

Program EVALPLOT
(Version 2018-1)

by

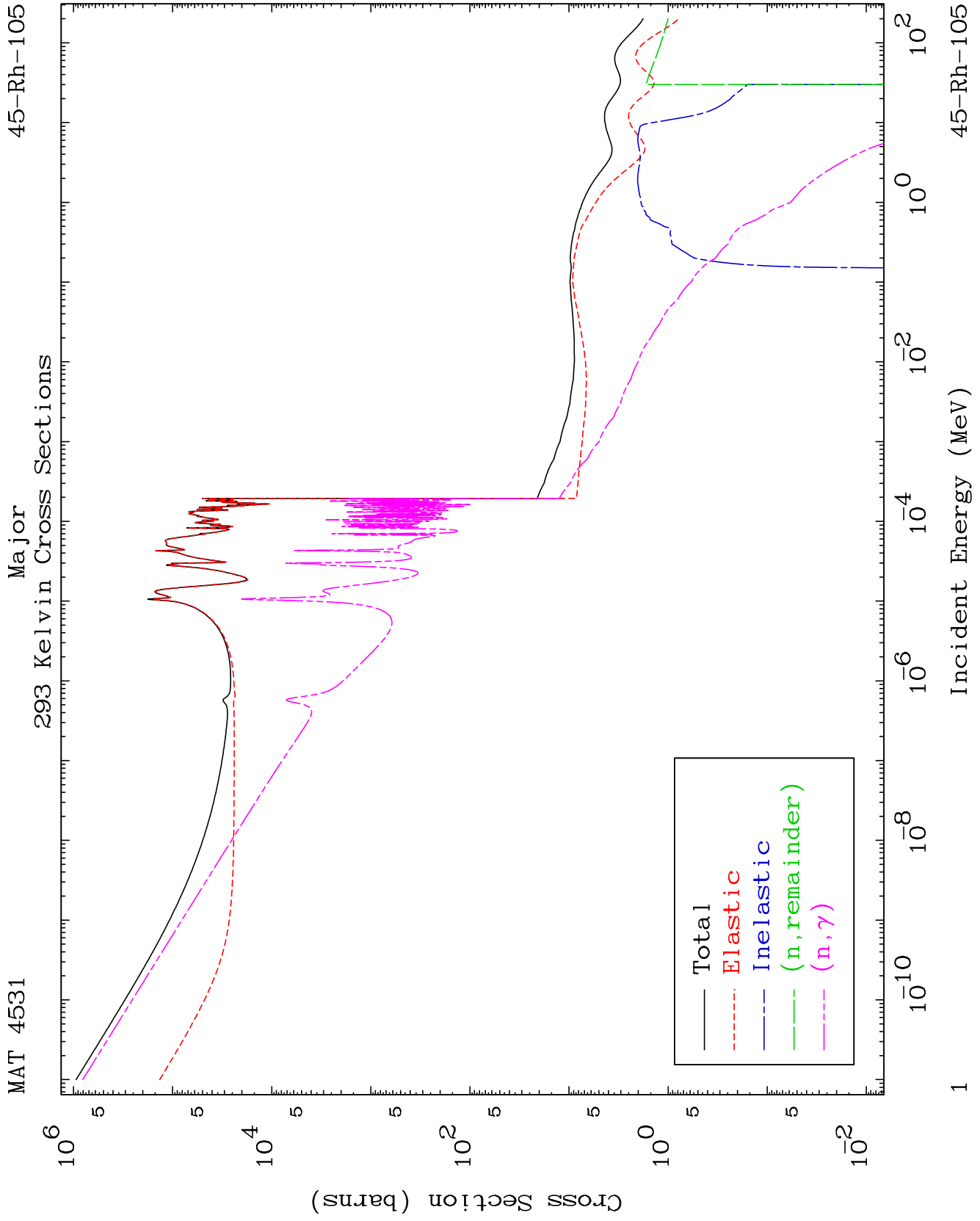
Dermott E. Cullen
(Present Contact Information)

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

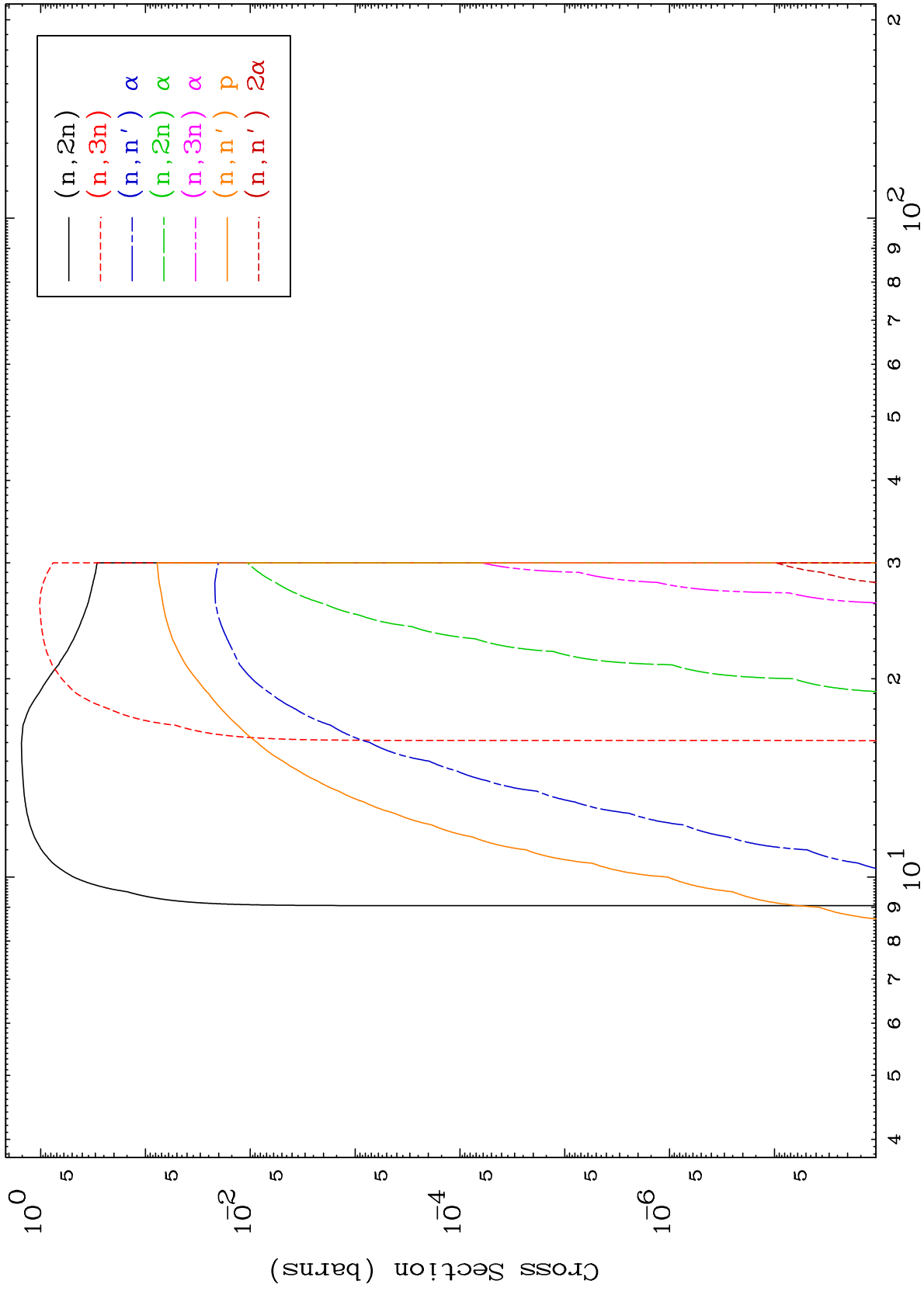
Press Mouse Button to Start



MAT 4531

Neutron Production
293 Kelvin Cross Sections

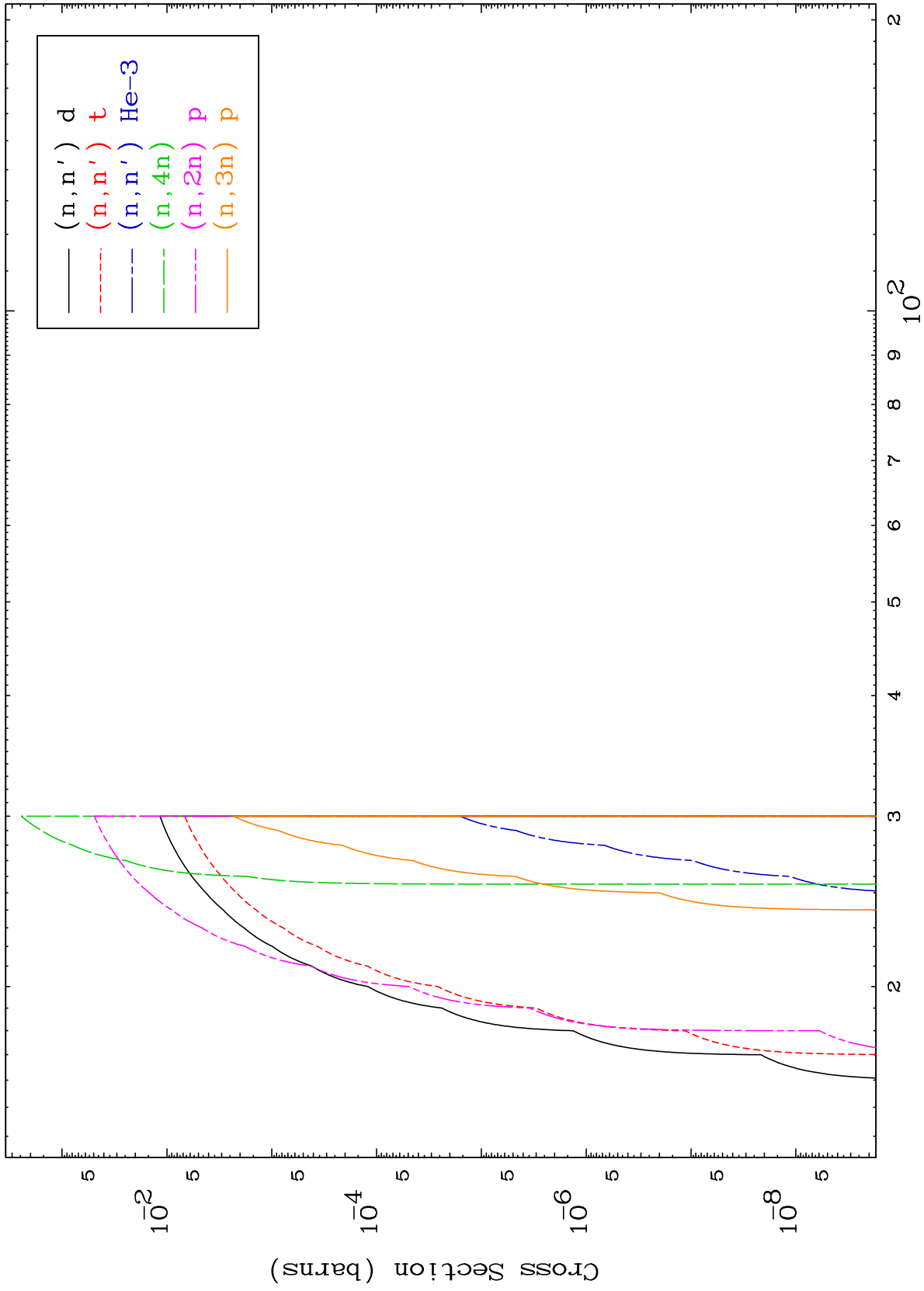
45-Rh-105



2

Incident Energy (MeV)

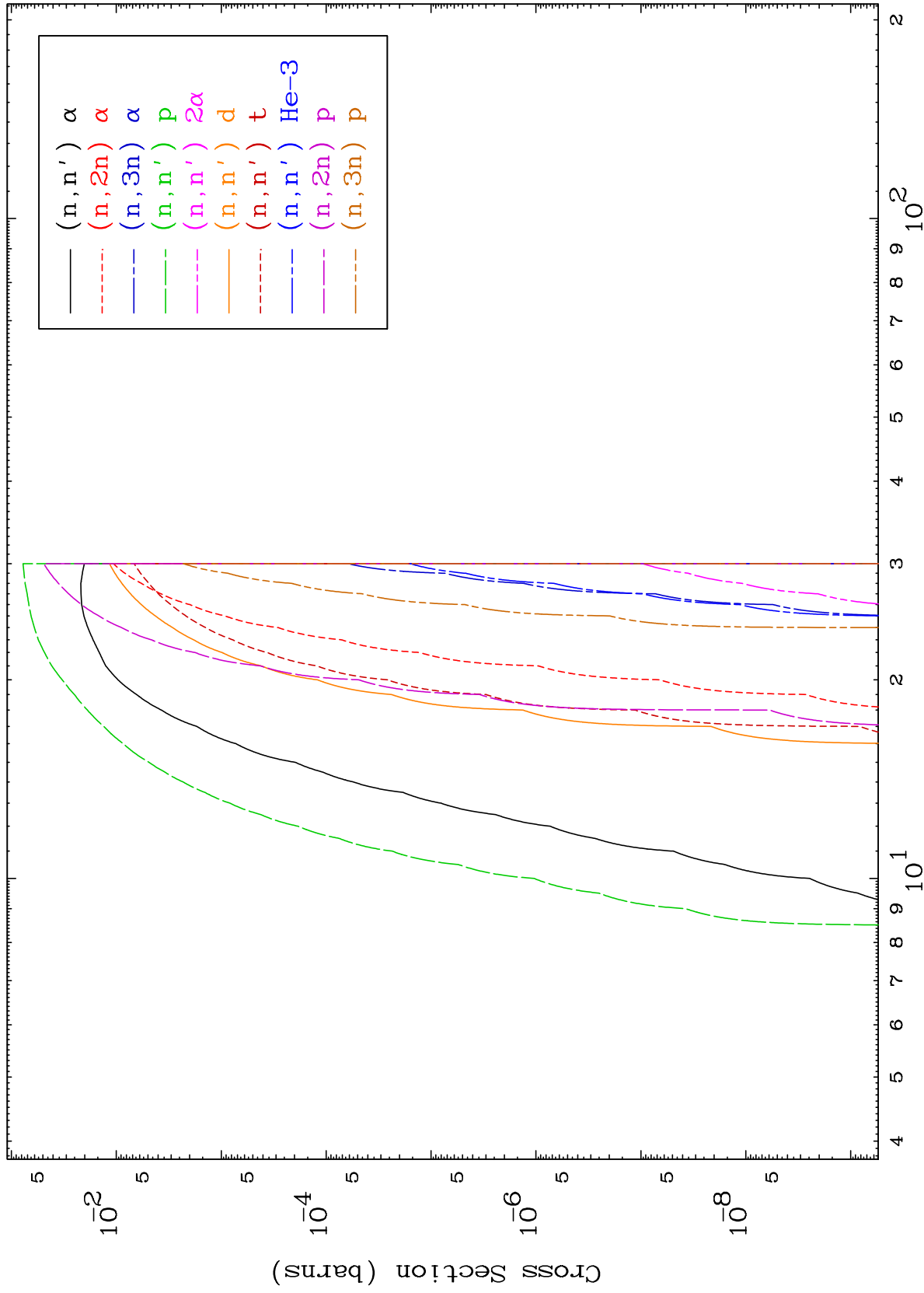
45-Rh-105



MAT 4531

Charged Particle
293 Kelvin Cross Sections

45-Rh-105



4

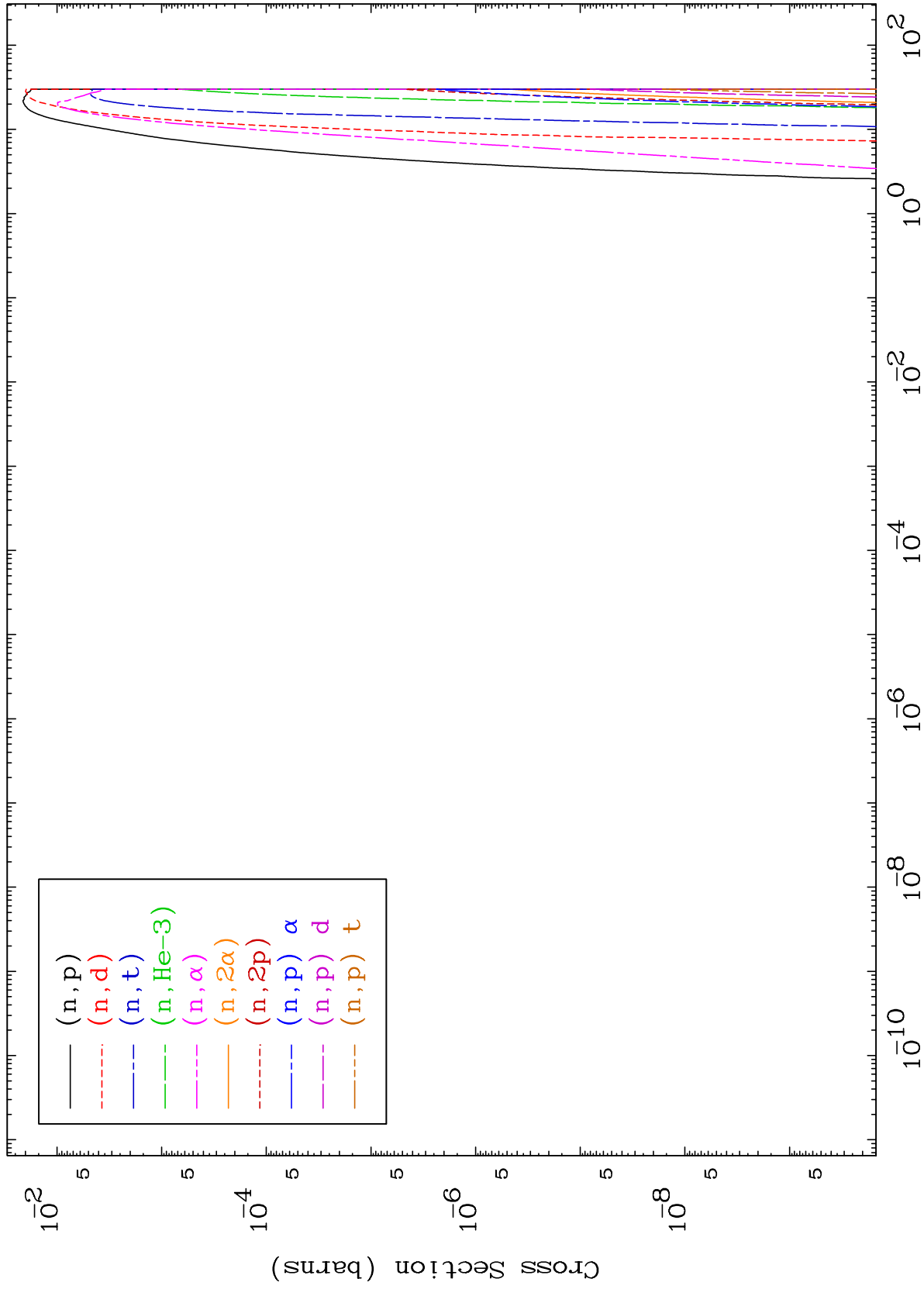
Incident Energy (MeV)

45-Rh-105

MAT 4531

Charged Particle
293 Kelvin Cross Sections

45-Rh-105



5

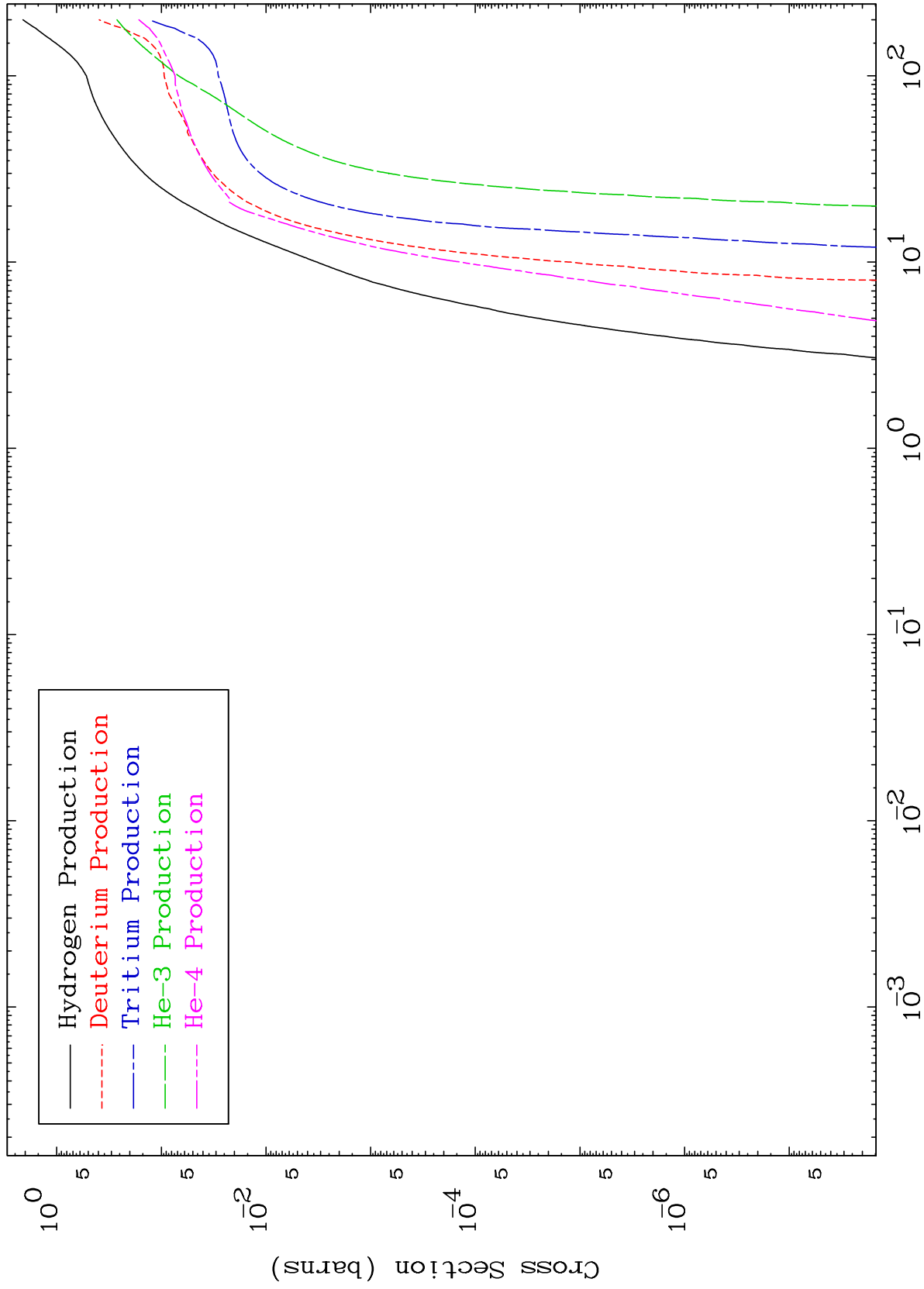
Incident Energy (MeV)

45-Rh-105

MAT 4531

Particle Production
293 Kelvin Cross Sections

45-Rh-105

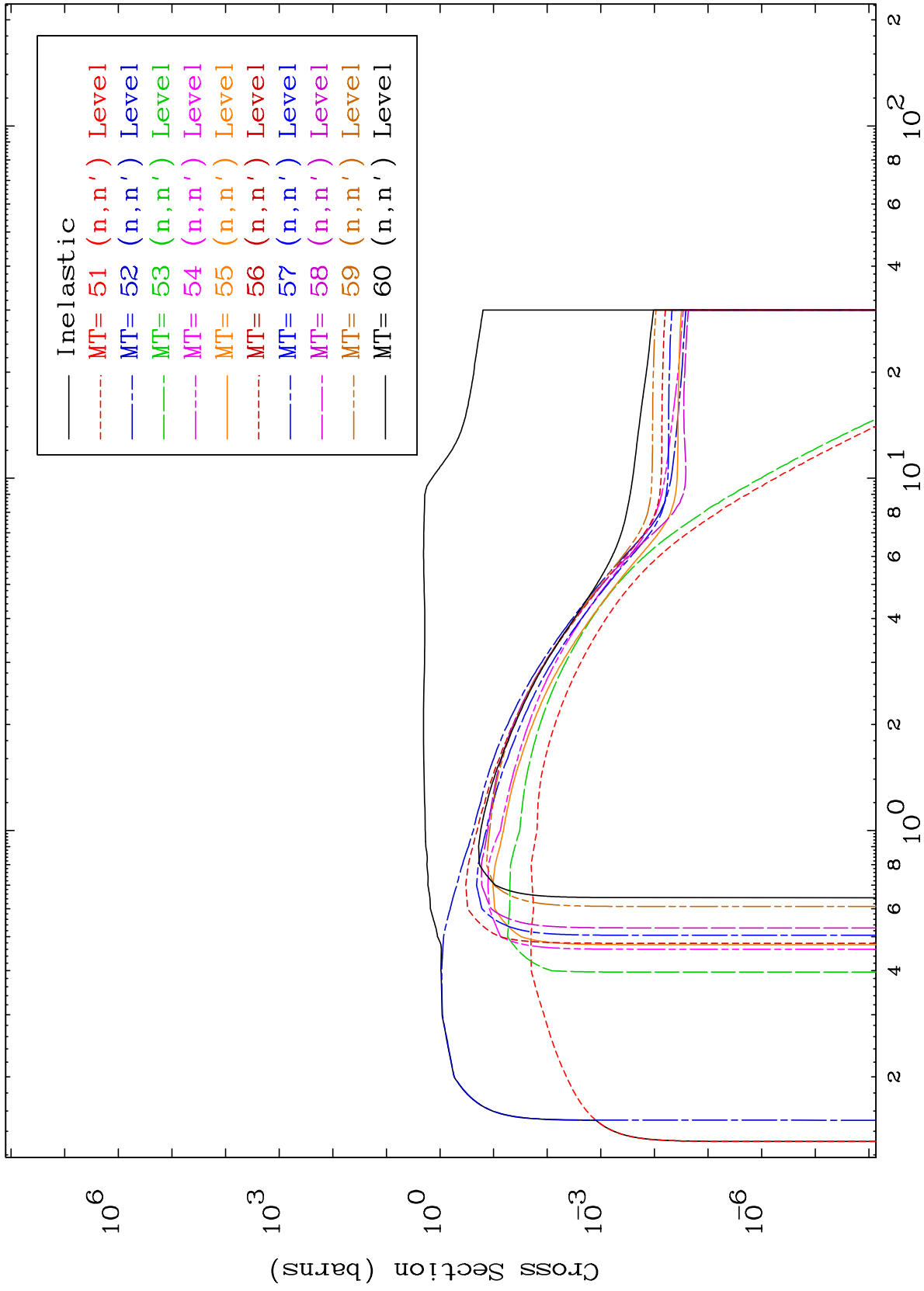


MAT 4531

(n,n') Level

293 Kelvin Cross Sections

45-Rh-105

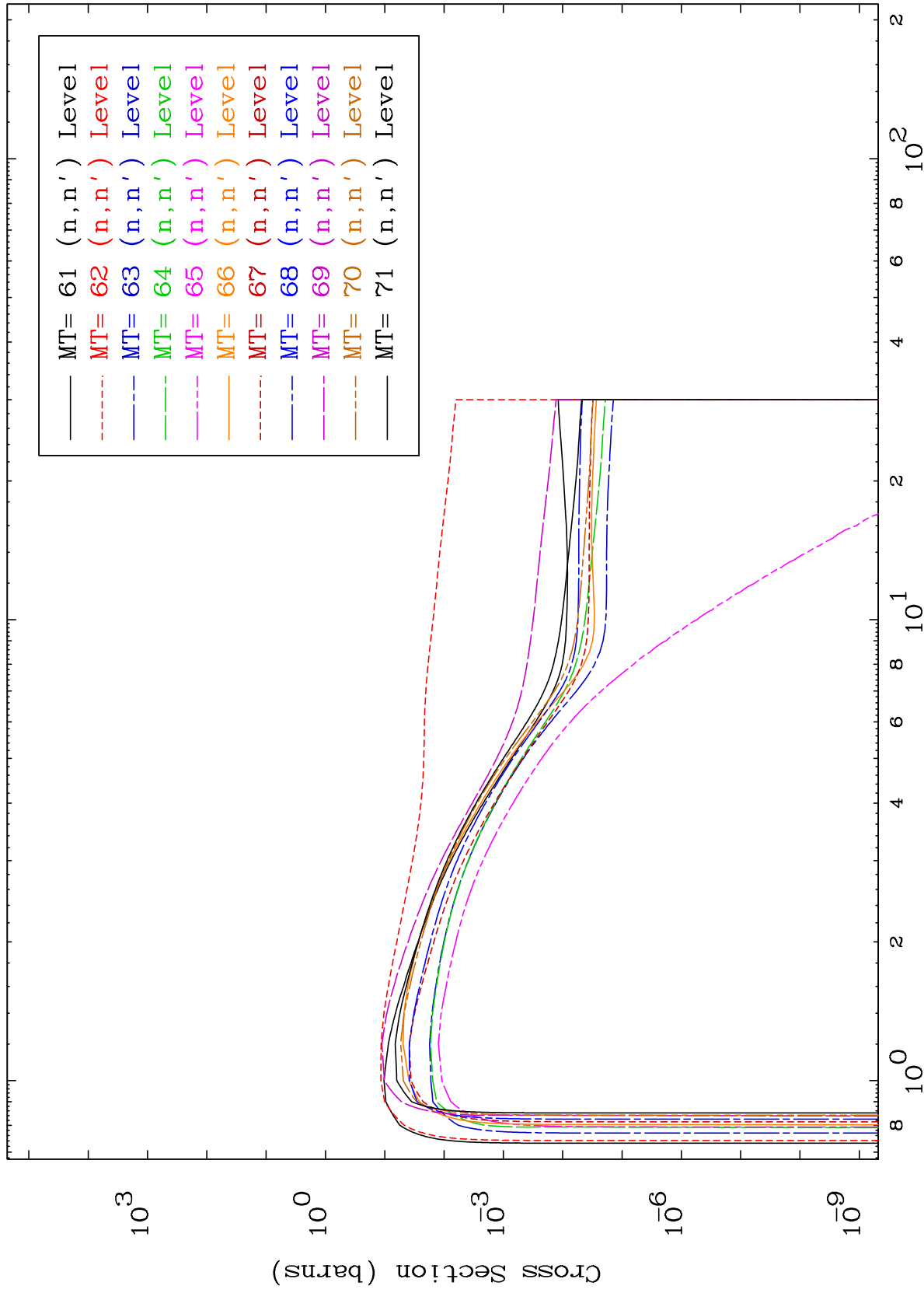


MAT 4531

(n,n') Level

45-Rh-105

293 Kelvin Cross Sections



8

Incident Energy (MeV)

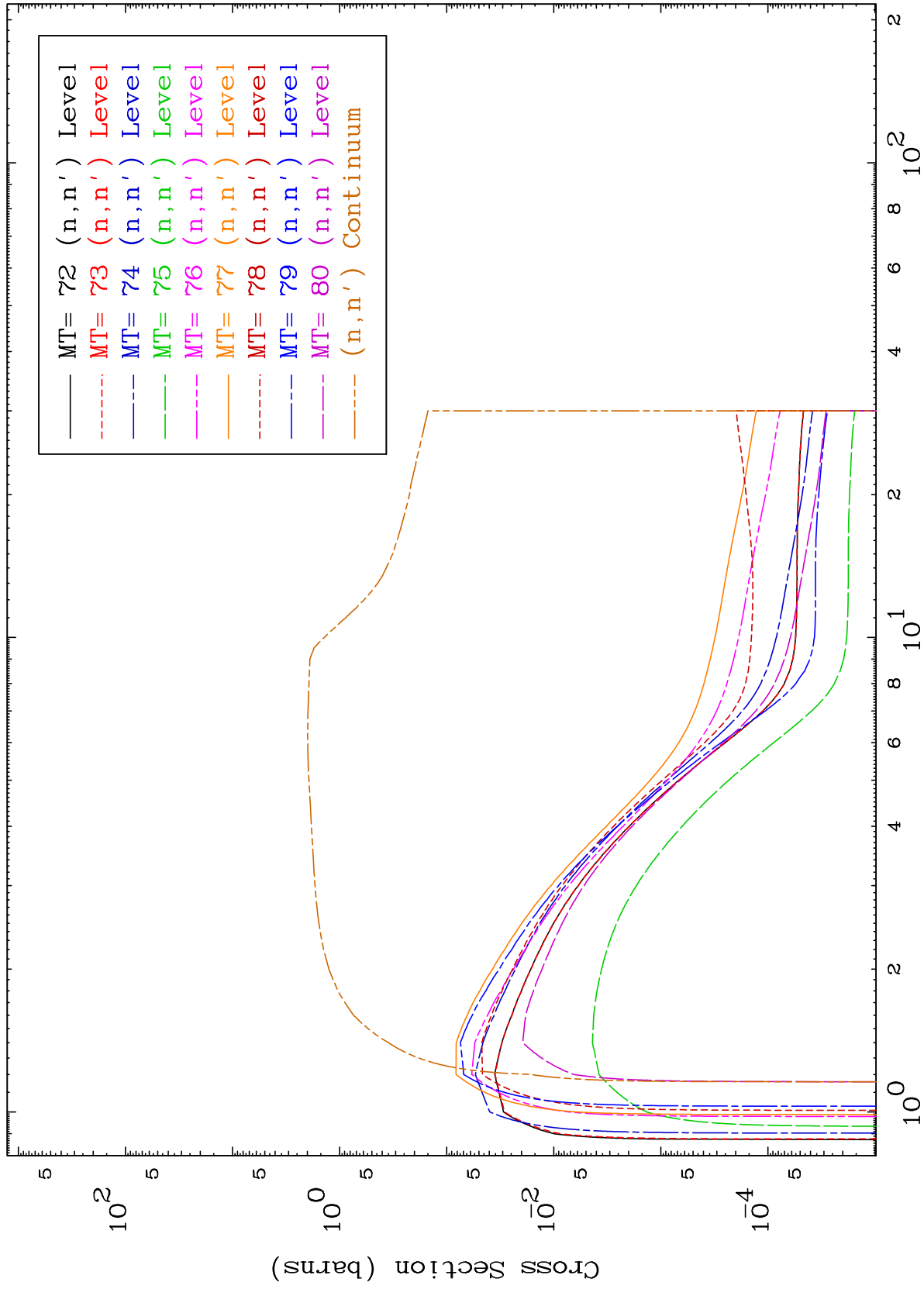
45-Rh-105

MAT 4531

(n,n') Level

45-Rh-105

293 Kelvin Cross Sections



9

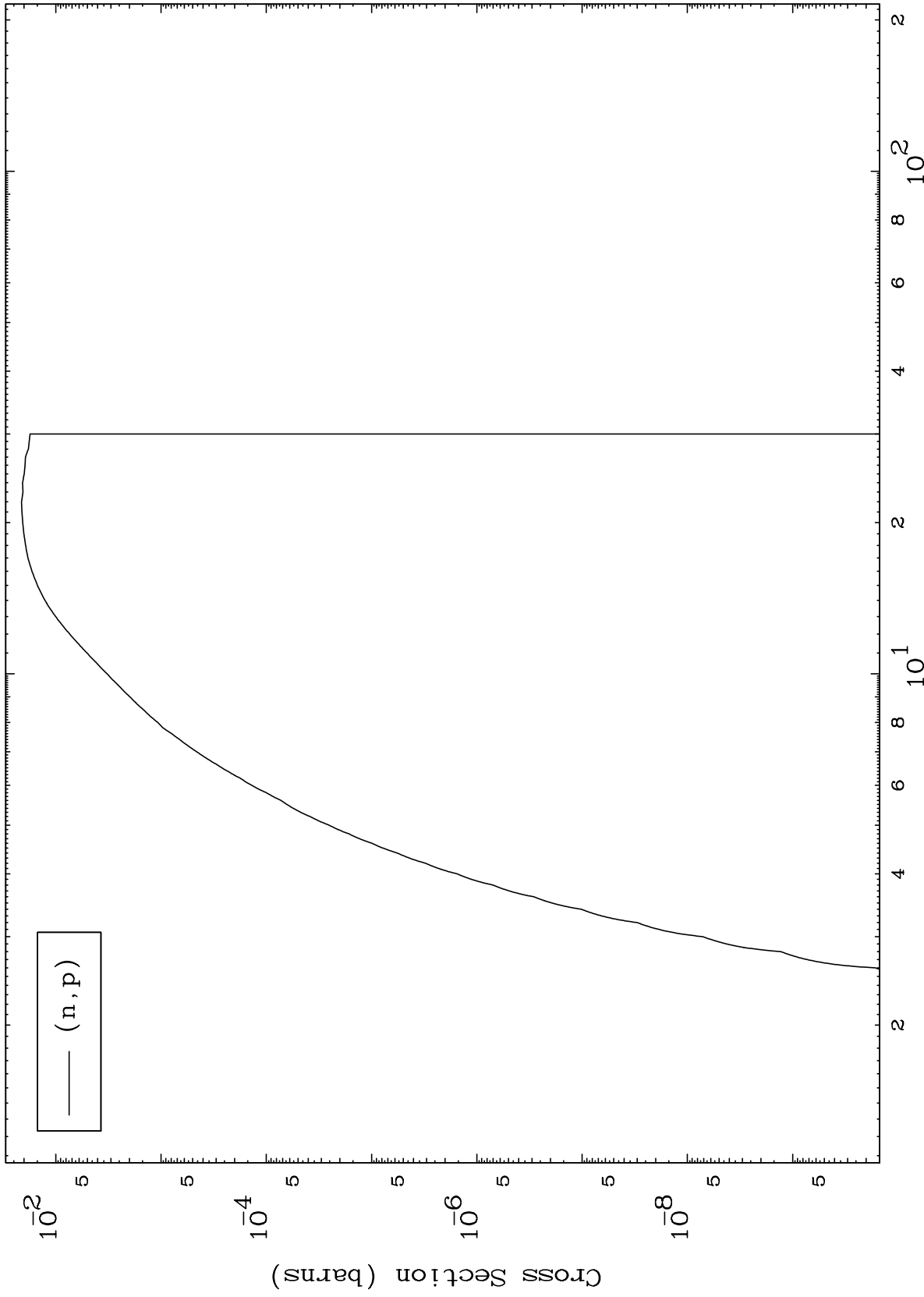
Incident Energy (MeV)

45-Rh-105

MAT 4531

(n,p) Levels
293 Kelvin Cross Sections

45-Rh-105



10

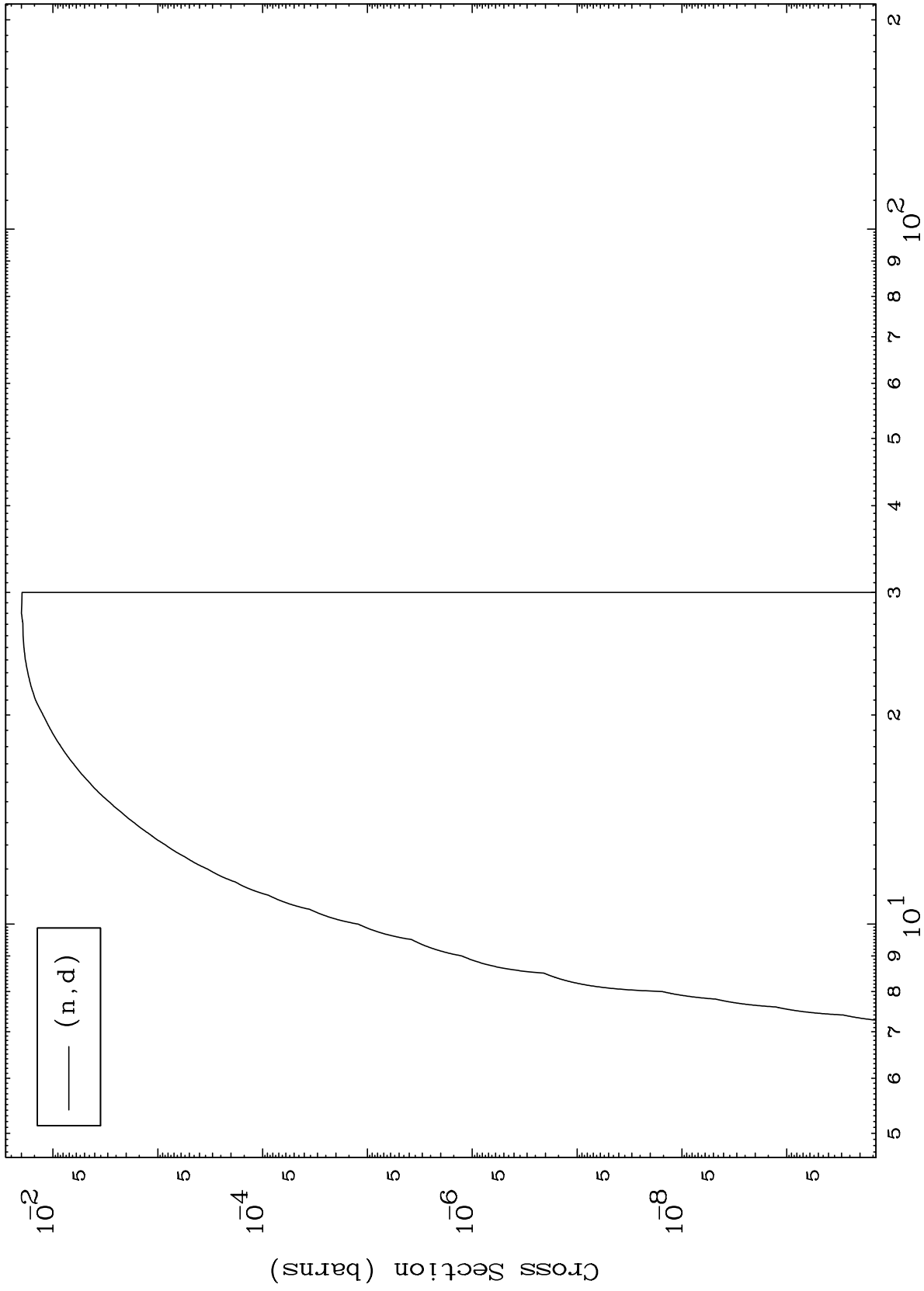
Incident Energy (MeV)

45-Rh-105

MAT 4531

(n,d) Levels
293 Kelvin Cross Sections

45-Rh-105



11

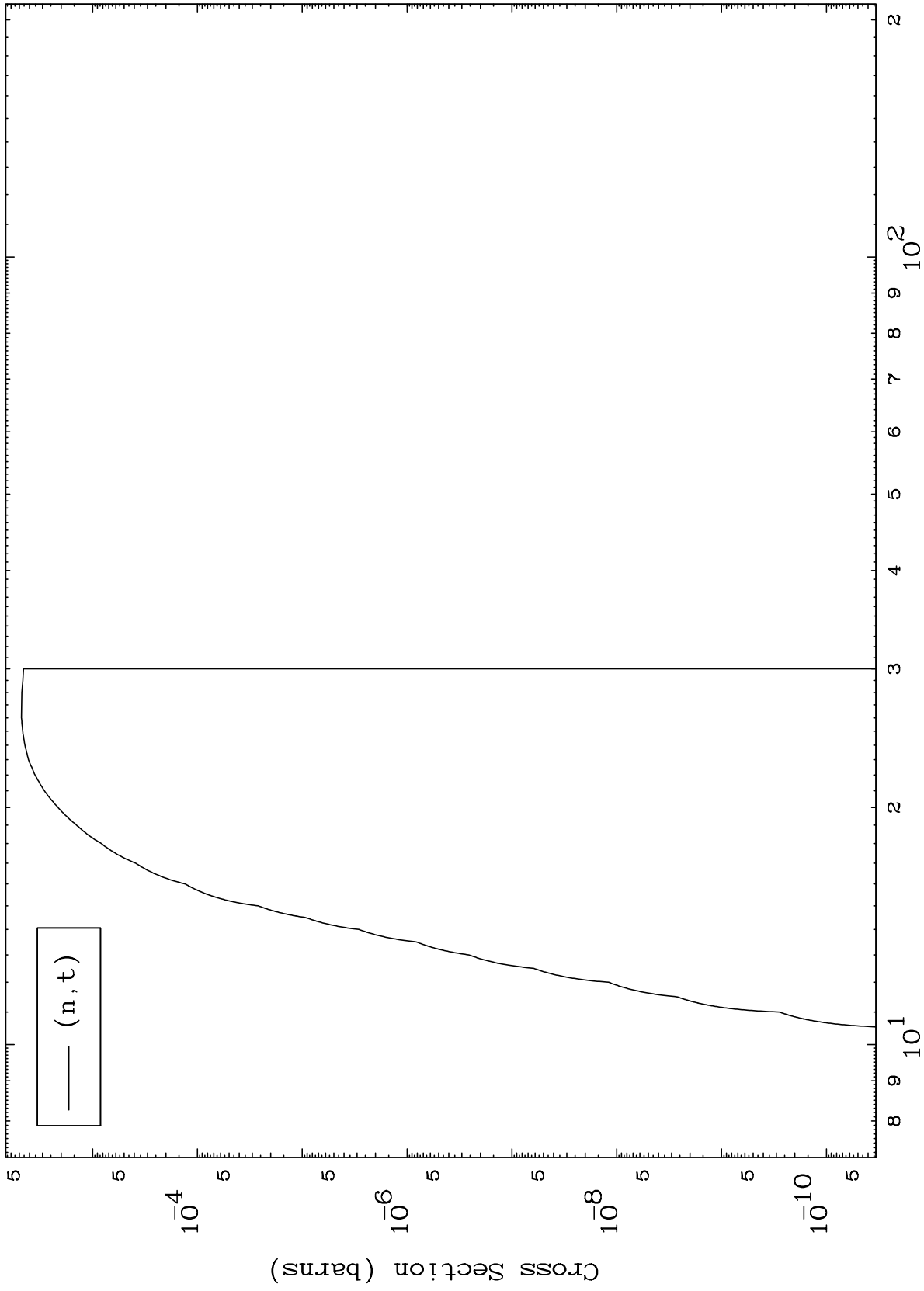
Incident Energy (MeV)

45-Rh-105

MAT 4531

(n,t) Levels
293 Kelvin Cross Sections

45-Rh-105



12

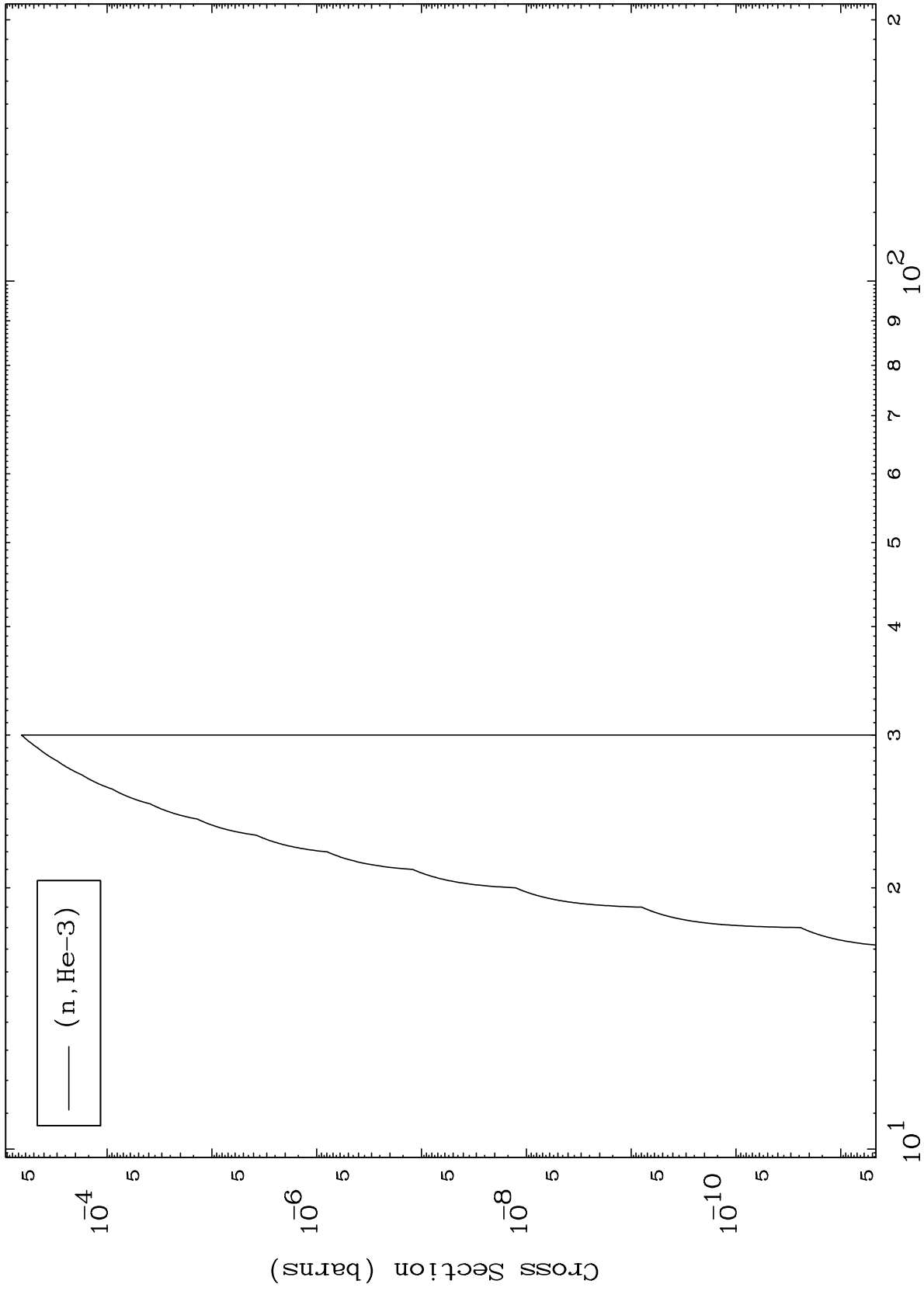
Incident Energy (MeV)

45-Rh-105

MAT 4531

(n,He3) Levels
293 Kelvin Cross Sections

45-Rh-105



13

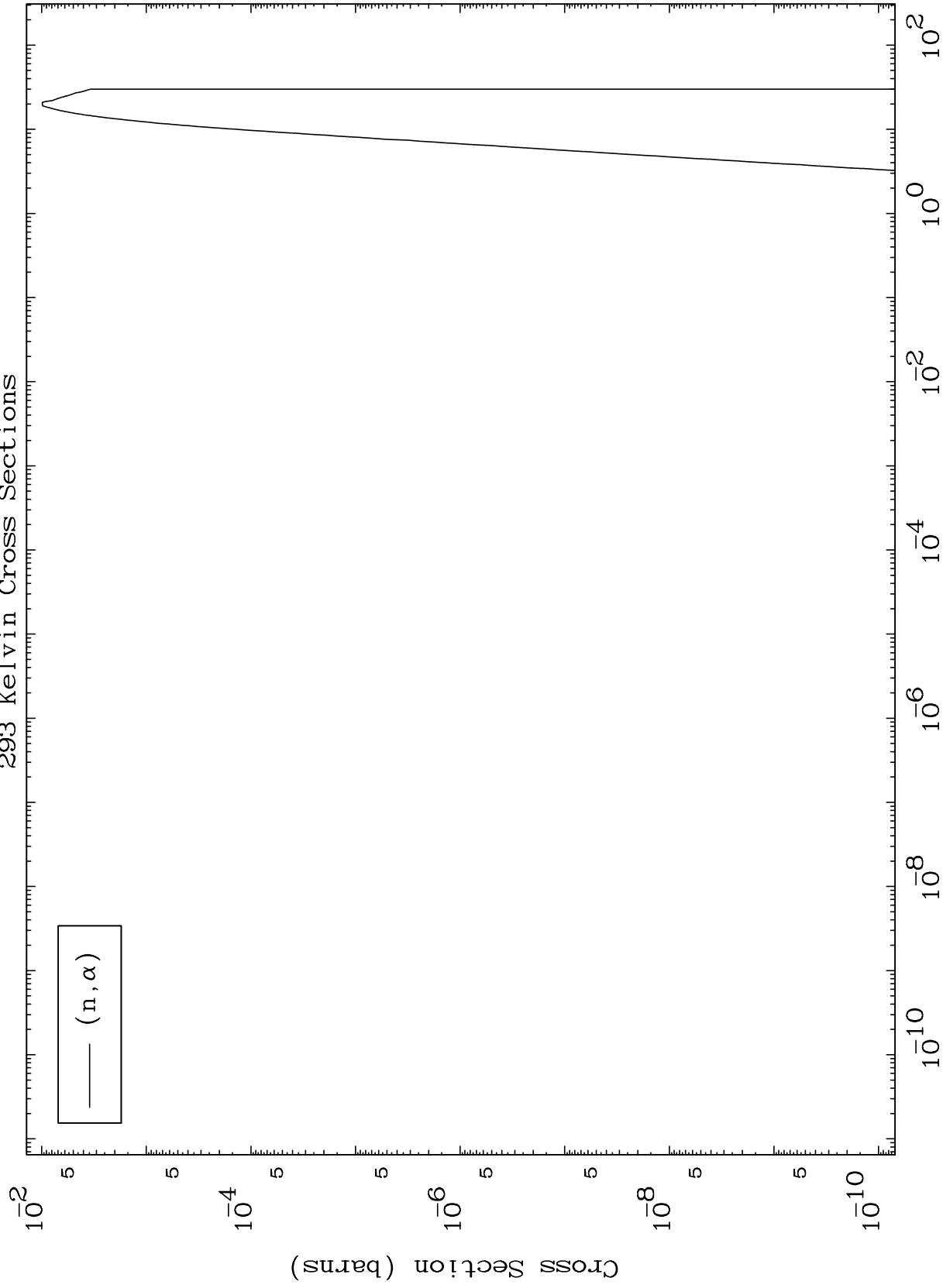
Incident Energy (MeV)

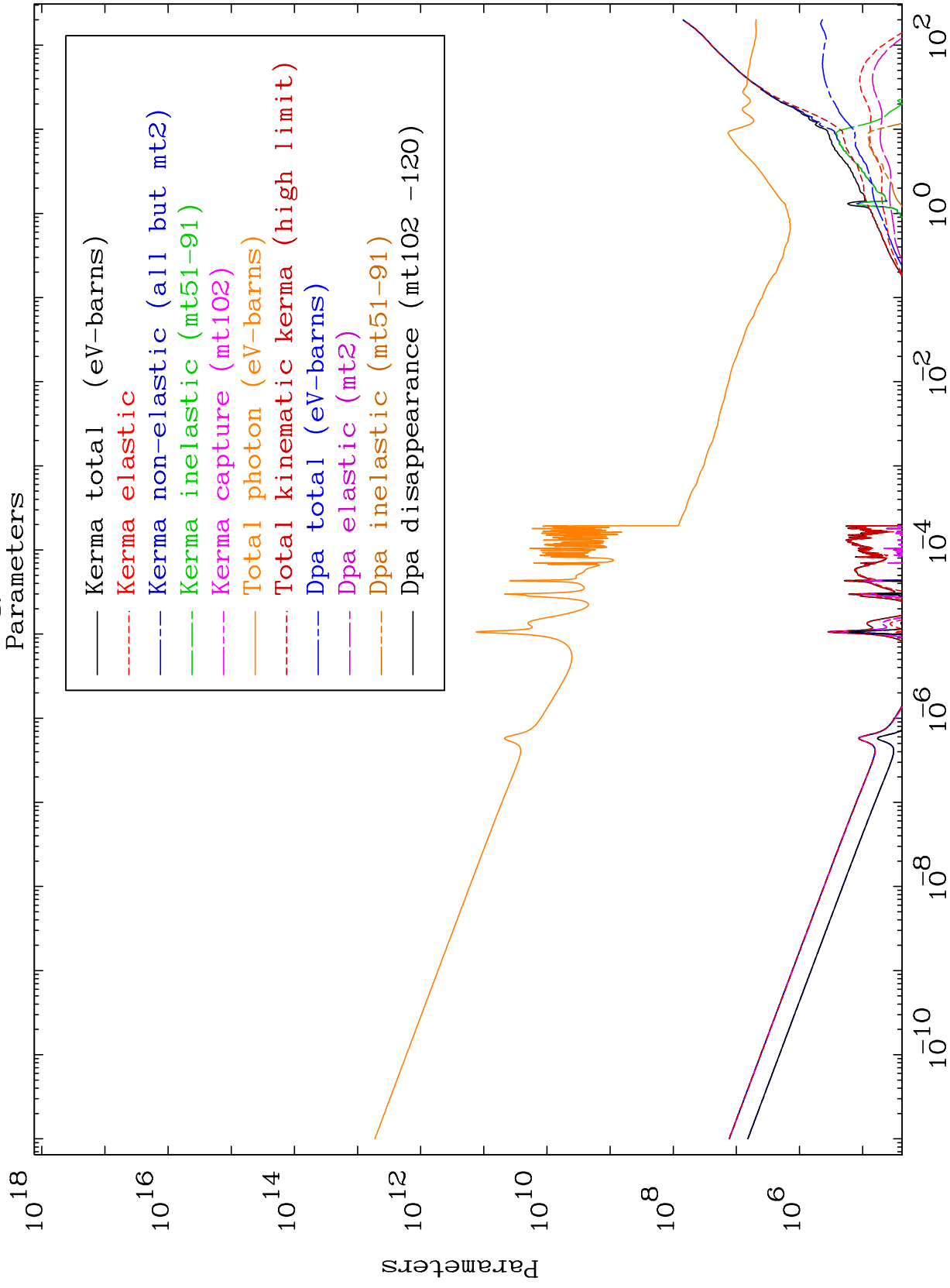
45-Rh-105

MAT 4531

(n,α) Levels
293 Kelvin Cross Sections

45-Rh-105

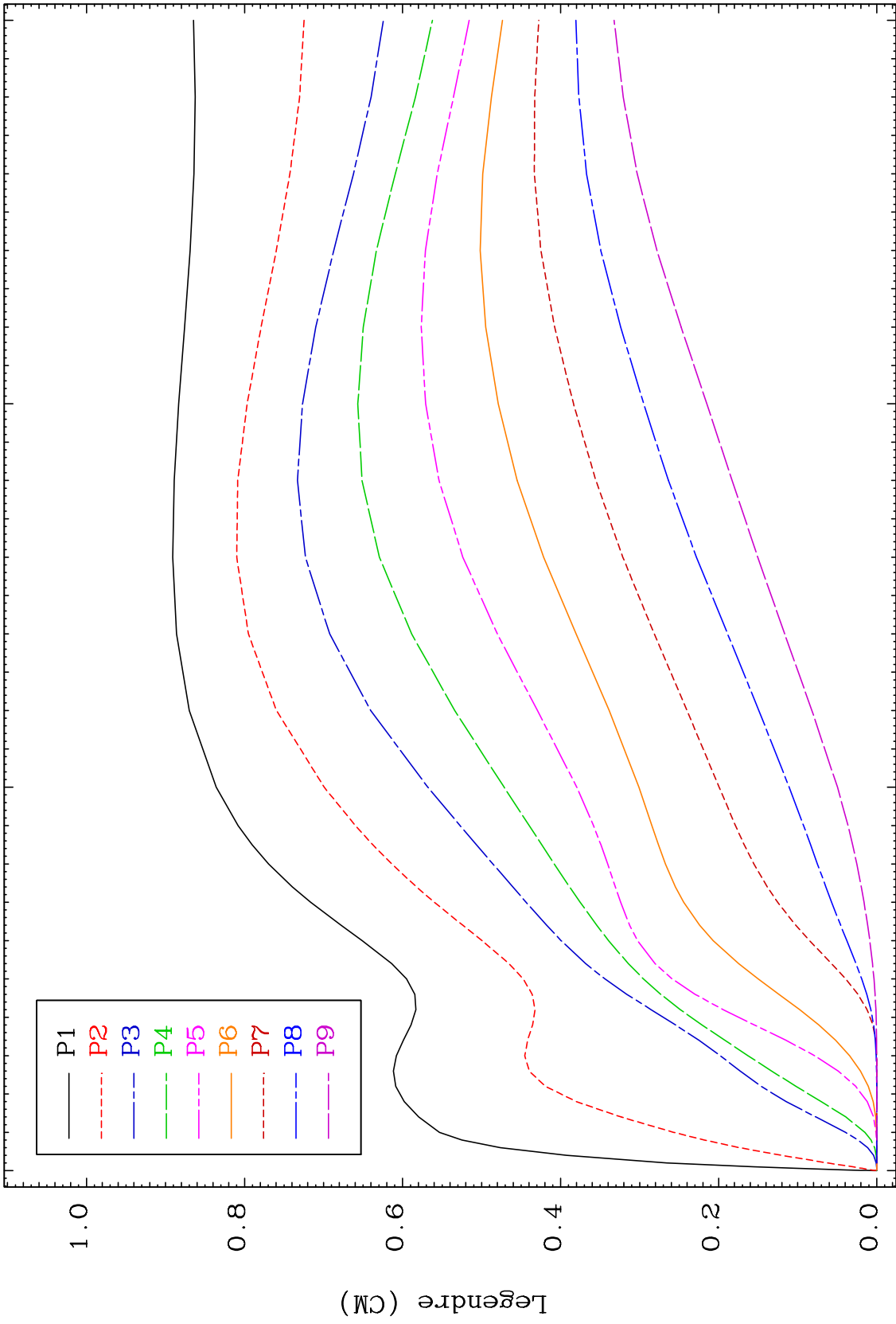




MAT 4531

Elastic Legendre Coefficients

45-Rh-105



16

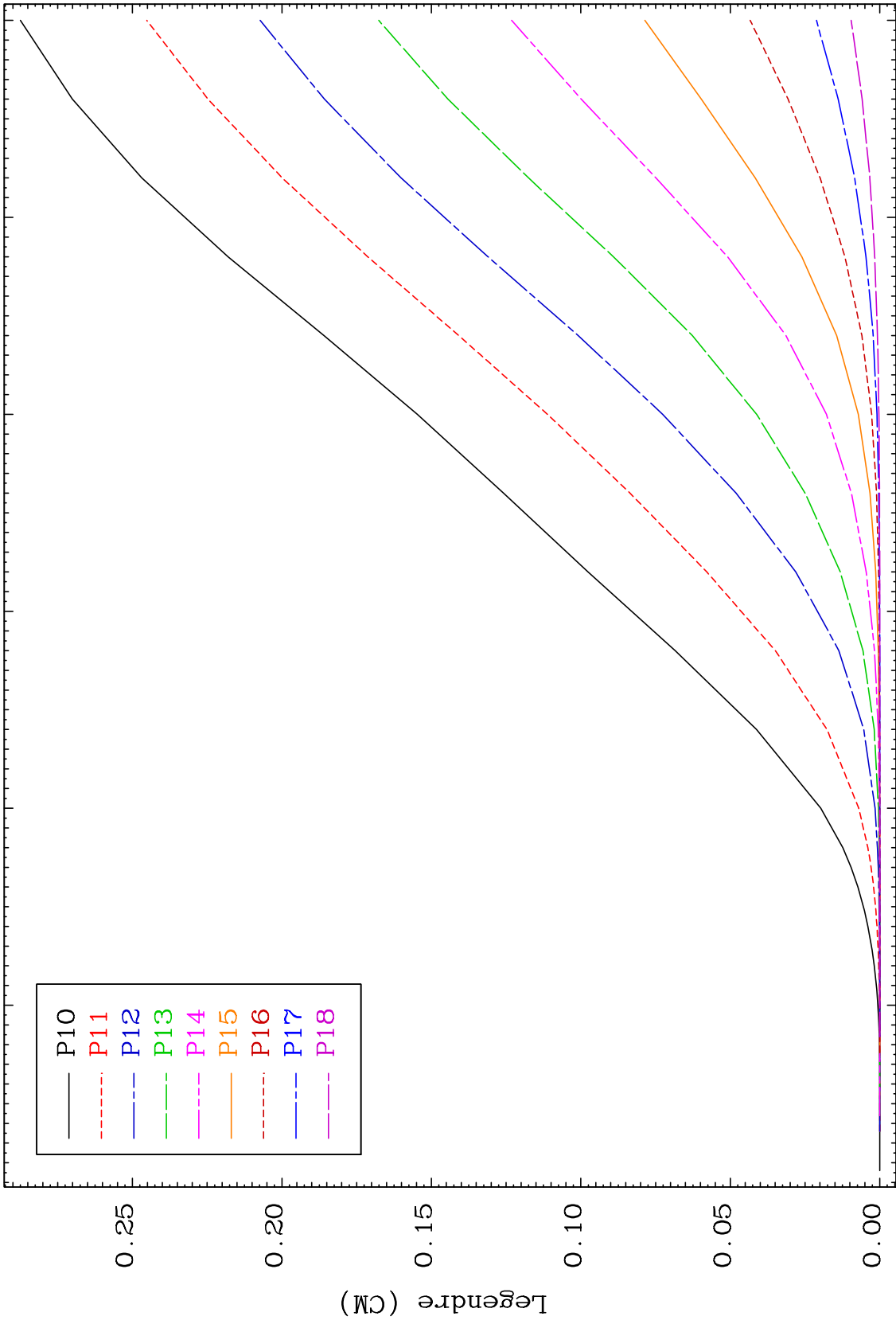
Incident Energy (MeV)

45-Rh-105

MAT 4531

Elastic Legendre Coefficients

45-Rh-105



17

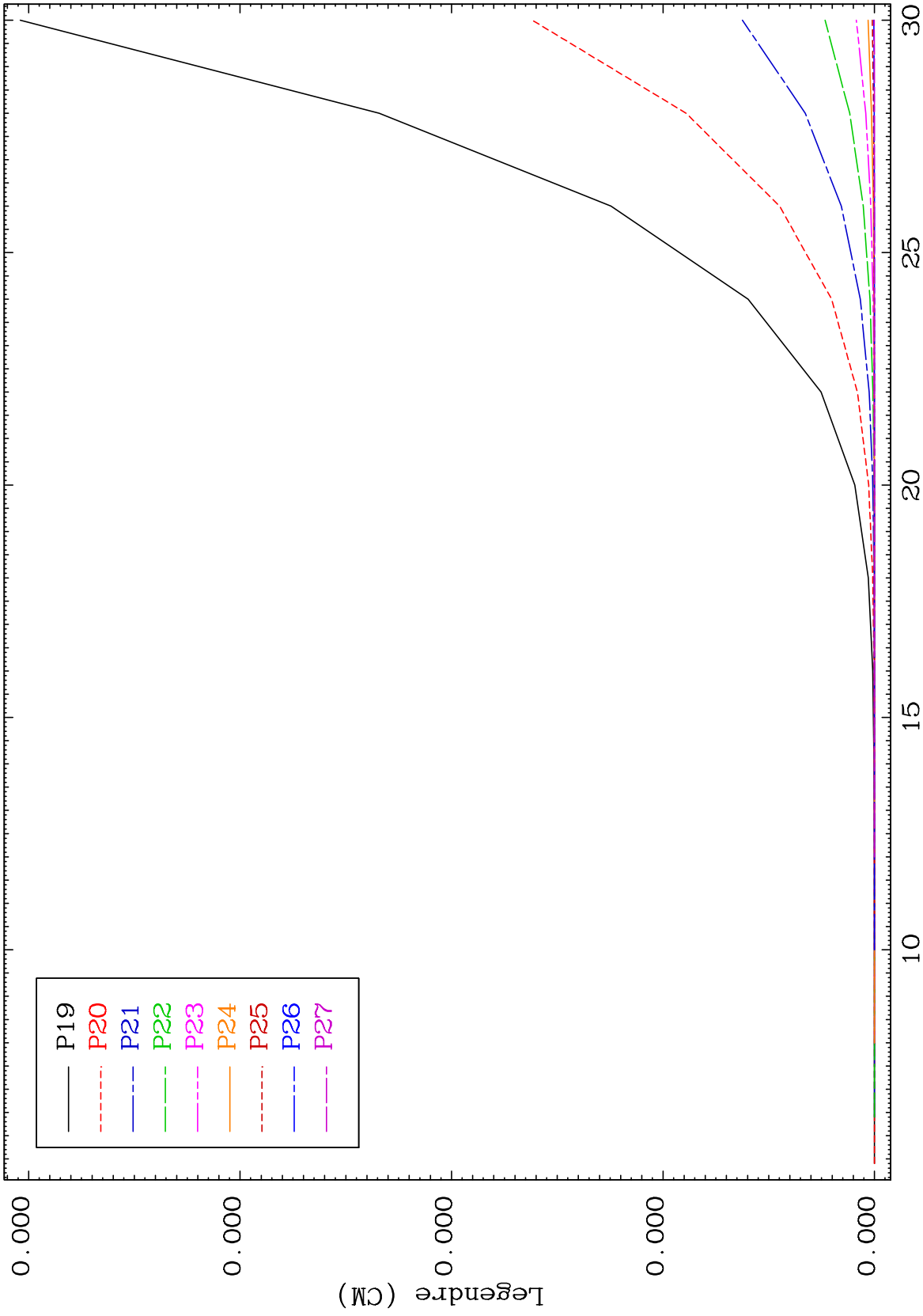
Incident Energy (MeV)

