

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

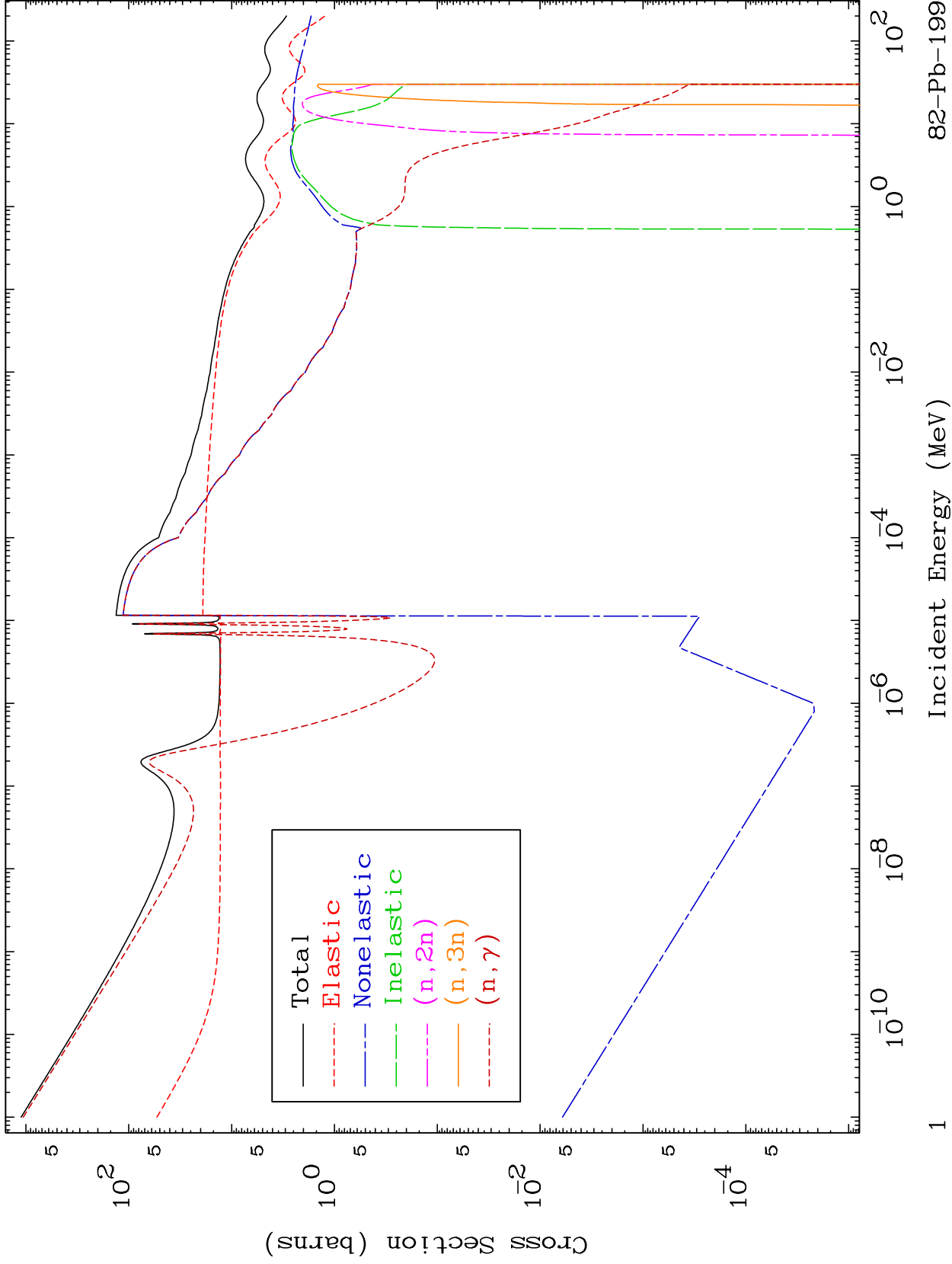
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8210

Neutron Major
293 Kelvin Cross Sections

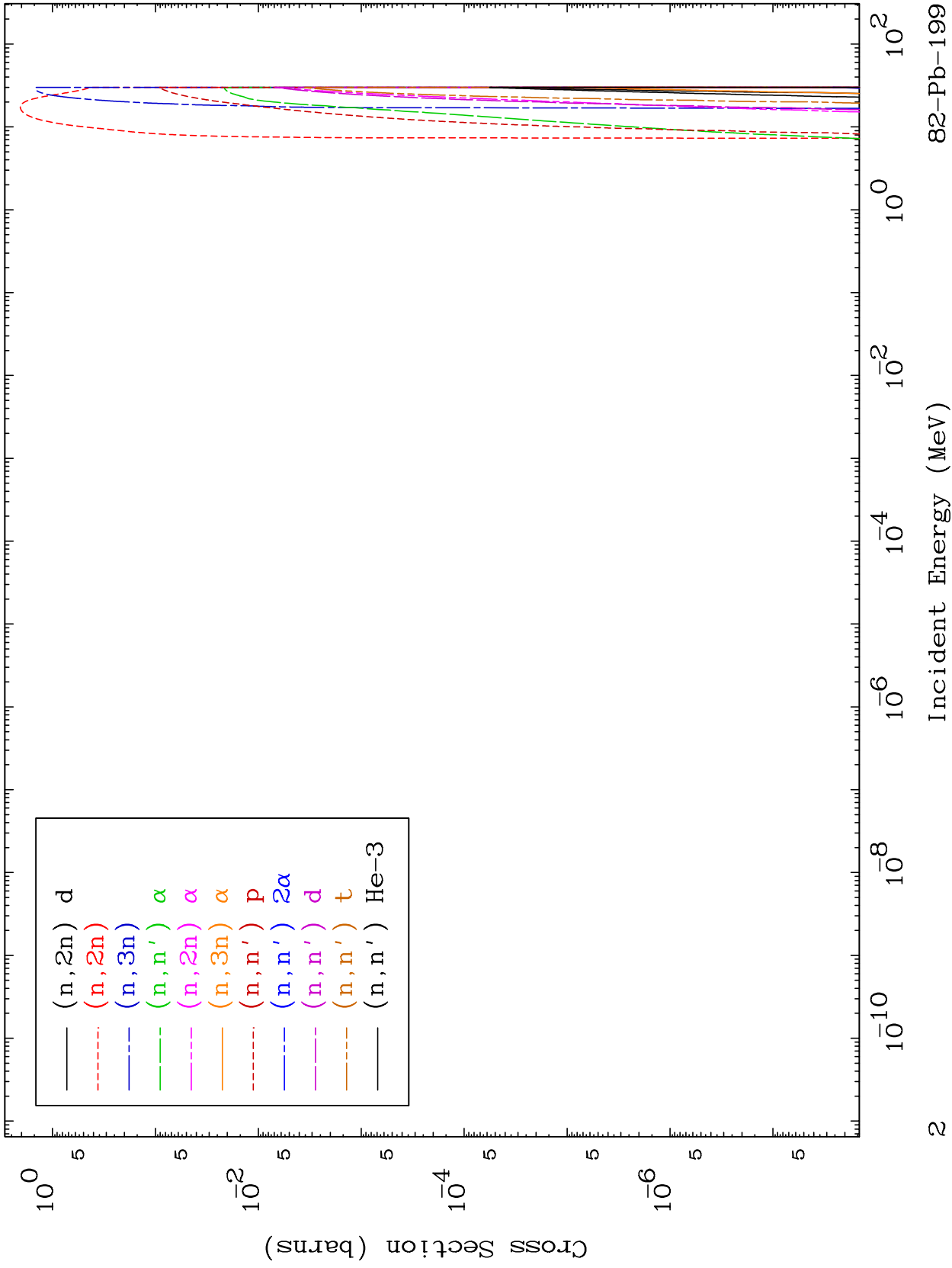
82-Pb-199



MAT 8210

Neutron Absorption
293 Kelvin Cross Sections

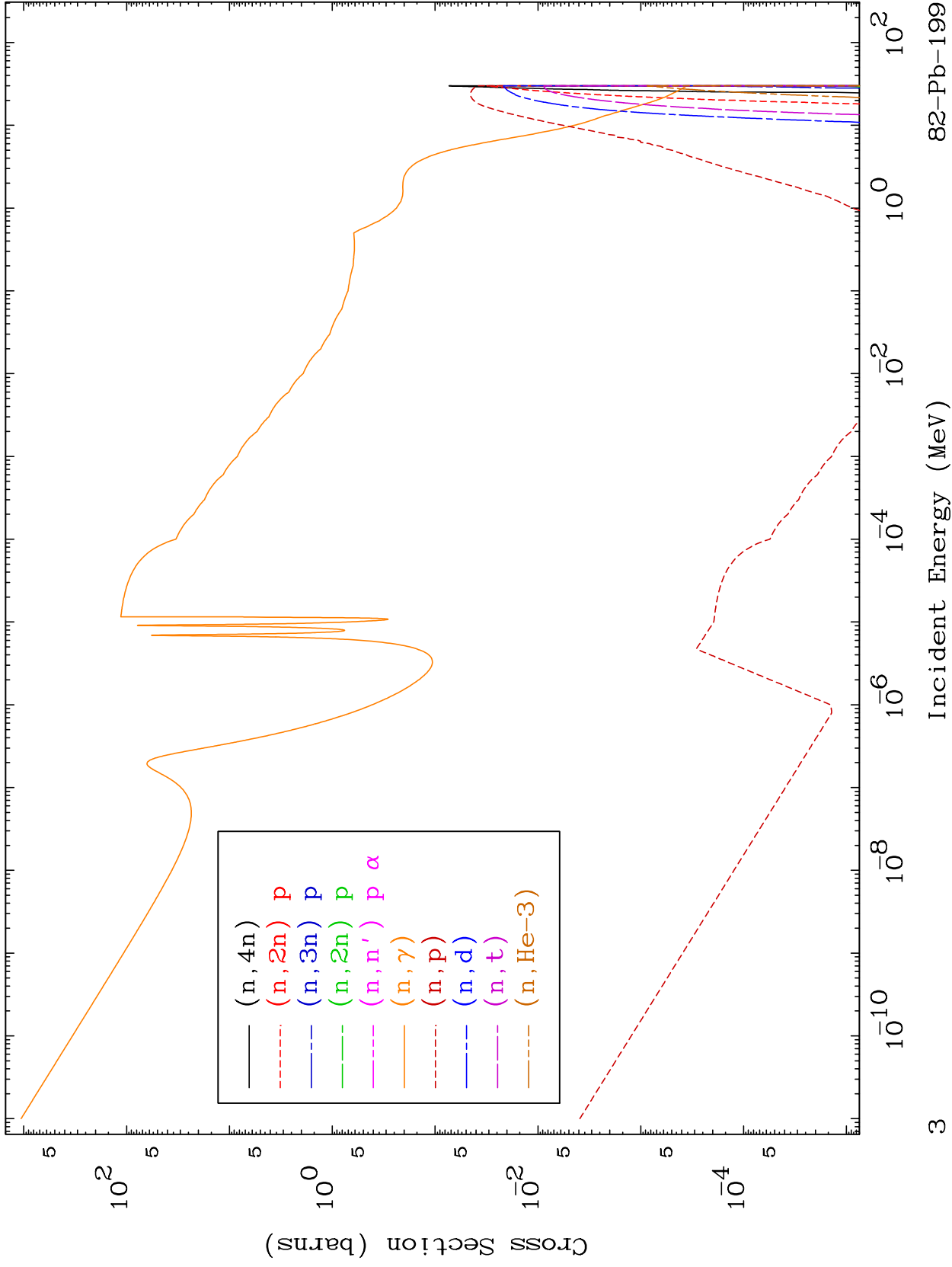
82-Pb-199



MAT 8210

Neutron Absorption
293 Kelvin Cross Sections

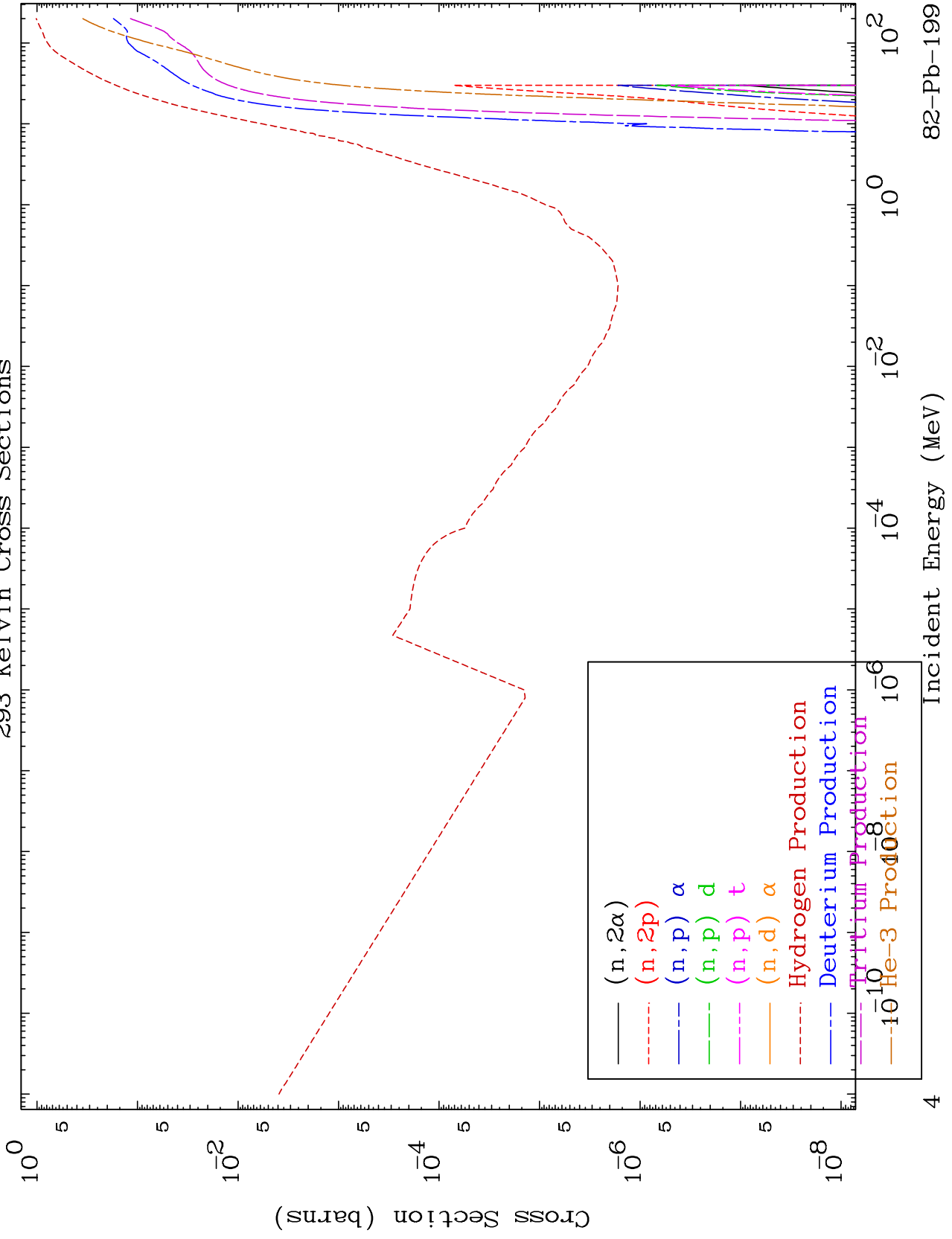
82-Pb-199



MAT 8210

Neutron Absorption
293 Kelvin Cross Sections

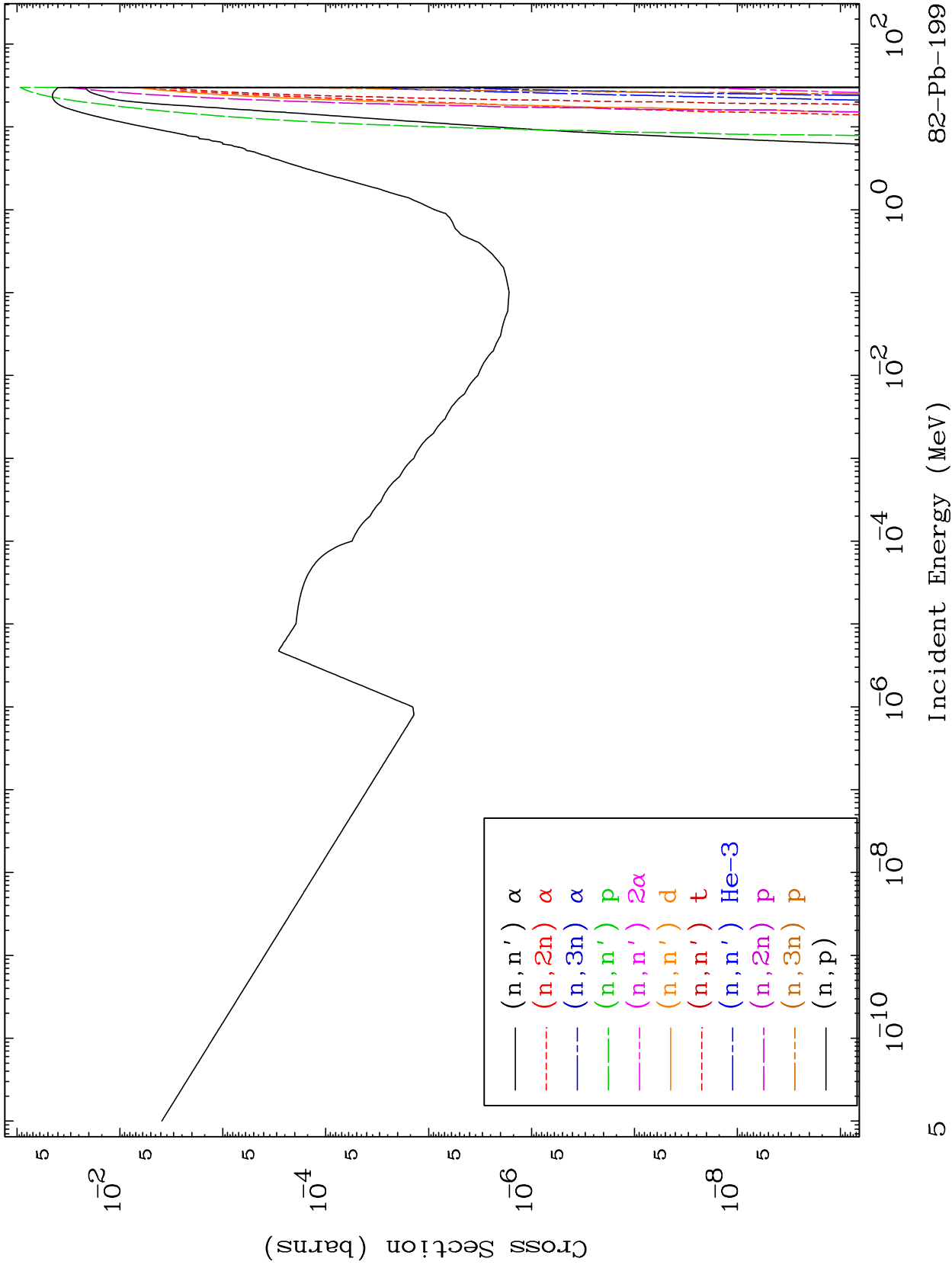
82-Pb-199



MAT 8210

Charged Particle
293 Kelvin Cross Sections

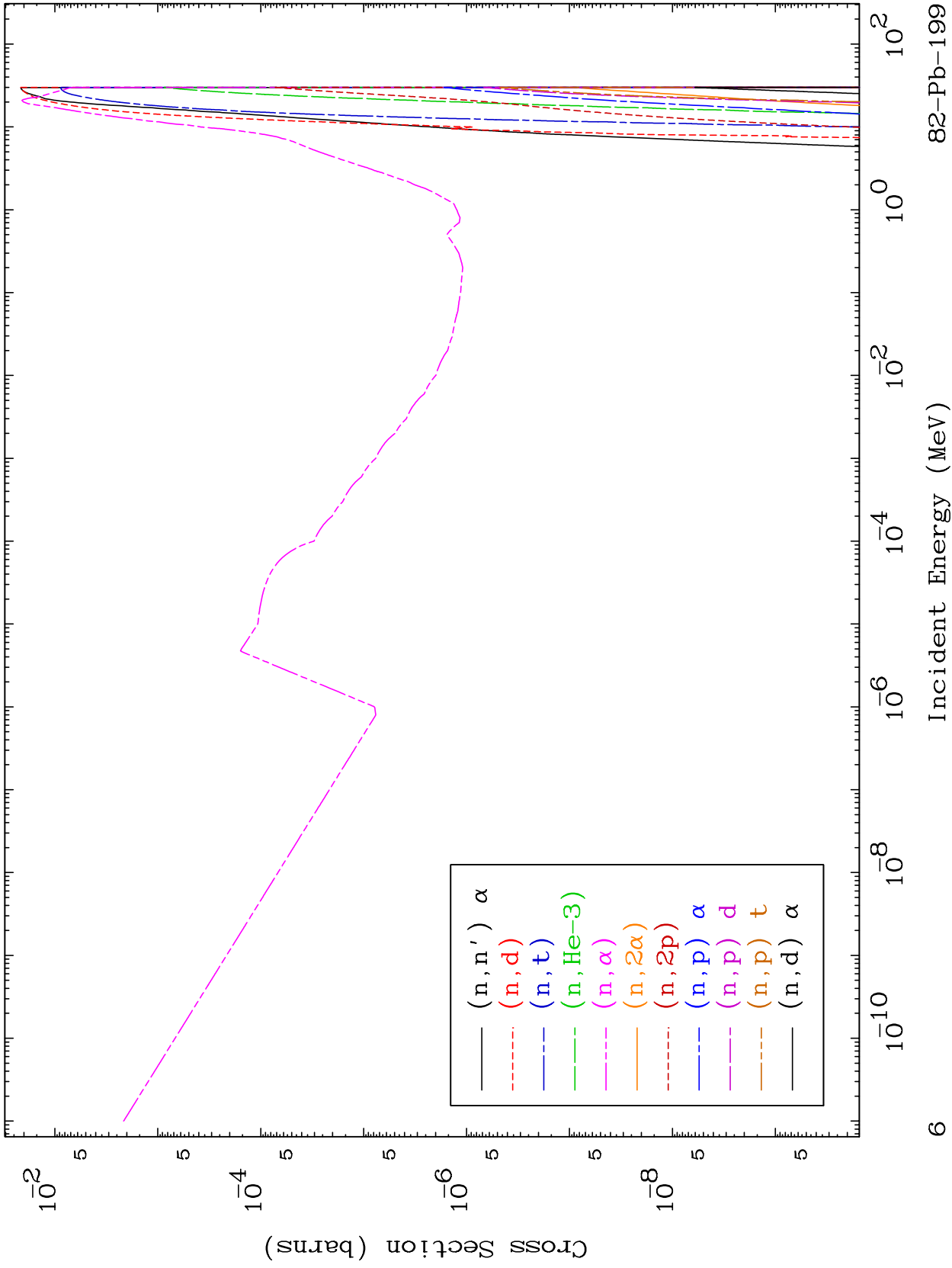
82-Pb-199



MAT 8210

Charged Particle
293 Kelvin Cross Sections

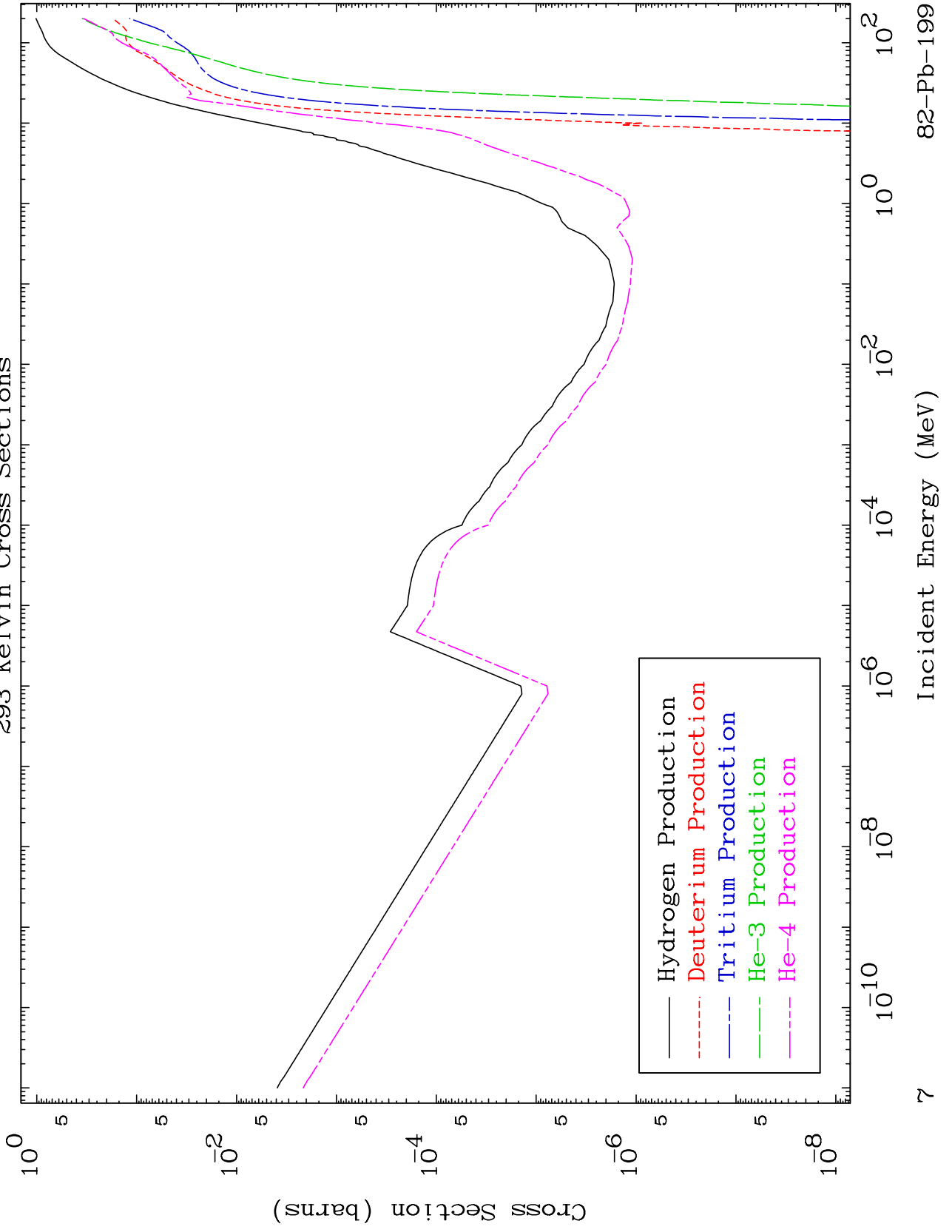
82-Pb-199



MAT 8210

Particle Production
293 Kelvin Cross Sections

82-Pb-199

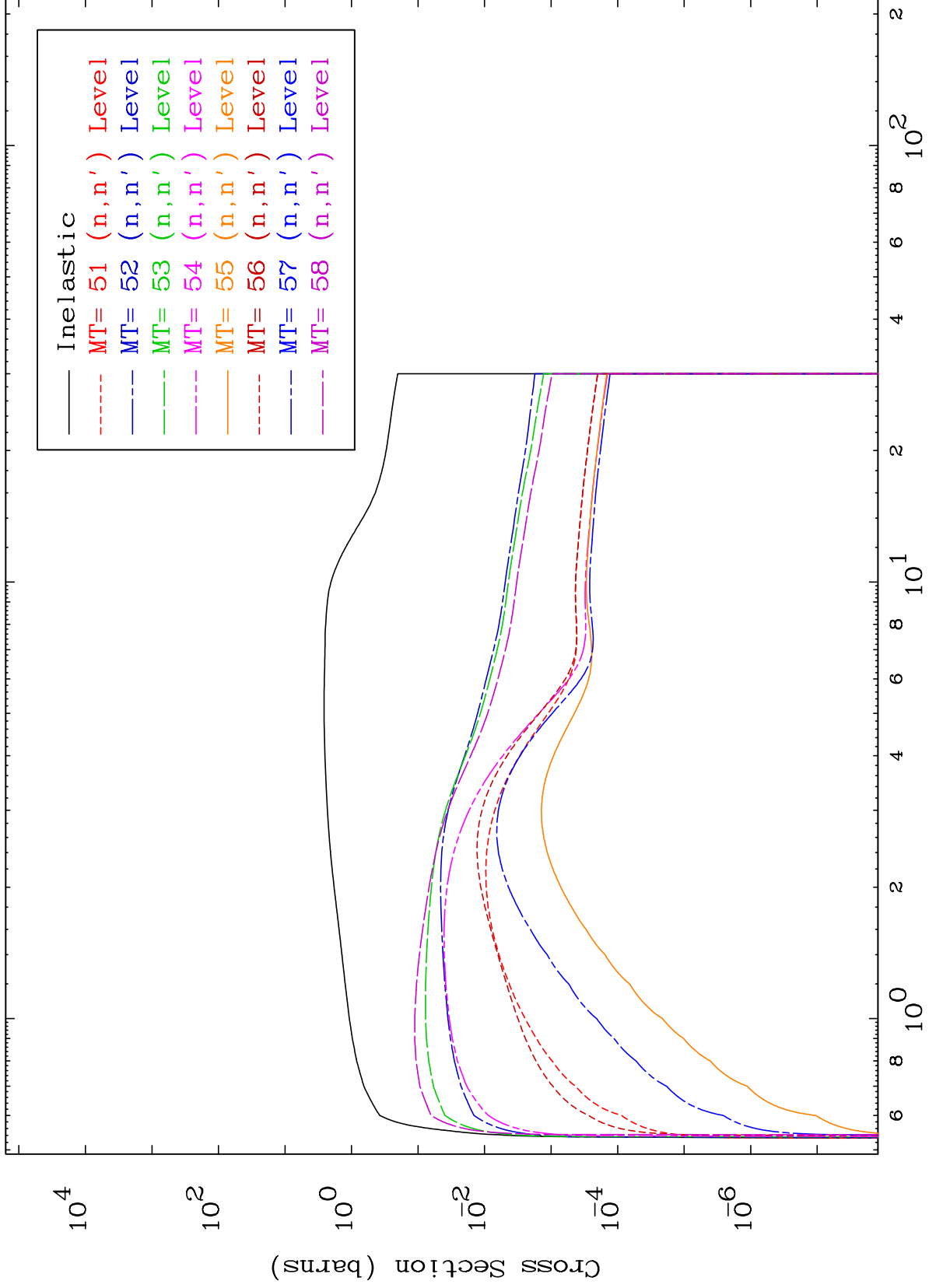


MAT 8210

(n,n') Levels

82-Pb-199

293 Kelvin Cross Sections



8

Incident Energy (MeV)

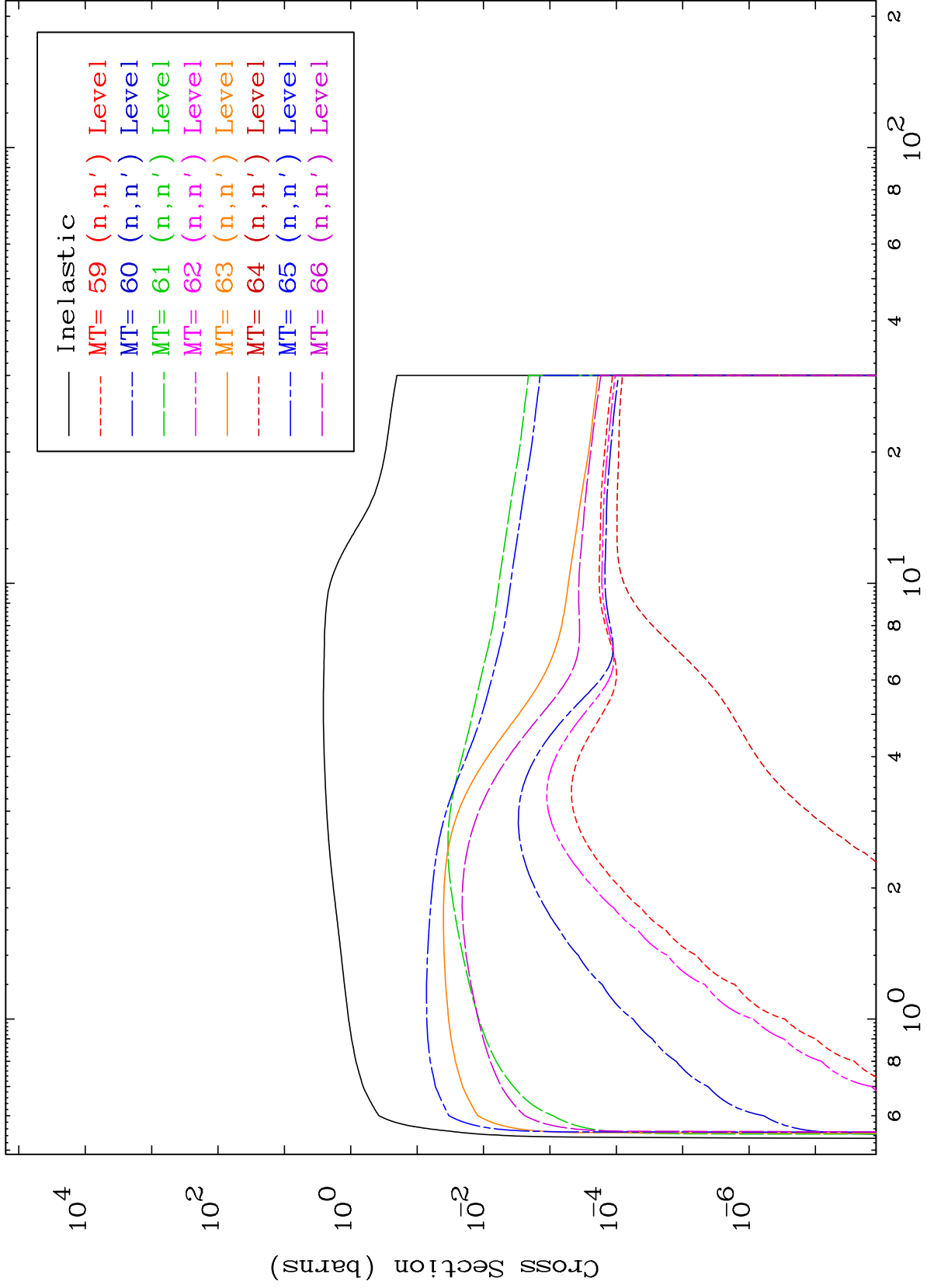
82-Pb-199

MAT 8210

(n,n') Levels

82-Pb-199

293 Kelvin Cross Sections



9

Incident Energy (MeV)

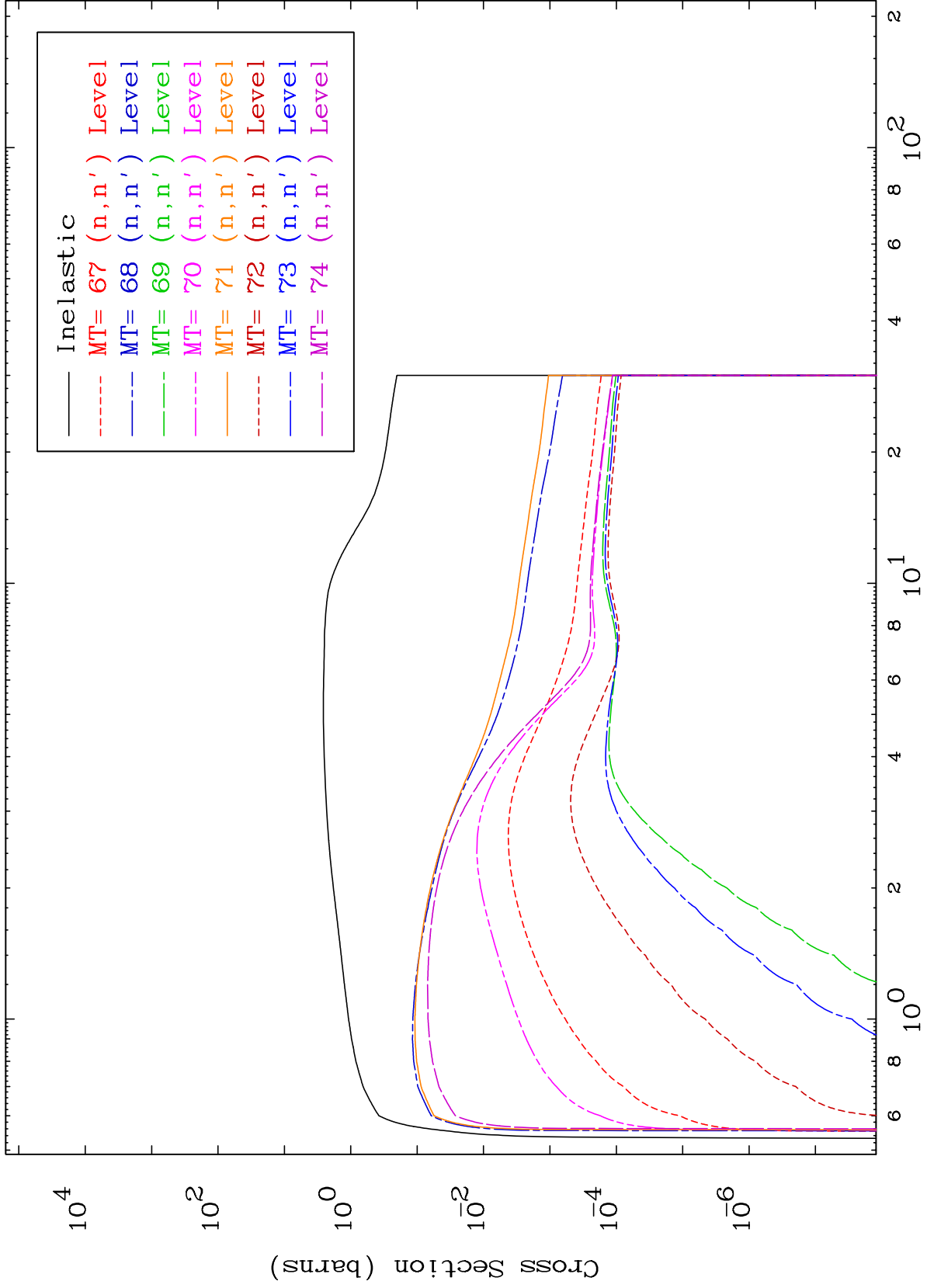
82-Pb-199

MAT 8210

(n,n') Levels

82-Pb-199

293 Kelvin Cross Sections



10

Incident Energy (MeV)

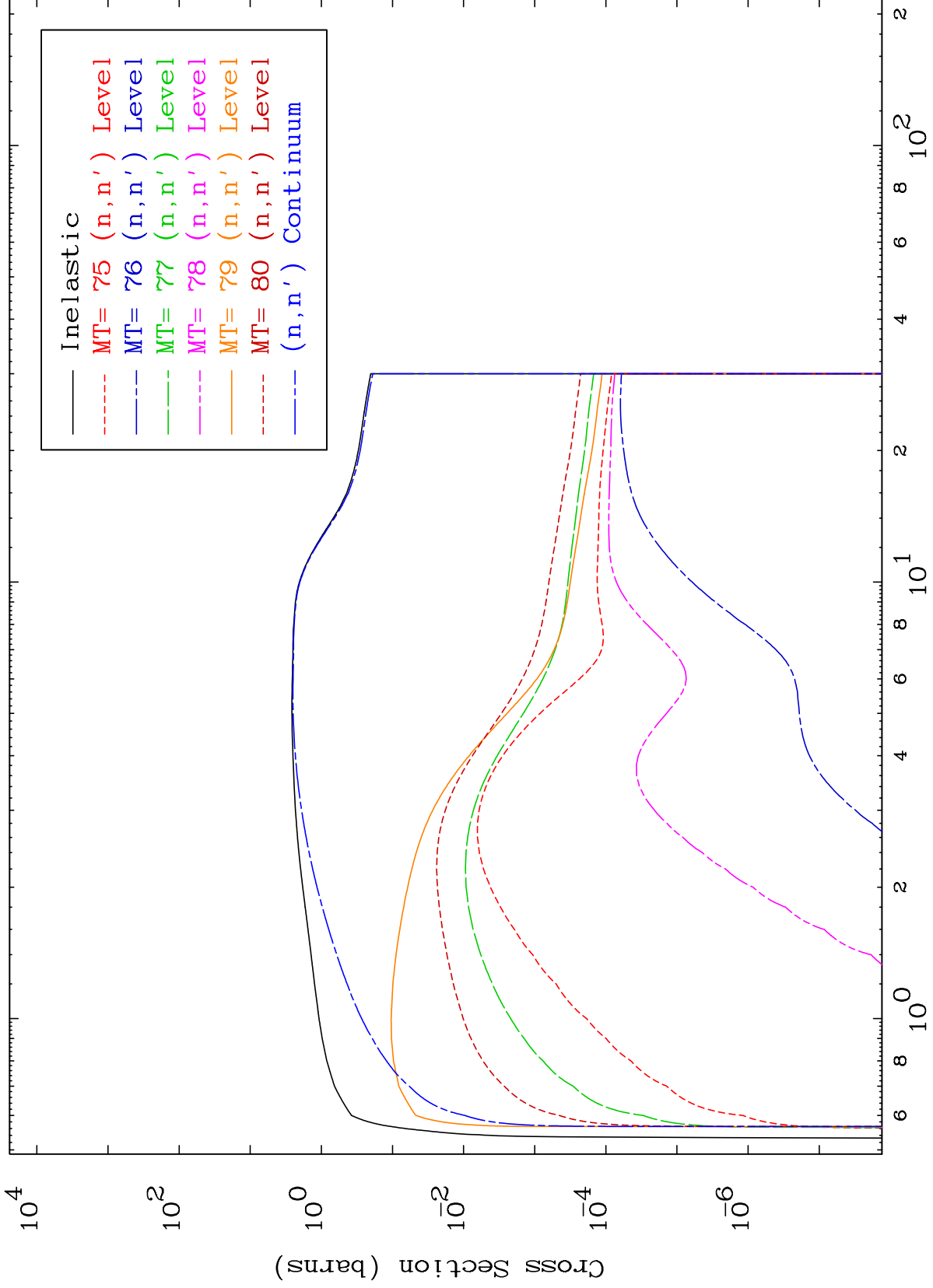
82-Pb-199

MAT 8210

(n,n') Levels

82-Pb-199

293 Kelvin Cross Sections



11

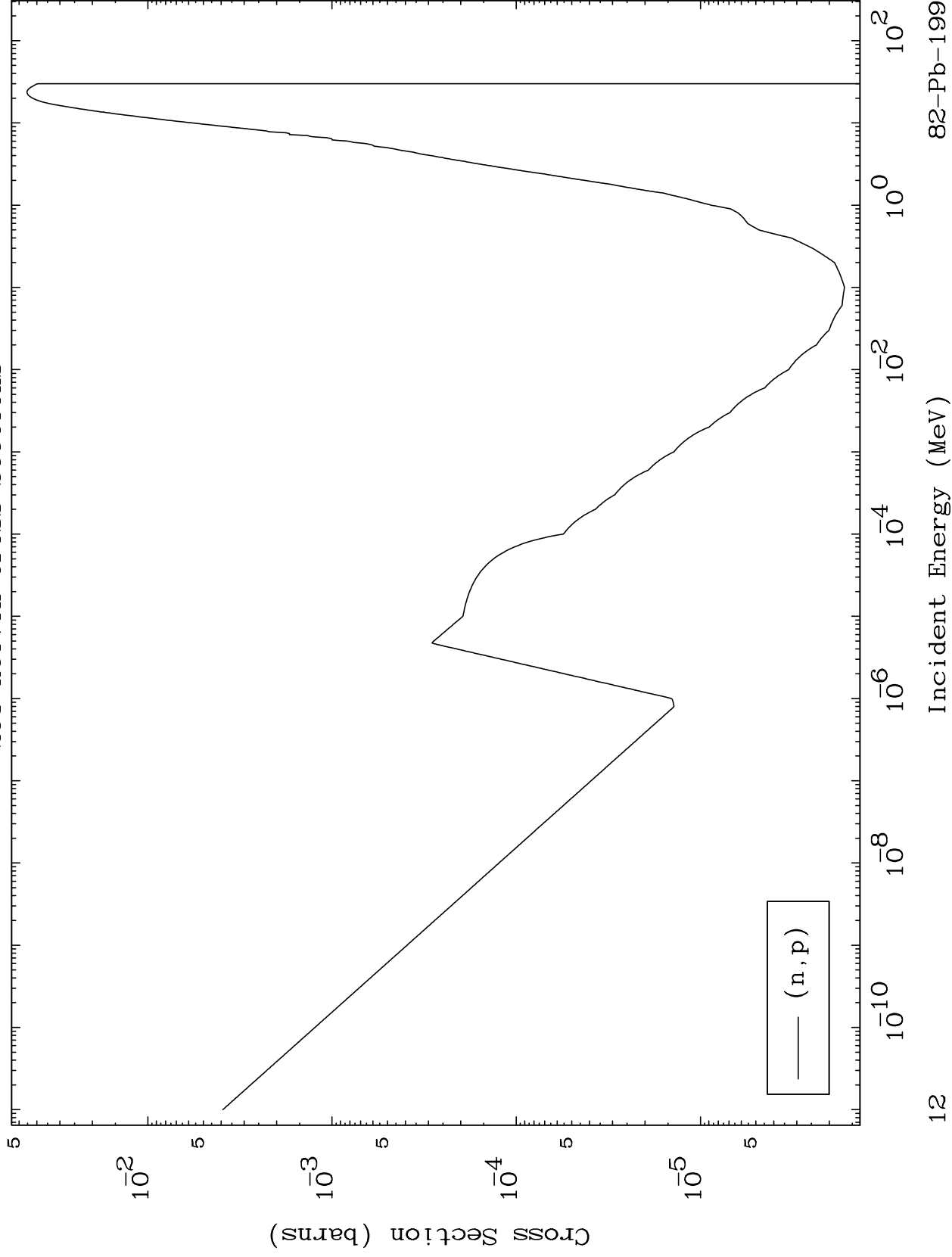
Incident Energy (MeV)

82-Pb-199

MAT 8210

(n,p) Levels
293 Kelvin Cross Sections

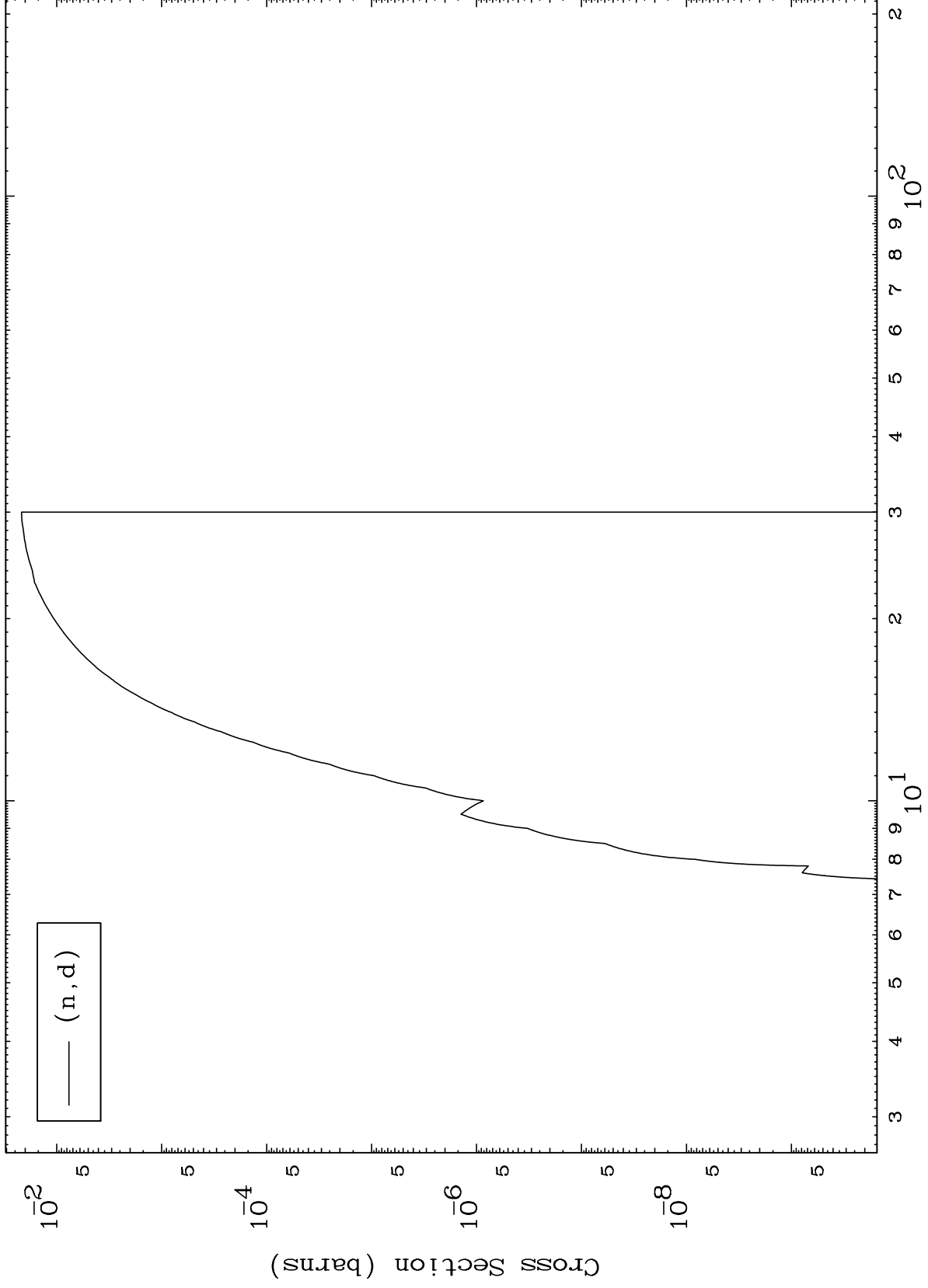
82-Pb-199



MAT 8210

(n,d) Levels
293 Kelvin Cross Sections

82-Pb-199



13

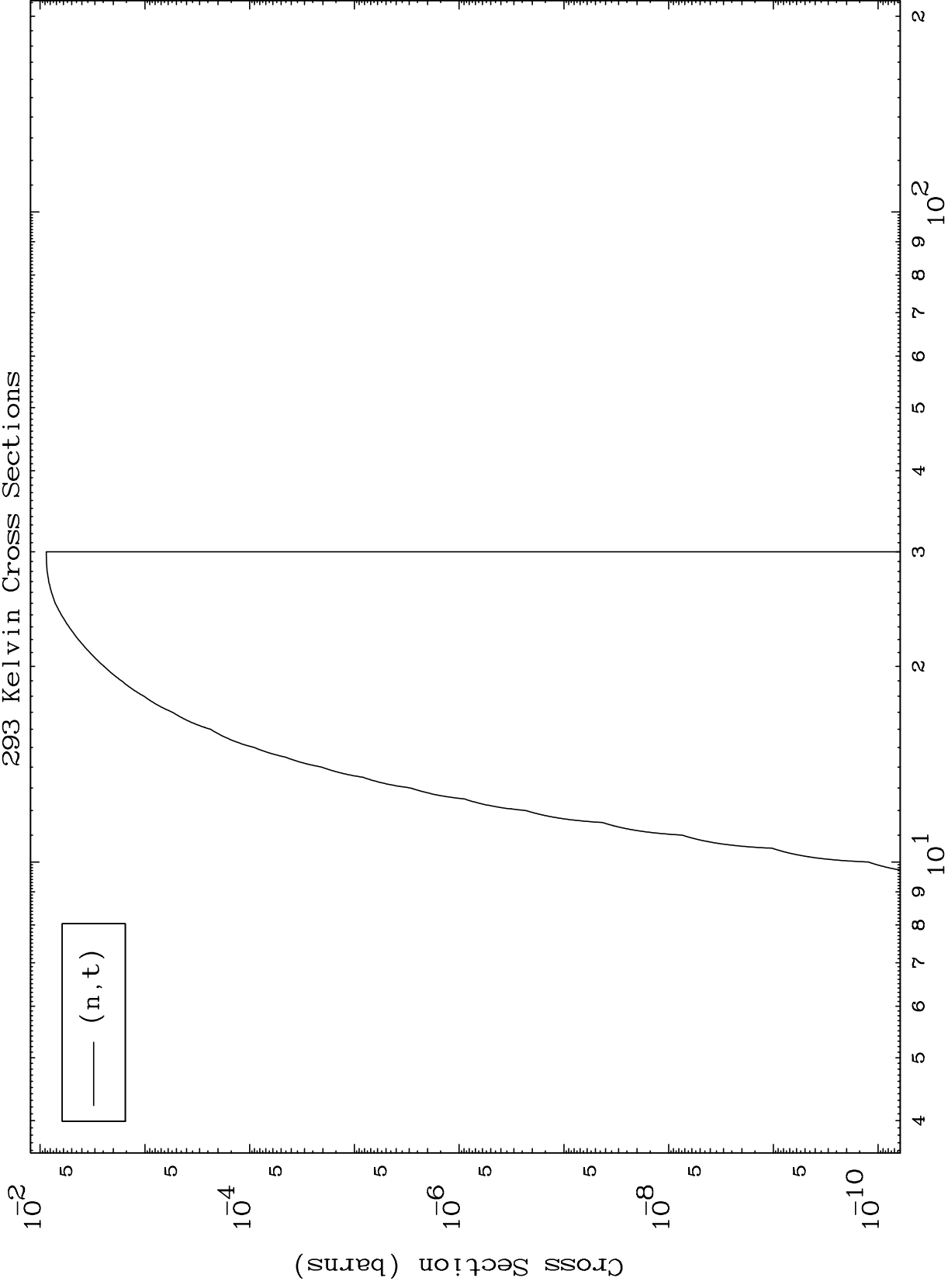
Incident Energy (MeV)

82-Pb-199

MAT 8210

(n,t) Levels
293 Kelvin Cross Sections

82-Pb-199



14

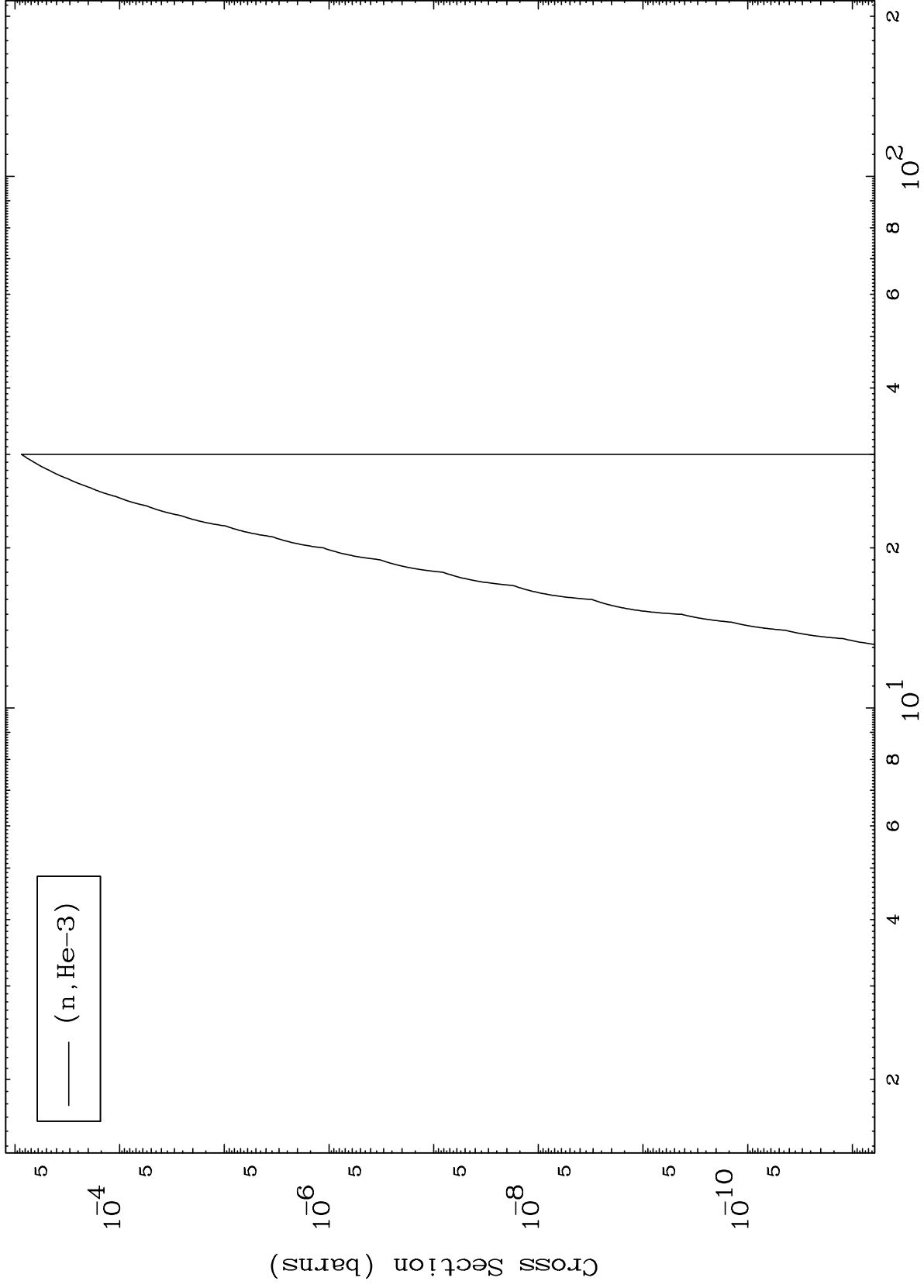
Incident Energy (MeV)

82-Pb-199

MAT 8210

(n,He3) Levels
293 Kelvin Cross Sections

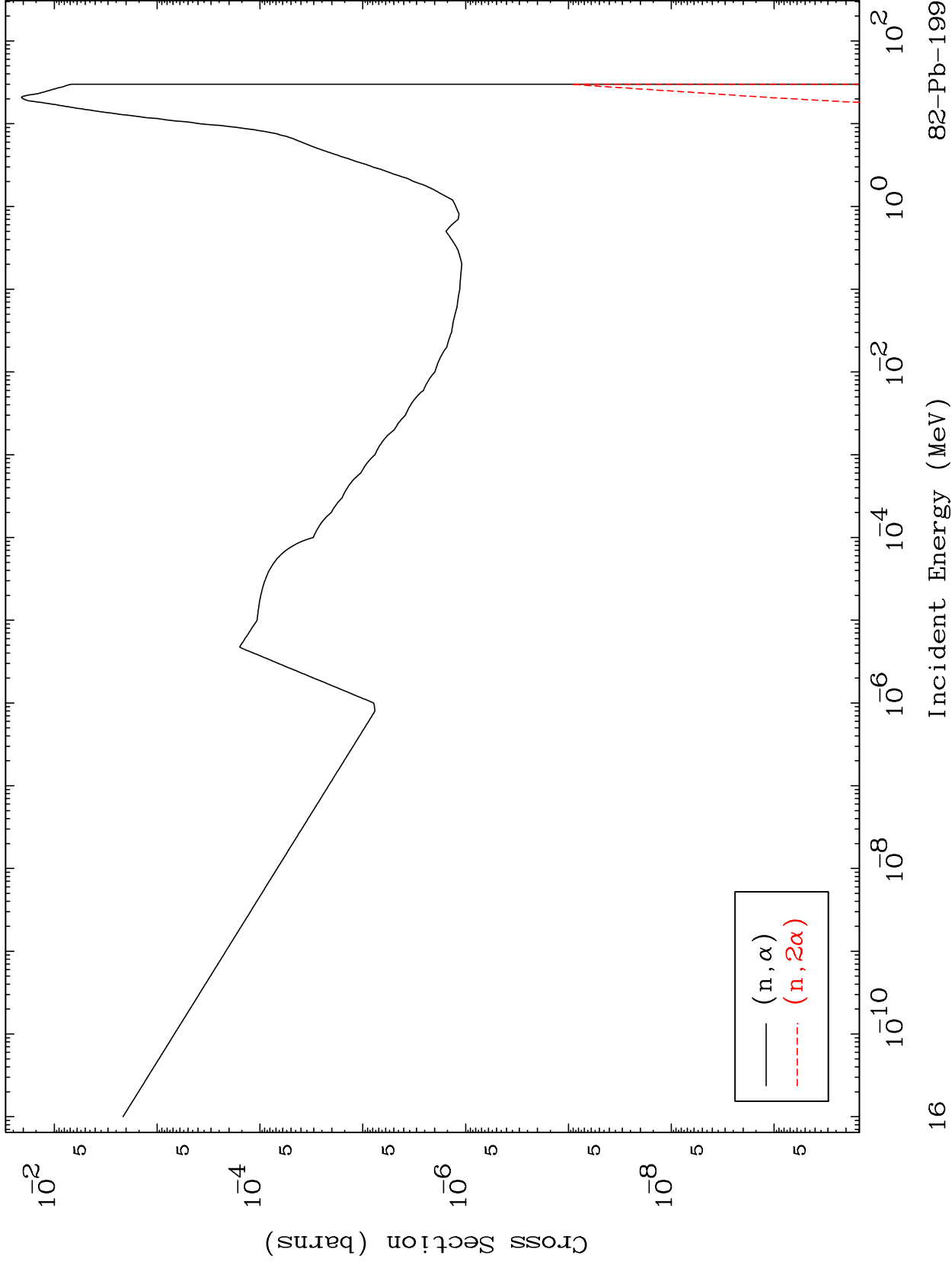
82-Pb-199



MAT 8210

(n, α) Levels
293 Kelvin Cross Sections

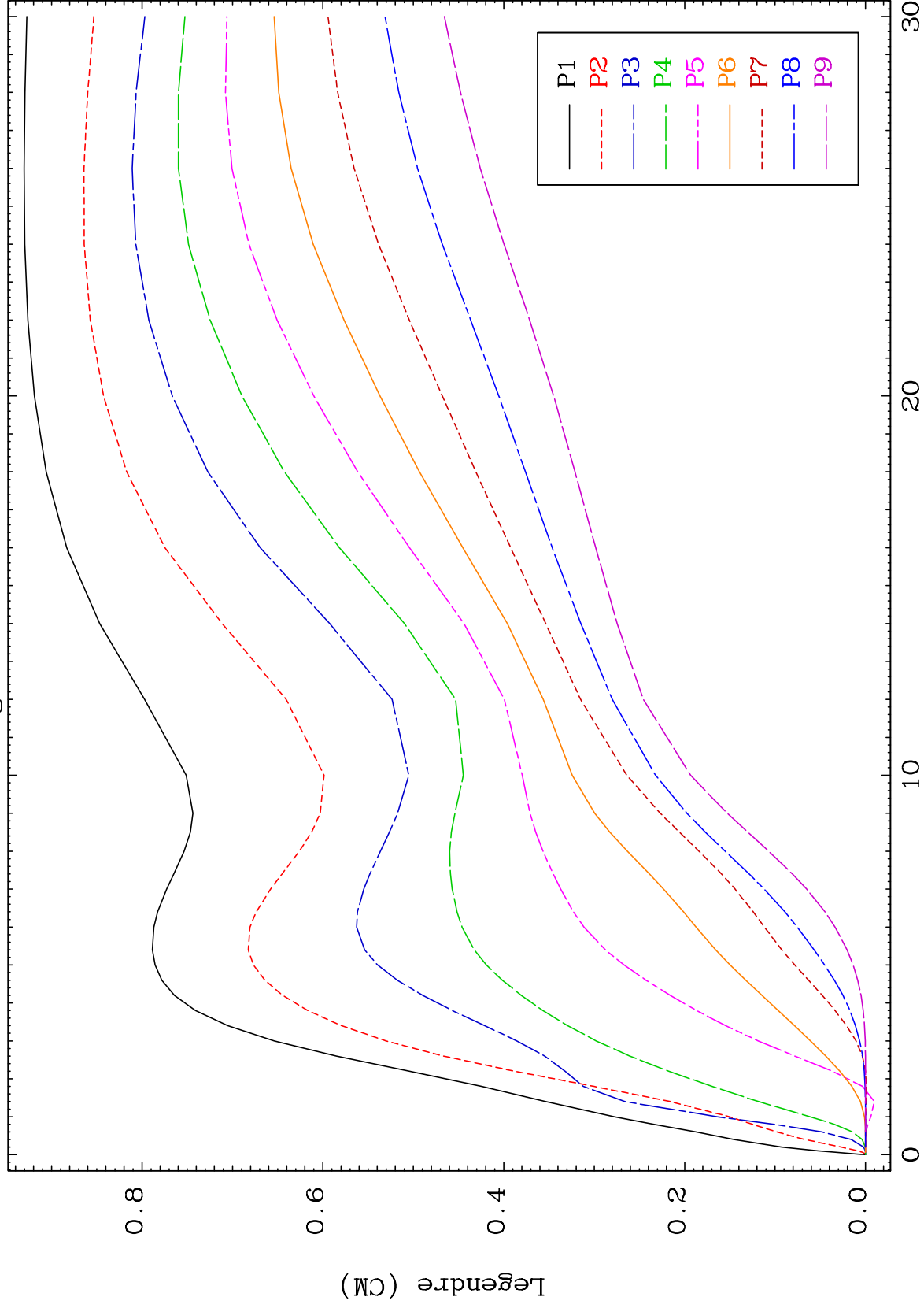
82-Pb-199



MAT 8210

Elastic Legendre Coefficients

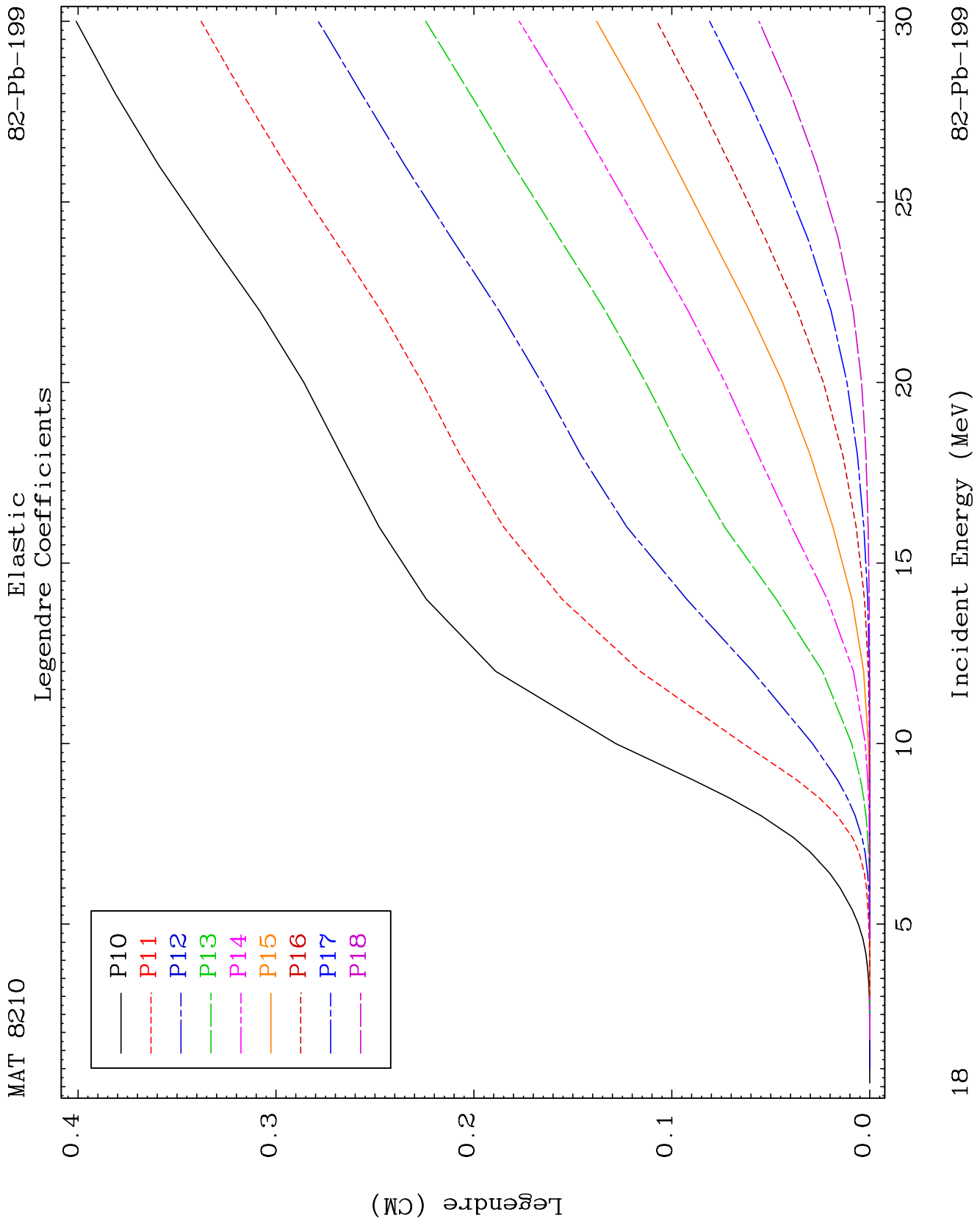
82-Pb-199



17

Incident Energy (MeV)

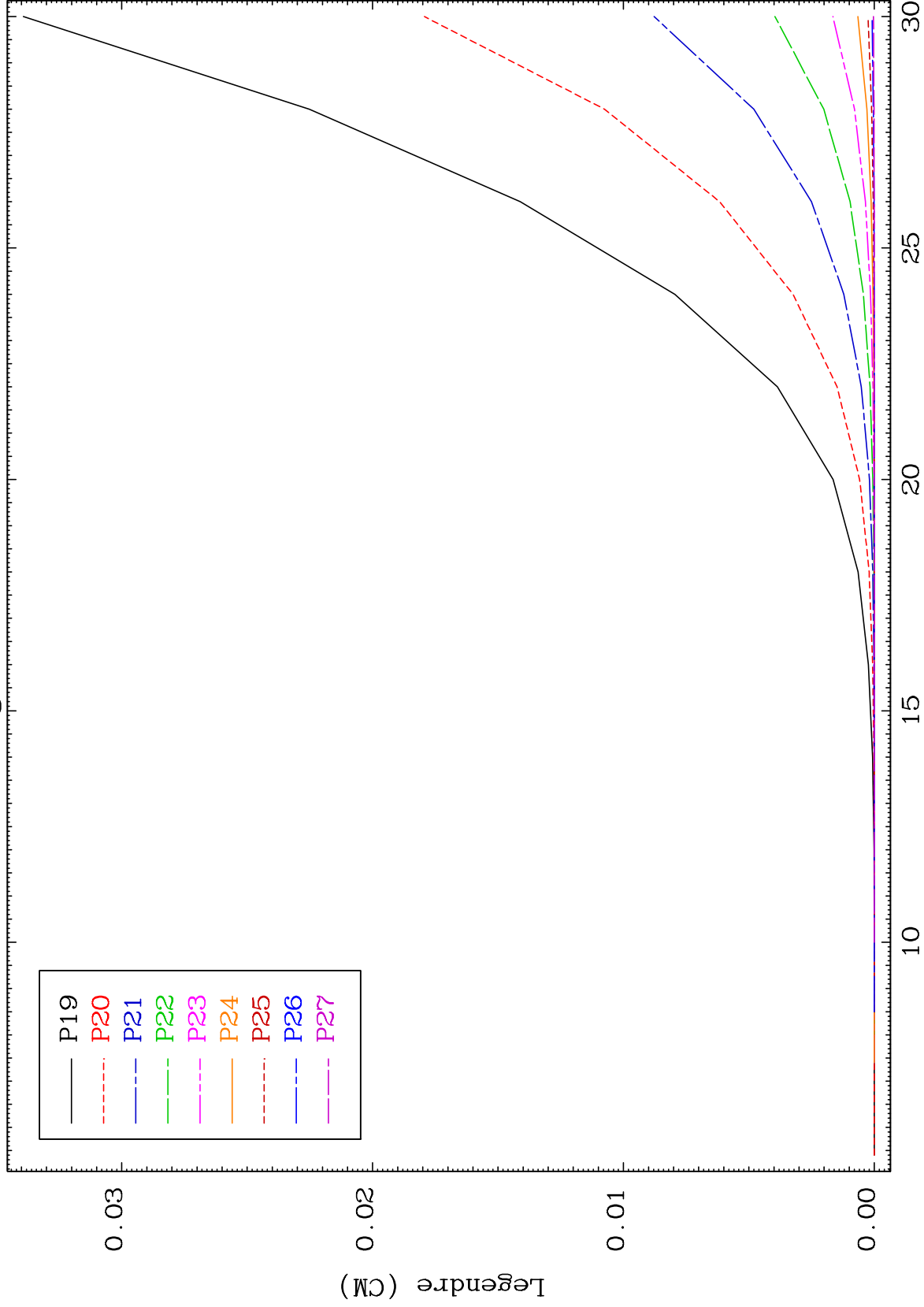
82-Pb-199



MAT 8210

Elastic Legendre Coefficients

82-Pb-199



19

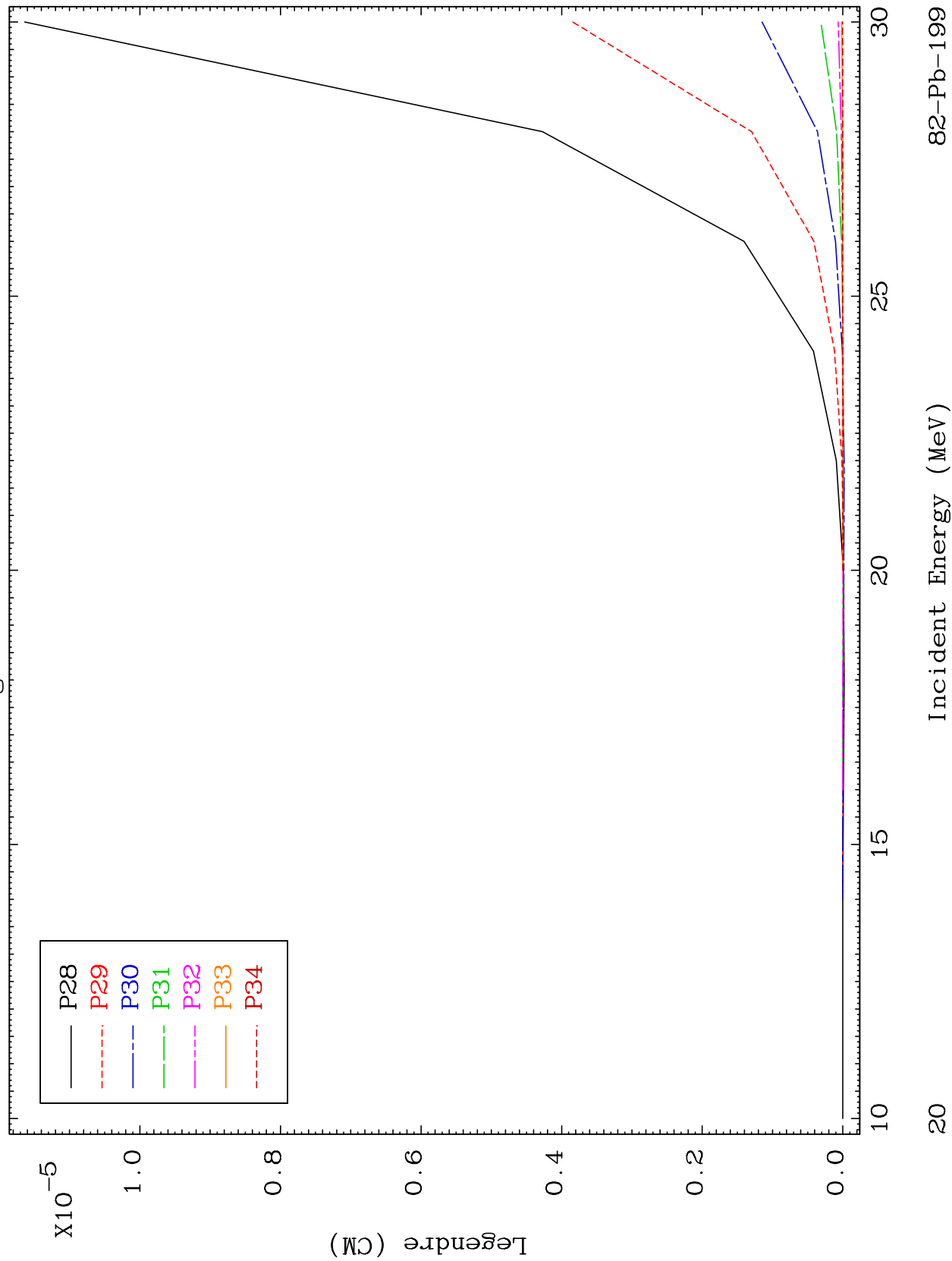
Incident Energy (MeV)

