

Program EVALPLOT
(Version 2018-1)

by

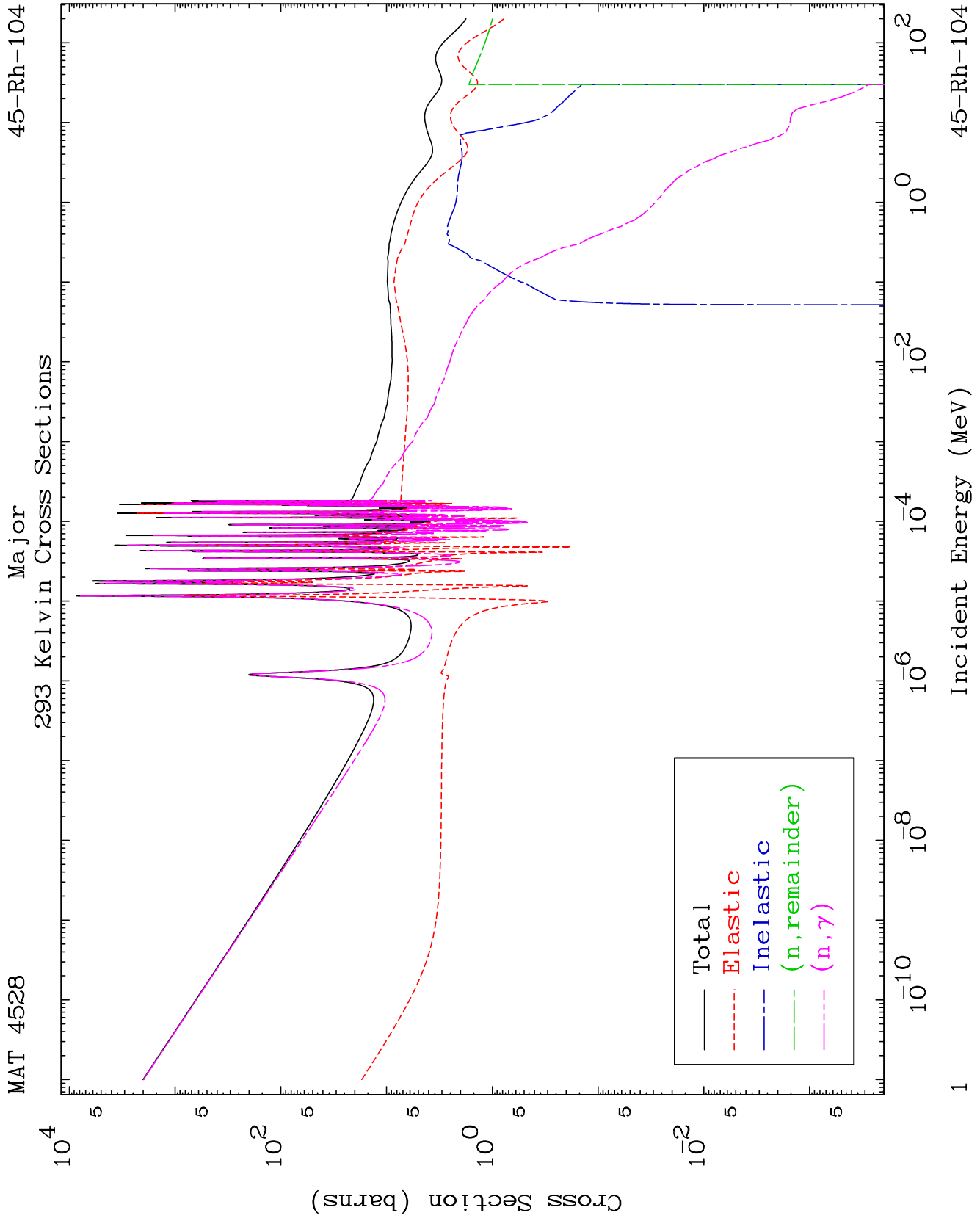
Dermott E. Cullen
(Present Contact Information)

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

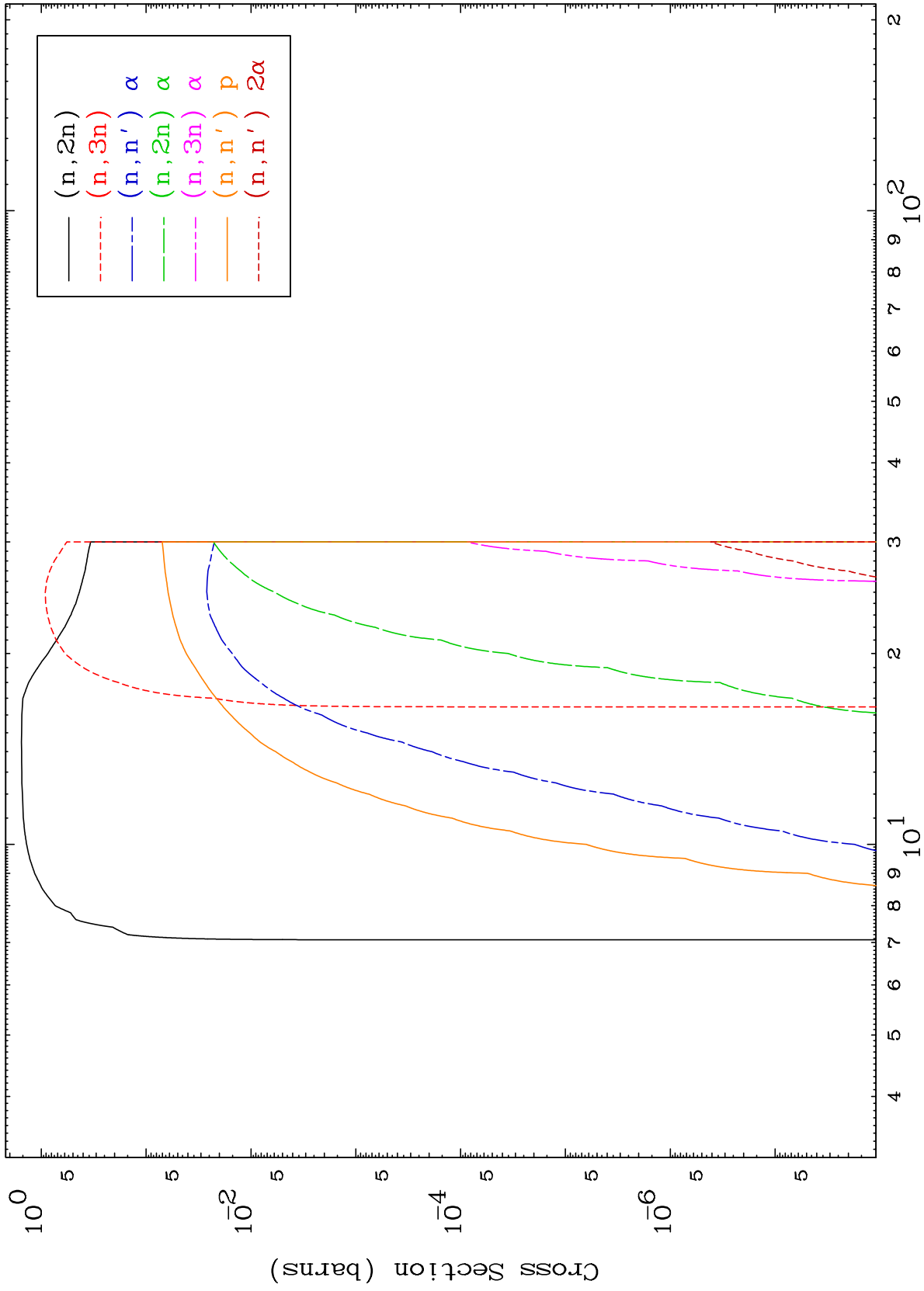
Press Mouse Button to Start



MAT 4528

Neutron Production 293 Kelvin Cross Sections

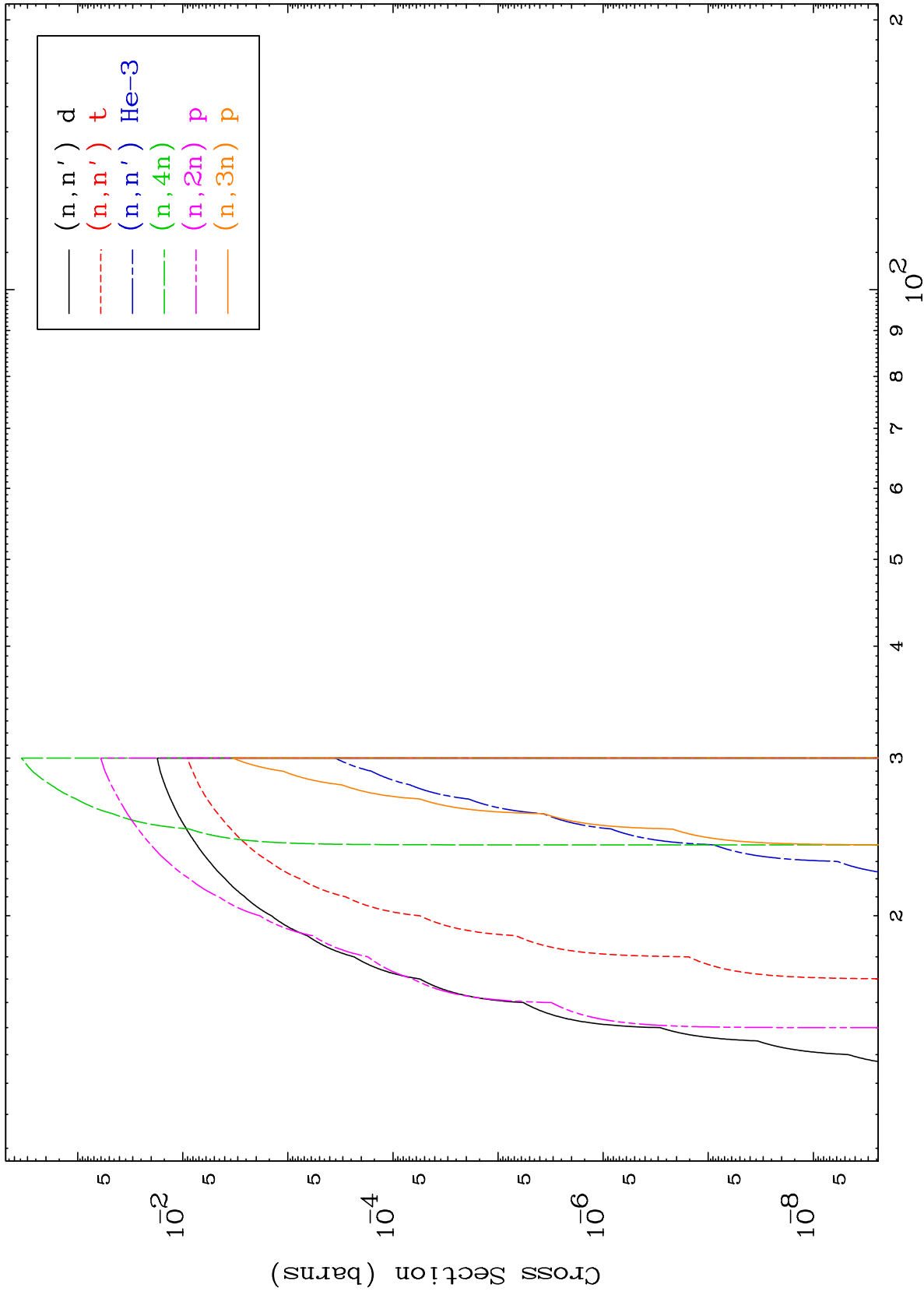
45-Rh-104

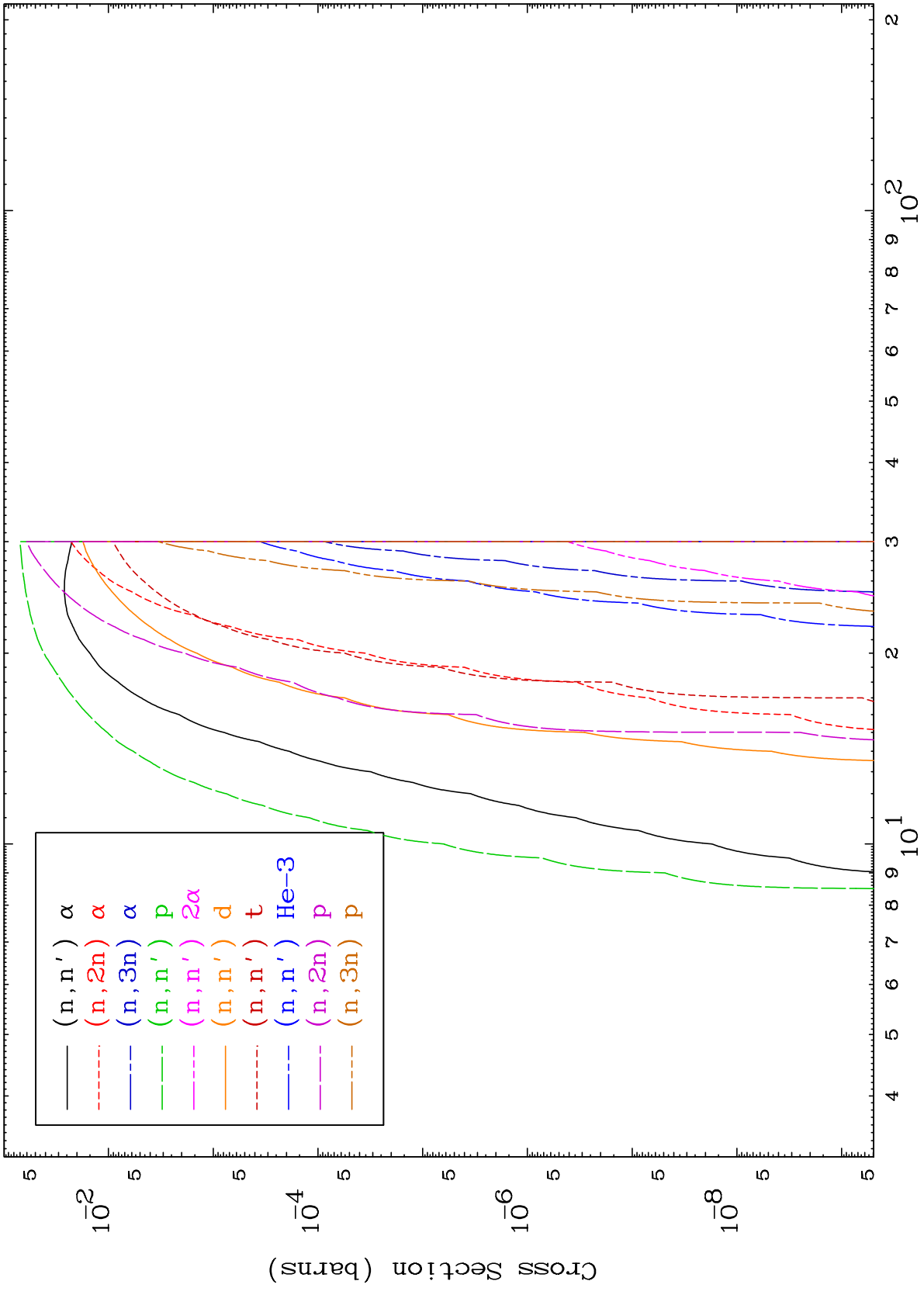


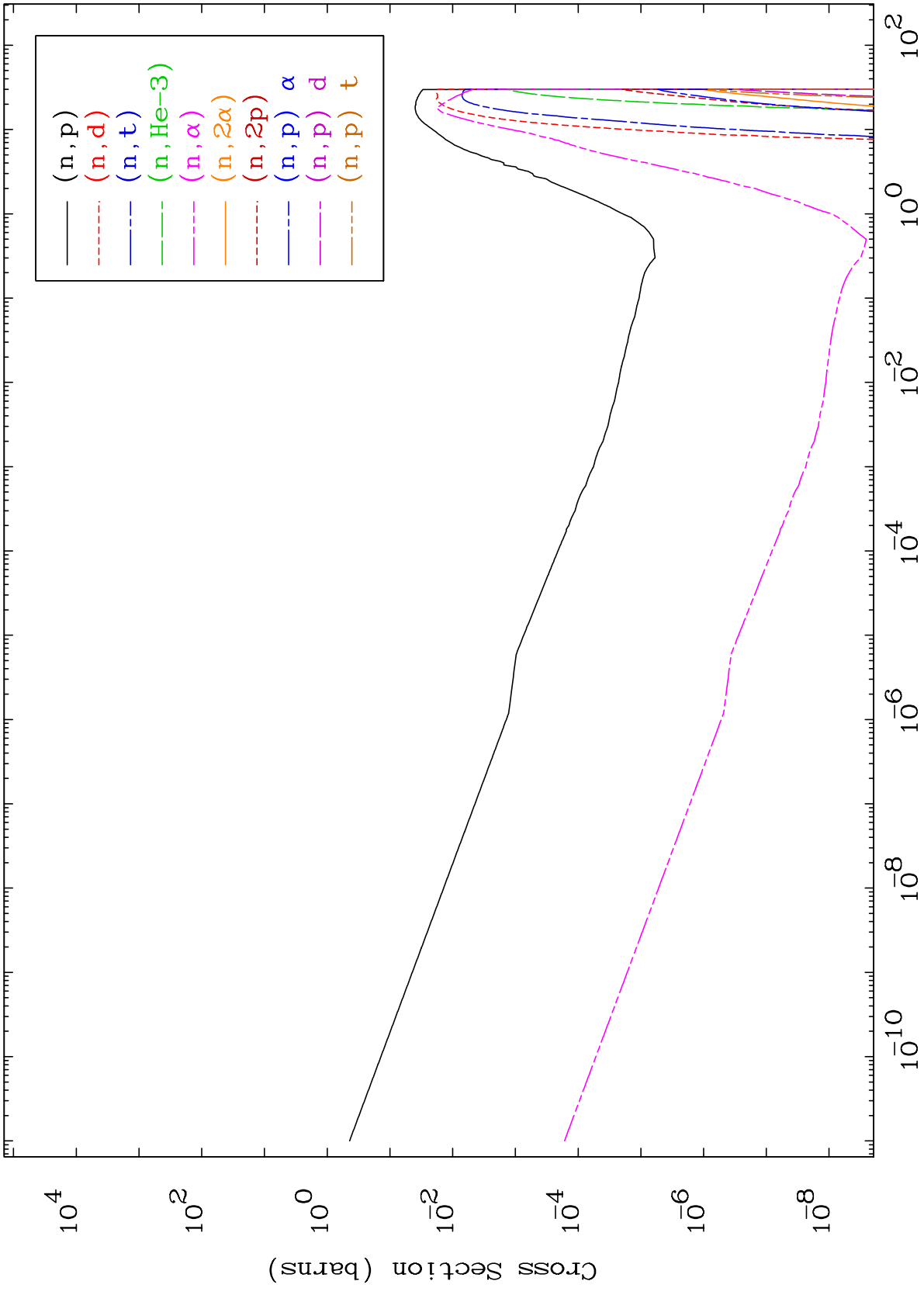
2

Incident Energy (MeV)

45-Rh-104



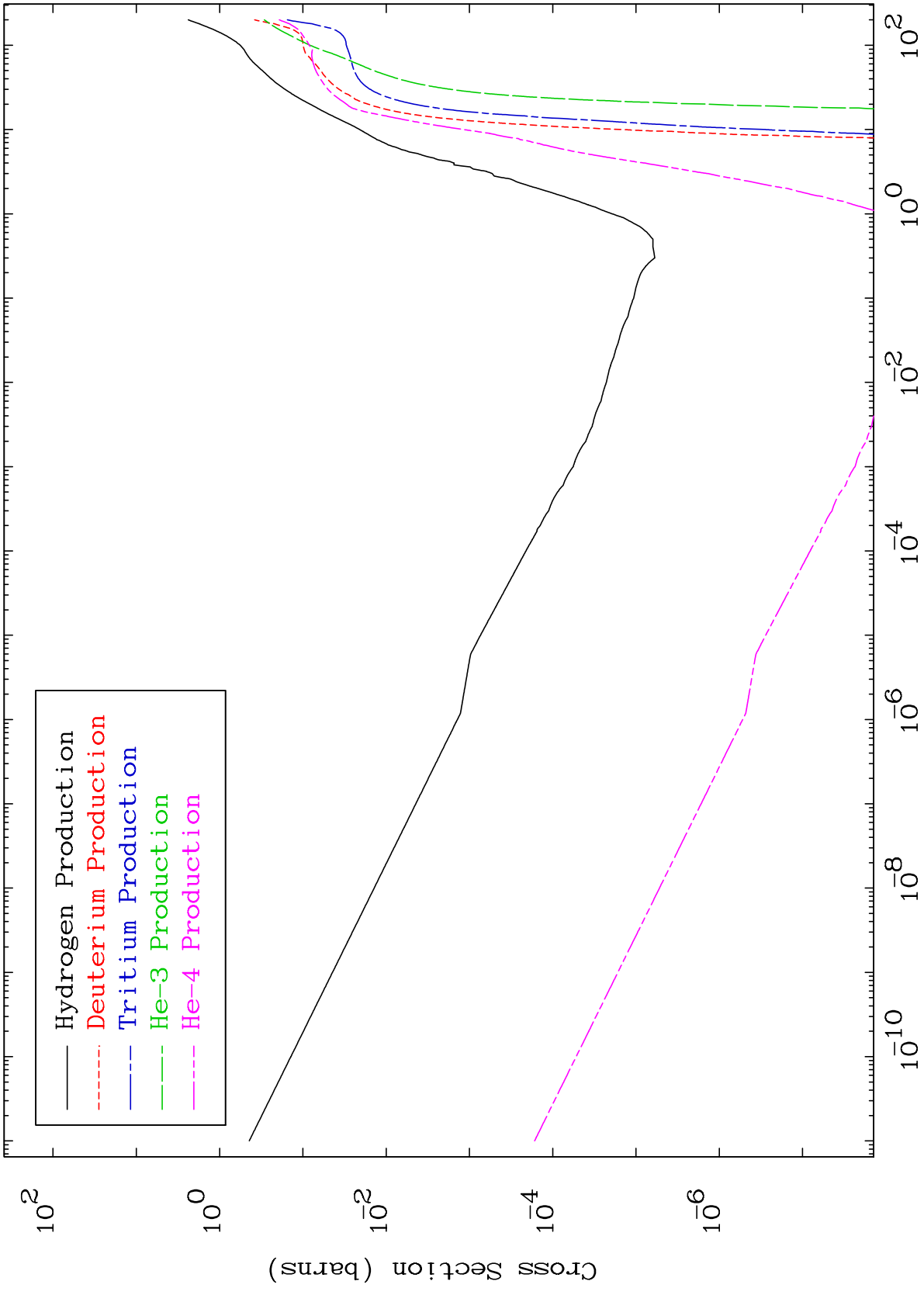




MAT 4528

Particle Production
293 Kelvin Cross Sections

45-Rh-104



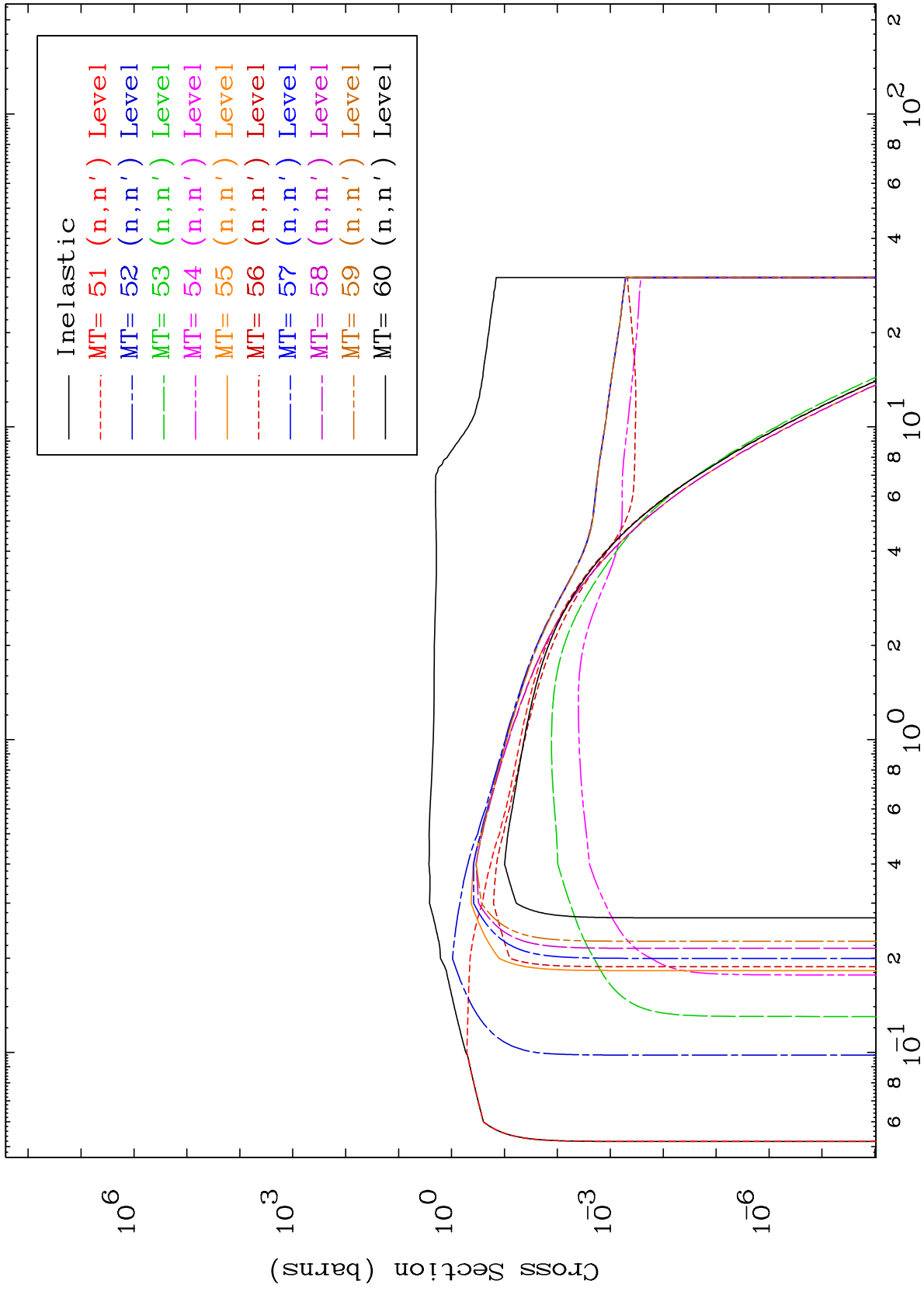
45-Rh-104

MAT 4528

(n,n') Level

45-Rh-104

293 Kelvin Cross Sections



7

Incident Energy (MeV)

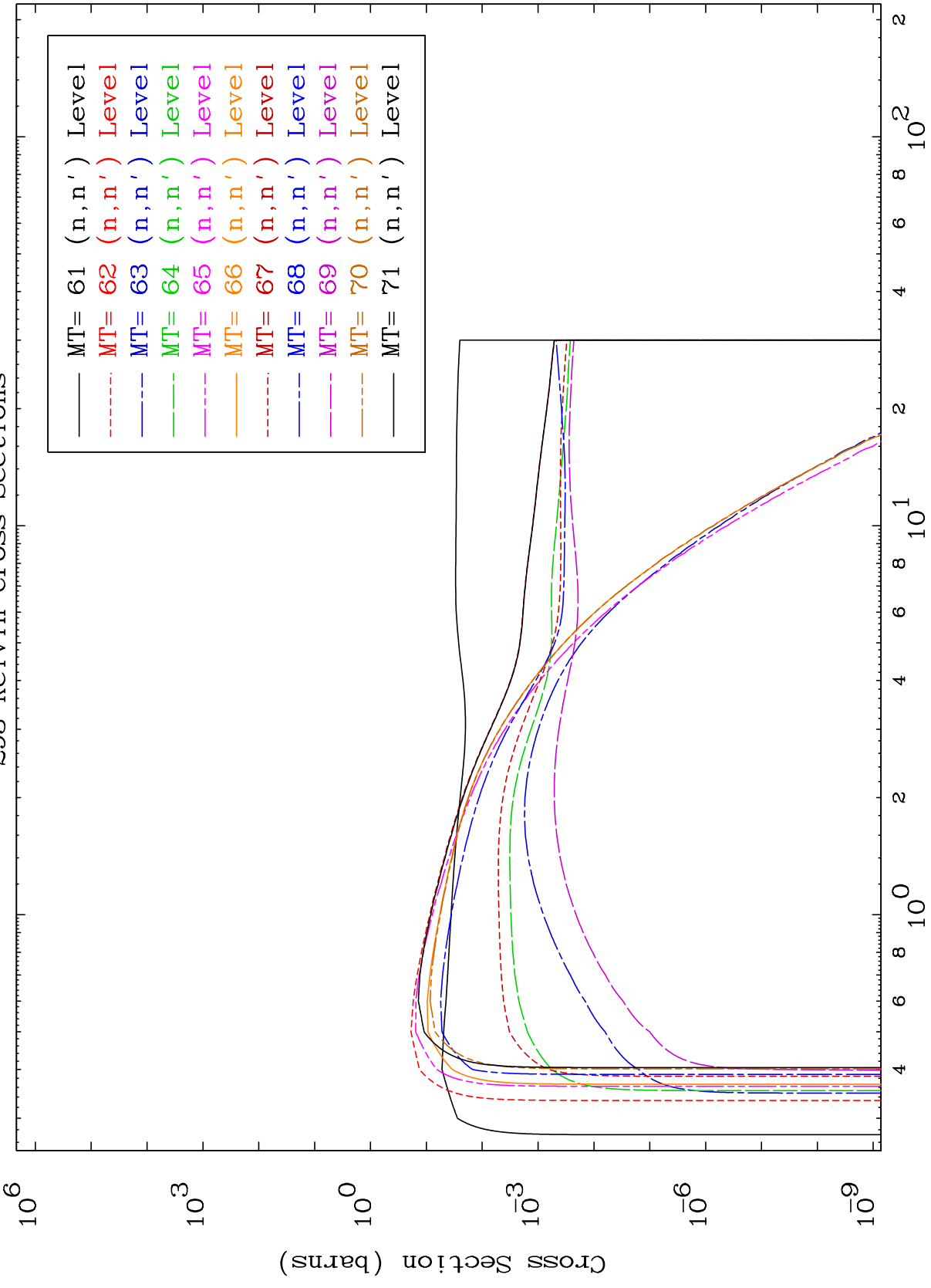
45-Rh-104

MAT 4528

(n,n') Level

45-Rh-104

293 Kelvin Cross Sections



8

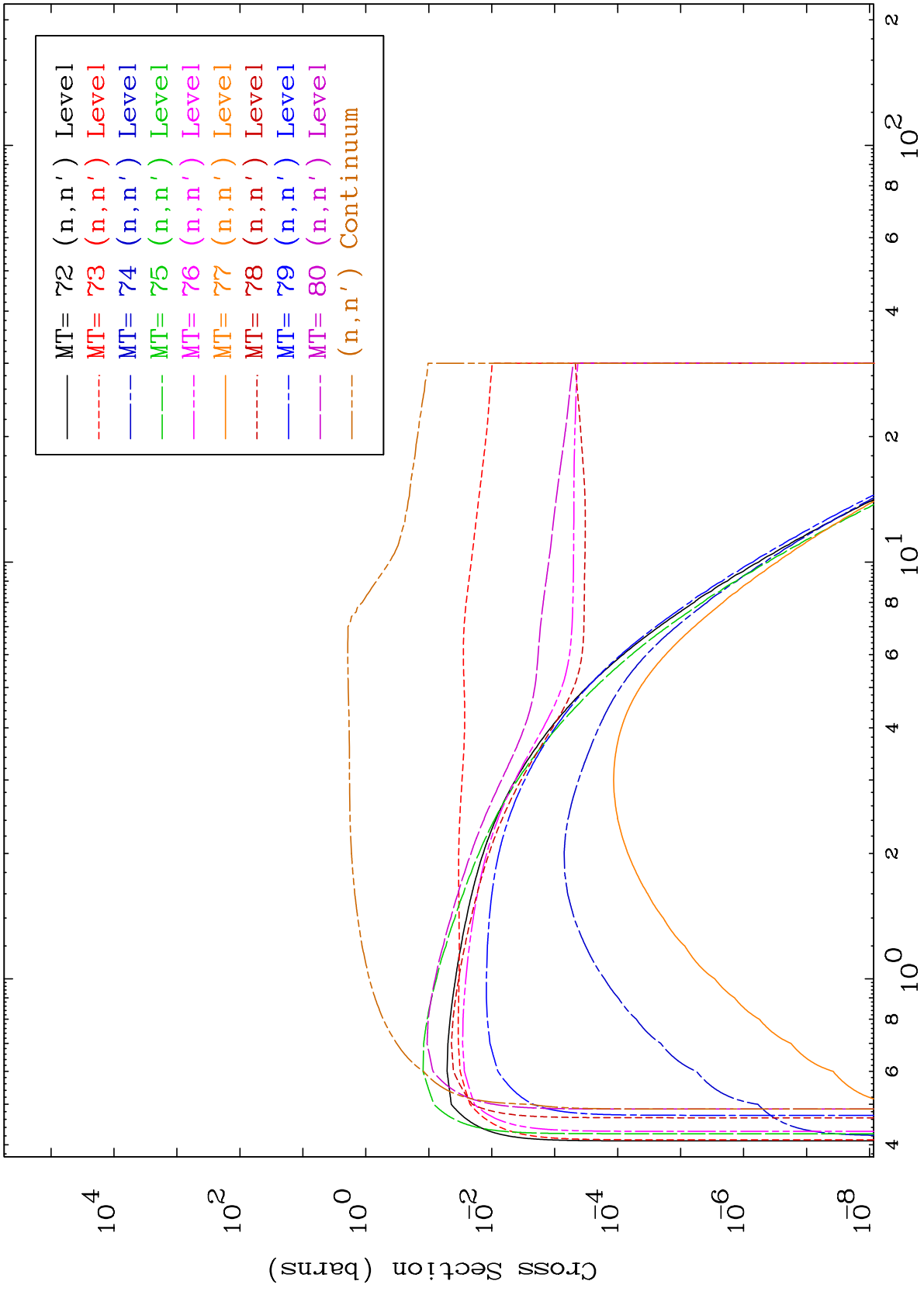
Incident Energy (MeV)

45-Rh-104

MAT 4528

(n,n') Level
293 Kelvin Cross Sections

45-Rh-104



9

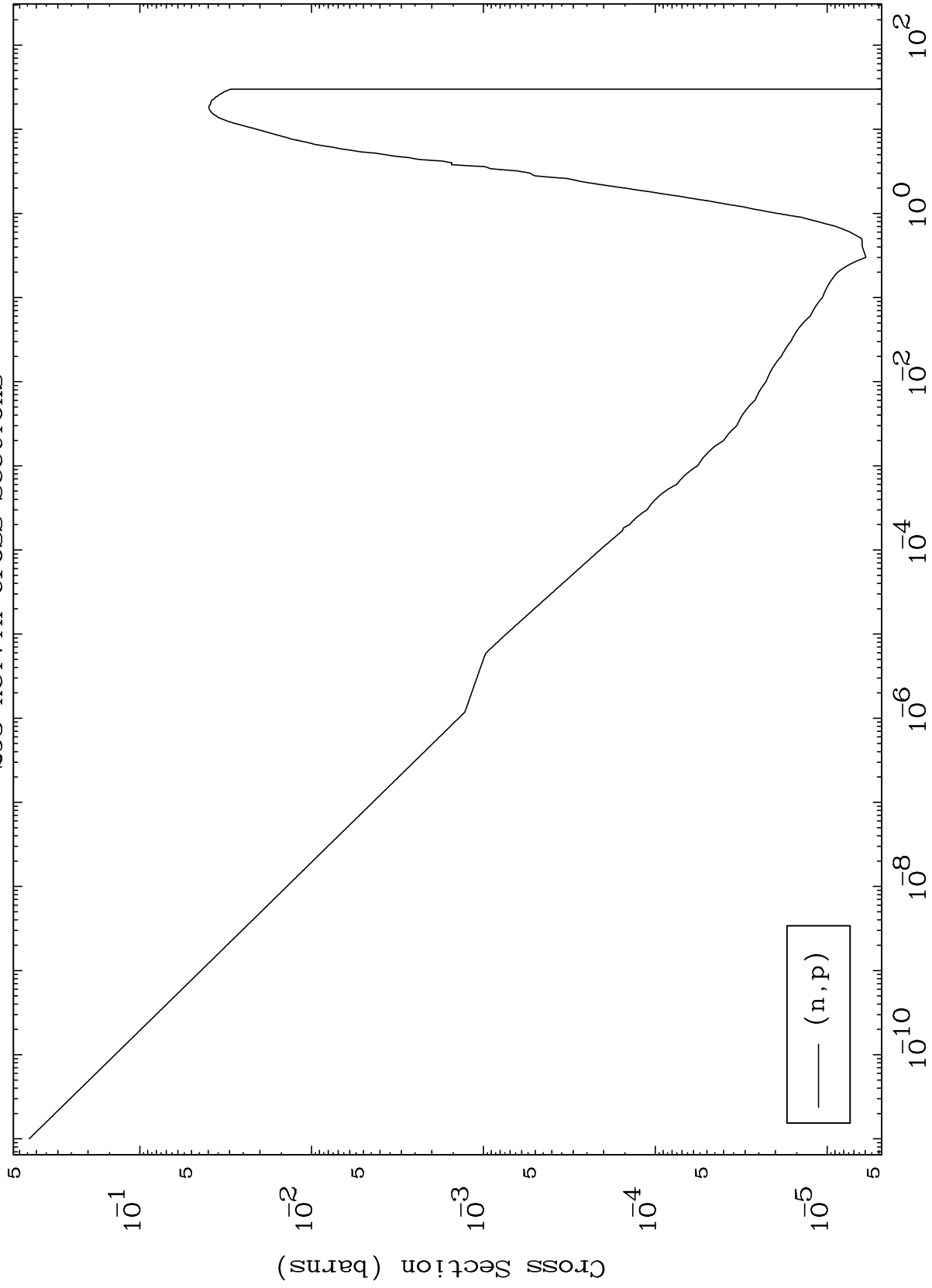
Incident Energy (MeV)

45-Rh-104

MAT 4528

(n,p) Levels
293 Kelvin Cross Sections

45-Rh-104



10

Incident Energy (MeV)

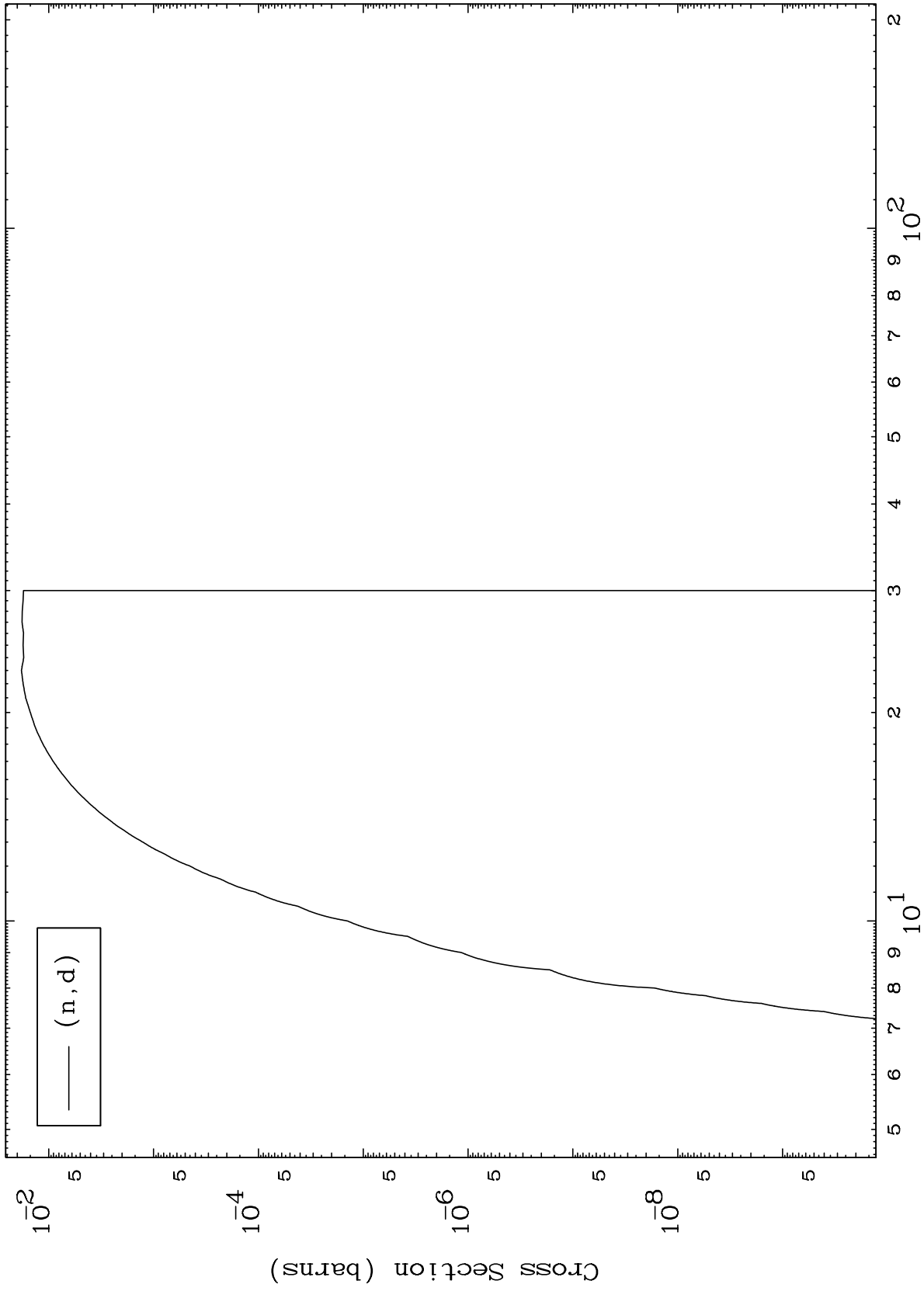
45-Rh-104

— (n,p)

MAT 4528

(n,d) Levels
293 Kelvin Cross Sections

45-Rh-104



11

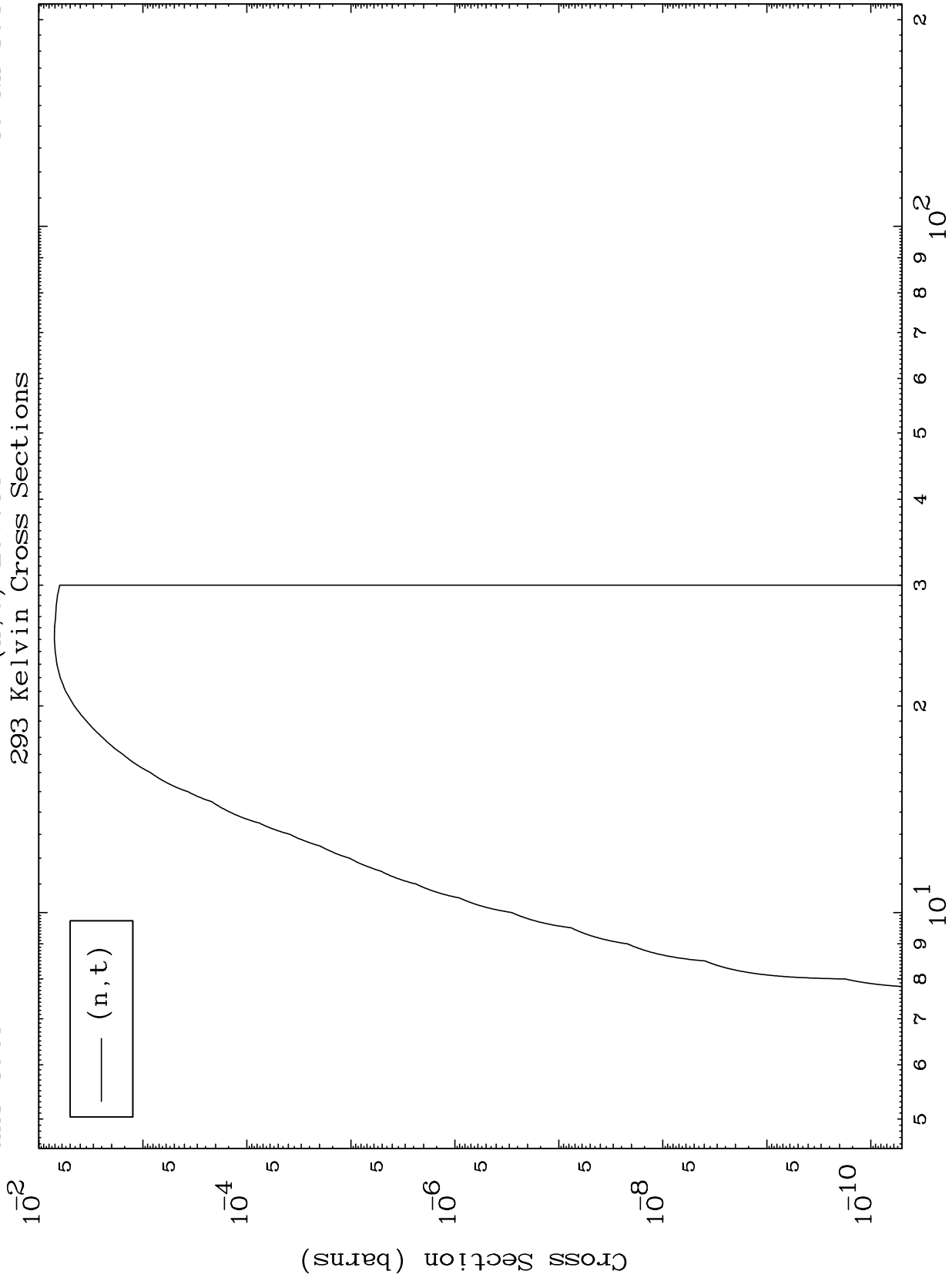
Incident Energy (MeV)

45-Rh-104

MAT 4528

(n,t) Levels
293 Kelvin Cross Sections

45-Rh-104



12

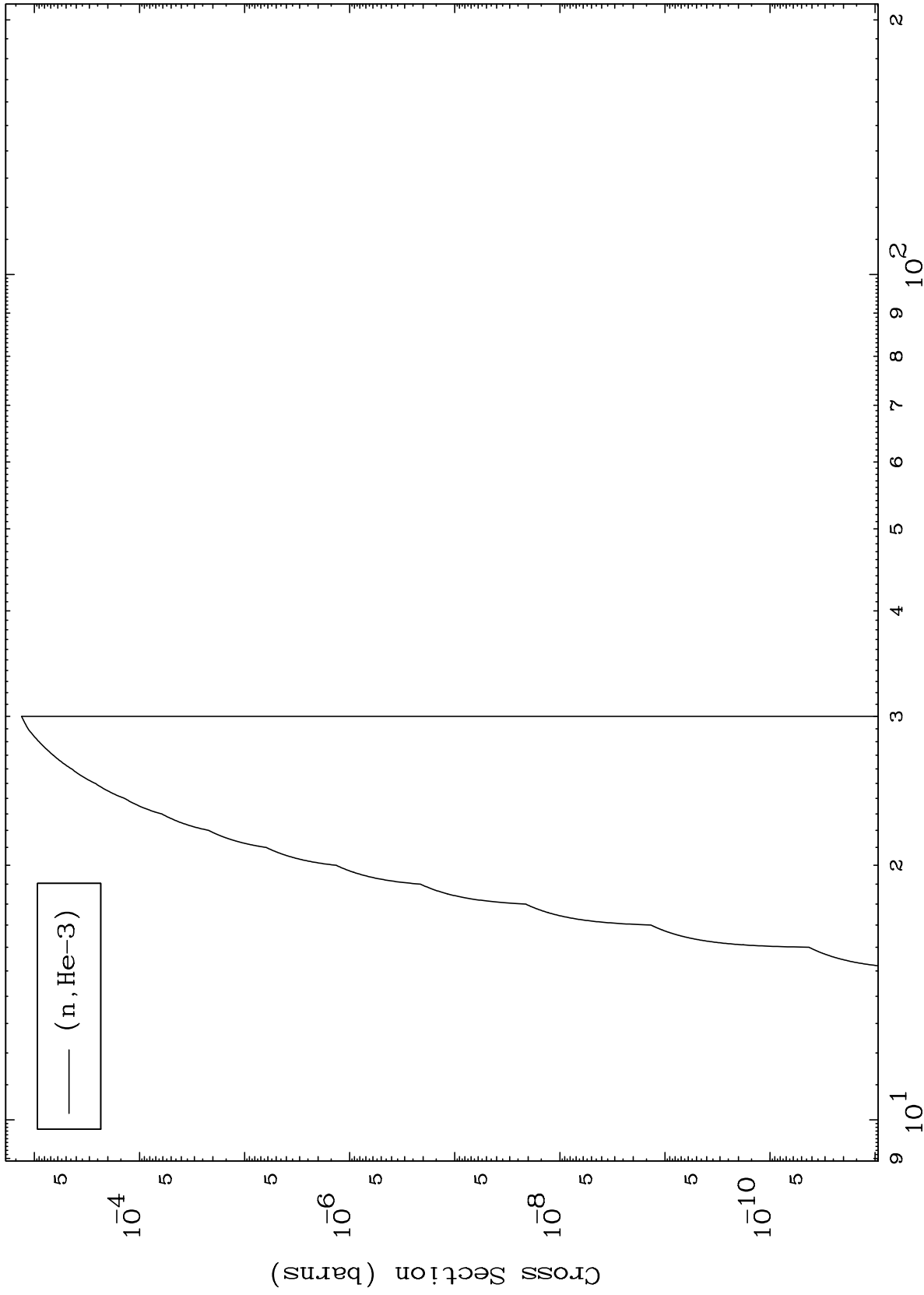
Incident Energy (MeV)

45-Rh-104

MAT 4528

(n,He3) Levels
293 Kelvin Cross Sections

45-Rh-104



13

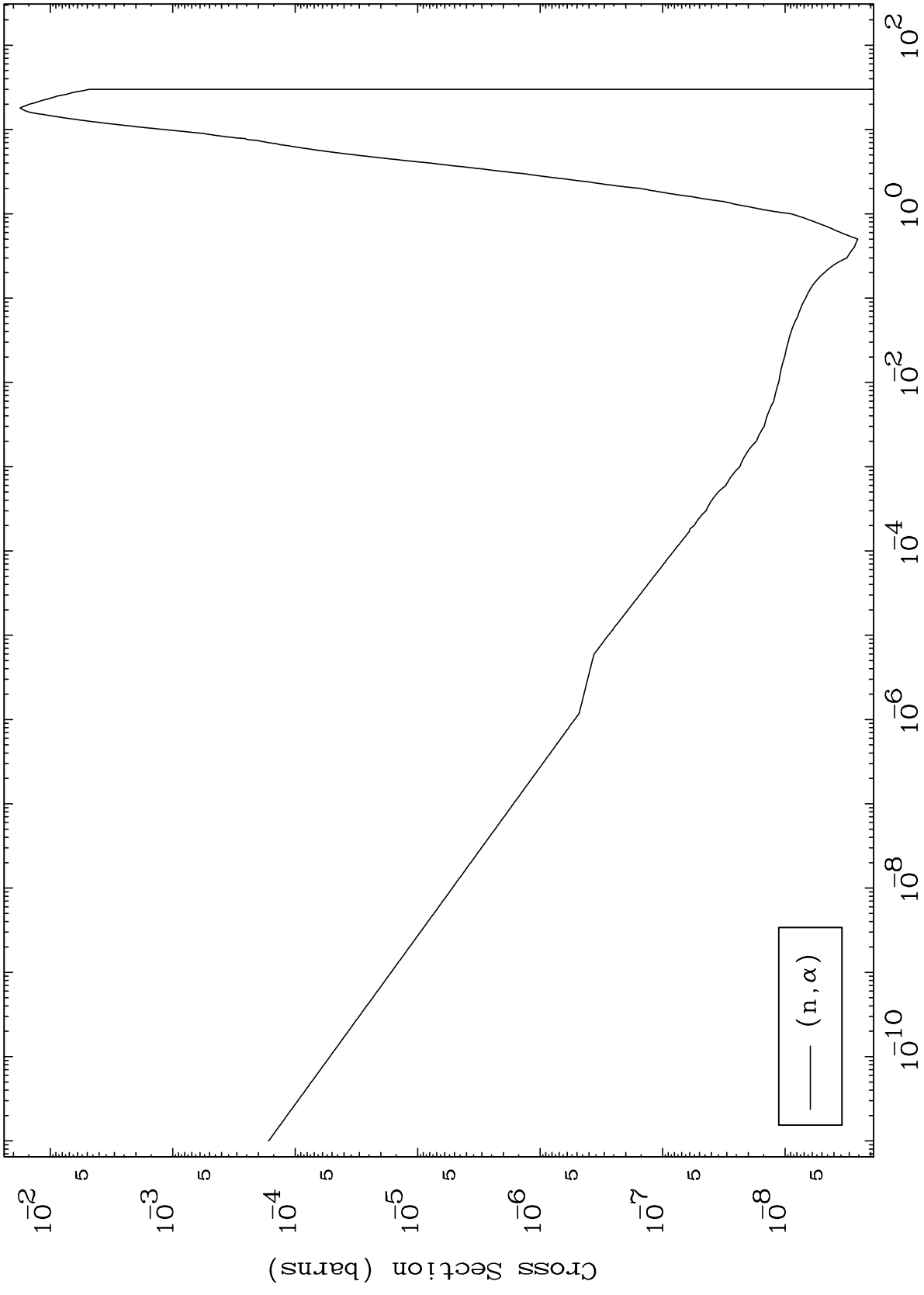
Incident Energy (MeV)

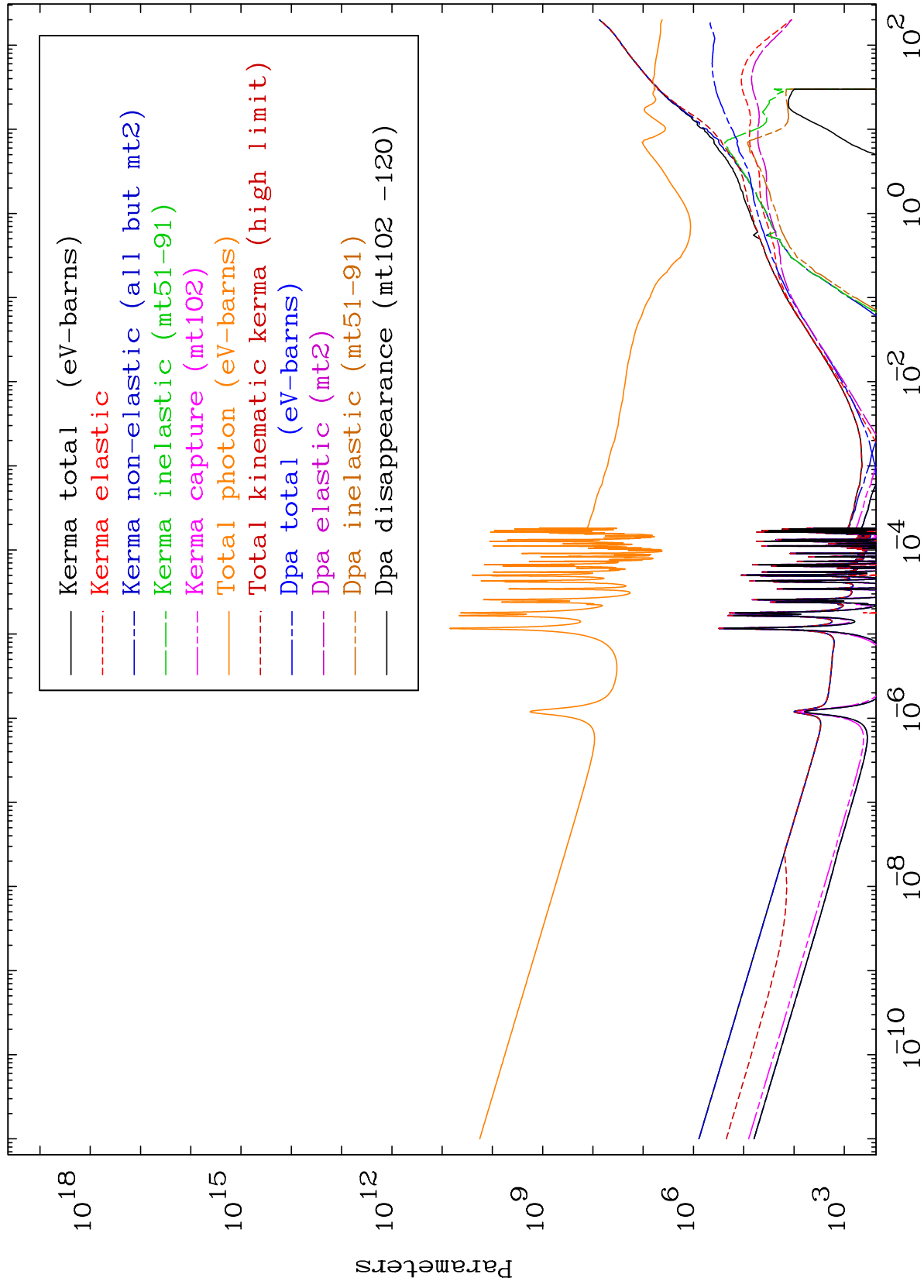
45-Rh-104

MAT 4528

(n,α) Levels
293 Kelvin Cross Sections

45-Rh-104

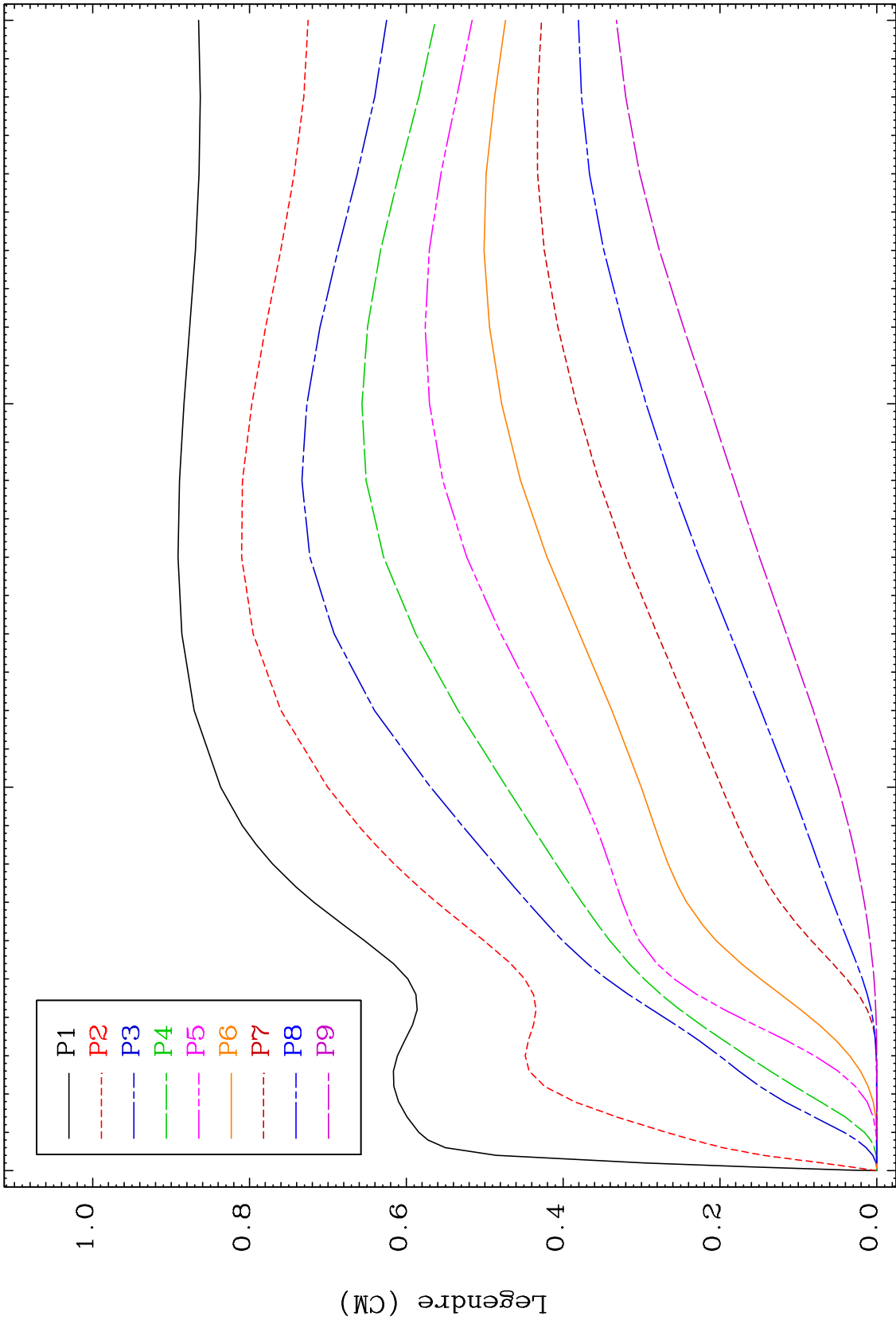




MAT 4528

Elastic Legendre Coefficients

45-Rh-104



16

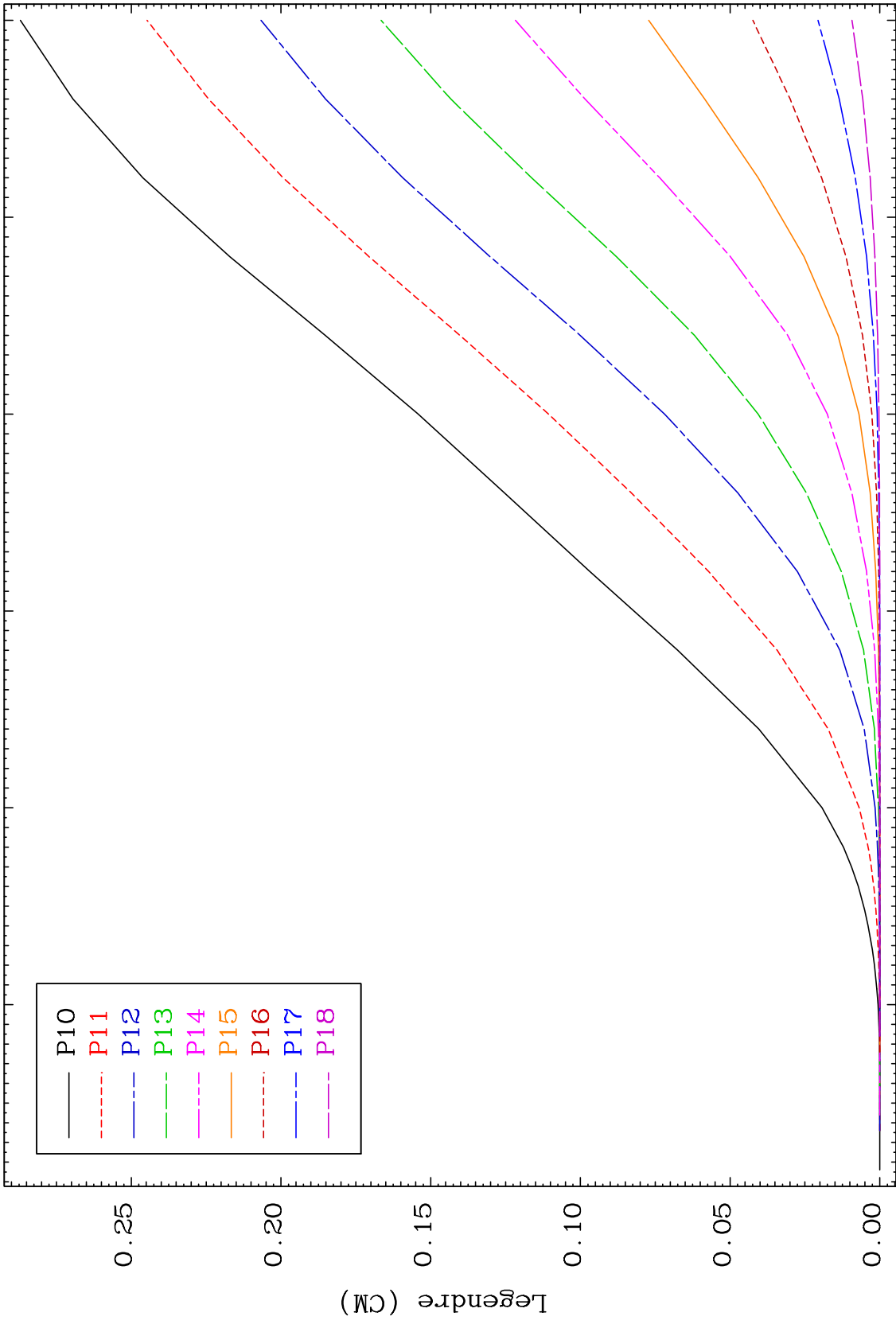
Incident Energy (MeV)