45-Rh-105

MAT 4531

Elastic Legendre Coefficients

45-Rh-105



18

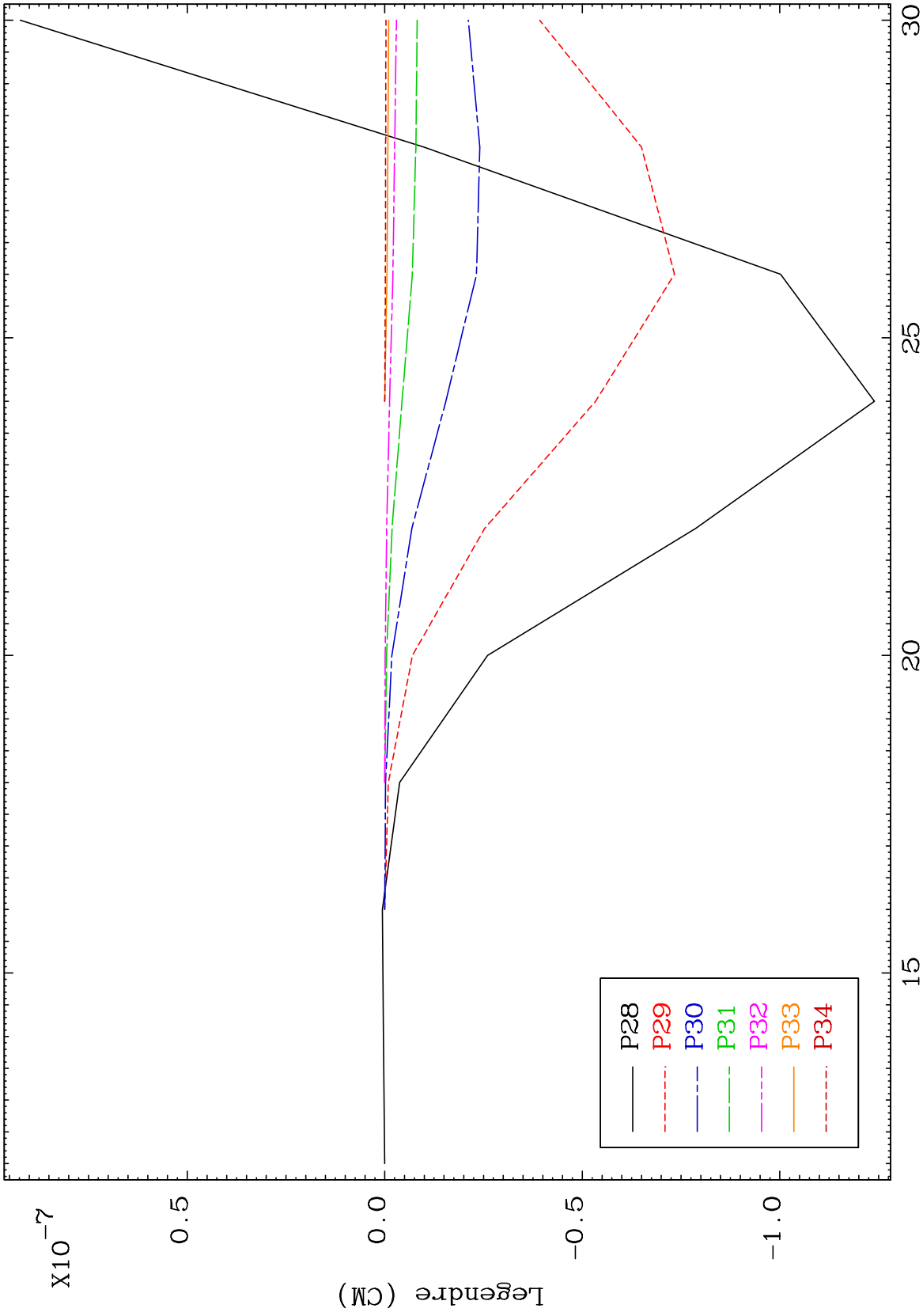
Incident Energy (MeV)

45-Rh-105

MAT 4531

Elastic Legendre Coefficients

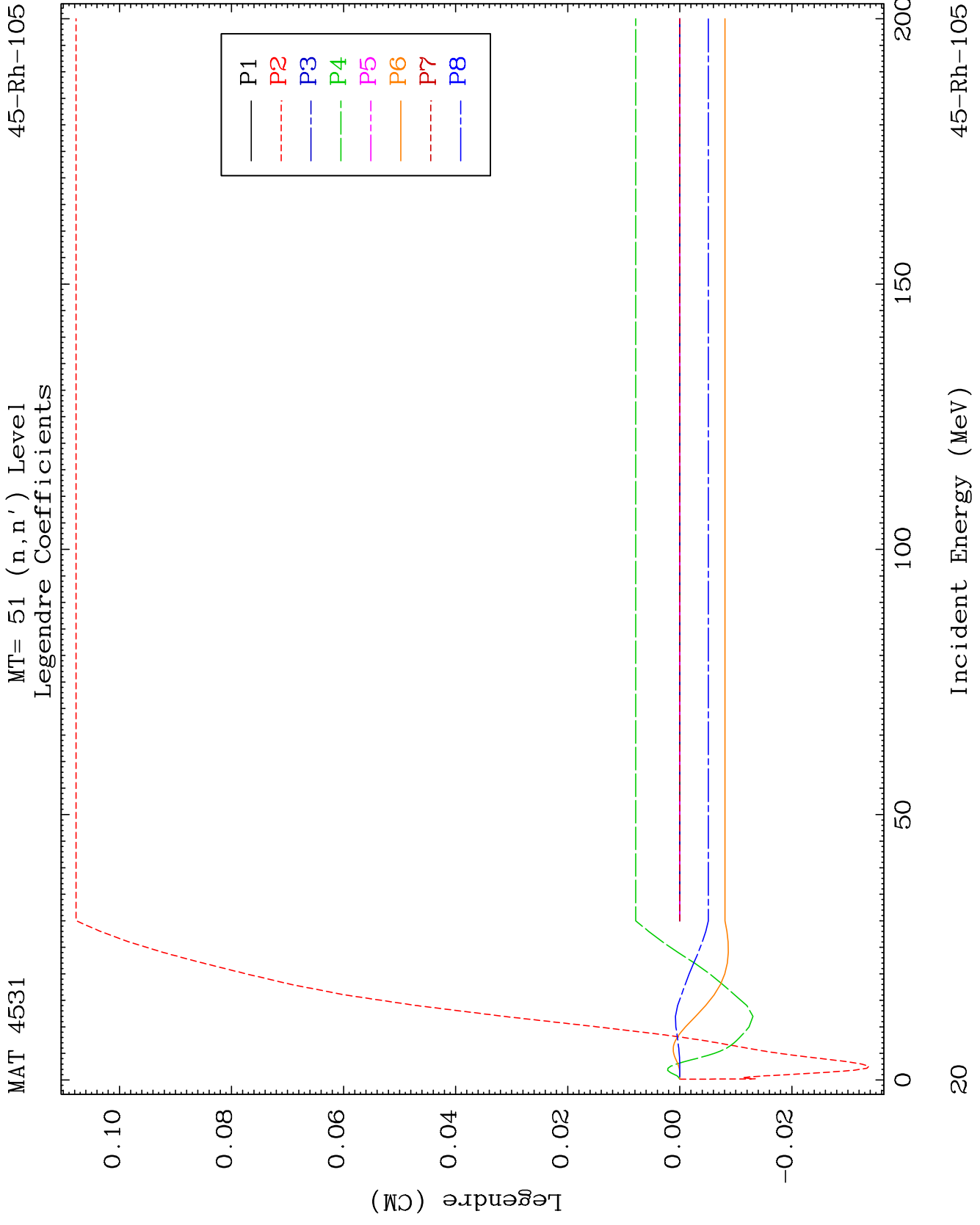
45-Rh-105



19

Incident Energy (MeV)

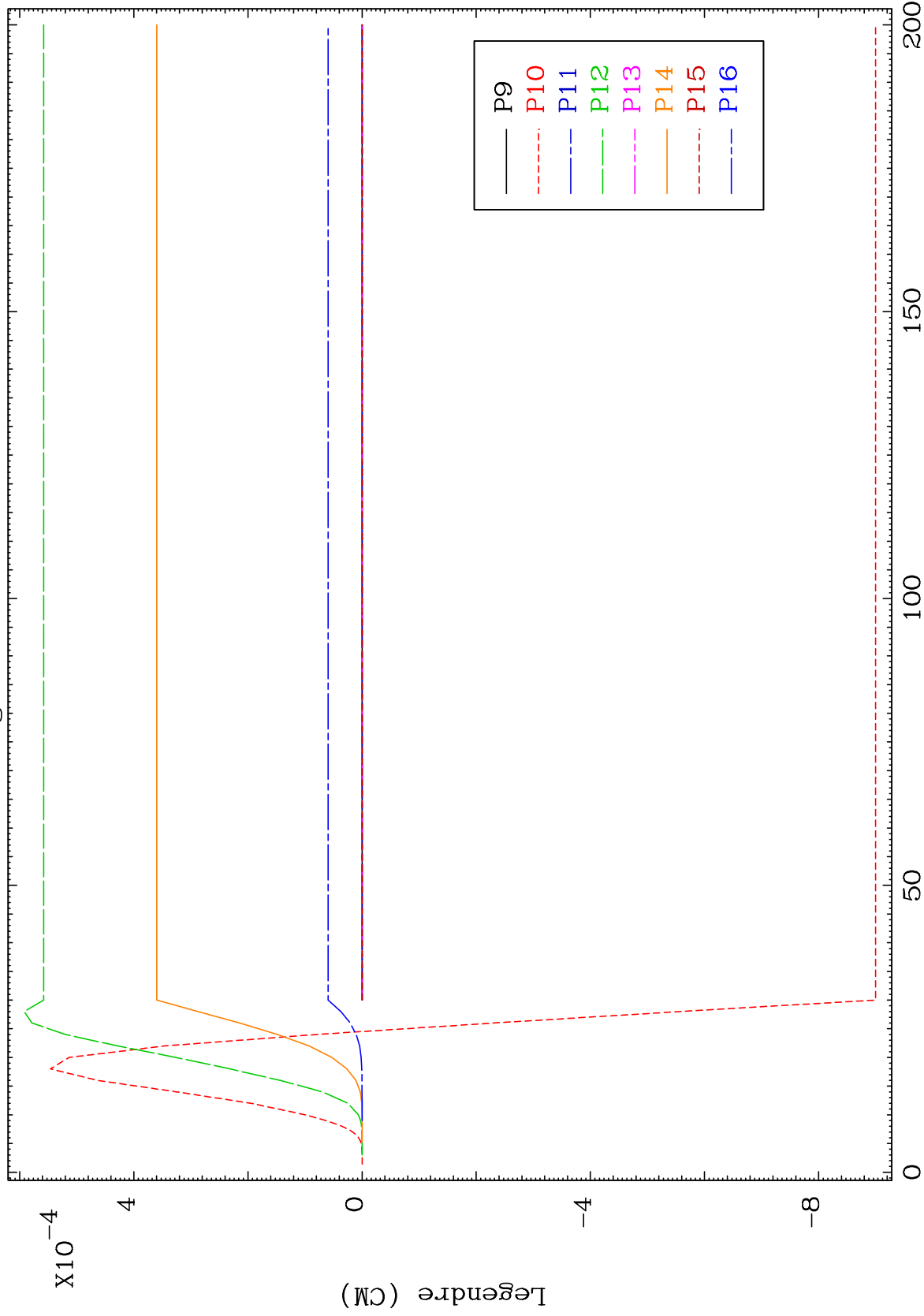
45-Rh-105



MAT 4531

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

45-Rh-105

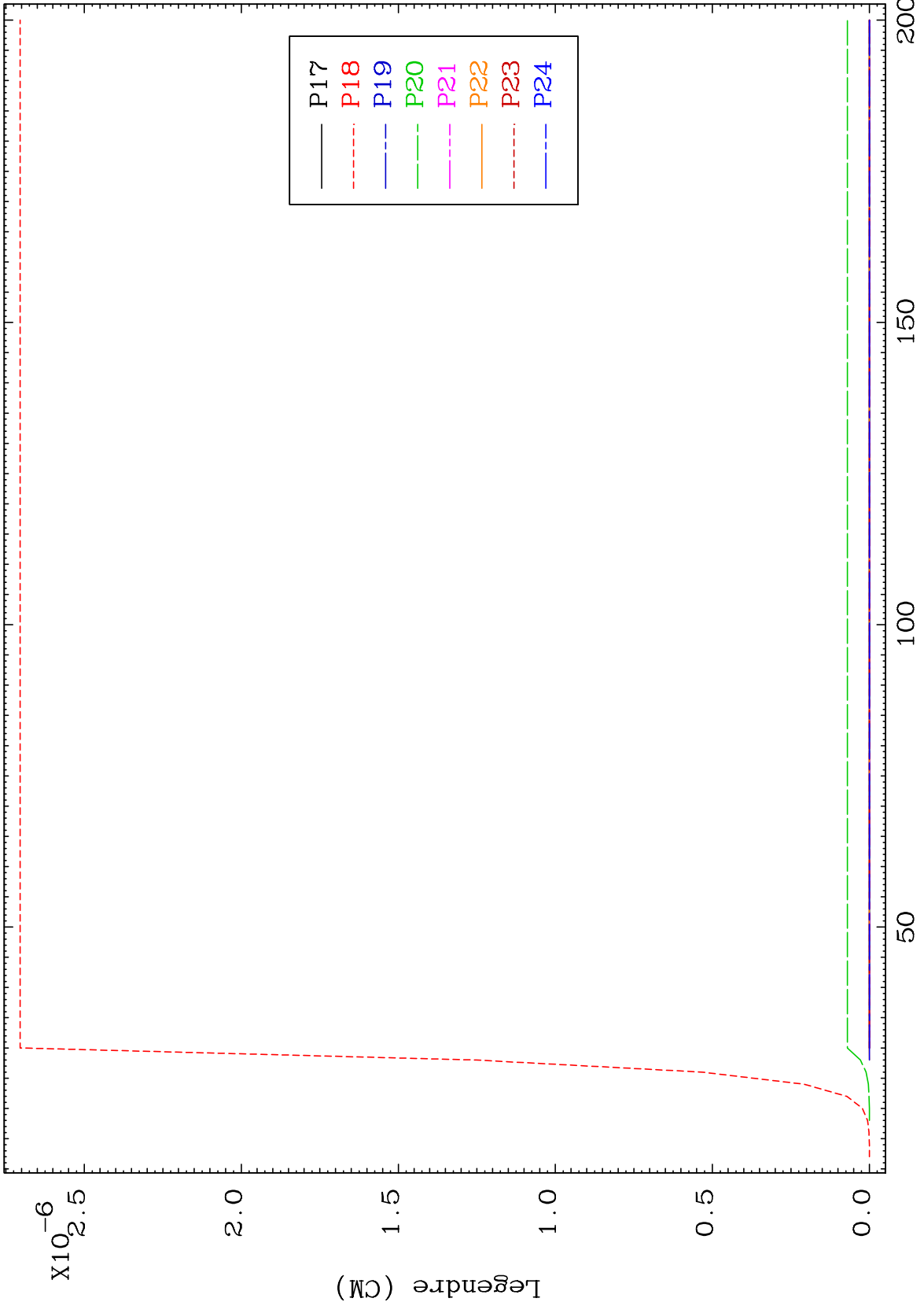


21

Incident Energy (MeV)

45-Rh-105

MAT 4531 MT= 51 (n,n') Level Legendre Coefficients 45-Rh-105

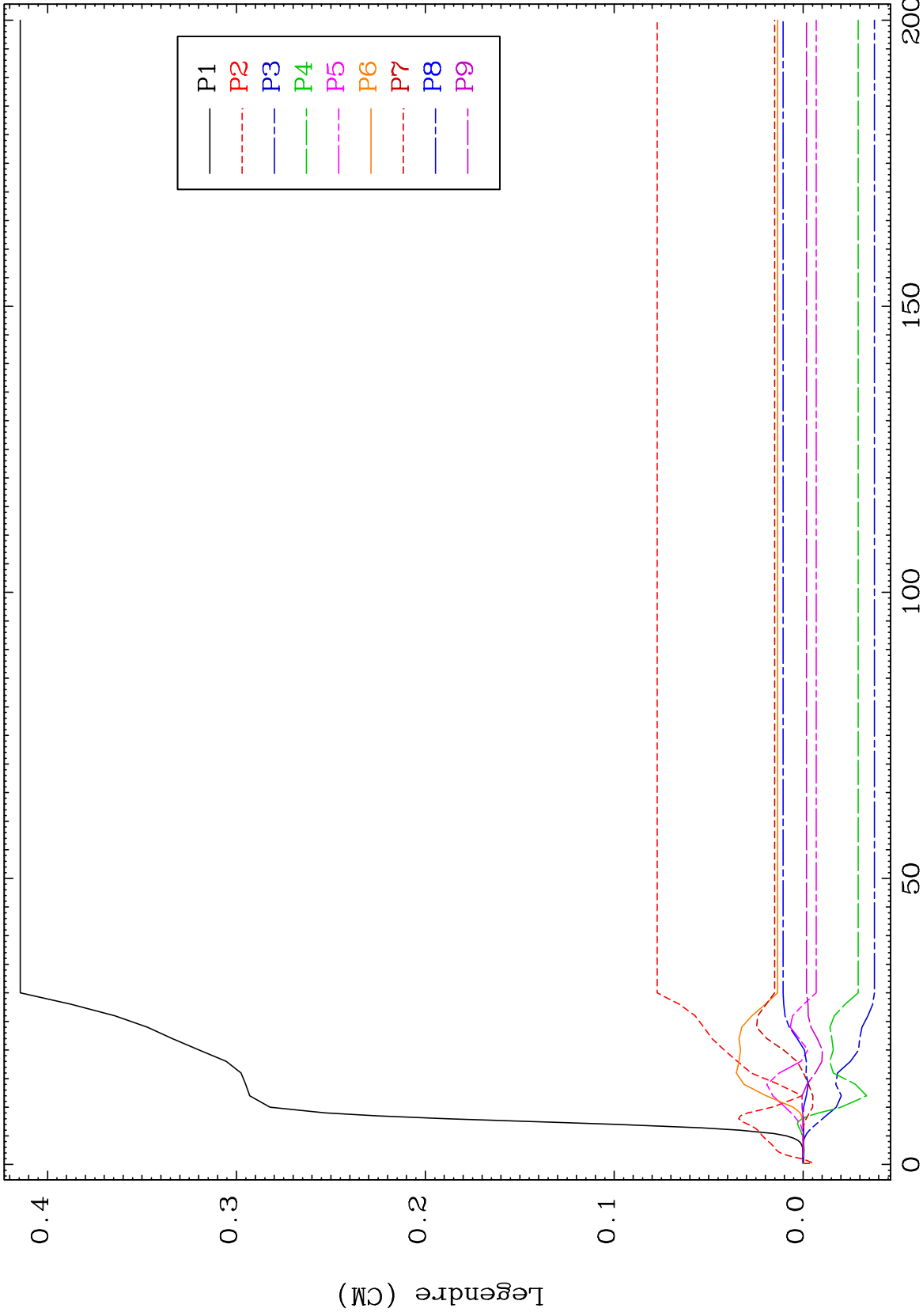


22 Incident Energy (MeV) 45-Rh-105

MAT 4531

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

45-Rh-105



23

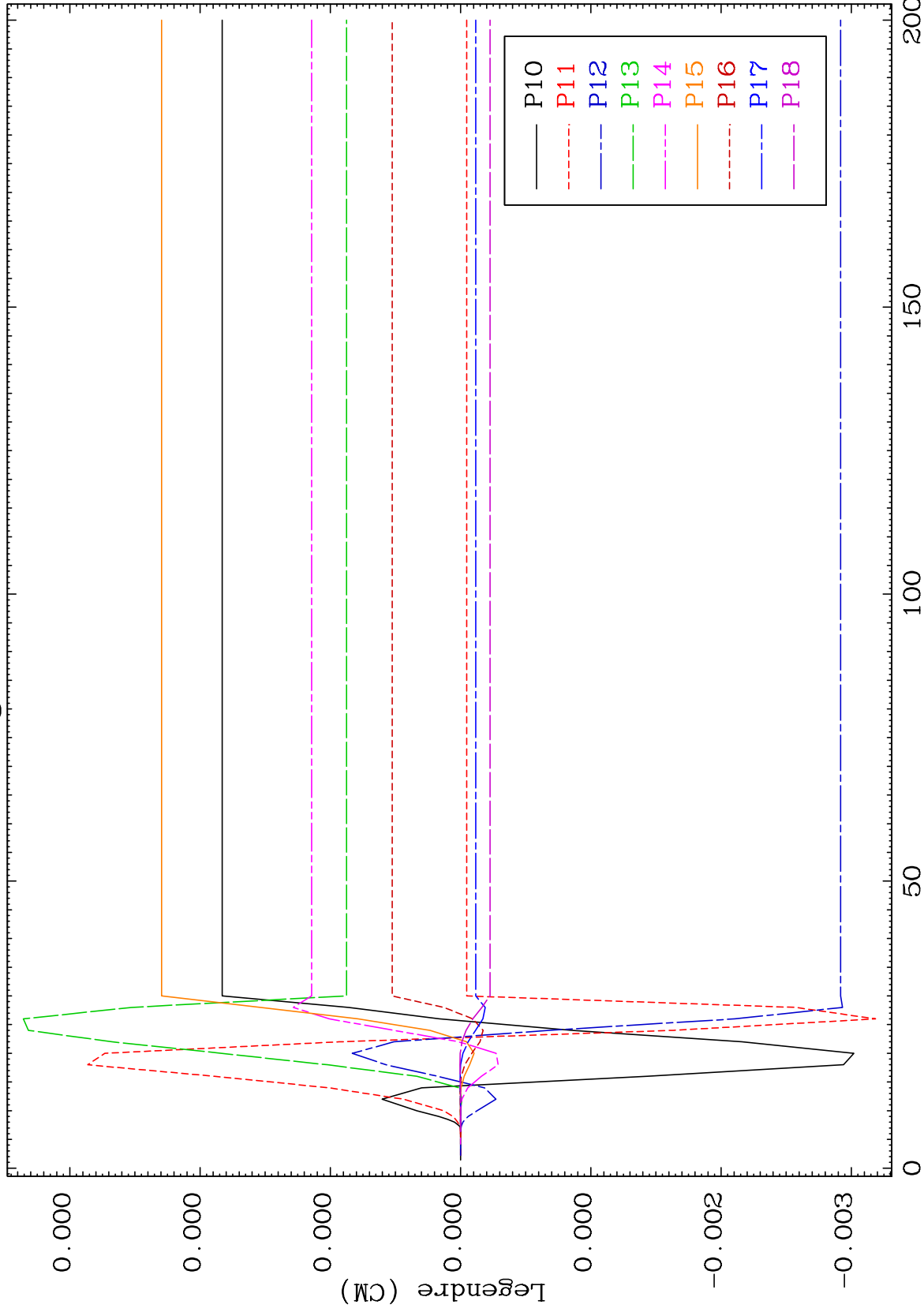
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105

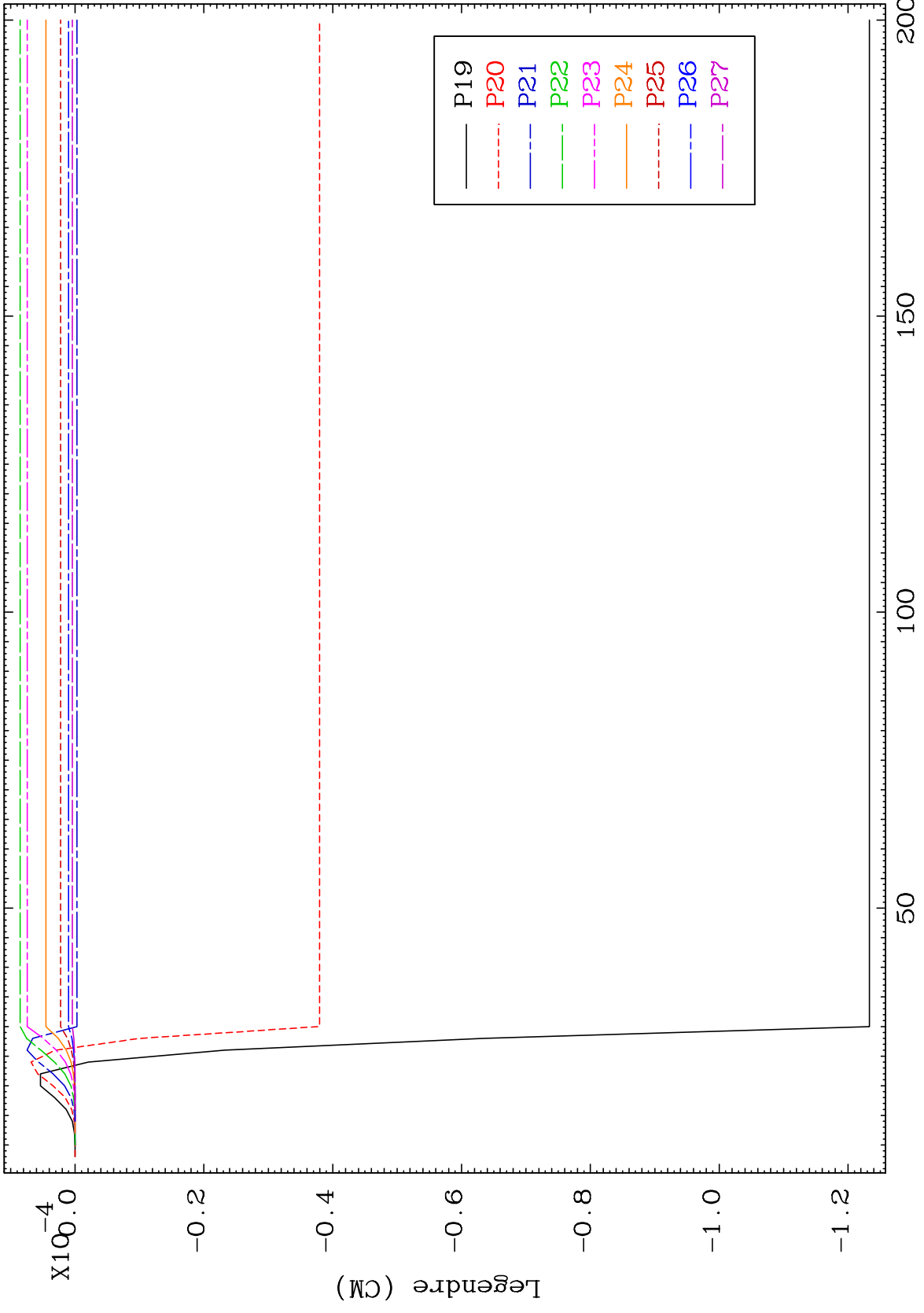


24

Incident Energy (MeV)

45-Rh-105

MAT 4531 MT= 52 (n,n') Level Legendre Coefficients 45-Rh-105

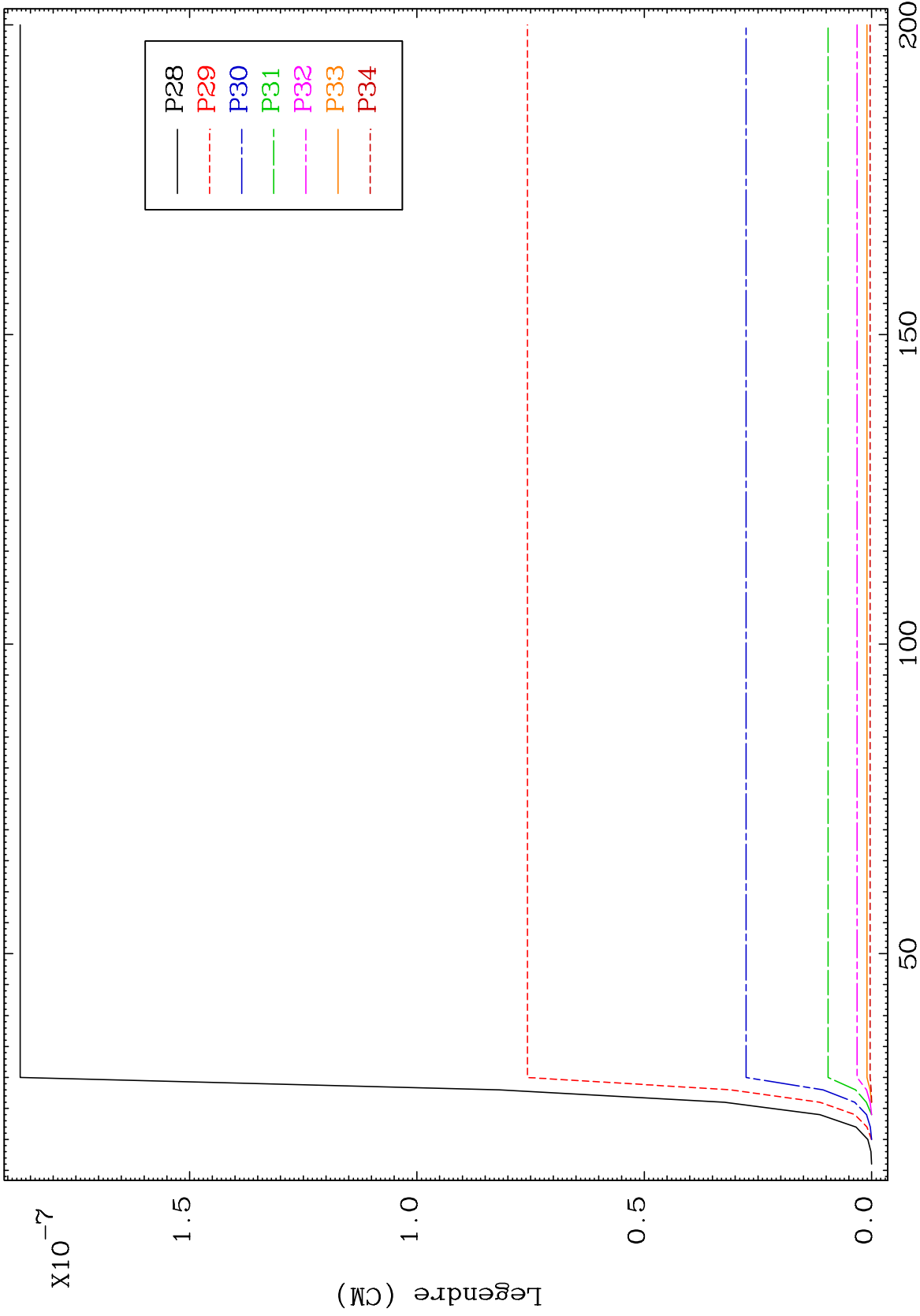


25 Incident Energy (MeV) 45-Rh-105

MAT 4531

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

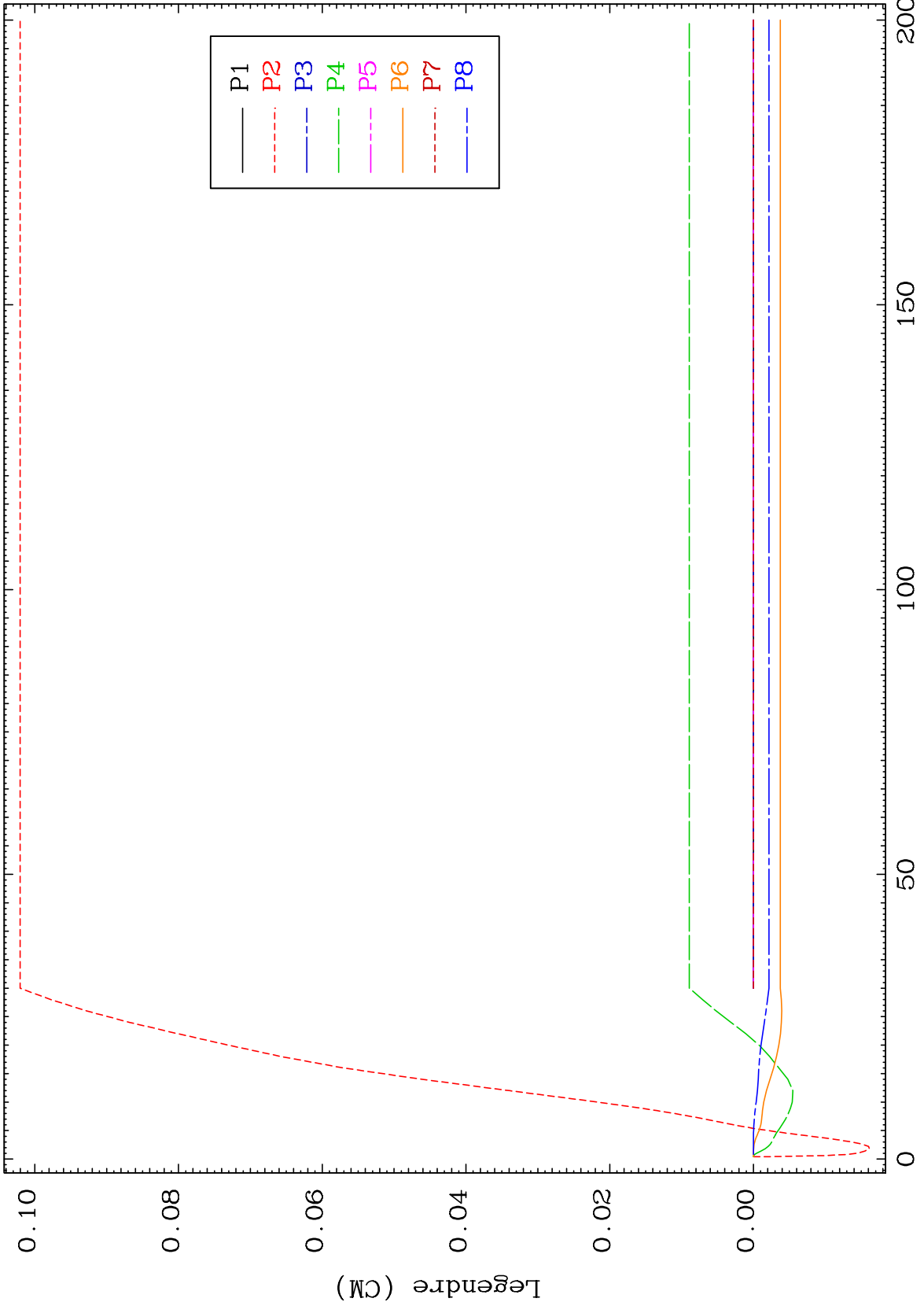
45-Rh-105



26

45-Rh-105

MAT 4531 MT= 53 (n,n') Level Legendre Coefficients 45-Rh-105

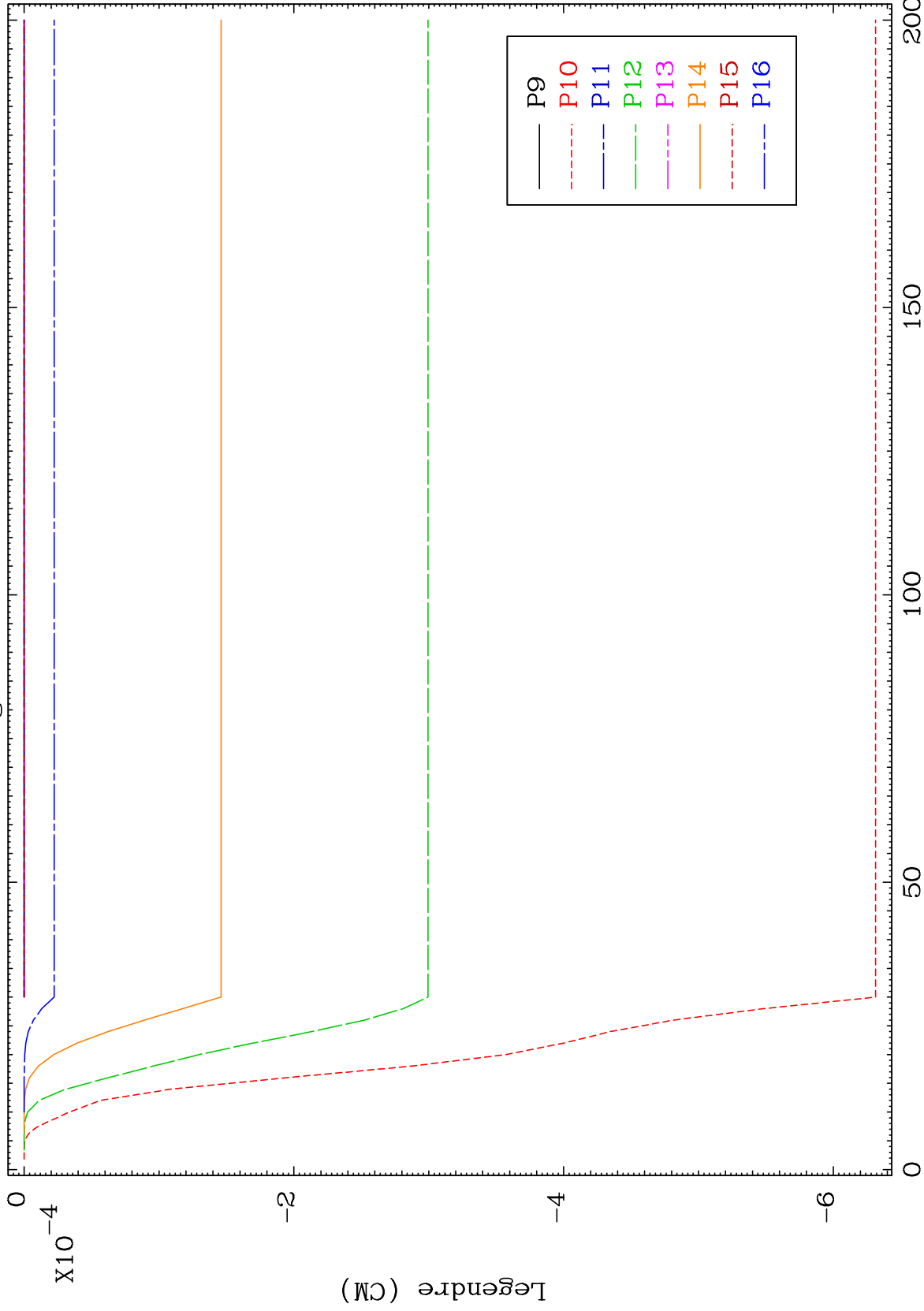


27 Incident Energy (MeV) 45-Rh-105

MAT 4531

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

45-Rh-105



28

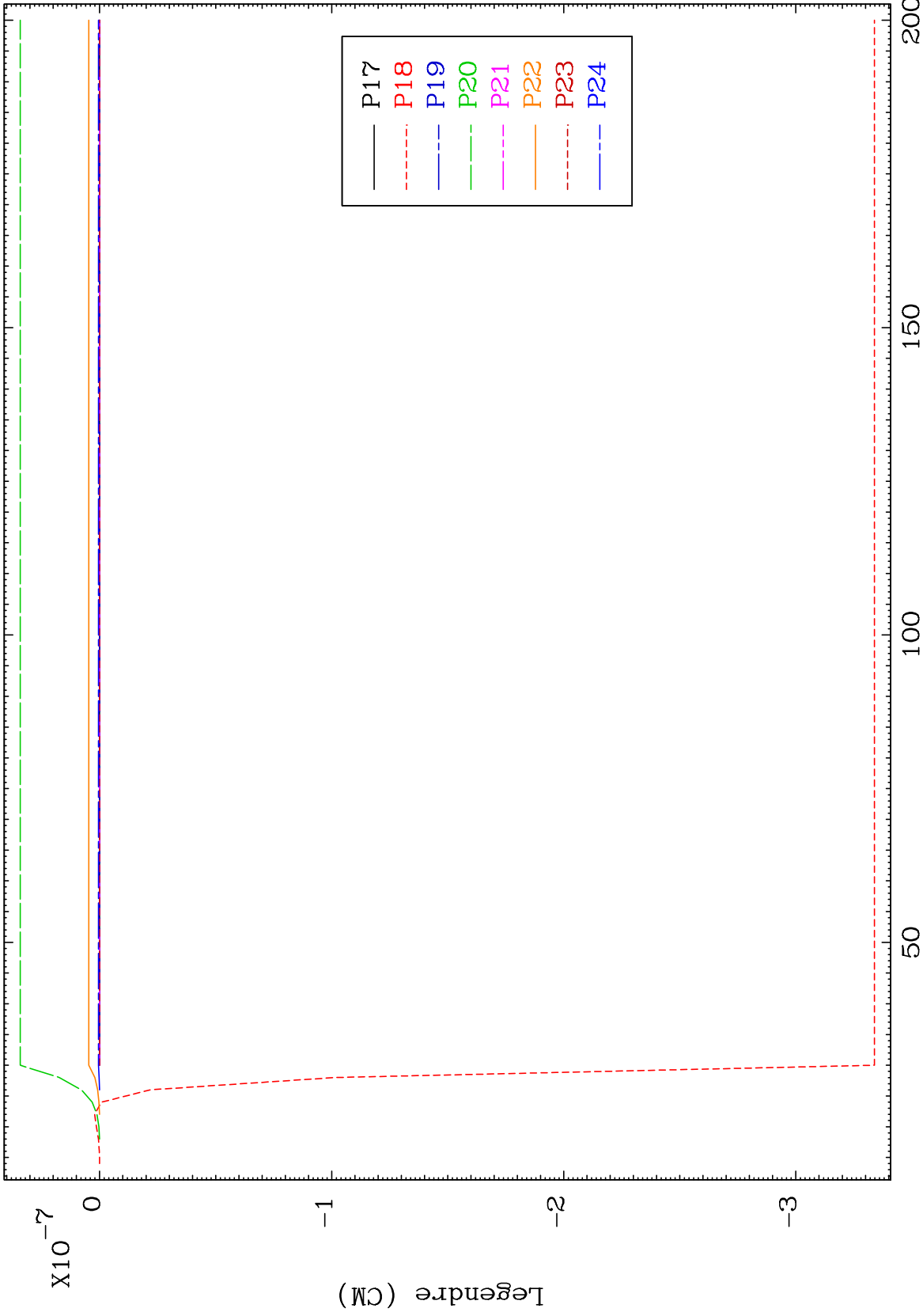
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



29

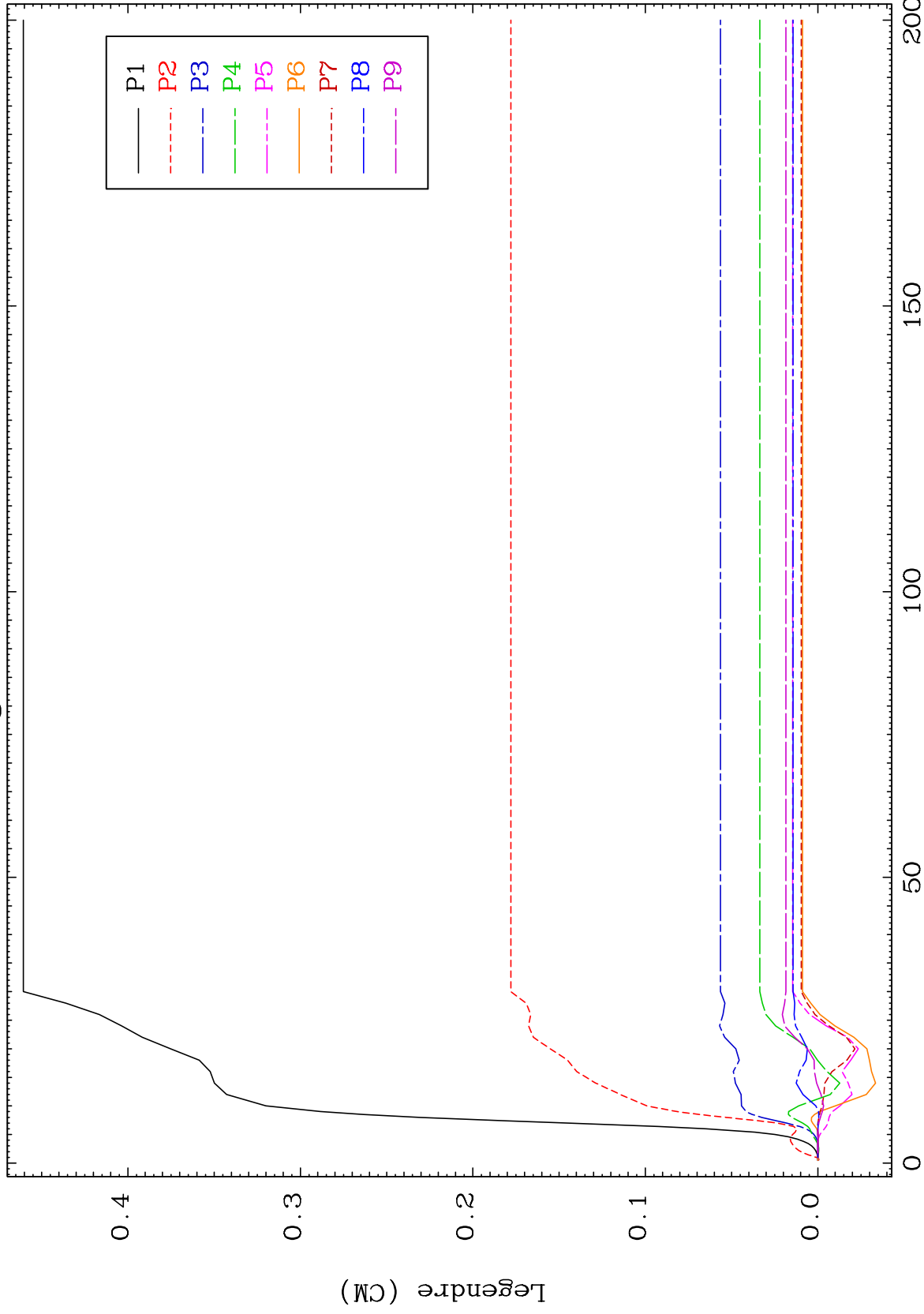
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



30

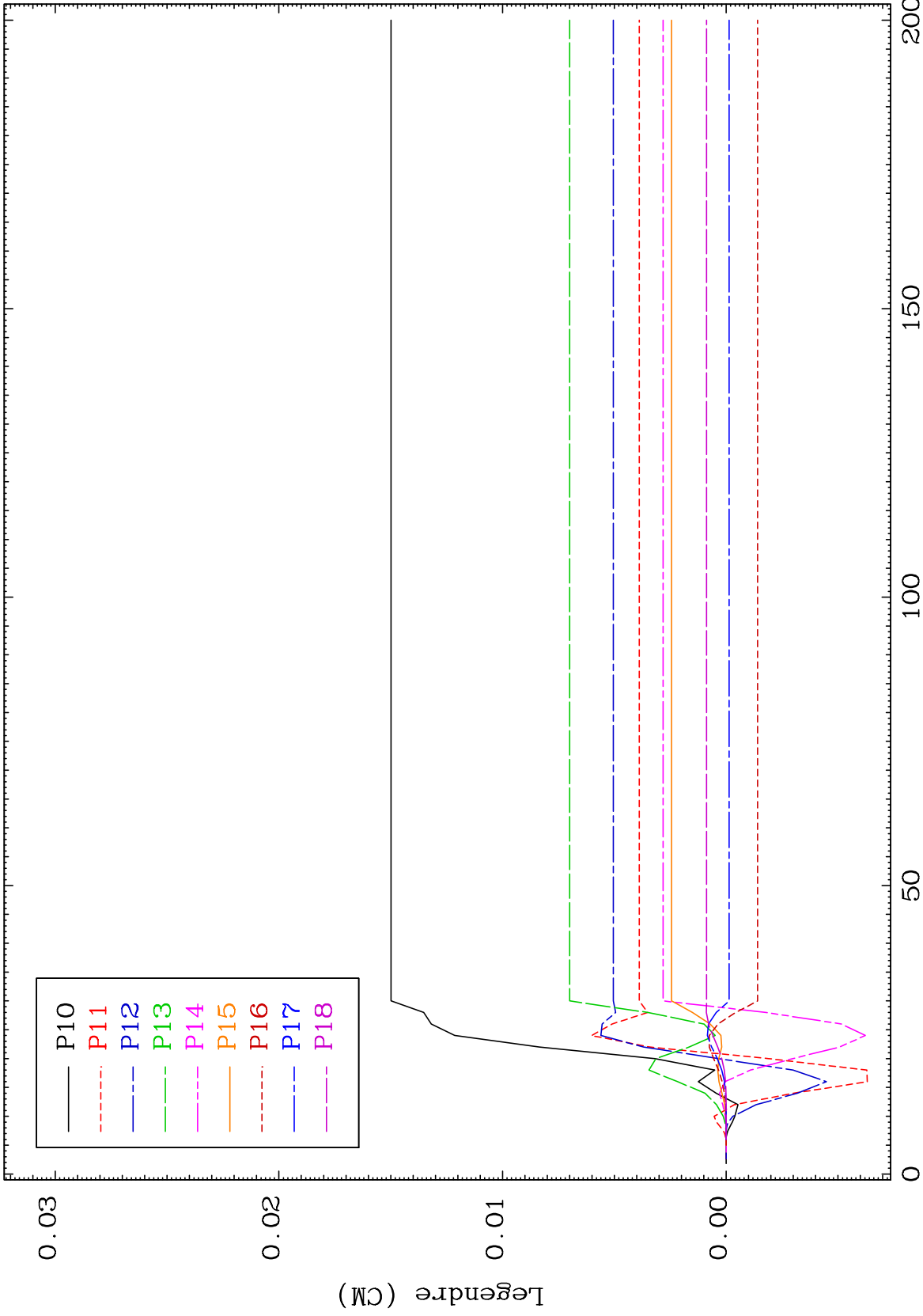
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



31

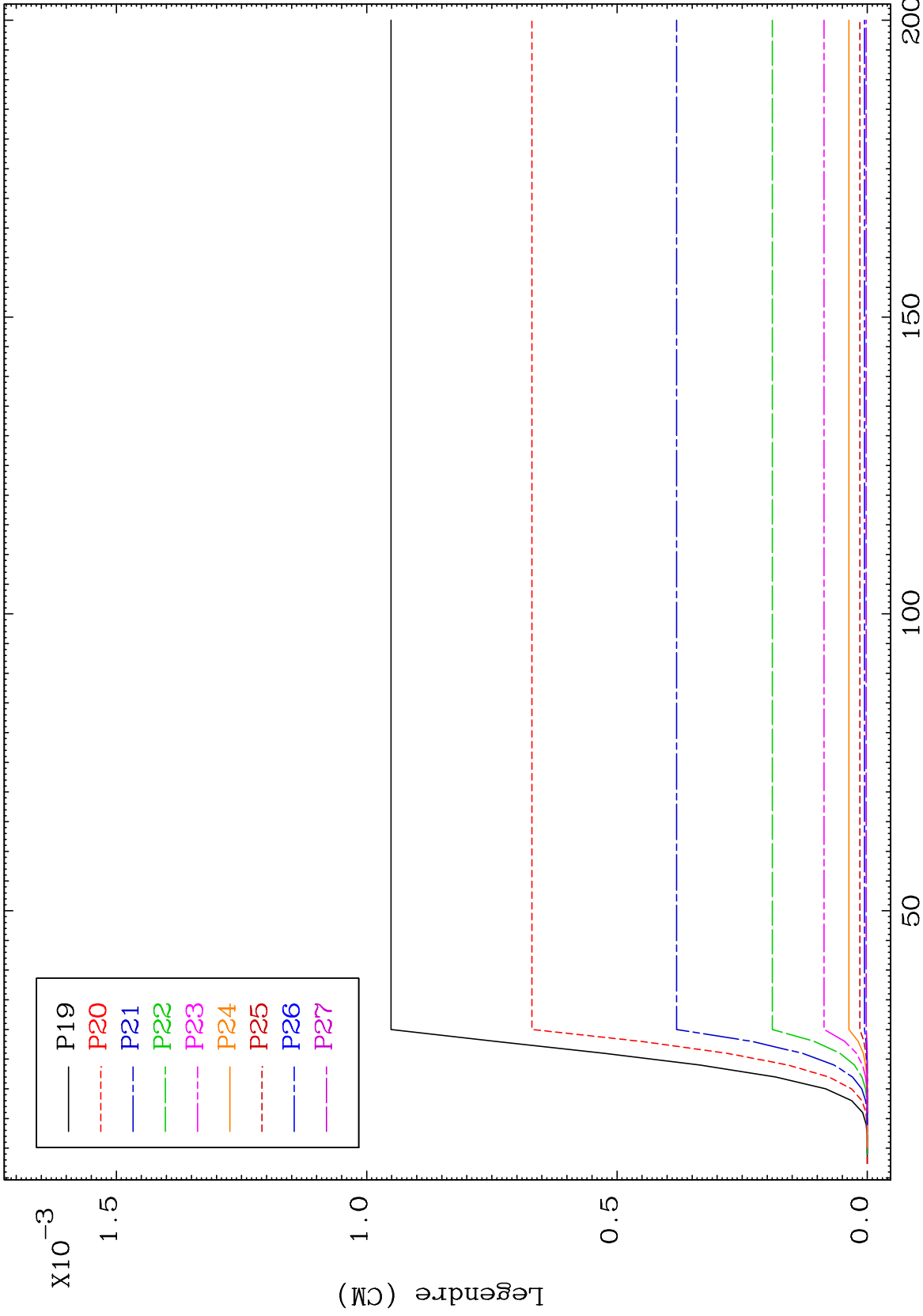
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



32

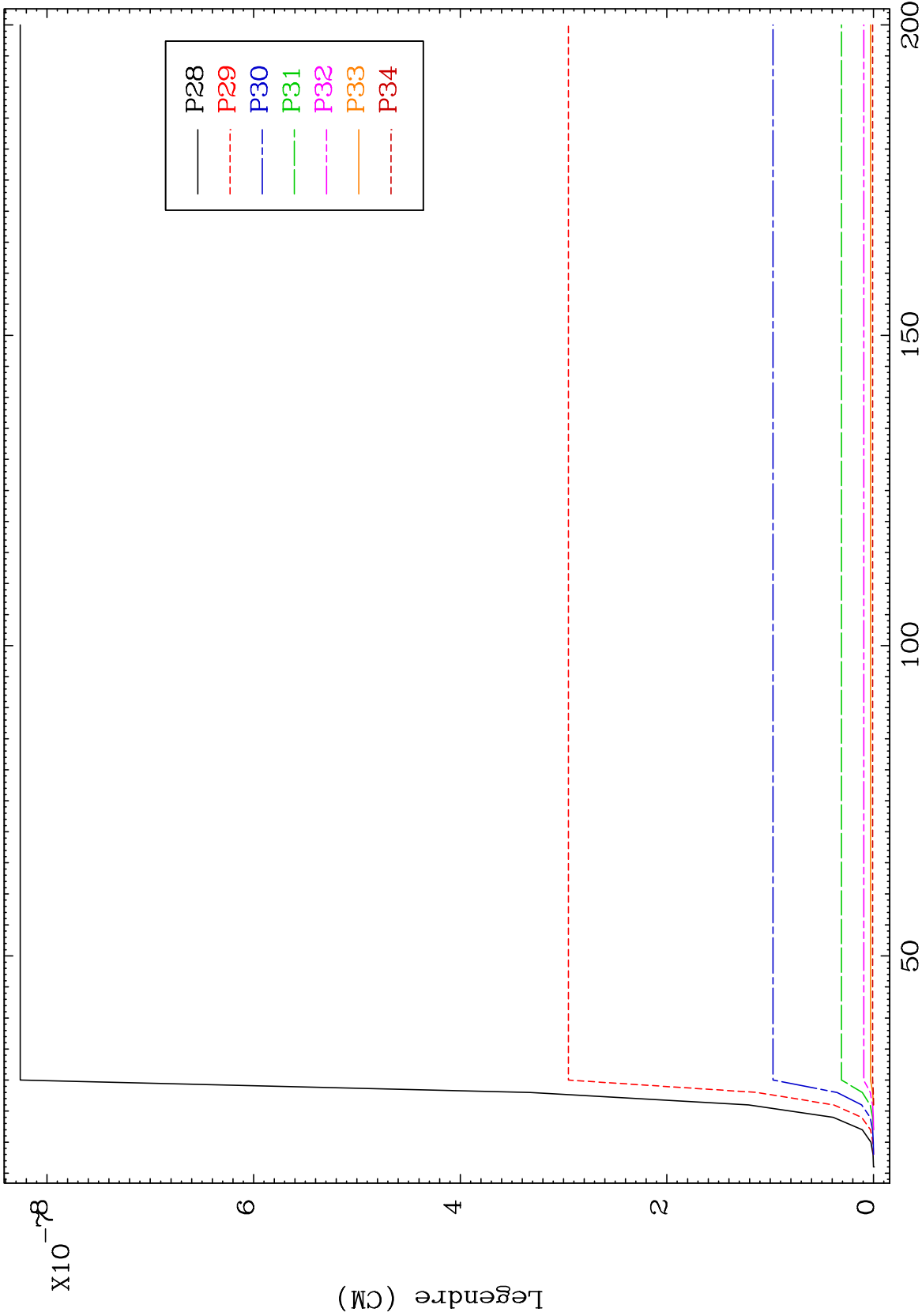
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



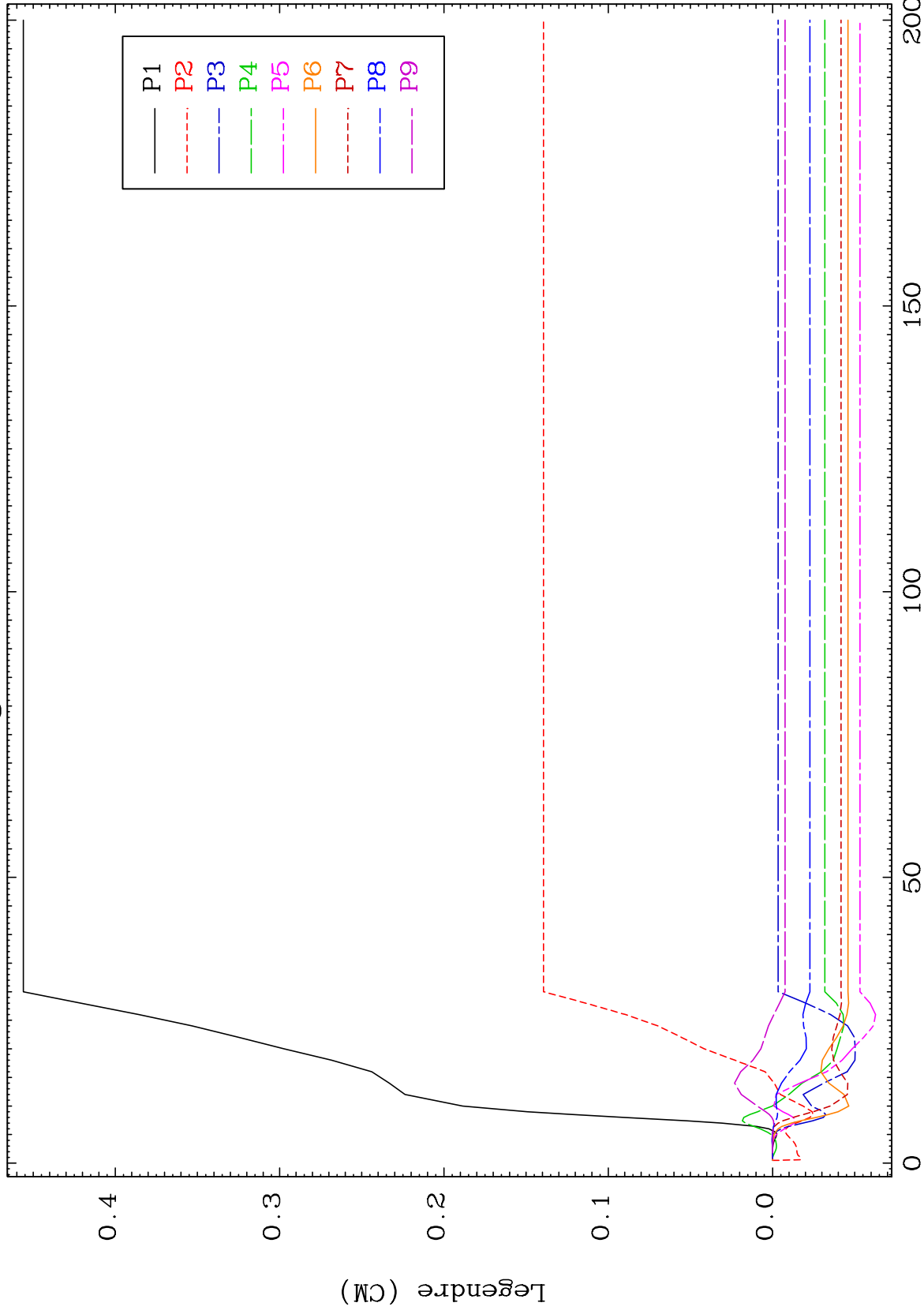
33

45-Rh-105

MAT 4531

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

45-Rh-105



34

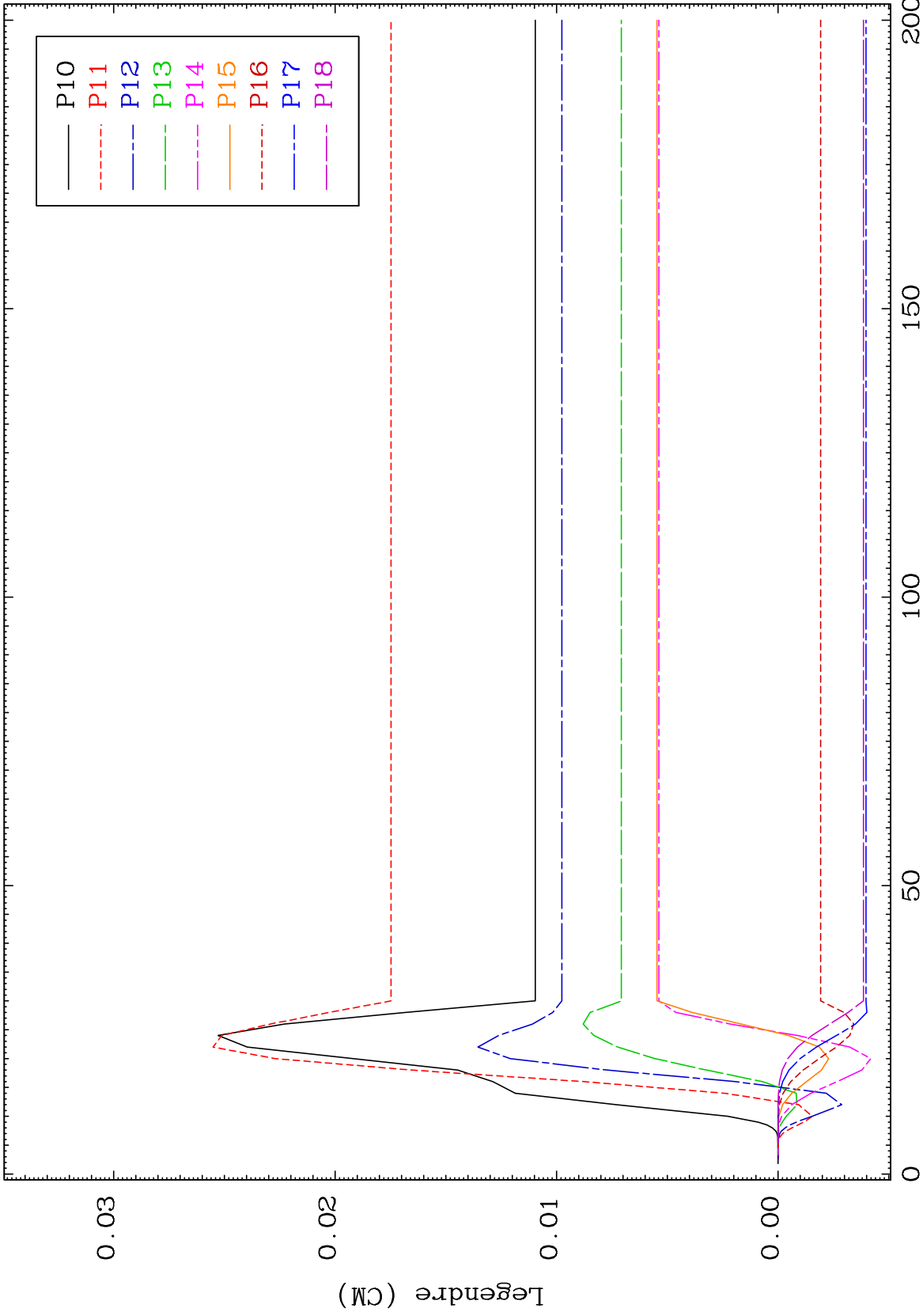
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



35

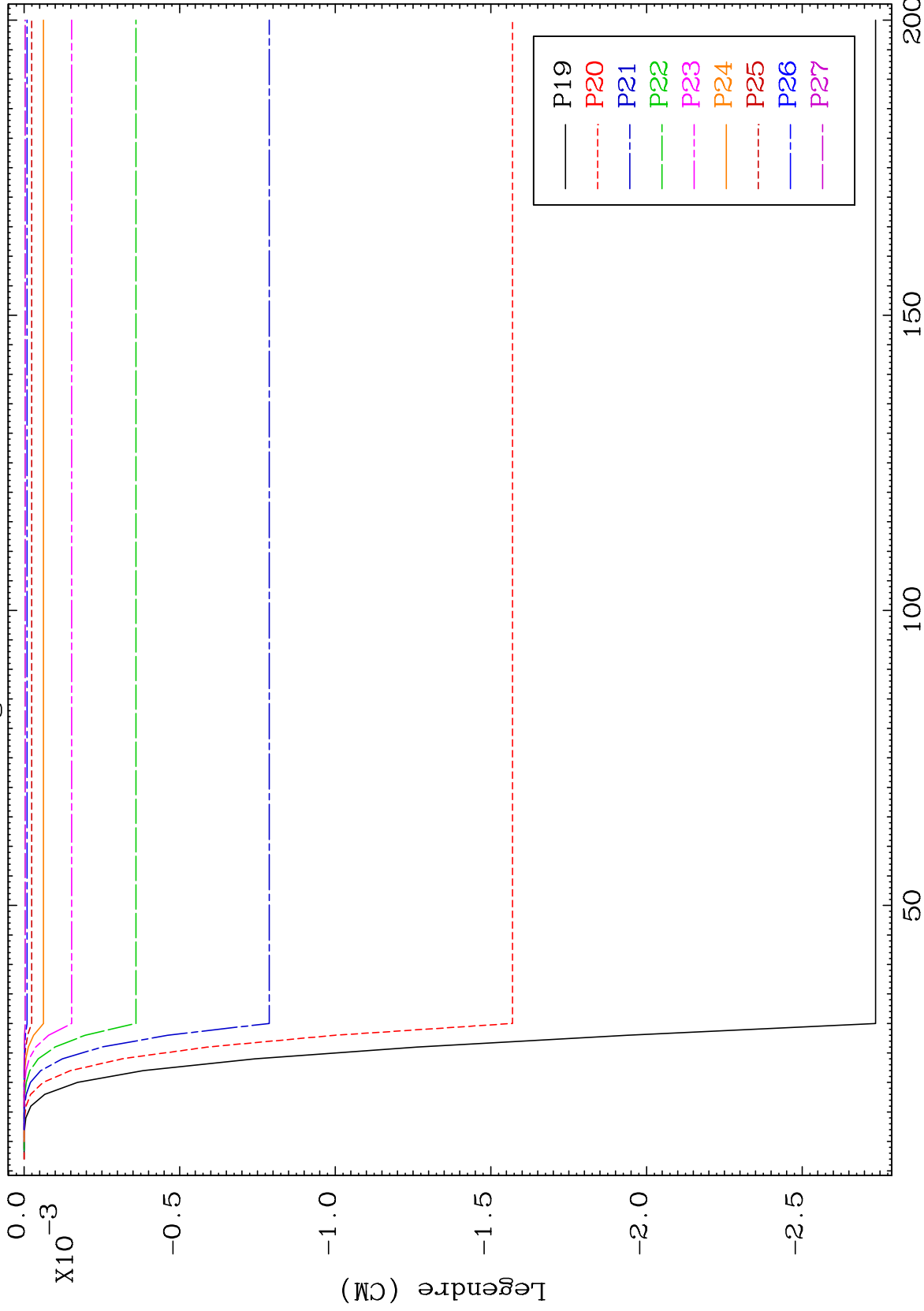
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



45-Rh-105

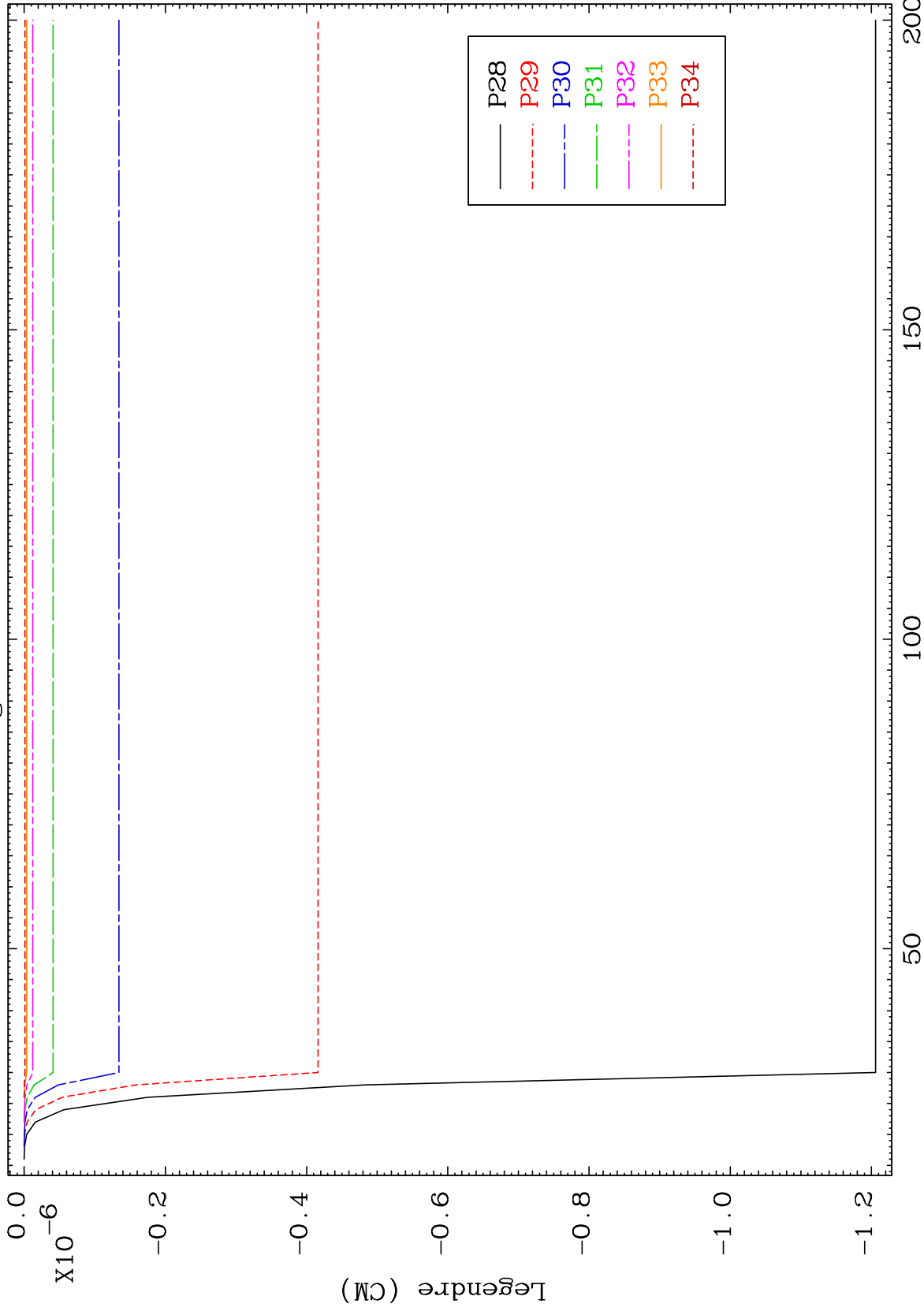
Incident Energy (MeV)