82-Pb-199

MAT 8210

Elastic Legendre Coefficients

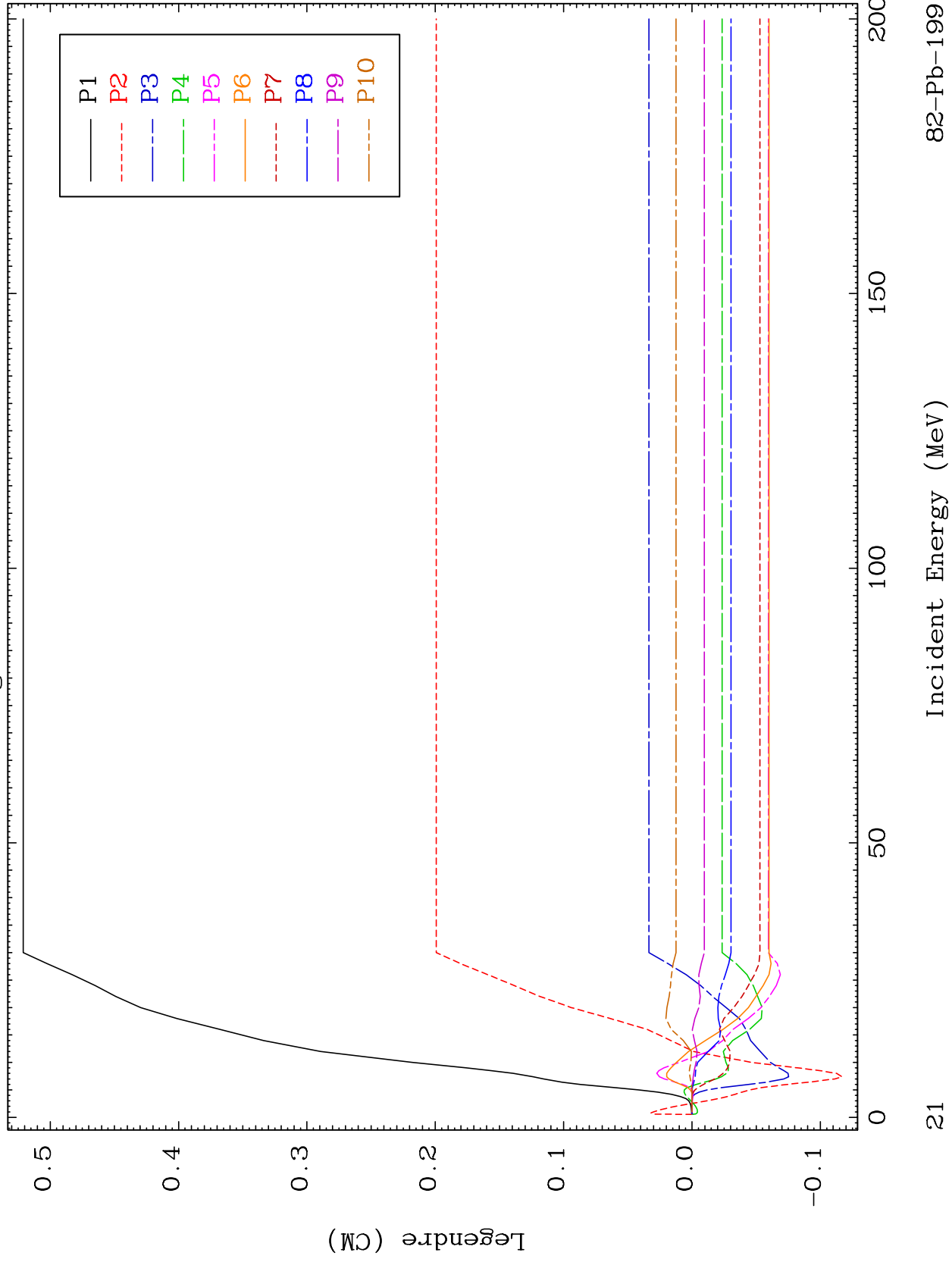
82-Pb-199



MAT 8210

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

82-Pb-199



82-Pb-199

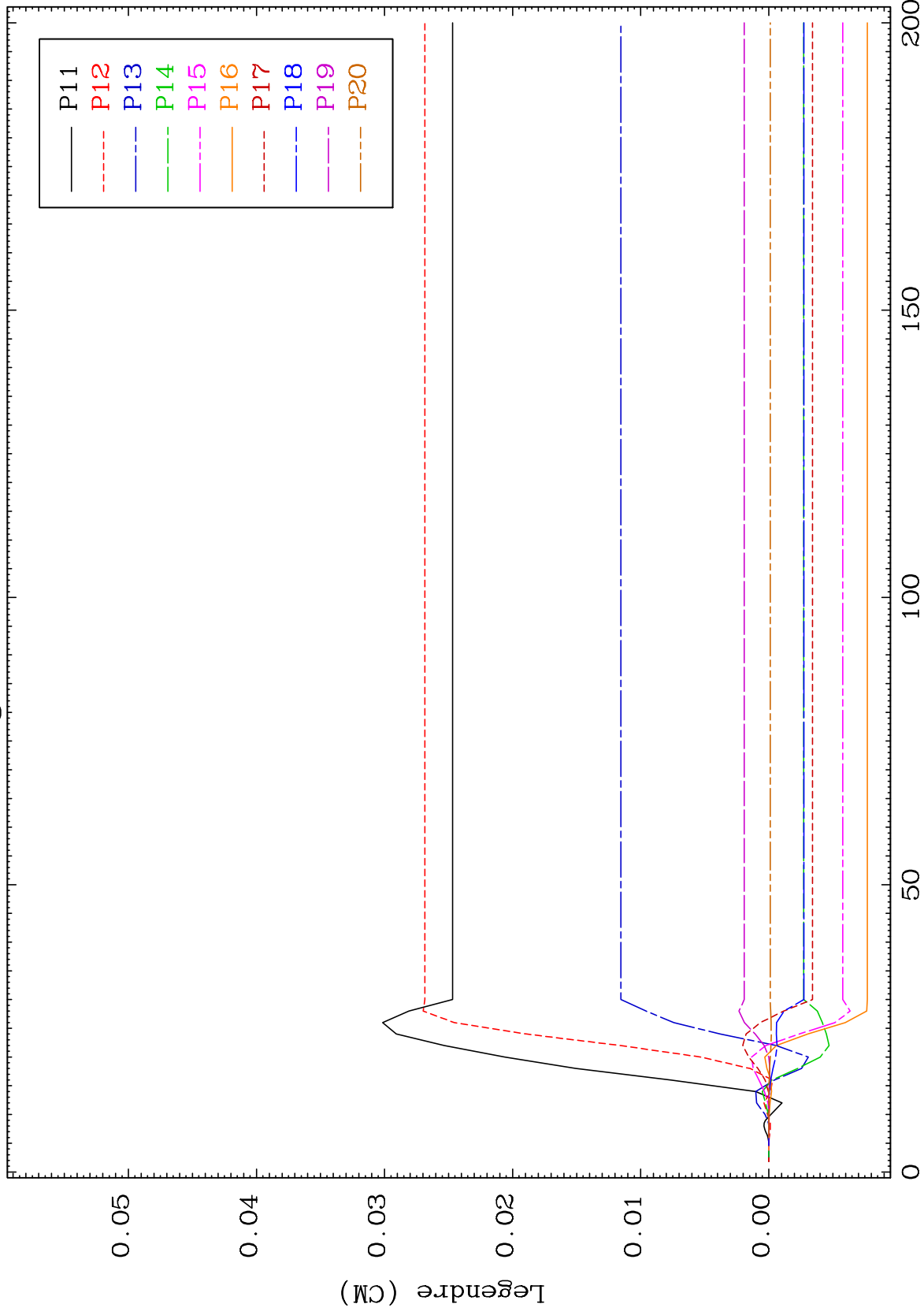
Incident Energy (MeV)

21

MAT 8210

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

82-Pb-199



22

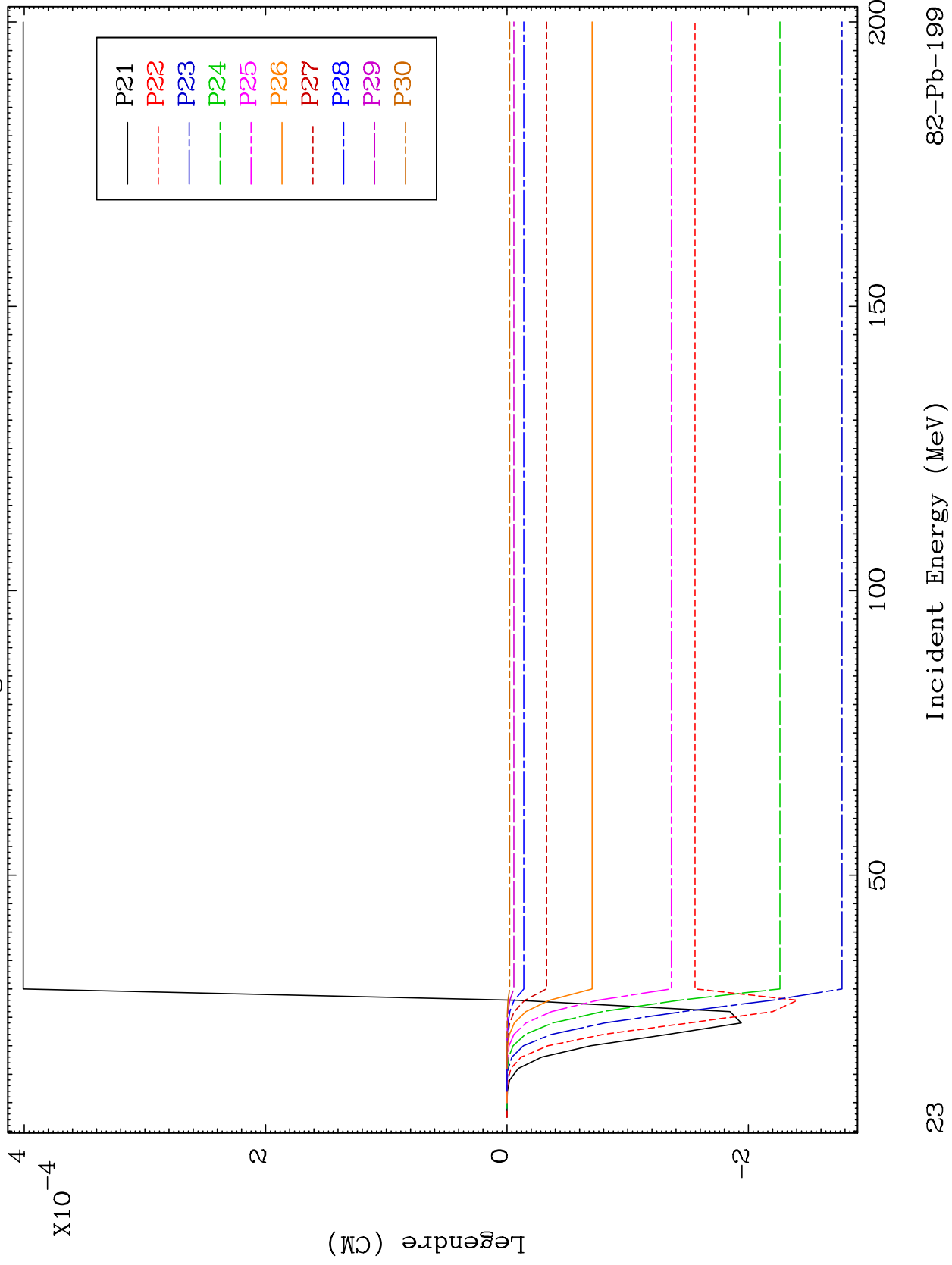
Incident Energy (MeV)

82-Pb-199

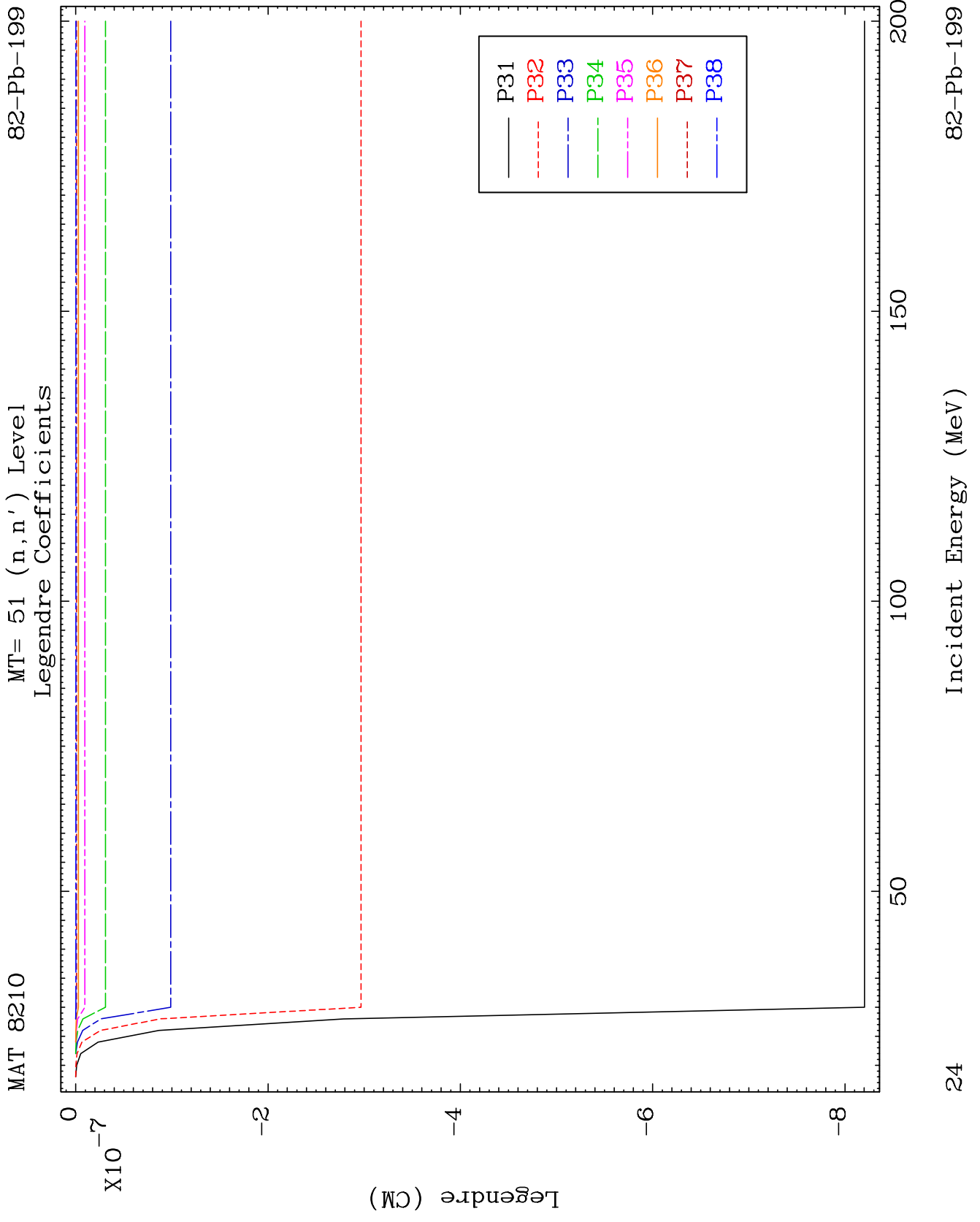
MAT 8210

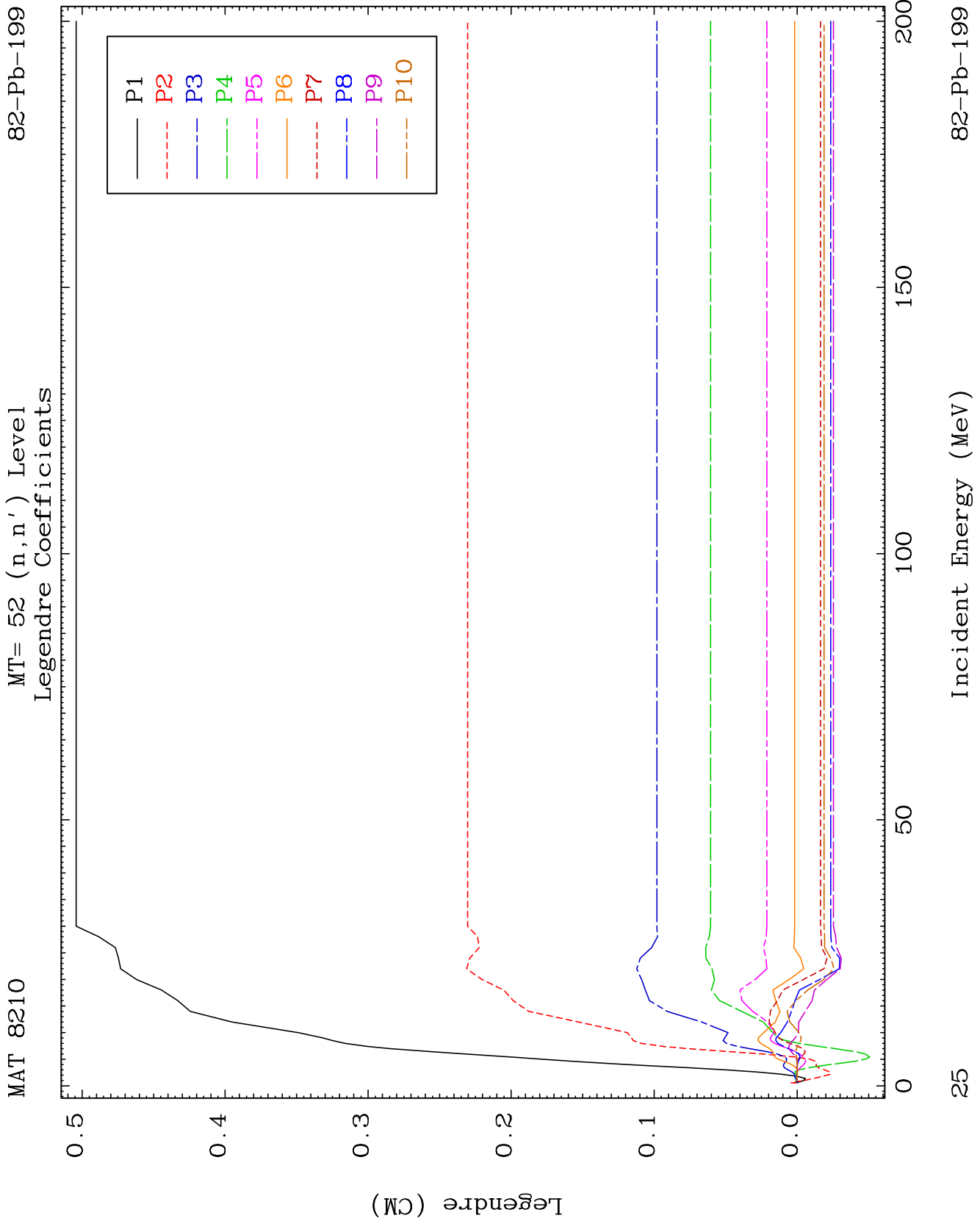
MT= 51 (n,n') Level
Legendre Coefficients

82-Pb-199



23

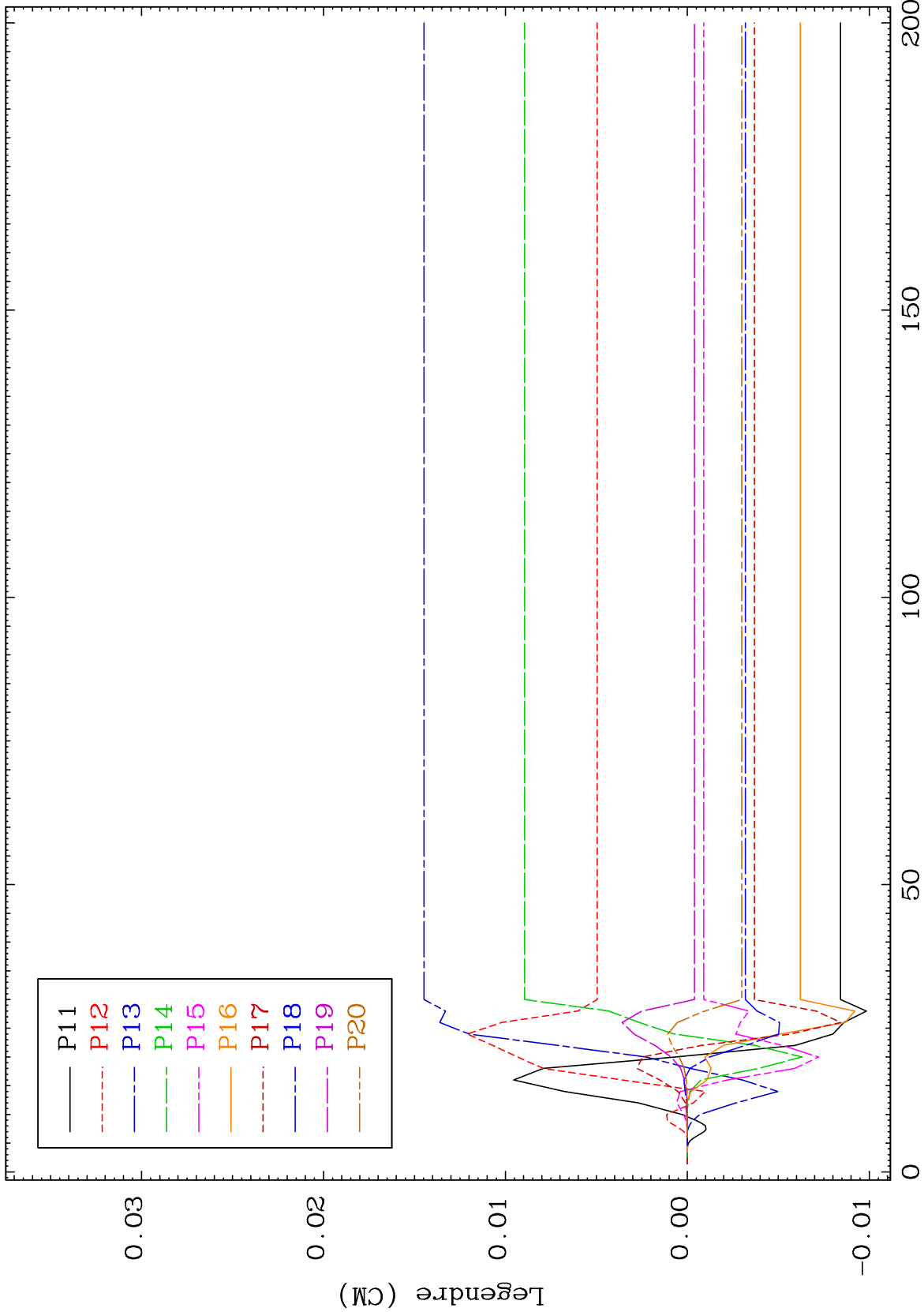




MAT 8210

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

82-Pb-199



26

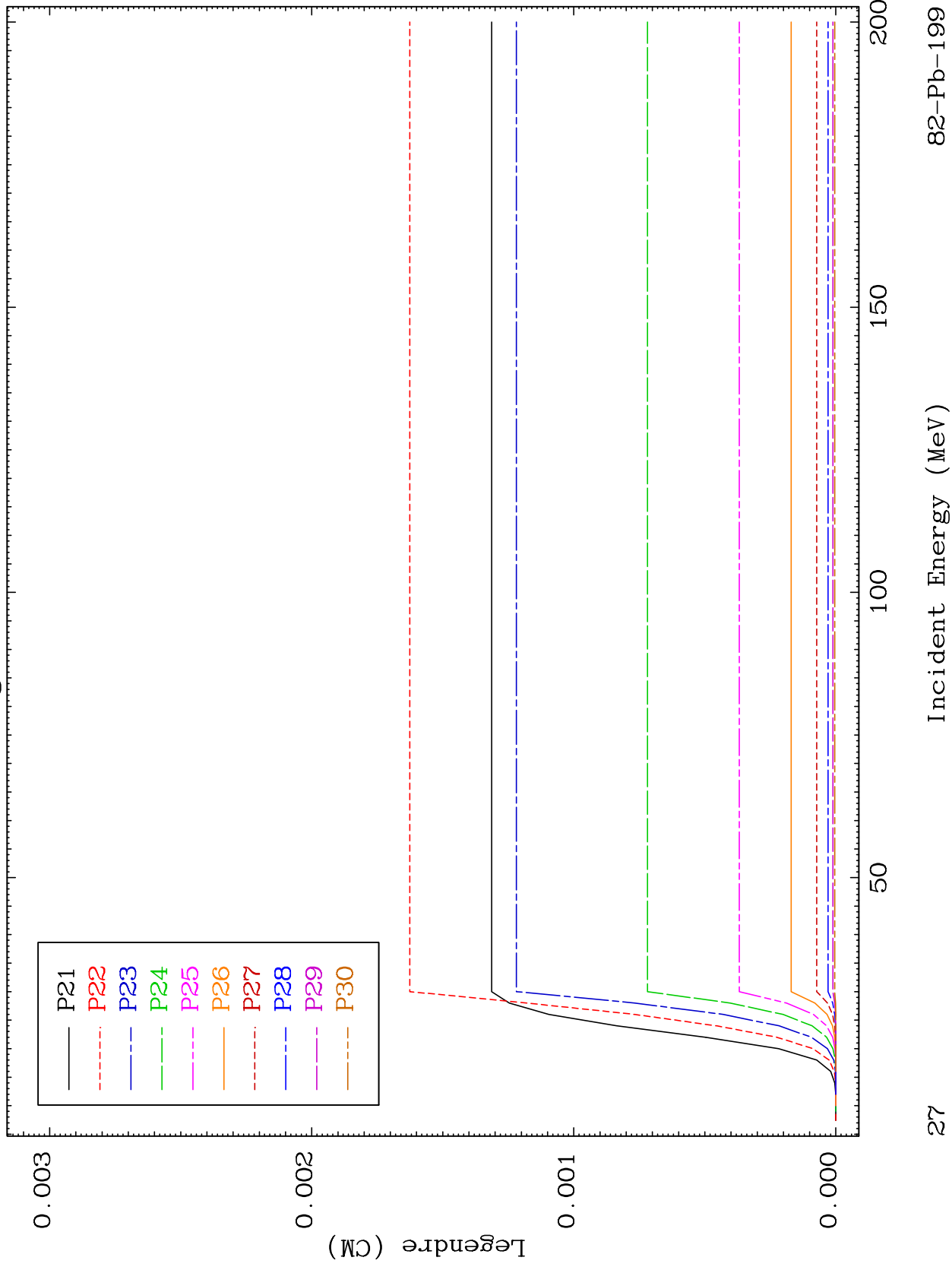
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

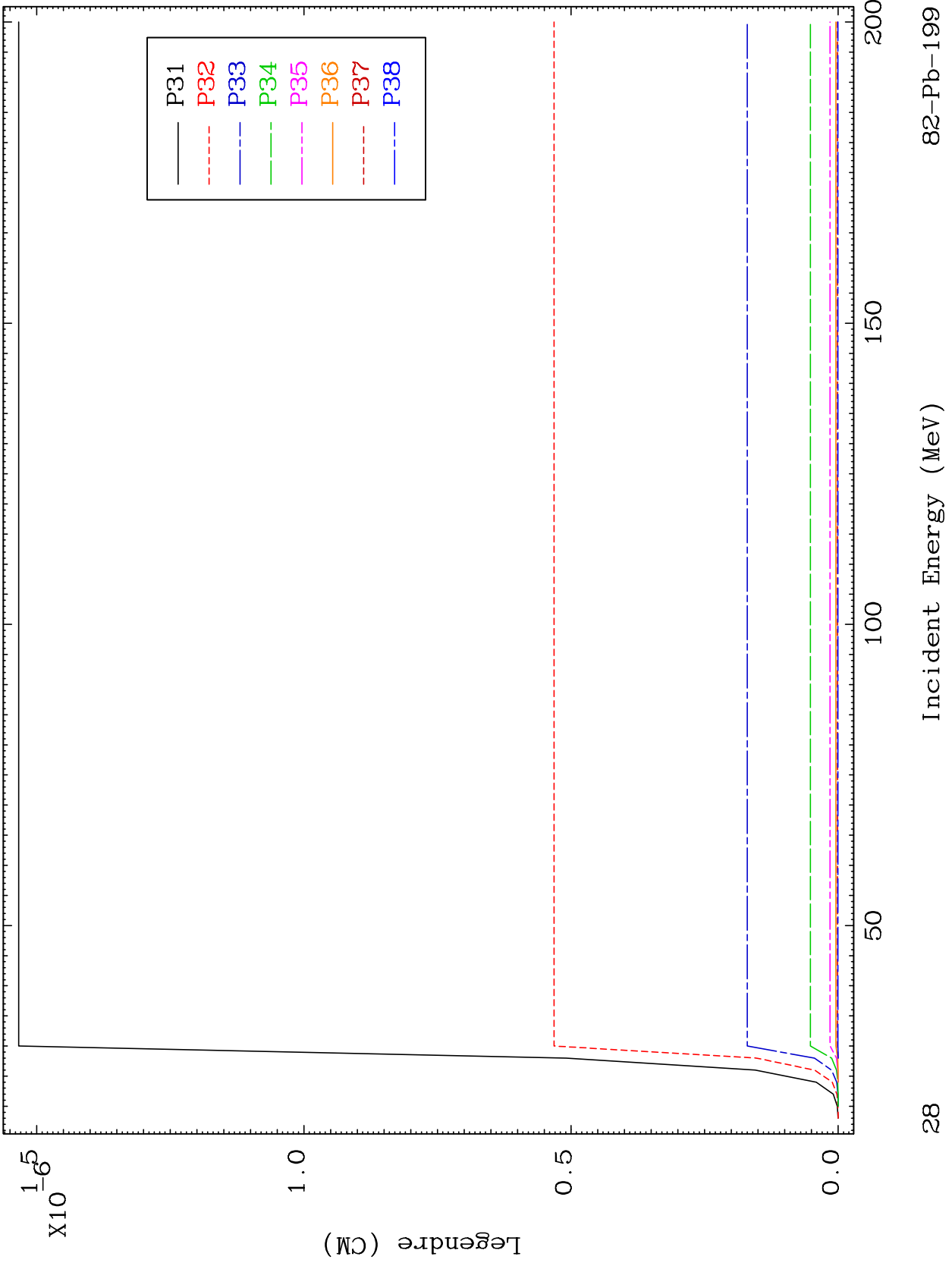
82-Pb-199



MAT 8210

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

82-Pb-199



28

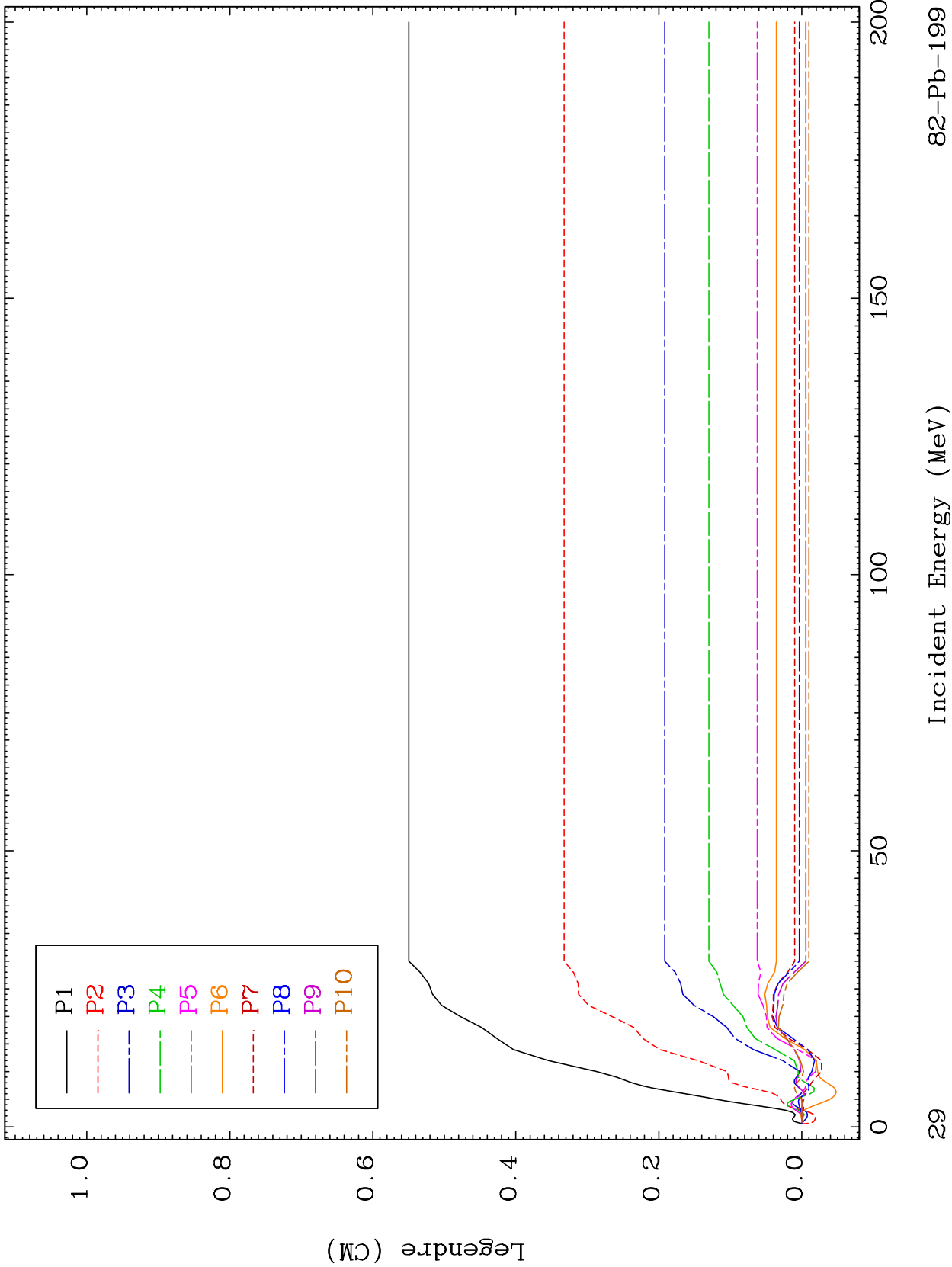
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

82-Pb-199

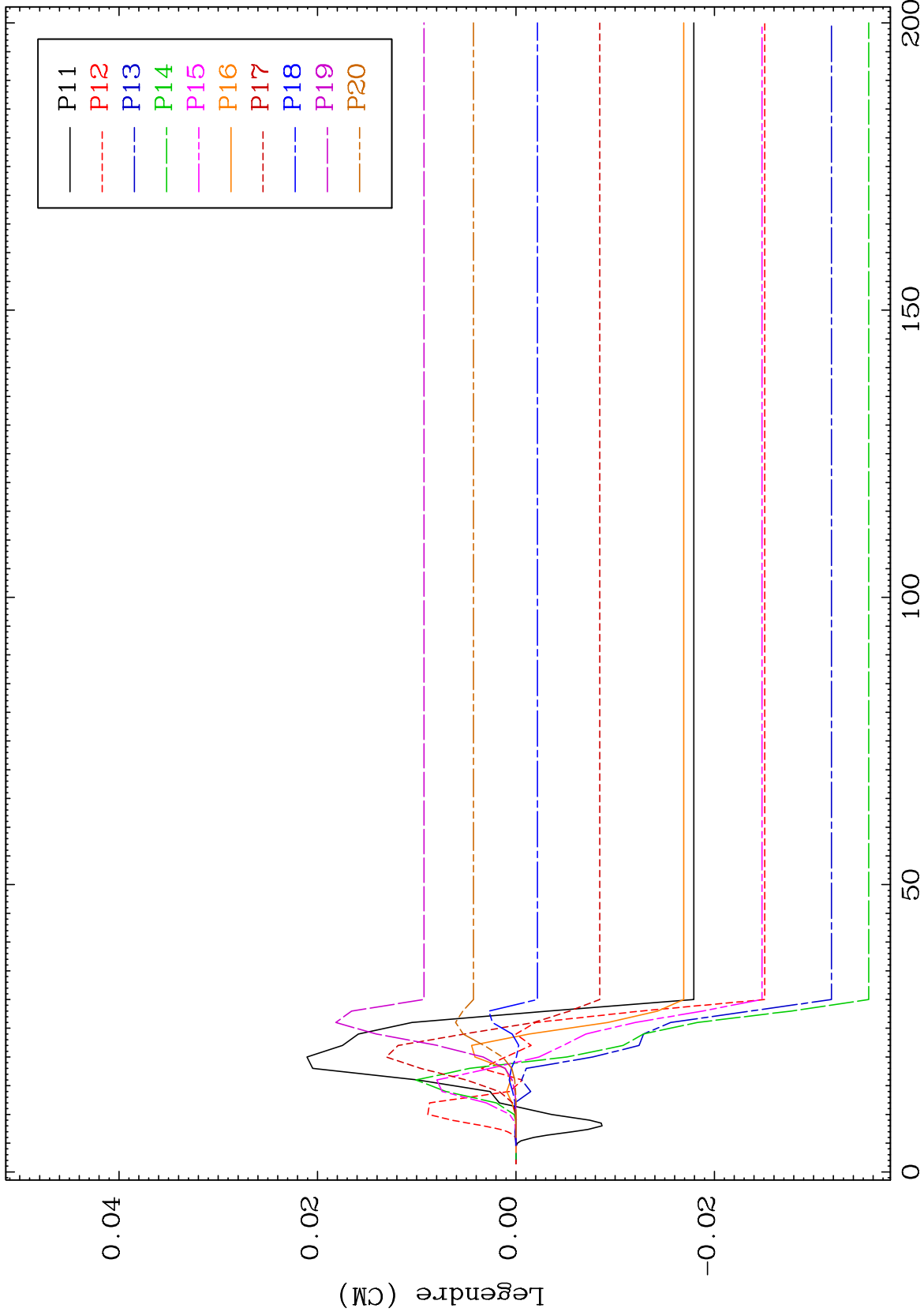


29

MAT 8210

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

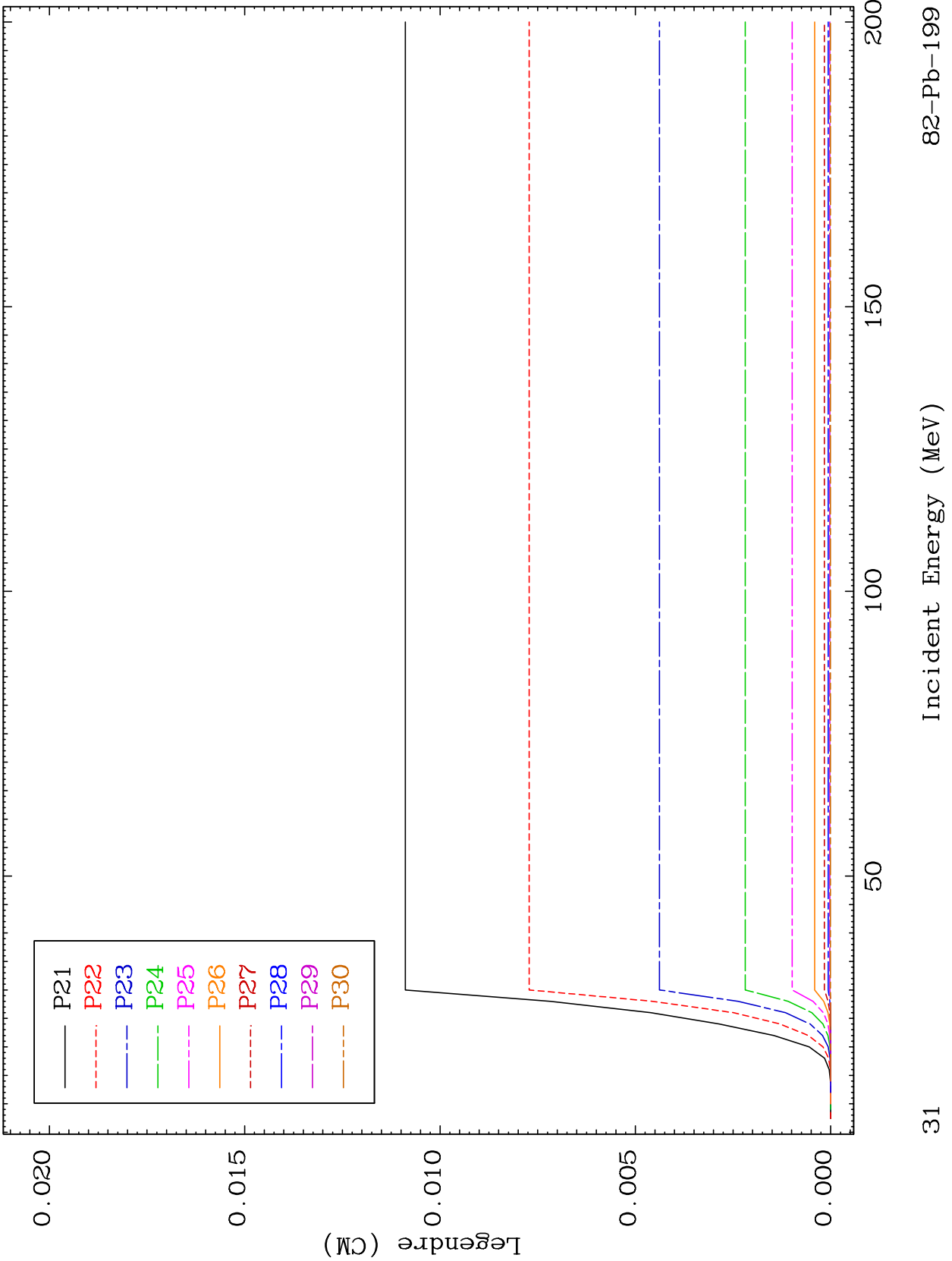
82-Pb-199



82-Pb-199

Incident Energy (MeV)

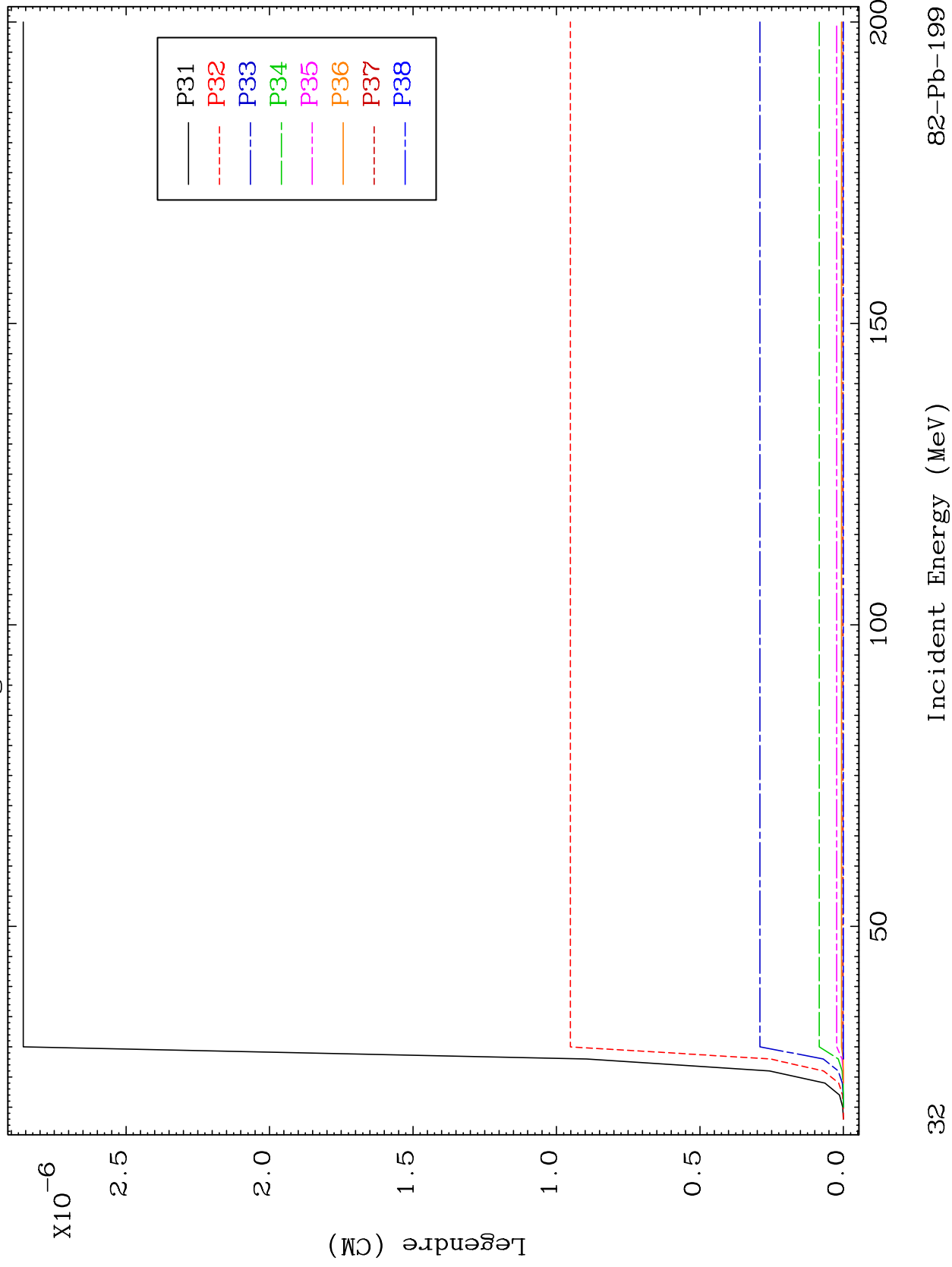
30



MAT 8210

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

82-Pb-199

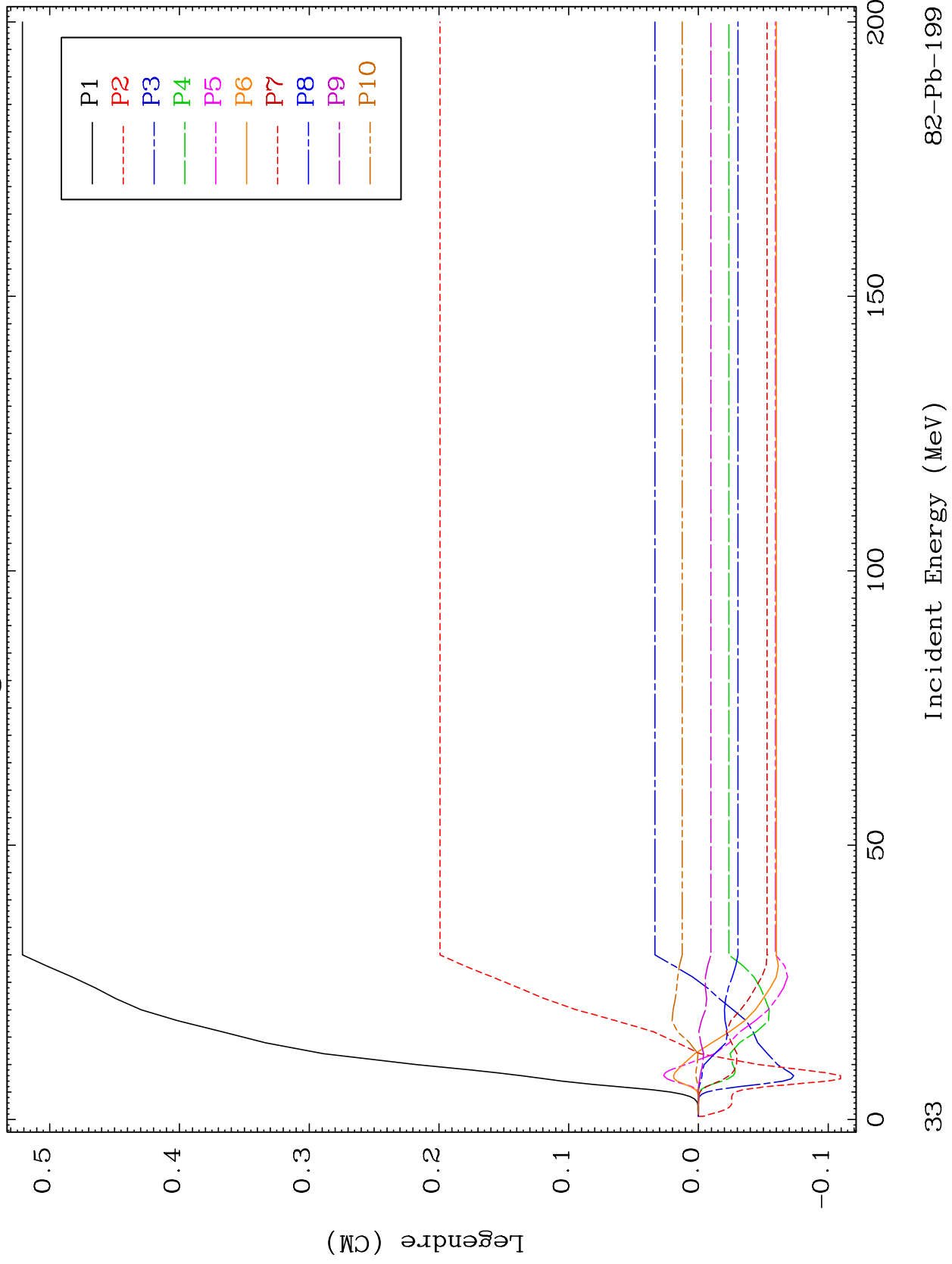


32

MAT 8210

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

82-Pb-199



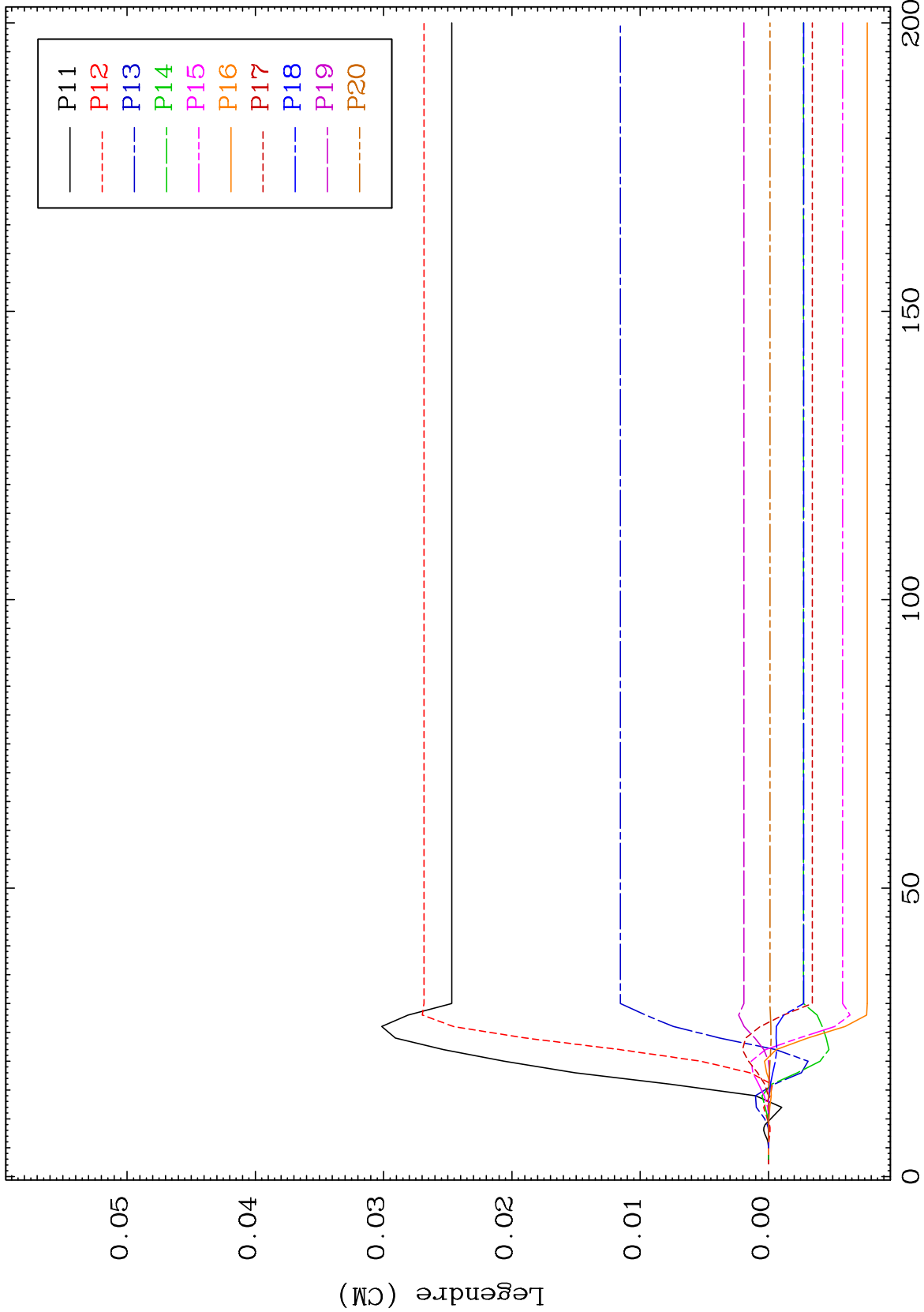
33

82-Pb-199

MAT 8210

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

82-Pb-199



34

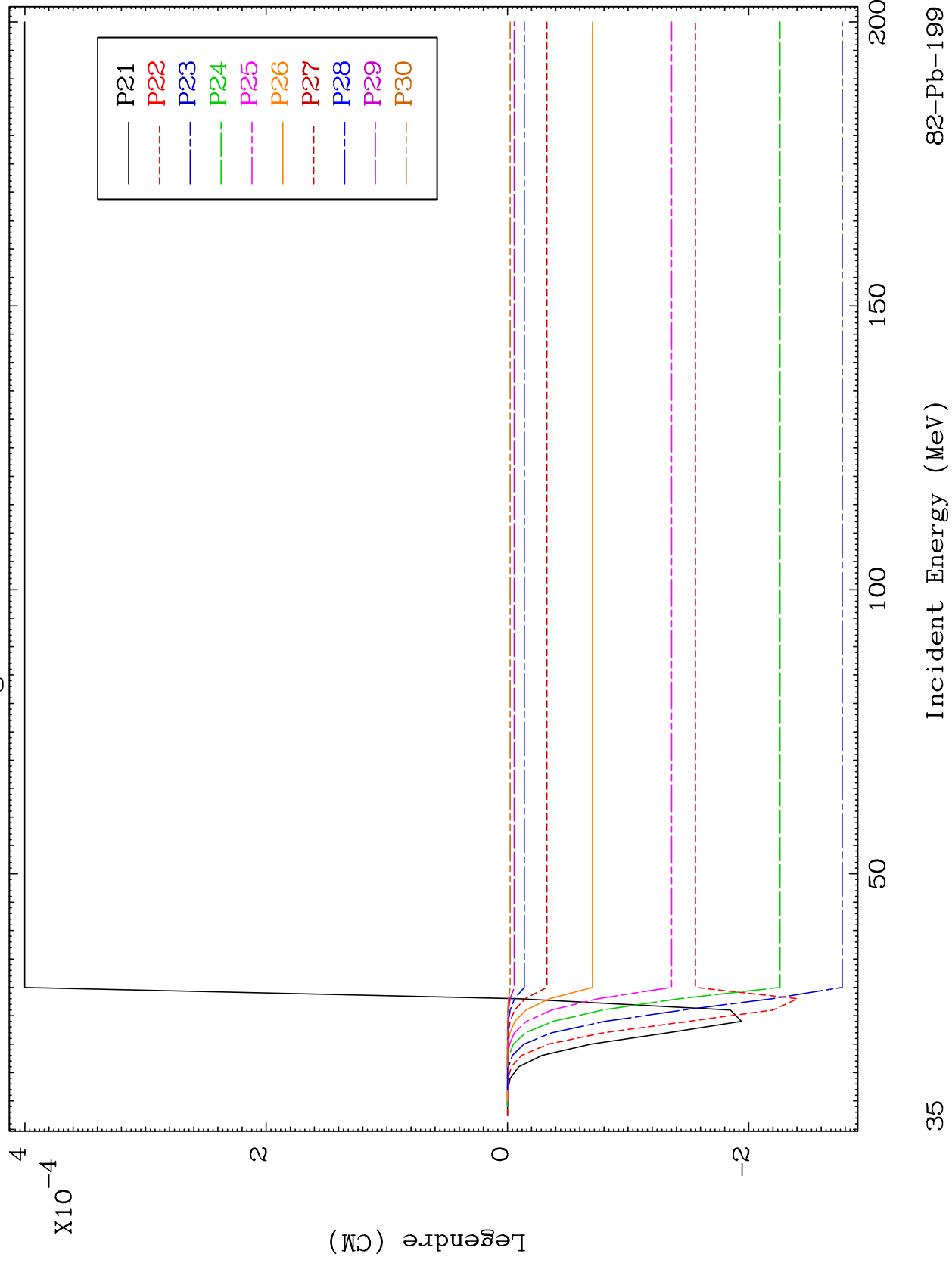
Incident Energy (MeV)

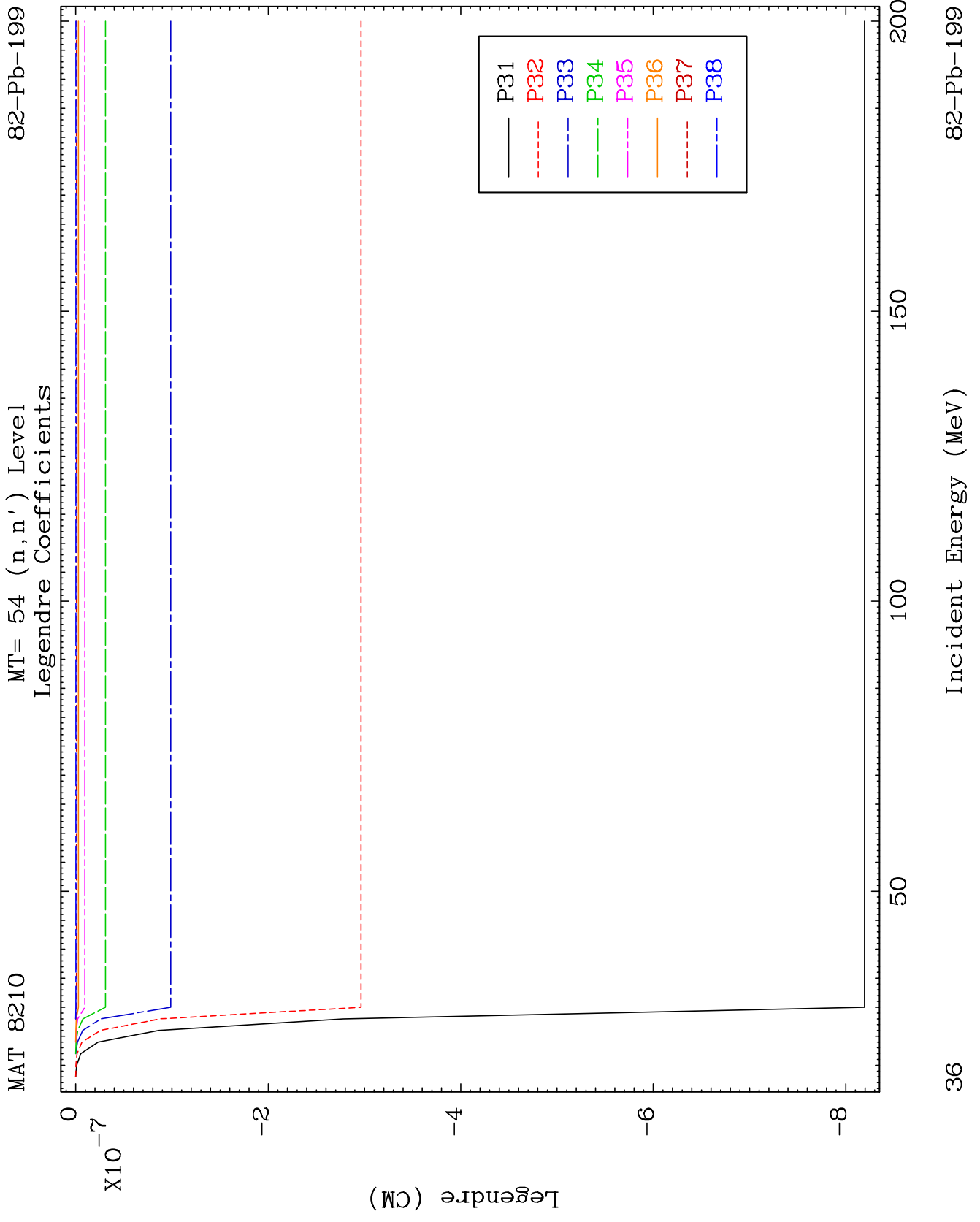
82-Pb-199

MAT 8210

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

82-Pb-199

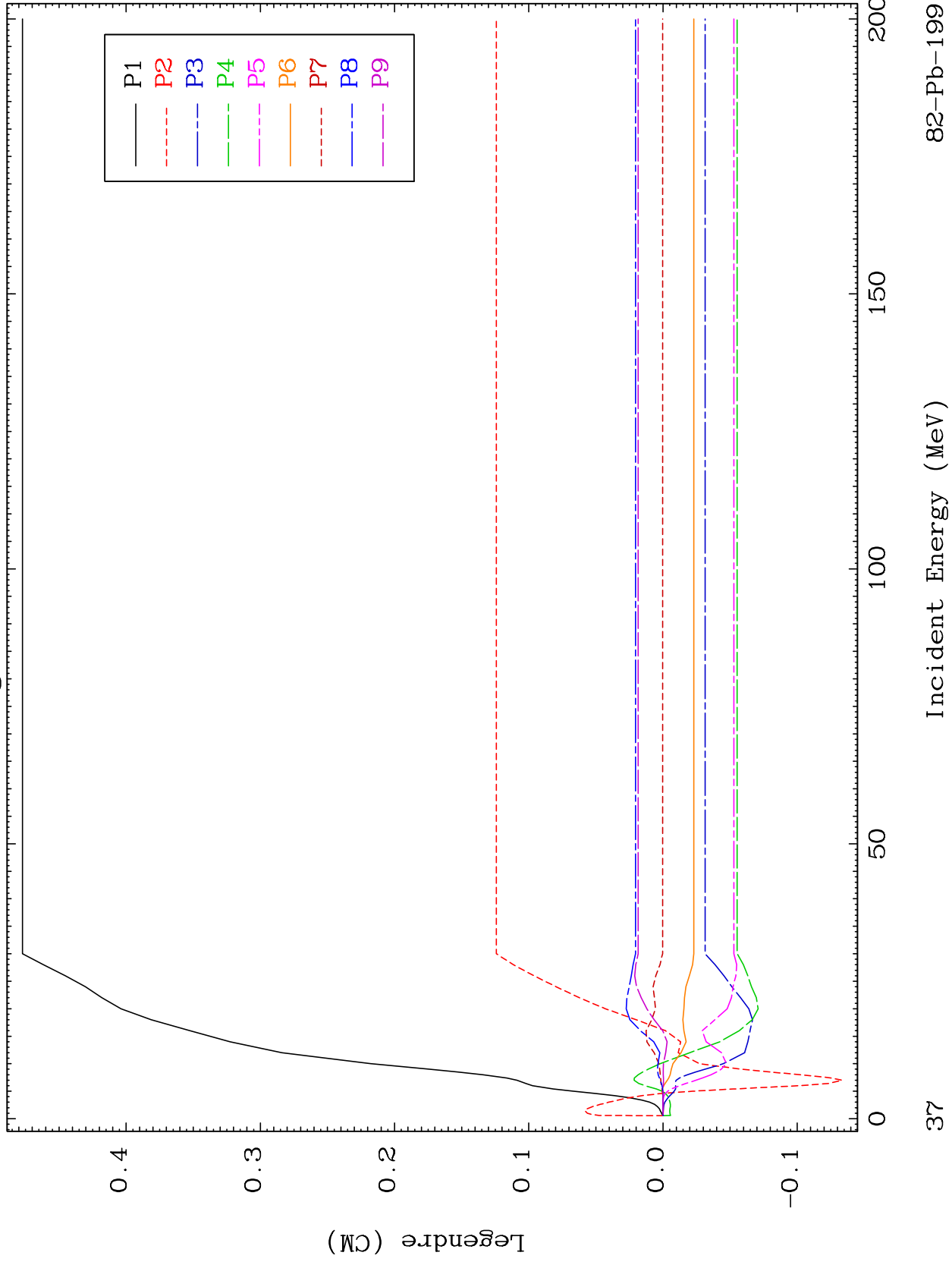




MAT 8210

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

82-Pb-199



82-Pb-199

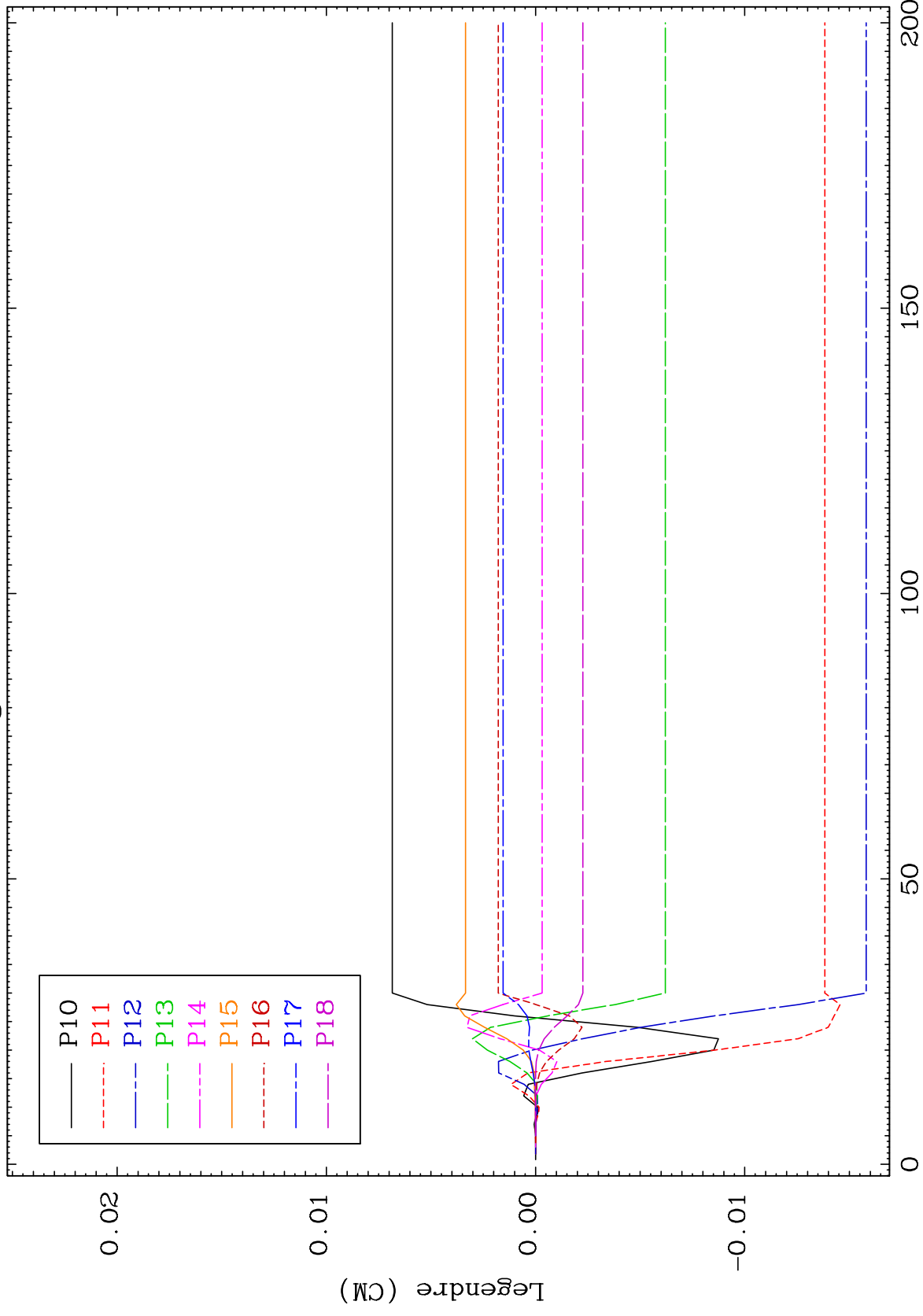
Incident Energy (MeV)

