

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

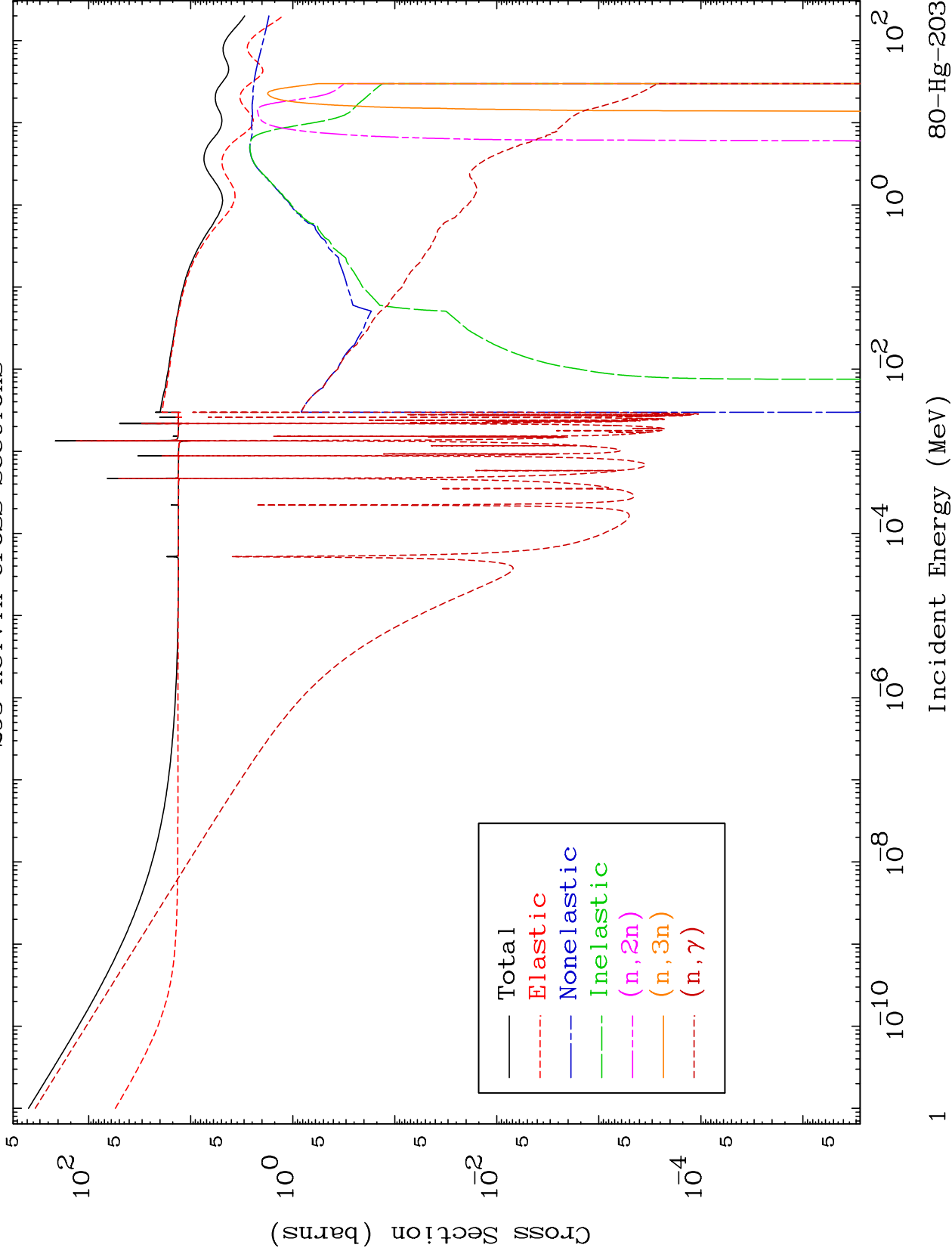
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8046

Neutron Major
293 Kelvin Cross Sections

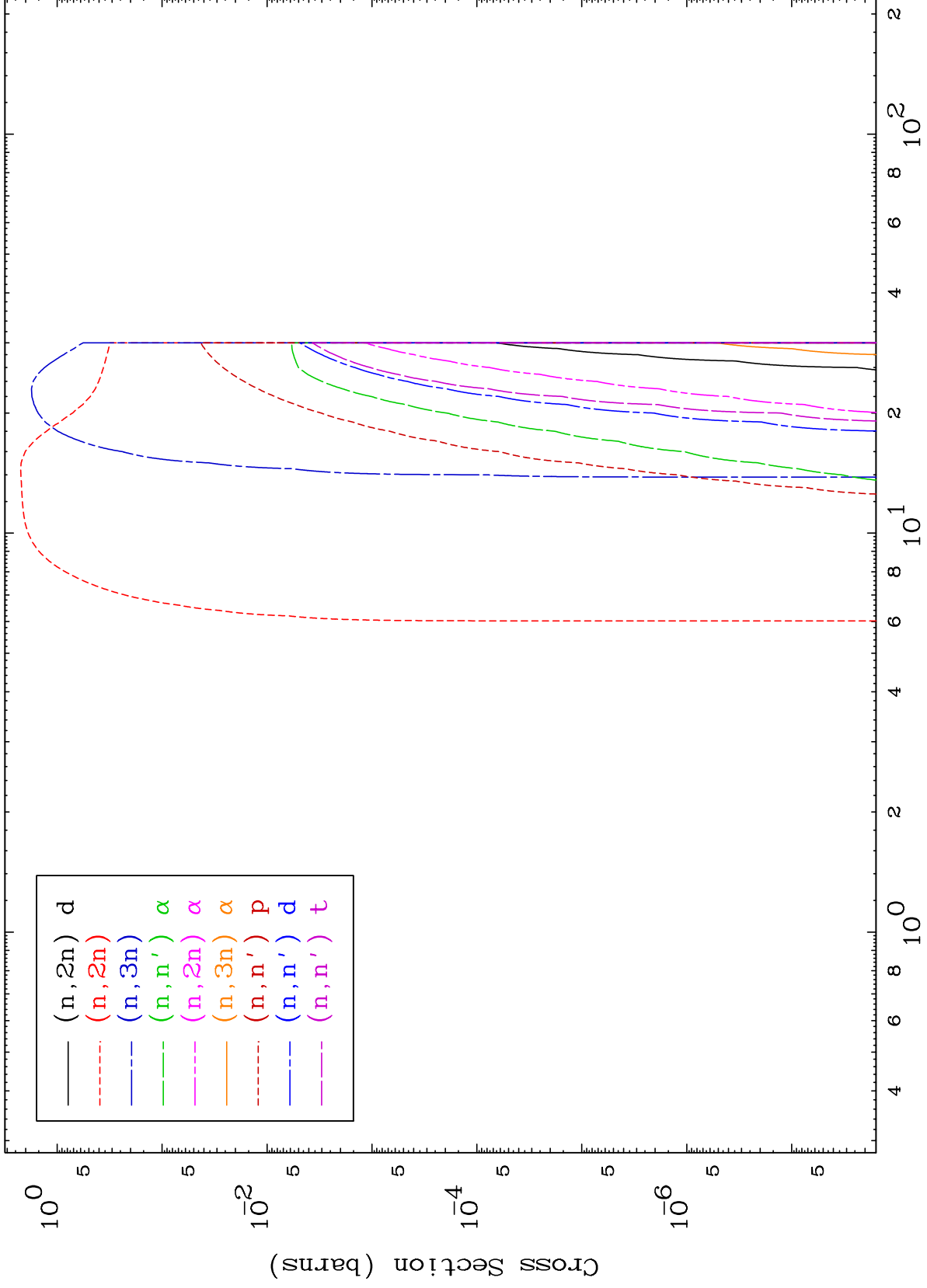
80-Hg-203



MAT 8046

Neutron Absorption
293 Kelvin Cross Sections

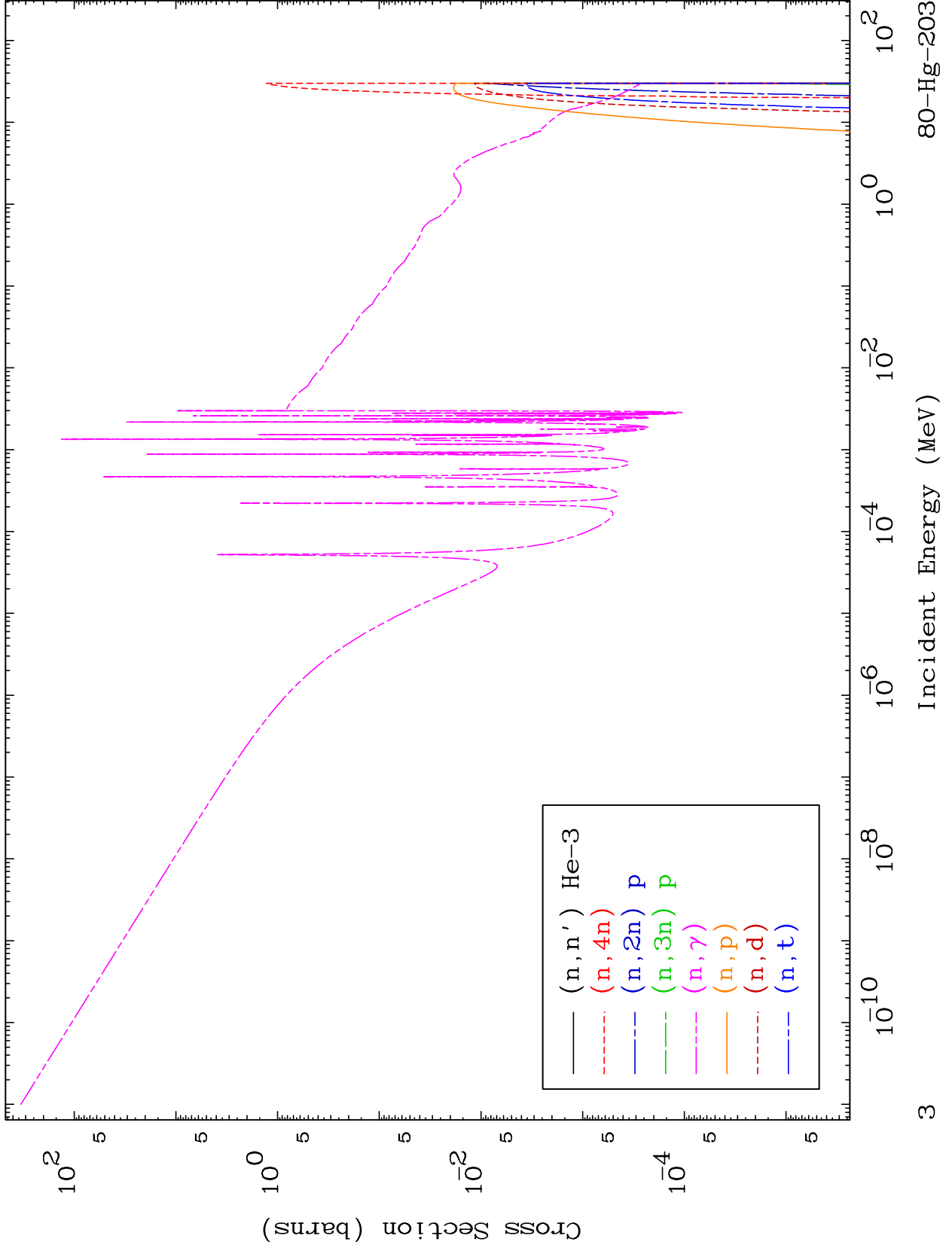
80-Hg-203

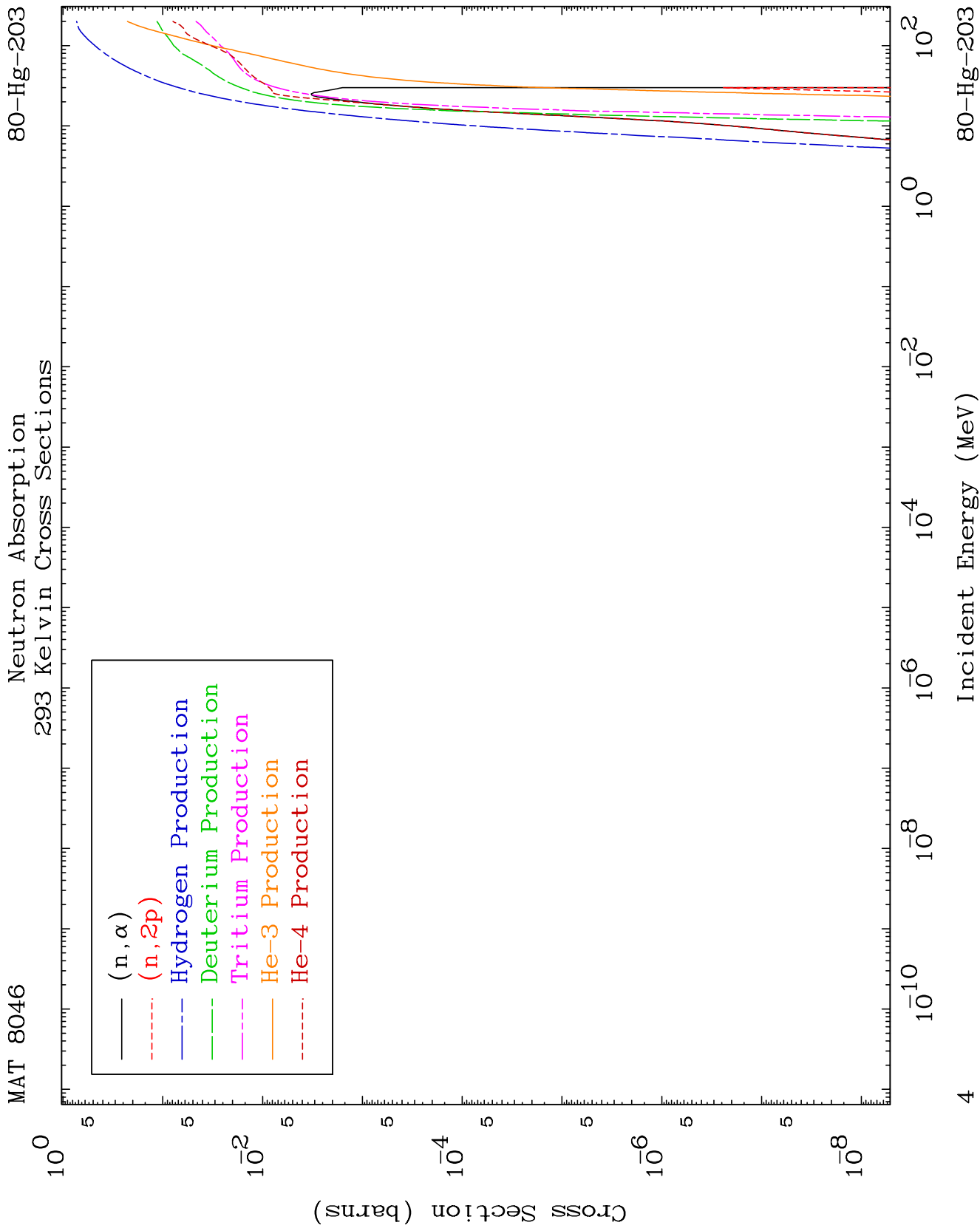


MAT 8046

Neutron Absorption
293 Kelvin Cross Sections

80-Hg-203

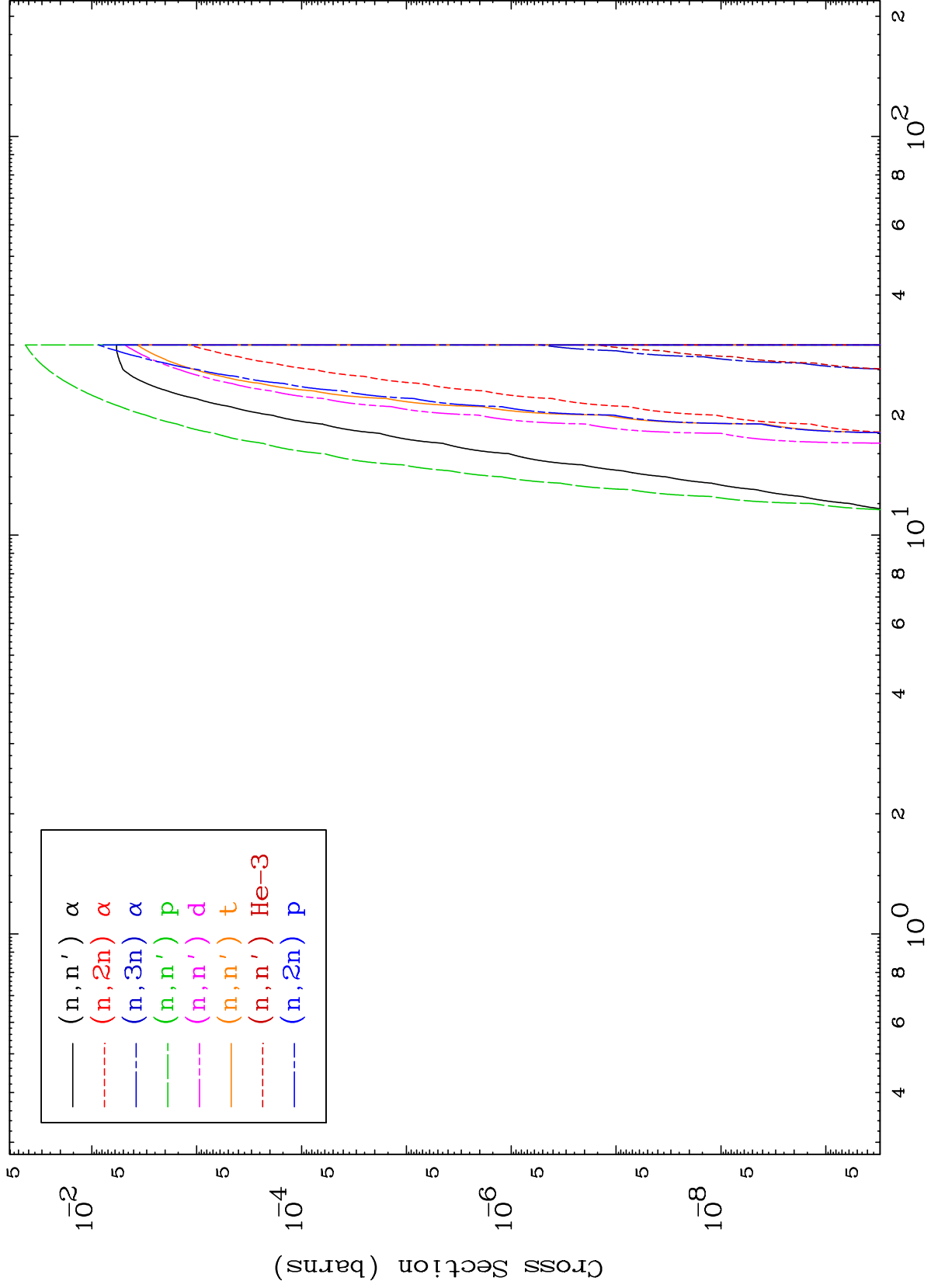




MAT 8046

Charged Particle
293 Kelvin Cross Sections

80-Hg-203



5

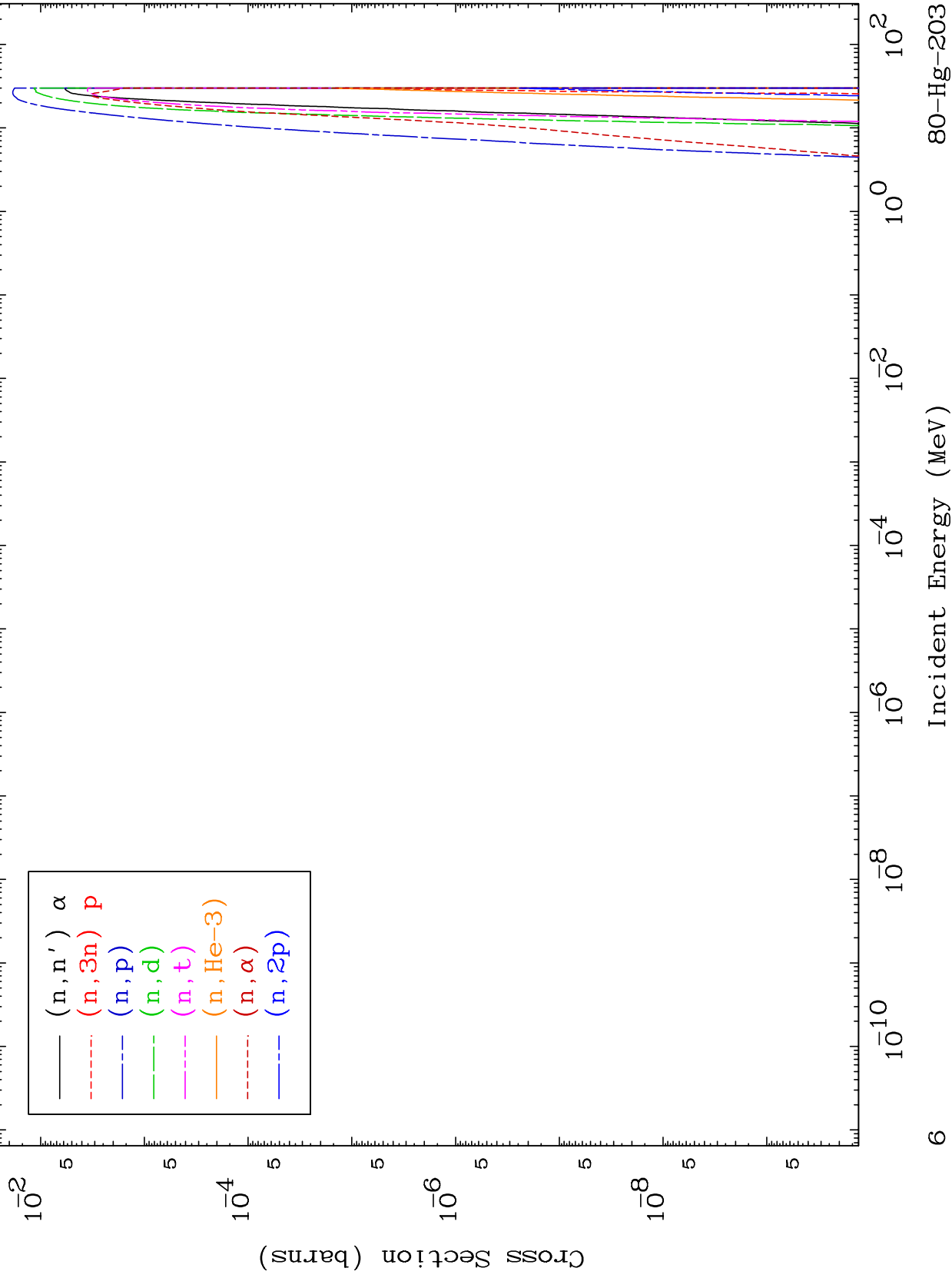
Incident Energy (MeV)

80-Hg-203

MAT 8046

Charged Particle
293 Kelvin Cross Sections

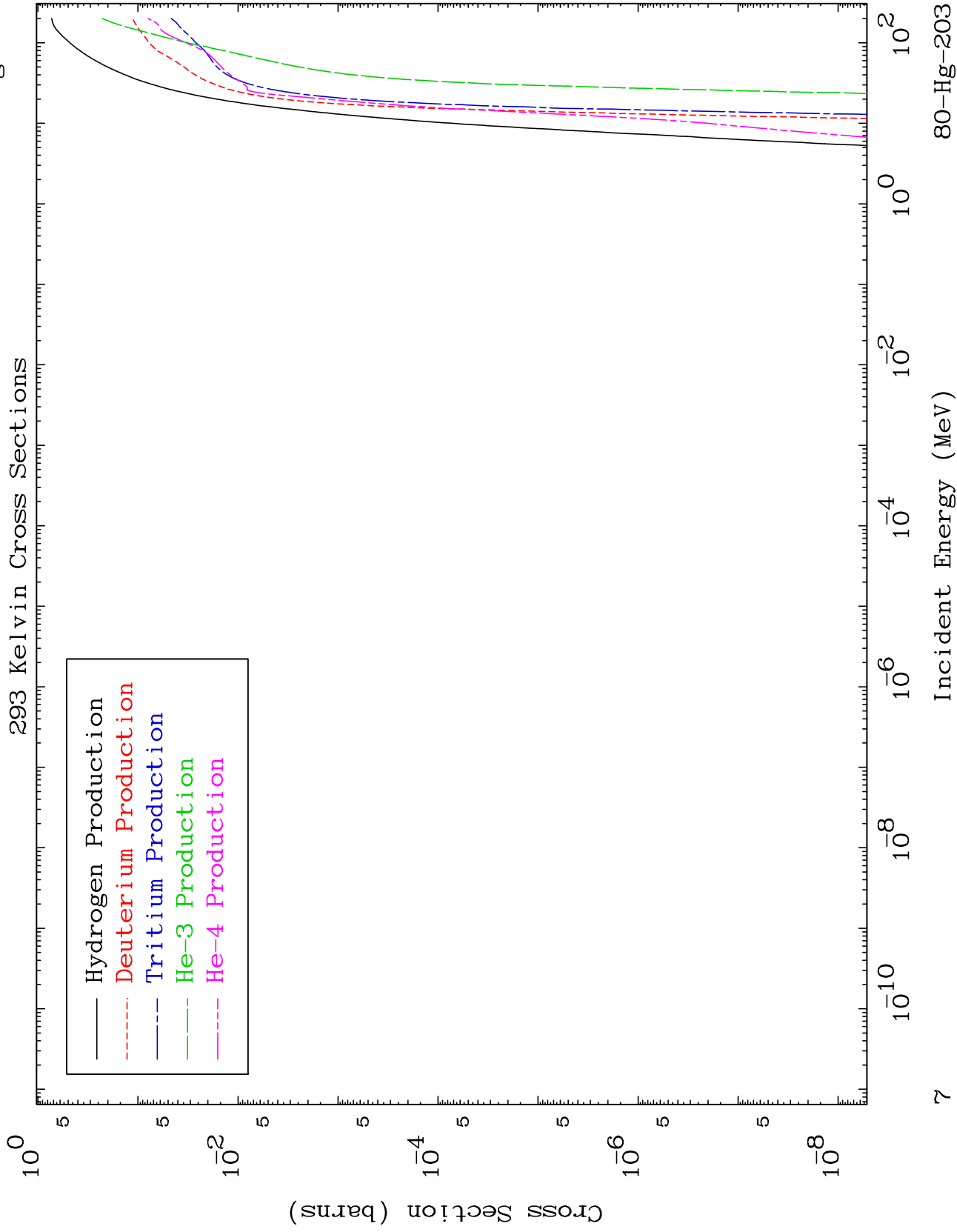
80-Hg-203



MAT 8046

Particle Production
293 Kelvin Cross Sections

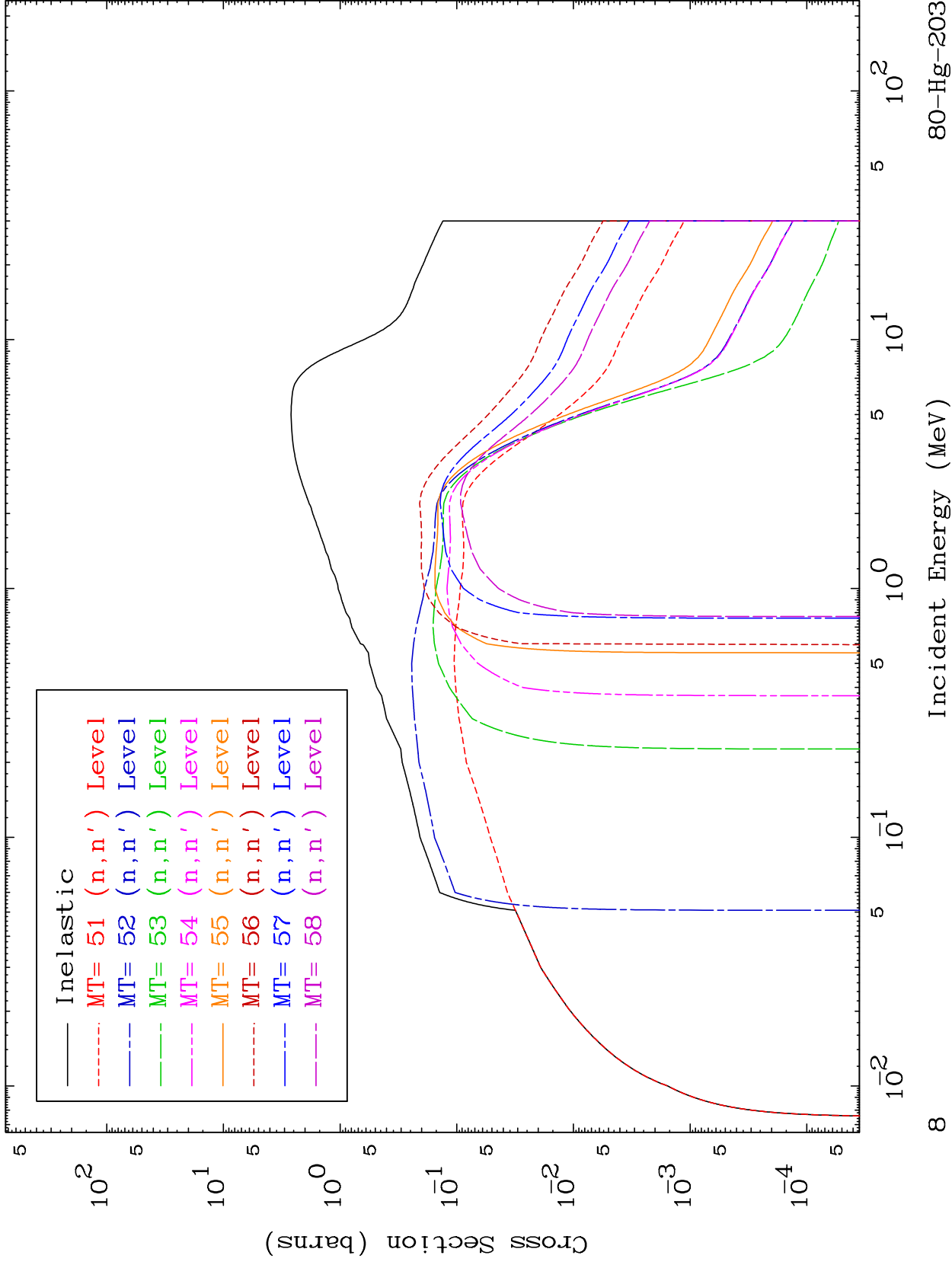
80-Hg-203



MAT 8046

(n,n') Levels
293 Kelvin Cross Sections

80-Hg-203



80-Hg-203

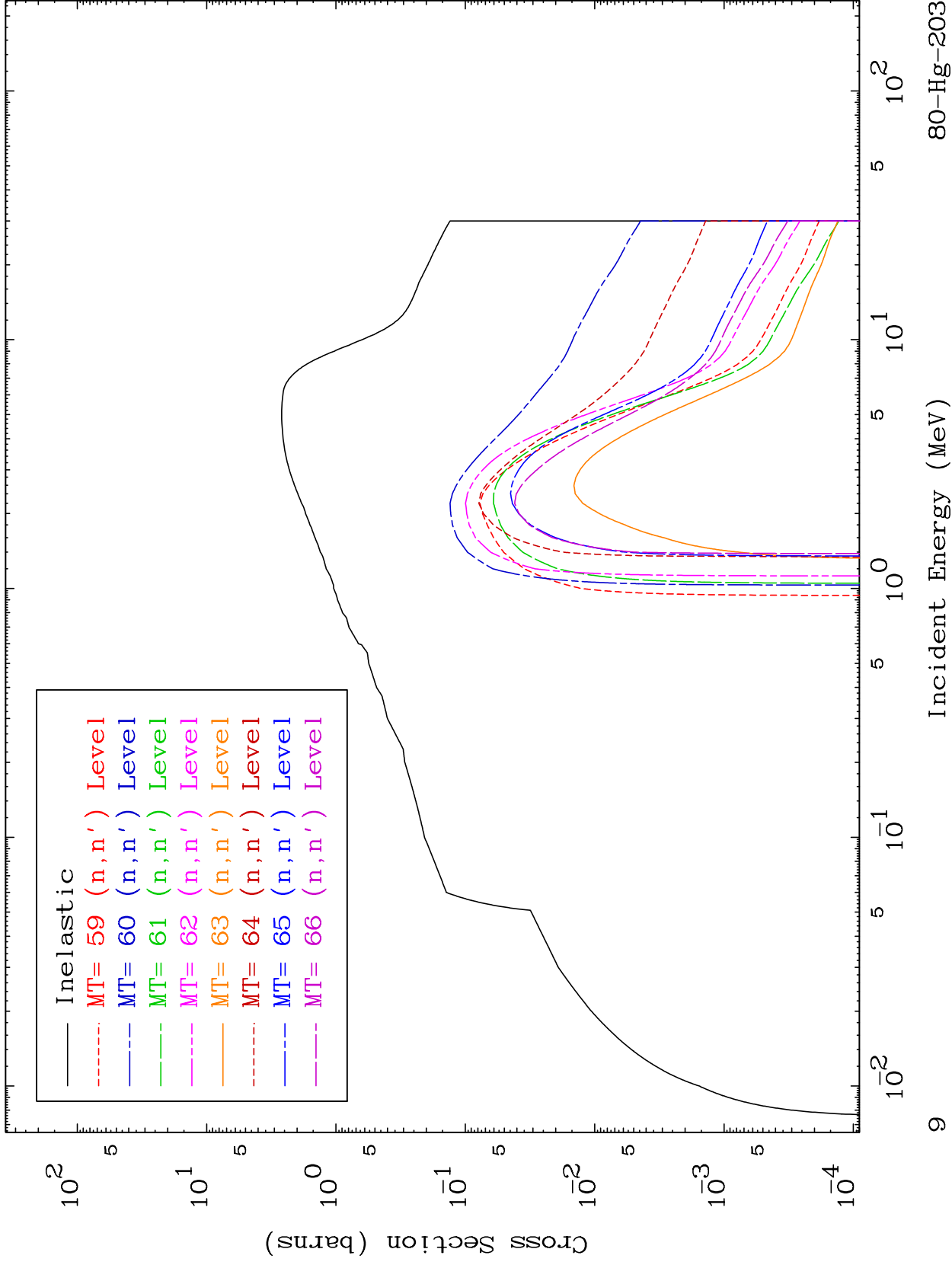
Incident Energy (MeV)

8

MAT 8046

(n,n') Levels
293 Kelvin Cross Sections

80-Hg-203



80-Hg-203

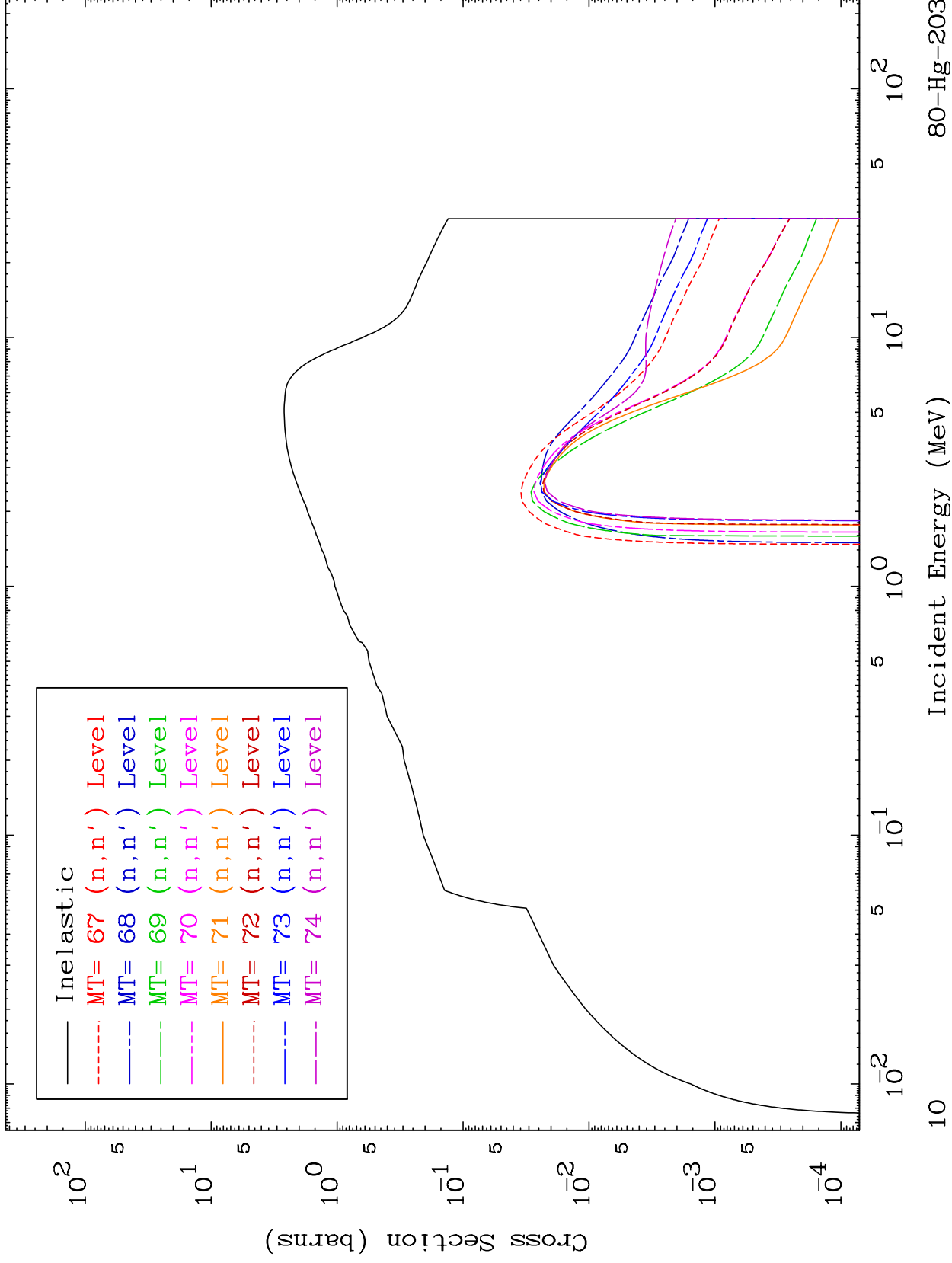
Incident Energy (MeV)

9

MAT 8046

293 Kelvin Cross Sections
(n,n') Levels

80-Hg-203

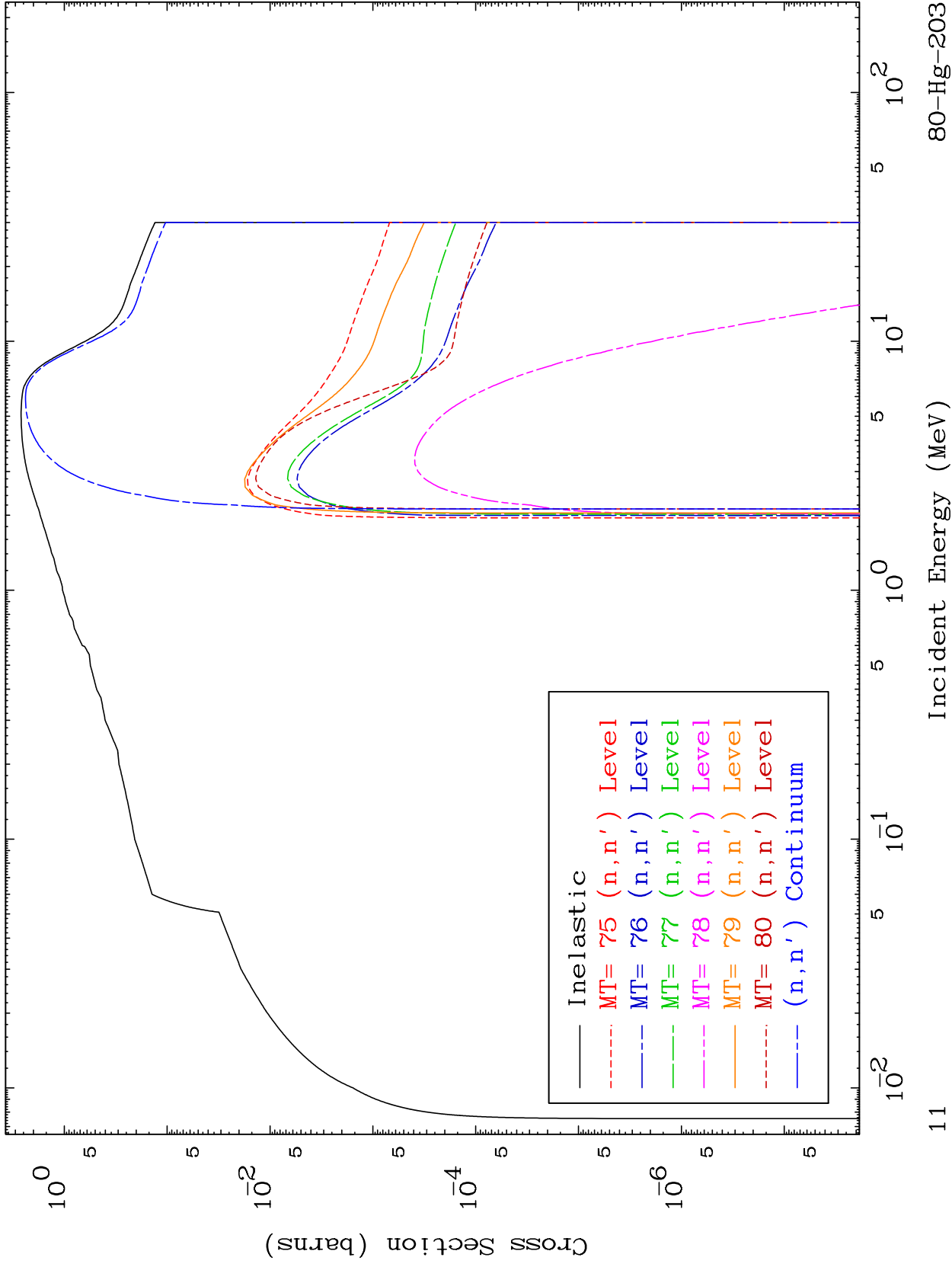


80-Hg-203

MAT 8046

293 Kelvin Cross Sections
(n,n') Levels

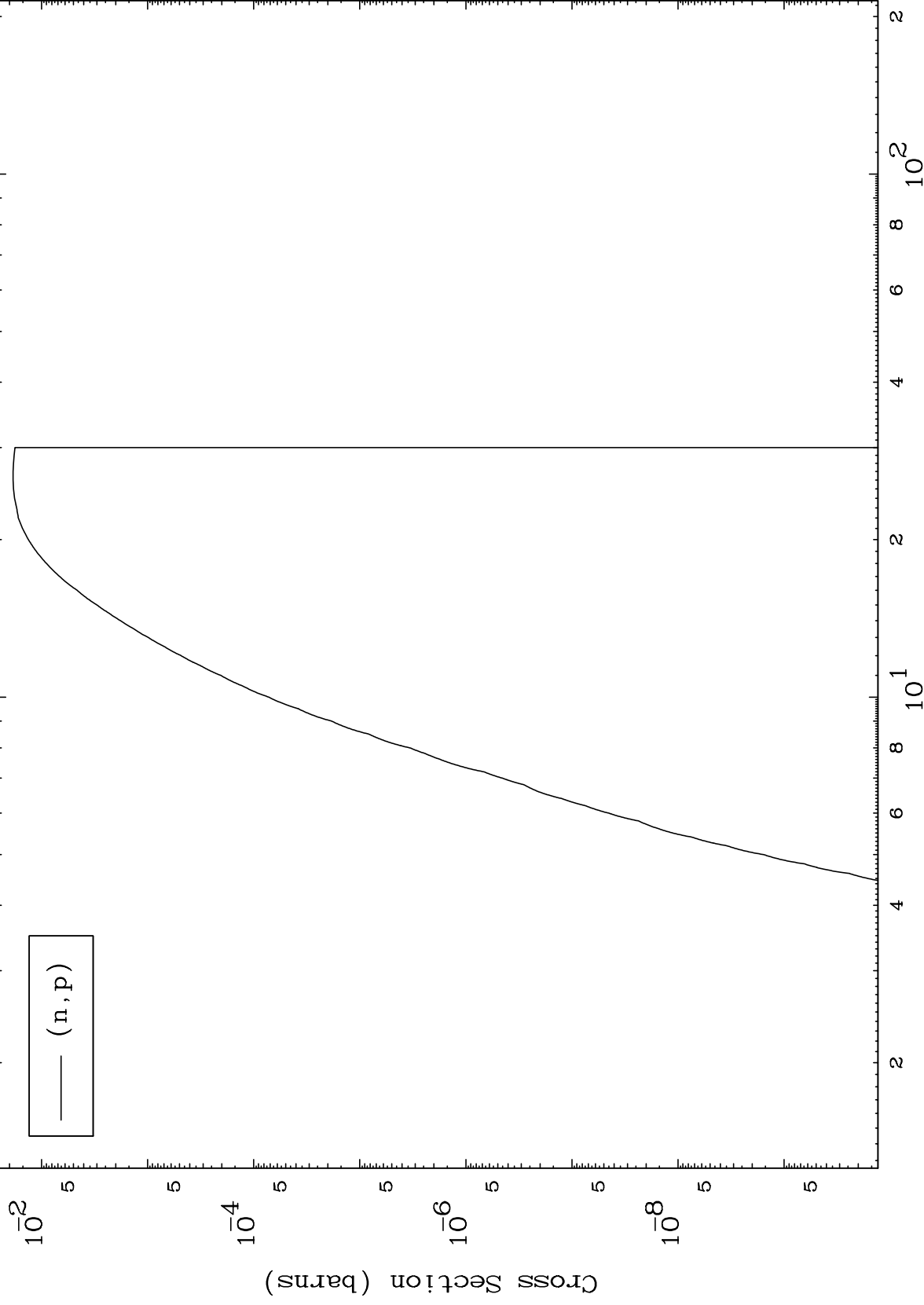
80-Hg-203



MAT 8046

(n,p) Levels
293 Kelvin Cross Sections

80-Hg-203



12

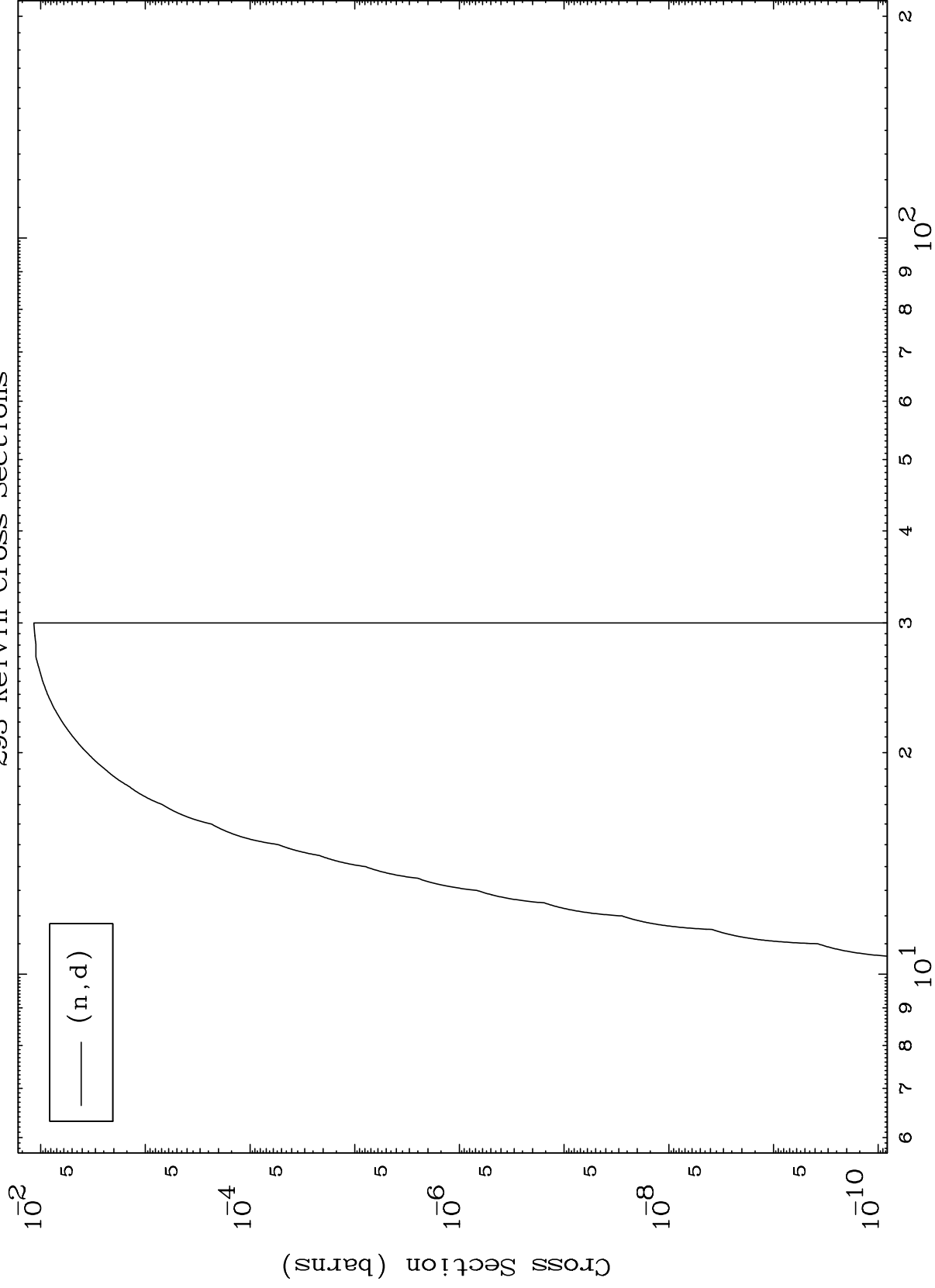
Incident Energy (MeV)

80-Hg-203

MAT 8046

(n,d) Levels
293 Kelvin Cross Sections

80-Hg-203



13

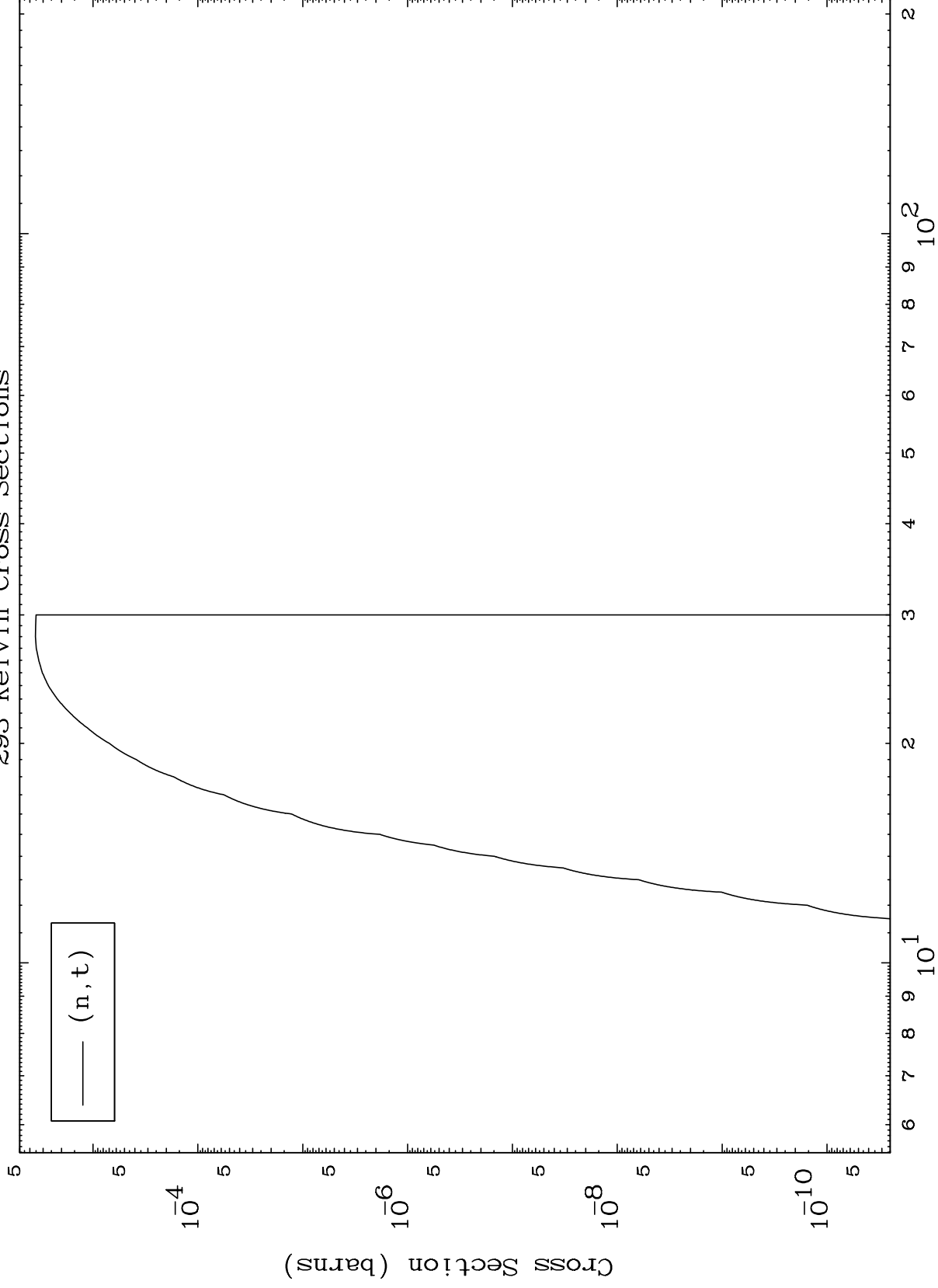
Incident Energy (MeV)

80-Hg-203

MAT 8046

(n, t) Levels
293 Kelvin Cross Sections

80-Hg-203



14

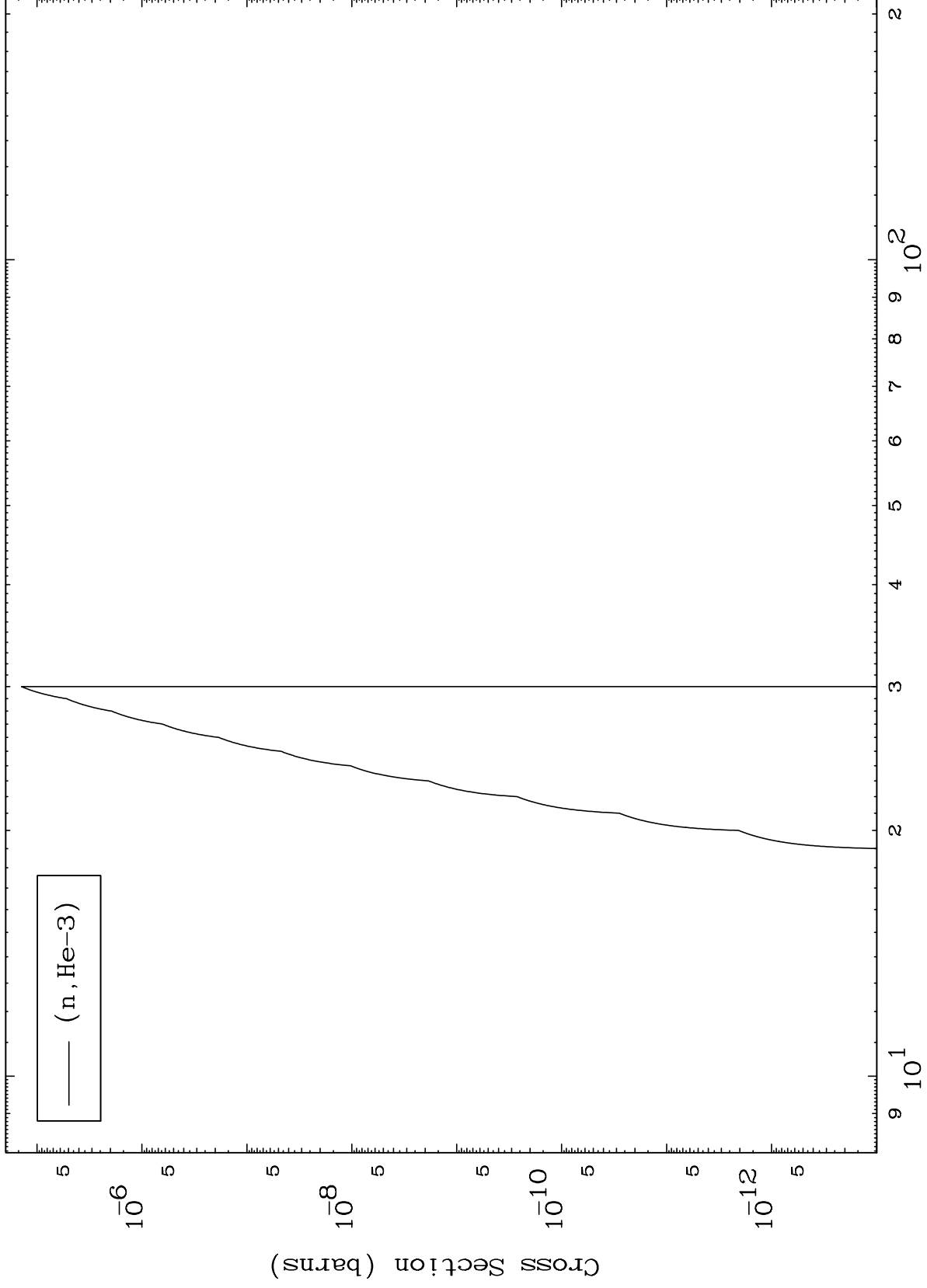
Incident Energy (MeV)

80-Hg-203

MAT 8046

(n,He3) Levels
293 Kelvin Cross Sections

80-Hg-203



15

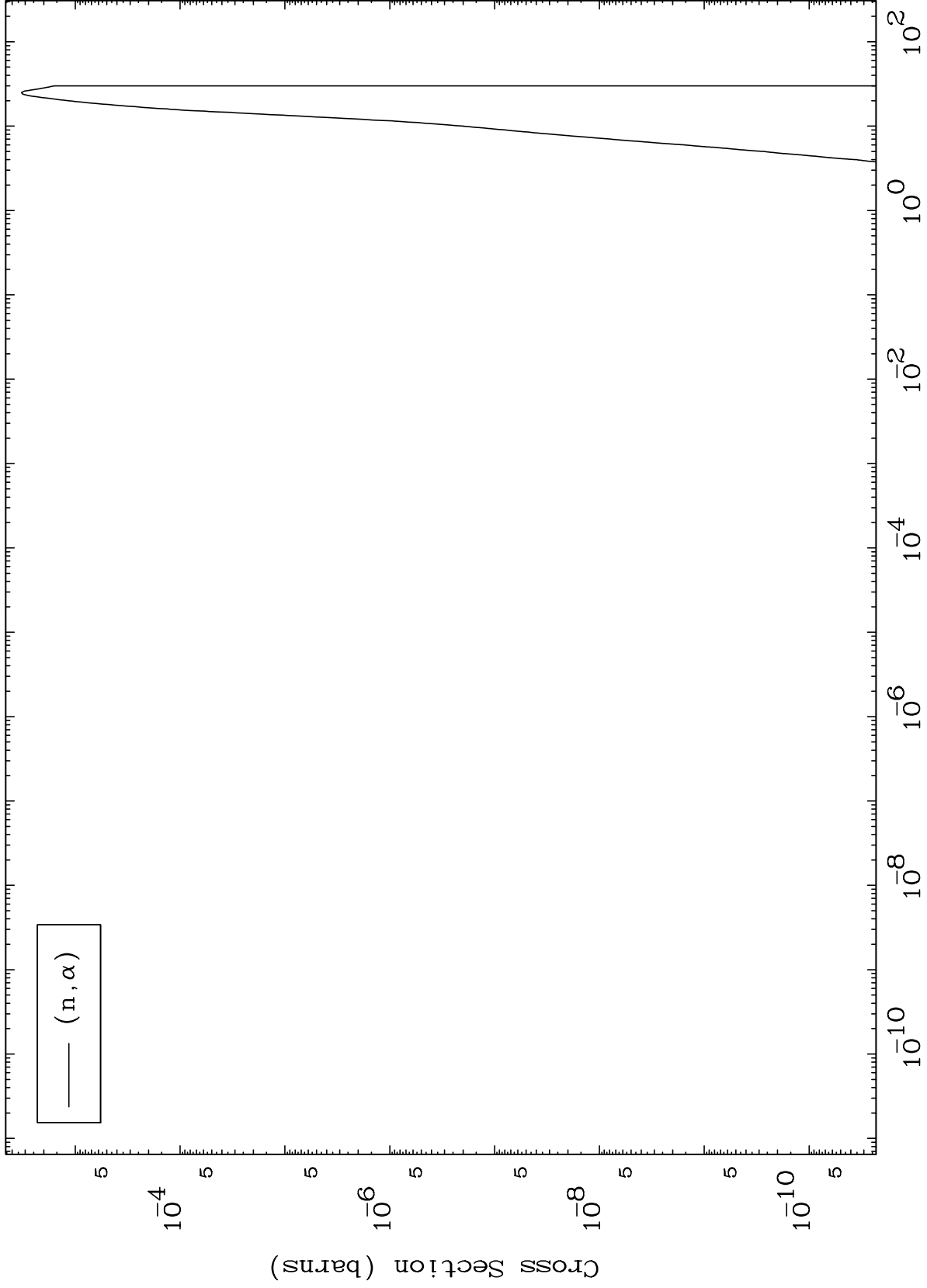
Incident Energy (MeV)

80-Hg-203

MAT 8046

(n, α) Levels
293 Kelvin Cross Sections

80-Hg-203



16

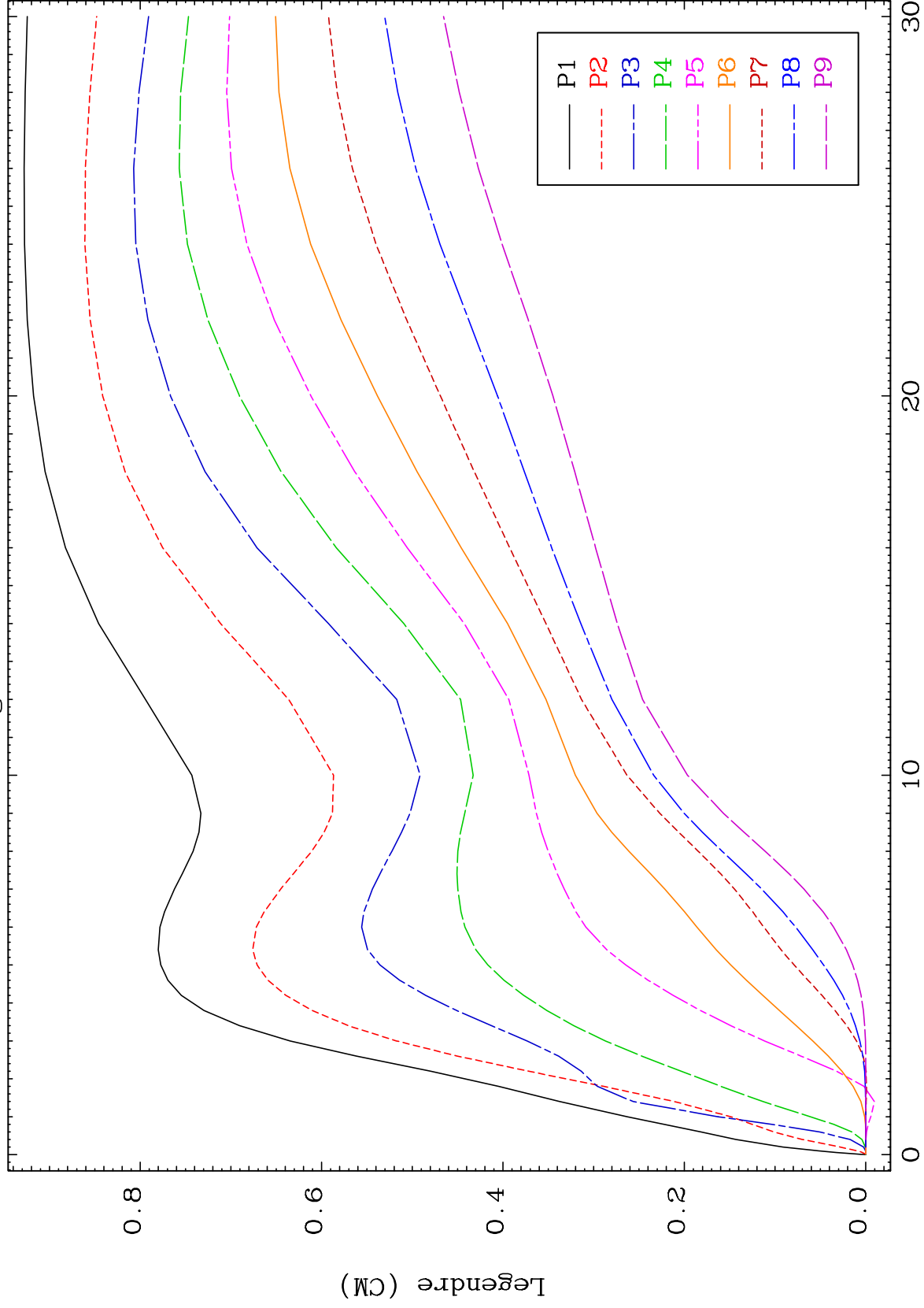
Incident Energy (MeV)