36

MAT 4531

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

45-Rh-105



45-Rh-105

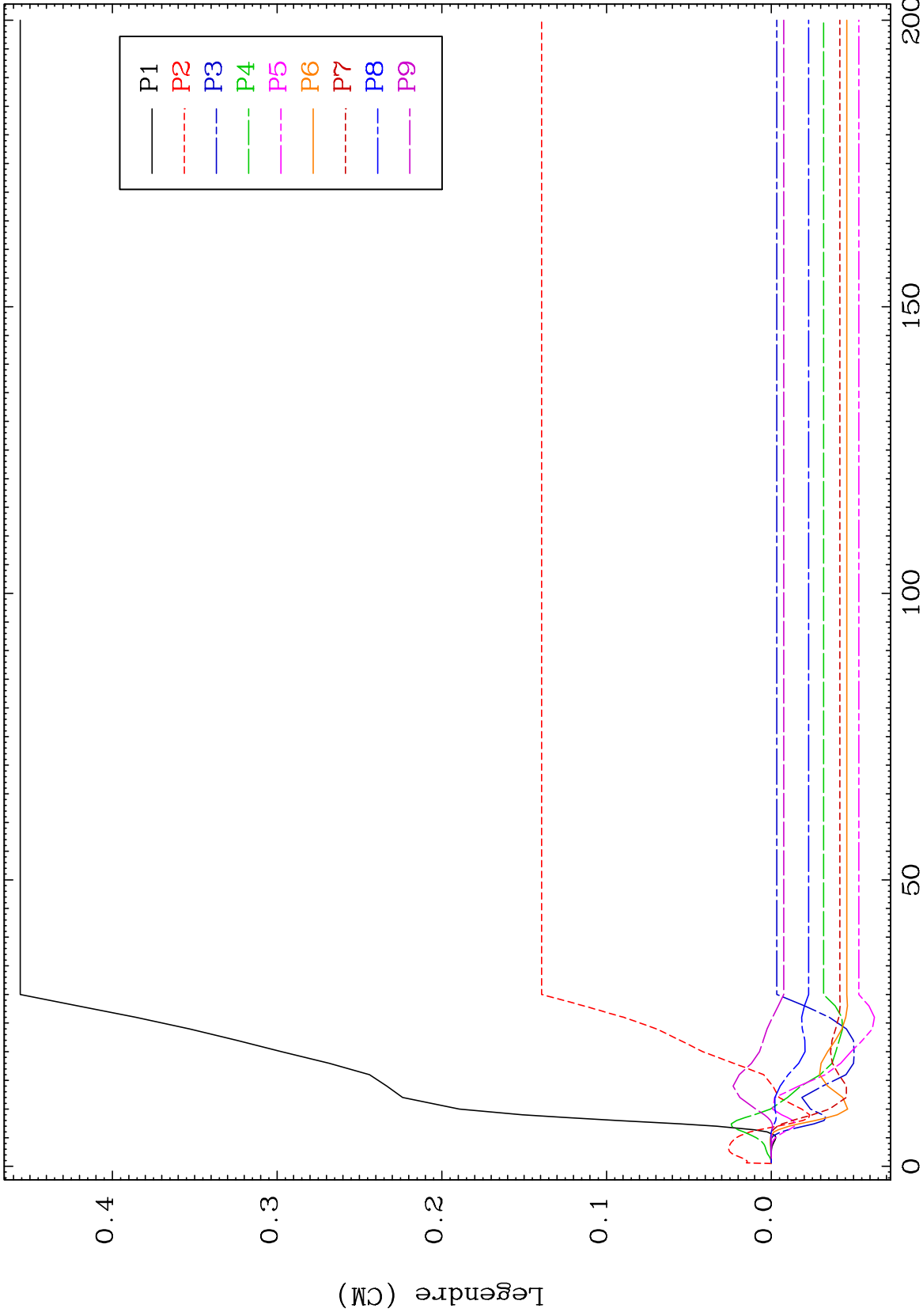
Incident Energy (MeV)

37

MAT 4531

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

45-Rh-105



38

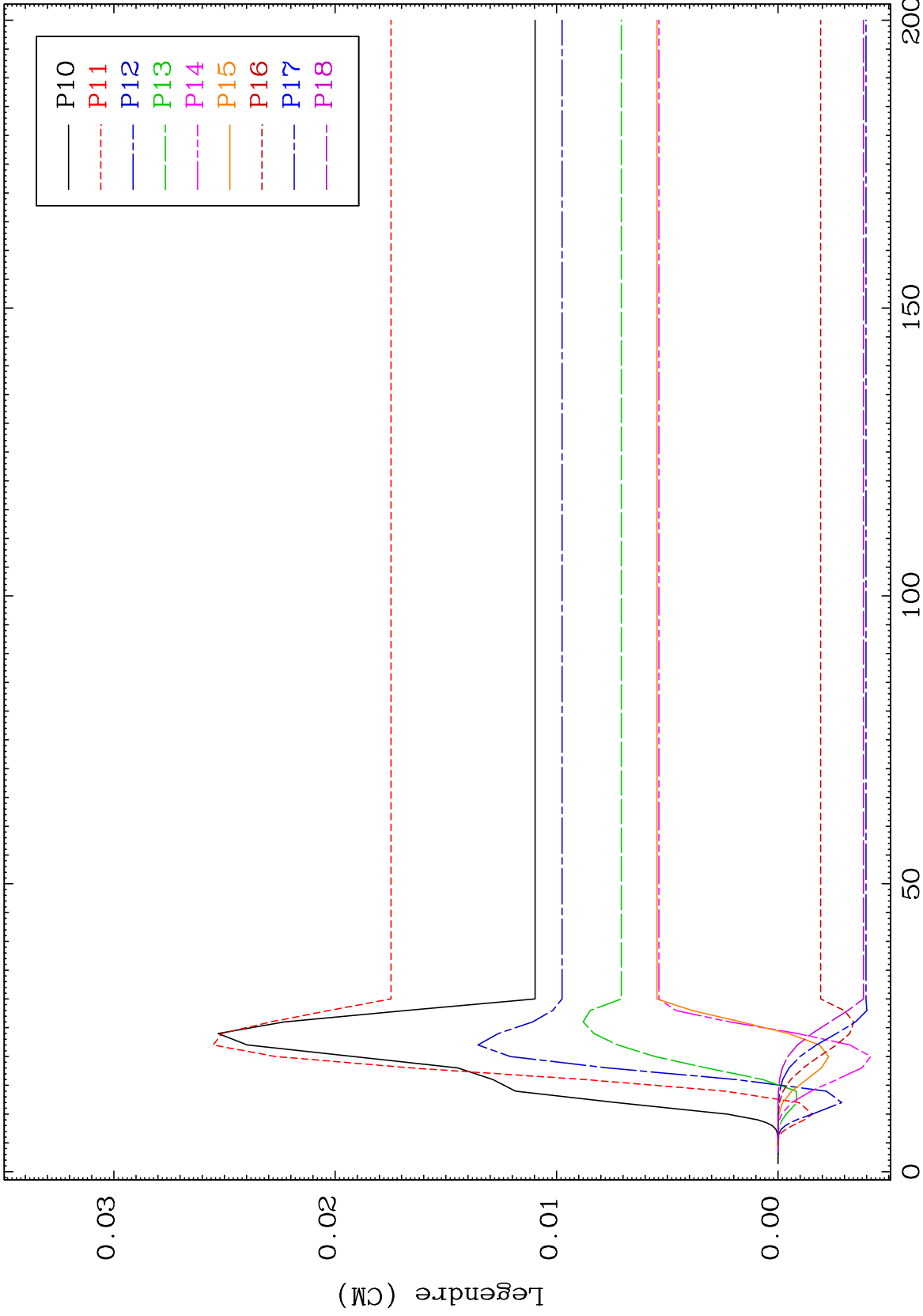
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



39

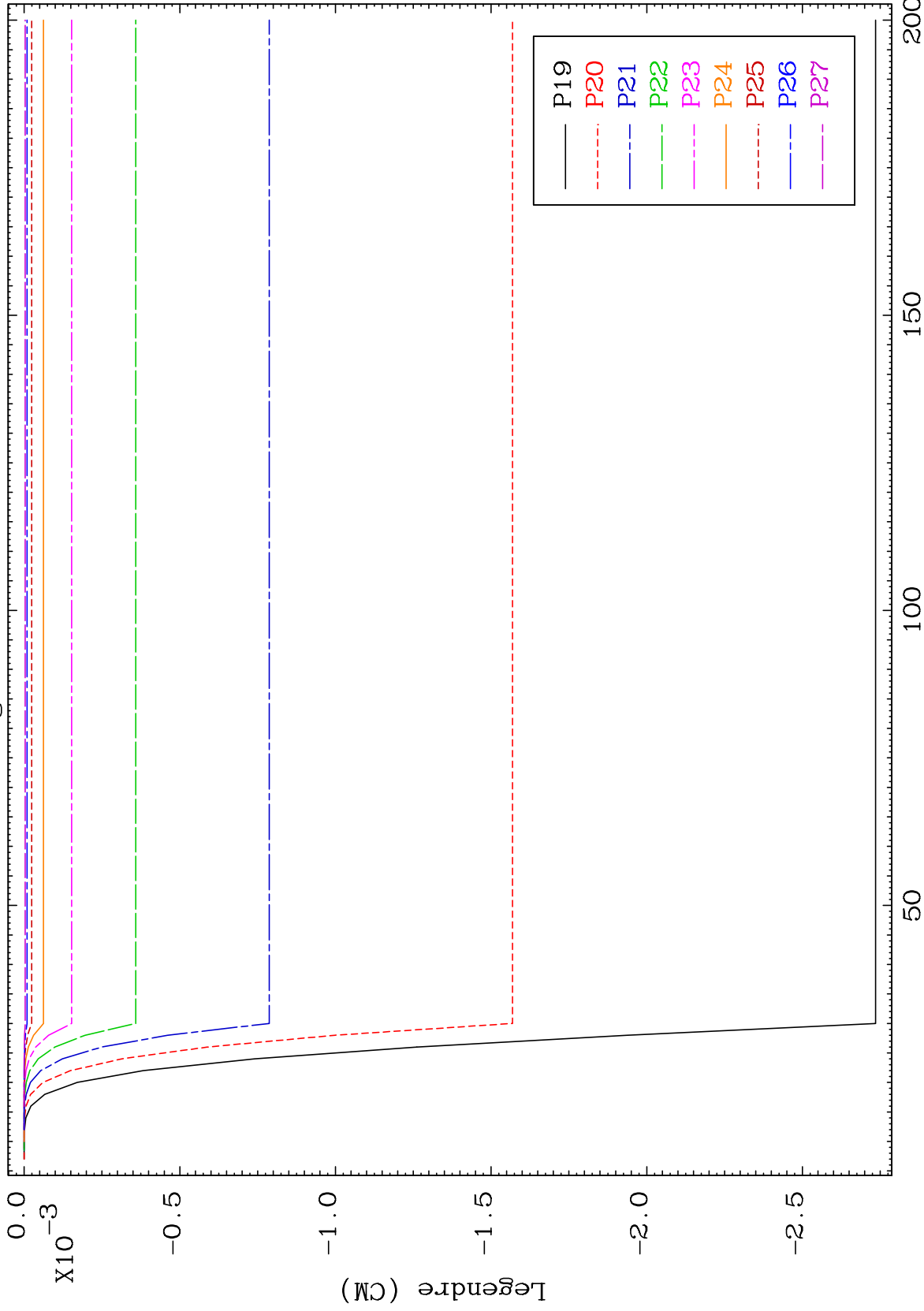
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



45-Rh-105

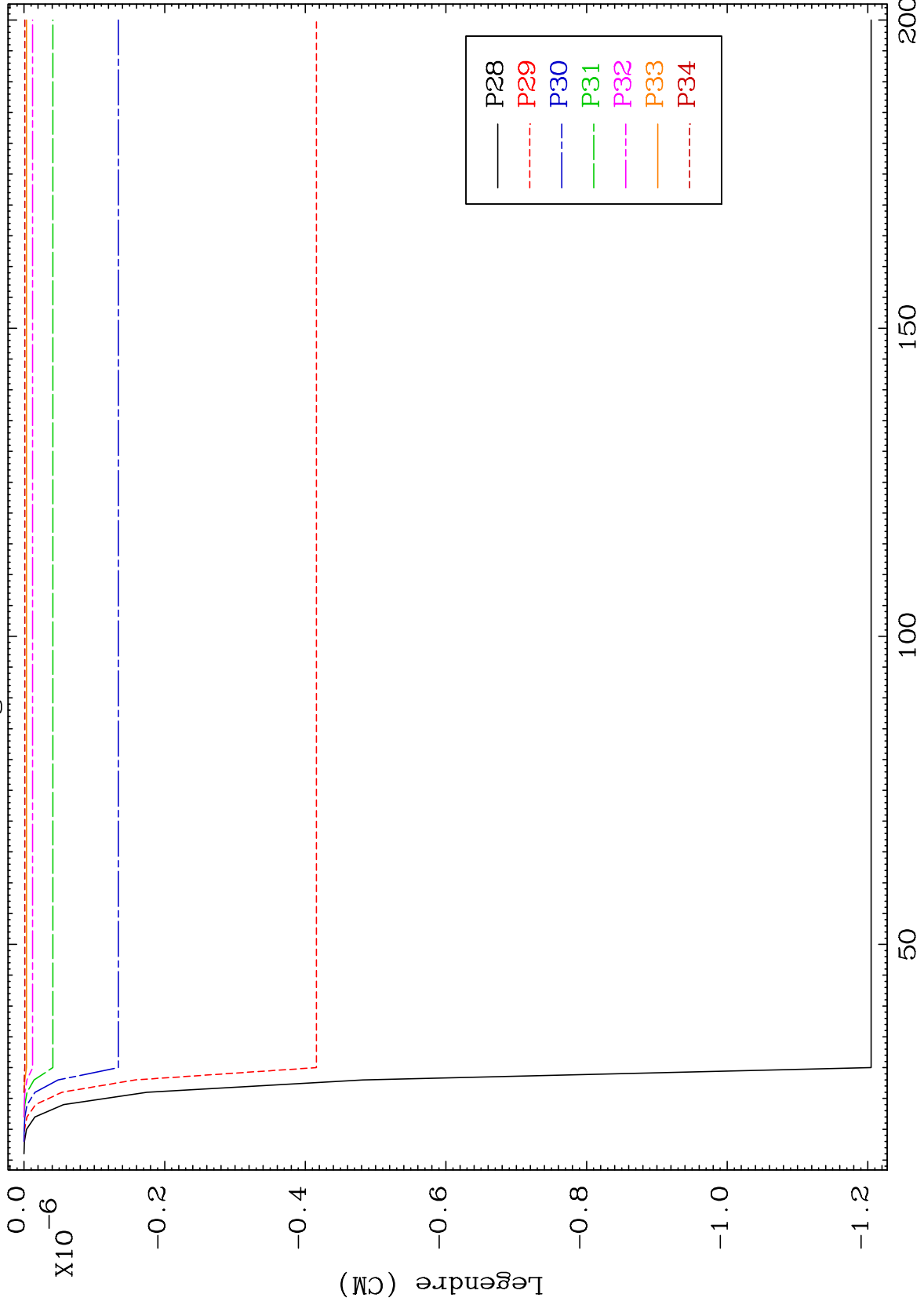
Incident Energy (MeV)

40

MAT 4531

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

45-Rh-105



45-Rh-105

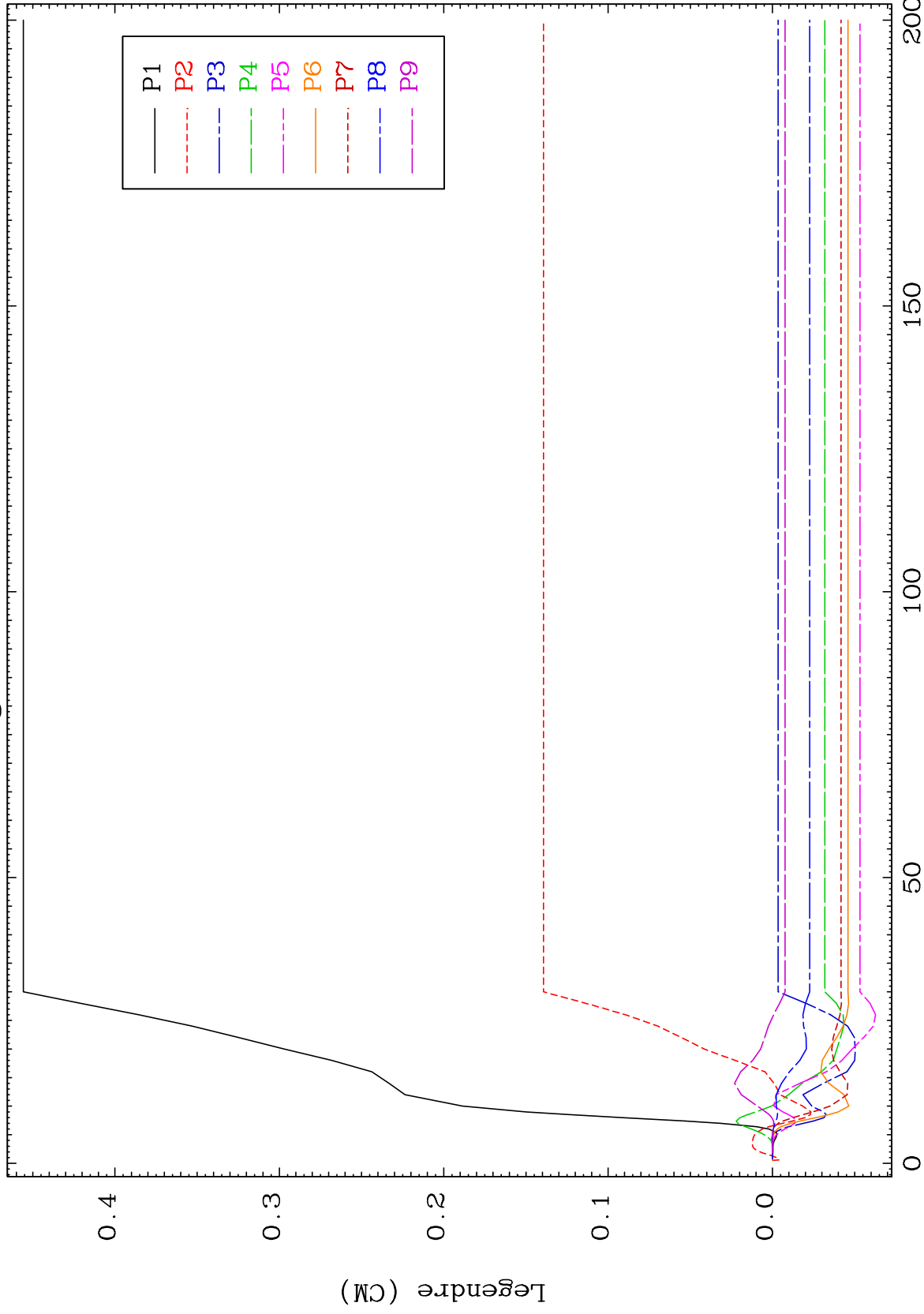
Incident Energy (MeV)

41

MAT 4531

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

45-Rh-105



42

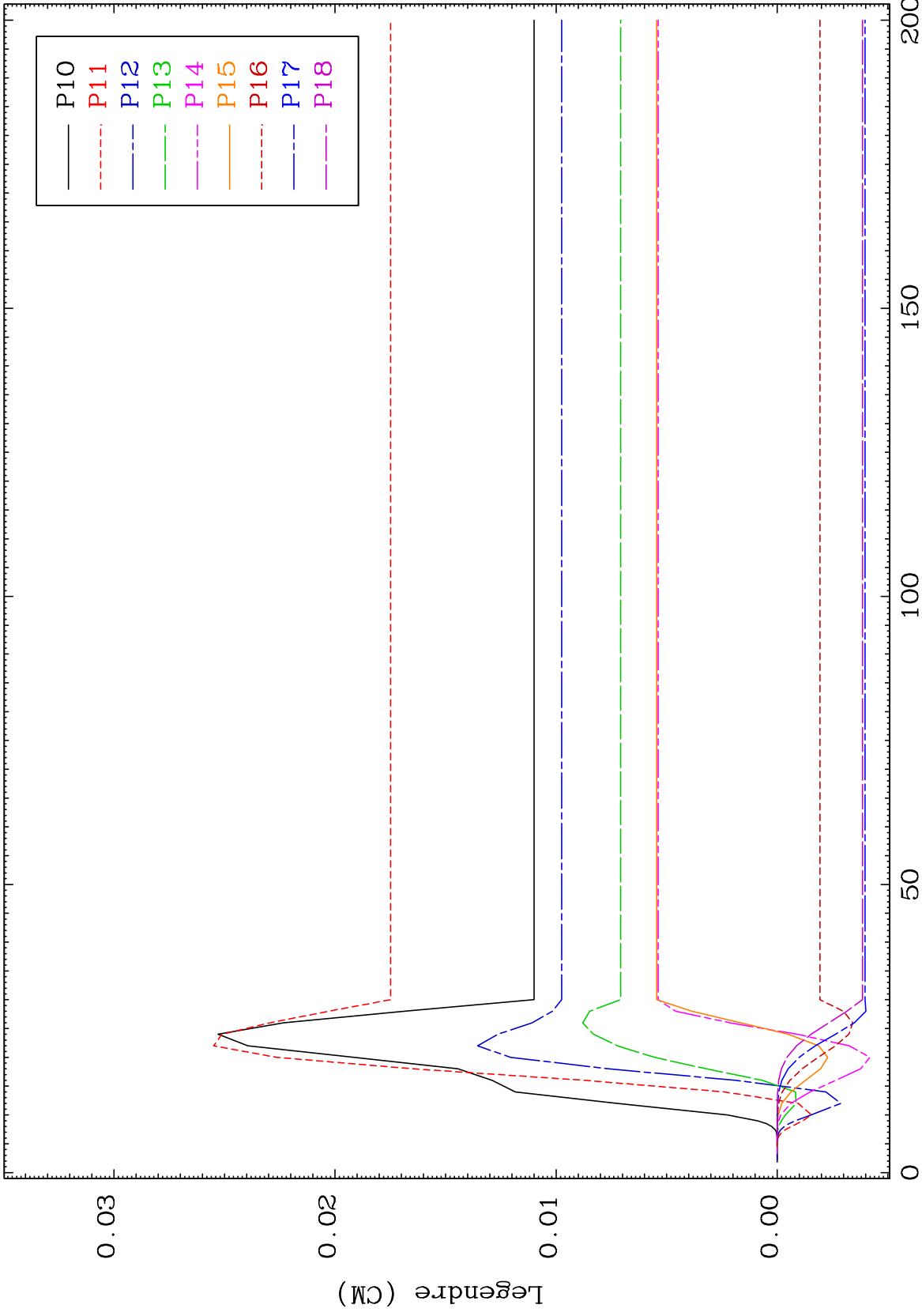
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



43

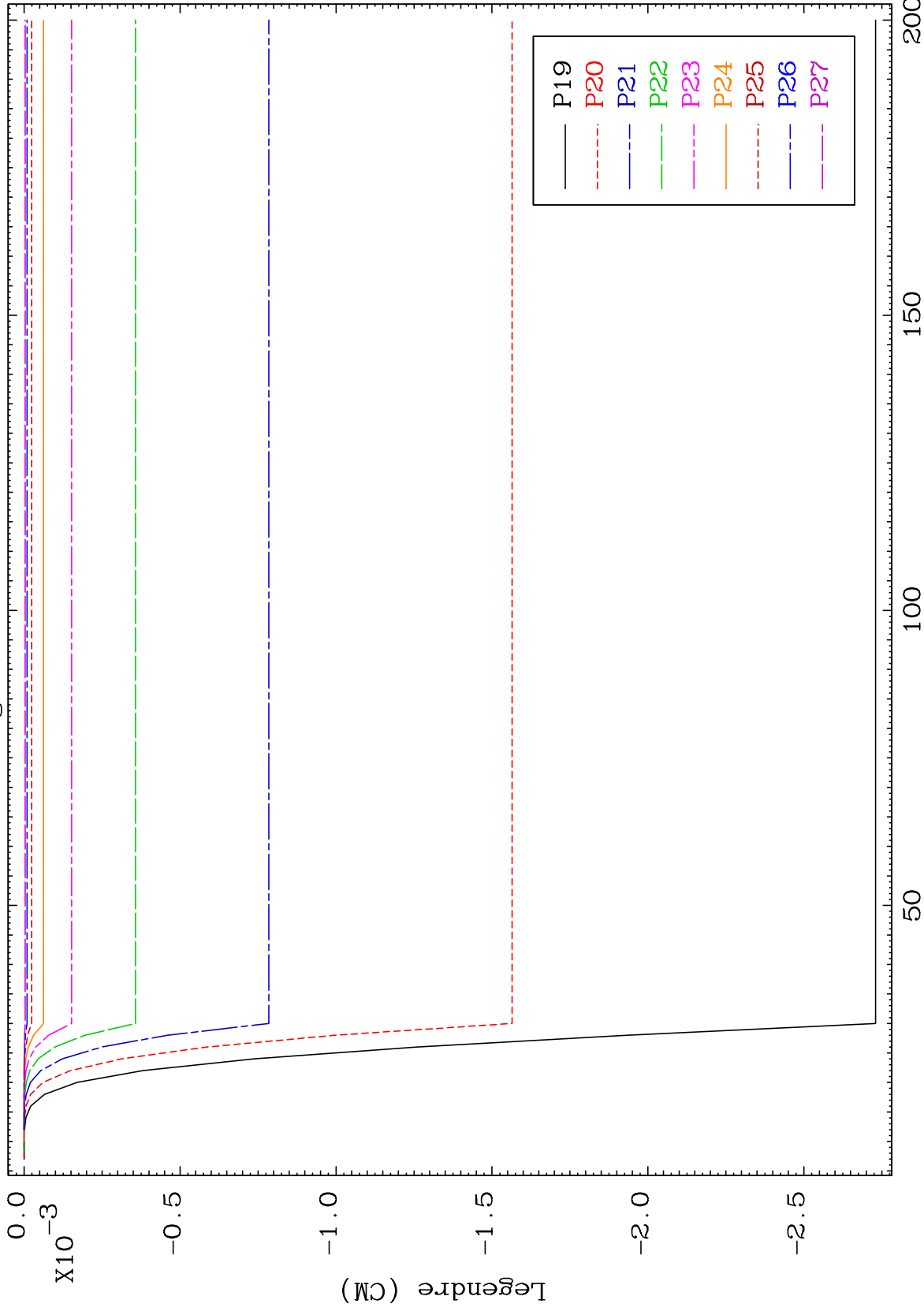
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



45-Rh-105

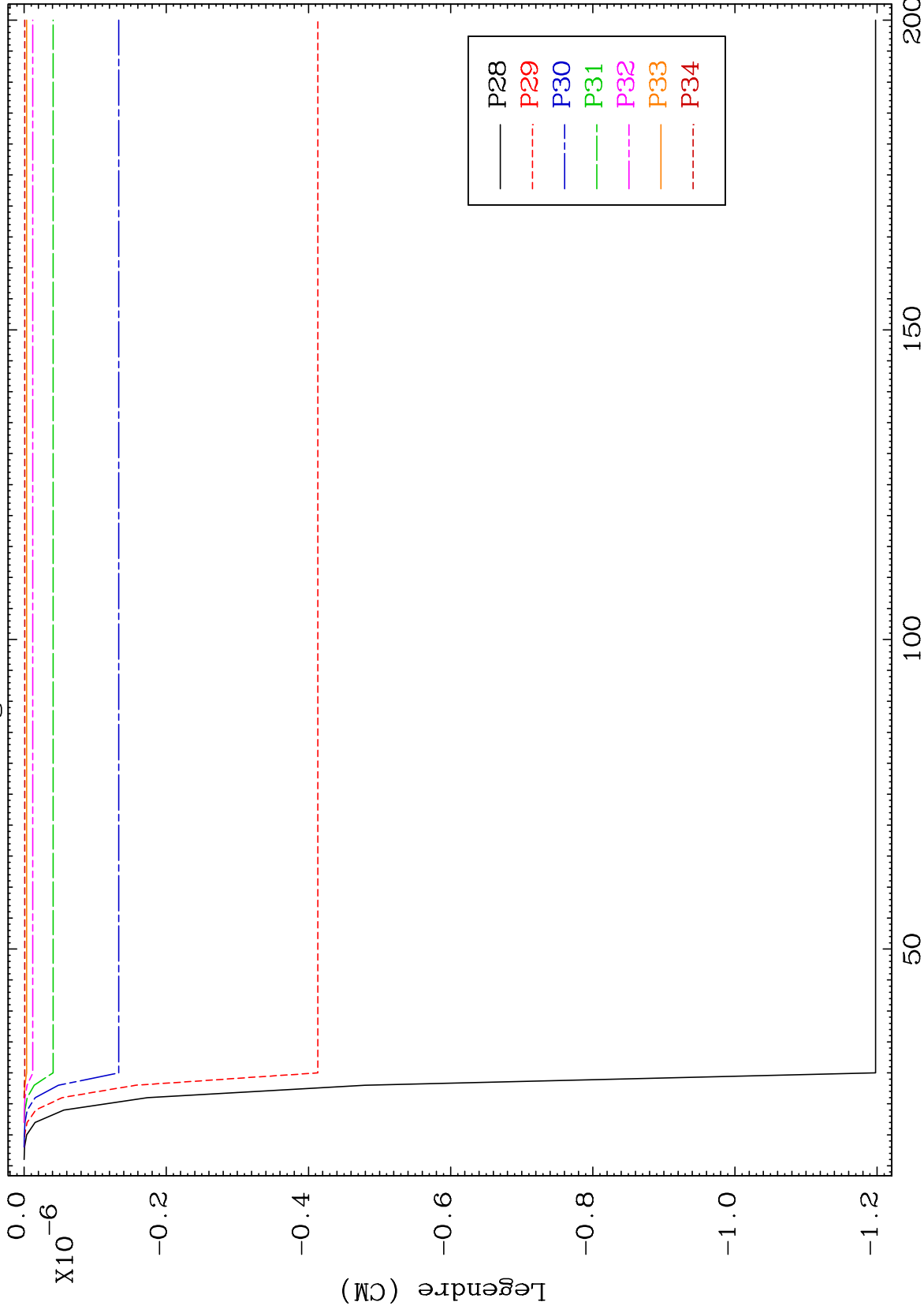
Incident Energy (MeV)

44

MAT 4531

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

45-Rh-105



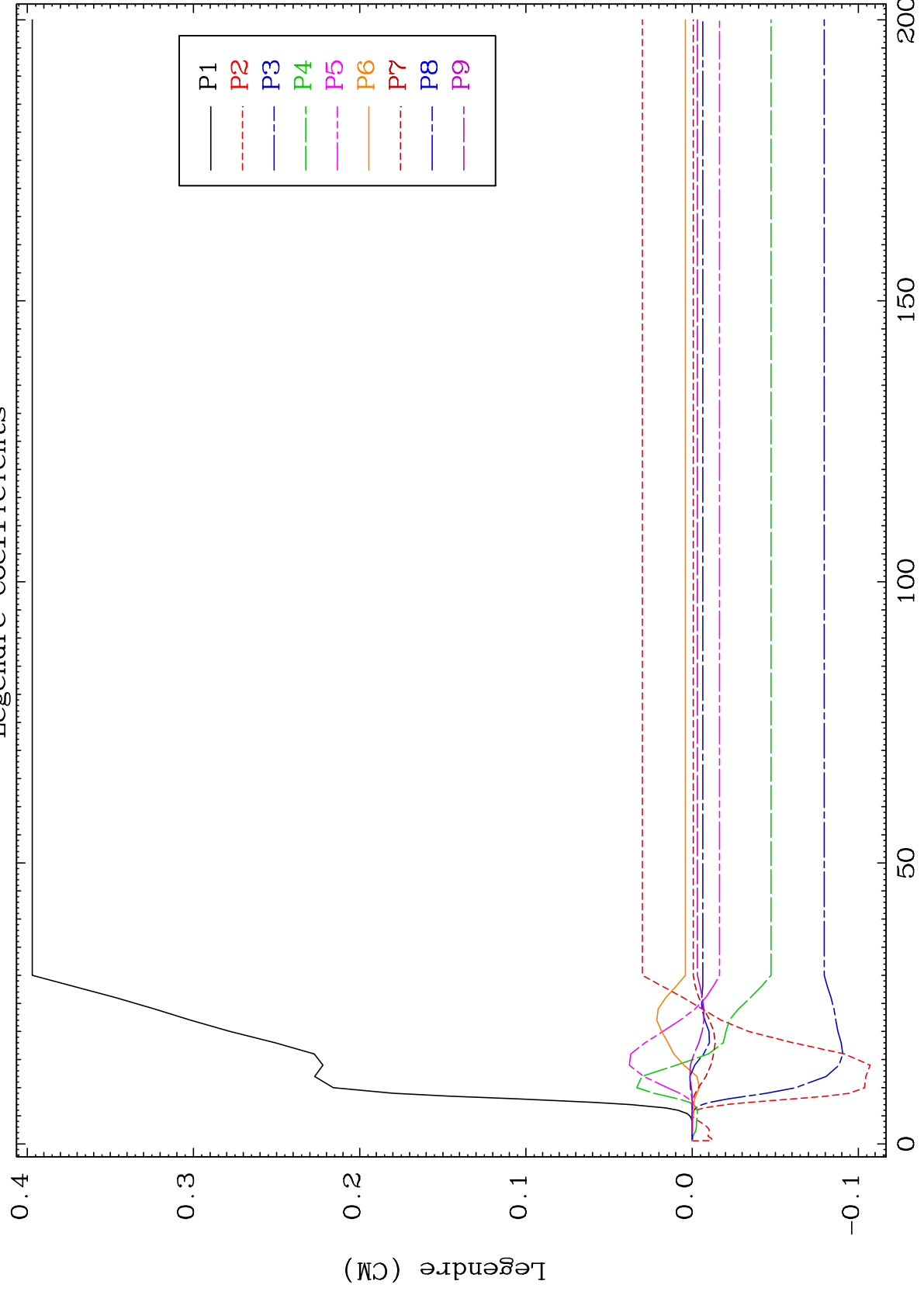
45

45-Rh-105

45-Rh-105

MAT 4531 MT= 58 (n,n') Level Legendre Coefficients

45-Rh-105



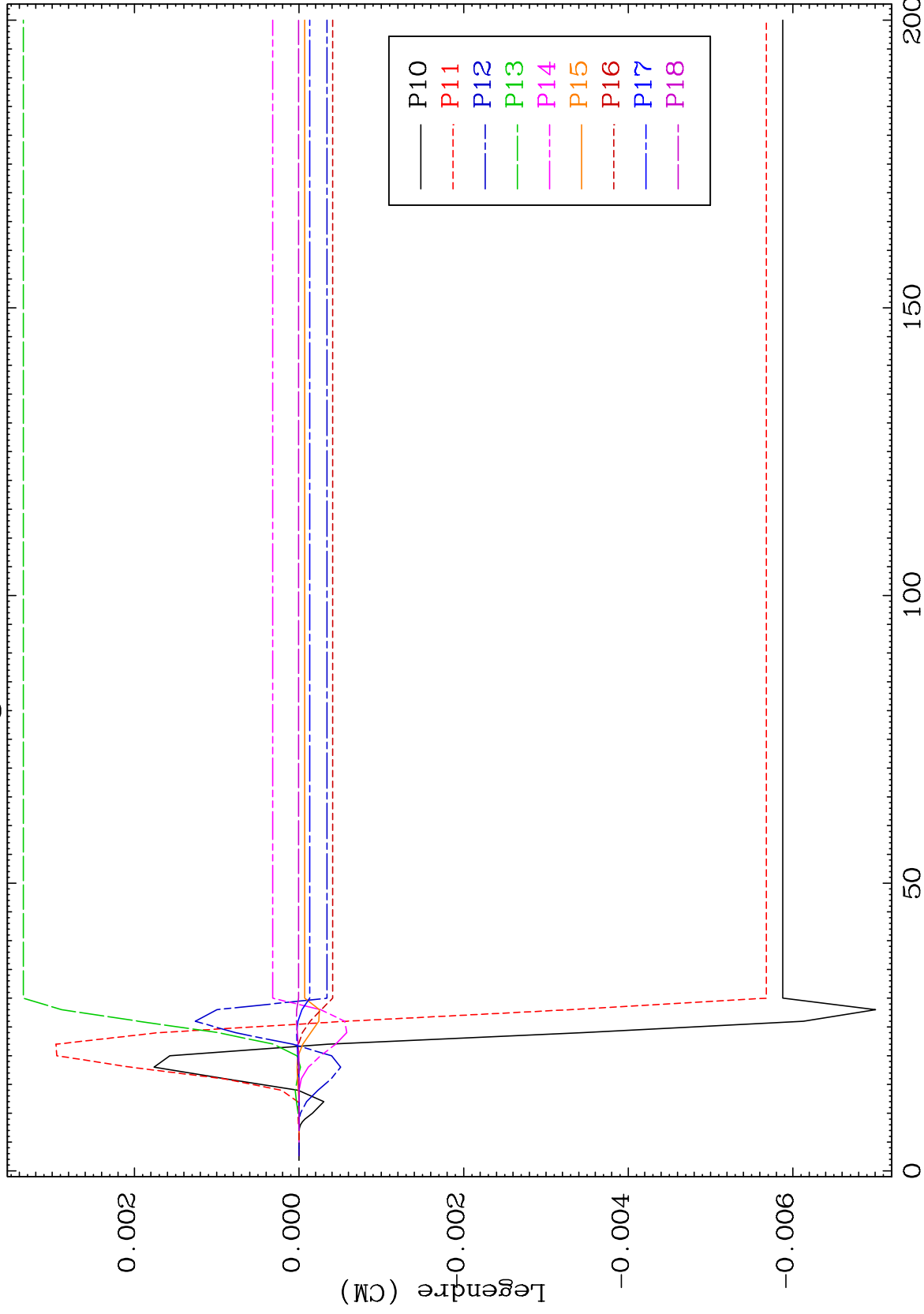
46

45-Rh-105

MAT 4531

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

45-Rh-105



47

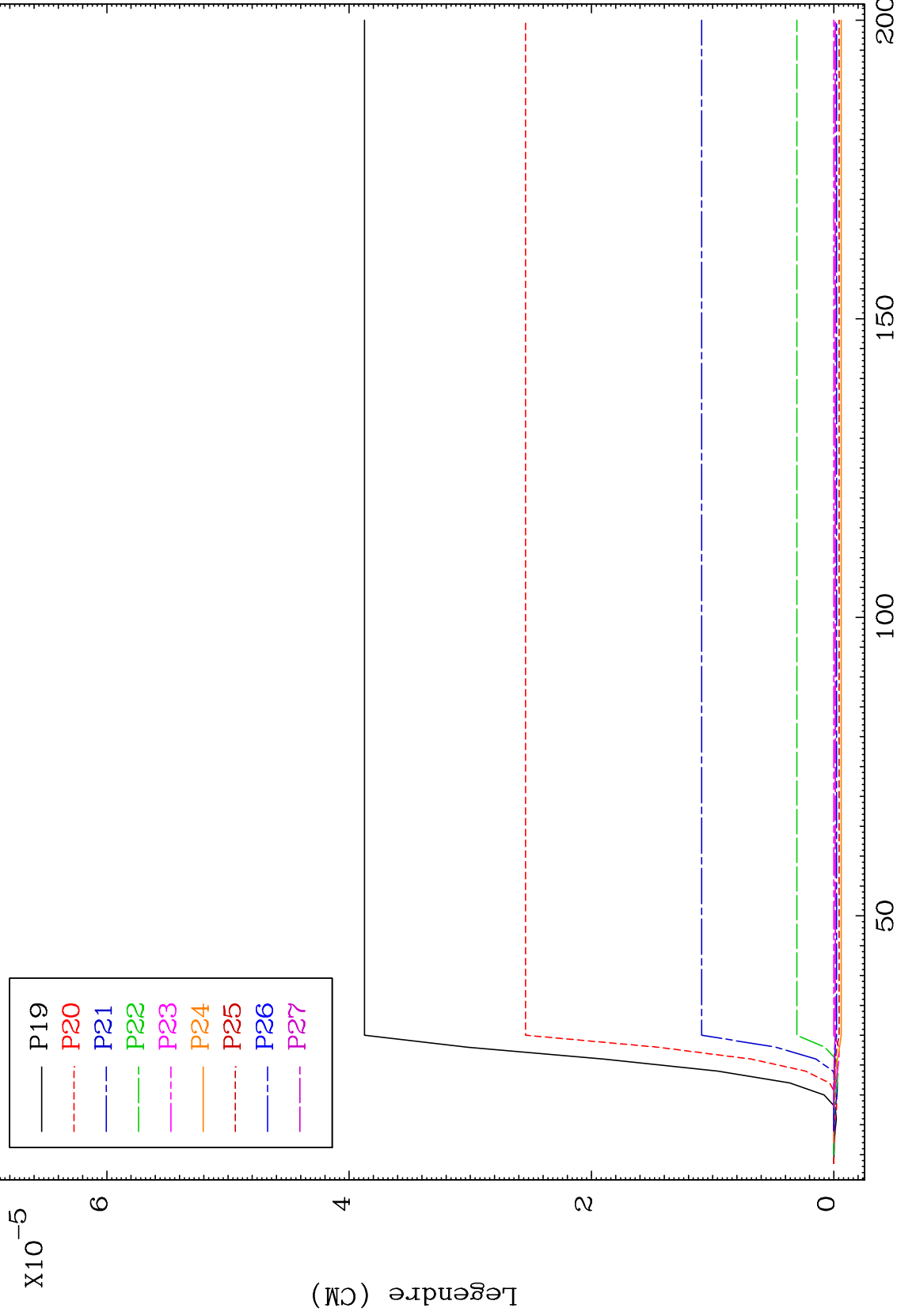
Incident Energy (MeV)

45-Rh-105

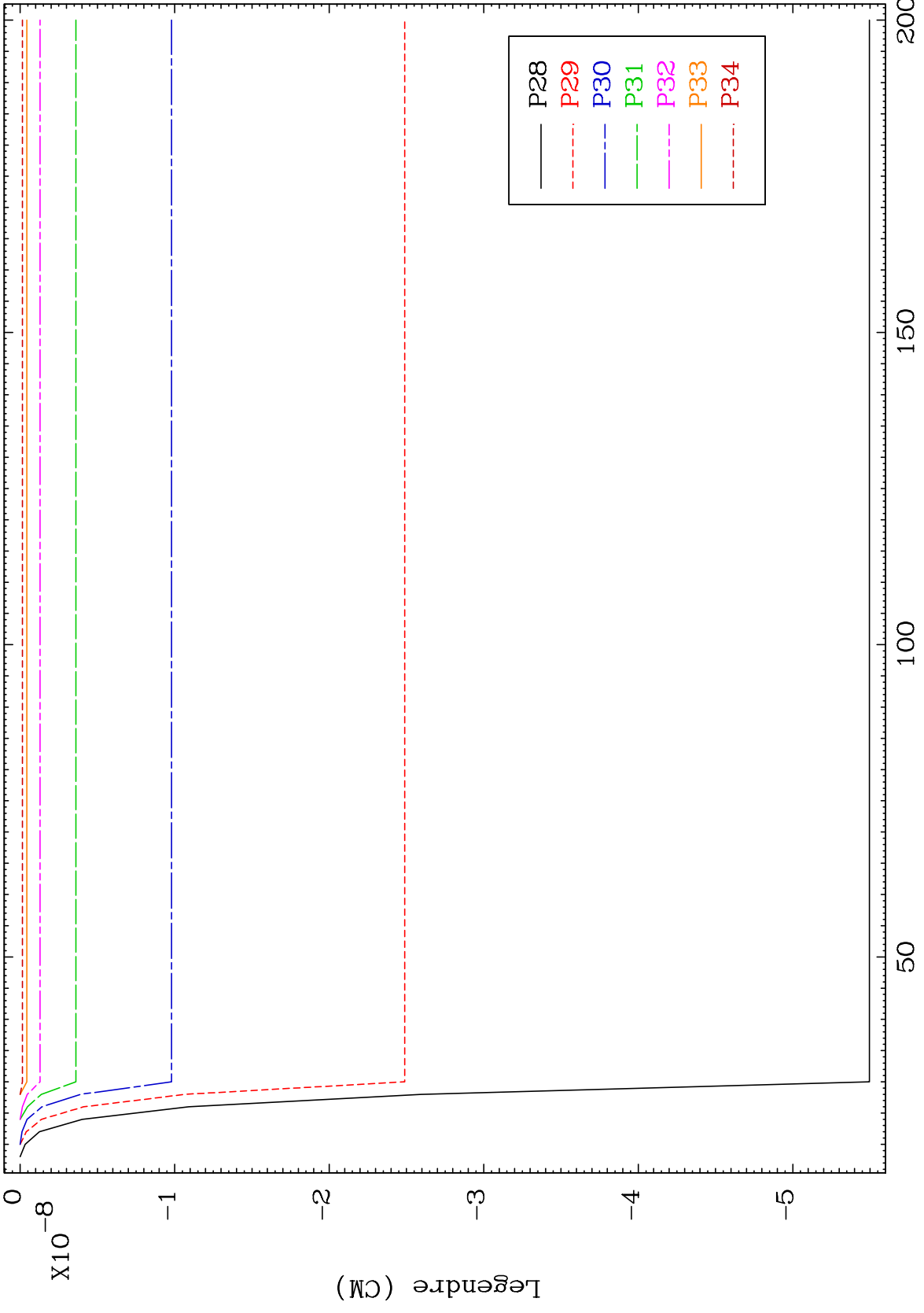
MAT 4531

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

45-Rh-105



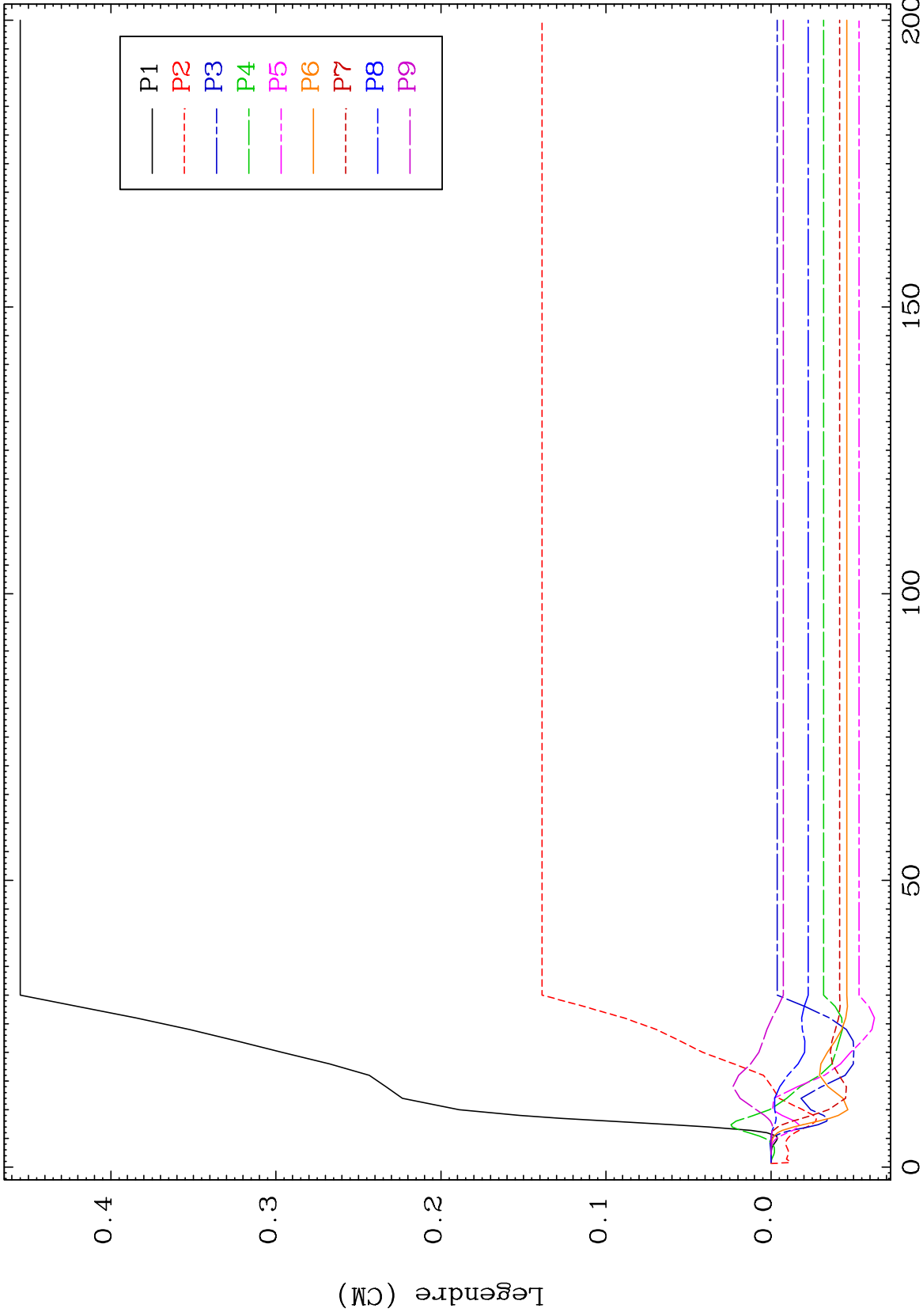
MAT 4531 MT= 58 (n,n') Level Legendre Coefficients 45-Rh-105



MAT 4531

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

45-Rh-105



45-Rh-105

Incident Energy (MeV)

0

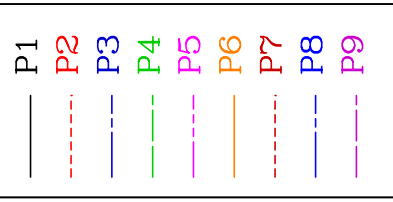
50

100

150

200

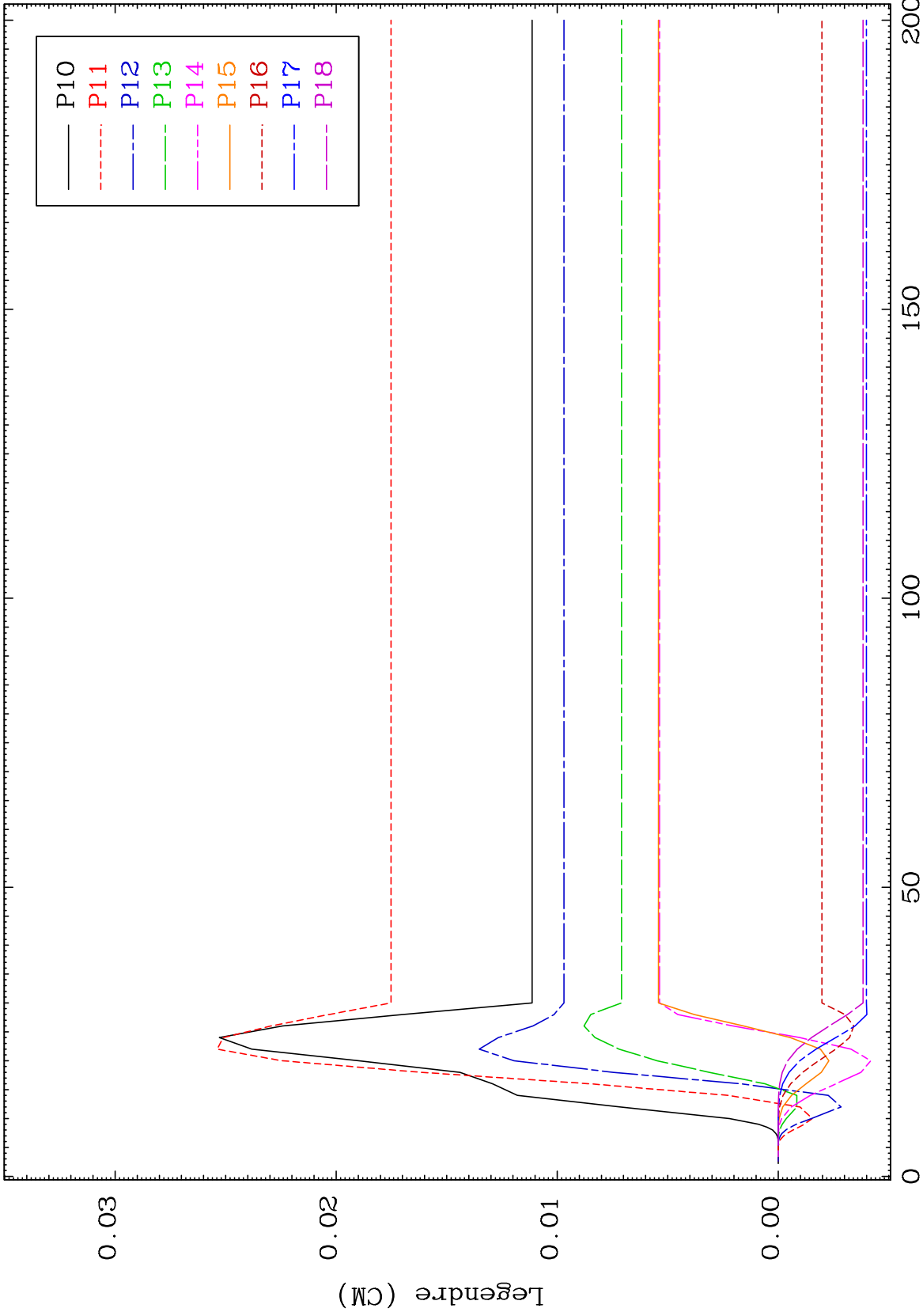
Legendre (CM)



MAT 4531

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

45-Rh-105



51

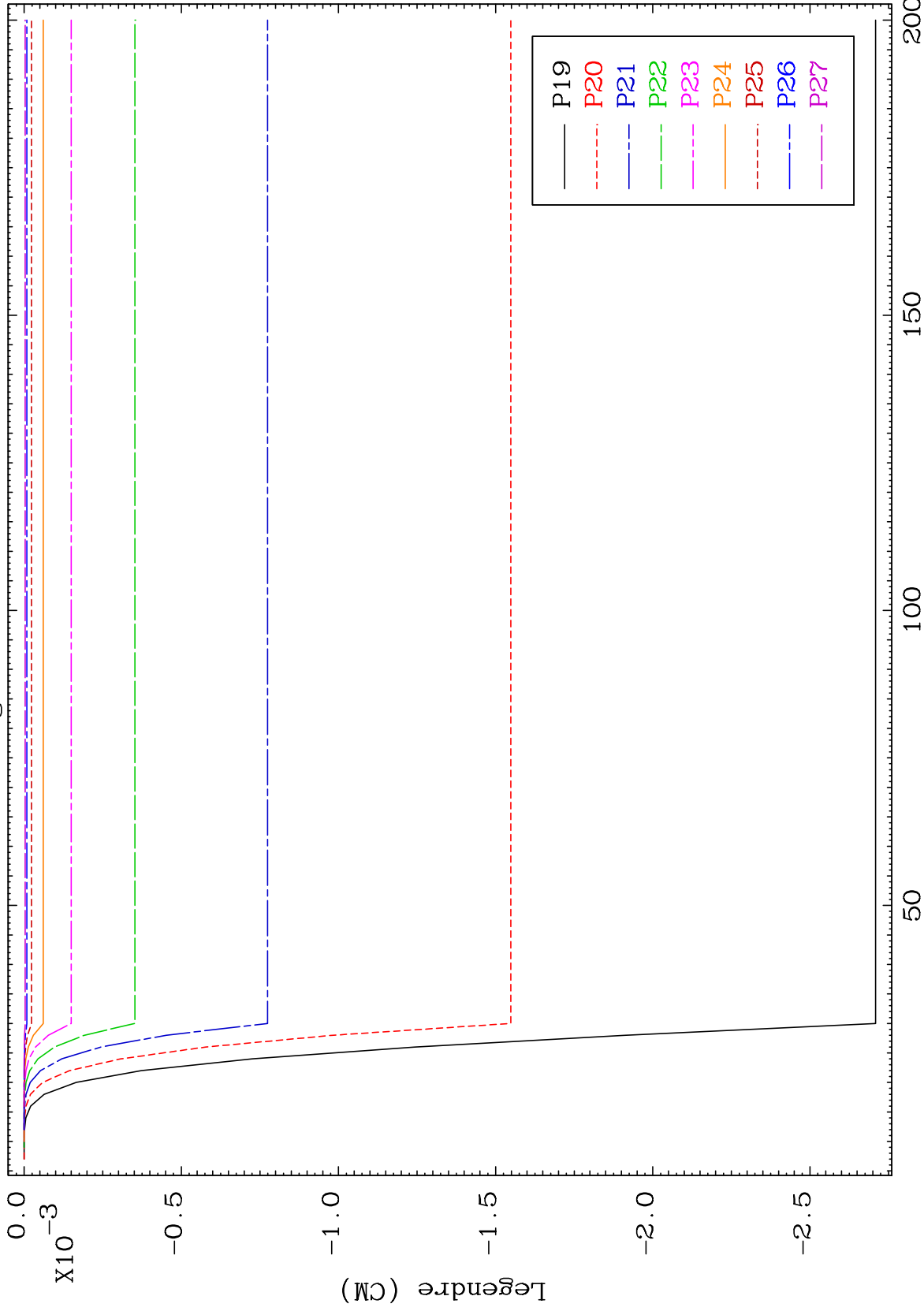
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



52

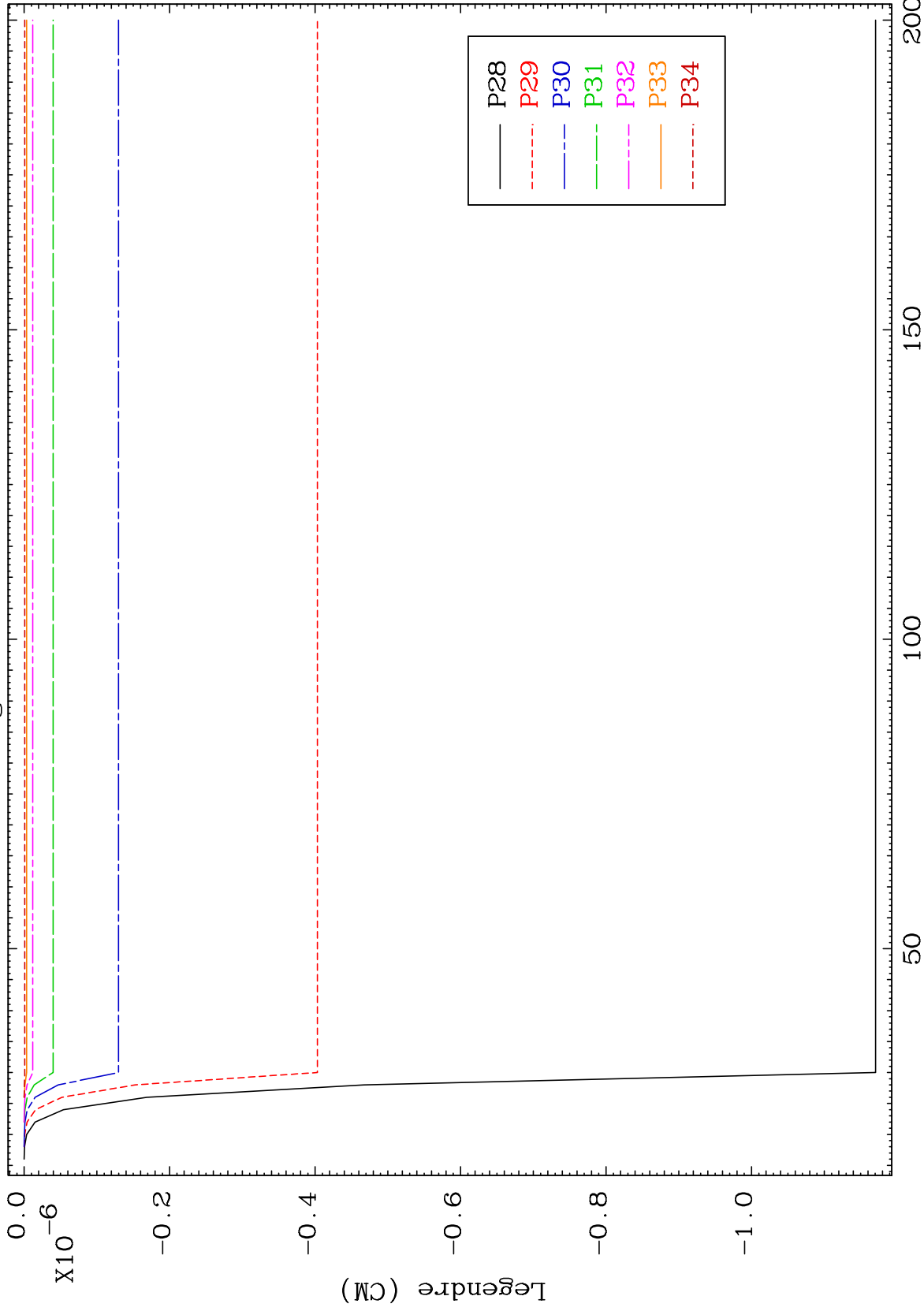
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105

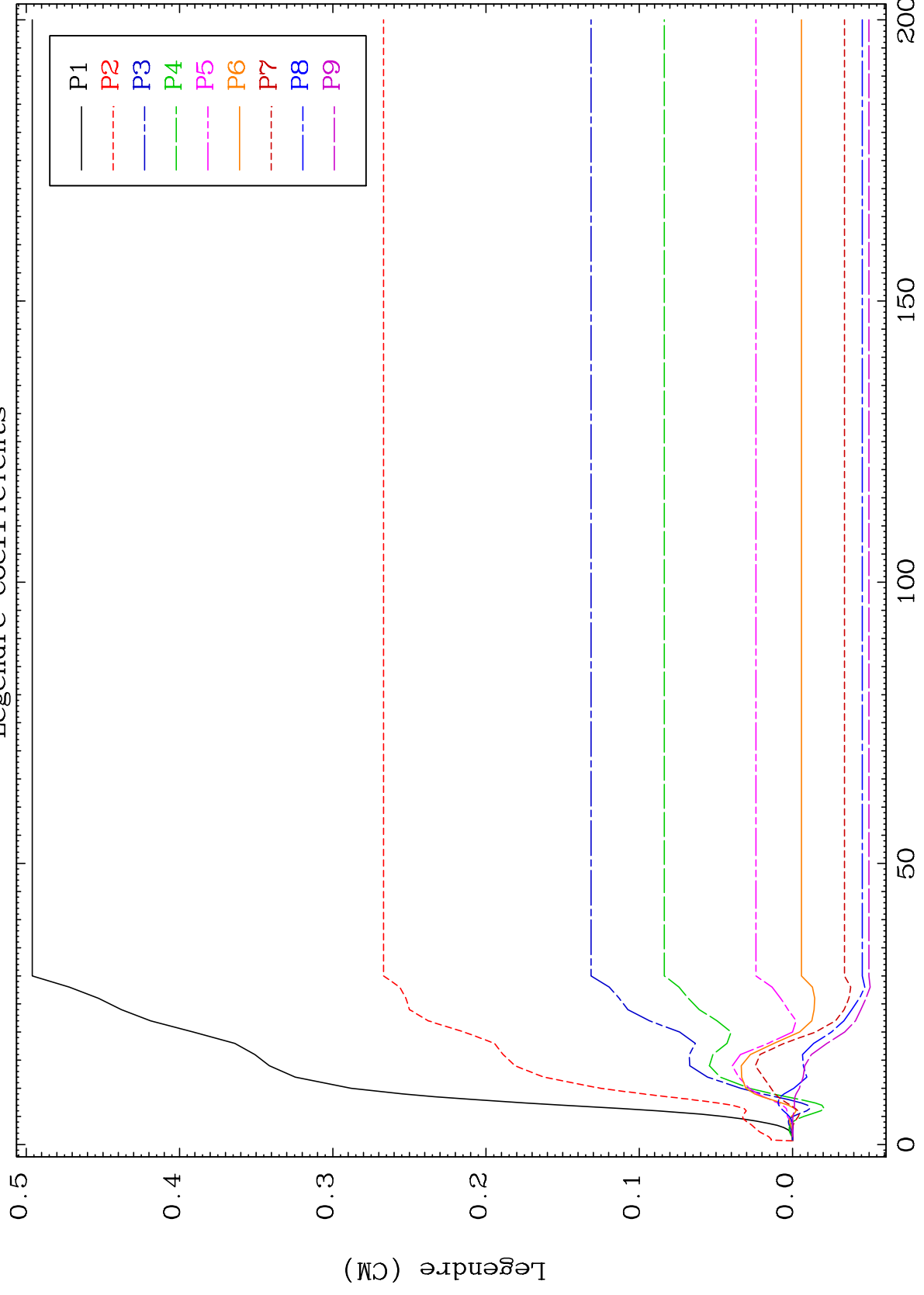


53

Incident Energy (MeV)

45-Rh-105

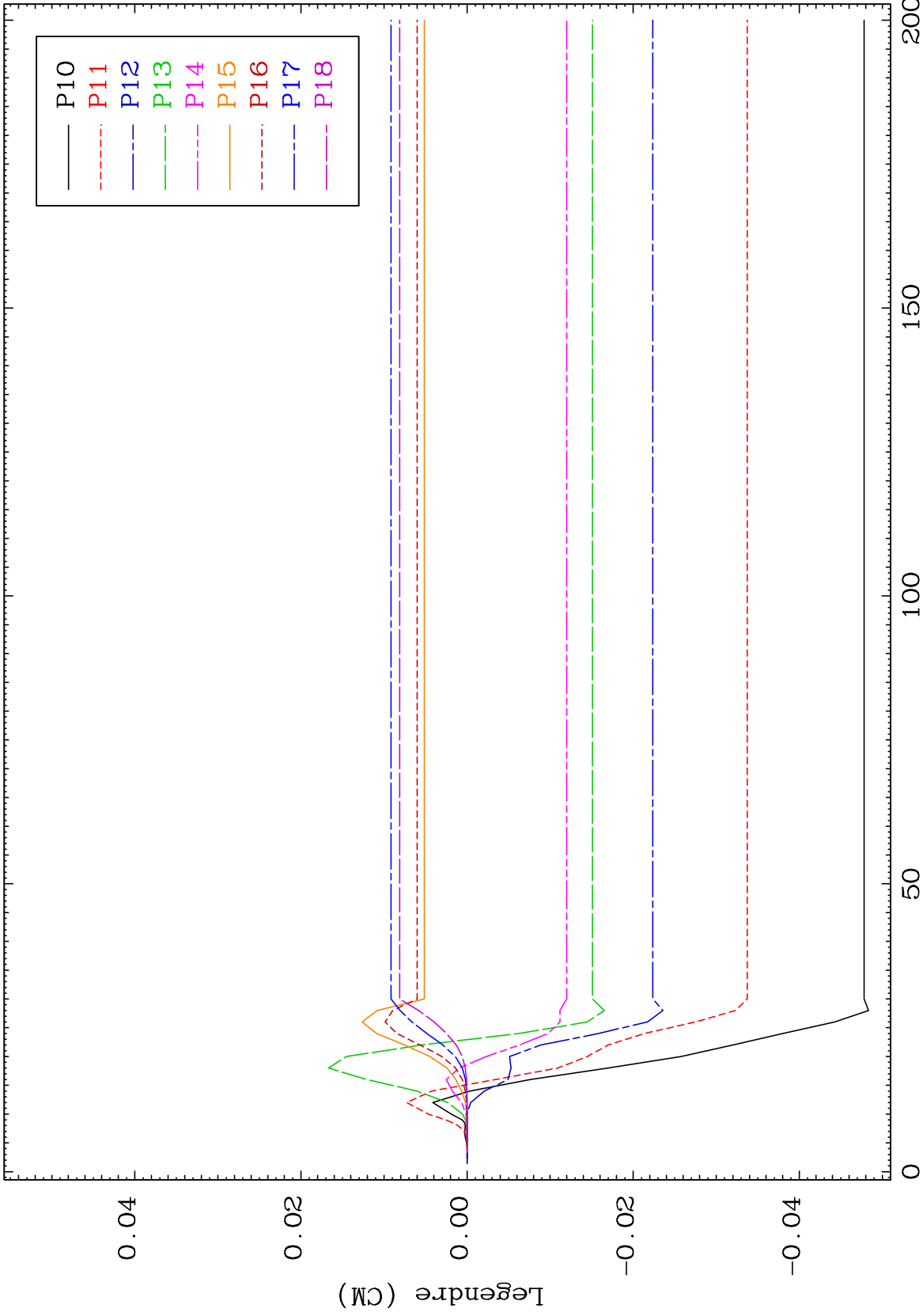
MAT 4531 MT= 60 (n,n') Level Legendre Coefficients 45-Rh-105



