

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

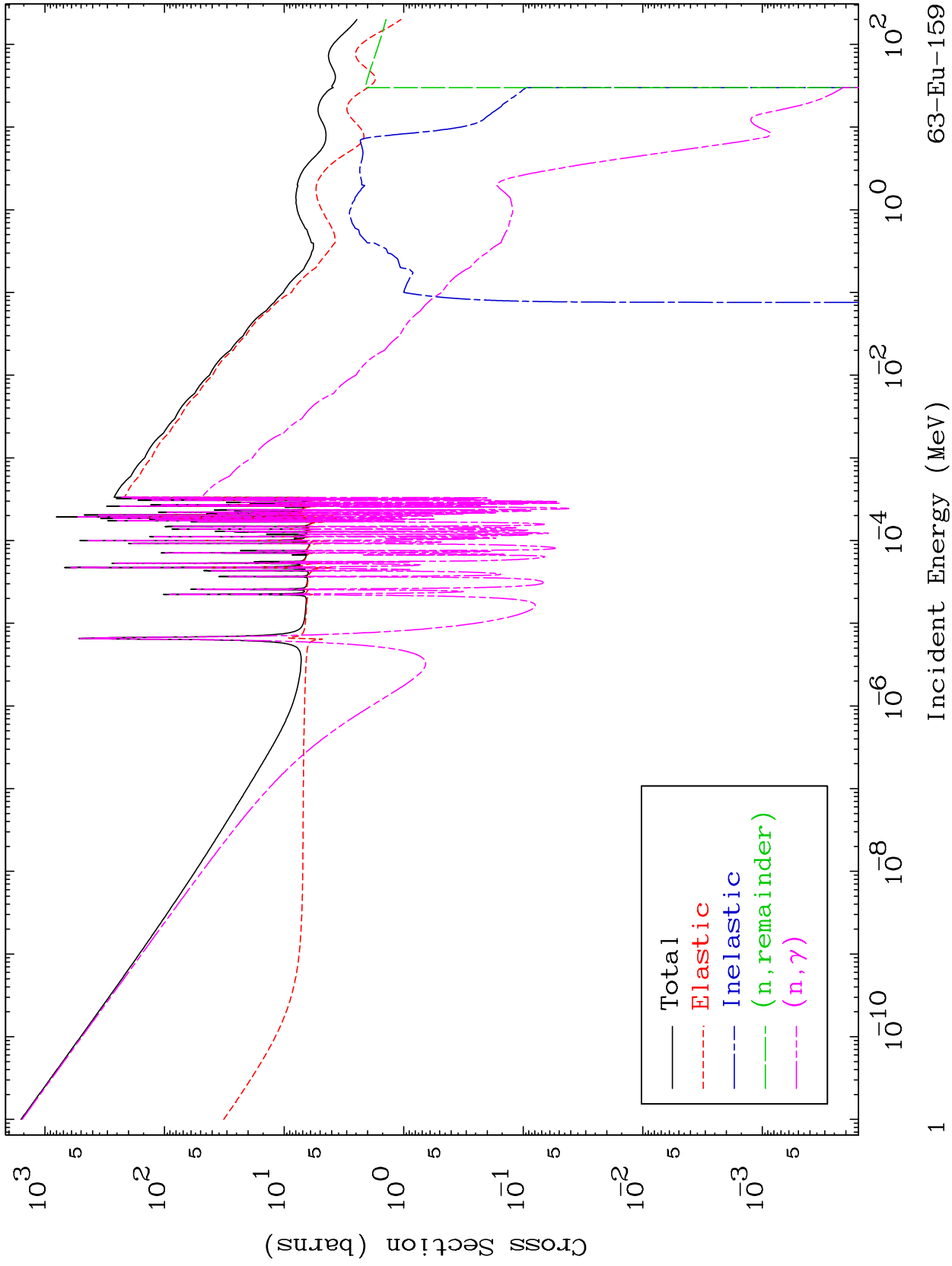
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

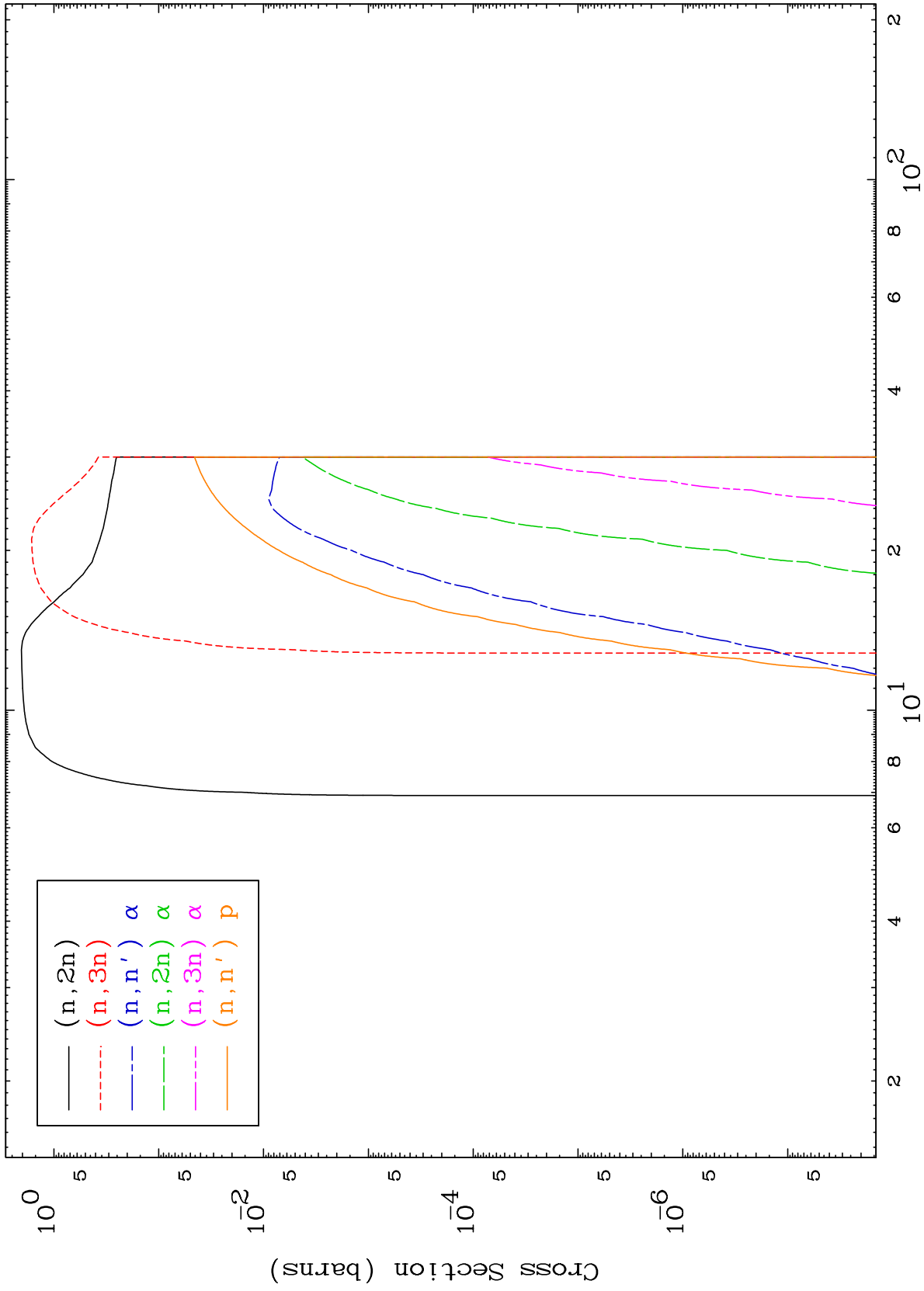
Press Mouse Button to Start

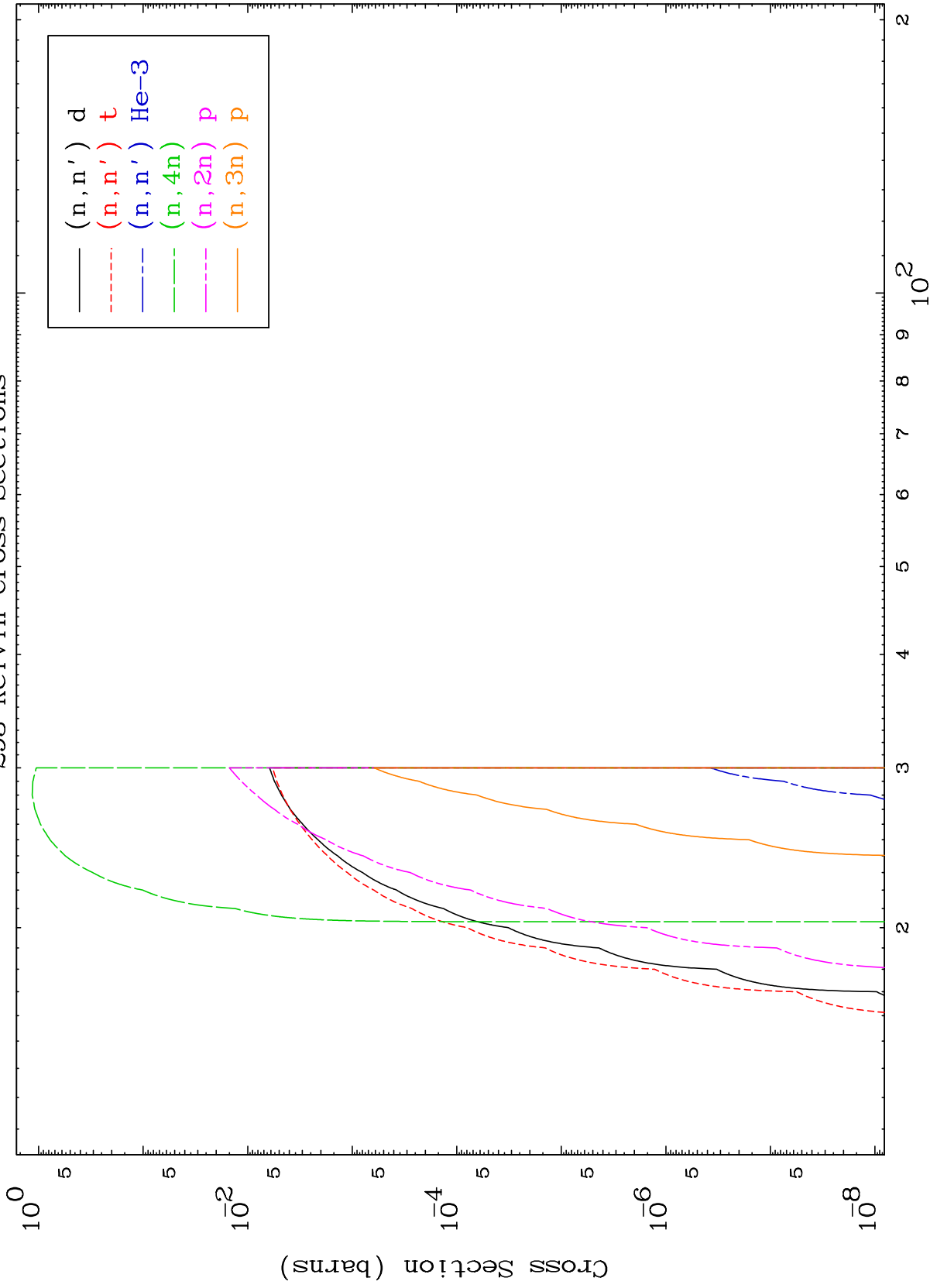
MAT 6349

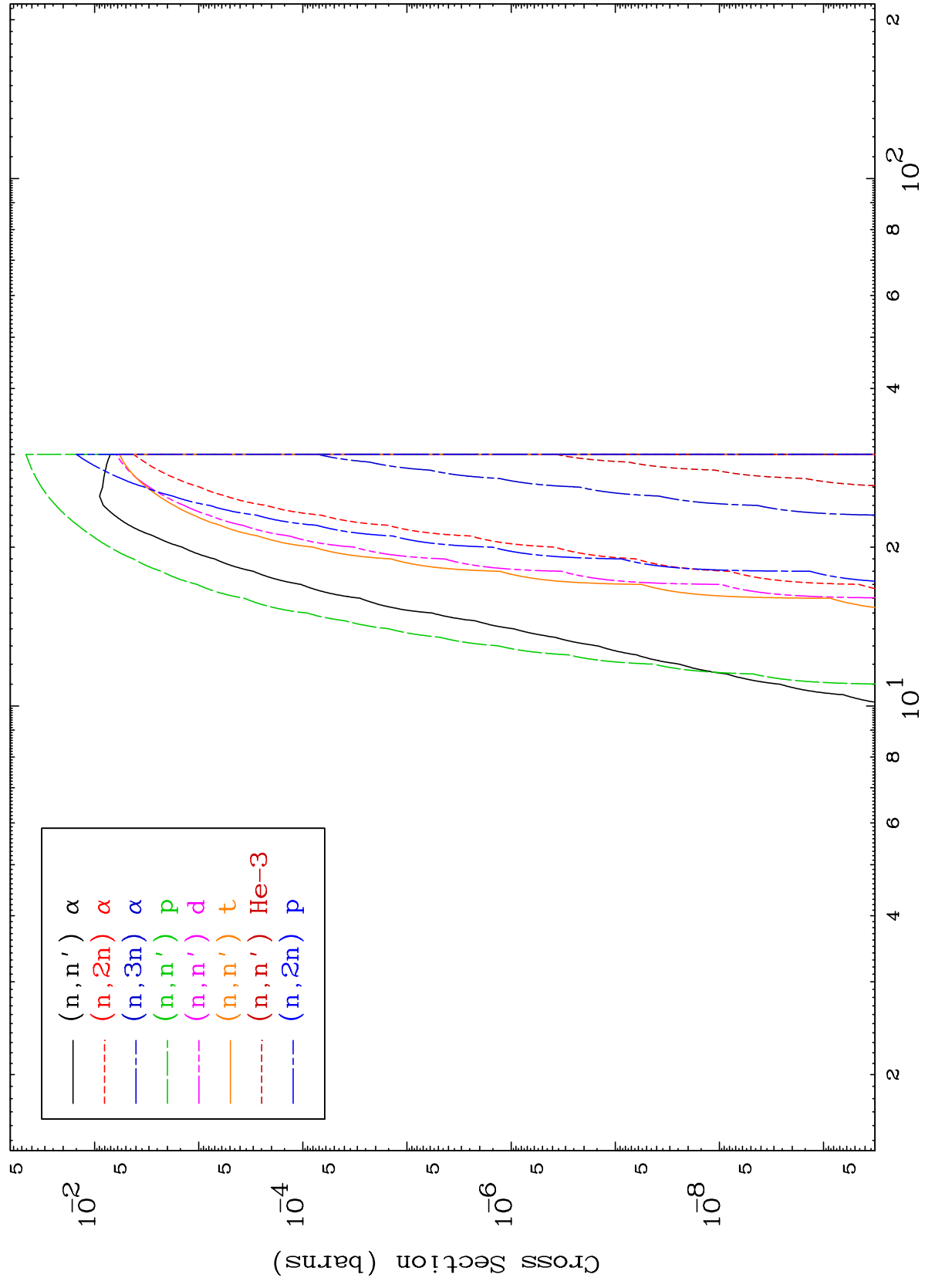
Major
293 Kelvin Cross Sections

63-Eu-159





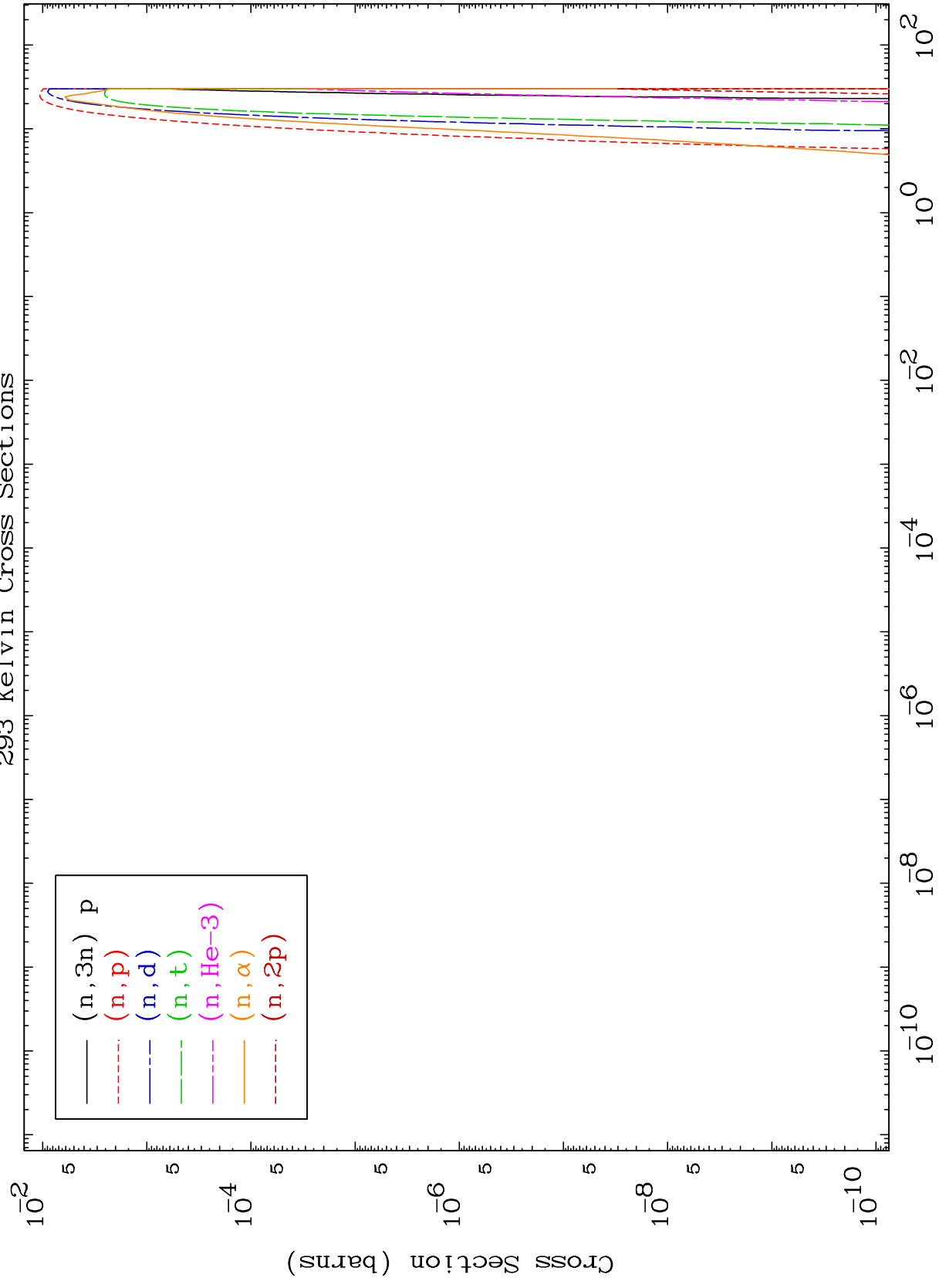




MAT 6349

Charged Particle
293 Kelvin Cross Sections

63-Eu-159



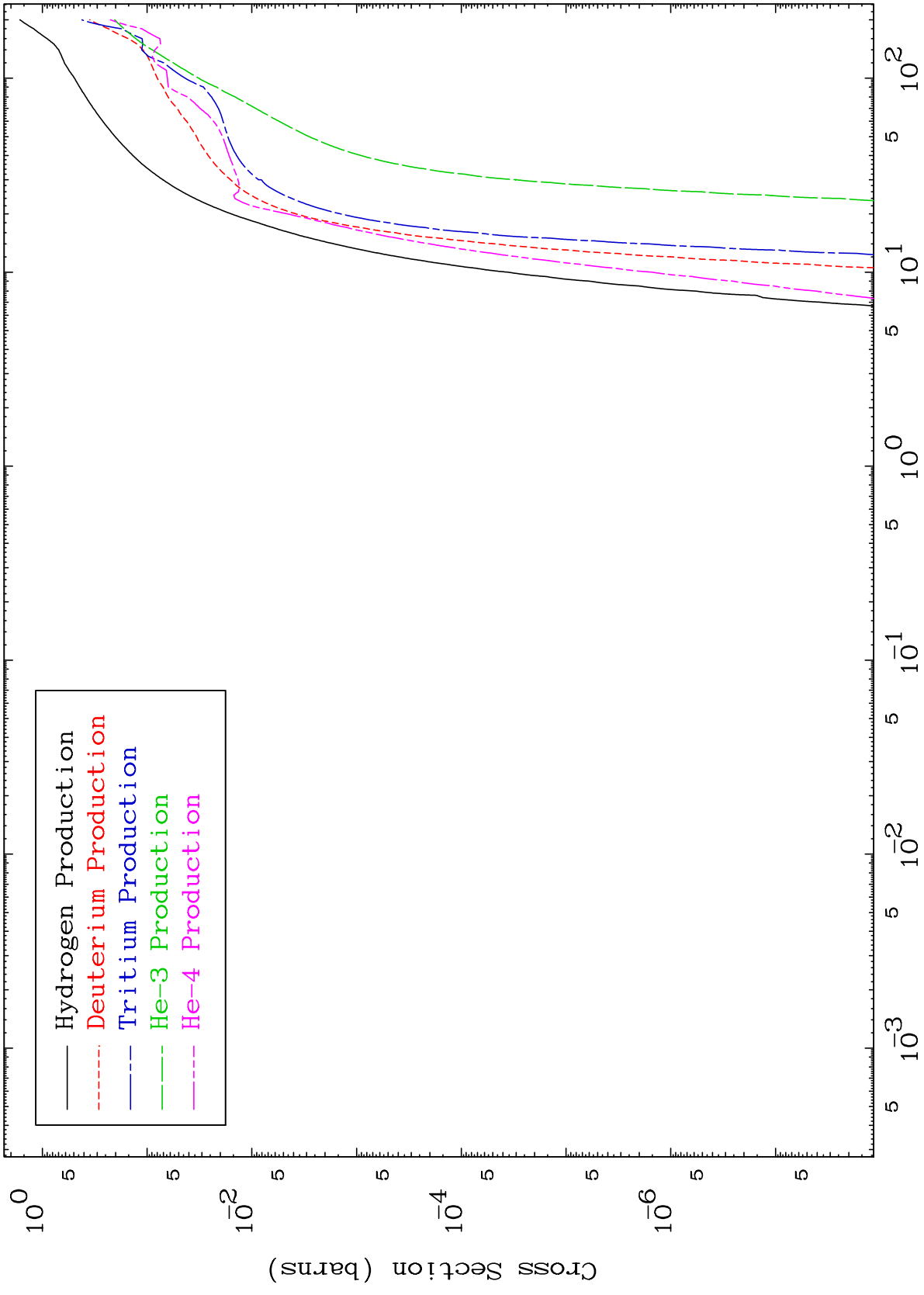
5

63-Eu-159

MAT 6349

Particle Production
293 Kelvin Cross Sections

63-Eu-159



6

Incident Energy (MeV)

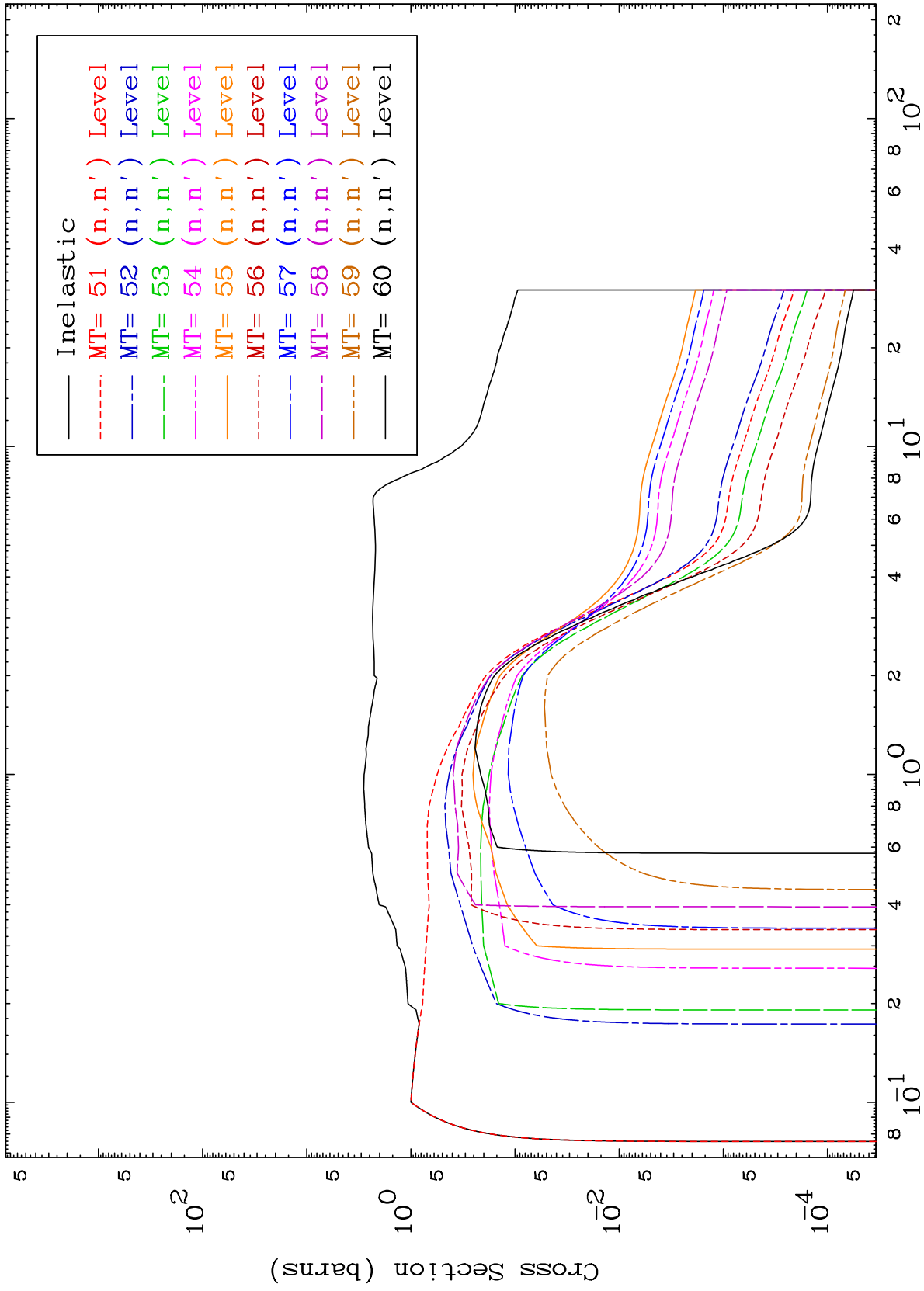
63-Eu-159

MAT 6349

(n,n') Level

63-Eu-159

293 Kelvin Cross Sections



7

Incident Energy (MeV)

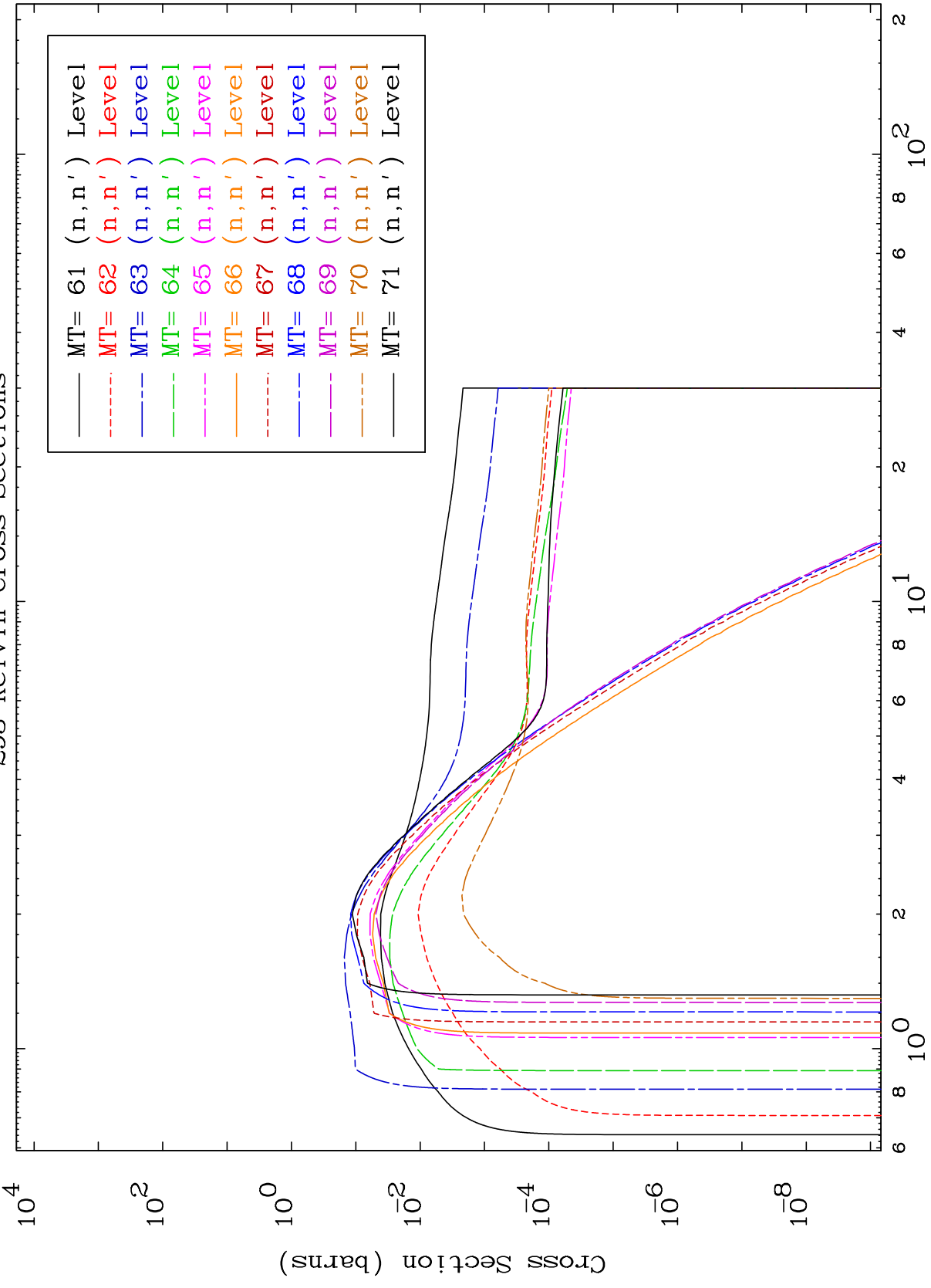
63-Eu-159

MAT 6349

(n,n') Level

63-Eu-159

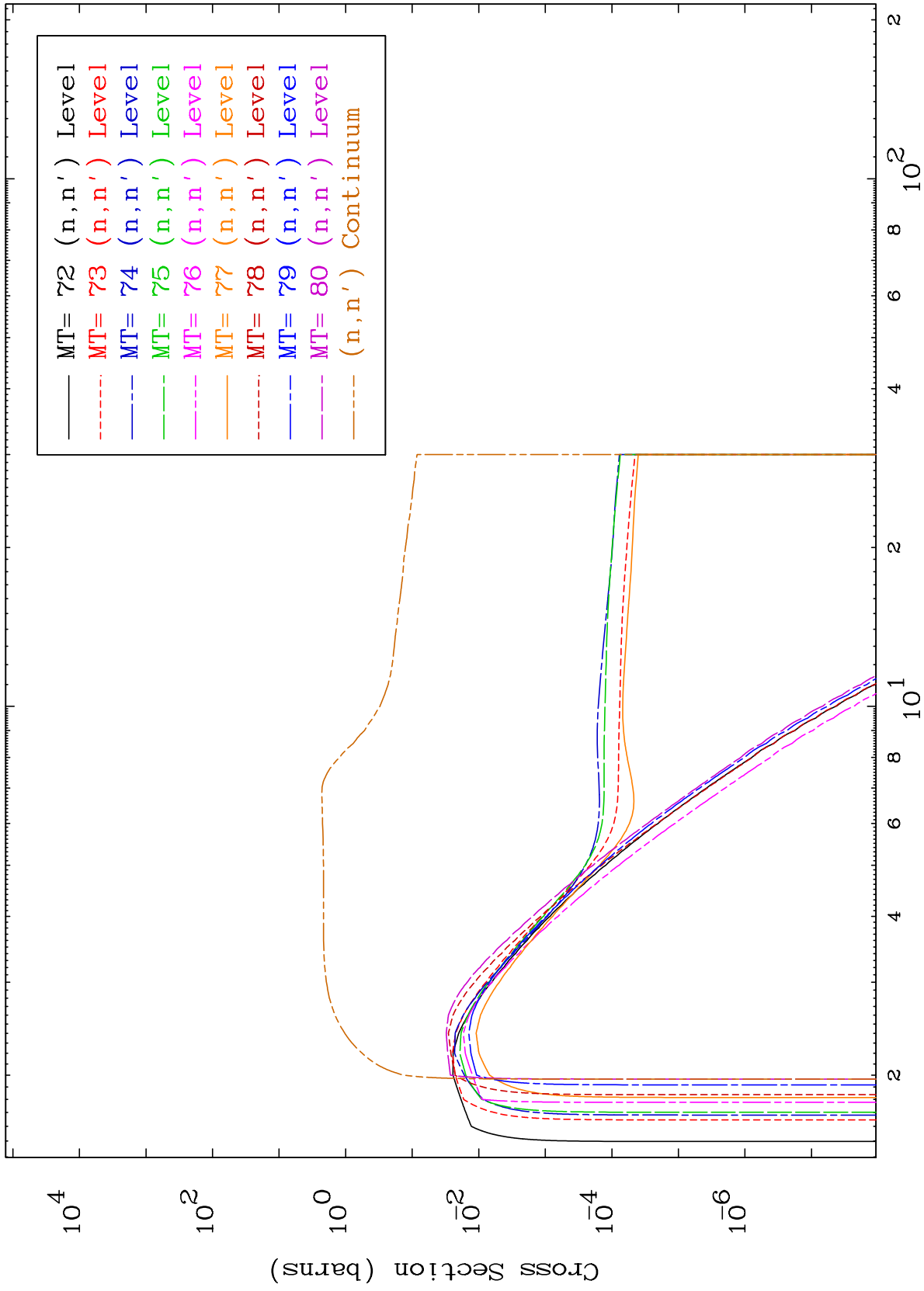
293 Kelvin Cross Sections



8

Incident Energy (MeV)

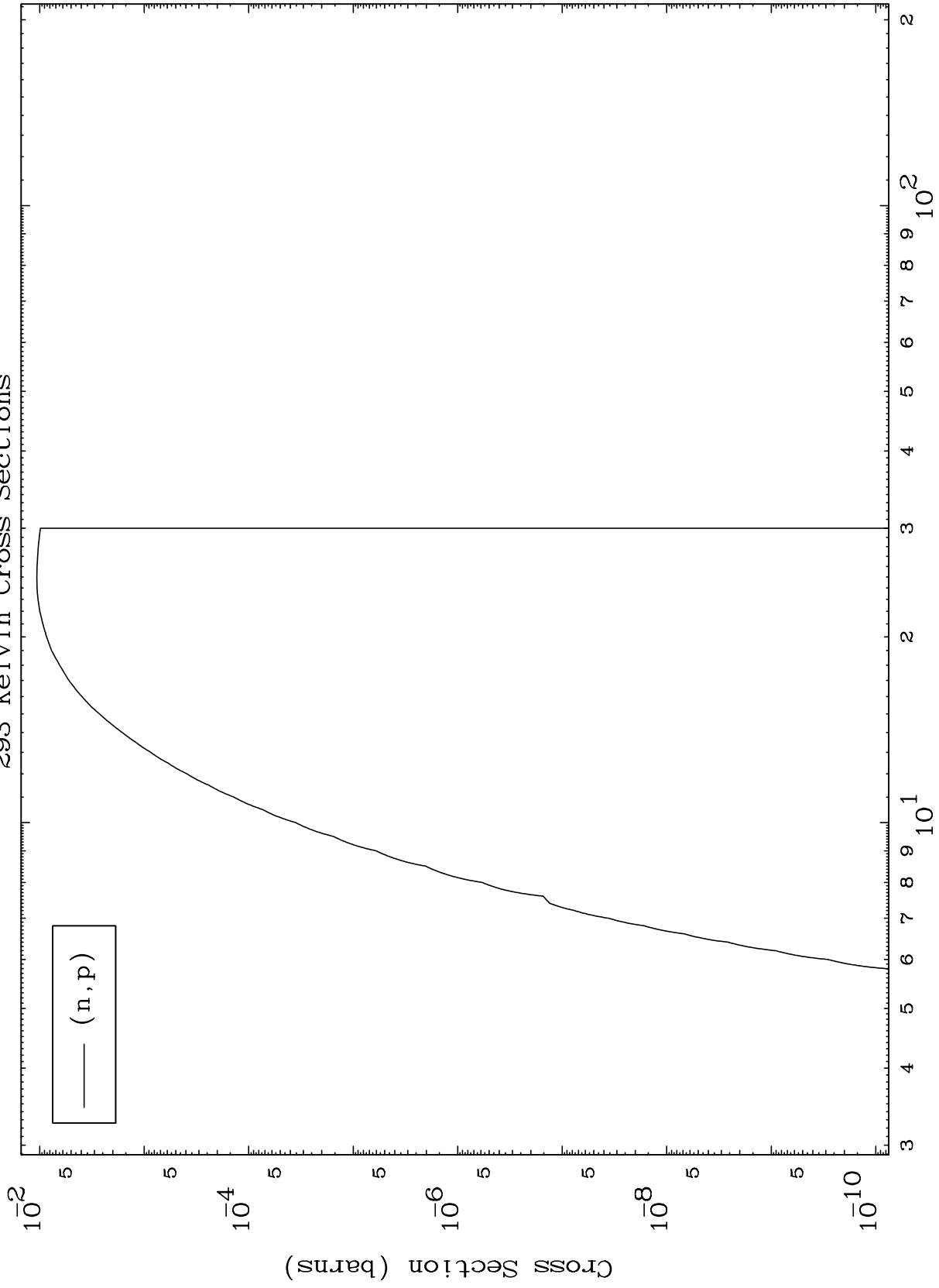
63-Eu-159



MAT 6349

(n,p) Levels
293 Kelvin Cross Sections

63-Eu-159



10

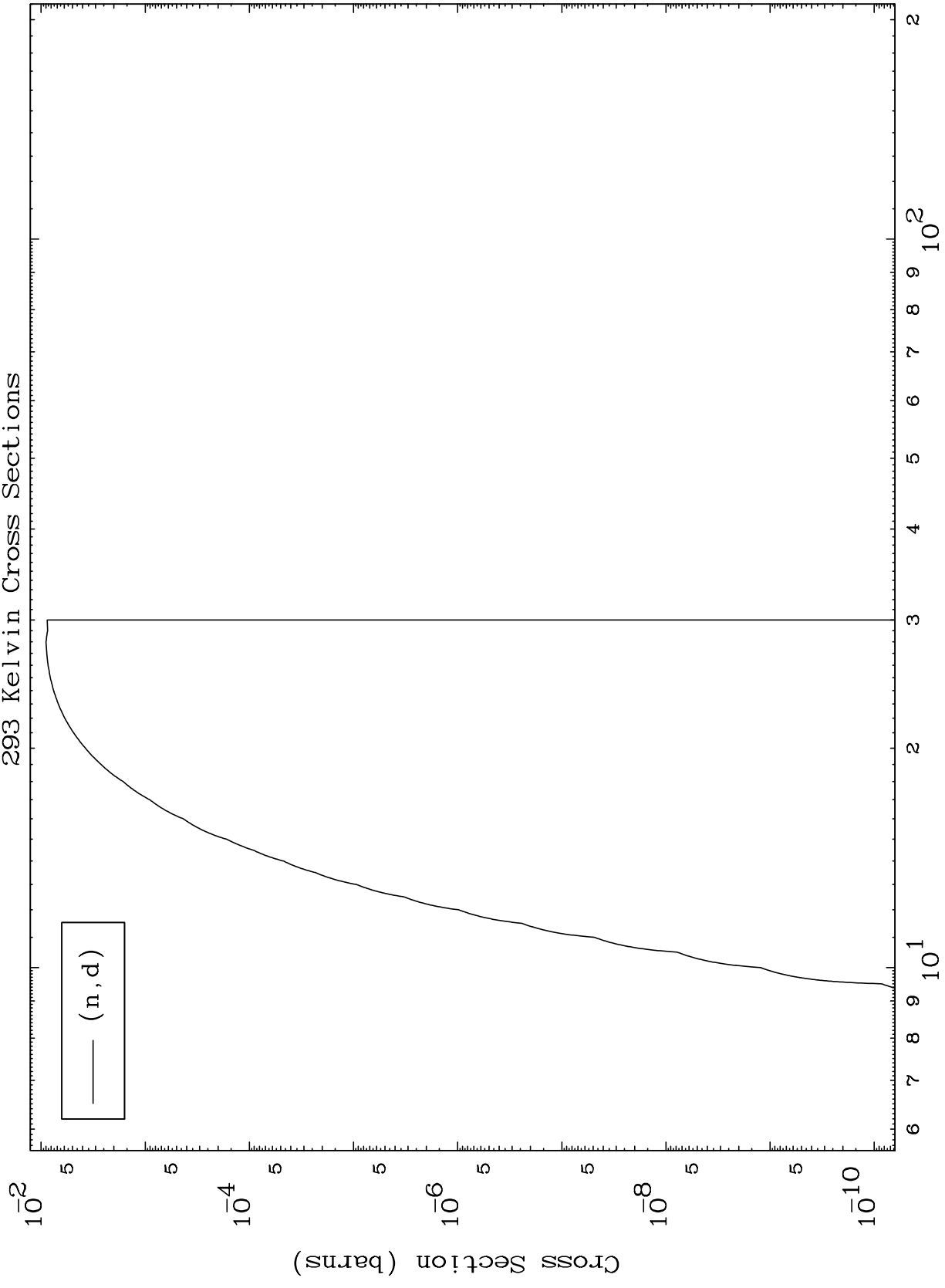
Incident Energy (MeV)

63-Eu-159

MAT 6349

(n,d) Levels
293 Kelvin Cross Sections

63-Eu-159



11

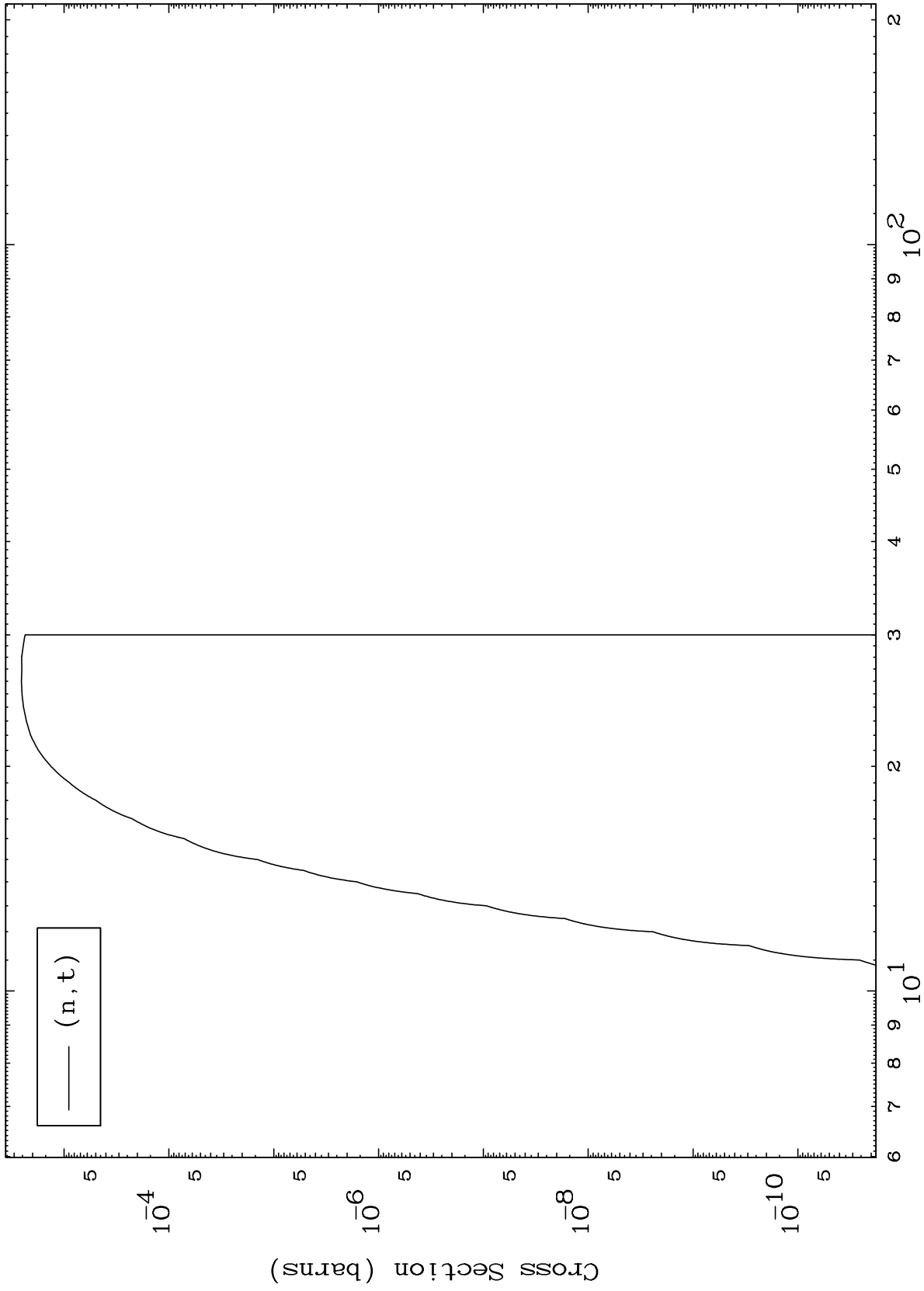
Incident Energy (MeV)

63-Eu-159

MAT 6349

(n,t) Levels
293 Kelvin Cross Sections

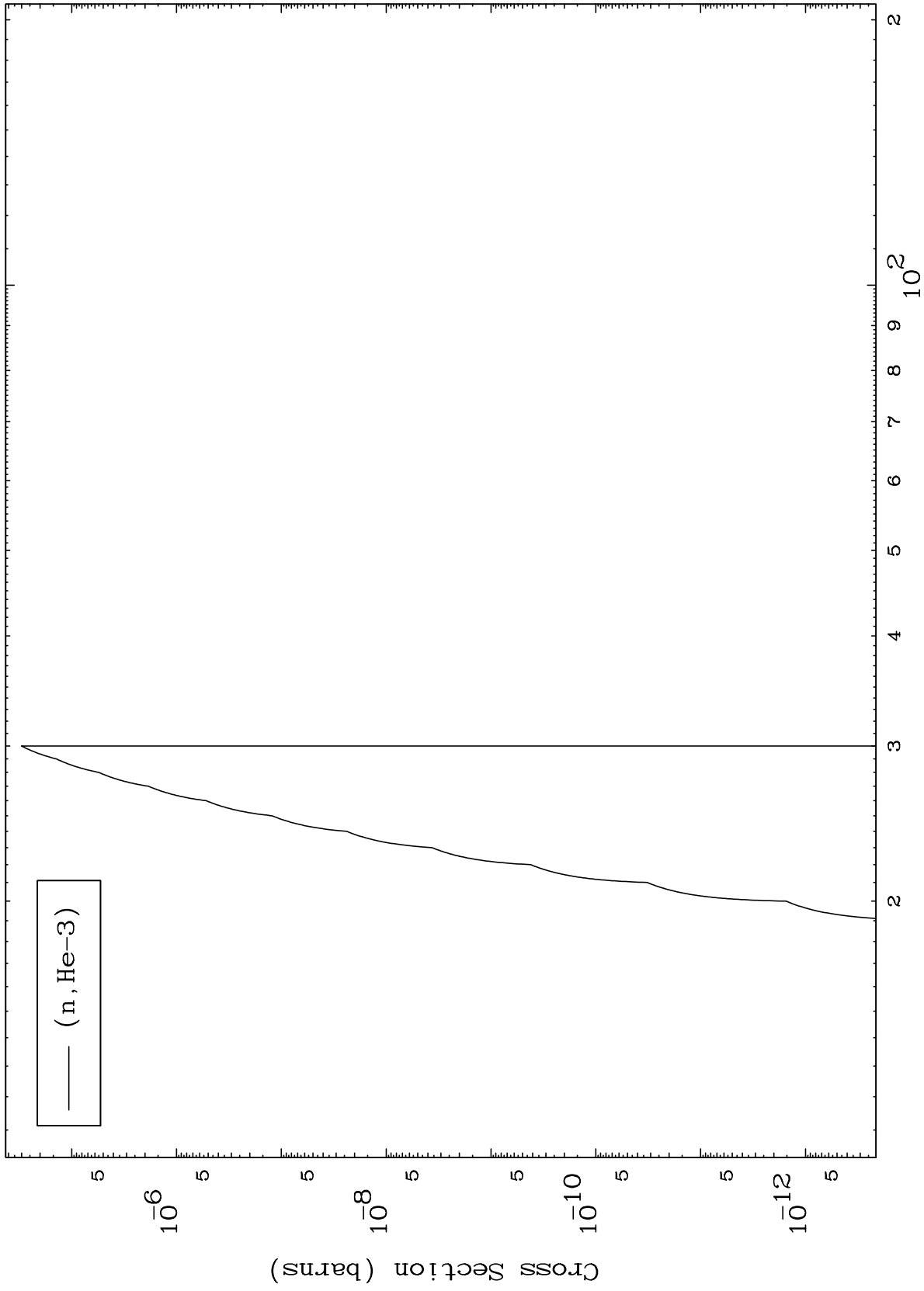
63-Eu-159



12

Incident Energy (MeV)

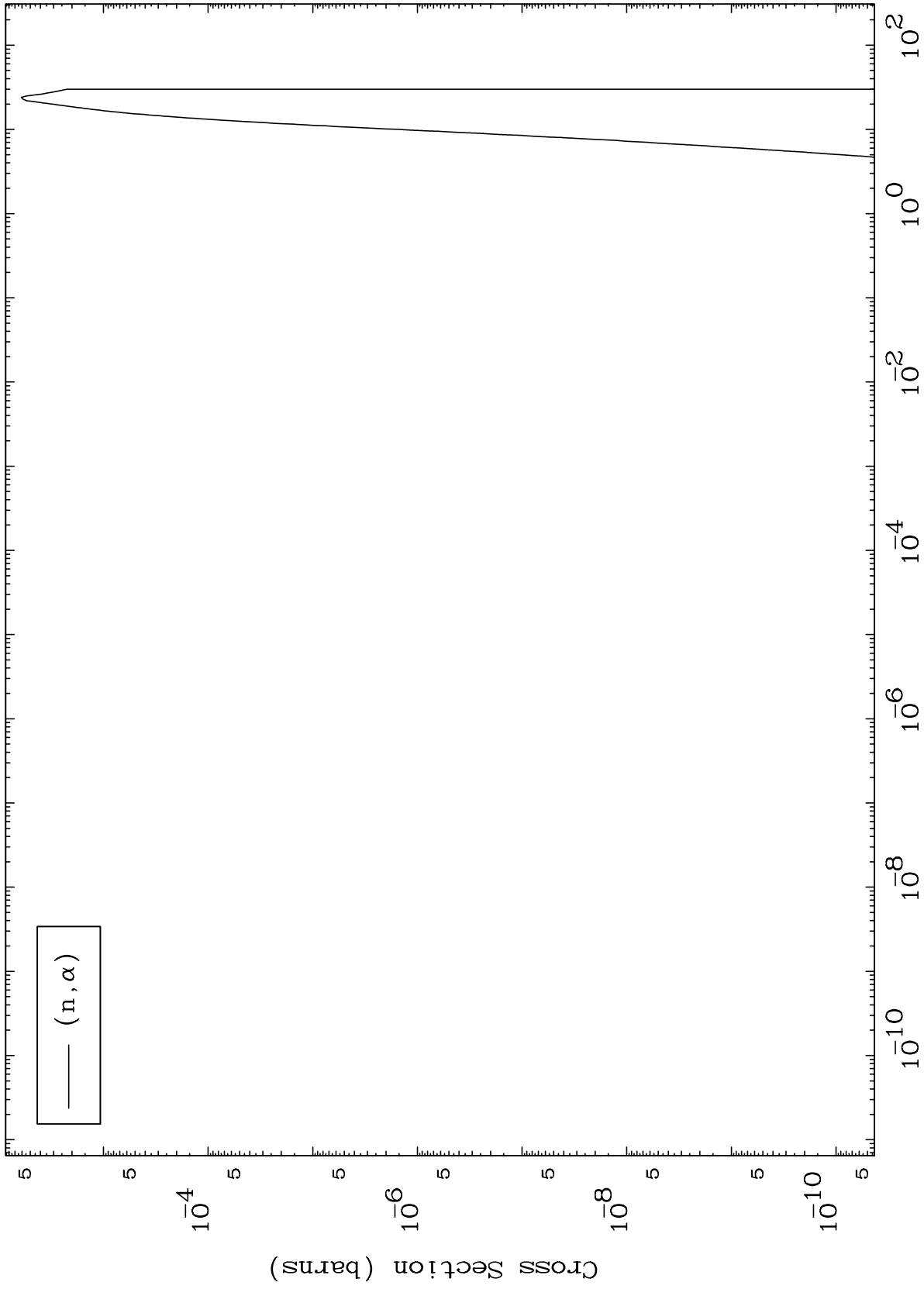
63-Eu-159

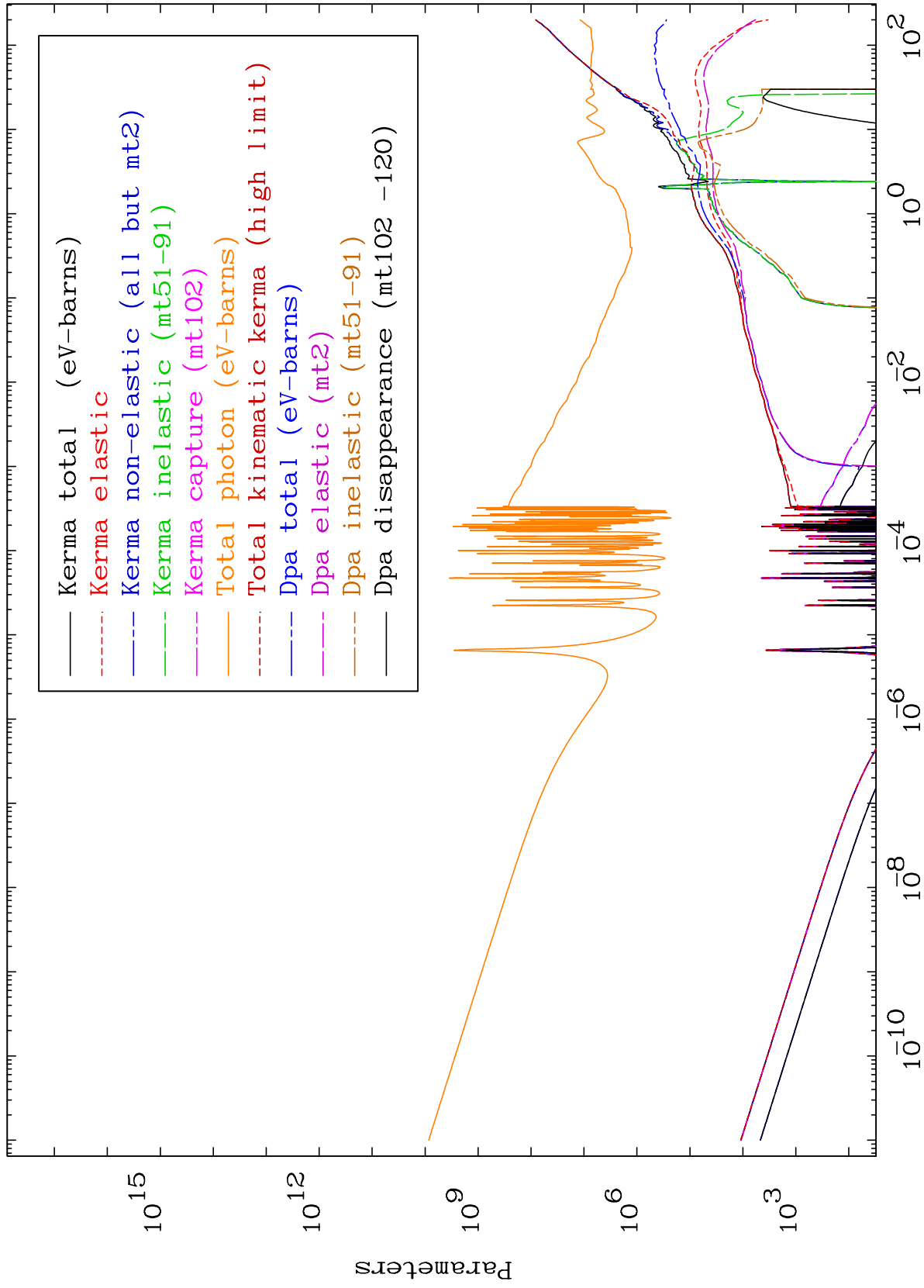


MAT 6349

(n,α) Levels
293 Kelvin Cross Sections

63-Eu-159

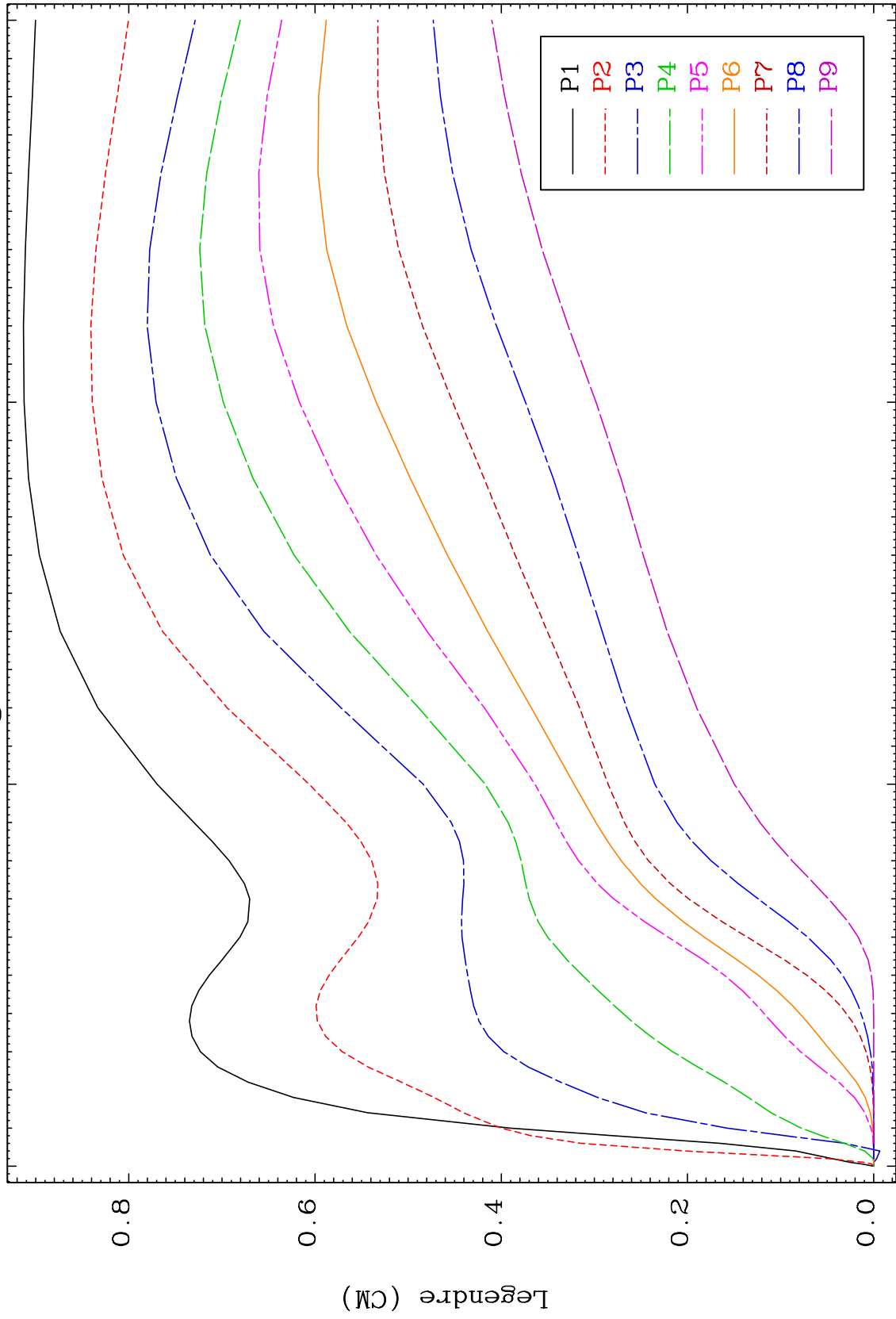




MAT 6349

Elastic Legendre Coefficients

63-Eu-159



16

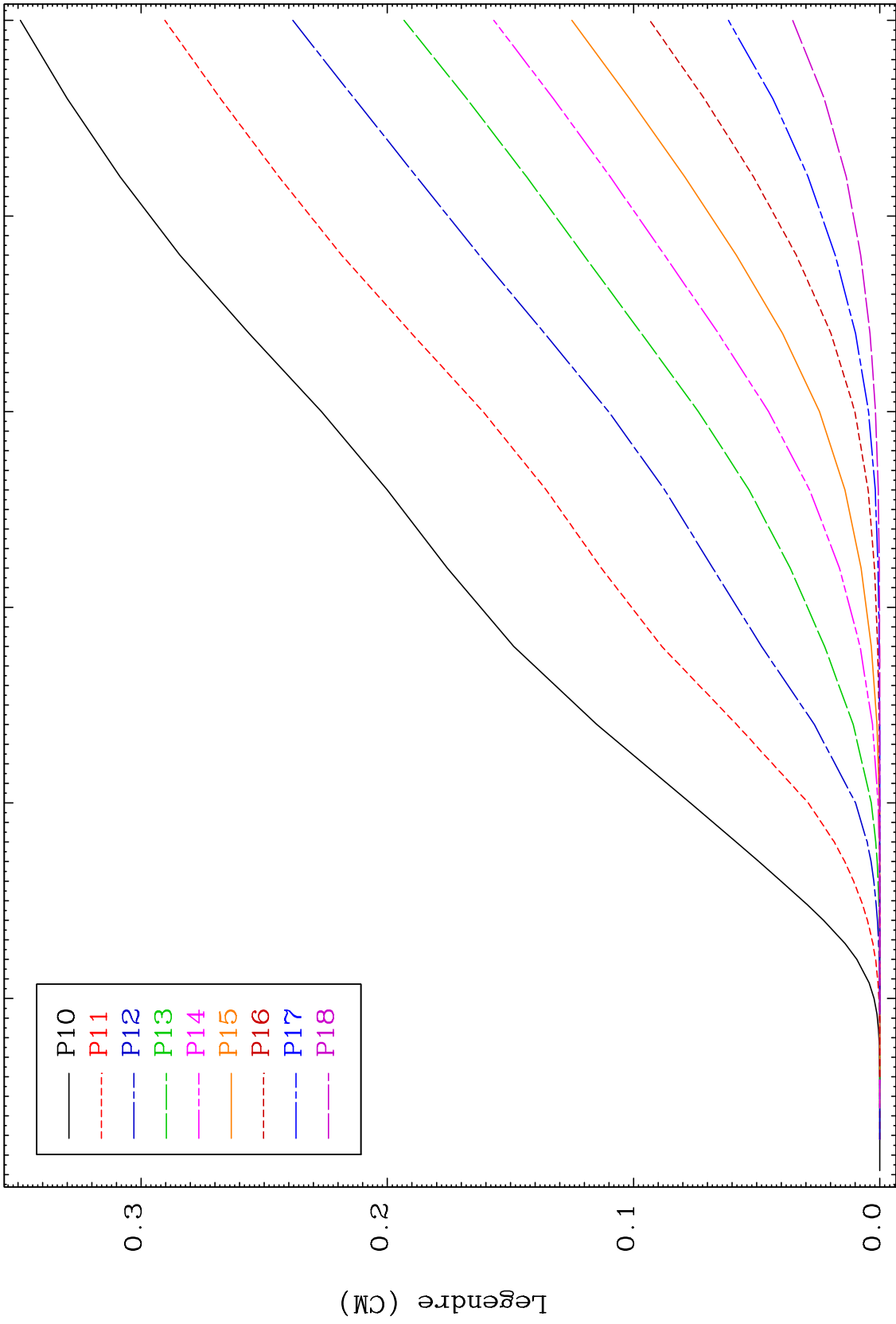
Incident Energy (MeV)

