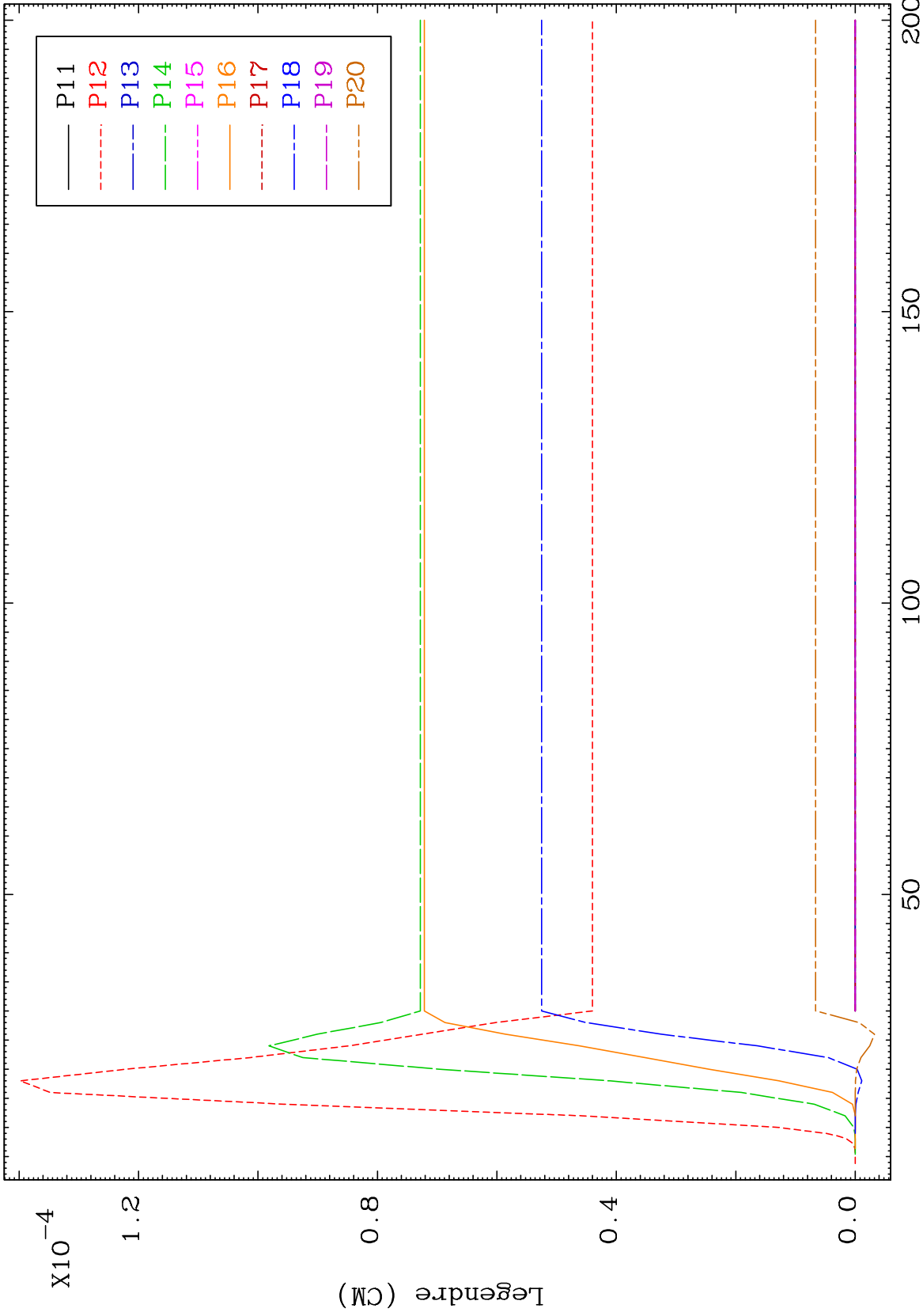
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



50

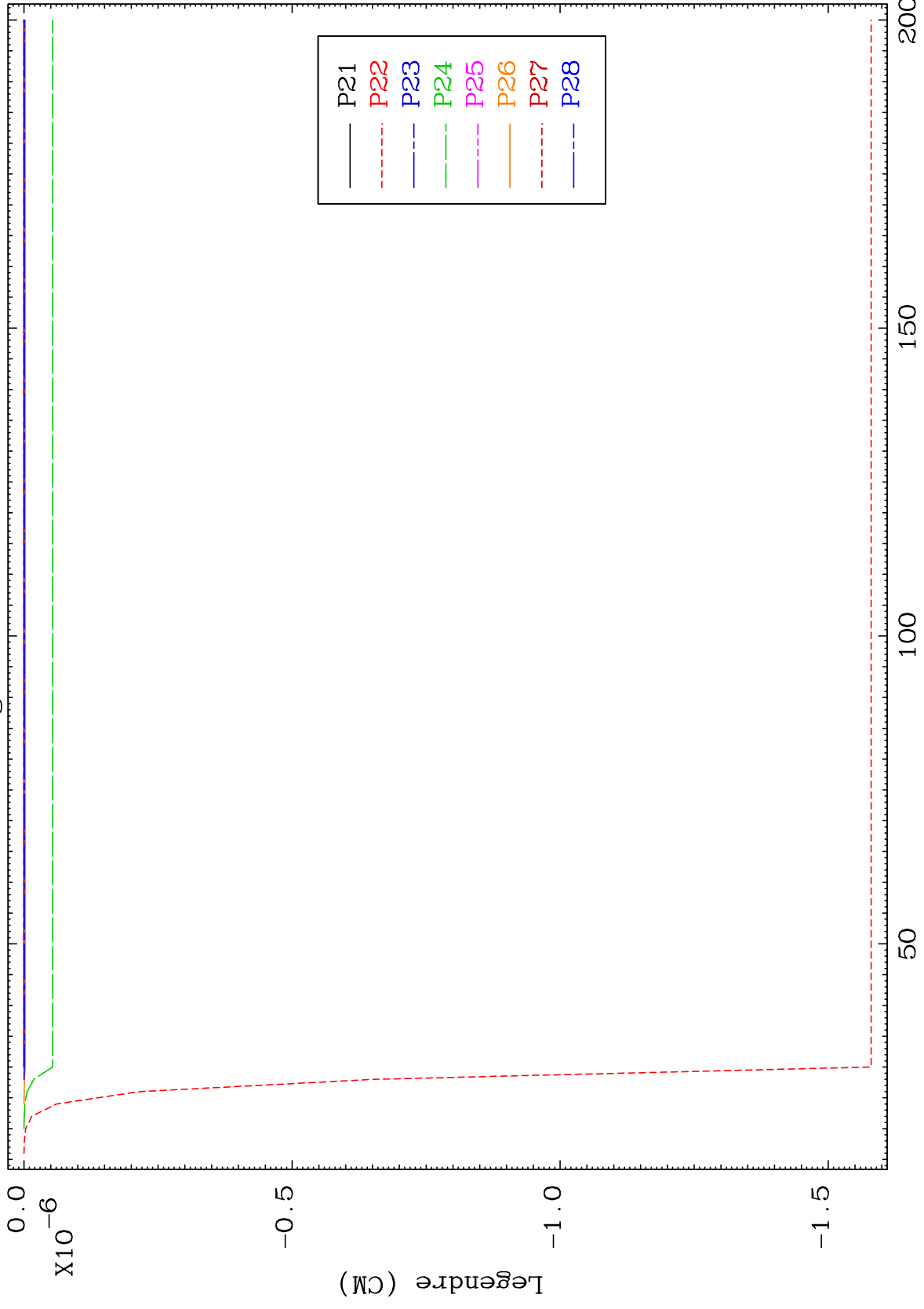
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



82-Pb-209

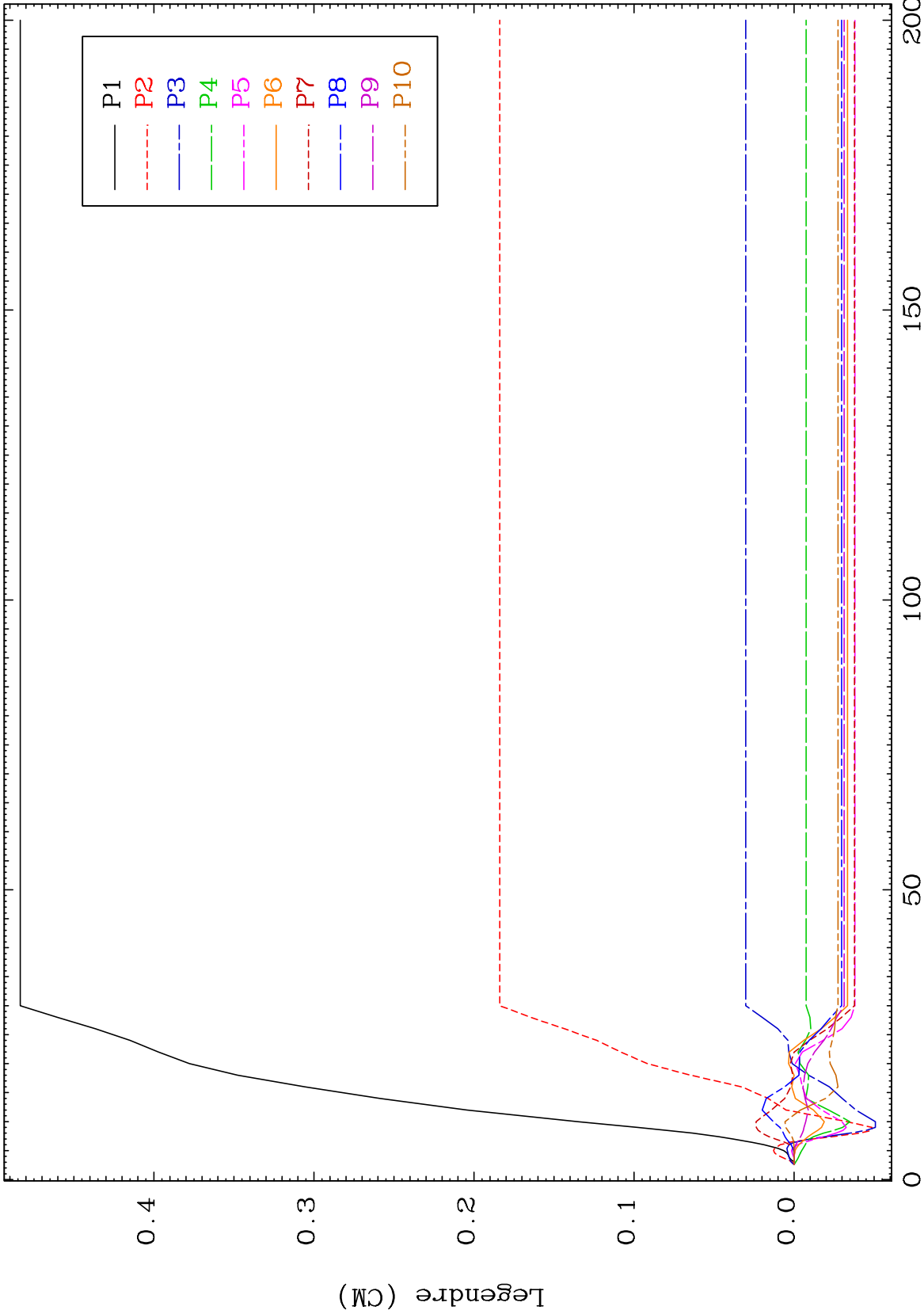
Incident Energy (MeV)

51

MAT 8240

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

82-Pb-209



52

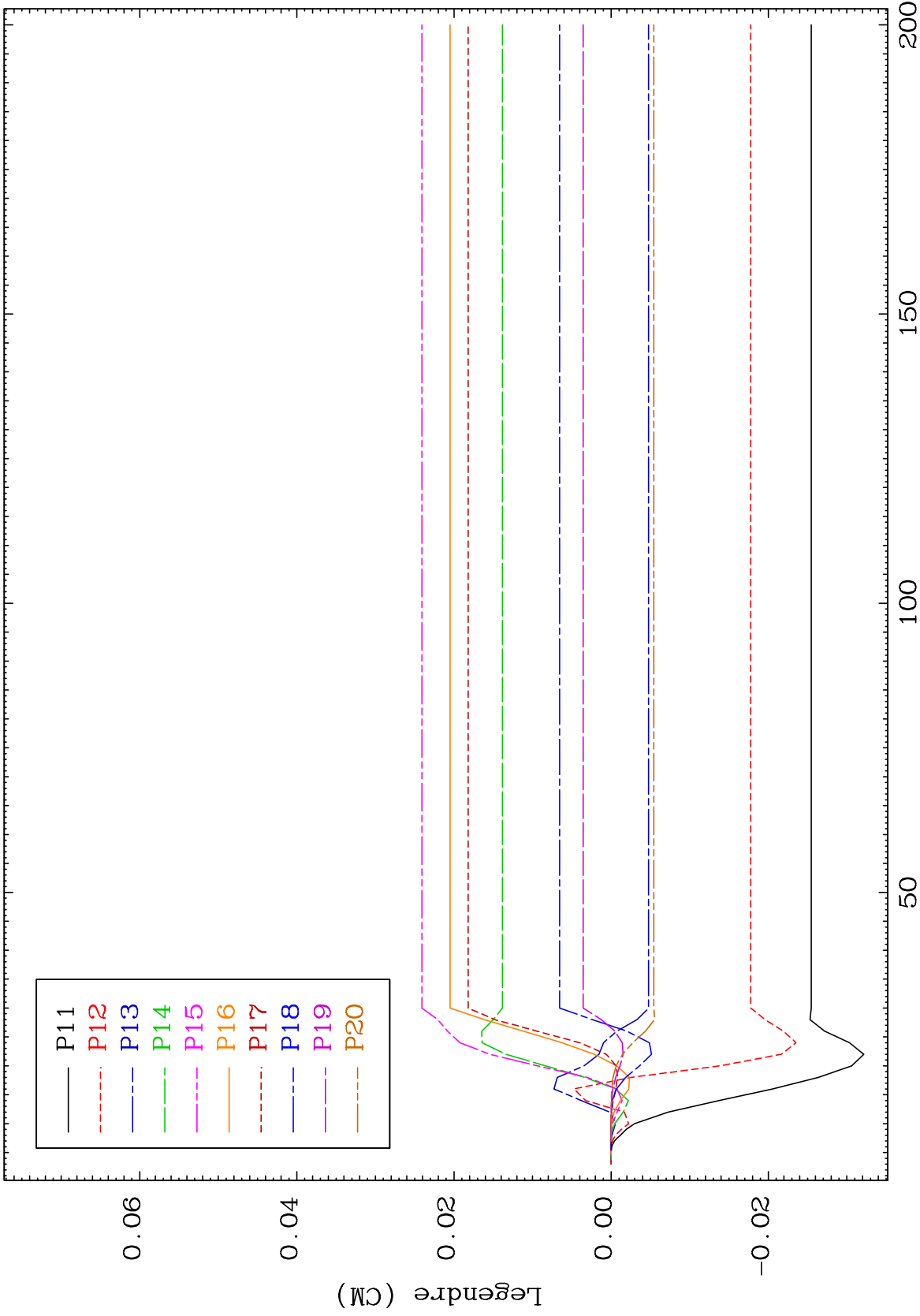
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



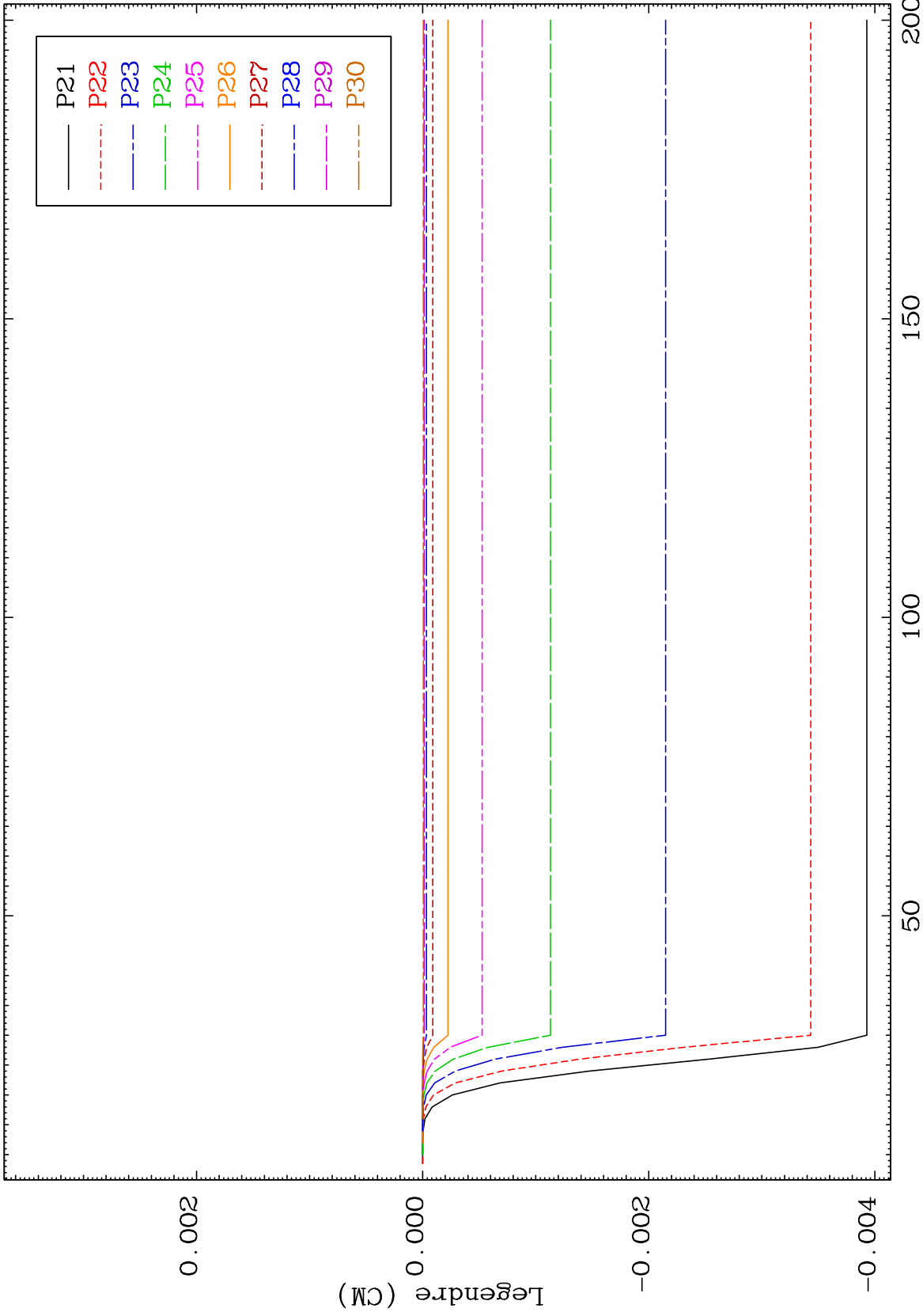
53

82-Pb-209

MAT 8240

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

82-Pb-209



54

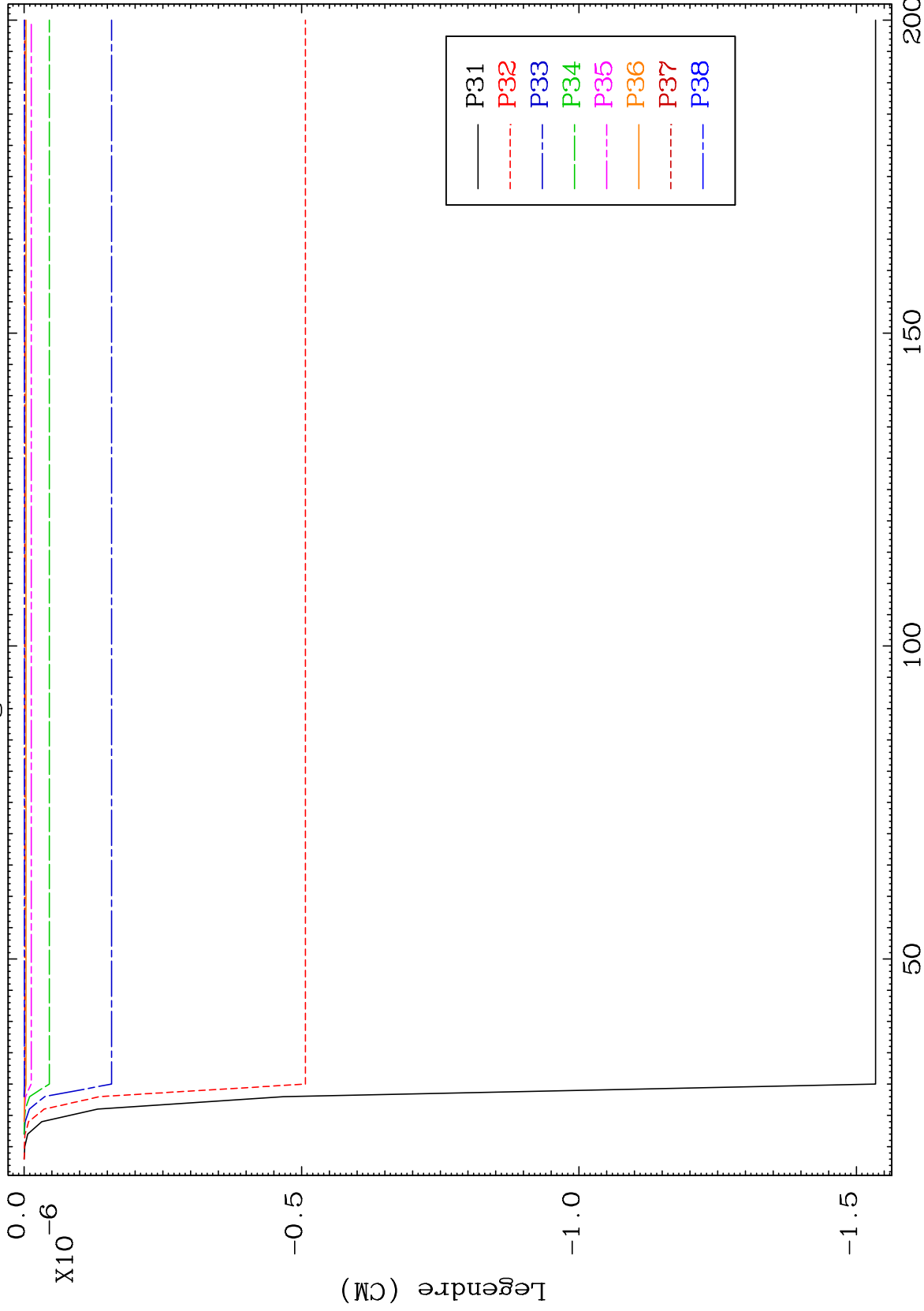
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



82-Pb-209

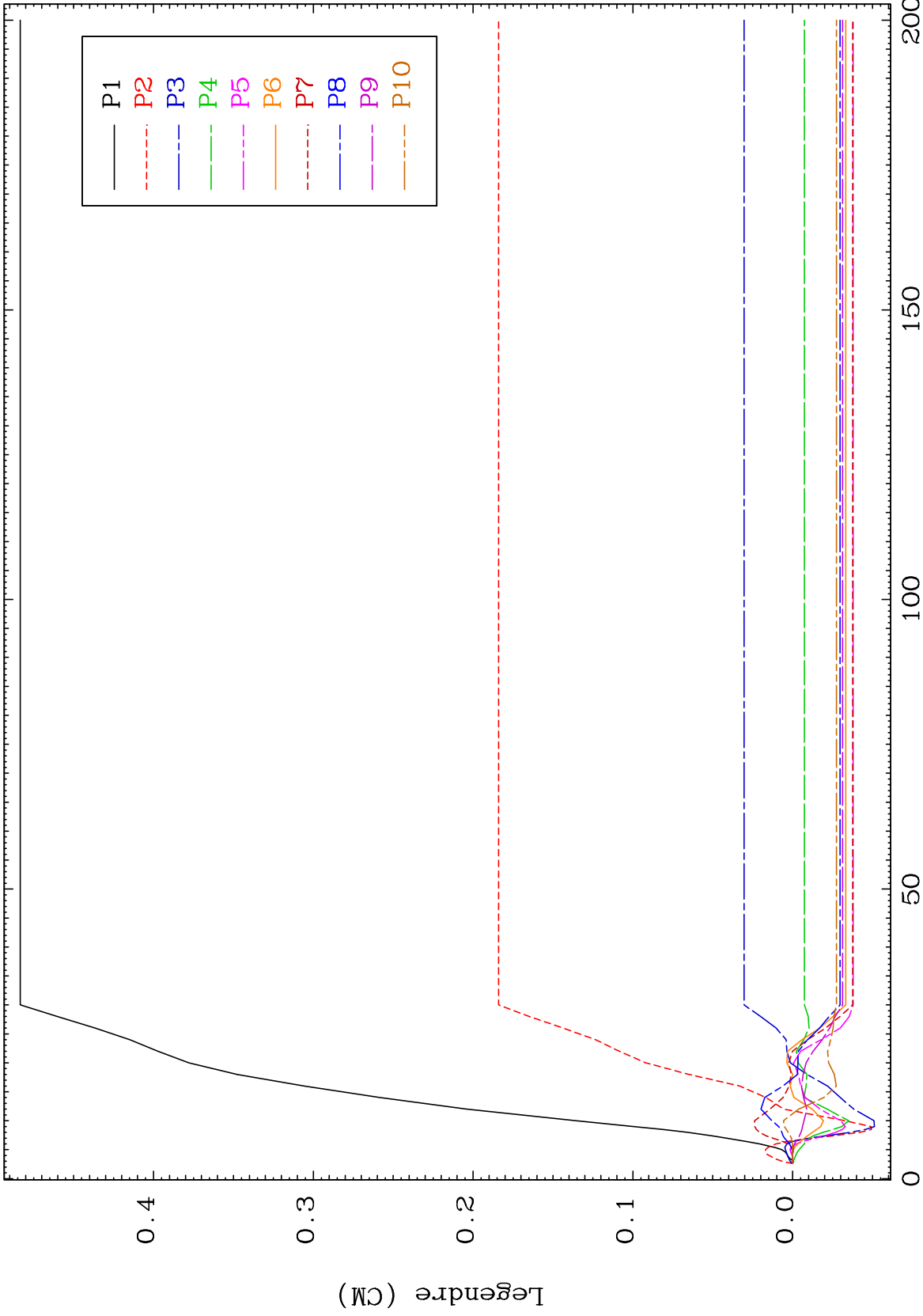
Incident Energy (MeV)

55

MAT 8240

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

82-Pb-209



56

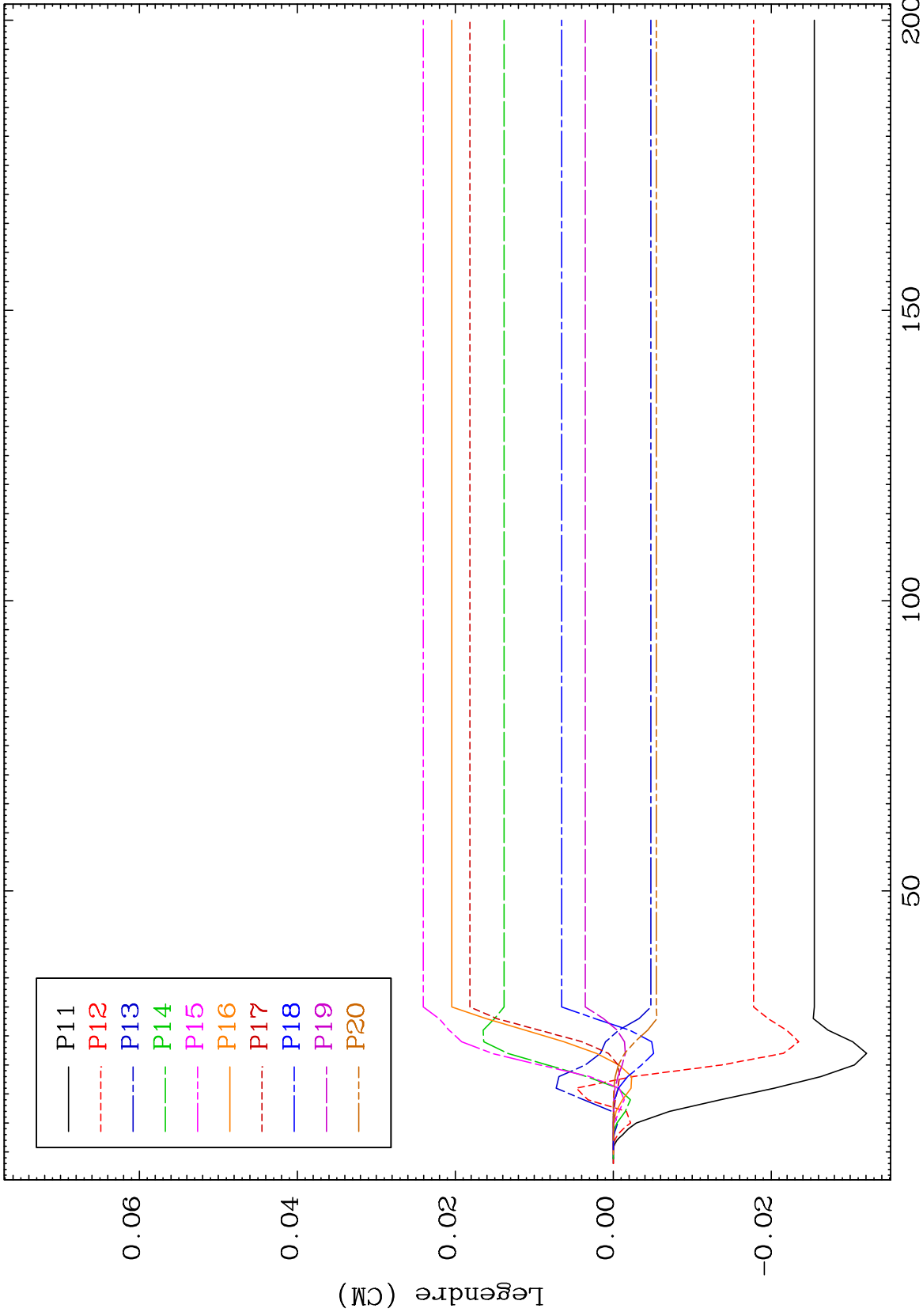
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



57

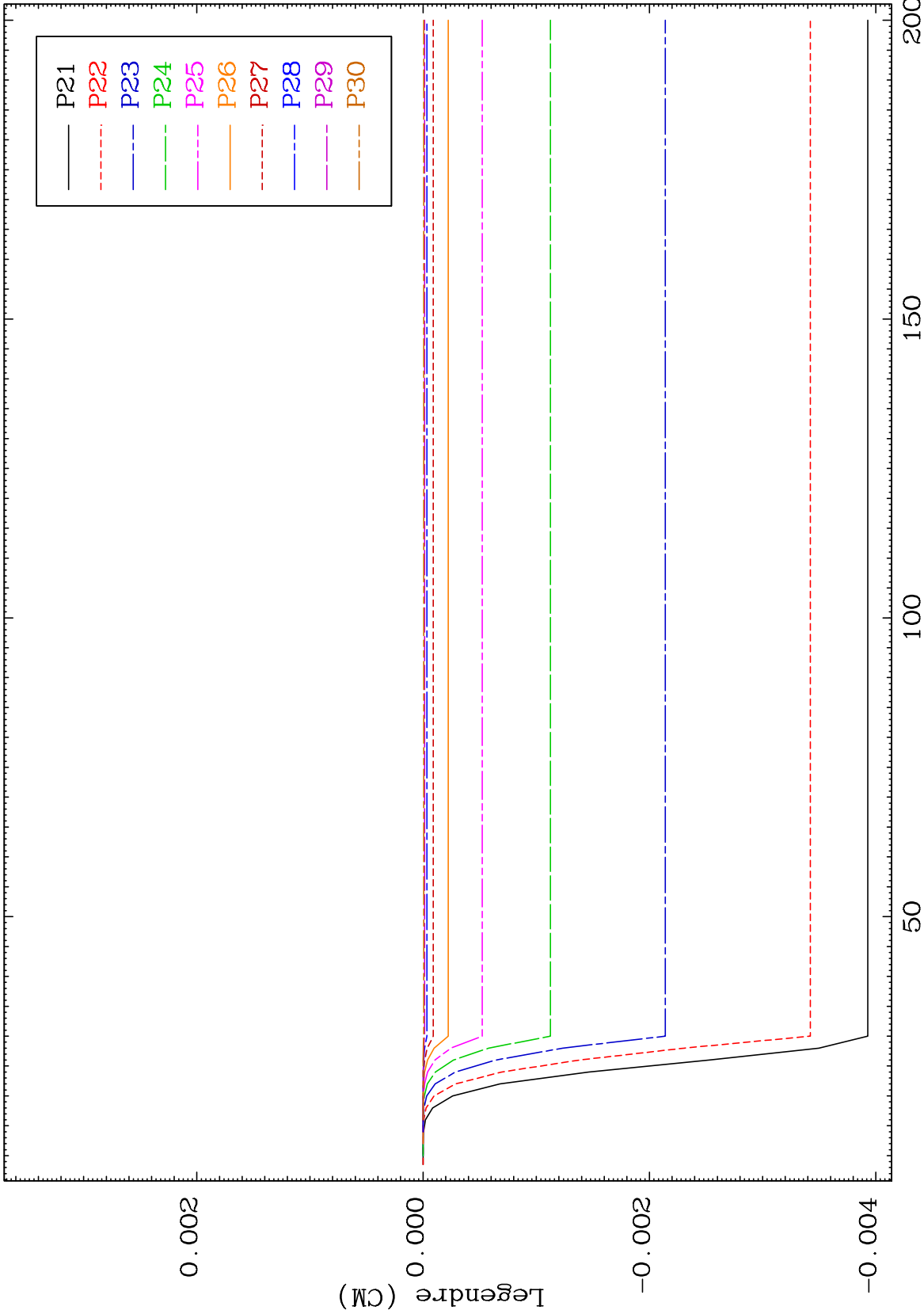
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



58

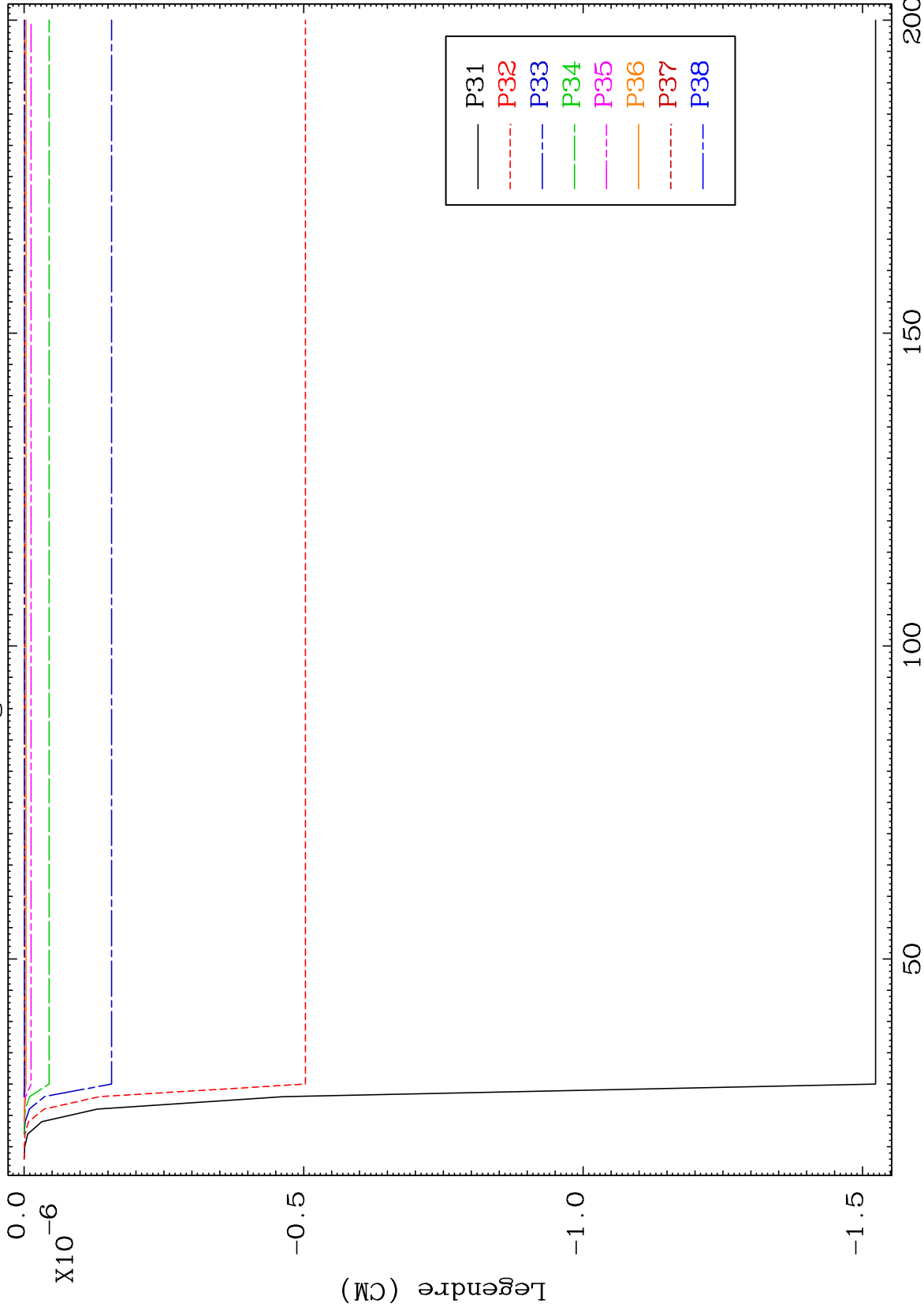
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



82-Pb-209

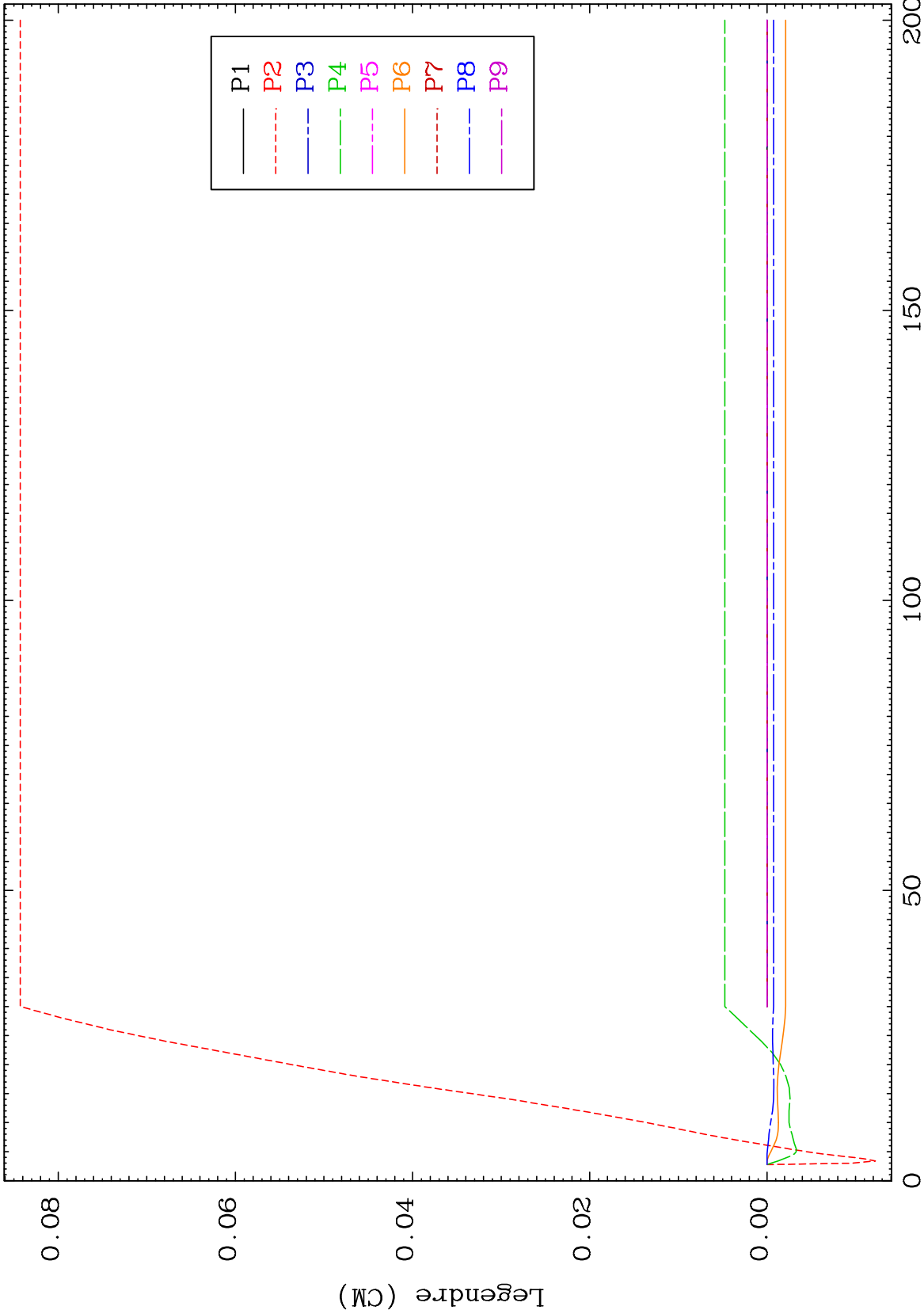
Incident Energy (MeV)