80-Hg-203

MAT 8046

Elastic Legendre Coefficients

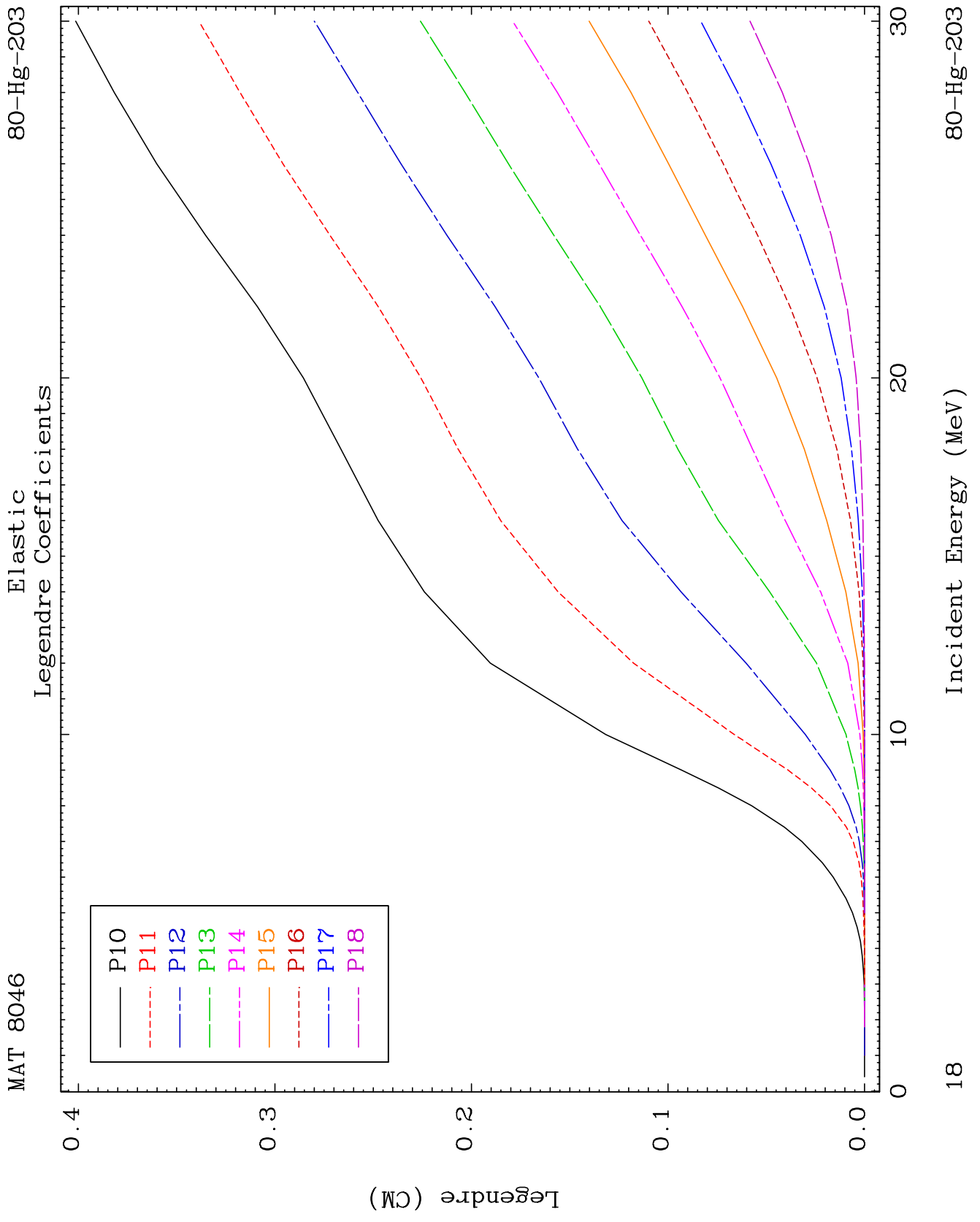
80-Hg-203



17

Incident Energy (MeV)

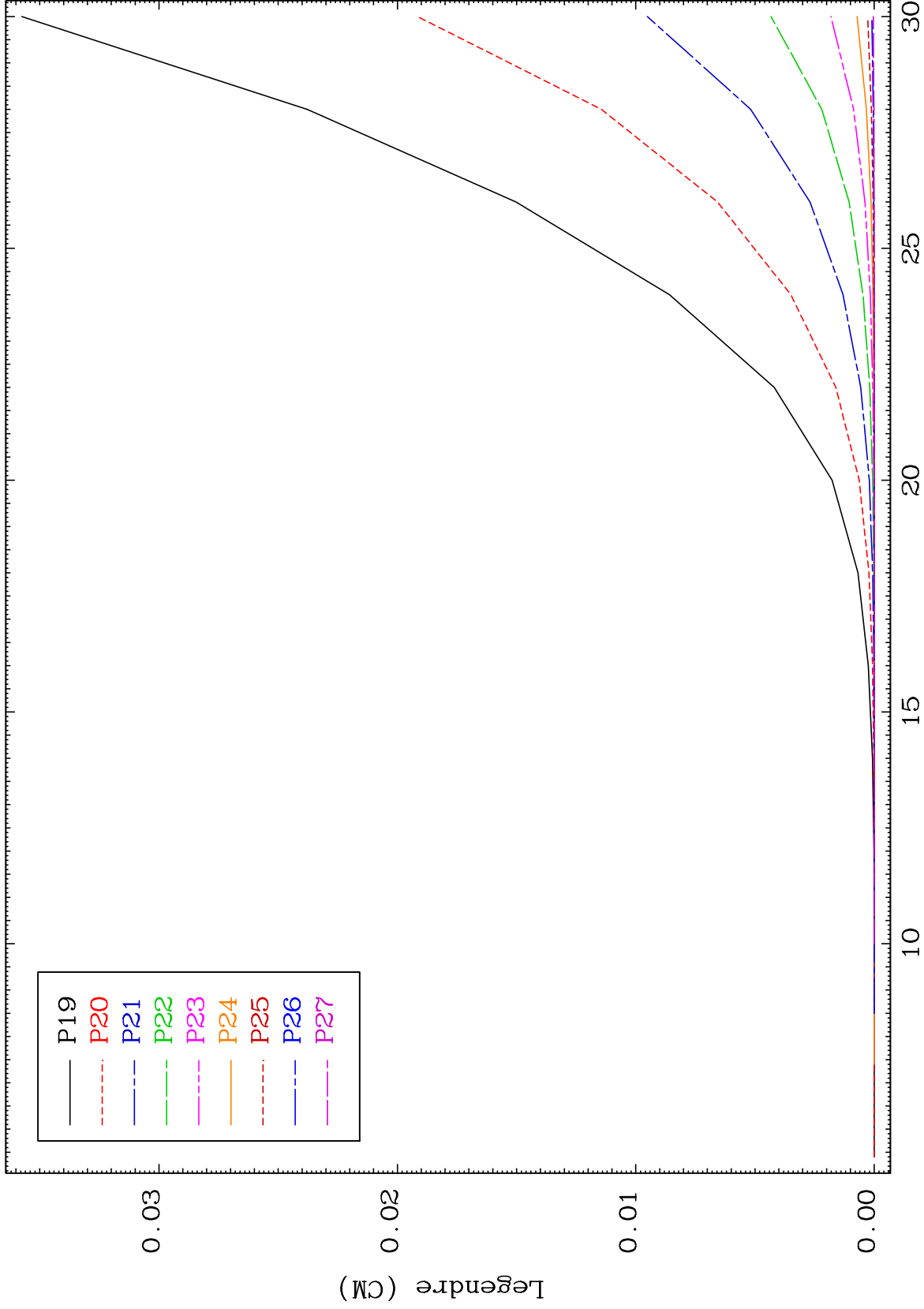
80-Hg-203



MAT 8046

Elastic
Legendre Coefficients

80-Hg-203



19

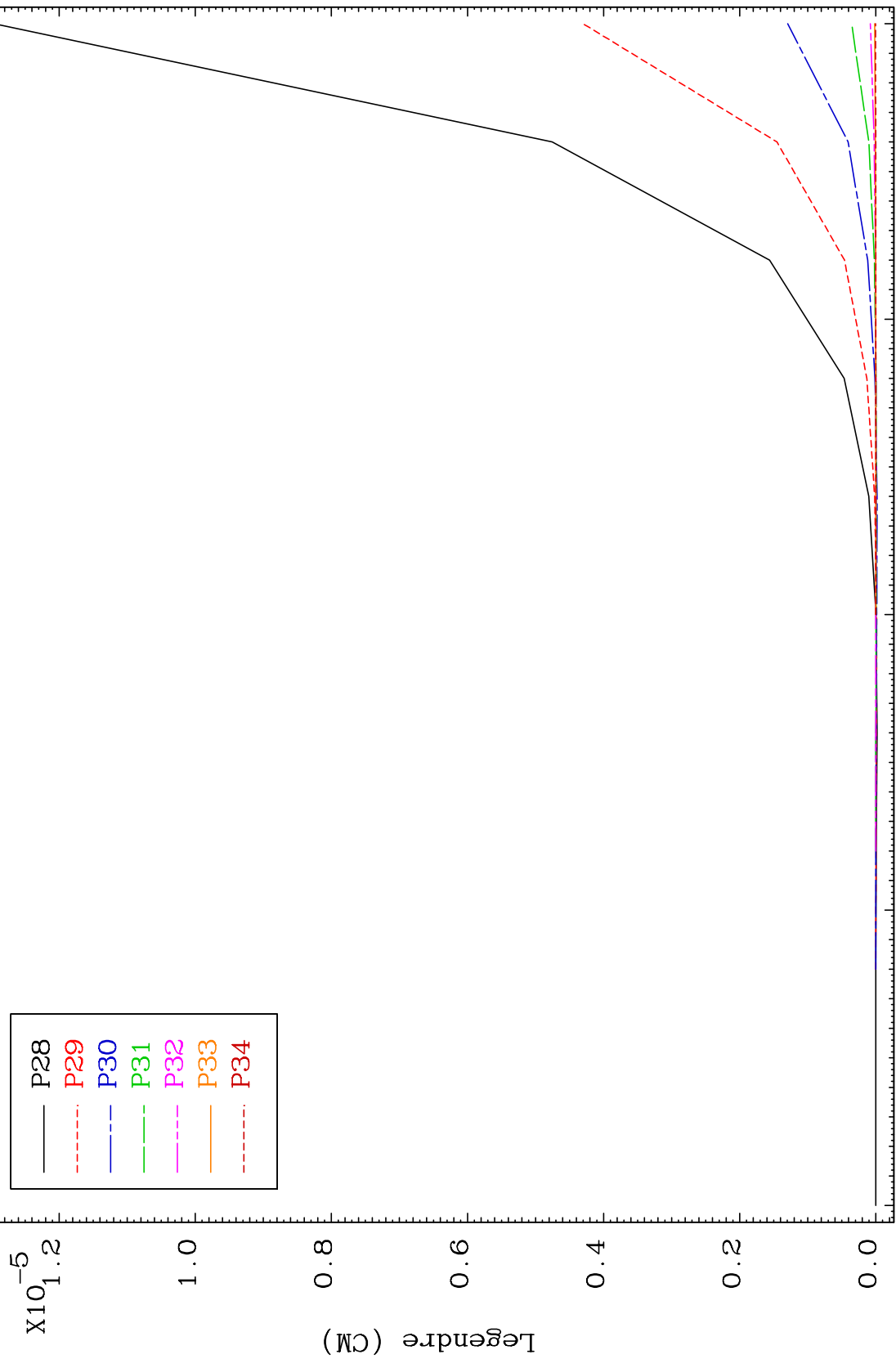
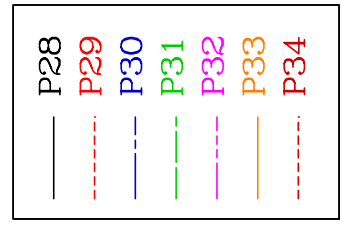
Incident Energy (MeV)

80-Hg-203

MAT 8046

Elastic Legendre Coefficients

80-Hg-203



80-Hg-203

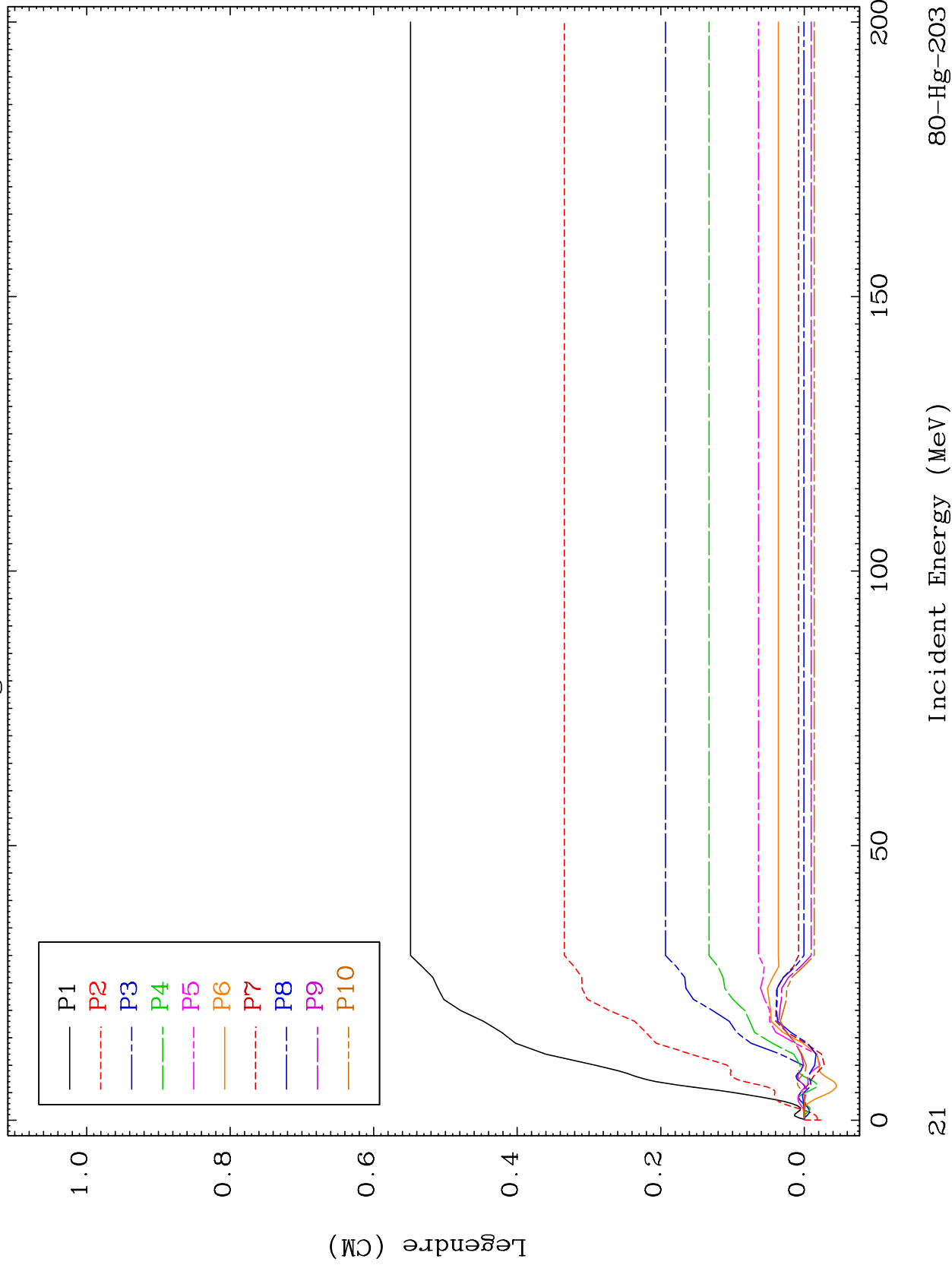
Incident Energy (MeV)

20

MAT 8046

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

80-Hg-203

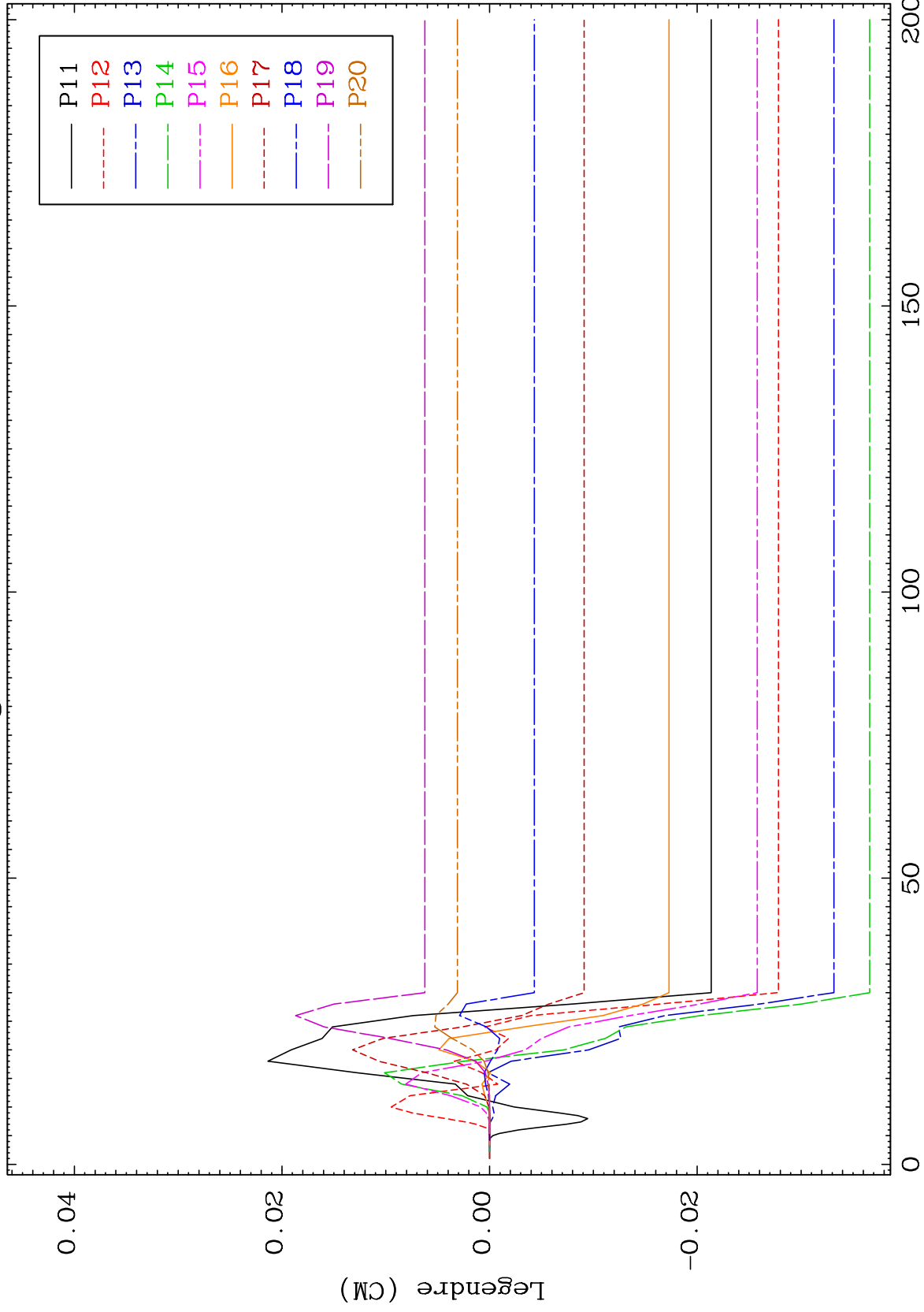


21

MAT 8046

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

80-Hg-203



22

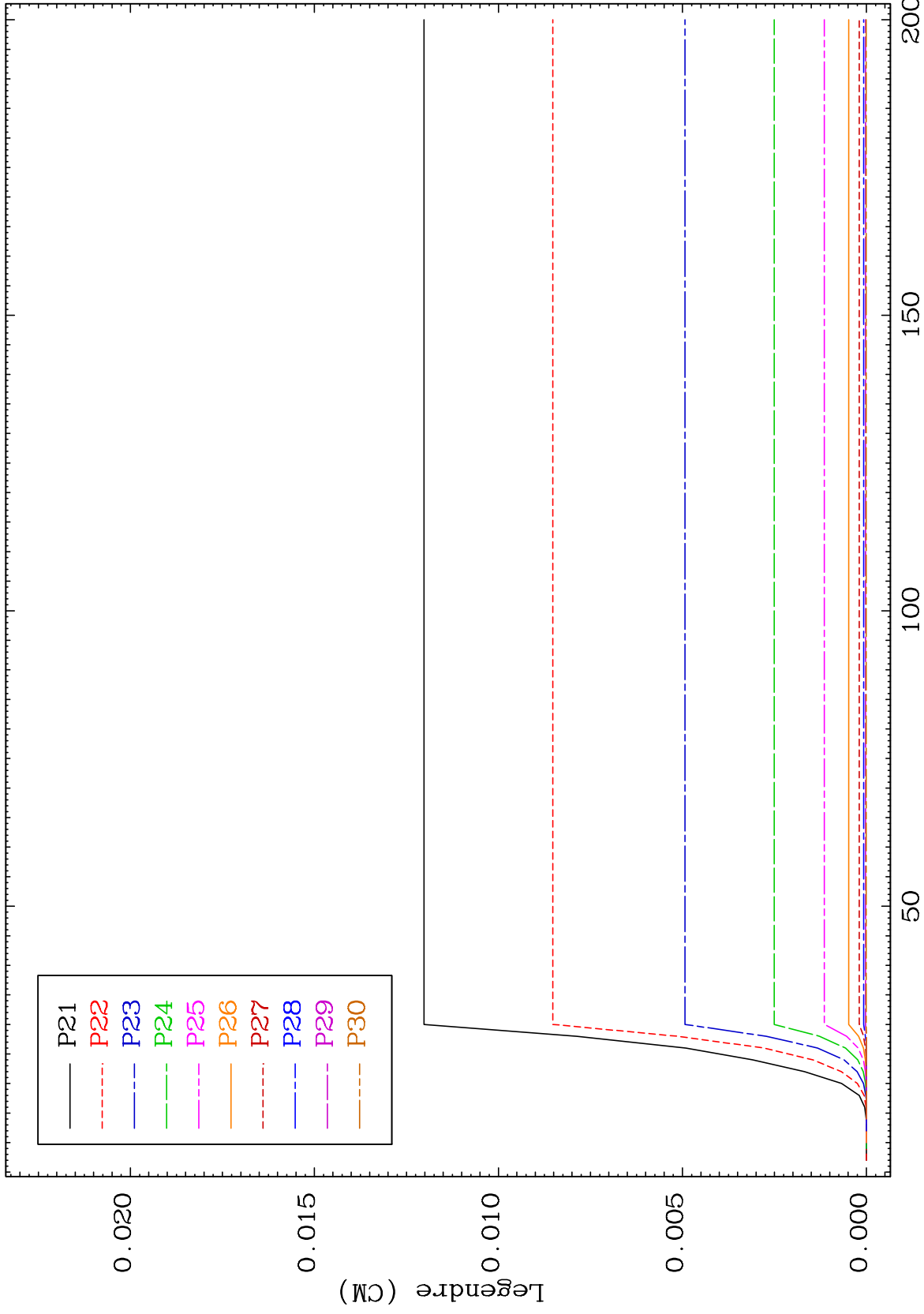
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

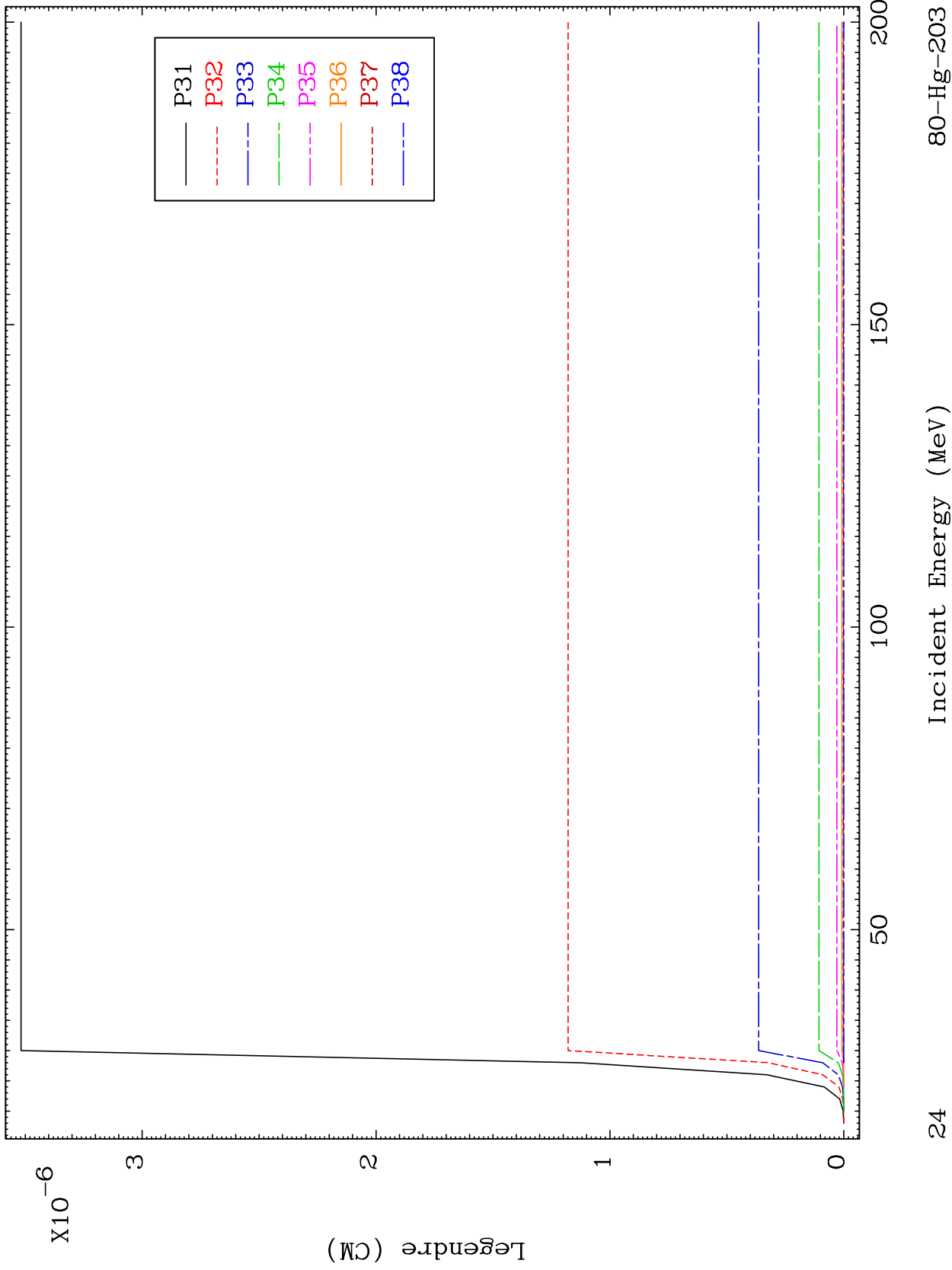
80-Hg-203



MAT 8046

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

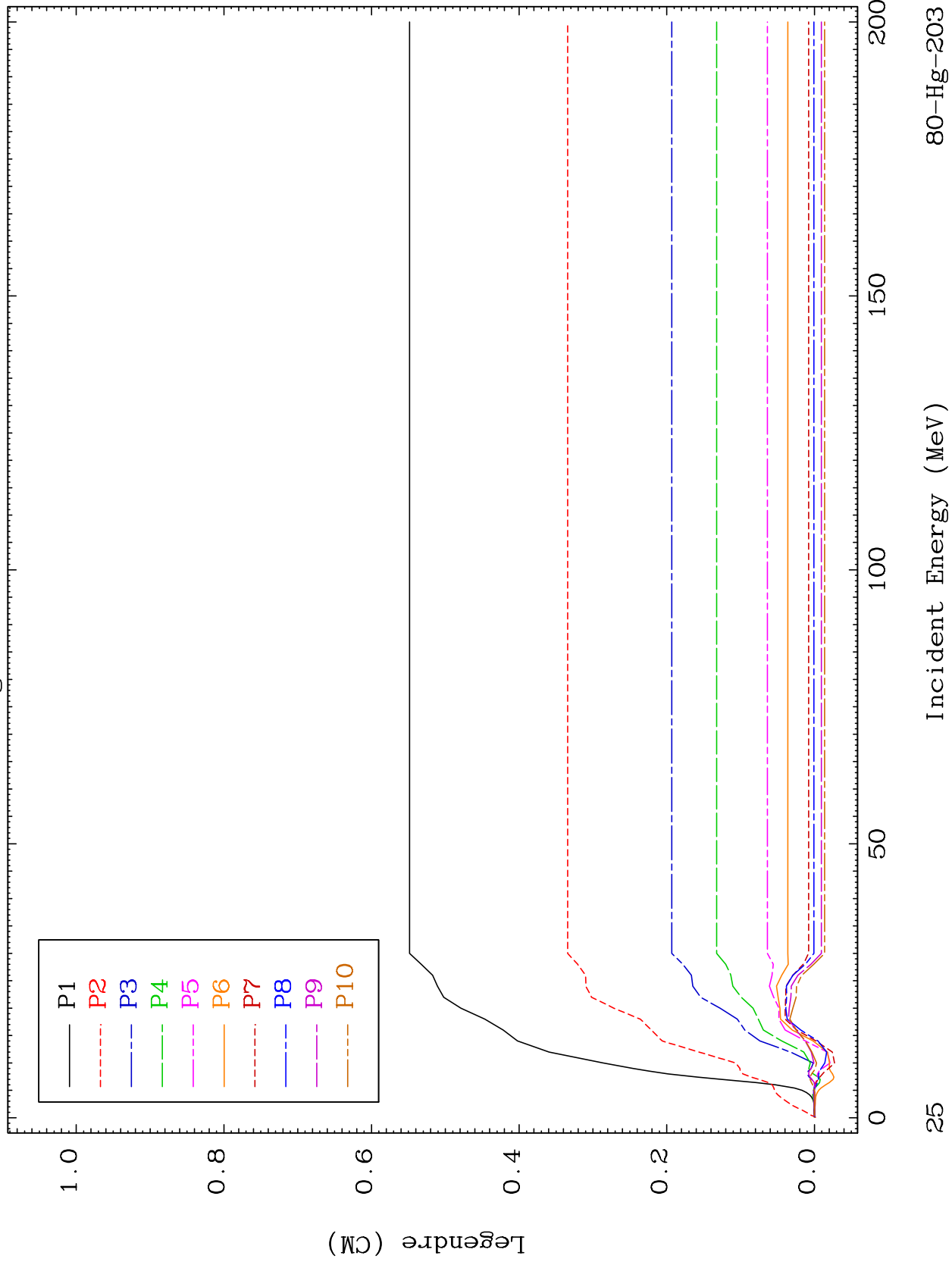
80-Hg-203



MAT 8046

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

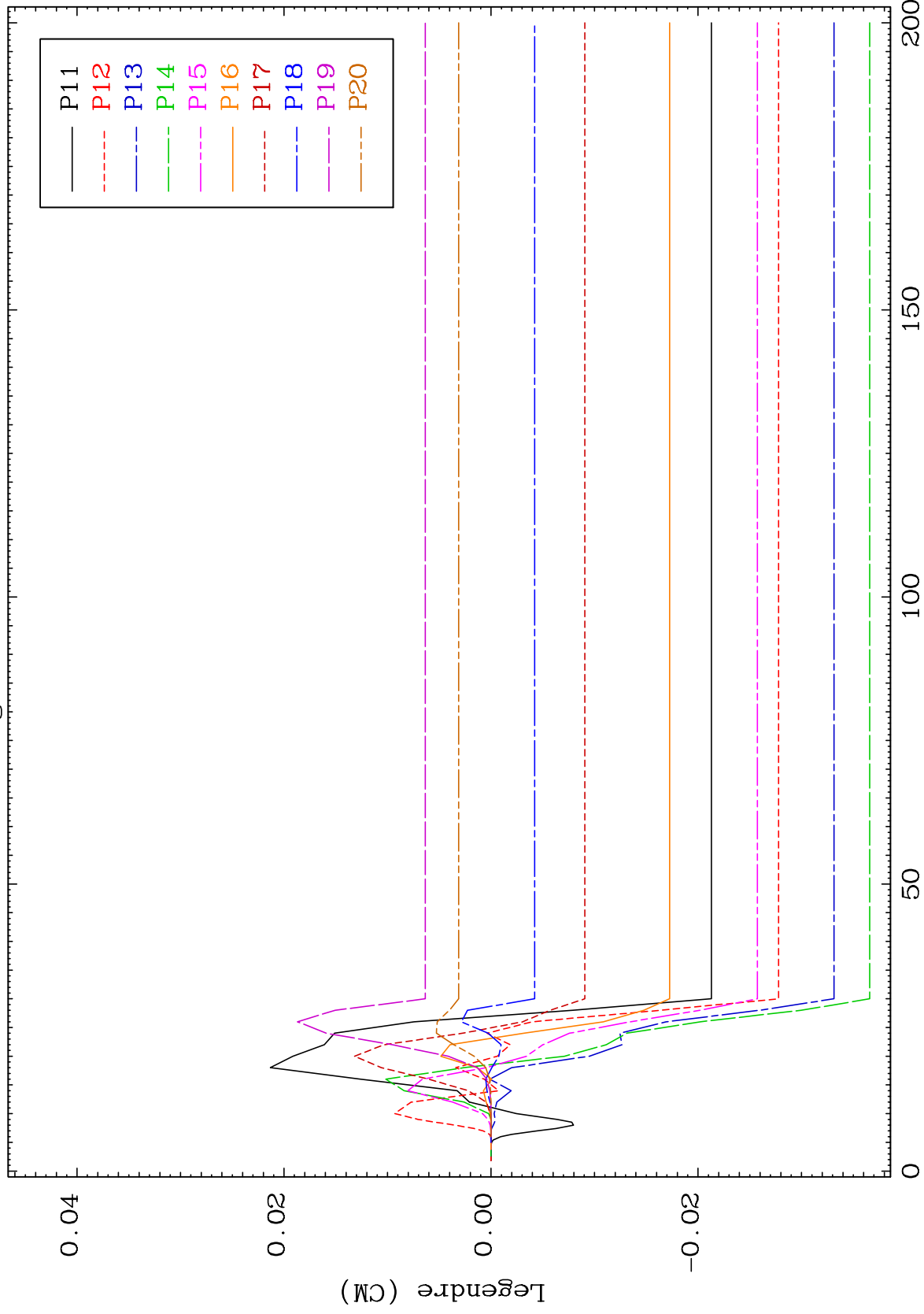
80-Hg-203



MAT 8046

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

80-Hg-203



26

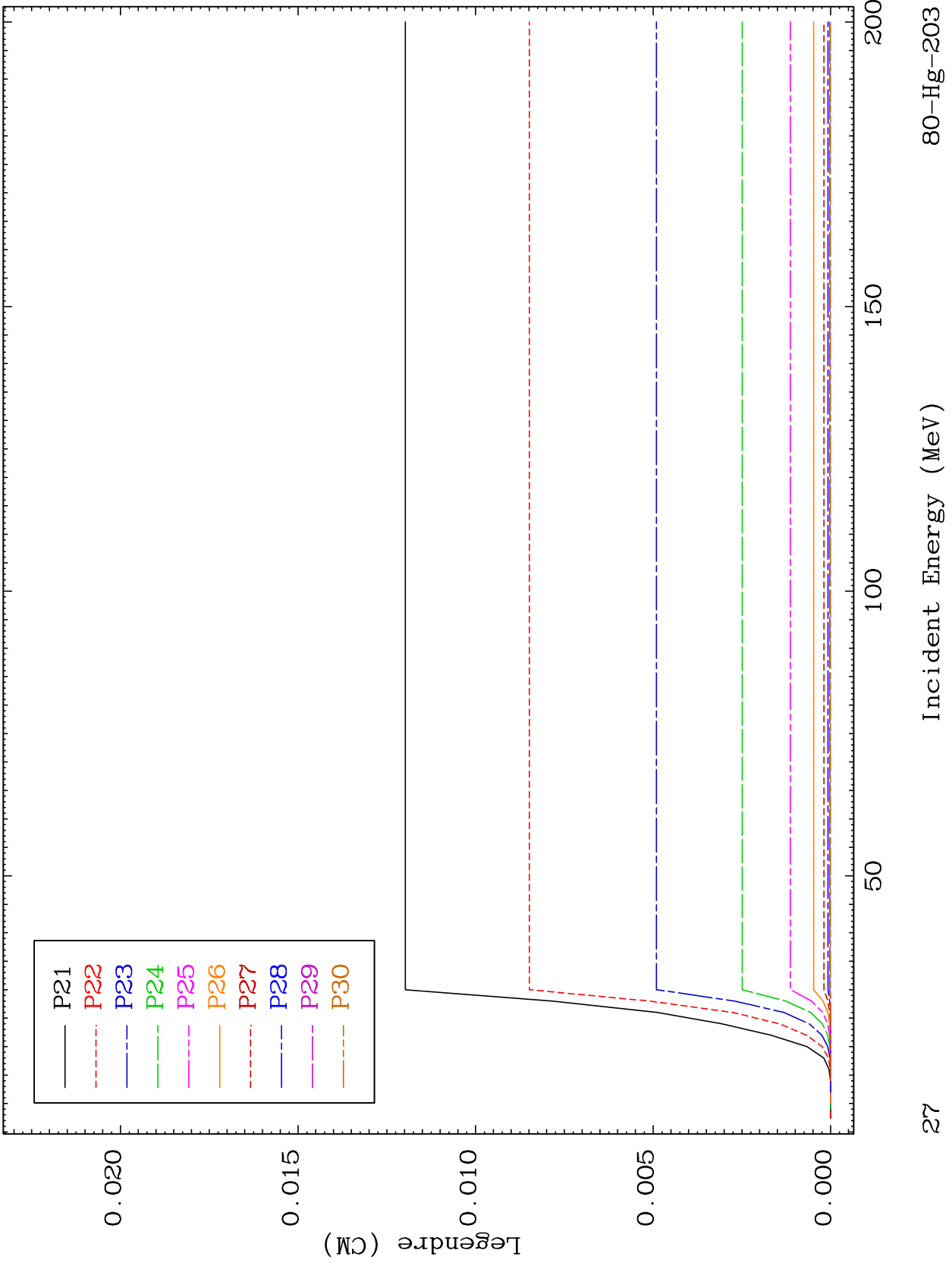
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

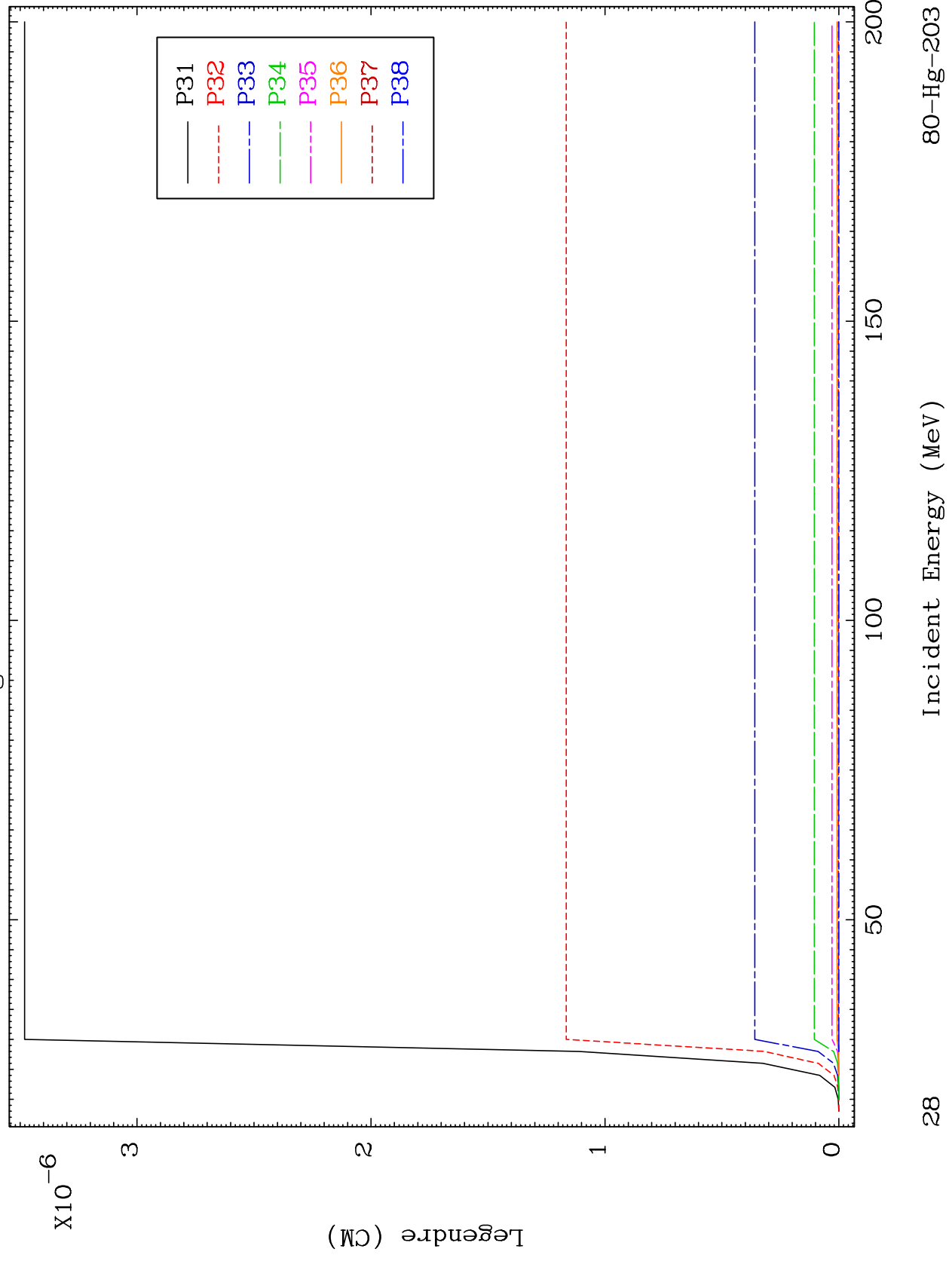
80-Hg-203



MAT 8046

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

80-Hg-203



28

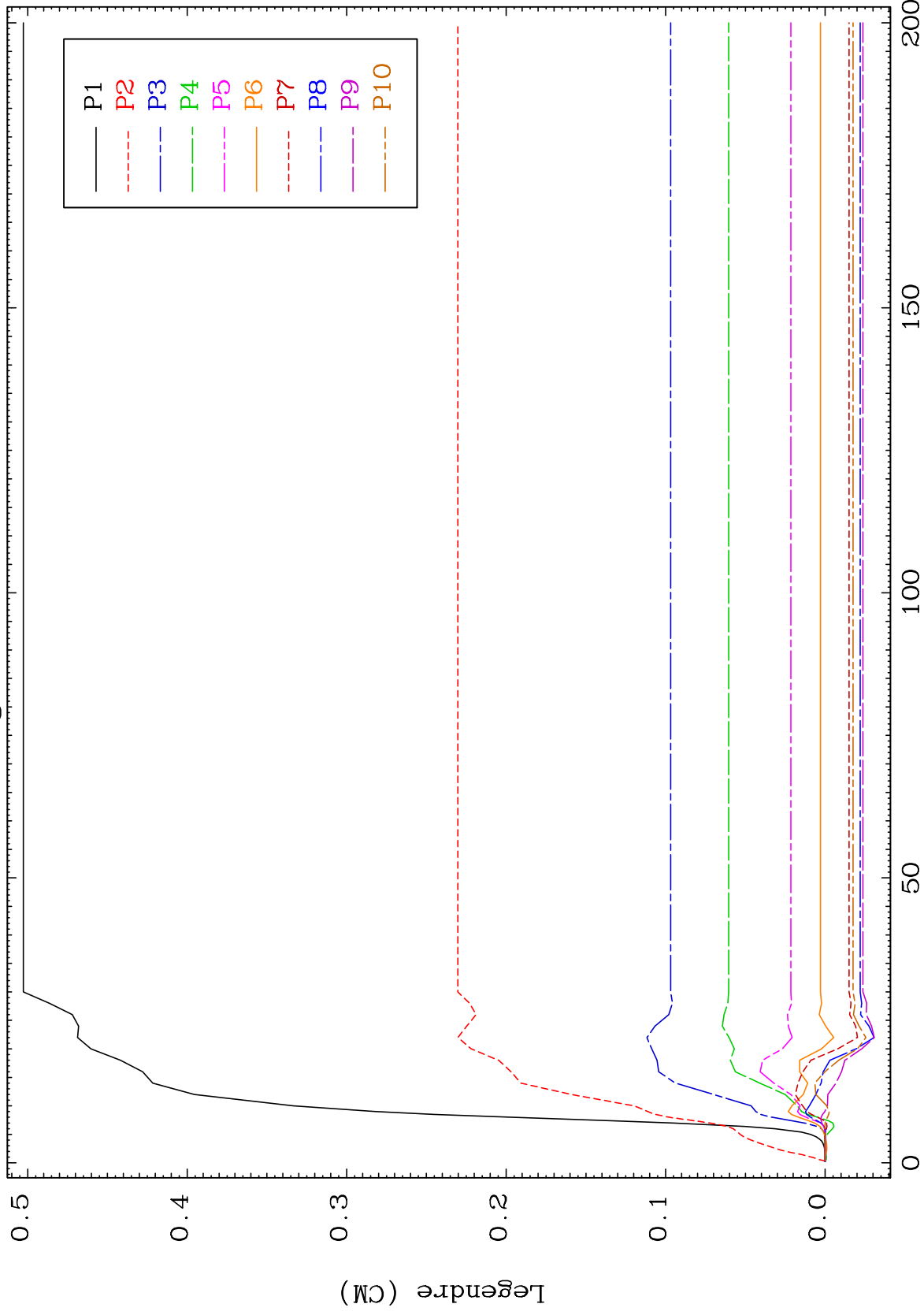
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



29

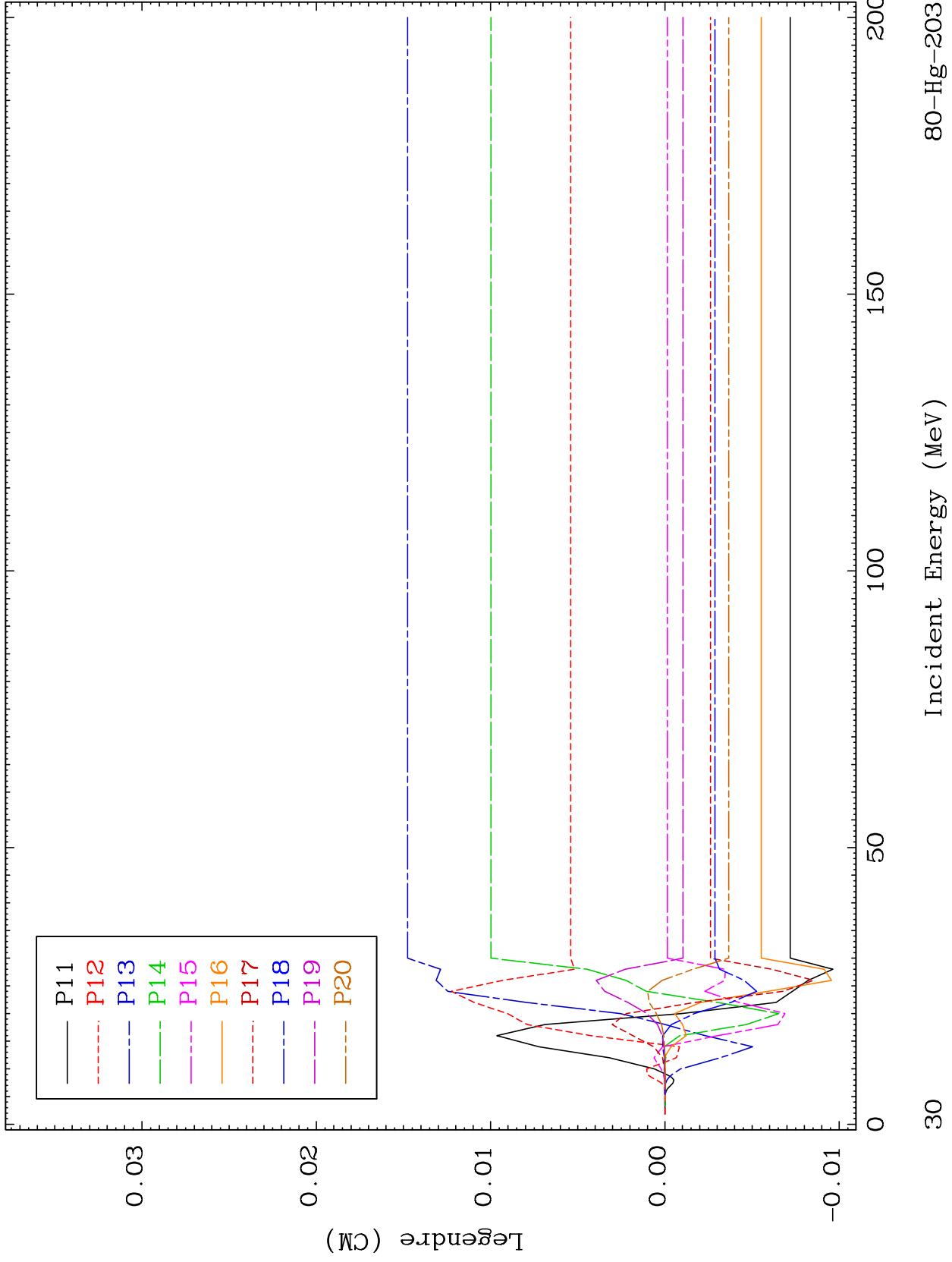
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

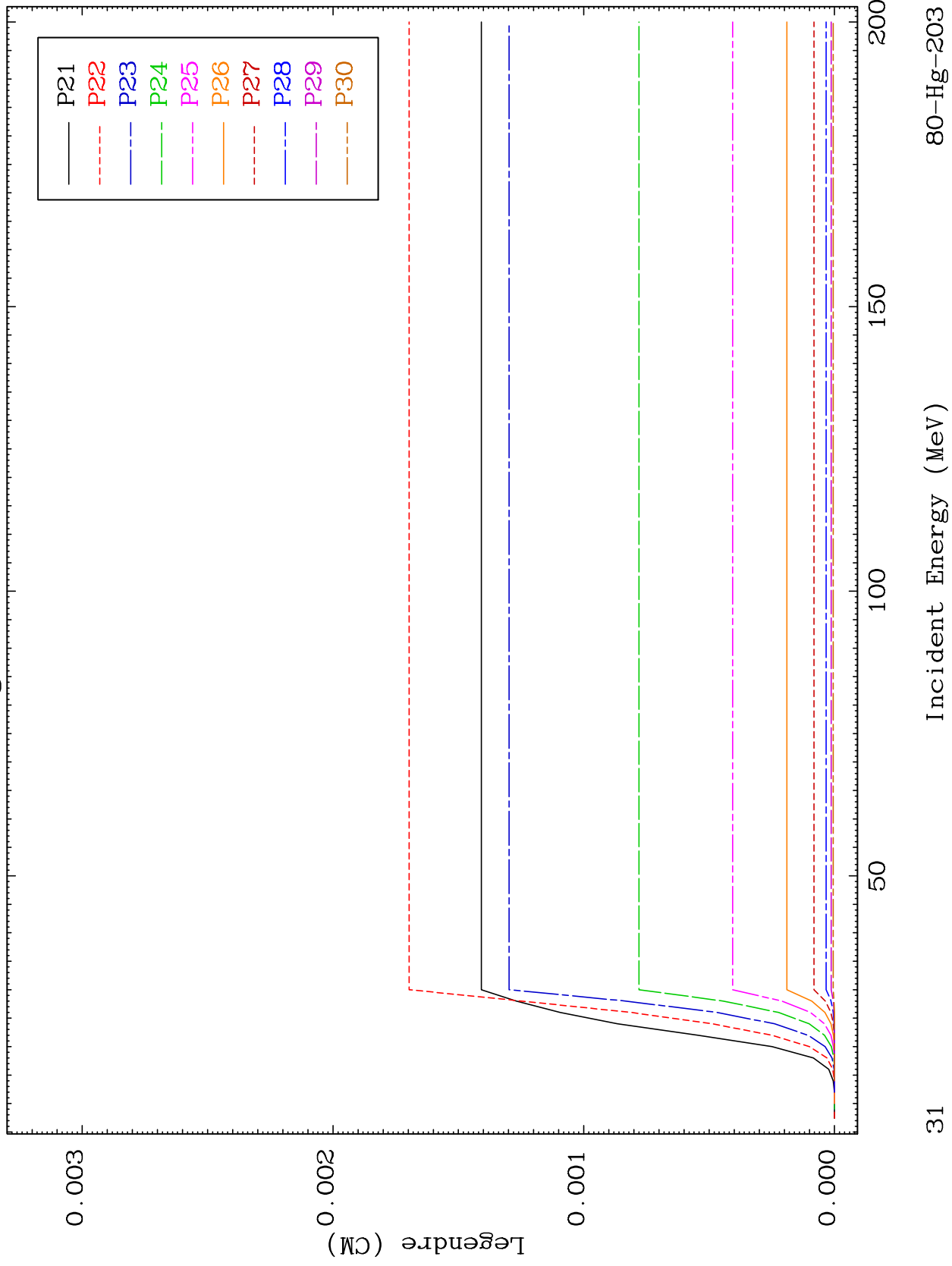
80-Hg-203



MAT 8046

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

80-Hg-203



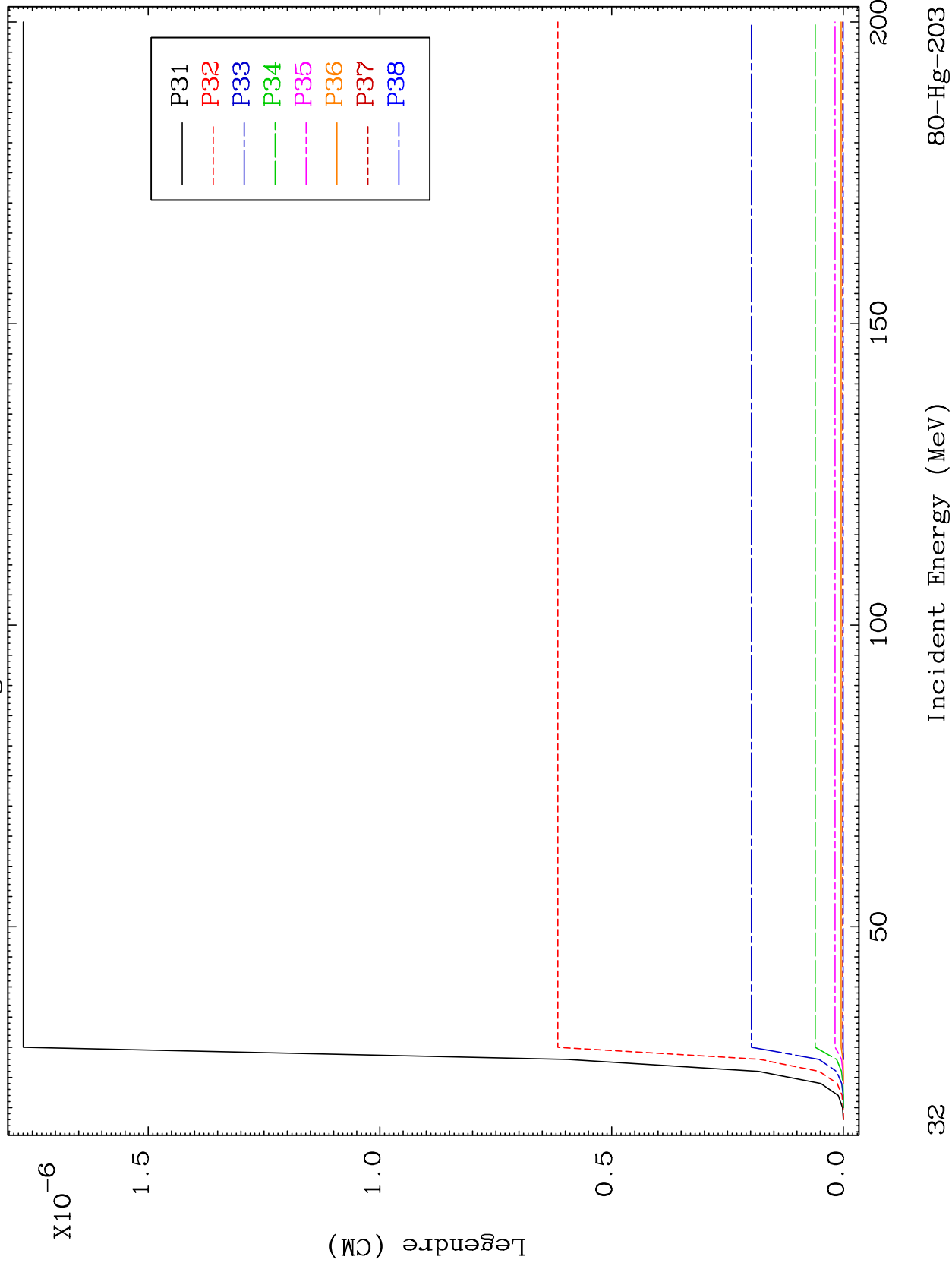
31

80-Hg-203

MAT 8046

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

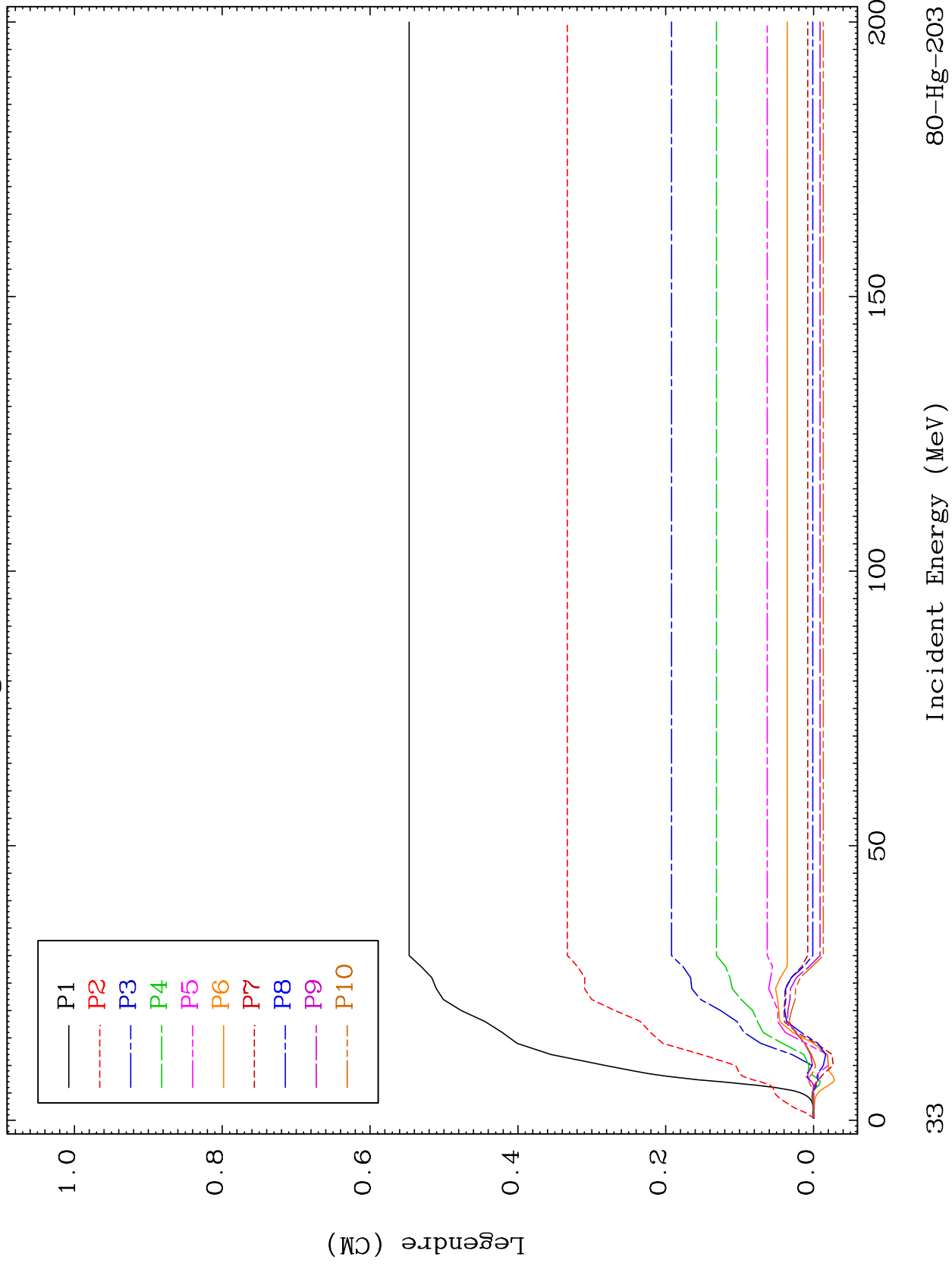
80-Hg-203



MAT 8046

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

80-Hg-203



33

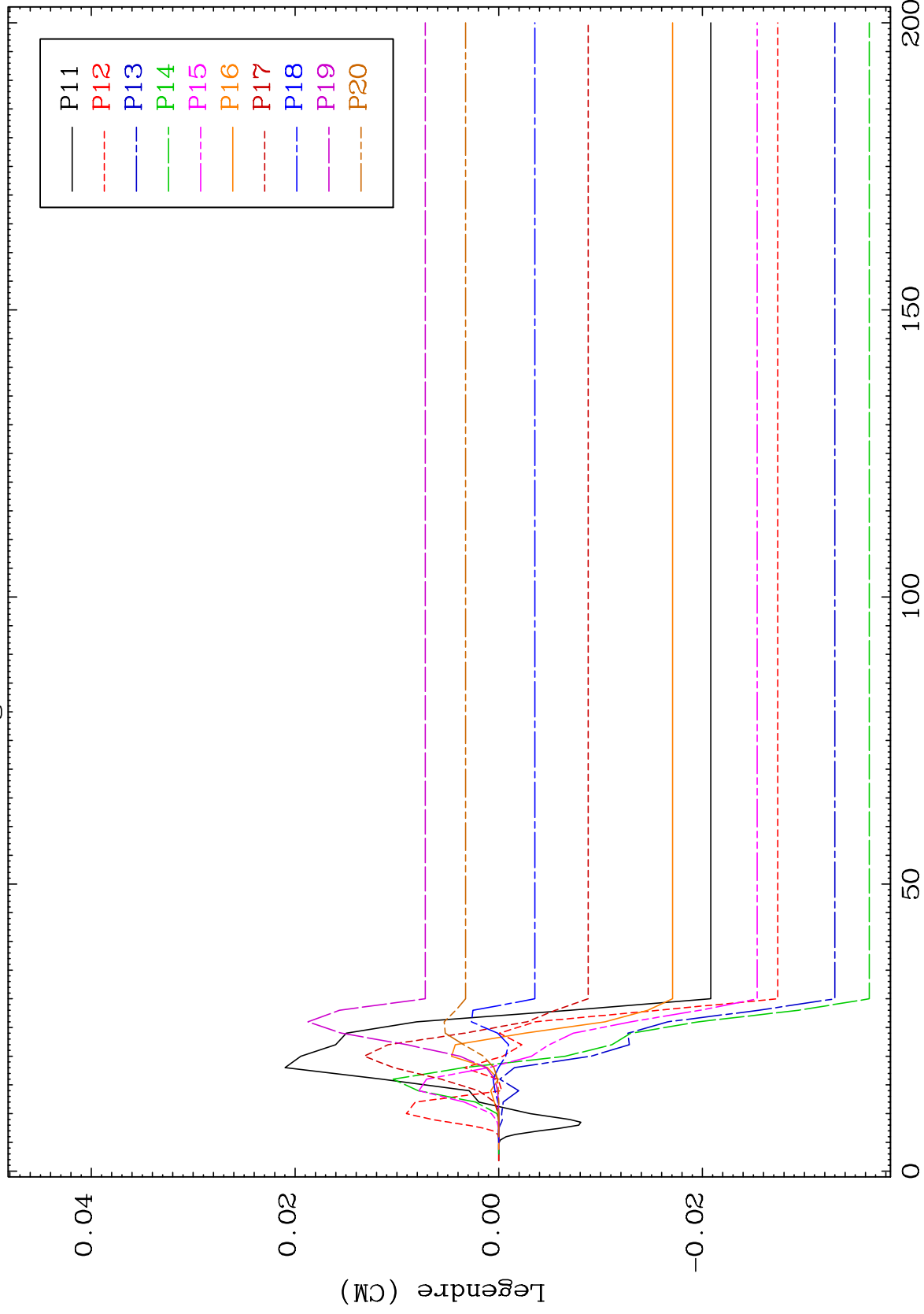
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



