

Program EVALPLOT
(Version 2017-1)

by

Dermott E. Cullen
(Present Contact Information)

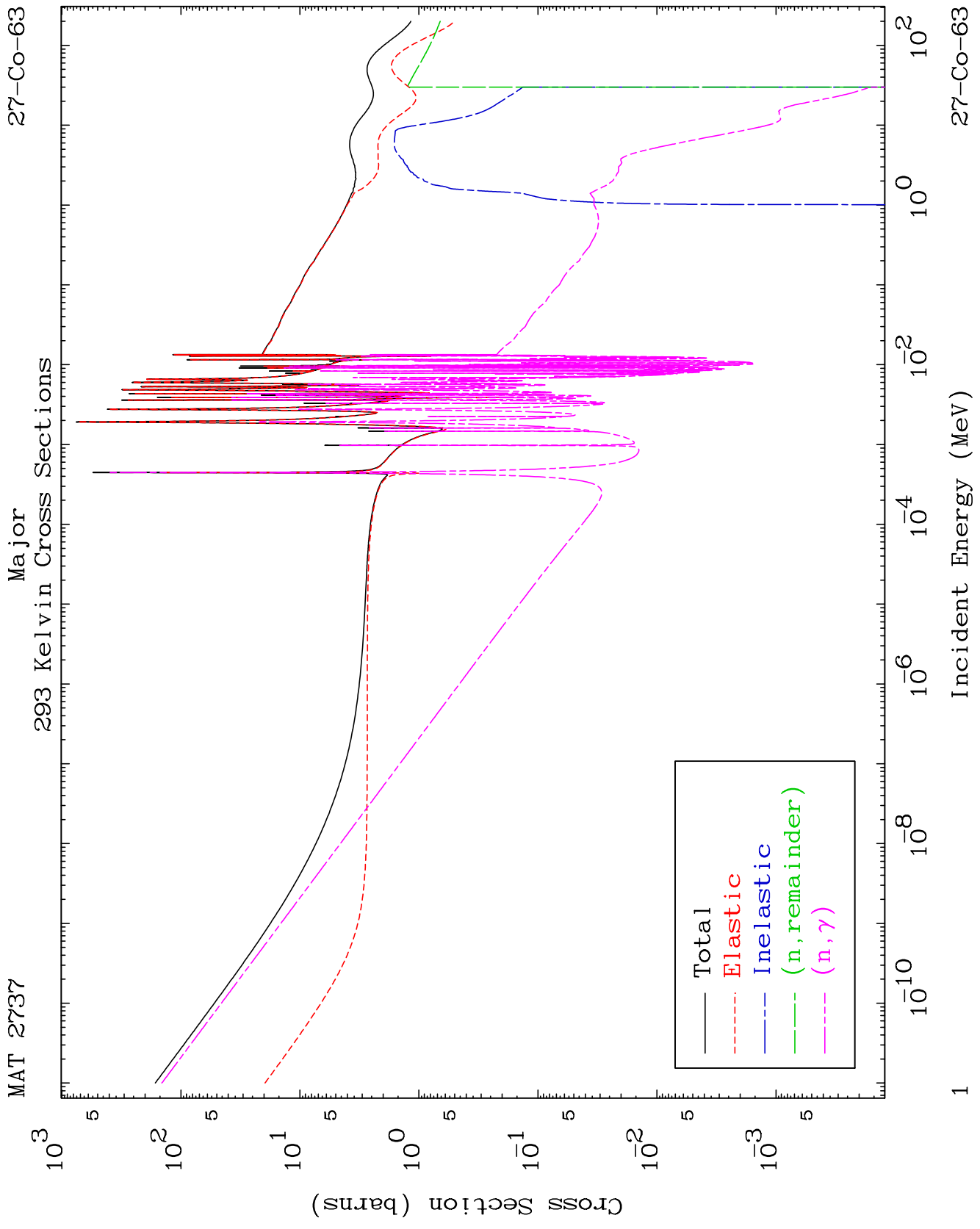
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Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