45-Rh-104

MAT 4528

Elastic Legendre Coefficients

45-Rh-104



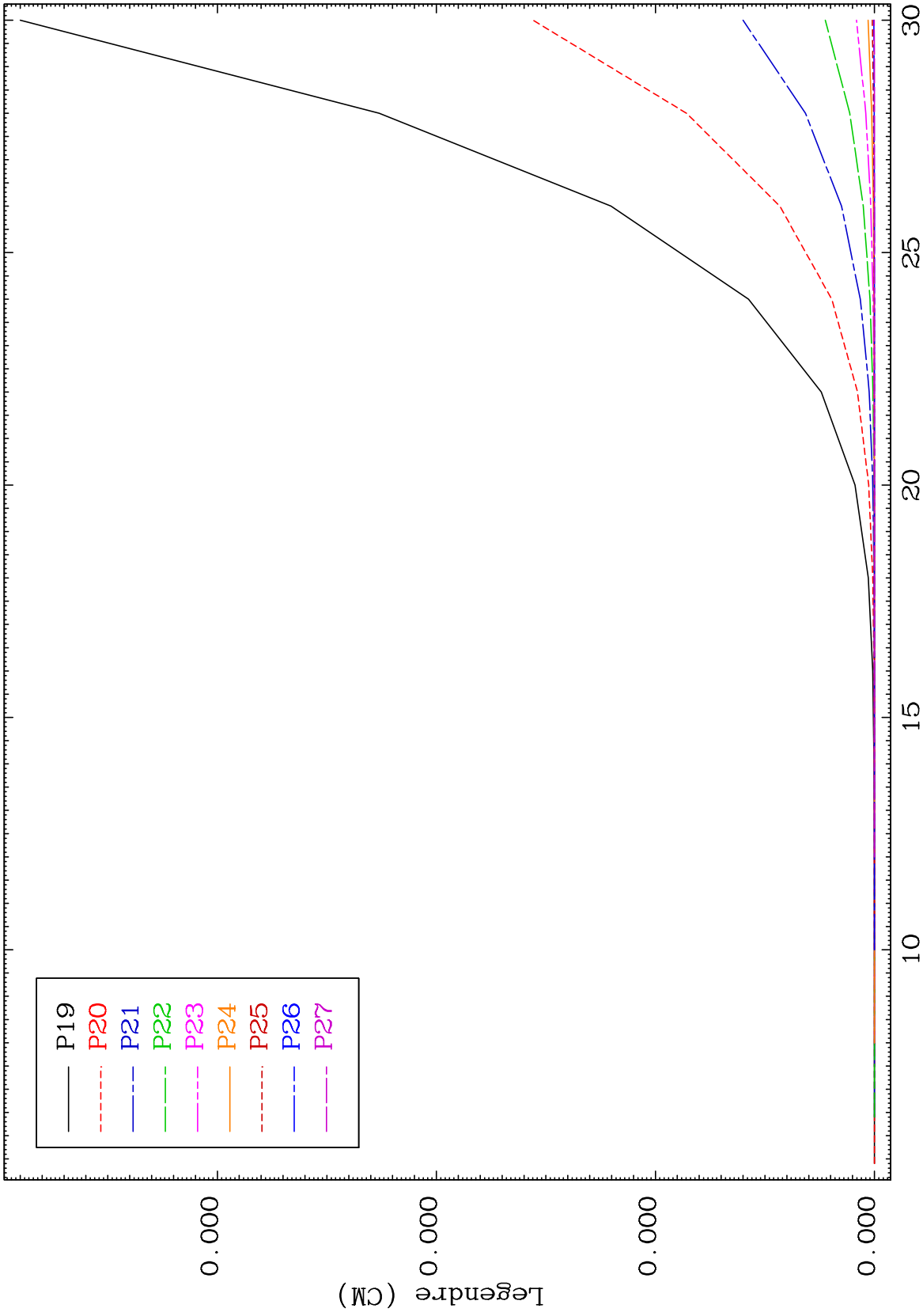
17

45-Rh-104

MAT 4528

Elastic Legendre Coefficients

45-Rh-104



18

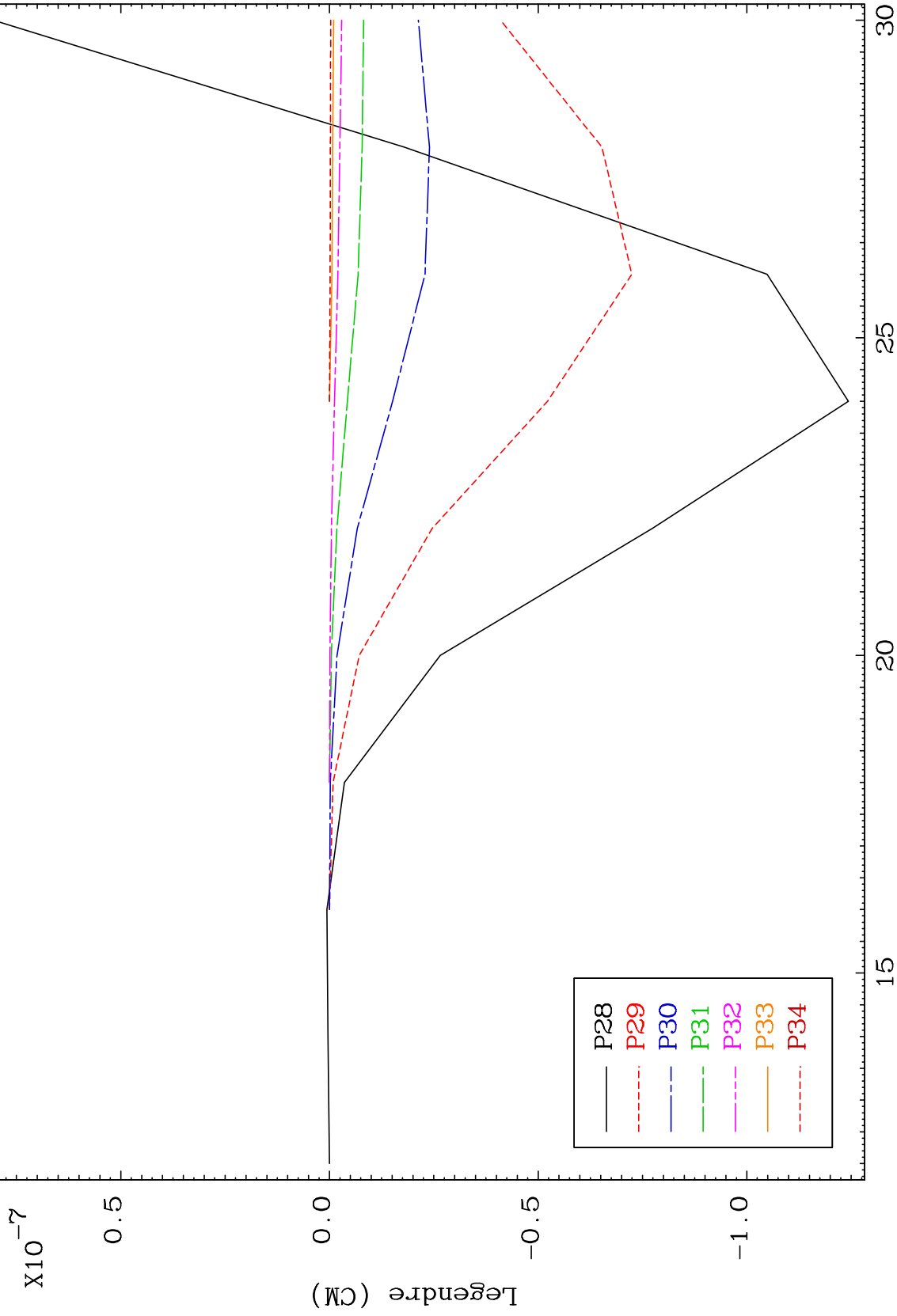
Incident Energy (MeV)

45-Rh-104

MAT 4528

Elastic Legendre Coefficients

45-Rh-104



19

Incident Energy (MeV)

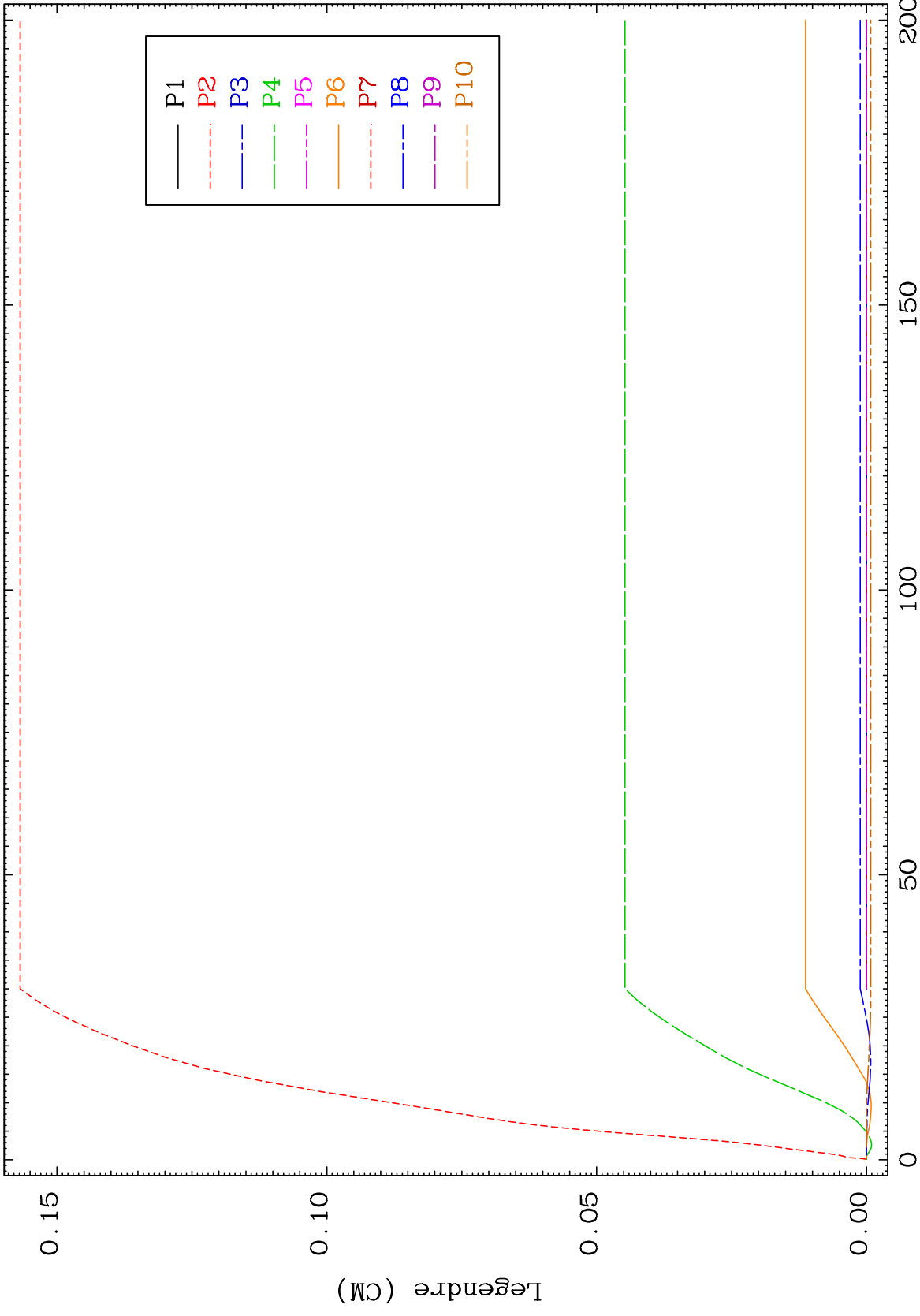
45-Rh-104

MAT 4528

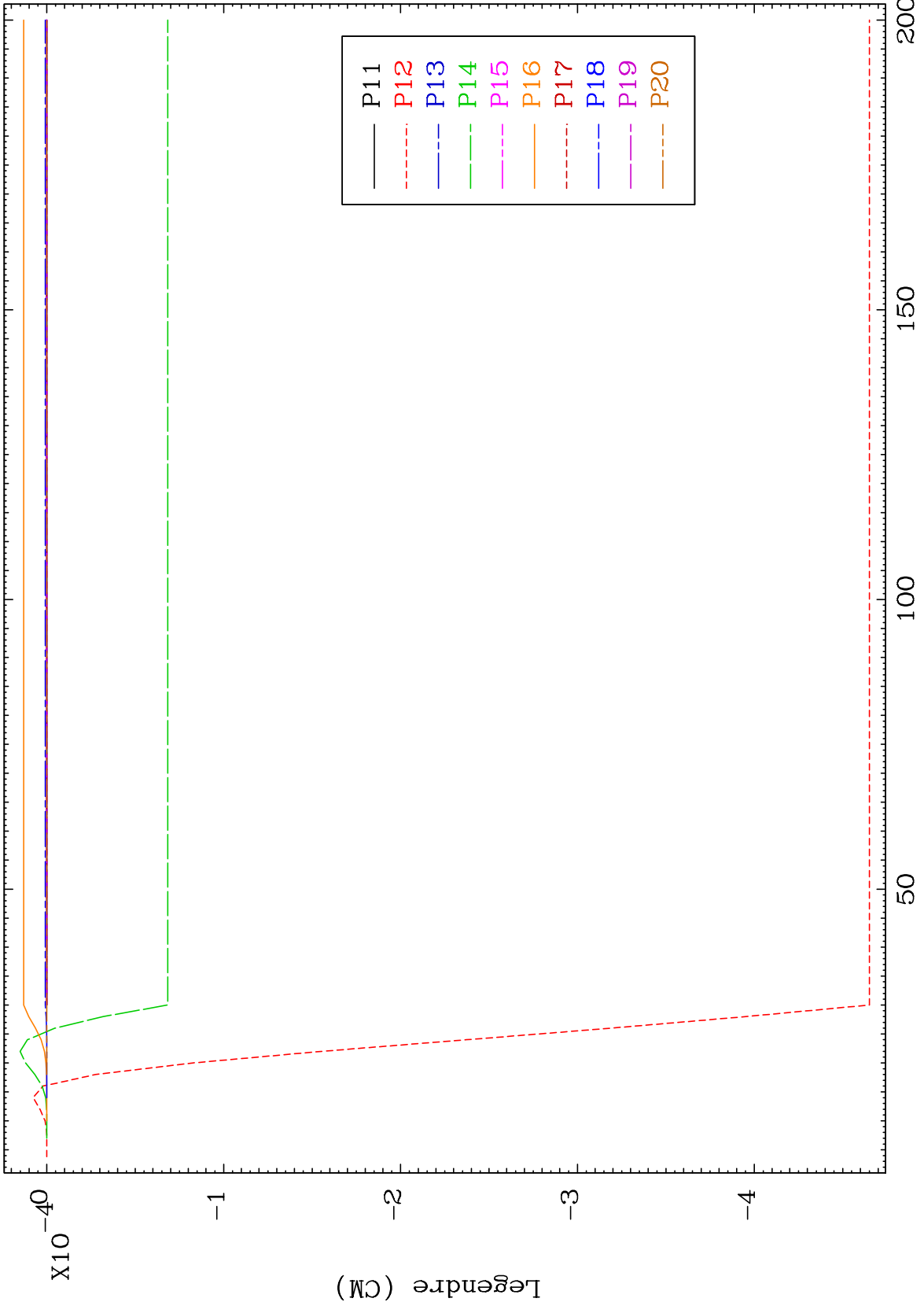
MT= 51 (n,n') Level Legendre Coefficients

45-Rh-104

45-Rh-104



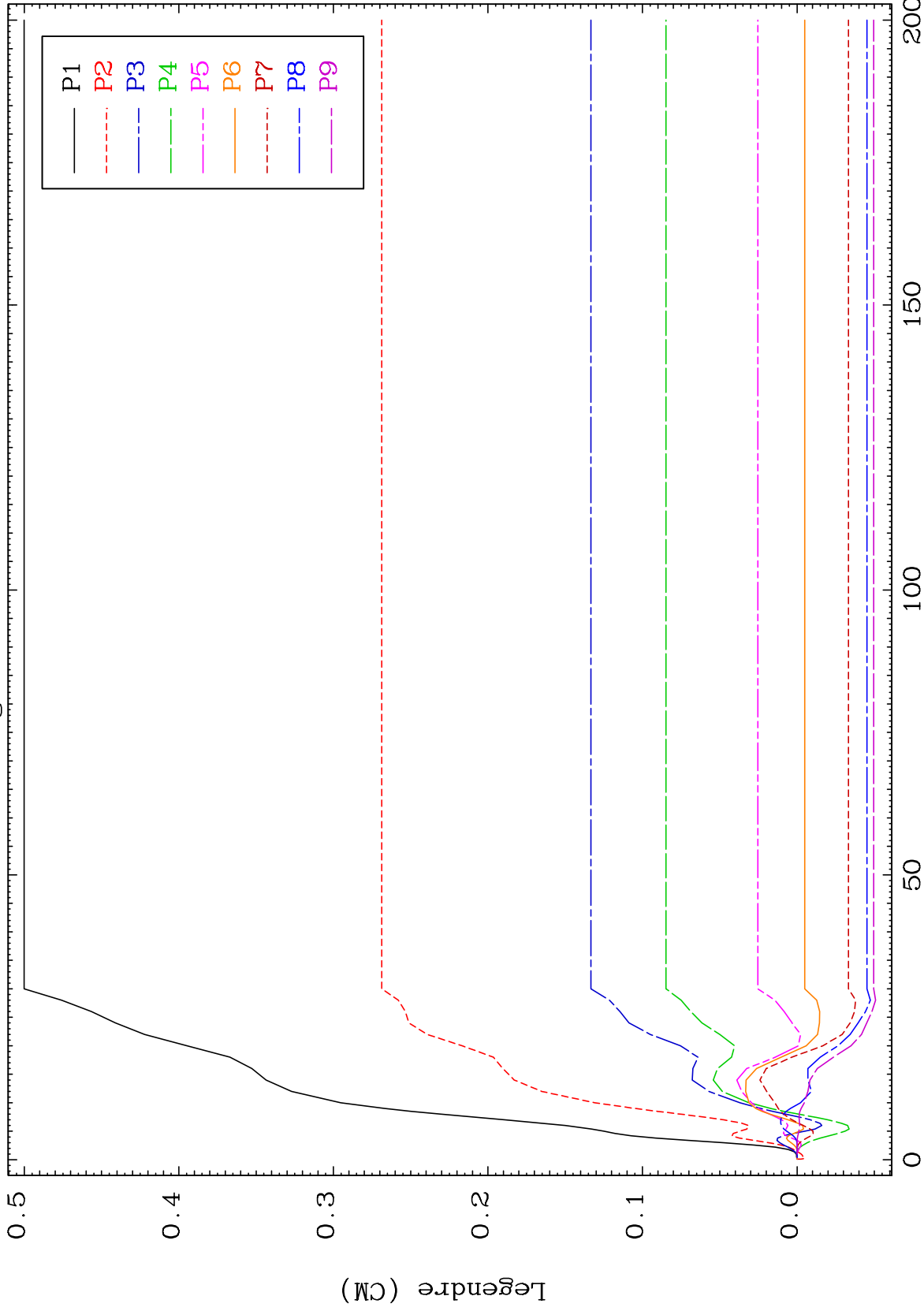
MAT 4528 MT= 51 (n,n') Level Legendre Coefficients 45-Rh-104



MAT 4528

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

45-Rh-104



22

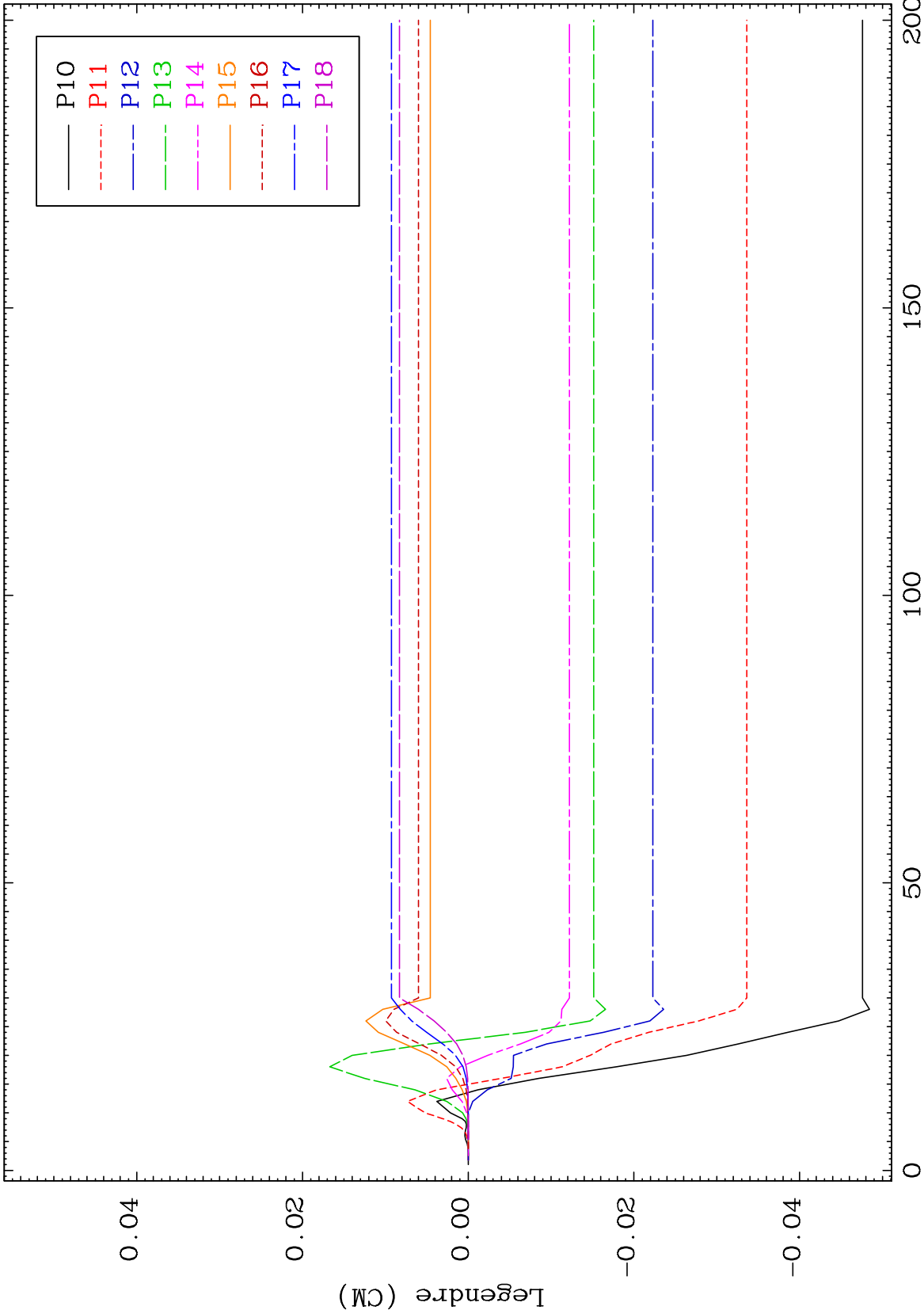
Incident Energy (MeV)

45-Rh-104

MAT 4528

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

45-Rh-104



23

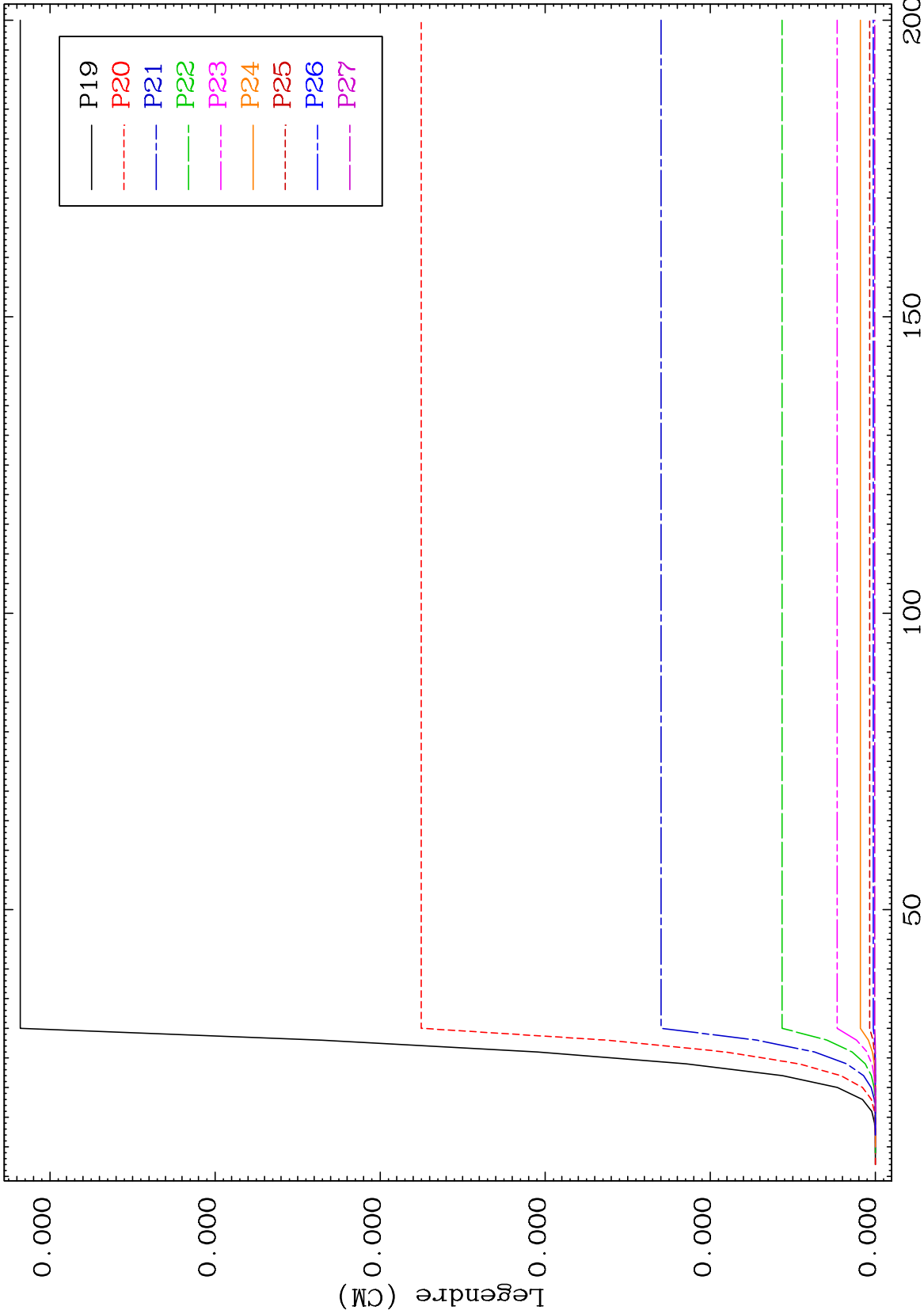
Incident Energy (MeV)

45-Rh-104

MAT 4528

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

45-Rh-104



24

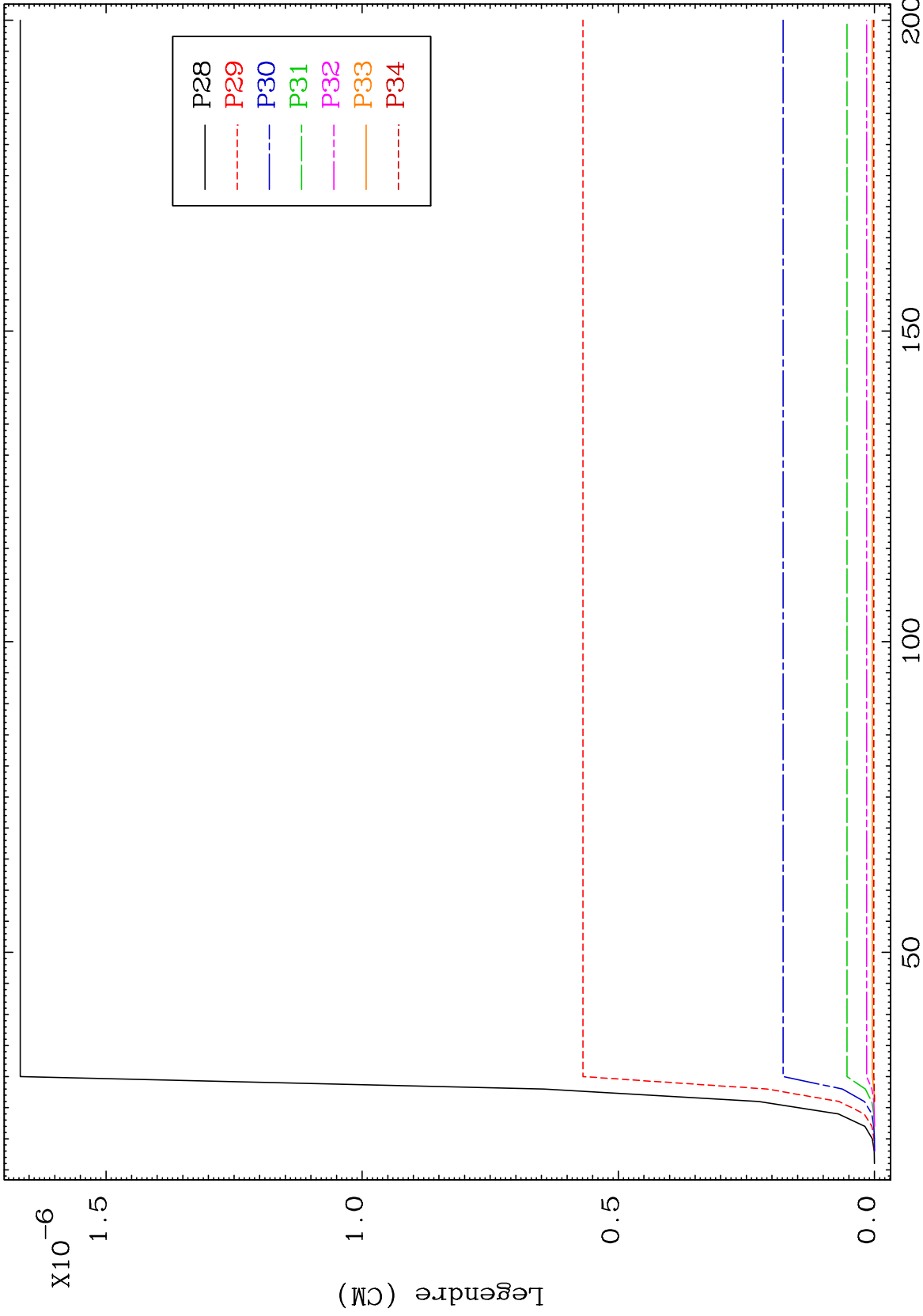
Incident Energy (MeV)

45-Rh-104

MAT 4528

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

45-Rh-104



25

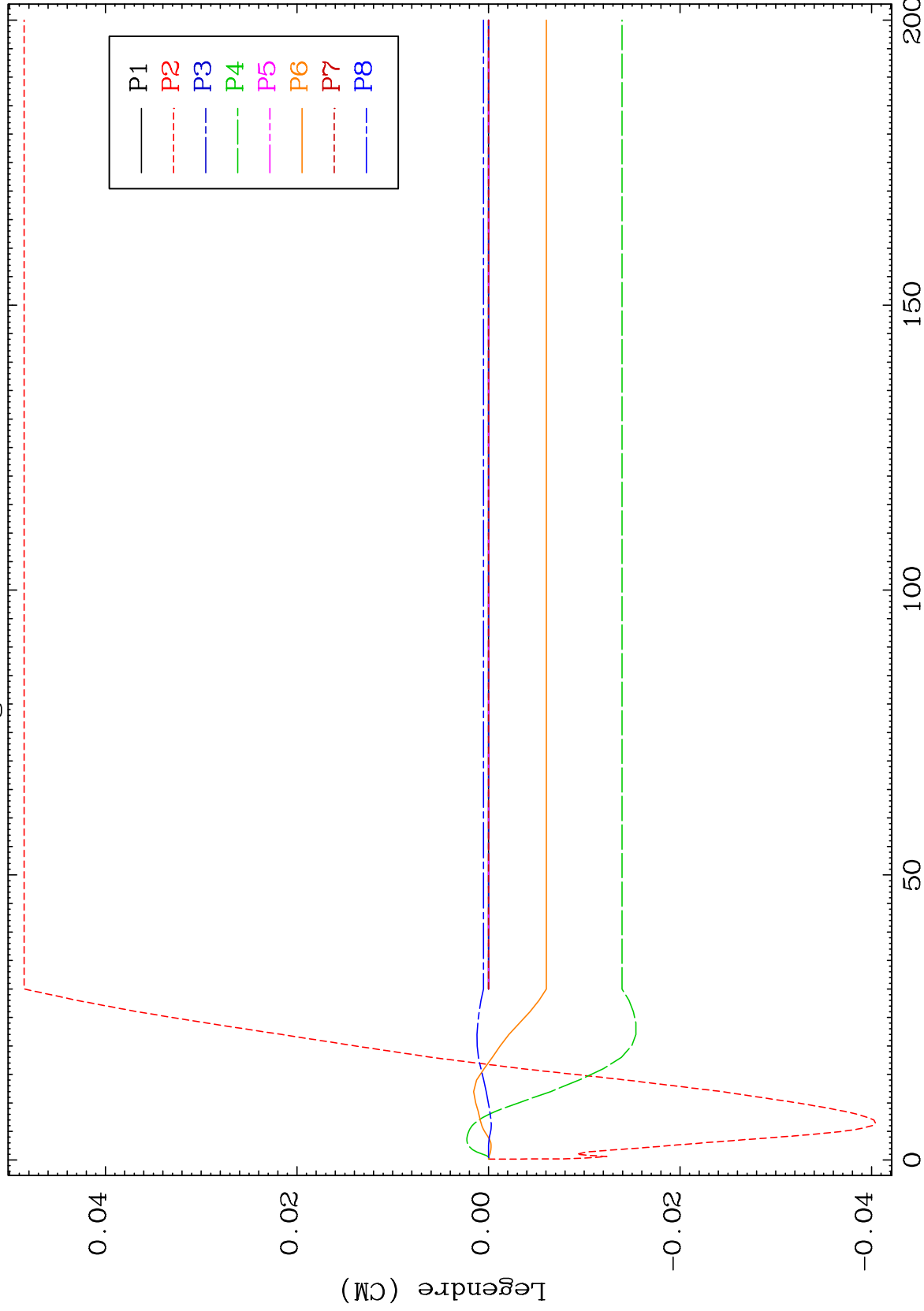
Incident Energy (MeV)

45-Rh-104

MAT 4528

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

45-Rh-104



26

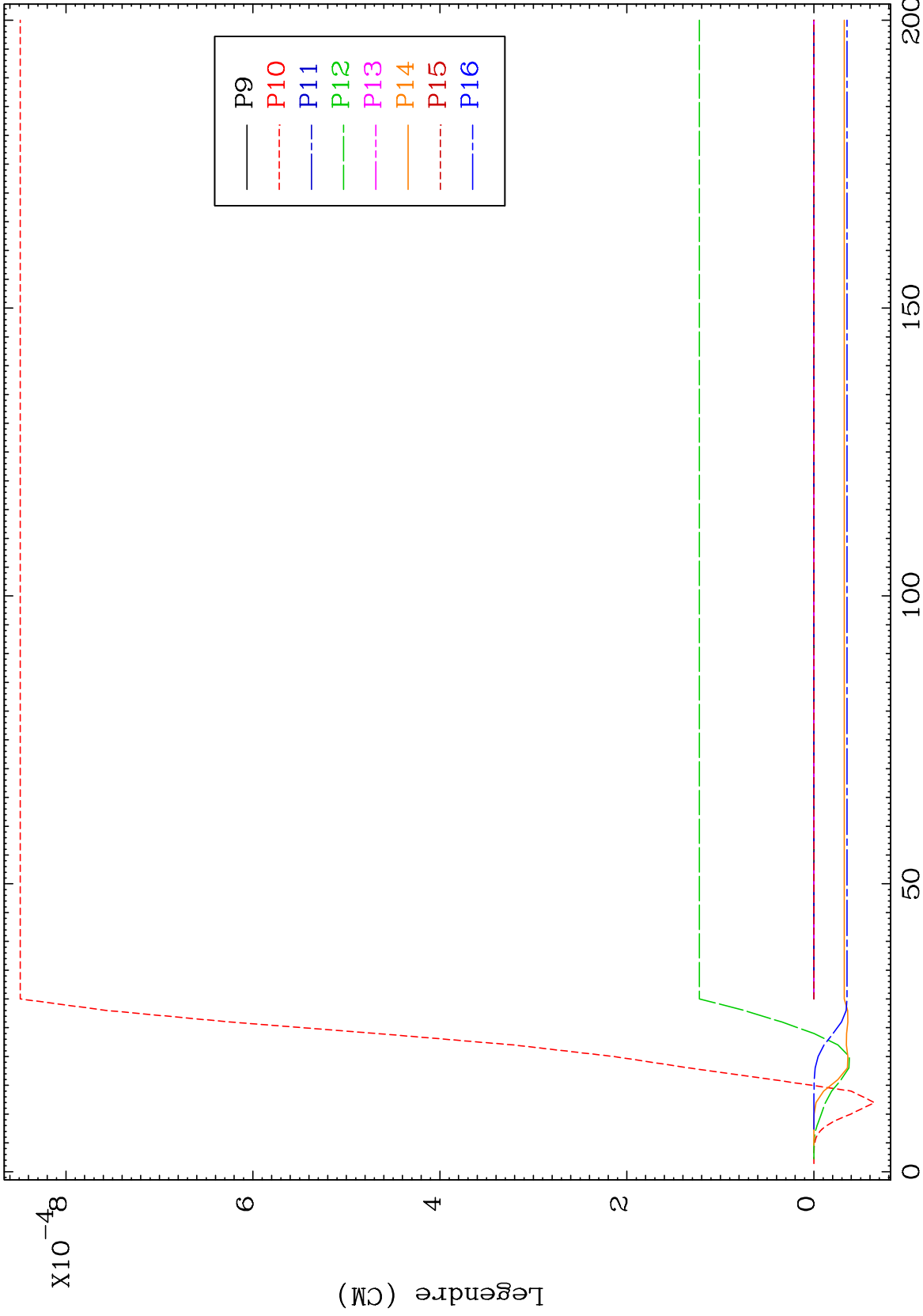
Incident Energy (MeV)

45-Rh-104

MAT 4528

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

45-Rh-104

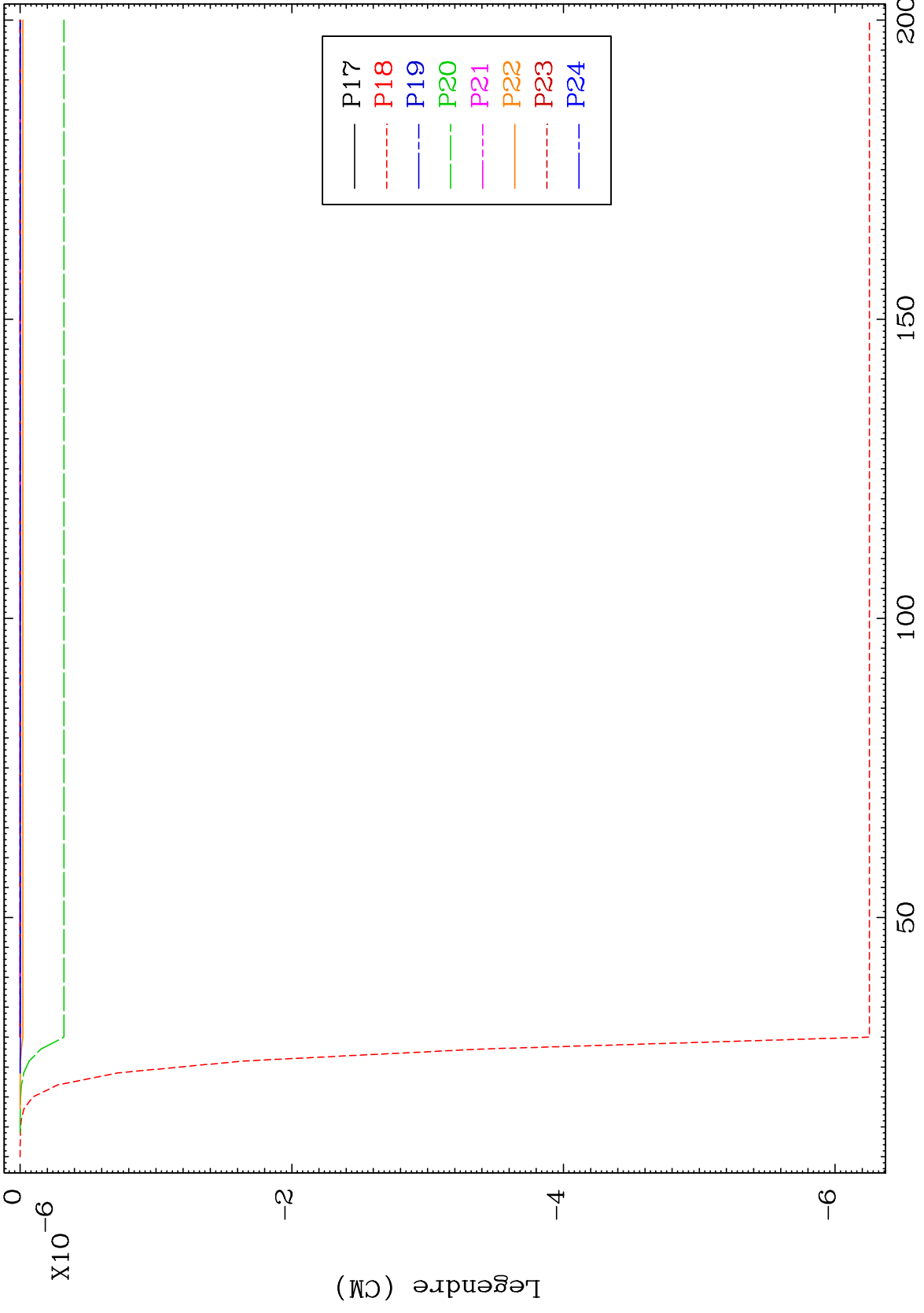


27

Incident Energy (MeV)

45-Rh-104

MAT 4528 MT= 53 (n,n') Level Legendre Coefficients 45-Rh-104

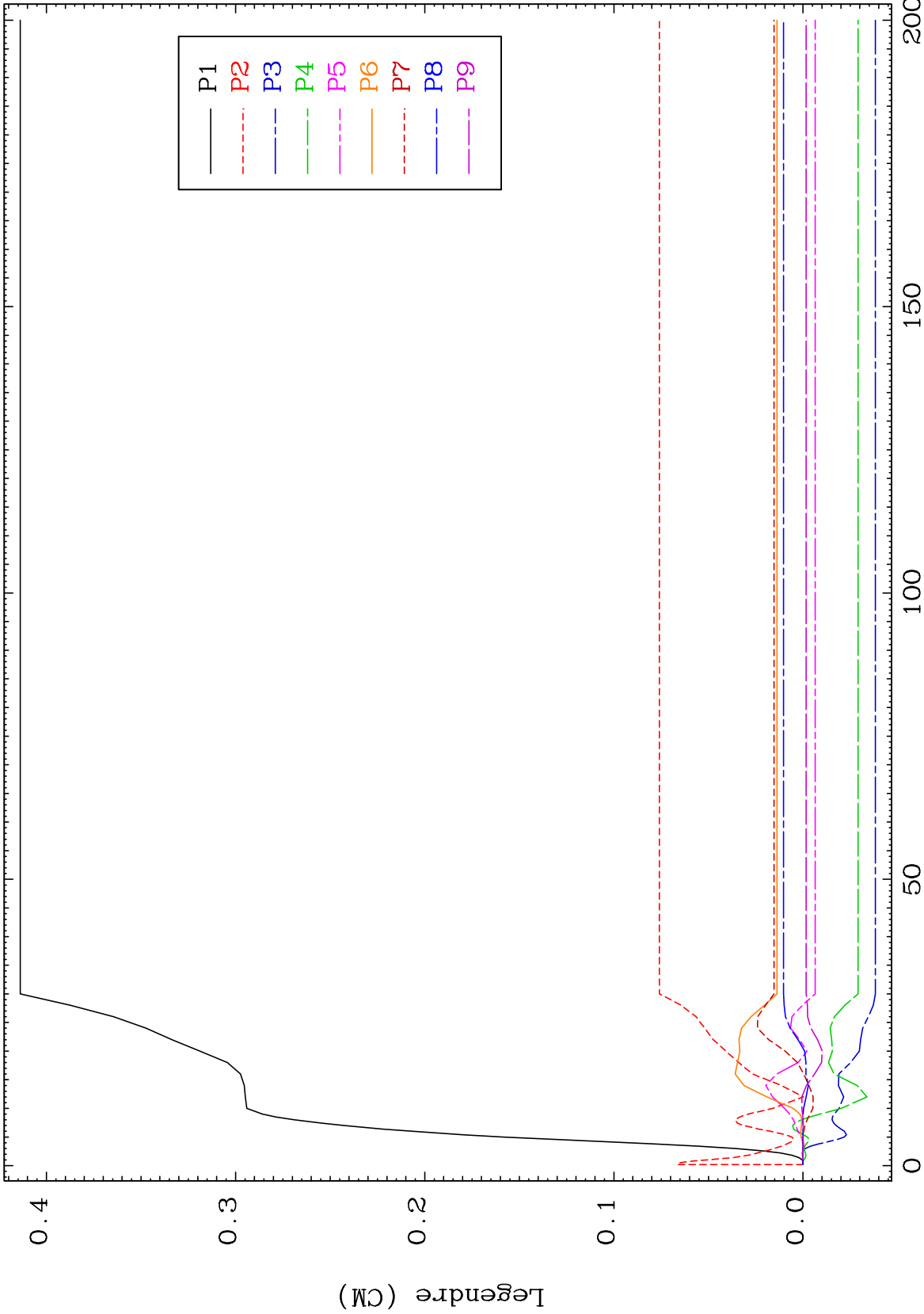


28 Incident Energy (MeV) 45-Rh-104

MAT 4528

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

45-Rh-104



29

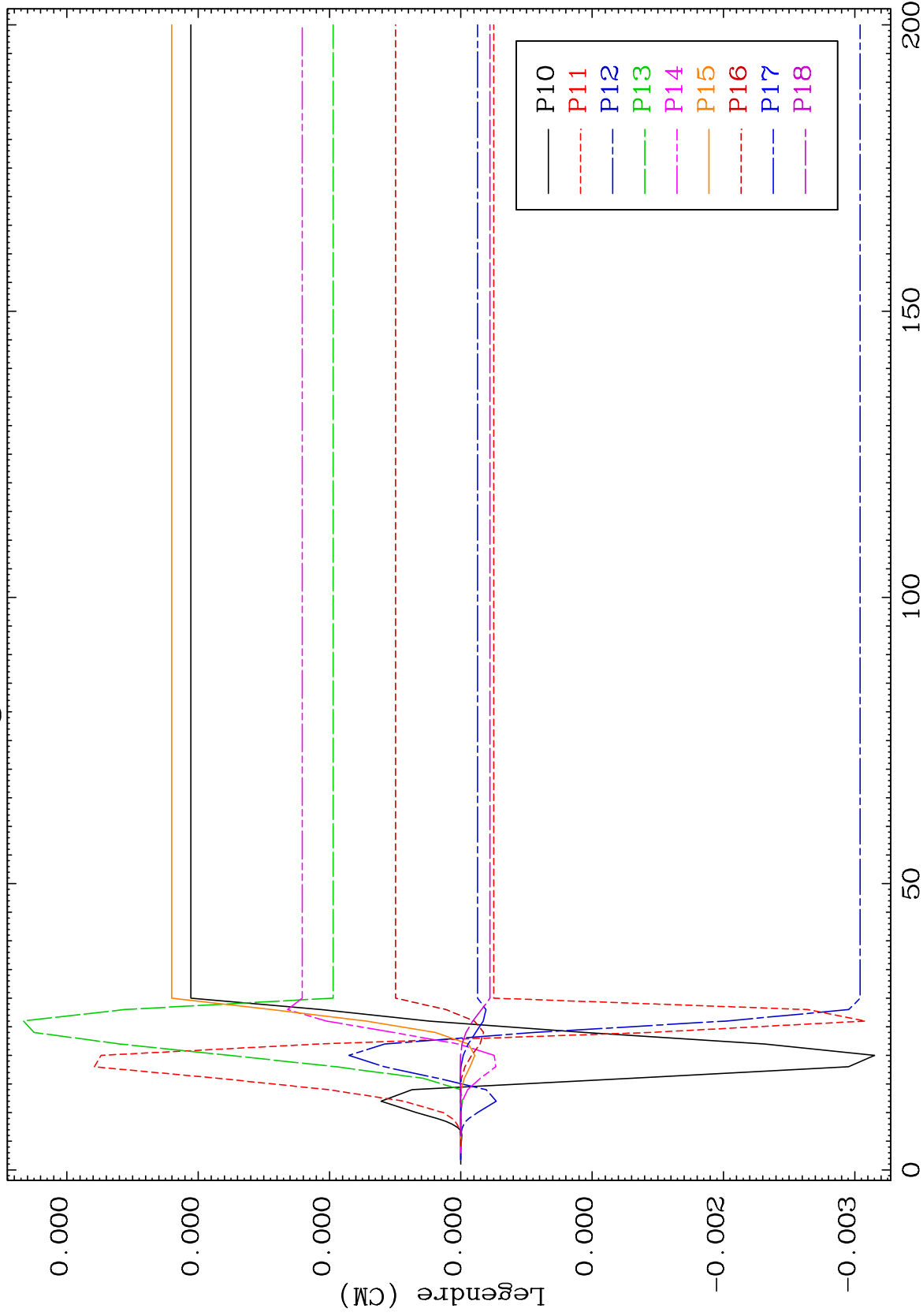
Incident Energy (MeV)

45-Rh-104

MAT 4528

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

45-Rh-104



30

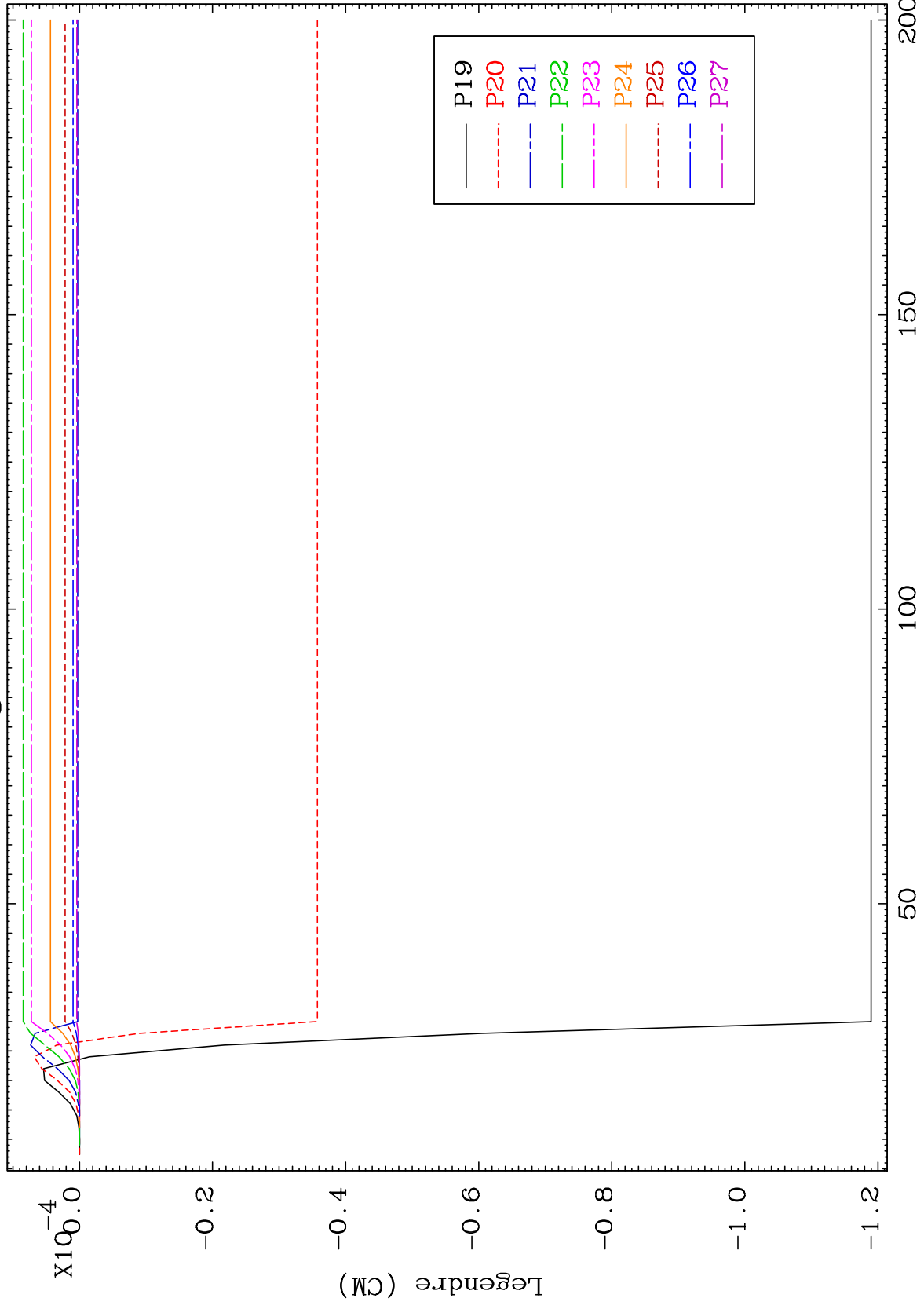
Incident Energy (MeV)

45-Rh-104

MAT 4528

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

45-Rh-104



45-Rh-104

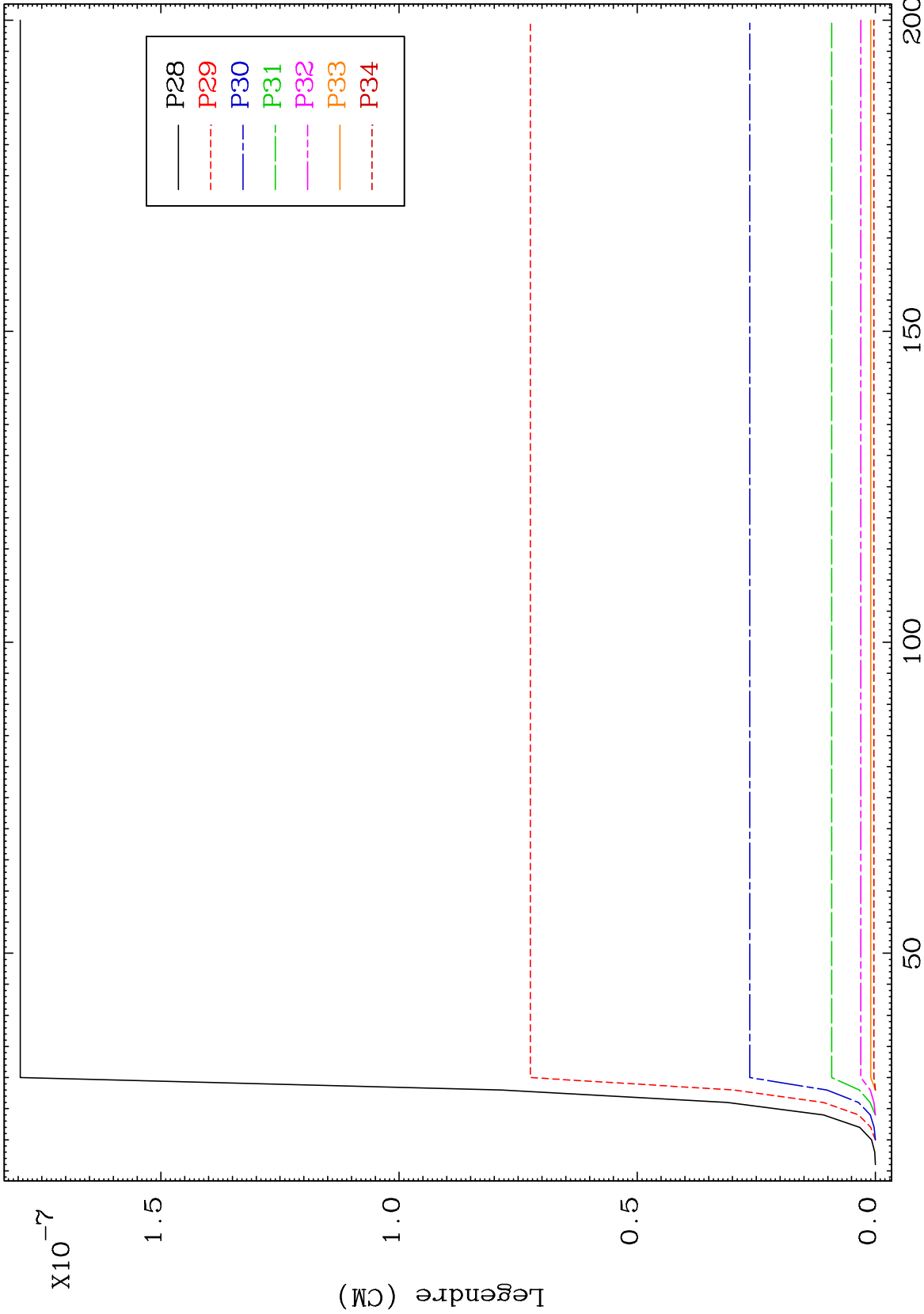
Incident Energy (MeV)

31

MAT 4528

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

45-Rh-104

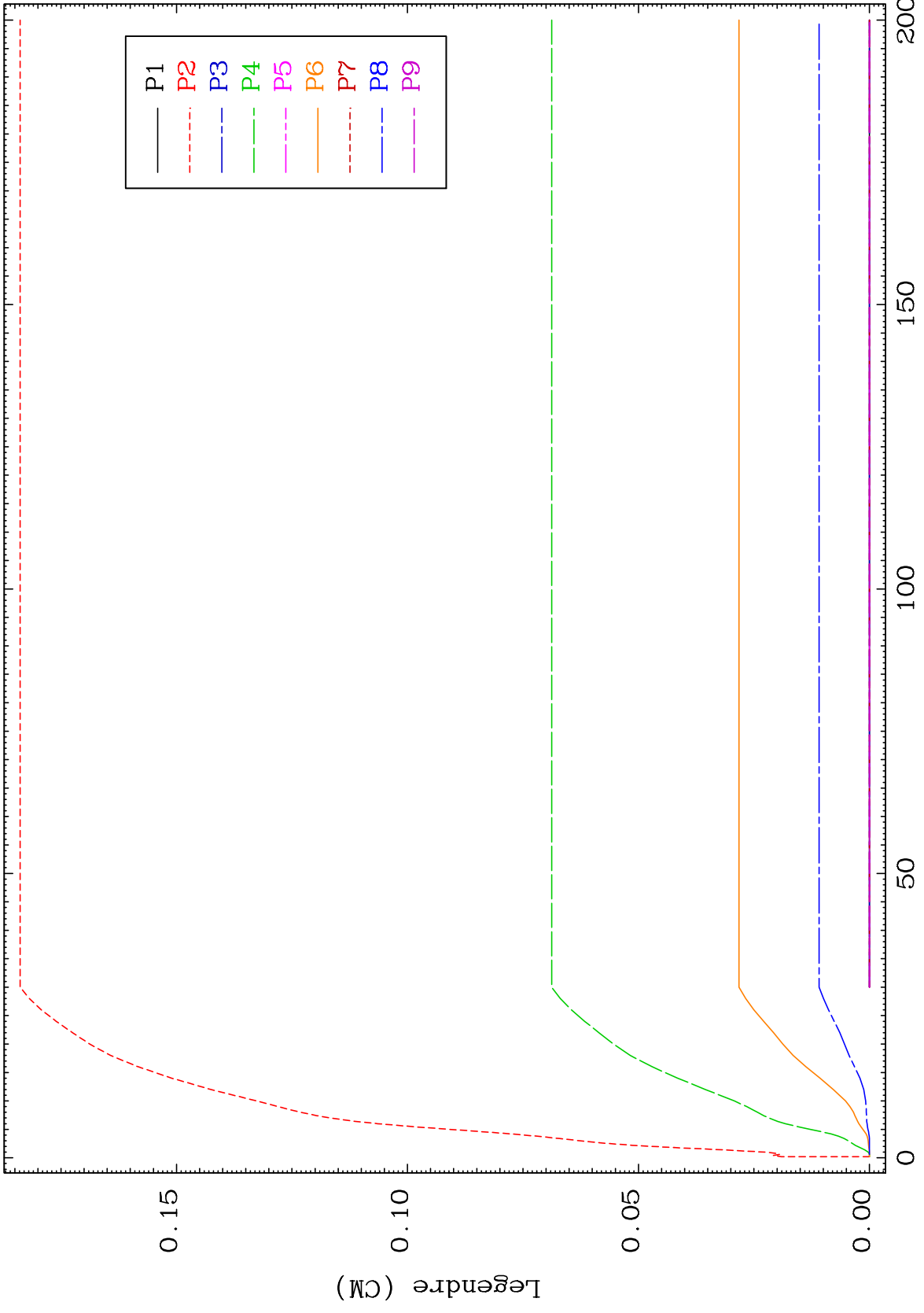


32

Incident Energy (MeV)