34

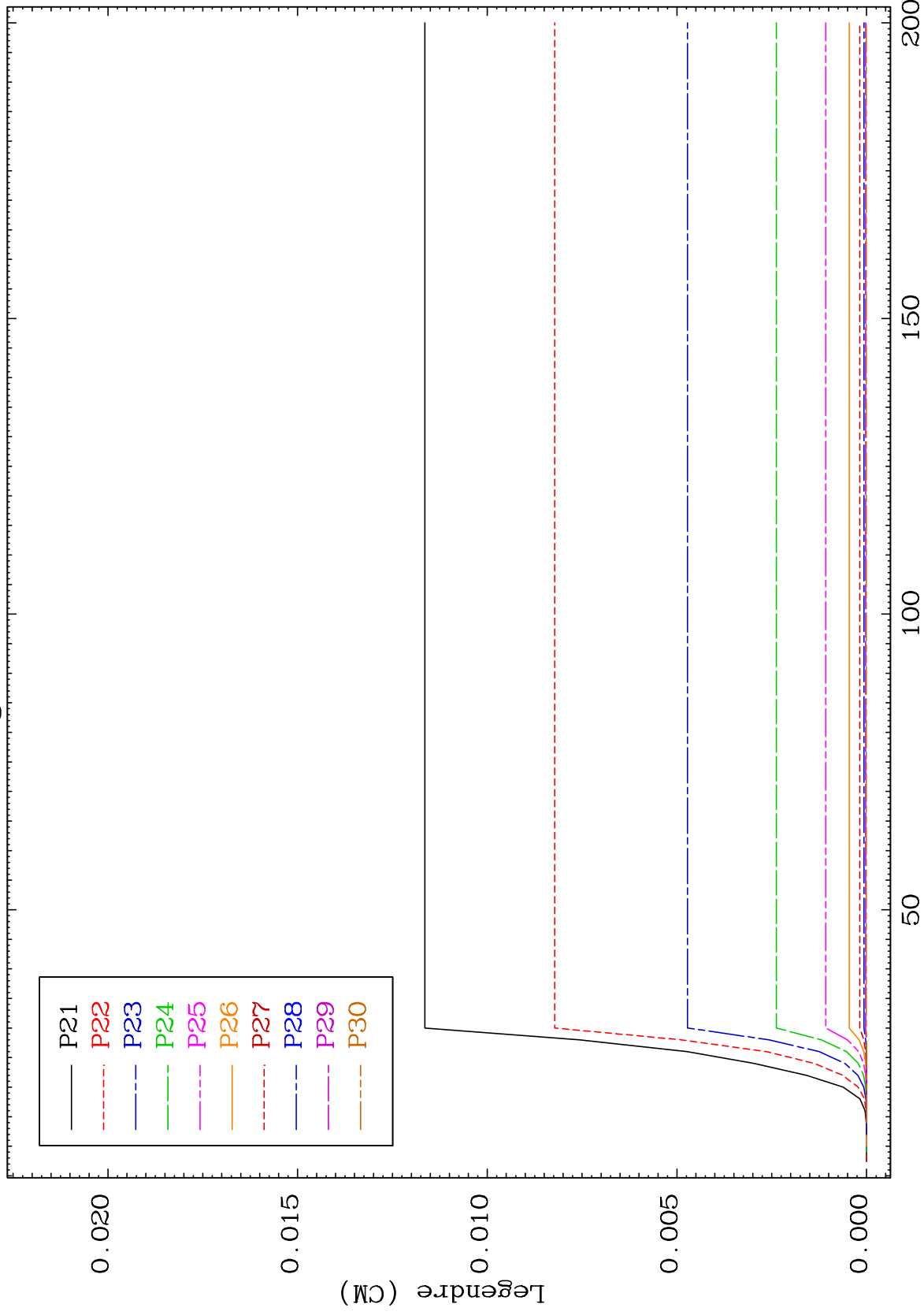
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



35

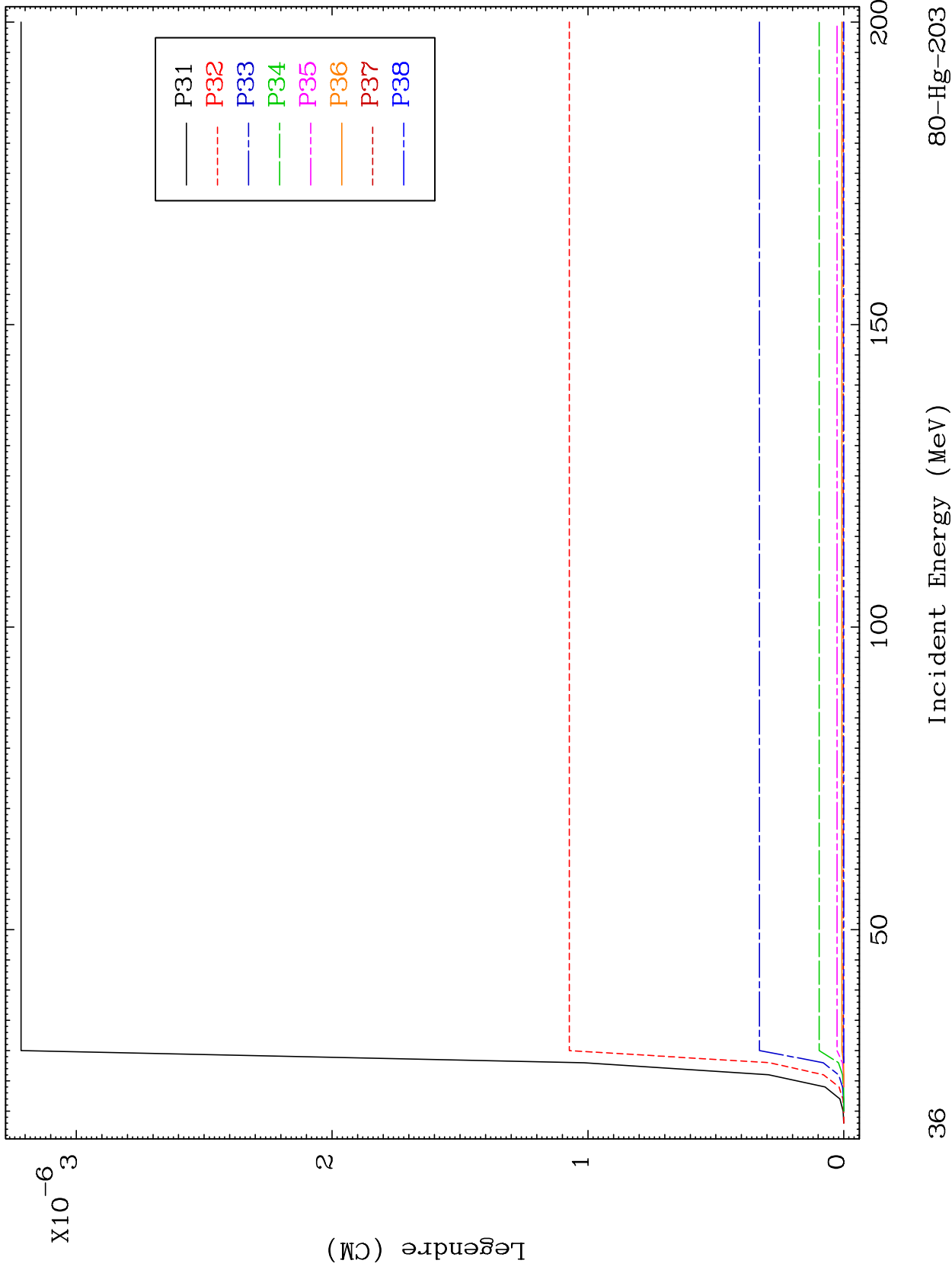
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

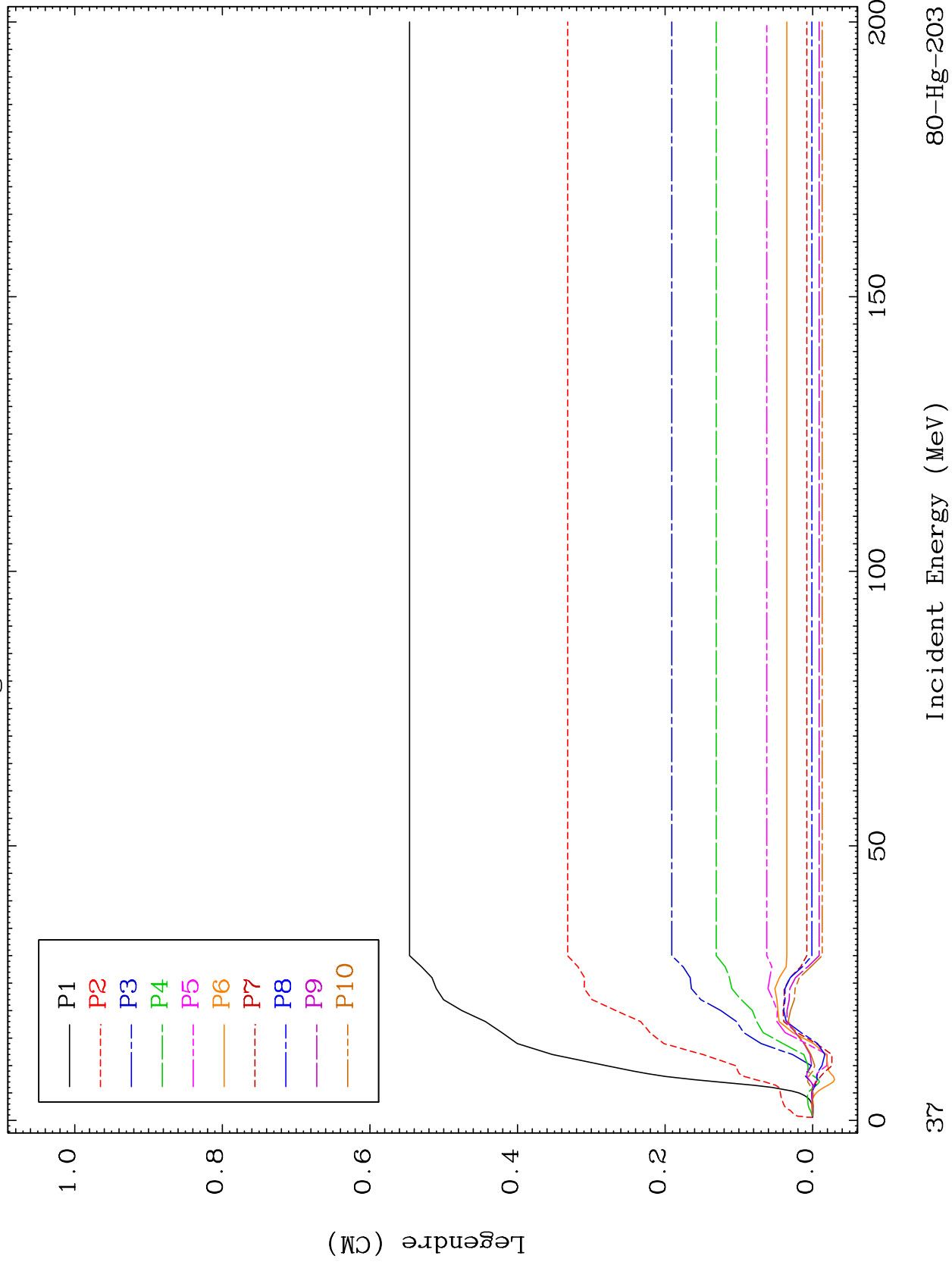
80-Hg-203



MAT 8046

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

80-Hg-203



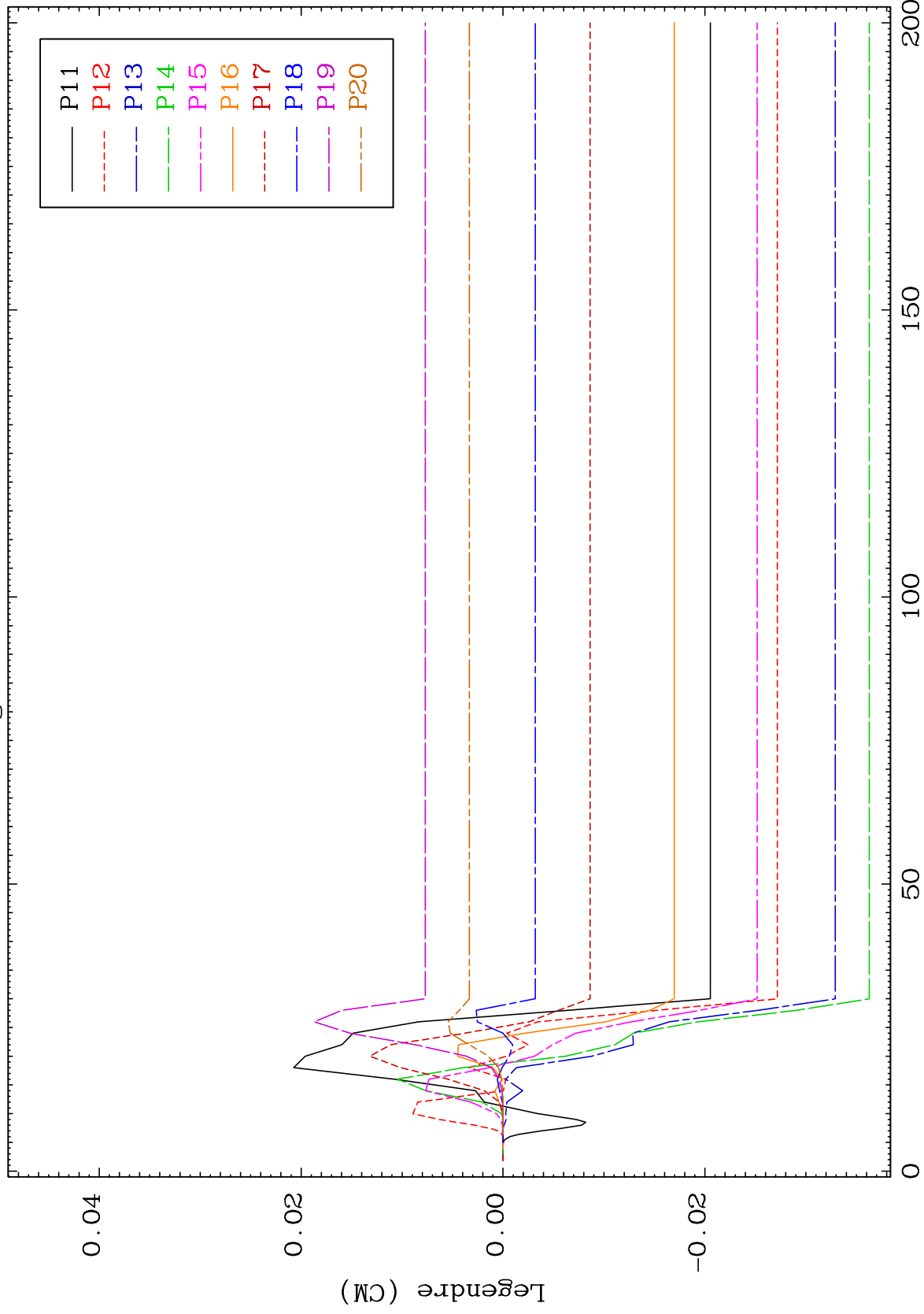
37

80-Hg-203

MAT 8046

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

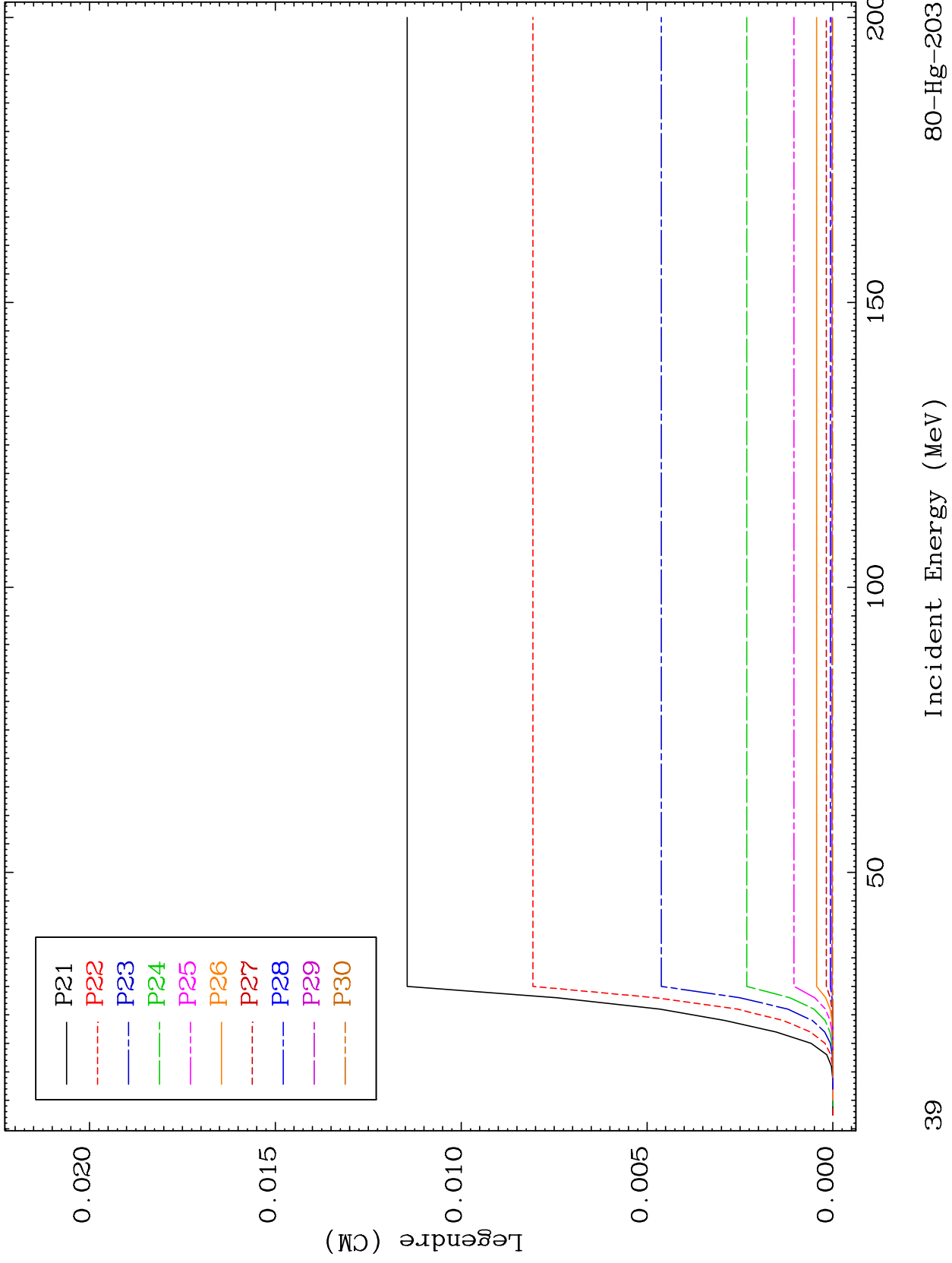
80-Hg-203



38

Incident Energy (MeV)

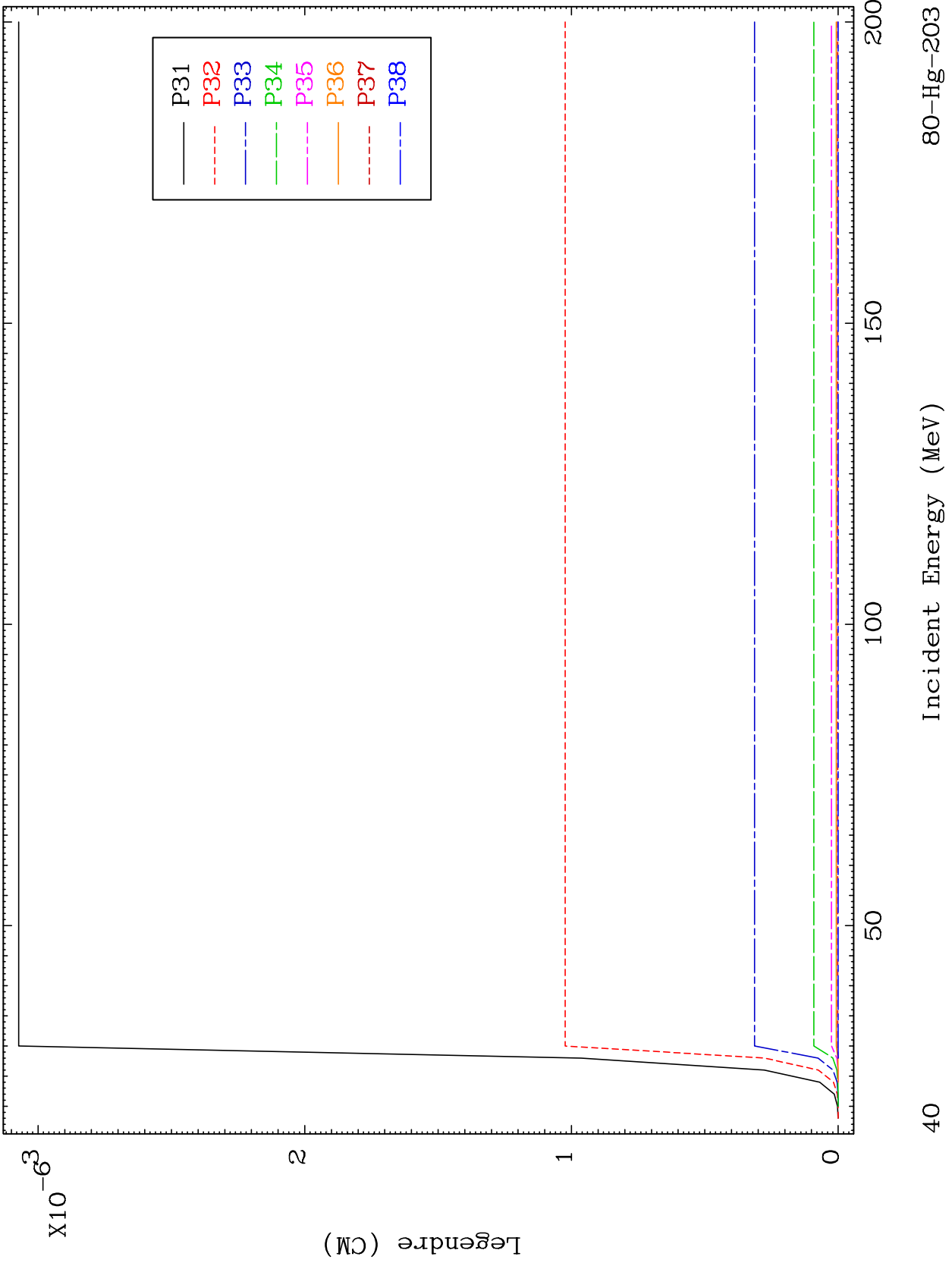
80-Hg-203



MAT 8046

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

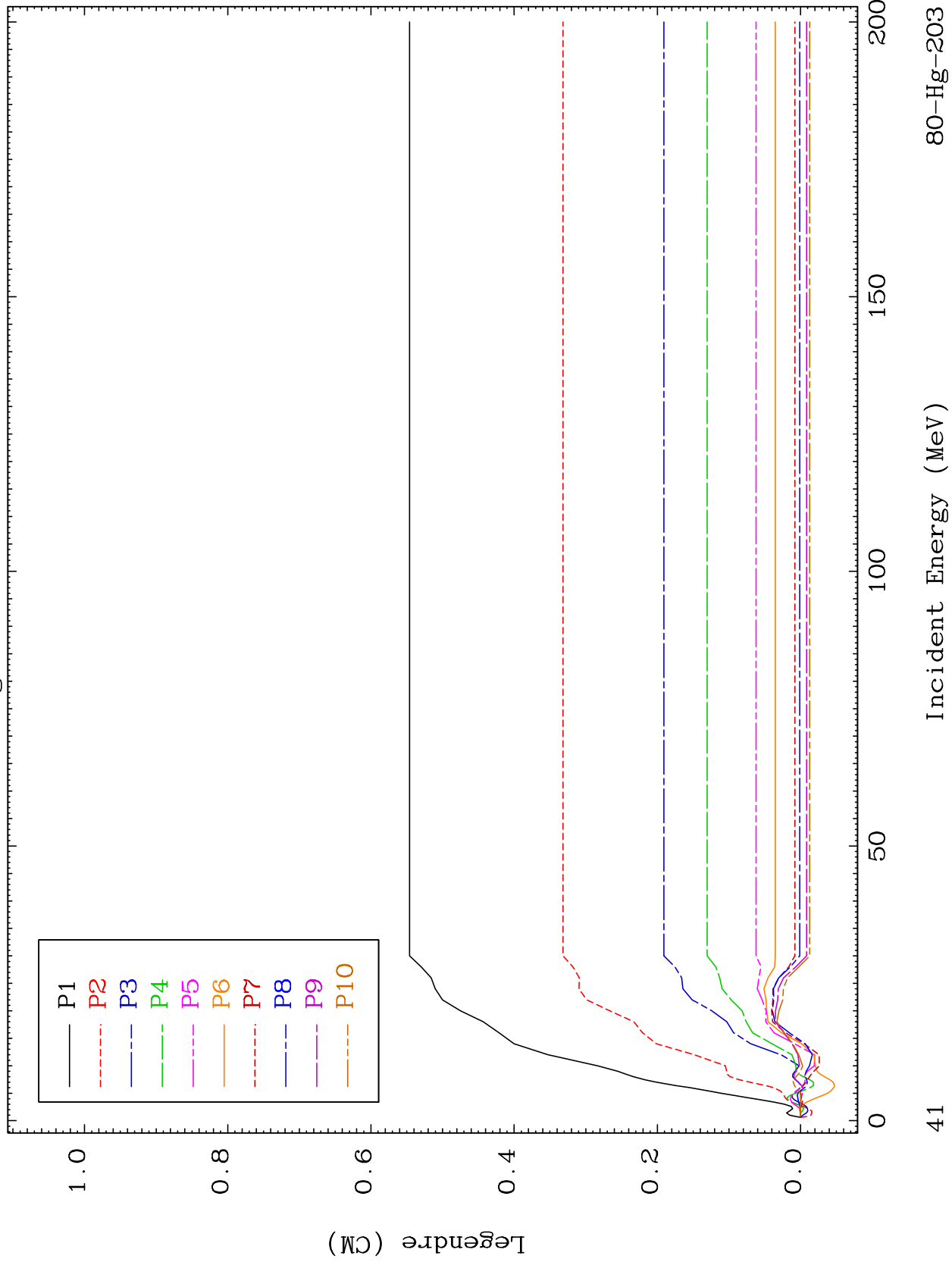
80-Hg-203



MAT 8046

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

80-Hg-203

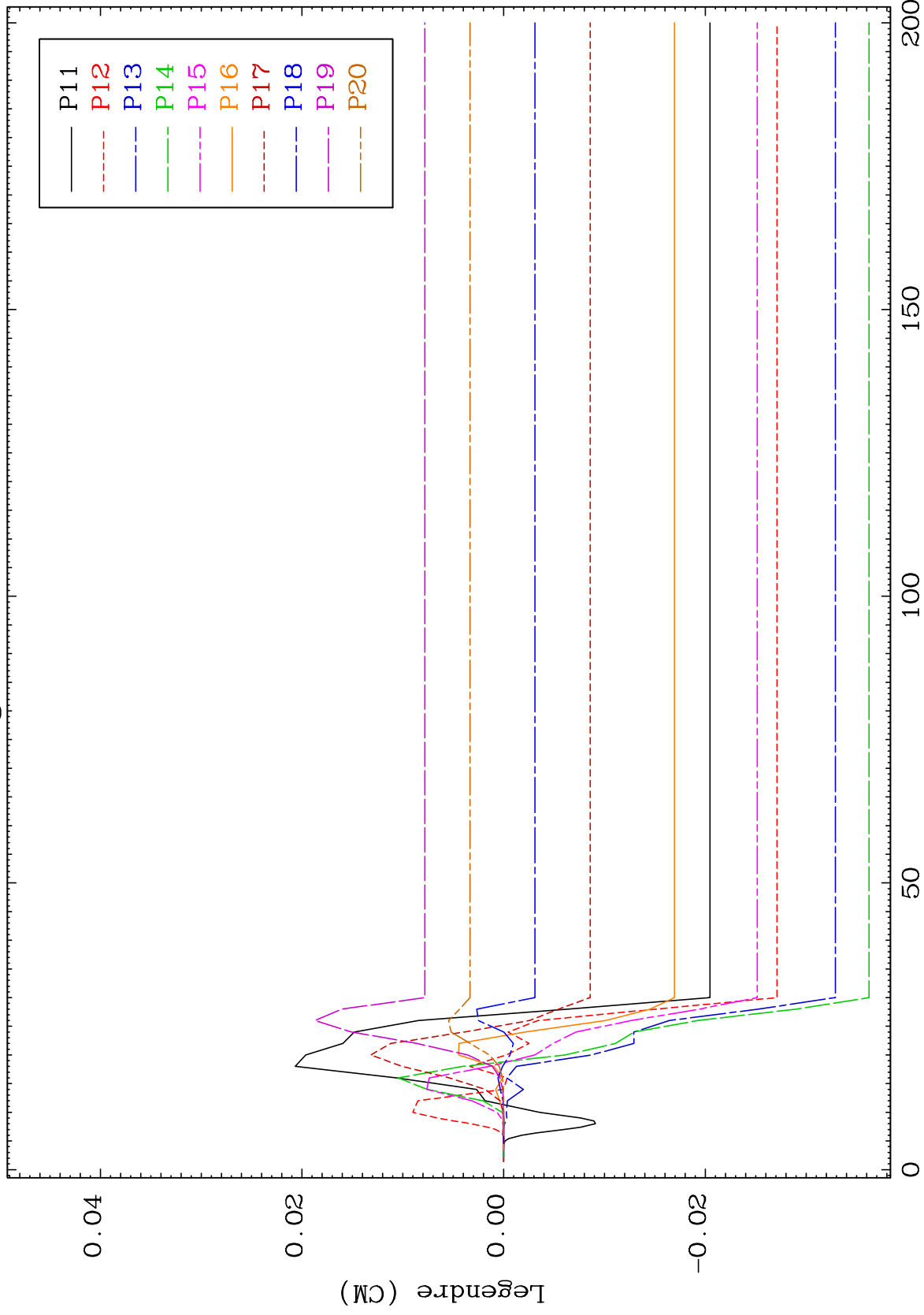


41

MAT 8046

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

80-Hg-203



42

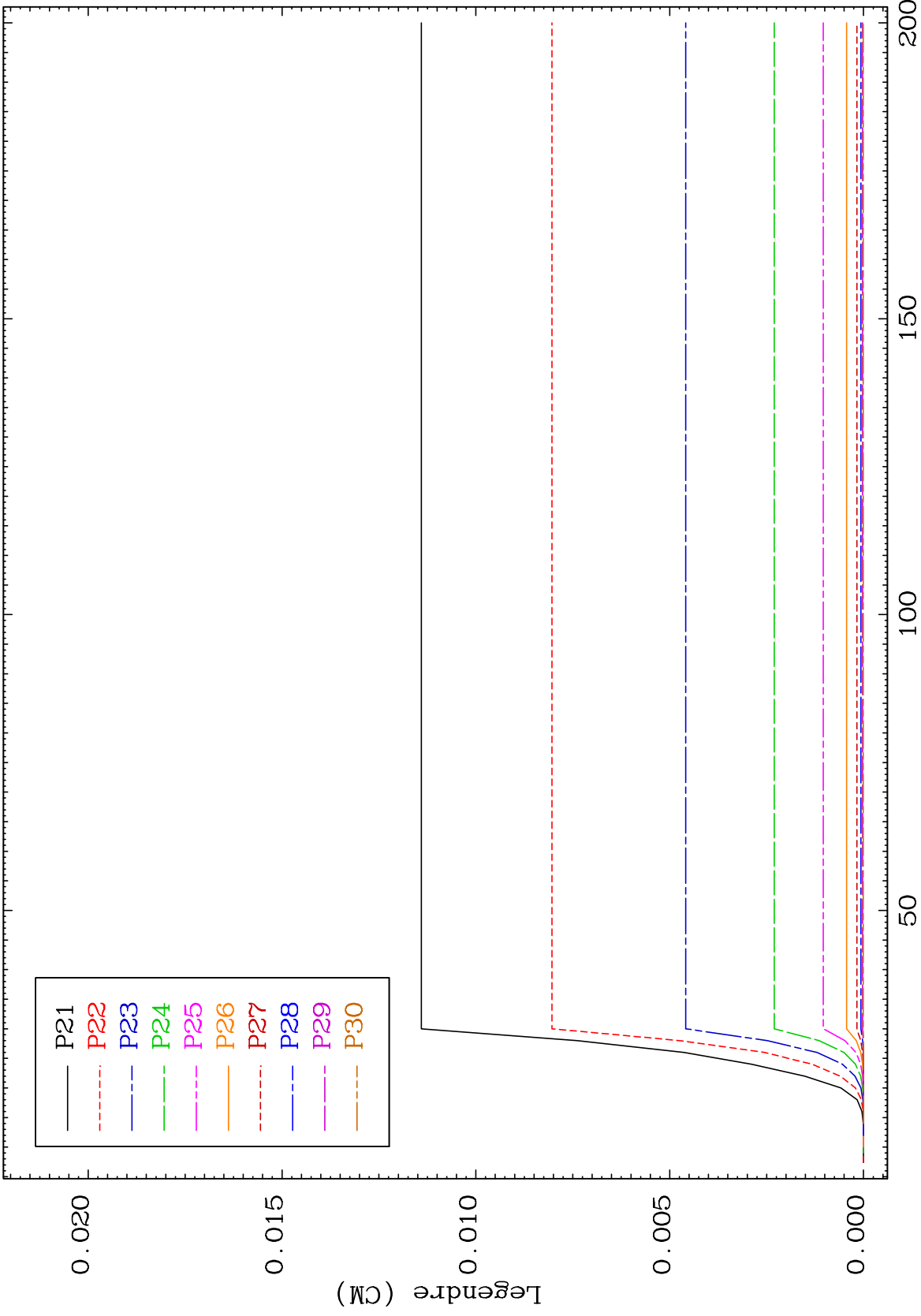
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



43

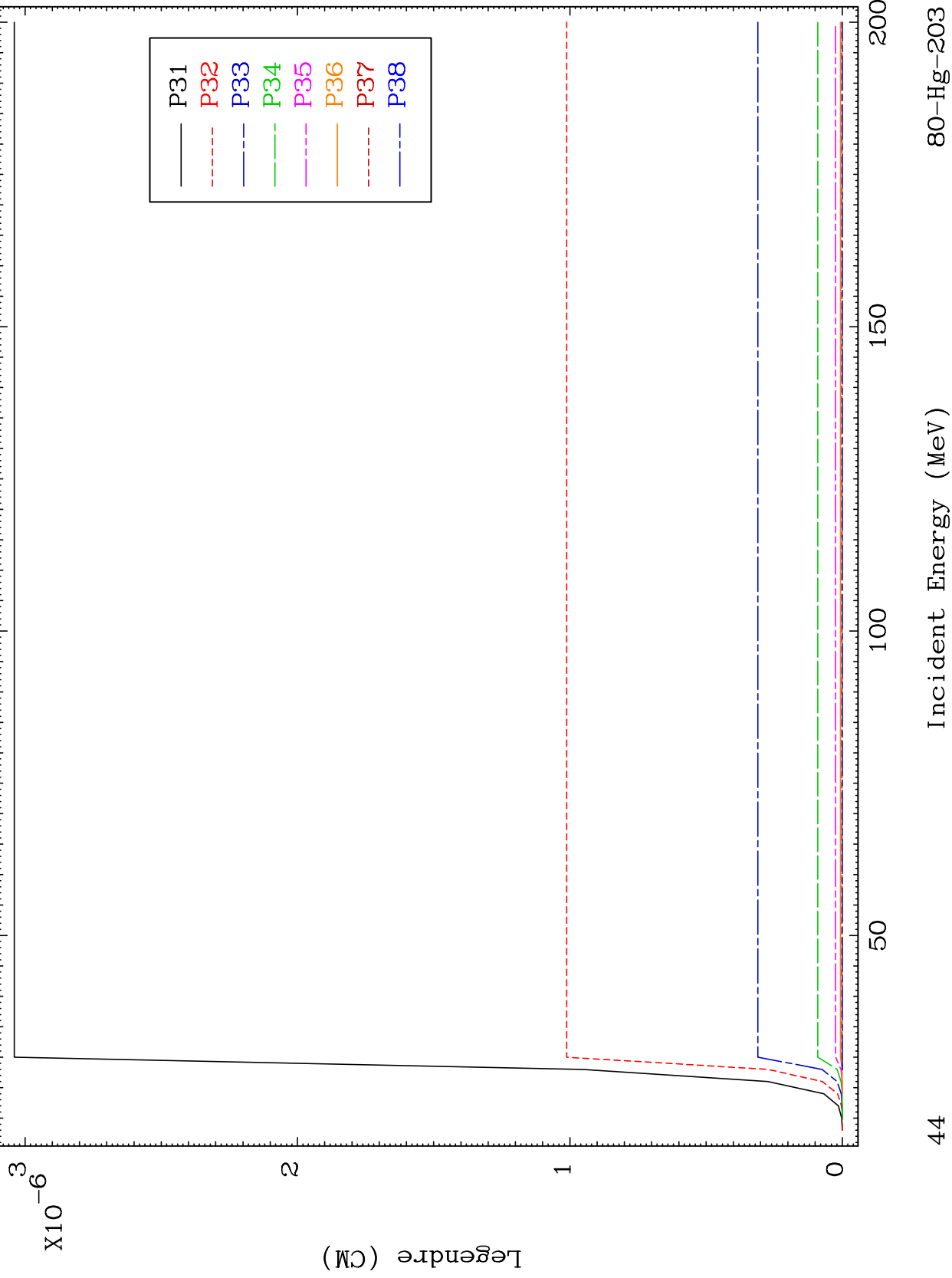
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



44

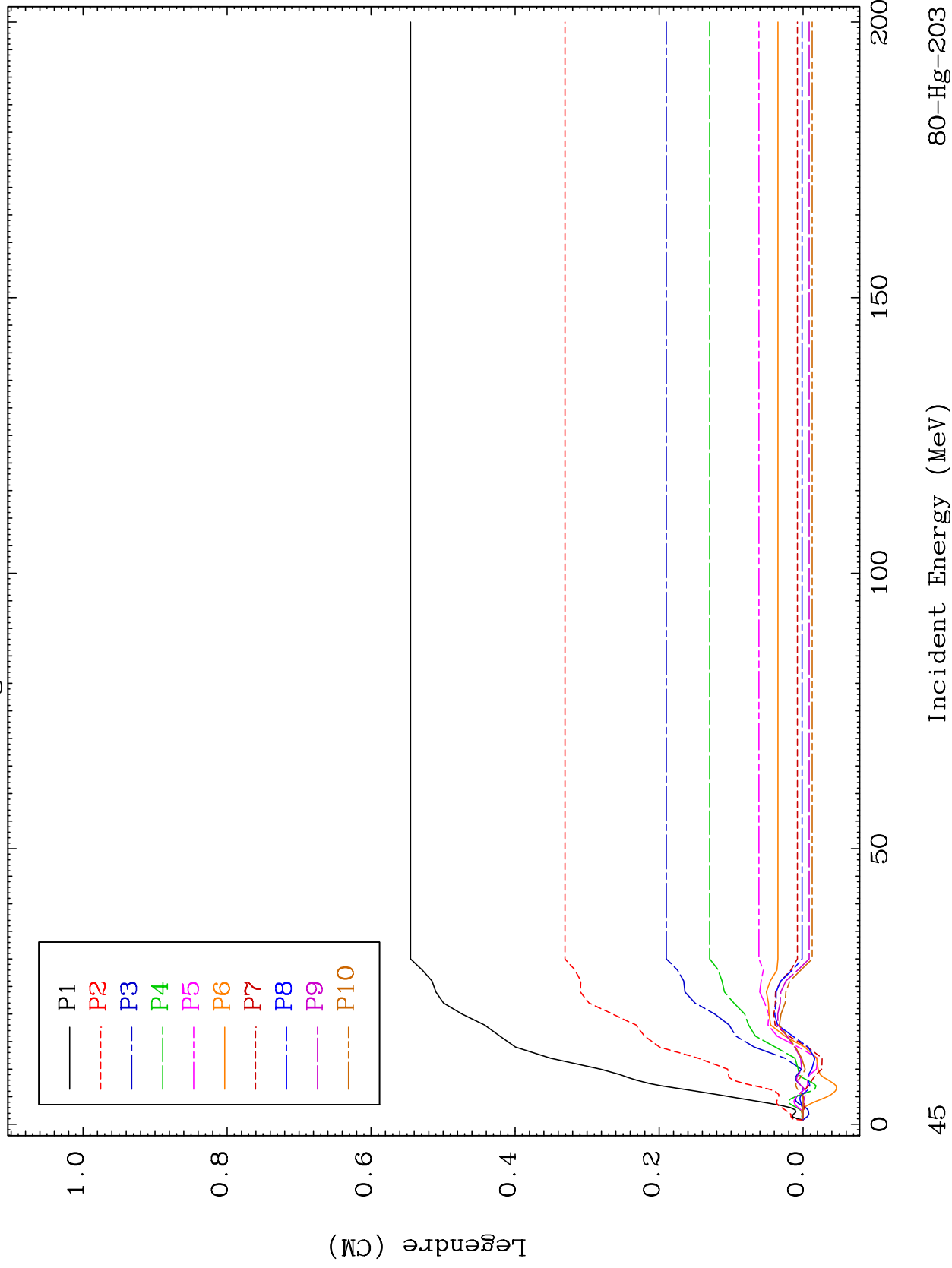
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

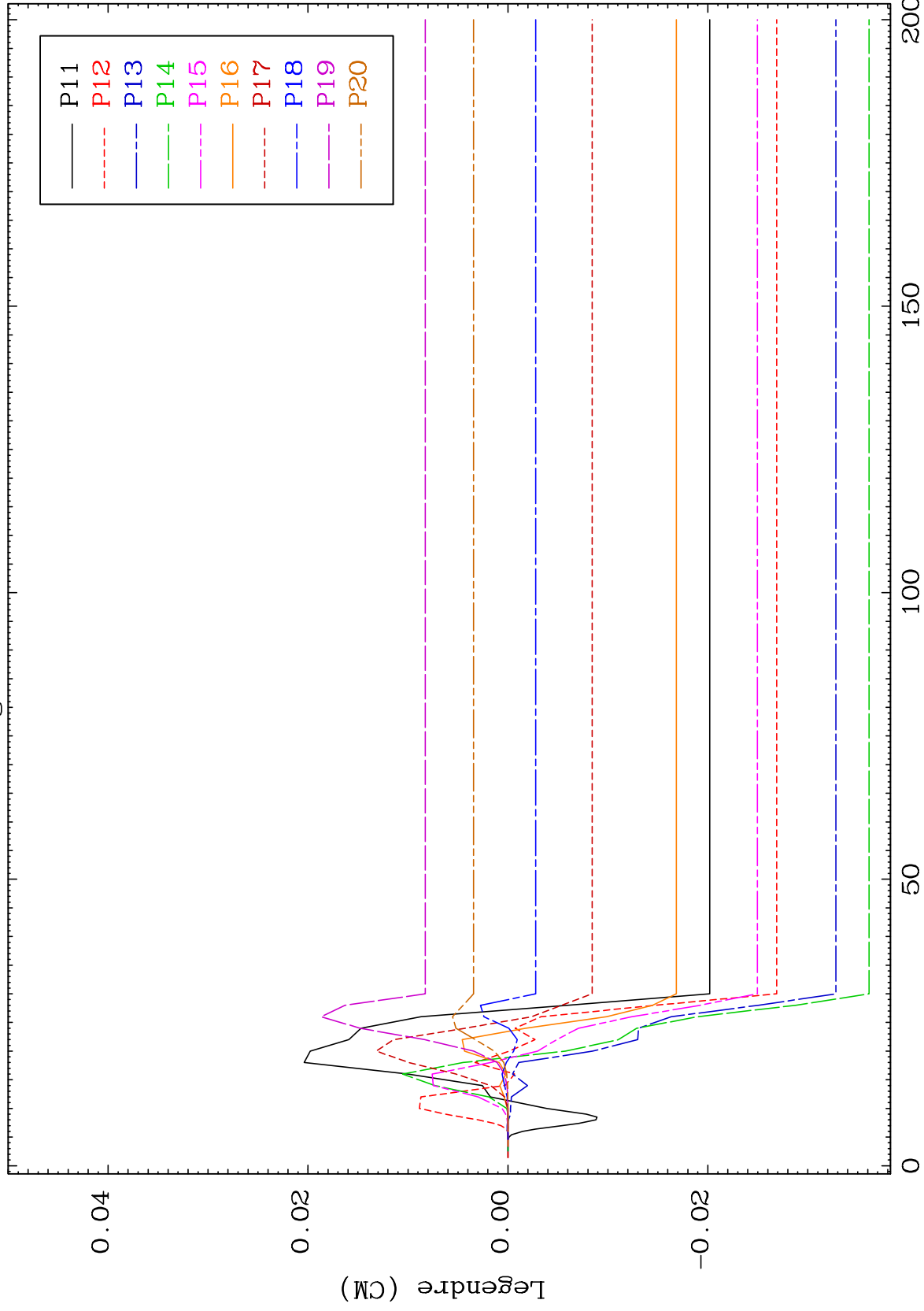
80-Hg-203



MAT 8046

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

80-Hg-203



46

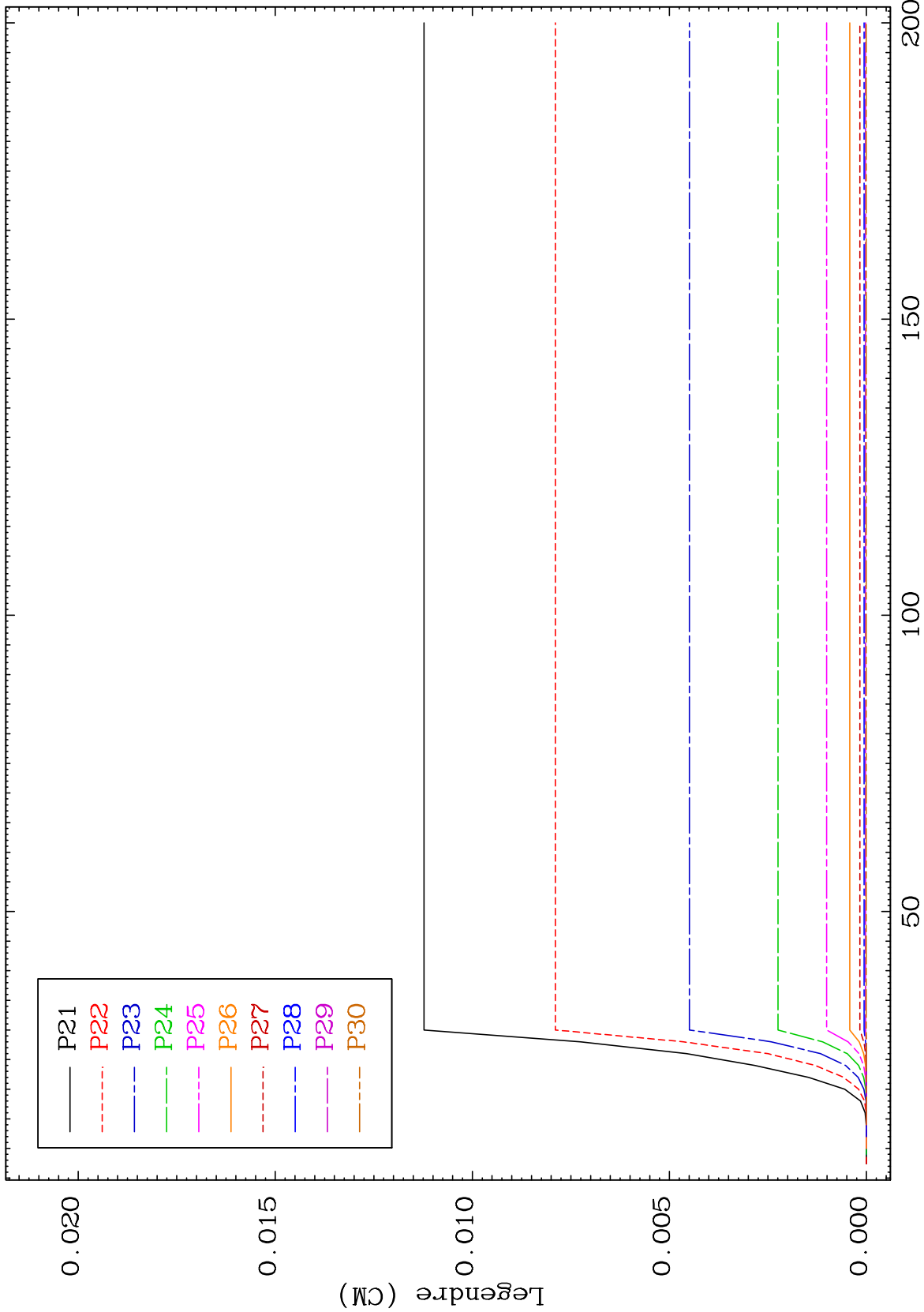
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



47

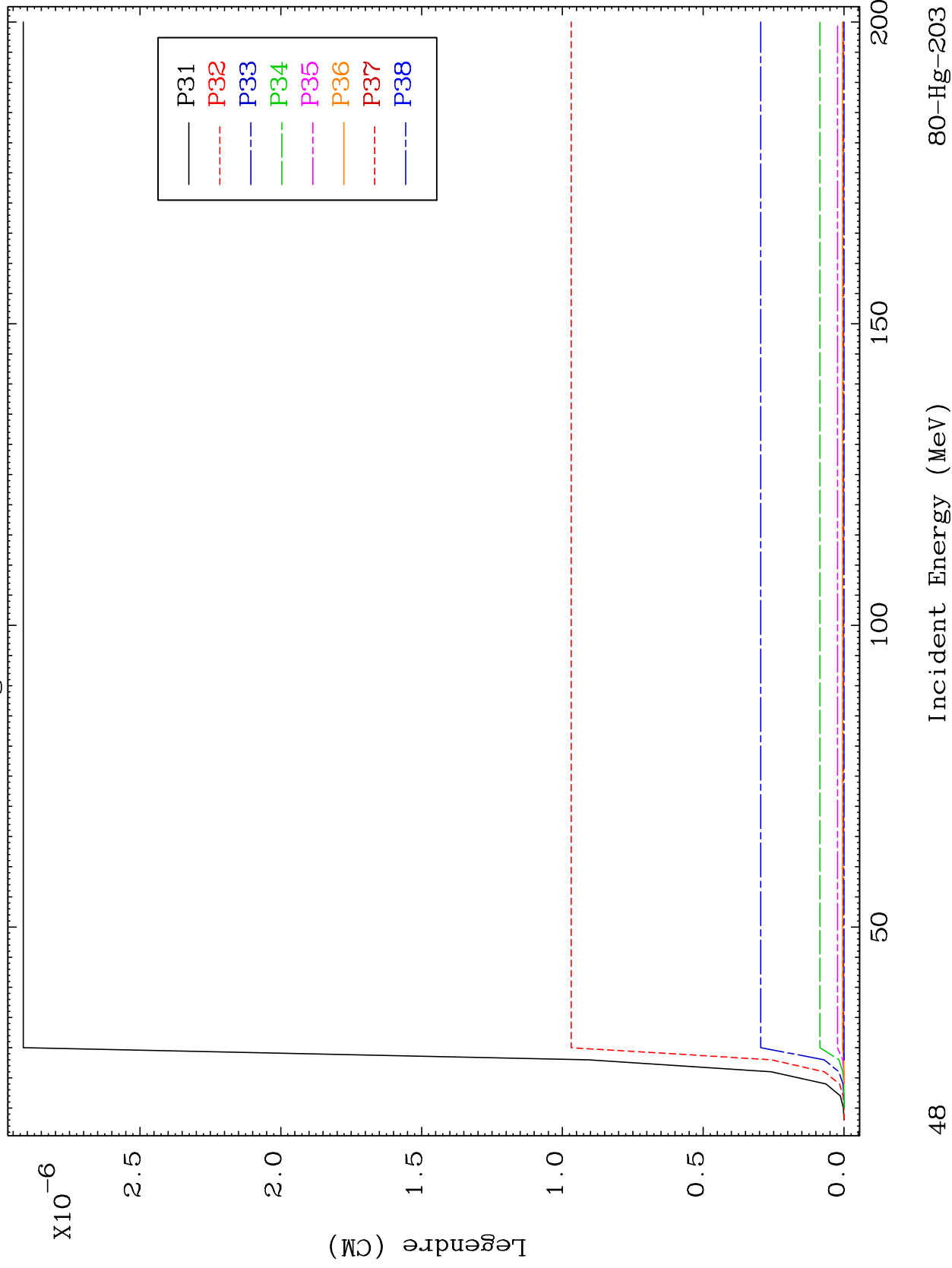
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



48

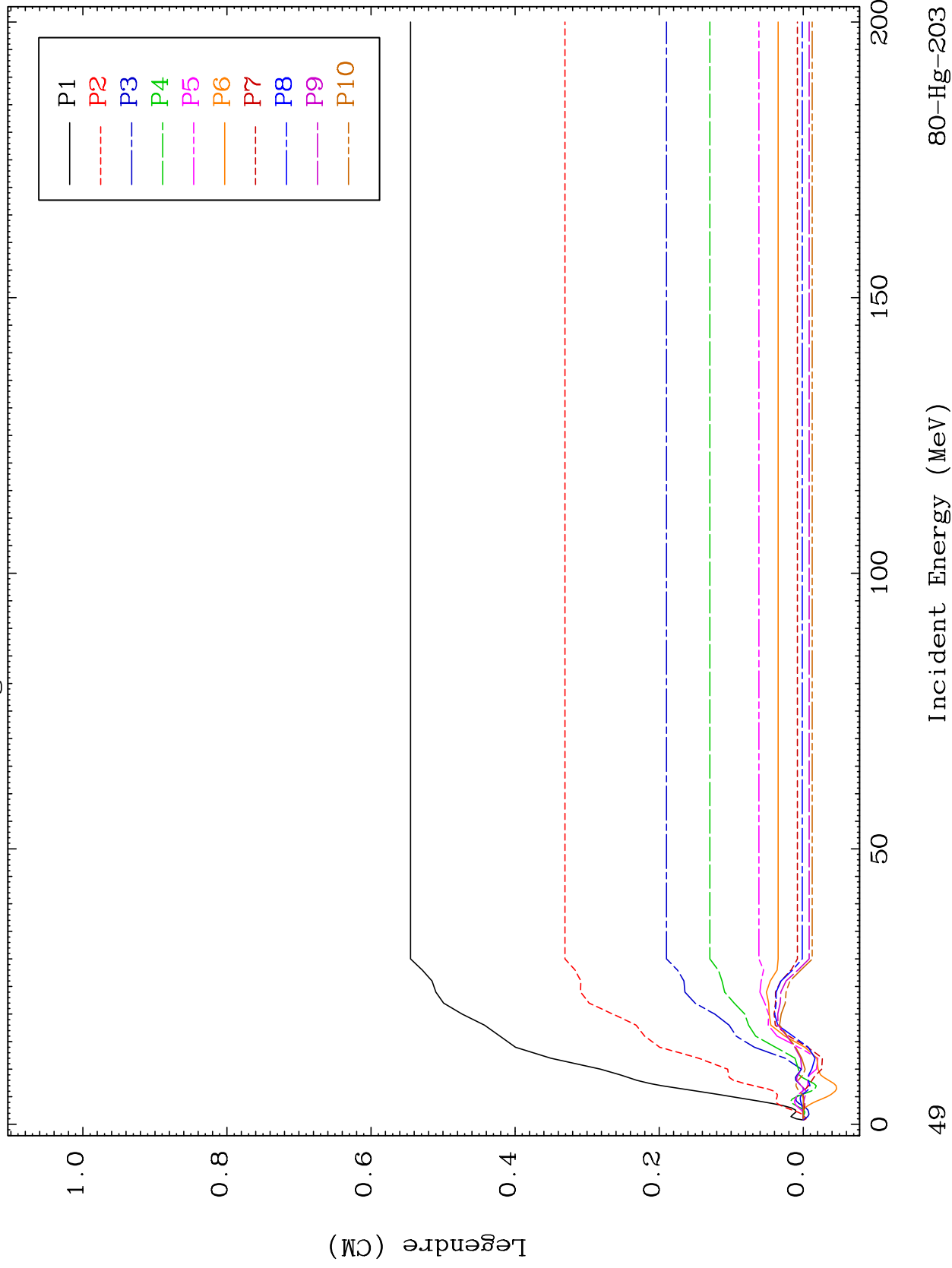
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



80-Hg-203

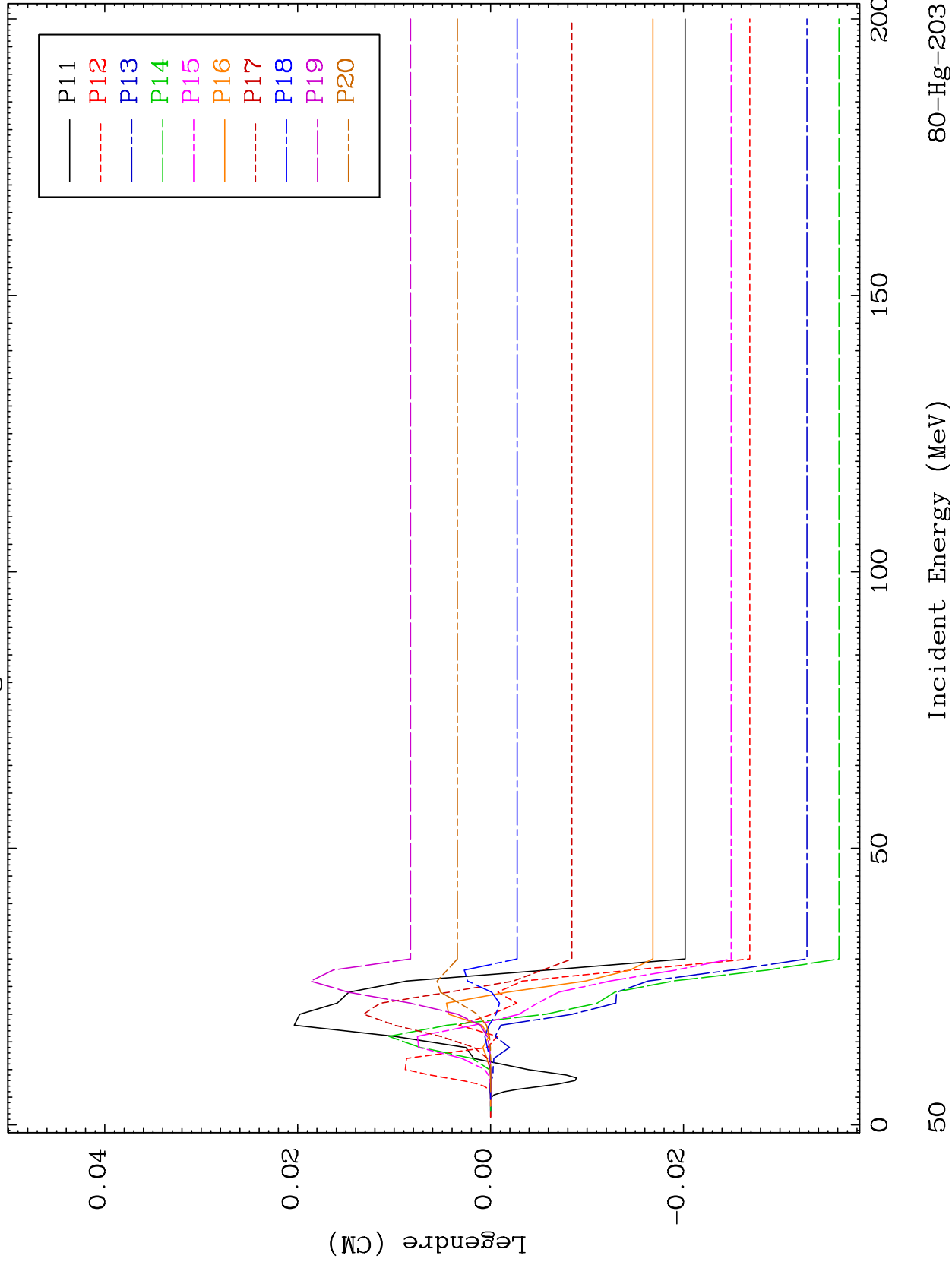
Incident Energy (MeV)

49

MAT 8046

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

80-Hg-203



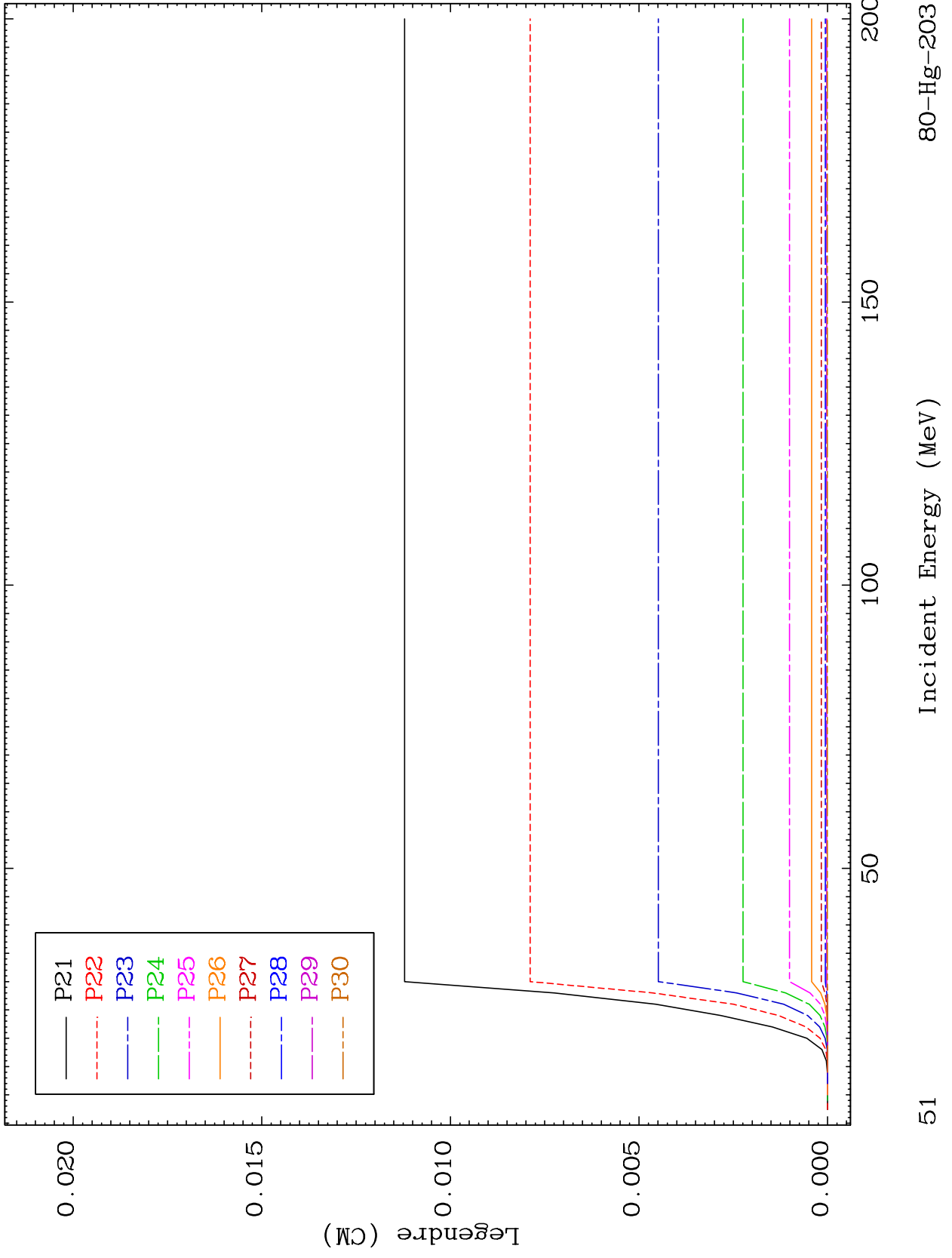
80-Hg-203

Incident Energy (MeV)