59

MAT 8240

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

82-Pb-209



82-Pb-209

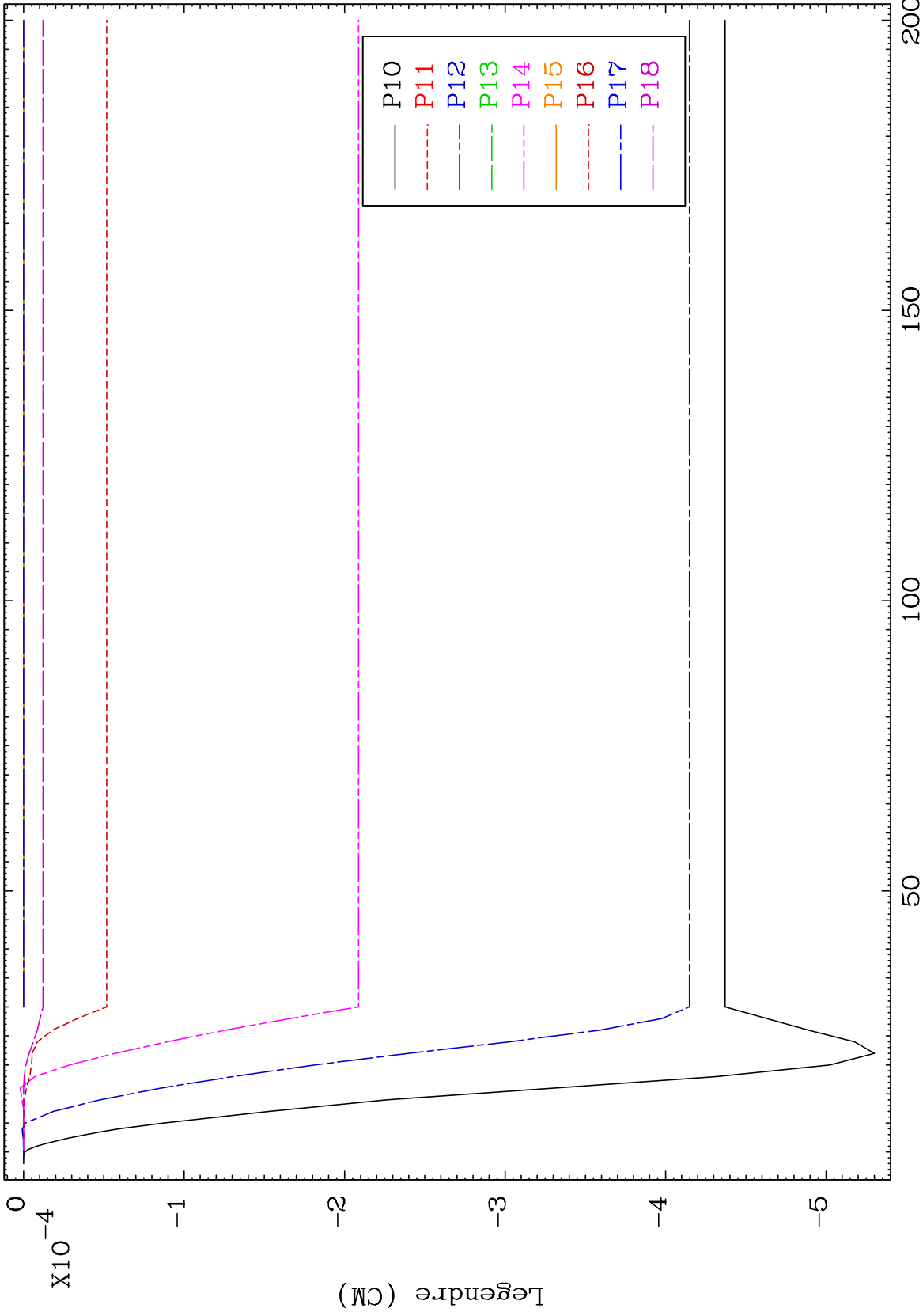
Incident Energy (MeV)

60

MAT 8240

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

82-Pb-209



61

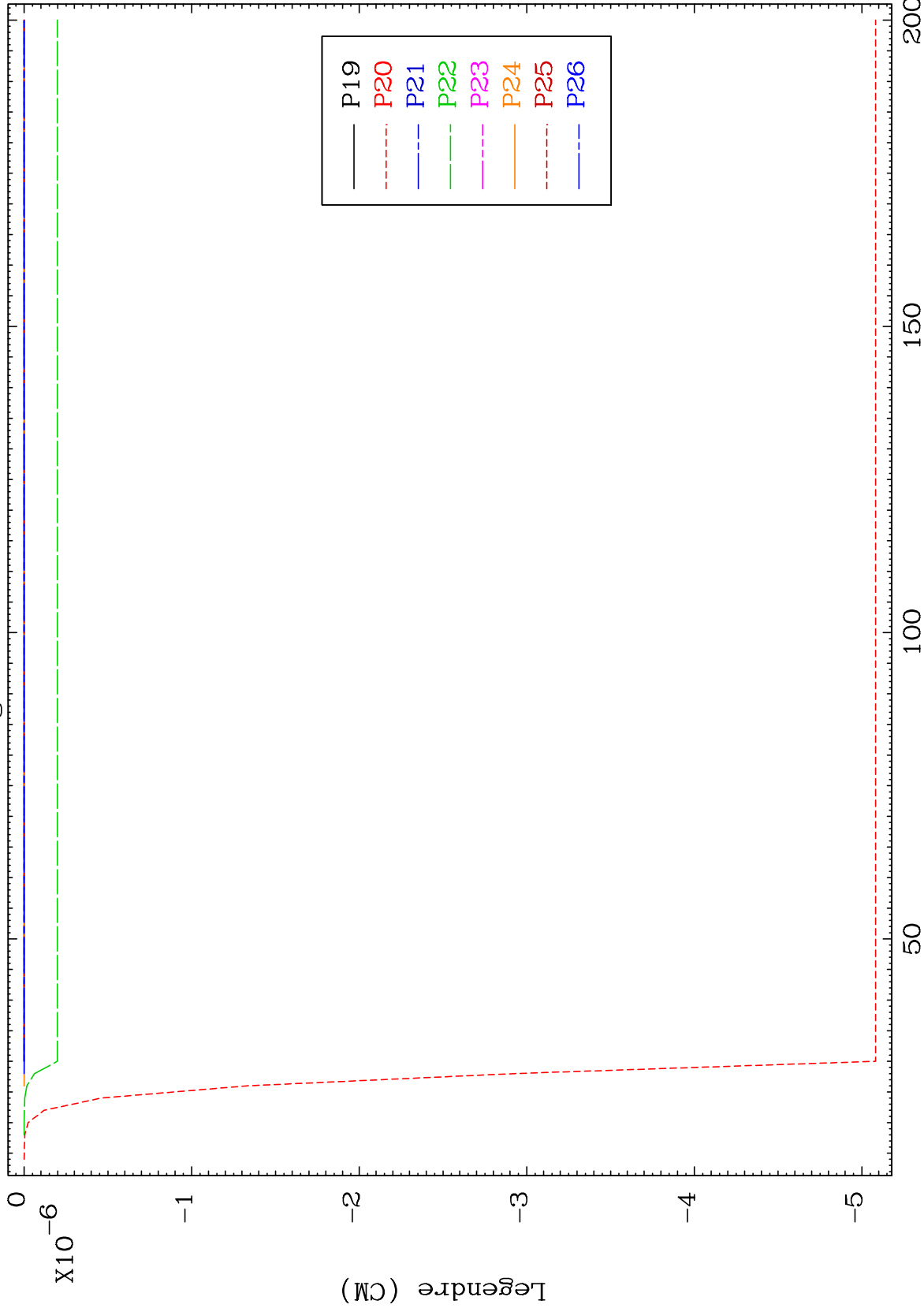
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



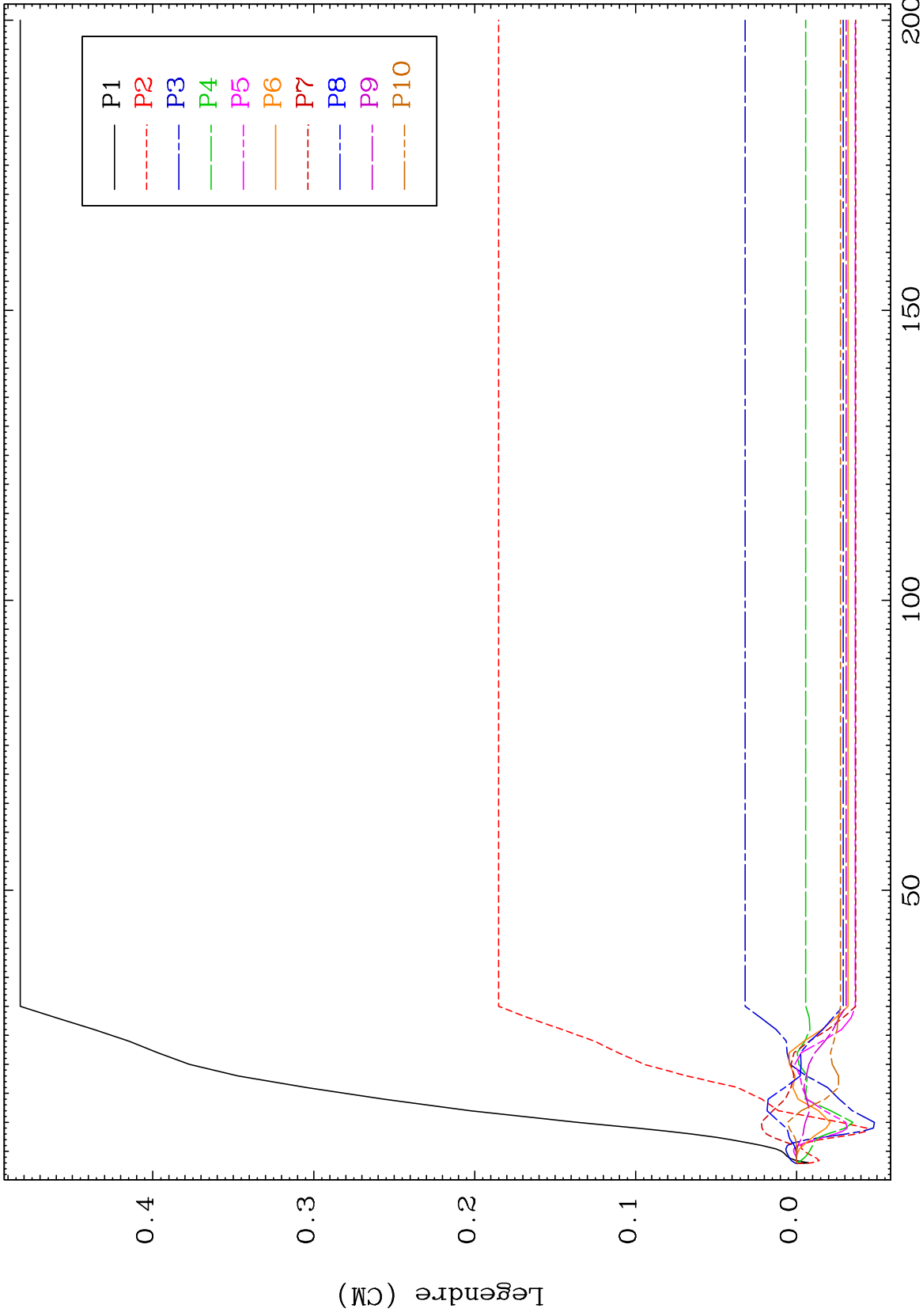
62

82-Pb-209

MAT 8240

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

82-Pb-209



63

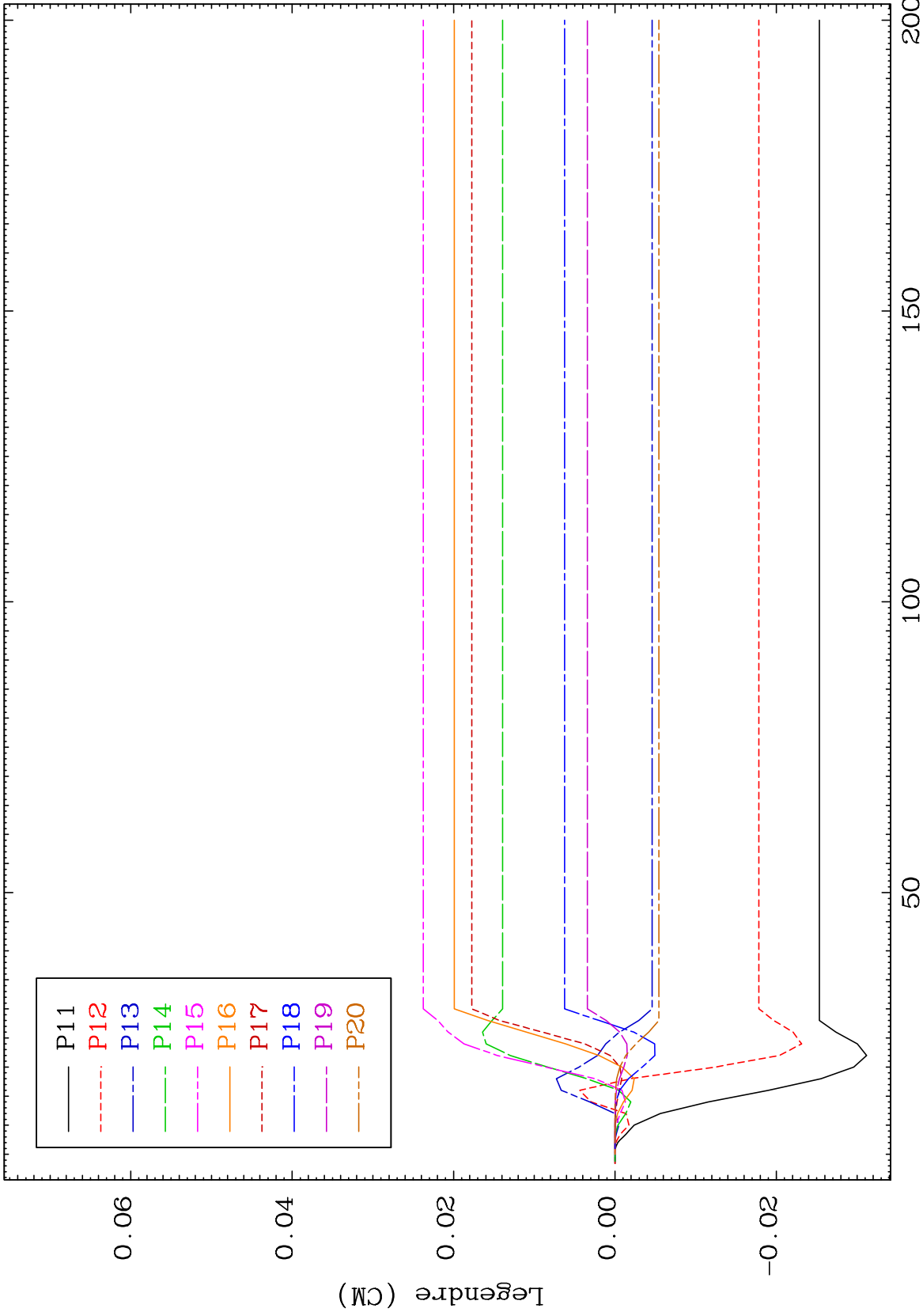
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



64

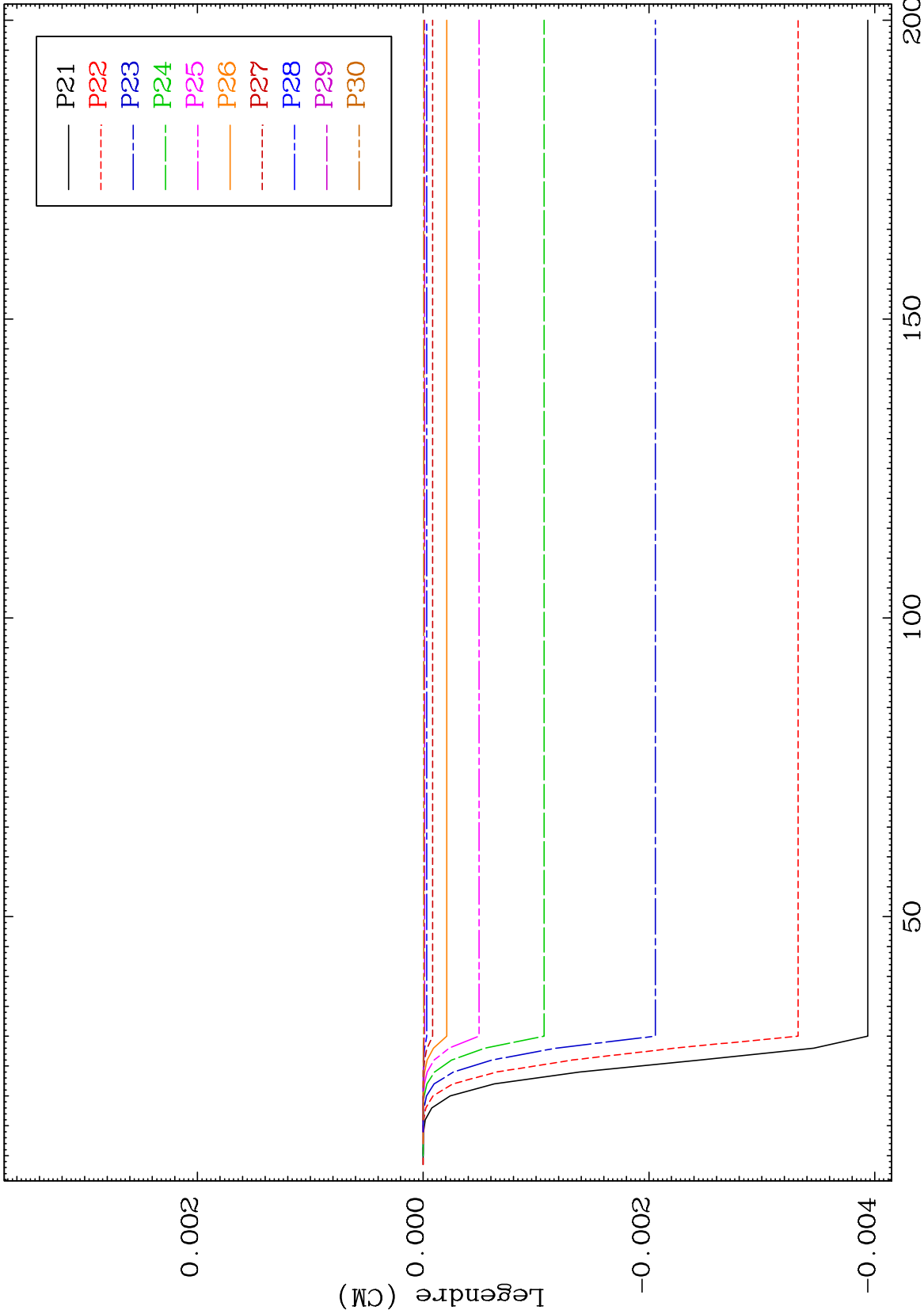
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



65

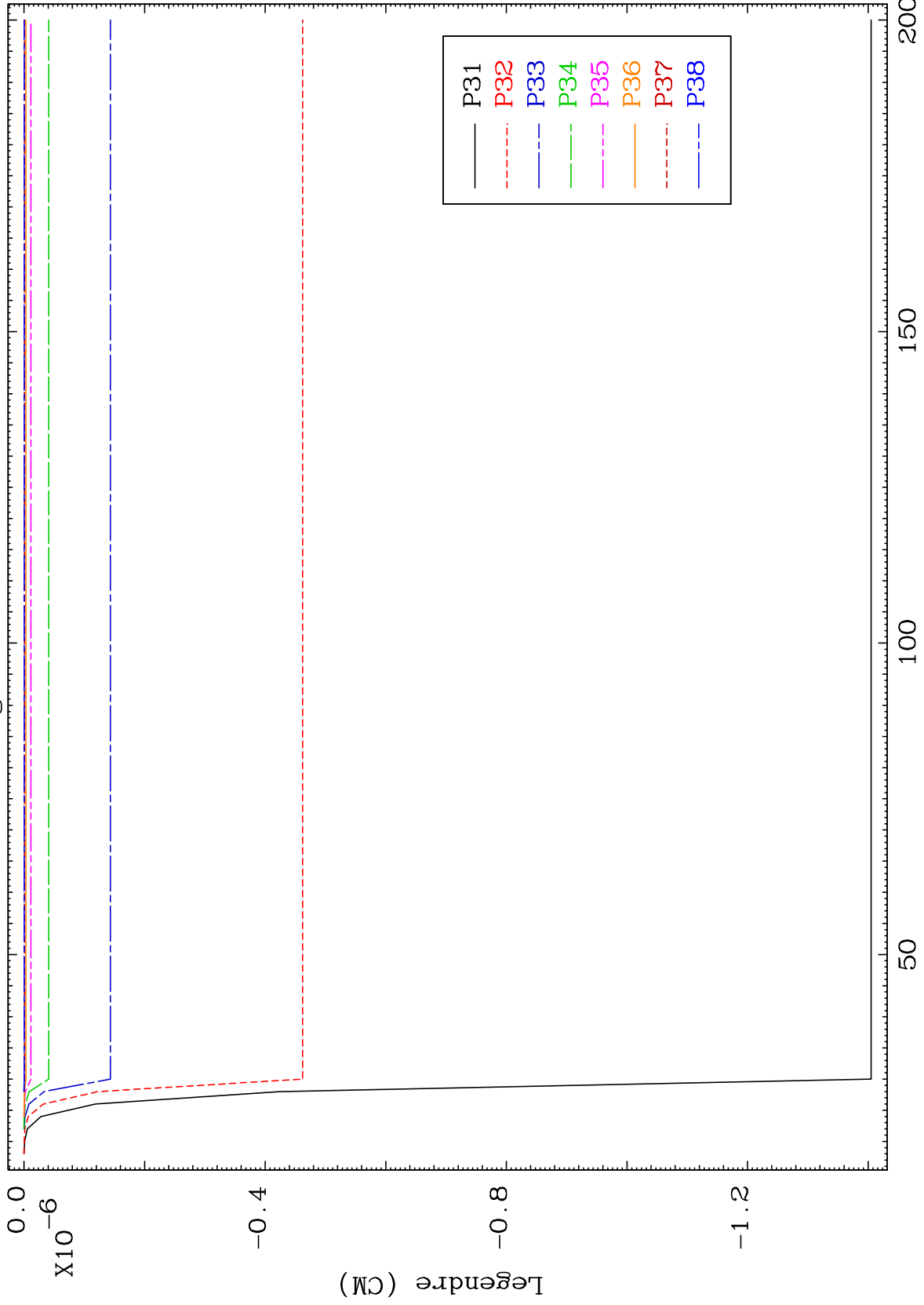
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



82-Pb-209

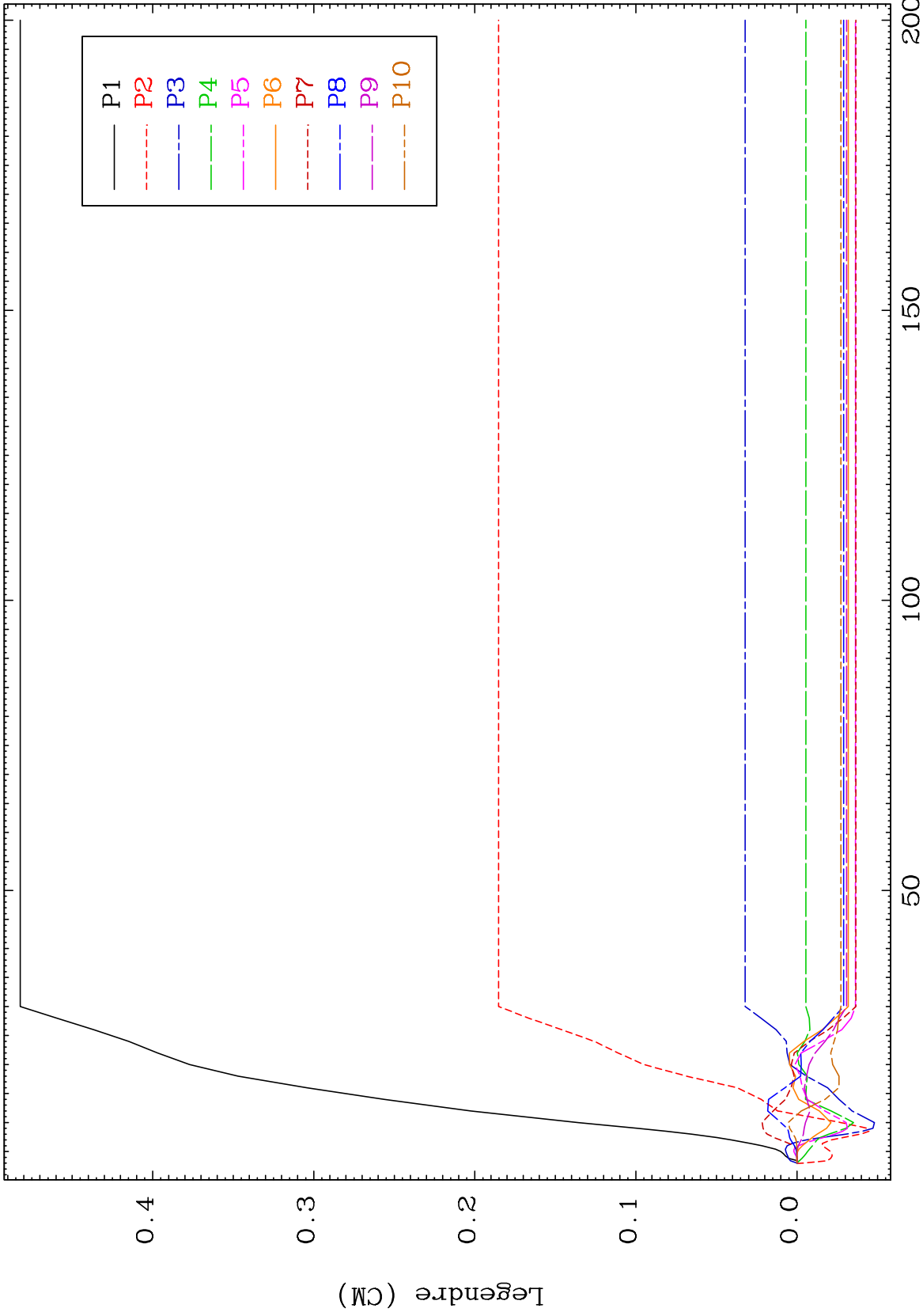
Incident Energy (MeV)

66

MAT 8240

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

82-Pb-209



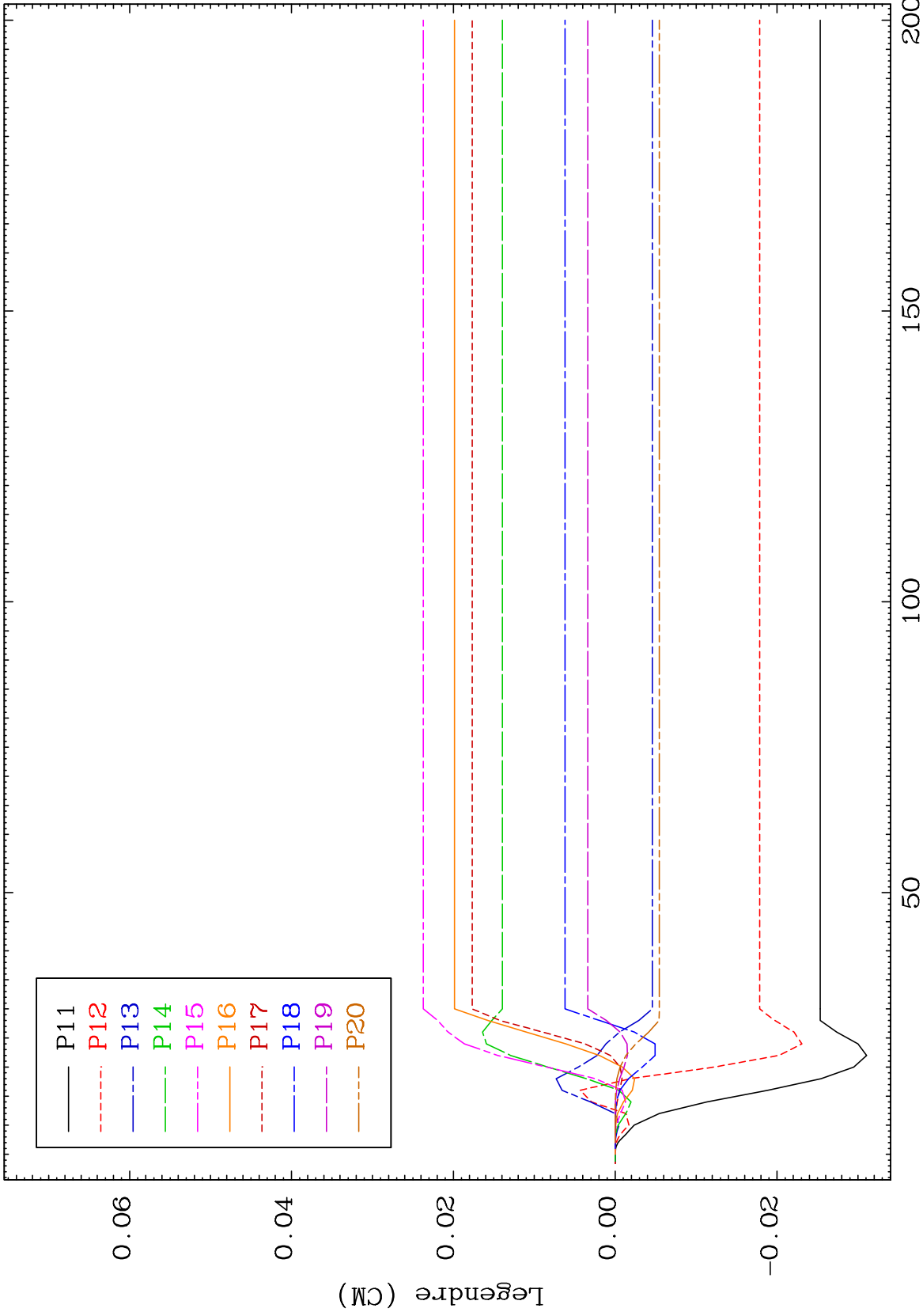
67

82-Pb-209

MAT 8240

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

82-Pb-209



68

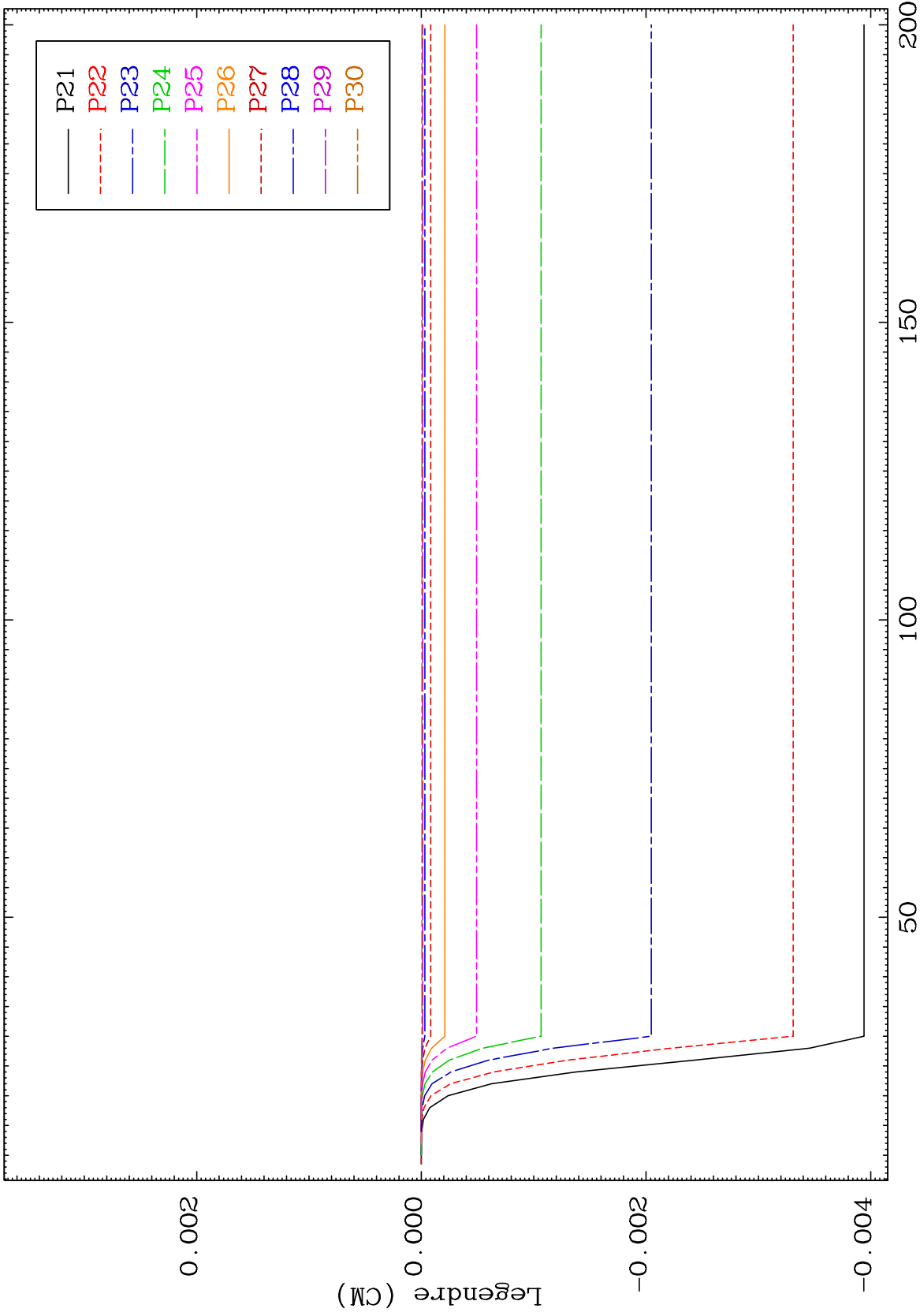
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



69

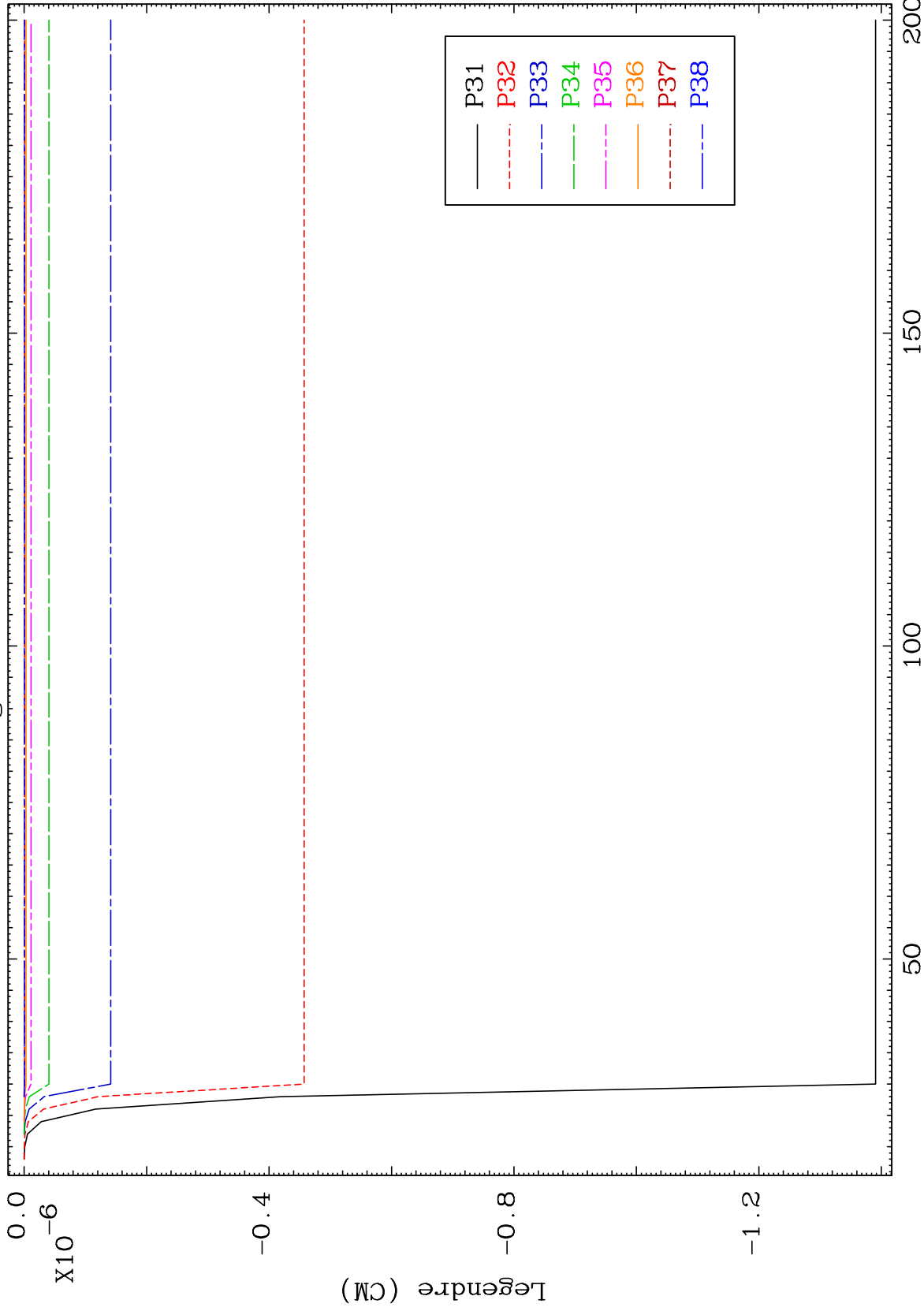
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209

