

Program EVALPLOT
(Version 2018-1)

by

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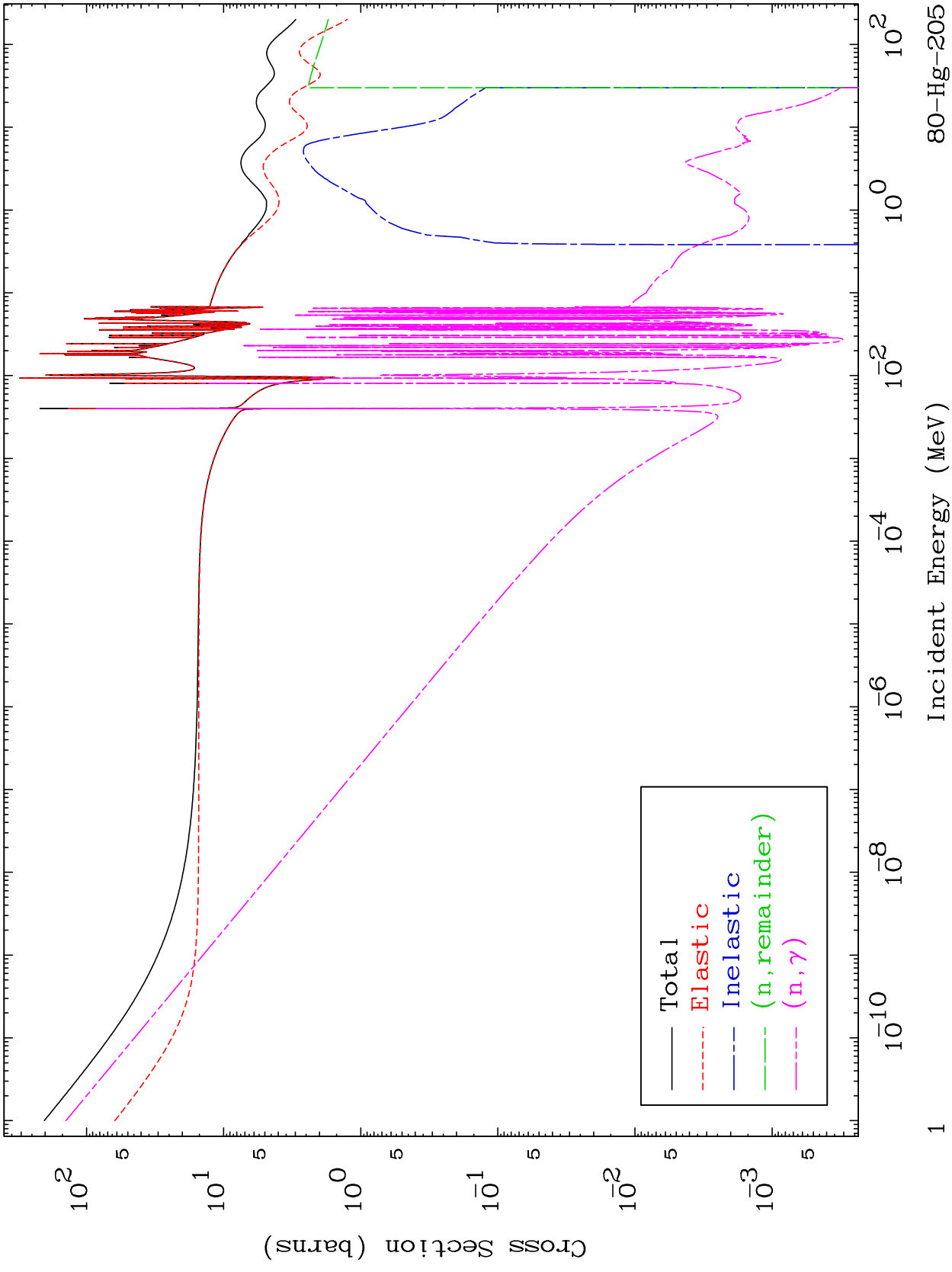
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8052

Major
293 Kelvin Cross Sections

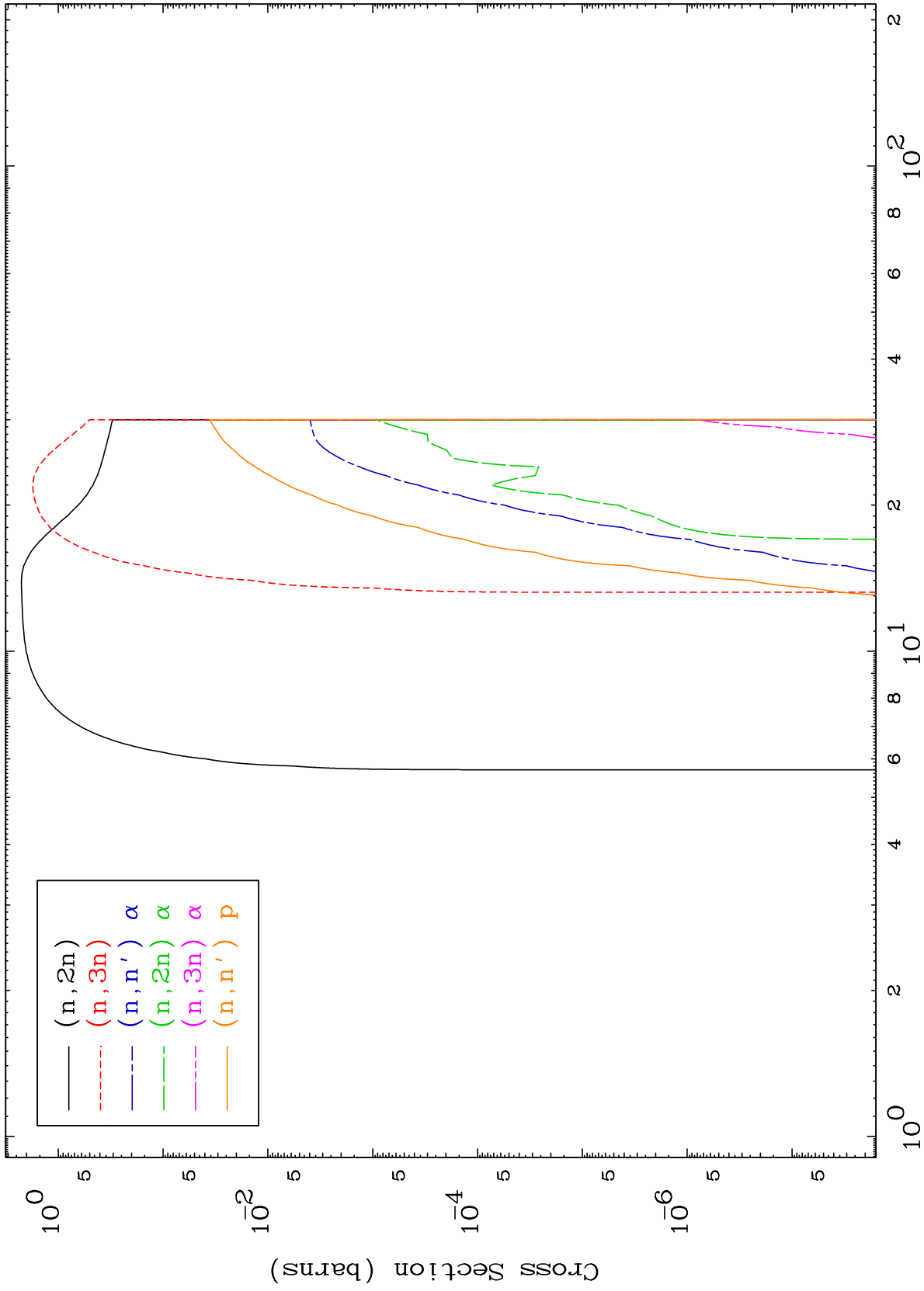
80-Hg-205



MAT 8052

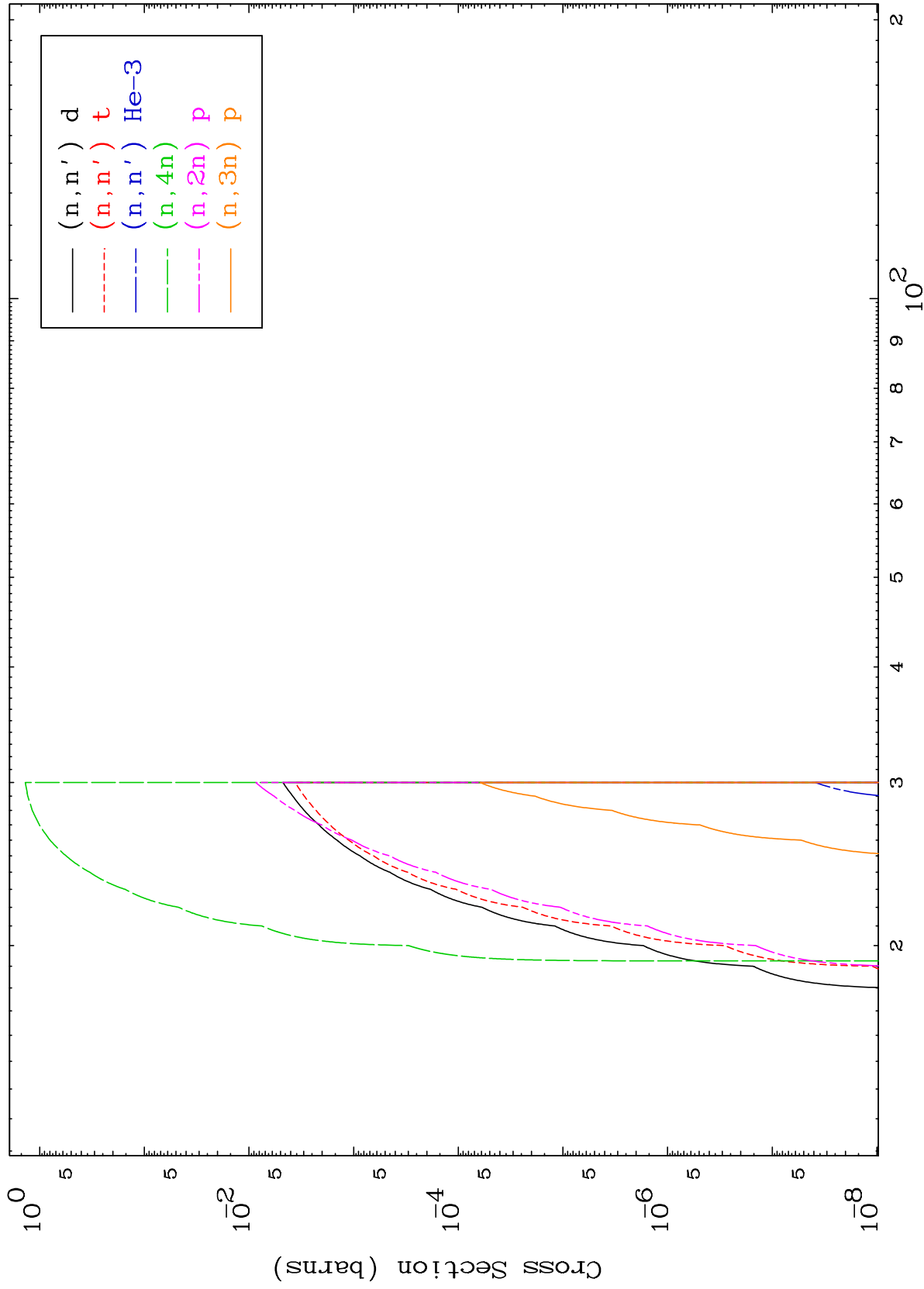
Neutron Production
293 Kelvin Cross Sections

80-Hg-205



Incident Energy (MeV)

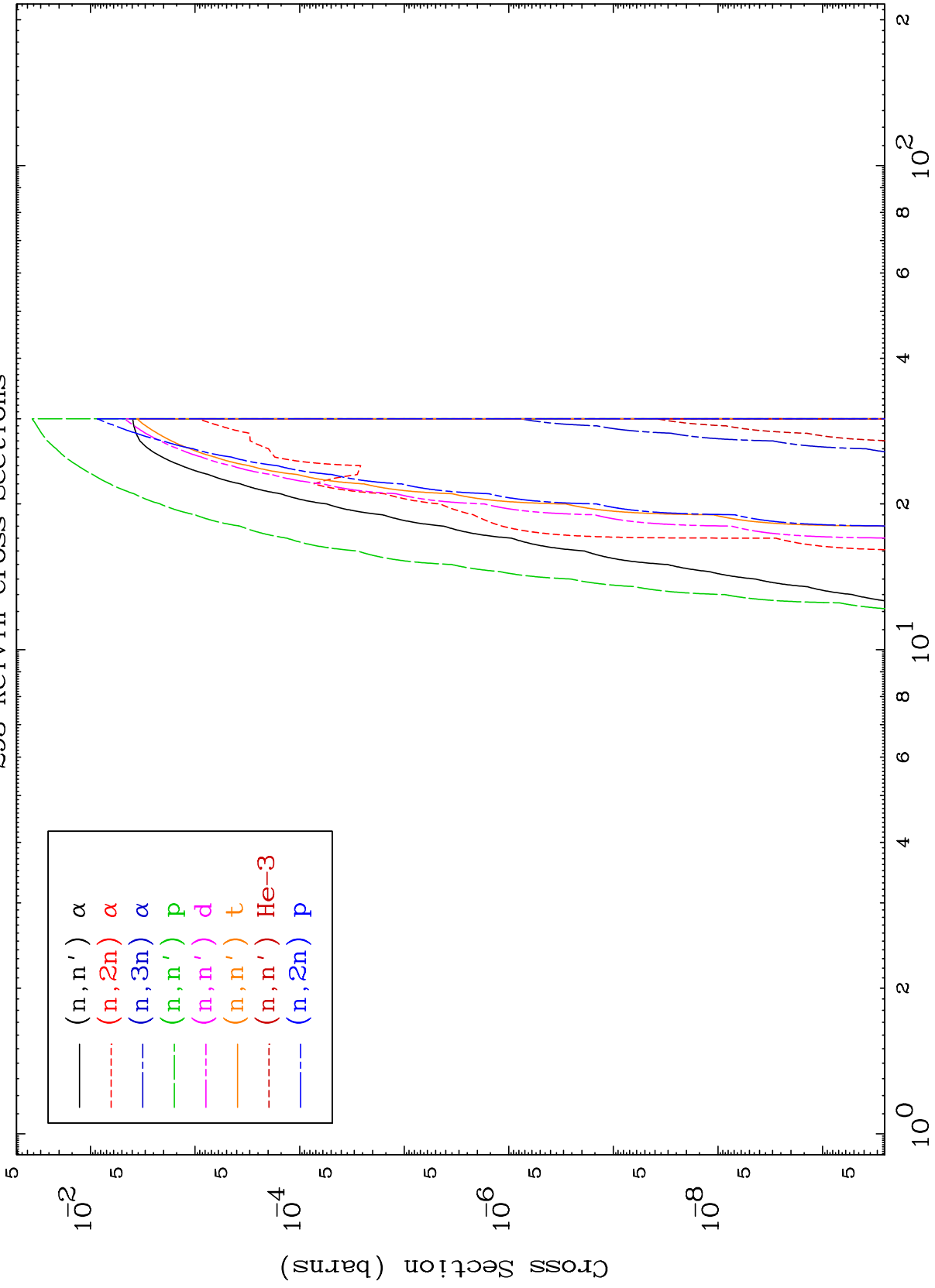
80-Hg-205



MAT 8052

293 Kelvin Cross Sections

80-Hg-205



80-Hg-205

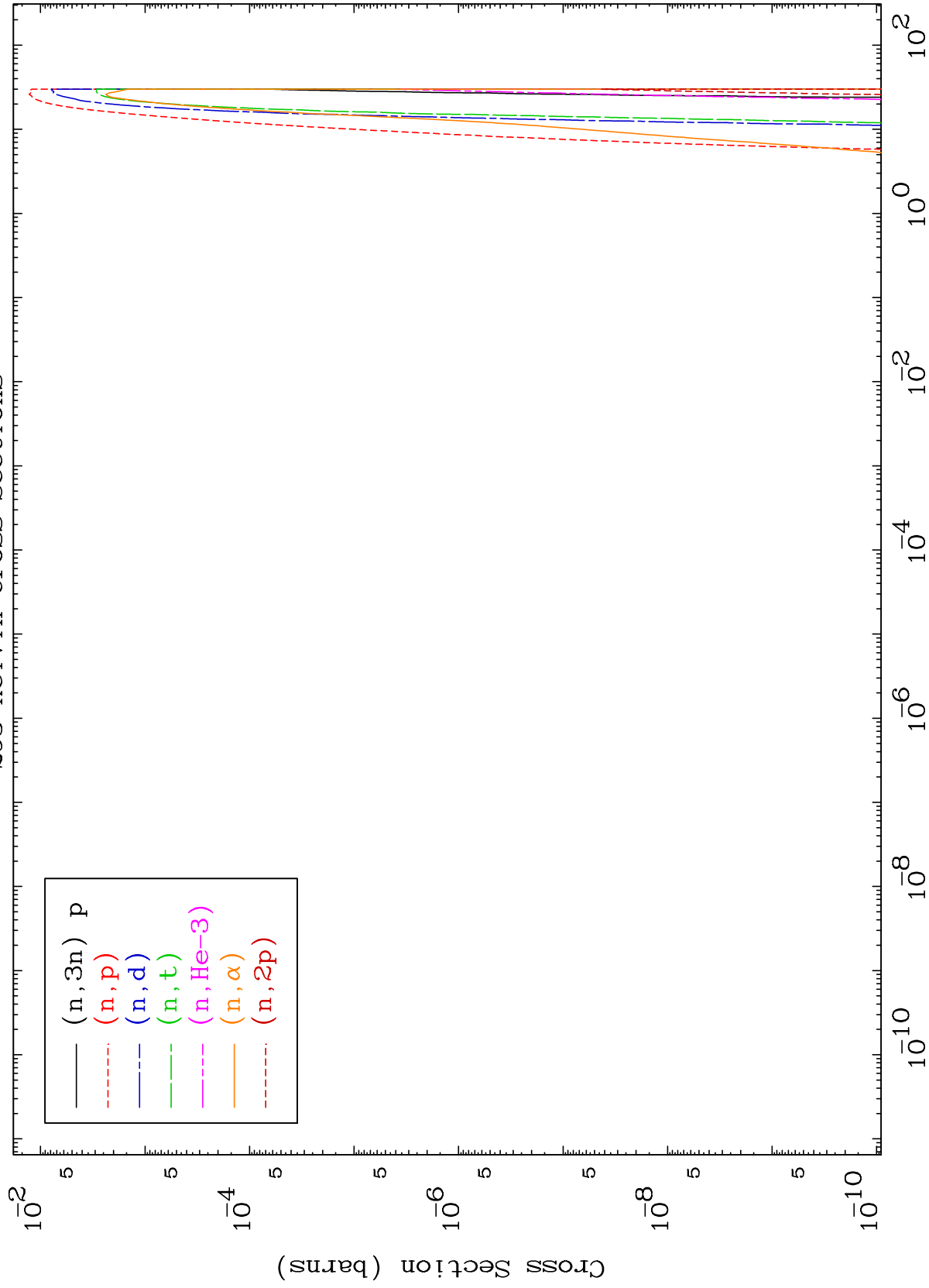
Incident Energy (MeV)

4

MAT 8052

293 Kelvin Cross Sections

80-Hg-205



5

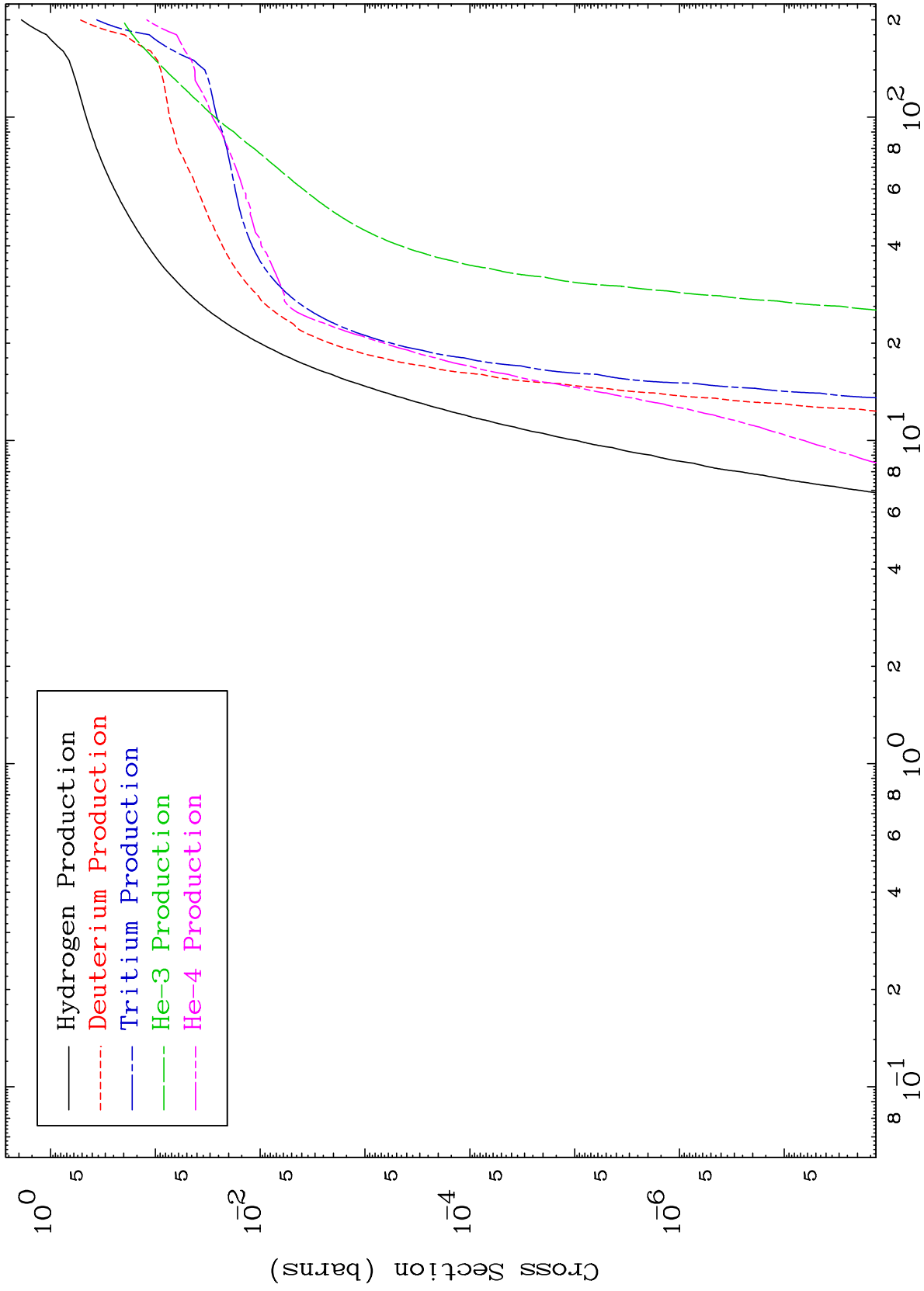
Incident Energy (MeV)

80-Hg-205

MAT 8052

Particle Production
293 Kelvin Cross Sections

80-Hg-205



6

Incident Energy (MeV)

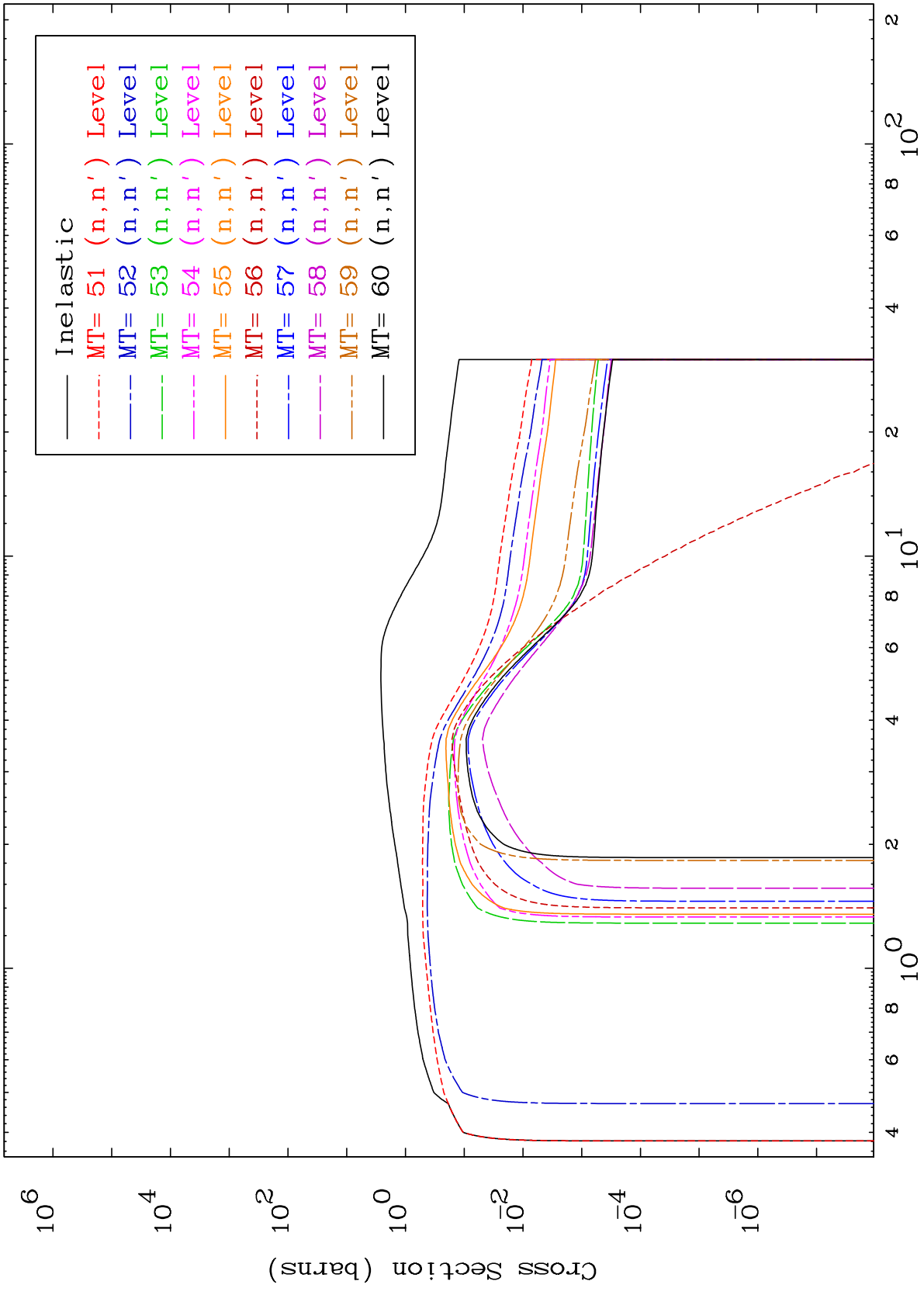
80-Hg-205

MAT 8052

(n,n') Level

80-Hg-205

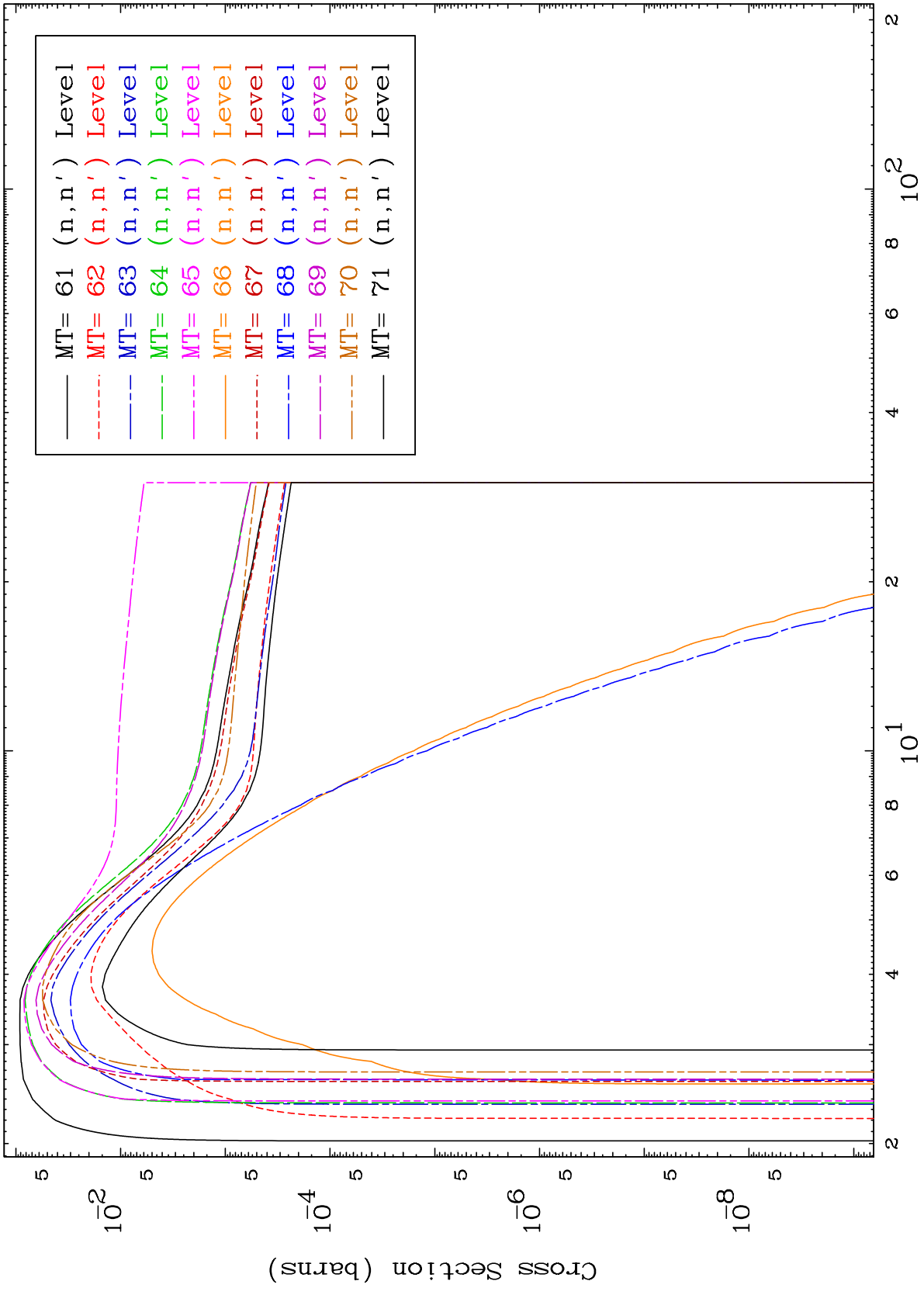
293 Kelvin Cross Sections



MAT 8052

(n,n') Level
293 Kelvin Cross Sections

80-Hg-205



8

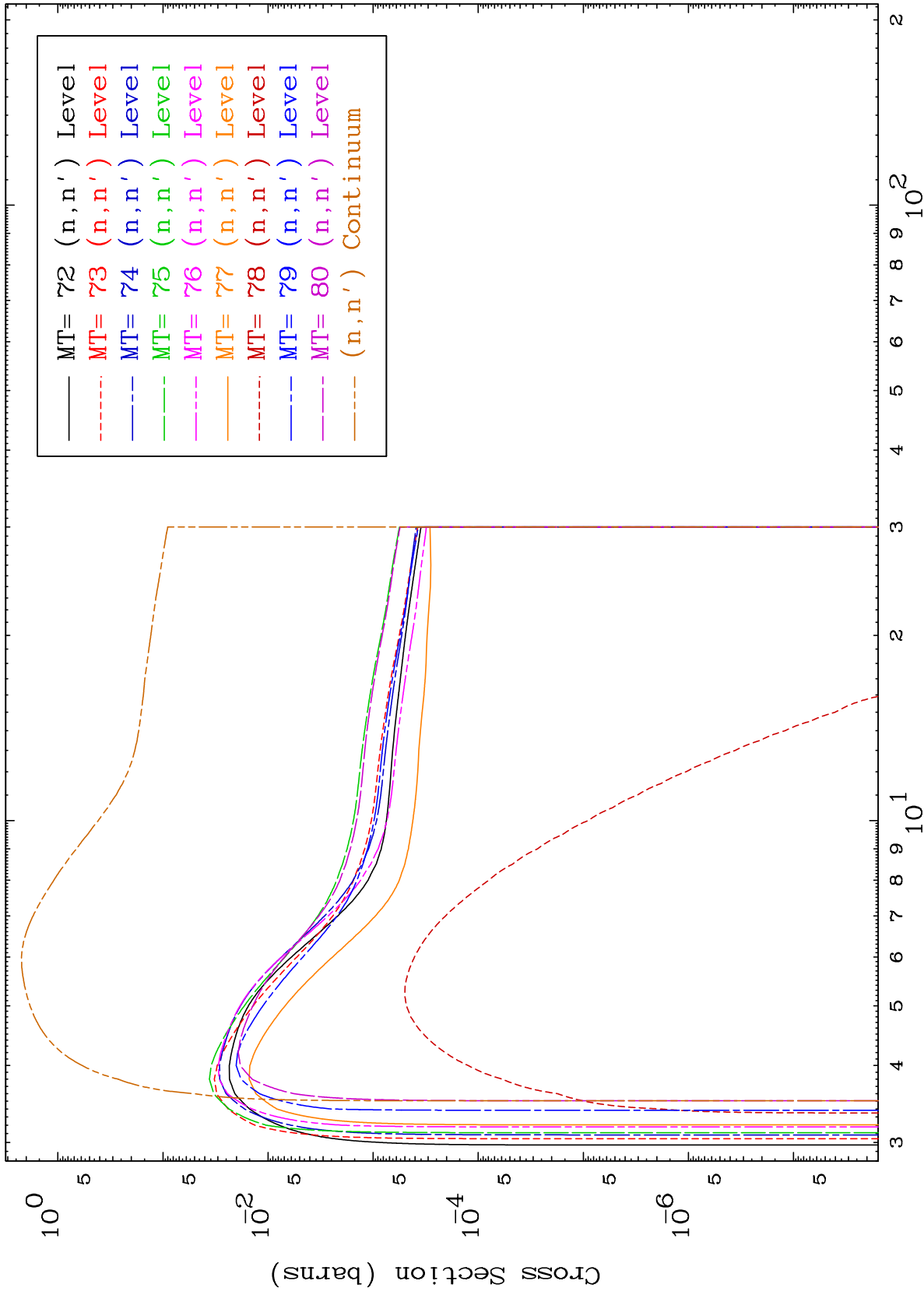
Incident Energy (MeV)

80-Hg-205

MAT 8052

(n,n') Level
293 Kelvin Cross Sections

80-Hg-205



9

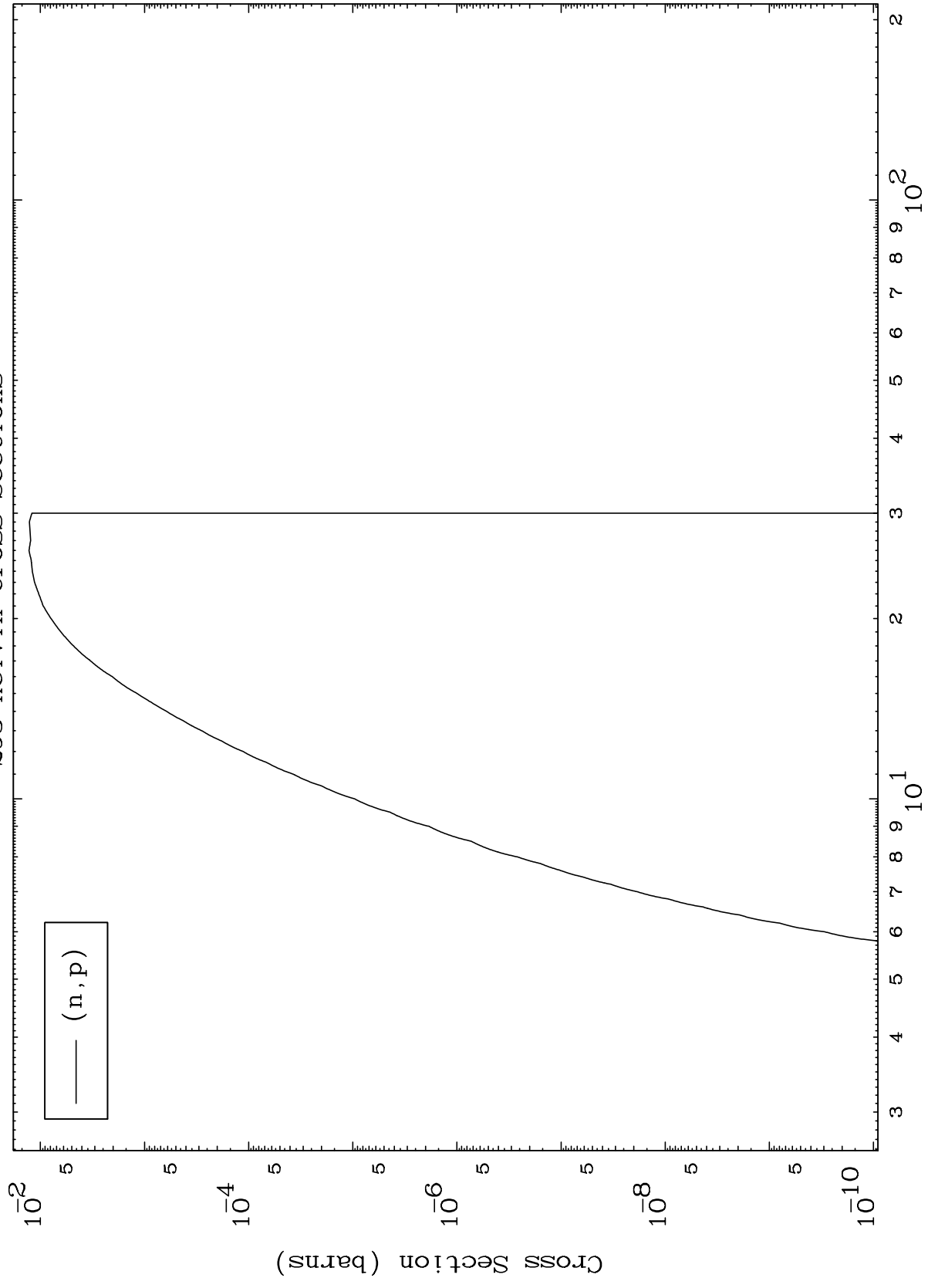
Incident Energy (MeV)

80-Hg-205

MAT 8052

(n,p) Levels
293 Kelvin Cross Sections

80-Hg-205



10

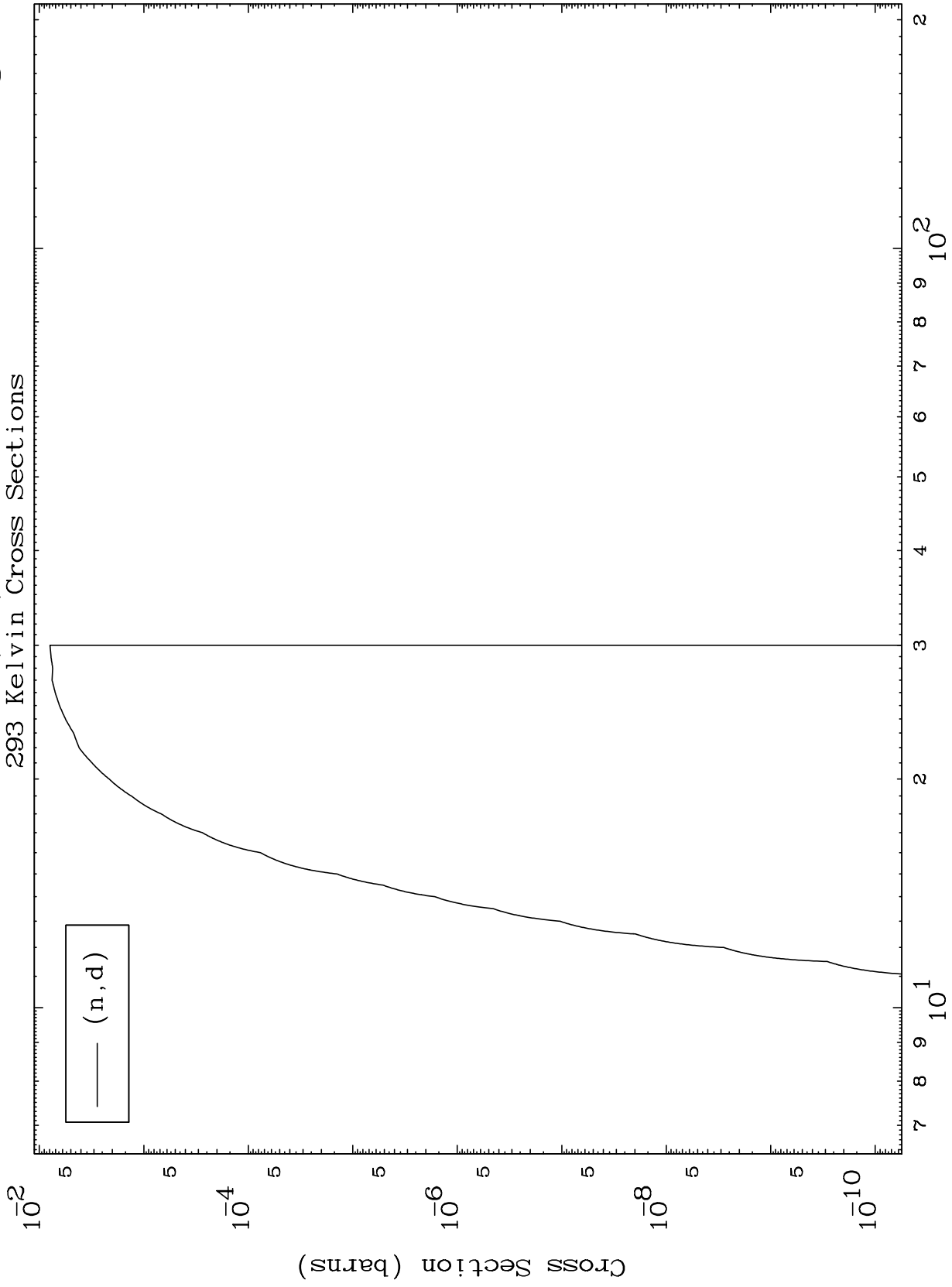
Incident Energy (MeV)

80-Hg-205

MAT 8052

(n,d) Levels
293 Kelvin Cross Sections

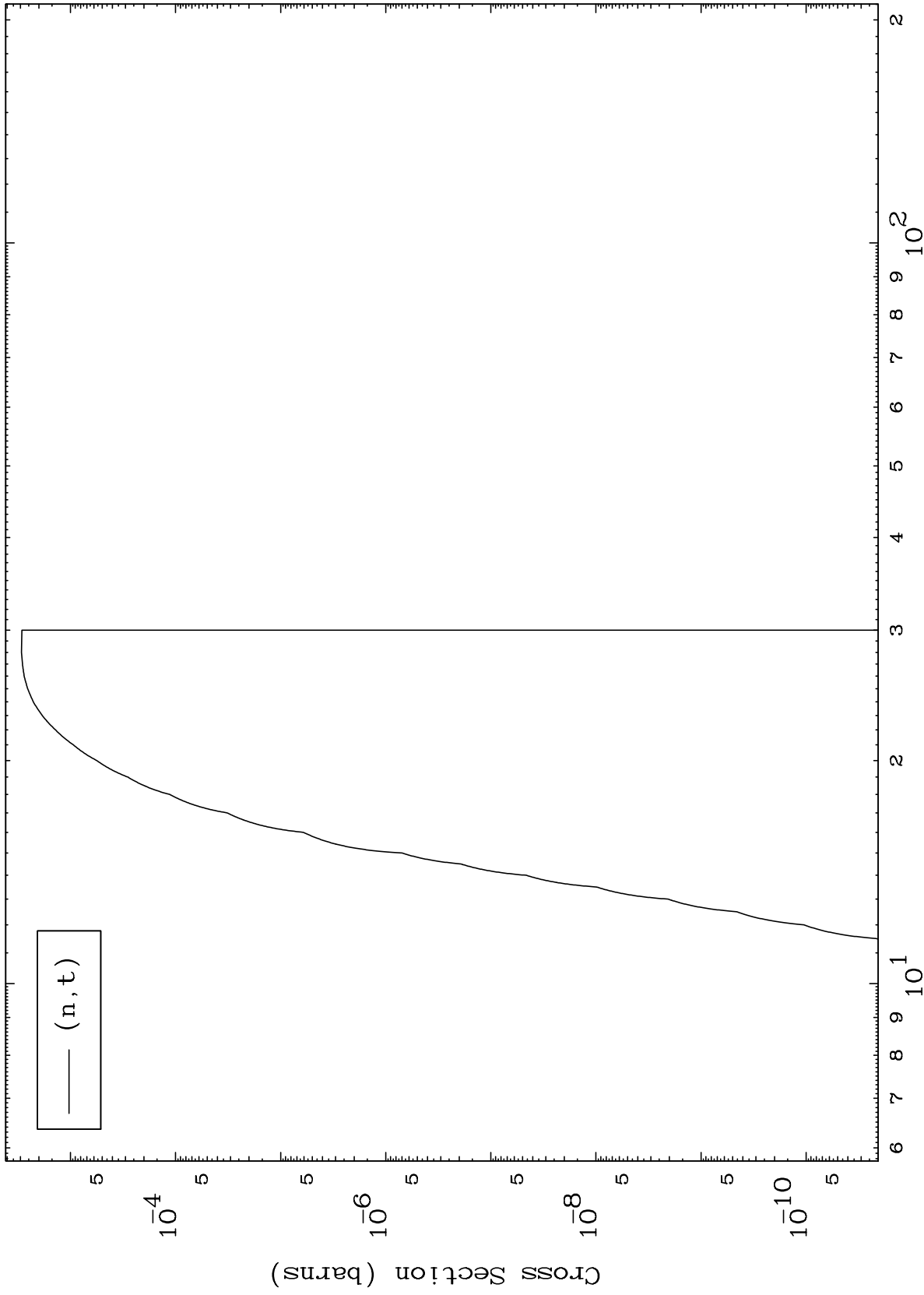
80-Hg-205



MAT 8052

(n,t) Levels
293 Kelvin Cross Sections

80-Hg-205



12

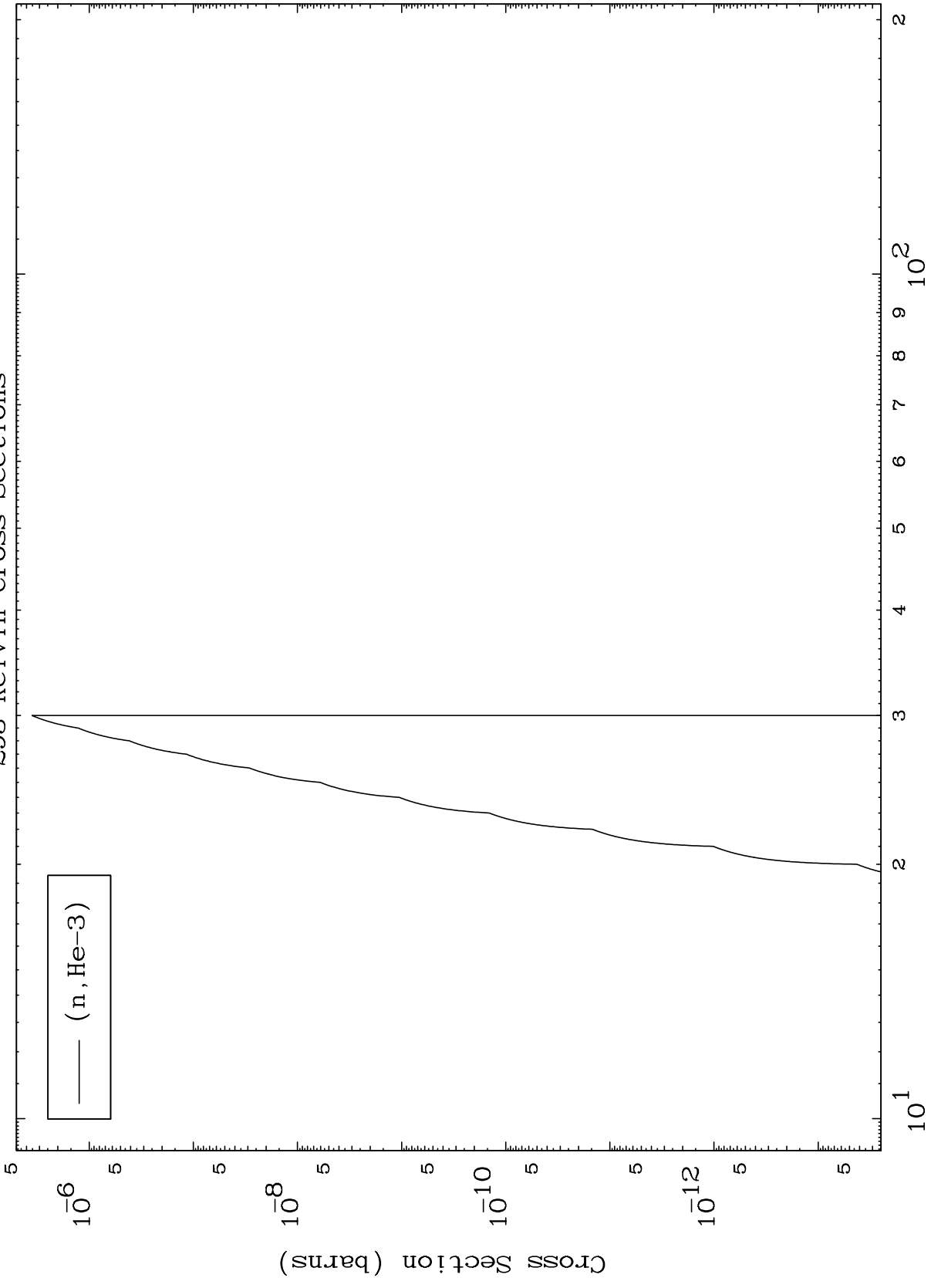
Incident Energy (MeV)

80-Hg-205

MAT 8052

(n,He3) Levels
293 Kelvin Cross Sections

80-Hg-205



13

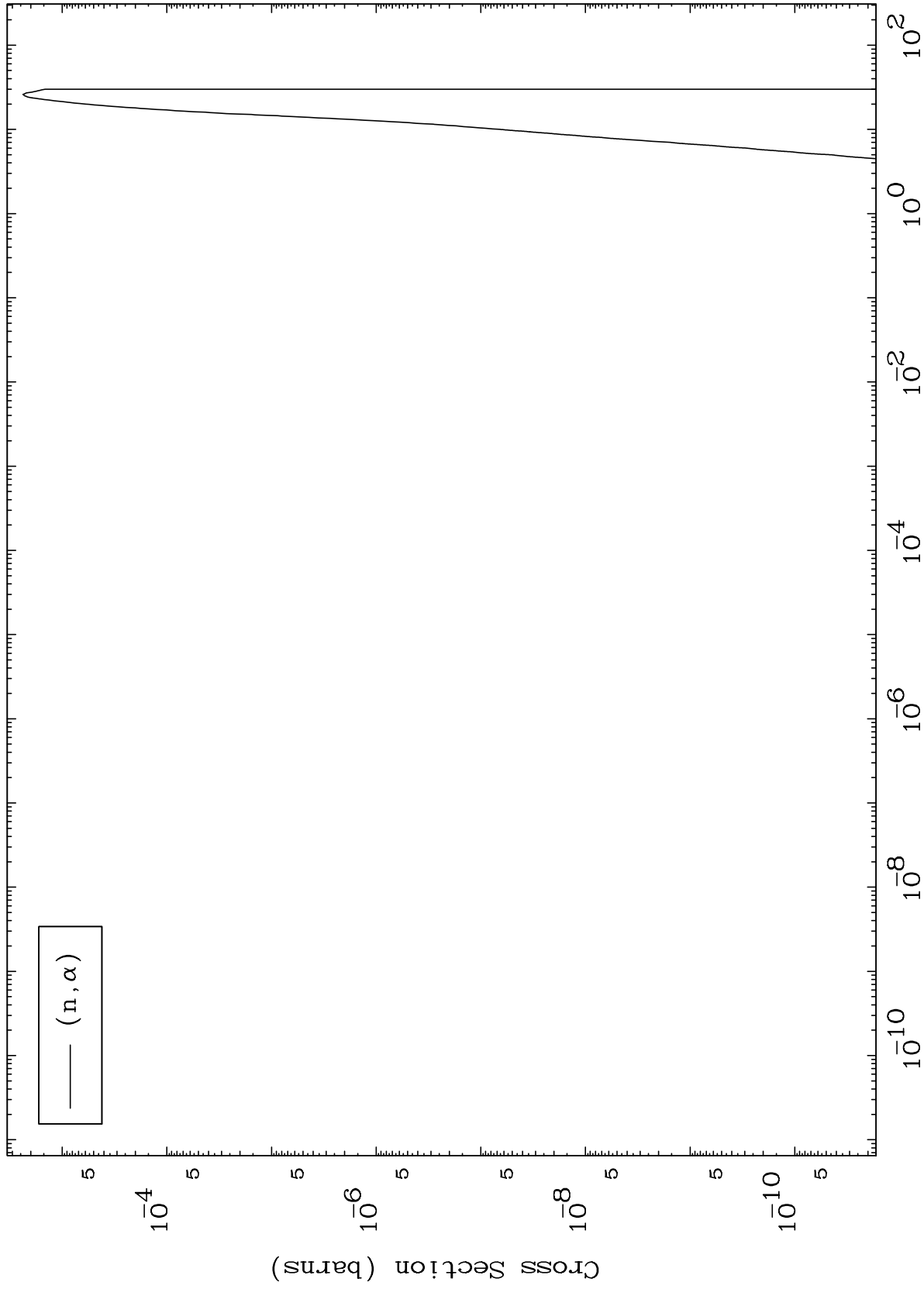
Incident Energy (MeV)

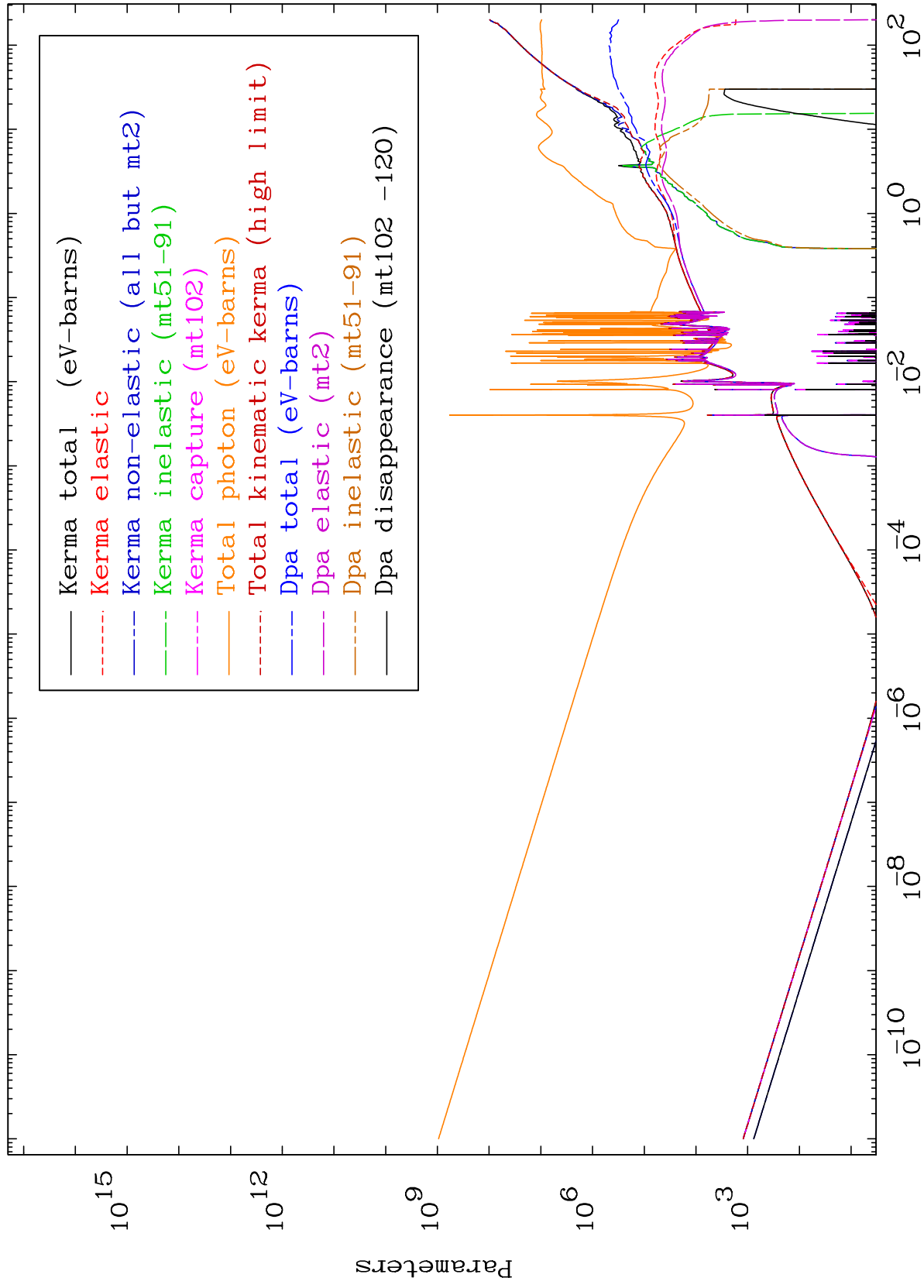
80-Hg-205

MAT 8052

(n,α) Levels
293 Kelvin Cross Sections

80-Hg-205

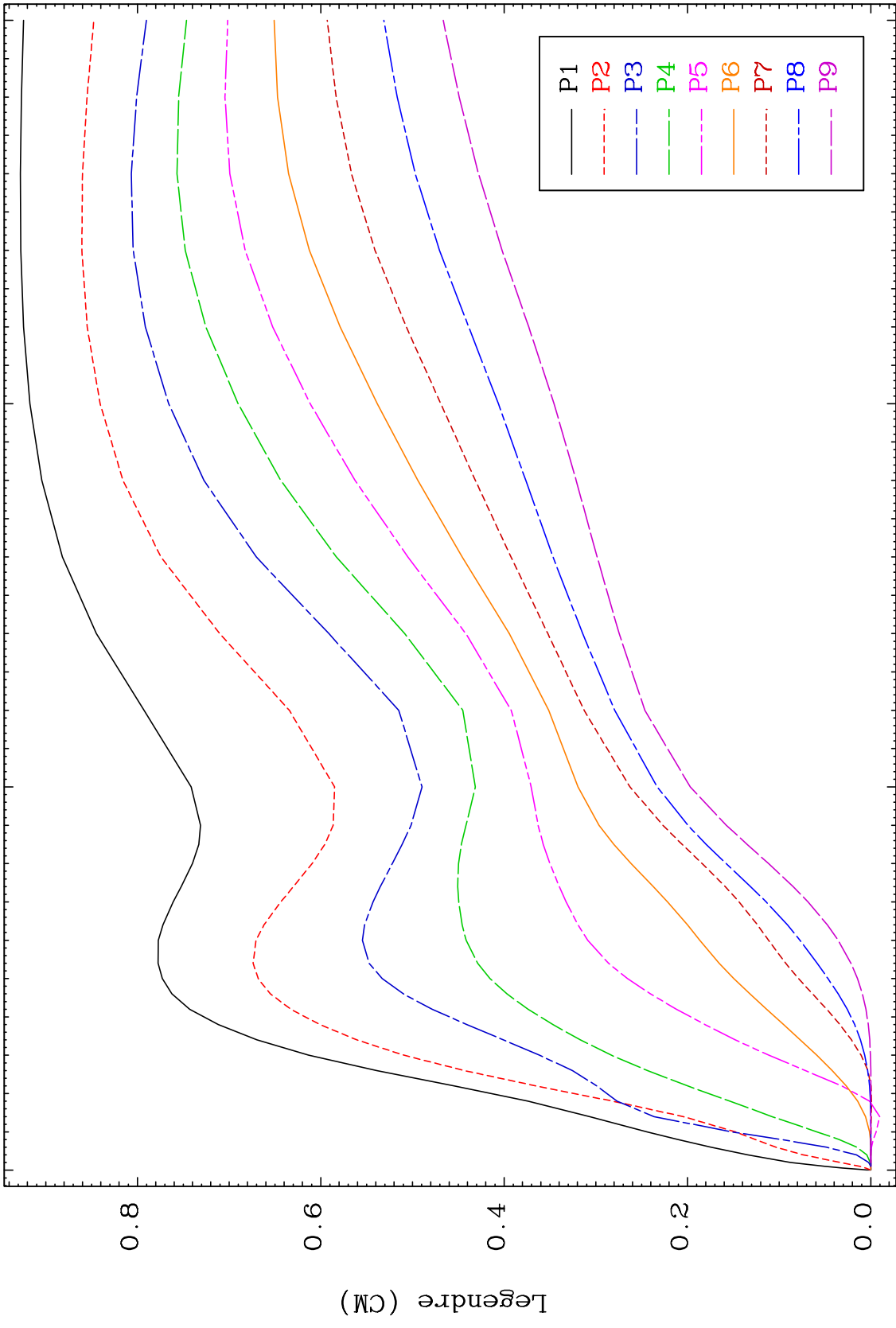




MAT 8052

Elastic Legendre Coefficients

80-Hg-205



0

16

10

20

30

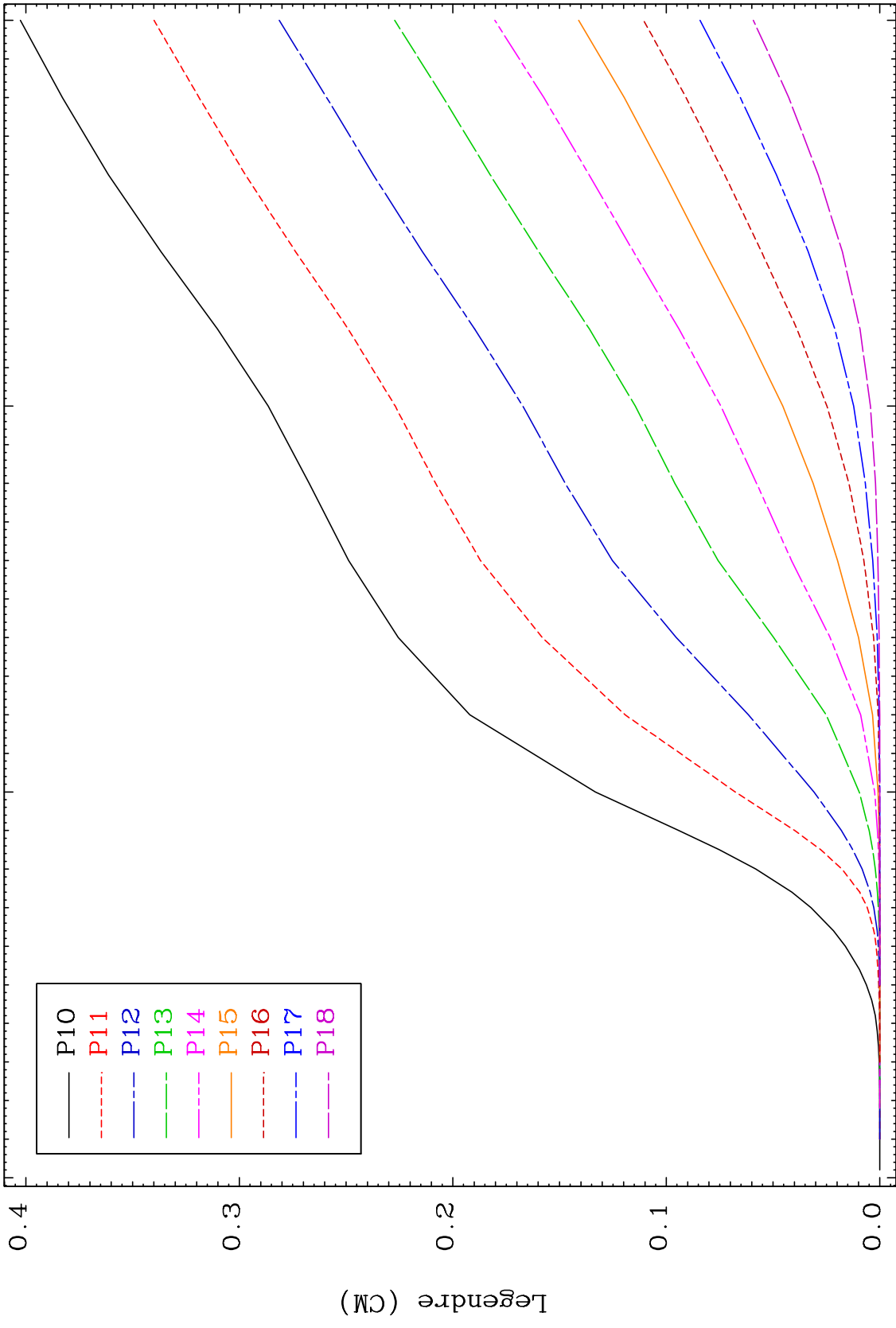
Incident Energy (MeV)