MAT 8046

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

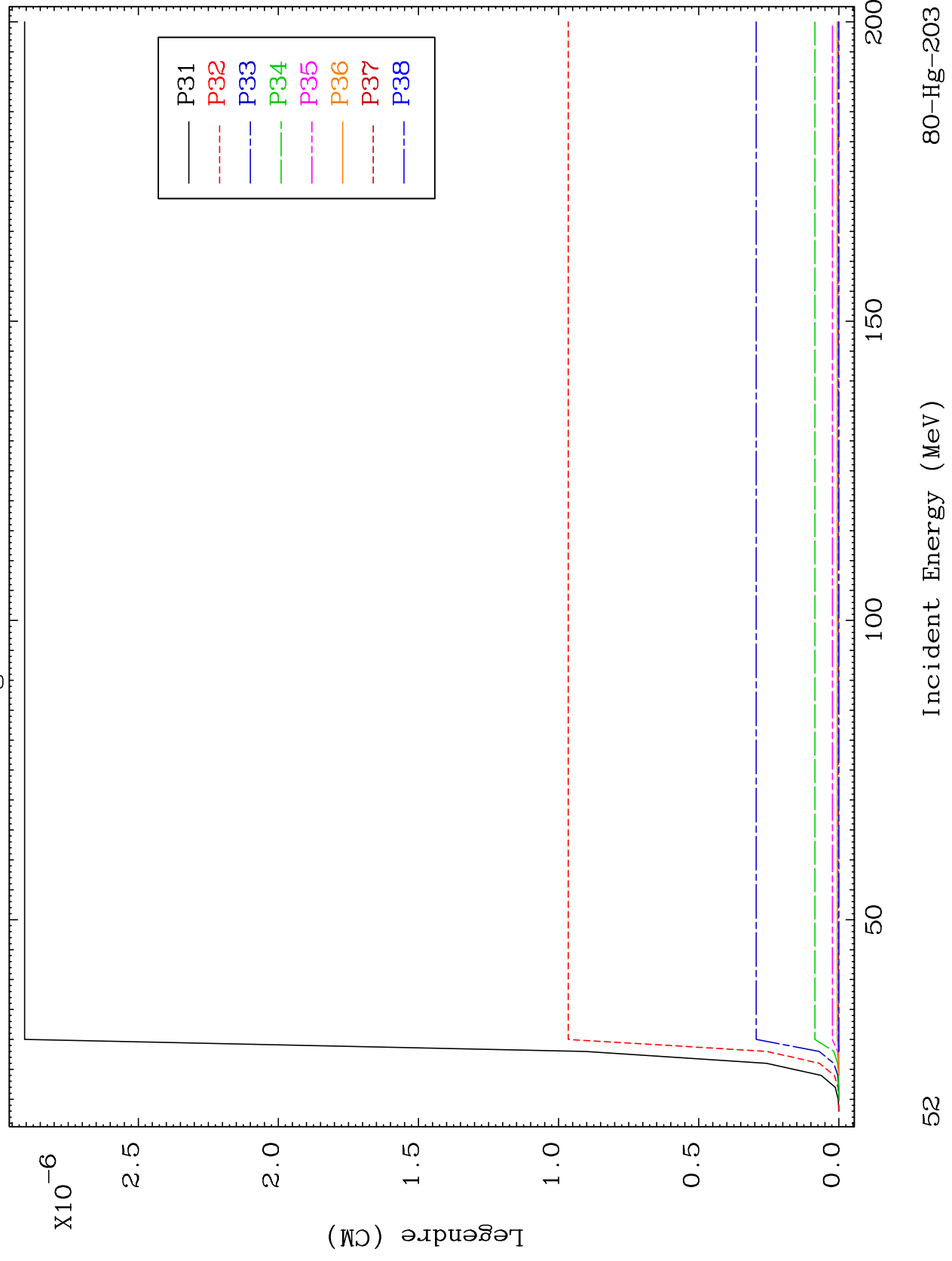
80-Hg-203



MAT 8046

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

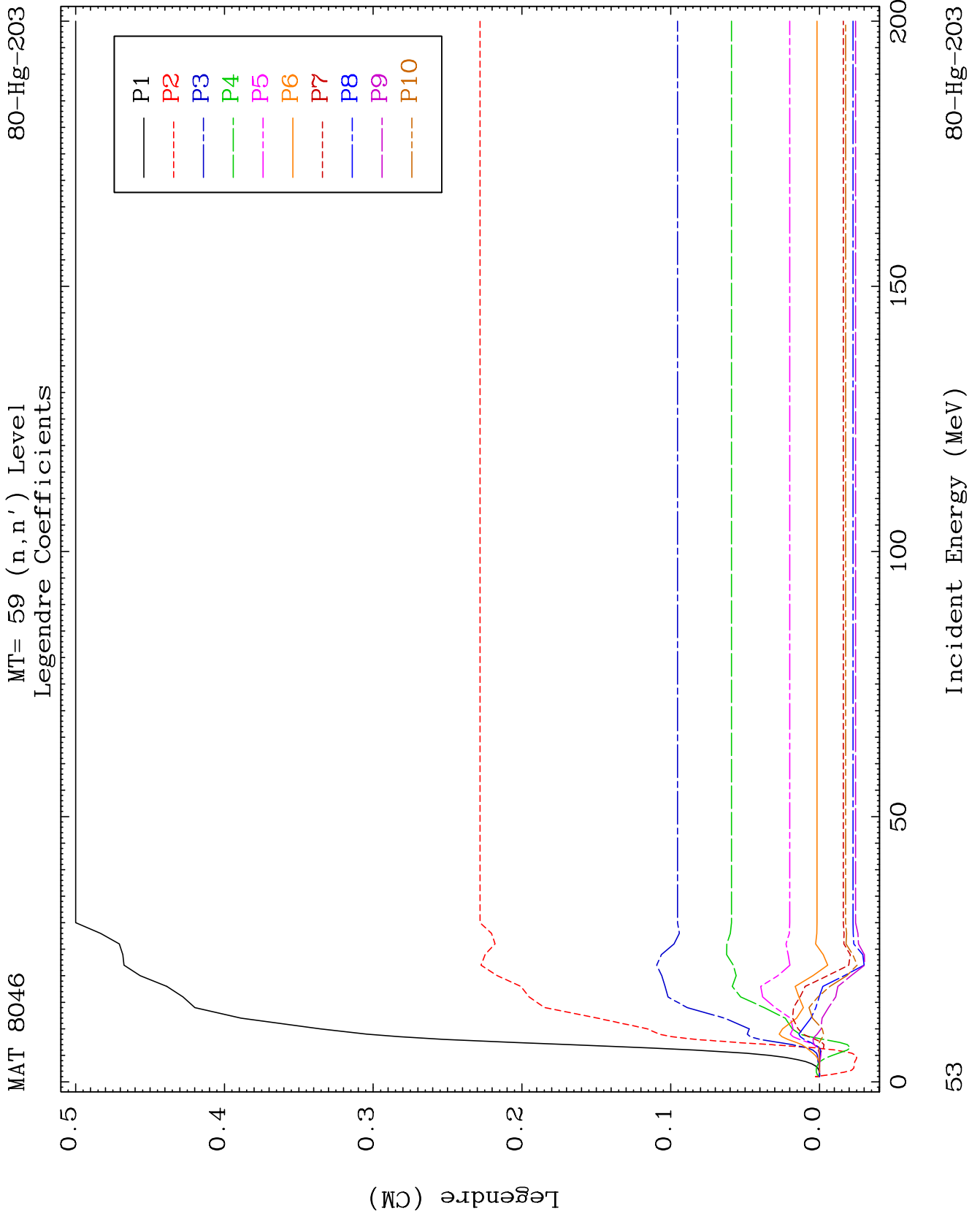
80-Hg-203



52

Incident Energy (MeV)

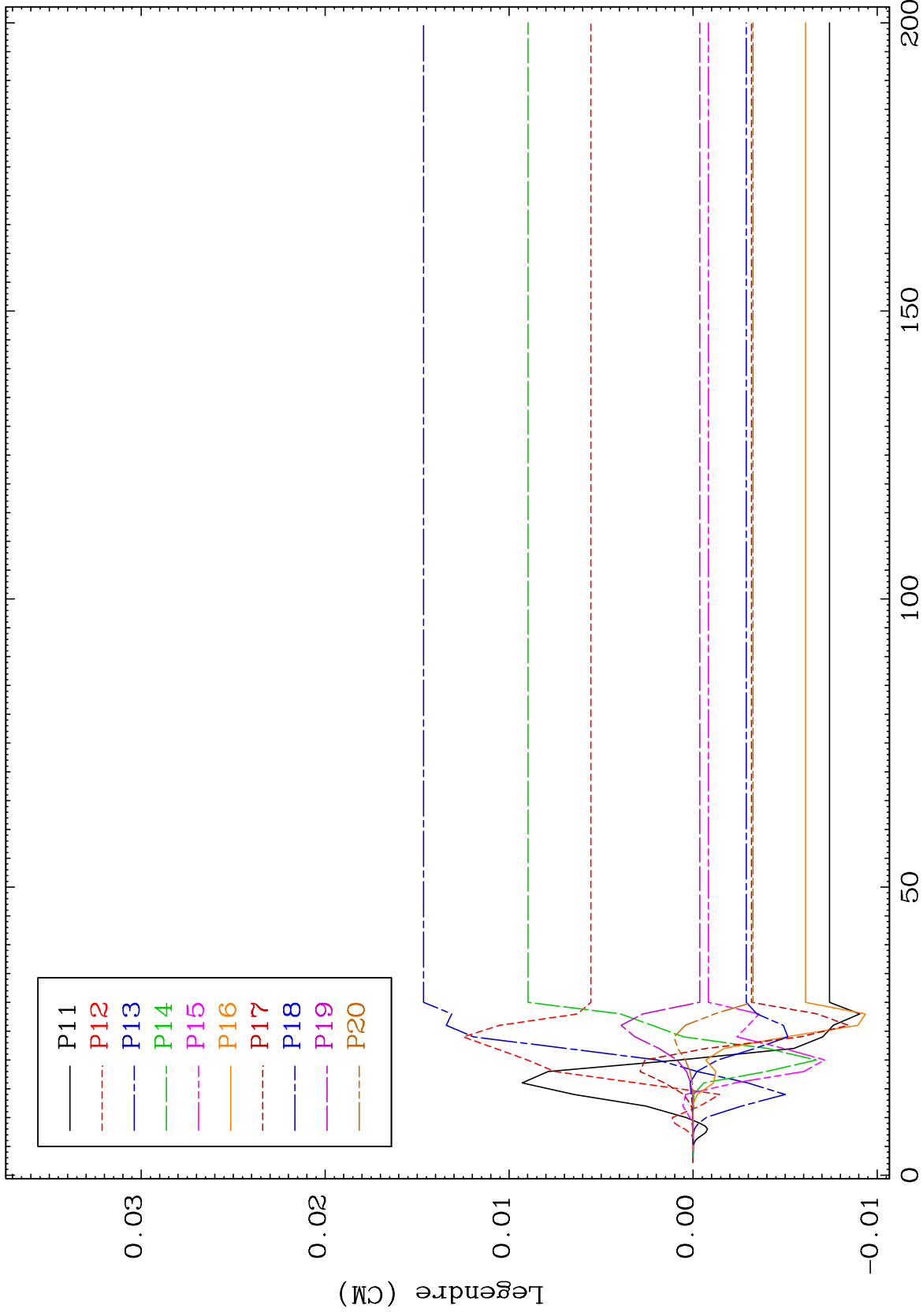
80-Hg-203



MAT 8046

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

80-Hg-203



54

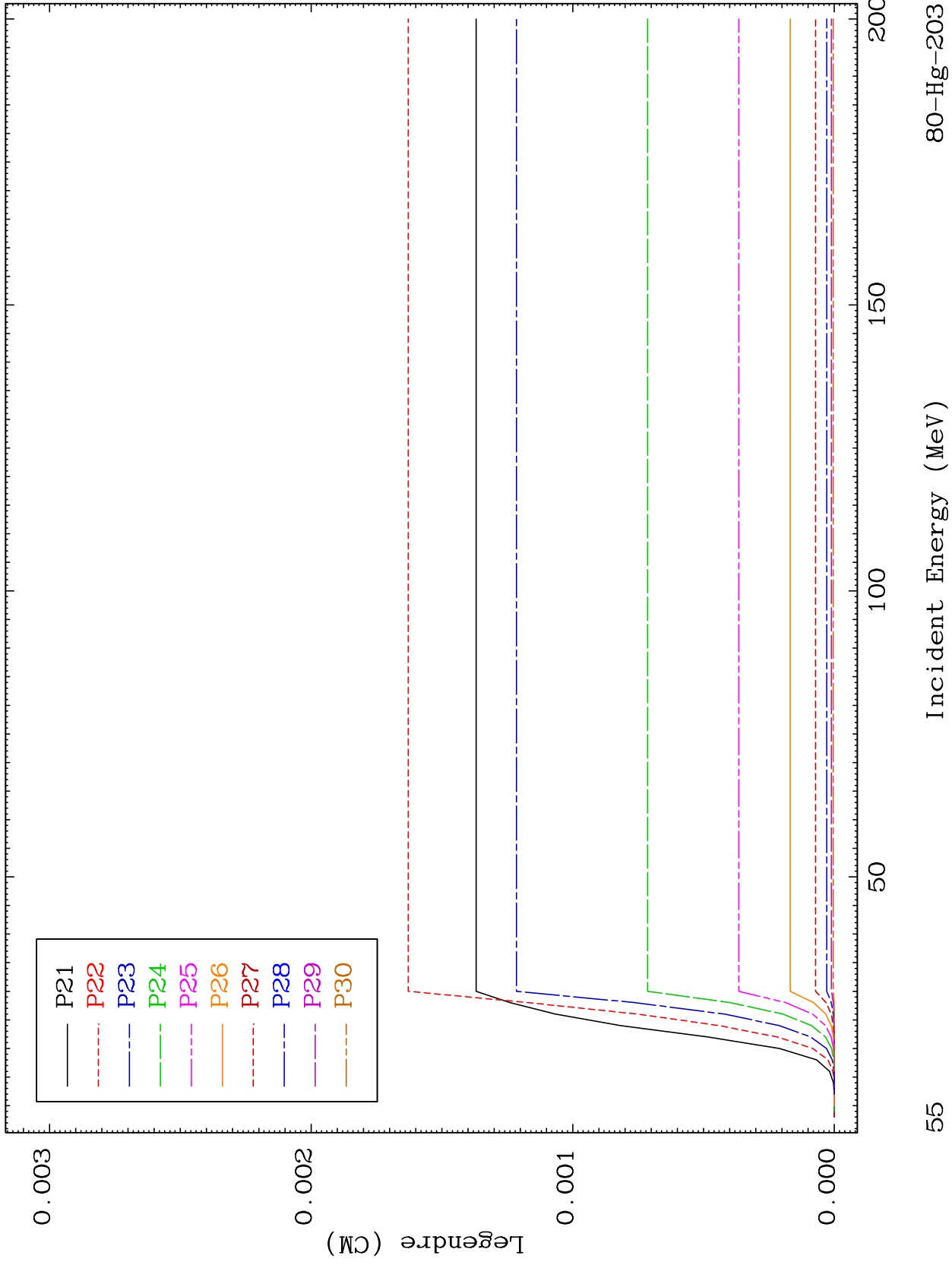
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

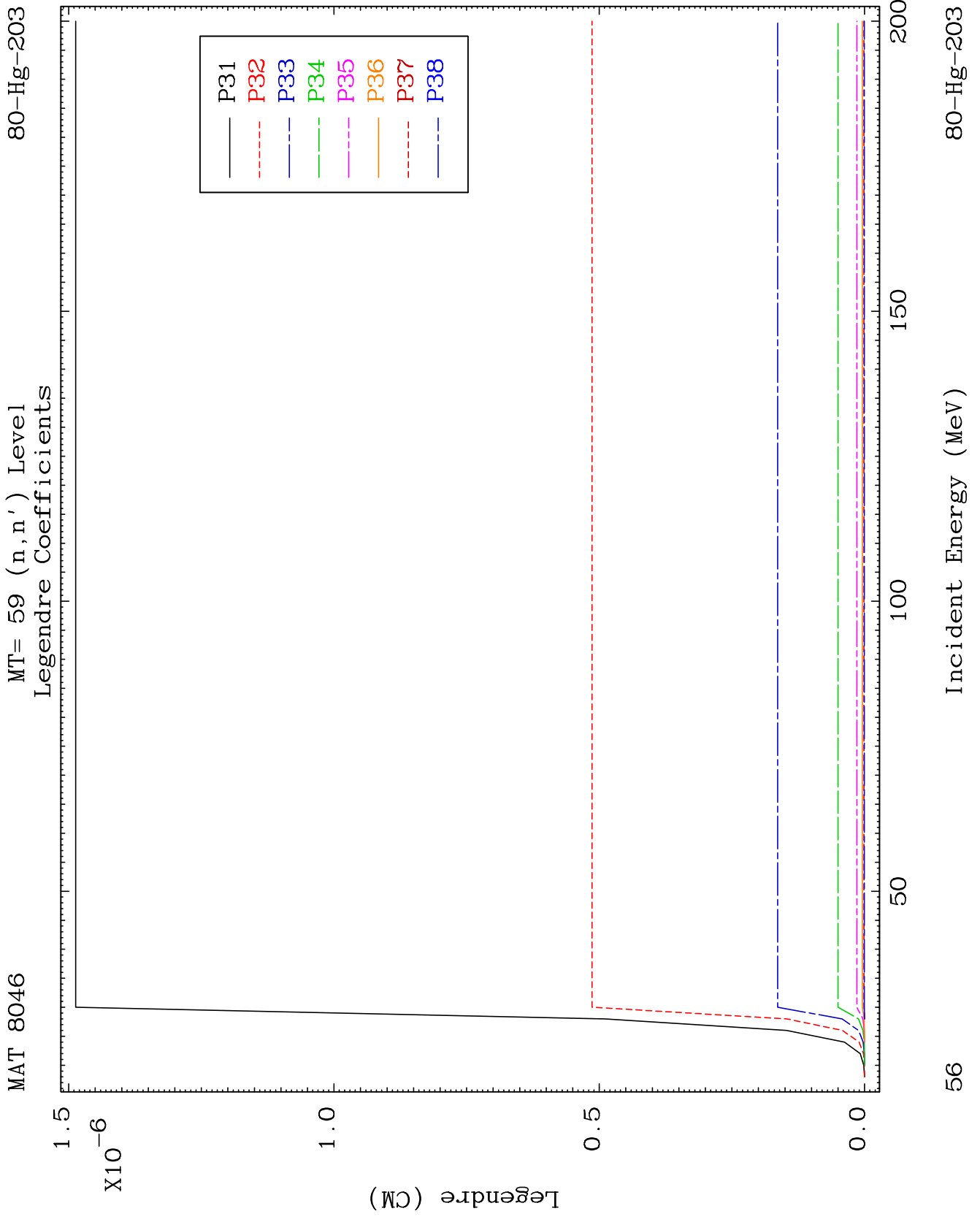
80-Hg-203



55

Incident Energy (MeV)

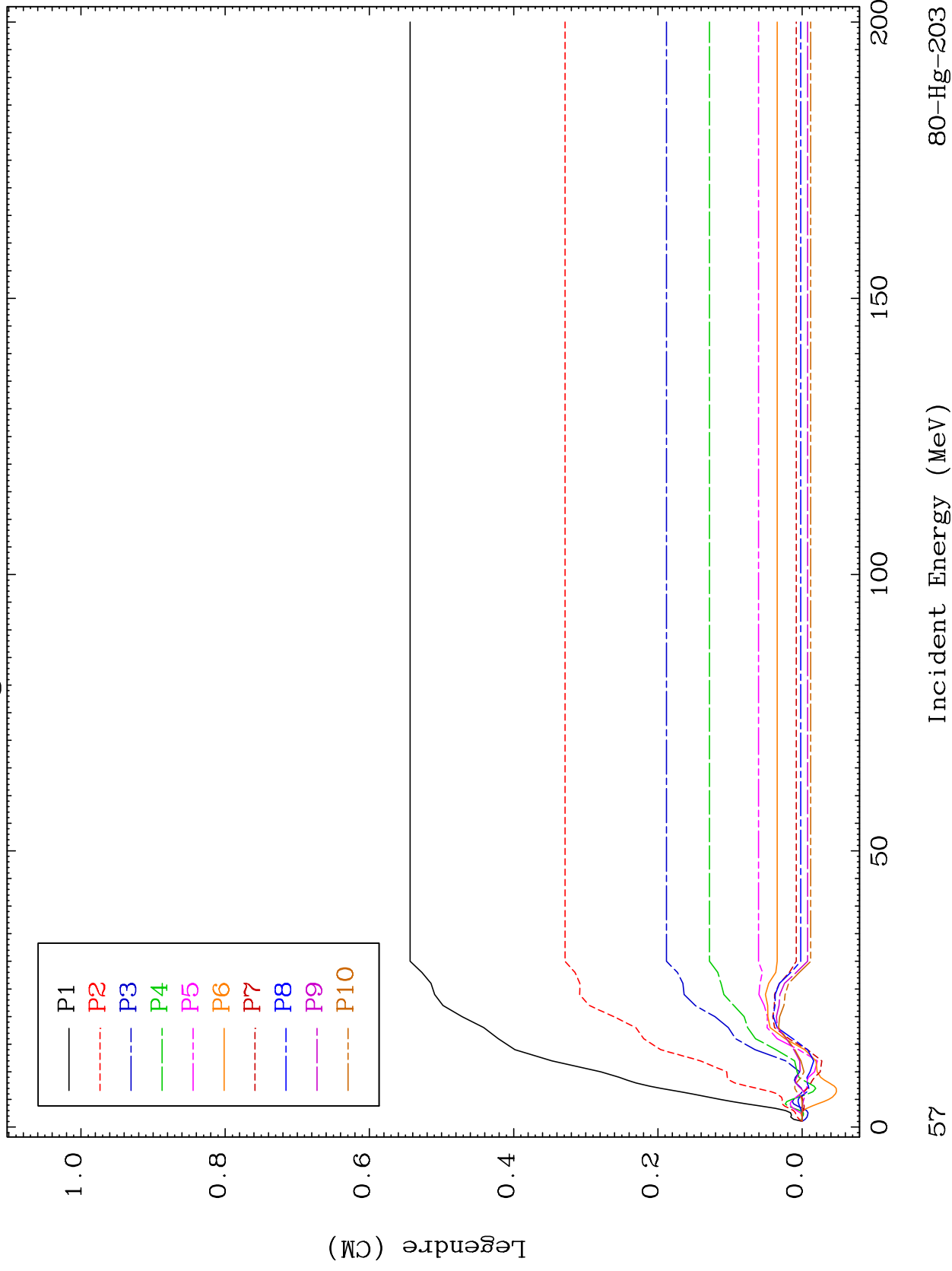
80-Hg-203



MAT 8046

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

80-Hg-203



80-Hg-203

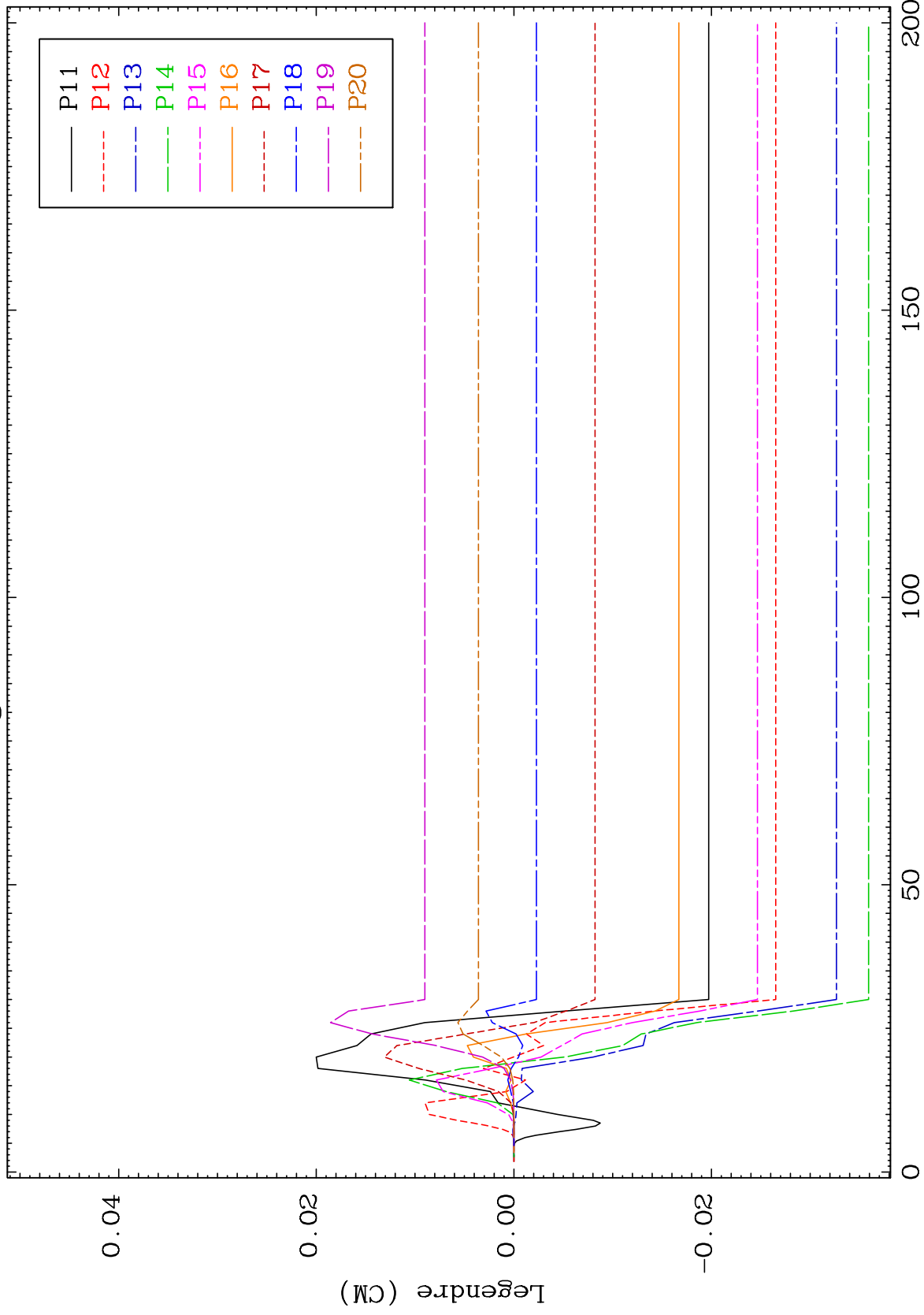
Incident Energy (MeV)

57

MAT 8046

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

80-Hg-203



58

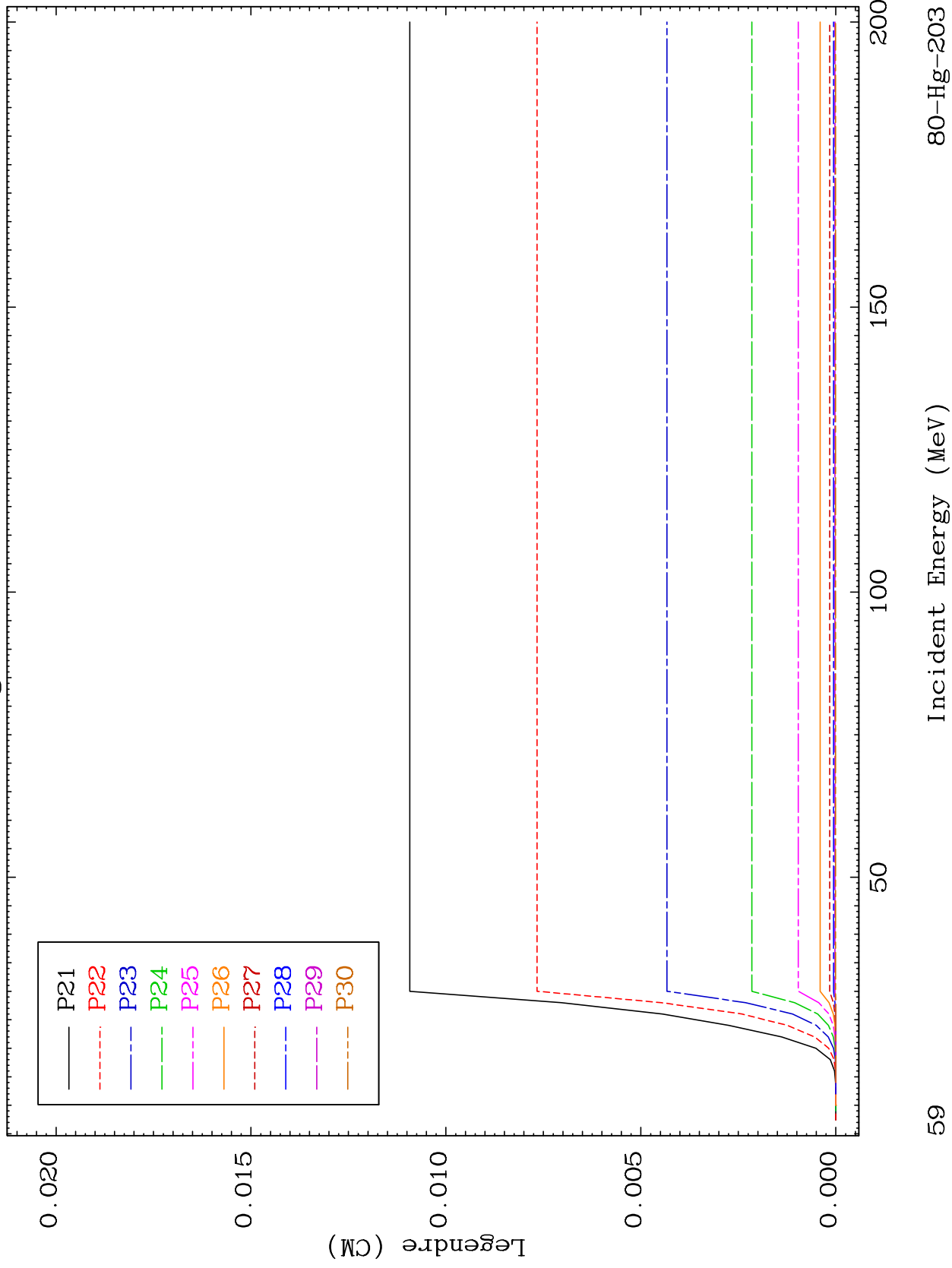
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



59

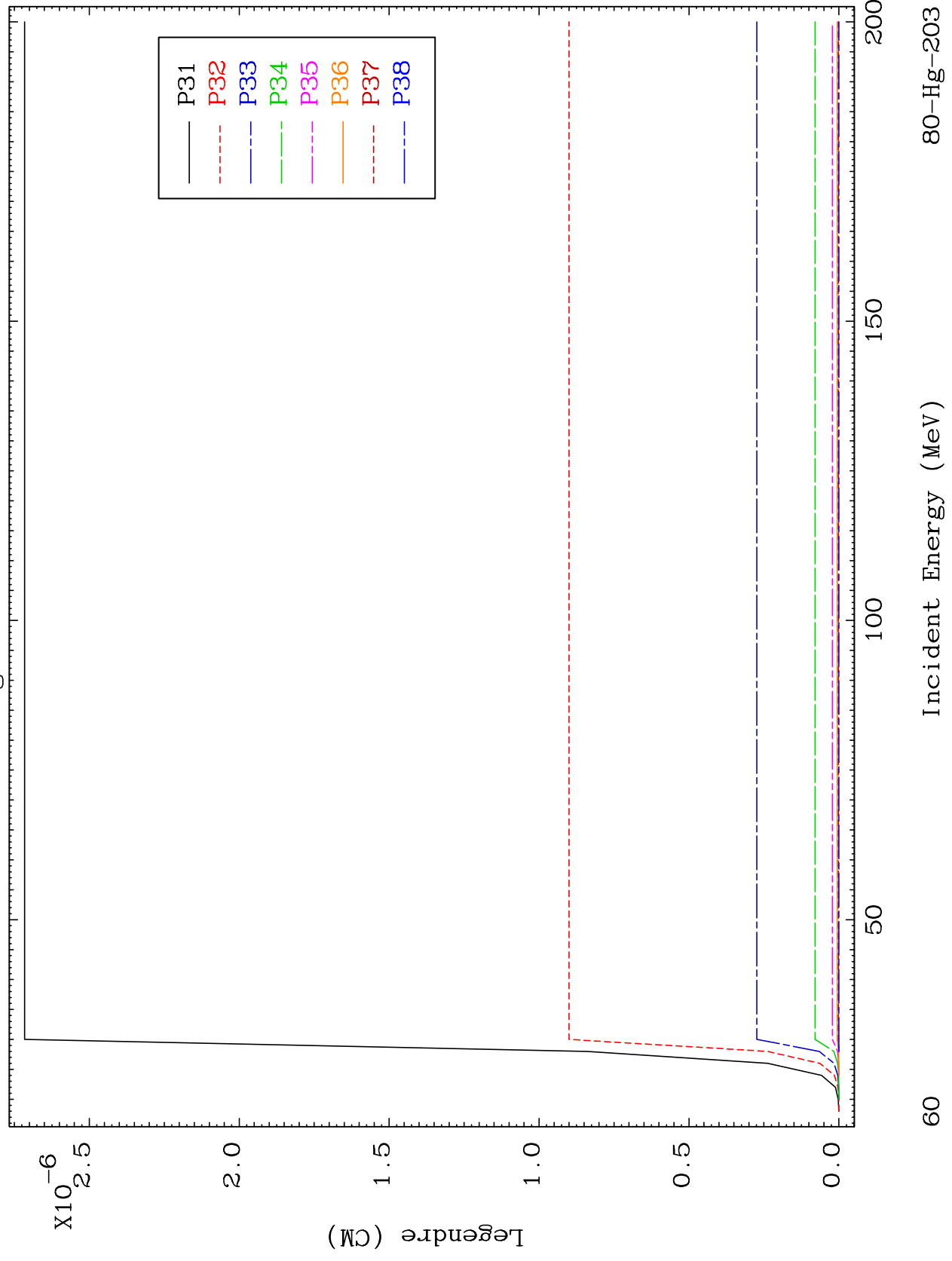
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



80-Hg-203

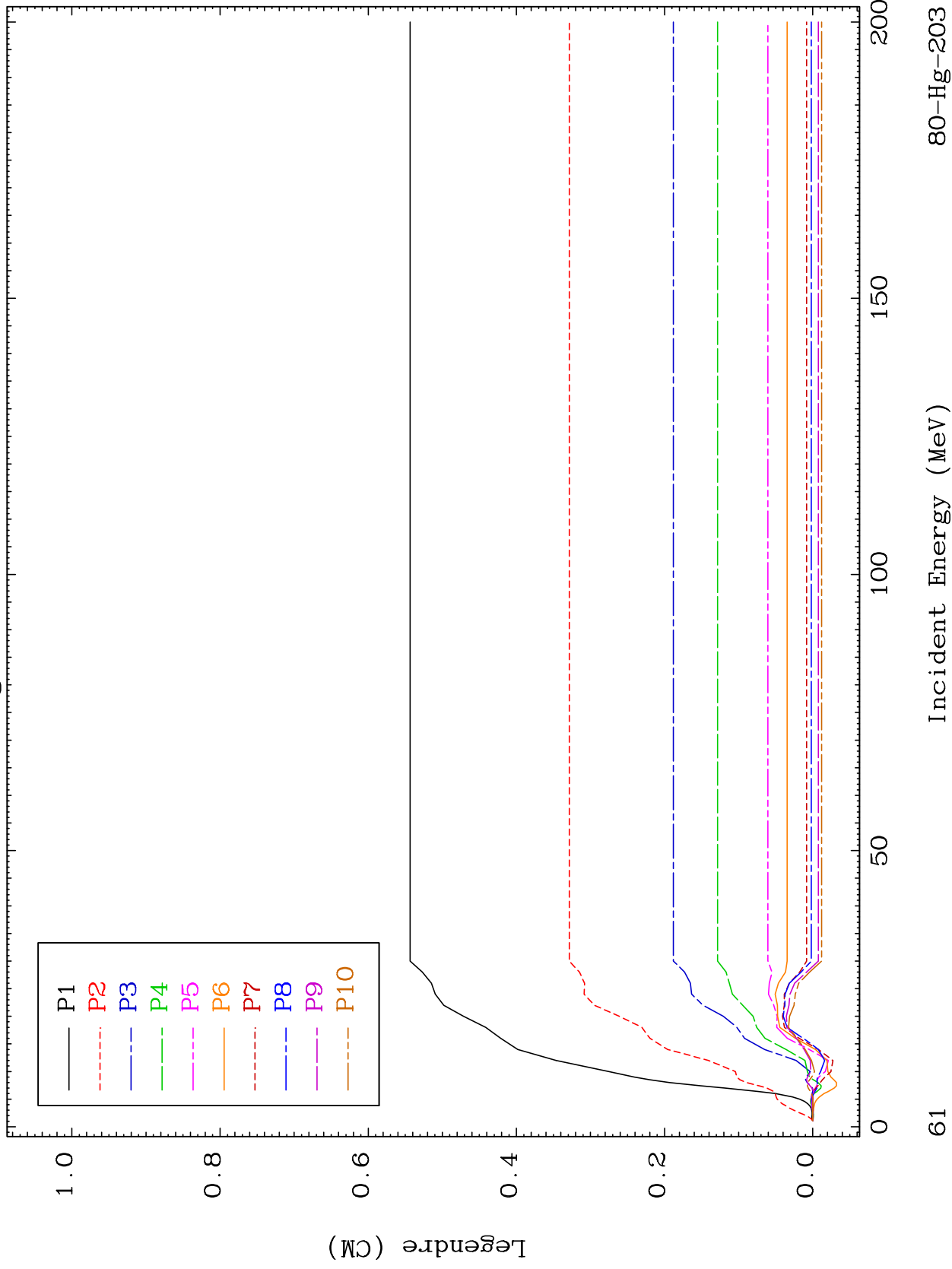
Incident Energy (MeV)

60

MAT 8046

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

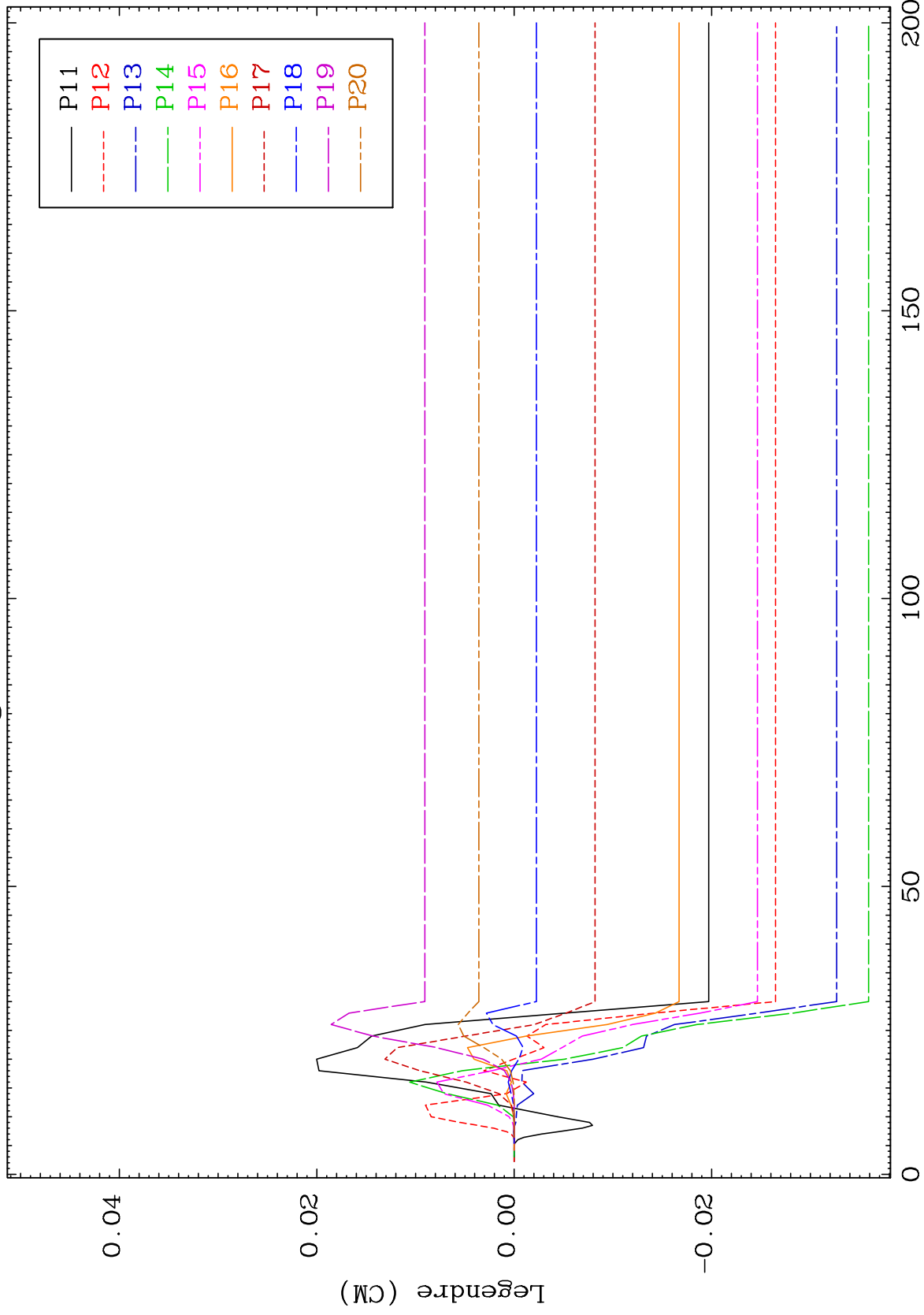
80-Hg-203



MAT 8046

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

80-Hg-203



62

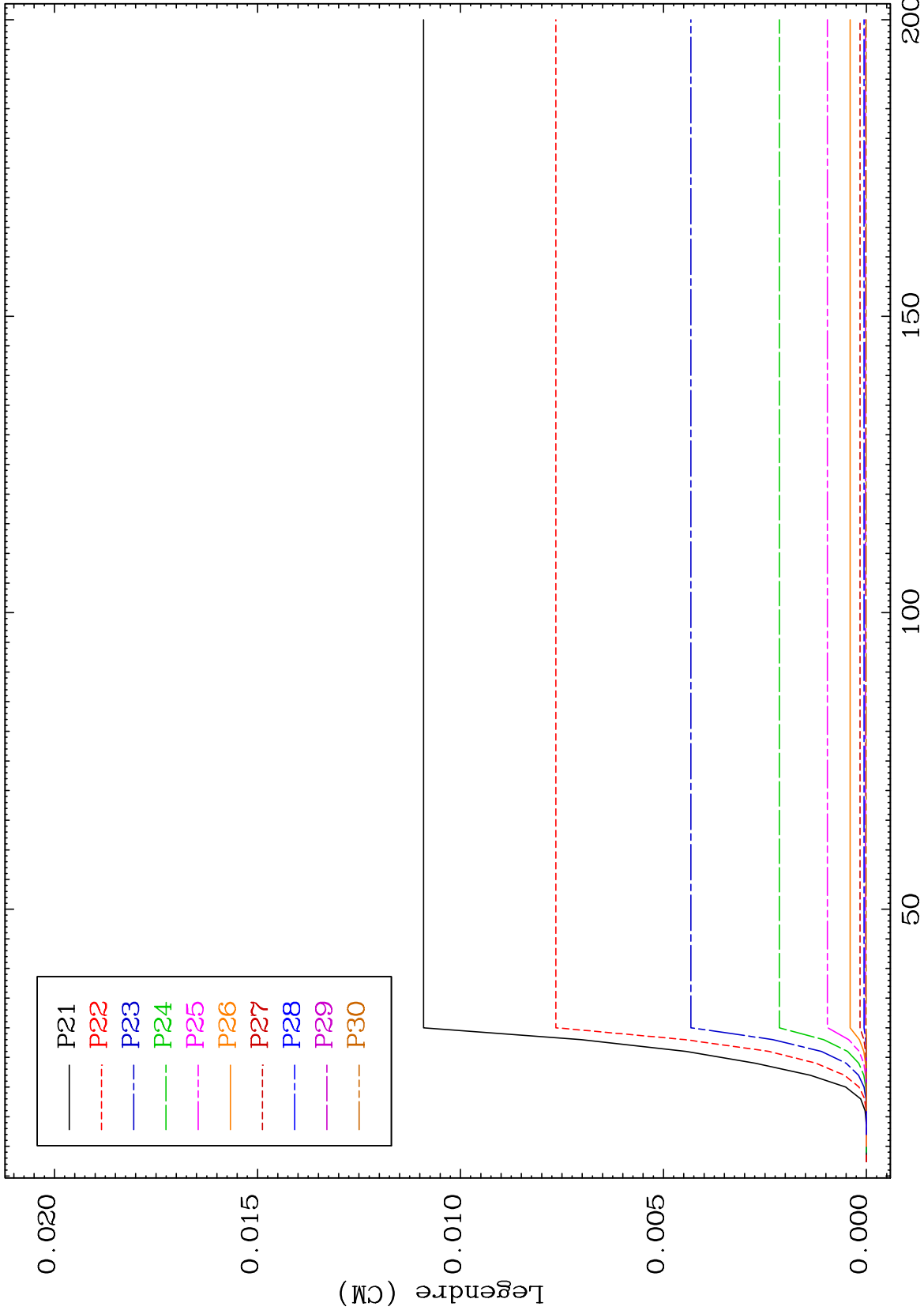
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



63

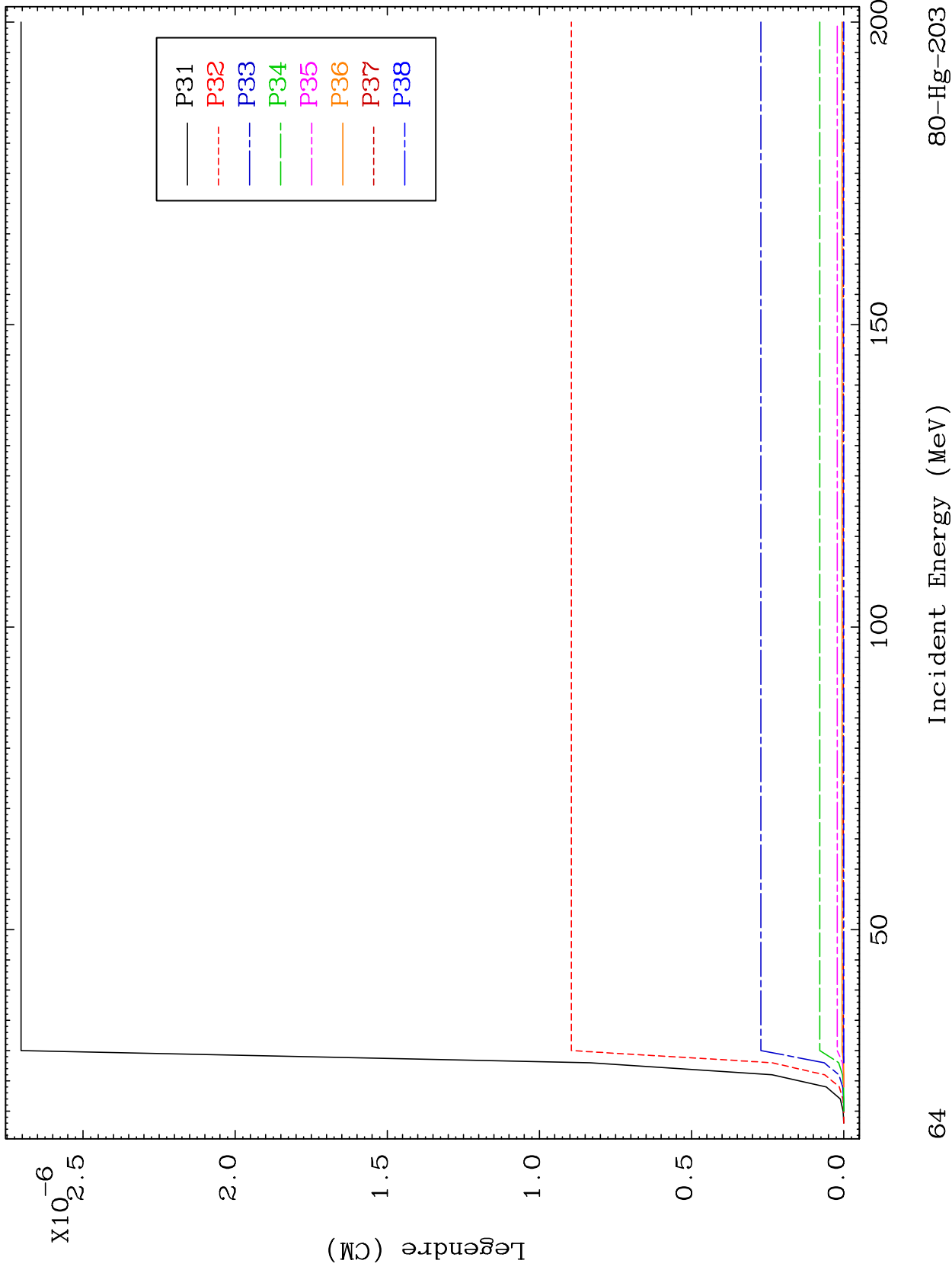
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



64

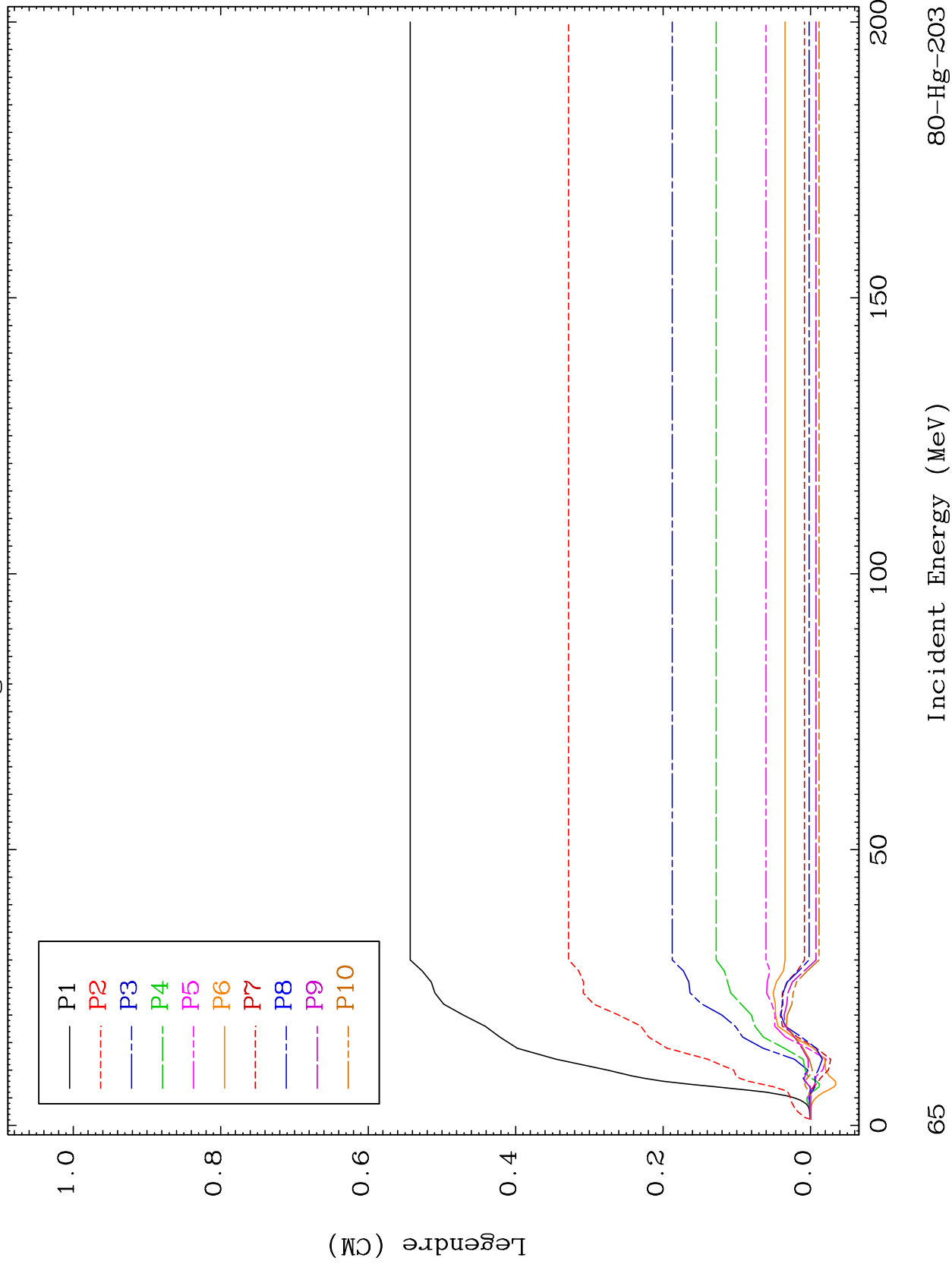
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

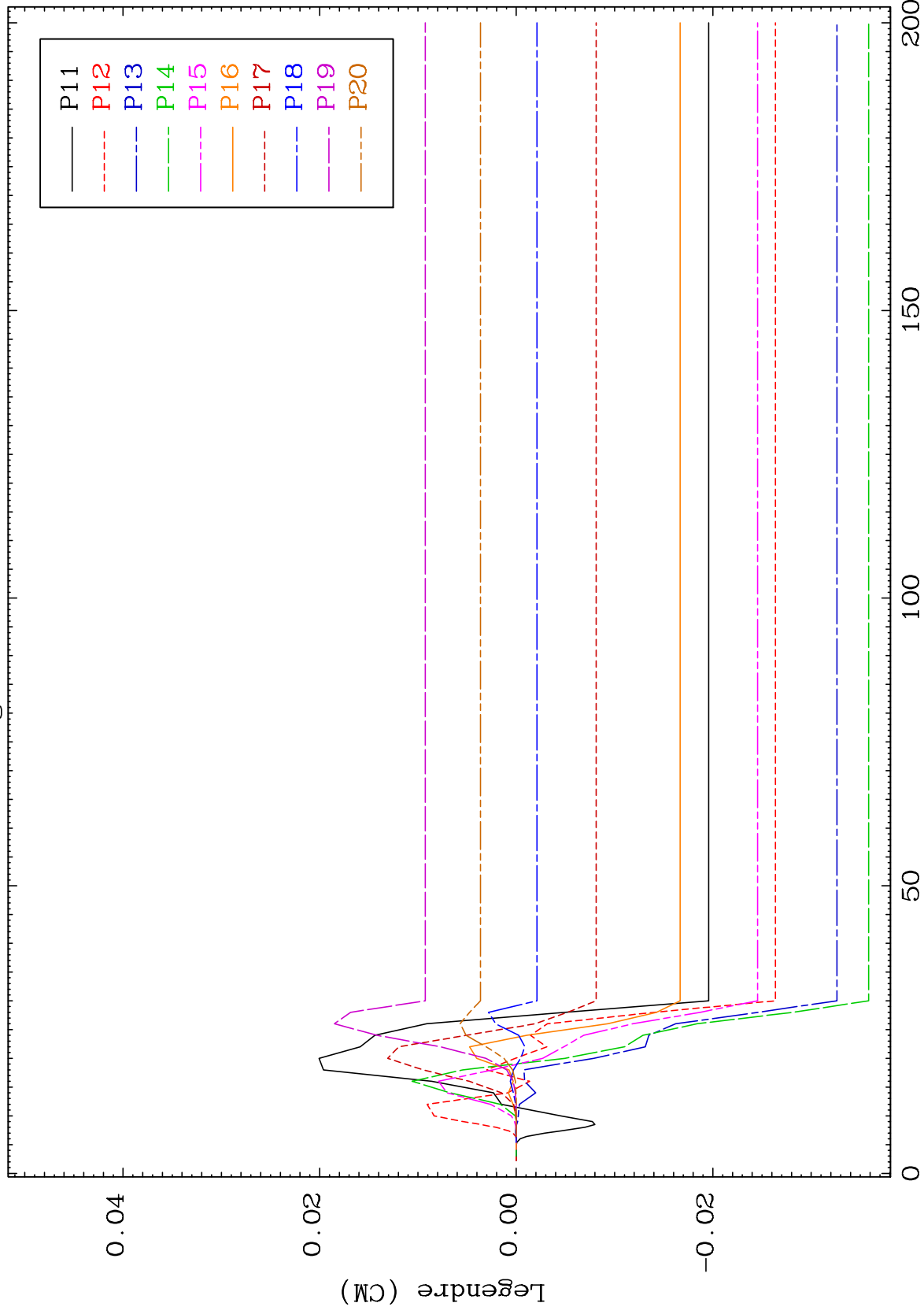
80-Hg-203



MAT 8046

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

80-Hg-203



66

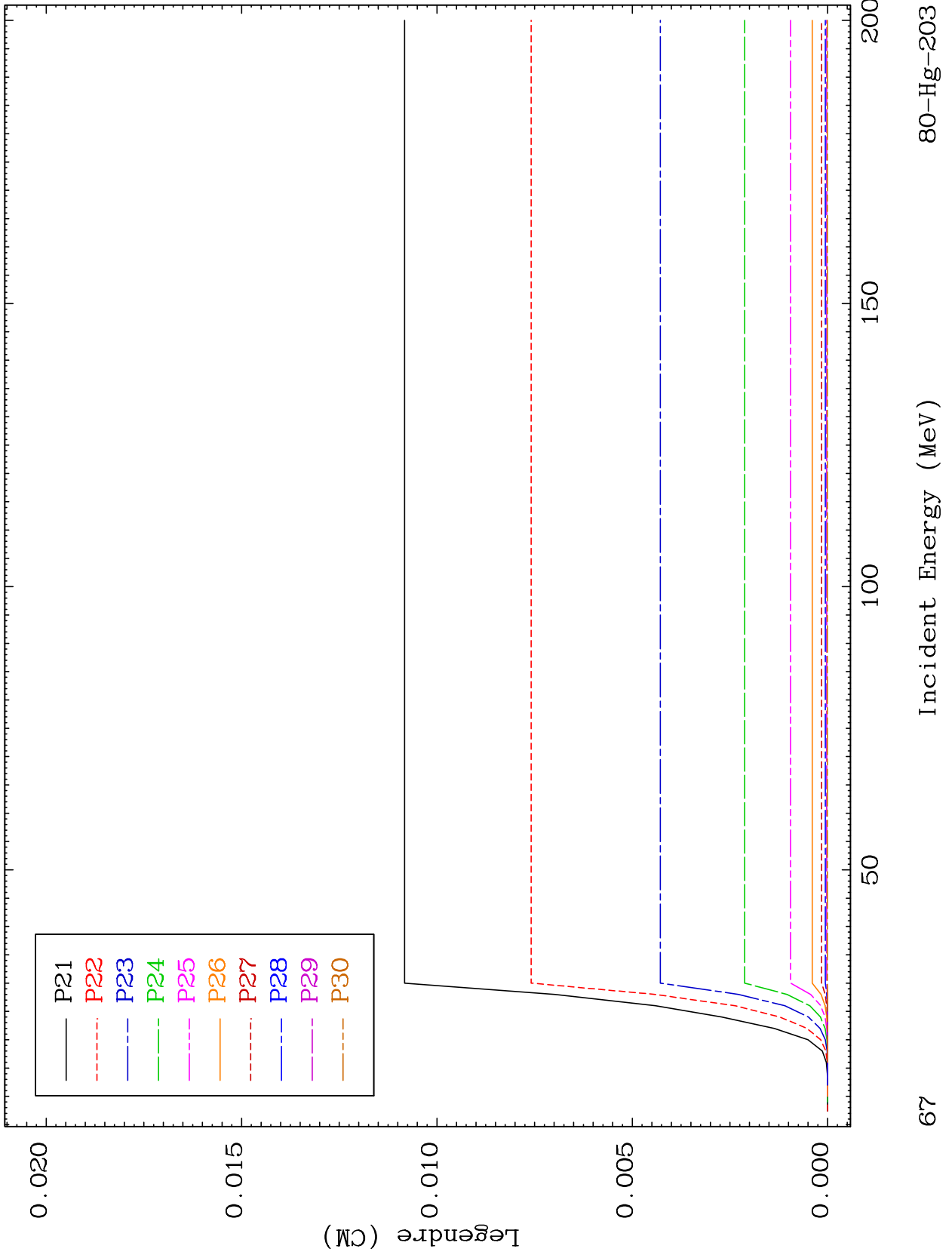
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



67

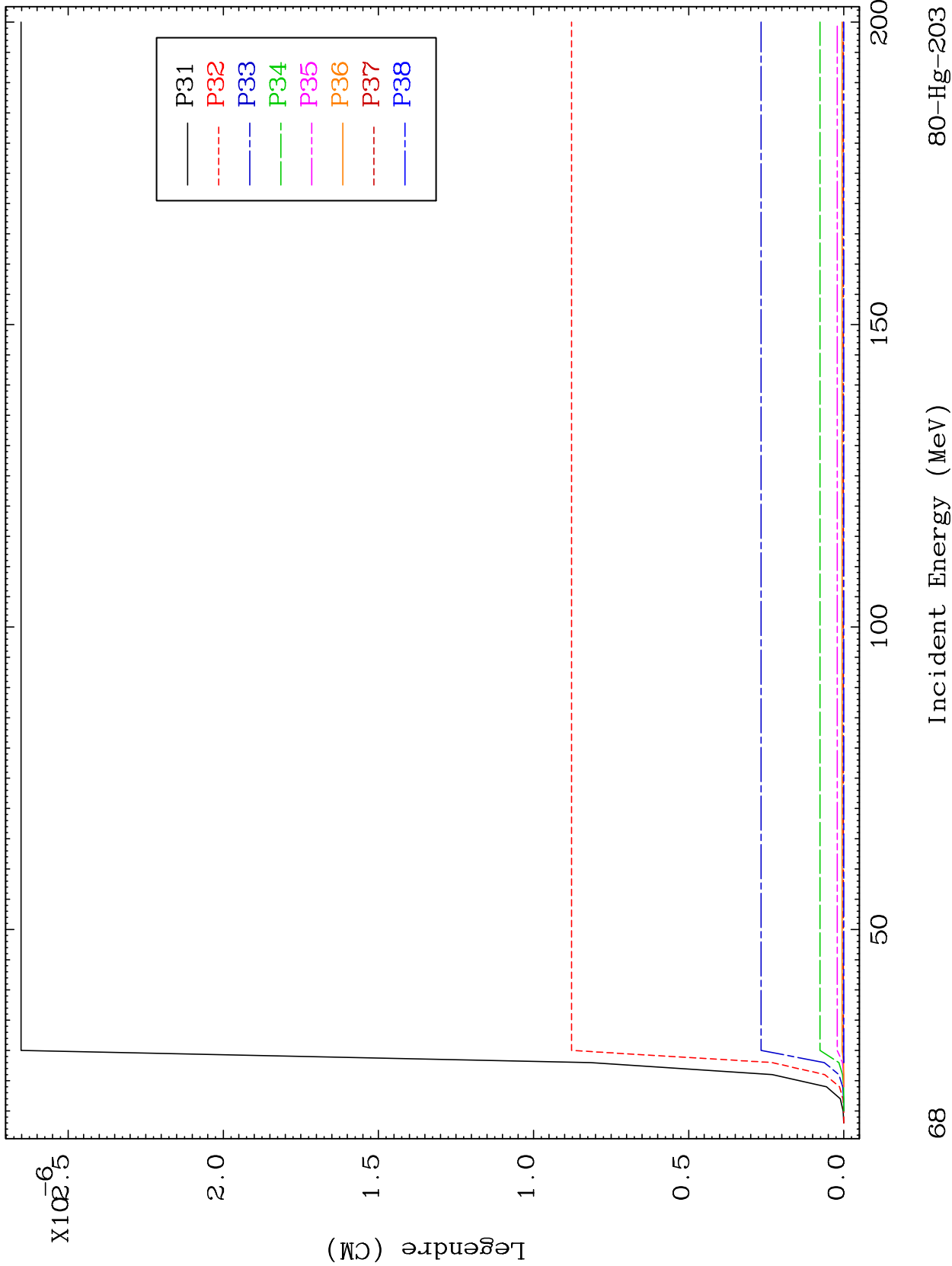
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

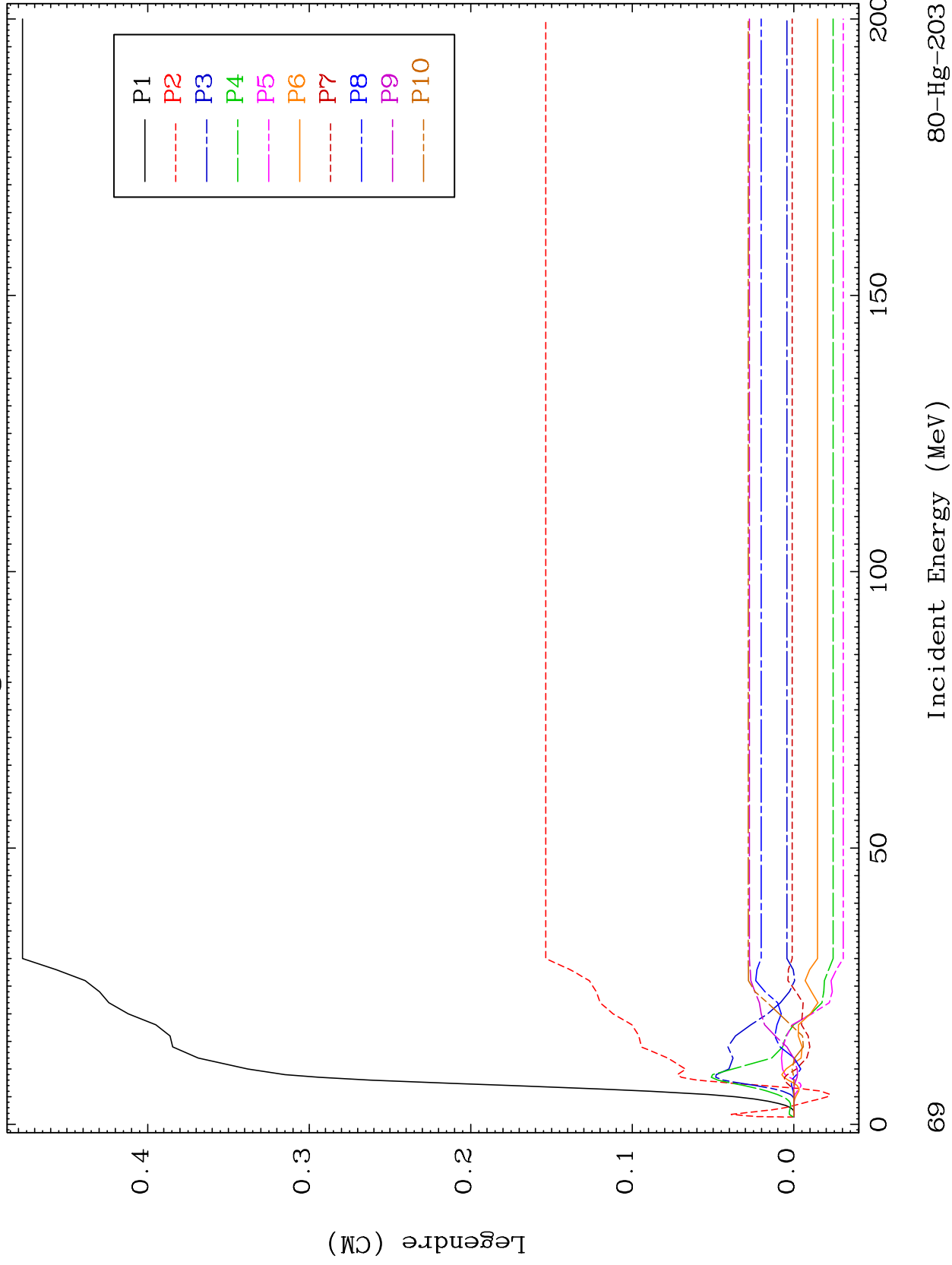
80-Hg-203



MAT 8046

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

80-Hg-203



80-Hg-203

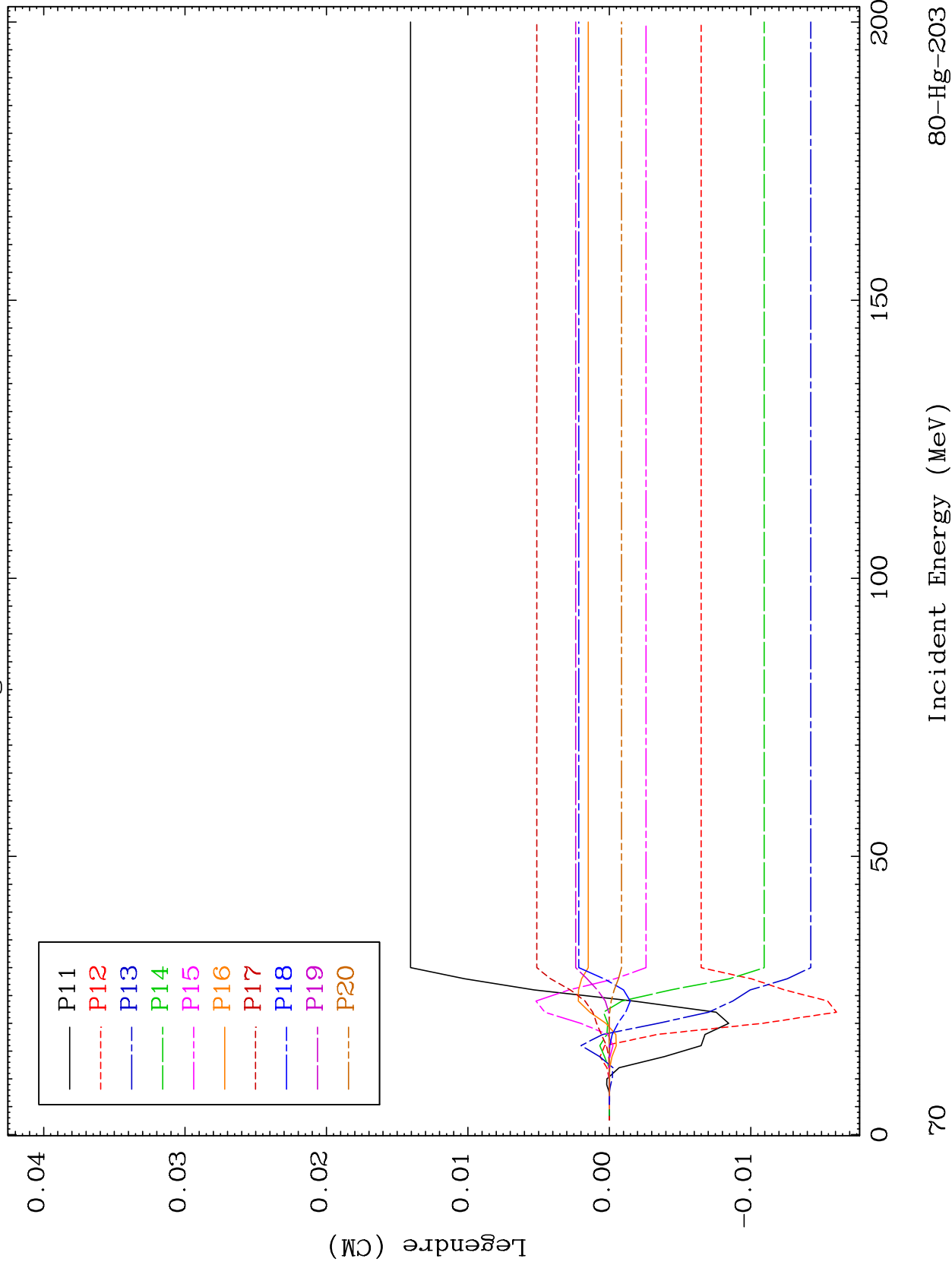
Incident Energy (MeV)