63-Eu-159

MAT 6349

Elastic Legendre Coefficients

63-Eu-159



17

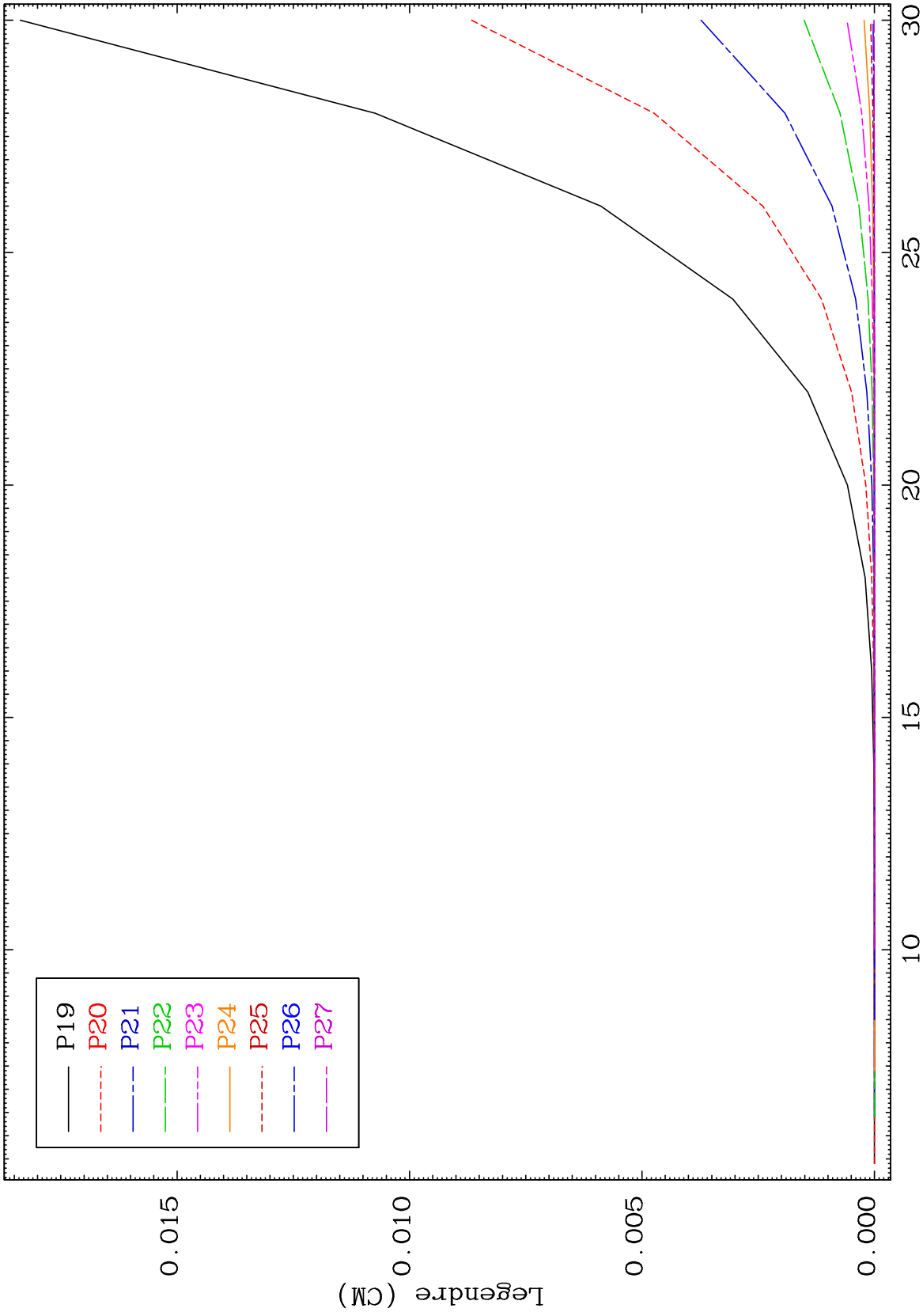
Incident Energy (MeV)

63-Eu-159

MAT 6349

Elastic Legendre Coefficients

63-Eu-159



18

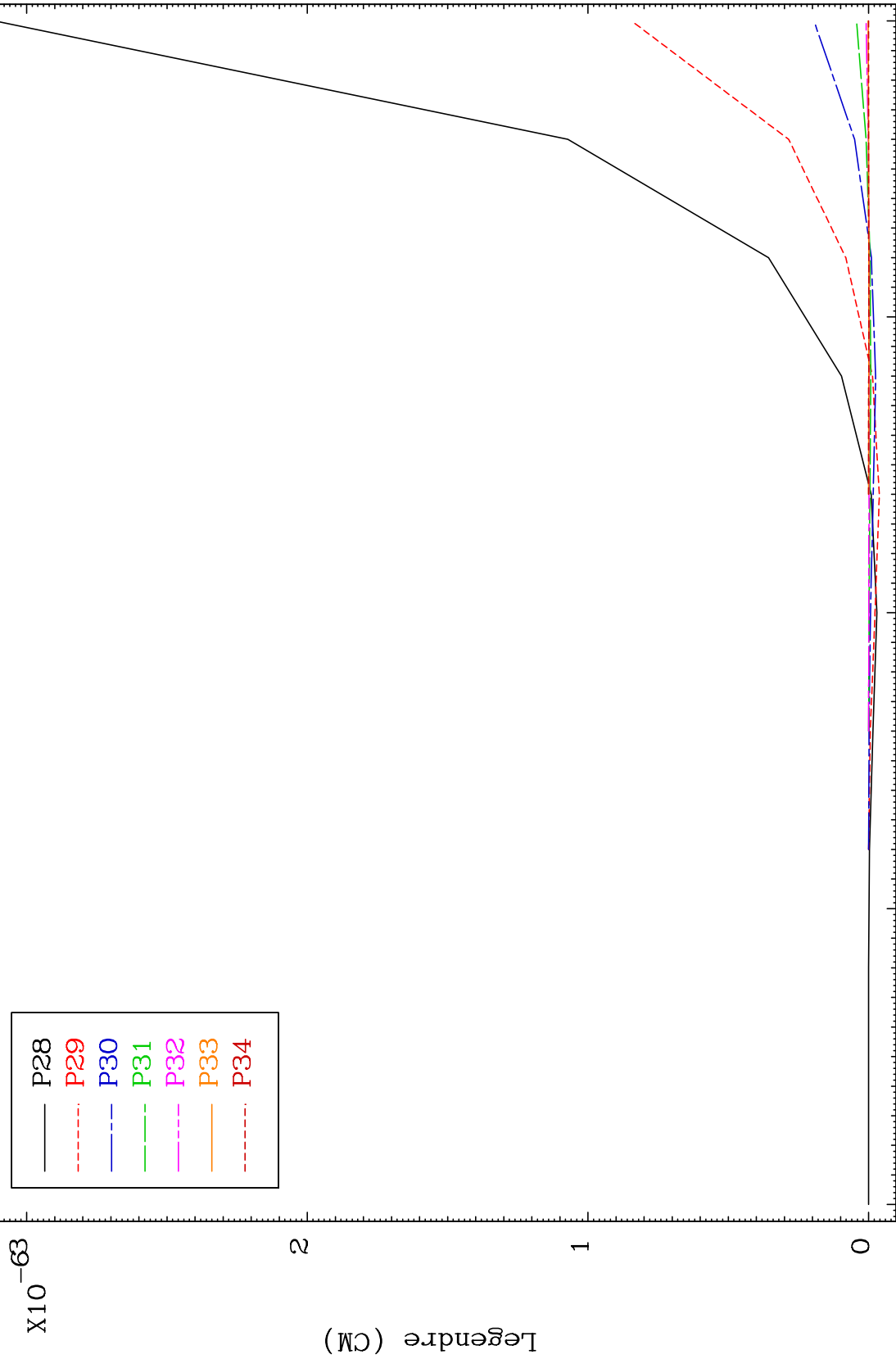
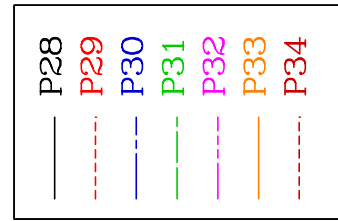
Incident Energy (MeV)

63-Eu-159

MAT 6349

Elastic Legendre Coefficients

63-Eu-159



19

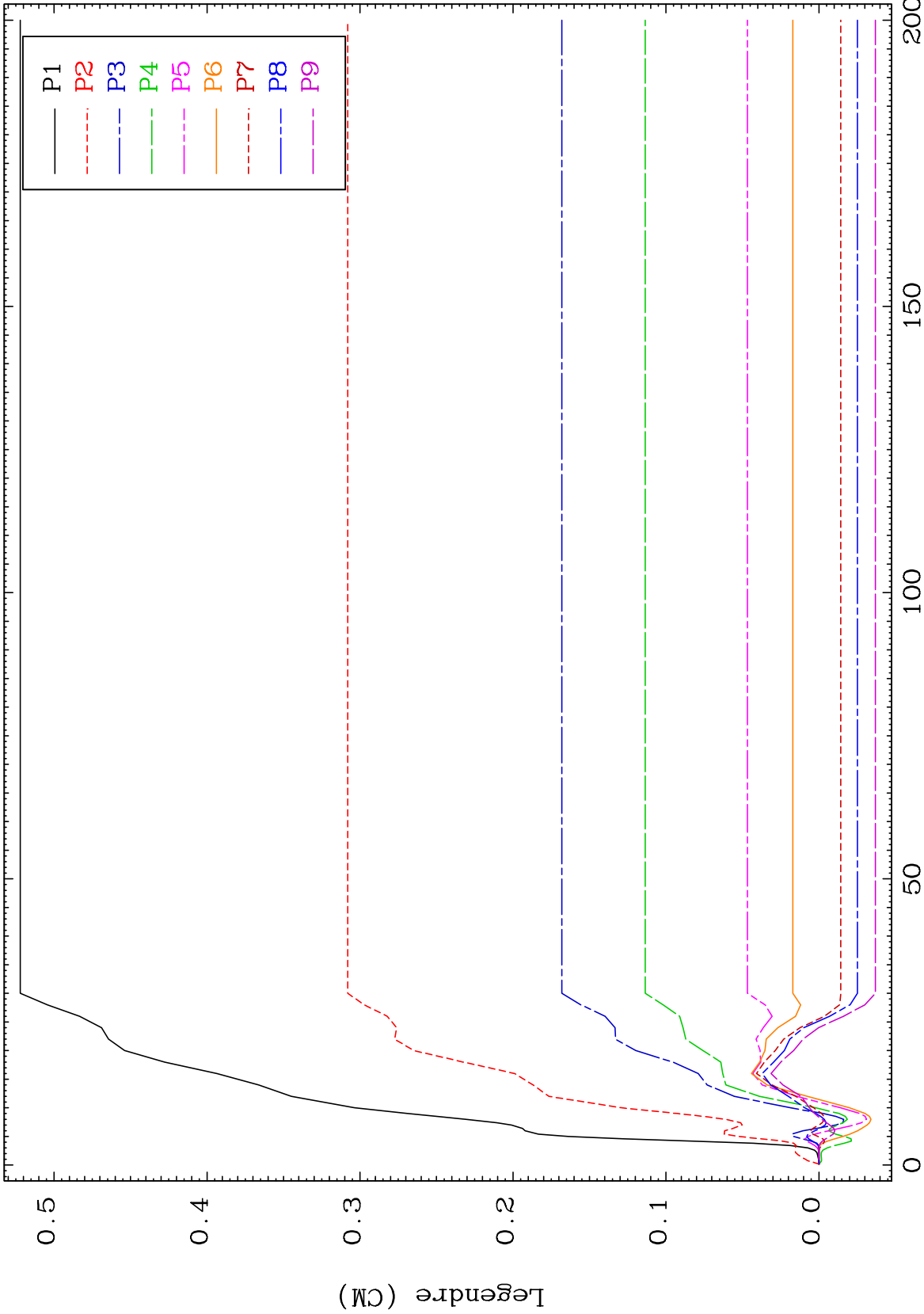
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



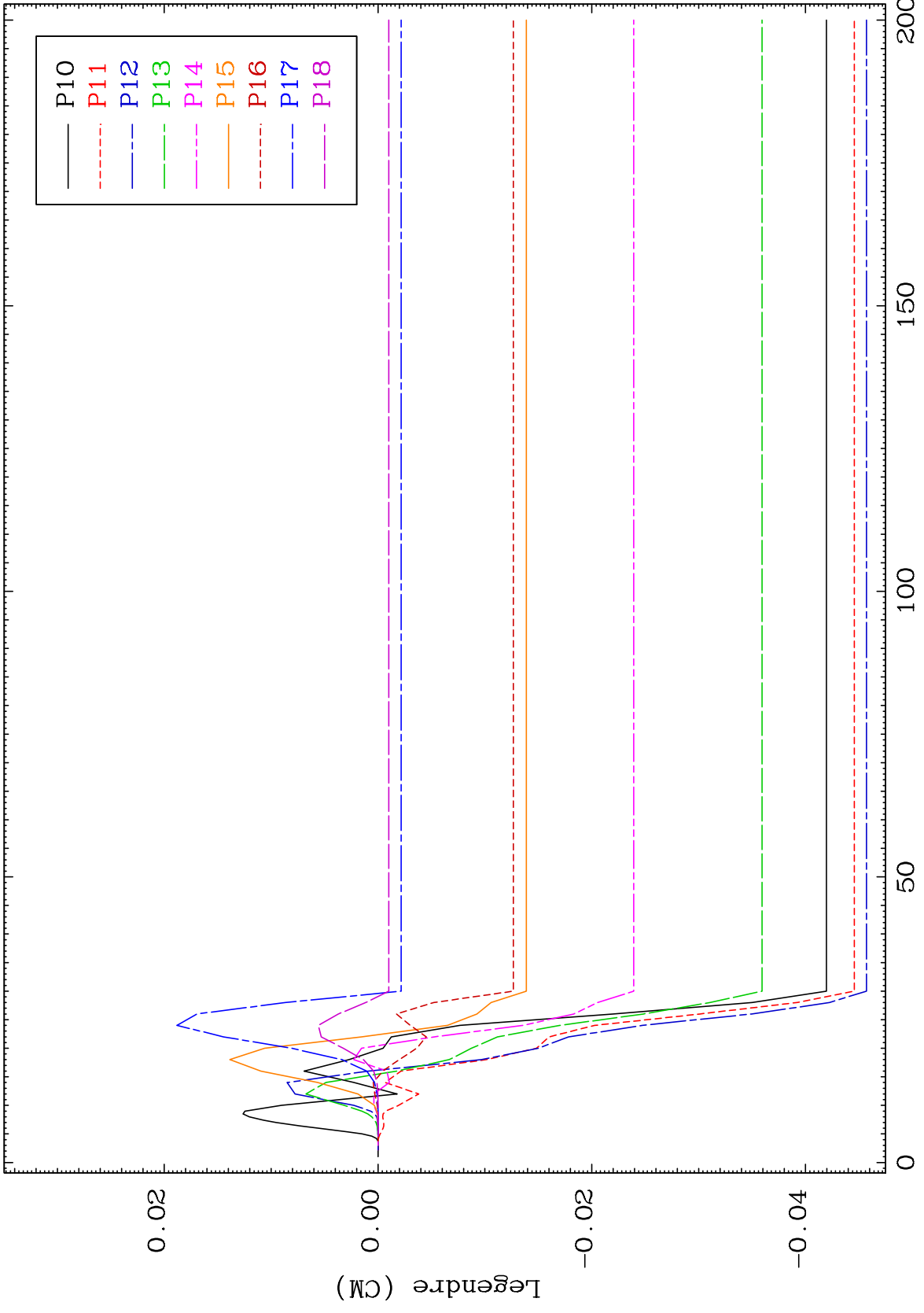
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



21

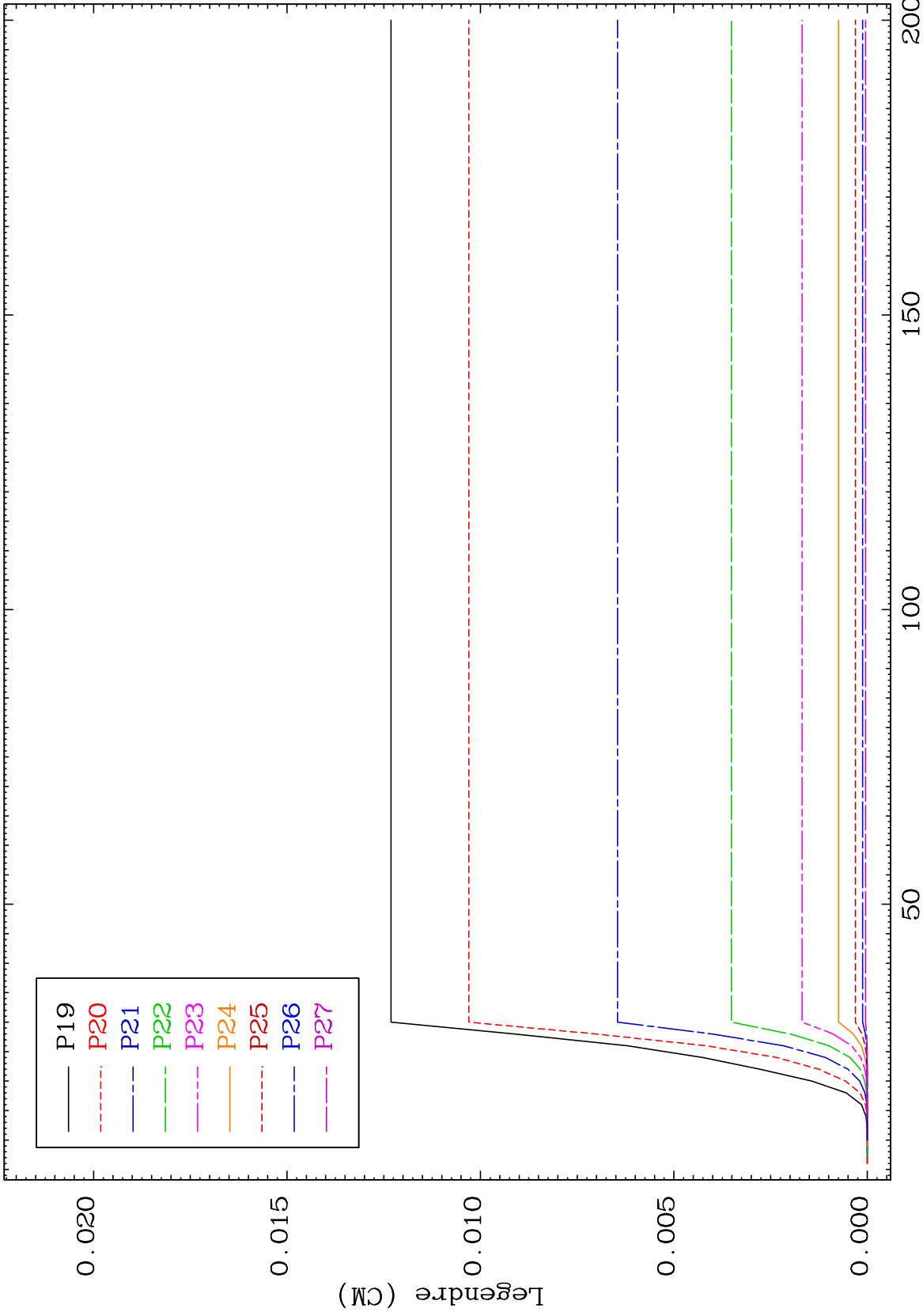
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



22

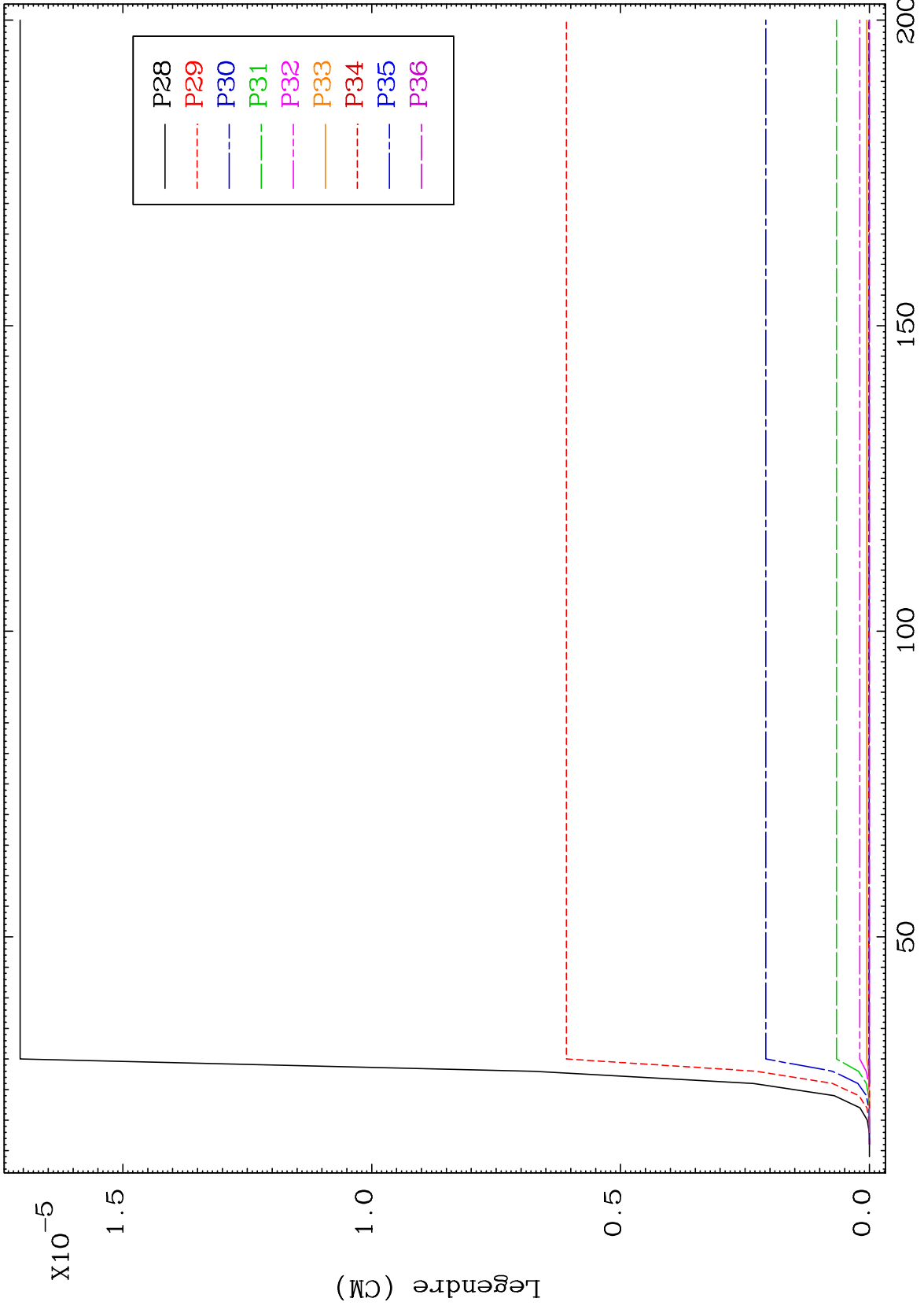
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



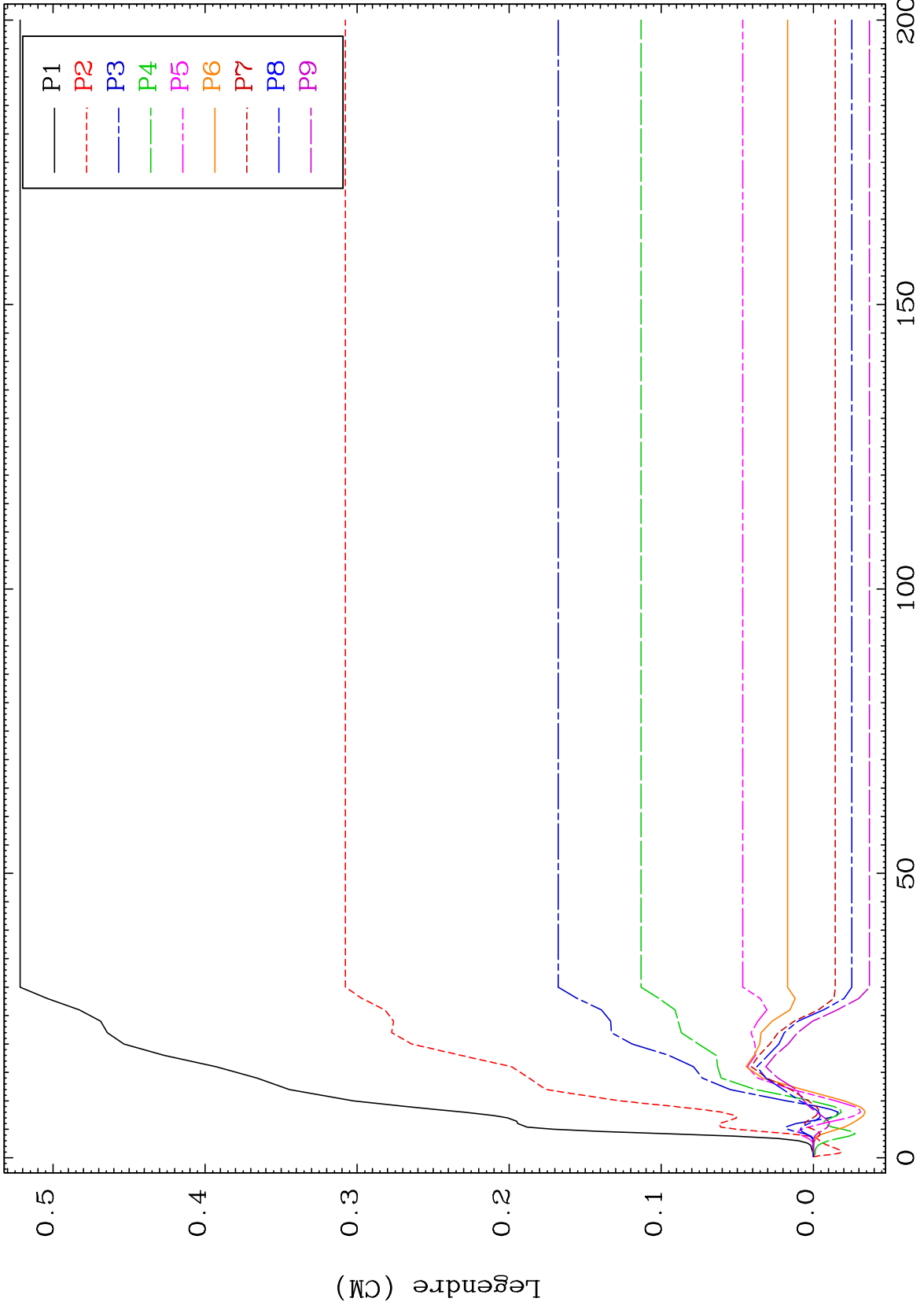
23

63-Eu-159

MAT 6349

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

63-Eu-159



24

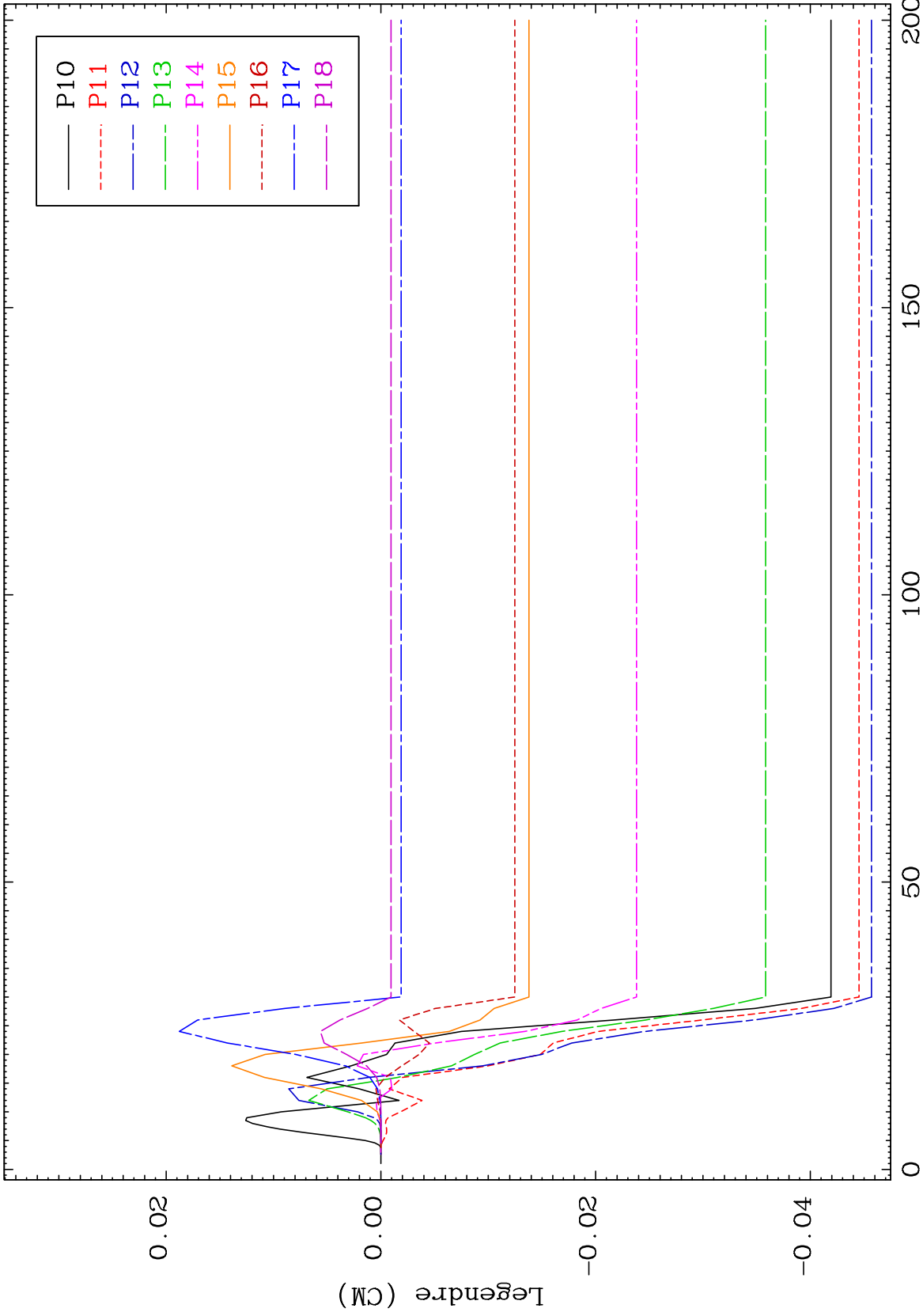
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

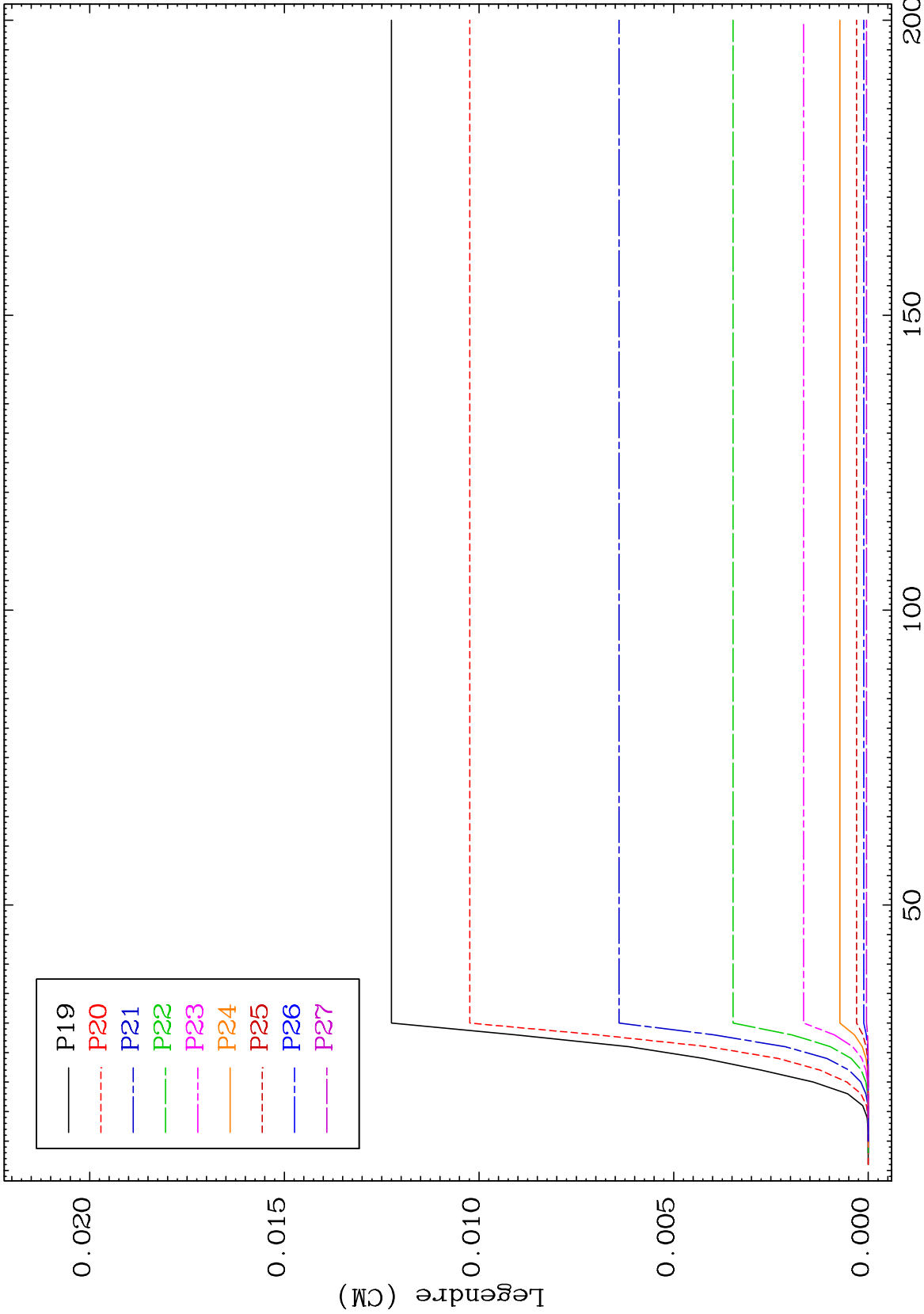
63-Eu-159



25

Incident Energy (MeV)

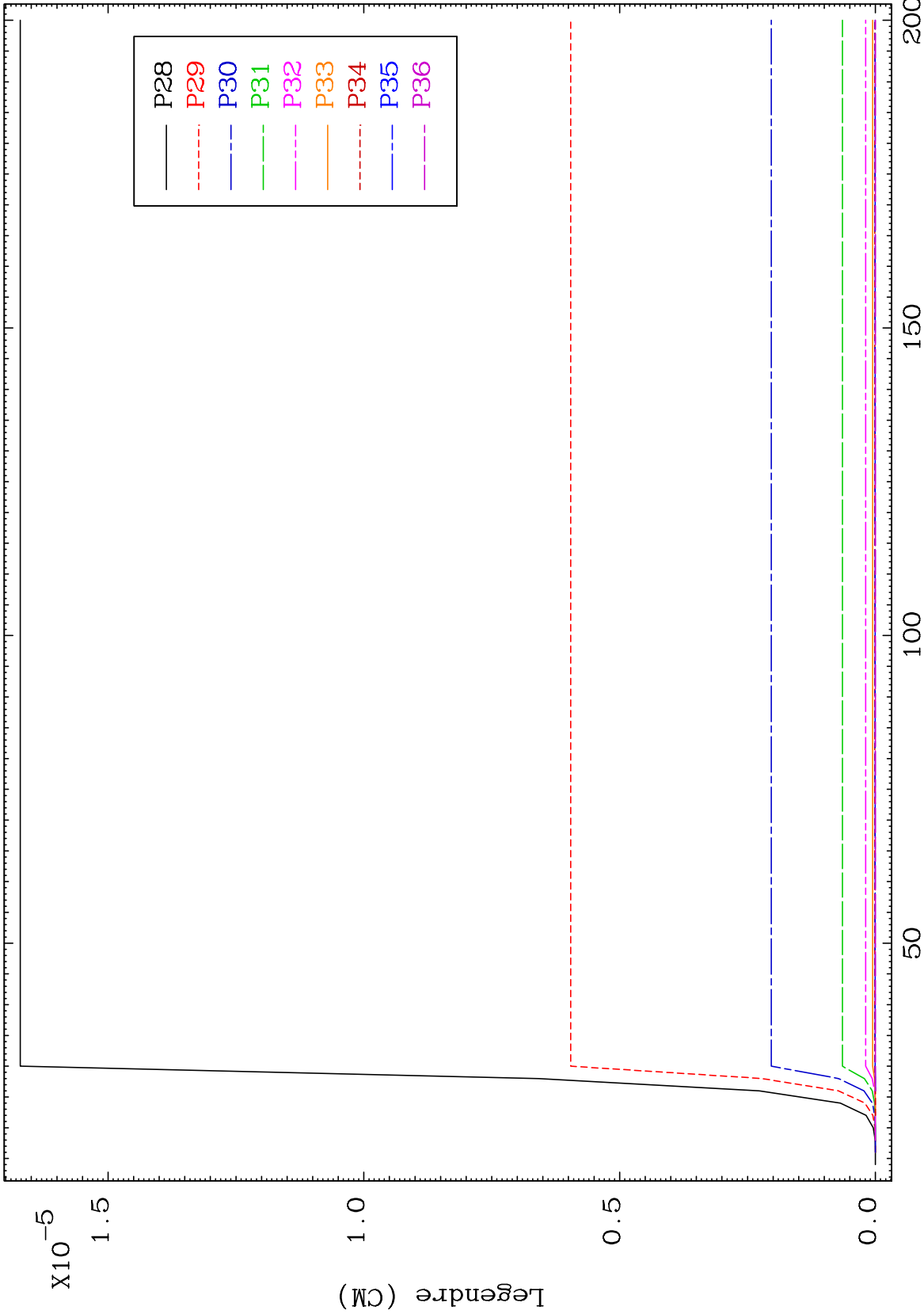
63-Eu-159



MAT 6349

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

63-Eu-159



27

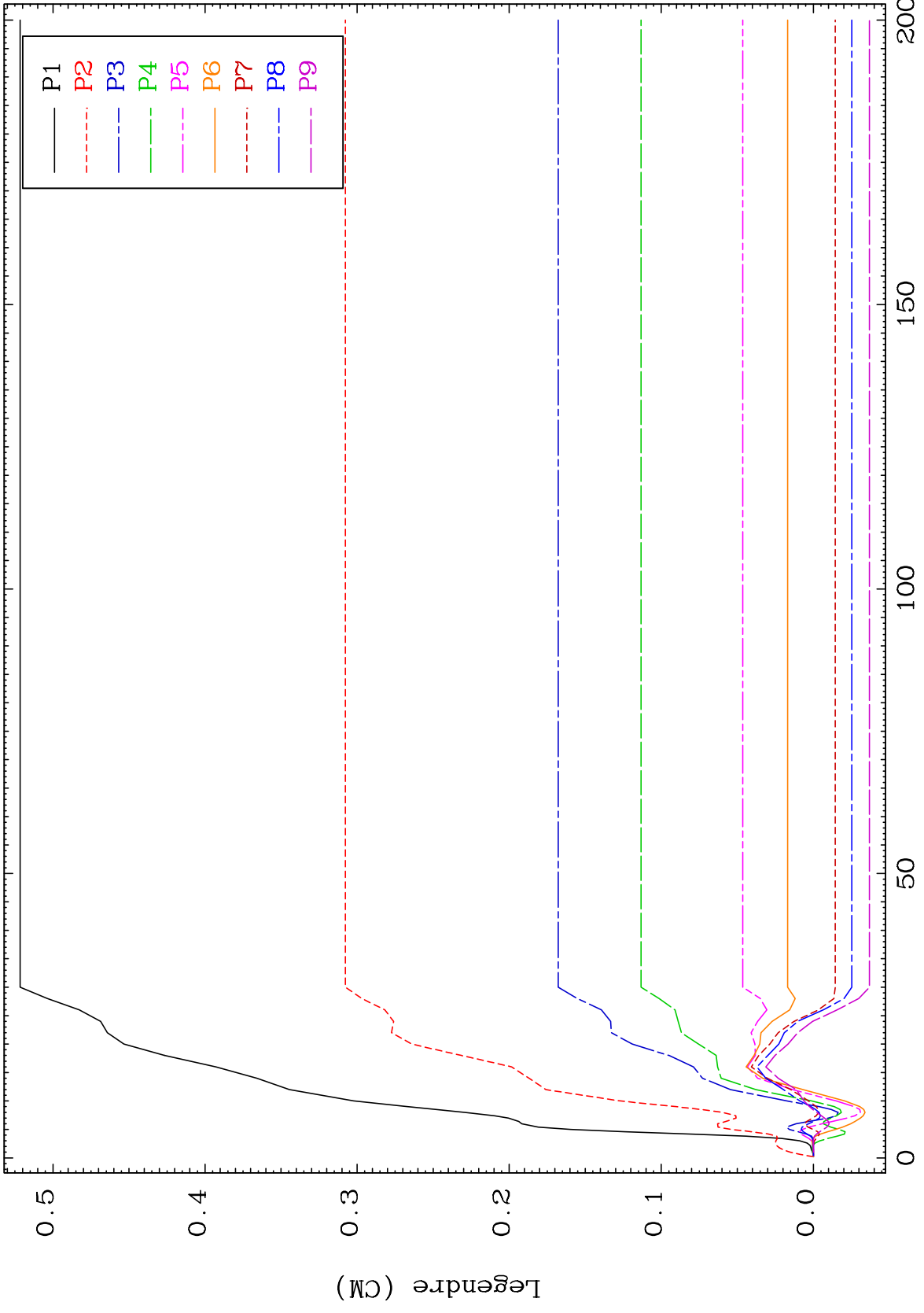
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



28

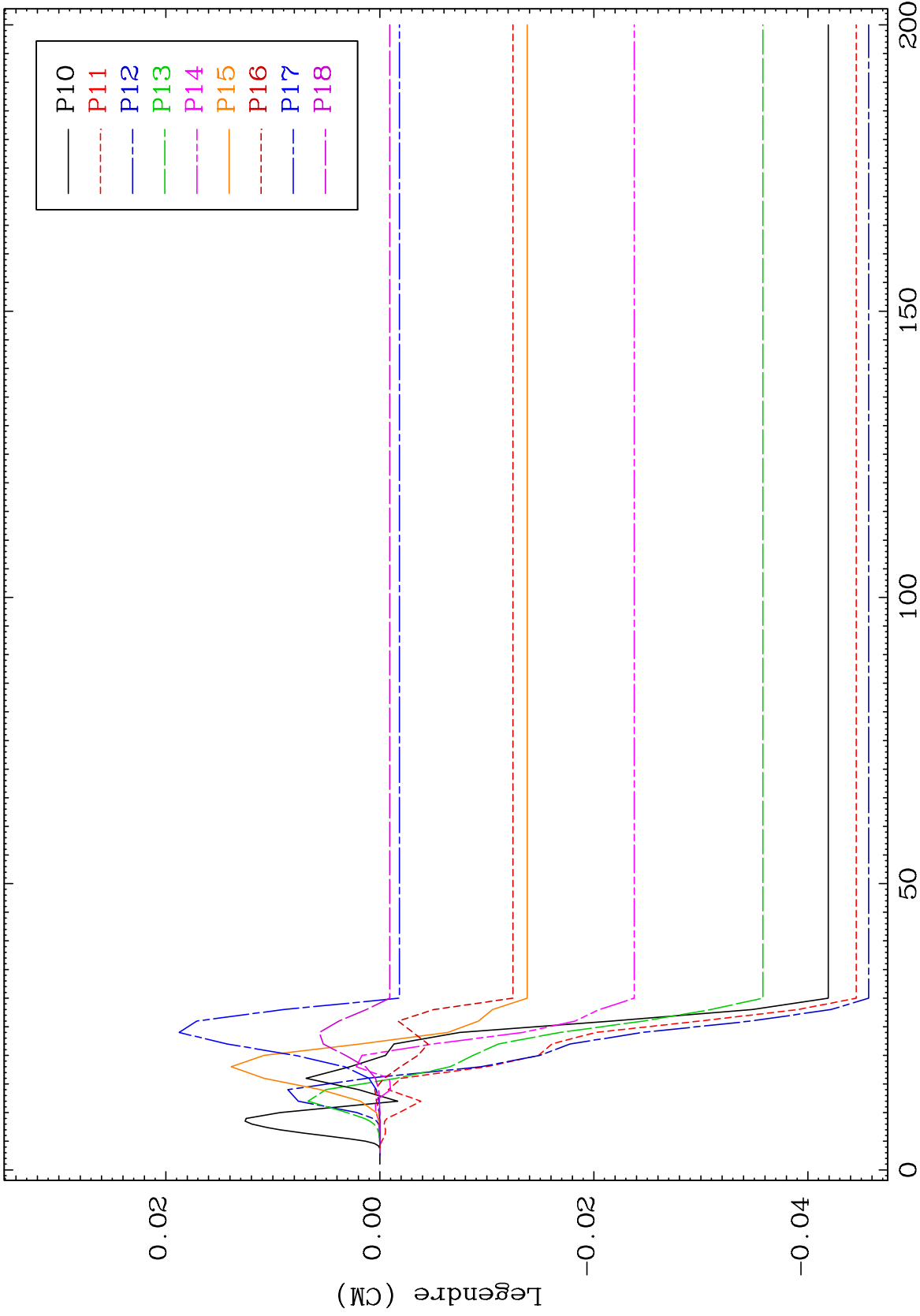
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



29

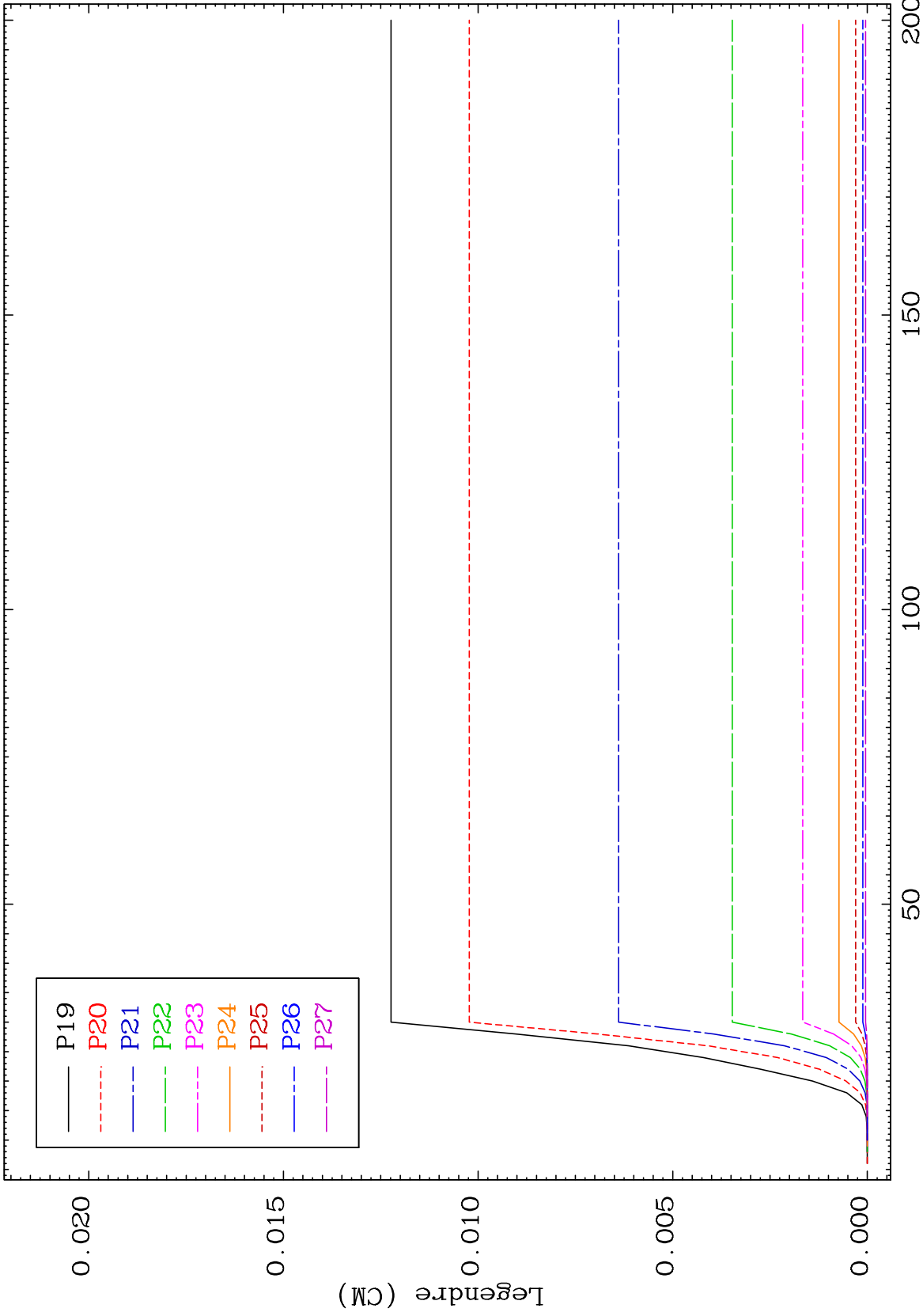
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



30

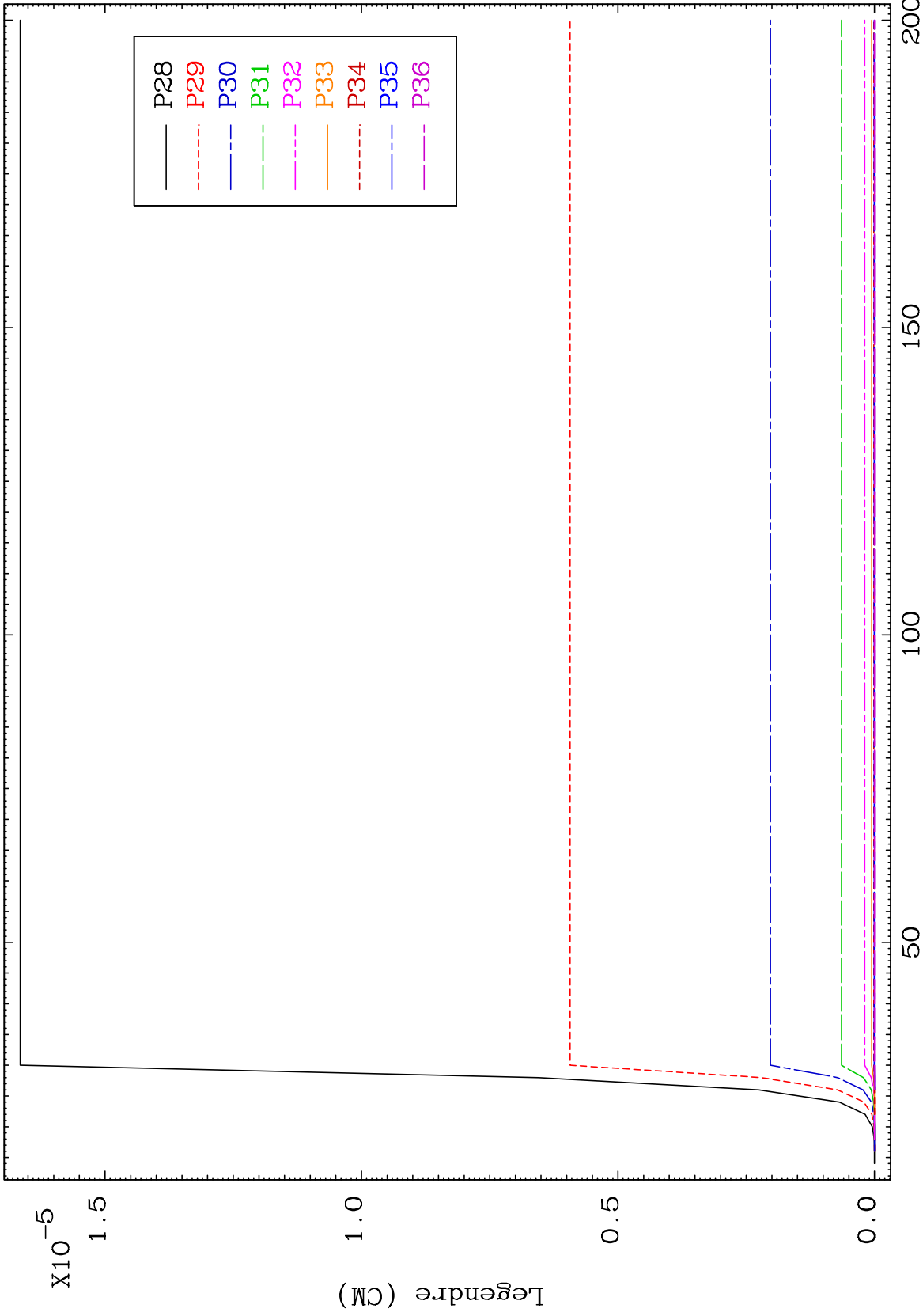
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



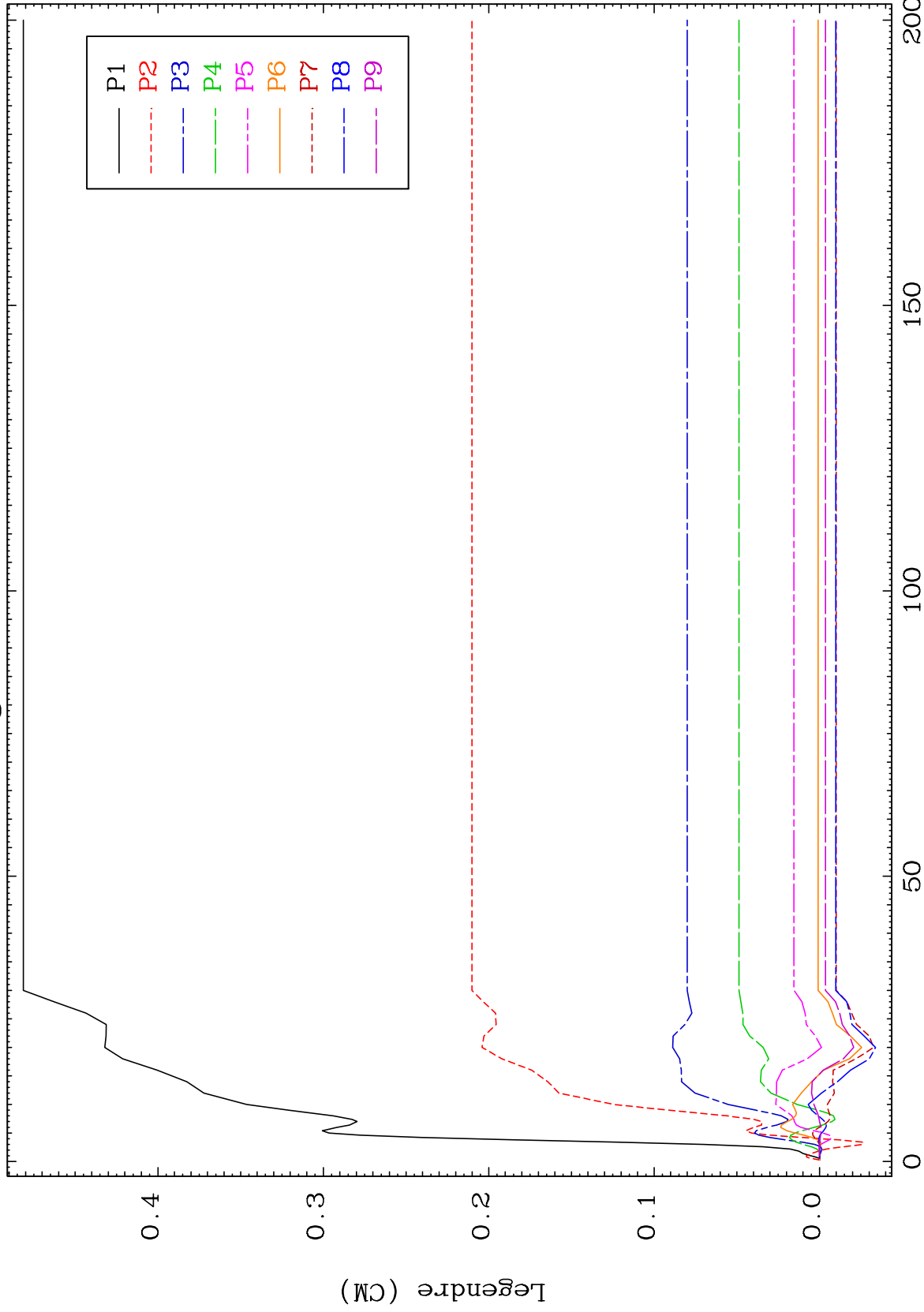
31

63-Eu-159

MAT 6349

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

63-Eu-159



32

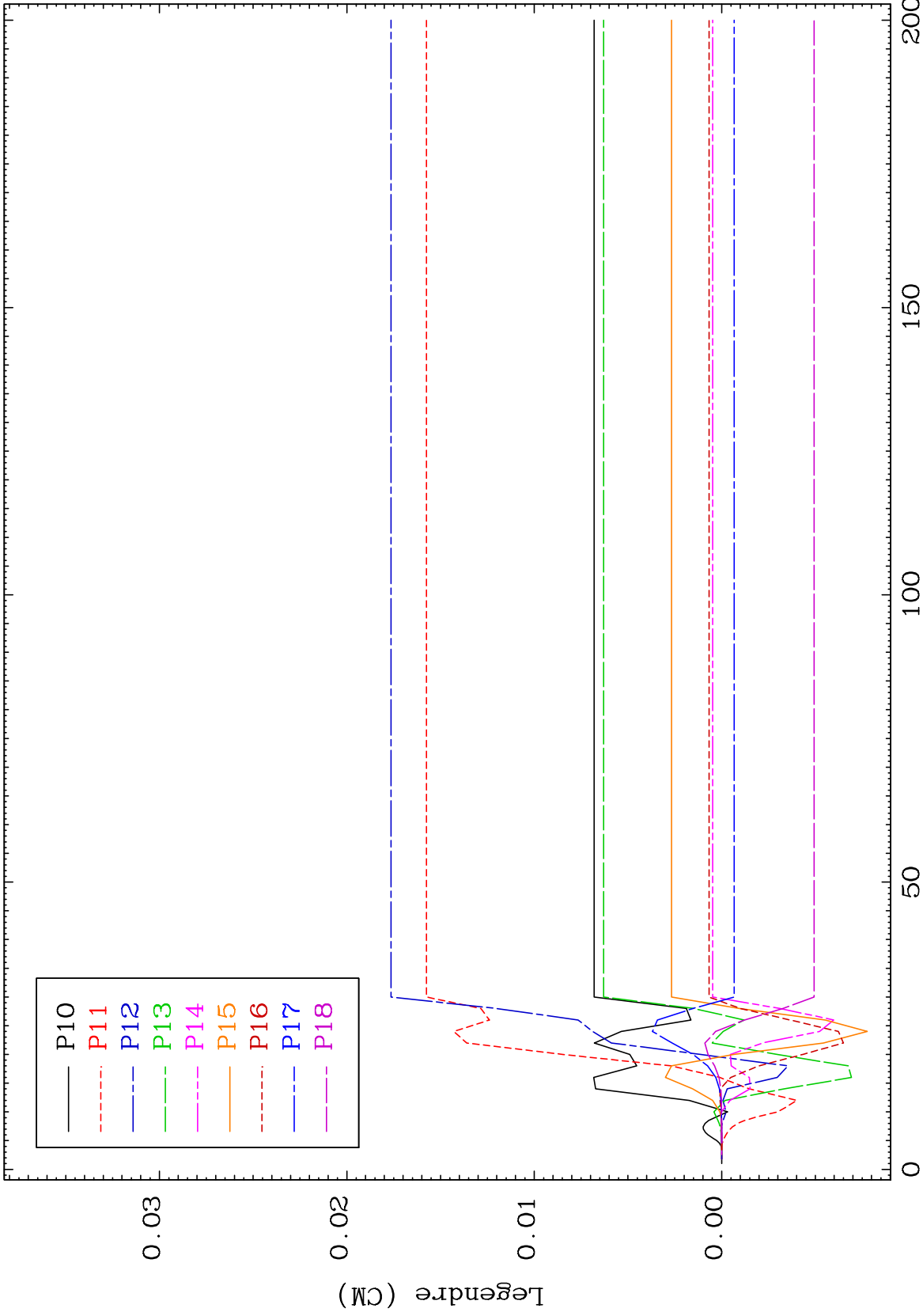
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