37

MAT 8210

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

82-Pb-199



38

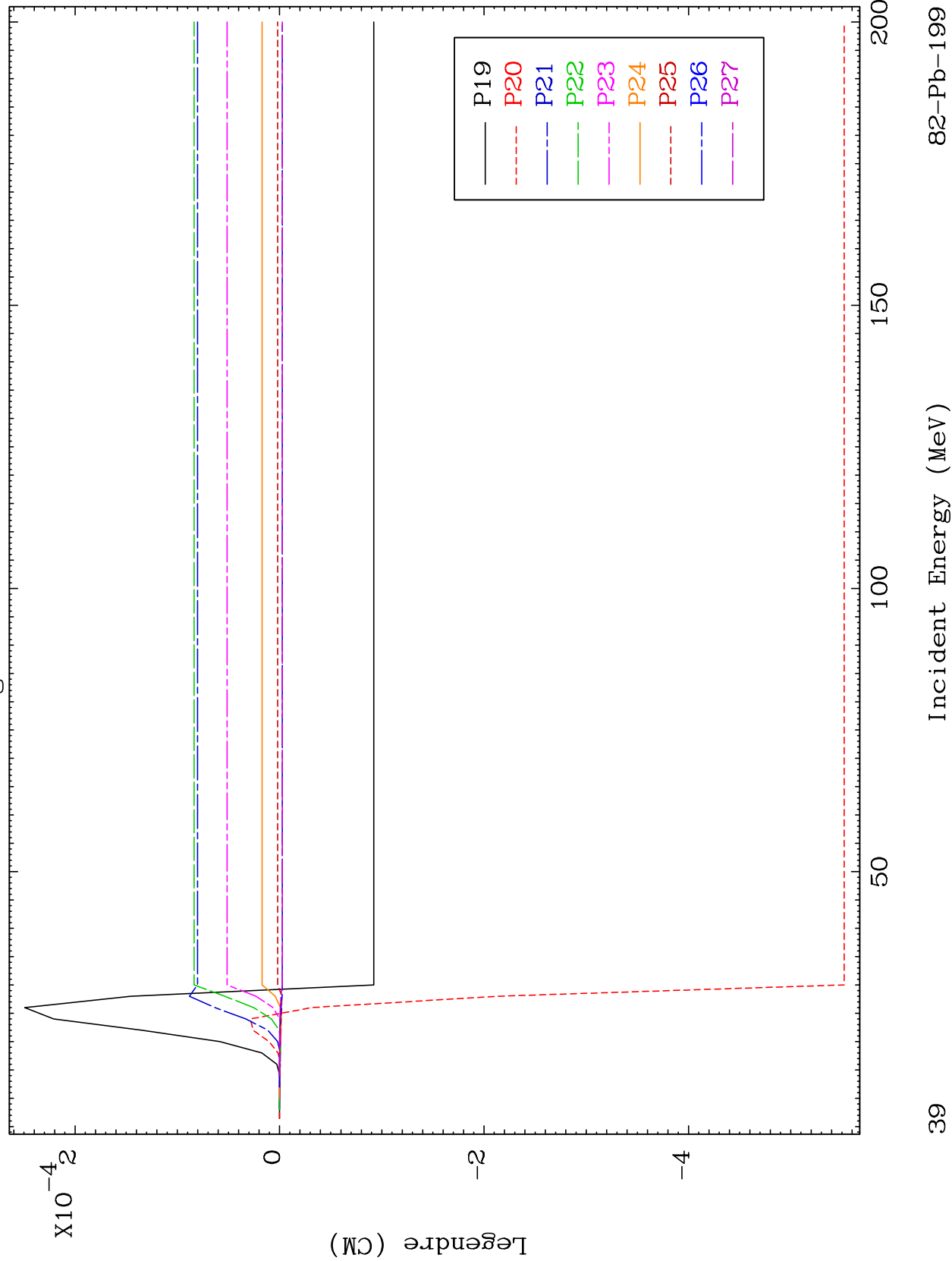
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

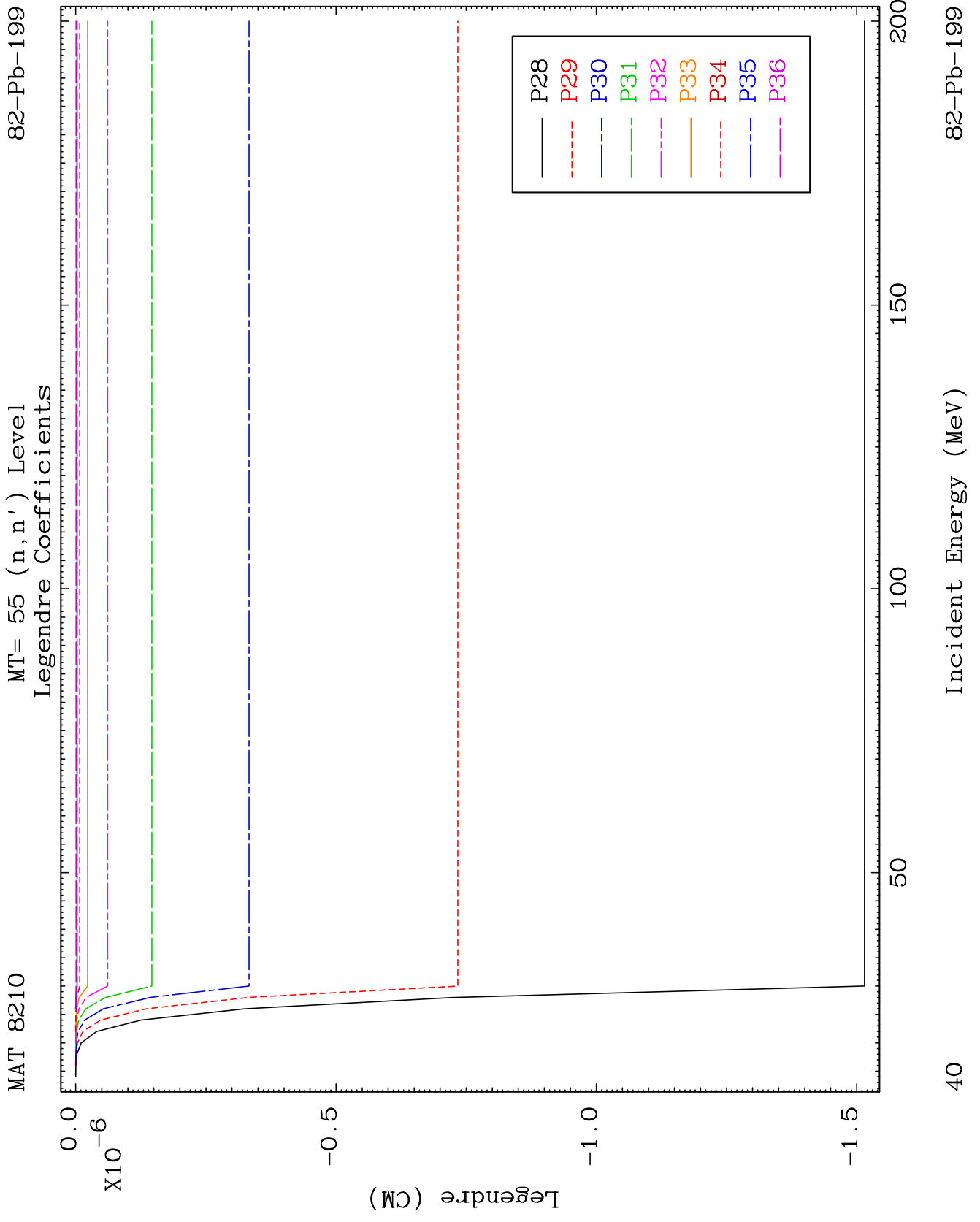
82-Pb-199



39

Incident Energy (MeV)

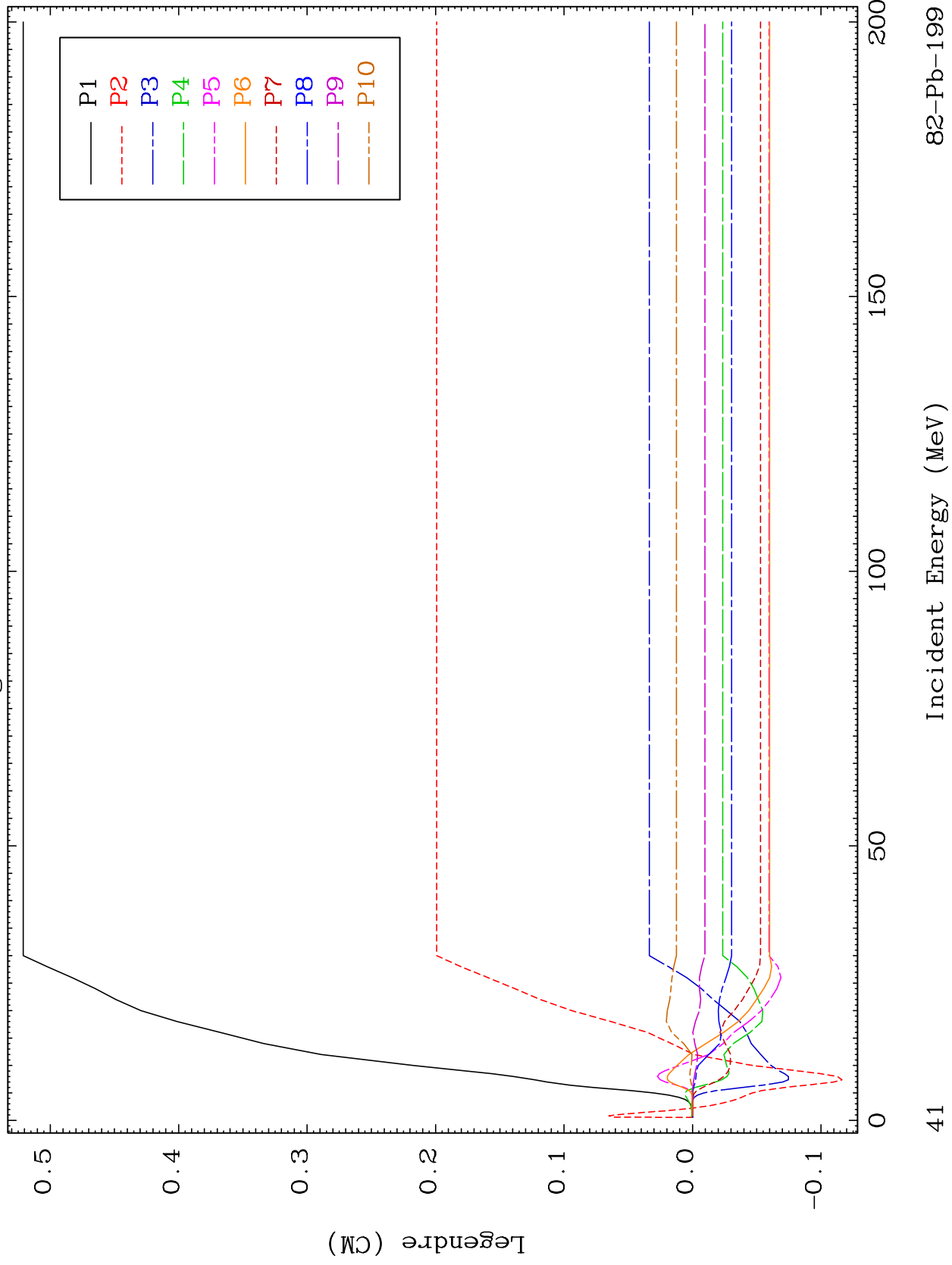
82-Pb-199



MAT 8210

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

82-Pb-199



41

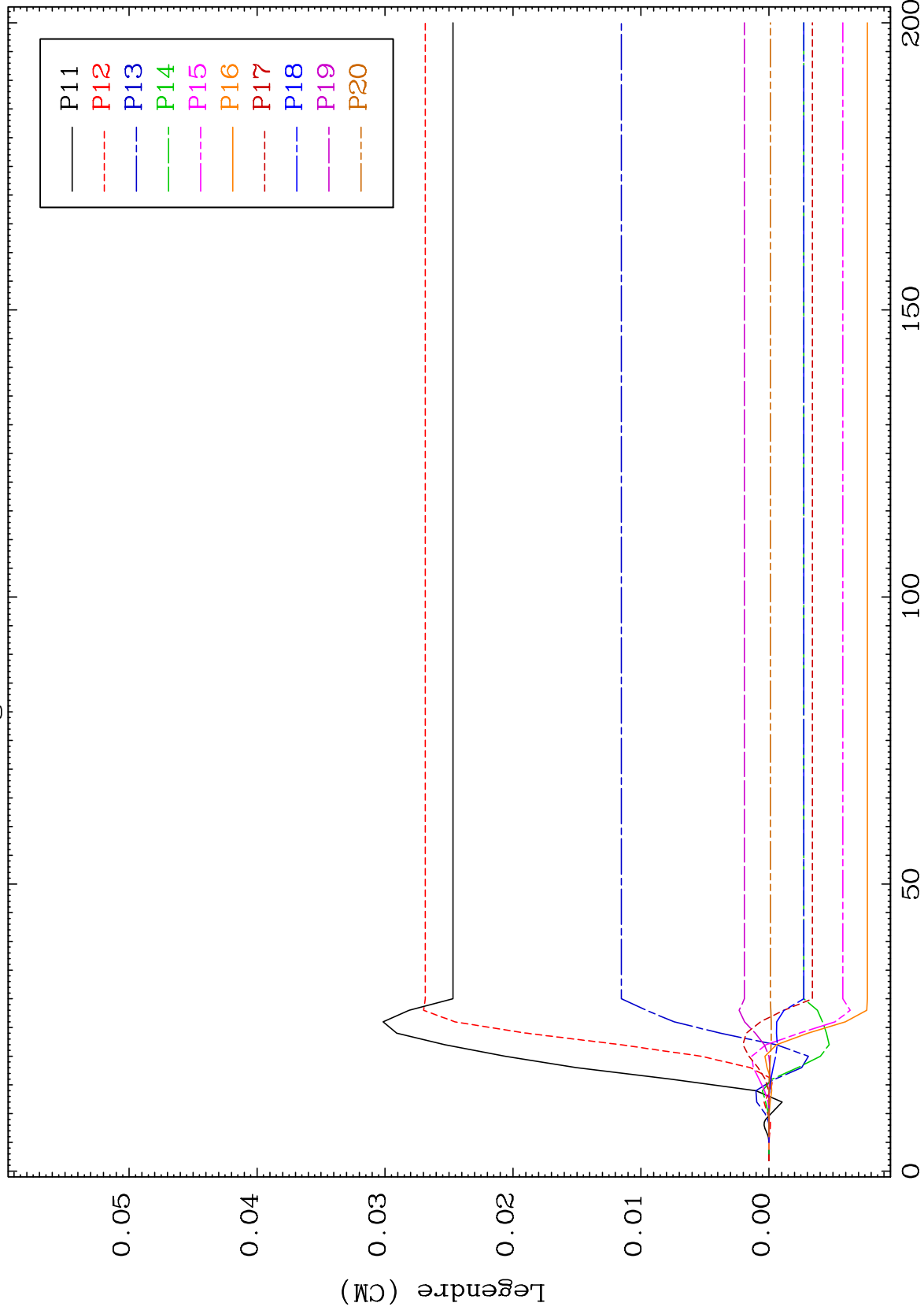
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

82-Pb-199



42

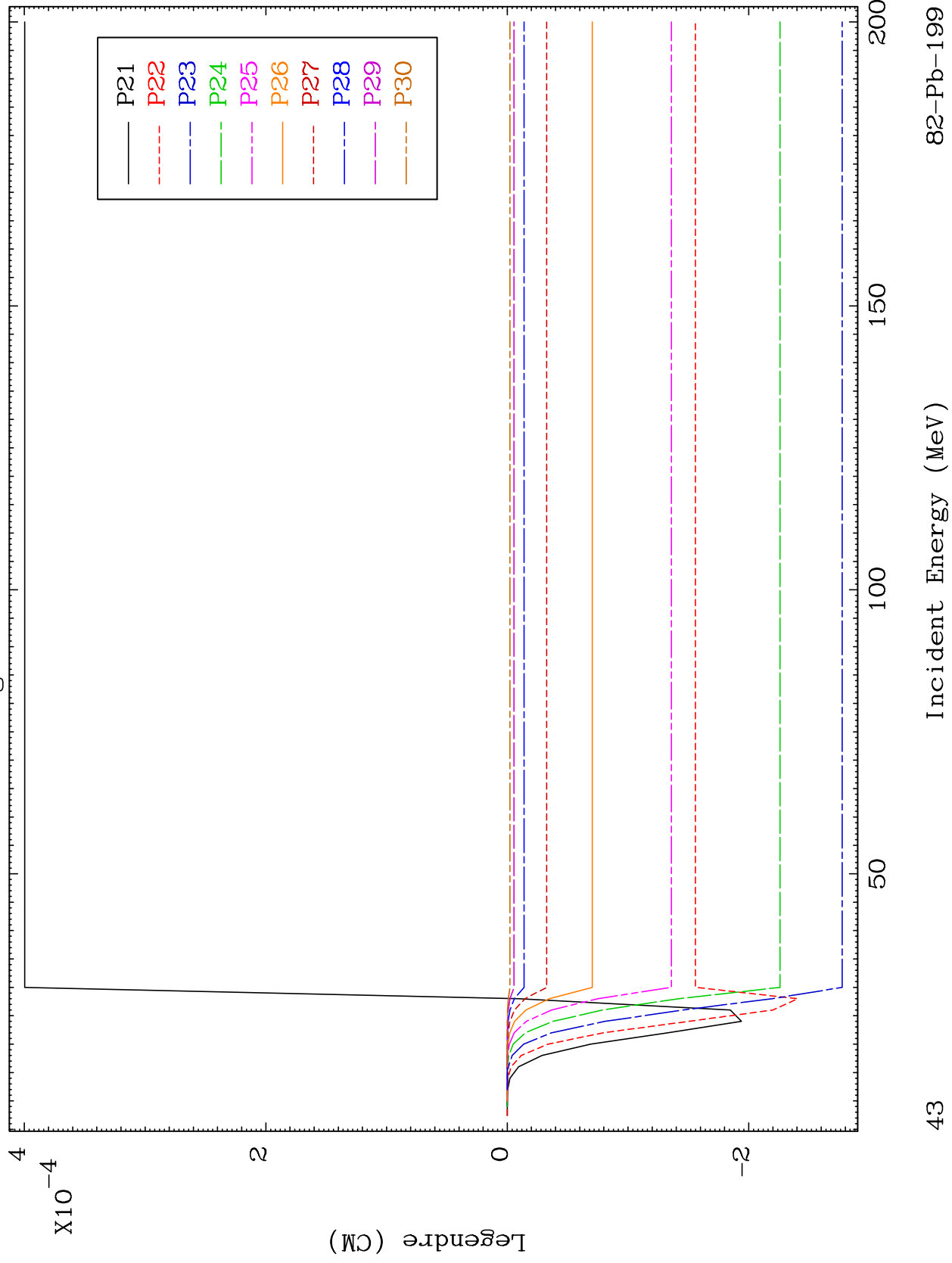
Incident Energy (MeV)

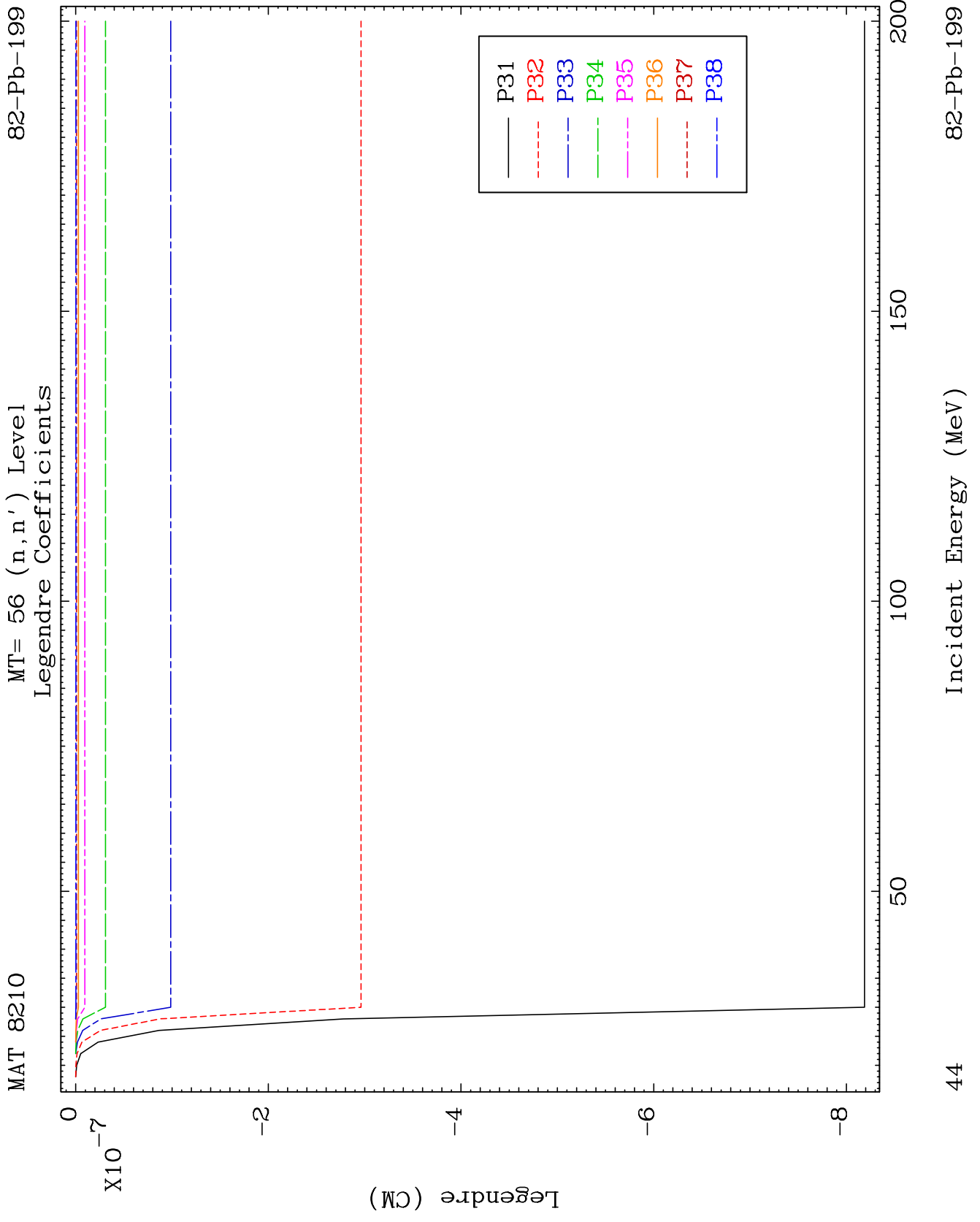
82-Pb-199

MAT 8210

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

82-Pb-199

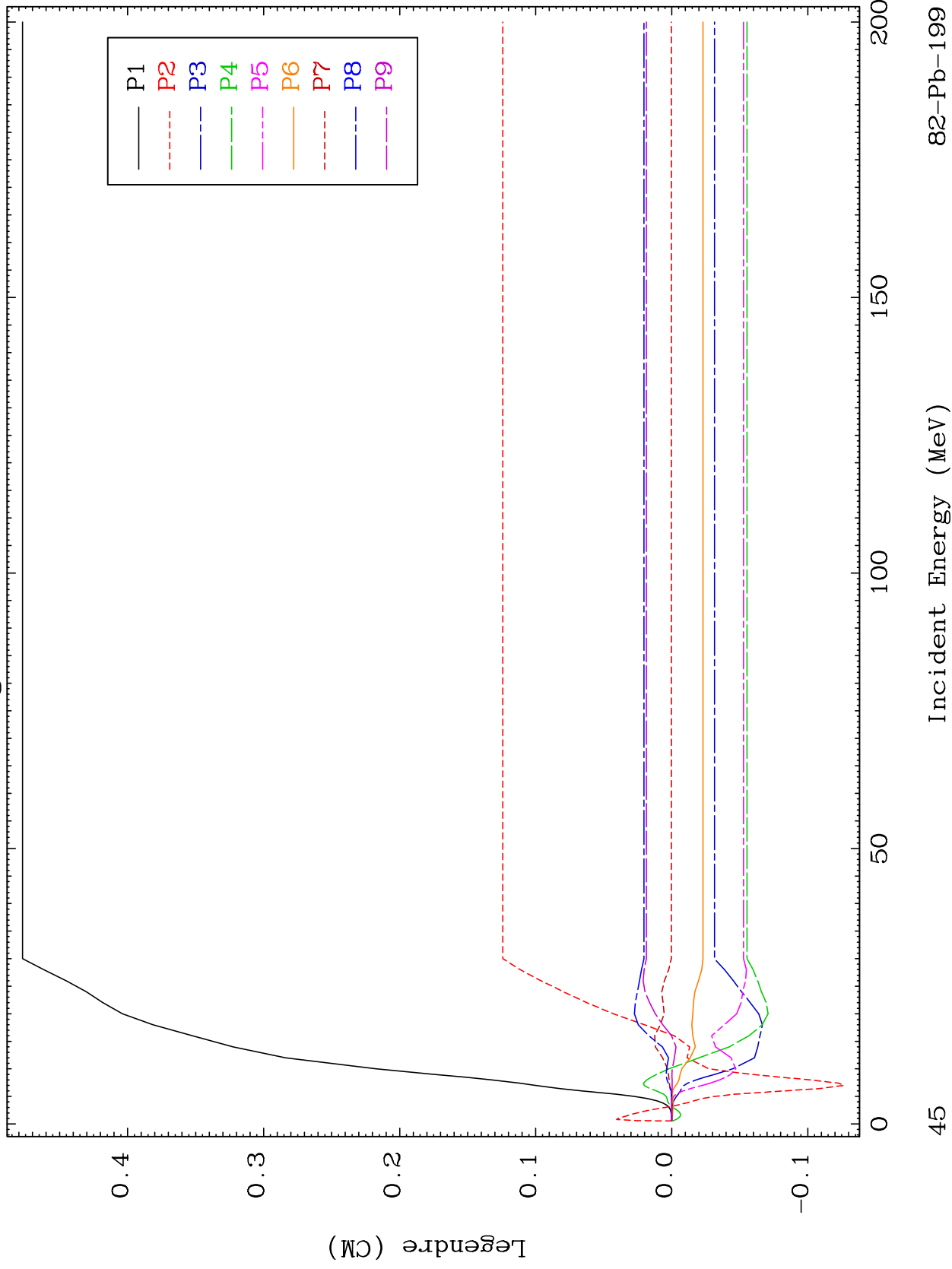




MAT 8210

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

82-Pb-199



82-Pb-199

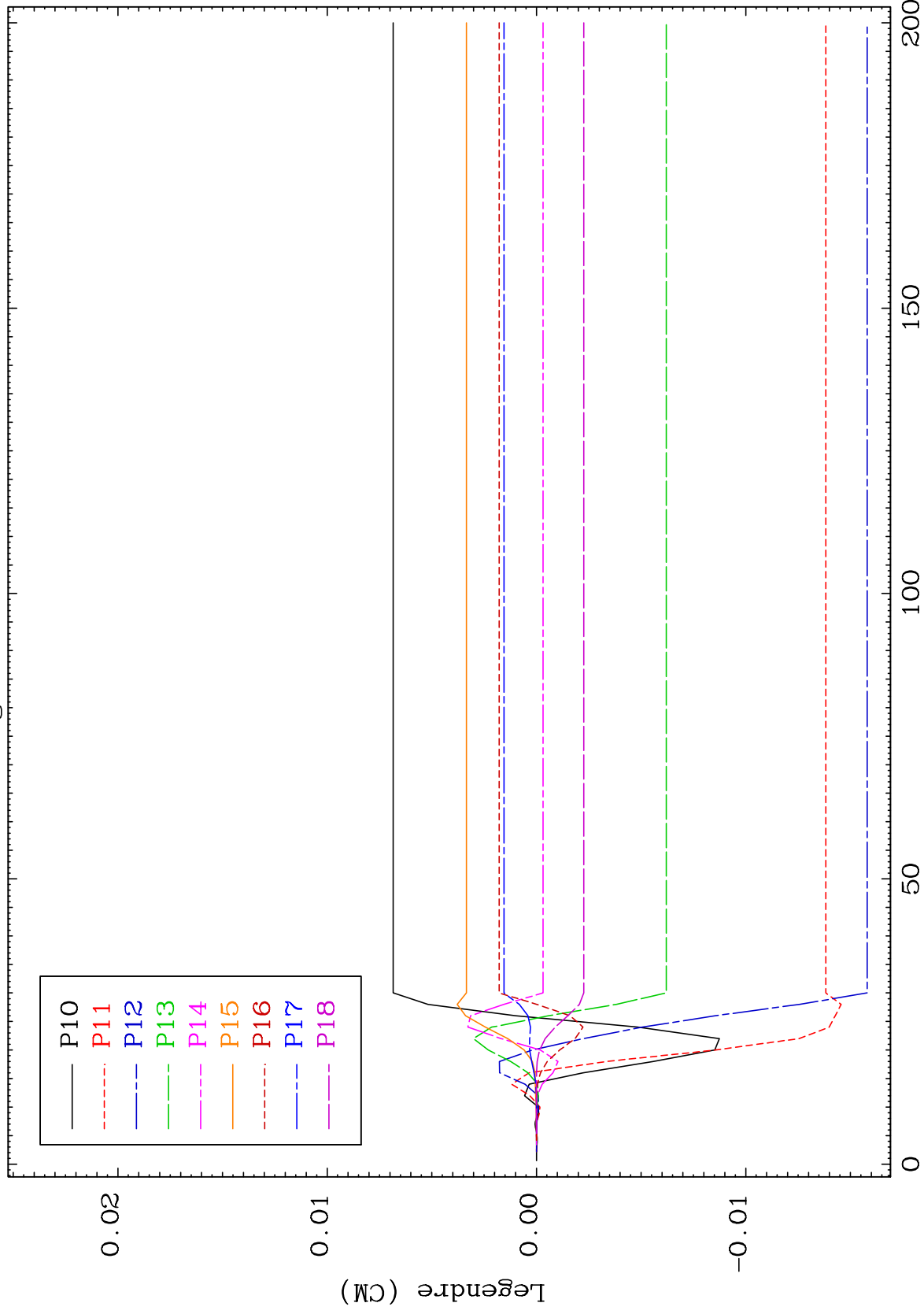
Incident Energy (MeV)

45

MAT 8210

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

82-Pb-199



46

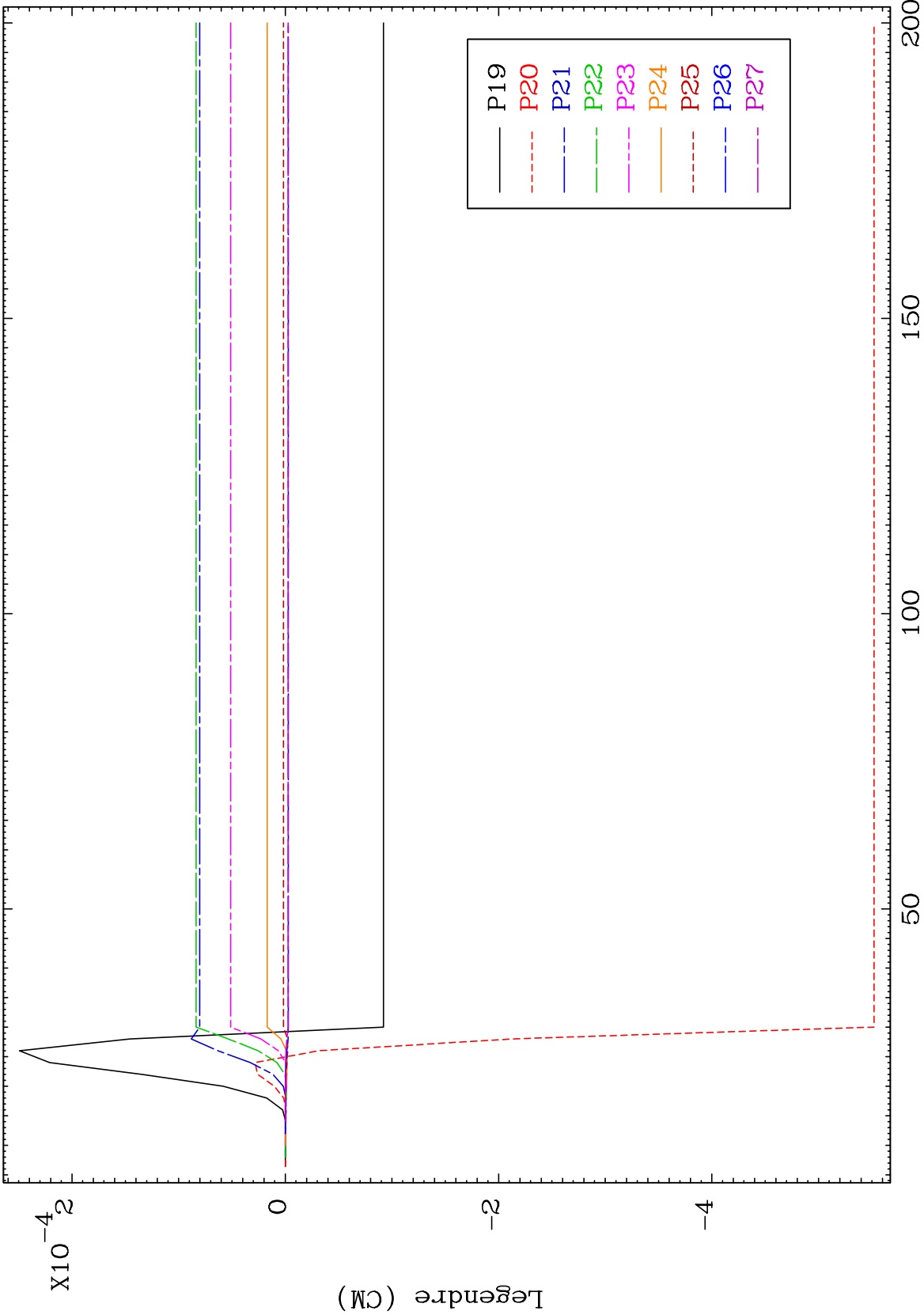
Incident Energy (MeV)

82-Pb-199

MAT 8210

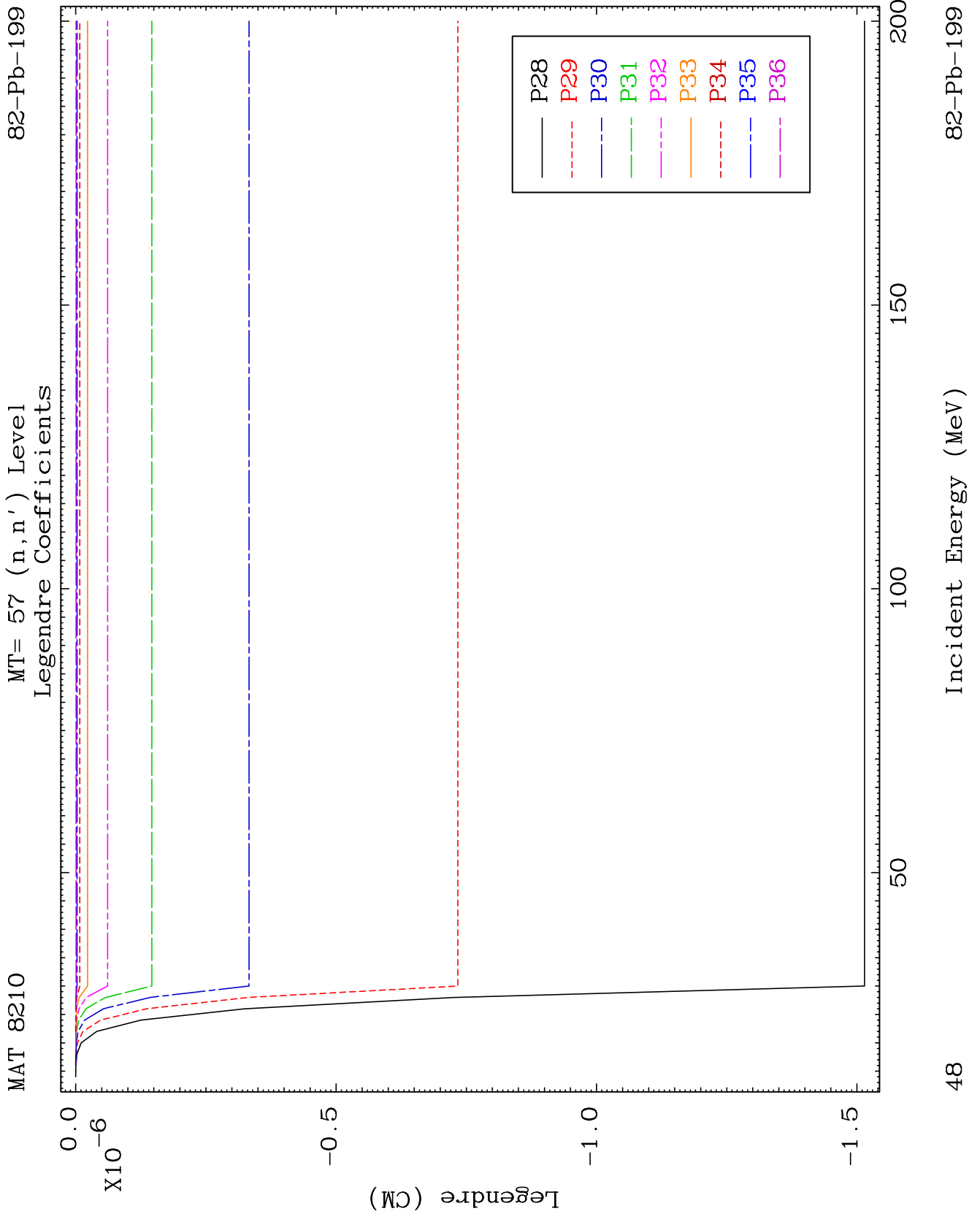
MT= 57 (n,n') Level
Legendre Coefficients

82-Pb-199



47

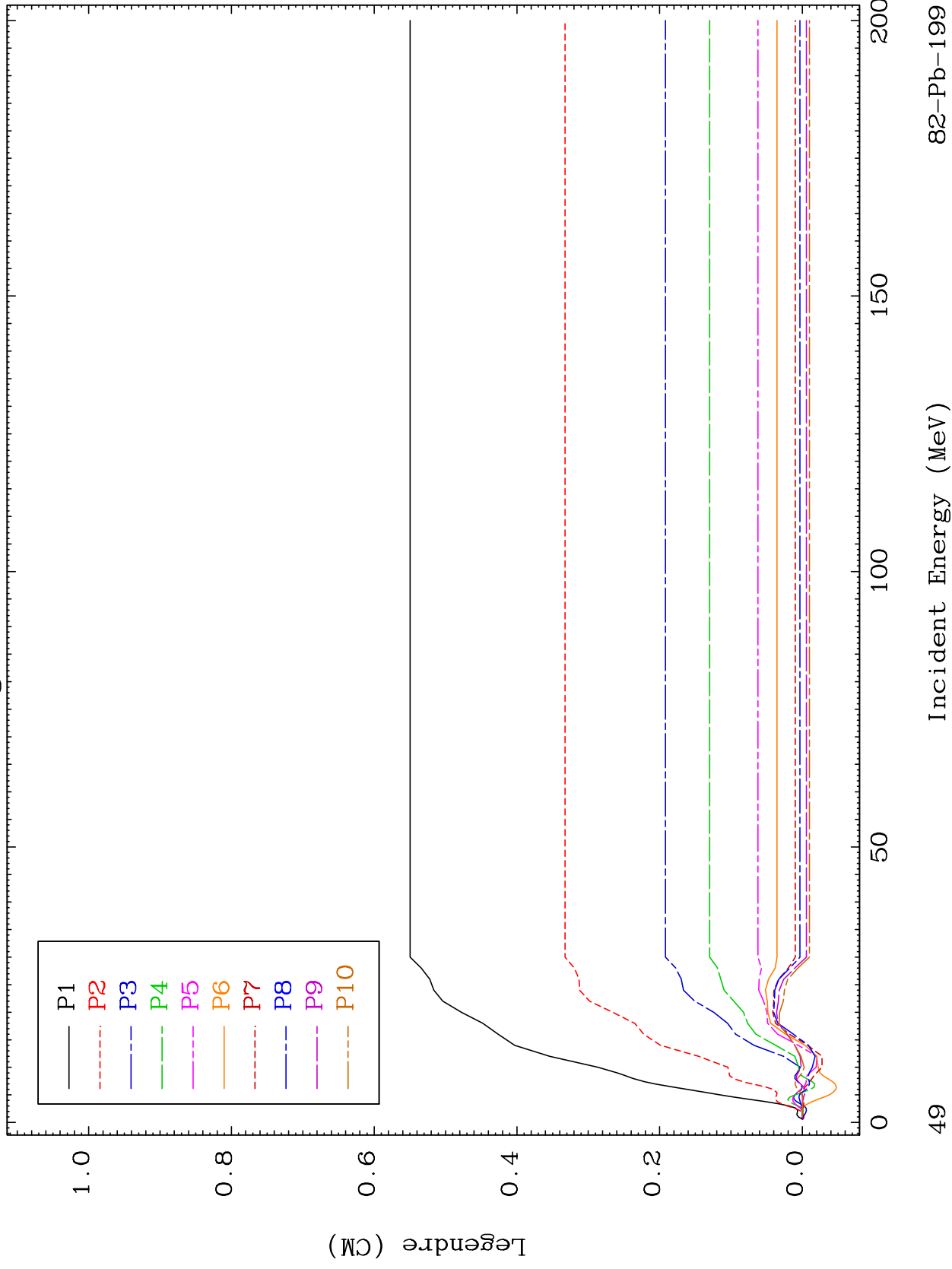
82-Pb-199

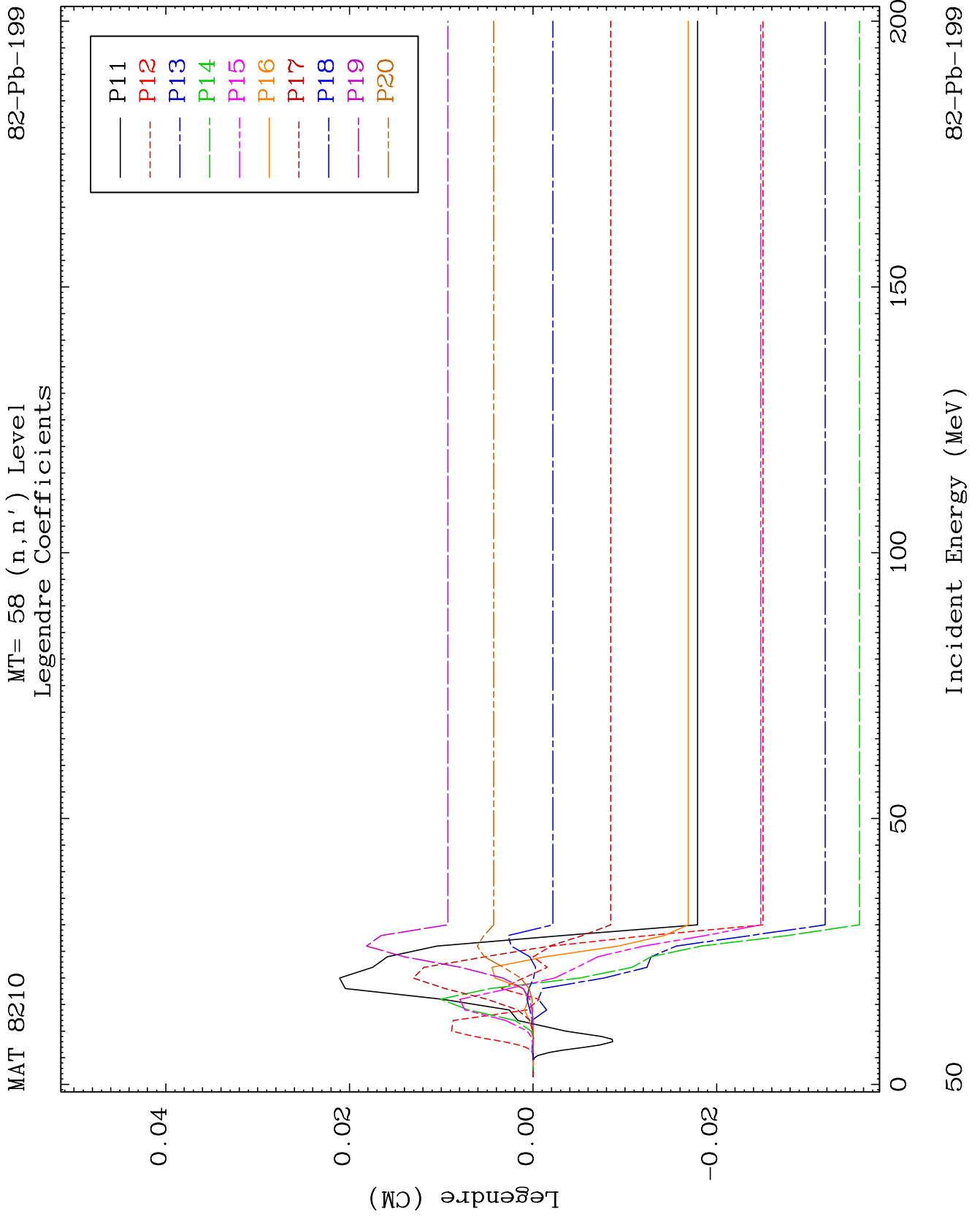


MAT 8210

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

82-Pb-199

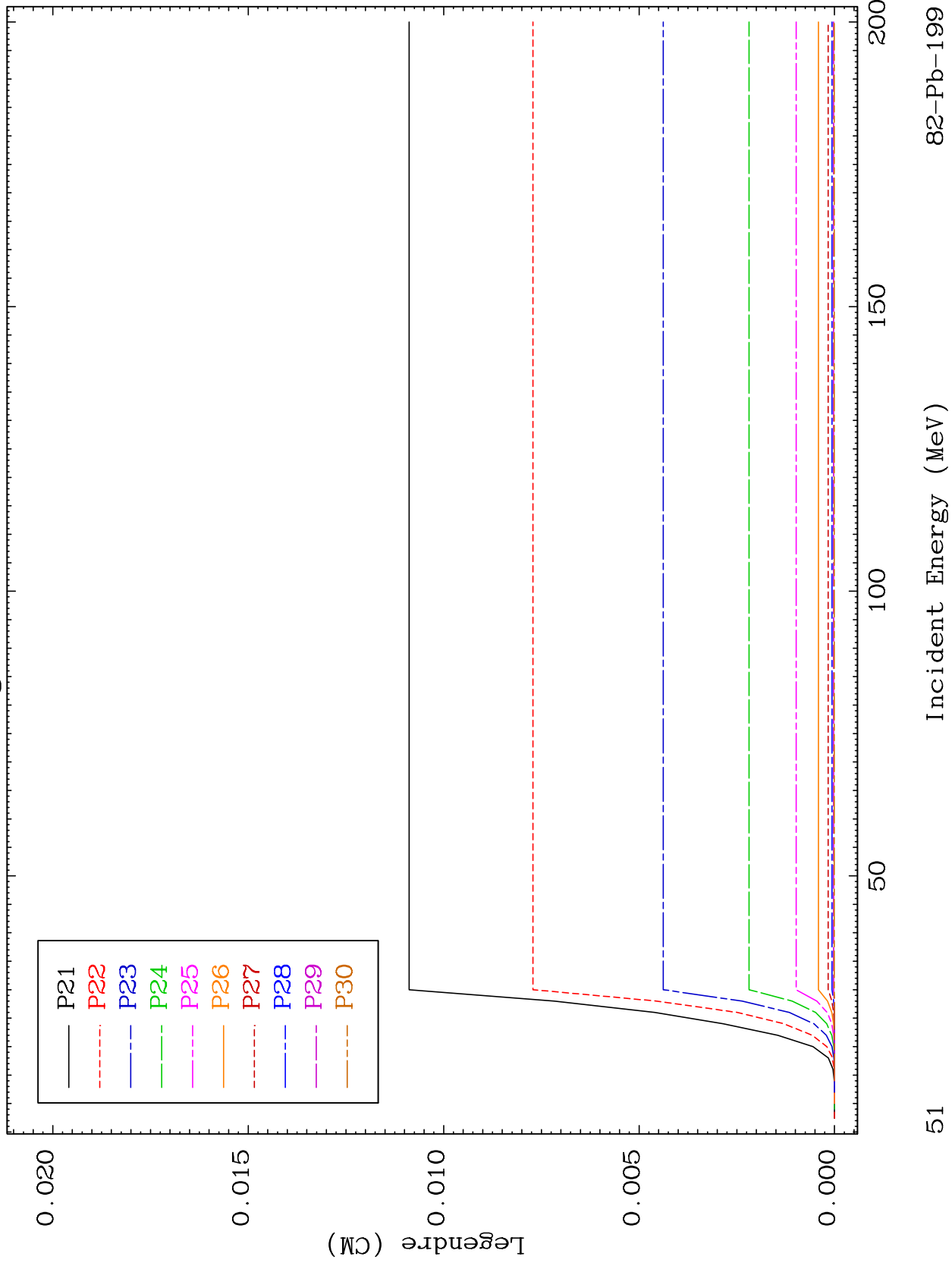




MAT 8210

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

82-Pb-199



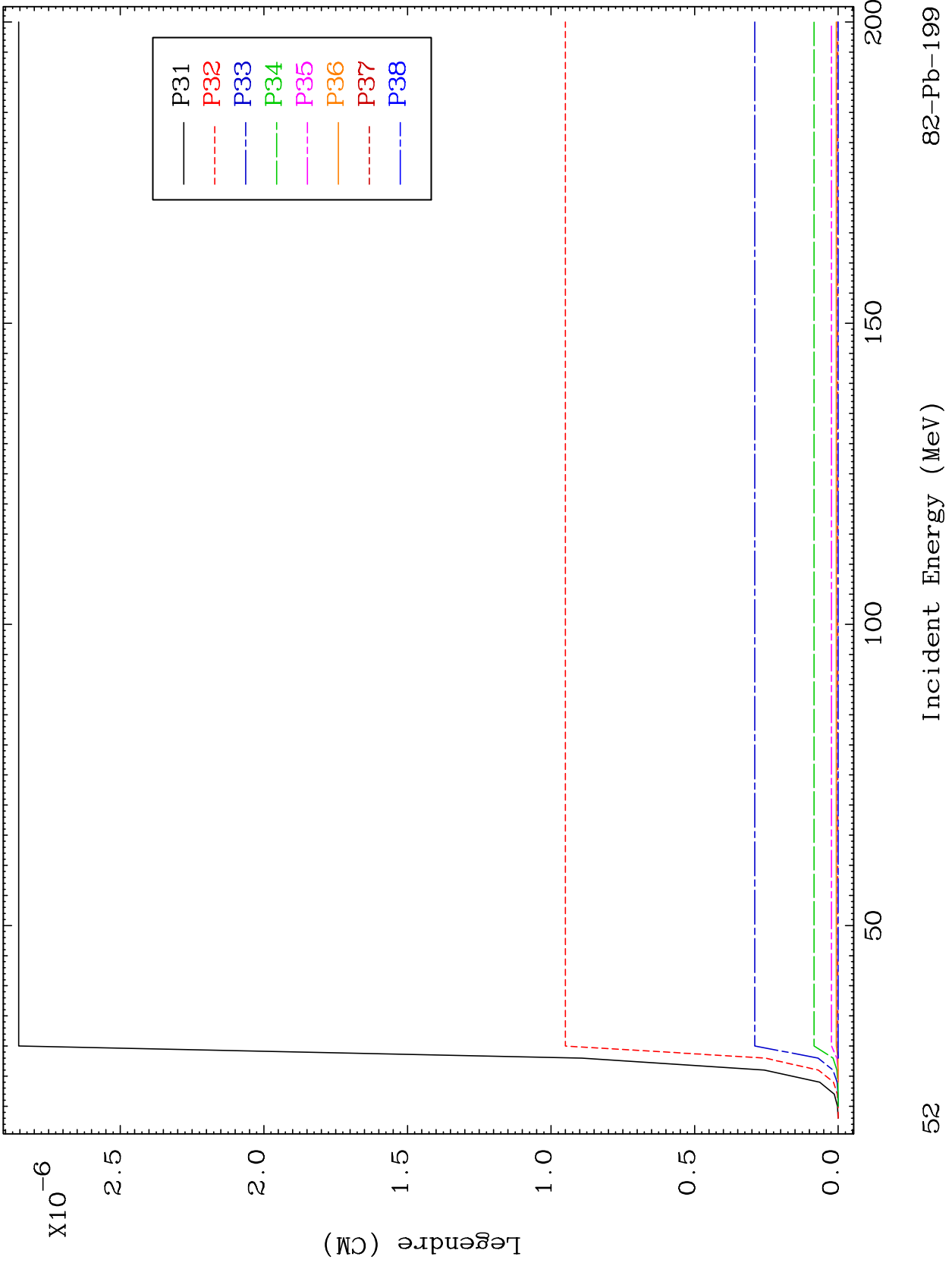
51

82-Pb-199

MAT 8210

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

82-Pb-199



52

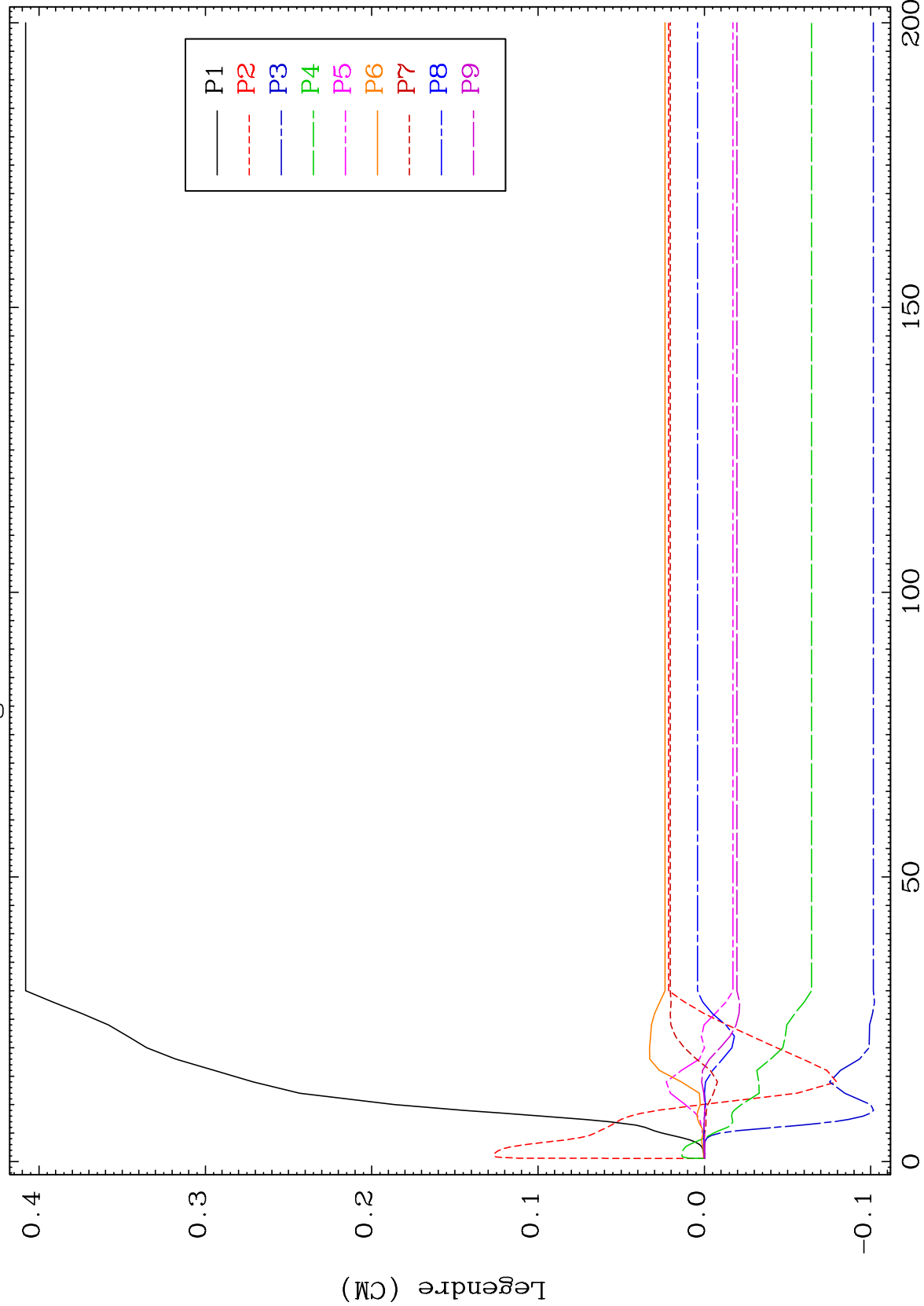
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

82-Pb-199



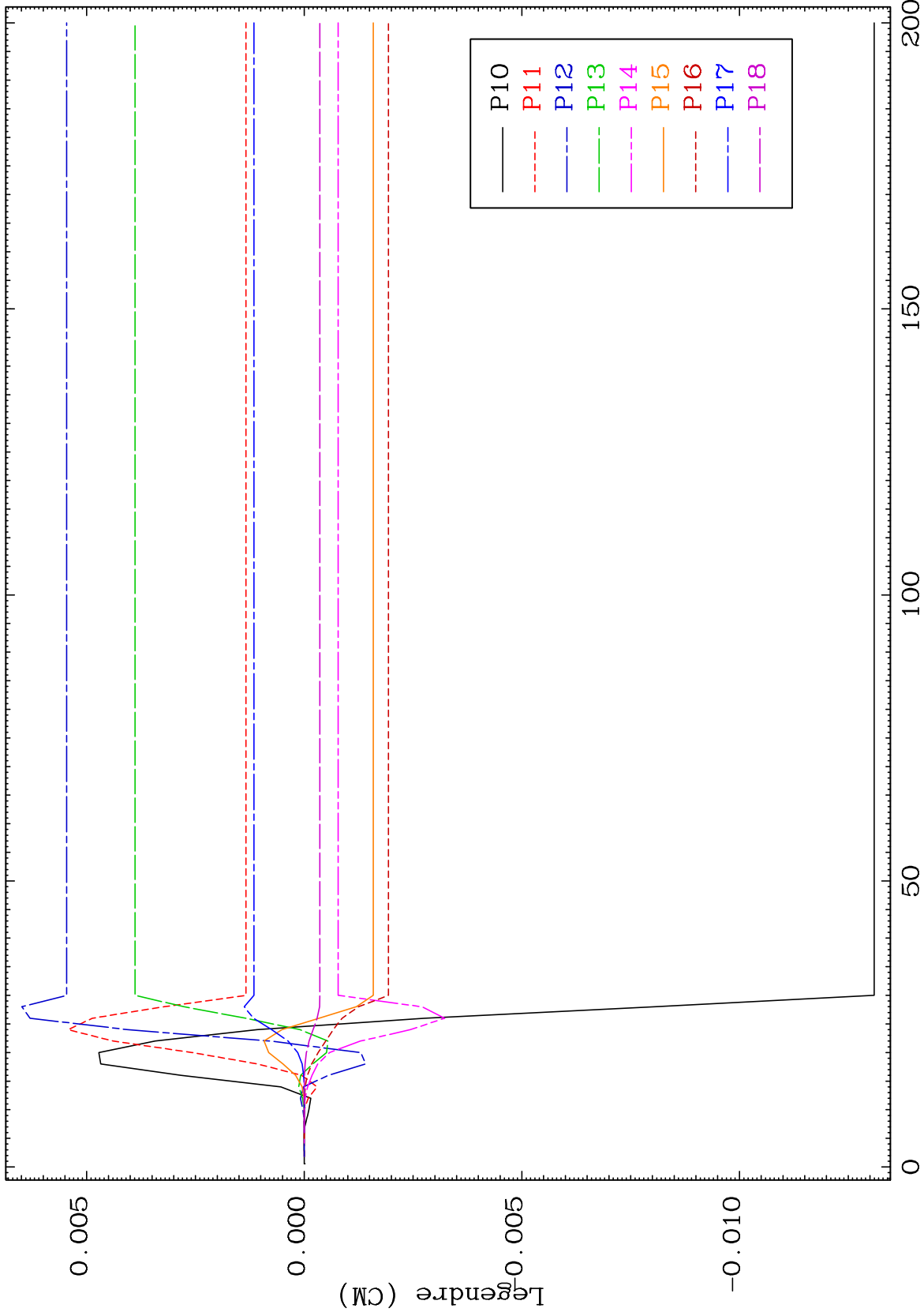
53

82-Pb-199

MAT 8210

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

82-Pb-199



54

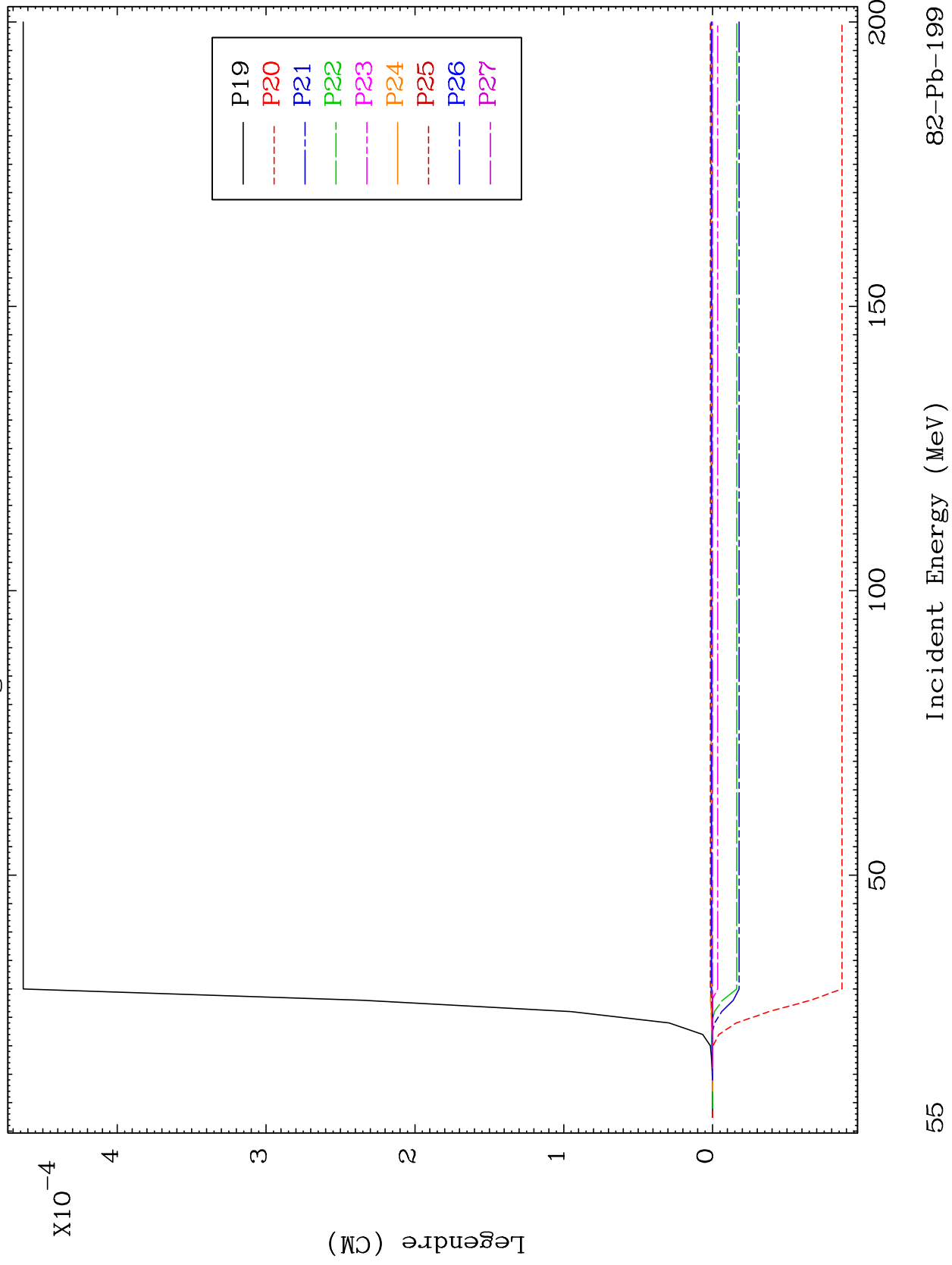
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

82-Pb-199



55

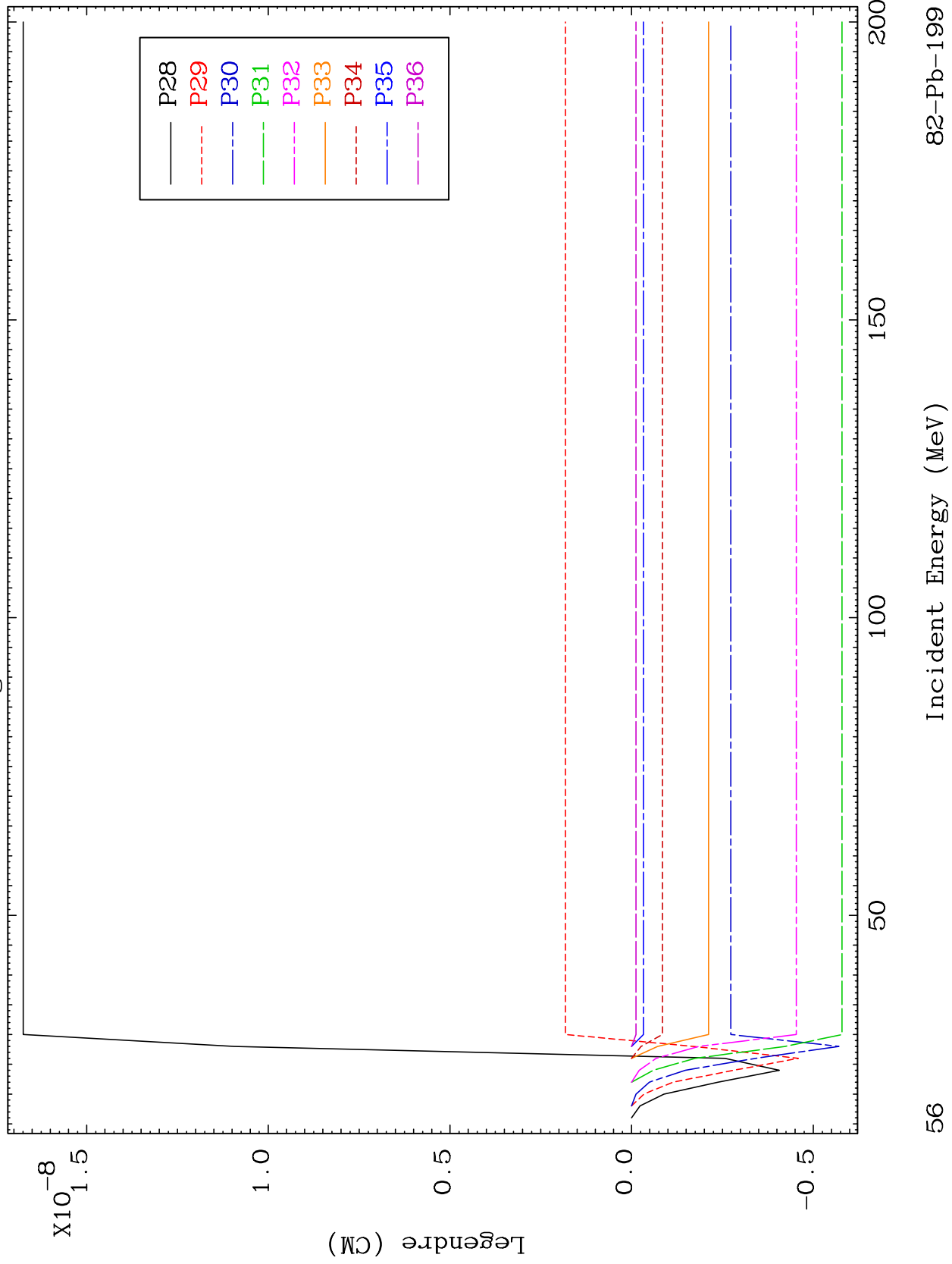
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

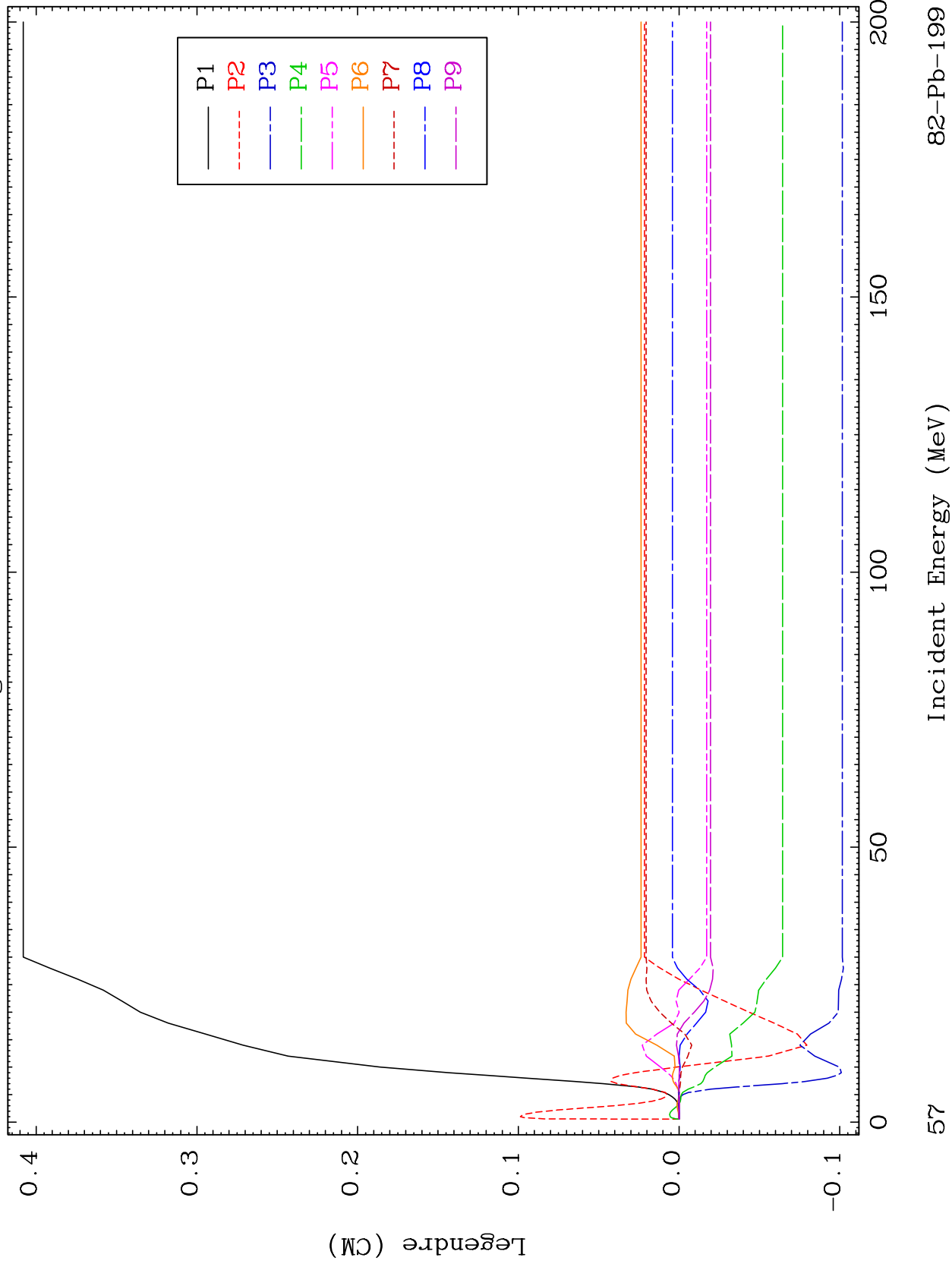
82-Pb-199



MAT 8210

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

82-Pb-199



57

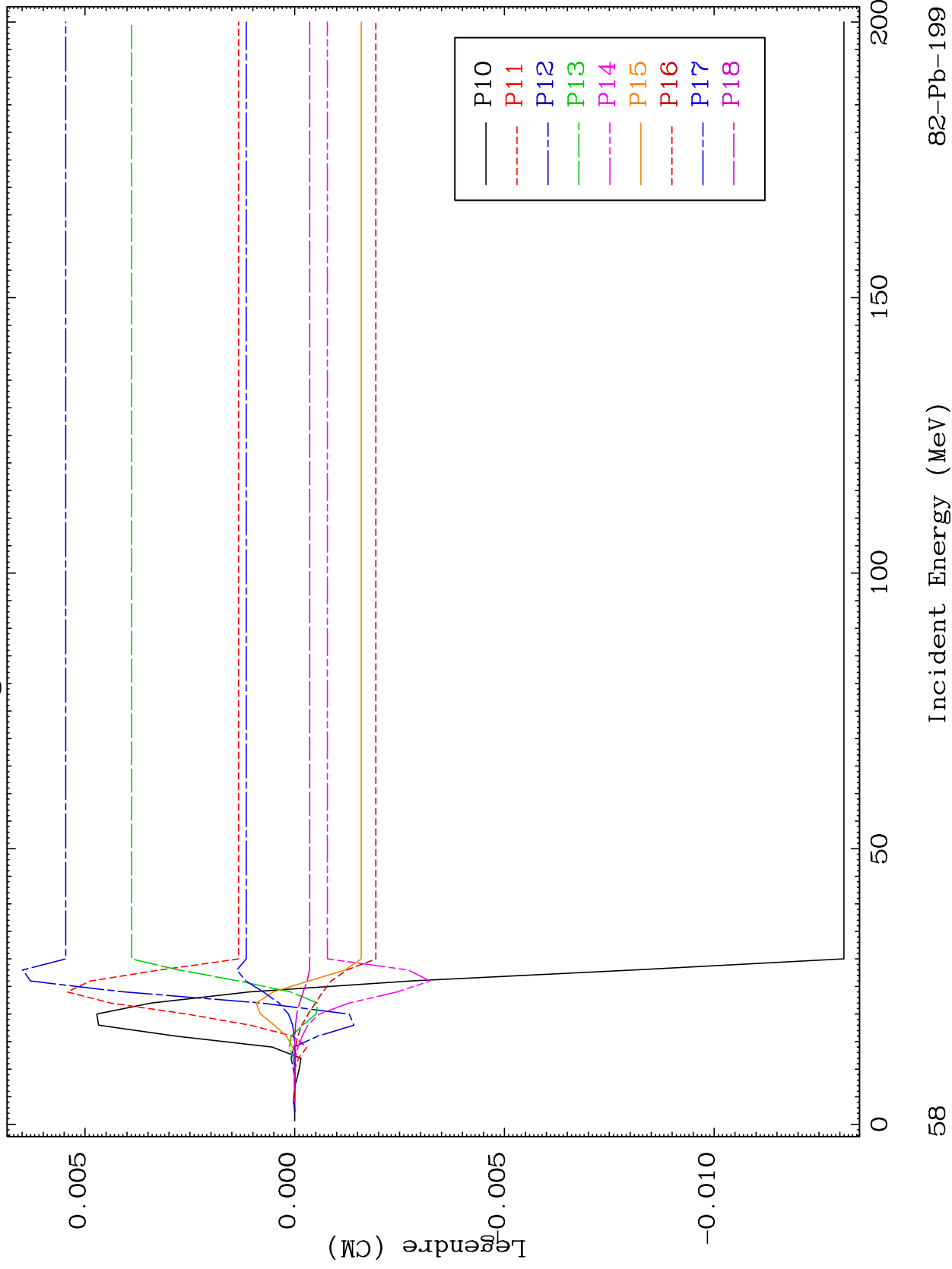
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