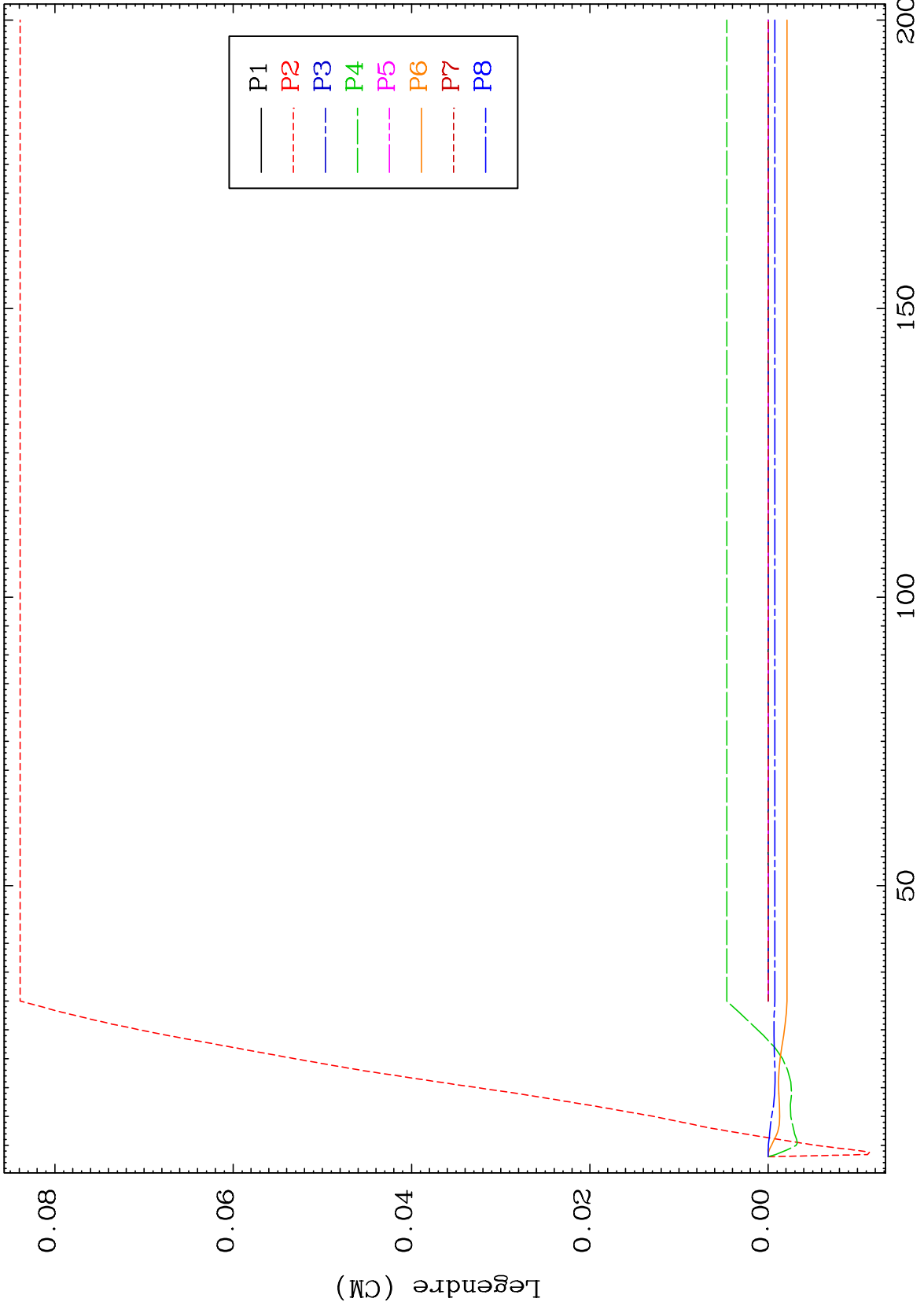


82-Pb-209

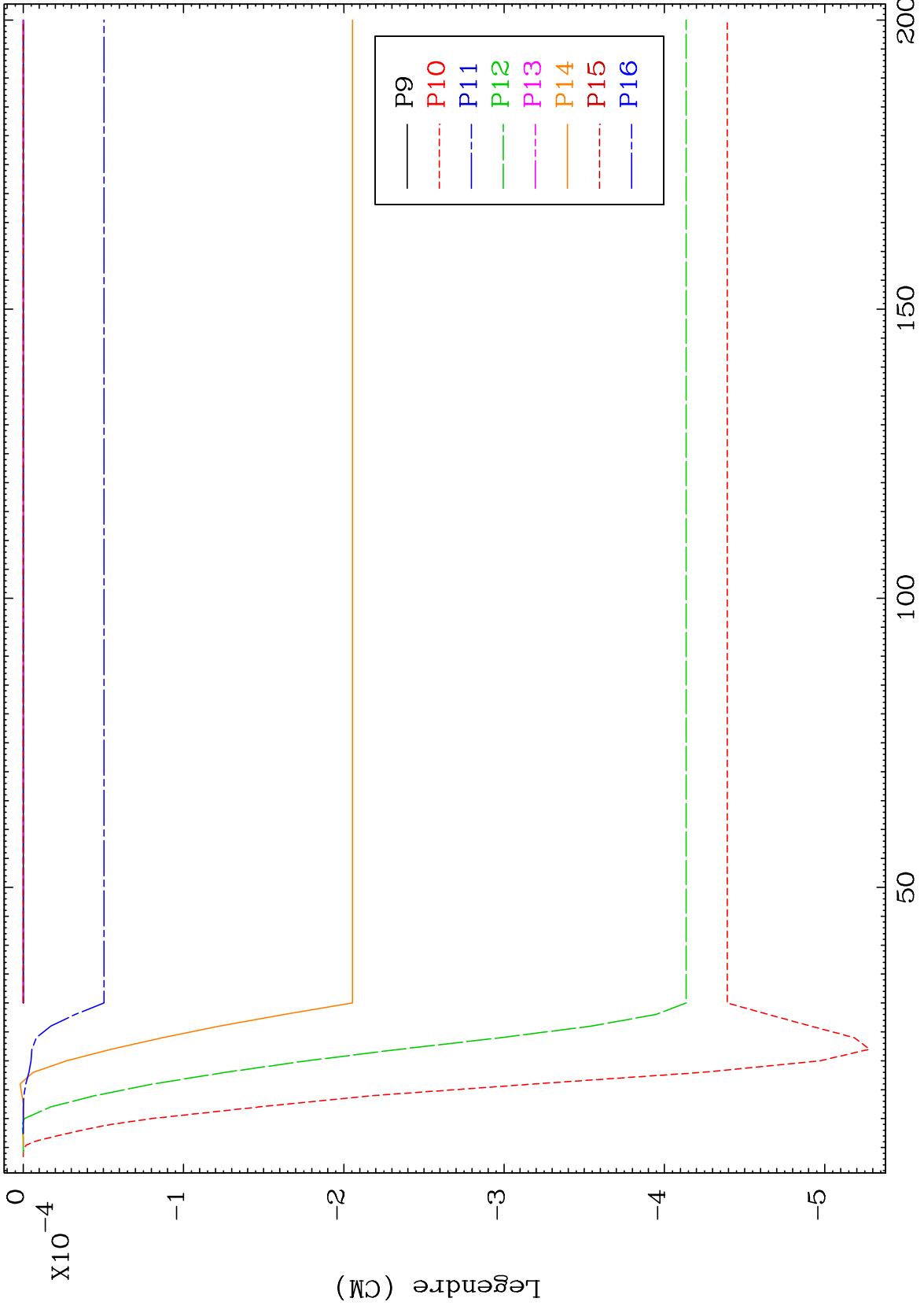
Incident Energy (MeV)

70

MAT 8240 MT= 66 (n,n') Level Legendre Coefficients 82-Pb-209



MAT 8240 MT= 66 (n,n') Level Legendre Coefficients 82-Pb-209

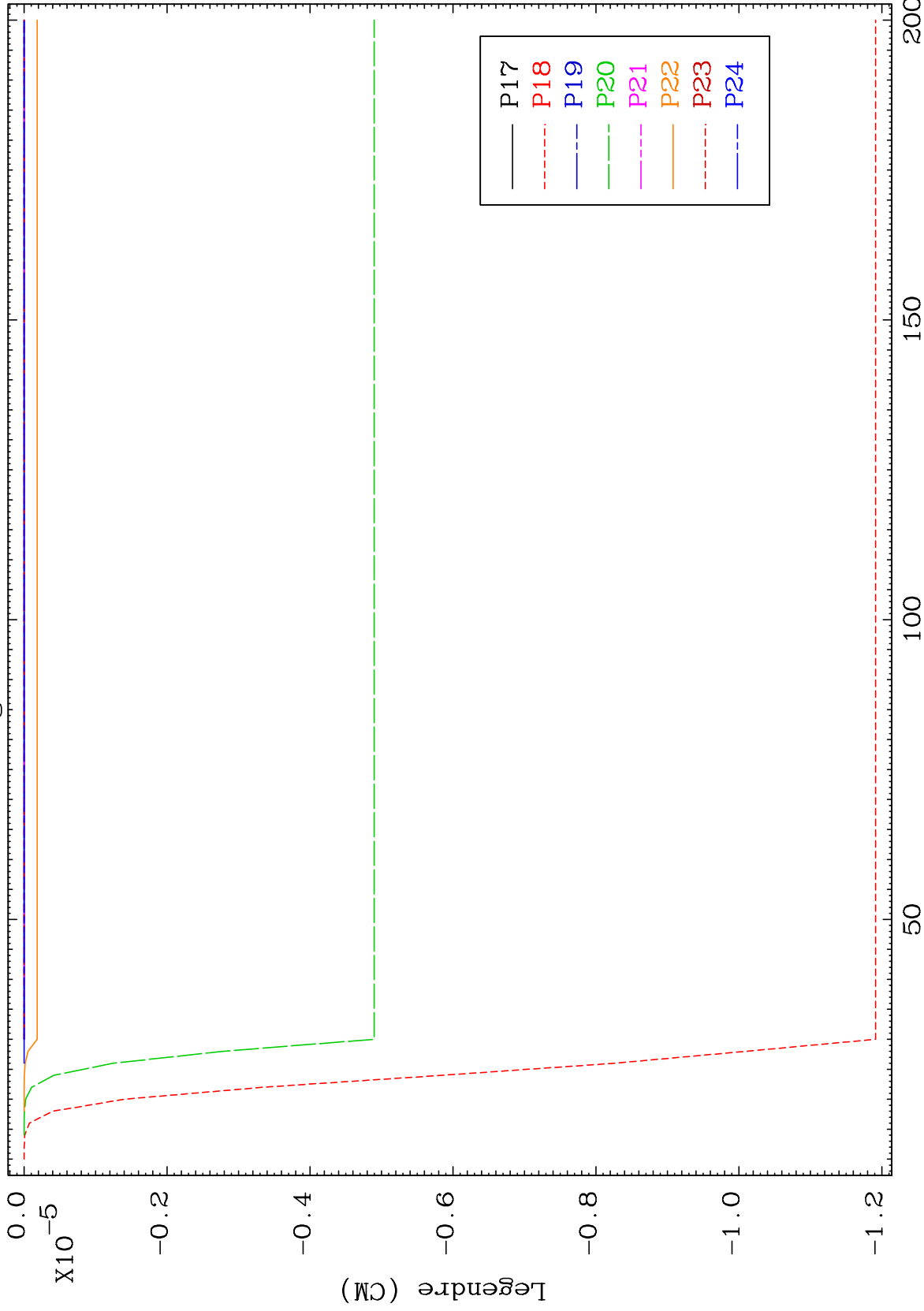


72 82-Pb-209

MAT 8240

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

82-Pb-209



73

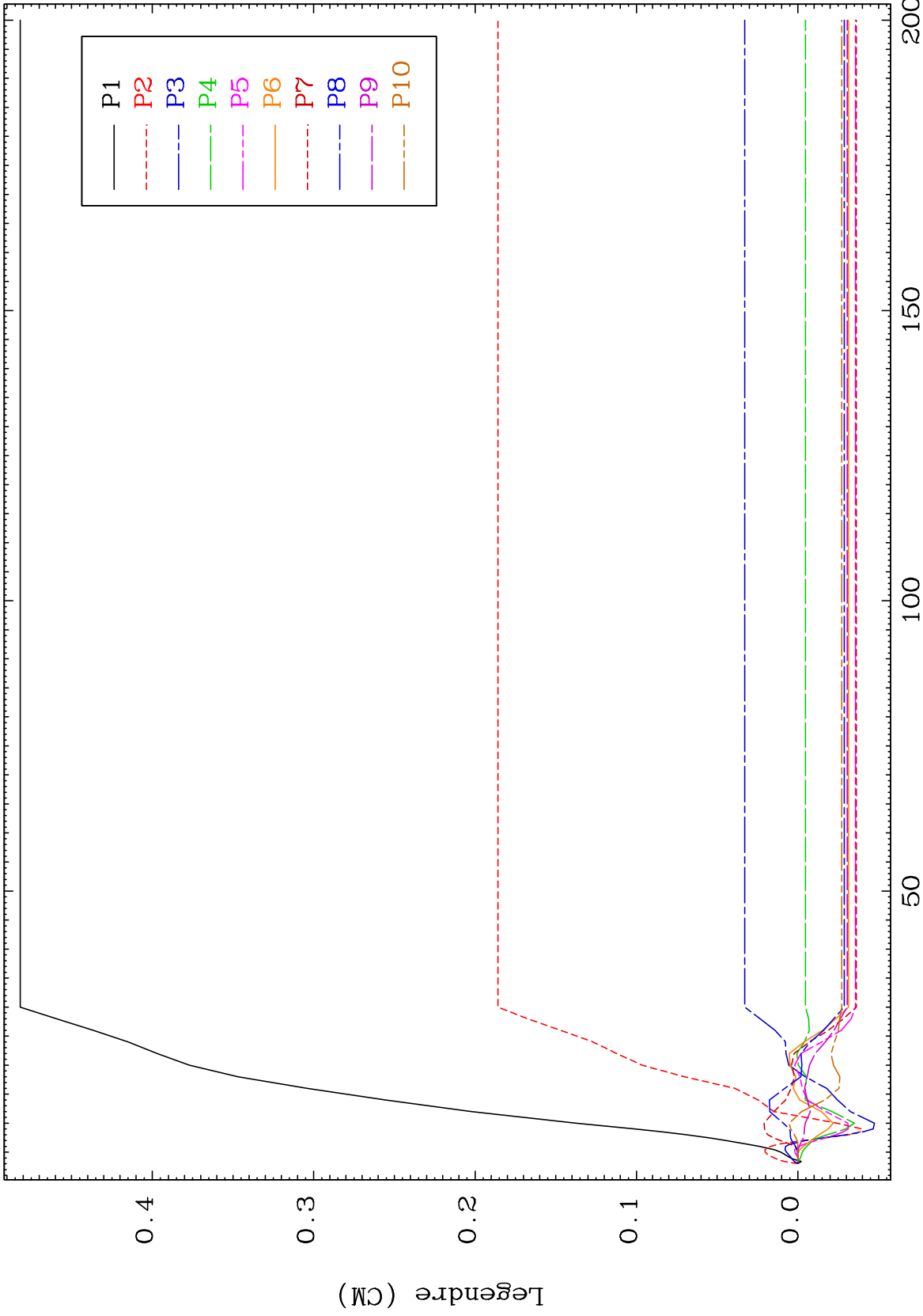
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



74

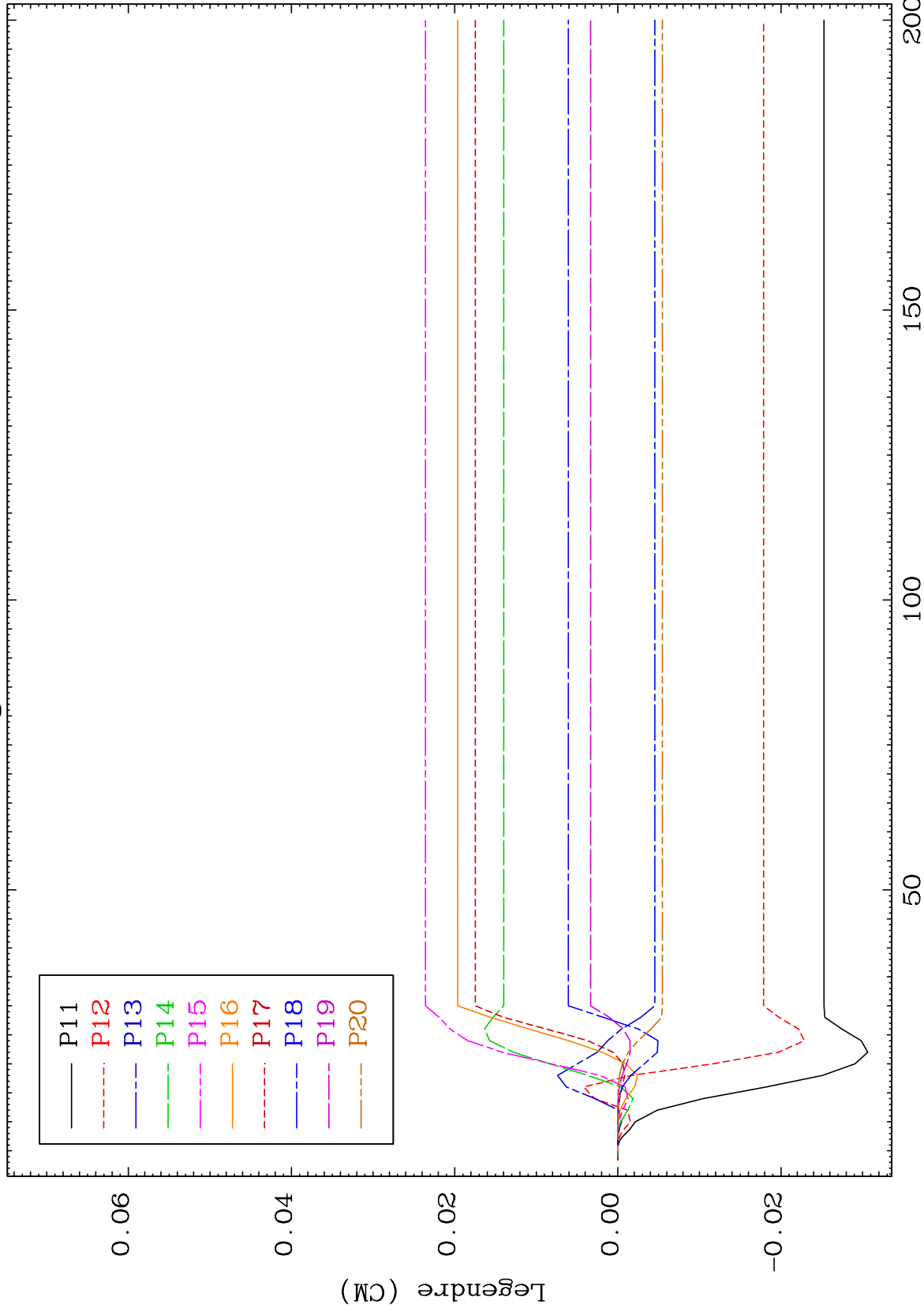
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



75

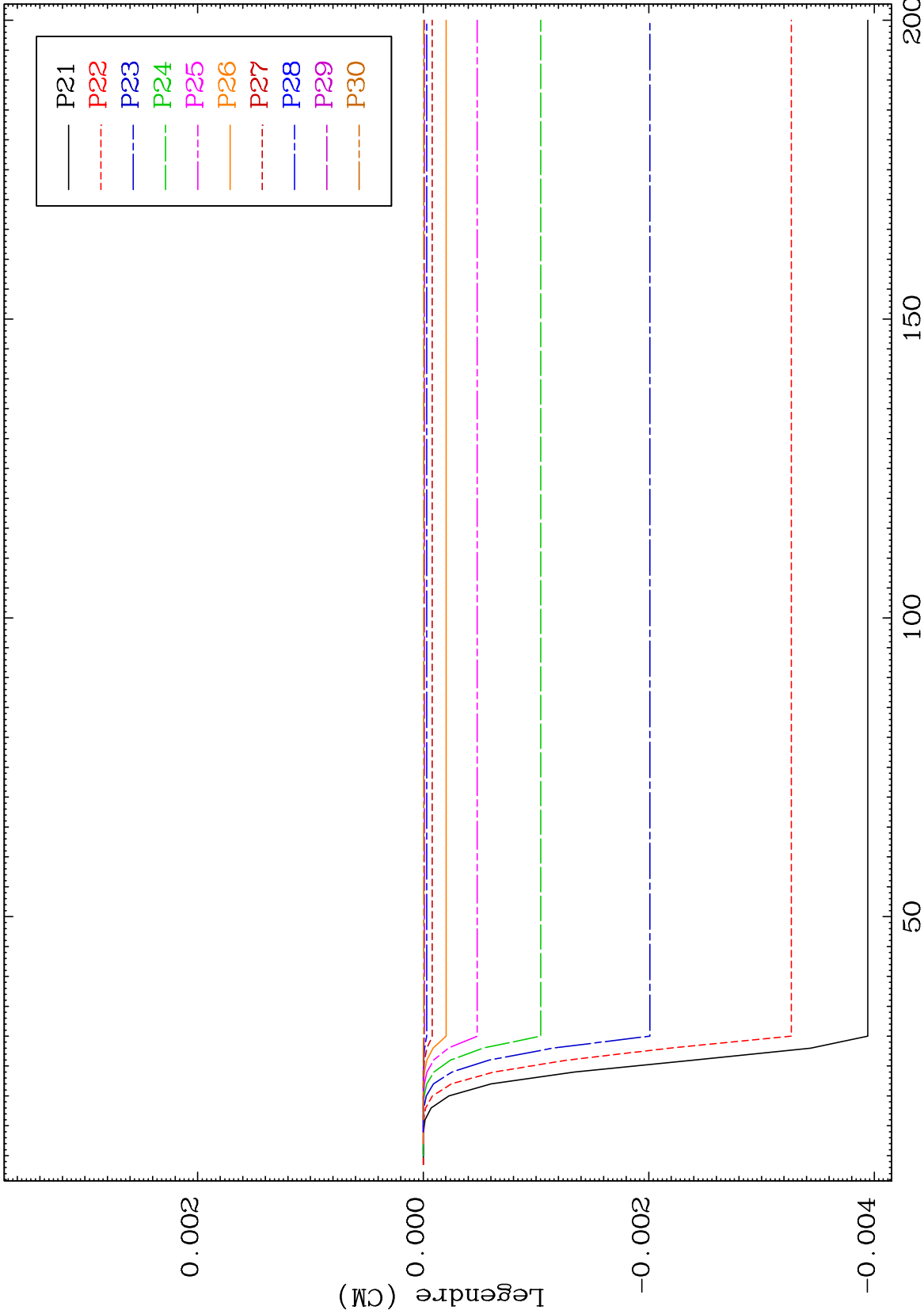
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



76

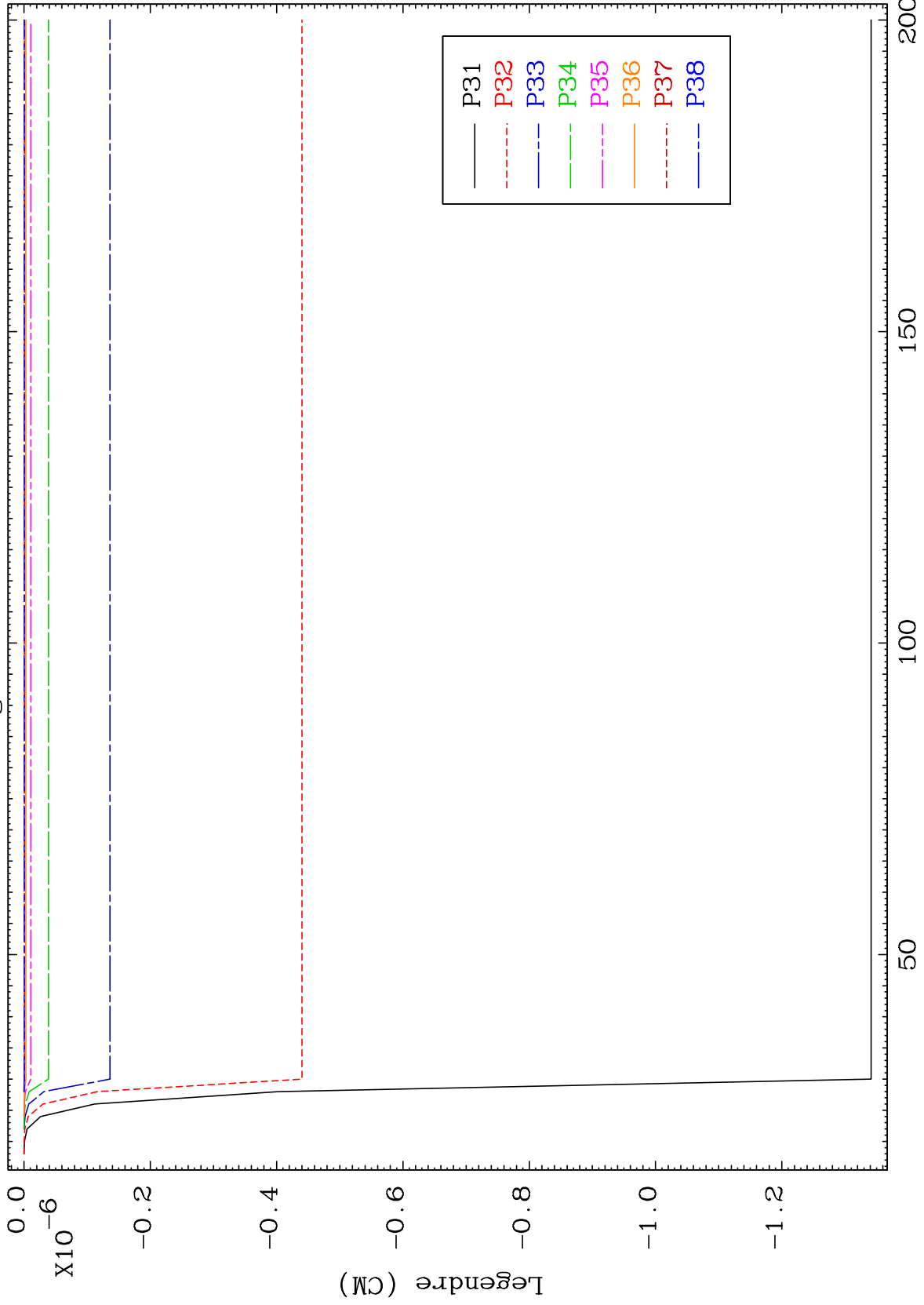
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



82-Pb-209

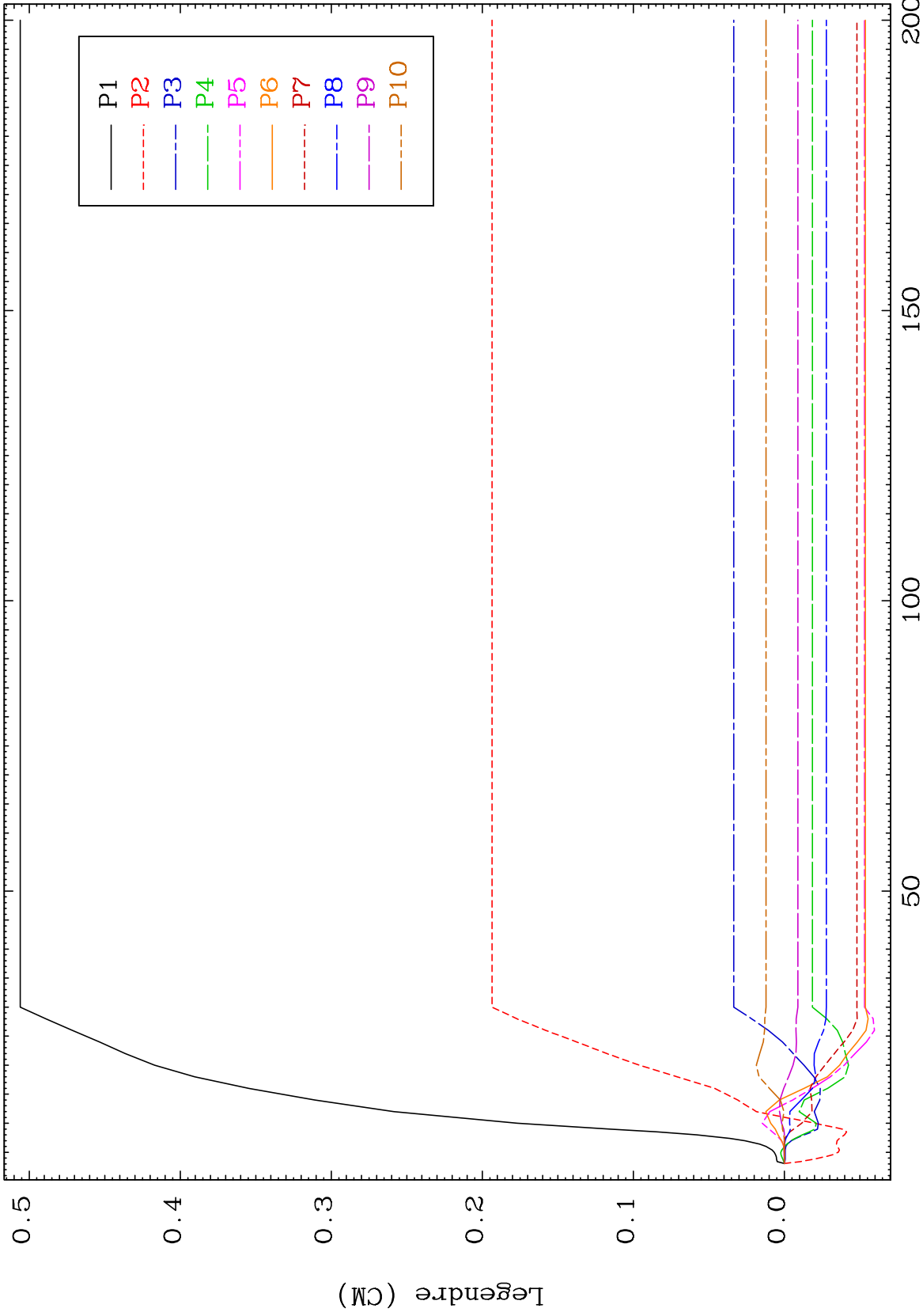
Incident Energy (MeV)

77

MAT 8240

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

82-Pb-209



78

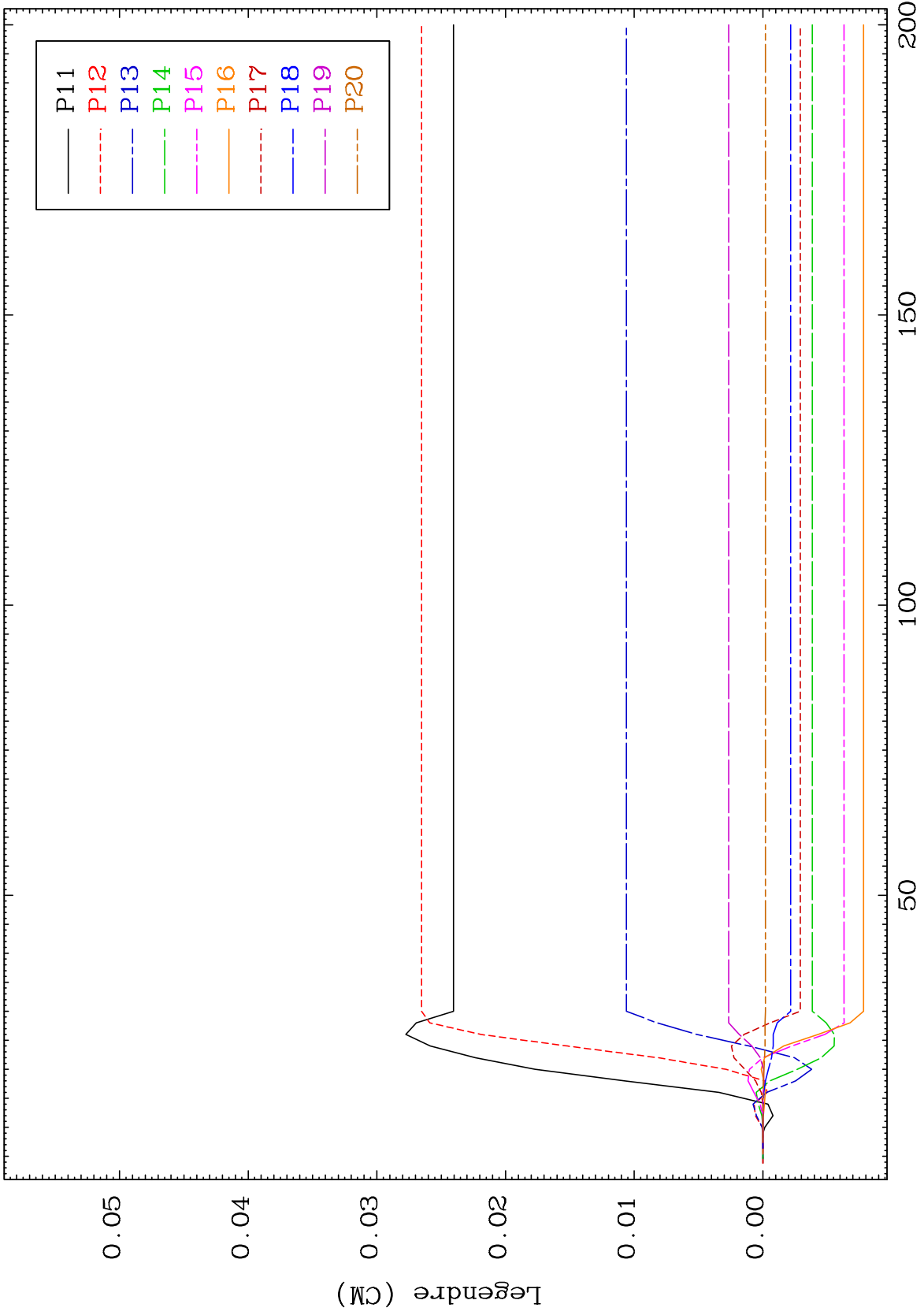
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



79

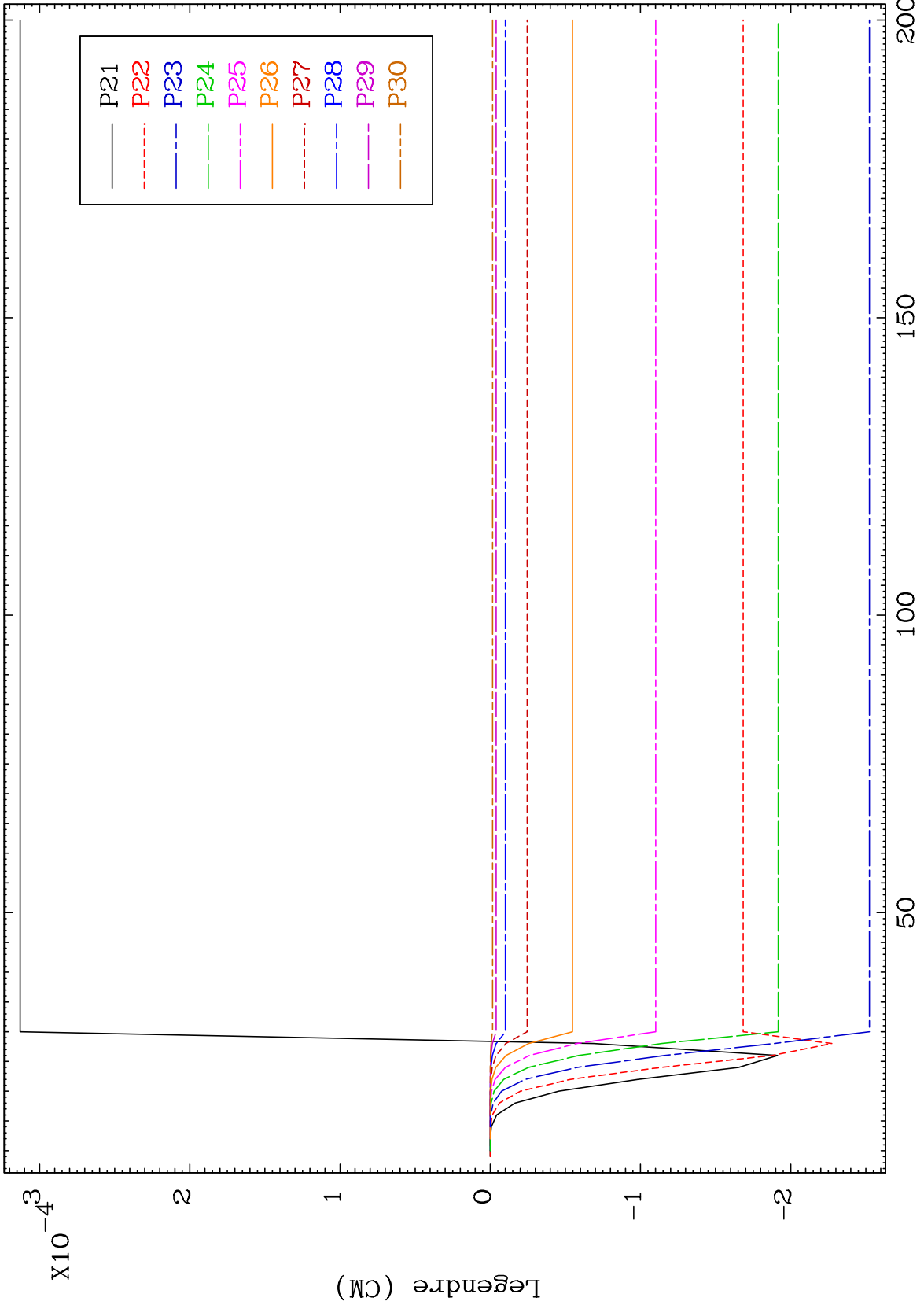
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



80

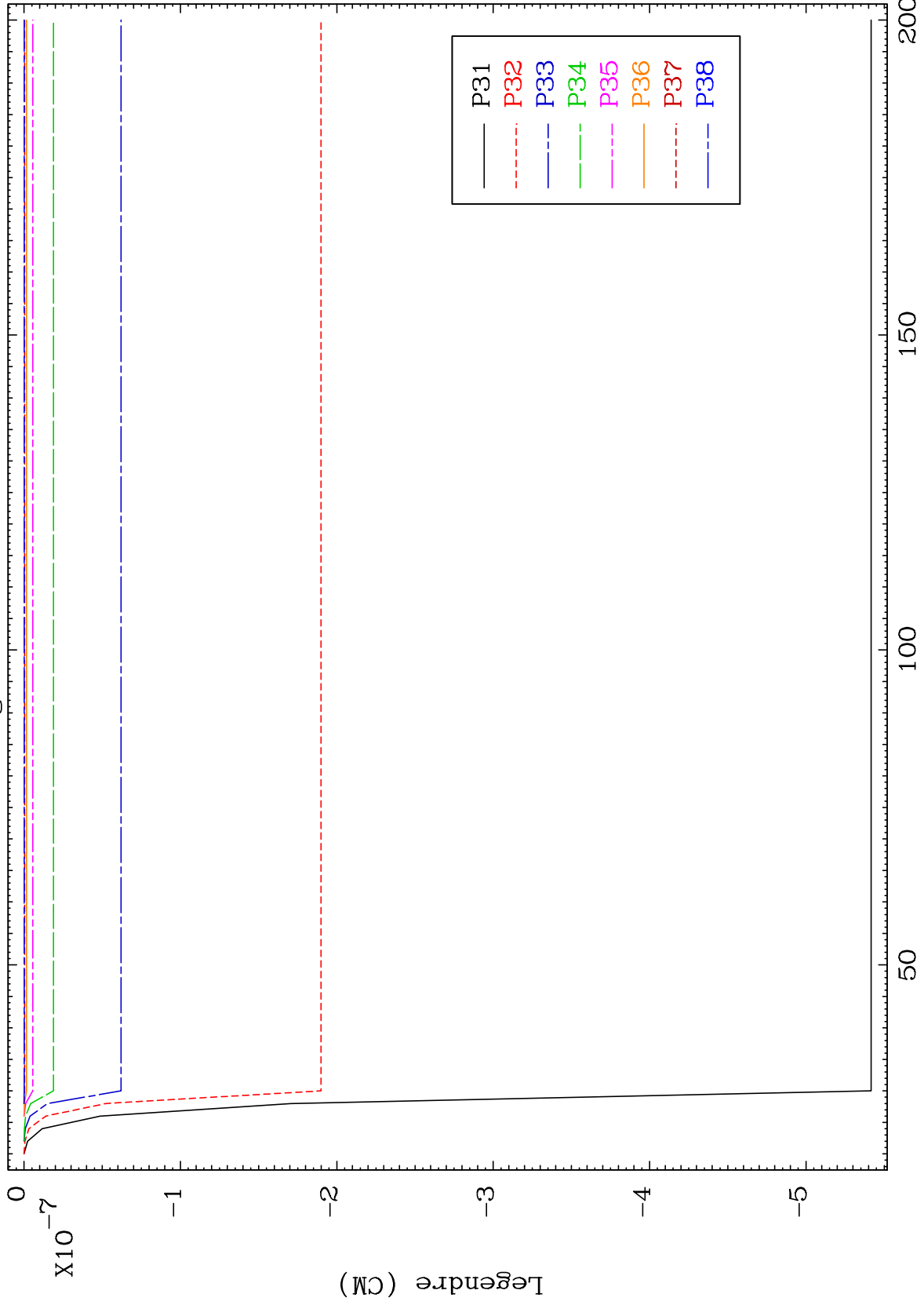
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