33

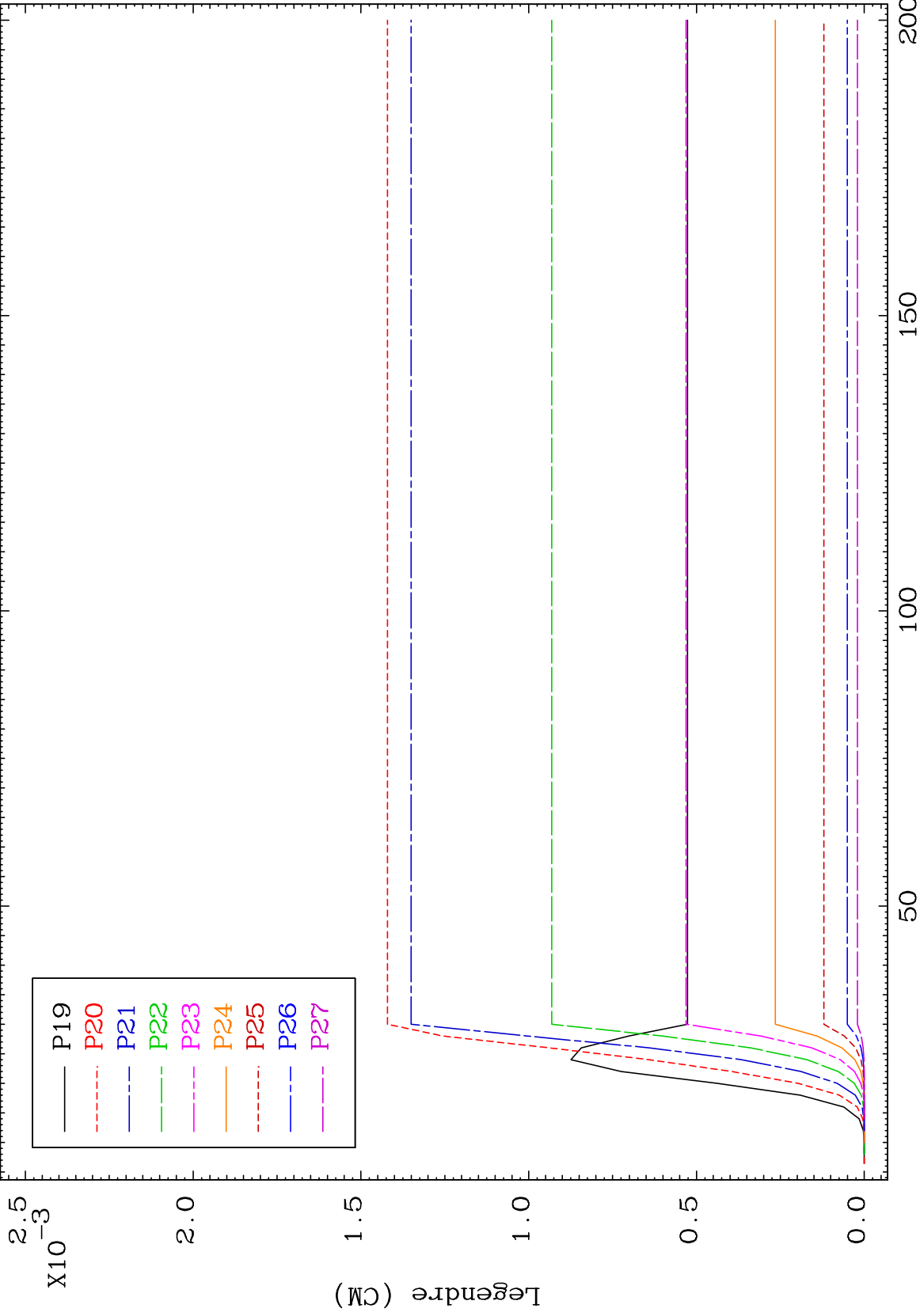
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



34

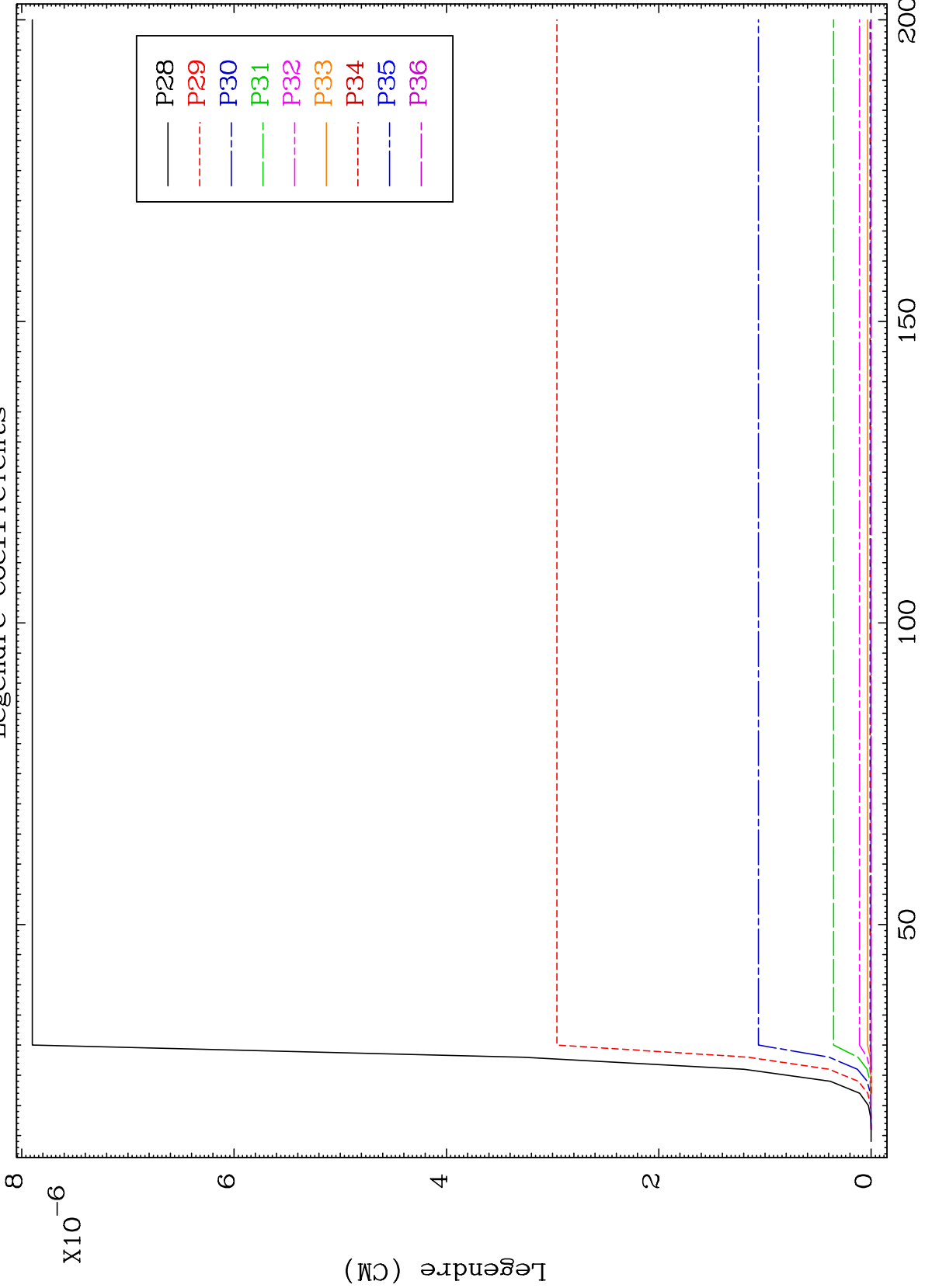
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



35

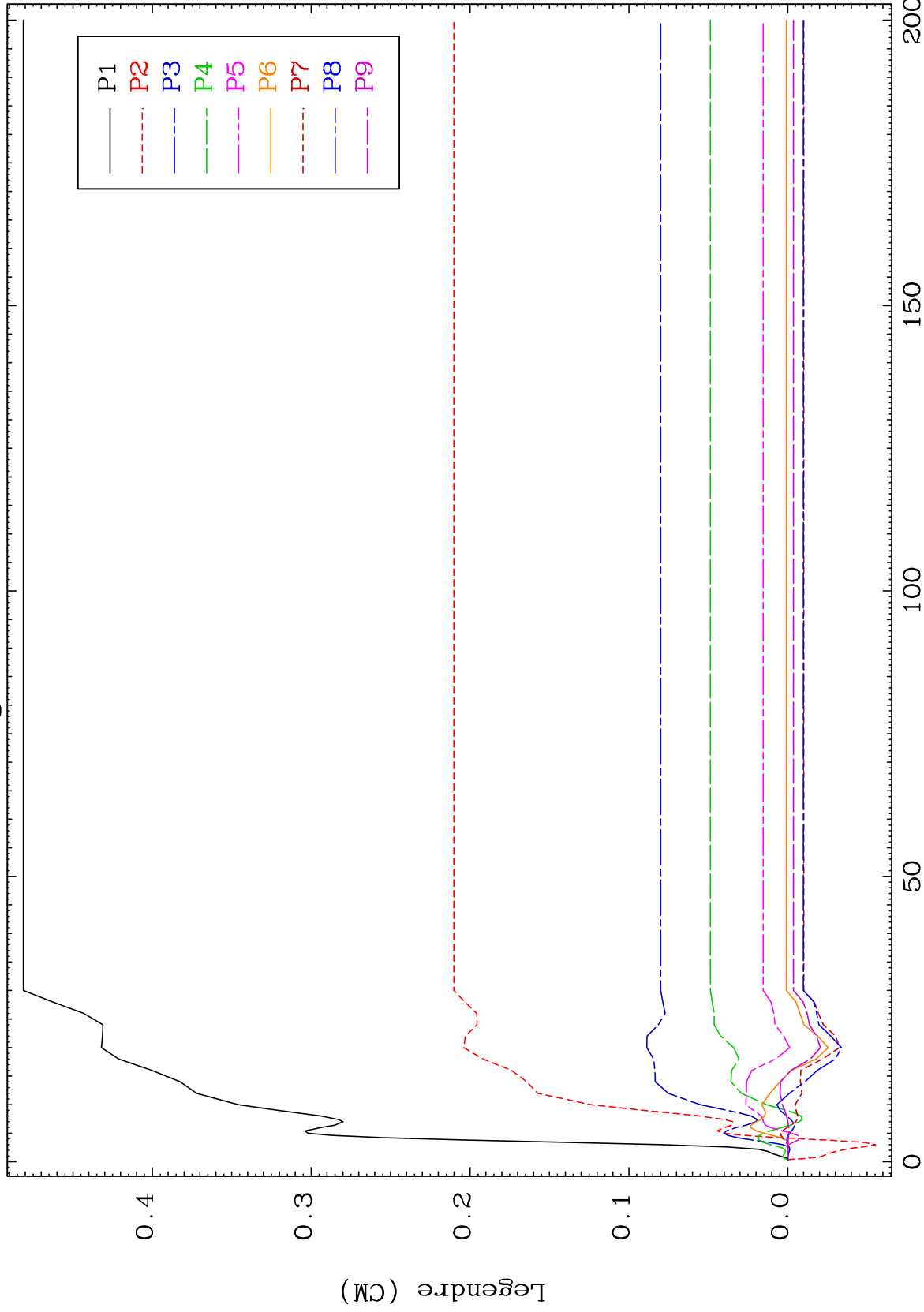
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



36

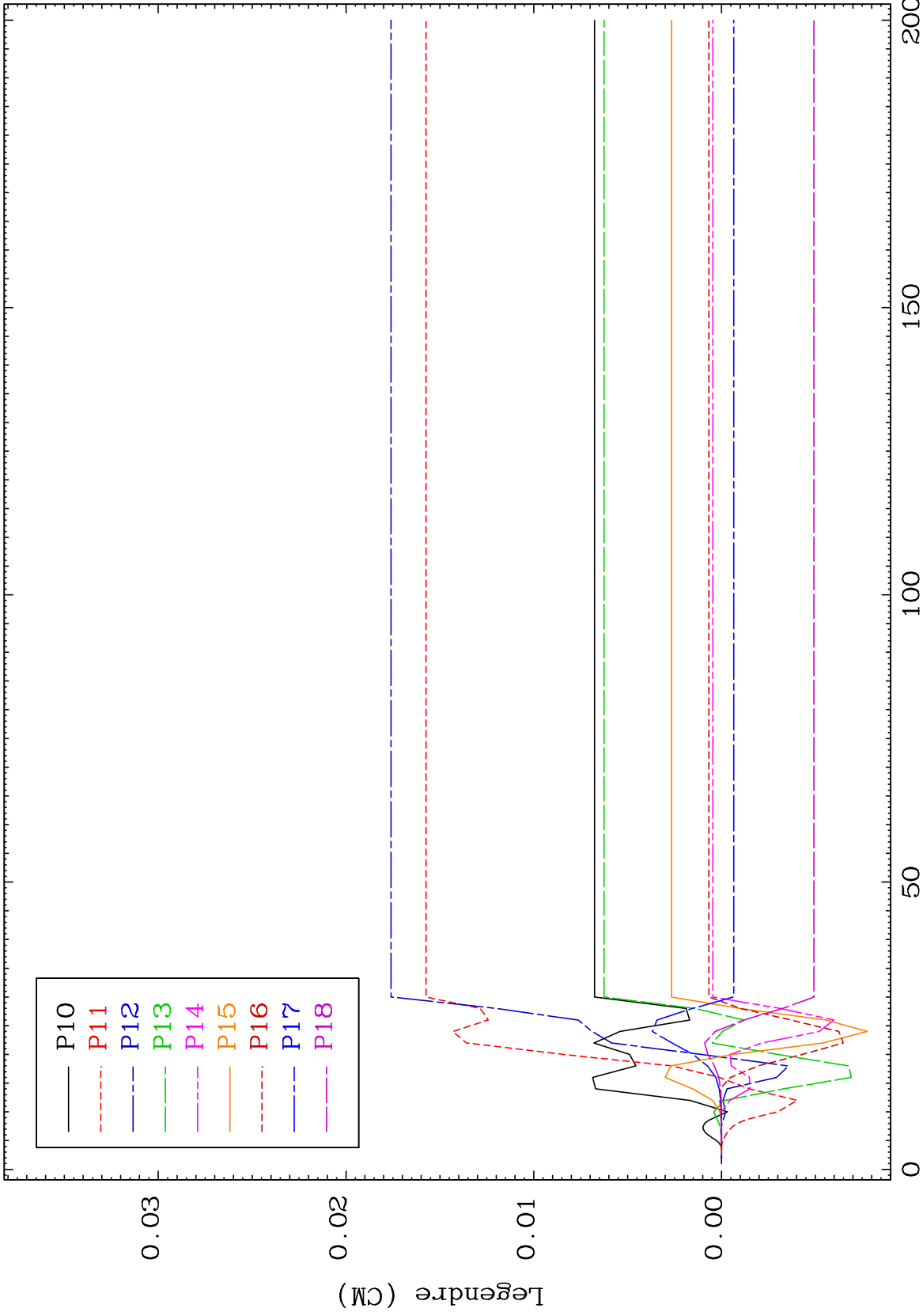
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



37

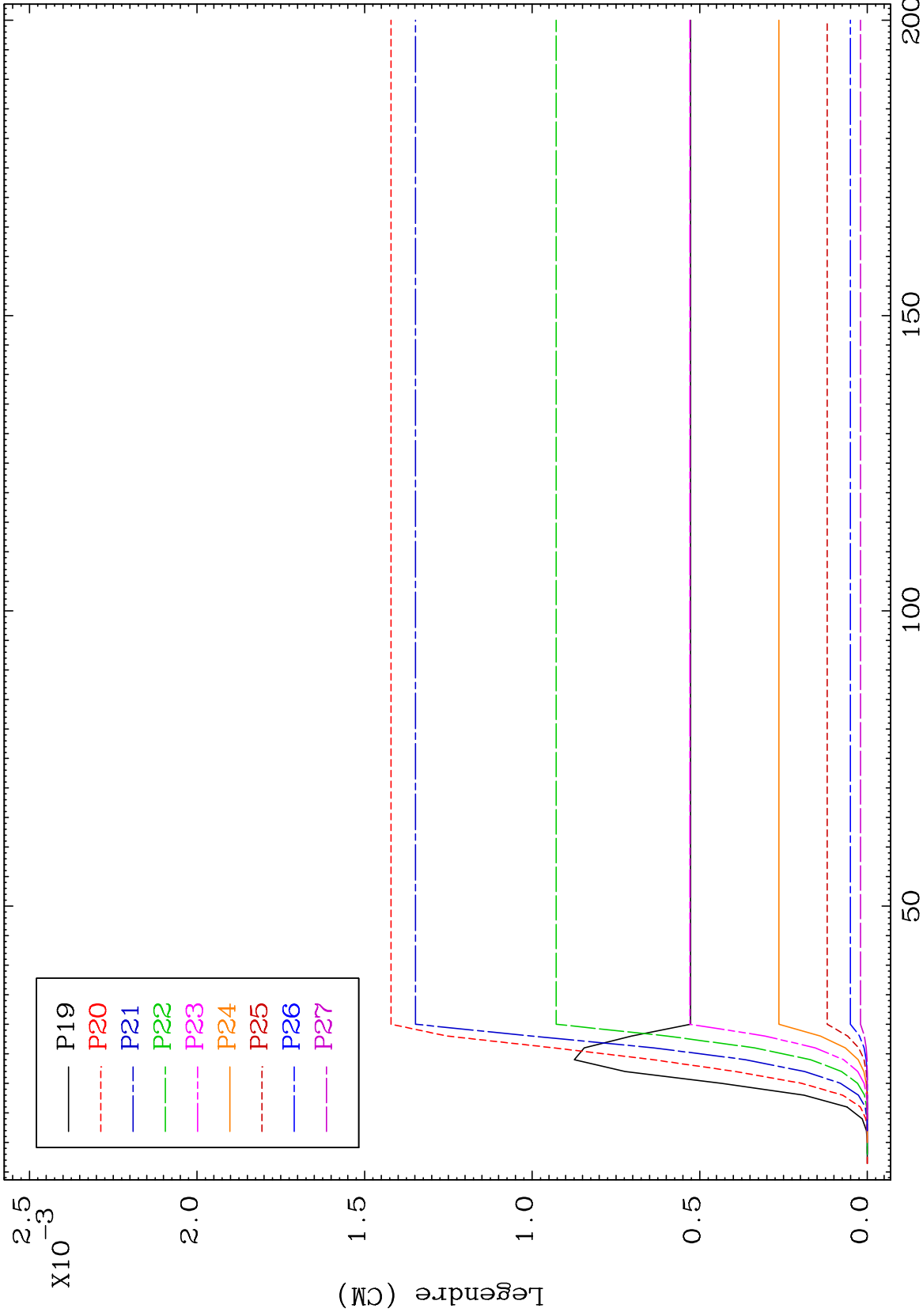
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



38

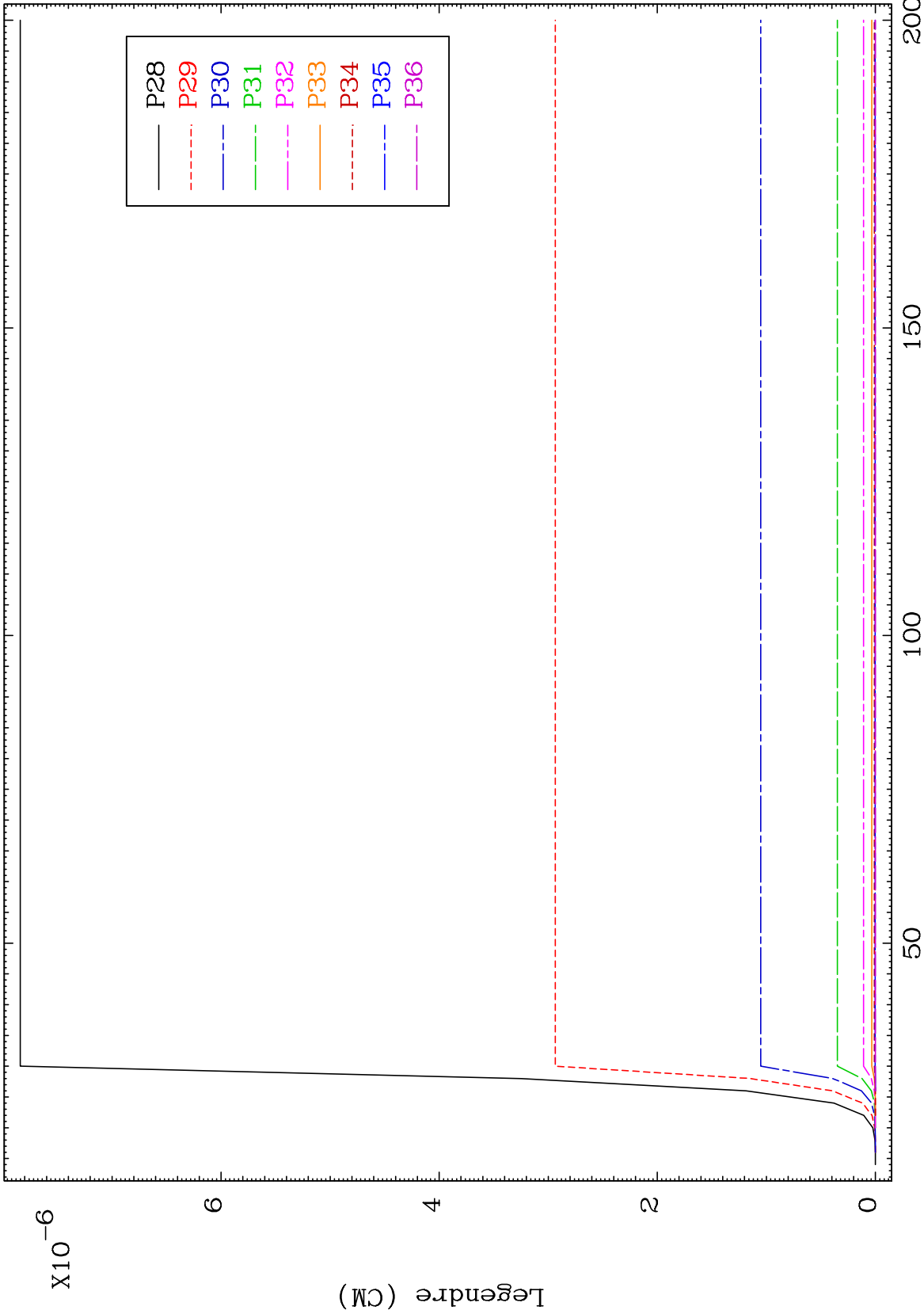
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



39

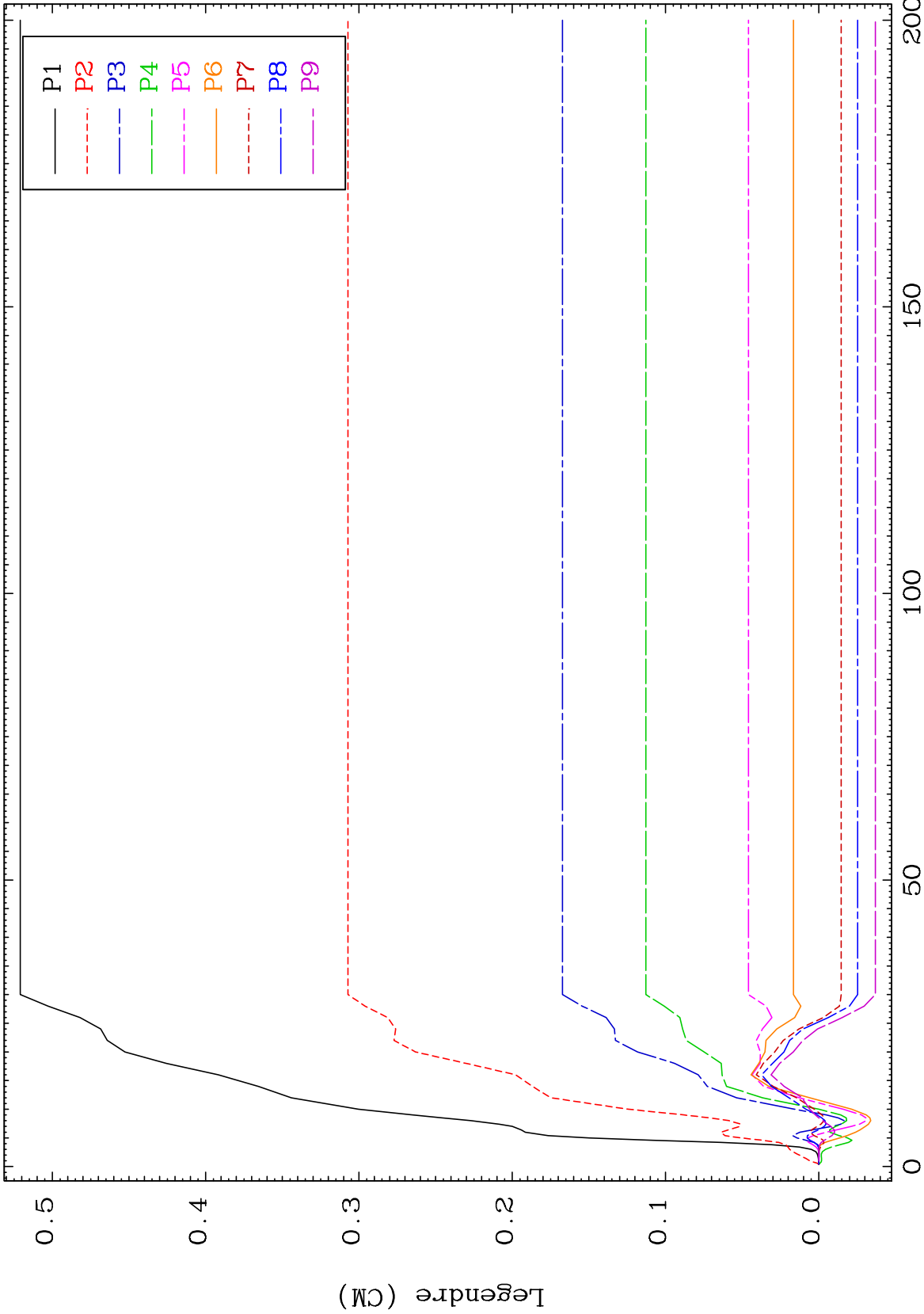
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



63-Eu-159

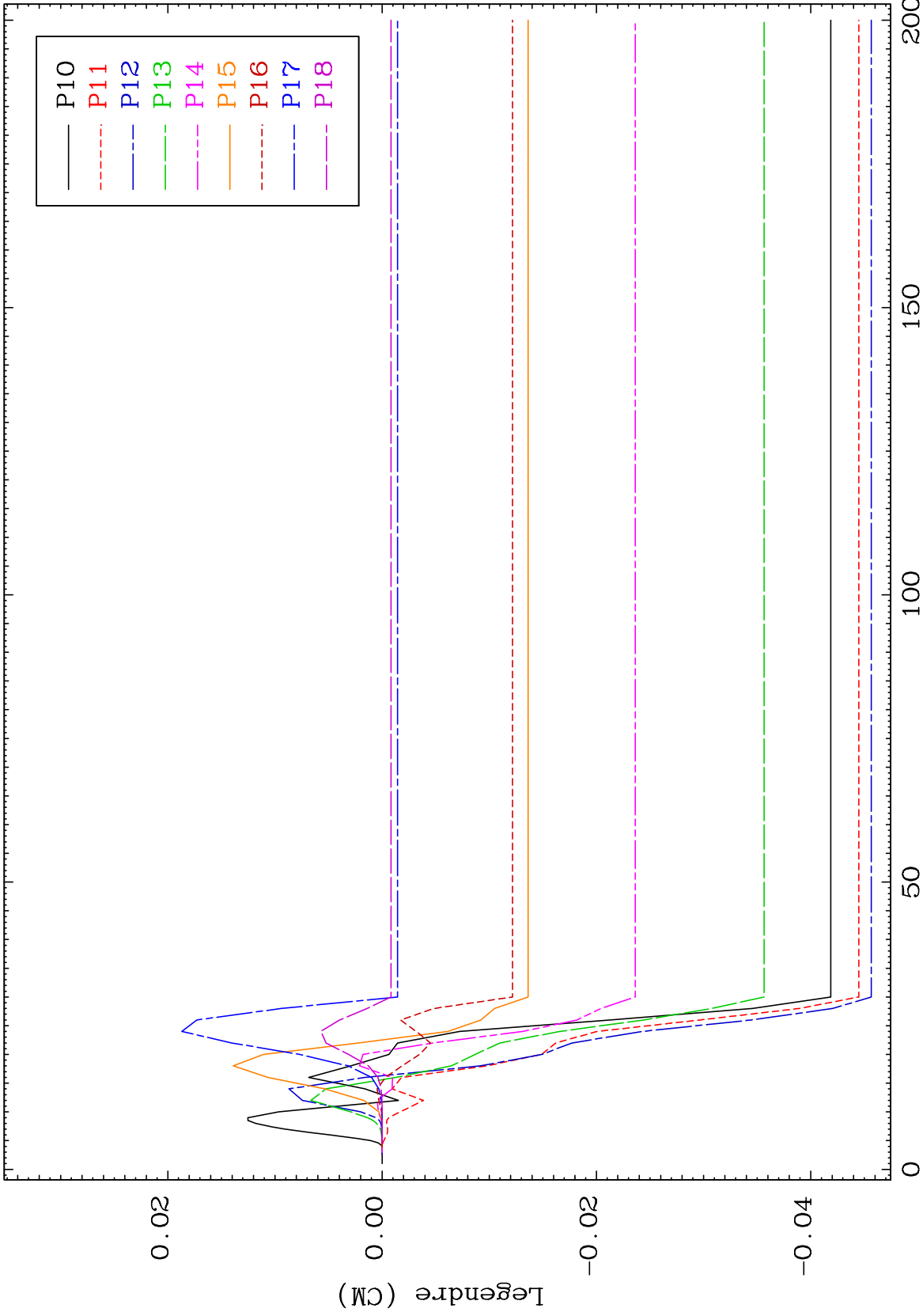
Incident Energy (MeV)

40

MAT 6349

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

63-Eu-159



41

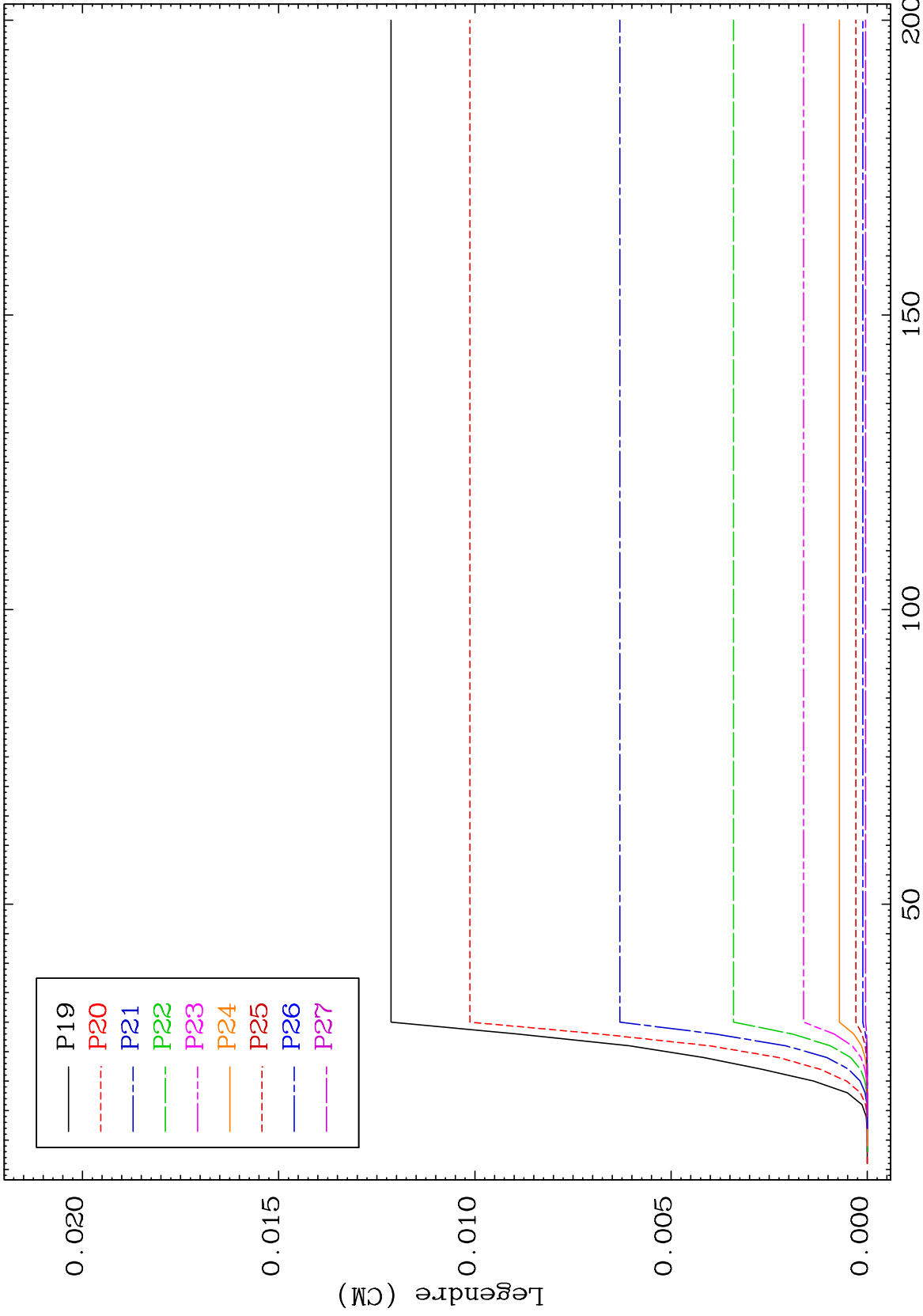
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



42

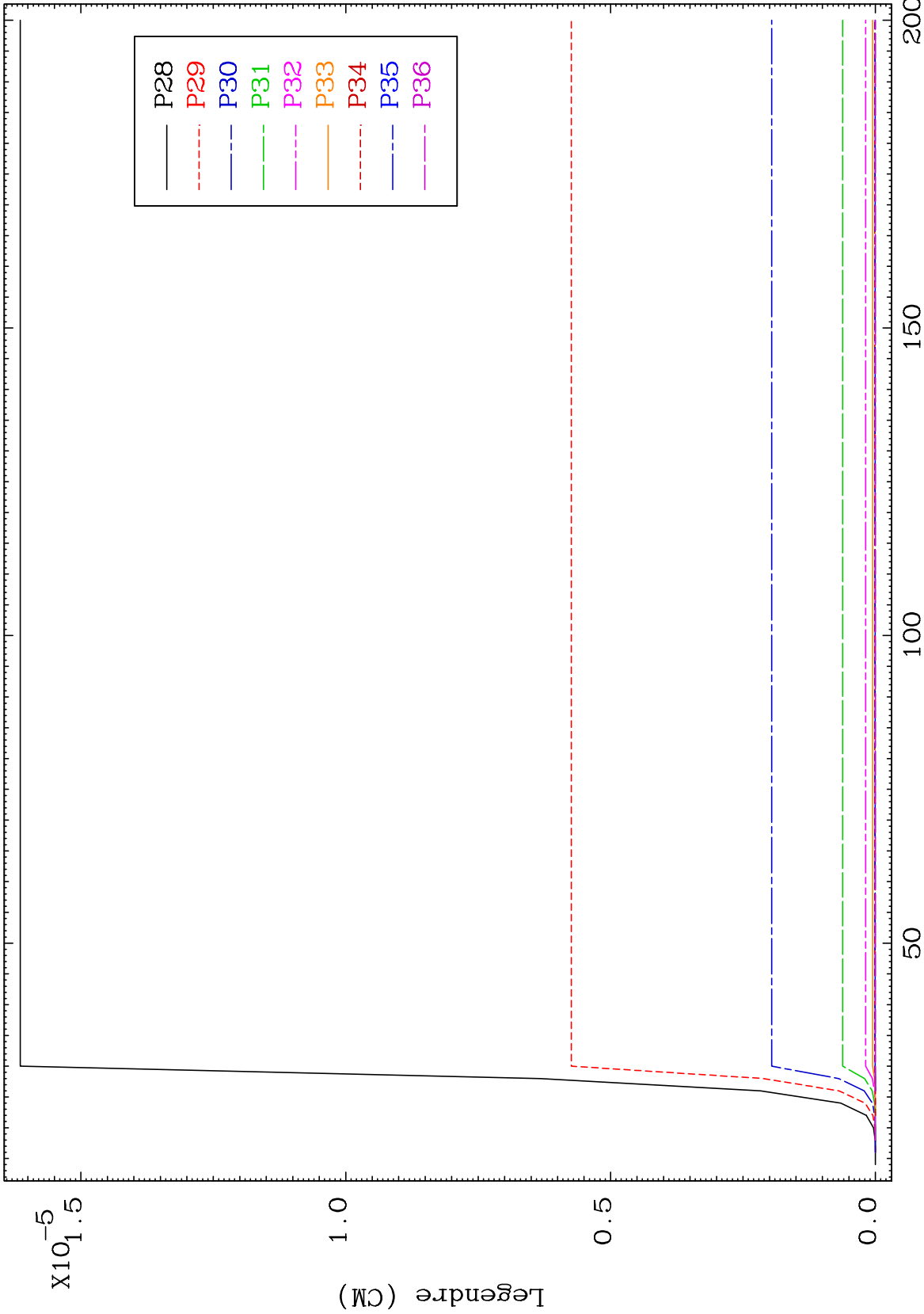
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



43

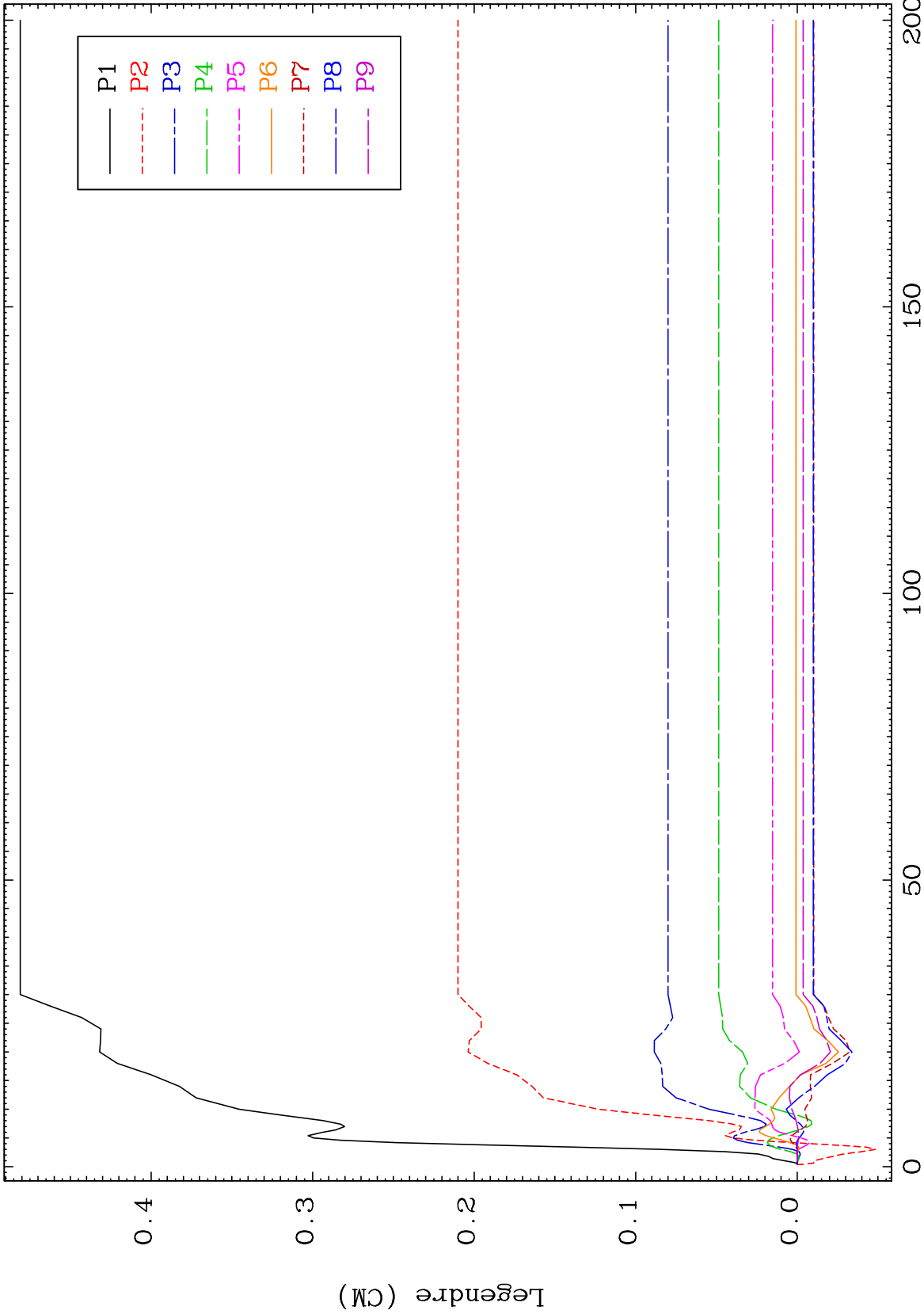
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



44

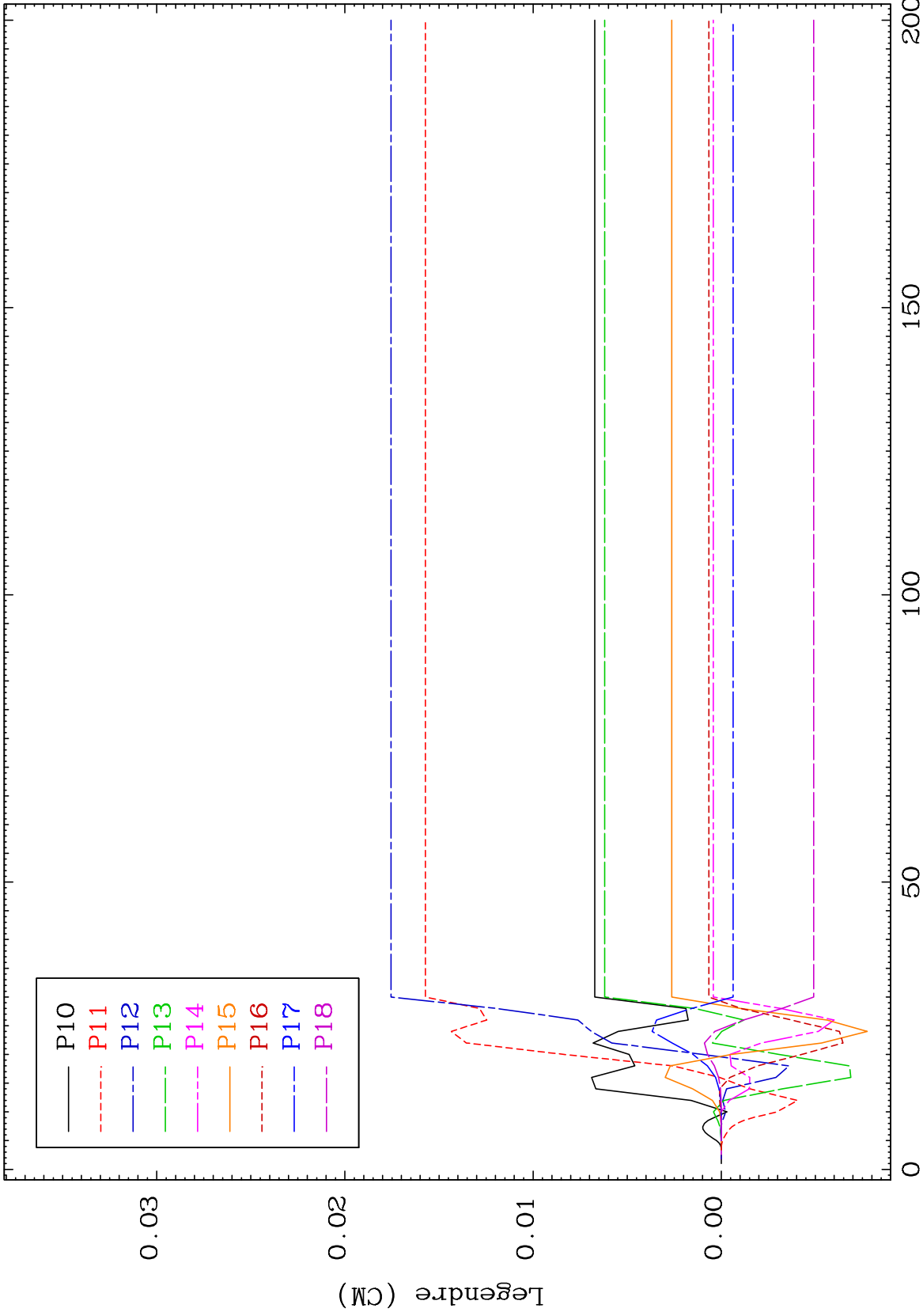
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



45

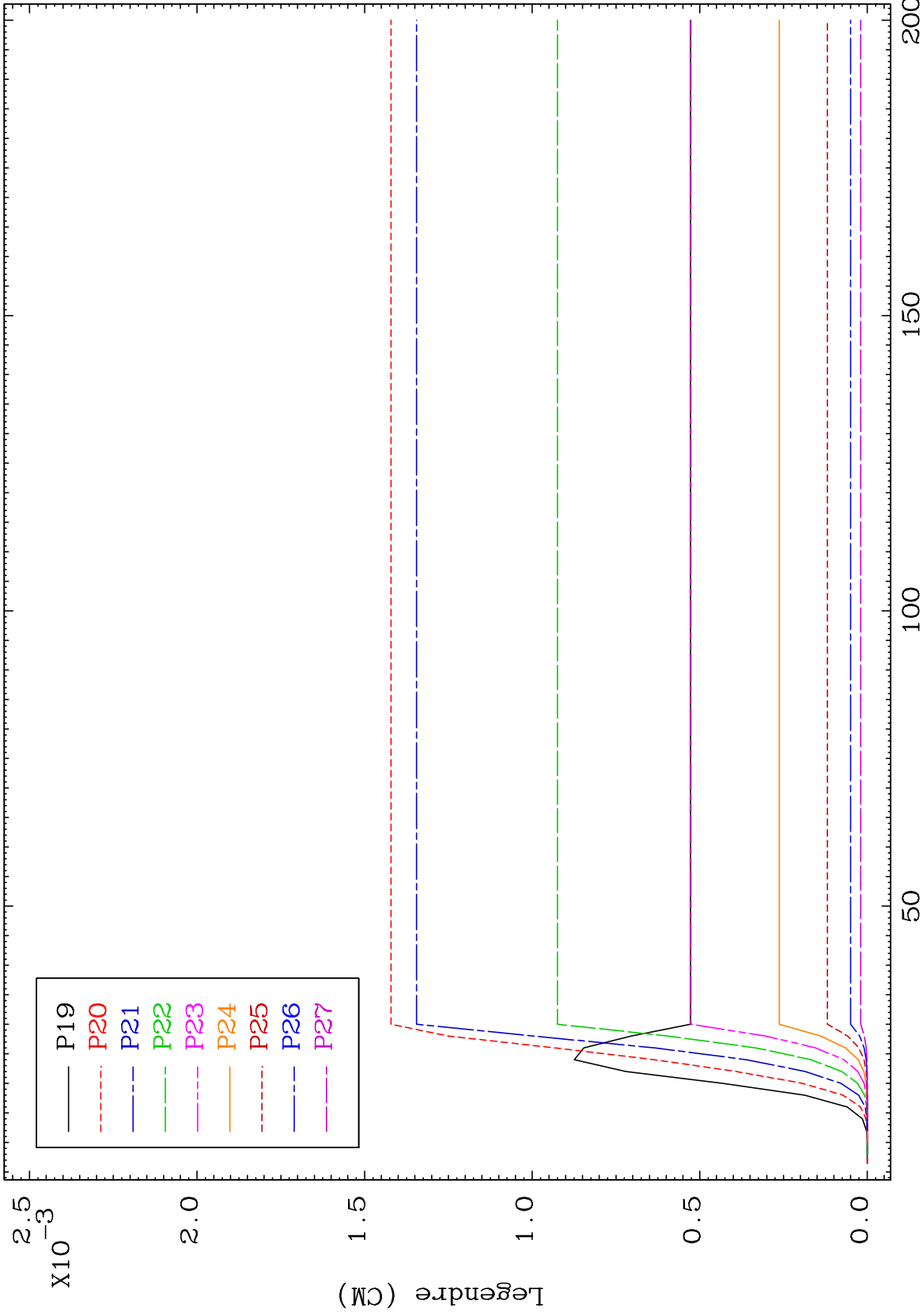
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



46

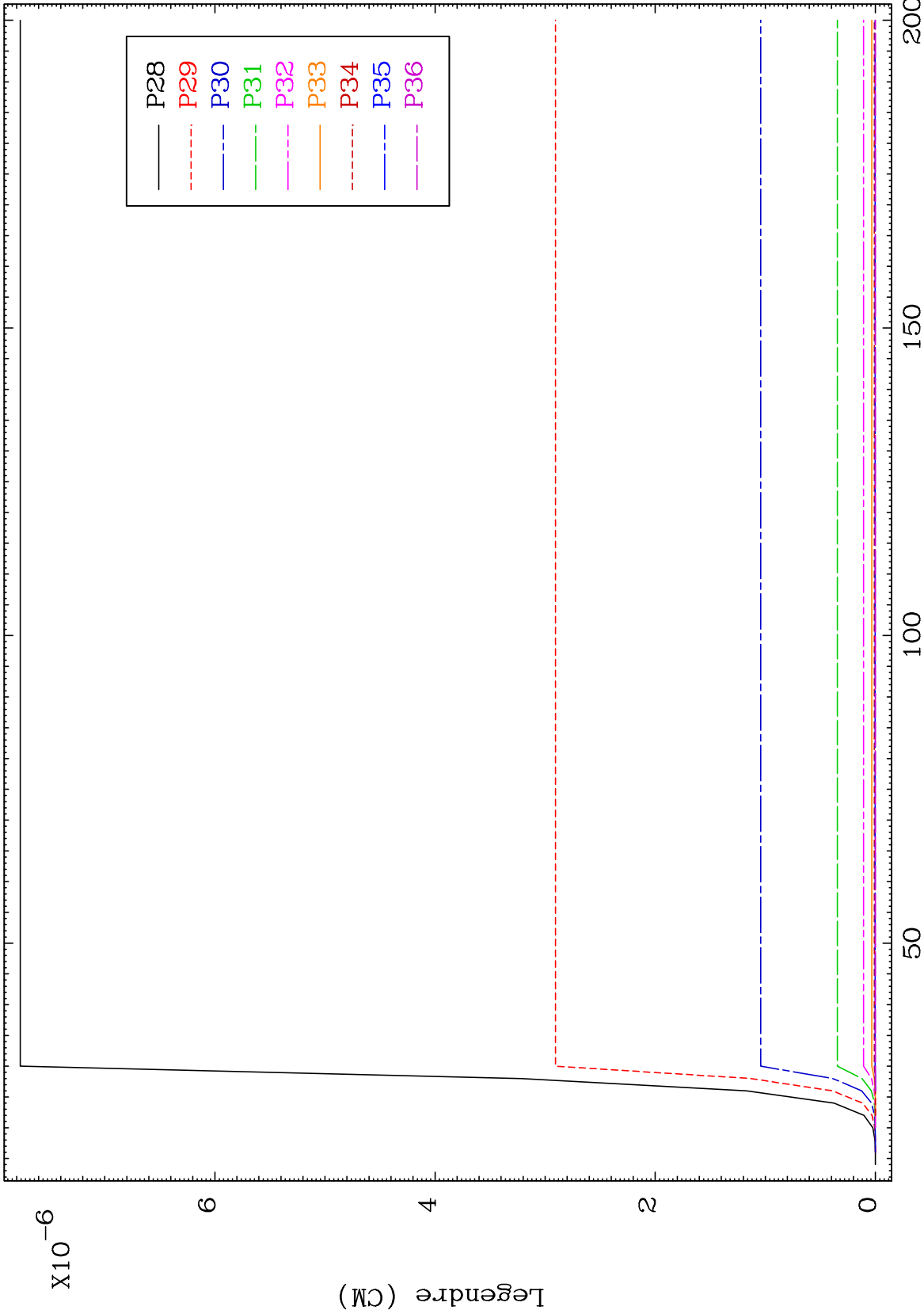
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



47

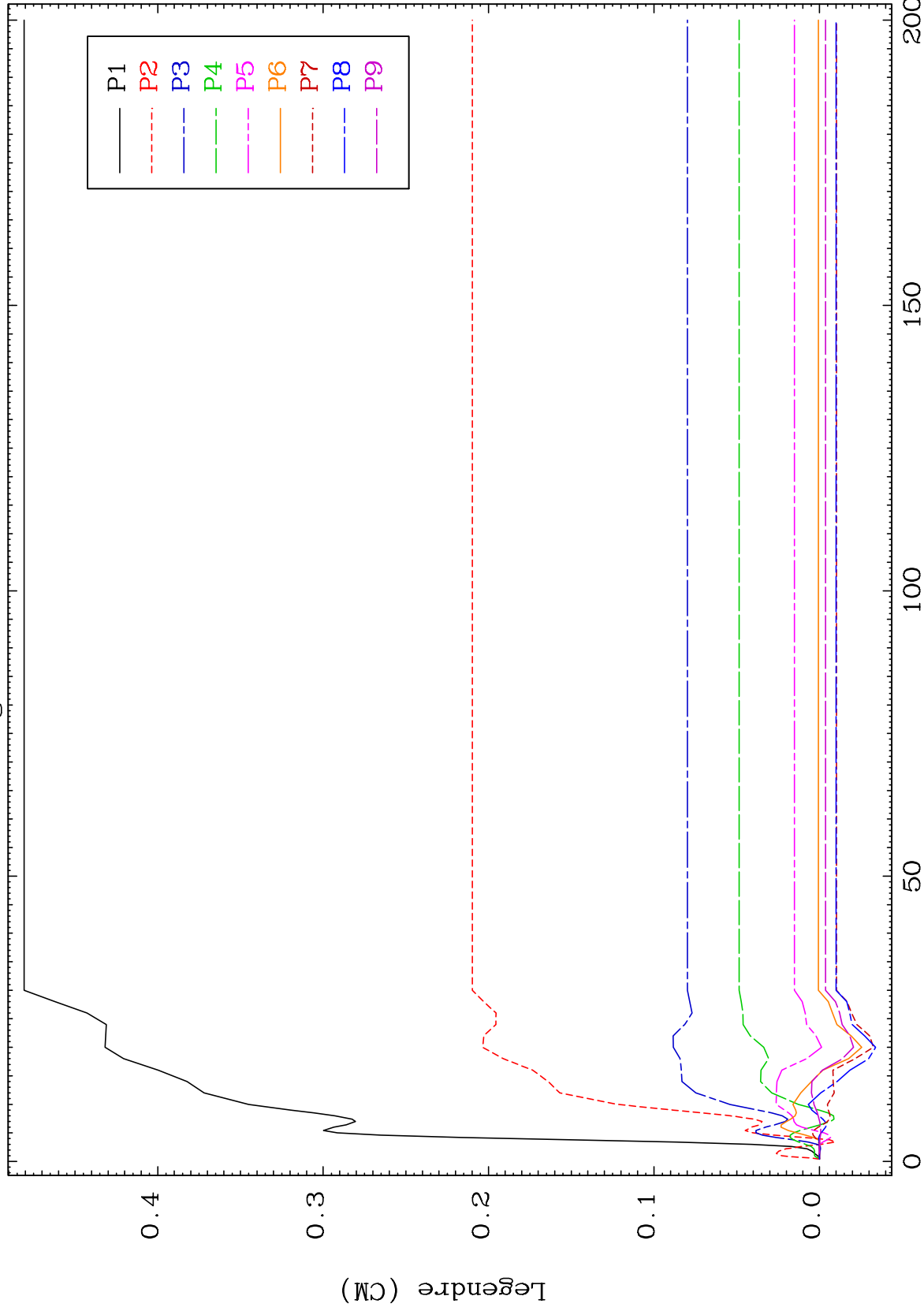
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



48

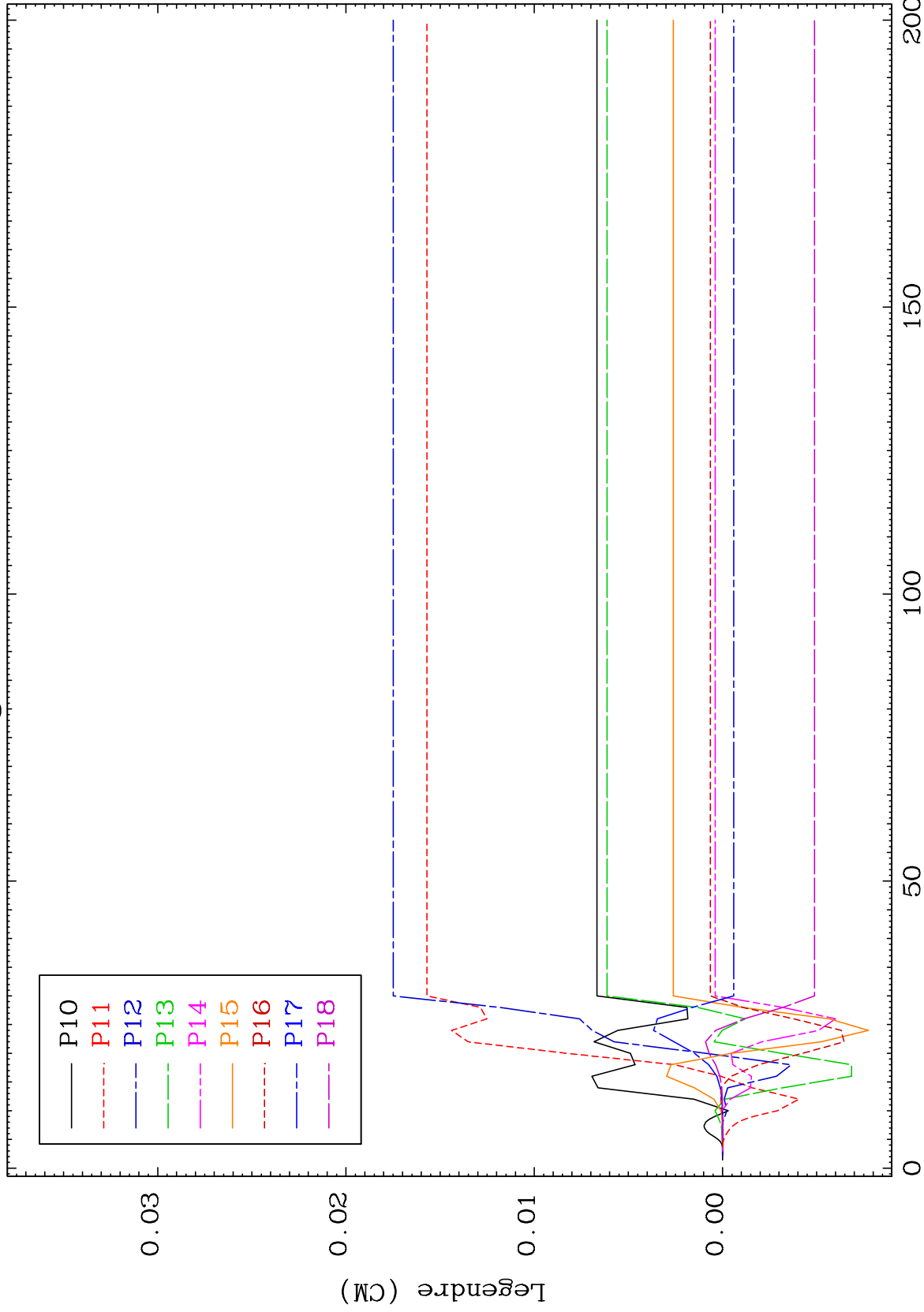
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