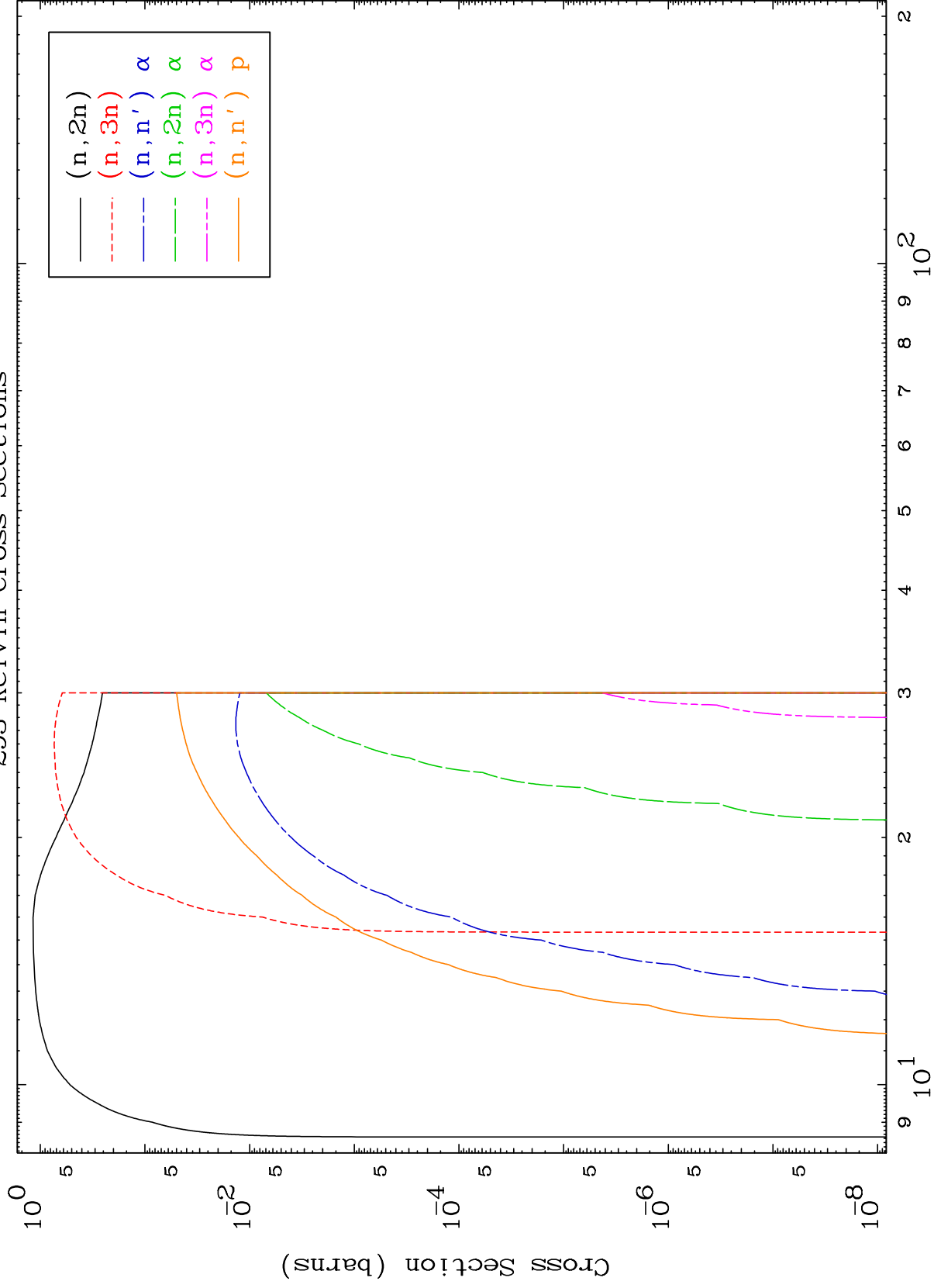
Press Mouse Button to Start



MAT 2737

Neutron Production
293 Kelvin Cross Sections

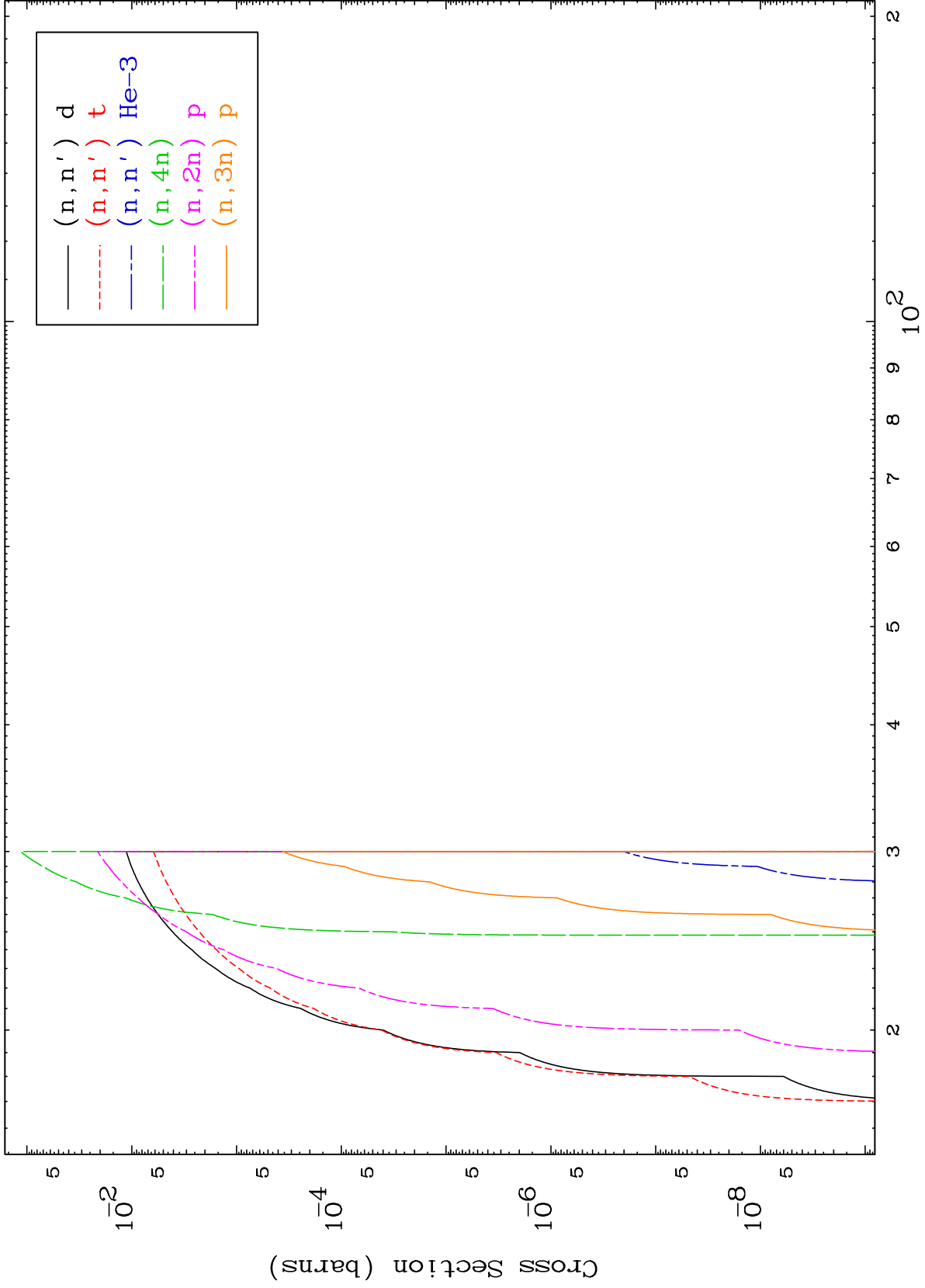
27-Co-63



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Incident Energy (MeV)