81

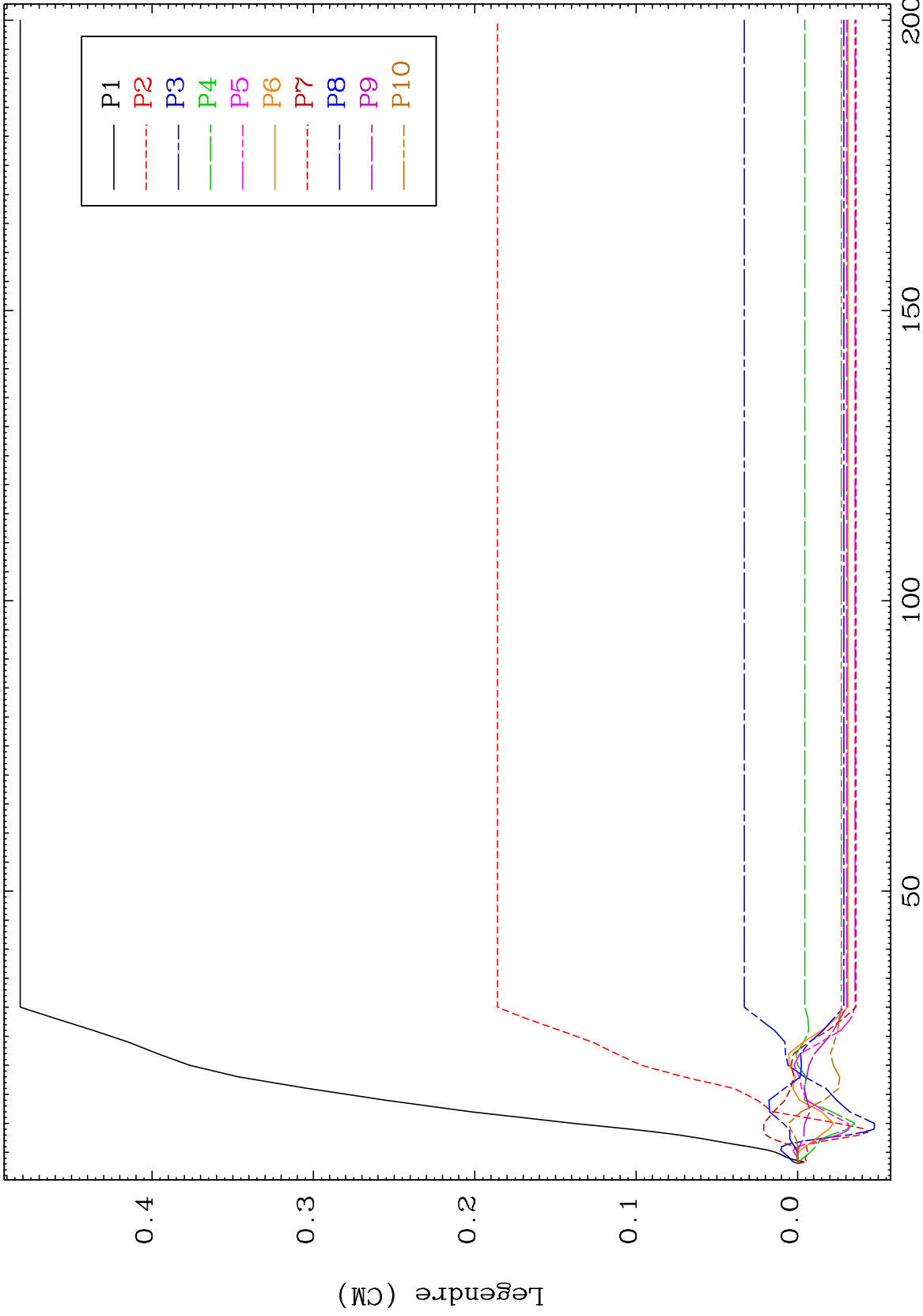
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



82

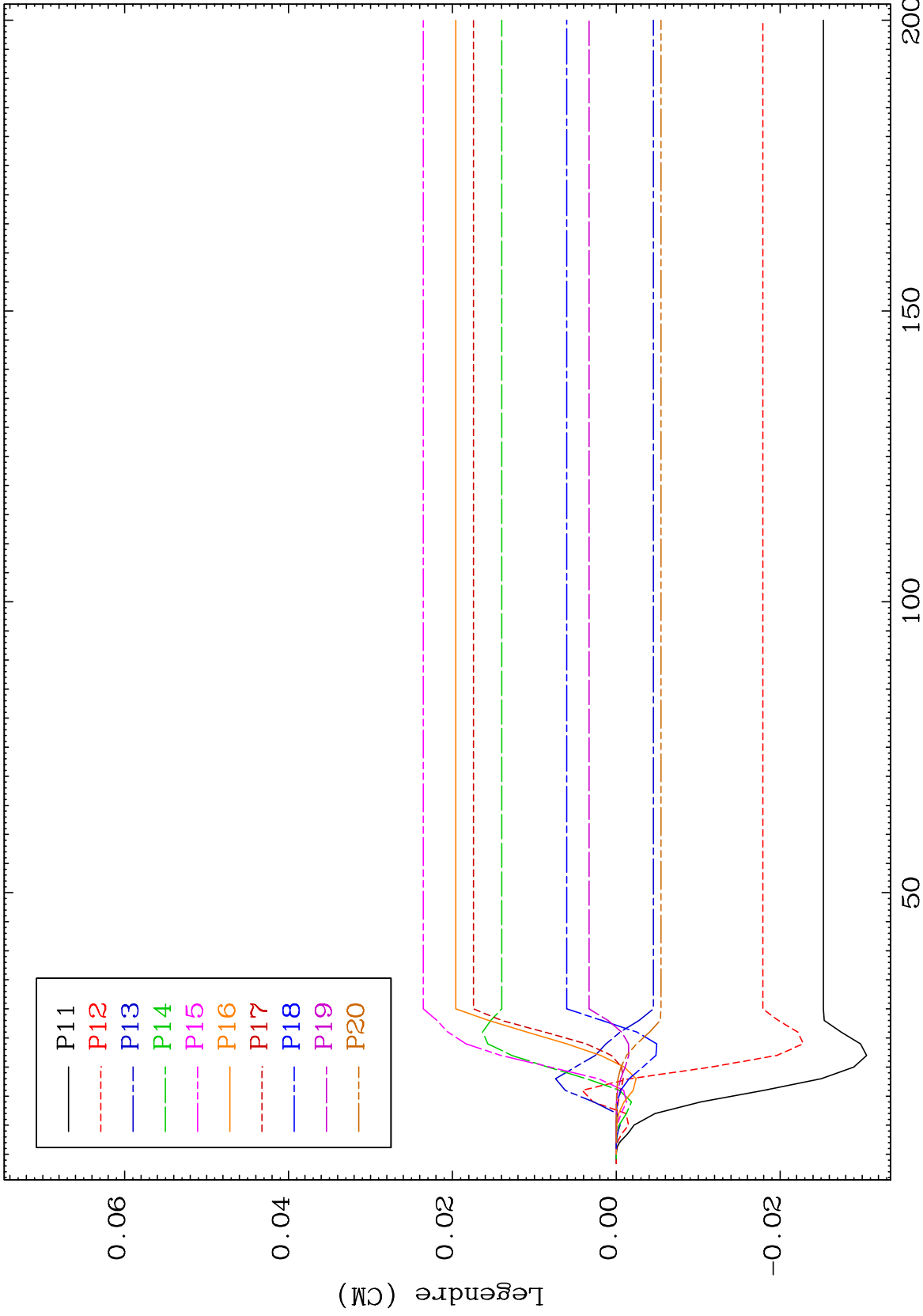
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



83

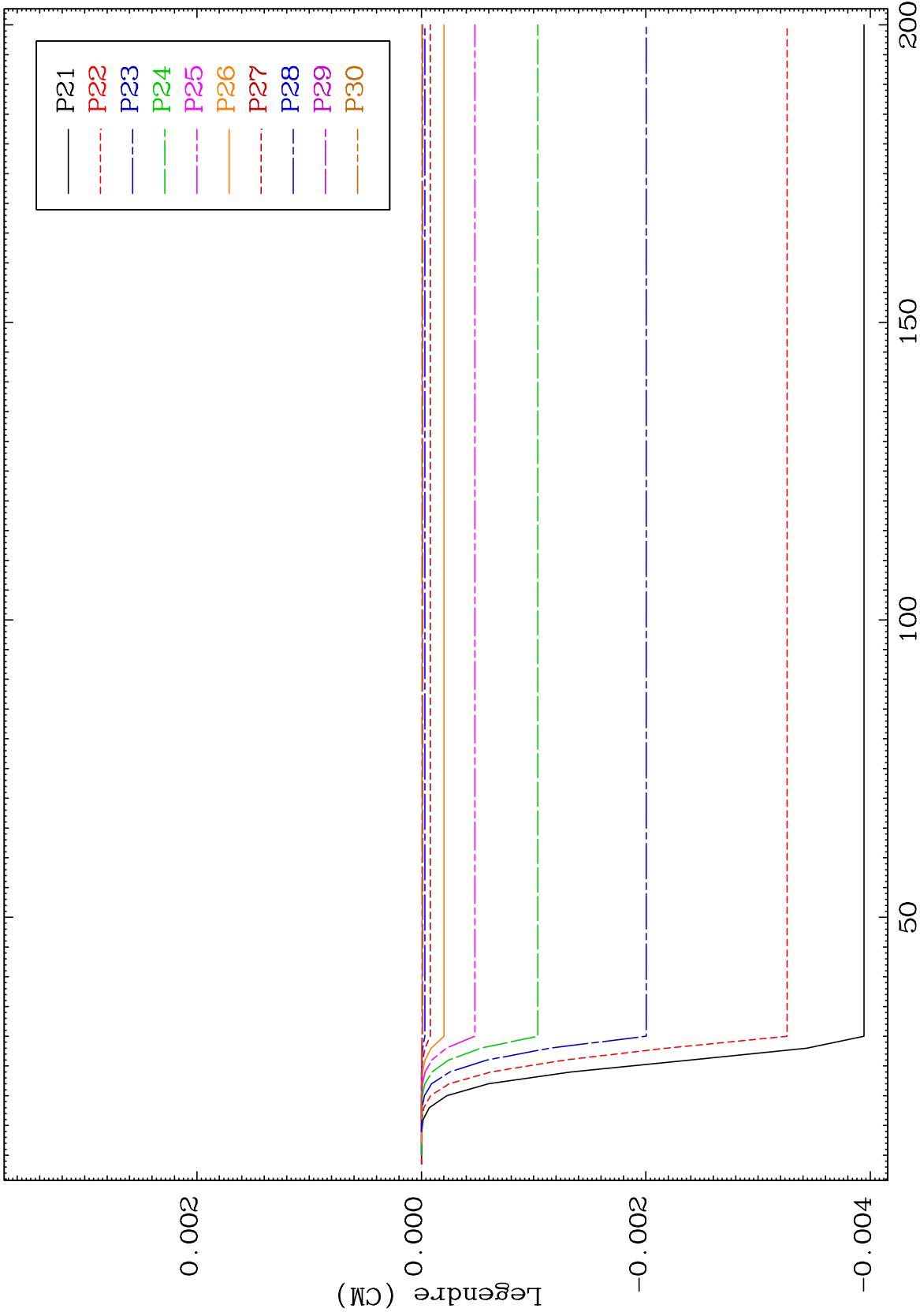
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



84

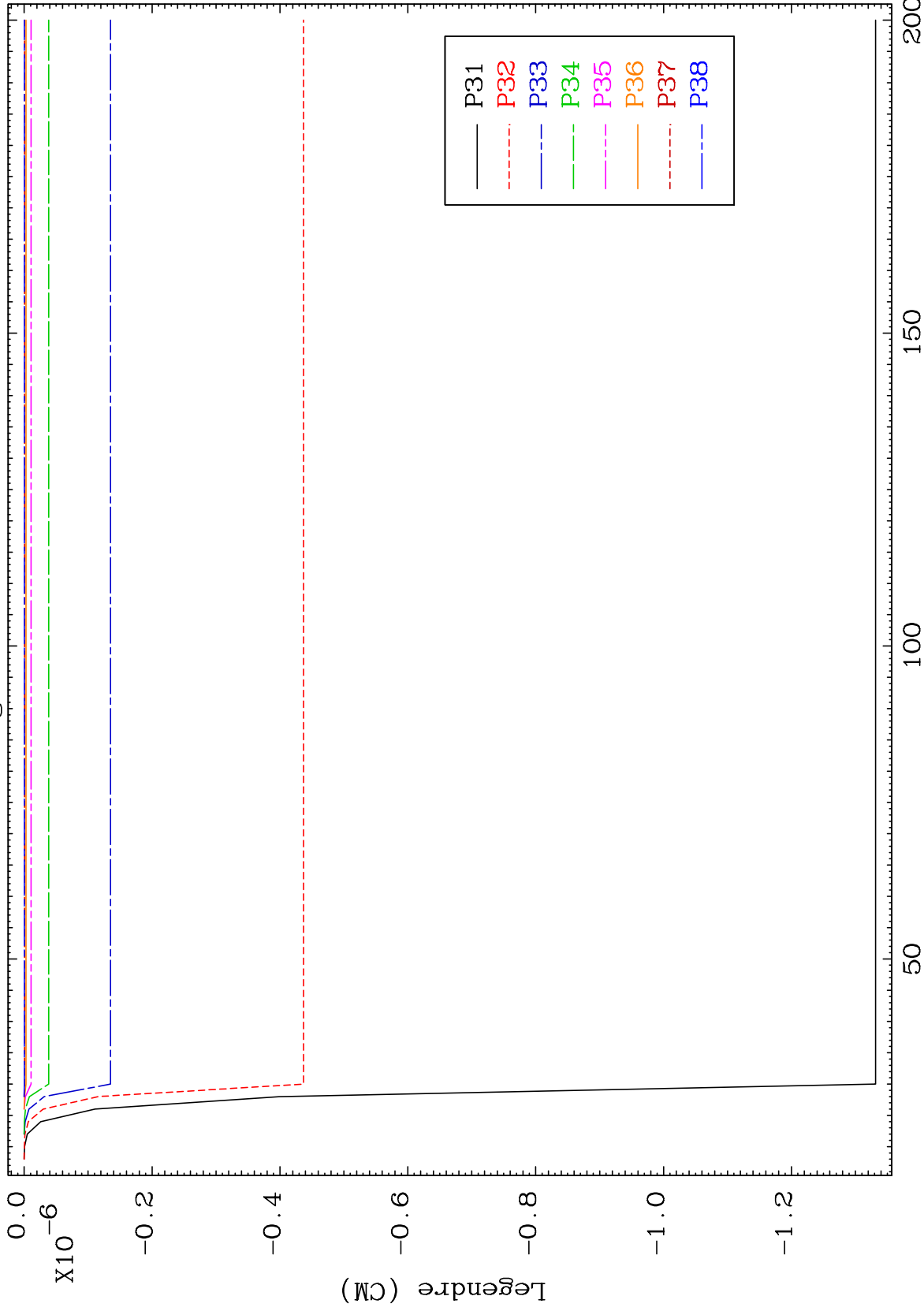
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



82-Pb-209

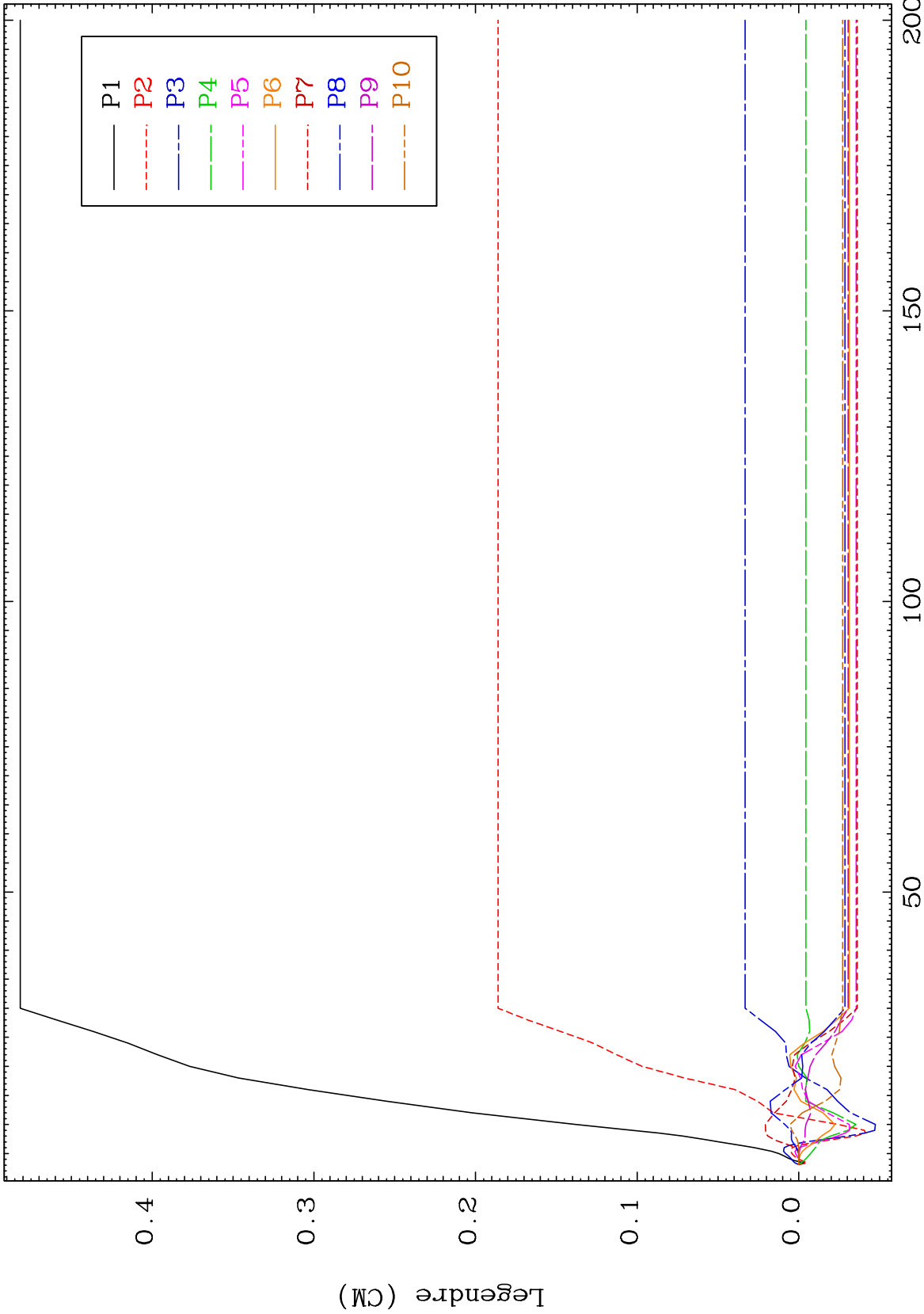
Incident Energy (MeV)

85

MAT 8240

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

82-Pb-209



86

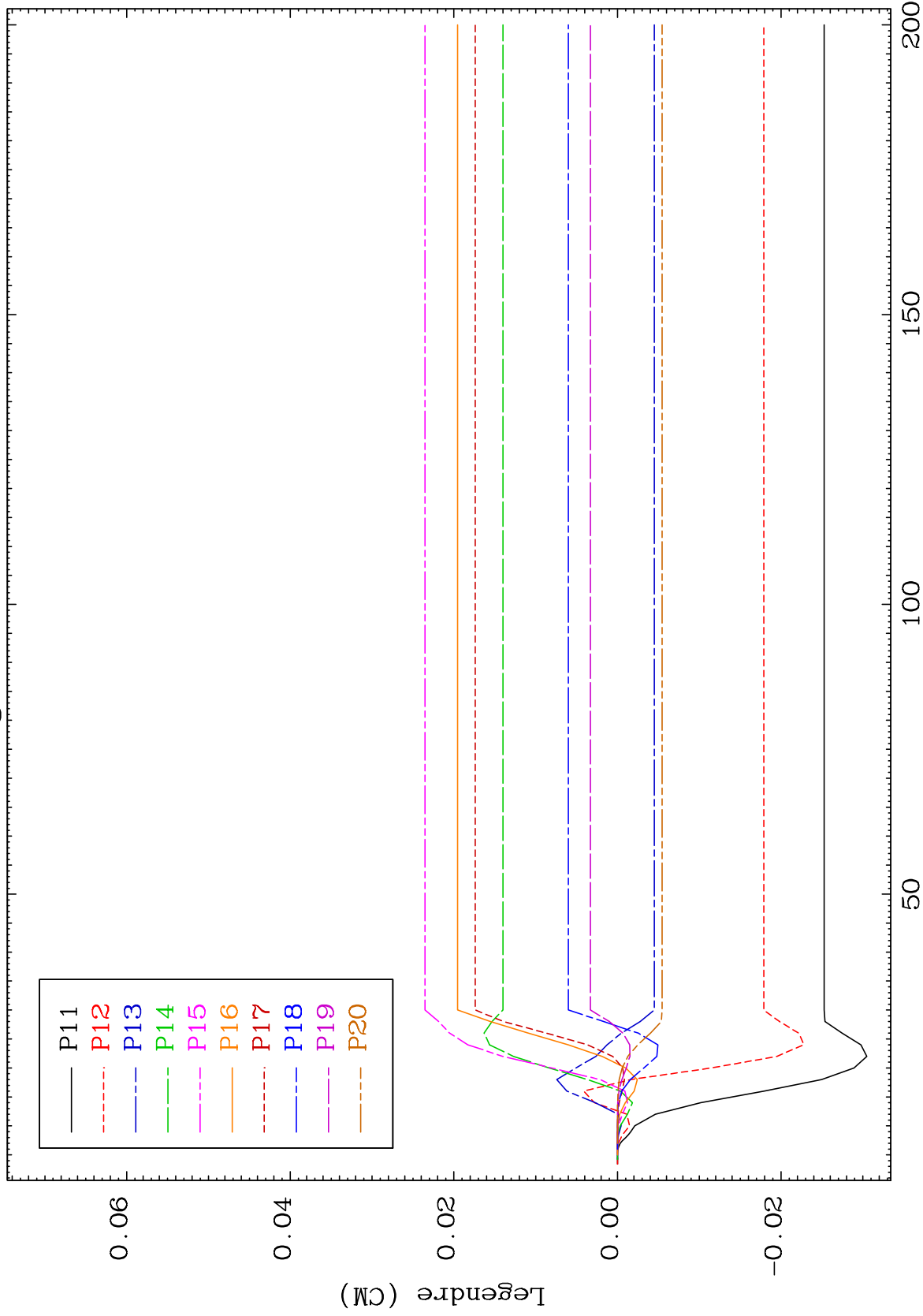
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



87

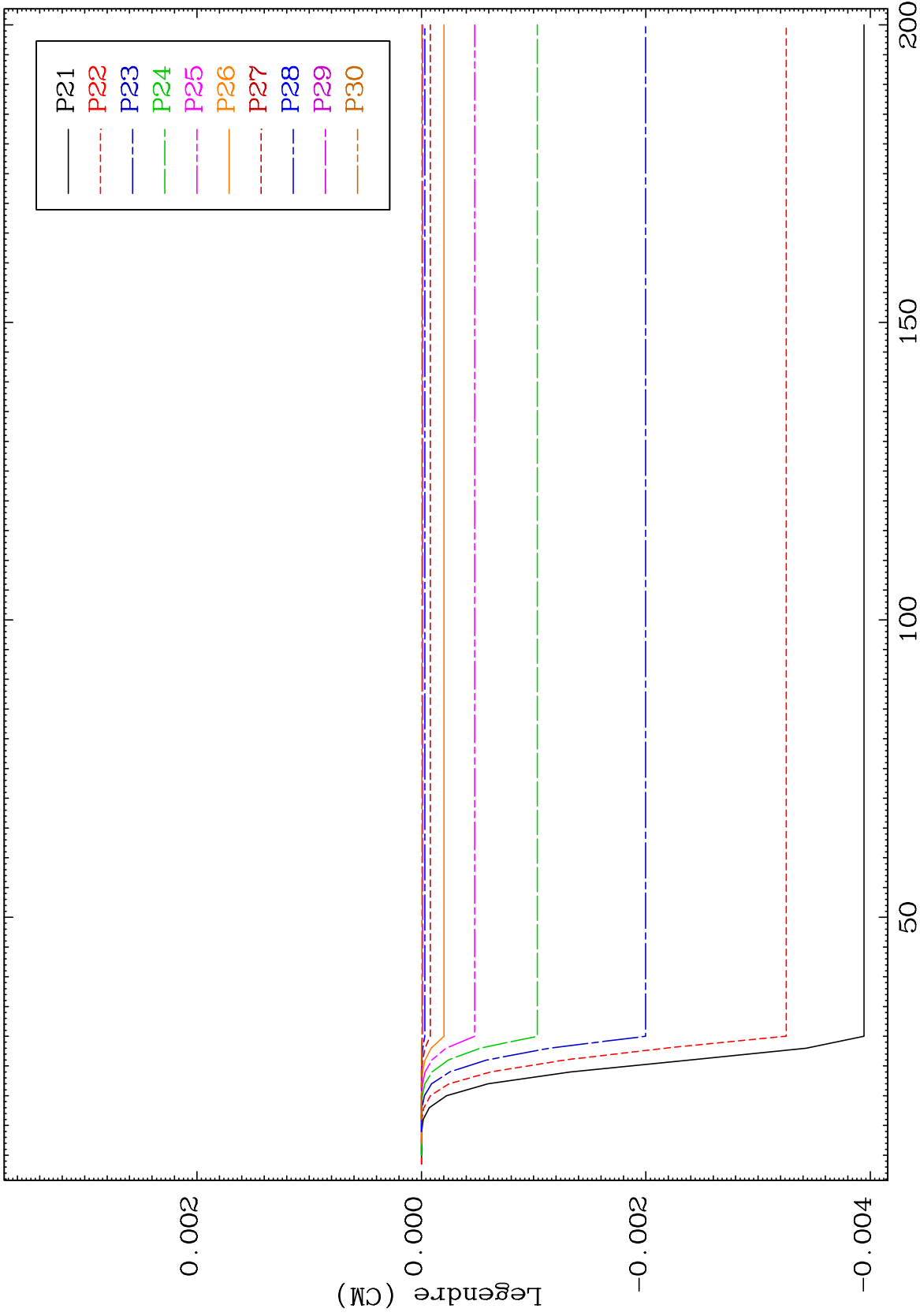
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



88

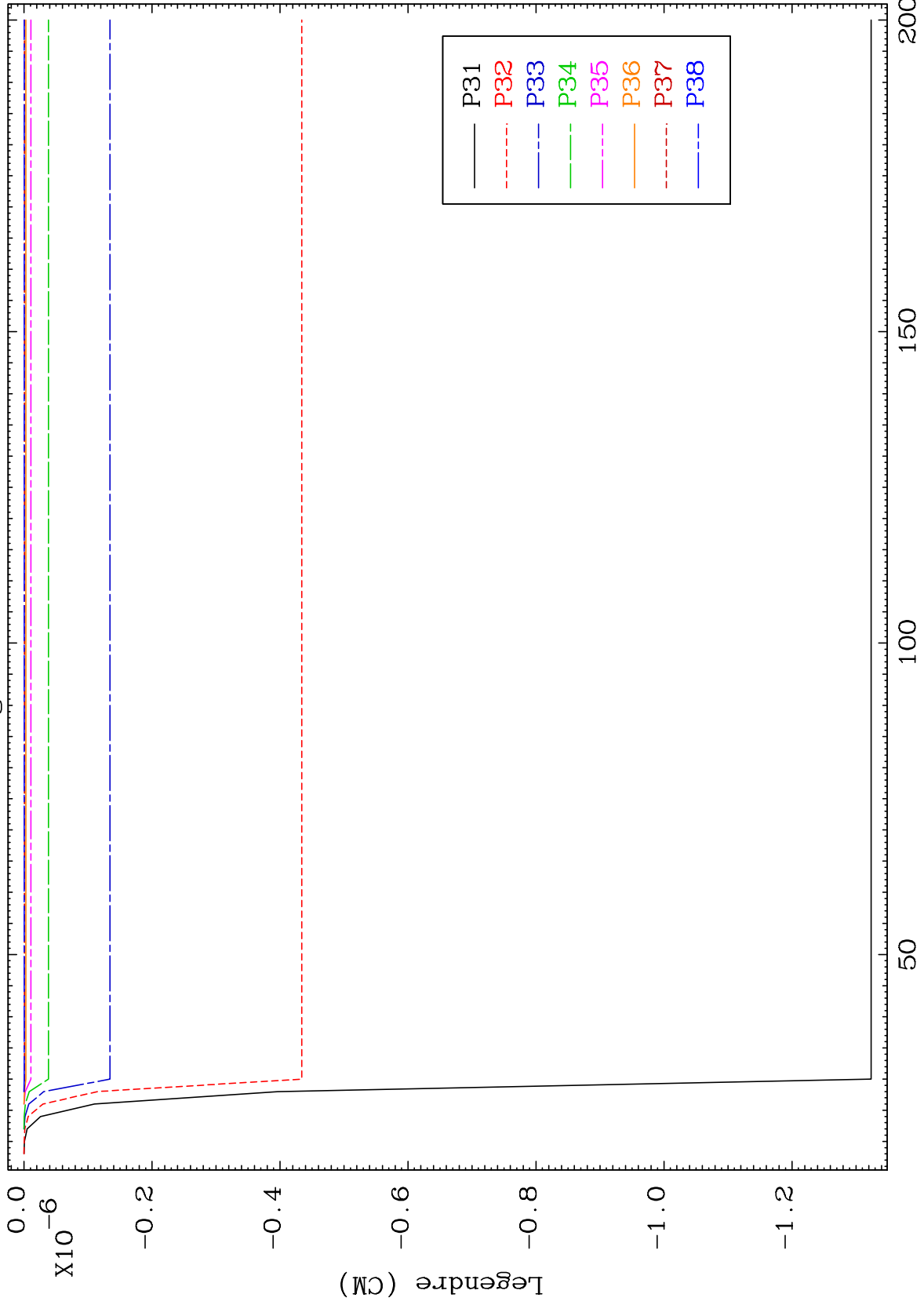
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



82-Pb-209

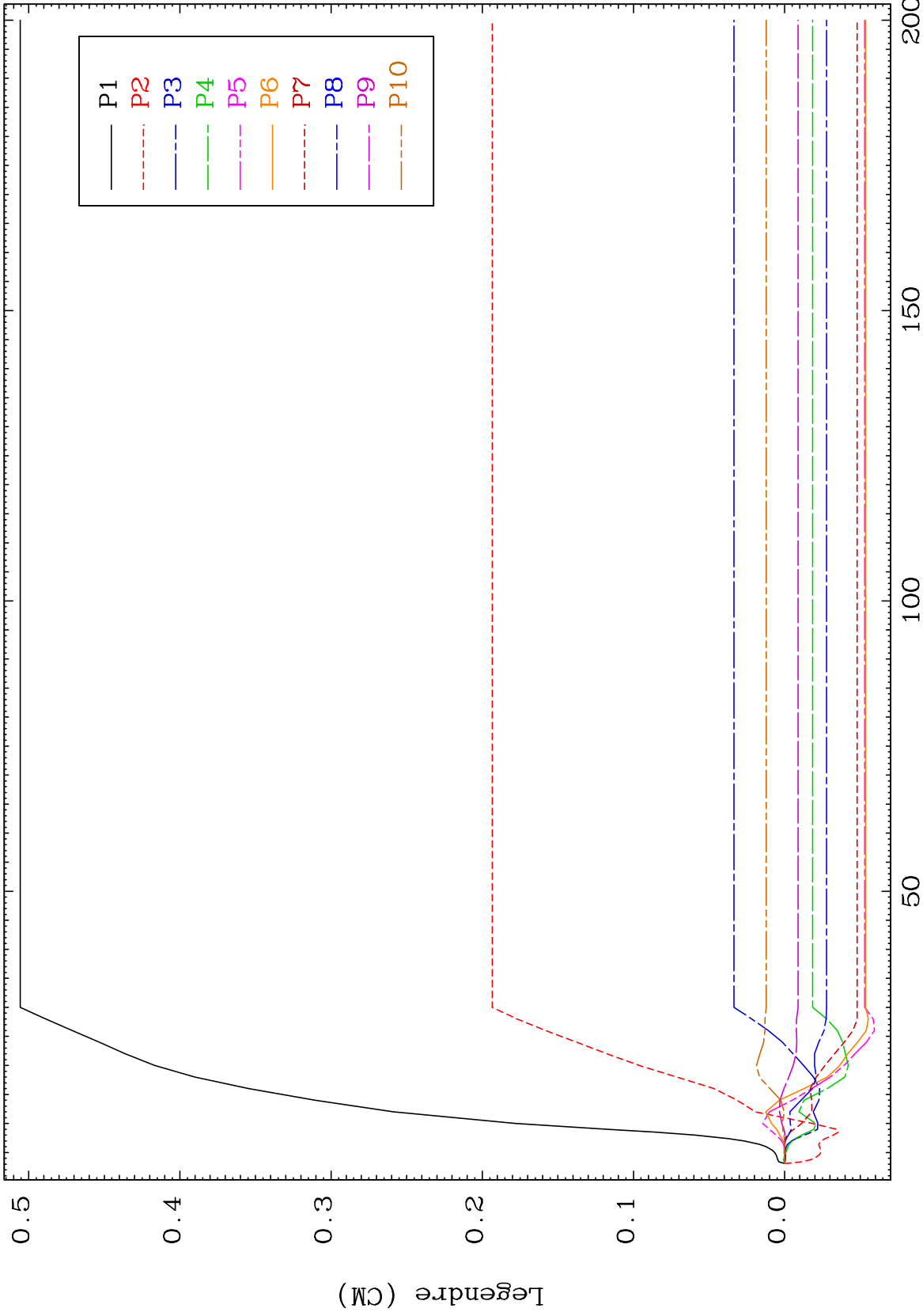
Incident Energy (MeV)

89

MAT 8240

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

82-Pb-209



90

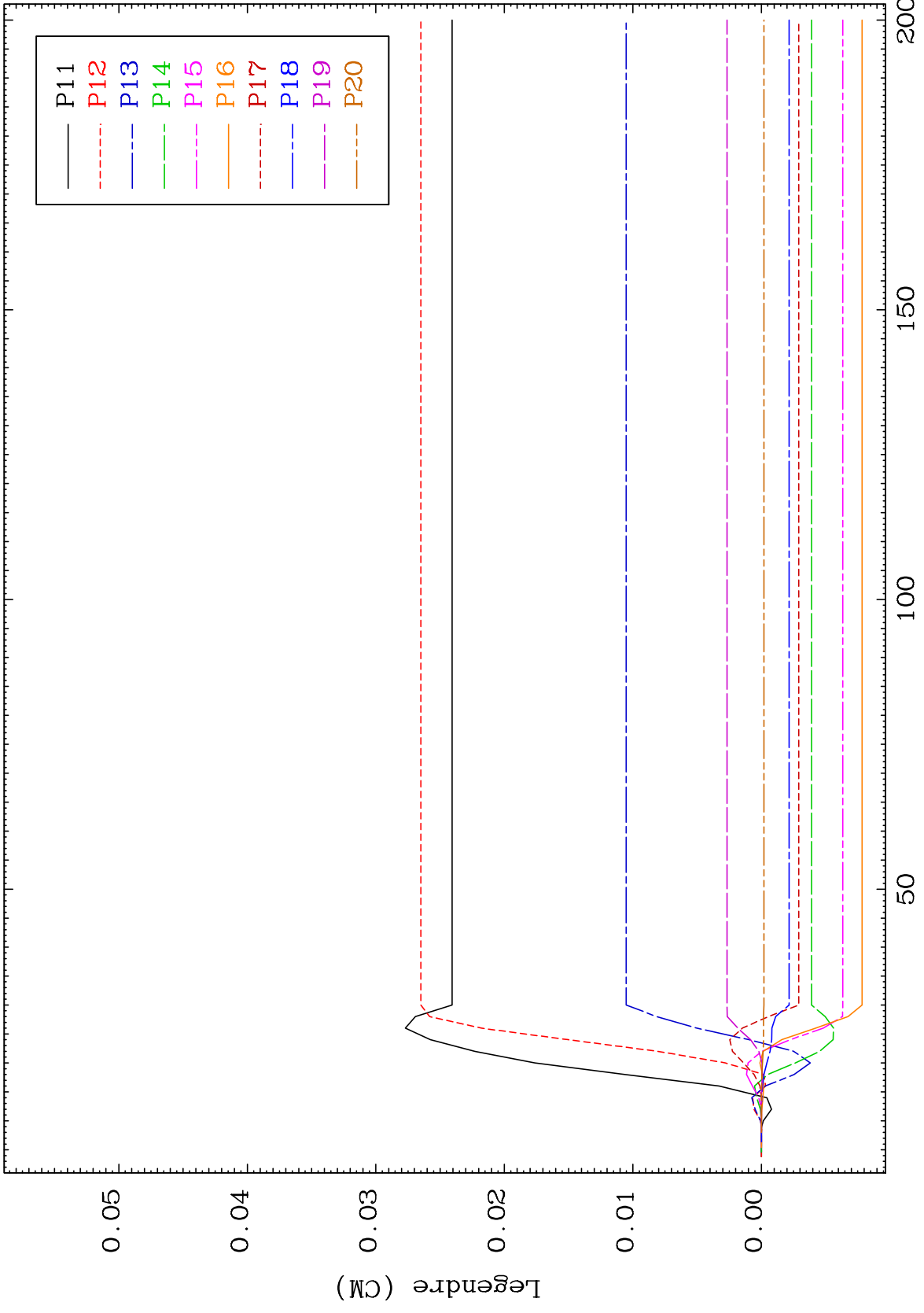
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



91

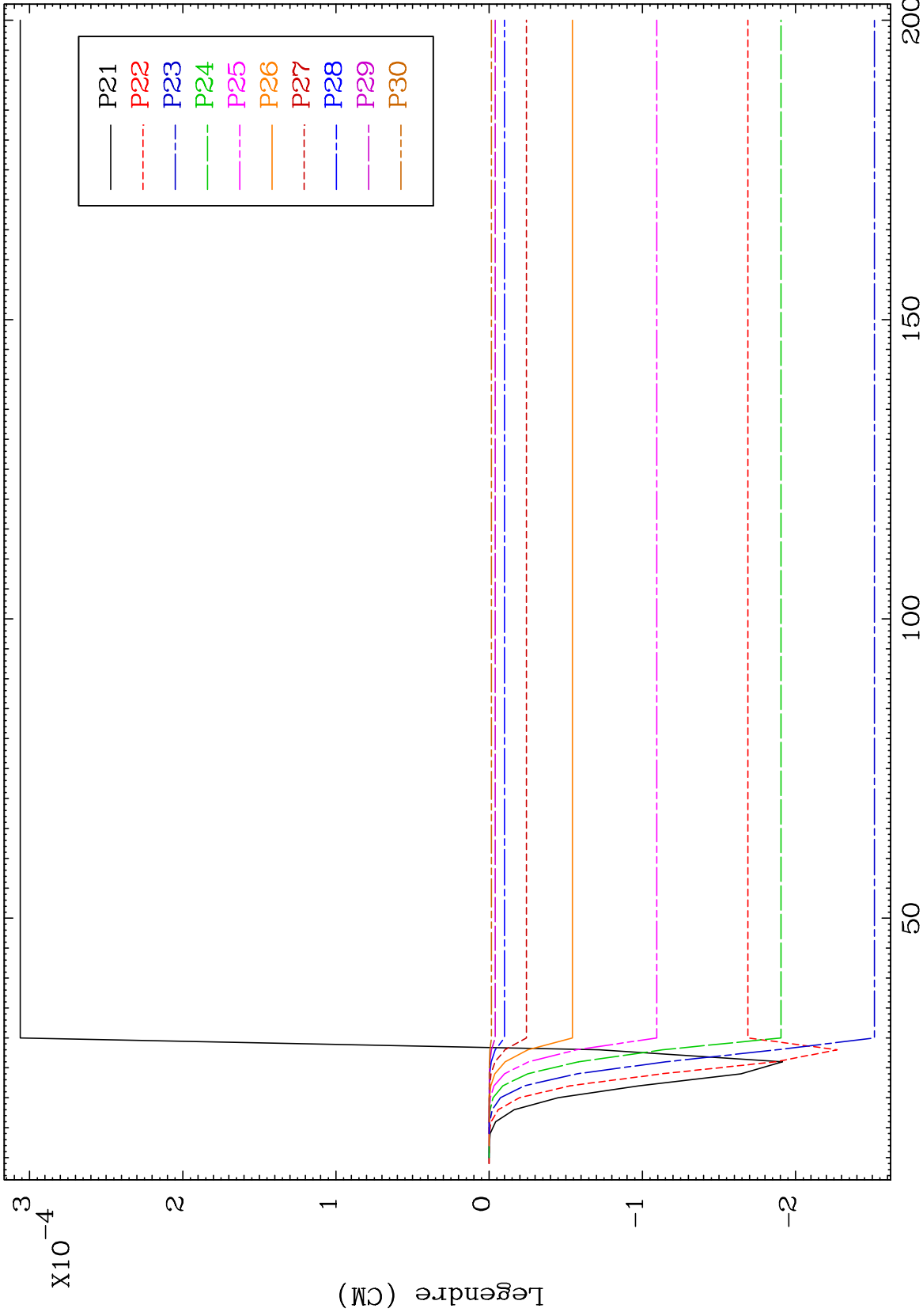
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