MAT 4531

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

45-Rh-105



55

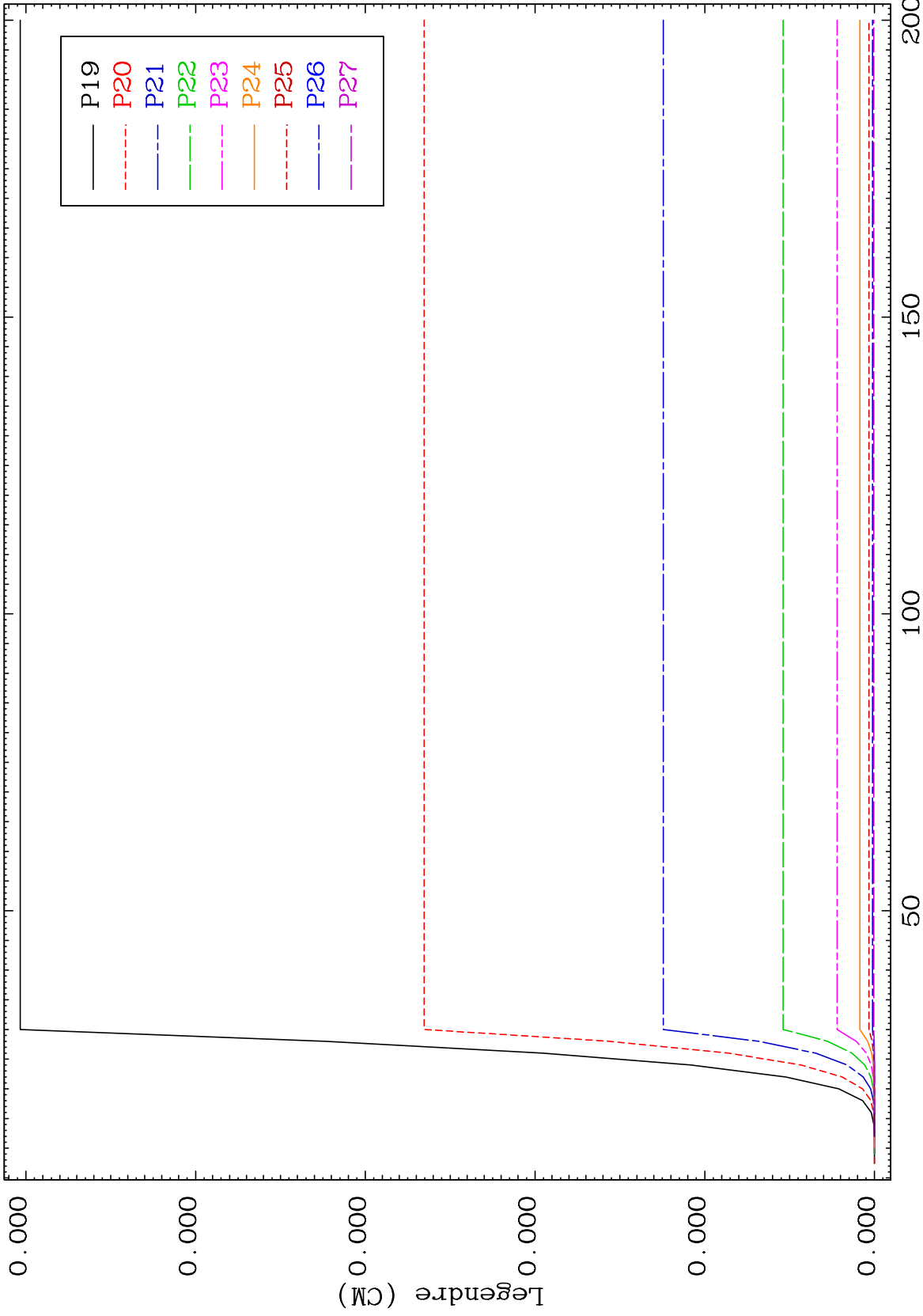
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



56

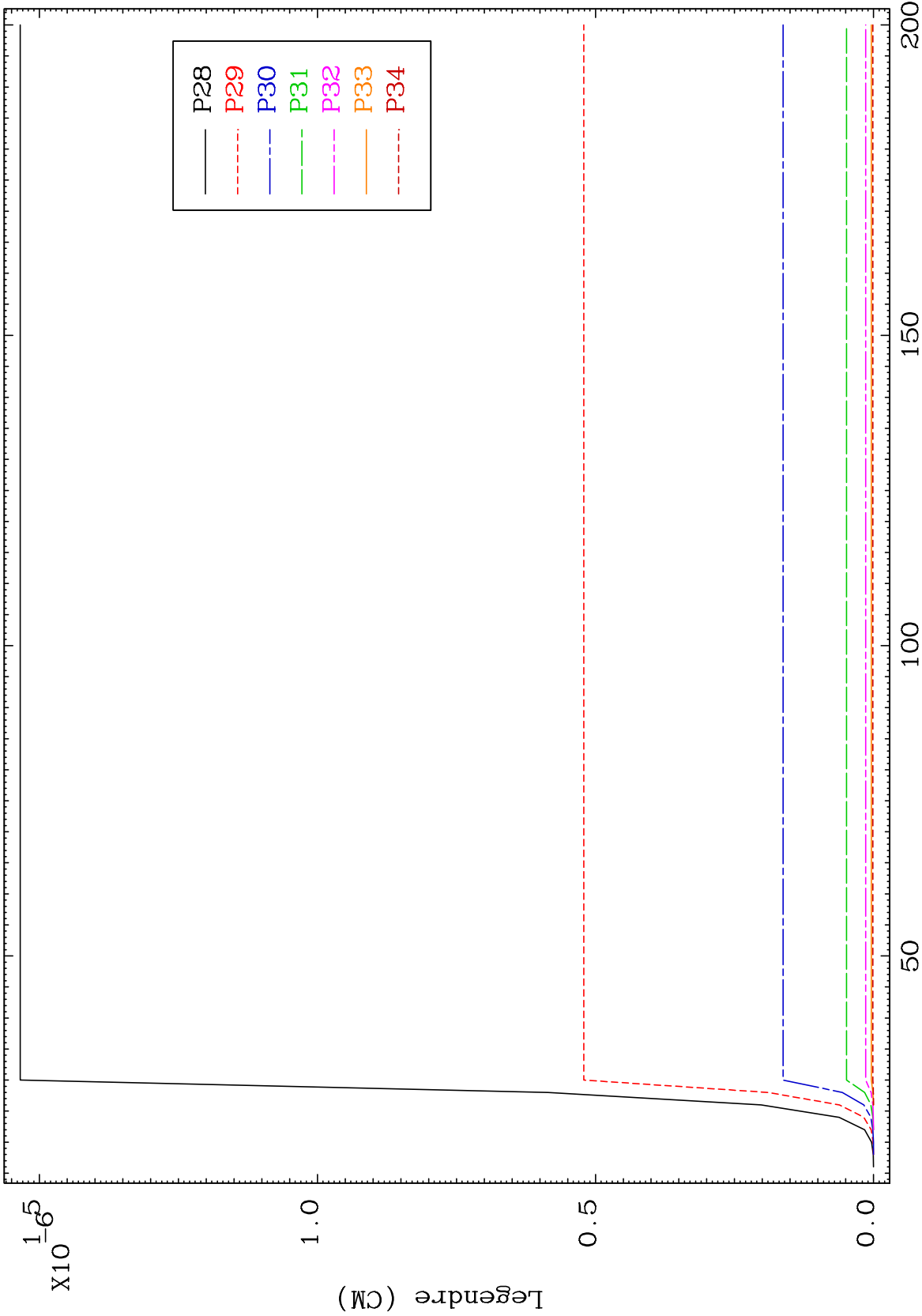
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



57

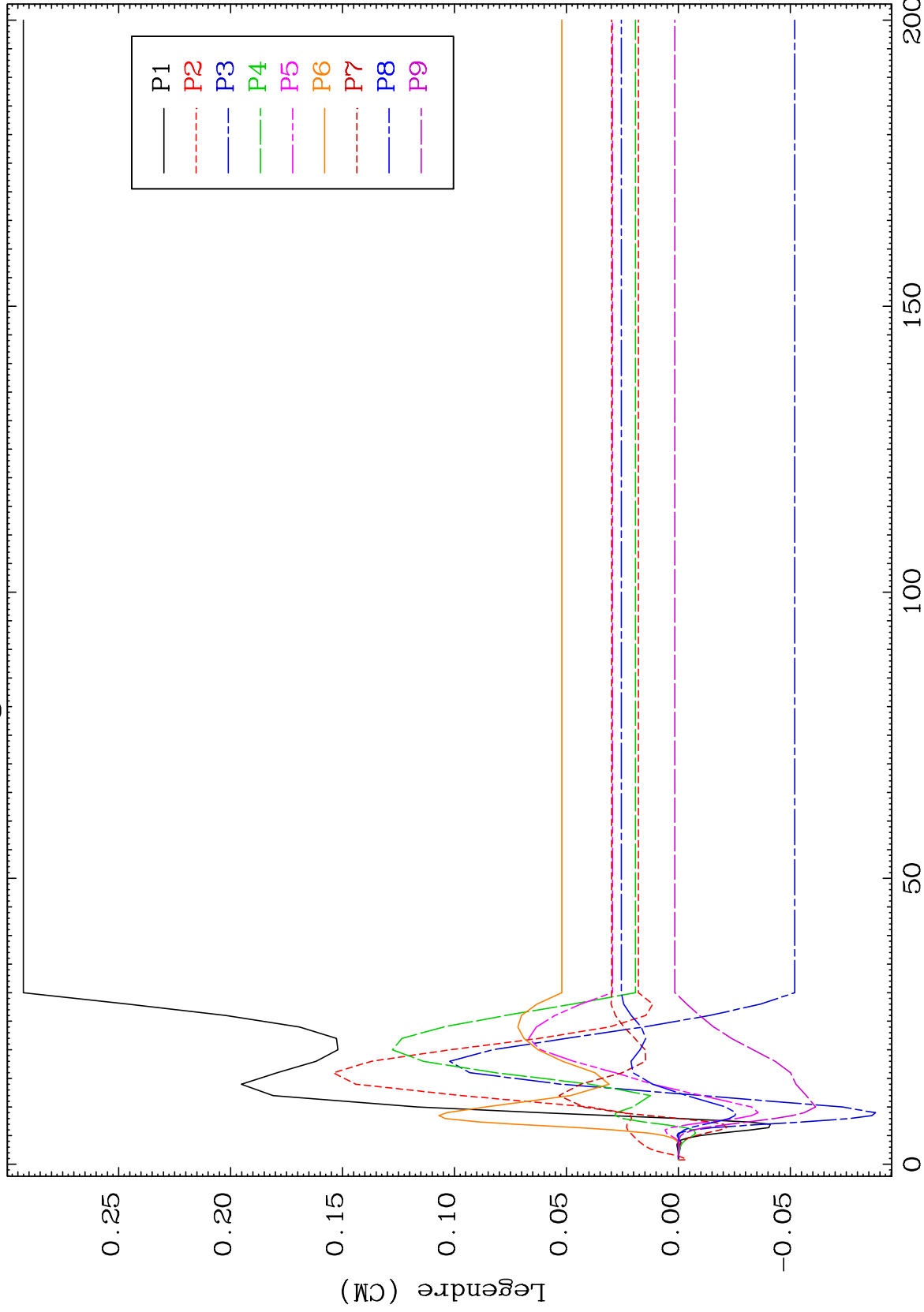
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



58

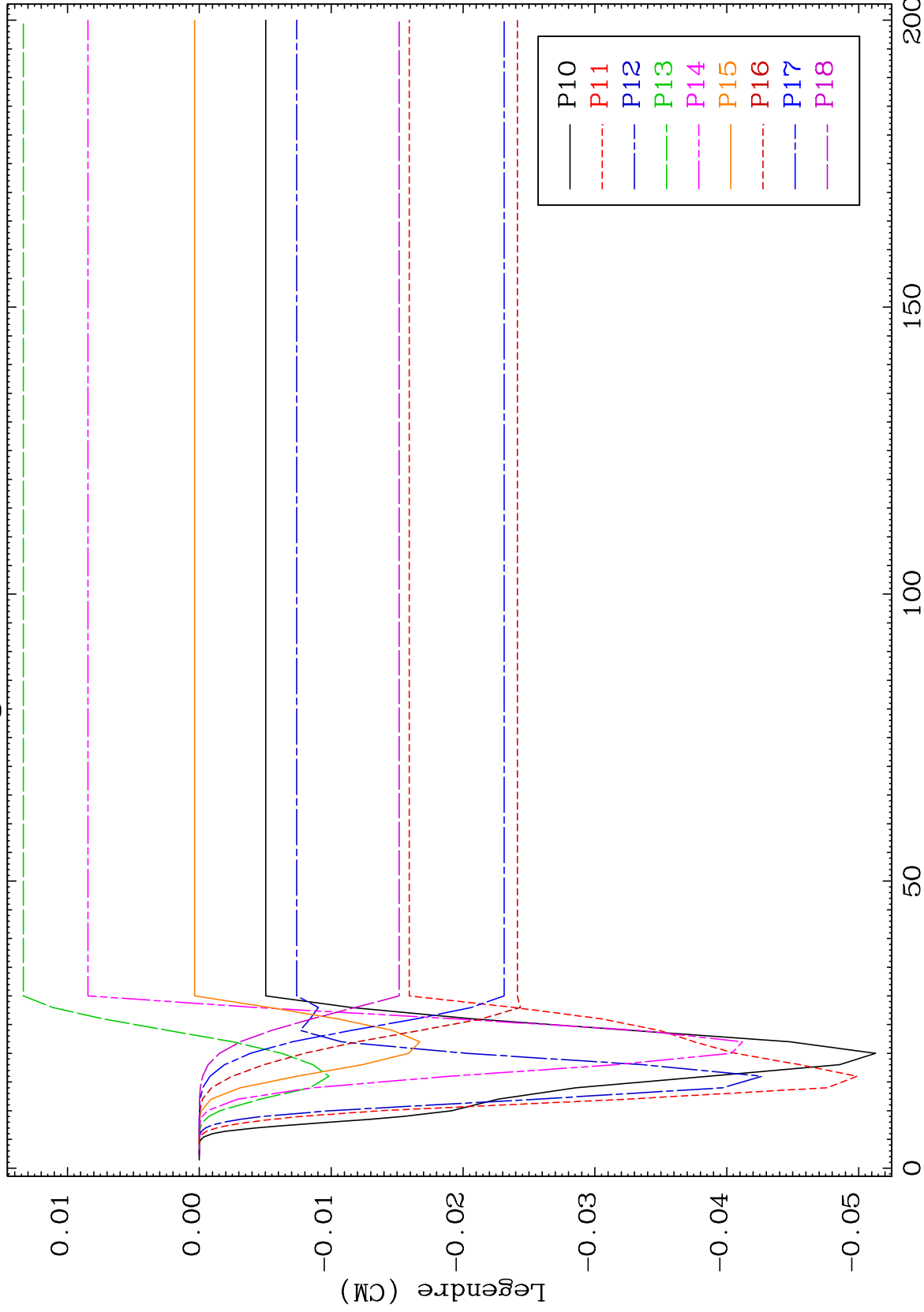
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105

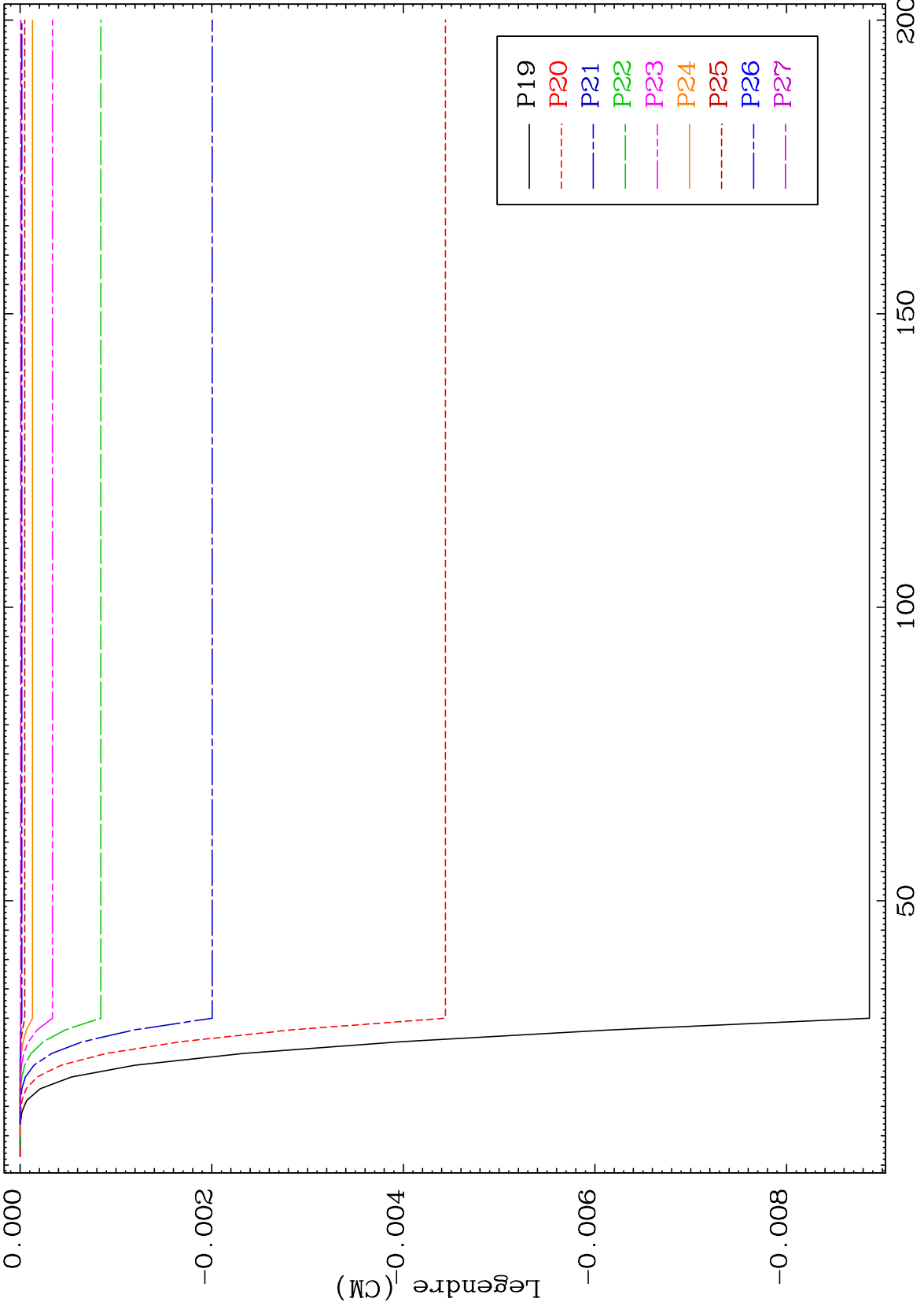


59

Incident Energy (MeV)

45-Rh-105

MAT 4531 MT= 61 (n,n') Level Legendre Coefficients 45-Rh-105



60 Incident Energy (MeV) 45-Rh-105

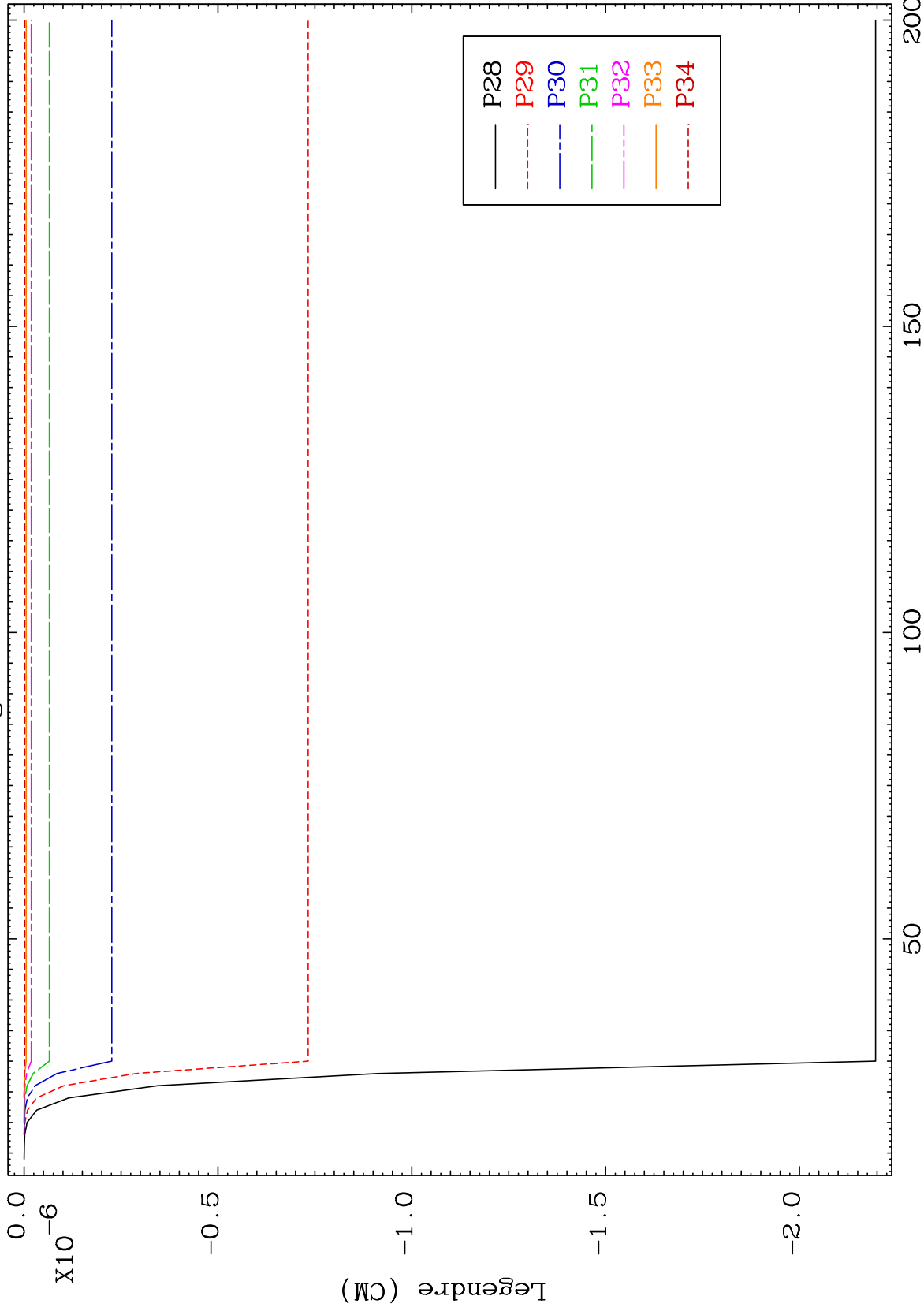
MAT 4531

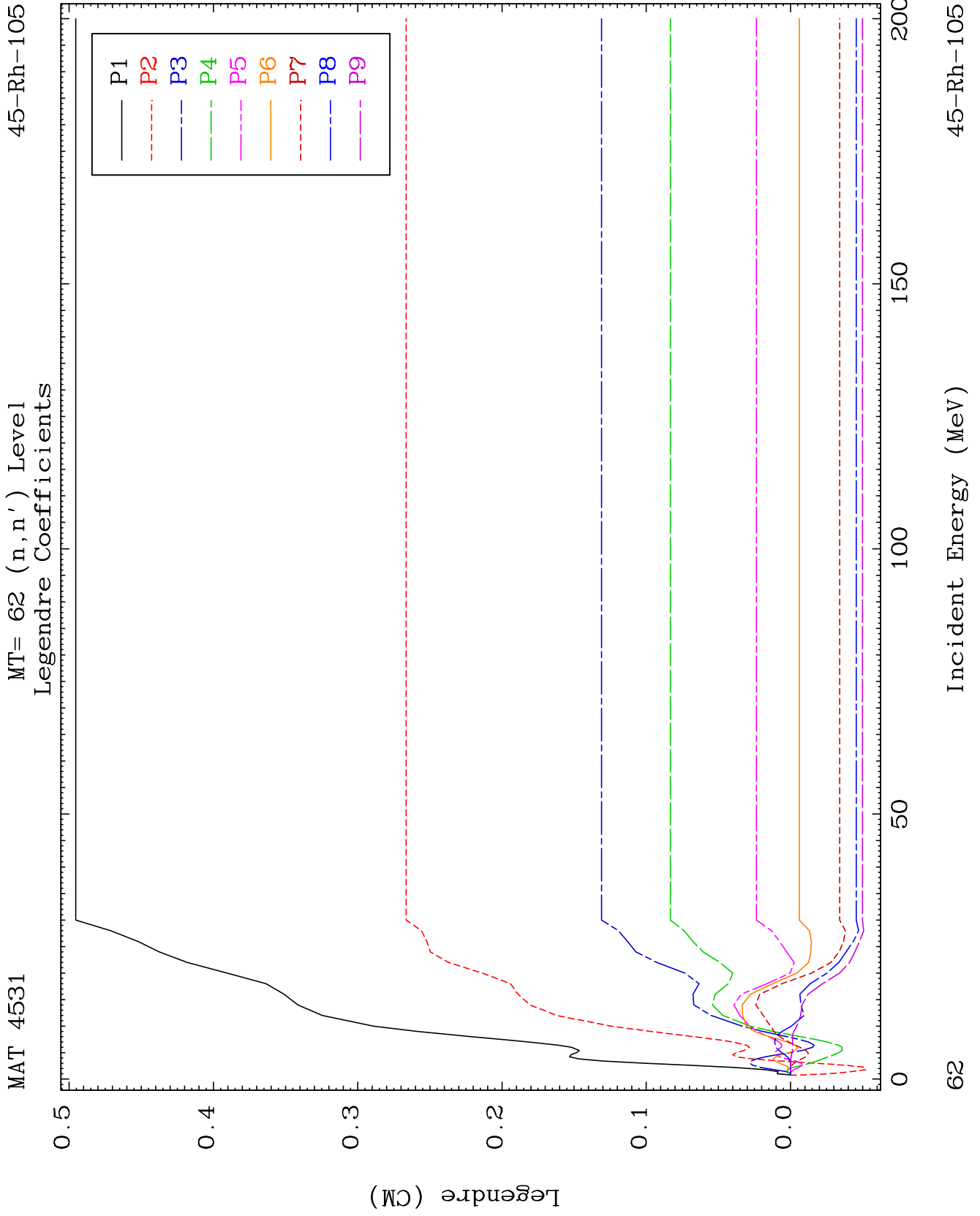
MT= 61 (n,n') Level
Legendre Coefficients

45-Rh-105

Incident Energy (MeV)

61

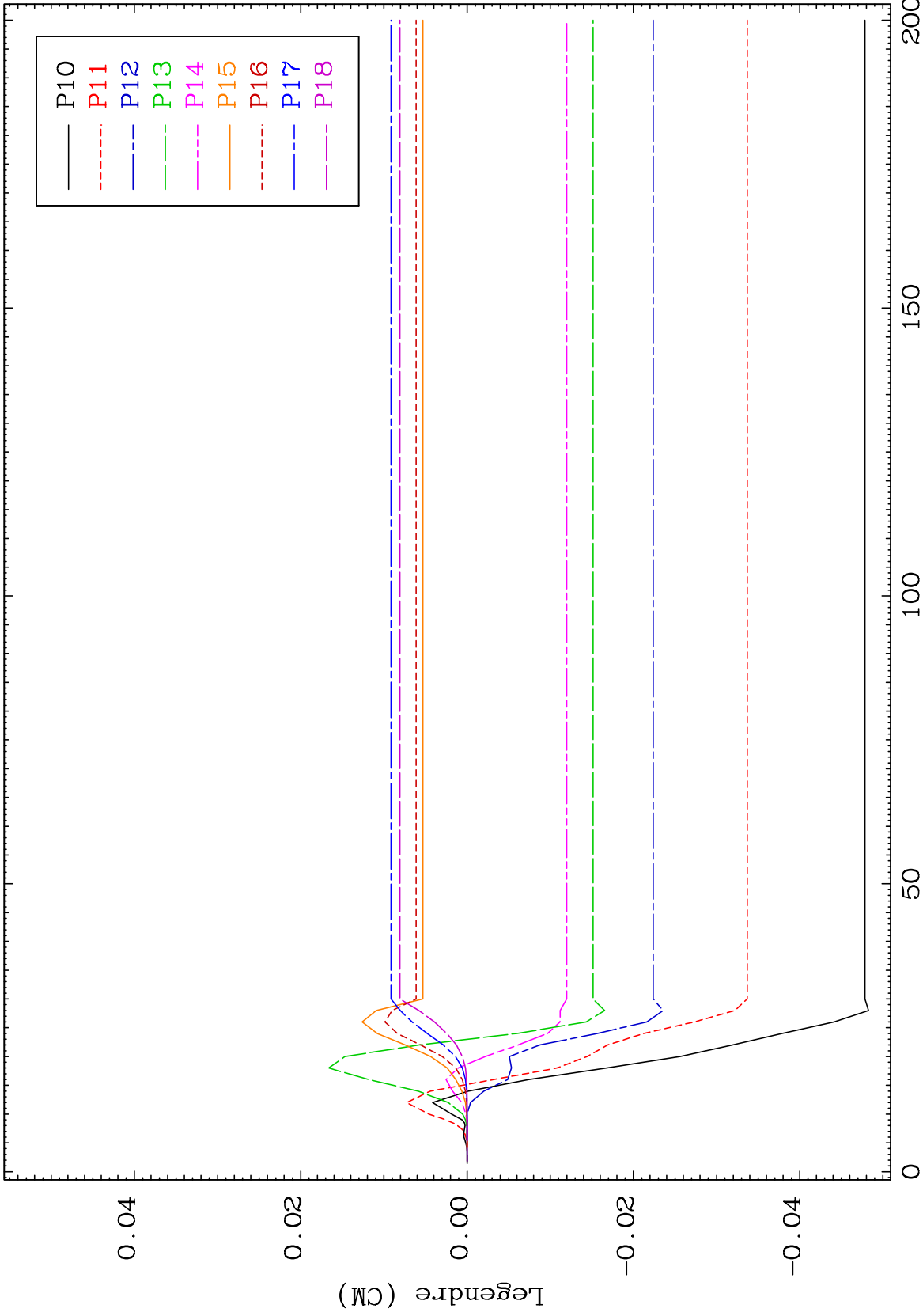




MAT 4531

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

45-Rh-105



63

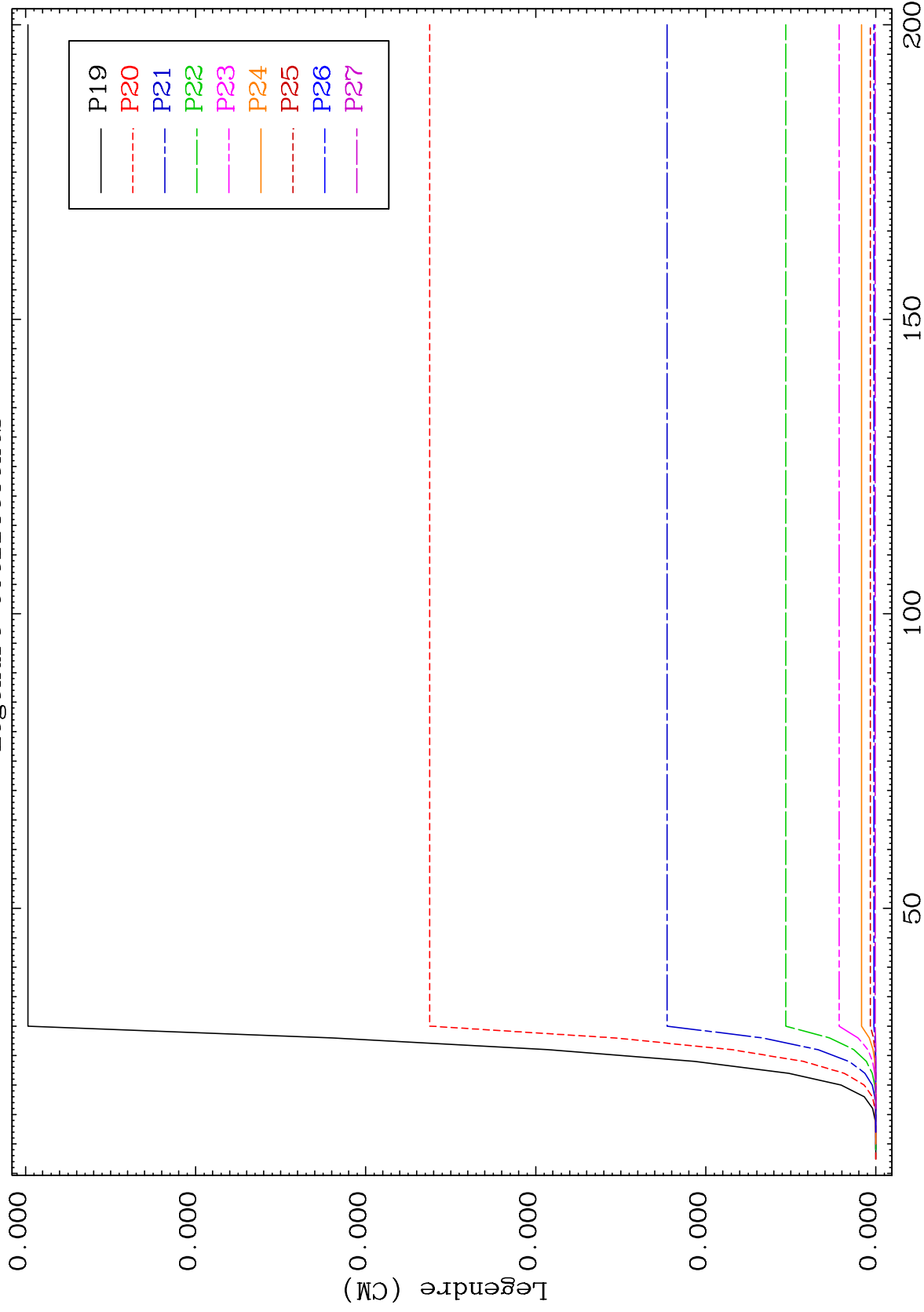
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



64

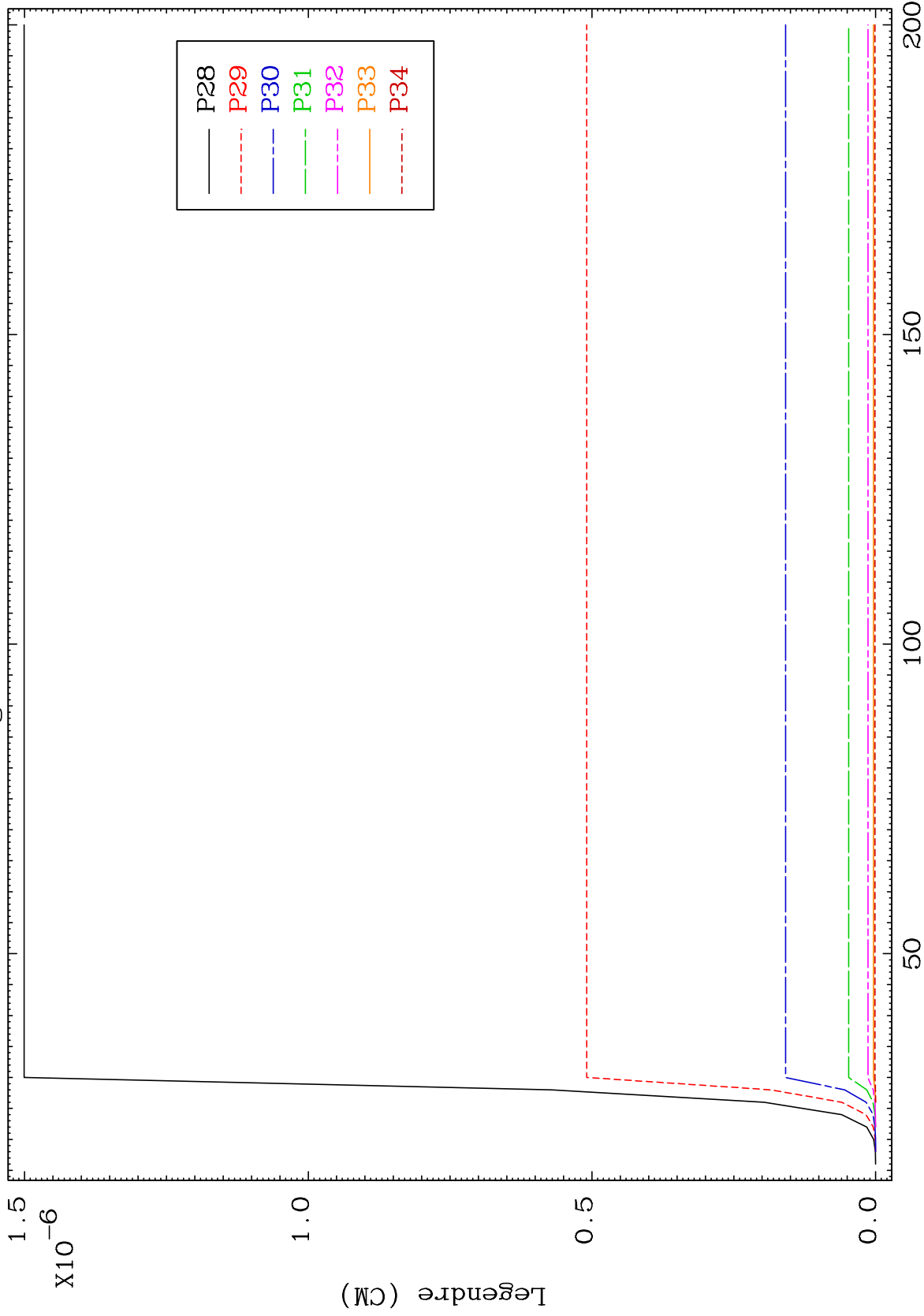
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



65

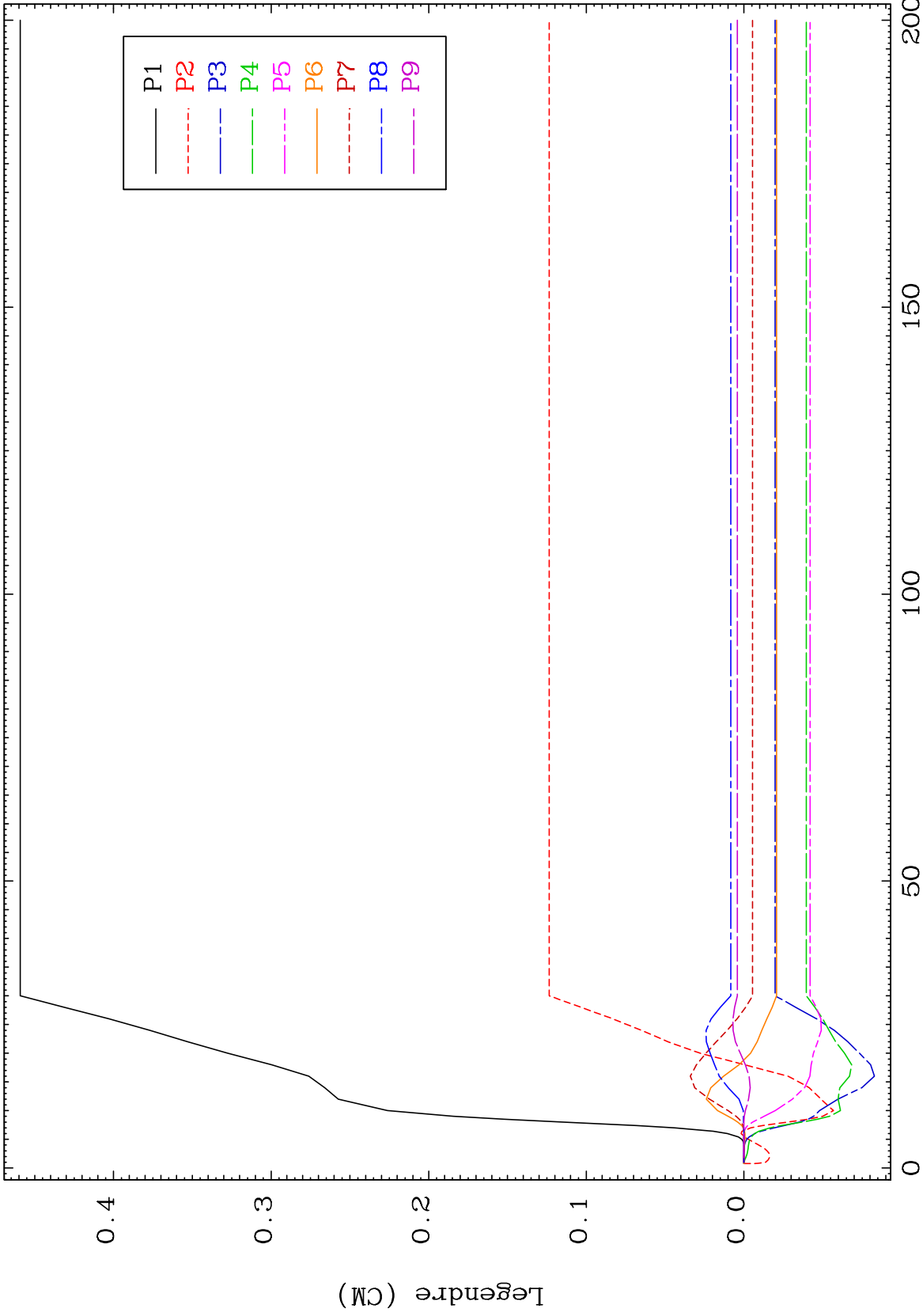
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

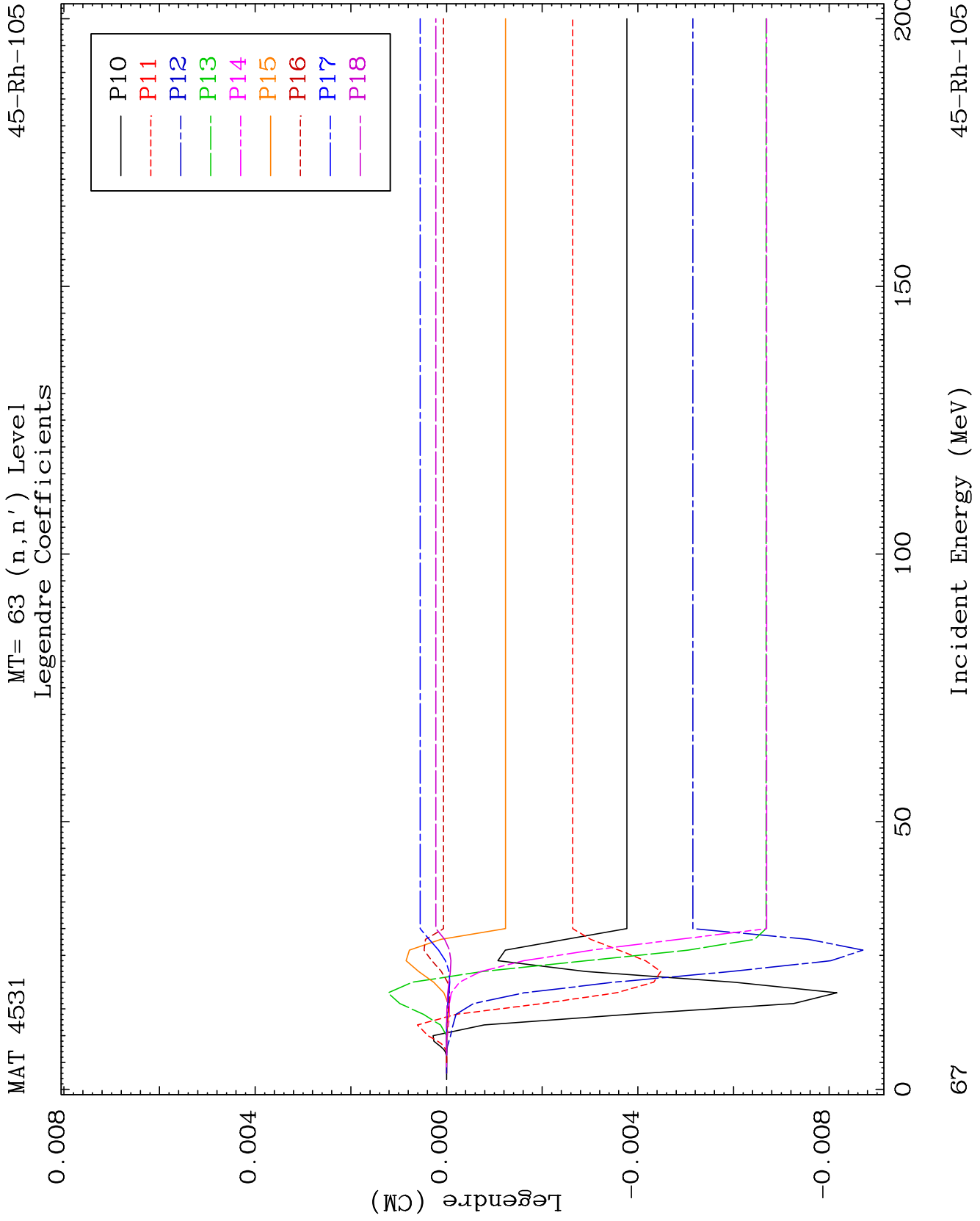
45-Rh-105



66

Incident Energy (MeV)

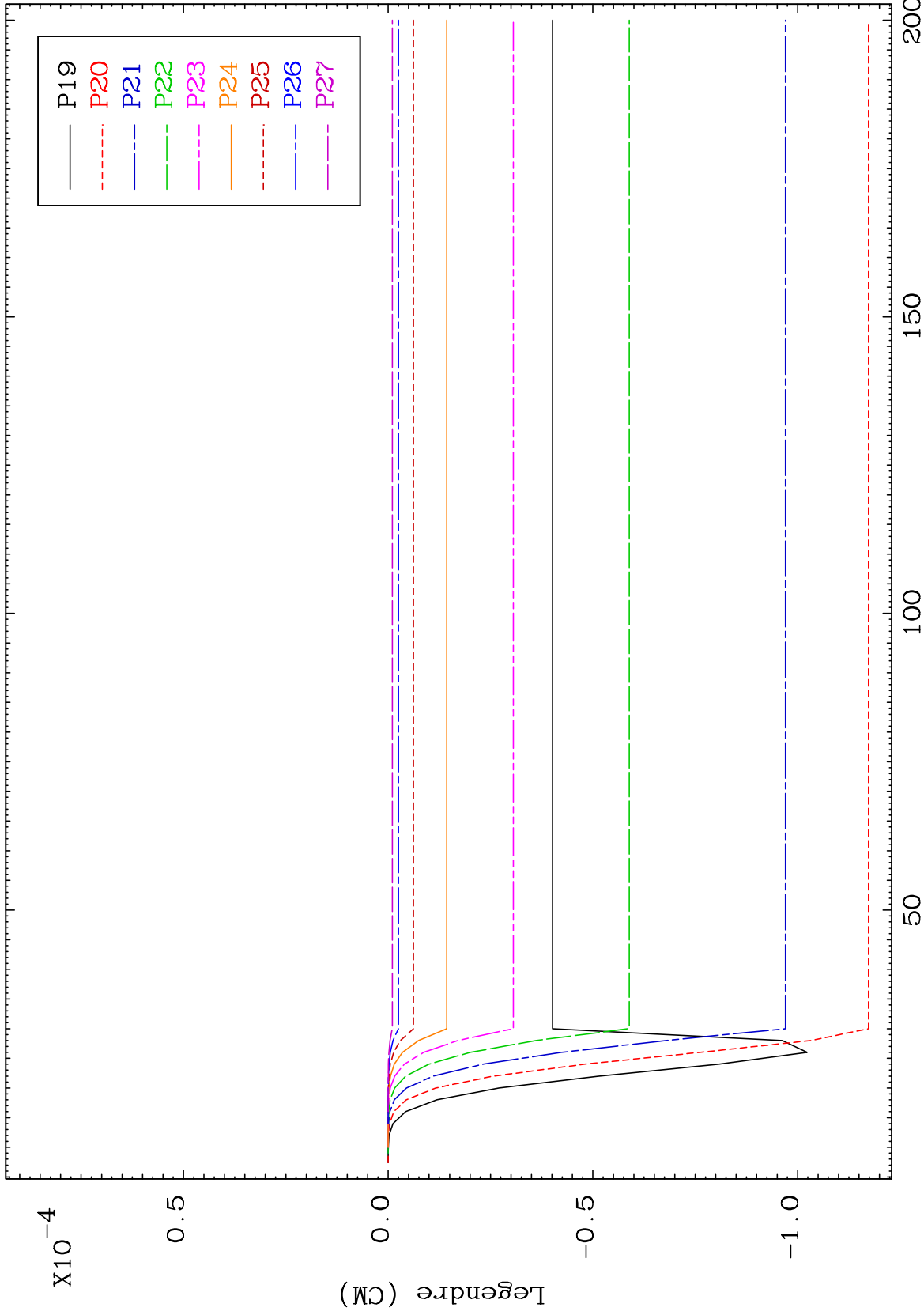
45-Rh-105



MAT 4531

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

45-Rh-105



68

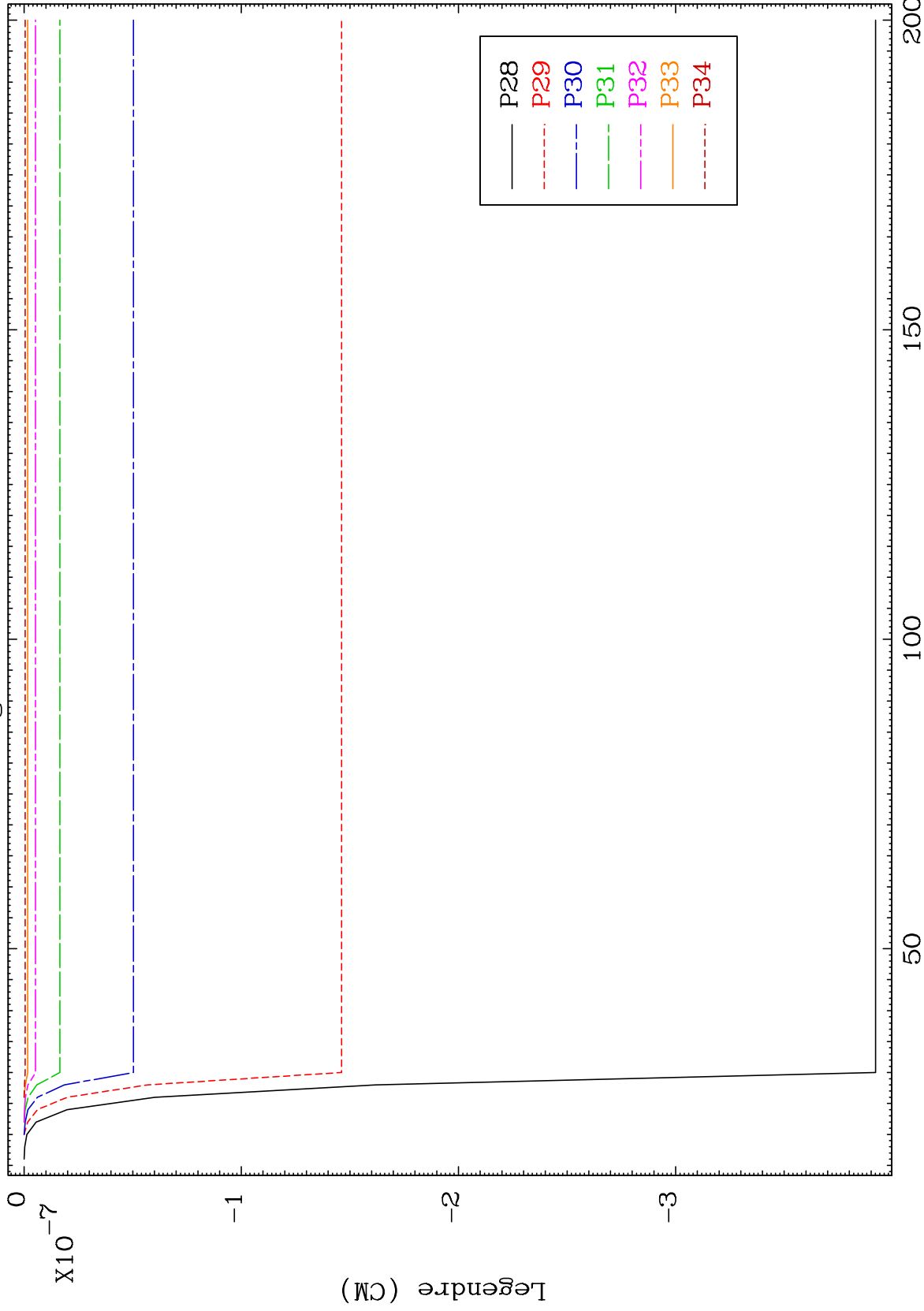
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



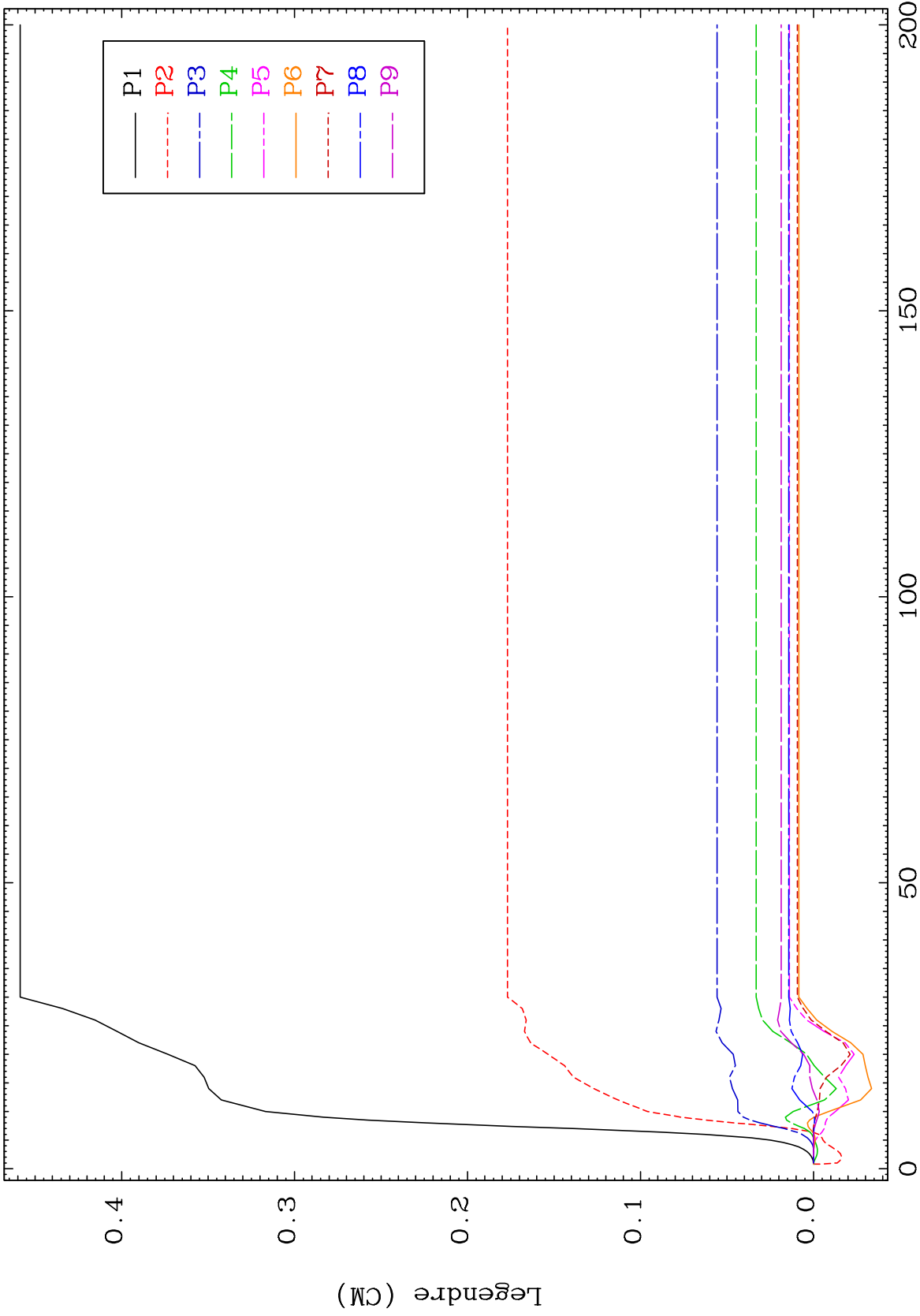
69

45-Rh-105

MAT 4531

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

45-Rh-105



0

0.0

0.1

0.2

0.3

0.4

70

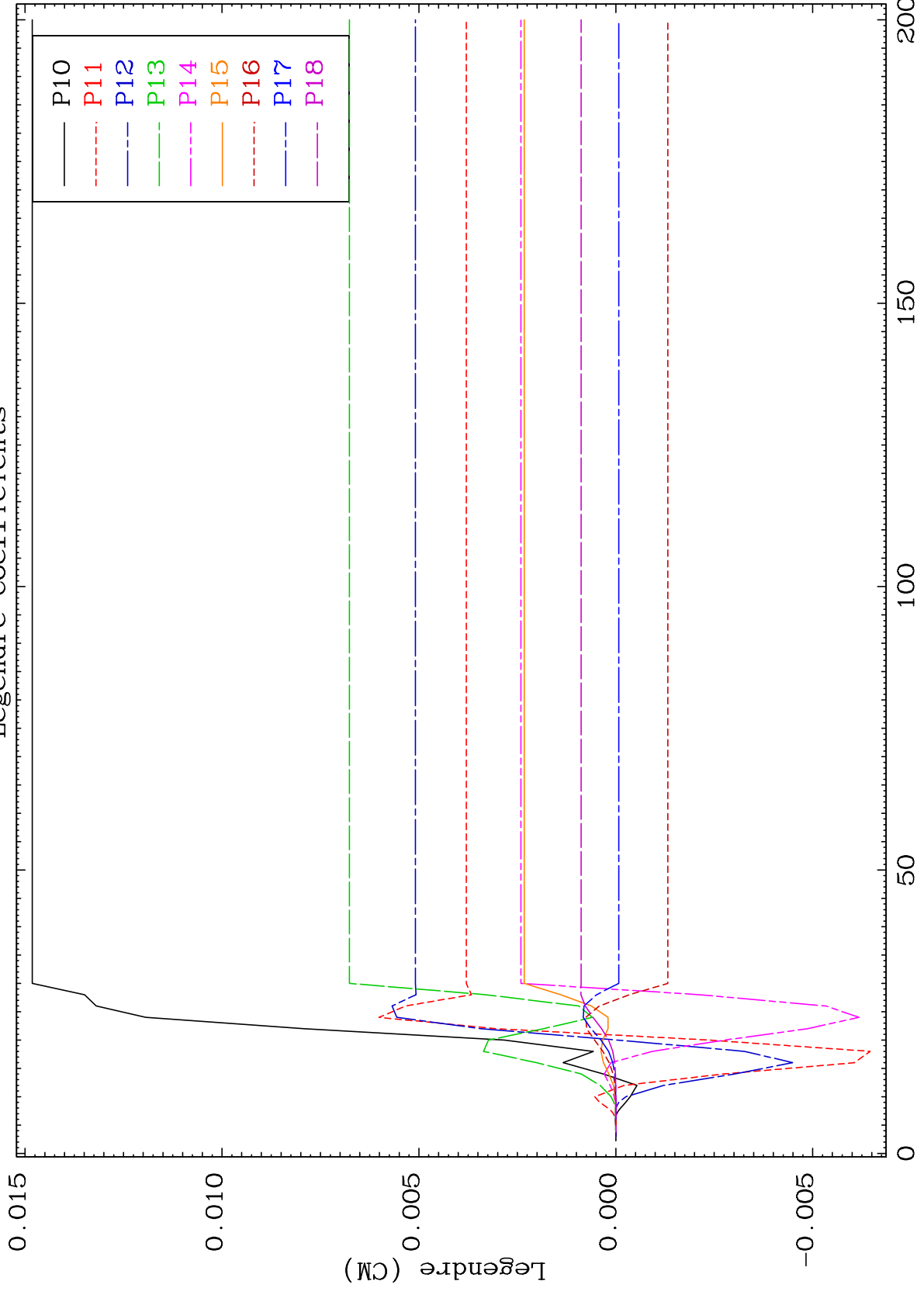
100

150

200

45-Rh-105

MAT 4531 MT= 64 (n,n') Level Legendre Coefficients 45-Rh-105

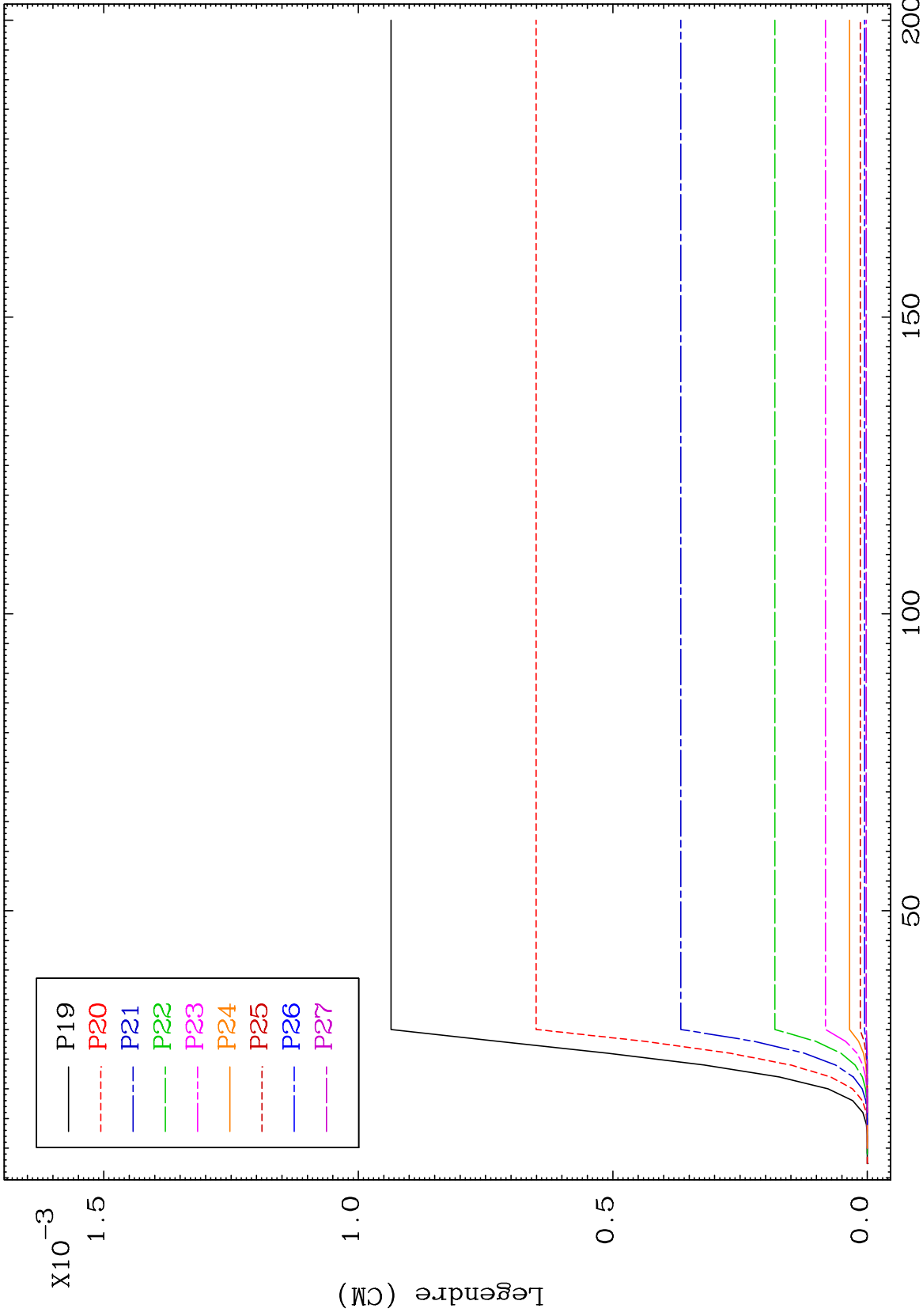


71 45-Rh-105

MAT 4531

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

45-Rh-105



72

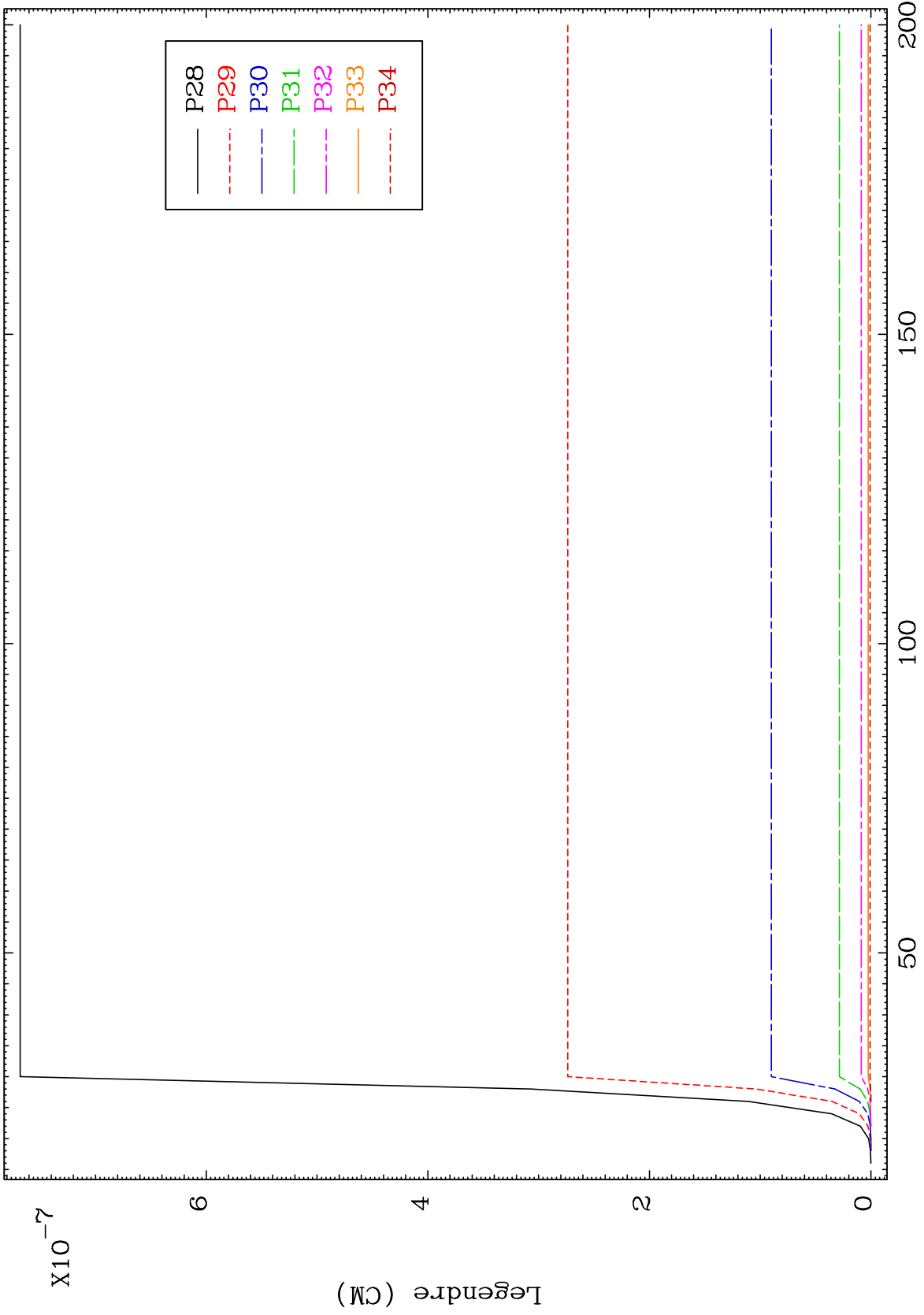
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