82-Pb-199



82-Pb-199

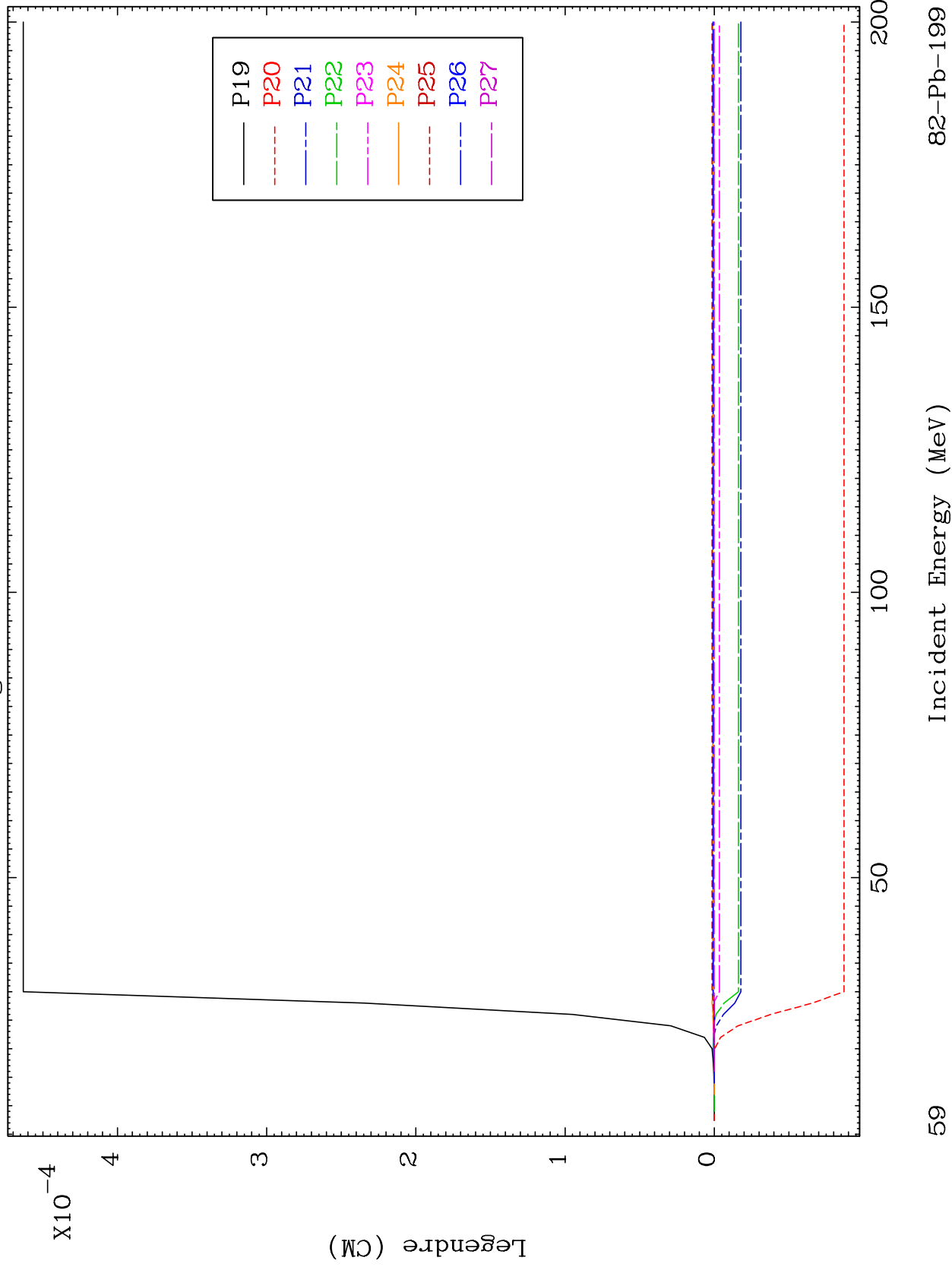
Incident Energy (MeV)

58

MAT 8210

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

82-Pb-199



59

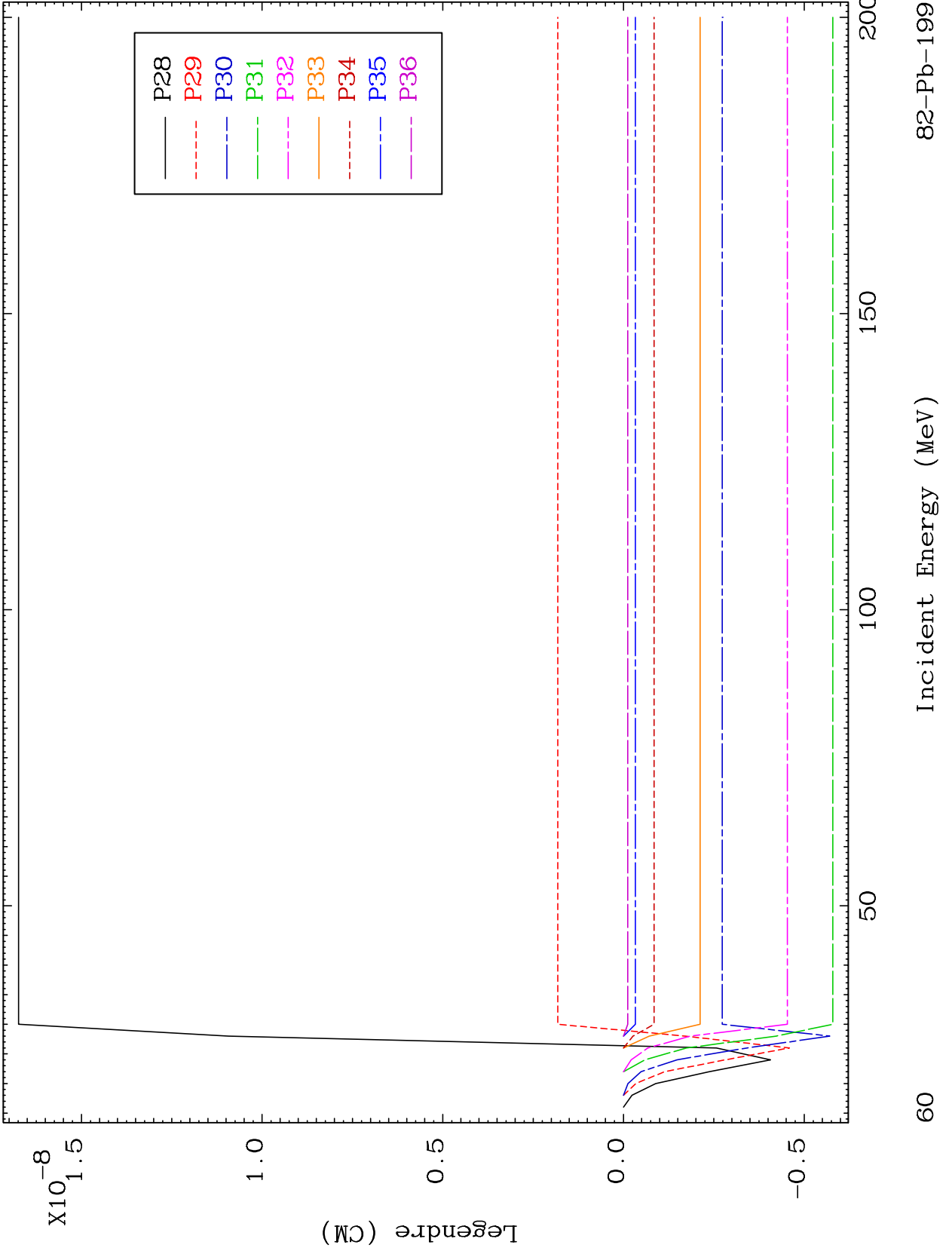
Incident Energy (MeV)

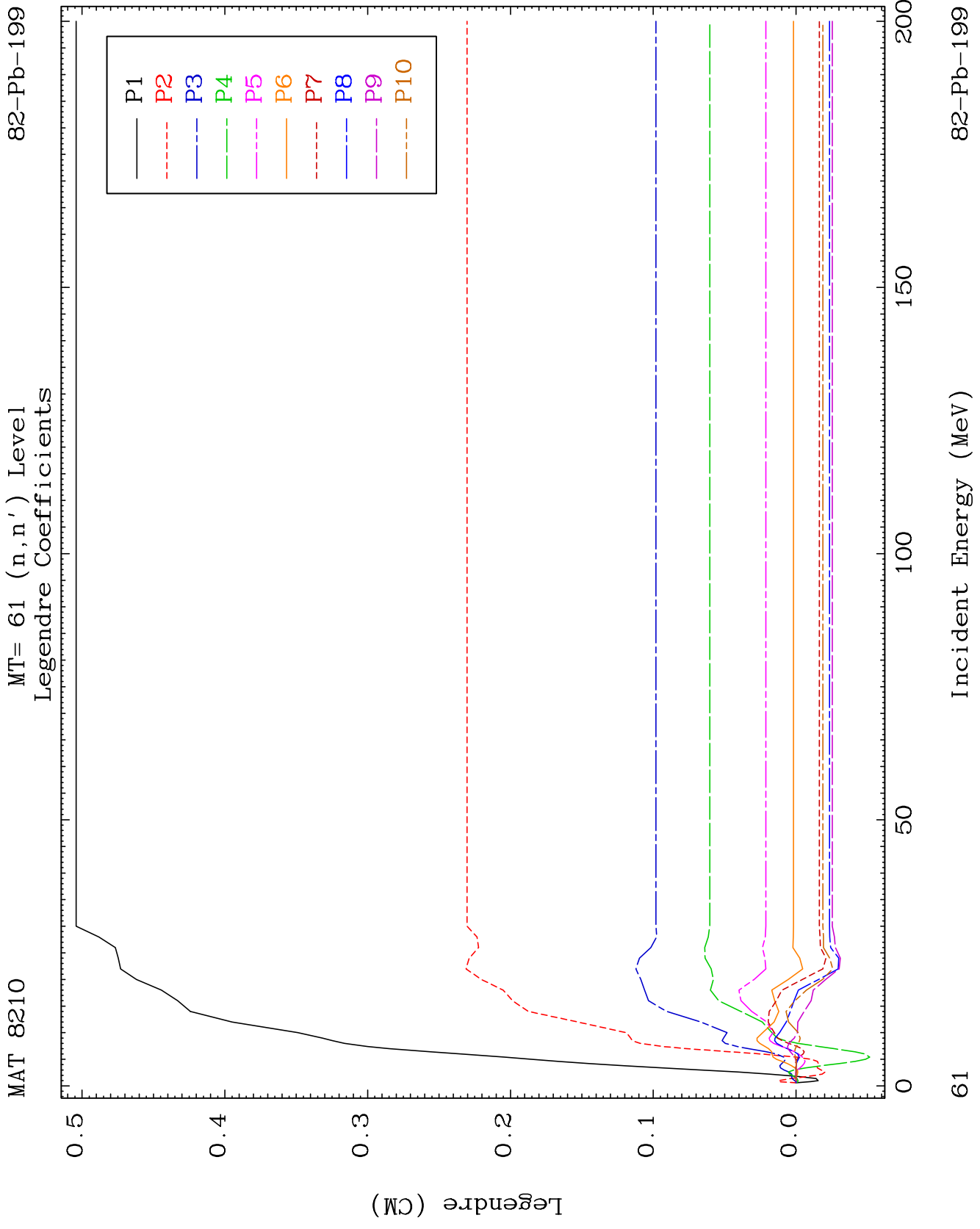
82-Pb-199

MAT 8210

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

82-Pb-199

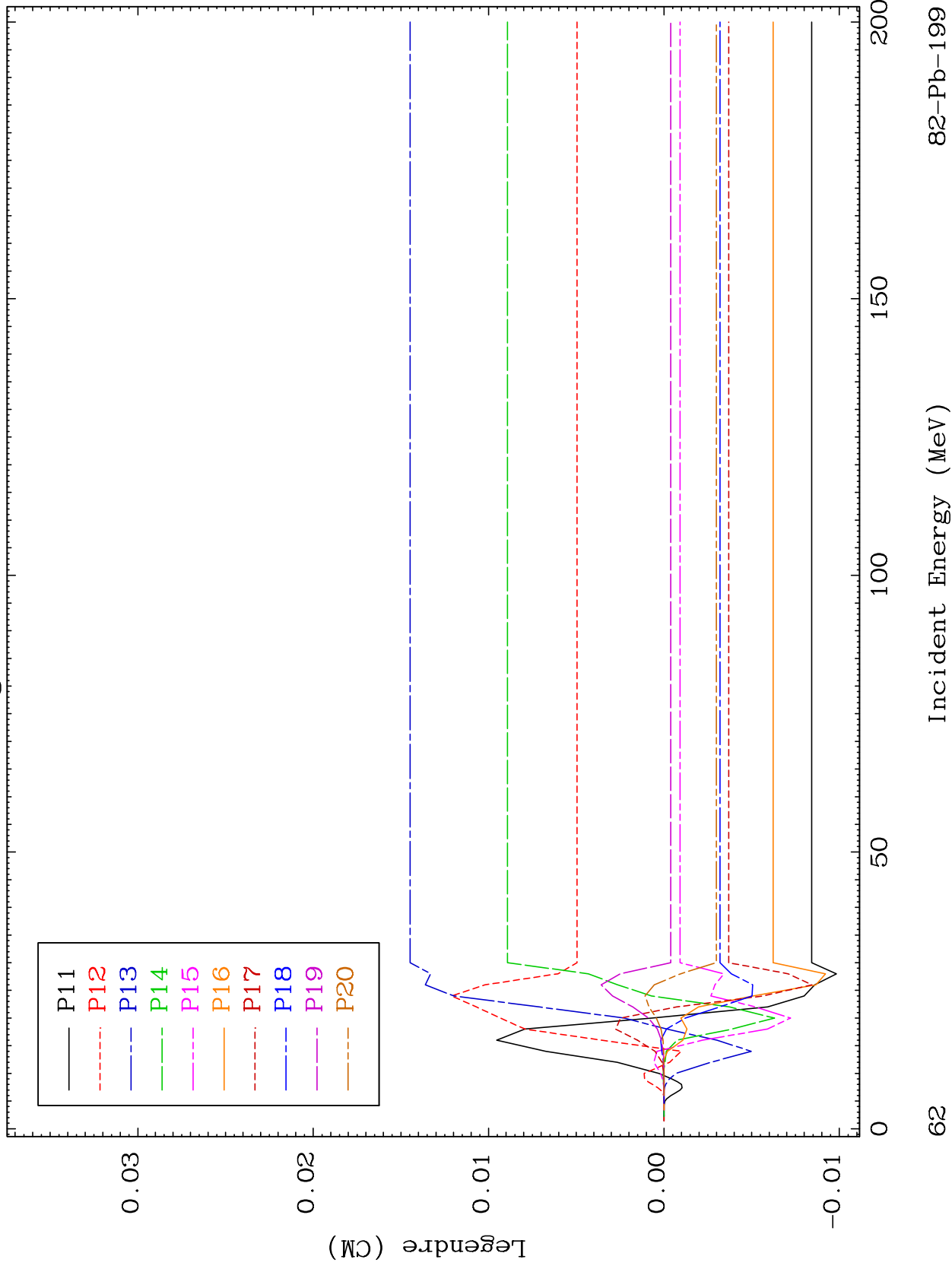




MAT 8210

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

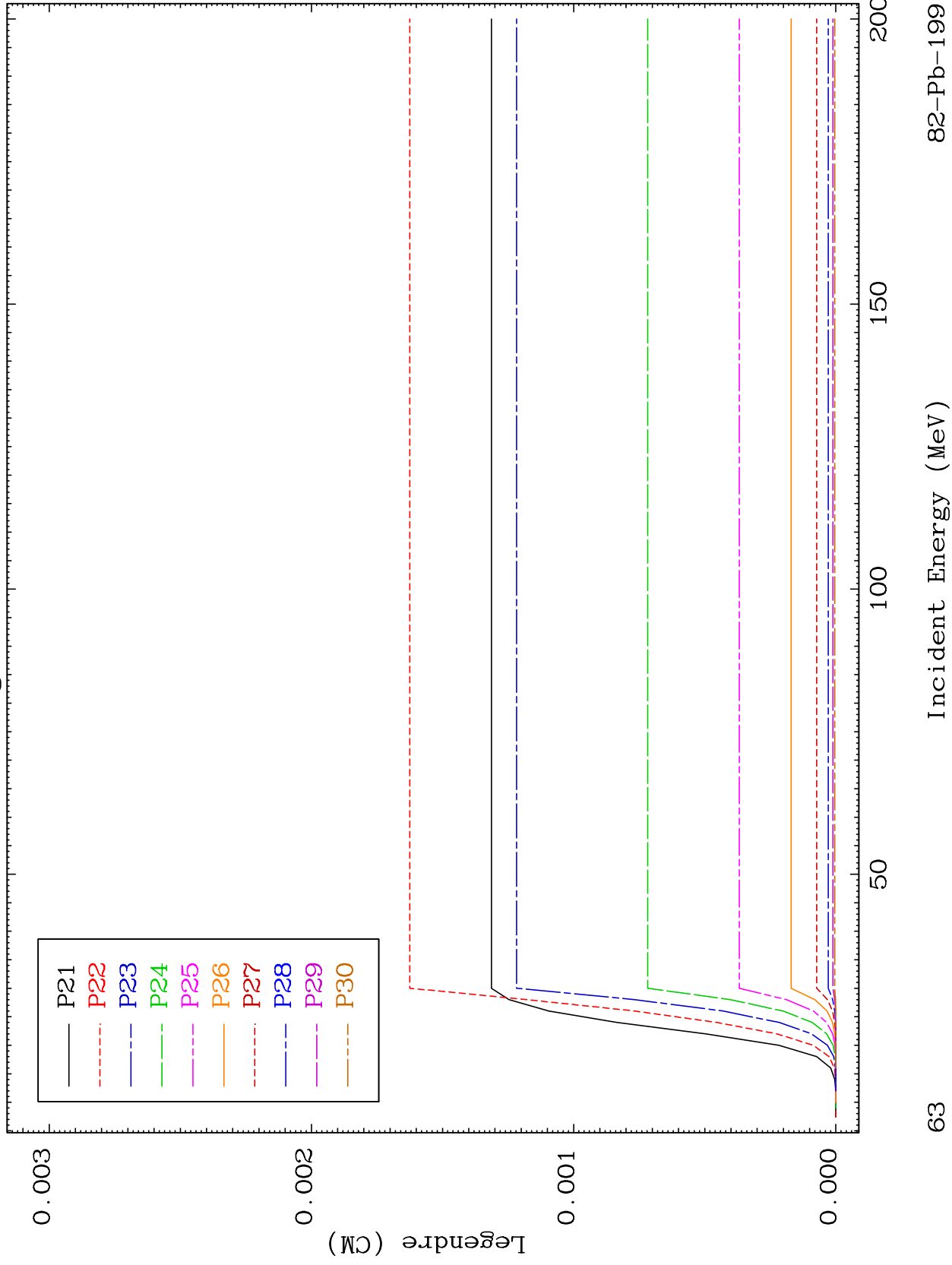
82-Pb-199



MAT 8210

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

82-Pb-199



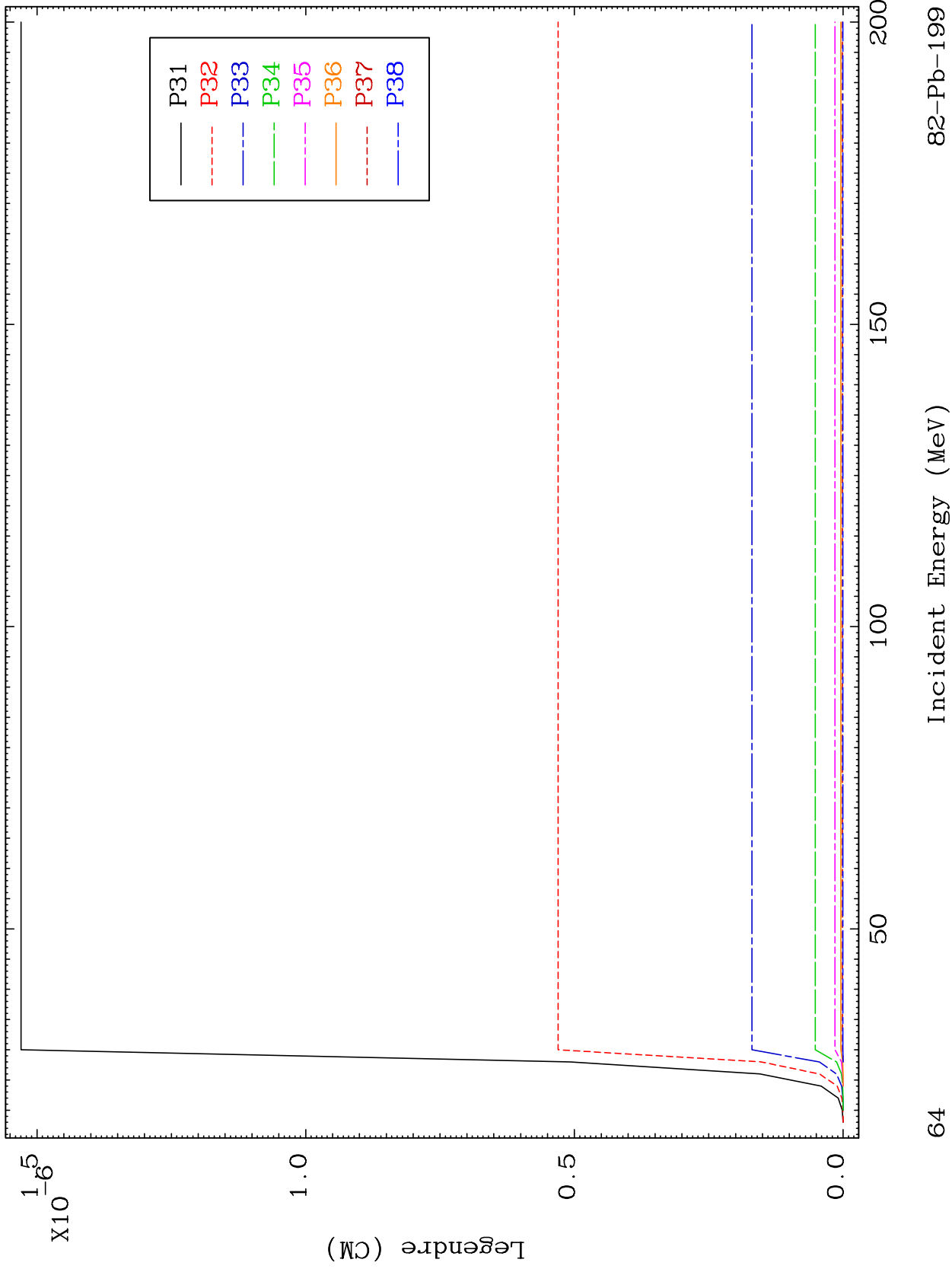
63

82-Pb-199

MAT 8210

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

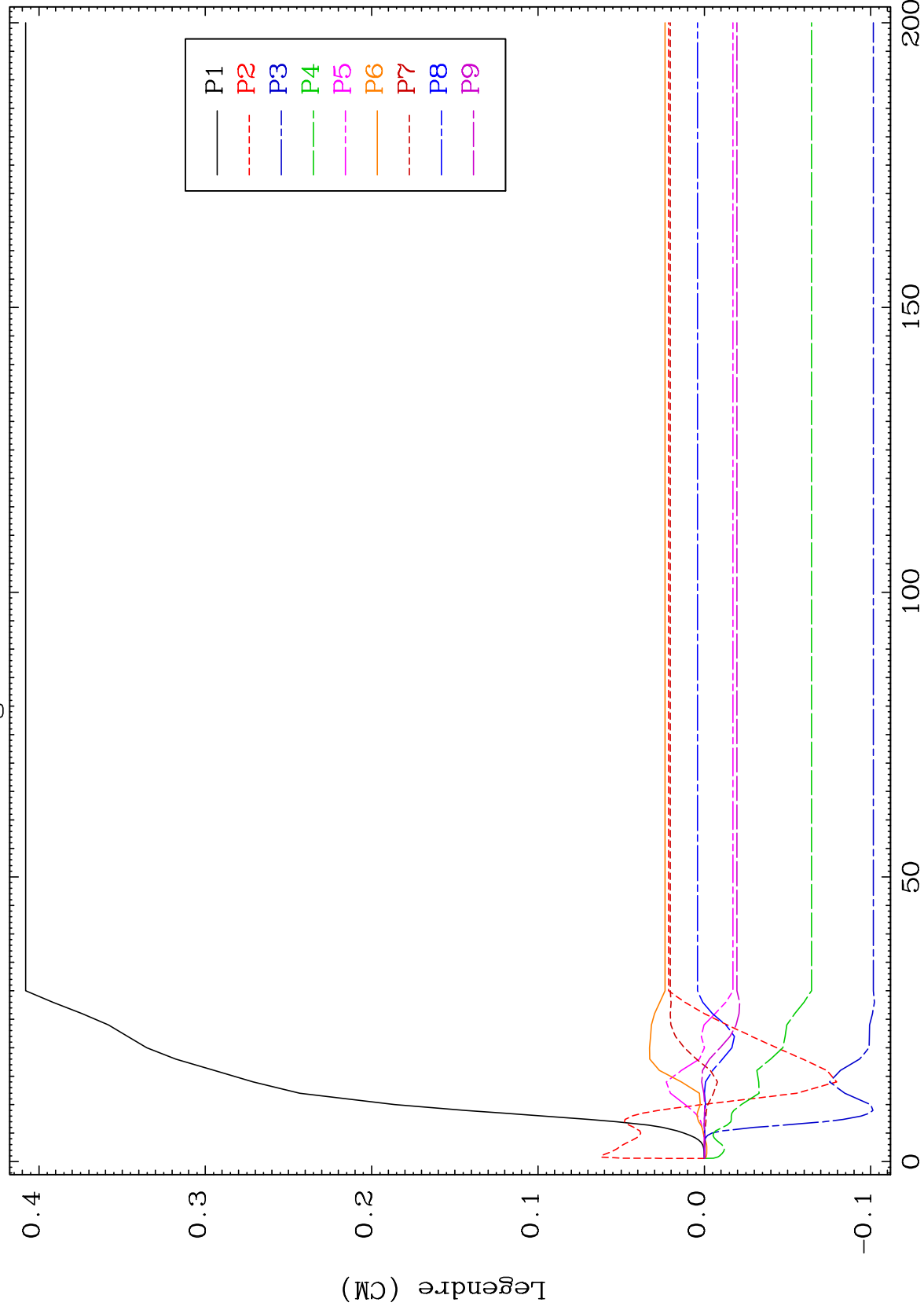
82-Pb-199



MAT 8210

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

82-Pb-199



82-Pb-199

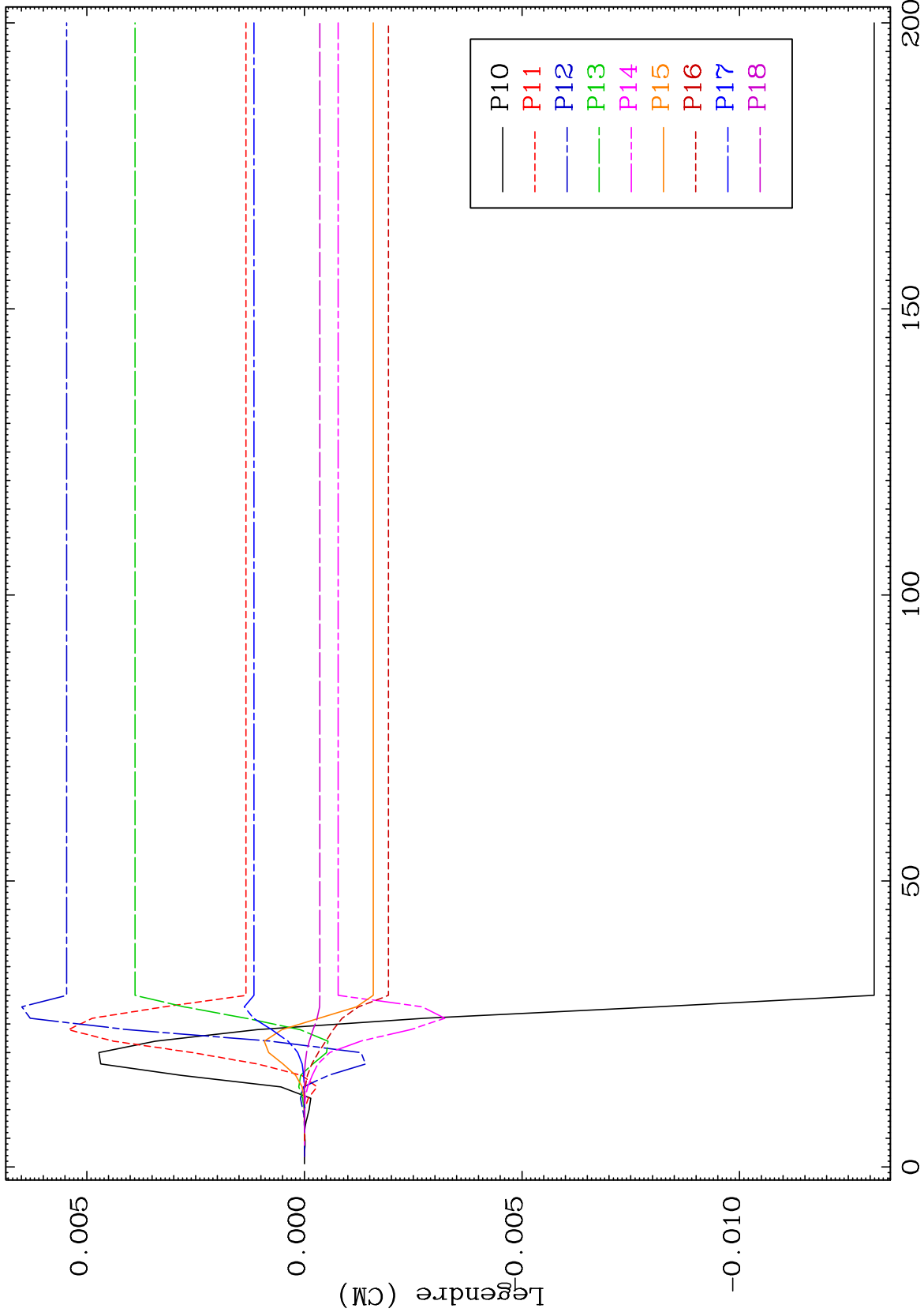
Incident Energy (MeV)

65

MAT 8210

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

82-Pb-199



66

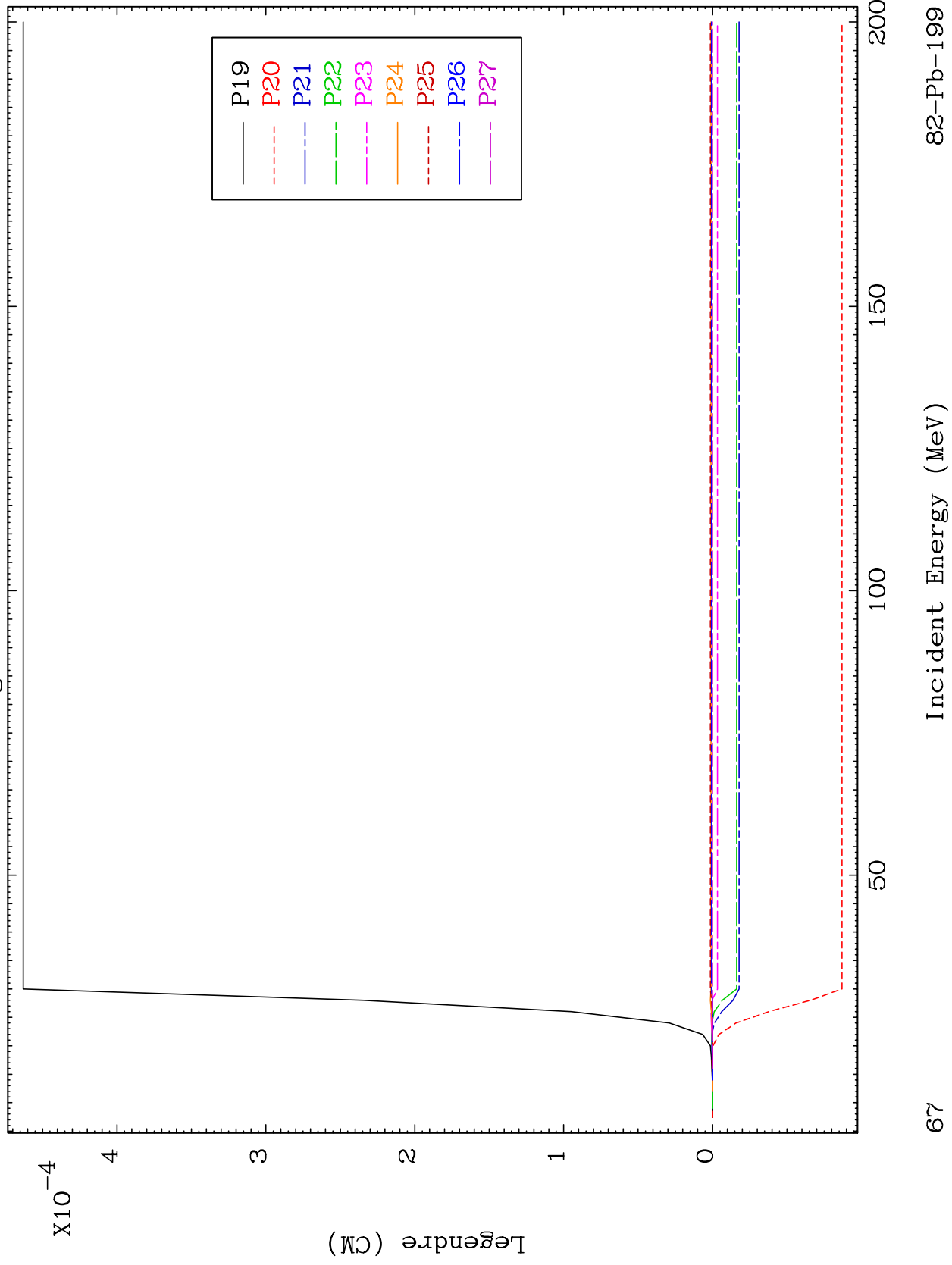
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

82-Pb-199



67

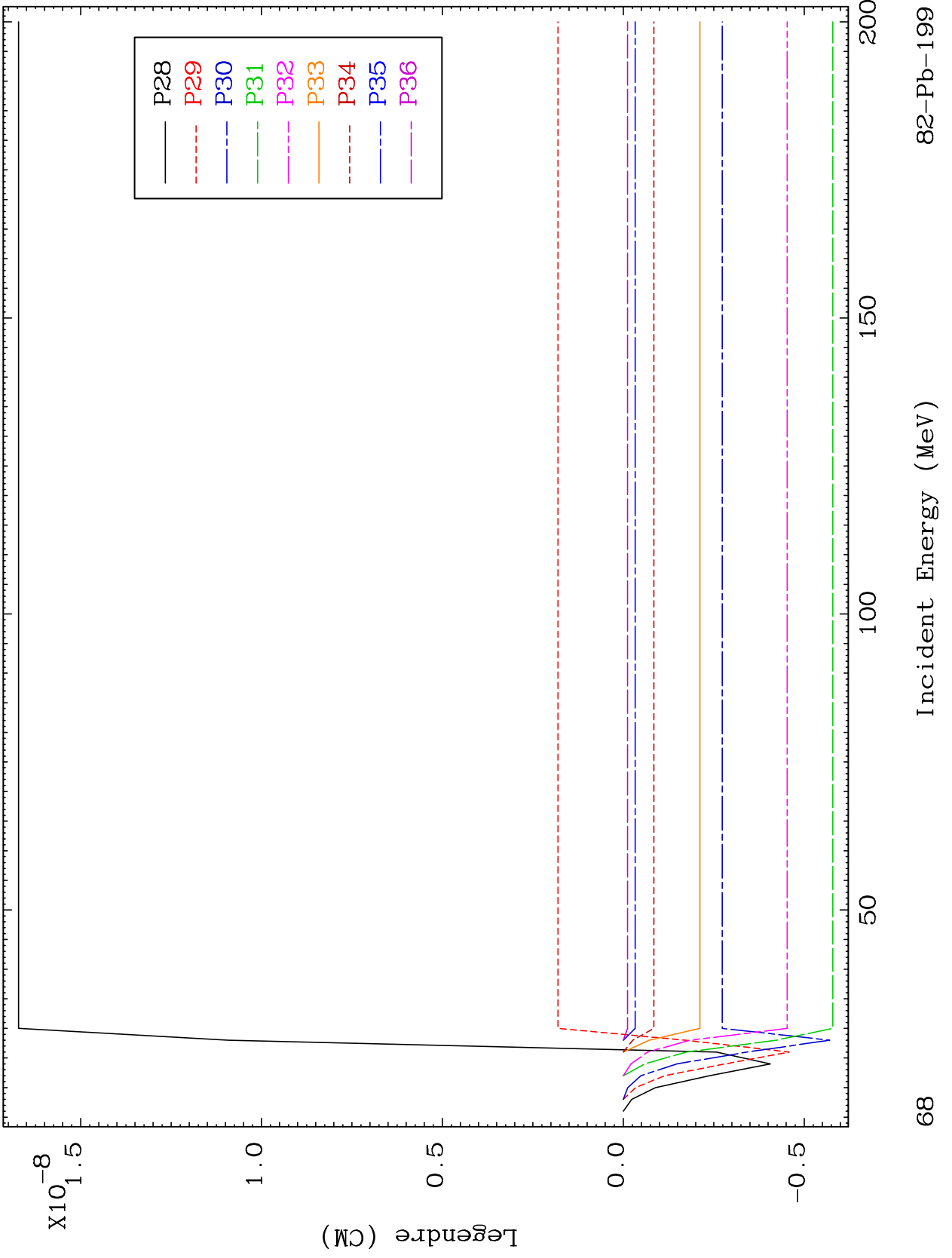
Incident Energy (MeV)

82-Pb-199

MAT 8210

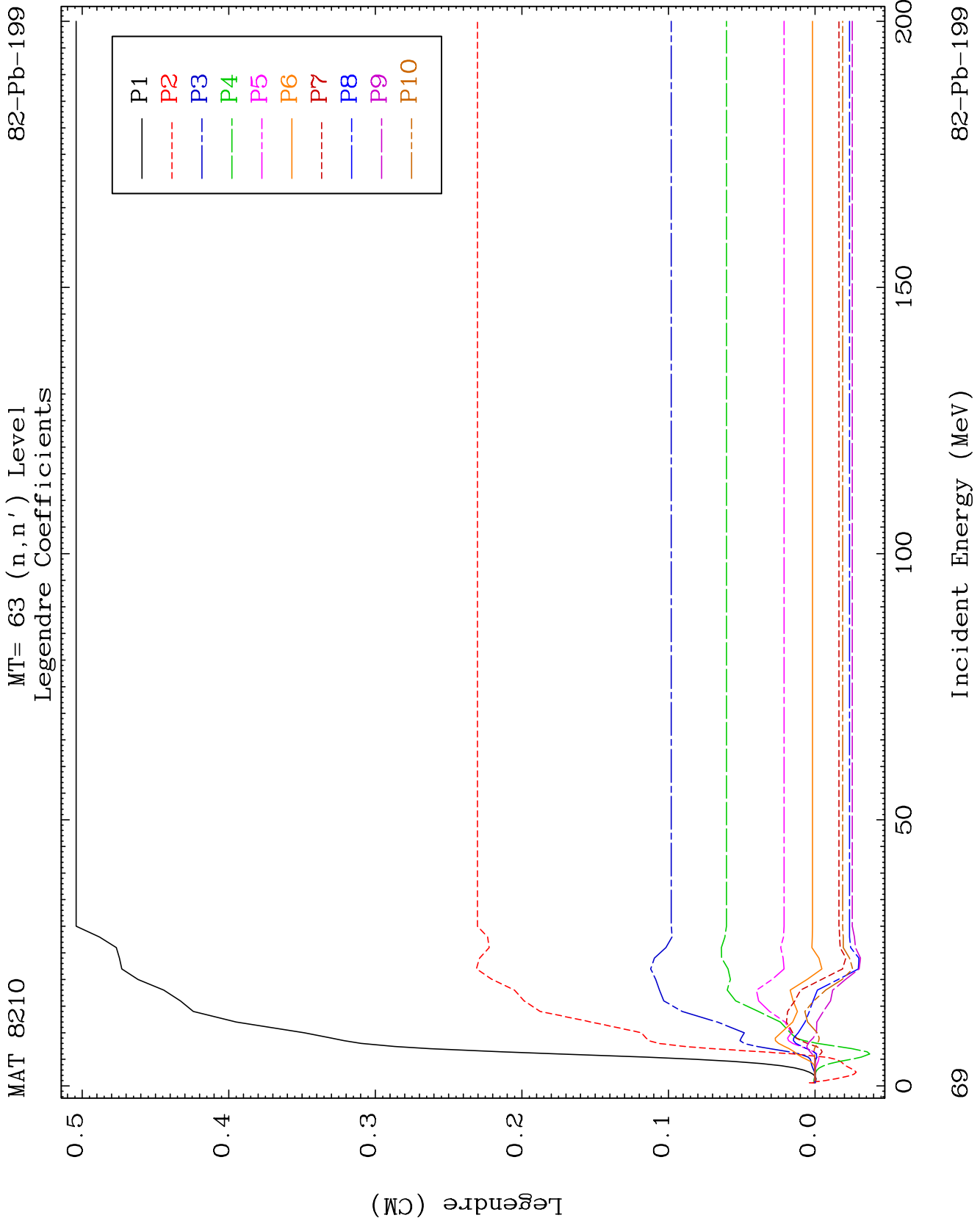
MT= 62 (n,n') Level
Legendre Coefficients

82-Pb-199



68

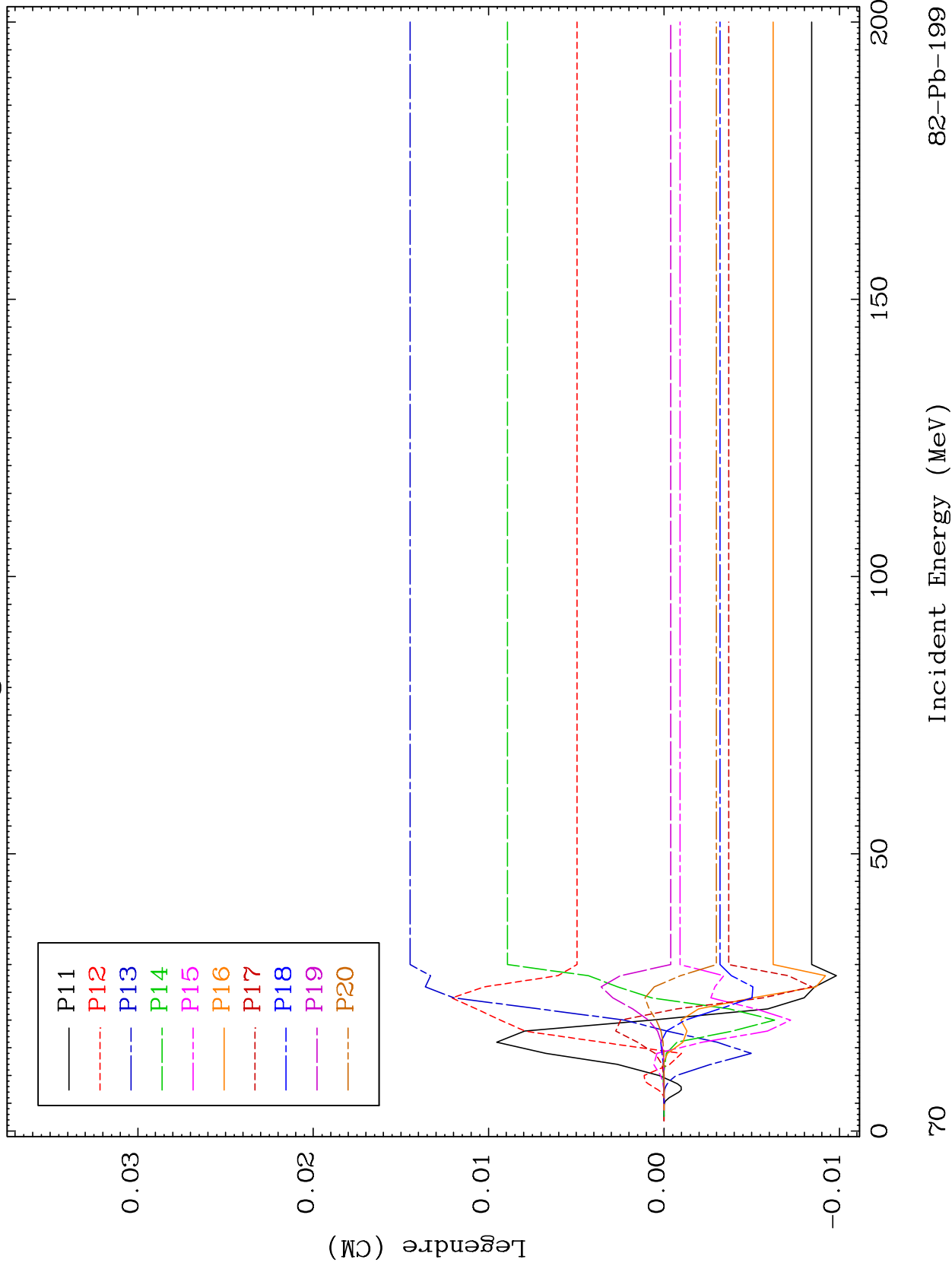
82-Pb-199



MAT 8210

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

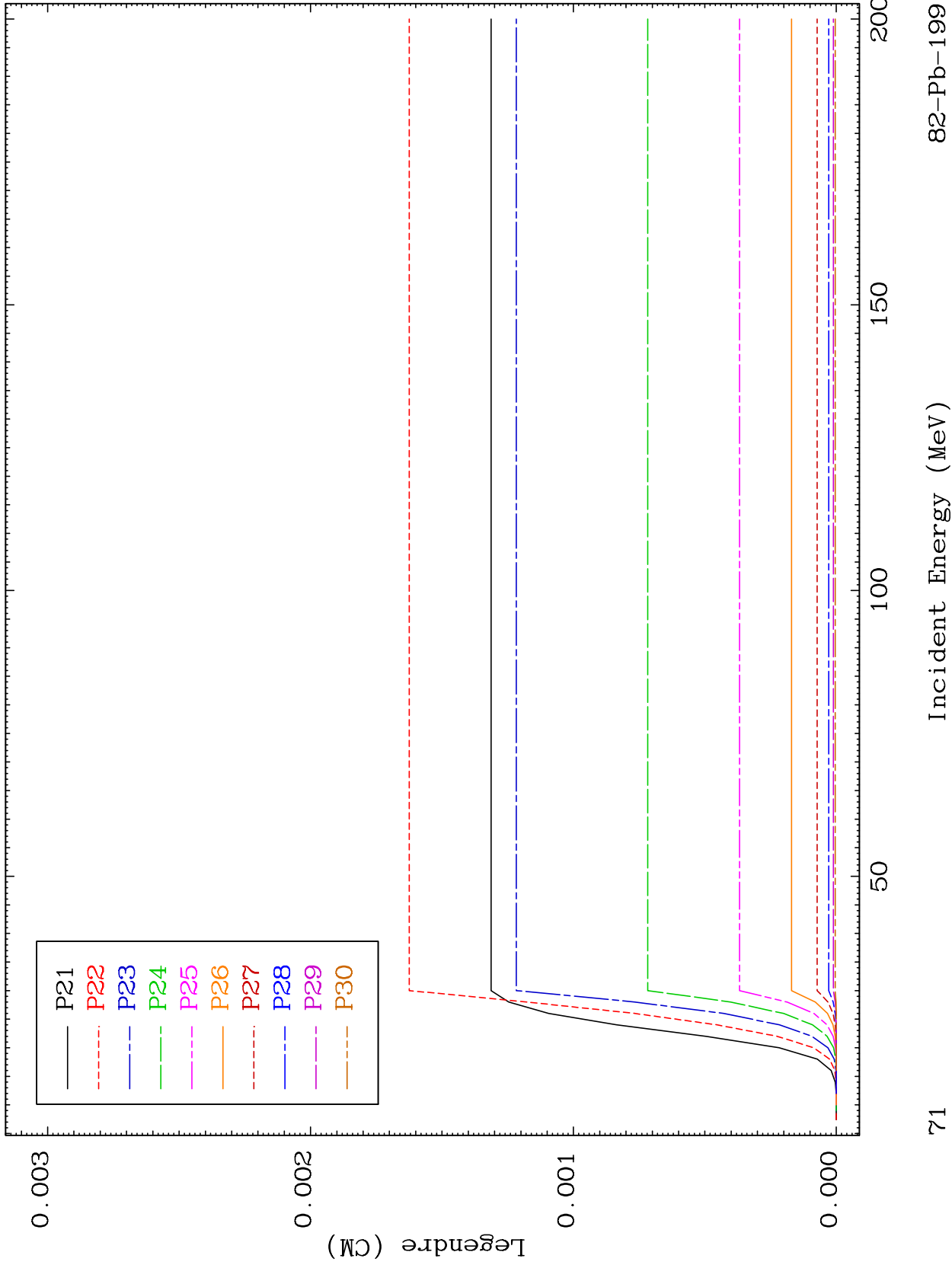
82-Pb-199



MAT 8210

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

82-Pb-199



71

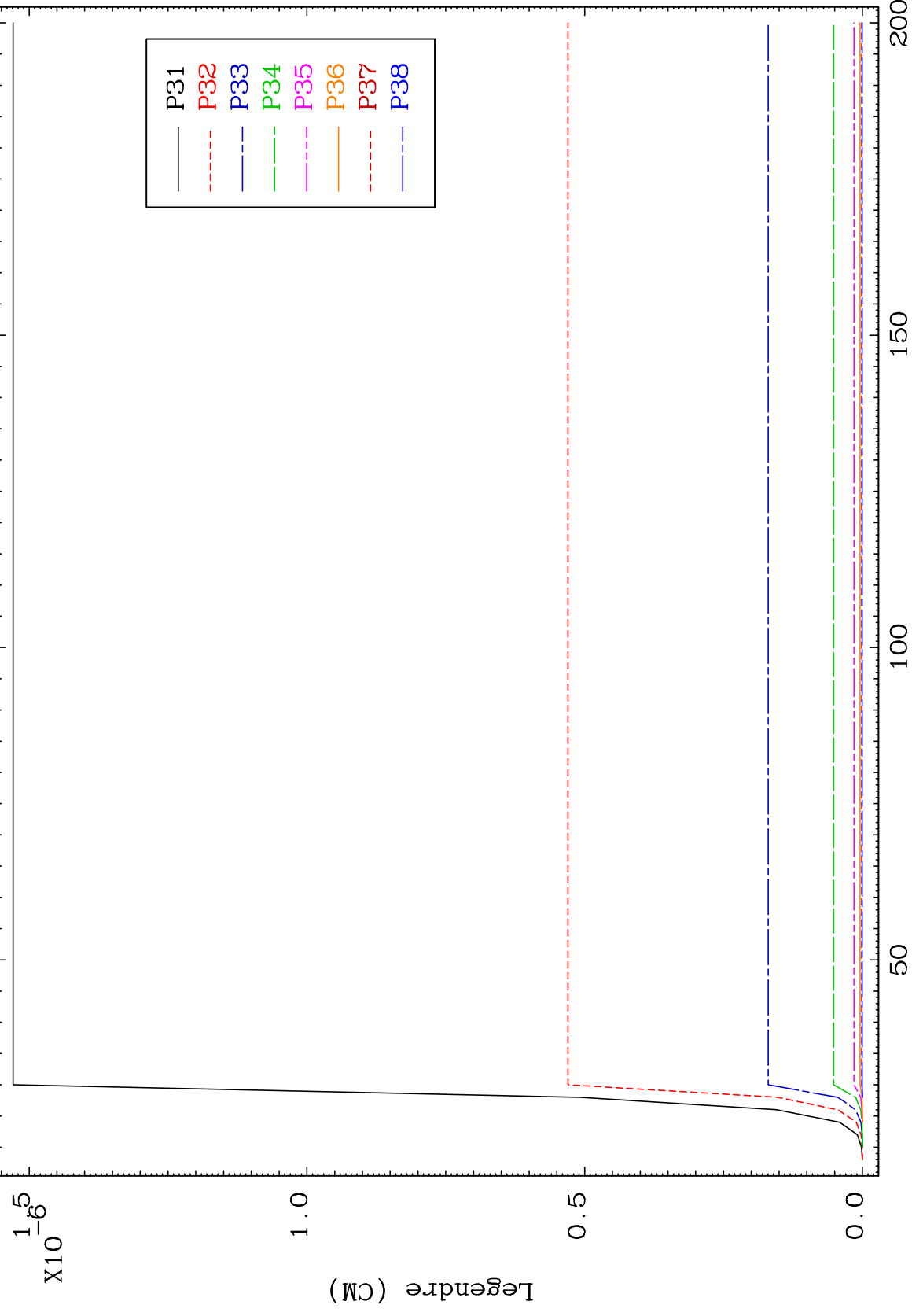
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

82-Pb-199



72

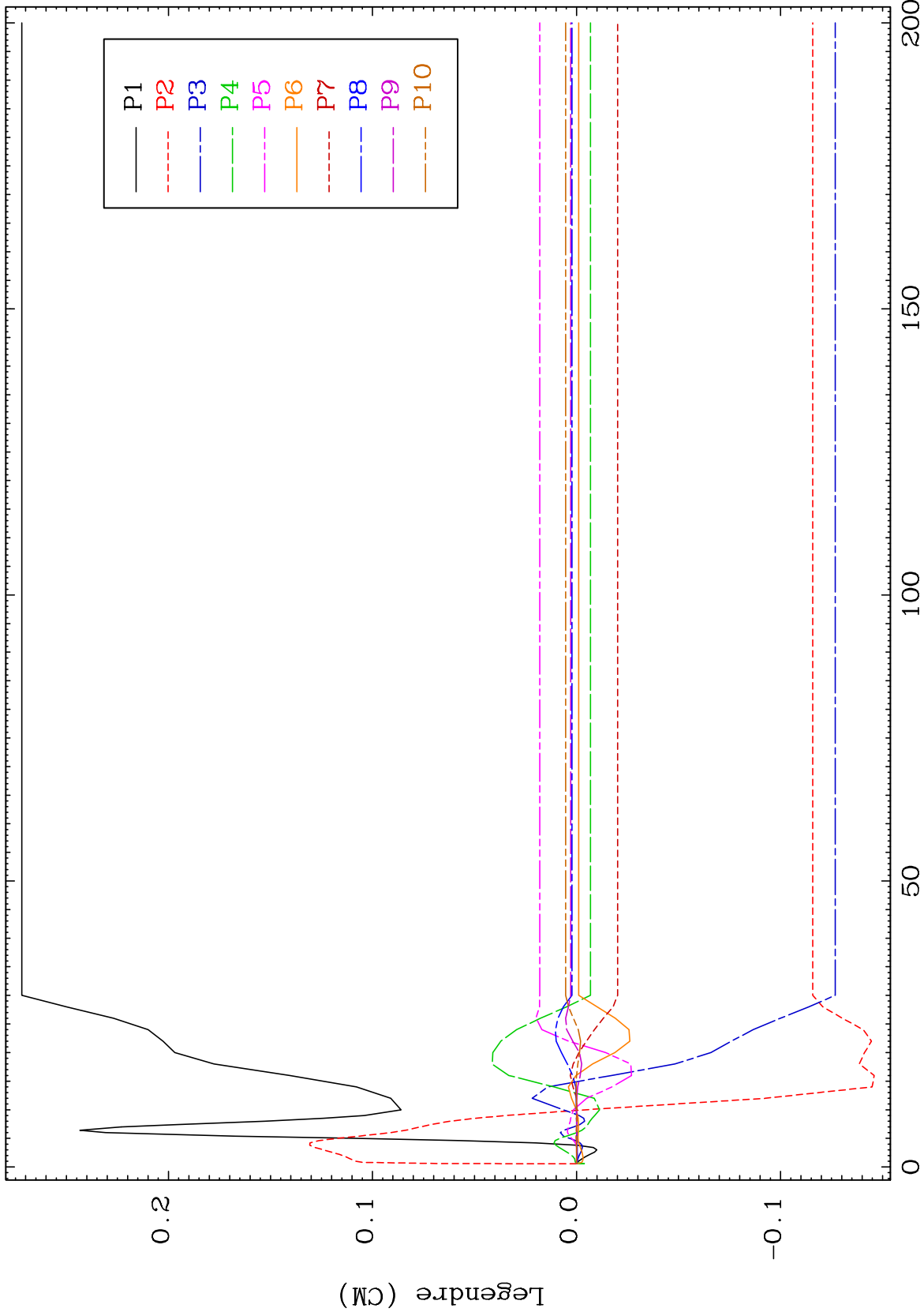
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

82-Pb-199



73

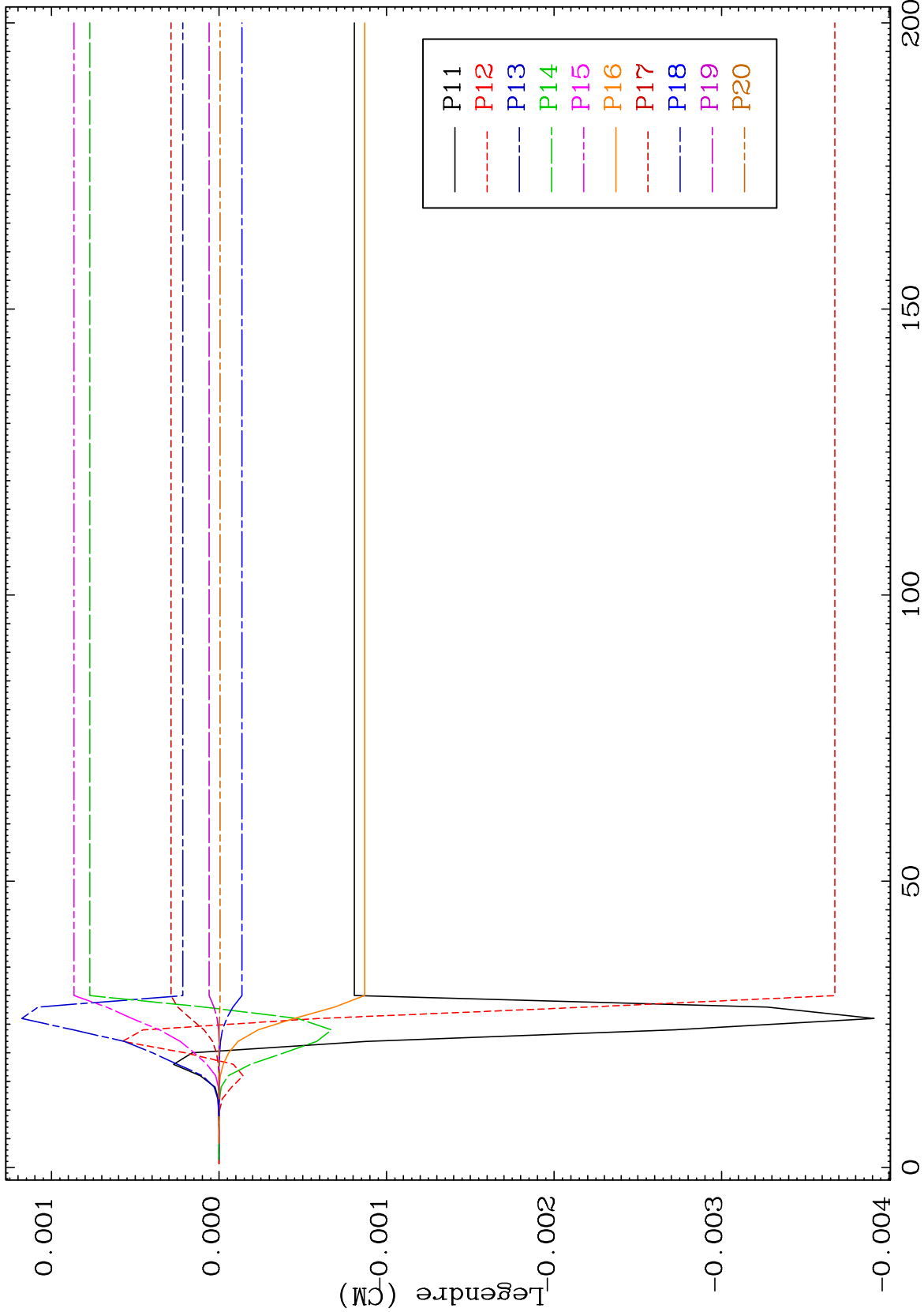
Incident Energy (MeV)

82-Pb-199

MAT 8210

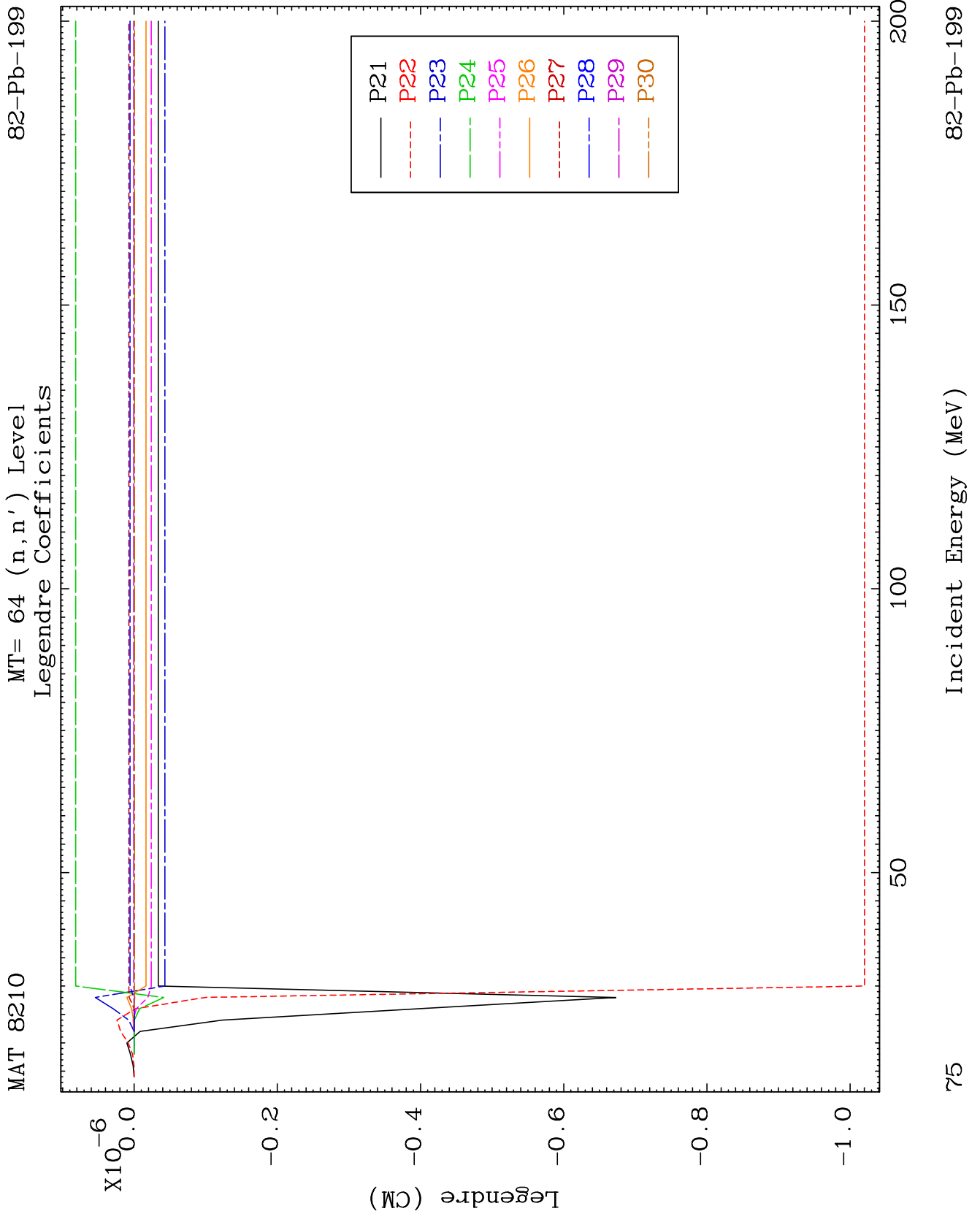
MT= 64 (n,n') Level
Legendre Coefficients

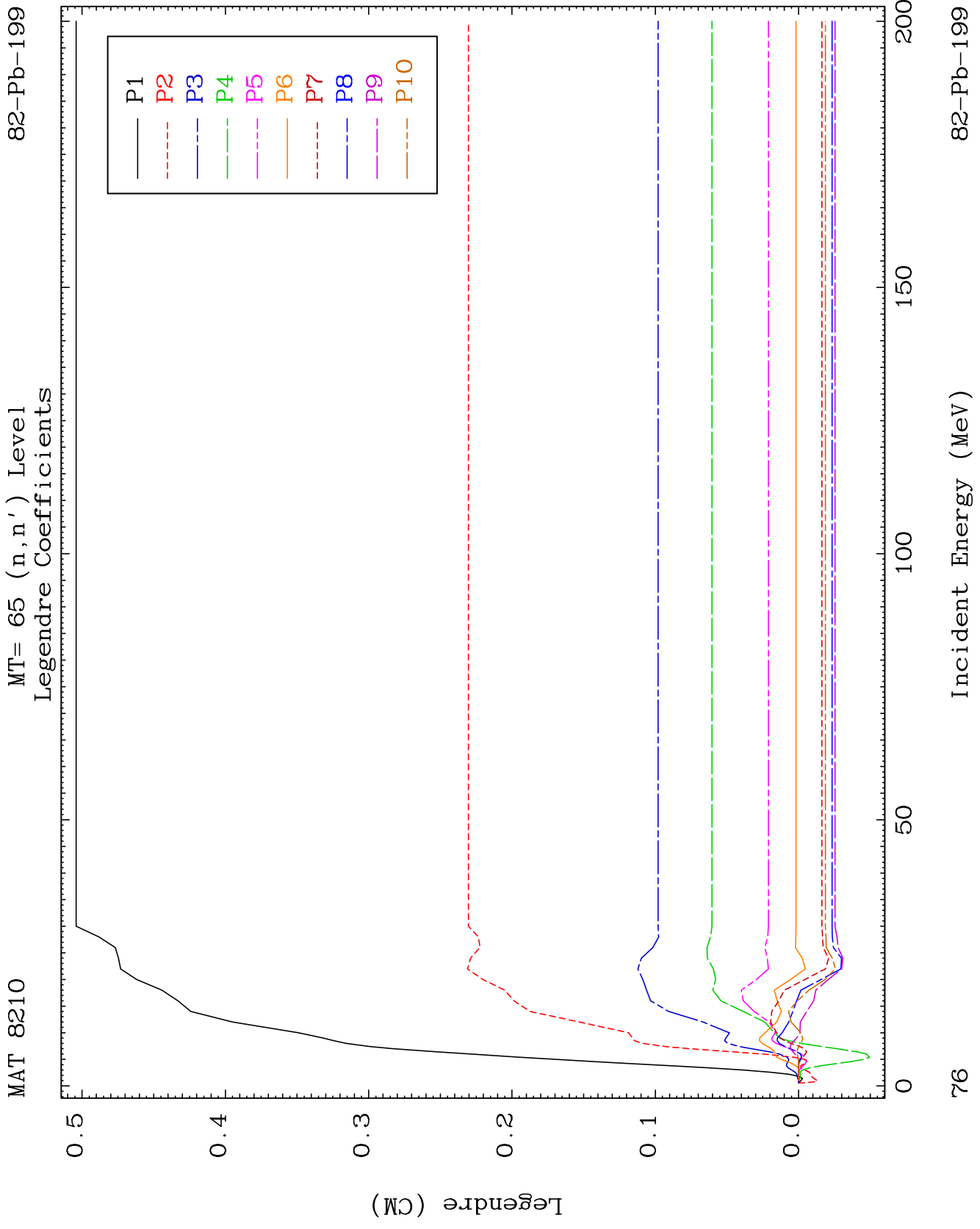
82-Pb-199



74

82-Pb-199

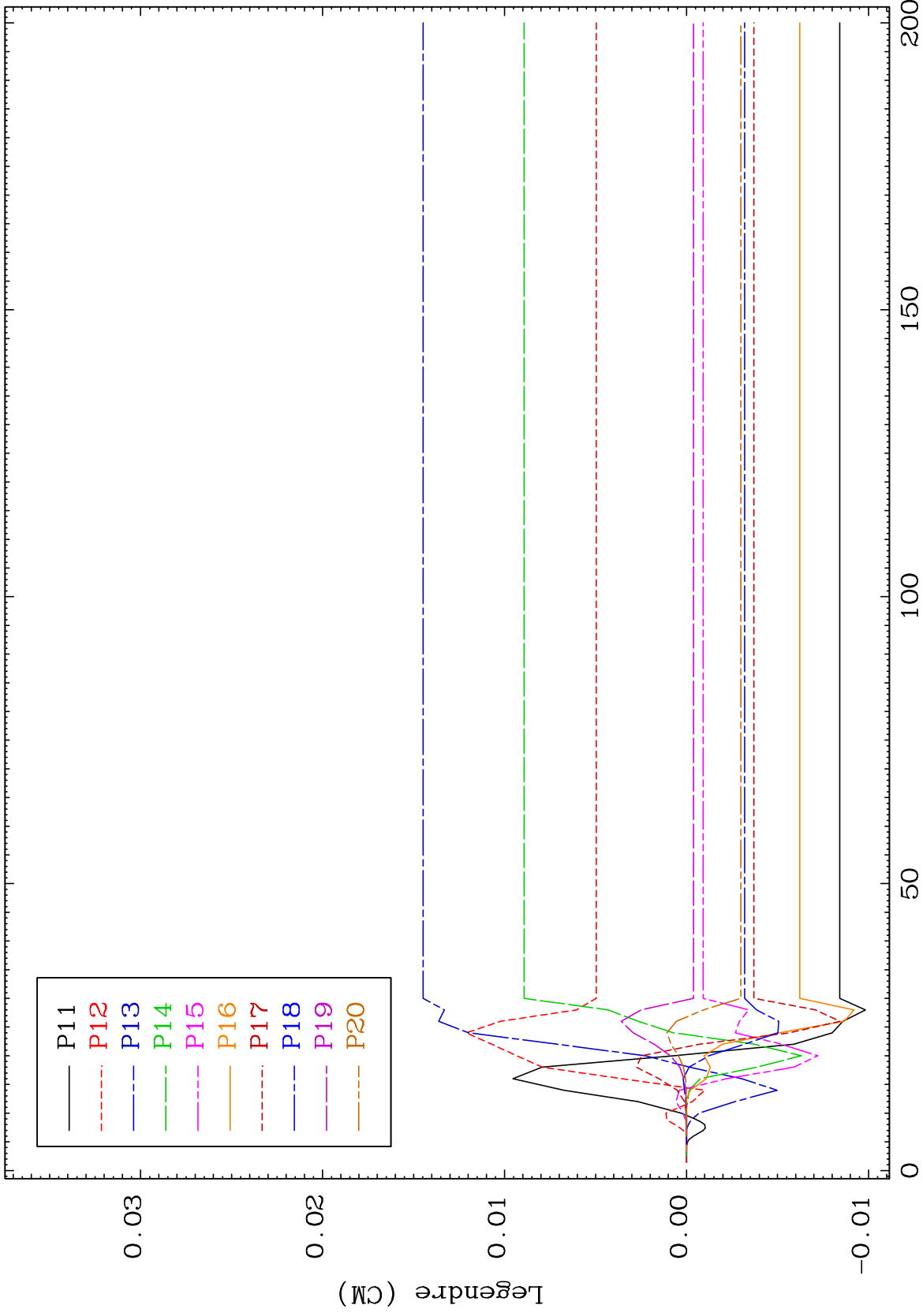




MAT 8210

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

82-Pb-199



77

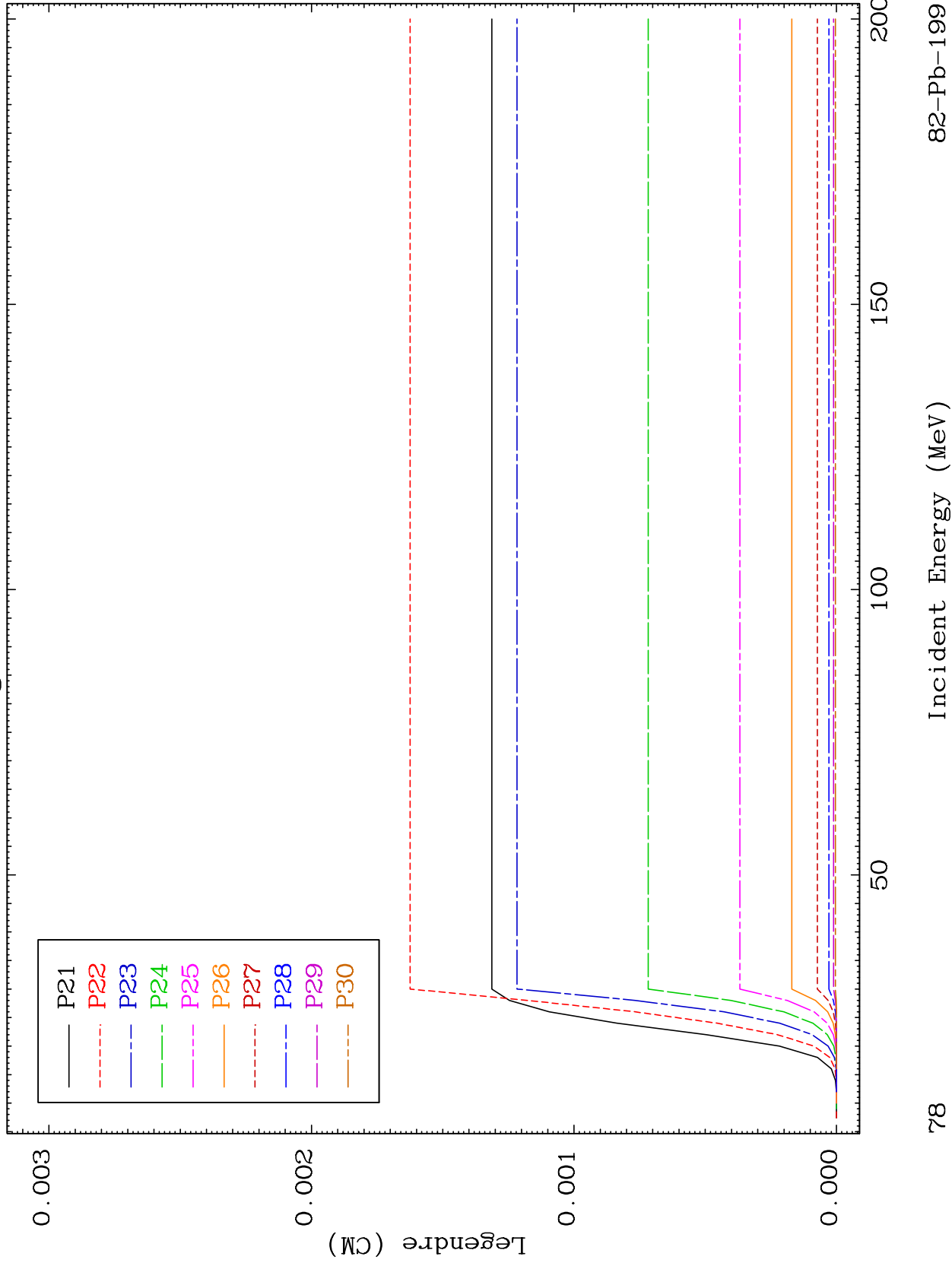
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