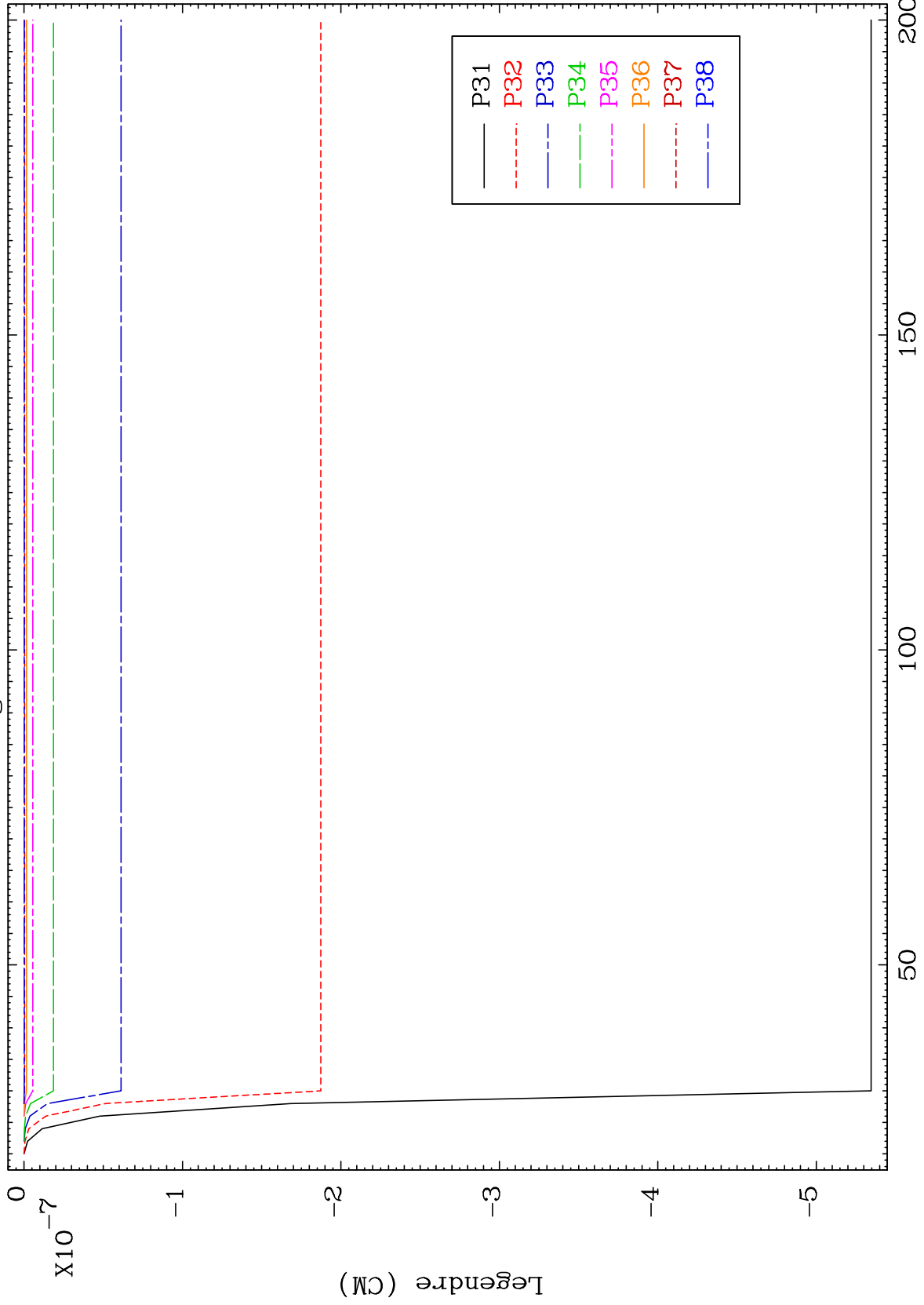
92

82-Pb-209

MAT 8240

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

82-Pb-209



93

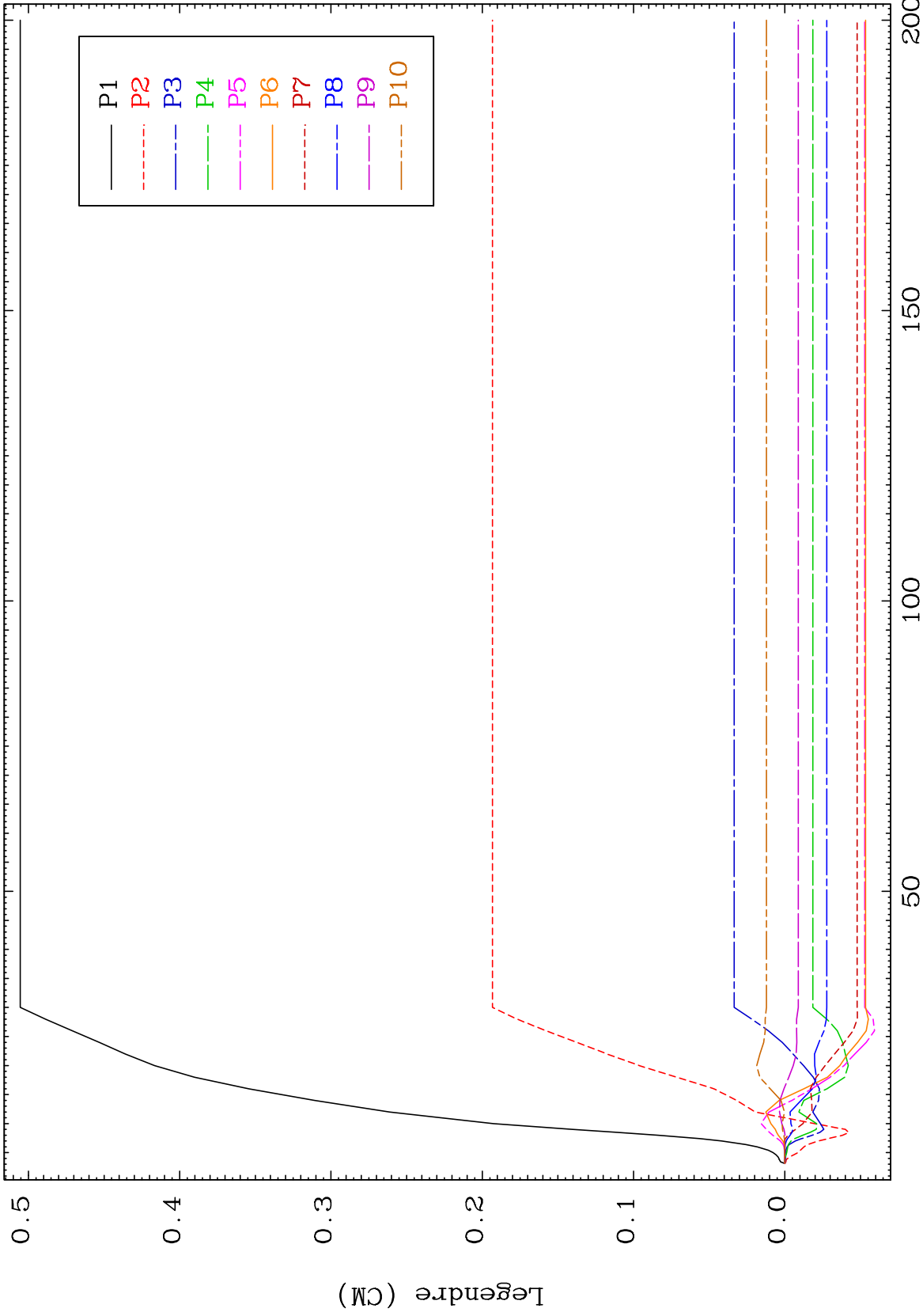
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



94

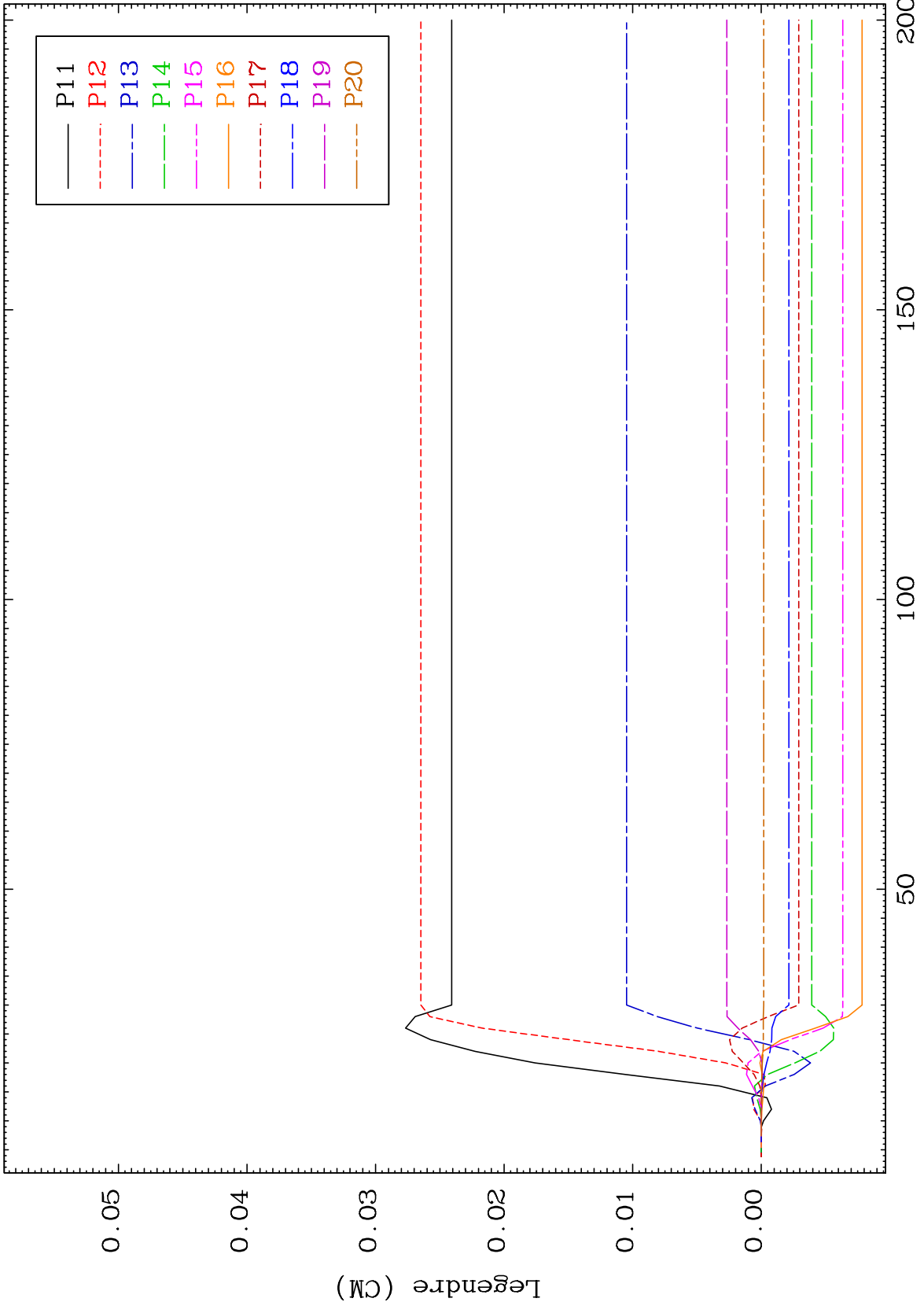
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



95

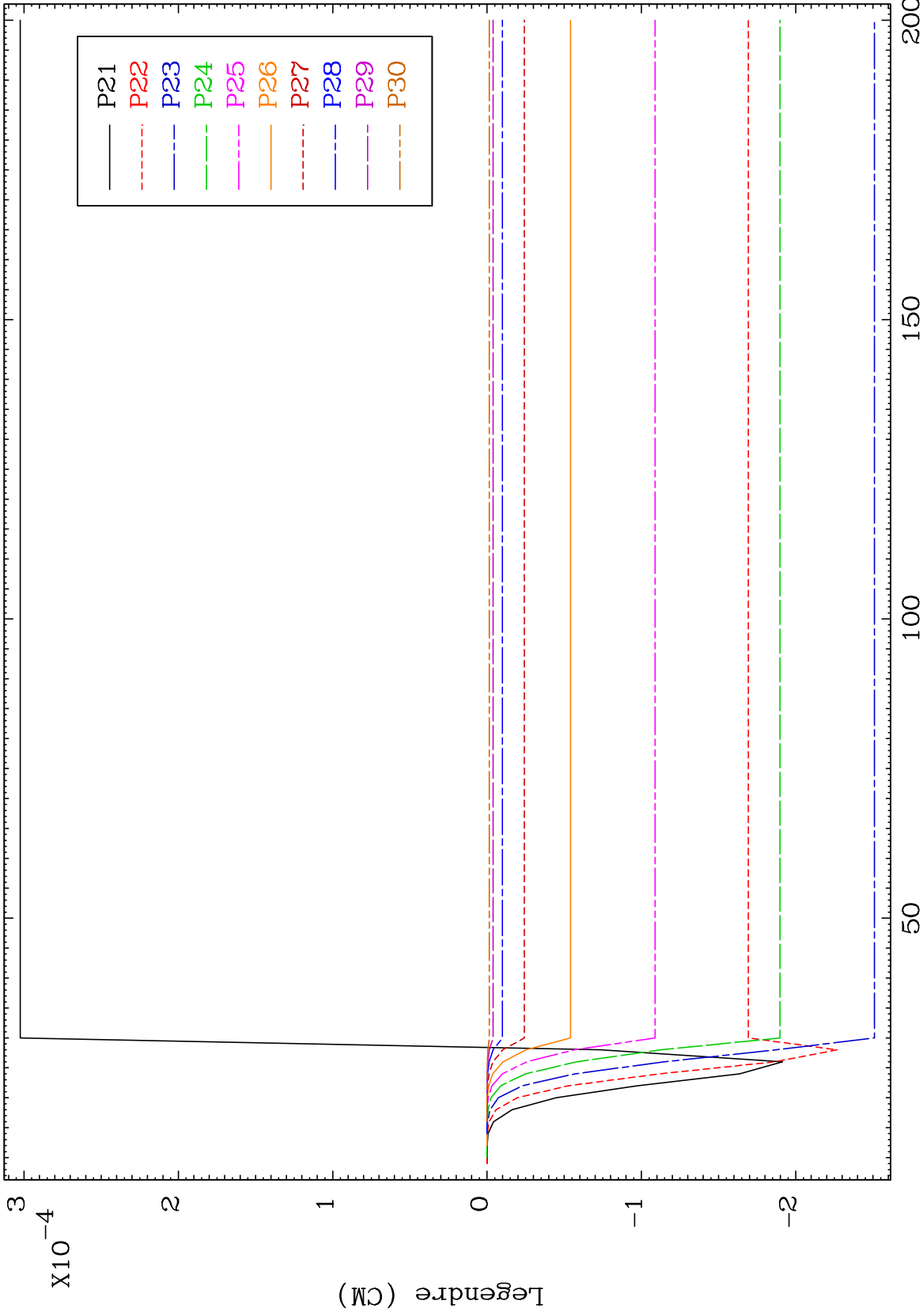
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



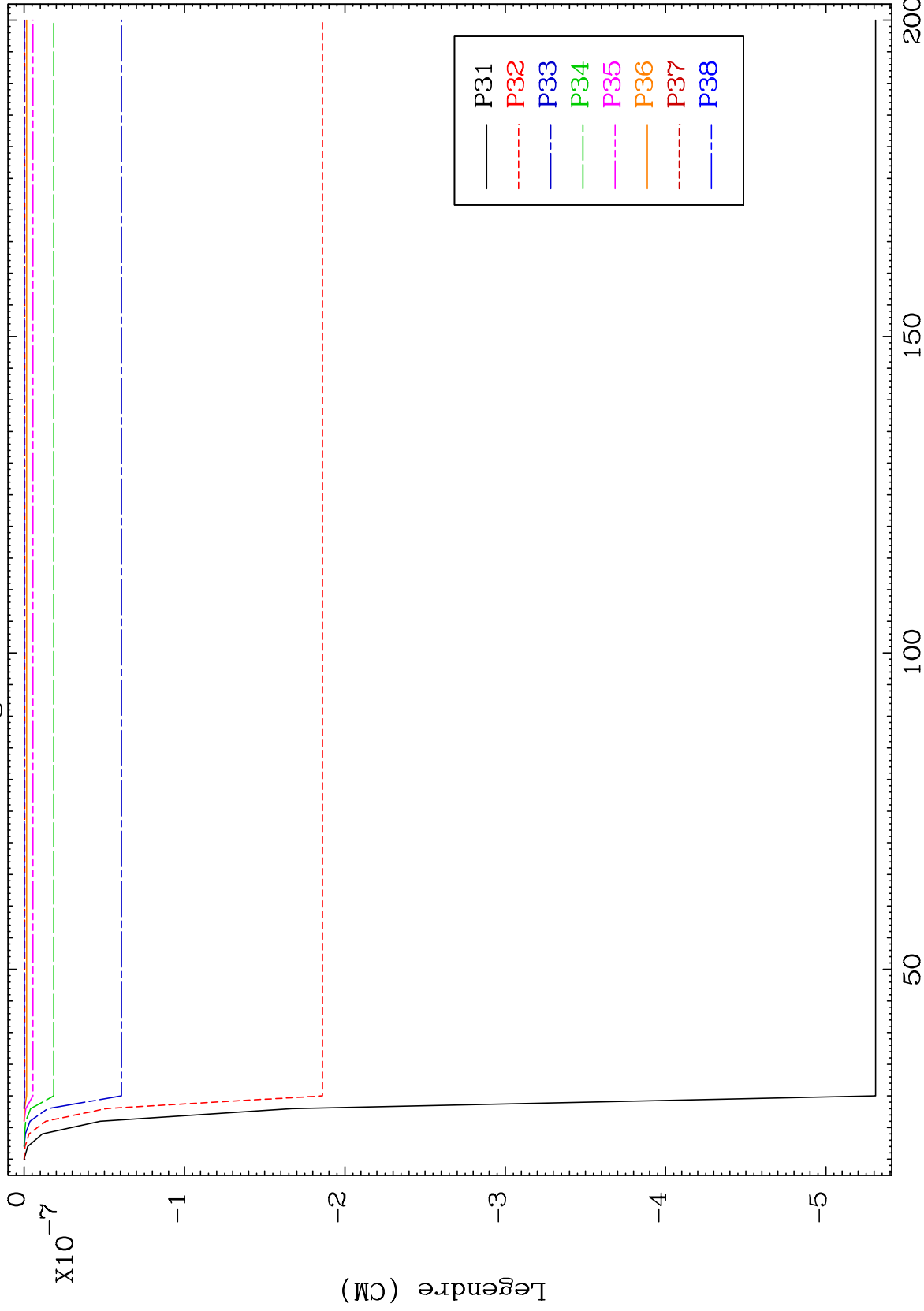
96

82-Pb-209

MAT 8240

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

82-Pb-209



82-Pb-209

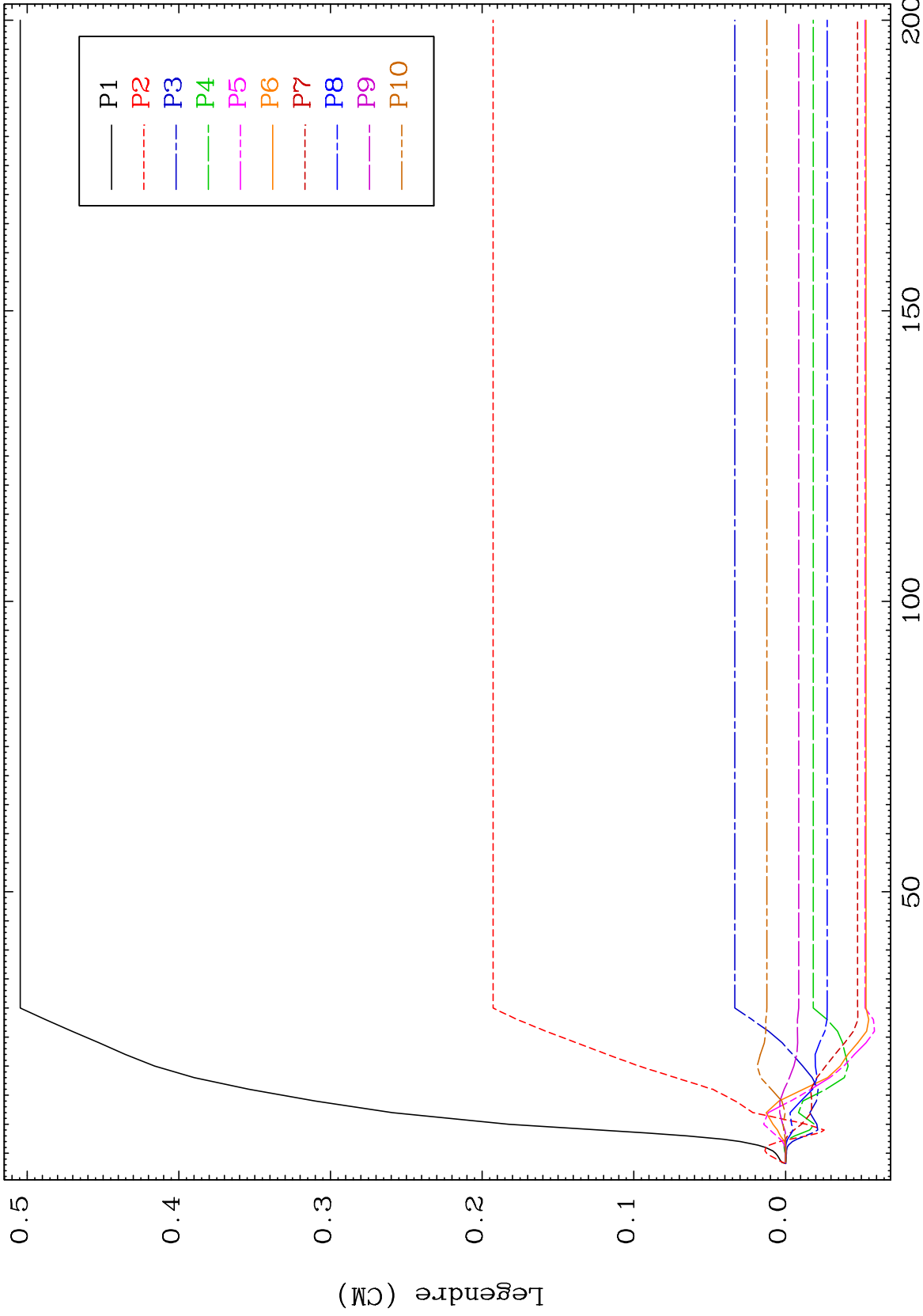
Incident Energy (MeV)

97

MAT 8240

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

82-Pb-209



98

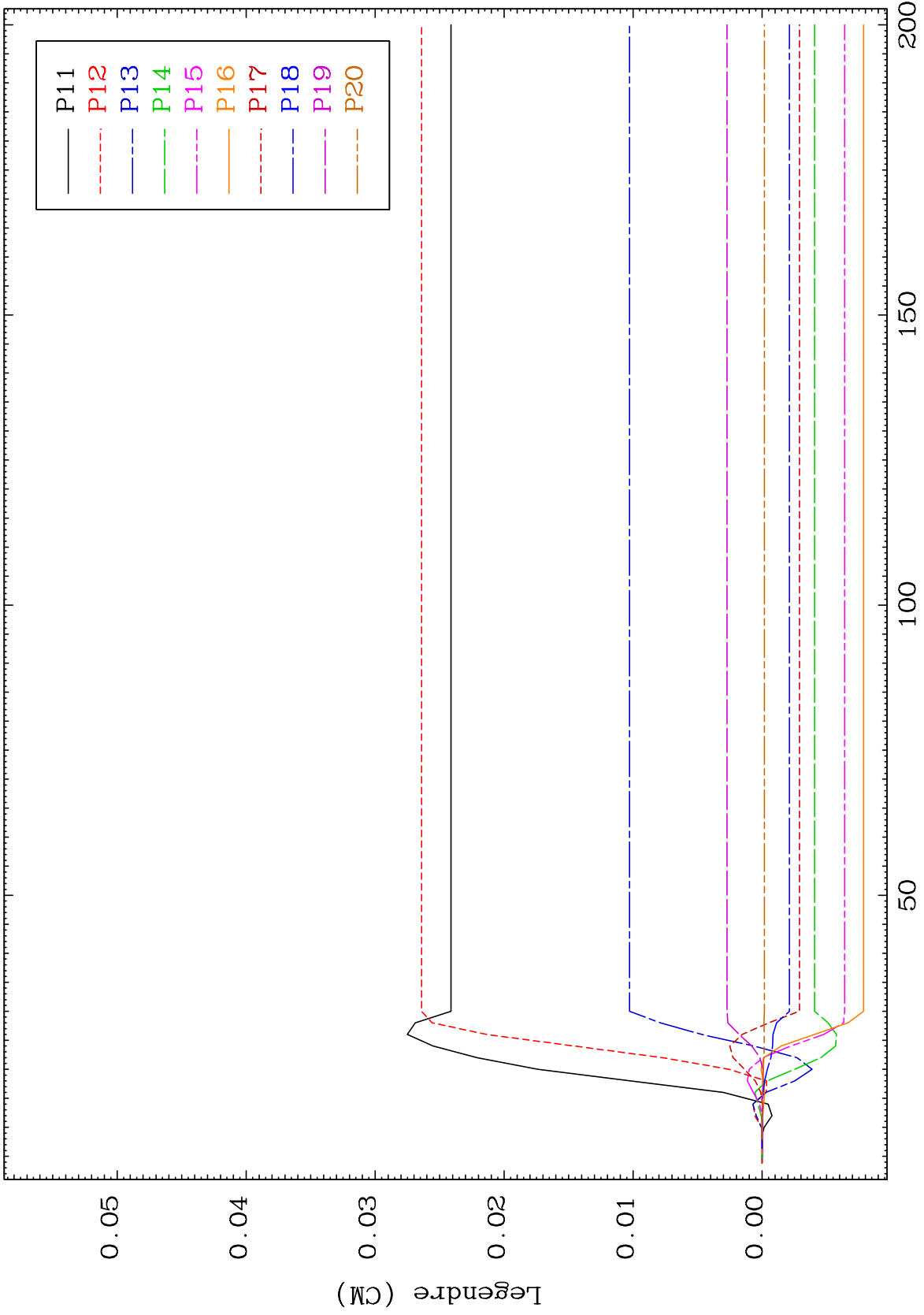
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



99

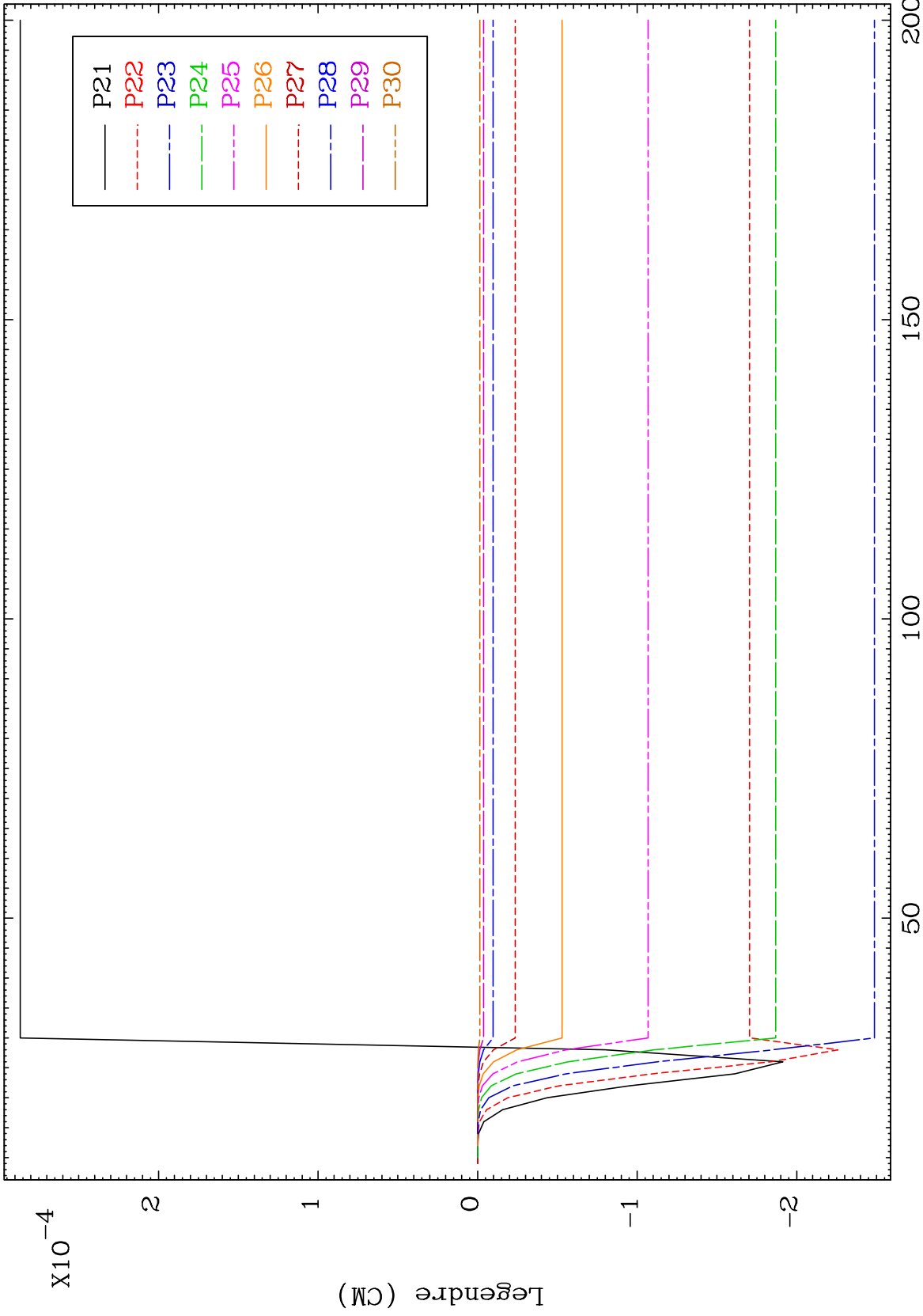
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



100

50

100

150

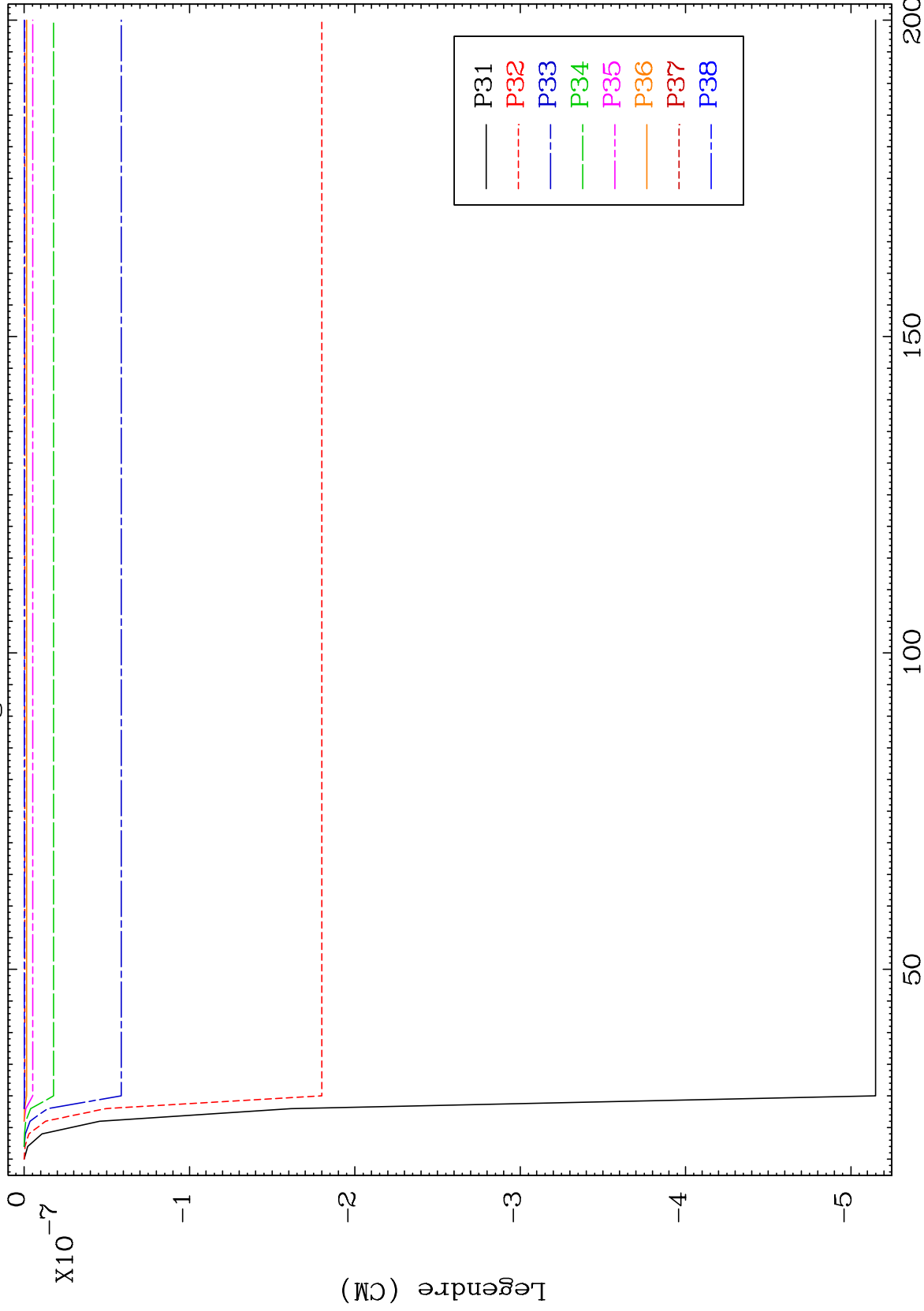
200

82-Pb-209

MAT 8240

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

82-Pb-209



82-Pb-209

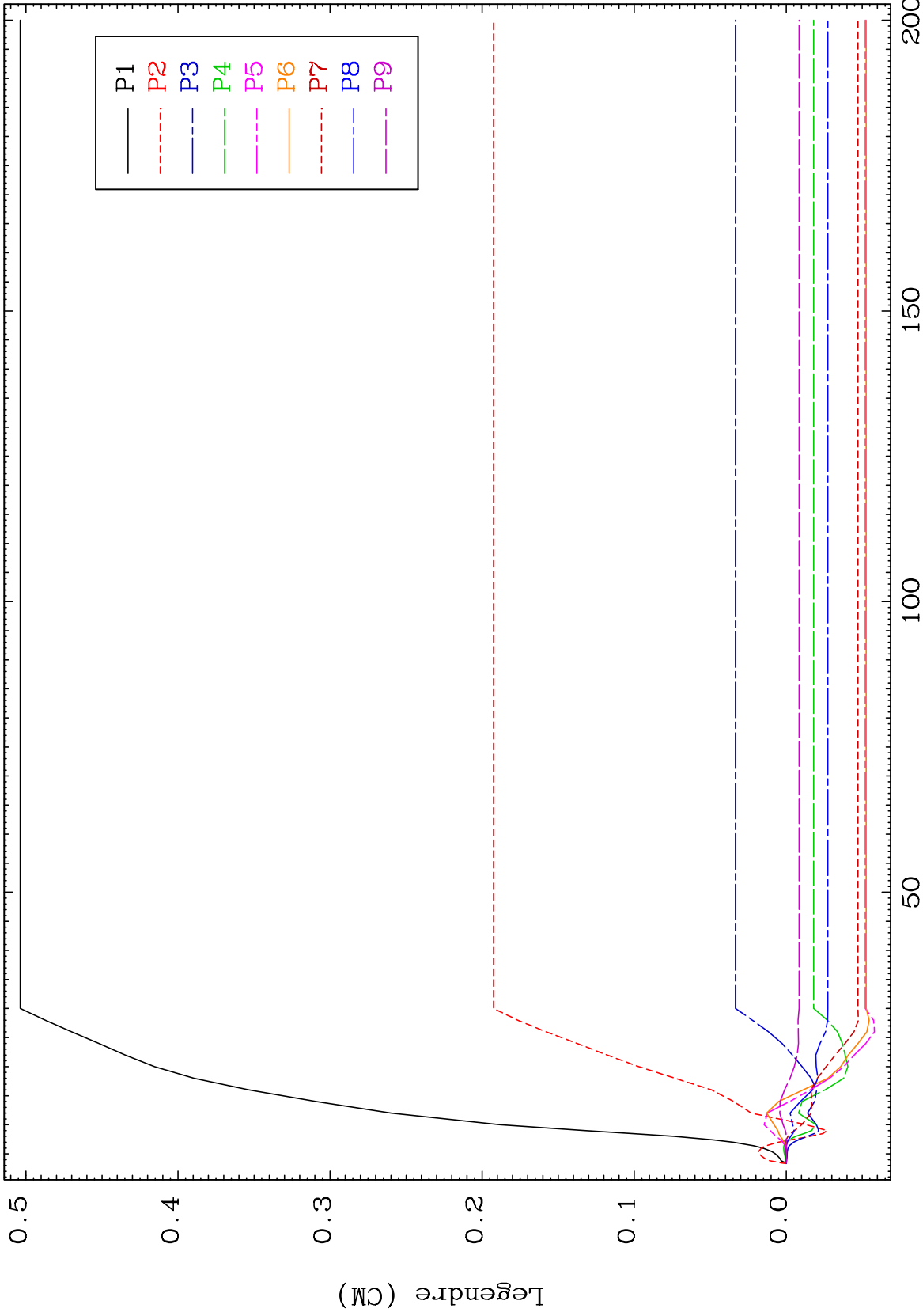
Incident Energy (MeV)

101

MAT 8240

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

82-Pb-209



102

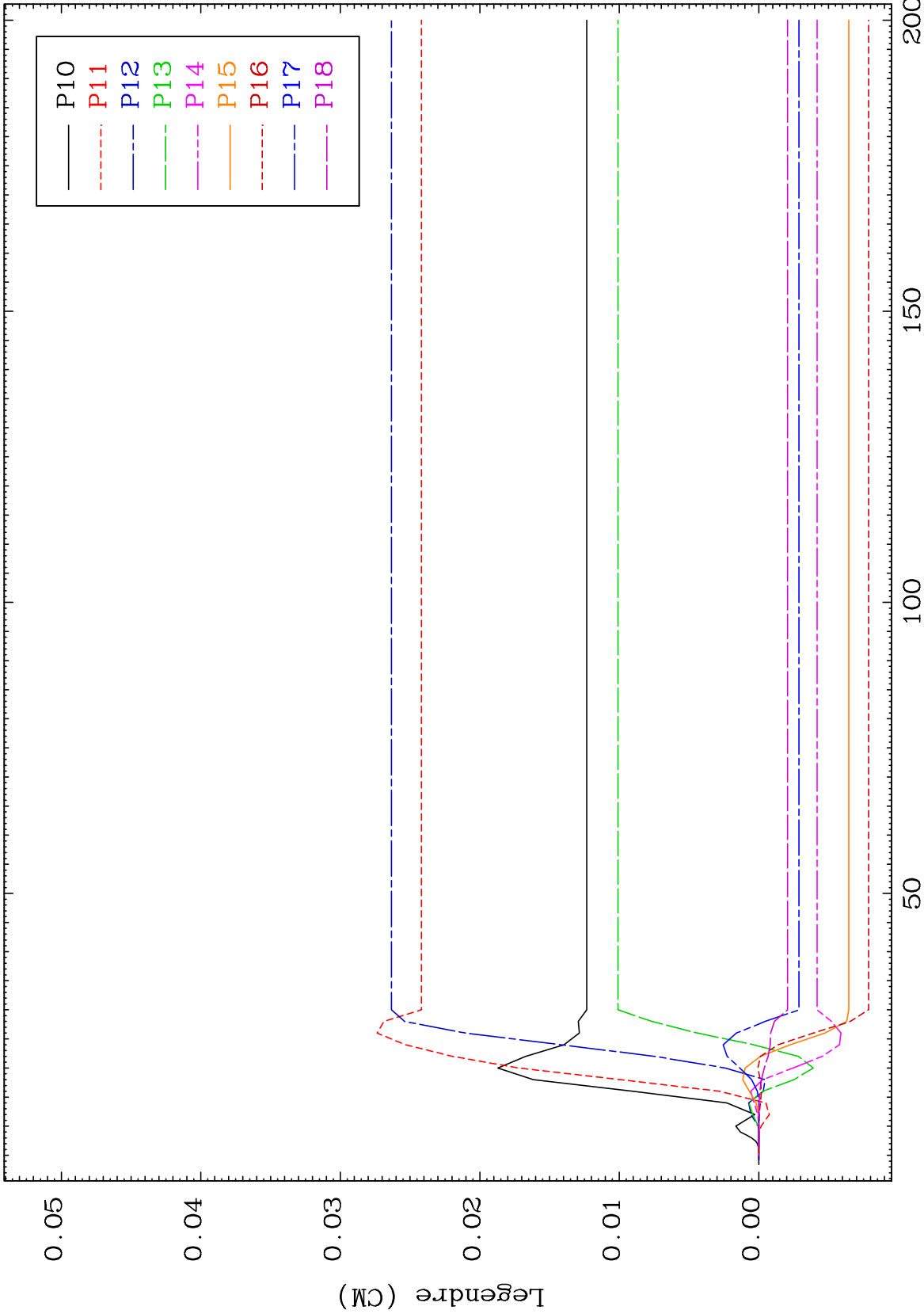
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