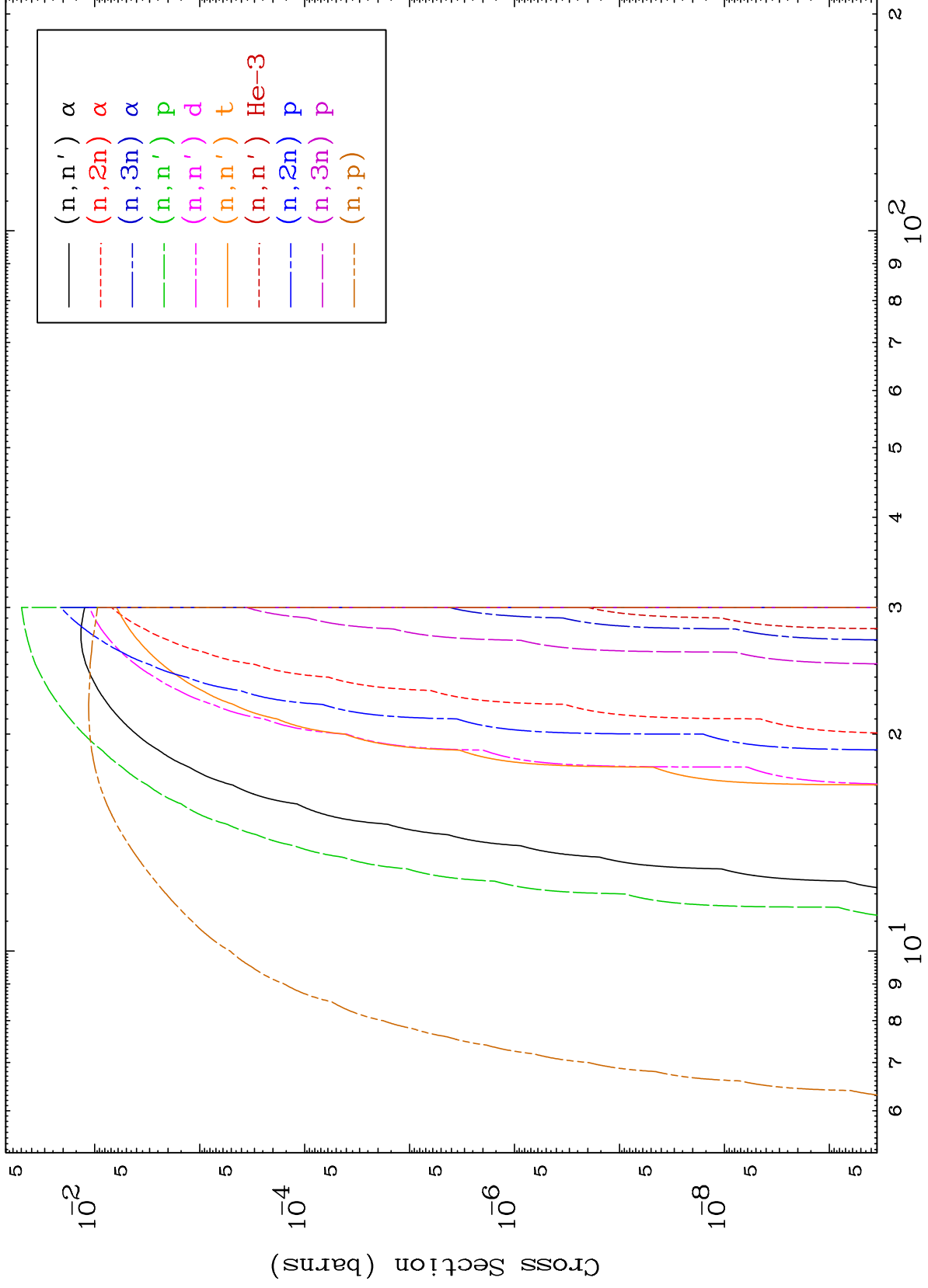
27-Co-63

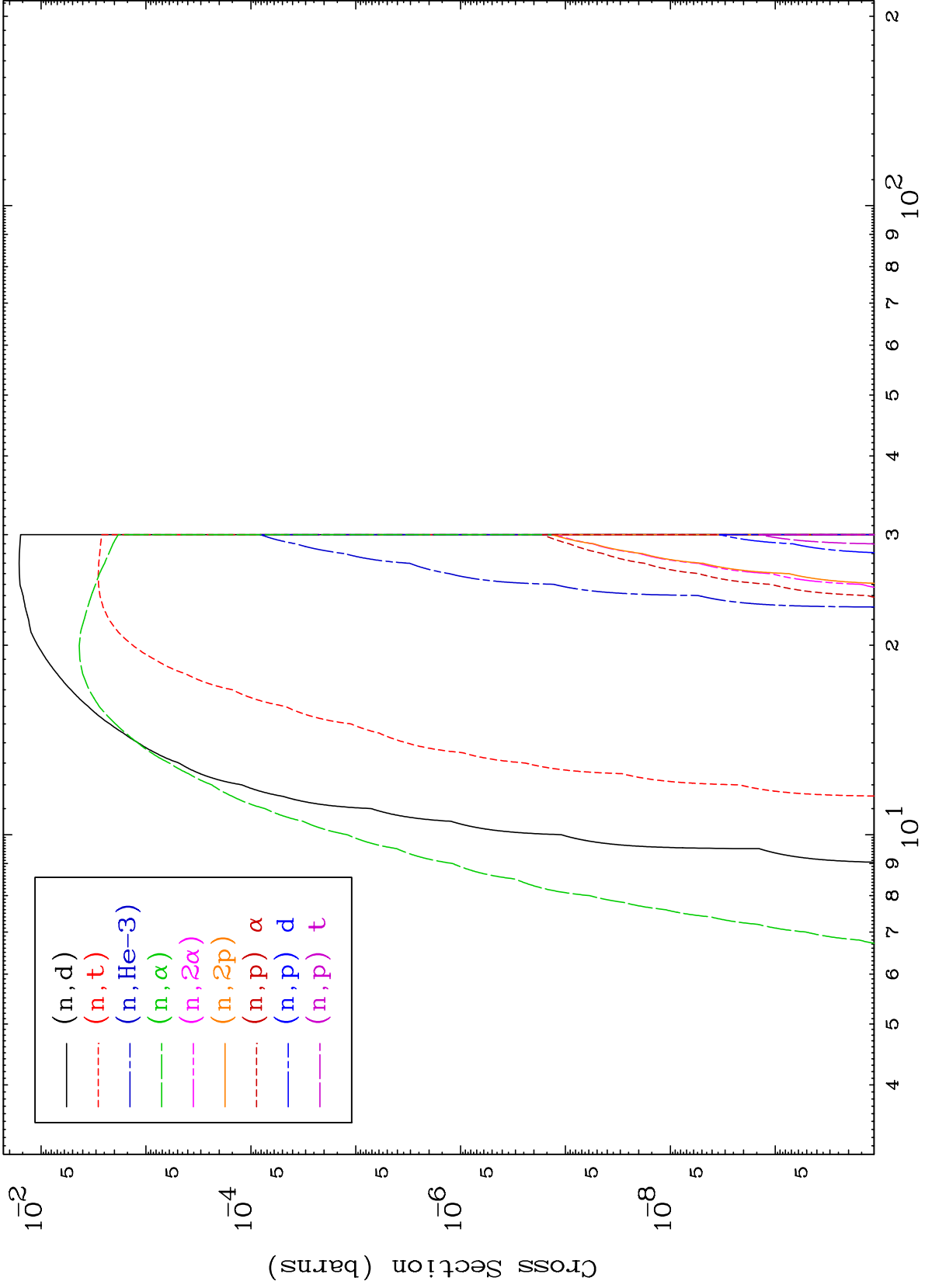


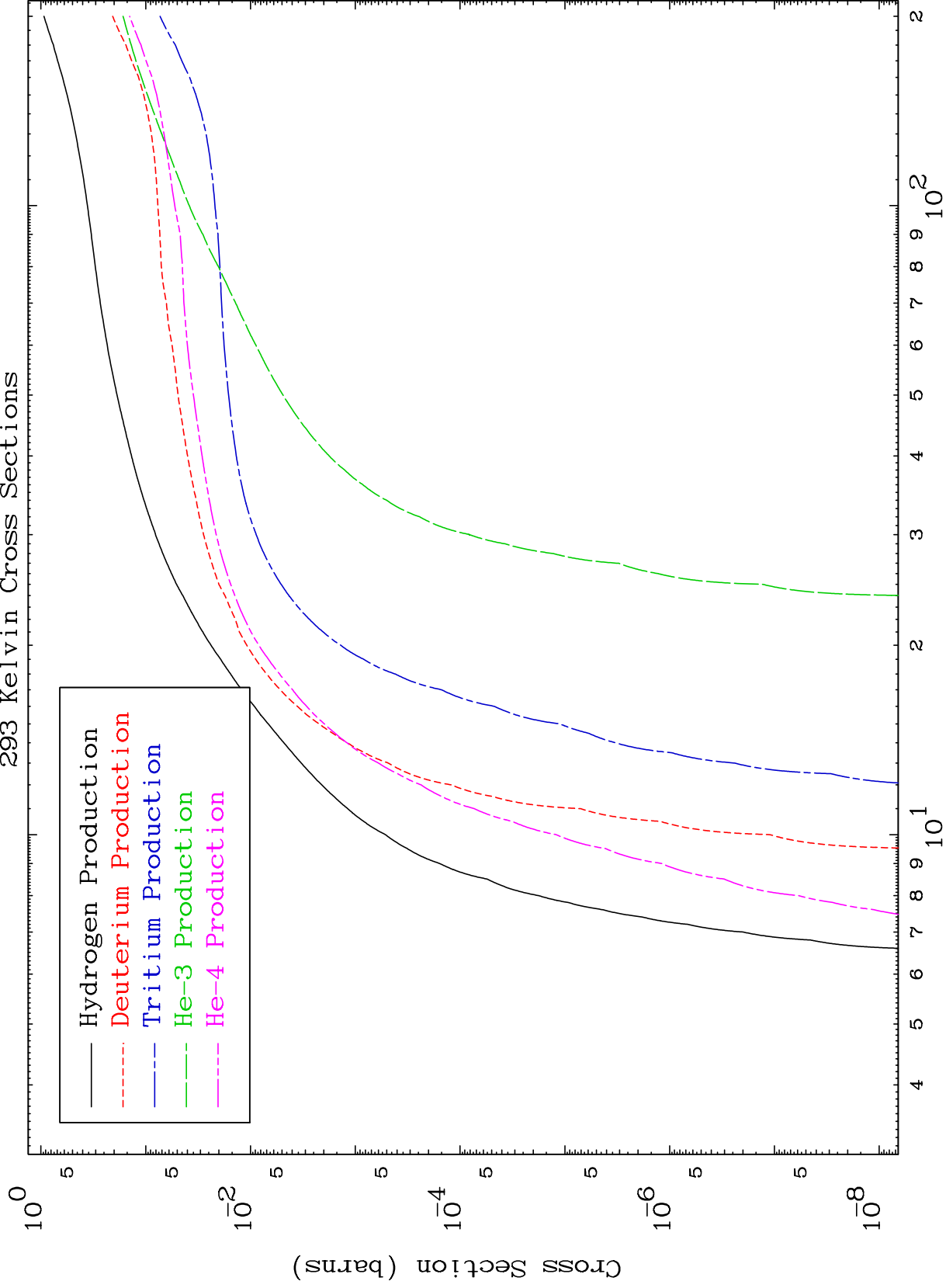
MAT 2737

Charged Particle
293 Kelvin Cross Sections

27-Co-63





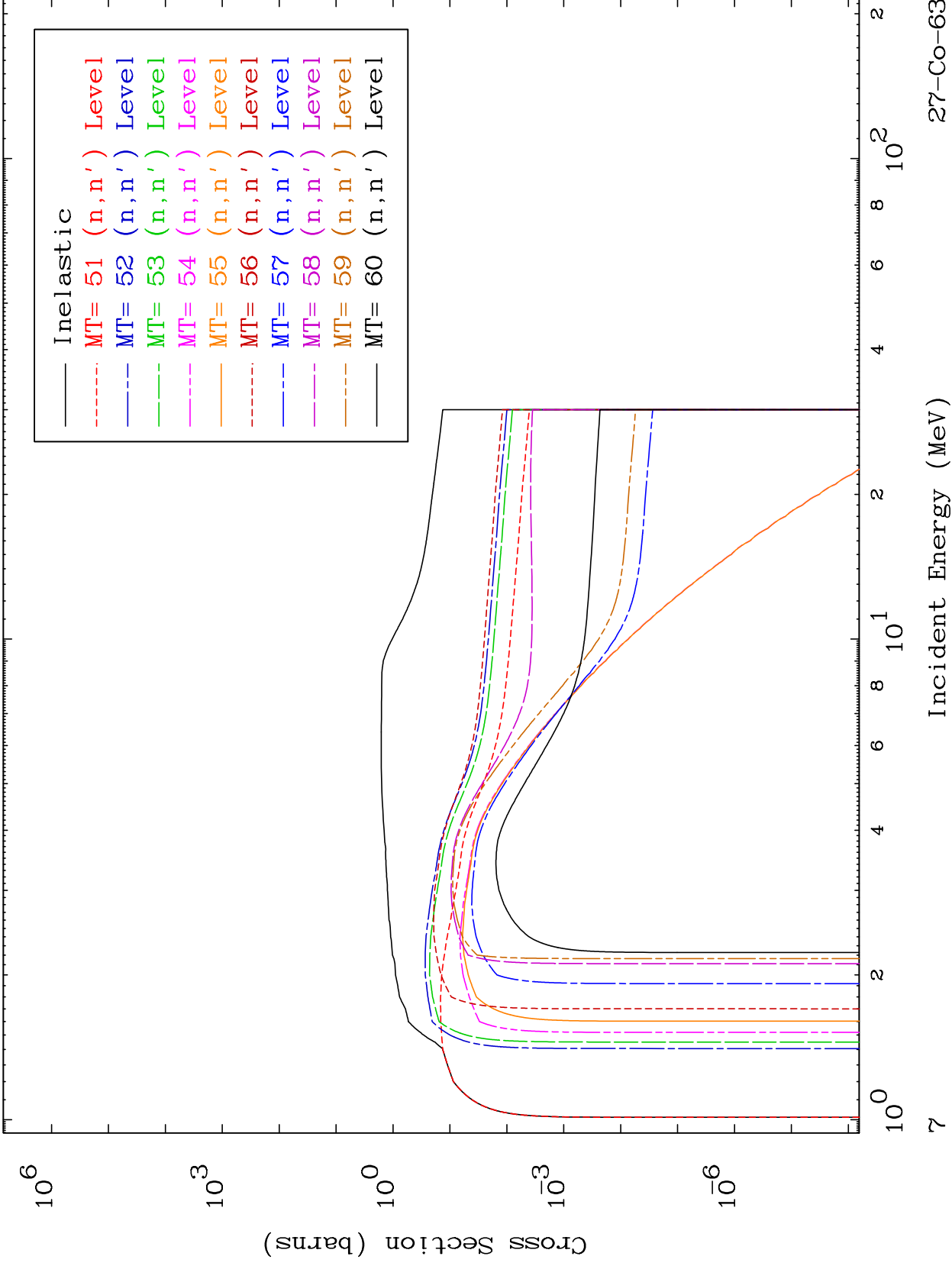


MAT 2737

(n,n') Level

27-Co-63

293 Kelvin Cross Sections



Incident Energy (MeV)