80-Hg-205

MAT 8052

Elastic Legendre Coefficients

80-Hg-205



17

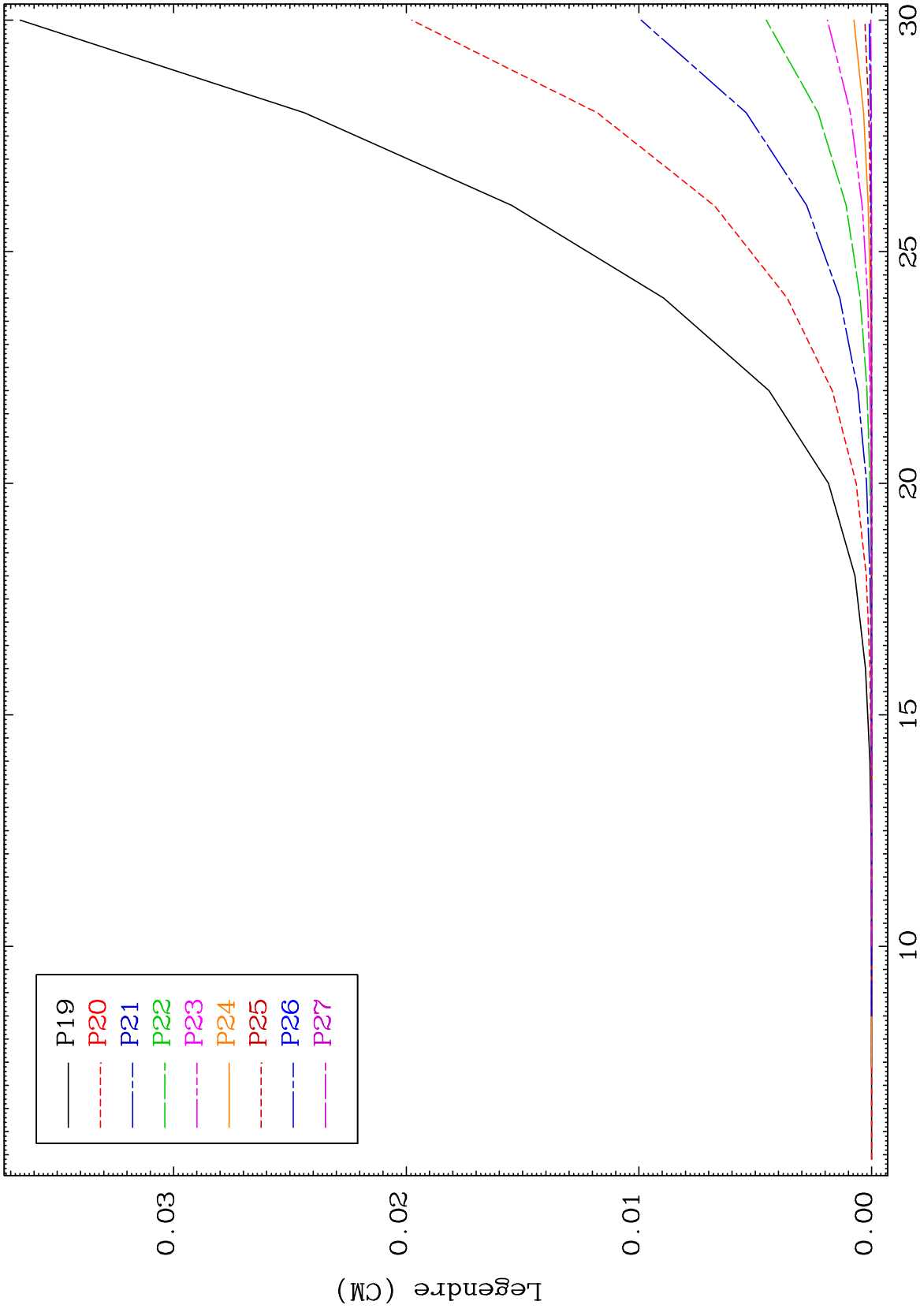
Incident Energy (MeV)

80-Hg-205

MAT 8052

Elastic Legendre Coefficients

80-Hg-205



18

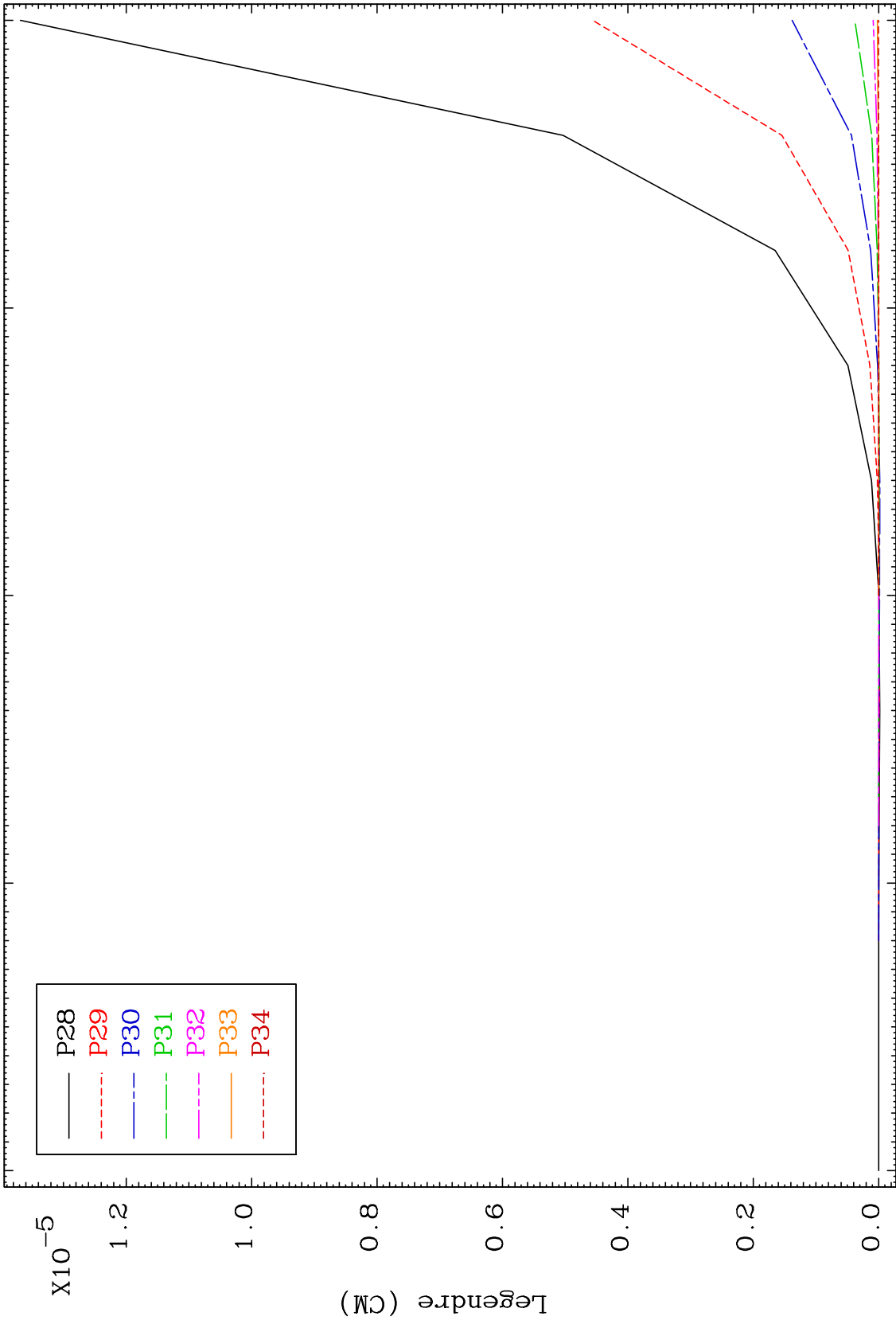
Incident Energy (MeV)

80-Hg-205

MAT 8052

Elastic Legendre Coefficients

80-Hg-205



19

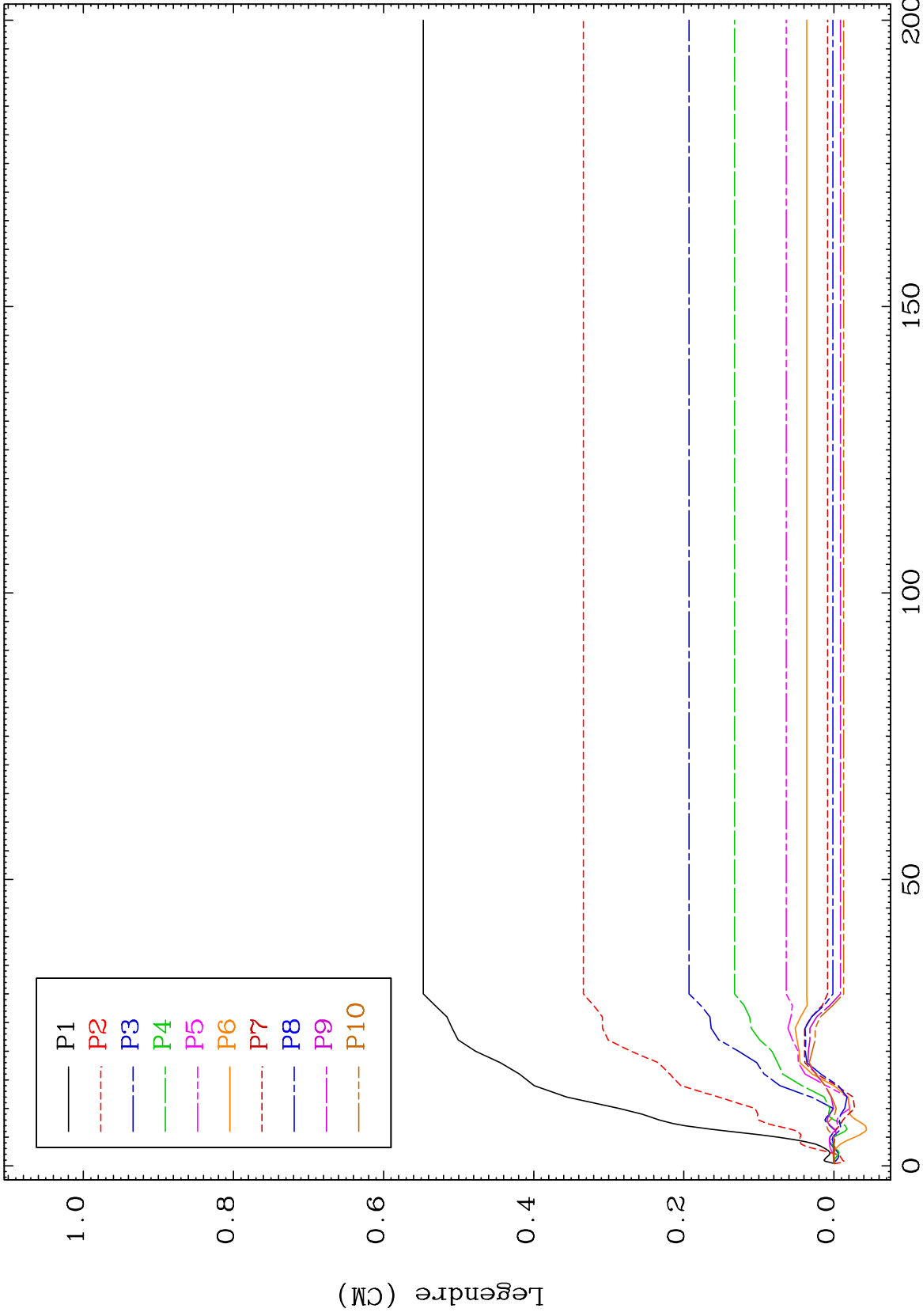
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205



0

50

100

150

200

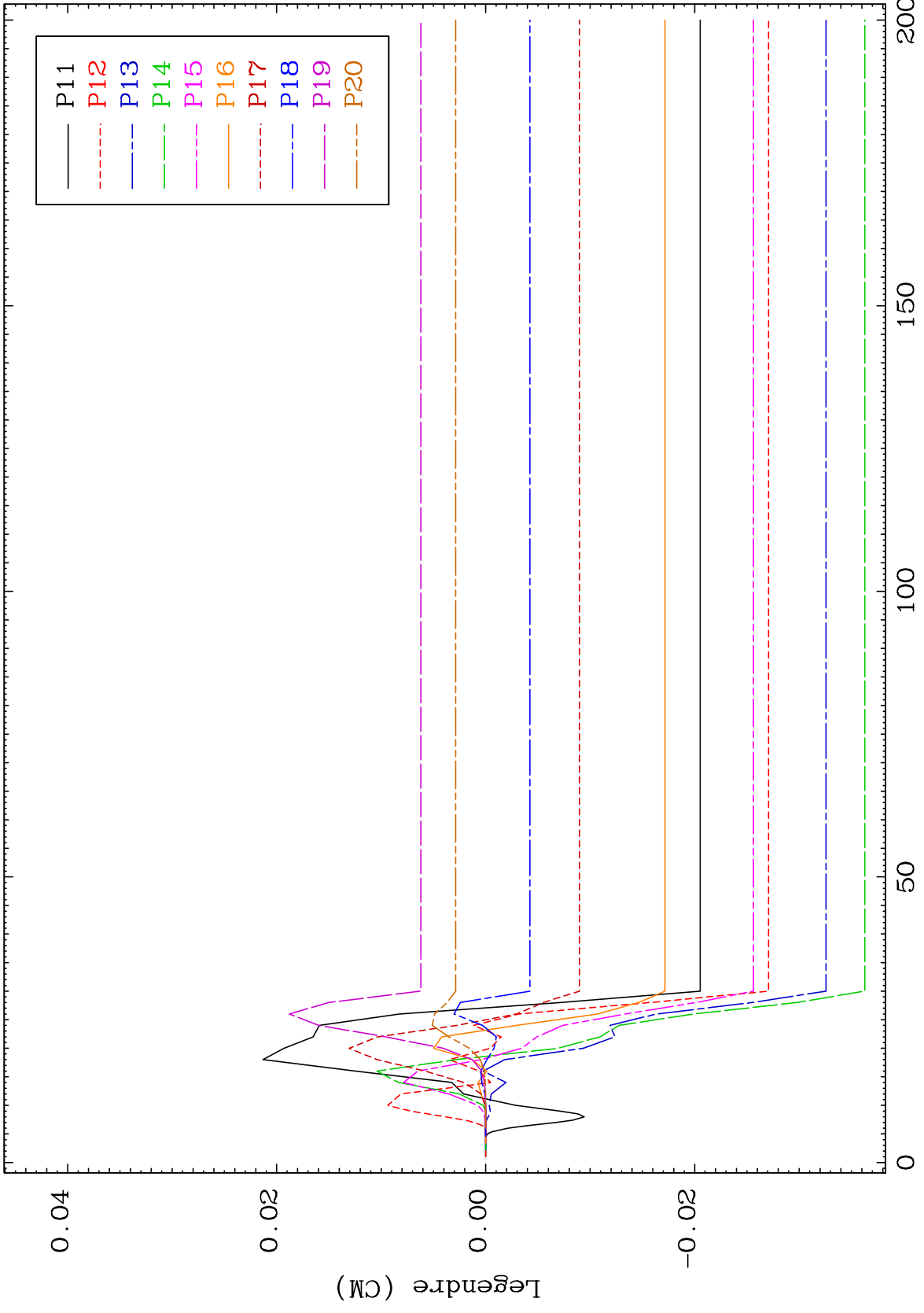
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205



21

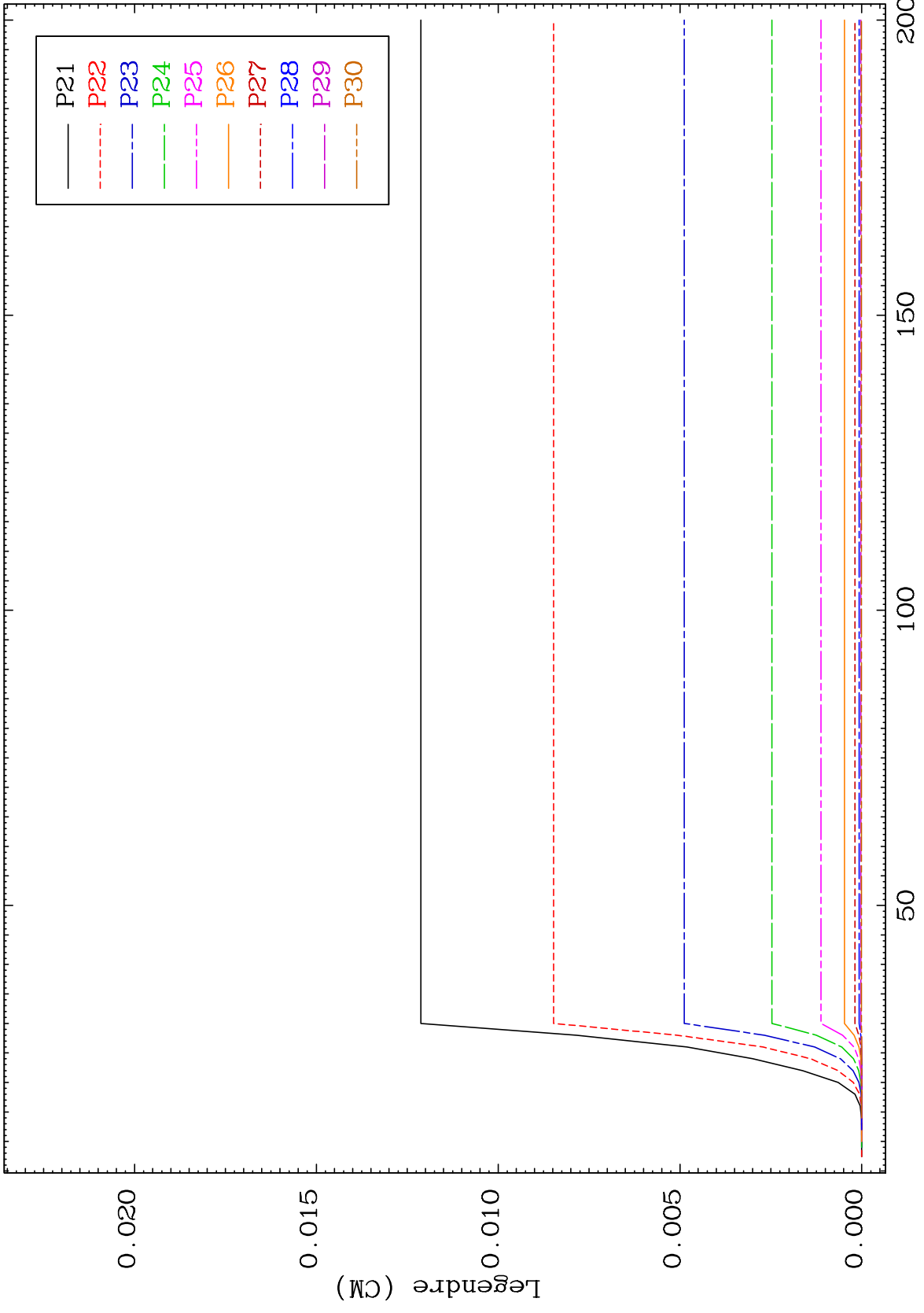
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205



22

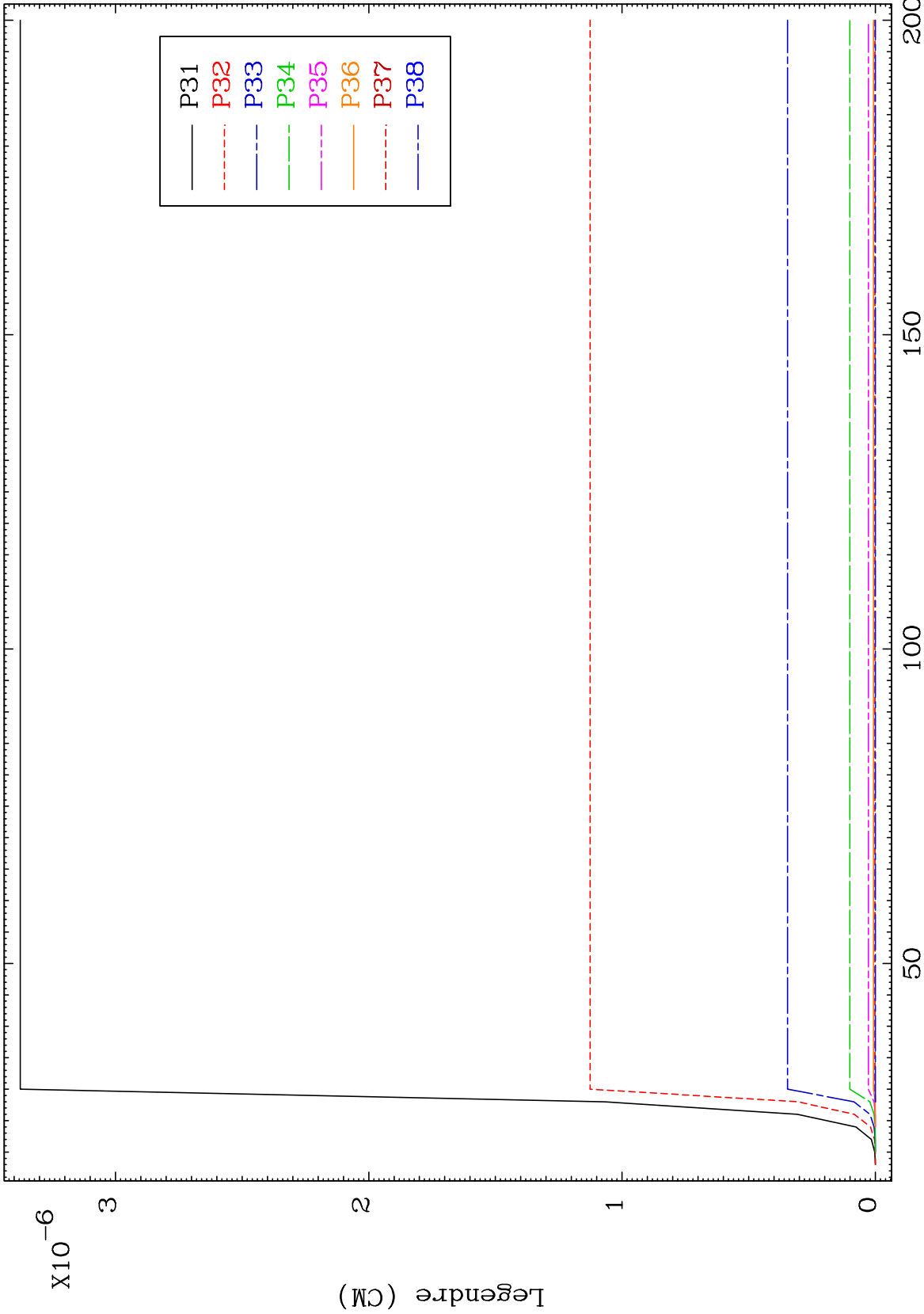
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205



23

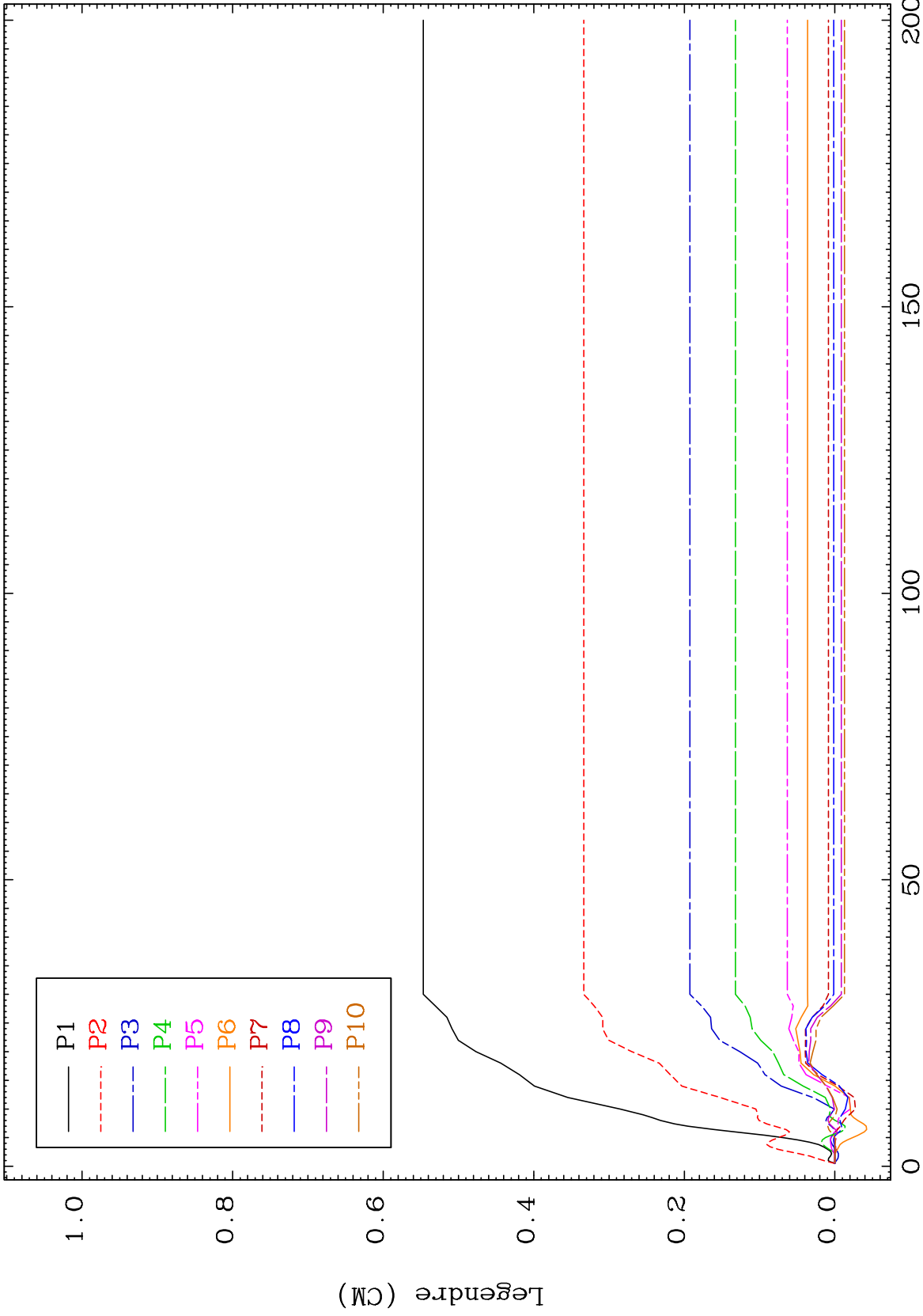
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205



24

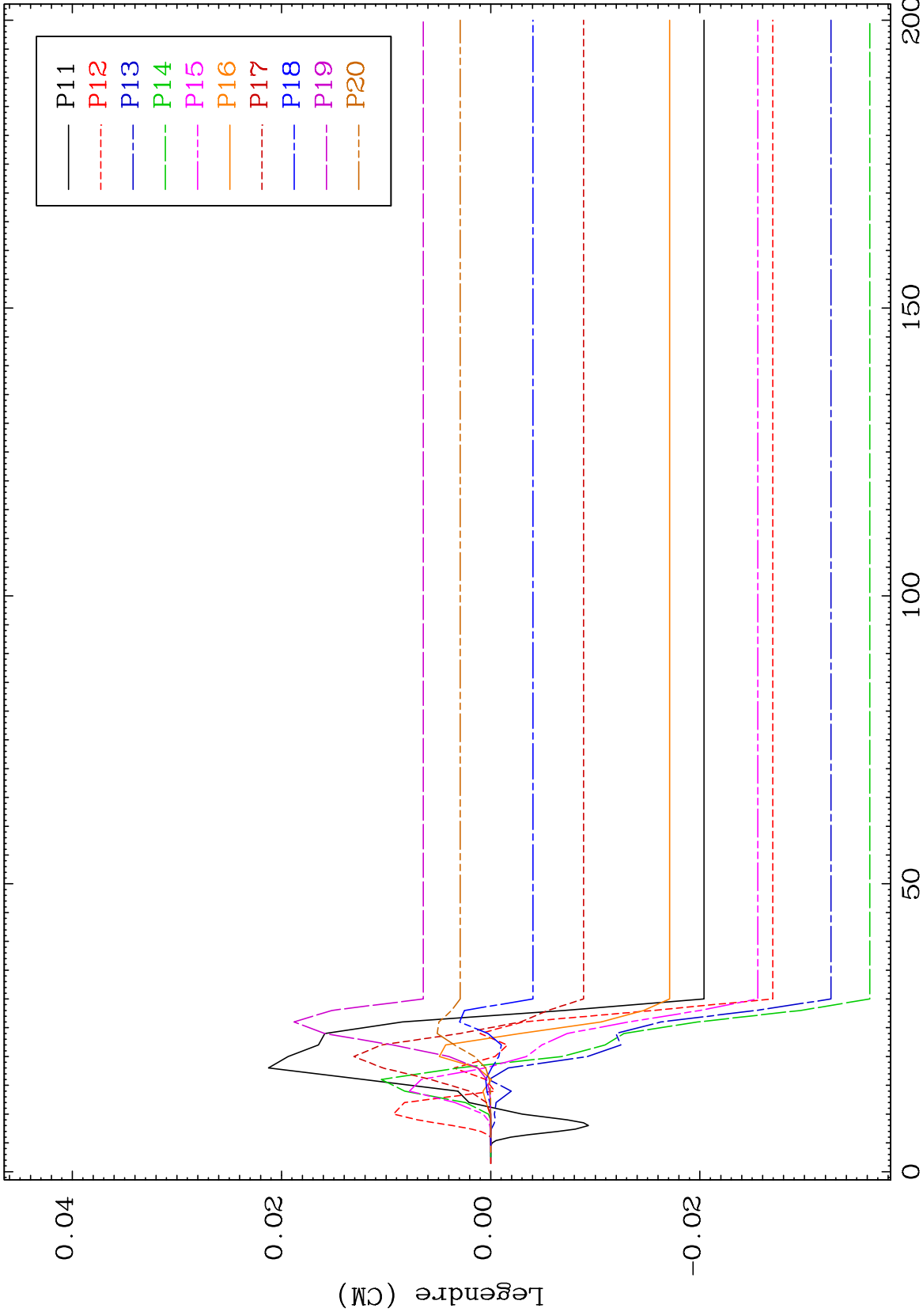
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205



25

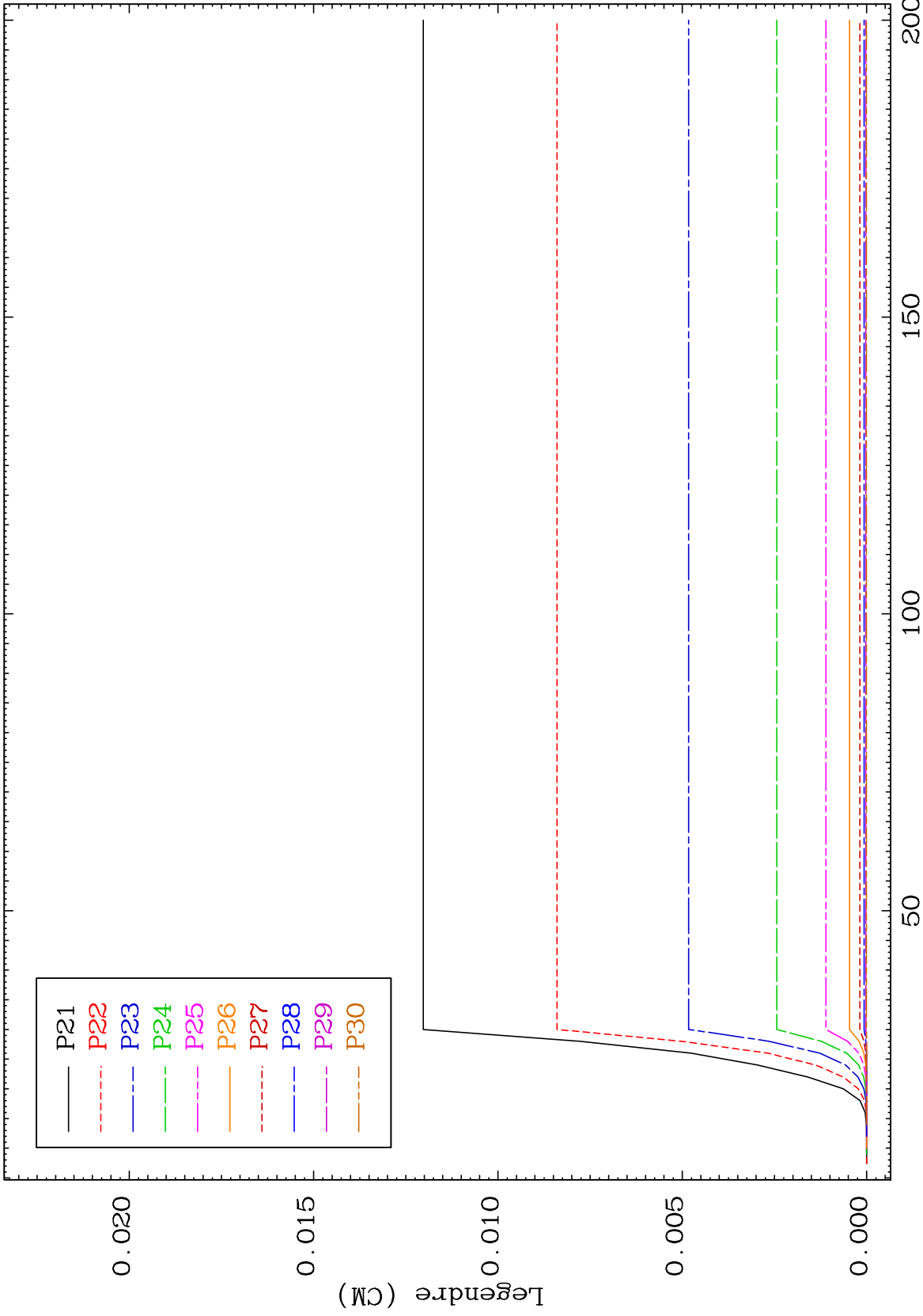
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205



26

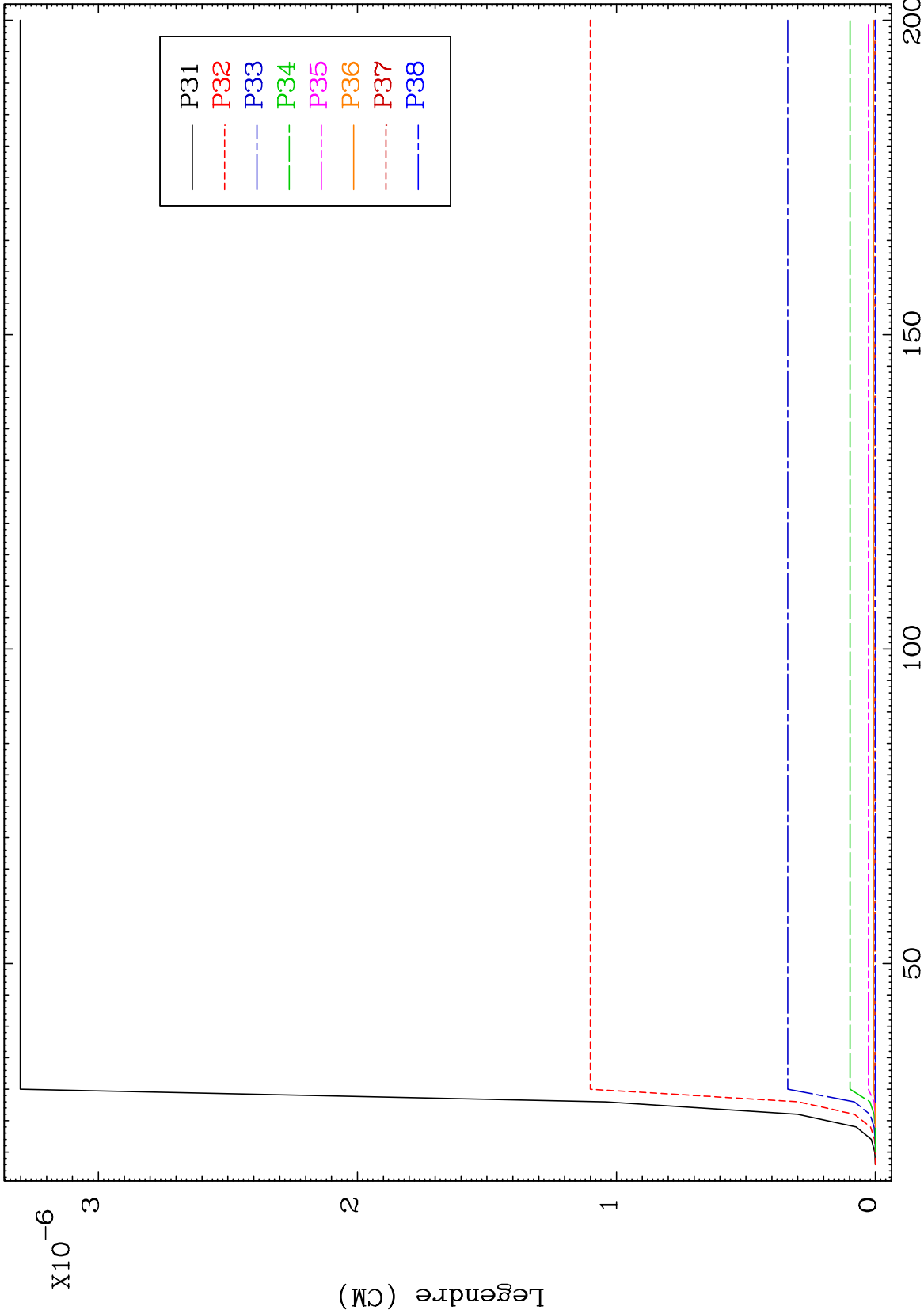
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205



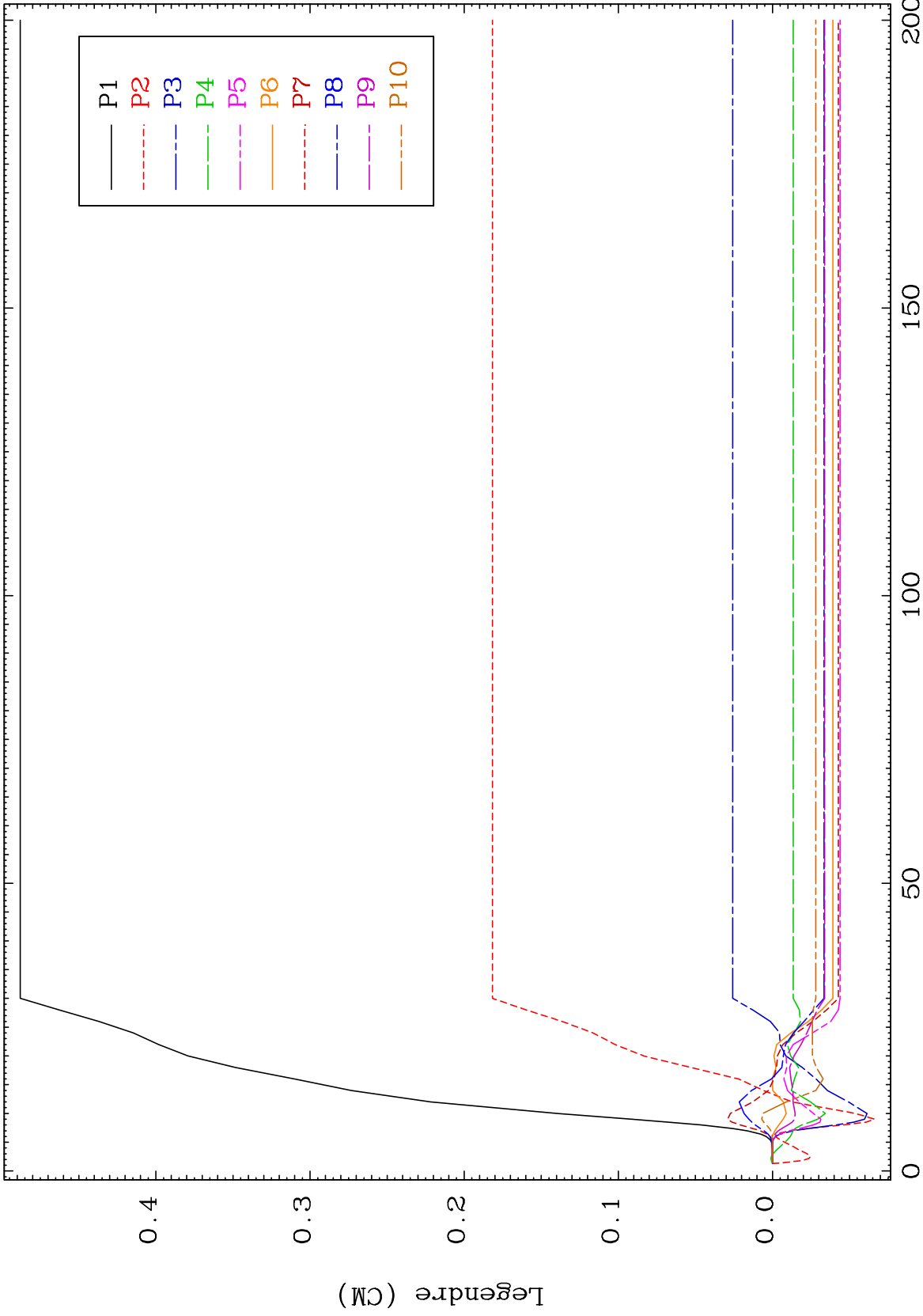
27

80-Hg-205

MAT 8052

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

80-Hg-205



28

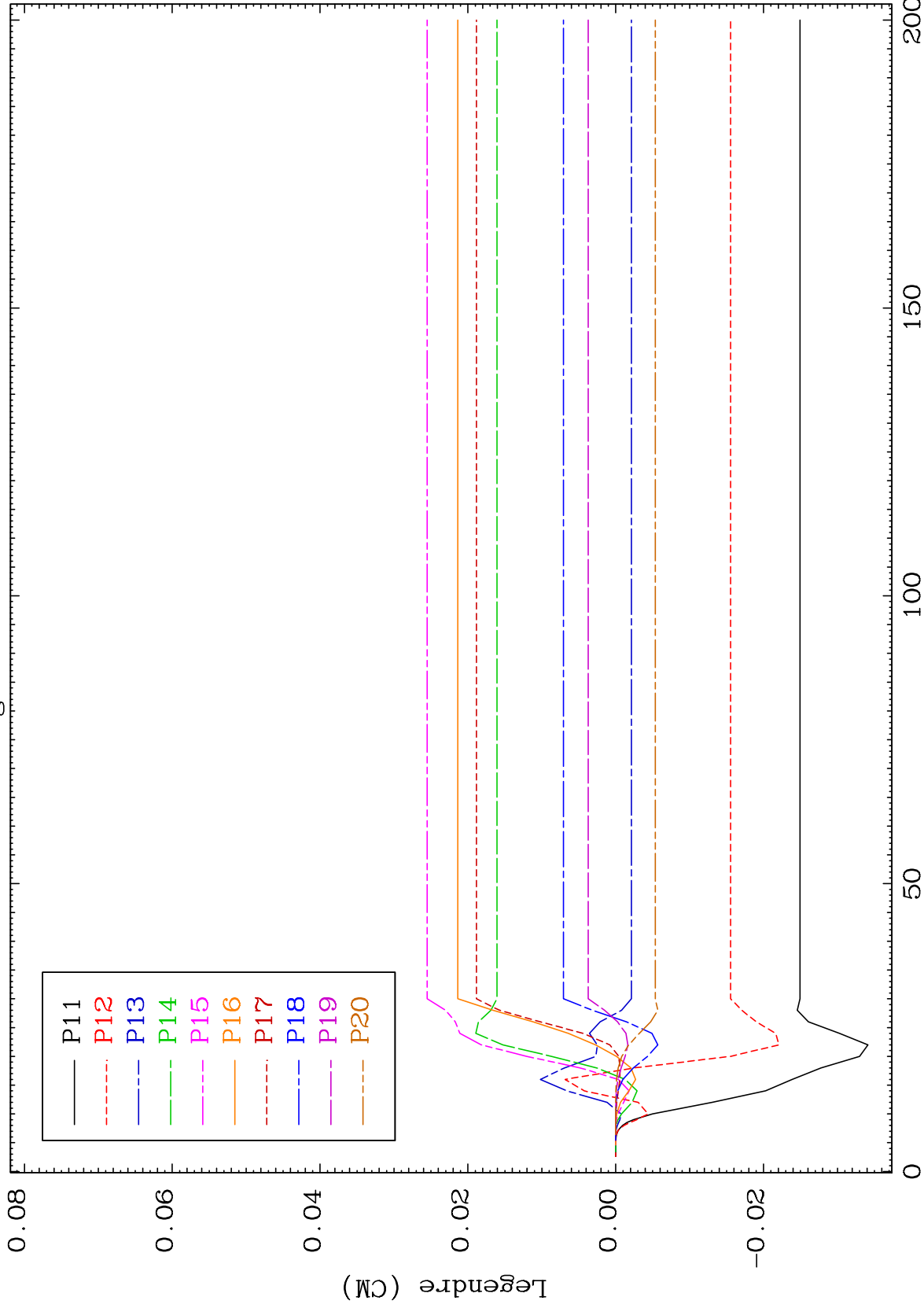
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205



29

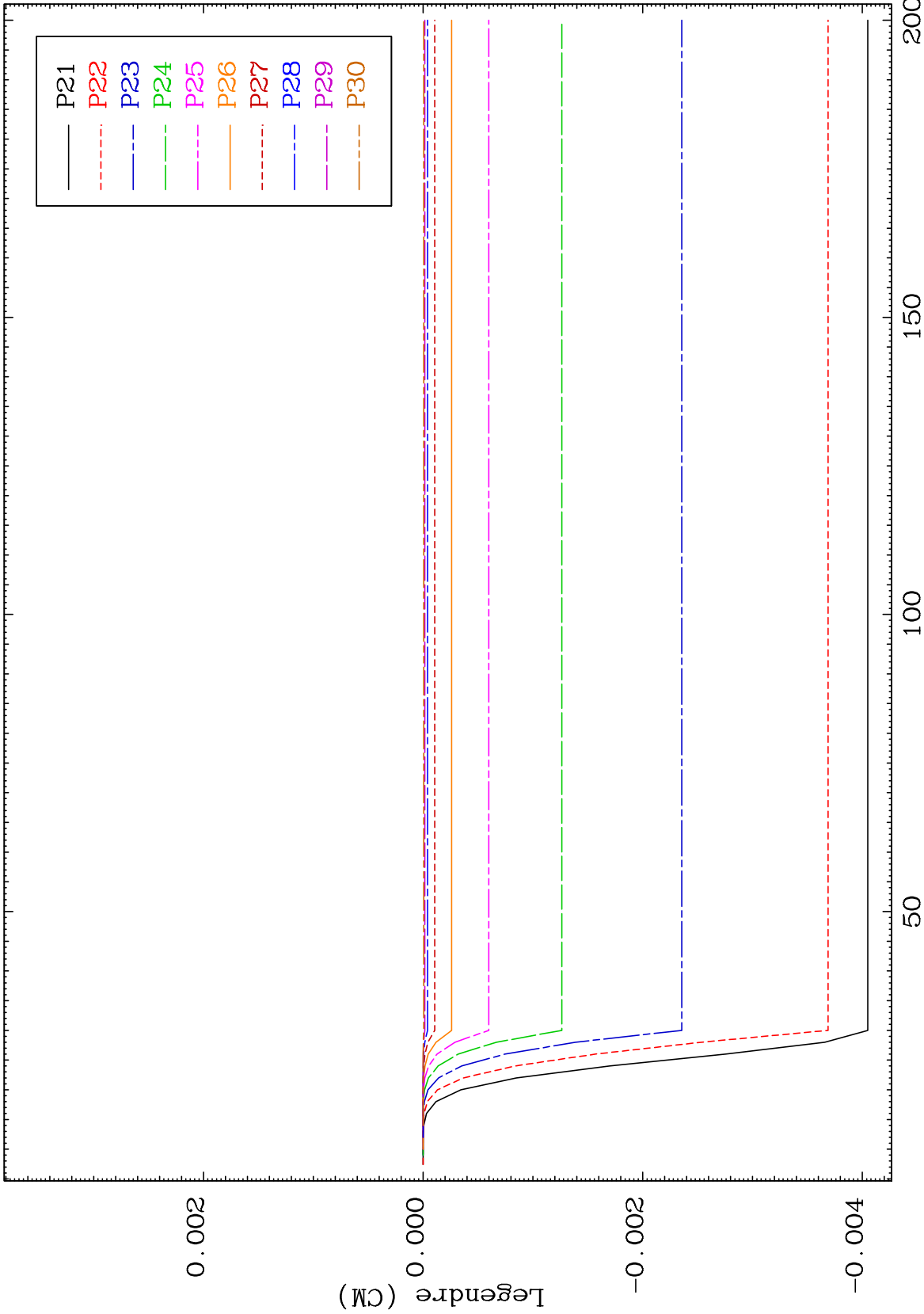
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

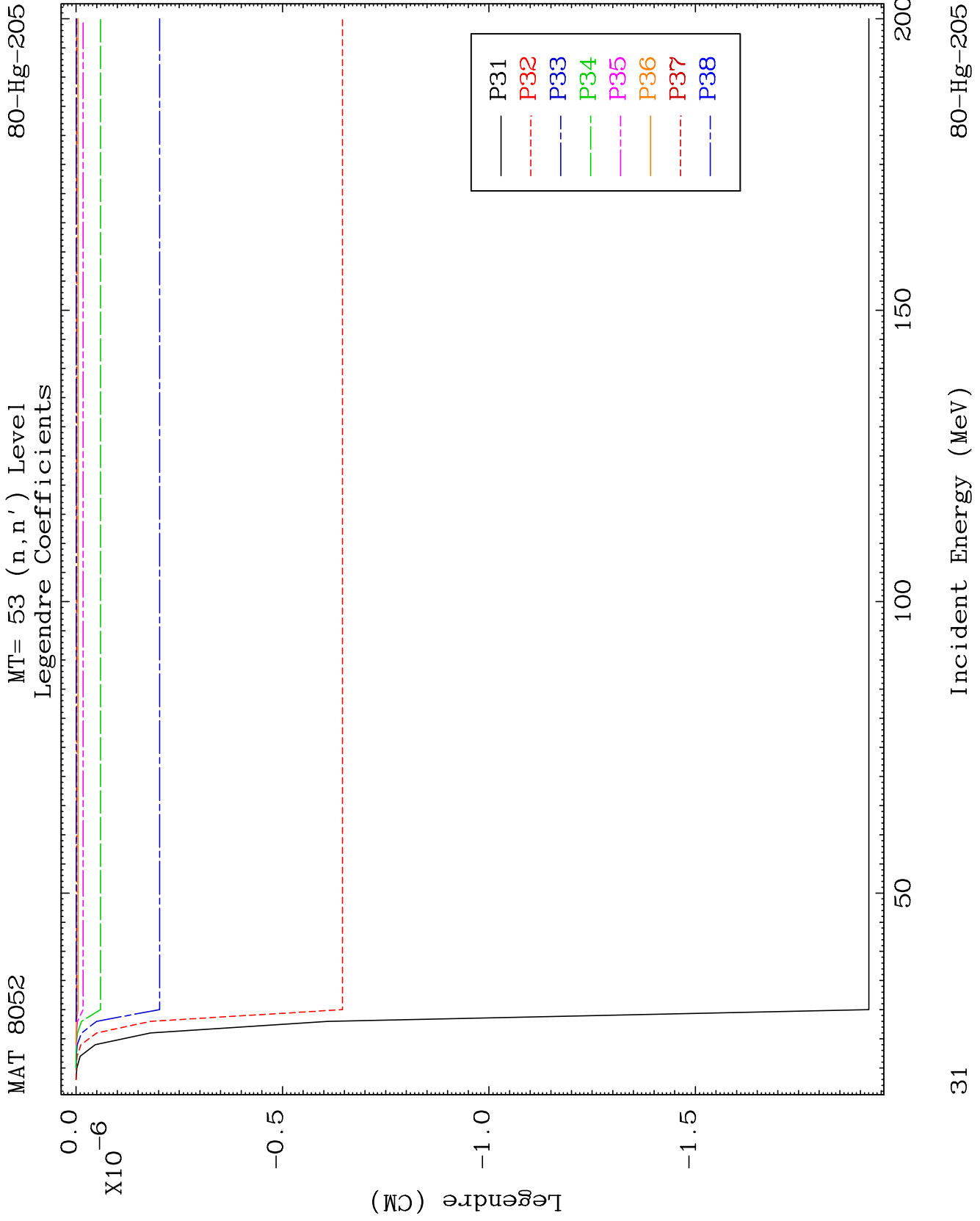
80-Hg-205



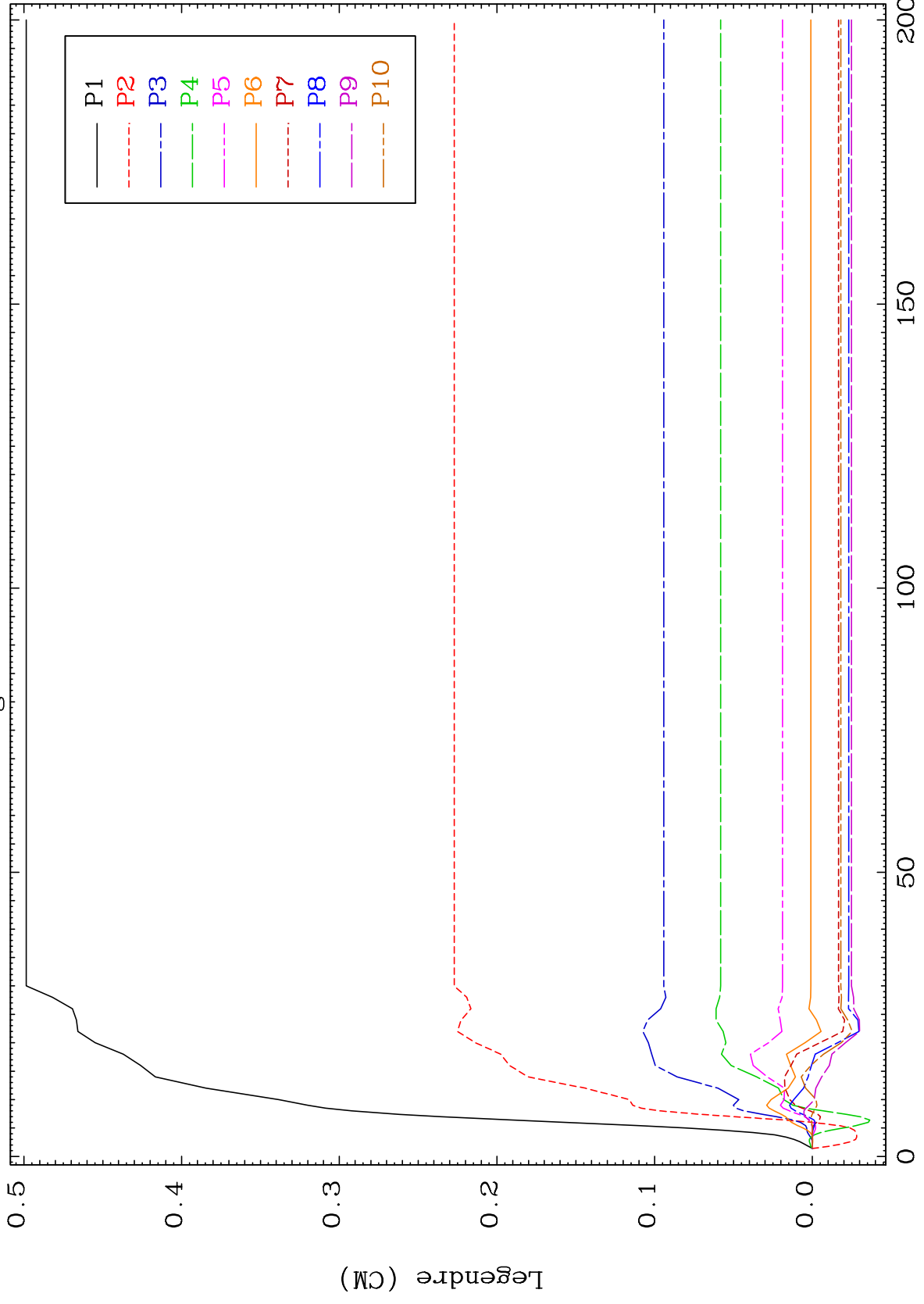
30

Incident Energy (MeV)

80-Hg-205



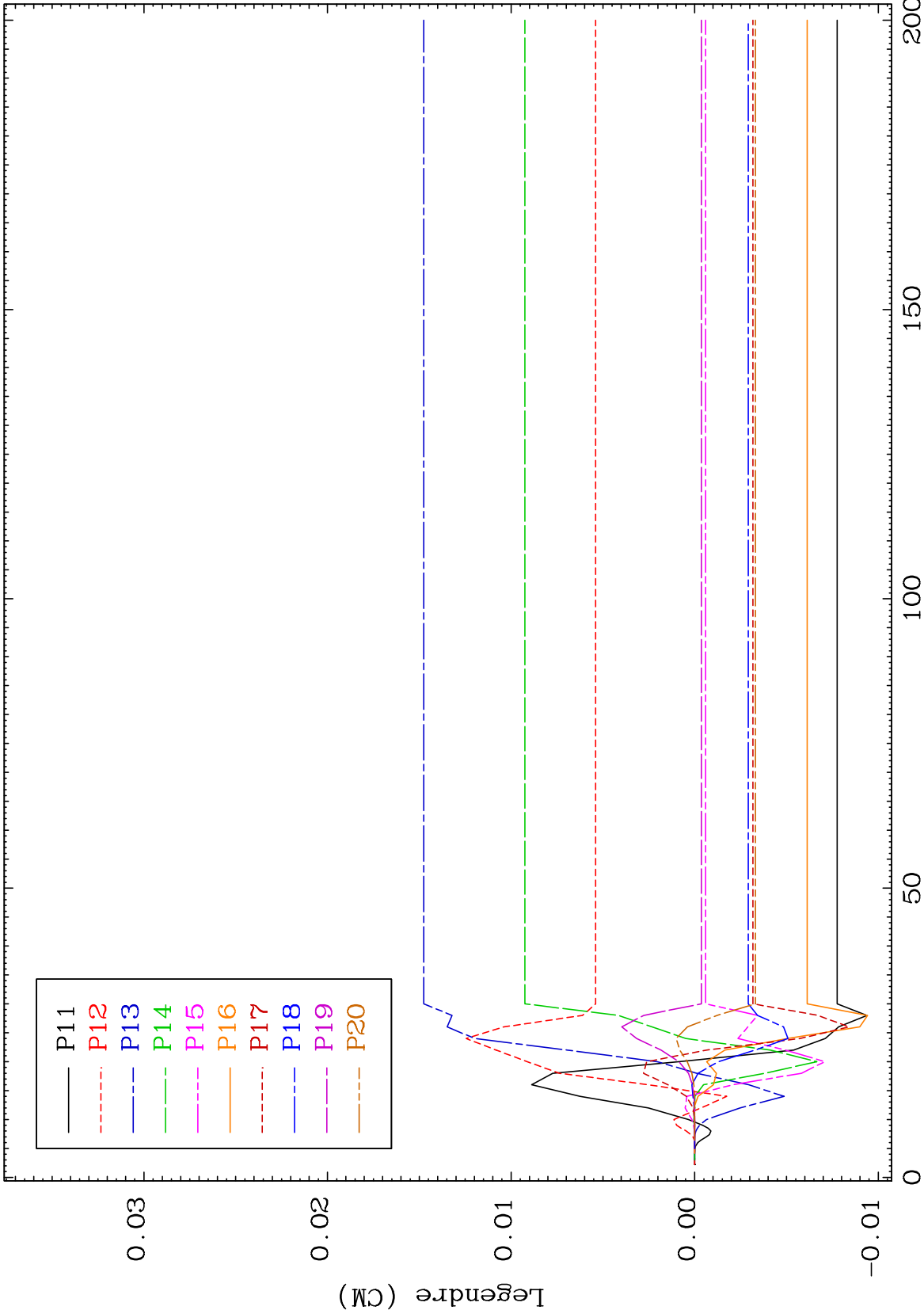
MAT 8052 MT= 54 (n,n') Level Legendre Coefficients 80-Hg-205