82-Pb-199



78

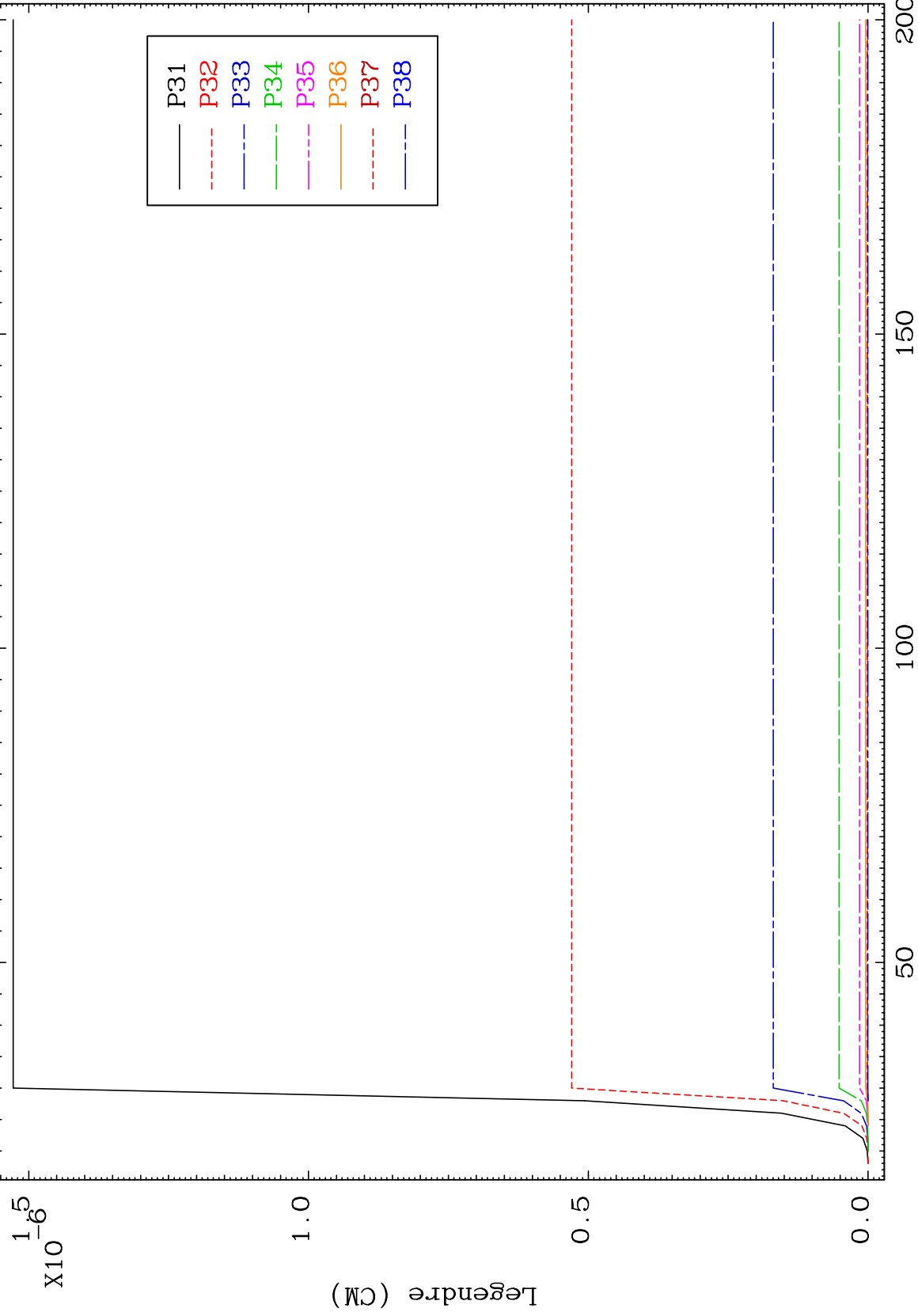
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

82-Pb-199



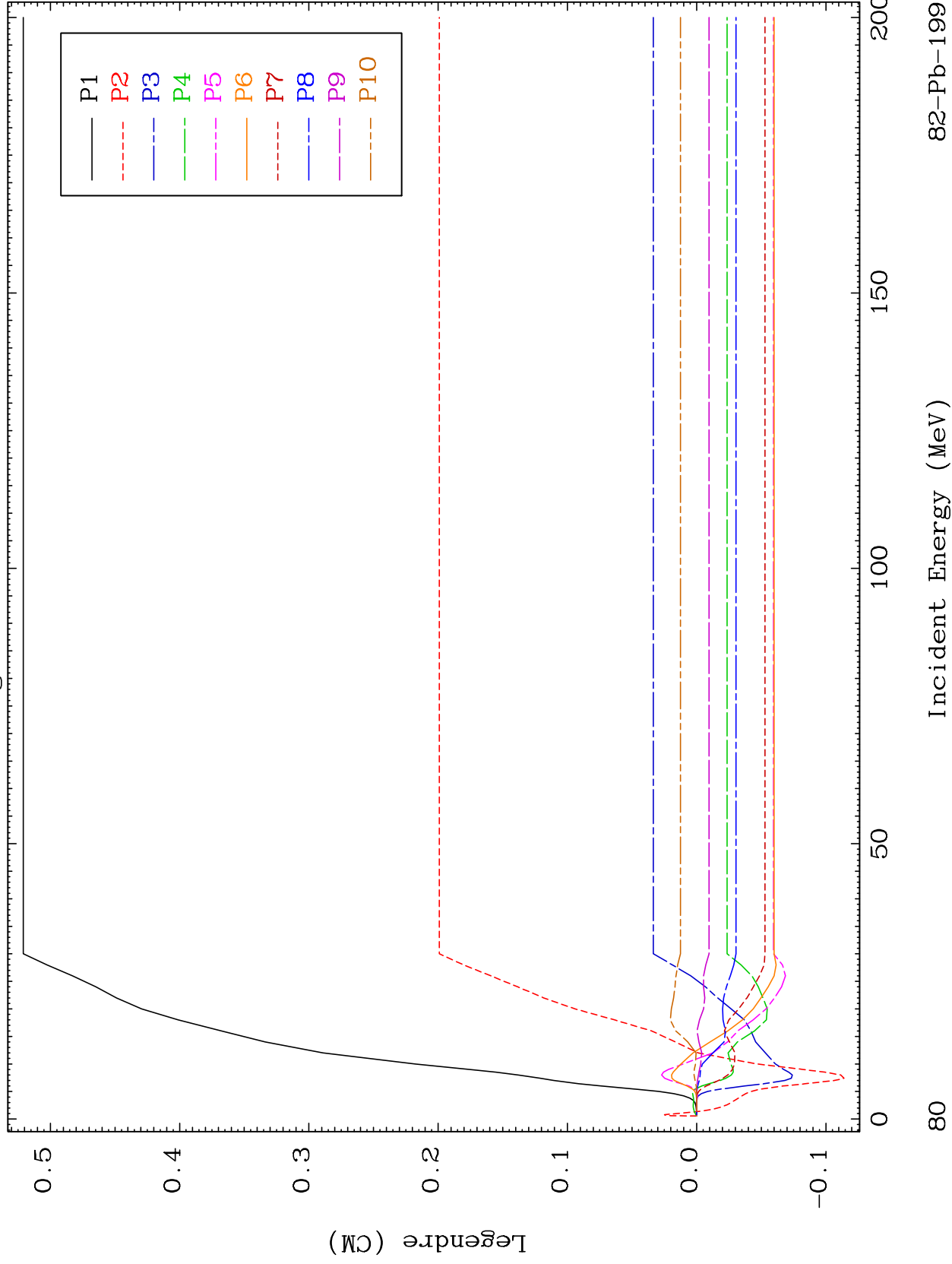
79

82-Pb-199

MAT 8210

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

82-Pb-199



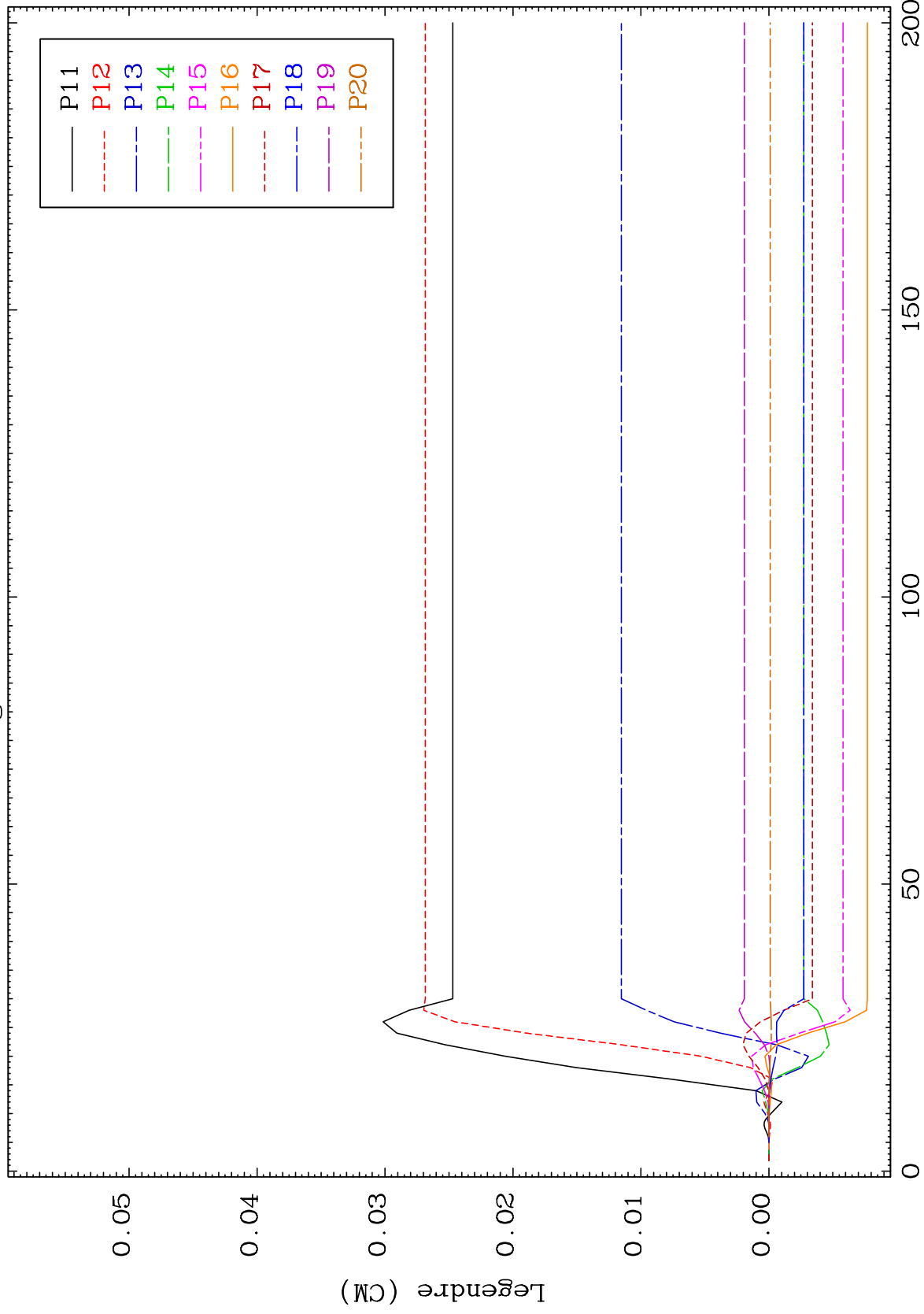
82-Pb-199

Incident Energy (MeV)

MAT 8210

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

82-Pb-199



81

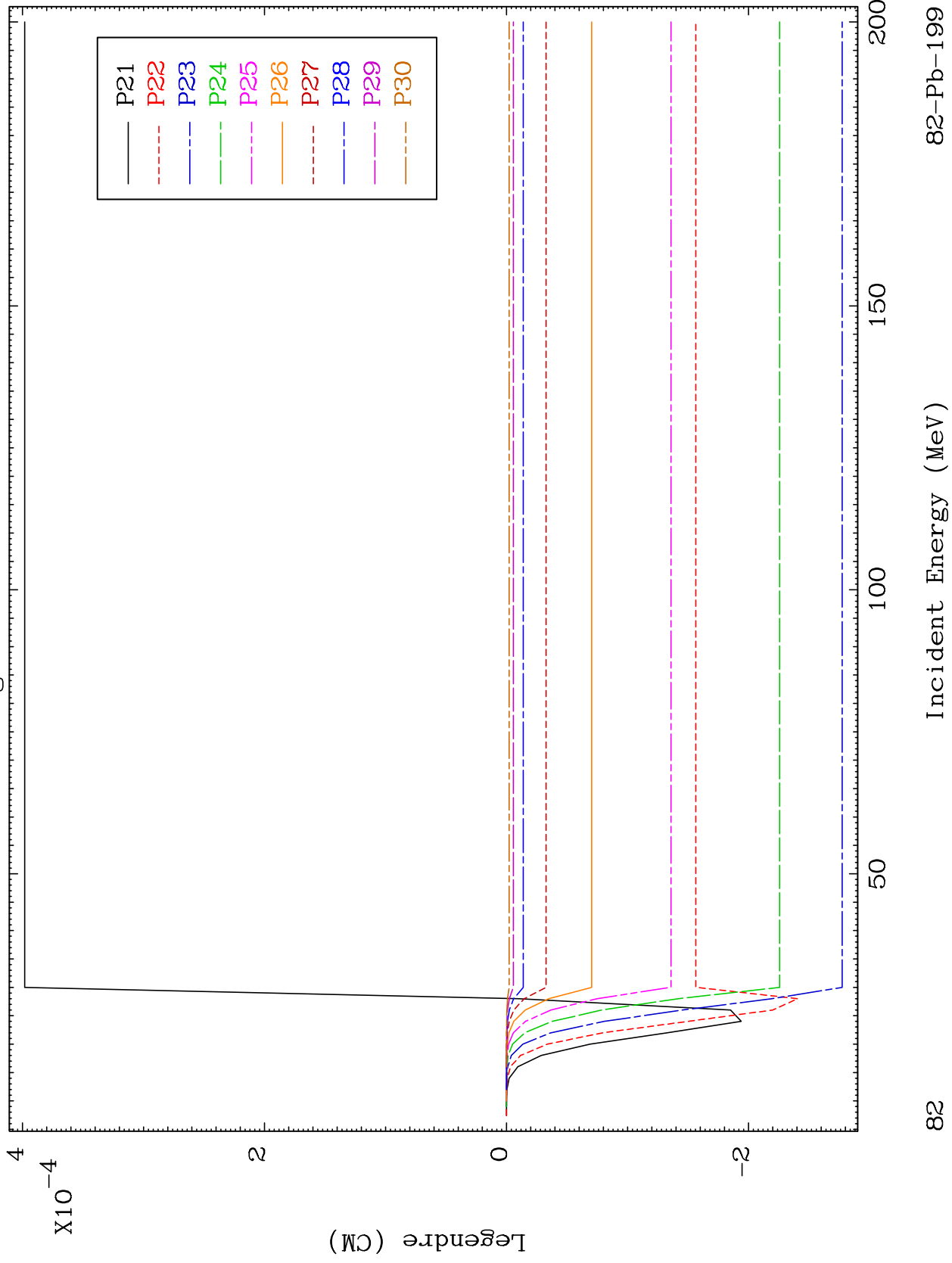
Incident Energy (MeV)

82-Pb-199

MAT 8210

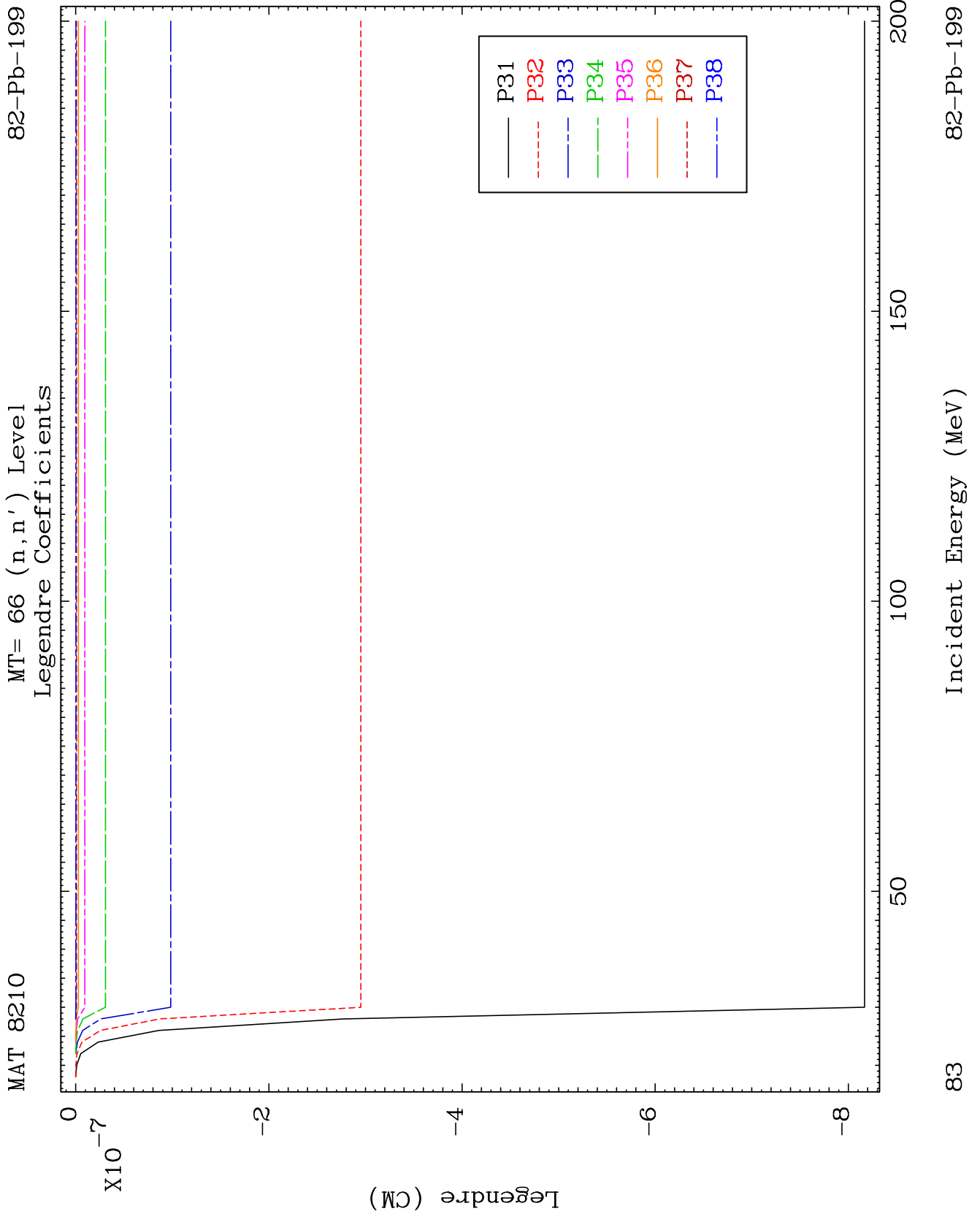
MT= 66 (n,n') Level
Legendre Coefficients

82-Pb-199



82

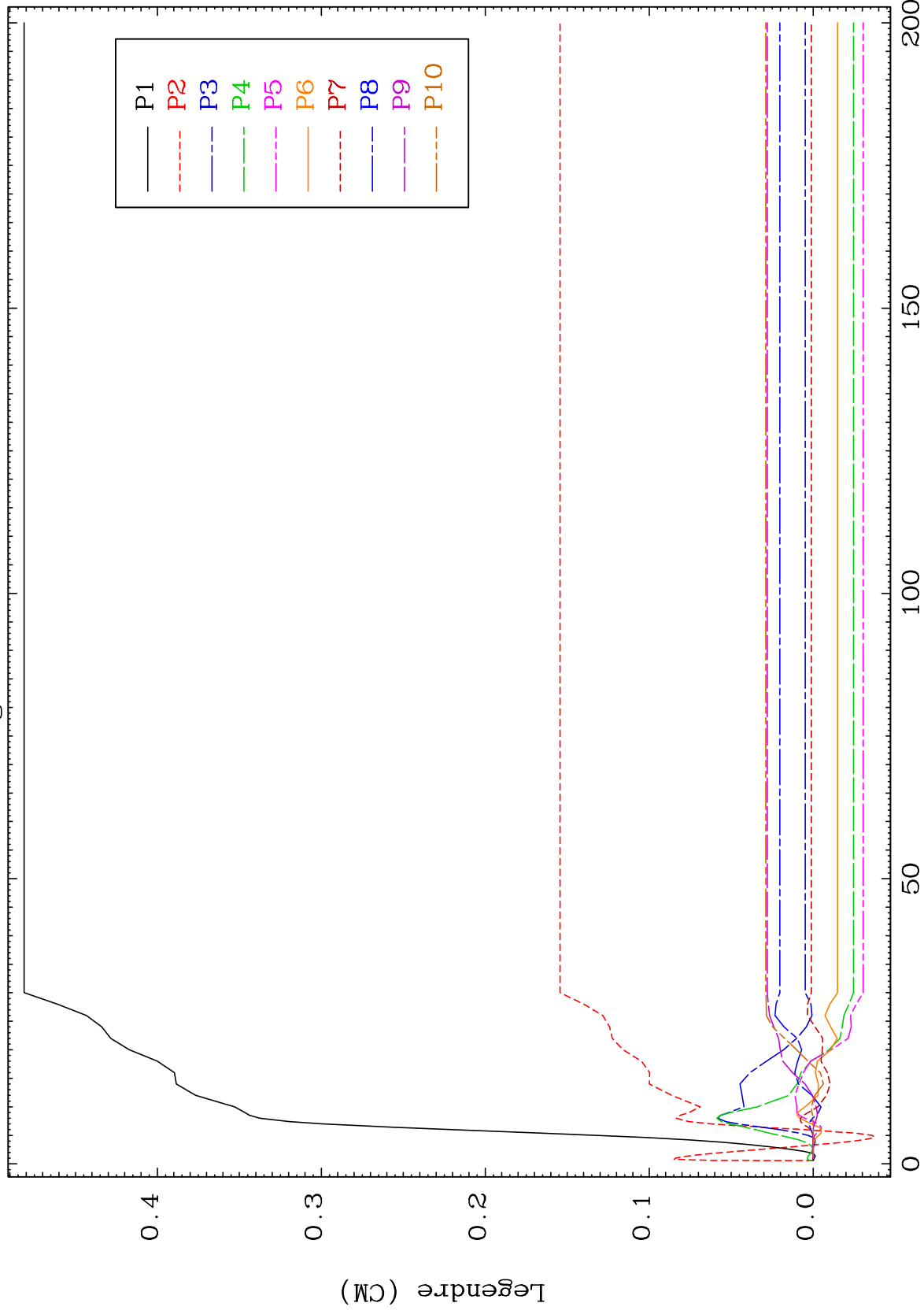
82-Pb-199



MAT 8210

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

82-Pb-199



84

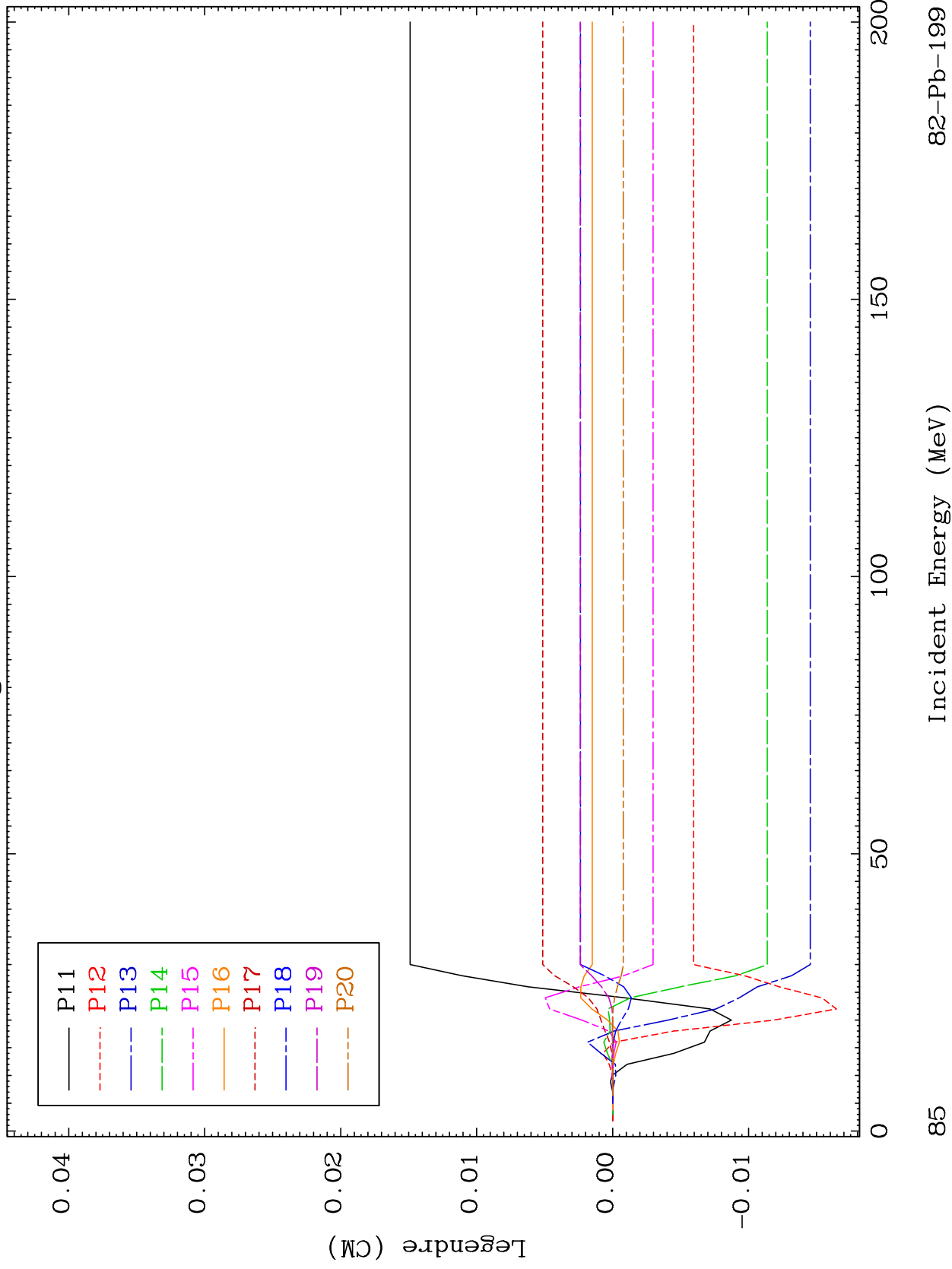
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

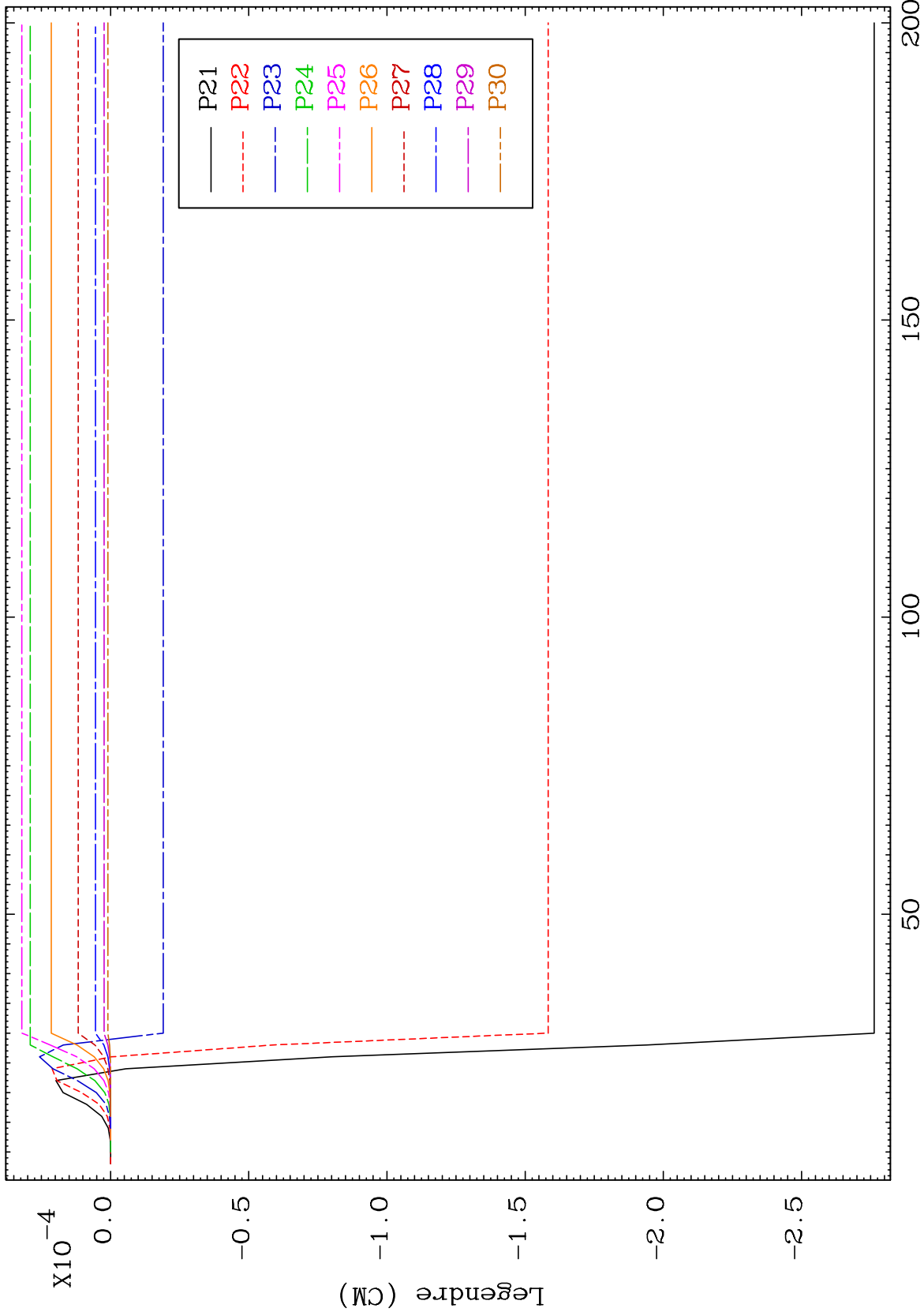
82-Pb-199



85

Incident Energy (MeV)

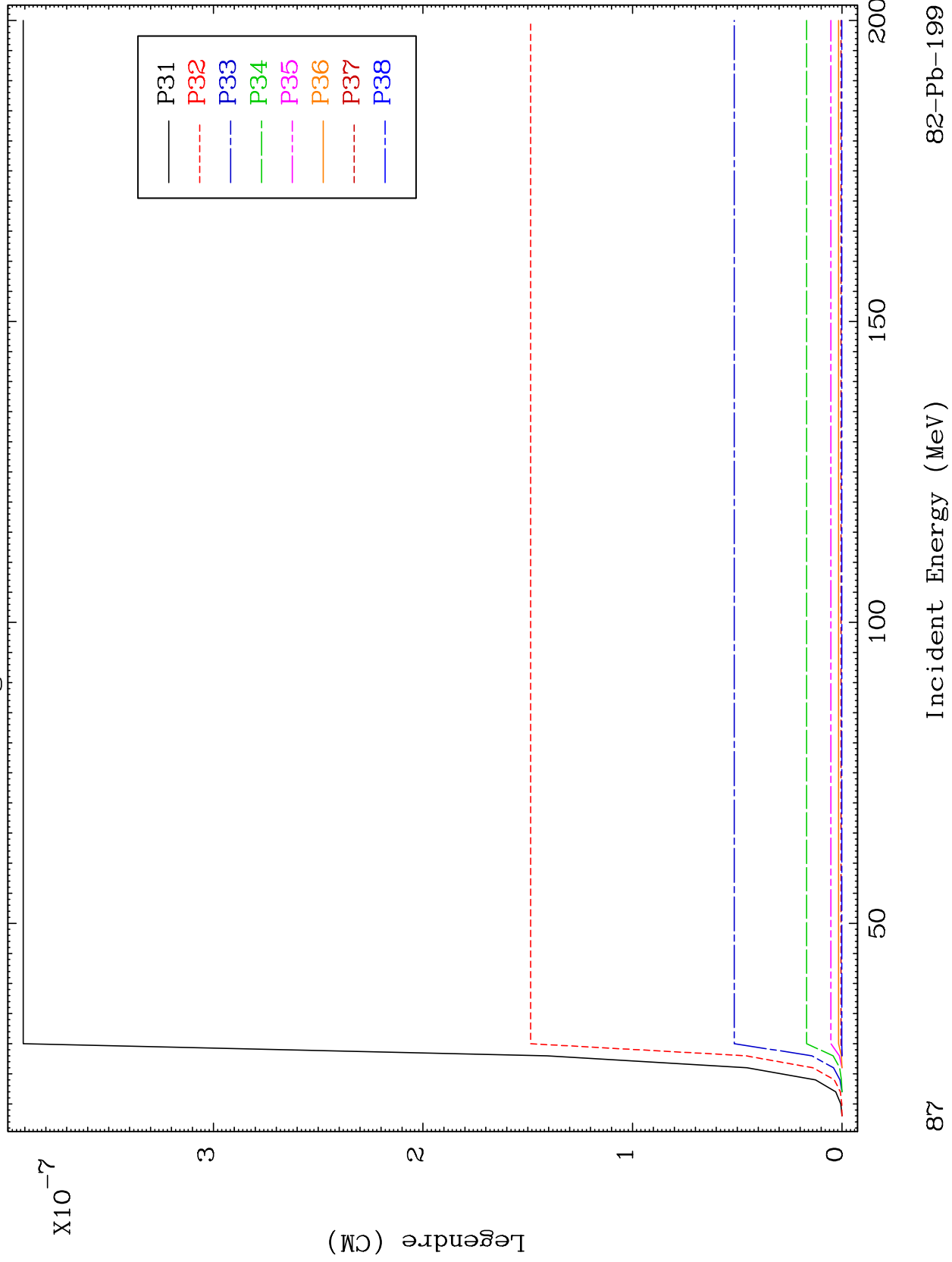
82-Pb-199



MAT 8210

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

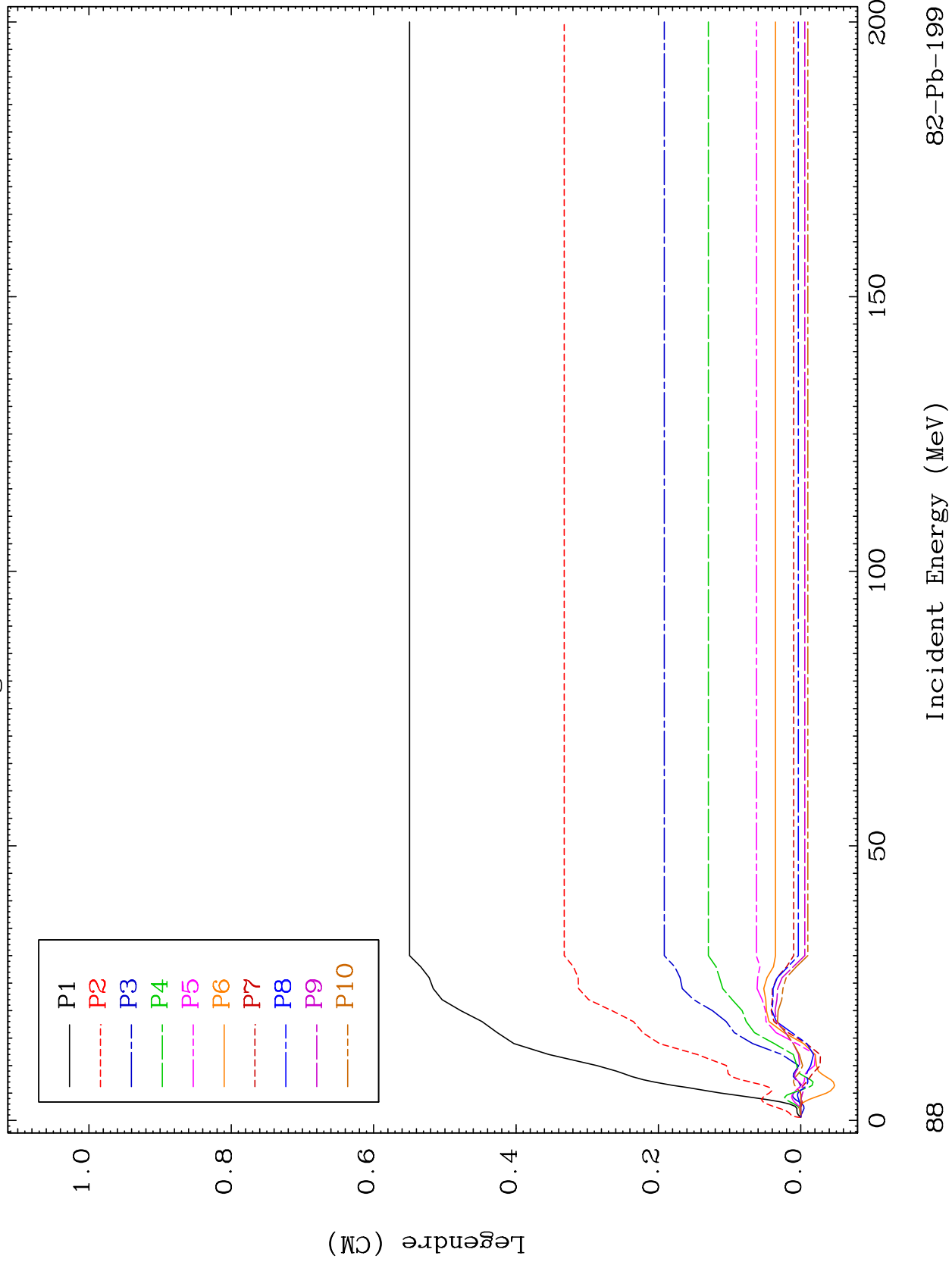
82-Pb-199



MAT 8210

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

82-Pb-199



88

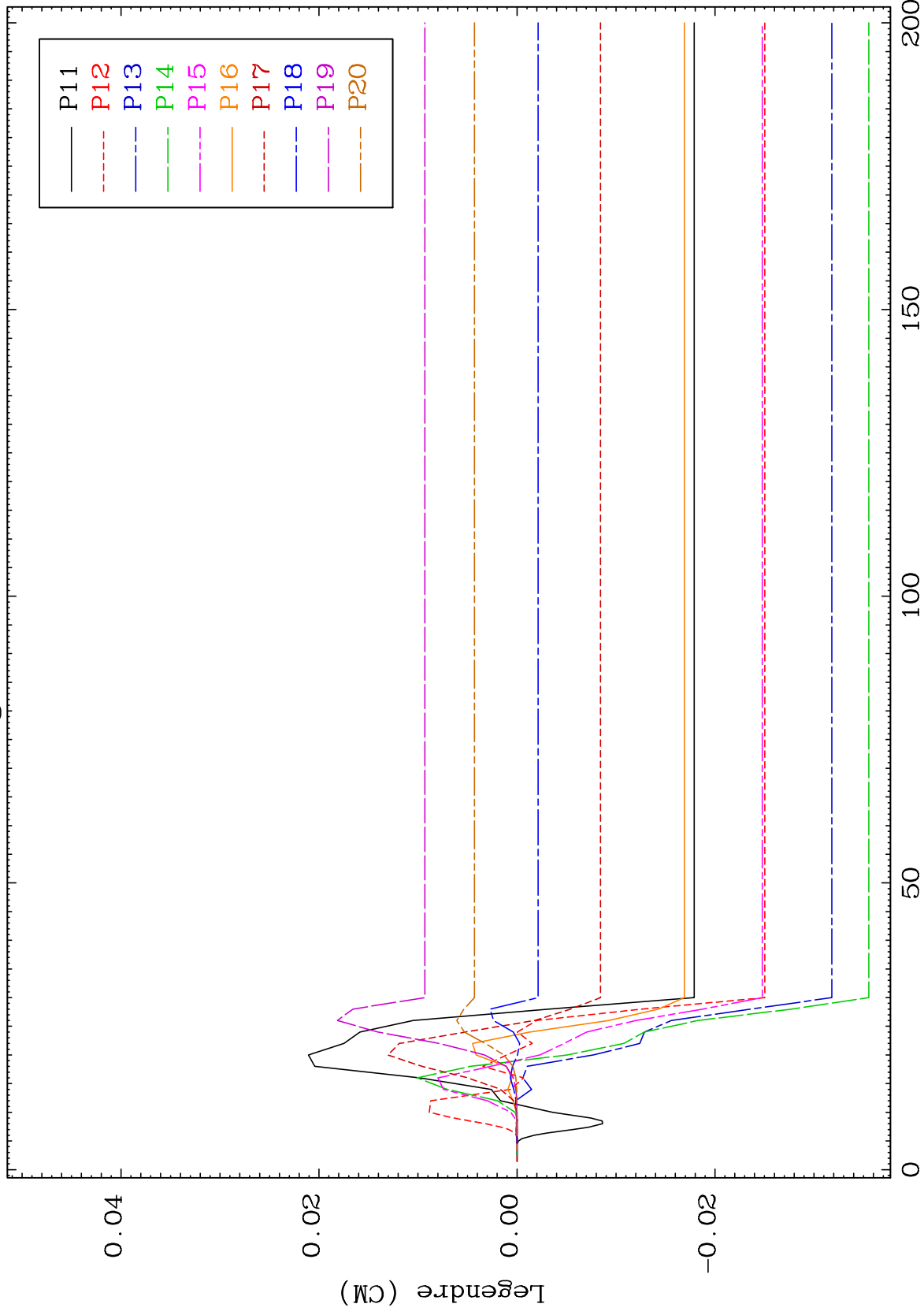
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

82-Pb-199



89

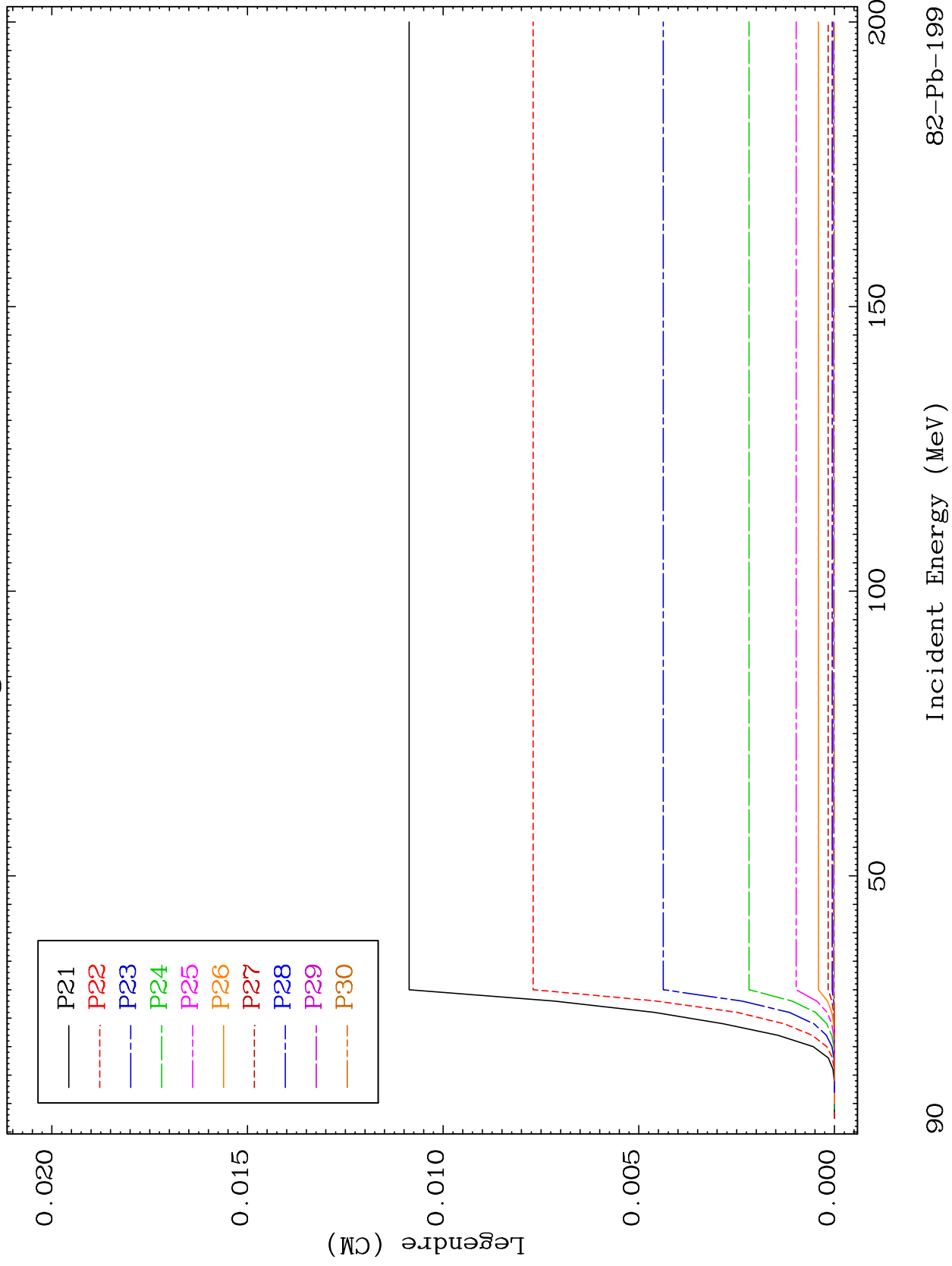
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

82-Pb-199



90

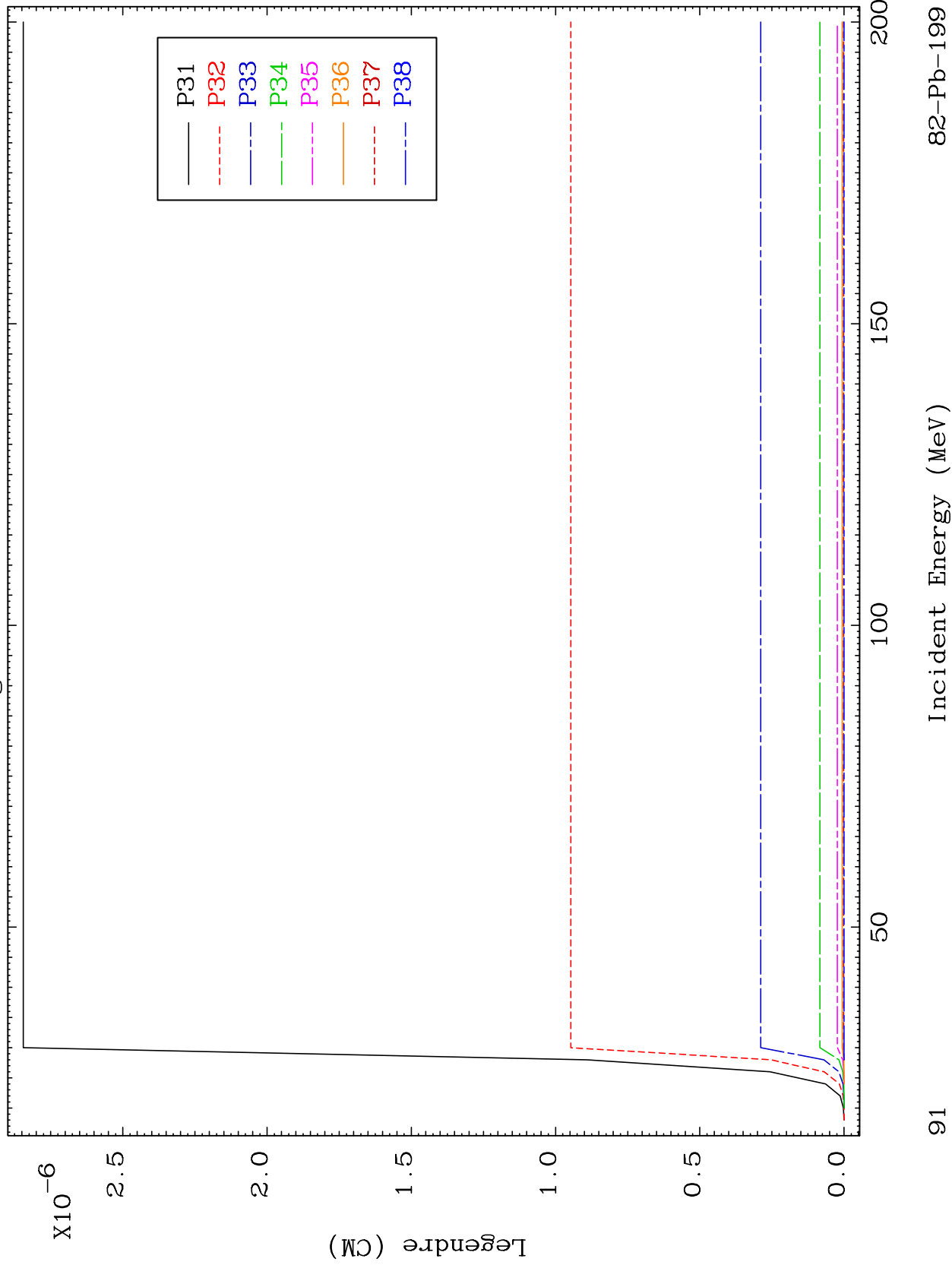
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

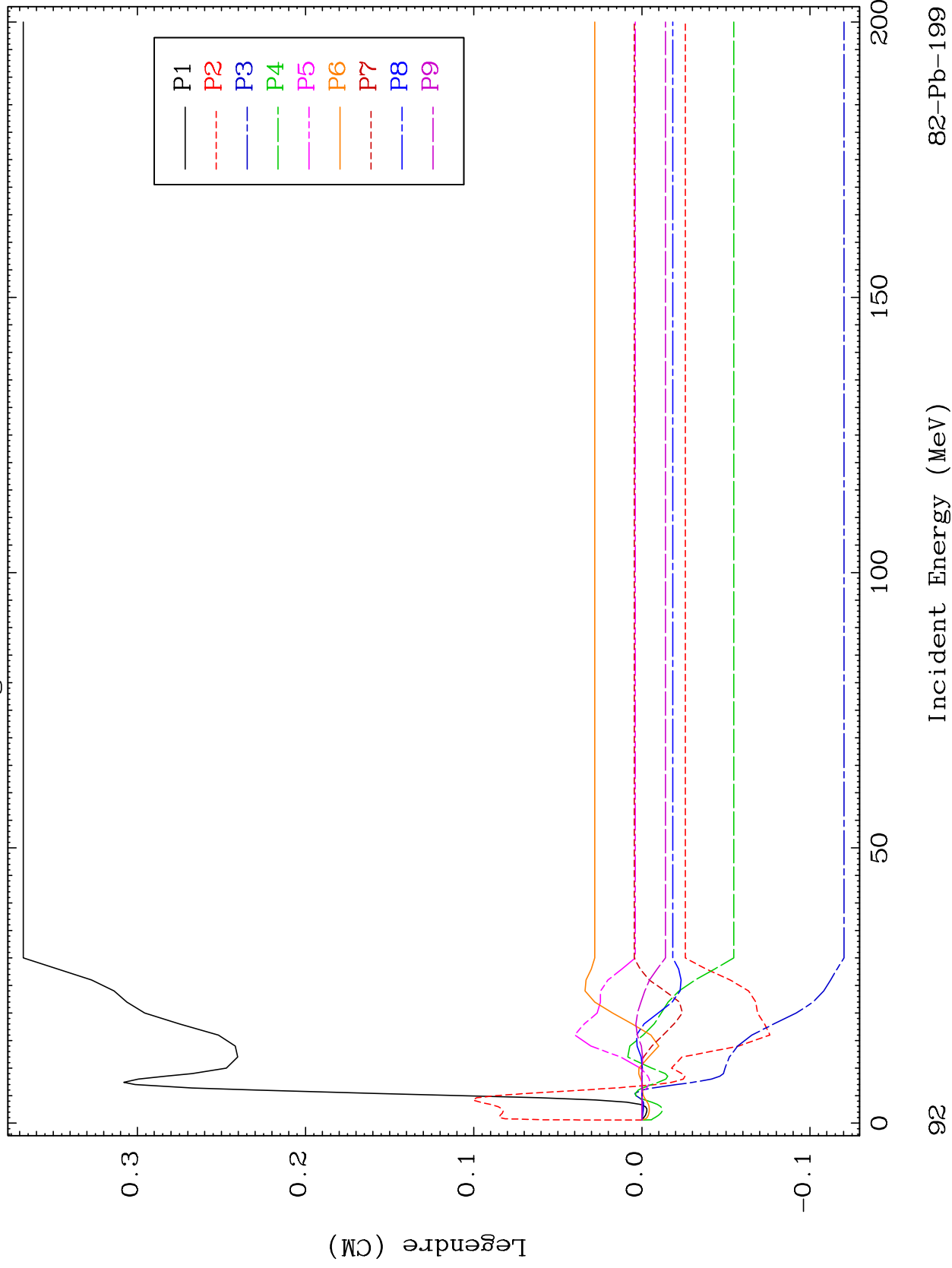
82-Pb-199



MAT 8210

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

82-Pb-199



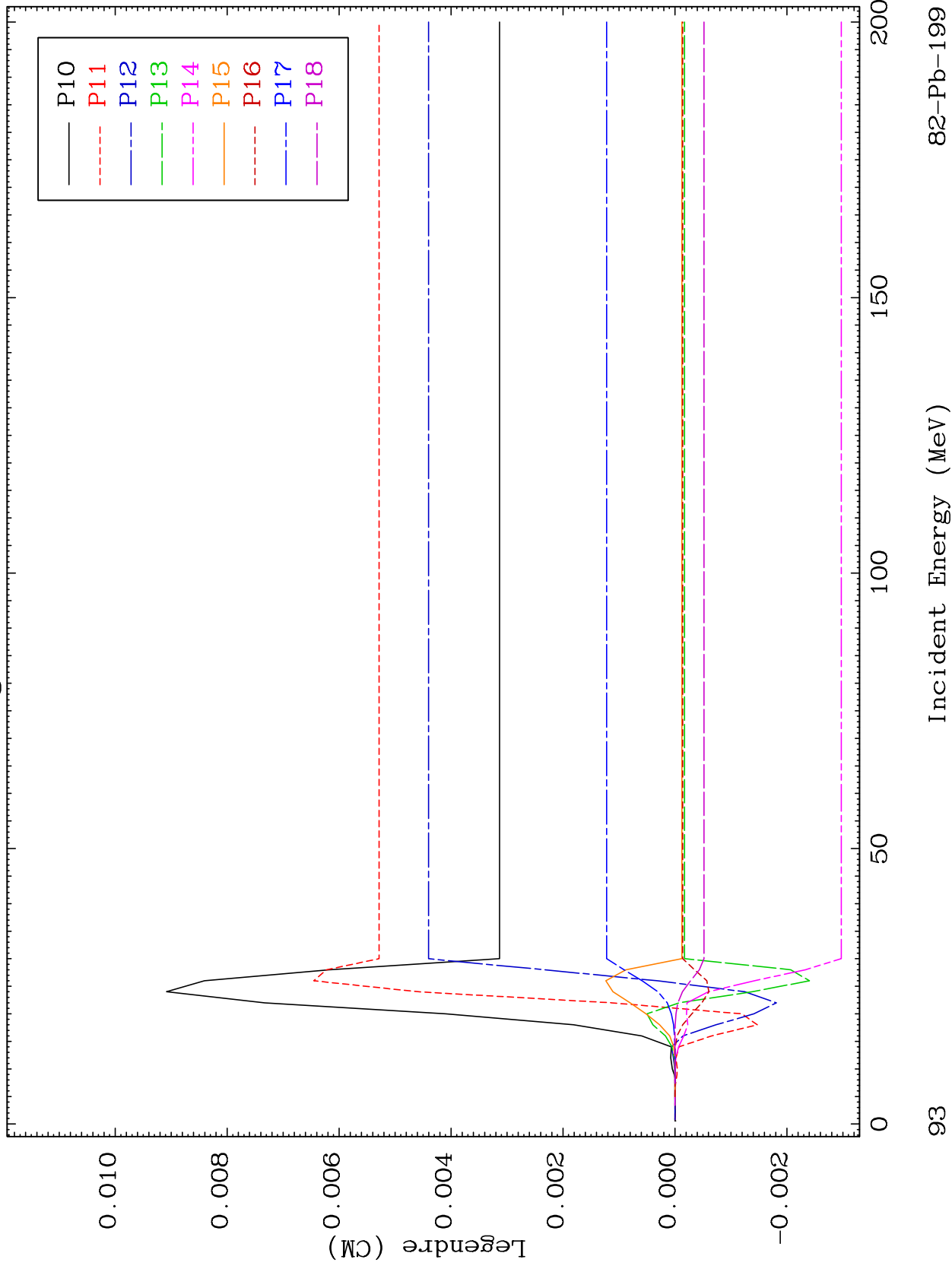
92

82-Pb-199

MAT 8210

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

82-Pb-199



93

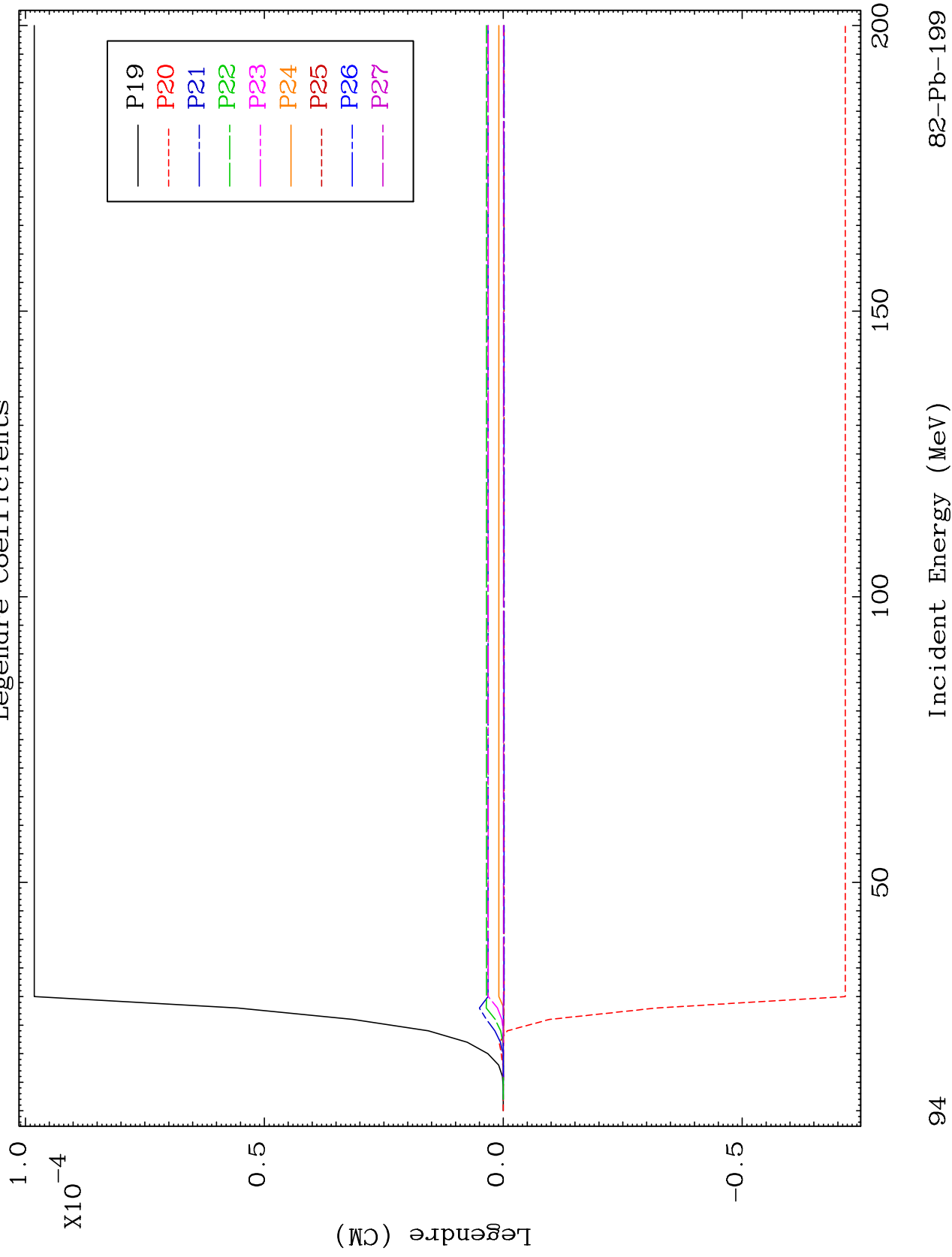
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

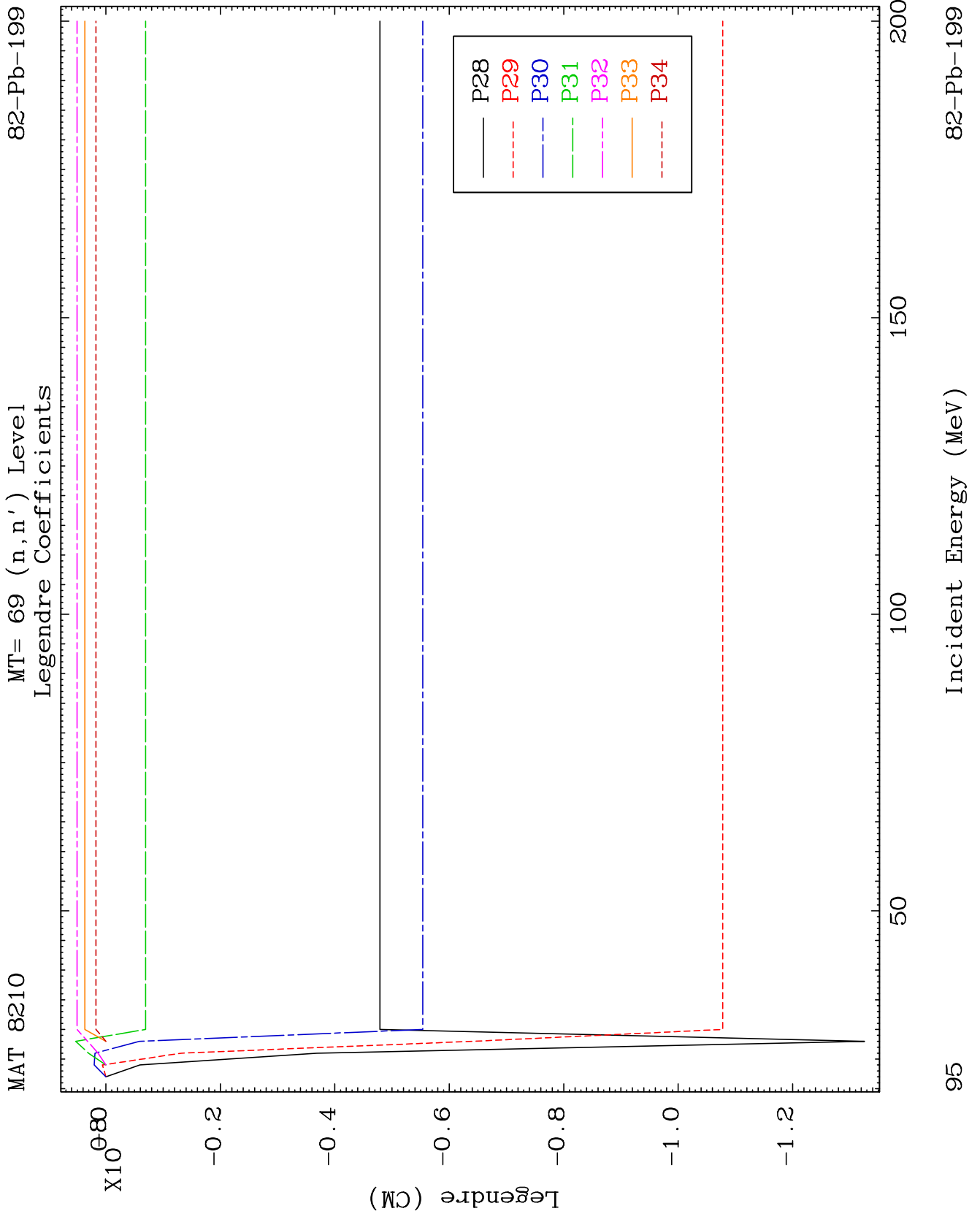
82-Pb-199



94

Incident Energy (MeV)

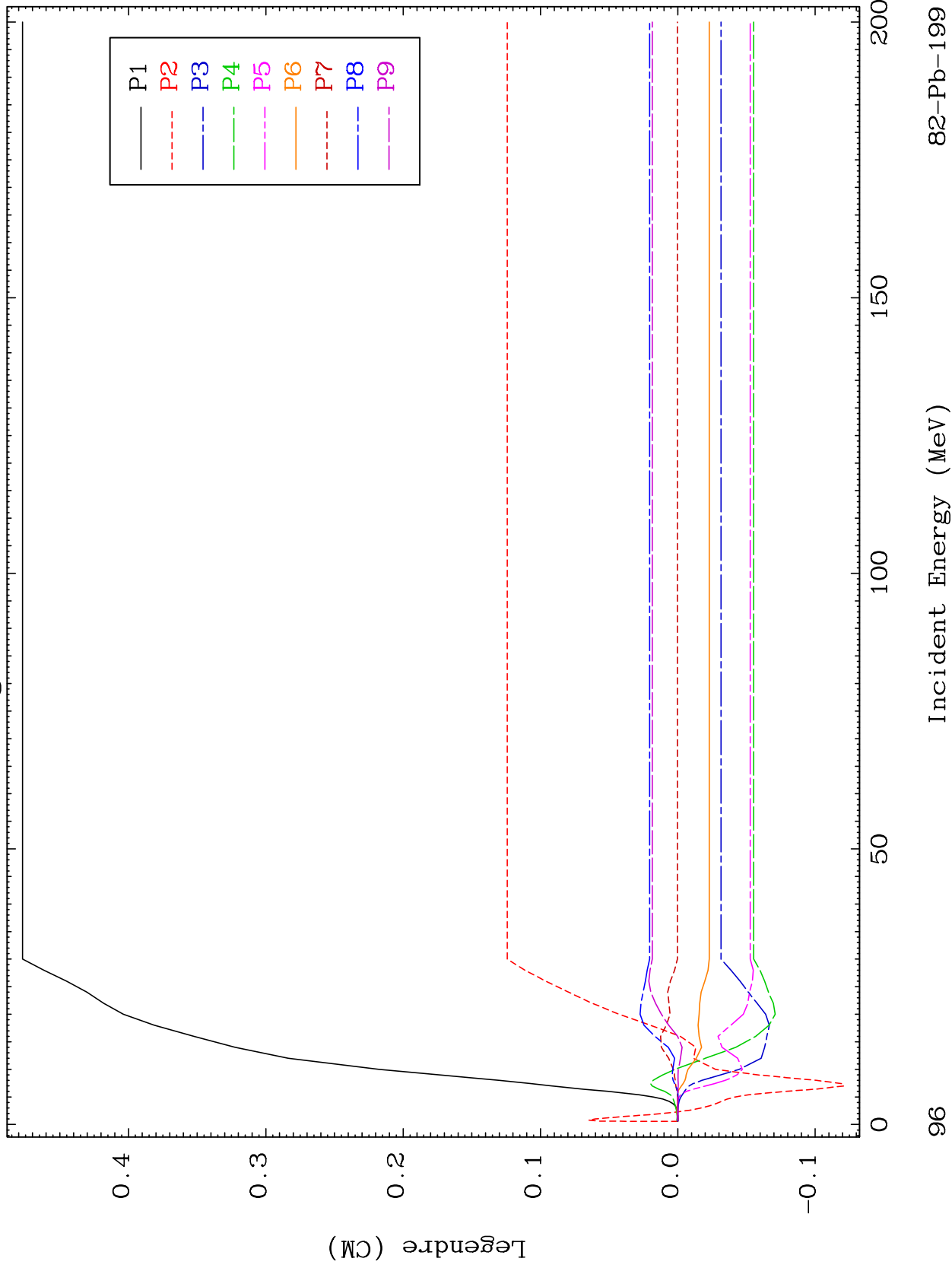
82-Pb-199



MAT 8210

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

82-Pb-199



82-Pb-199

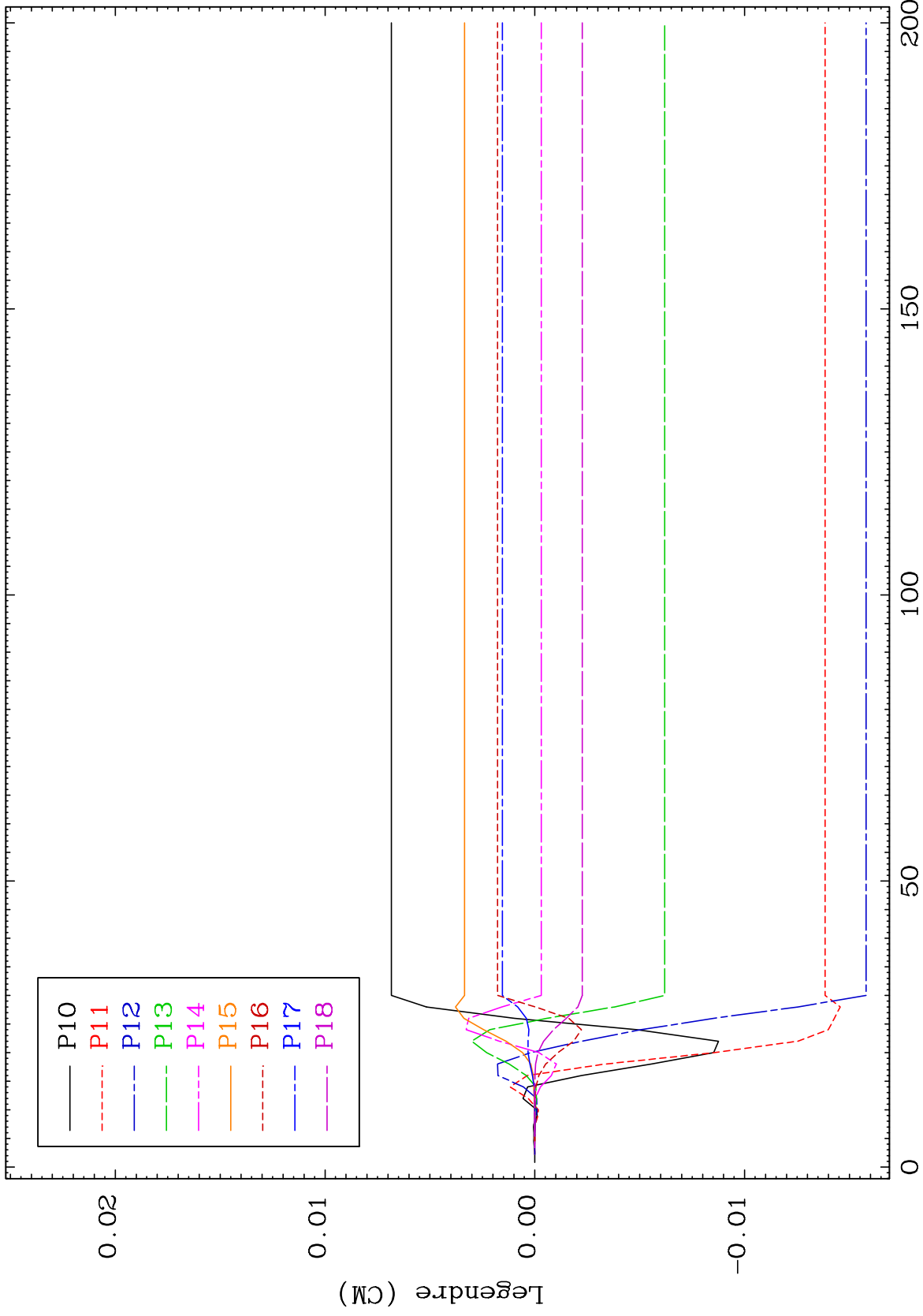
Incident Energy (MeV)