69

MAT 8046

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

80-Hg-203



80-Hg-203

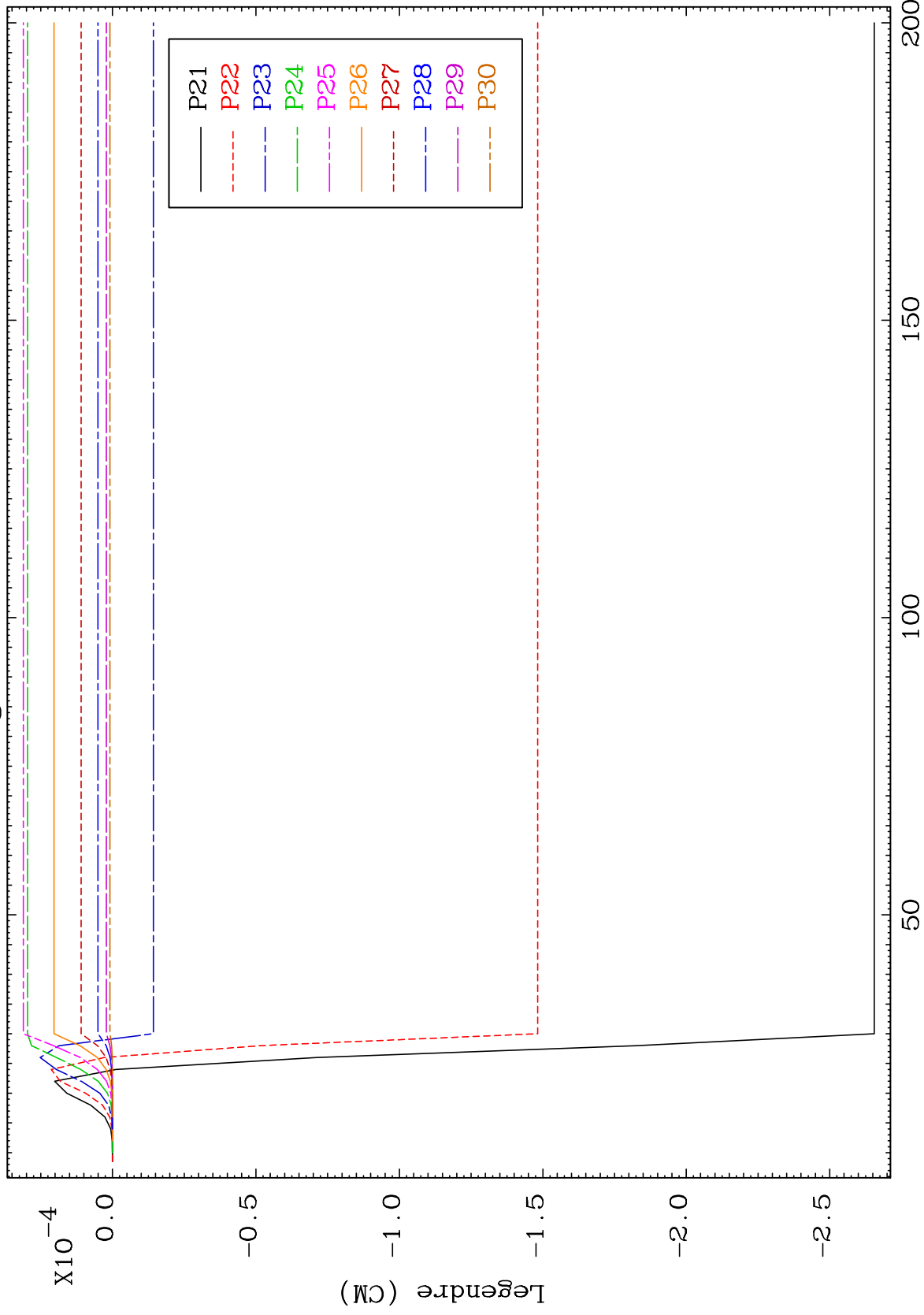
Incident Energy (MeV)

70

MAT 8046

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

80-Hg-203



71

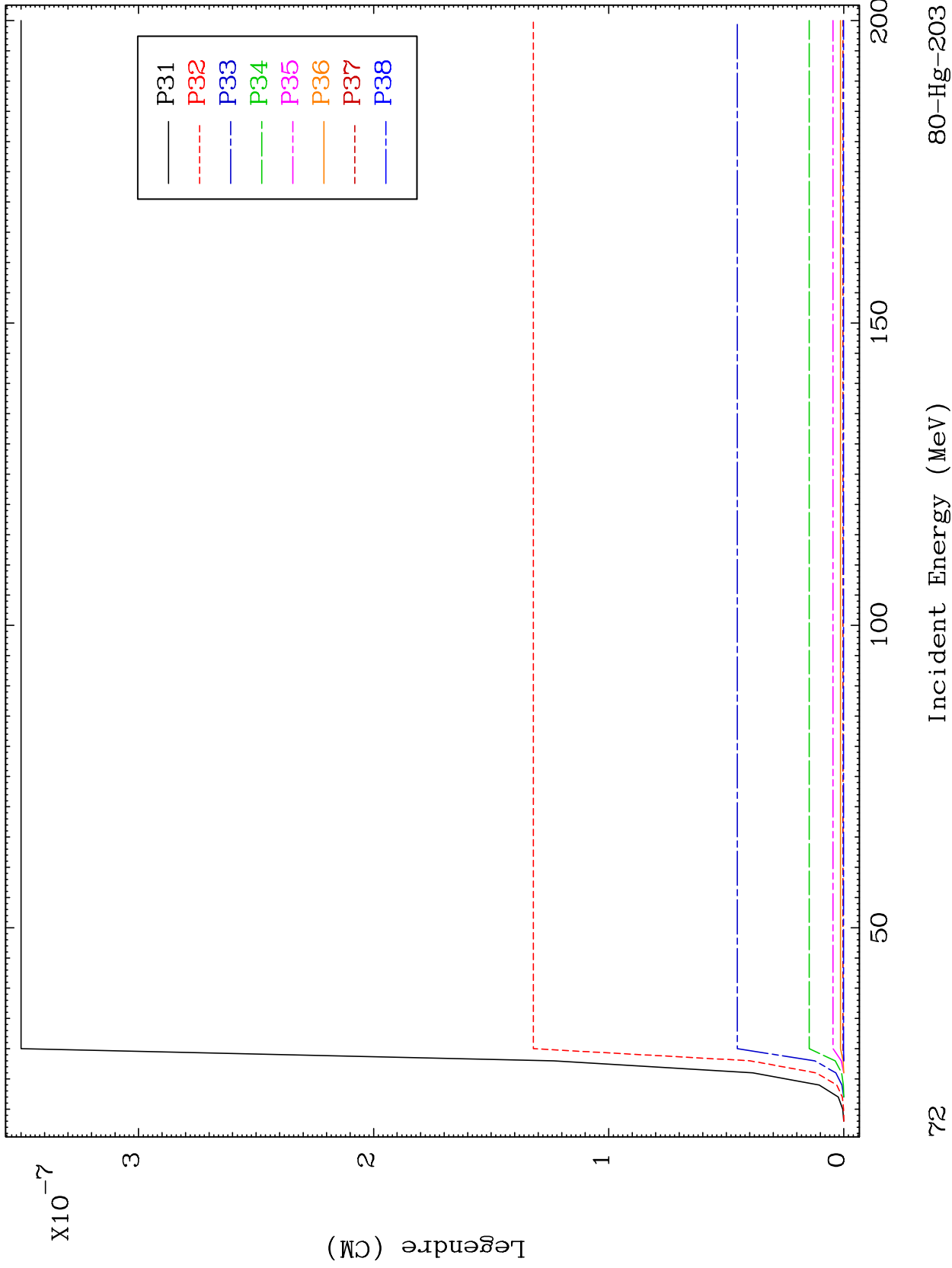
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

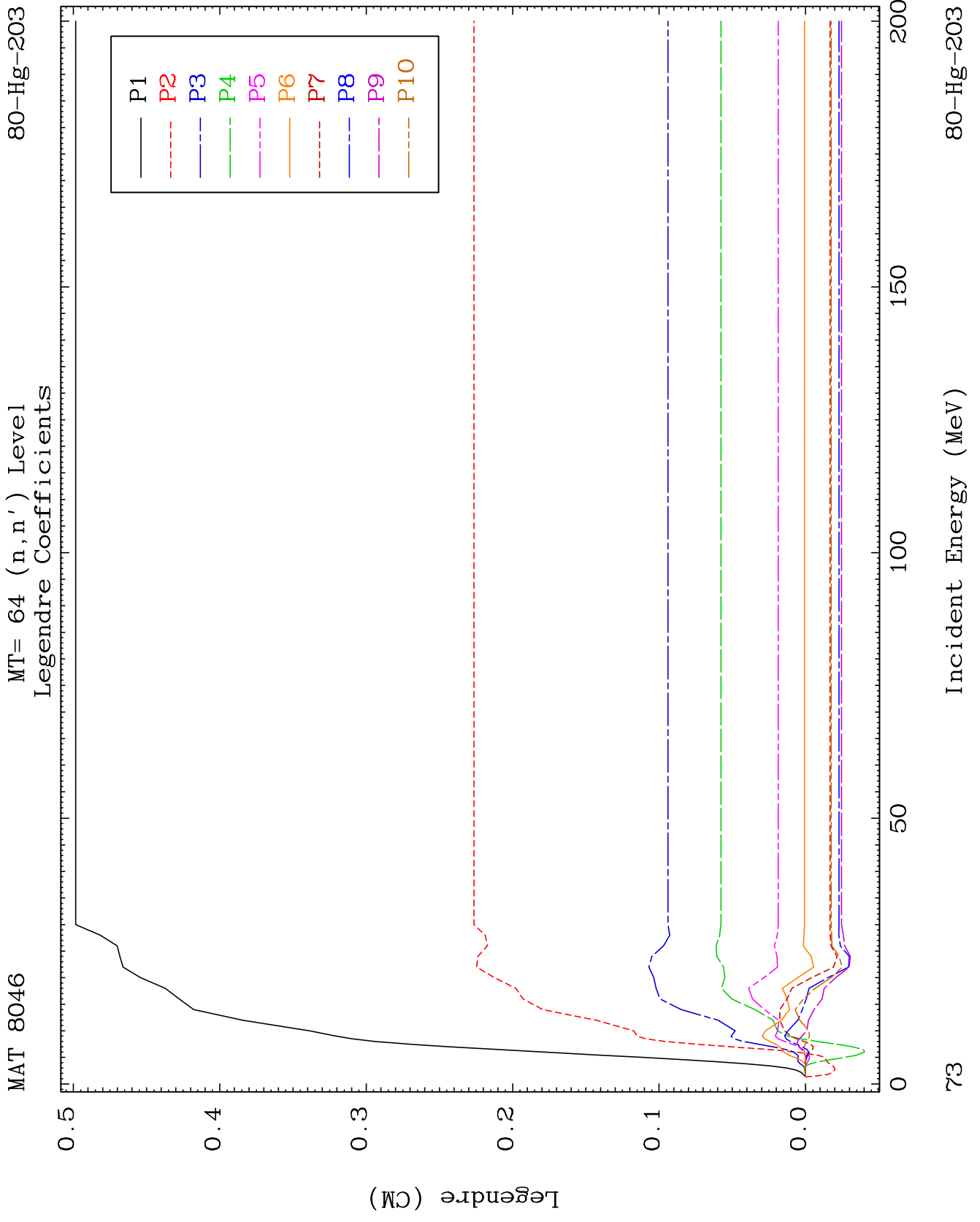
80-Hg-203



72

Incident Energy (MeV)

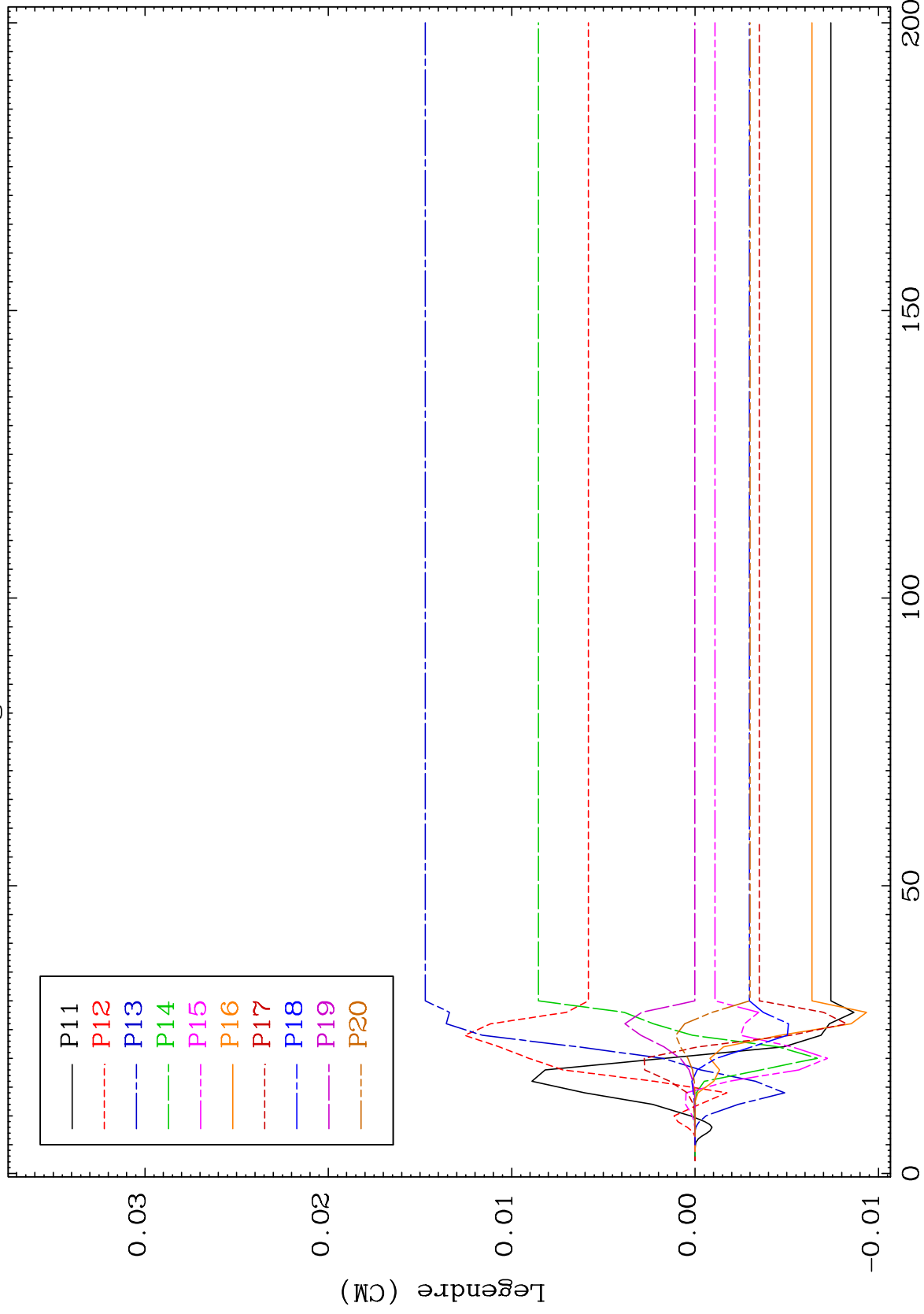
80-Hg-203



MAT 8046

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

80-Hg-203



74

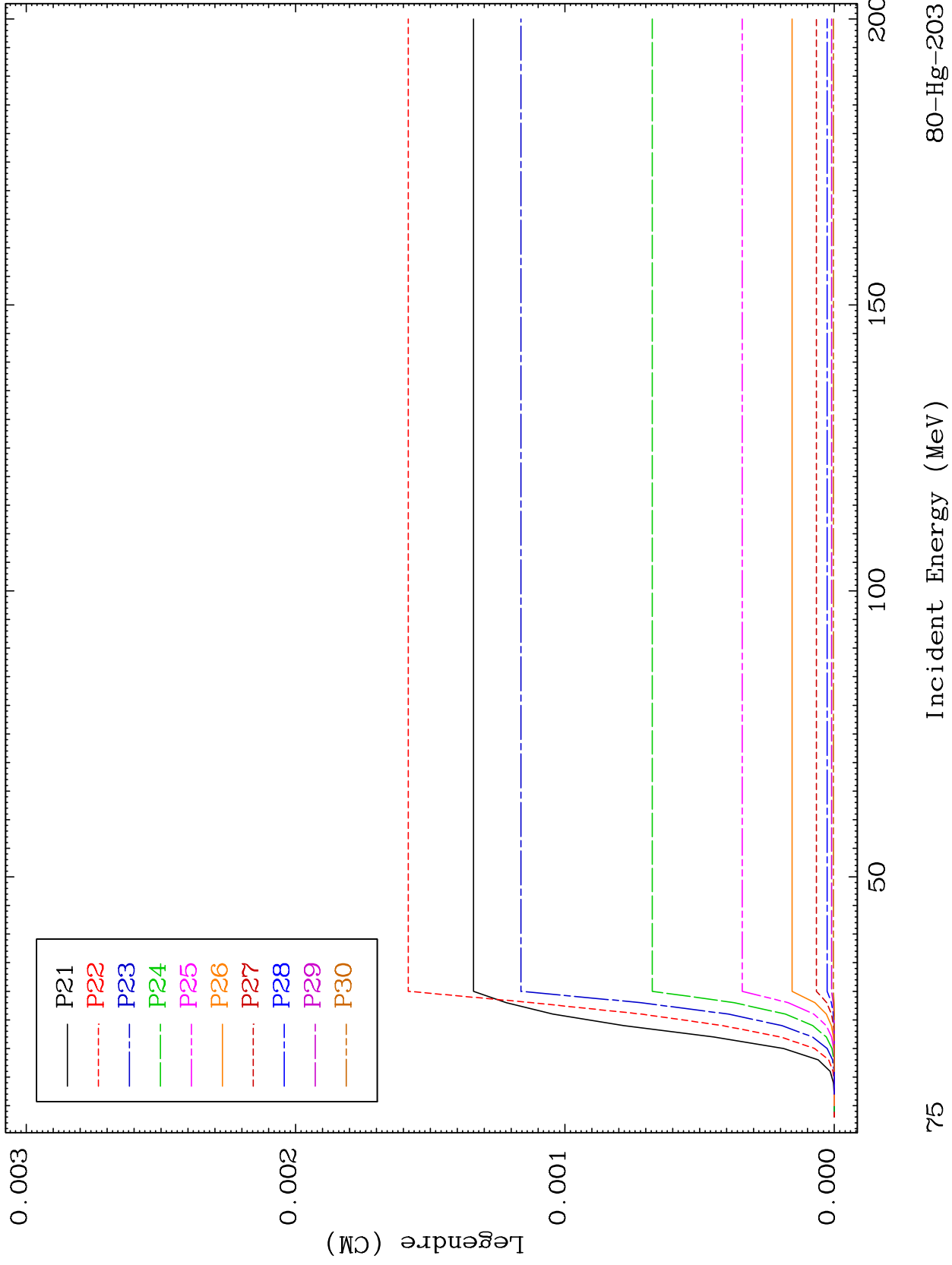
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



75

Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203

$\times 10^{-6}$

1.2

1.0

0.8

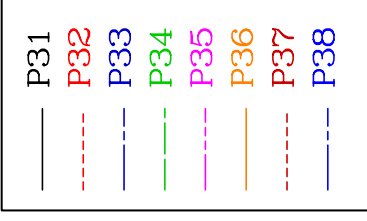
0.6

0.4

0.2

0.0

Legendre (CM)



50

100

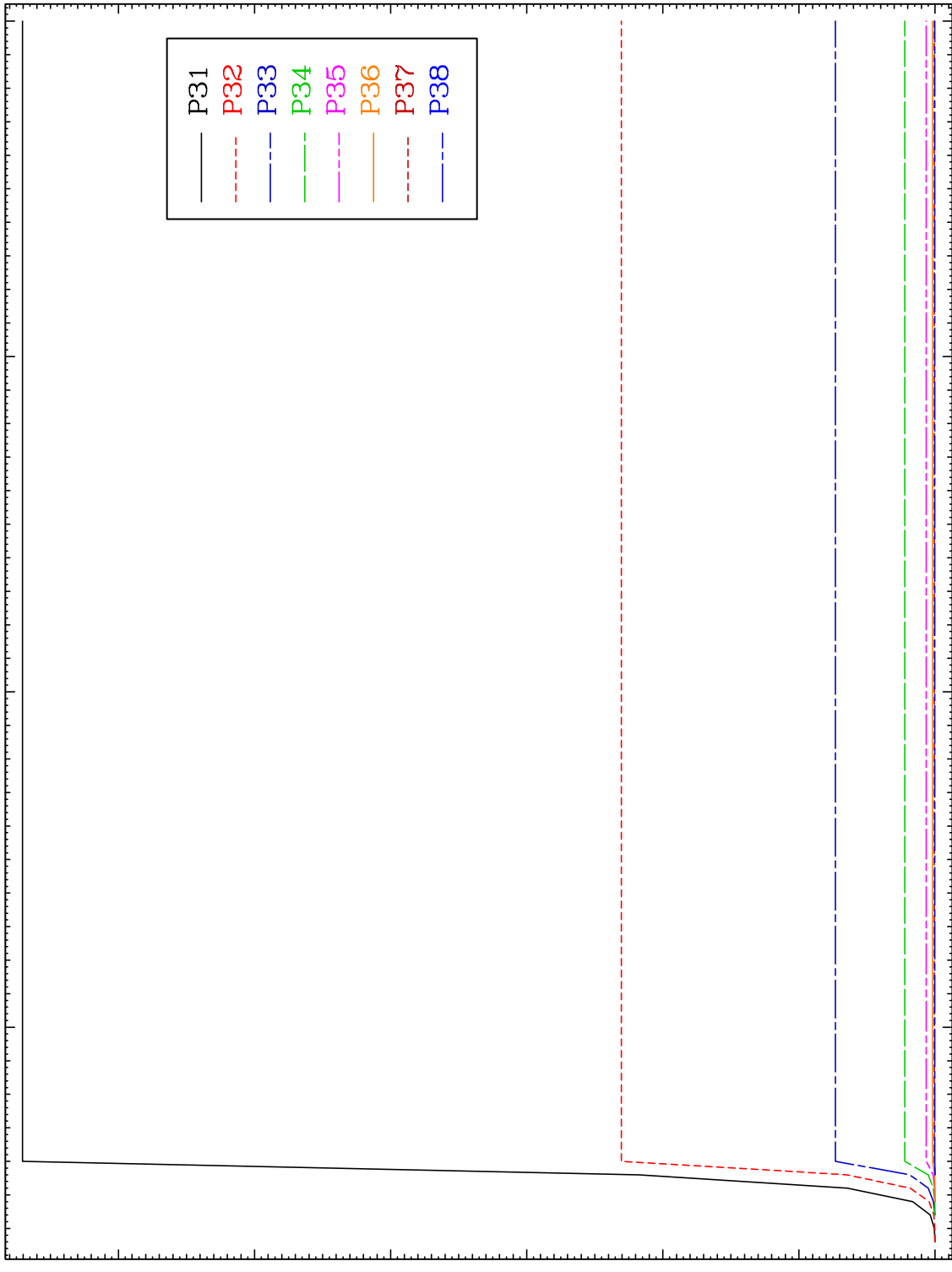
150

200

76

Incident Energy (MeV)

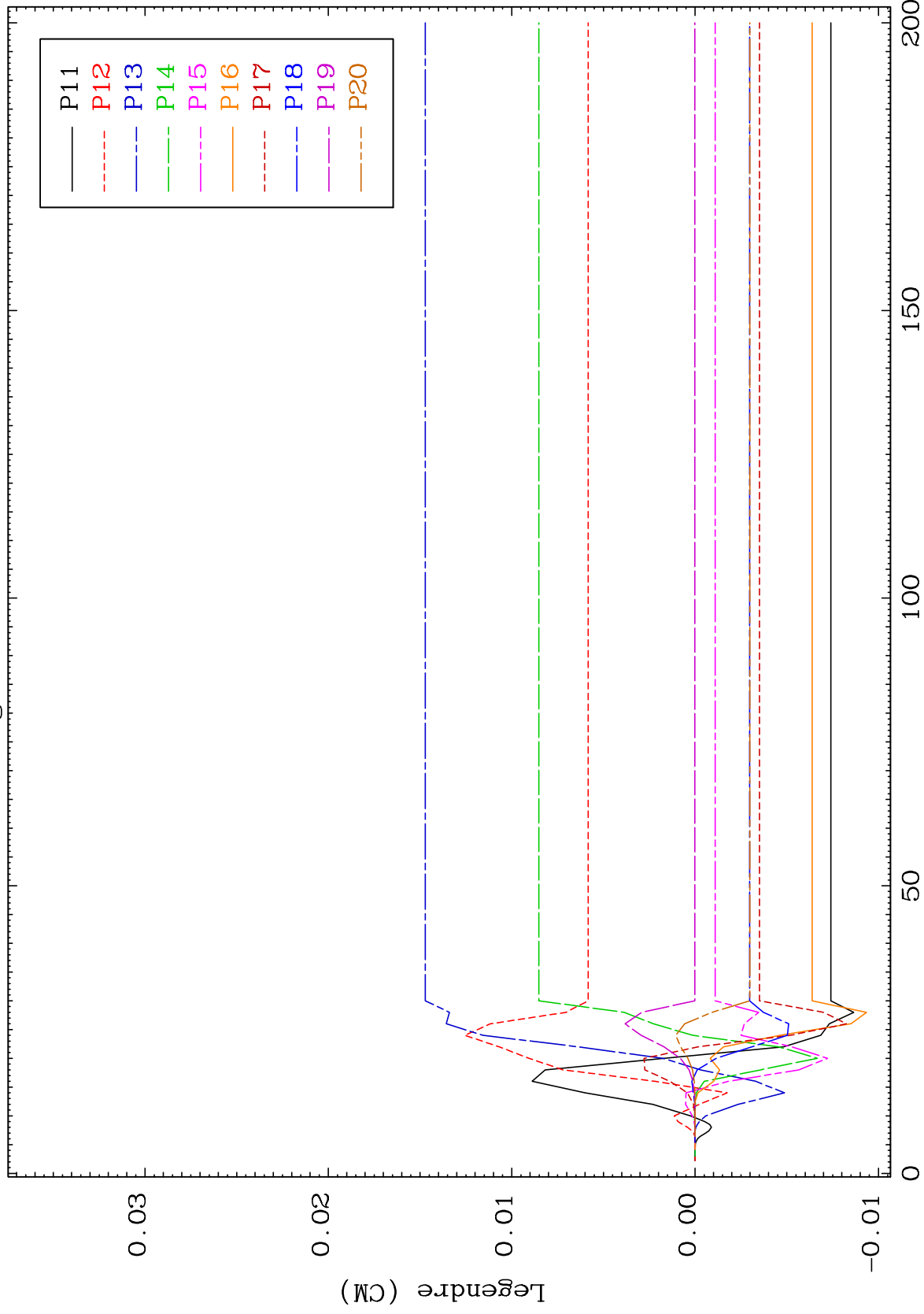
80-Hg-203



MAT 8046

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

80-Hg-203



78

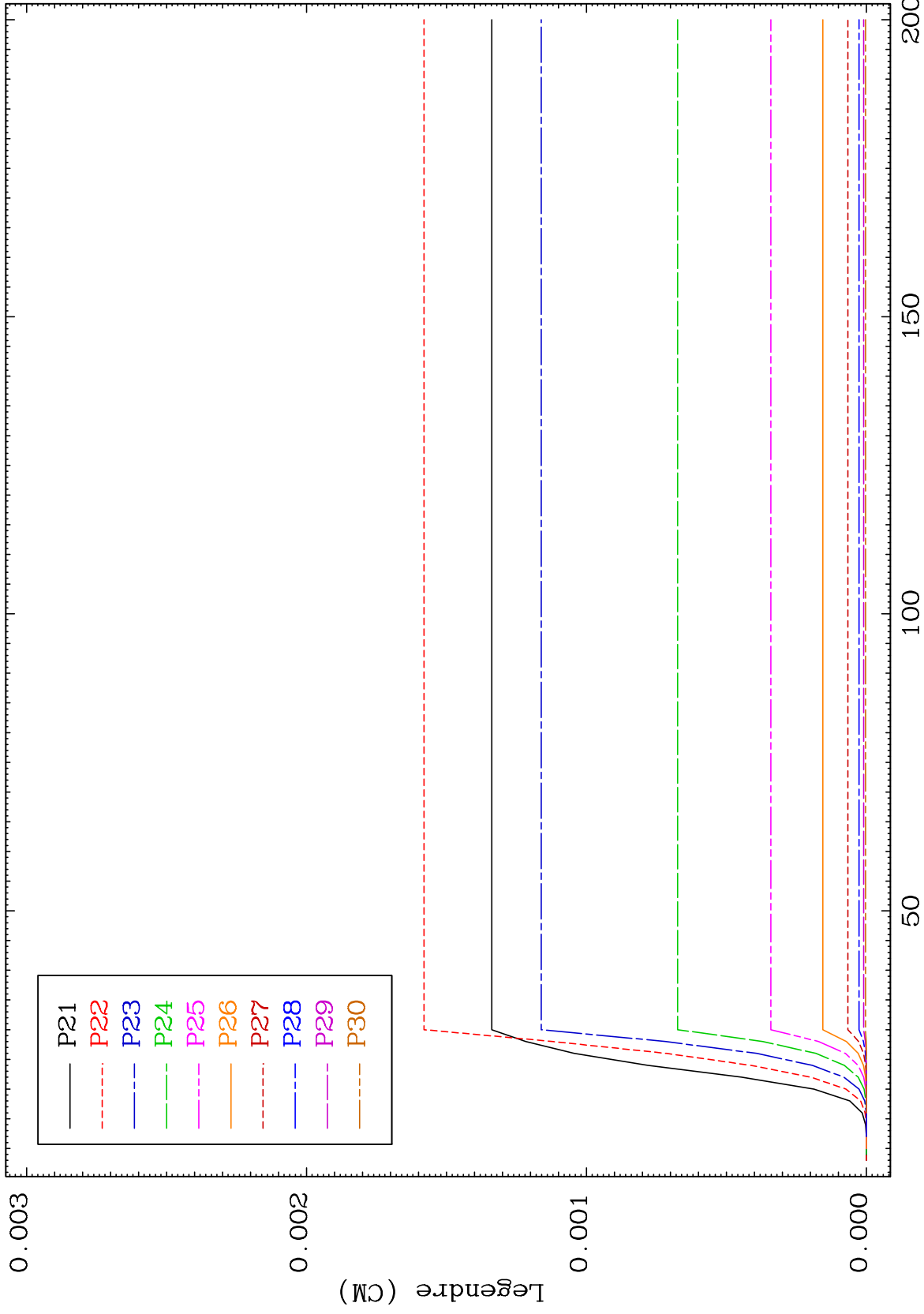
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

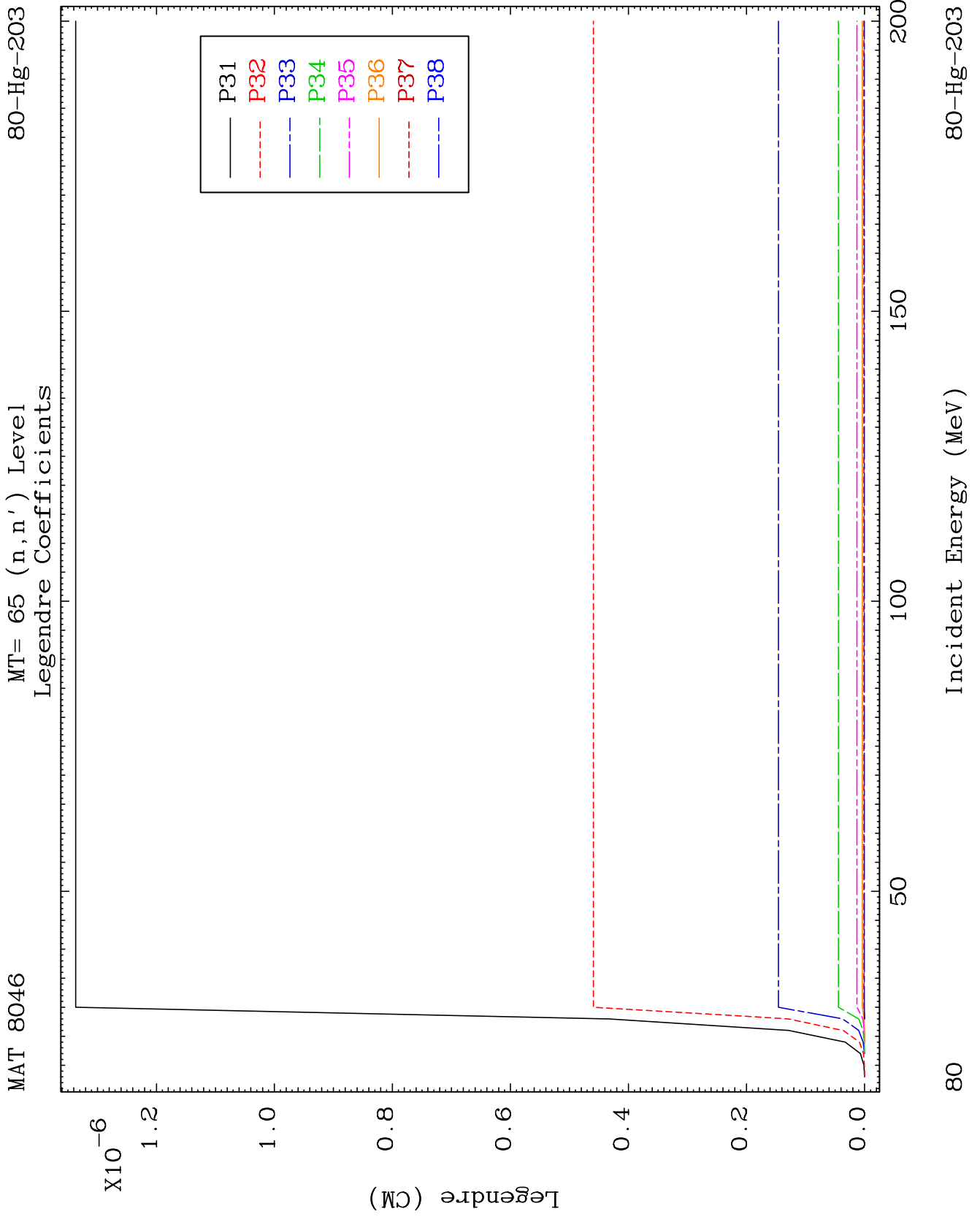
80-Hg-203



79

Incident Energy (MeV)

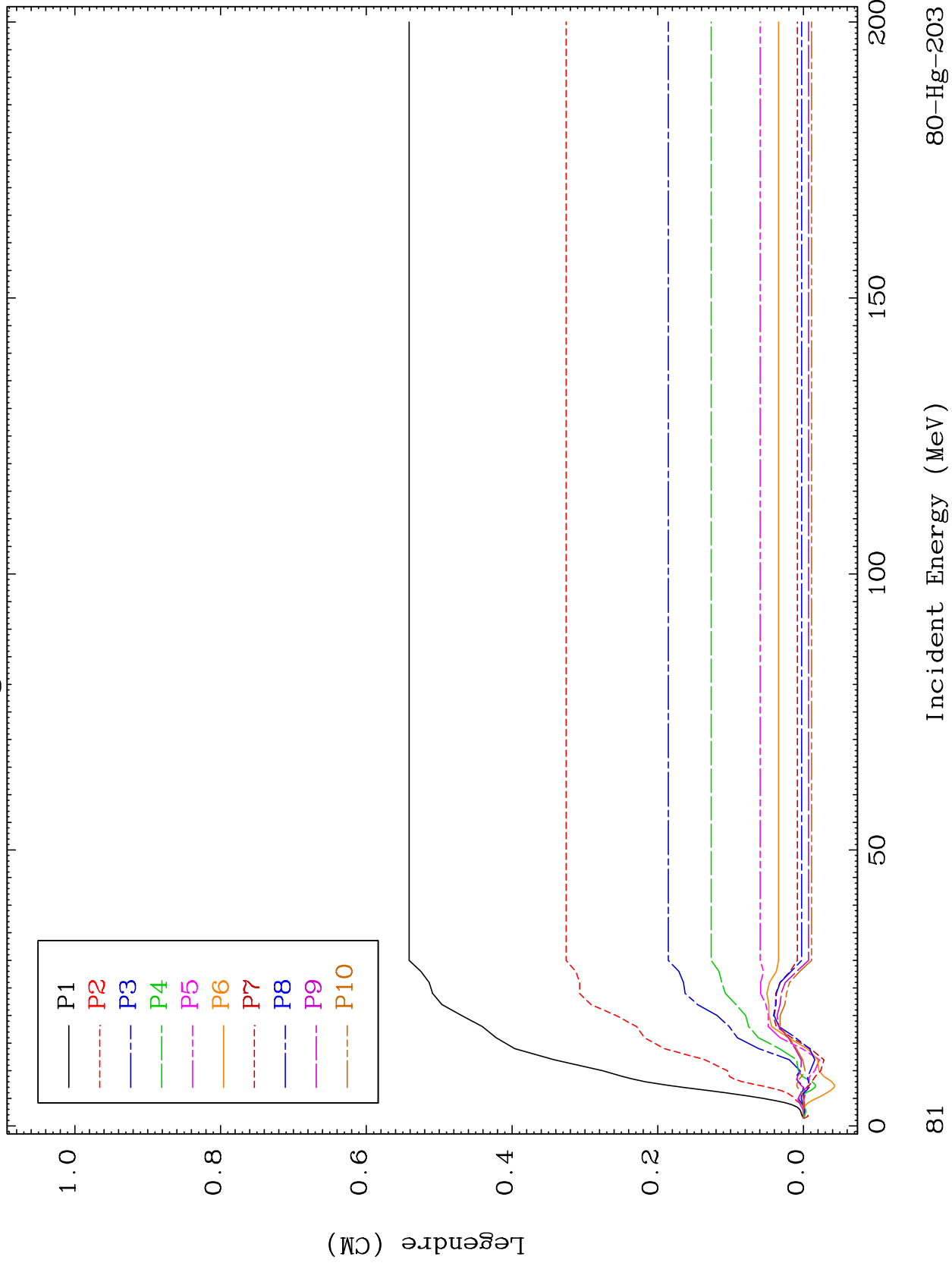
80-Hg-203



MAT 8046

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

80-Hg-203

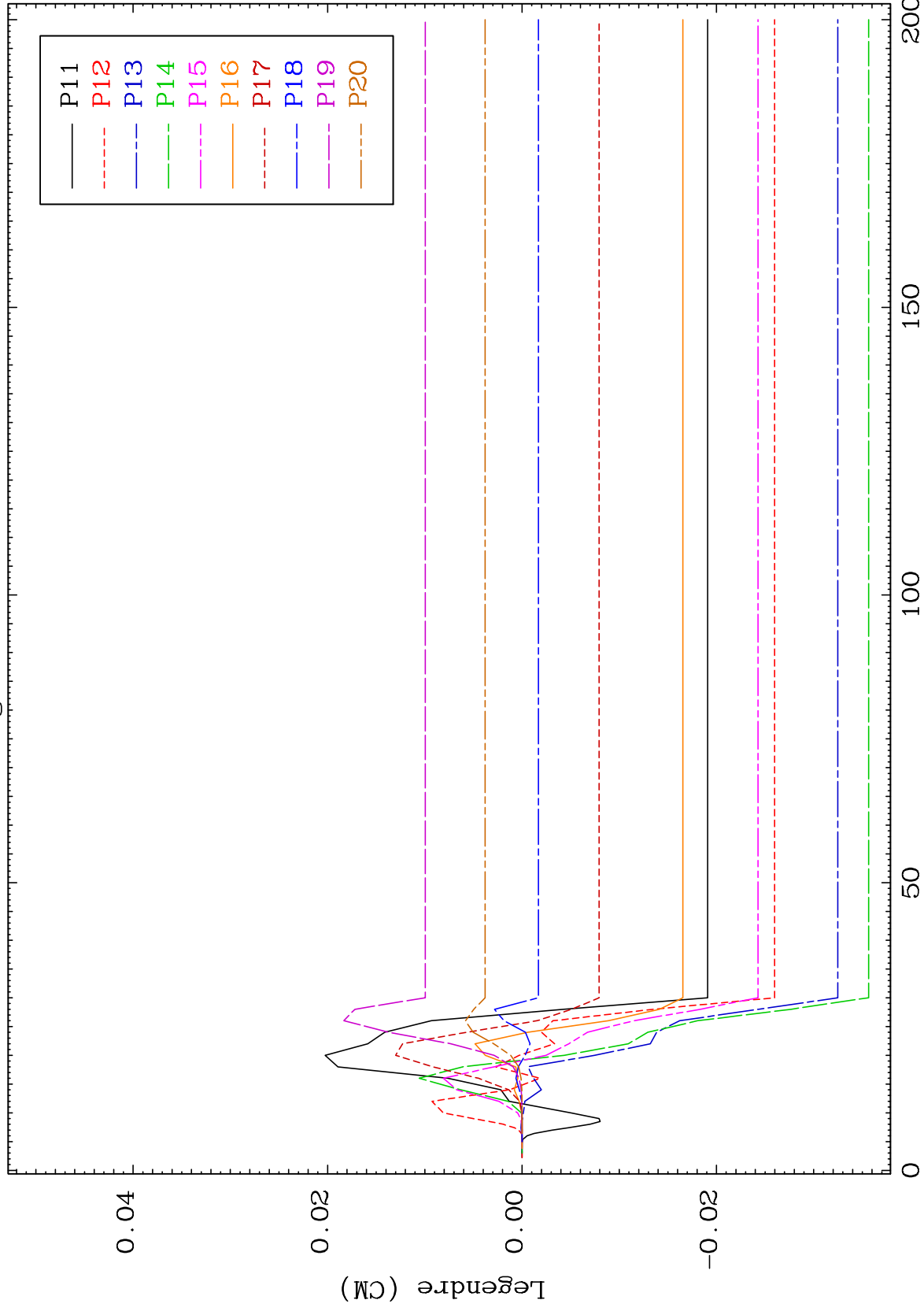


81

MAT 8046

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

80-Hg-203



82

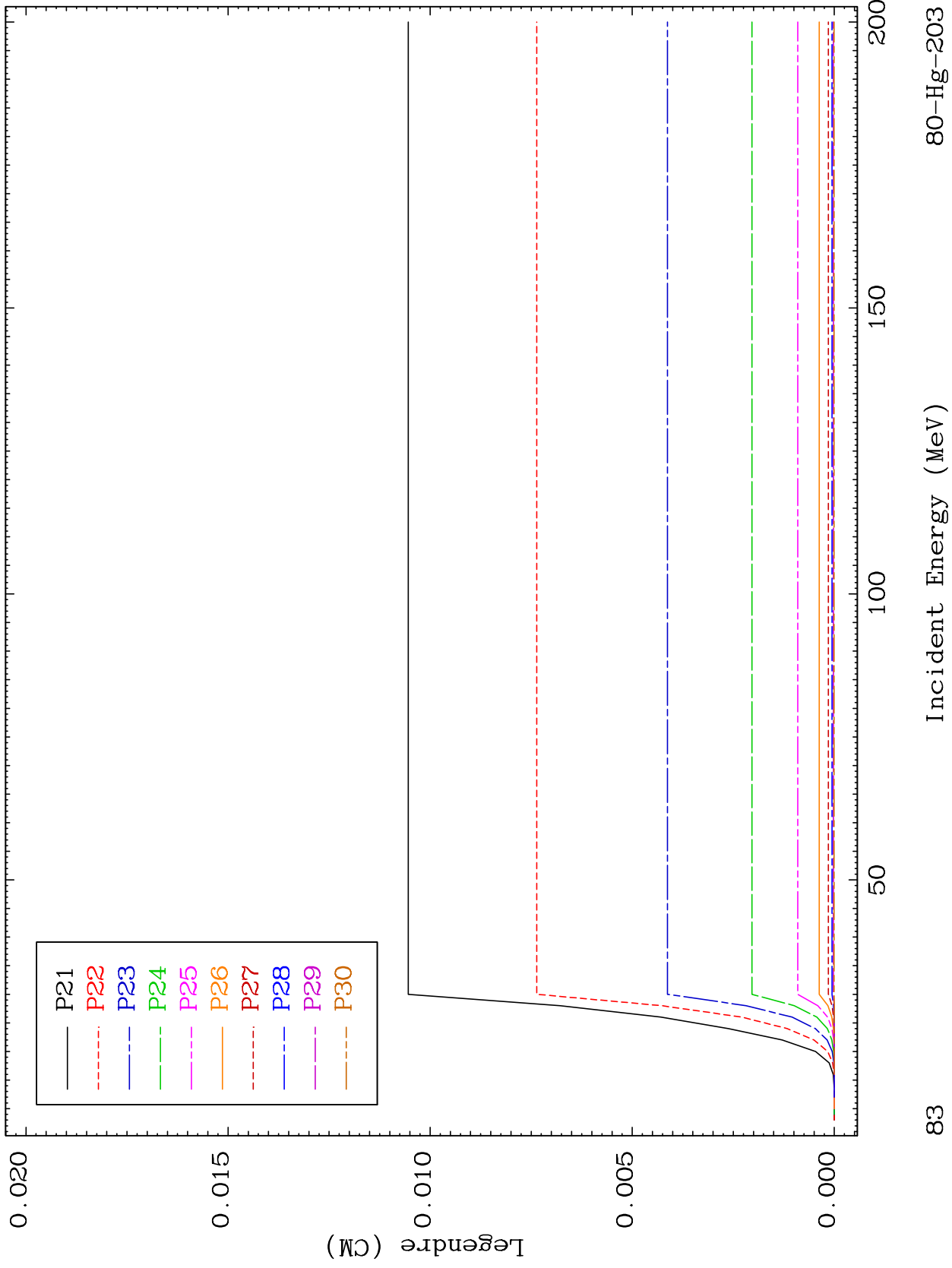
Incident Energy (MeV)

80-Hg-203

MAT 8046

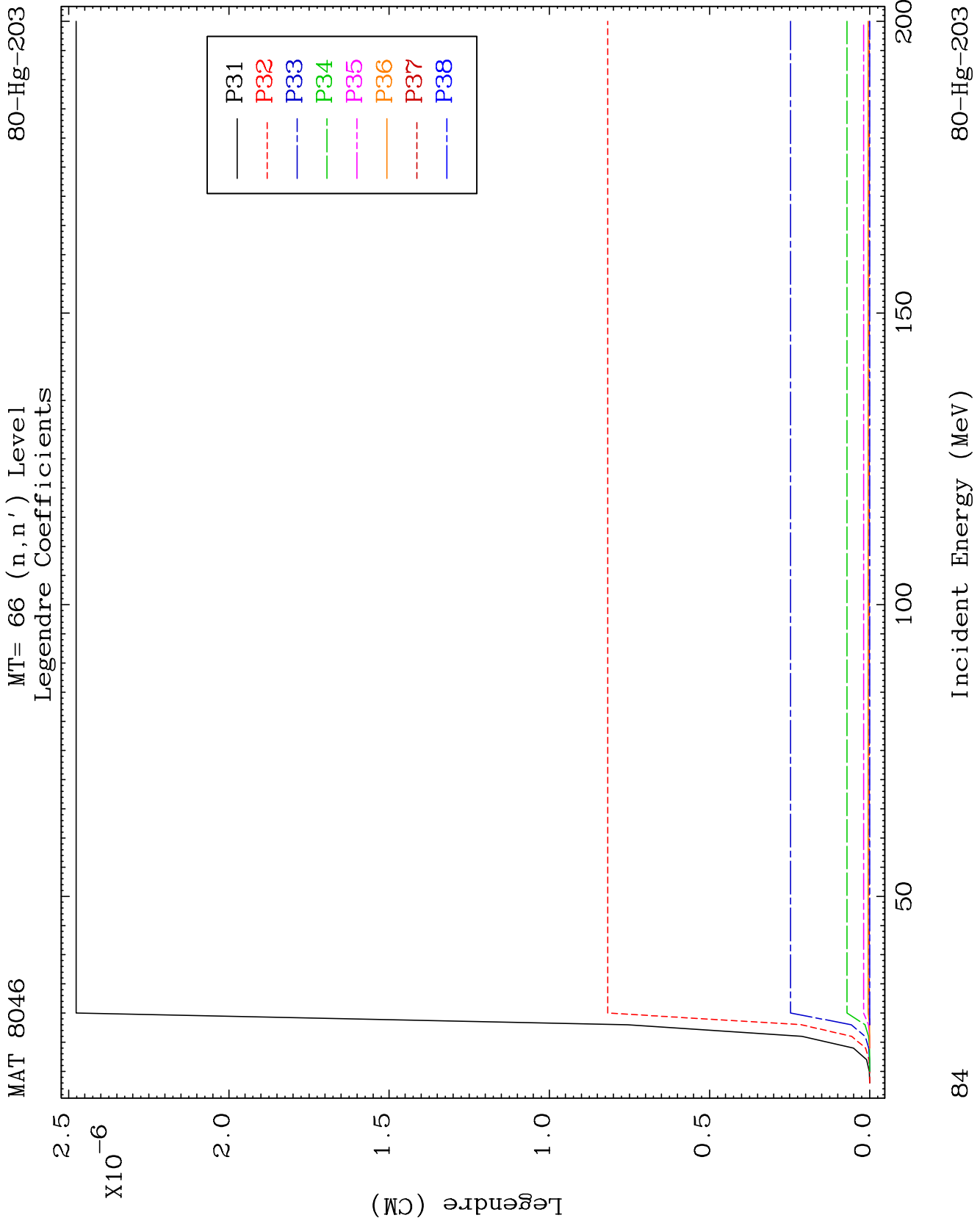
MT= 66 (n,n') Level
Legendre Coefficients

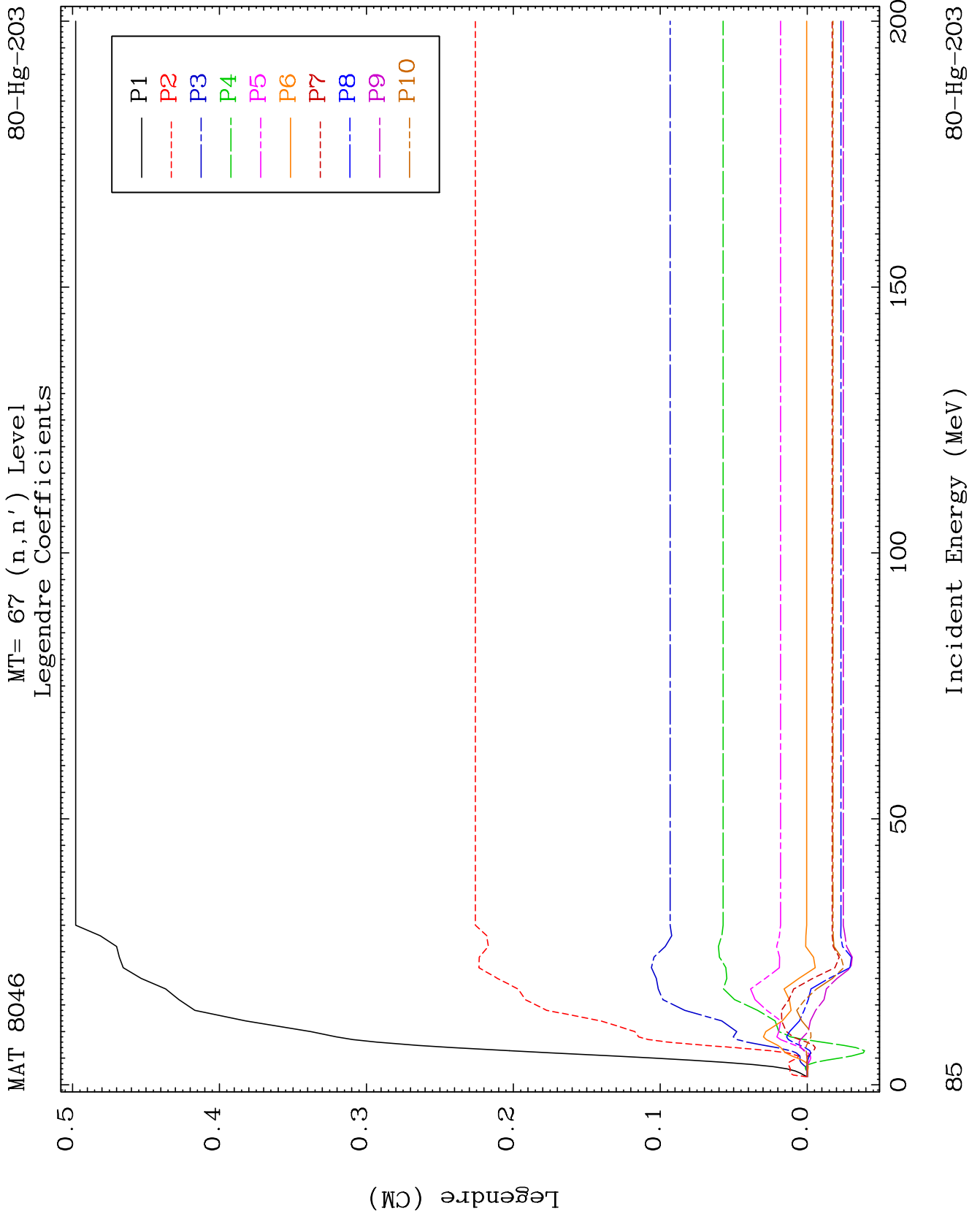
80-Hg-203



83

80-Hg-203

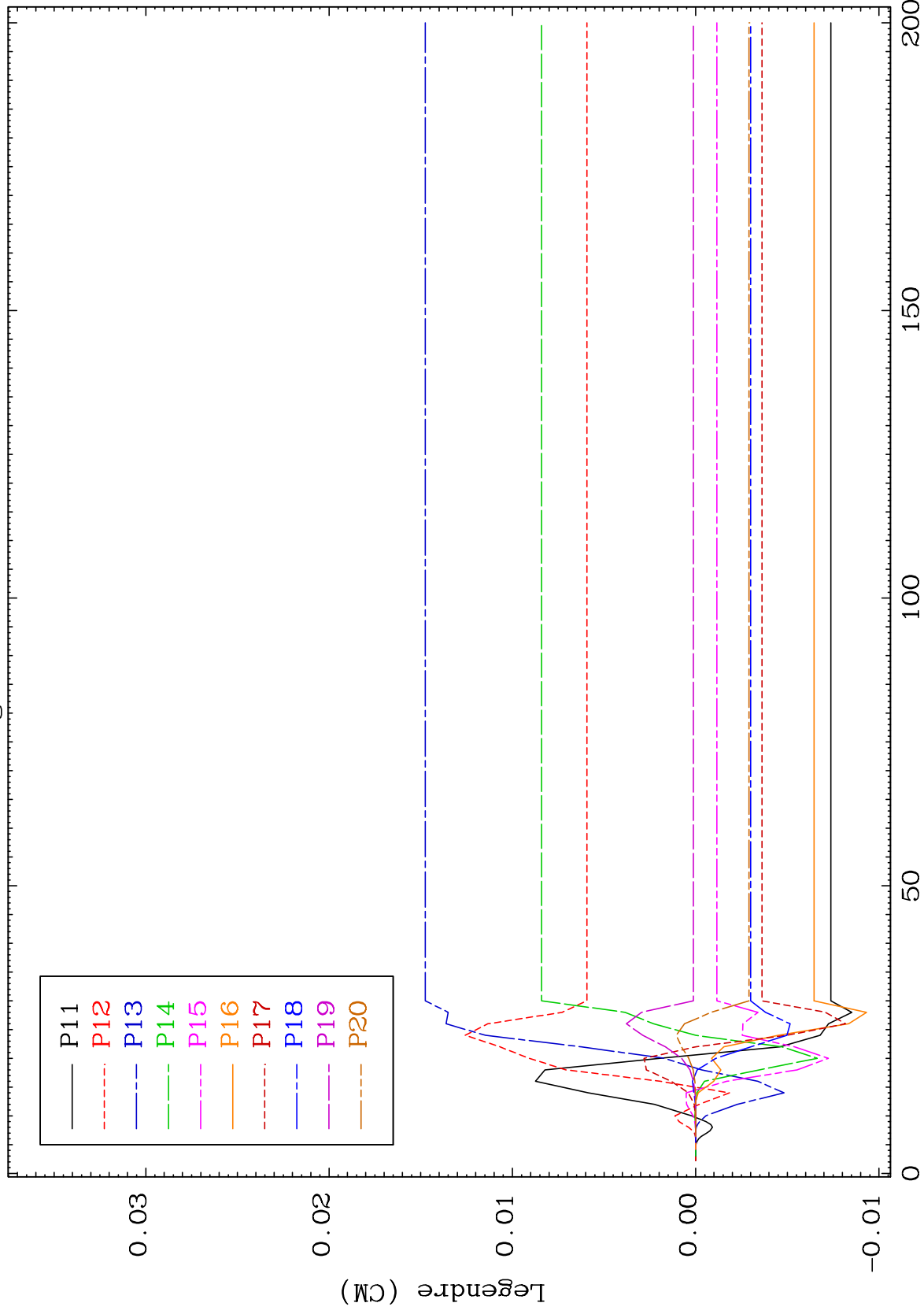




MAT 8046

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

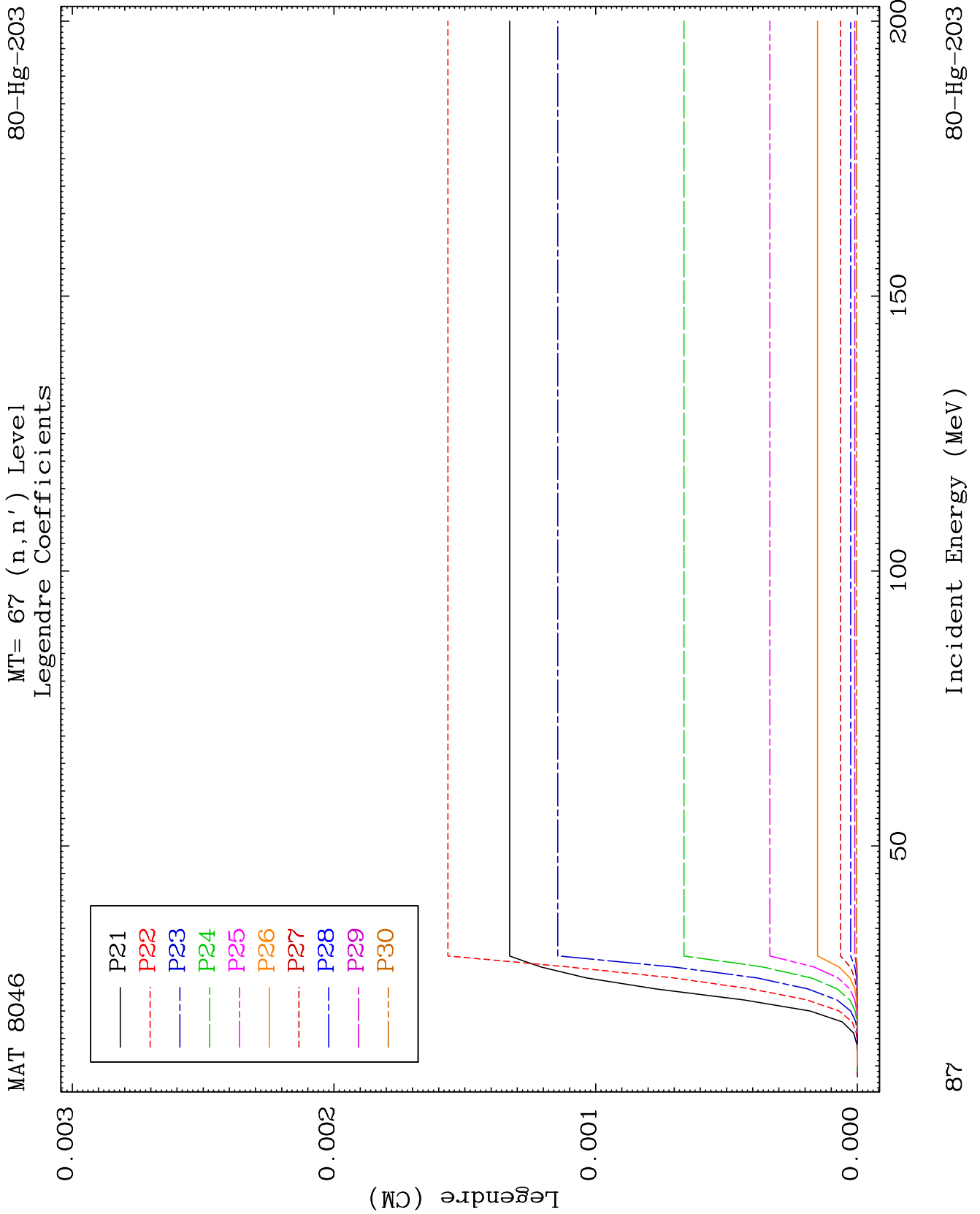
80-Hg-203



86

Incident Energy (MeV)