MAT 8052

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

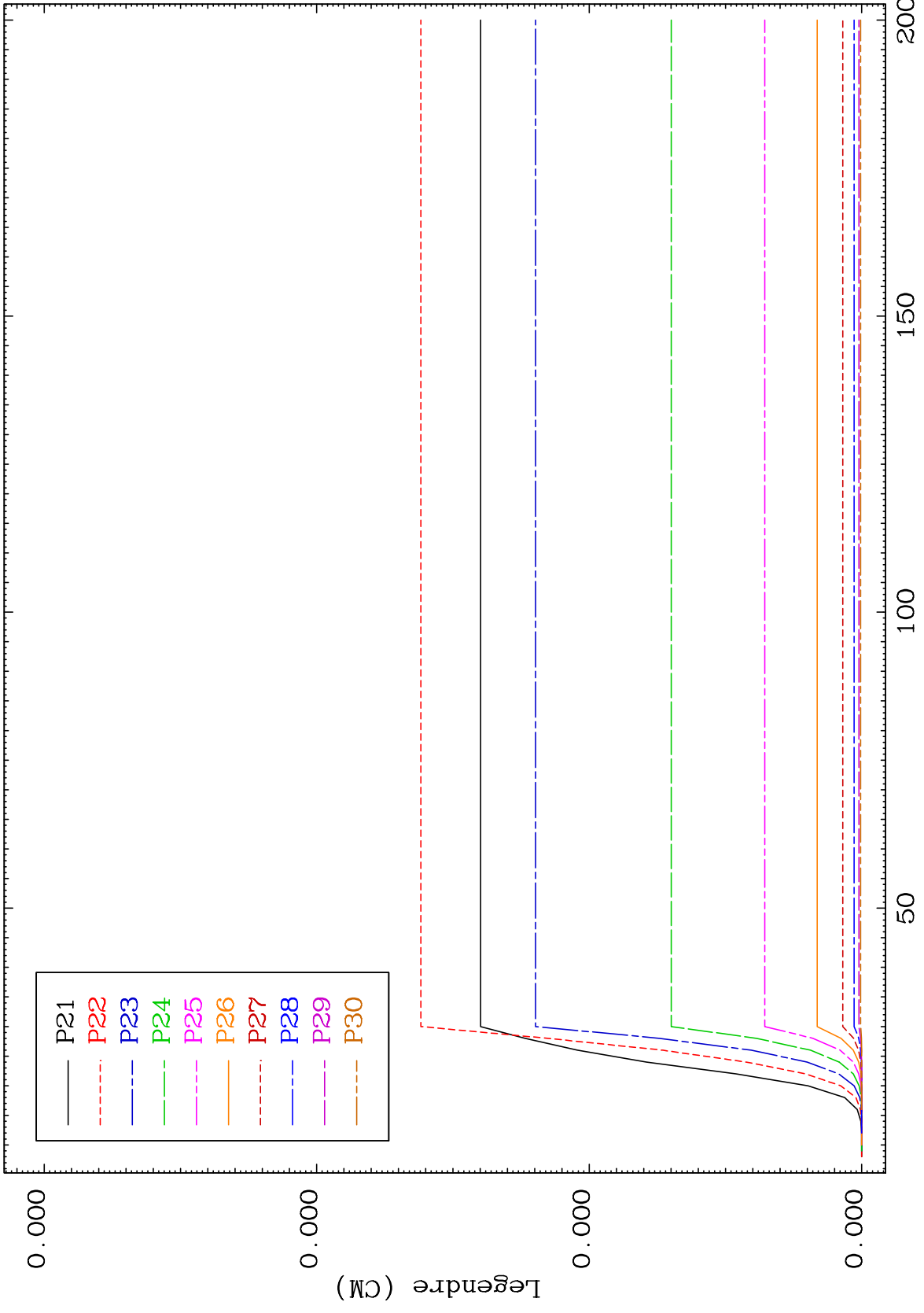
80-Hg-205



MAT 8052

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

80-Hg-205



34

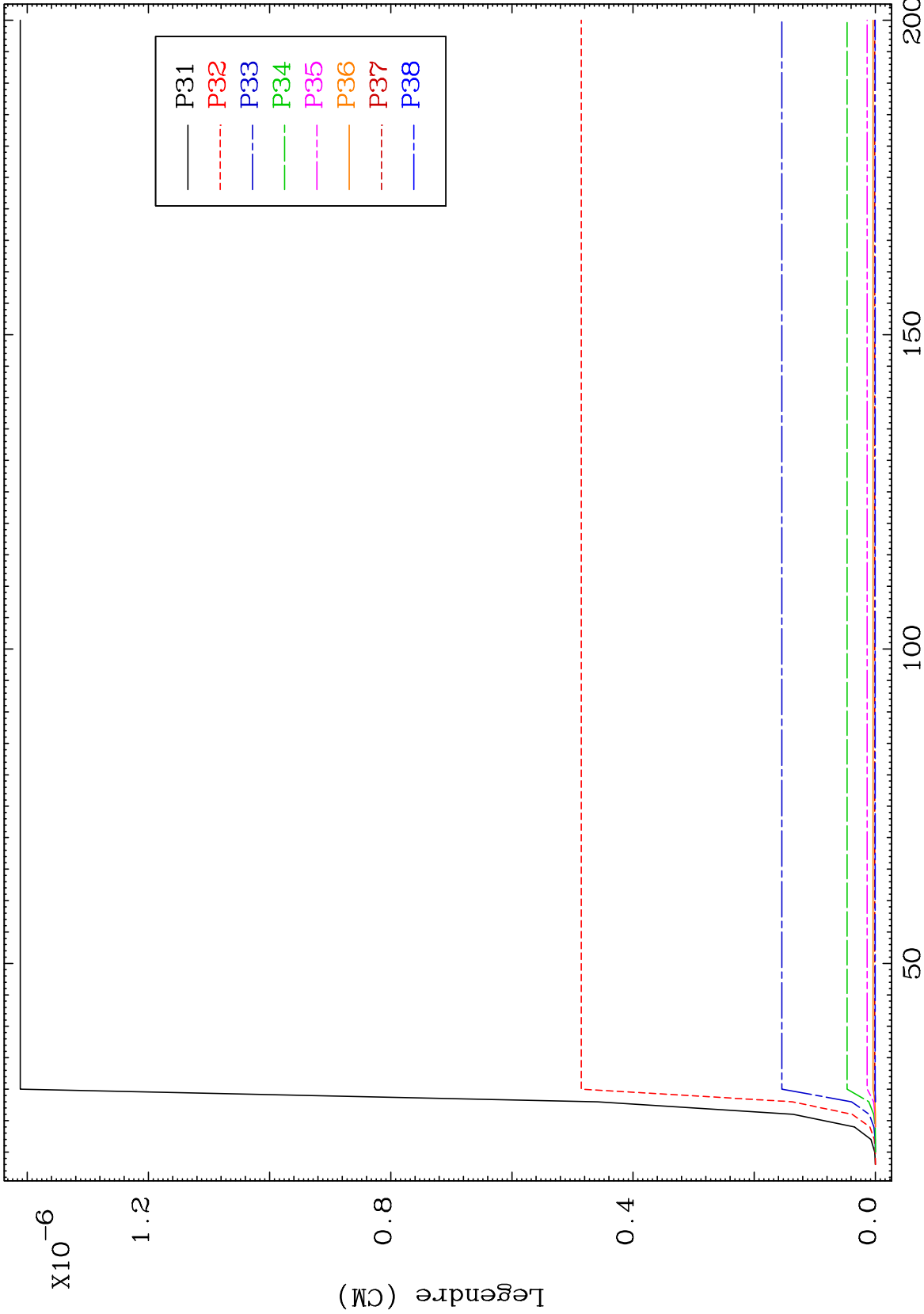
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205

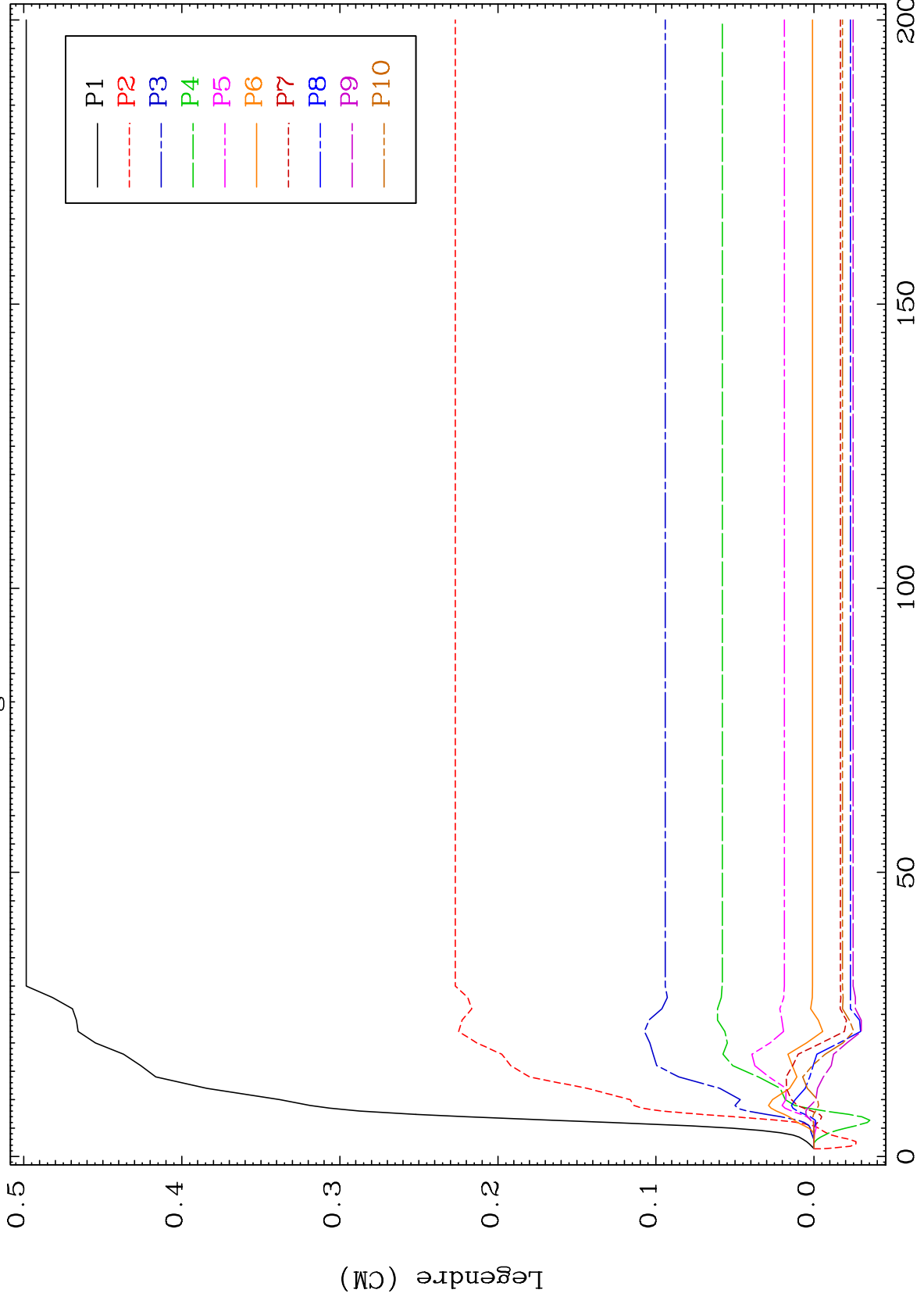


35

Incident Energy (MeV)

80-Hg-205

MAT 8052 MT= 55 (n,n') Level Legendre Coefficients 80-Hg-205

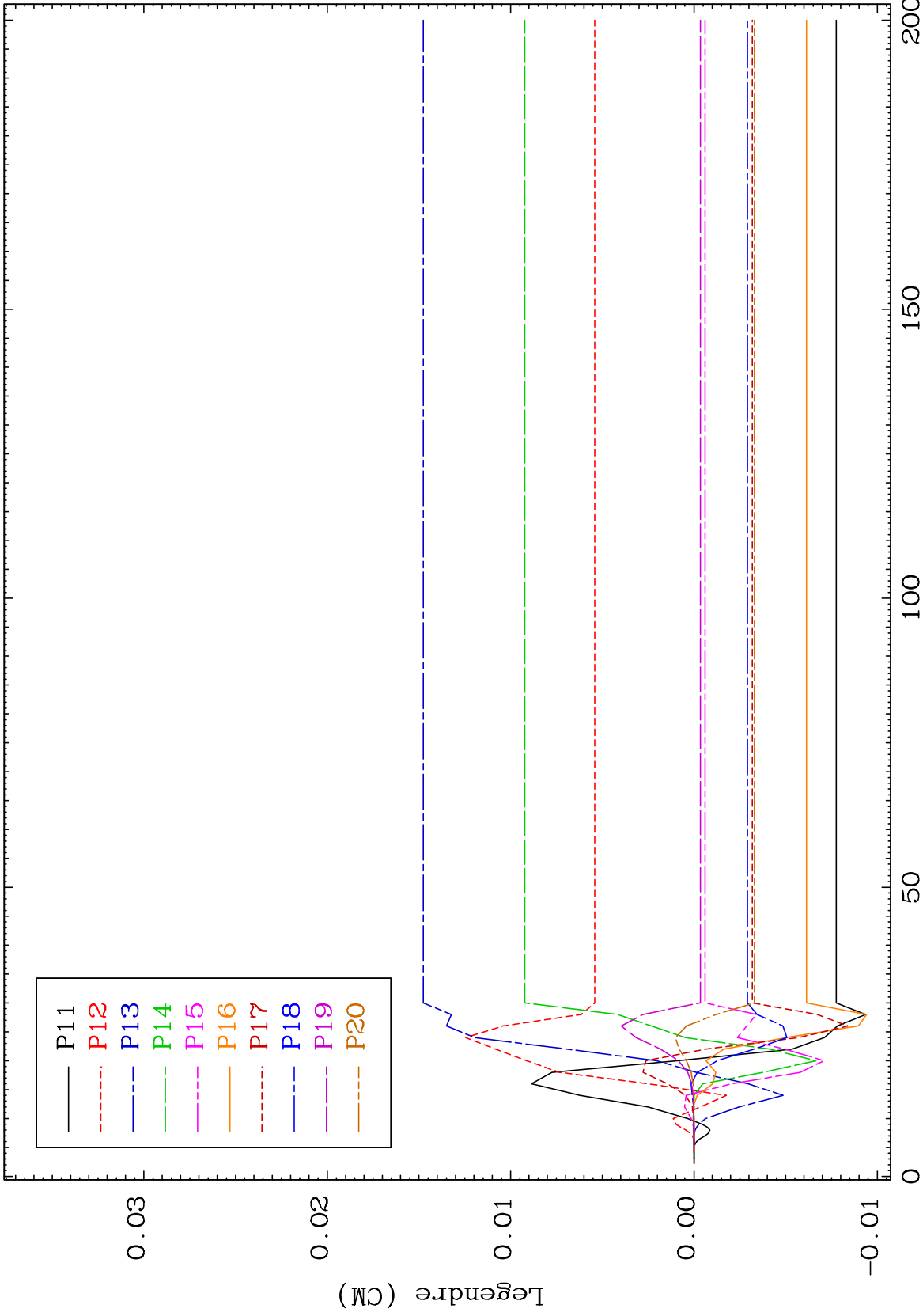


36 80-Hg-205

MAT 8052

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

80-Hg-205



37

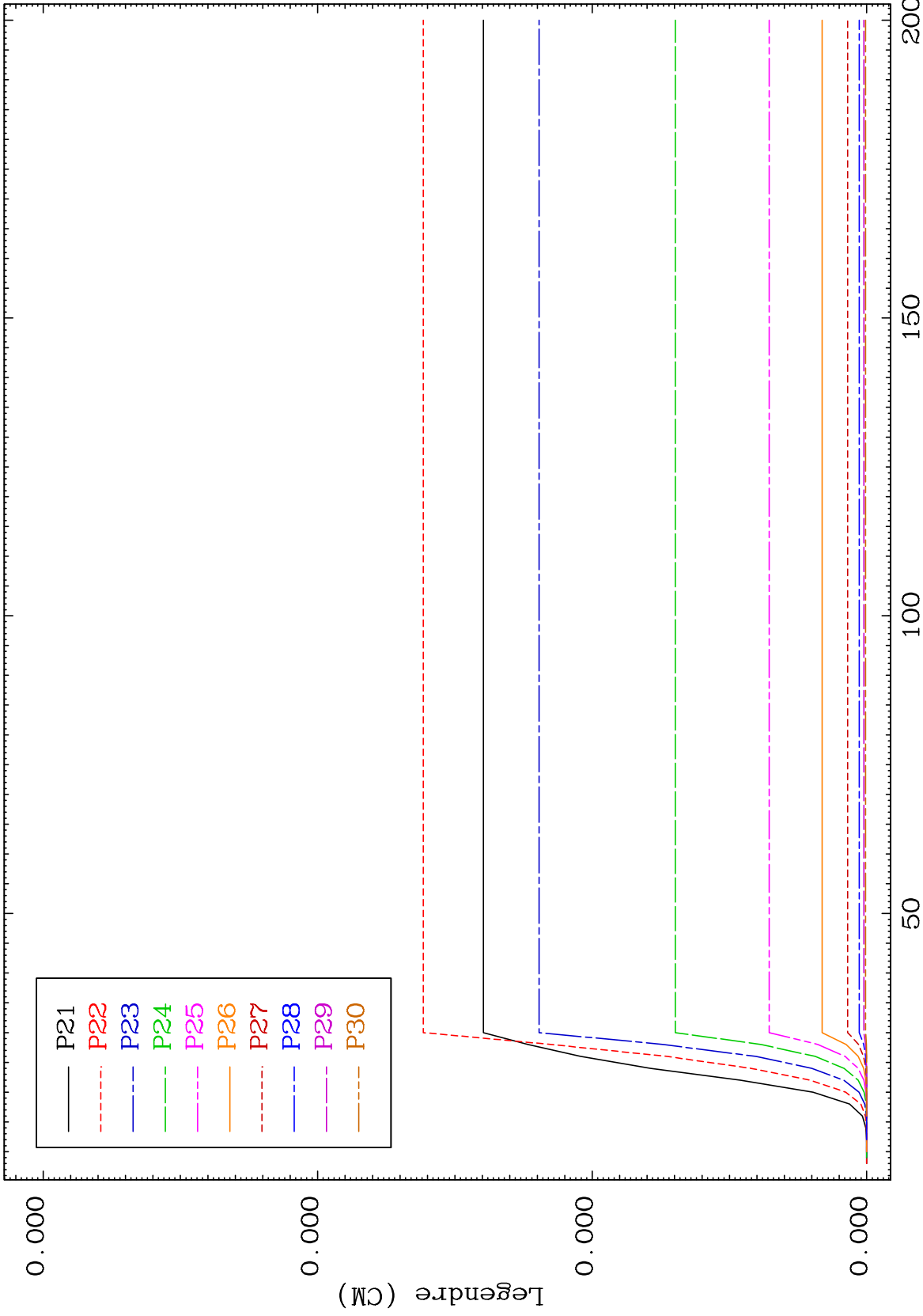
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205



38

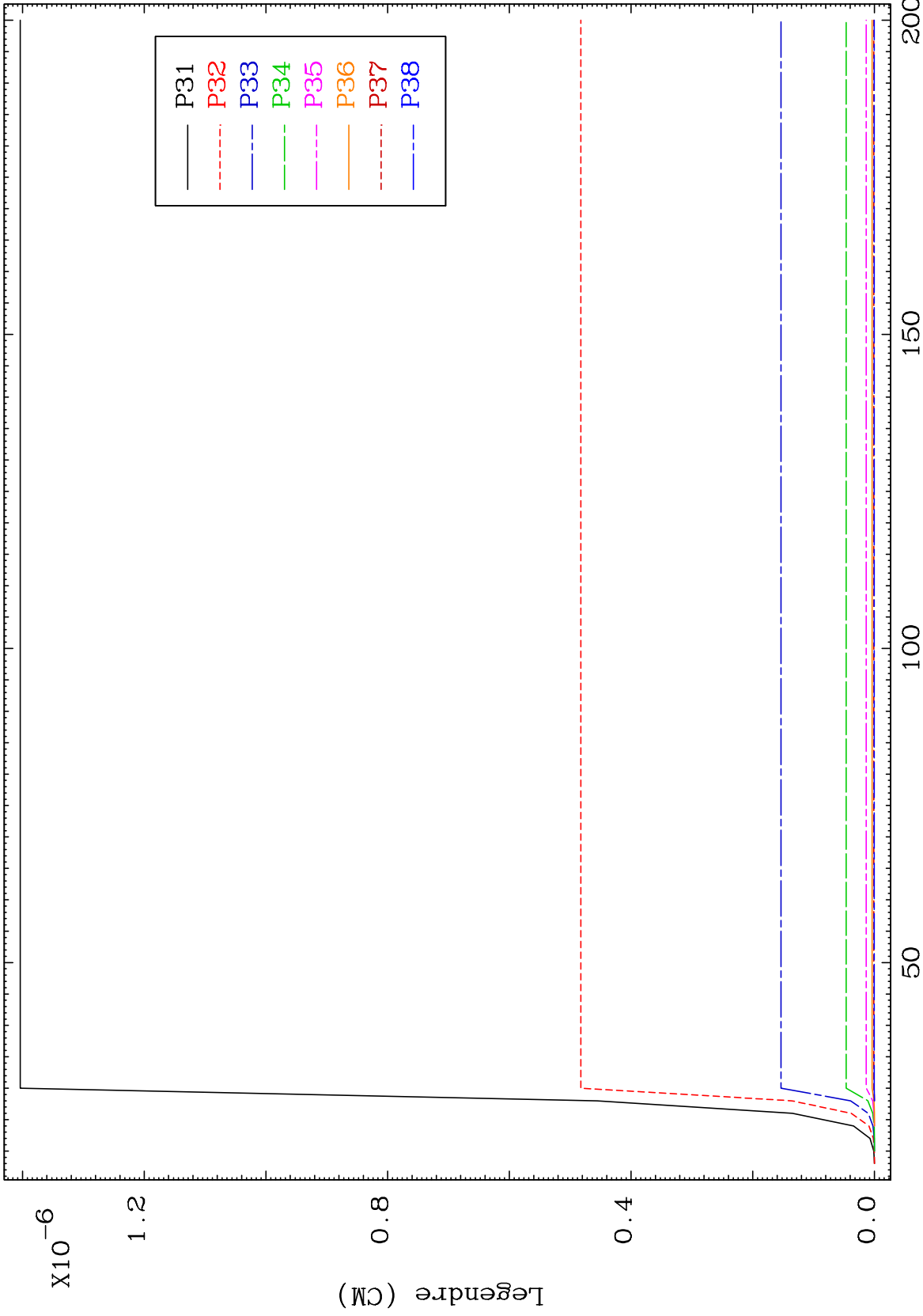
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205



39

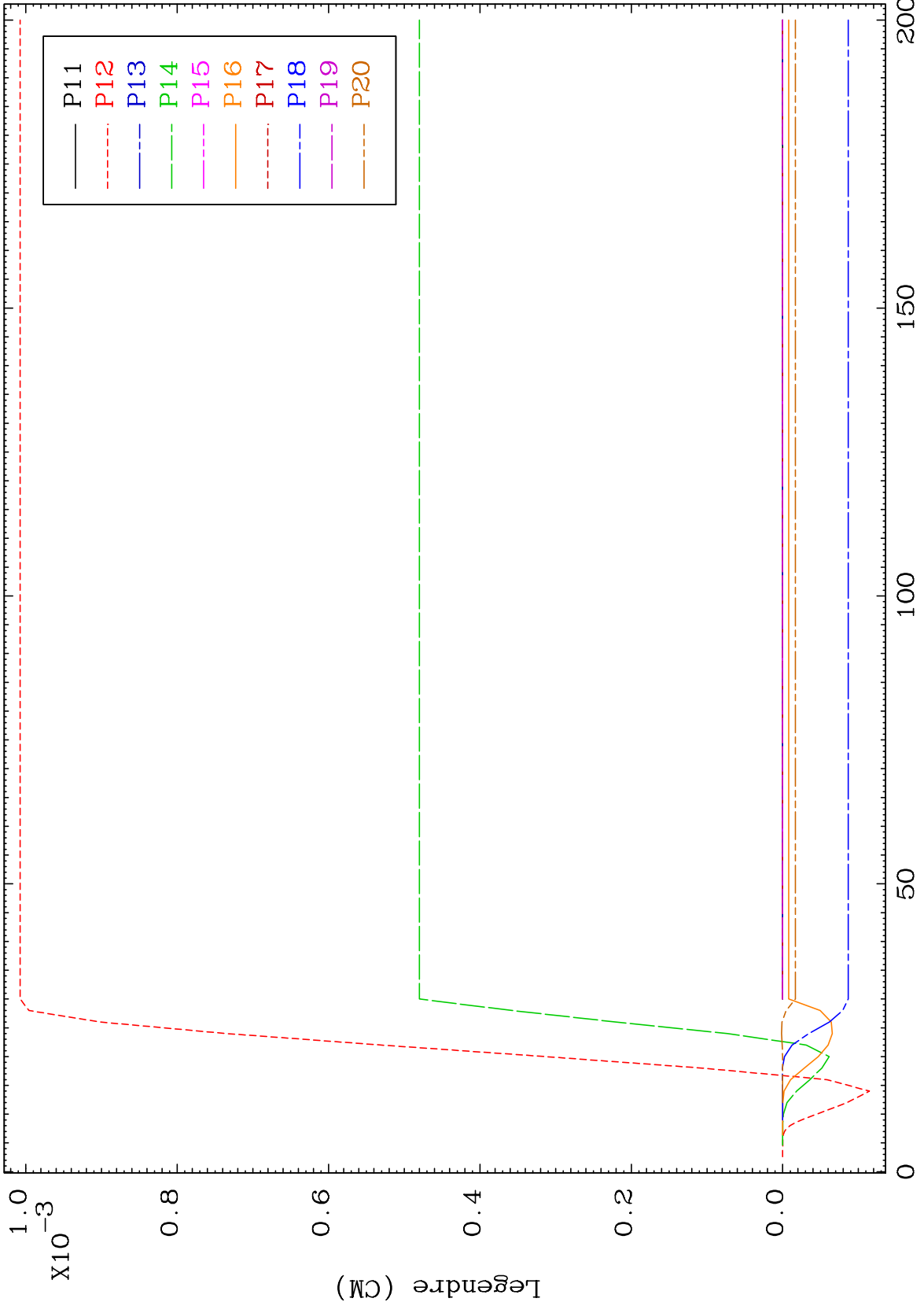
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205



80-Hg-205

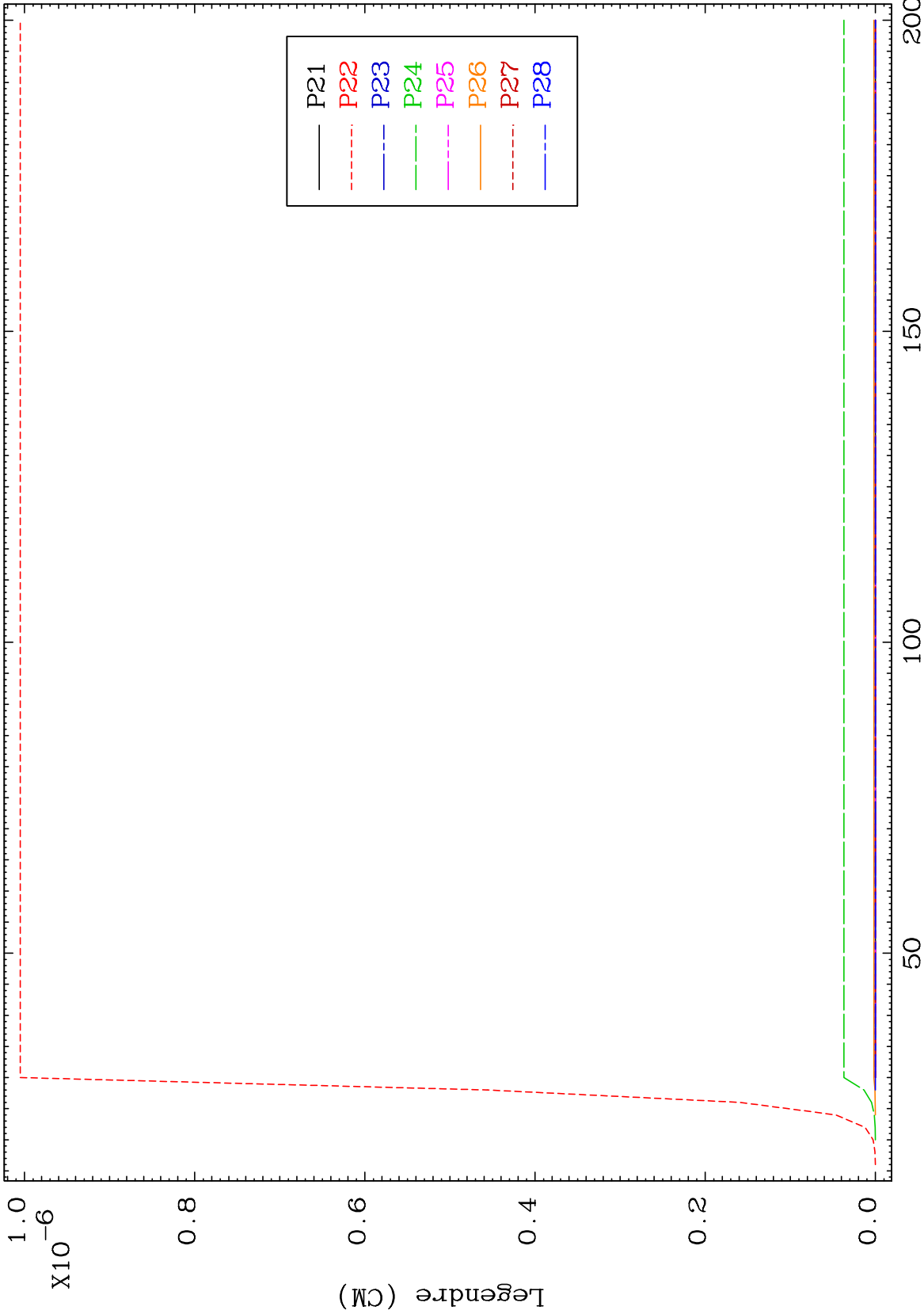
Incident Energy (MeV)

41

MAT 8052

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

80-Hg-205

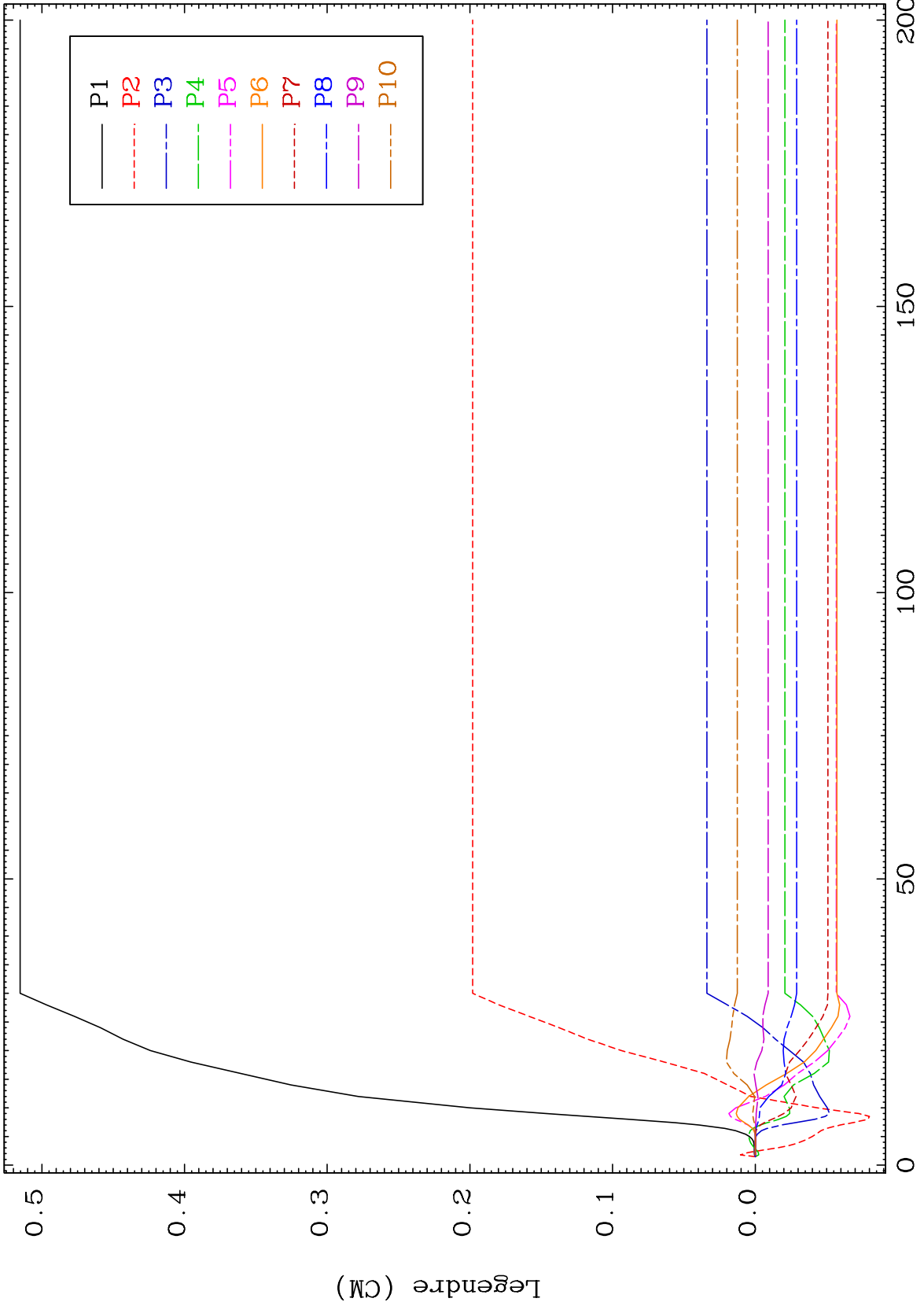


42

Incident Energy (MeV)

80-Hg-205

MAT 8052 MT= 57 (n,n') Level Legendre Coefficients 80-Hg-205

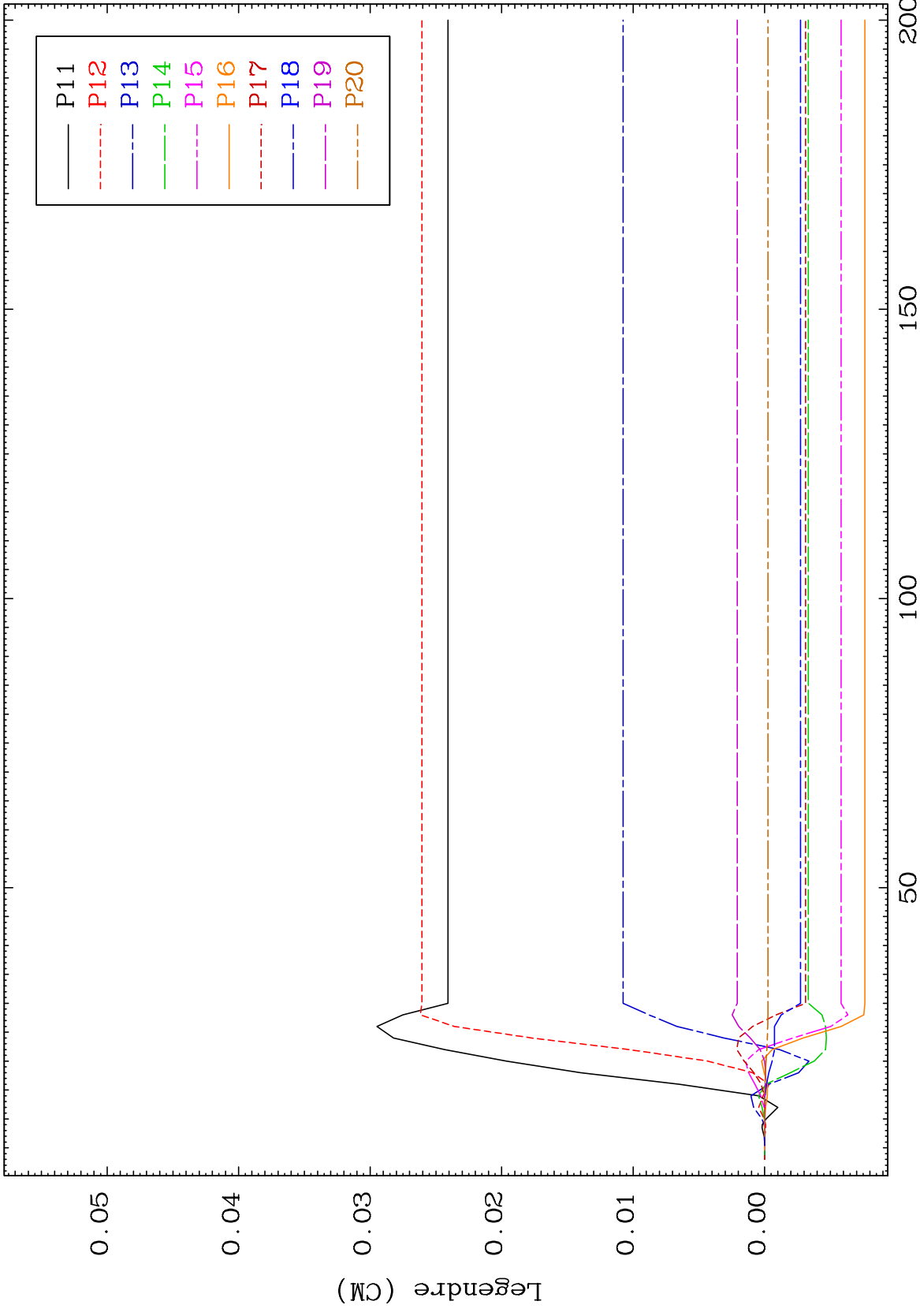


43 80-Hg-205

MAT 8052

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

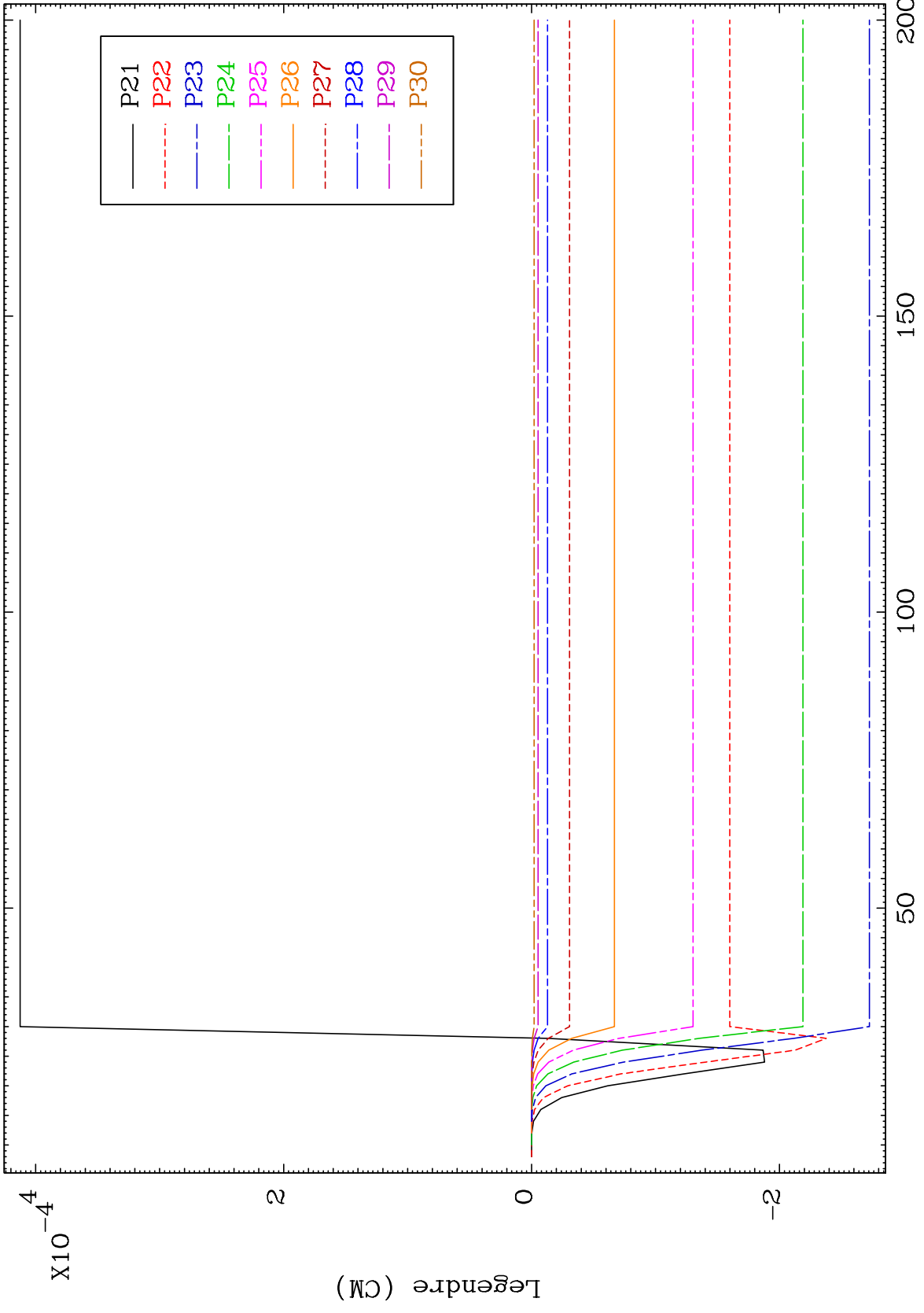
80-Hg-205



MAT 8052

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

80-Hg-205

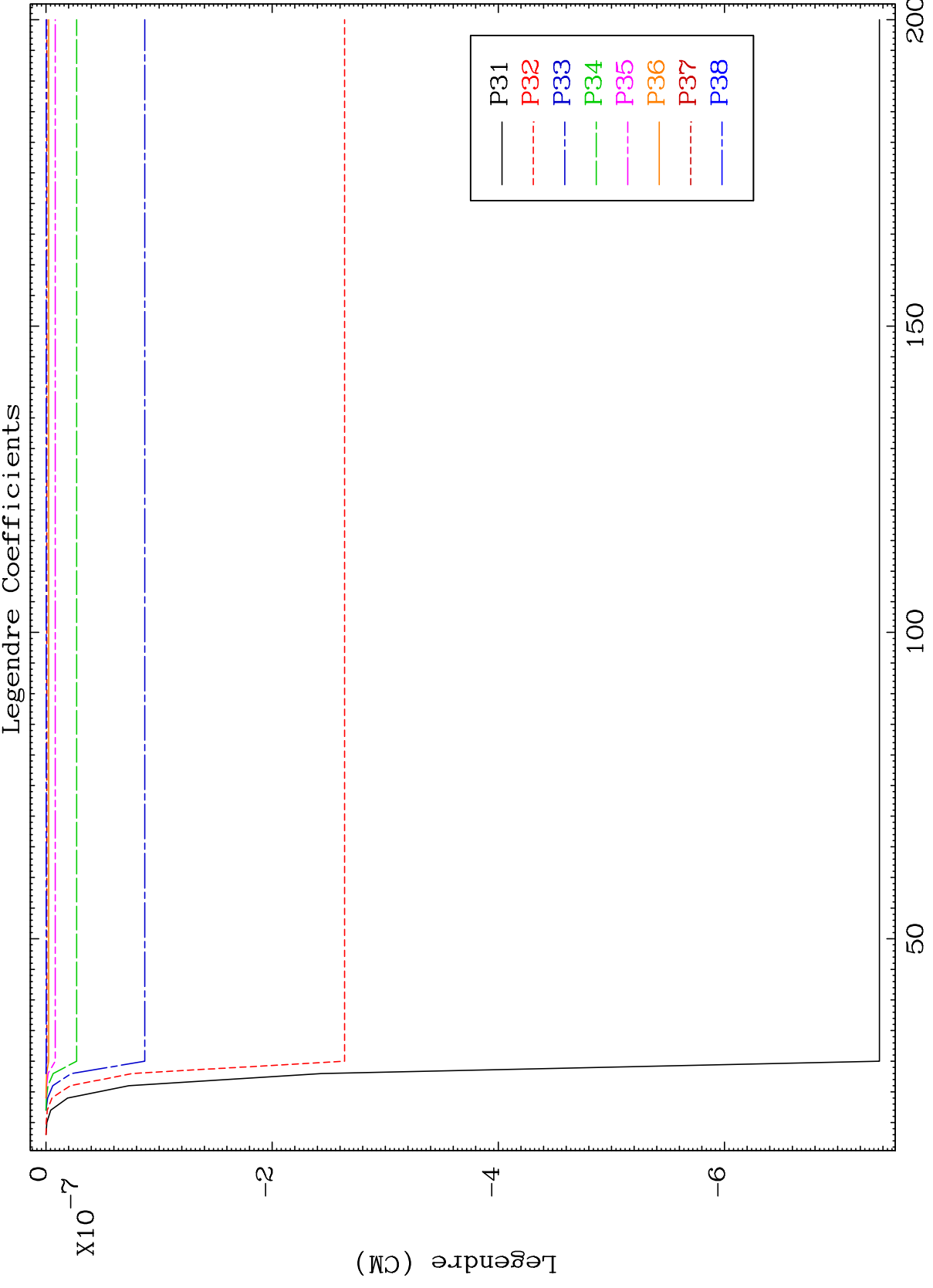


45

Incident Energy (MeV)

80-Hg-205

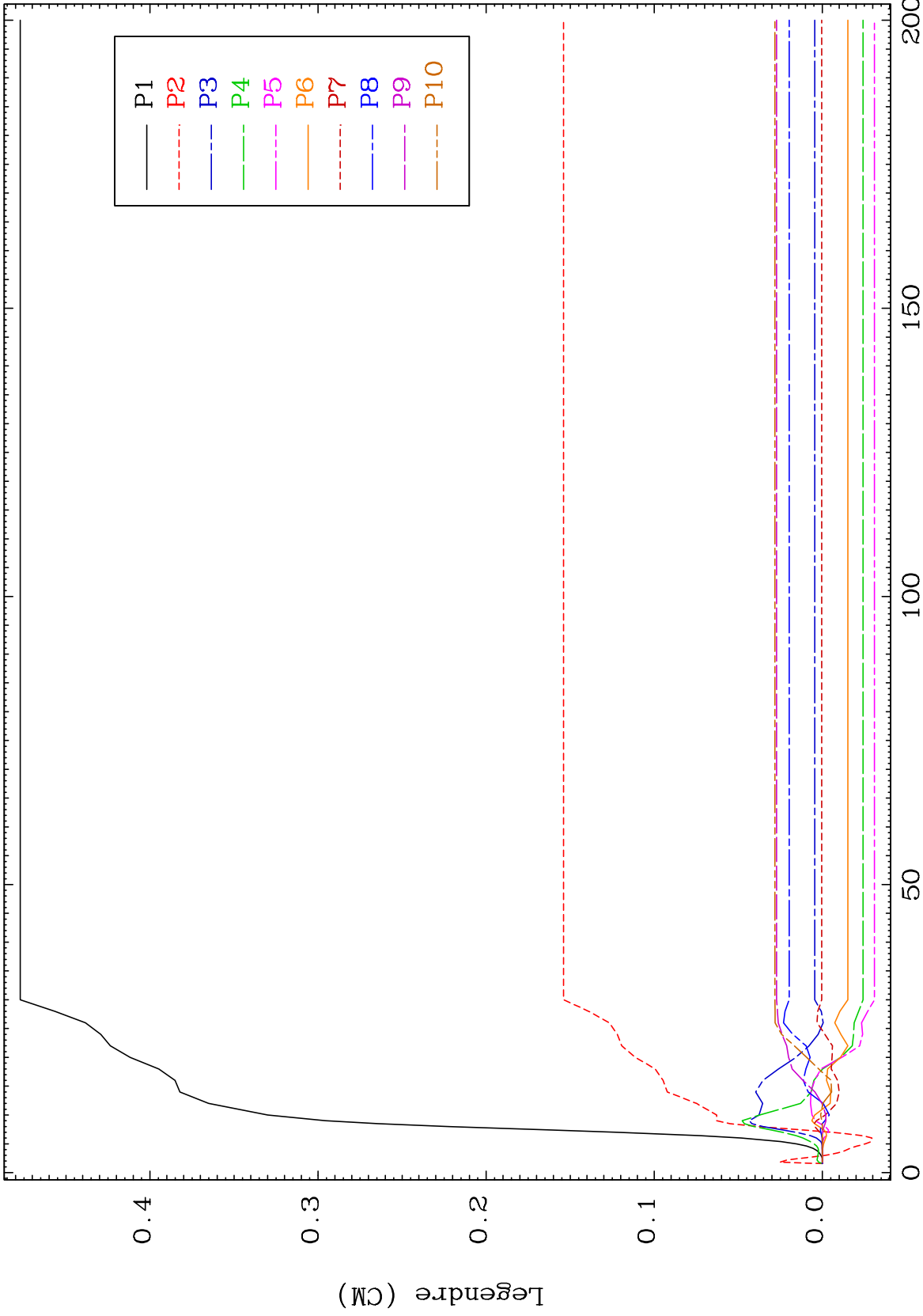
MAT 8052 MT= 57 (n,n') Level Legendre Coefficients 80-Hg-205



MAT 8052

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

80-Hg-205



47

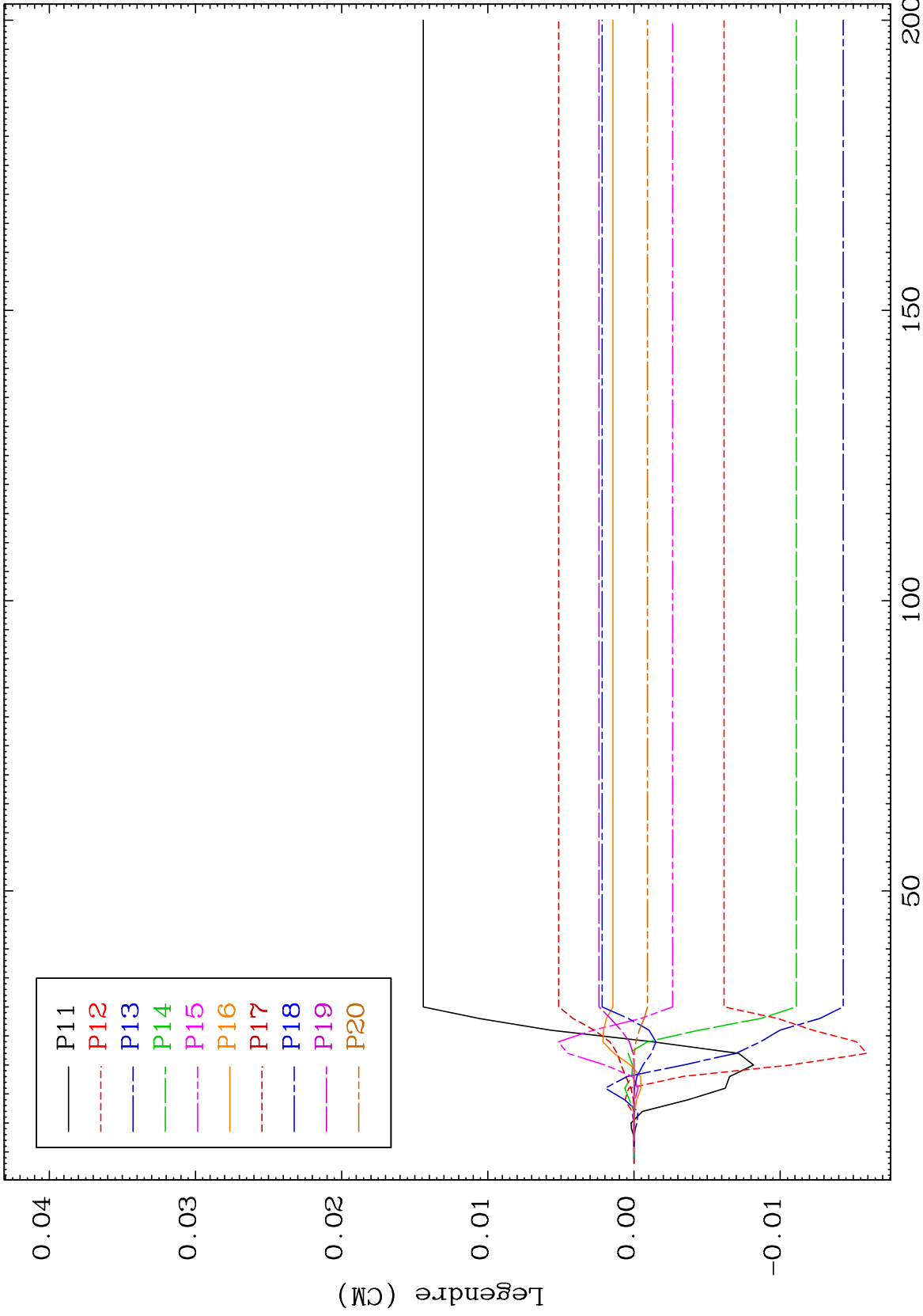
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205



48

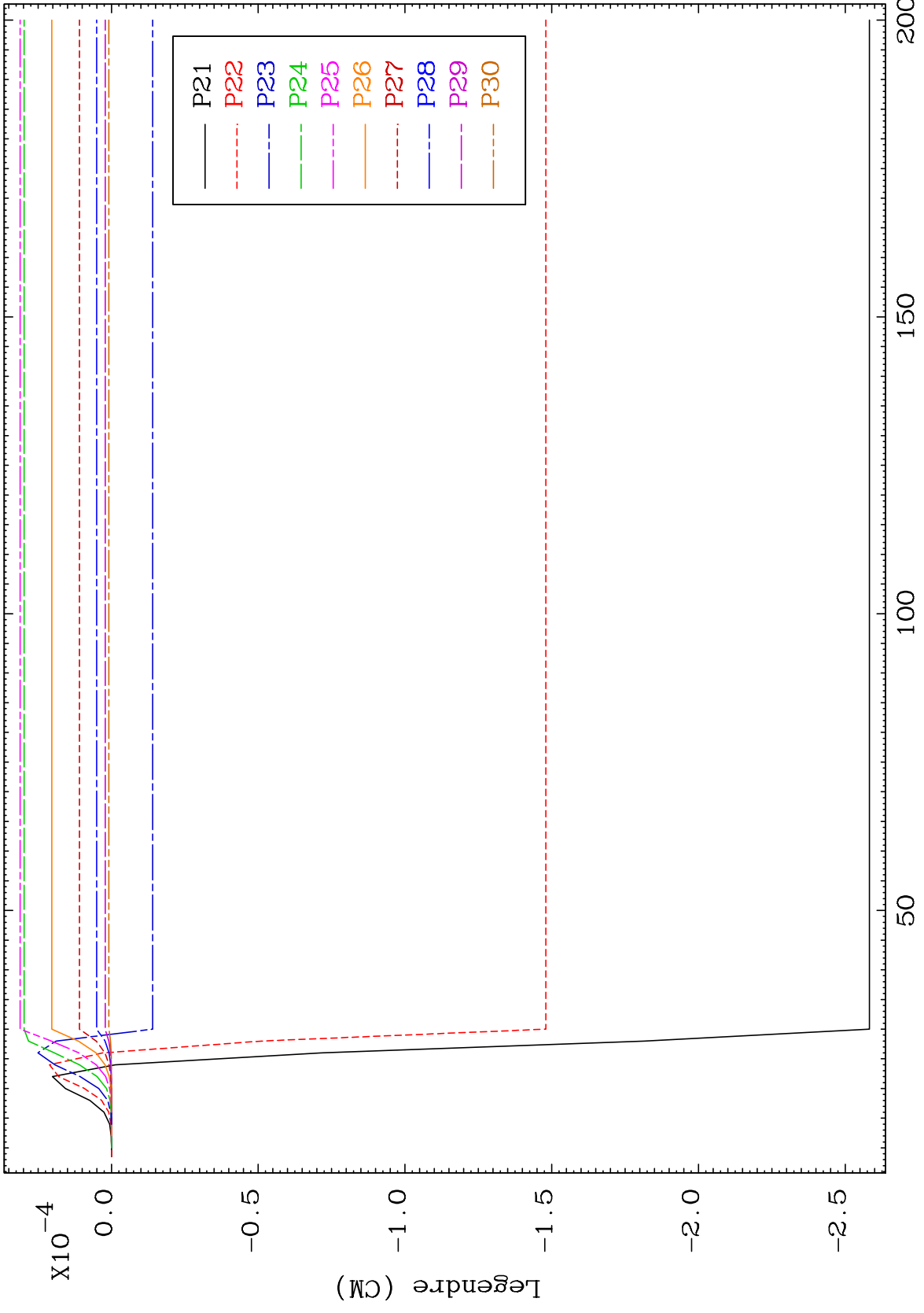
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205



49

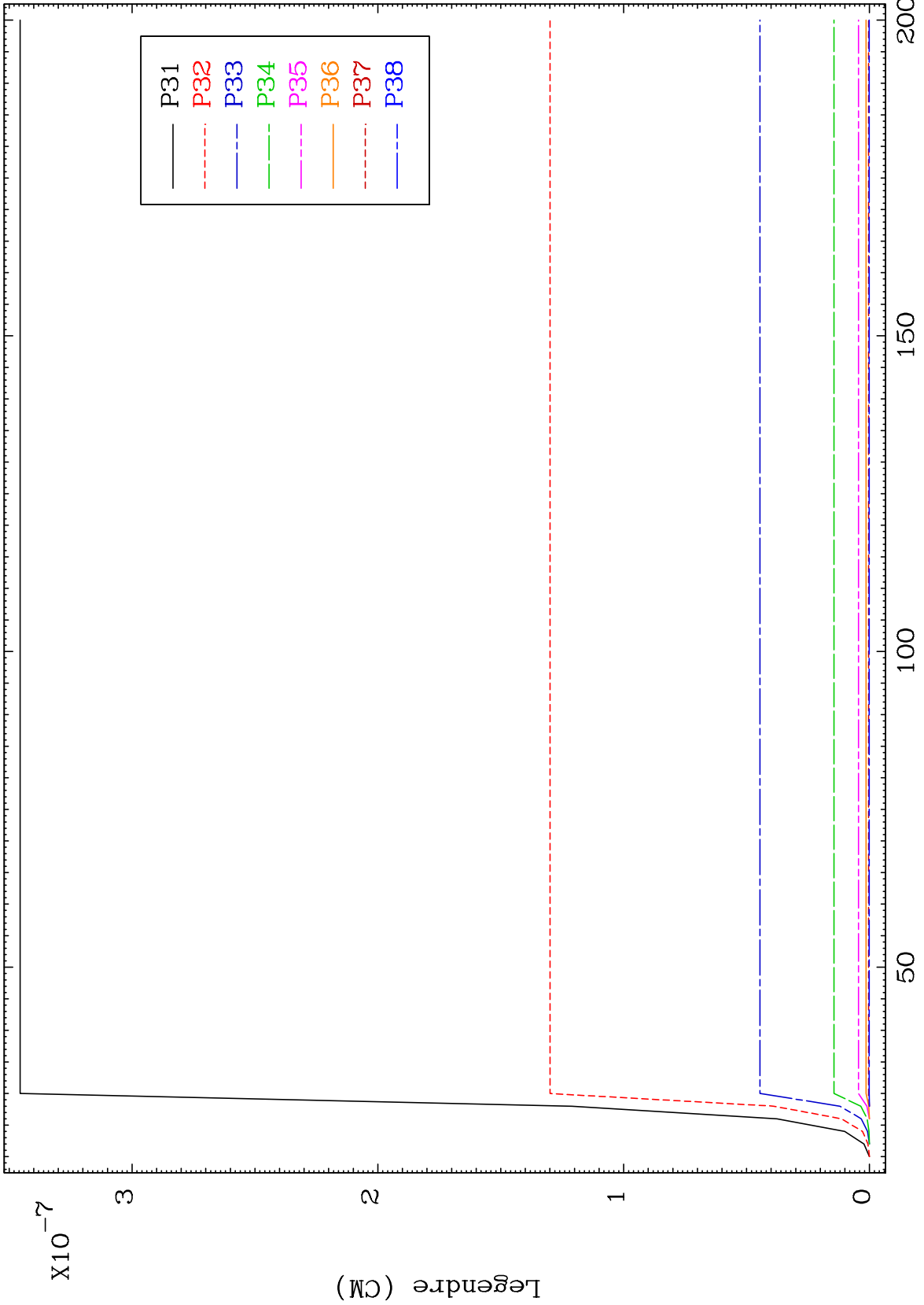
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205



50

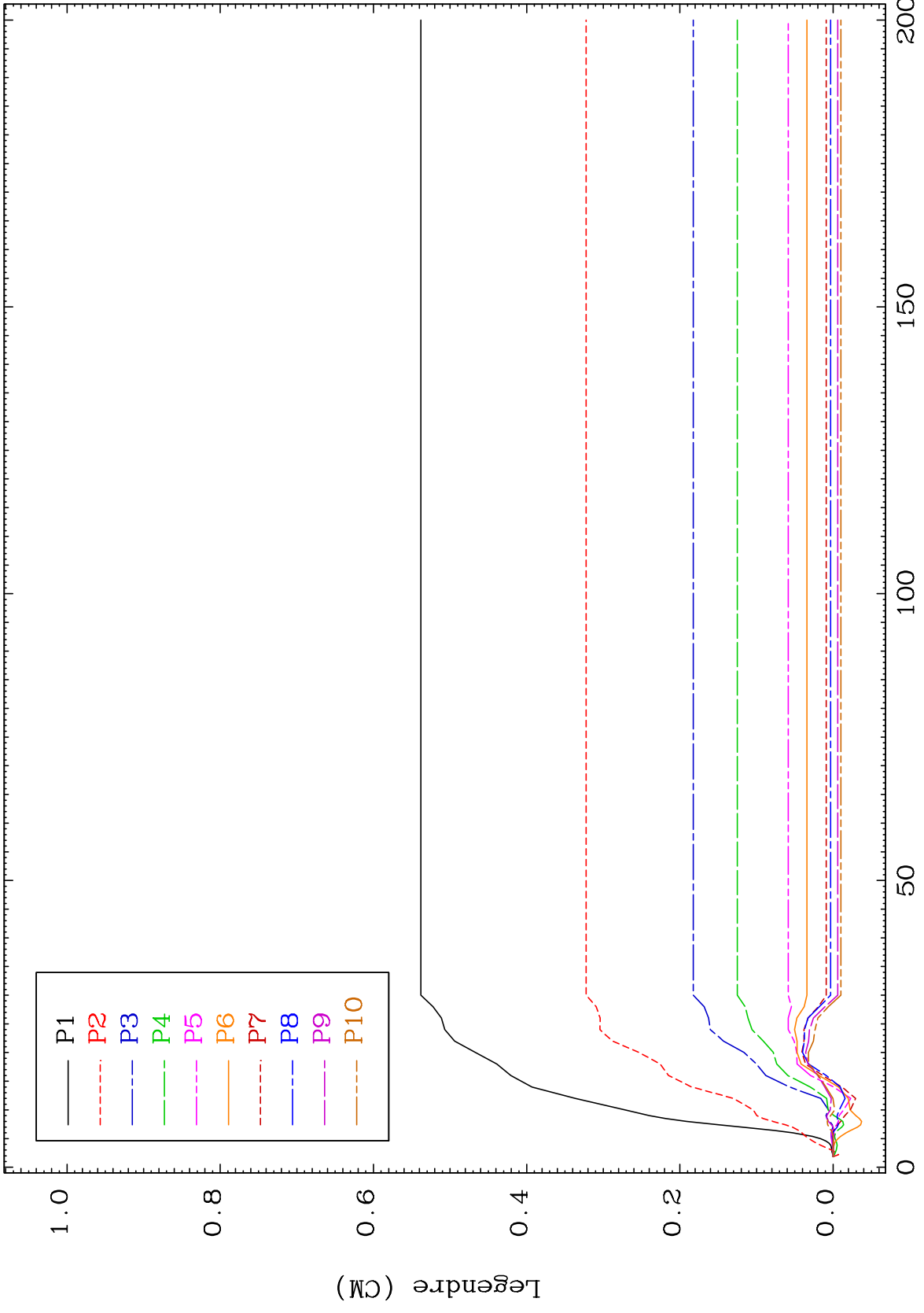
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205