49

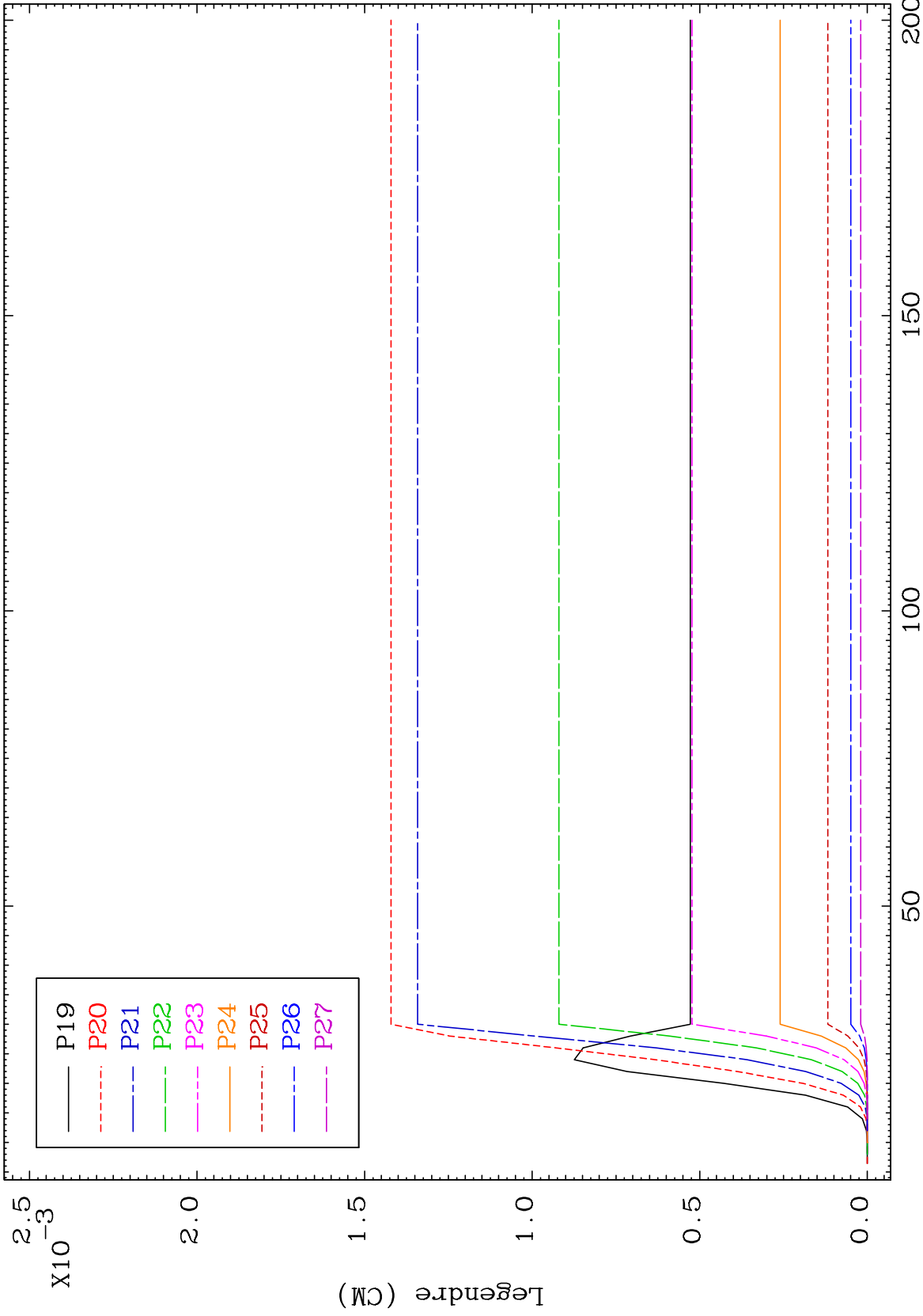
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



50

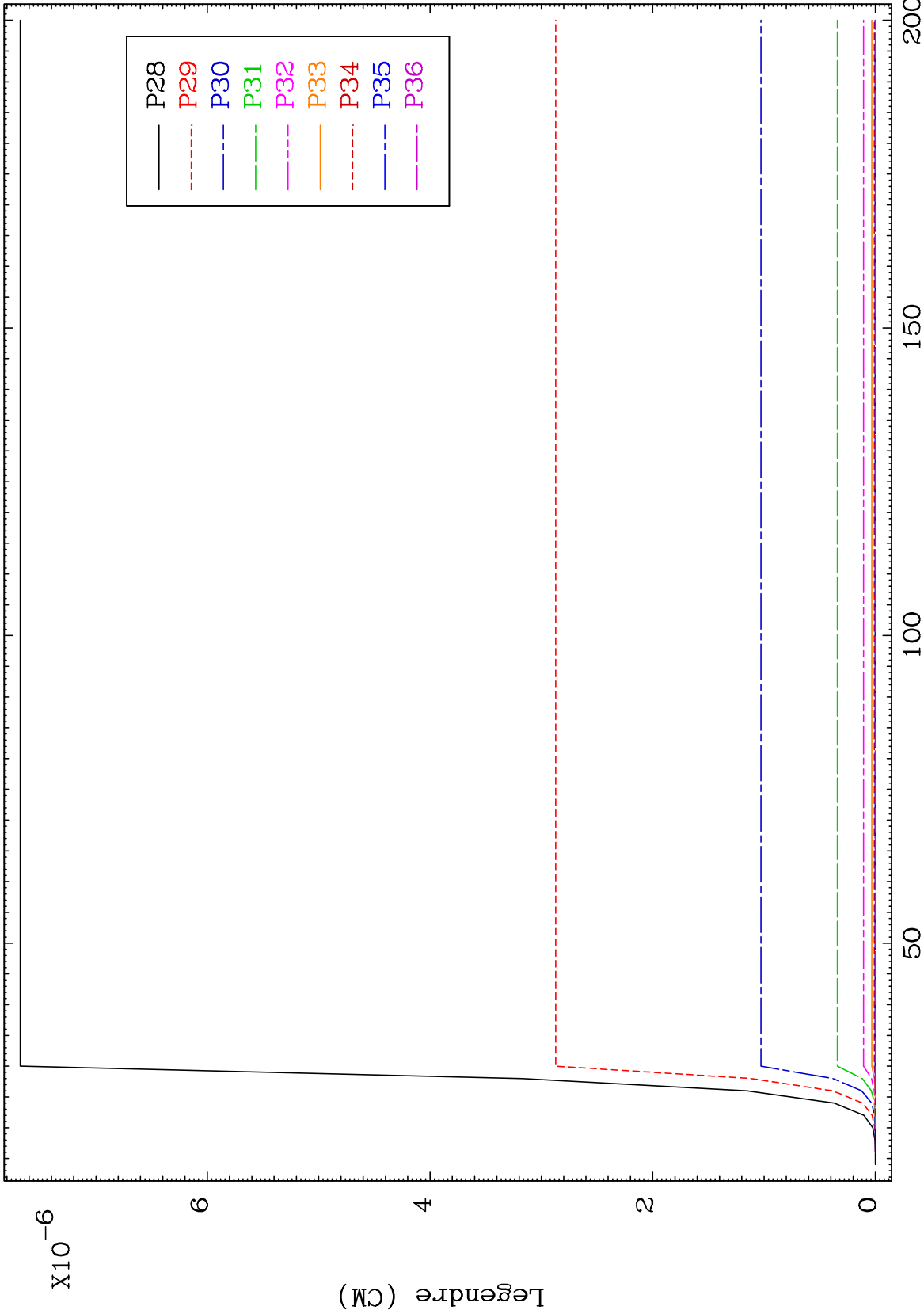
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



51

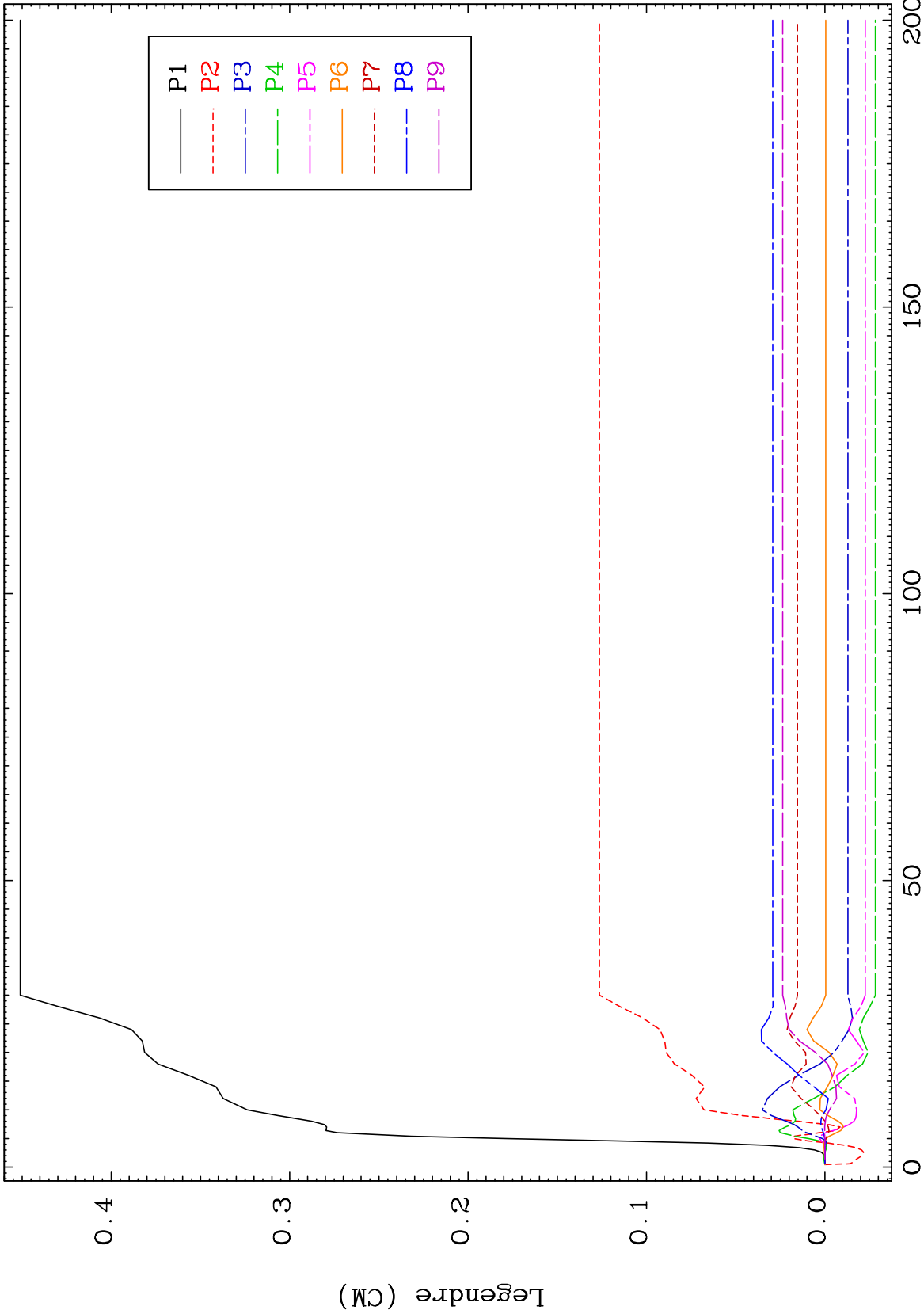
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



52

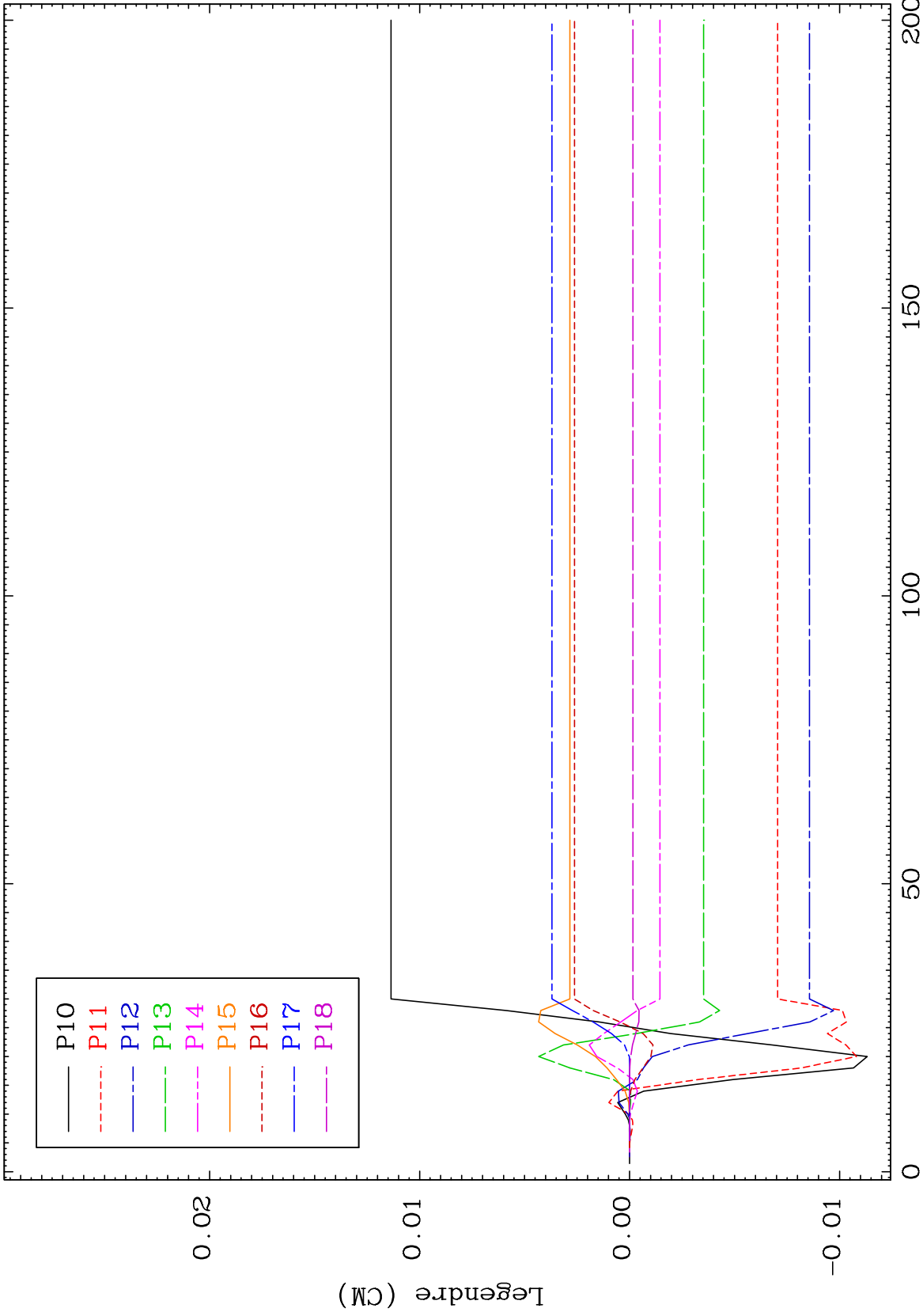
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



53

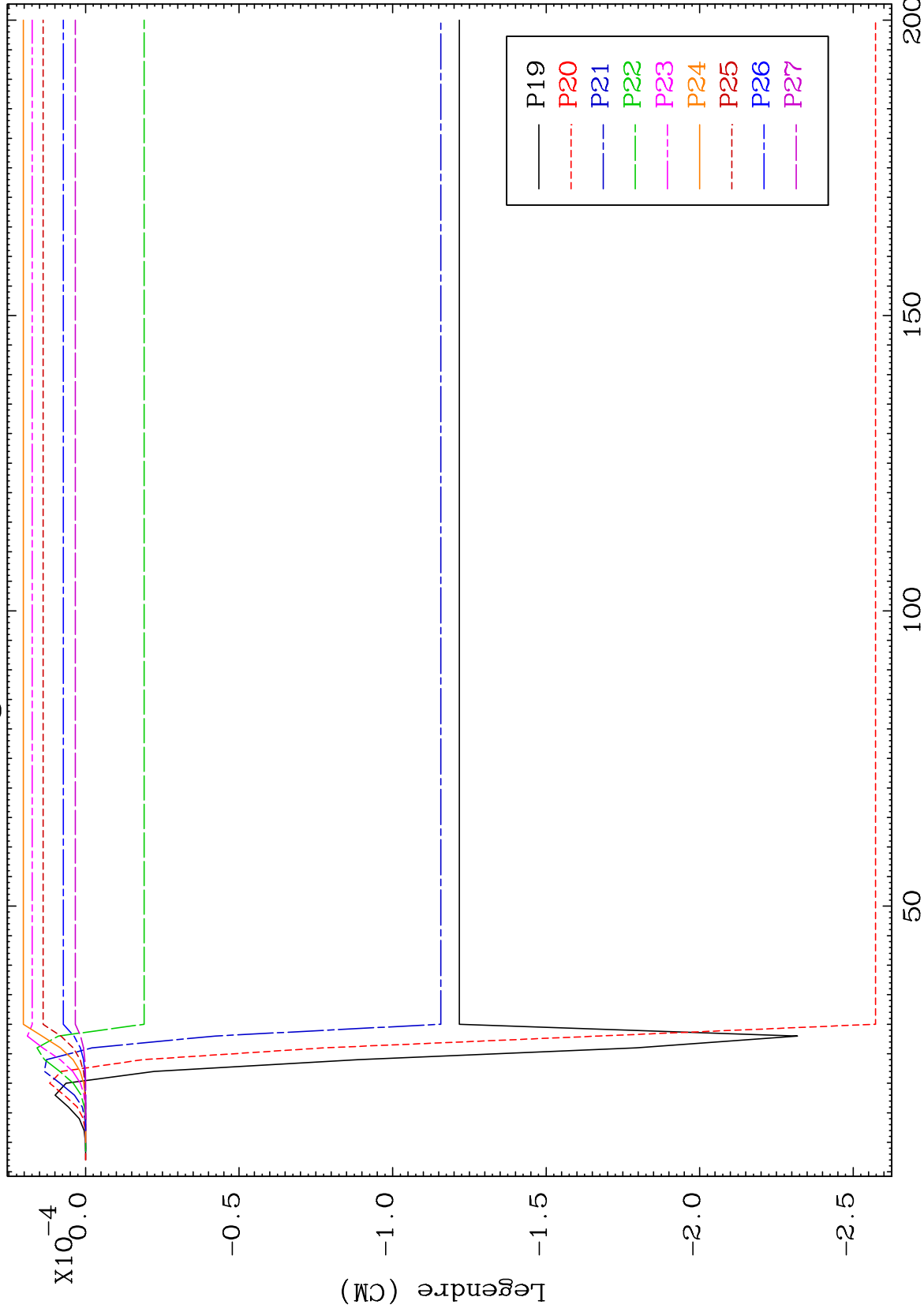
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



54

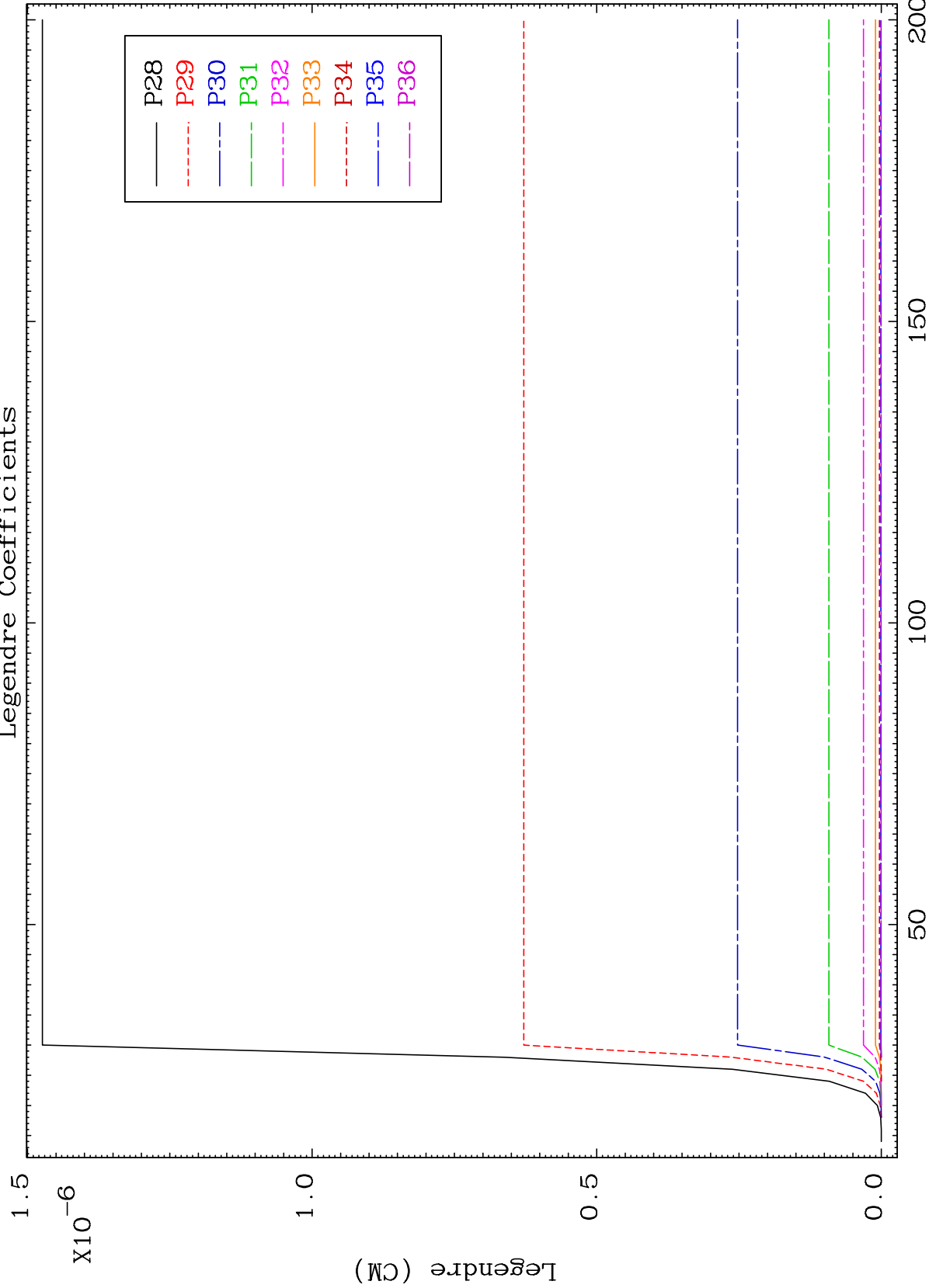
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



55

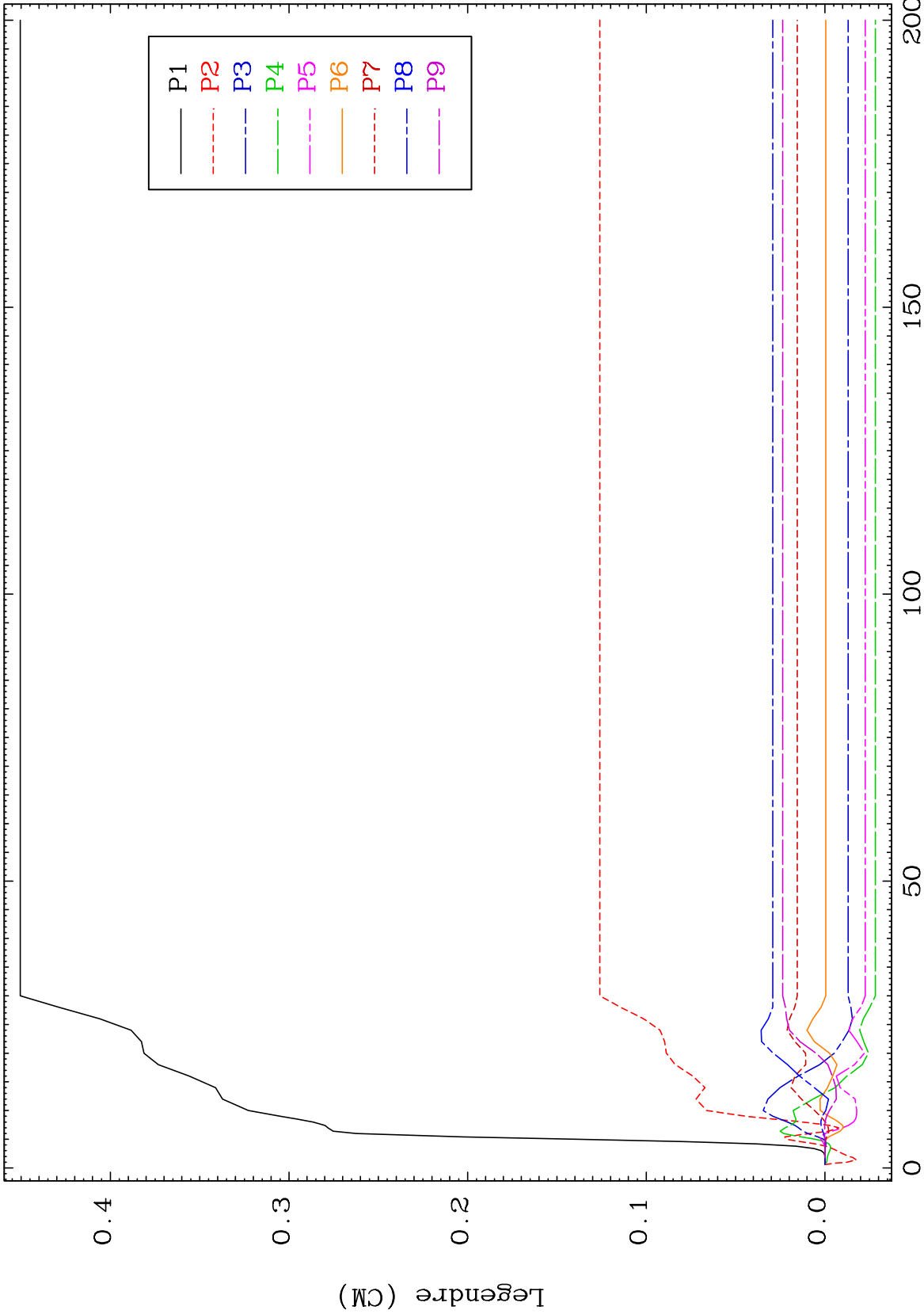
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



56

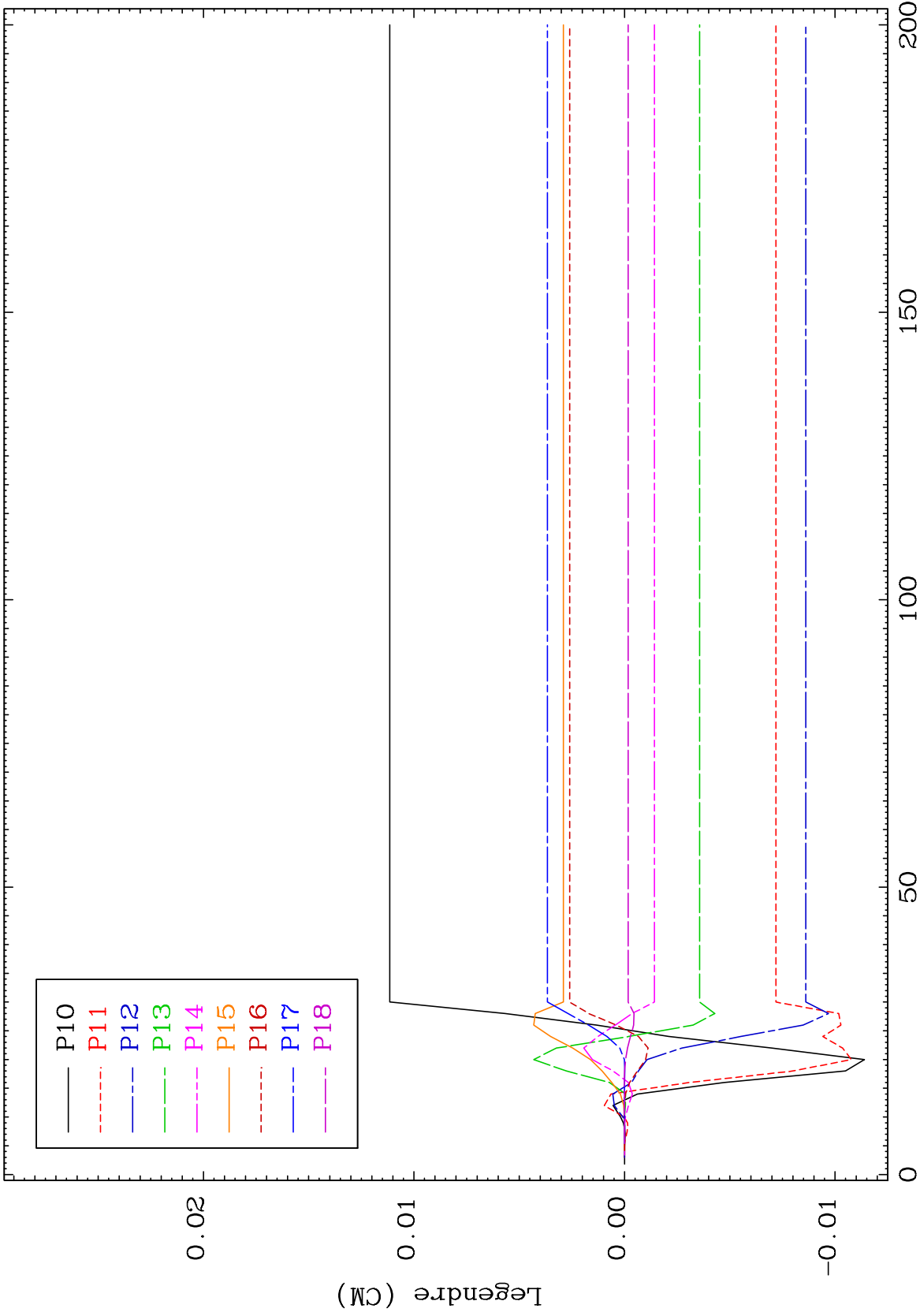
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



57

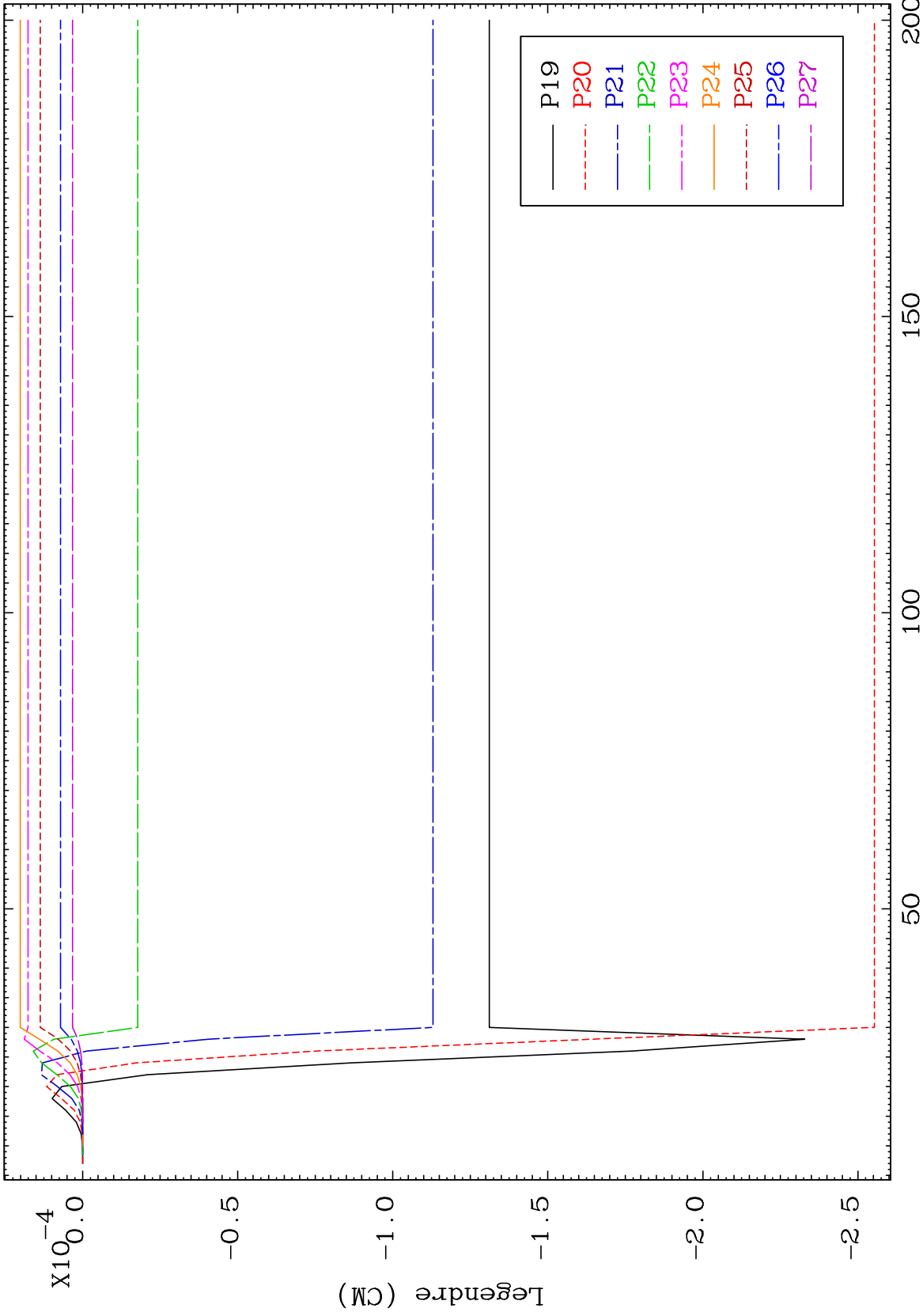
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



58

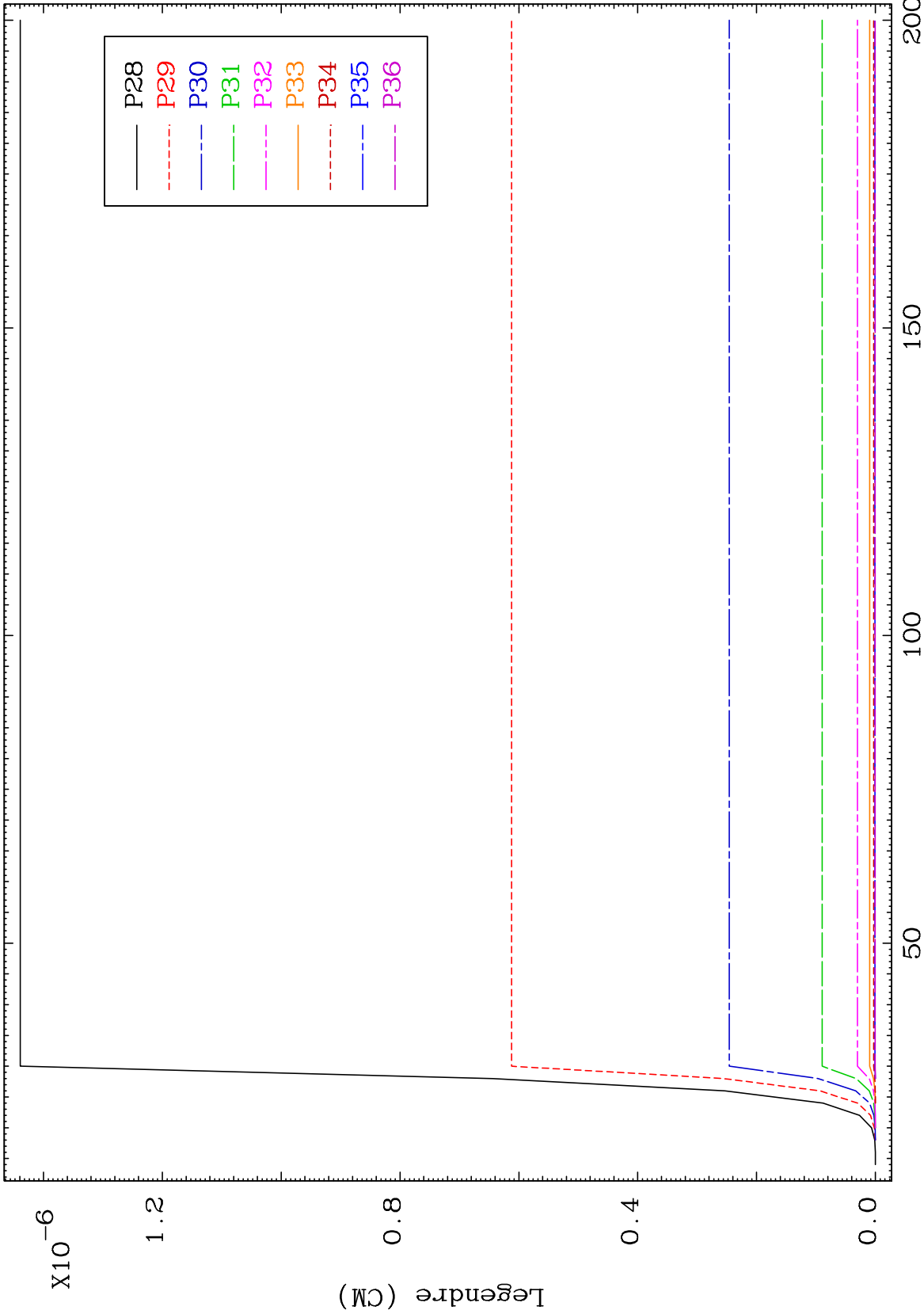
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



59

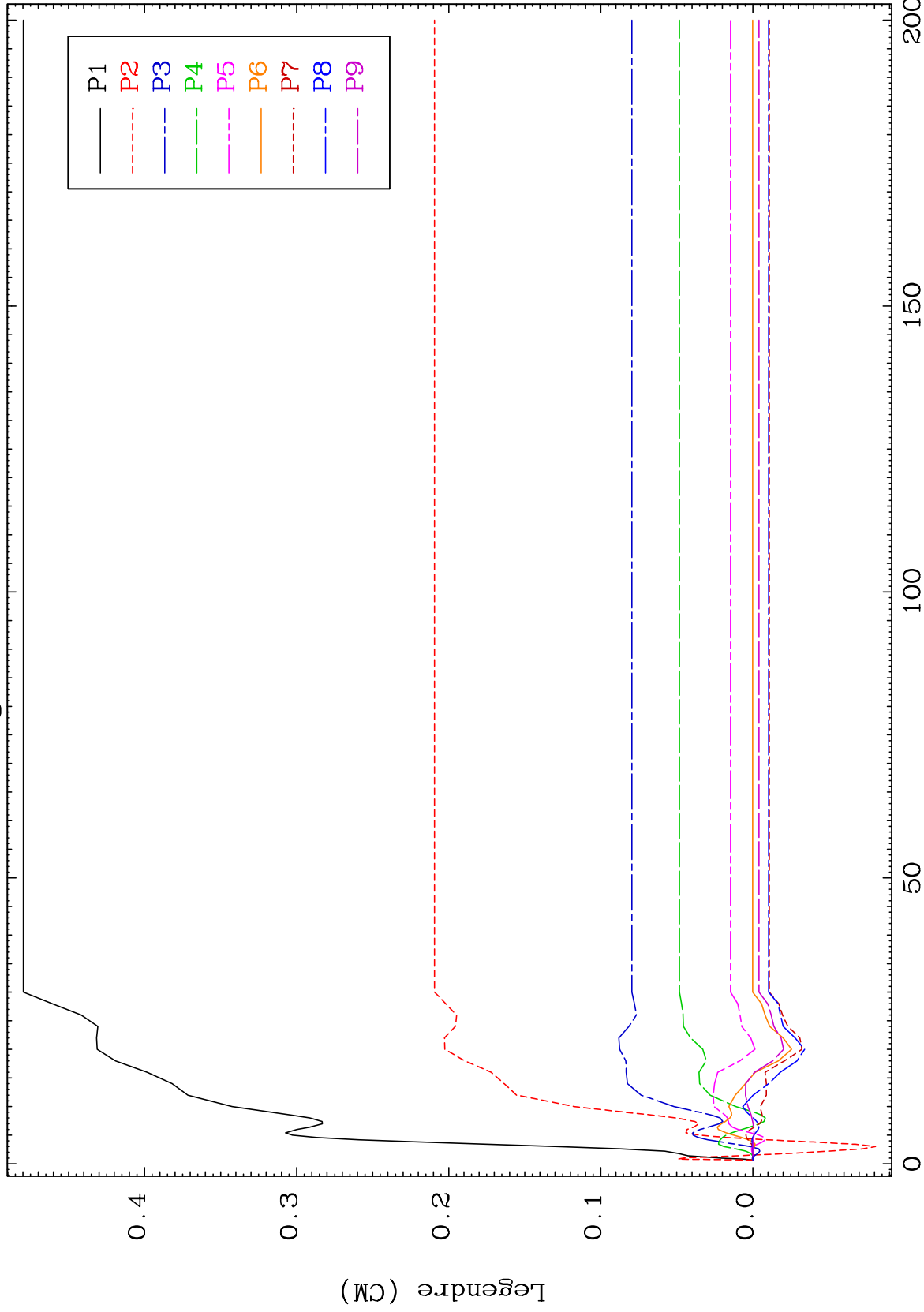
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



63-Eu-159

Incident Energy (MeV)

60

200

150

100

50

0

0.4

0.3

0.2

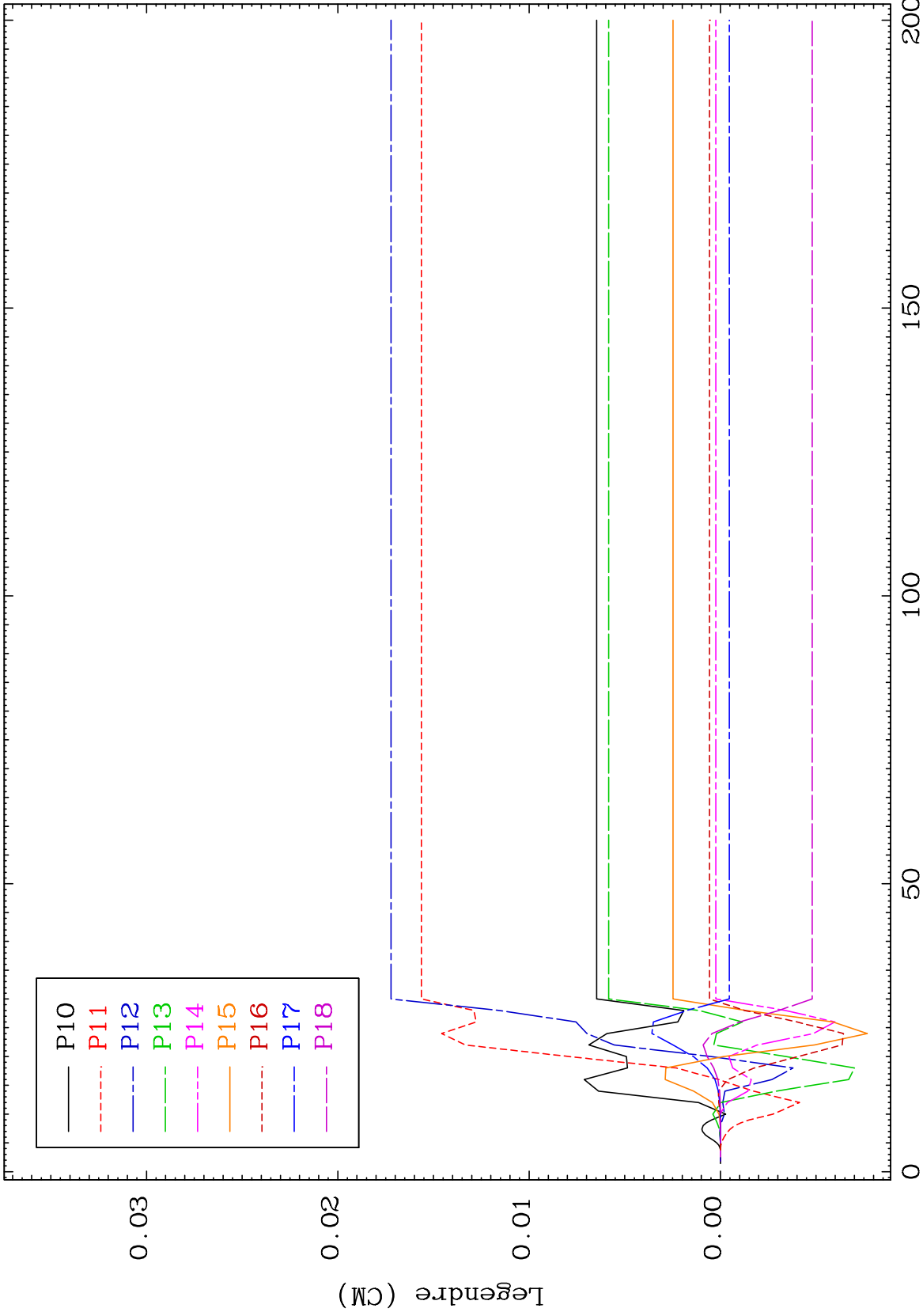
0.1

0.0

MAT 6349

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

63-Eu-159



61

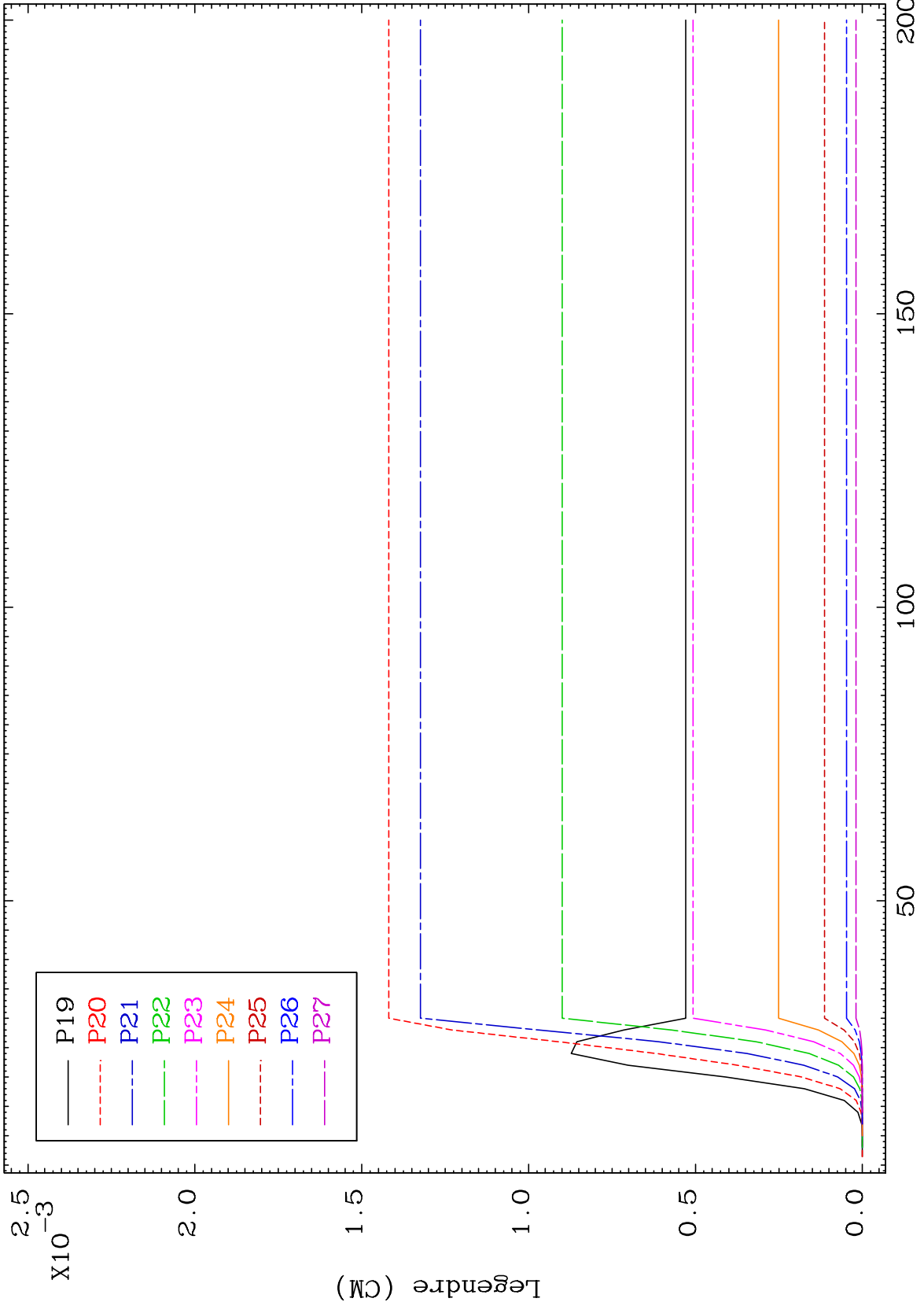
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



62

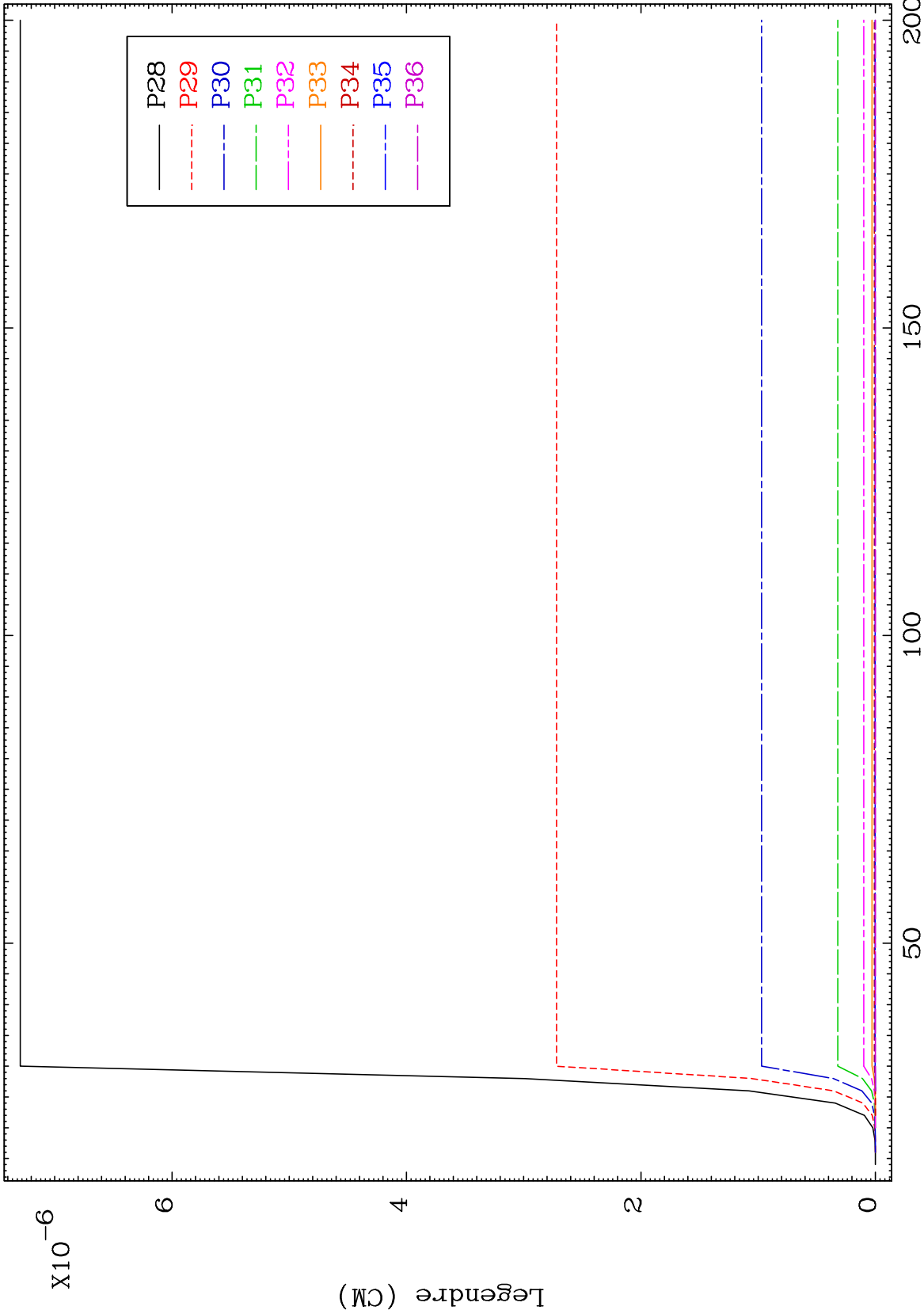
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



63

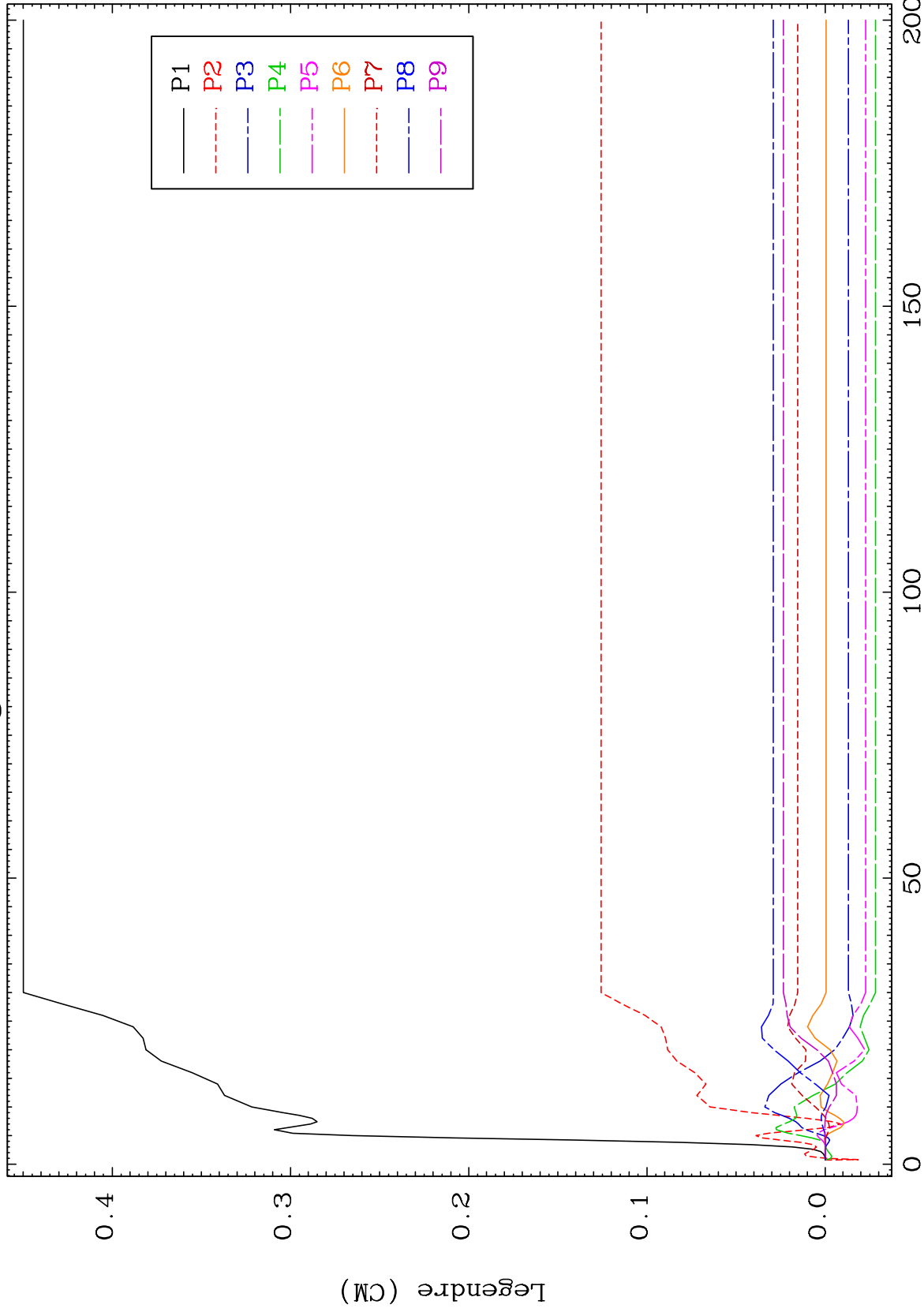
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



64

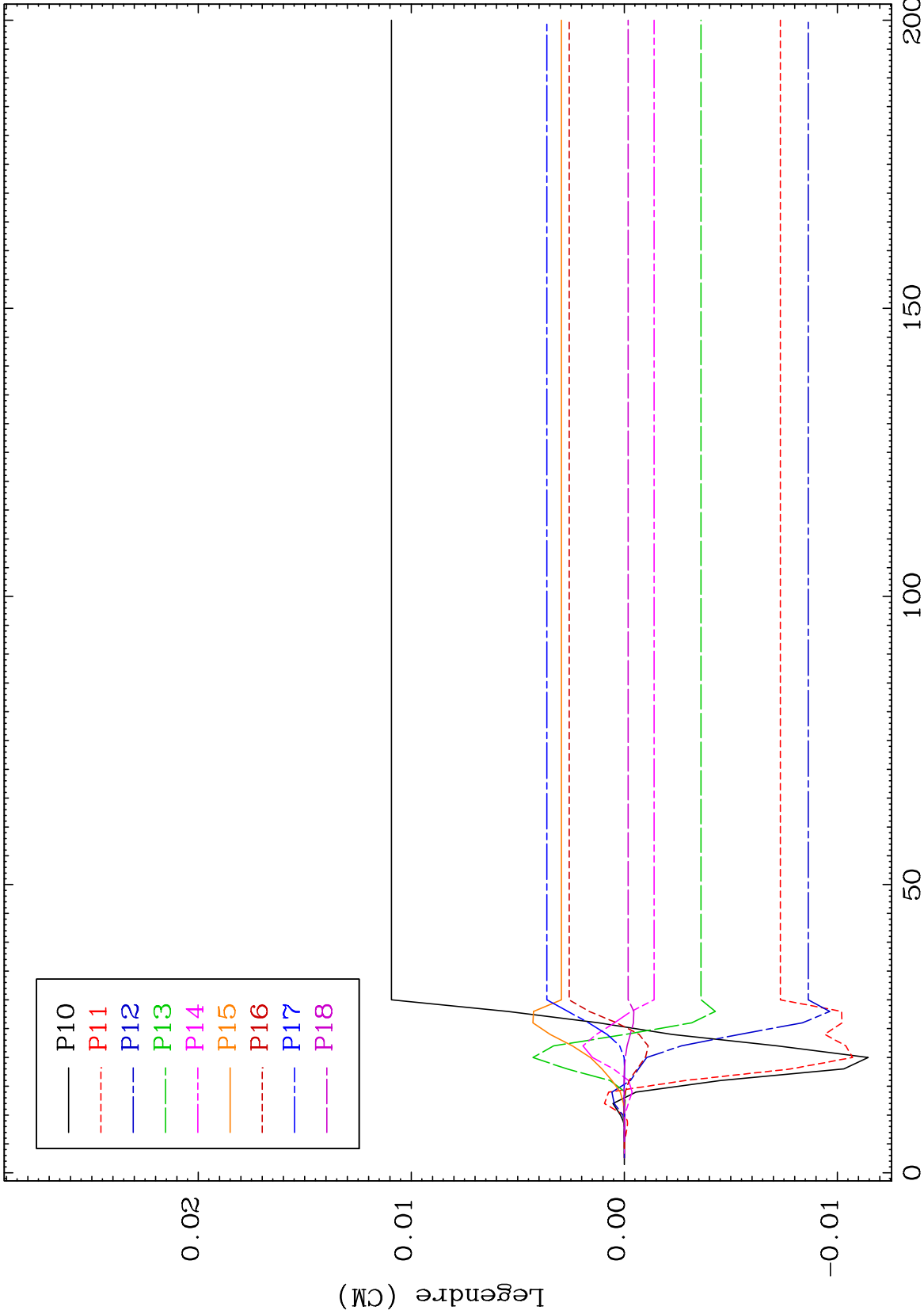
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



65

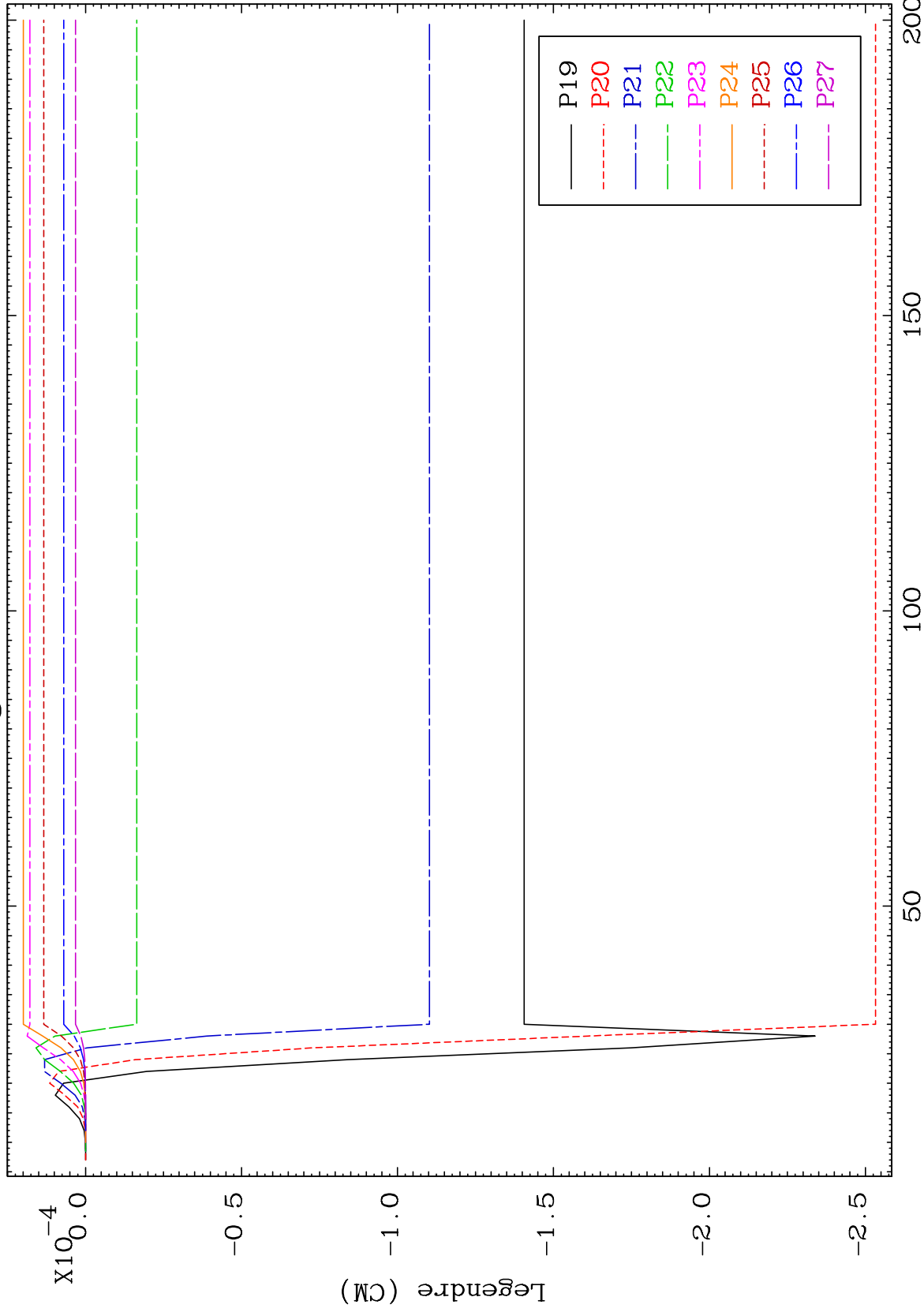
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