103

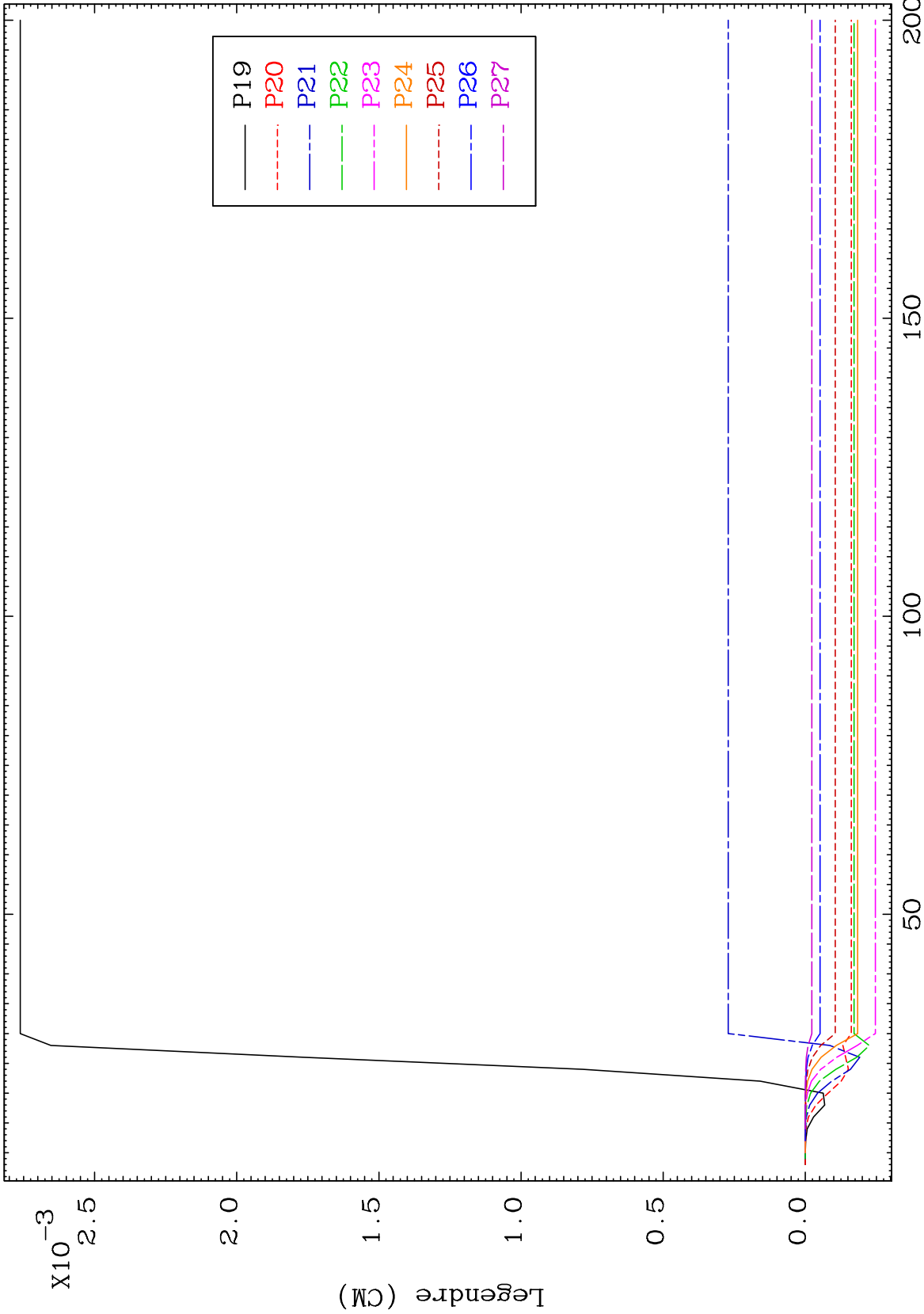
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



104

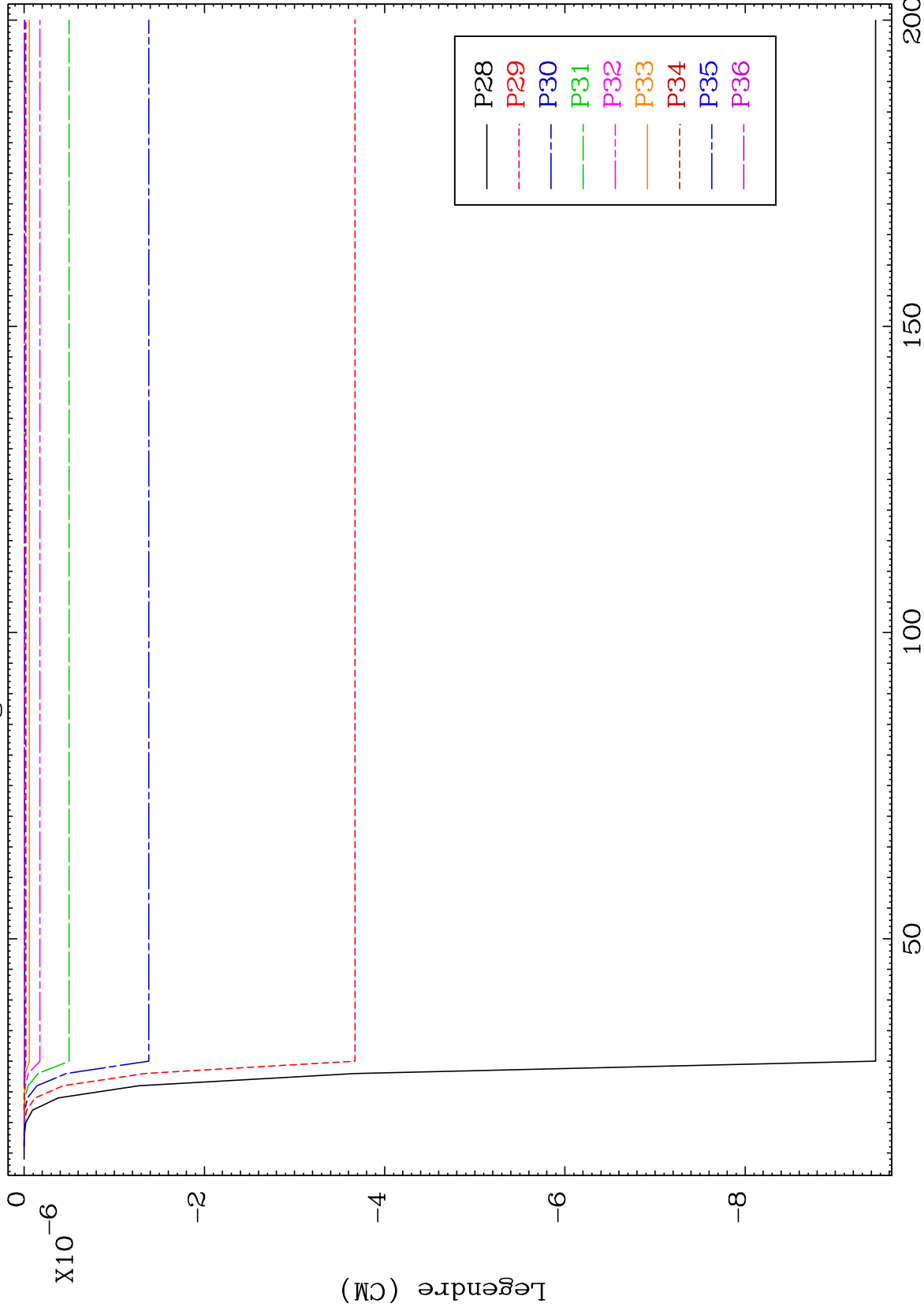
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



82-Pb-209

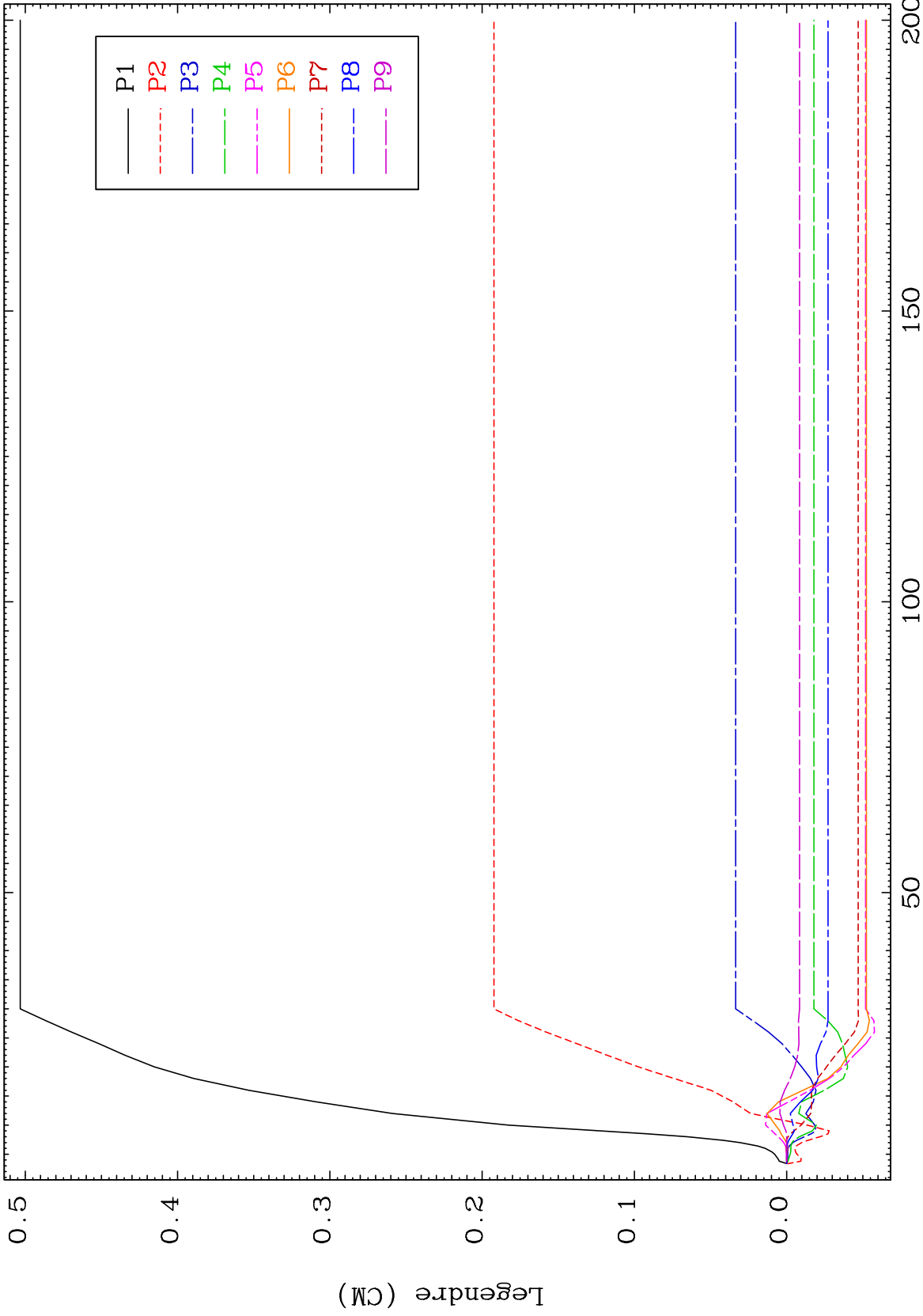
Incident Energy (MeV)

105

MAT 8240

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

82-Pb-209



106

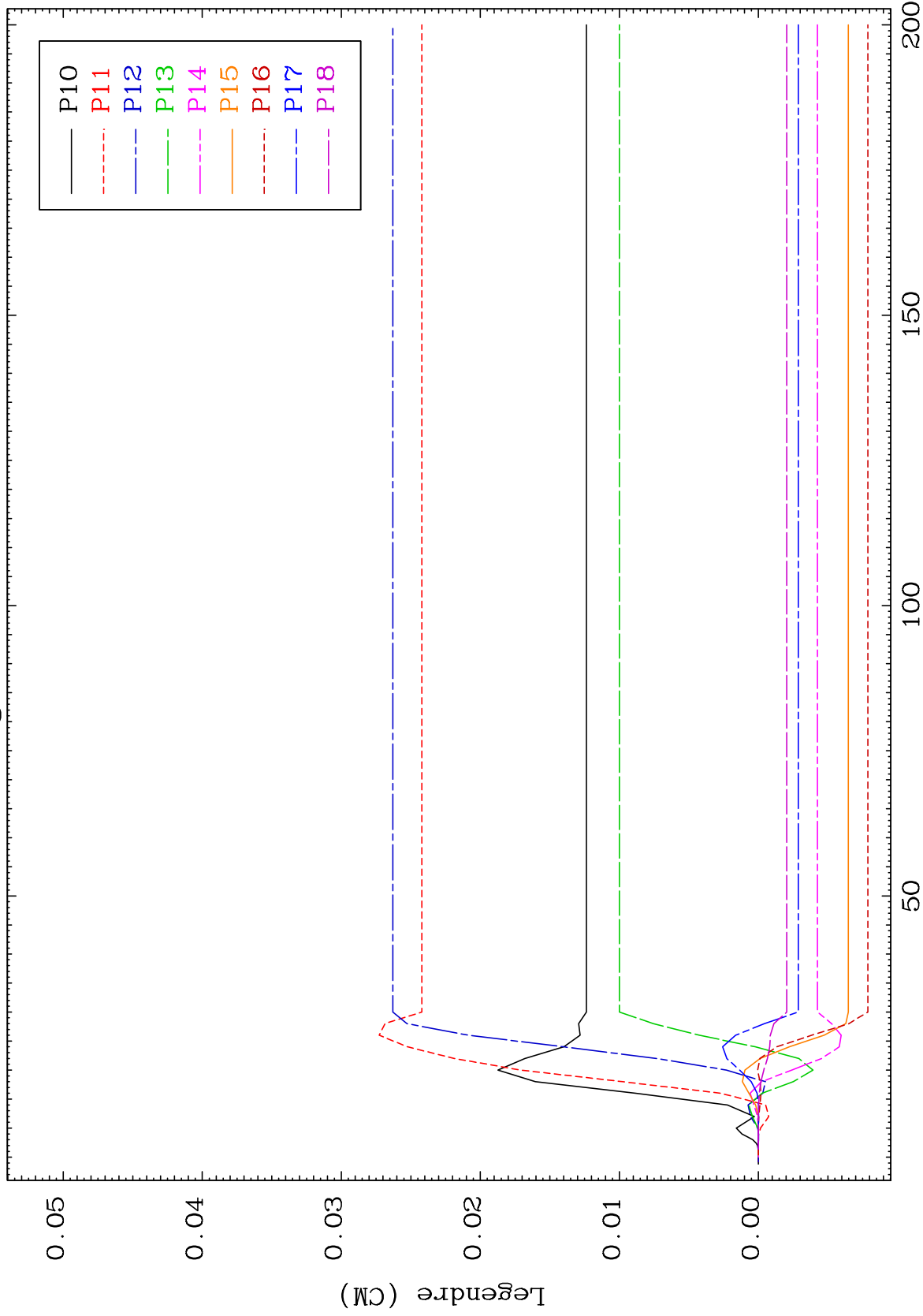
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



107

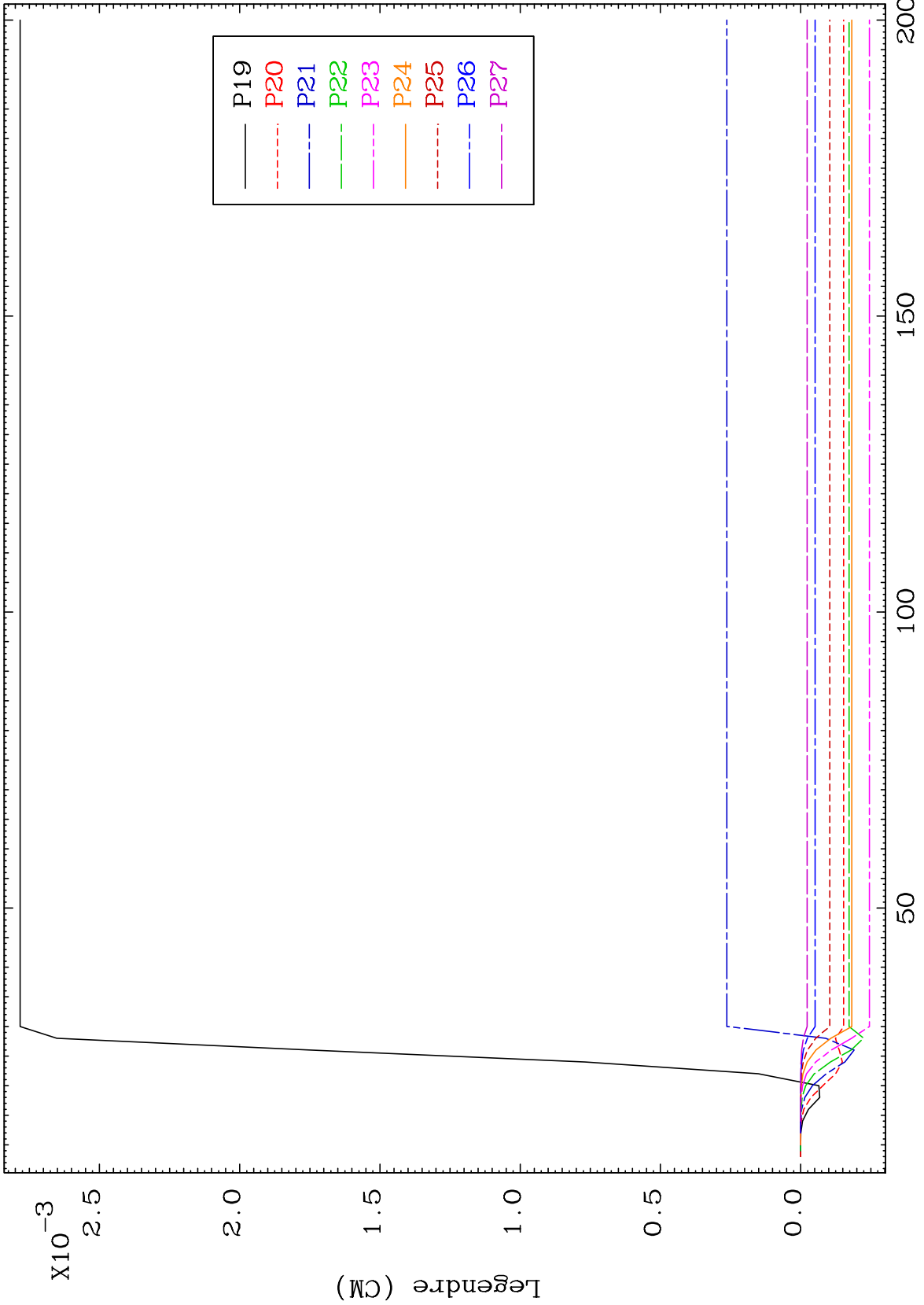
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



108

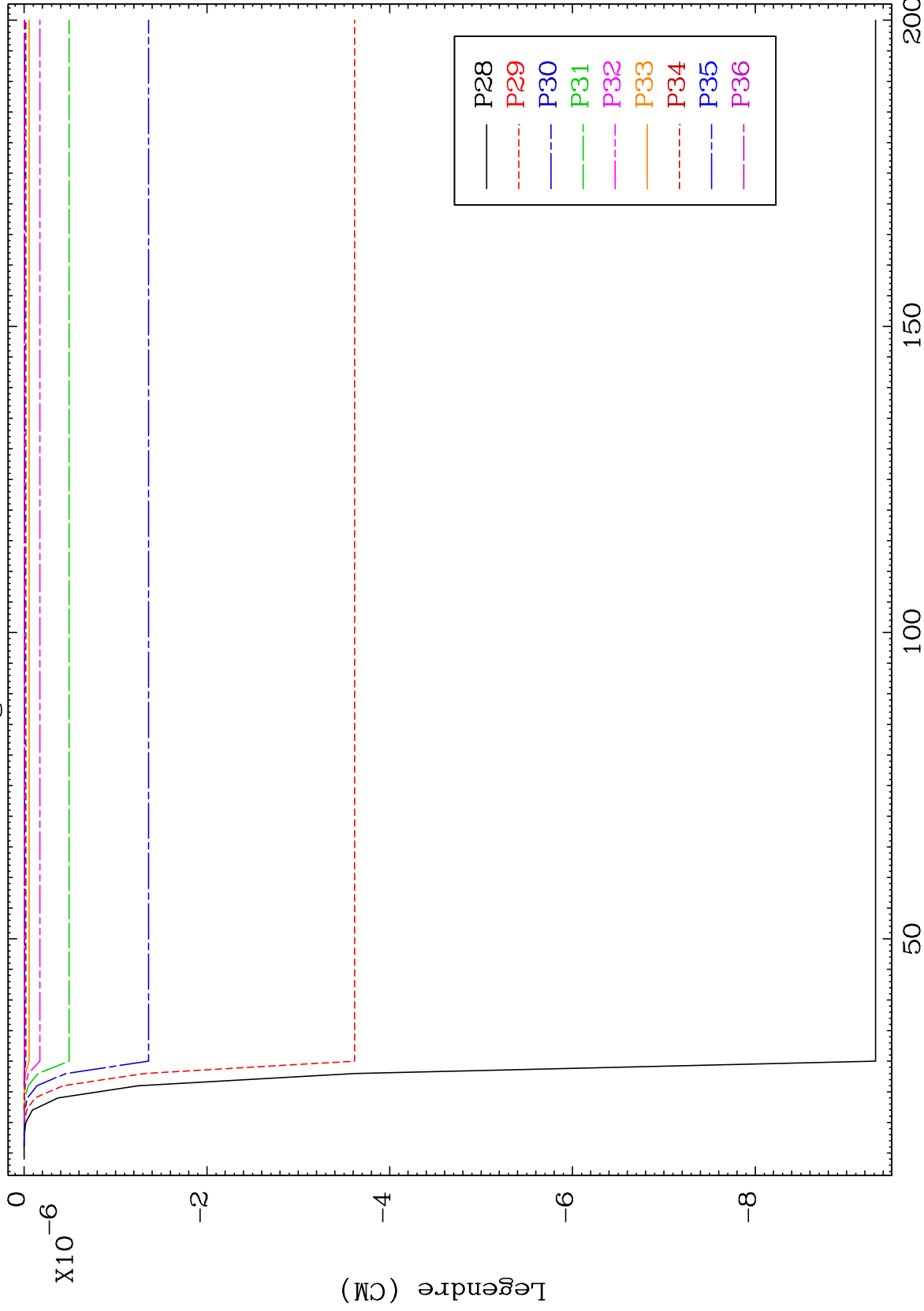
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



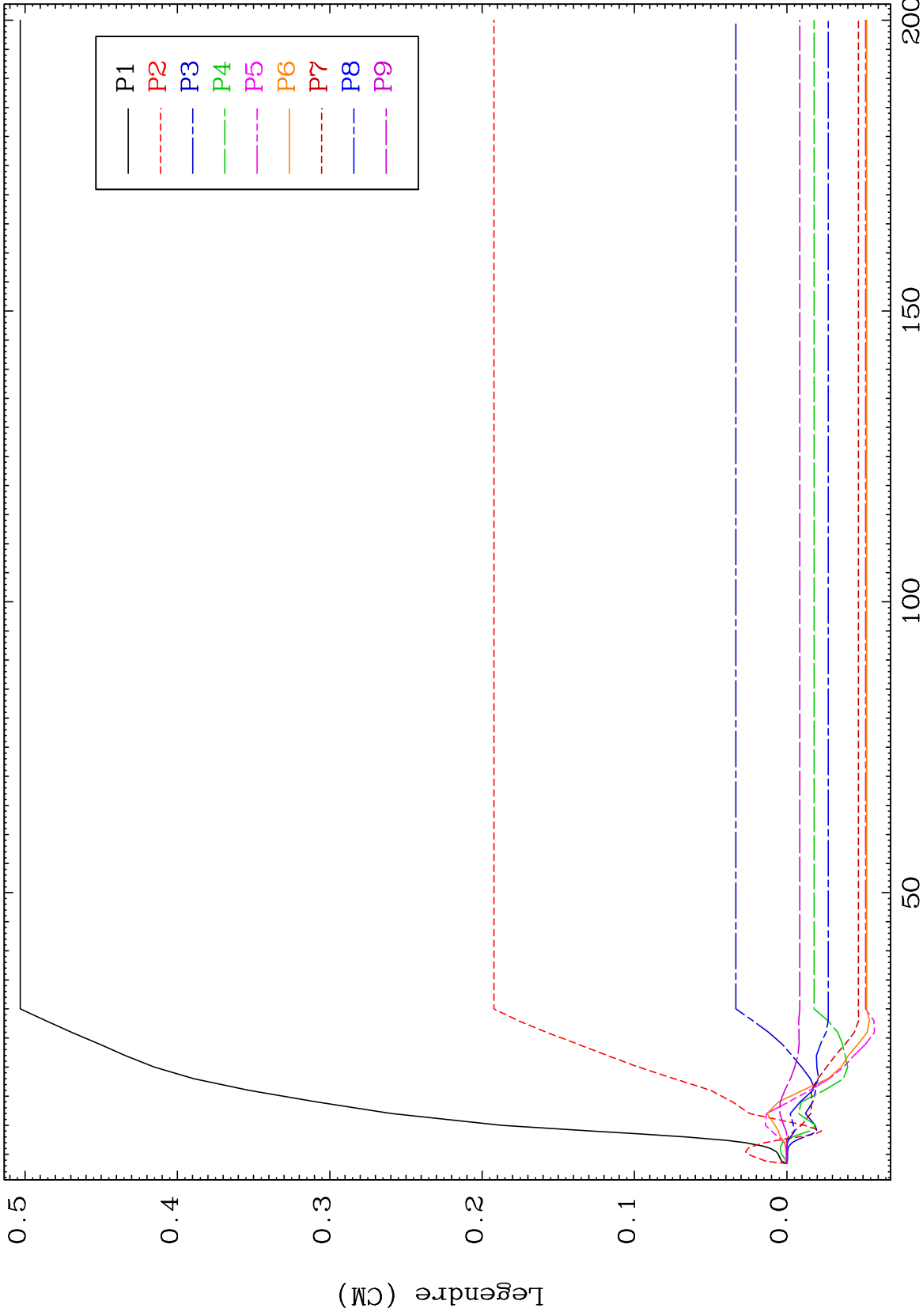
109

82-Pb-209

MAT 8240

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

82-Pb-209



110

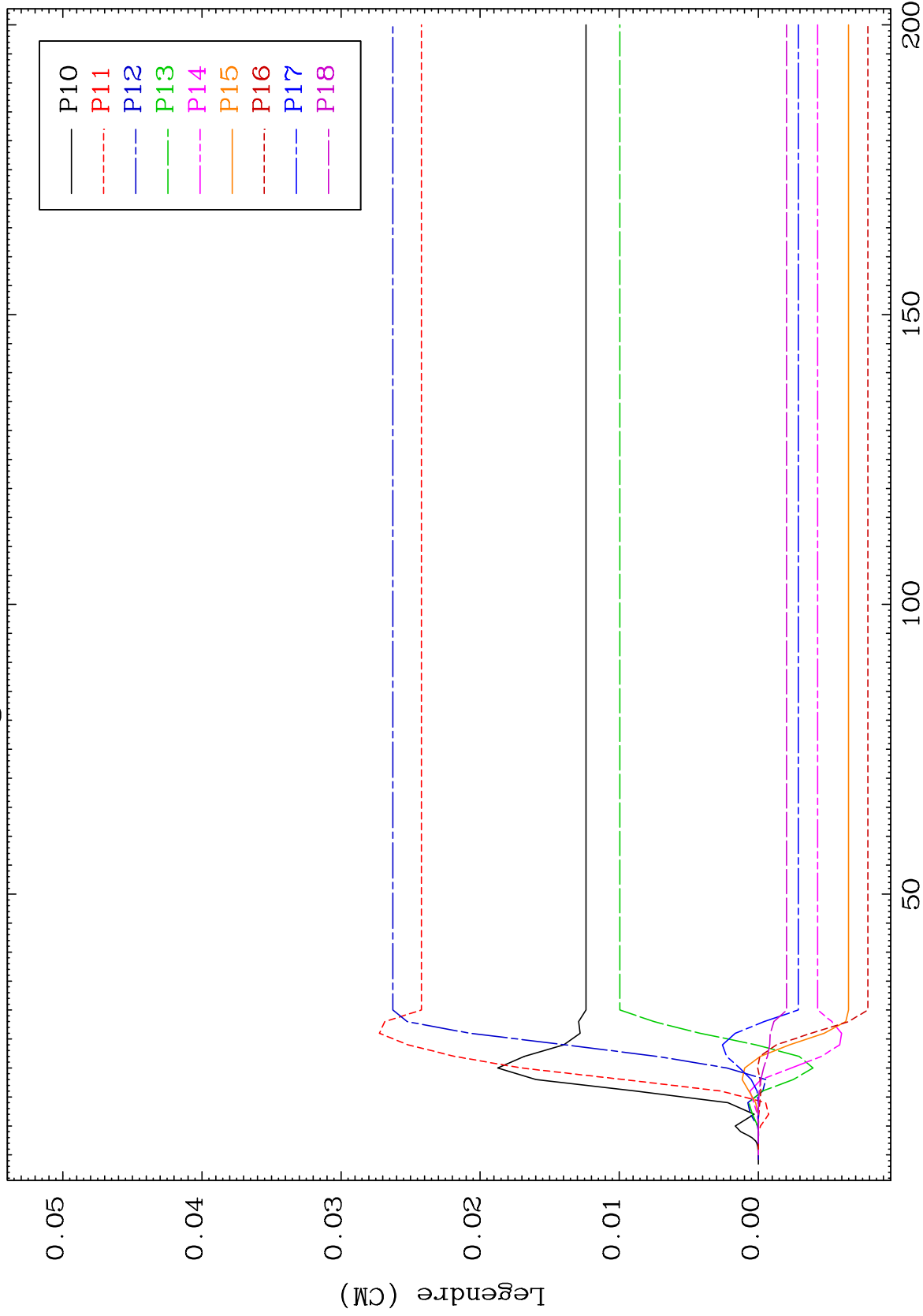
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



111

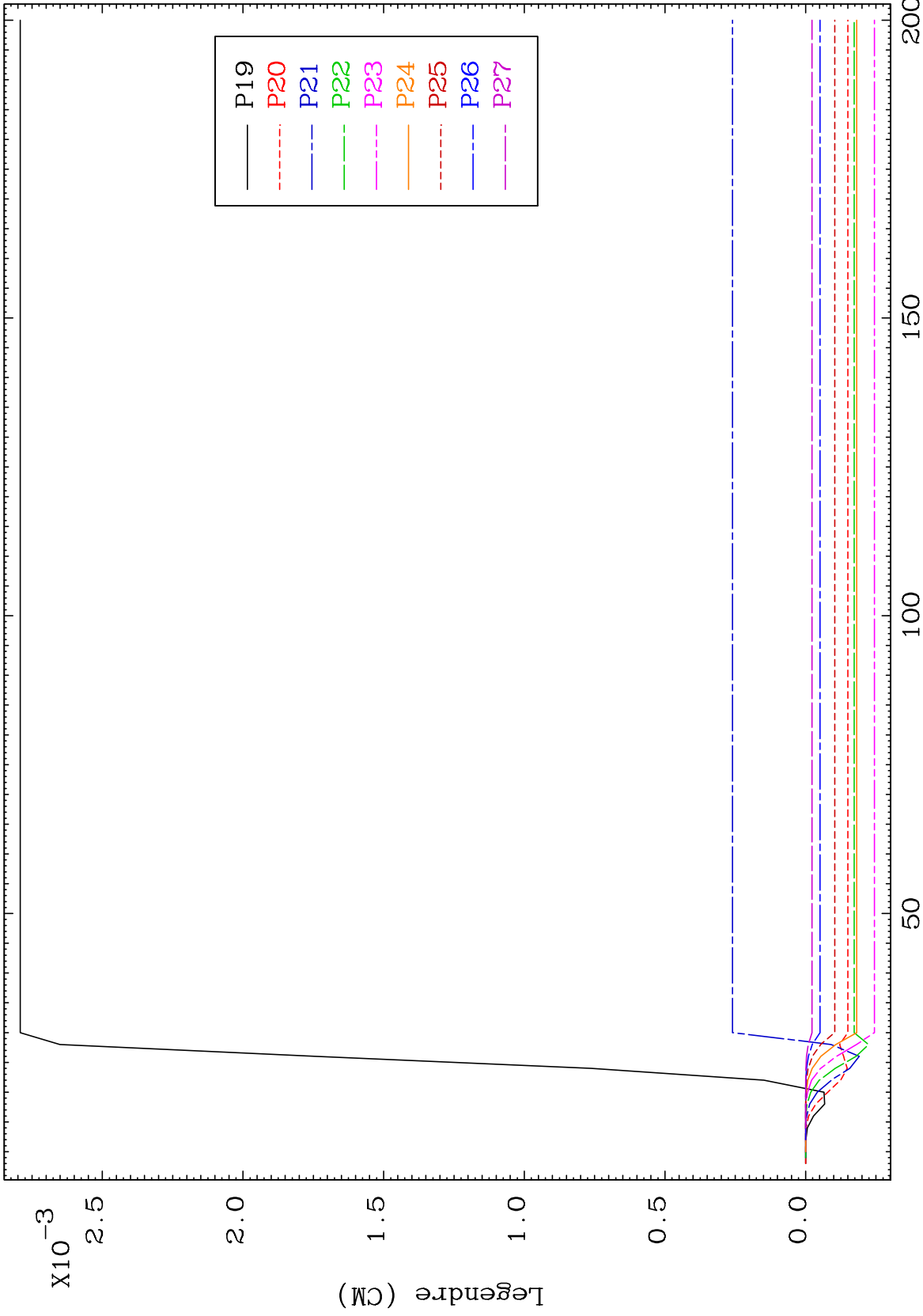
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209

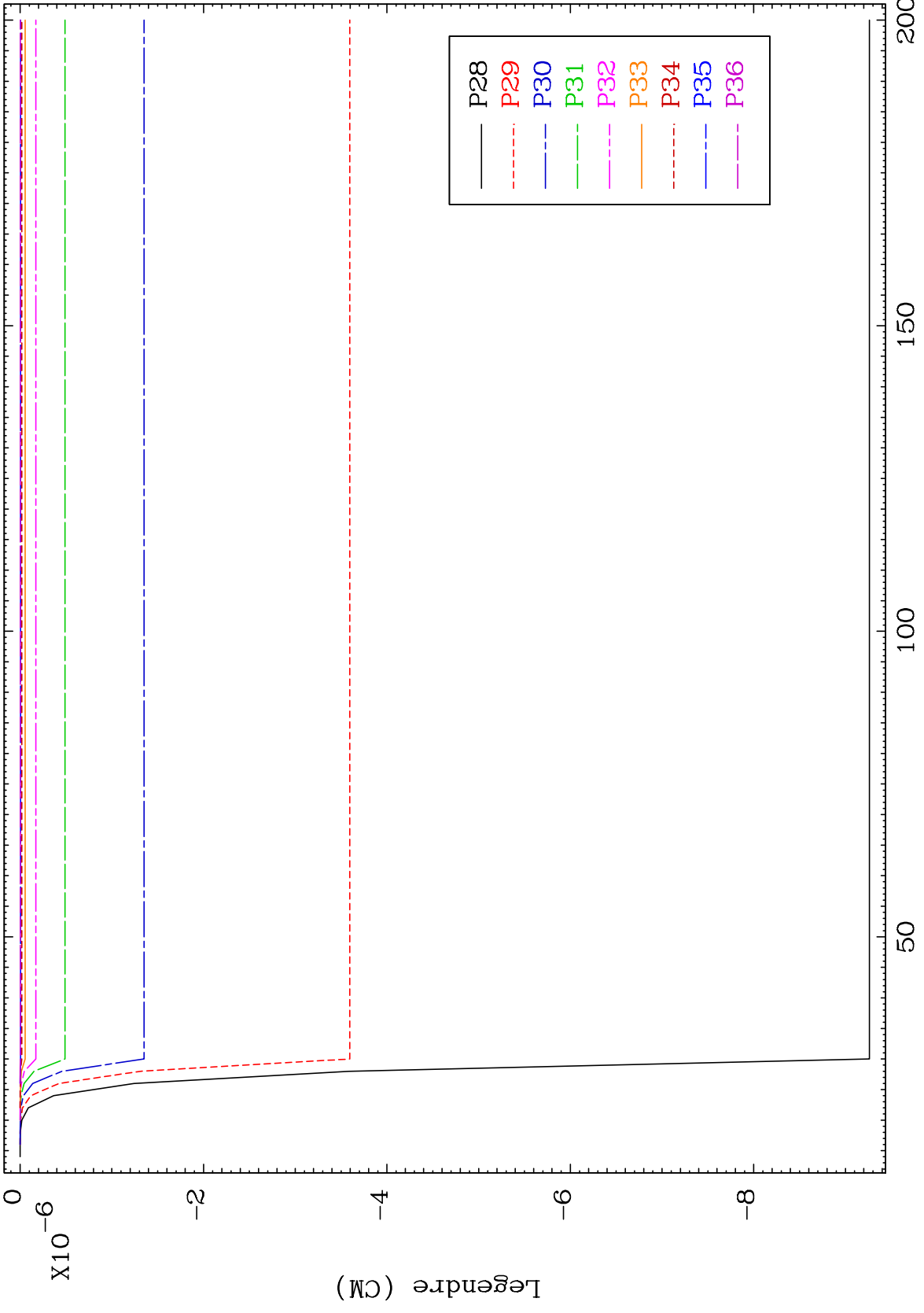


112

Incident Energy (MeV)

82-Pb-209

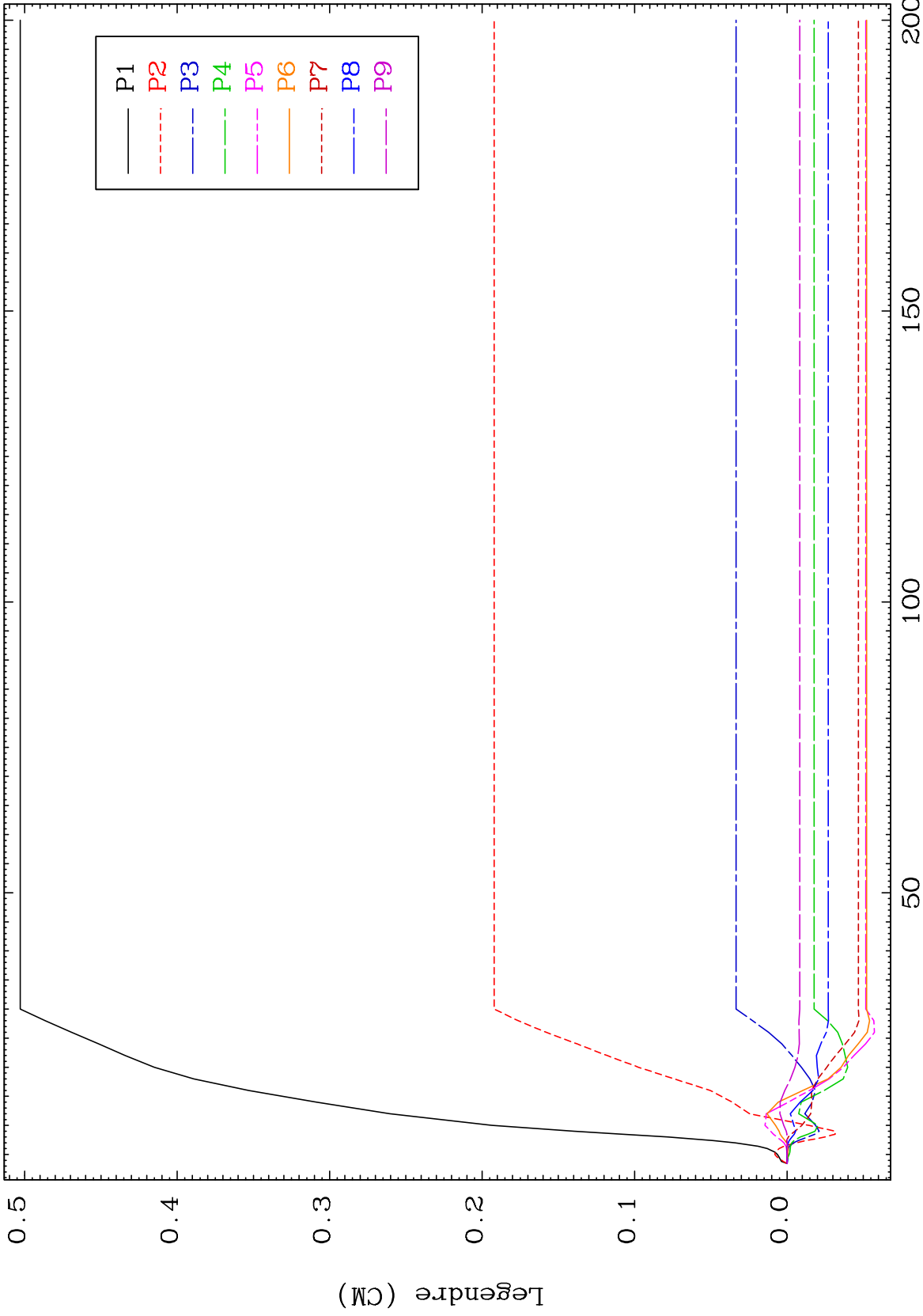
MAT 8240 MT= 76 (n,n') Level Legendre Coefficients 82-Pb-209