45-Rh-104

MAT 4528 MT= 55 (n,n') Level Legendre Coefficients 45-Rh-104

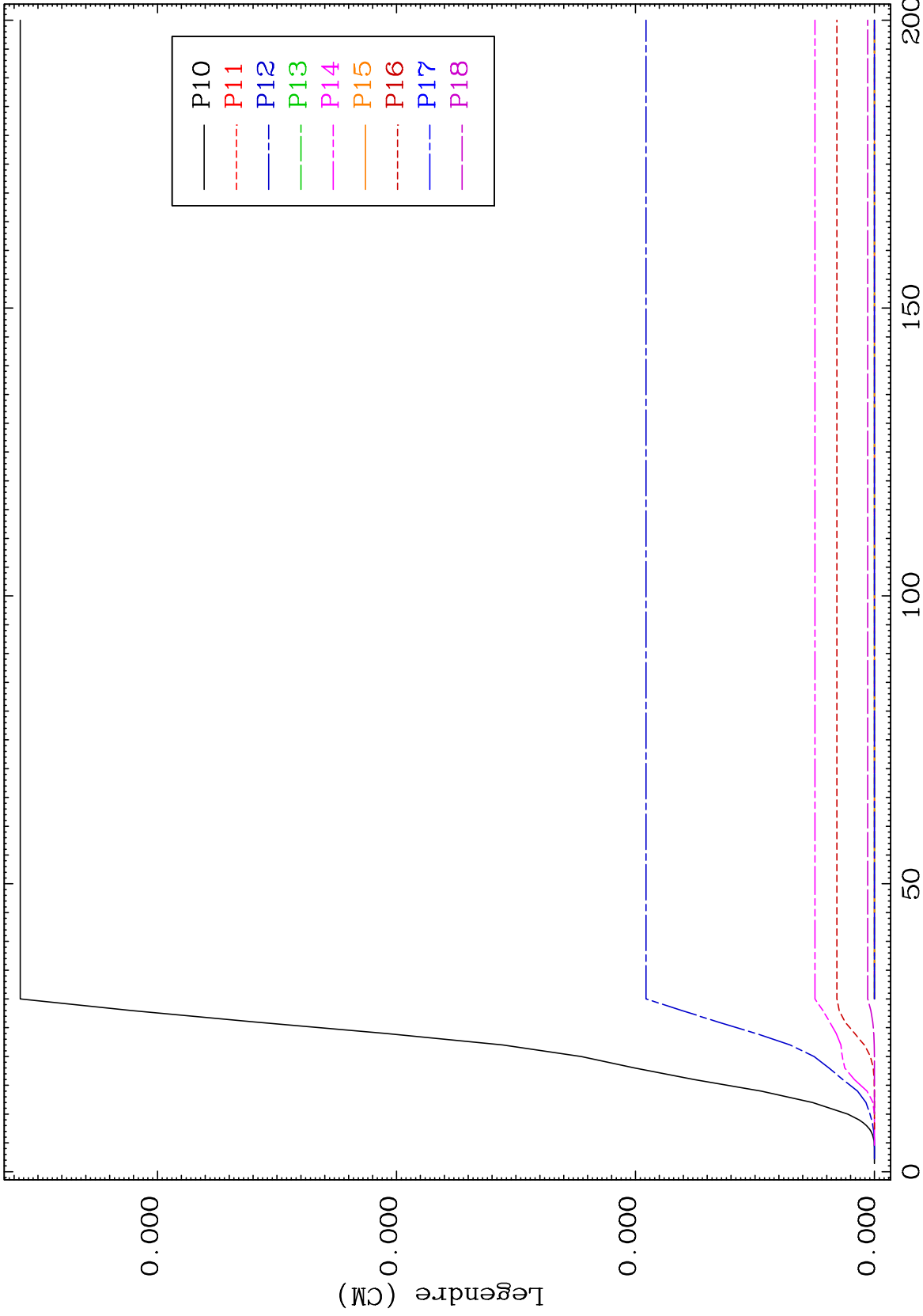


33 Incident Energy (MeV) 45-Rh-104

MAT 4528

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

45-Rh-104

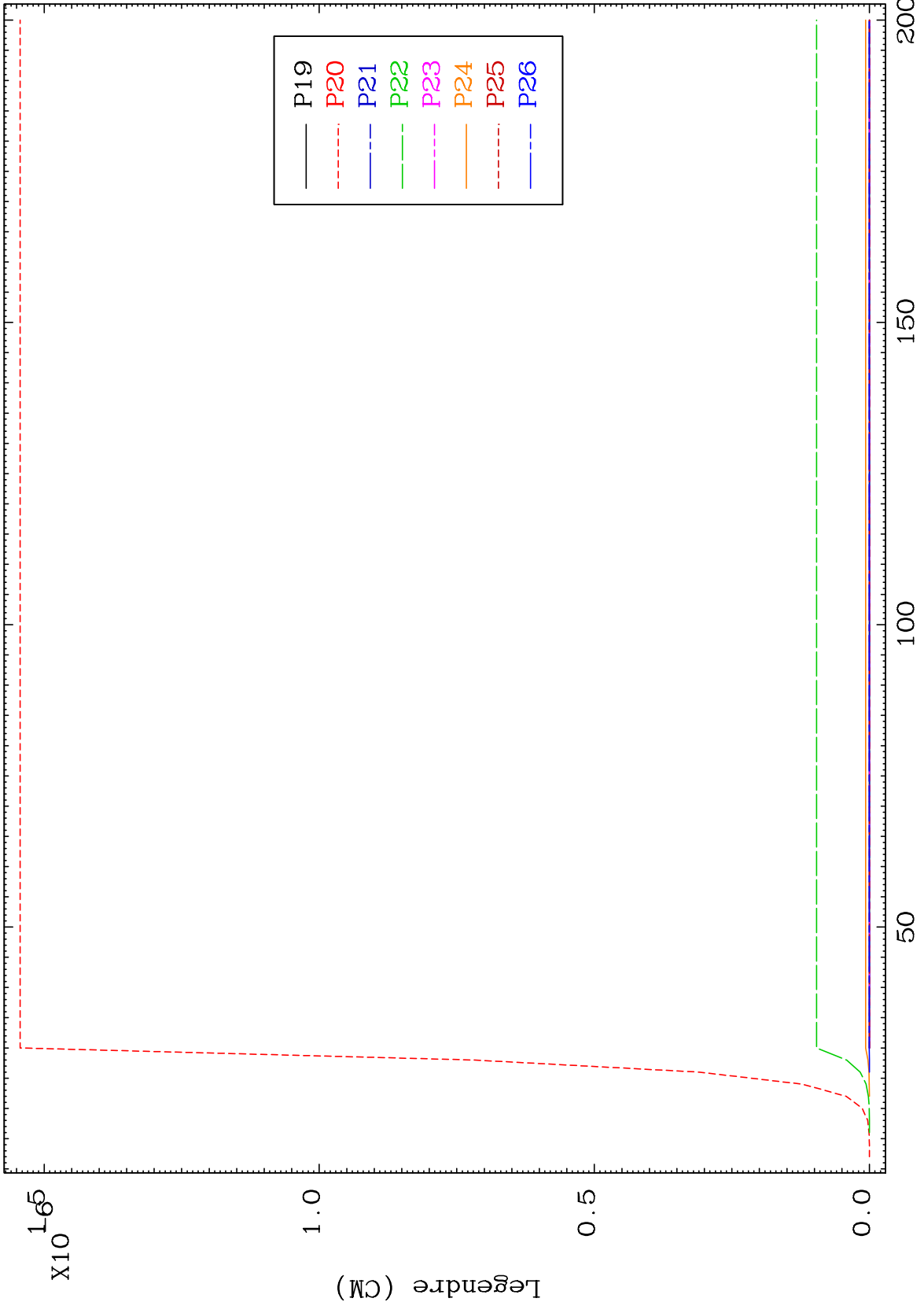


34

Incident Energy (MeV)

45-Rh-104

MAT 4528 MT= 55 (n,n') Level Legendre Coefficients 45-Rh-104

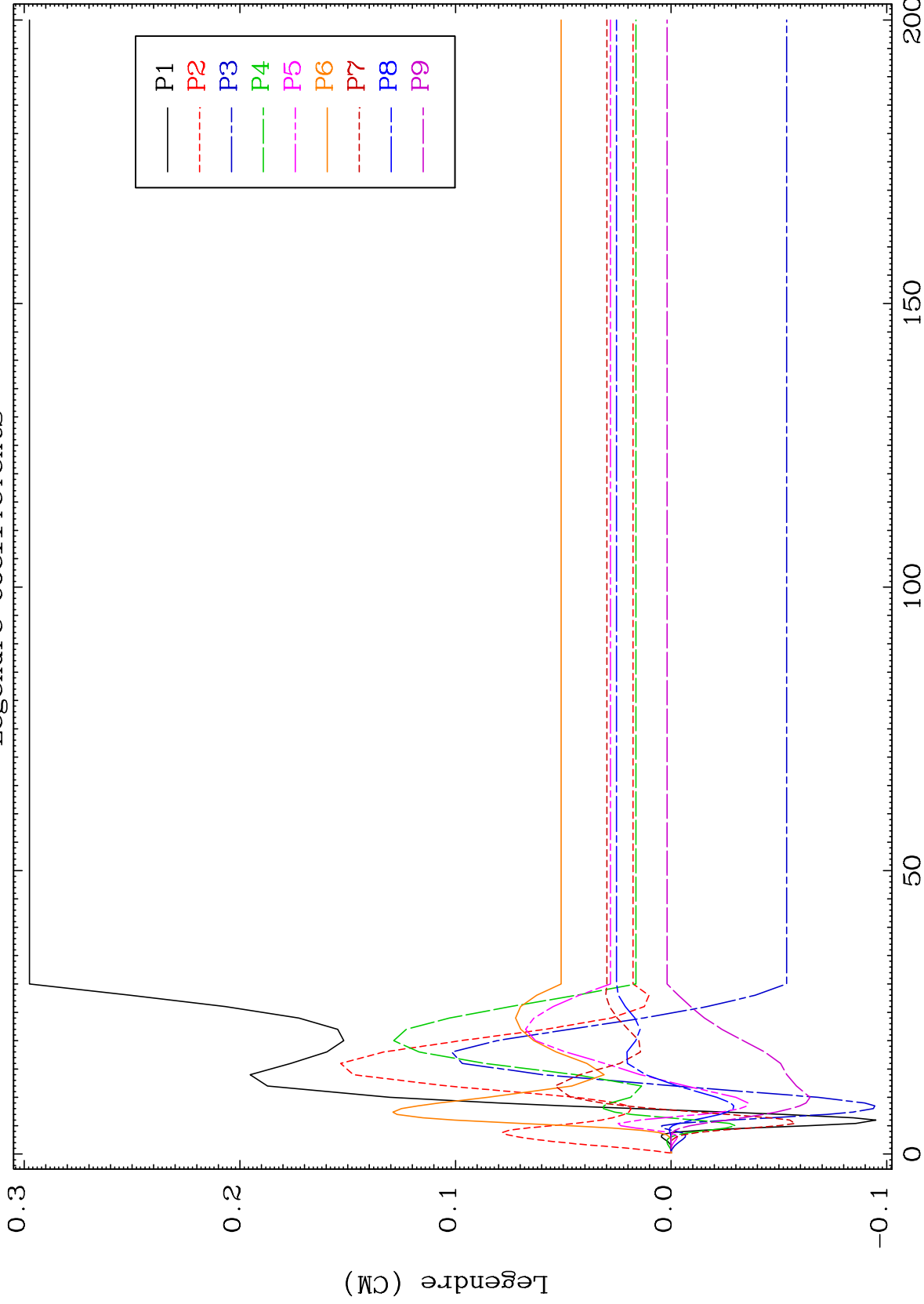


35 Incident Energy (MeV) 45-Rh-104

MAT 4528

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

45-Rh-104



36

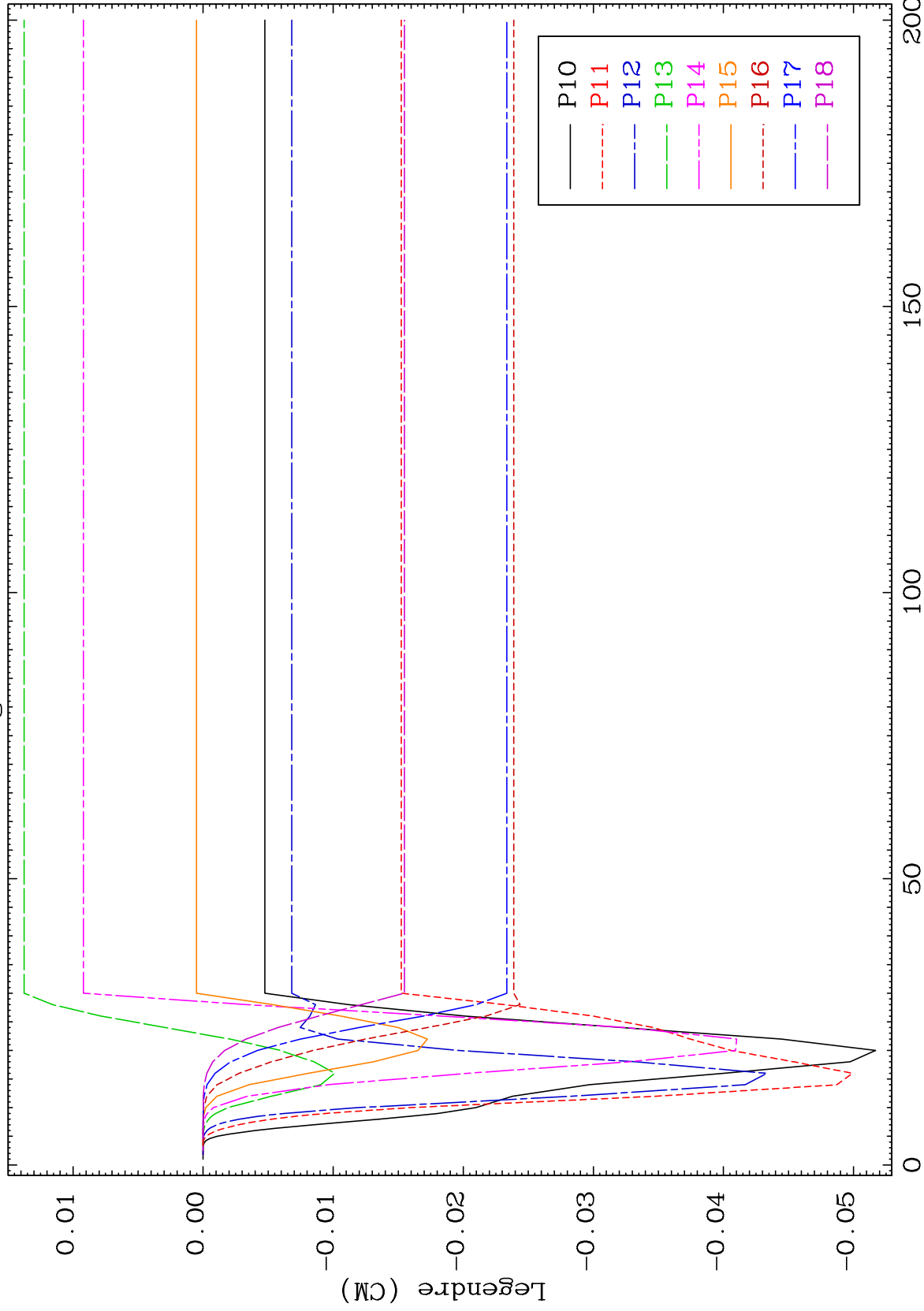
Incident Energy (MeV)

45-Rh-104

MAT 4528

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

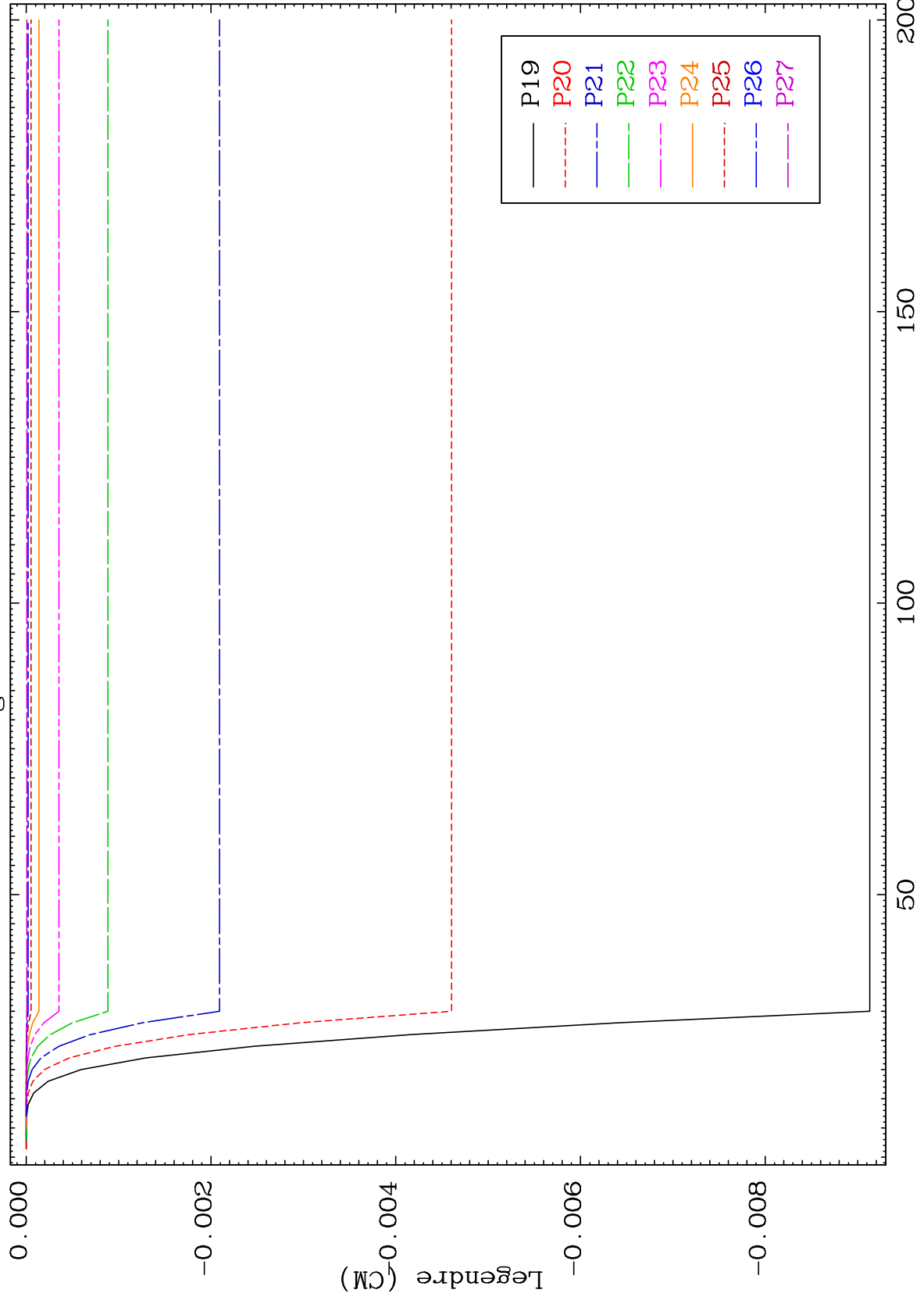
45-Rh-104



37

45-Rh-104

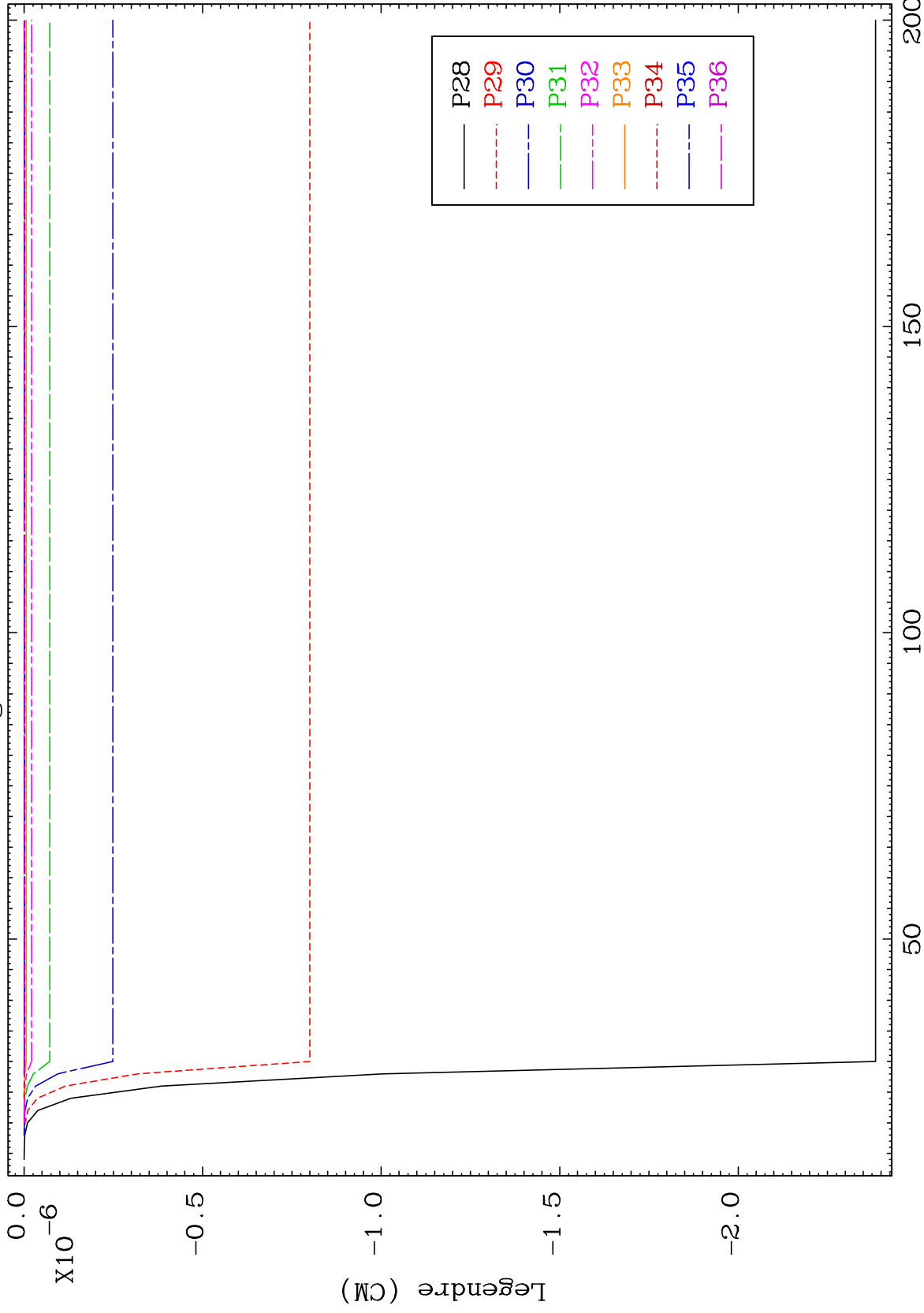
MAT 4528 MT= 56 (n,n') Level Legendre Coefficients 45-Rh-104



MAT 4528

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

45-Rh-104

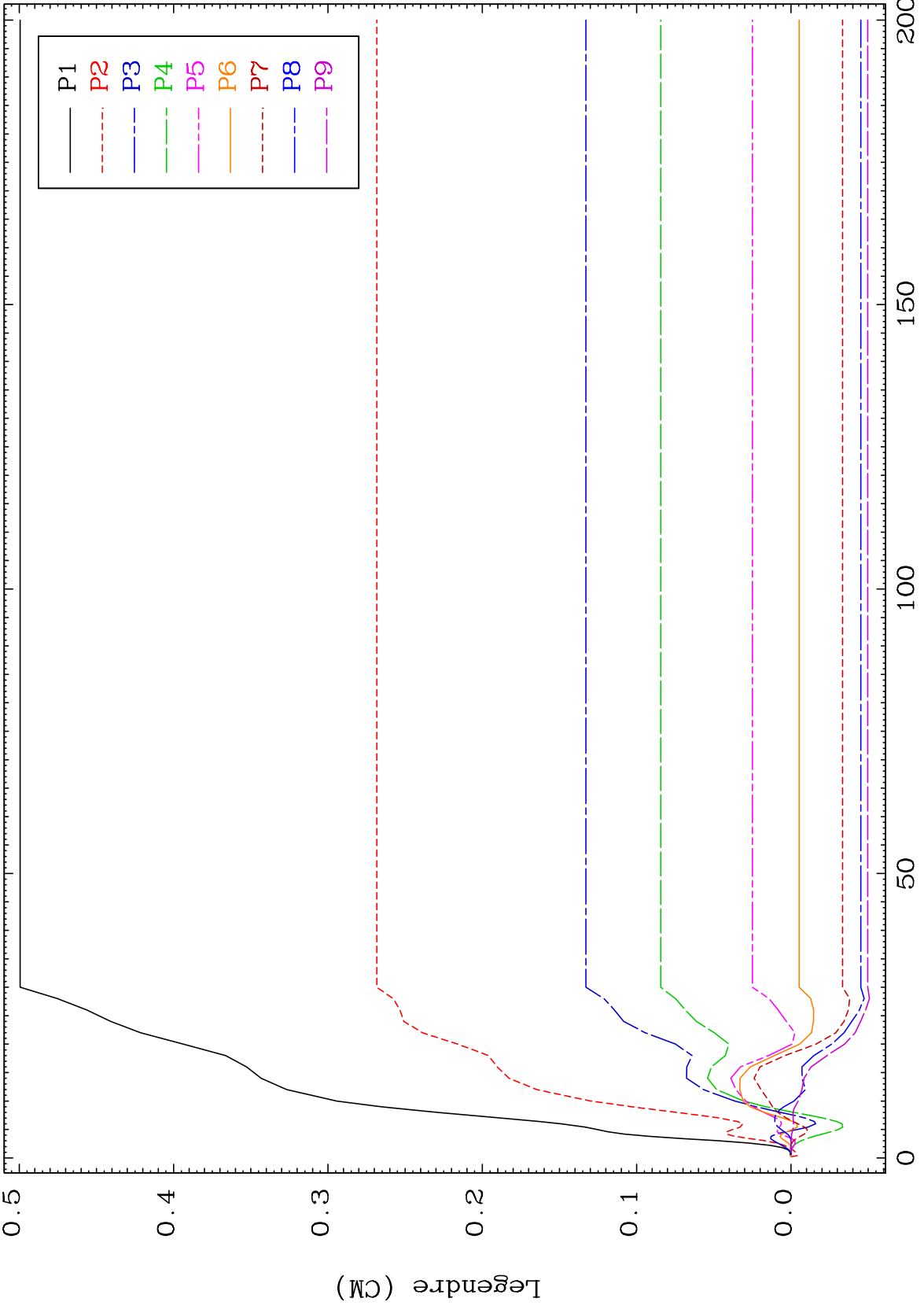


39

Incident Energy (MeV)

45-Rh-104

MAT 4528 MT= 57 (n,n') Level Legendre Coefficients 45-Rh-104

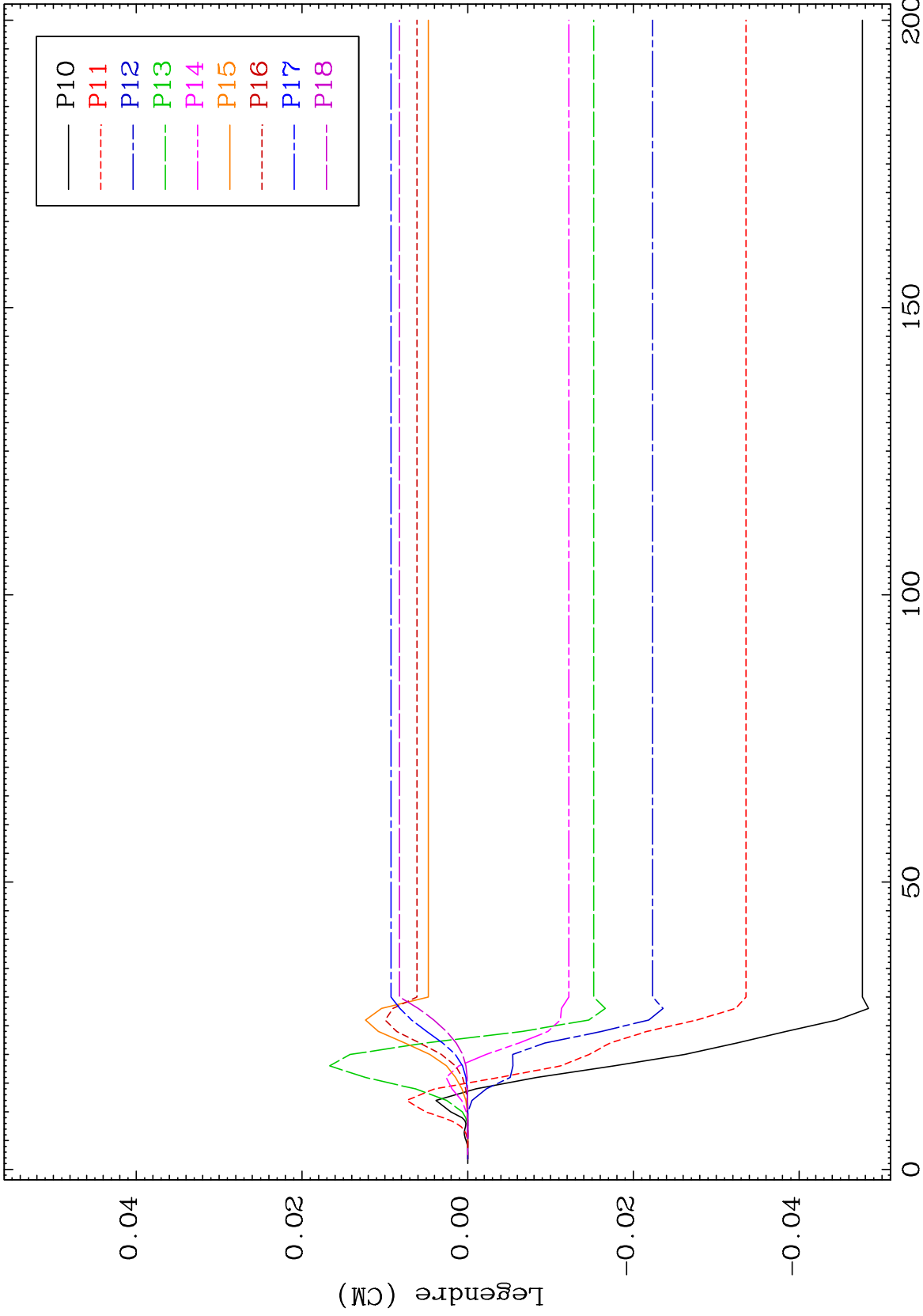


45-Rh-104

MAT 4528

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

45-Rh-104



41

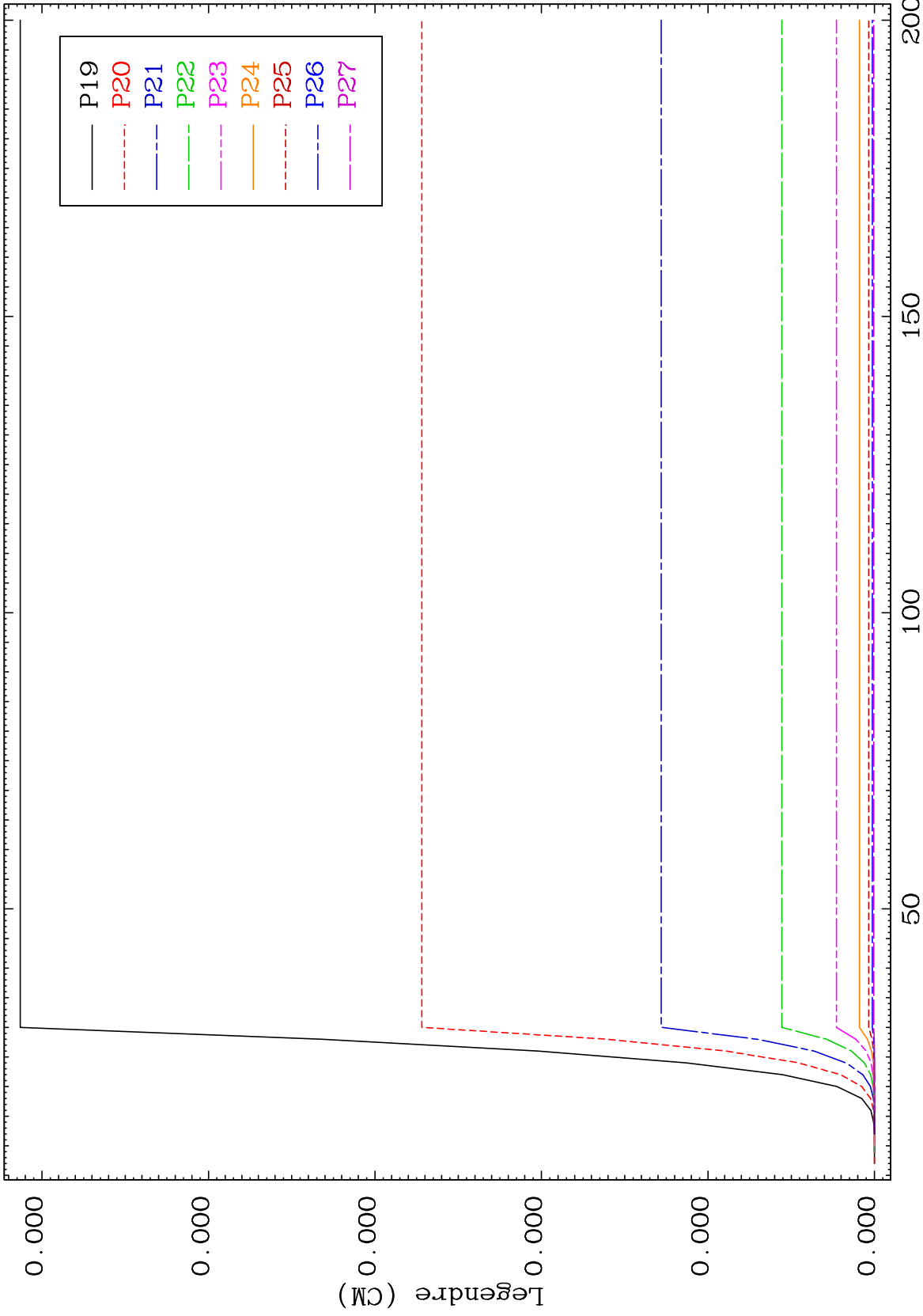
Incident Energy (MeV)

45-Rh-104

MAT 4528

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

45-Rh-104



42

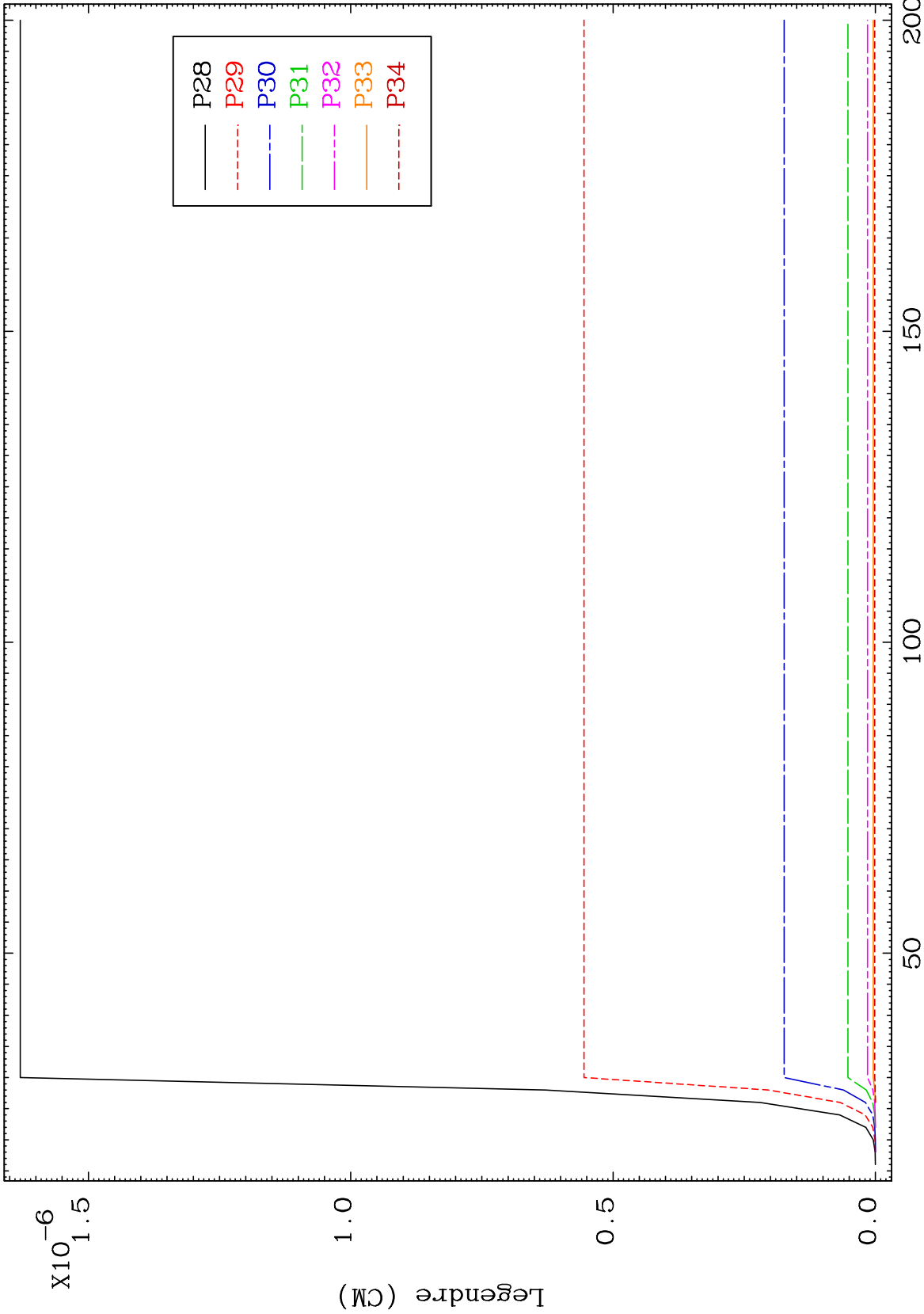
Incident Energy (MeV)

45-Rh-104

MAT 4528

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

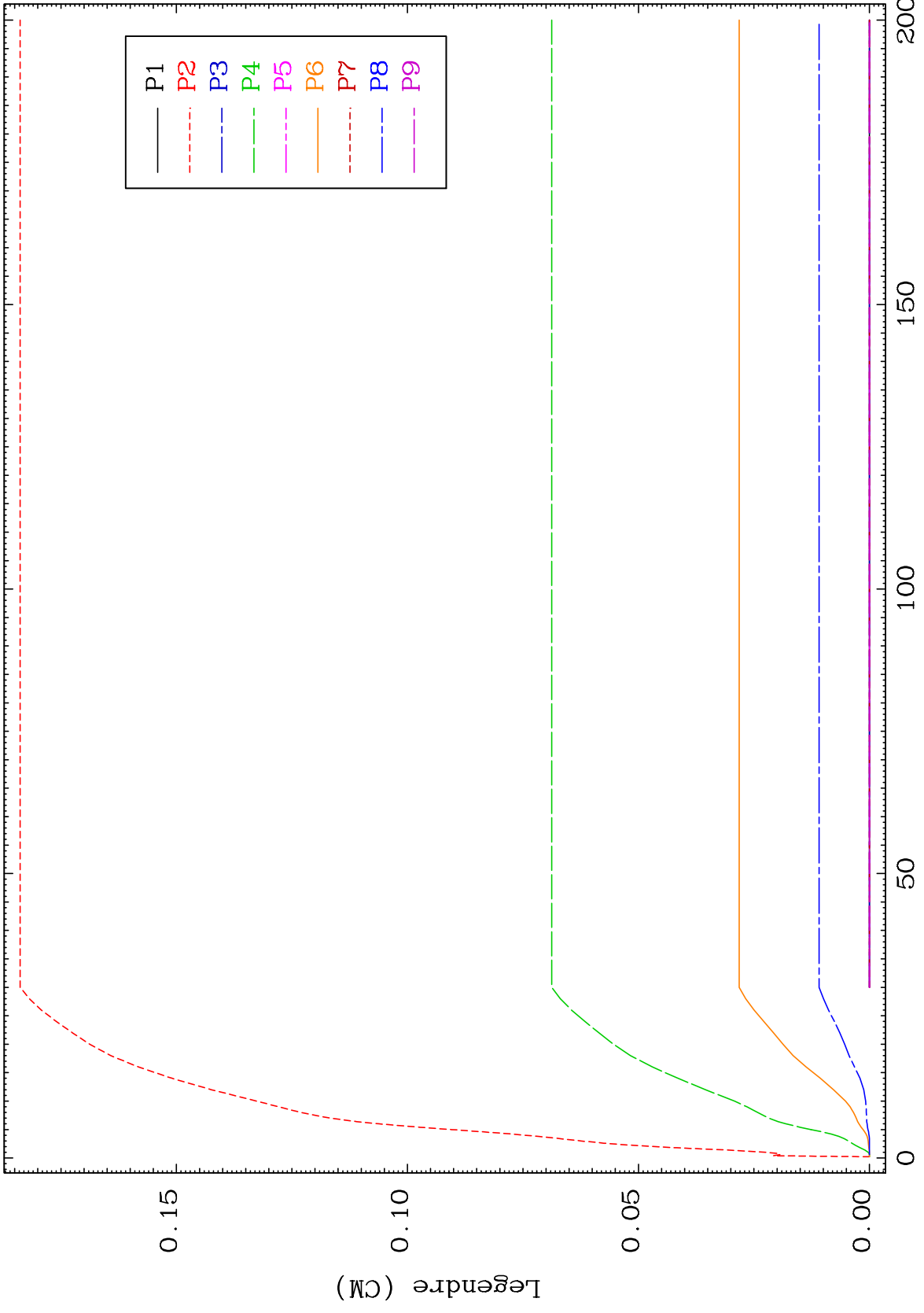
45-Rh-104



43

45-Rh-104

MAT 4528 MT= 58 (n,n') Level Legendre Coefficients 45-Rh-104

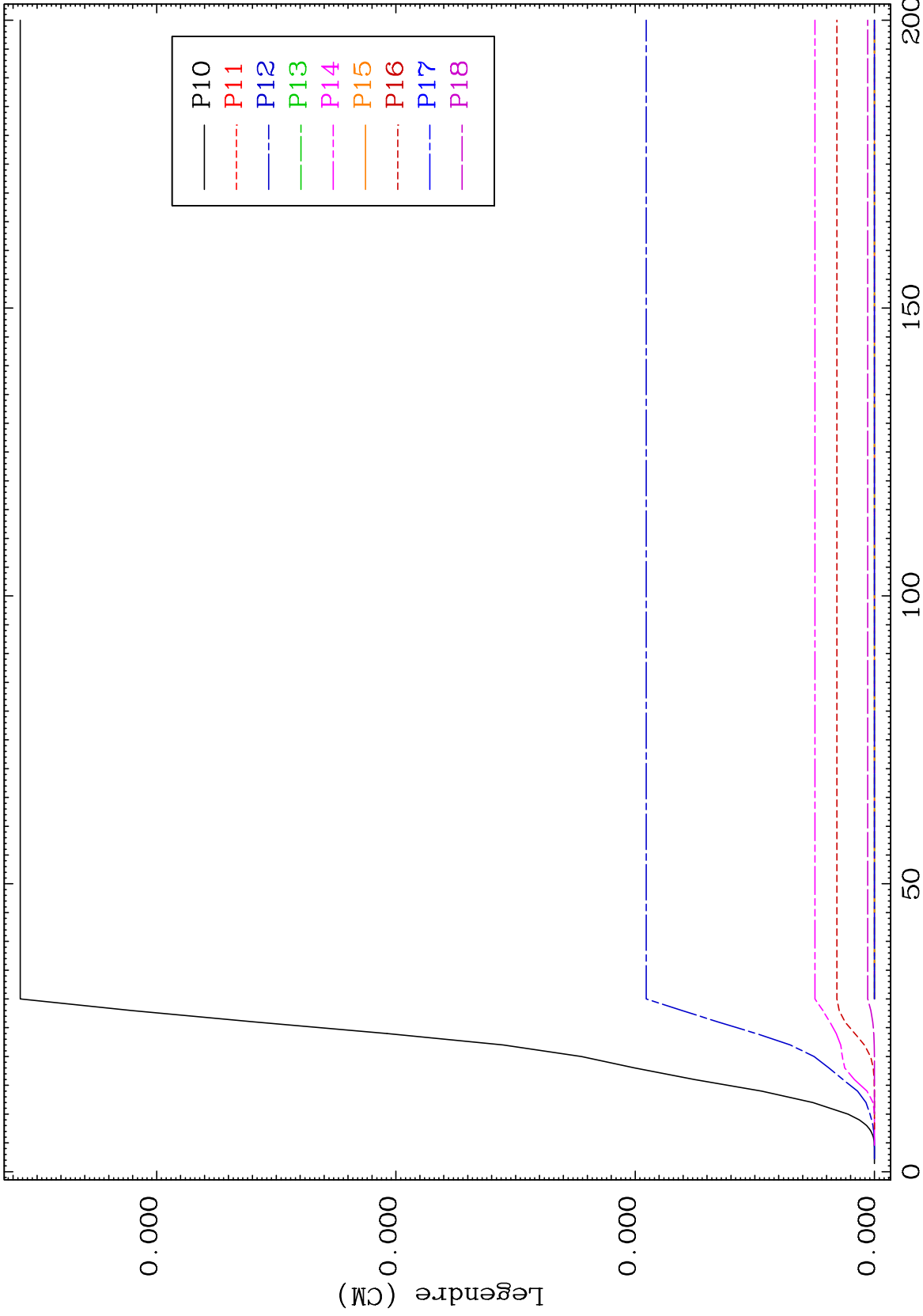


44 45-Rh-104

MAT 4528

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

45-Rh-104

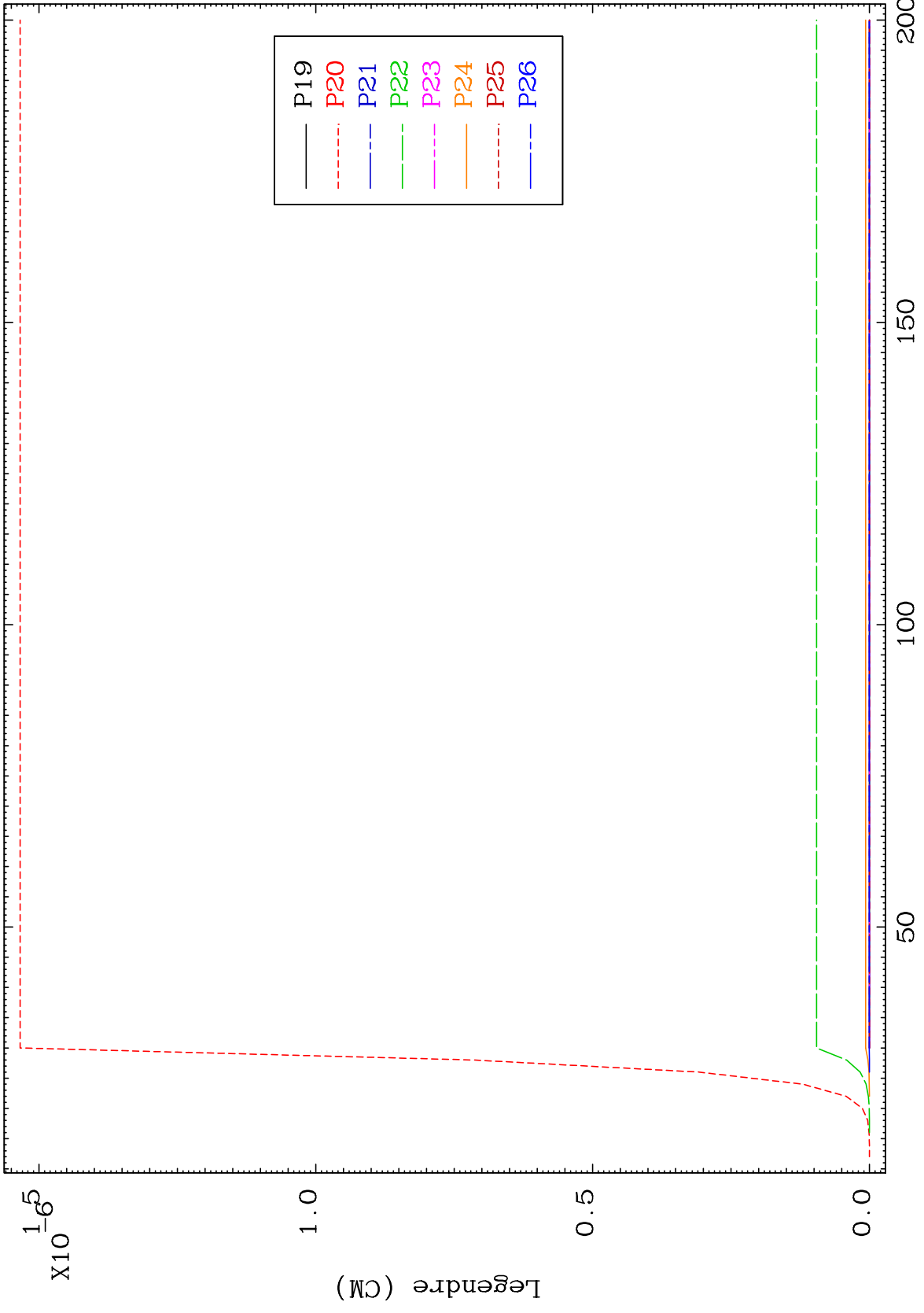


45

Incident Energy (MeV)

45-Rh-104

MAT 4528 MT= 58 (n,n') Level Legendre Coefficients 45-Rh-104

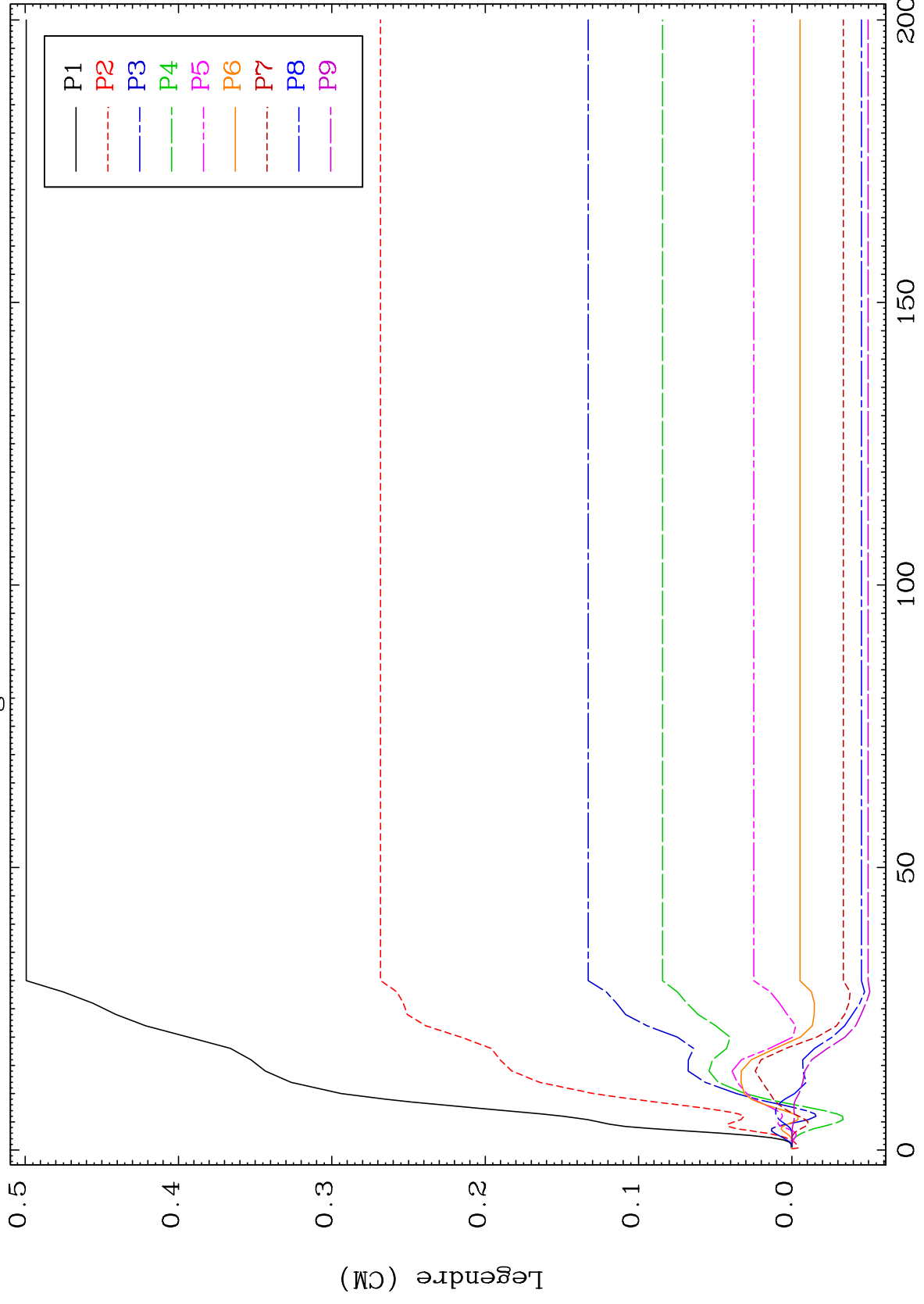


46 Incident Energy (MeV) 45-Rh-104

MAT 4528

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

45-Rh-104



47

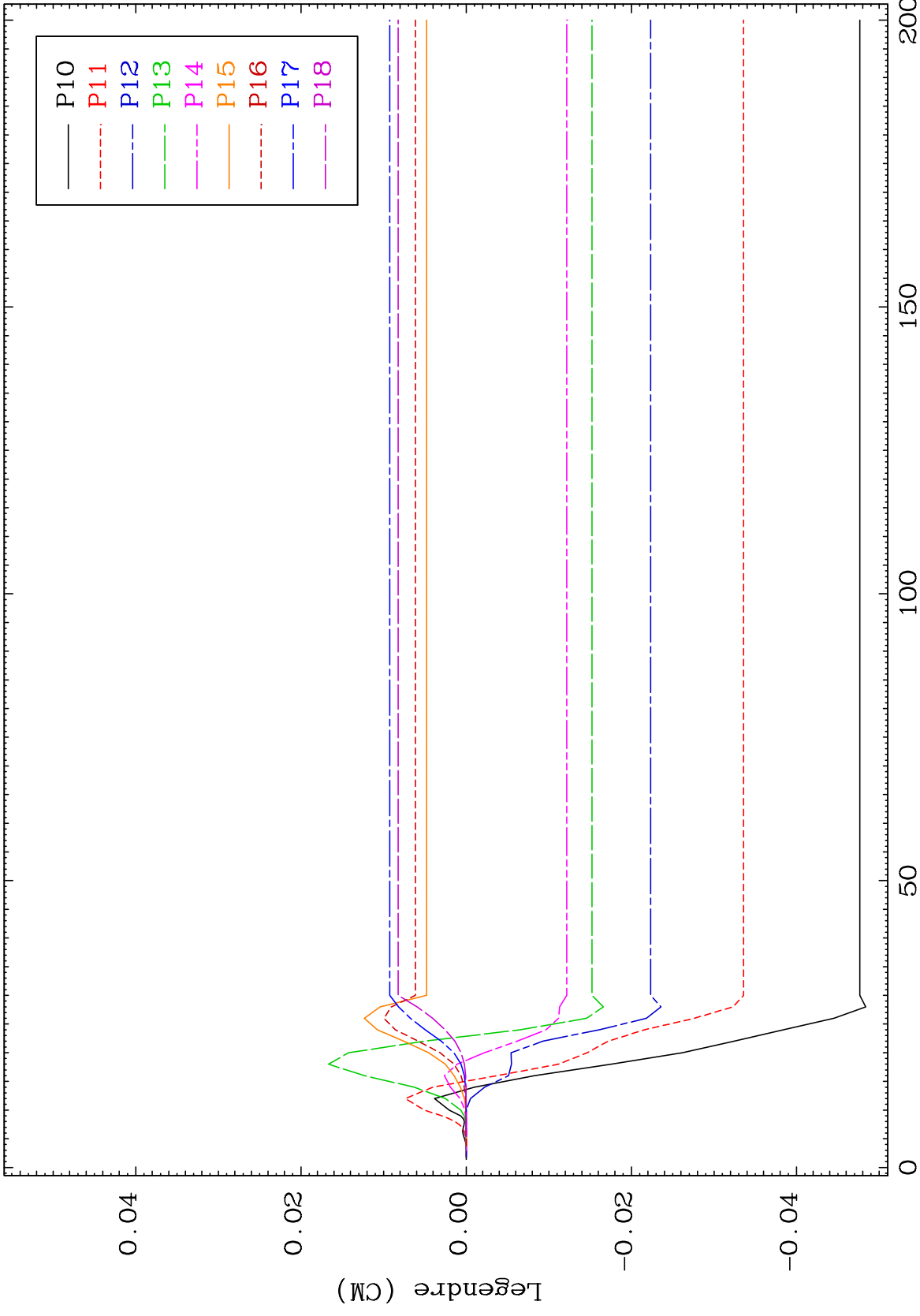
Incident Energy (MeV)

45-Rh-104

MAT 4528

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

45-Rh-104



48

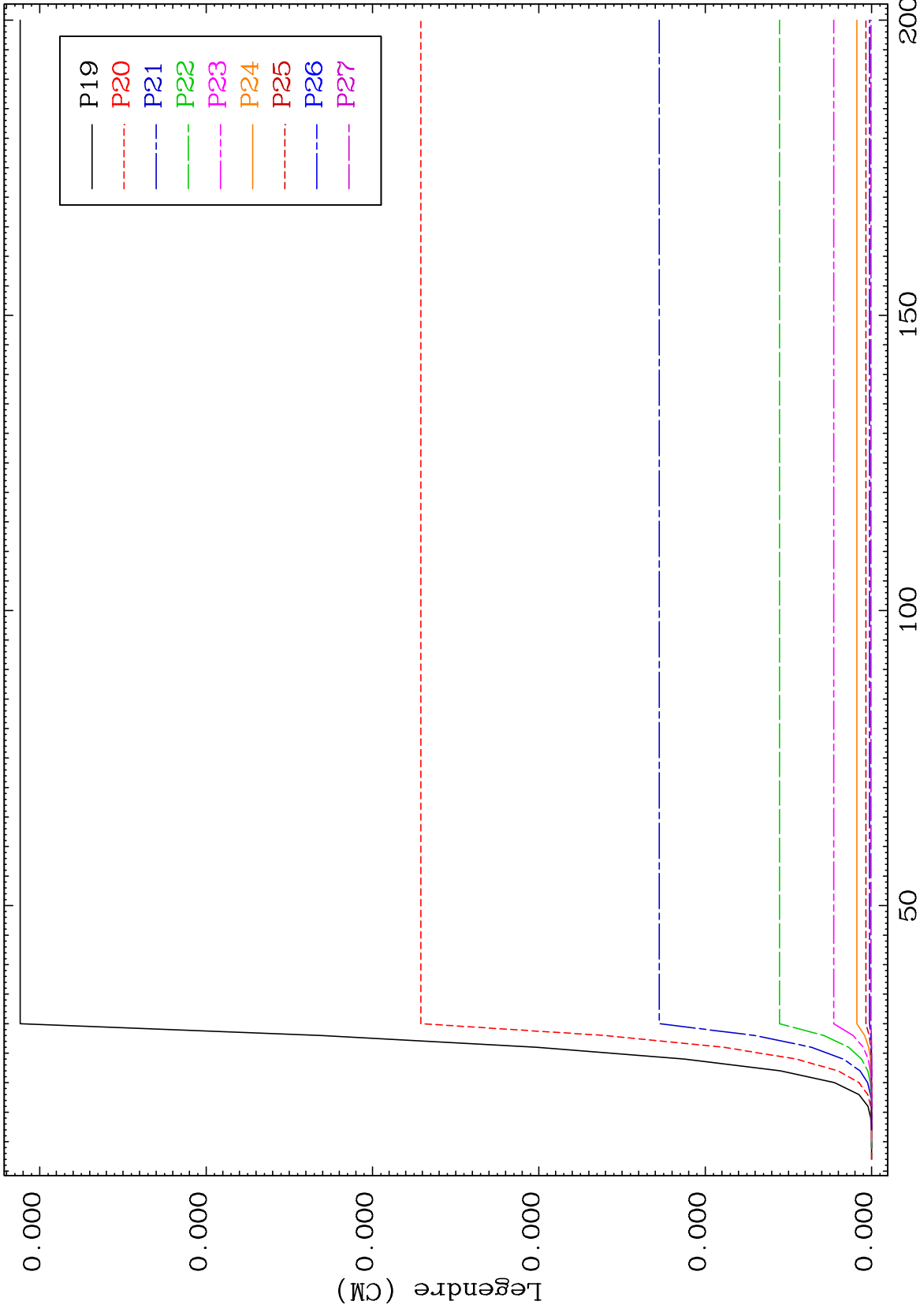
Incident Energy (MeV)