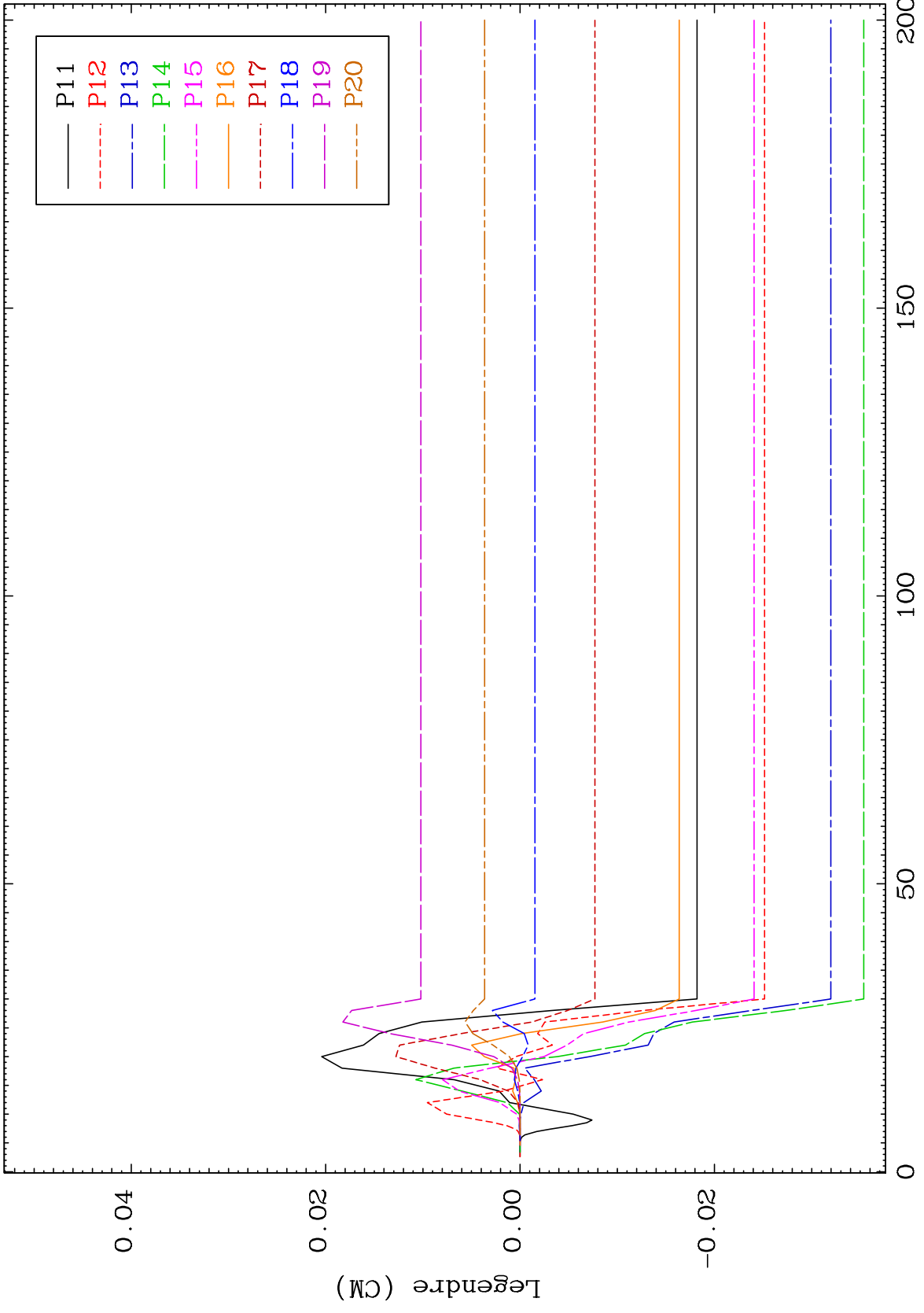


51

Incident Energy (MeV)

80-Hg-205

MAT 8052 MT= 59 (n,n') Level Legendre Coefficients 80-Hg-205

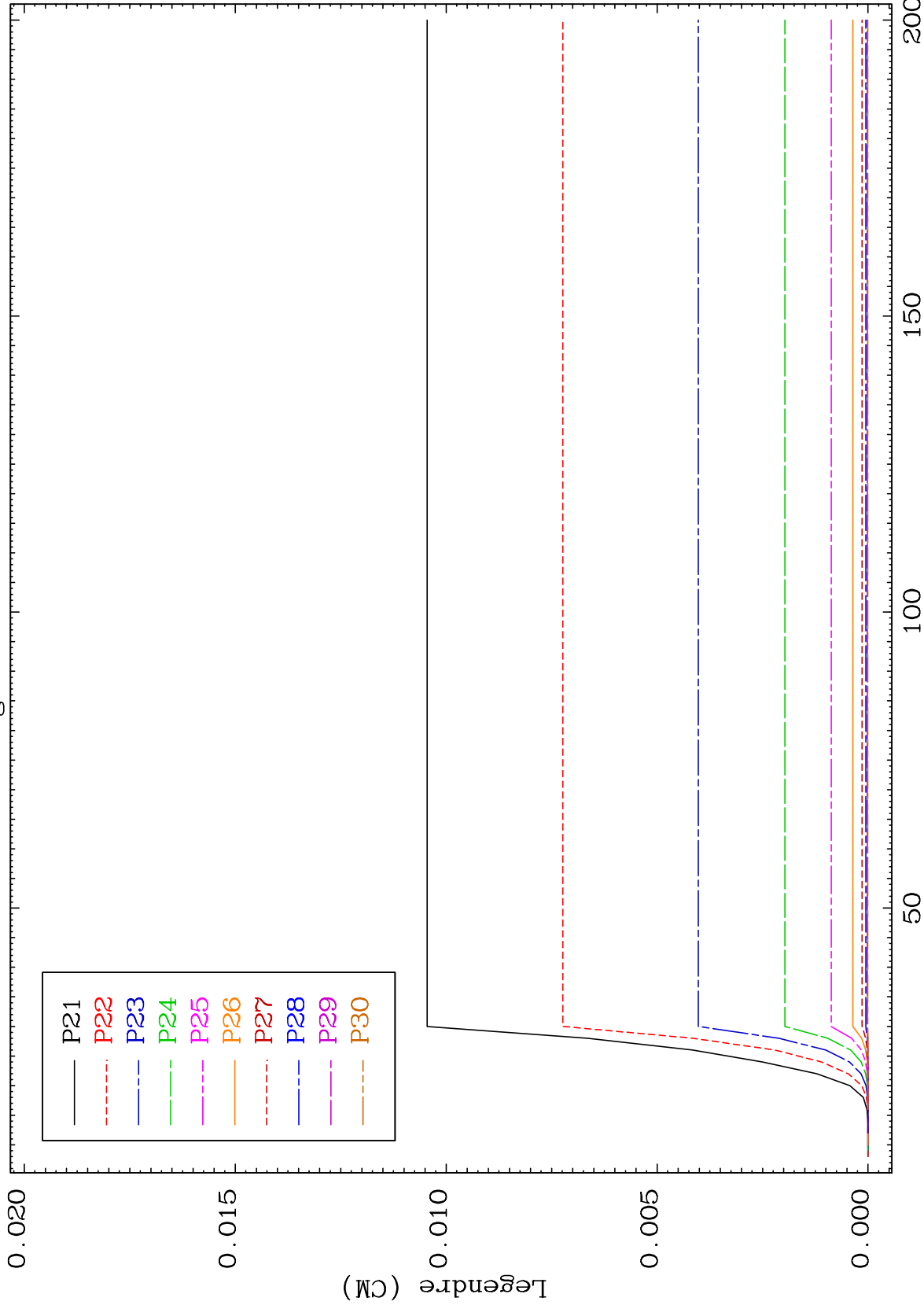


52 80-Hg-205

MAT 8052

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

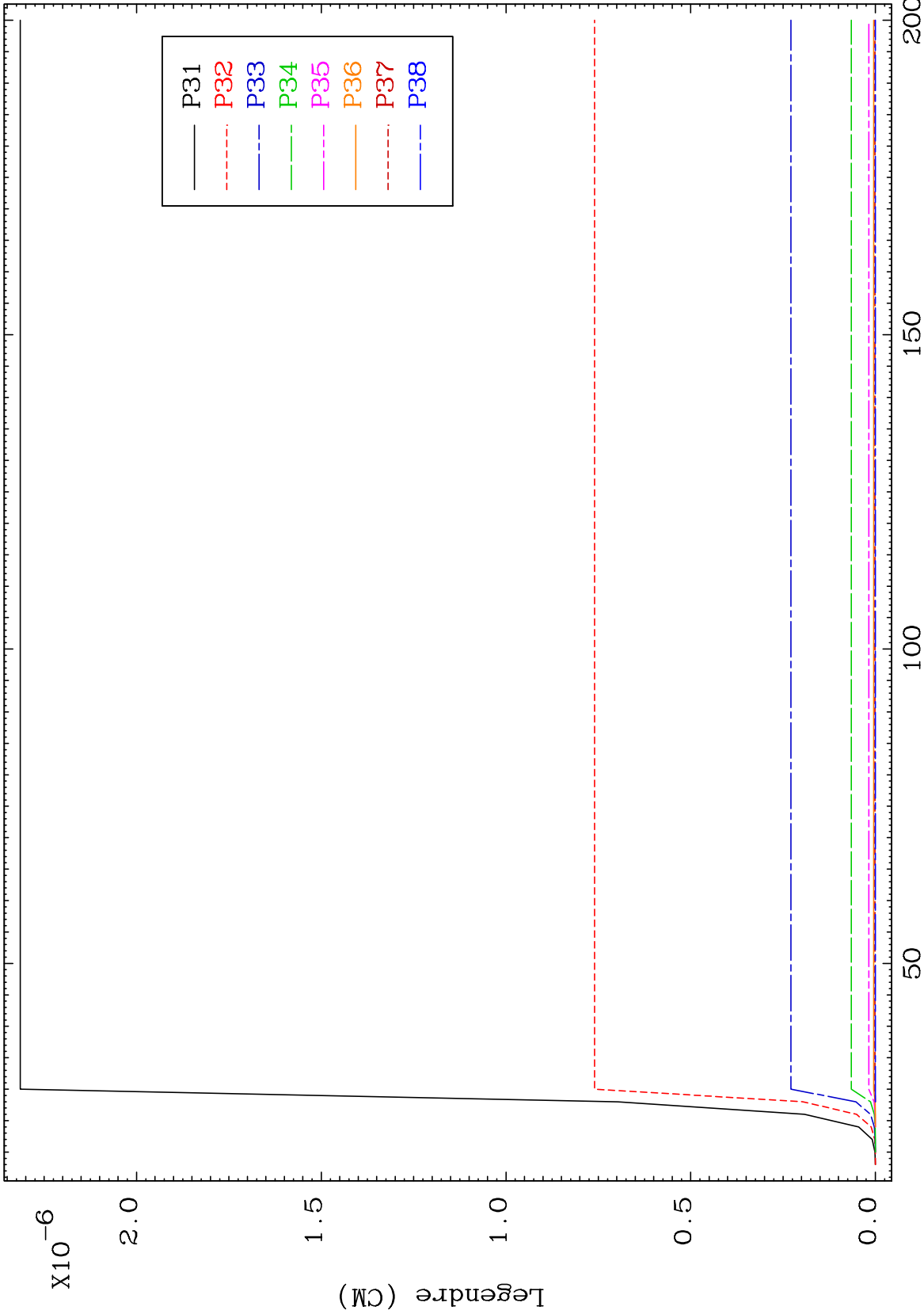
80-Hg-205



MAT 8052

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

80-Hg-205



54

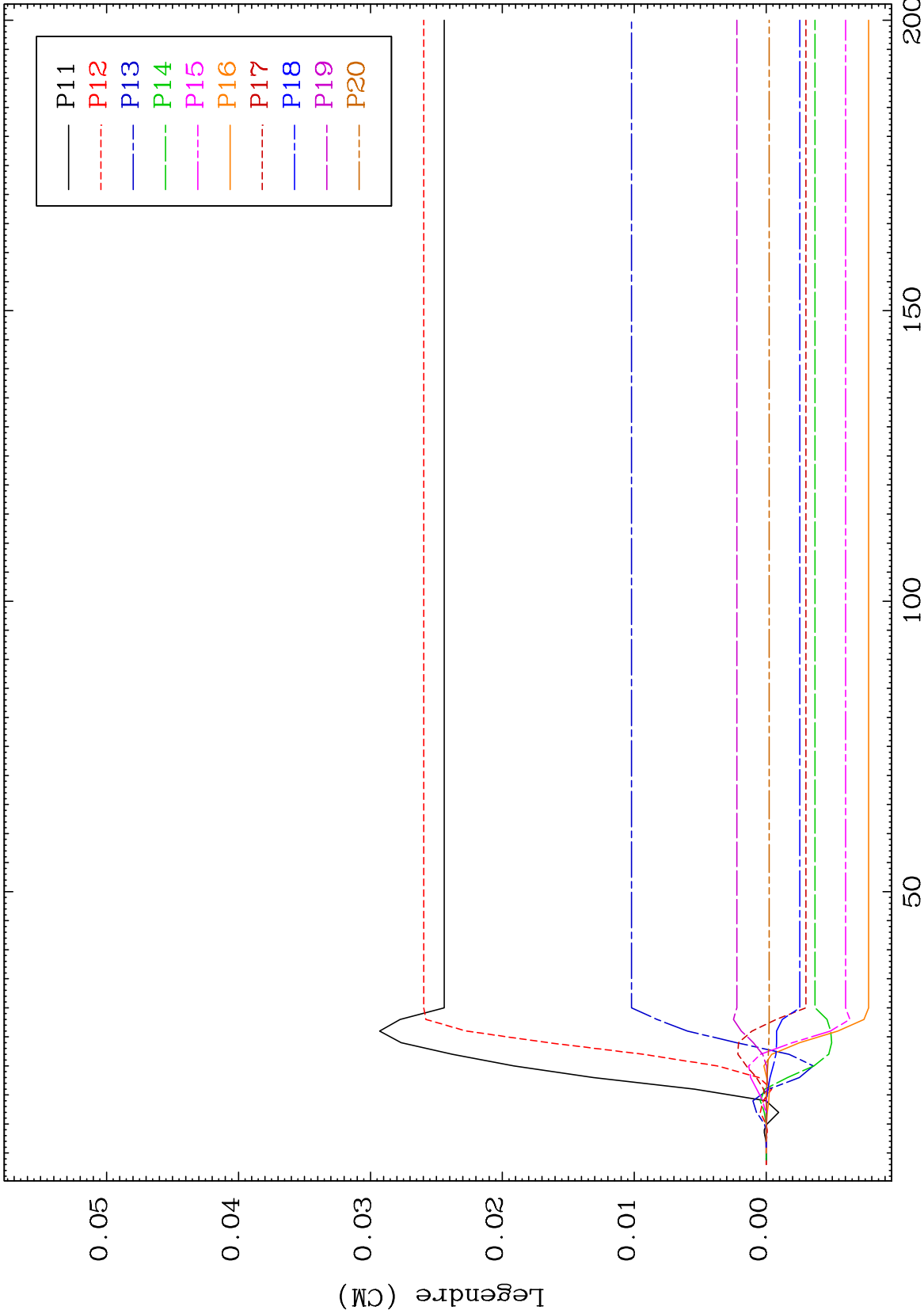
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205



56

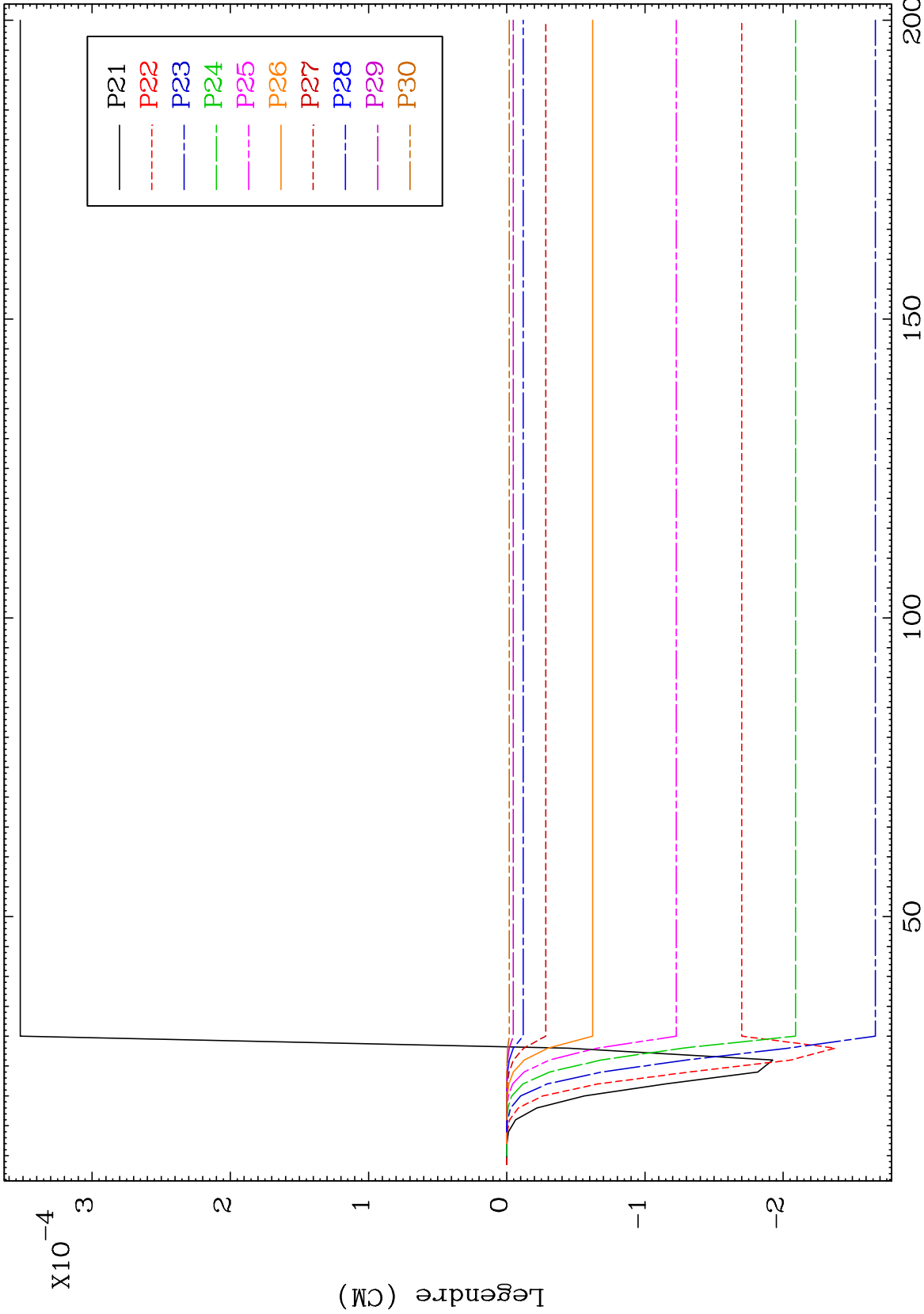
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205



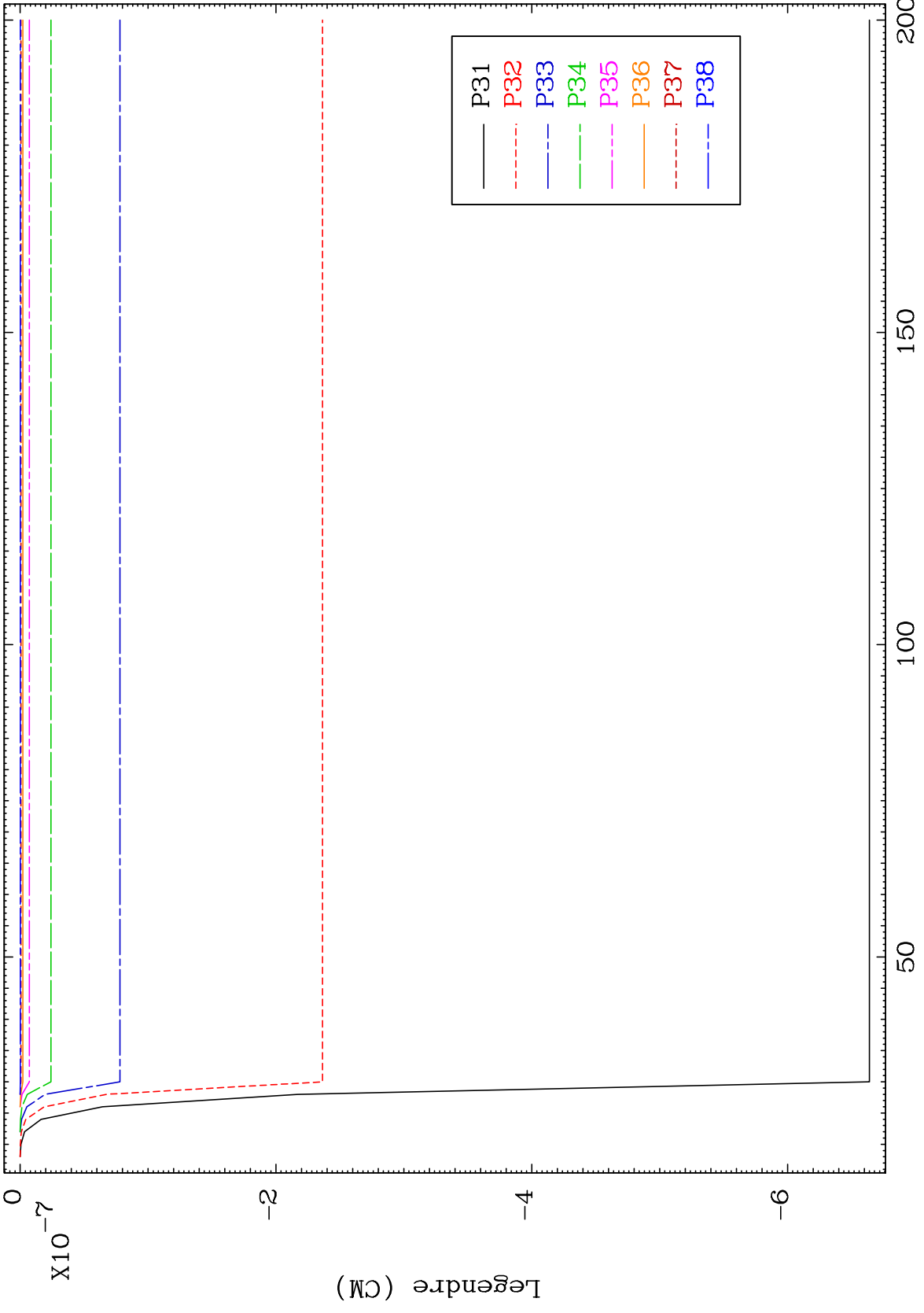
57

Incident Energy (MeV)

80-Hg-205

MAT 8052 MT= 60 (n, n') Level 80-Hg-205

Legendre Coefficients

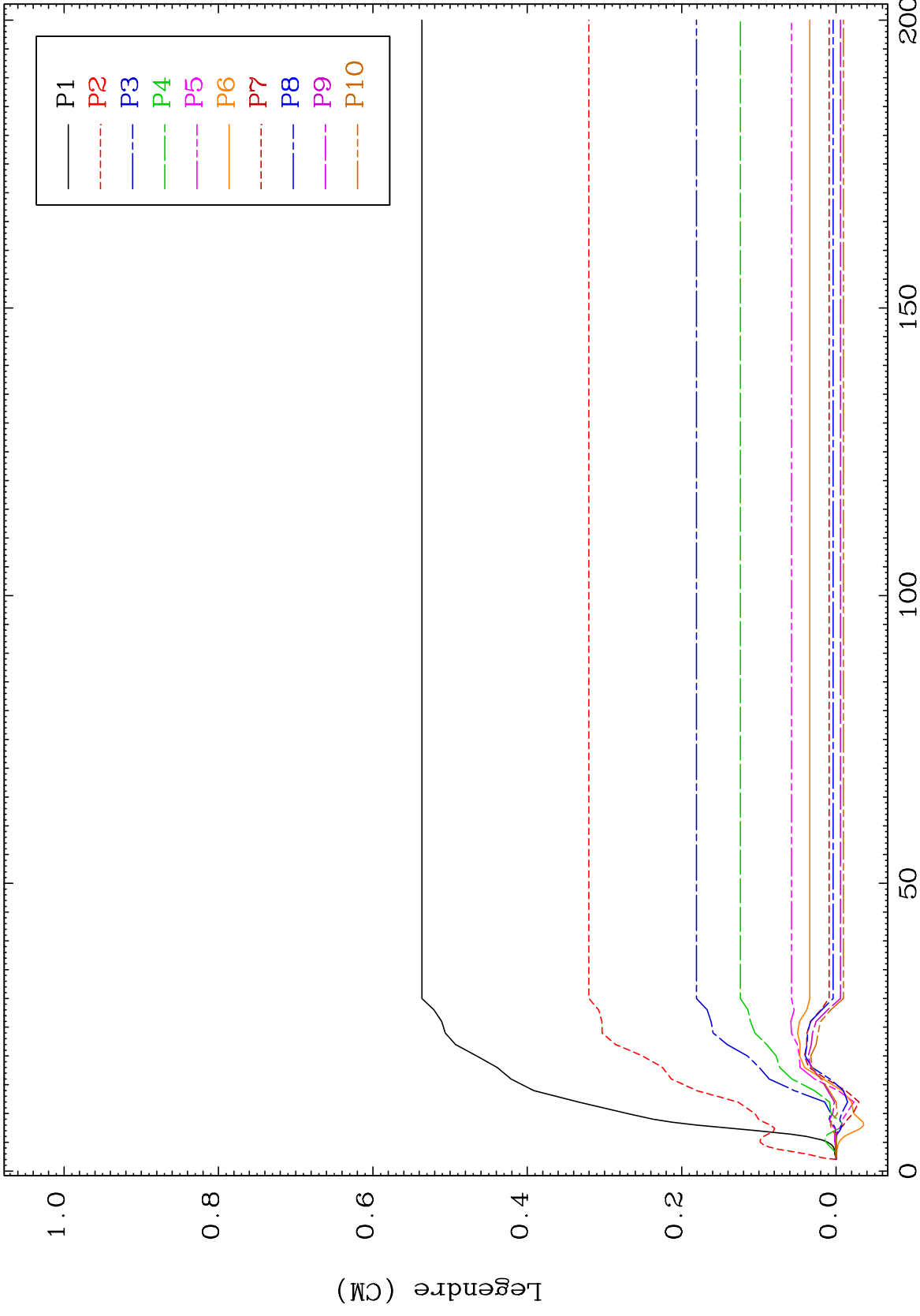


58 Incident Energy (MeV) 80-Hg-205

MAT 8052

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

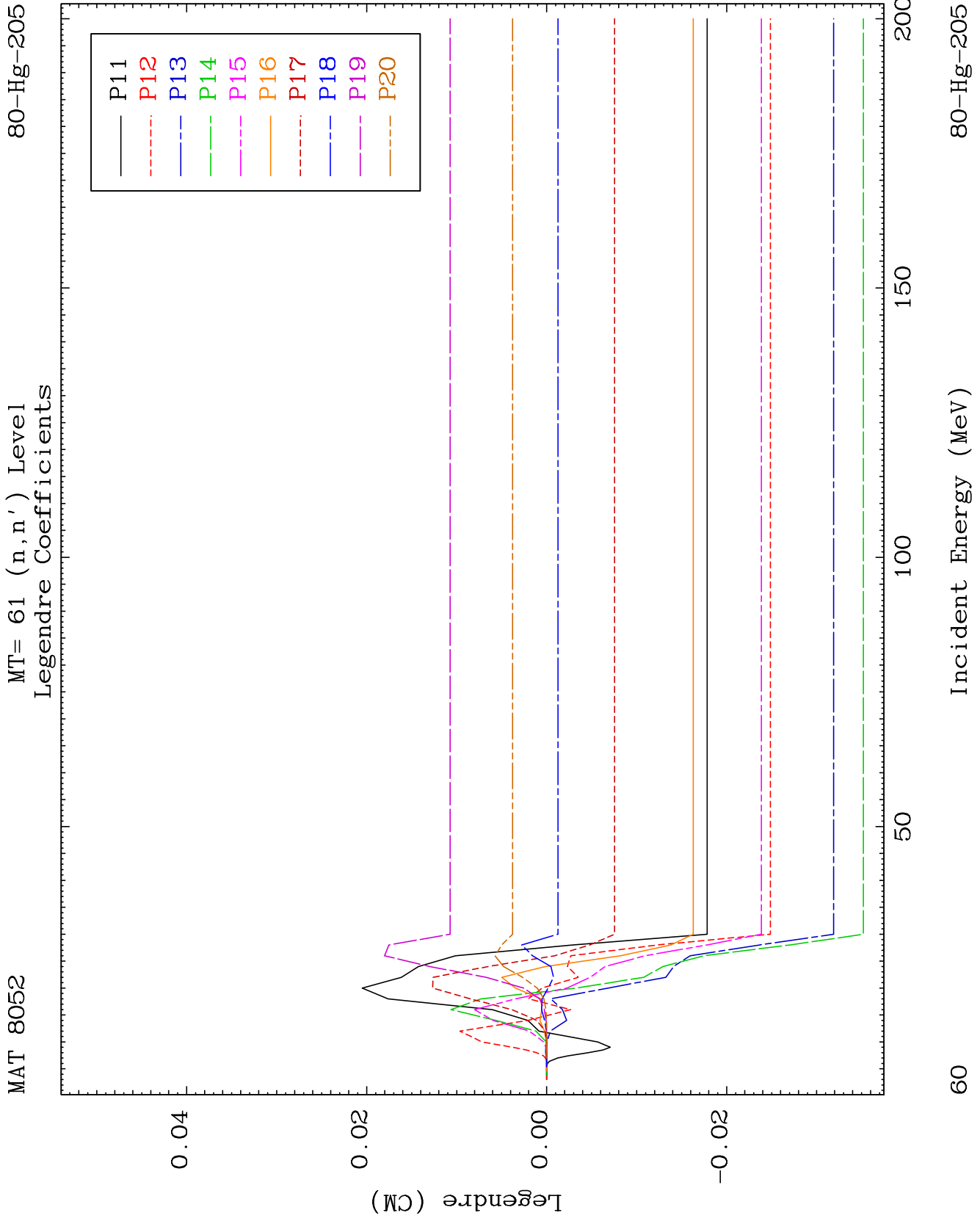
80-Hg-205



59

Incident Energy (MeV)

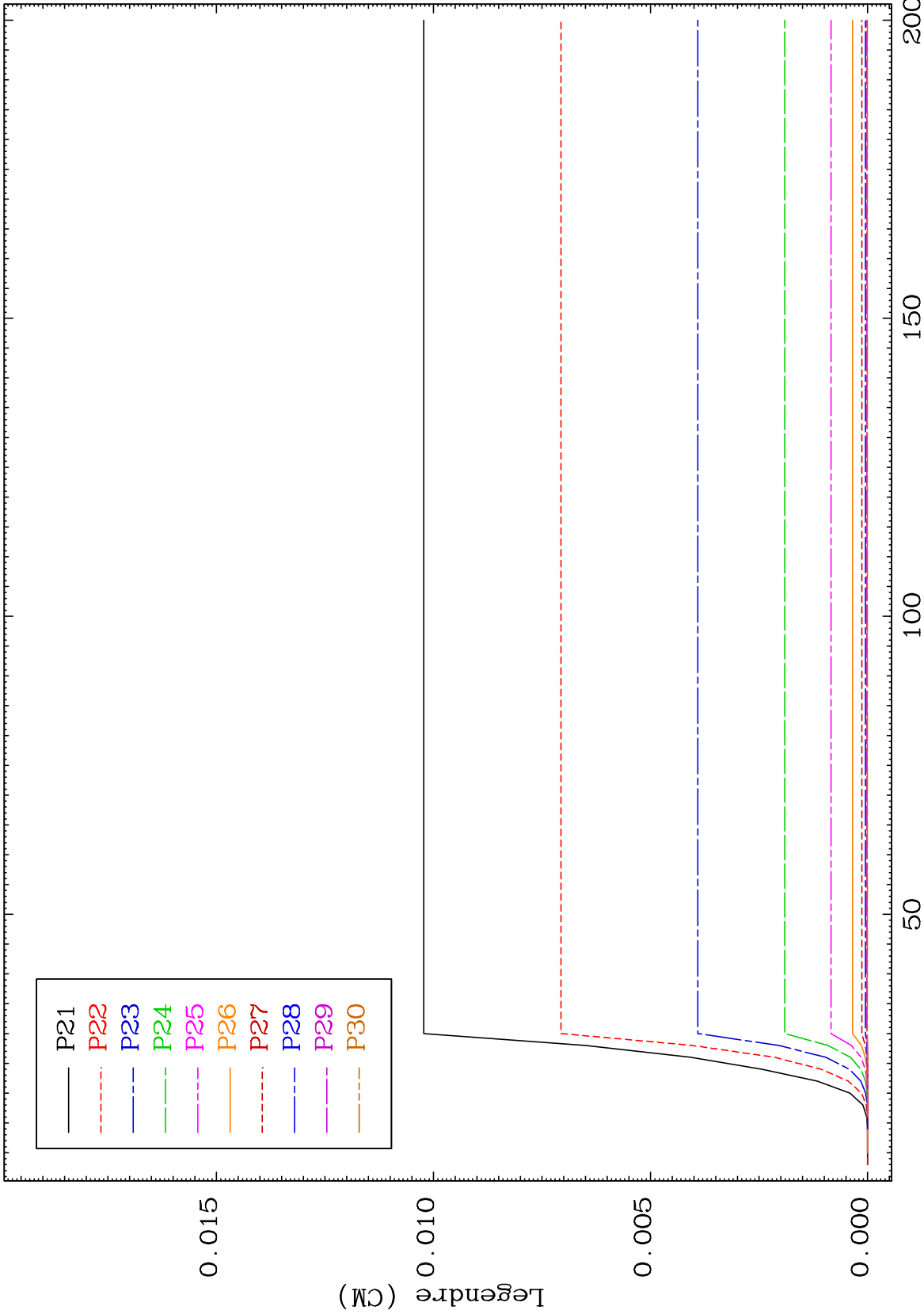
80-Hg-205



MAT 8052

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

80-Hg-205



61

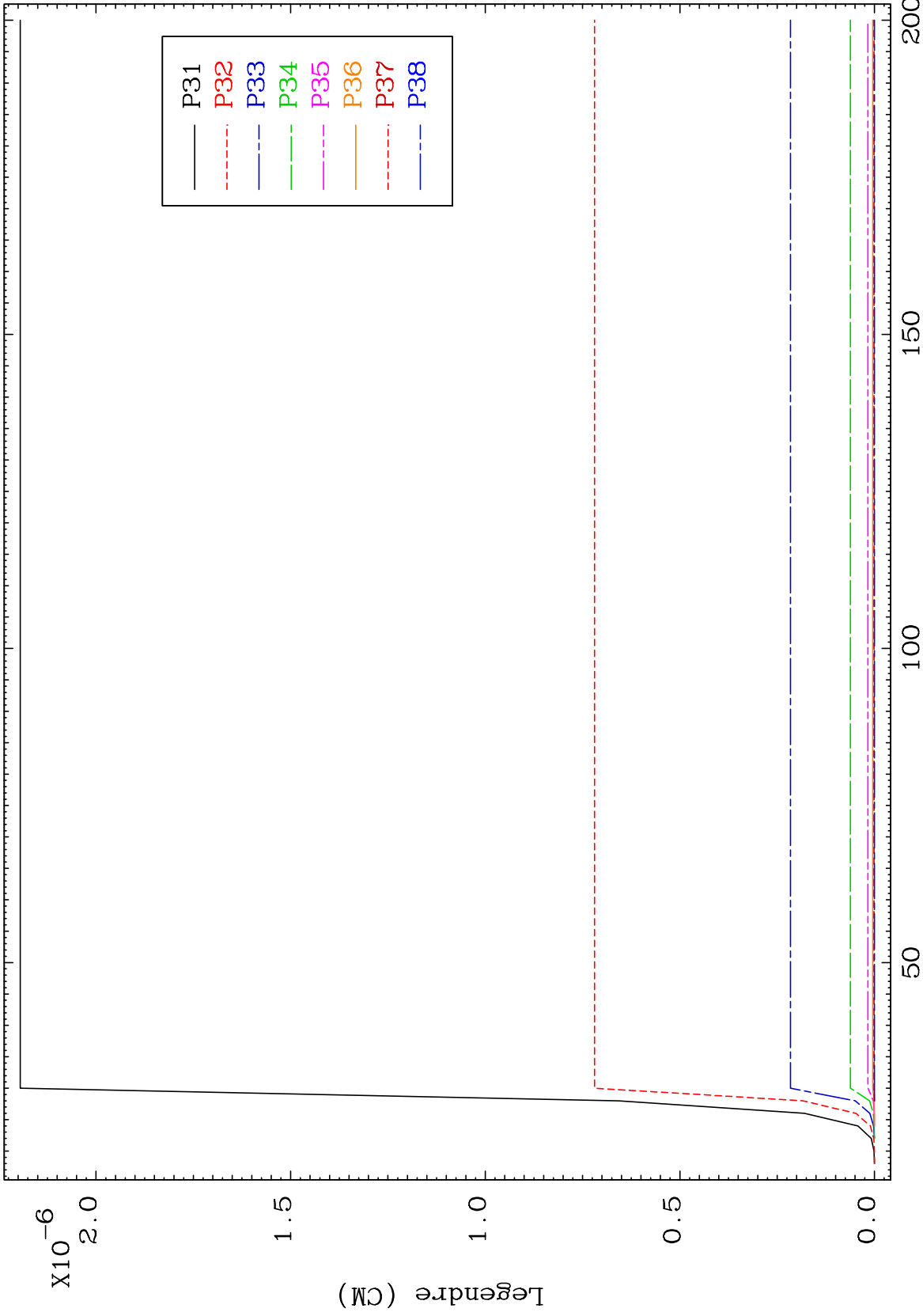
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

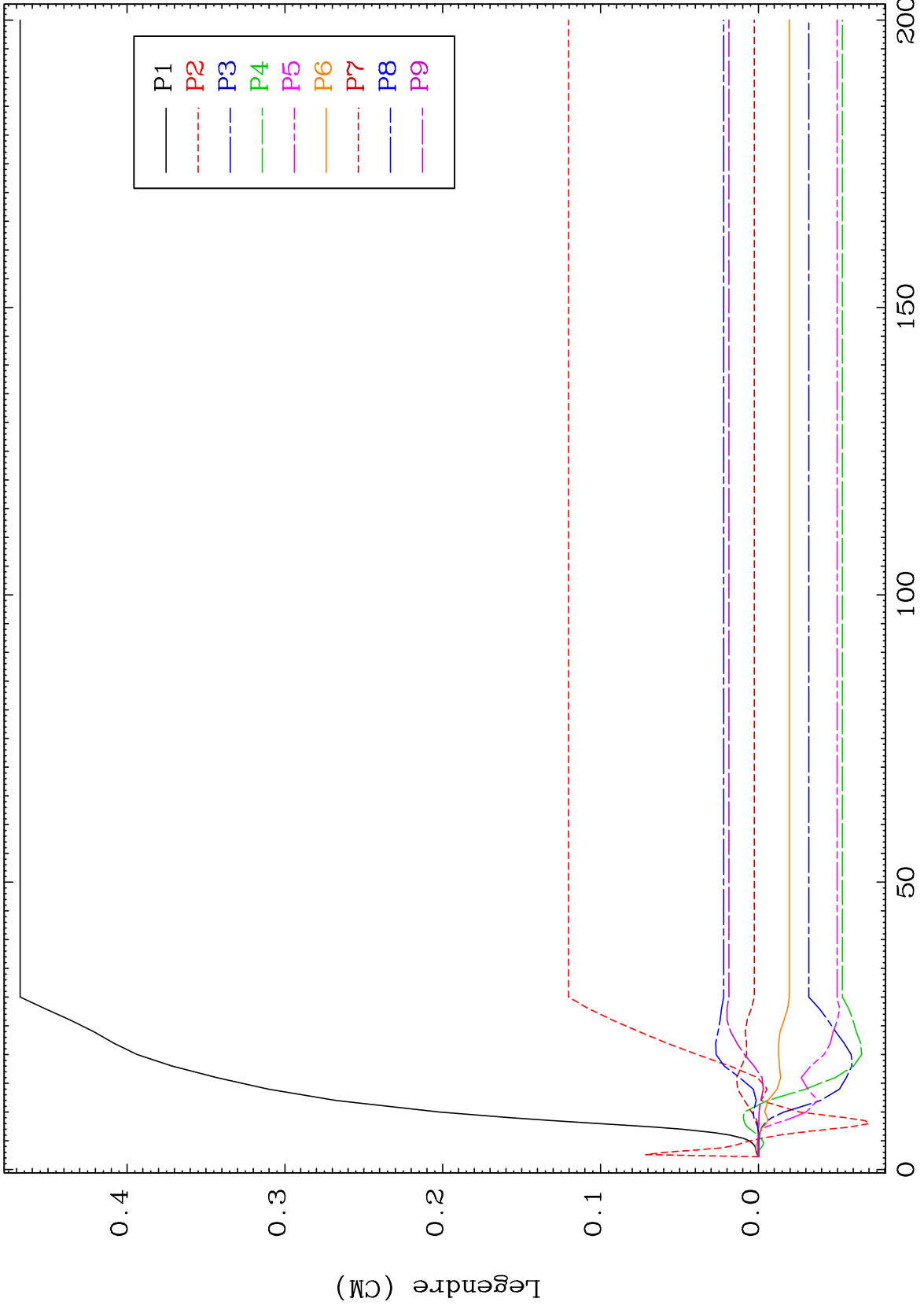
80-Hg-205



62

80-Hg-205

MAT 8052 MT= 62 (n,n') Level Legendre Coefficients 80-Hg-205

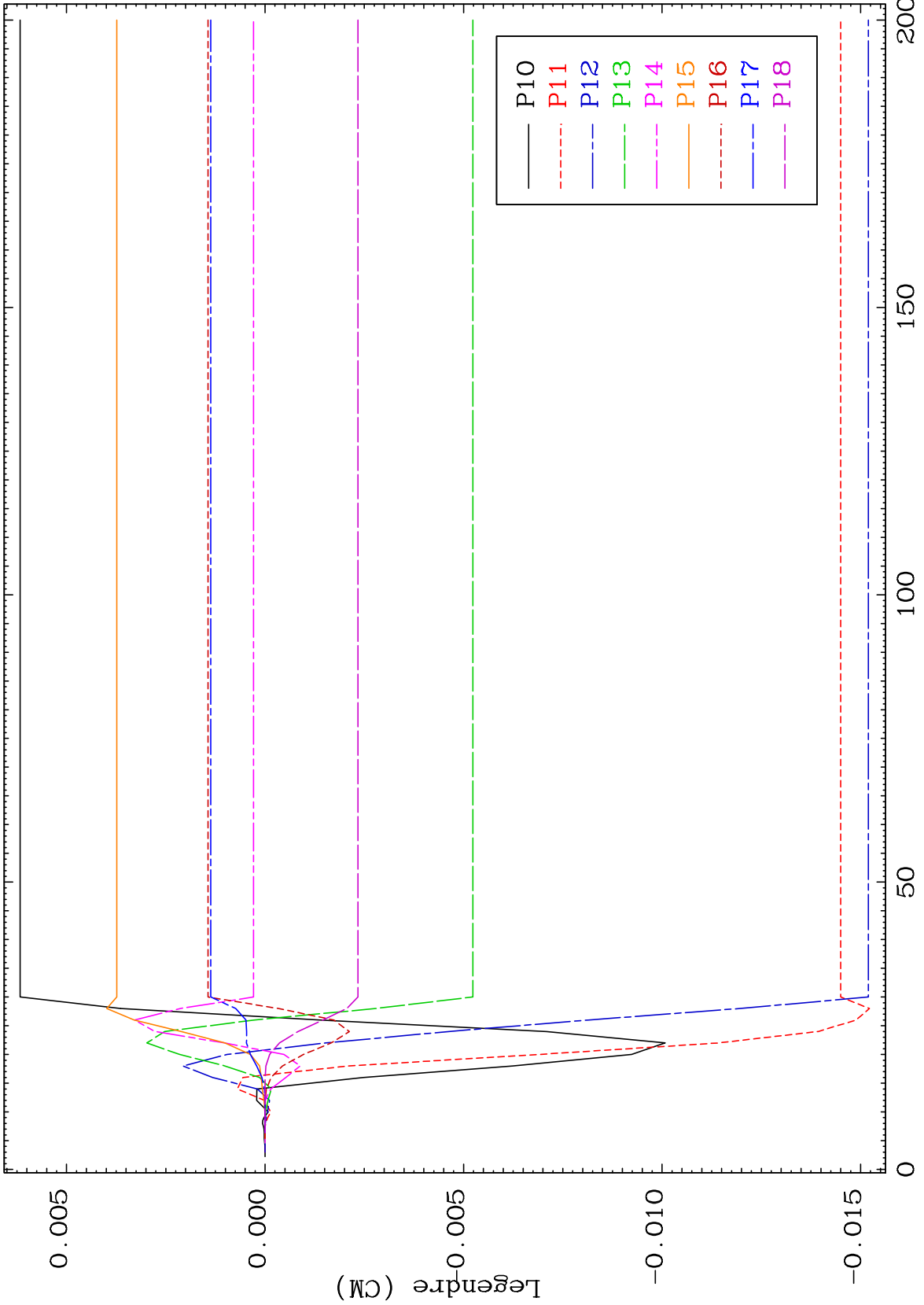


63 80-Hg-205

MAT 8052

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

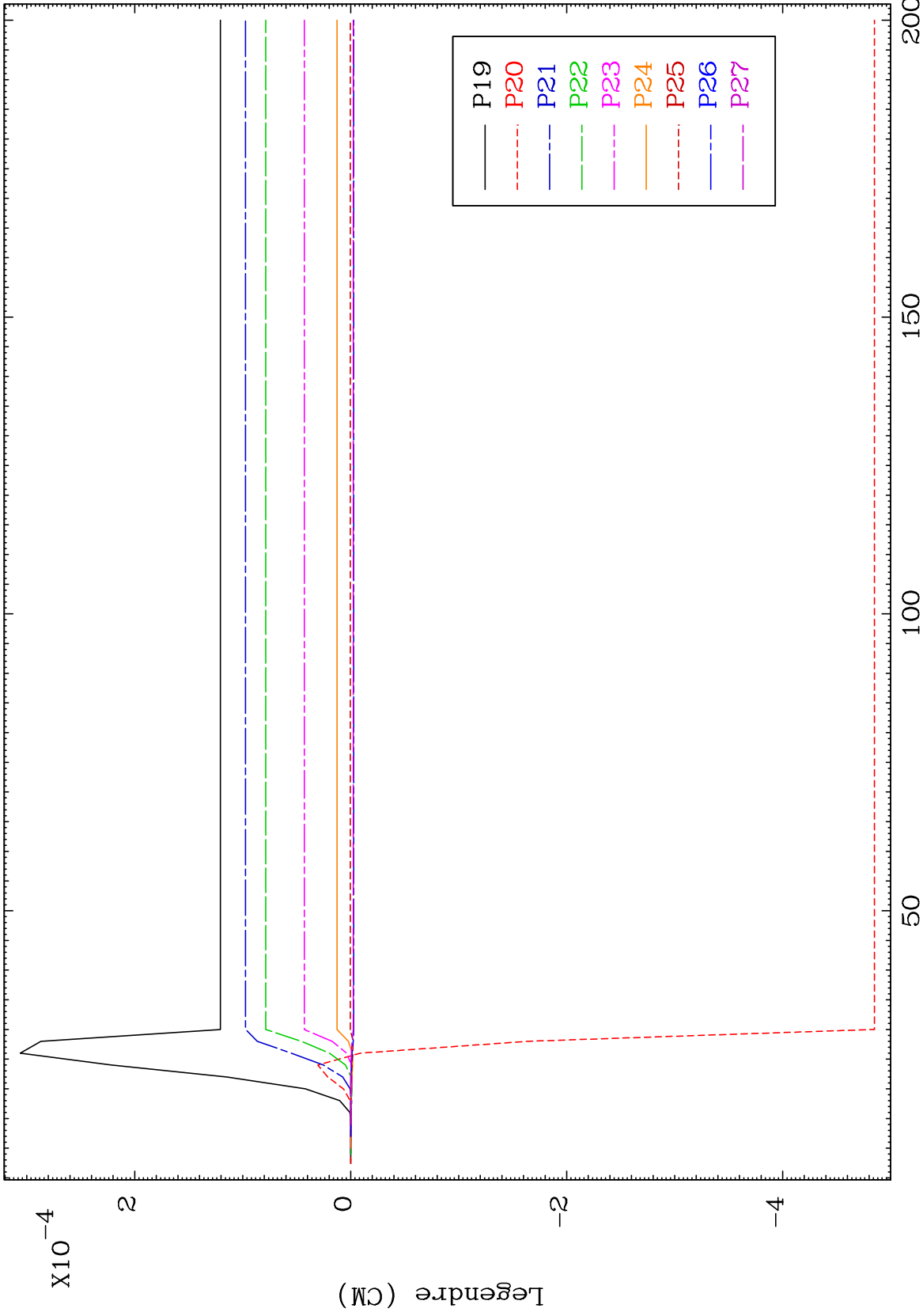
80-Hg-205



MAT 8052

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

80-Hg-205

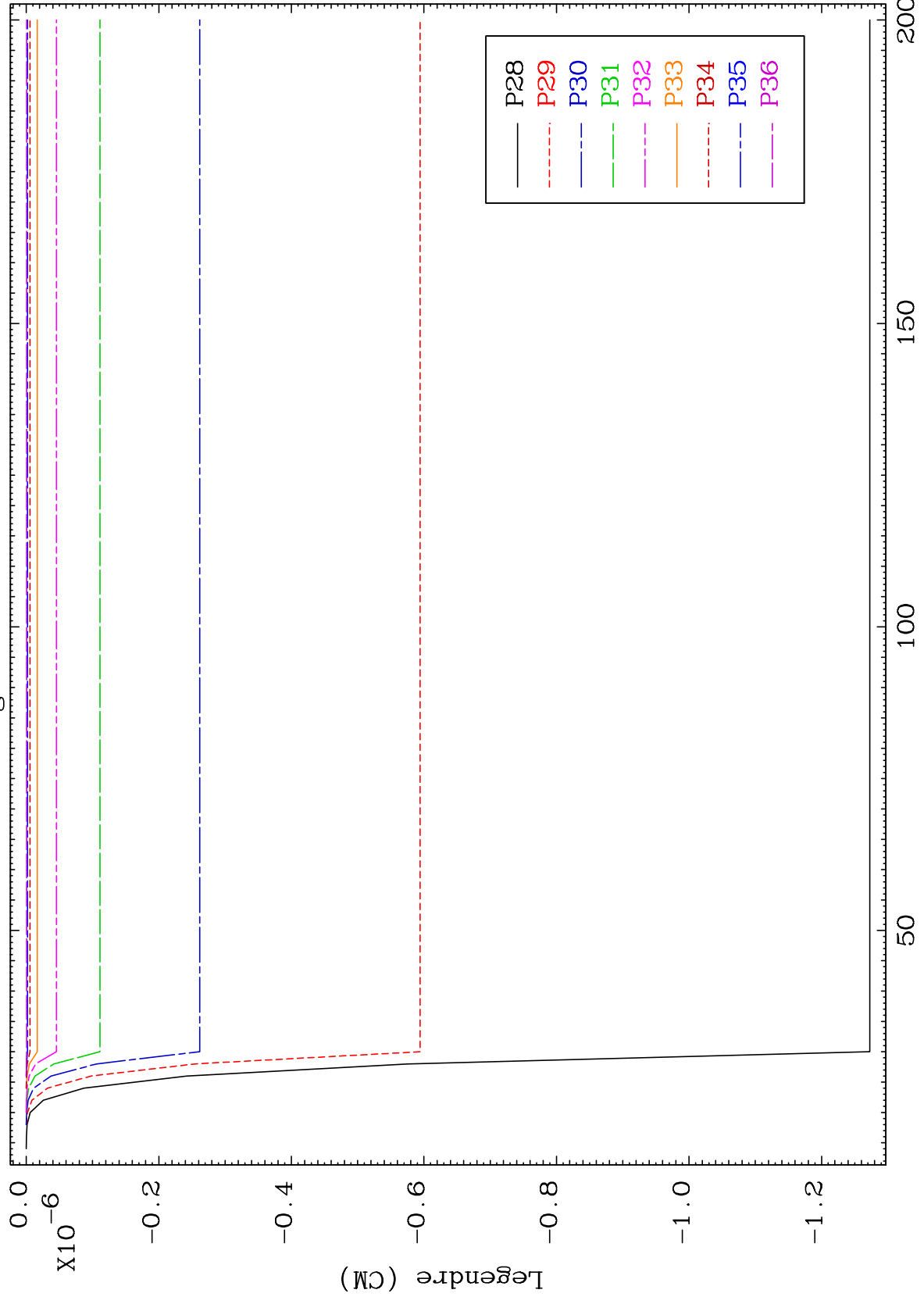


65

Incident Energy (MeV)

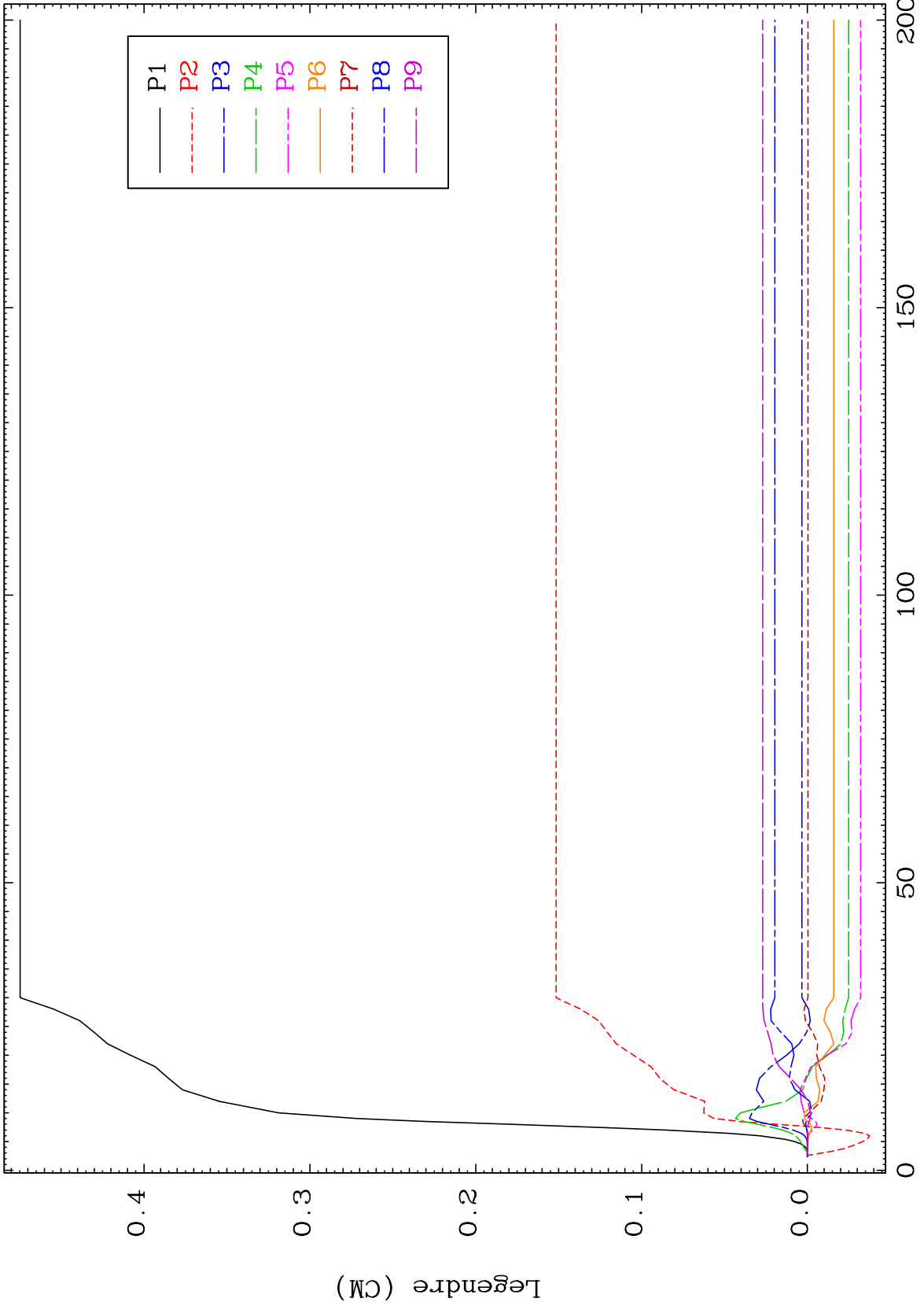
80-Hg-205

MAT 8052 MT= 62 (n,n') Level Legendre Coefficients 80-Hg-205



66 80-Hg-205

MAT 8052 MT= 63 (n,n') Level Legendre Coefficients 80-Hg-205

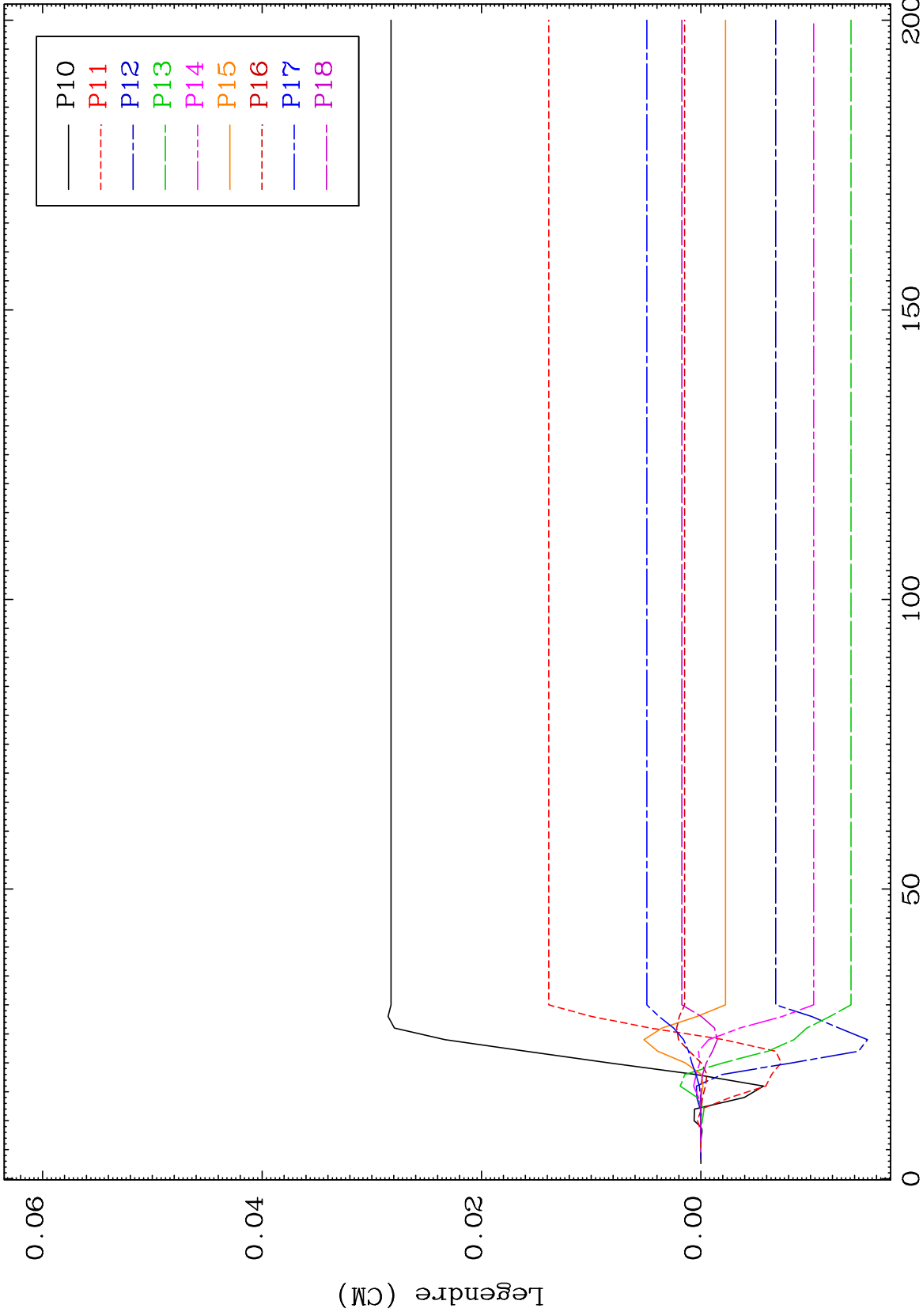


67 80-Hg-205

MAT 8052

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

80-Hg-205



68

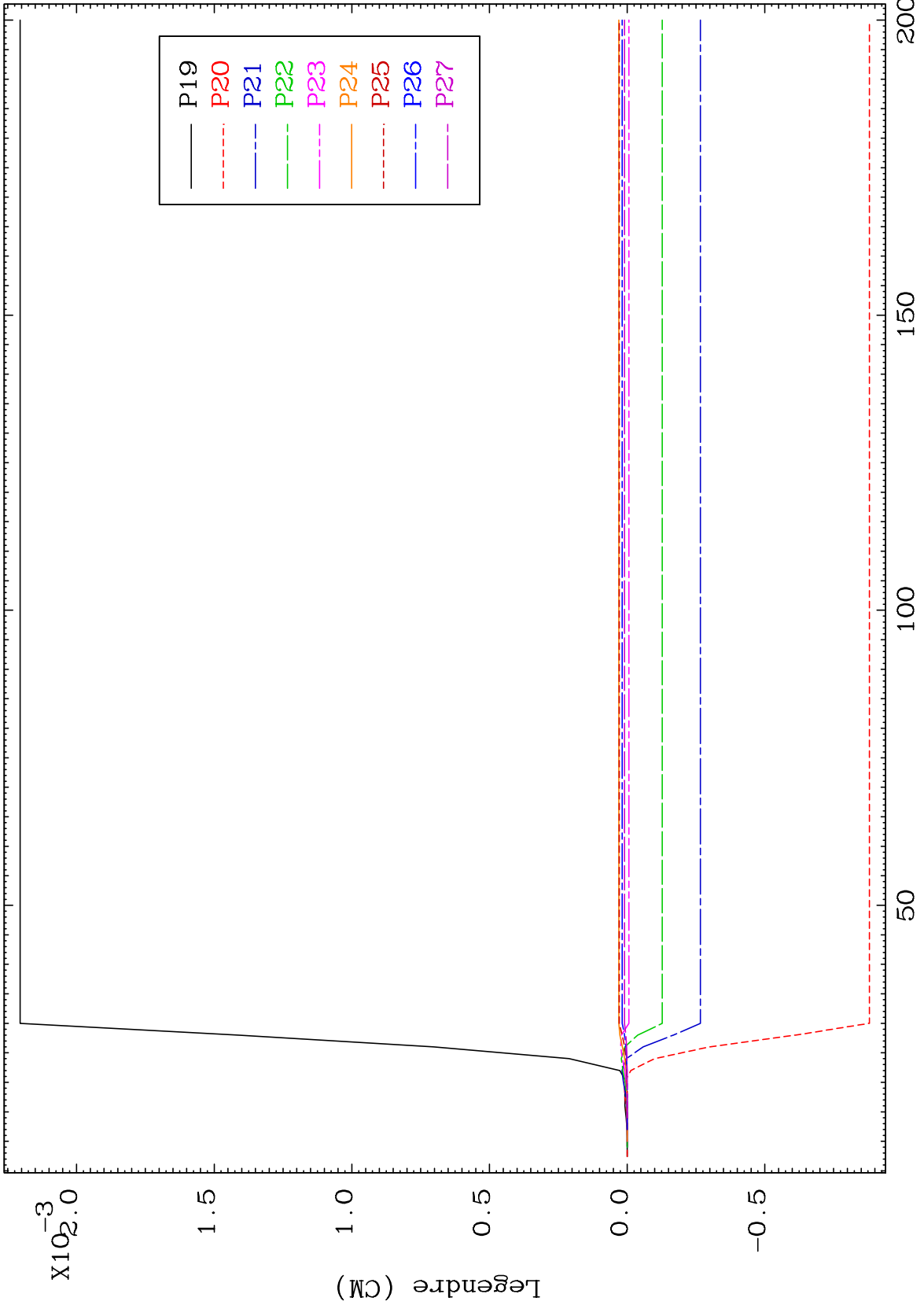
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205