MAT 8240

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

82-Pb-209



114

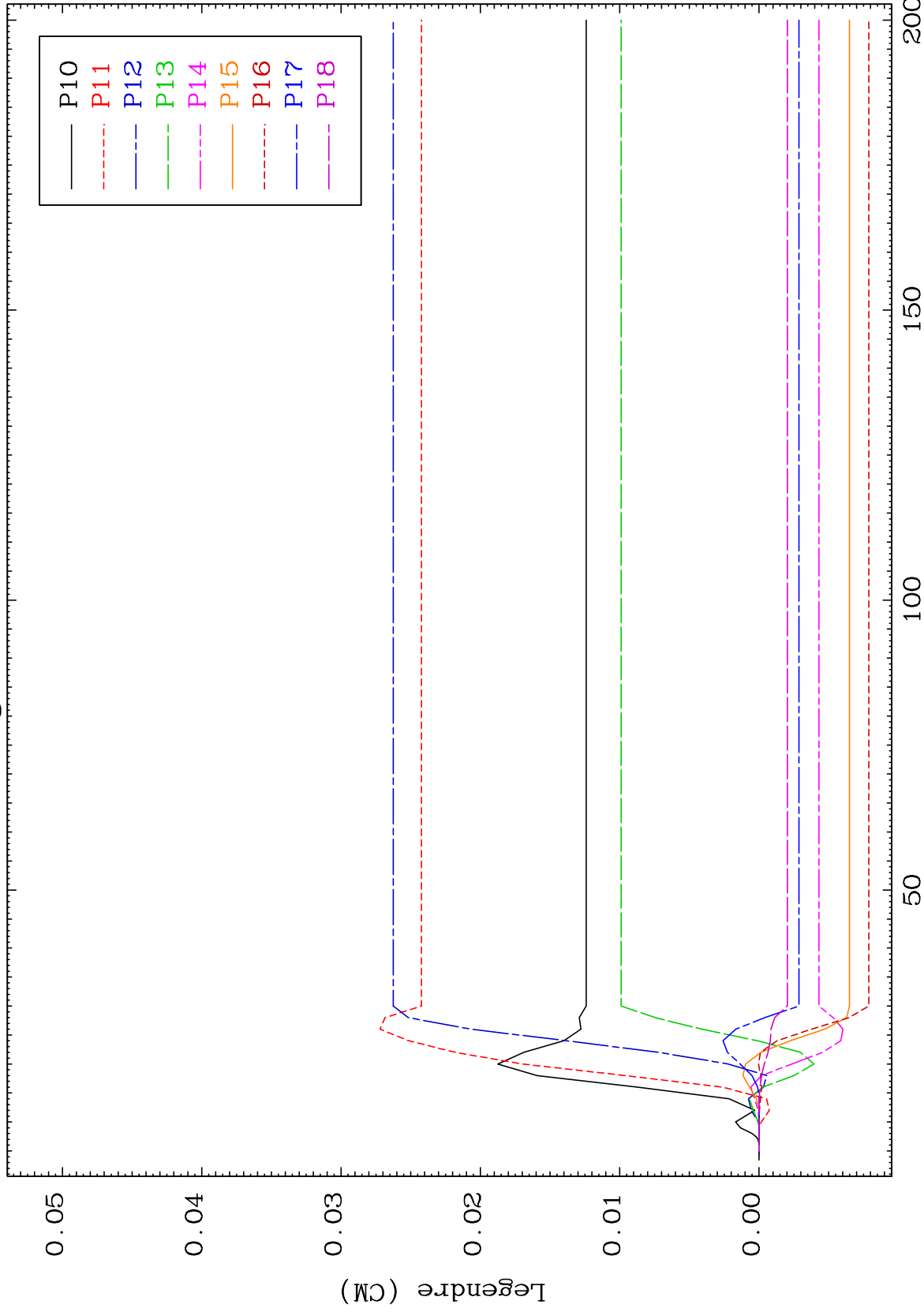
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



115

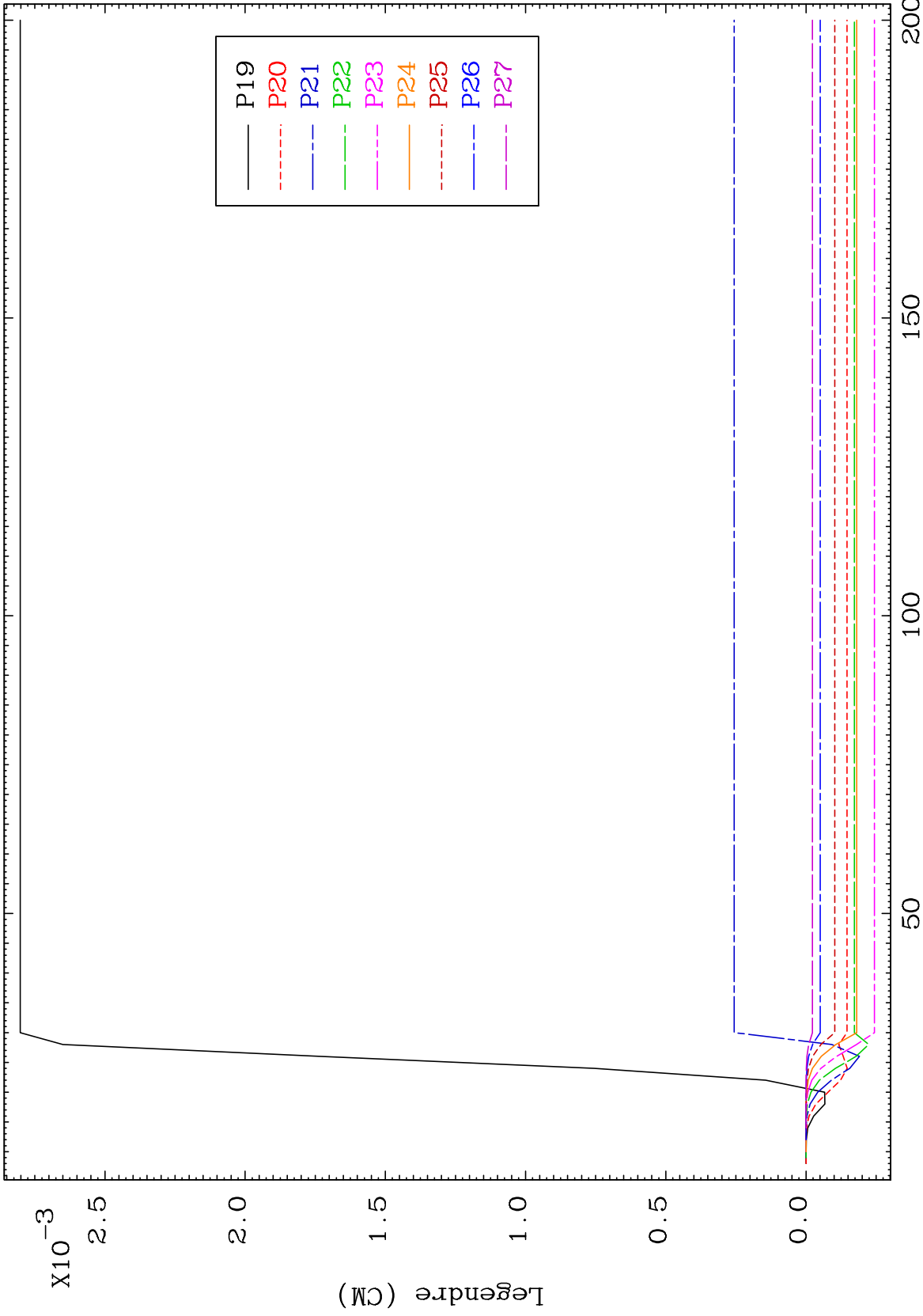
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



116

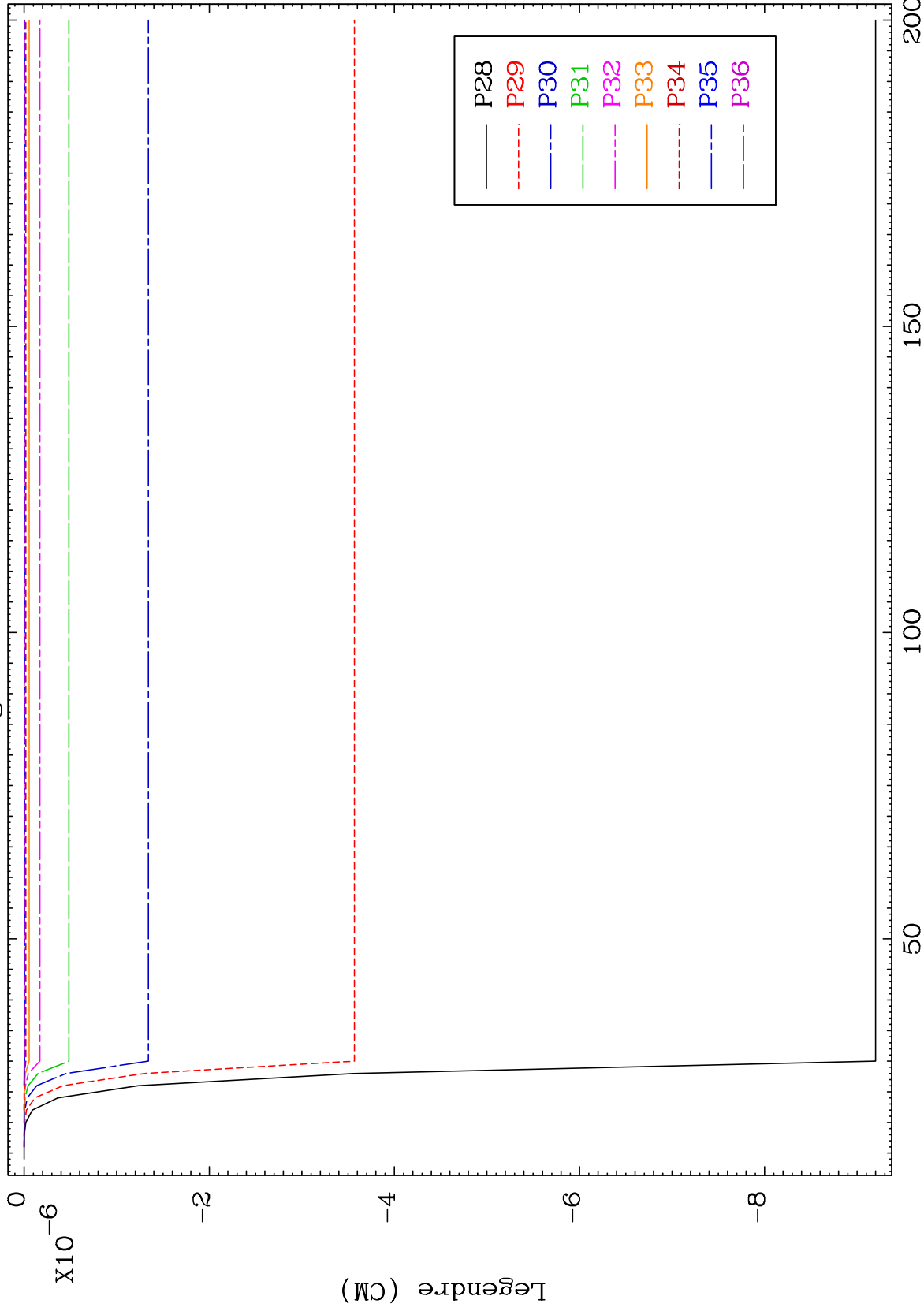
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



117

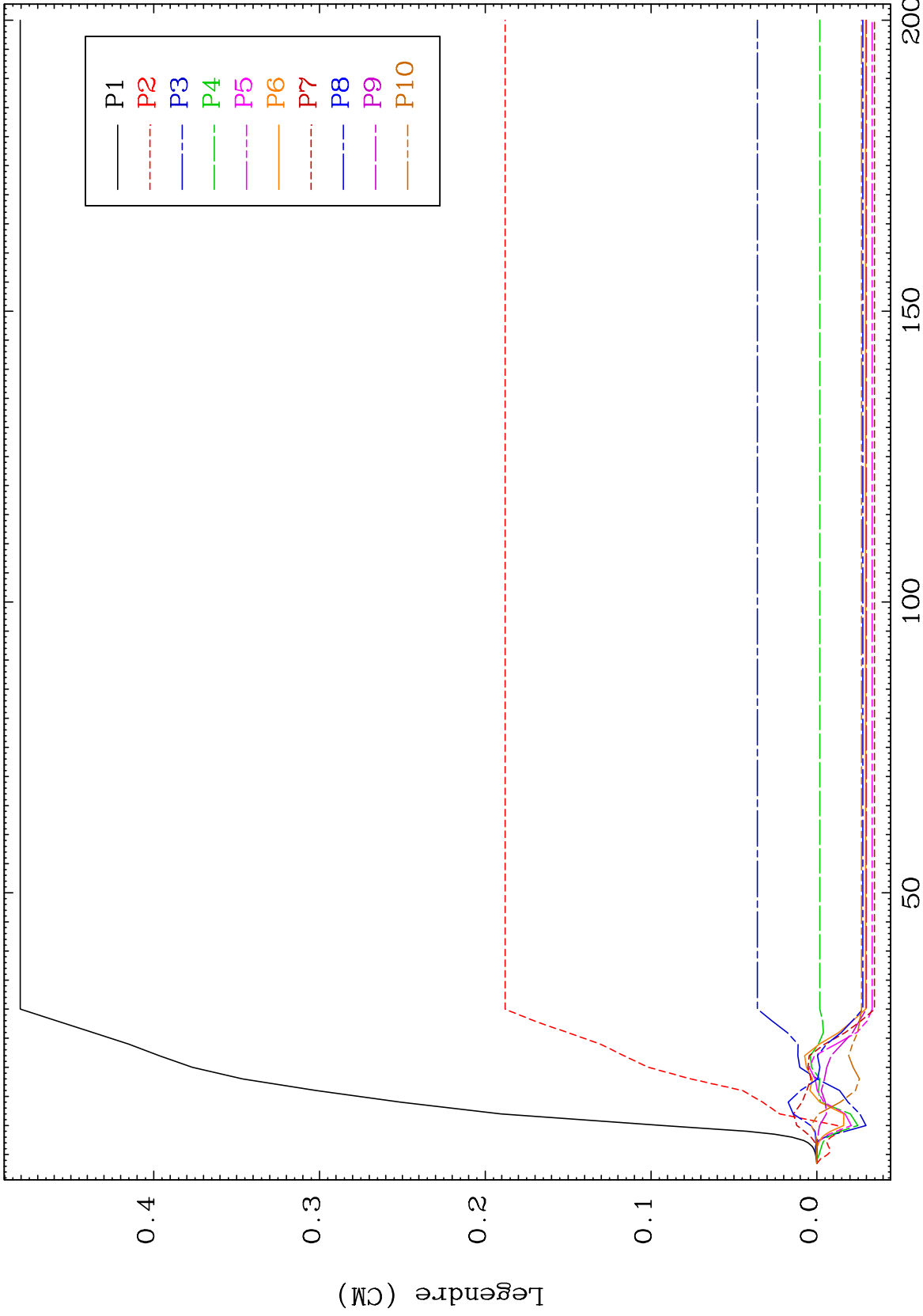
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



118

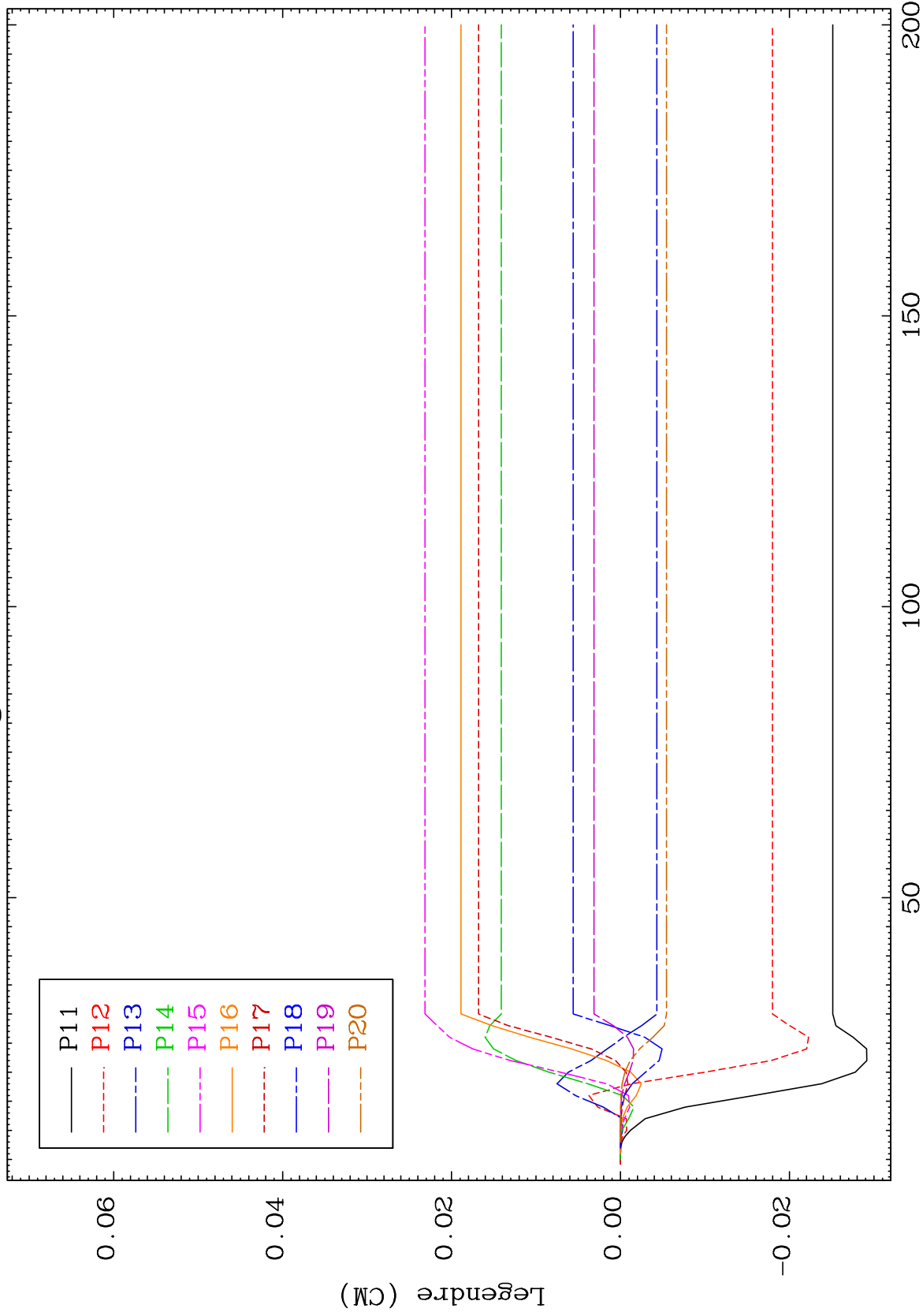
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



119

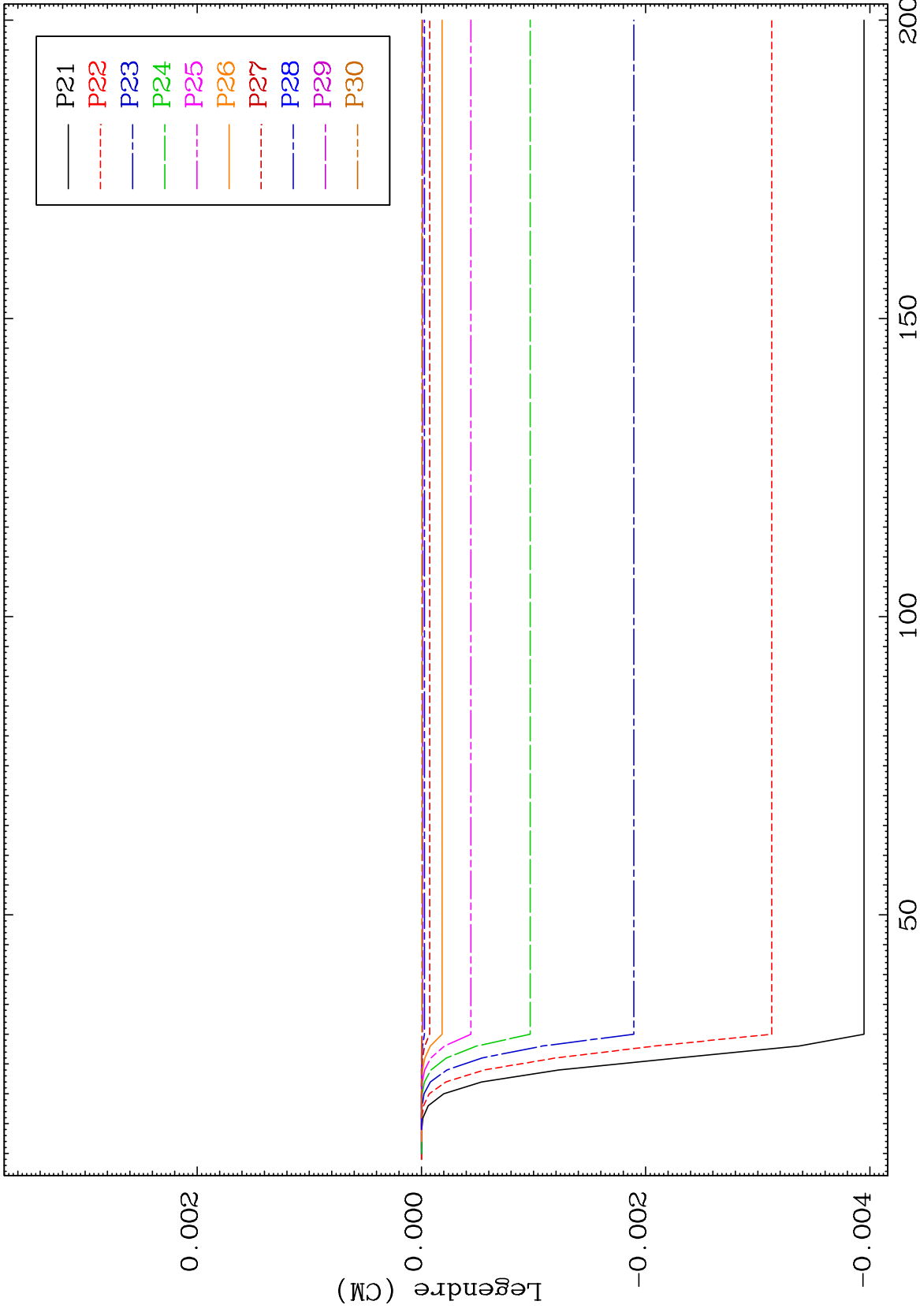
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



120

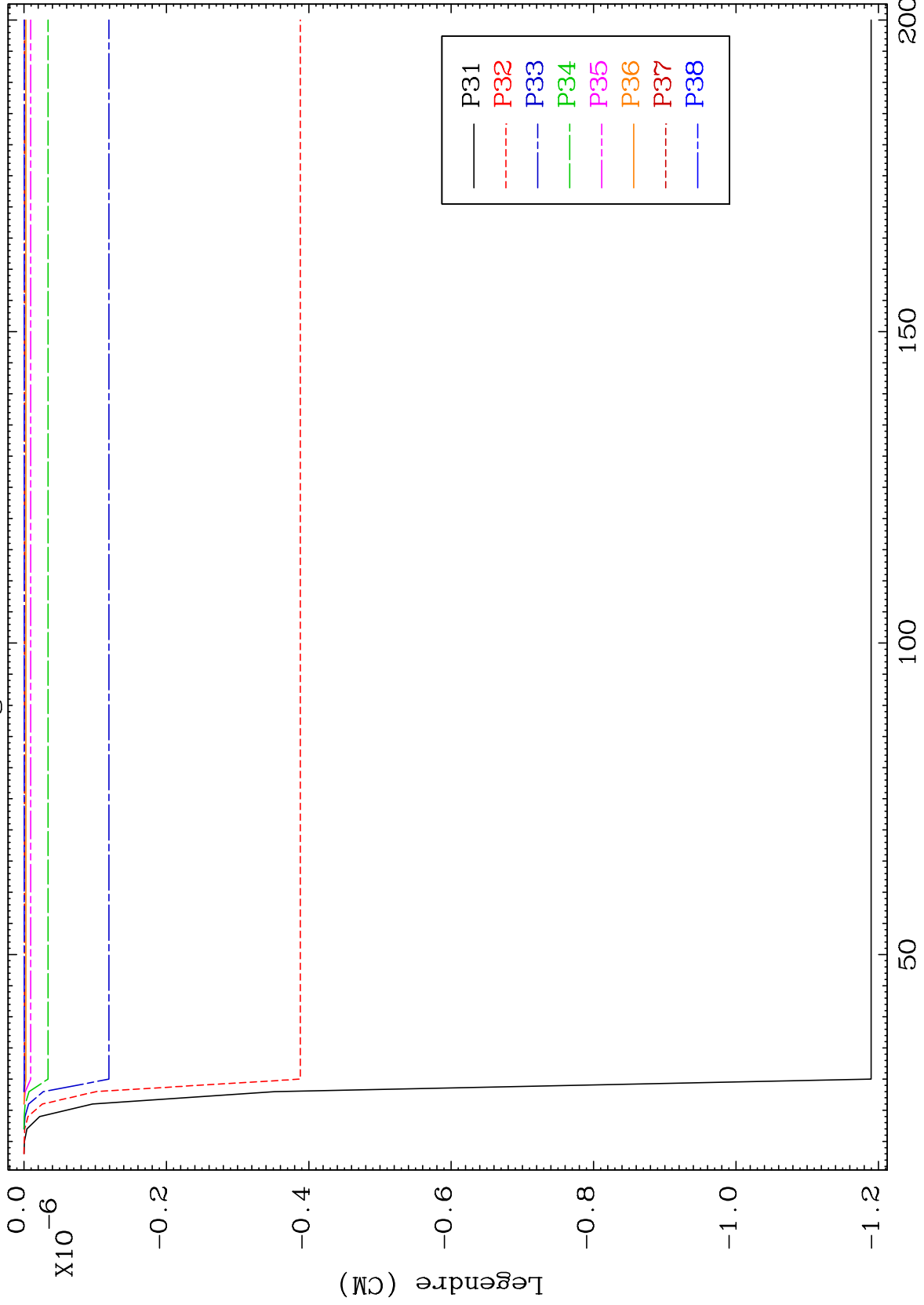
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

82-Pb-209



82-Pb-209

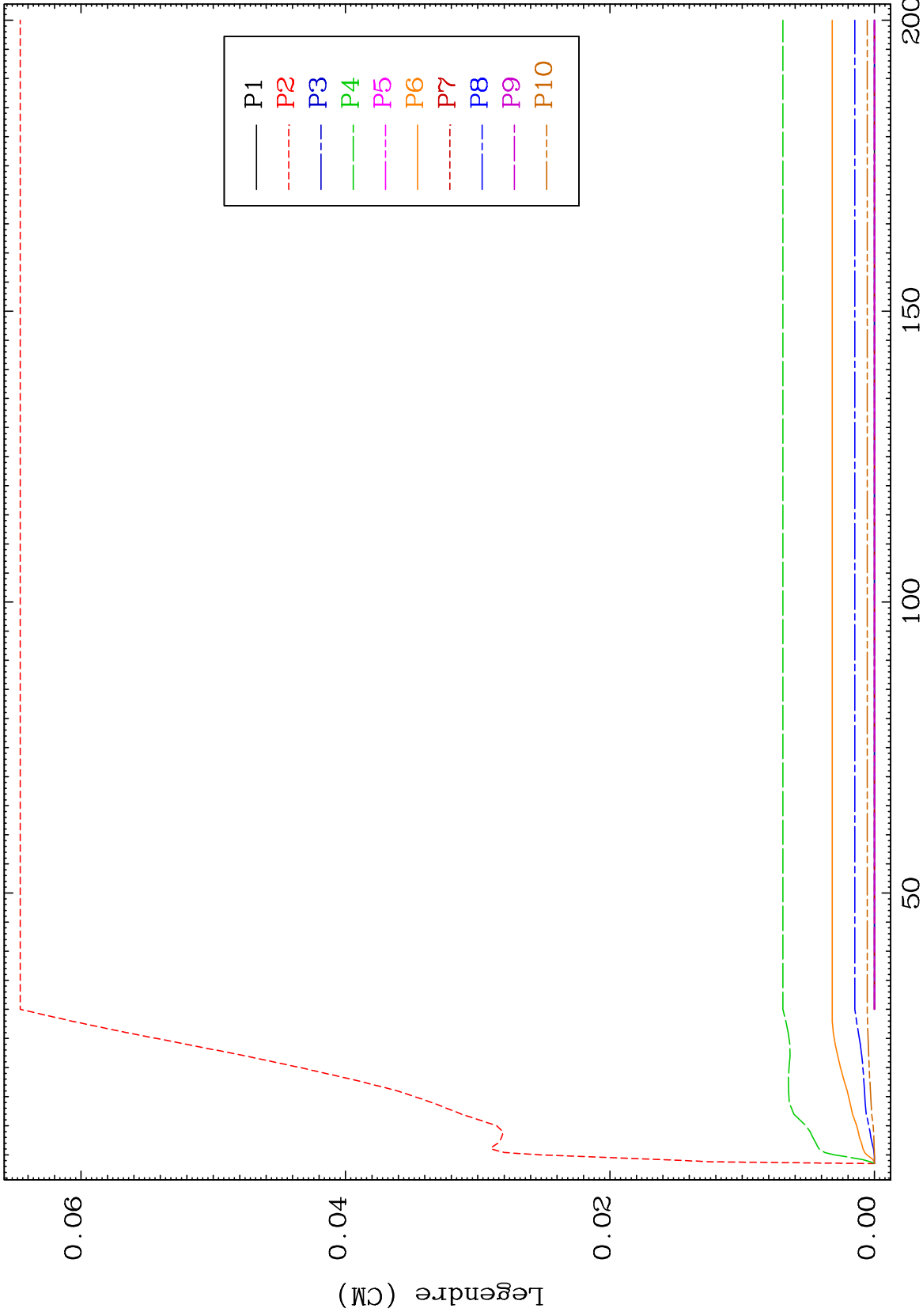
Incident Energy (MeV)

121

MAT 8240

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

82-Pb-209



122

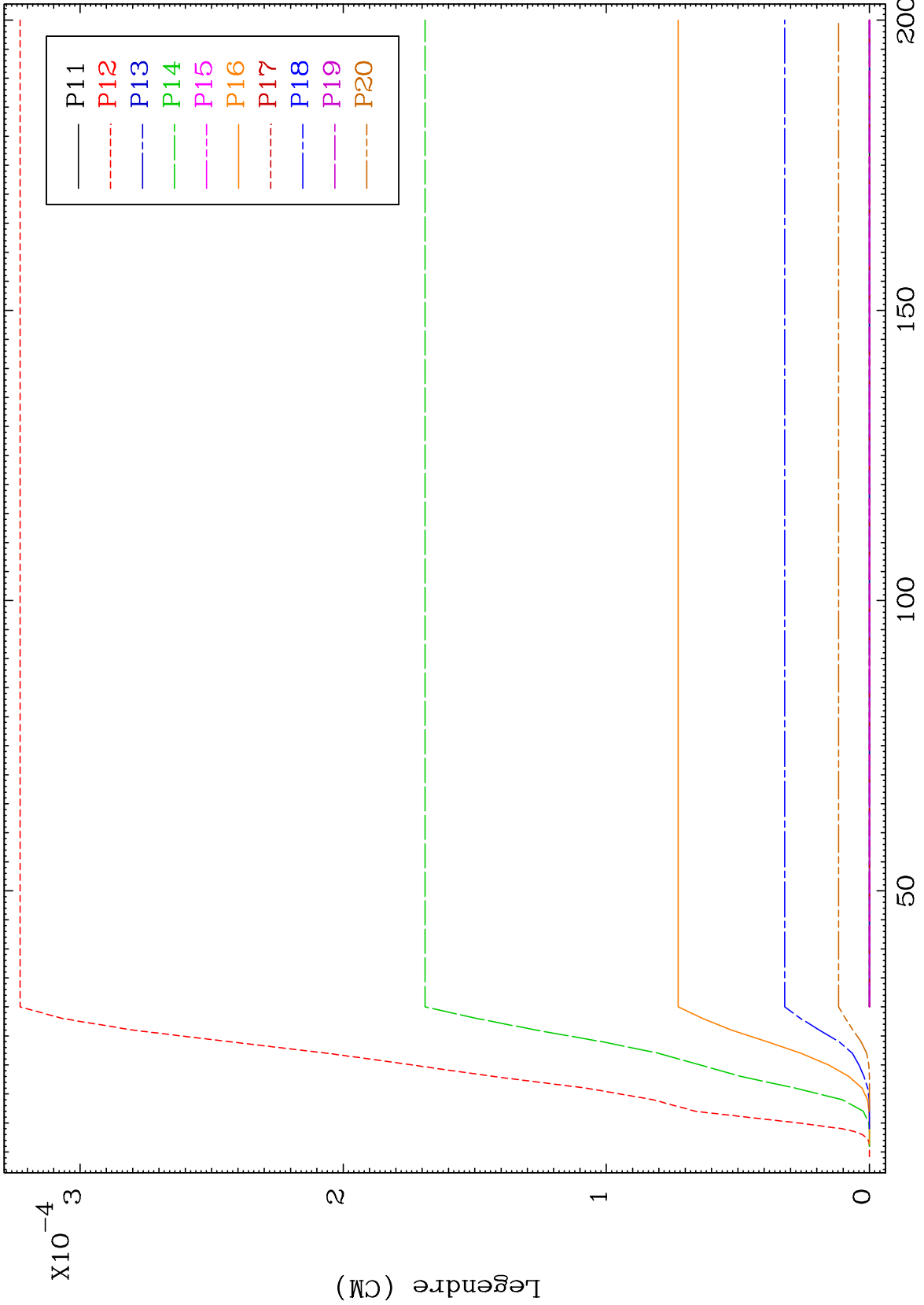
Incident Energy (MeV)