45-Rh-104

MAT 4528

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

45-Rh-104



49

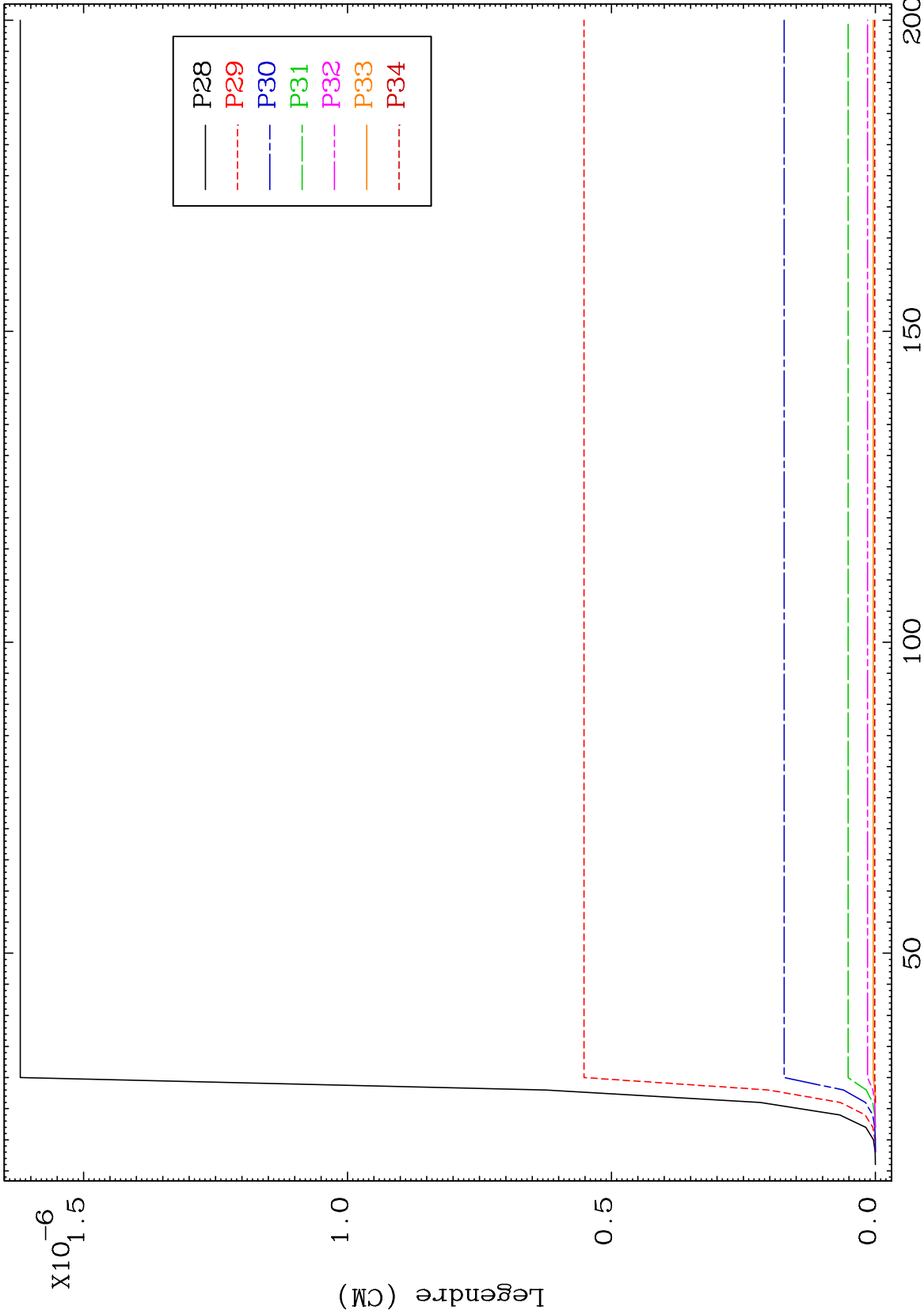
Incident Energy (MeV)

45-Rh-104

MAT 4528

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

45-Rh-104



50

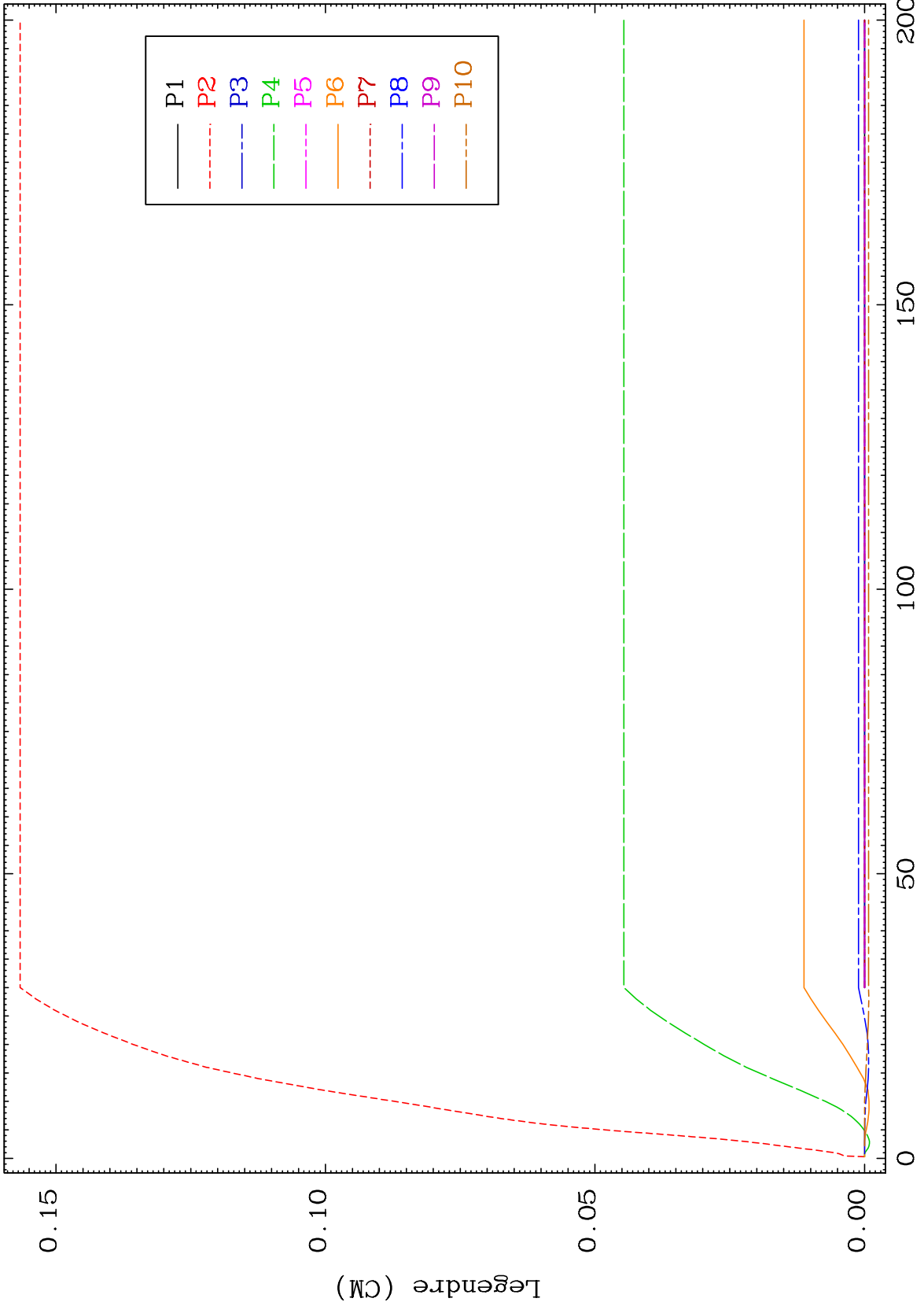
Incident Energy (MeV)

45-Rh-104

MAT 4528

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

45-Rh-104

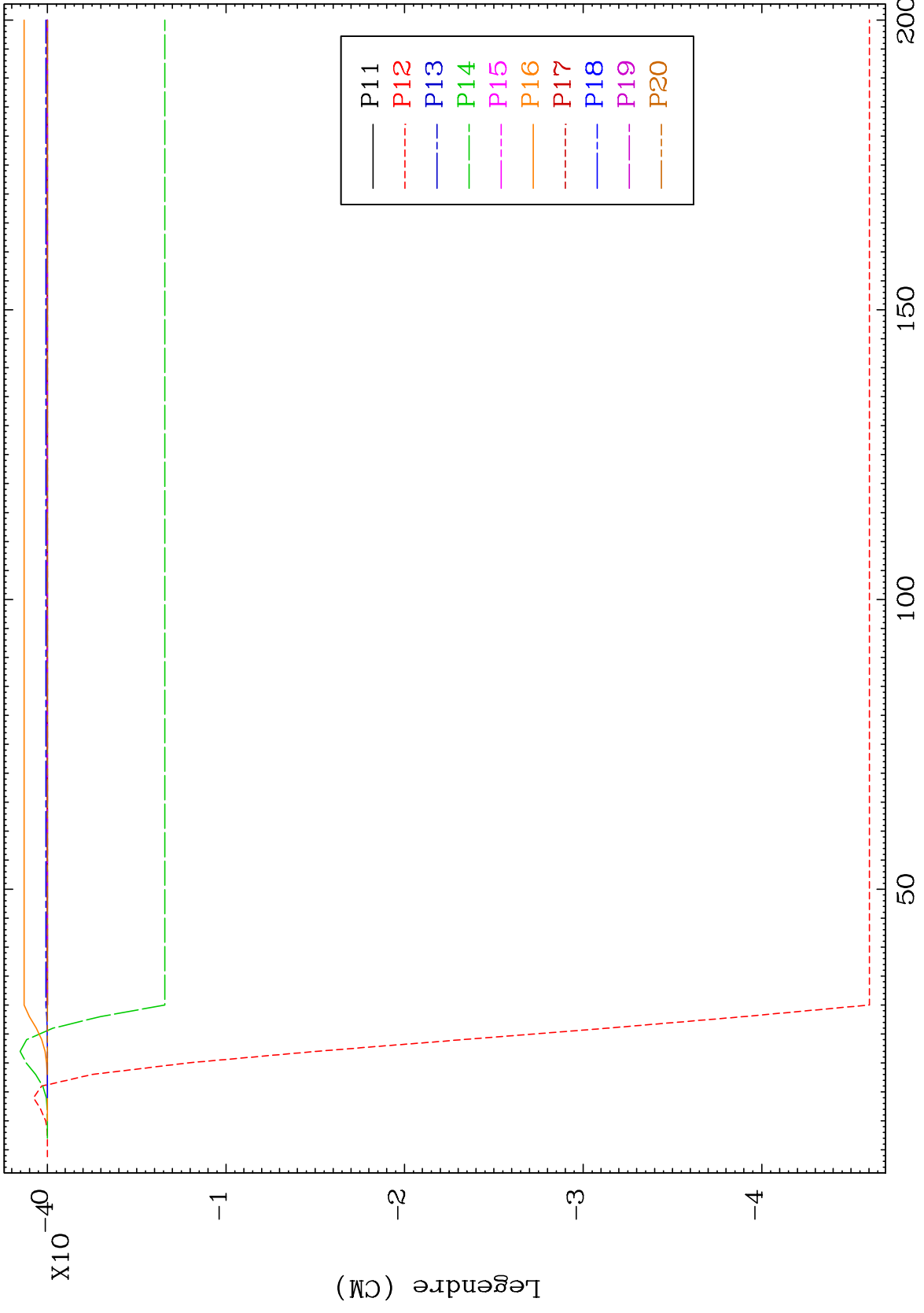


51

Incident Energy (MeV)

45-Rh-104

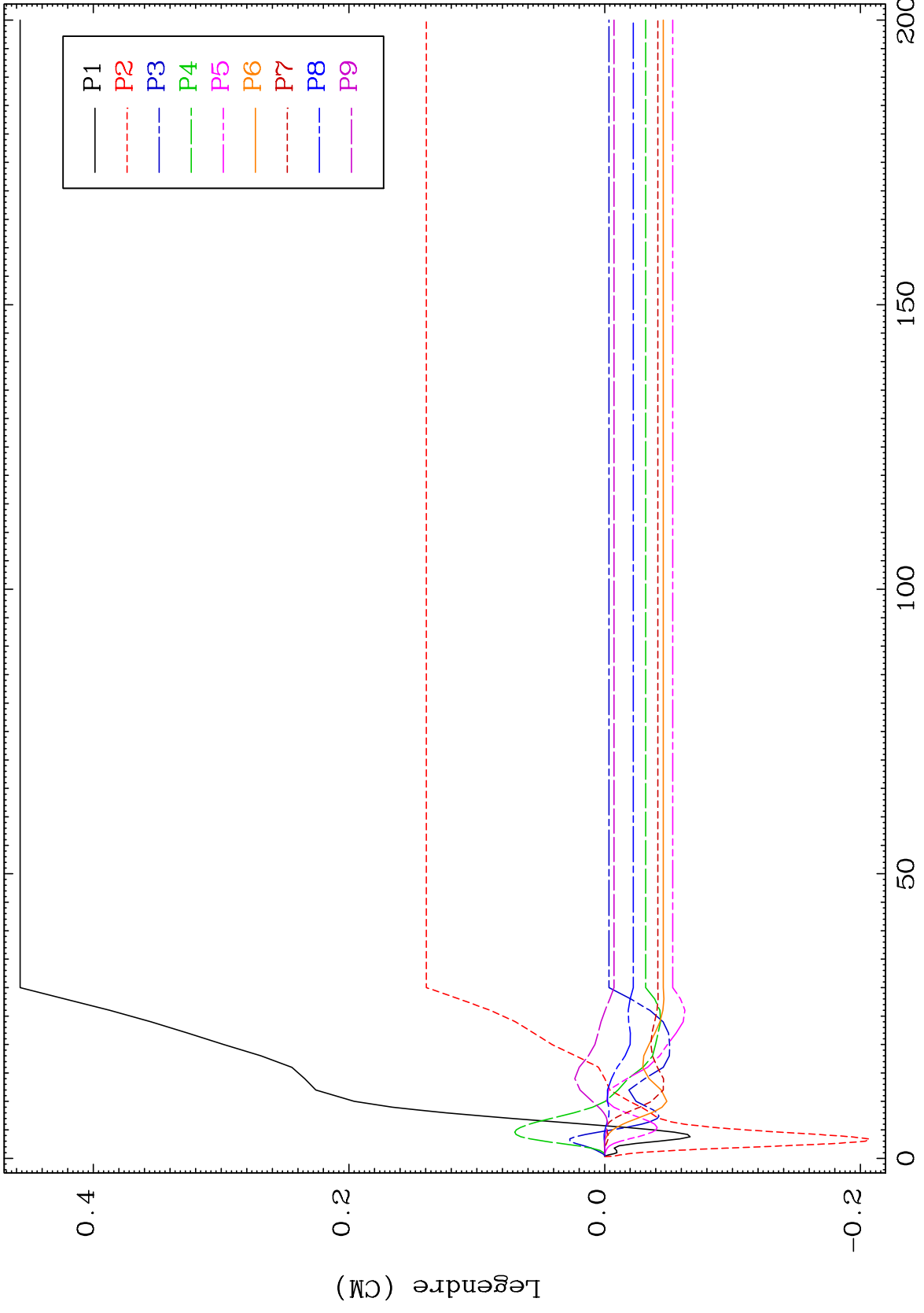
MAT 4528 MT= 60 (n,n') Level Legendre Coefficients 45-Rh-104



MAT 4528

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

45-Rh-104



53

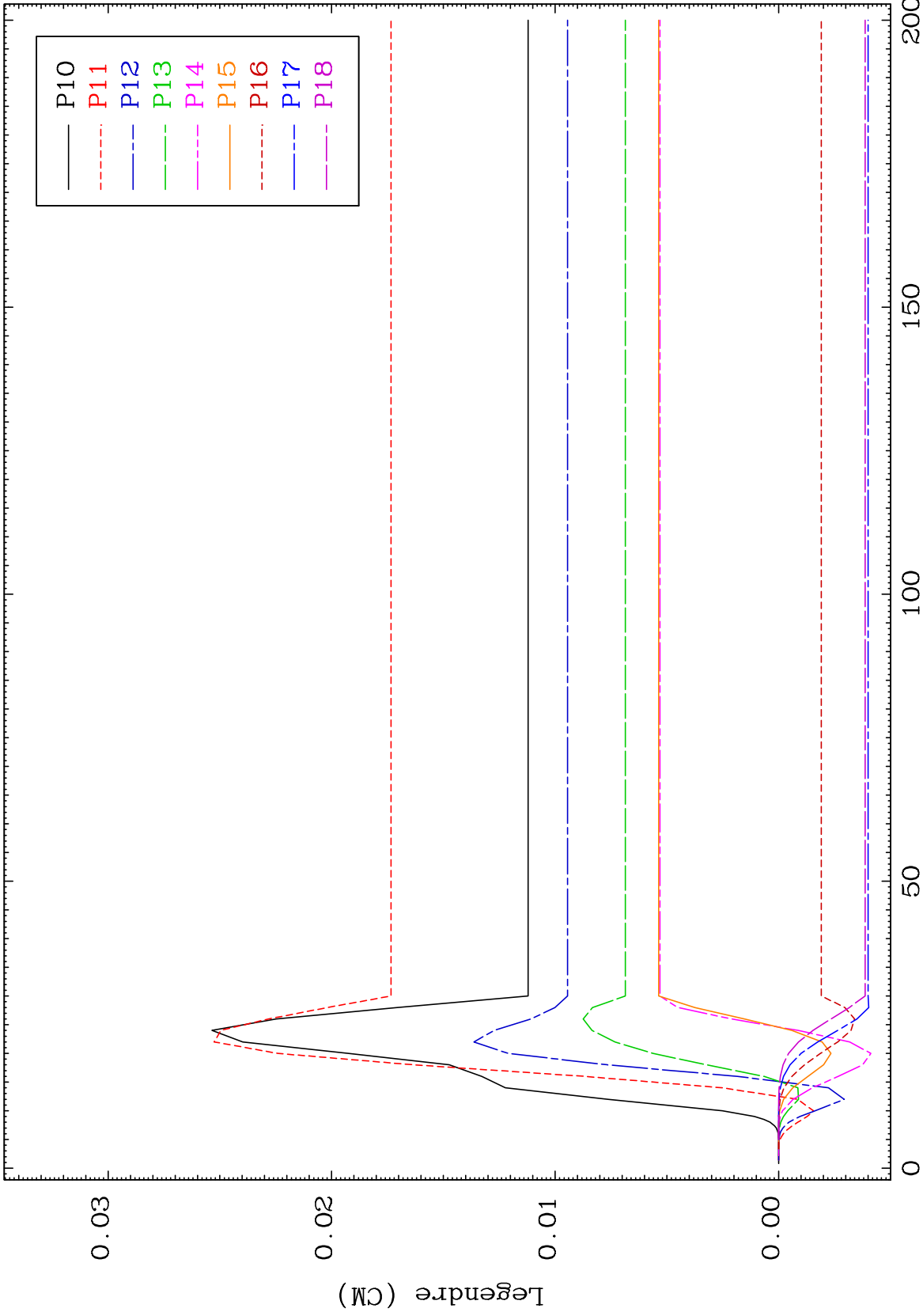
Incident Energy (MeV)

45-Rh-104

MAT 4528

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

45-Rh-104



54

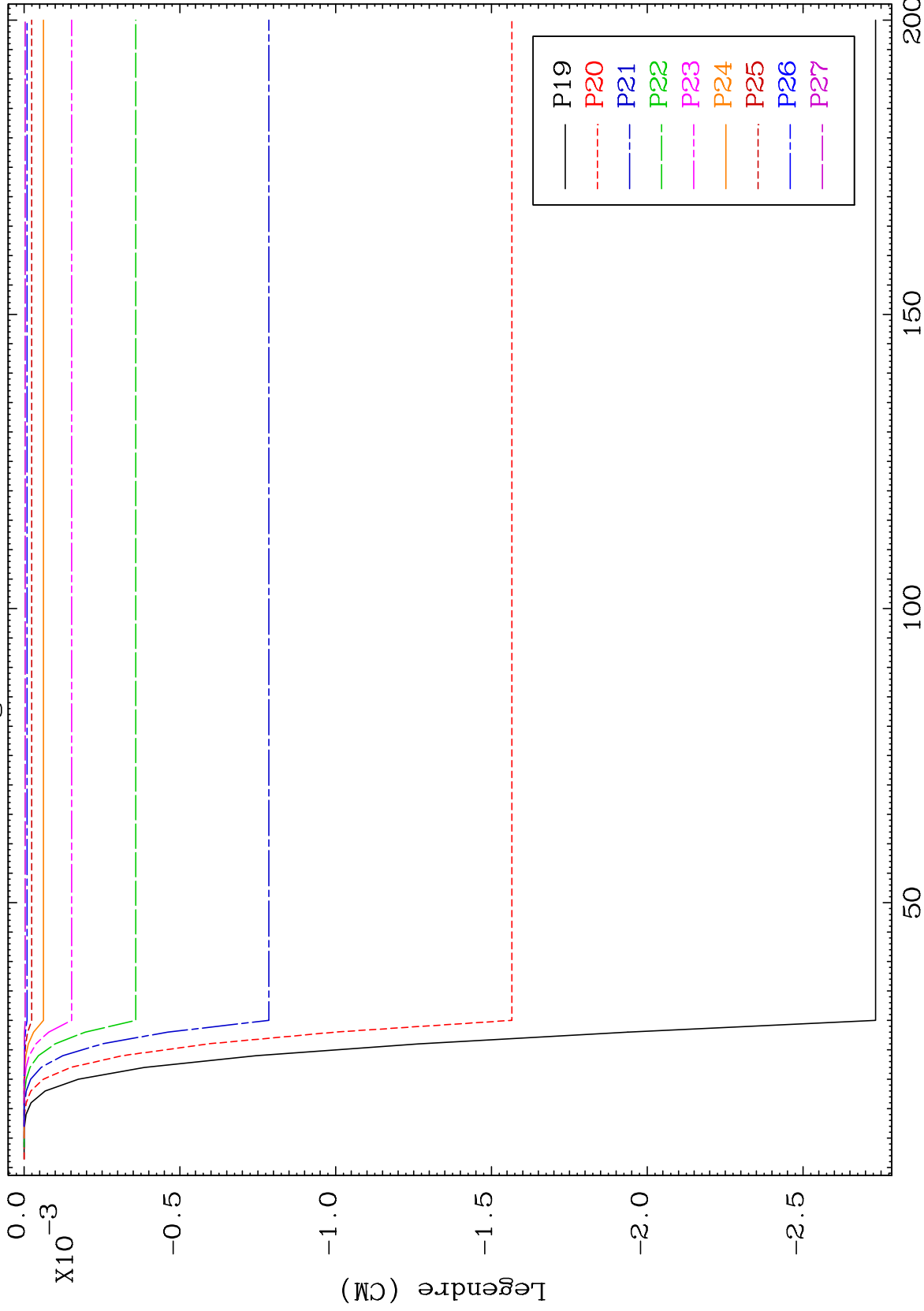
Incident Energy (MeV)

45-Rh-104

MAT 4528

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

45-Rh-104



45-Rh-104

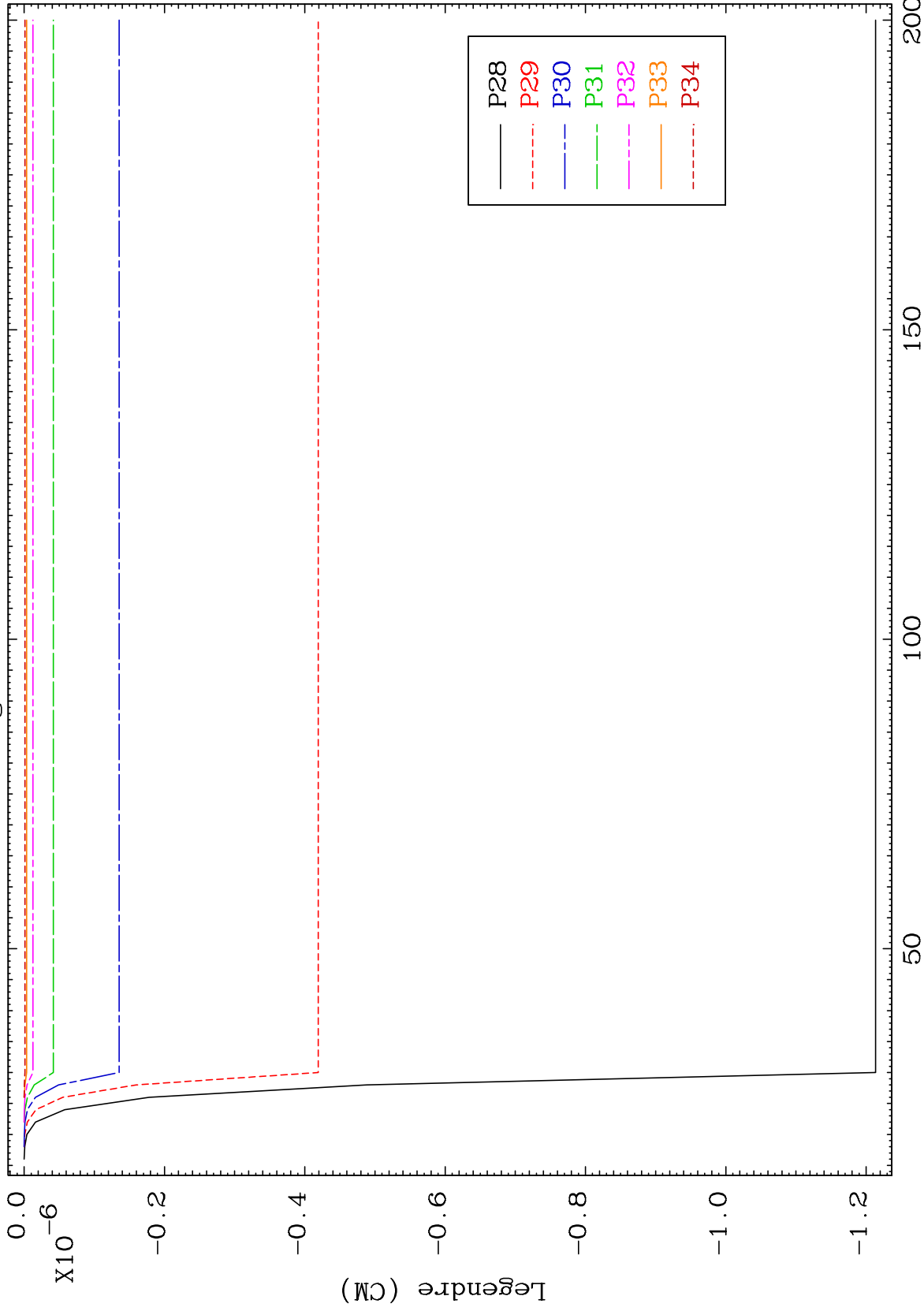
Incident Energy (MeV)

55

MAT 4528

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

45-Rh-104

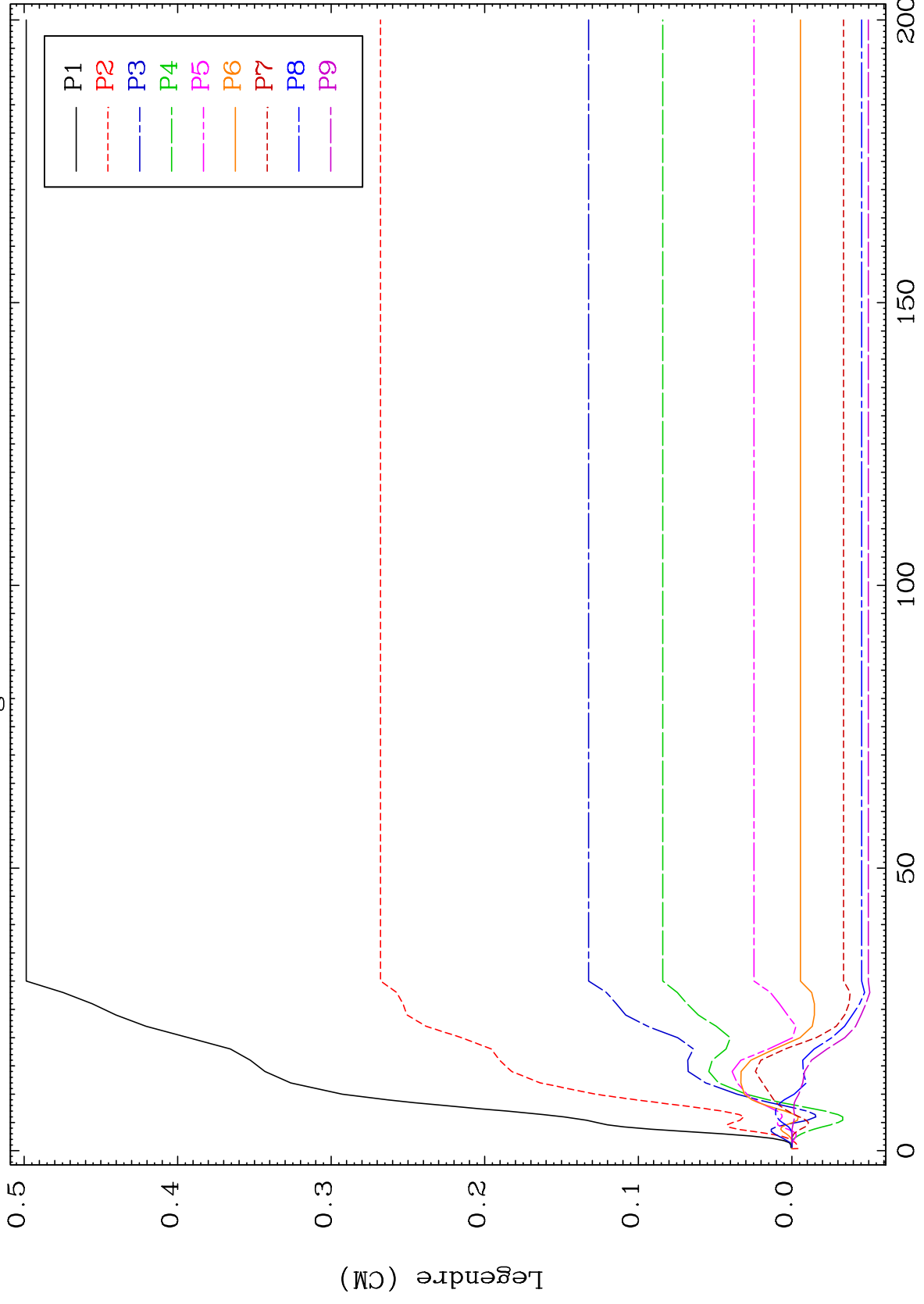


45-Rh-104

Incident Energy (MeV)

56

MAT 4528 MT= 62 (n,n') Level Legendre Coefficients 45-Rh-104

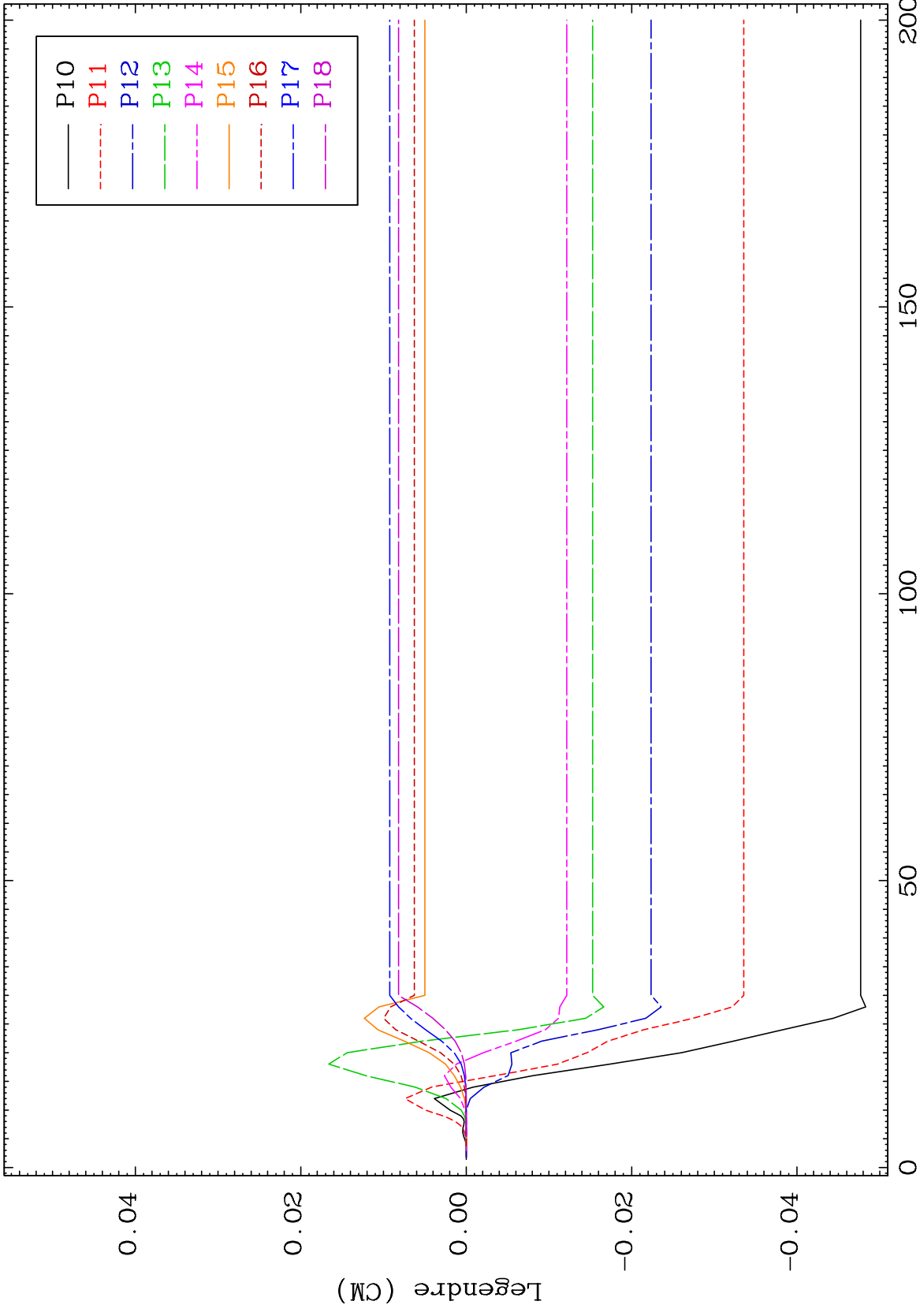


57 45-Rh-104

MAT 4528

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

45-Rh-104



58

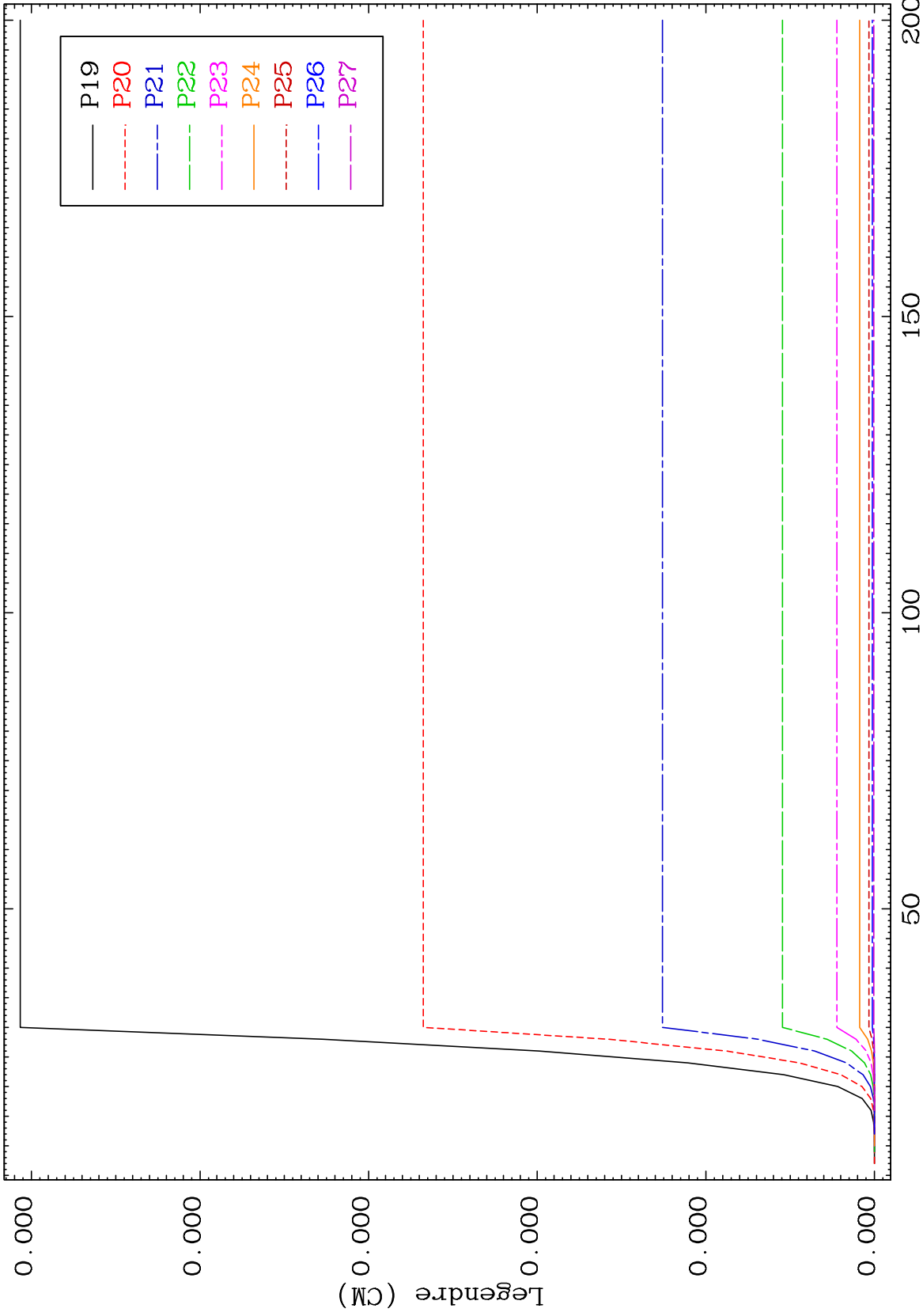
Incident Energy (MeV)

45-Rh-104

MAT 4528

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

45-Rh-104



59

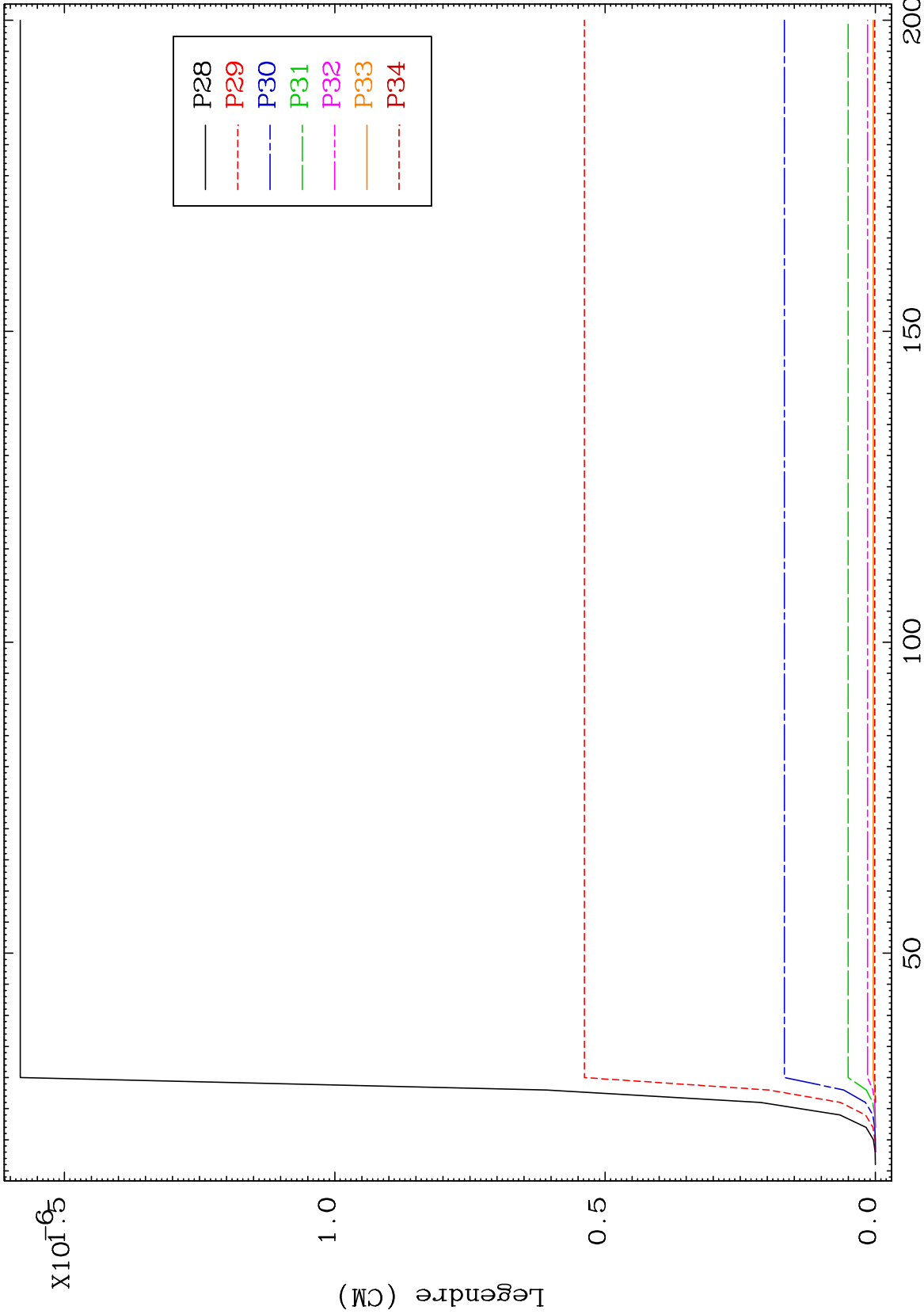
Incident Energy (MeV)

45-Rh-104

MAT 4528

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

45-Rh-104



60

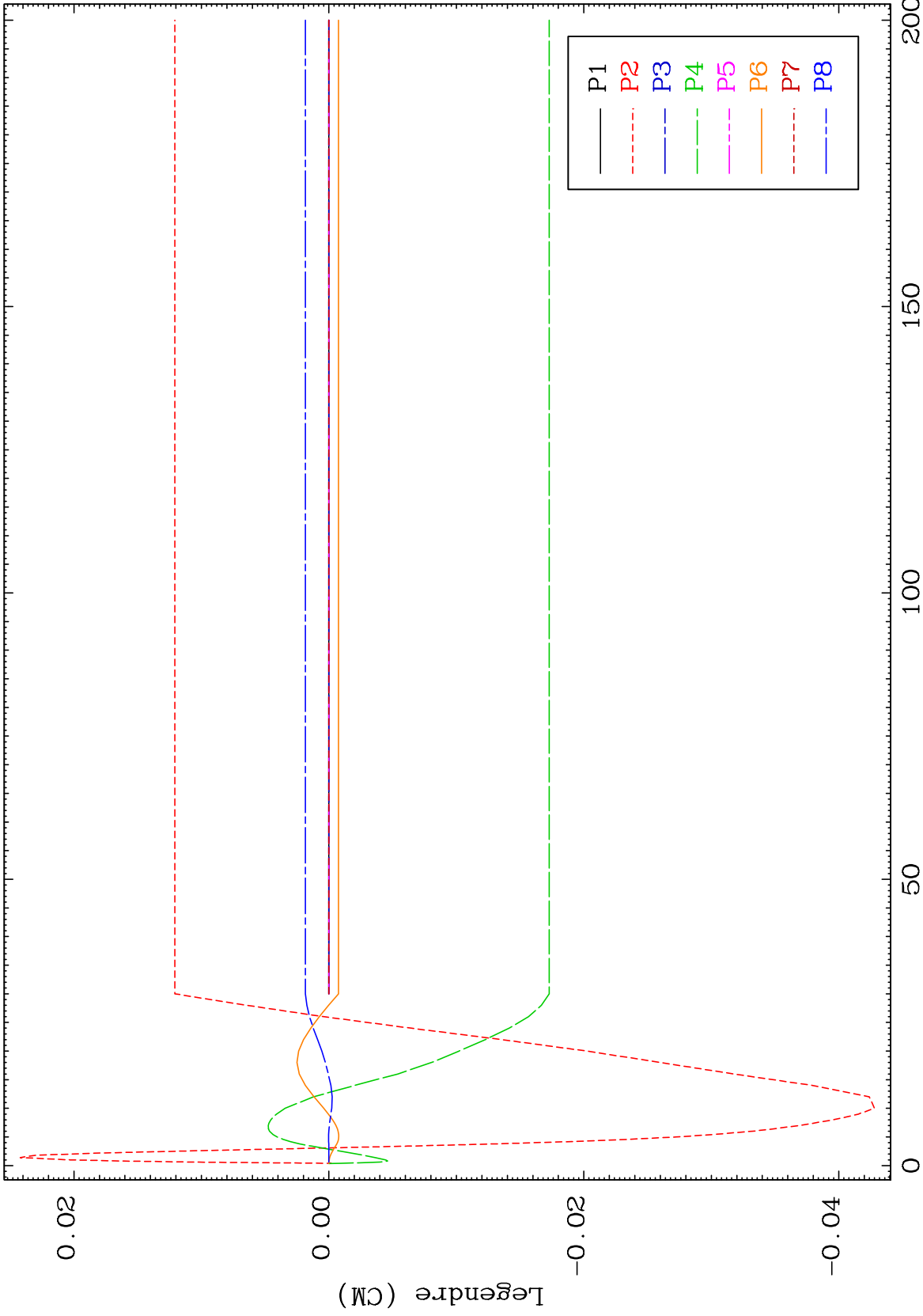
Incident Energy (MeV)

45-Rh-104

MAT 4528

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

45-Rh-104



61

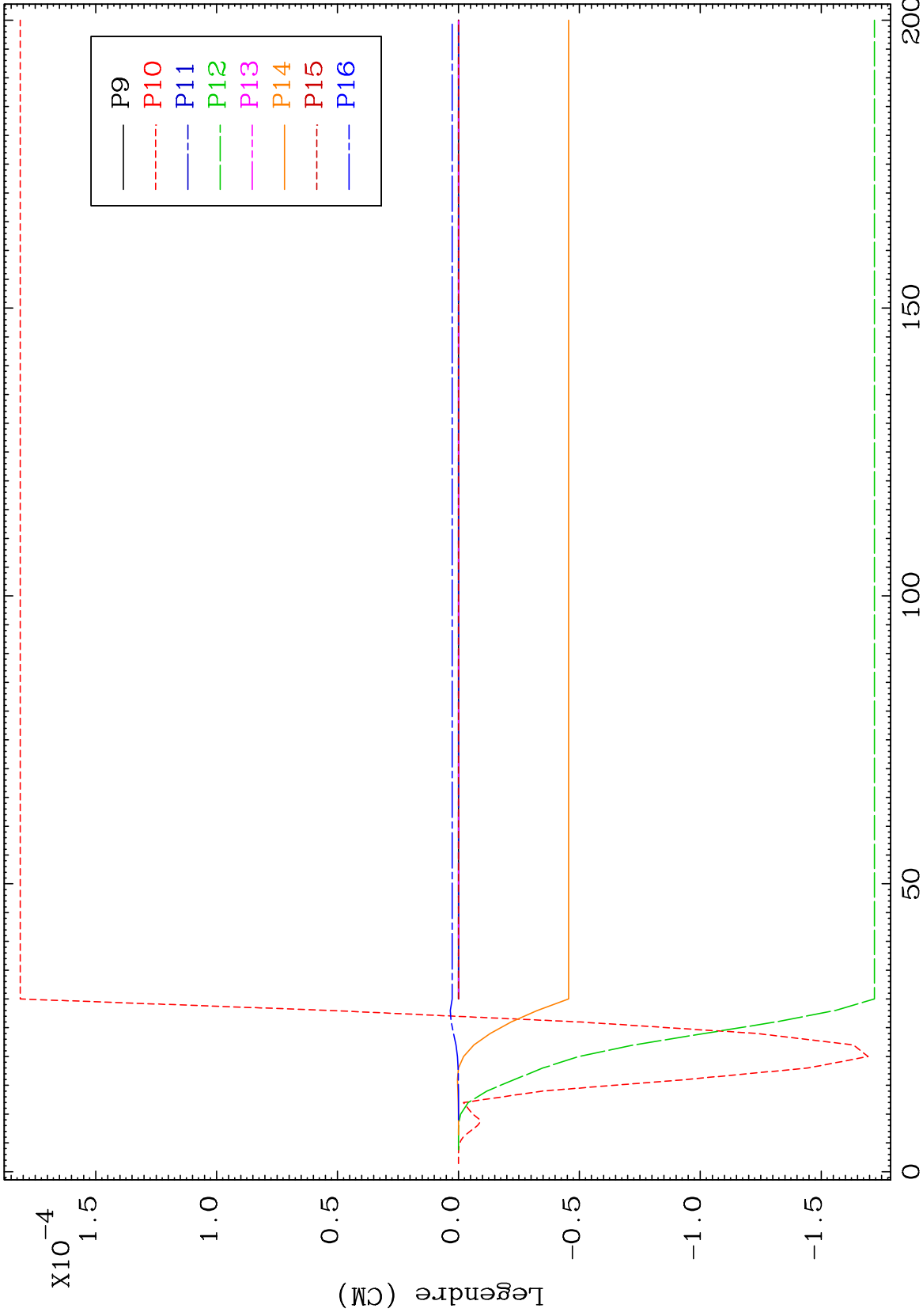
Incident Energy (MeV)

45-Rh-104

MAT 4528

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

45-Rh-104

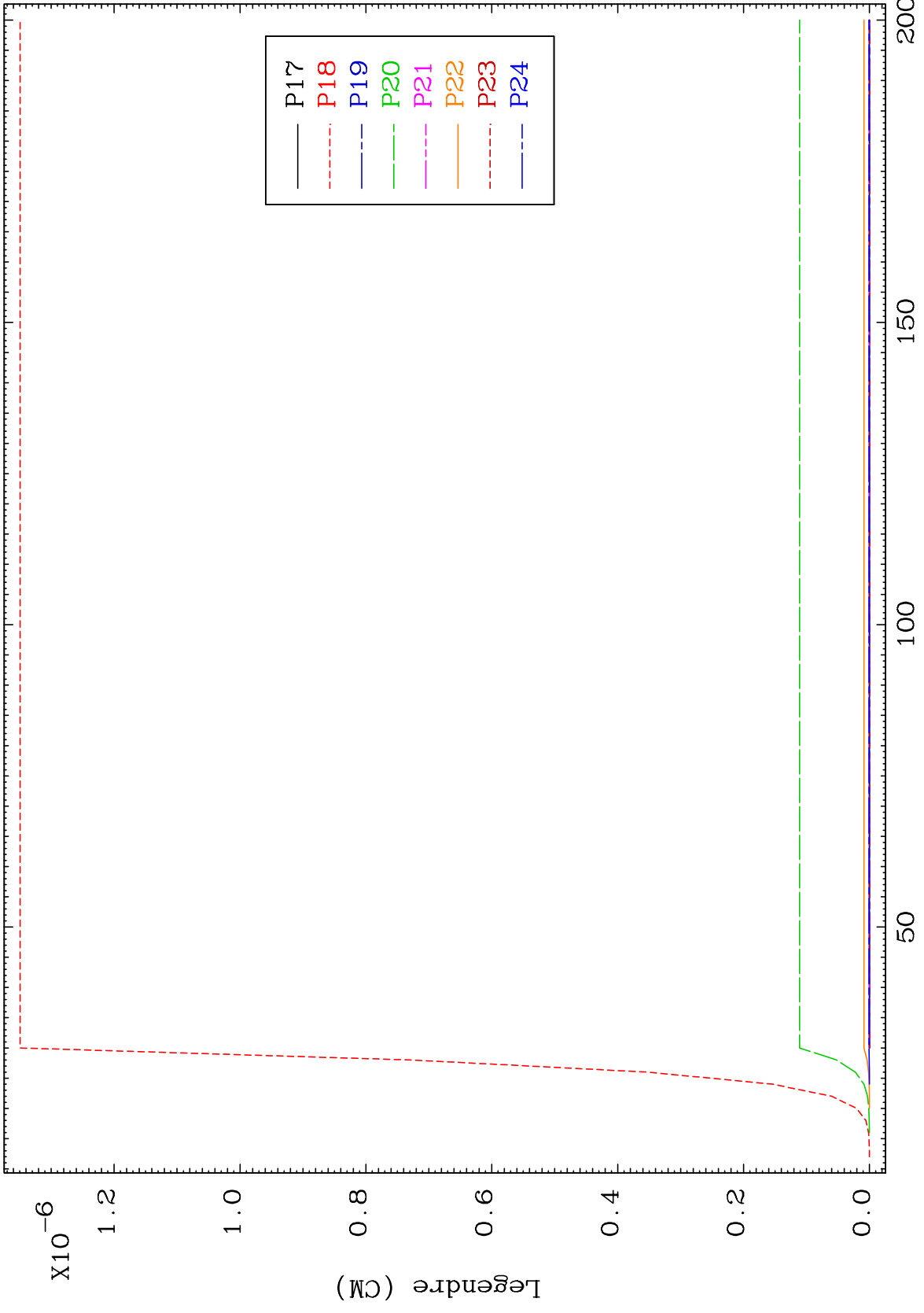


62

Incident Energy (MeV)

45-Rh-104

MAT 4528 MT= 63 (n,n') Level Legendre Coefficients 45-Rh-104

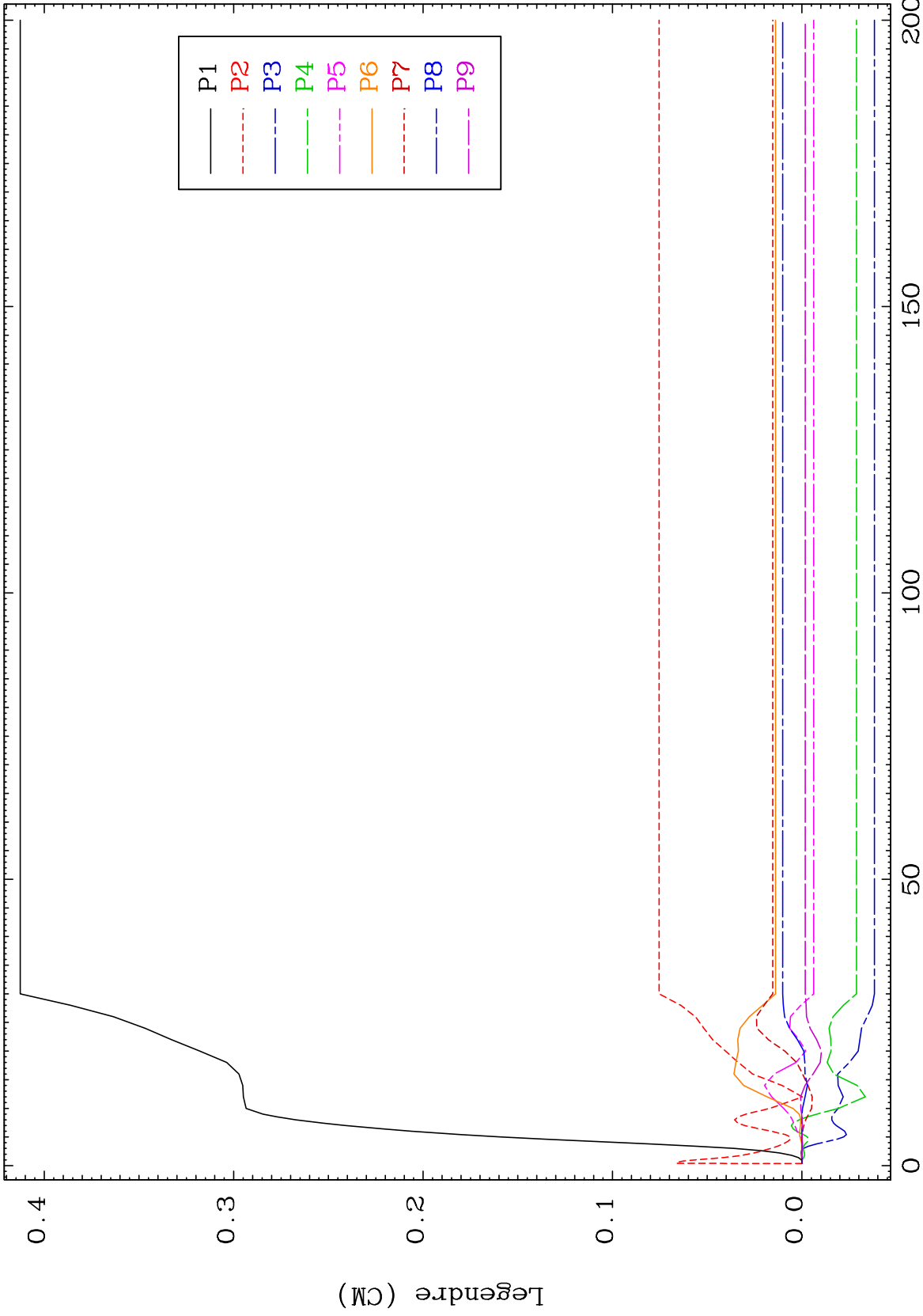


63 Incident Energy (MeV) 45-Rh-104

MAT 4528

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

45-Rh-104



64

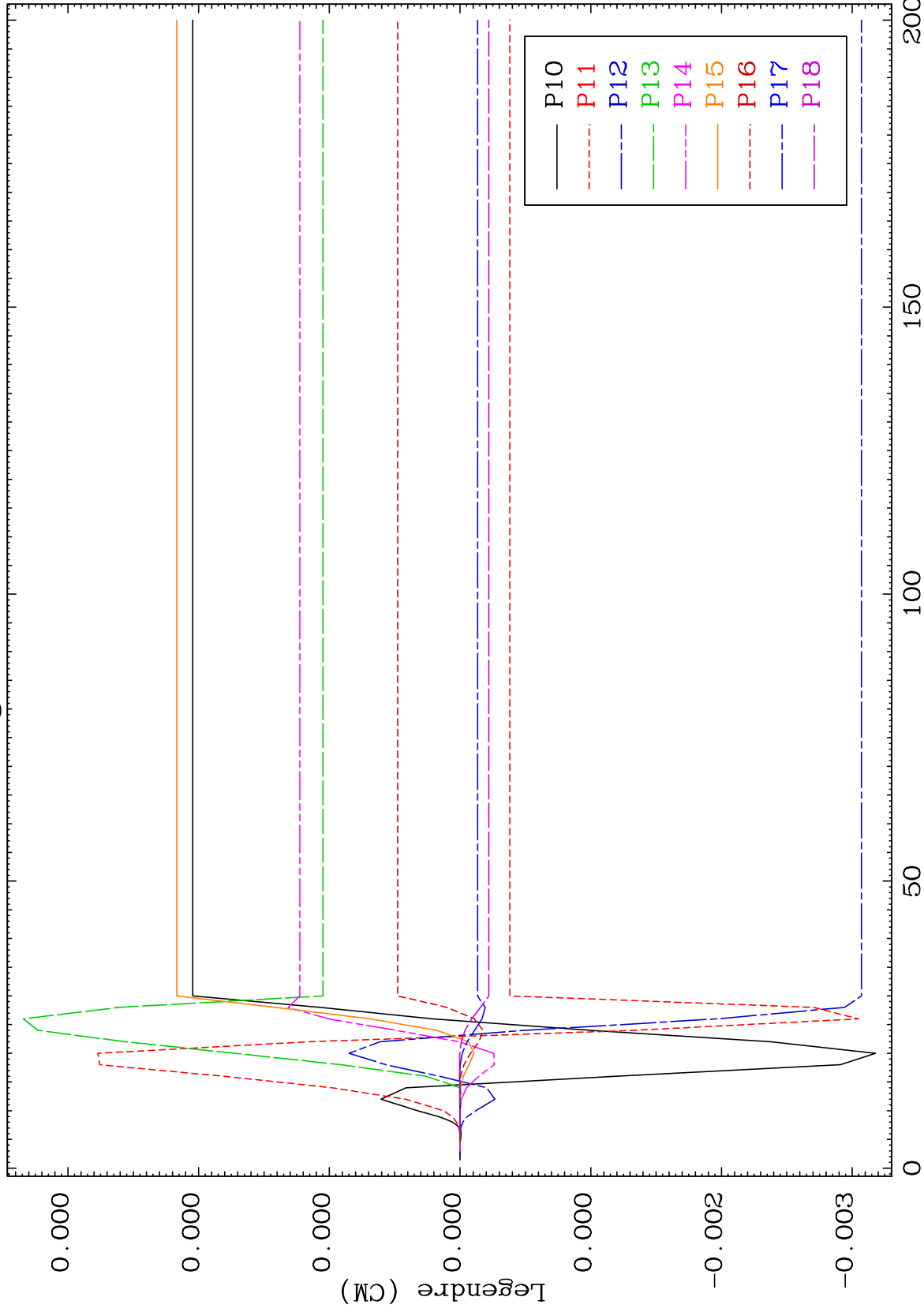
Incident Energy (MeV)

45-Rh-104

MAT 4528

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

45-Rh-104



65

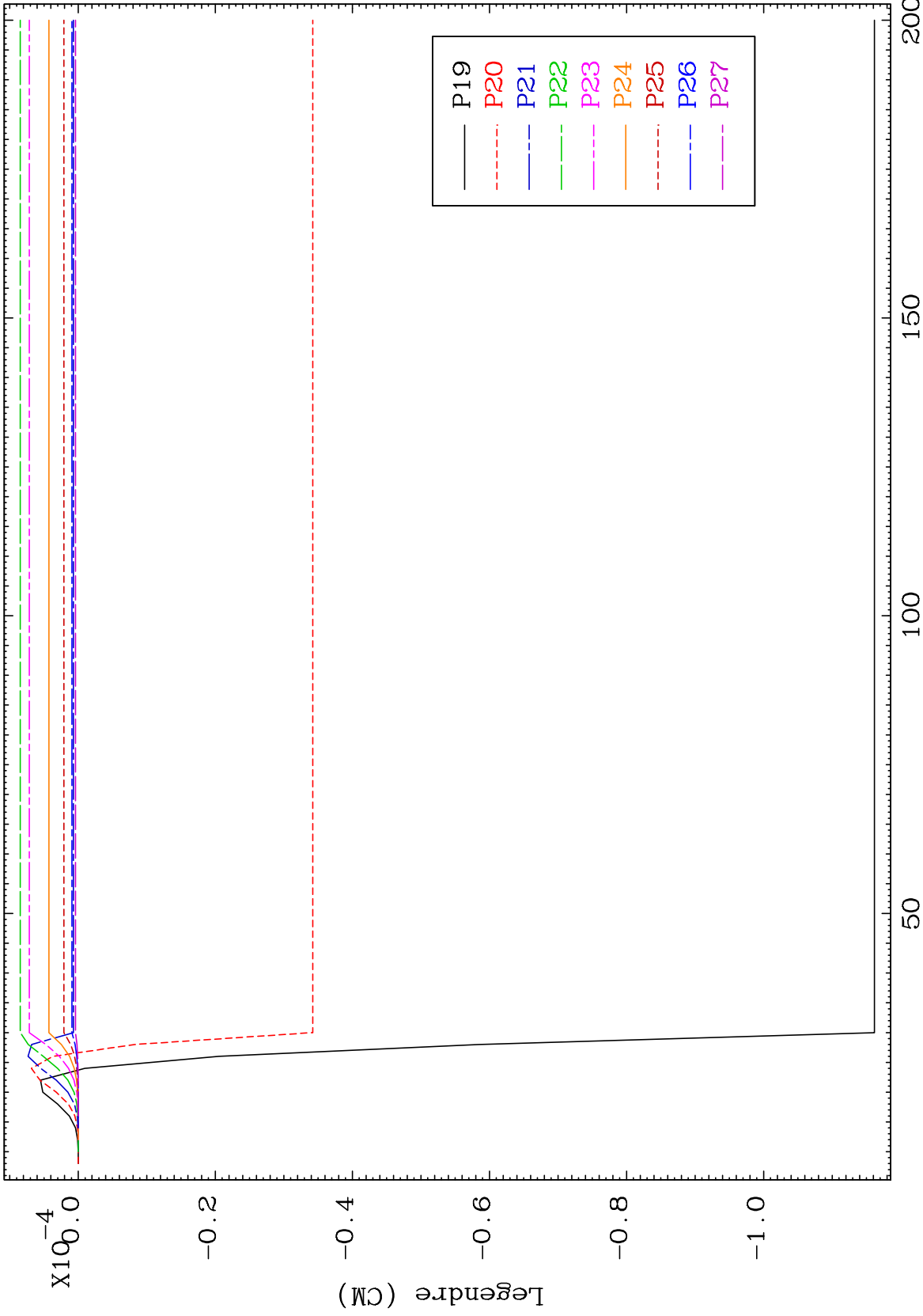
Incident Energy (MeV)