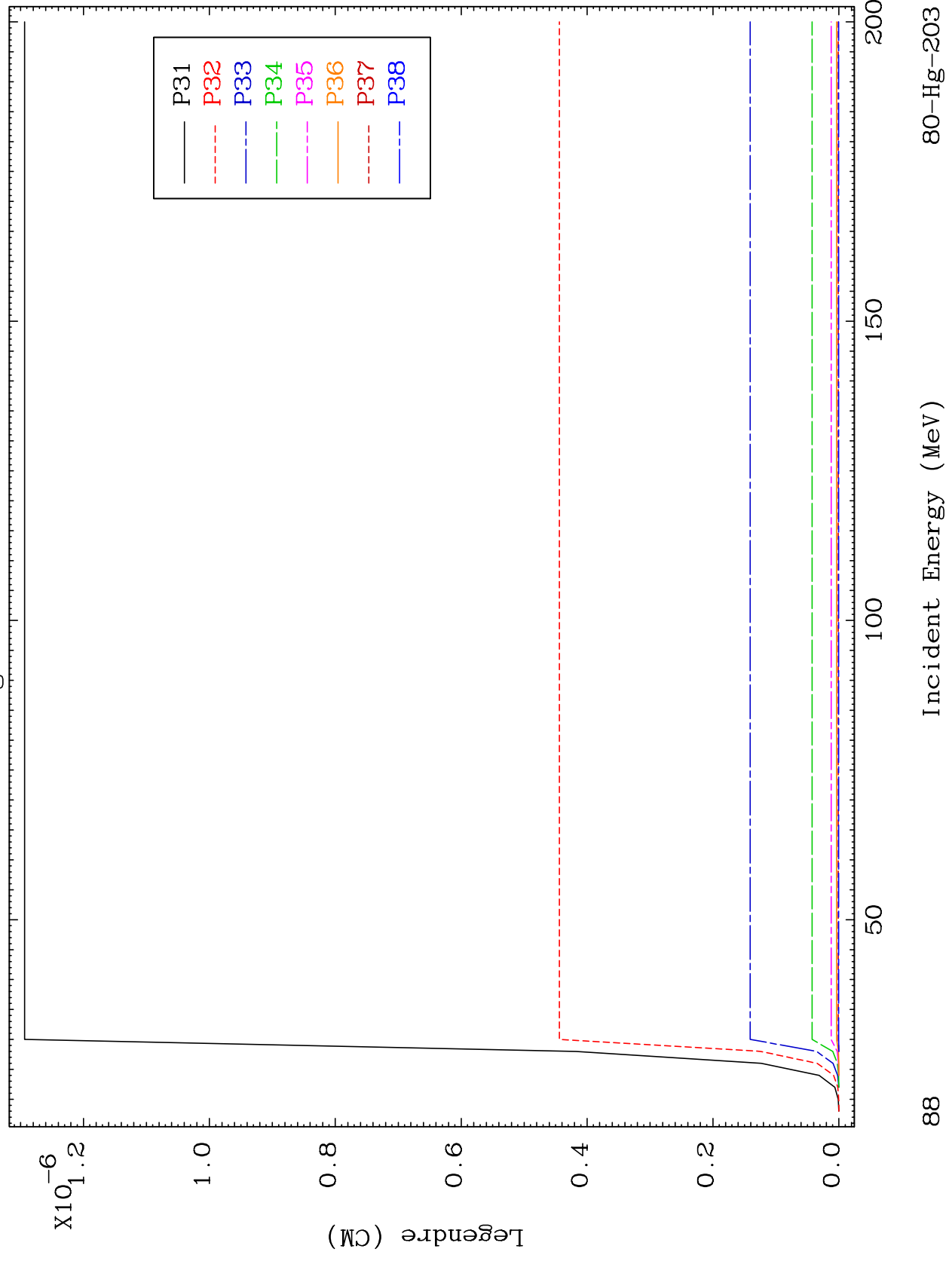
80-Hg-203



MAT 8046

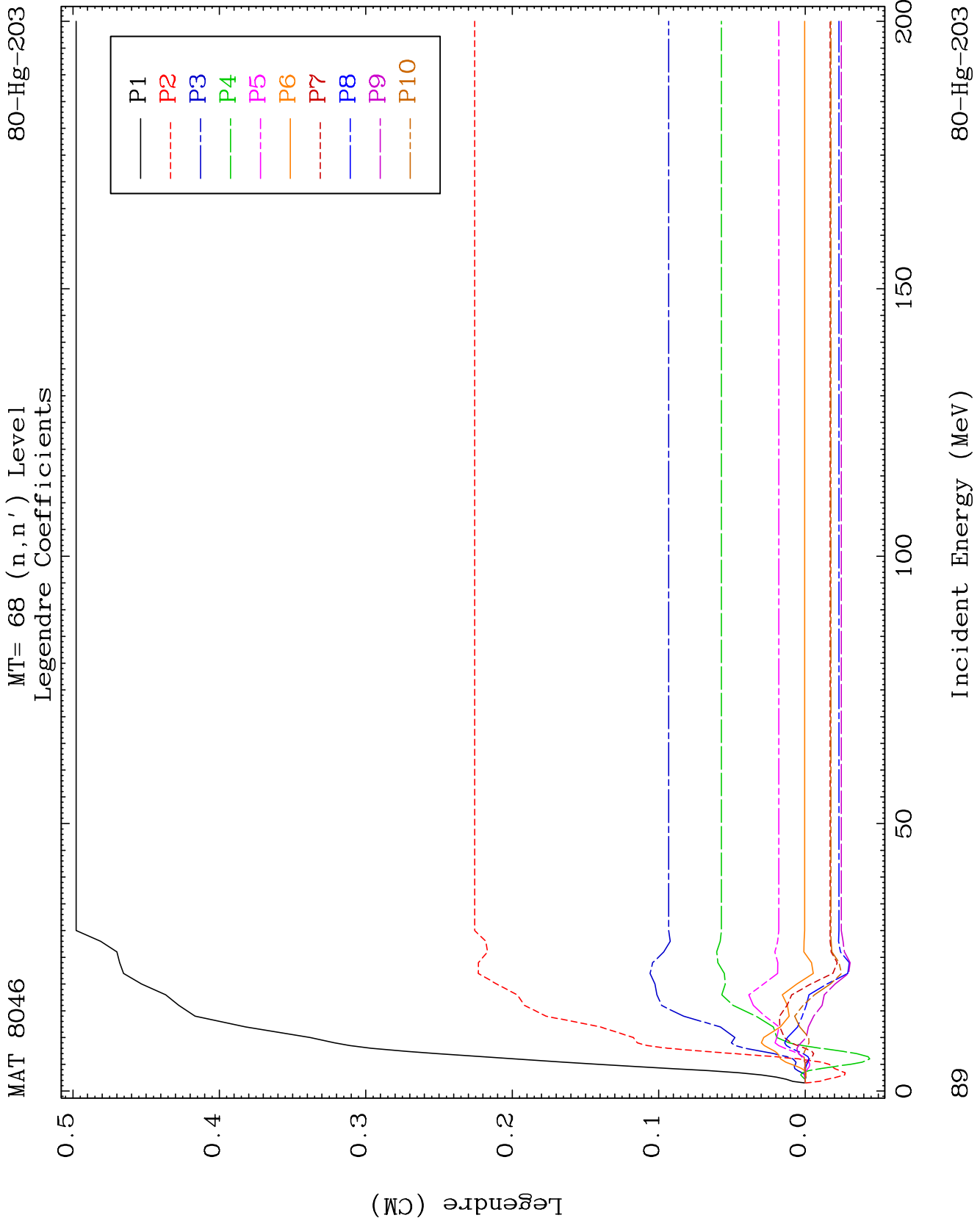
MT= 67 (n,n') Level
Legendre Coefficients

80-Hg-203



88

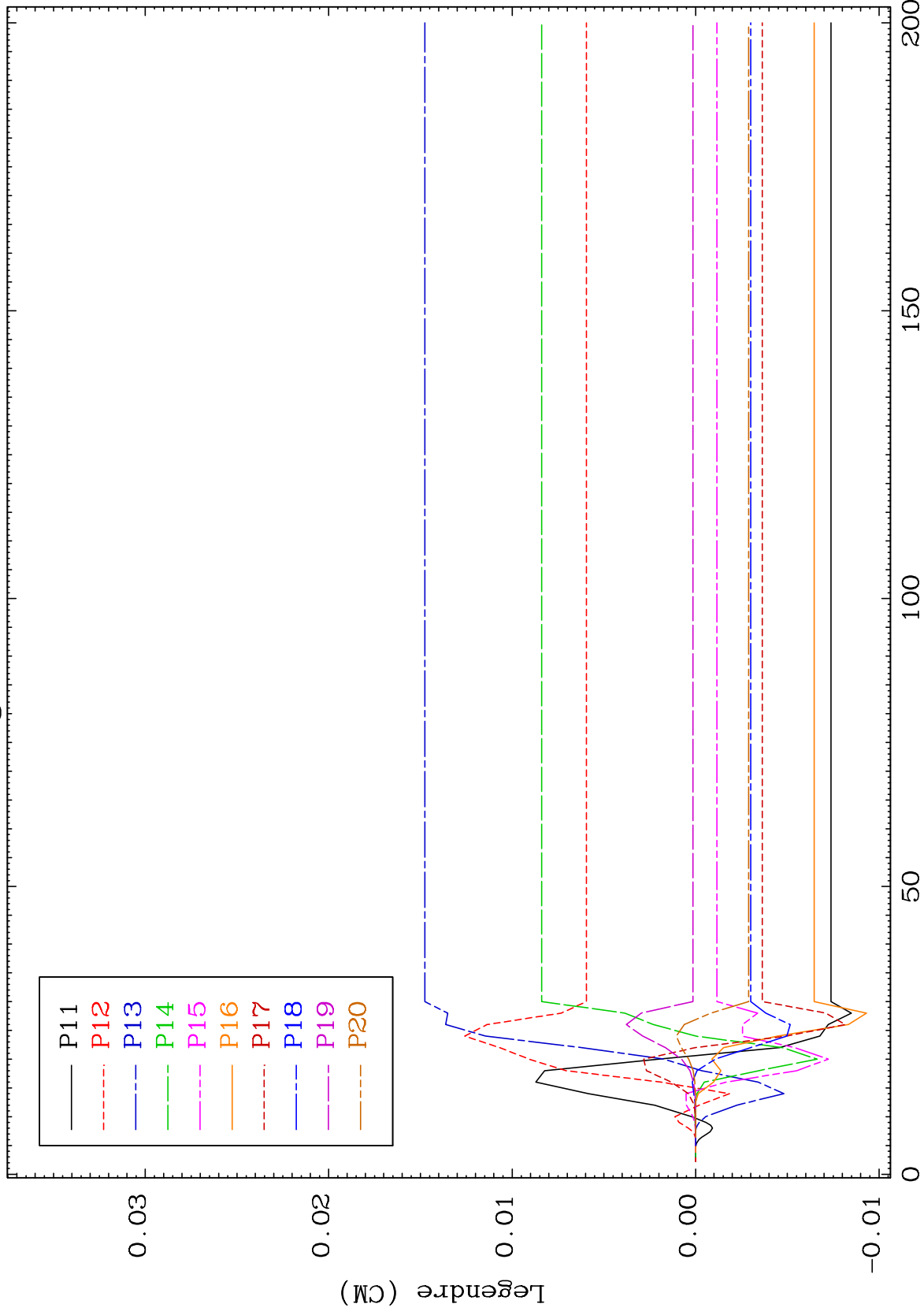
80-Hg-203



MAT 8046

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

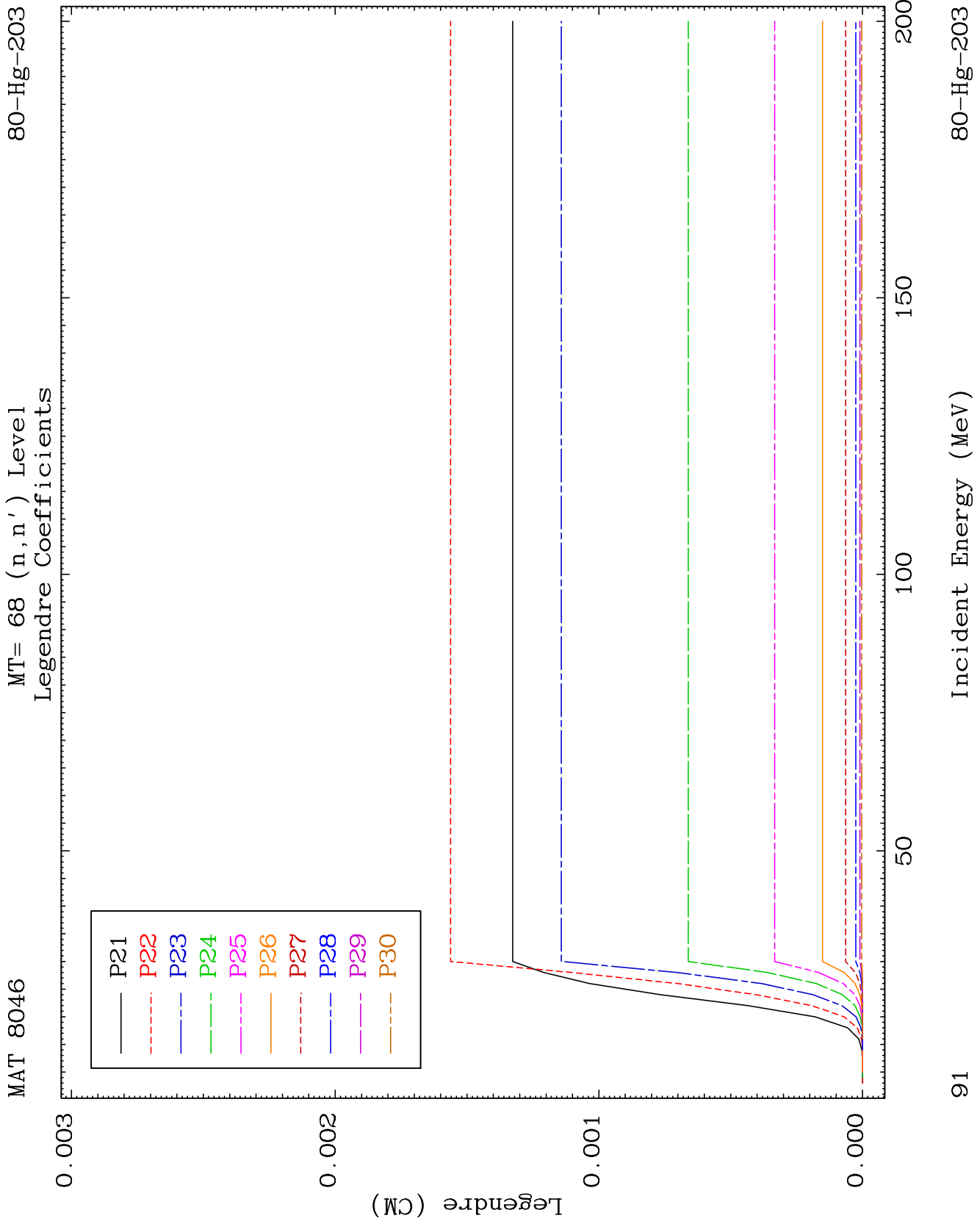
80-Hg-203



90

Incident Energy (MeV)

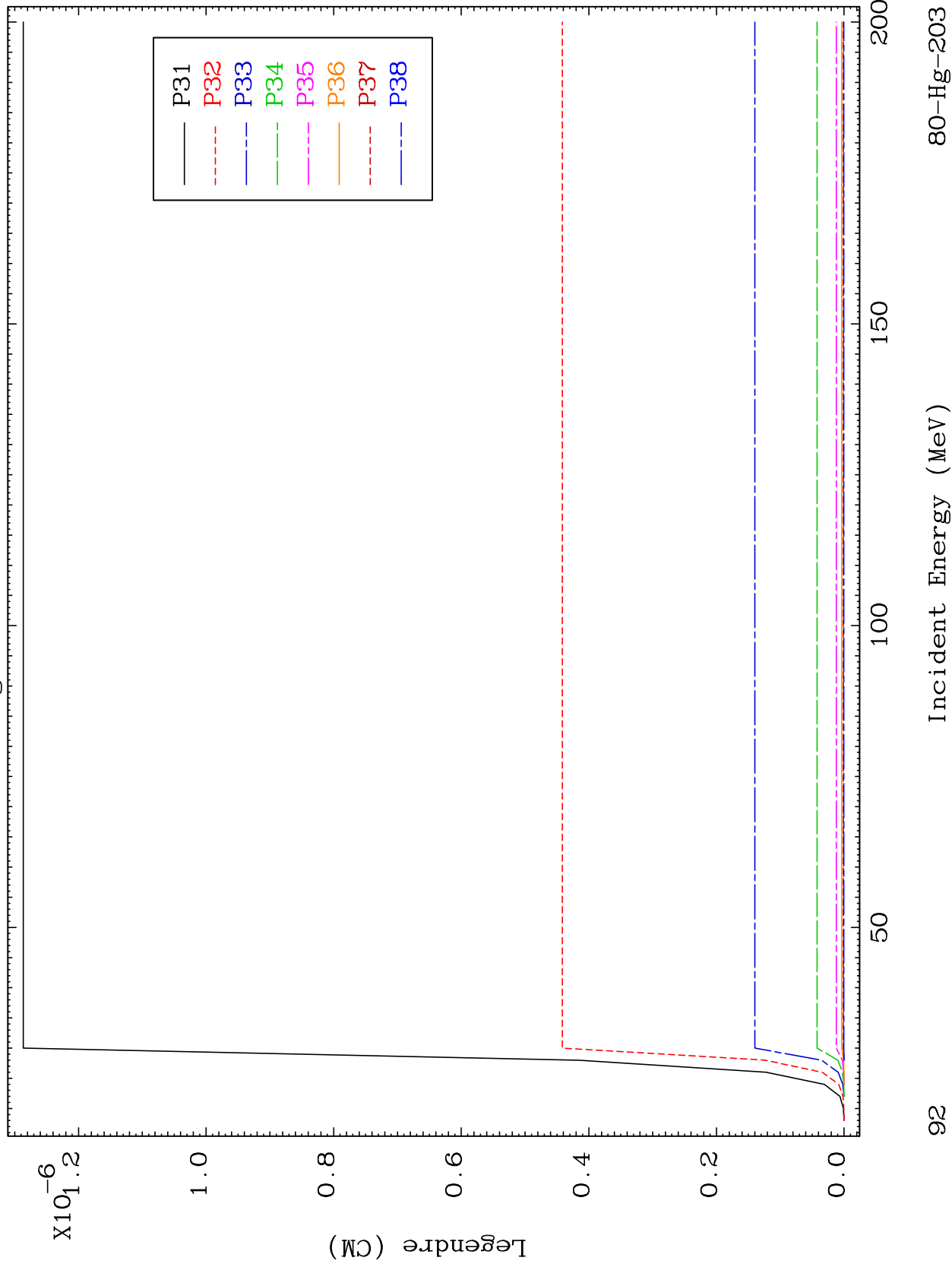
80-Hg-203

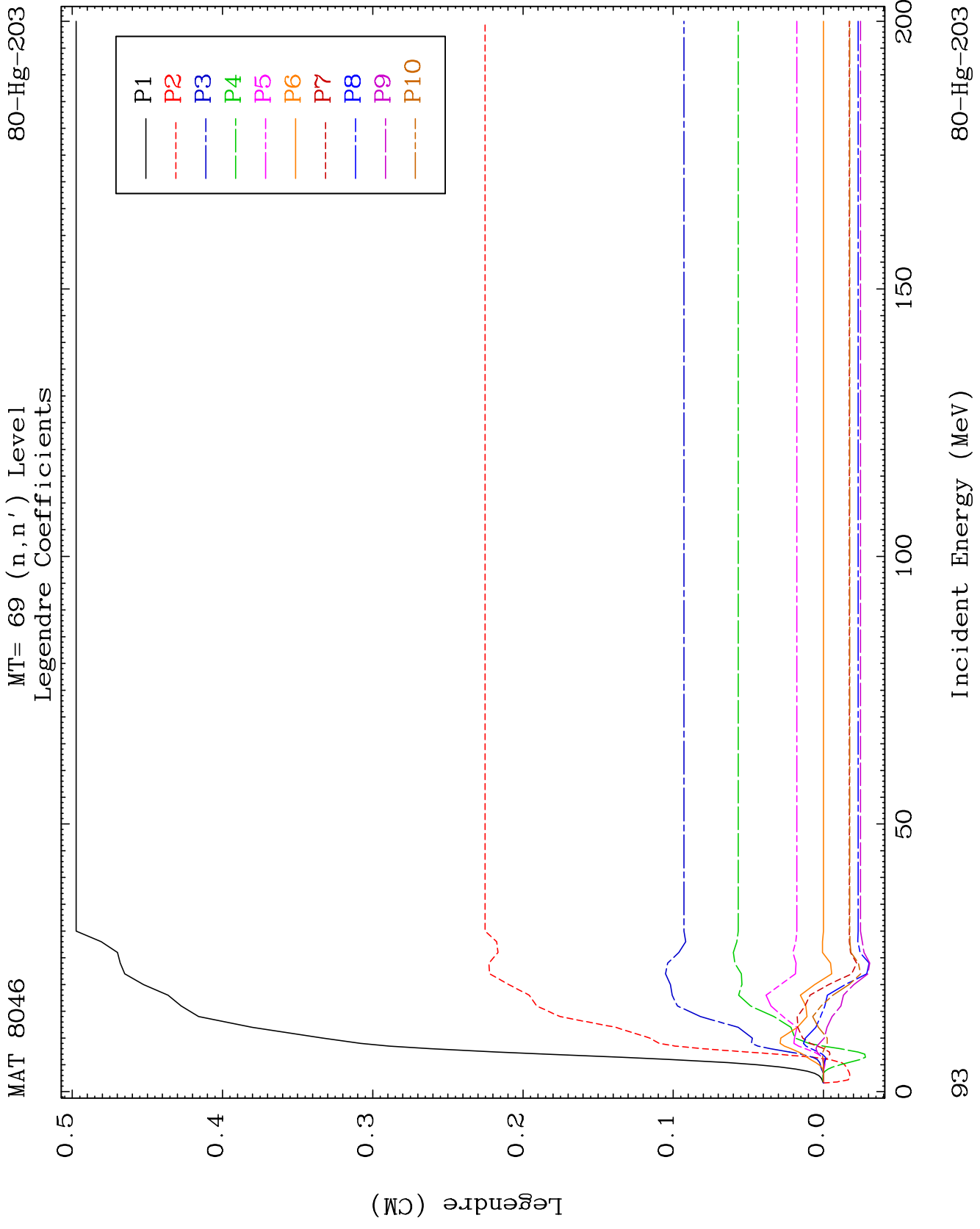


MAT 8046

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

80-Hg-203

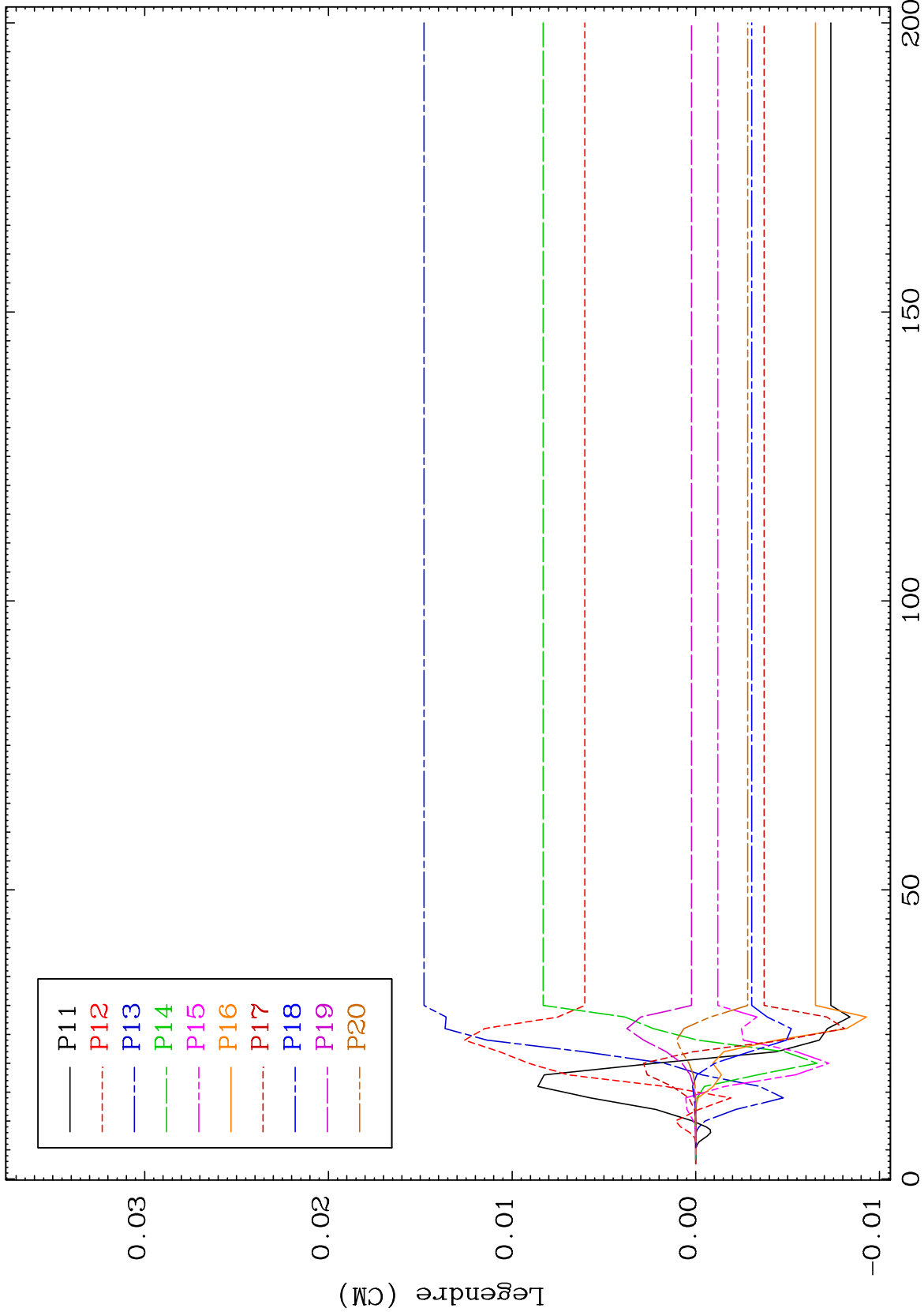




MAT 8046

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

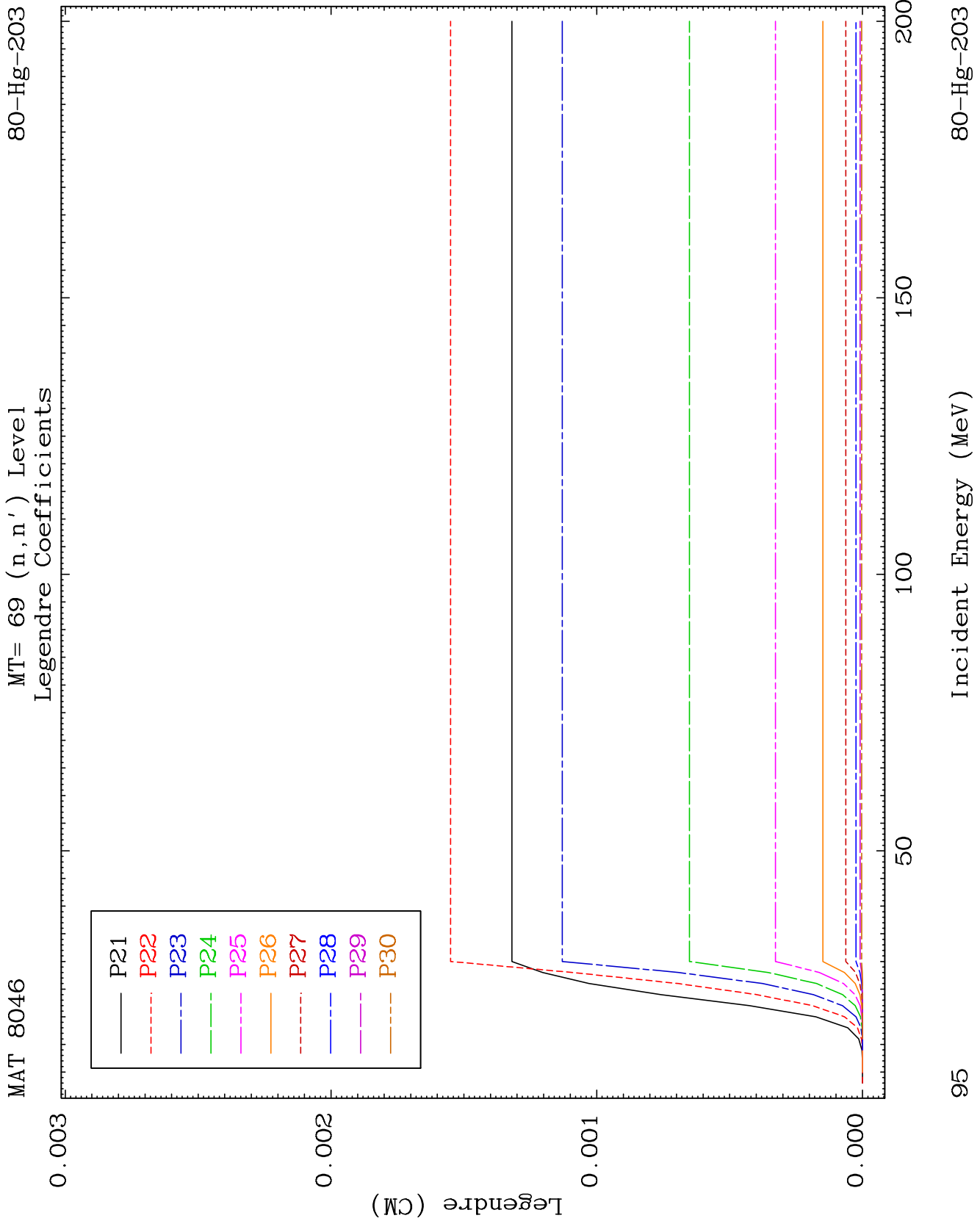
80-Hg-203



94

Incident Energy (MeV)

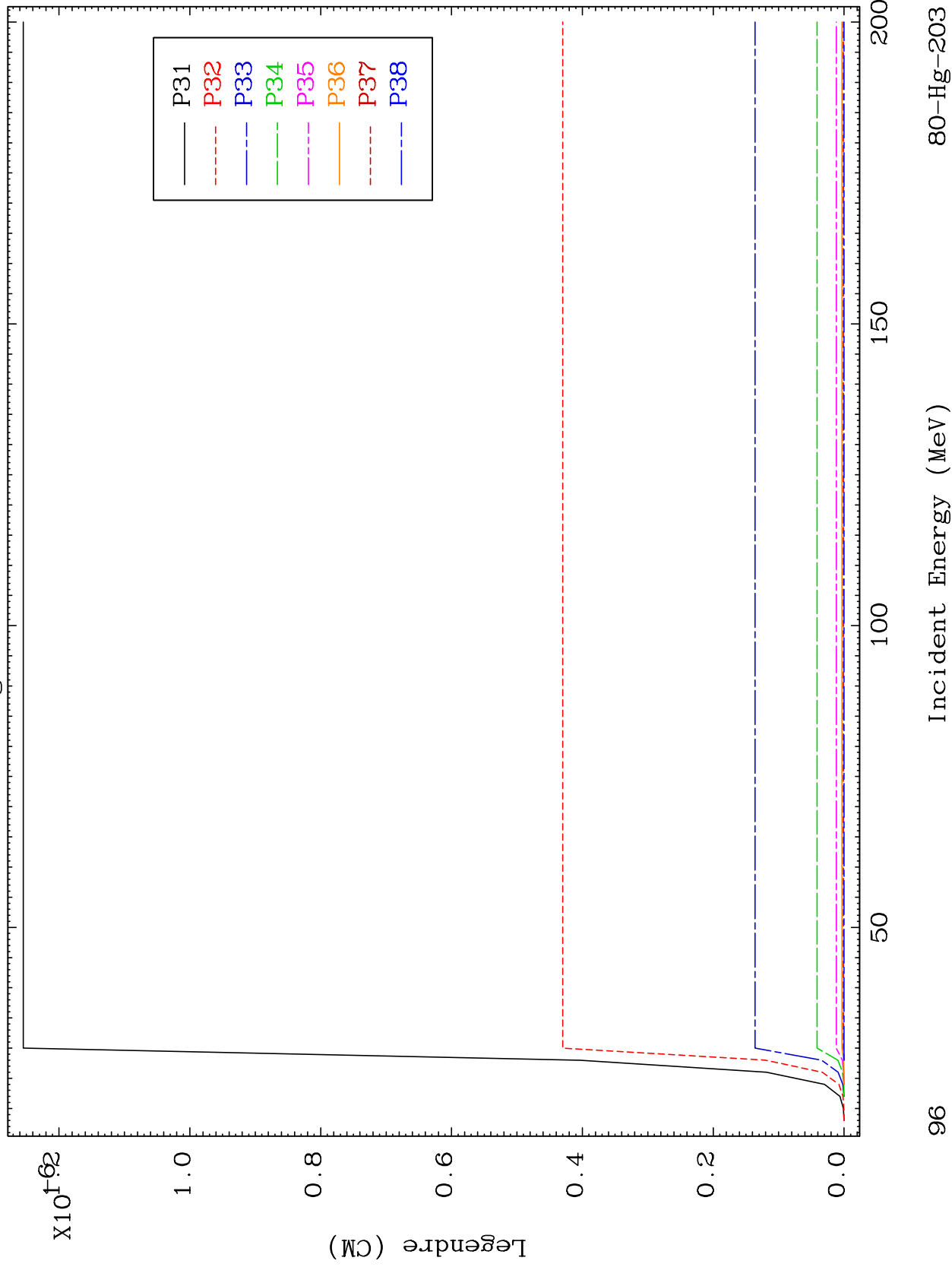
80-Hg-203



MAT 8046

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

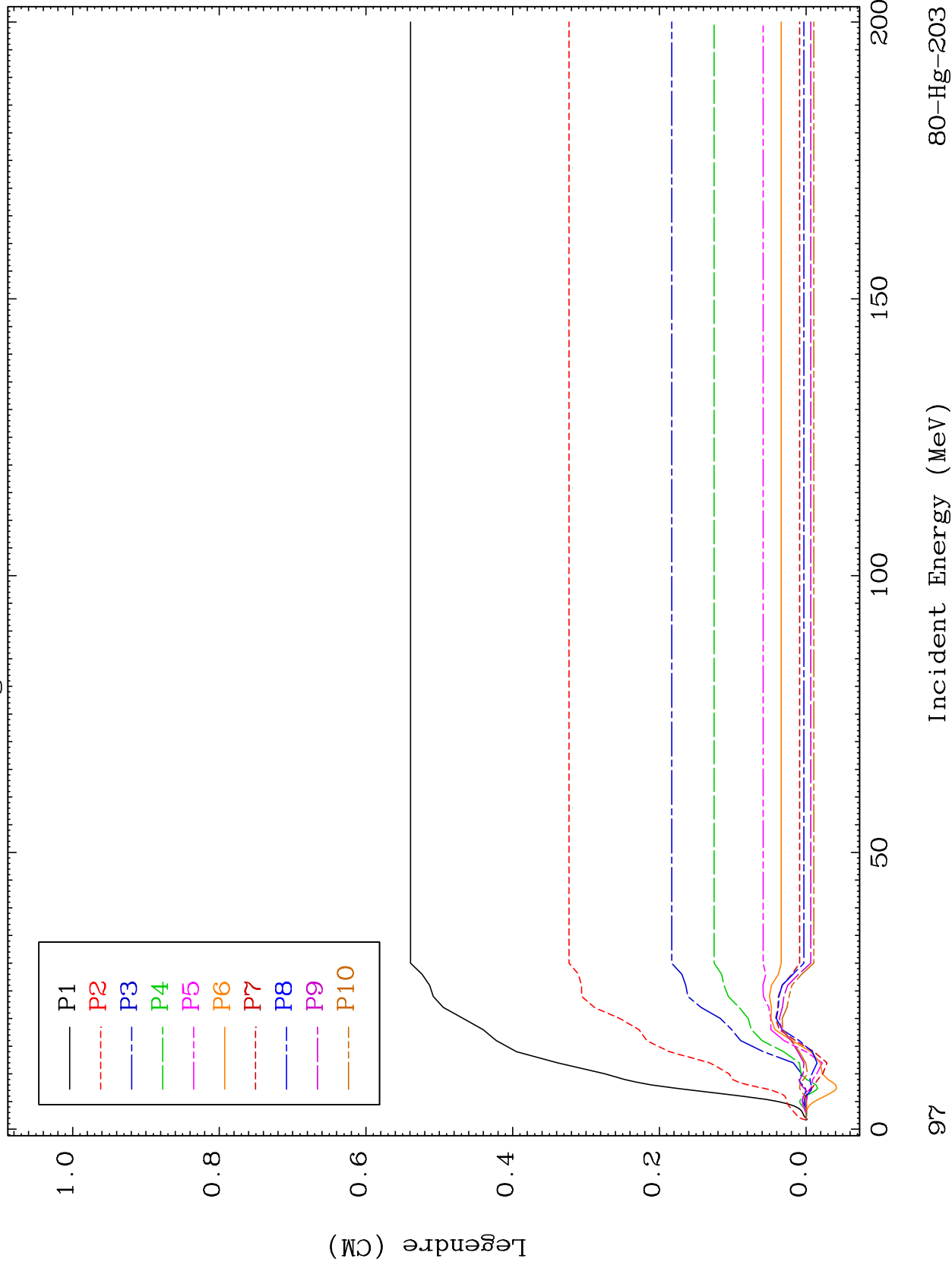
80-Hg-203



MAT 8046

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

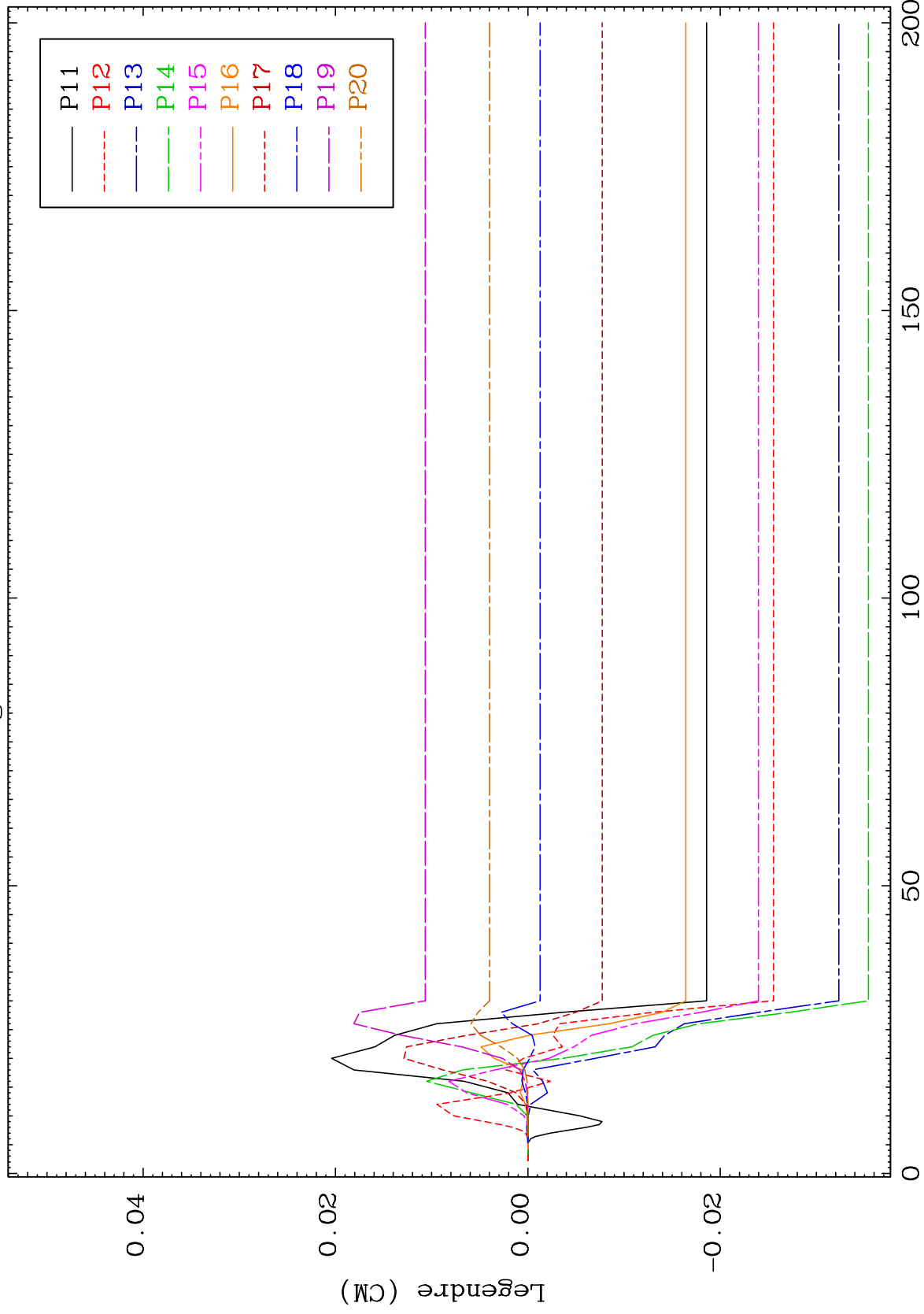
80-Hg-203



MAT 8046

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

80-Hg-203



98

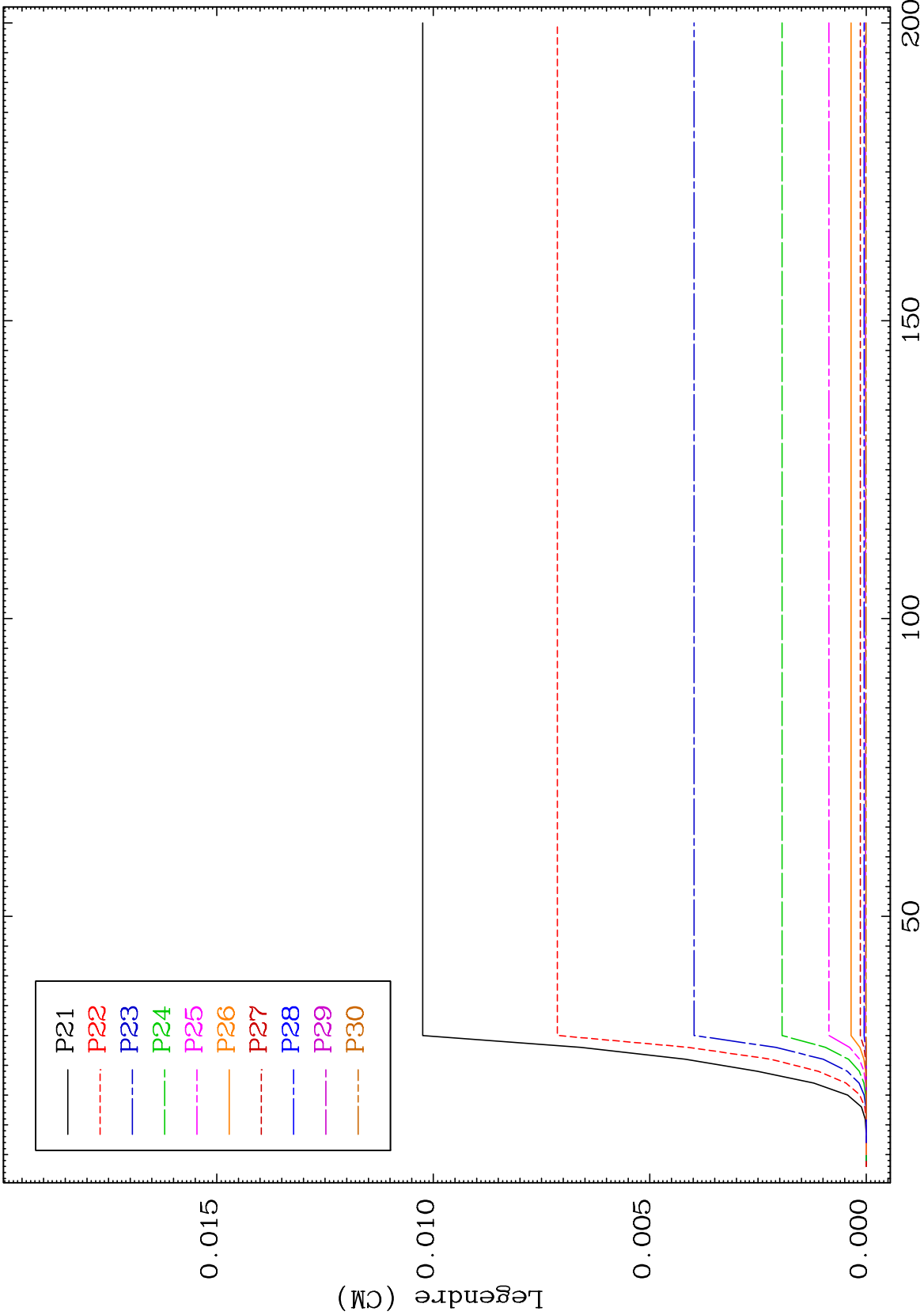
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

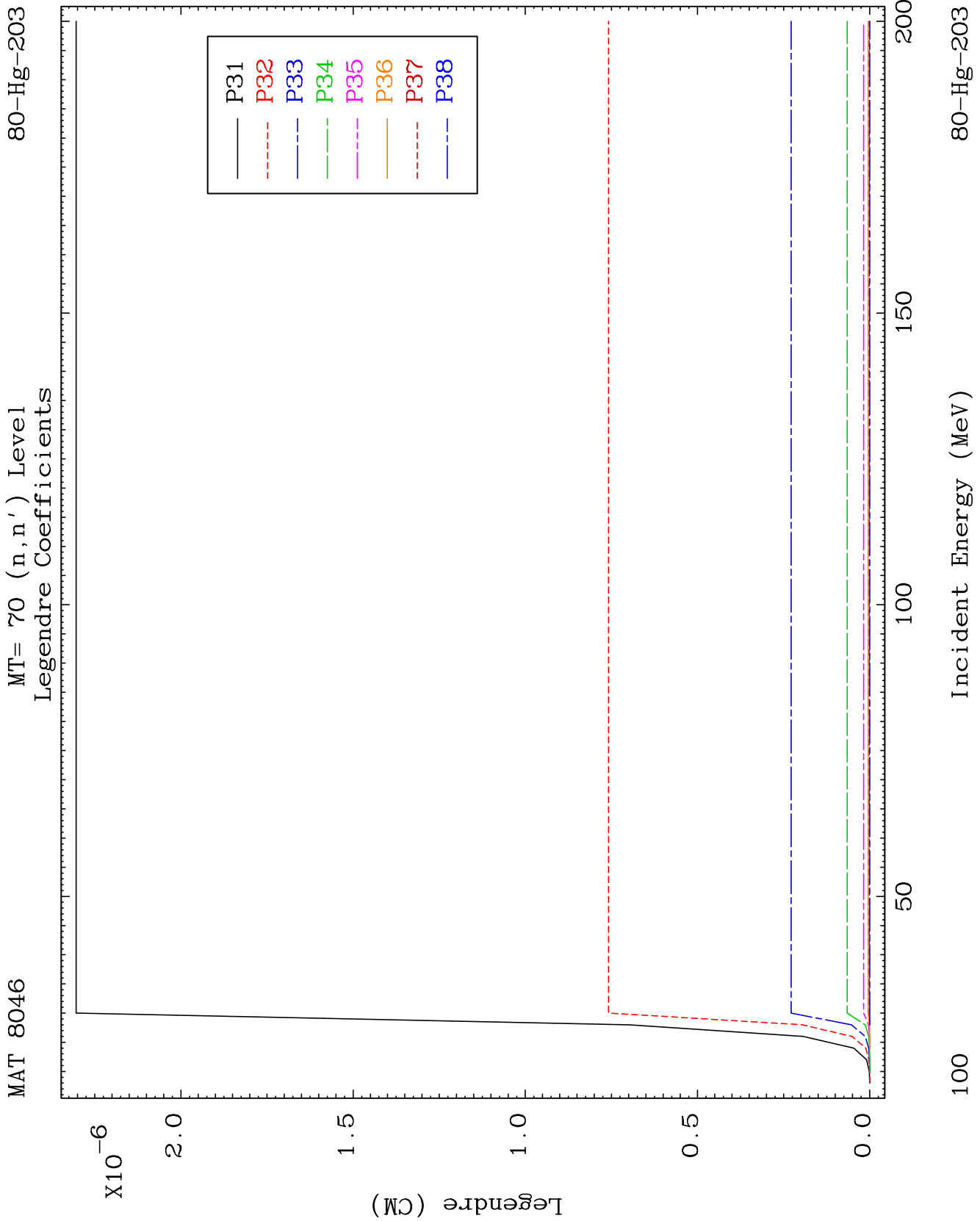
80-Hg-203

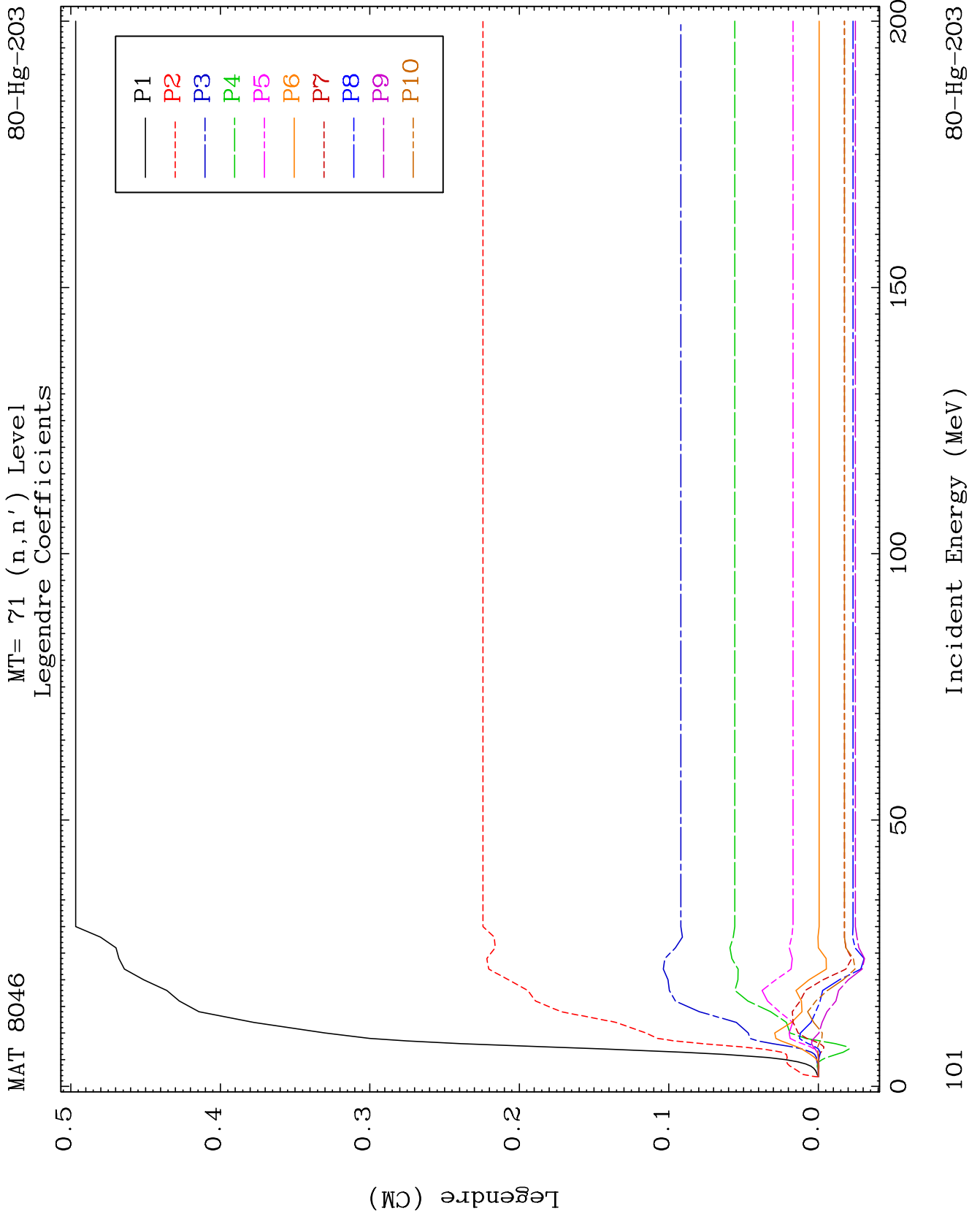


99

Incident Energy (MeV)

80-Hg-203

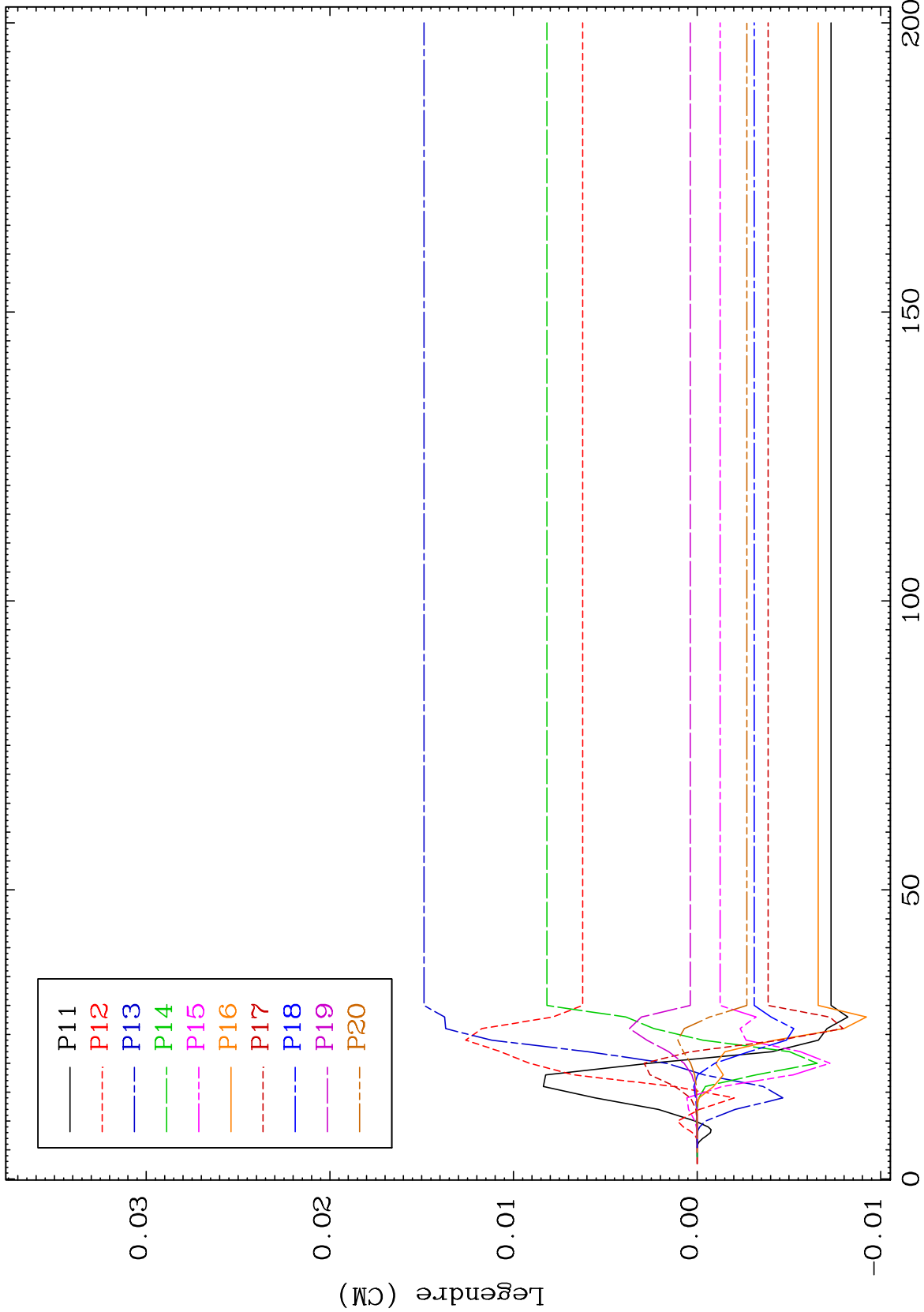




MAT 8046

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

80-Hg-203



80-Hg-203

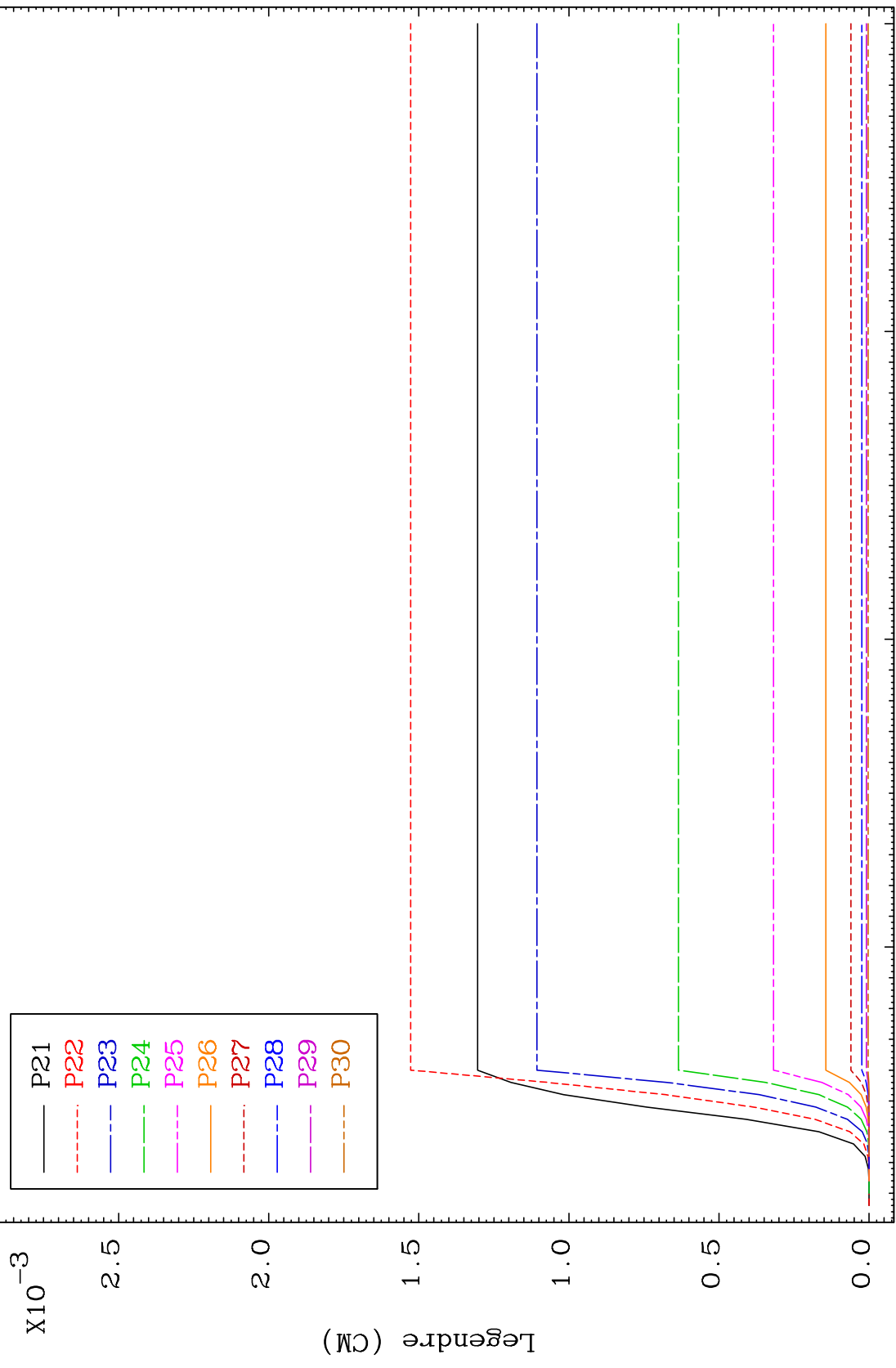
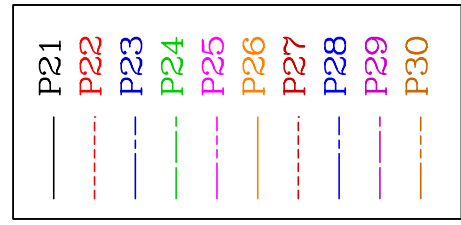
Incident Energy (MeV)

102

MAT 8046

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

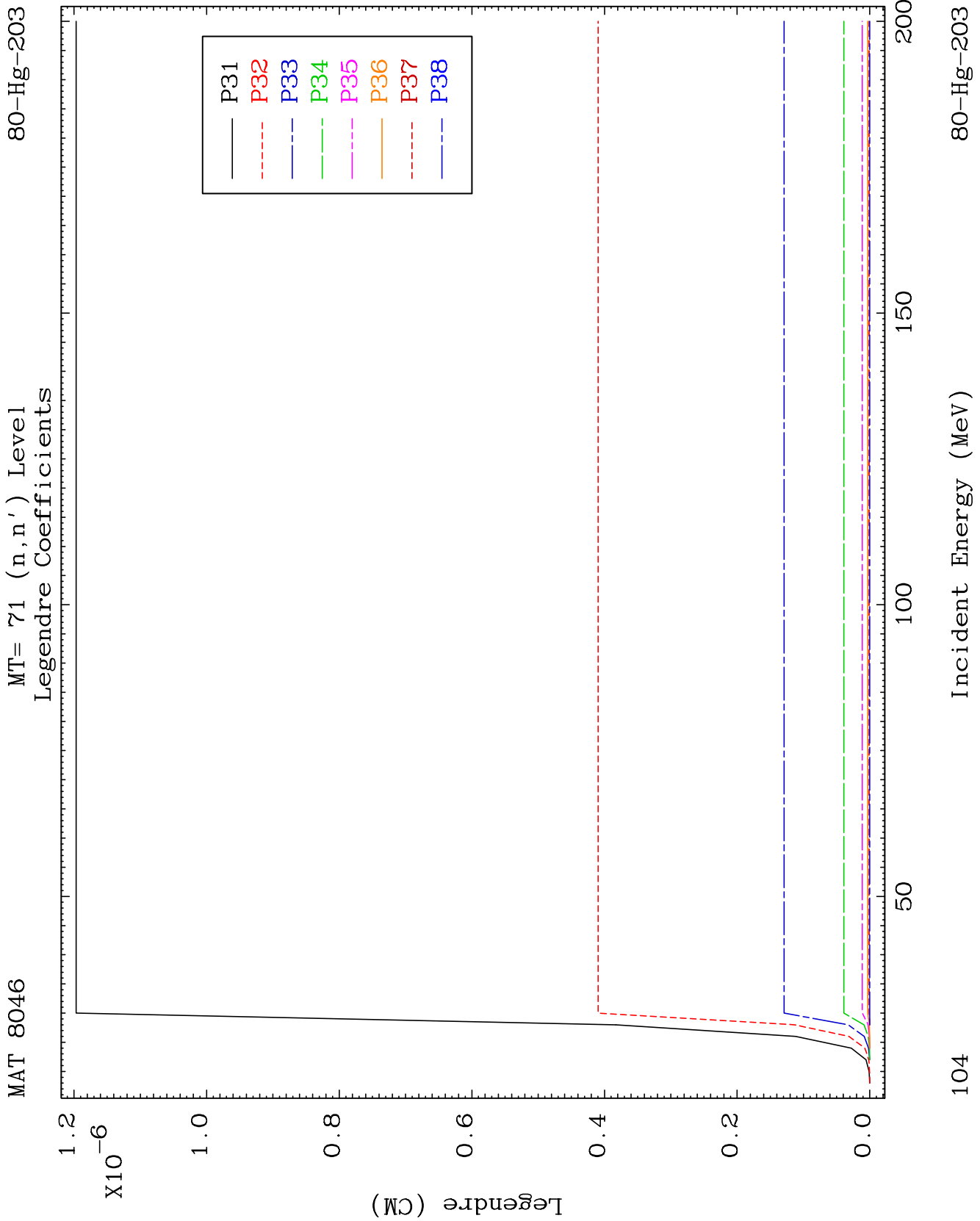
80-Hg-203



103

Incident Energy (MeV)

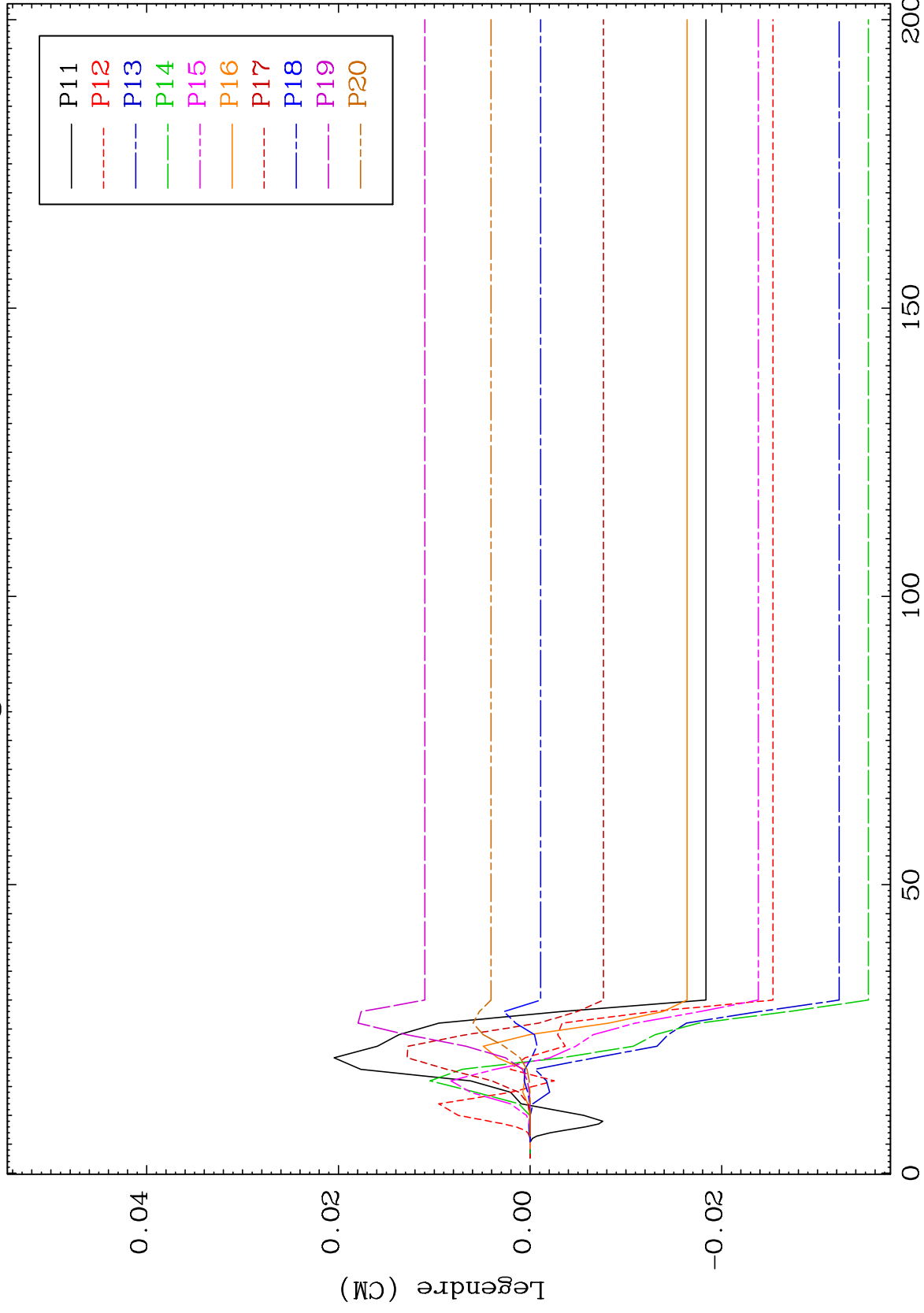
80-Hg-203



MAT 8046

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

80-Hg-203



106

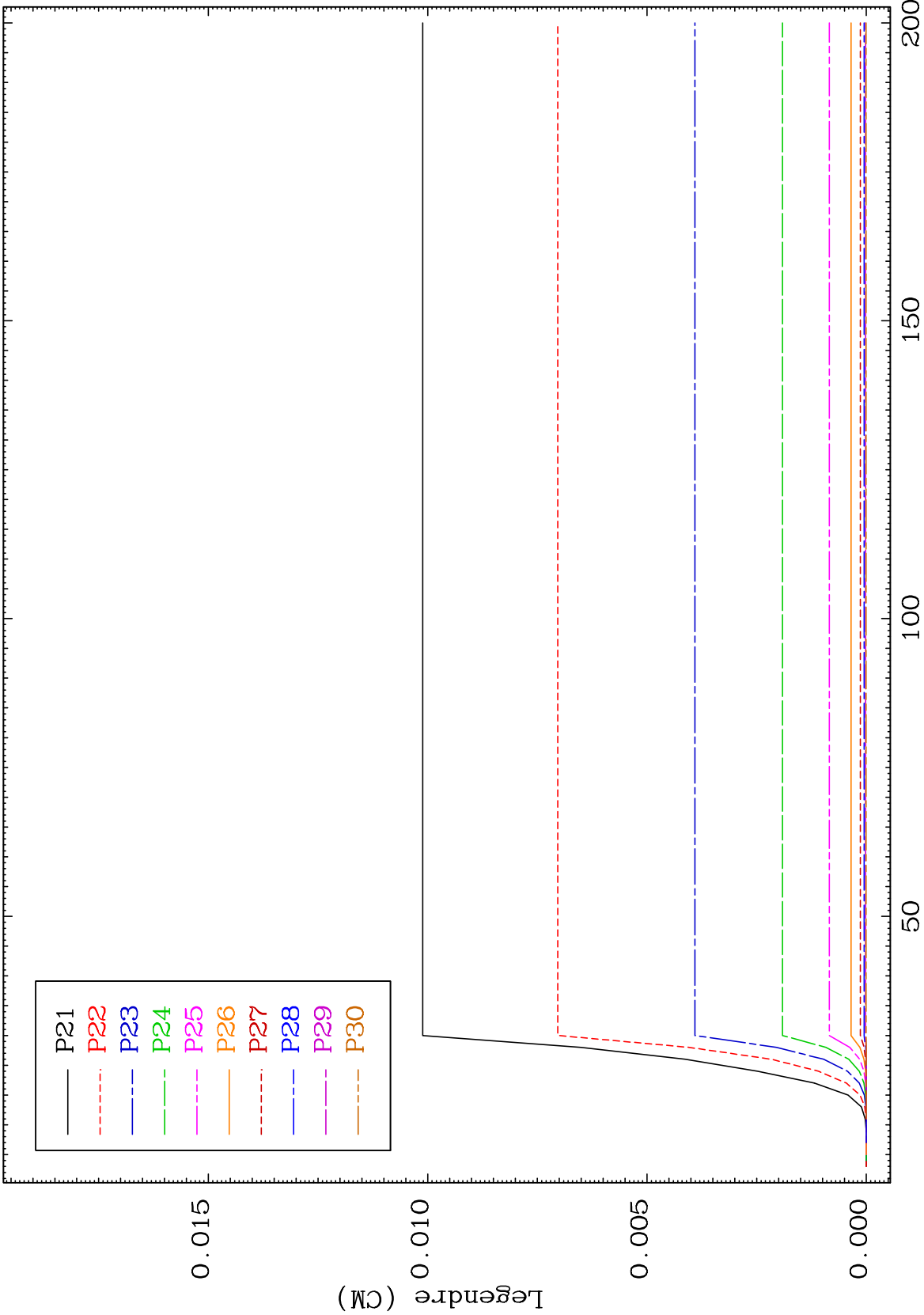
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