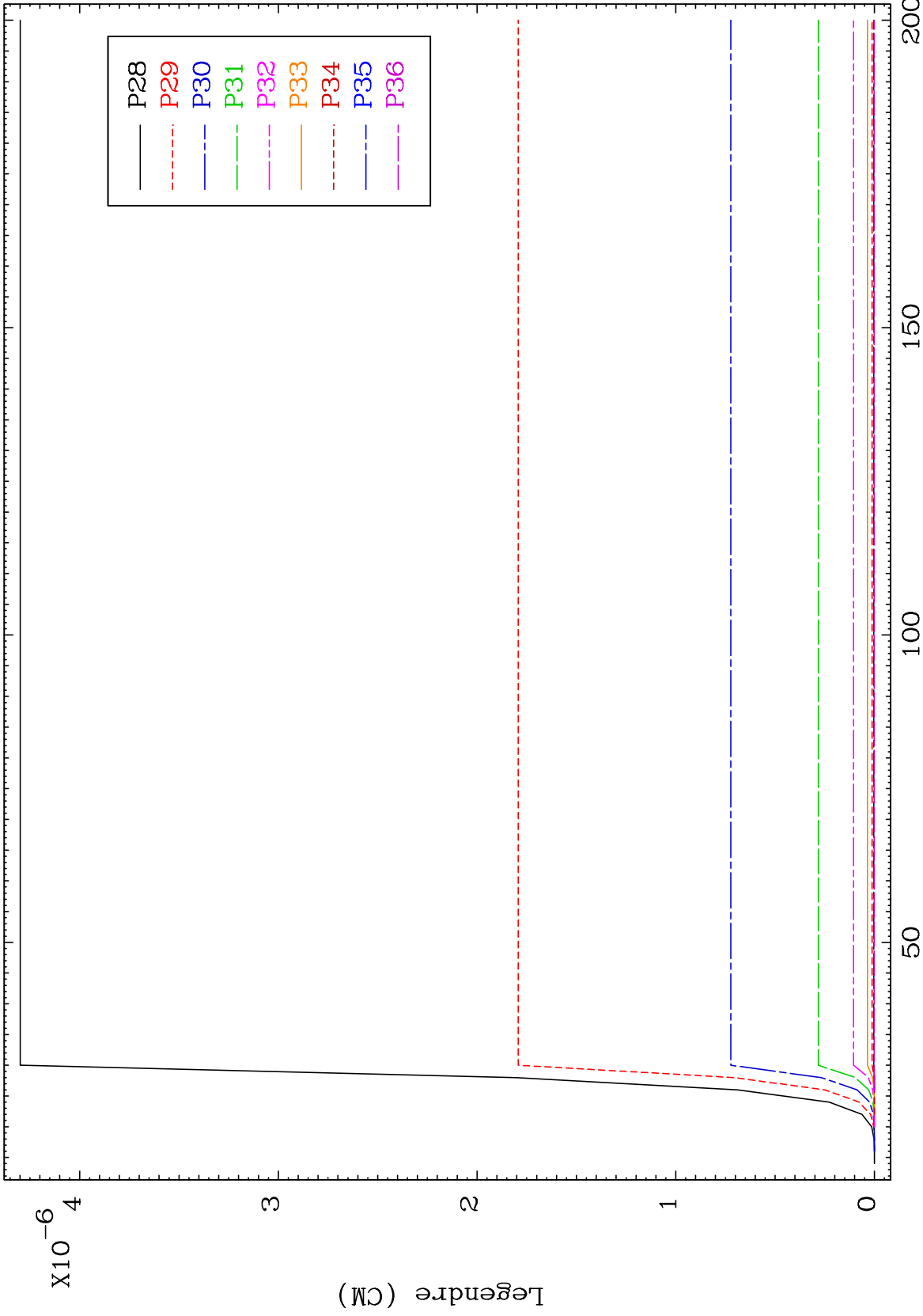
69

80-Hg-205

MAT 8052

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

80-Hg-205



70

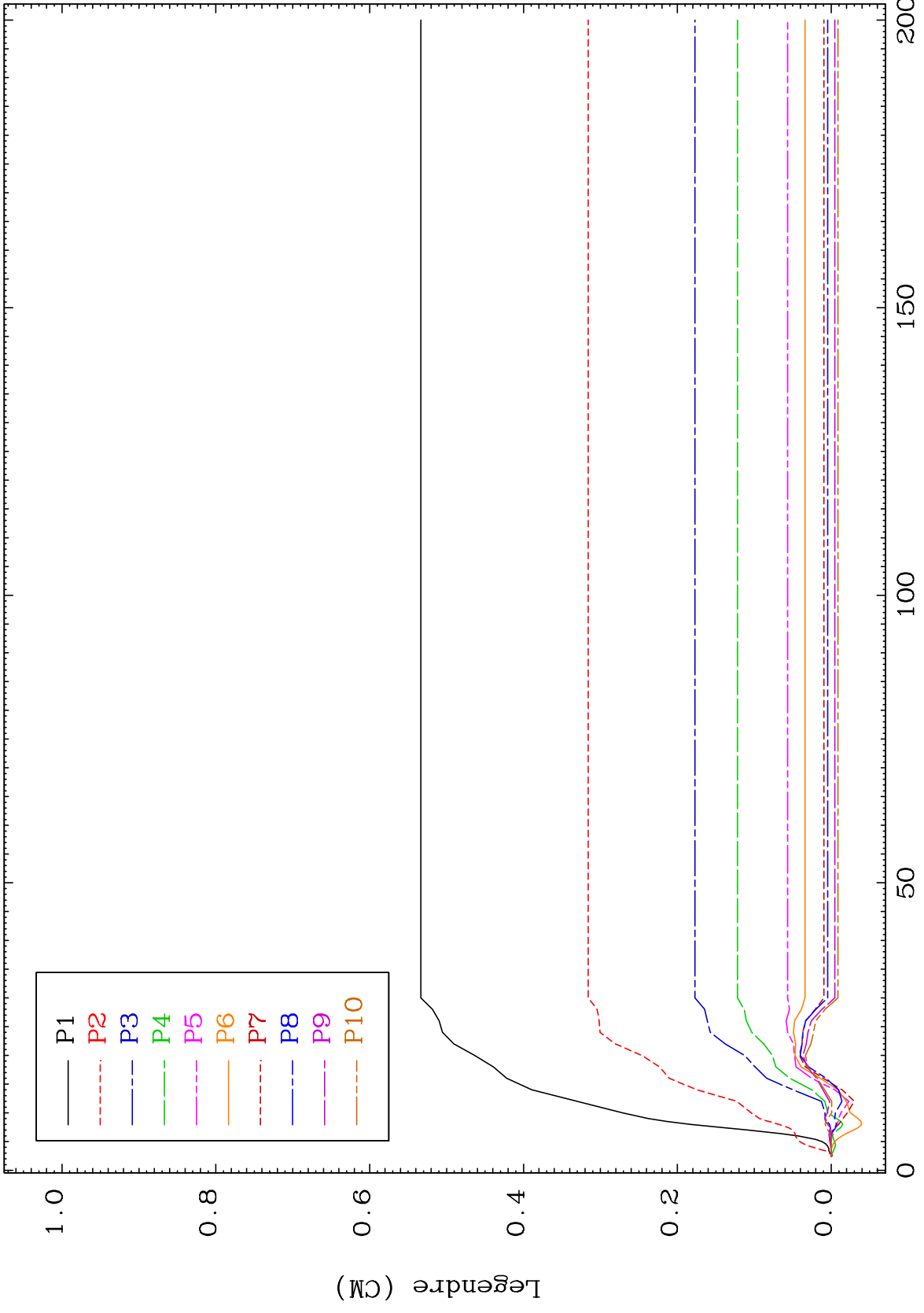
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205



71

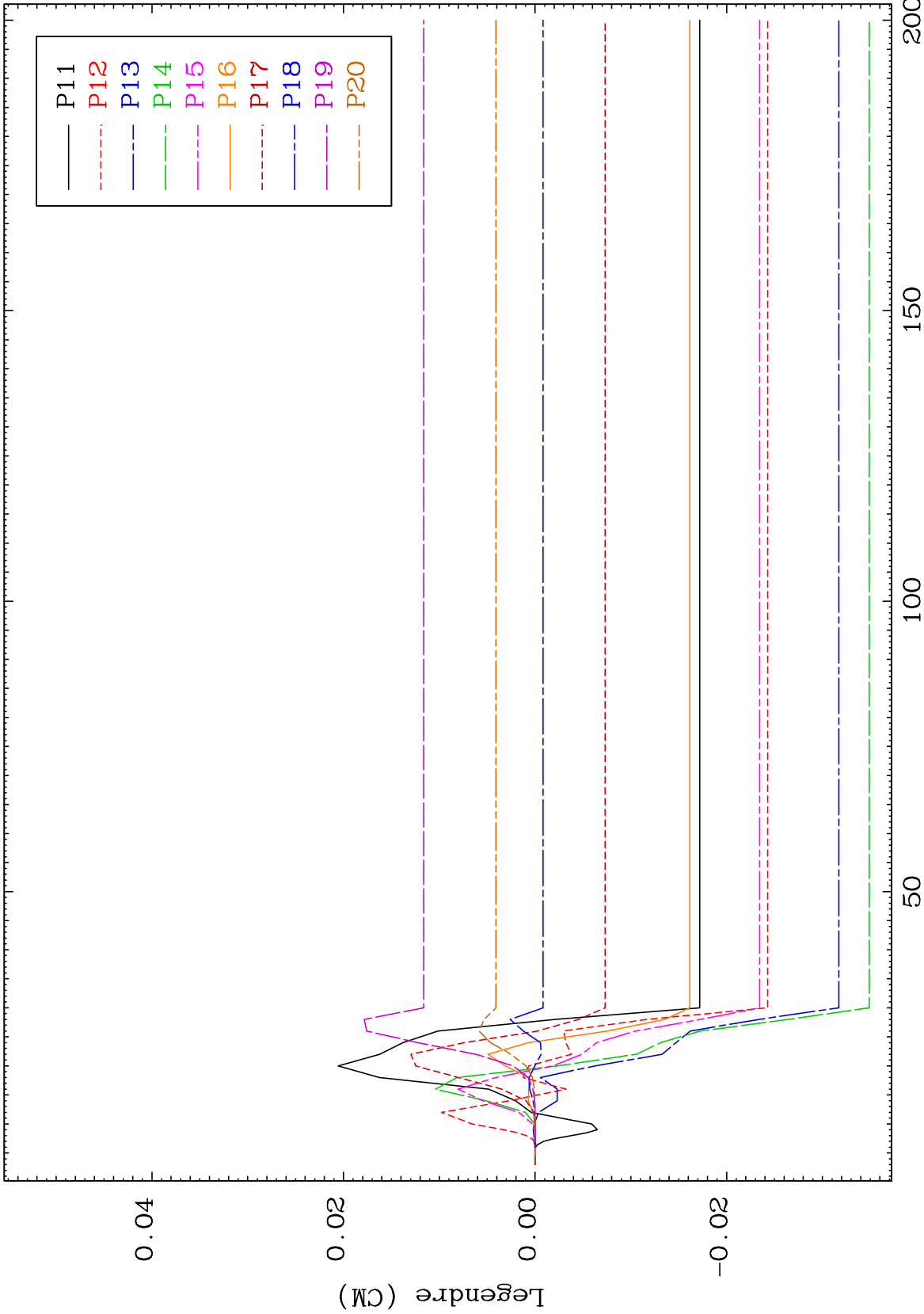
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205



72

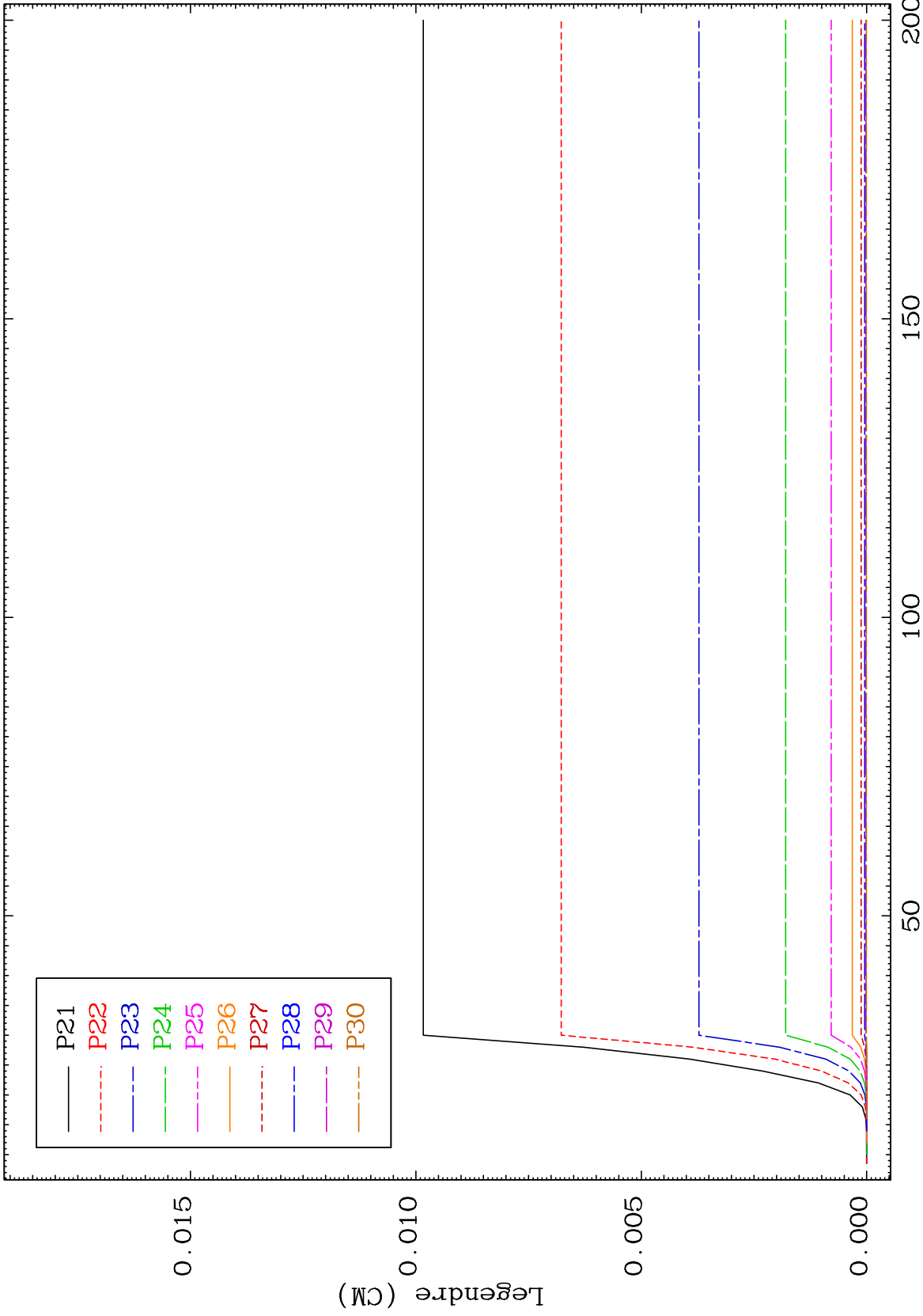
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205



73

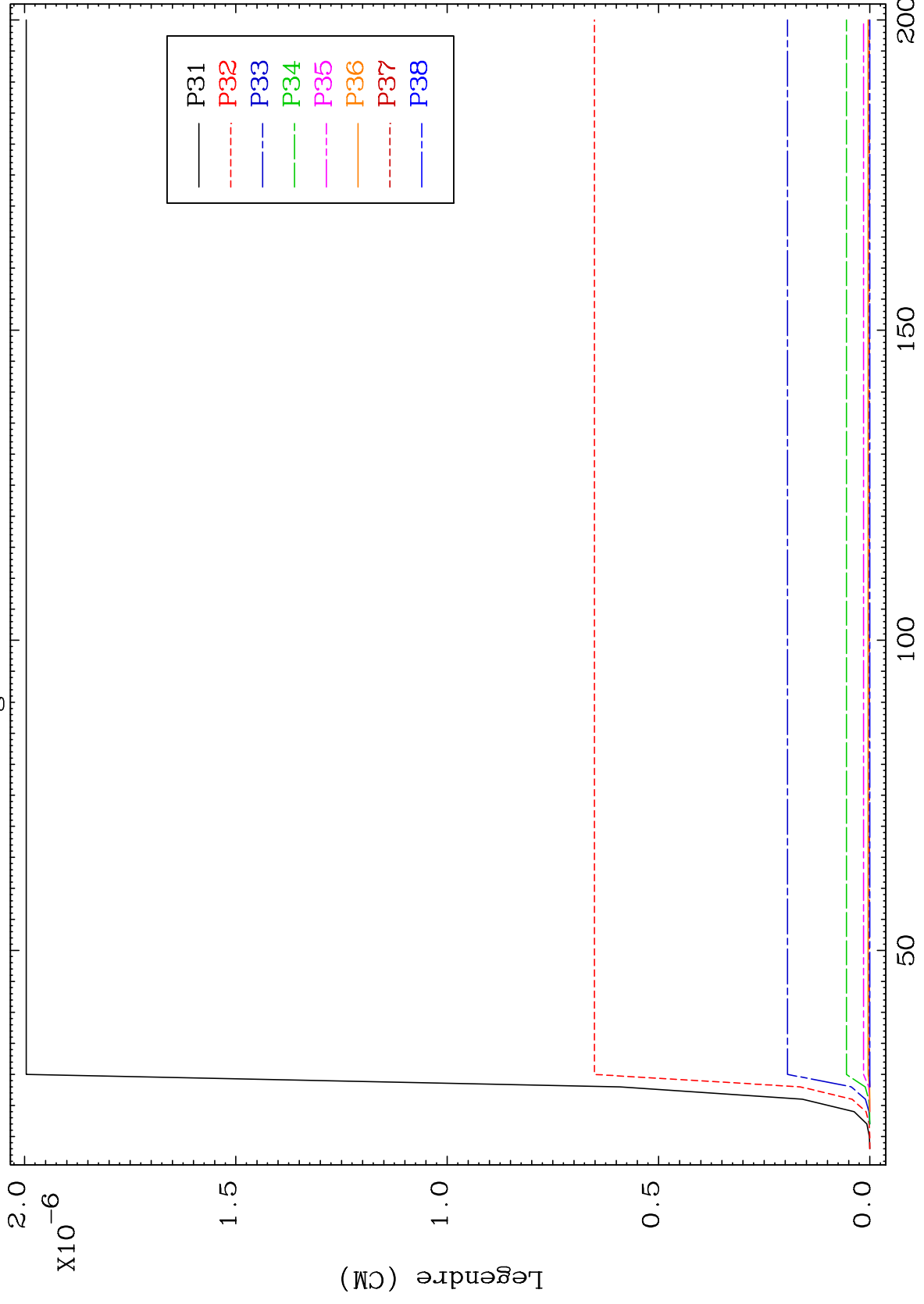
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205

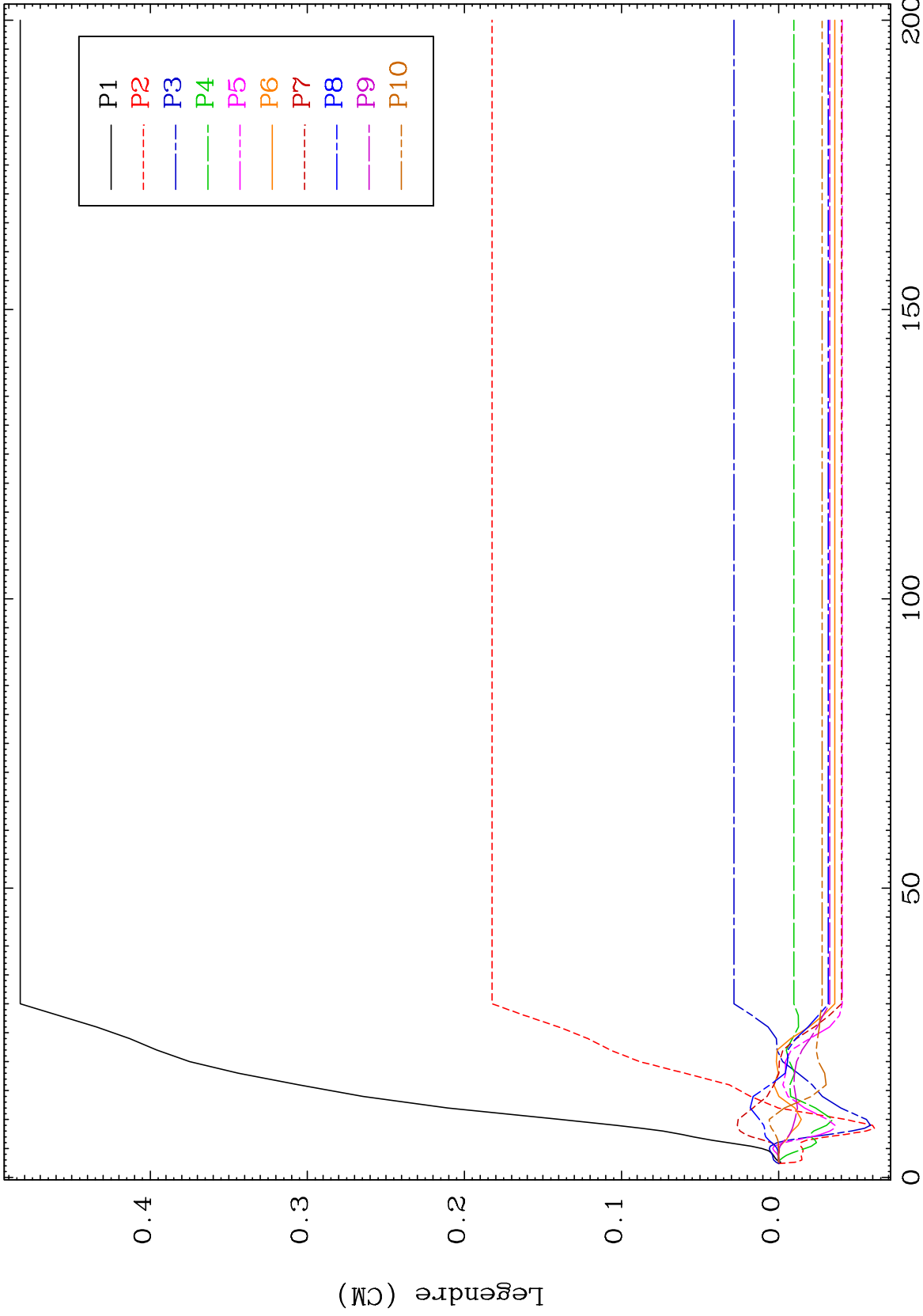


74

MAT 8052

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

80-Hg-205



75

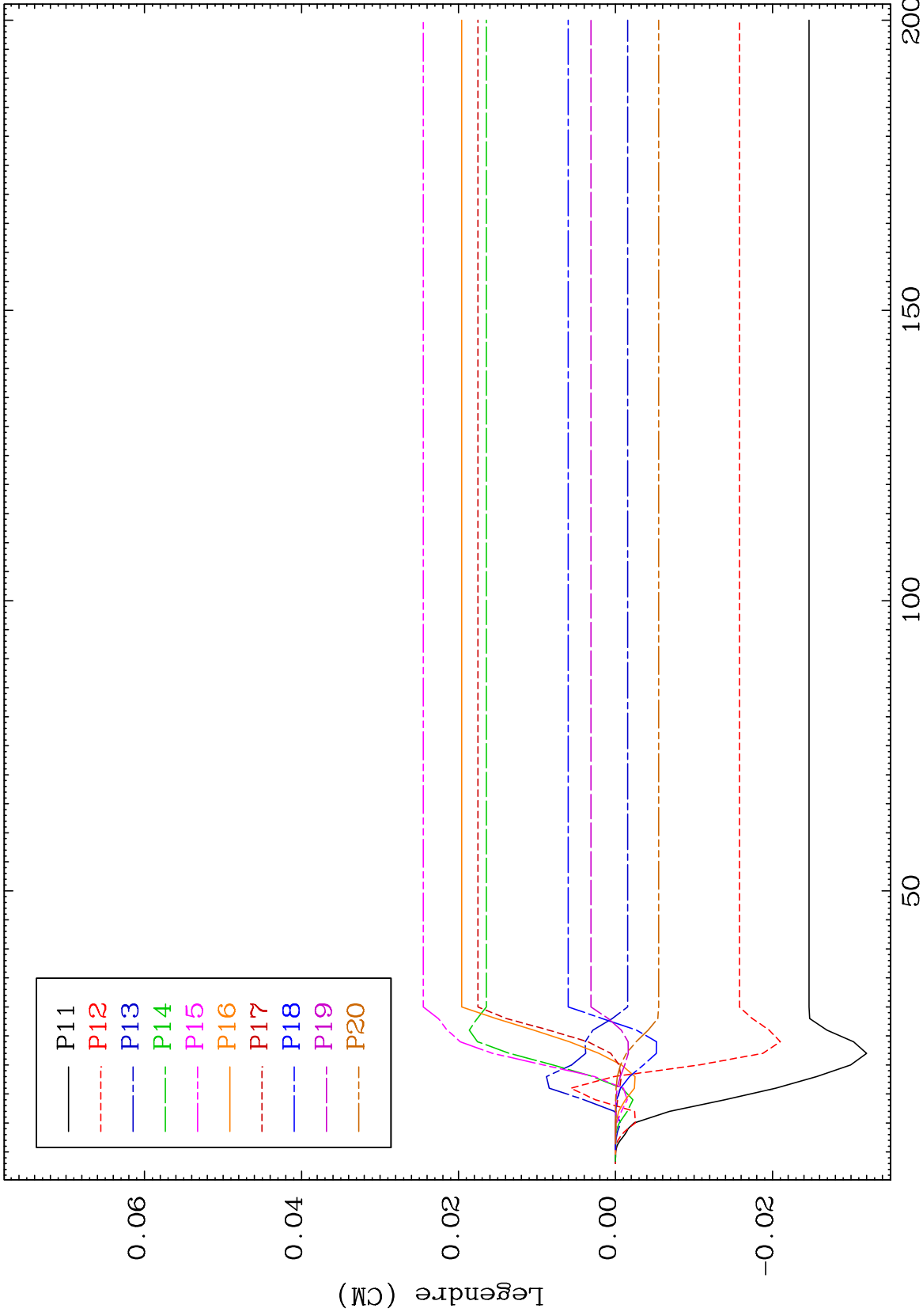
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205



76

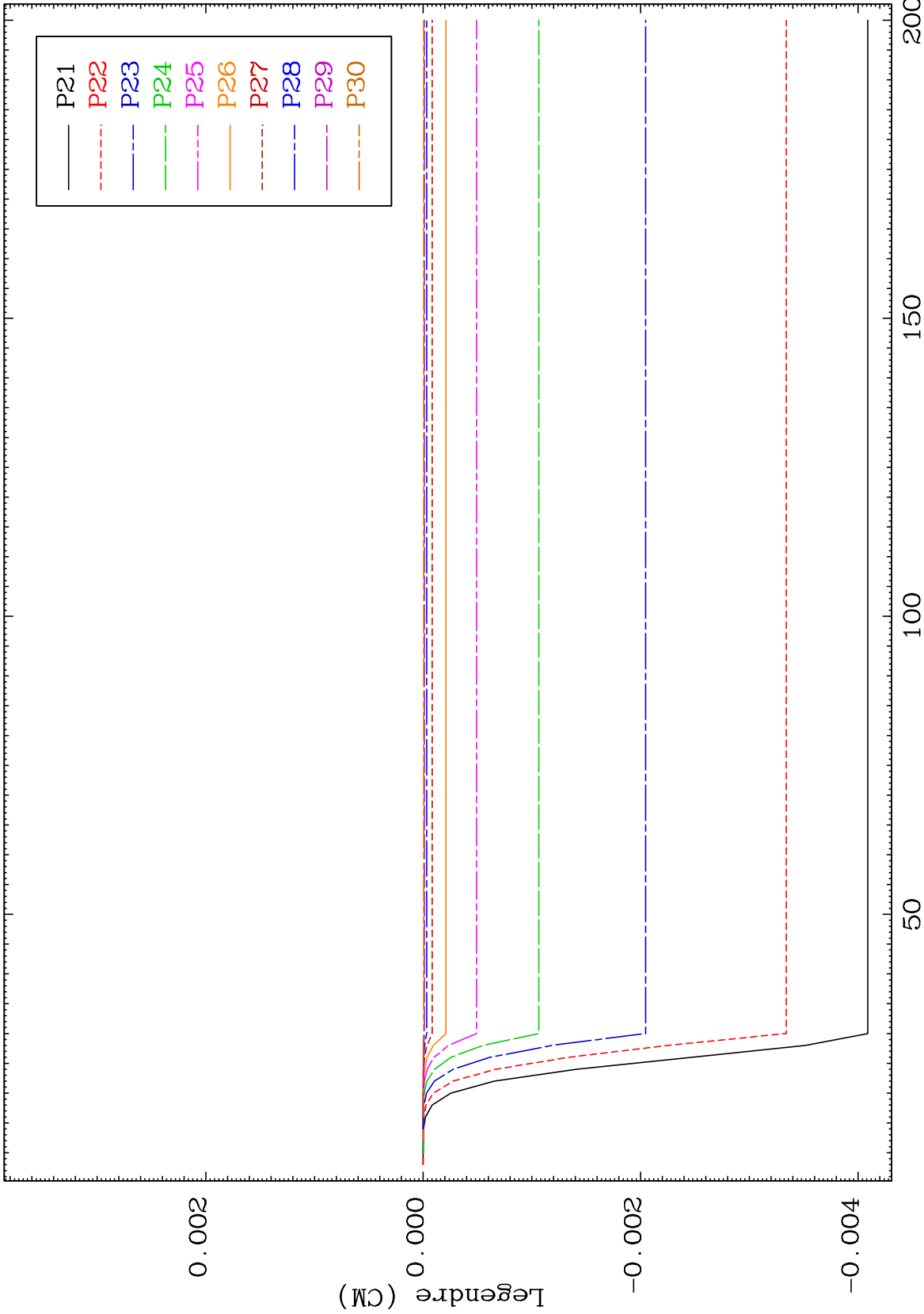
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205



77

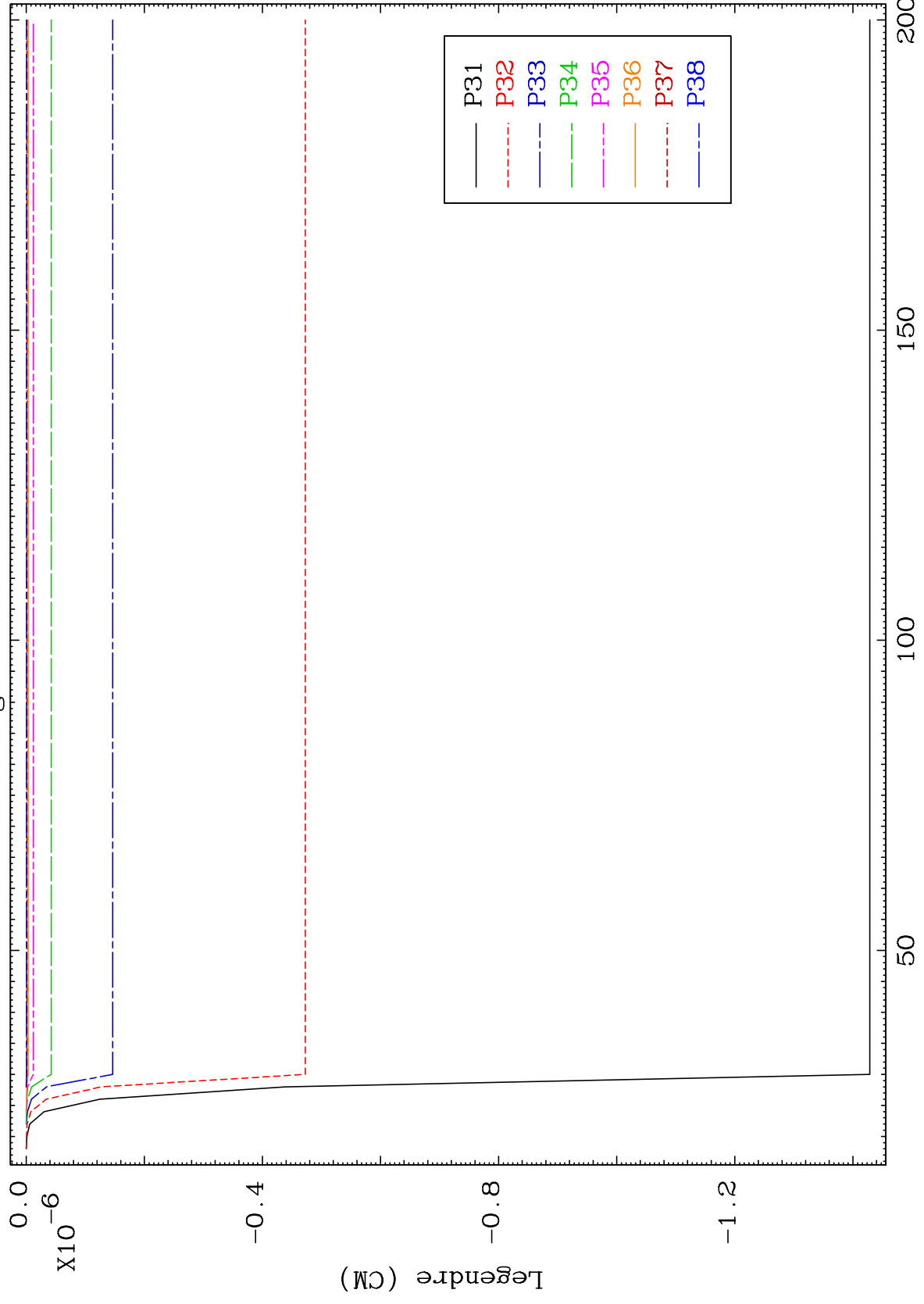
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

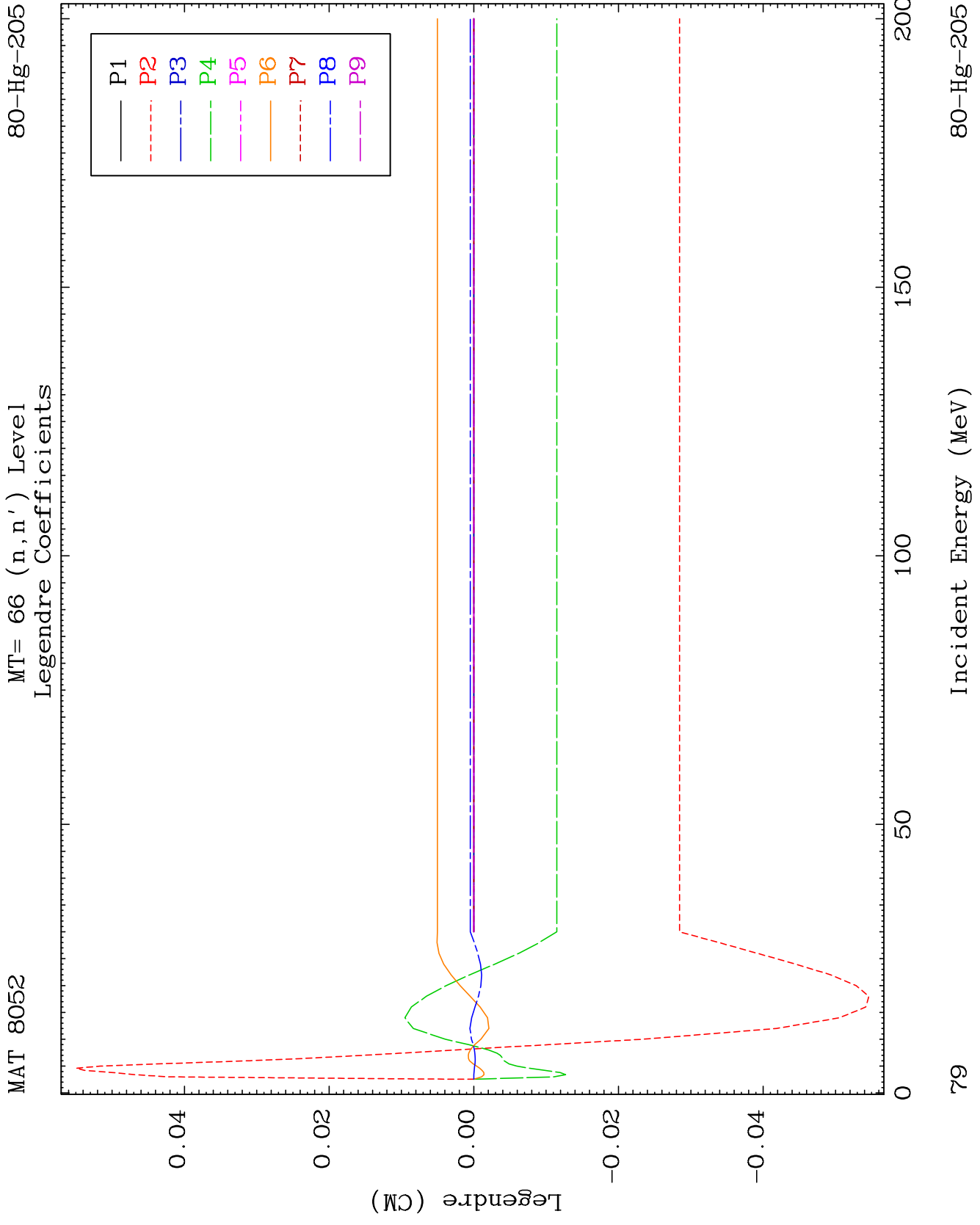
80-Hg-205



80-Hg-205

Incident Energy (MeV)

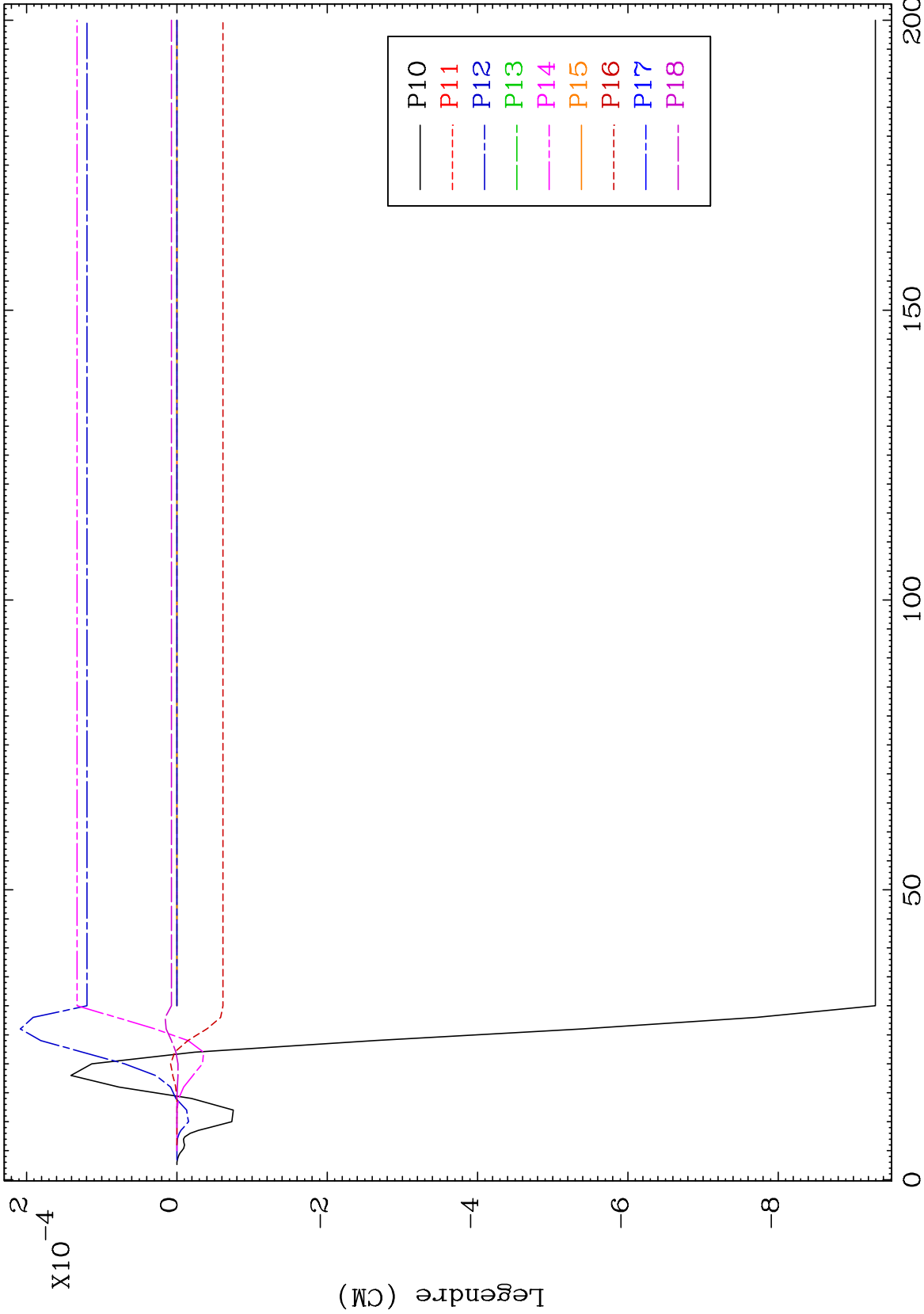
78



MAT 8052

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

80-Hg-205



80

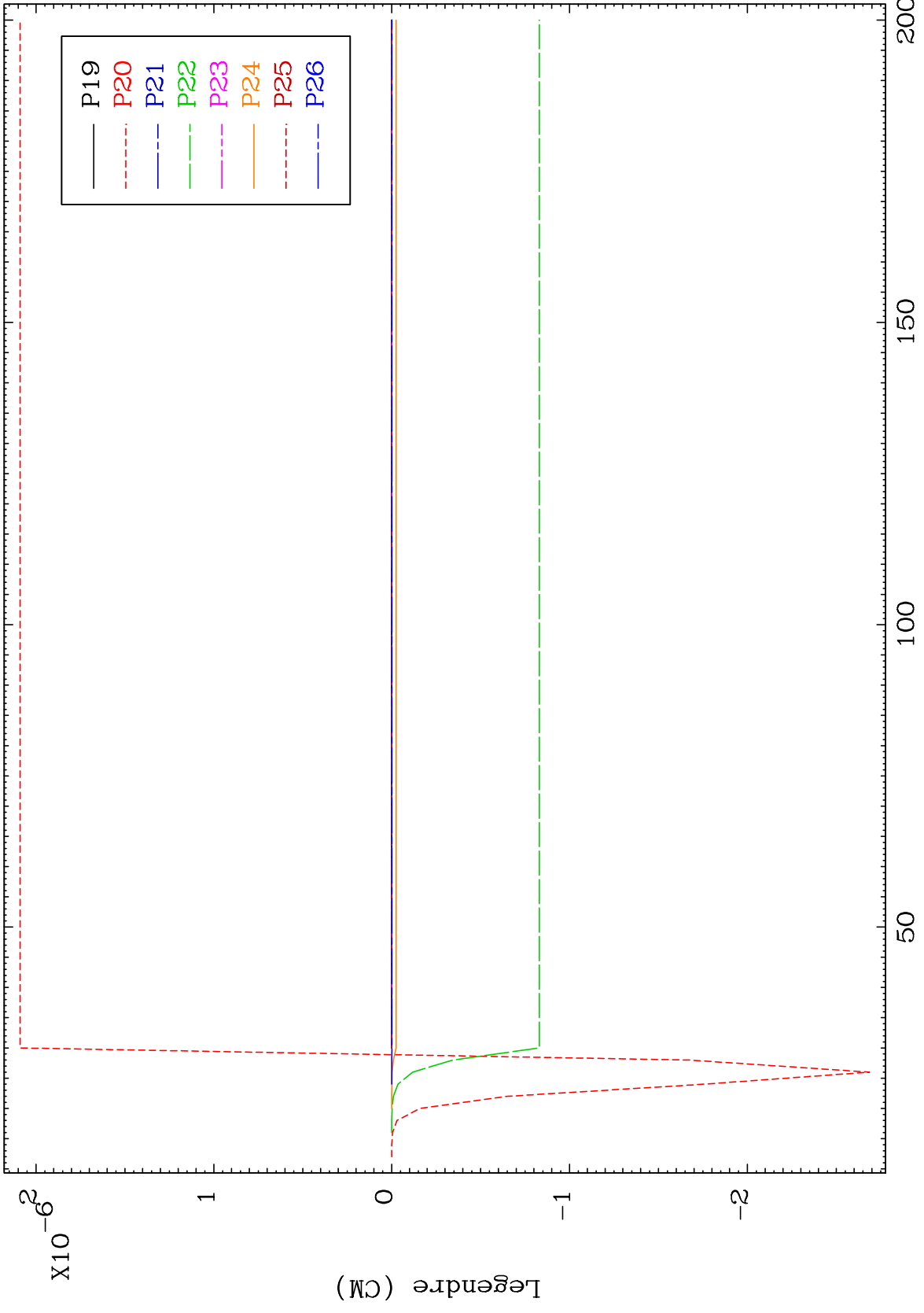
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205



80-Hg-205

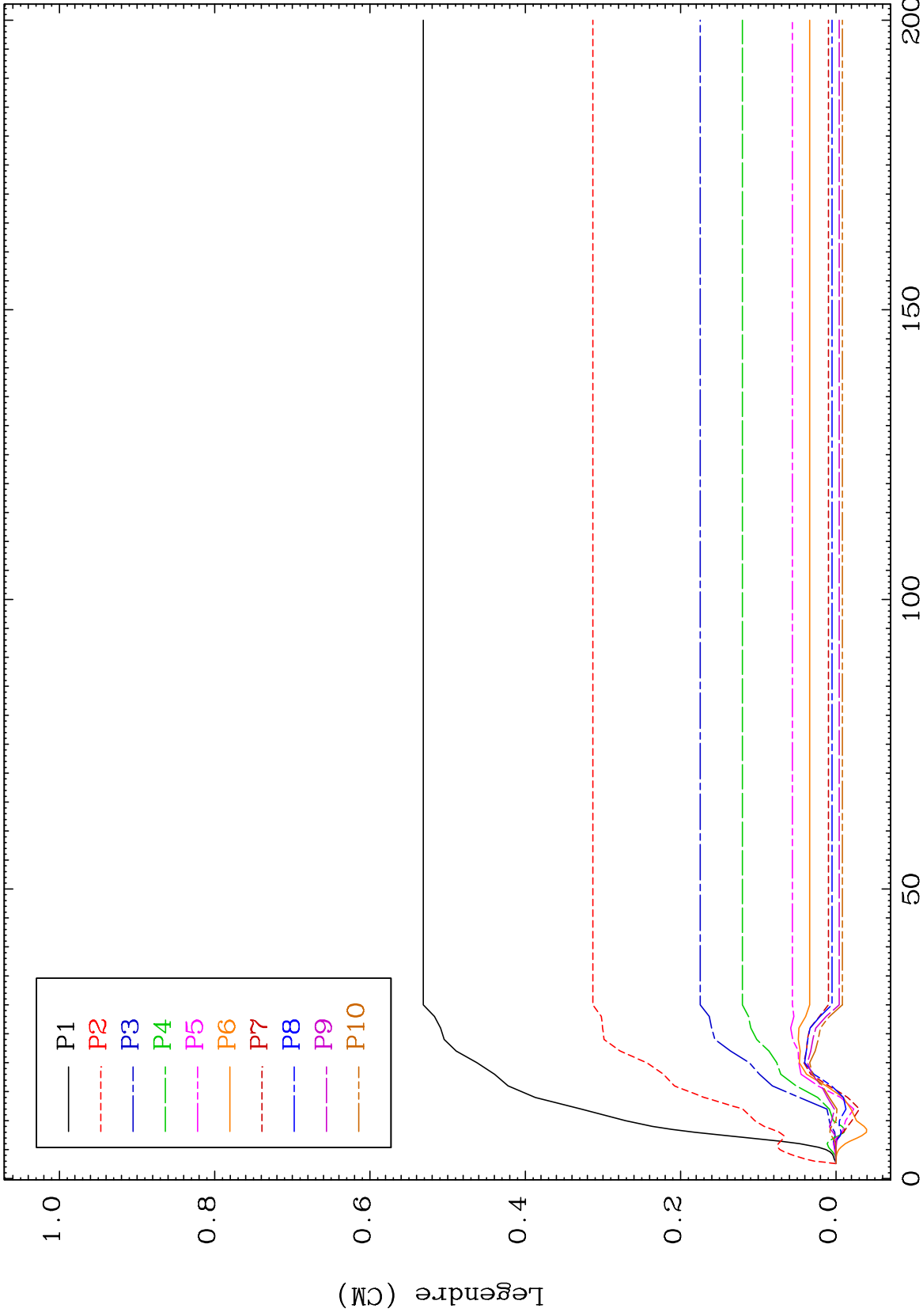
Incident Energy (MeV)

81

MAT 8052

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

80-Hg-205



82

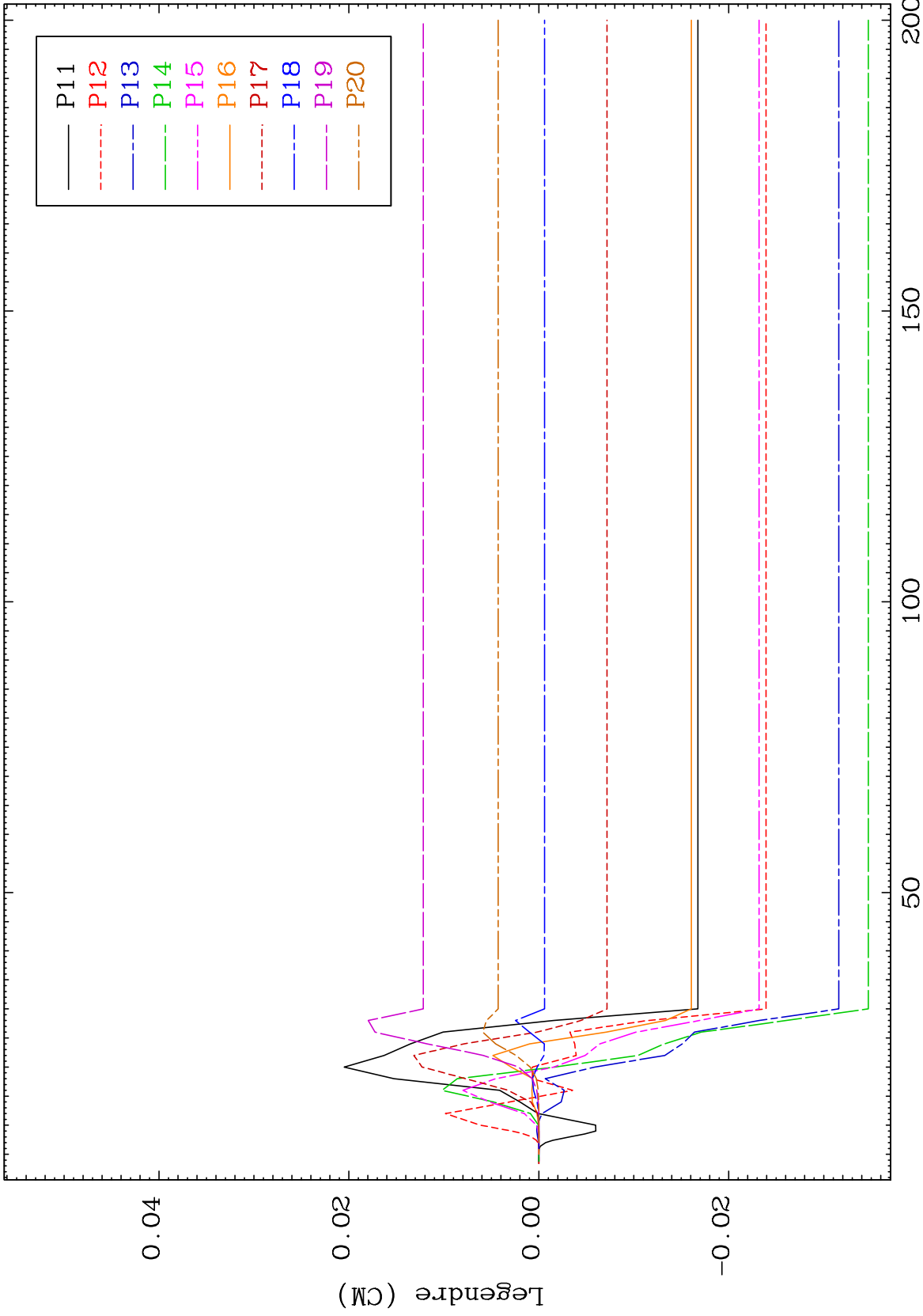
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205



83

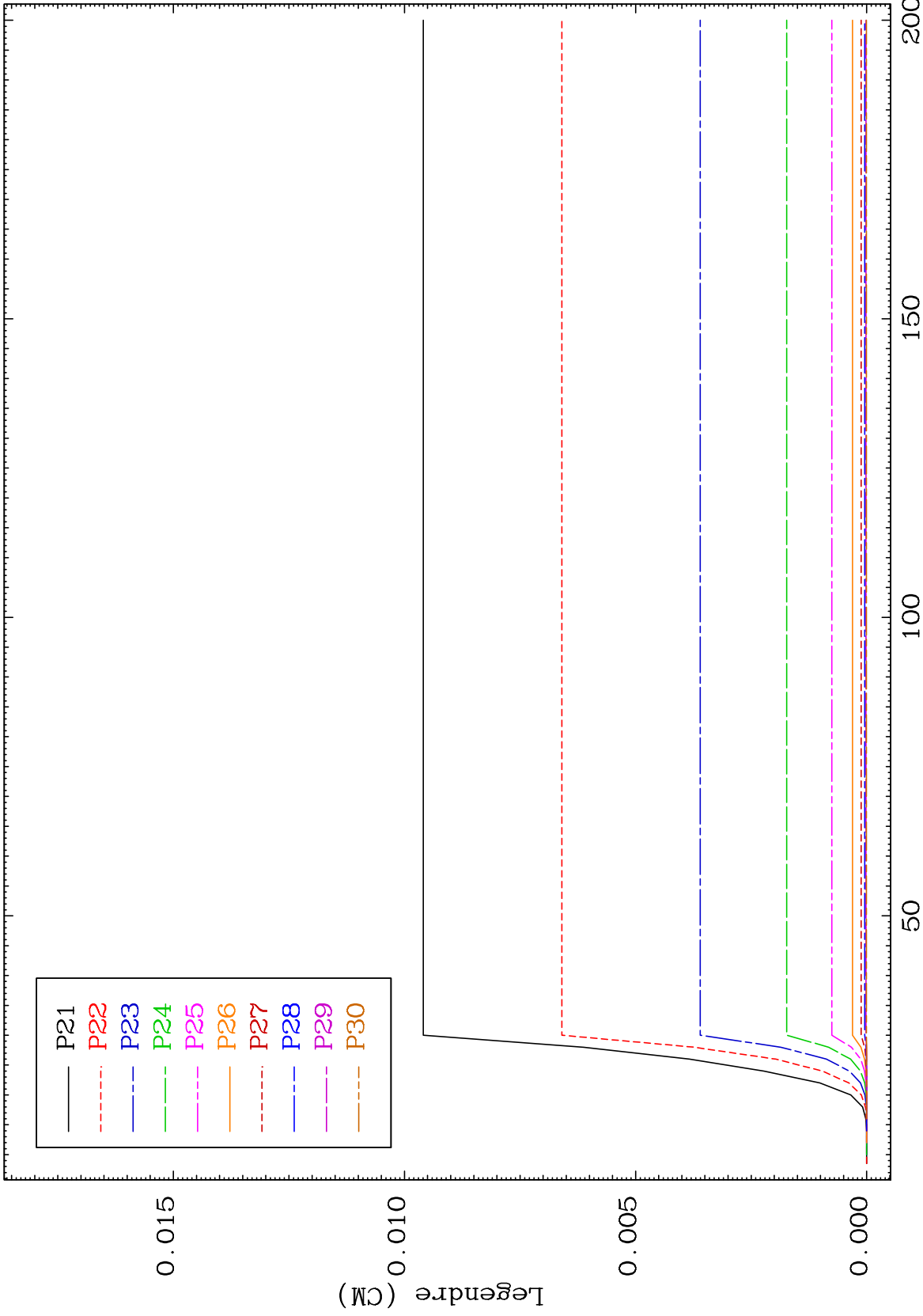
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205



84

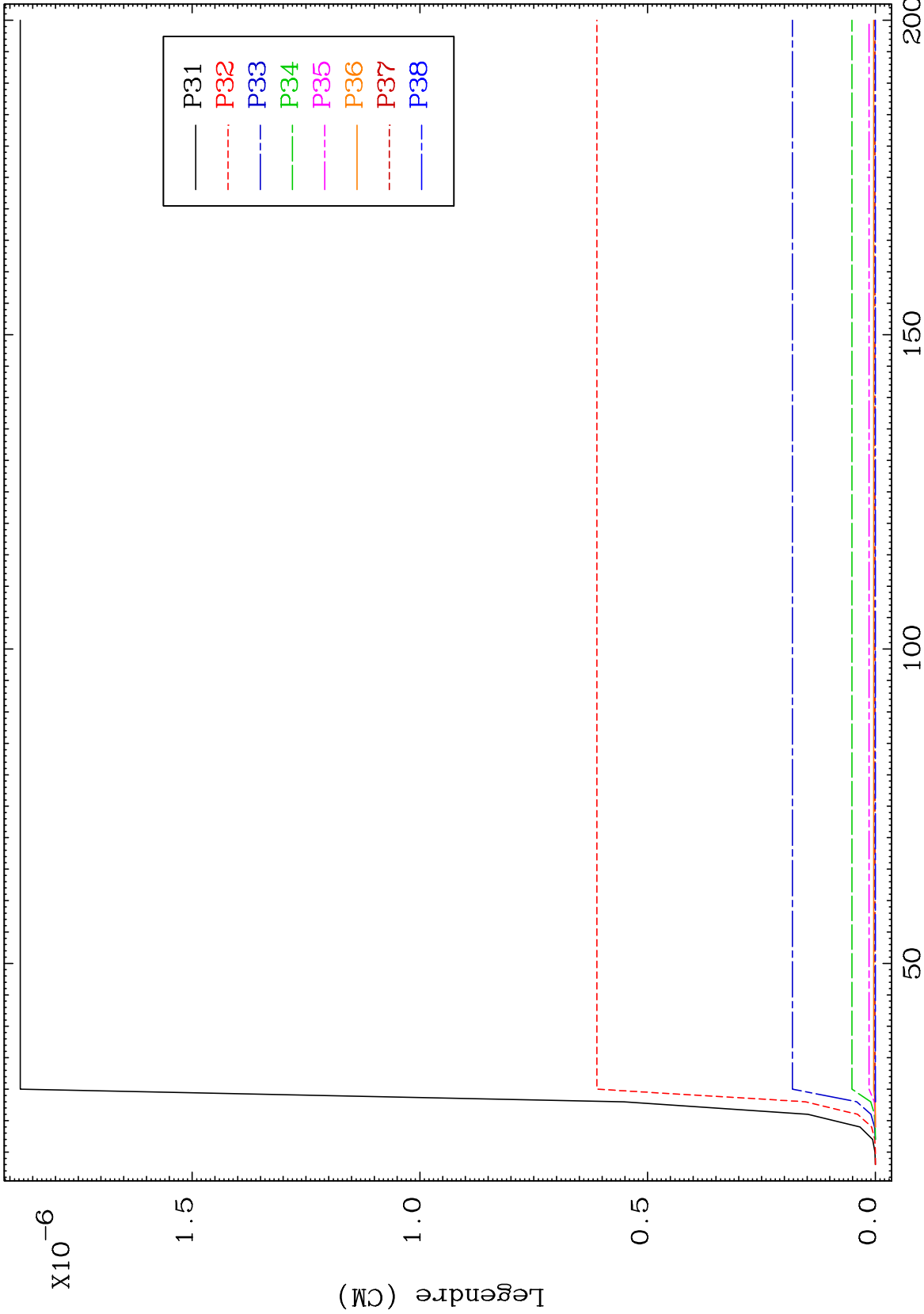
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