45-Rh-104

MAT 4528

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

45-Rh-104



45-Rh-104

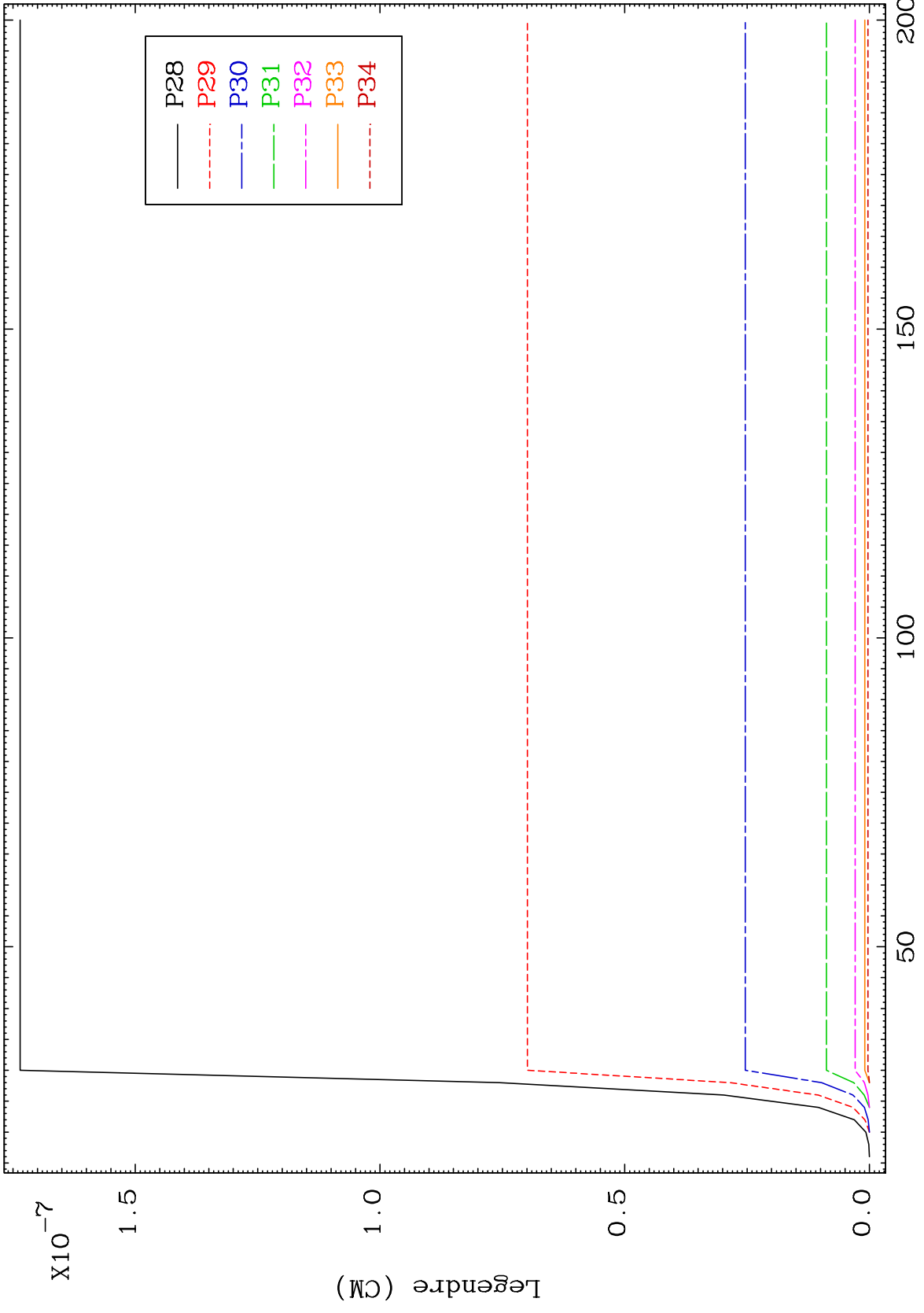
Incident Energy (MeV)

66

MAT 4528

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

45-Rh-104

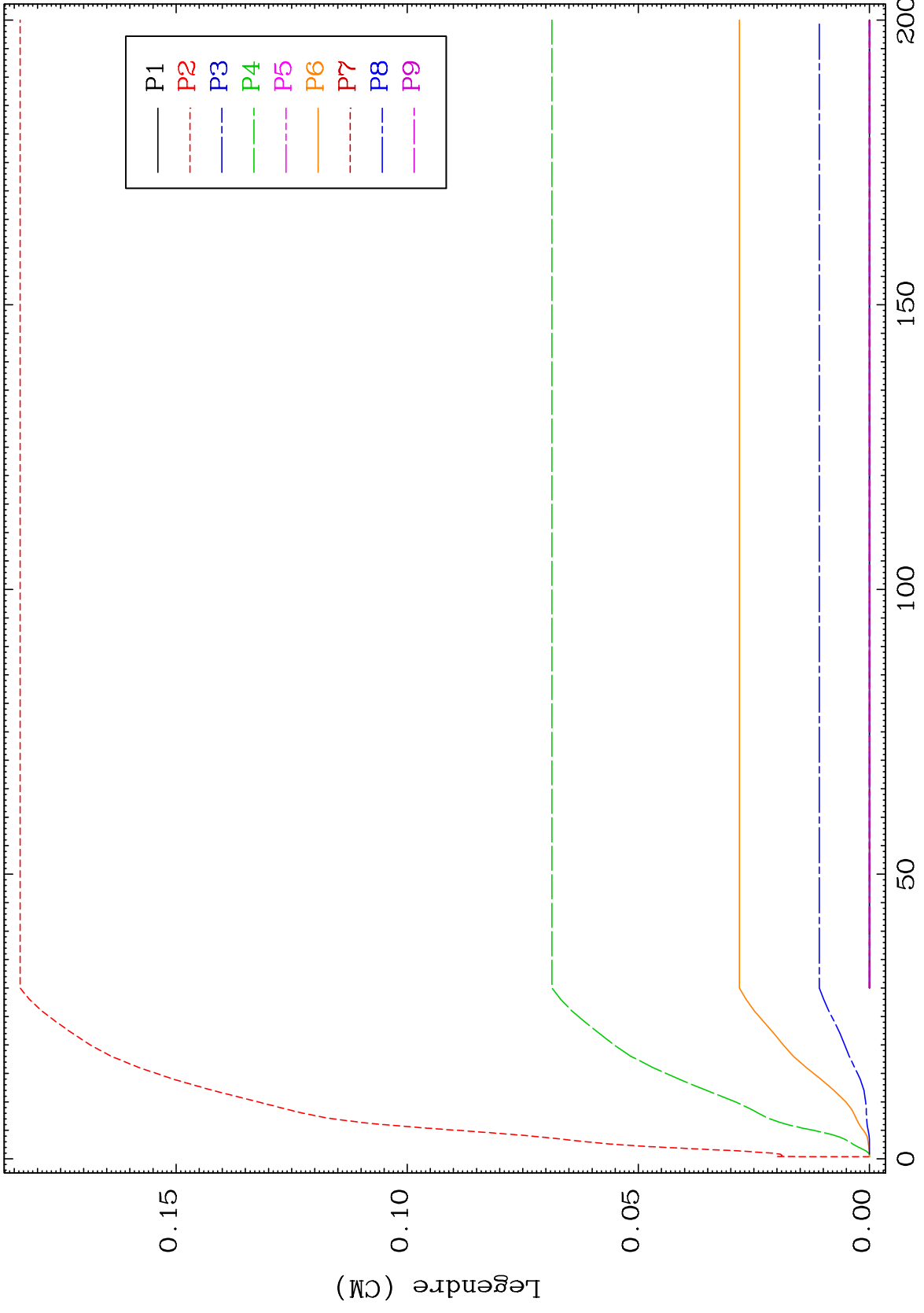


67

Incident Energy (MeV)

45-Rh-104

MAT 4528 MT= 65 (n,n') Level Legendre Coefficients 45-Rh-104

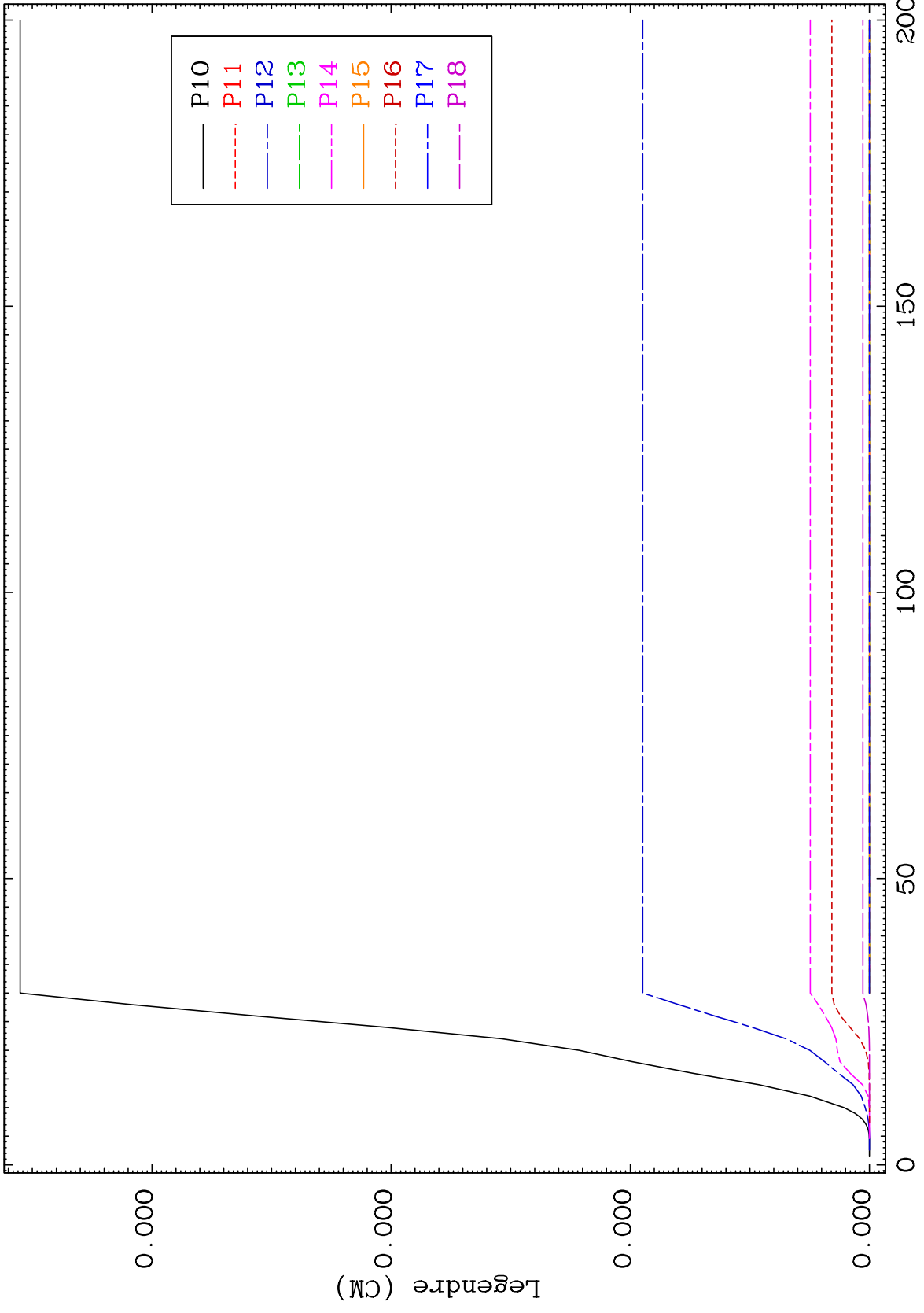


68 Incident Energy (MeV) 45-Rh-104

MAT 4528

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

45-Rh-104

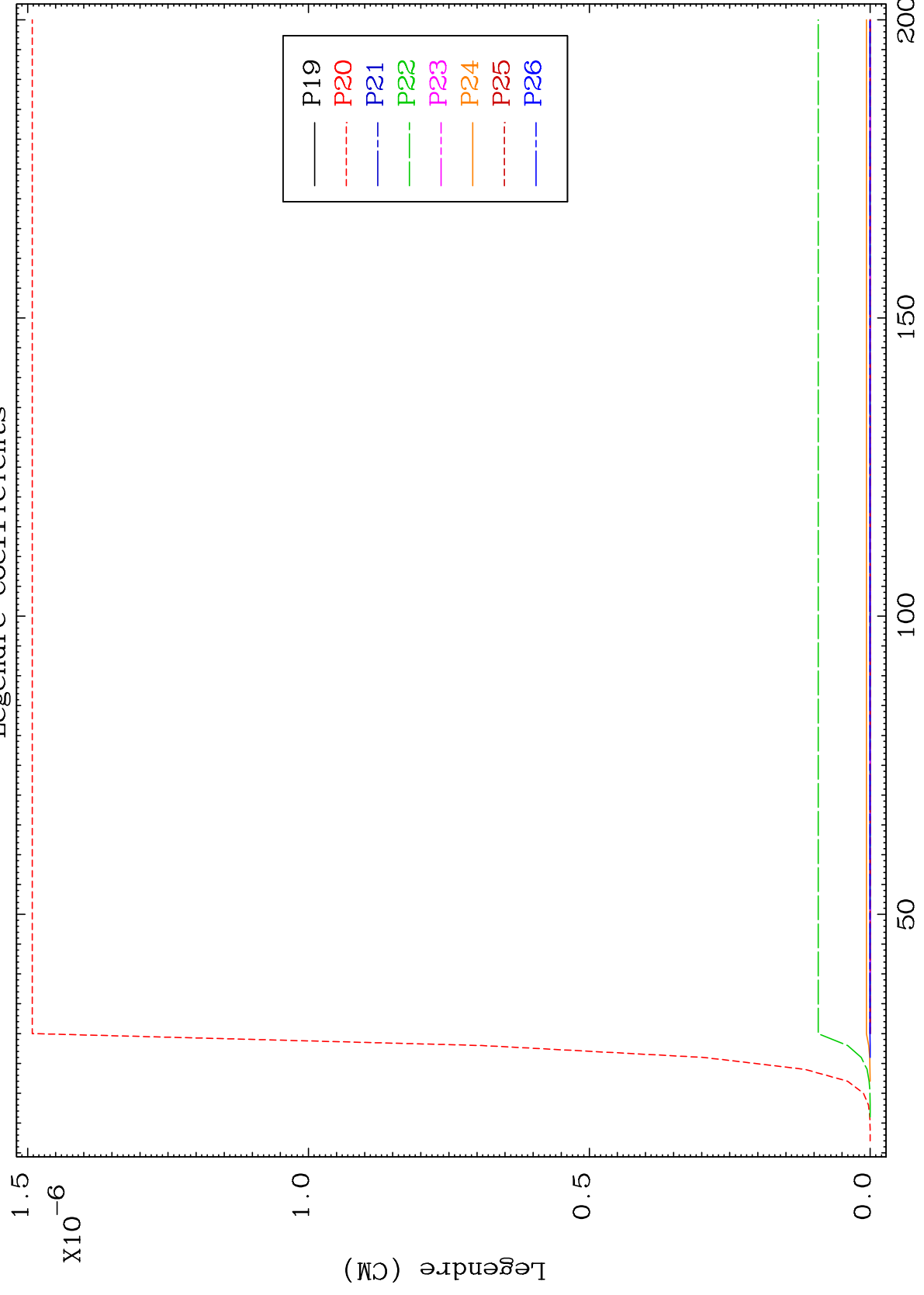


69

Incident Energy (MeV)

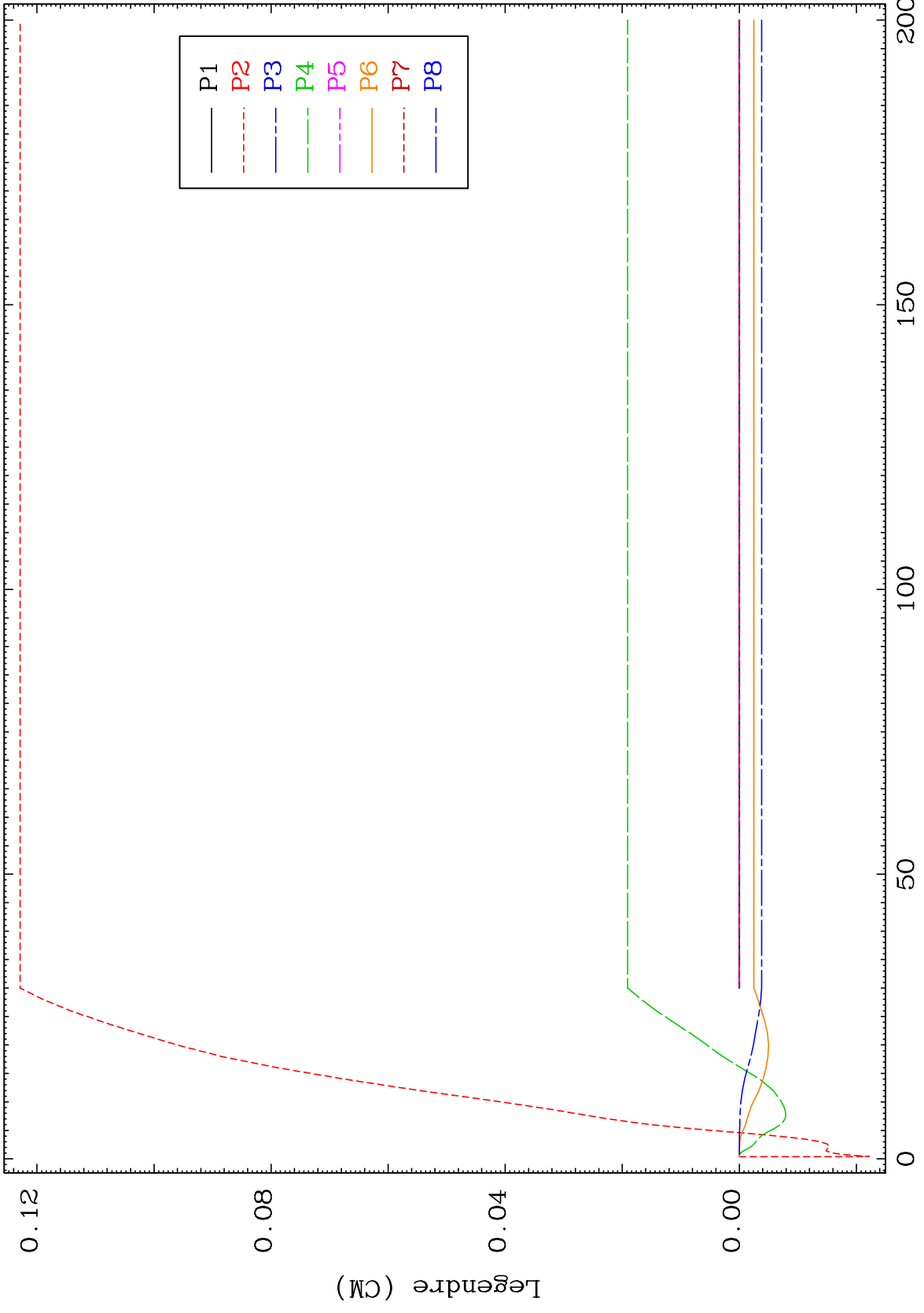
45-Rh-104

MAT 4528 MT= 65 (n,n') Level Legendre Coefficients 45-Rh-104



70 50 100 150 200 45-Rh-104

MAT 4528 MT= 66 (n,n') Level Legendre Coefficients 45-Rh-104

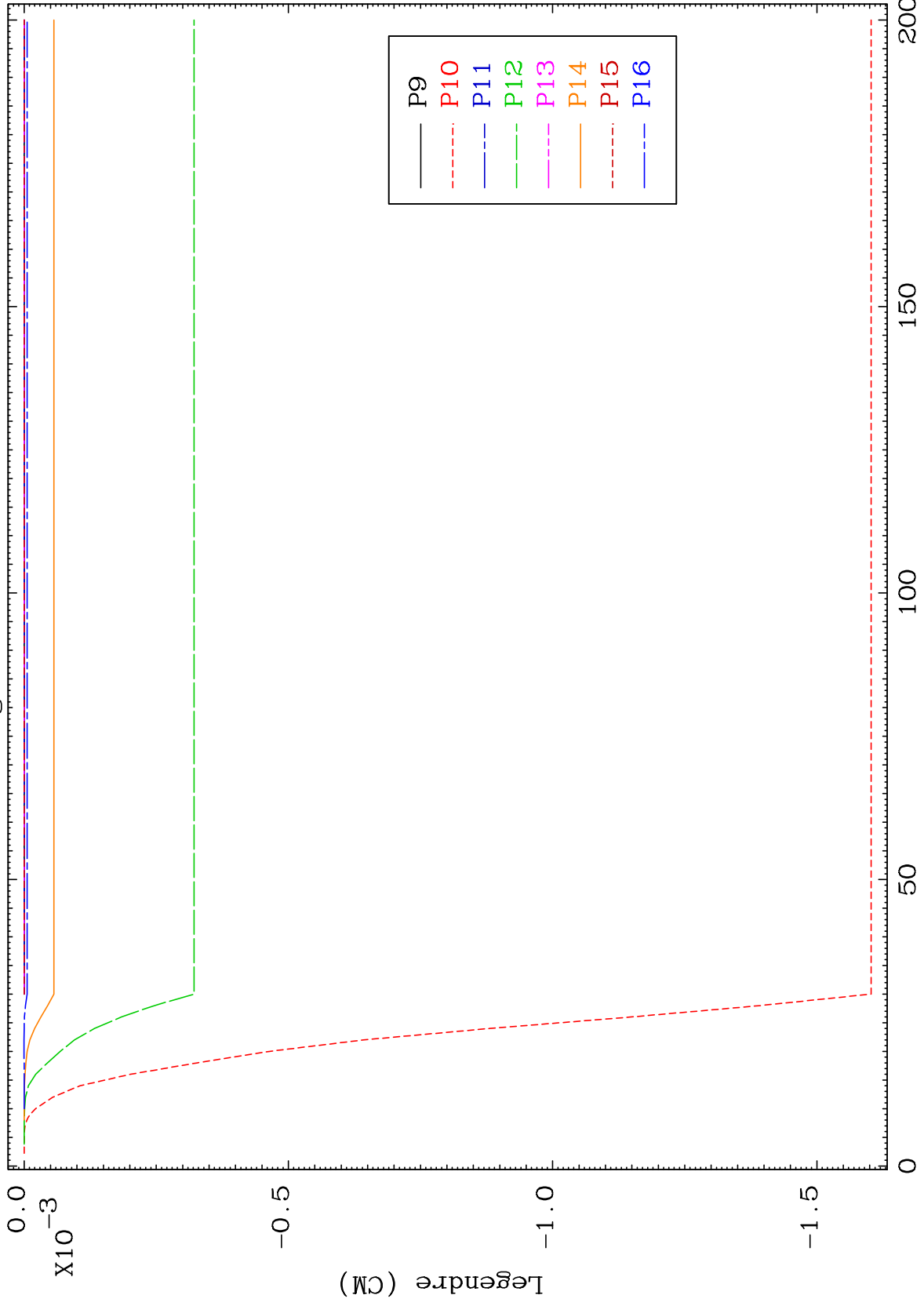


71 45-Rh-104

MAT 4528

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

45-Rh-104

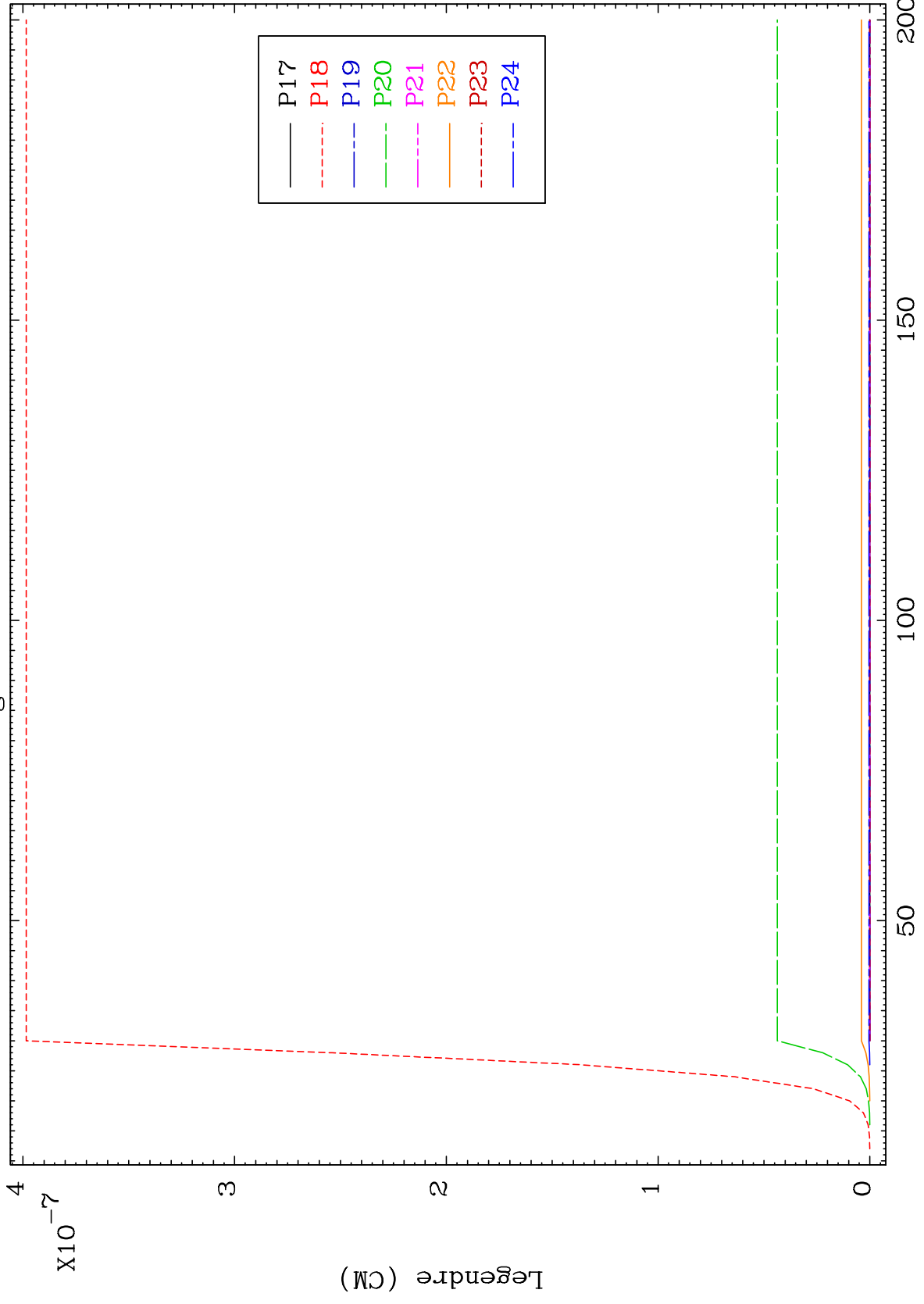


45-Rh-104

Incident Energy (MeV)

72

MAT 4528 MT= 66 (n,n') Level Legendre Coefficients 45-Rh-104

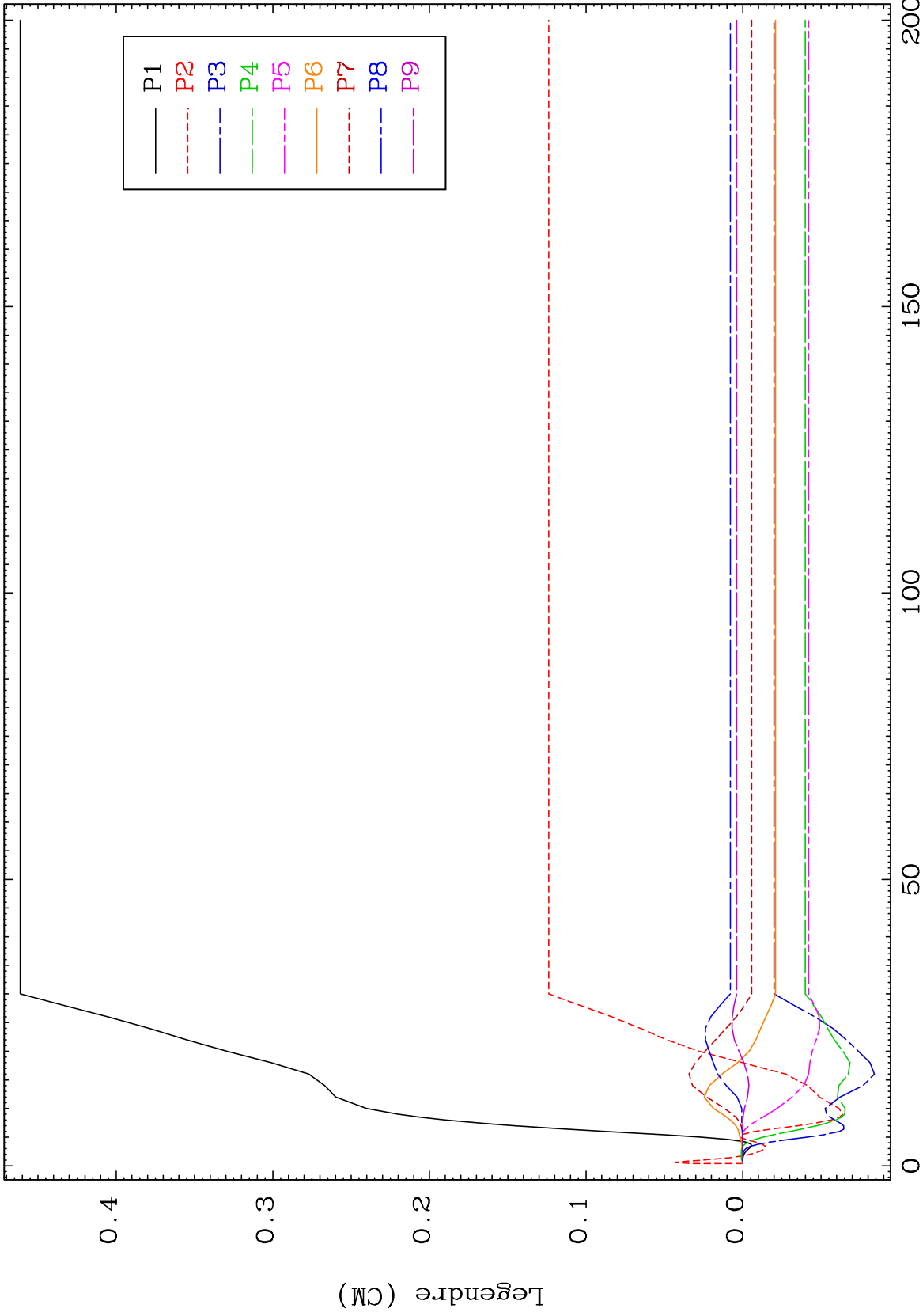


73 45-Rh-104

MAT 4528

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

45-Rh-104



74

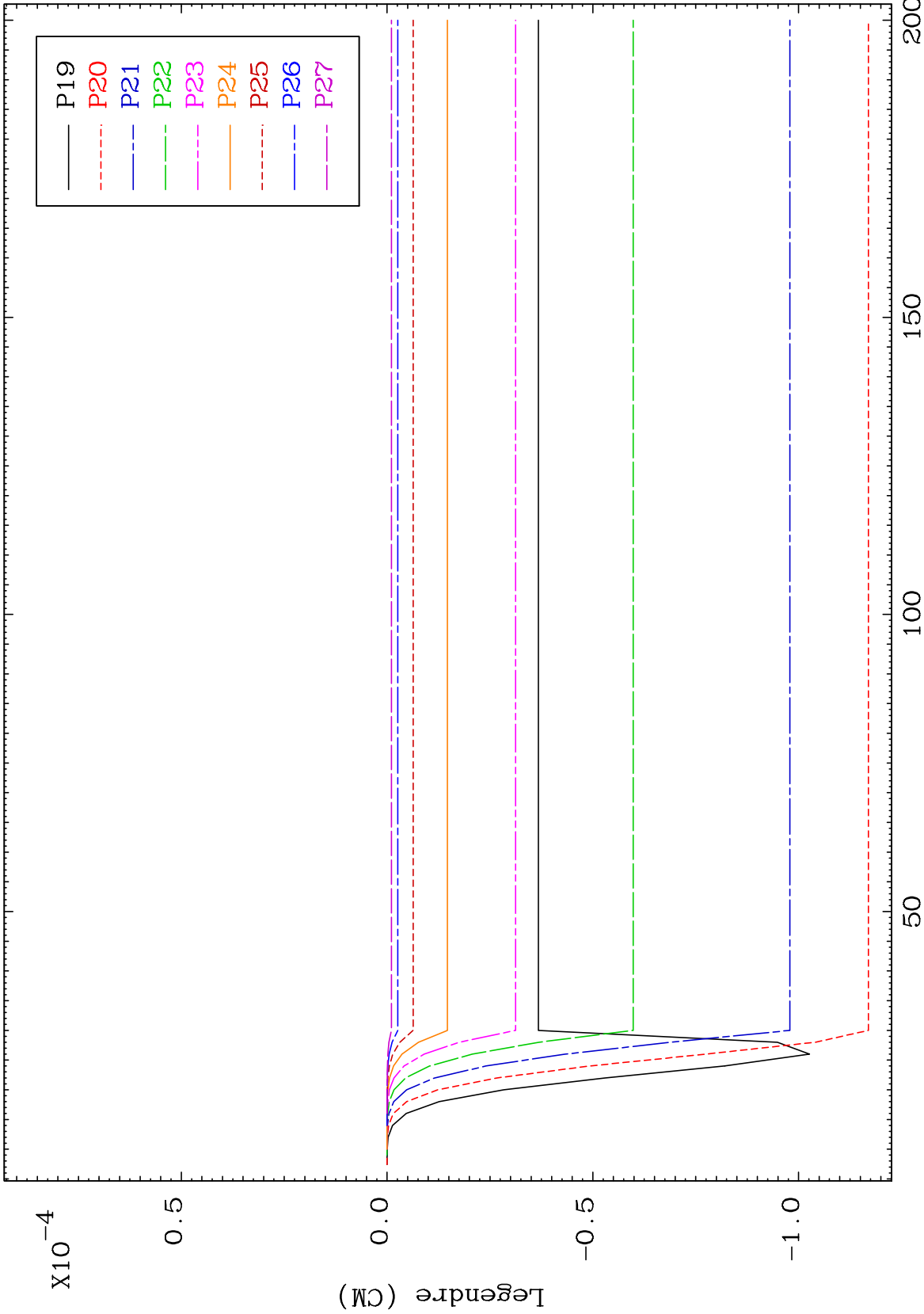
Incident Energy (MeV)

45-Rh-104

MAT 4528

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

45-Rh-104



76

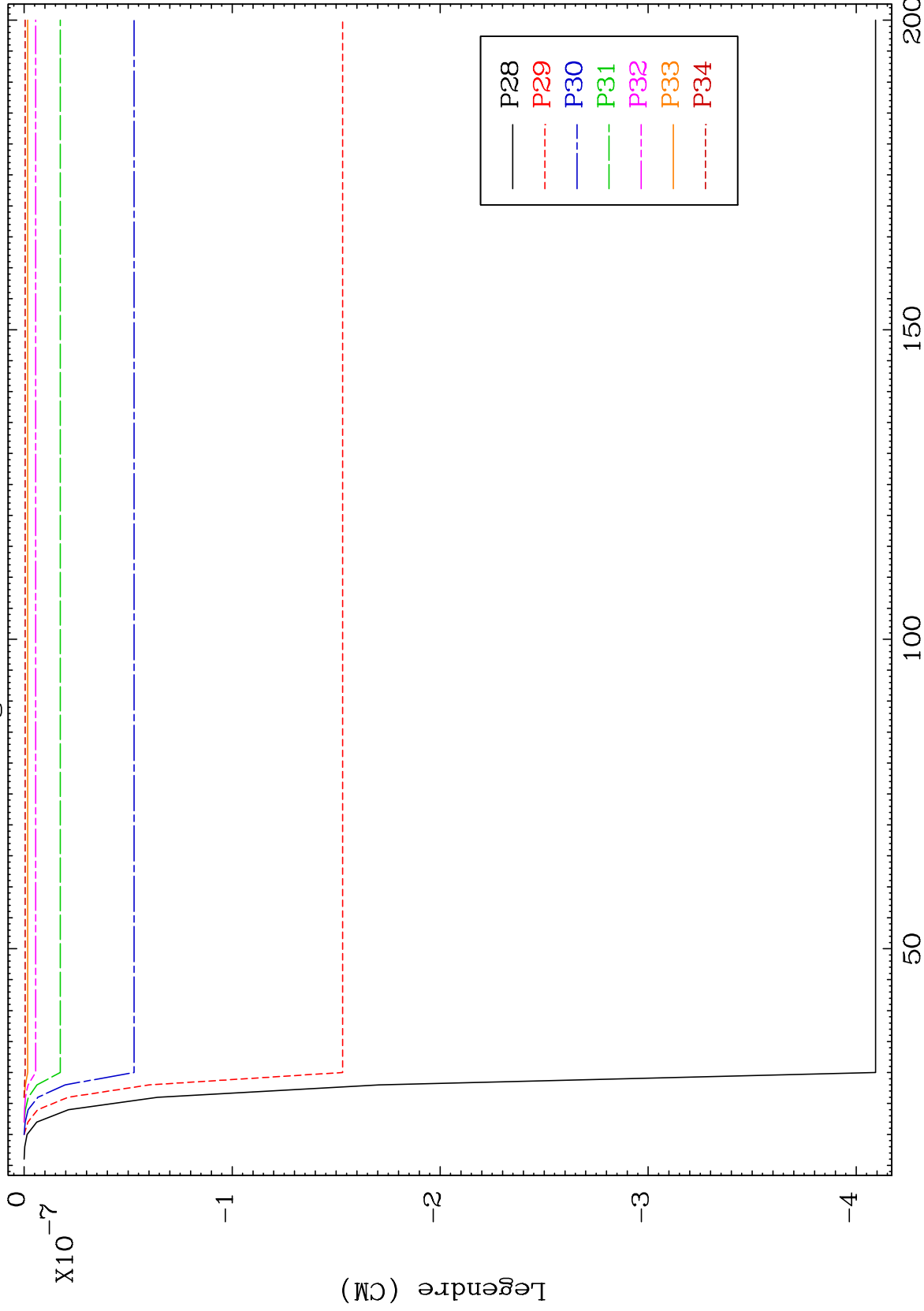
Incident Energy (MeV)

45-Rh-104

MAT 4528

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

45-Rh-104

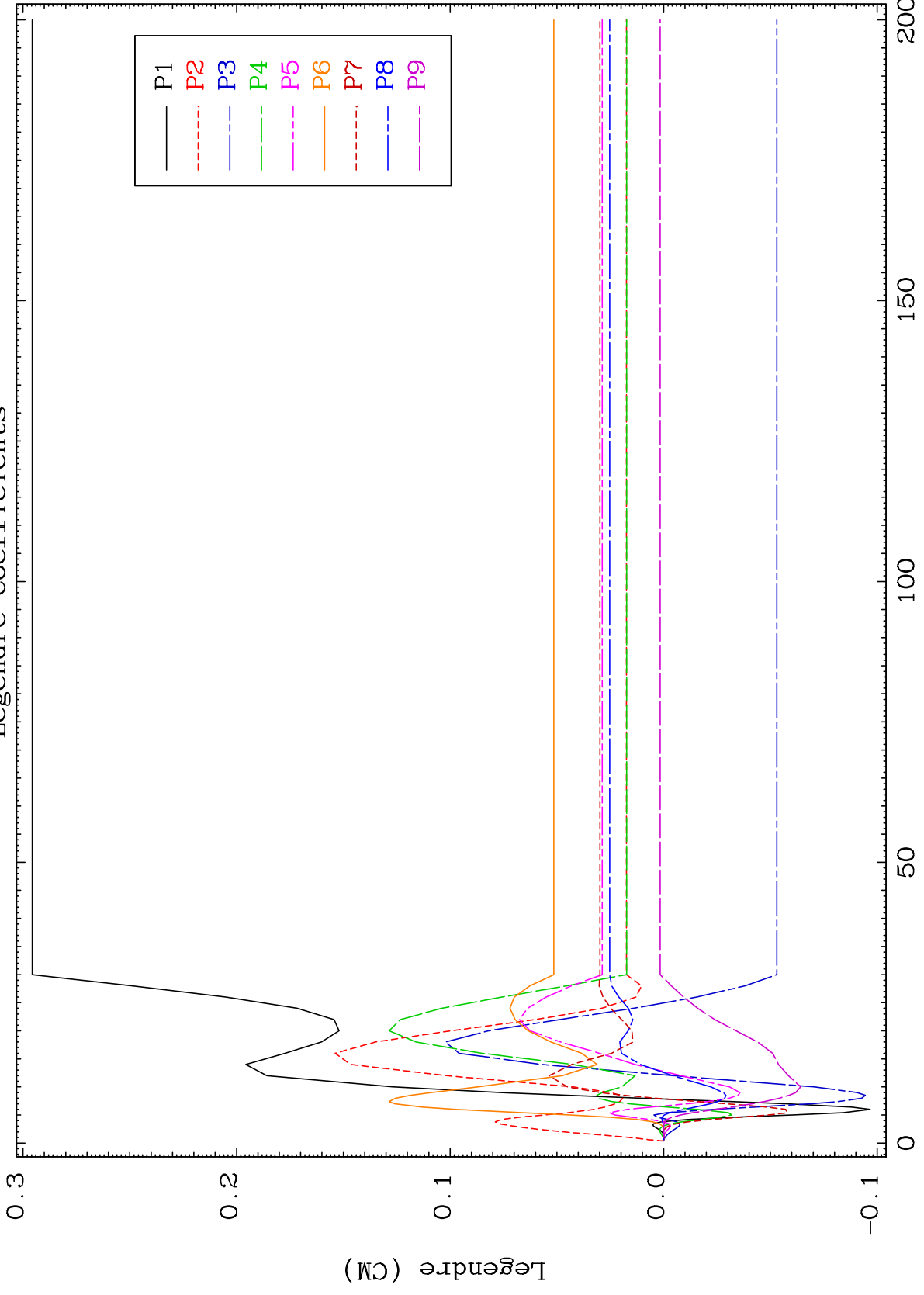


45-Rh-104

Incident Energy (MeV)

77

MAT 4528 MT= 68 (n,n') Level Legendre Coefficients 45-Rh-104

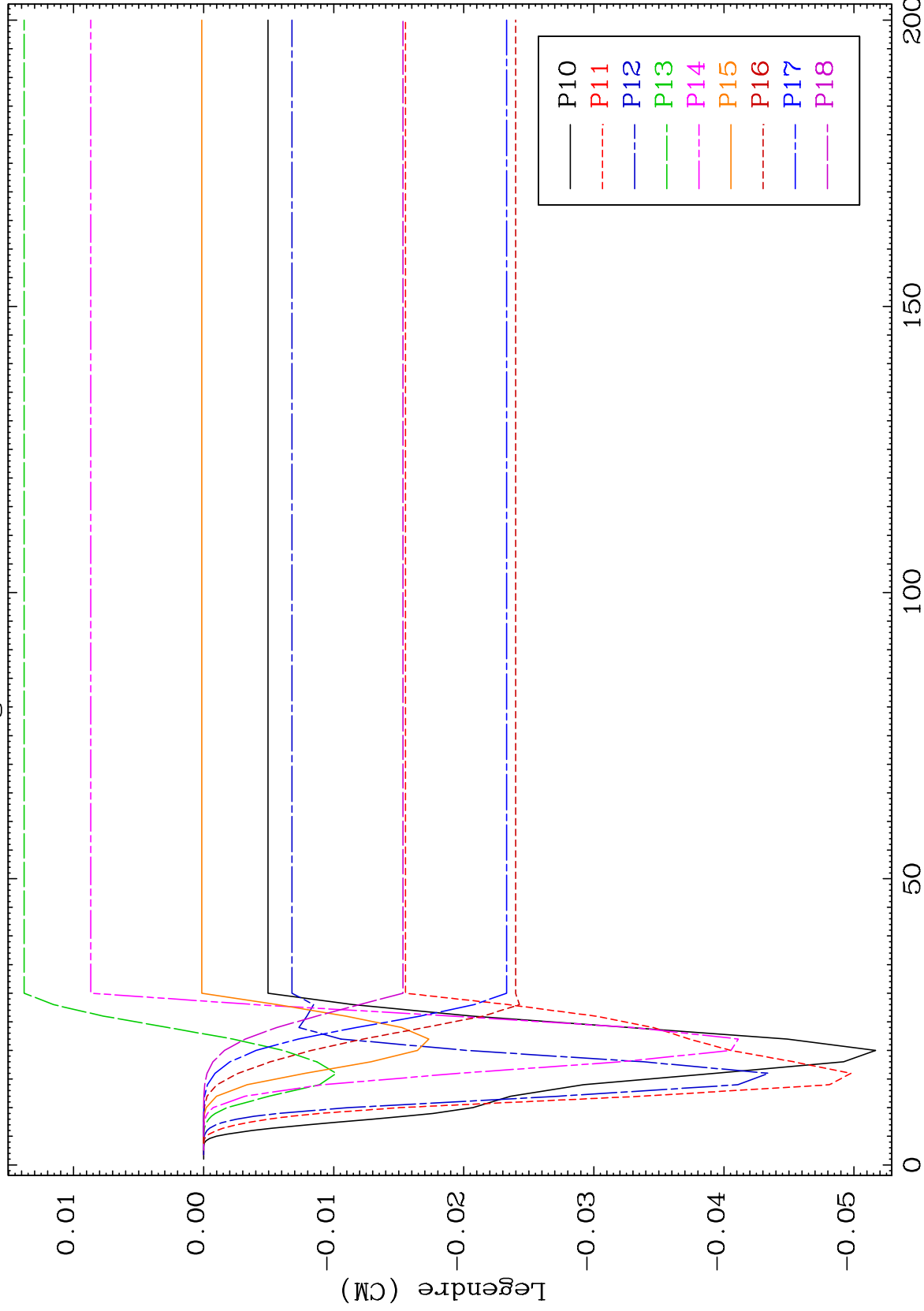


78 Incident Energy (MeV) 45-Rh-104

MAT 4528

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

45-Rh-104

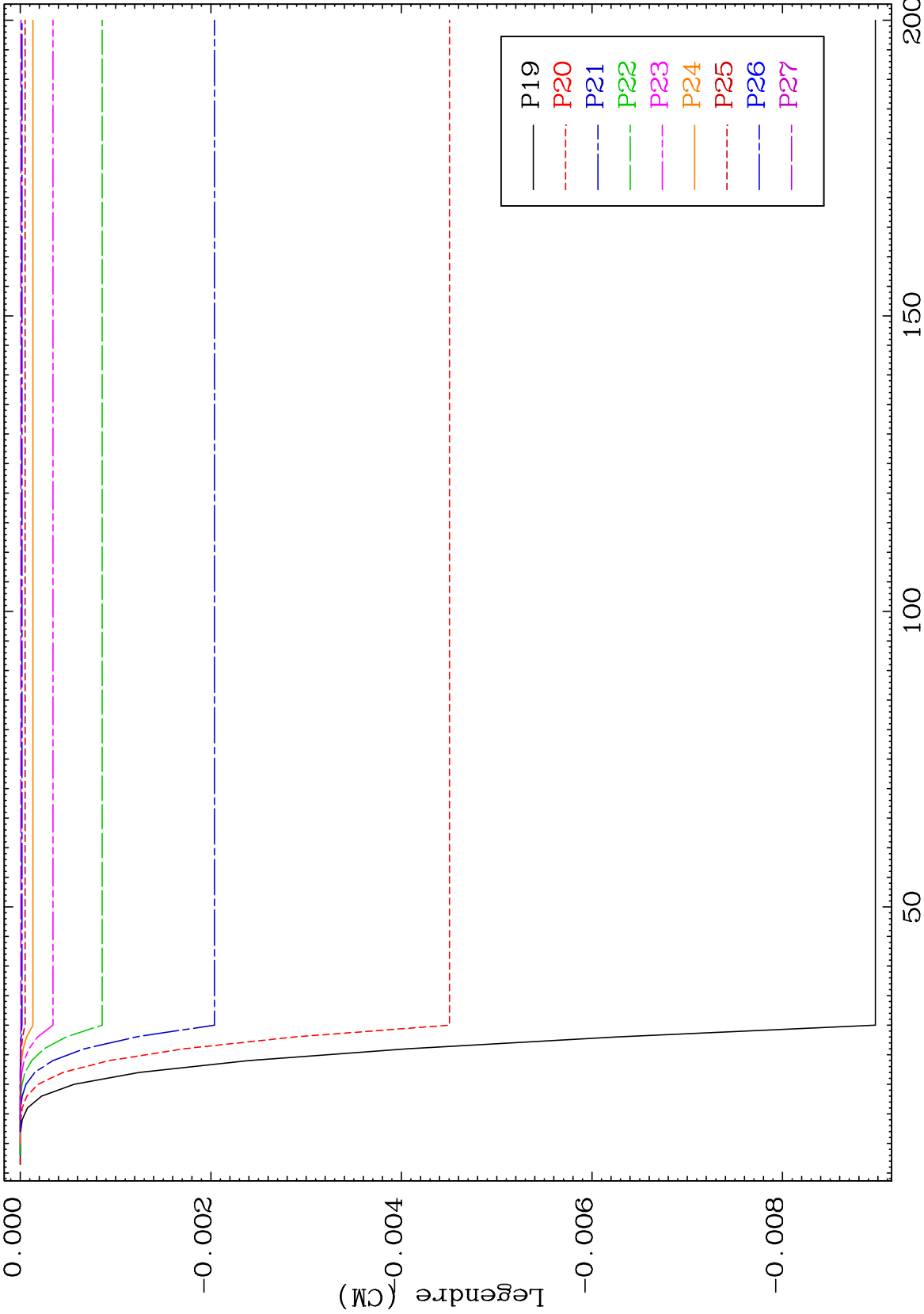


79

Incident Energy (MeV)

45-Rh-104

MAT 4528 MT= 68 (n,n') Level Legendre Coefficients 45-Rh-104

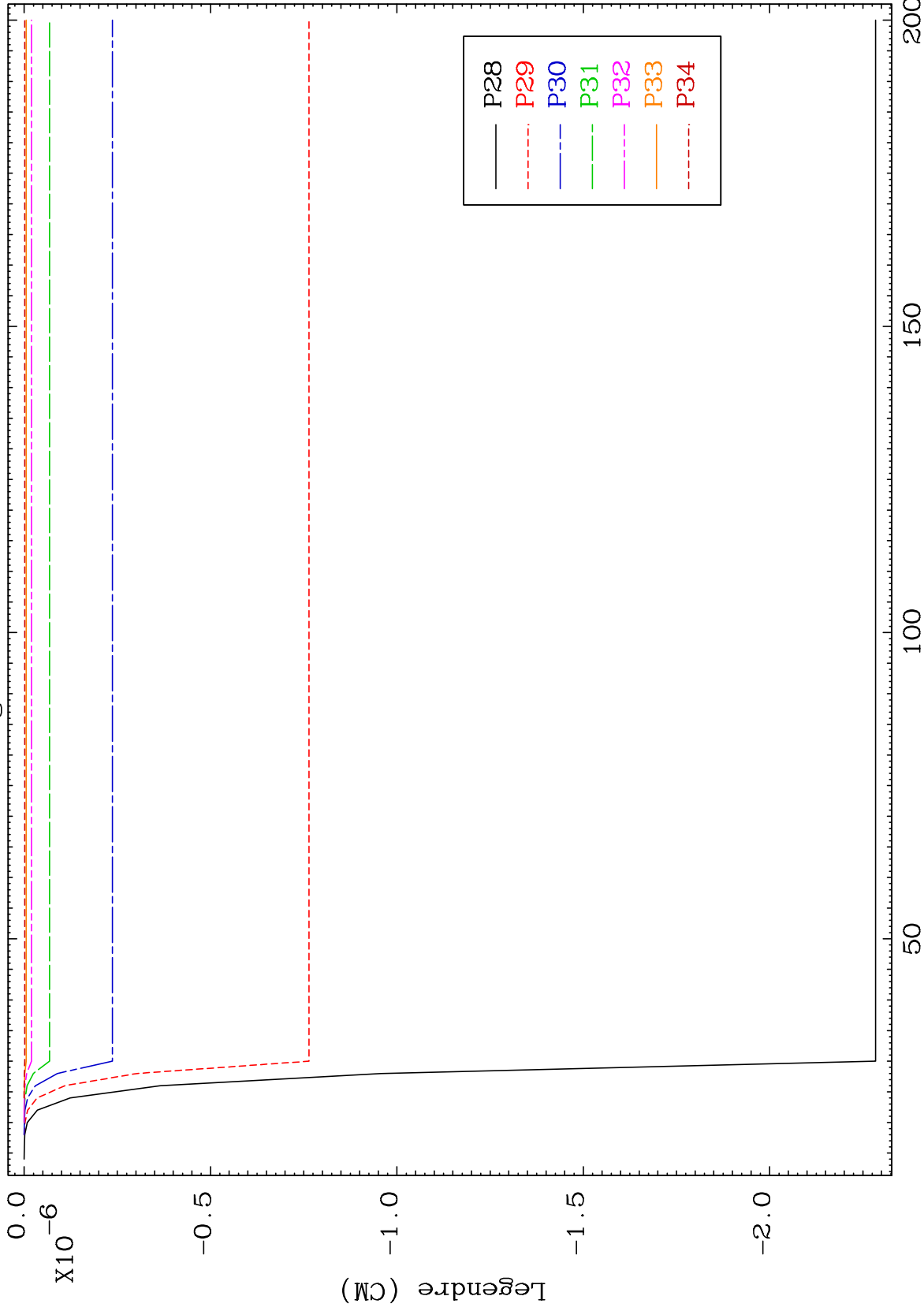


80 50 100 150 200 Incident Energy (MeV) 45-Rh-104

MAT 4528

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

45-Rh-104



45-Rh-104

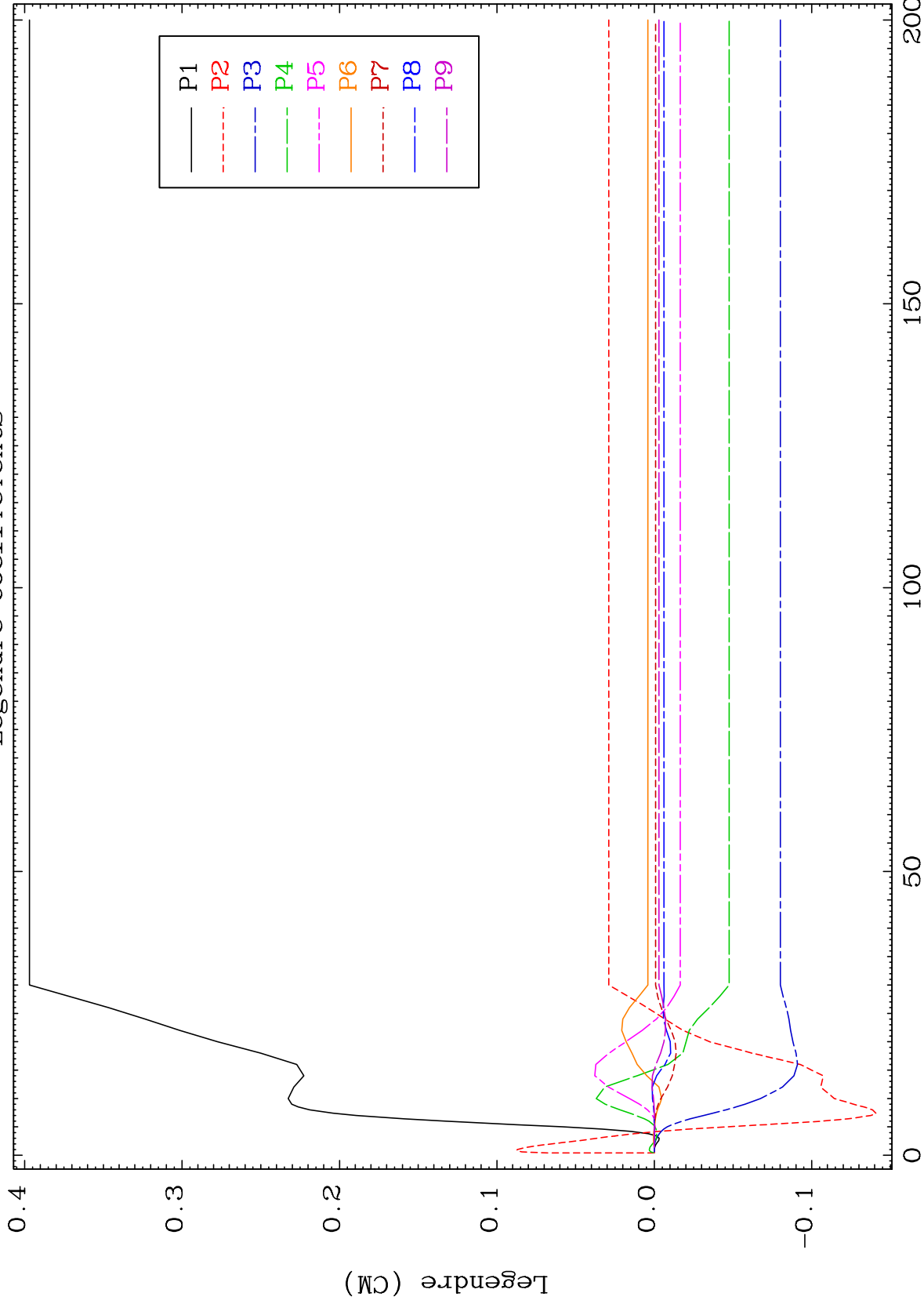
Incident Energy (MeV)

81

MAT 4528

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

45-Rh-104



82

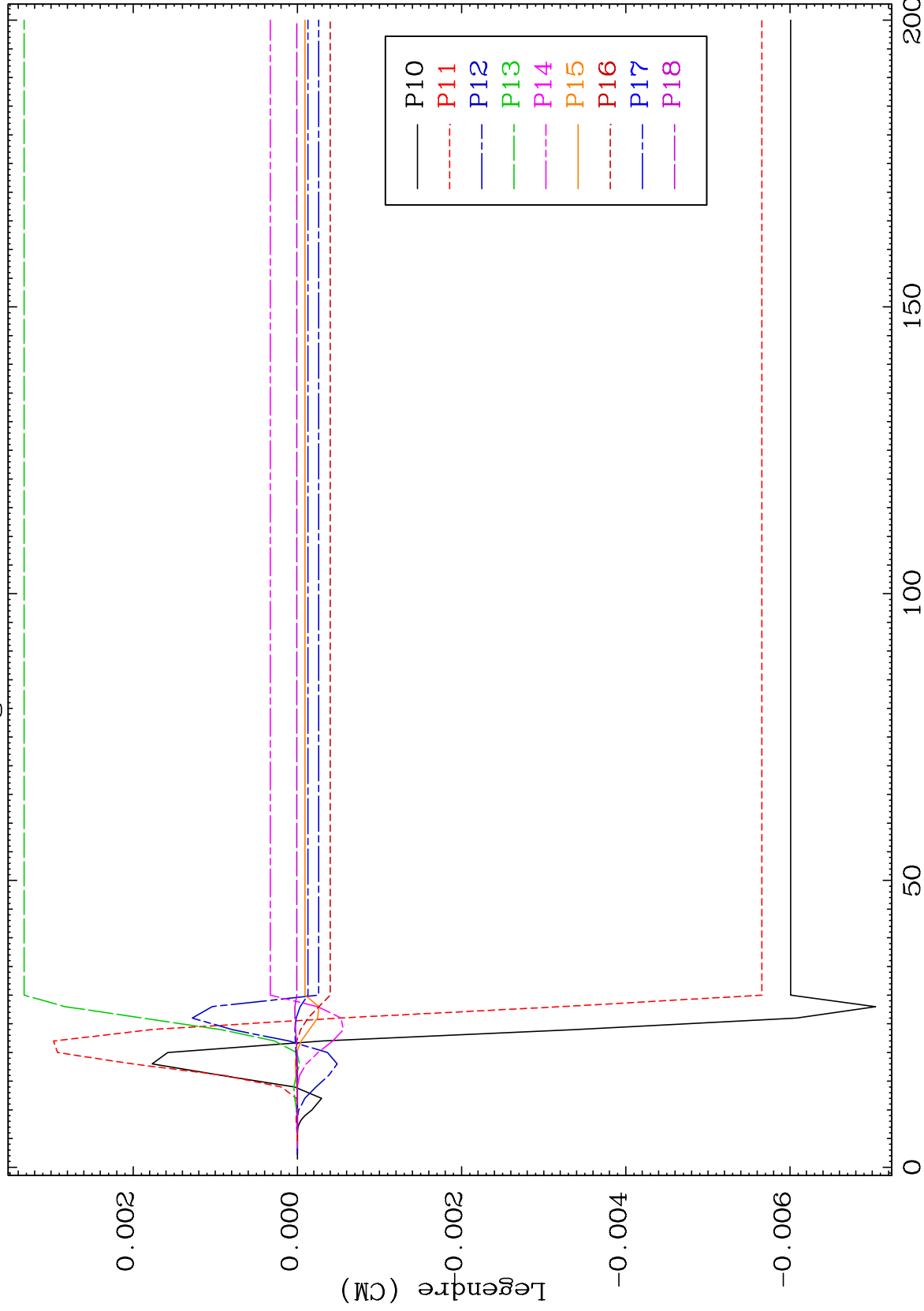
Incident Energy (MeV)