107

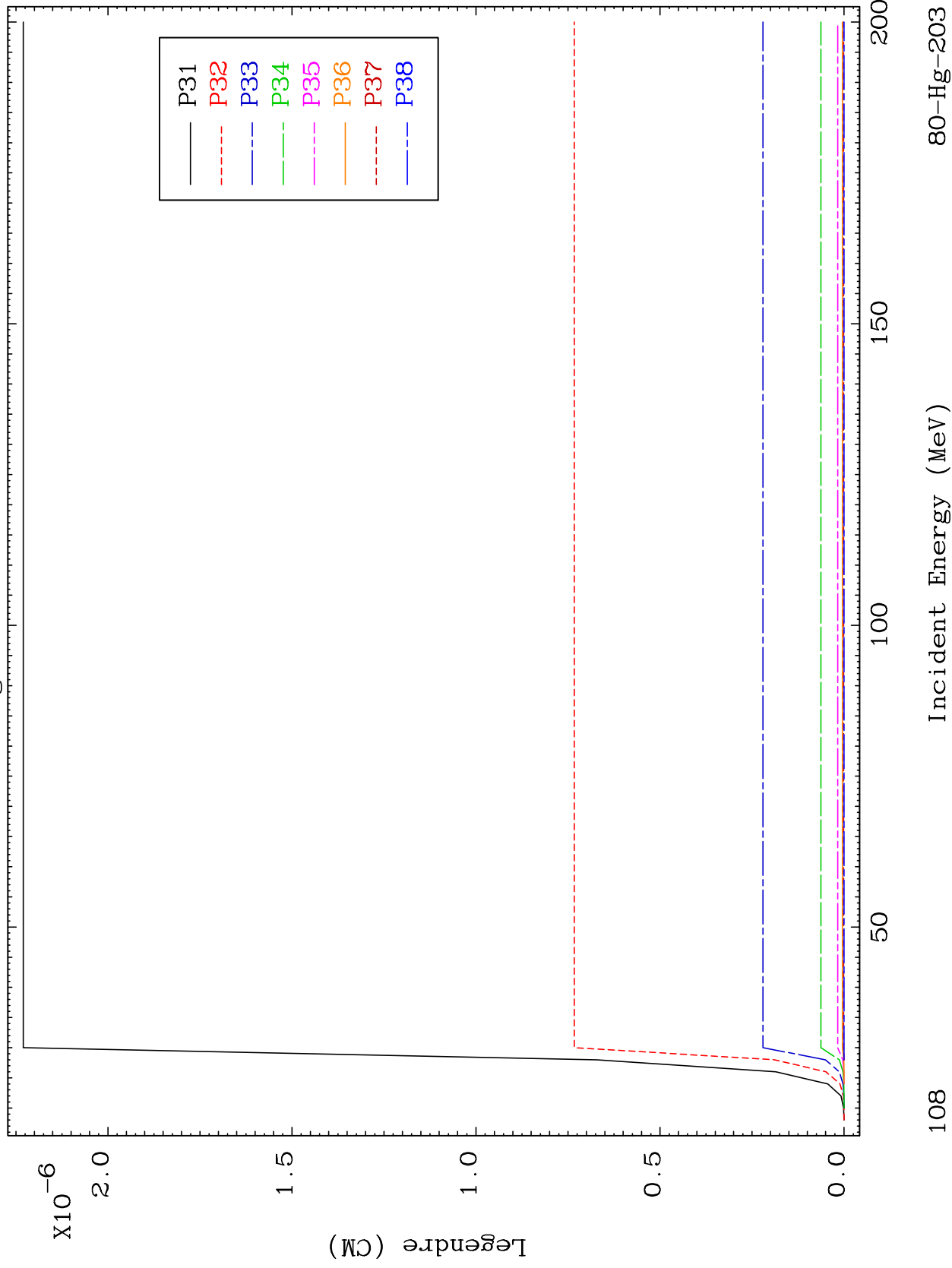
Incident Energy (MeV)

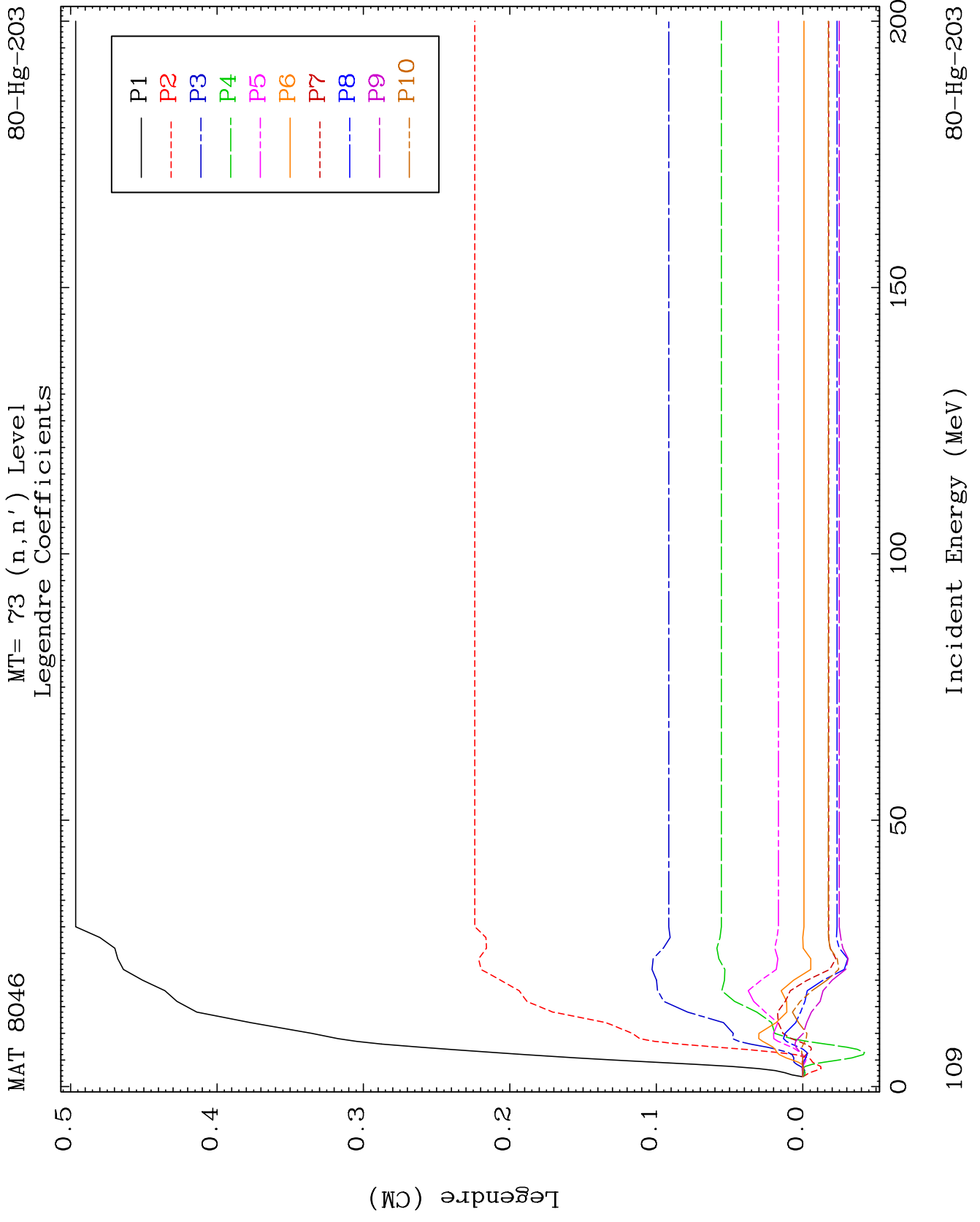
80-Hg-203

MAT 8046

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

80-Hg-203

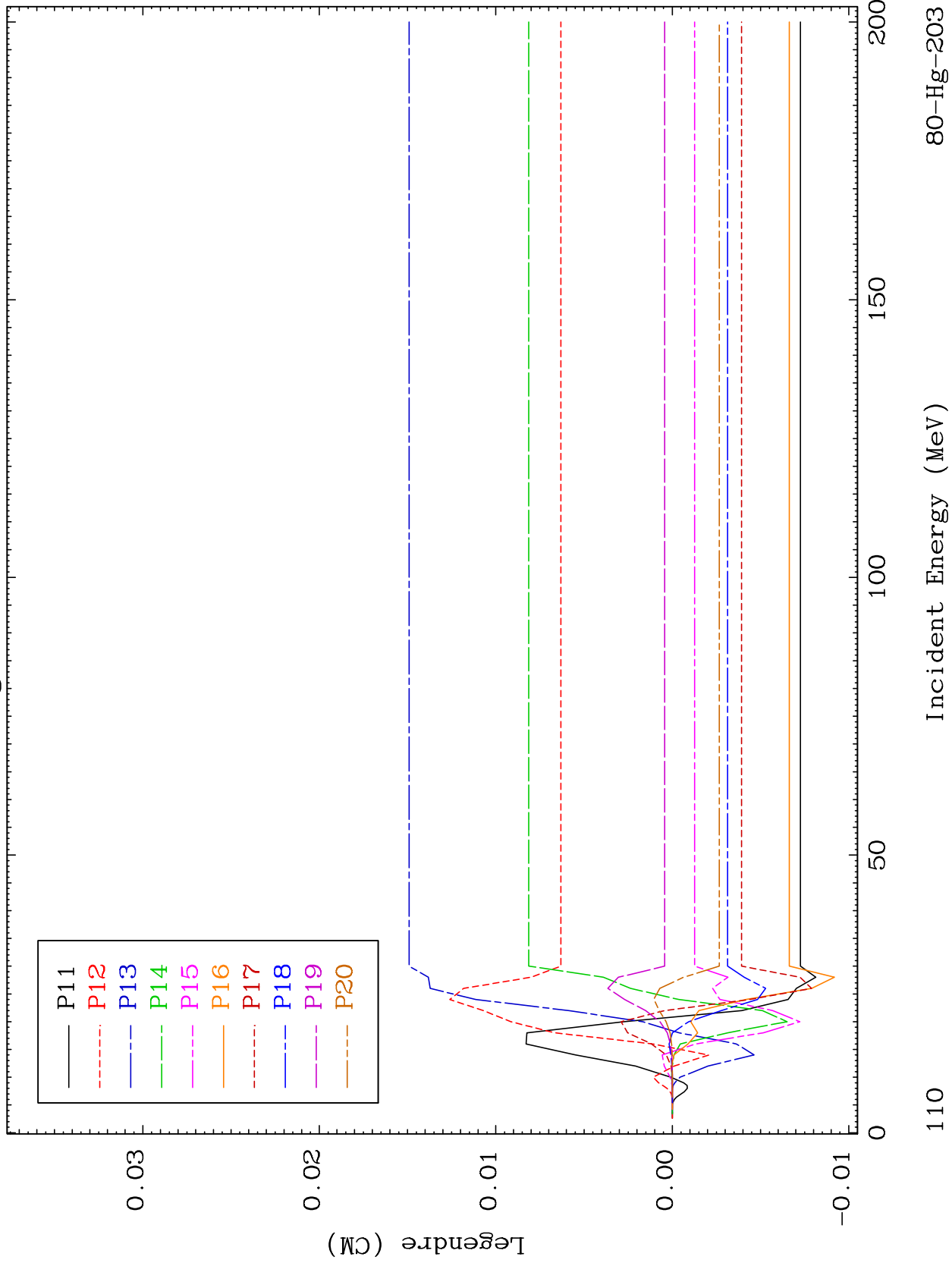




MAT 8046

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

80-Hg-203



80-Hg-203

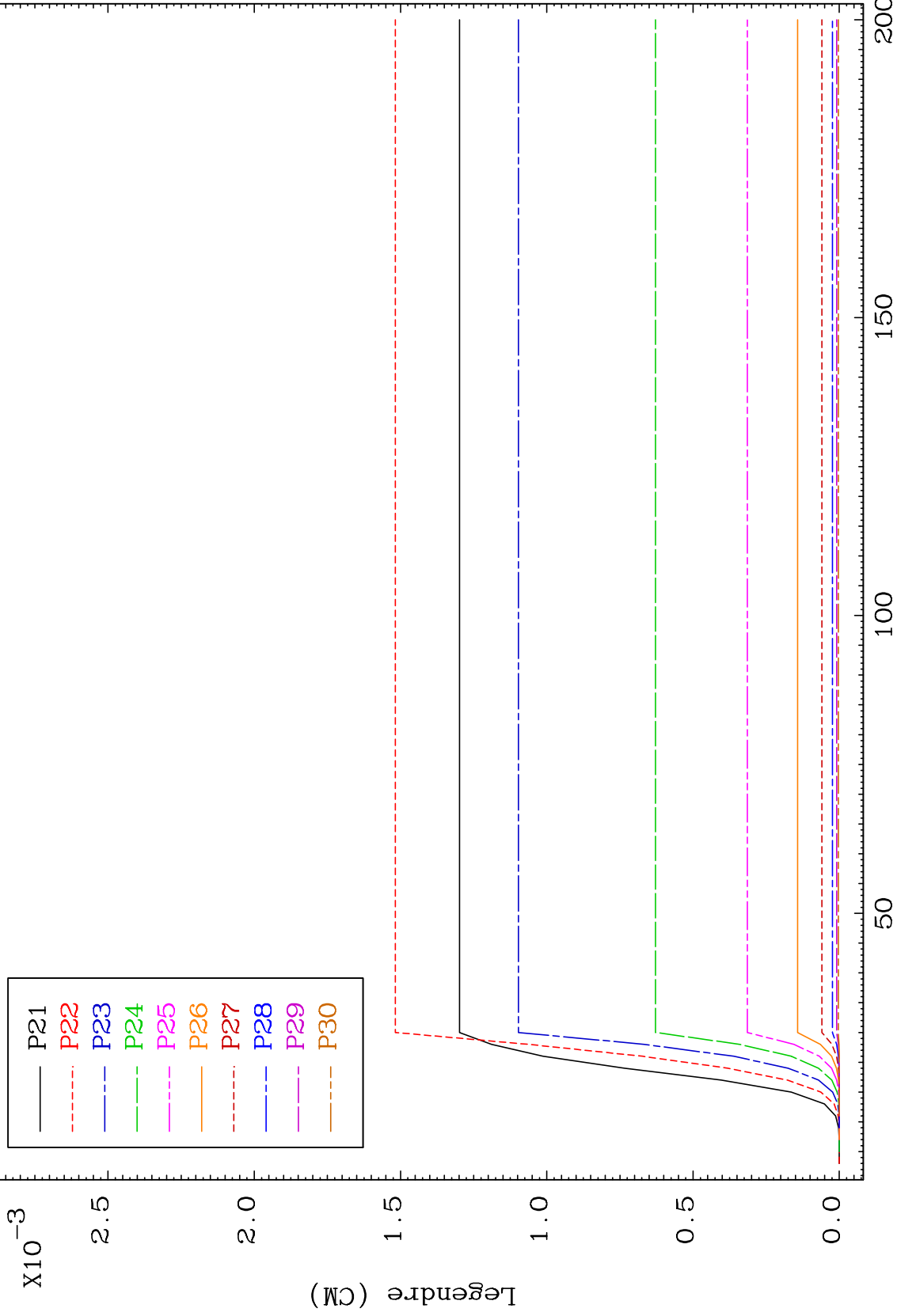
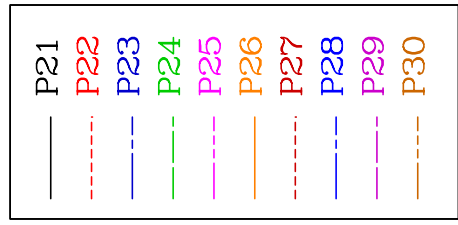
Incident Energy (MeV)

110

MAT 8046

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

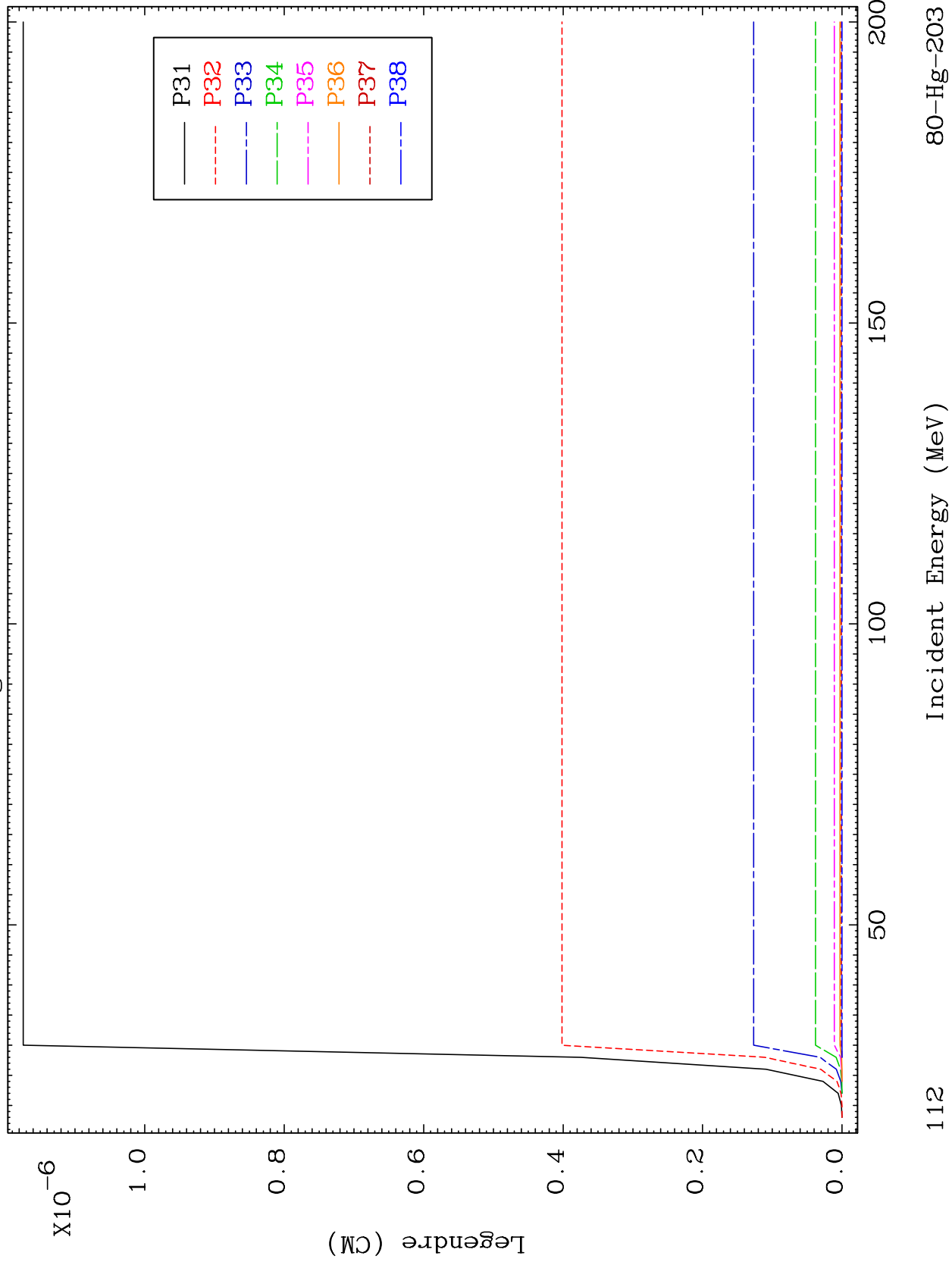
80-Hg-203



MAT 8046

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

80-Hg-203

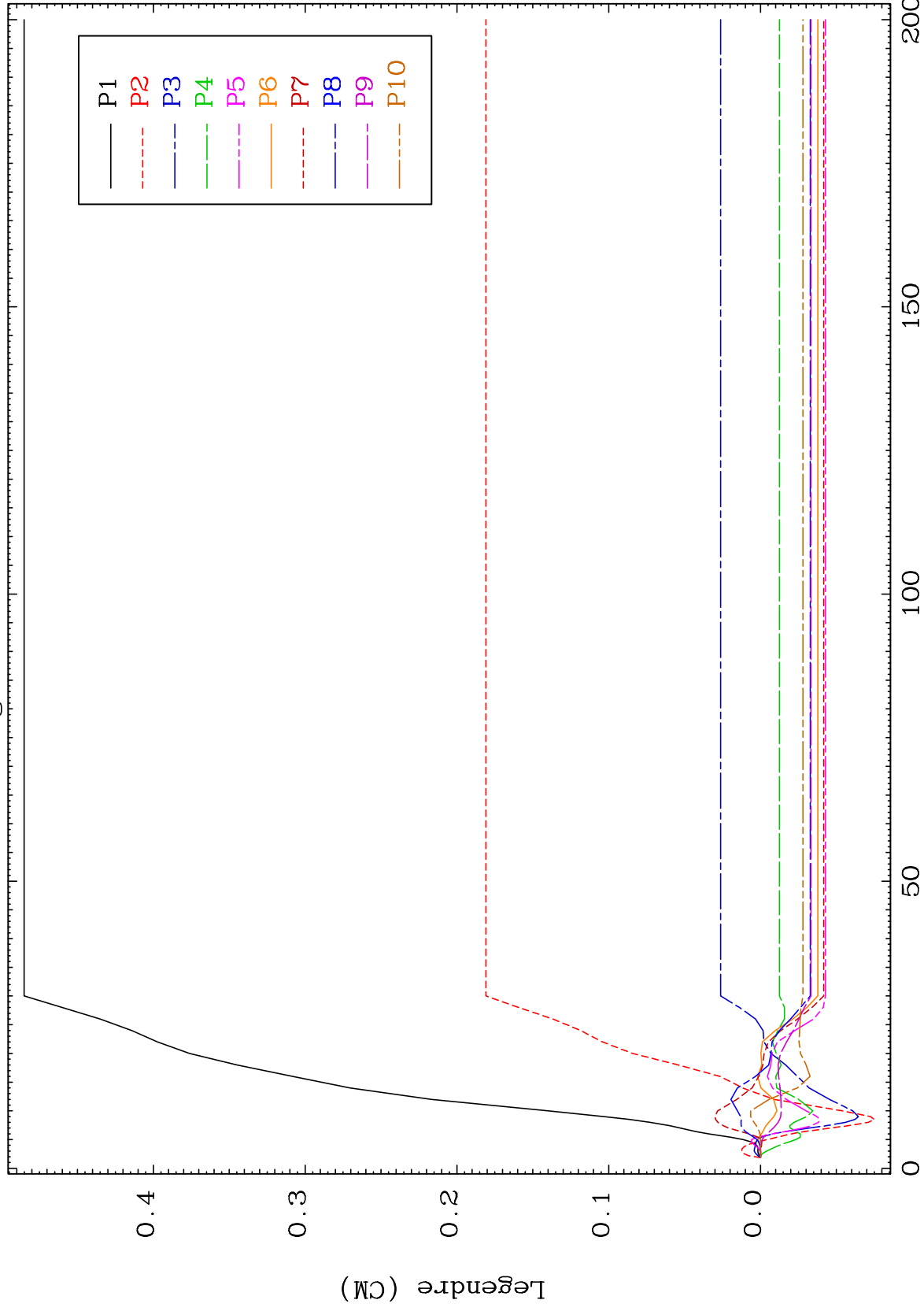


112

MAT 8046

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

80-Hg-203



80-Hg-203

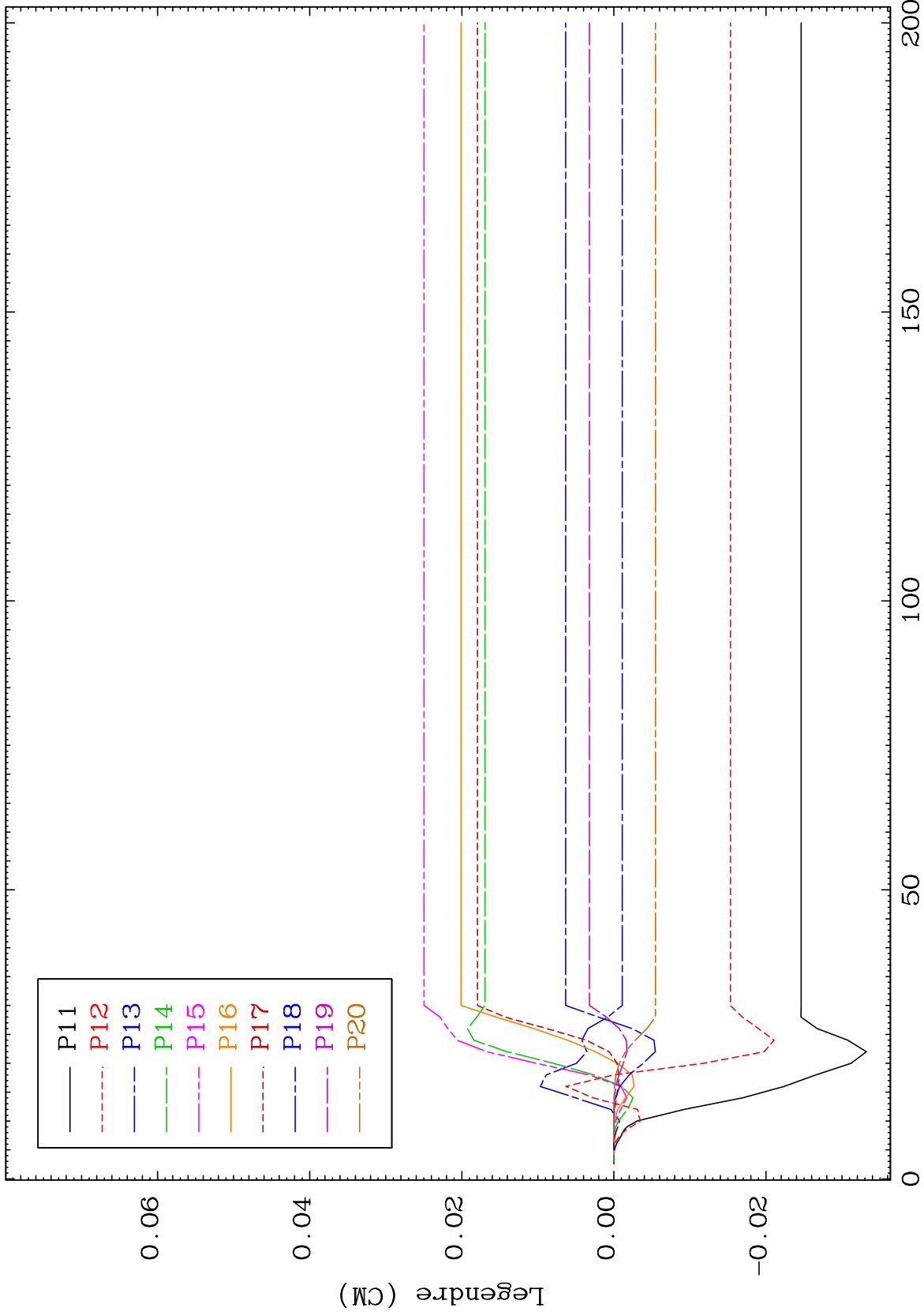
Incident Energy (MeV)

113

MAT 8046

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

80-Hg-203



114

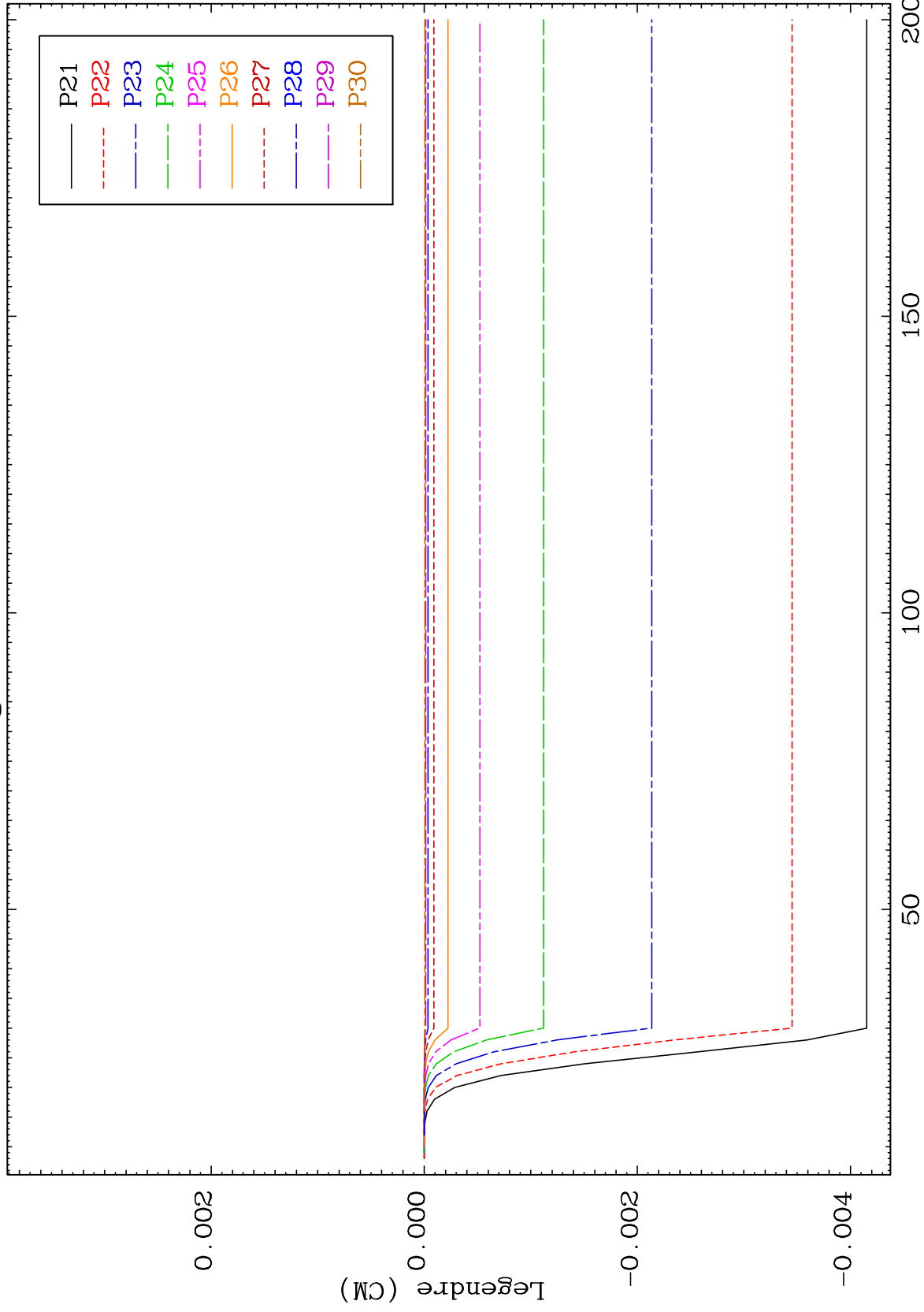
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

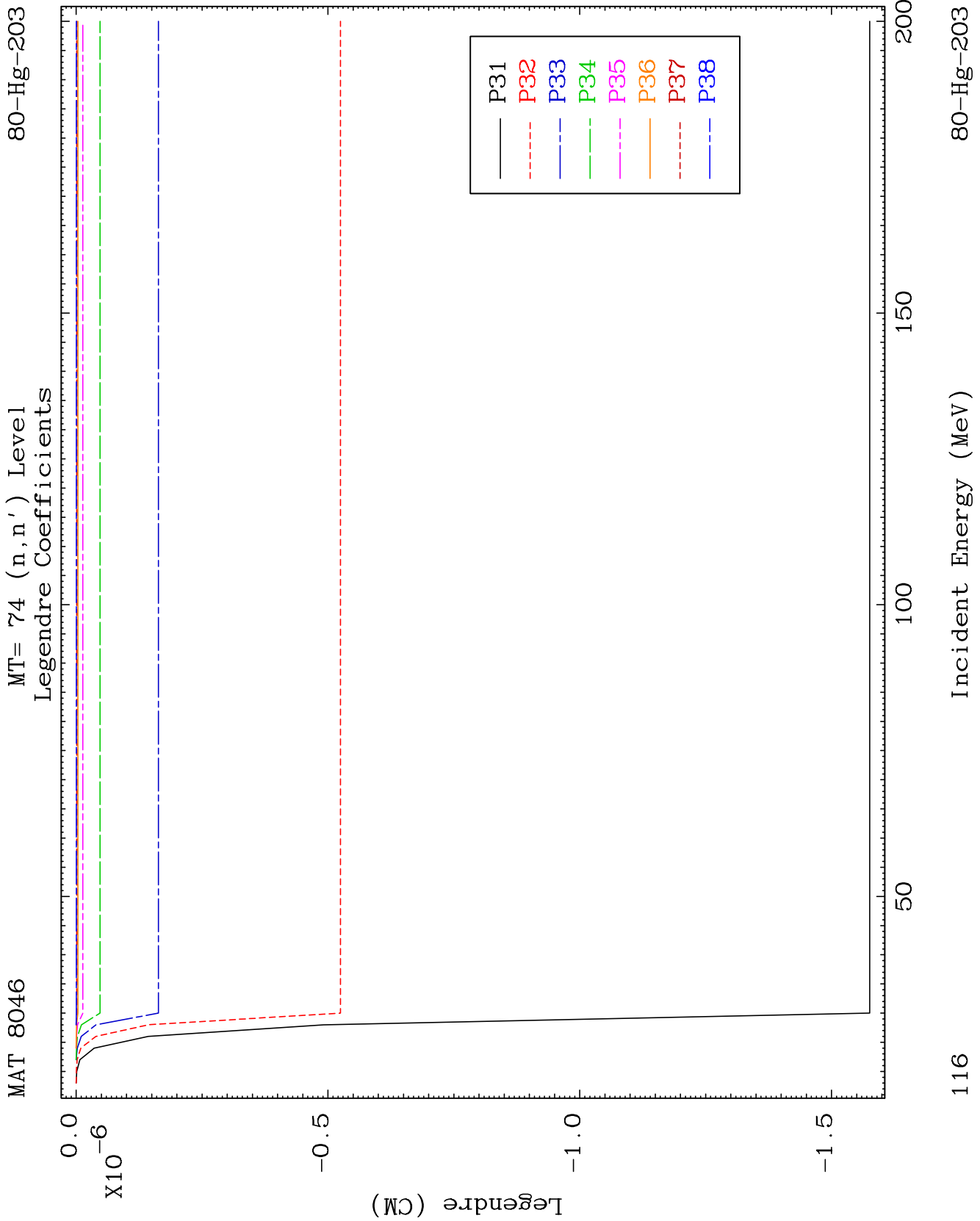
80-Hg-203

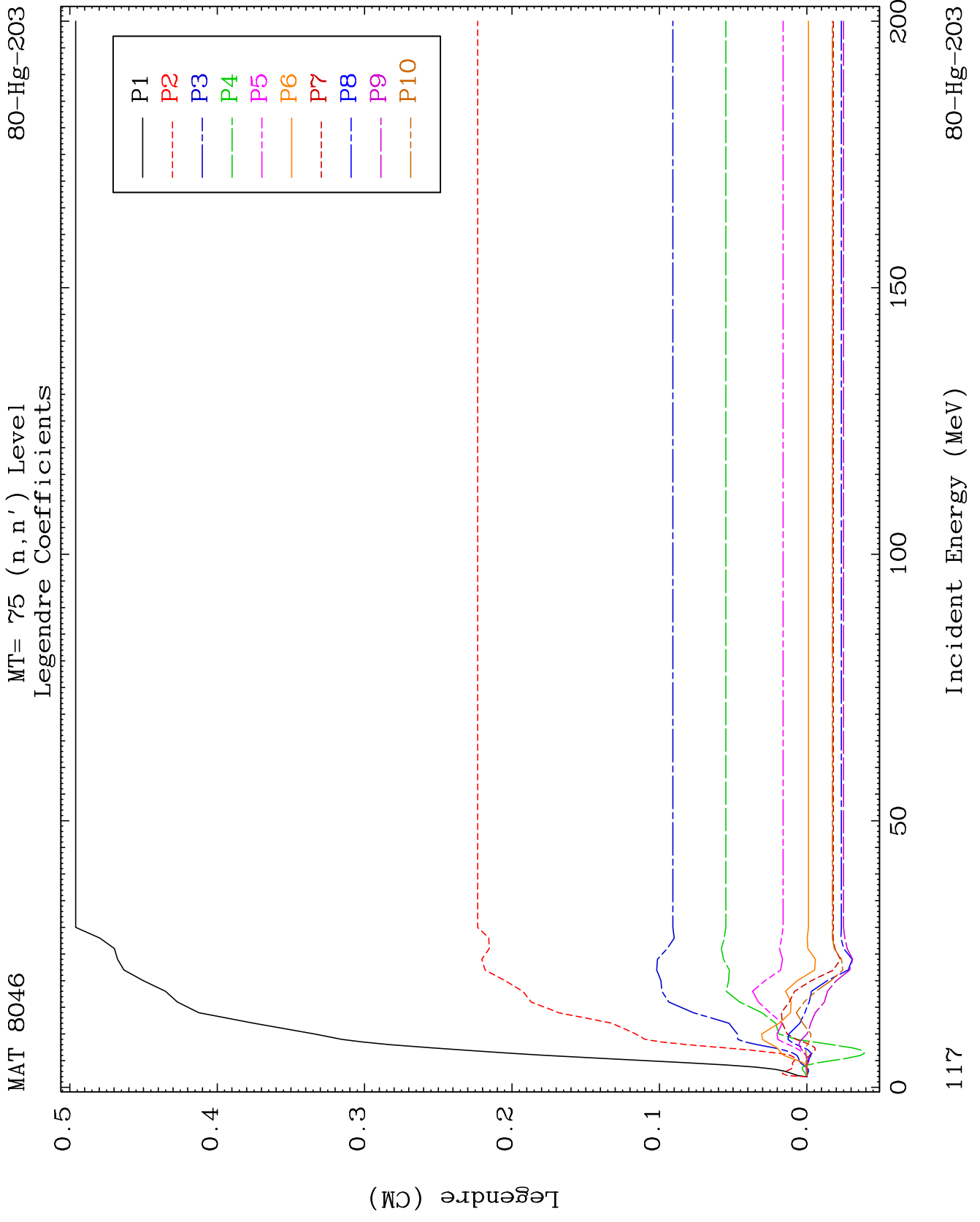


115

Incident Energy (MeV)

80-Hg-203

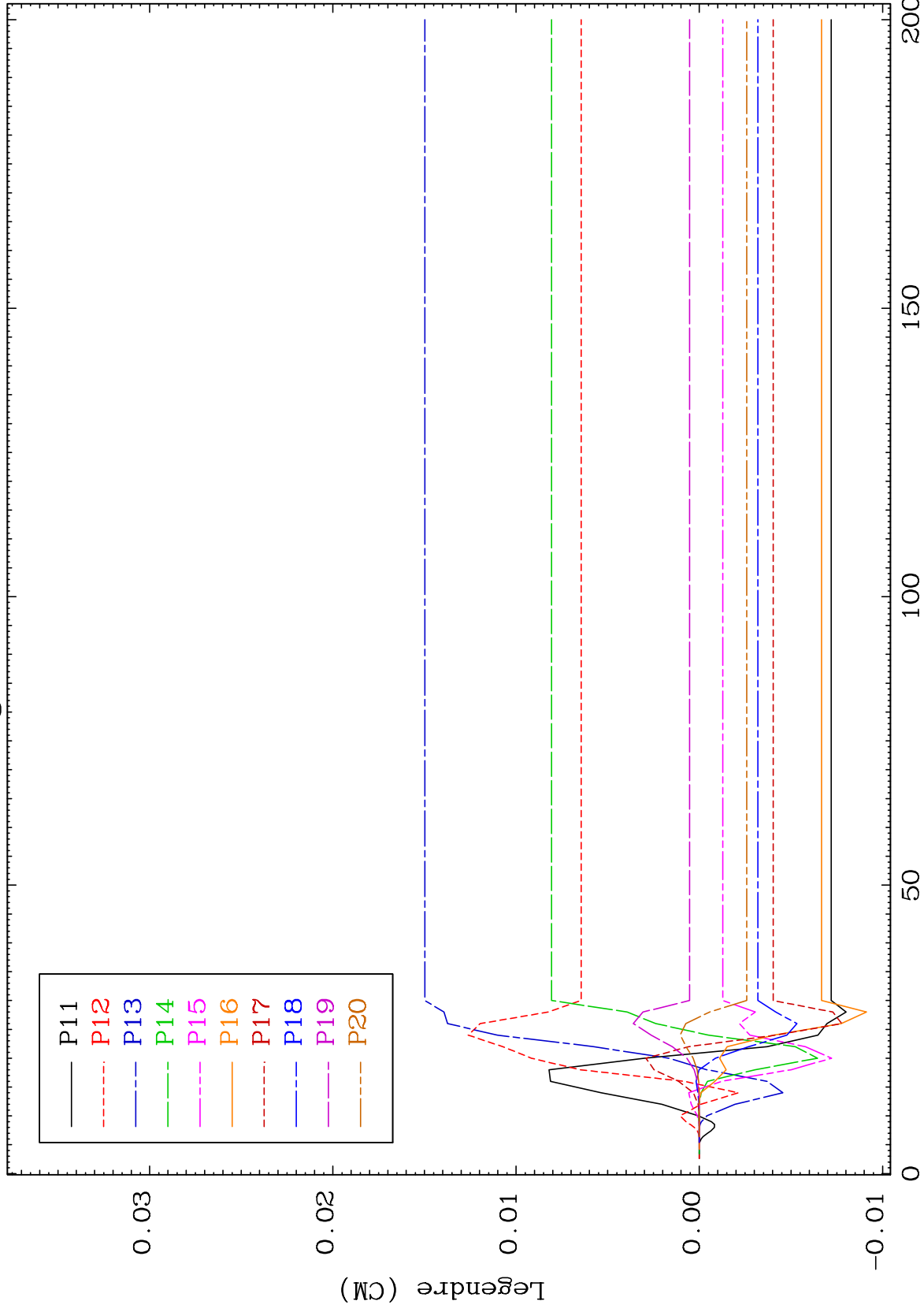




MAT 8046

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

80-Hg-203



118

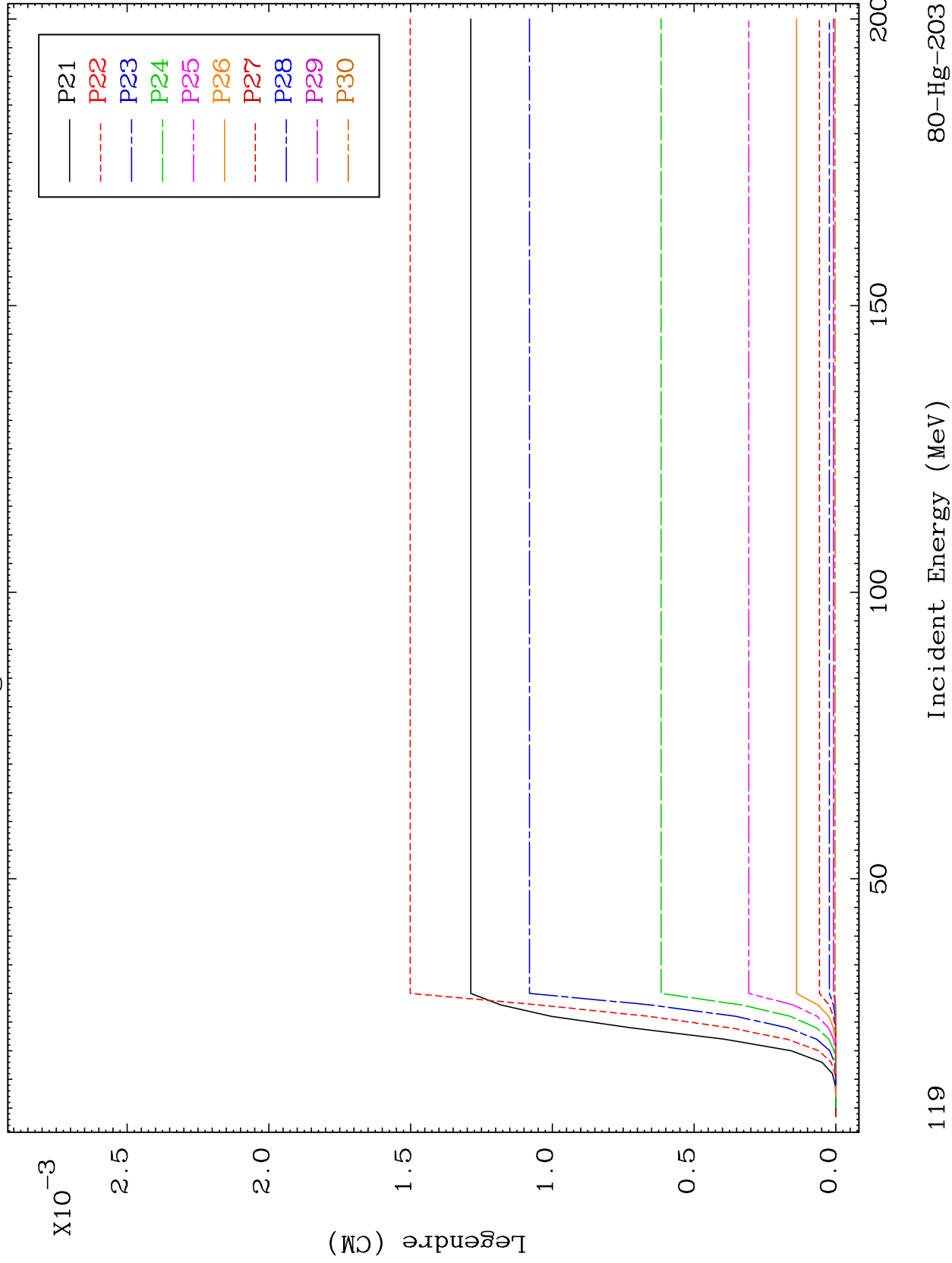
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



119

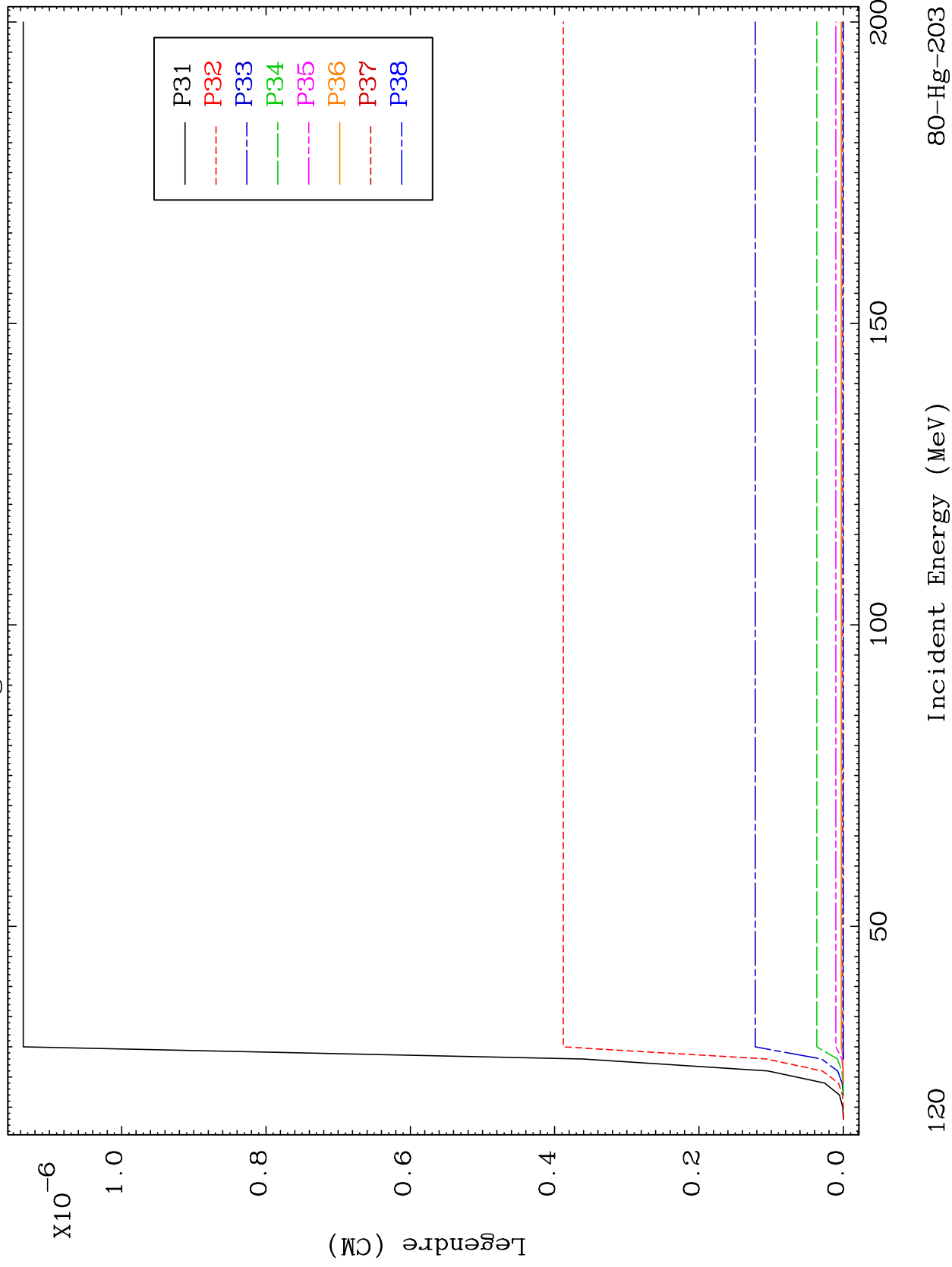
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

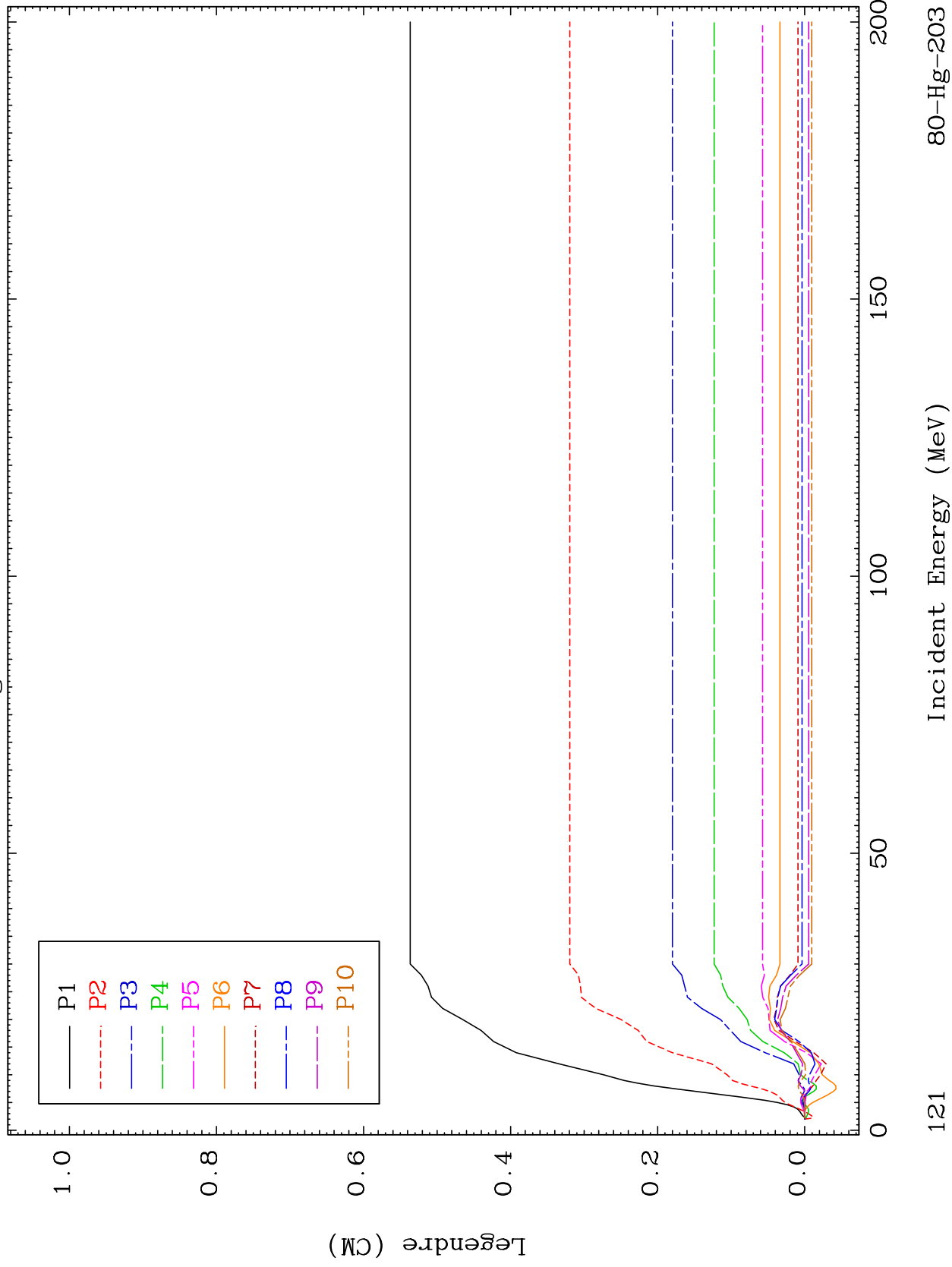
80-Hg-203



MAT 8046

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

80-Hg-203

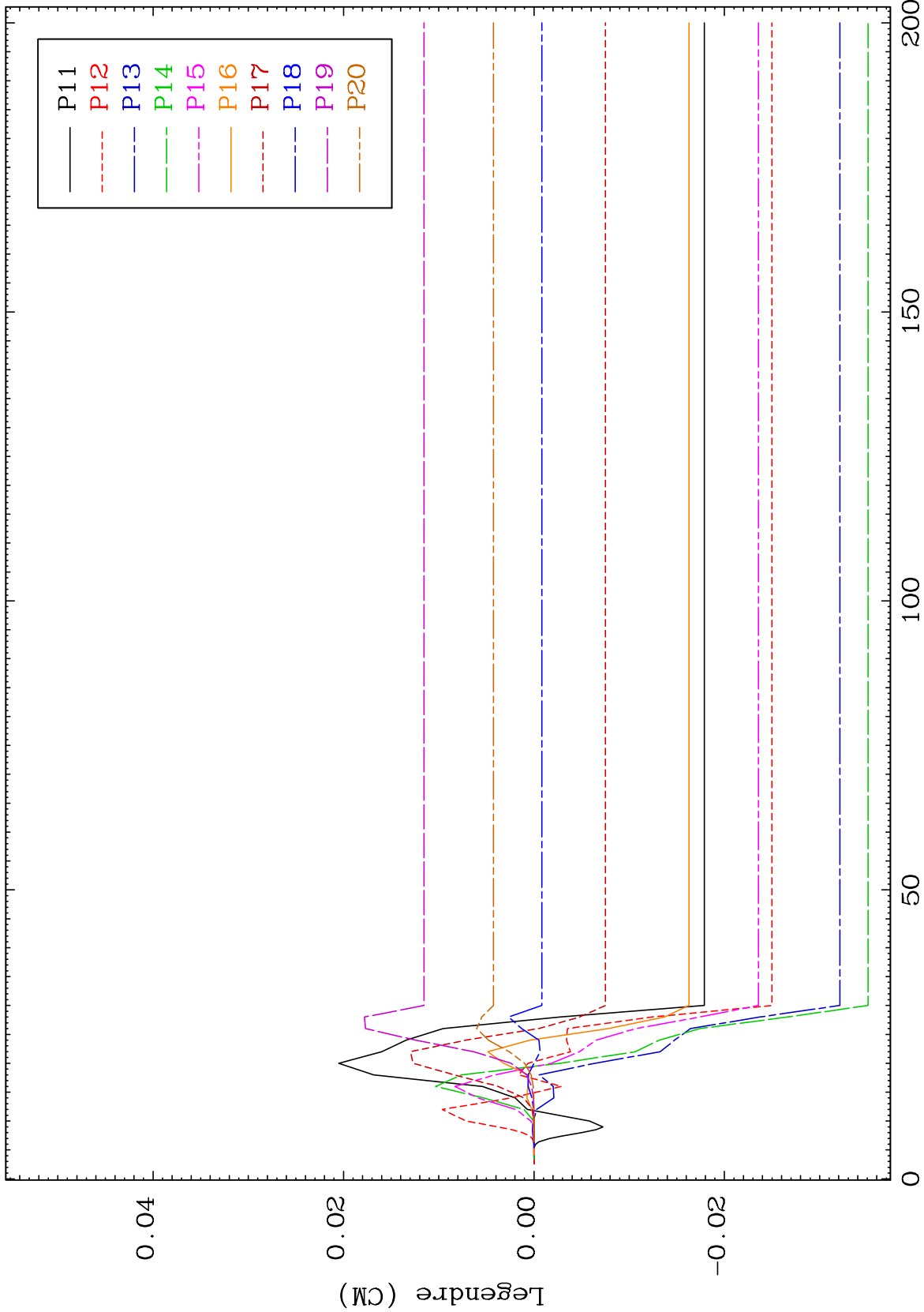


121

MAT 8046

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

80-Hg-203



122

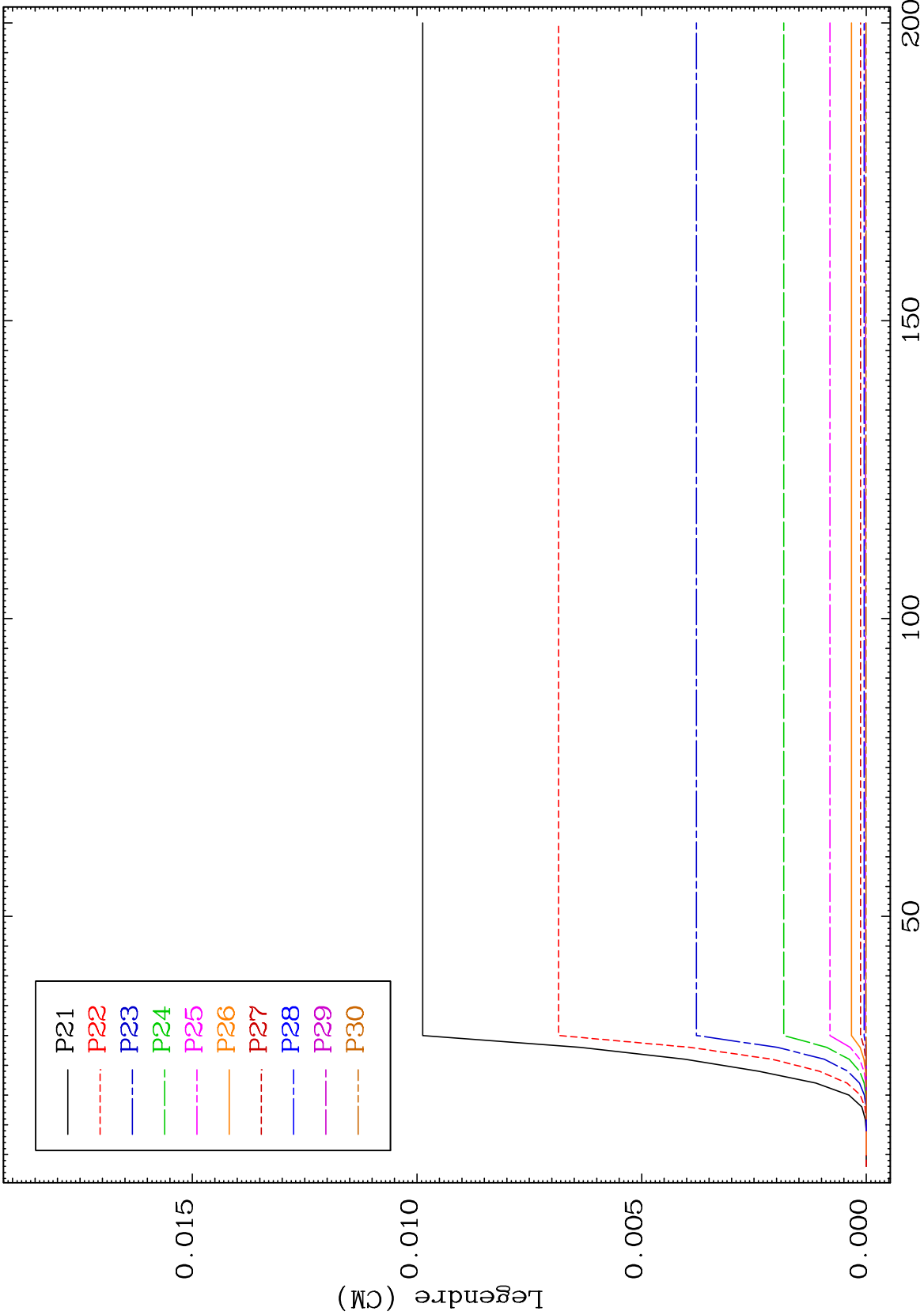
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



123

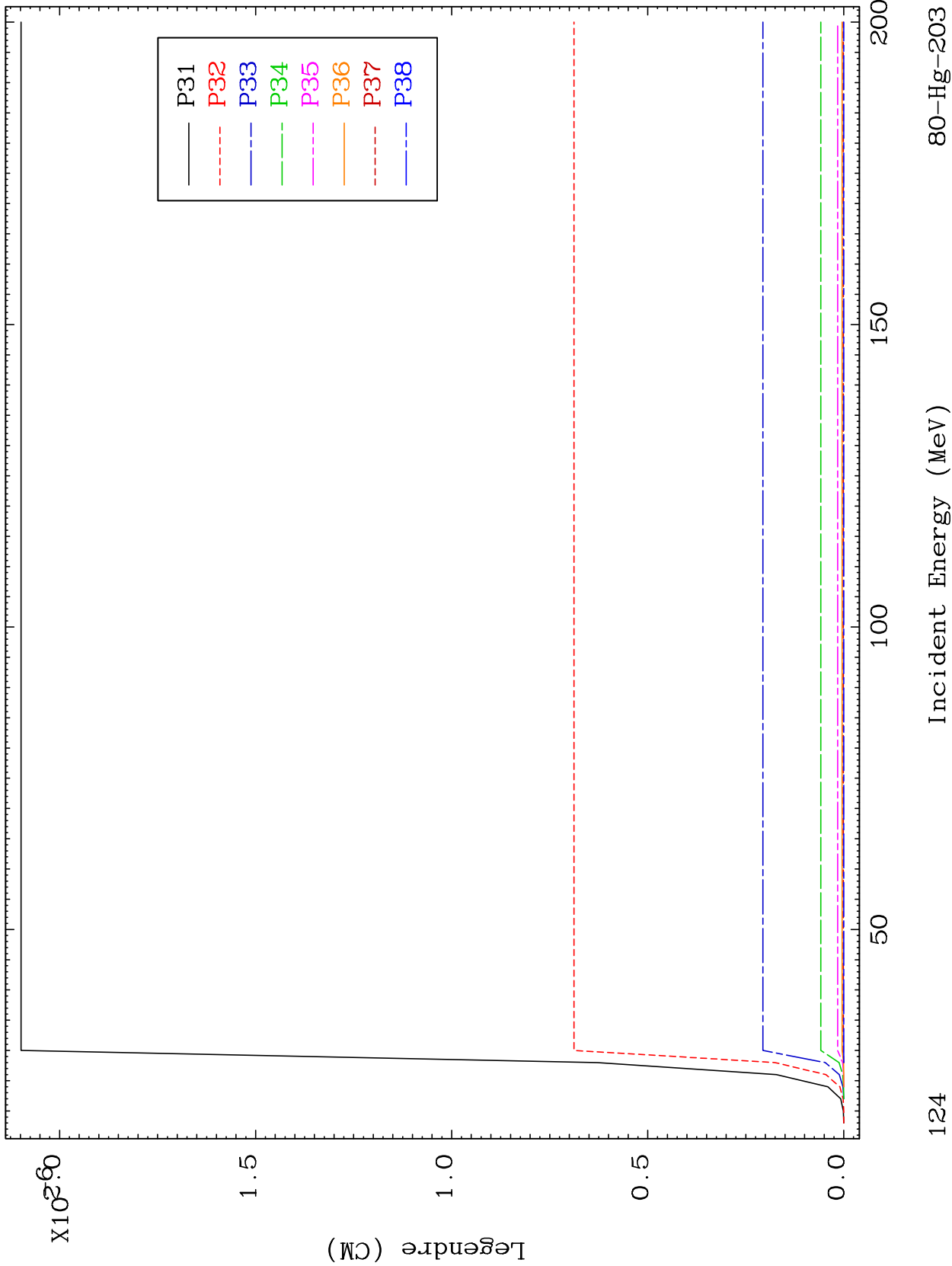
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