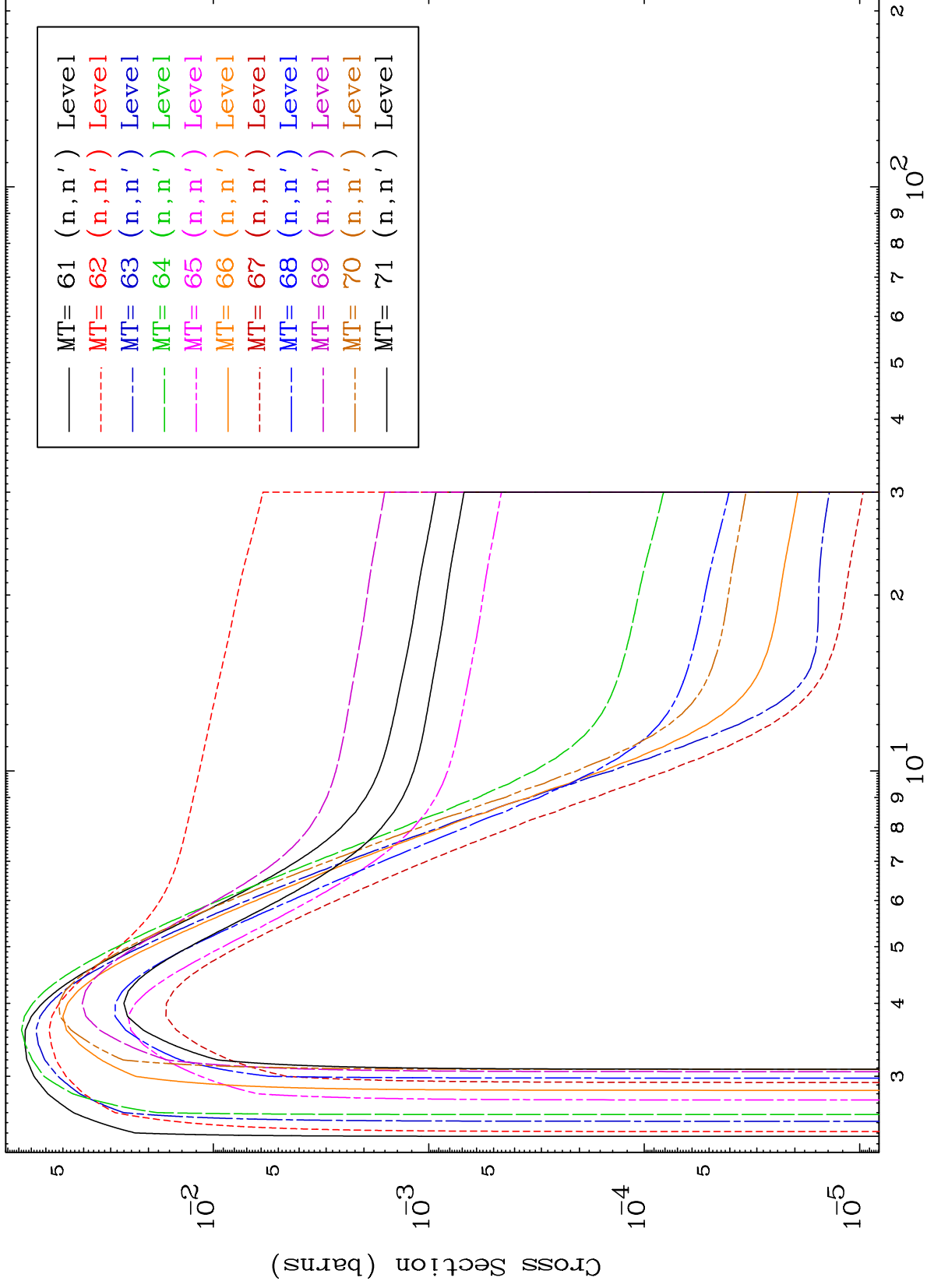
27-Co-63

MAT 2737

(n,n') Level

27-Co-63

293 Kelvin Cross Sections



8

Incident Energy (MeV)

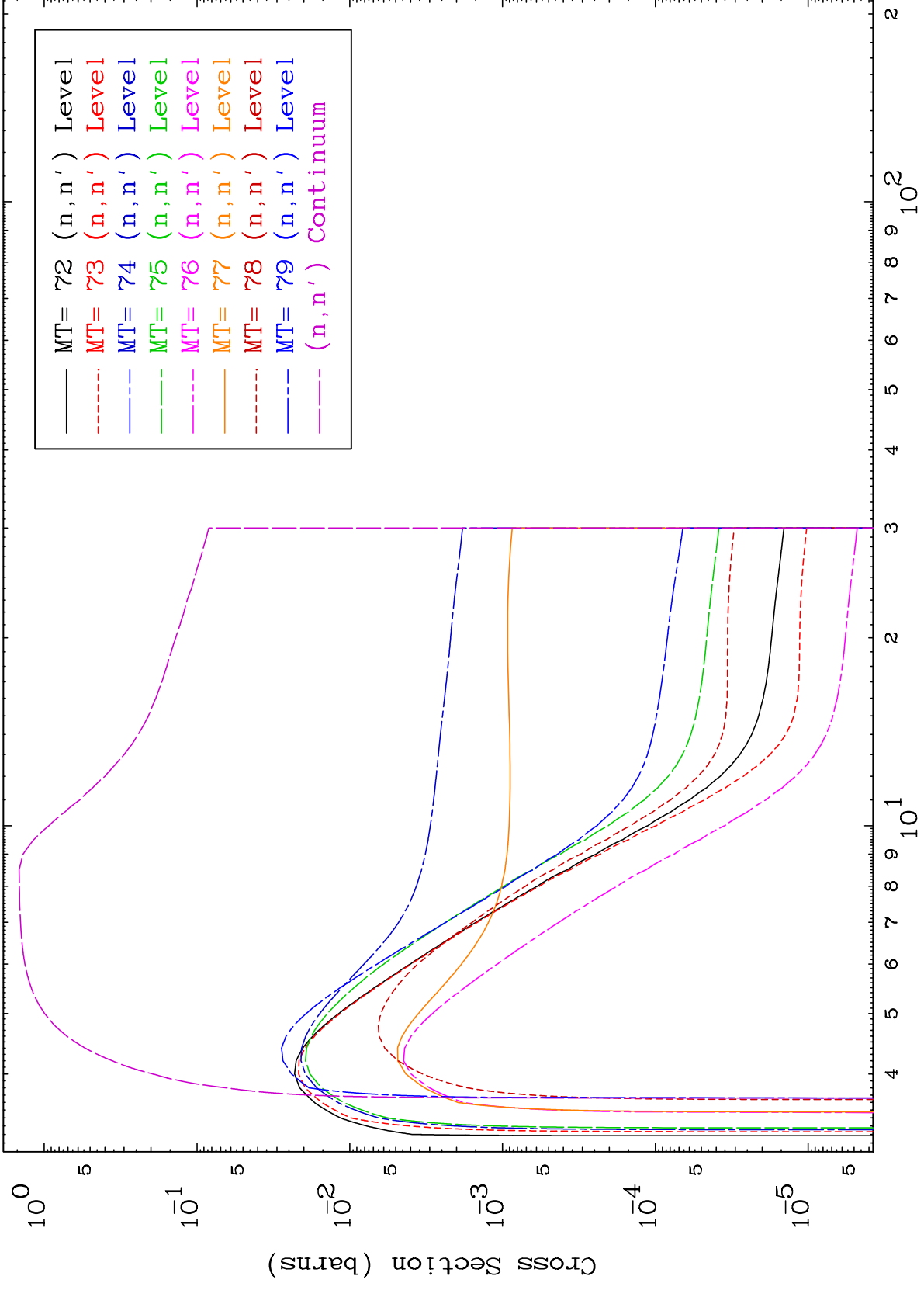
27-Co-63

MAT 2737

(n,n') Level

27-Co-63

293 Kelvin Cross Sections



9

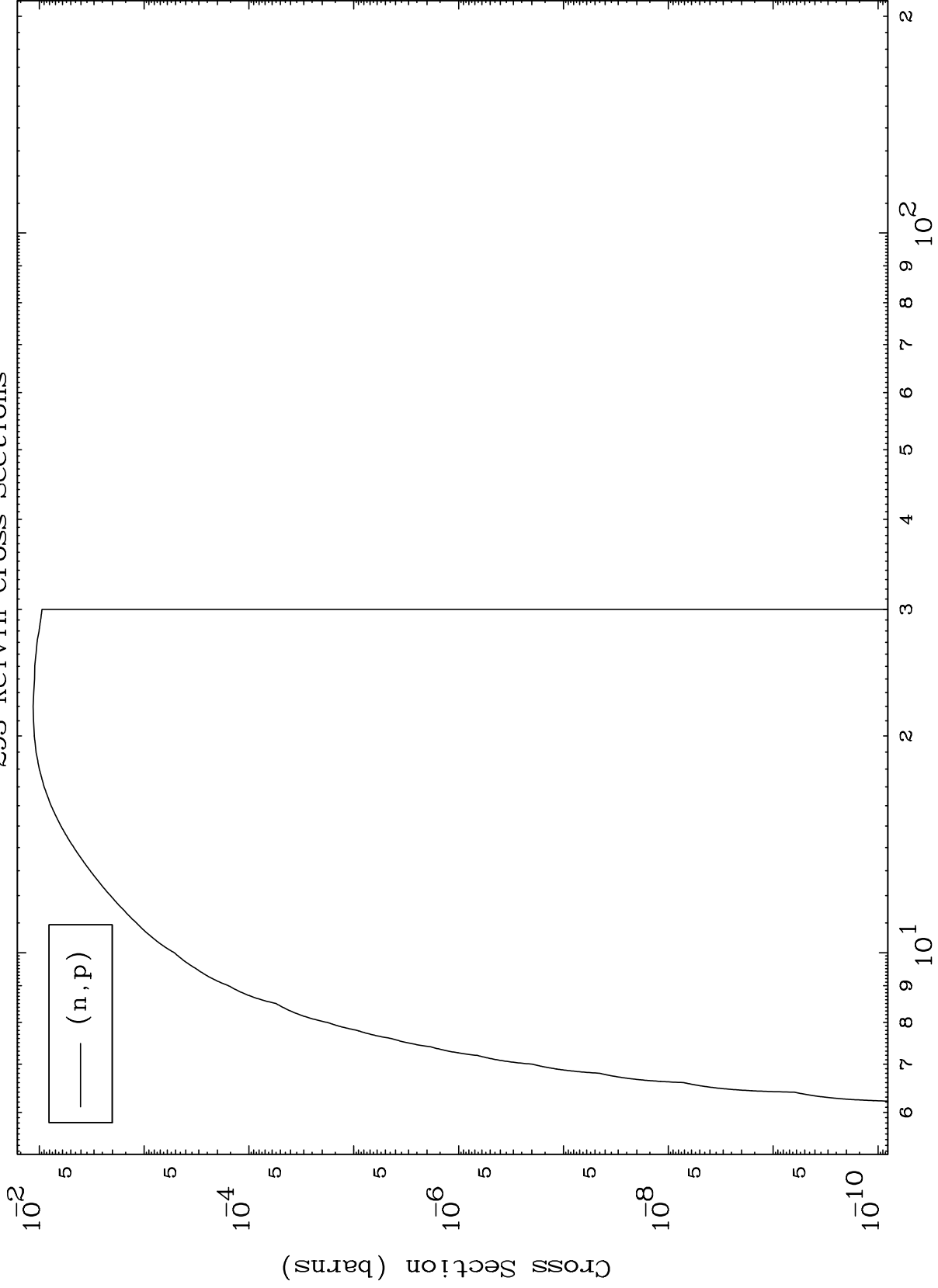
Incident Energy (MeV)