45-Rh-104

MAT 4528

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

45-Rh-104



83

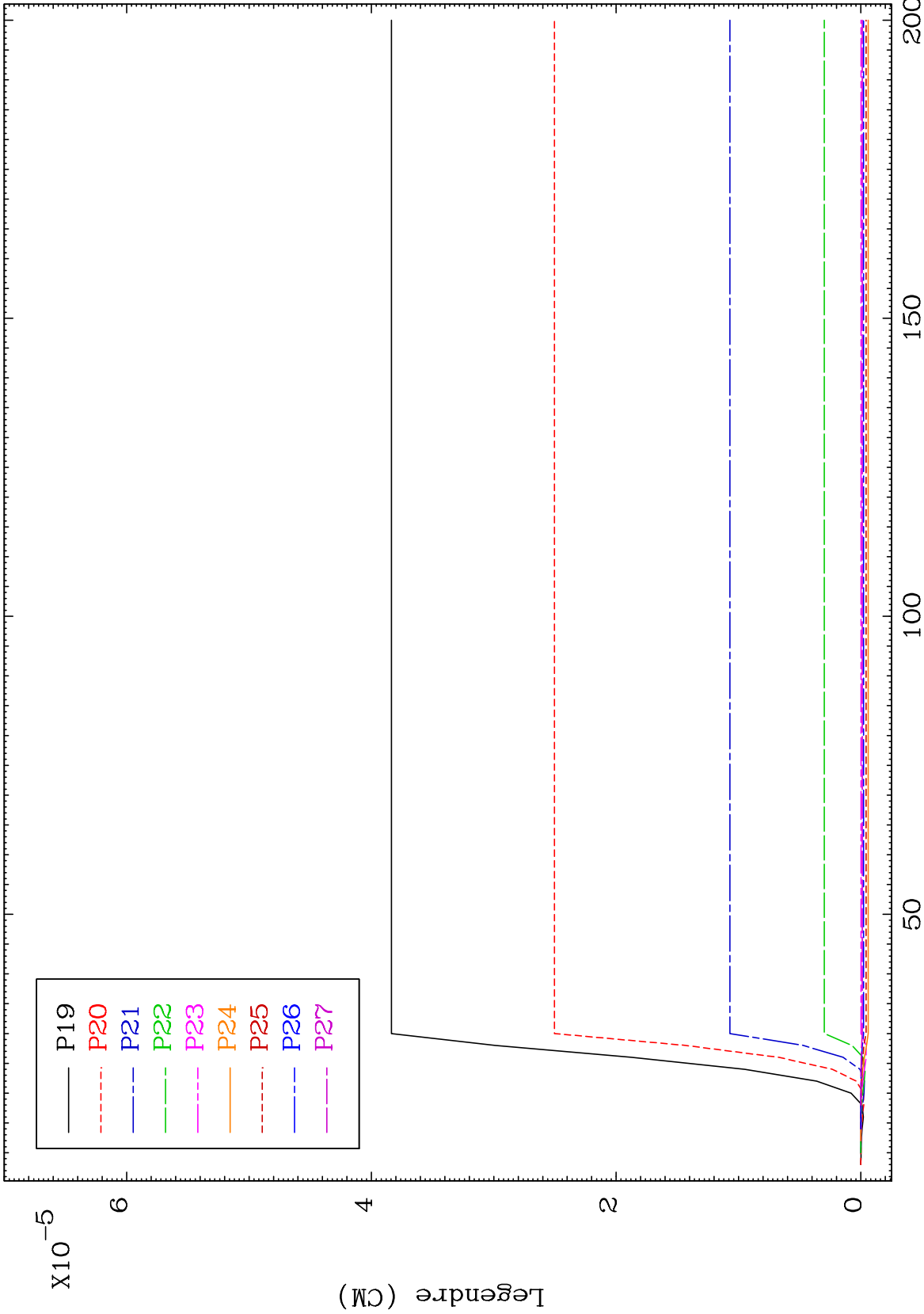
Incident Energy (MeV)

45-Rh-104

MAT 4528

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

45-Rh-104



84

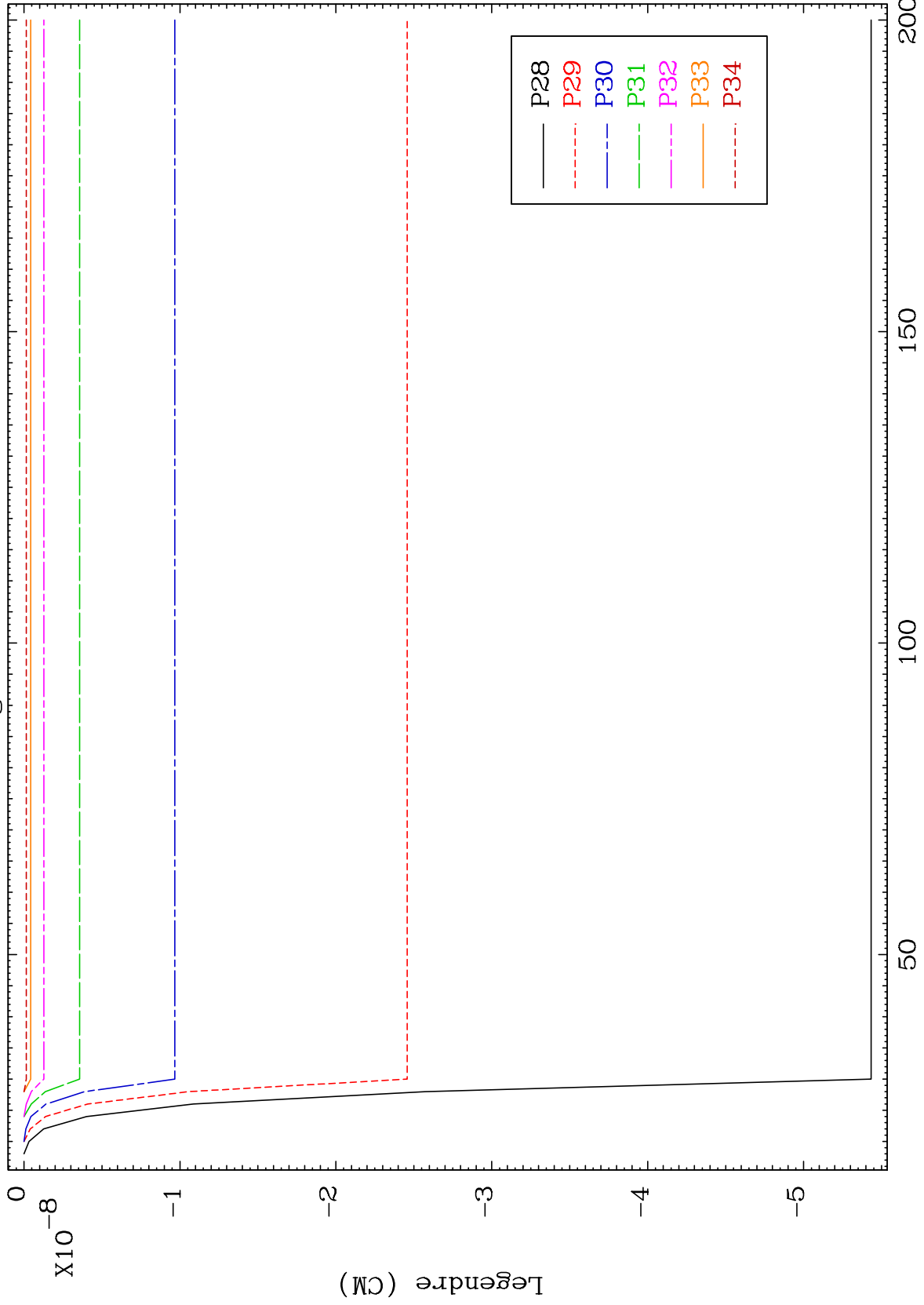
Incident Energy (MeV)

45-Rh-104

MAT 4528

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

45-Rh-104

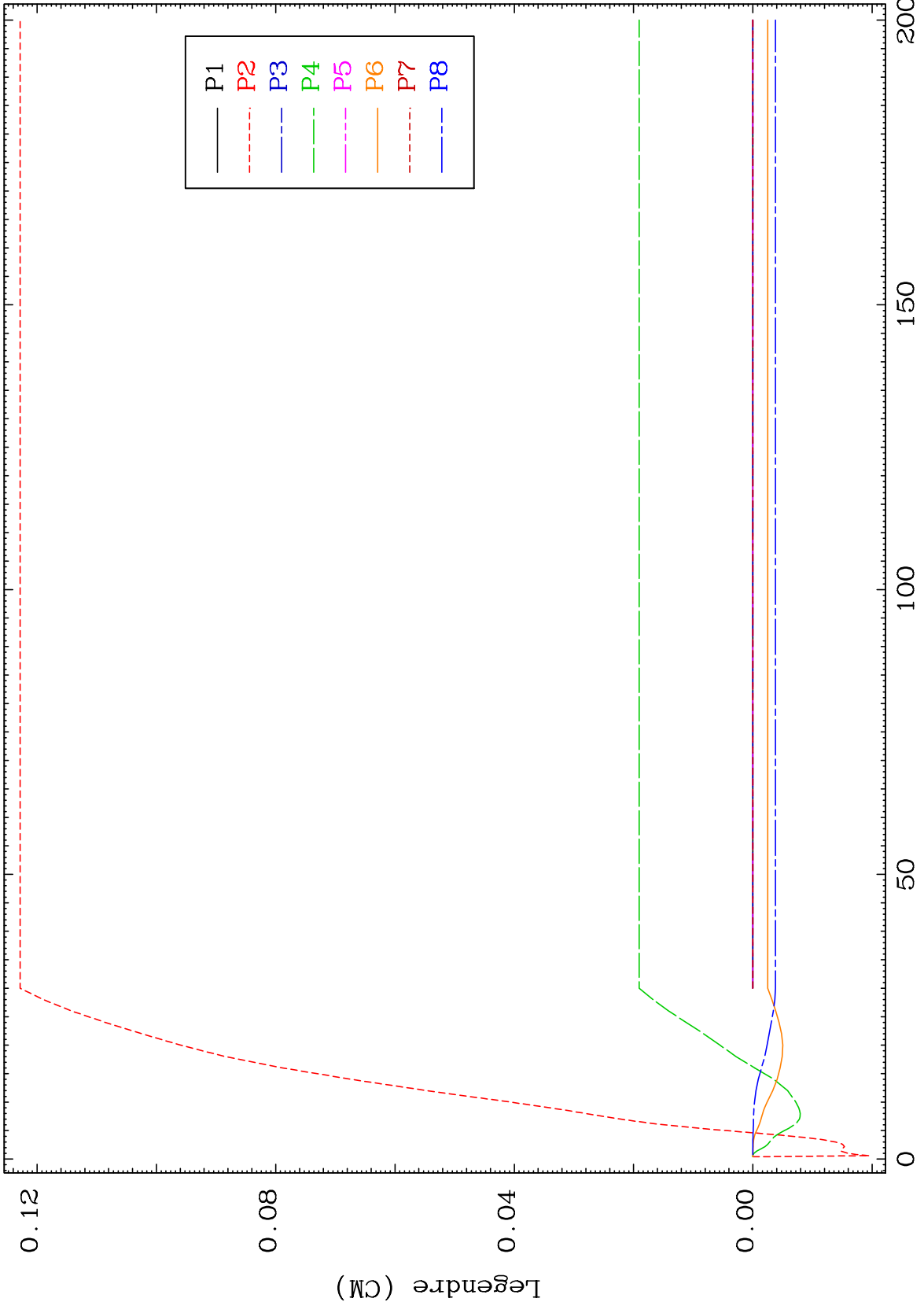


85

Incident Energy (MeV)

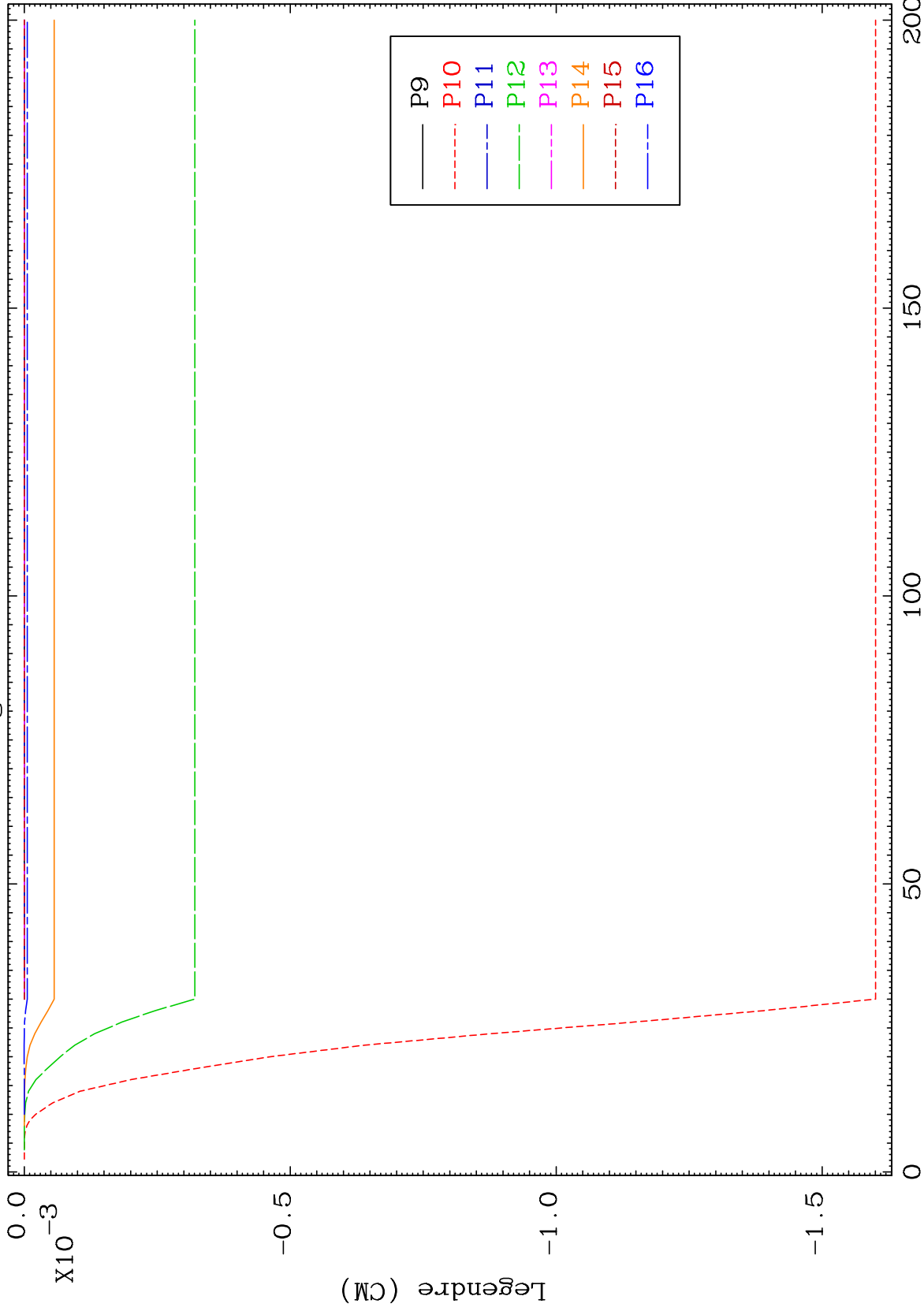
45-Rh-104

MAT 4528 MT= 70 (n,n') Level Legendre Coefficients 45-Rh-104



86 Incident Energy (MeV) 45-Rh-104

MAT 4528 MT= 70 (n,n') Level Legendre Coefficients 45-Rh-104

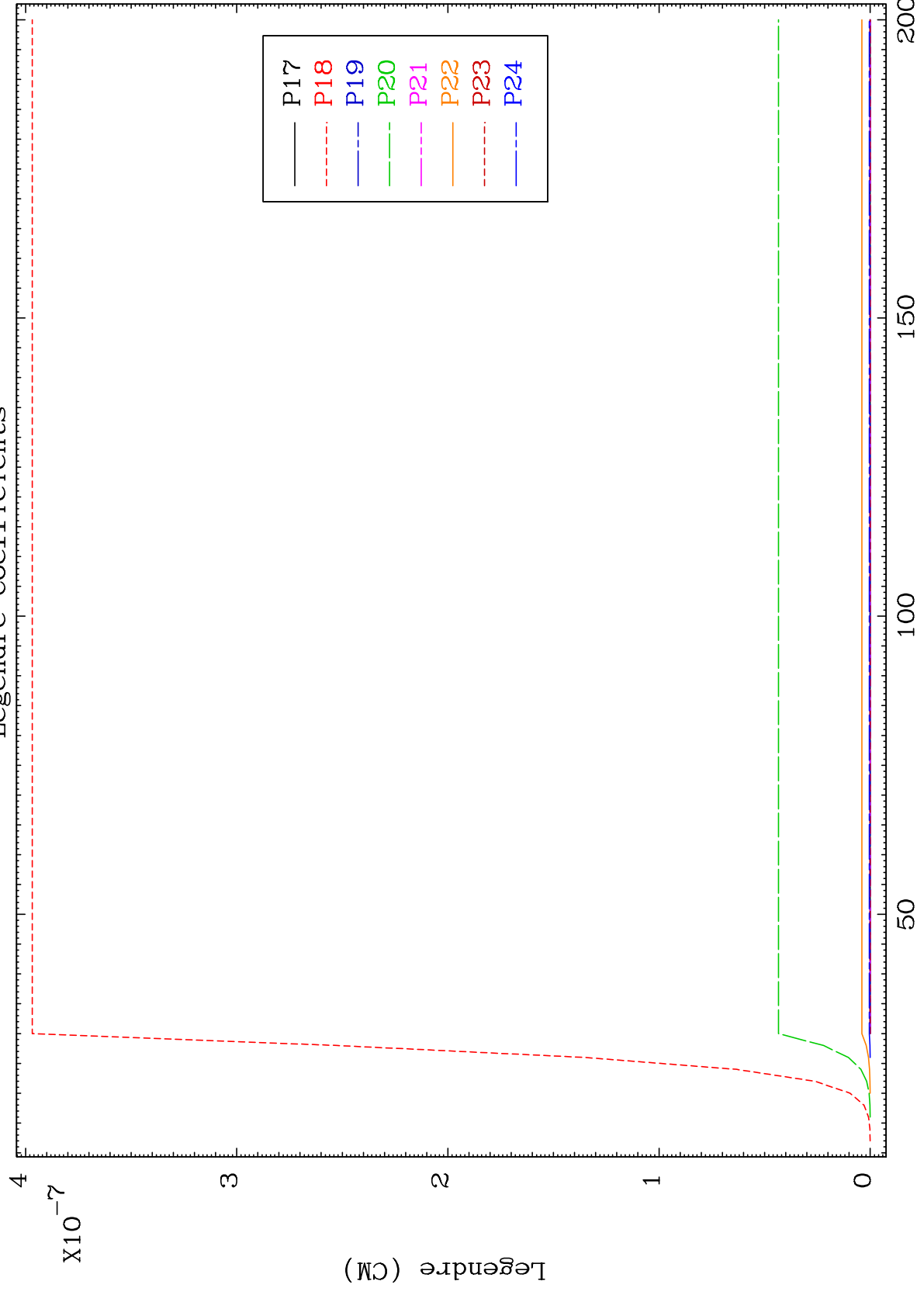


87

Incident Energy (MeV)

45-Rh-104

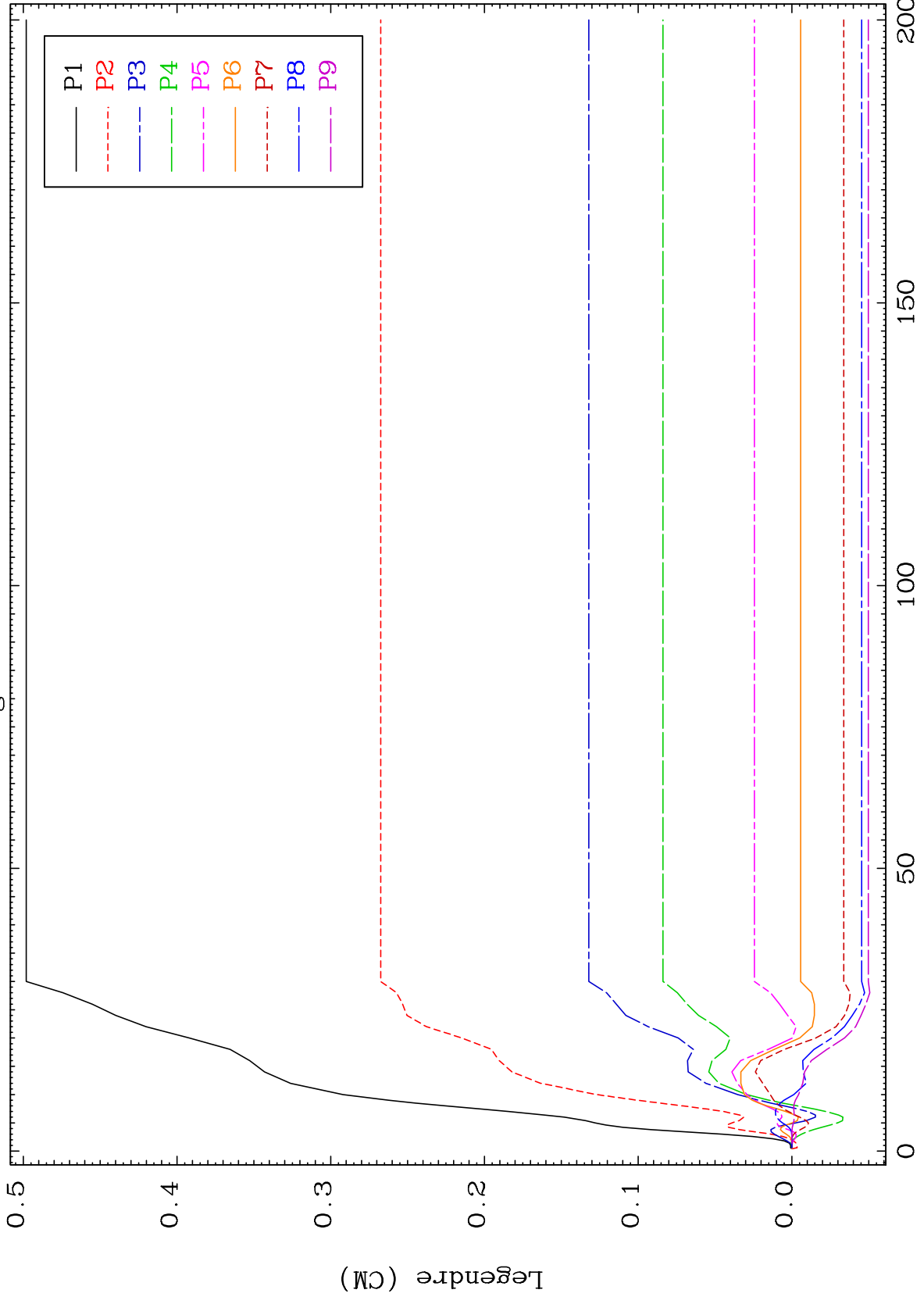
MAT 4528 MT= 70 (n,n') Level Legendre Coefficients 45-Rh-104



MAT 4528

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

45-Rh-104



89

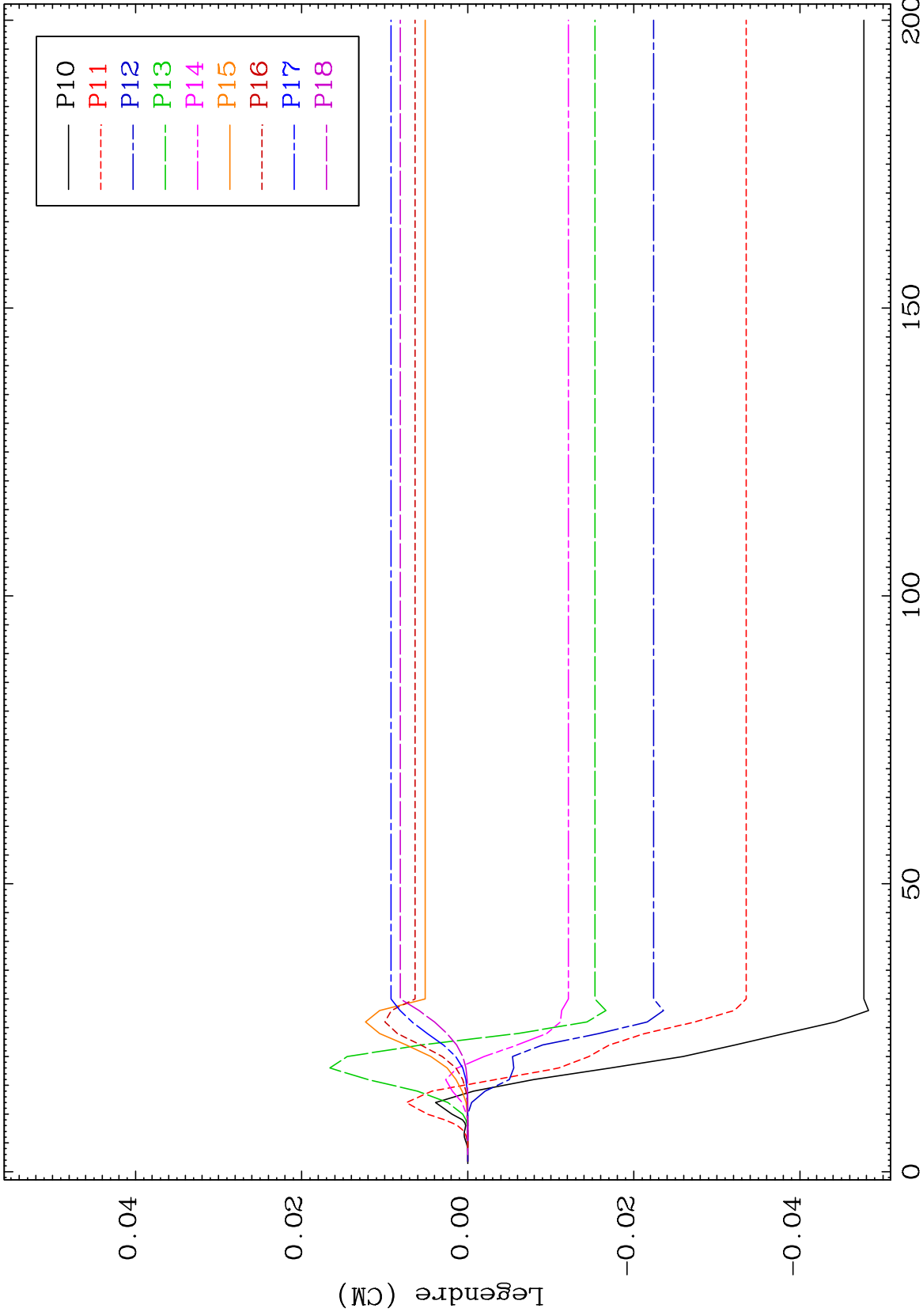
Incident Energy (MeV)

45-Rh-104

MAT 4528

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

45-Rh-104



90

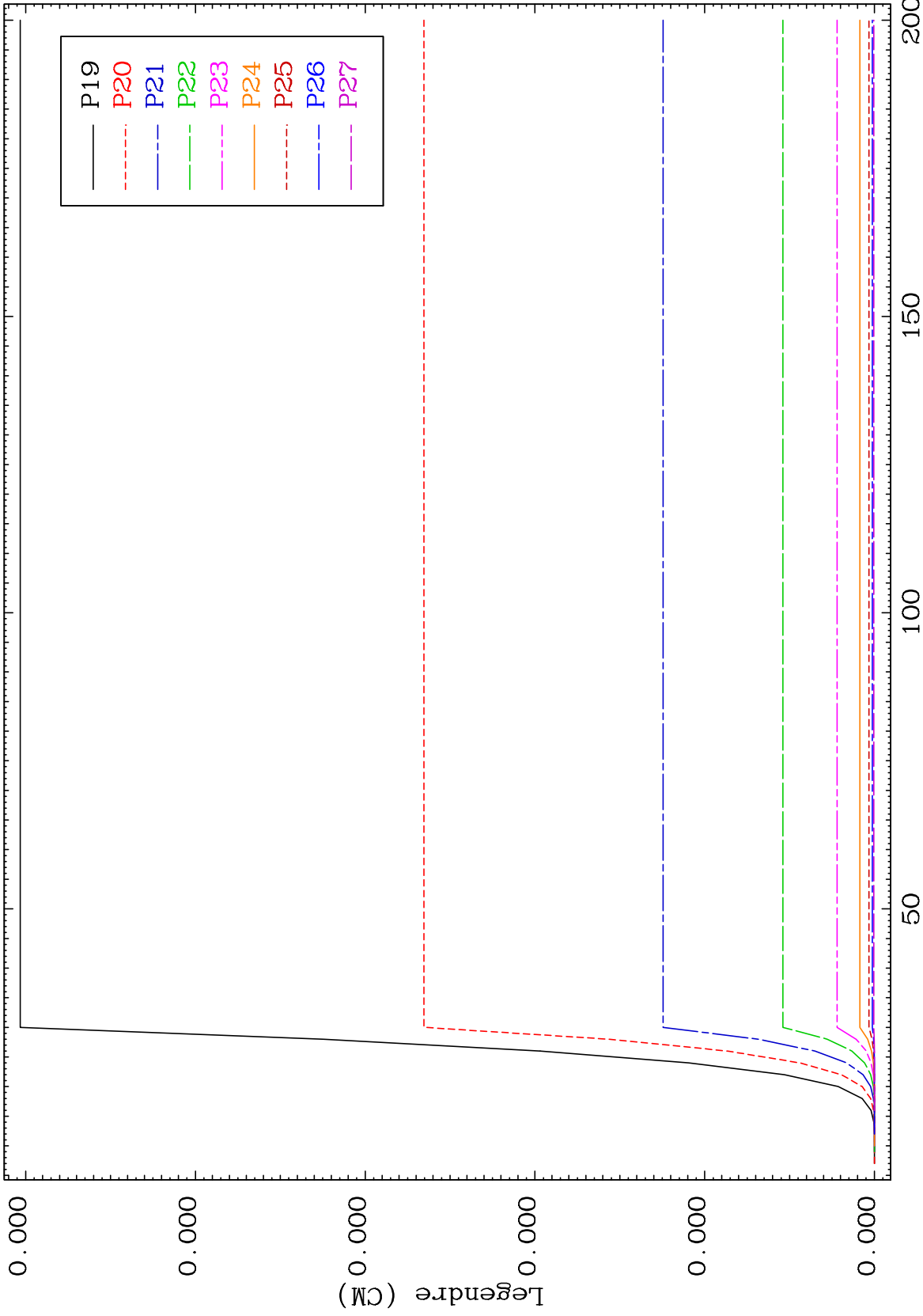
Incident Energy (MeV)

45-Rh-104

MAT 4528

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

45-Rh-104



91

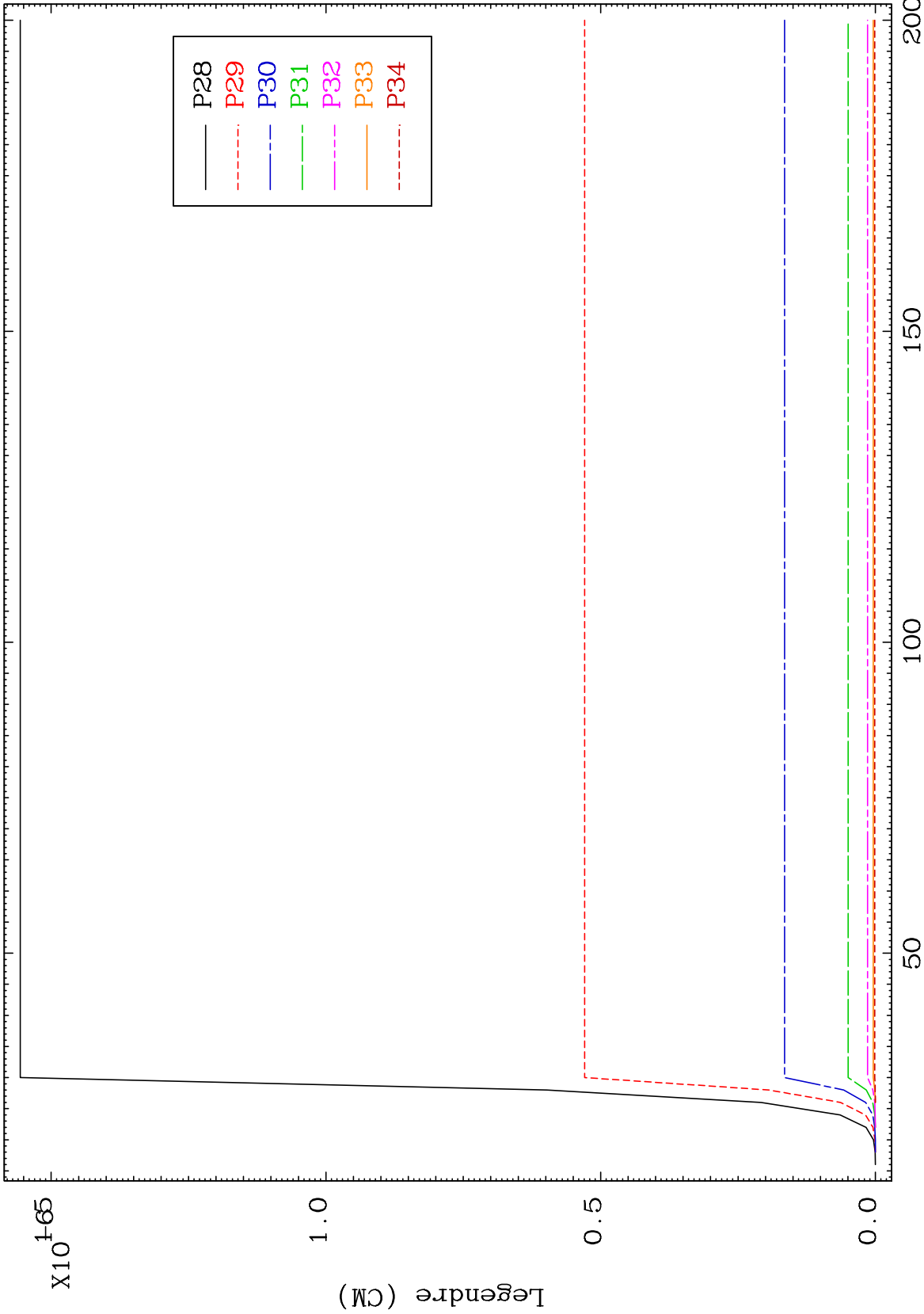
Incident Energy (MeV)

45-Rh-104

MAT 4528

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

45-Rh-104



92

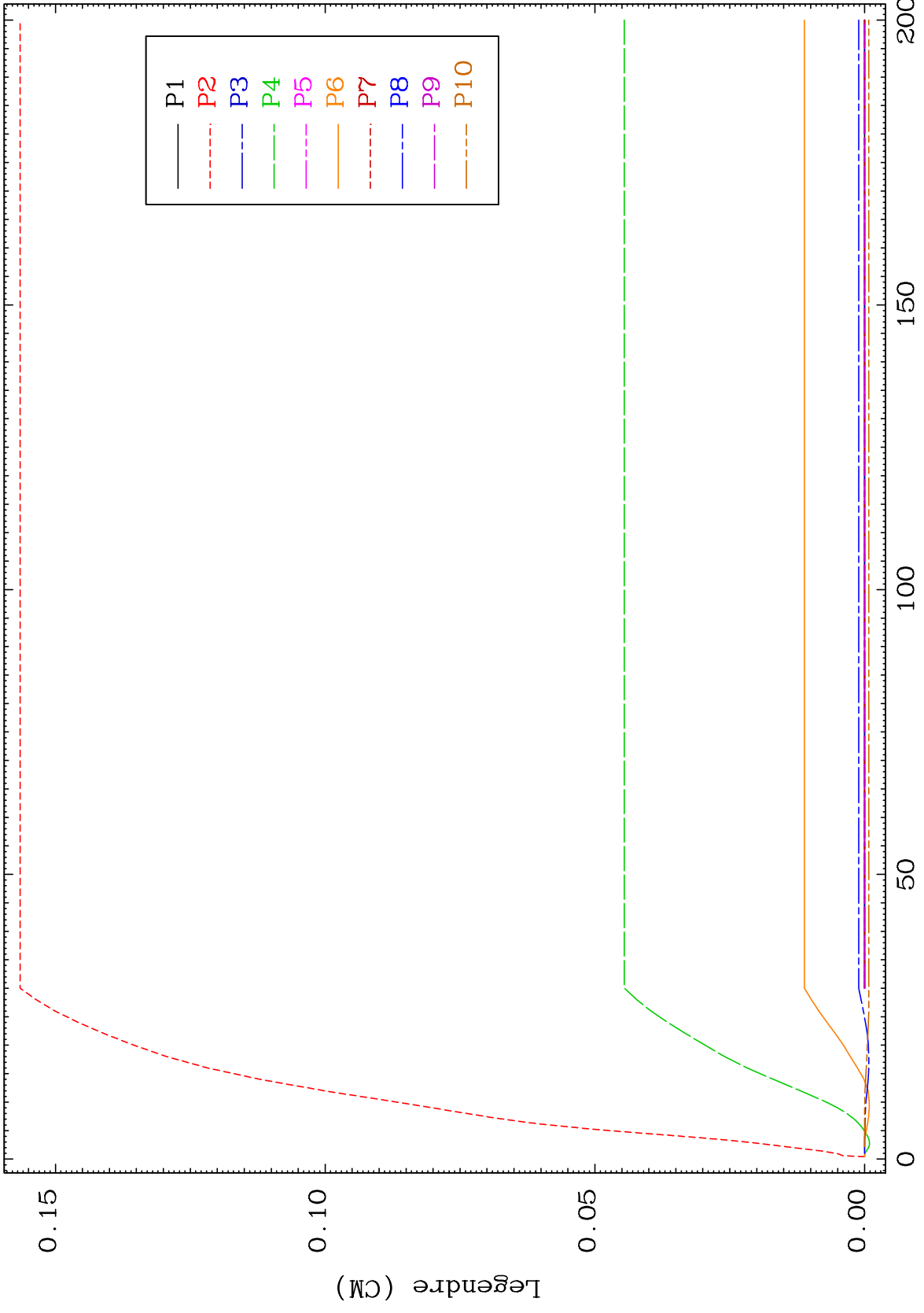
Incident Energy (MeV)

45-Rh-104

MAT 4528

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

45-Rh-104

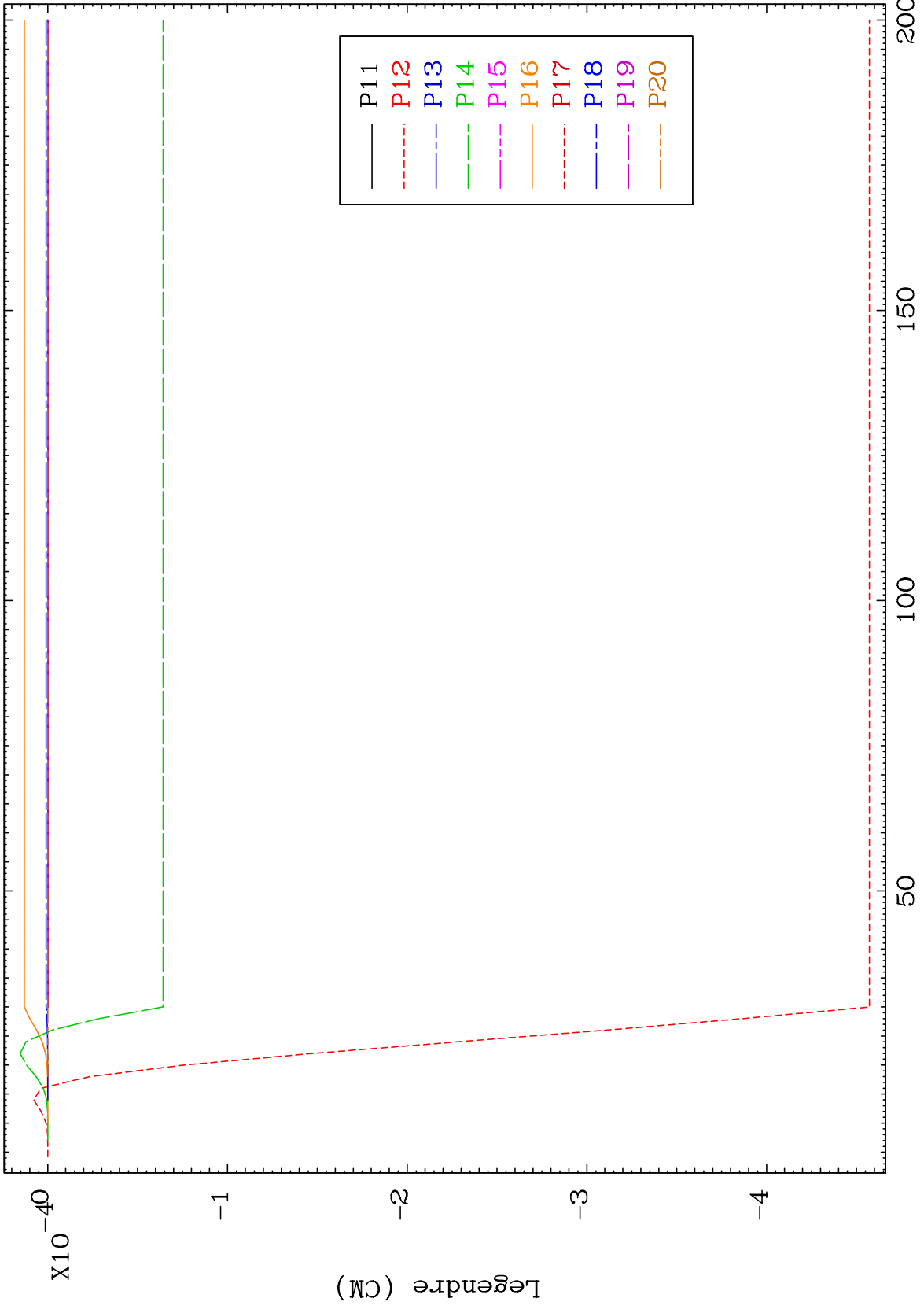


93

Incident Energy (MeV)

45-Rh-104

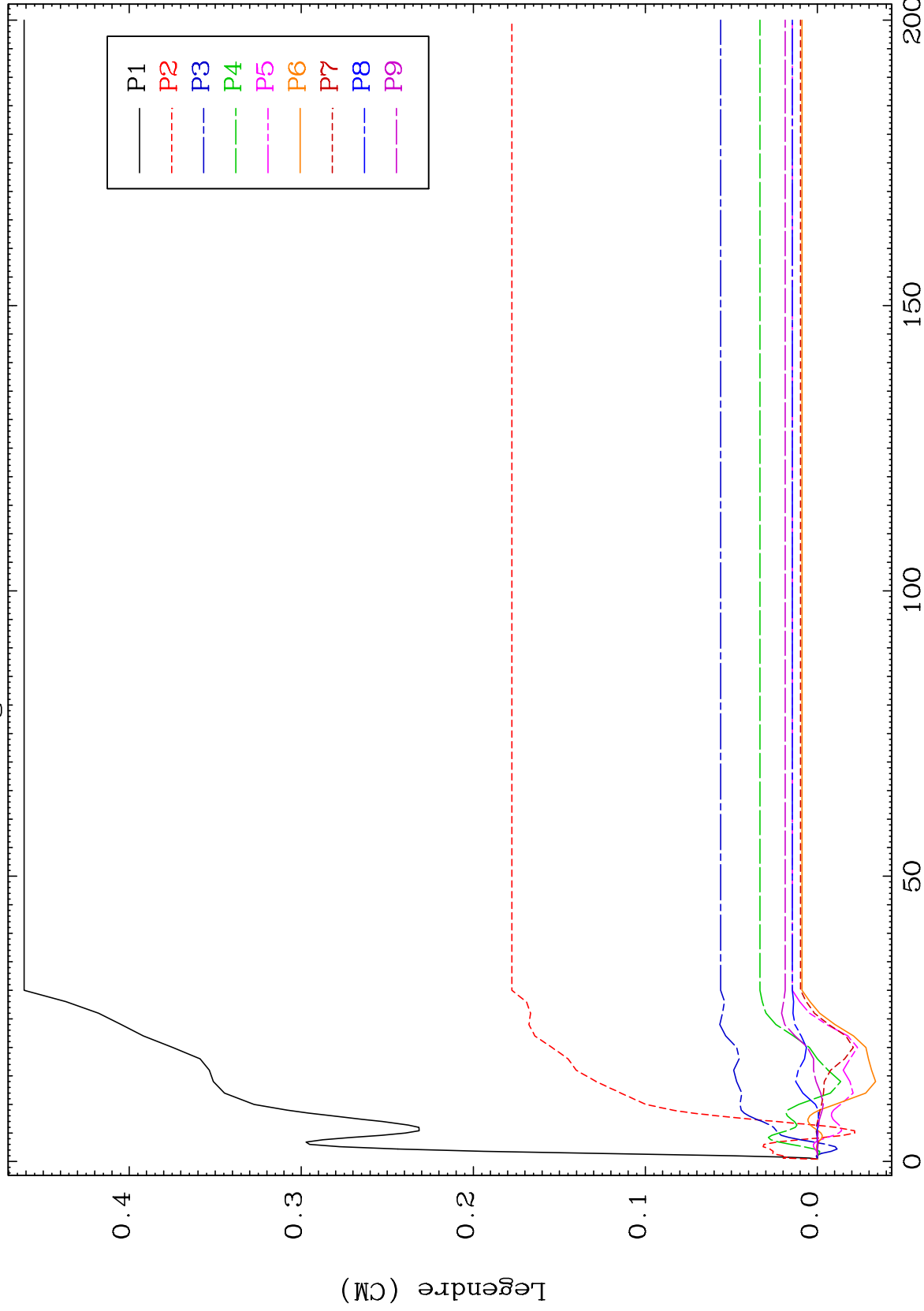
MAT 4528 MT= 72 (n,n') Level Legendre Coefficients 45-Rh-104



MAT 4528

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

45-Rh-104



95

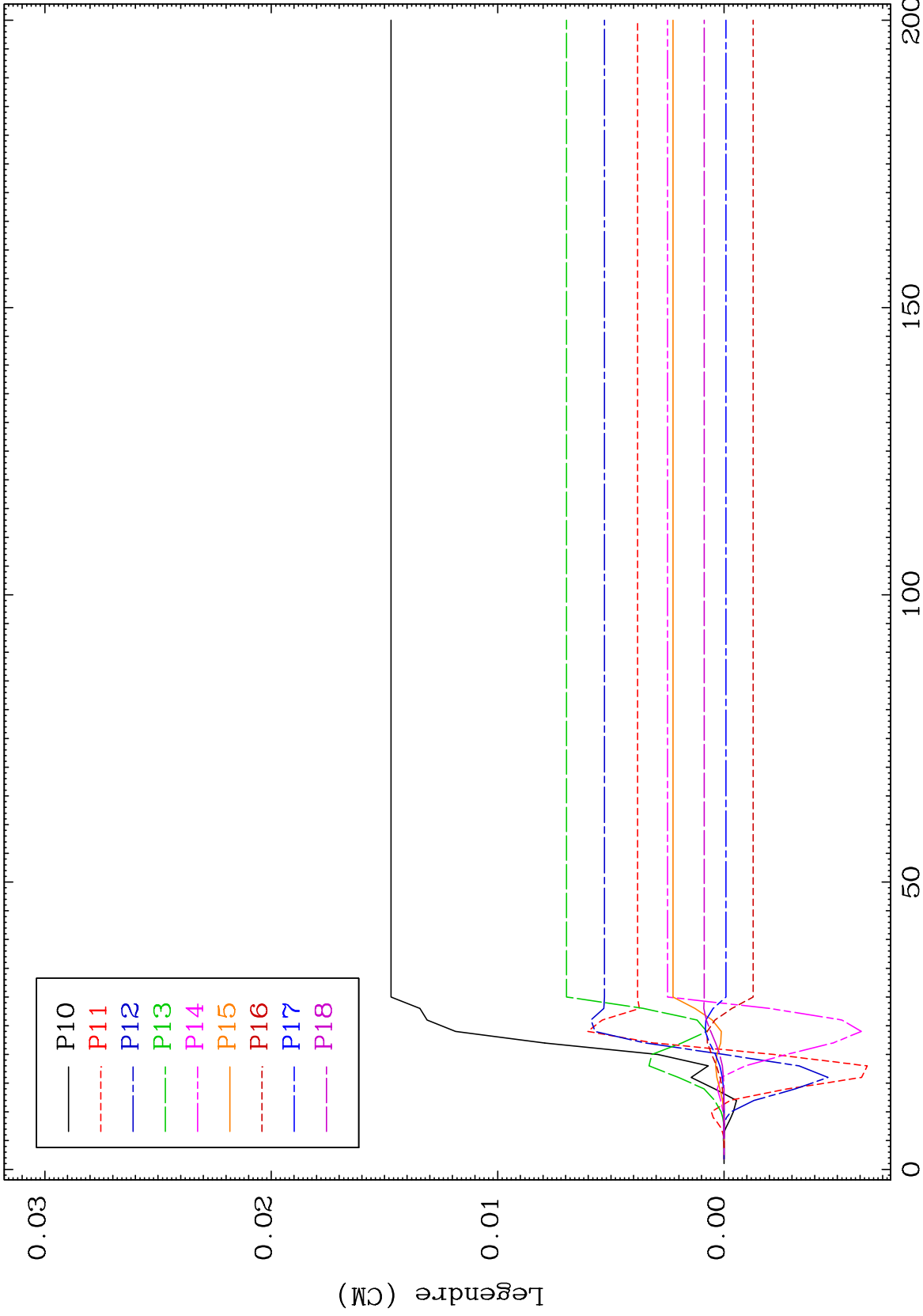
Incident Energy (MeV)

45-Rh-104

MAT 4528

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

45-Rh-104



96

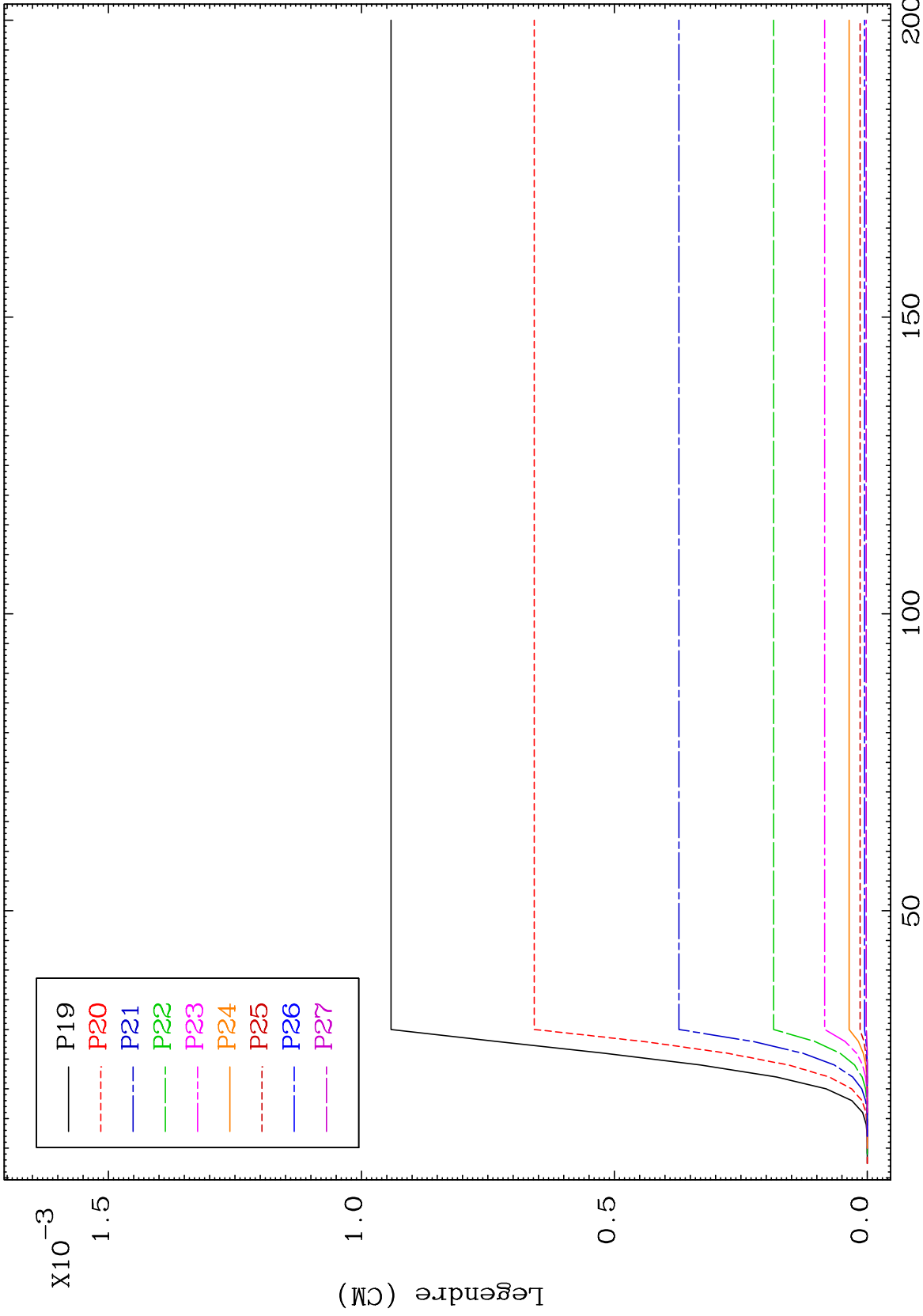
Incident Energy (MeV)

45-Rh-104

MAT 4528

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

45-Rh-104



97

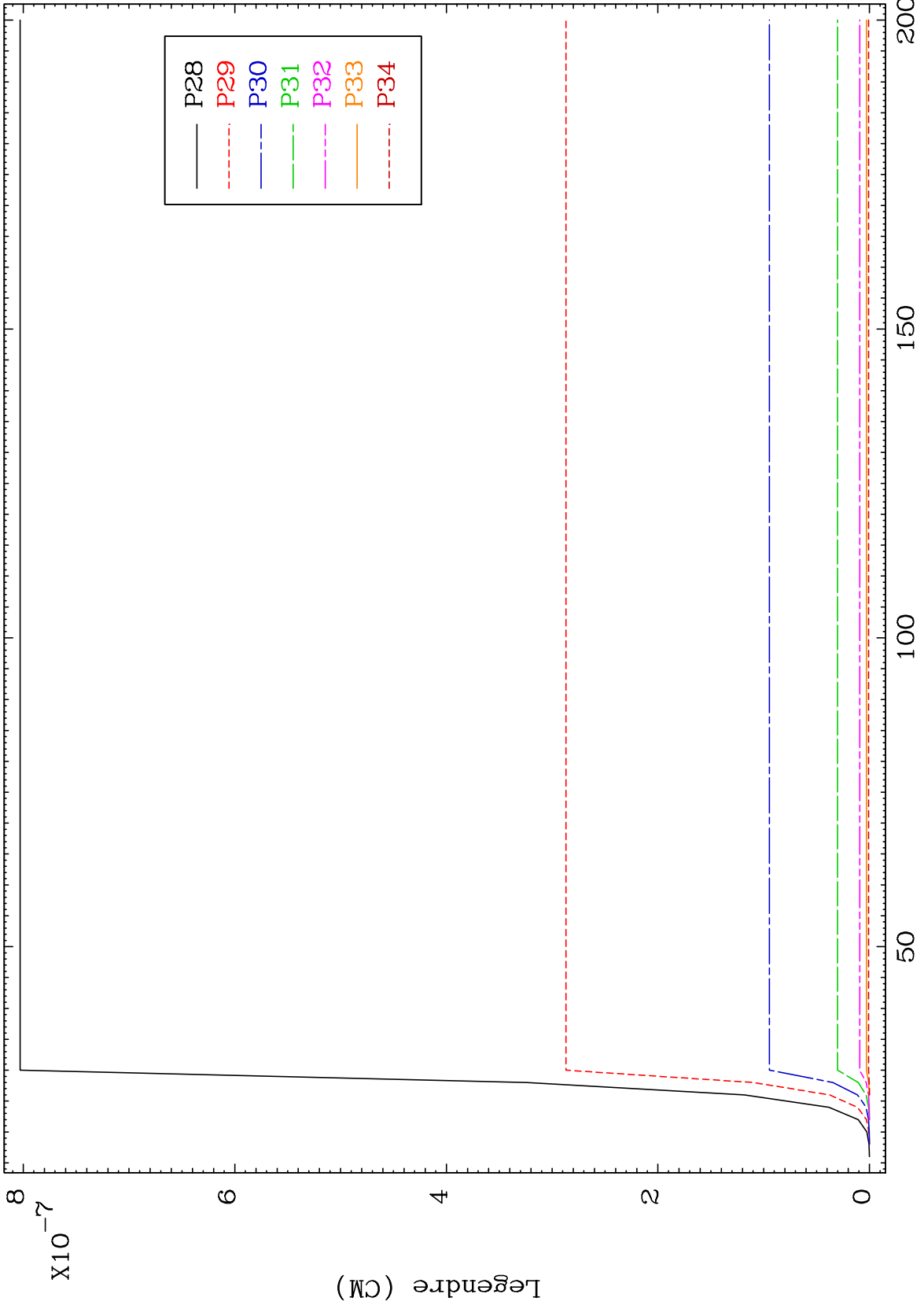
Incident Energy (MeV)

45-Rh-104

MAT 4528

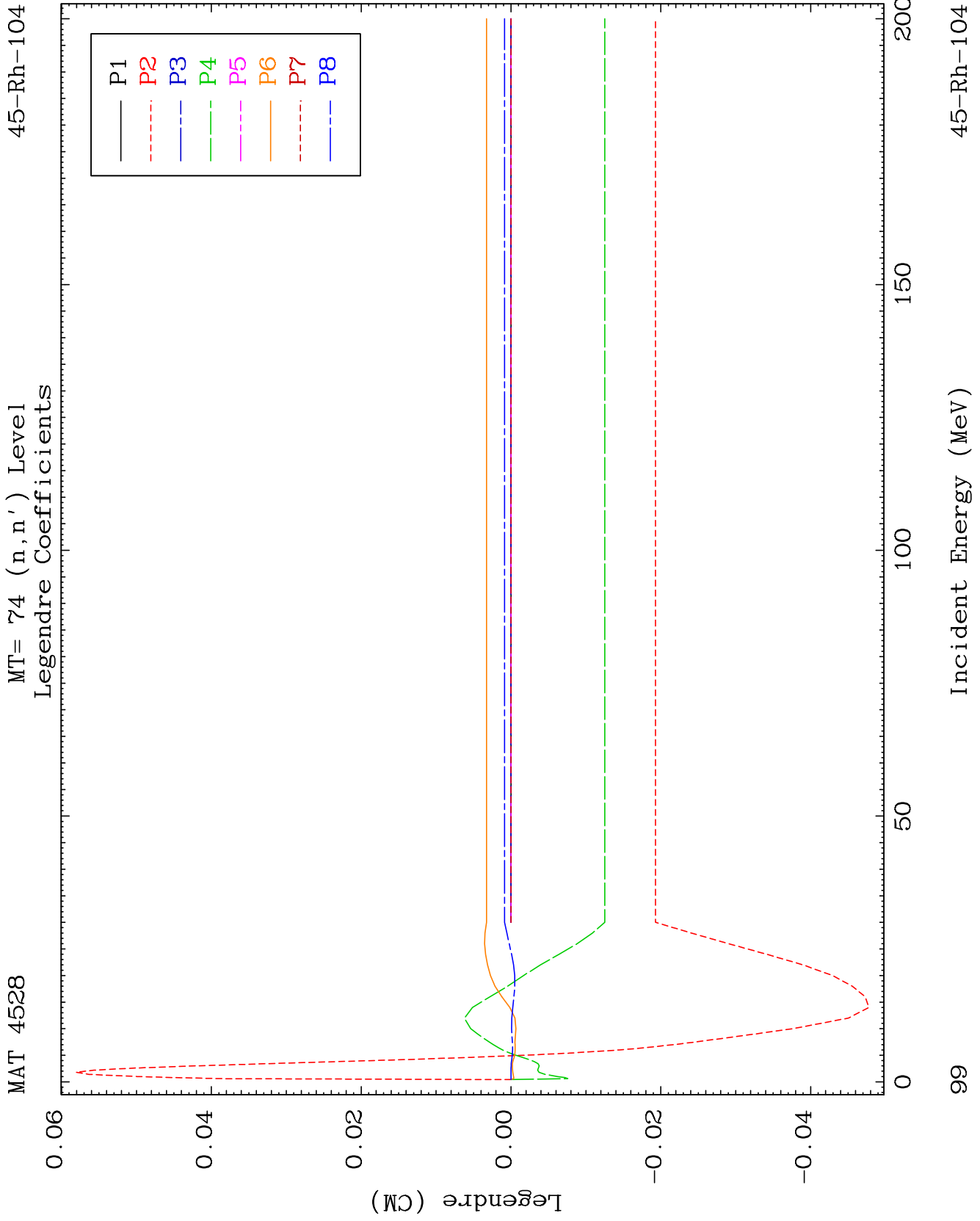
MT= 73 (n,n') Level
Legendre Coefficients