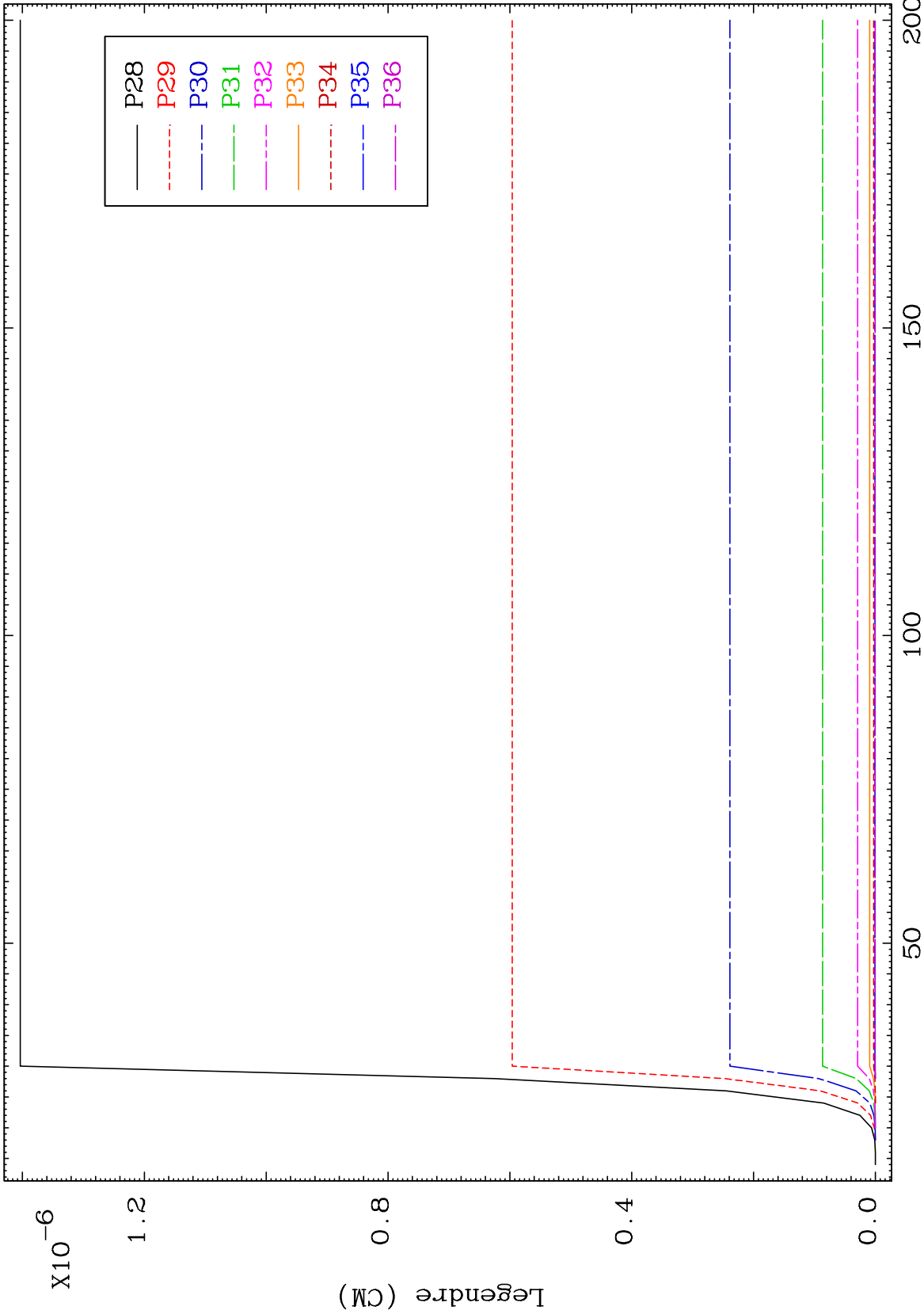
66

63-Eu-159

MAT 6349

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

63-Eu-159



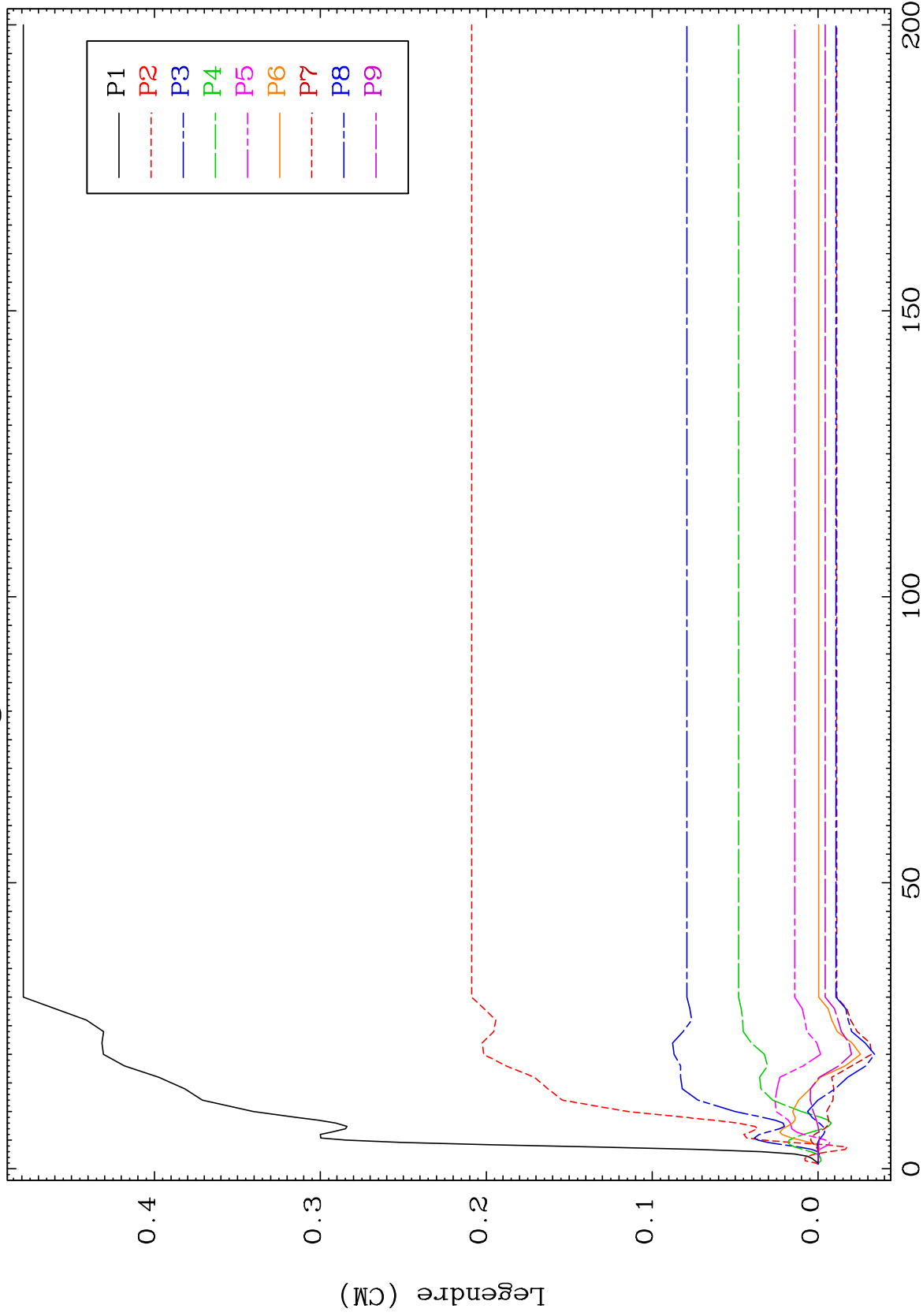
67

63-Eu-159

MAT 6349

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

63-Eu-159



68

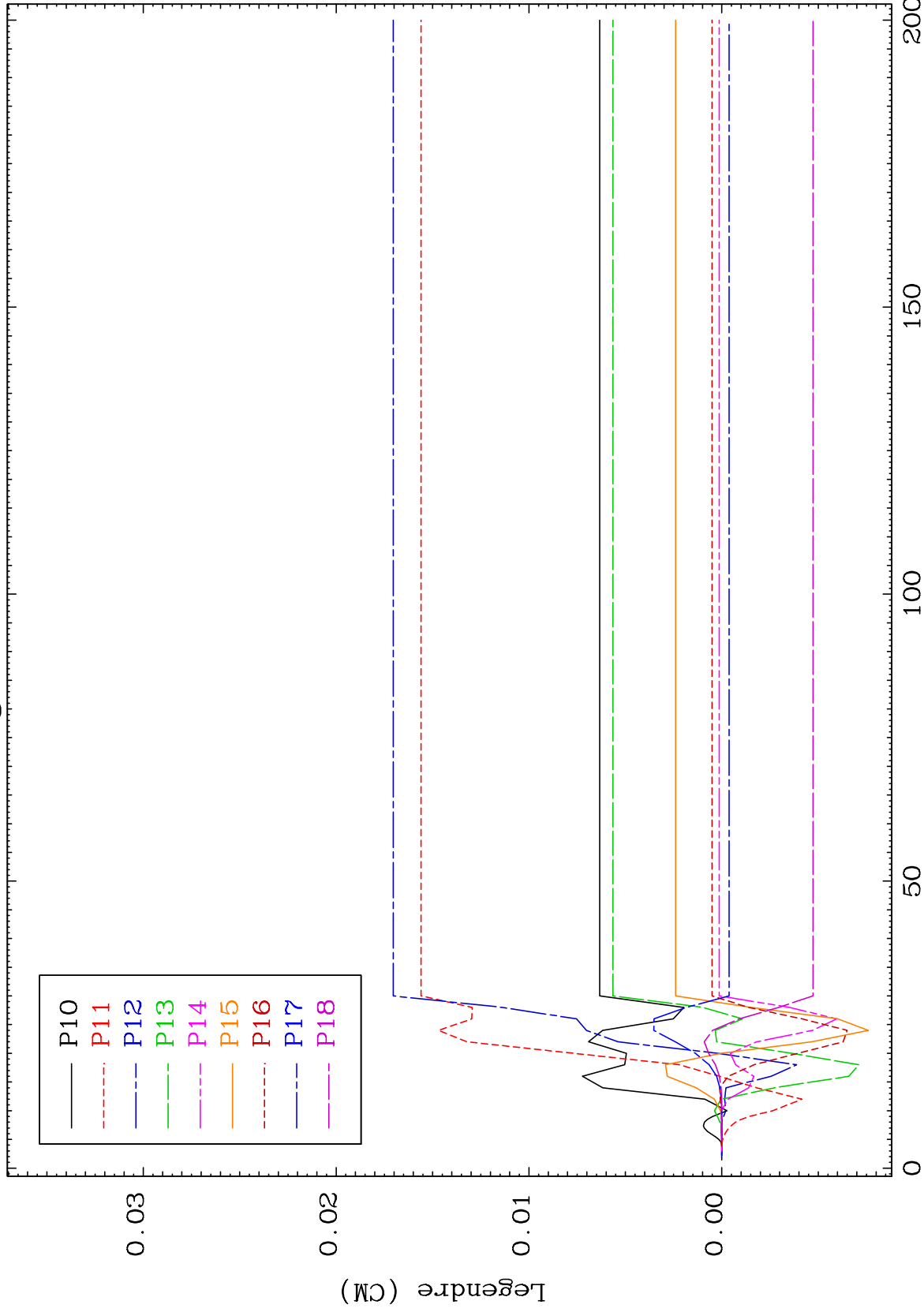
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



69

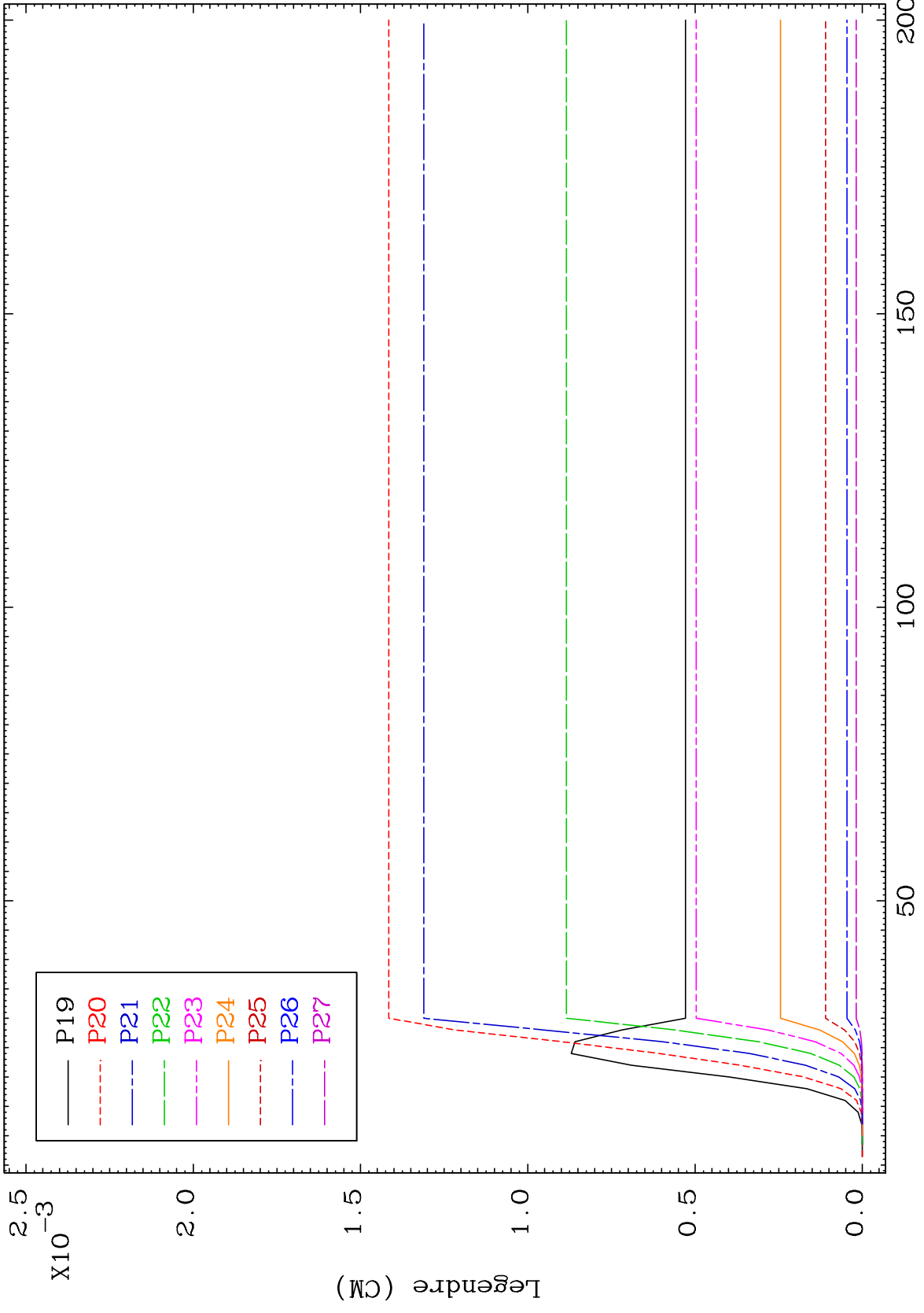
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



70

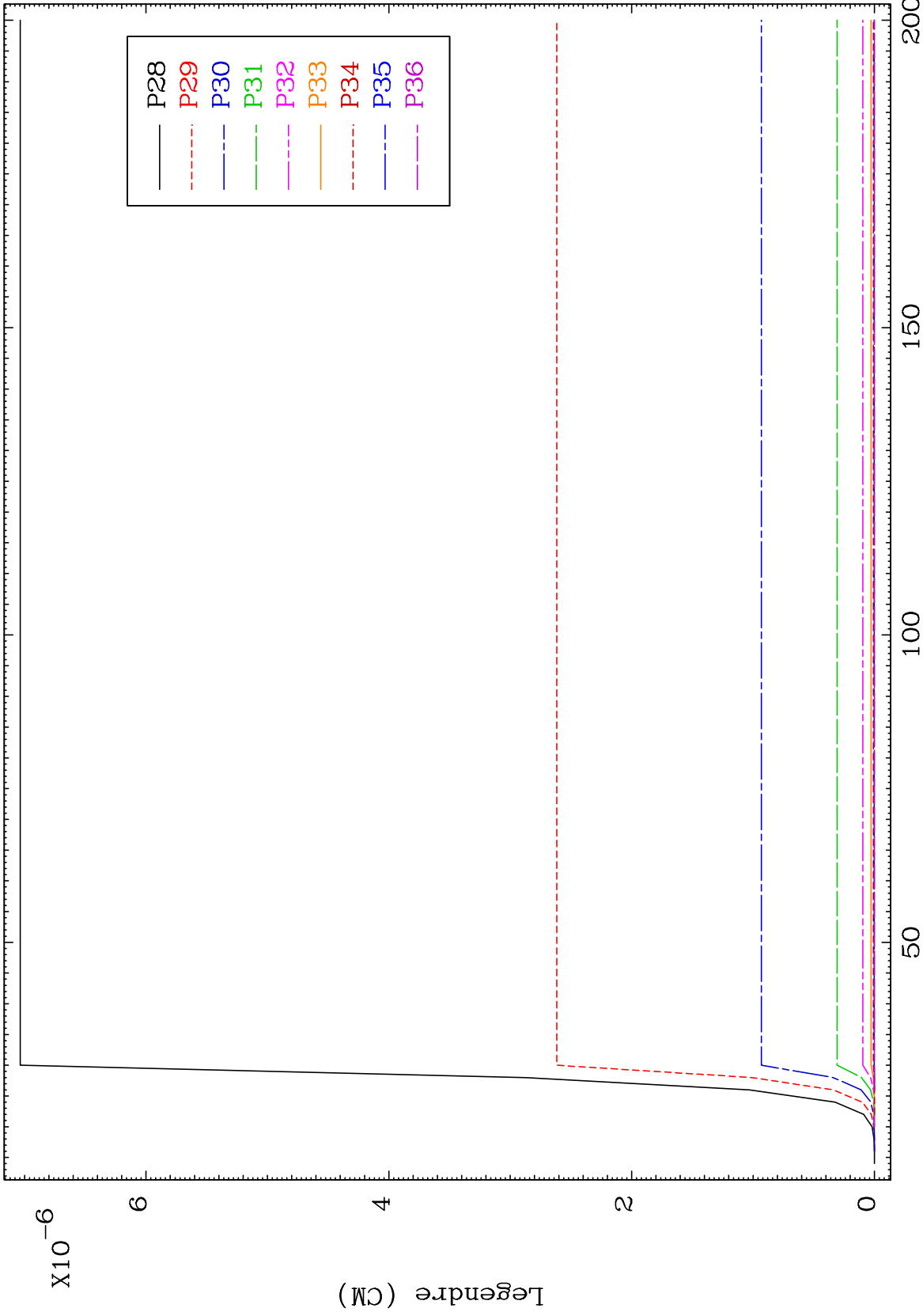
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



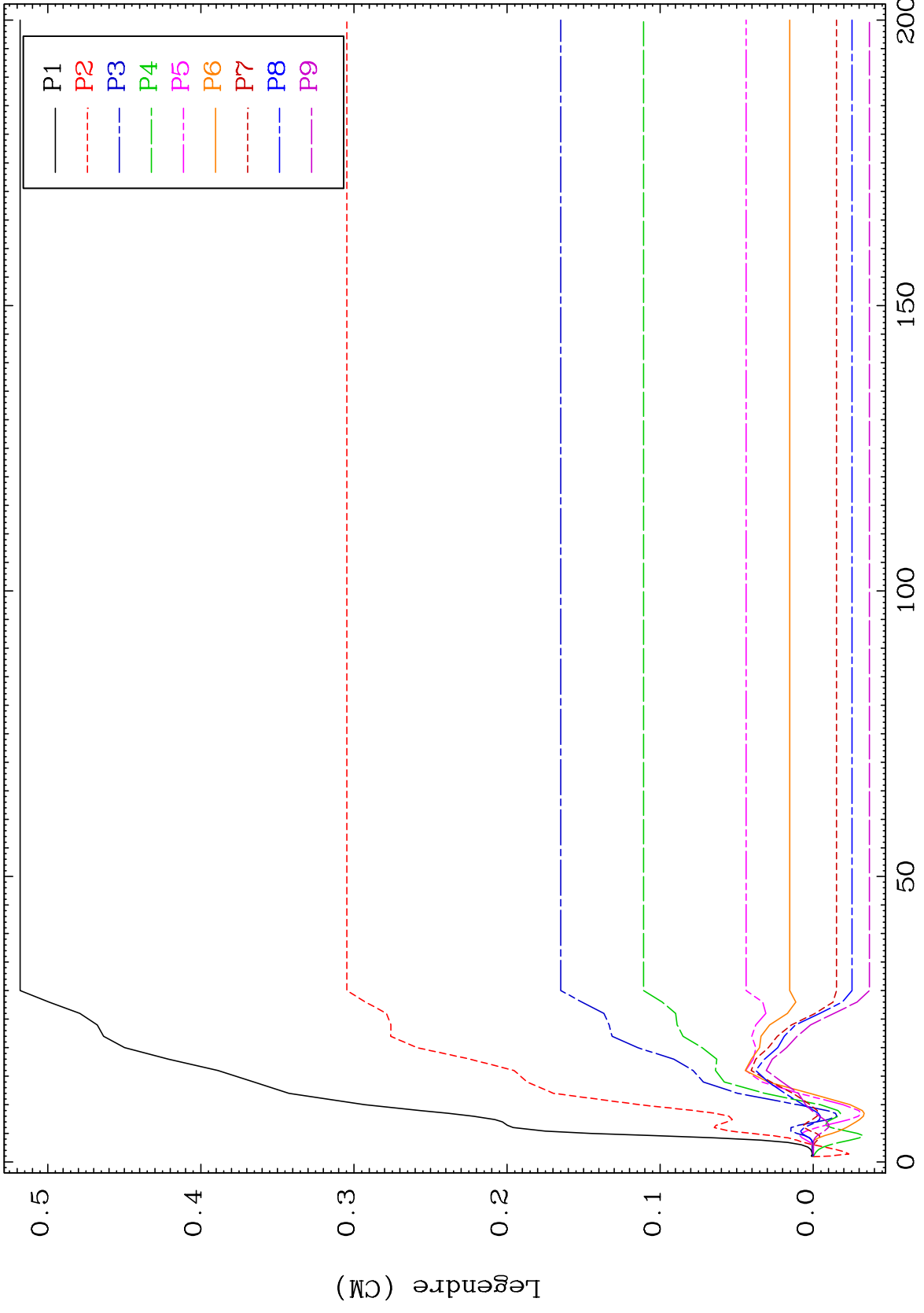
71

63-Eu-159

MAT 6349

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

63-Eu-159



72

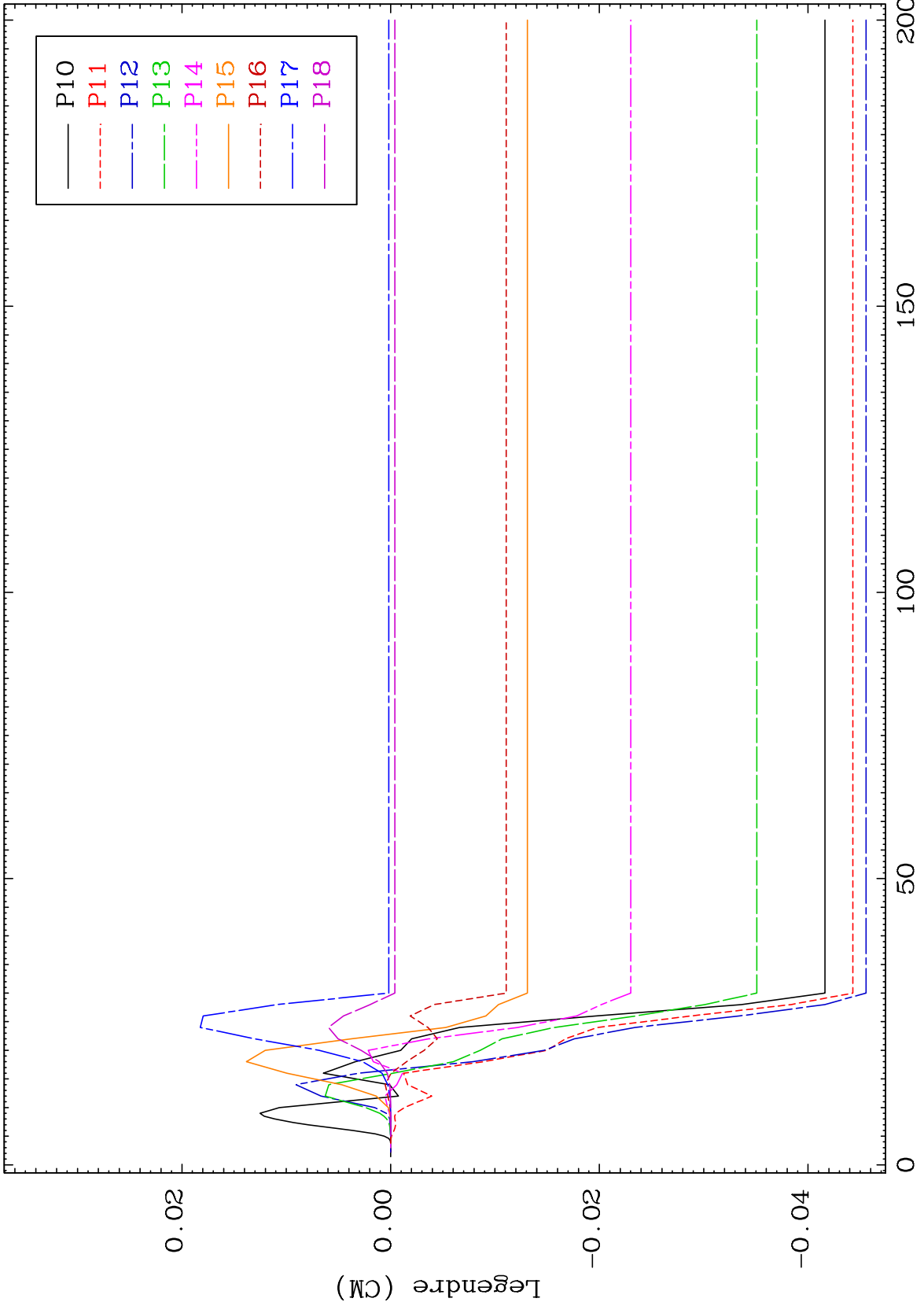
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



73

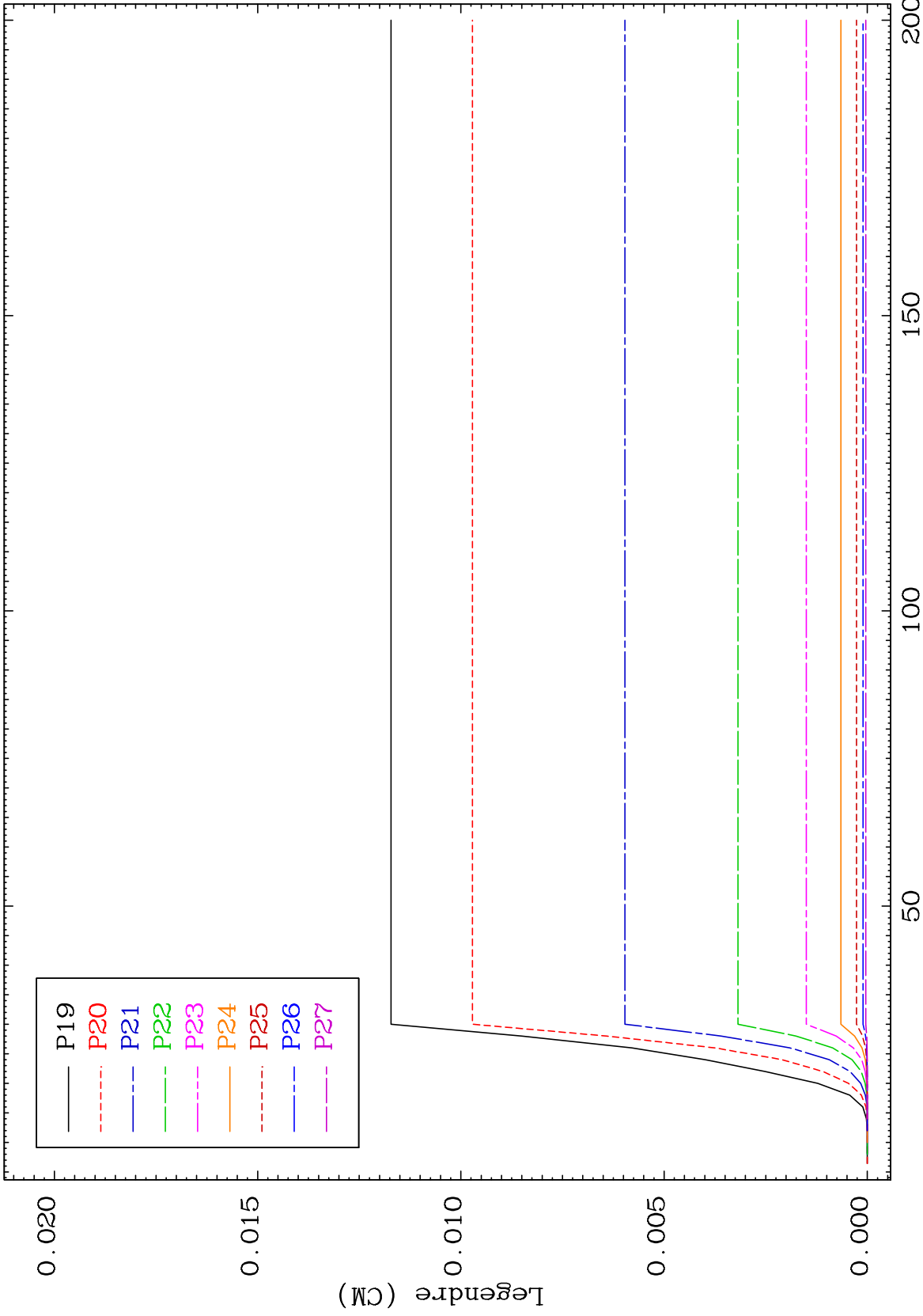
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



74

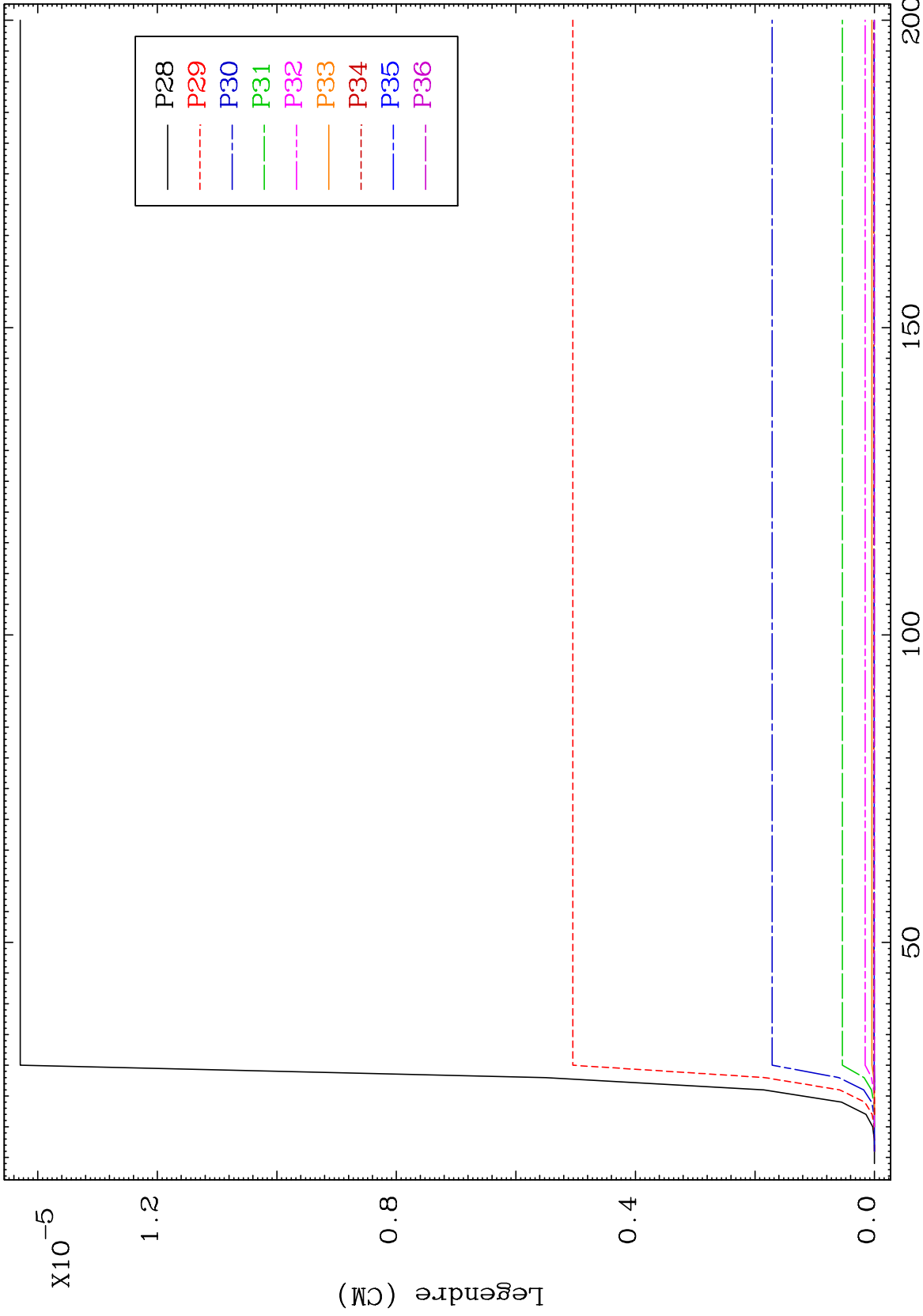
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



75

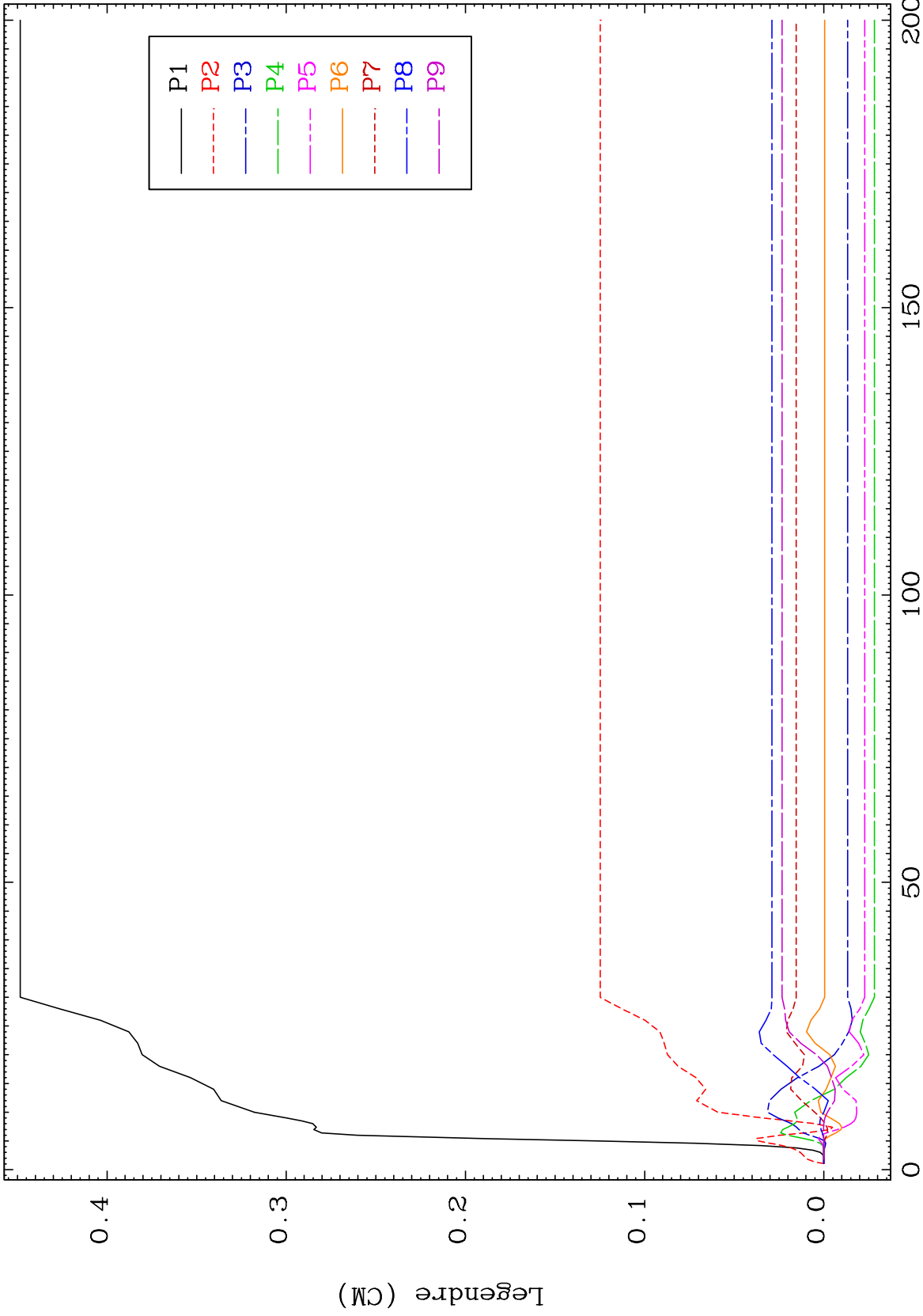
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



76

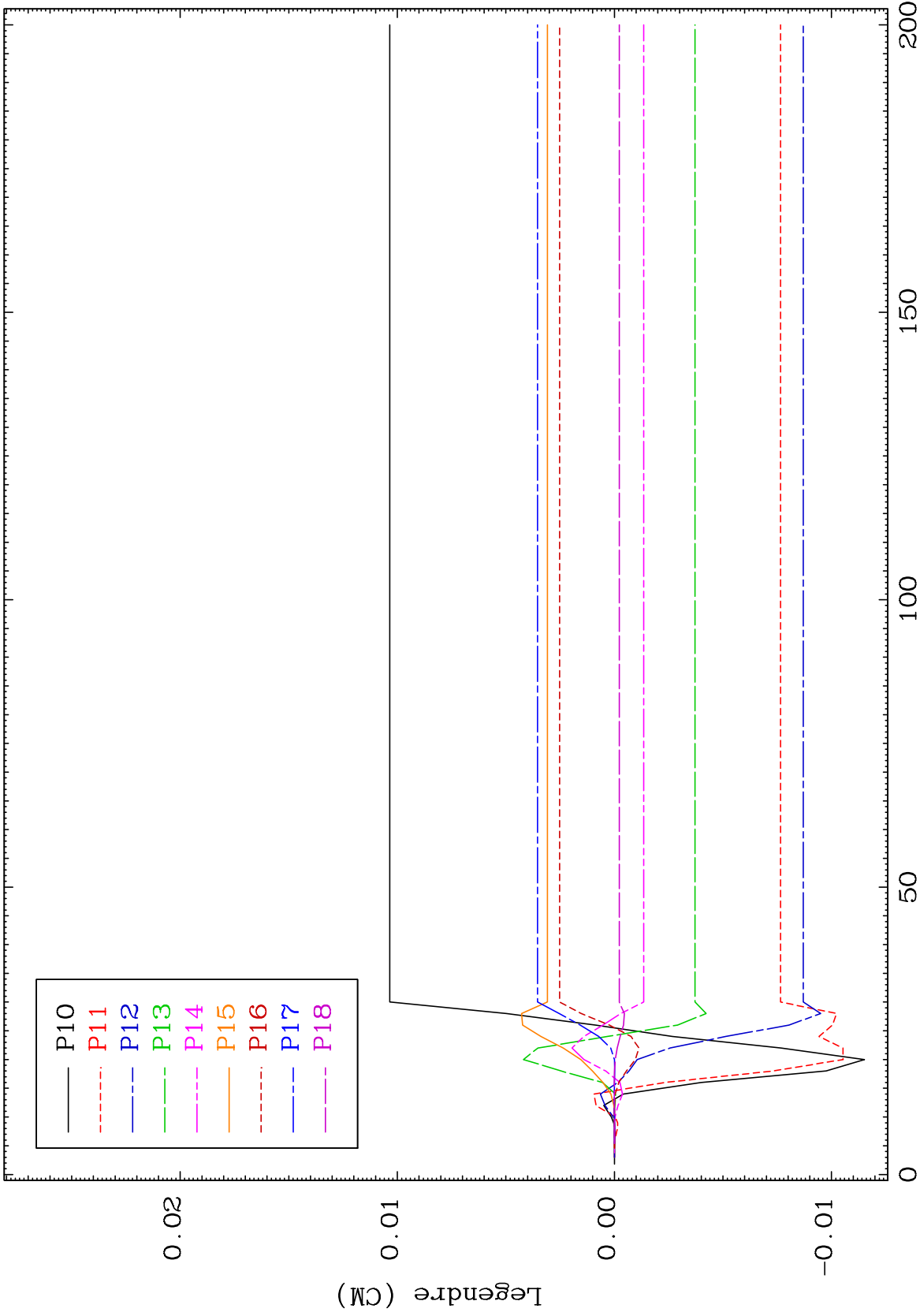
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



77

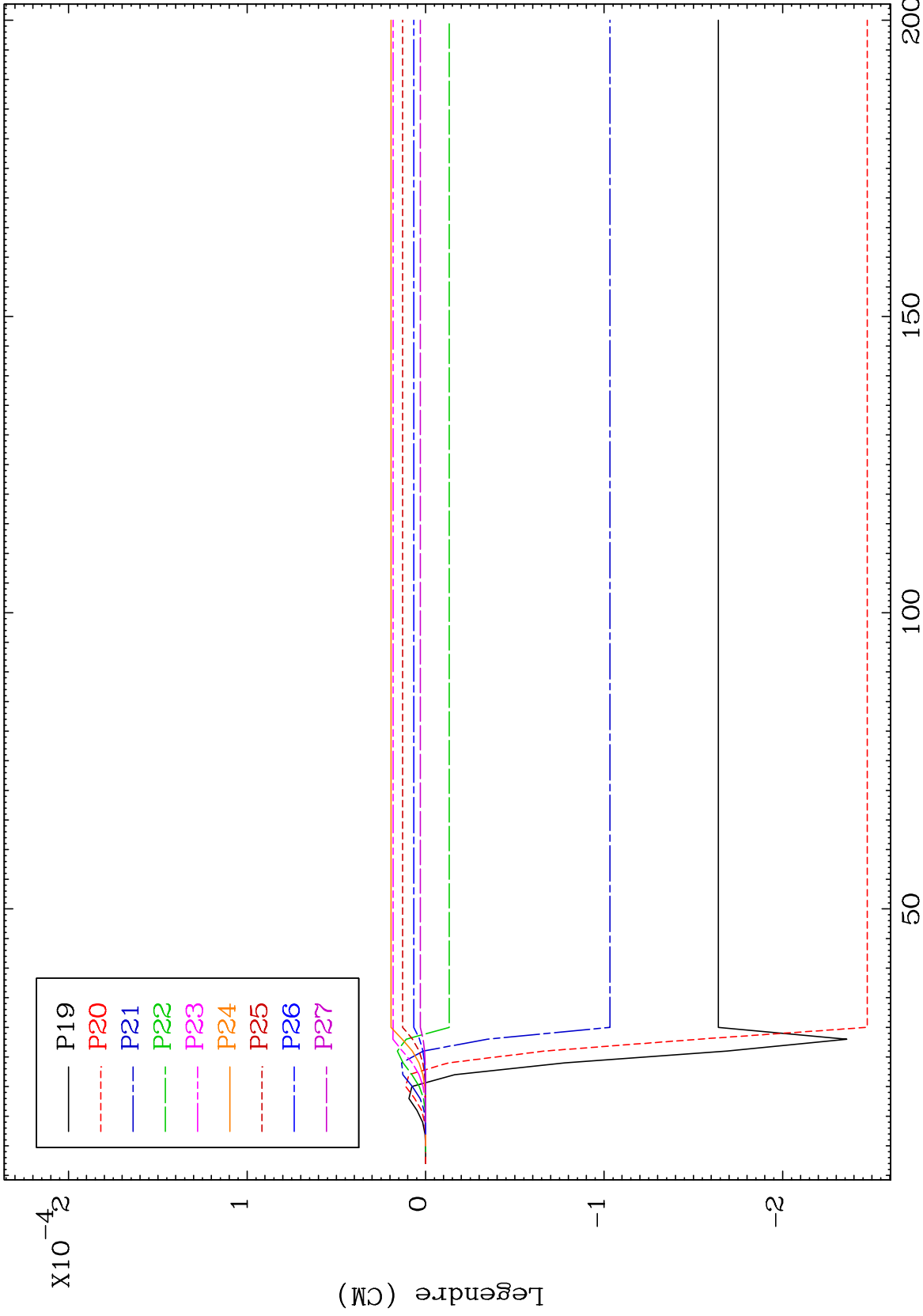
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



78

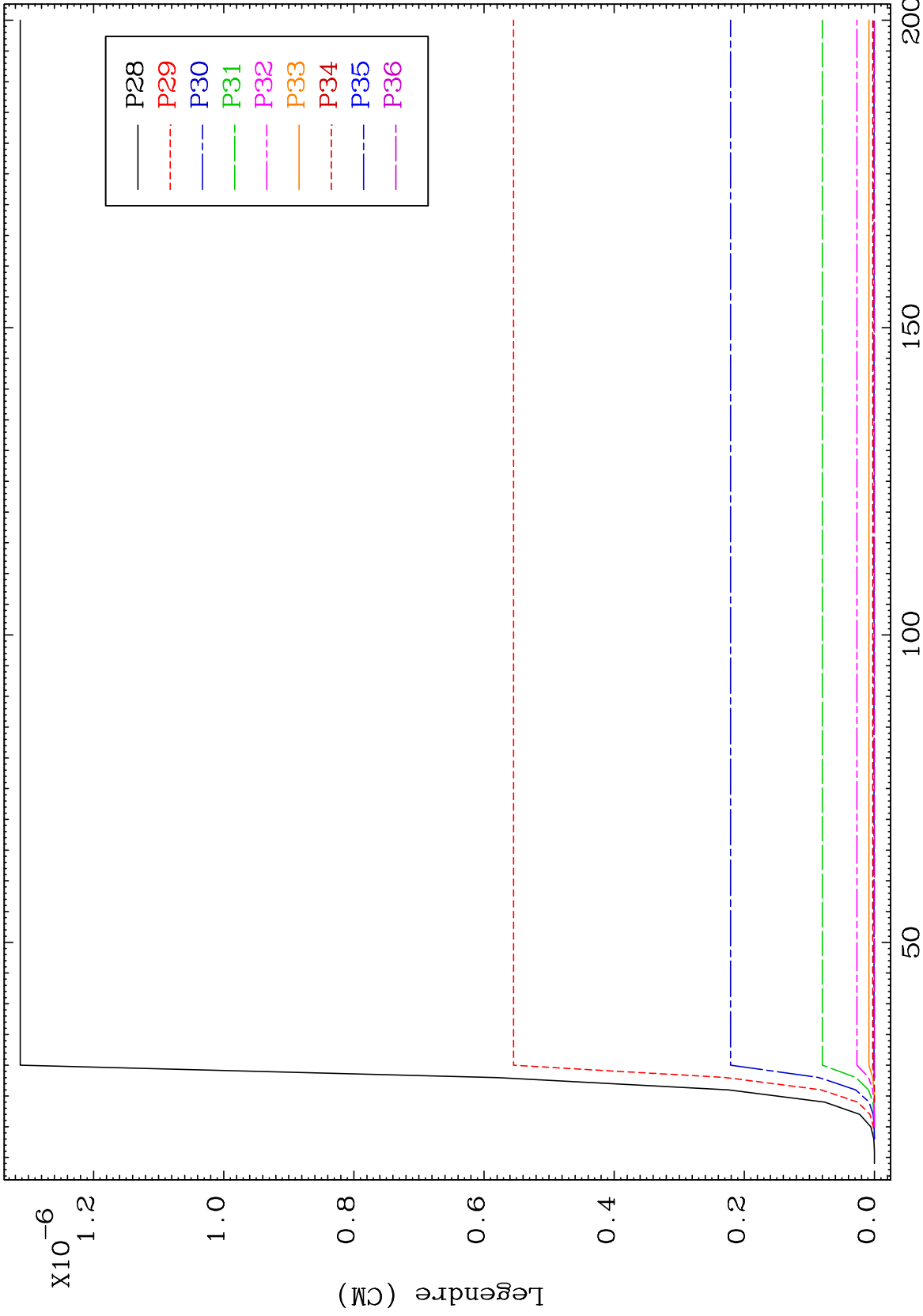
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



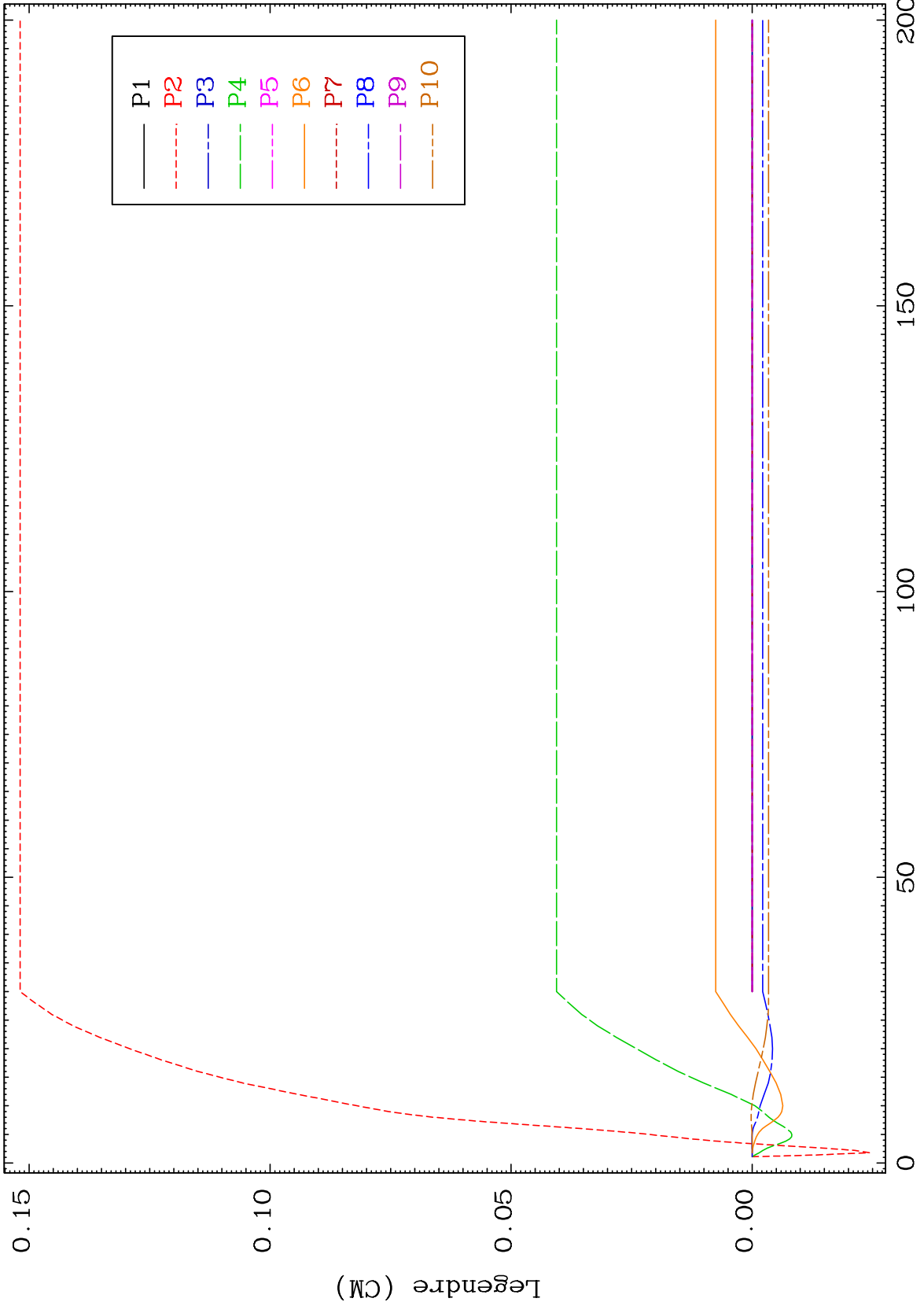
79

63-Eu-159

MAT 6349

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

63-Eu-159



80

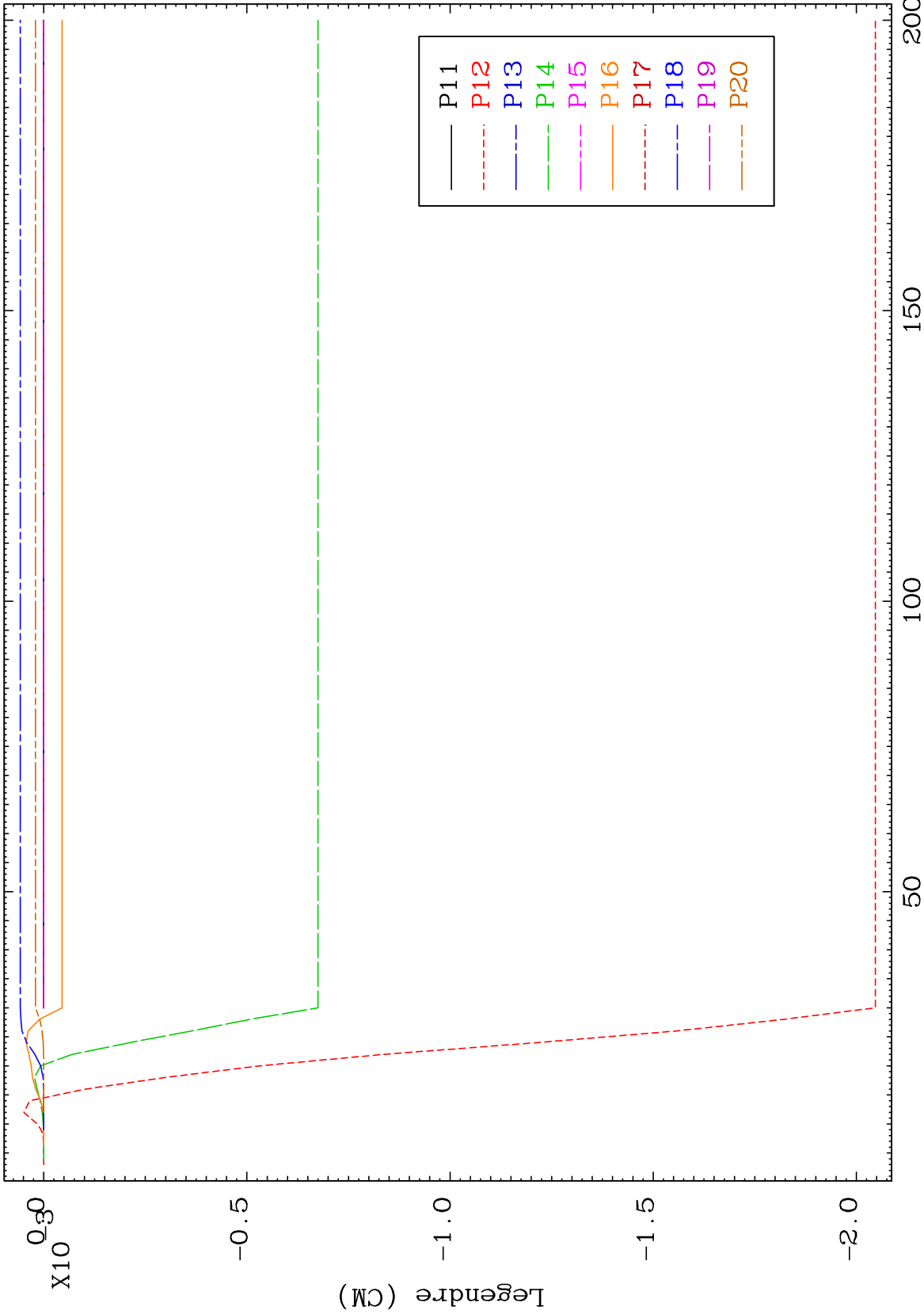
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



81

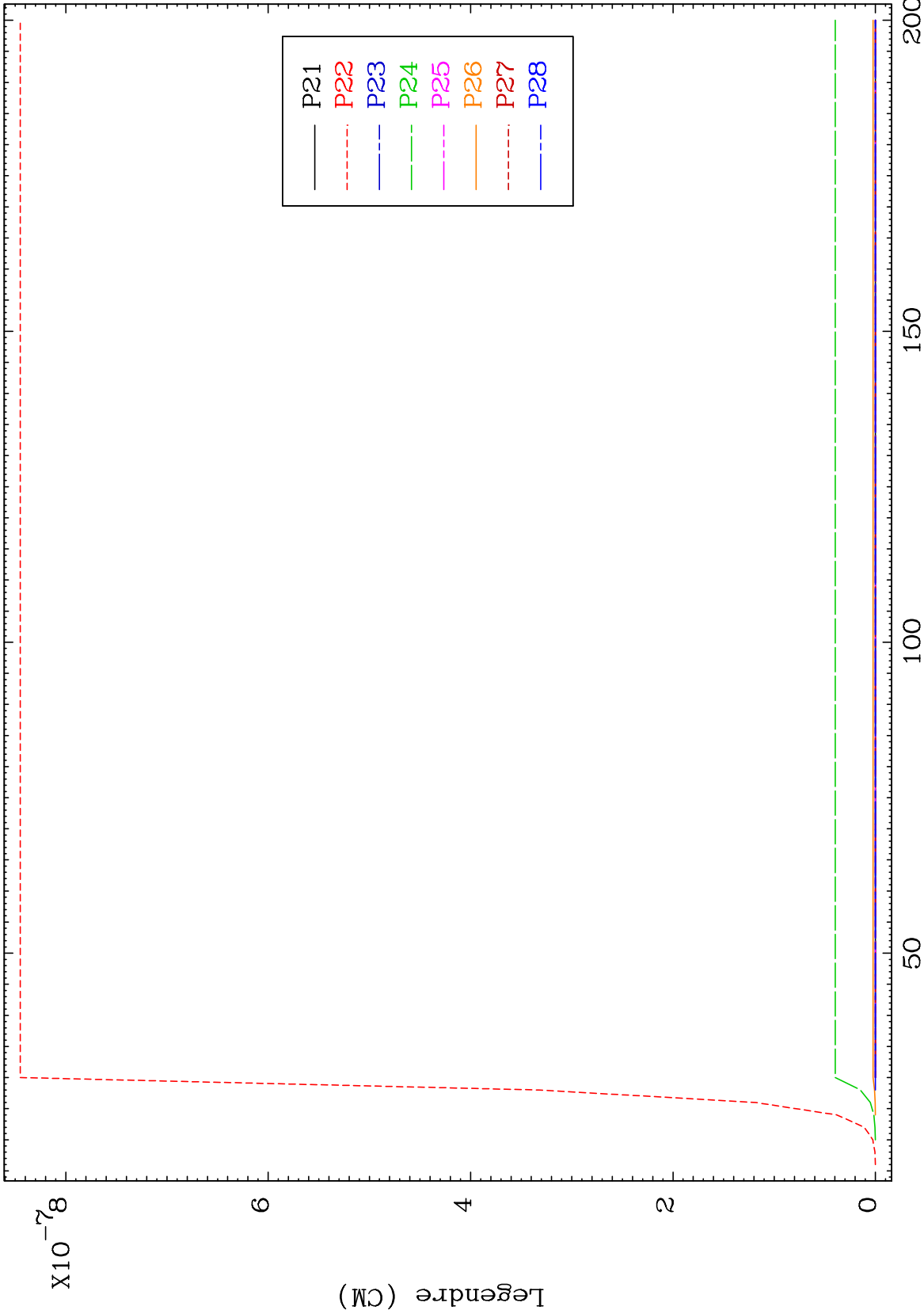
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159

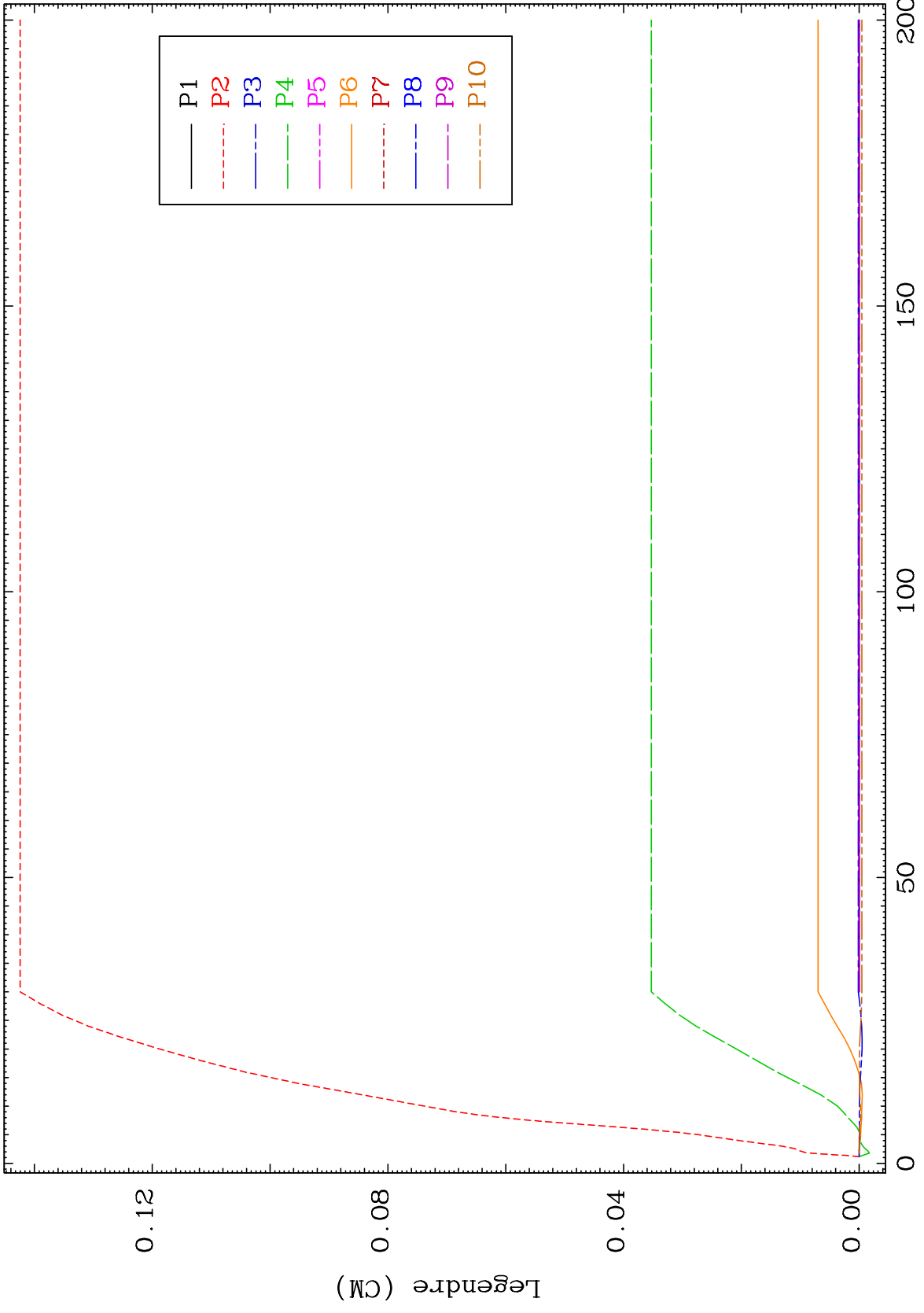


82

Incident Energy (MeV)