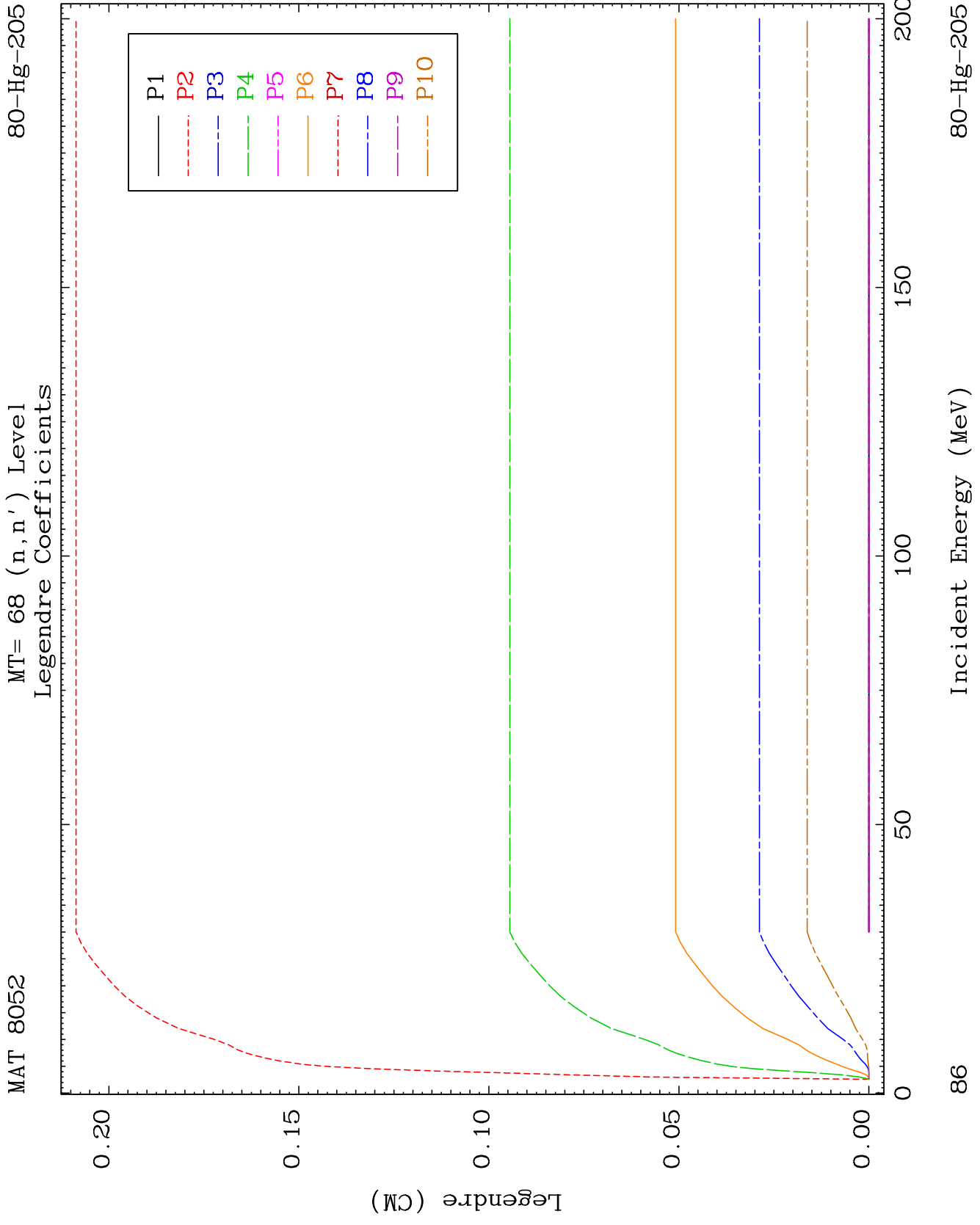
80-Hg-205



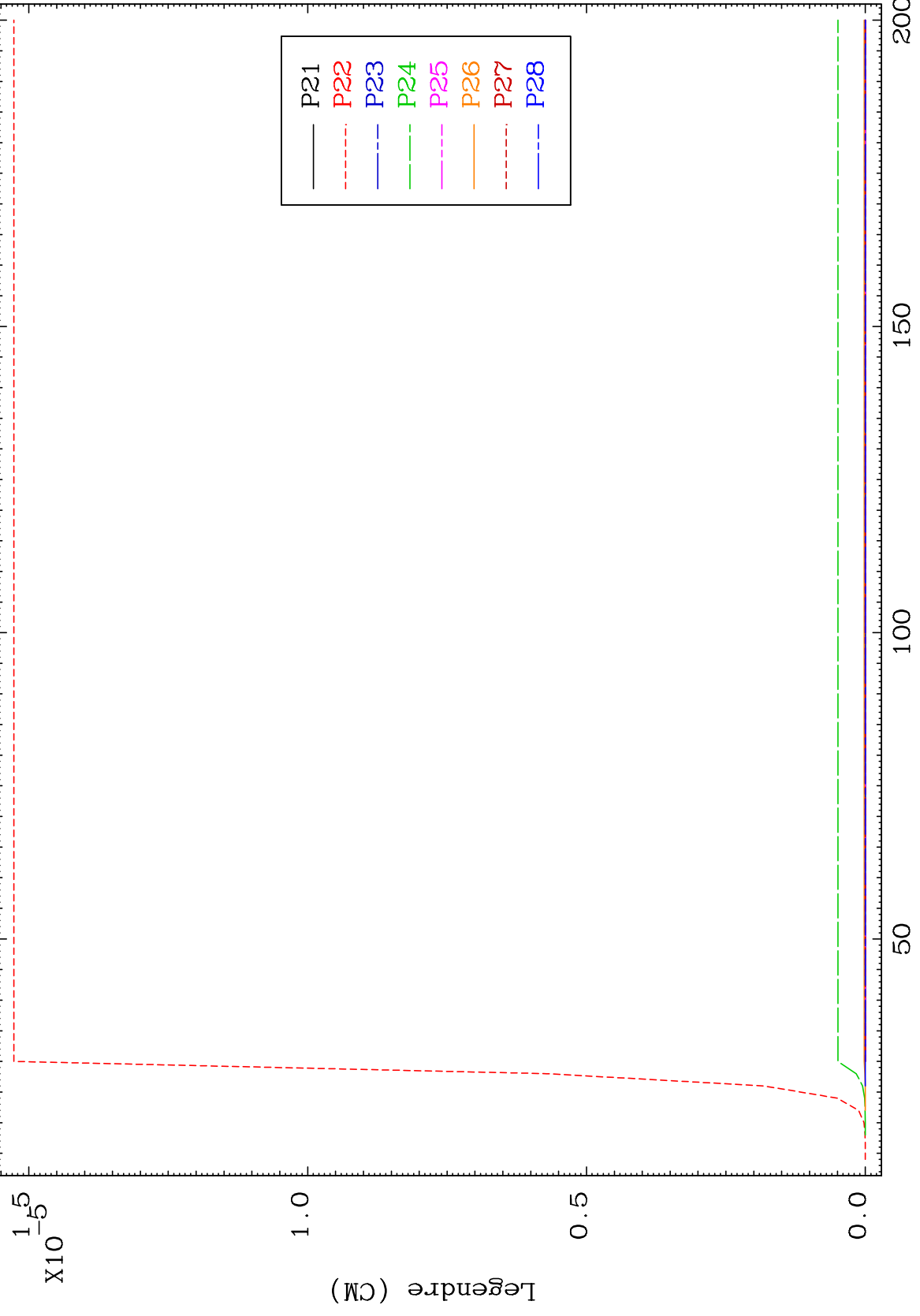
85

Incident Energy (MeV)

80-Hg-205



MAT 8052 MT= 68 (n,n') Level Legendre Coefficients 80-Hg-205

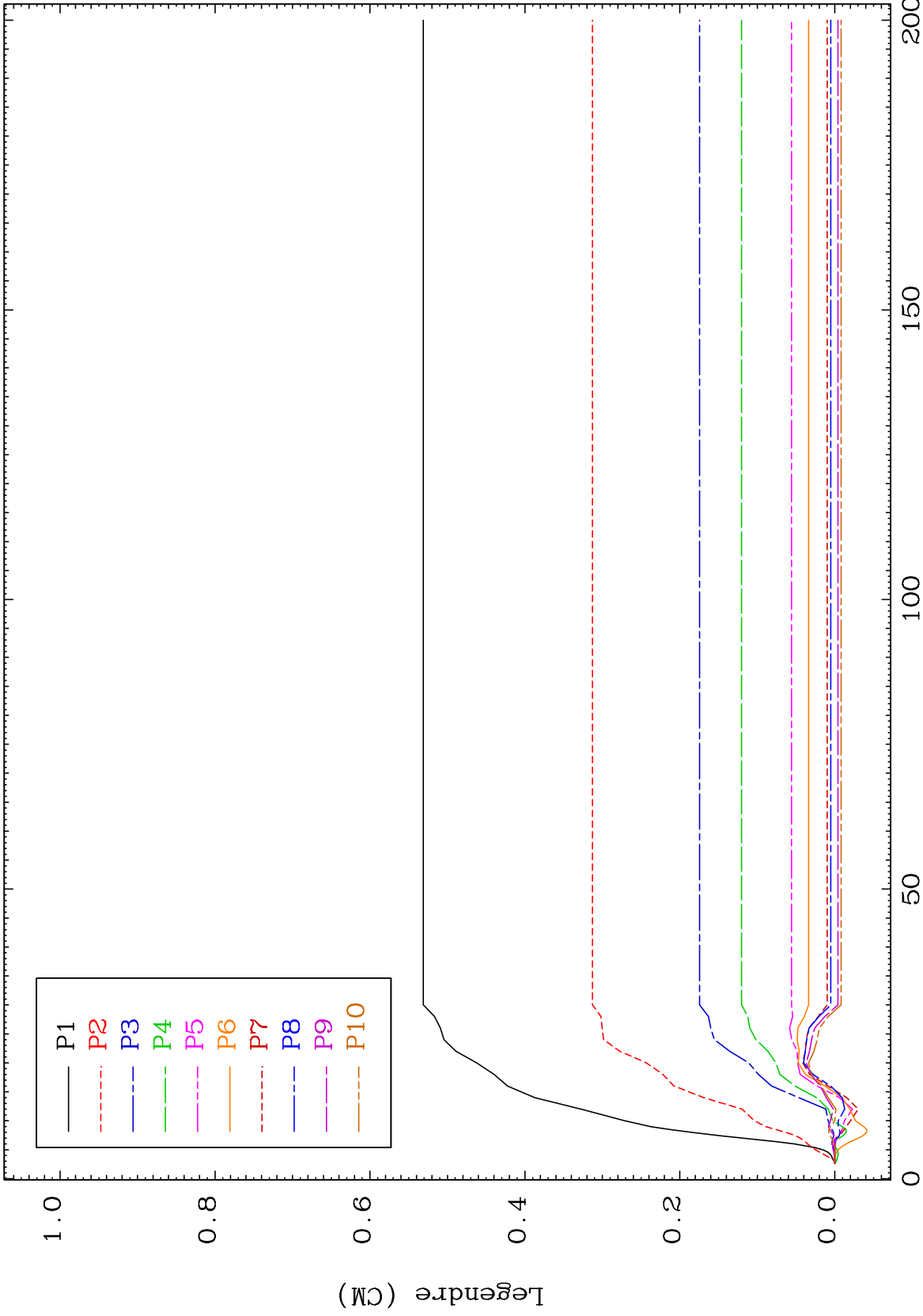


88 80-Hg-205

MAT 8052

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

80-Hg-205



89

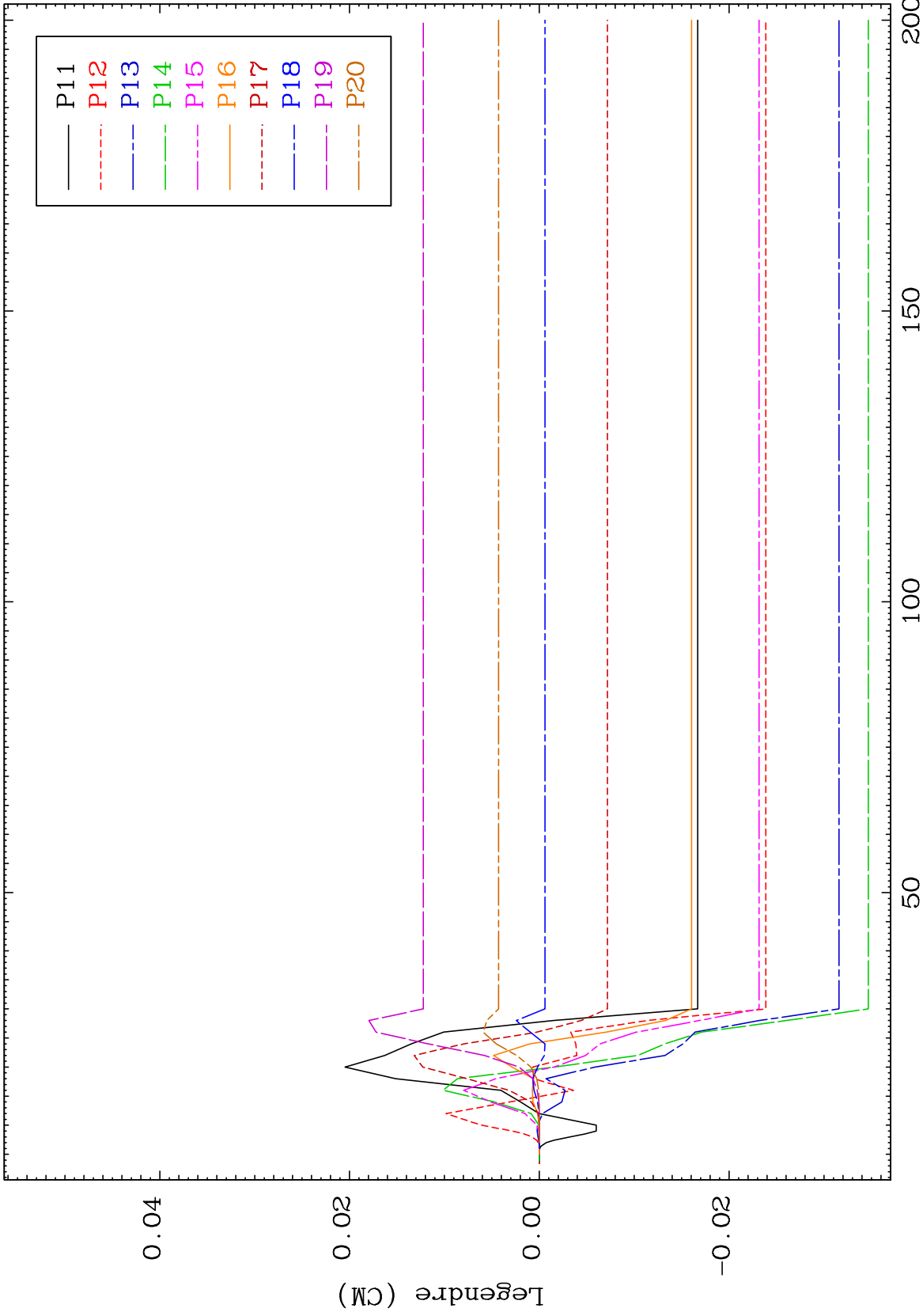
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205



90

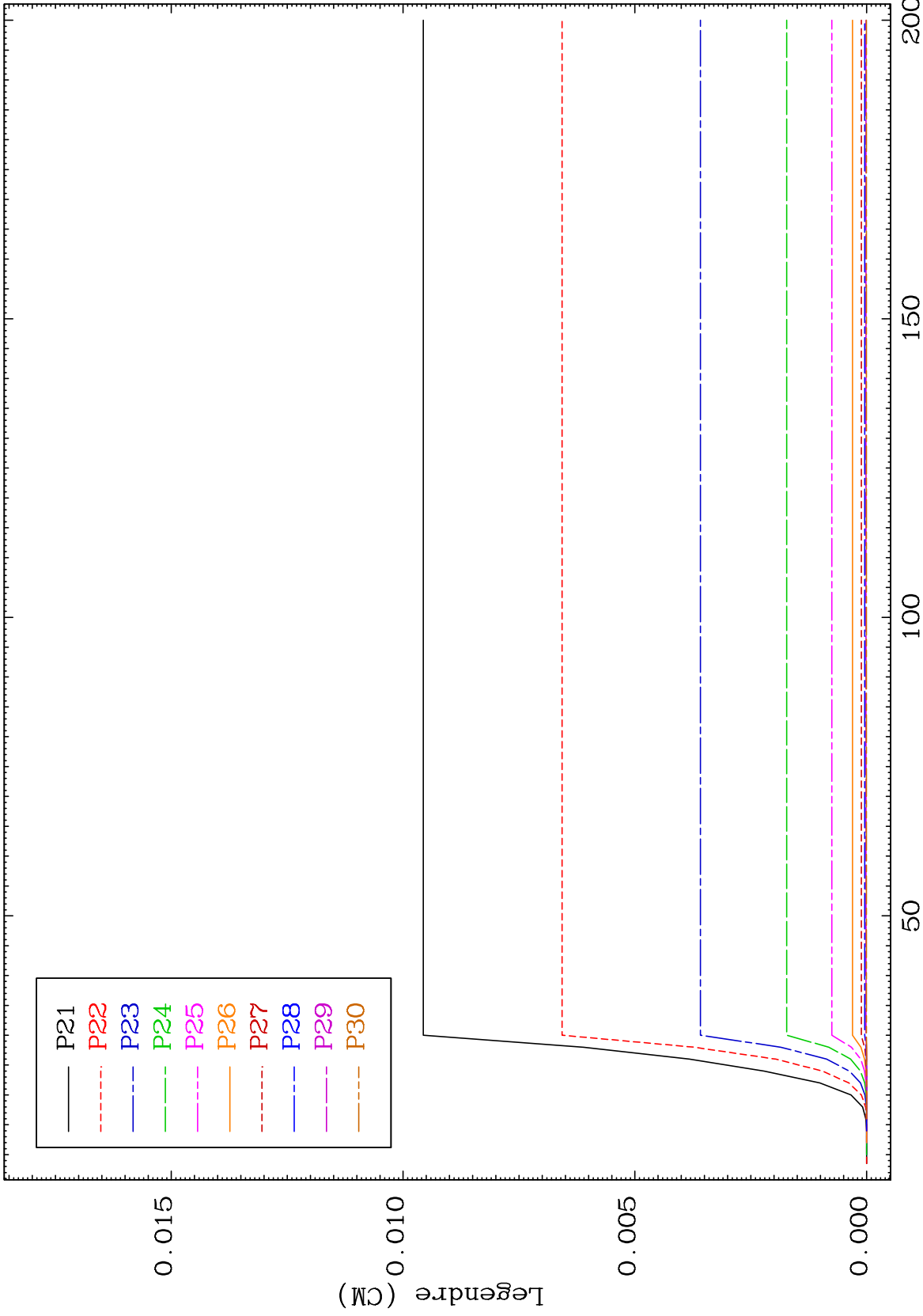
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

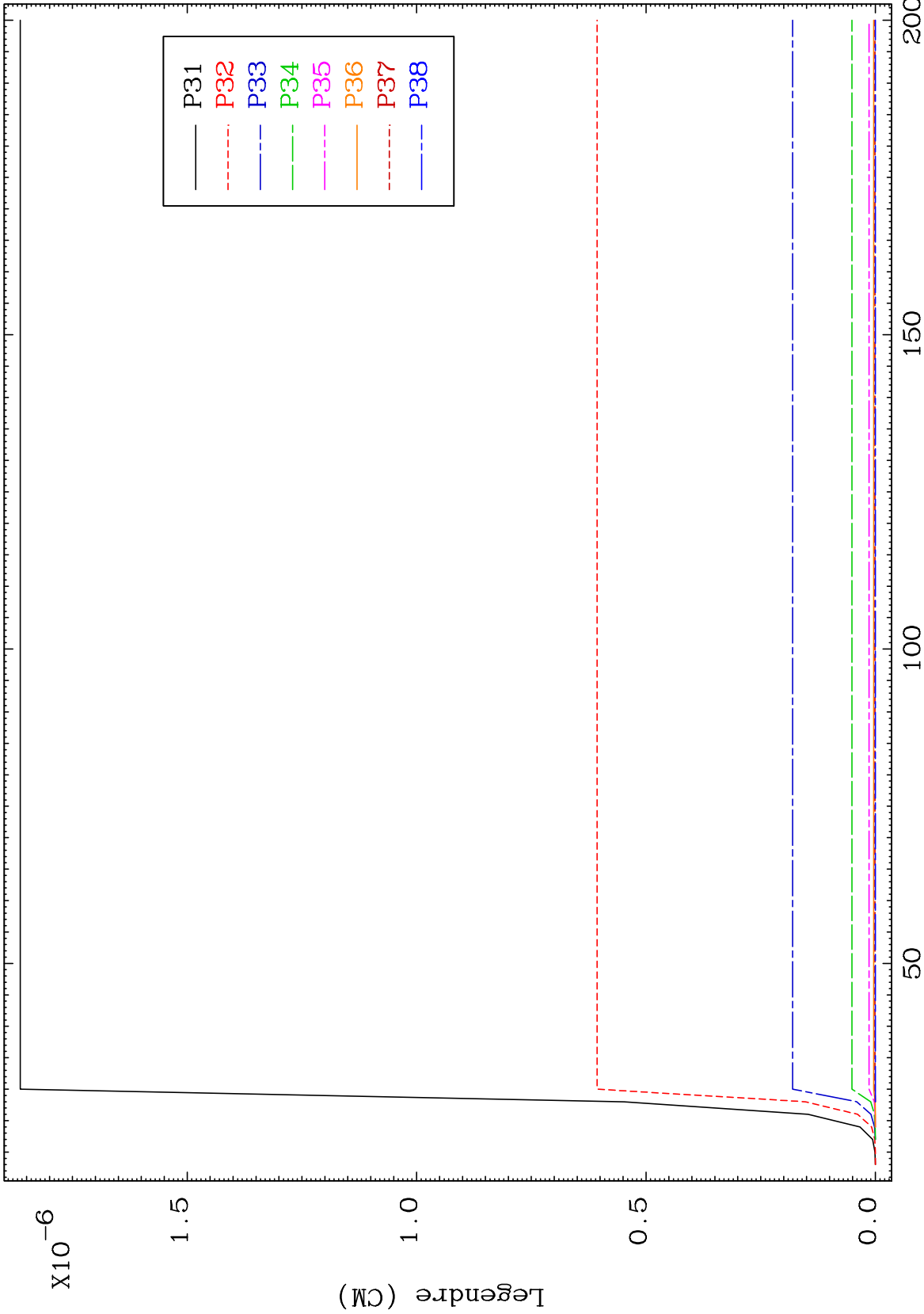
80-Hg-205



MAT 8052

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

80-Hg-205



92

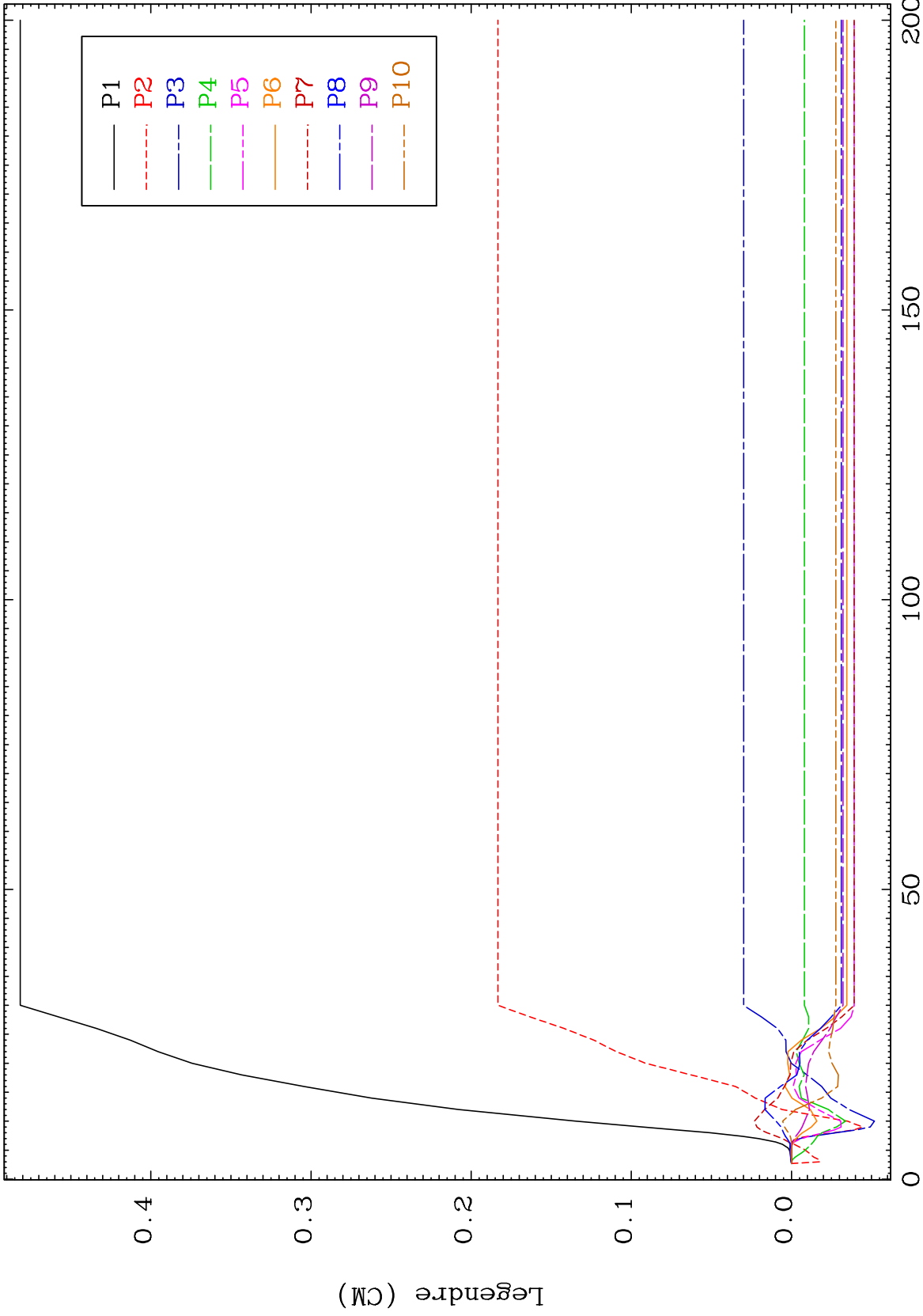
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205



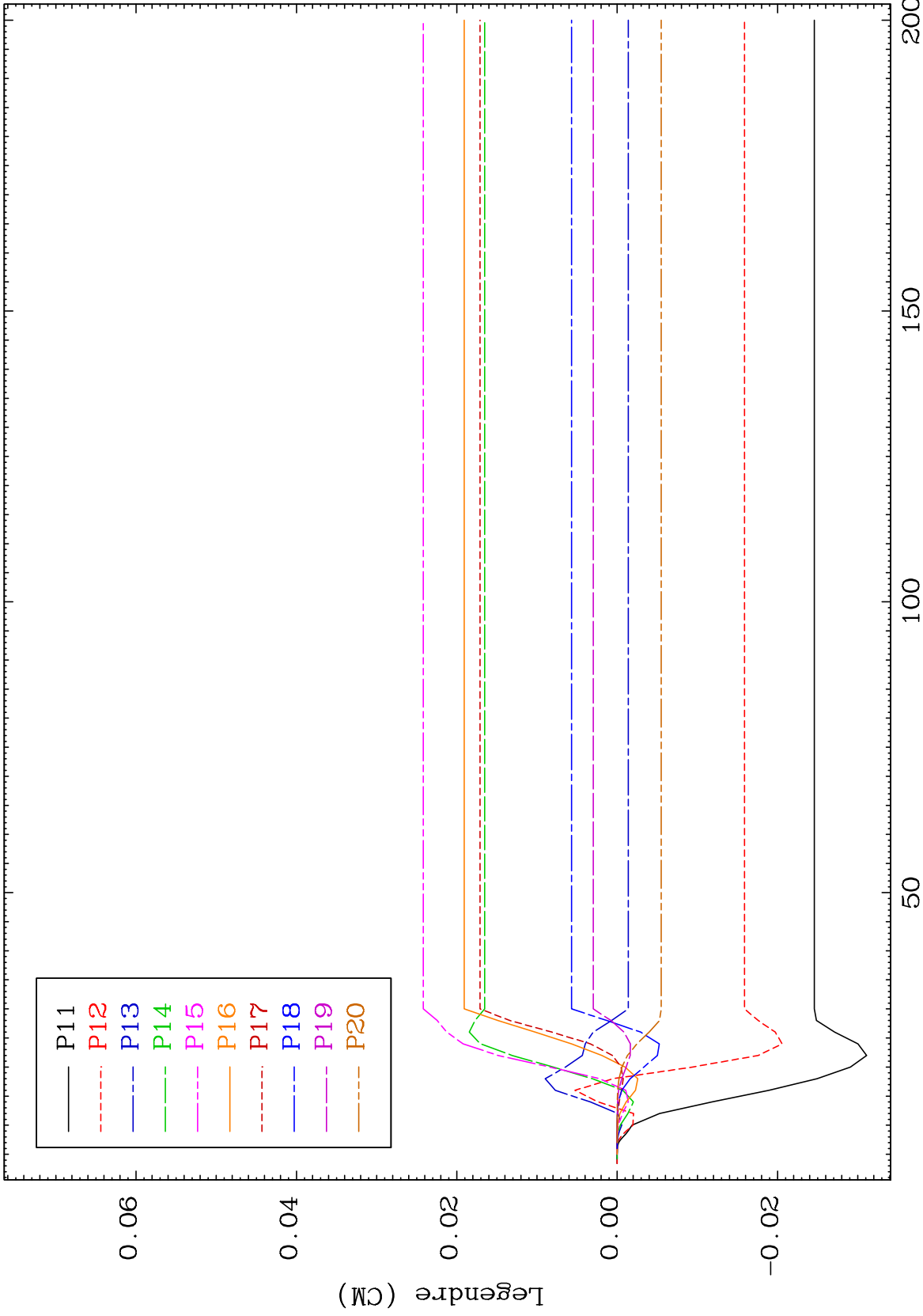
93

80-Hg-205

MAT 8052

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

80-Hg-205



94

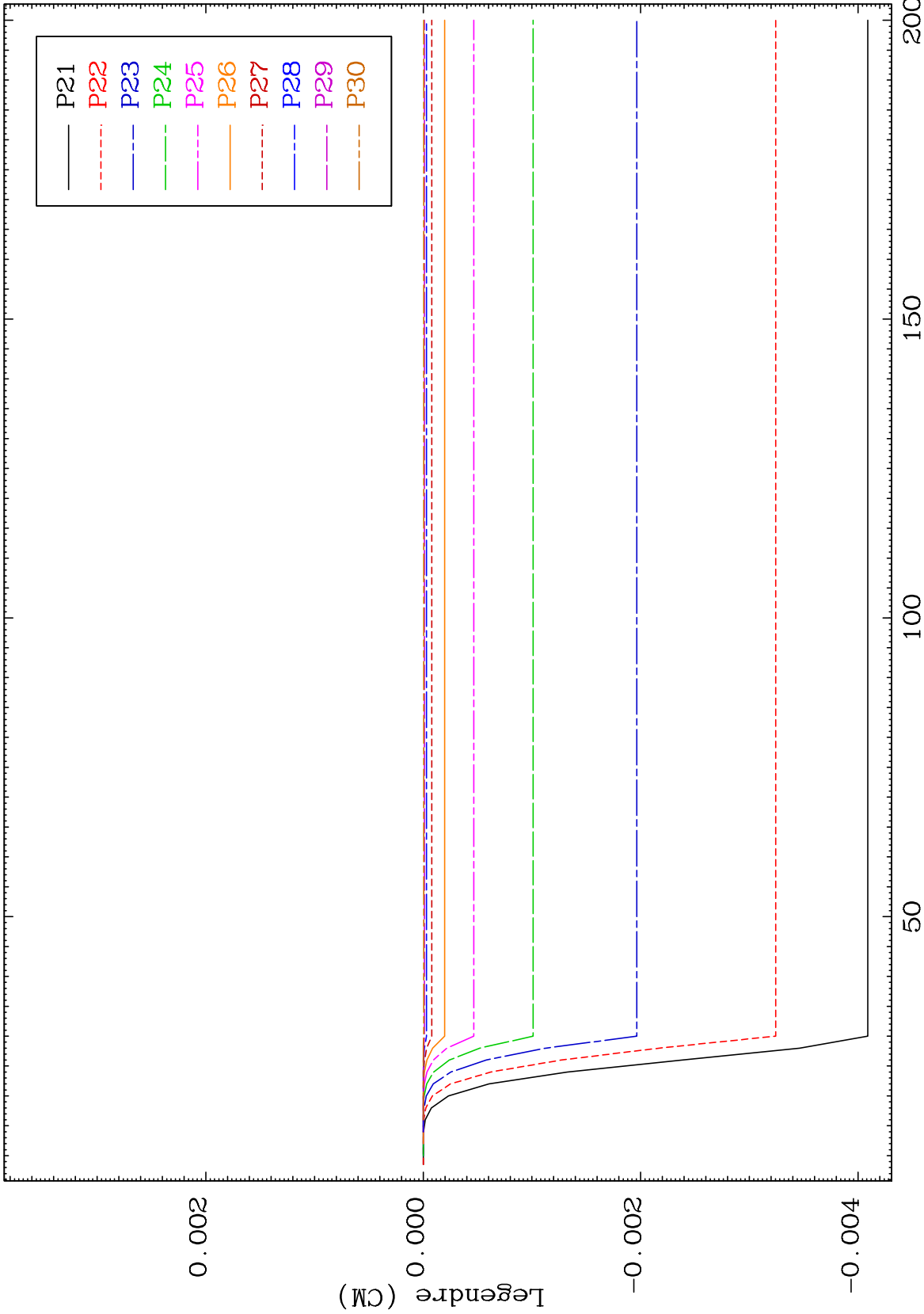
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

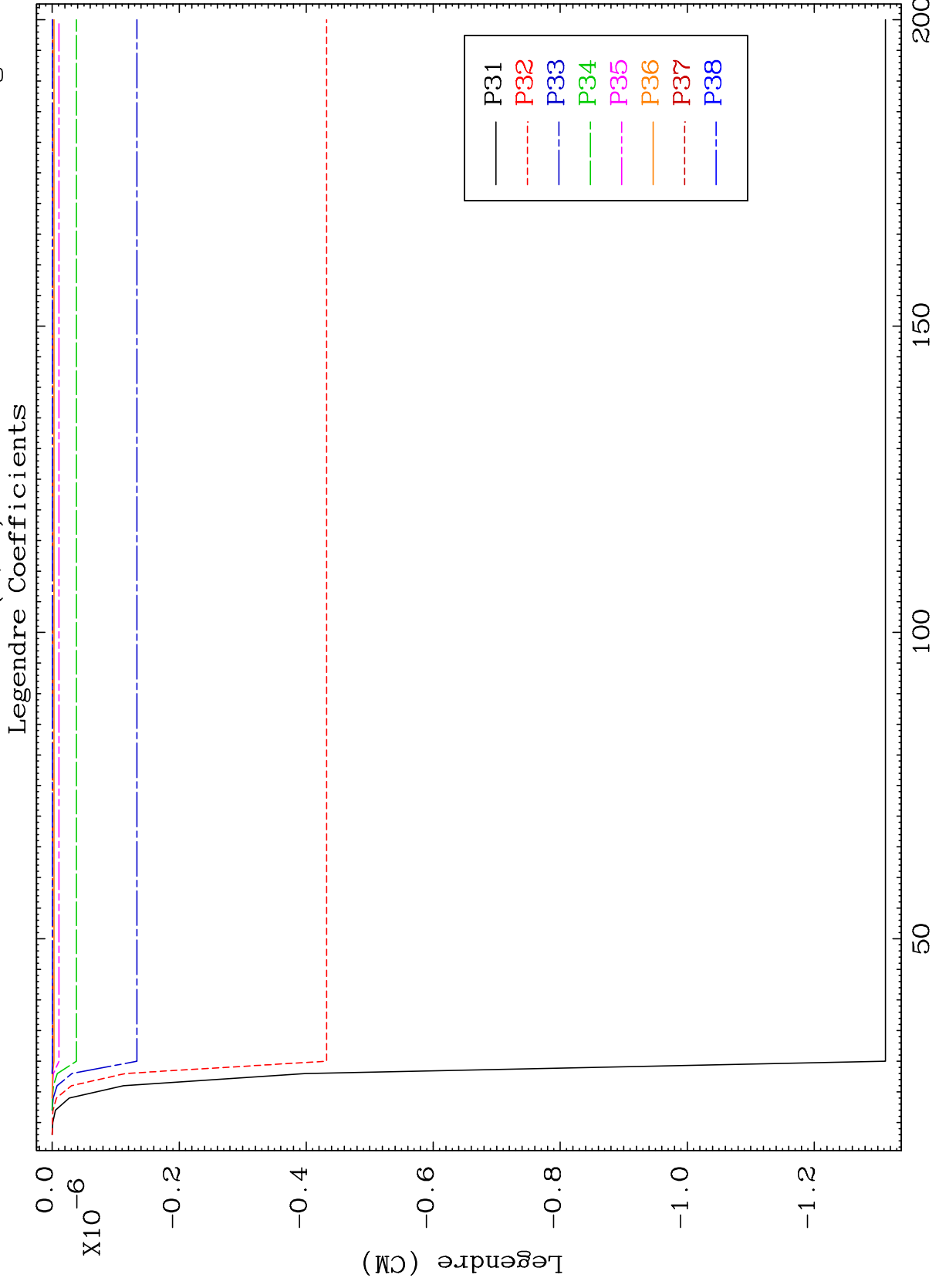
80-Hg-205



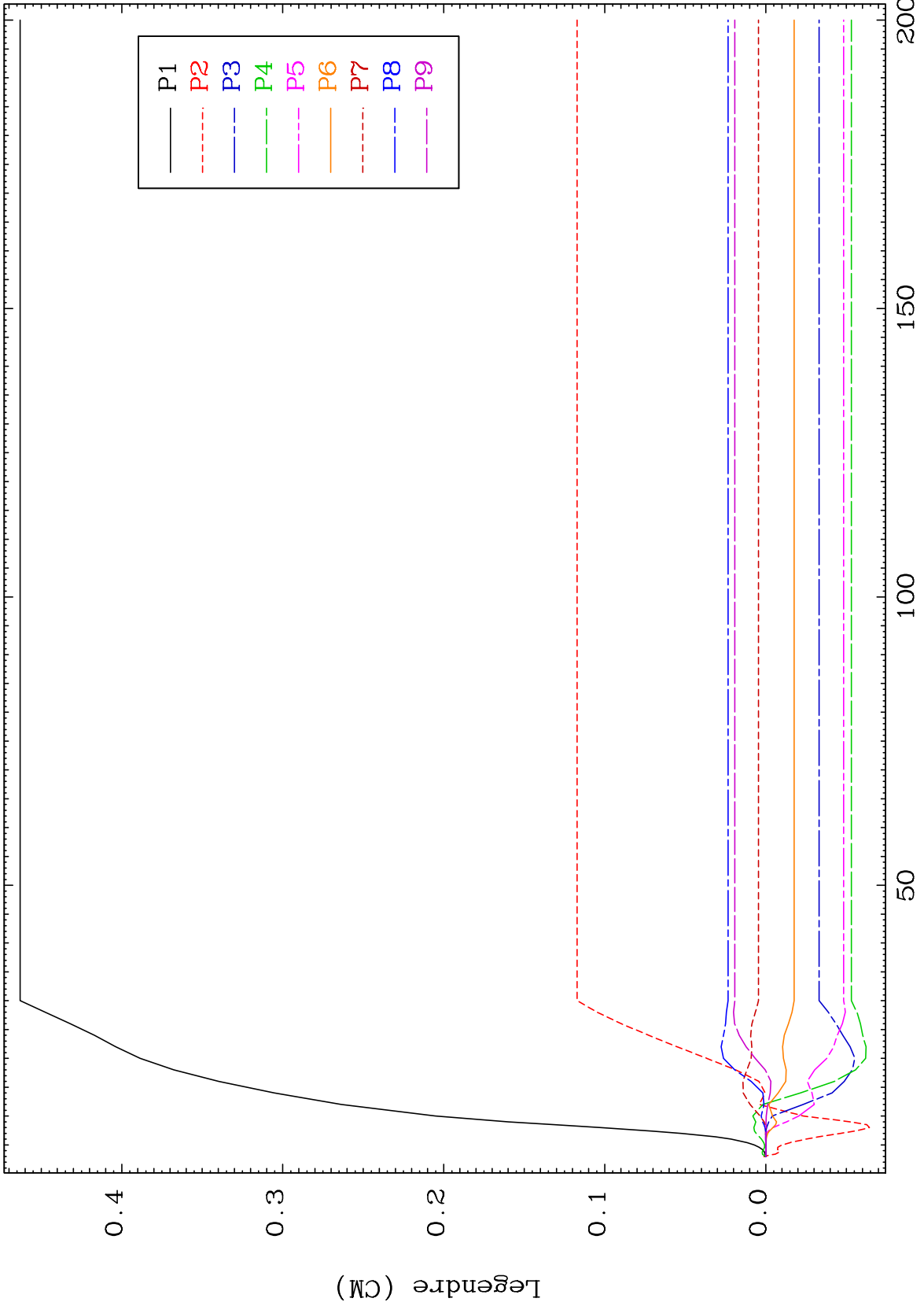
95

Incident Energy (MeV)

80-Hg-205



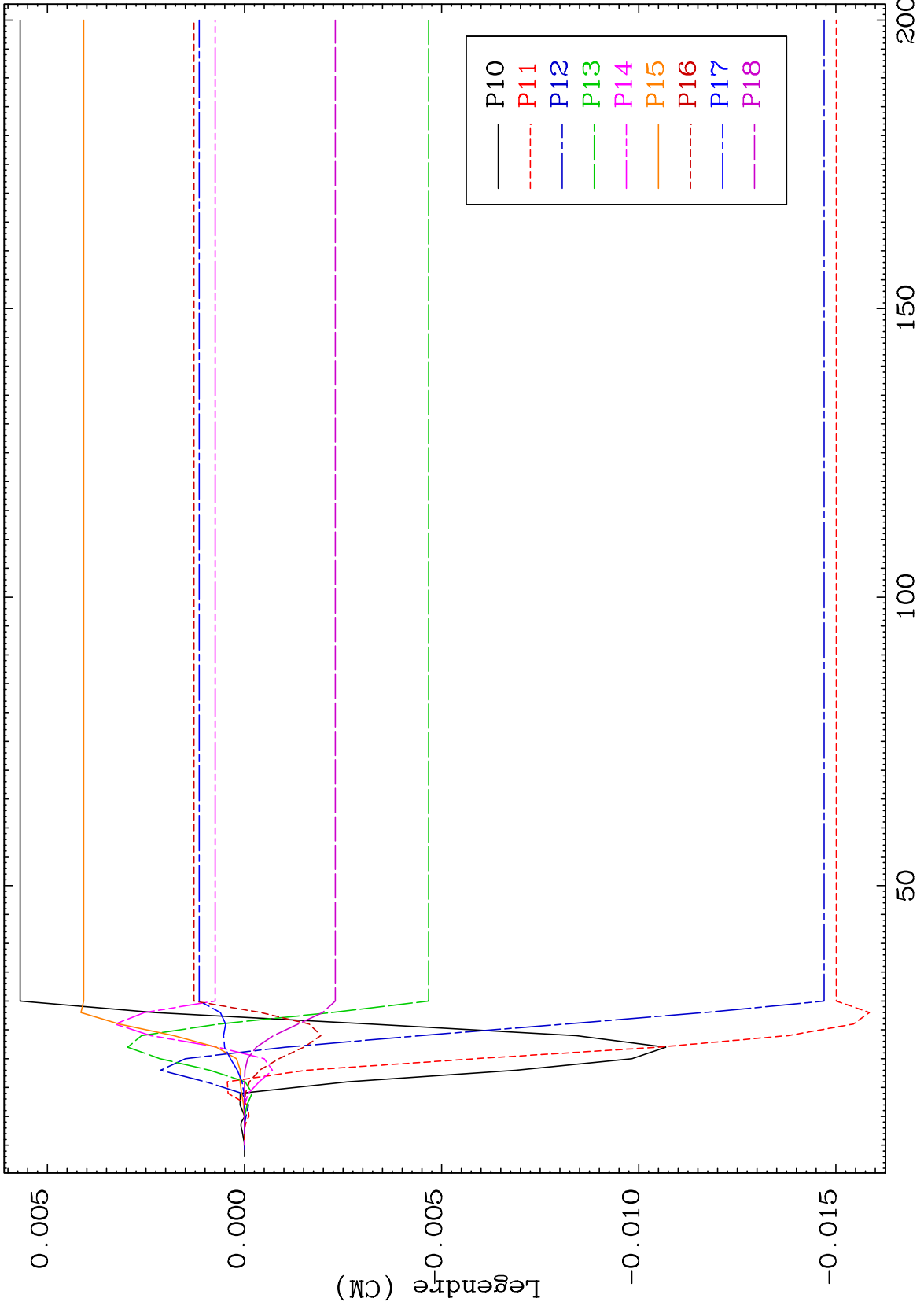
MAT 8052 MT= 71 (n,n') Level Legendre Coefficients 80-Hg-205



MAT 8052

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

80-Hg-205



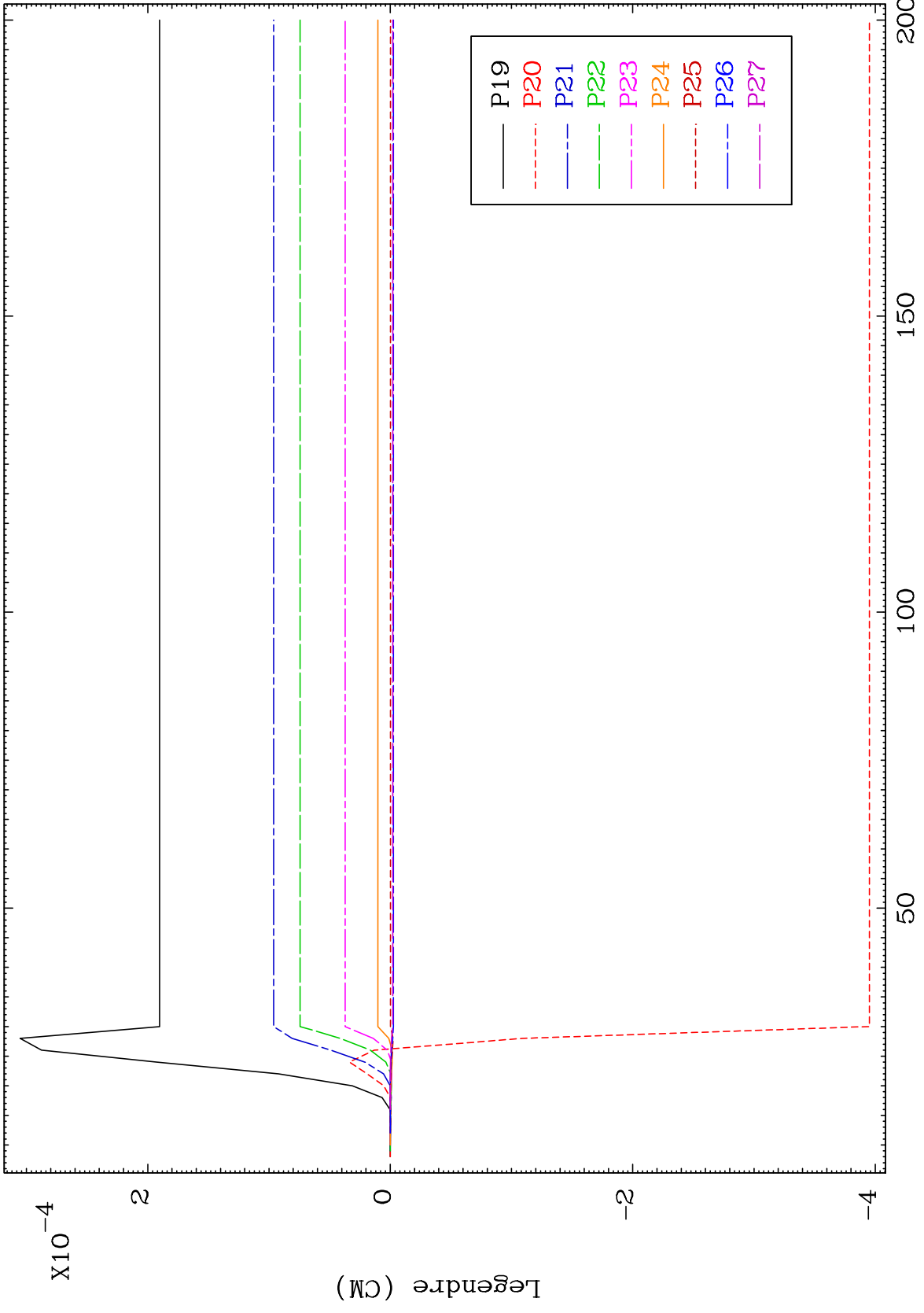
98

80-Hg-205

MAT 8052

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

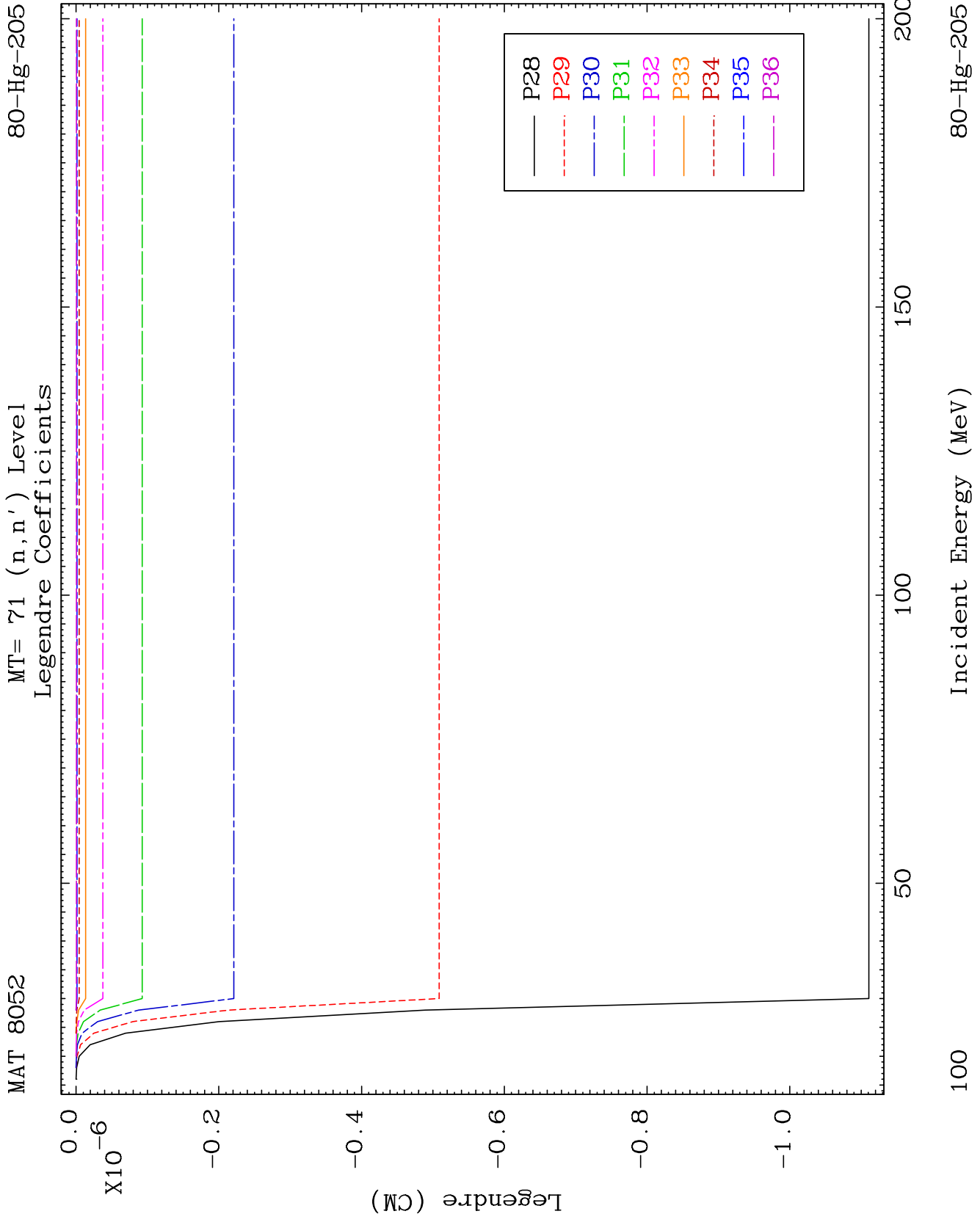
80-Hg-205



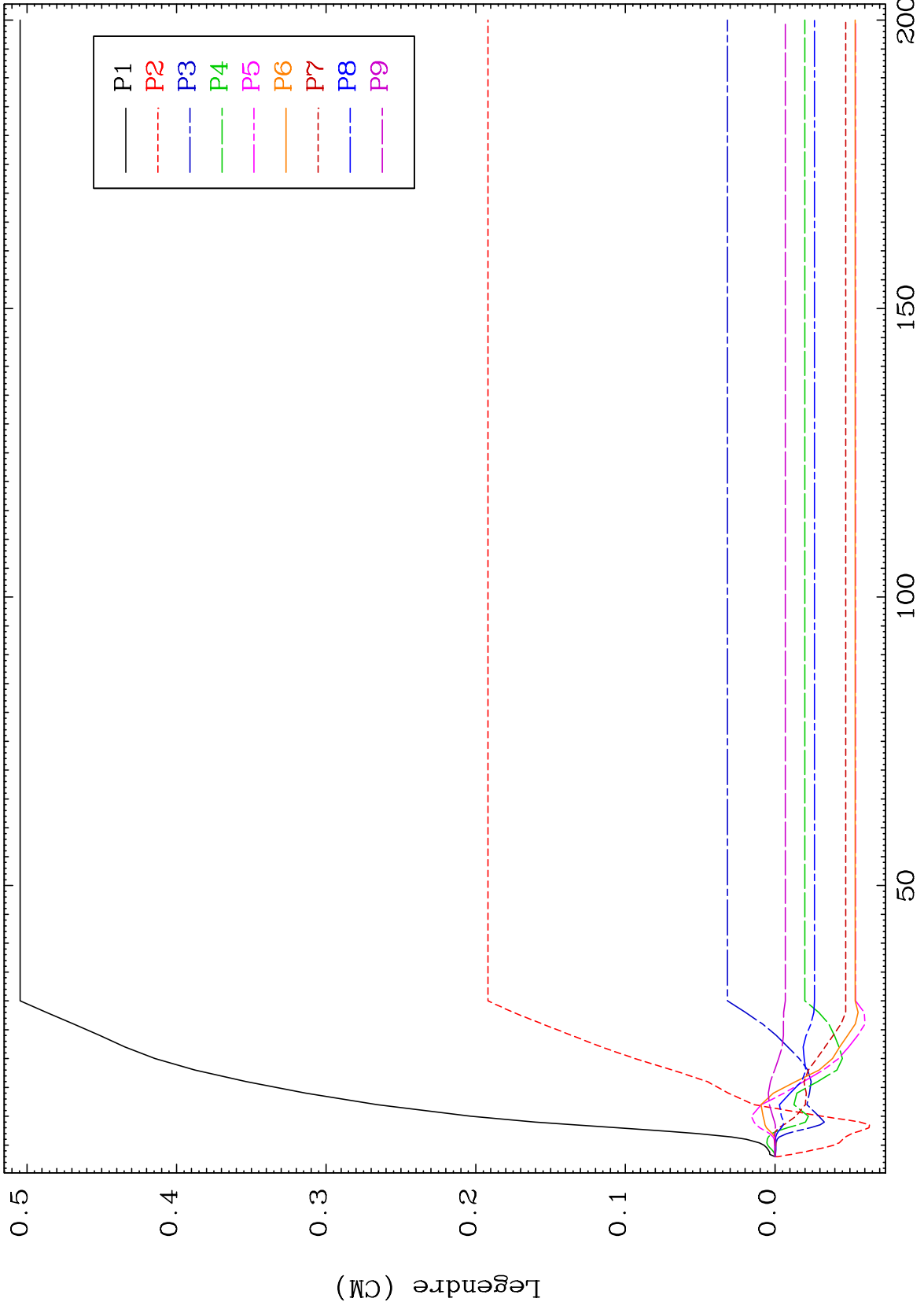
99

Incident Energy (MeV)

80-Hg-205



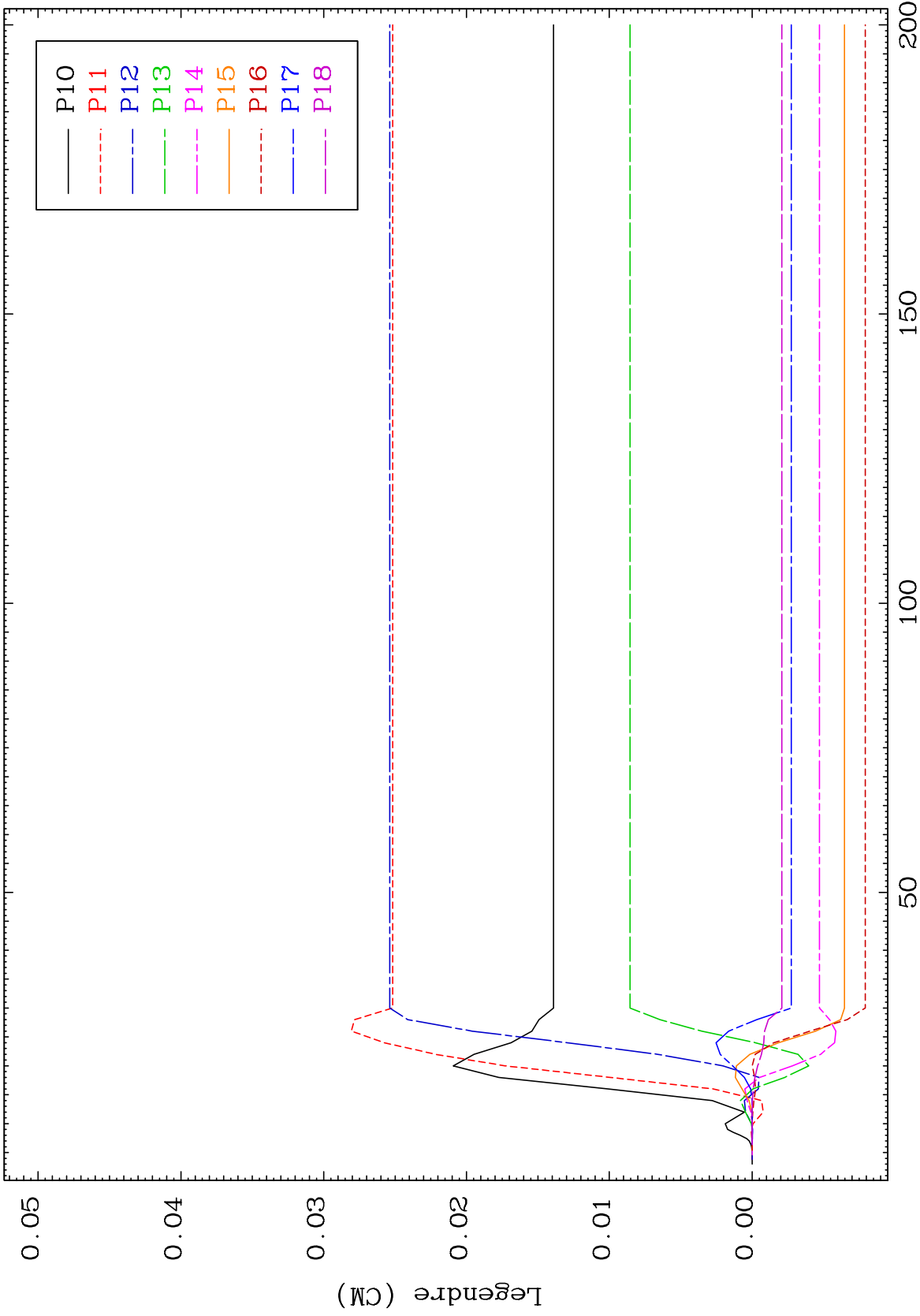
MAT 8052 MT= 72 (n,n') Level Legendre Coefficients 80-Hg-205



MAT 8052

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

80-Hg-205



102

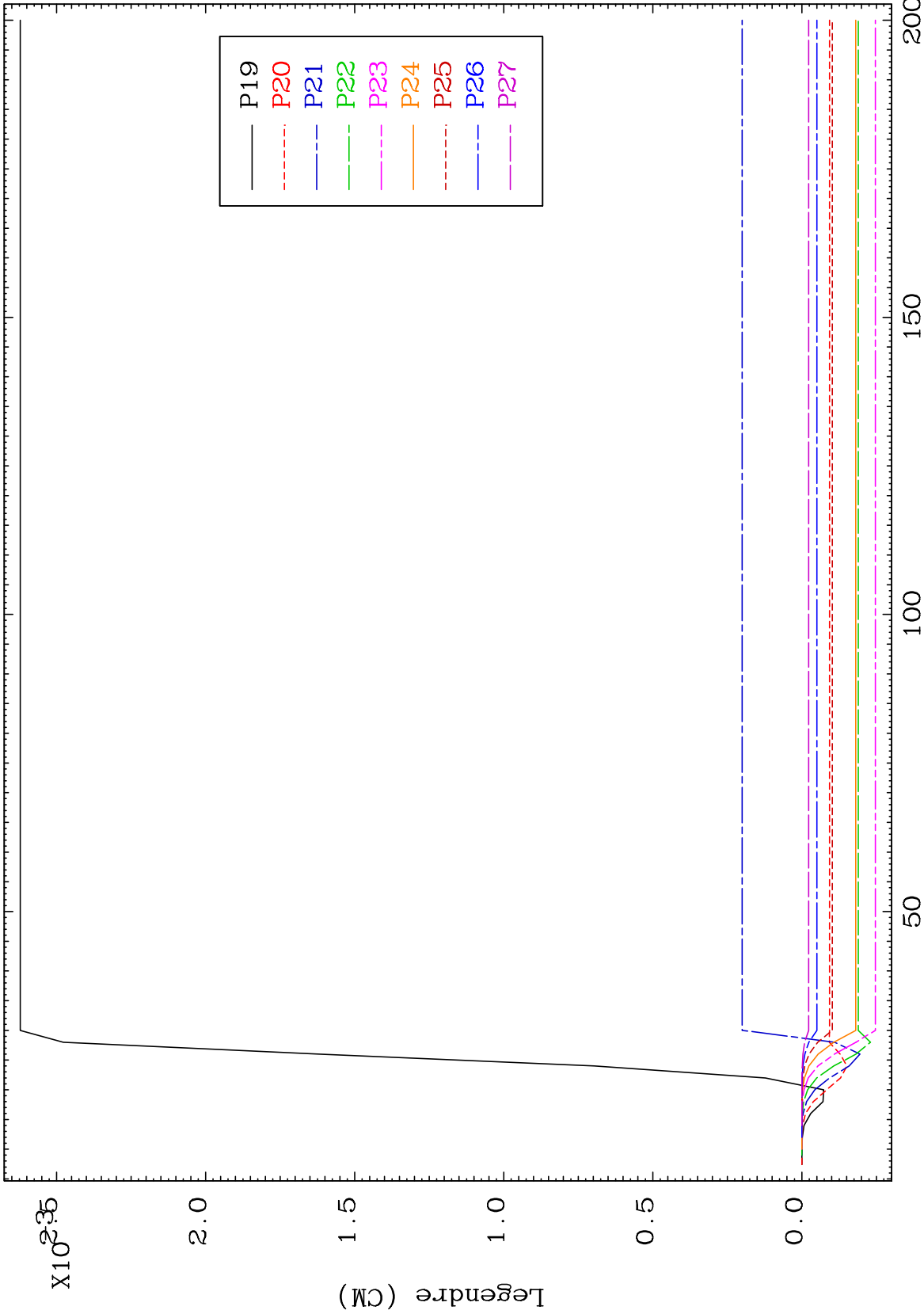
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205