27-Co-63

MAT 2737

(n,p) Levels
293 Kelvin Cross Sections

27-Co-63



10

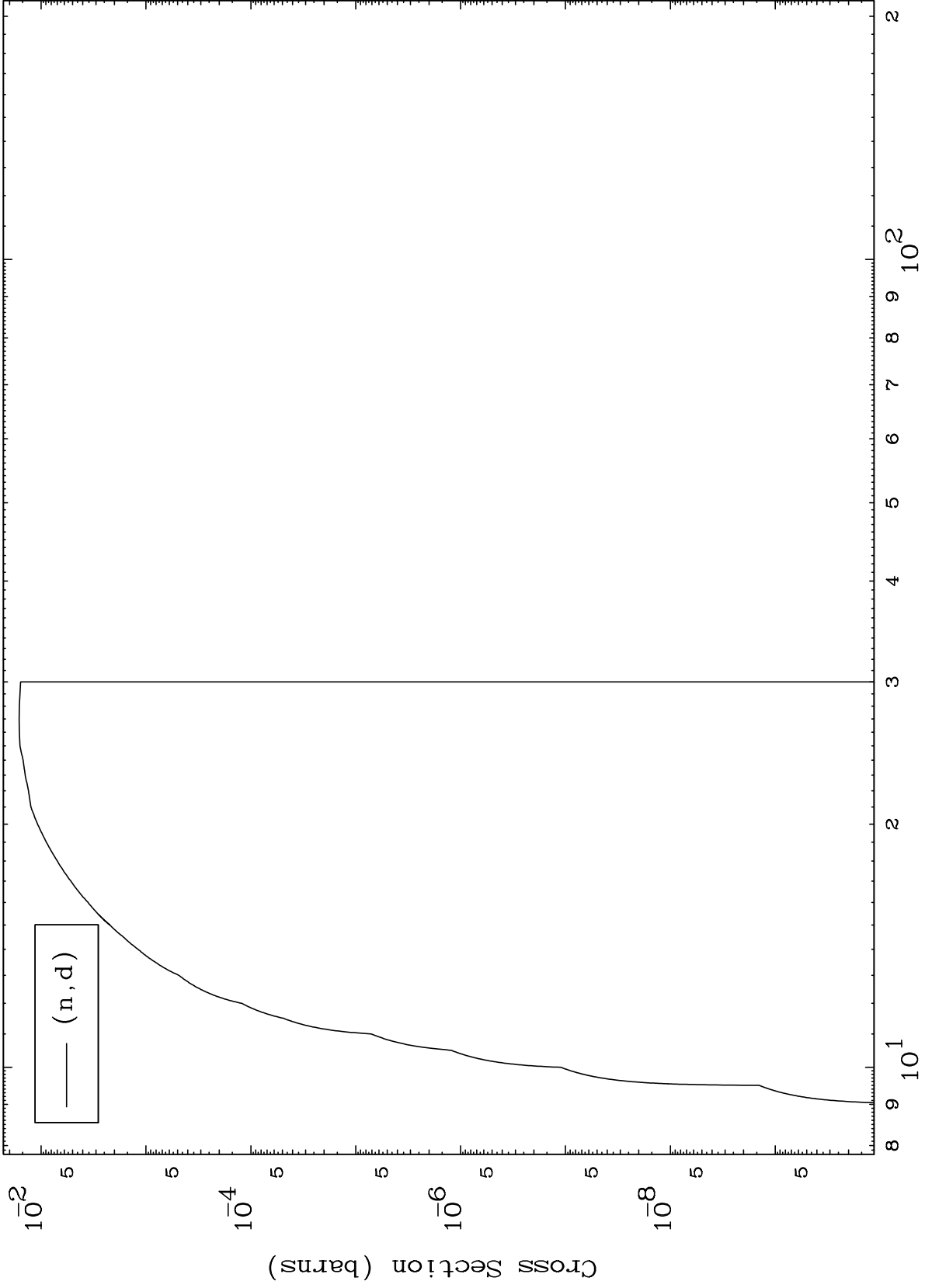
Incident Energy (MeV)

27-Co-63

MAT 2737

(n,d) Levels
293 Kelvin Cross Sections

27-Co-63



11

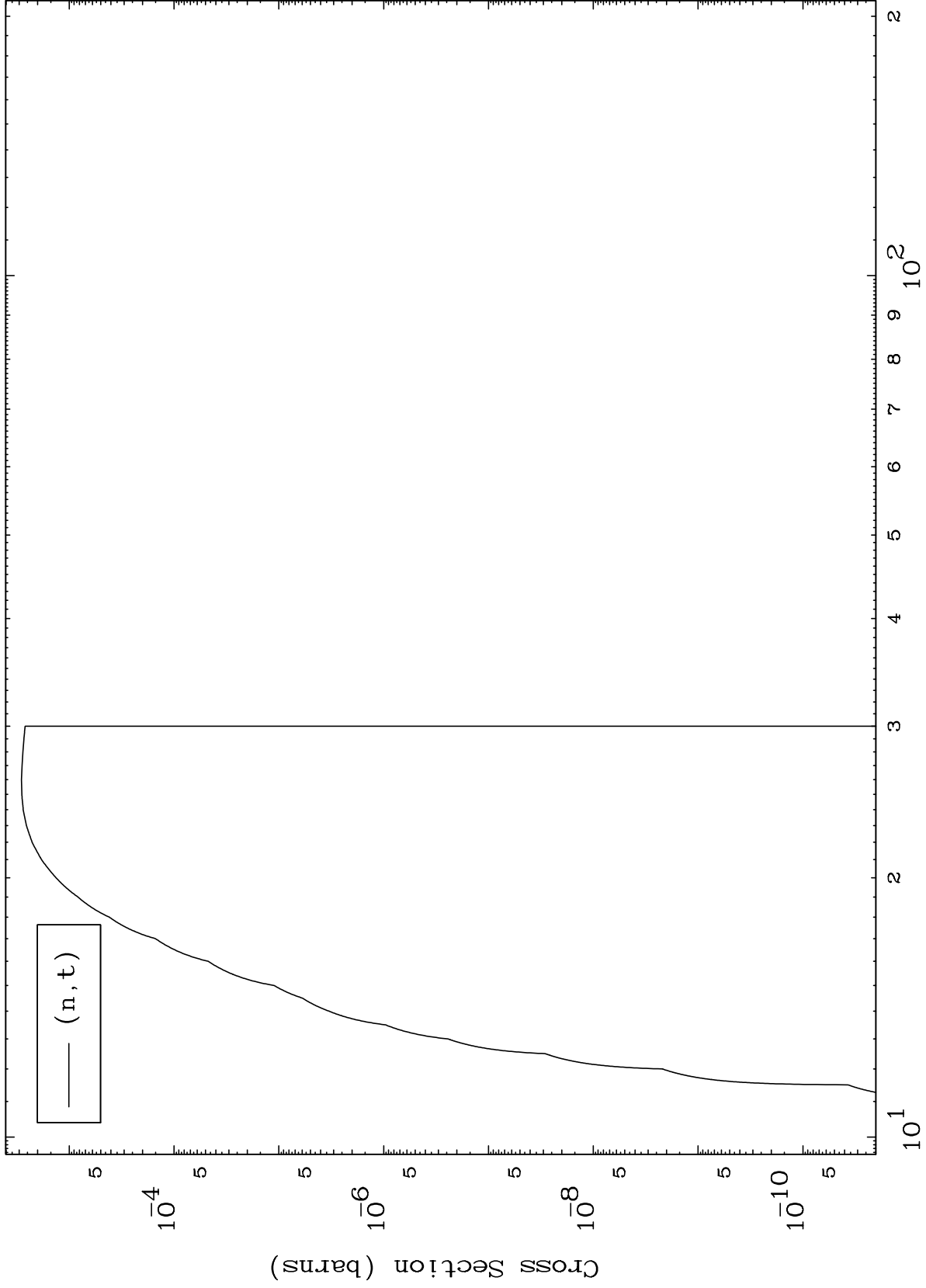
Incident Energy (MeV)

27-Co-63

MAT 2737

(n,t) Levels
293 Kelvin Cross Sections

27-Co-63



Incident Energy (MeV)