73

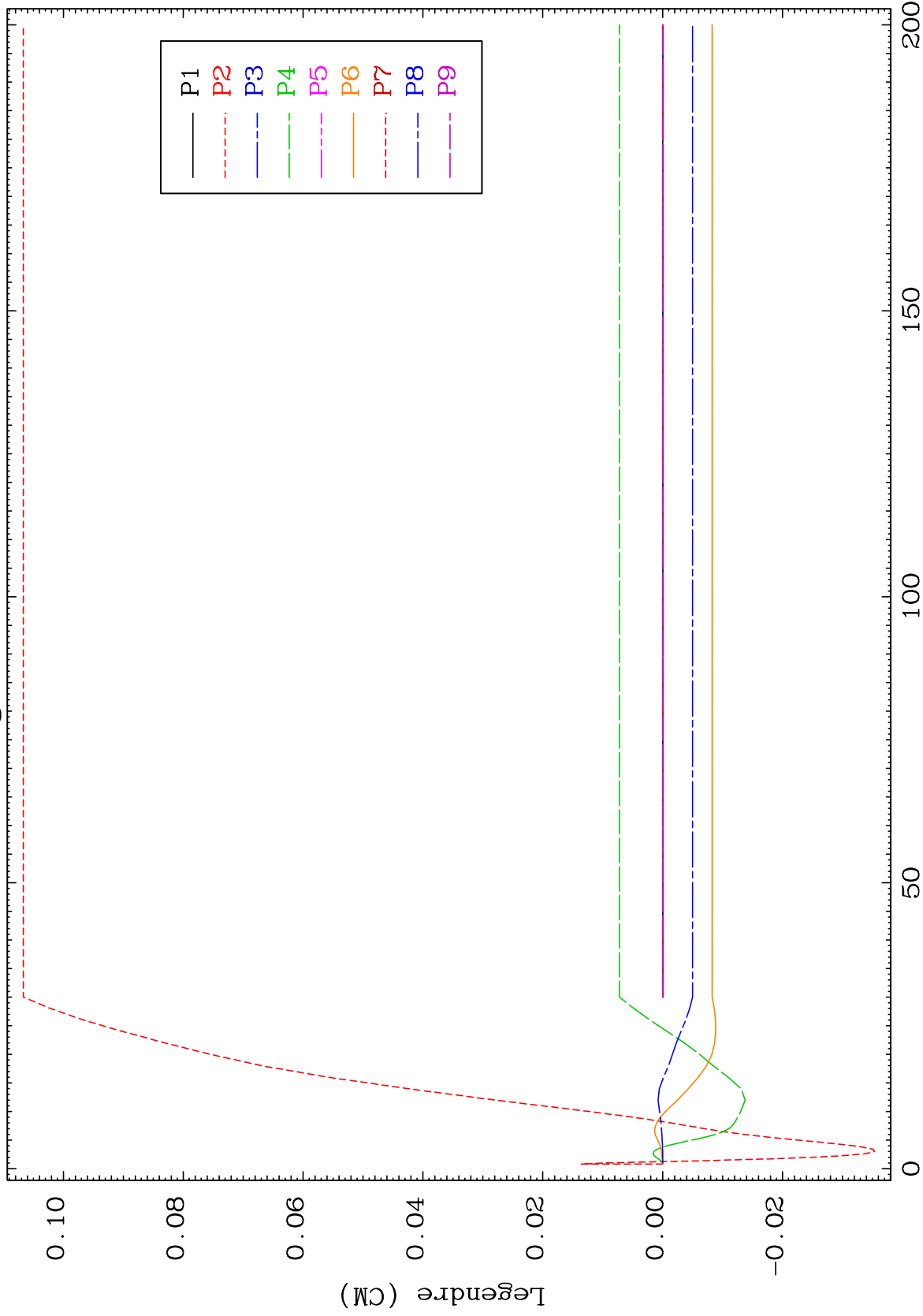
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



74

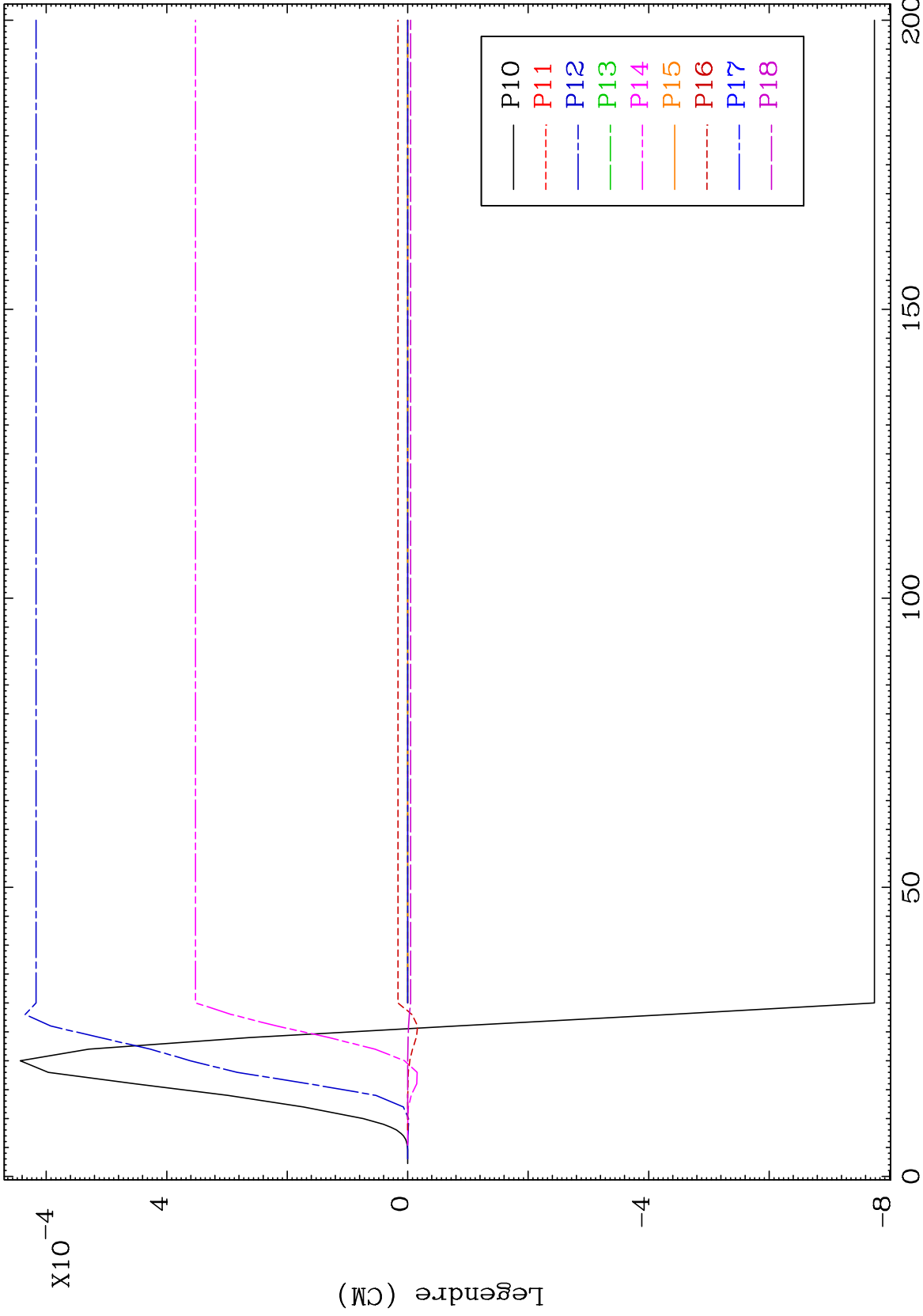
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105

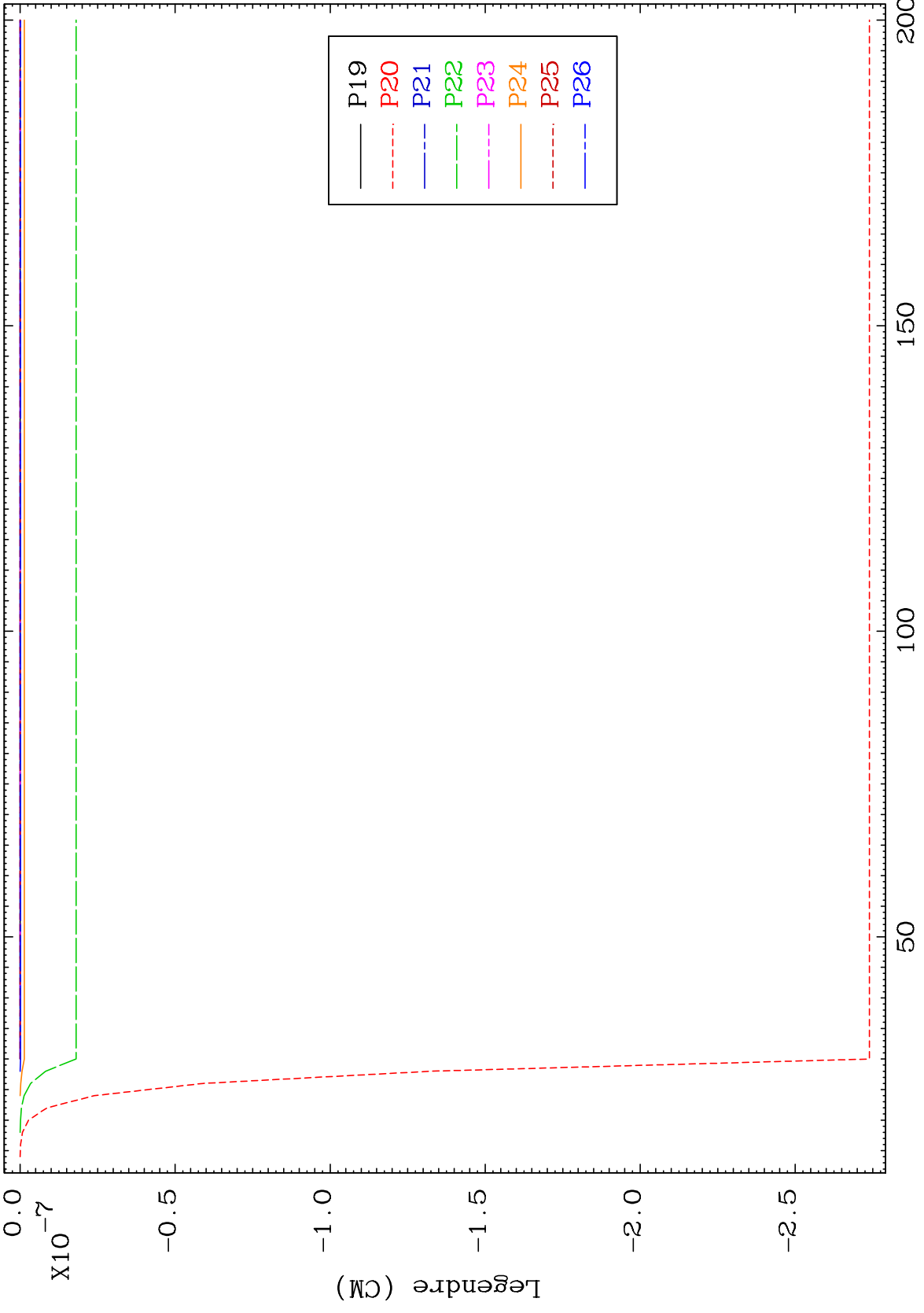


75

Incident Energy (MeV)

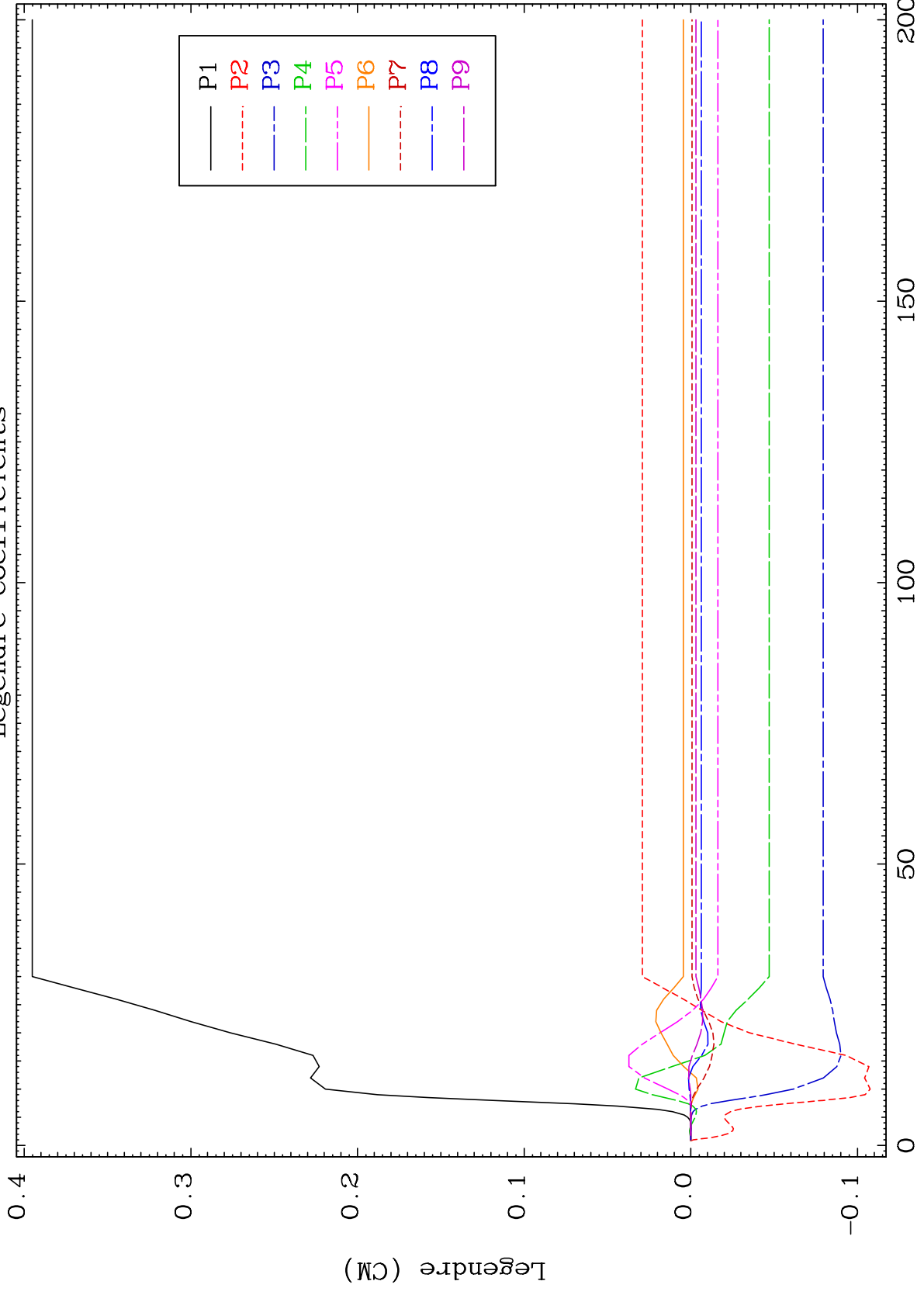
45-Rh-105

MAT 4531 MT= 65 (n,n') Level Legendre Coefficients 45-Rh-105



76 Incident Energy (MeV) 45-Rh-105

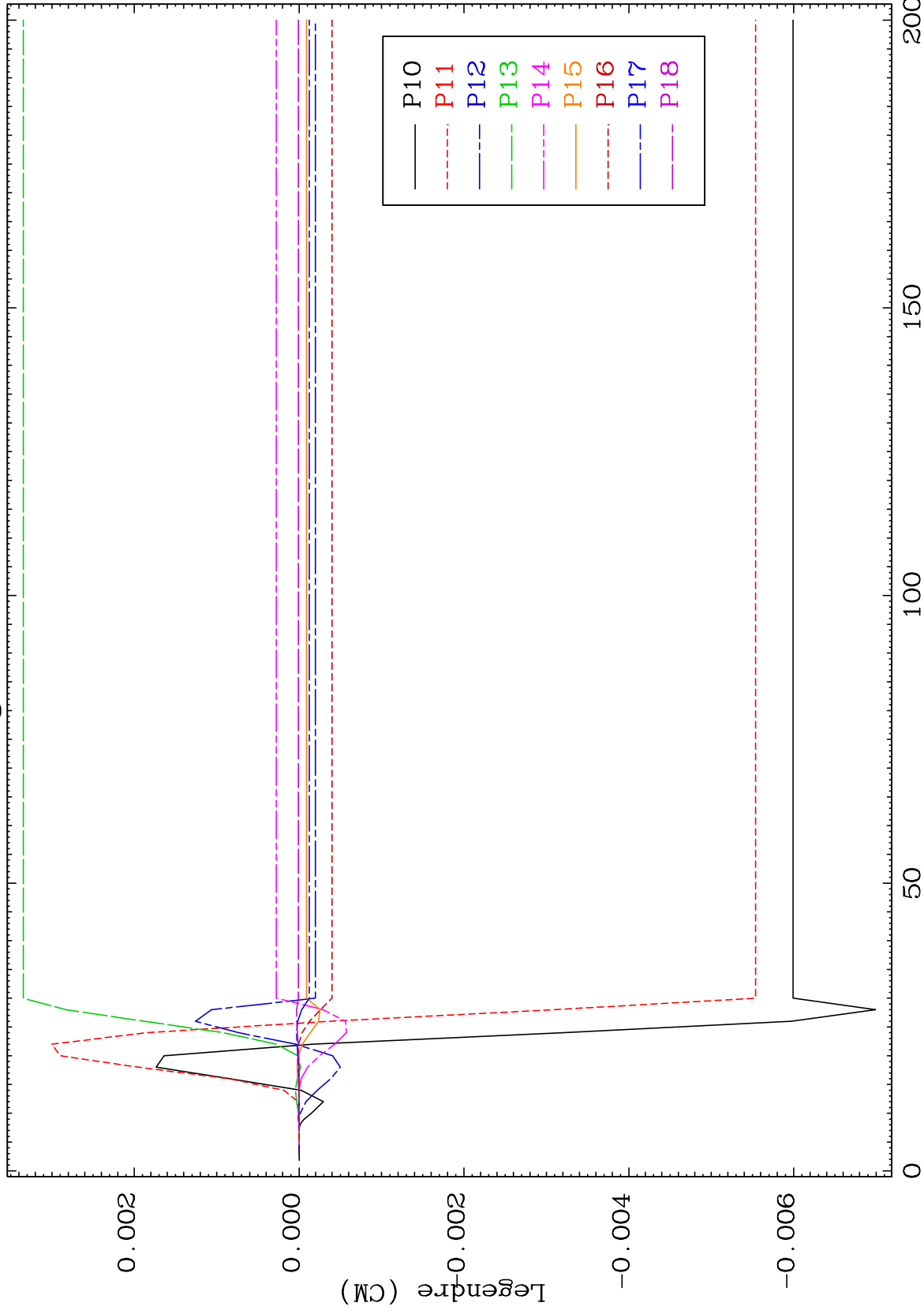
MAT 4531 MT= 66 (n,n') Level Legendre Coefficients 45-Rh-105



MAT 4531

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

45-Rh-105



78

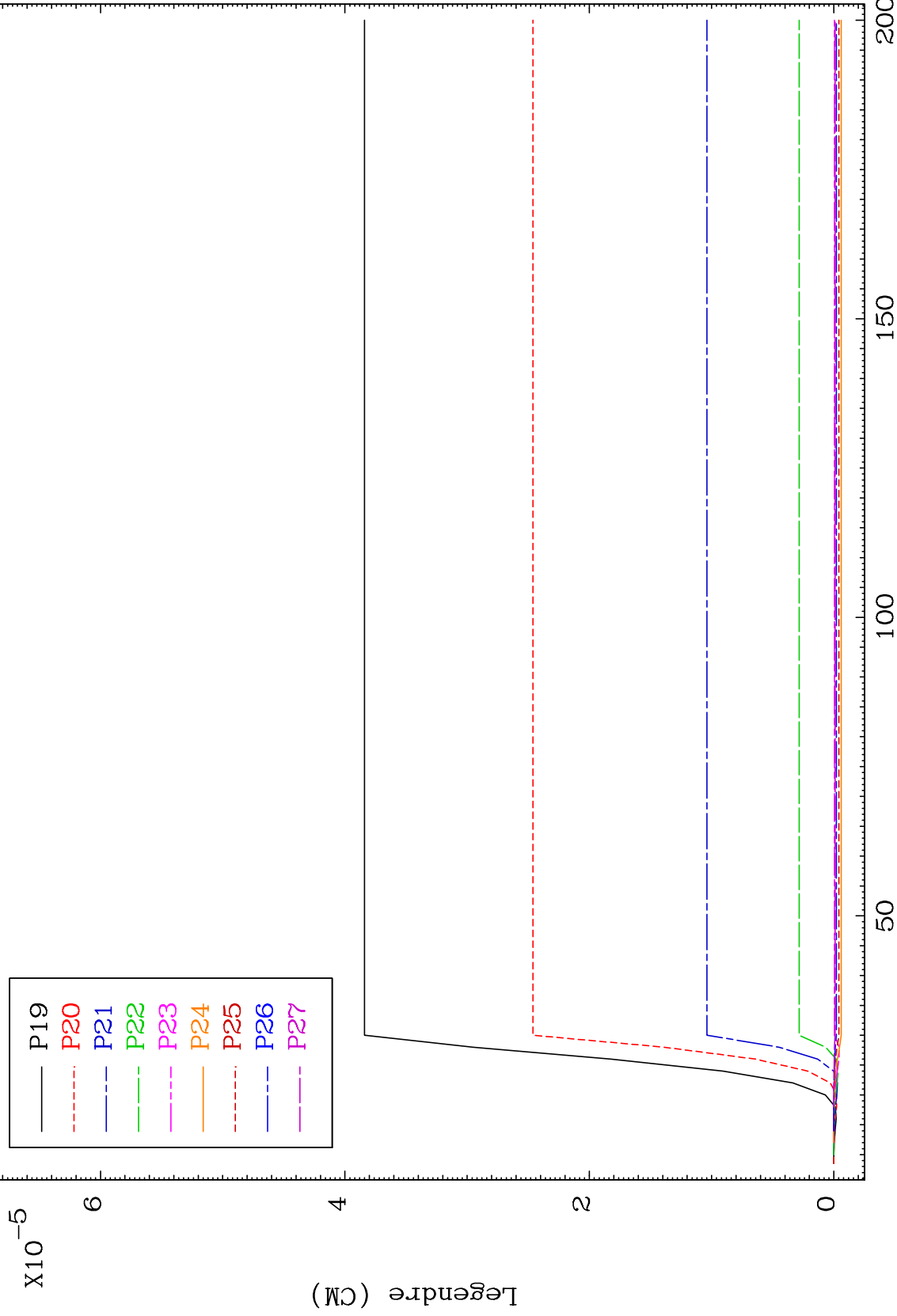
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



79

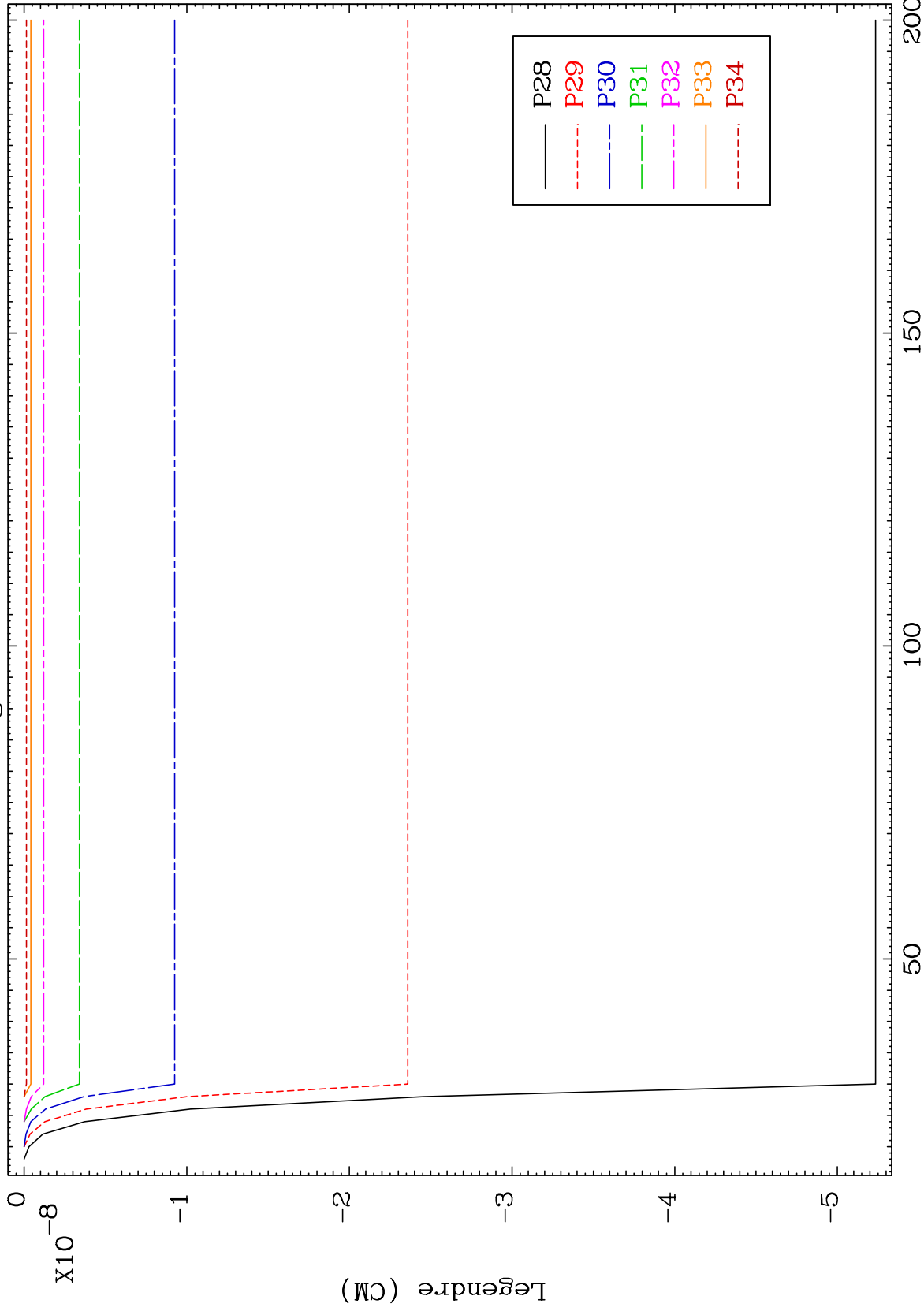
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



80

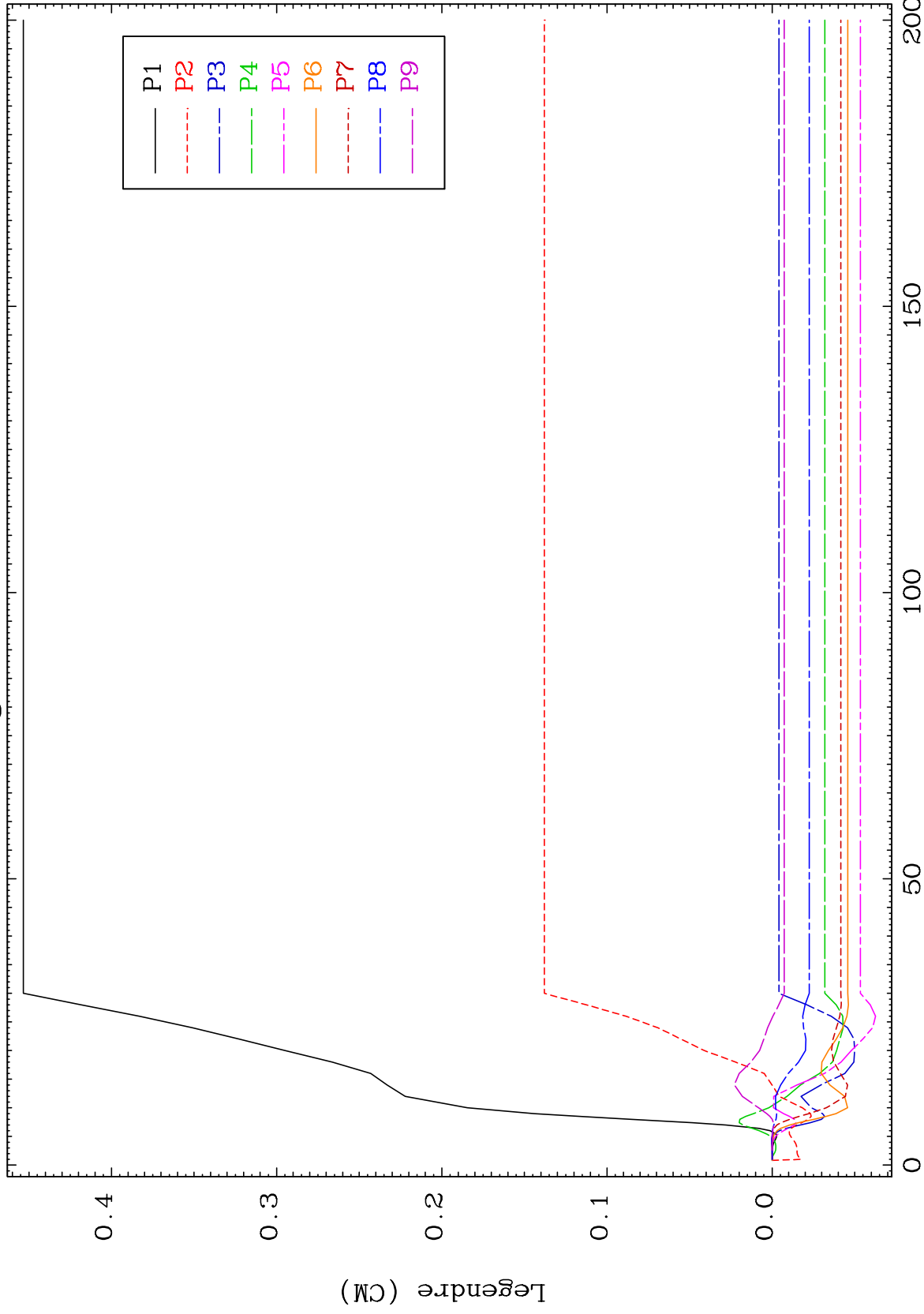
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



81

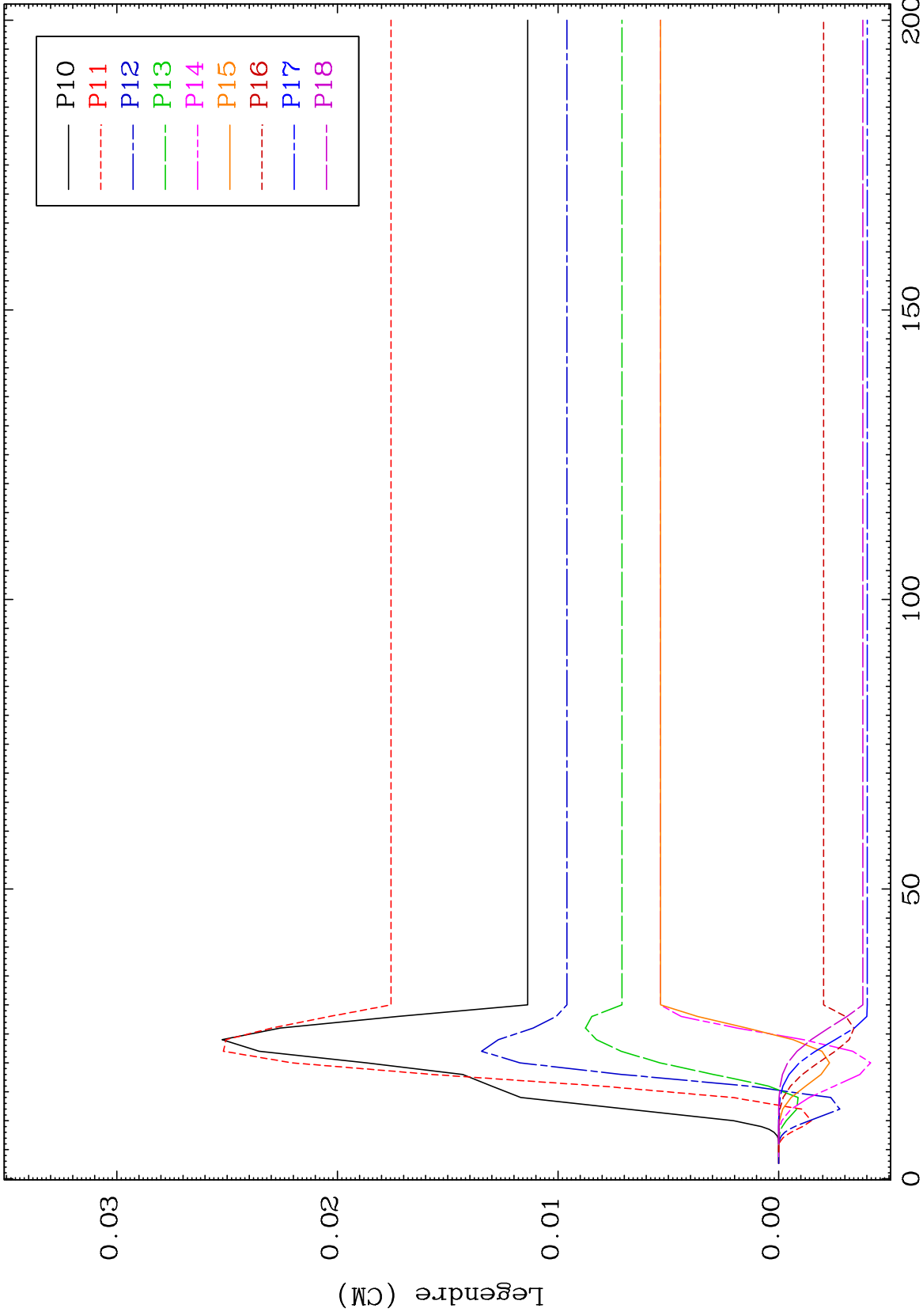
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



82

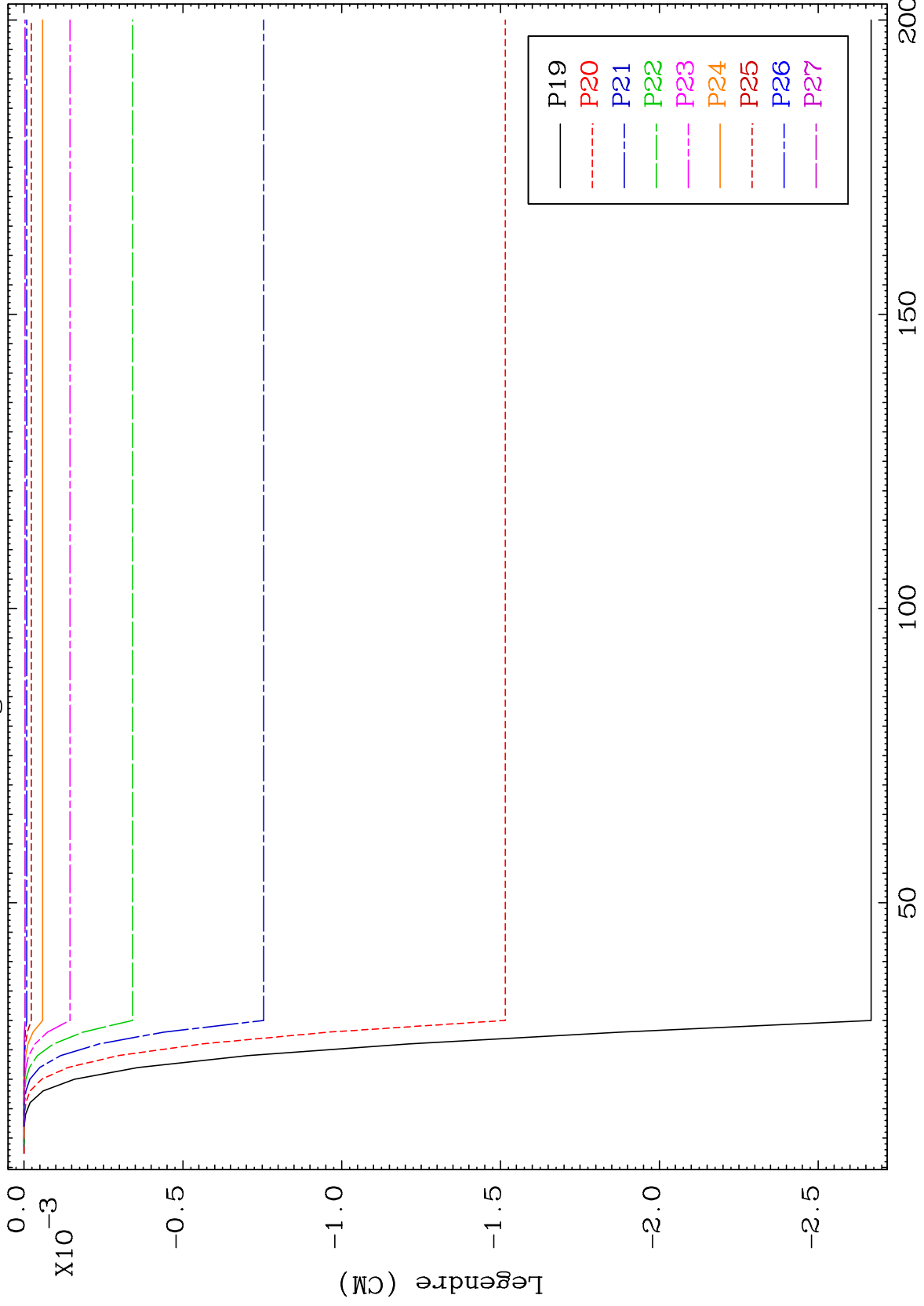
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



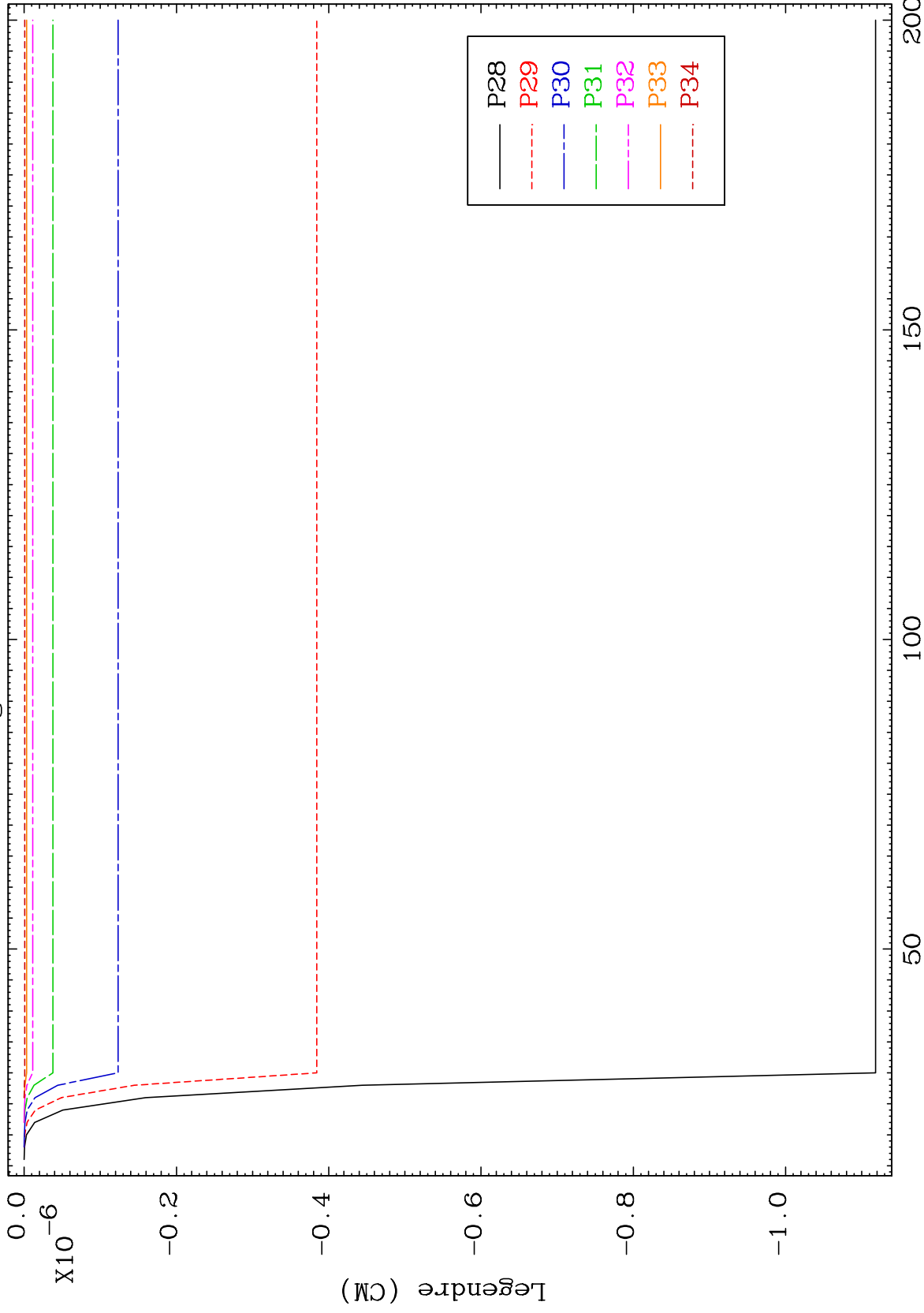
83

45-Rh-105

MAT 4531

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

45-Rh-105



84

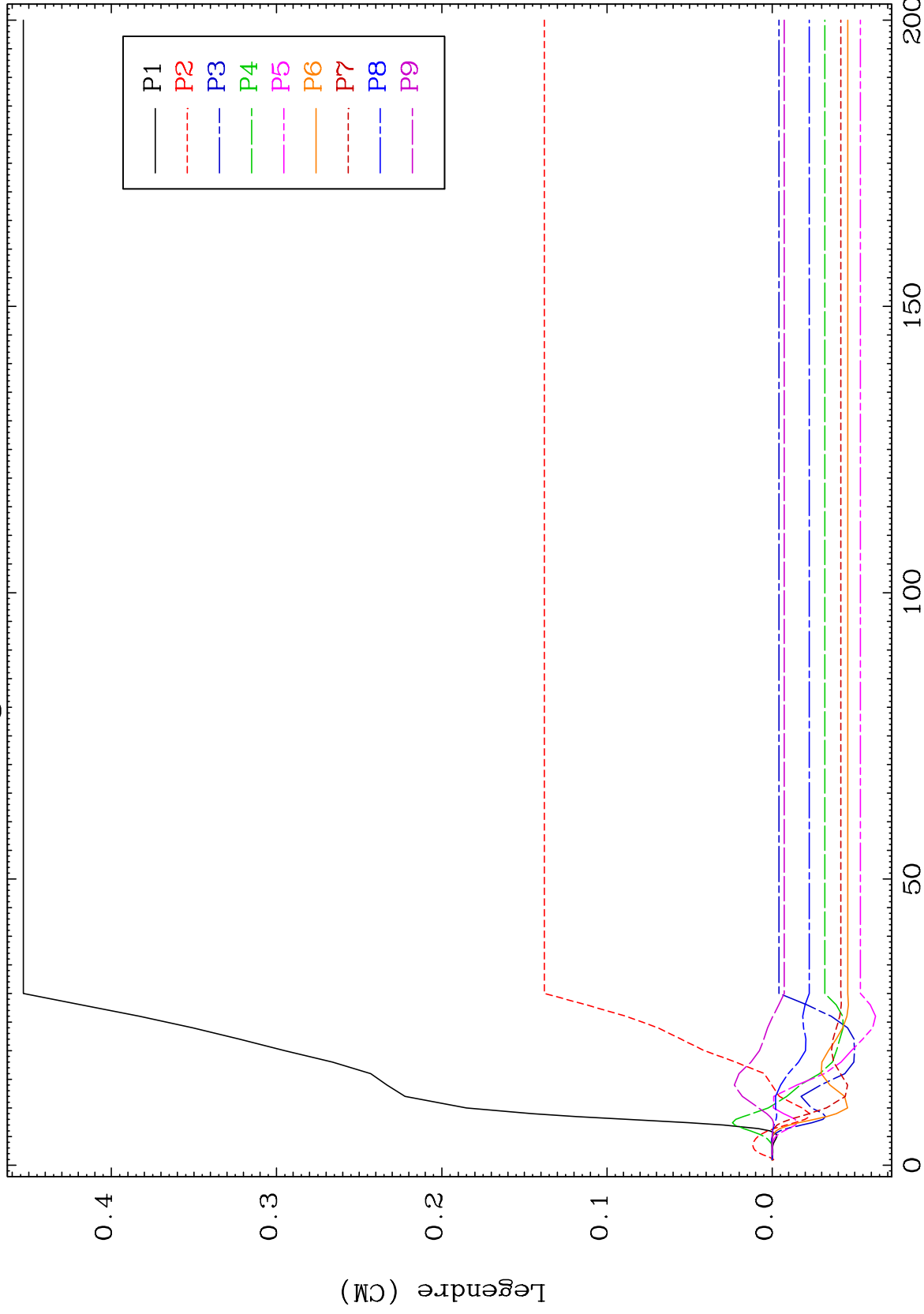
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



85

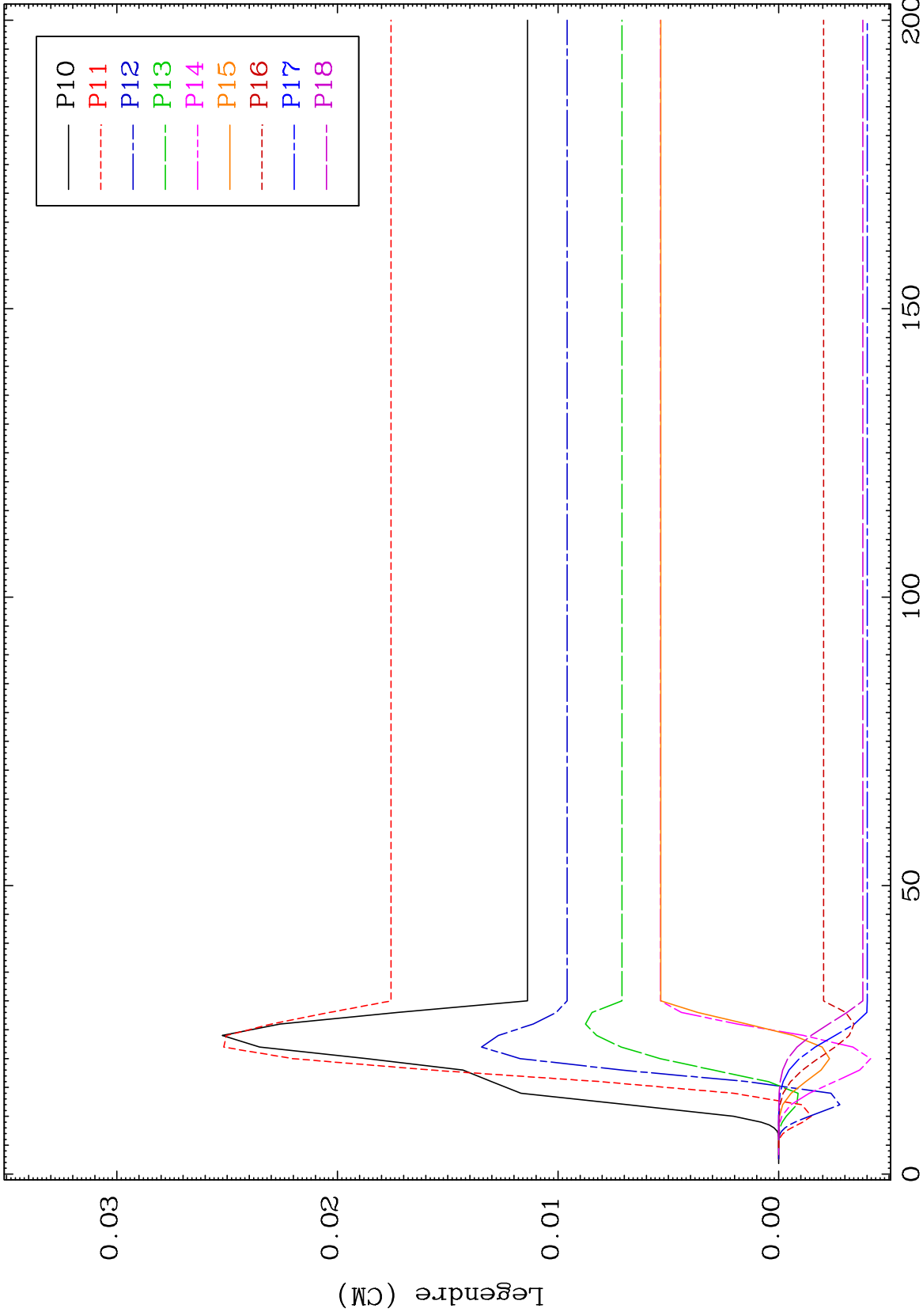
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



86

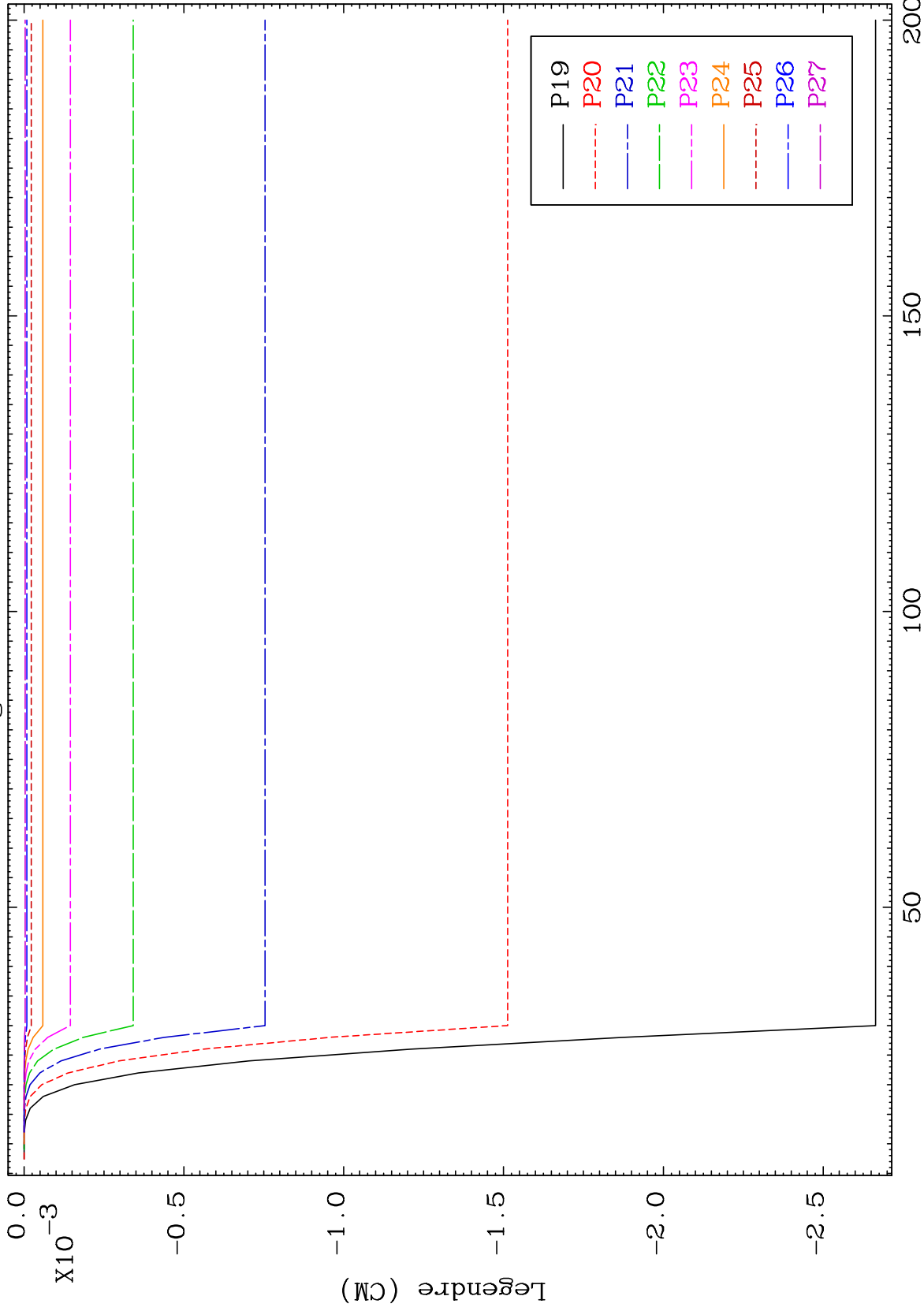
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



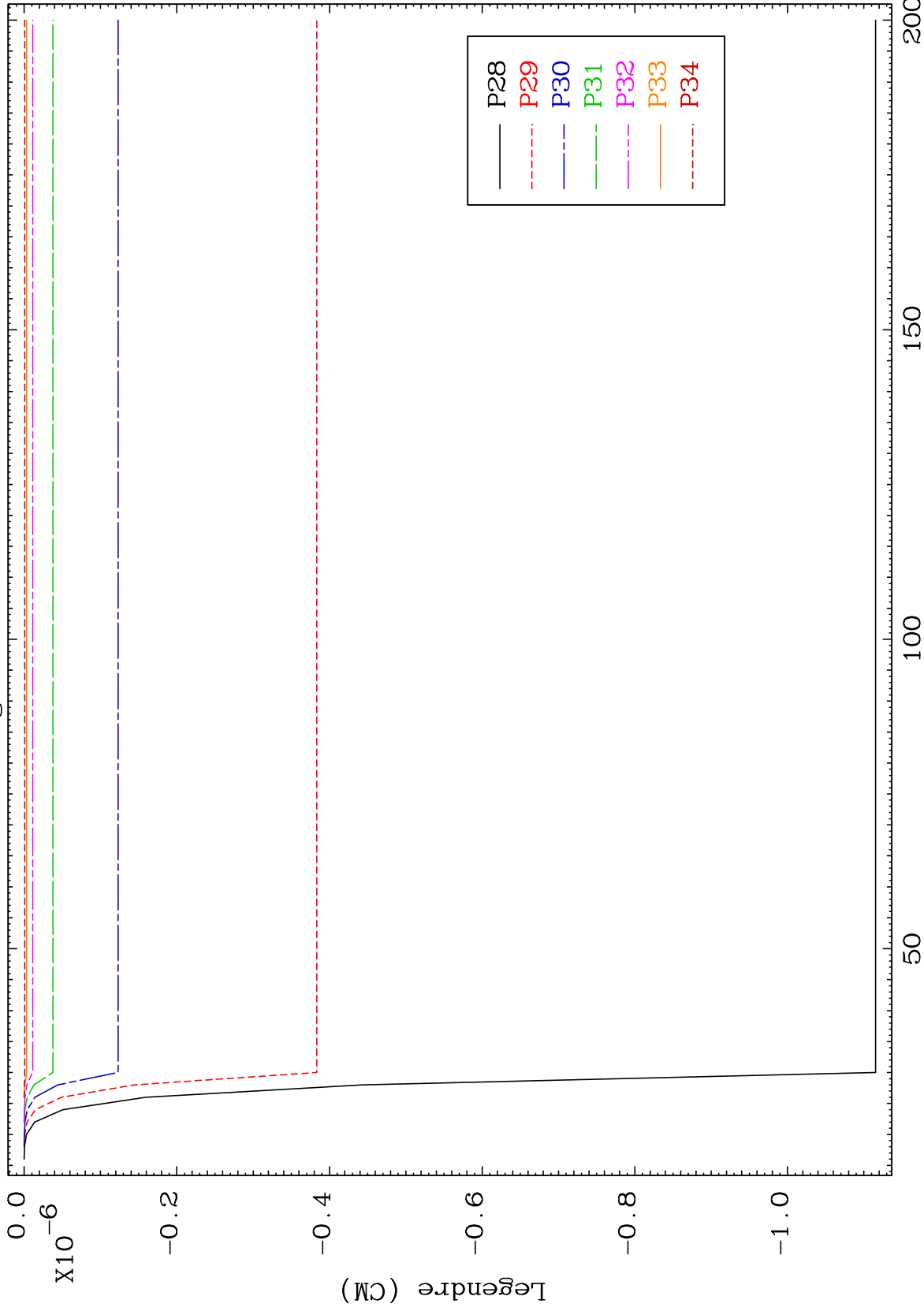
87

45-Rh-105

MAT 4531

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

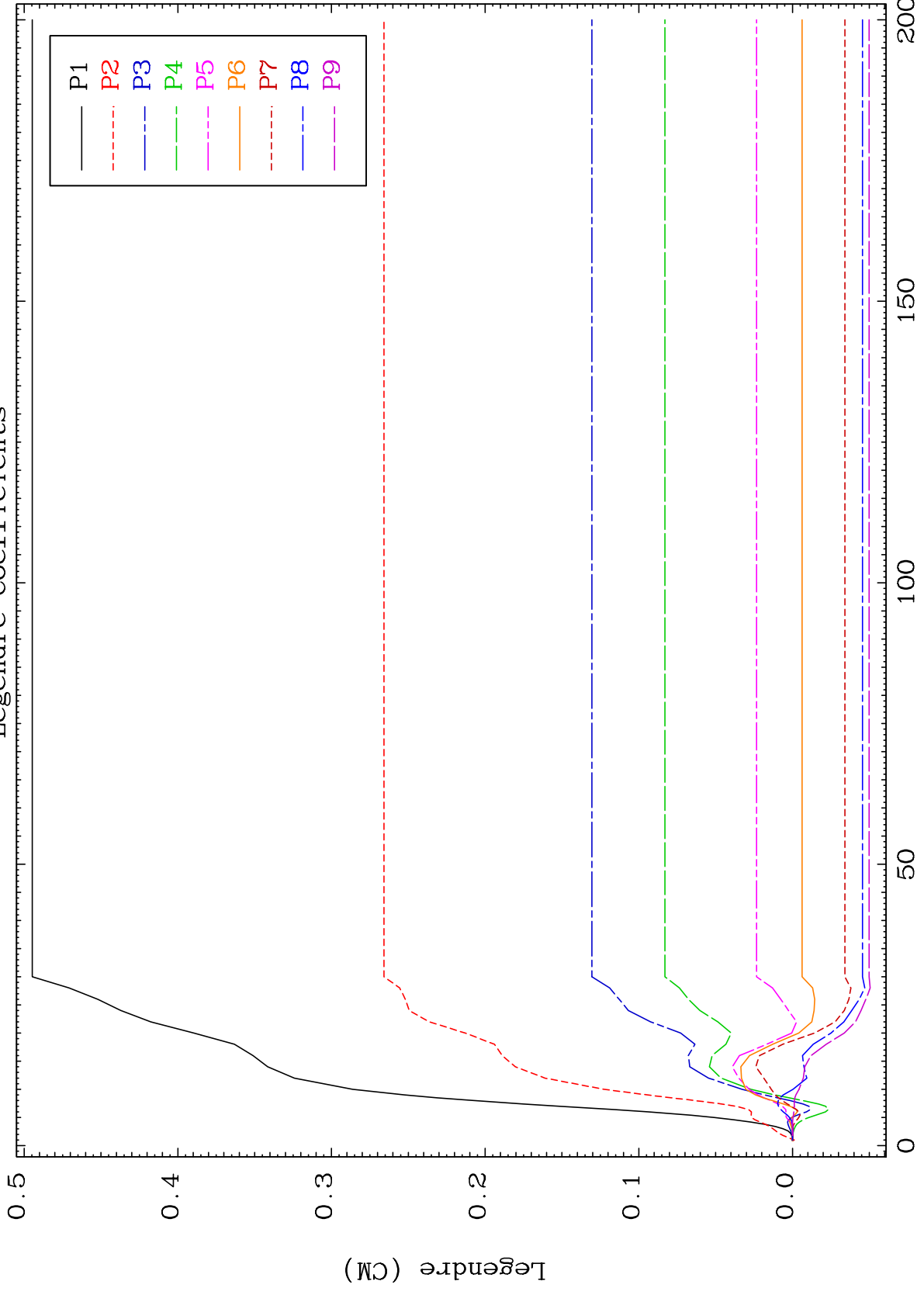
45-Rh-105



88

45-Rh-105

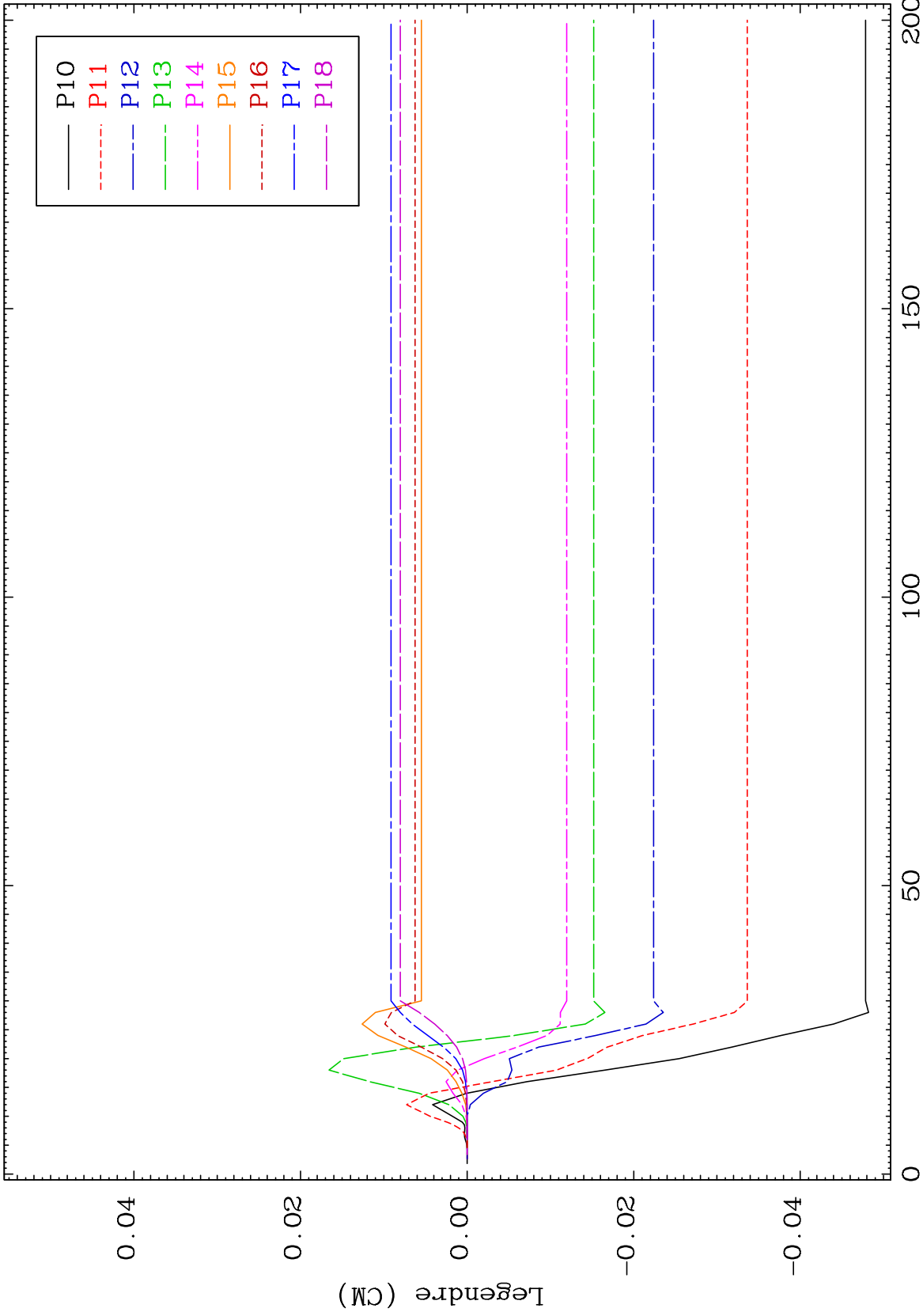
MAT 4531 MT= 69 (n,n') Level Legendre Coefficients 45-Rh-105



MAT 4531

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

45-Rh-105



0

50

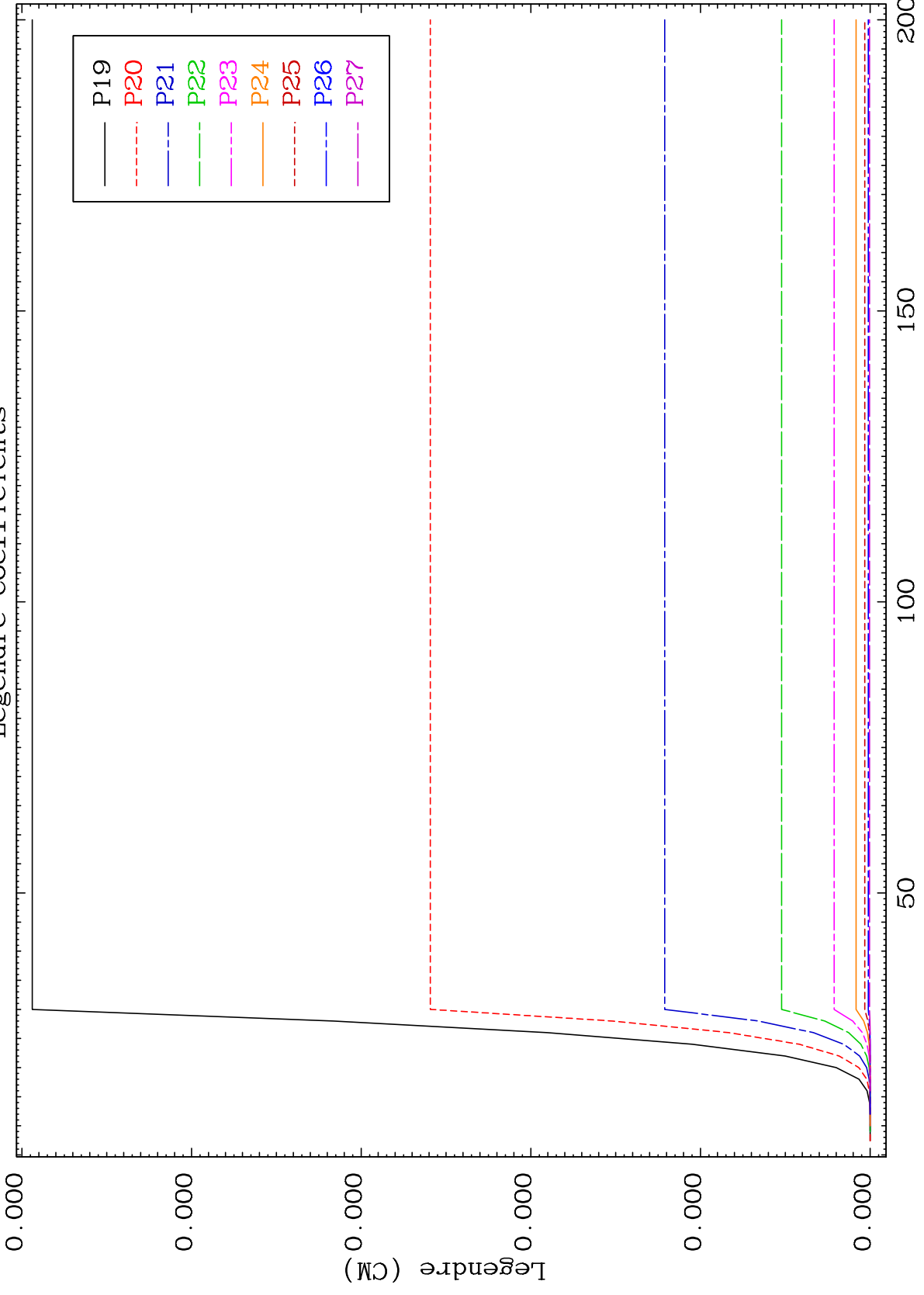
100

150

200

45-Rh-105

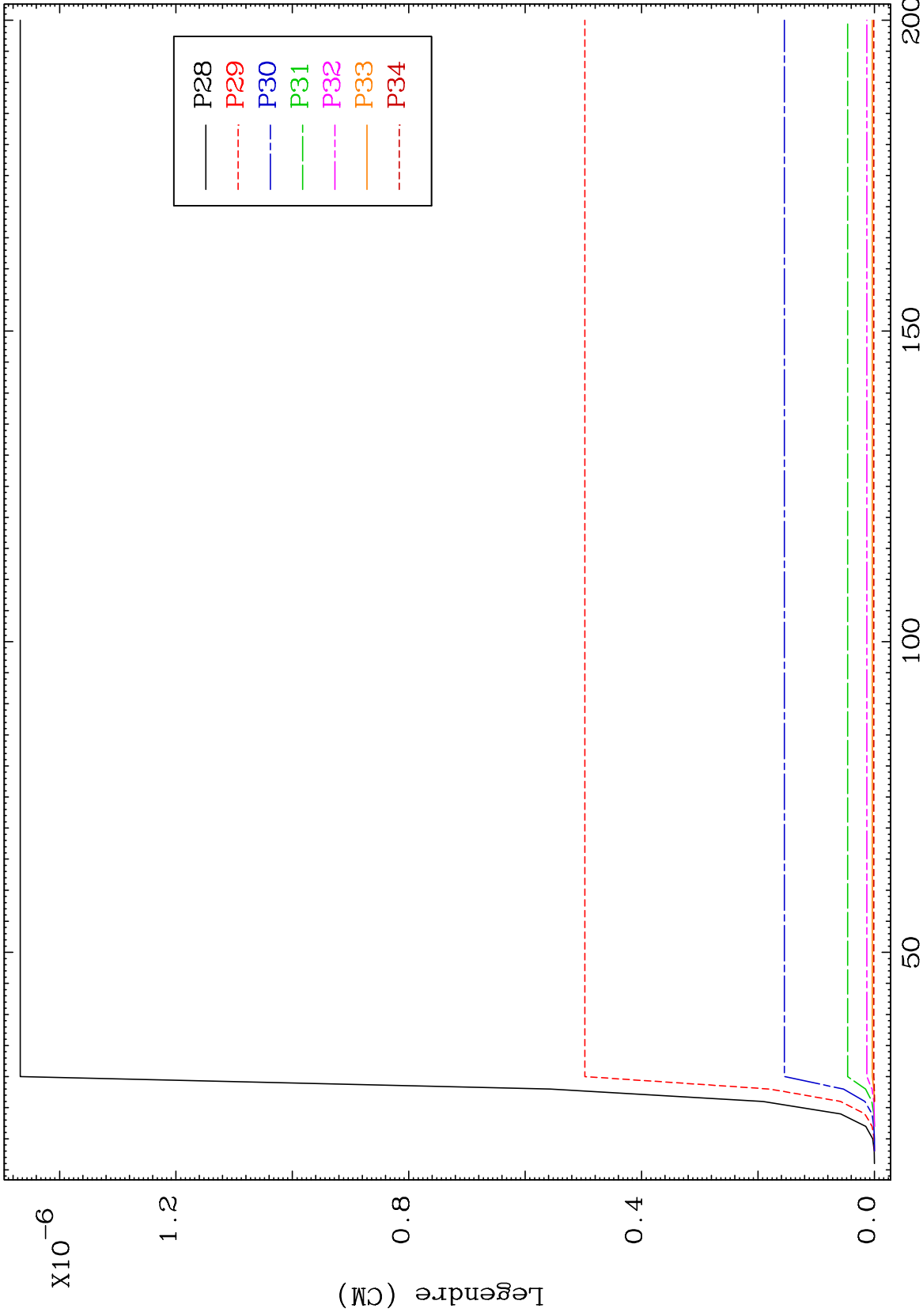
MAT 4531 MT= 69 (n,n') Level Legendre Coefficients 45-Rh-105