96

MAT 8210

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

82-Pb-199



97

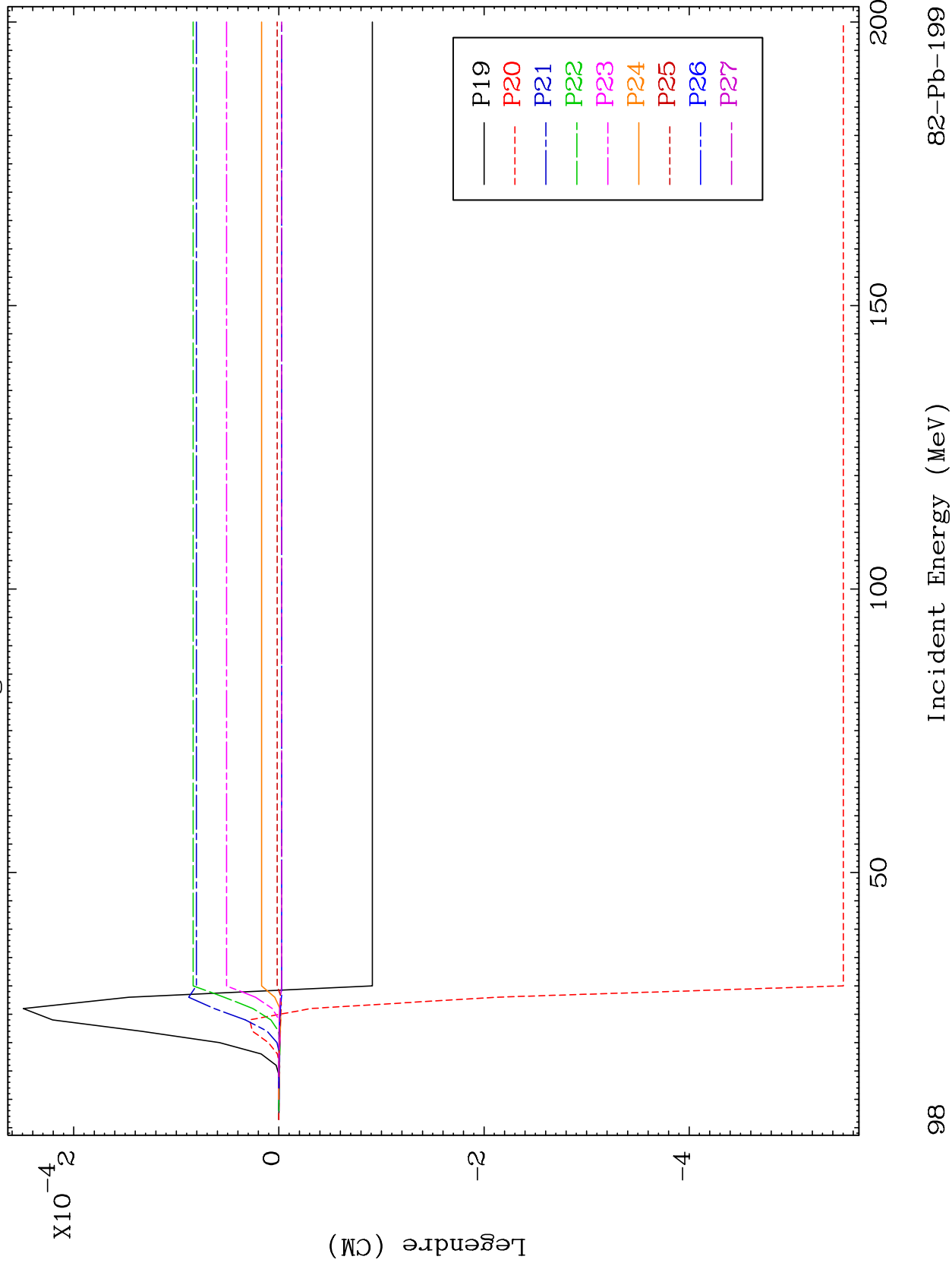
Incident Energy (MeV)

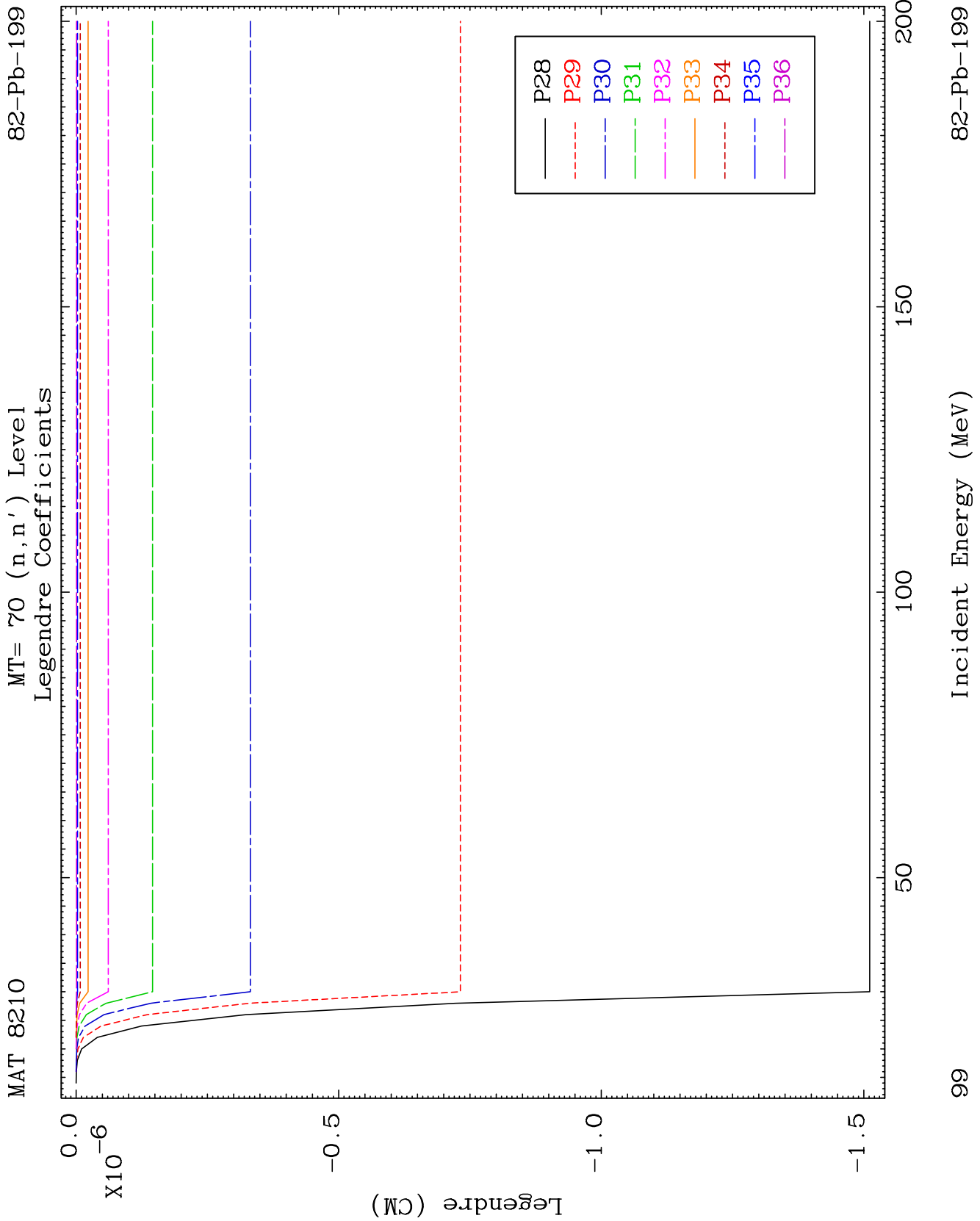
82-Pb-199

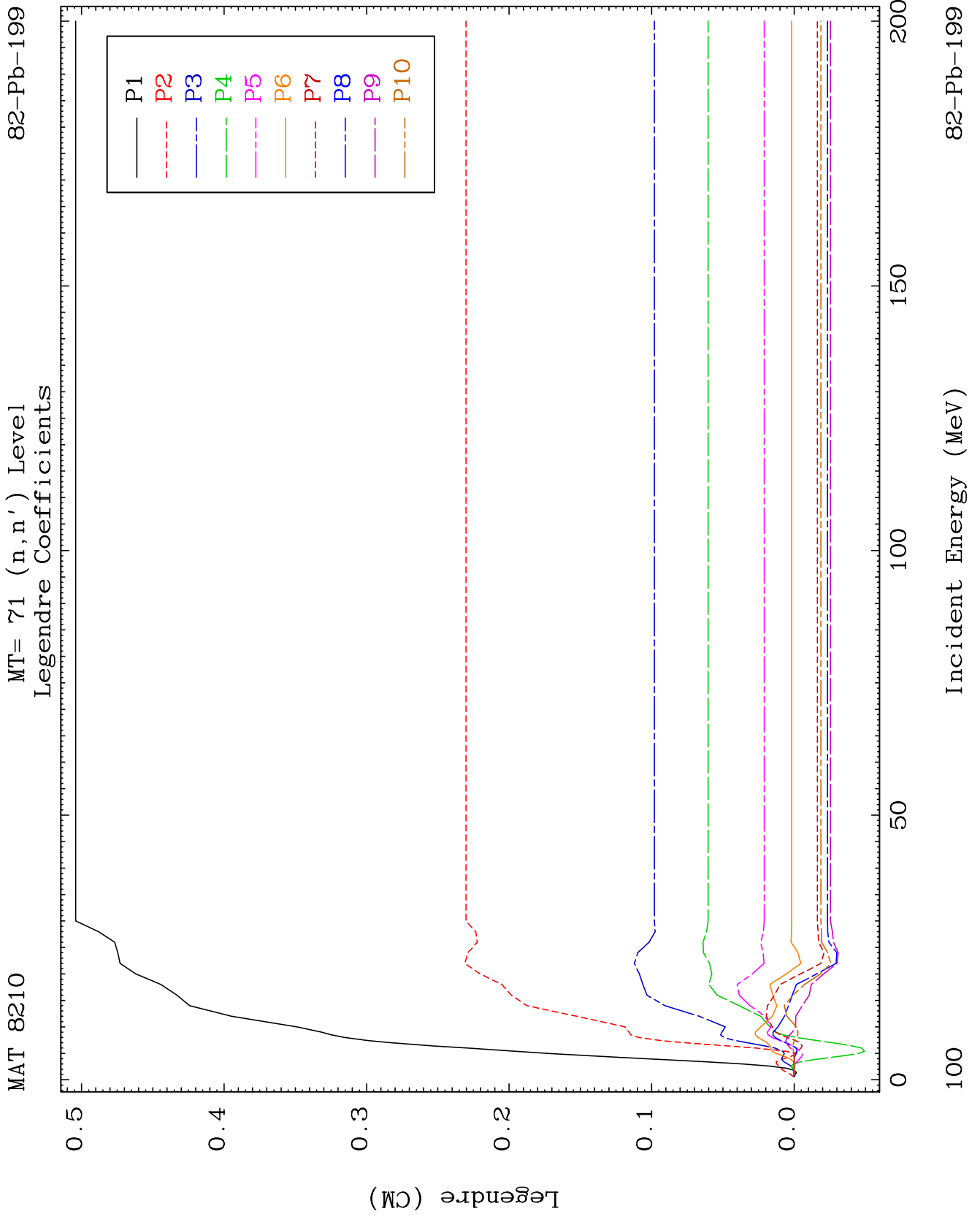
MAT 8210

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

82-Pb-199



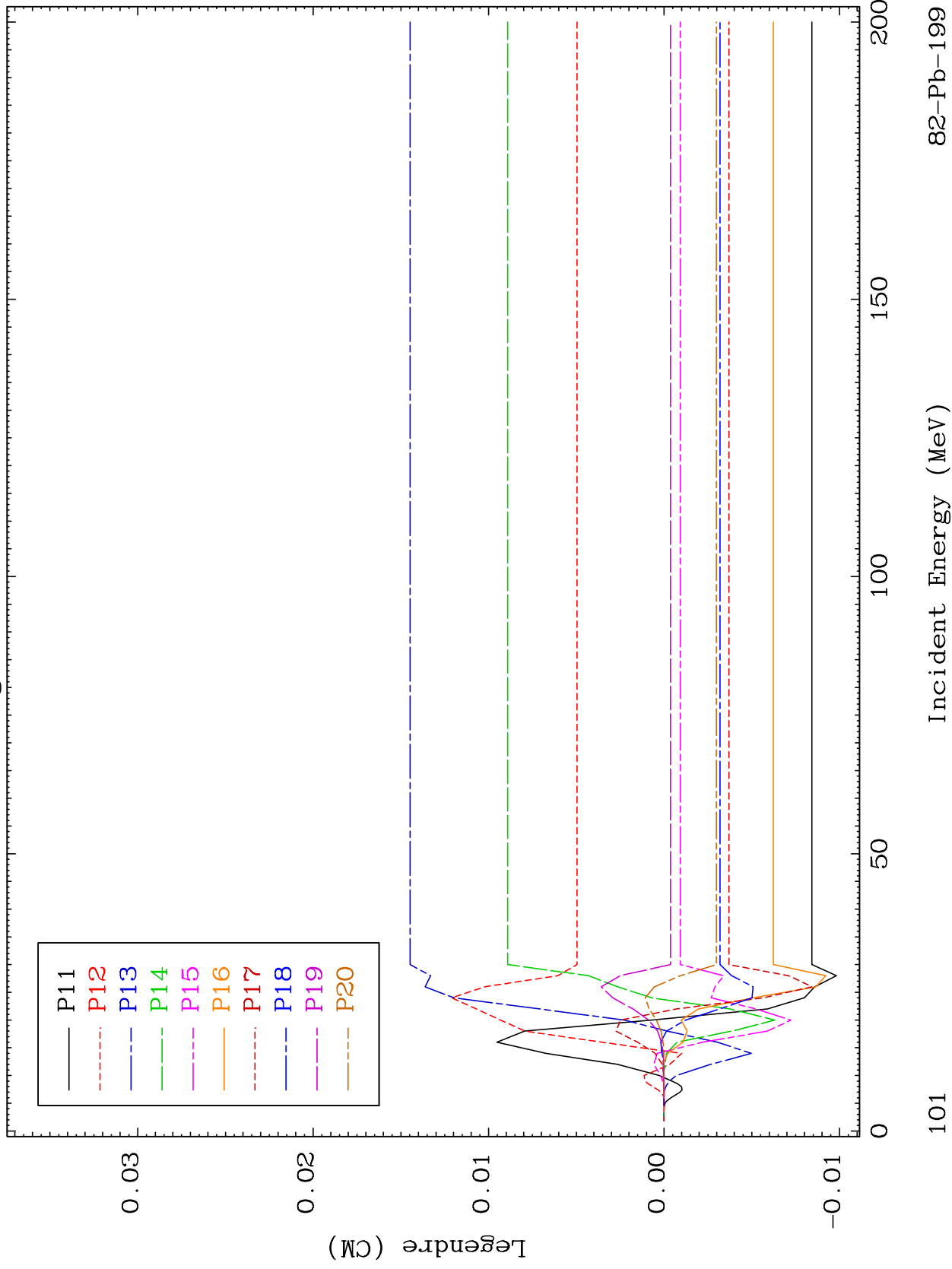




MAT 8210

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

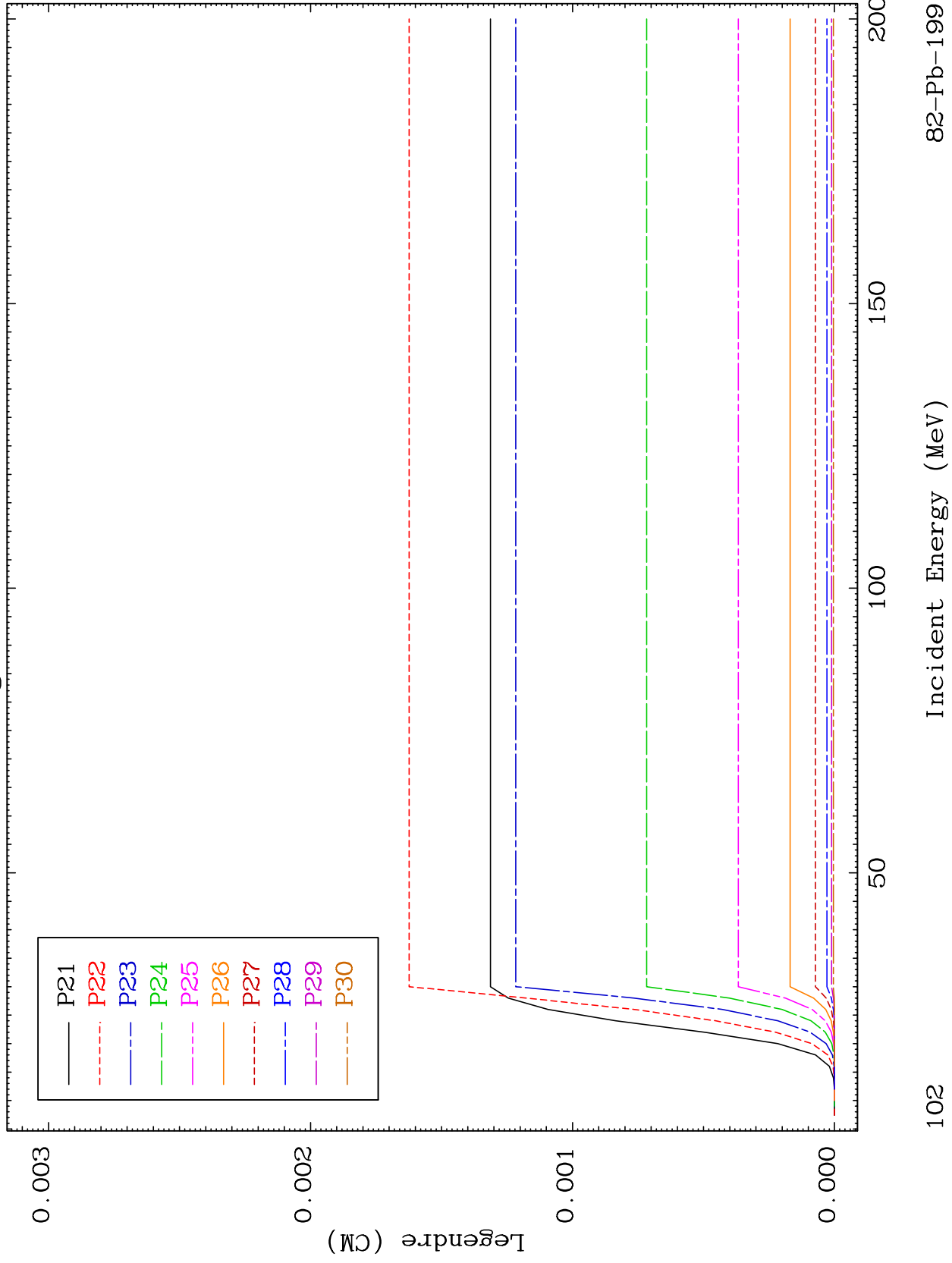
82-Pb-199



MAT 8210

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

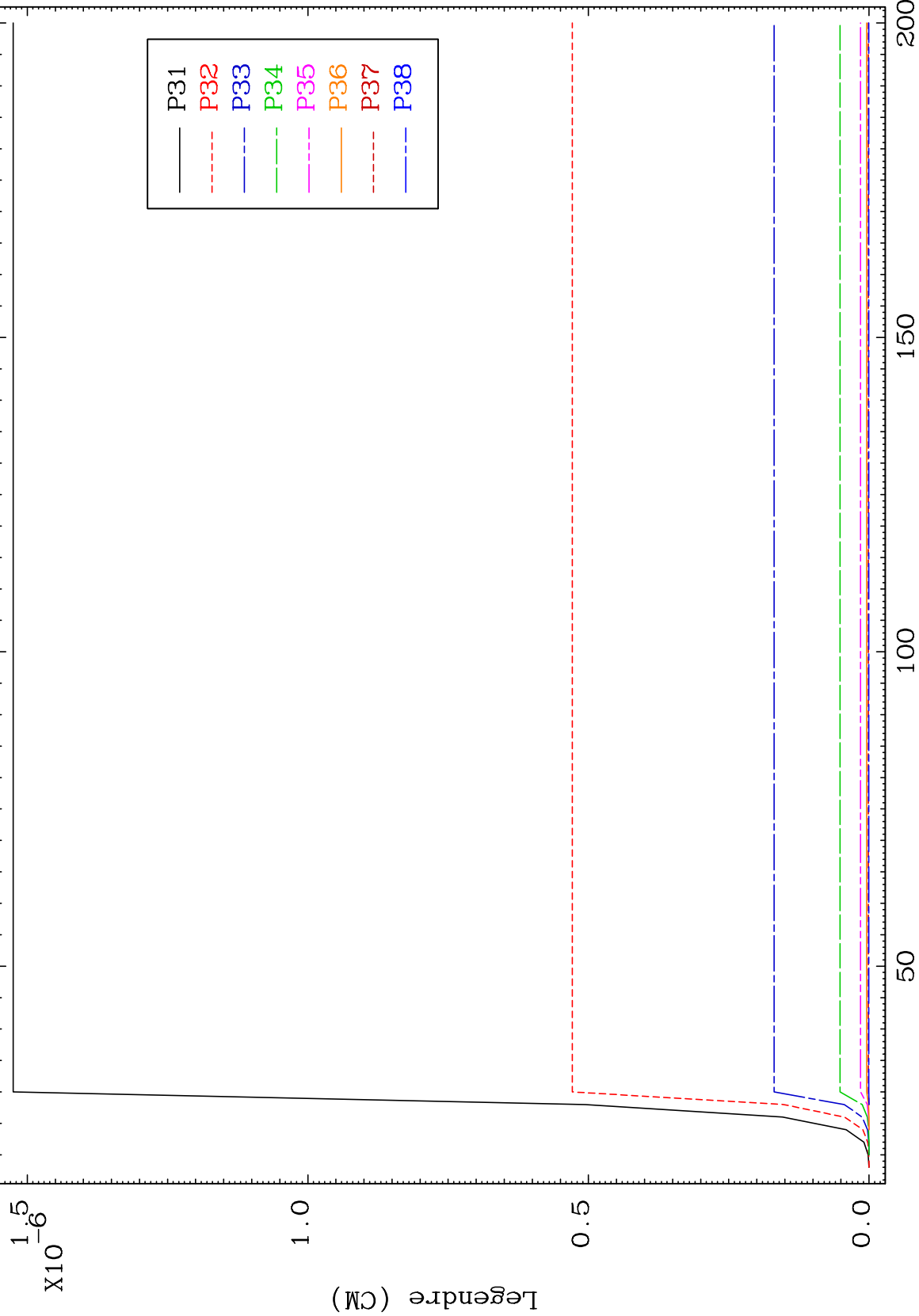
82-Pb-199



MAT 8210

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

82-Pb-199



103

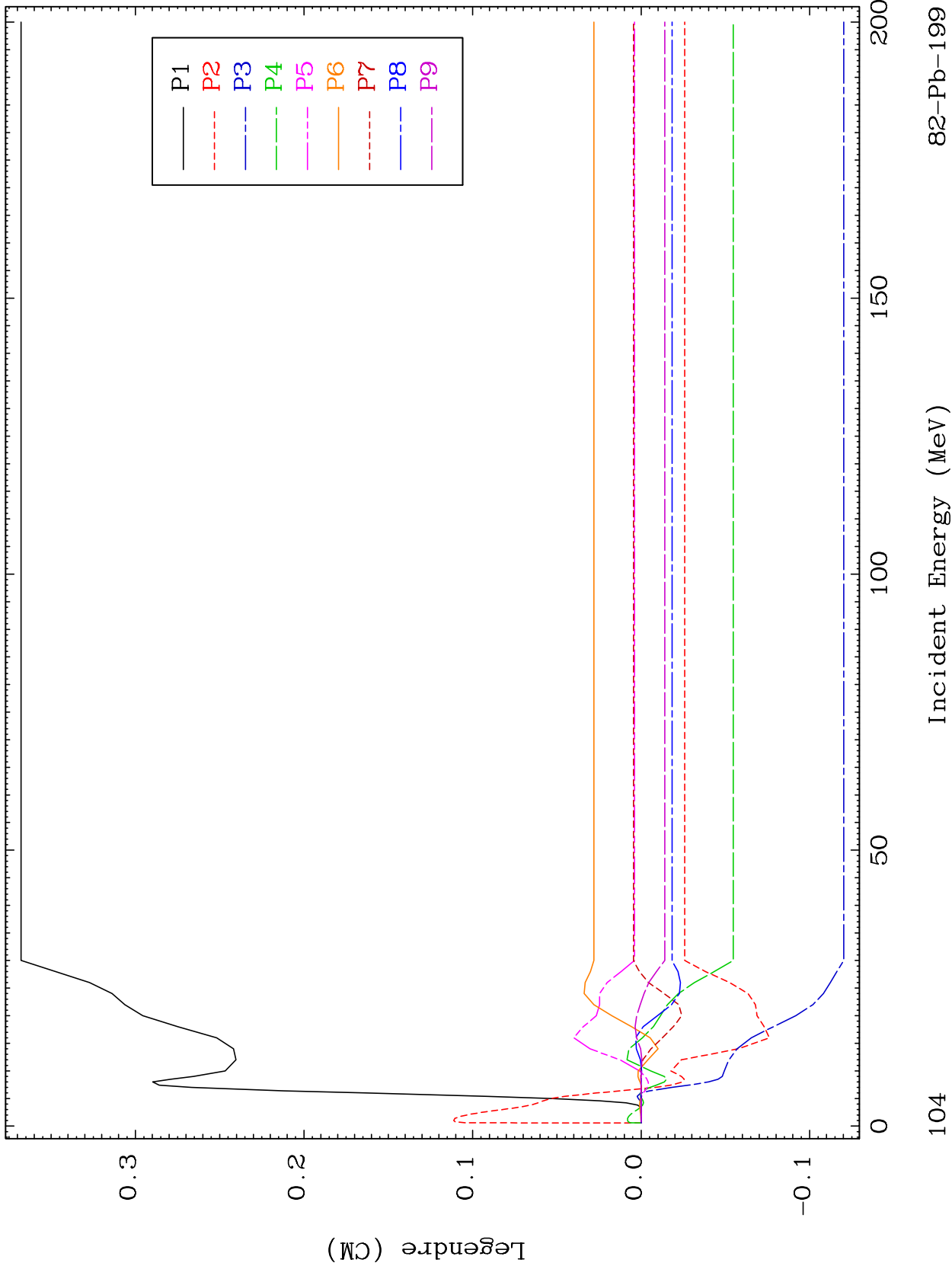
Incident Energy (MeV)

82-Pb-199

MAT 8210

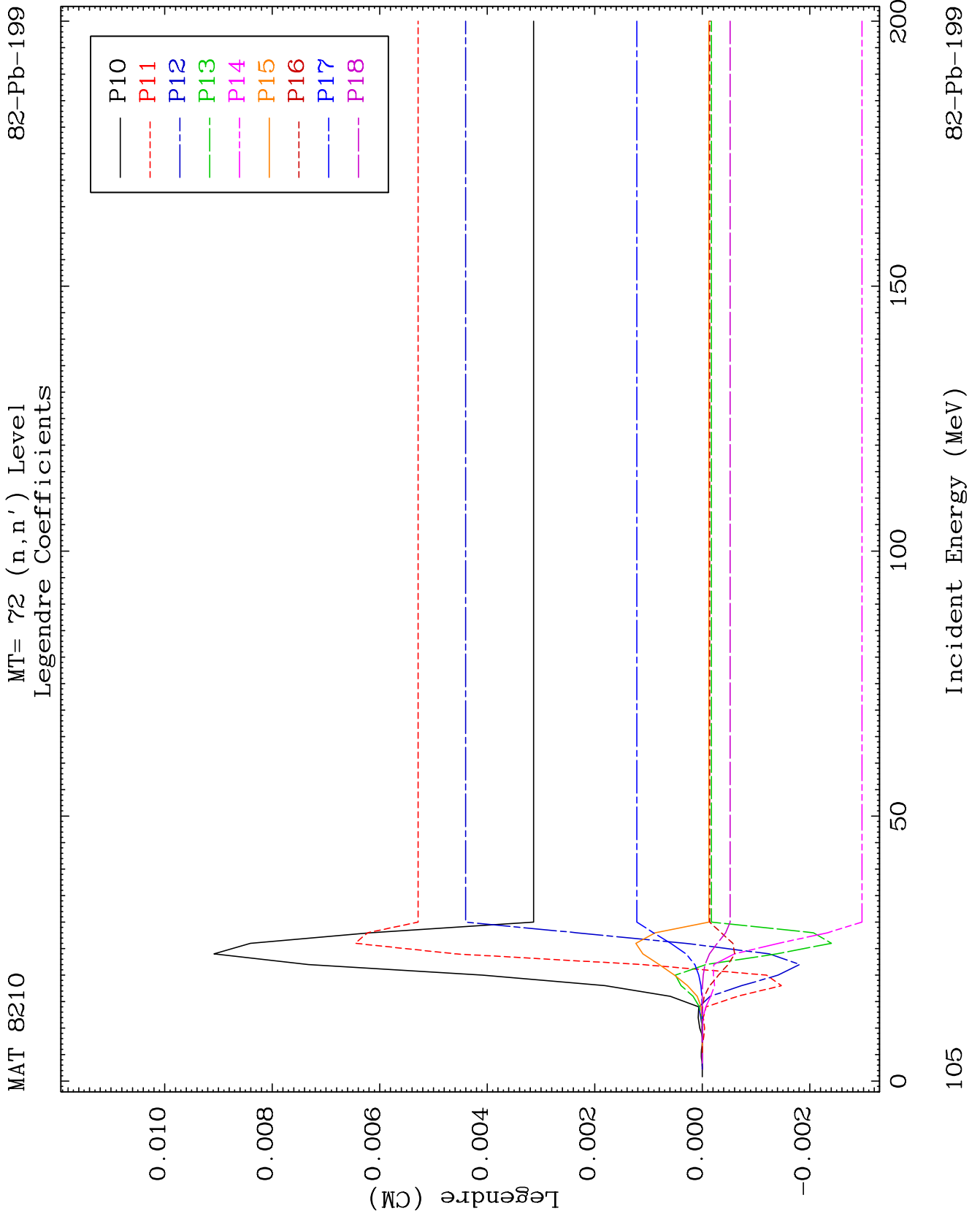
MT= 72 (n,n') Level
Legendre Coefficients

82-Pb-199



104

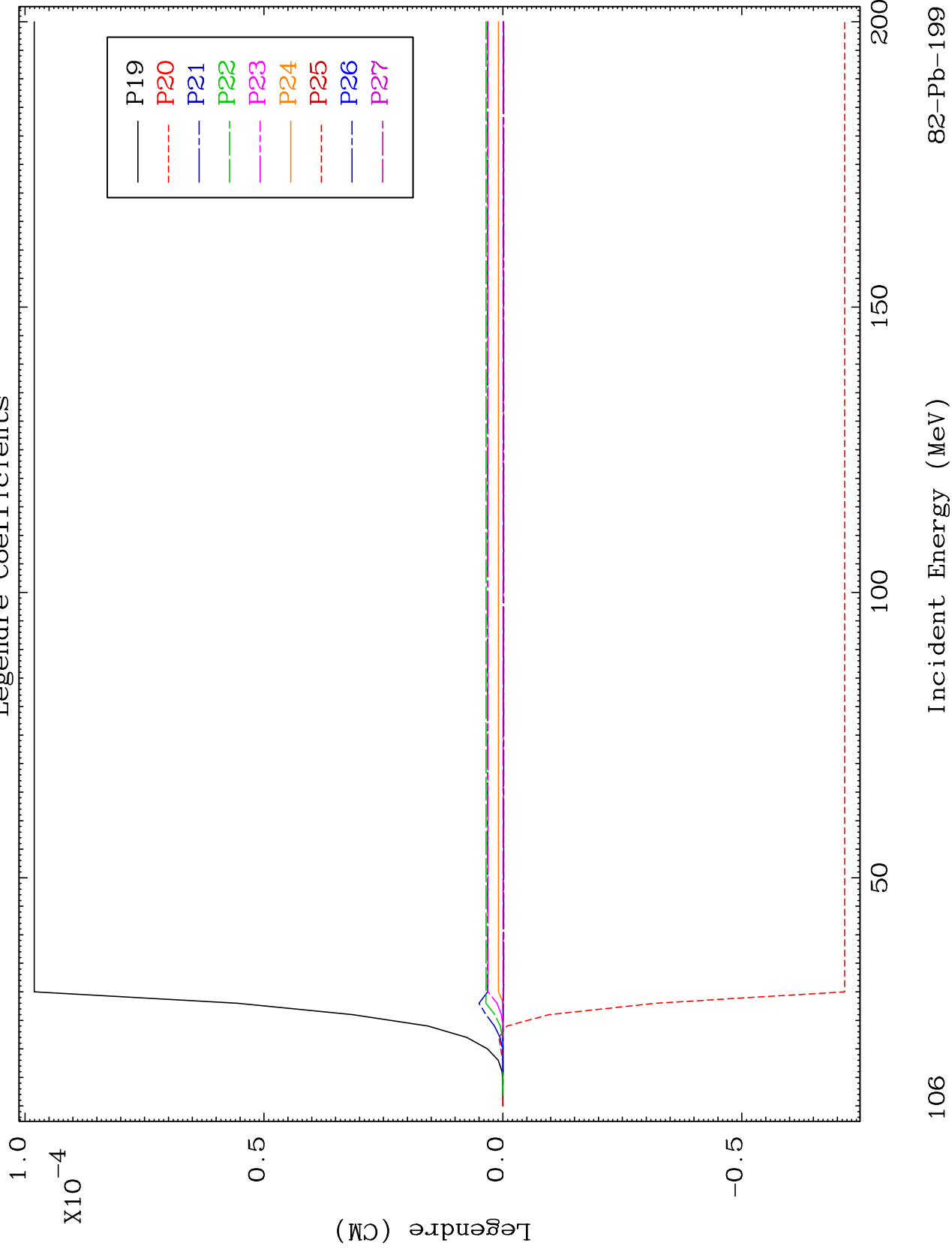
82-Pb-199

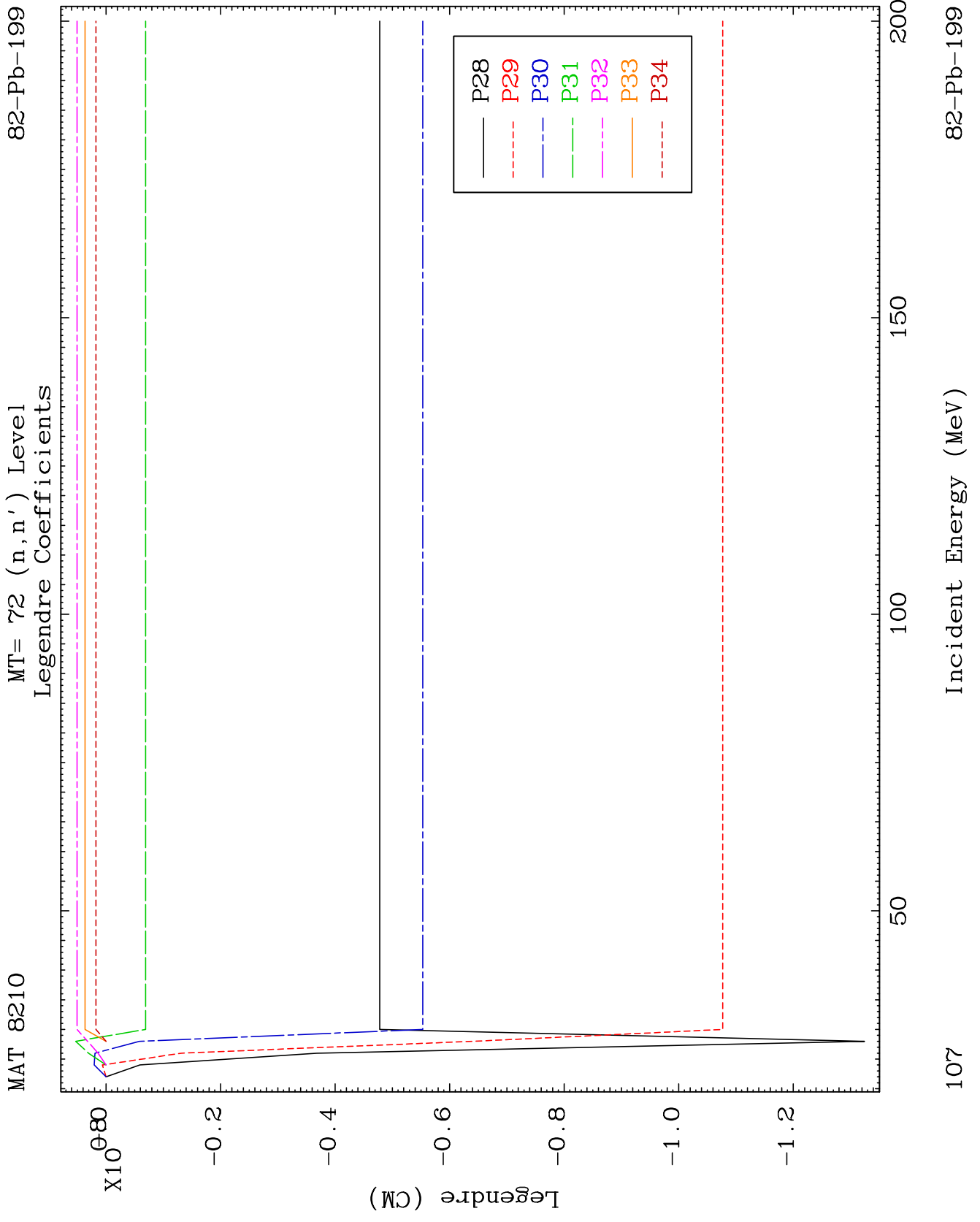


MAT 8210

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

82-Pb-199

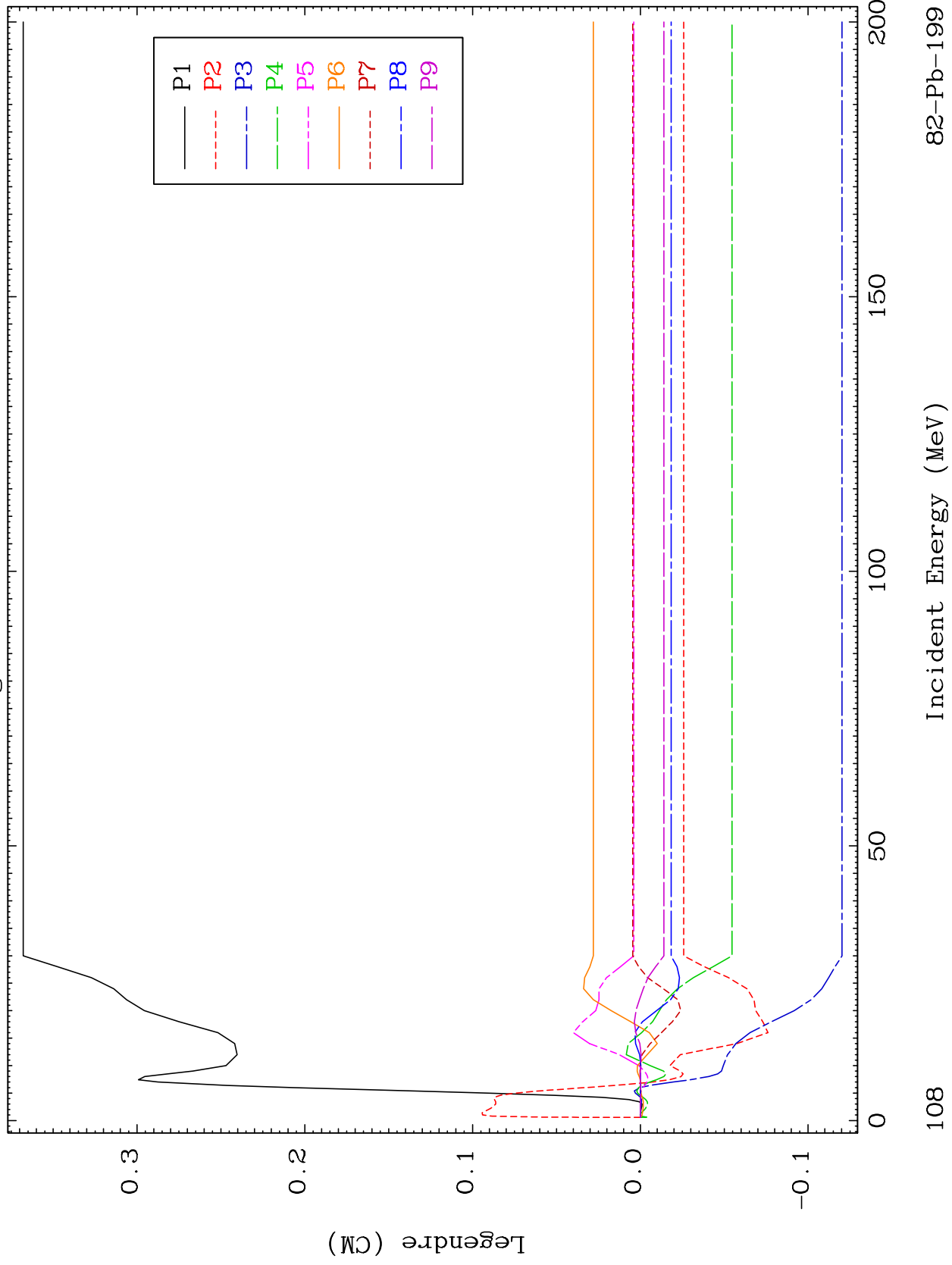




MAT 8210

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

82-Pb-199

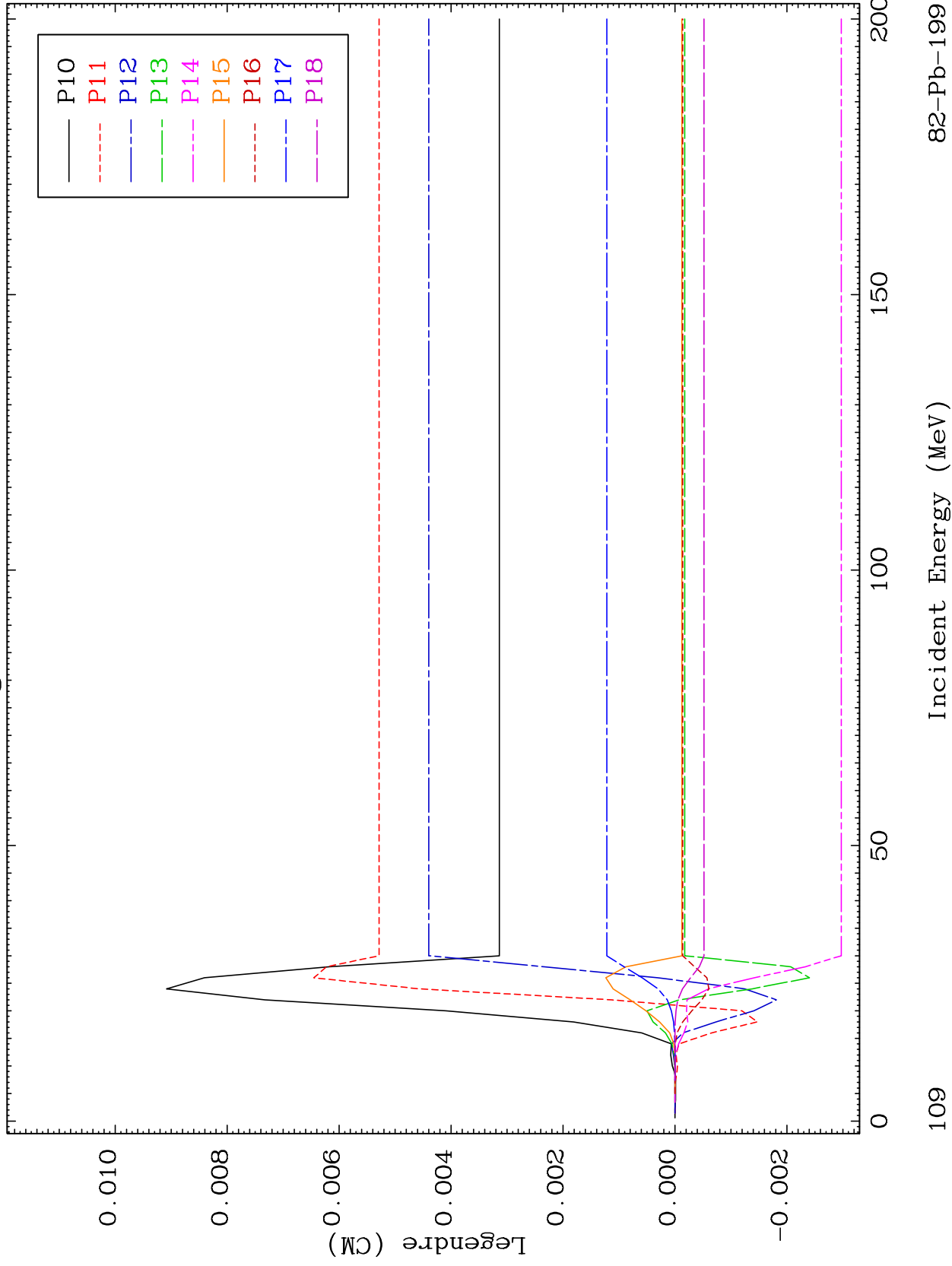


108

MAT 8210

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

82-Pb-199



109

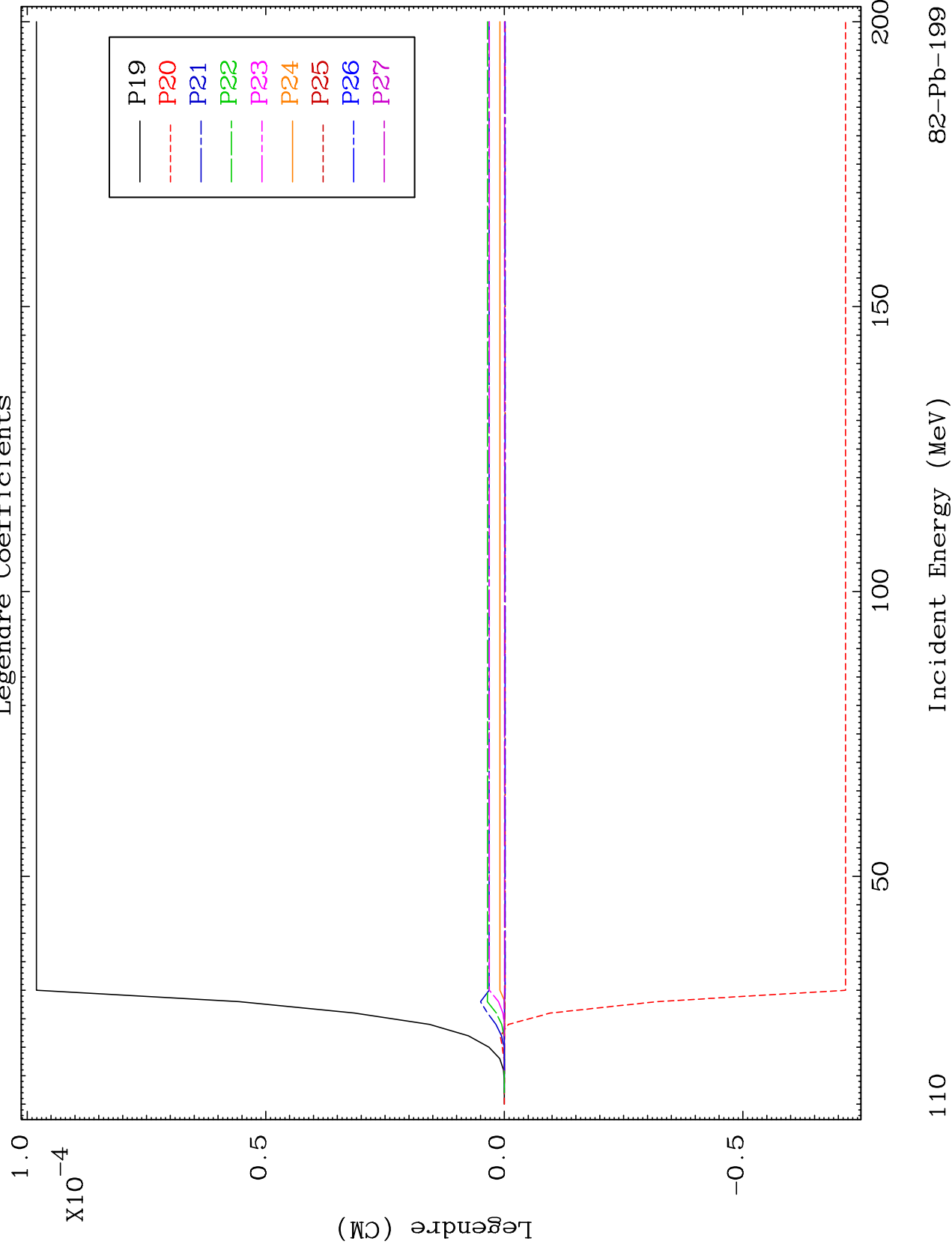
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

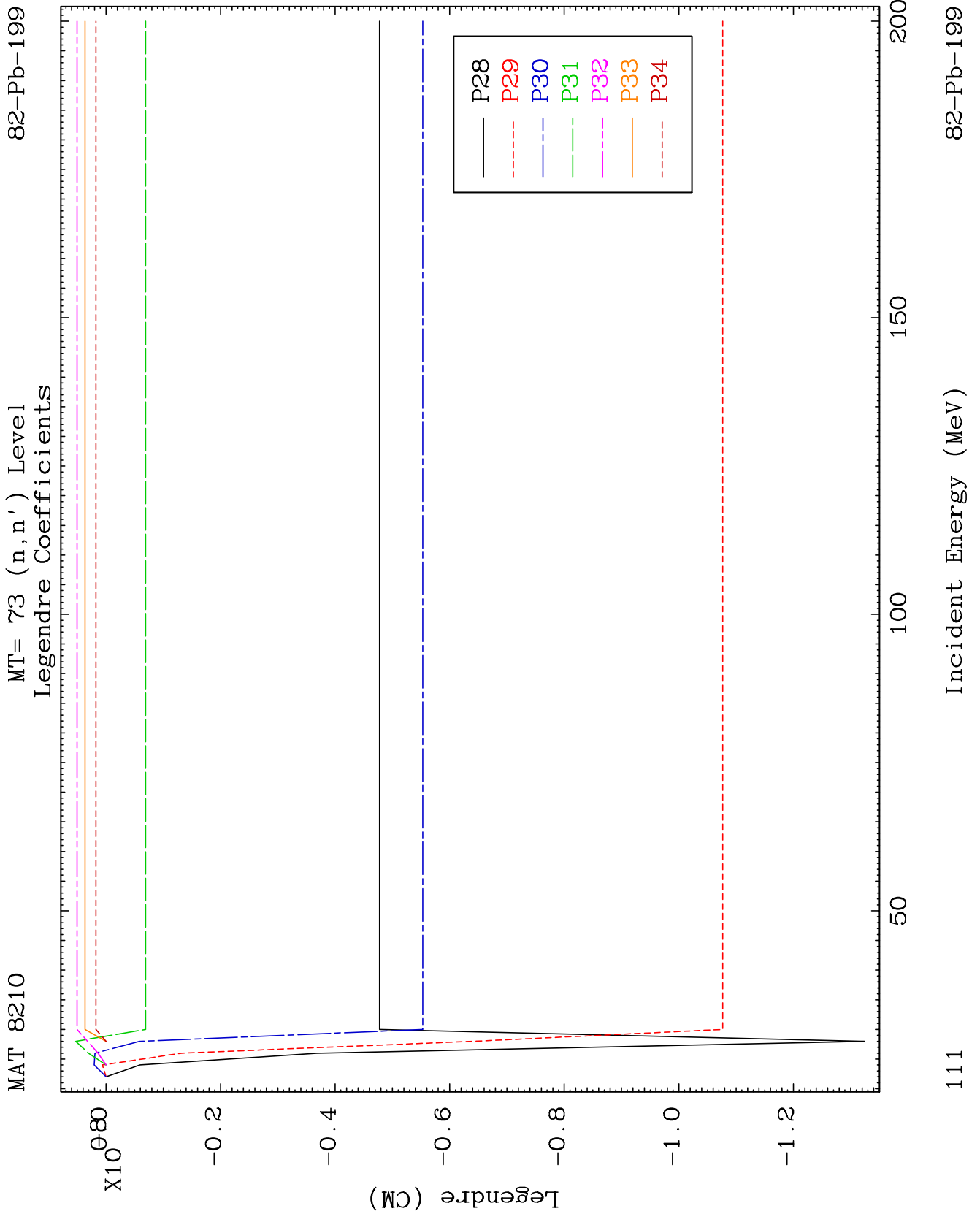
82-Pb-199



110

Incident Energy (MeV)

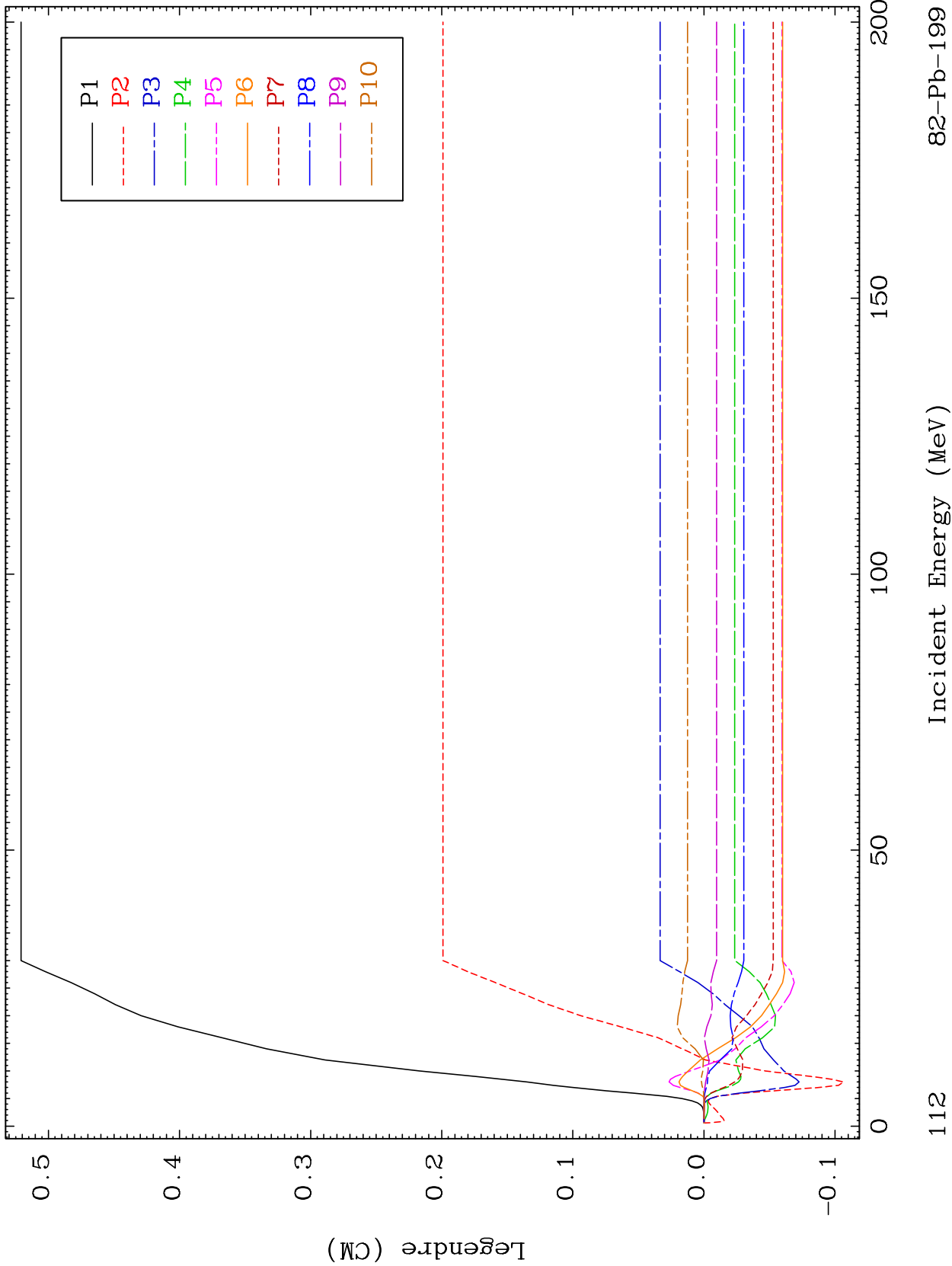
82-Pb-199



MAT 8210

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

82-Pb-199



112

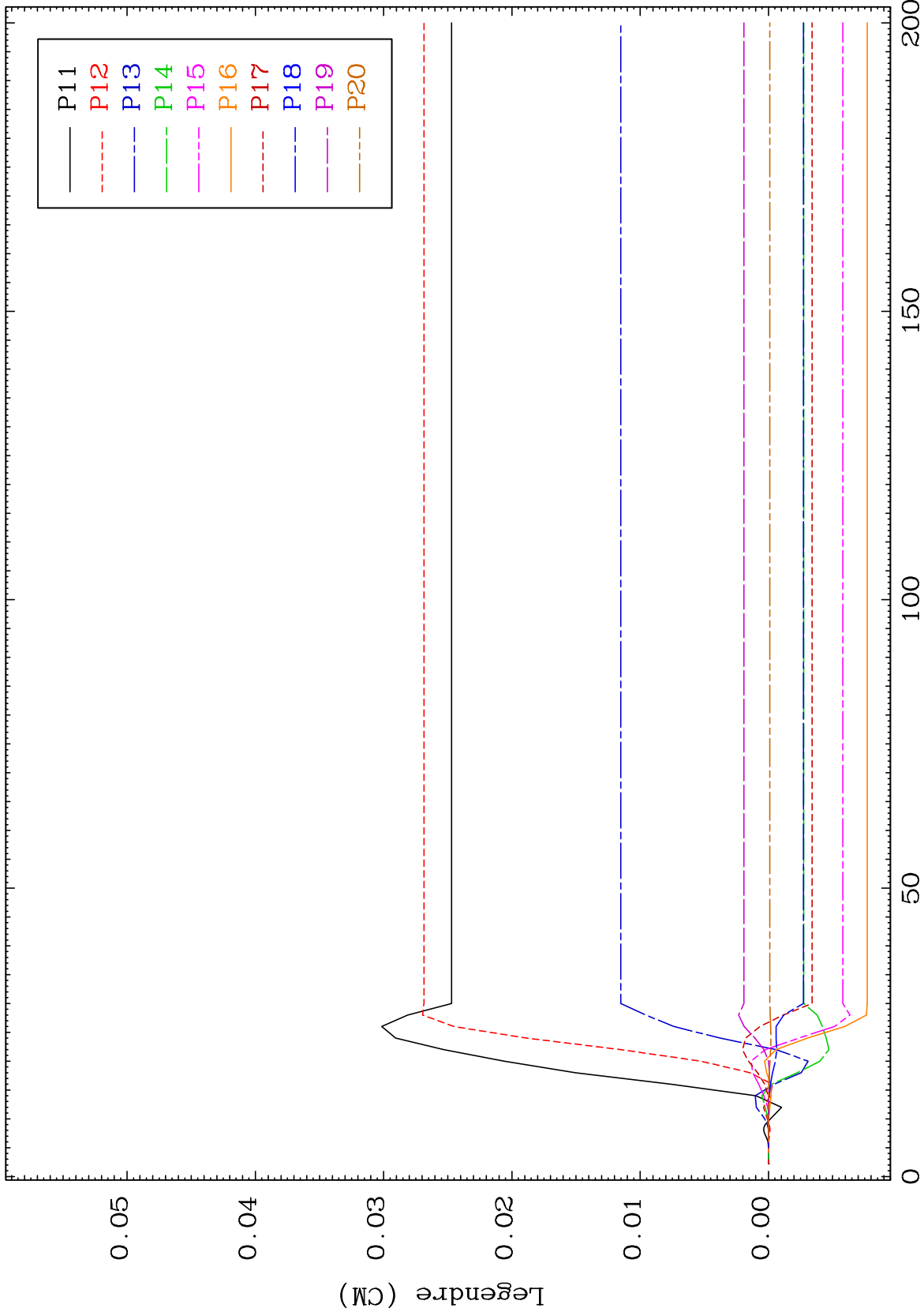
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

82-Pb-199



113

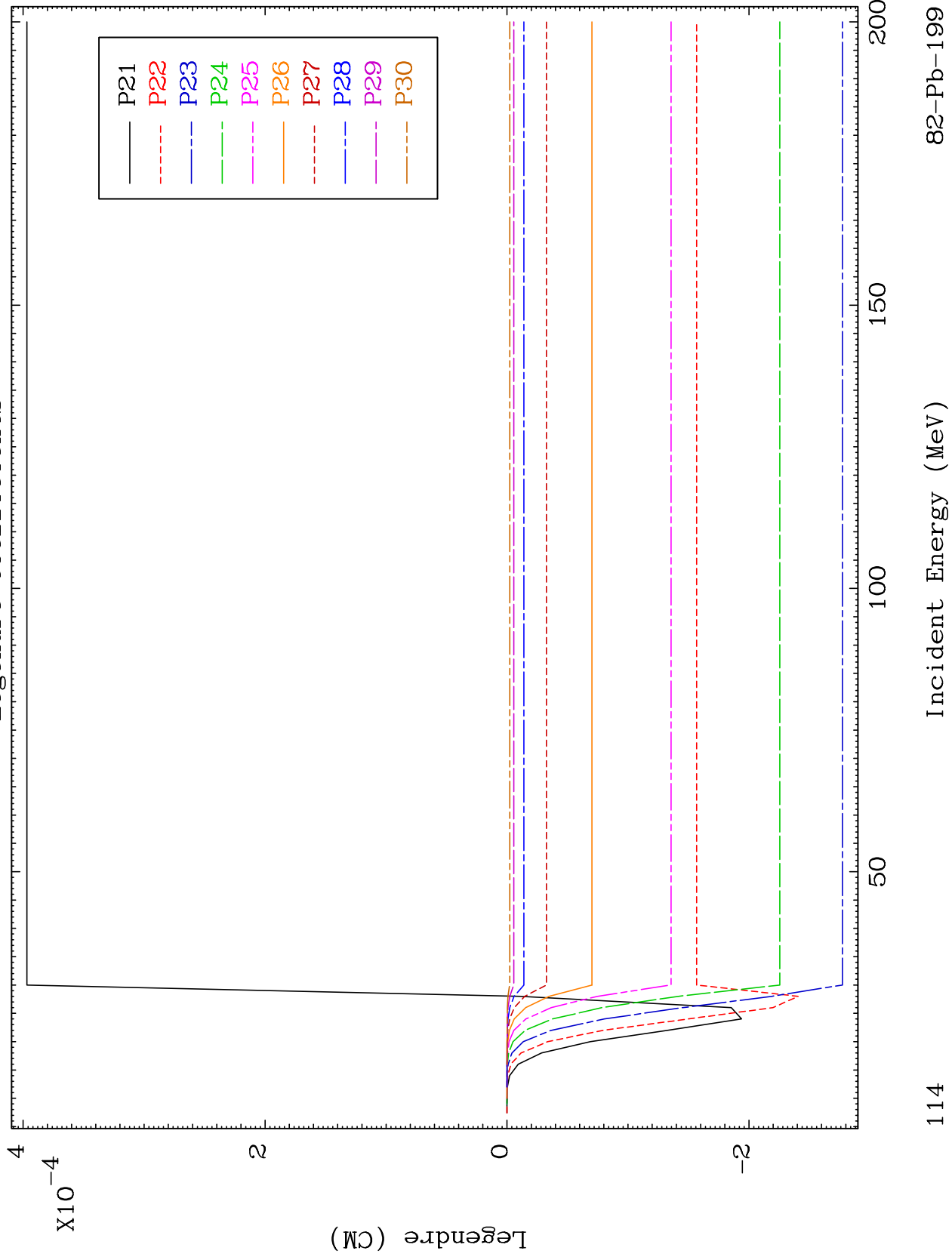
Incident Energy (MeV)

82-Pb-199

MAT 8210

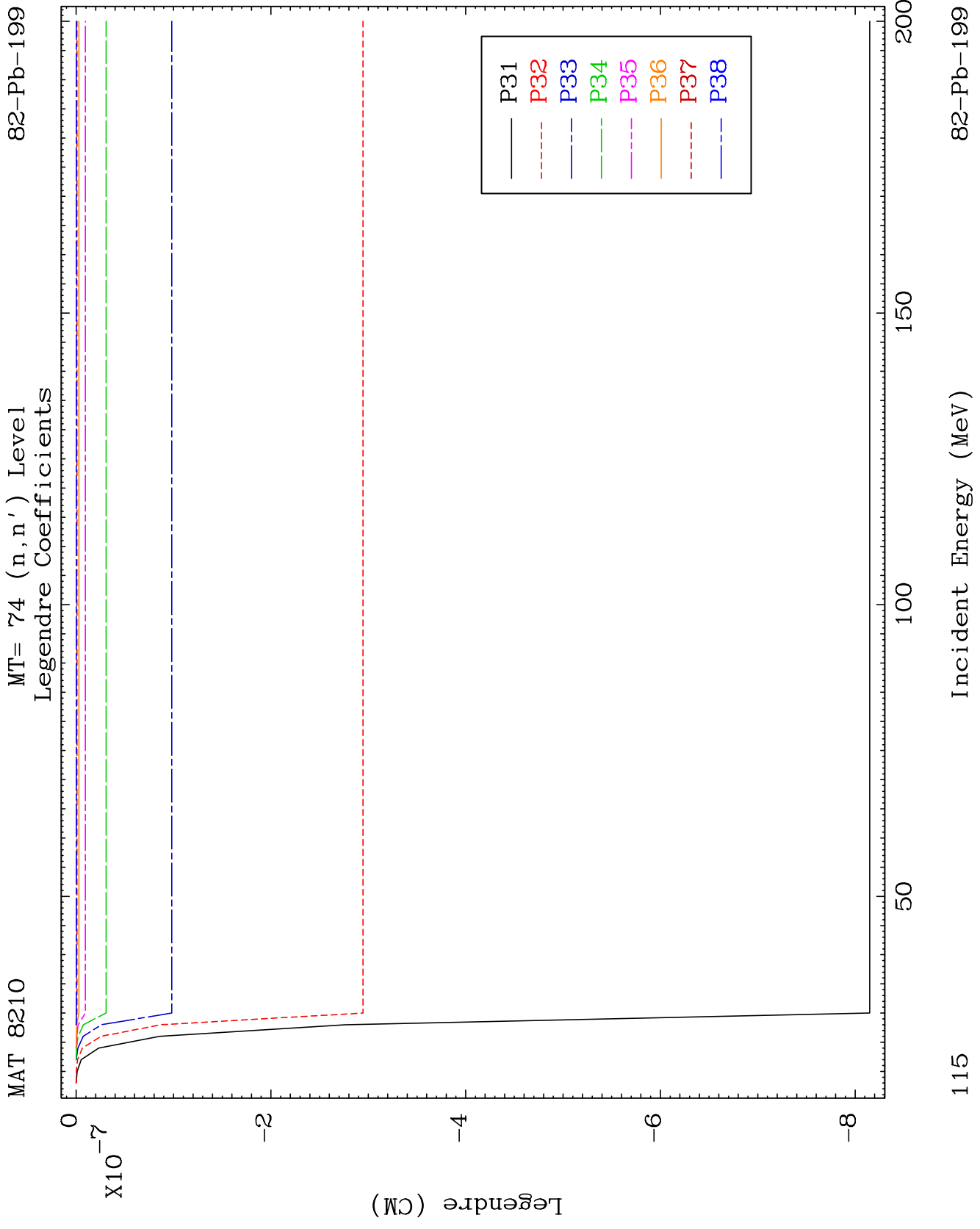
MT= 74 (n,n') Level
Legendre Coefficients