45-Rh-104

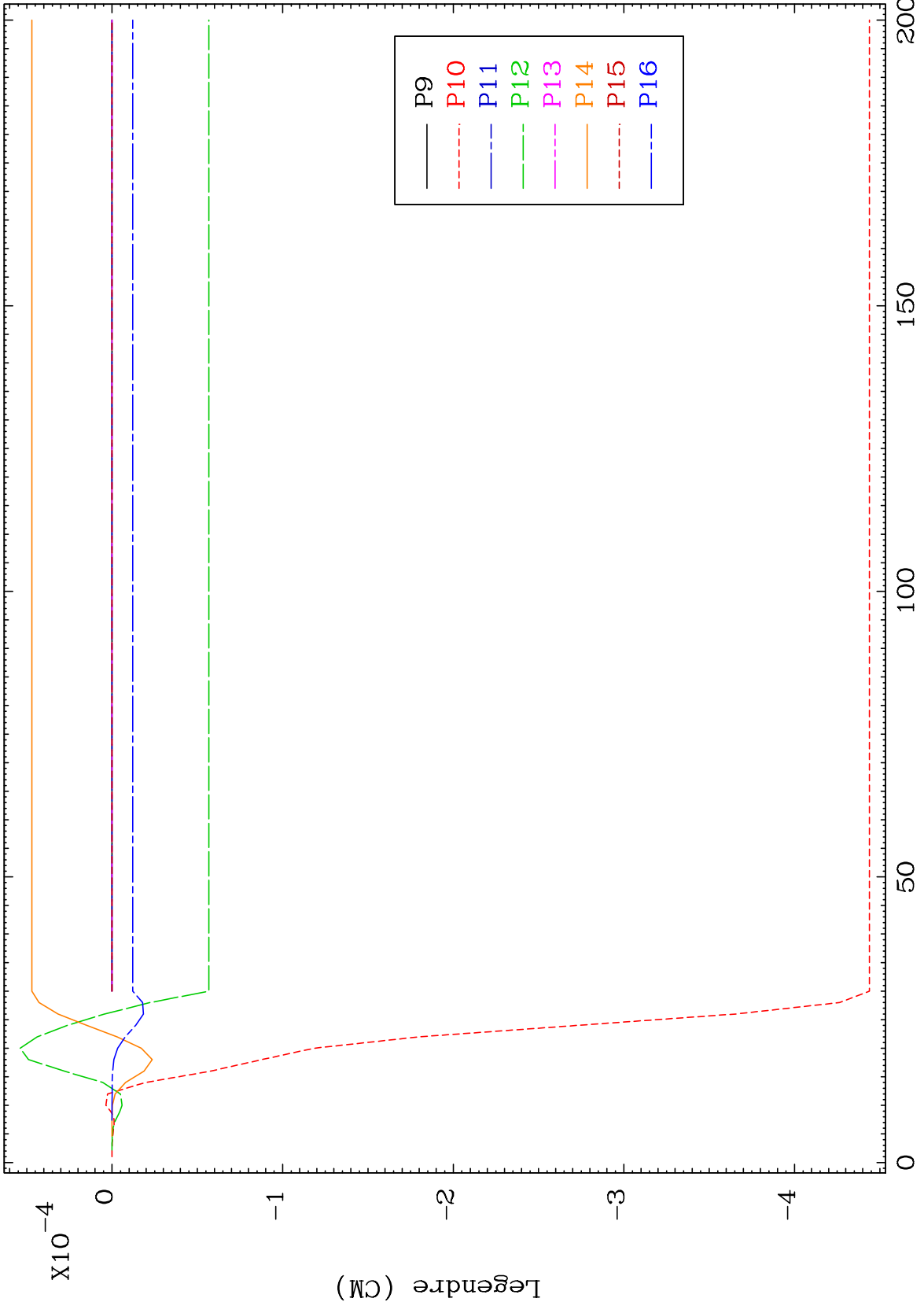


98

45-Rh-104

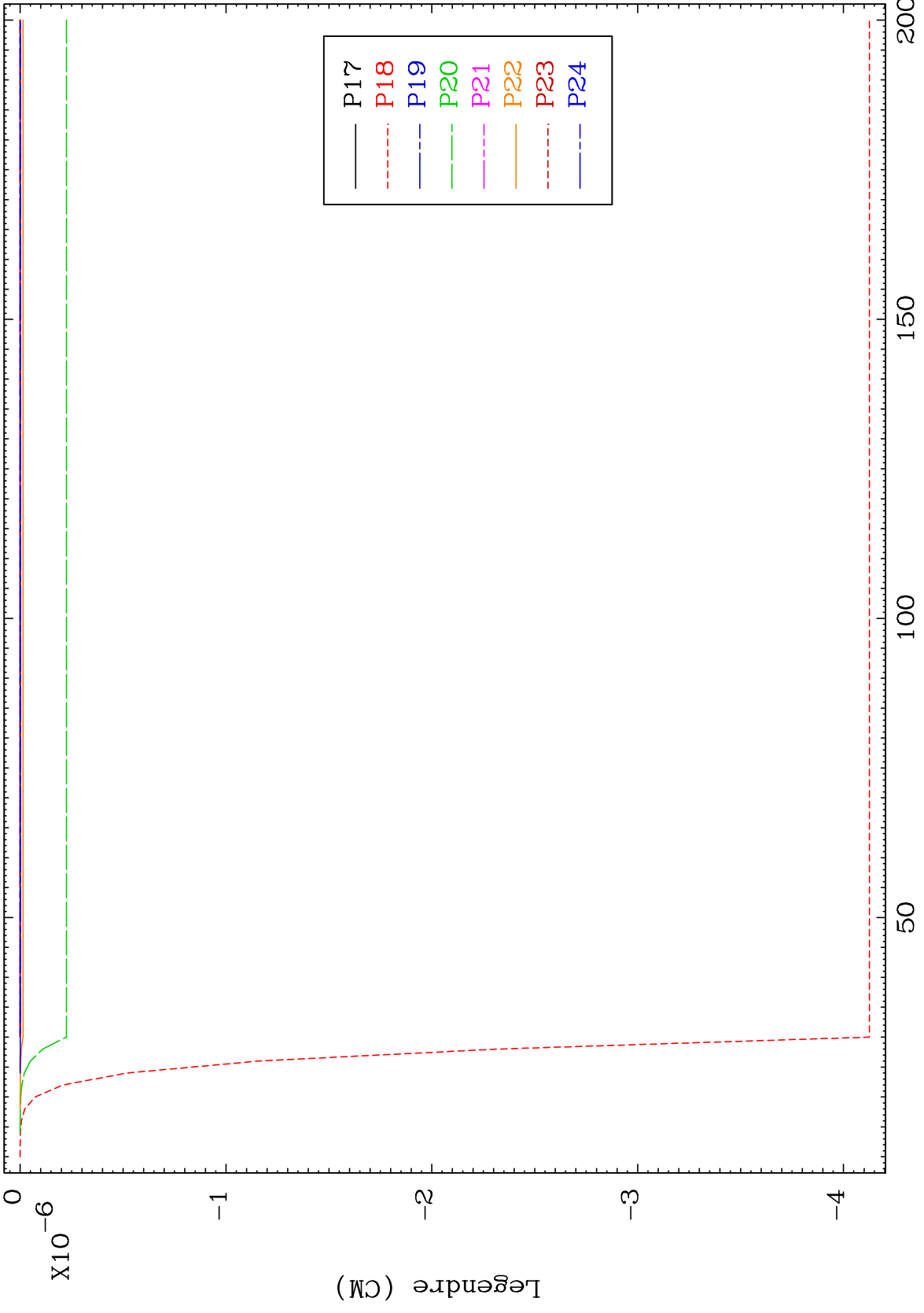


MAT 4528 MT= 74 (n,n') Level Legendre Coefficients 45-Rh-104



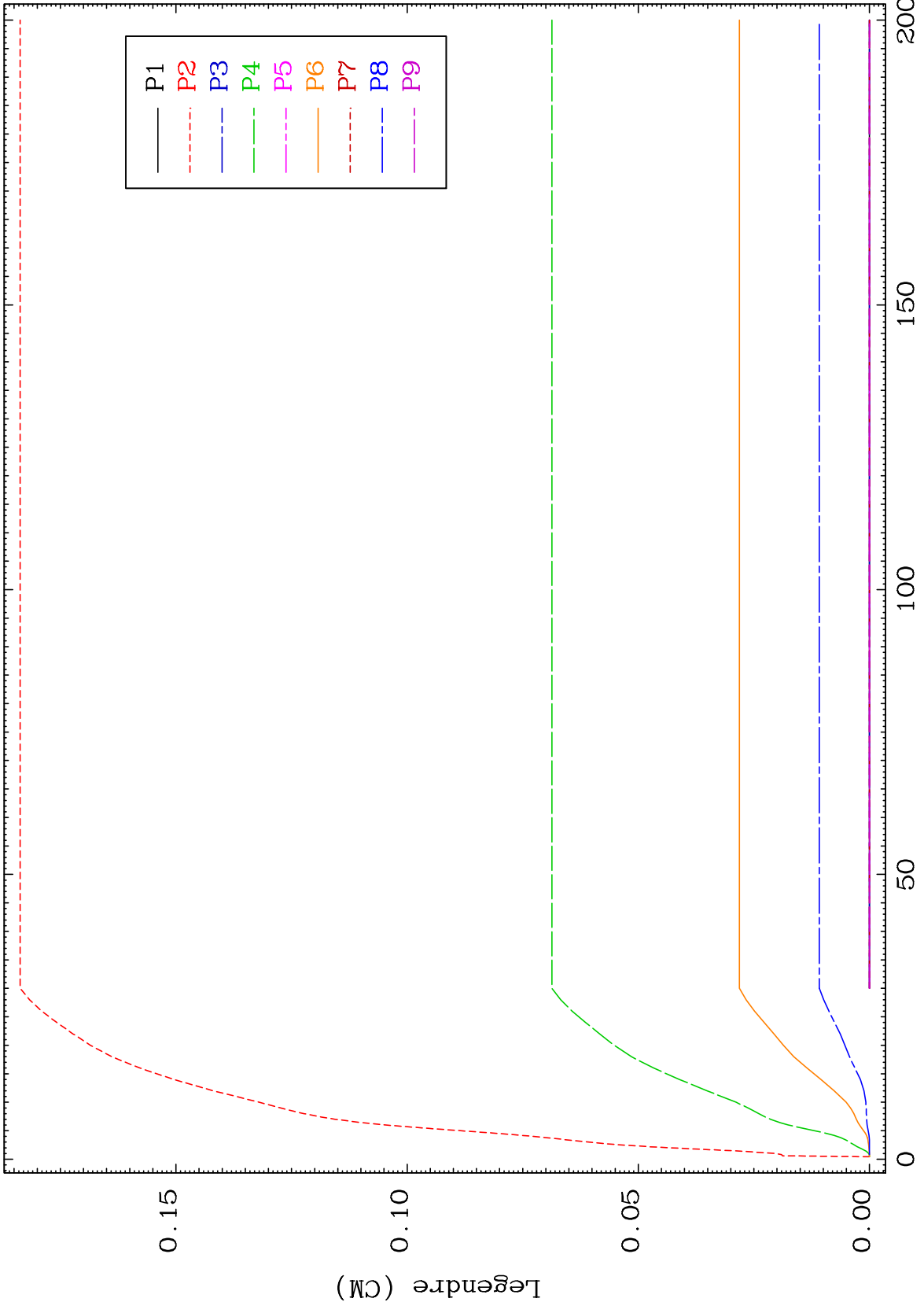
100 Incident Energy (MeV) 45-Rh-104

MAT 4528 MT= 74 (n,n') Level Legendre Coefficients 45-Rh-104



101 50 100 150 200 45-Rh-104

MAT 4528 MT= 75 (n,n') Level Legendre Coefficients 45-Rh-104

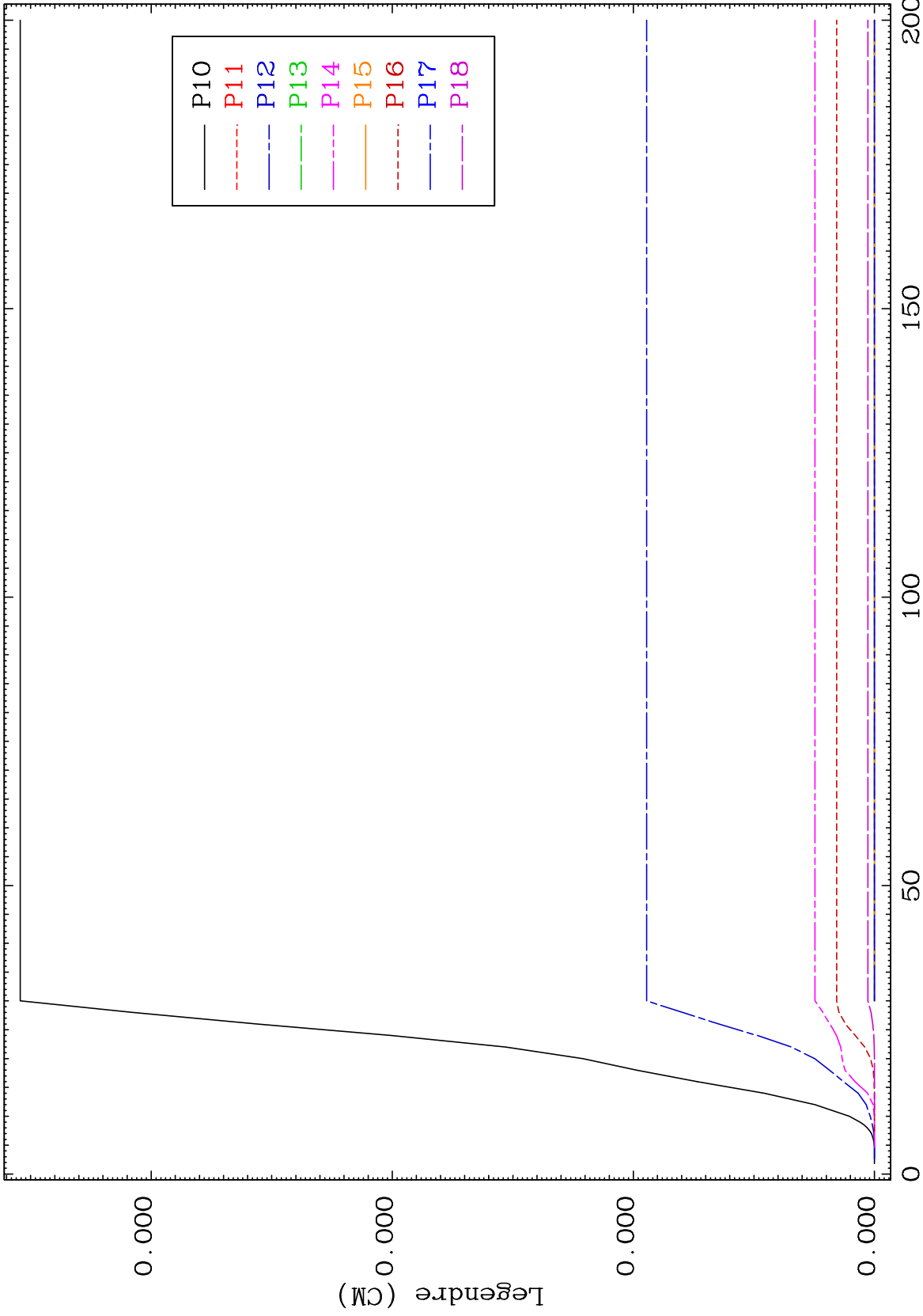


Incident Energy (MeV) 45-Rh-104

MAT 4528

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

45-Rh-104

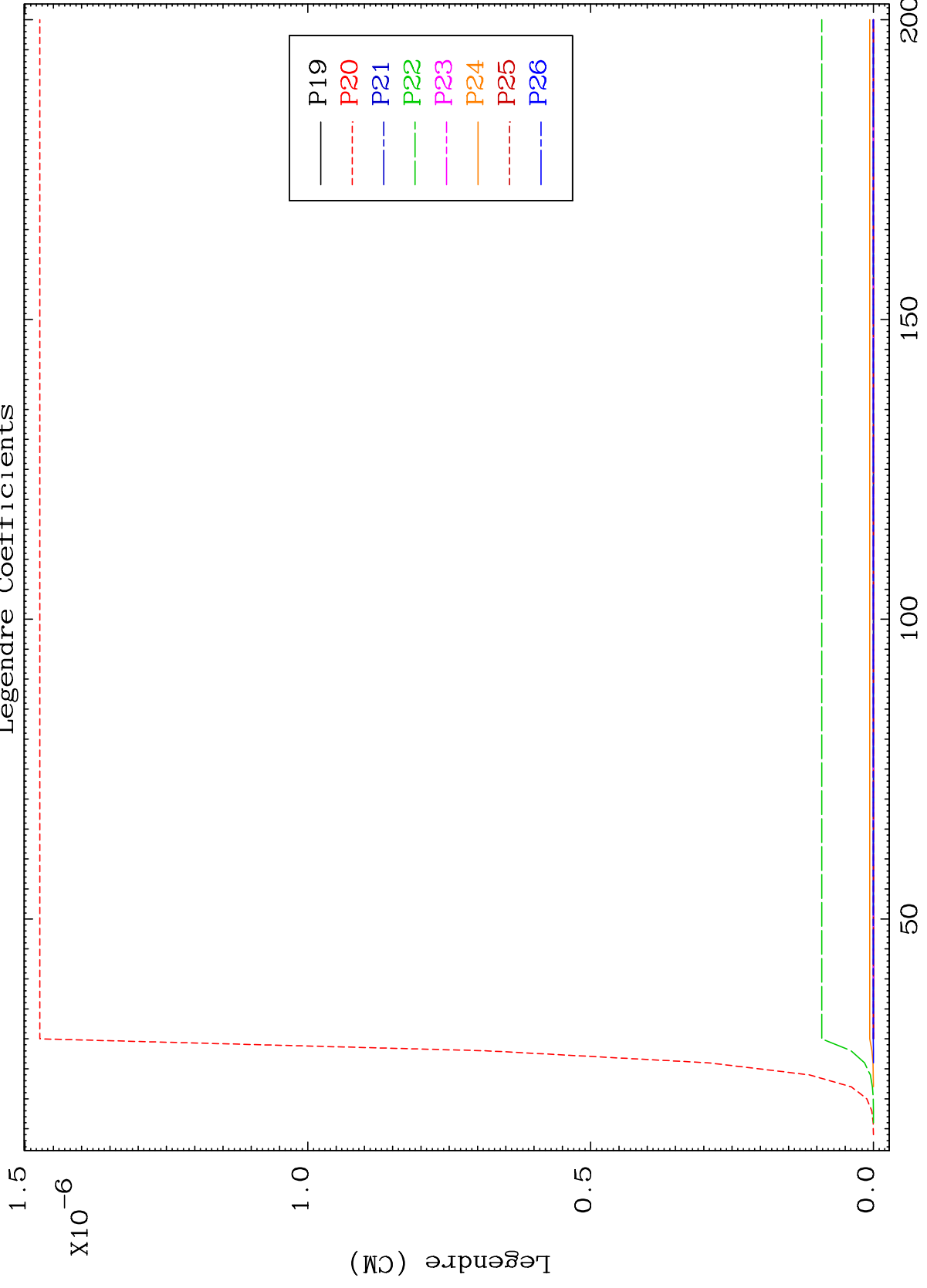


103

Incident Energy (MeV)

45-Rh-104

MAT 4528 MT= 75 (n,n') Level Legendre Coefficients 45-Rh-104

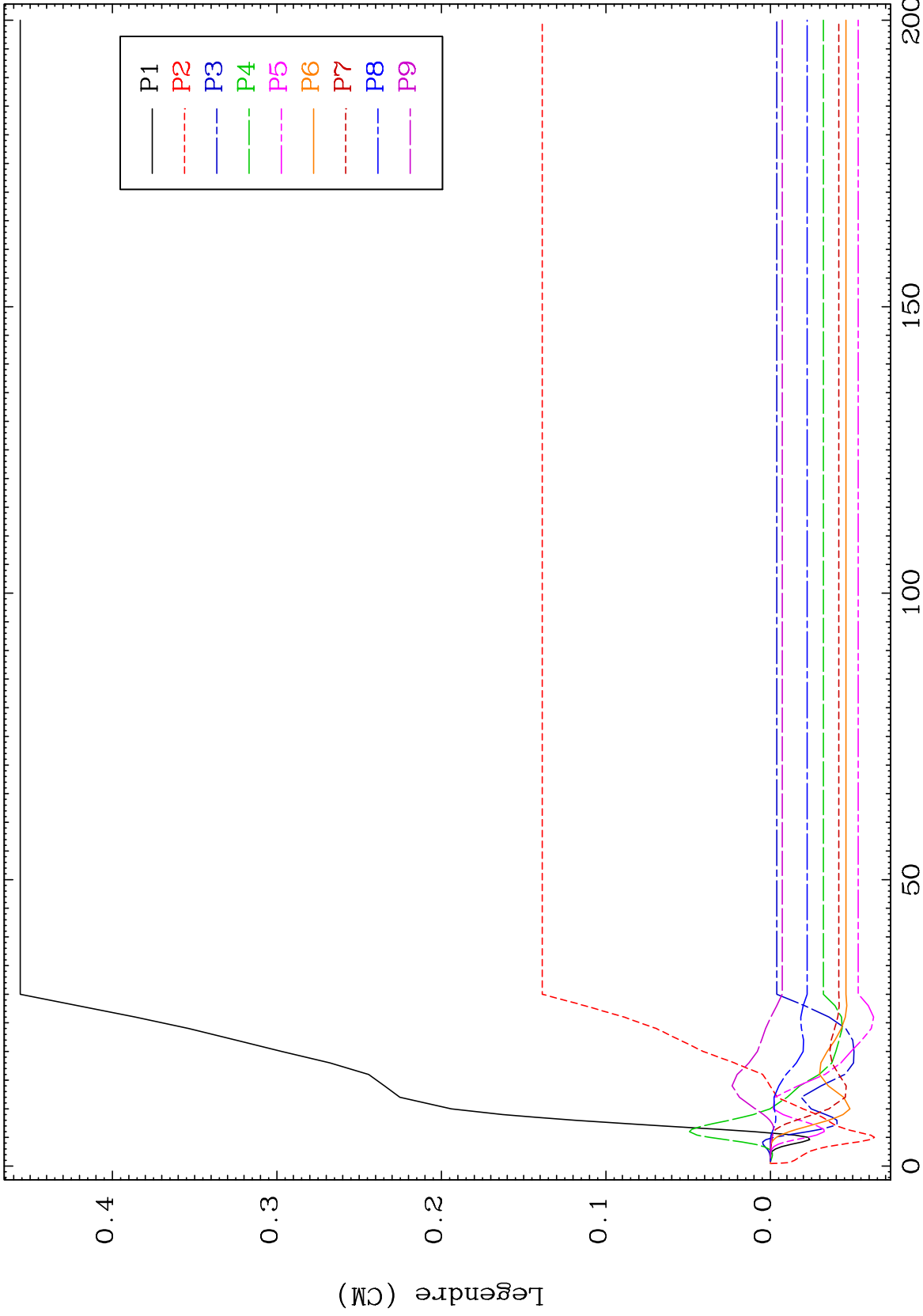


104 50 100 150 200 Incident Energy (MeV) 45-Rh-104

MAT 4528

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

45-Rh-104



45-Rh-104

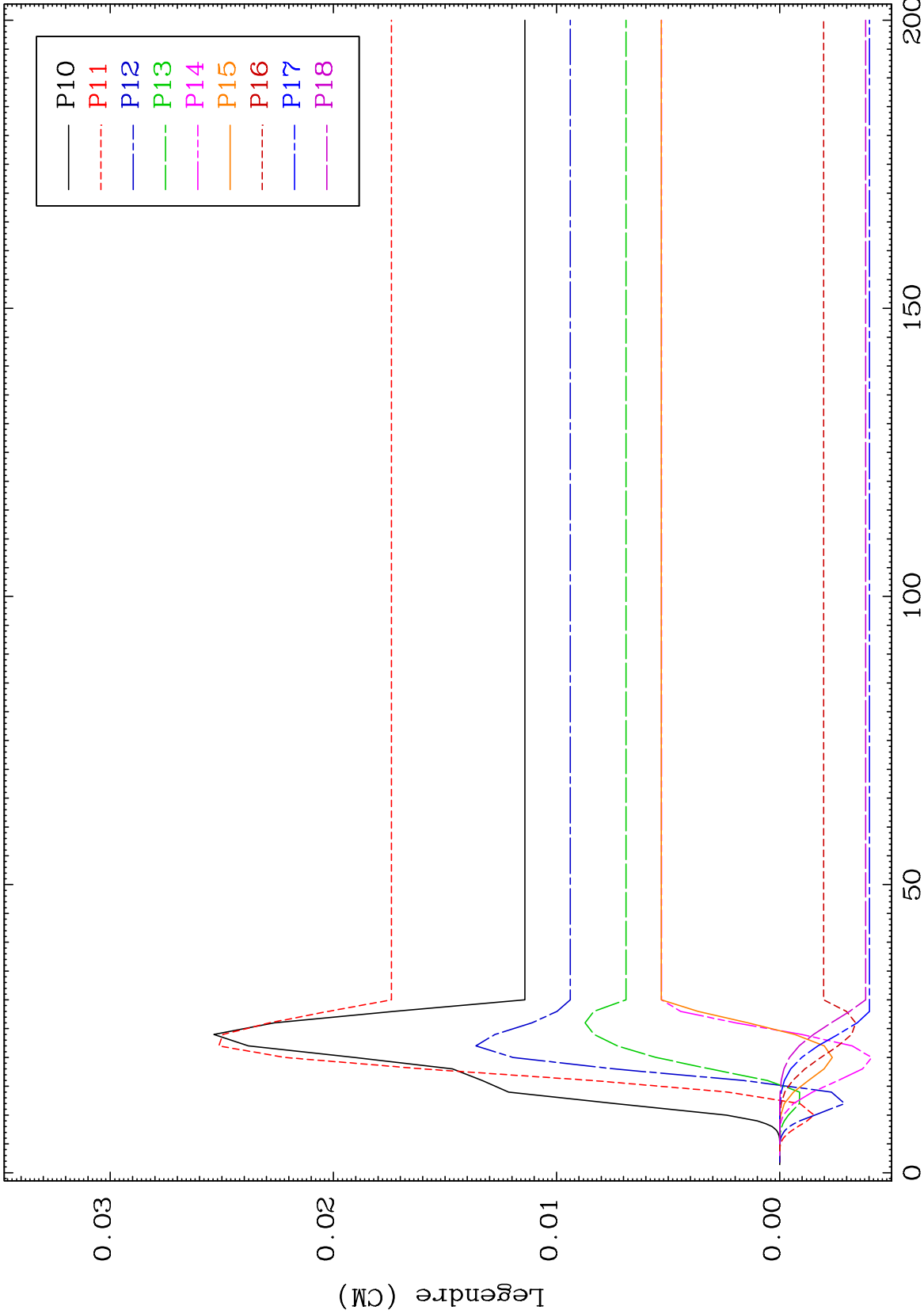
Incident Energy (MeV)

105

MAT 4528

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

45-Rh-104



106

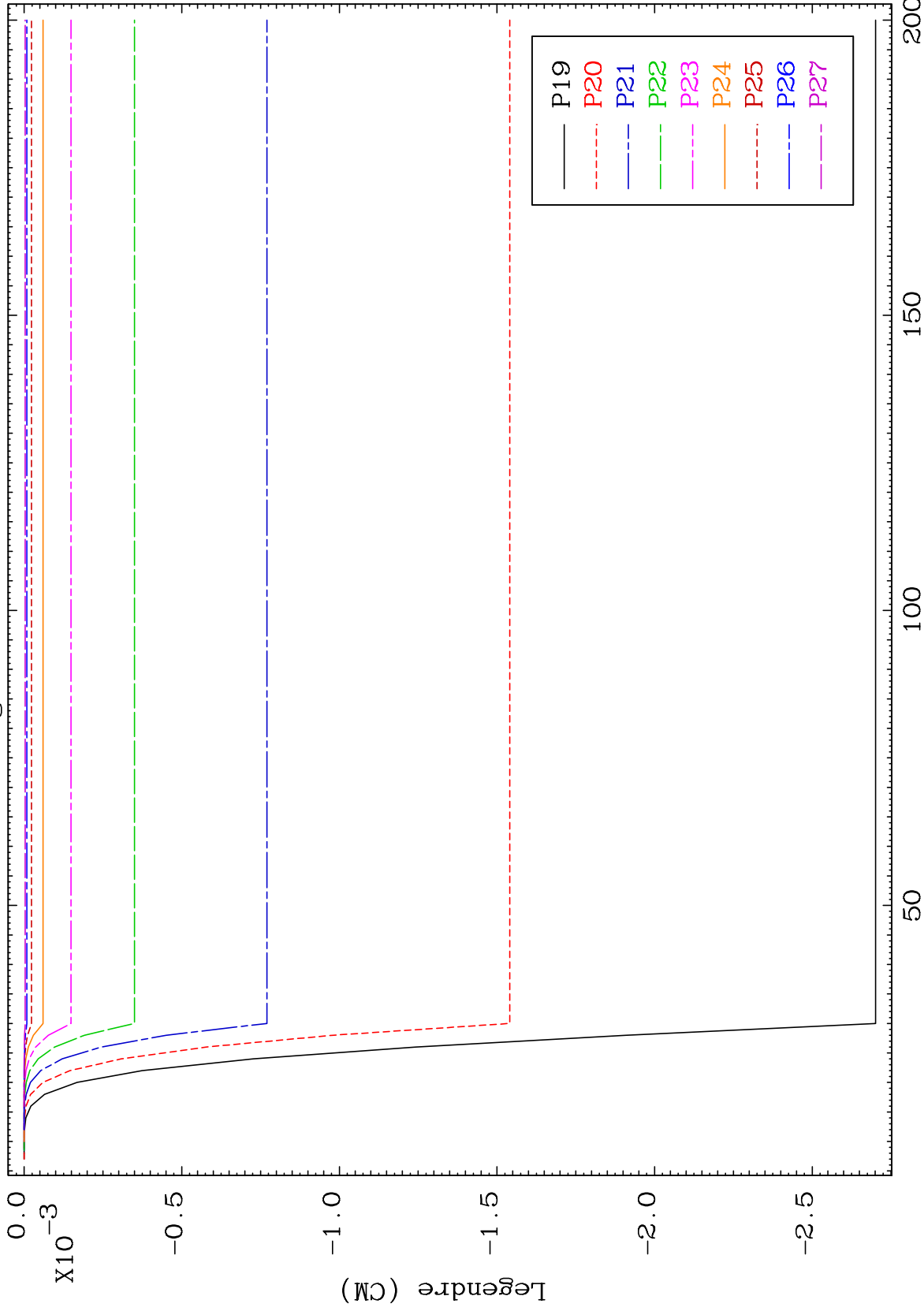
Incident Energy (MeV)

45-Rh-104

MAT 4528

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

45-Rh-104



45-Rh-104

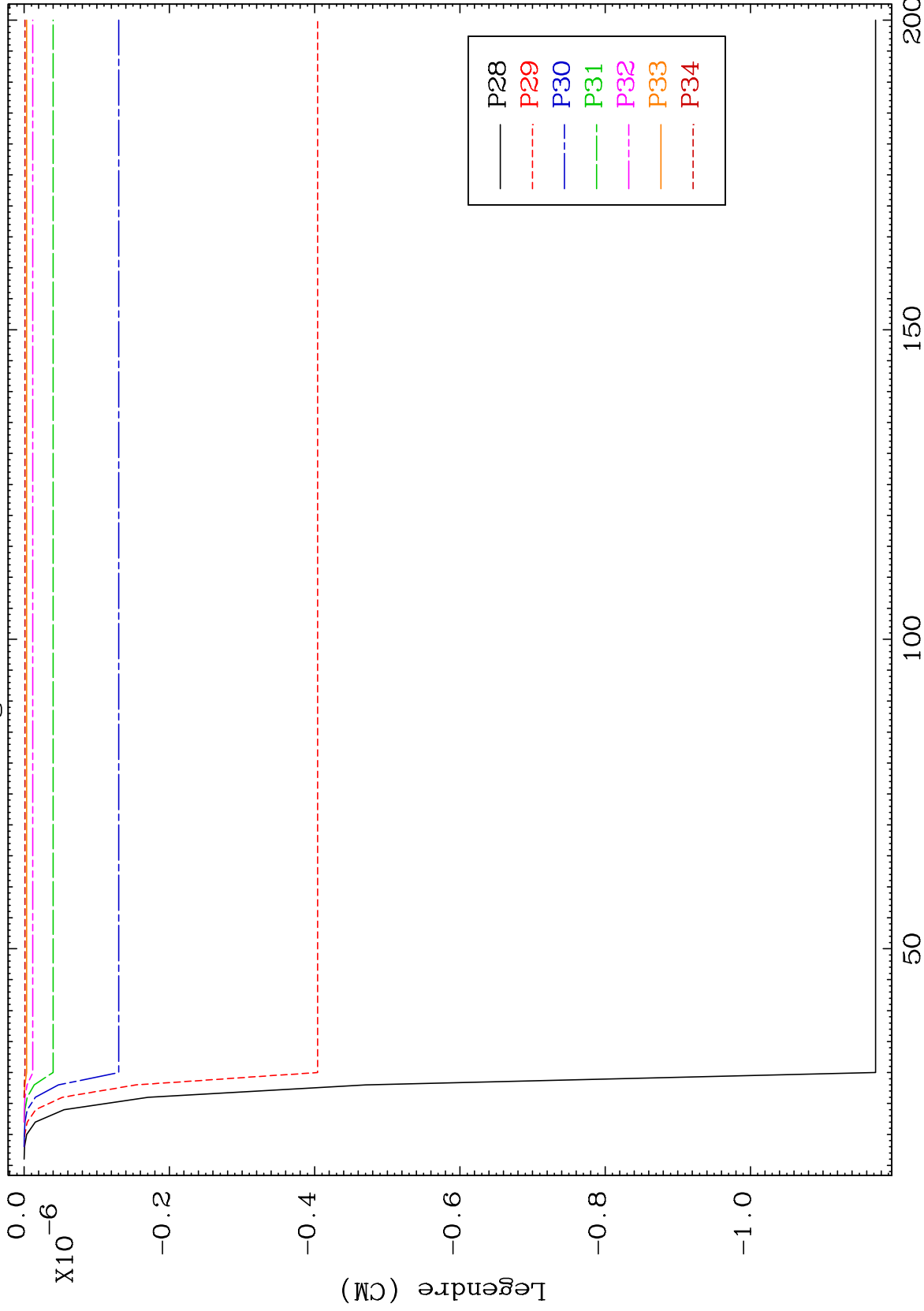
Incident Energy (MeV)

107

MAT 4528

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

45-Rh-104



45-Rh-104

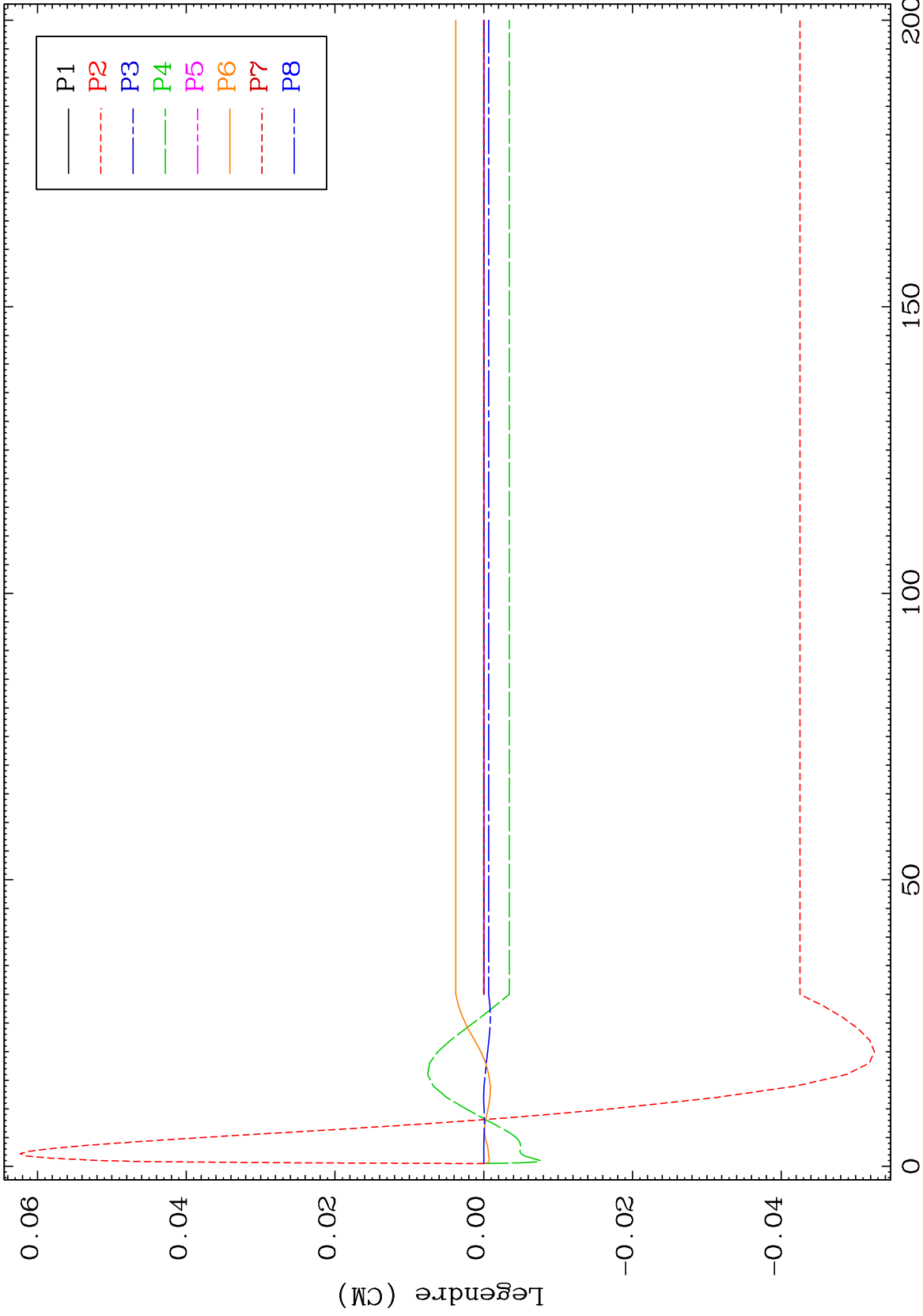
Incident Energy (MeV)

108

MAT 4528

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

45-Rh-104



45-Rh-104

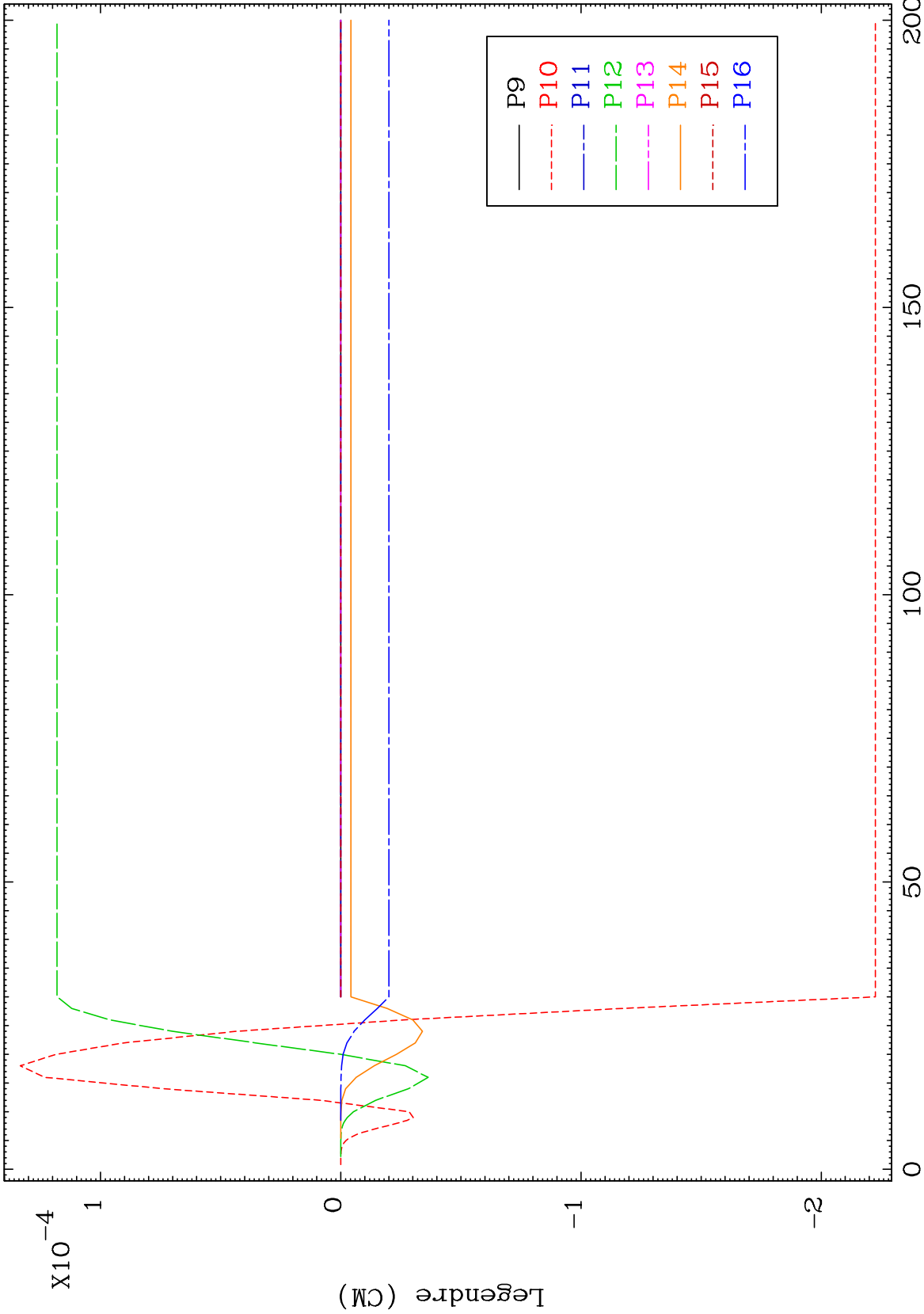
Incident Energy (MeV)

109

MAT 4528

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

45-Rh-104



110

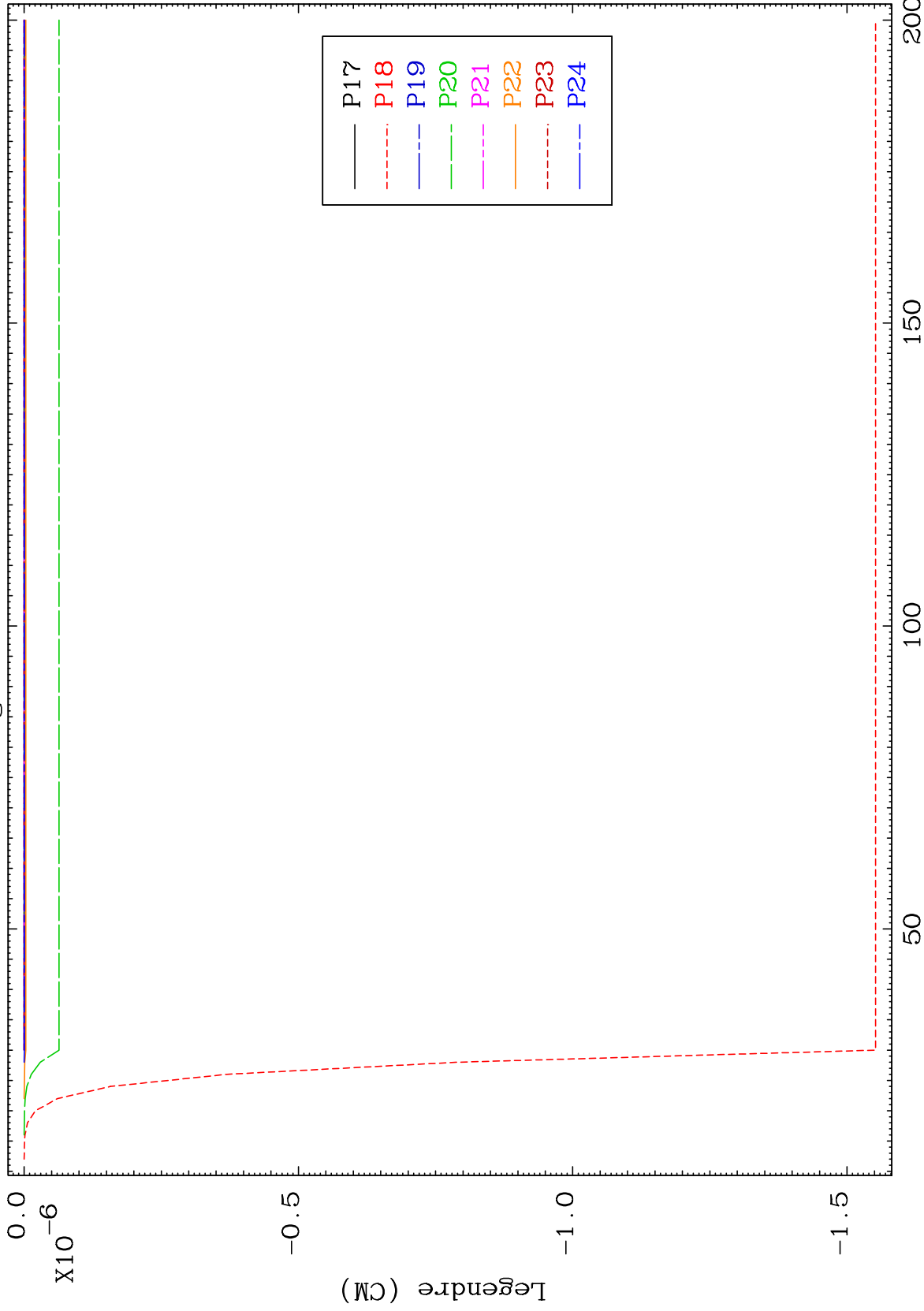
Incident Energy (MeV)

45-Rh-104

MAT 4528

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

45-Rh-104

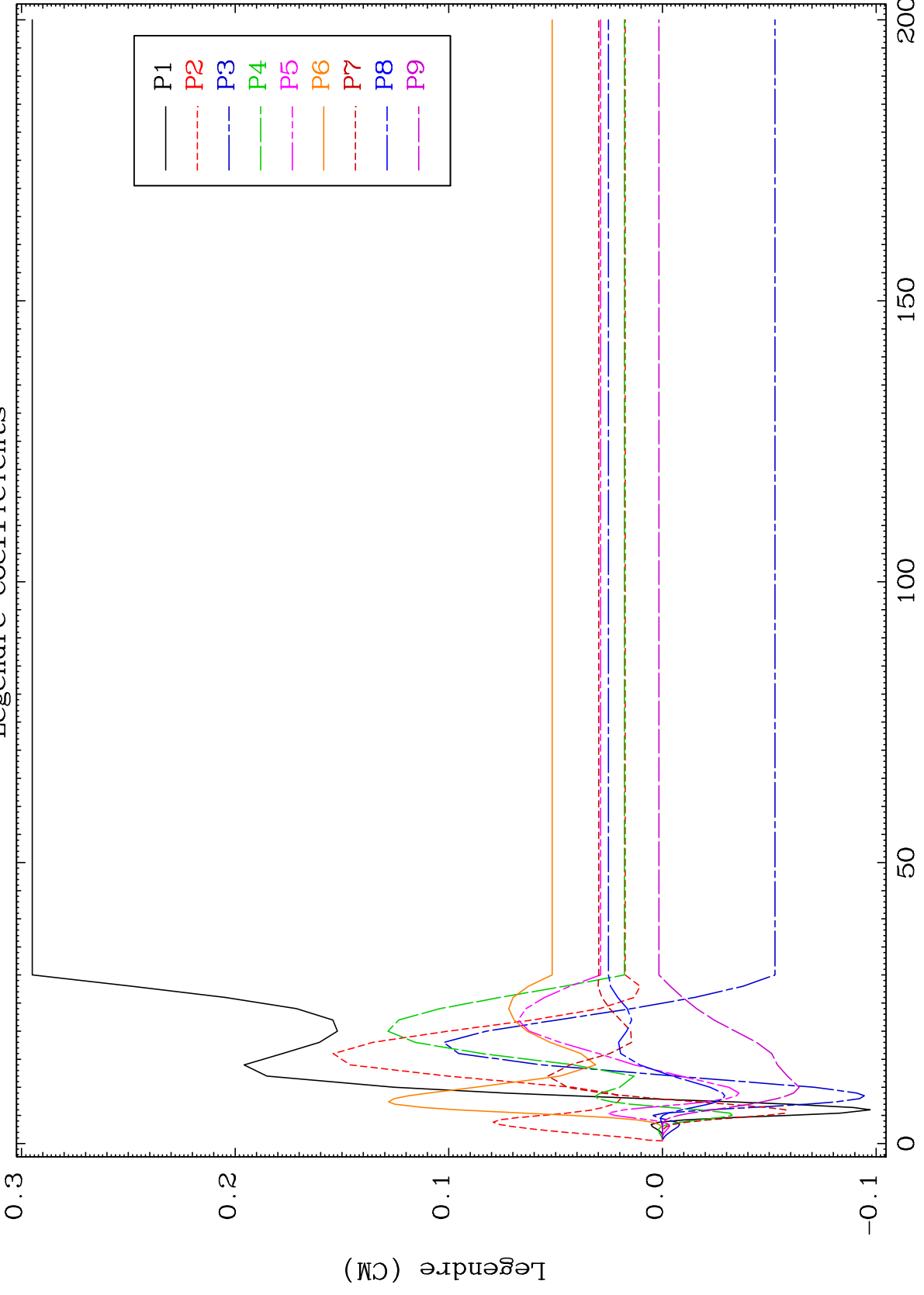


45-Rh-104

Incident Energy (MeV)

111

MAT 4528 MT= 78 (n,n') Level Legendre Coefficients 45-Rh-104

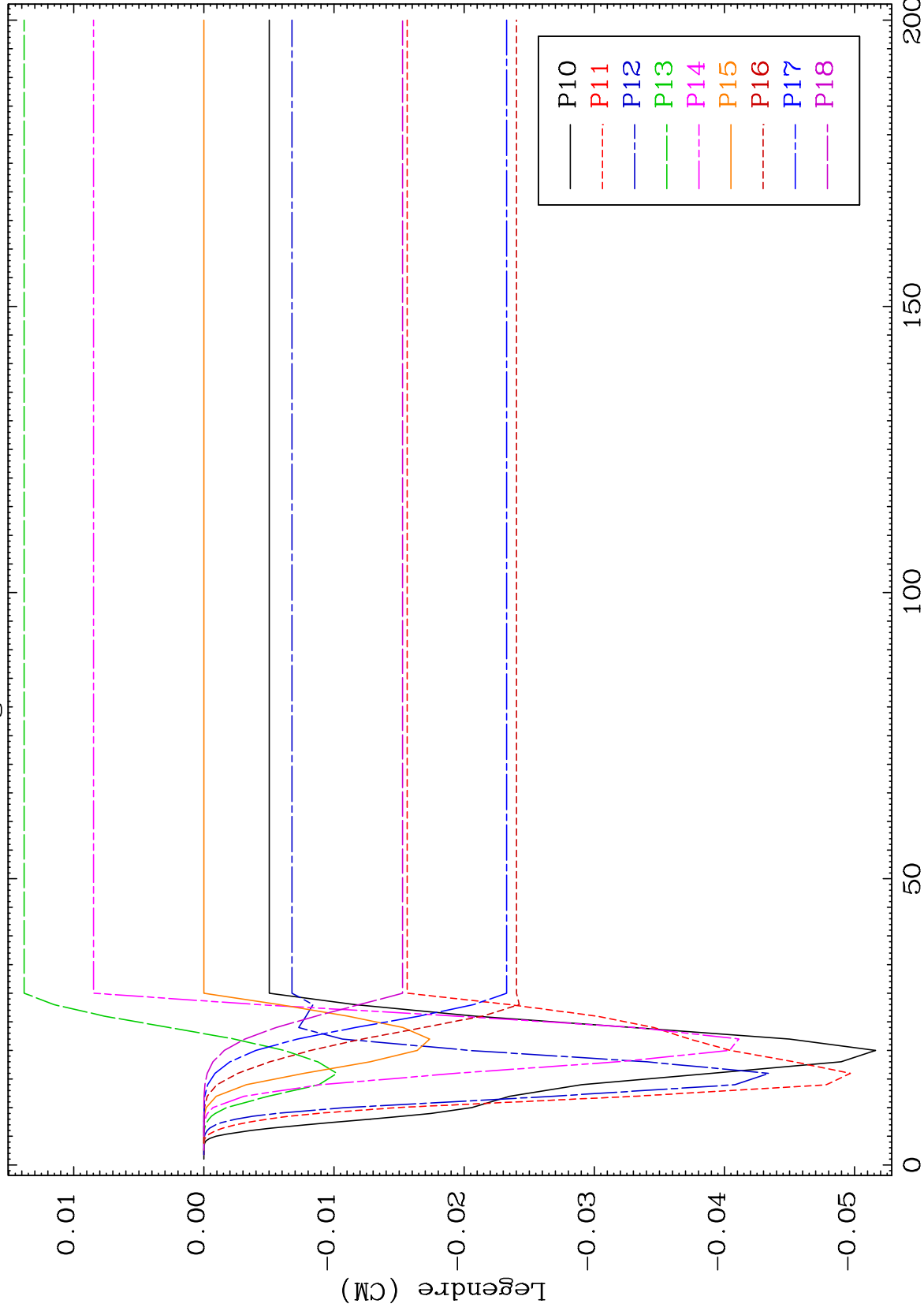


112 Incident Energy (MeV) 45-Rh-104

MAT 4528

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

45-Rh-104

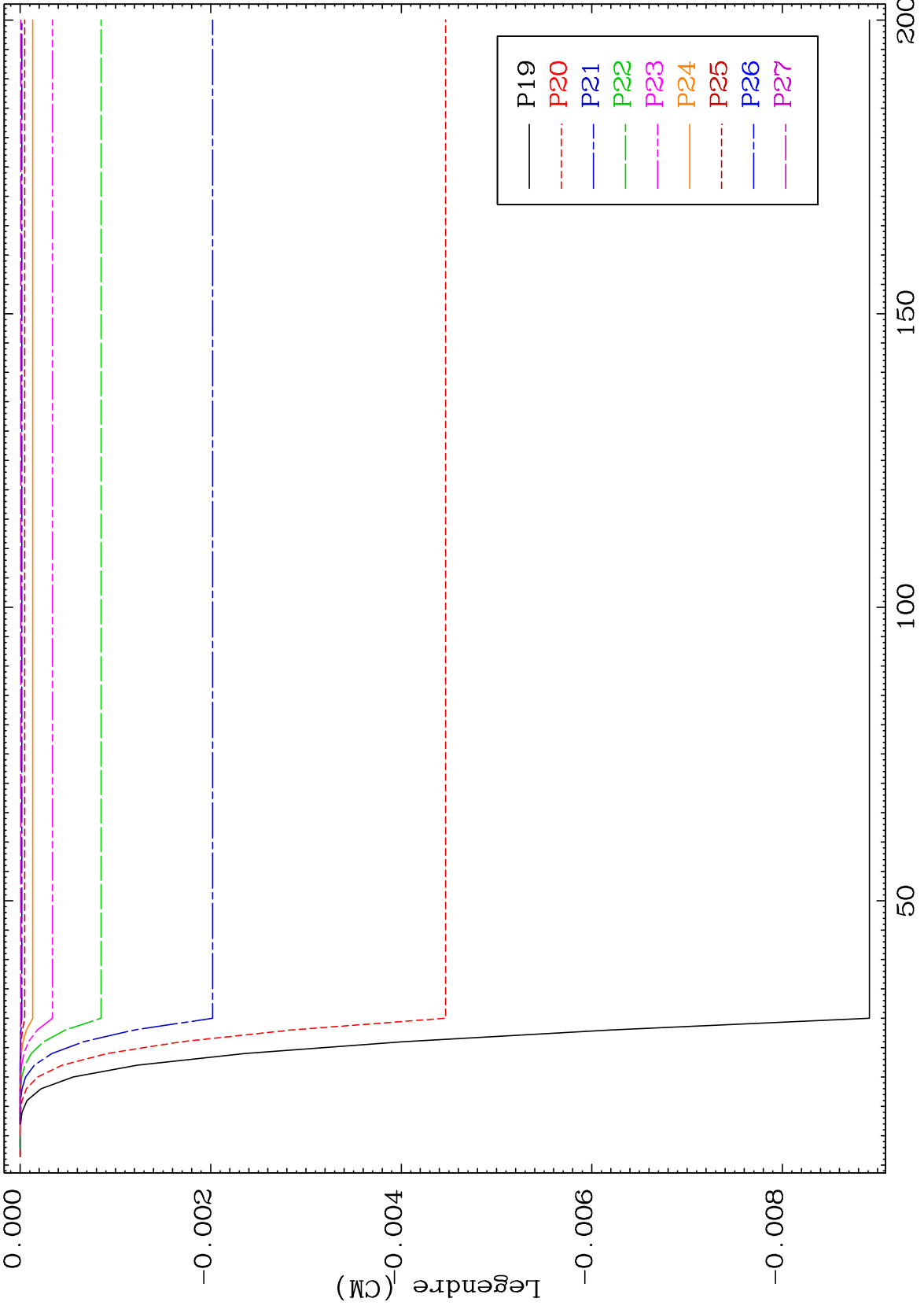


113

Incident Energy (MeV)

45-Rh-104

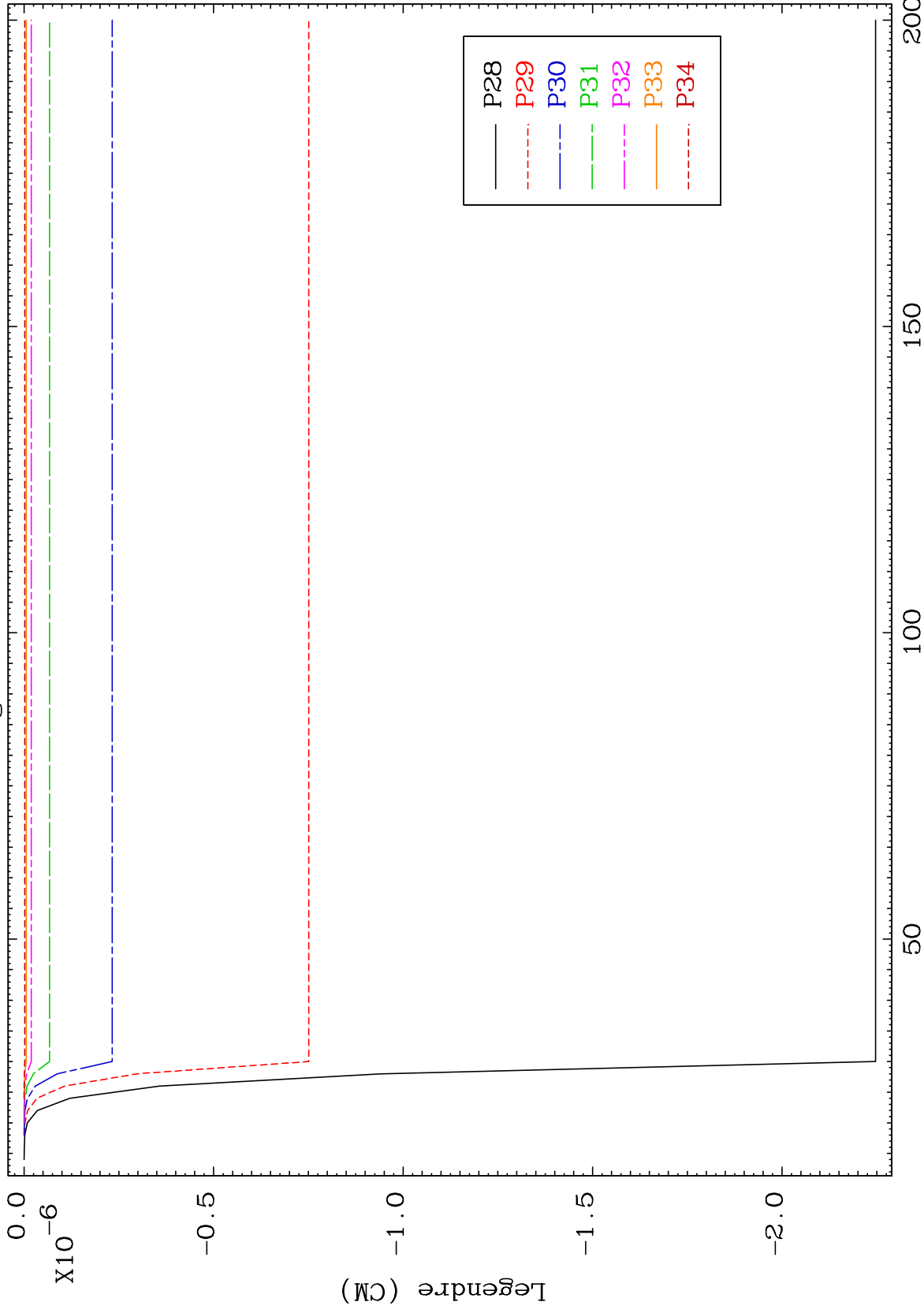
MAT 4528 MT= 78 (n,n') Level Legendre Coefficients 45-Rh-104



MAT 4528

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

45-Rh-104



45-Rh-104

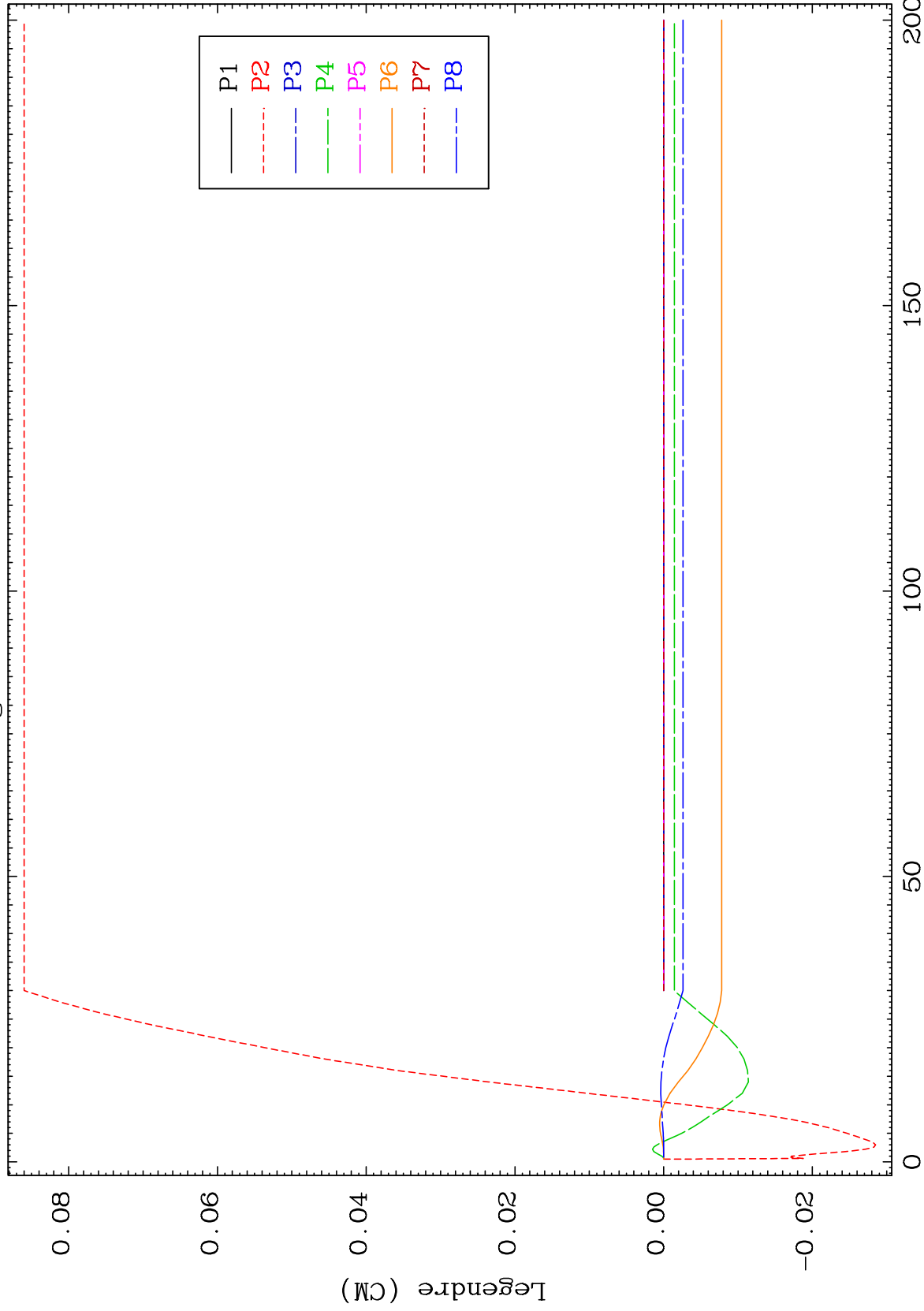
Incident Energy (MeV)