124

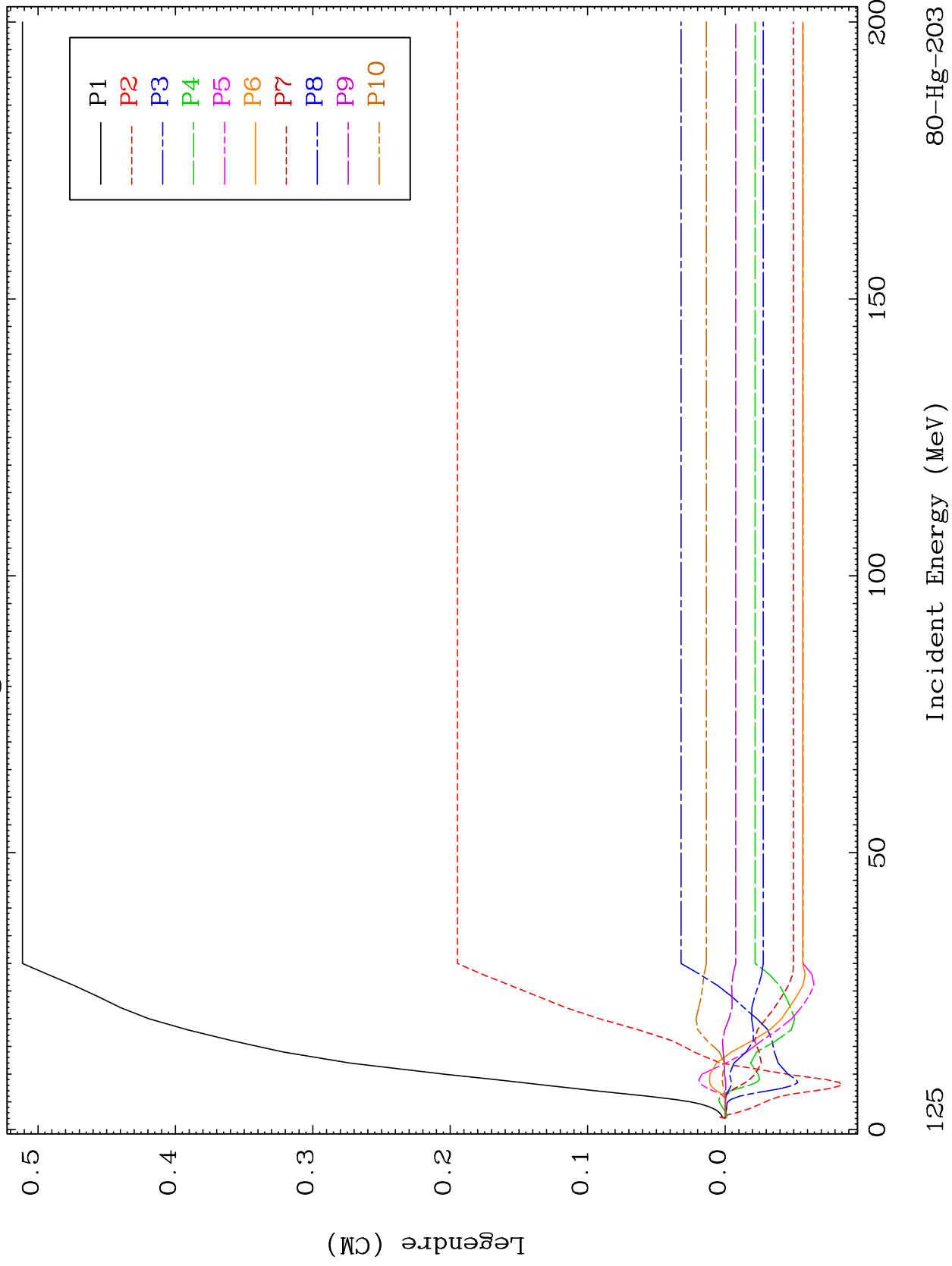
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

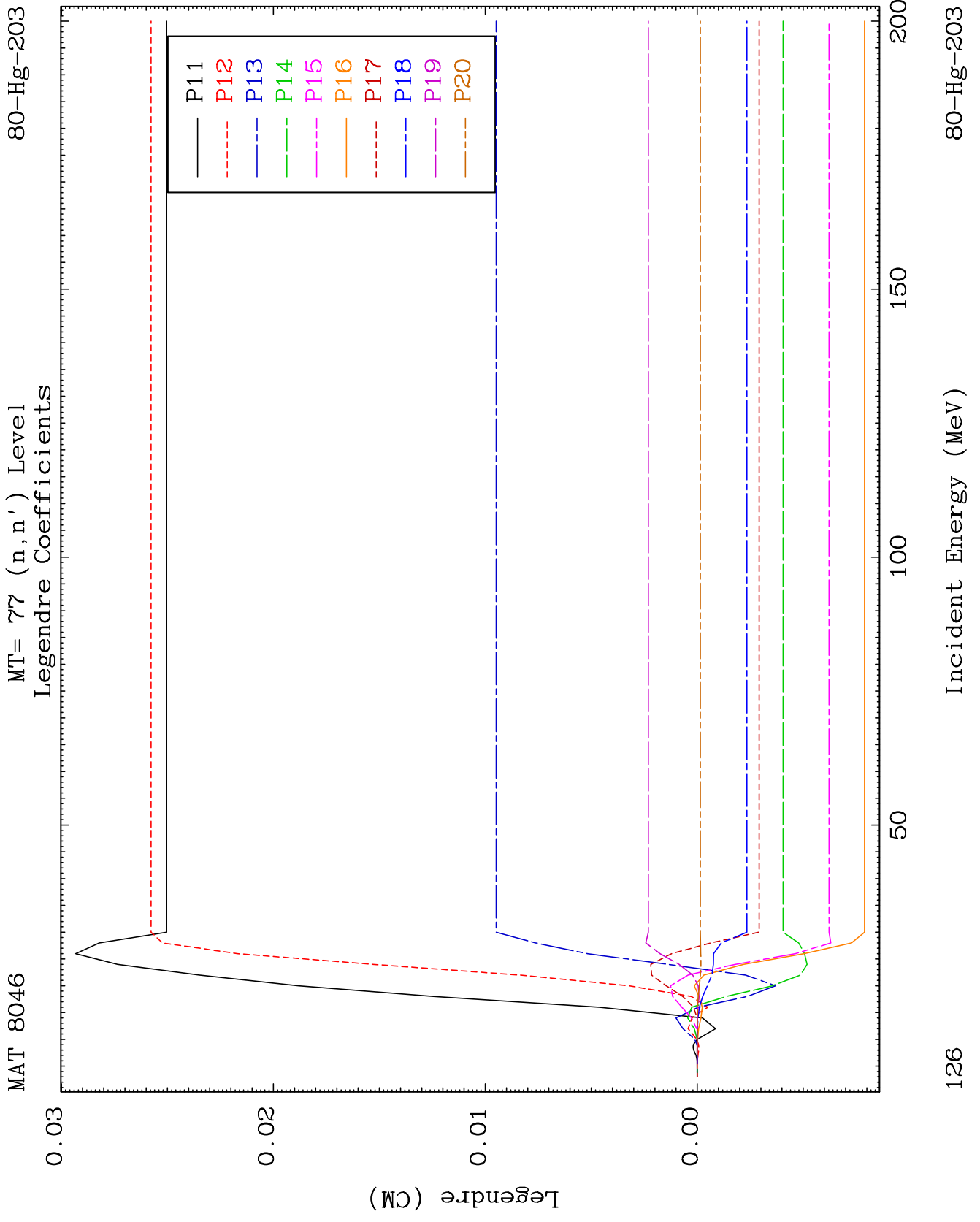
80-Hg-203



80-Hg-203

Incident Energy (MeV)

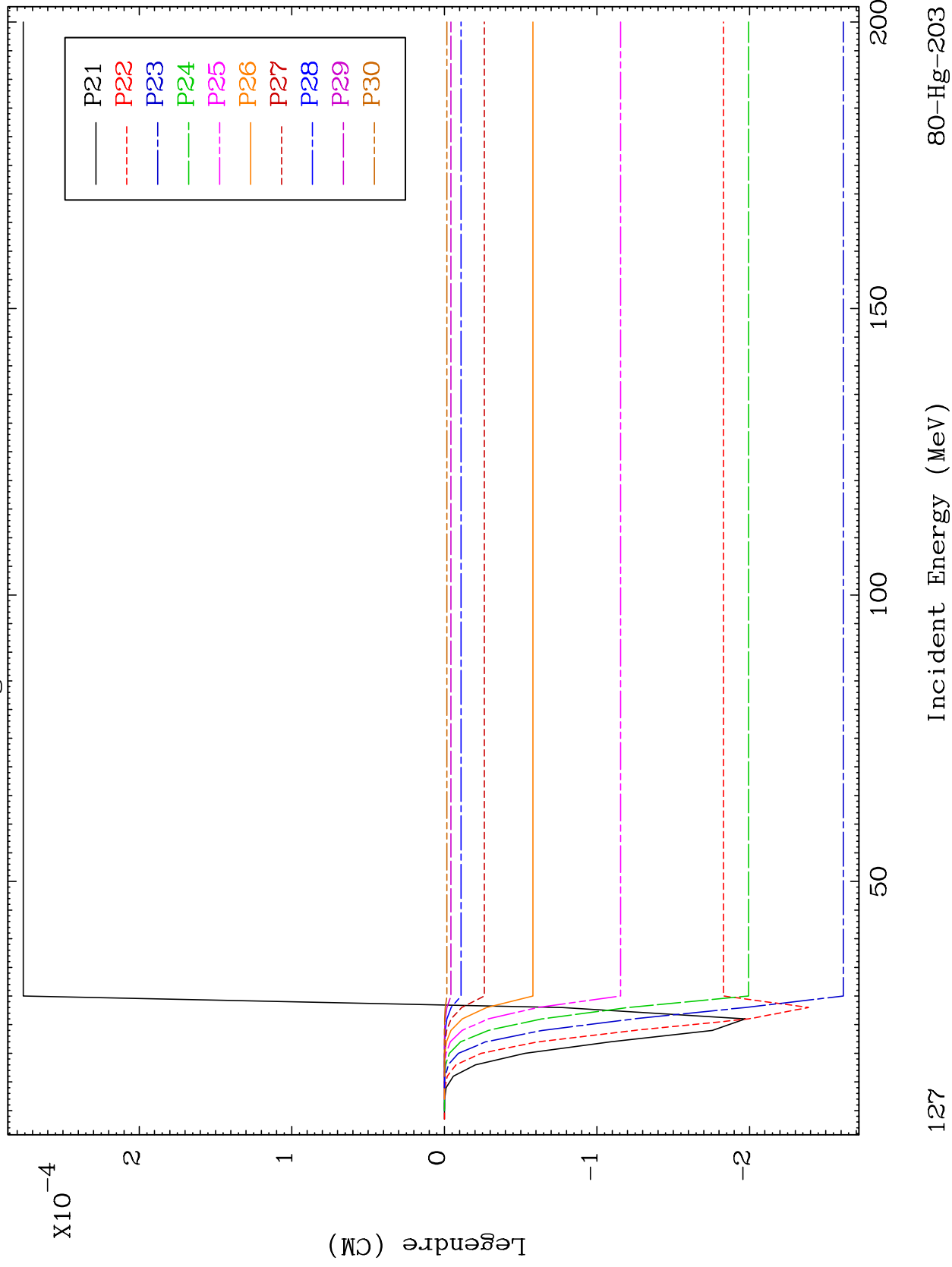
125



MAT 8046

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

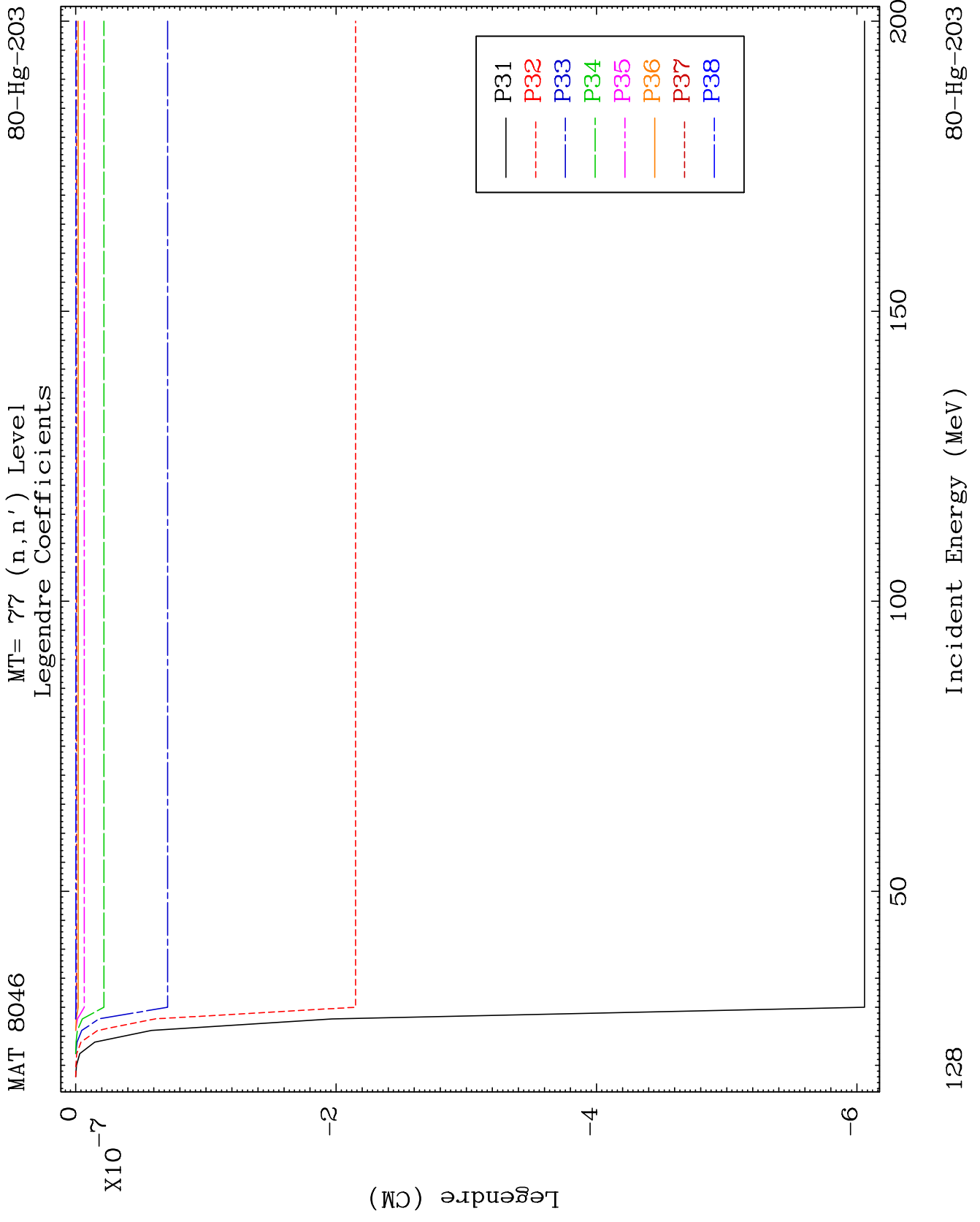
80-Hg-203



127

Incident Energy (MeV)

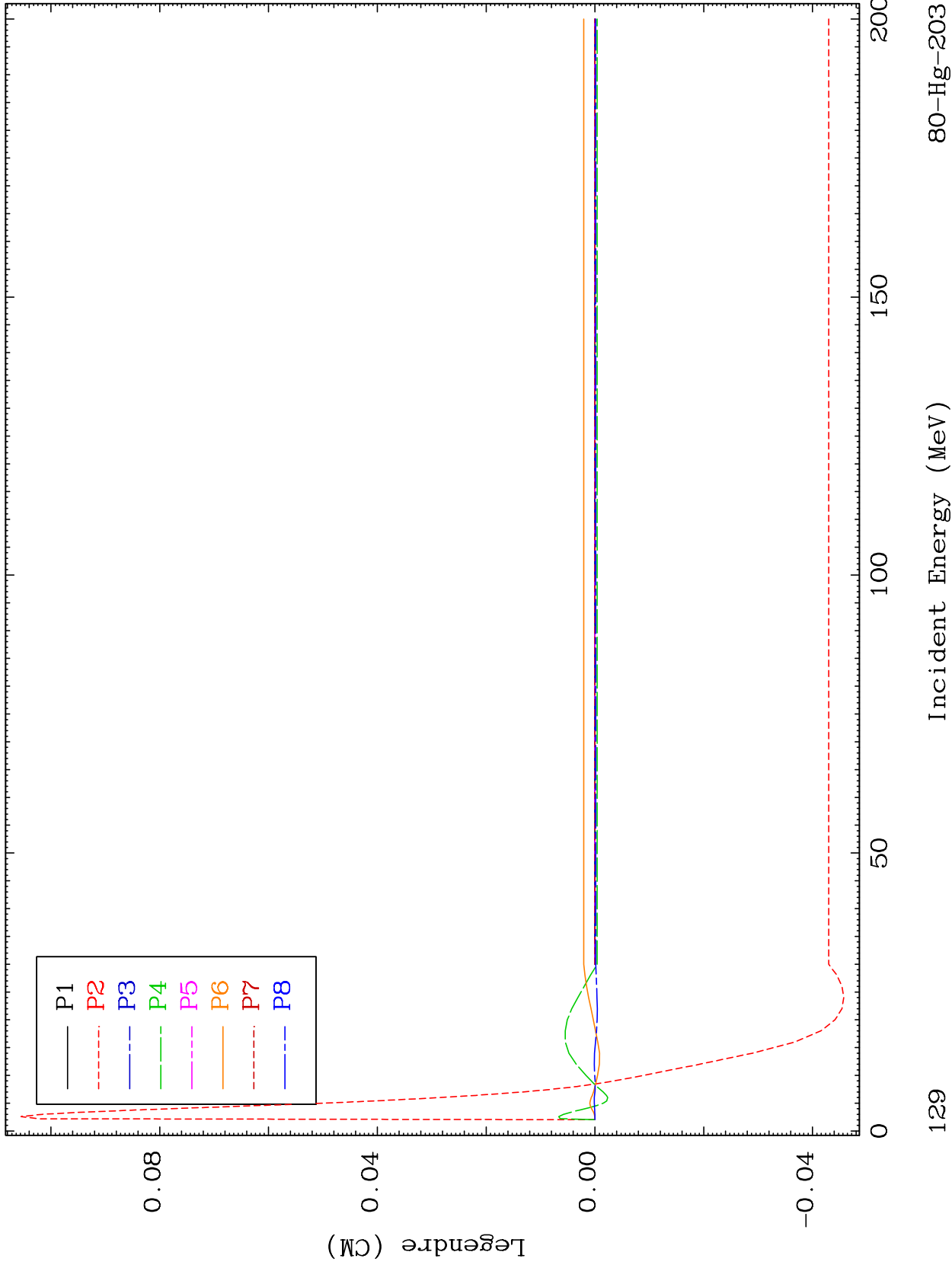
80-Hg-203



MAT 8046

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

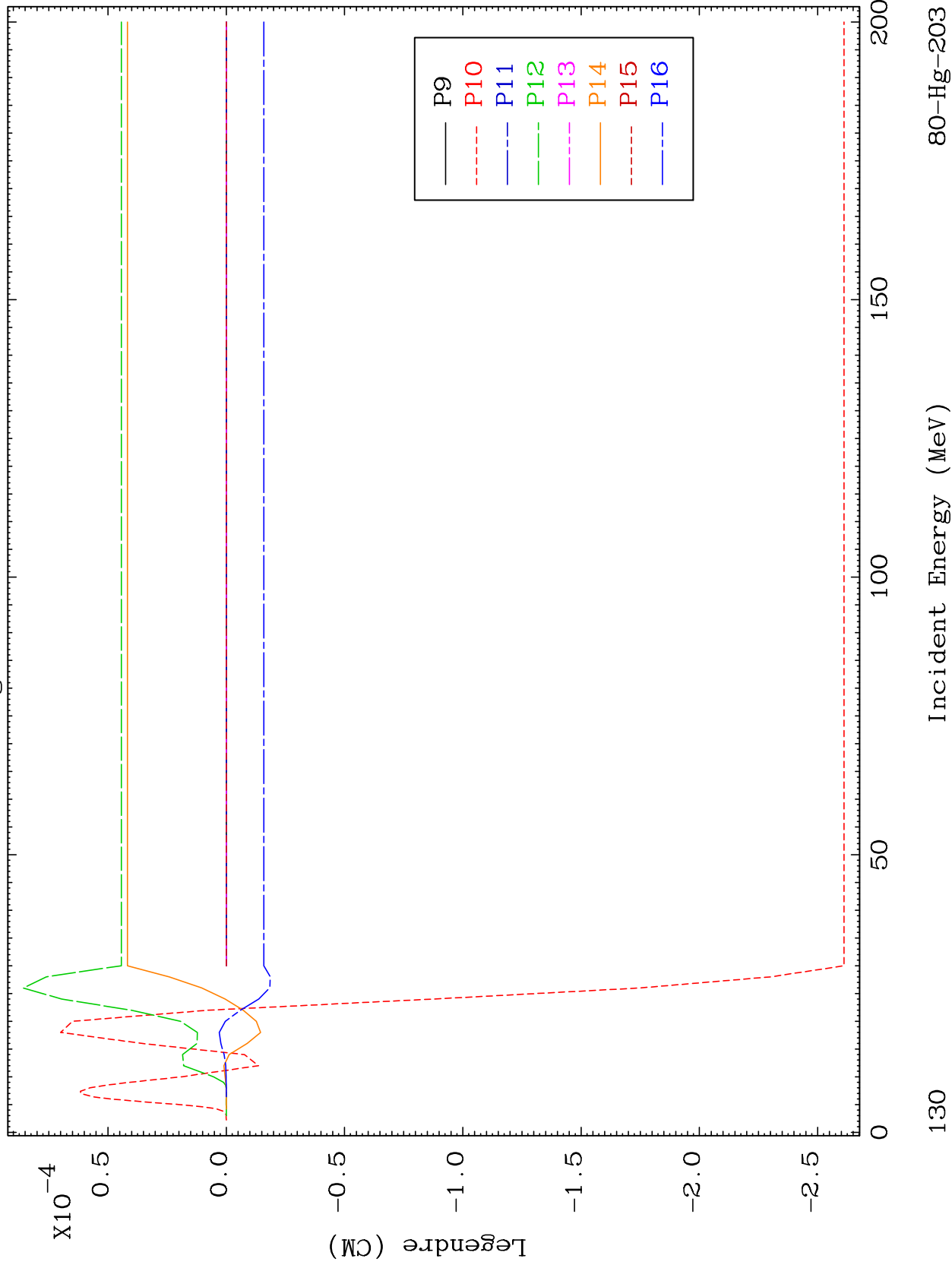
80-Hg-203



MAT 8046

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

80-Hg-203



80-Hg-203

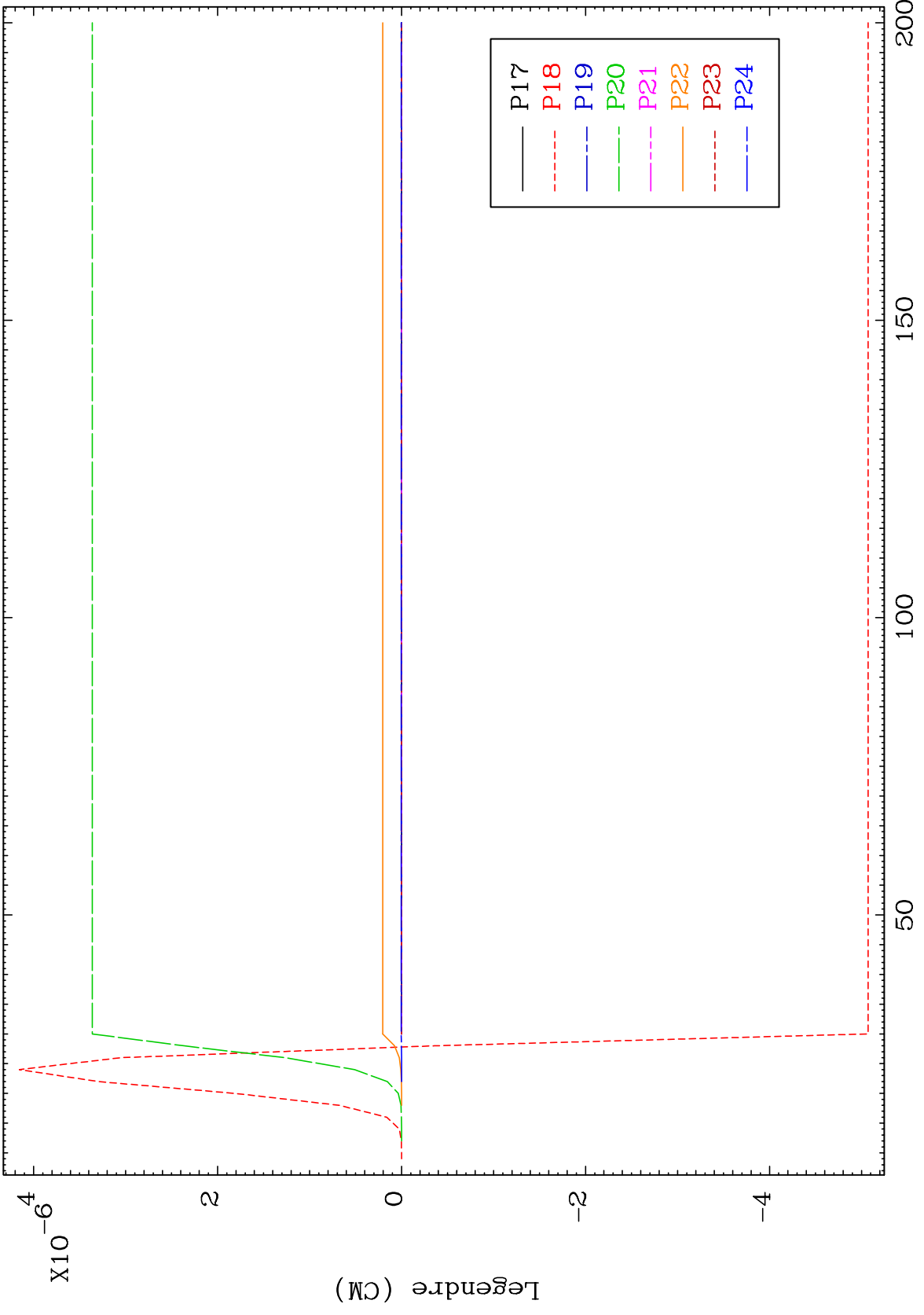
Incident Energy (MeV)

130

MAT 8046

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

80-Hg-203



131

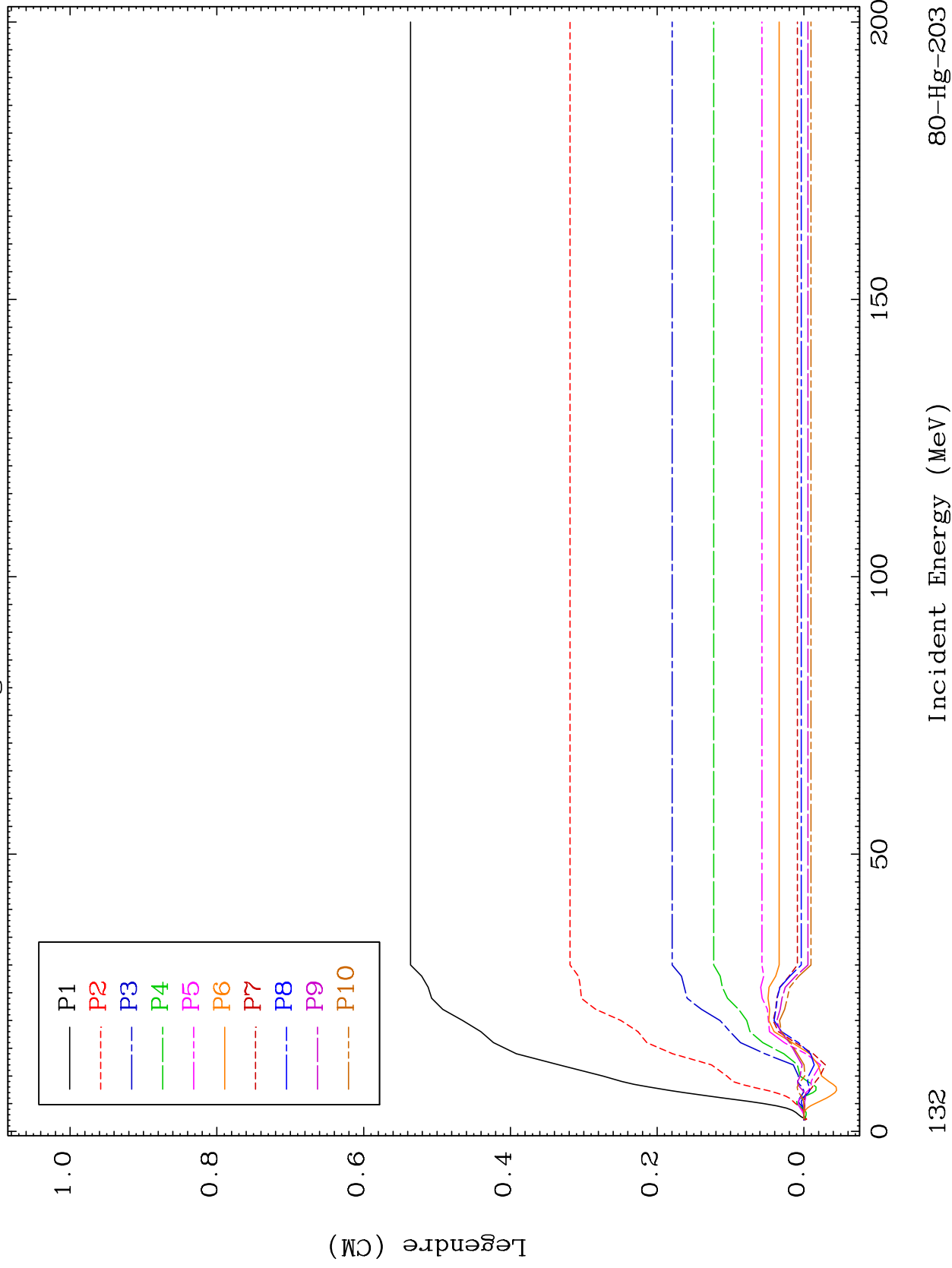
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203

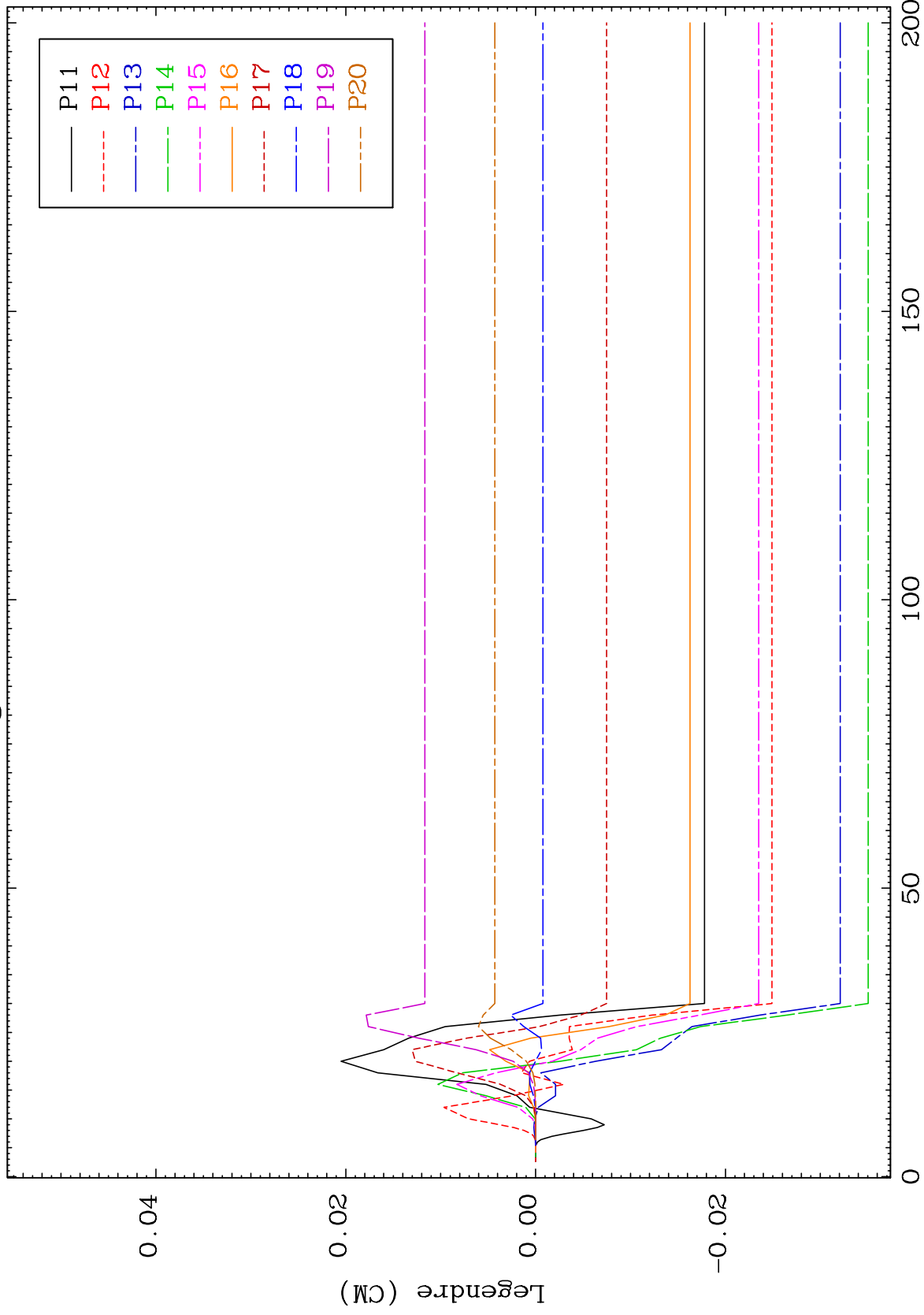


132

MAT 8046

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

80-Hg-203



133

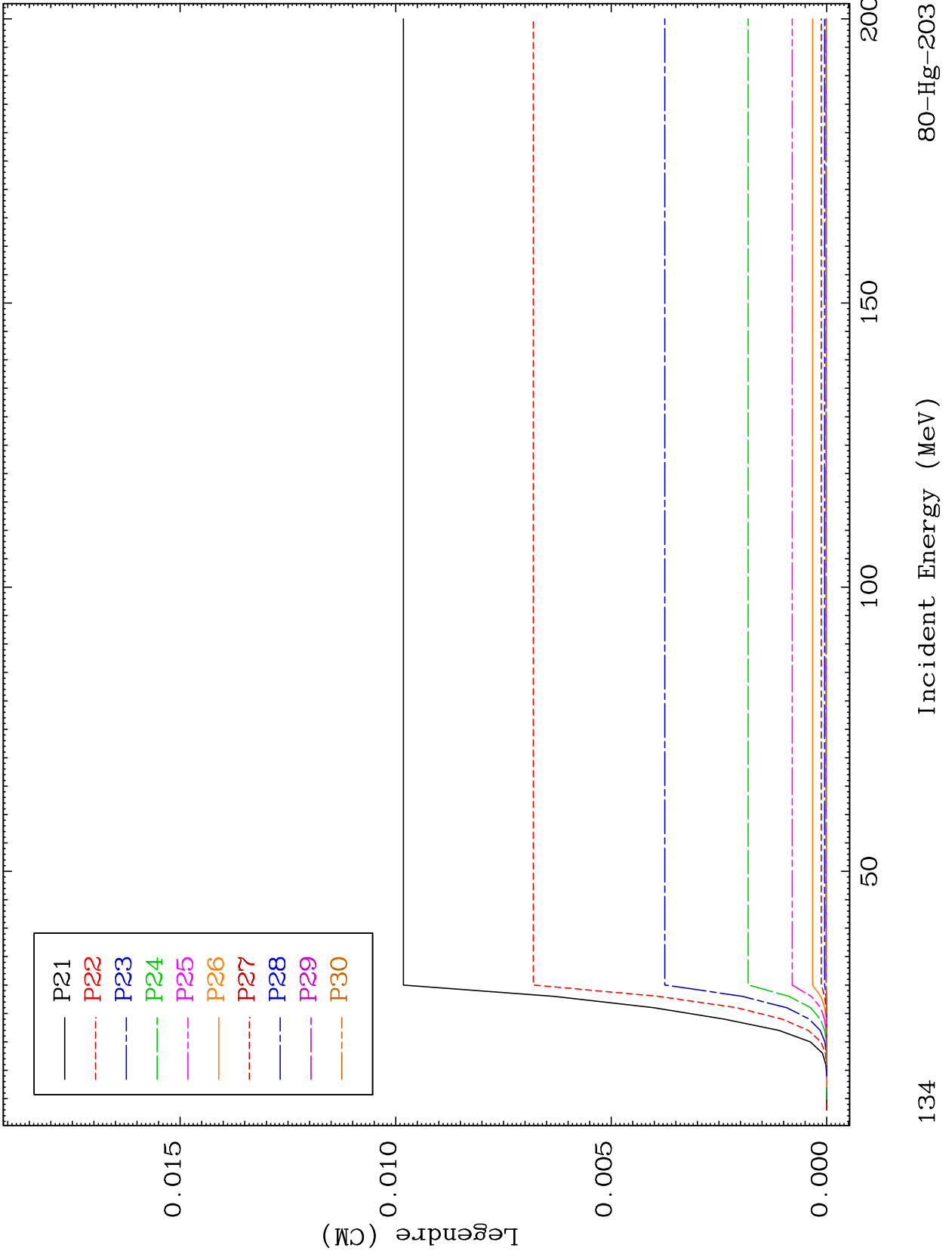
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



134

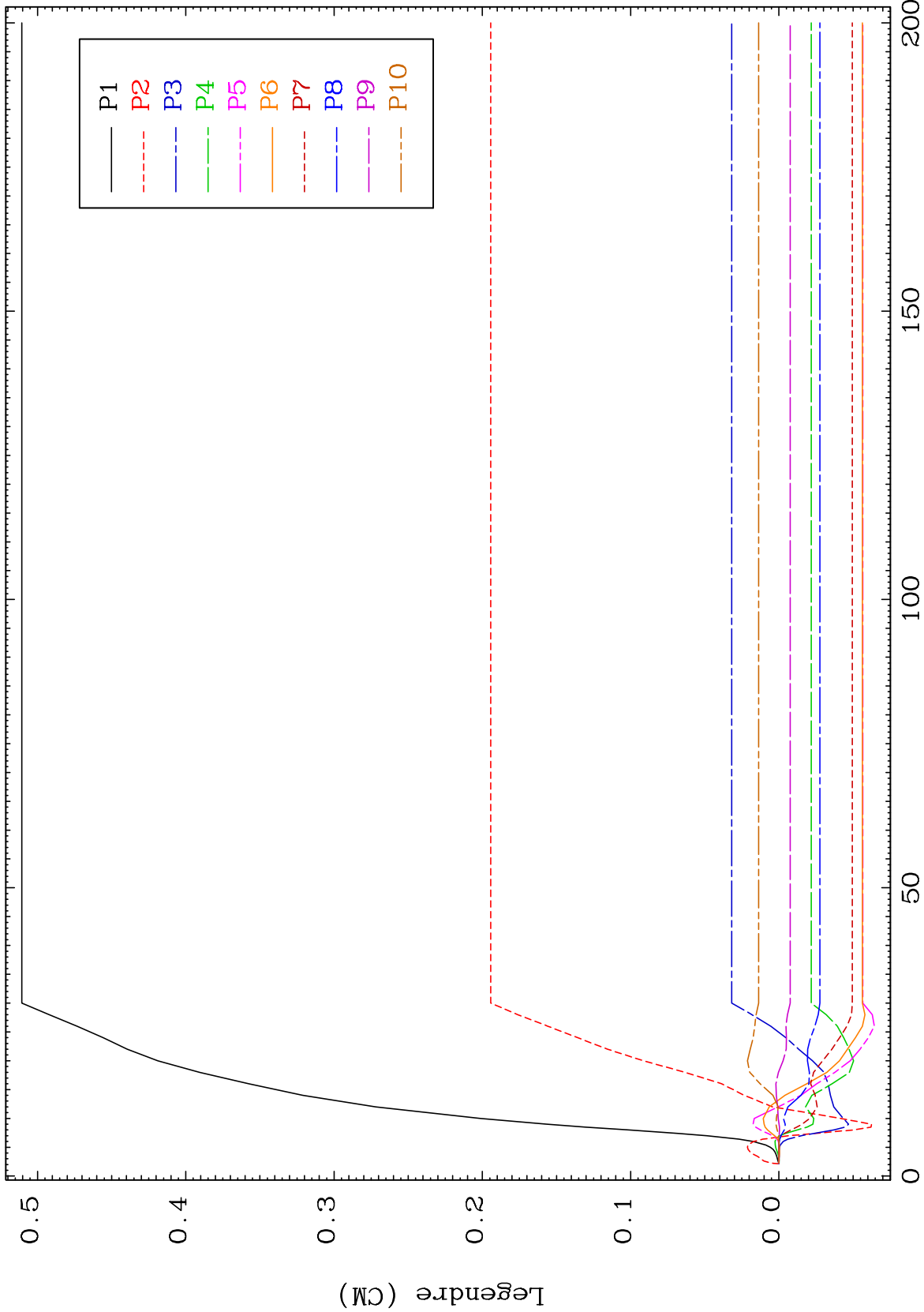
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



136

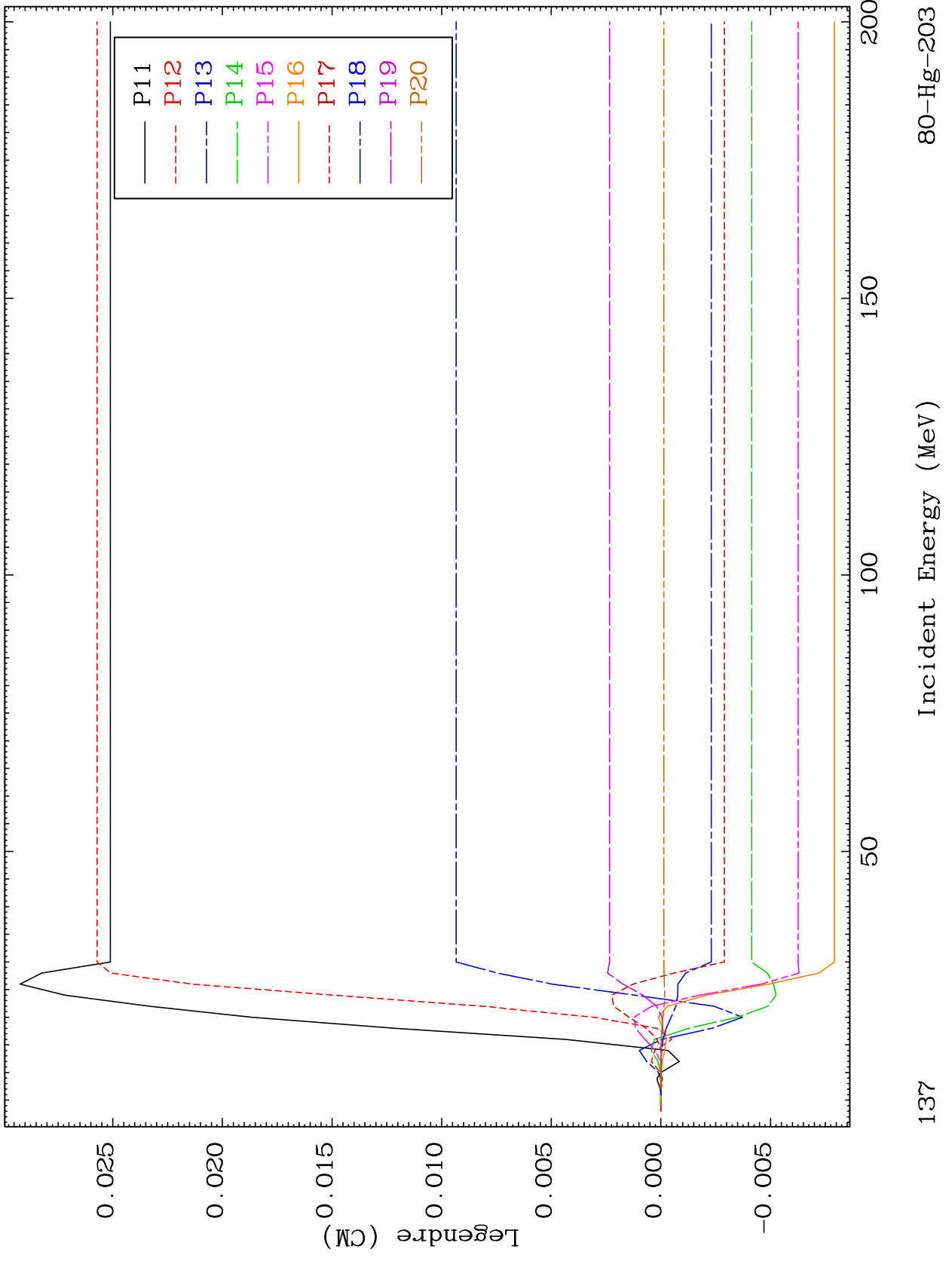
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

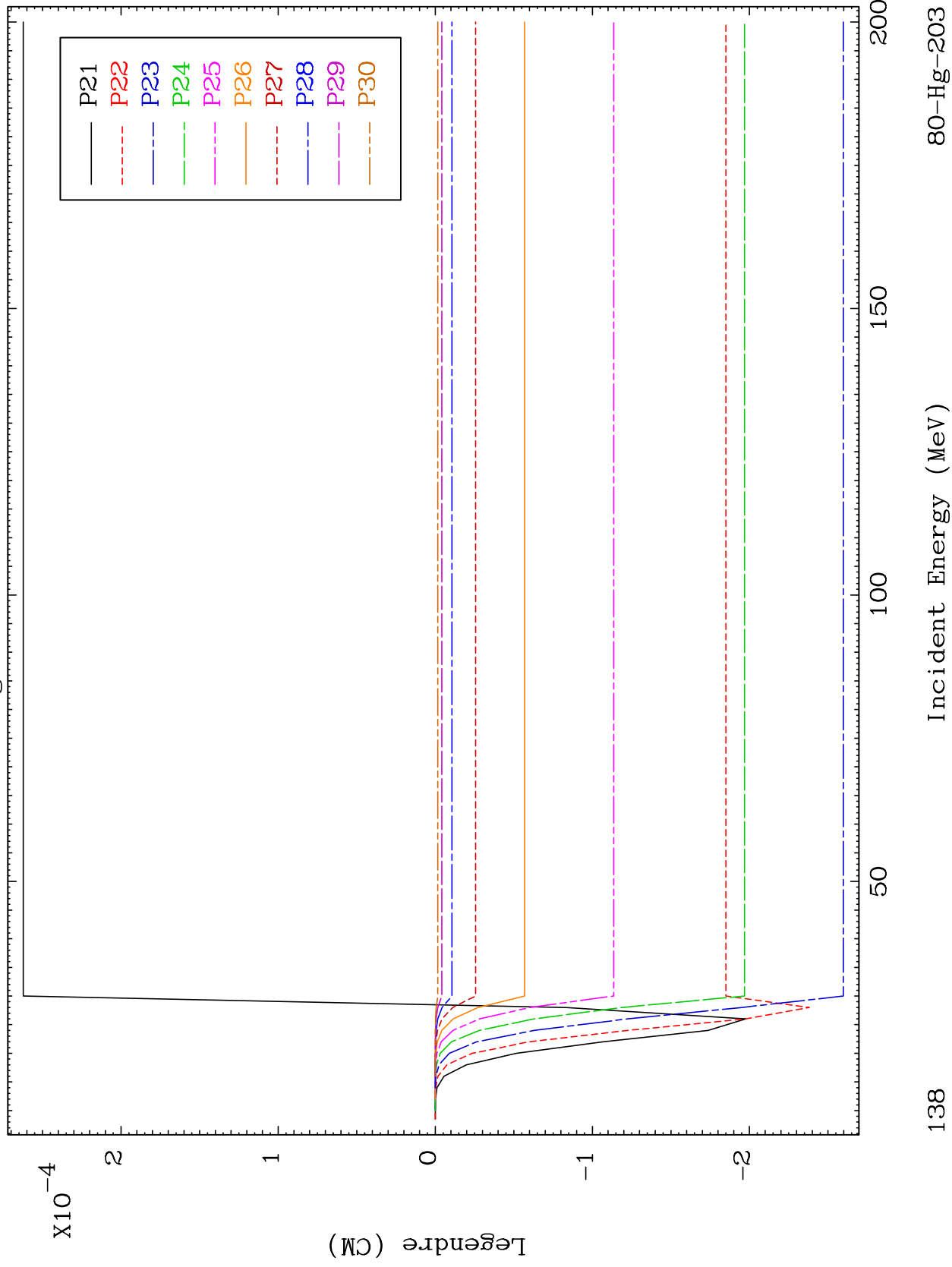
80-Hg-203



MAT 8046

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

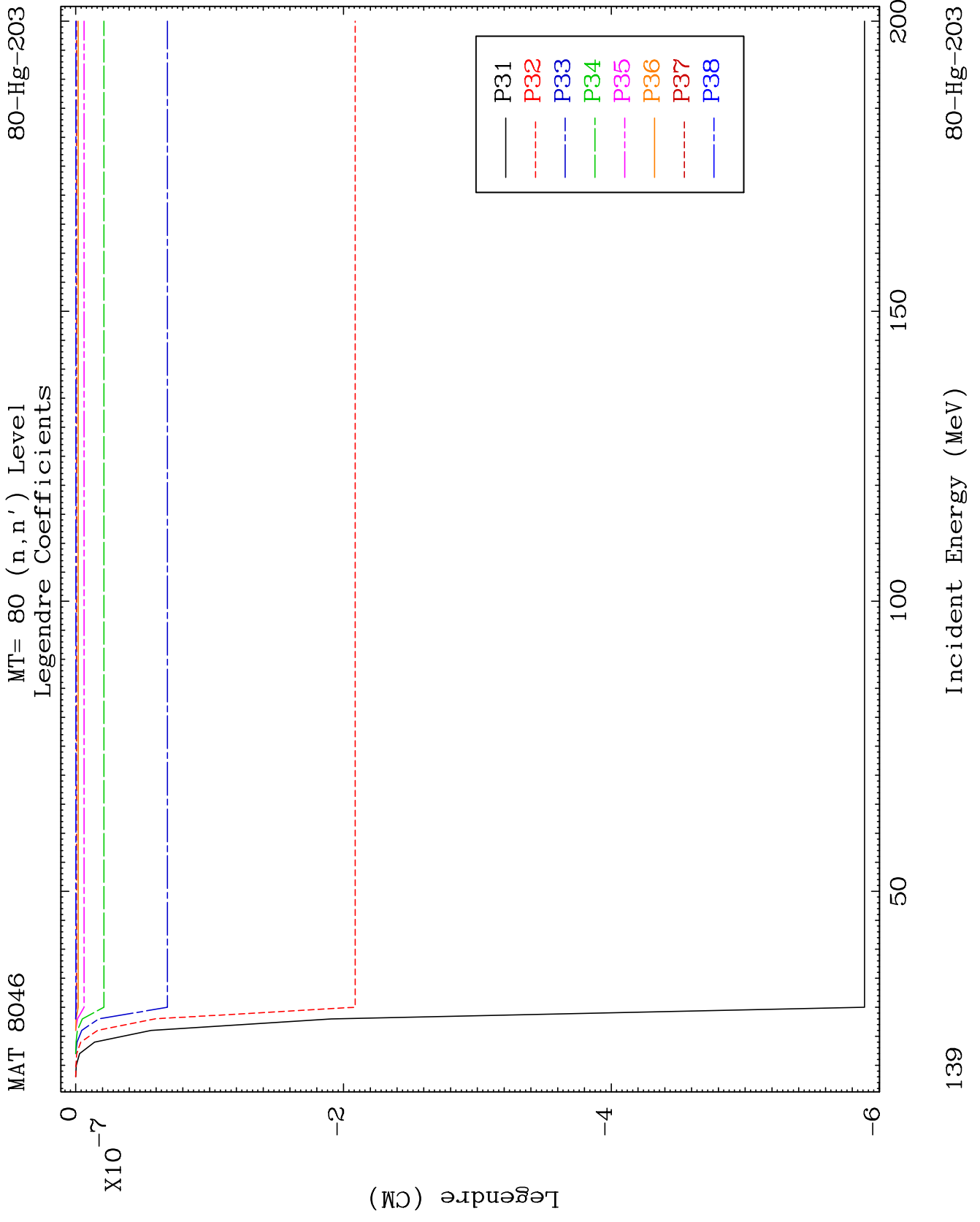
80-Hg-203



138

Incident Energy (MeV)

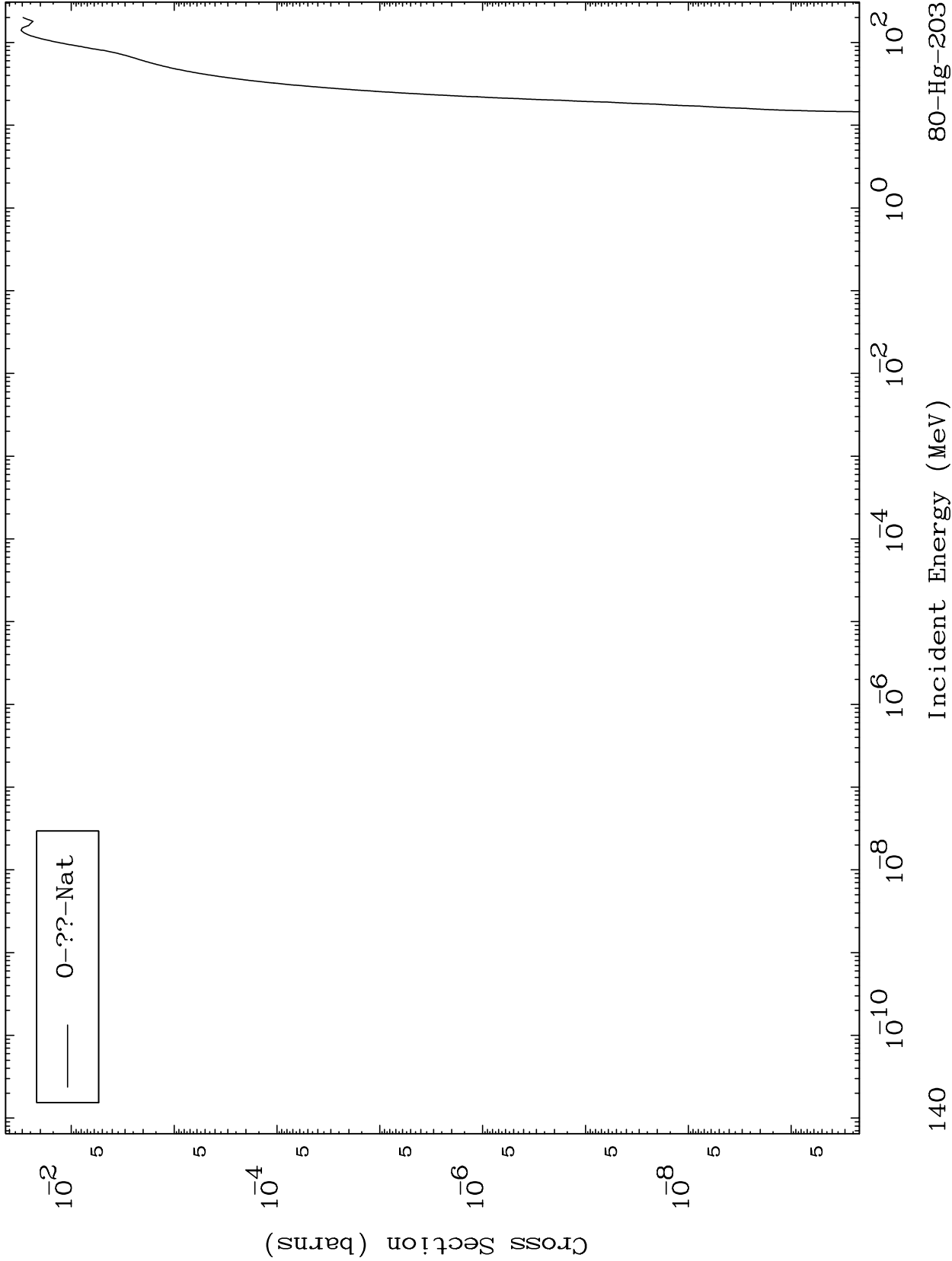
80-Hg-203



MAT 8046

Fission
Radionuclide Production Cross Section

80-Hg-203

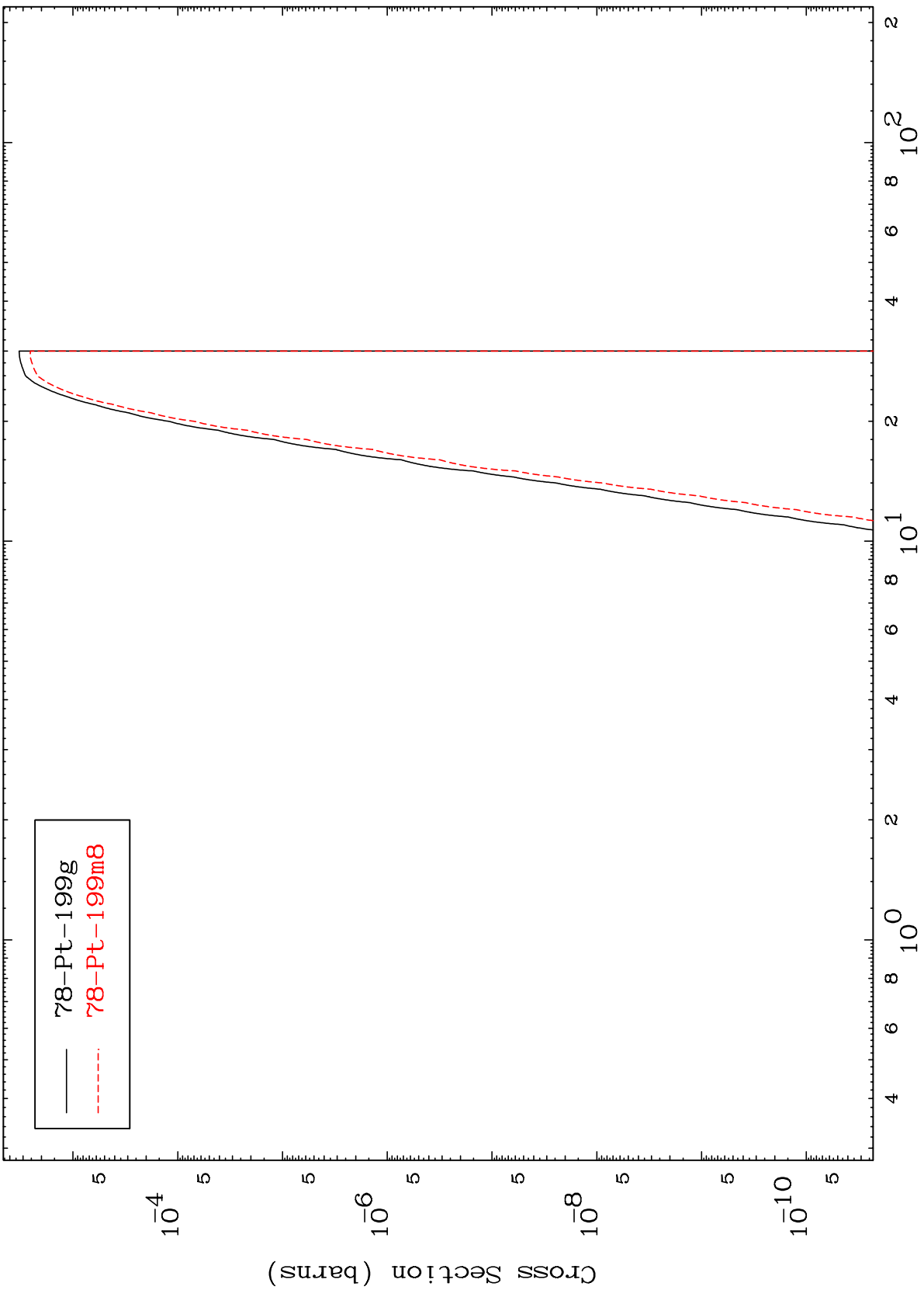


MAT 8046

$(n, n') \alpha$

80-Hg-203

Radionuclide Production Cross Section



141

Incident Energy (MeV)

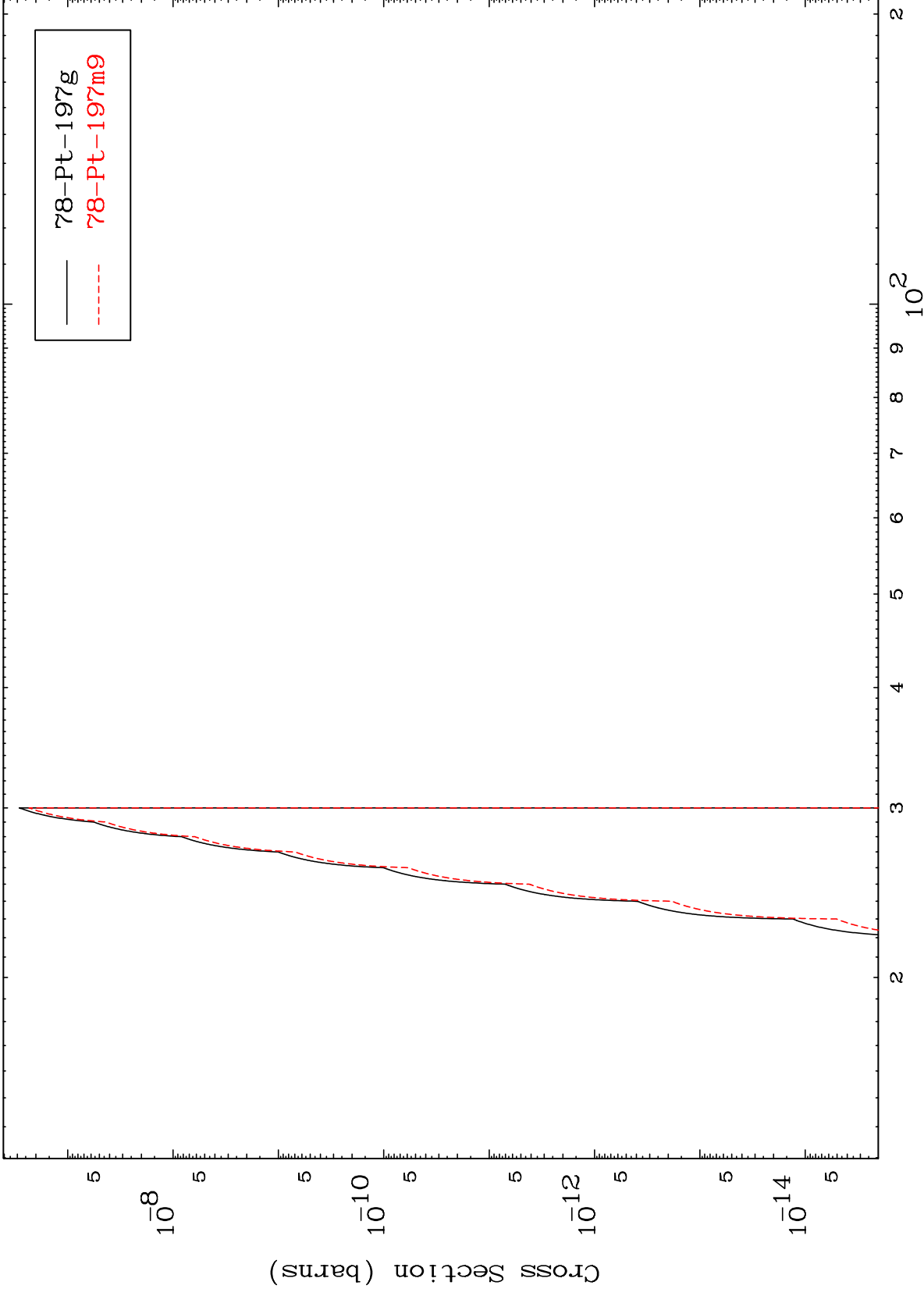
80-Hg-203

MAT 8046

(n,3n) α

80-Hg-203

Radionuclide Production Cross Section



78-Pt-197g
78-Pt-197m9

142

Incident Energy (MeV)

80-Hg-203