MAT 4531

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

45-Rh-105



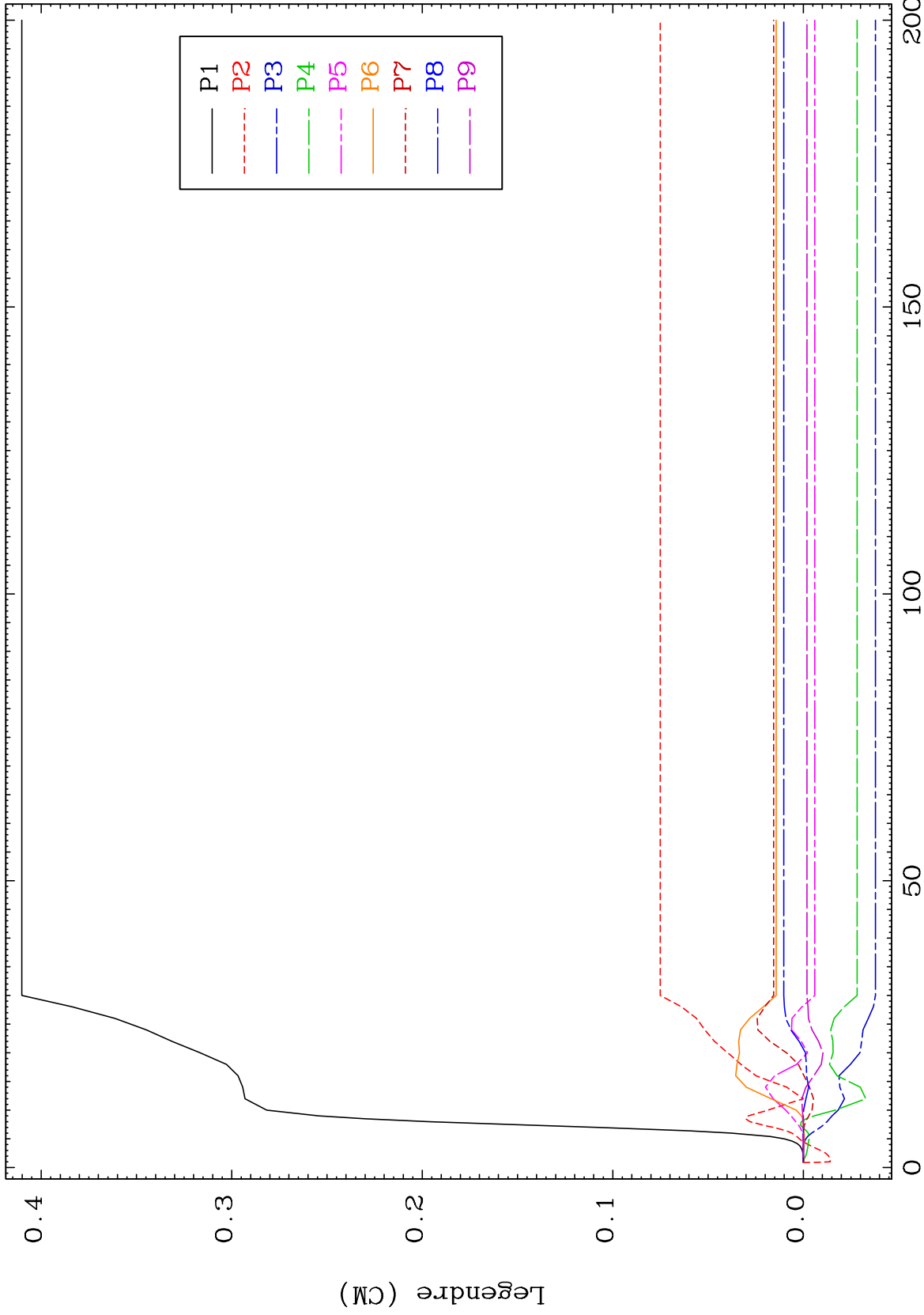
92

45-Rh-105

MAT 4531

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

45-Rh-105



93

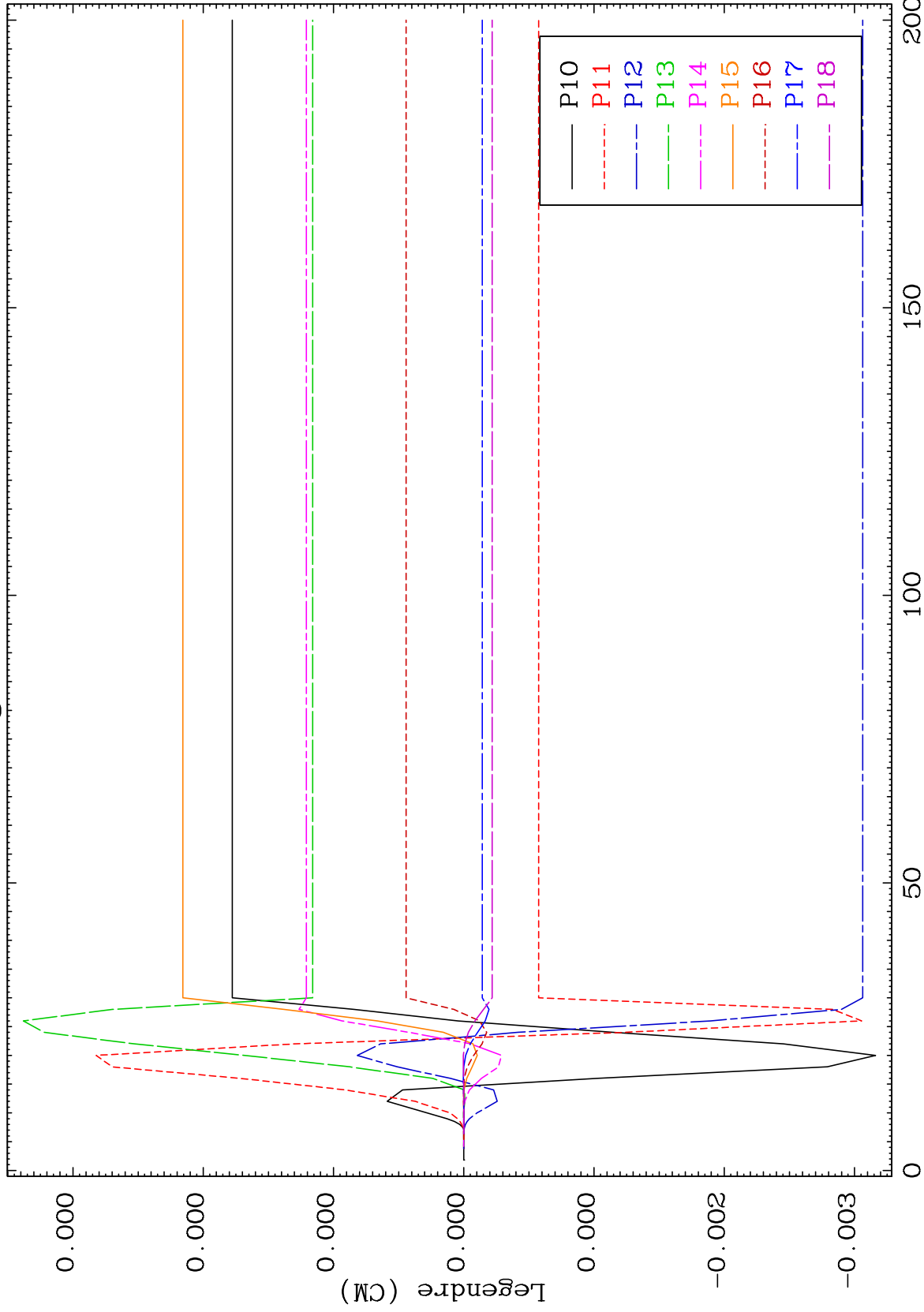
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



94

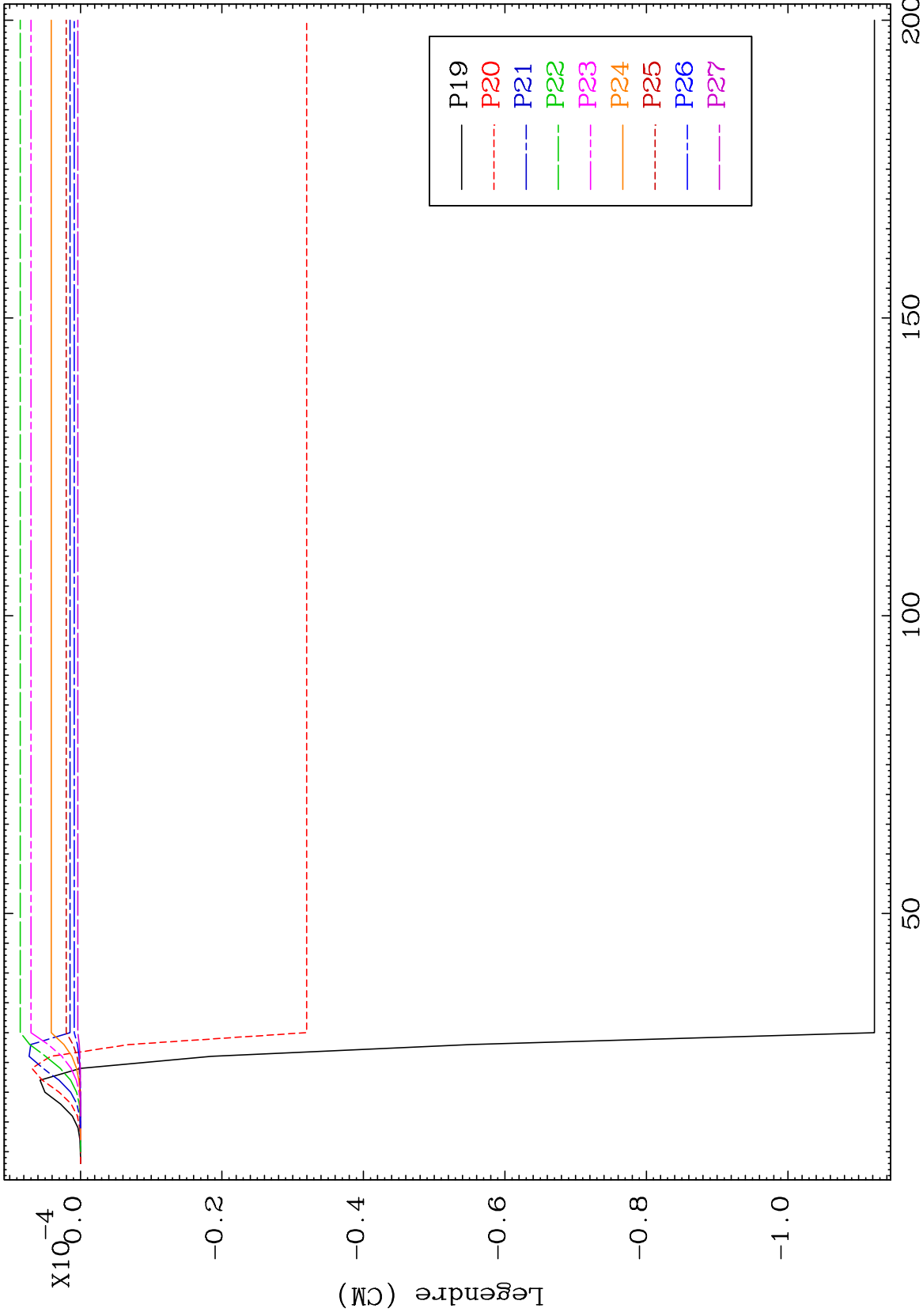
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



95

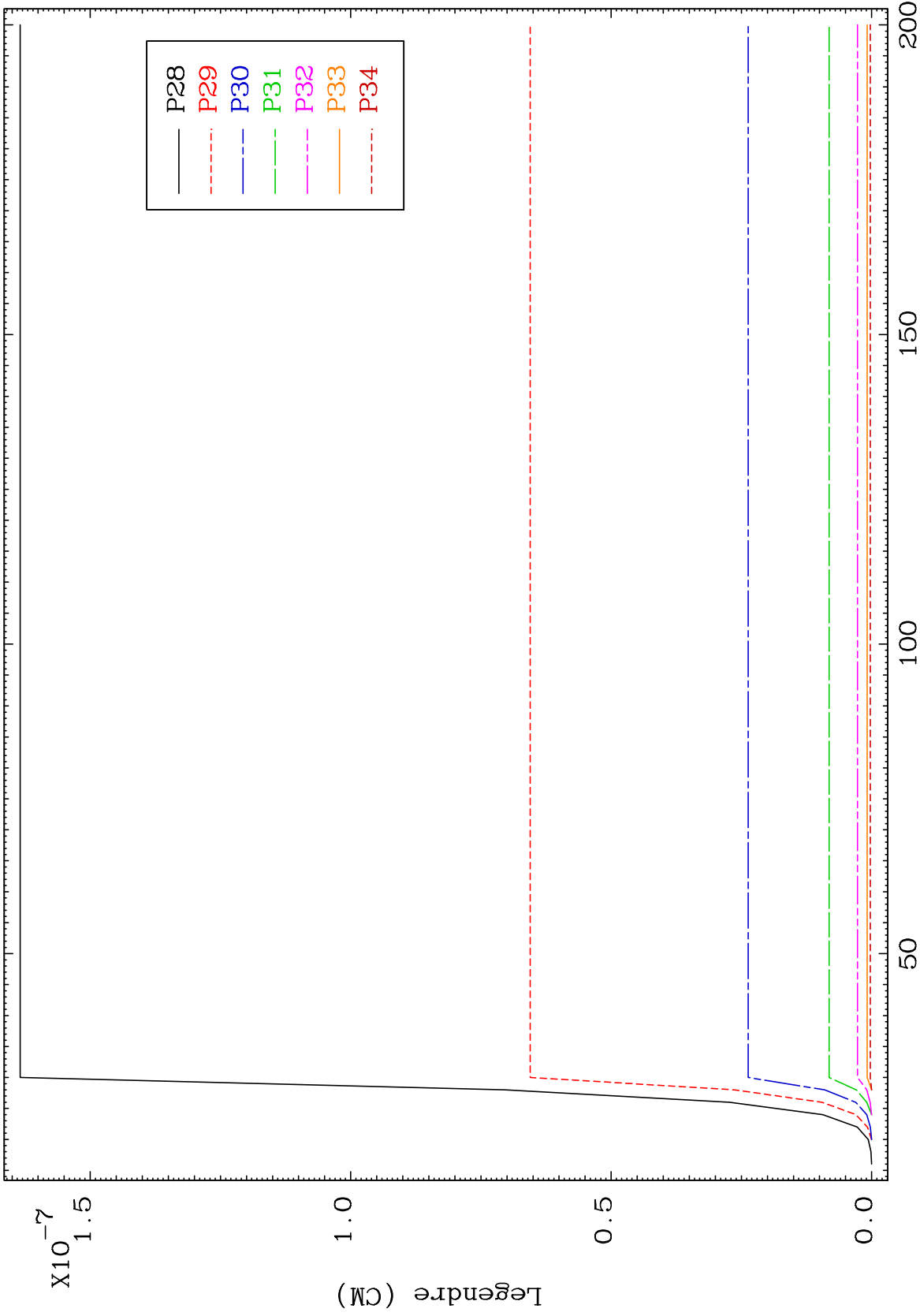
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



96

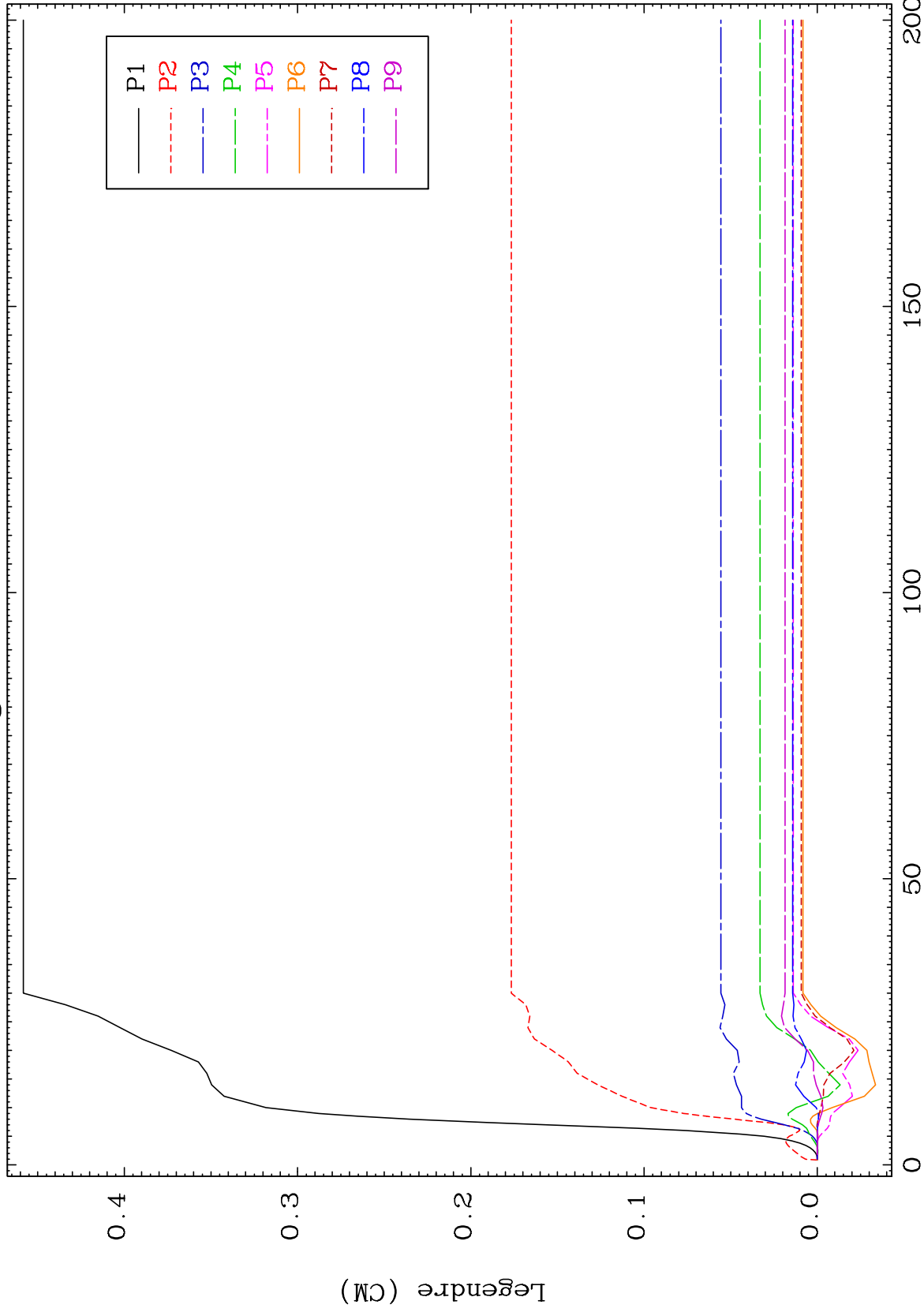
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105

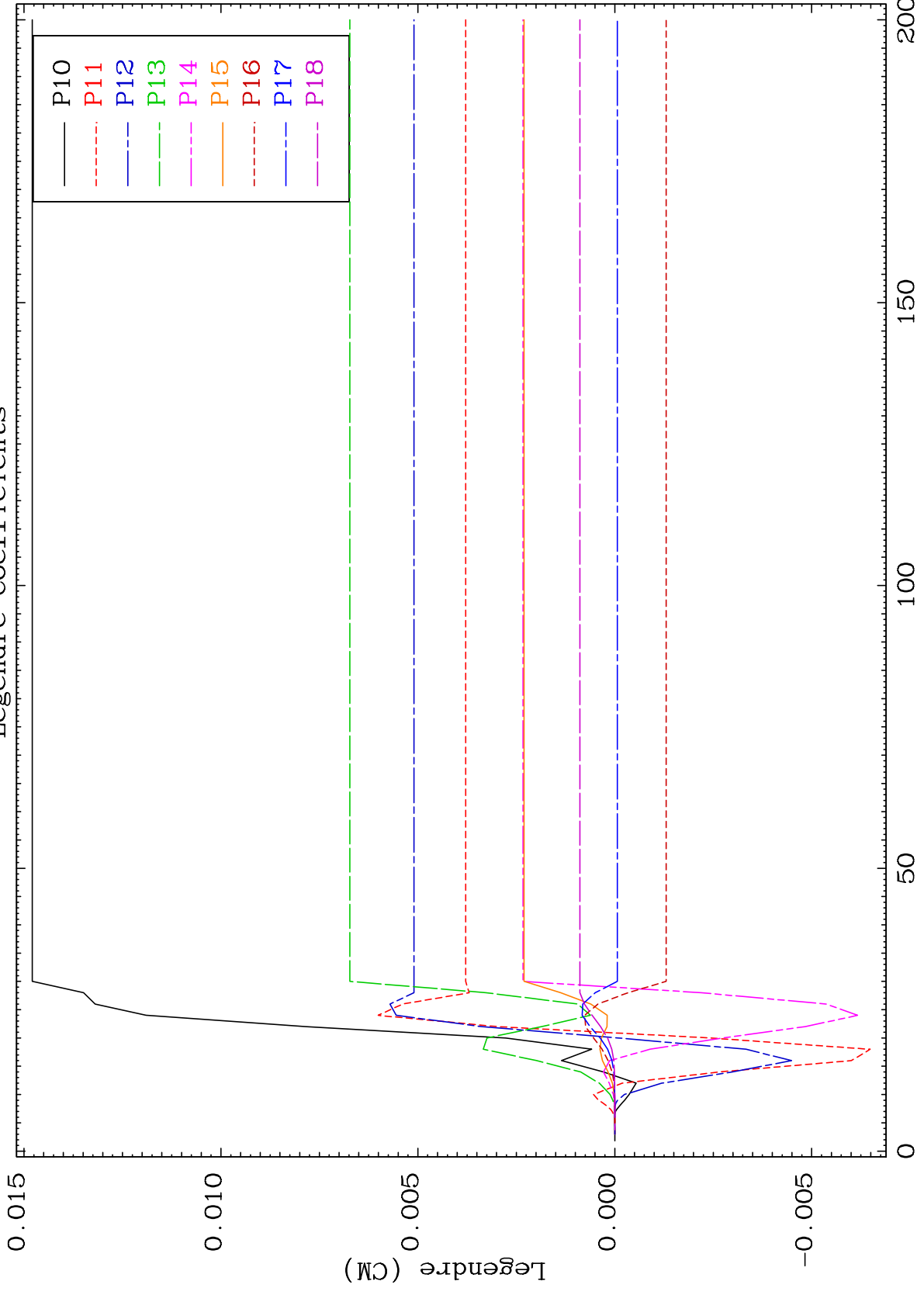


97

Incident Energy (MeV)

45-Rh-105

MAT 4531 MT= 71 (n,n') Level Legendre Coefficients 45-Rh-105

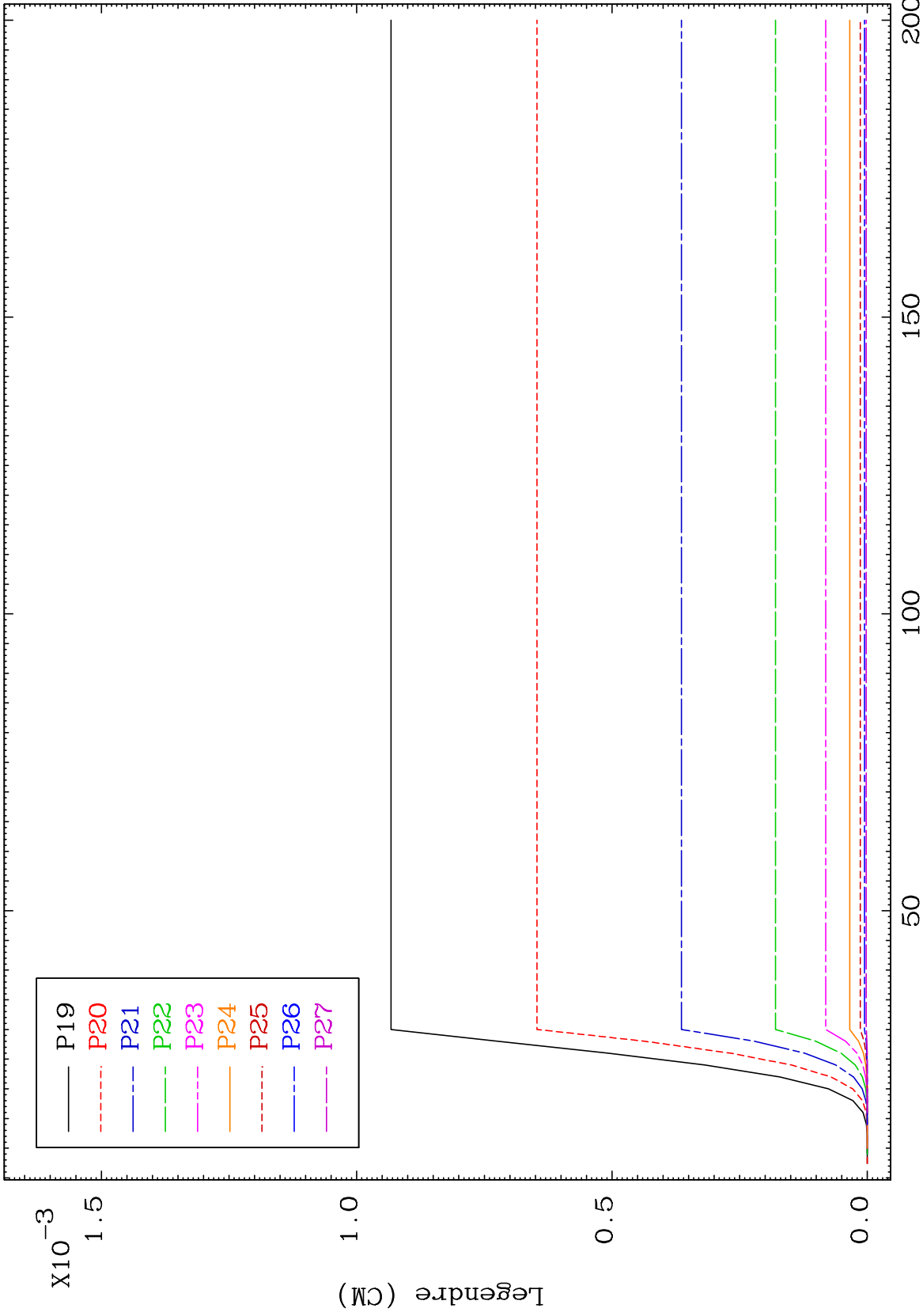


98 45-Rh-105

MAT 4531

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

45-Rh-105



99

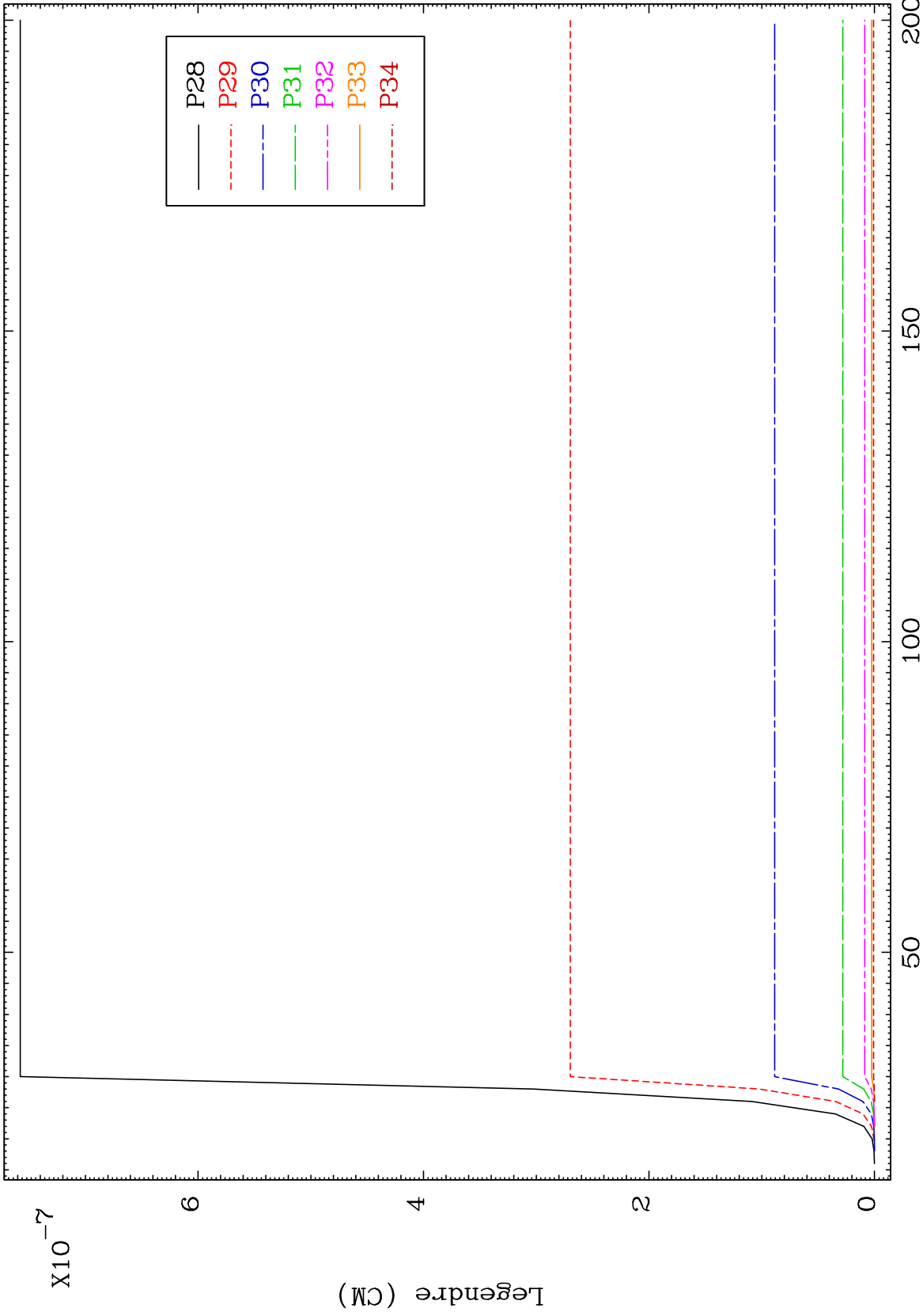
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



100

50

100

150

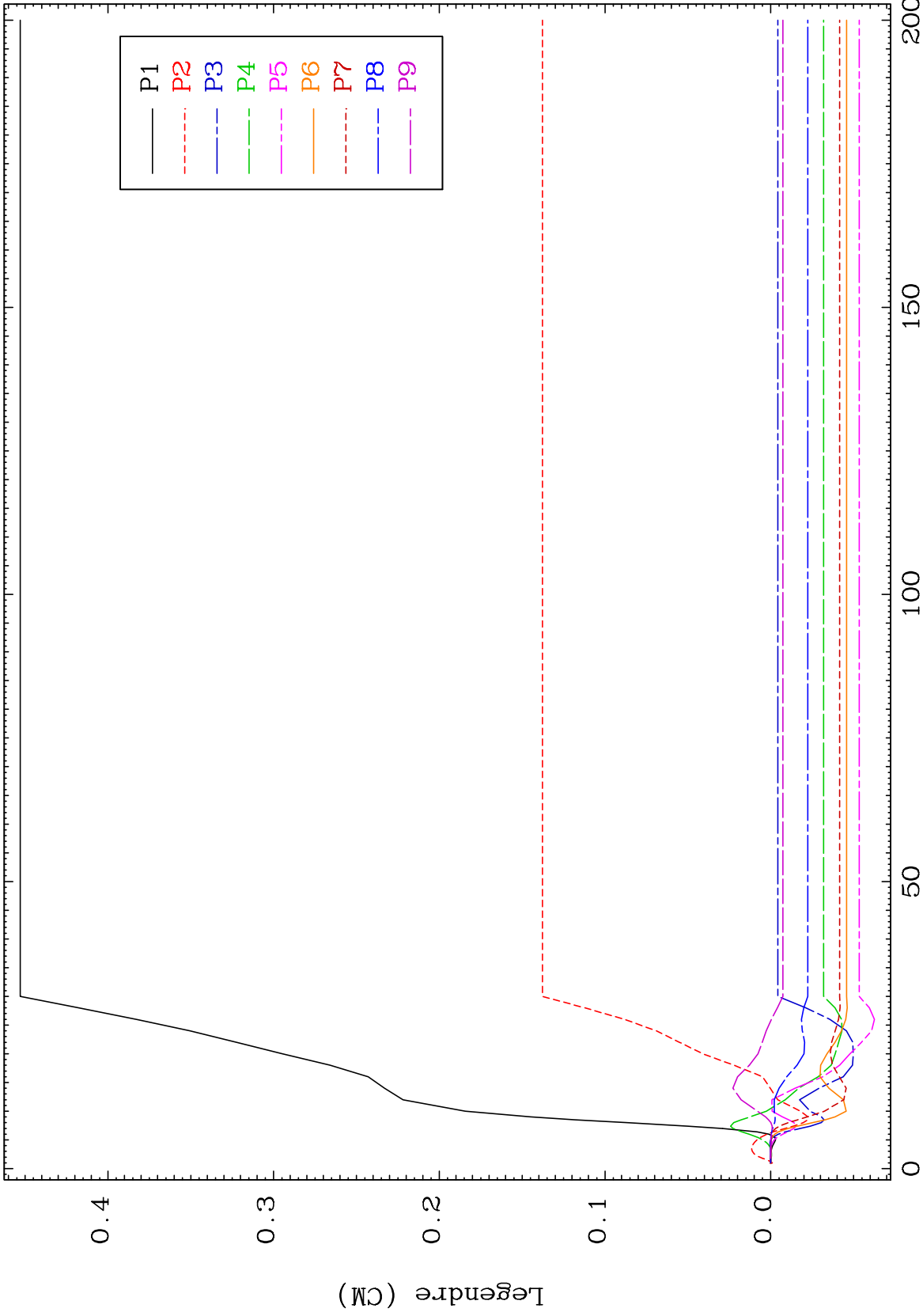
200

45-Rh-105

MAT 4531

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

45-Rh-105



101

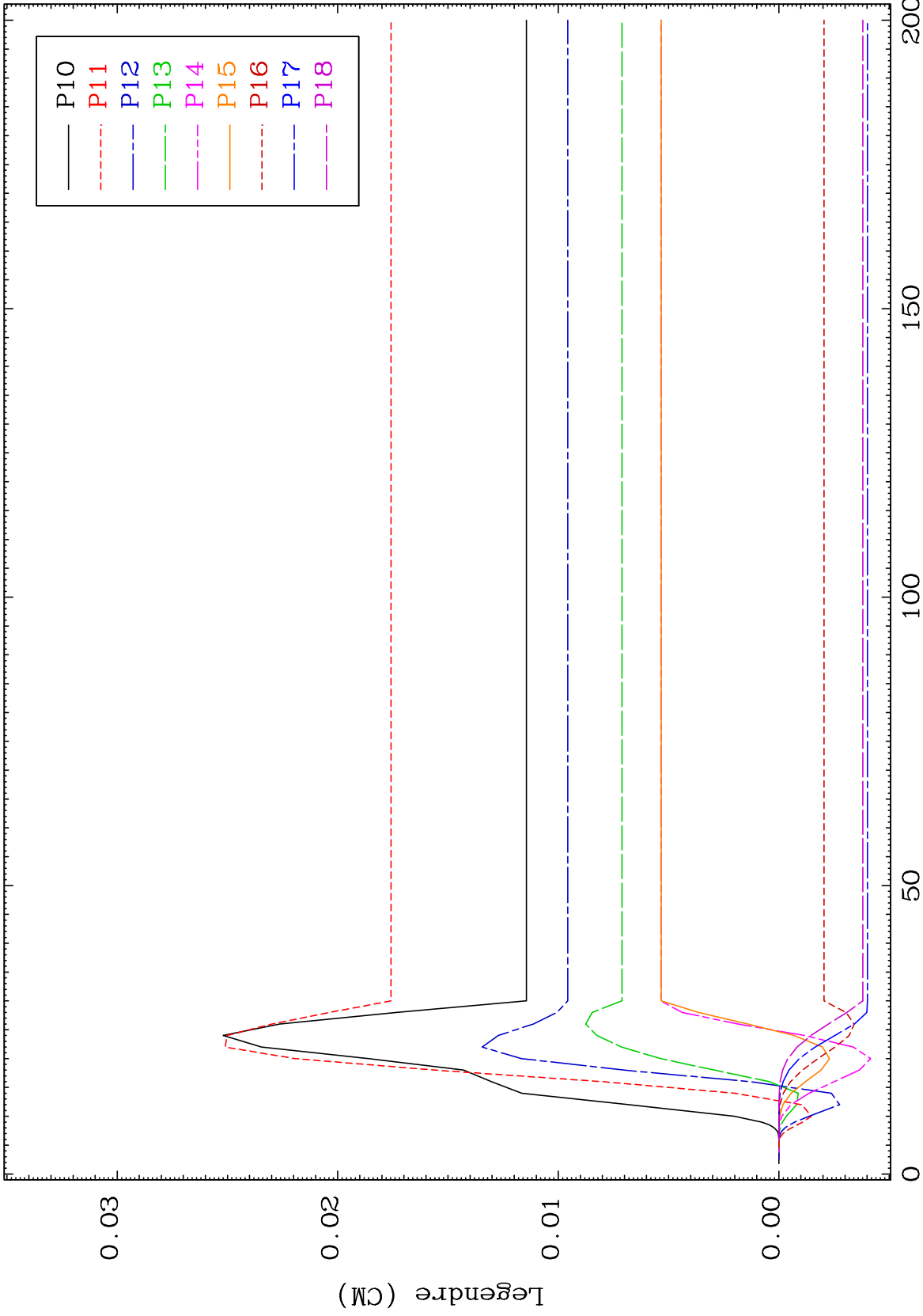
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



102

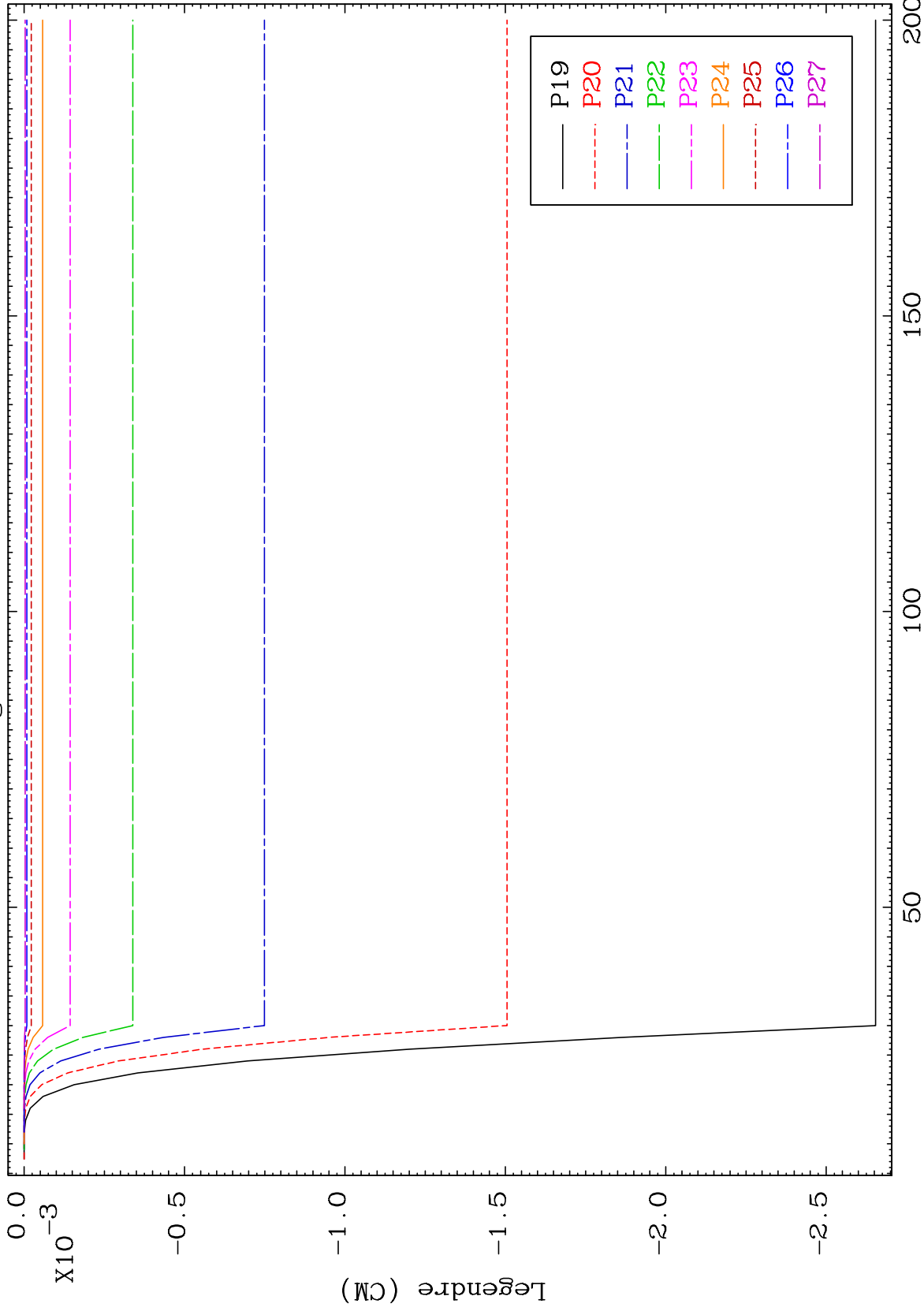
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



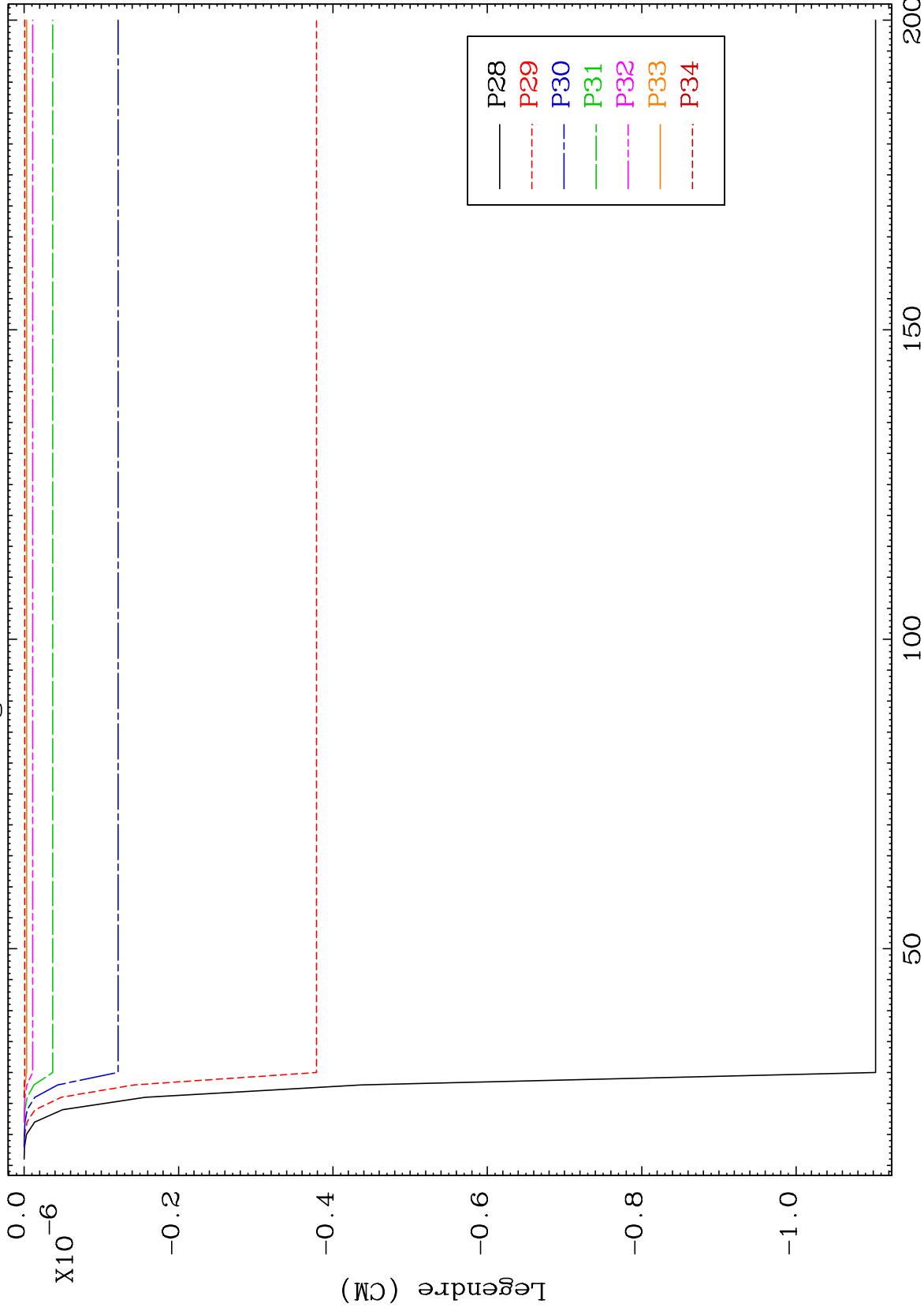
103

45-Rh-105

MAT 4531

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

45-Rh-105



45-Rh-105

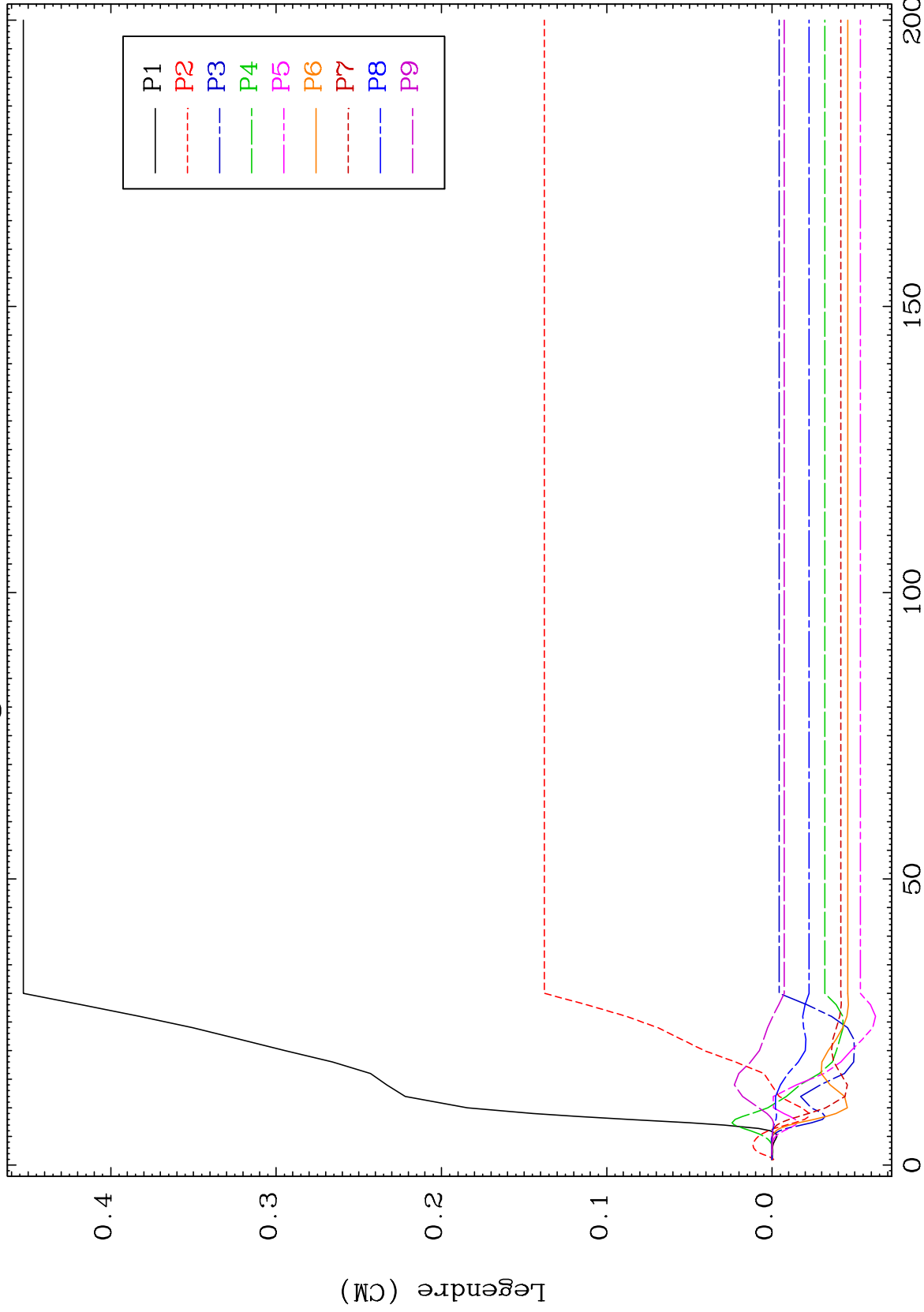
Incident Energy (MeV)

104

MAT 4531

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

45-Rh-105



45-Rh-105

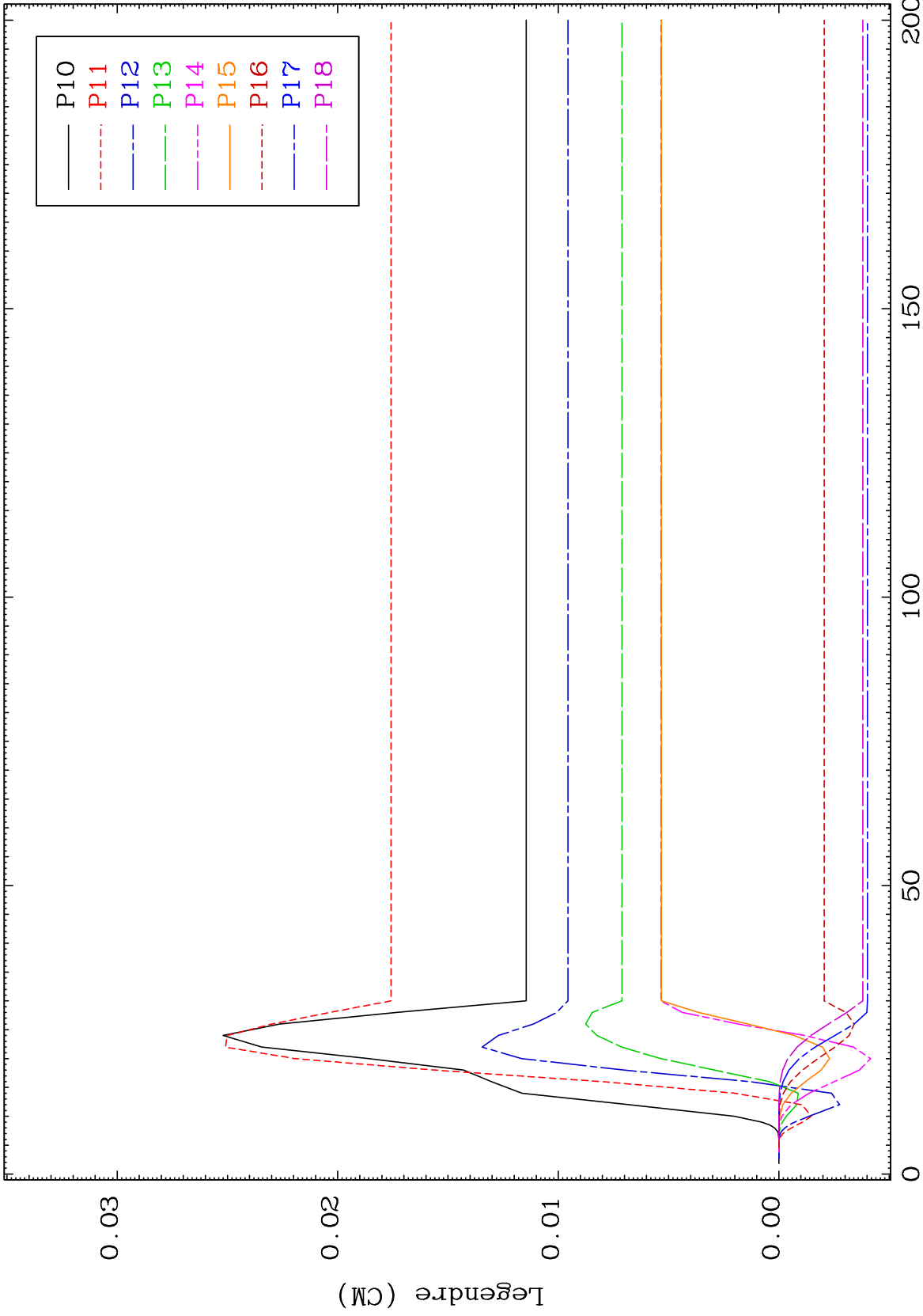
Incident Energy (MeV)

105

MAT 4531

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

45-Rh-105



106

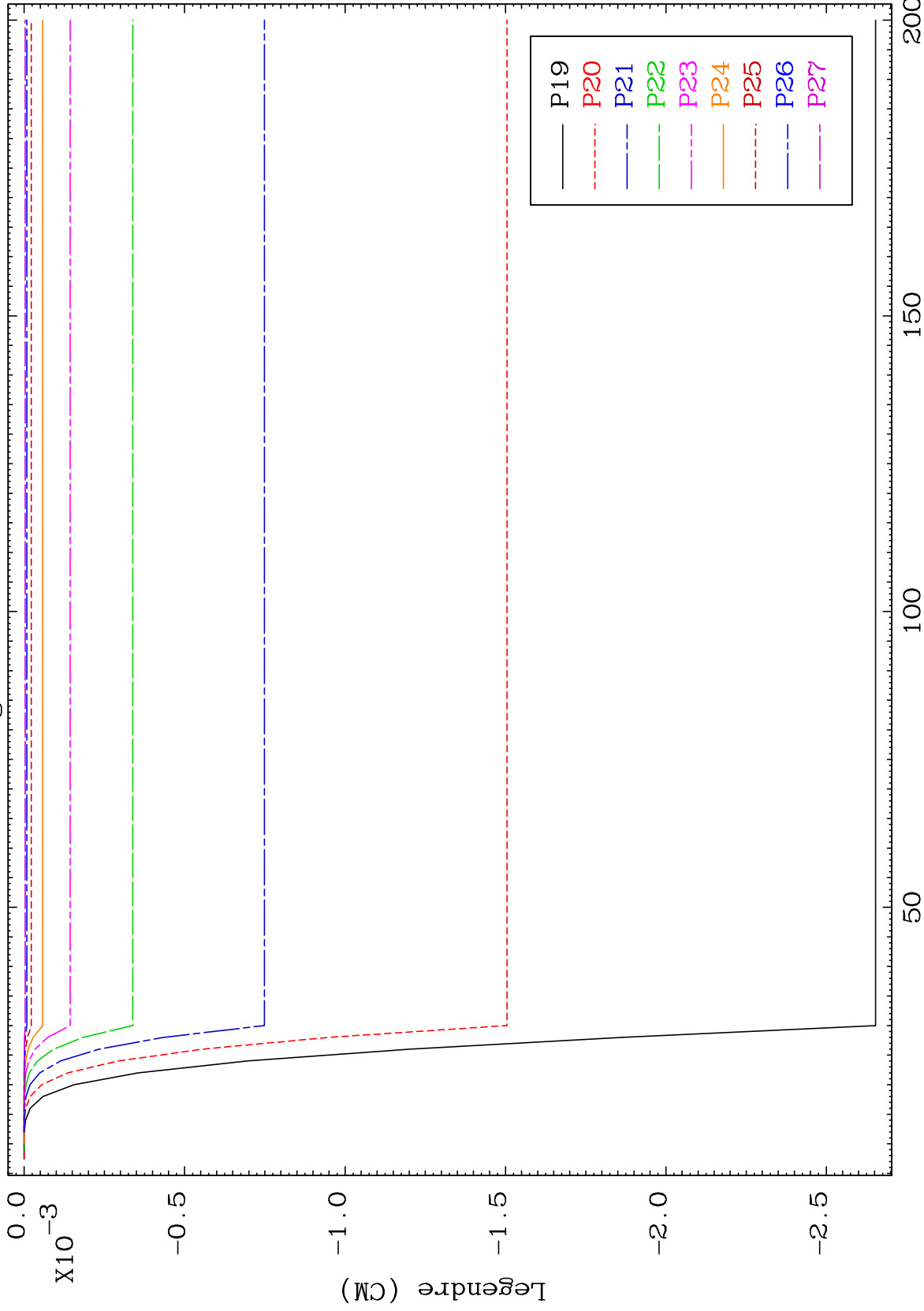
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



45-Rh-105

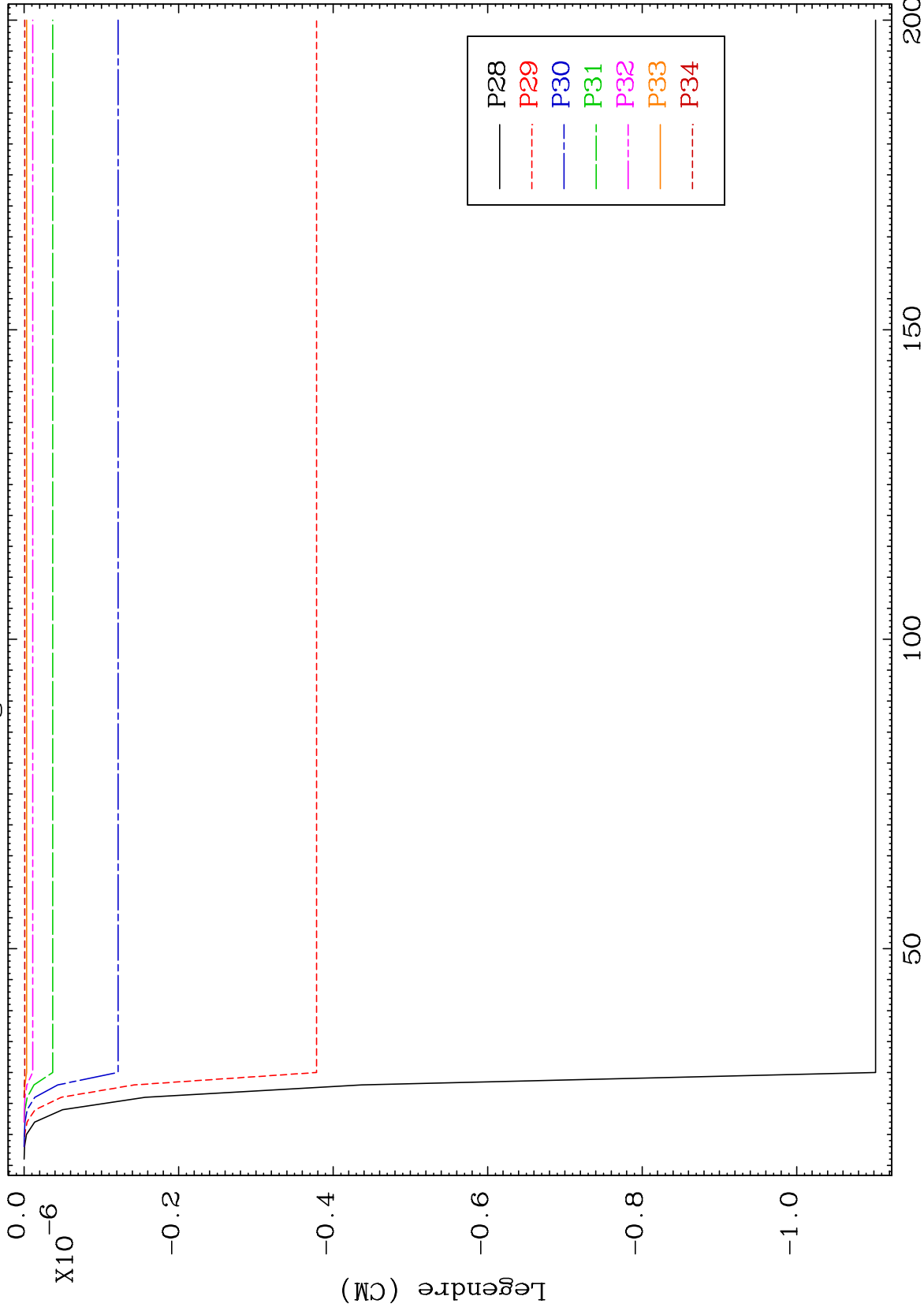
Incident Energy (MeV)

107

MAT 4531

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

45-Rh-105



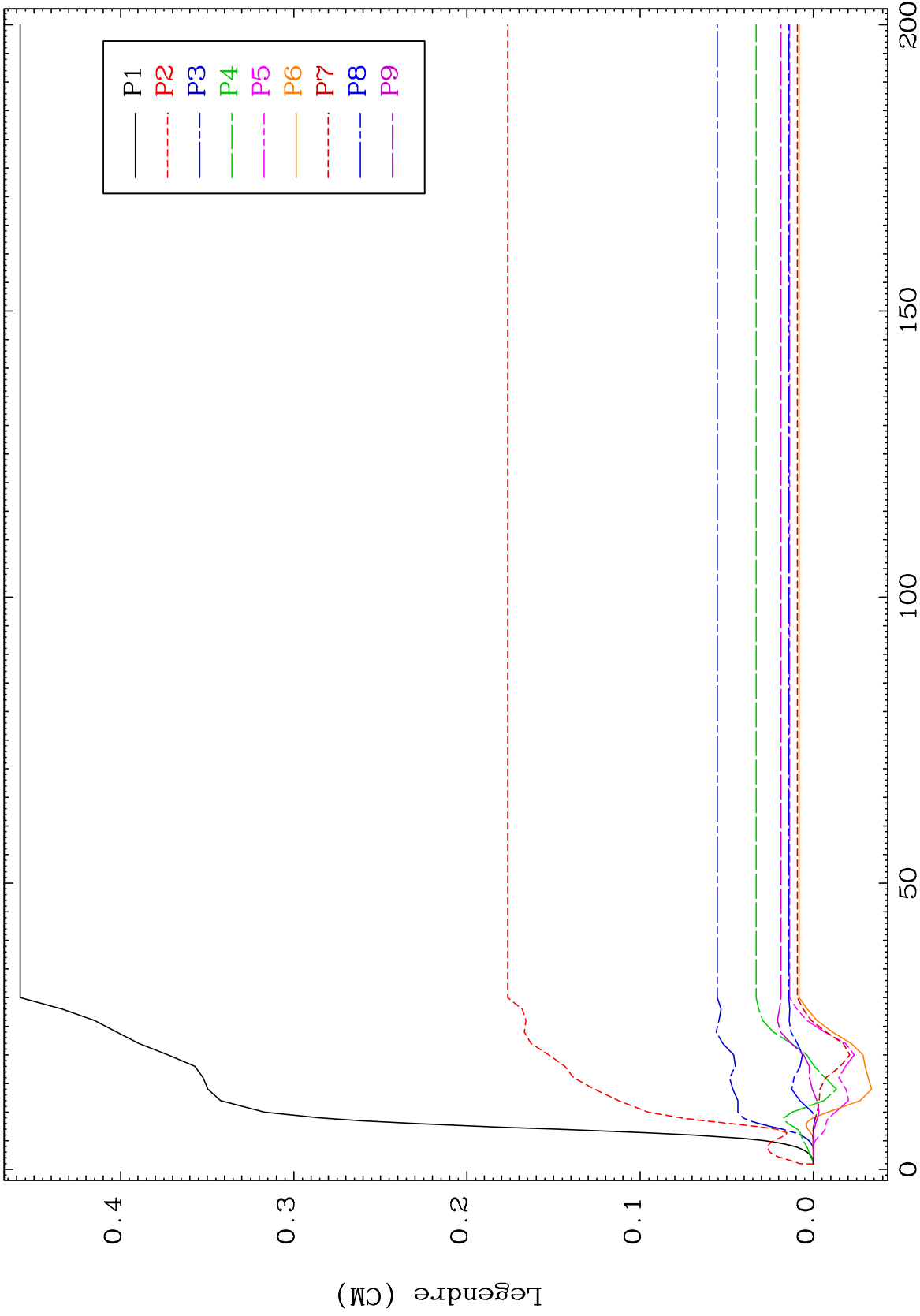
108

45-Rh-105

MAT 4531

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

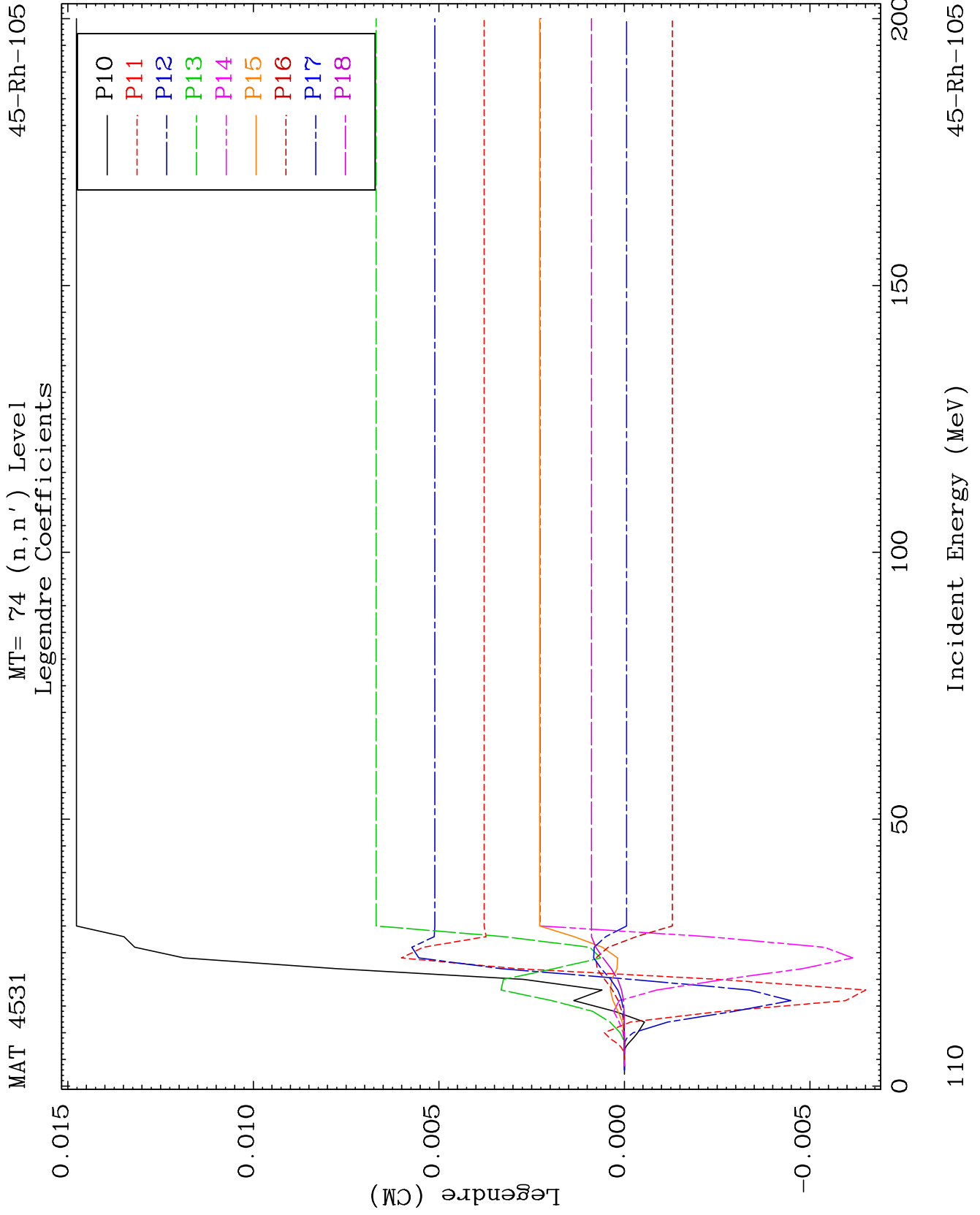
45-Rh-105

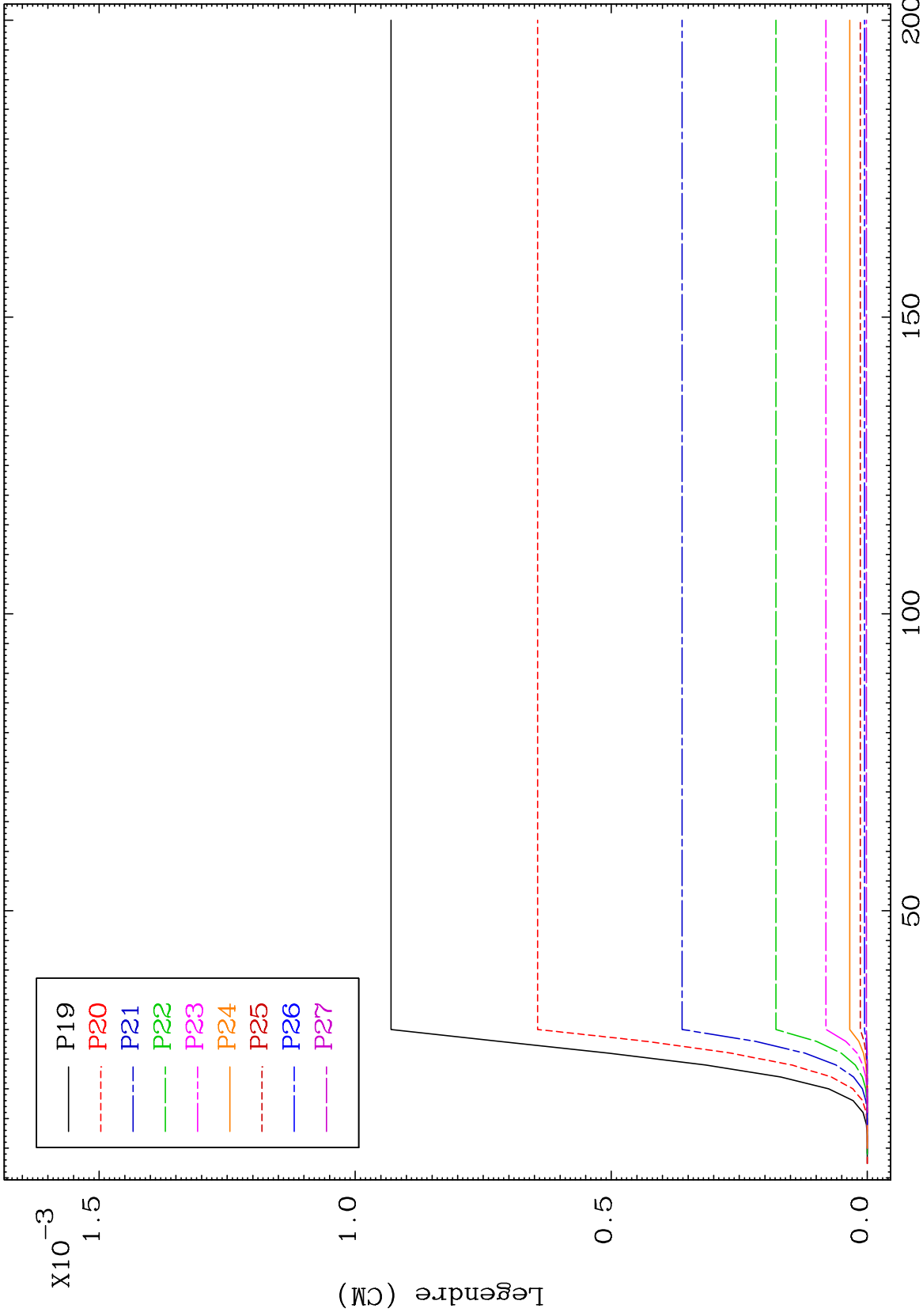


109

Incident Energy (MeV)