115

MAT 4528

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

45-Rh-104



116

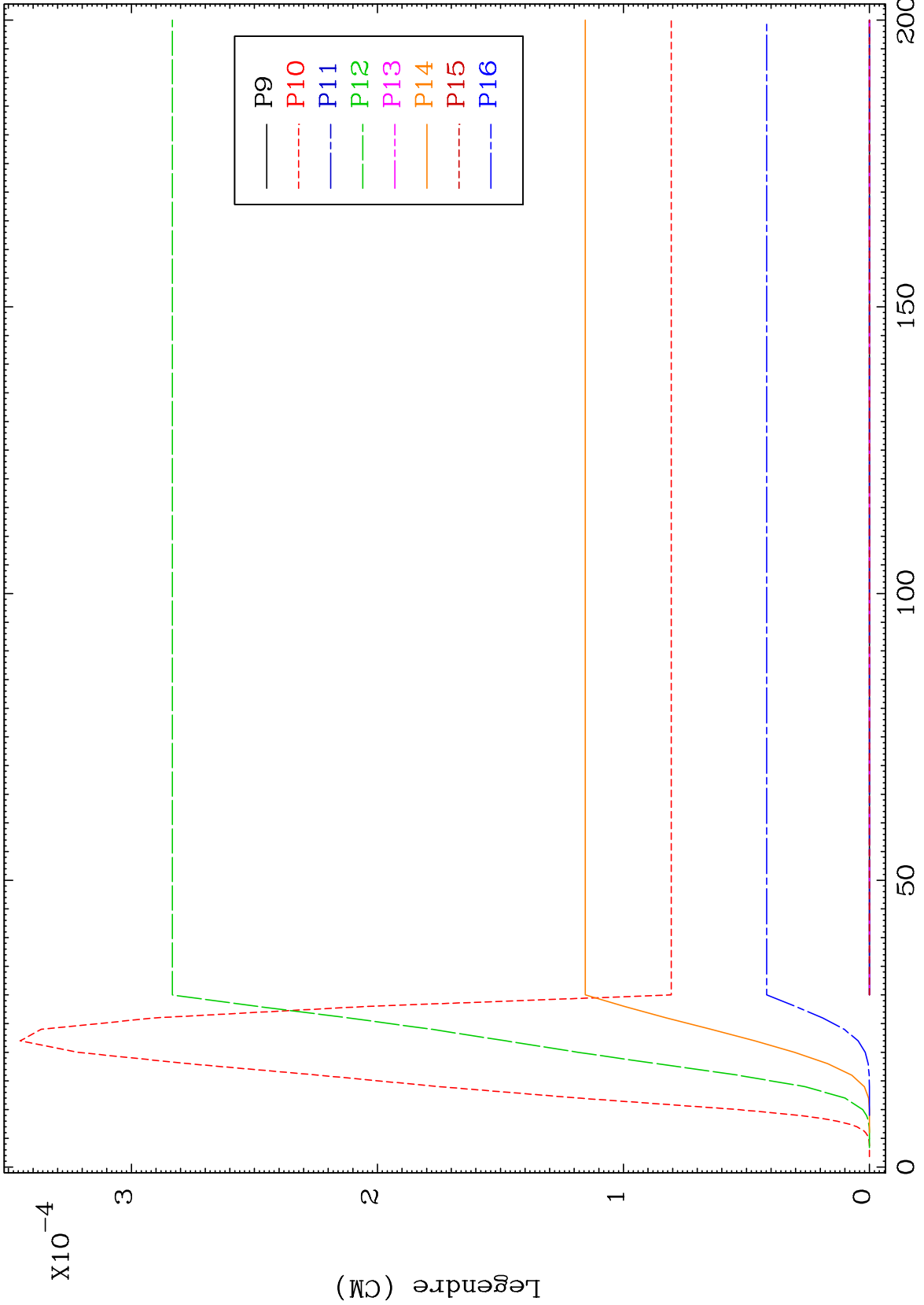
Incident Energy (MeV)

45-Rh-104

MAT 4528

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

45-Rh-104

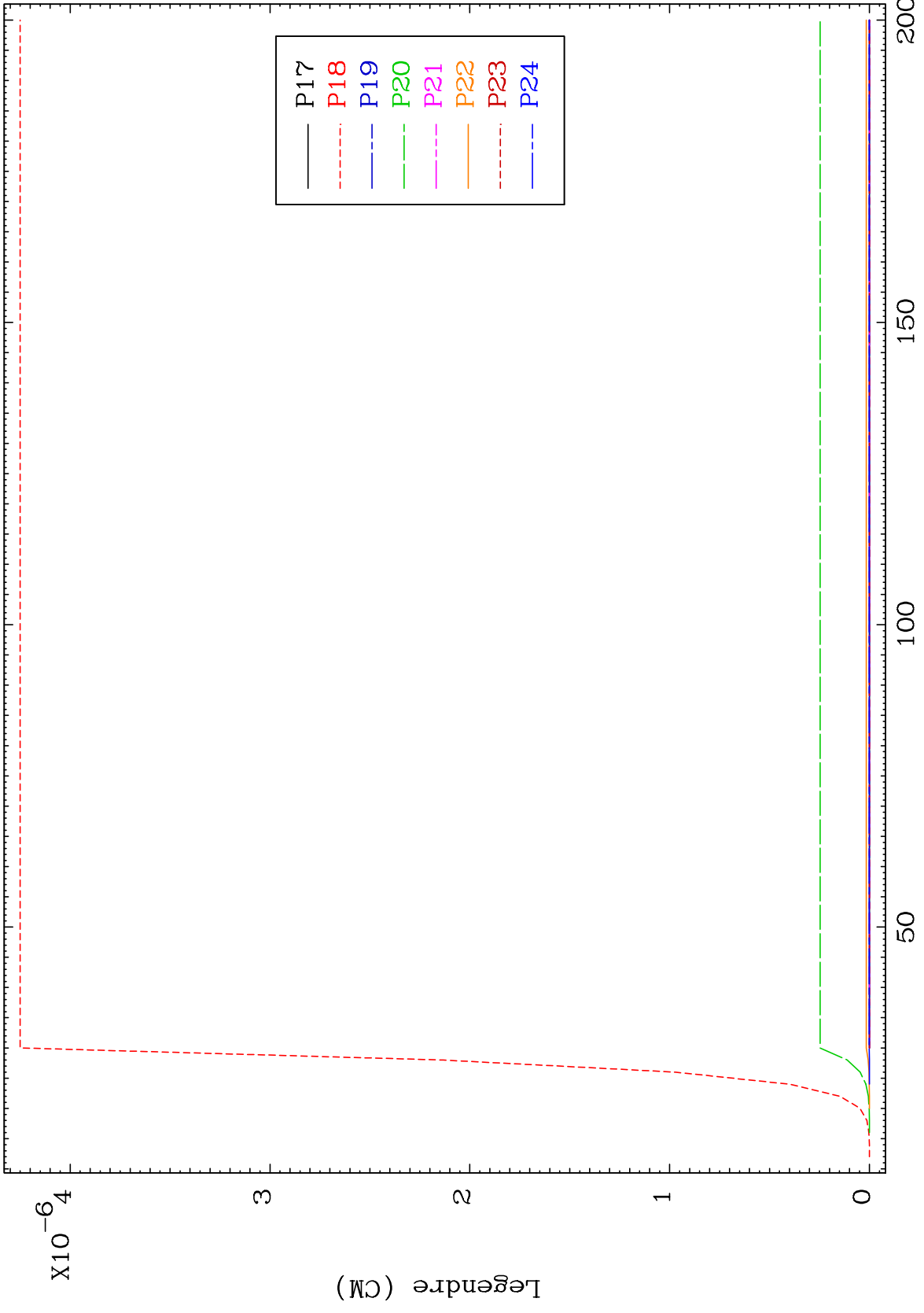


117

Incident Energy (MeV)

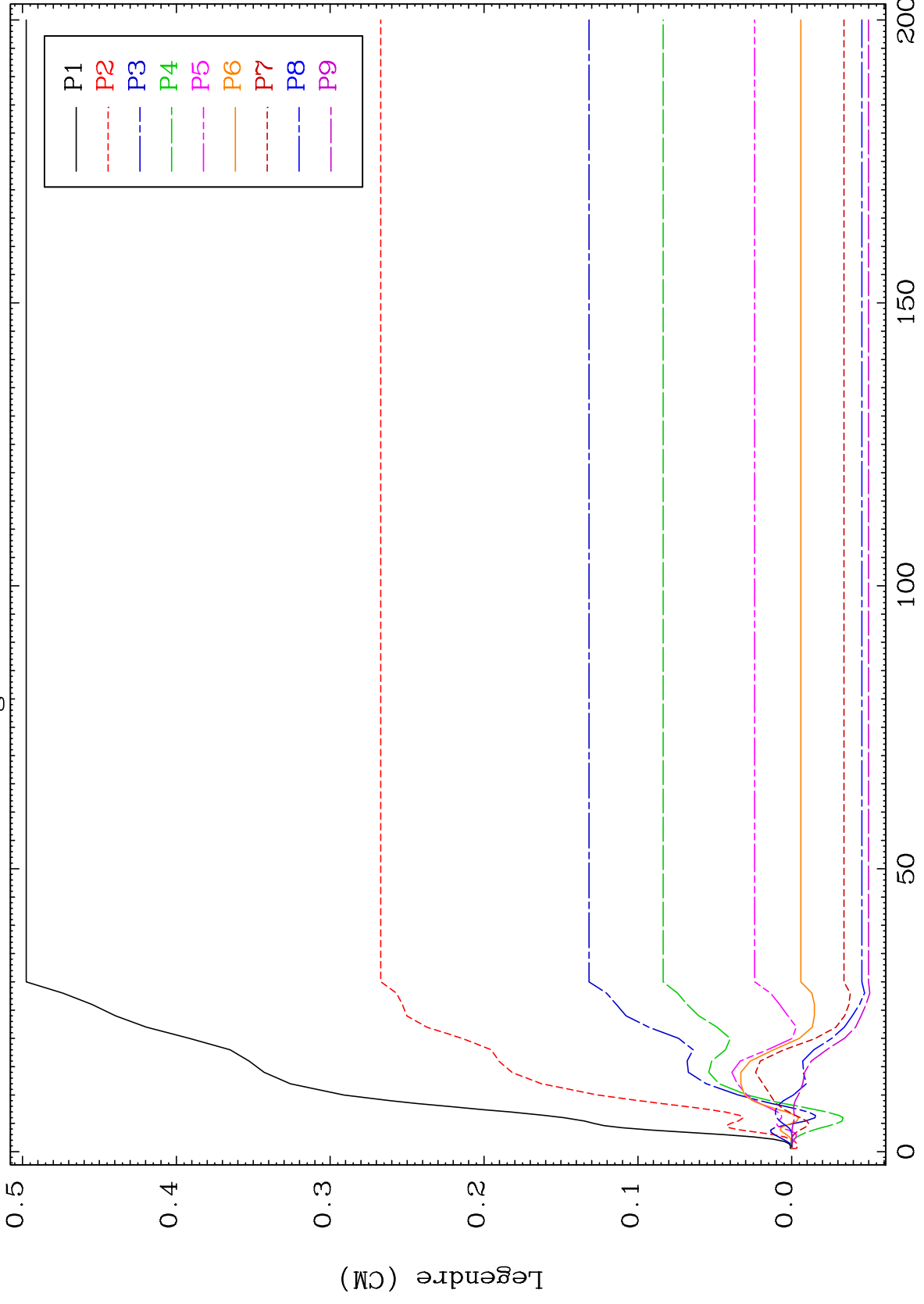
45-Rh-104

MAT 4528 MT= 79 (n,n') Level Legendre Coefficients 45-Rh-104



118 45-Rh-104

MAT 4528 MT= 80 (n,n') Level Legendre Coefficients 45-Rh-104

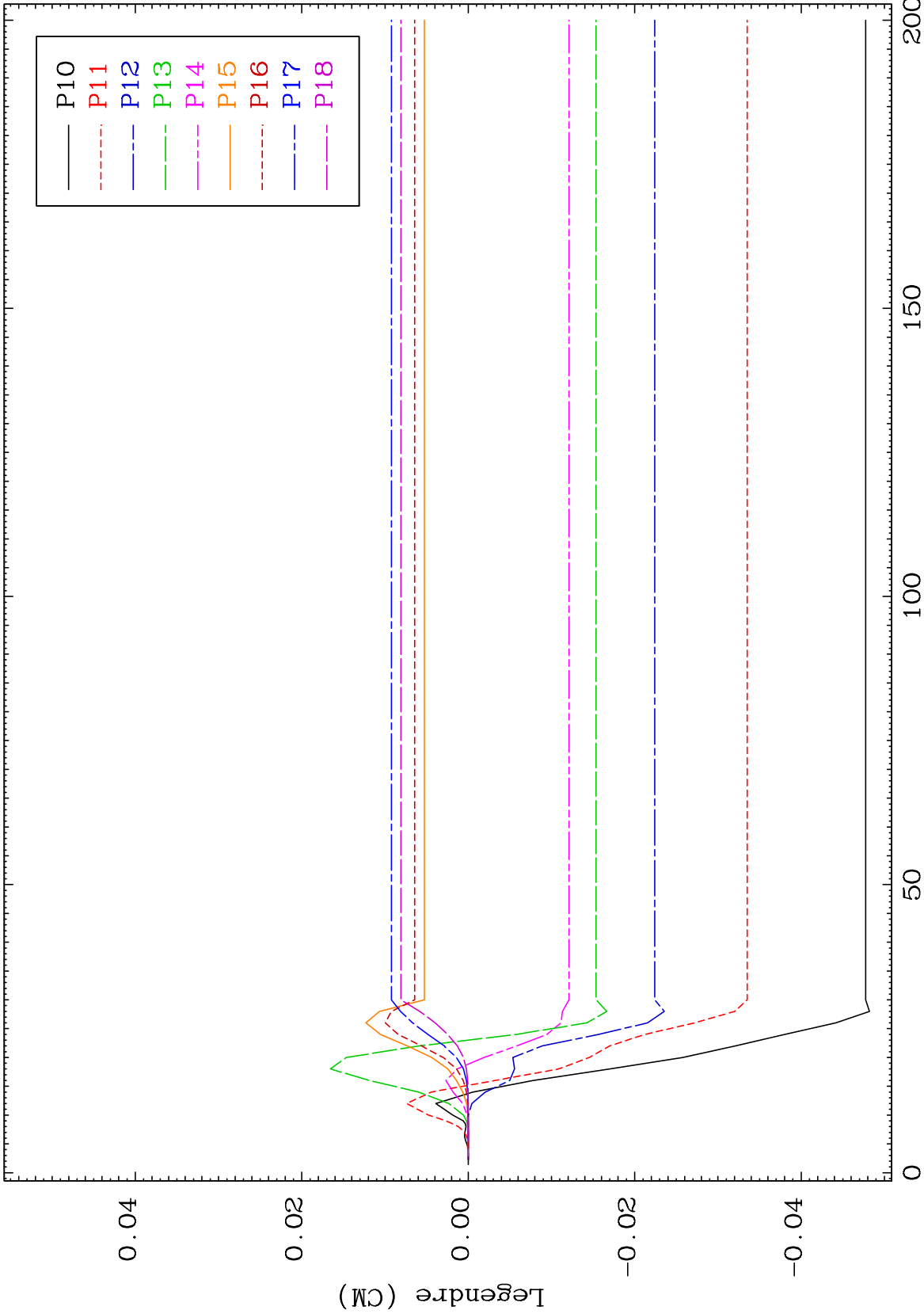


119 45-Rh-104

MAT 4528

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

45-Rh-104

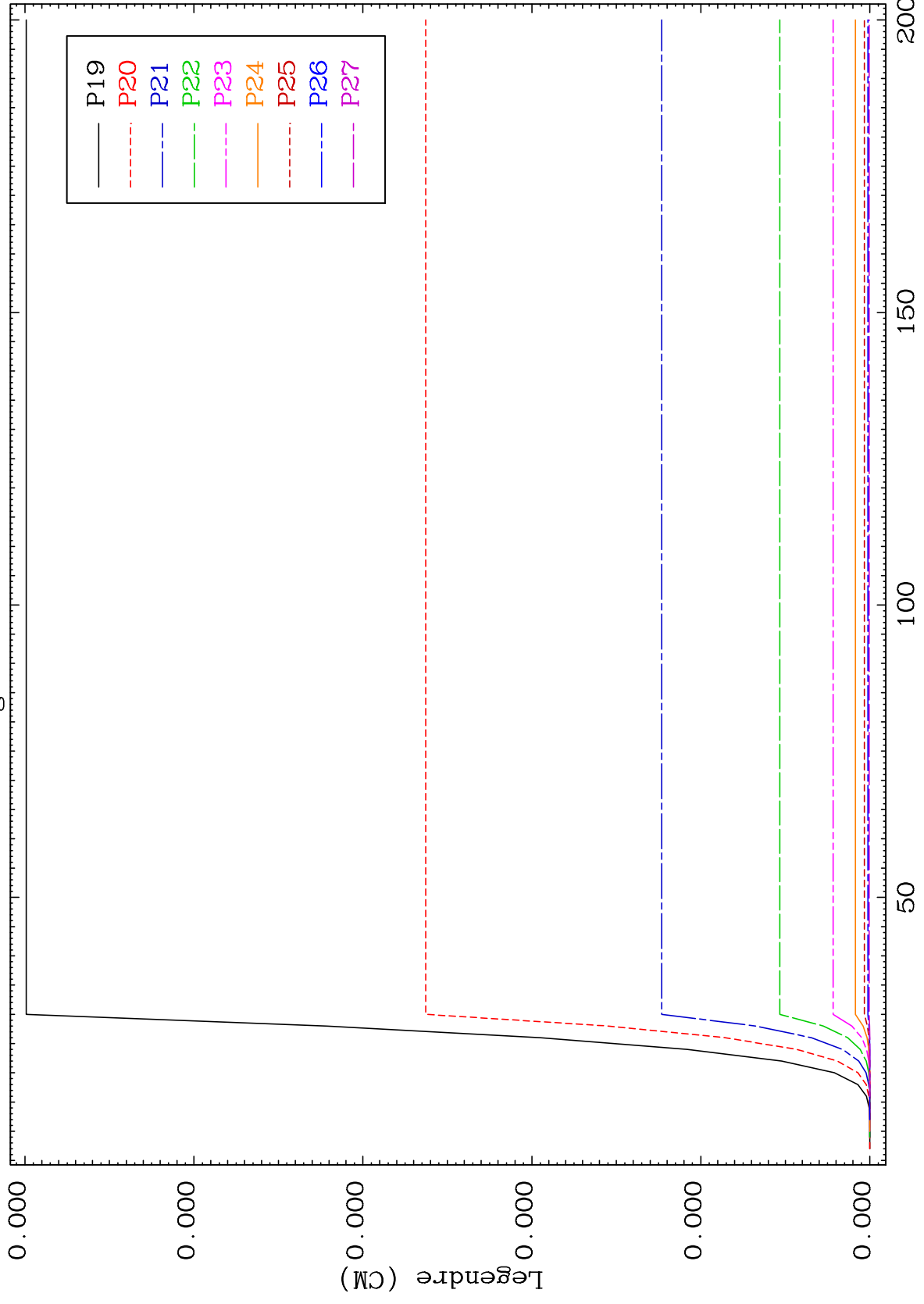


120

Incident Energy (MeV)

45-Rh-104

MAT 4528 MT= 80 (n,n') Level Legendre Coefficients 45-Rh-104

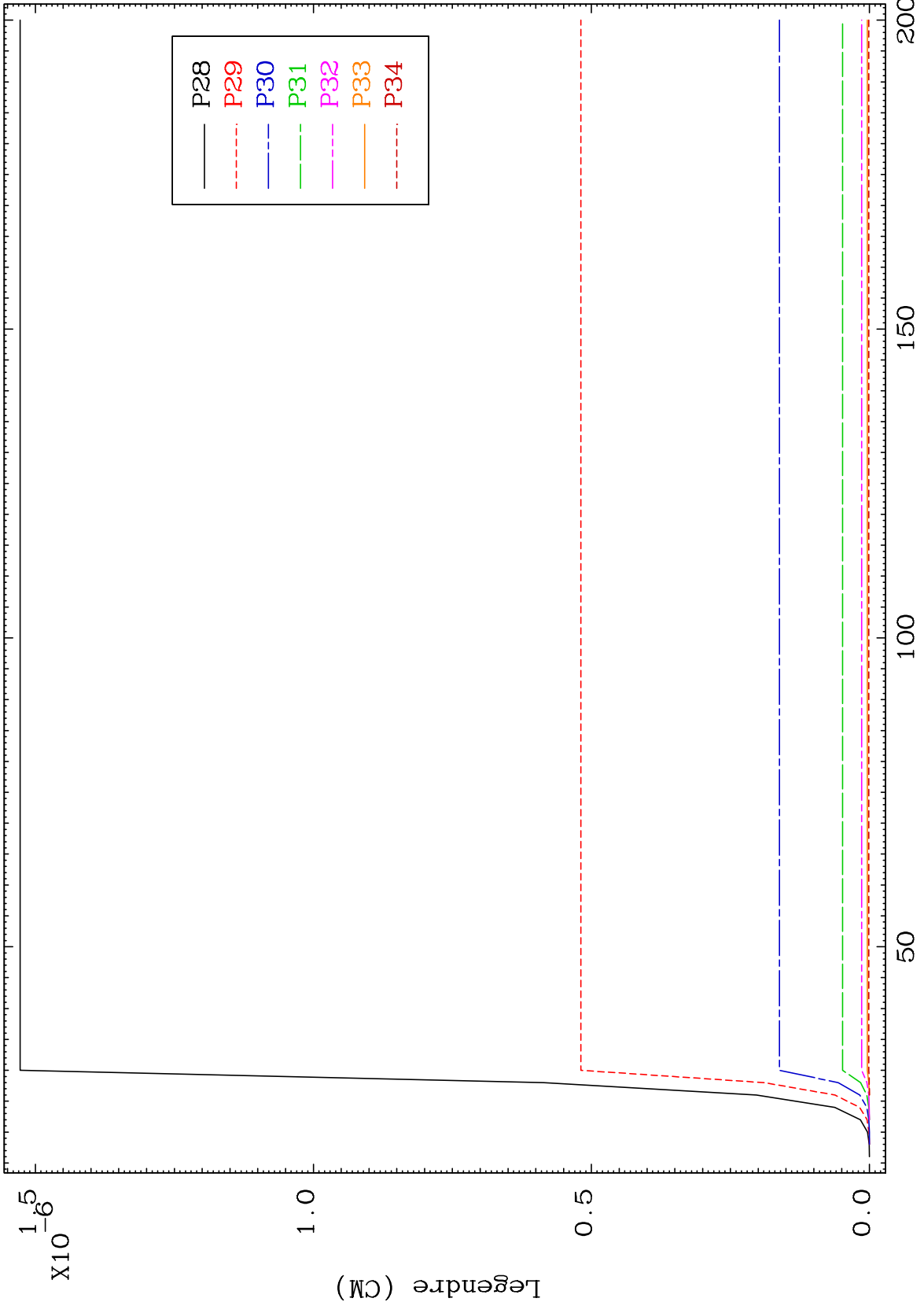


121 45-Rh-104

MAT 4528

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

45-Rh-104



122

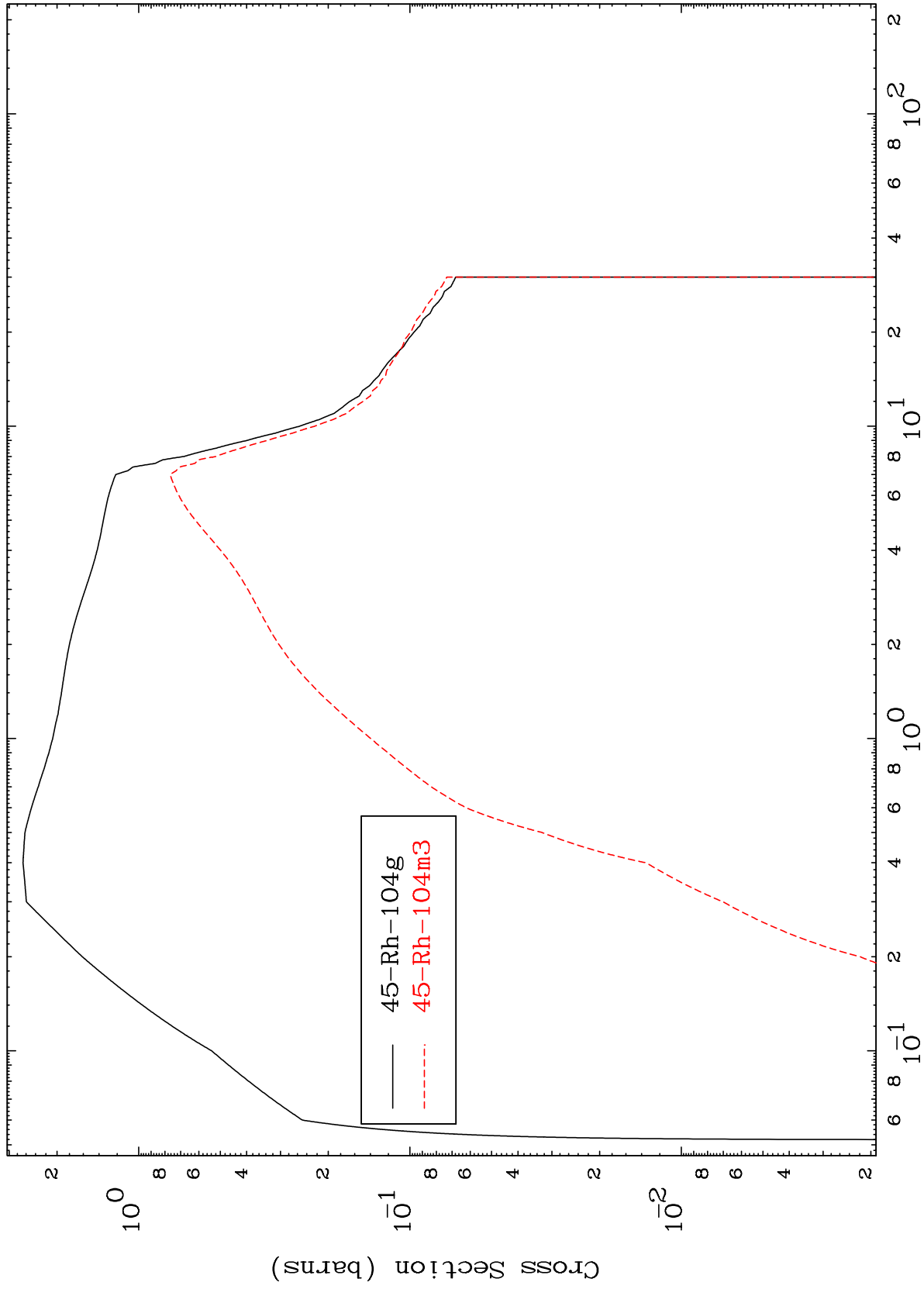
Incident Energy (MeV)

45-Rh-104

MAT 4528

45-Rh-104

Inelastic Radionuclide Production Cross Section



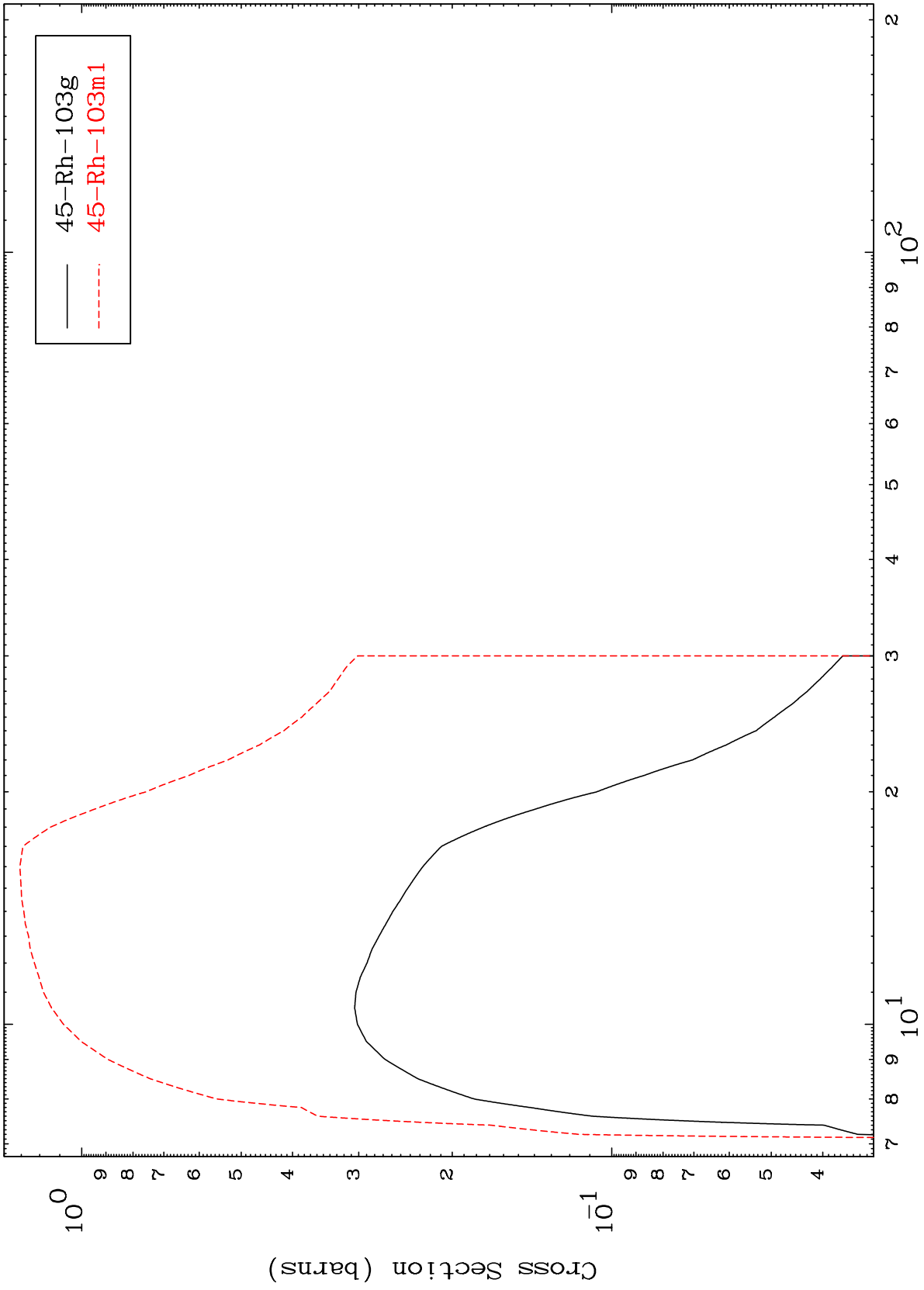
123

45-Rh-104

MAT 4528

45-Rh-104

(n,2n)
Radionuclide Production Cross Section



124

Incident Energy (MeV)

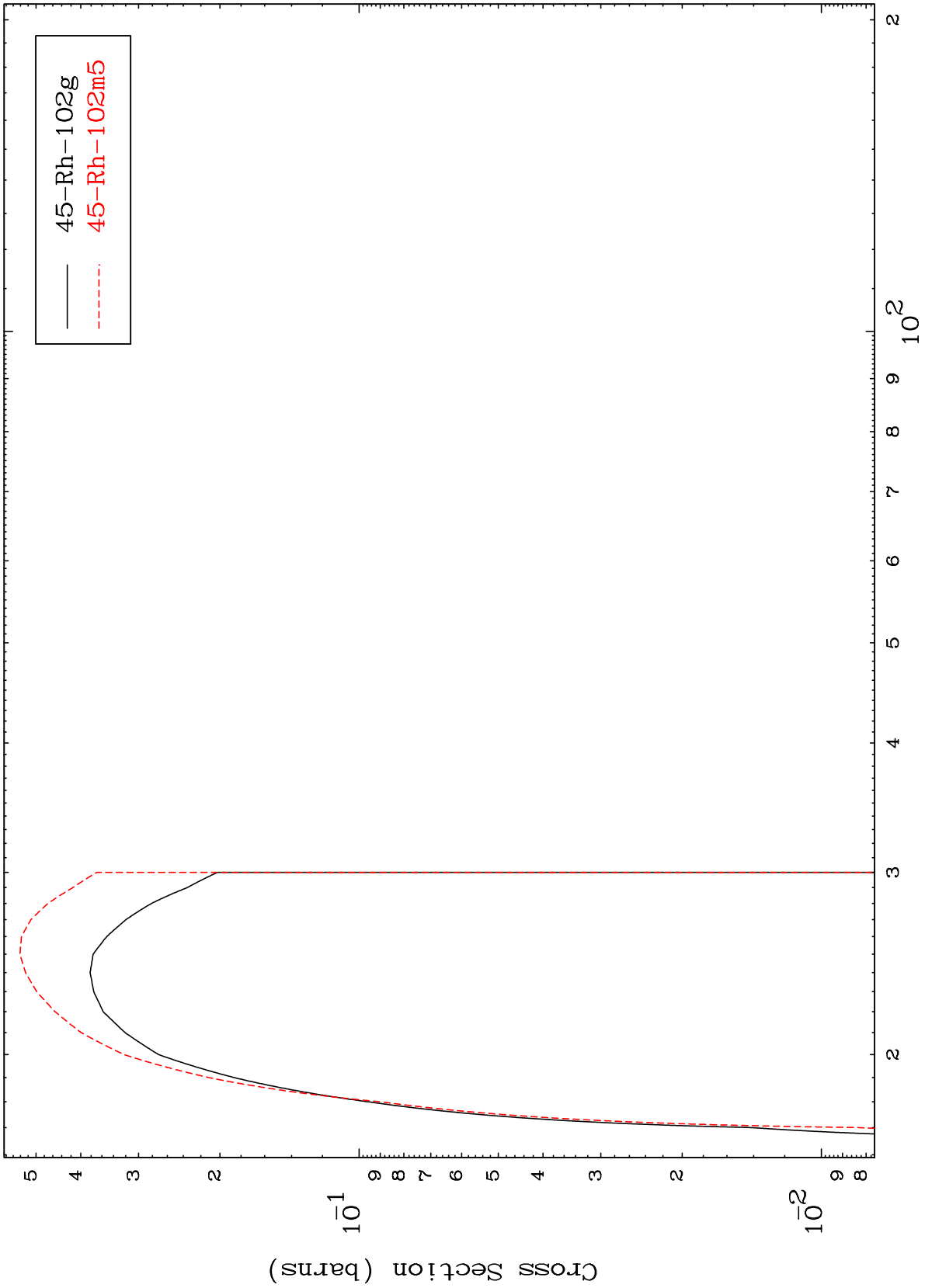
45-Rh-104

MAT 4528

(n,3n)

45-Rh-104

Radionuclide Production Cross Section



45-Rh-102g
45-Rh-102m5

125

Incident Energy (MeV)

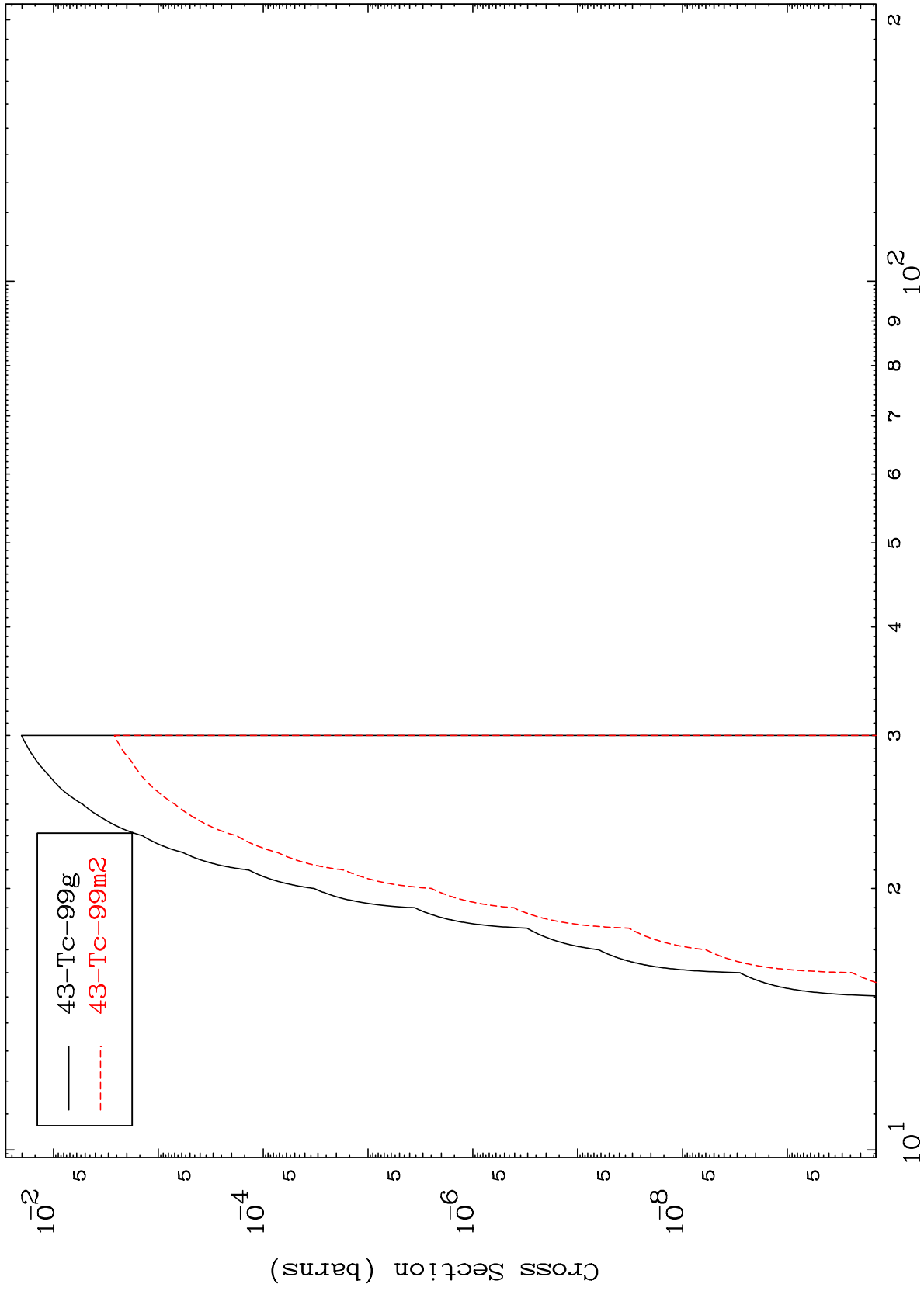
45-Rh-104

MAT 4528

(n,2n) α

45-Rh-104

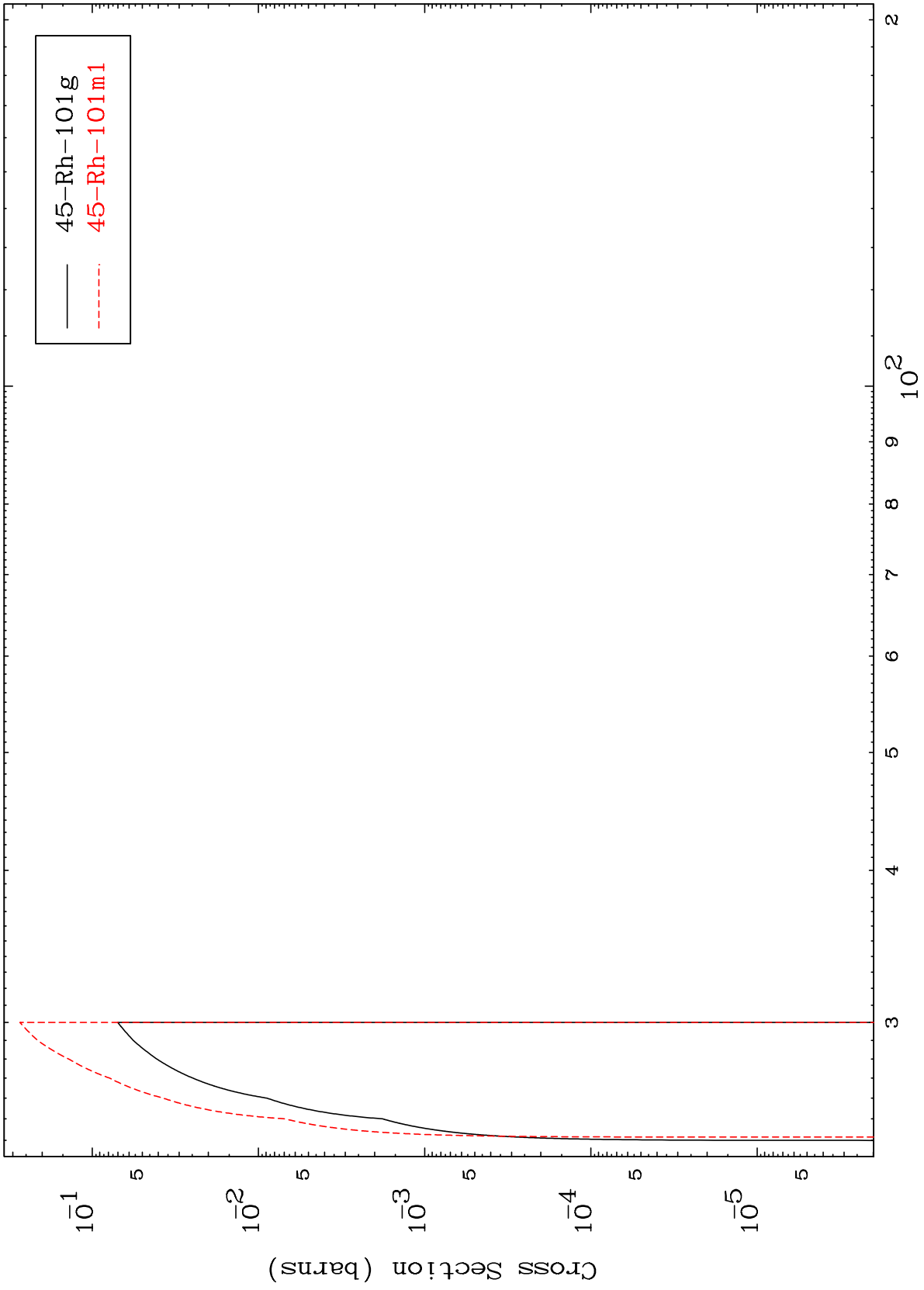
Radionuclide Production Cross Section



MAT 4528

45-Rh-104

(n,4n)
Radionuclide Production Cross Section



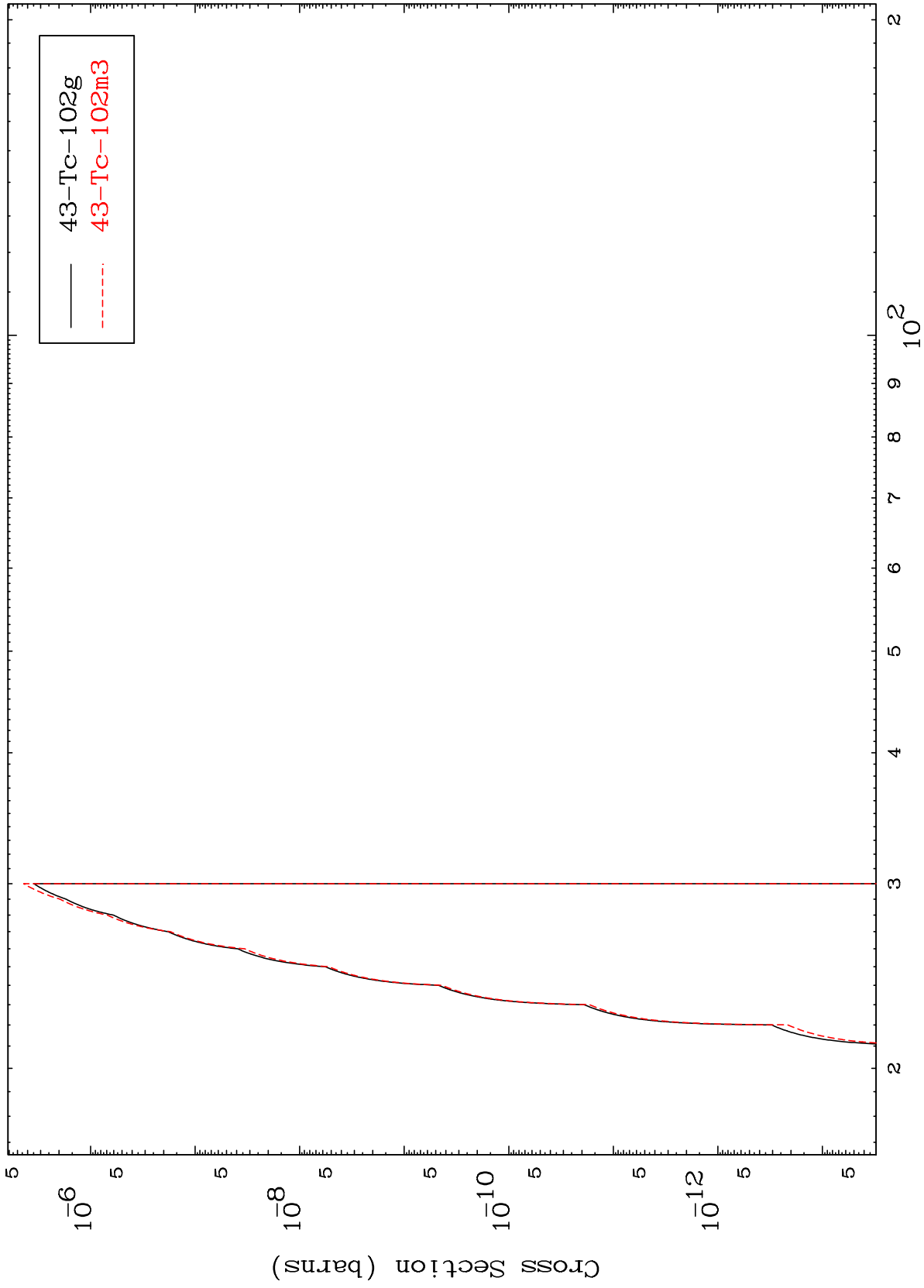
127

45-Rh-104

MAT 4528

45-Rh-104

(n,2n) p
Radionuclide Production Cross Section



128

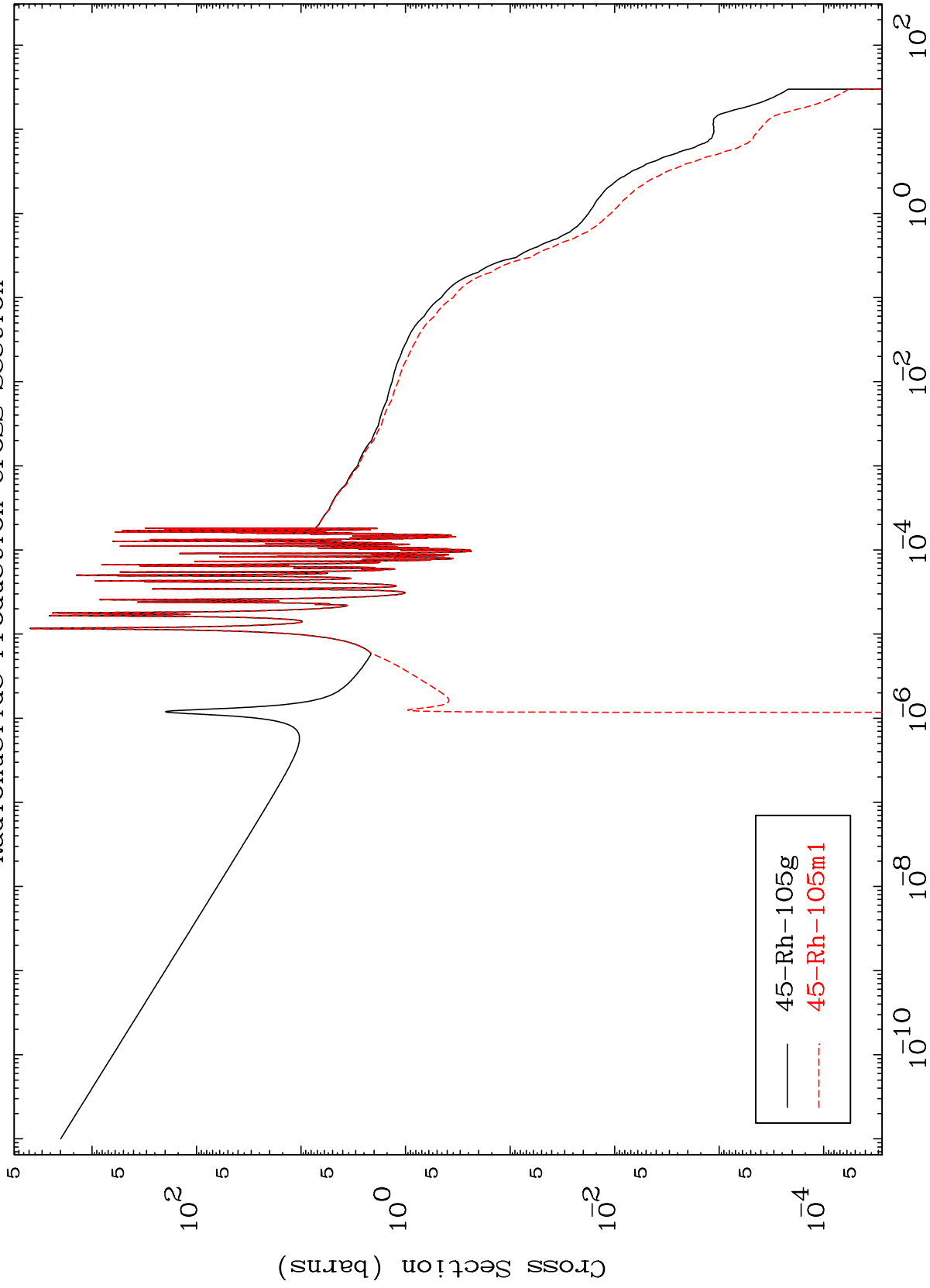
45-Rh-104

MAT 4528

45-Rh-104

Radionuclide Production Cross Section

(n, γ)



129

Incident Energy (MeV)

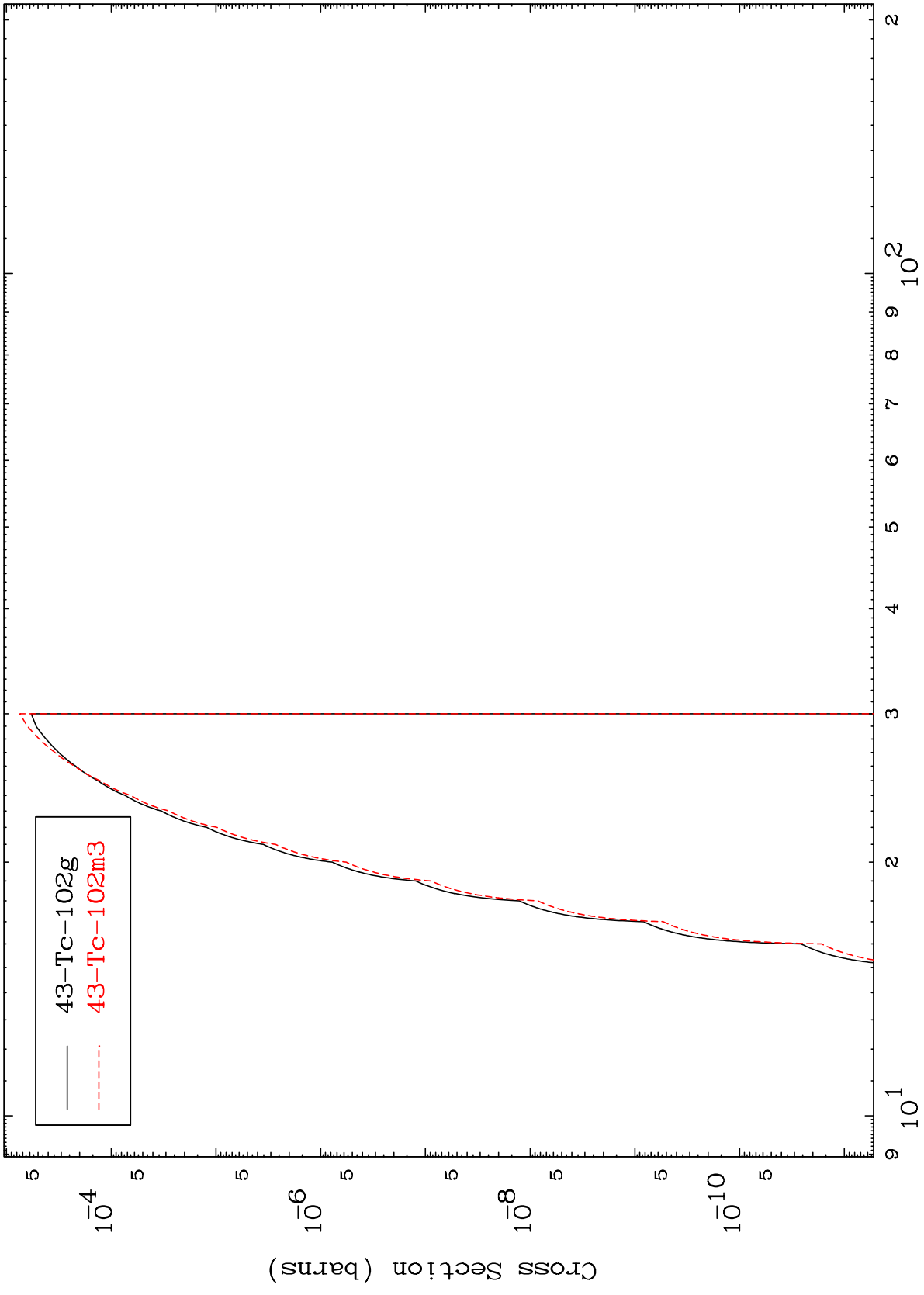
45-Rh-104

MAT 4528

(n, He-3)

45-Rh-104

Radionuclide Production Cross Section



130

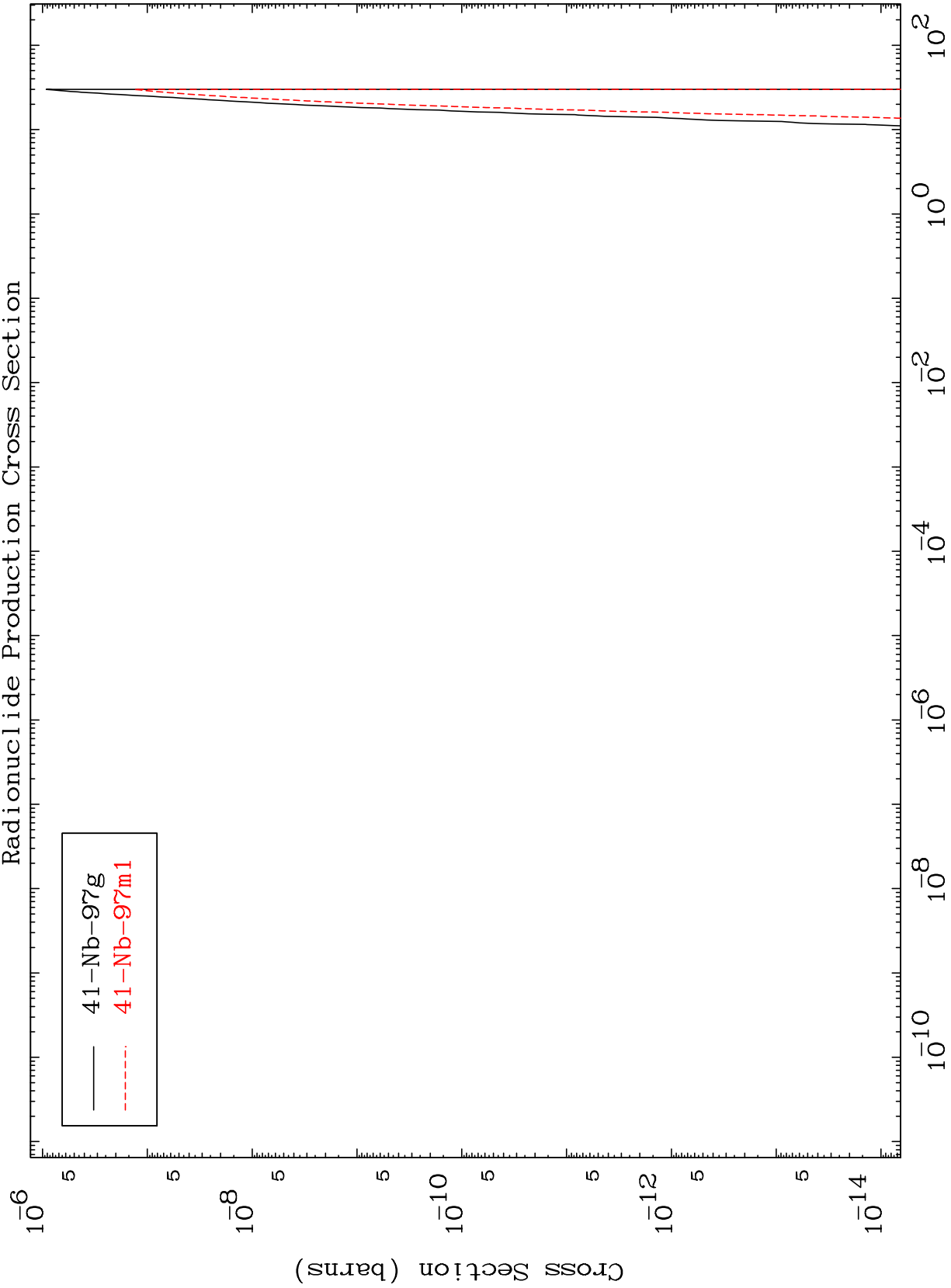
45-Rh-104

MAT 4528

(n,2α)

45-Rh-104

Radionuclide Production Cross Section



— 41-Nb-97g
- - - 41-Nb-97m1

131

Incident Energy (MeV)

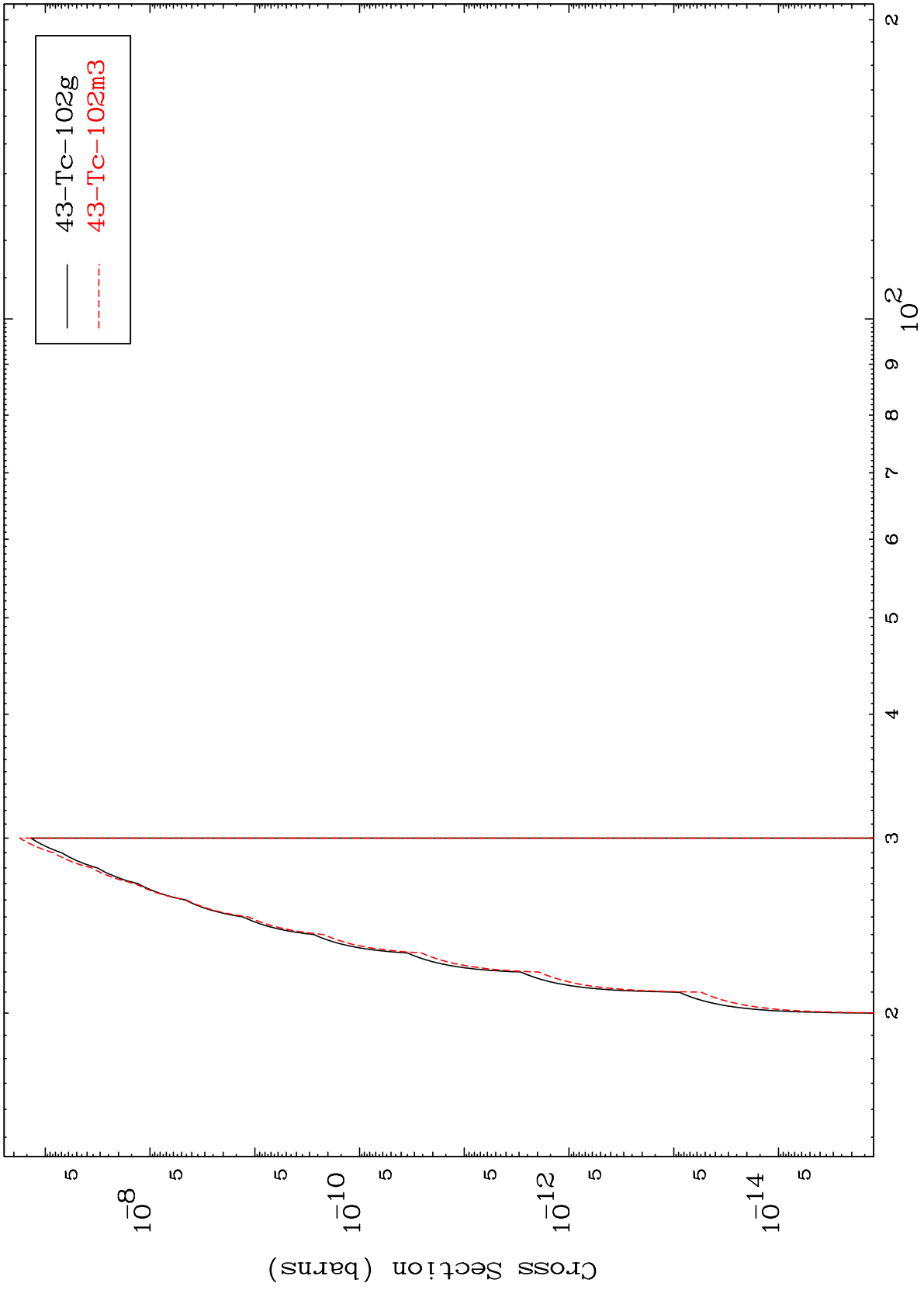
45-Rh-104

MAT 4528

(n,p) d

45-Rh-104

Radionuclide Production Cross Section



132

Incident Energy (MeV)

45-Rh-104