63-Eu-159

MAT 6349 MT= 67 (n,n') Level Legendre Coefficients 63-Eu-159

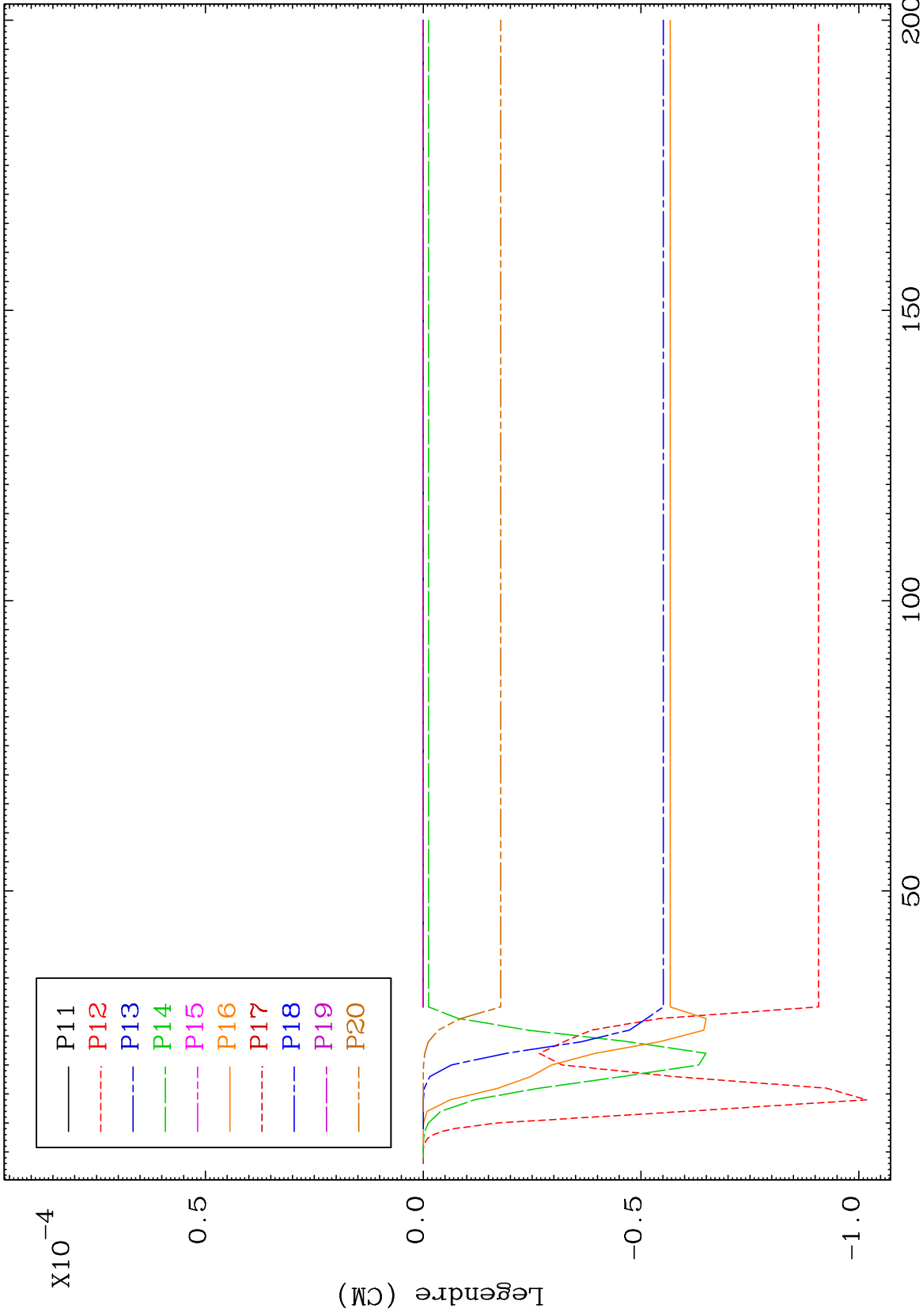


83 63-Eu-159

MAT 6349

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

63-Eu-159



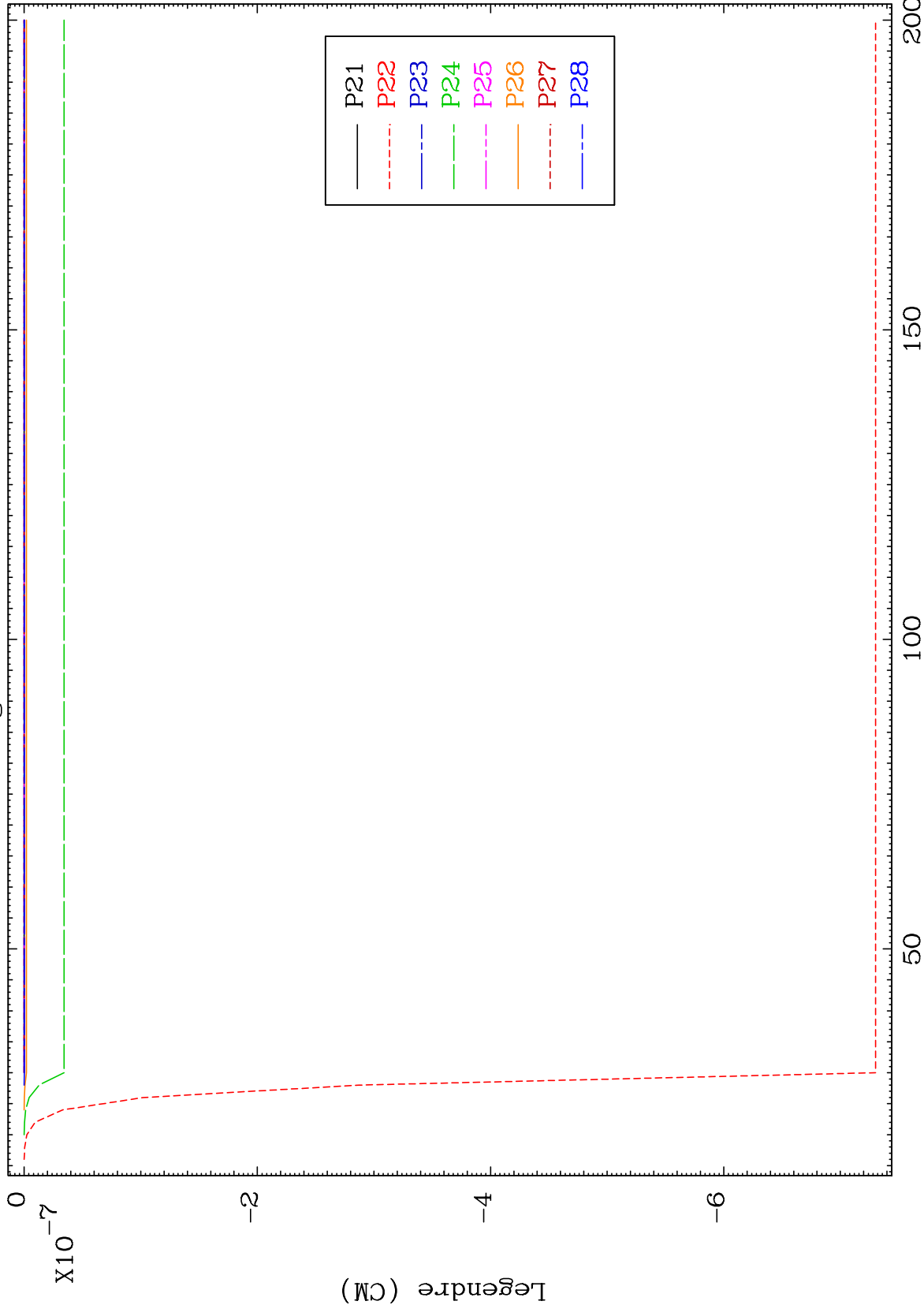
84

63-Eu-159

MAT 6349

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

63-Eu-159



63-Eu-159

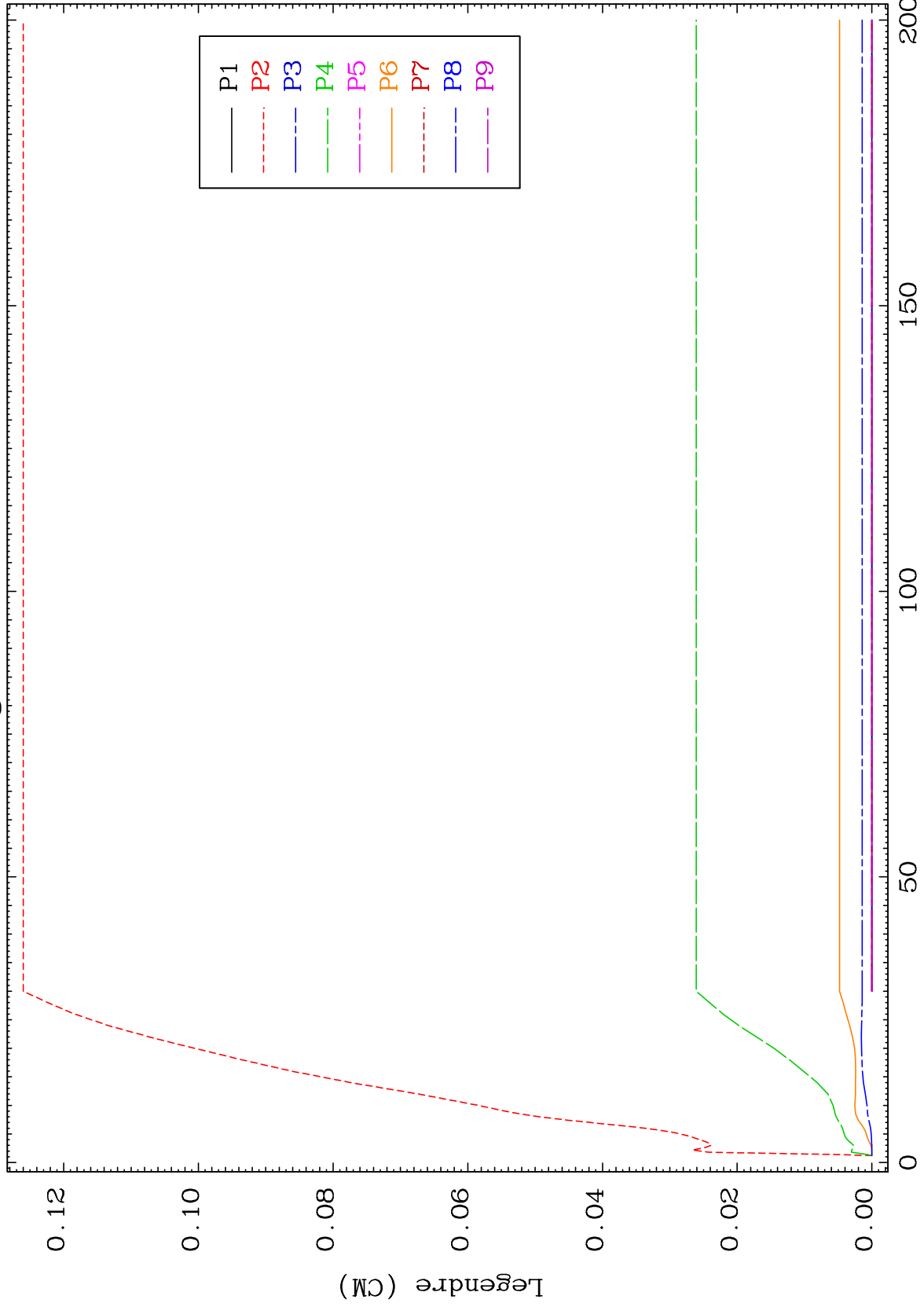
Incident Energy (MeV)

85

MAT 6349

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

63-Eu-159



86

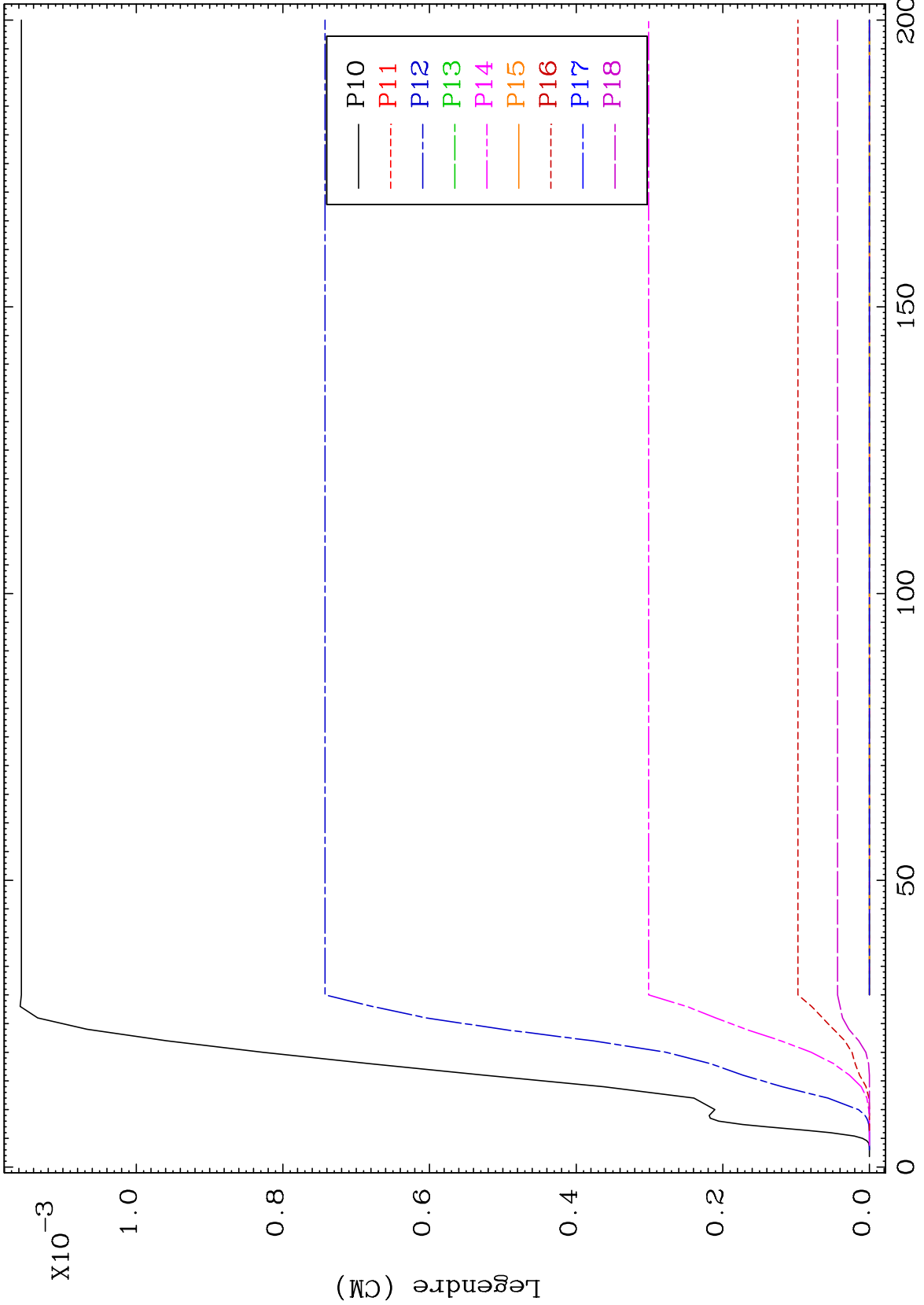
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



87

Incident Energy (MeV)

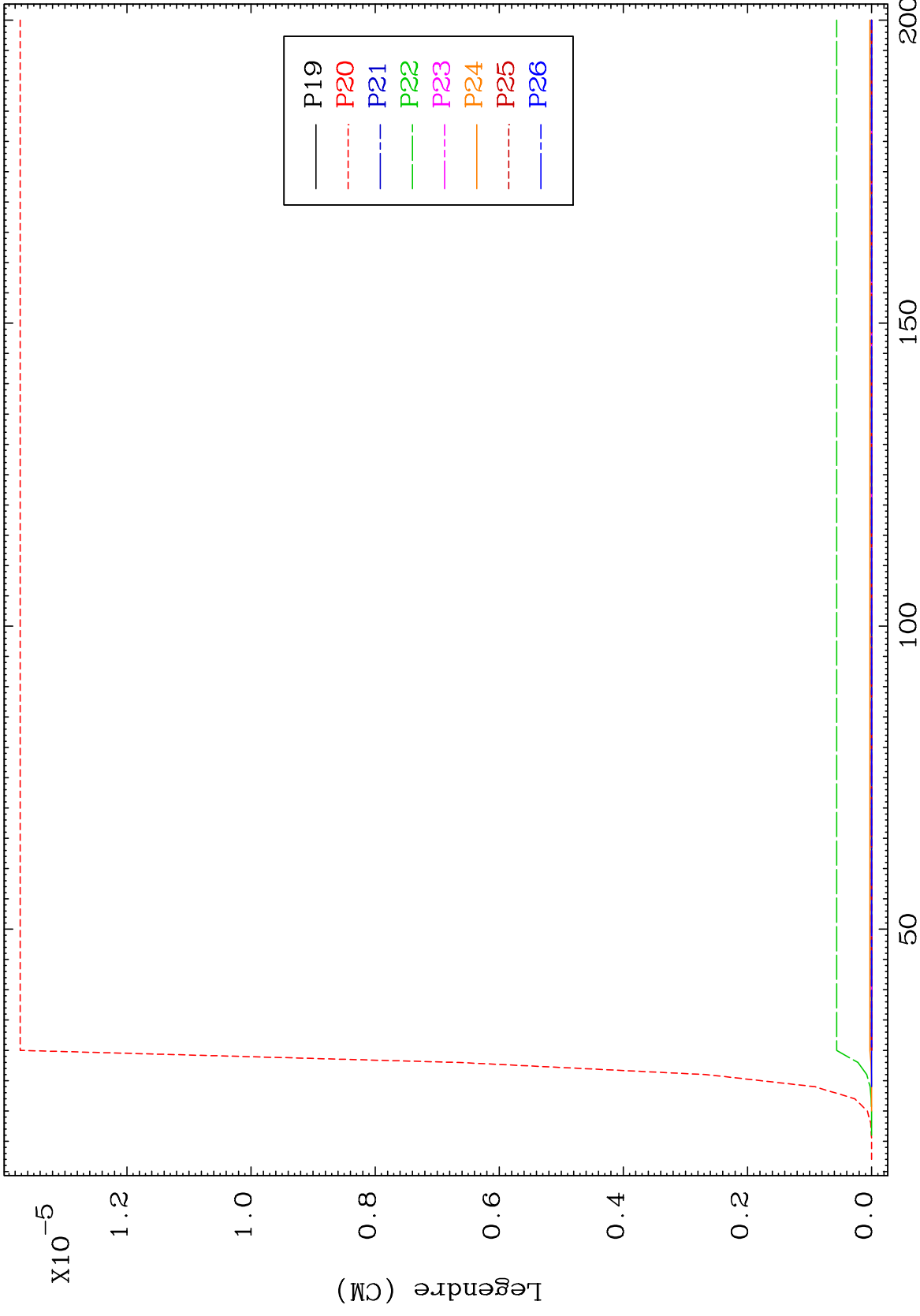
63-Eu-159

MAT 6349

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

63-Eu-159

63-Eu-159

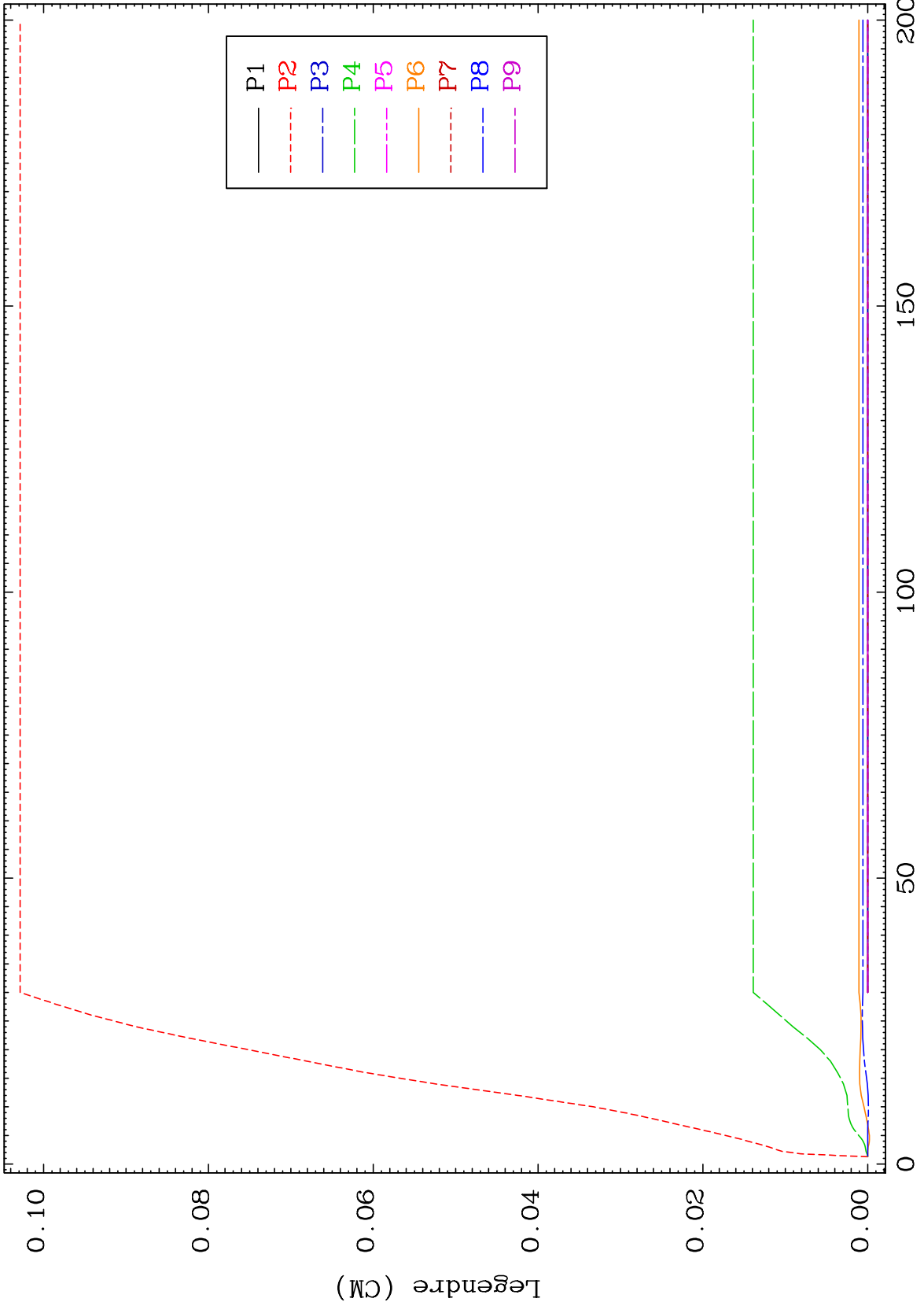


88

MAT 6349

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

63-Eu-159



89

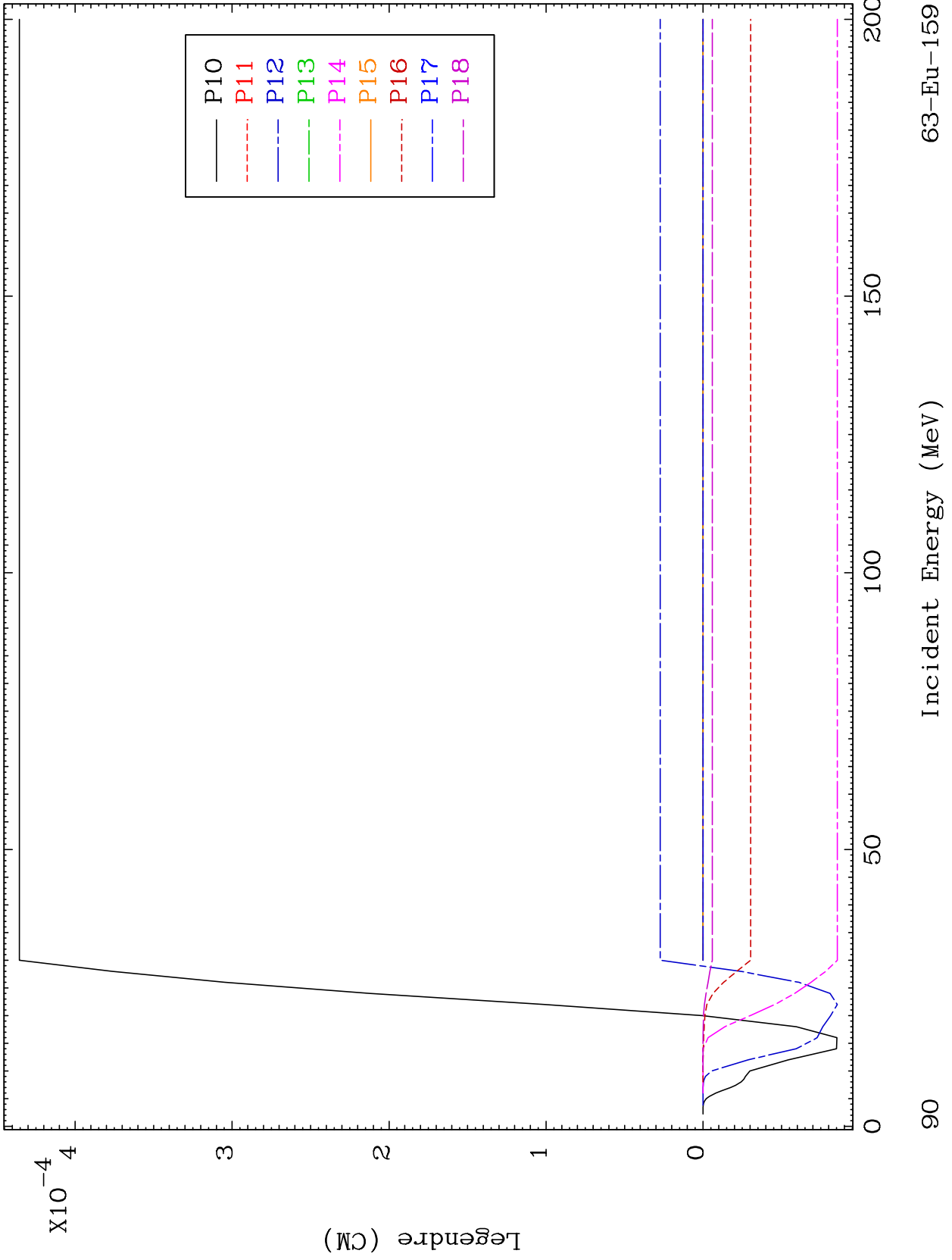
Incident Energy (MeV)

63-Eu-159

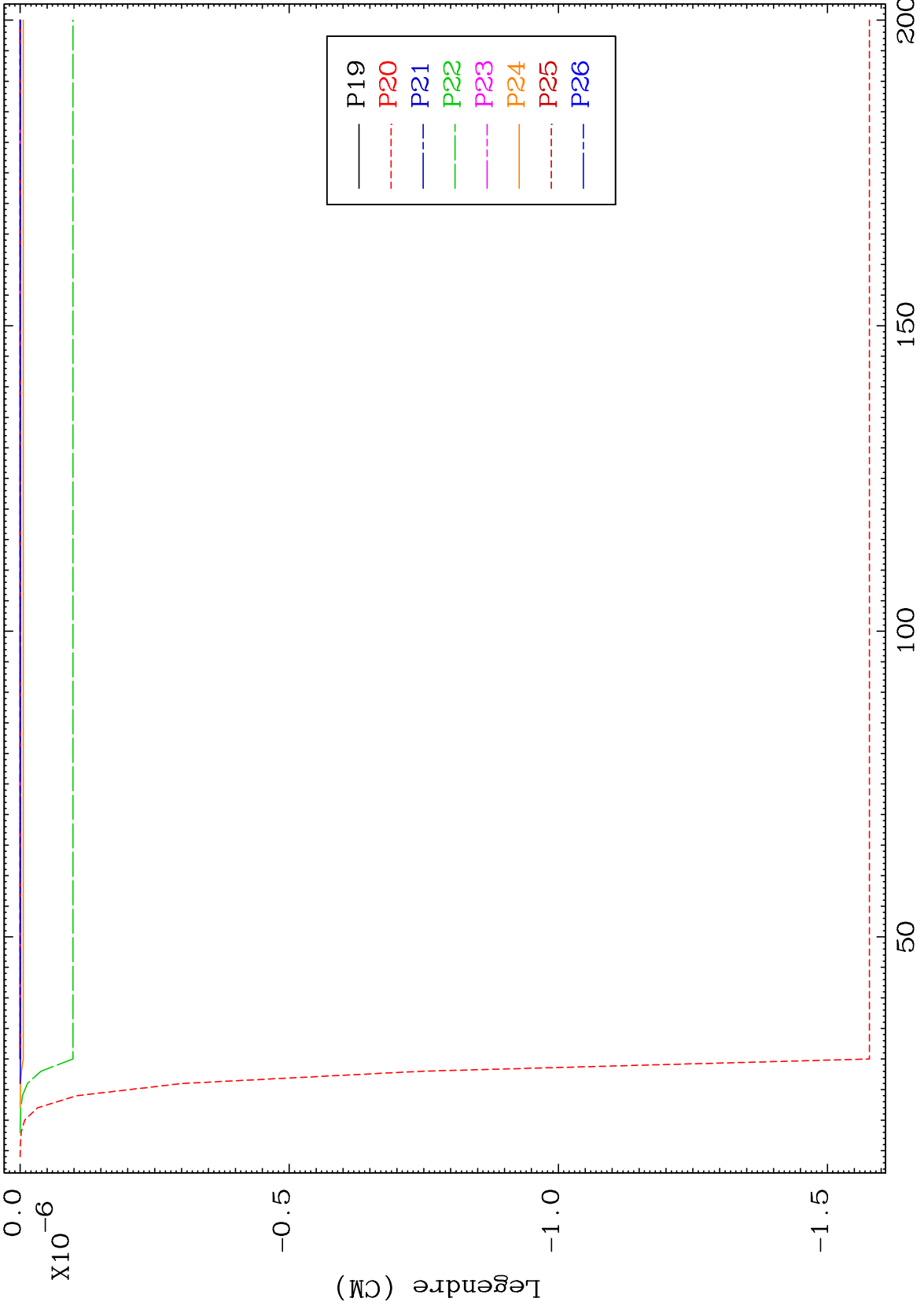
MAT 6349

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

63-Eu-159



MAT 6349 MT= 69 (n,n') Level Legendre Coefficients 63-Eu-159

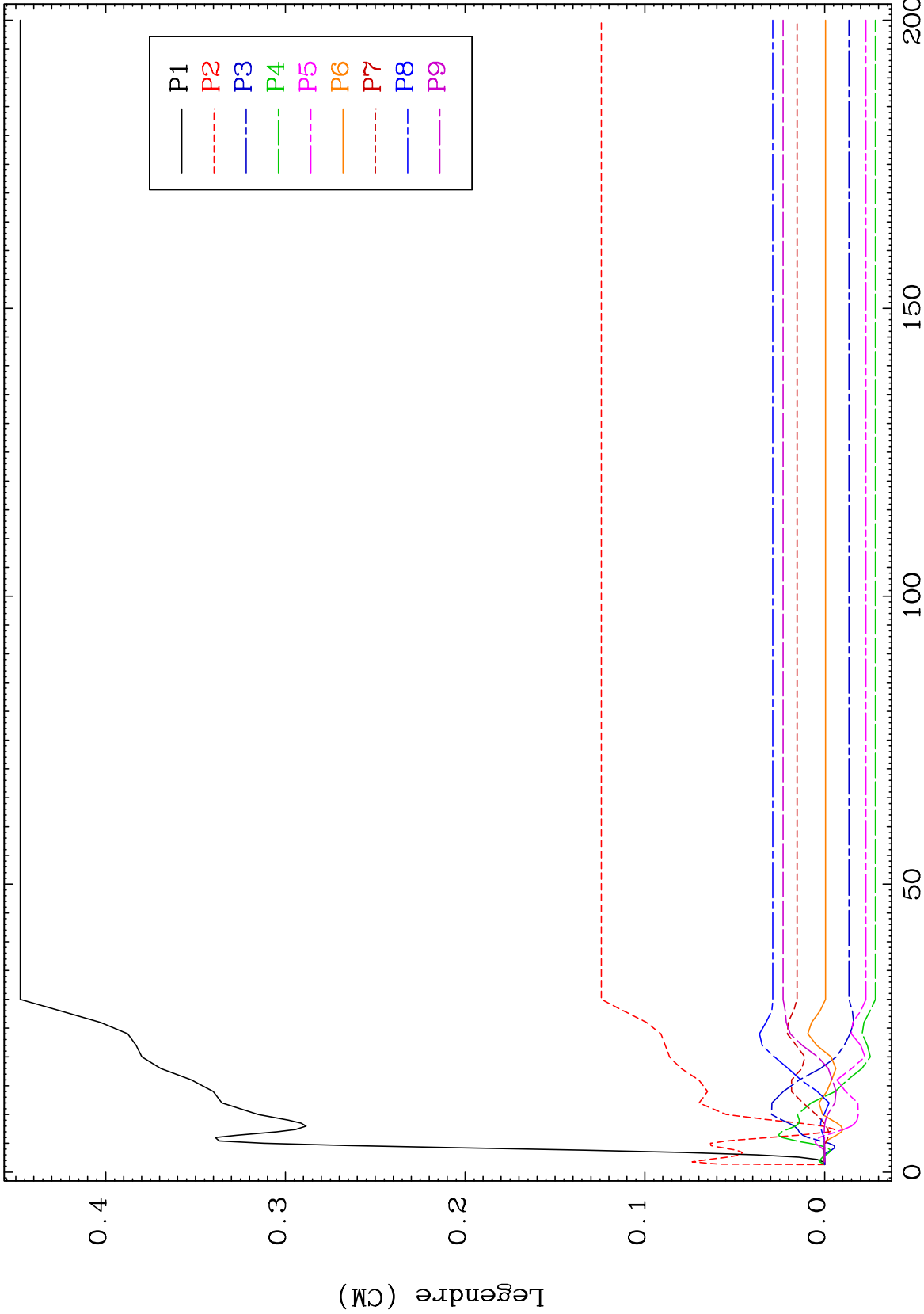


91 63-Eu-159

MAT 6349

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

63-Eu-159



92

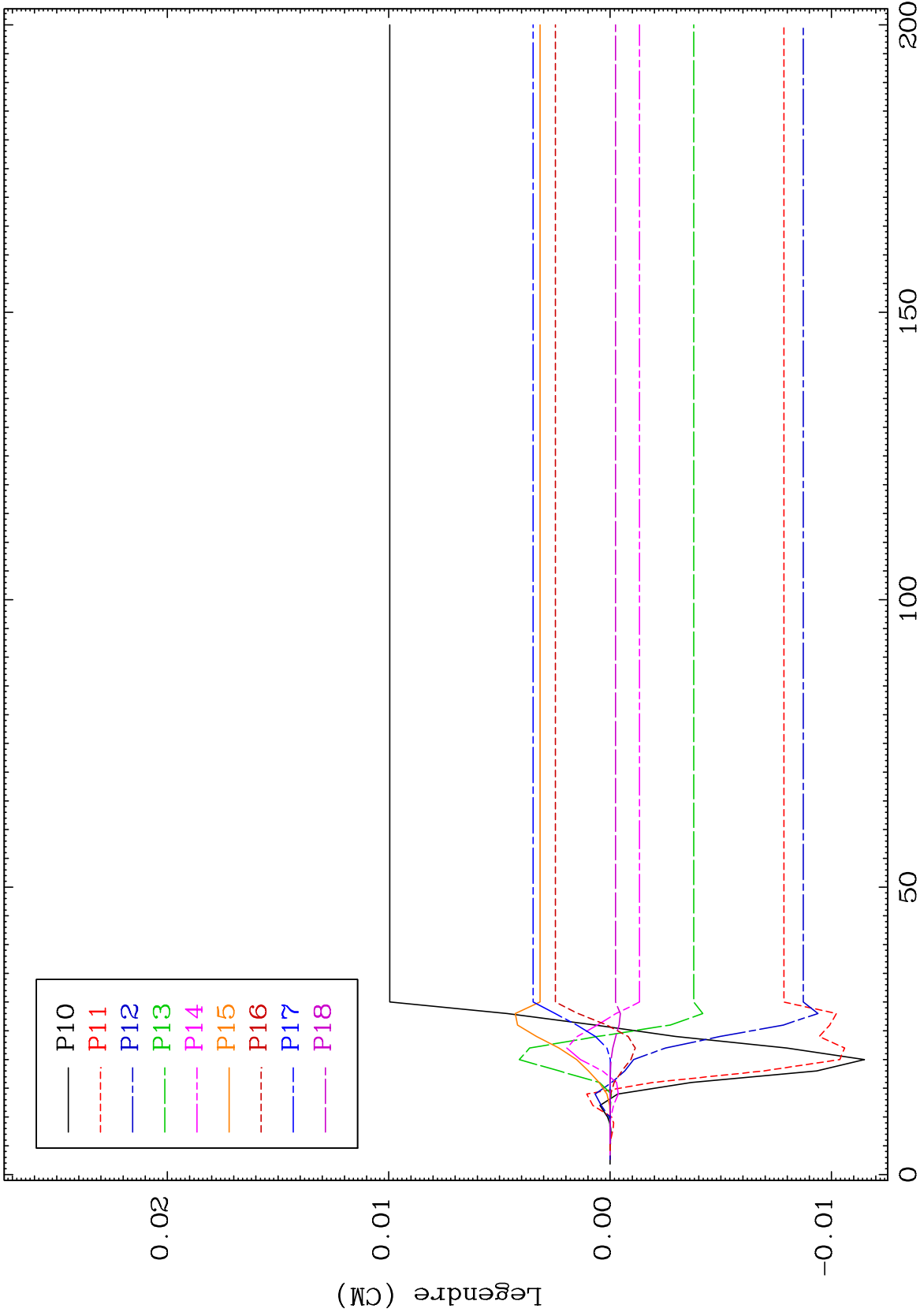
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



93

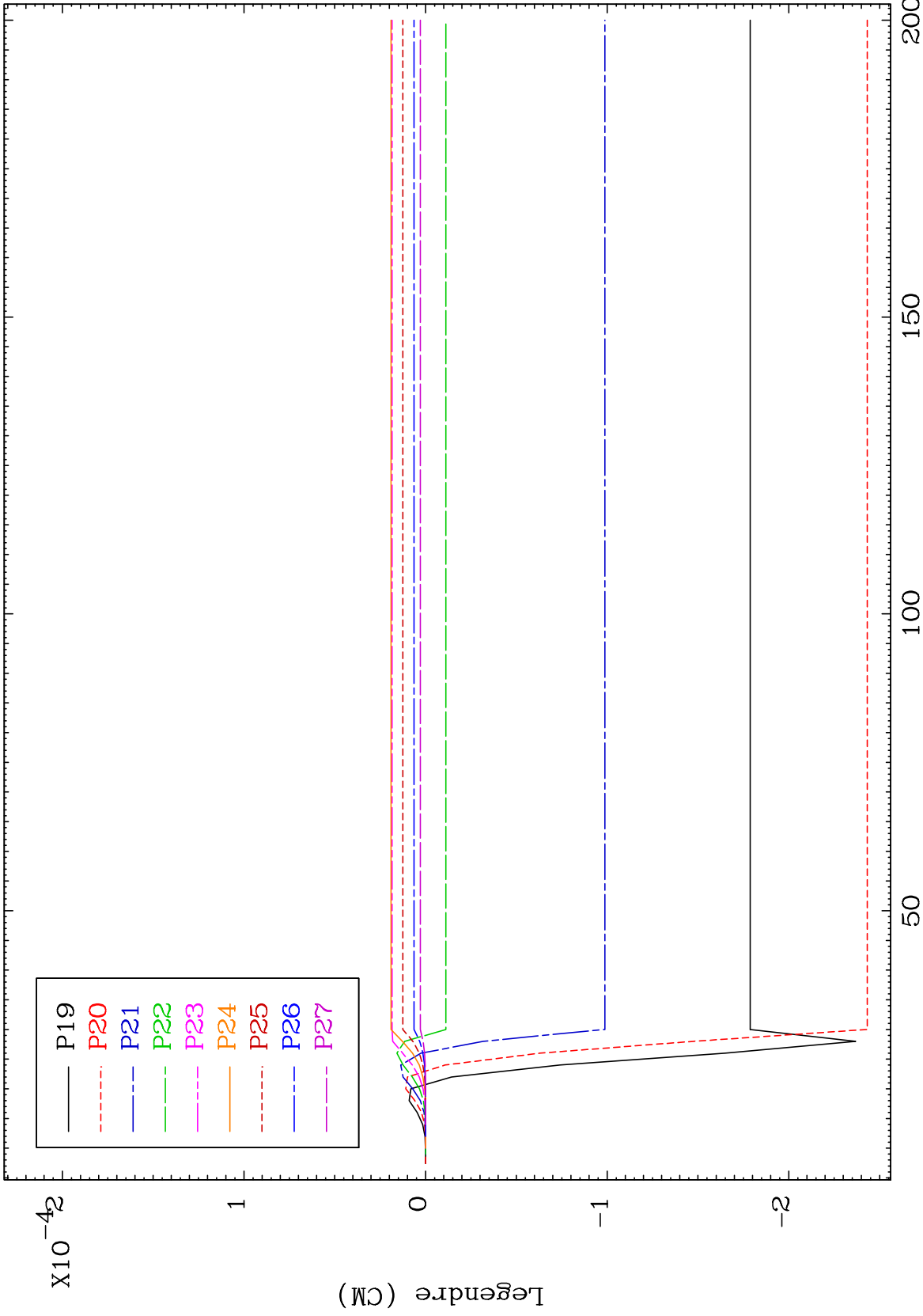
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



94

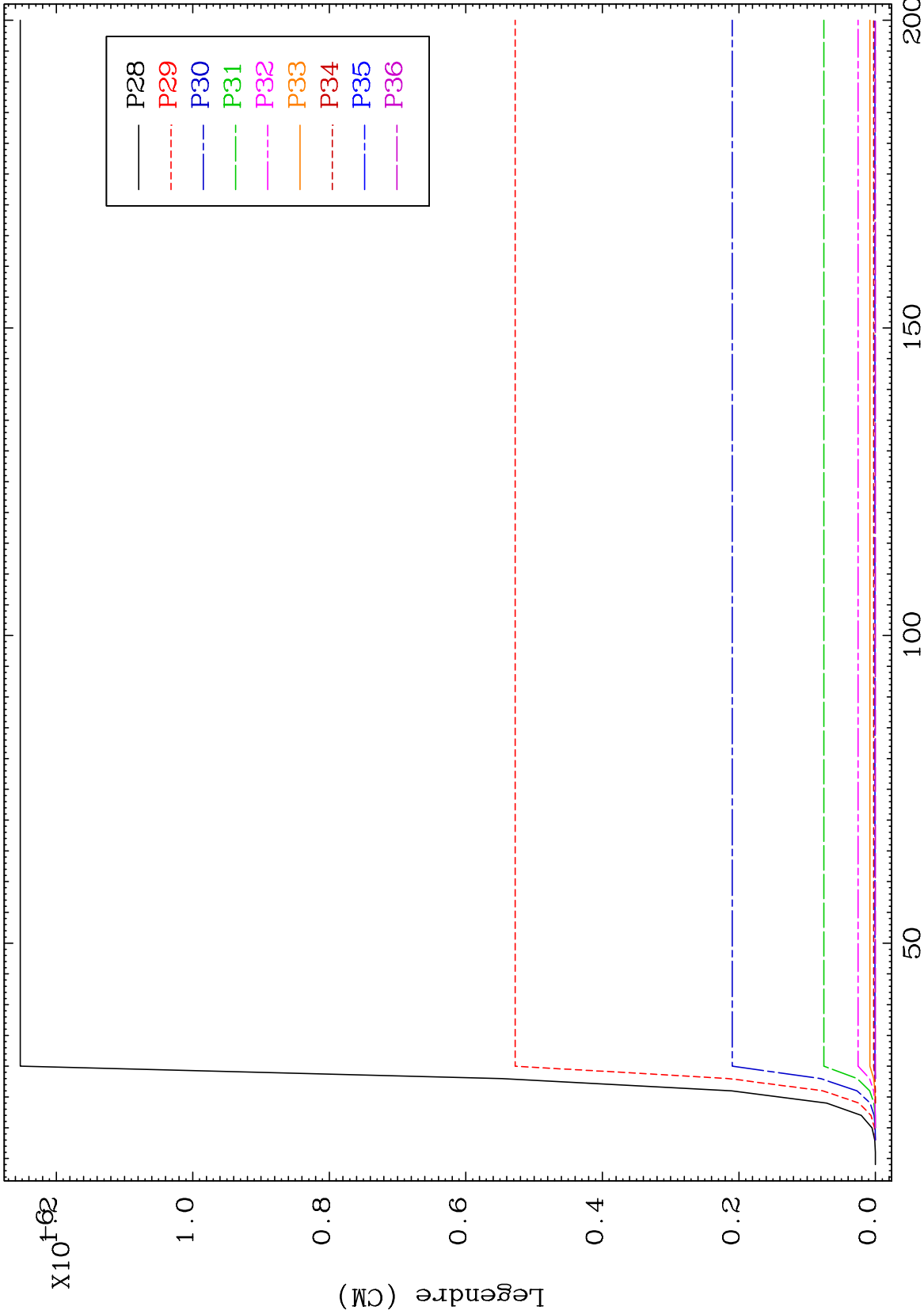
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159

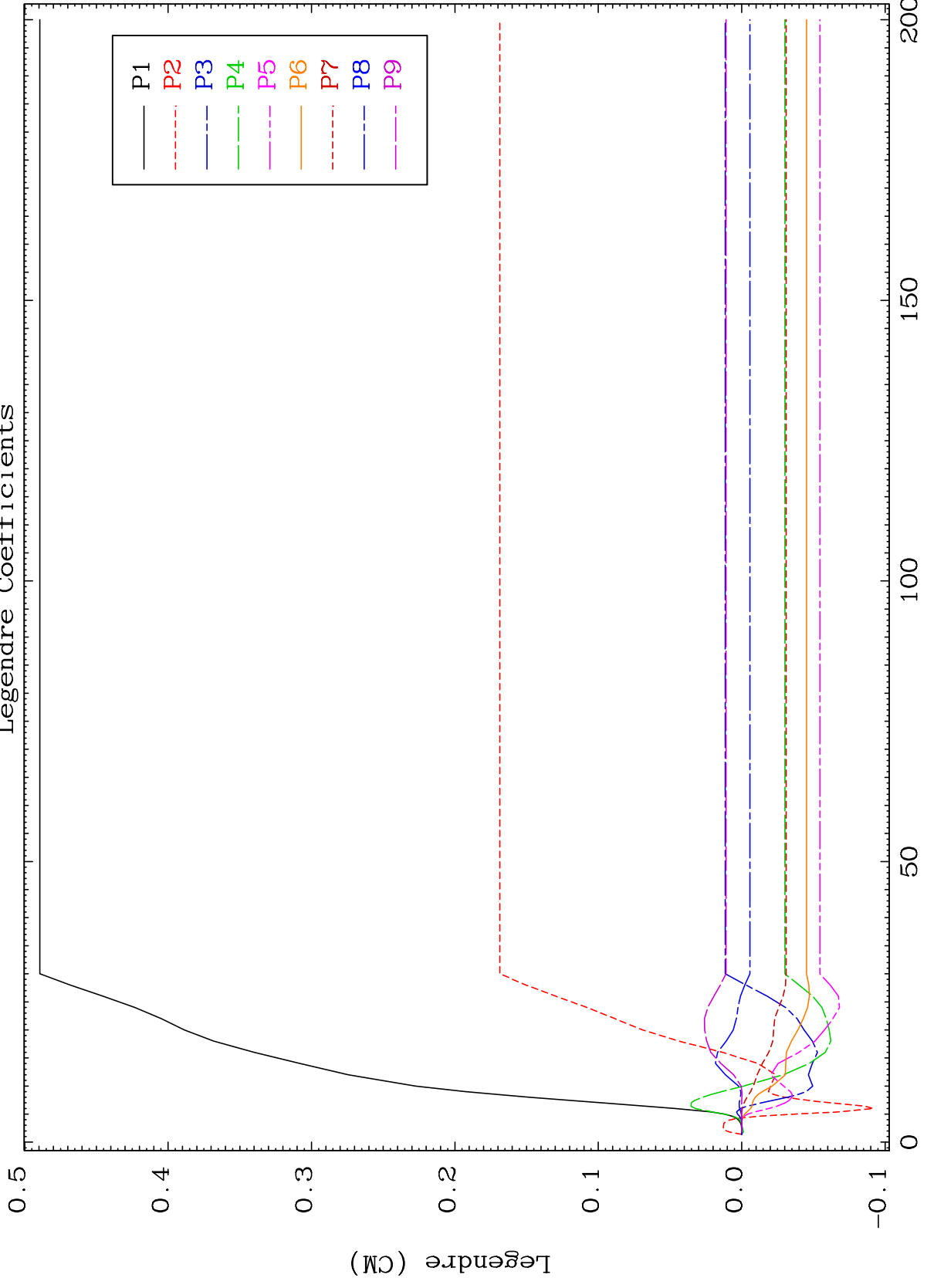


95

Incident Energy (MeV)

63-Eu-159

MAT 6349 MT= 71 (n,n') Level Legendre Coefficients 63-Eu-159

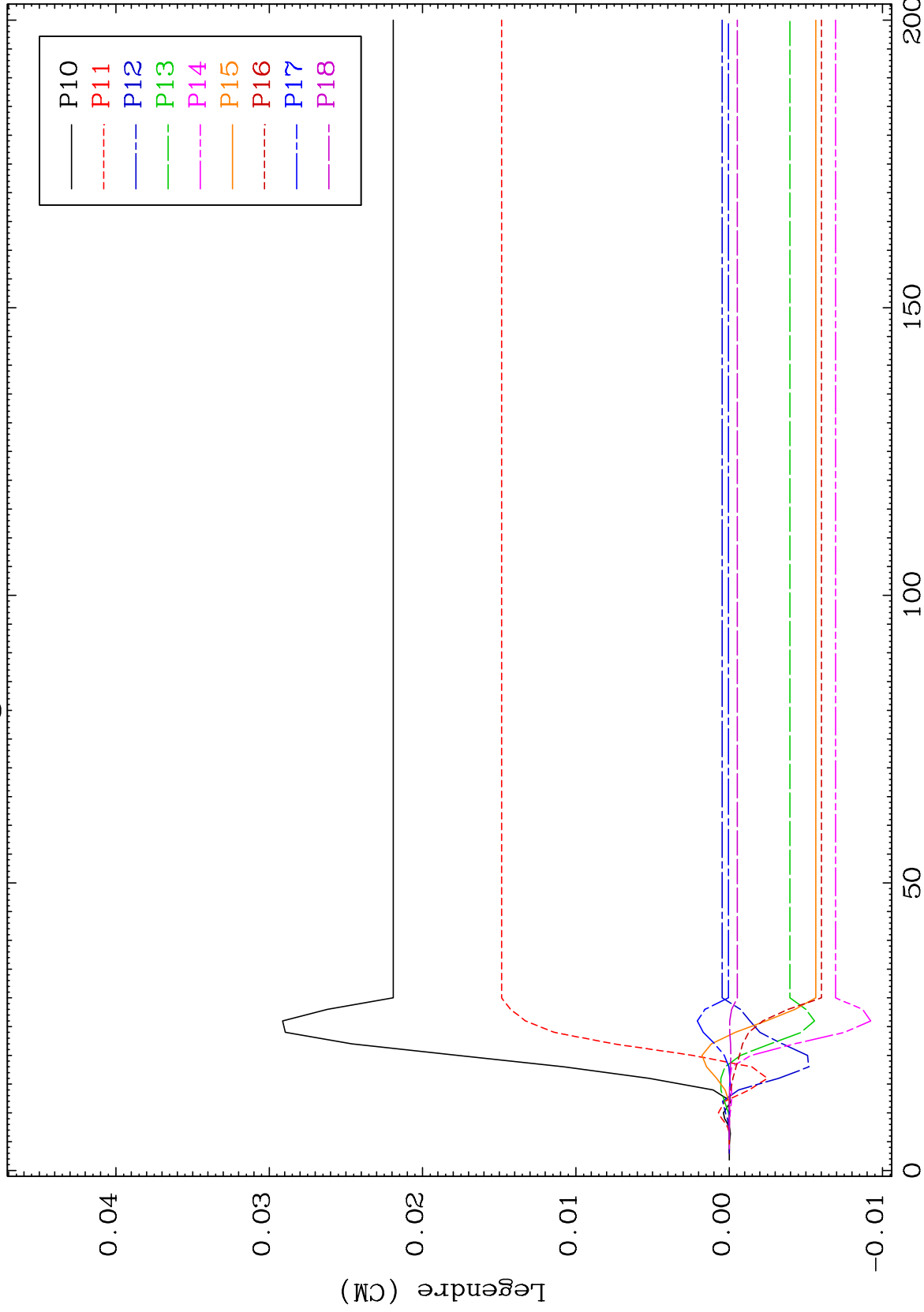


96 63-Eu-159

MAT 6349

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

63-Eu-159



97

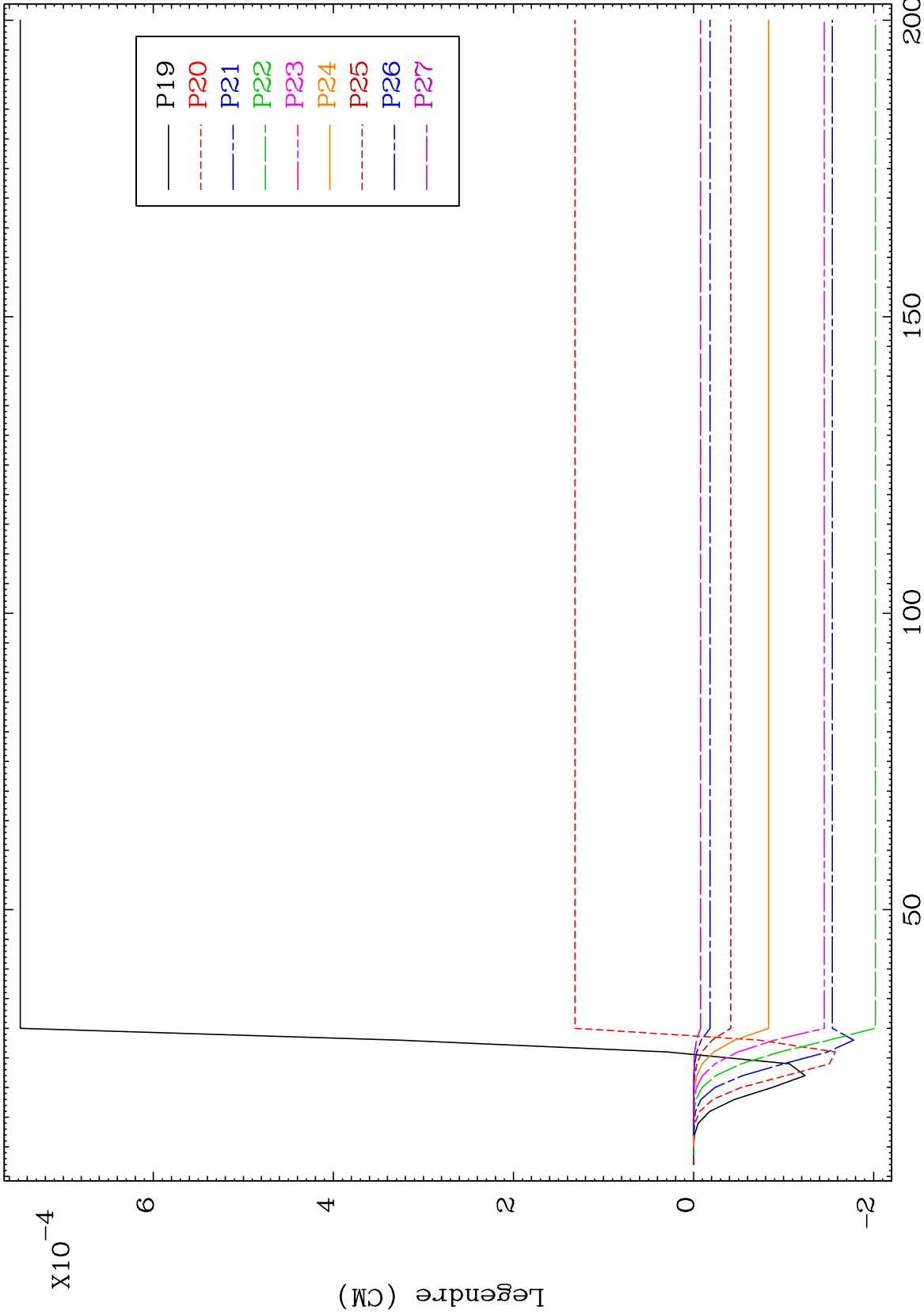
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



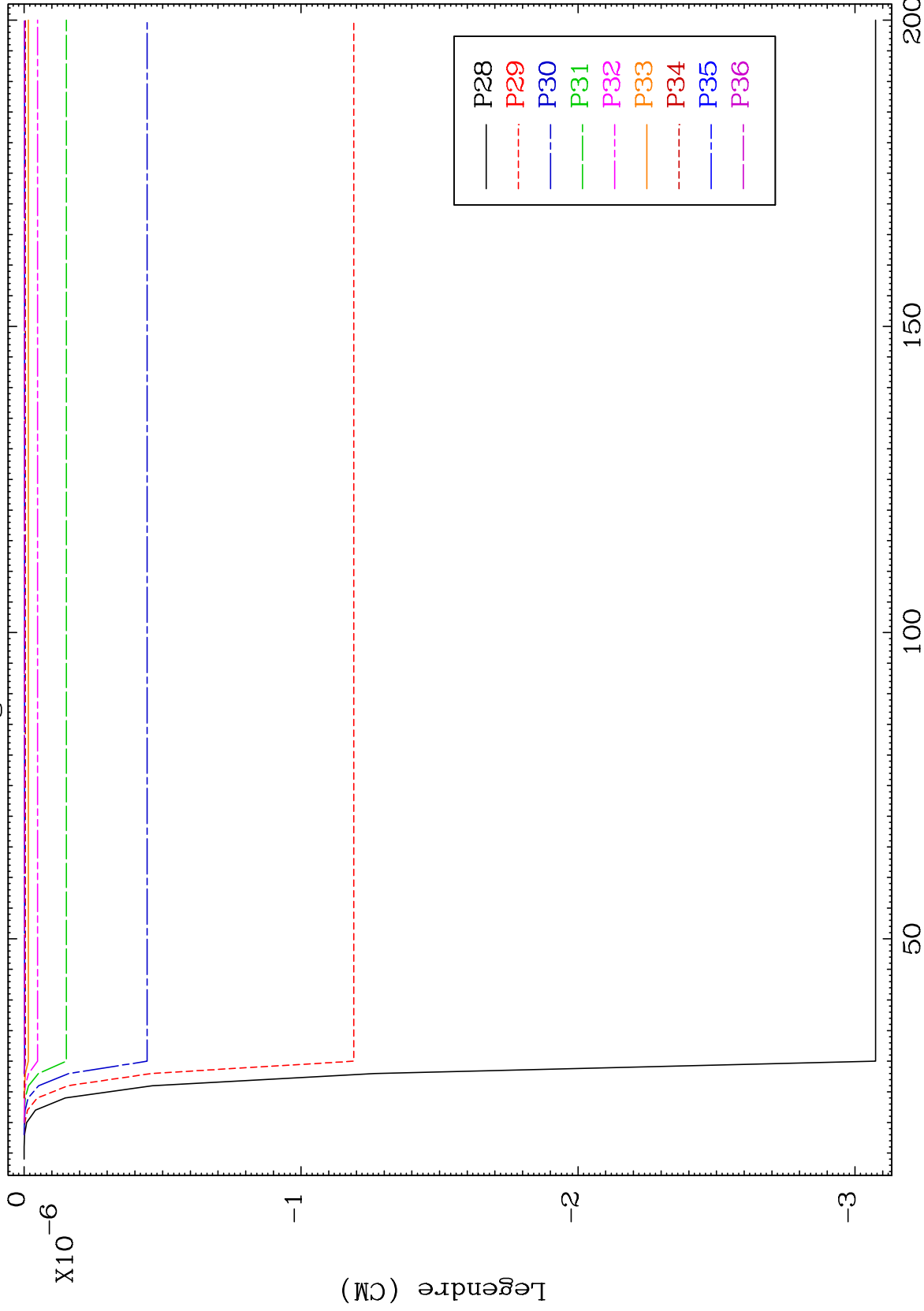
98

63-Eu-159

MAT 6349

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

63-Eu-159



63-Eu-159

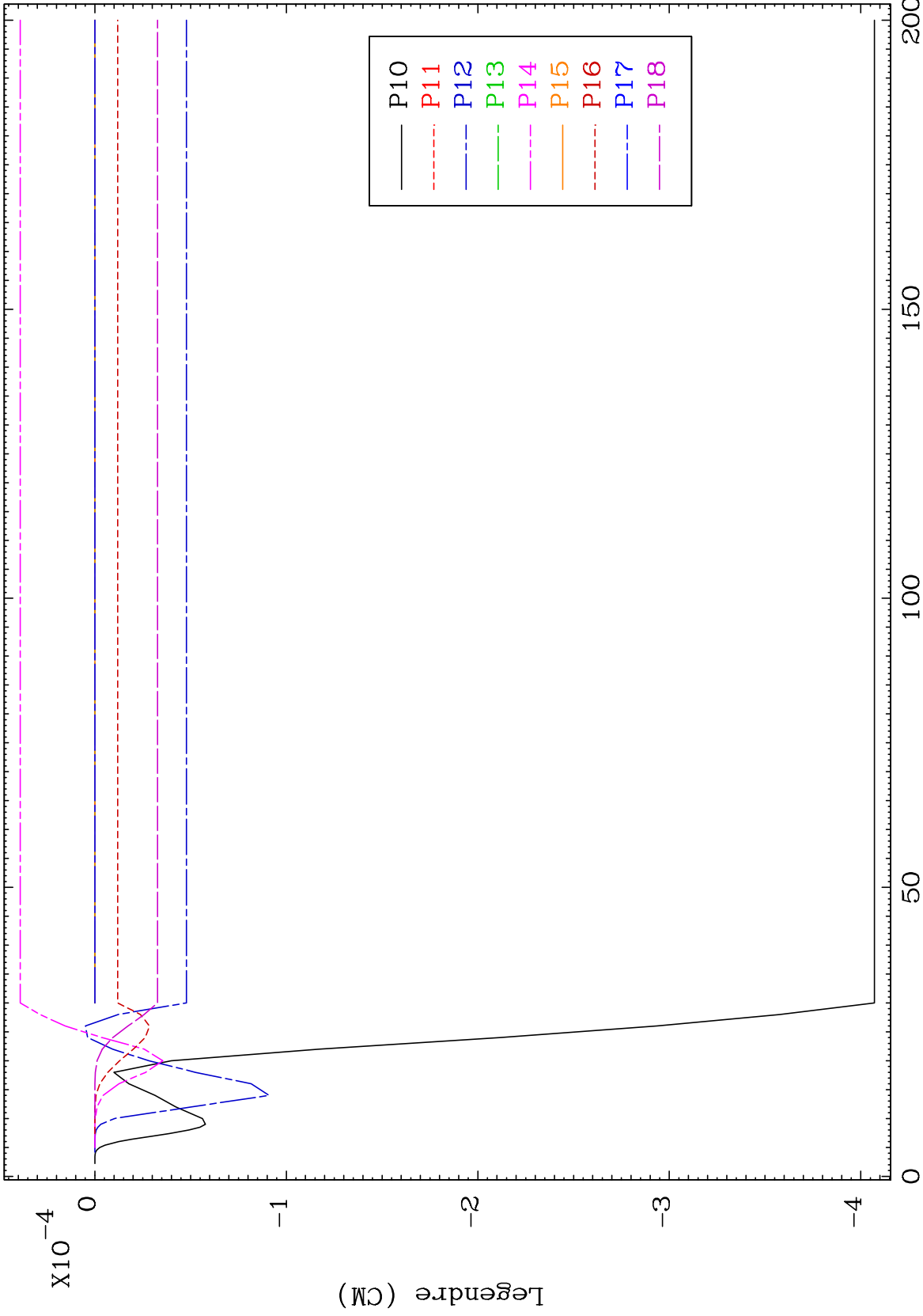
Incident Energy (MeV)