82-Pb-199



114

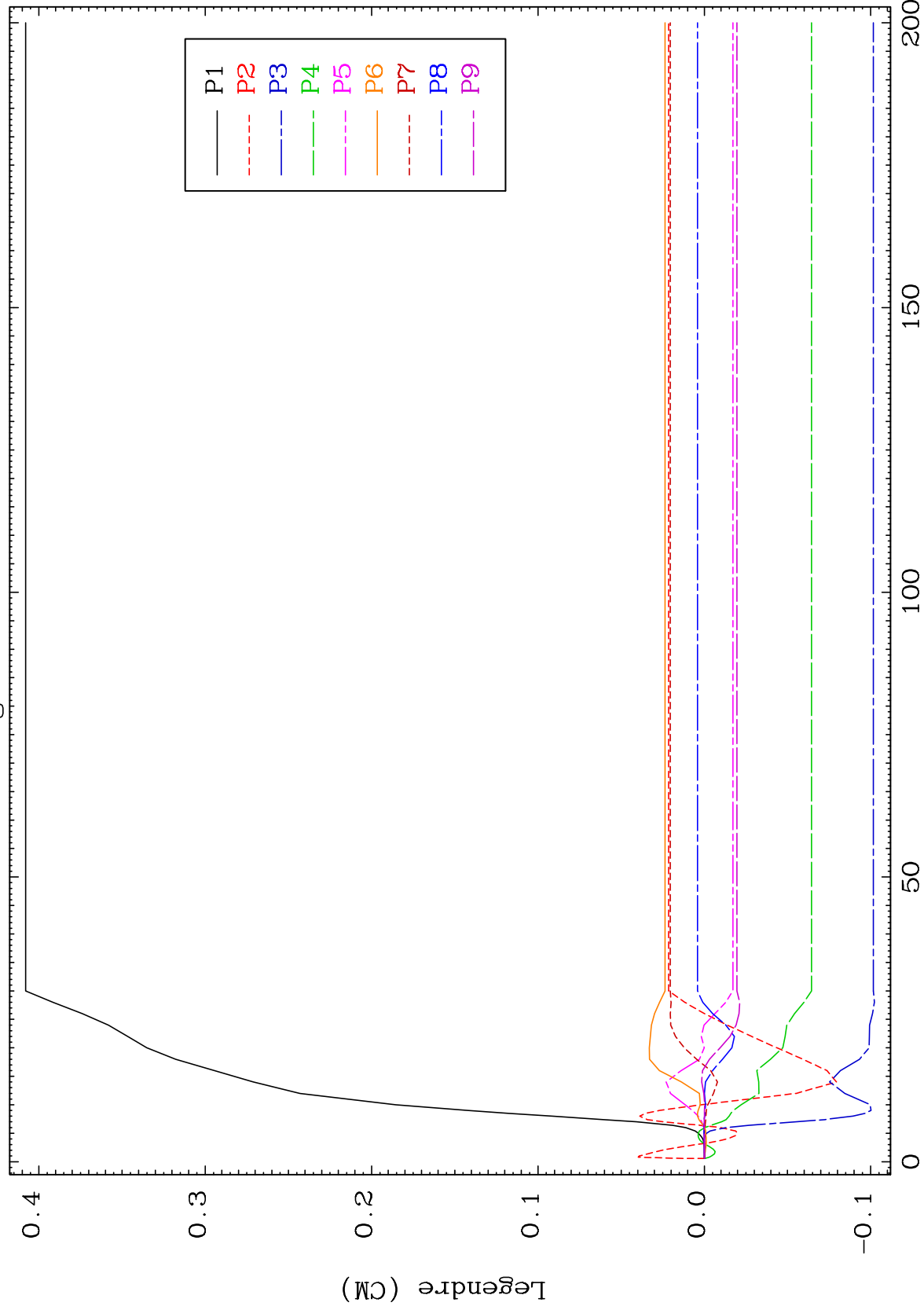
82-Pb-199



MAT 8210

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

82-Pb-199



116

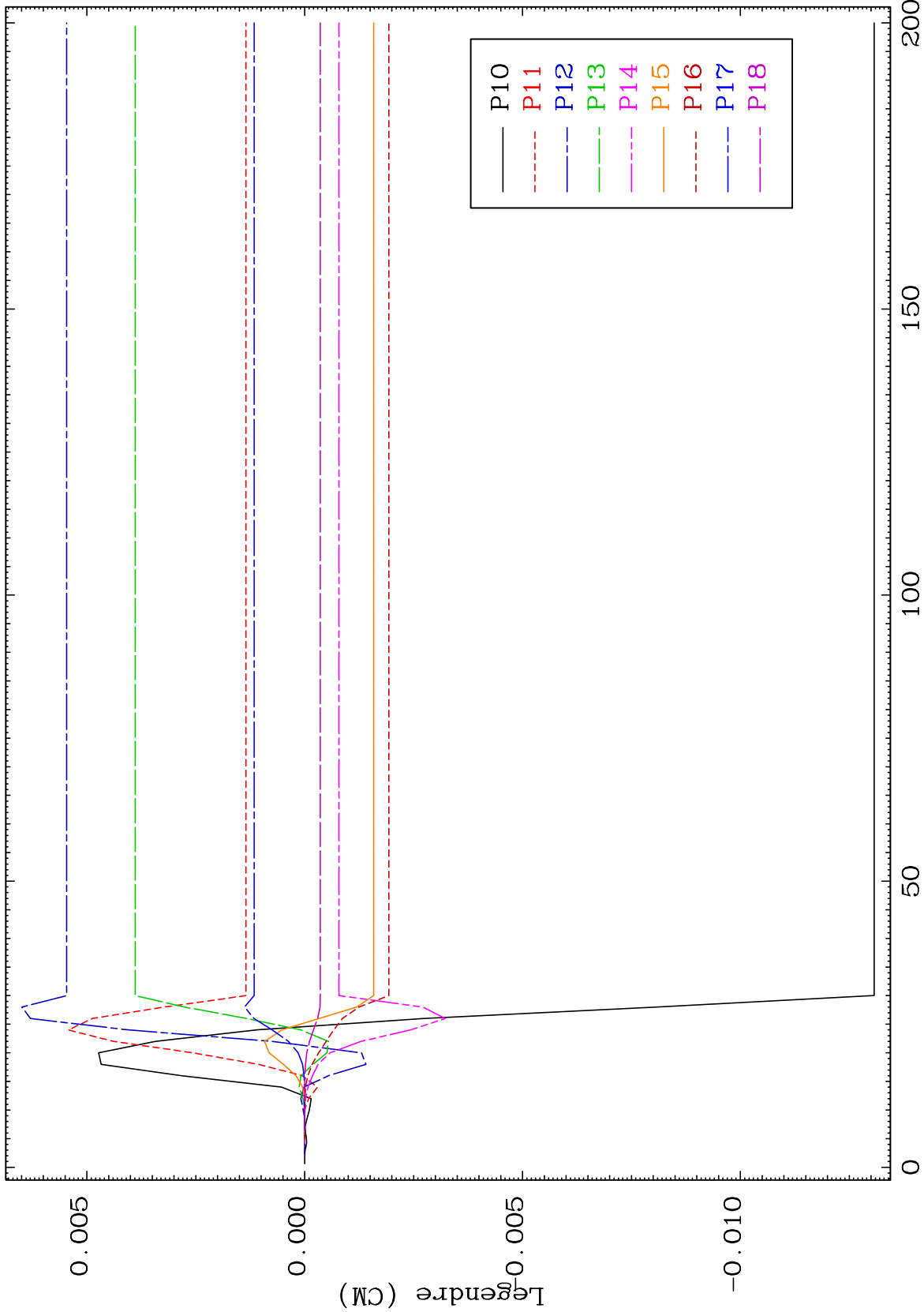
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

82-Pb-199



117

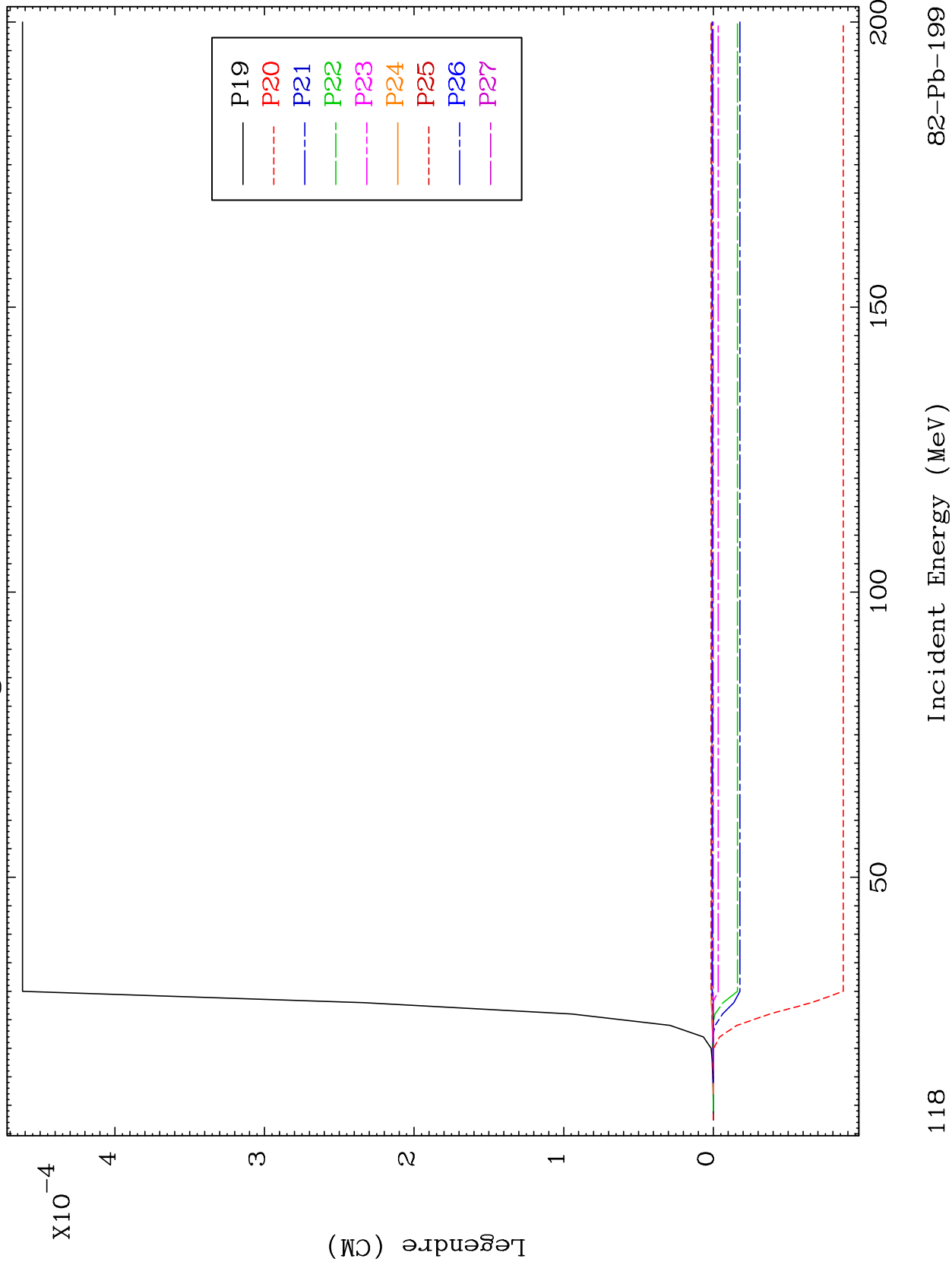
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

82-Pb-199



118

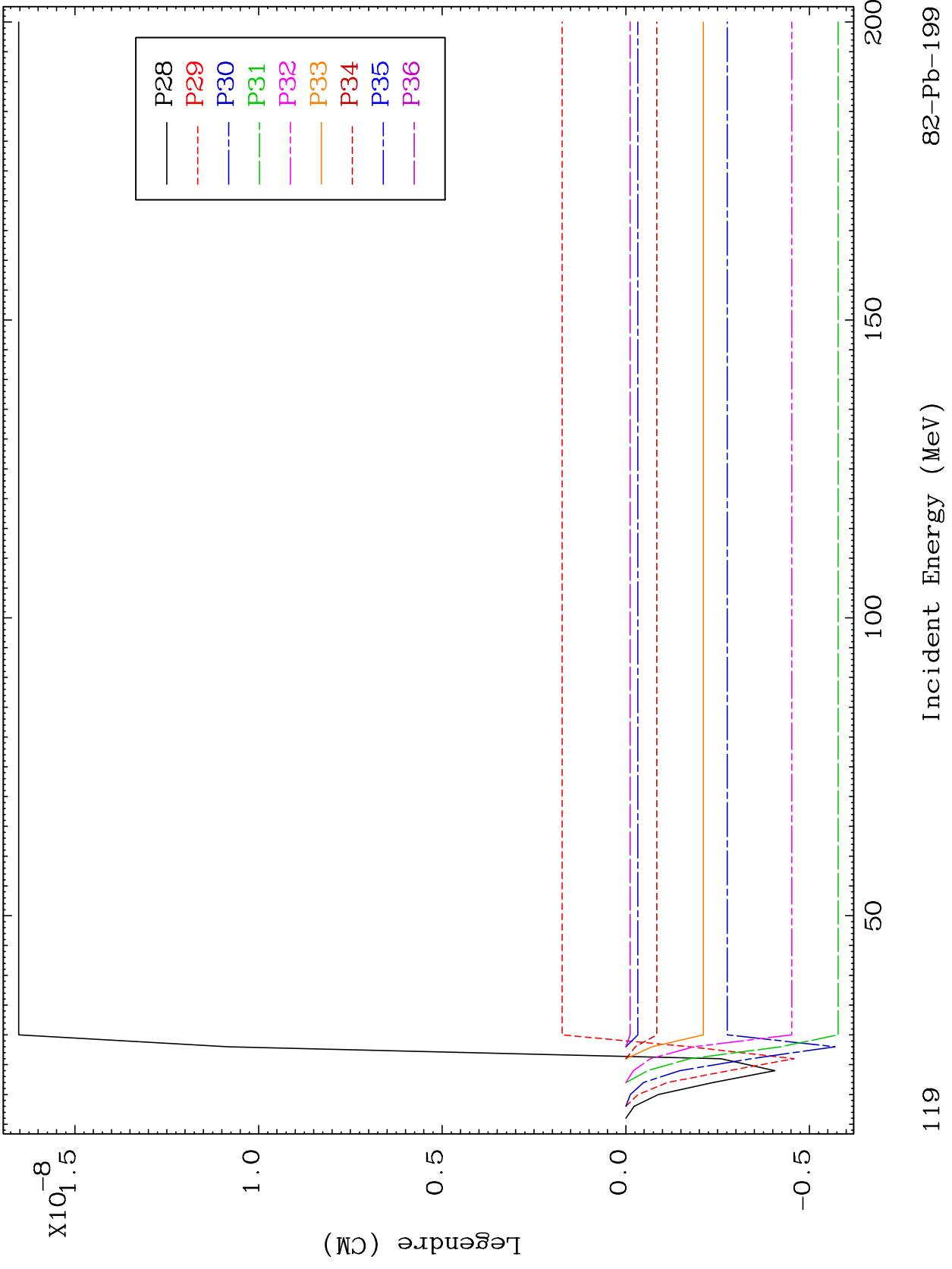
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

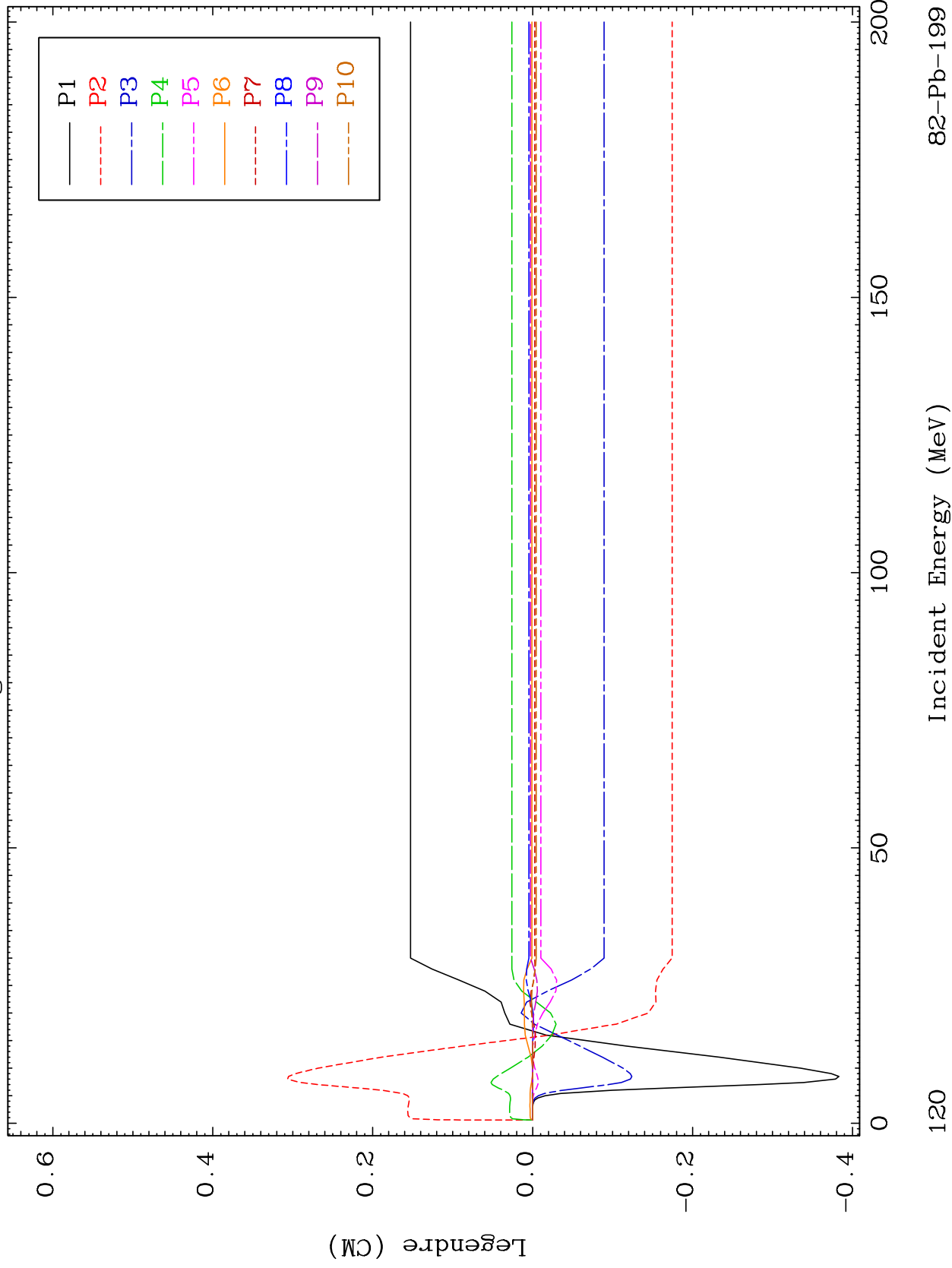
82-Pb-199



MAT 8210

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

82-Pb-199



82-Pb-199

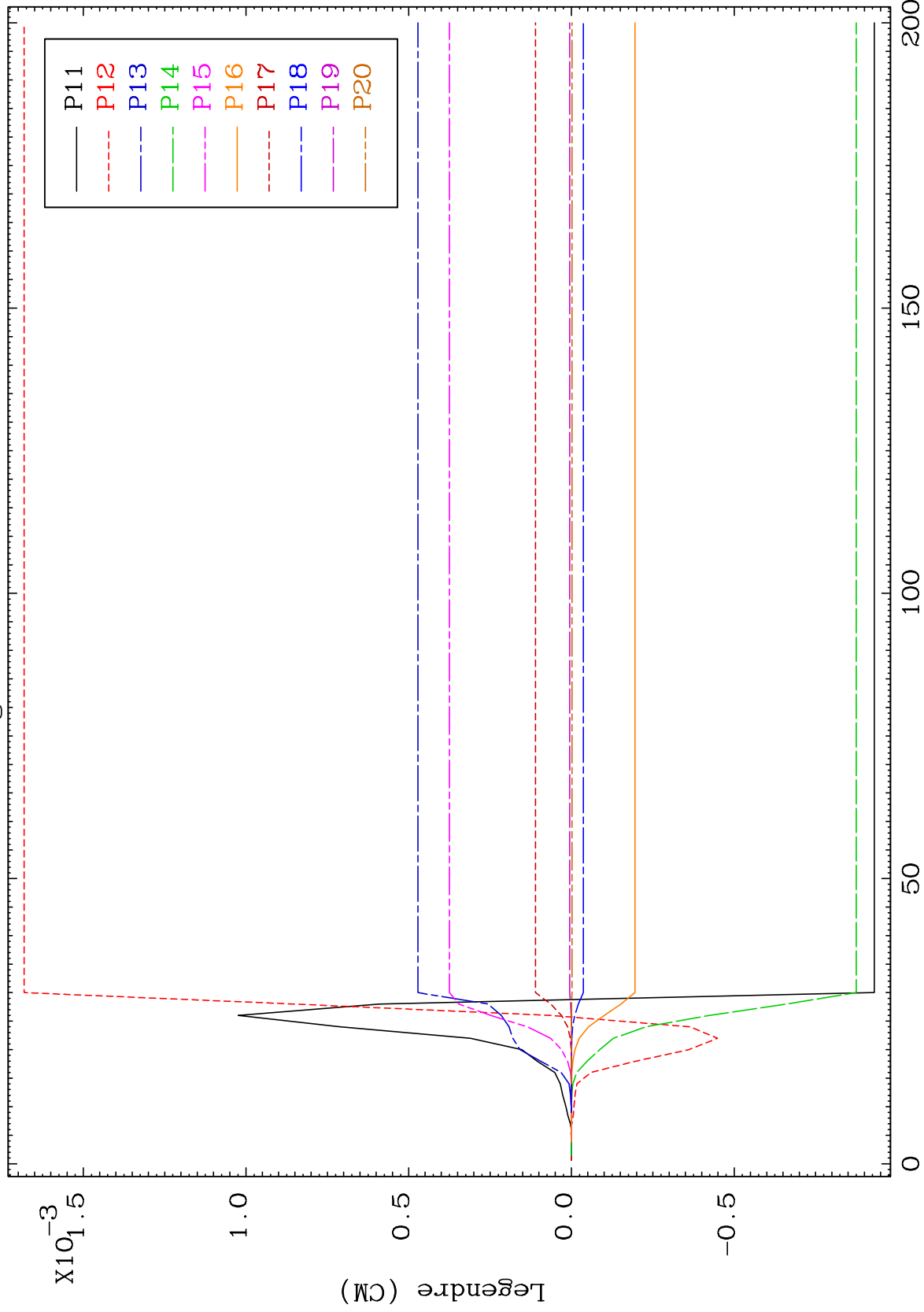
Incident Energy (MeV)

120

MAT 8210

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

82-Pb-199



121

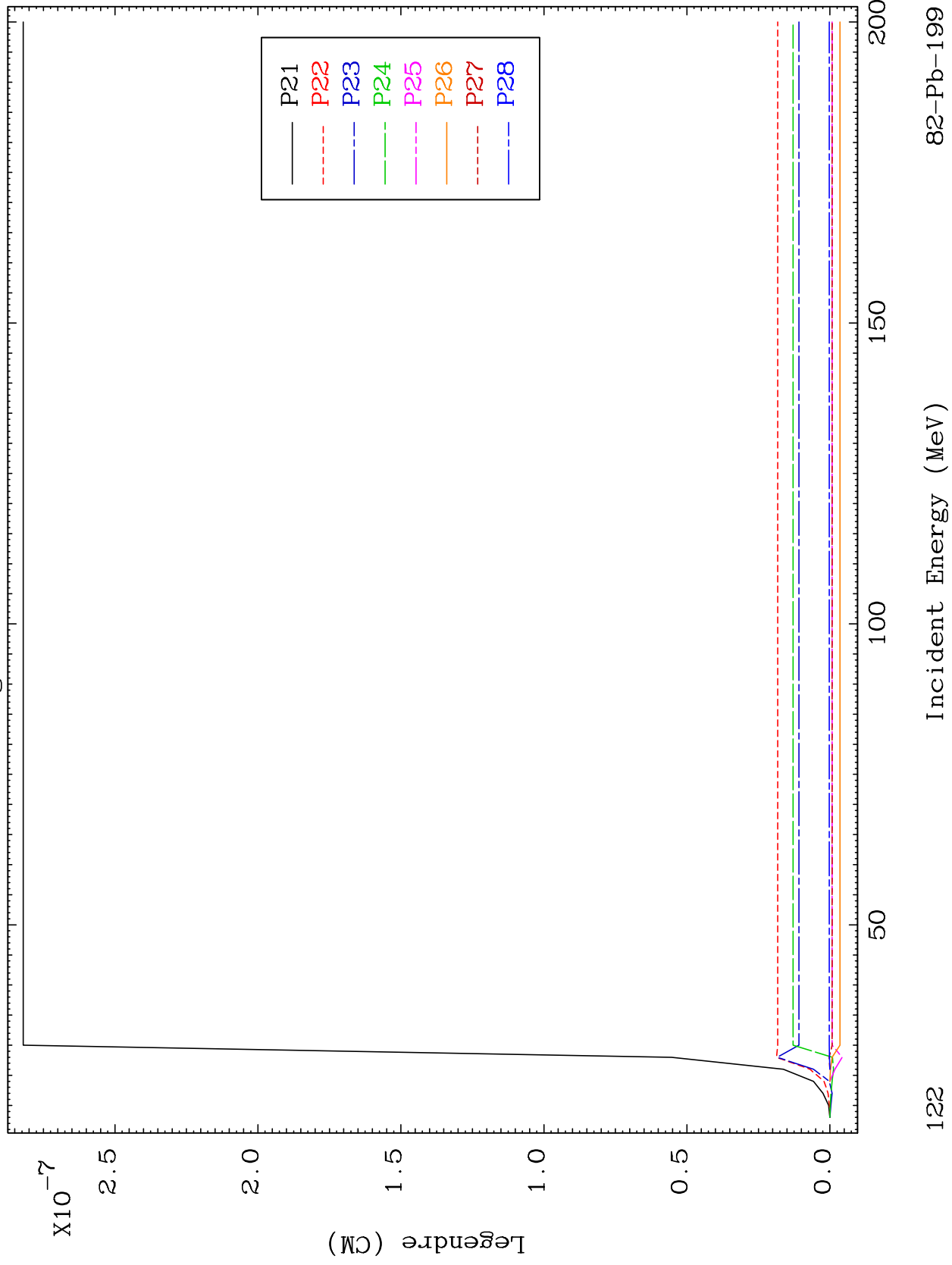
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

82-Pb-199



122

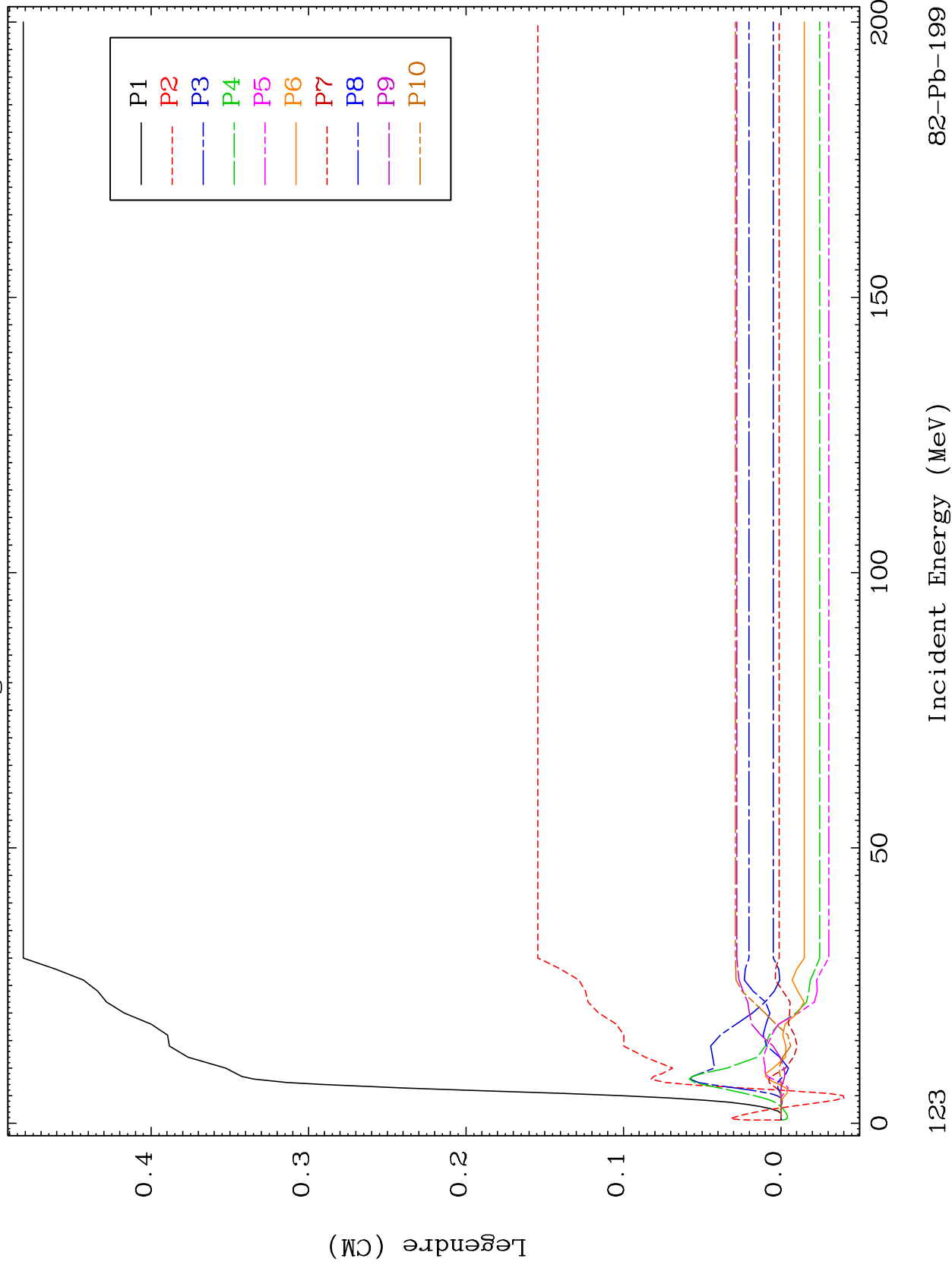
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

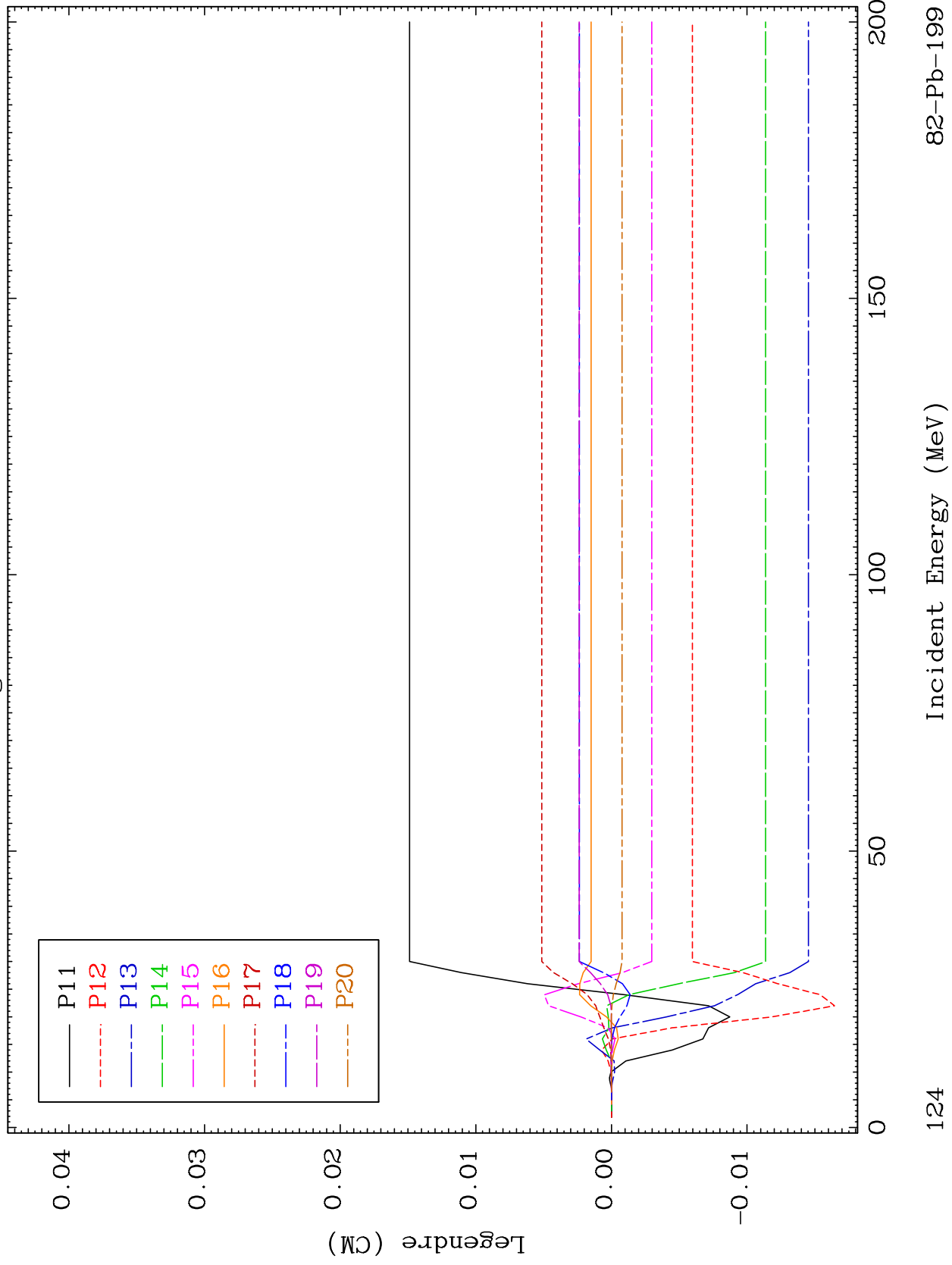
82-Pb-199



MAT 8210

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

82-Pb-199



124

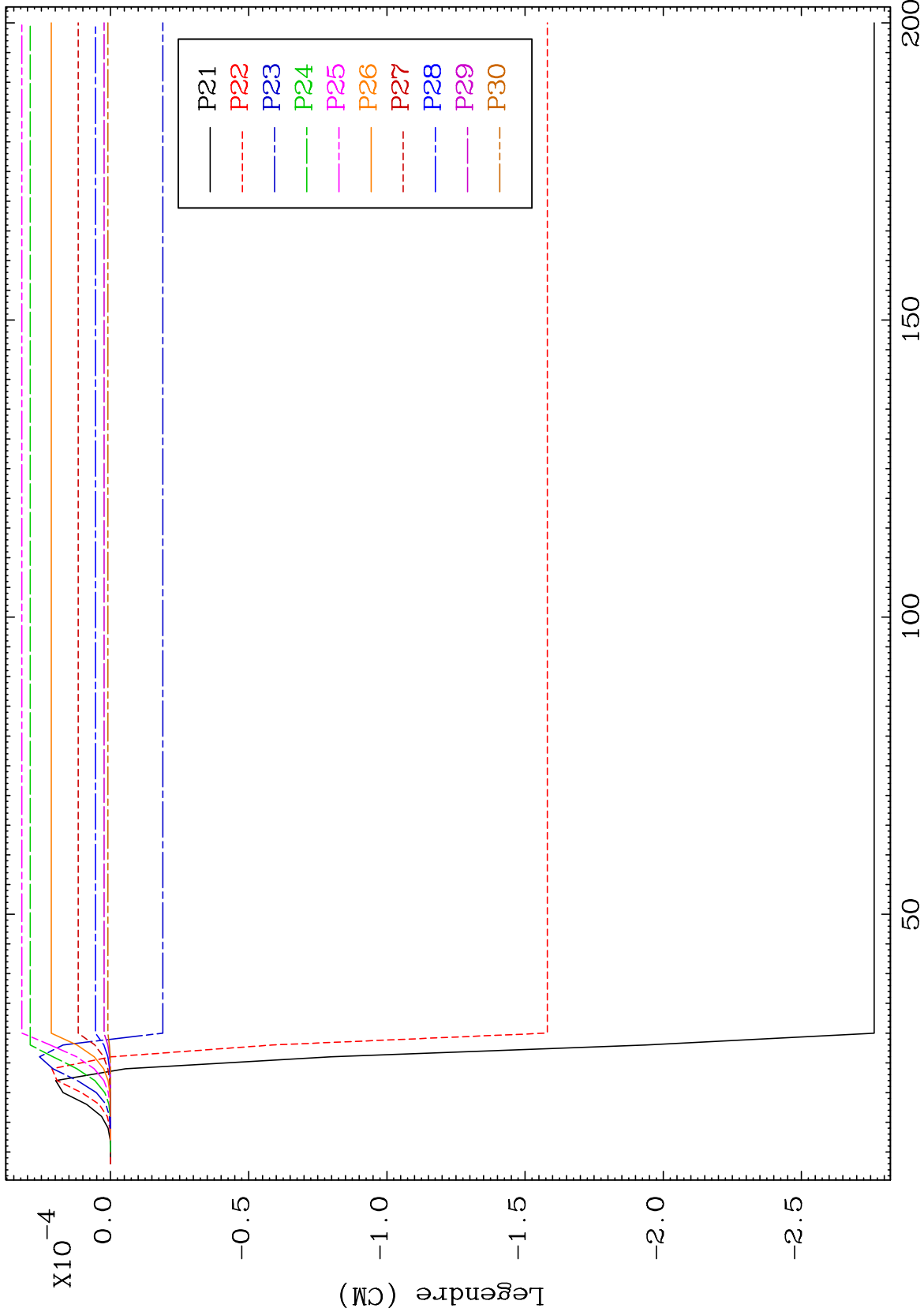
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

82-Pb-199



125

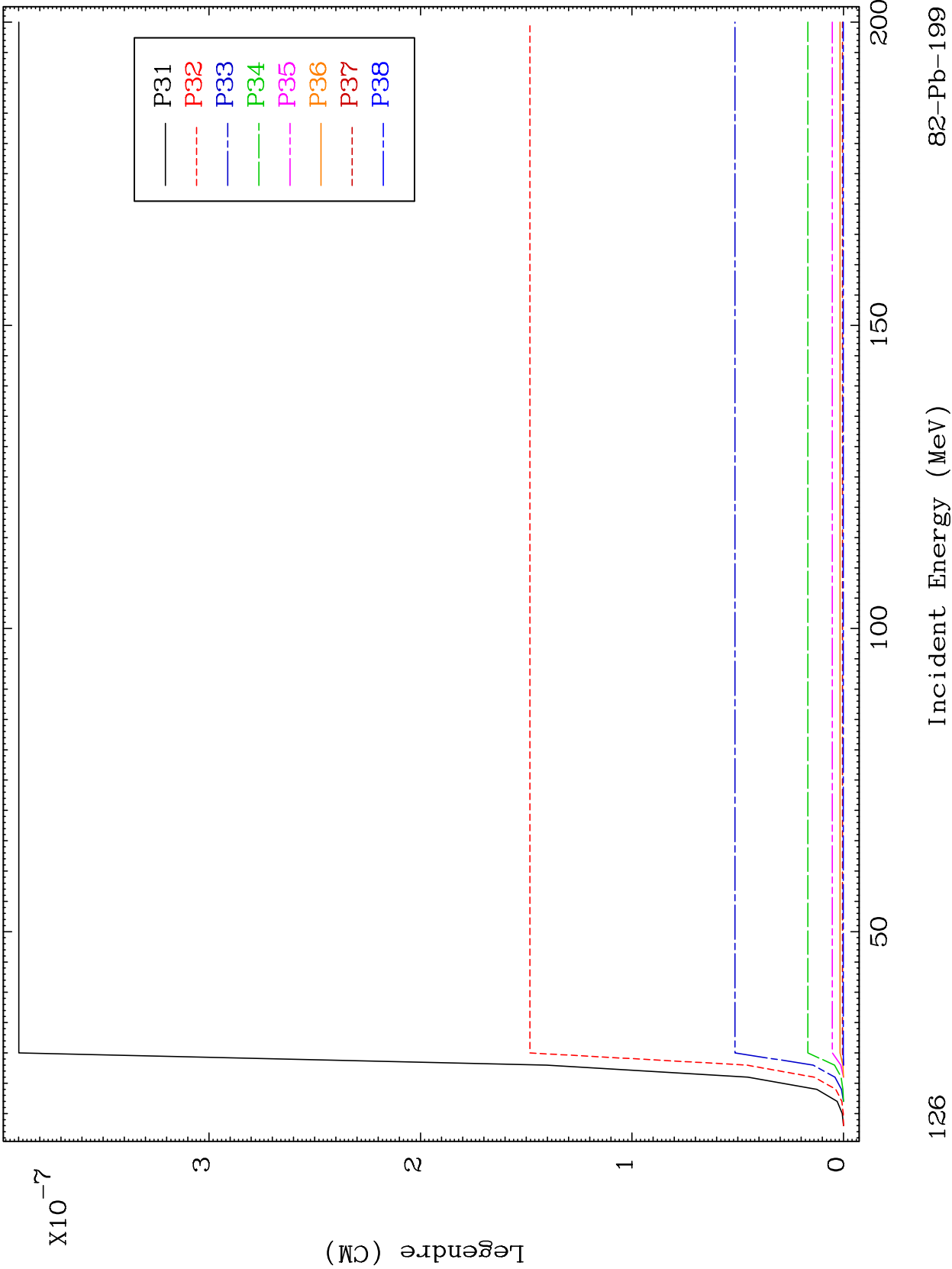
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

82-Pb-199

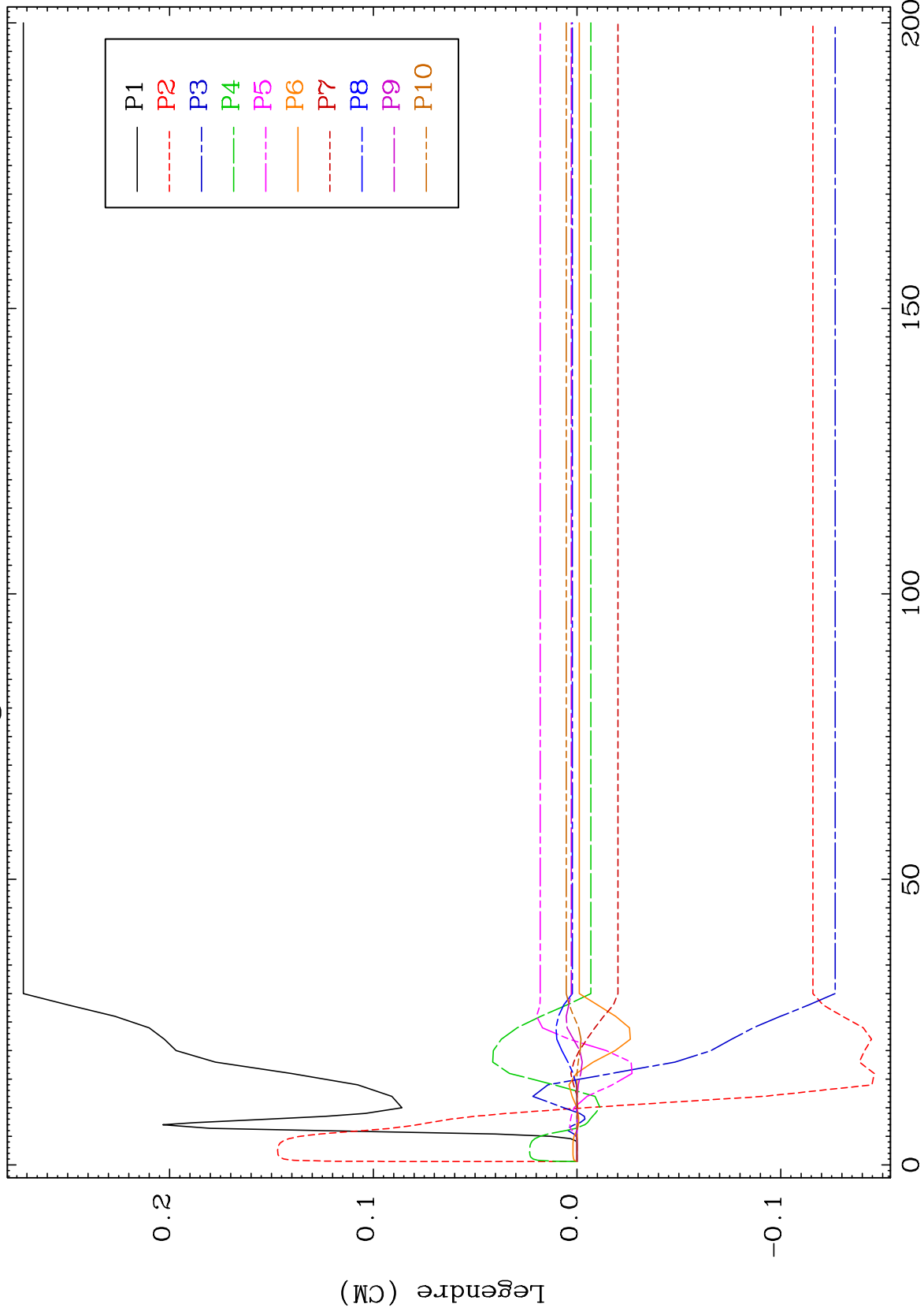


126

MAT 8210

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

82-Pb-199



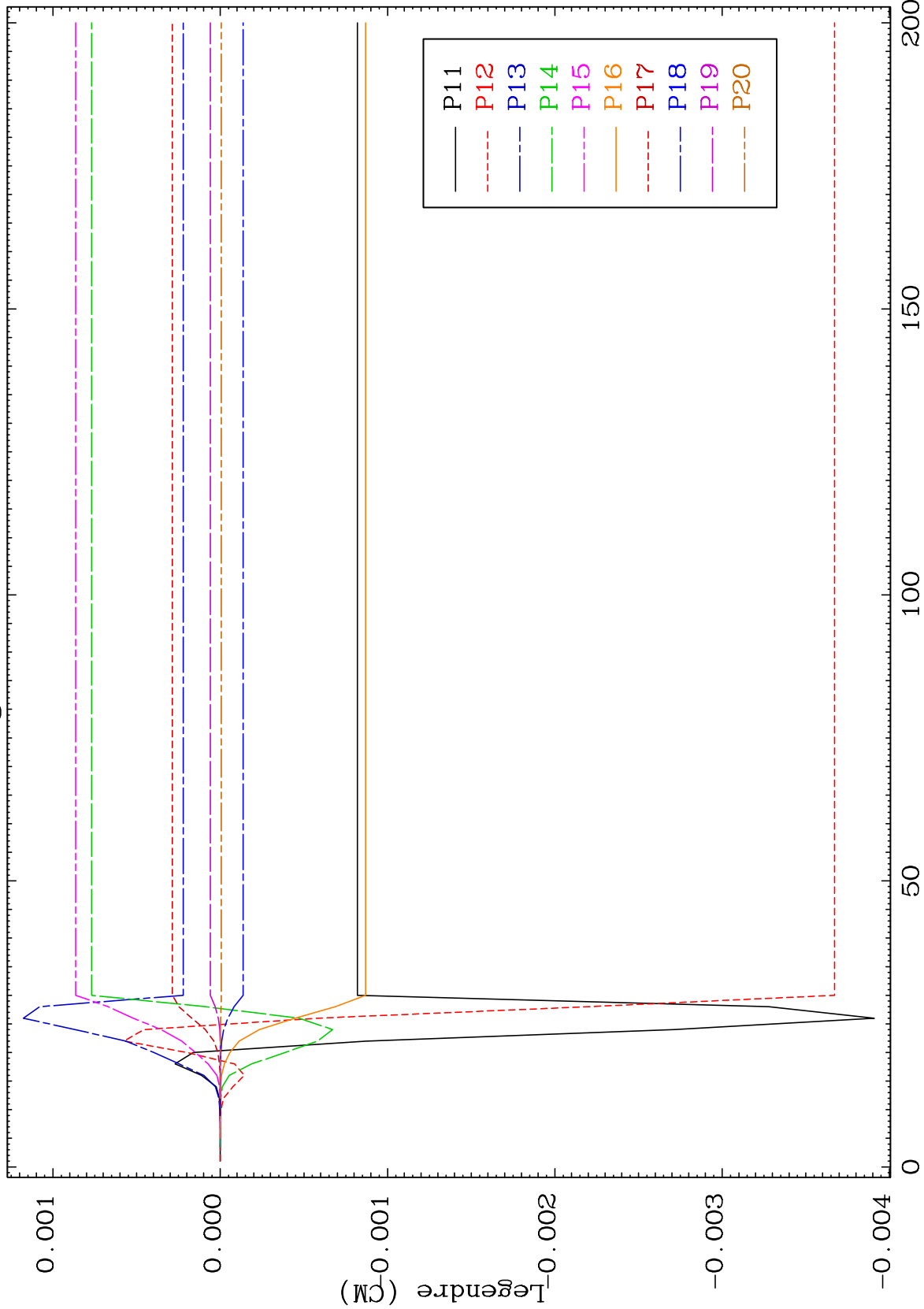
127

82-Pb-199

MAT 8210

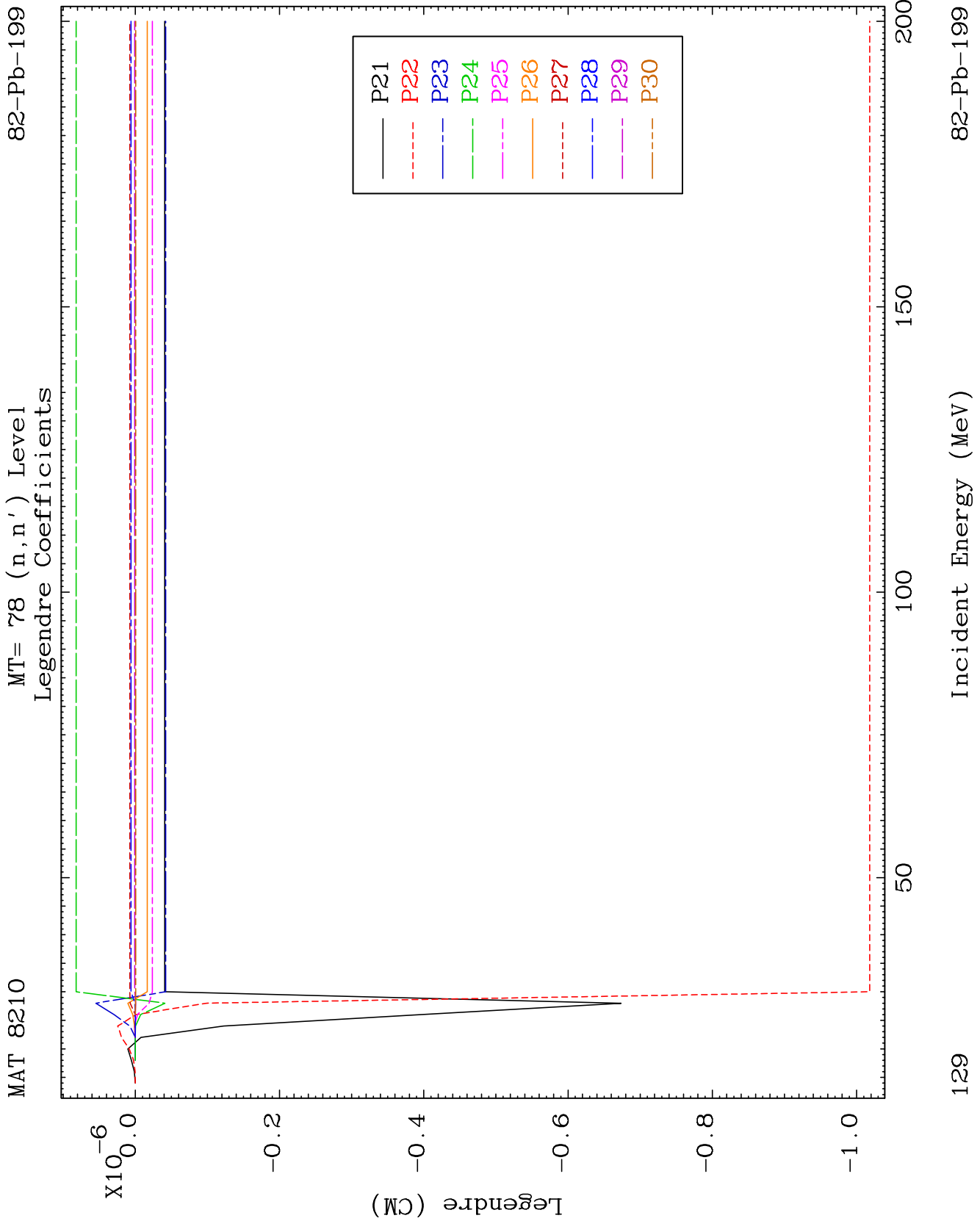
MT= 78 (n,n') Level
Legendre Coefficients

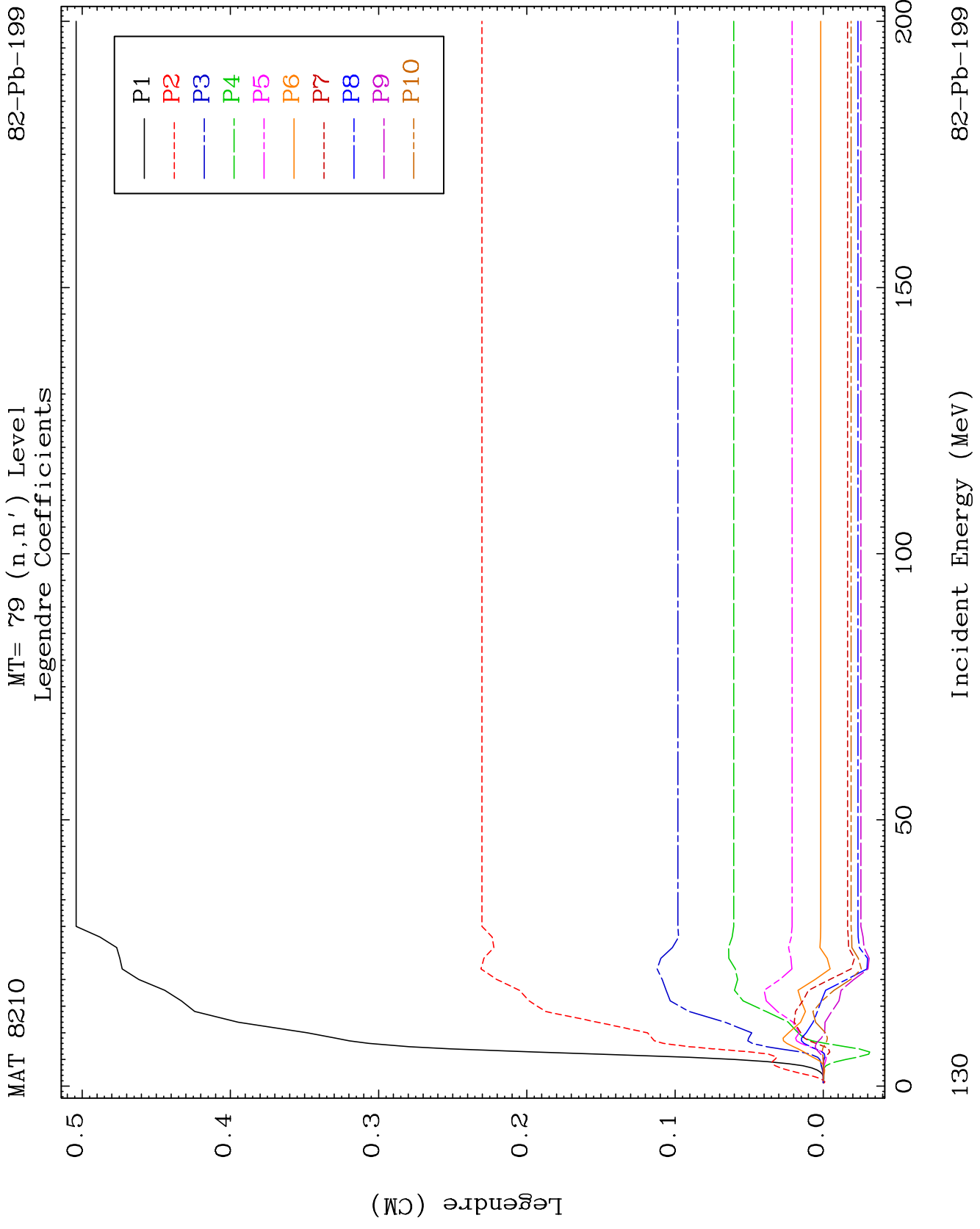
82-Pb-199



128

82-Pb-199

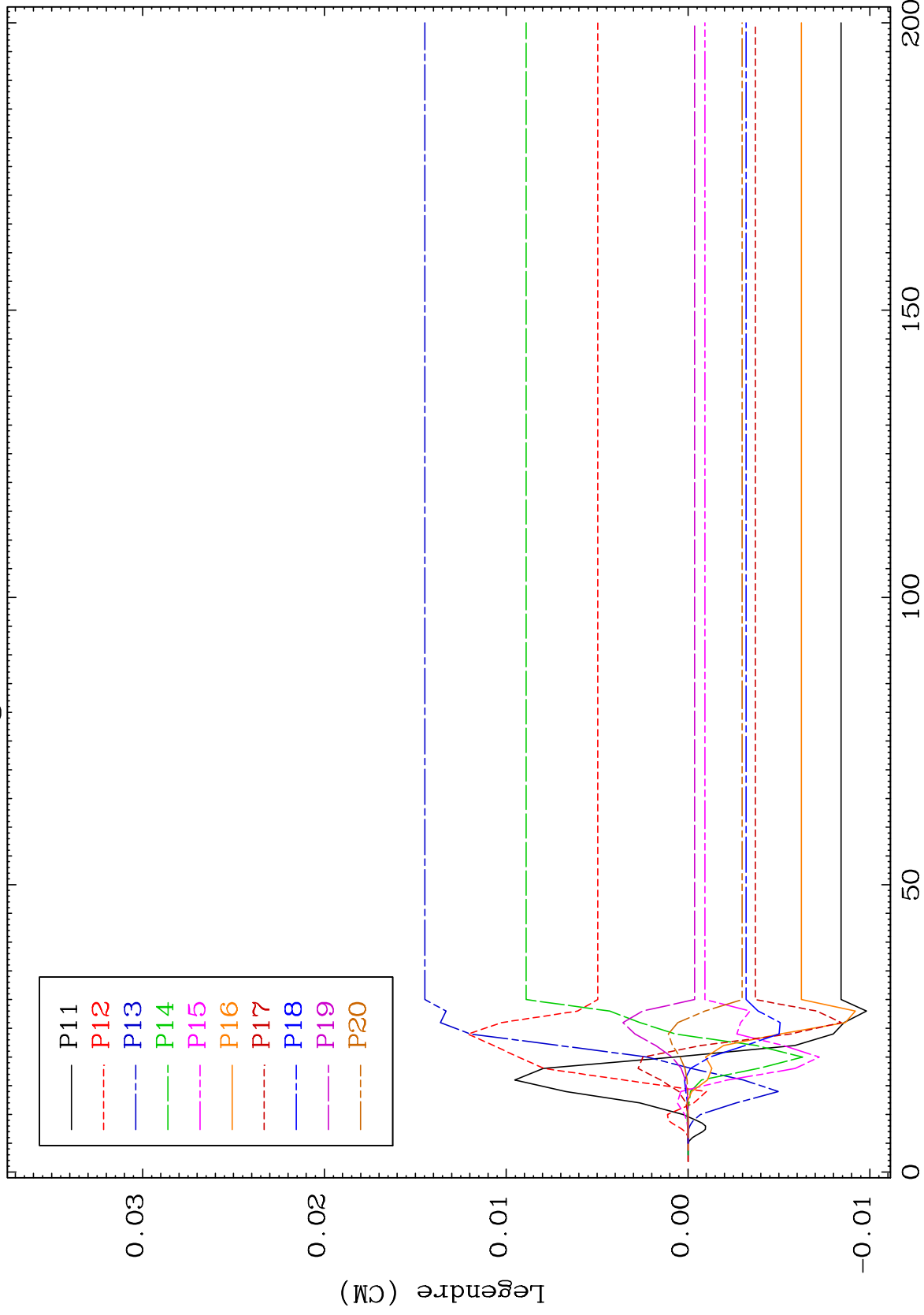




MAT 8210

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

82-Pb-199



131

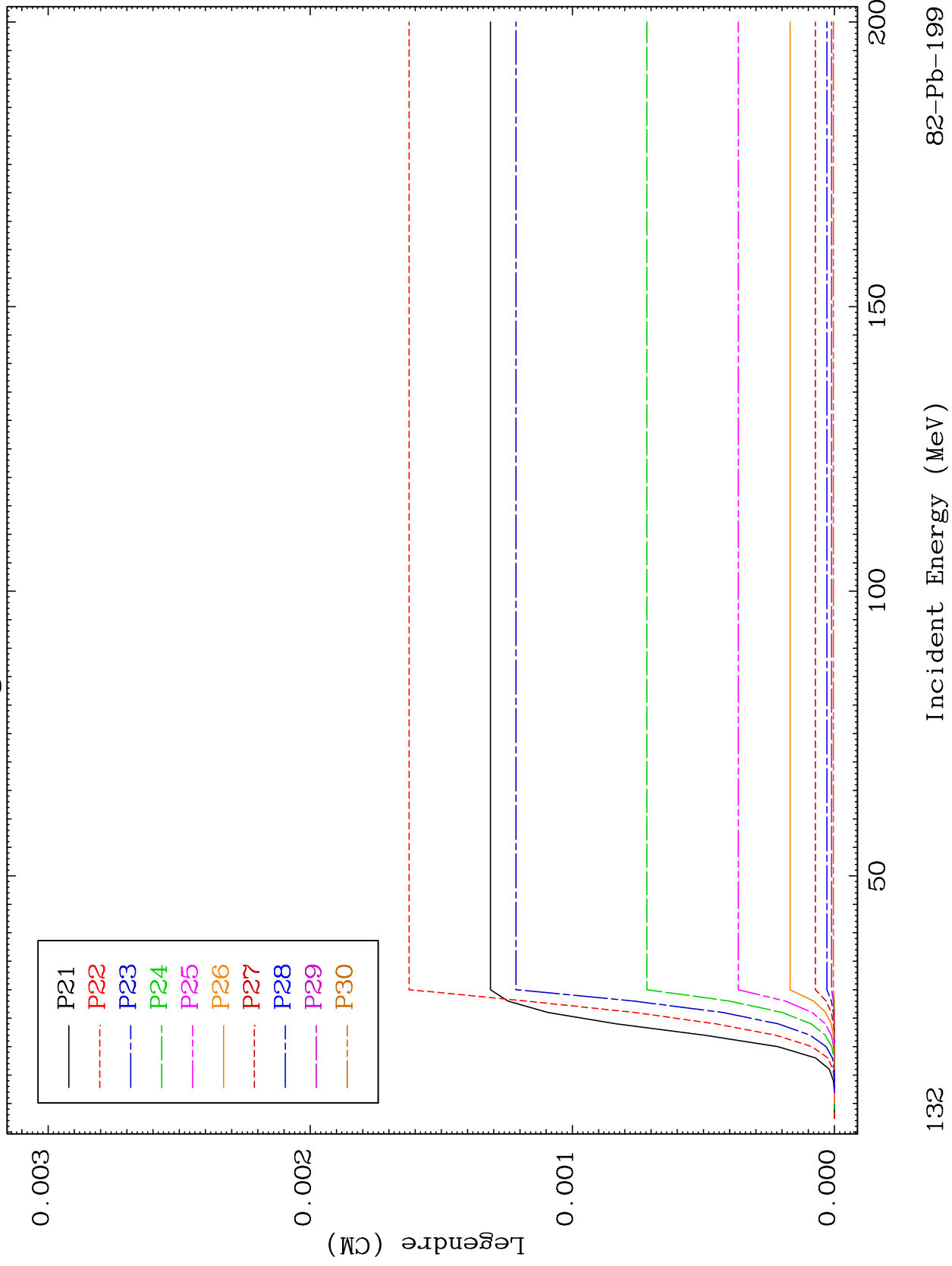
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

82-Pb-199



132

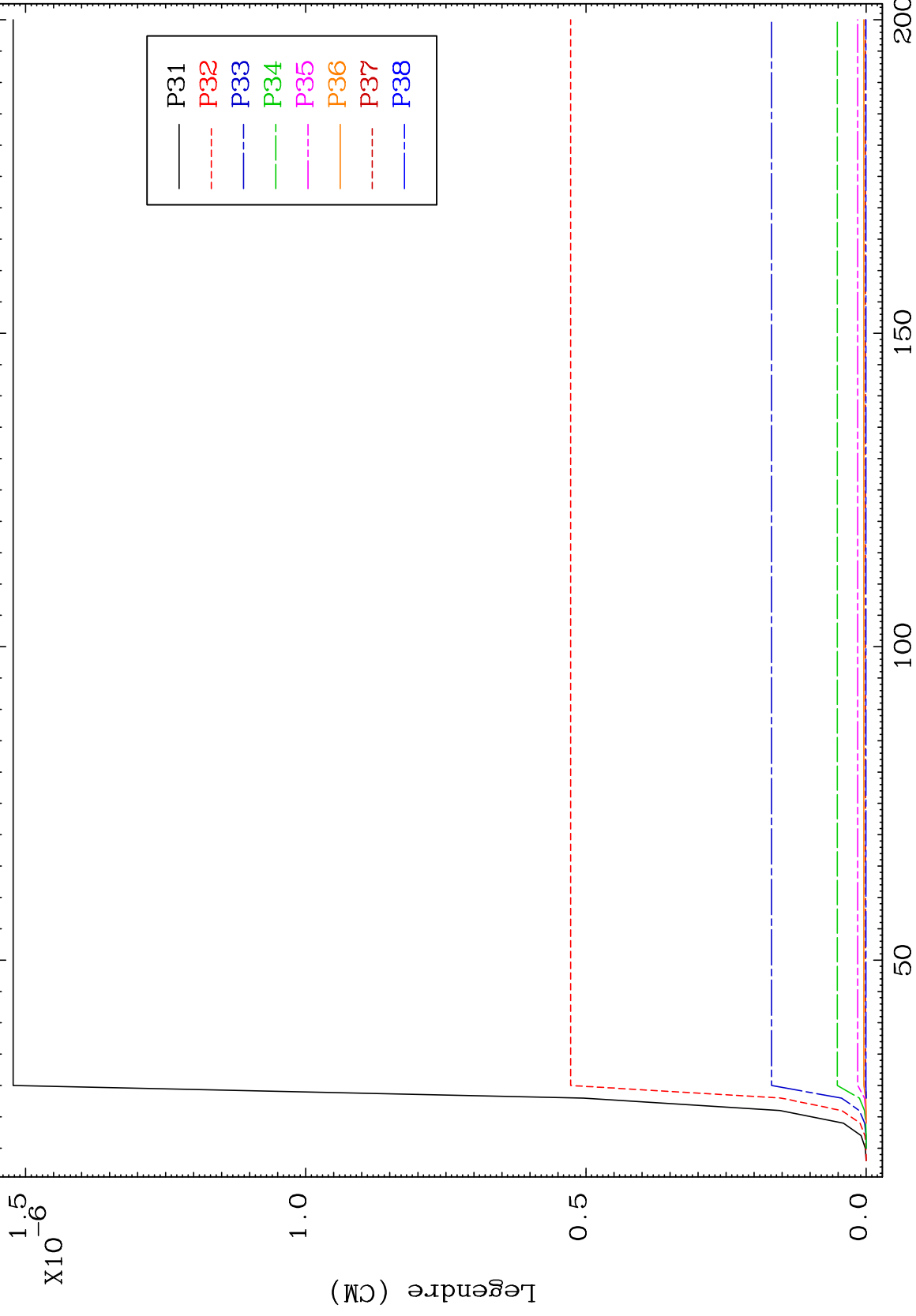
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

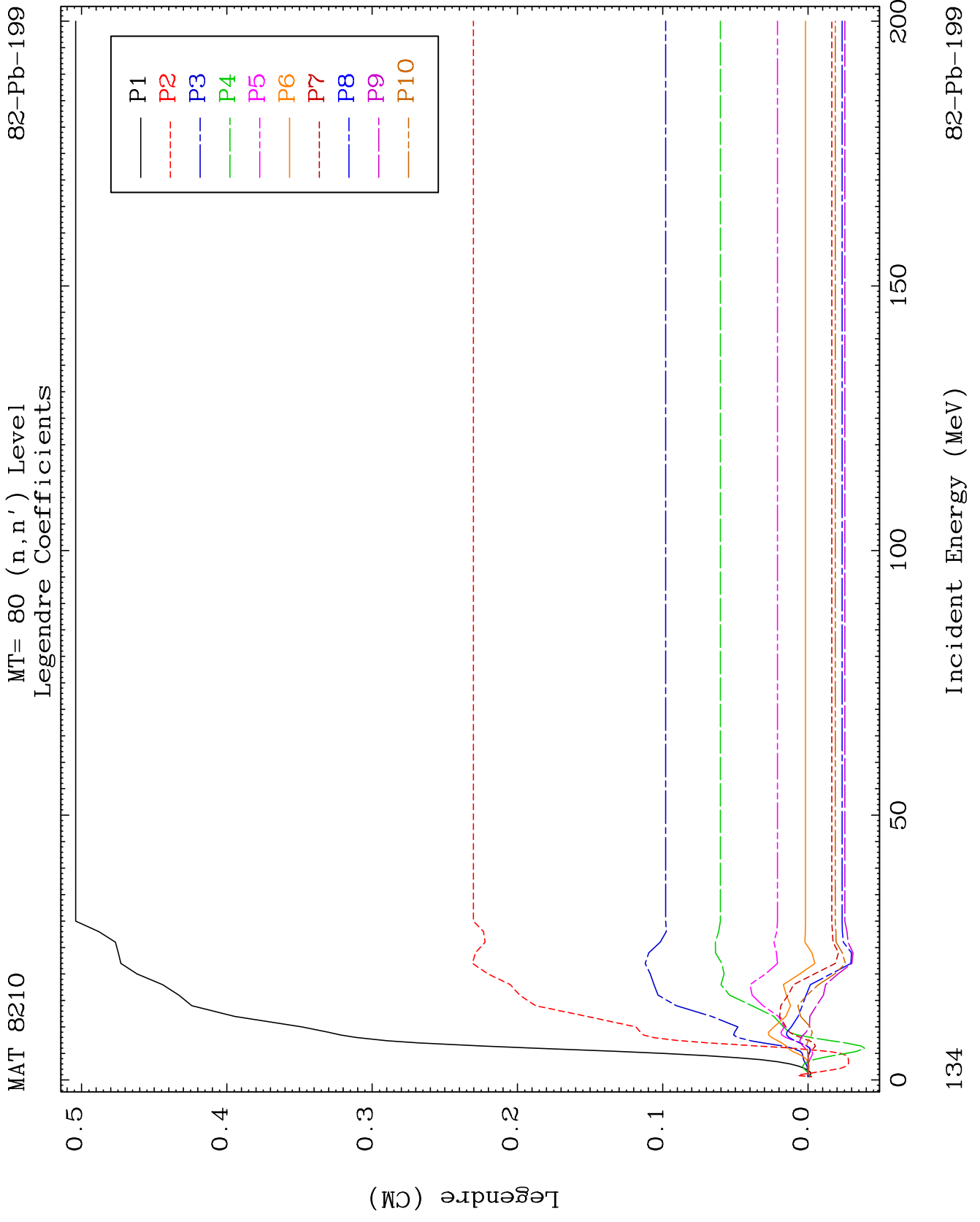
82-Pb-199

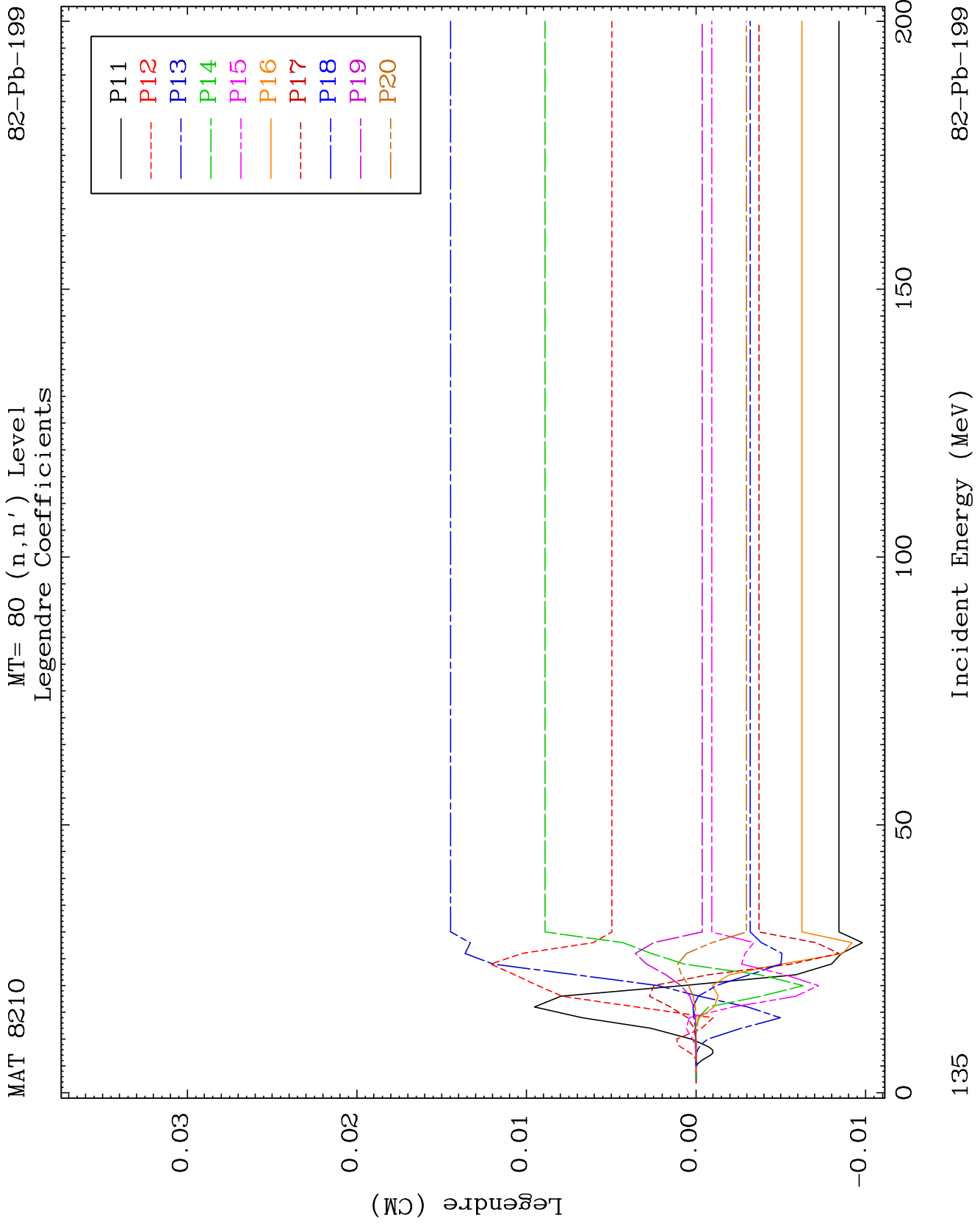


133

Incident Energy (MeV)