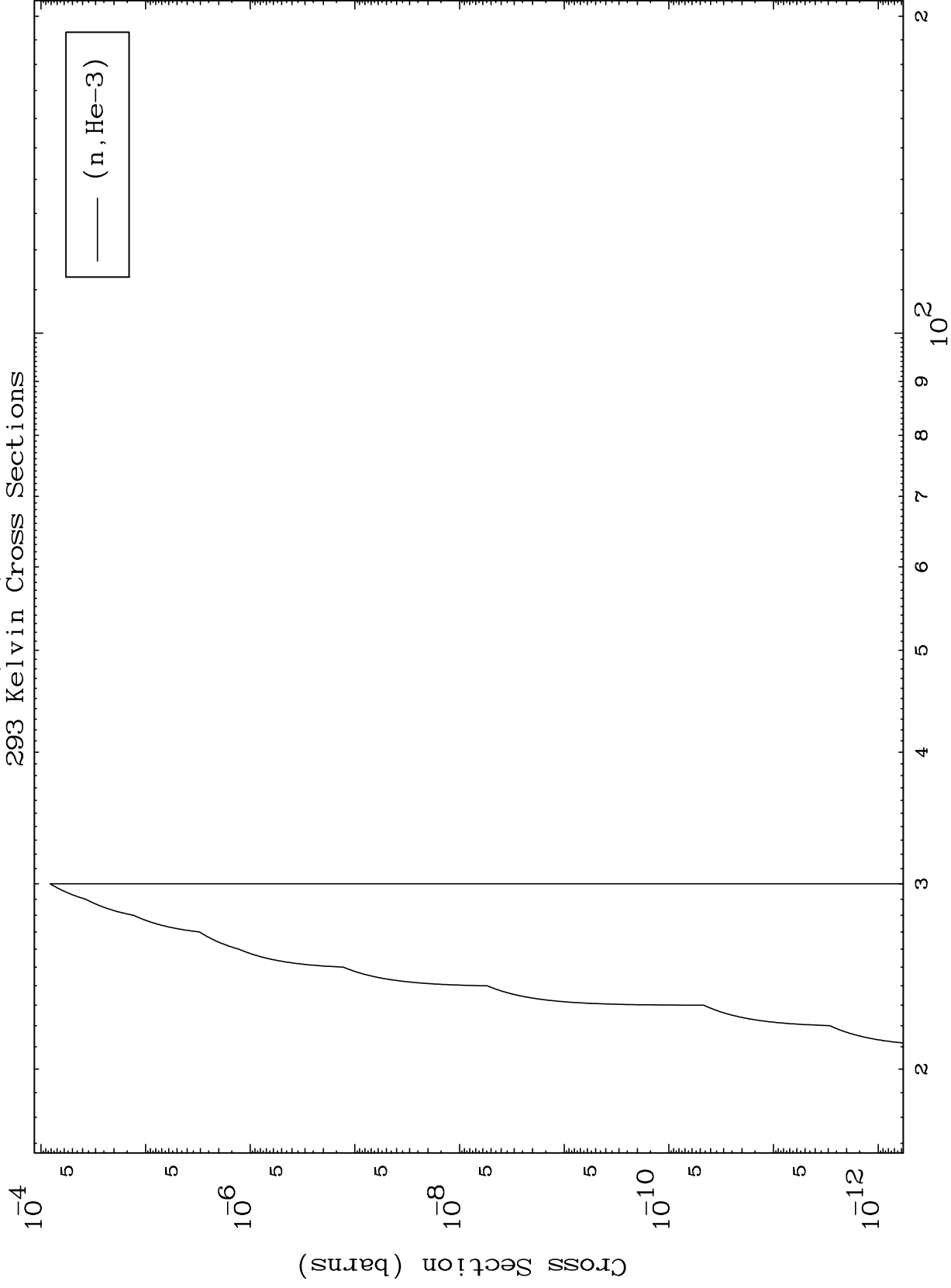
27-Co-63

12

MAT 2737

(n,He3) Levels
293 Kelvin Cross Sections

27-Co-63



13

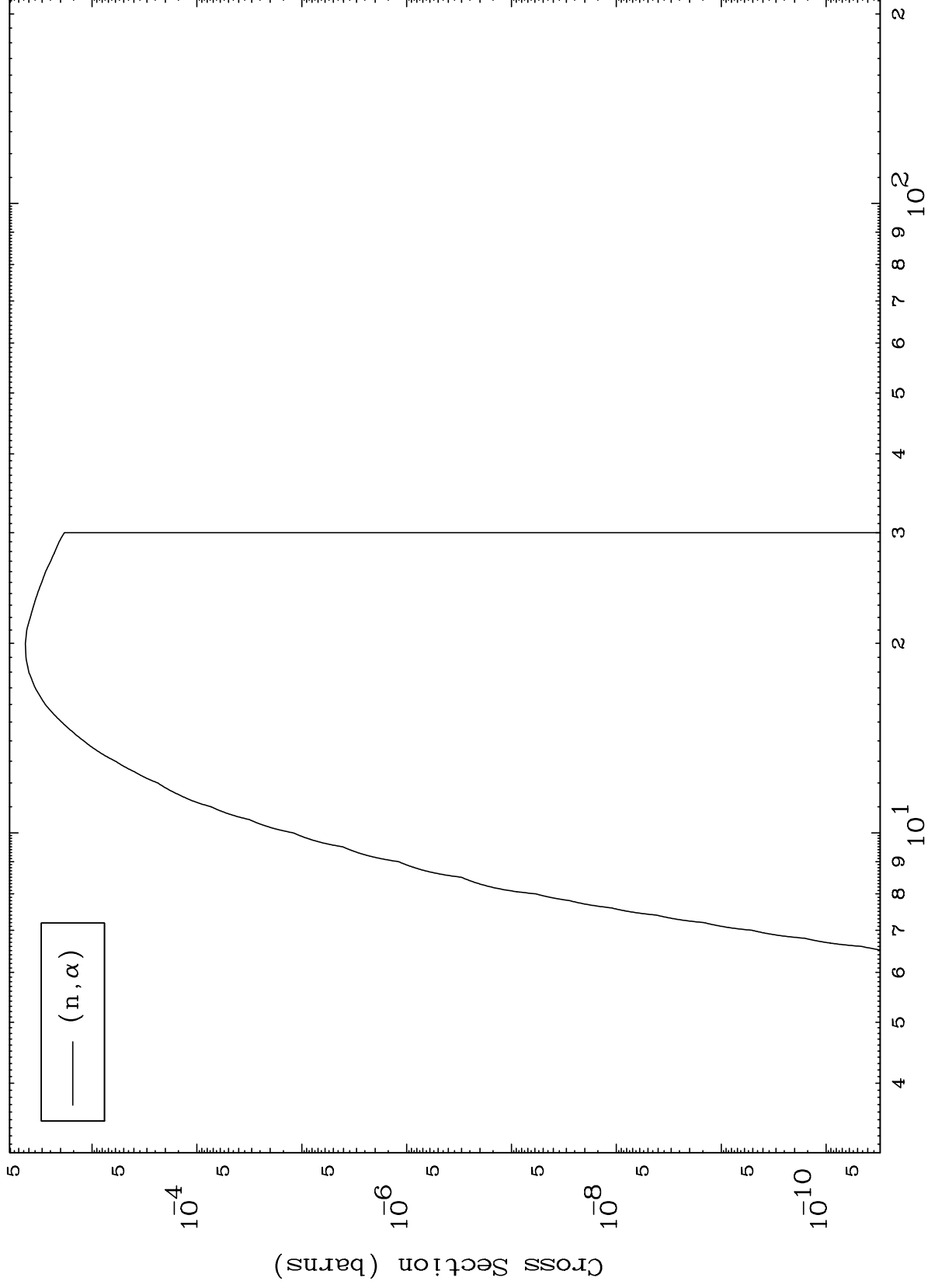
Incident Energy (MeV)

27-Co-63

MAT 2737

(n, α) Levels
293 Kelvin Cross Sections

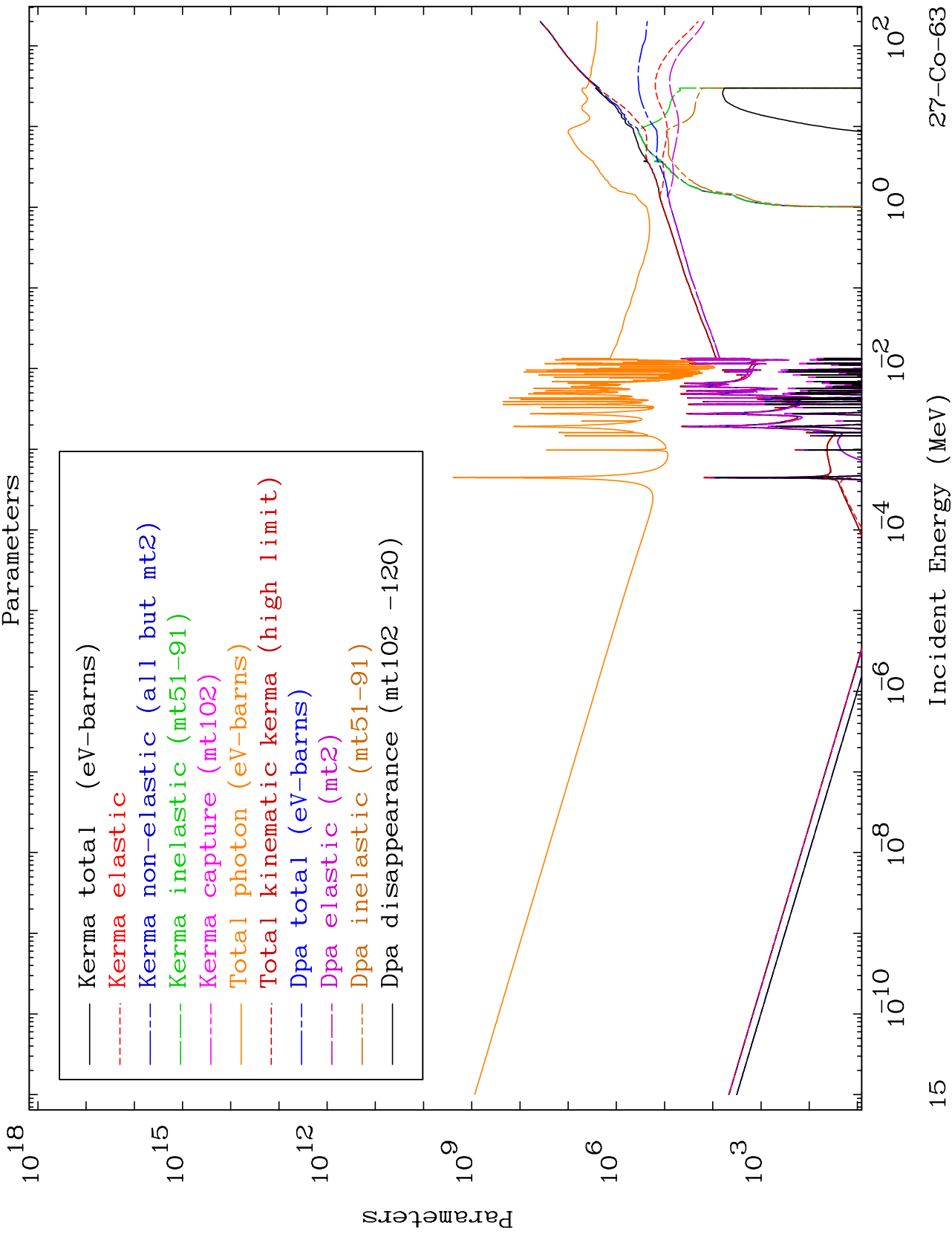
27-Co-63



14

Incident Energy (MeV)