99

MAT 6349

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

63-Eu-159

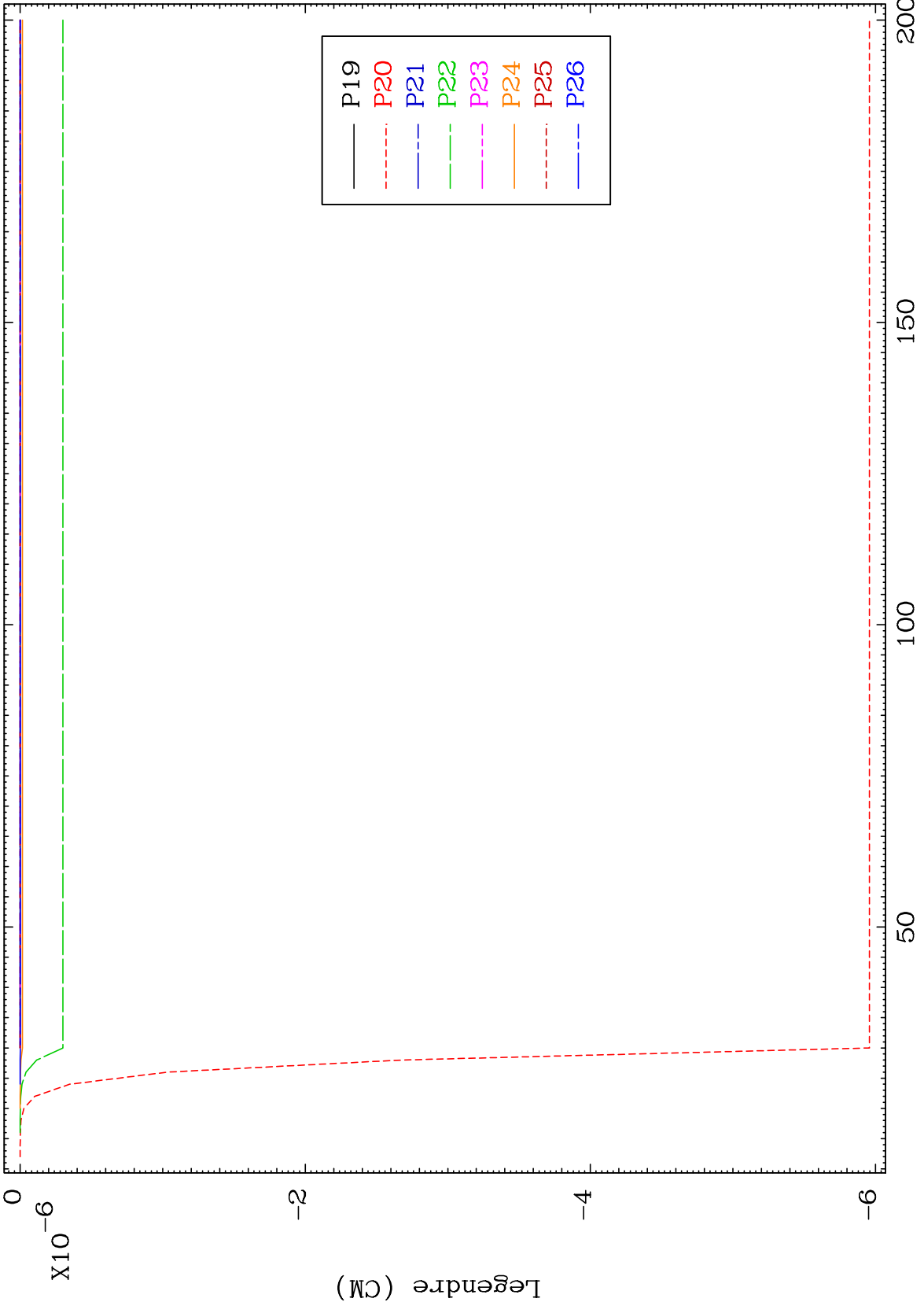


101

Incident Energy (MeV)

63-Eu-159

MAT 6349 MT= 72 (n,n') Level Legendre Coefficients 63-Eu-159

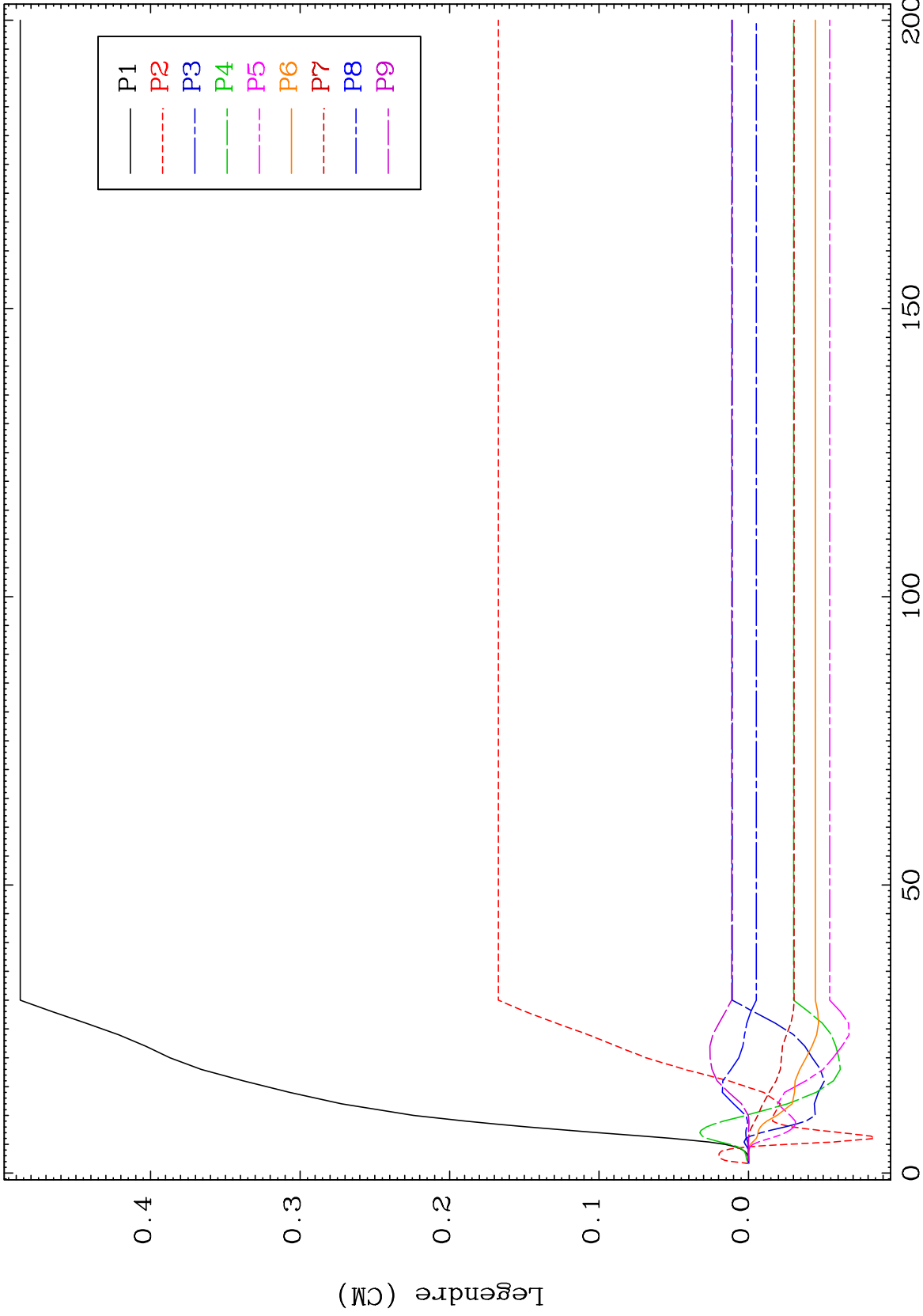


102 63-Eu-159

MAT 6349

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

63-Eu-159



63-Eu-159

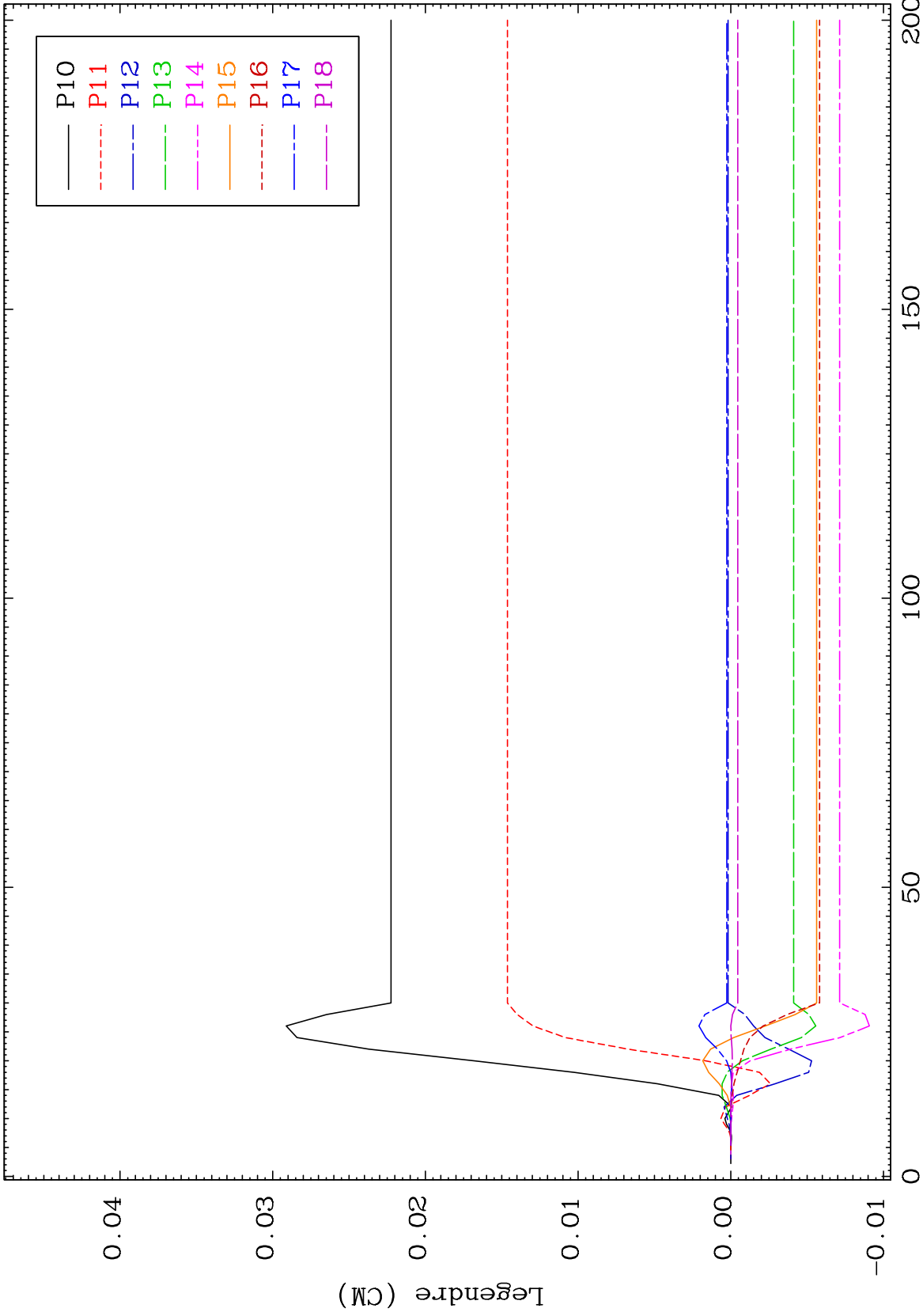
Incident Energy (MeV)

103

MAT 6349

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

63-Eu-159



104

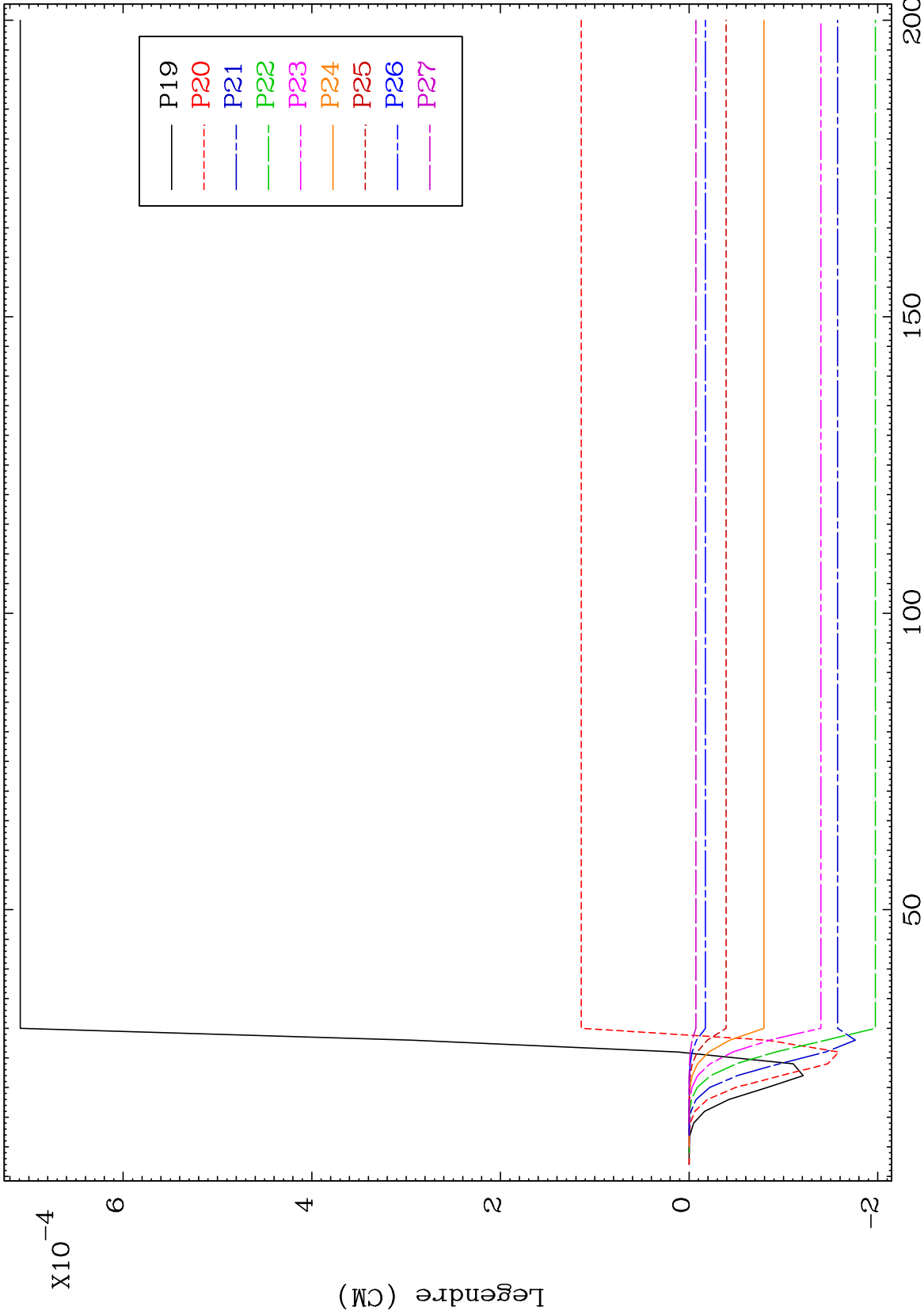
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



105

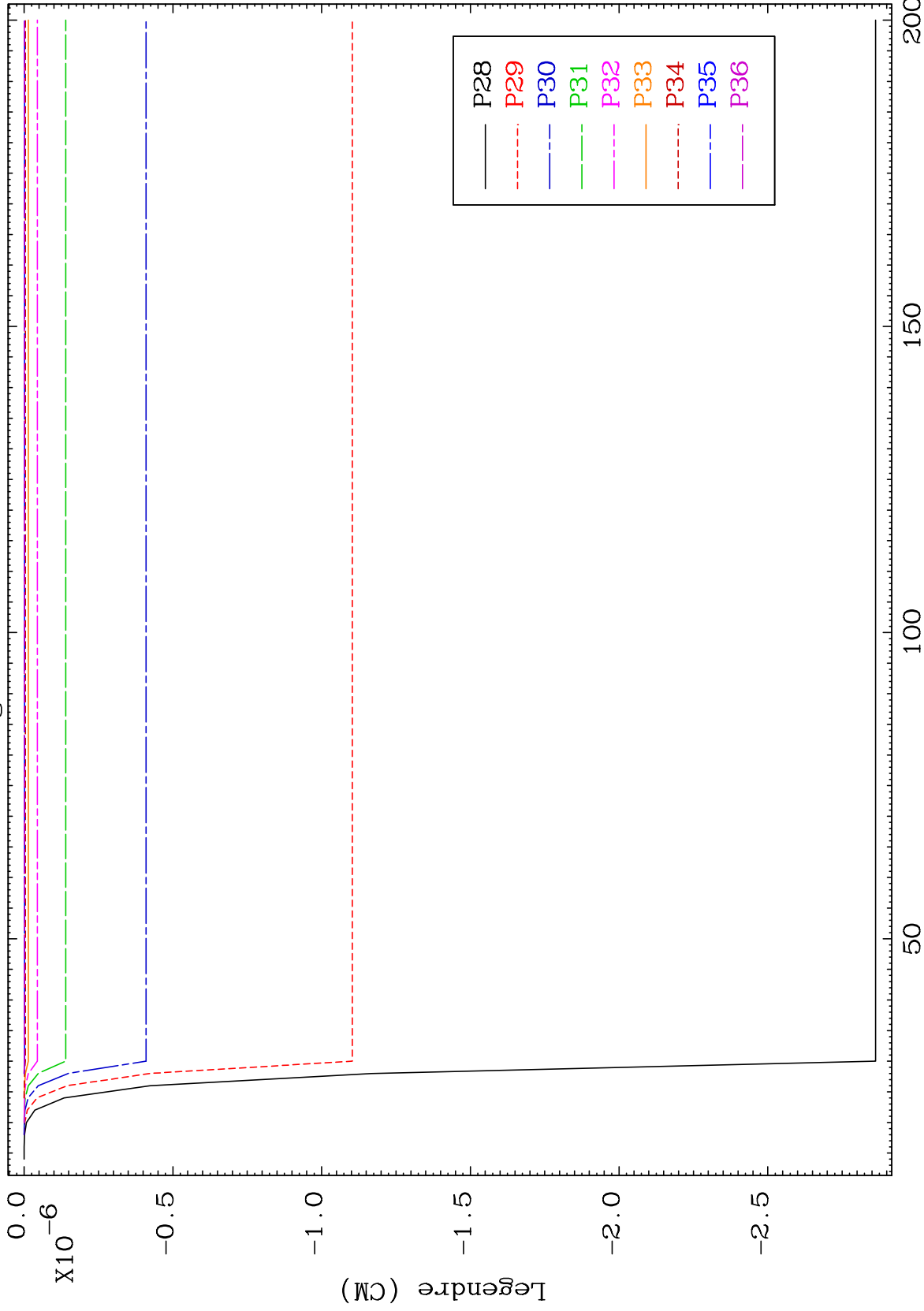
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



63-Eu-159

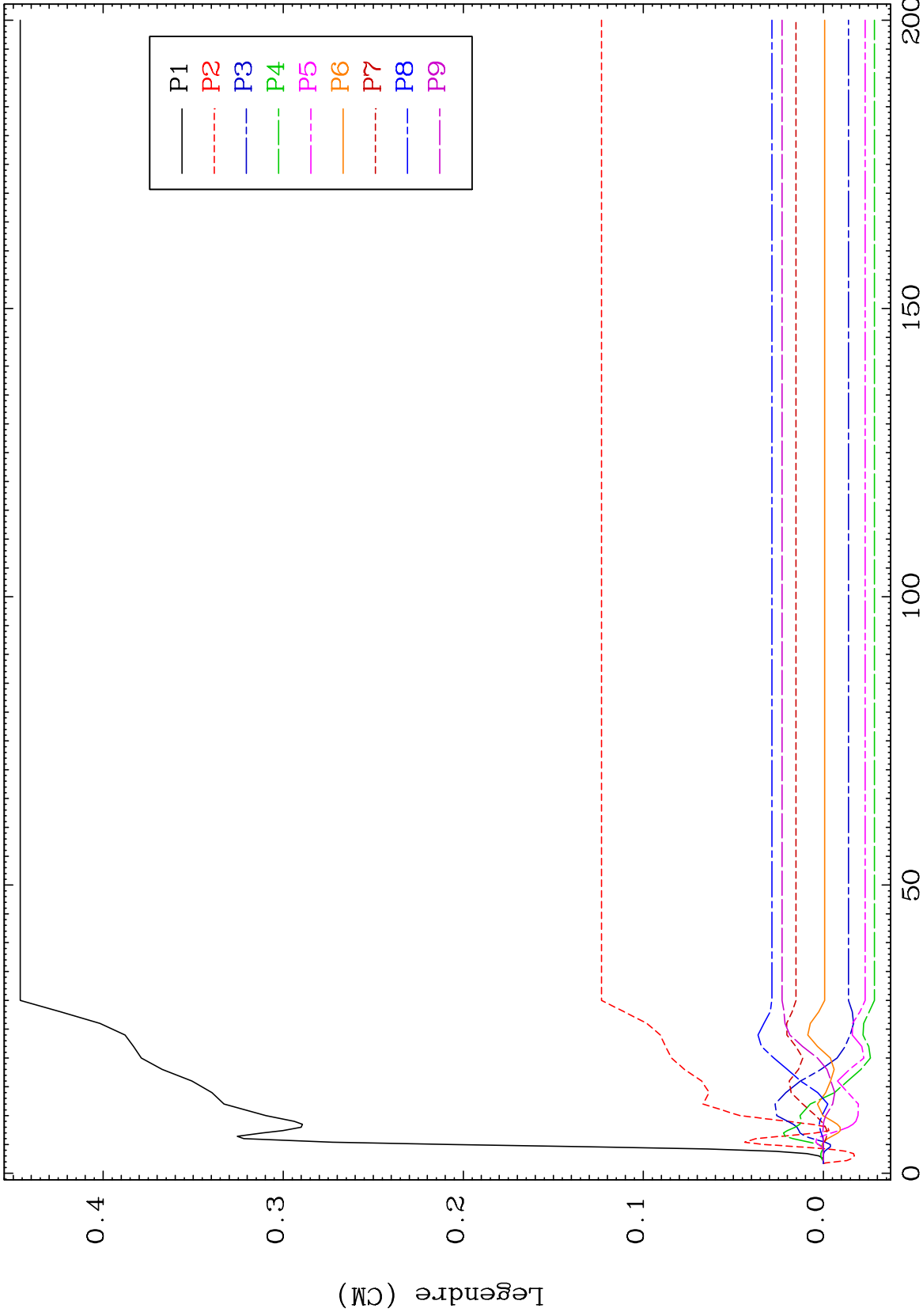
Incident Energy (MeV)

106

MAT 6349

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

63-Eu-159



107

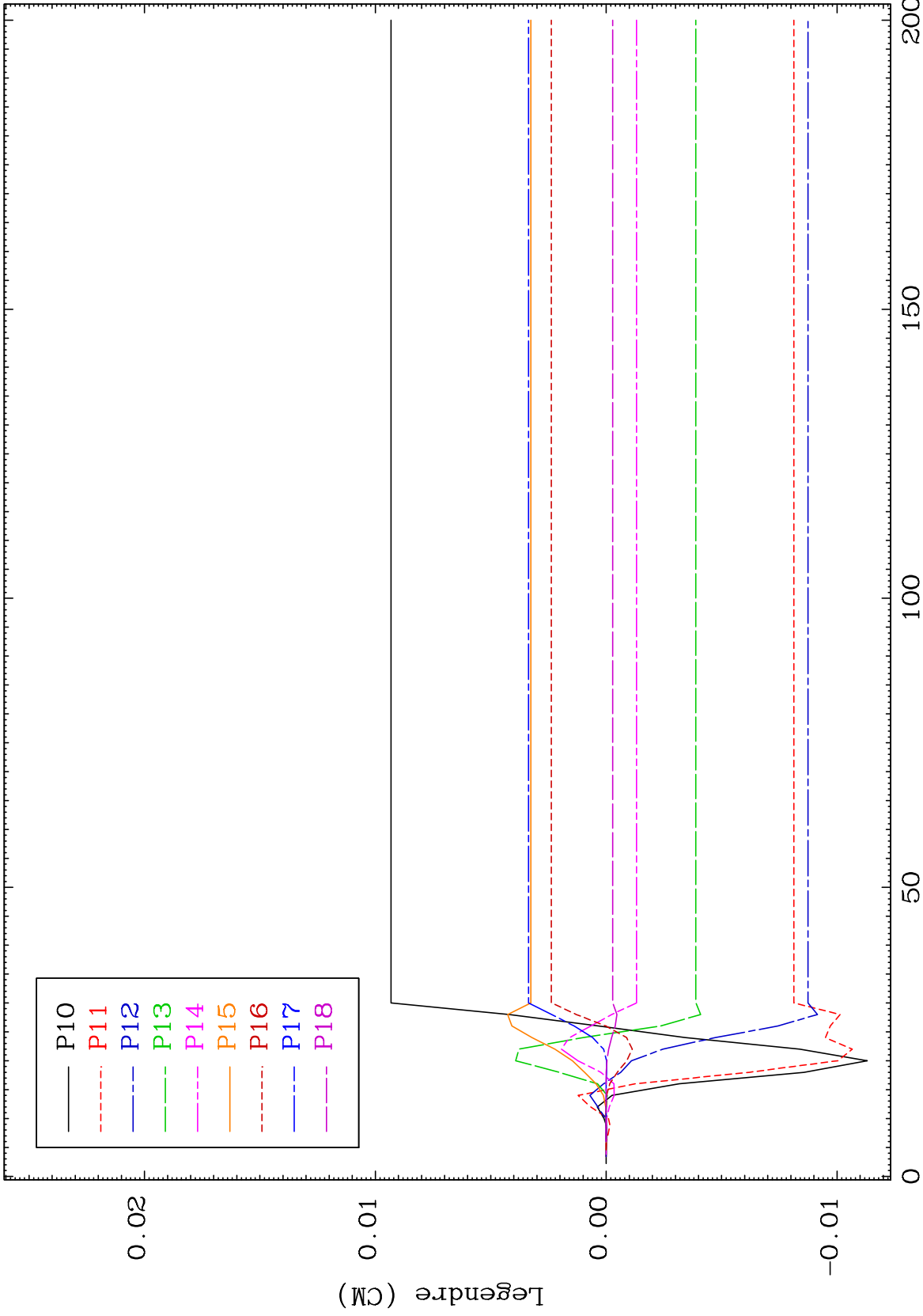
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



108

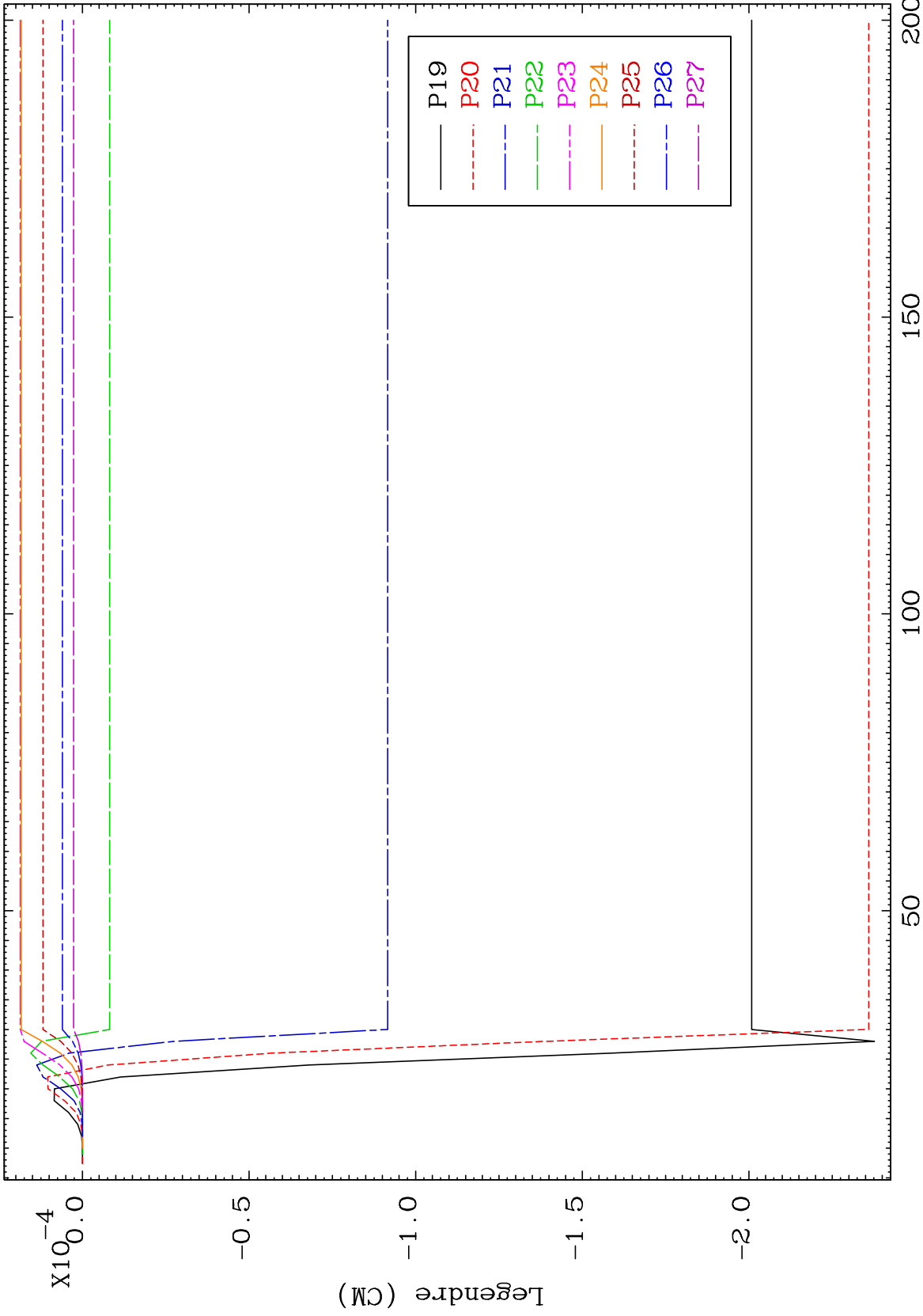
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



109

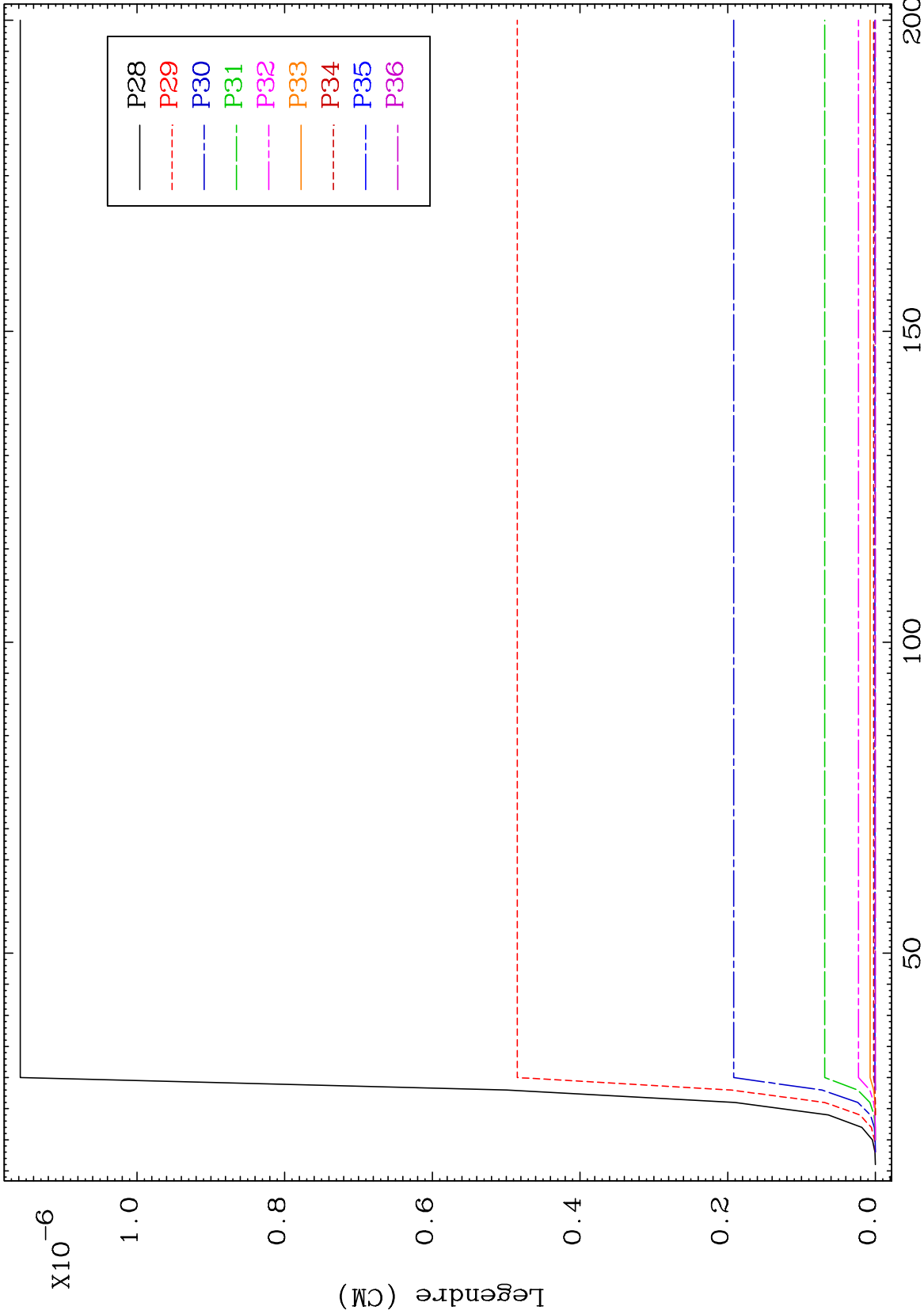
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



110

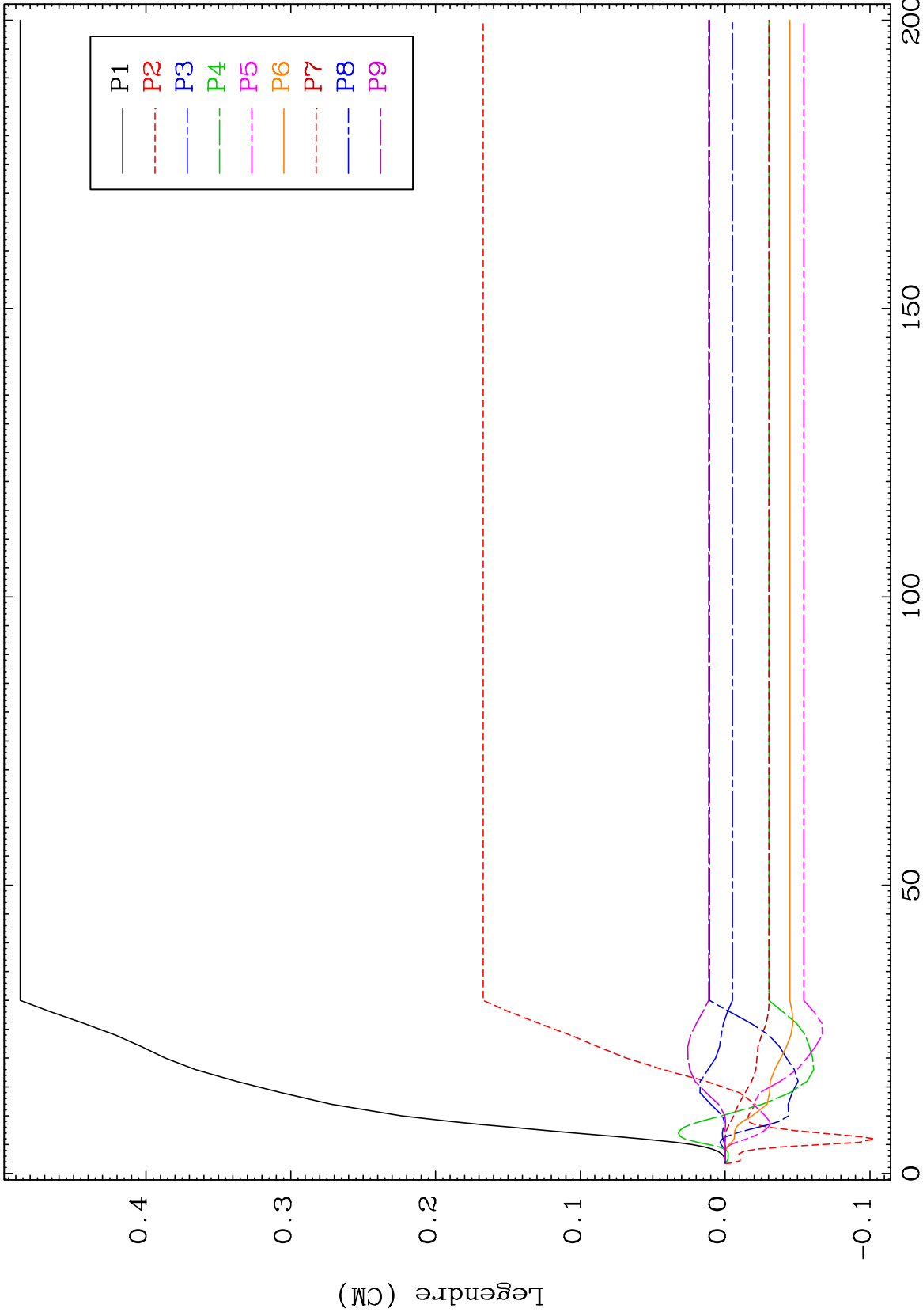
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



111

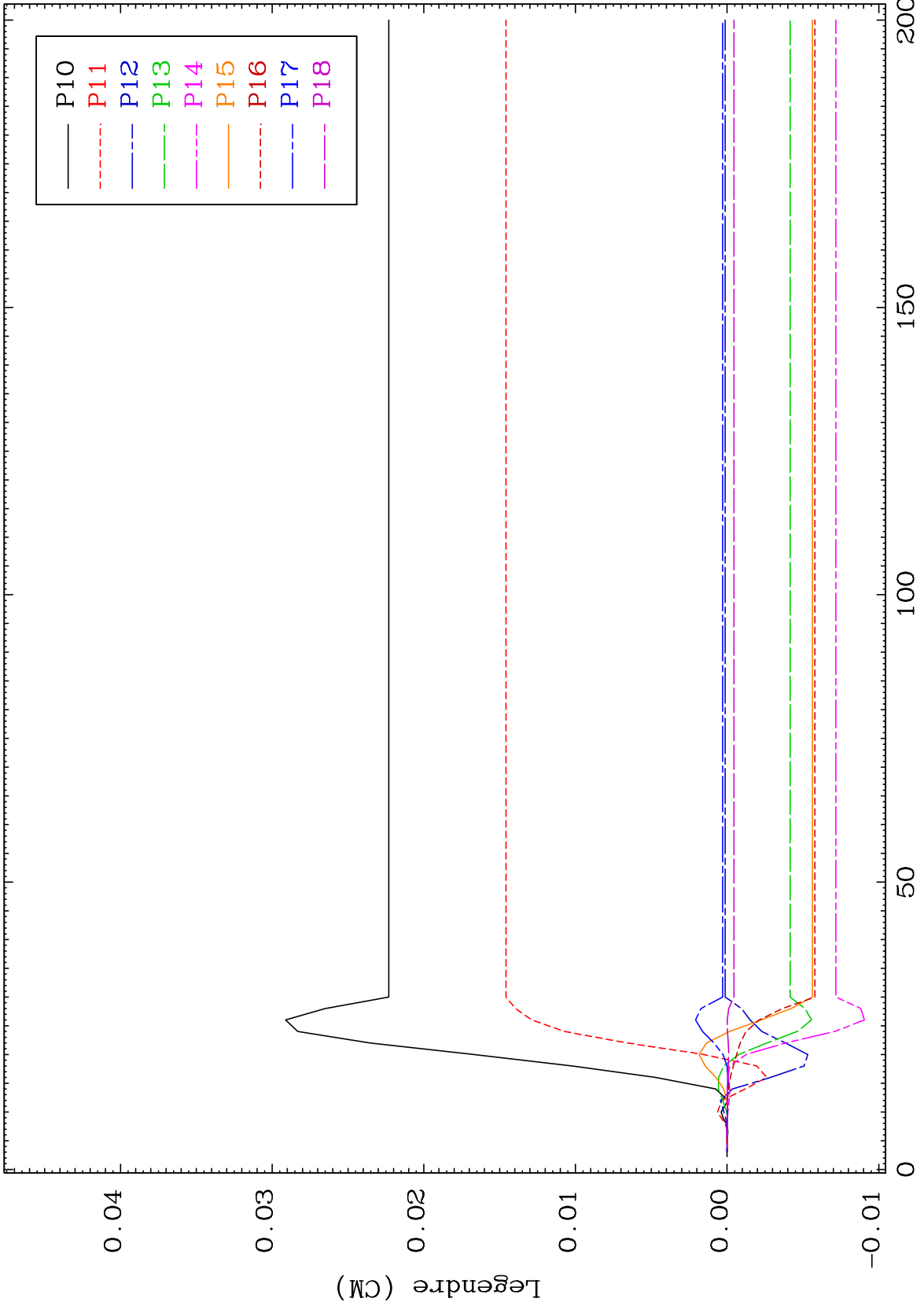
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



112

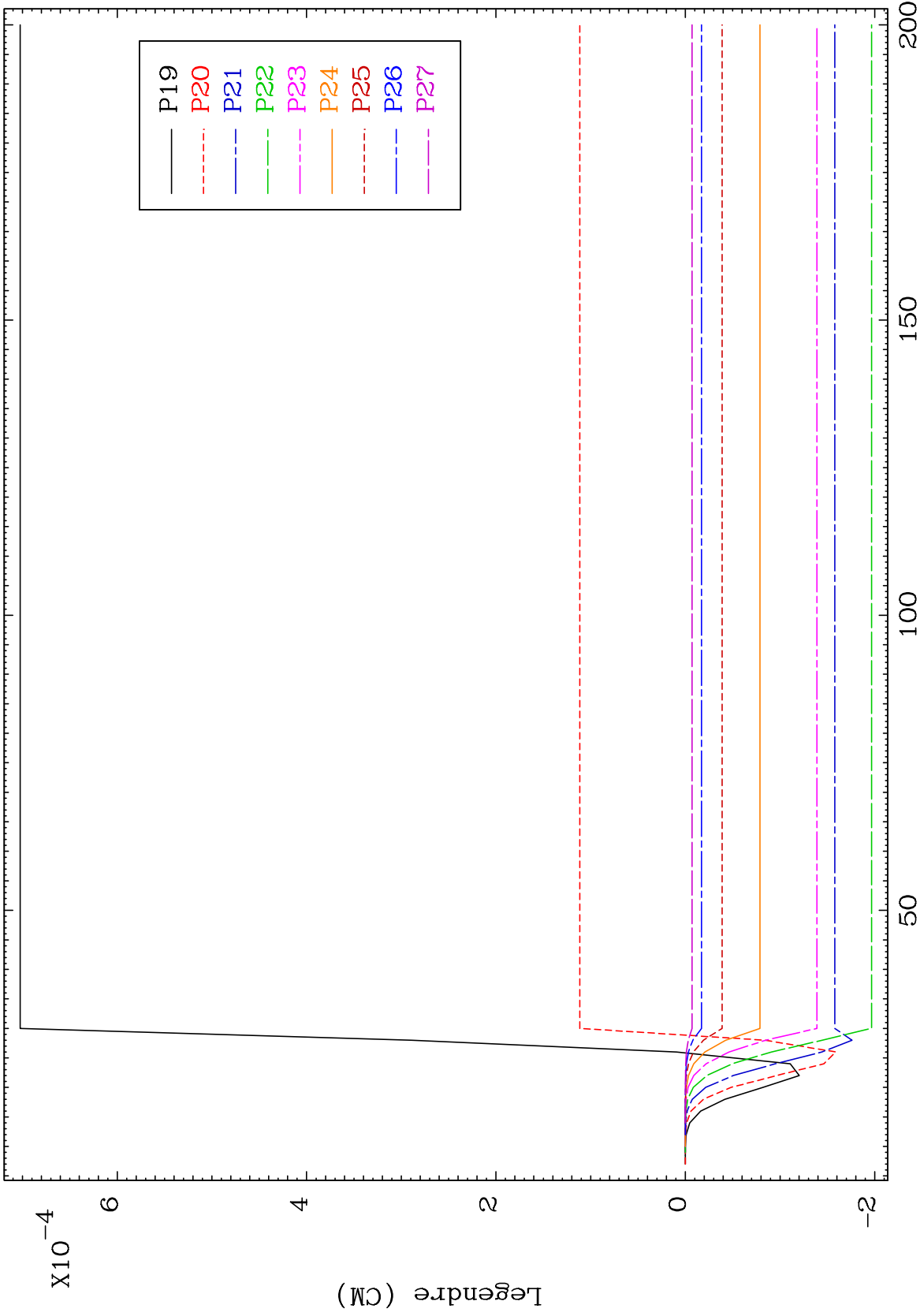
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



113

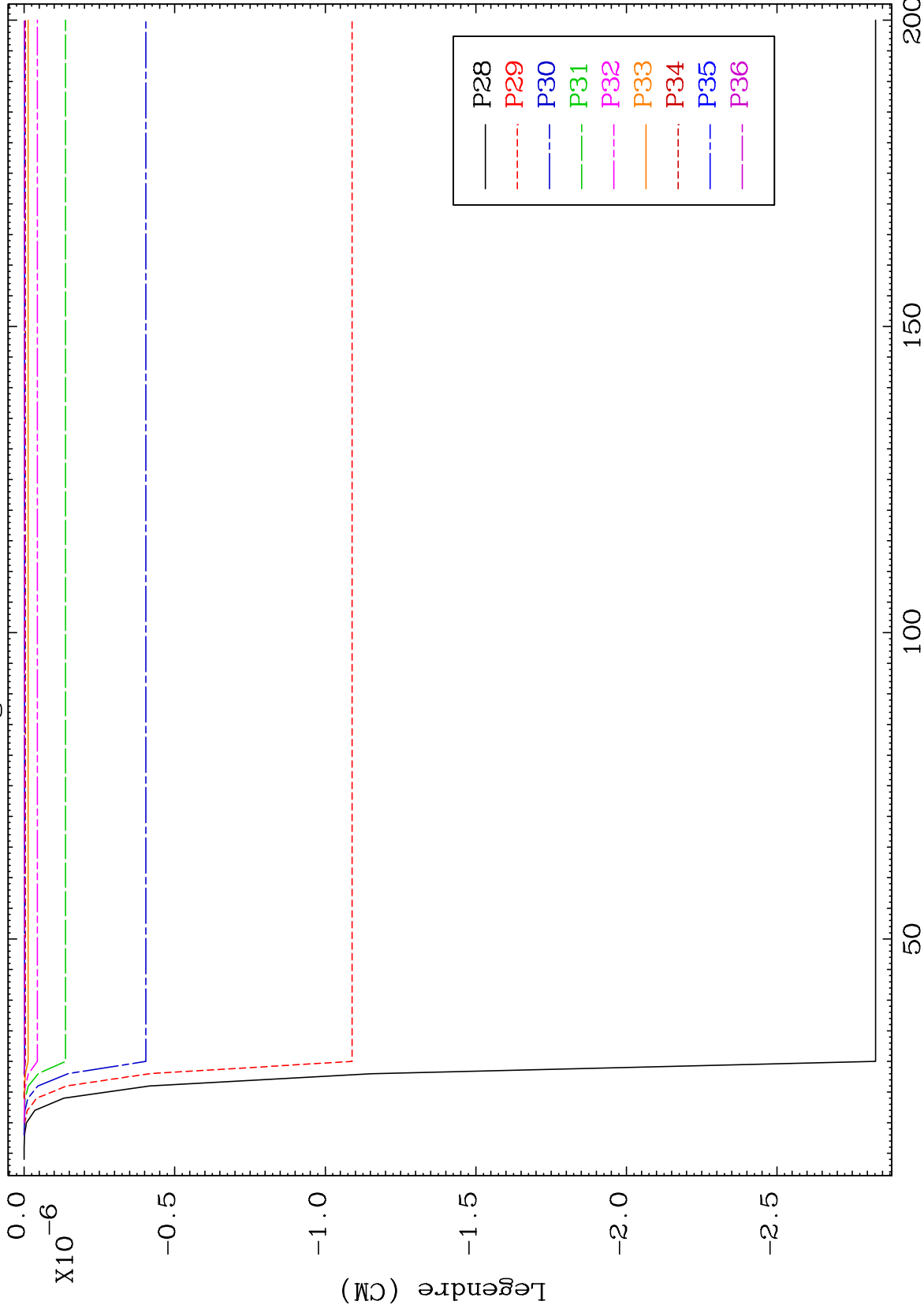
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



63-Eu-159

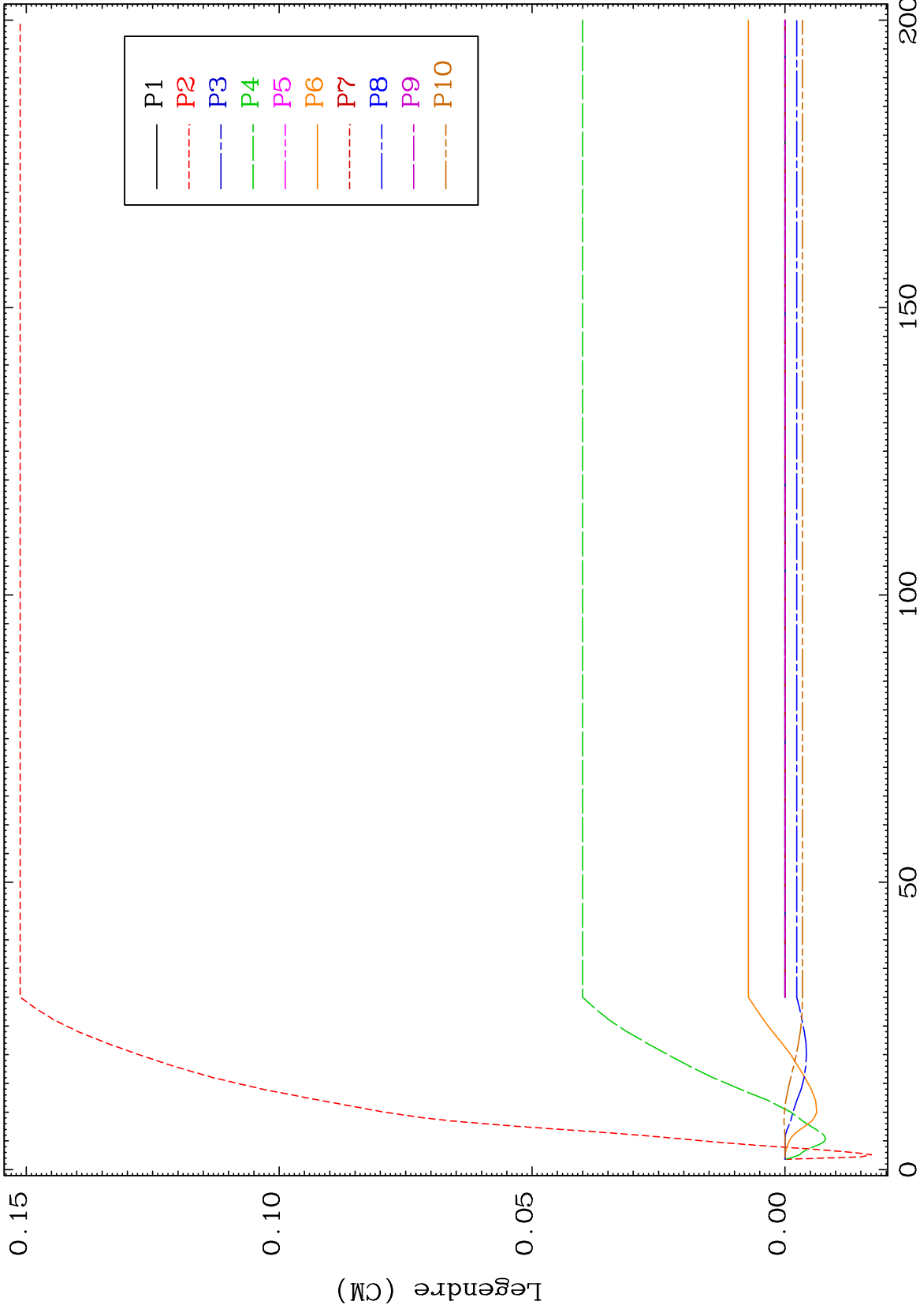
Incident Energy (MeV)

114

MAT 6349

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

63-Eu-159



115

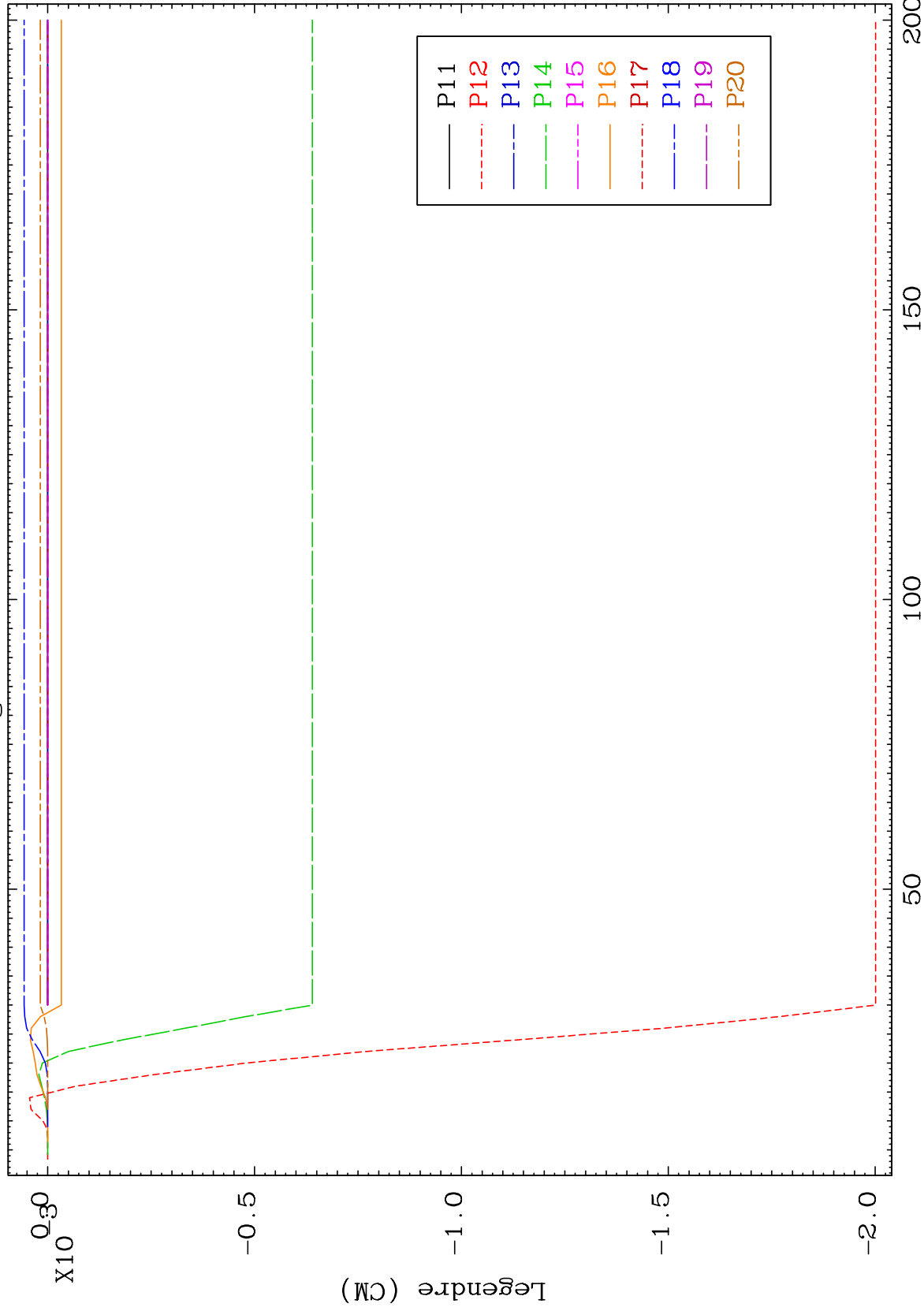
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



116

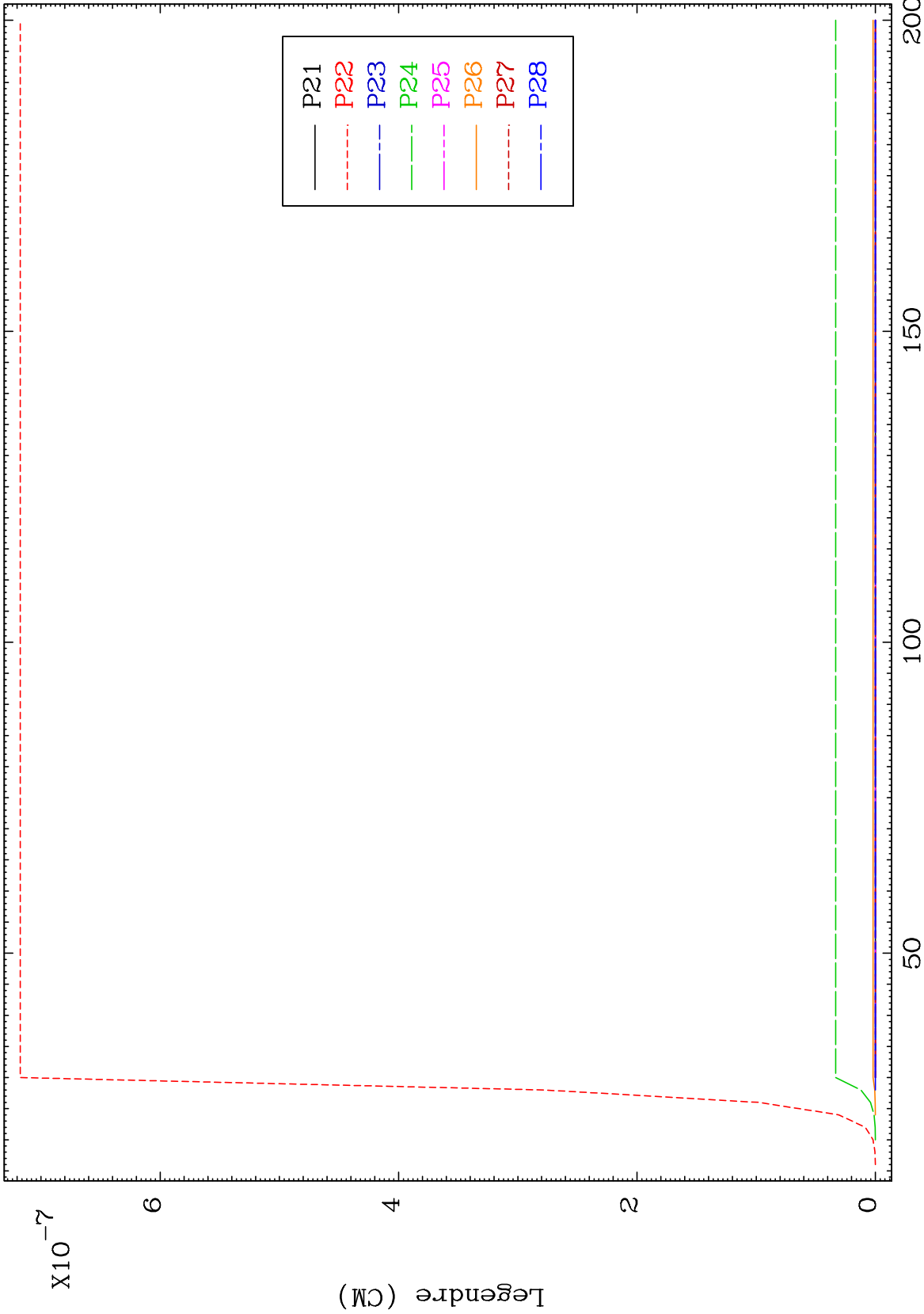
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159