103

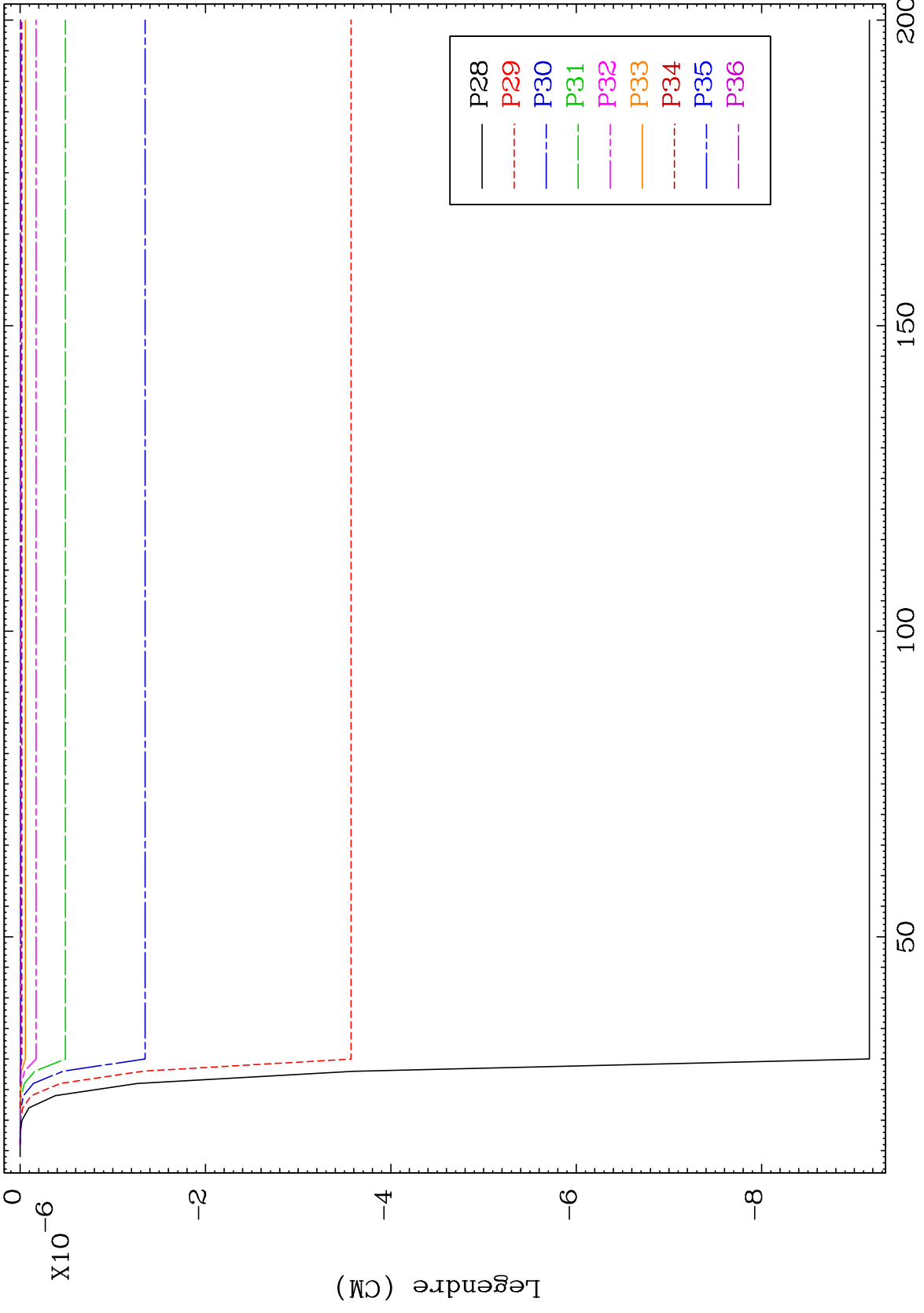
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205



80-Hg-205

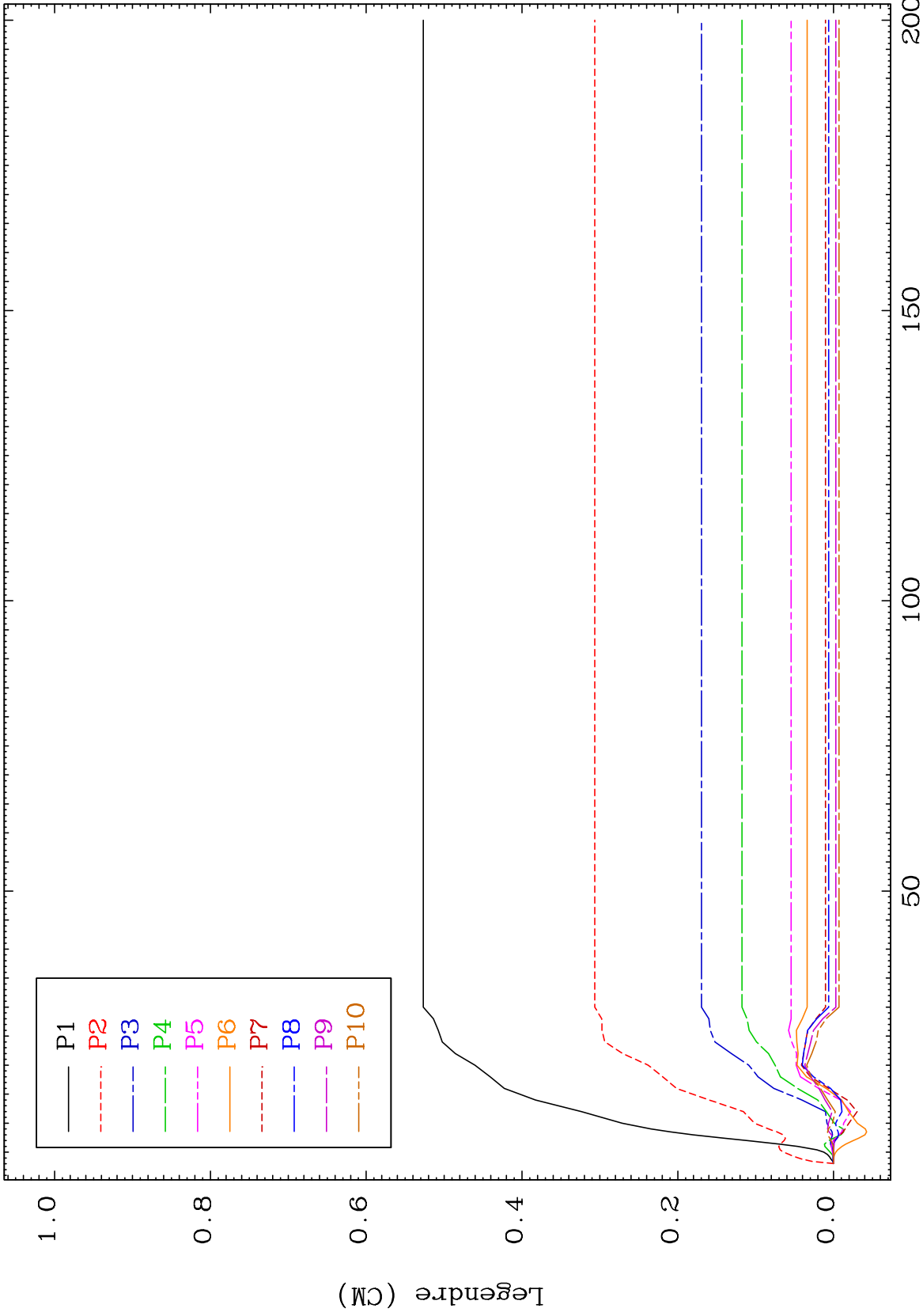
Incident Energy (MeV)

104

MAT 8052

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

80-Hg-205



105

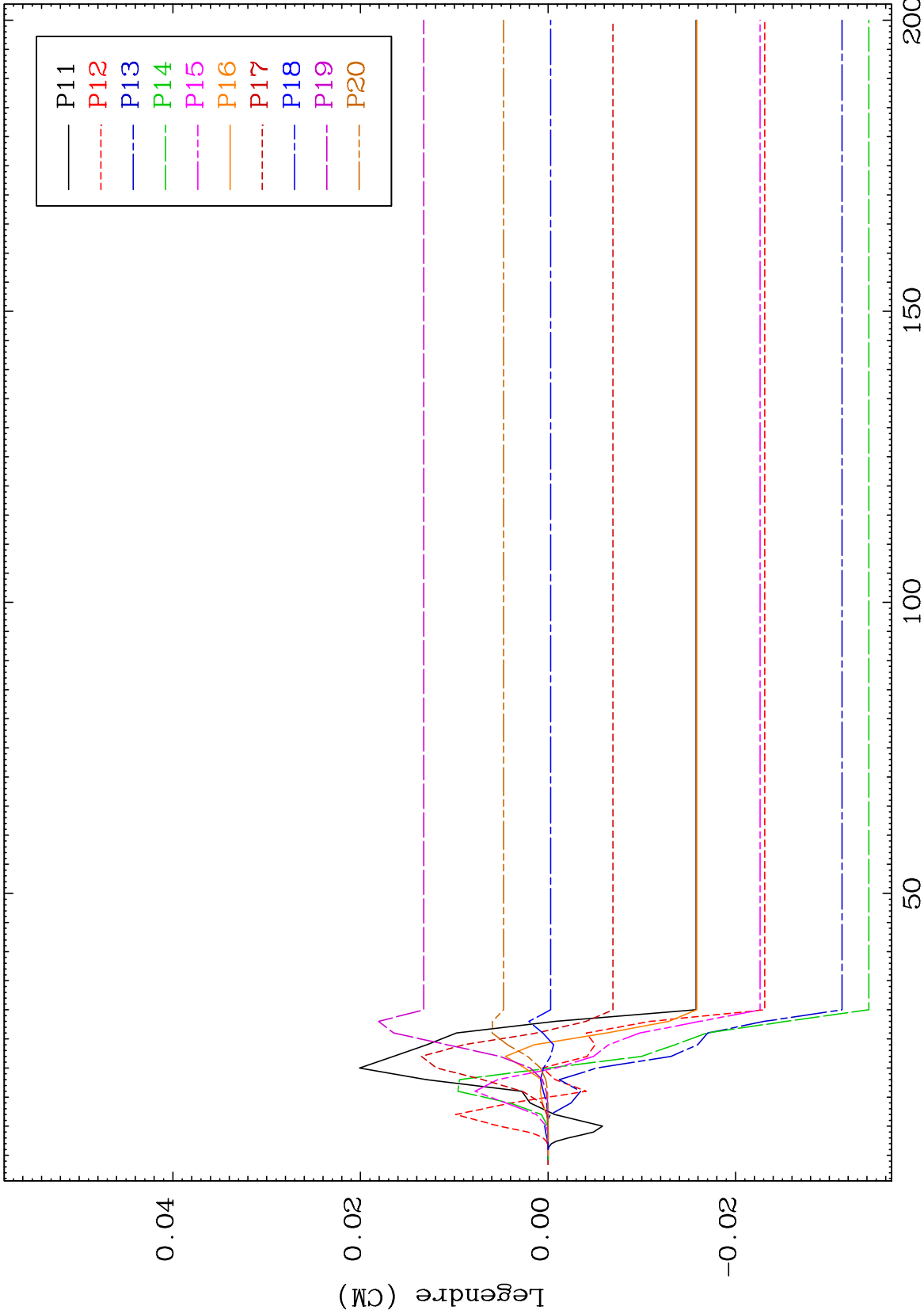
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205



106

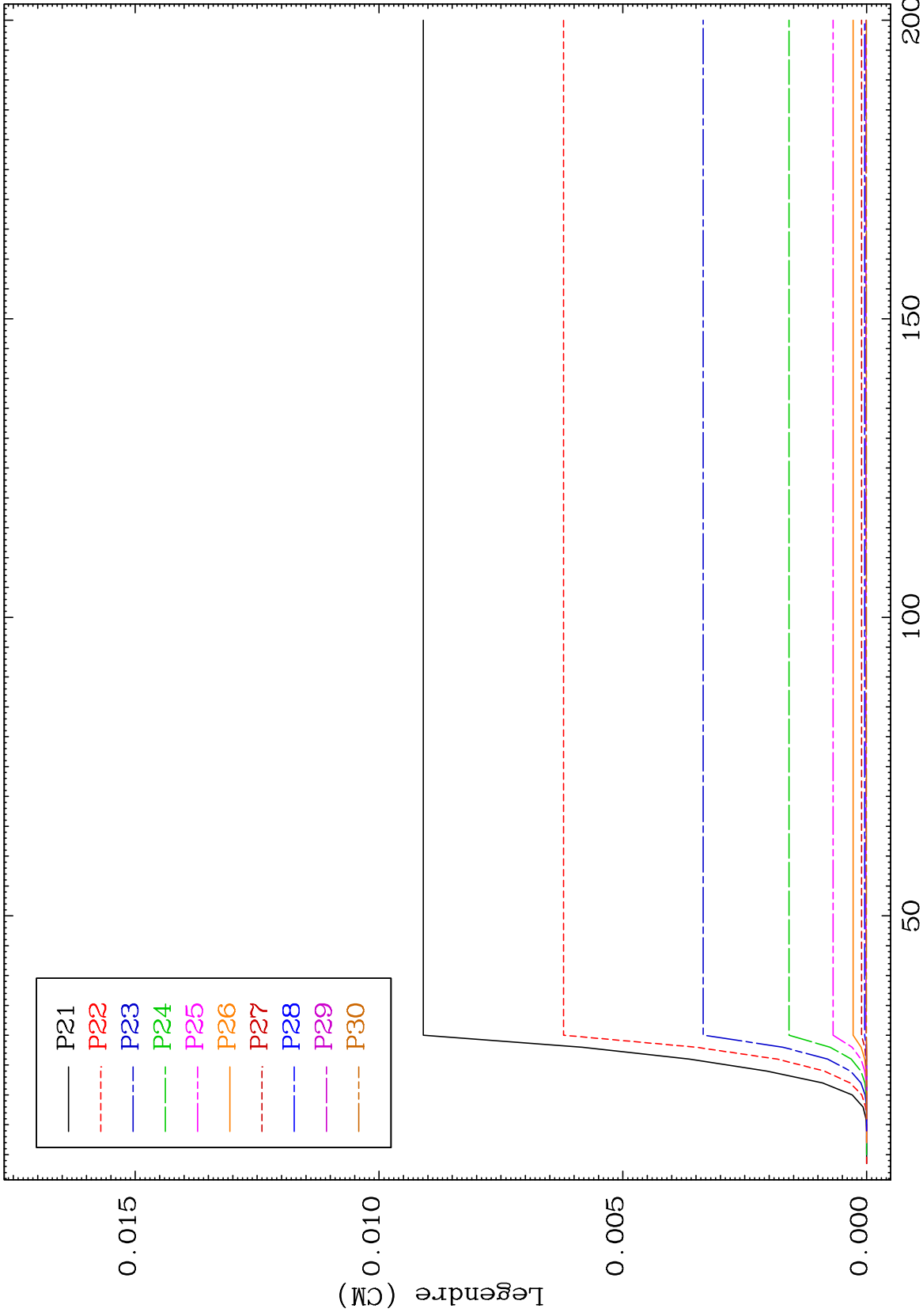
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205



107

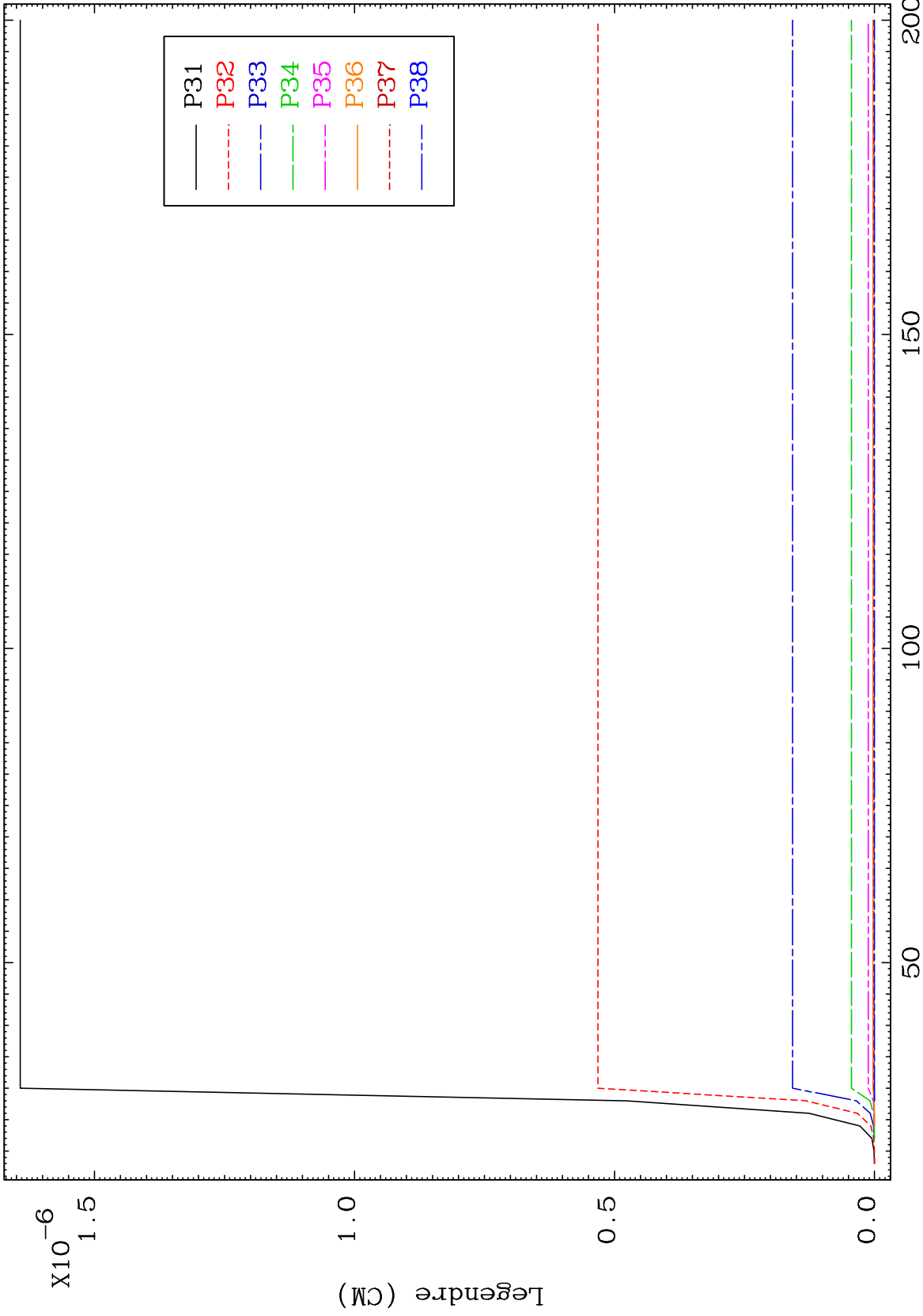
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

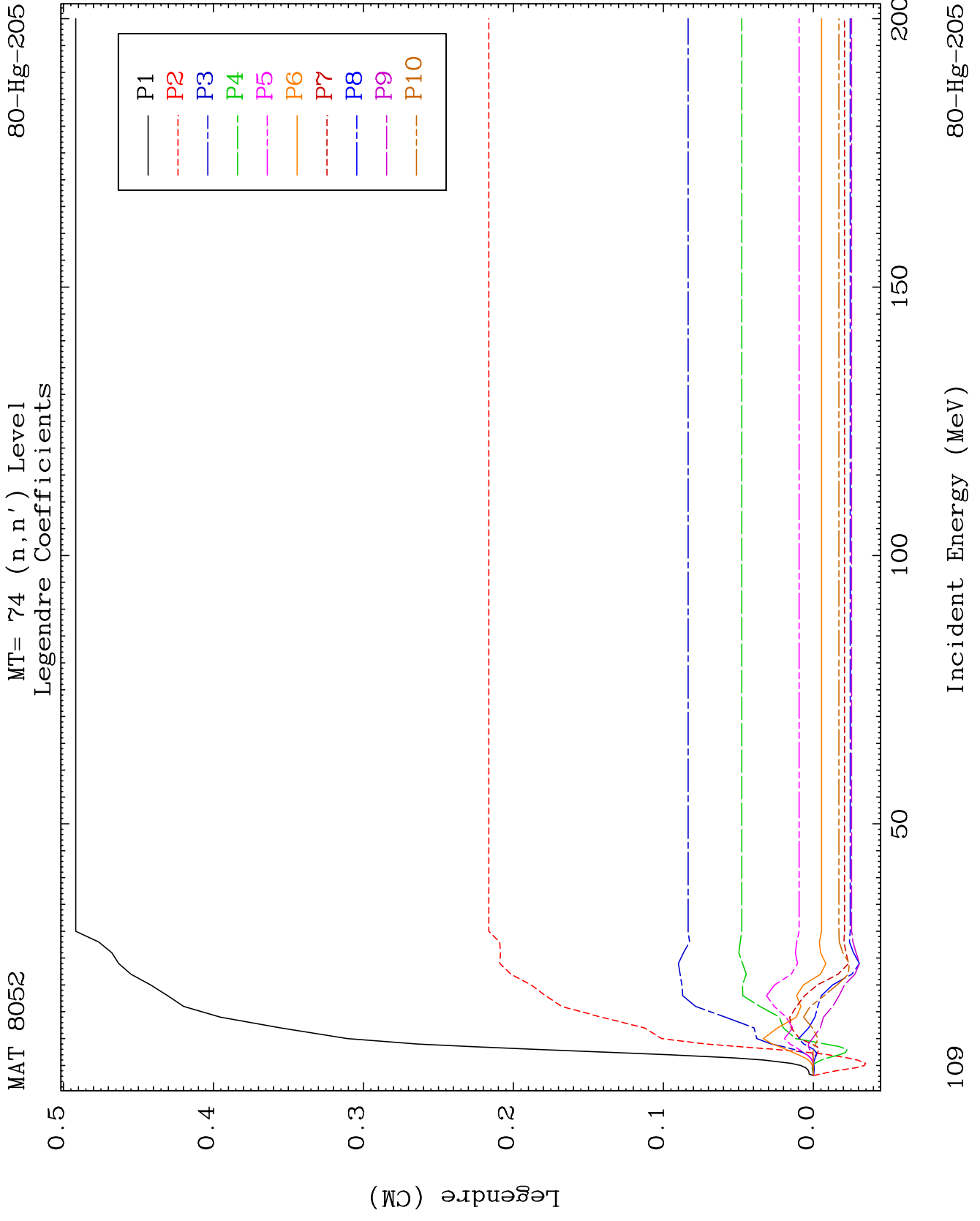
80-Hg-205



108

Incident Energy (MeV)

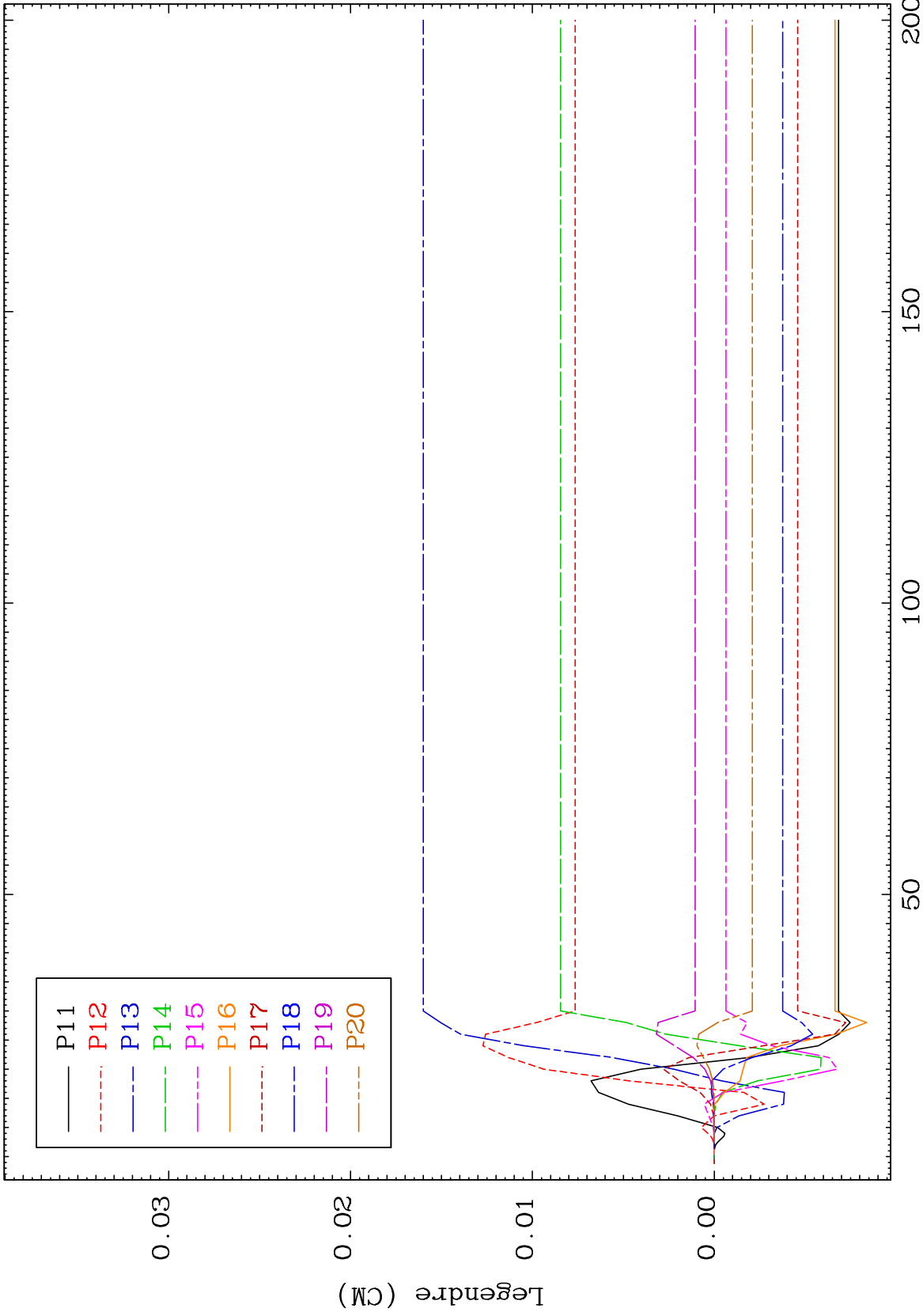
80-Hg-205



MAT 8052

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

80-Hg-205



110

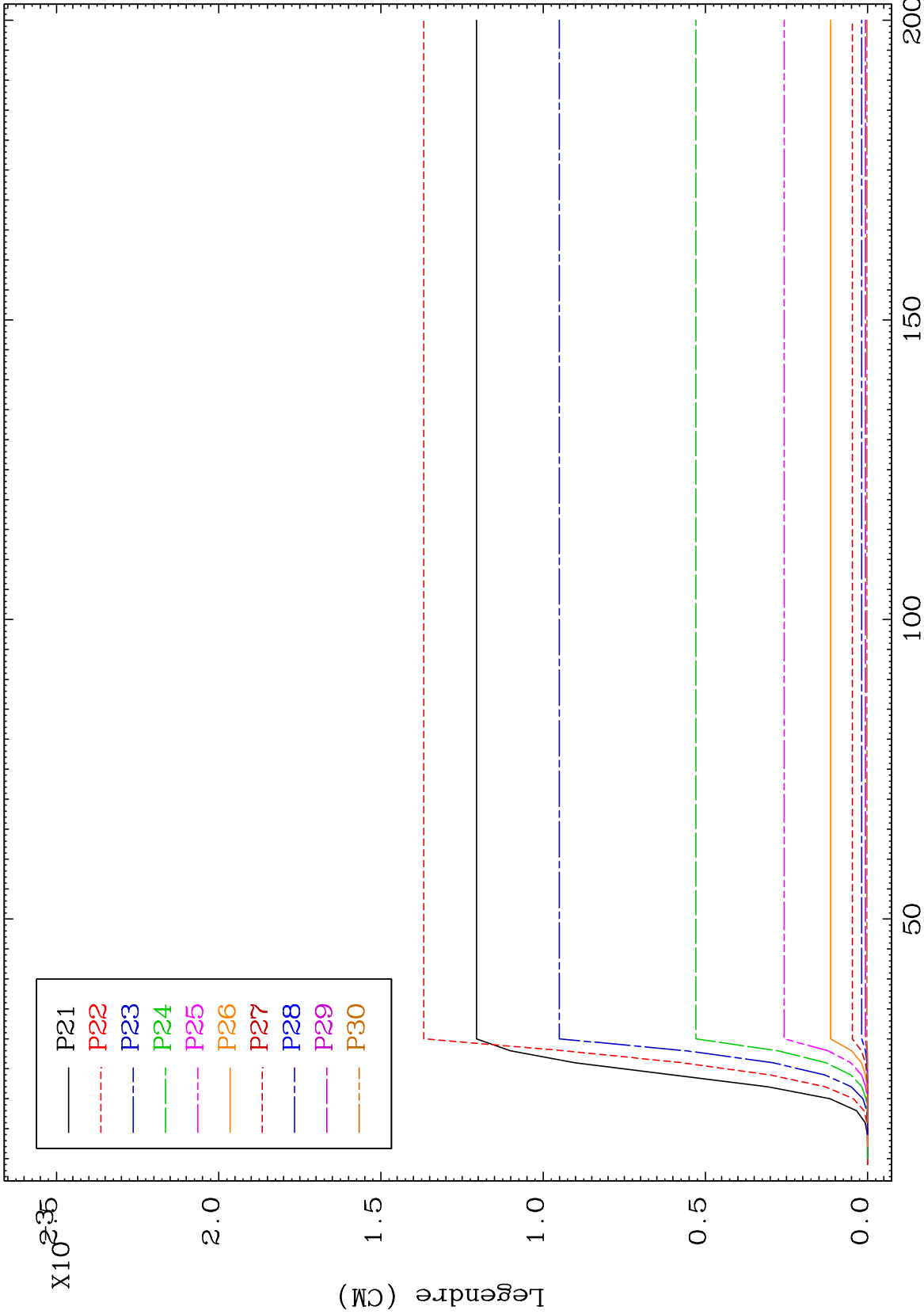
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205



111

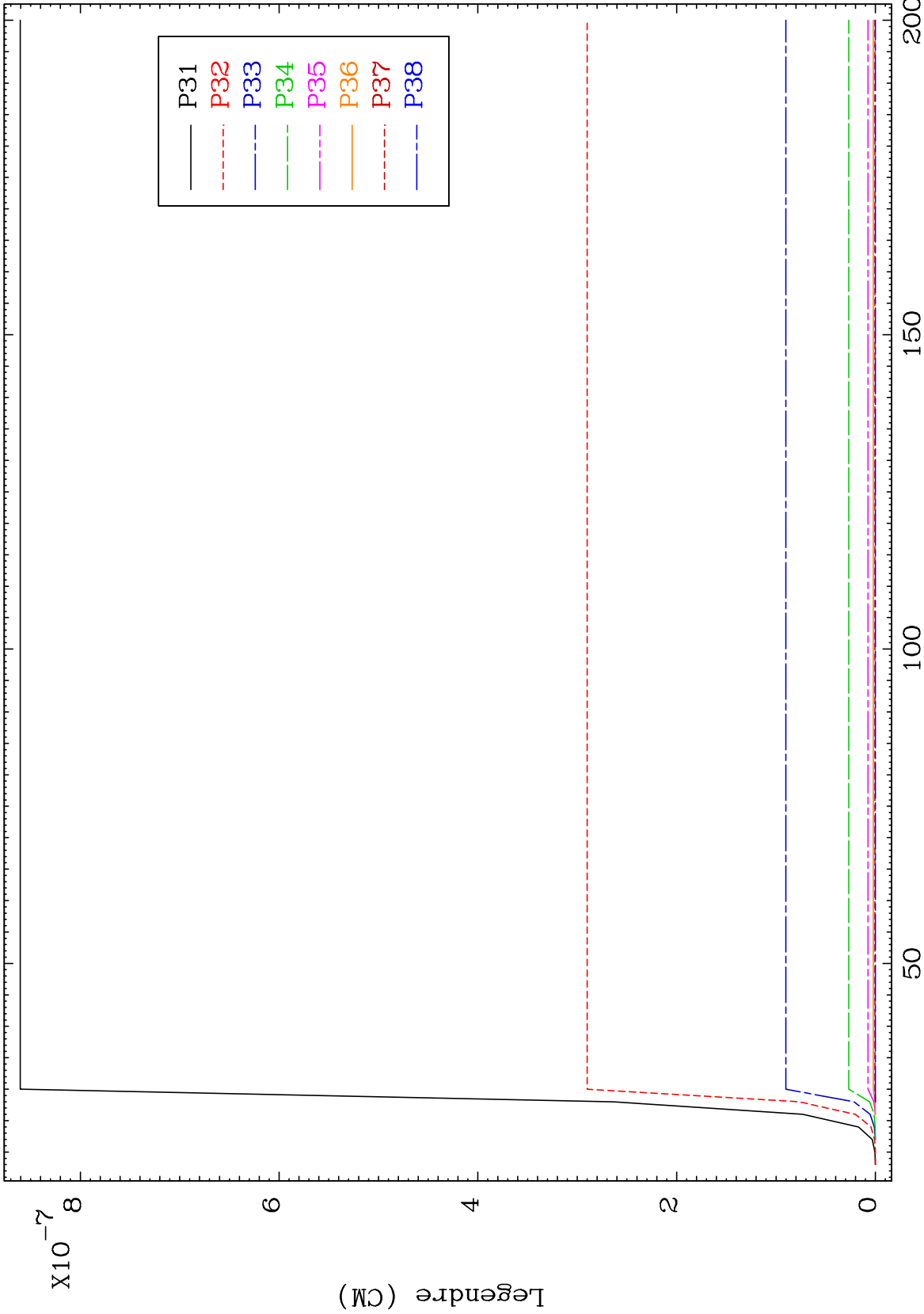
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205



112

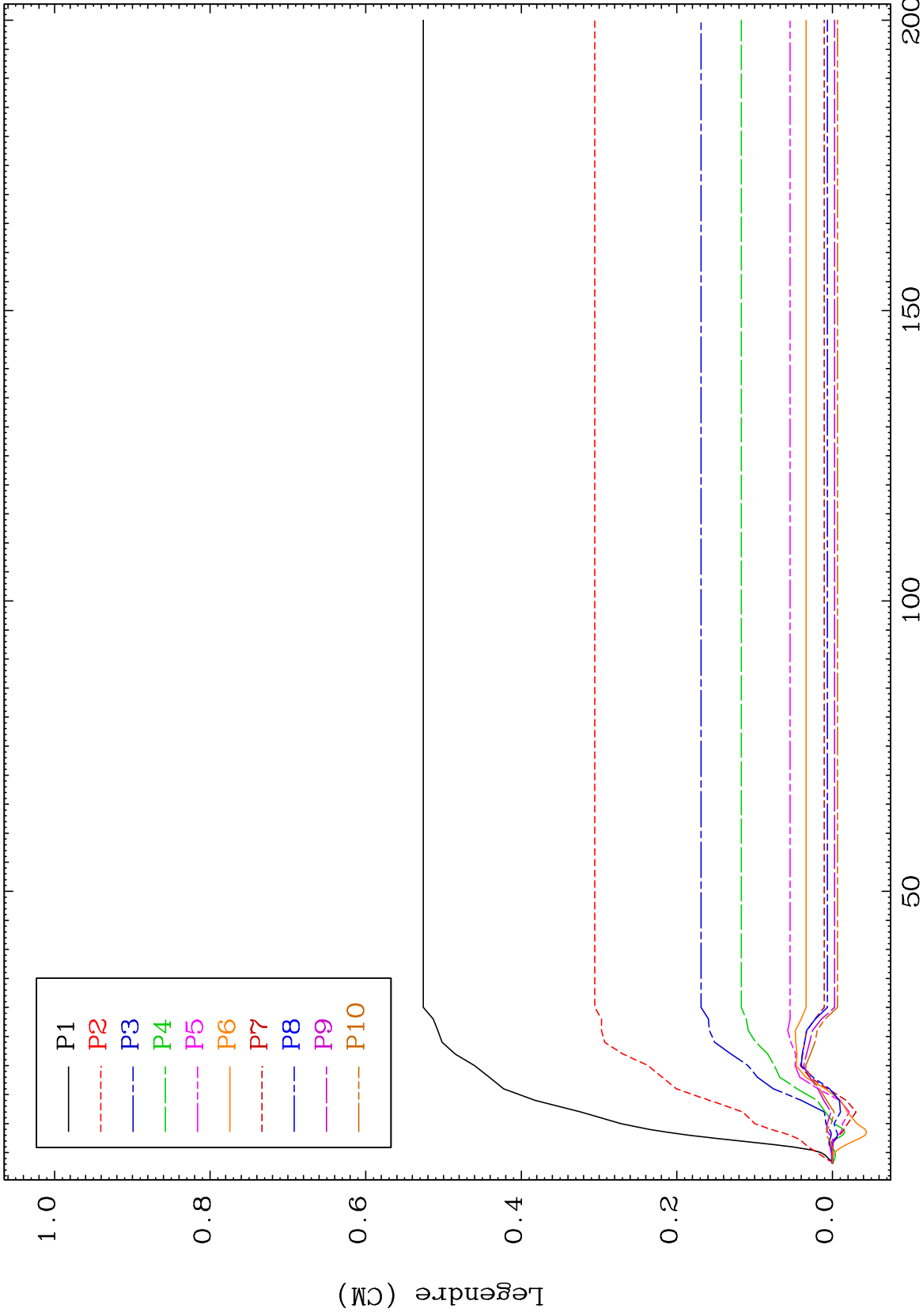
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205



113

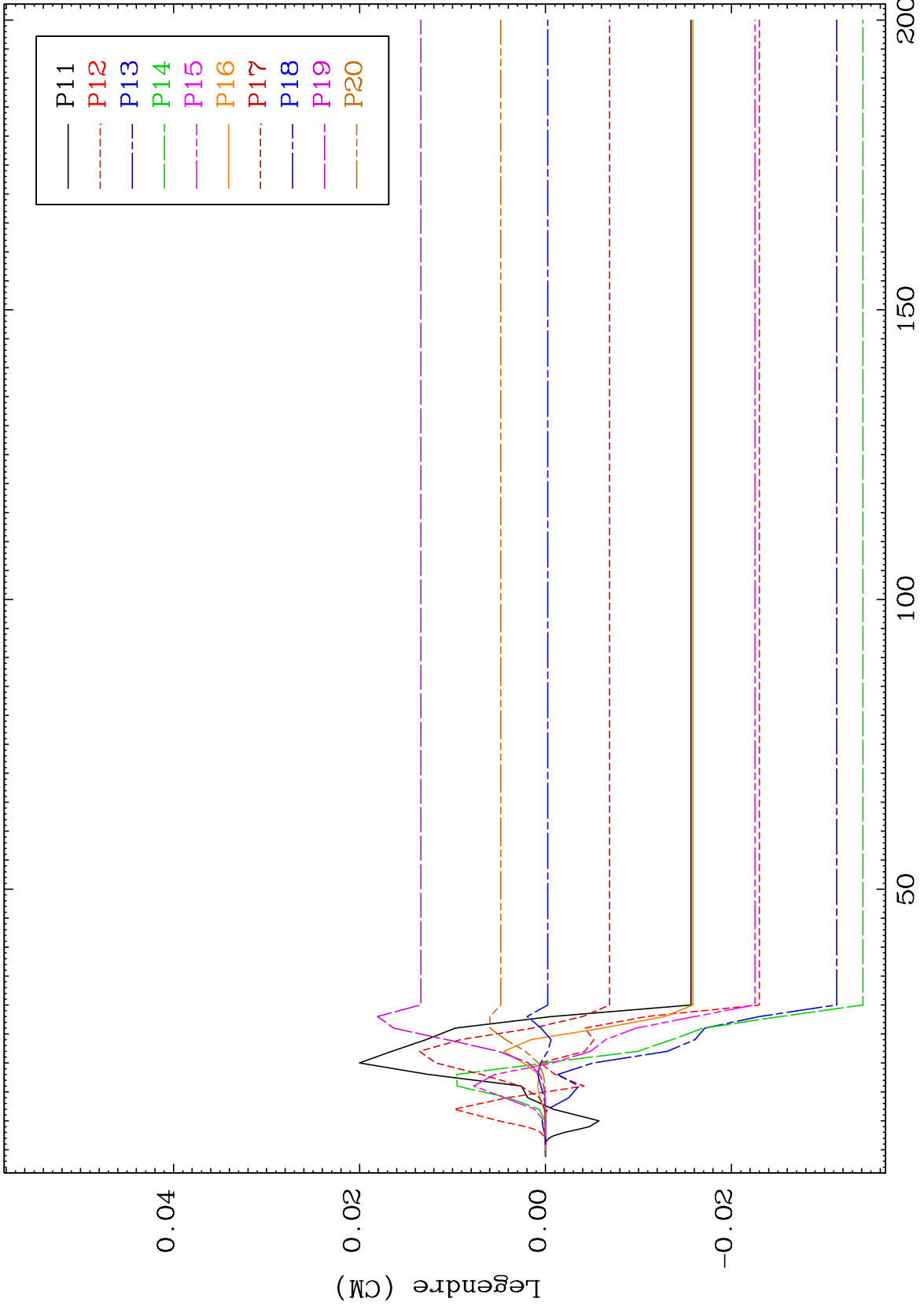
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205



114

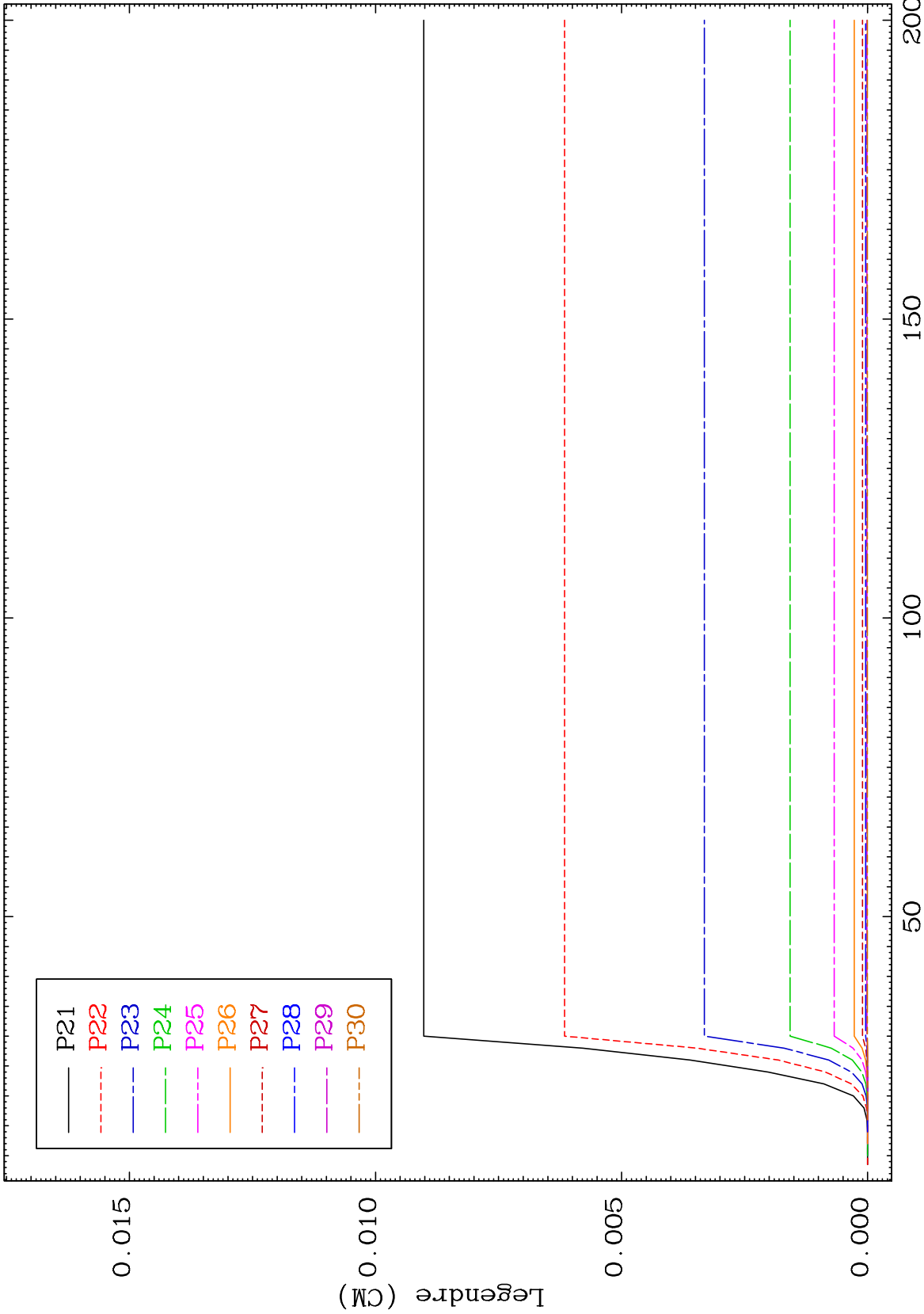
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205



115

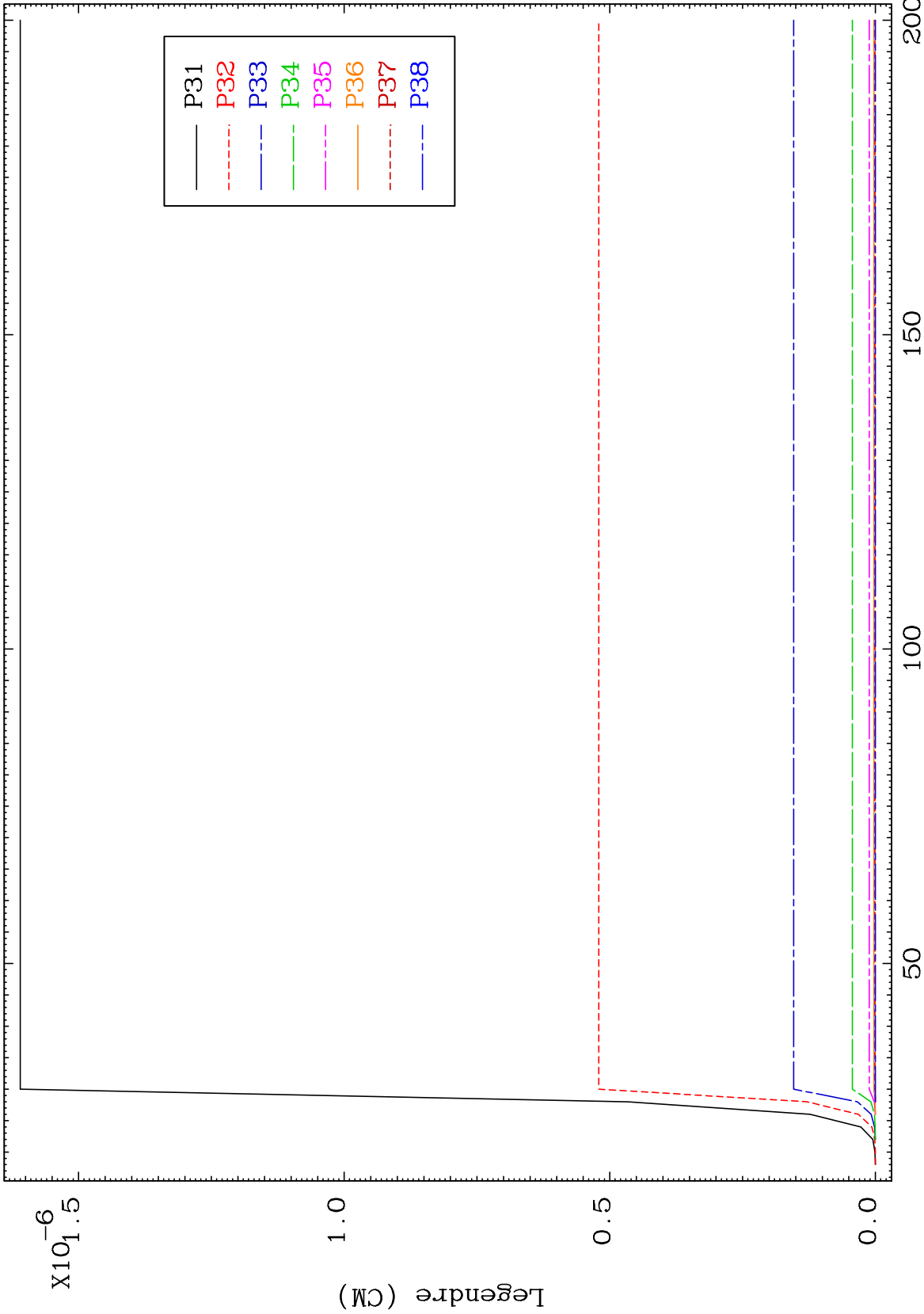
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

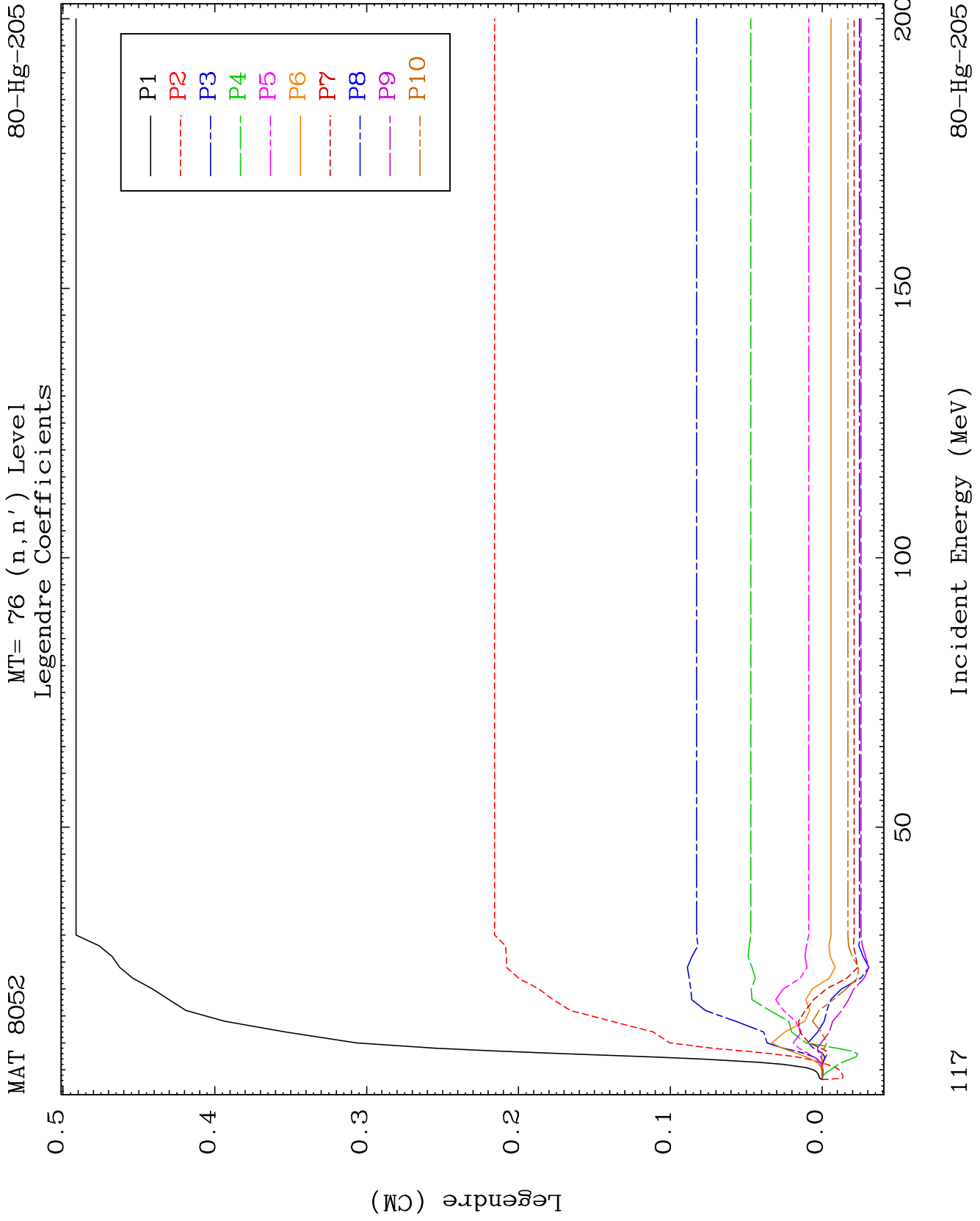
80-Hg-205



116

Incident Energy (MeV)

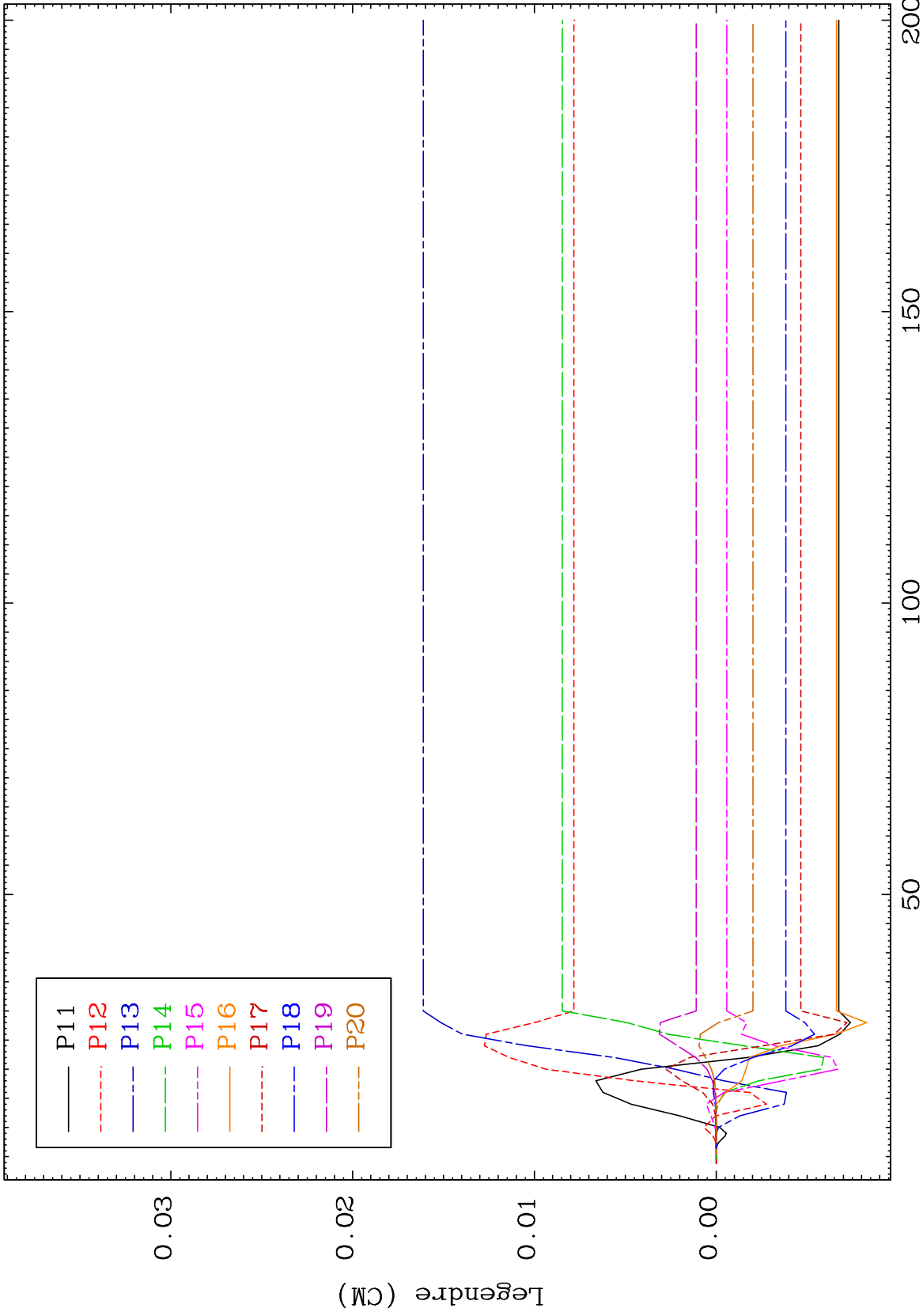
80-Hg-205



MAT 8052

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

80-Hg-205



118

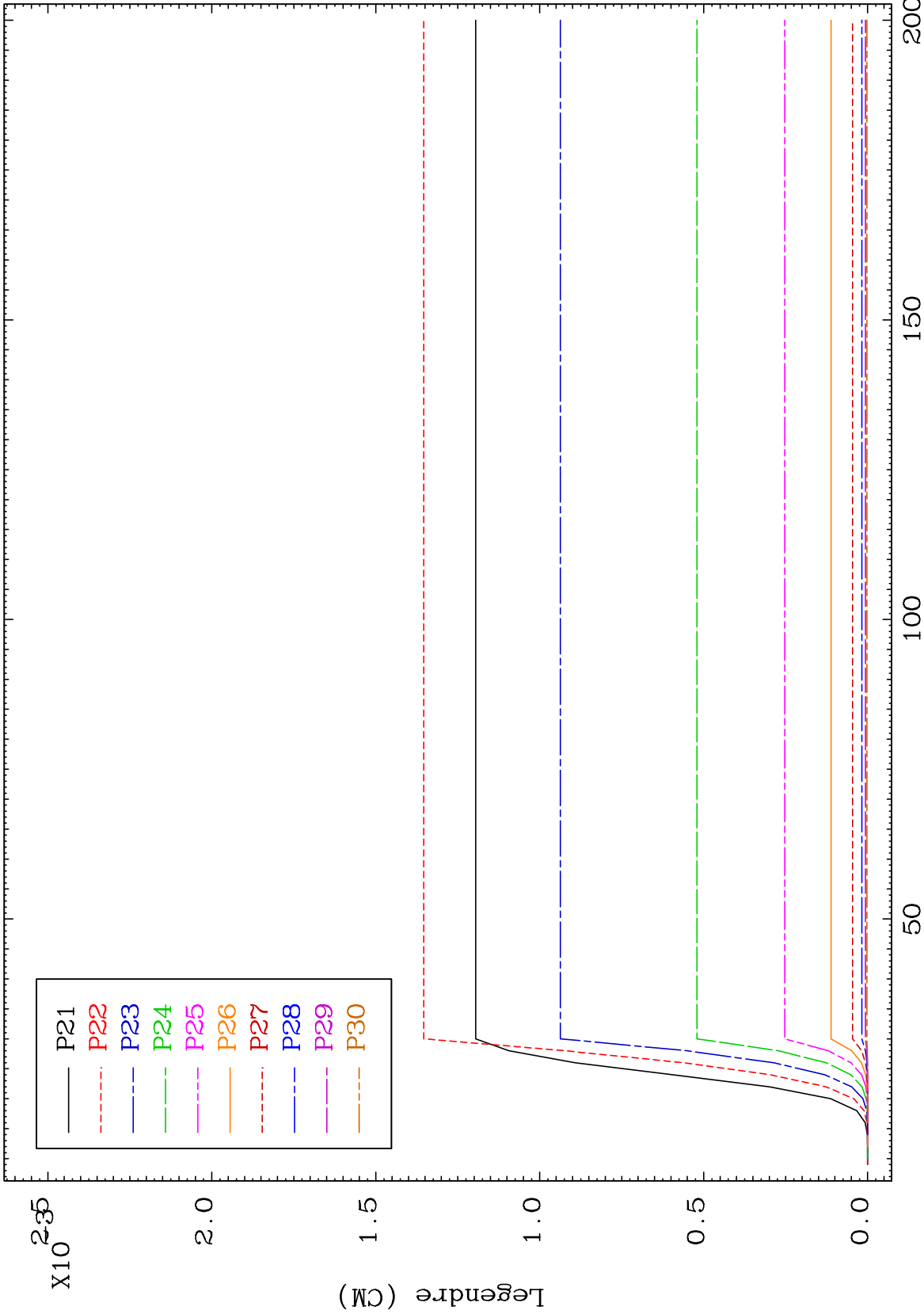
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205



119

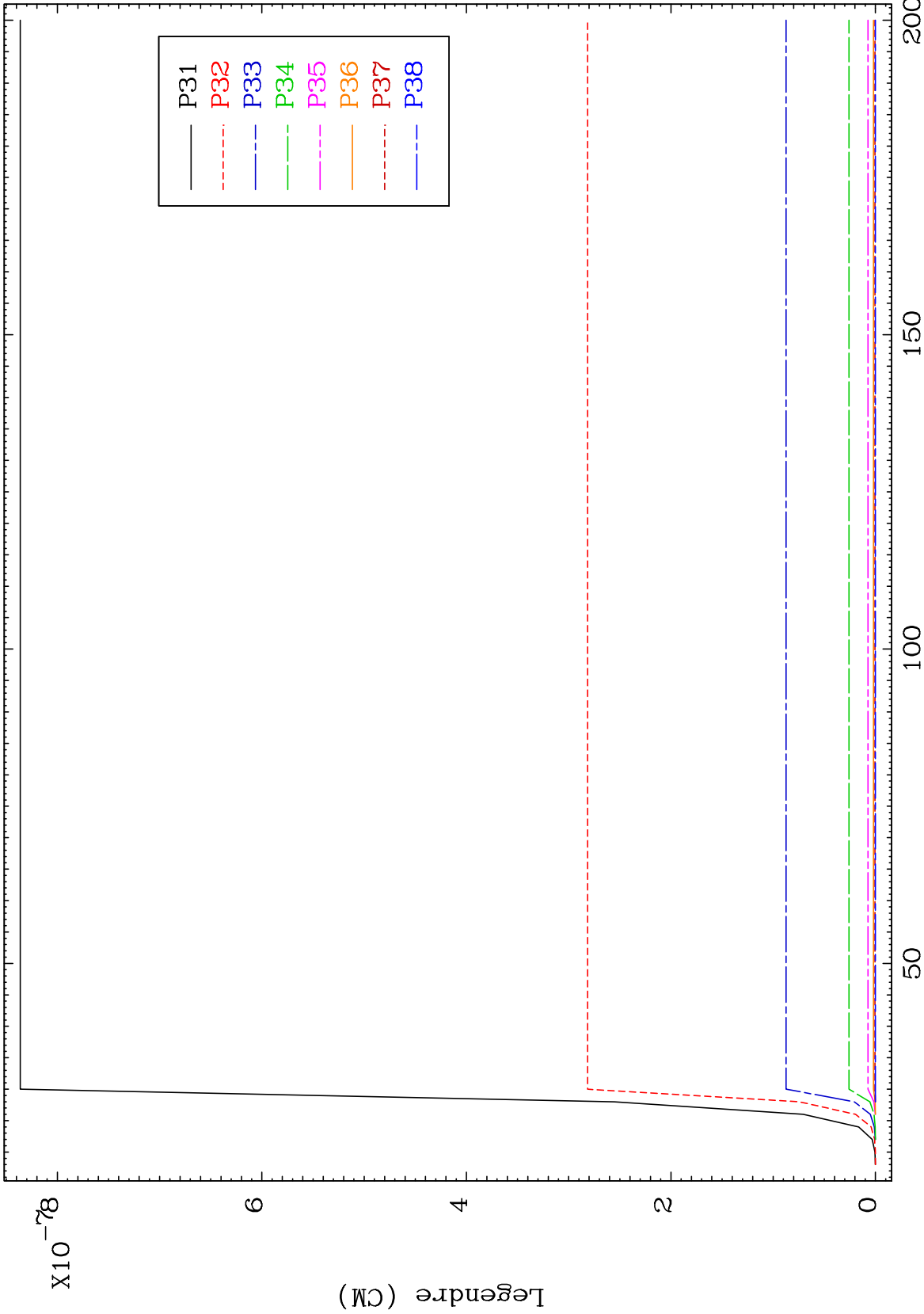
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205