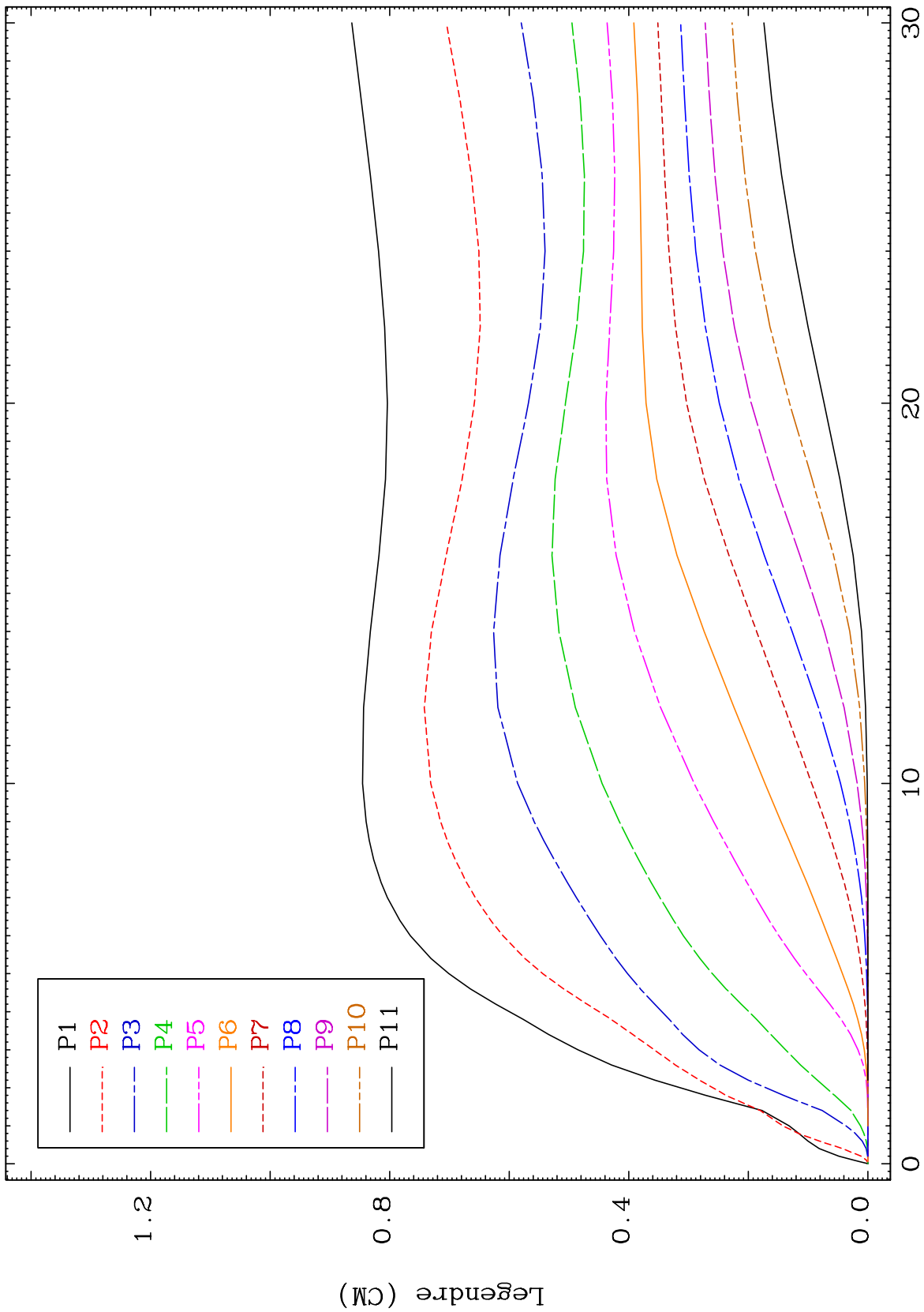
27-Co-63



MAT 2737

Elastic Legendre Coefficients

27-Co-63



27-Co-63

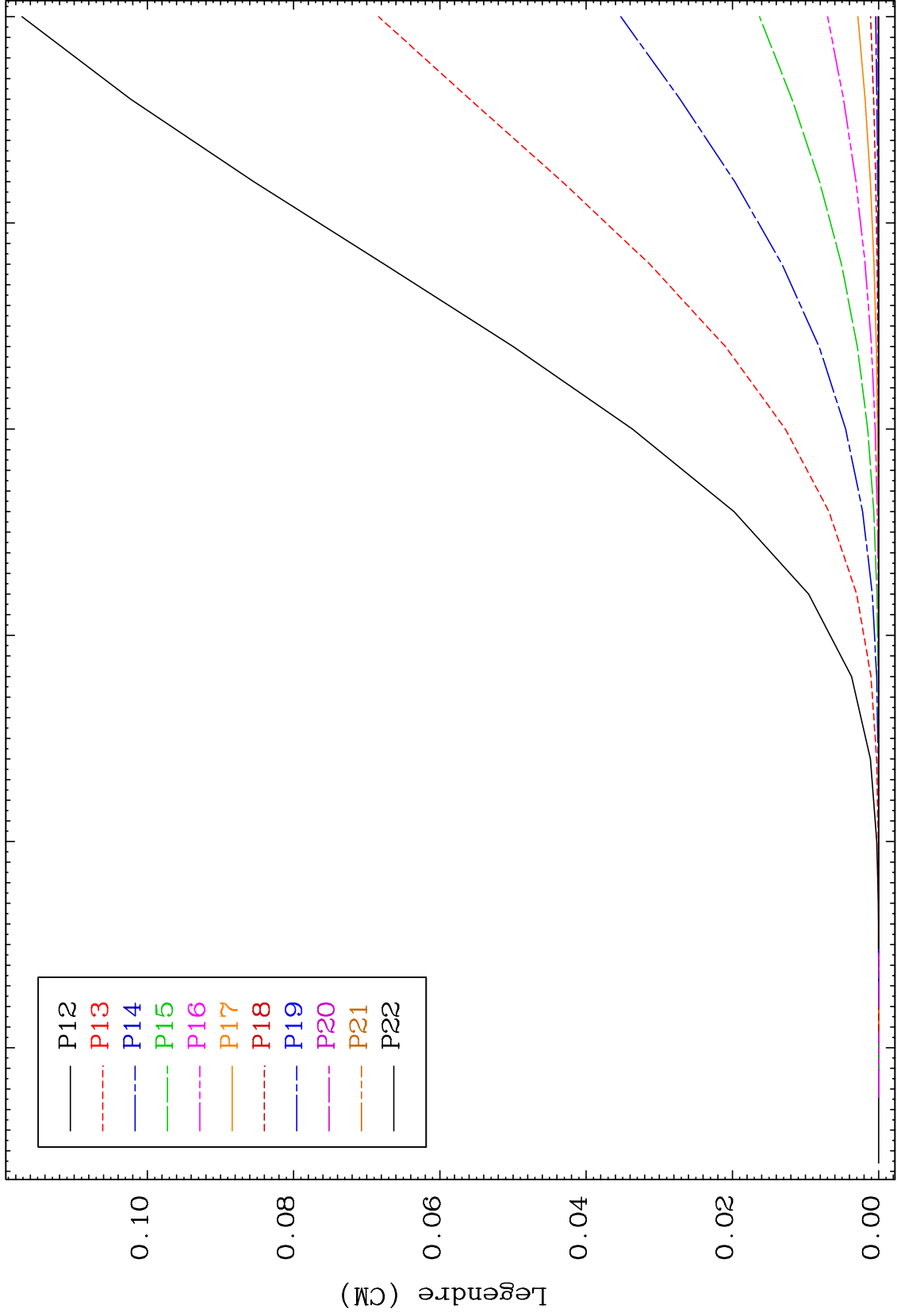
Incident Energy (MeV)

16

MAT 2737

Elastic
Legendre Coefficients

27-Co-63



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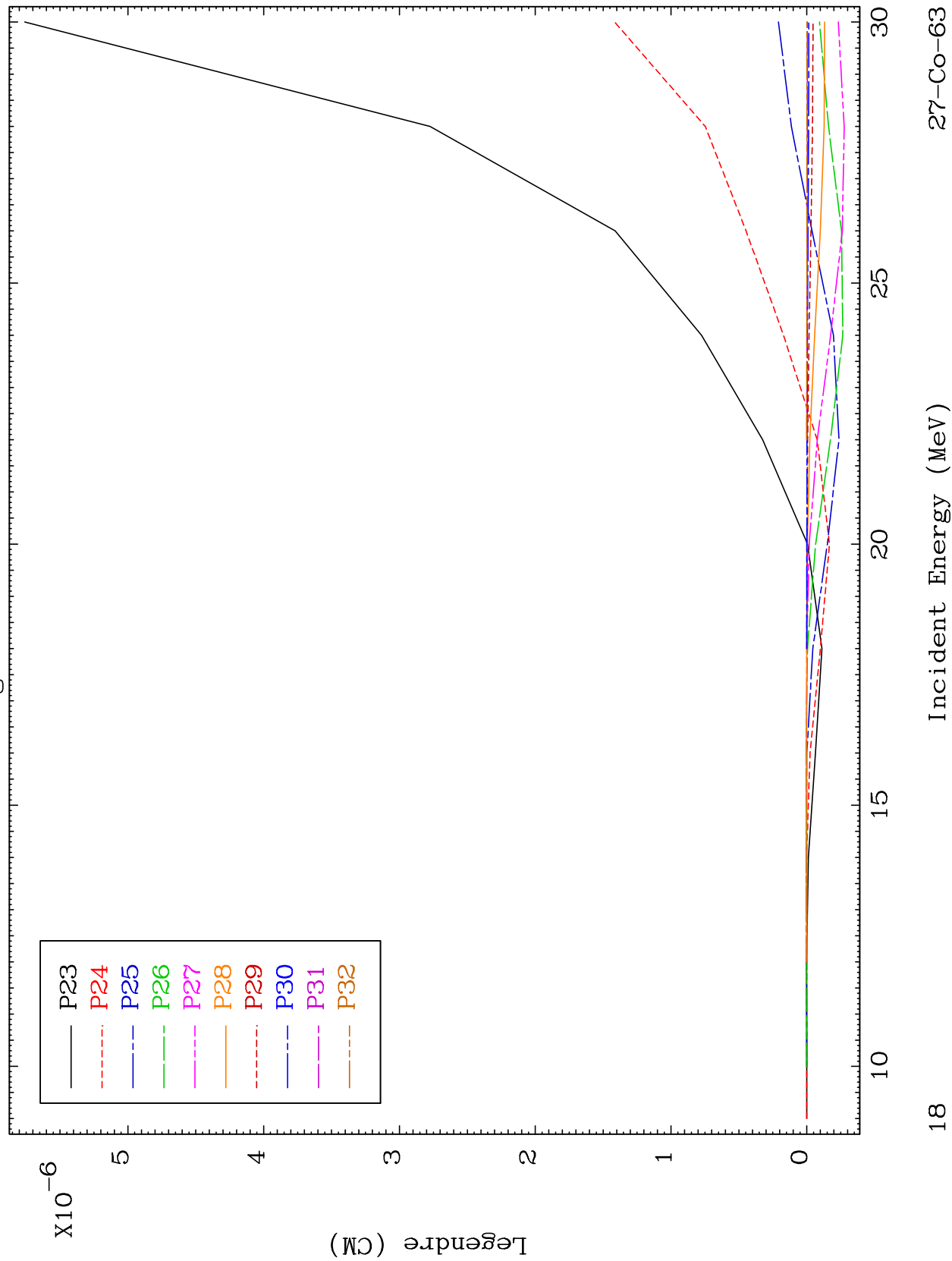
Incident Energy (MeV)