45-Rh-105

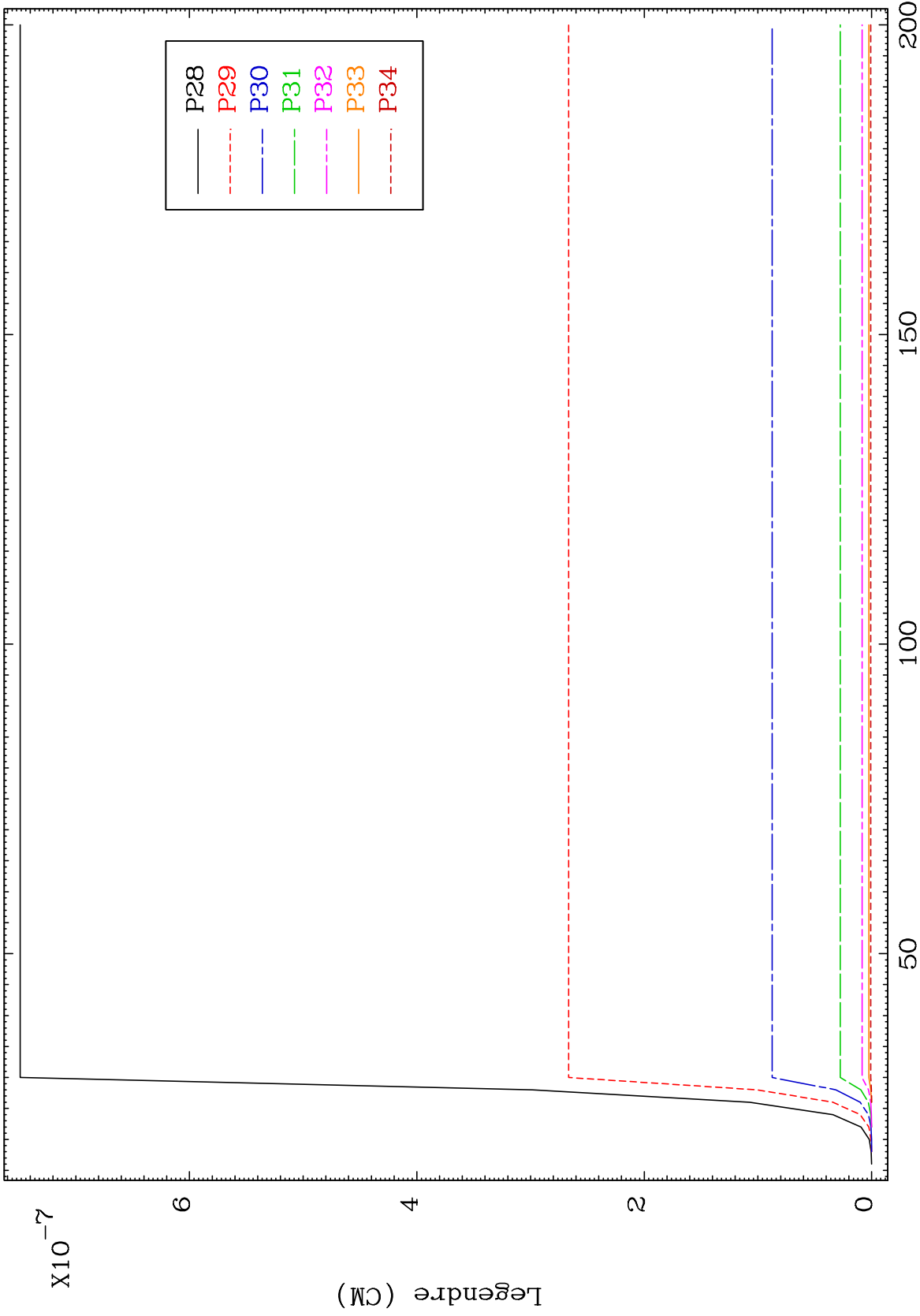




MAT 4531

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

45-Rh-105



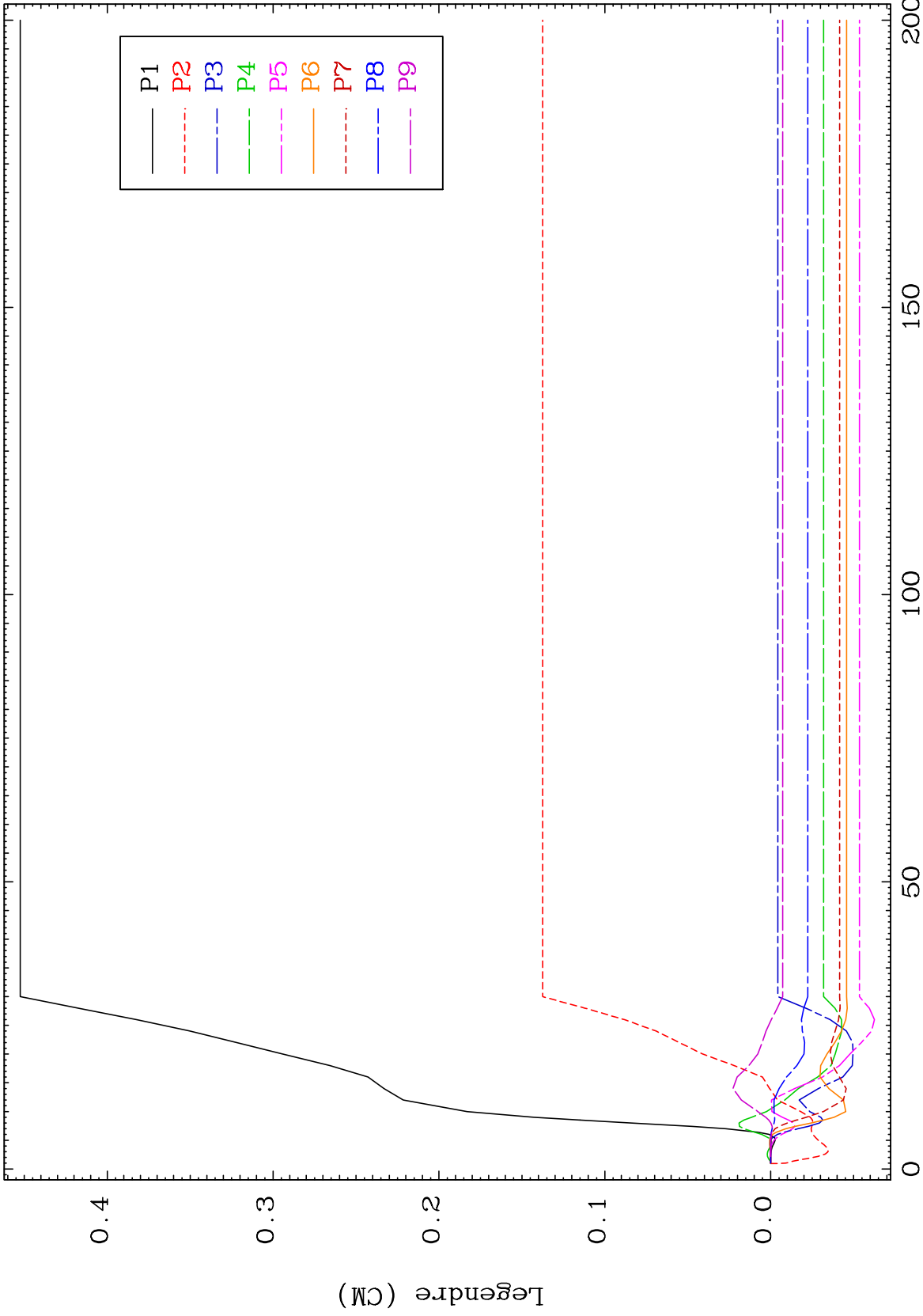
112

45-Rh-105

MAT 4531

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

45-Rh-105



113

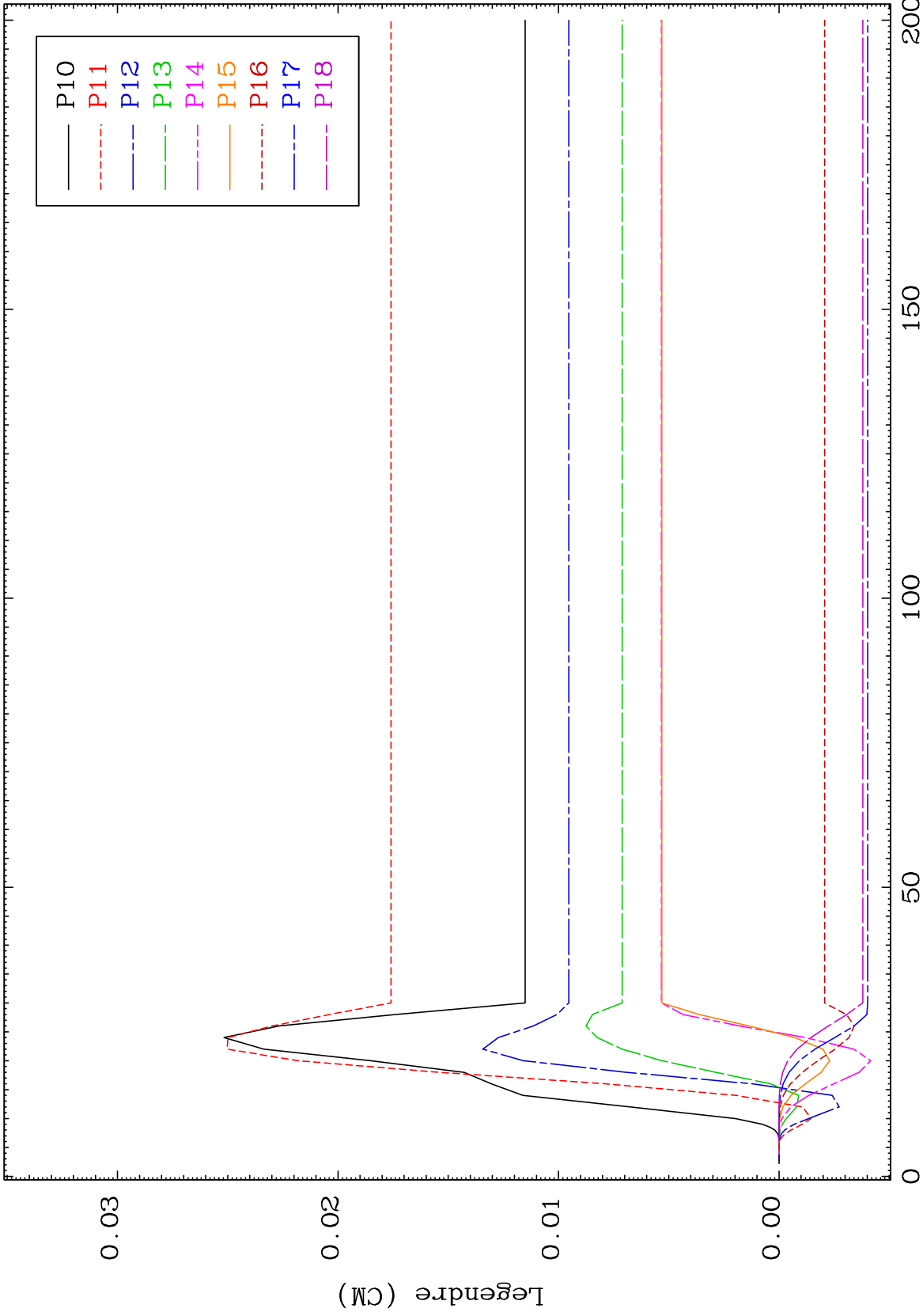
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



45-Rh-105

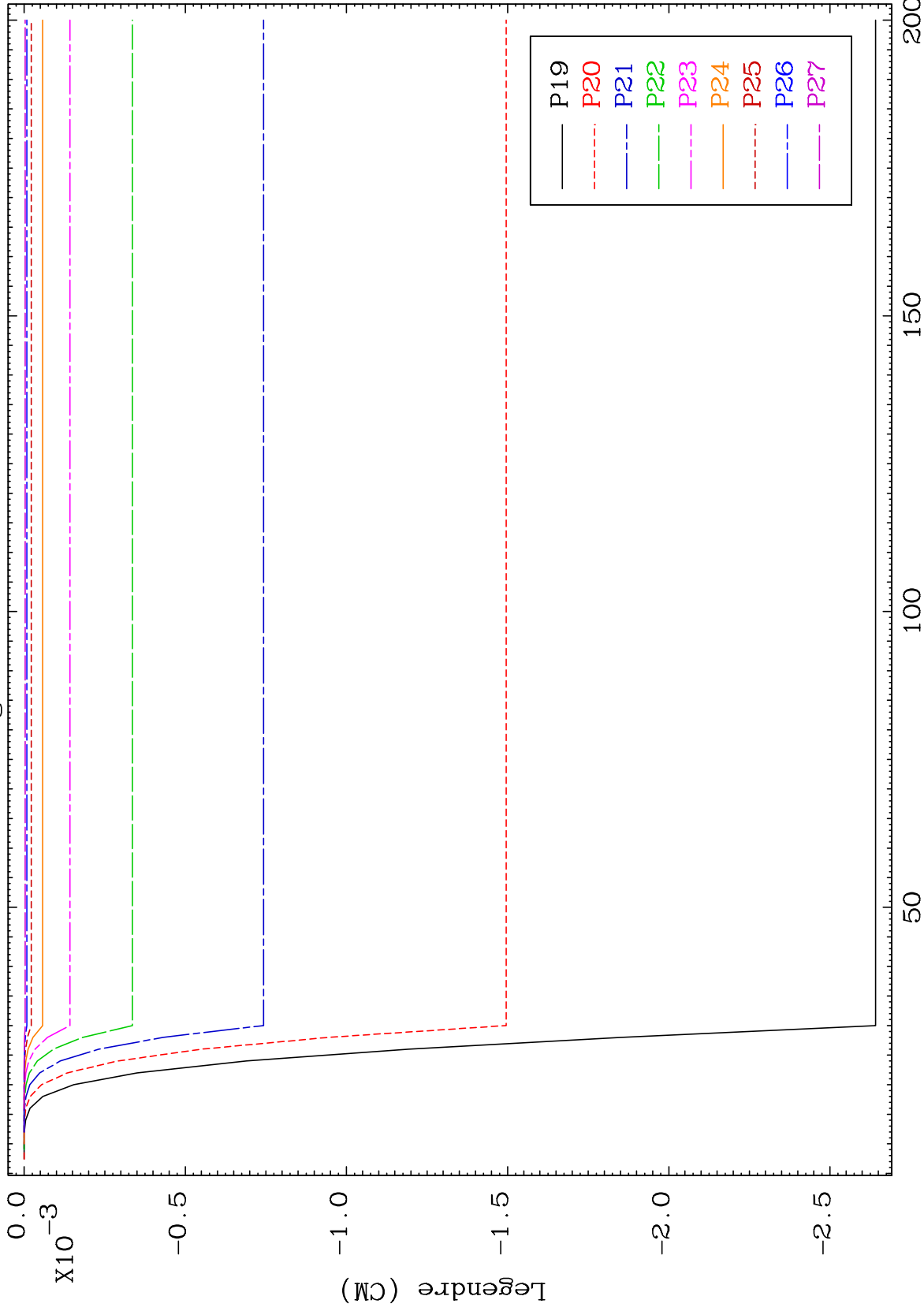
Incident Energy (MeV)

114

MAT 4531

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

45-Rh-105



45-Rh-105

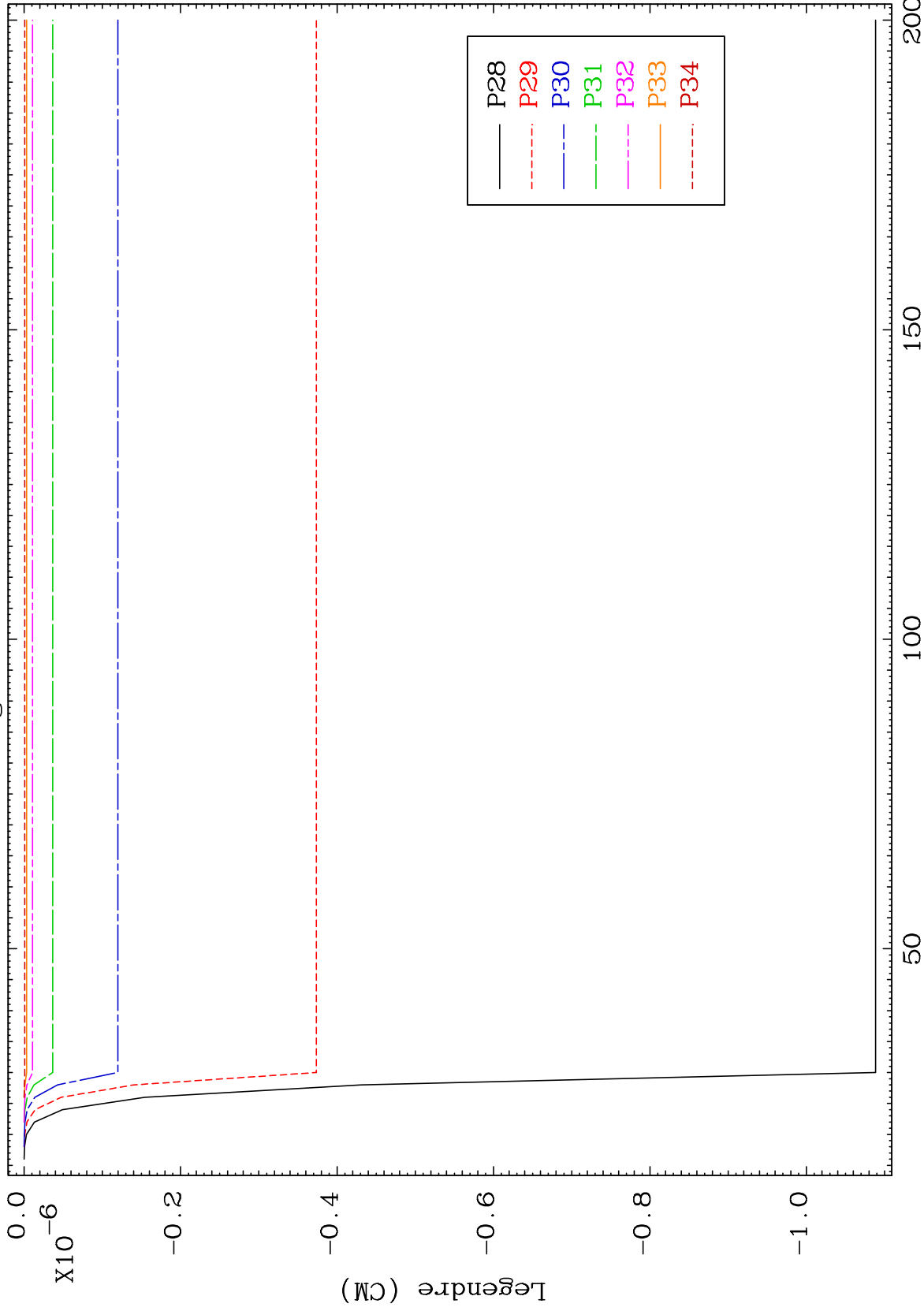
Incident Energy (MeV)

115

MAT 4531

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

45-Rh-105

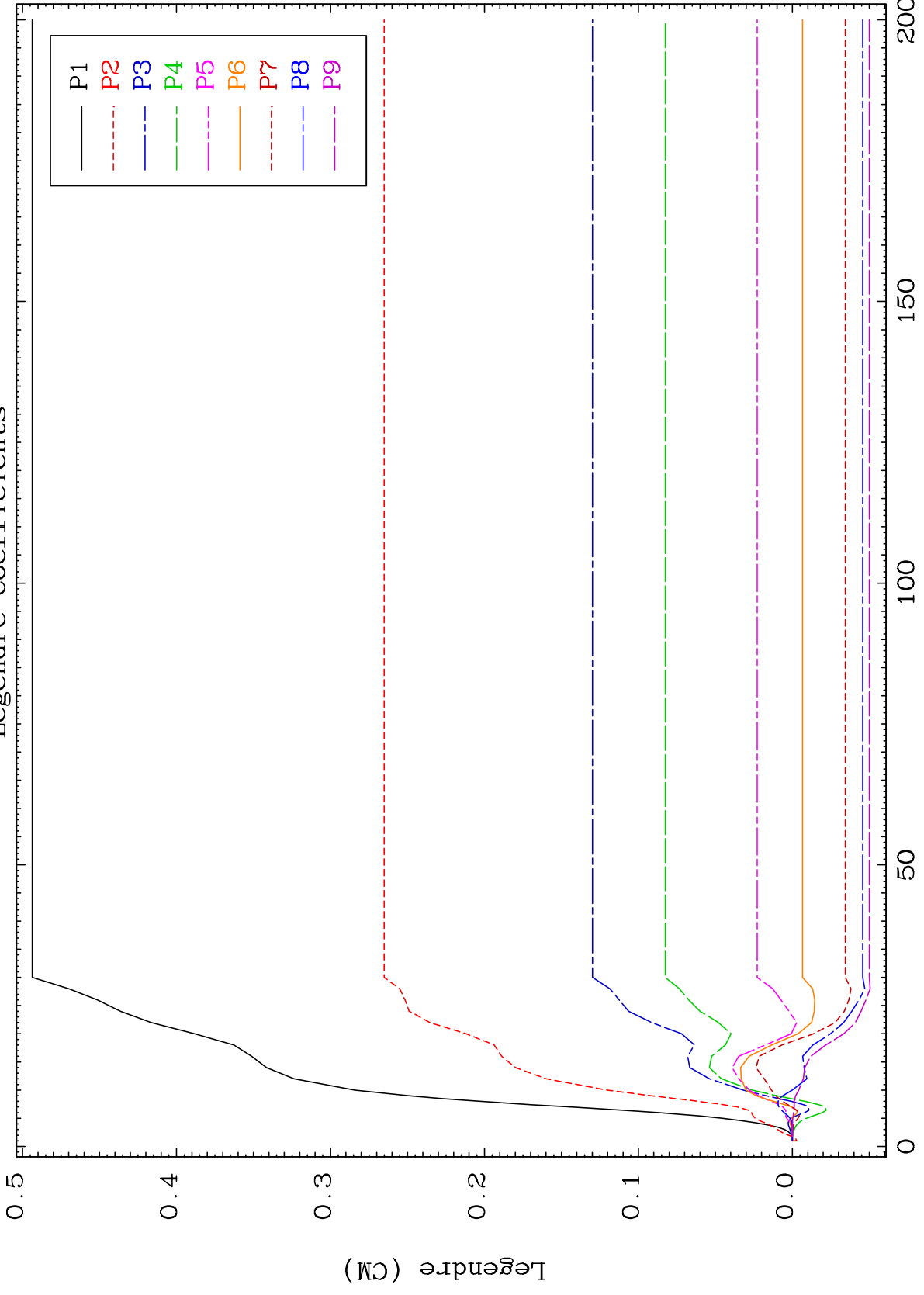


116

Incident Energy (MeV)

45-Rh-105

MAT 4531 MT= 76 (n,n') Level Legendre Coefficients 45-Rh-105

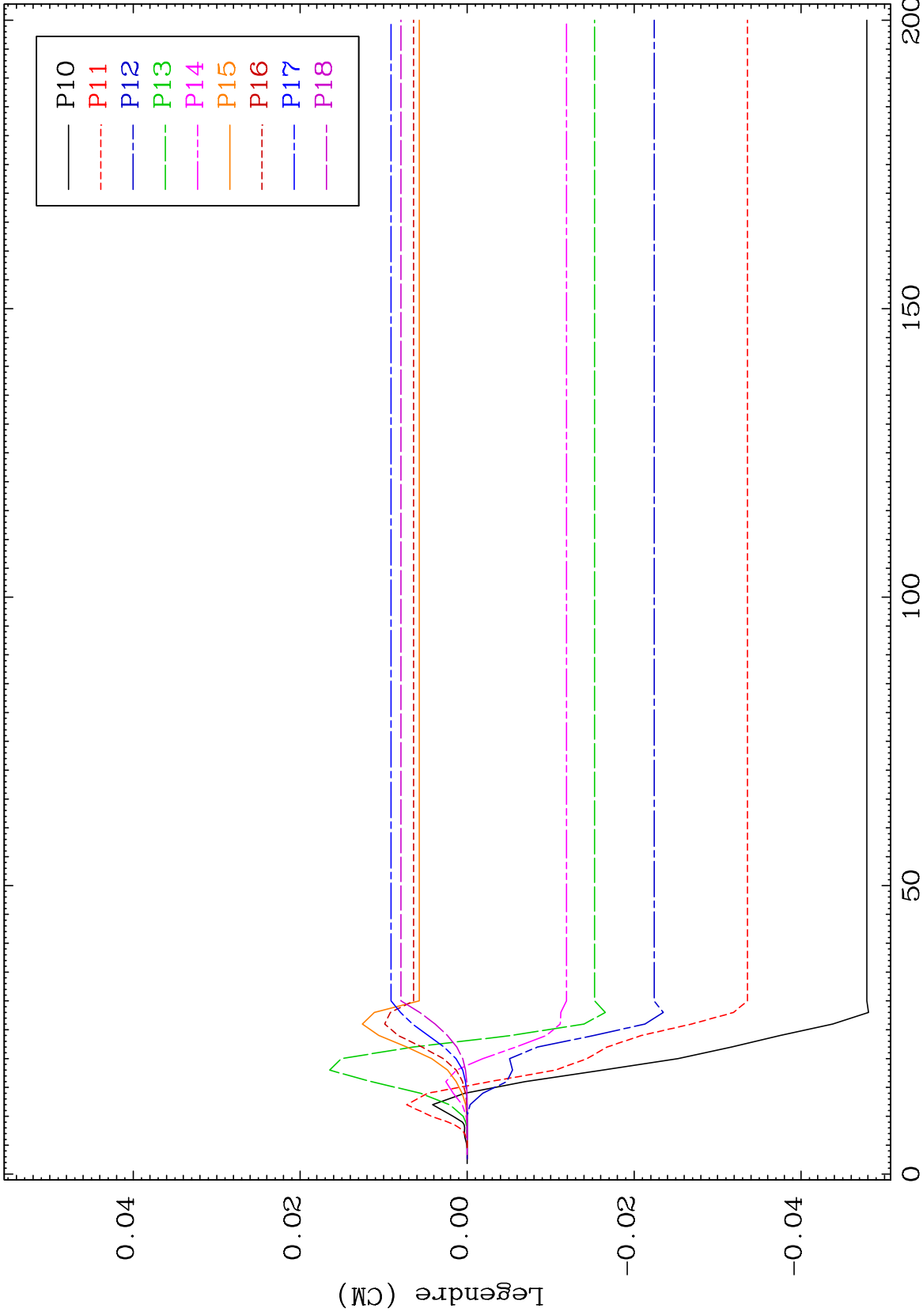


117 45-Rh-105

MAT 4531

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

45-Rh-105



118

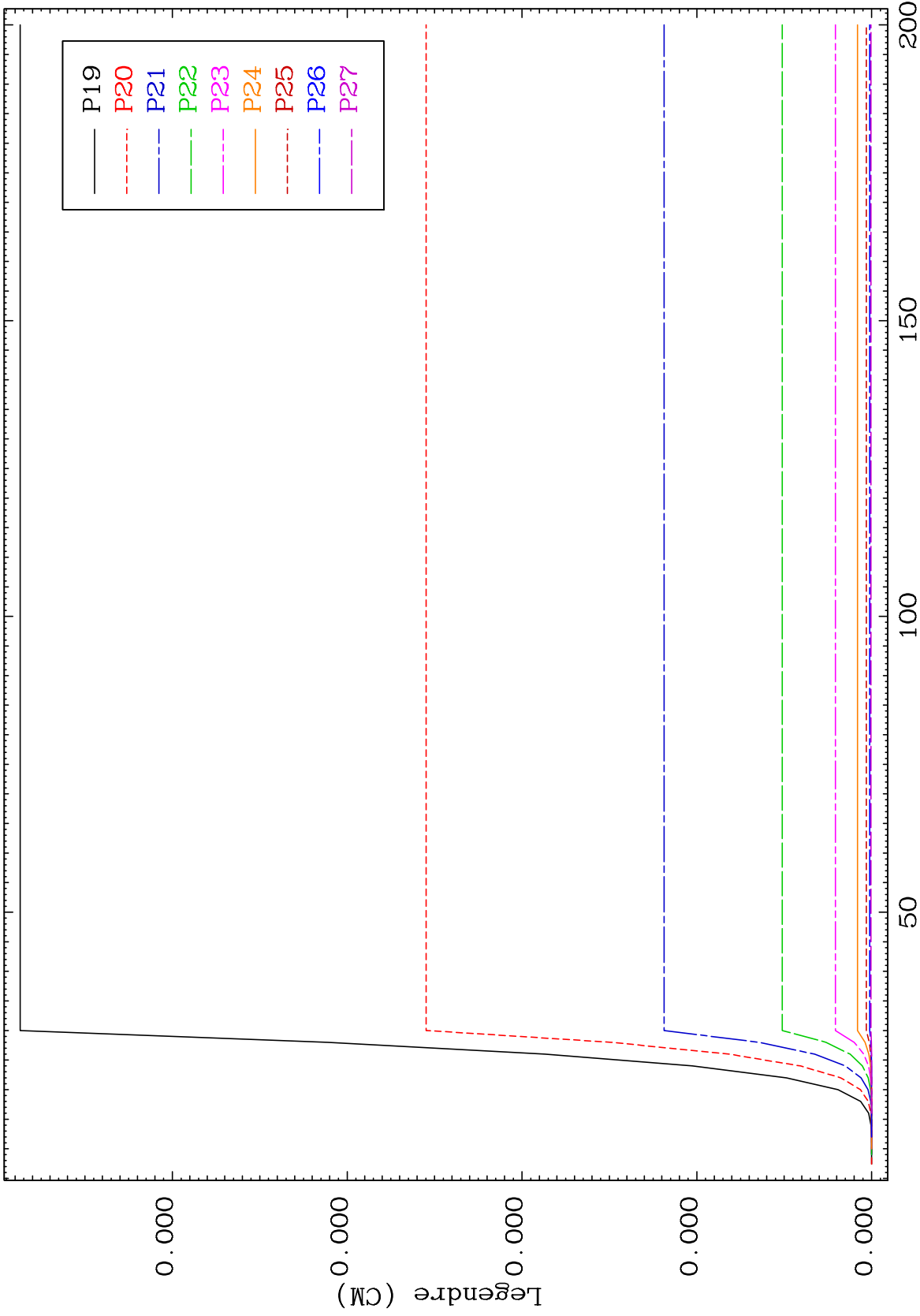
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



119

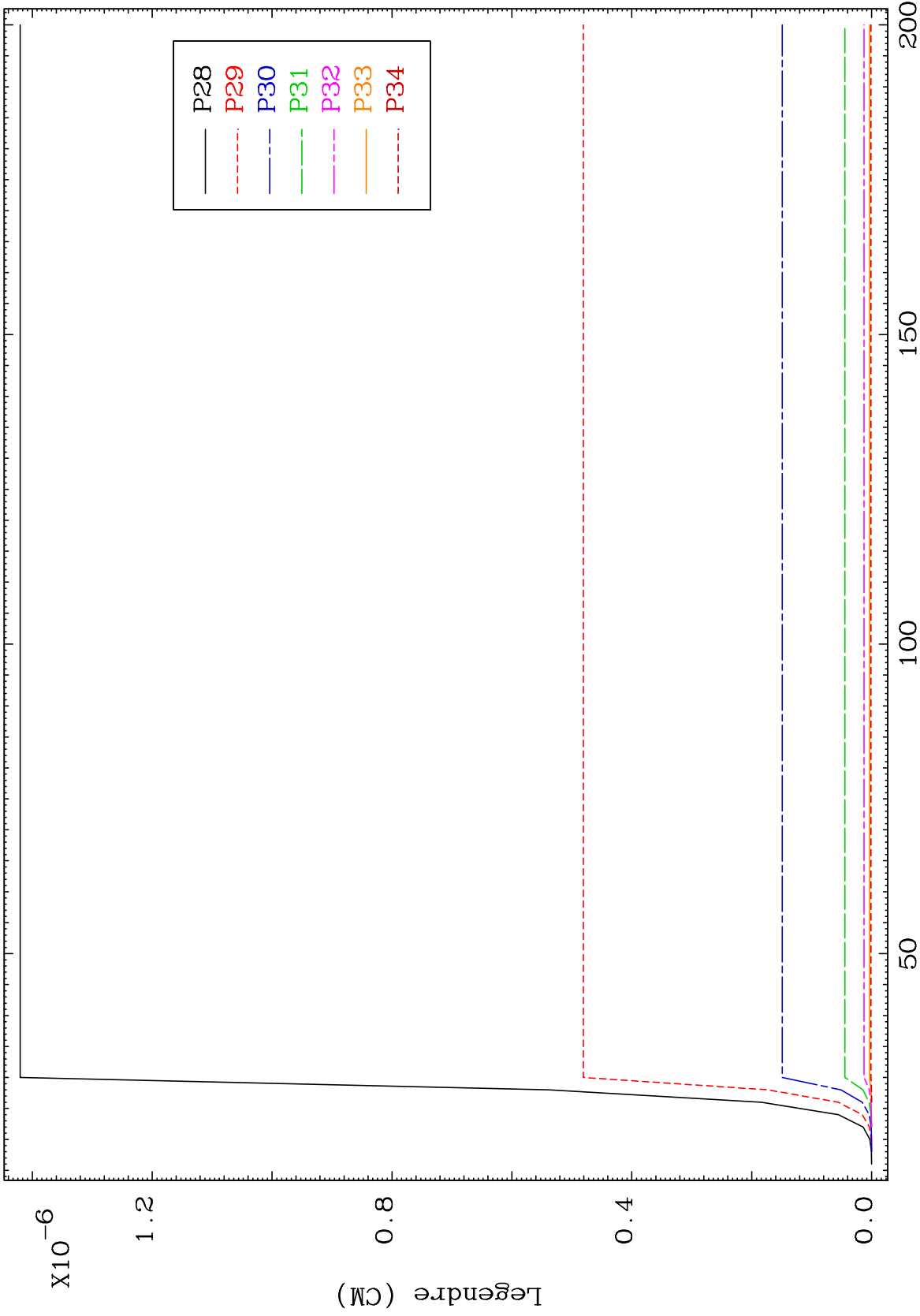
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105

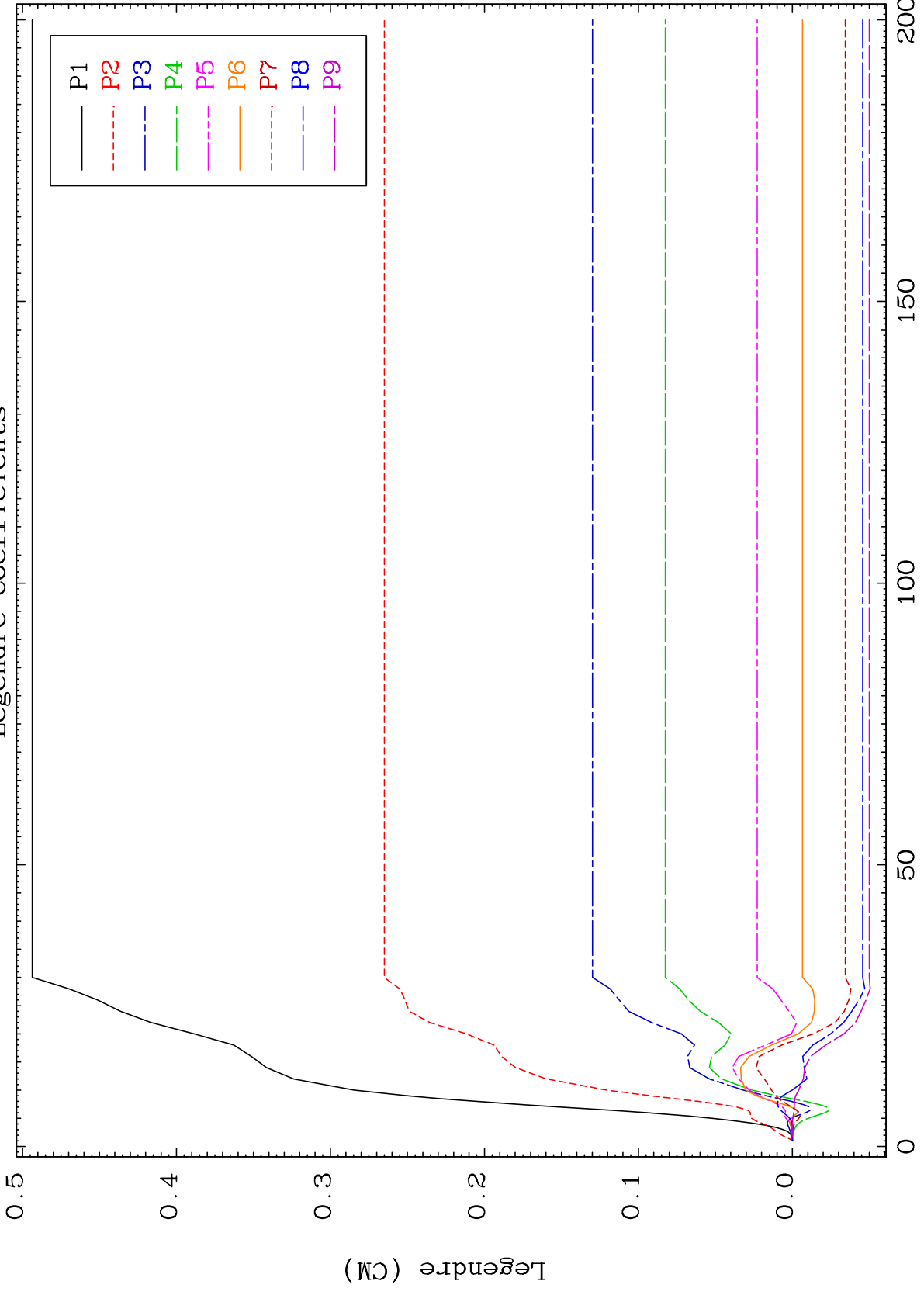


120

Incident Energy (MeV)

45-Rh-105

MAT 4531 MT= 77 (n,n') Level Legendre Coefficients 45-Rh-105

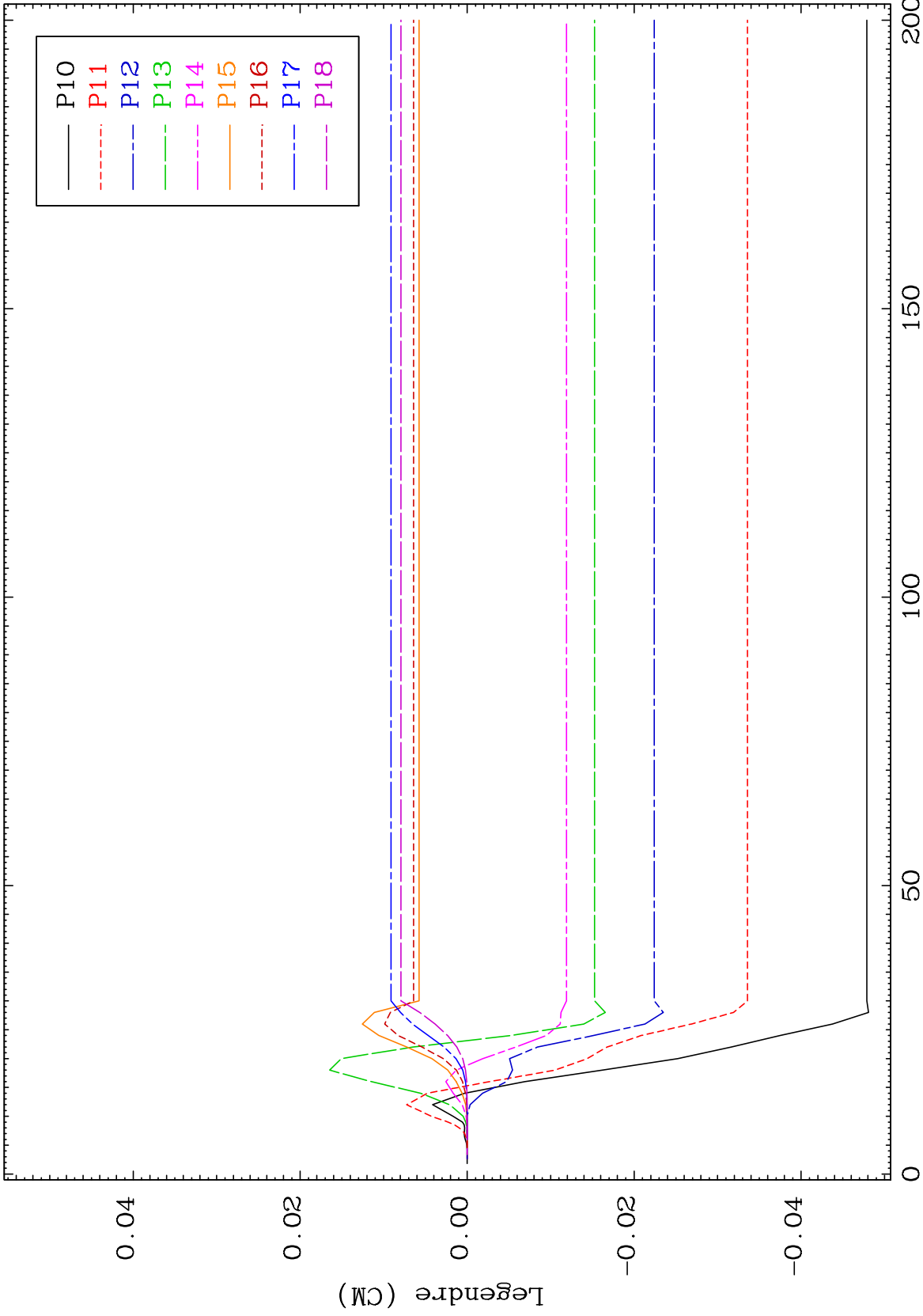


121 45-Rh-105

MAT 4531

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

45-Rh-105



122

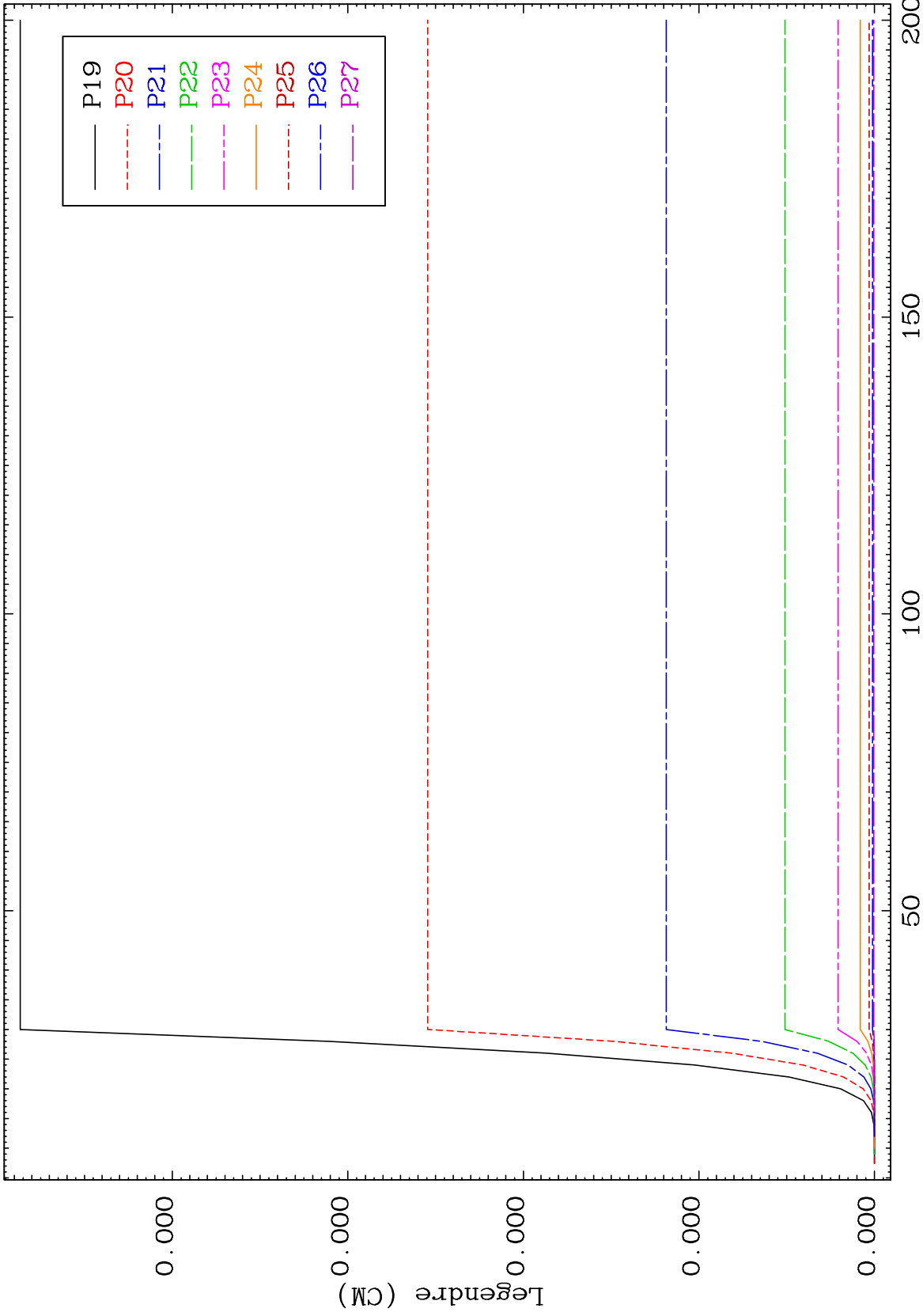
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



123

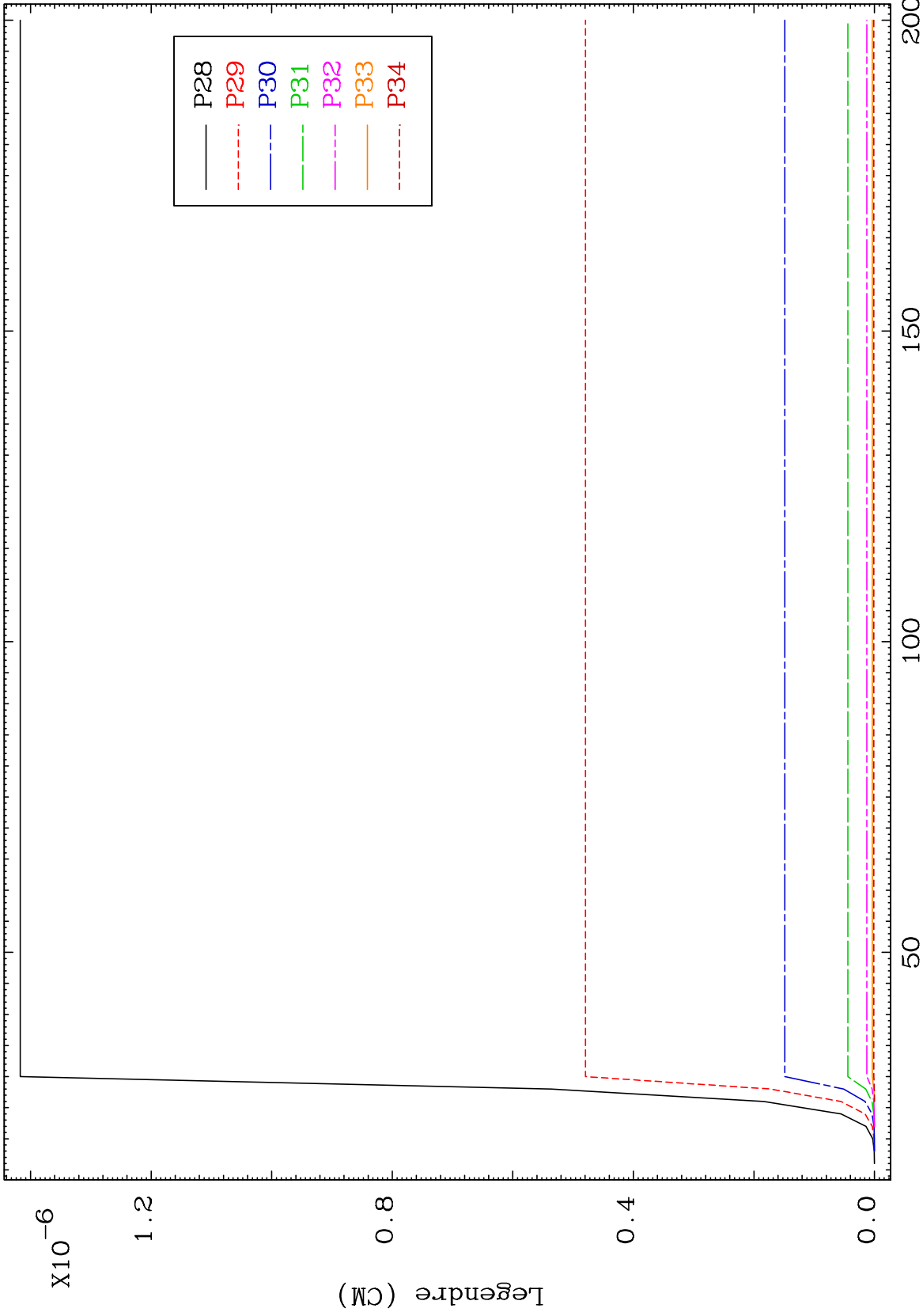
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



124

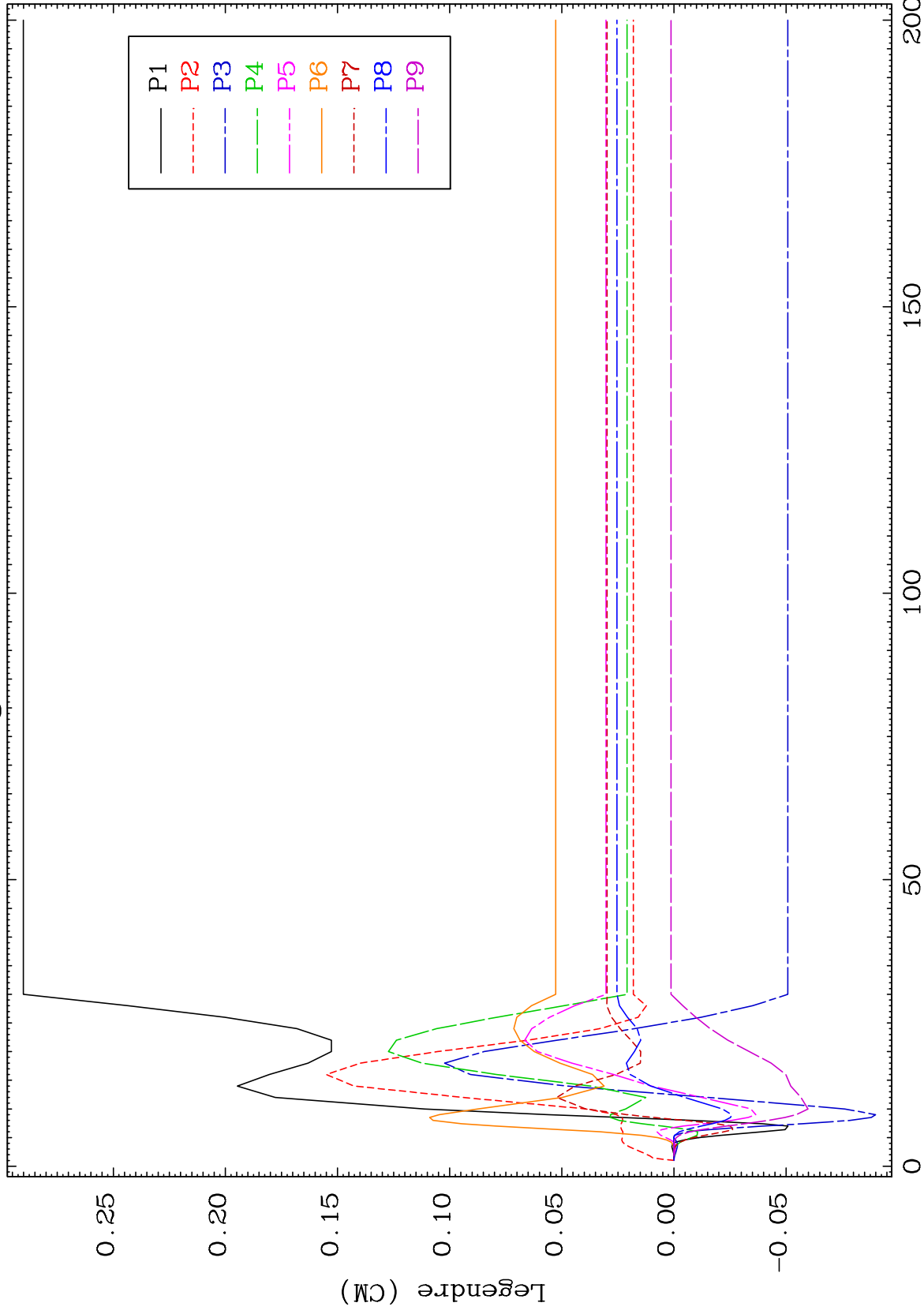
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



125

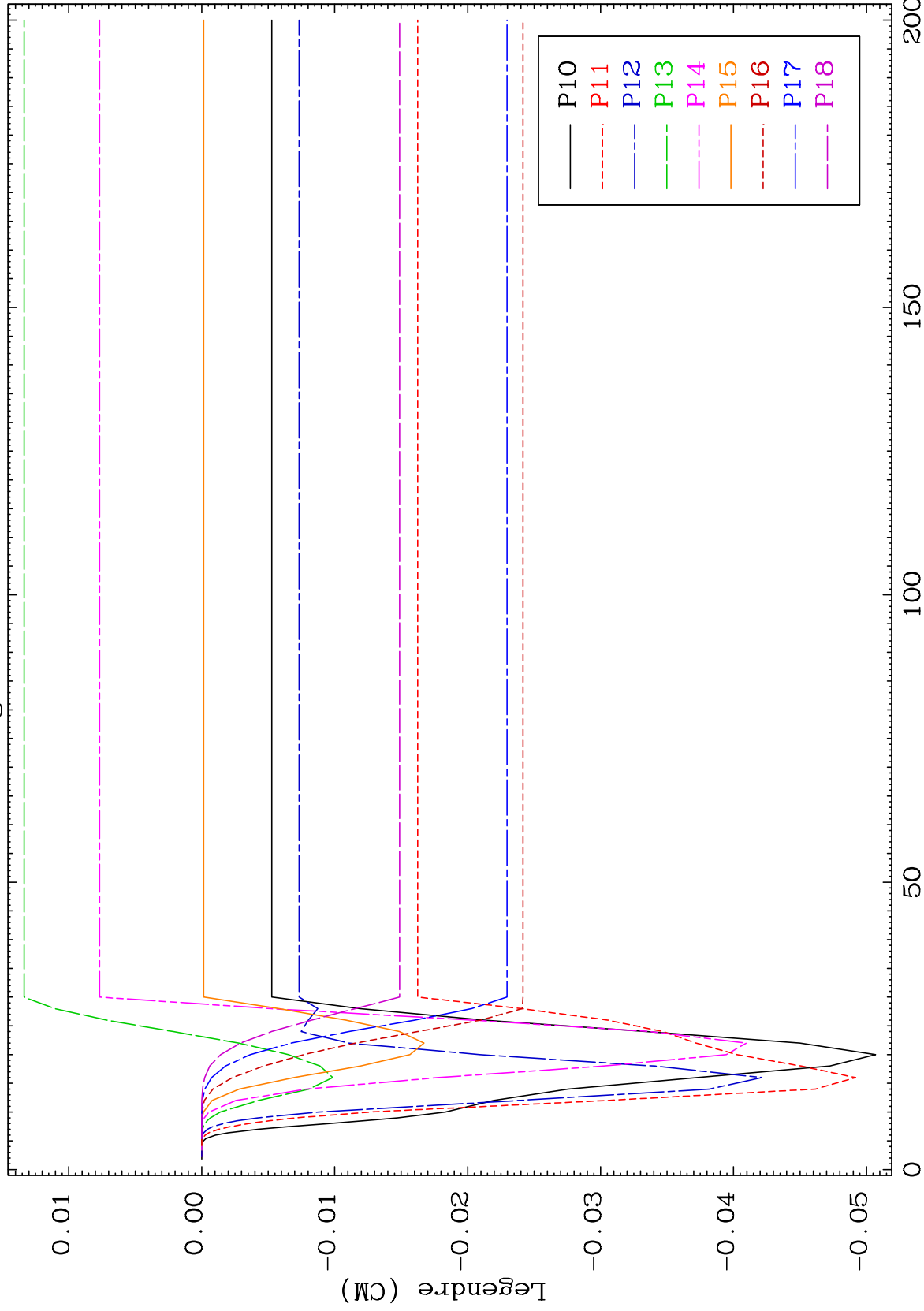
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105

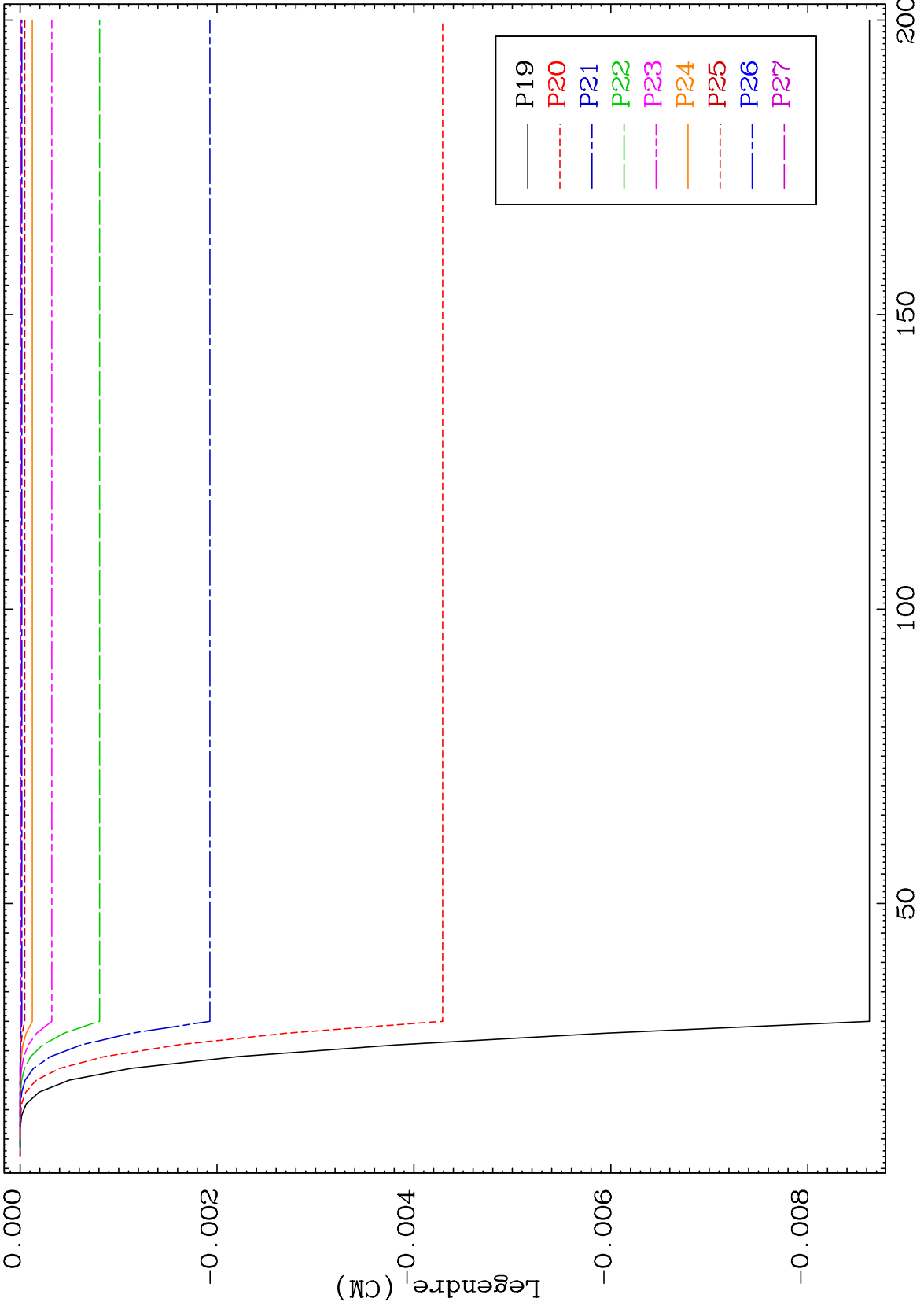


126

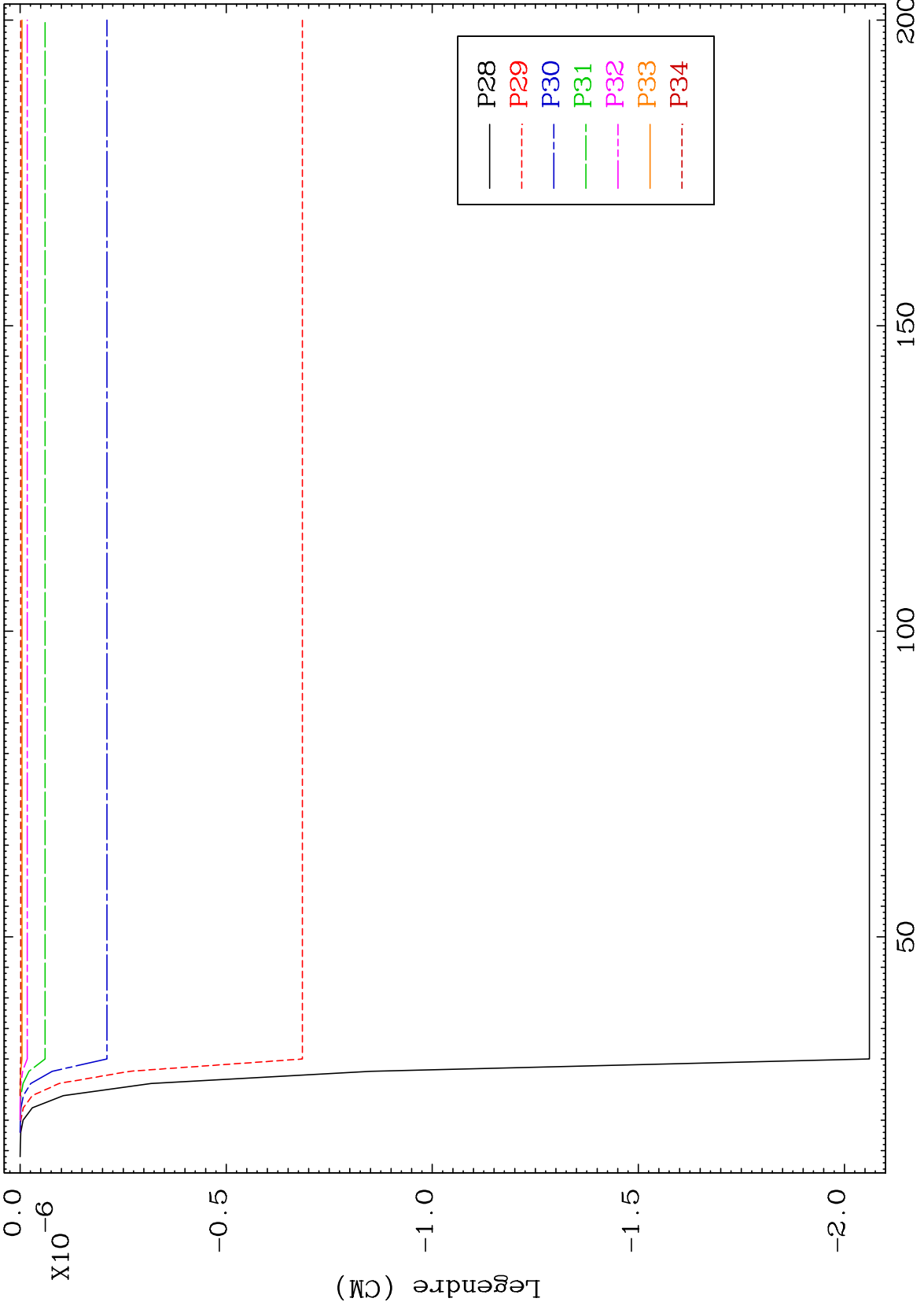
Incident Energy (MeV)