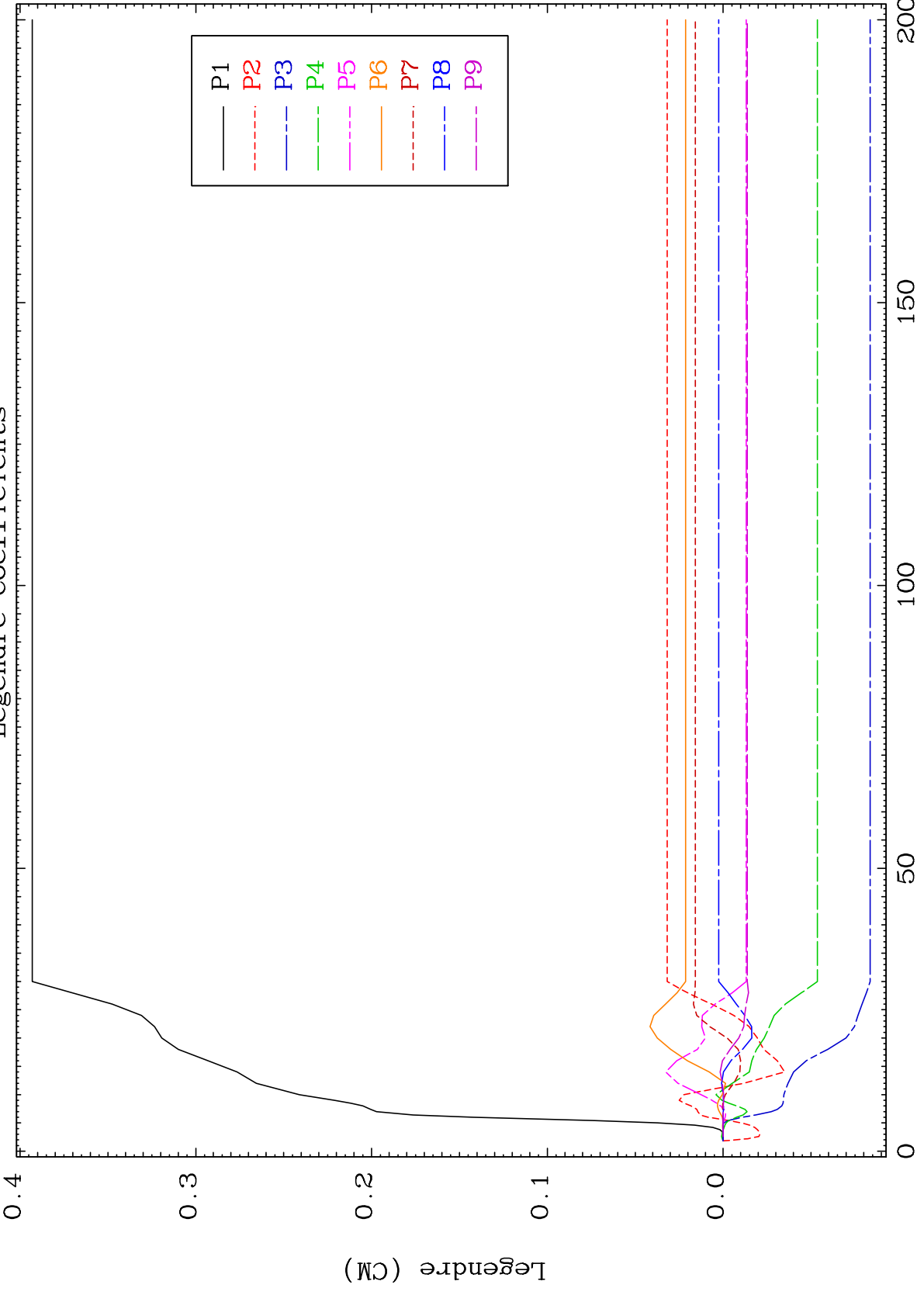


117

Incident Energy (MeV)

63-Eu-159

MAT 6349 MT= 77 (n,n') Level Legendre Coefficients 63-Eu-159



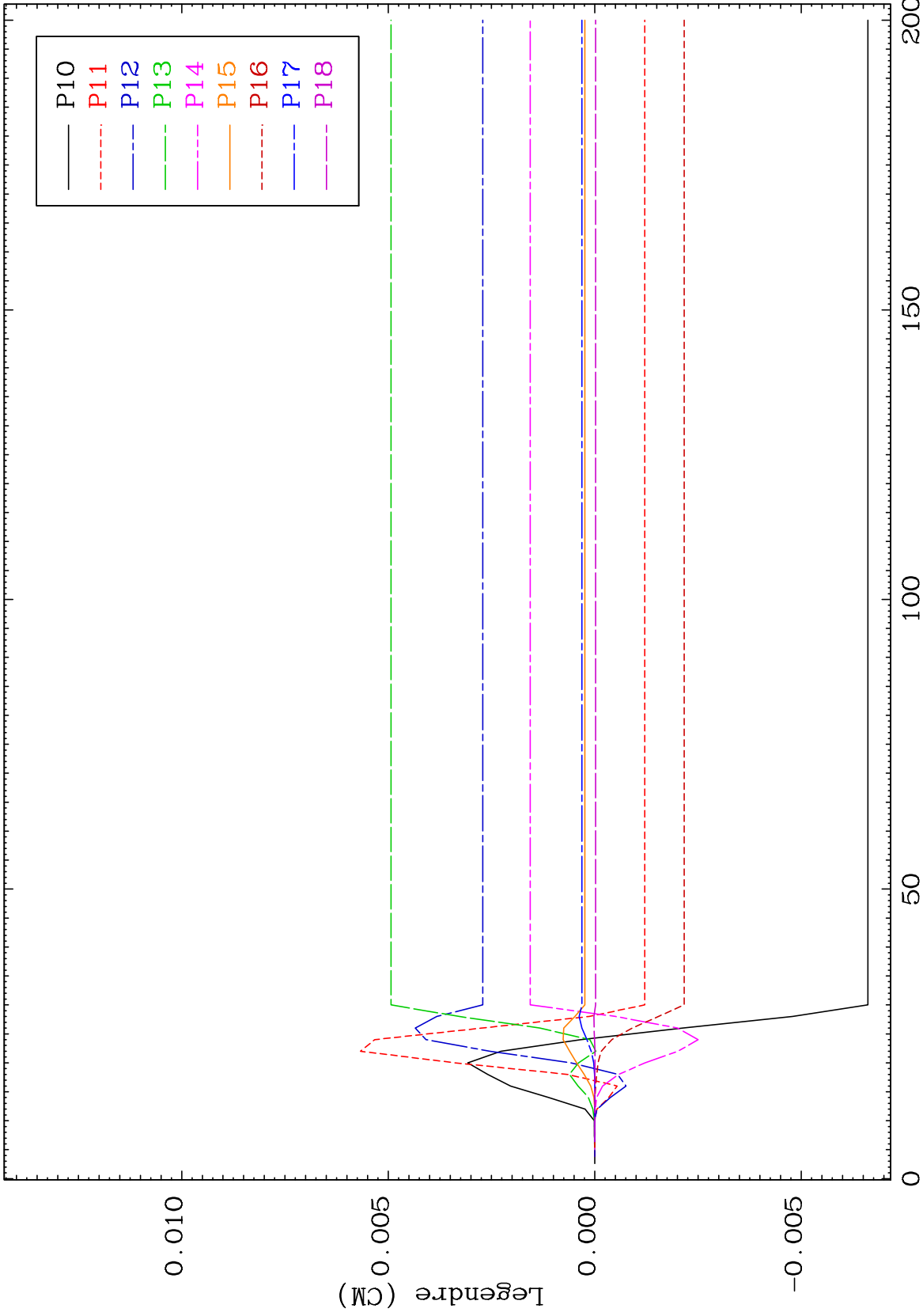
63-Eu-159

Incident Energy (MeV)

MAT 6349

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

63-Eu-159



119

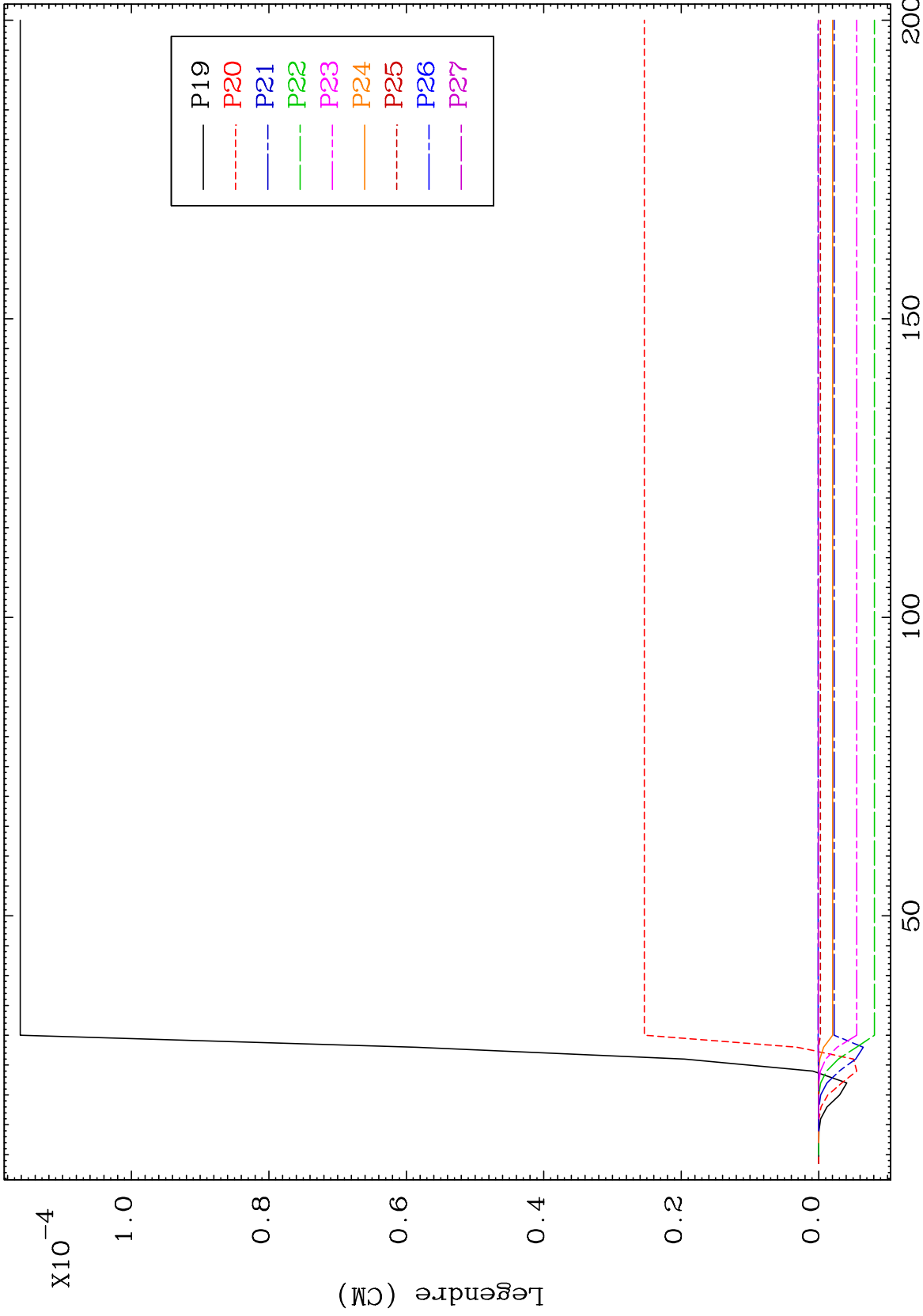
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



120

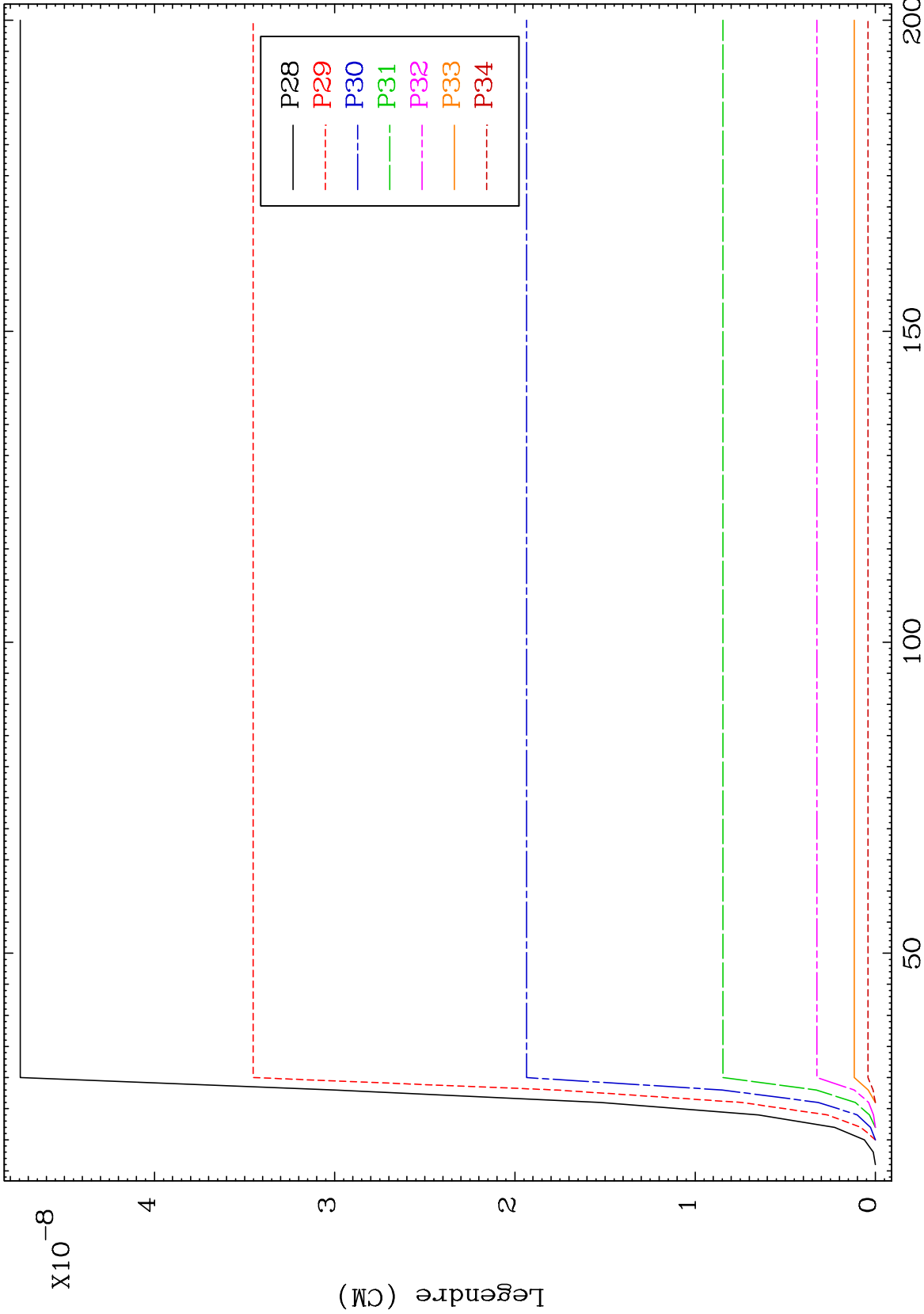
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



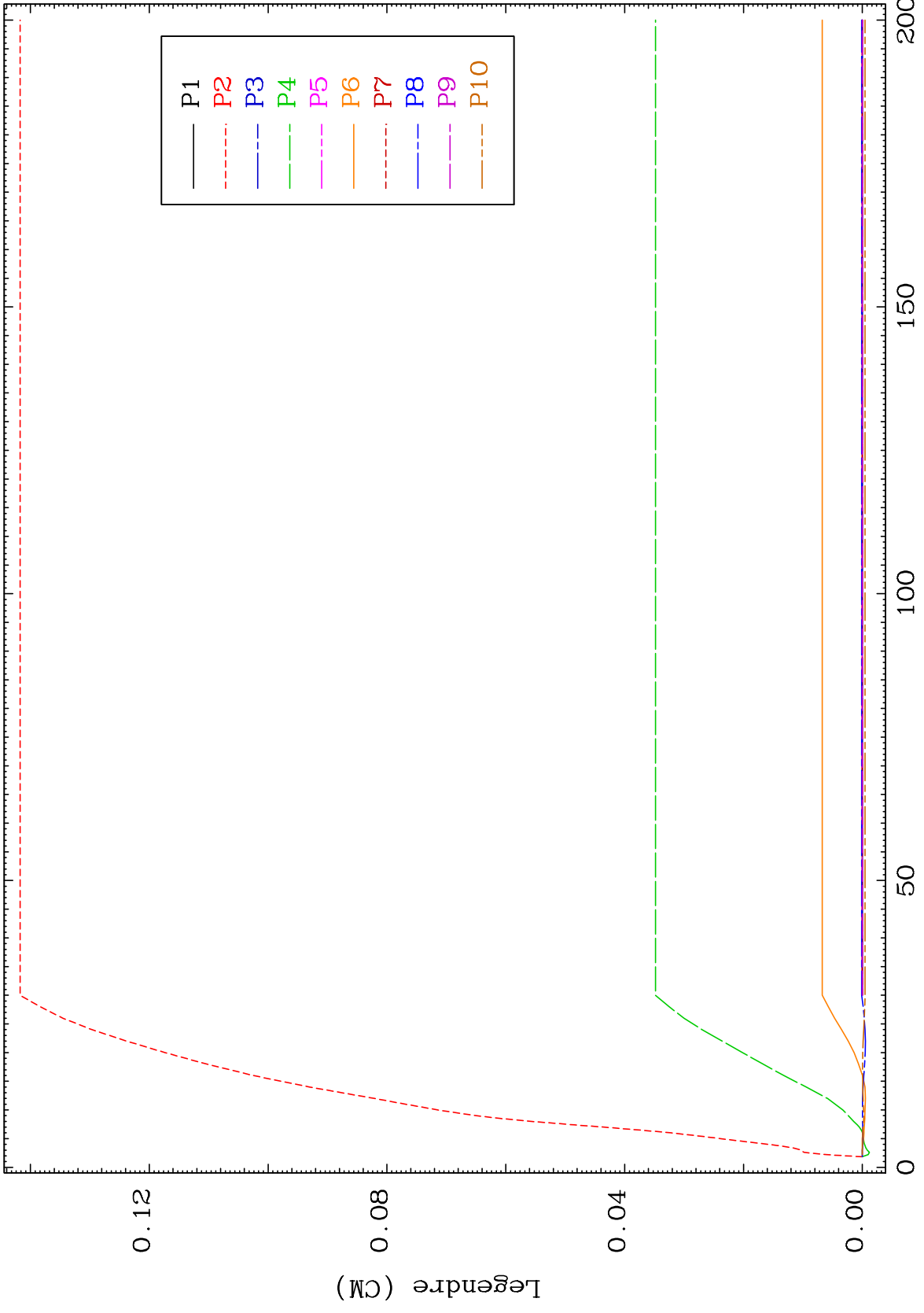
121

63-Eu-159

MAT 6349

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

63-Eu-159



122

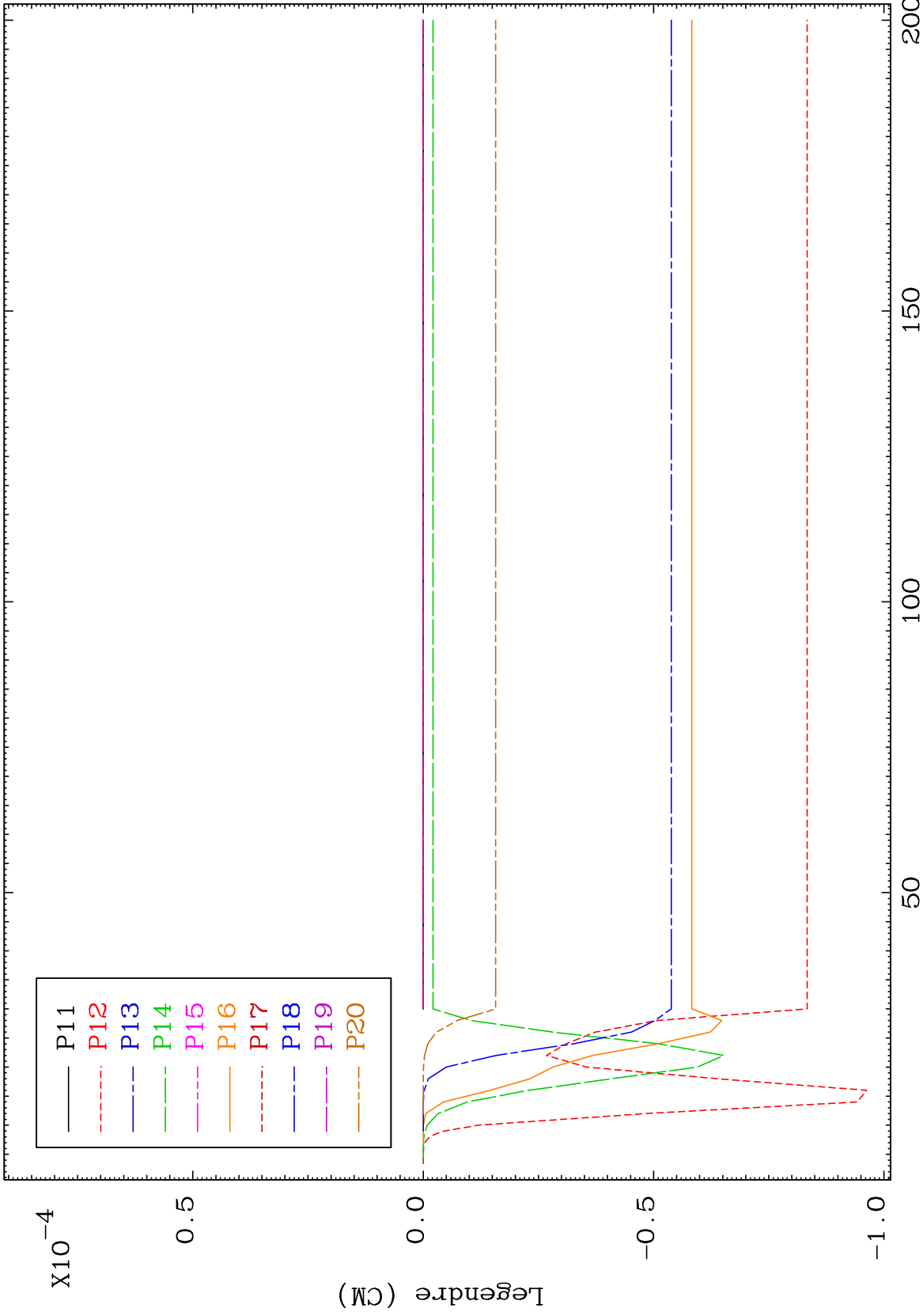
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

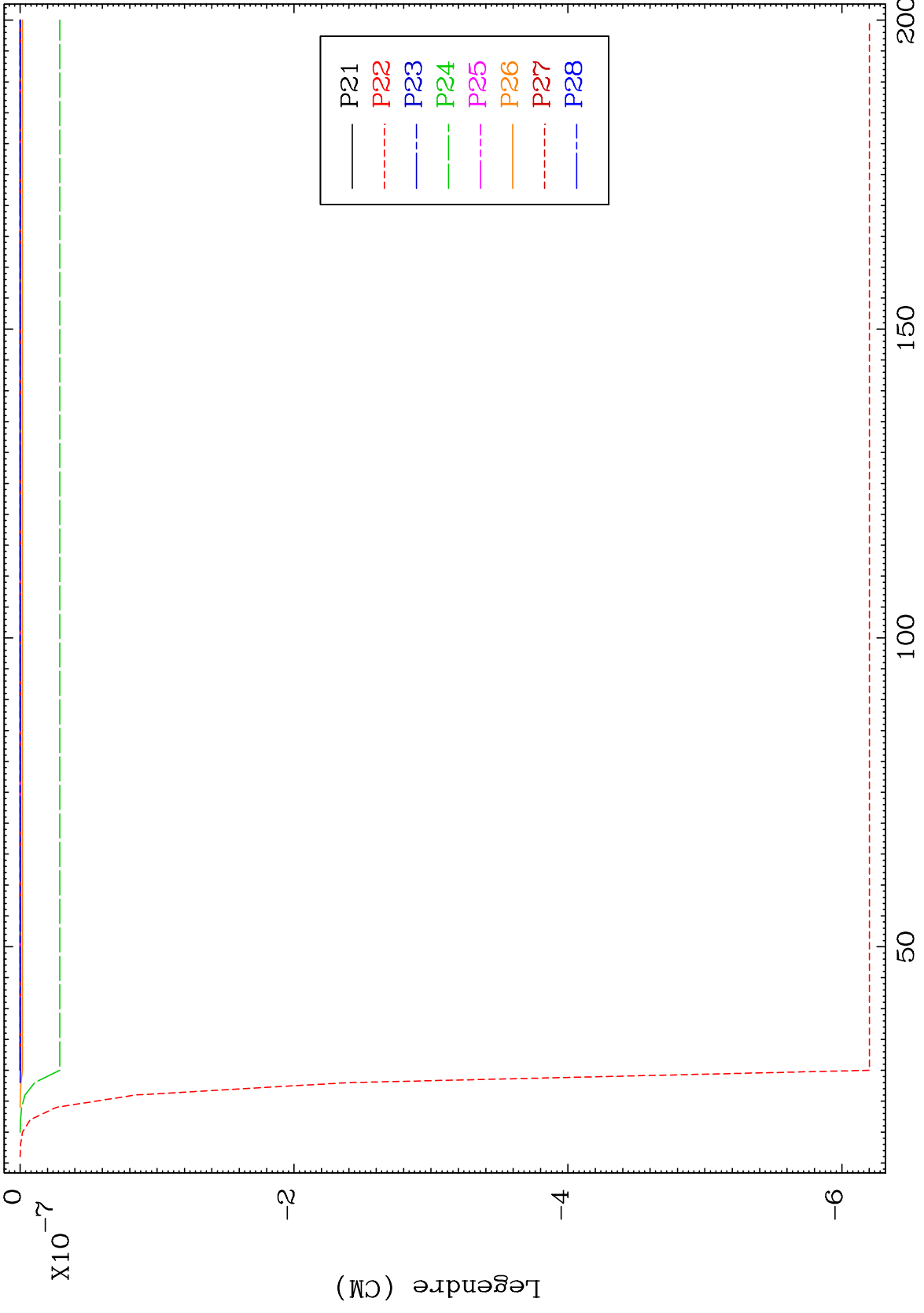
63-Eu-159



123

63-Eu-159

MAT 6349 MT= 78 (n,n') Level Legendre Coefficients 63-Eu-159

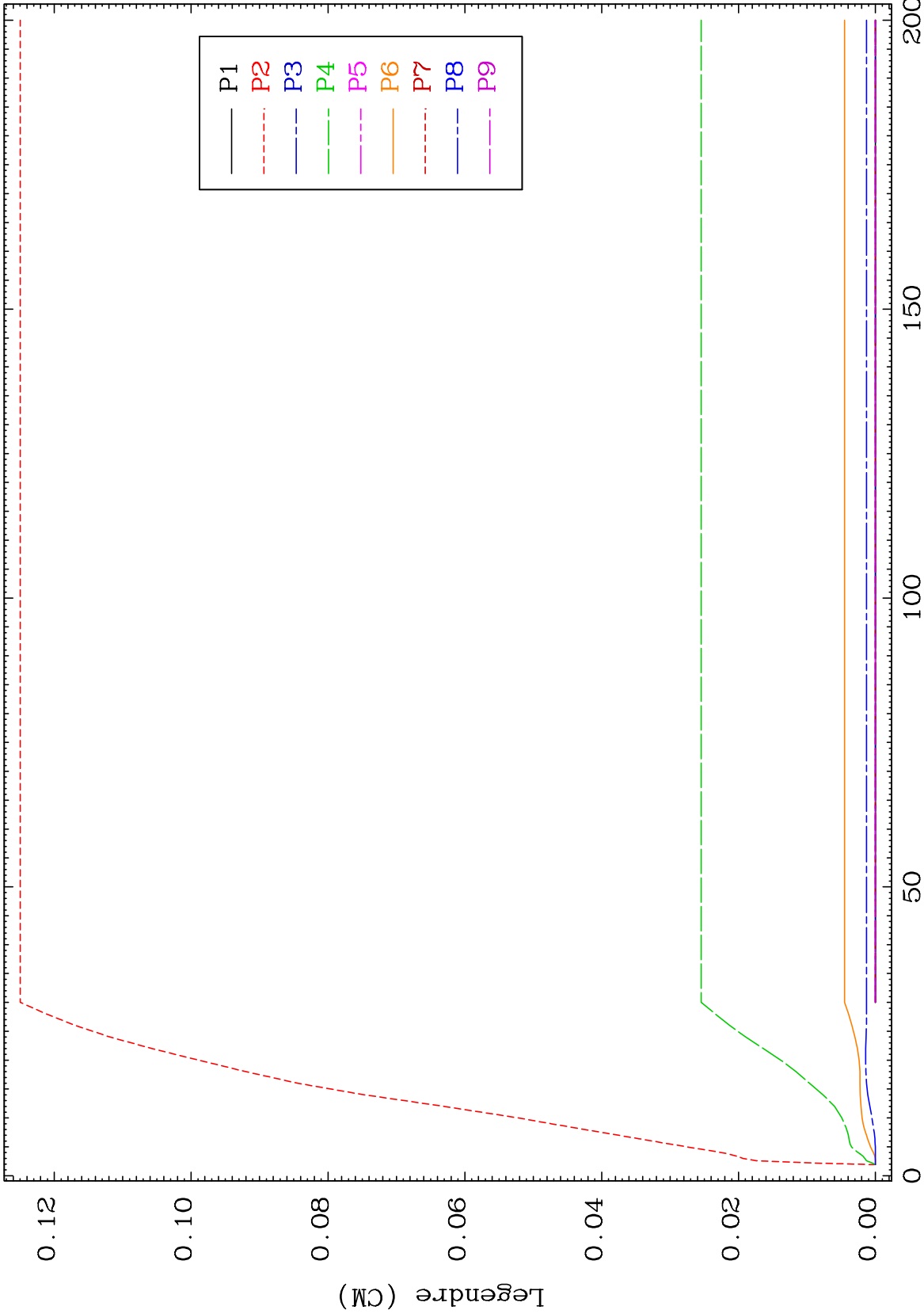


124 63-Eu-159

MAT 6349

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

63-Eu-159



125

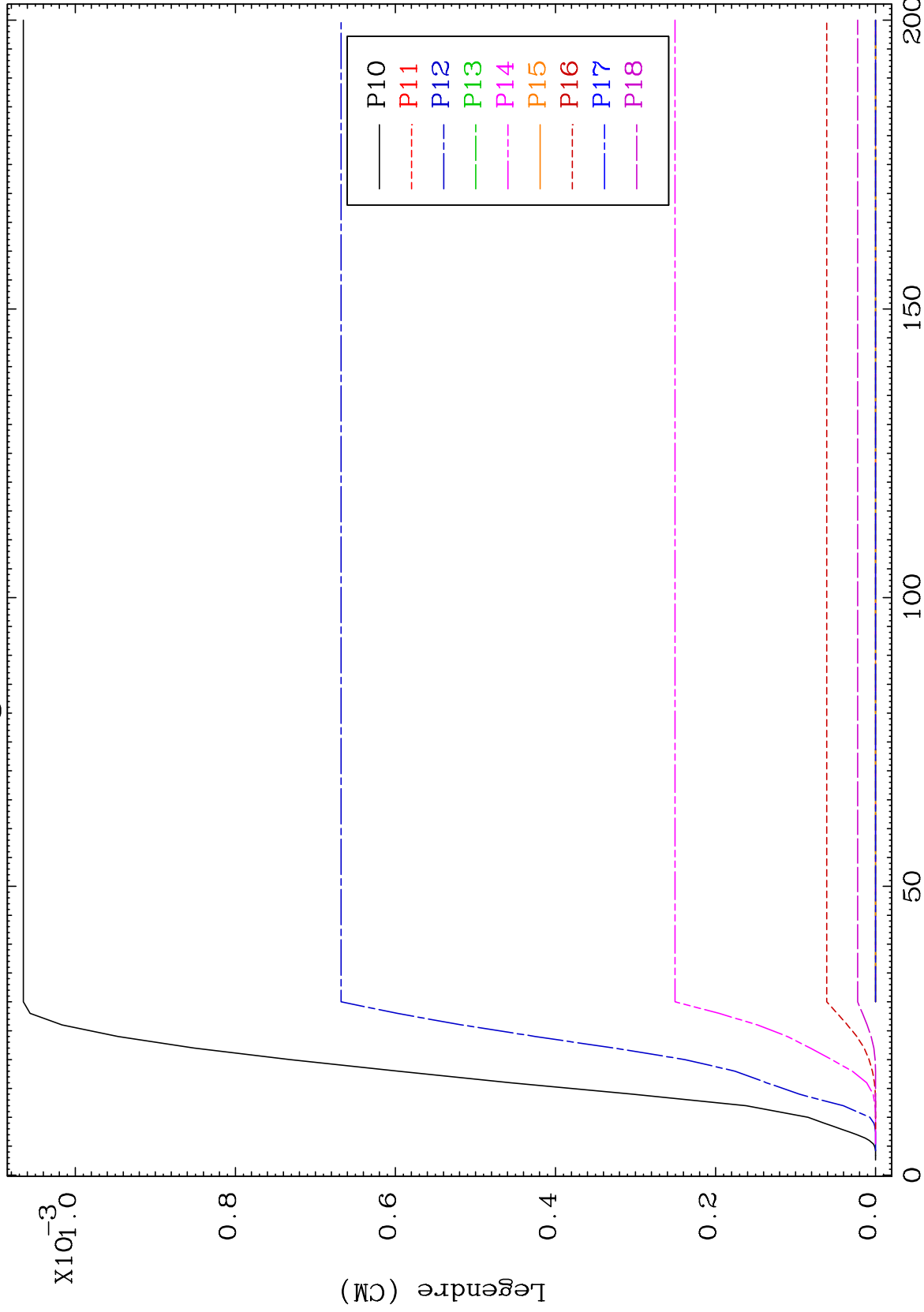
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



126

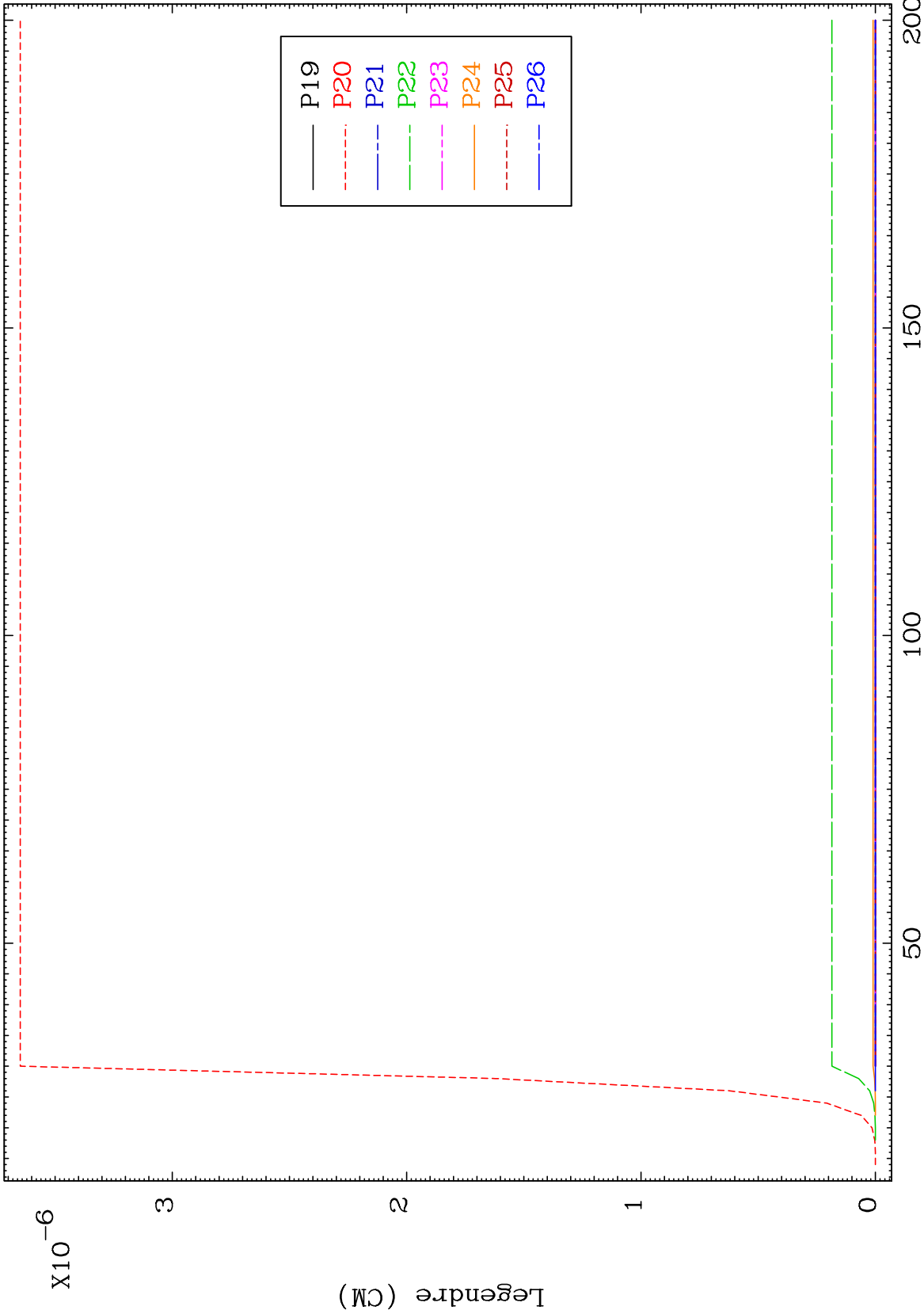
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



127

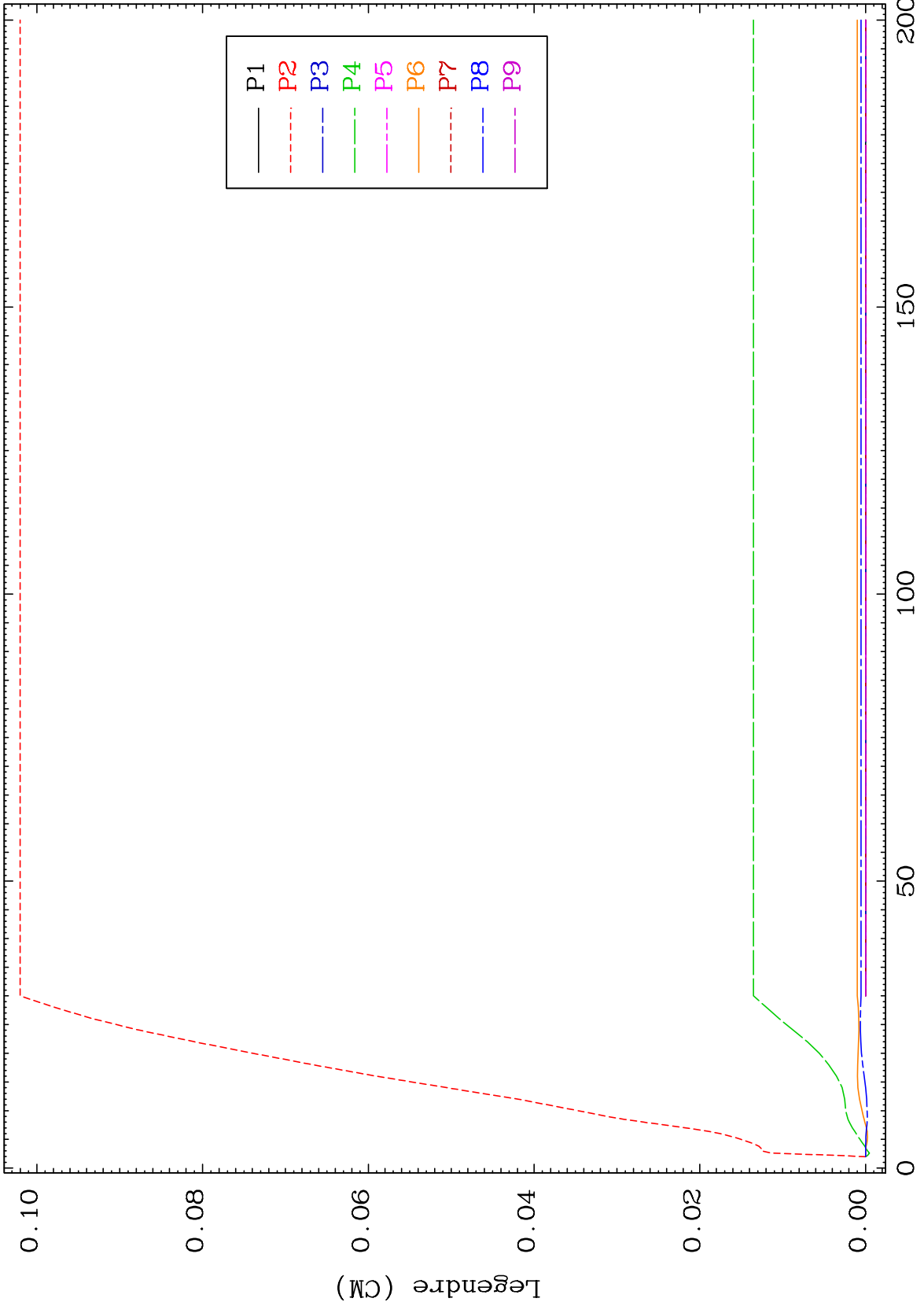
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159



128

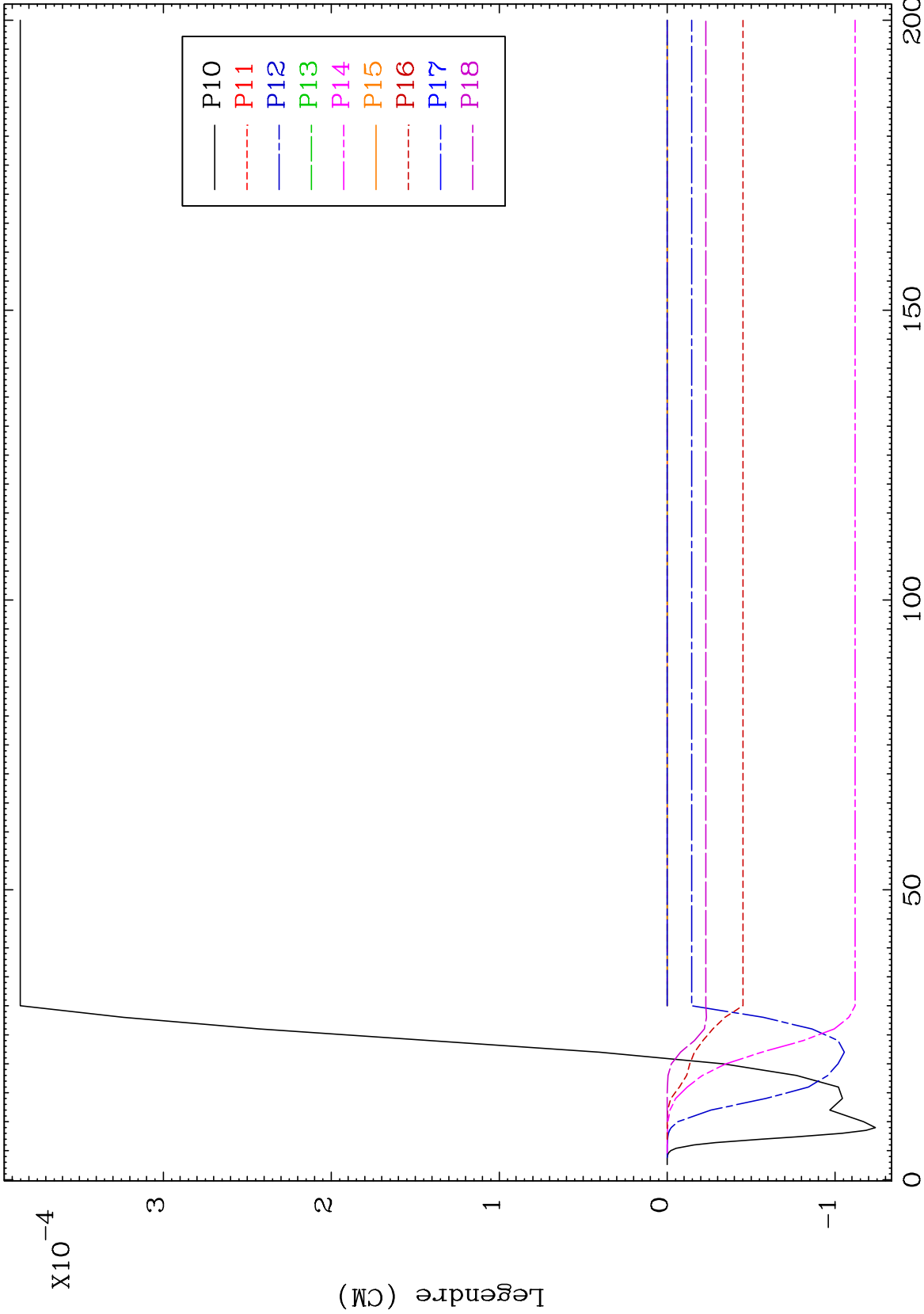
Incident Energy (MeV)

63-Eu-159

MAT 6349

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

63-Eu-159

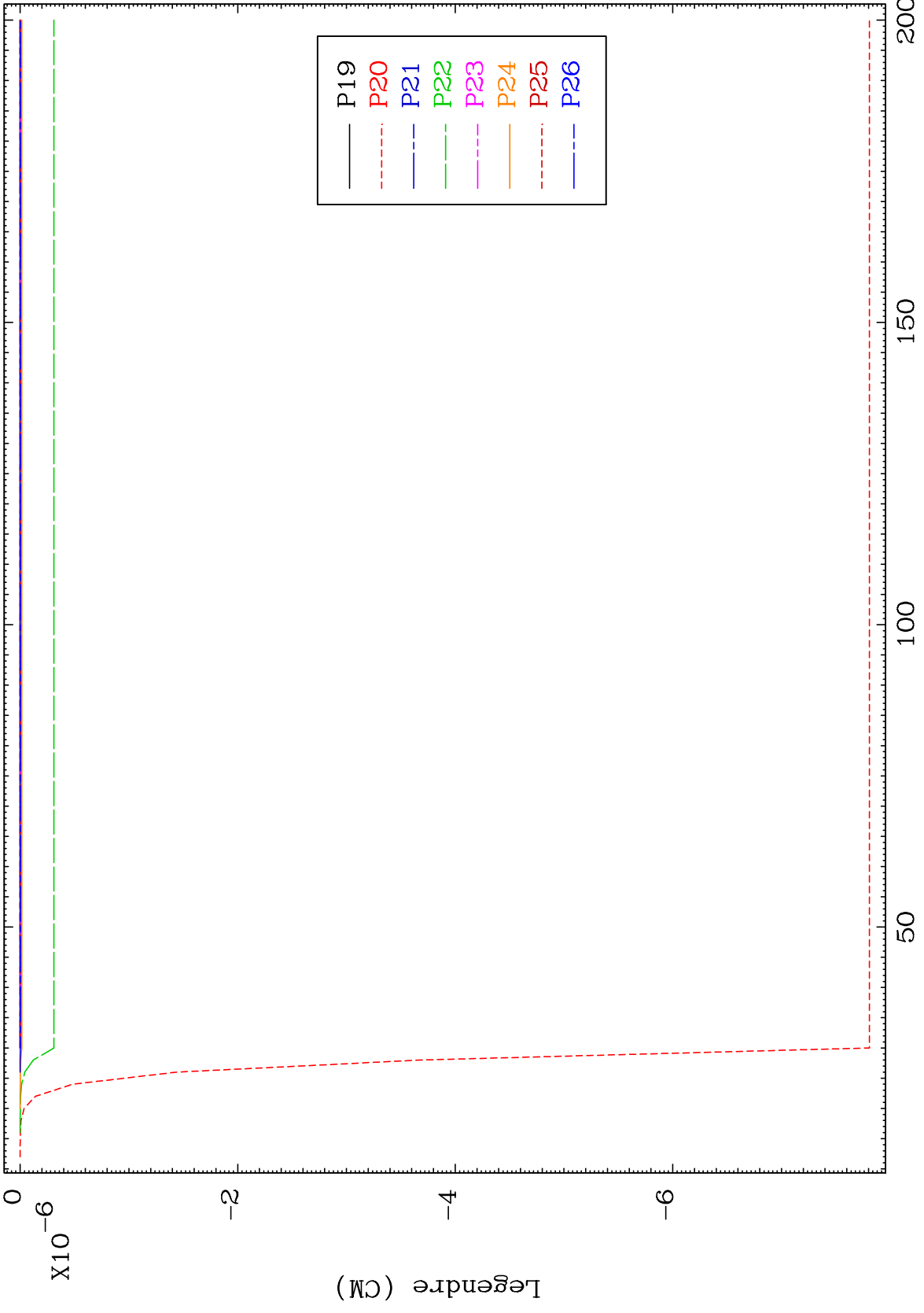


129

Incident Energy (MeV)

63-Eu-159

MAT 6349 MT= 80 (n, n') Level Legendre Coefficients 63-Eu-159



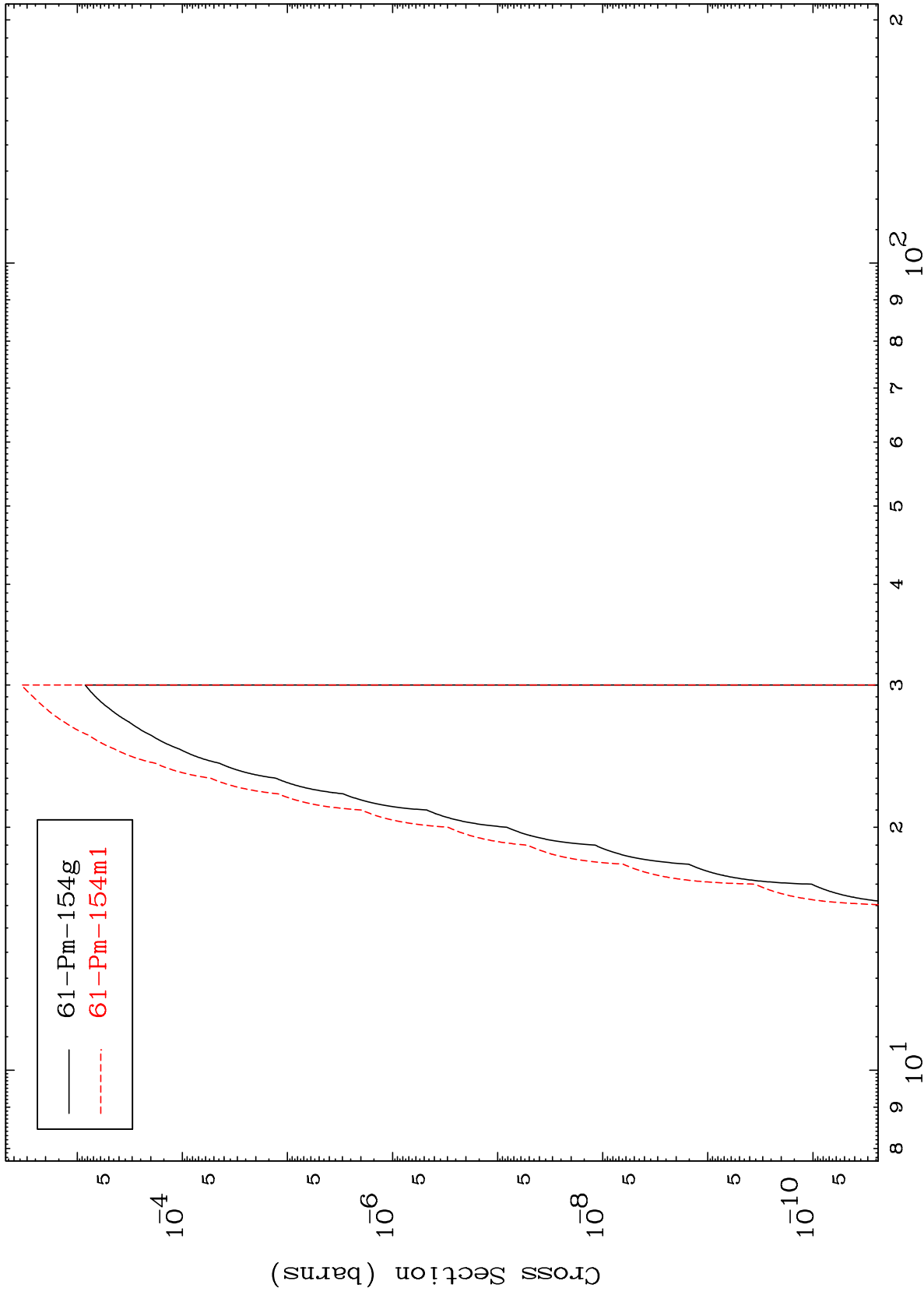
130 Incident Energy (MeV) 63-Eu-159

MAT 6349

(n,2n) α

63-Eu-159

Radionuclide Production Cross Section



131

Incident Energy (MeV)

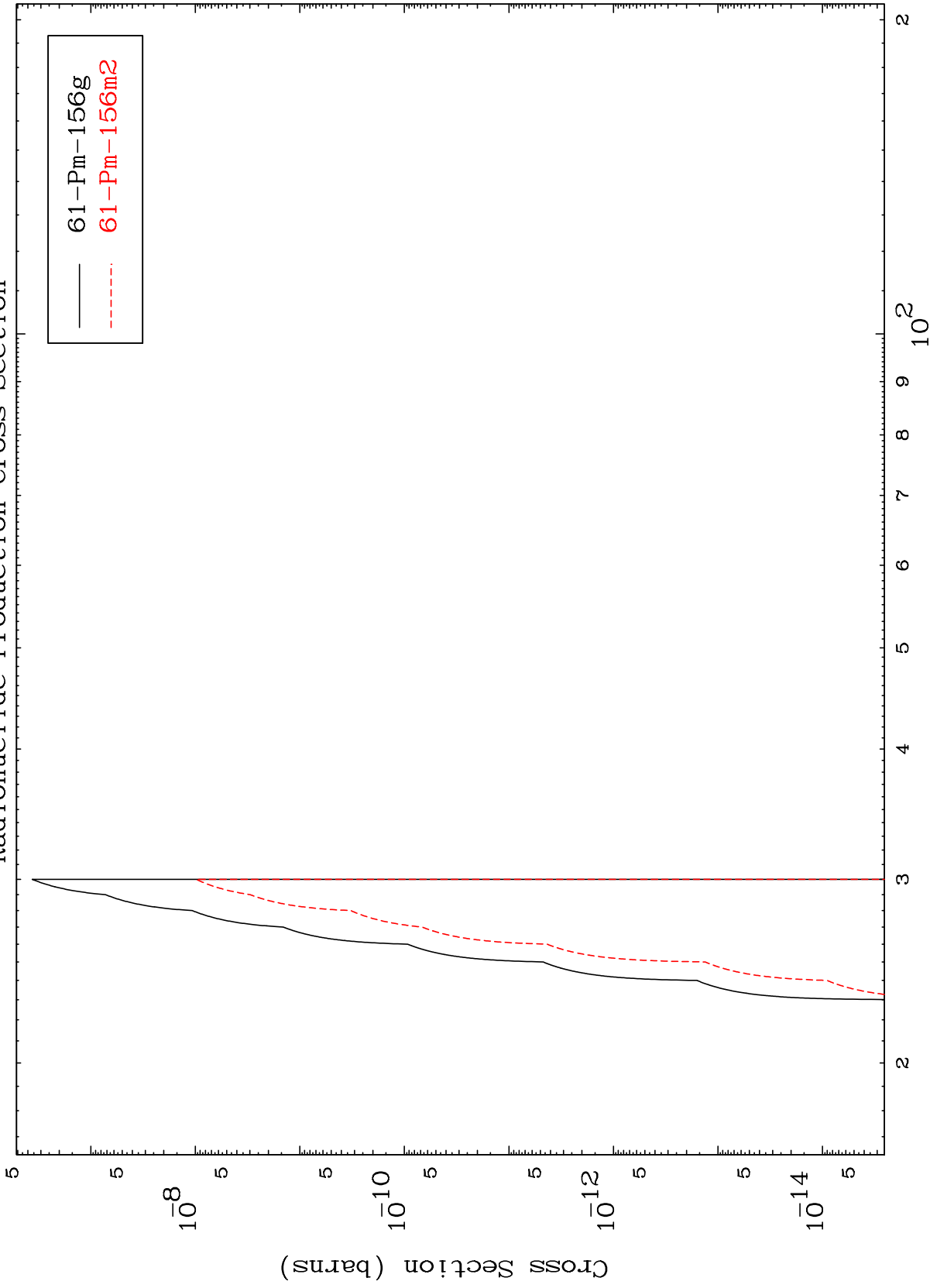
63-Eu-159

MAT 6349

(n, n') He-3

63-Eu-159

Radionuclide Production Cross Section



132

Incident Energy (MeV)

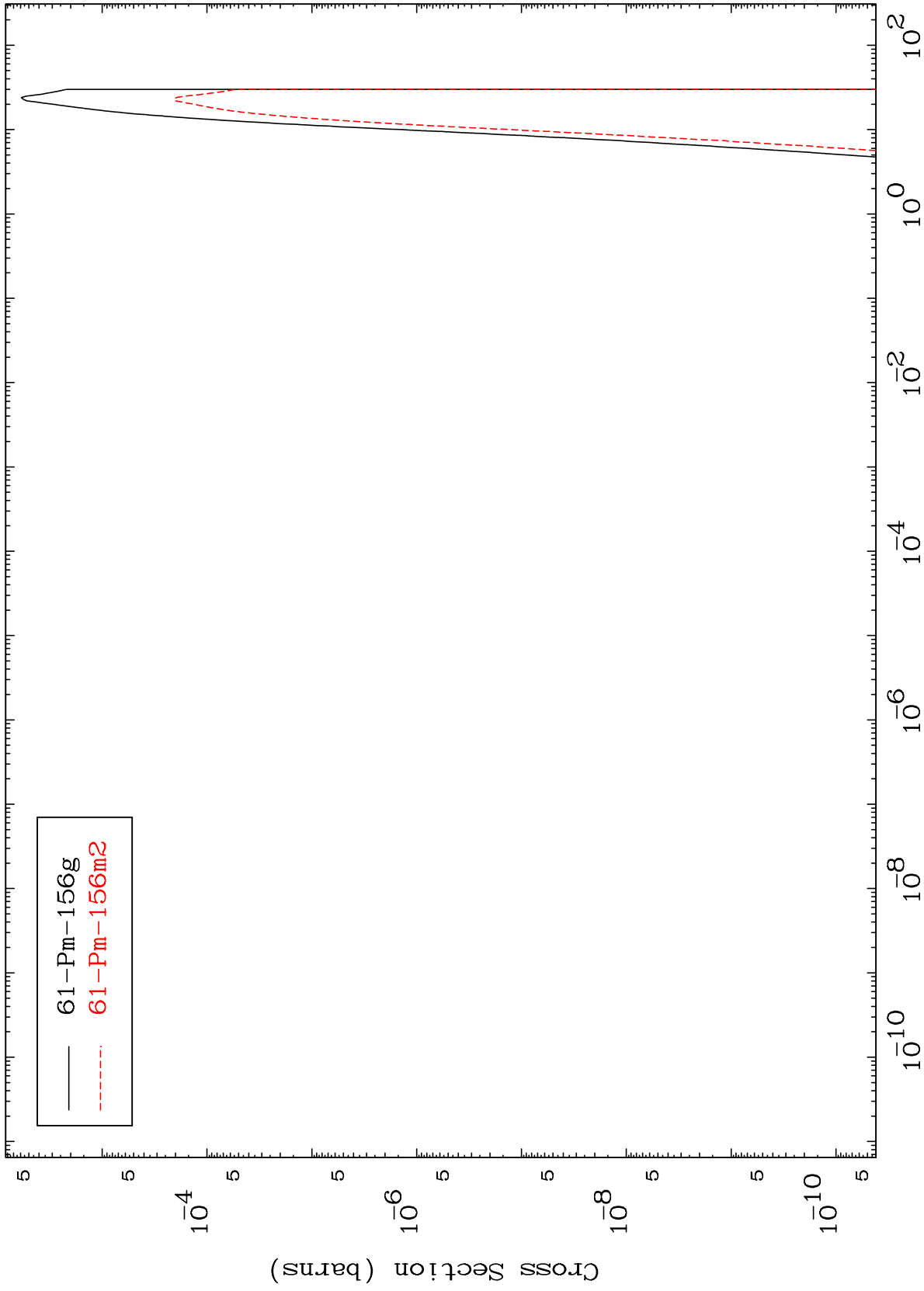
63-Eu-159

MAT 6349

(n, α)

63-Eu-159

Radionuclide Production Cross Section



133

Incident Energy (MeV)

63-Eu-159