120

50

100

150

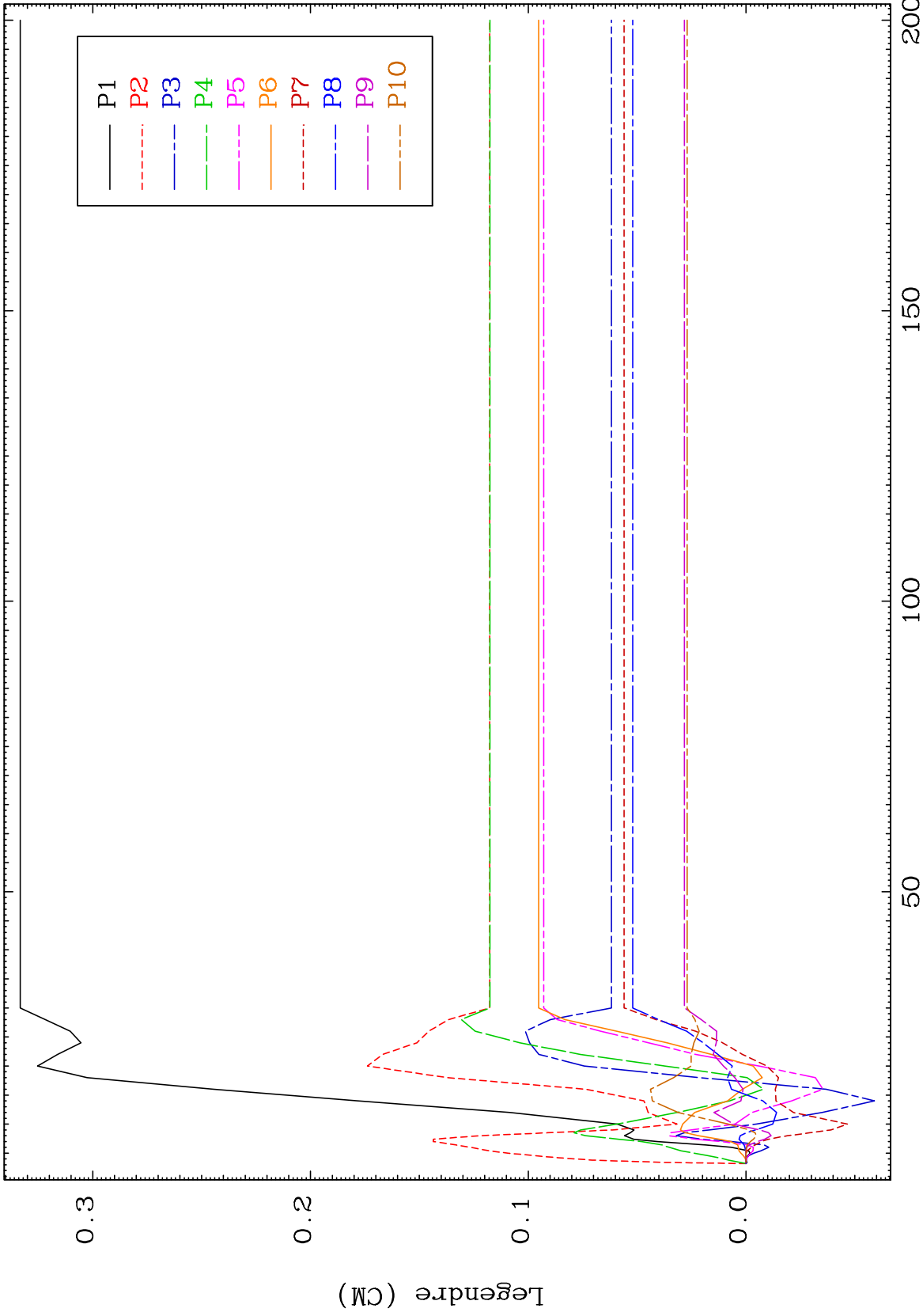
200

80-Hg-205

MAT 8052

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

80-Hg-205



121

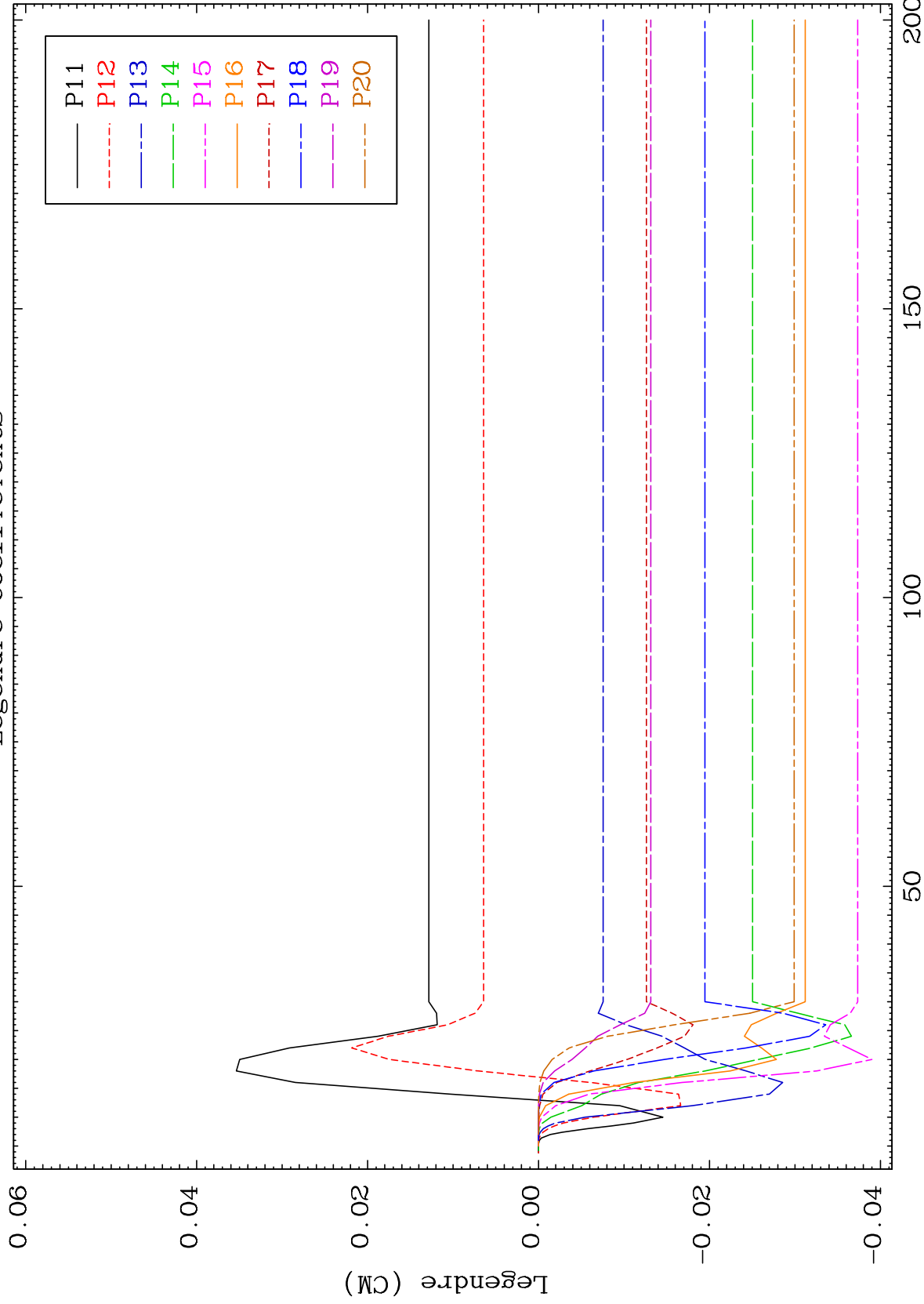
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

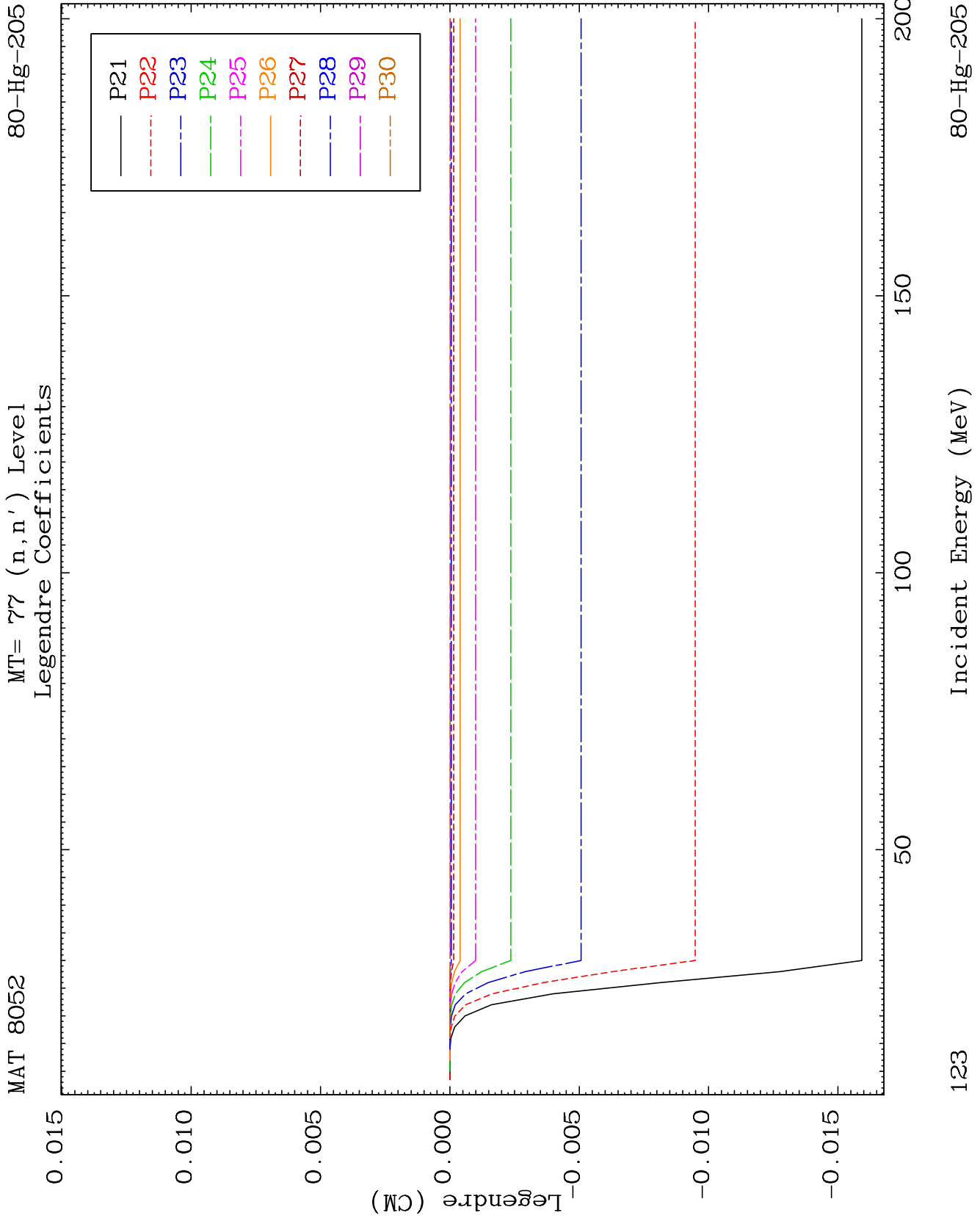
80-Hg-205

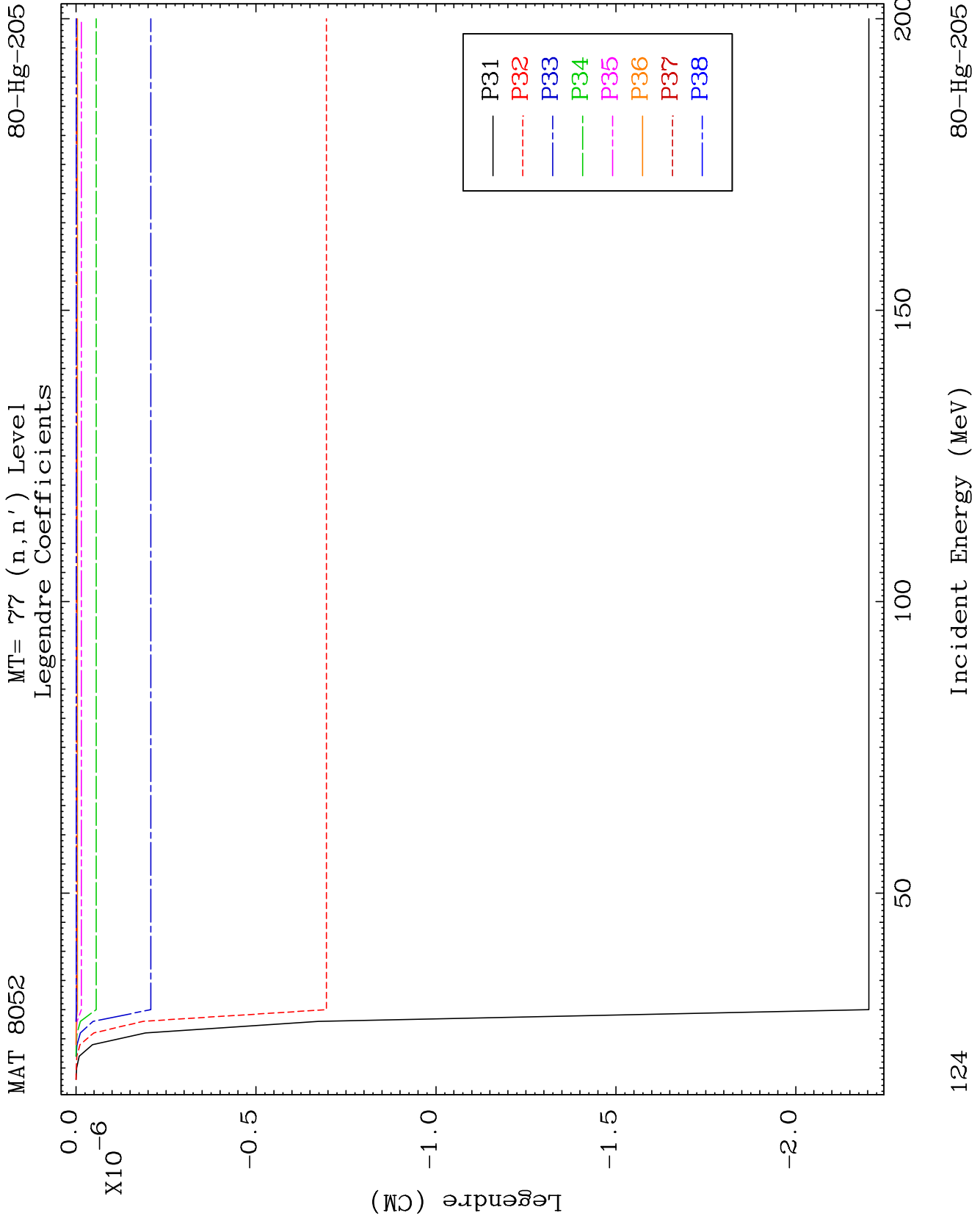


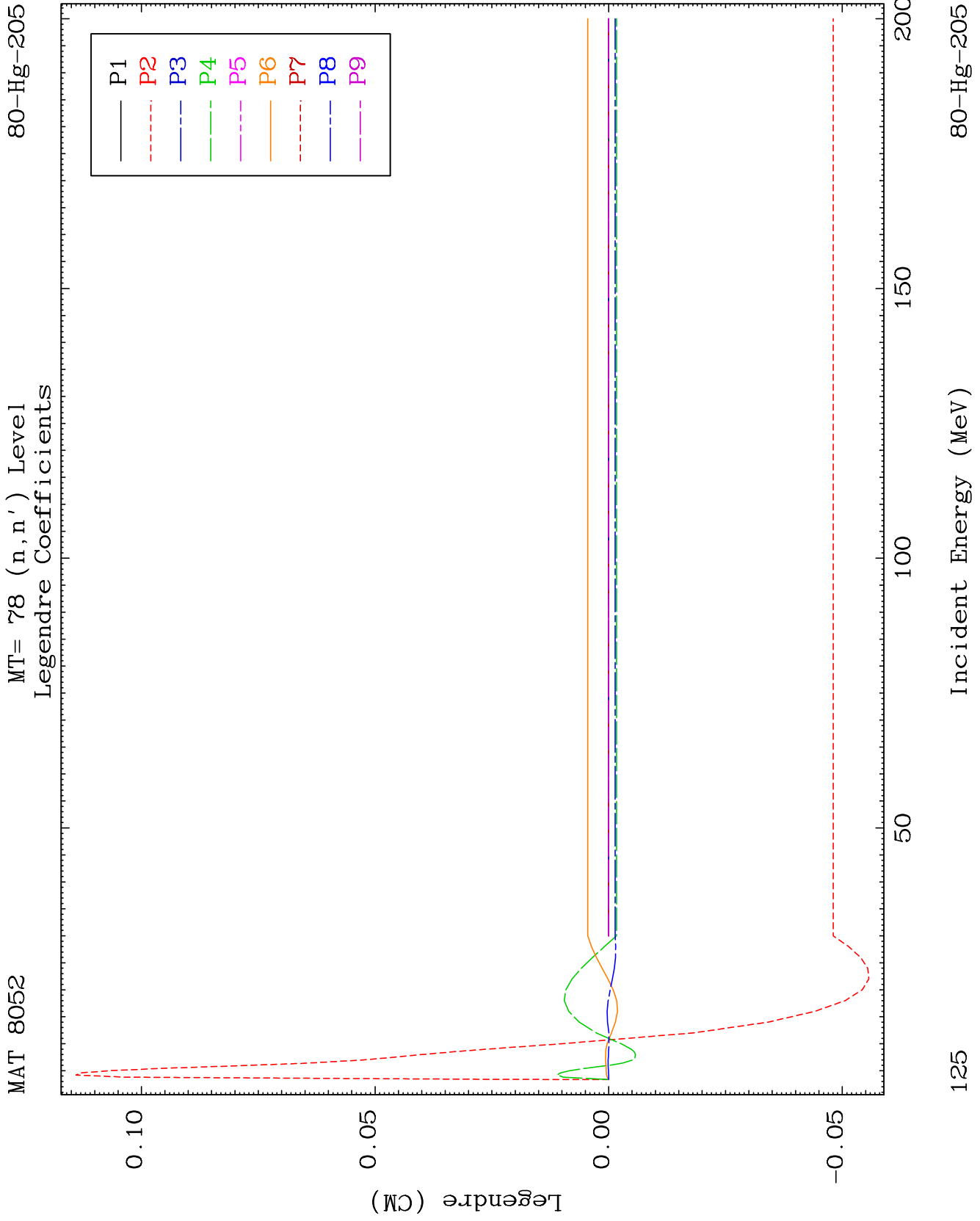
122

Incident Energy (MeV)

80-Hg-205



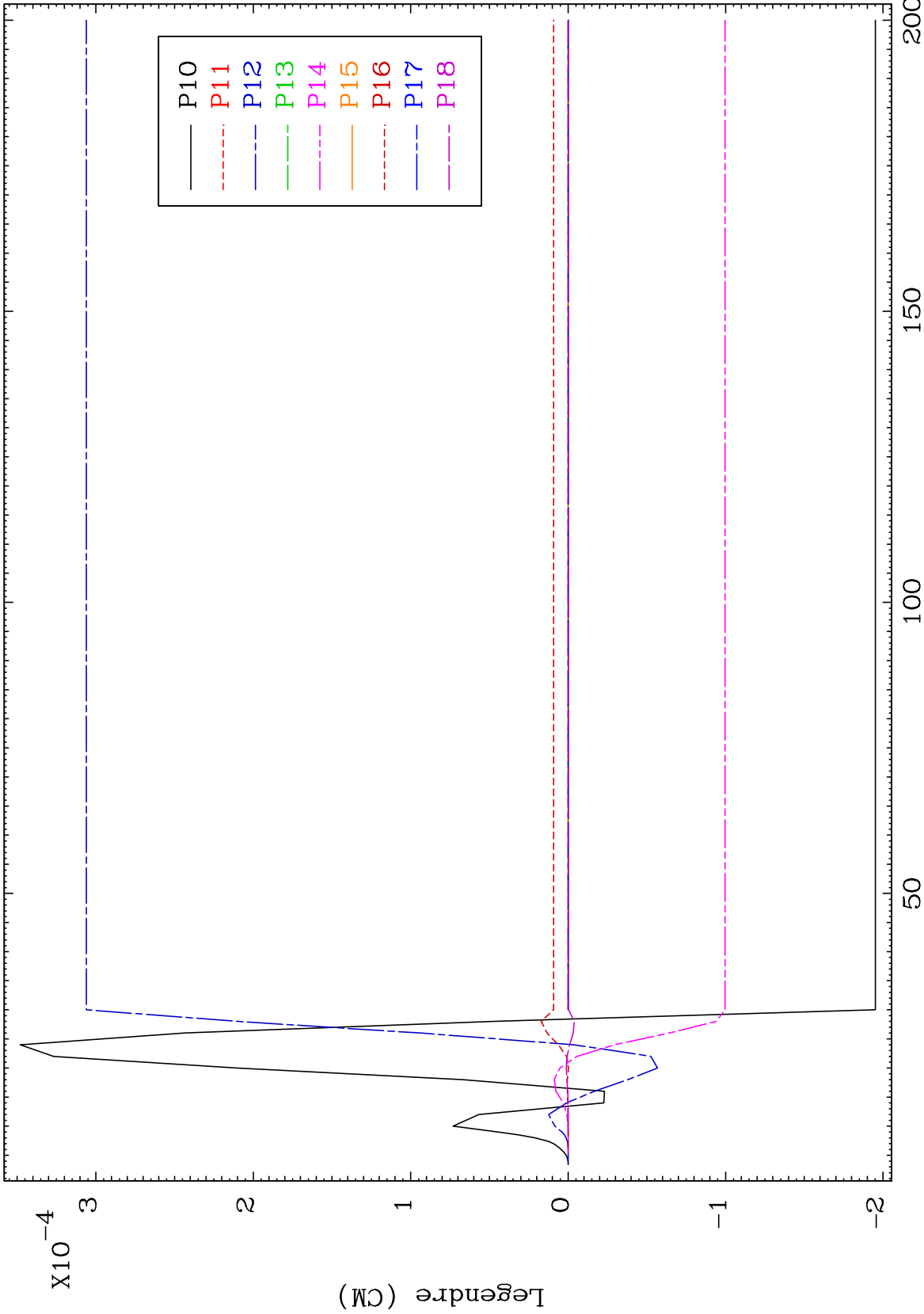




MAT 8052

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

80-Hg-205



126

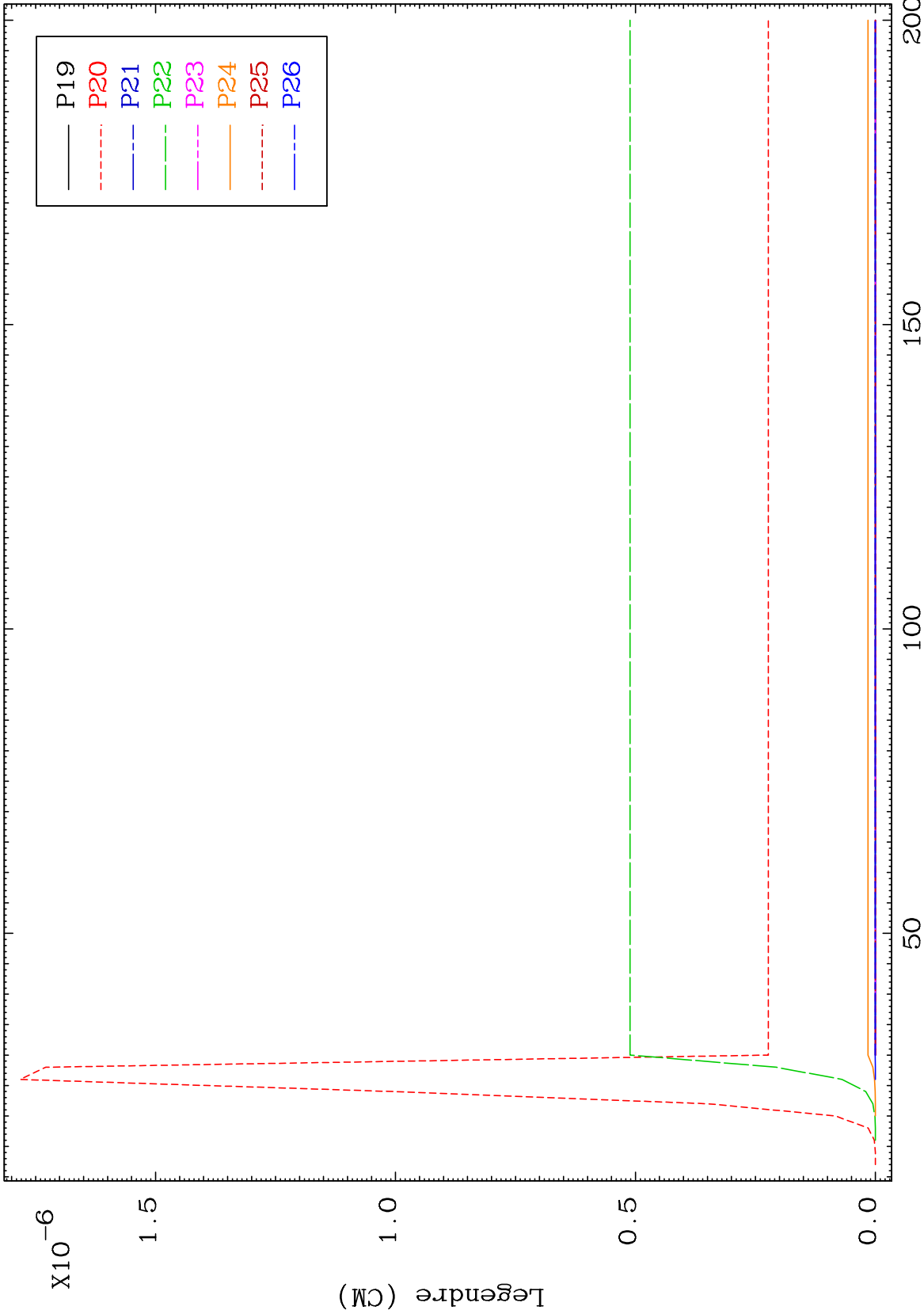
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205



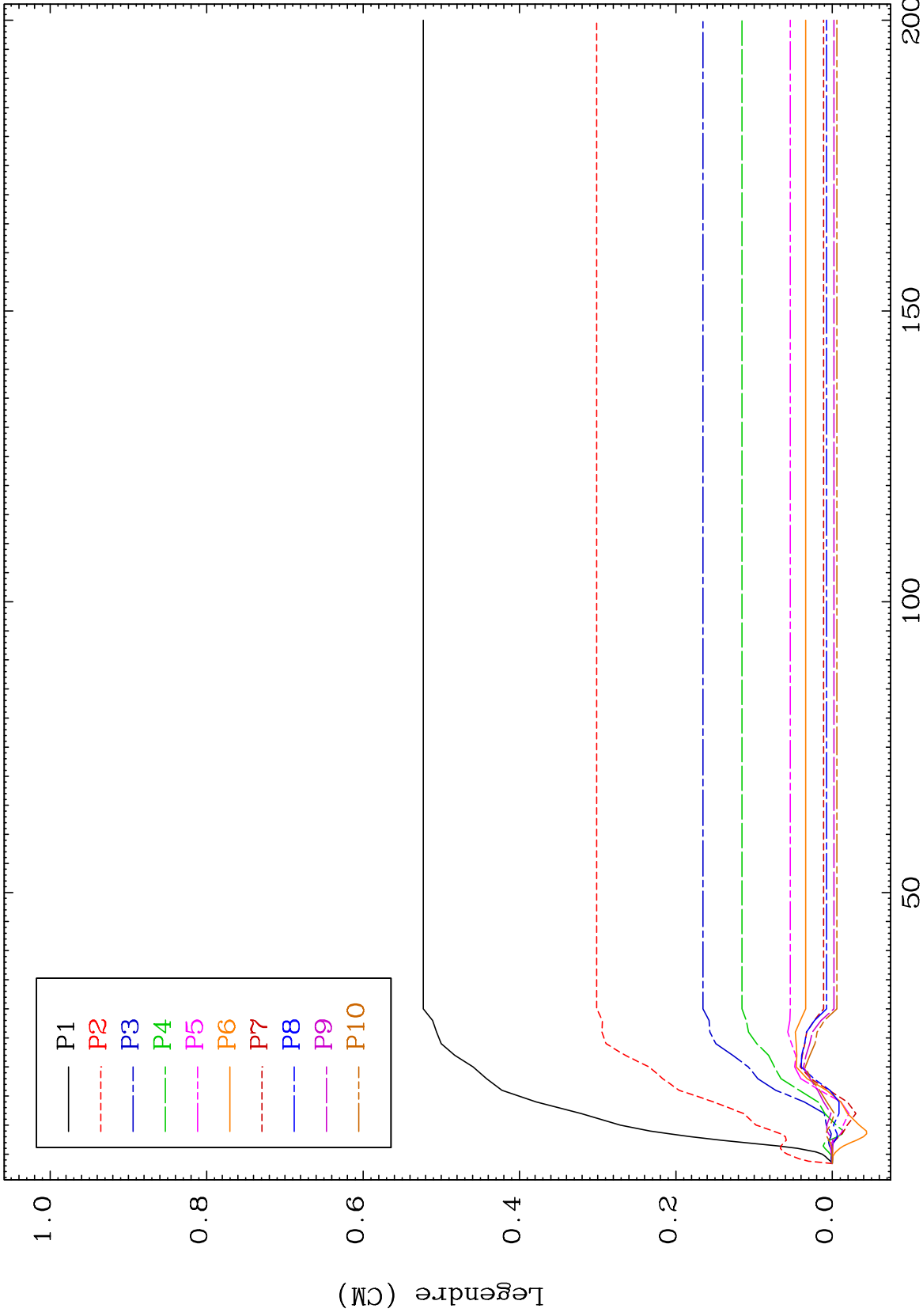
127

80-Hg-205

MAT 8052

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

80-Hg-205



128

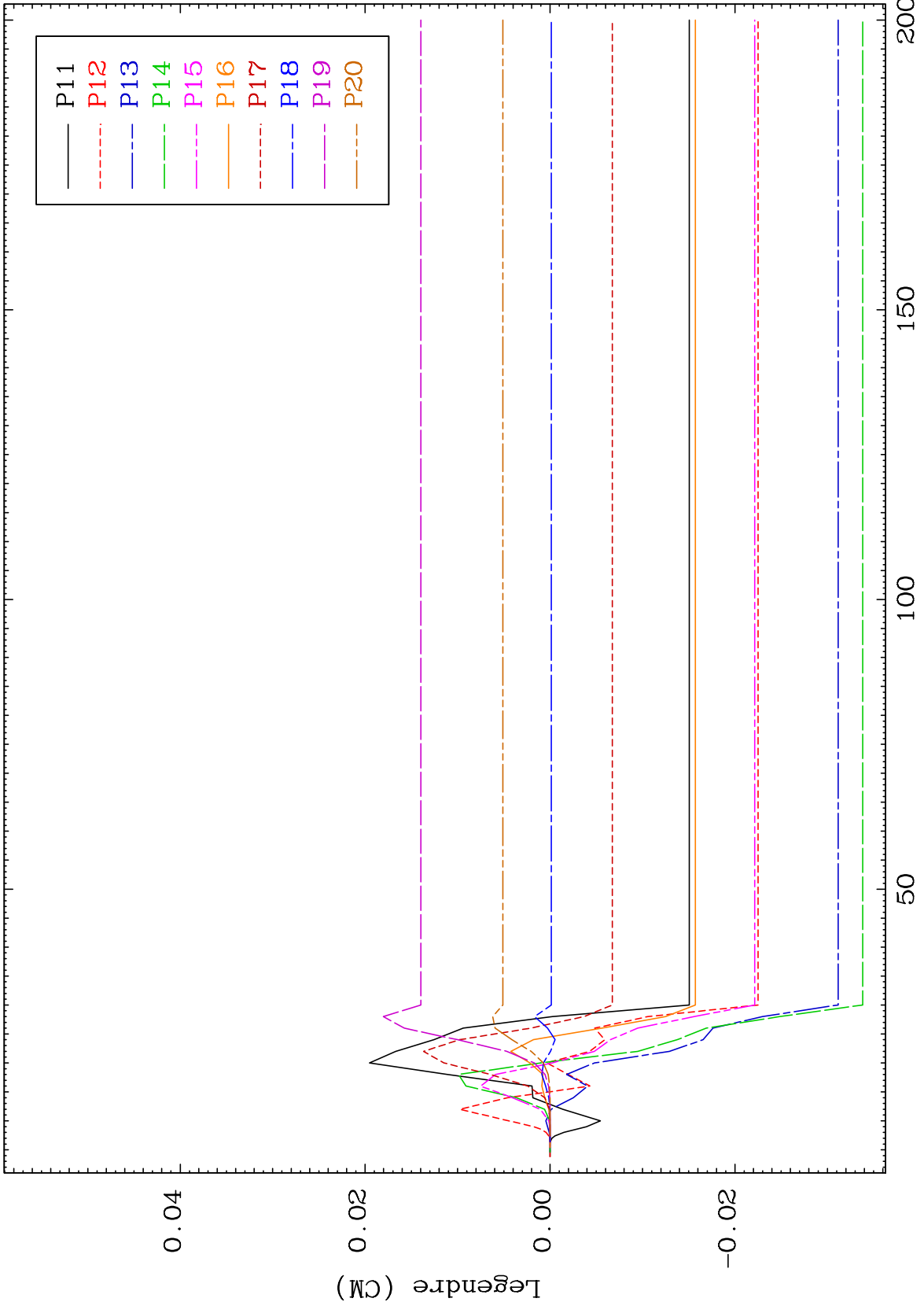
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205



129

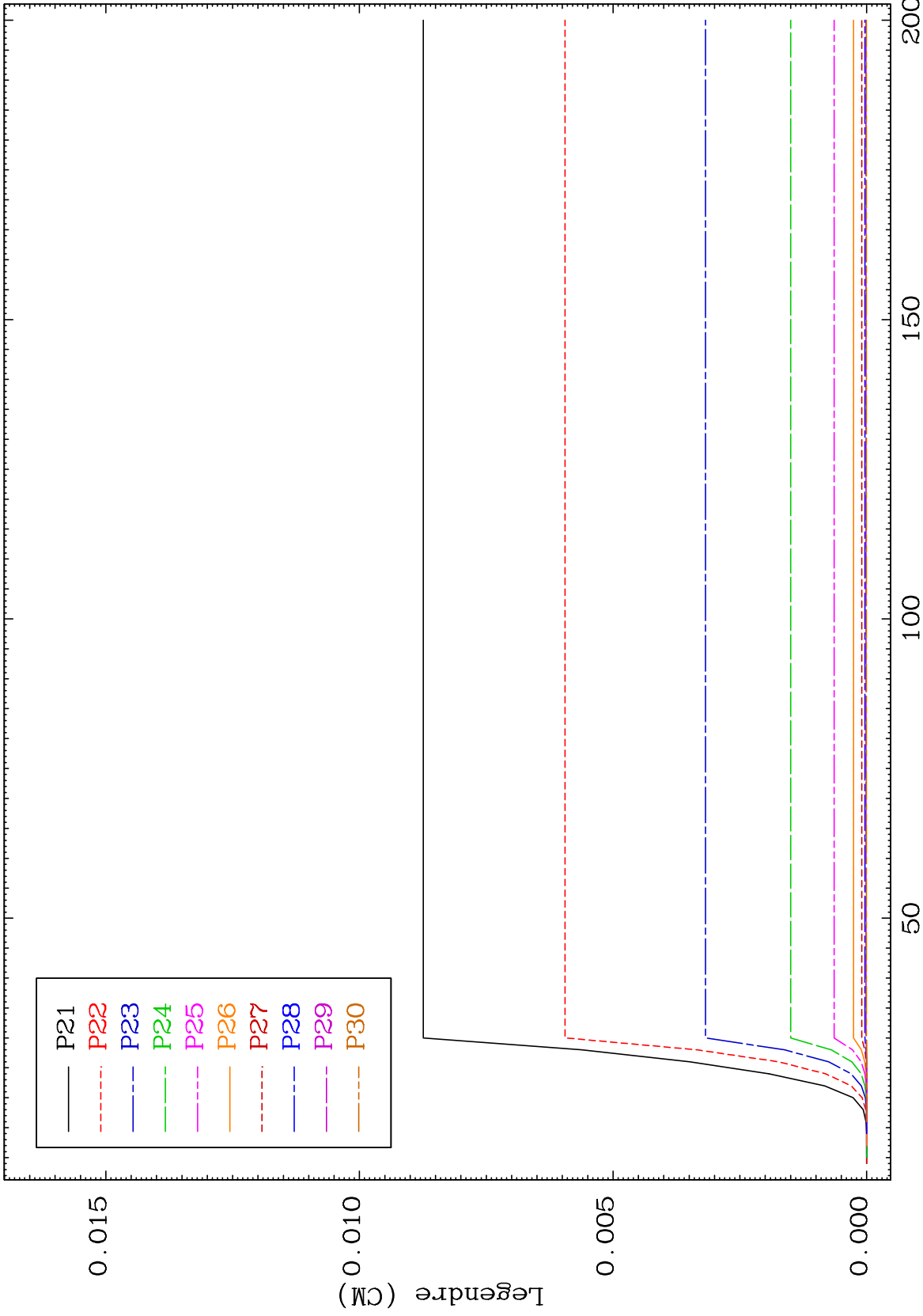
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205

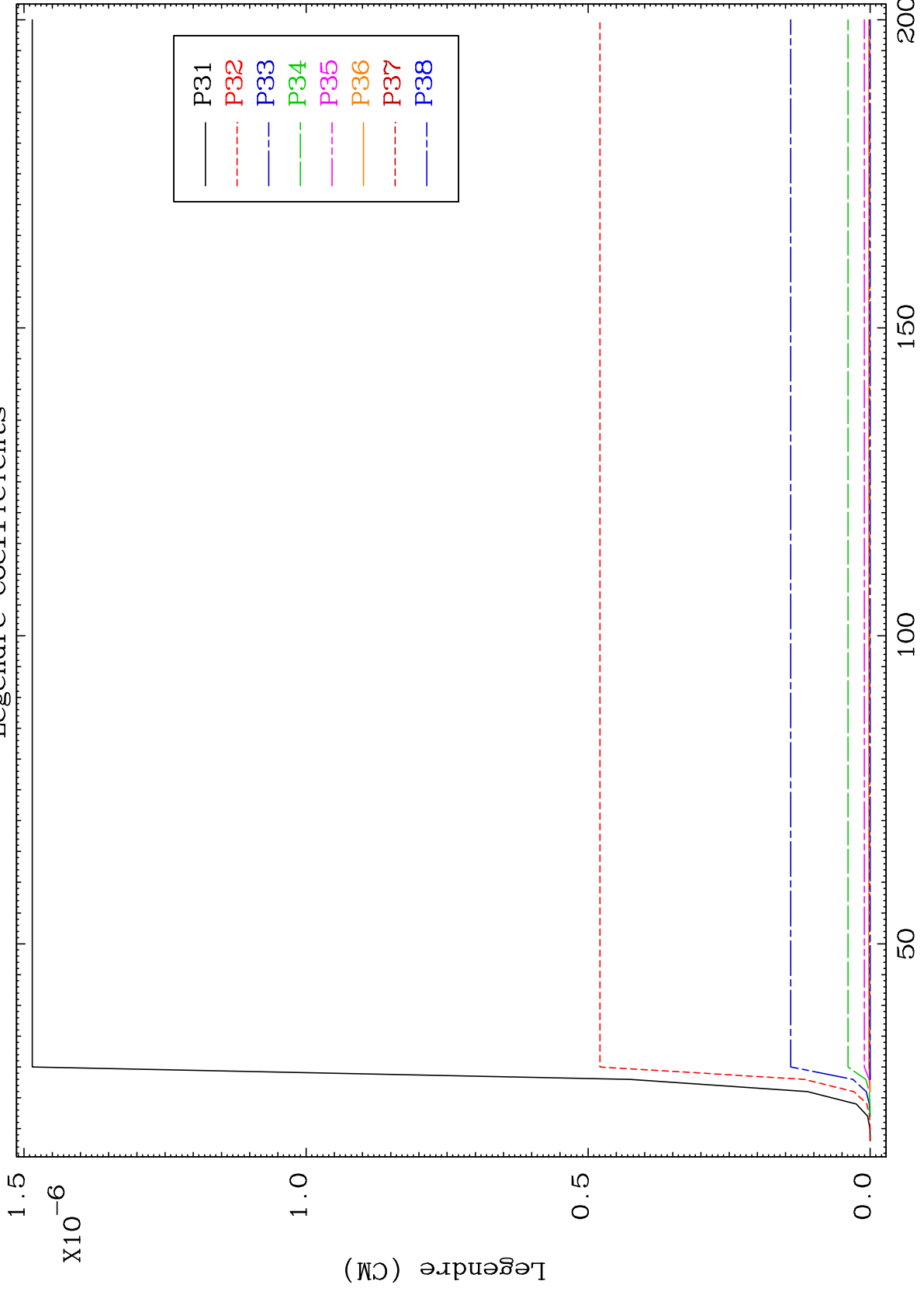


130

Incident Energy (MeV)

80-Hg-205

MAT 8052 MT= 79 (n,n') Level Legendre Coefficients 80-Hg-205



131

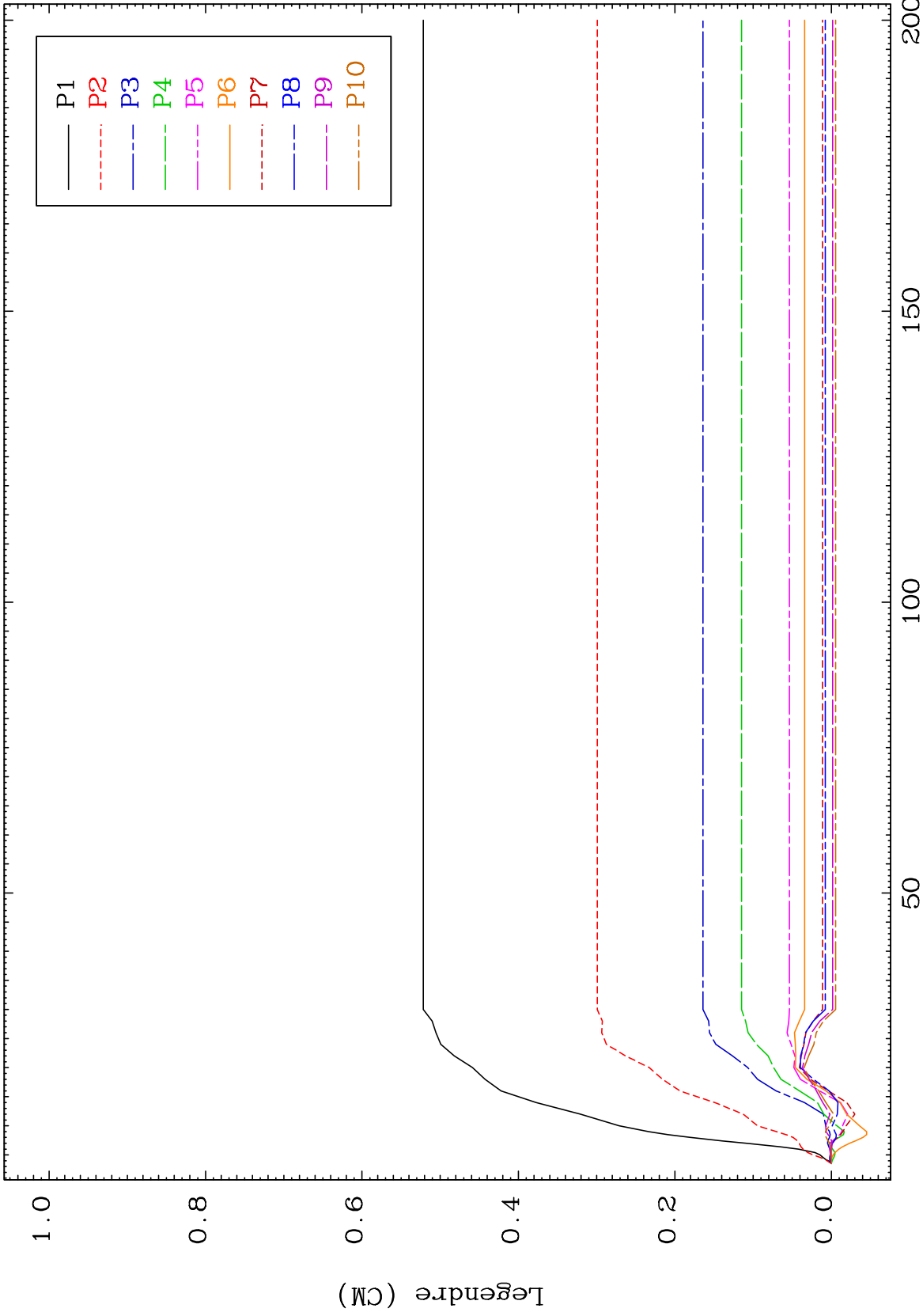
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

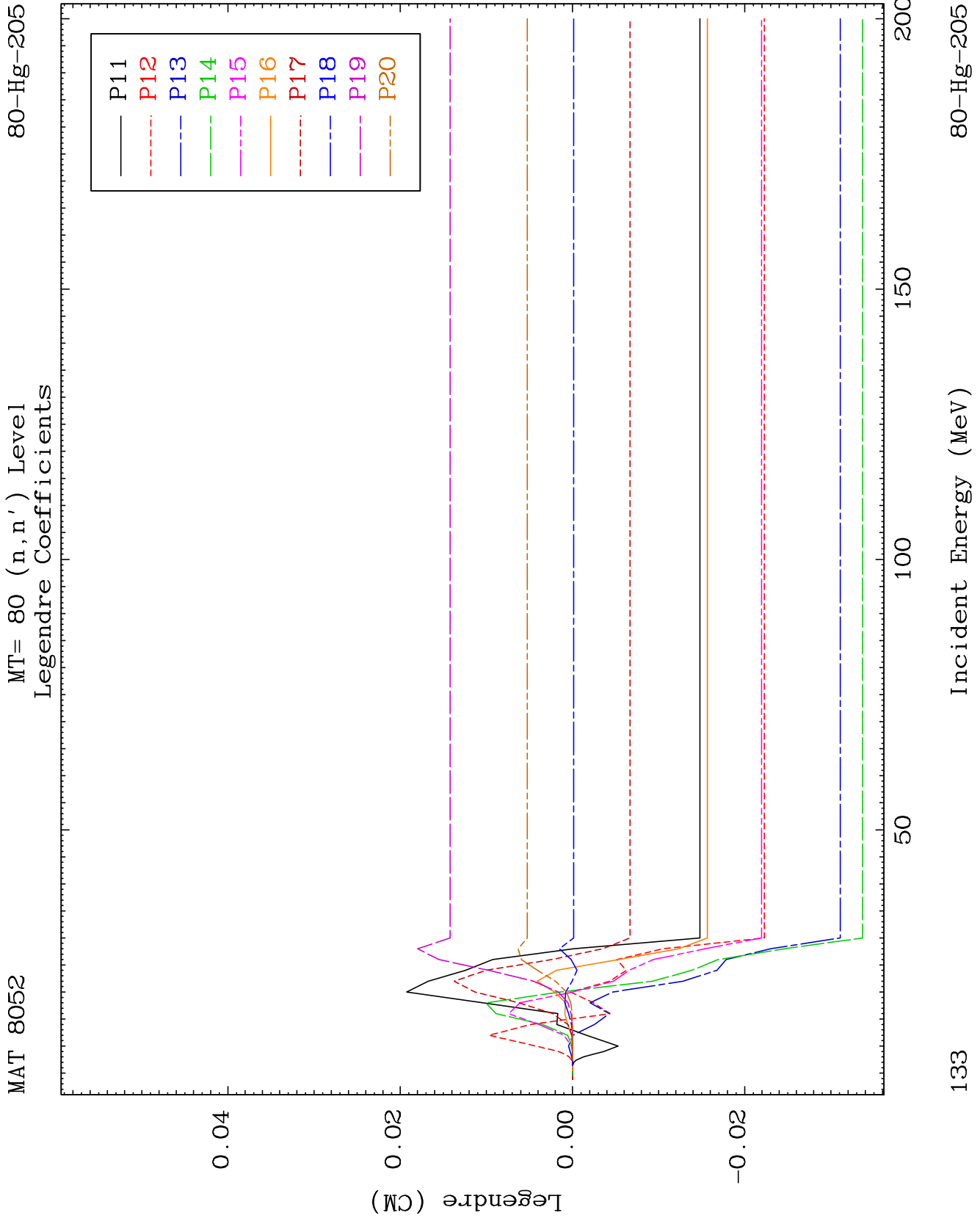
80-Hg-205



132

Incident Energy (MeV)

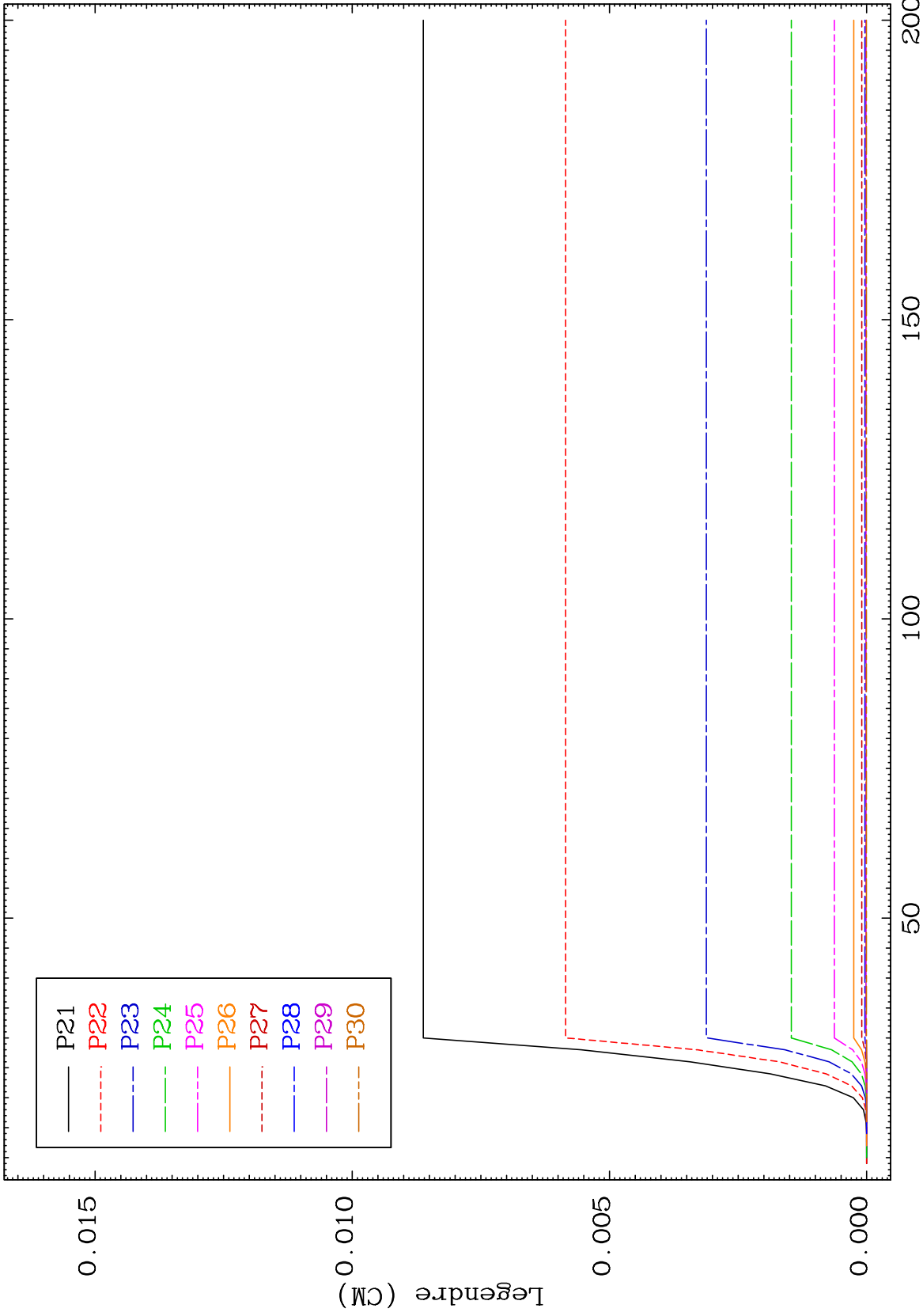
80-Hg-205



MAT 8052

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

80-Hg-205



134

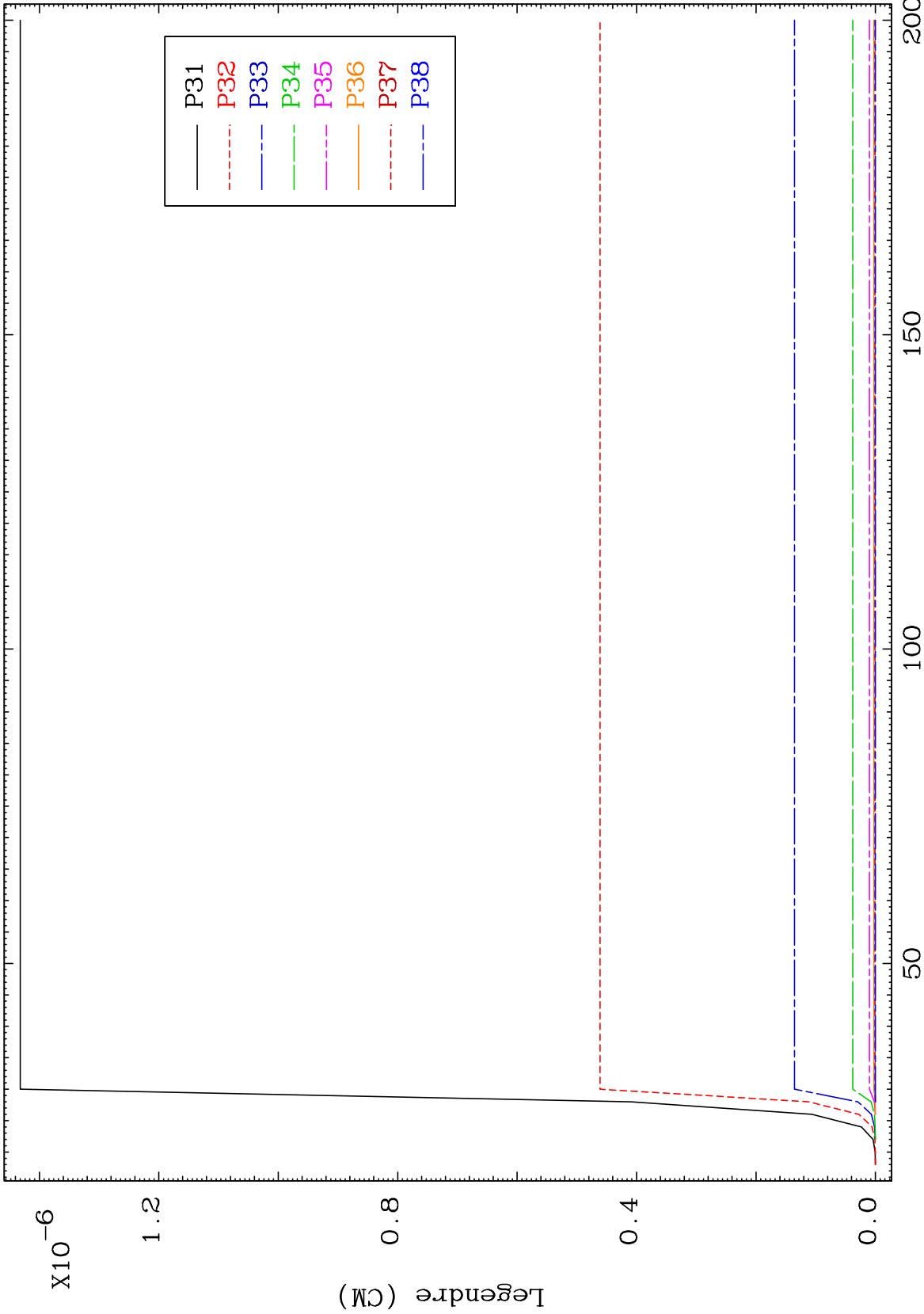
Incident Energy (MeV)

80-Hg-205

MAT 8052

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

80-Hg-205



135

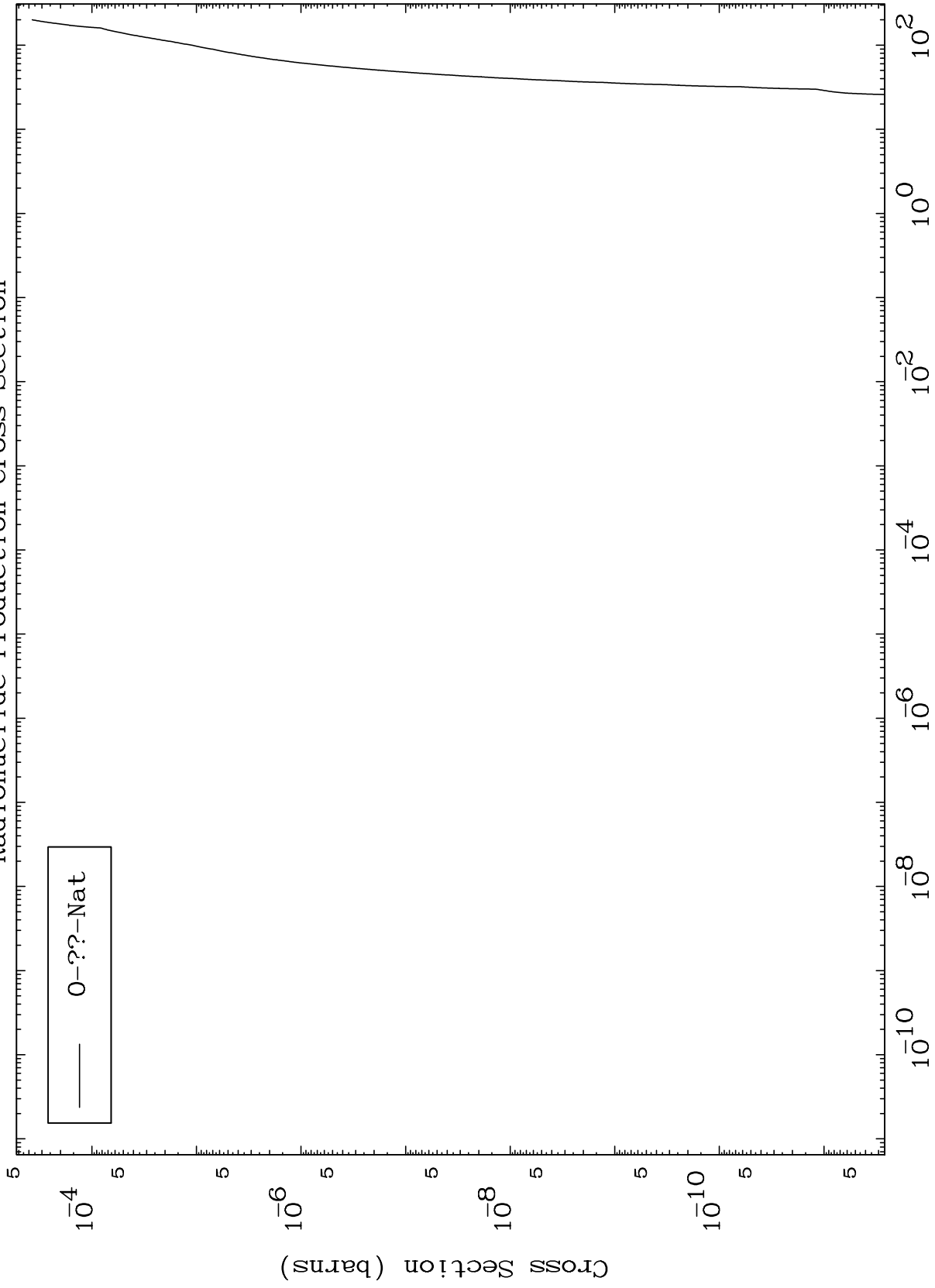
Incident Energy (MeV)

80-Hg-205

MAT 8052

Fission
Radionuclide Production Cross Section

80-Hg-205



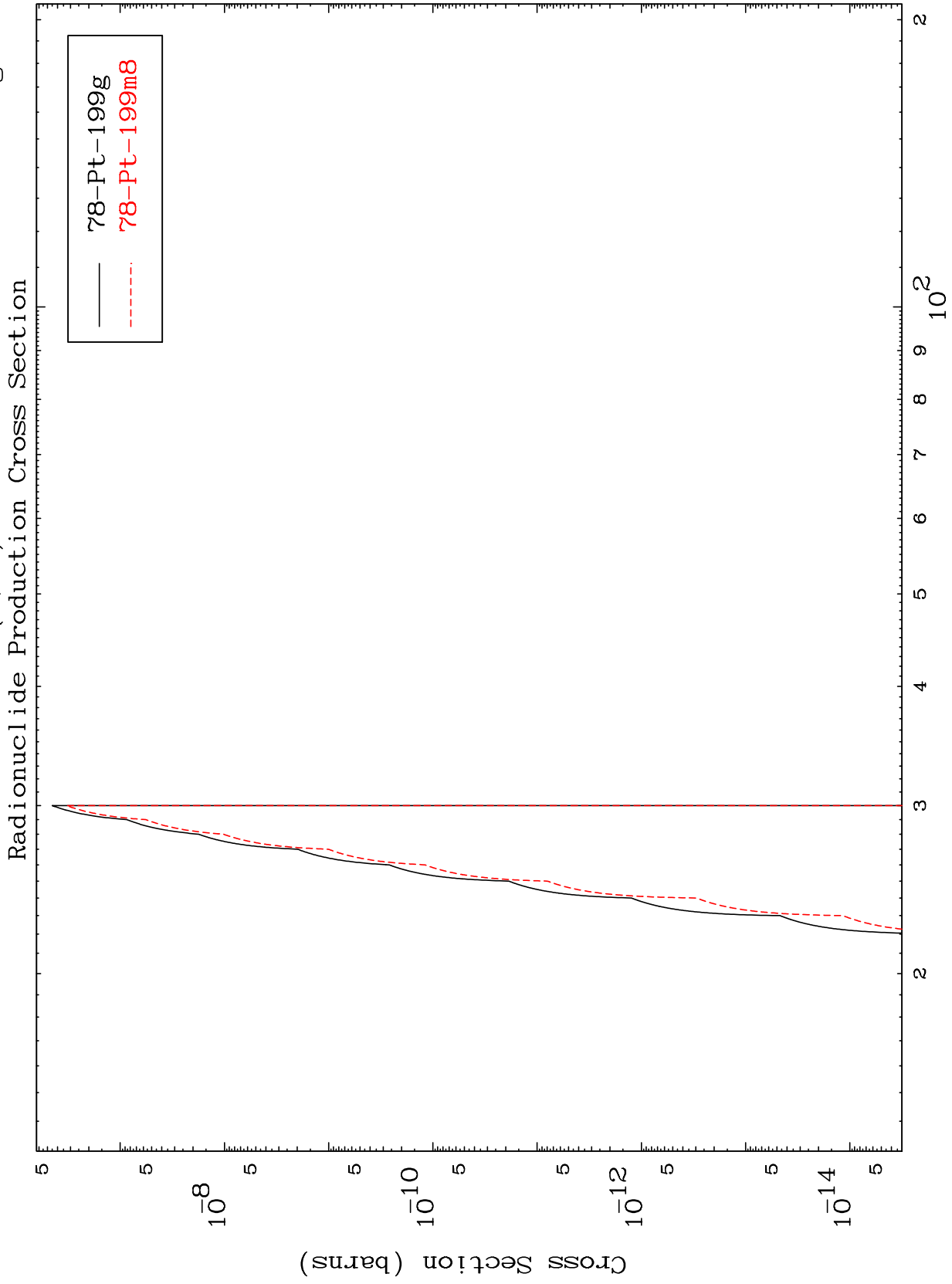
136

80-Hg-205

MAT 8052

$(n, 3n) \alpha$

80-Hg-205



137

Incident Energy (MeV)

80-Hg-205