45-Rh-105

MAT 4531 MT= 78 (n,n') Level Legendre Coefficients 45-Rh-105



MAT 4531 MT= 78 (n,n') Level Legendre Coefficients 45-Rh-105

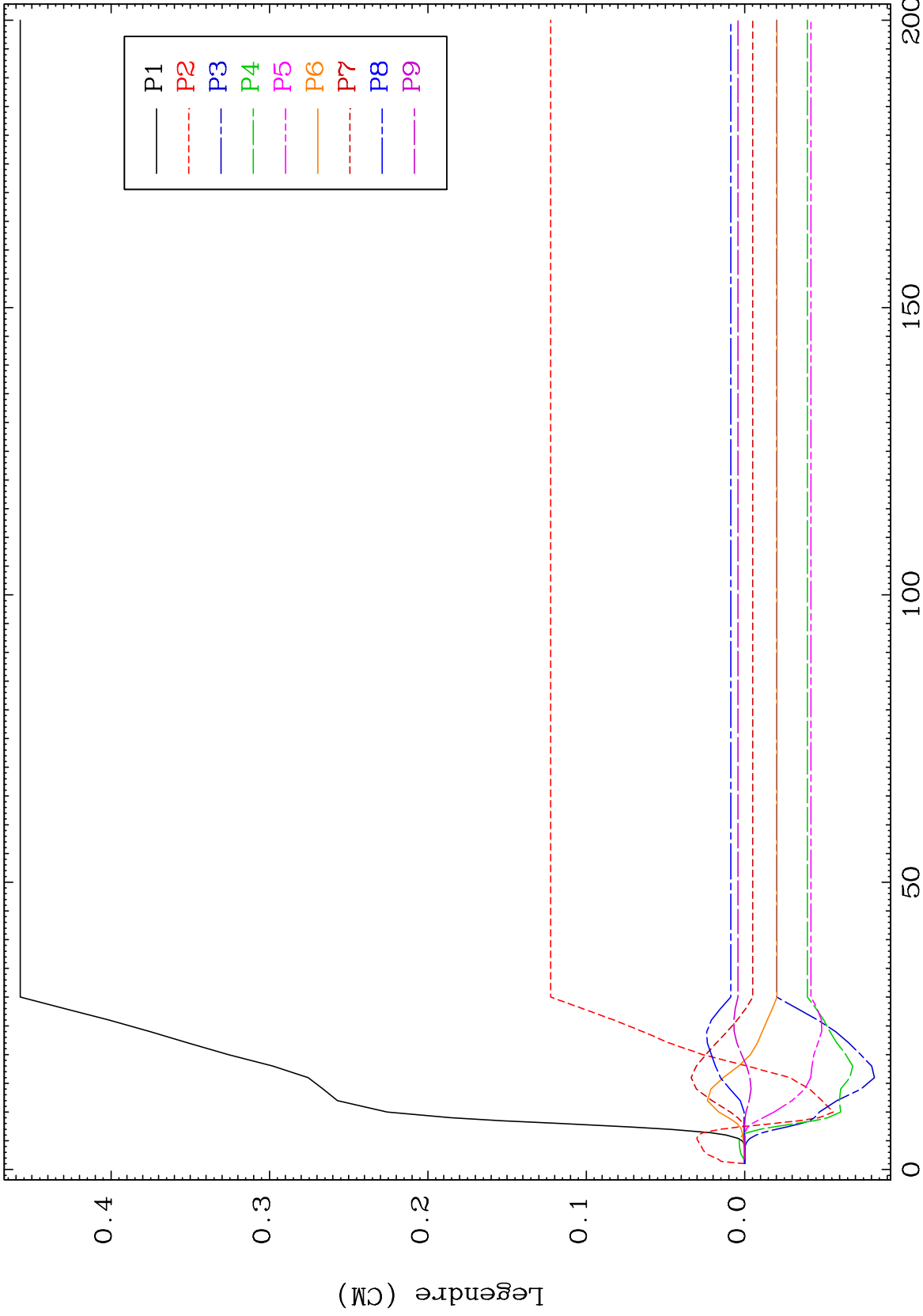


128 45-Rh-105

MAT 4531

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

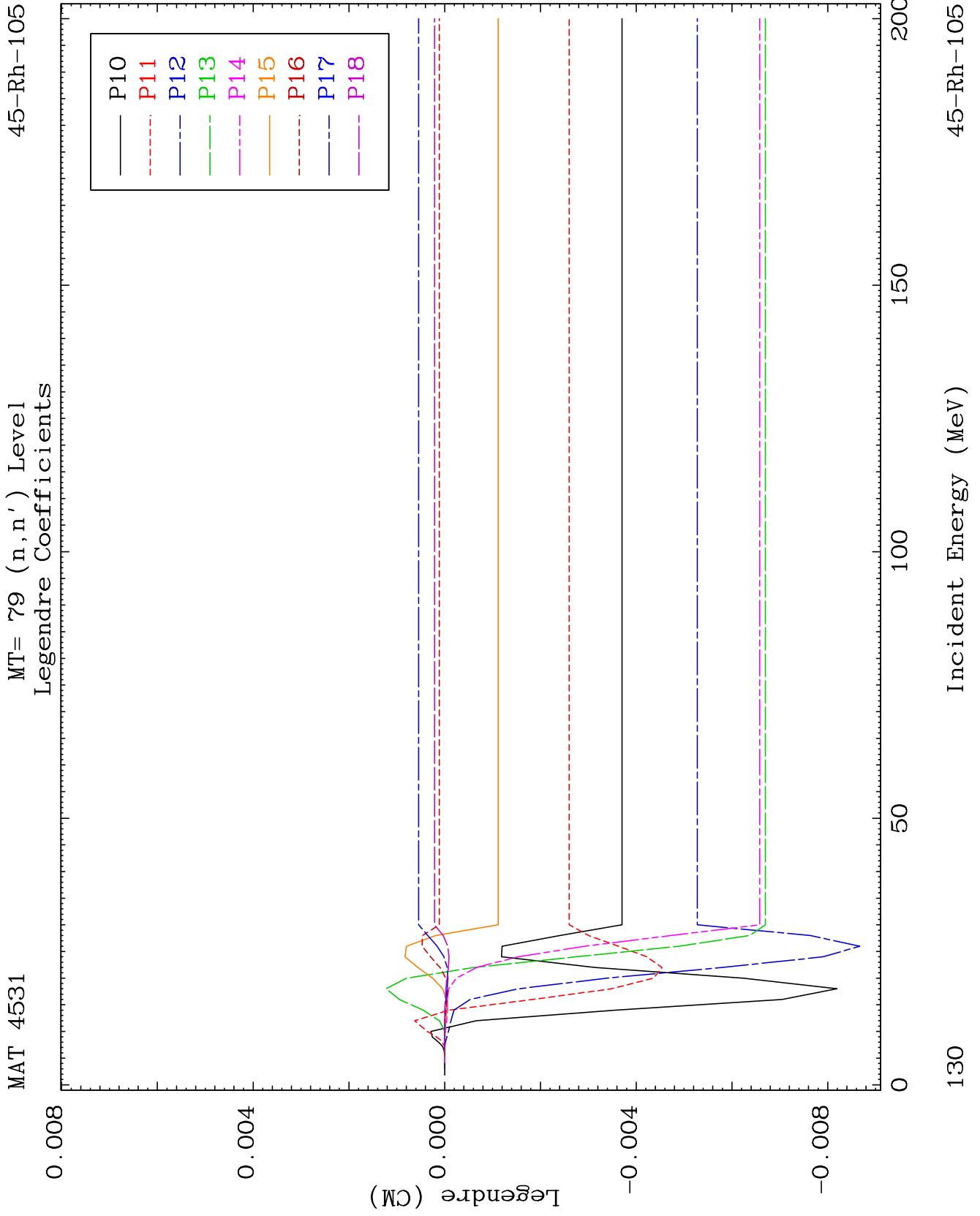
45-Rh-105



129

Incident Energy (MeV)

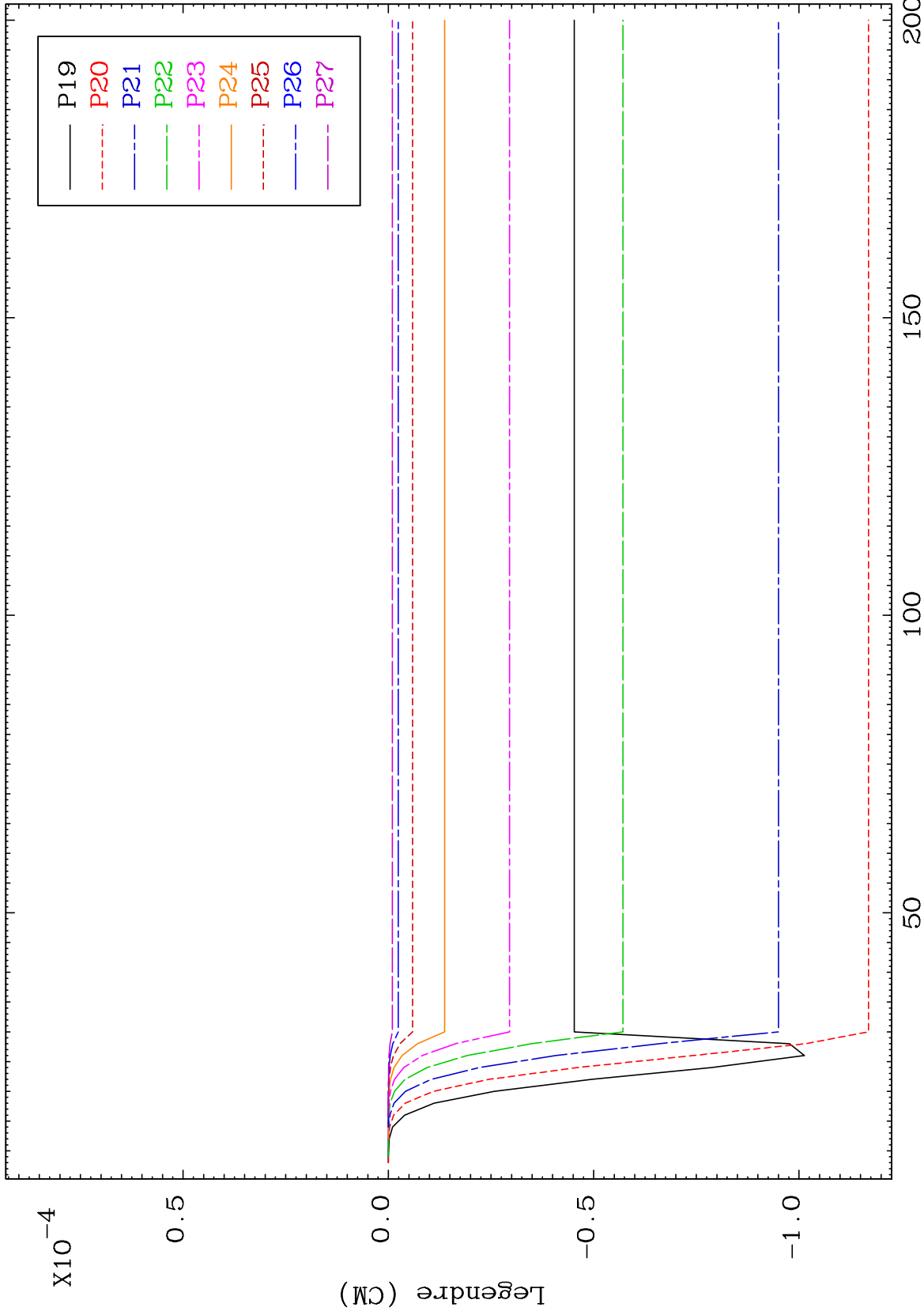
45-Rh-105



MAT 4531

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

45-Rh-105

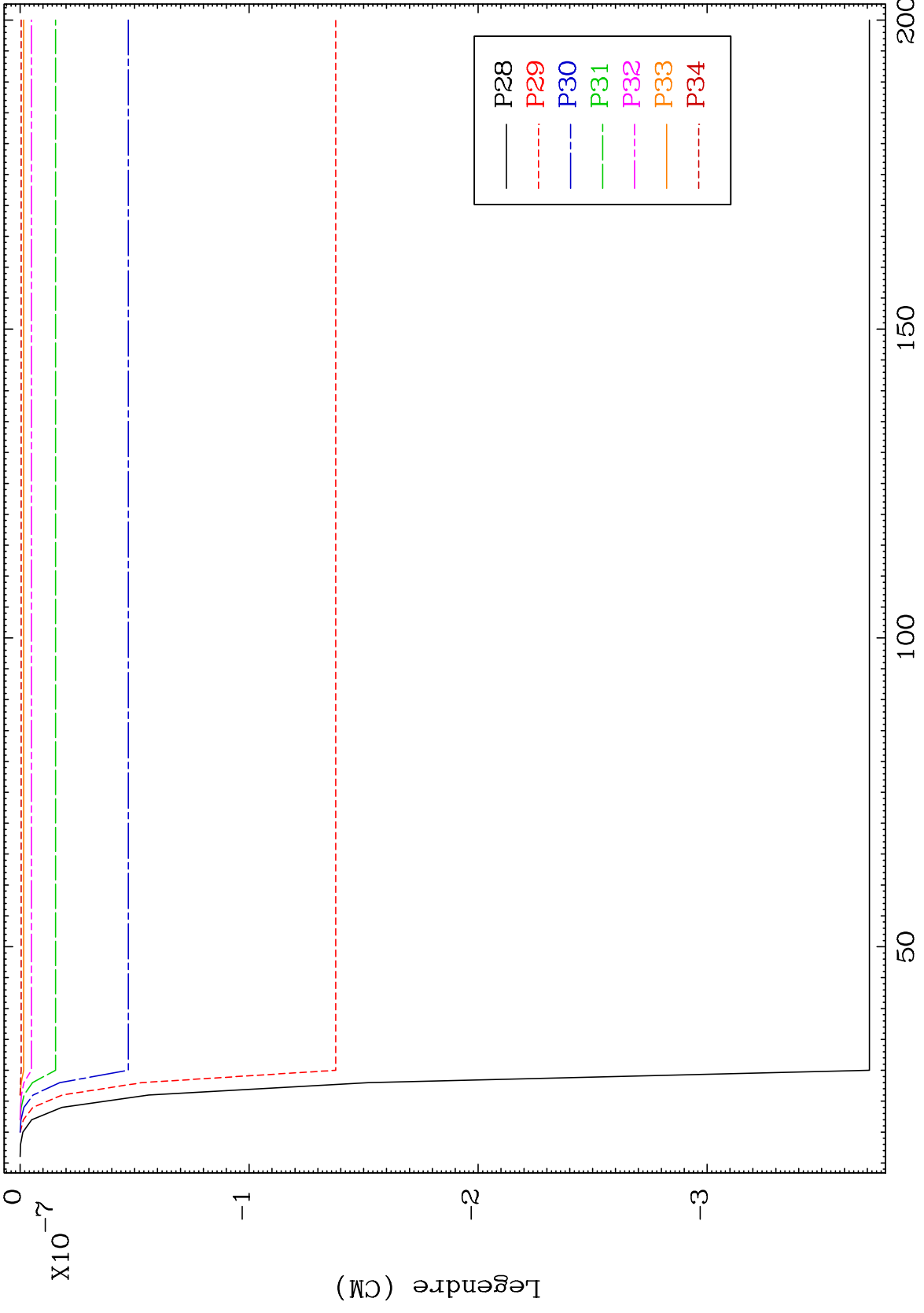


131

Incident Energy (MeV)

45-Rh-105

MAT 4531 MT= 79 (n,n') Level Legendre Coefficients 45-Rh-105

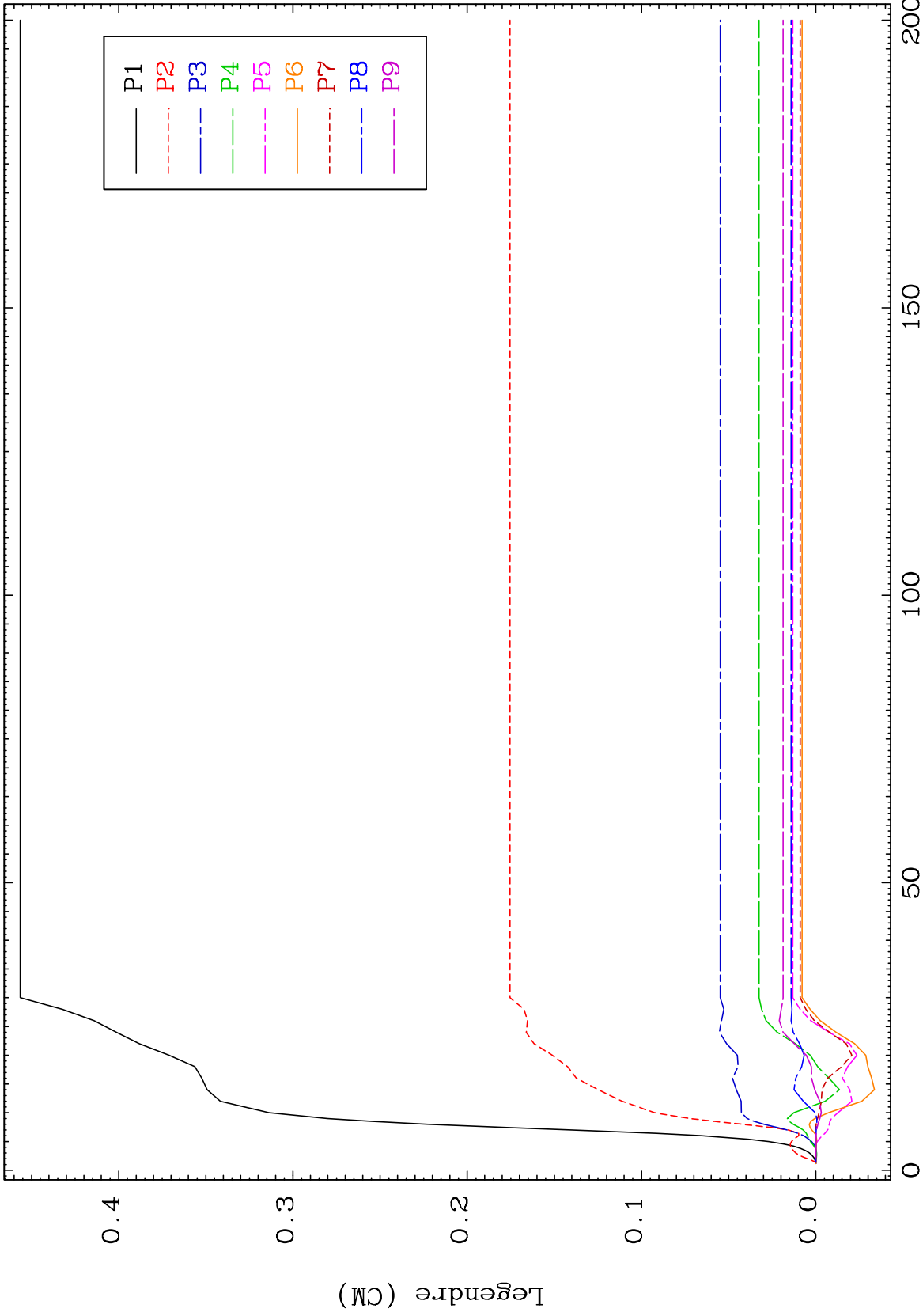


132 45-Rh-105

MAT 4531

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

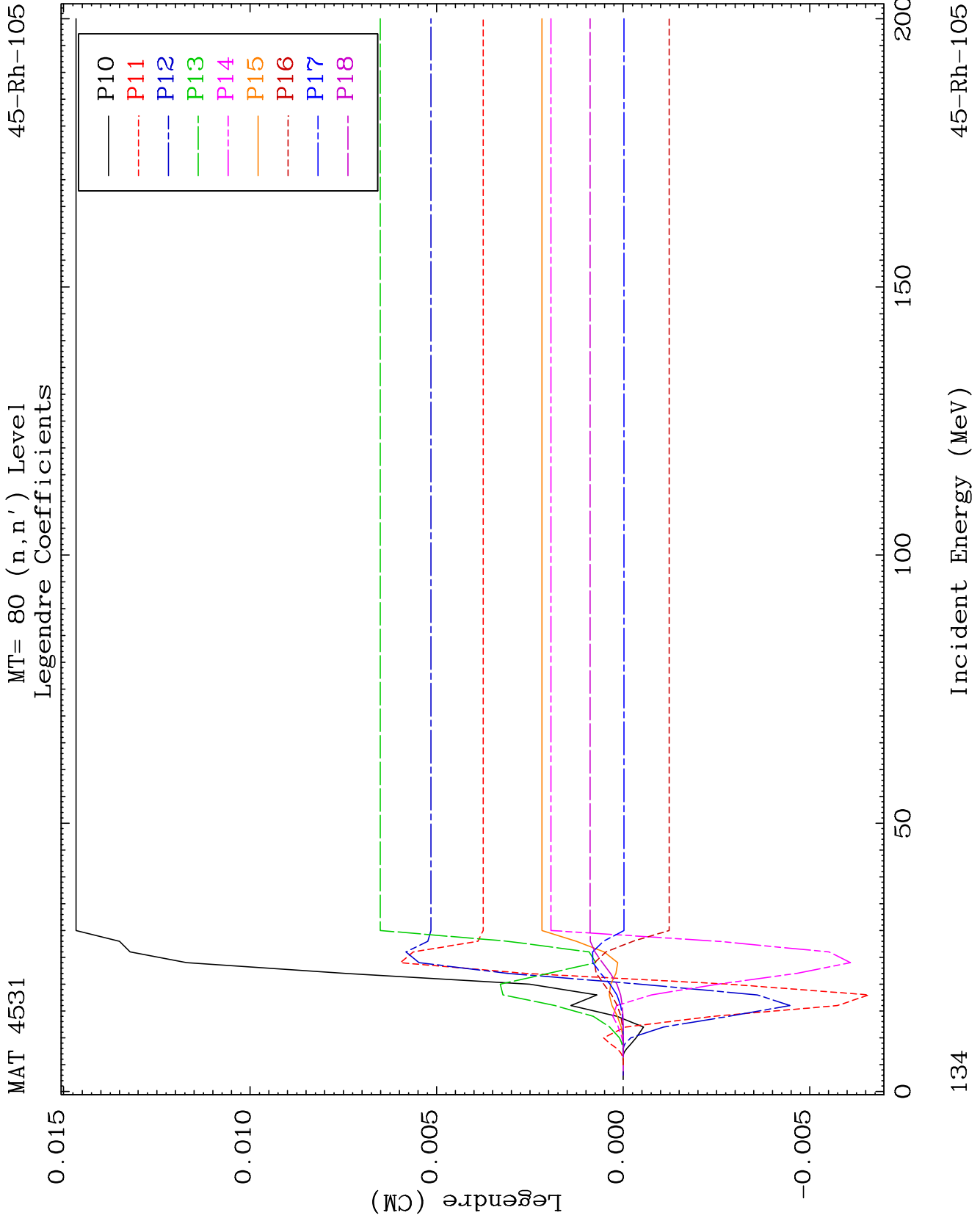
45-Rh-105



133

Incident Energy (MeV)

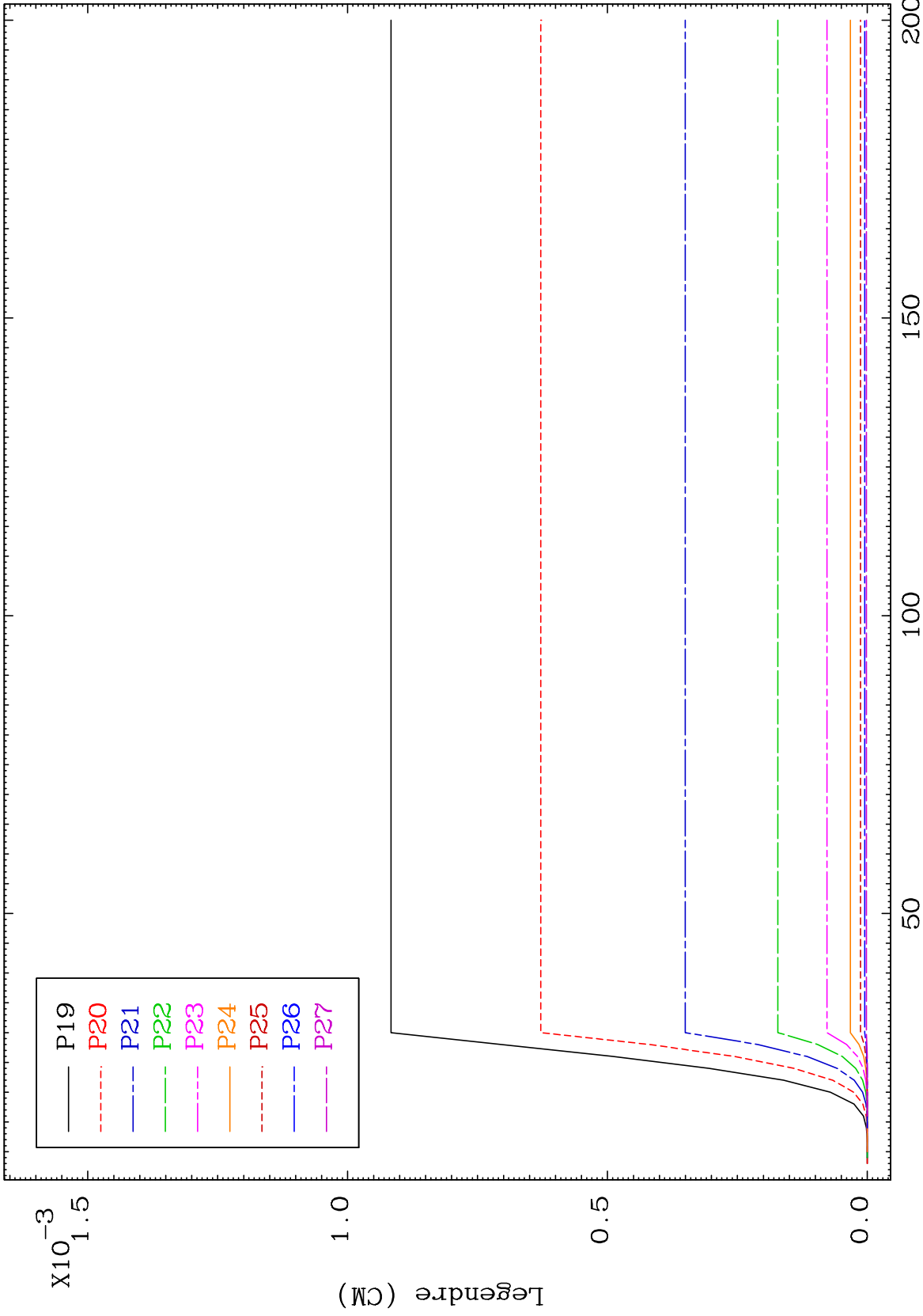
45-Rh-105



MAT 4531

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

45-Rh-105



135

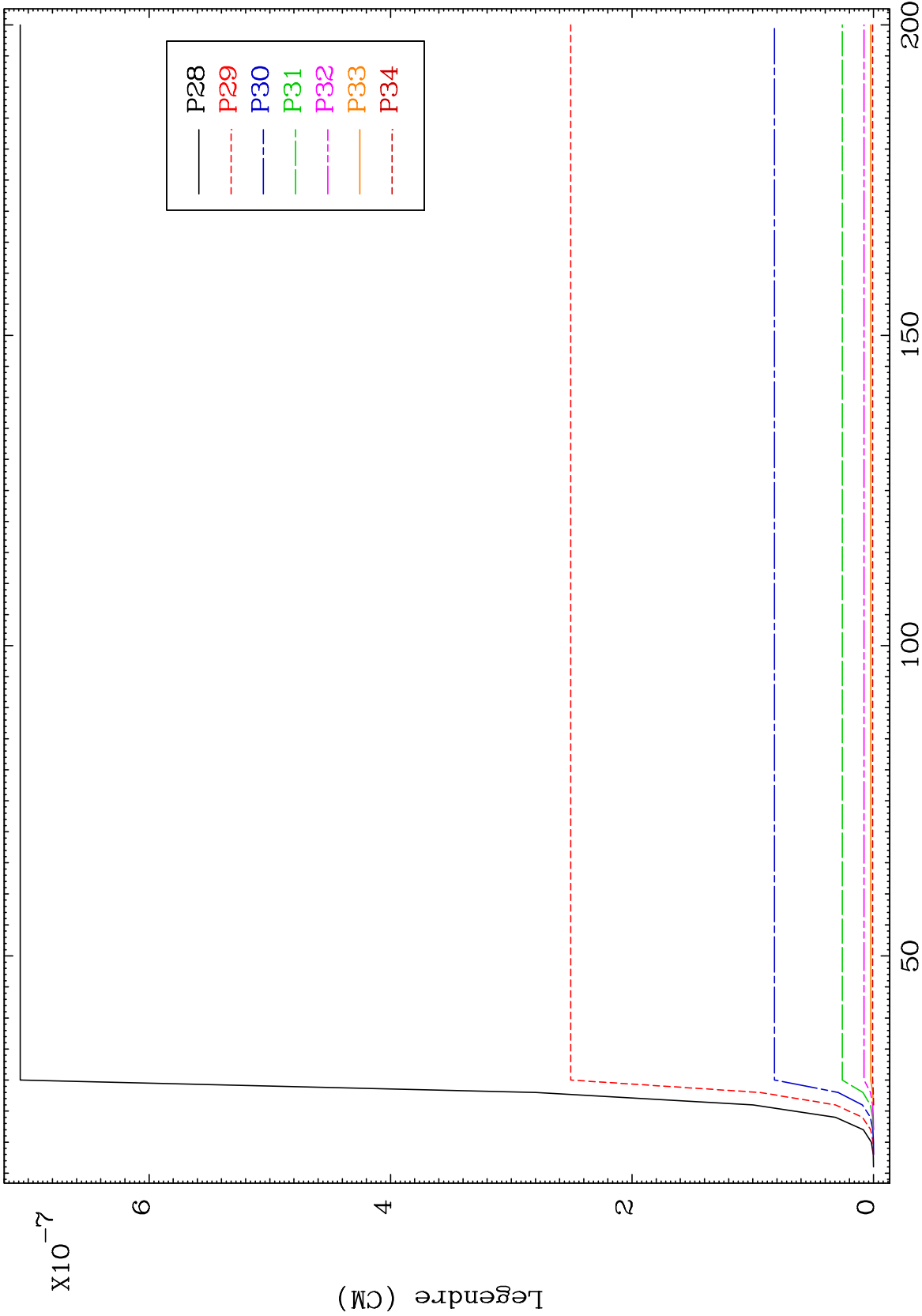
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



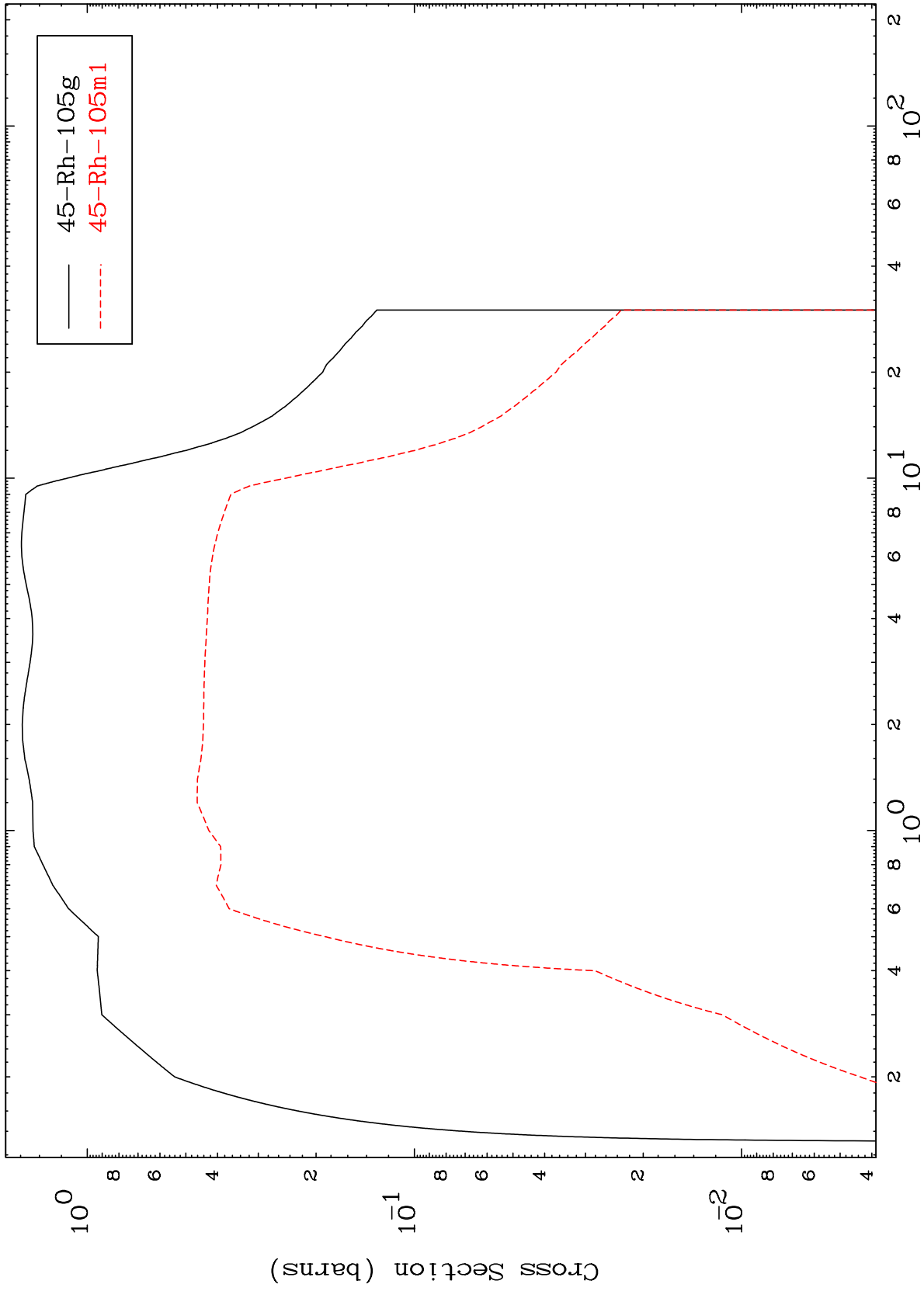
136

45-Rh-105

MAT 4531

Inelastic
Radionuclide Production Cross Section

45-Rh-105



137

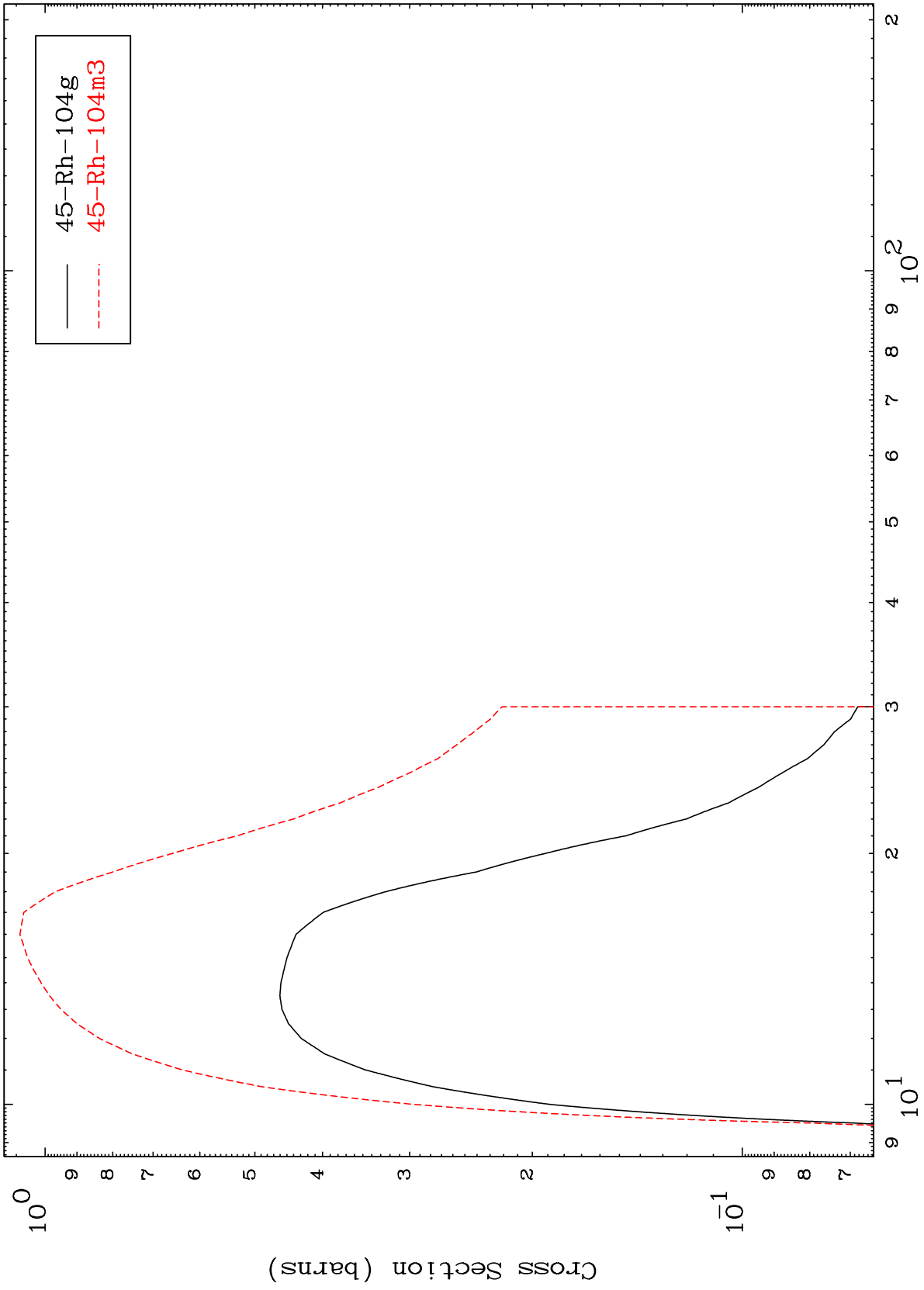
Incident Energy (MeV)

45-Rh-105

MAT 4531

45-Rh-105

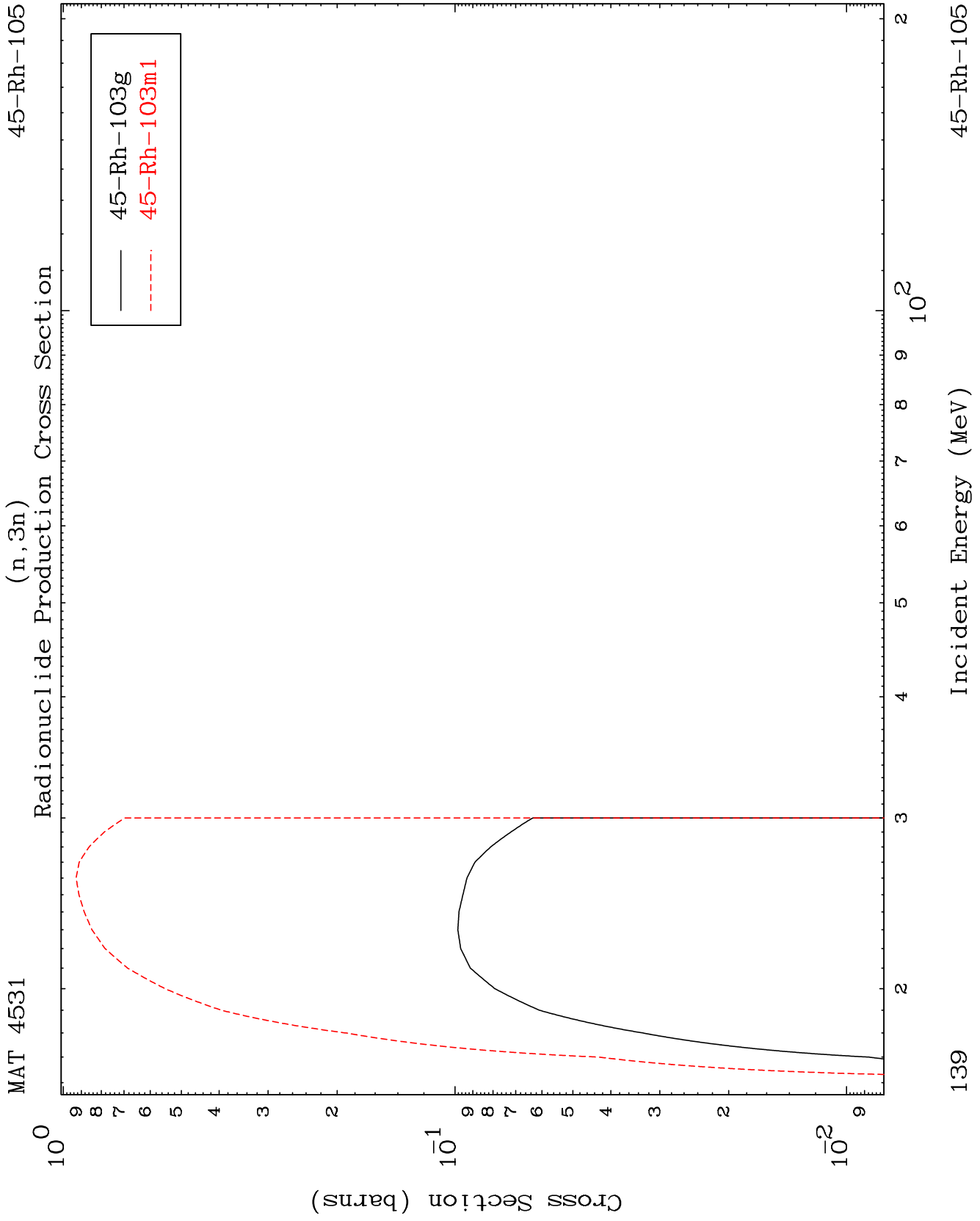
(n,2n)
Radionuclide Production Cross Section



138

Incident Energy (MeV)

45-Rh-105

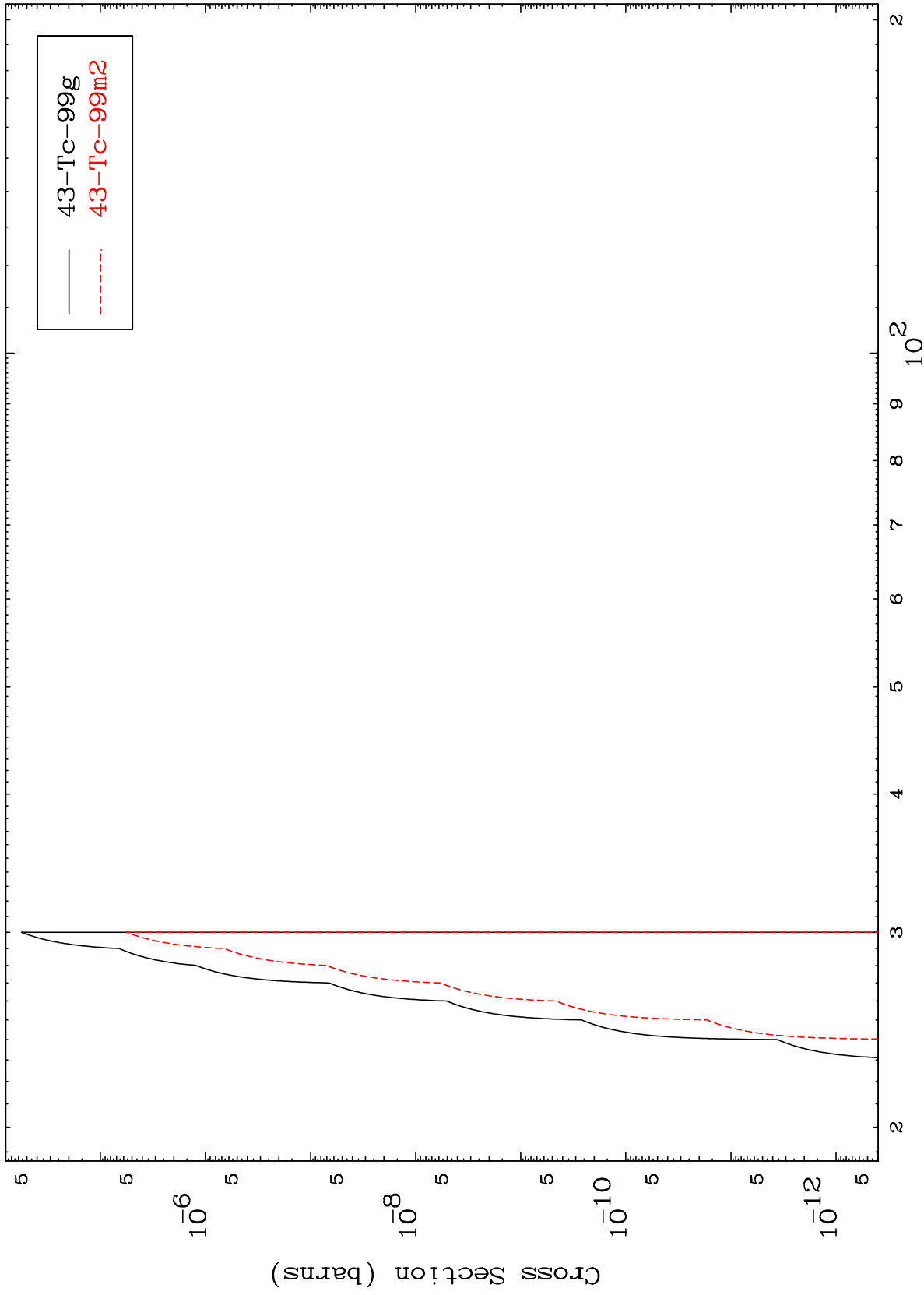


MAT 4531

(n,3n) α

45-Rh-105

Radionuclide Production Cross Section



140

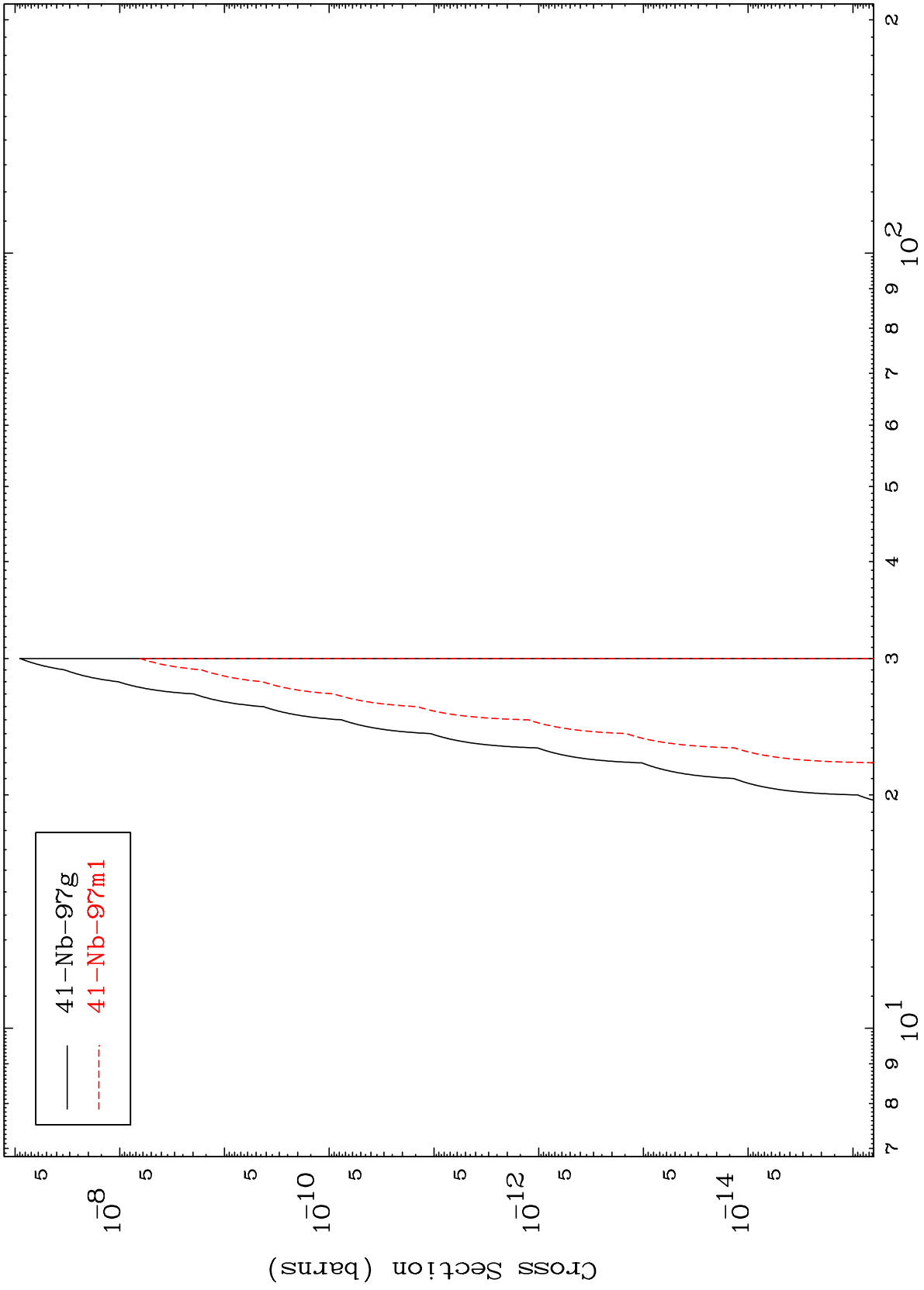
Incident Energy (MeV)

45-Rh-105

MAT 4531

45-Rh-105

(n,n') 2α
Radionuclide Production Cross Section



141

Incident Energy (MeV)

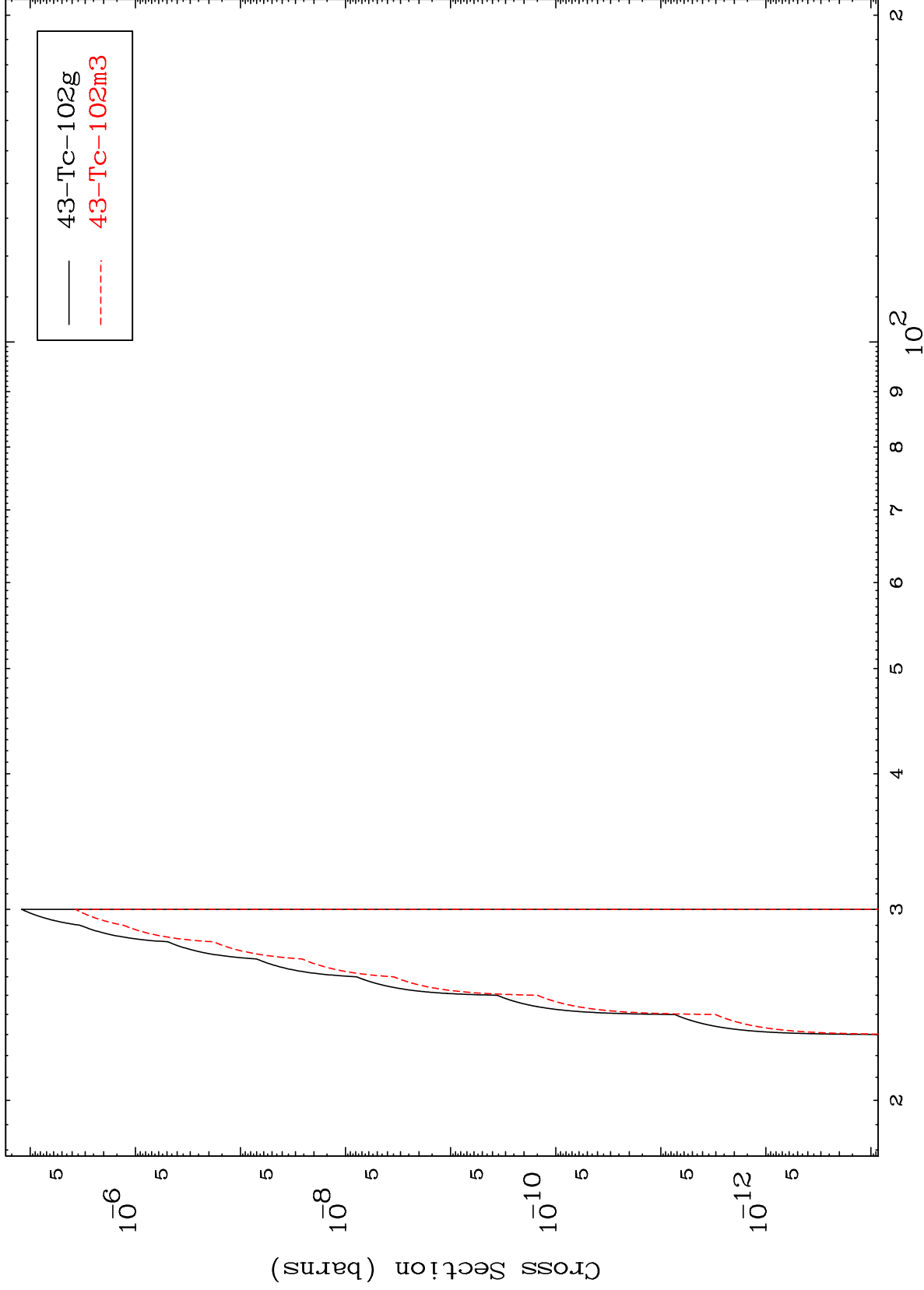
45-Rh-105

MAT 4531

(n, n') He-3

45-Rh-105

Radionuclide Production Cross Section



142

Incident Energy (MeV)

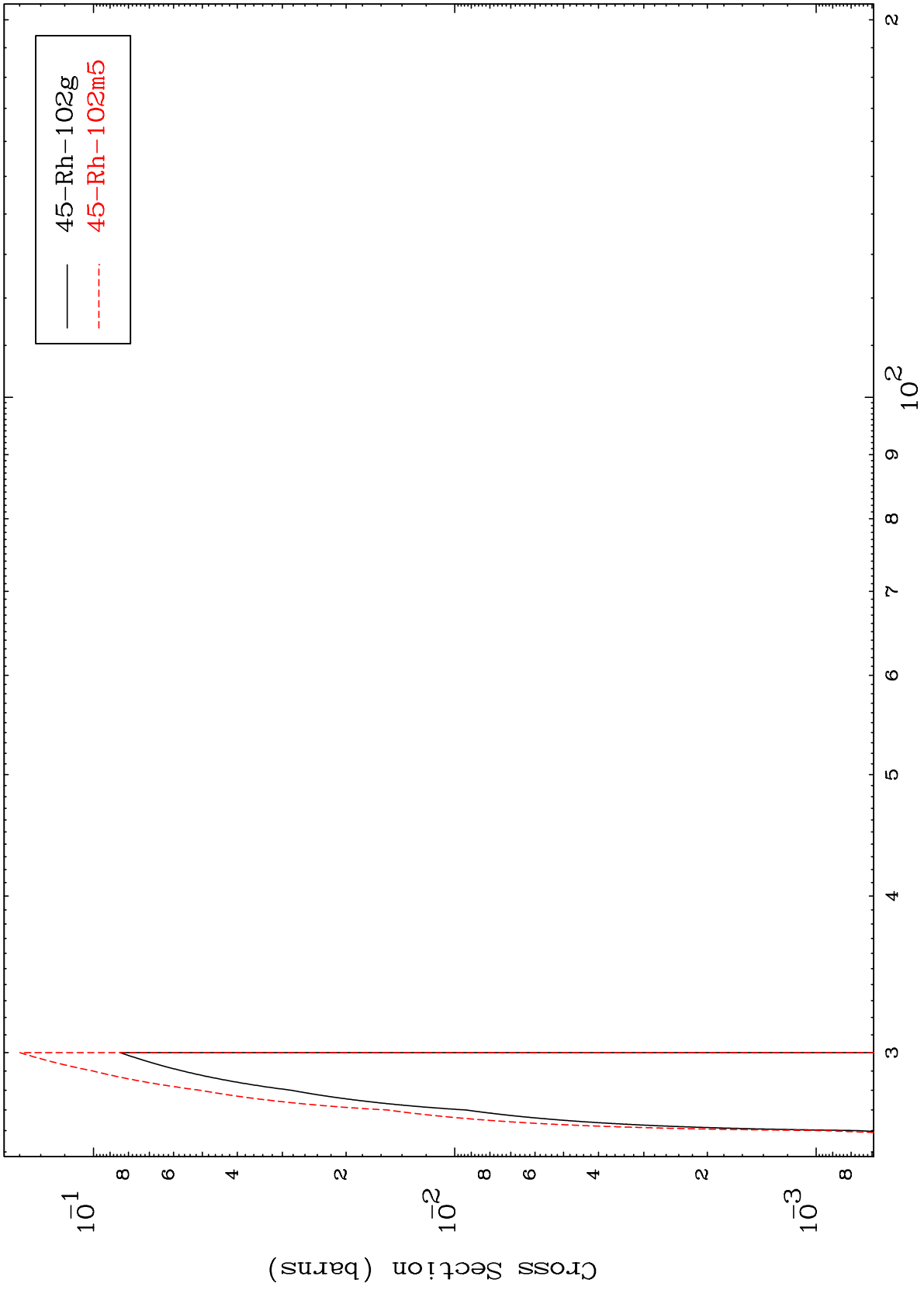
45-Rh-105

MAT 4531

(n,4n)

45-Rh-105

Radionuclide Production Cross Section



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

143

Incident Energy (MeV)

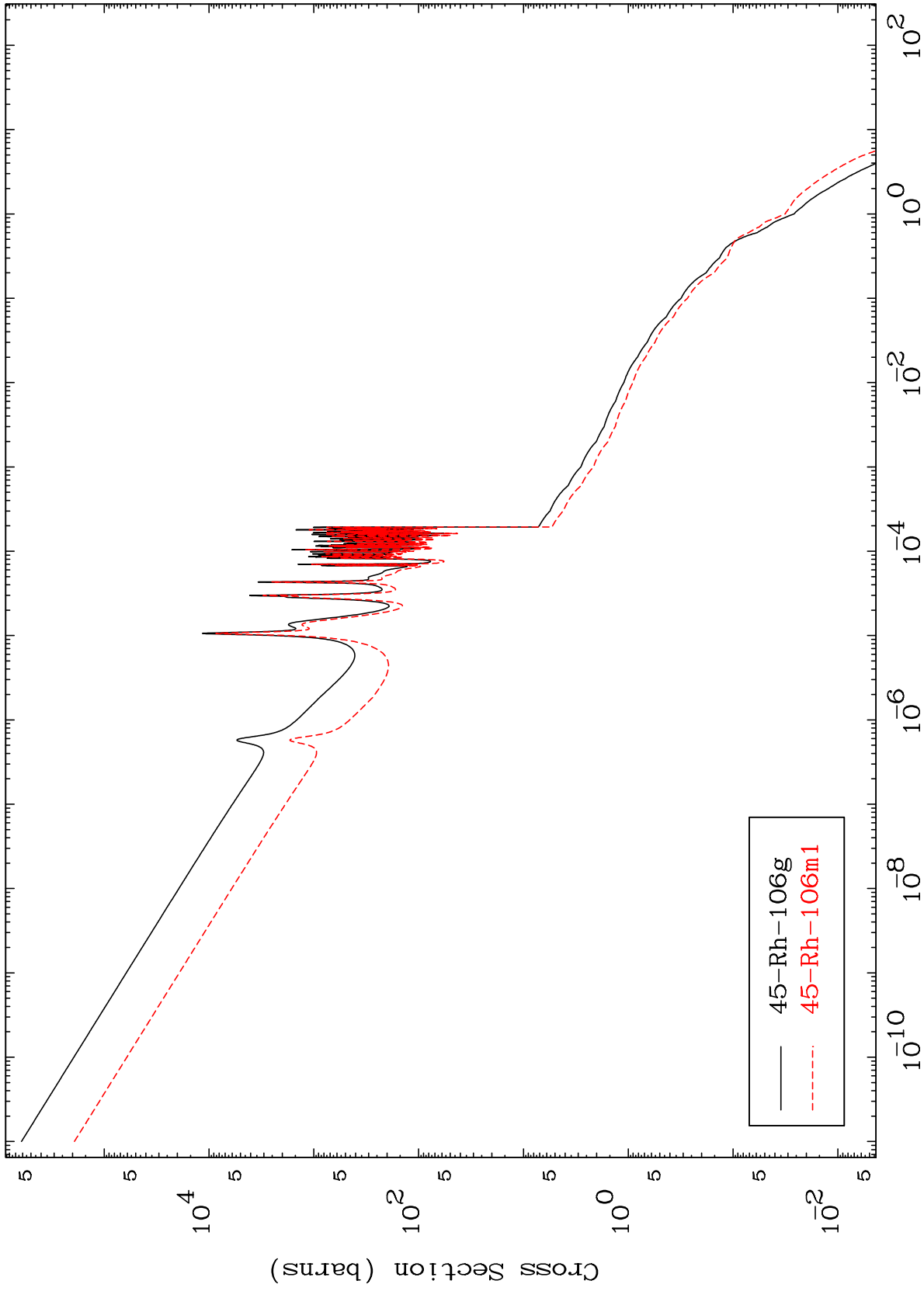
45-Rh-105

MAT 4531

45-Rh-105

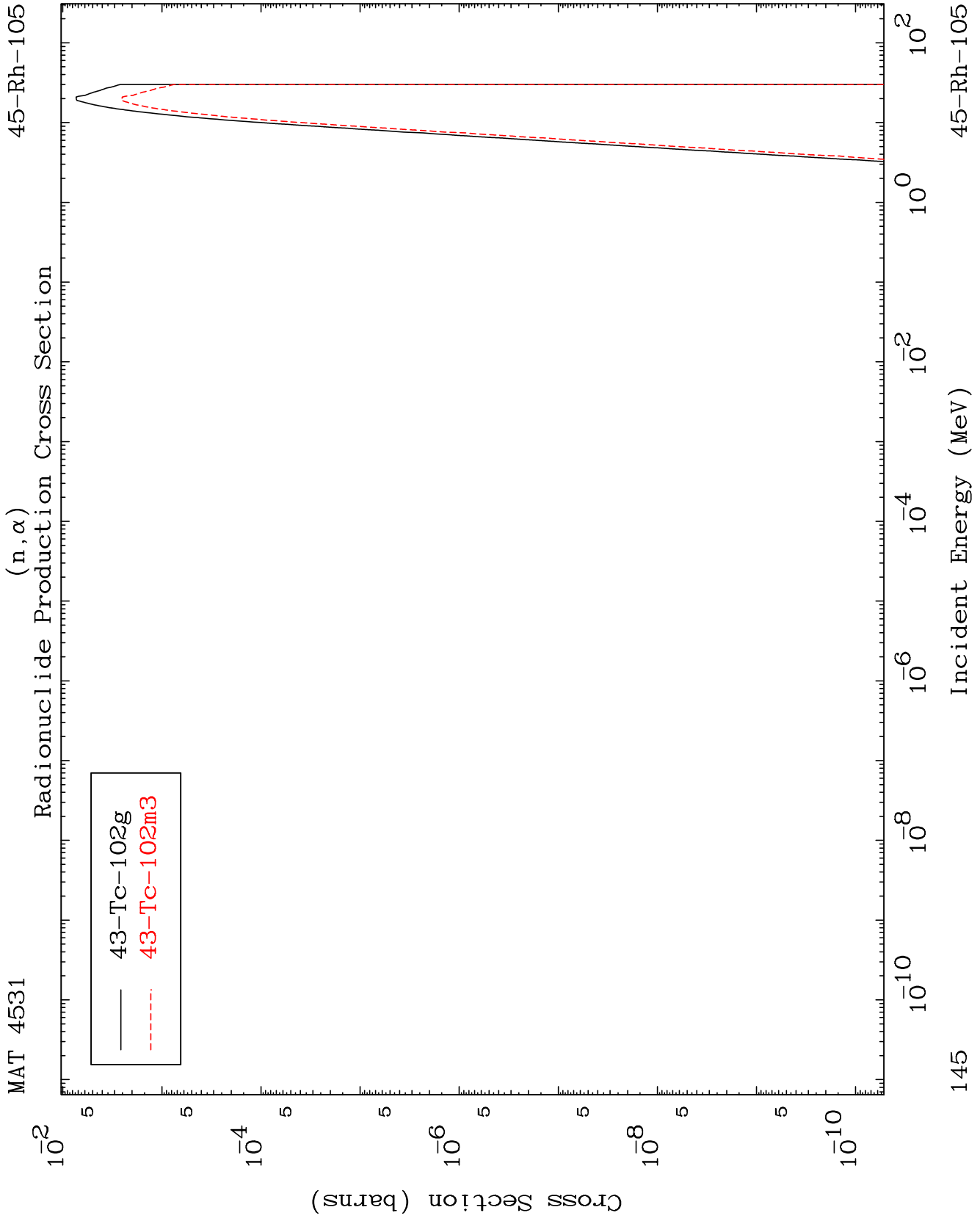
Radionuclide Production Cross Section

(n,γ)



144

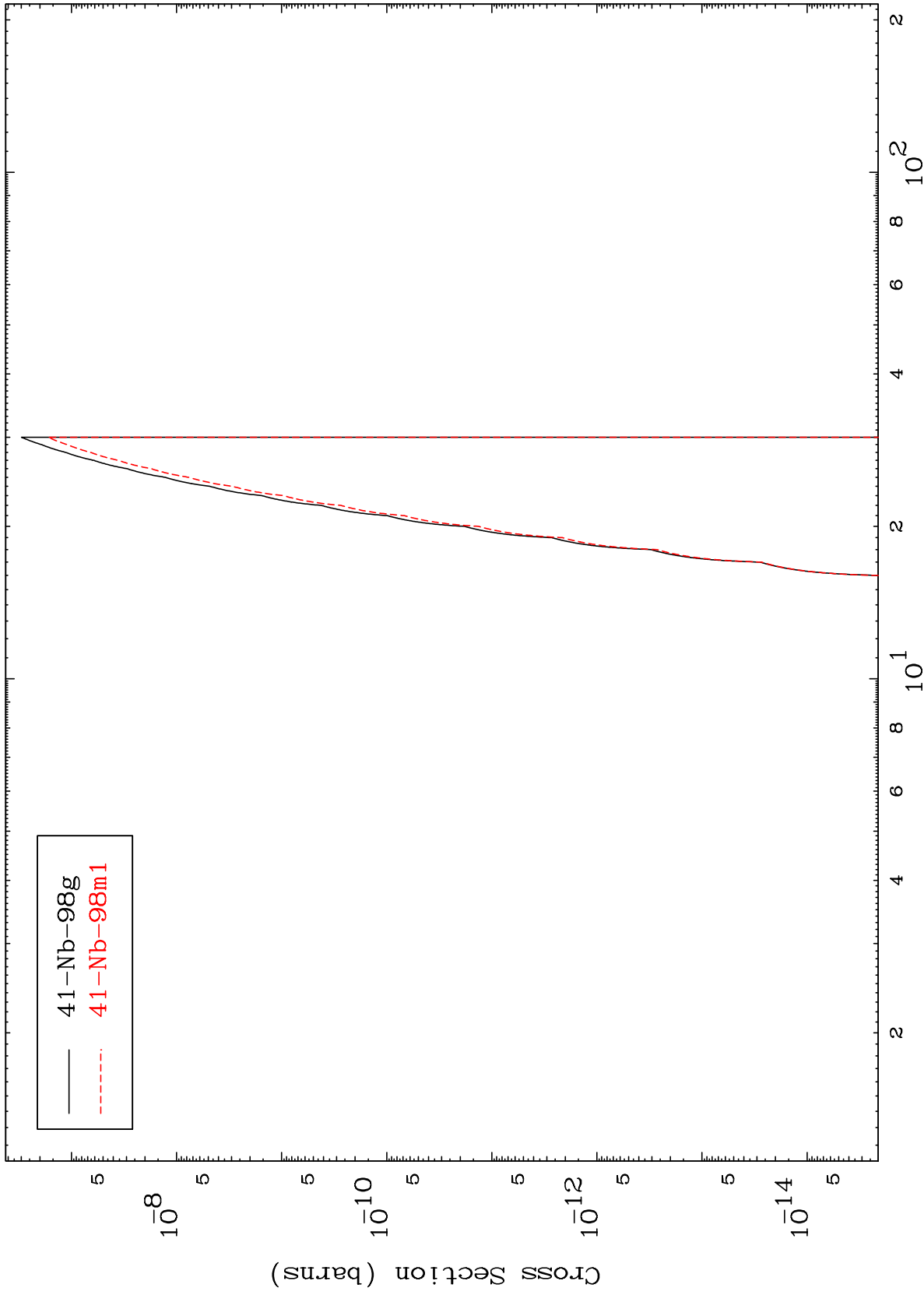
45-Rh-105



MAT 4531

45-Rh-105

Radionuclide Production Cross Section



146

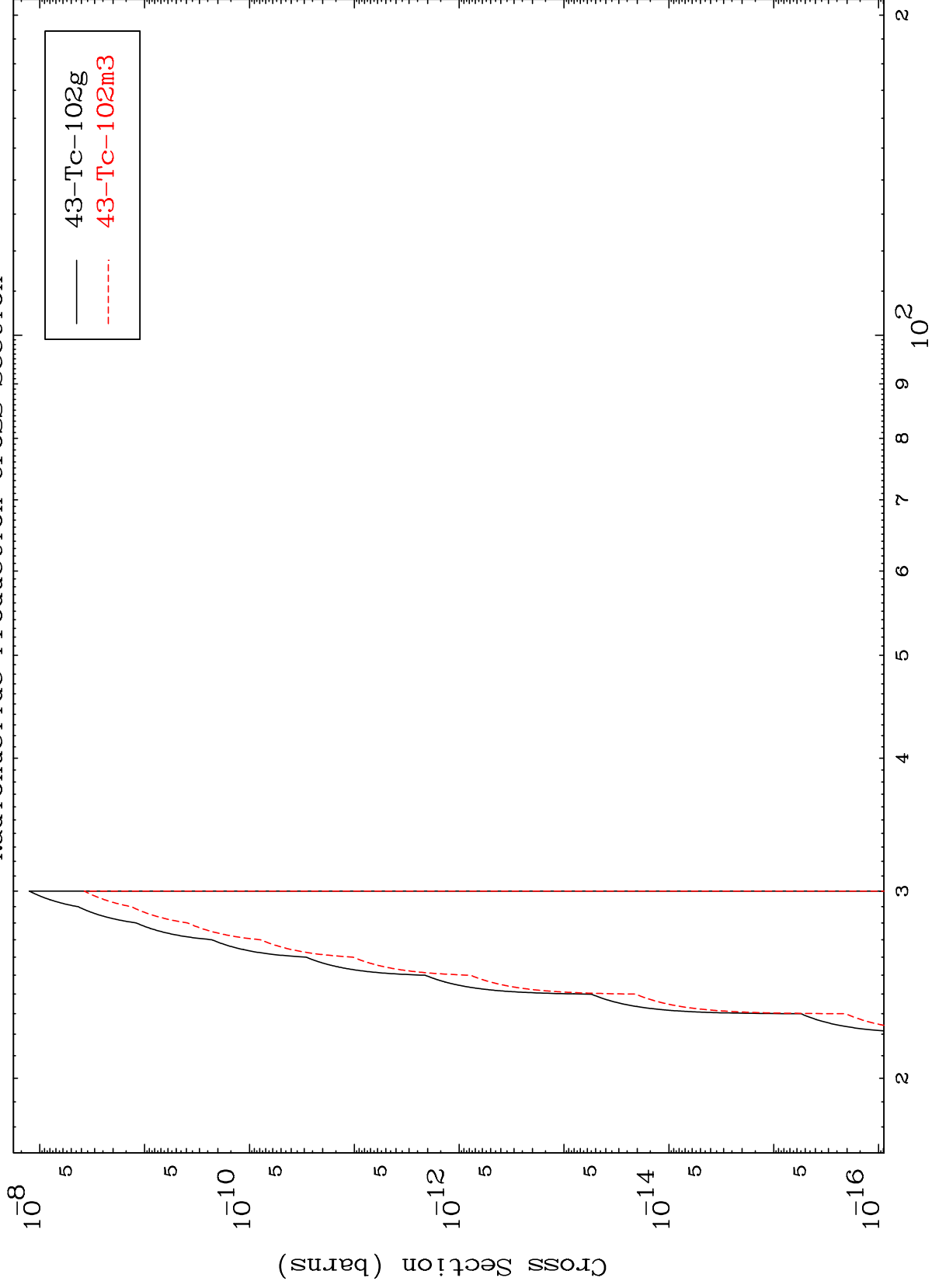
45-Rh-105

MAT 4531

(n,p) t

45-Rh-105

Radionuclide Production Cross Section



147

Incident Energy (MeV)

45-Rh-105