82-Pb-209

MAT 8240

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

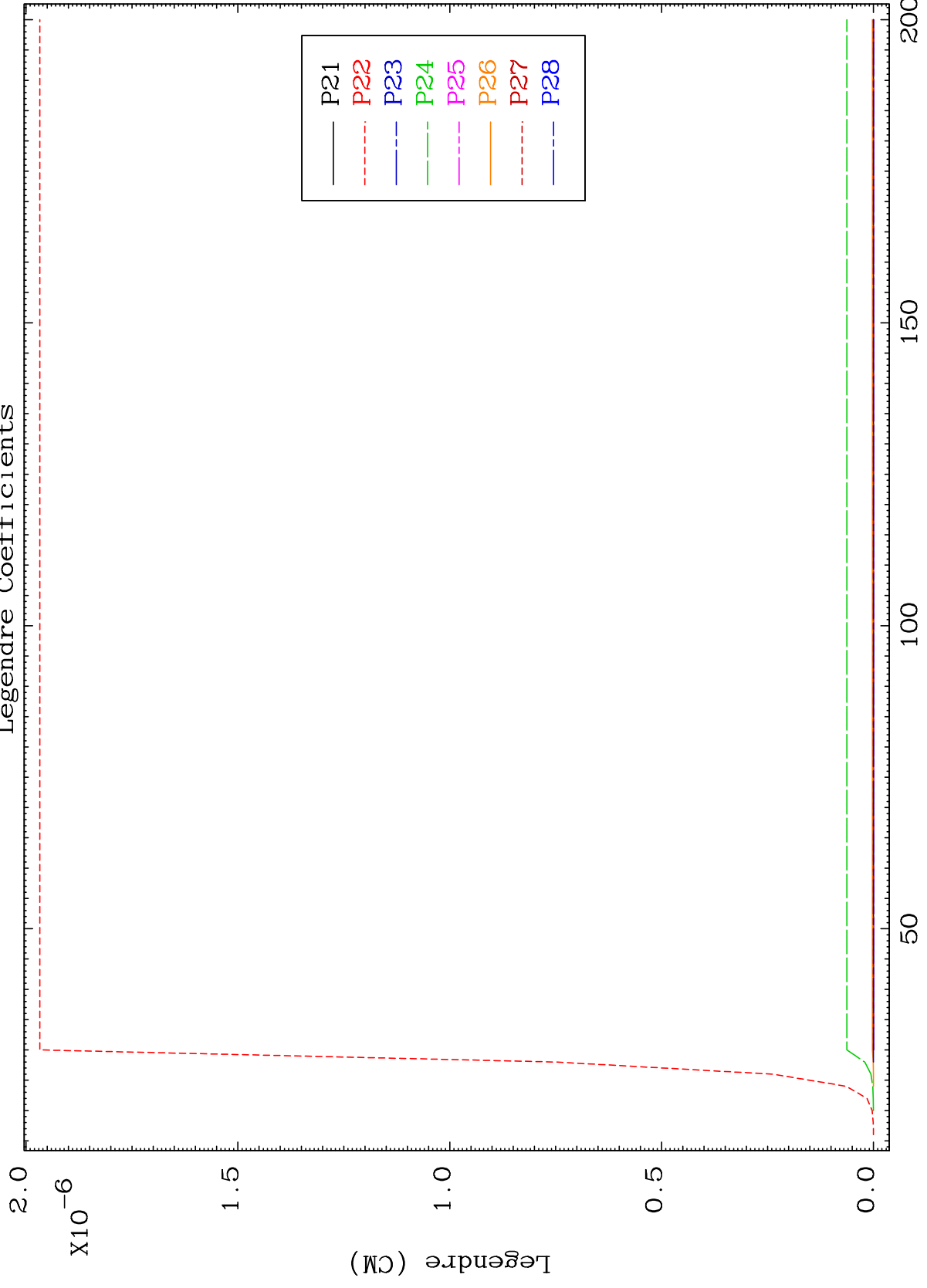
82-Pb-209



123

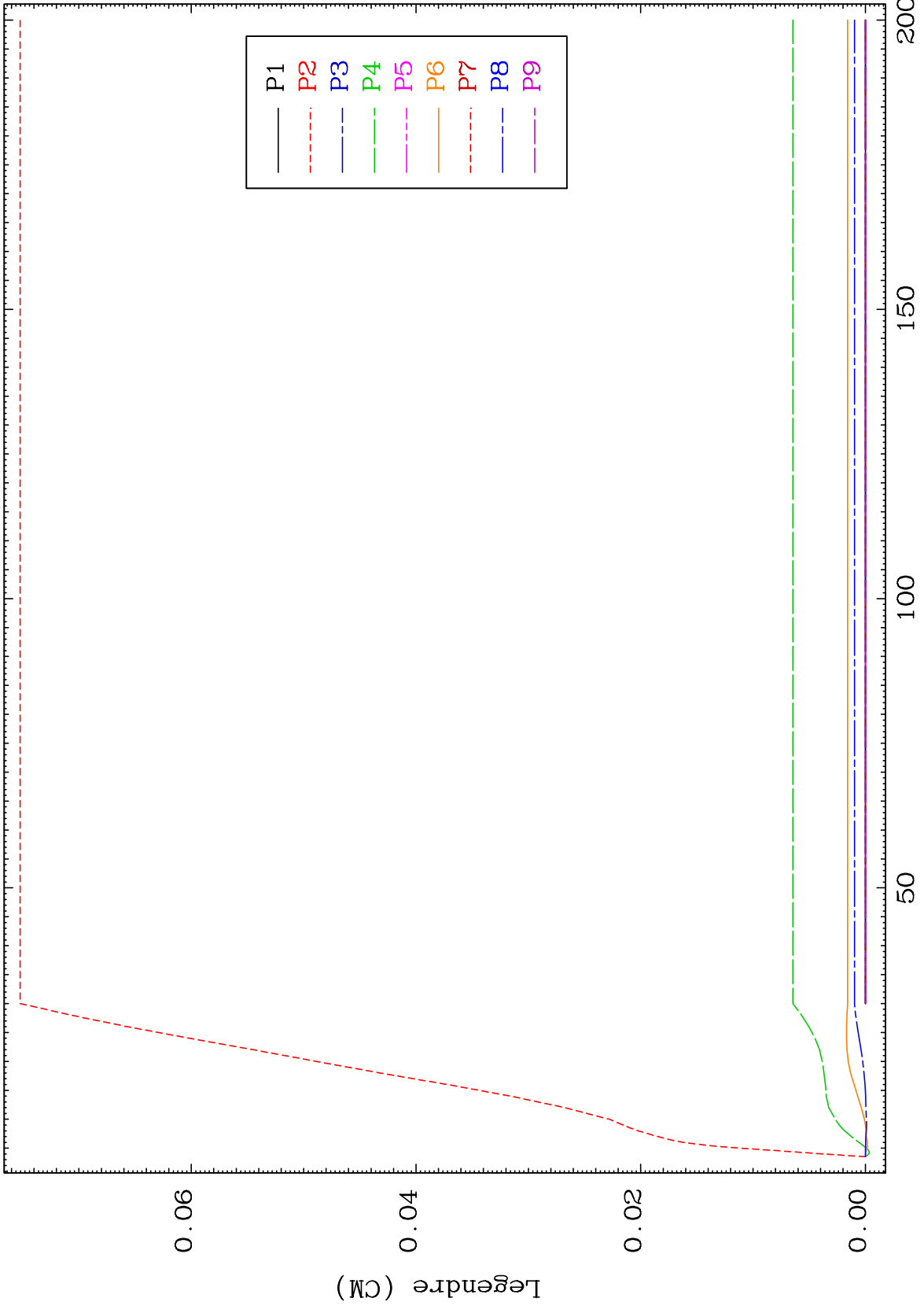
82-Pb-209

MAT 8240 MT= 79 (n,n') Level Legendre Coefficients 82-Pb-209



124 Incident Energy (MeV) 82-Pb-209

MAT 8240 MT= 80 (n,n') Level Legendre Coefficients 82-Pb-209

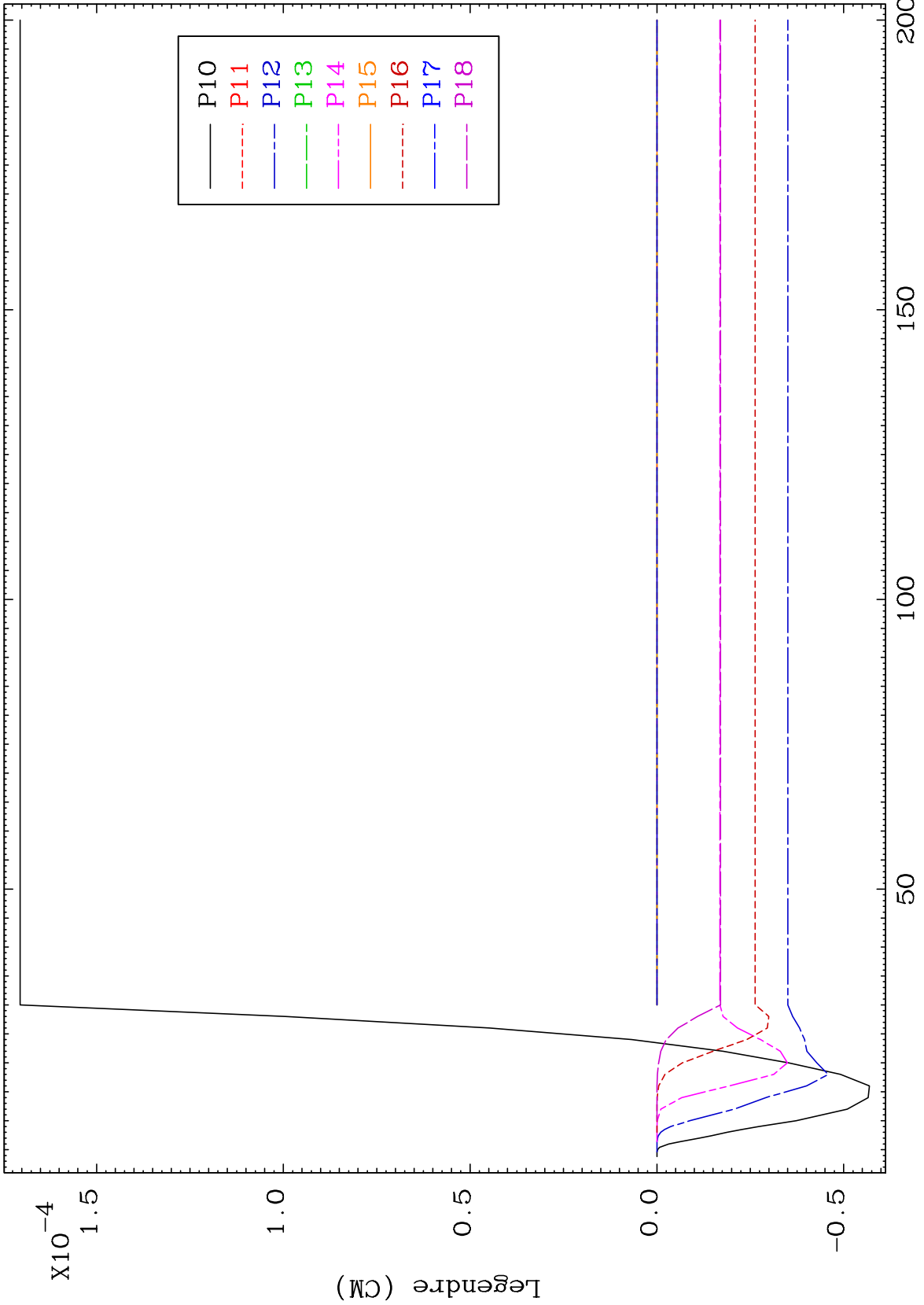


82-Pb-209

MAT 8240

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

82-Pb-209

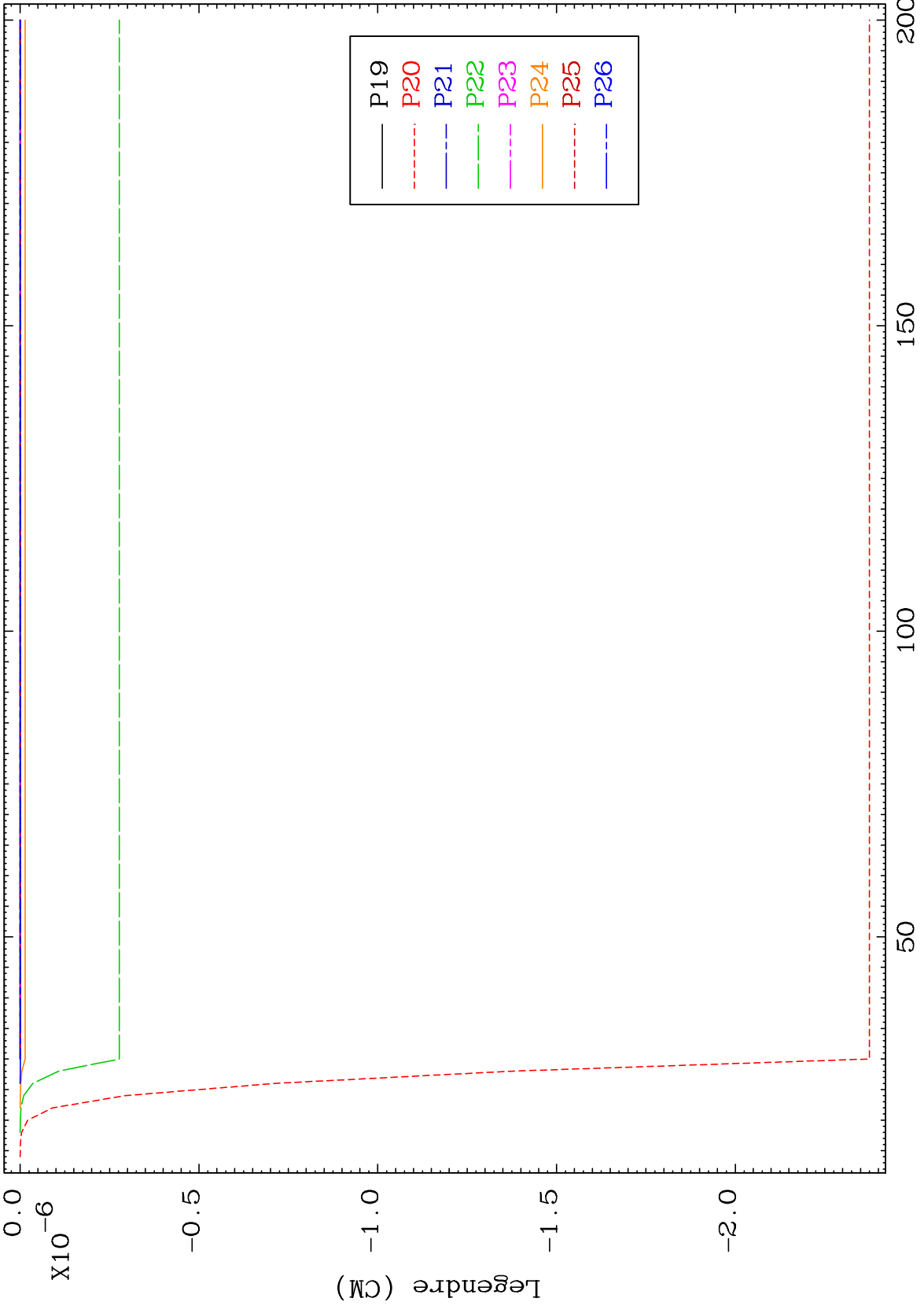


126

Incident Energy (MeV)

82-Pb-209

MAT 8240 MT= 80 (n,n') Level Legendre Coefficients 82-Pb-209



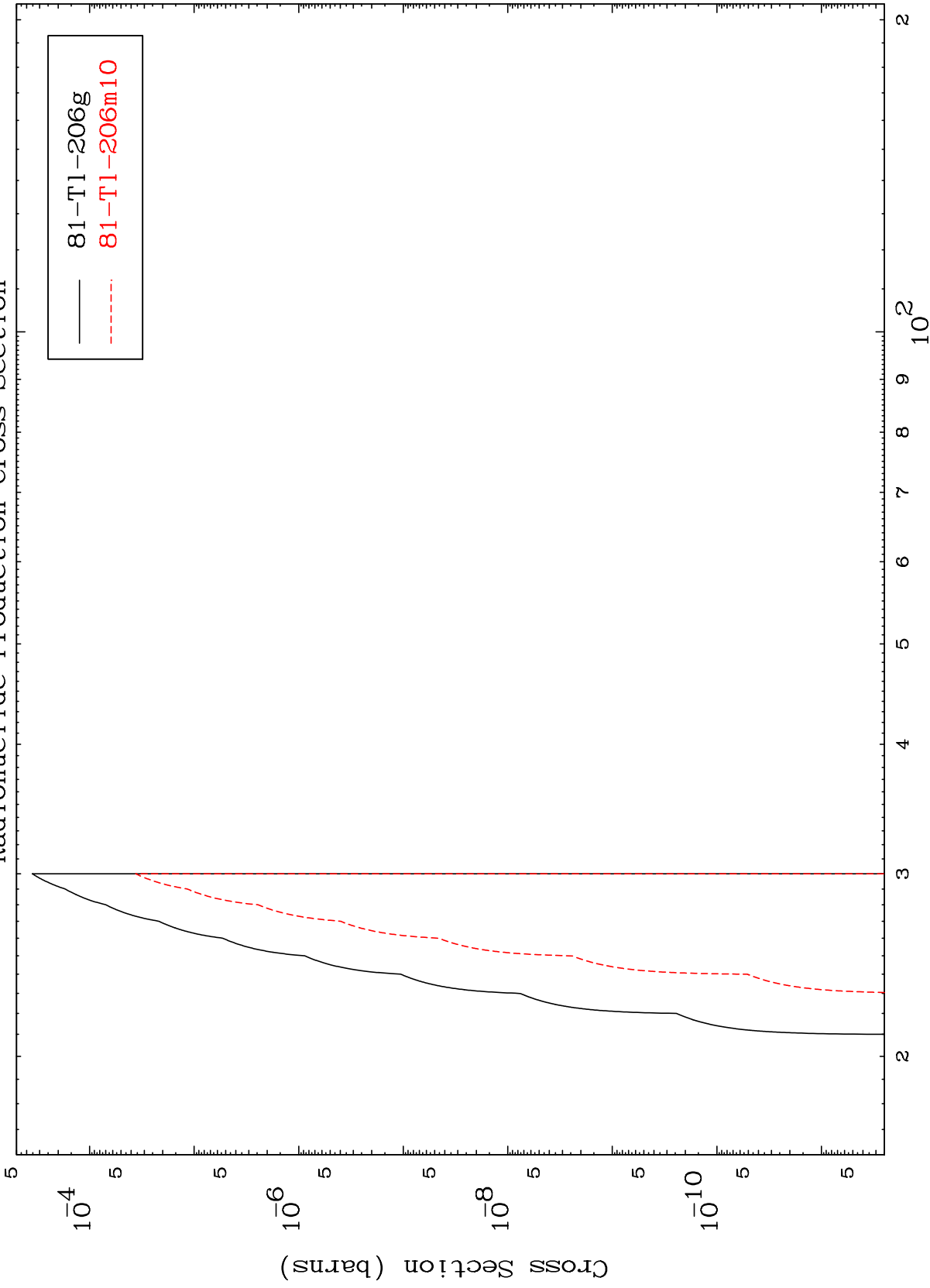
127 82-Pb-209

MAT 8240

(n,2n) d

82-Pb-209

Radionuclide Production Cross Section

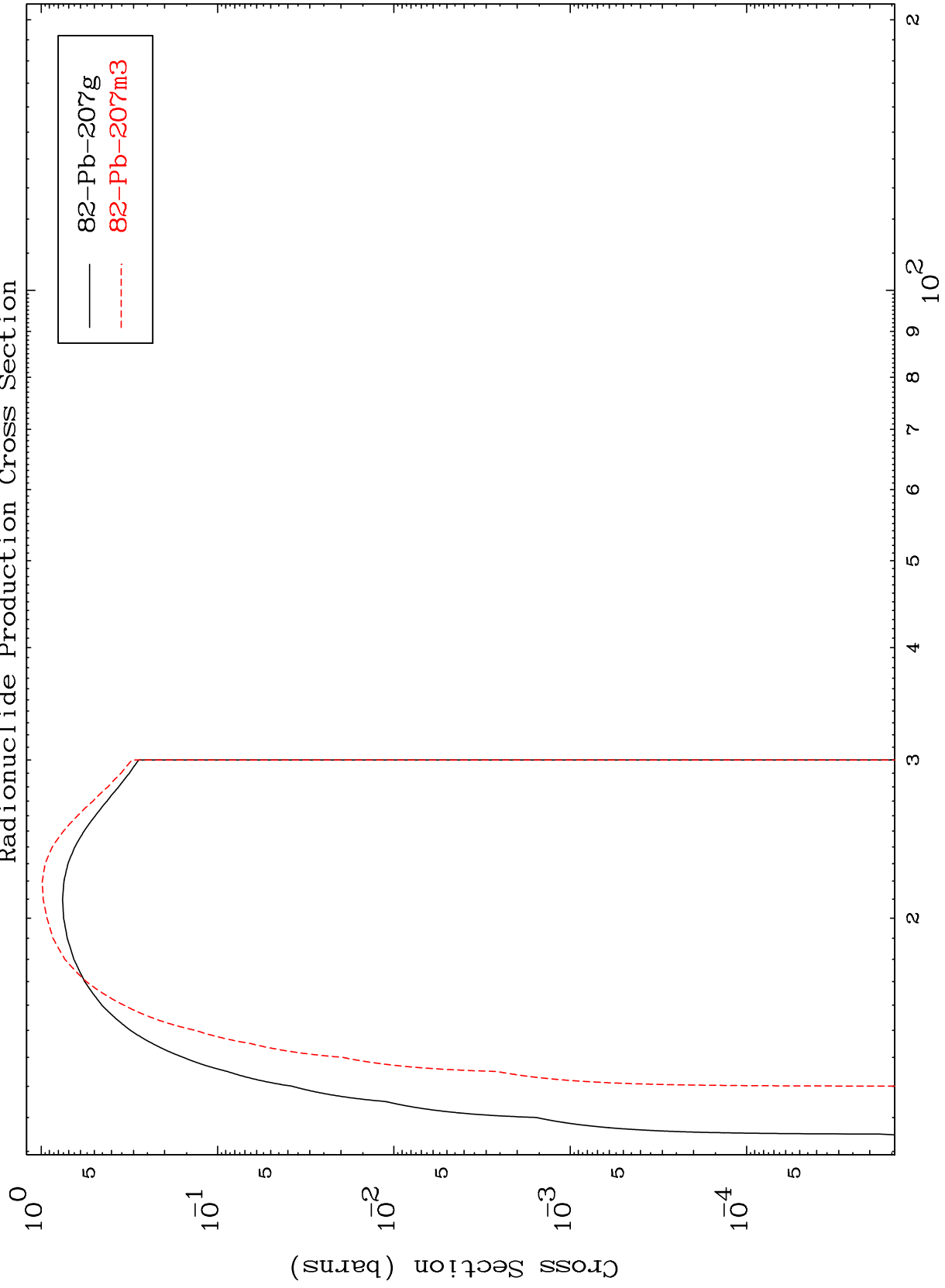


128

Incident Energy (MeV)

82-Pb-209

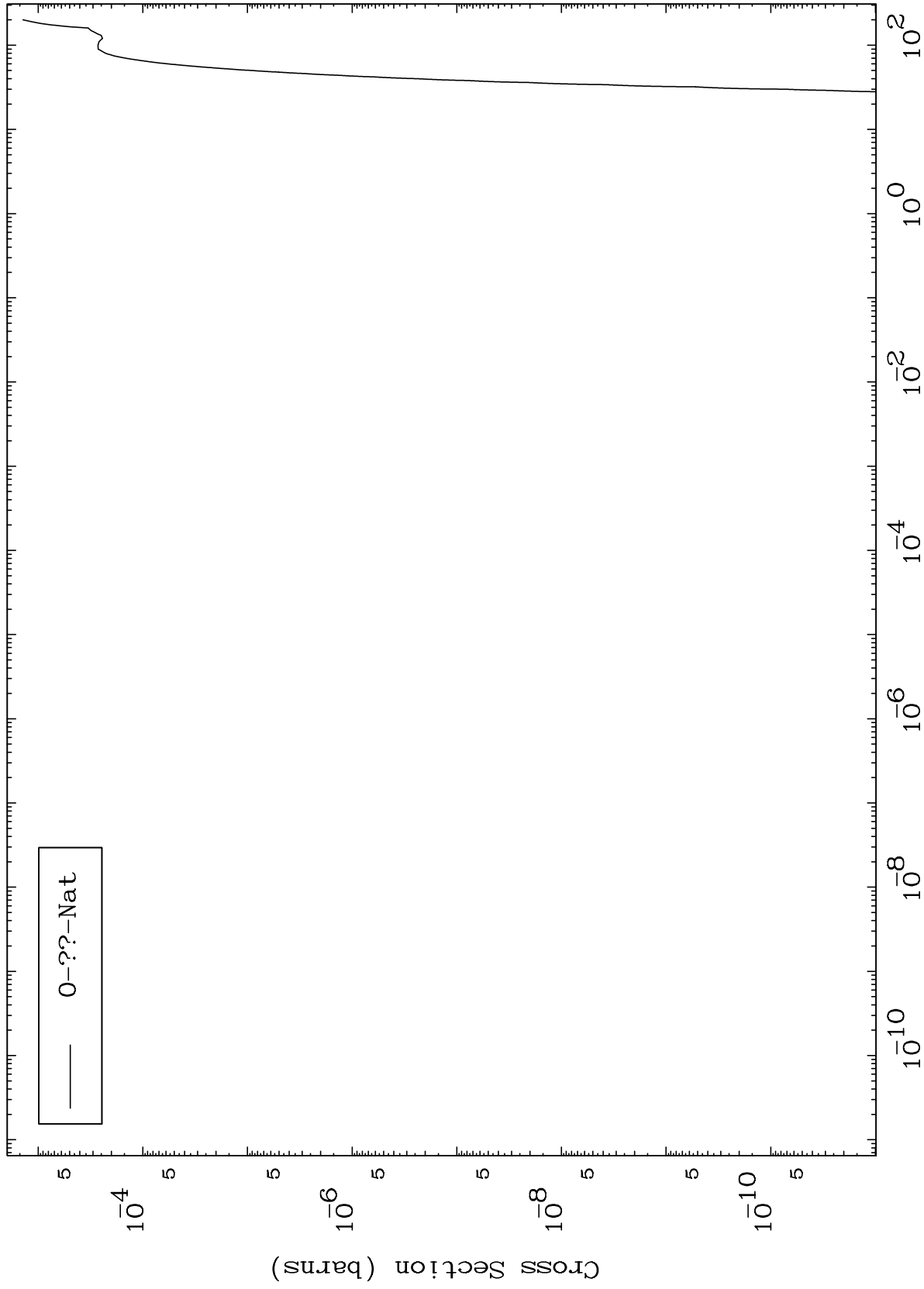
(n,3n)
Radionuclide Production Cross Section



MAT 8240

Fission
Radionuclide Production Cross Section

82-Pb-209



130

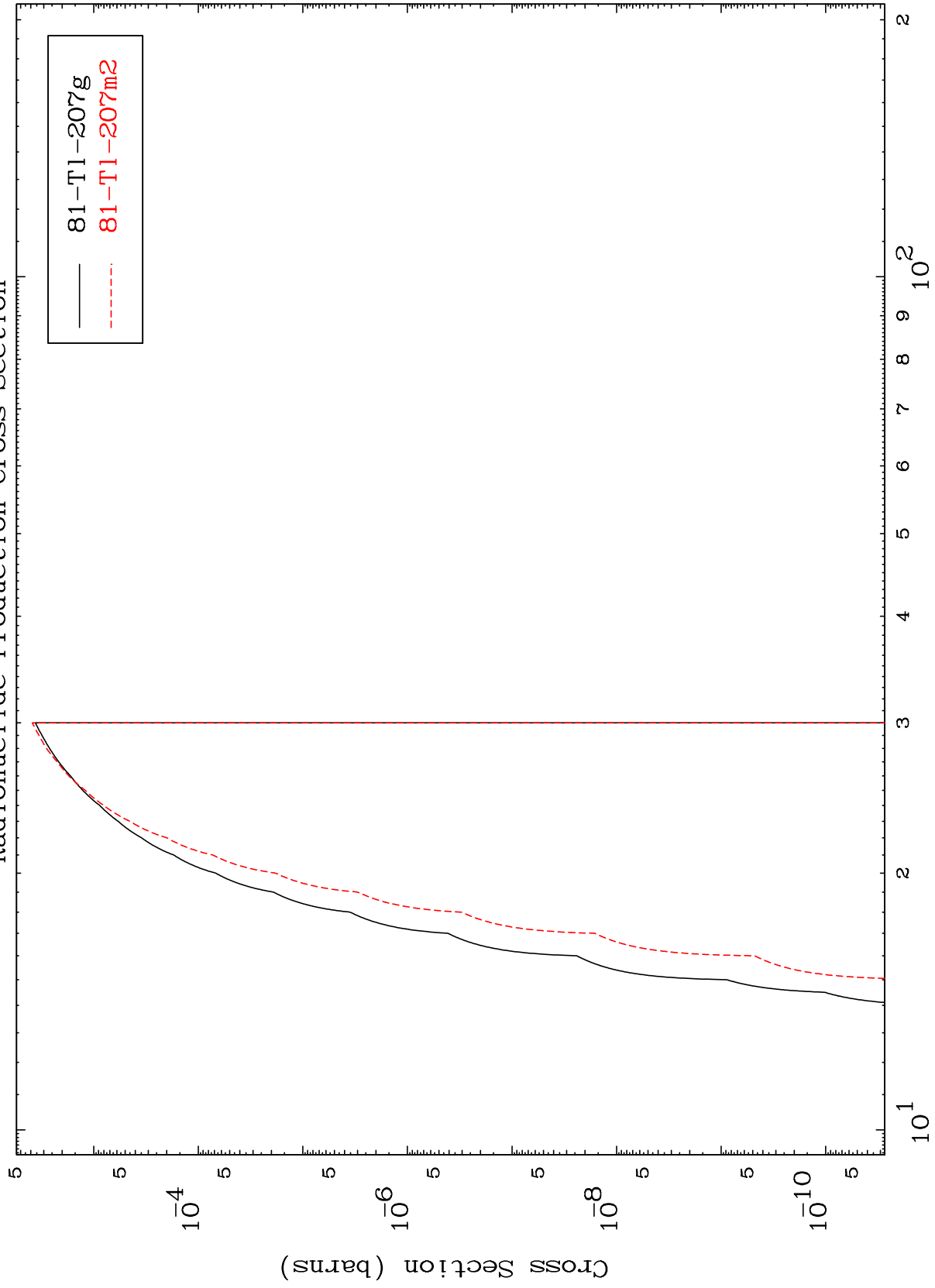
82-Pb-209

MAT 8240

(n,n') d

82-Pb-209

Radionuclide Production Cross Section



131

Incident Energy (MeV)

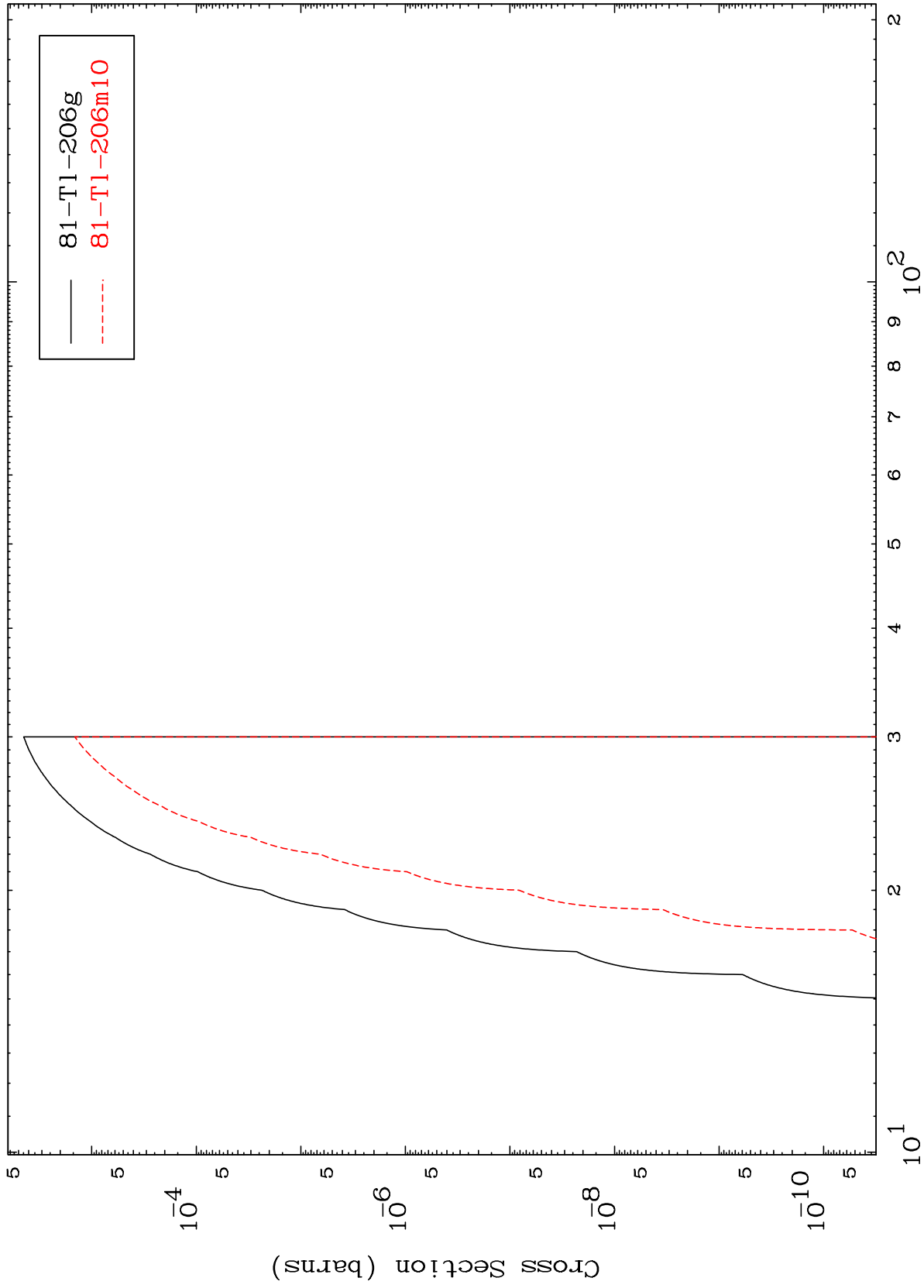
82-Pb-209

MAT 8240

(n,n') t

82-Pb-209

Radionuclide Production Cross Section



132

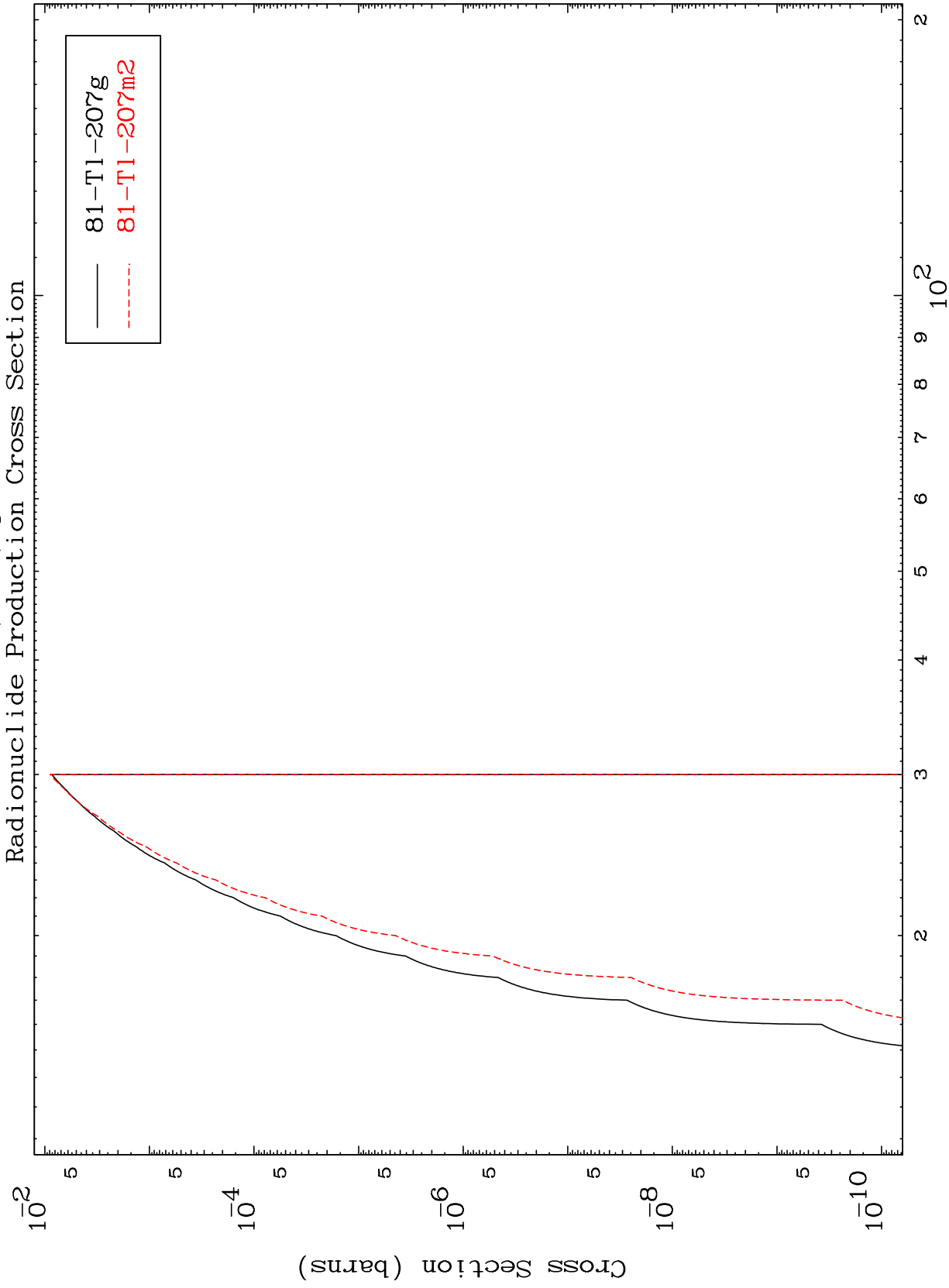
Incident Energy (MeV)

82-Pb-209

MAT 8240

(n,2n) p

82-Pb-209



133

Incident Energy (MeV)

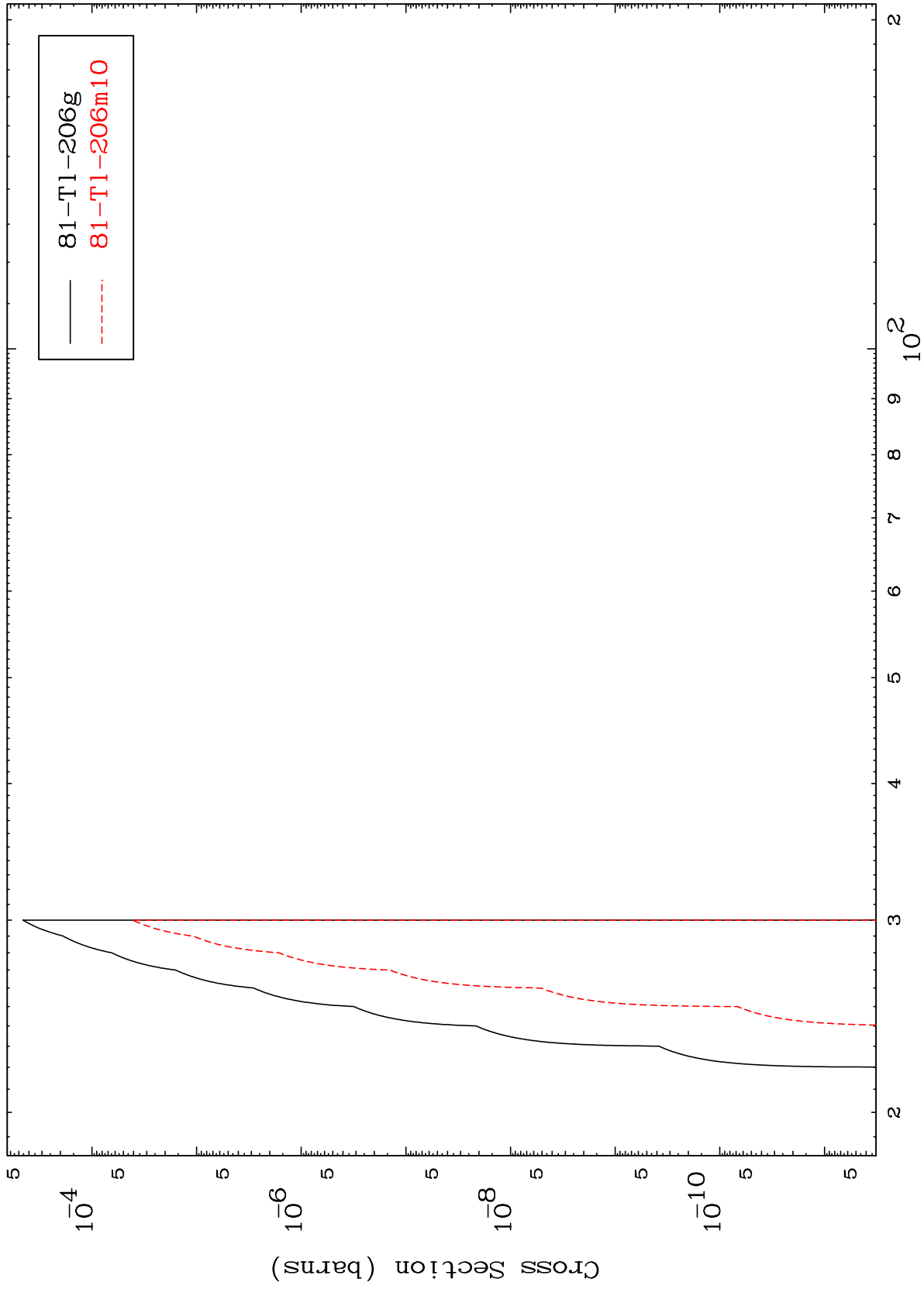
82-Pb-209

MAT 8240

(n,3n) p

82-Pb-209

Radionuclide Production Cross Section



134

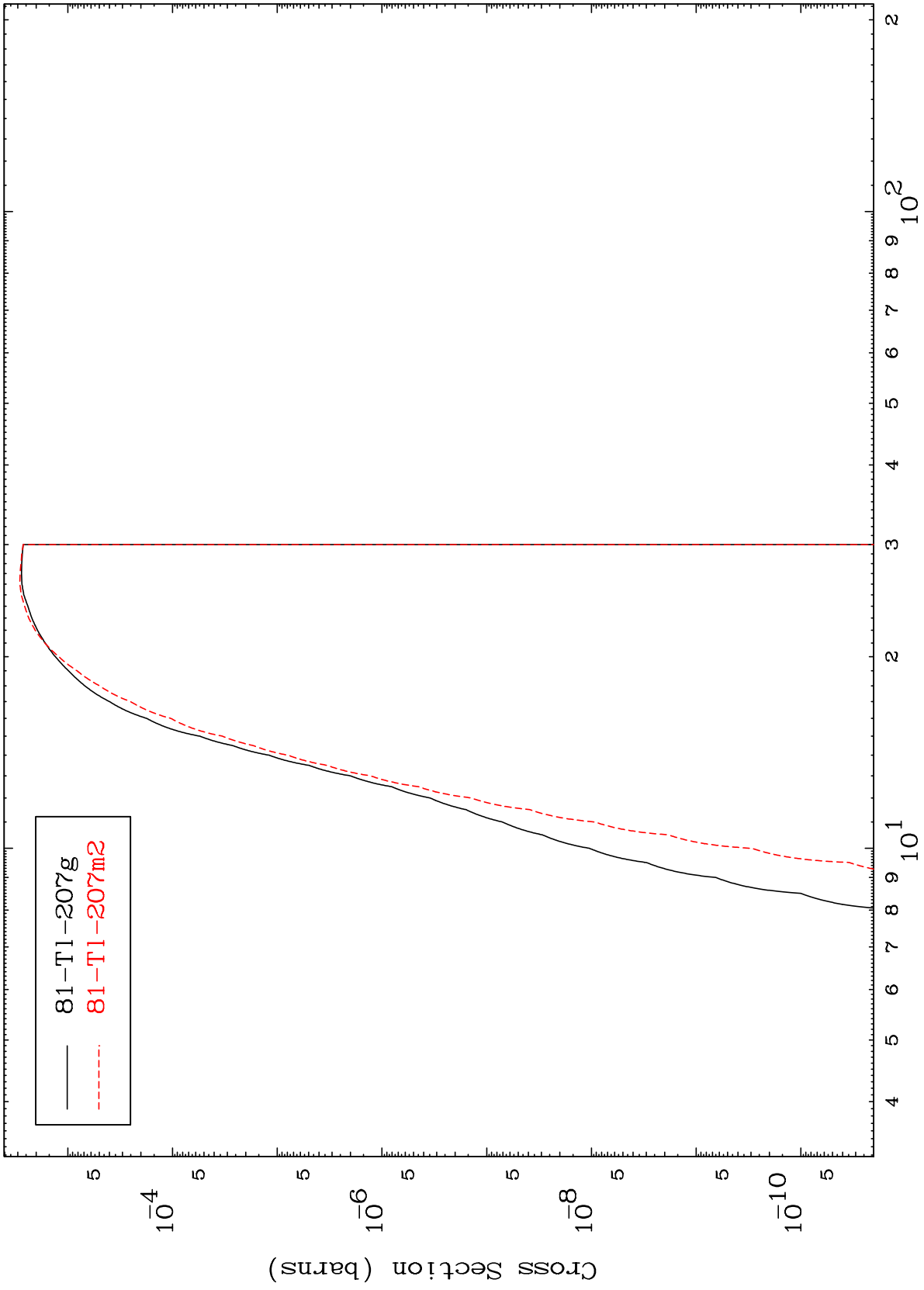
Incident Energy (MeV)

82-Pb-209

MAT 8240

82-Pb-209

(n, t)
Radionuclide Production Cross Section



135

Incident Energy (MeV)

82-Pb-209