82-Pb-199

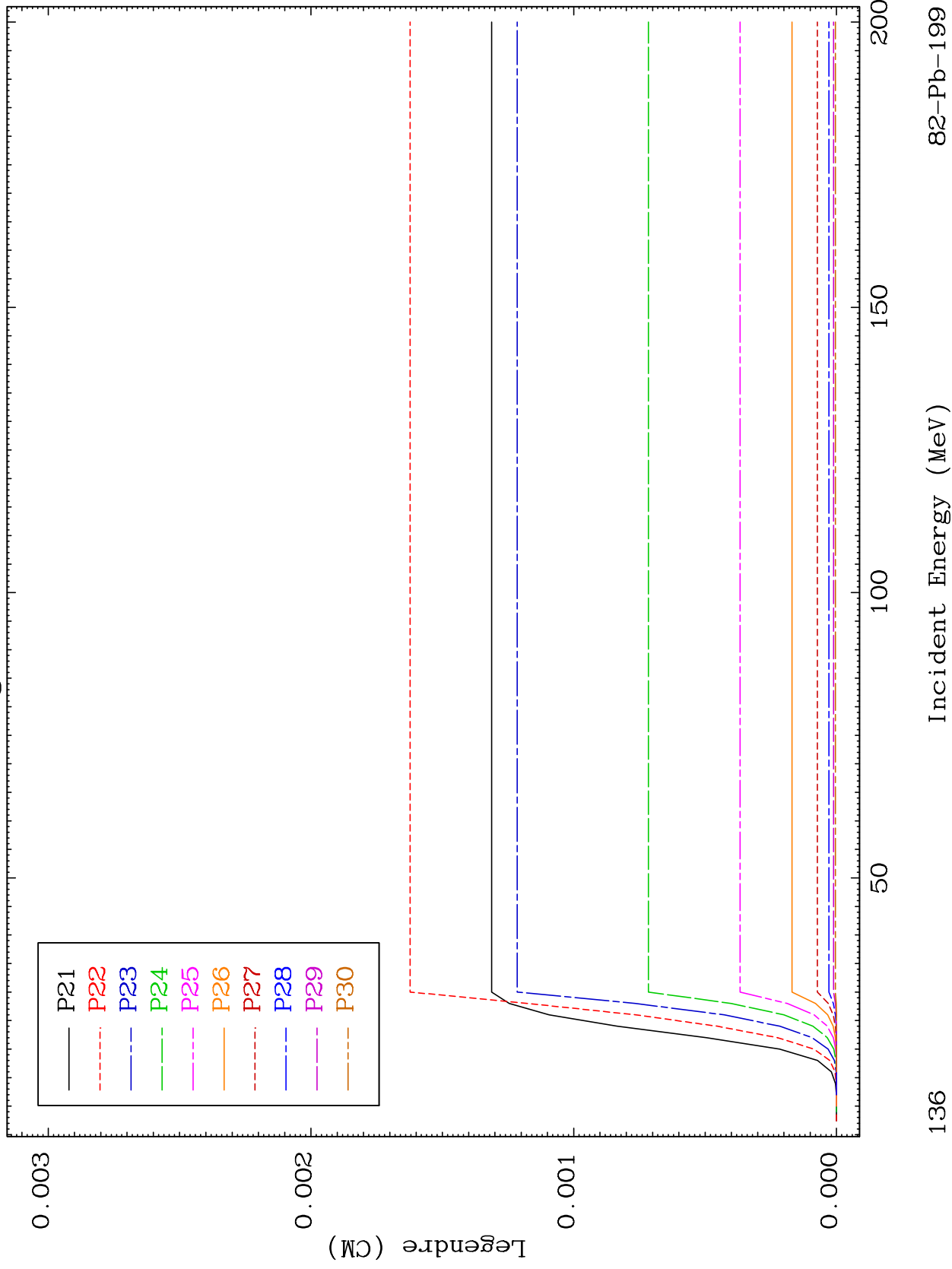




MAT 8210

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

82-Pb-199



136

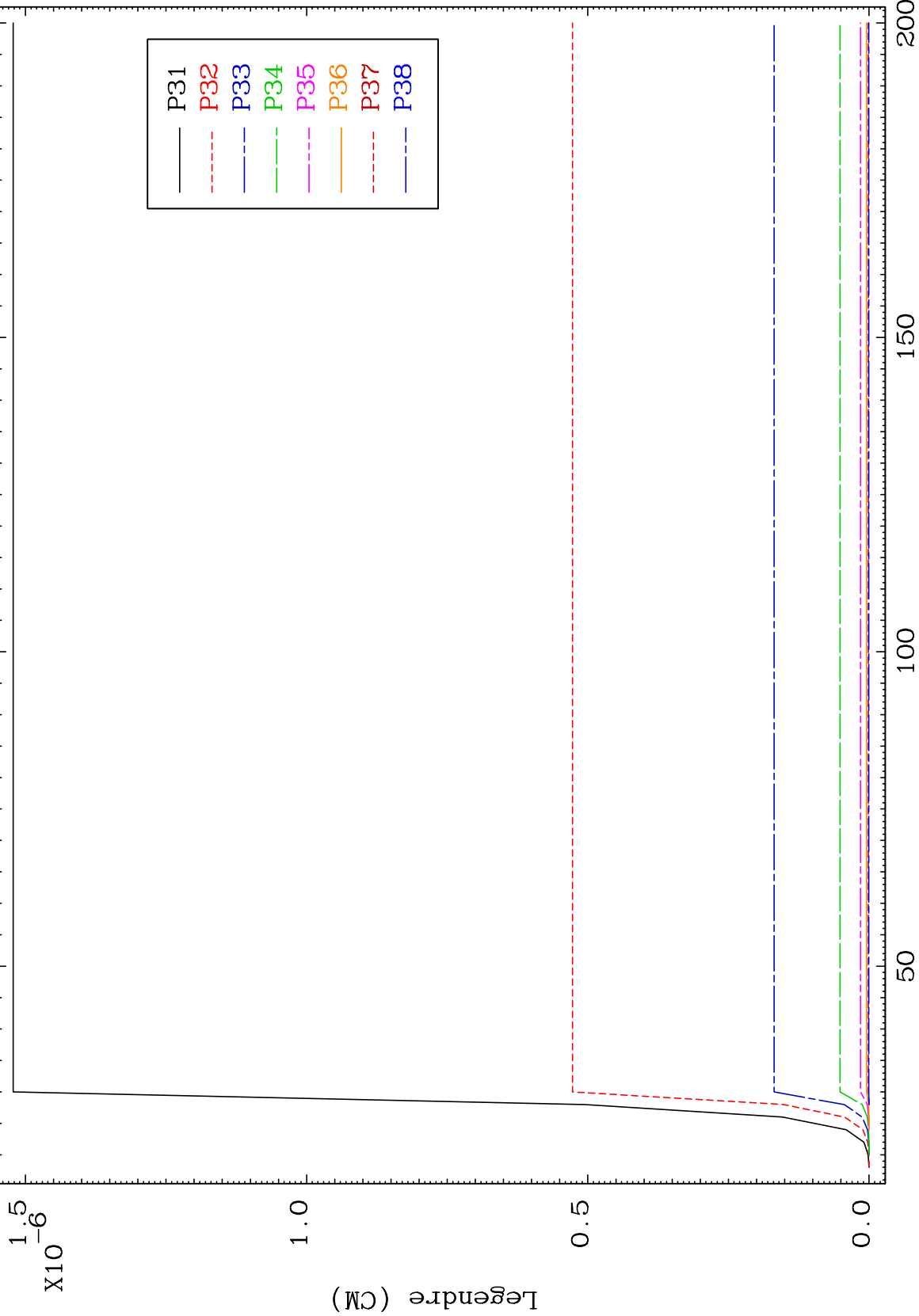
Incident Energy (MeV)

82-Pb-199

MAT 8210

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

82-Pb-199



137

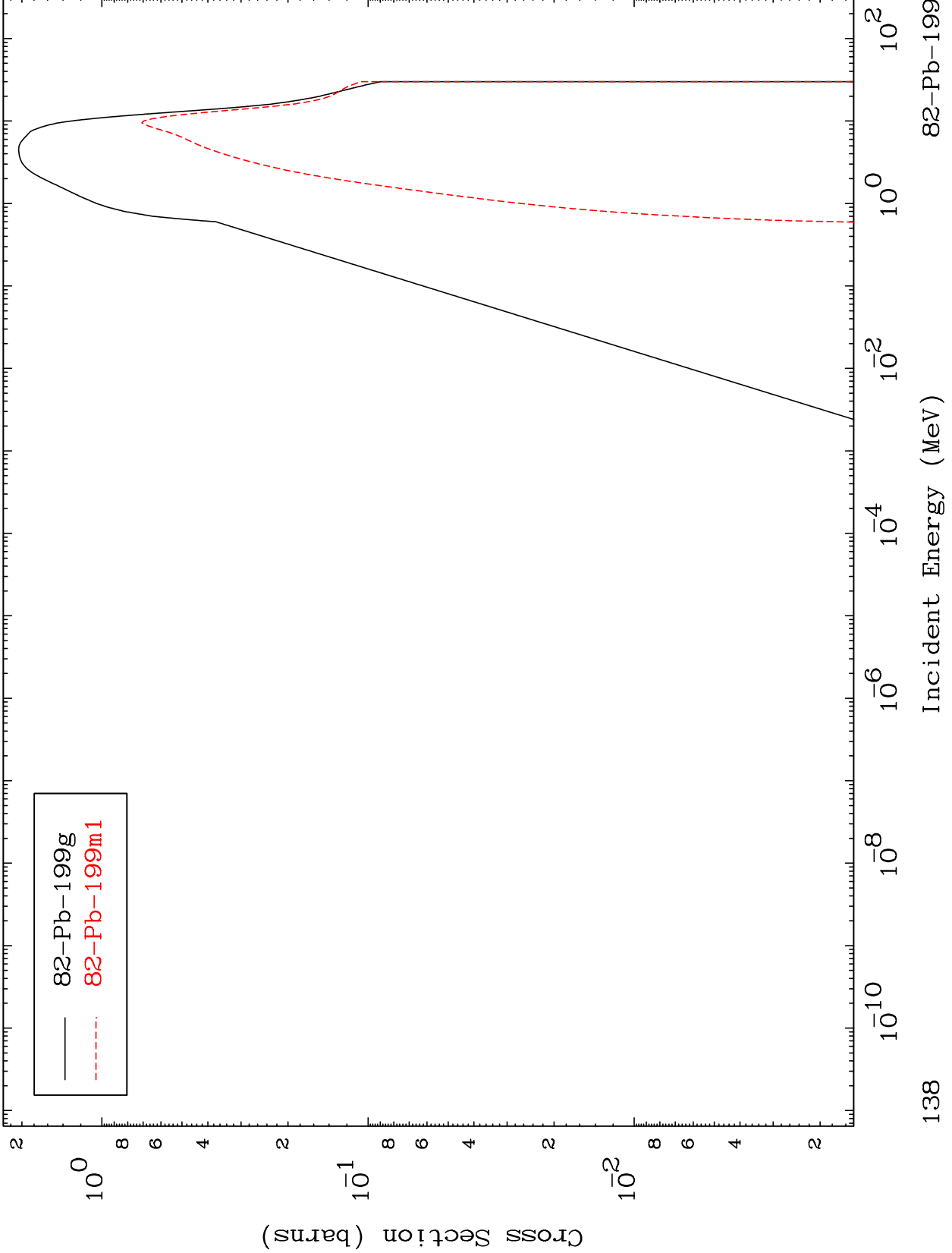
Incident Energy (MeV)

82-Pb-199

MAT 8210

Inelastic
Radionuclide Production Cross Section

82-Pb-199



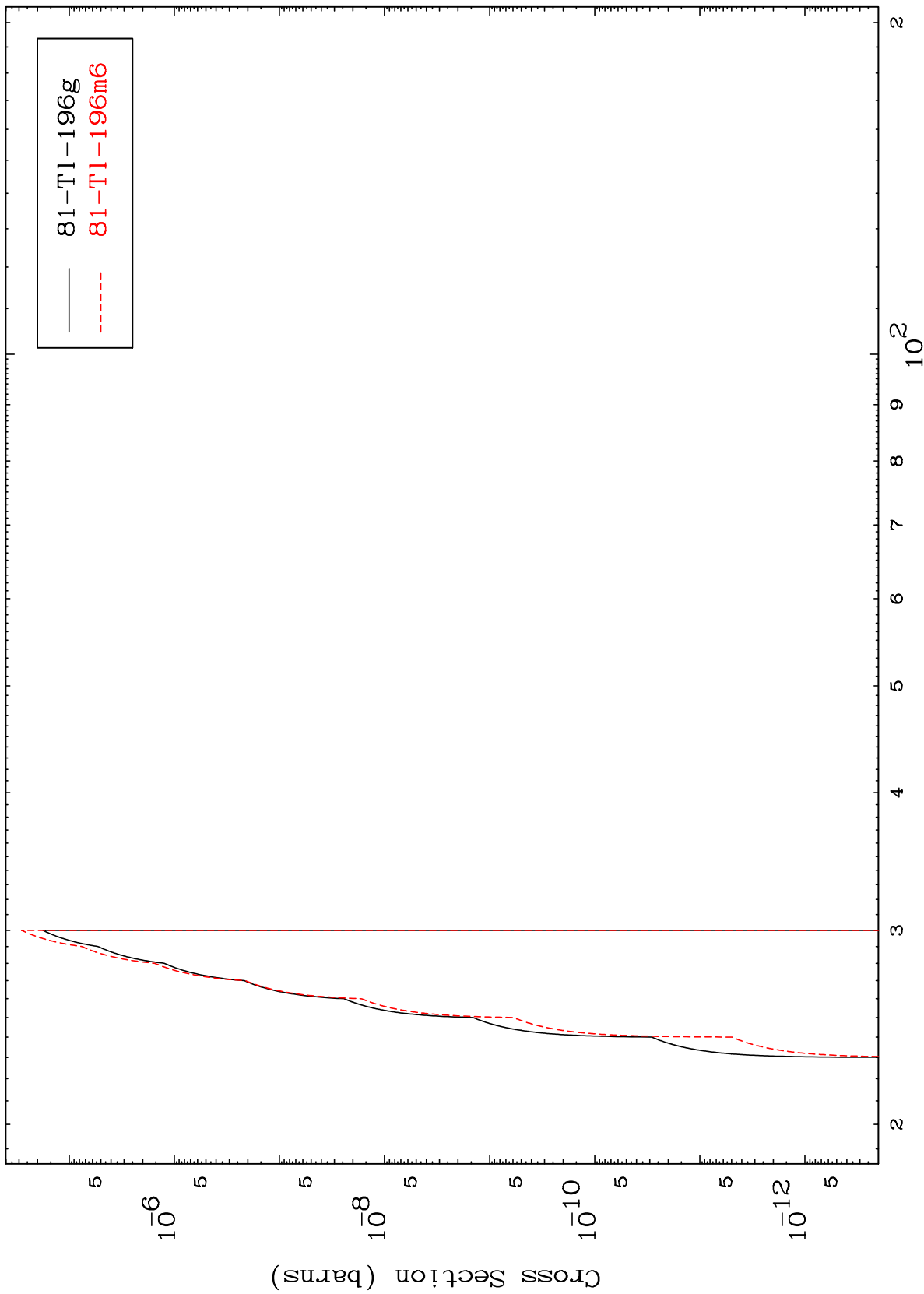
82-Pb-199g
82-Pb-199m1

MAT 8210

(n,2n) d

82-Pb-199

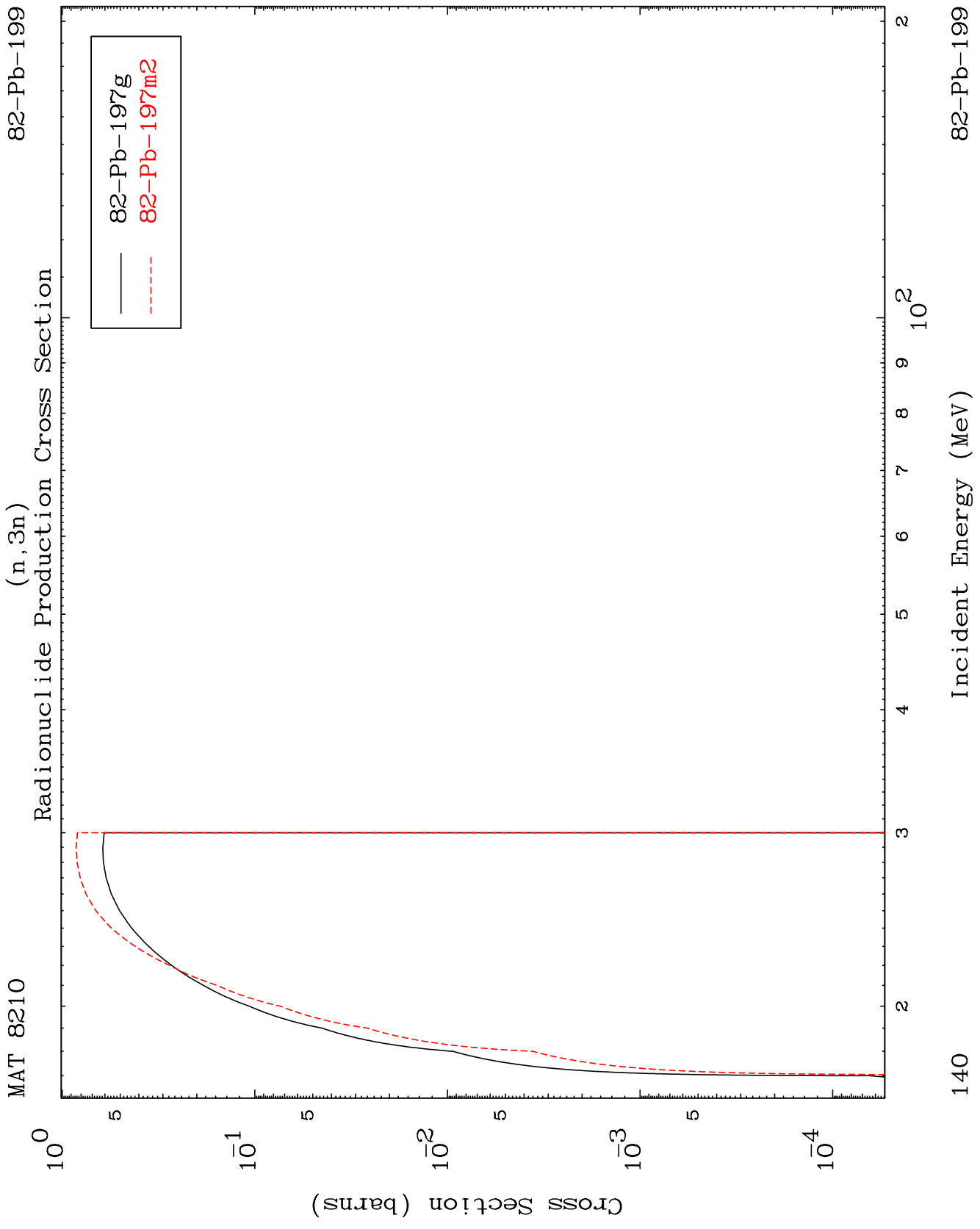
Radionuclide Production Cross Section



139

Incident Energy (MeV)

82-Pb-199

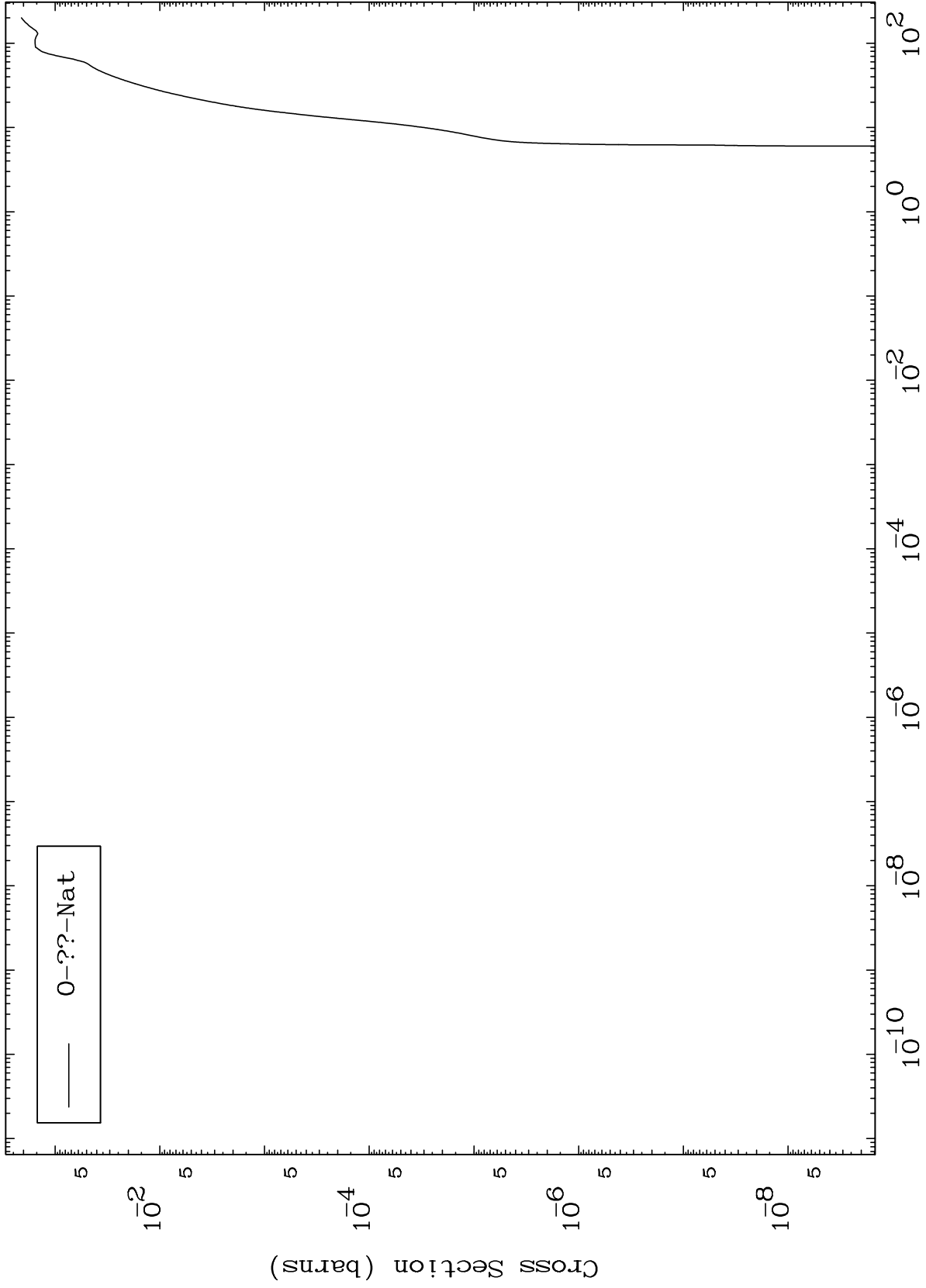


MAT 8210

Fission

82-Pb-199

Radionuclide Production Cross Section



141

Incident Energy (MeV)

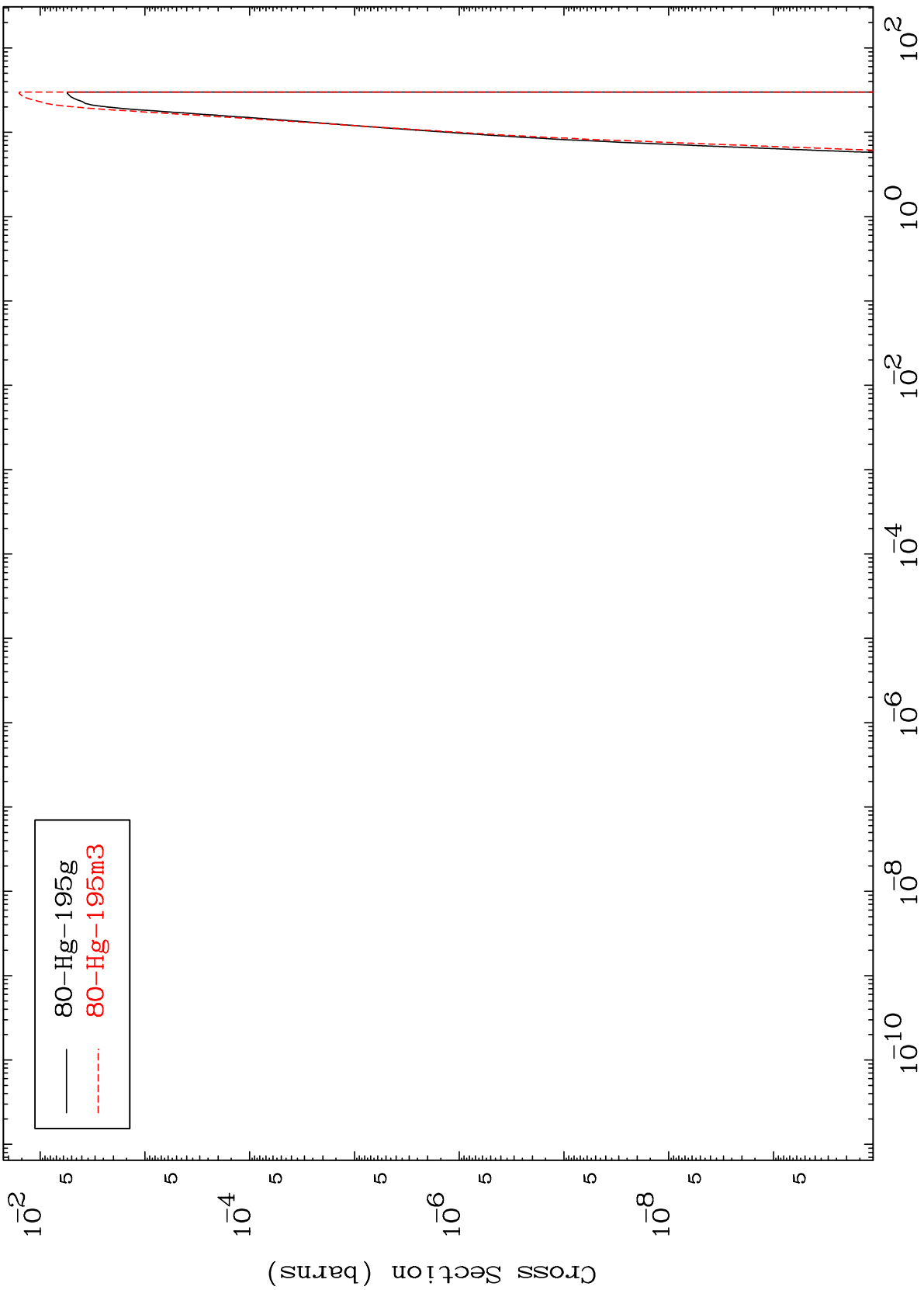
82-Pb-199

MAT 8210

$(n, n') \alpha$

82-Pb-199

Radionuclide Production Cross Section

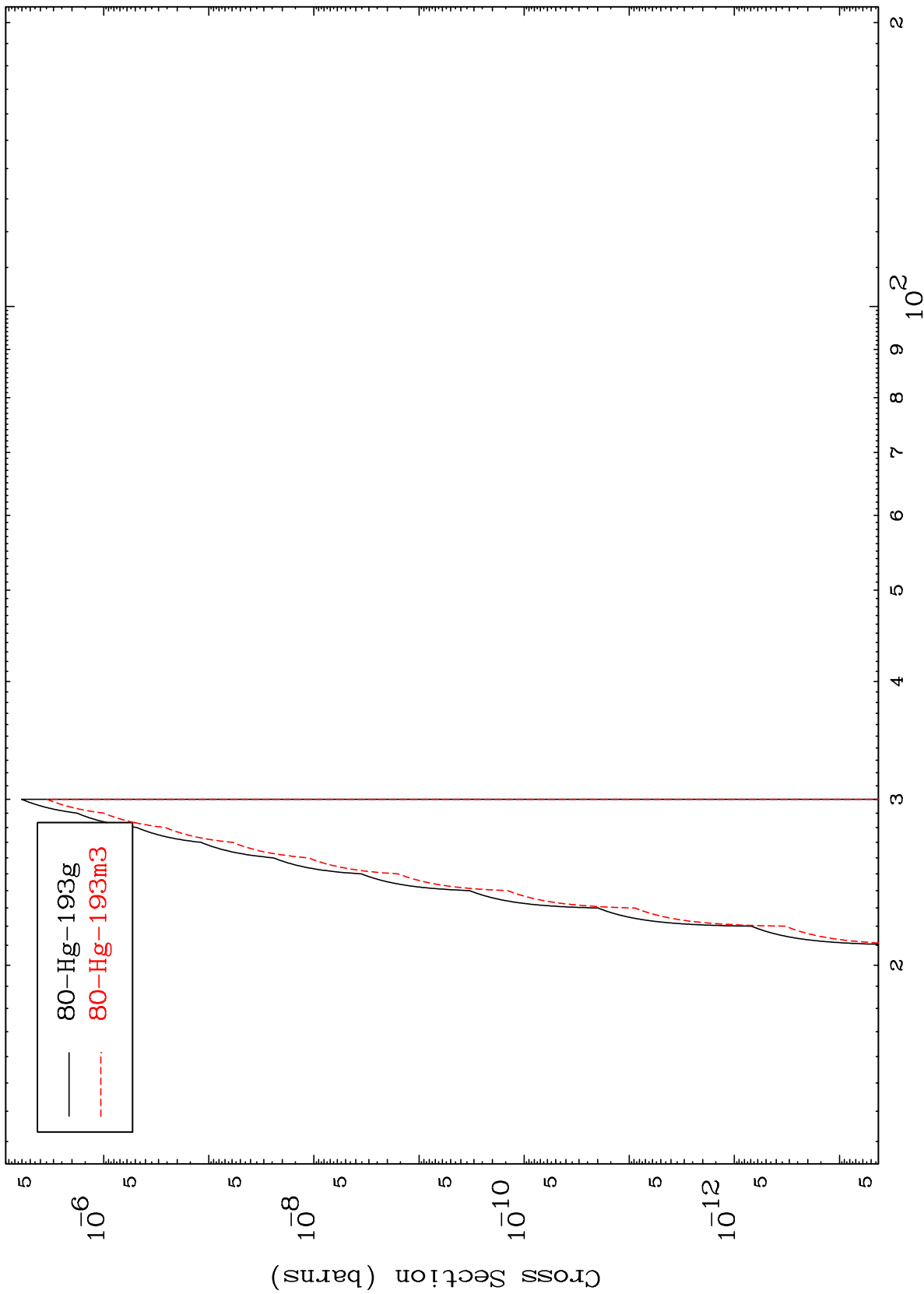


MAT 8210

(n,3n) α

82-Pb-199

Radionuclide Production Cross Section



143

Incident Energy (MeV)

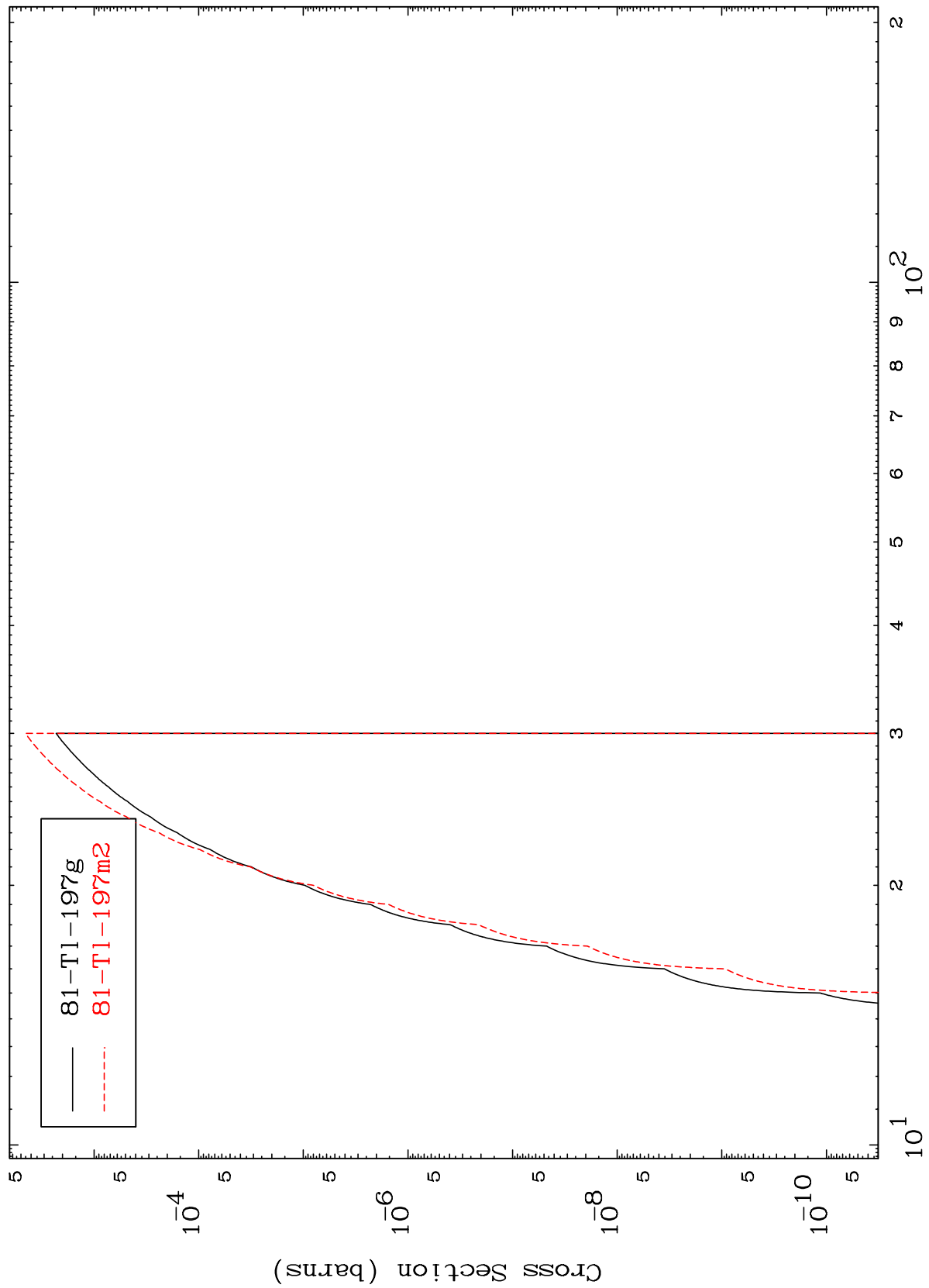
82-Pb-199

MAT 8210

(n,n') d

82-Pb-199

Radionuclide Production Cross Section



144

Incident Energy (MeV)

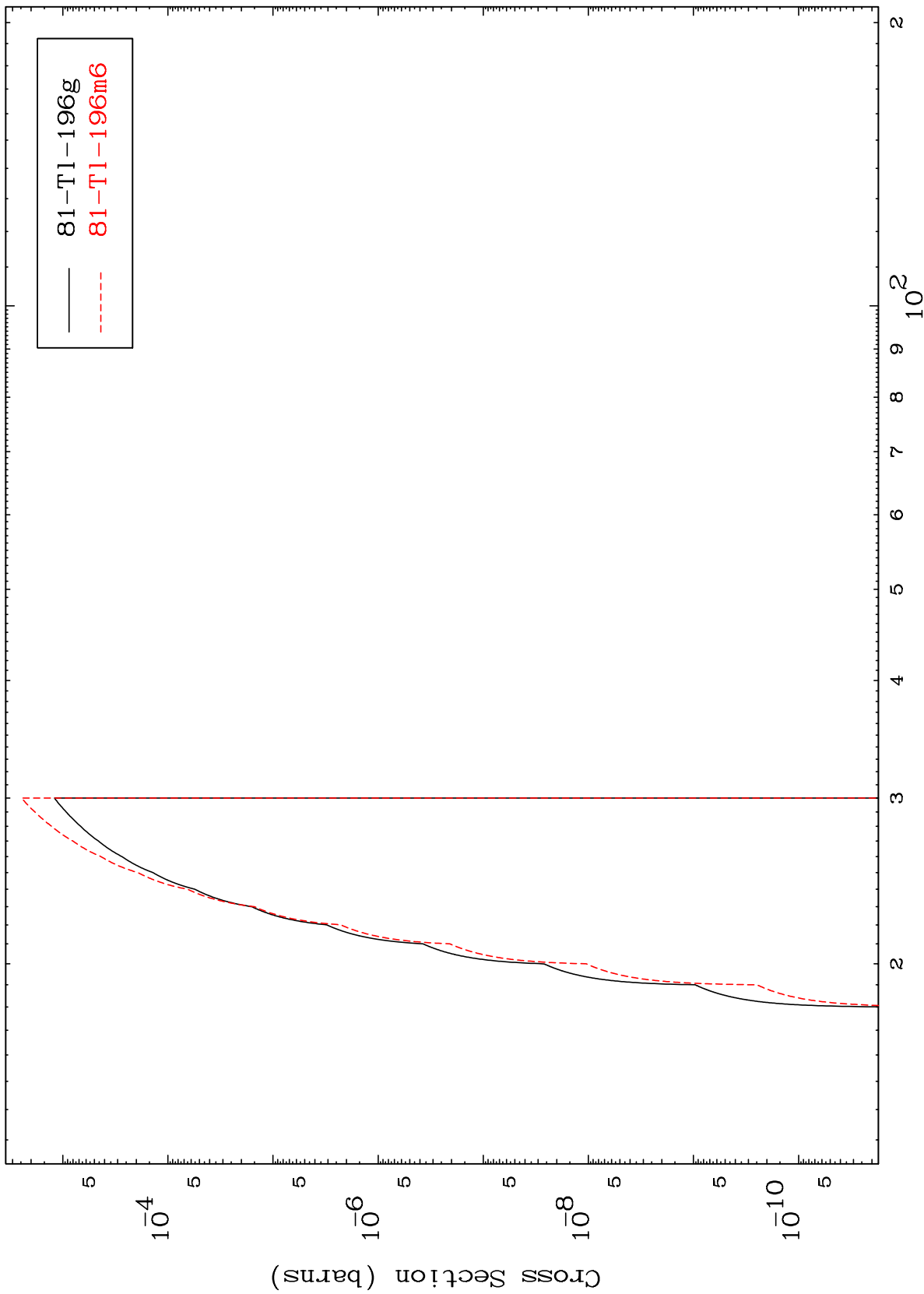
82-Pb-199

MAT 8210

(n,n') t

82-Pb-199

Radionuclide Production Cross Section

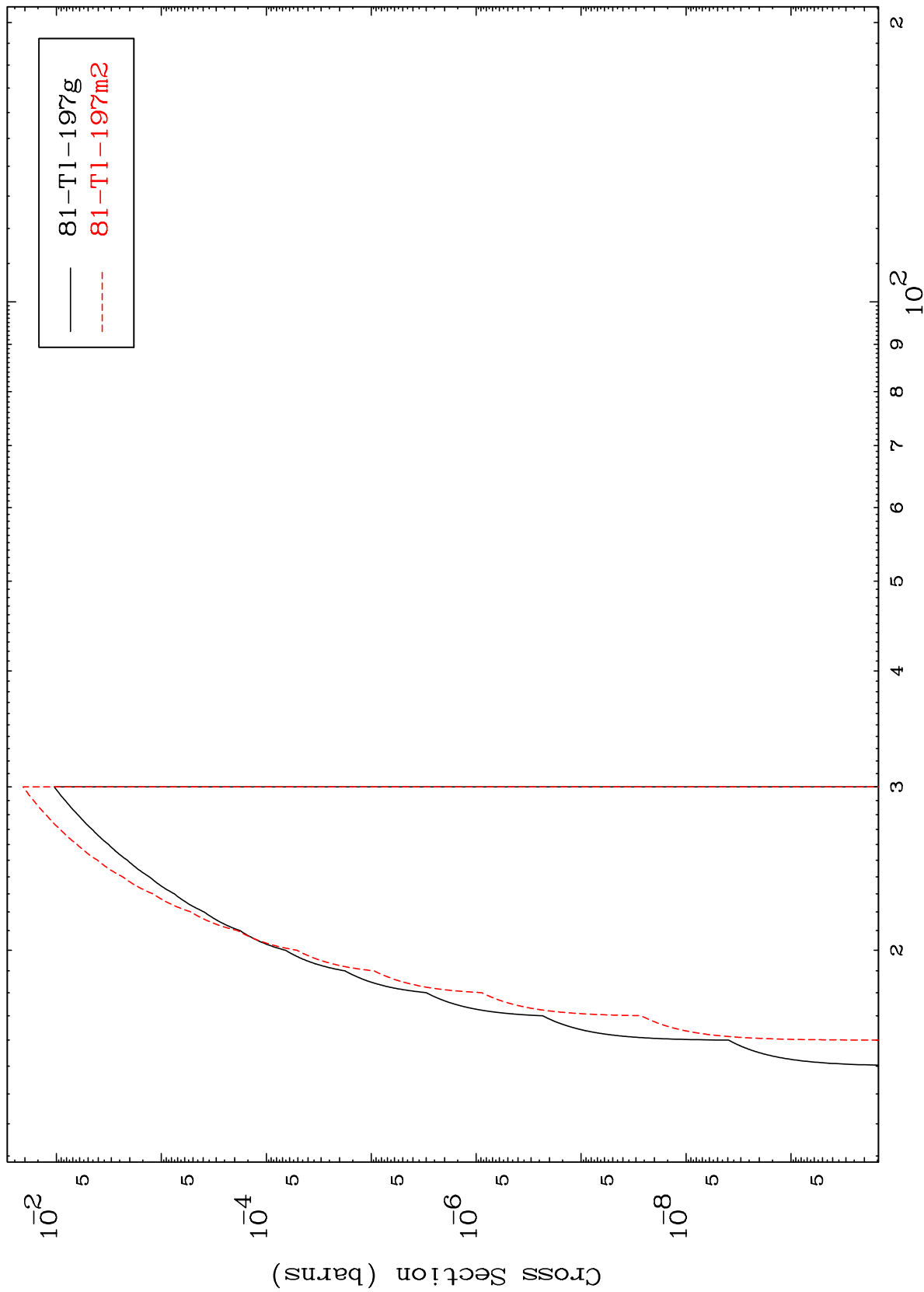


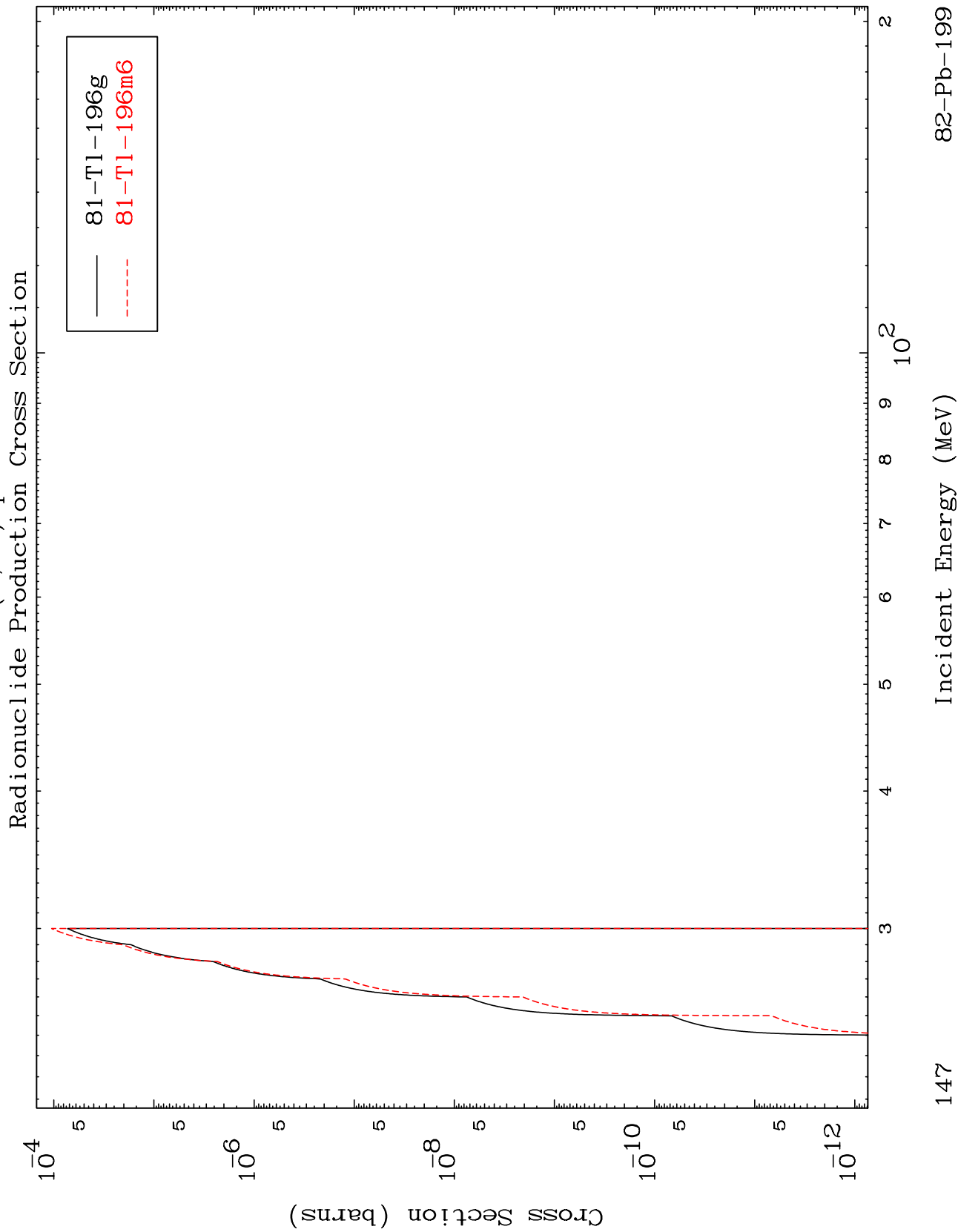
145

Incident Energy (MeV)

82-Pb-199

Radionuclide Production Cross Section



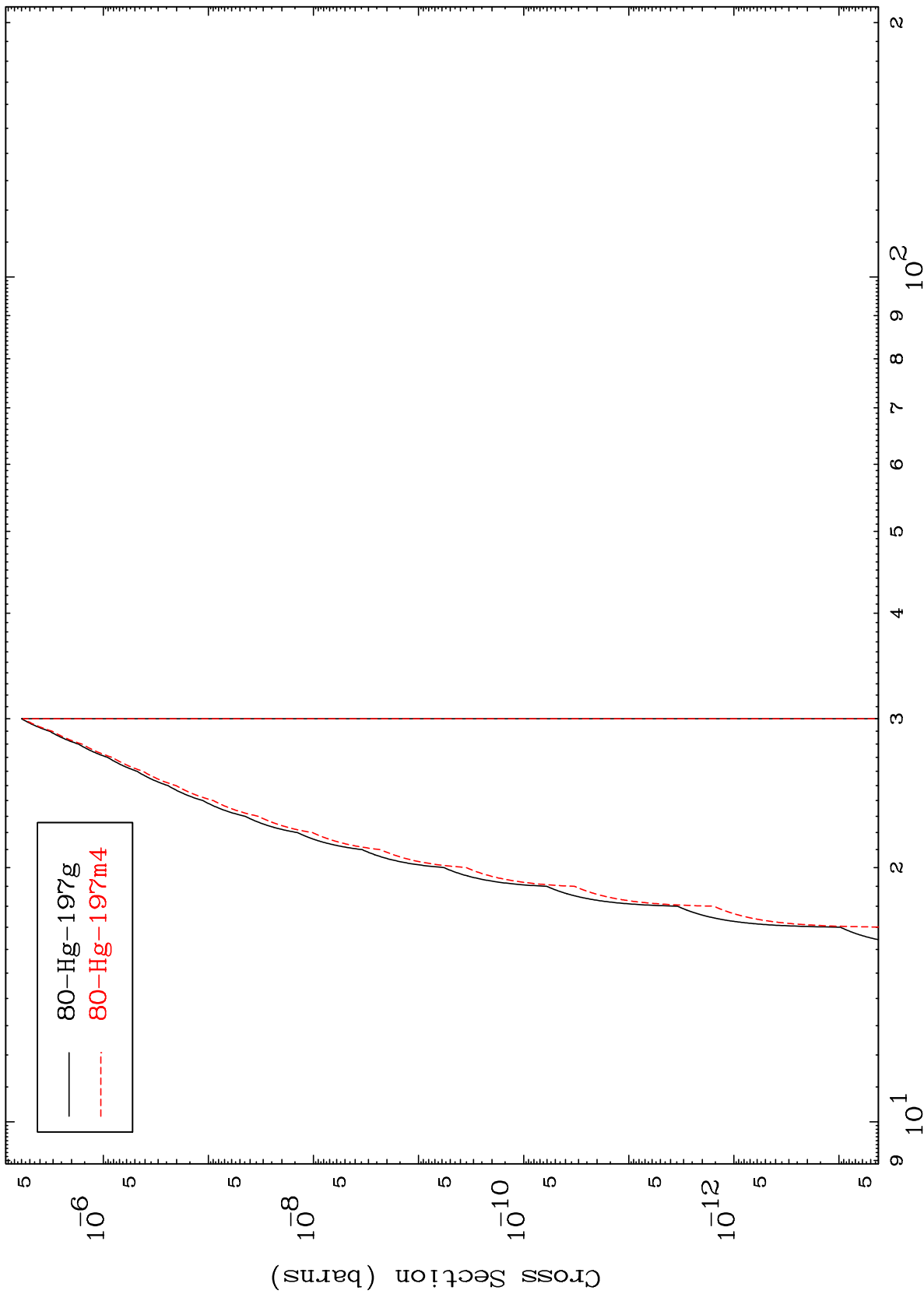


MAT 8210

(n,2n) p

82-Pb-199

Radionuclide Production Cross Section



148

Incident Energy (MeV)

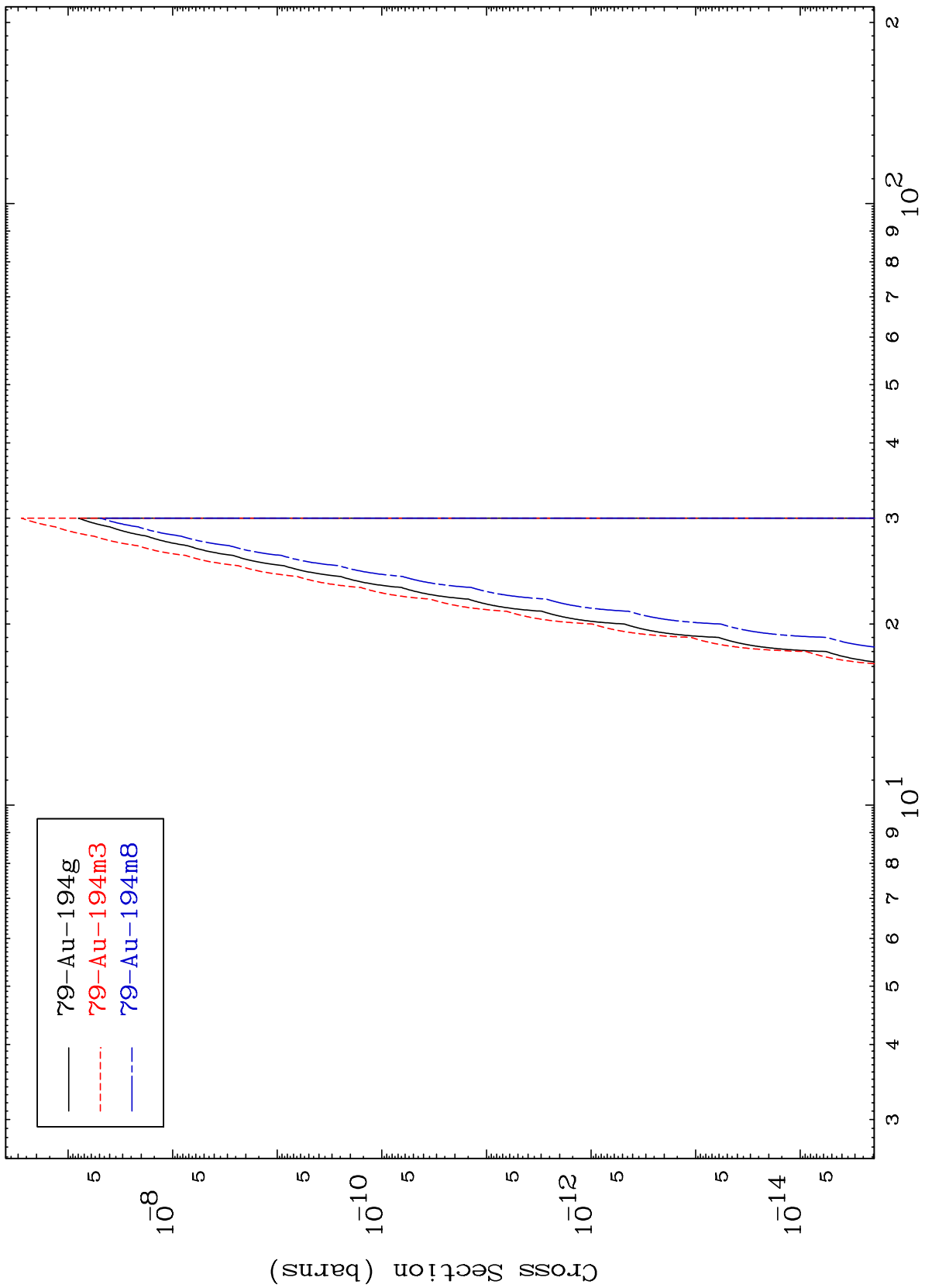
82-Pb-199

MAT 8210

(n,n') p α

82-Pb-199

Radionuclide Production Cross Section



149

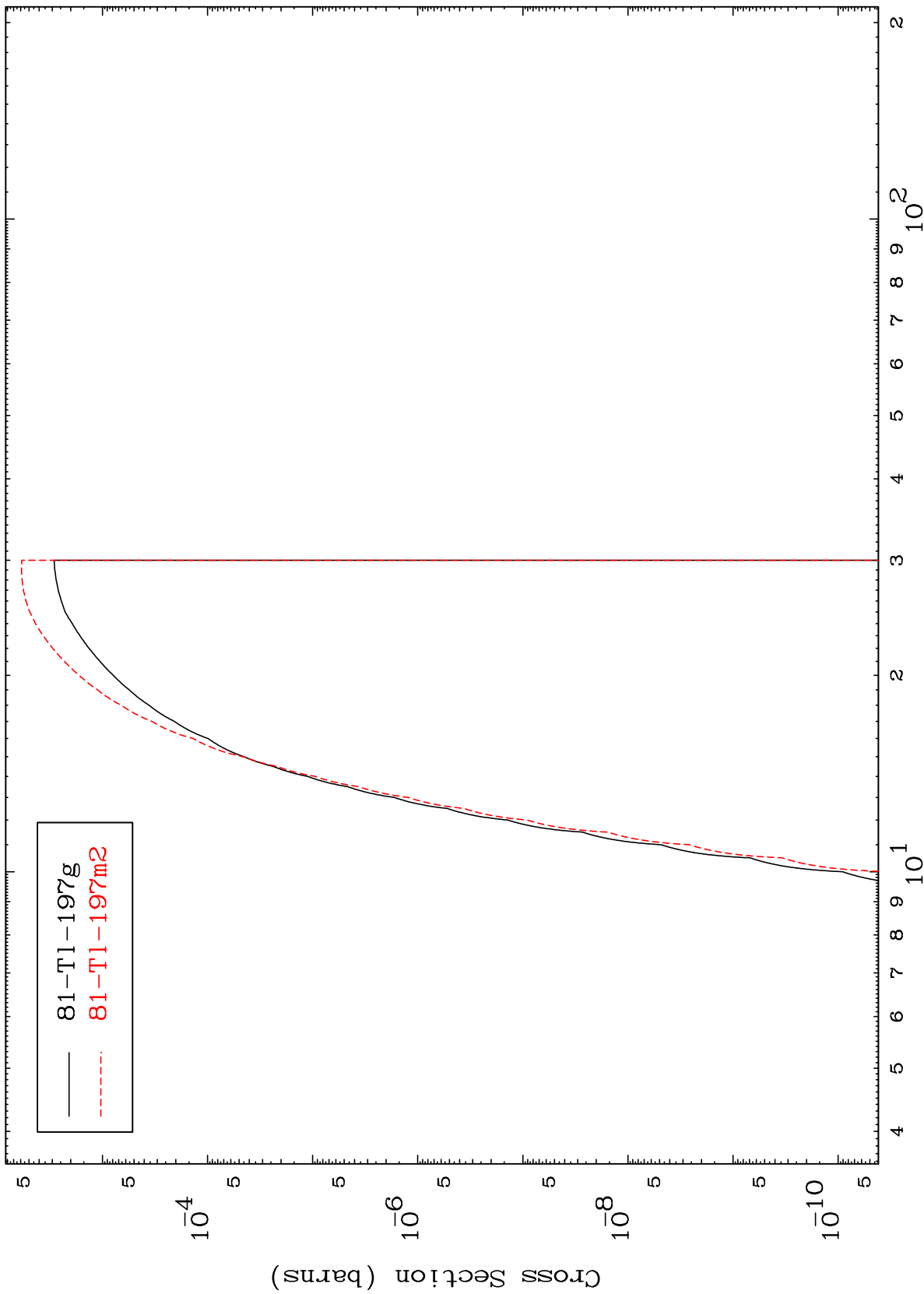
Incident Energy (MeV)

82-Pb-199

MAT 8210

82-Pb-199

(n, t)
Radionuclide Production Cross Section



82-Pb-199

Incident Energy (MeV)

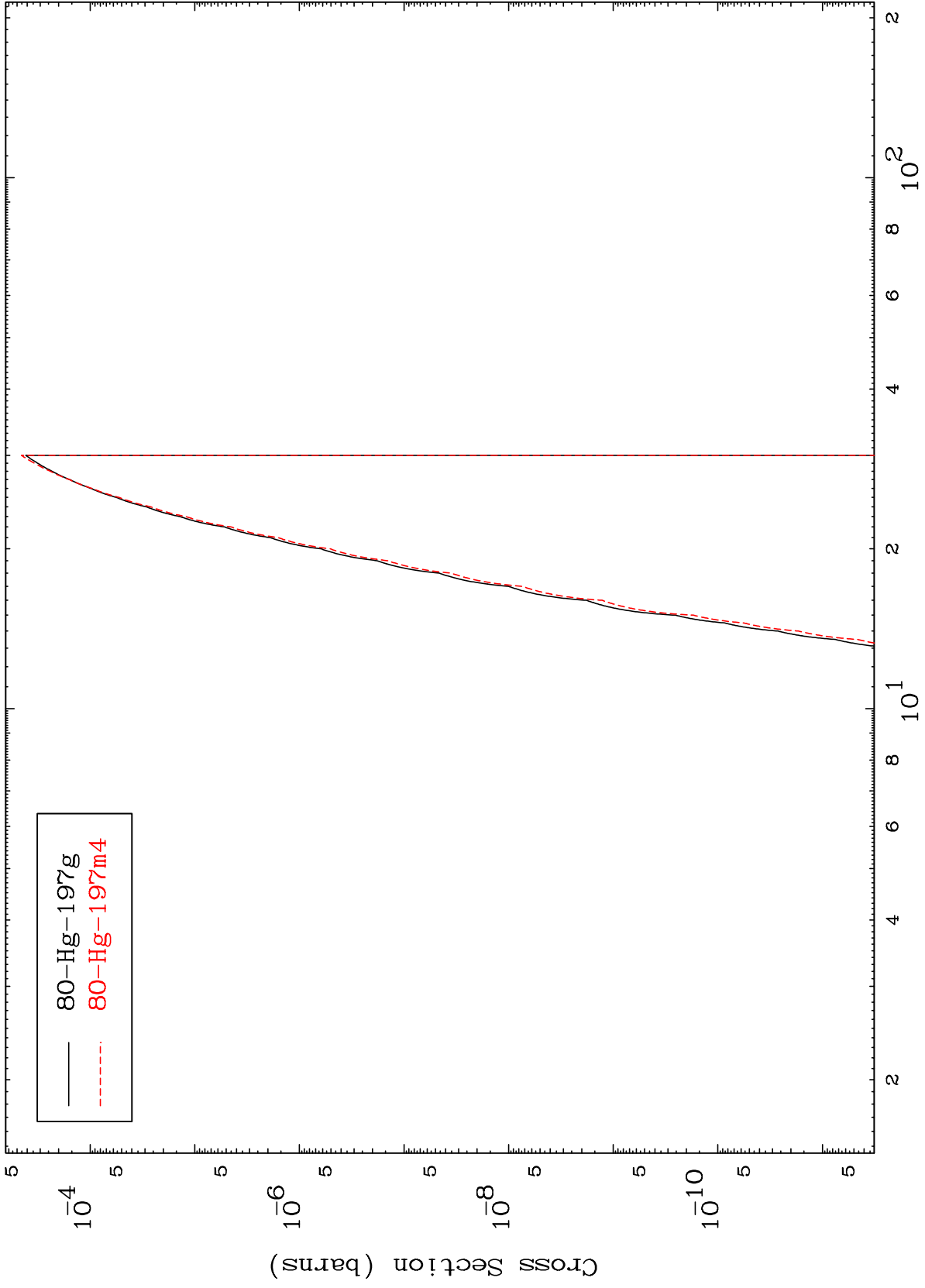
150

MAT 8210

(n,He-3)

82-Pb-199

Radionuclide Production Cross Section



80-Hg-197g
80-Hg-197m4

151

Incident Energy (MeV)

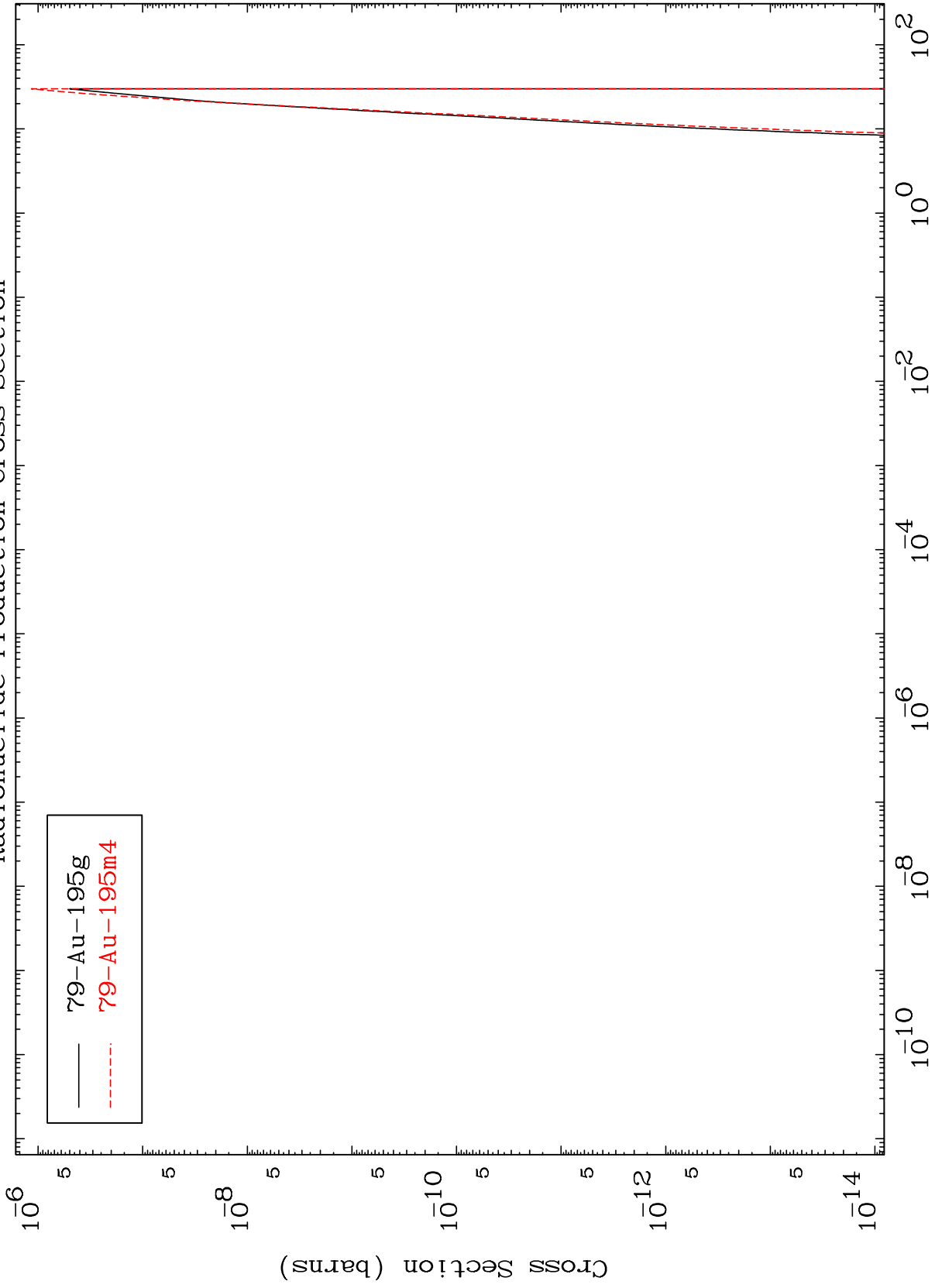
82-Pb-199

MAT 8210

(n,p) α

82-Pb-199

Radionuclide Production Cross Section



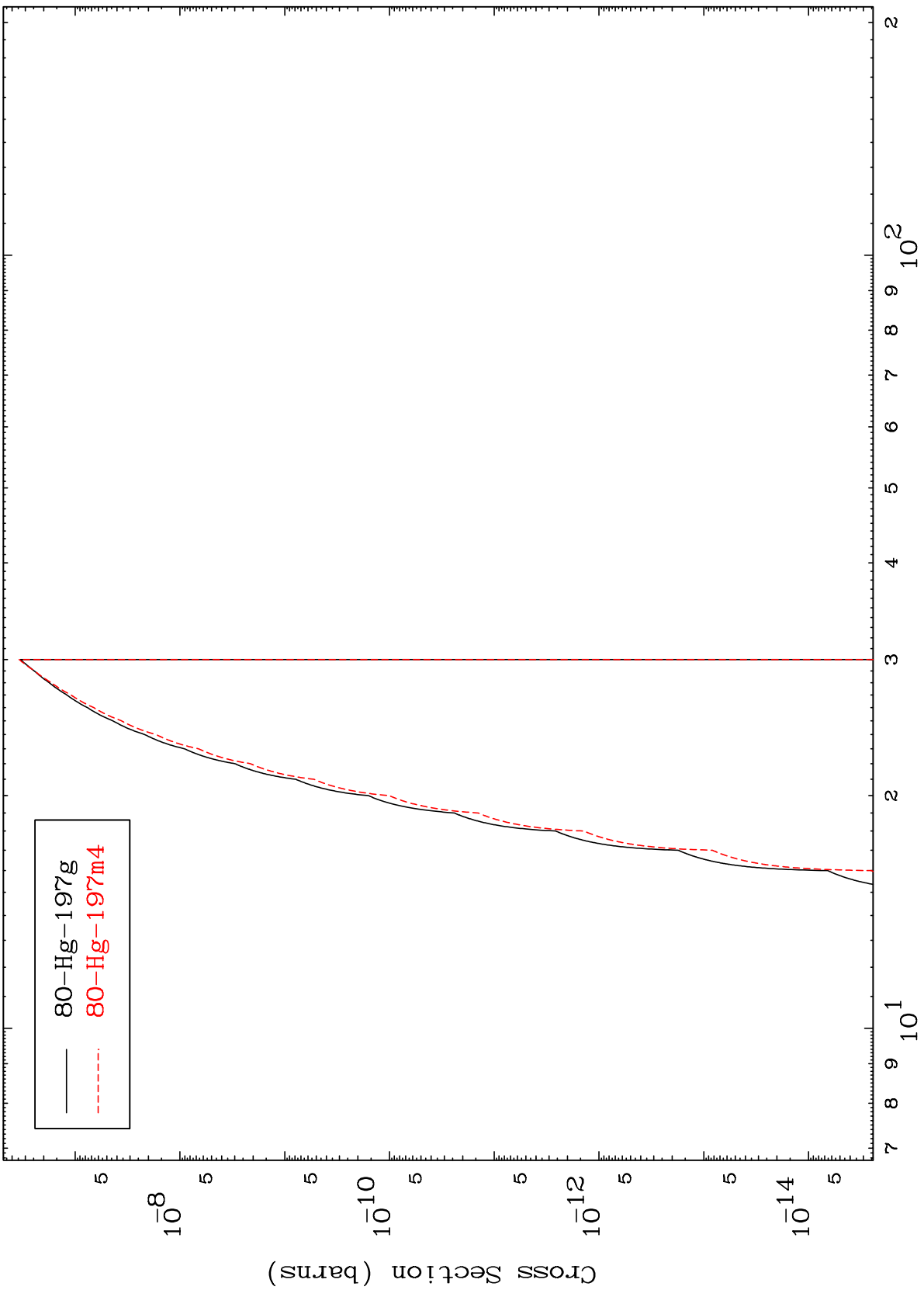
79-Au-195g
79-Au-195m4

MAT 8210

(n,p) d

82-Pb-199

Radionuclide Production Cross Section



153

Incident Energy (MeV)

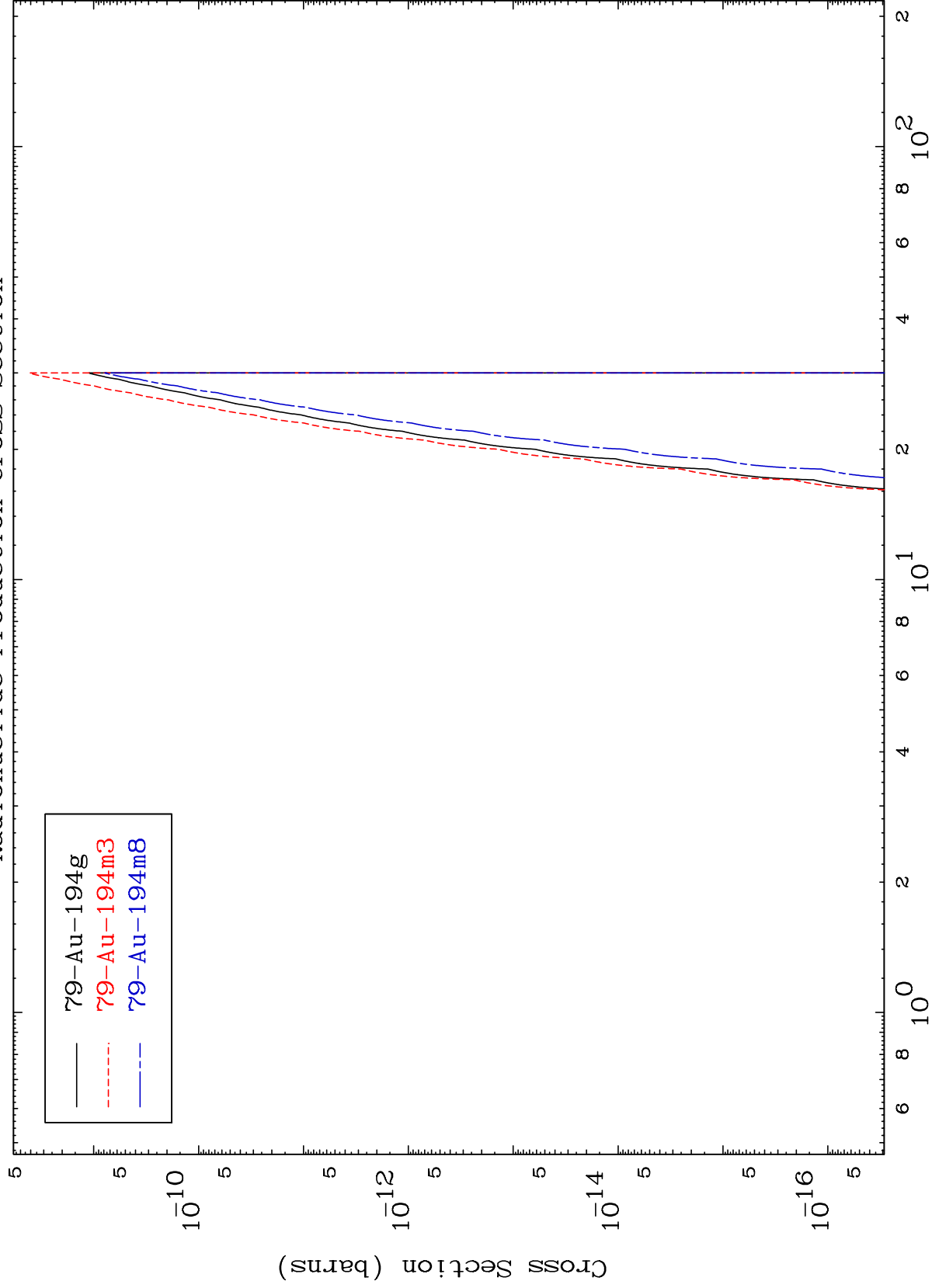
82-Pb-199

MAT 8210

(n,d) α

82-Pb-199

Radionuclide Production Cross Section



154

Incident Energy (MeV)

82-Pb-199