27-Co-63

MAT 2737

Elastic Legendre Coefficients

27-Co-63



18

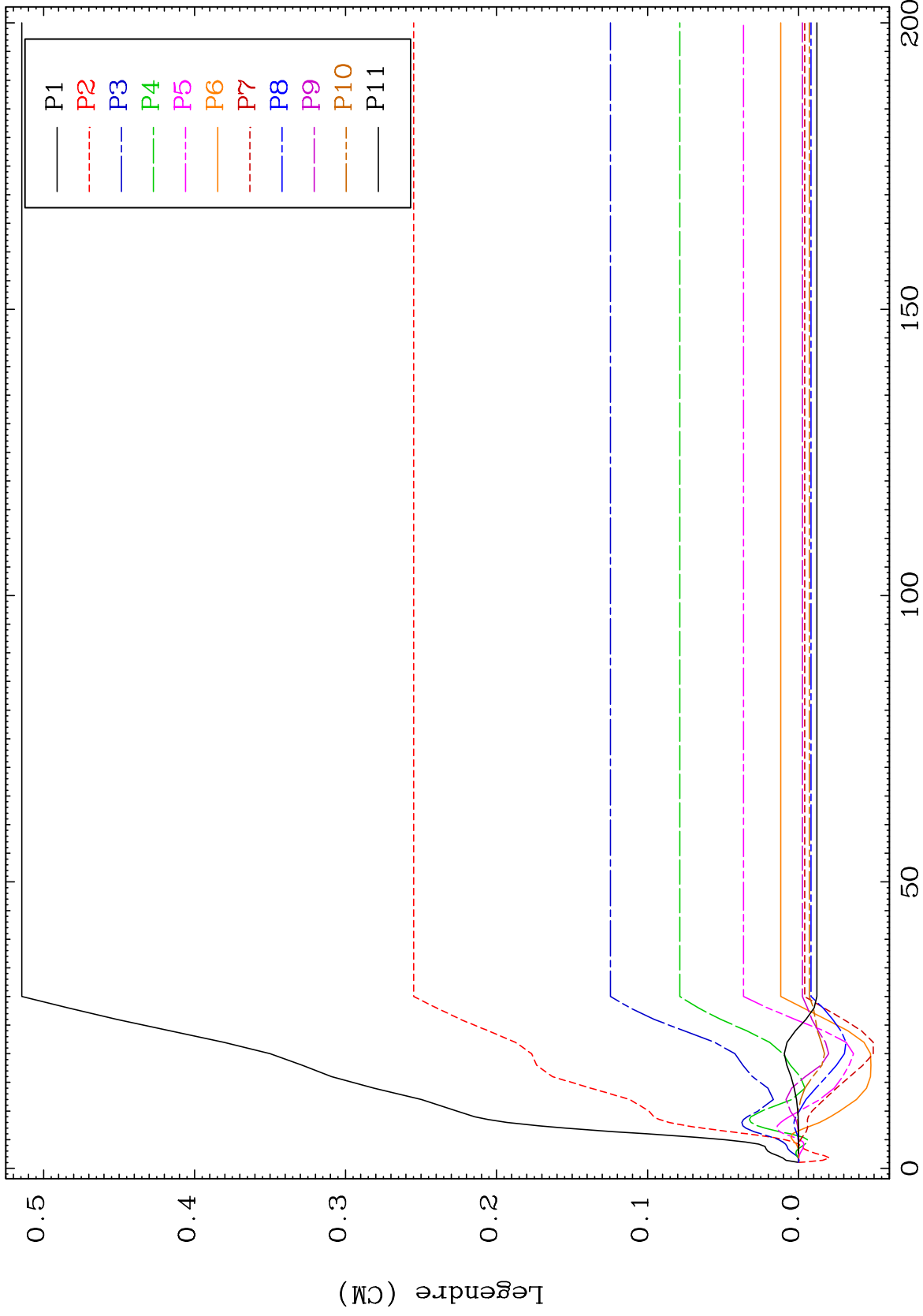
Incident Energy (MeV)

27-Co-63

MAT 2737

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

27-Co-63



19

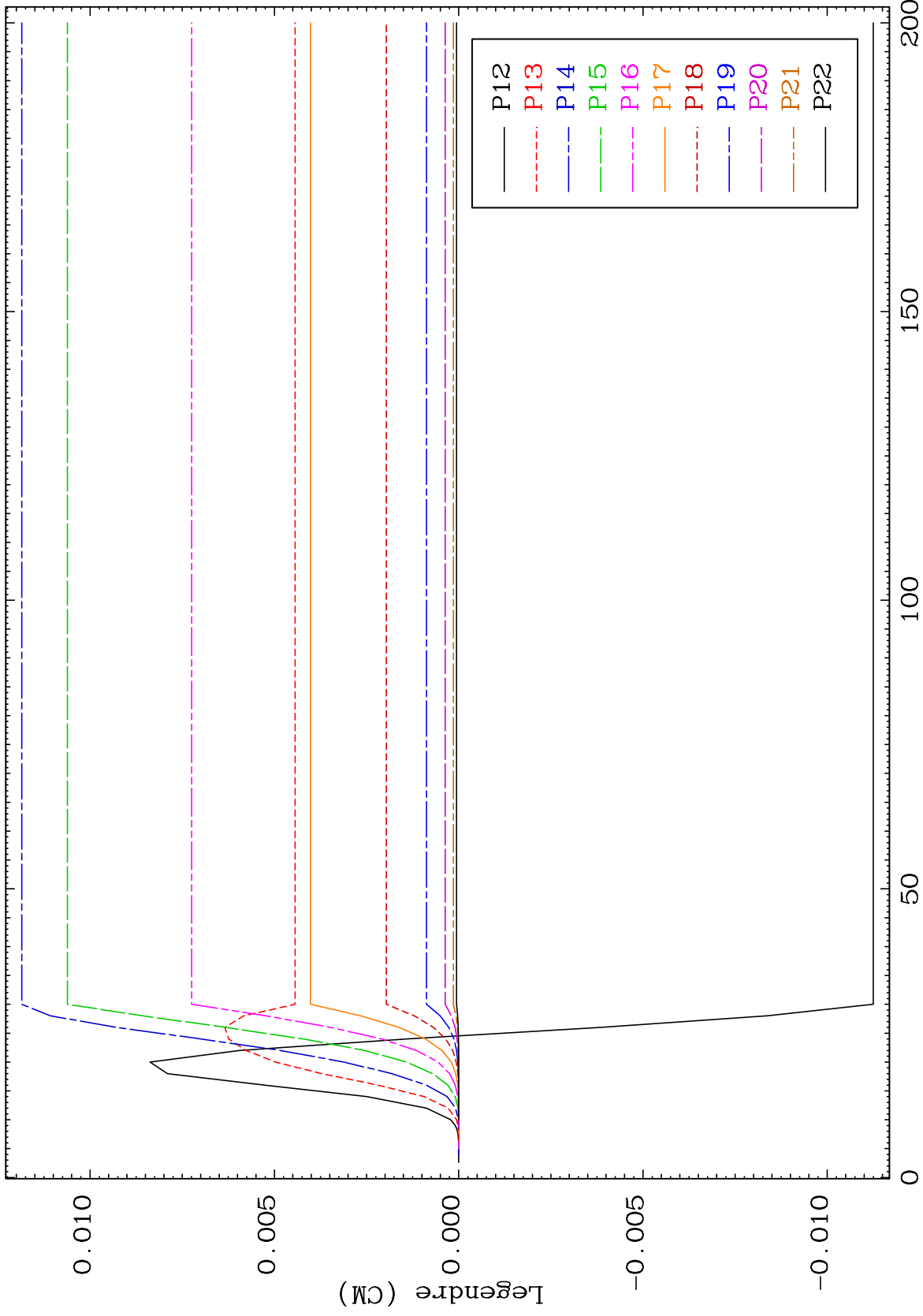
Incident Energy (MeV)

27-Co-63

MAT 2737

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

27-Co-63



20

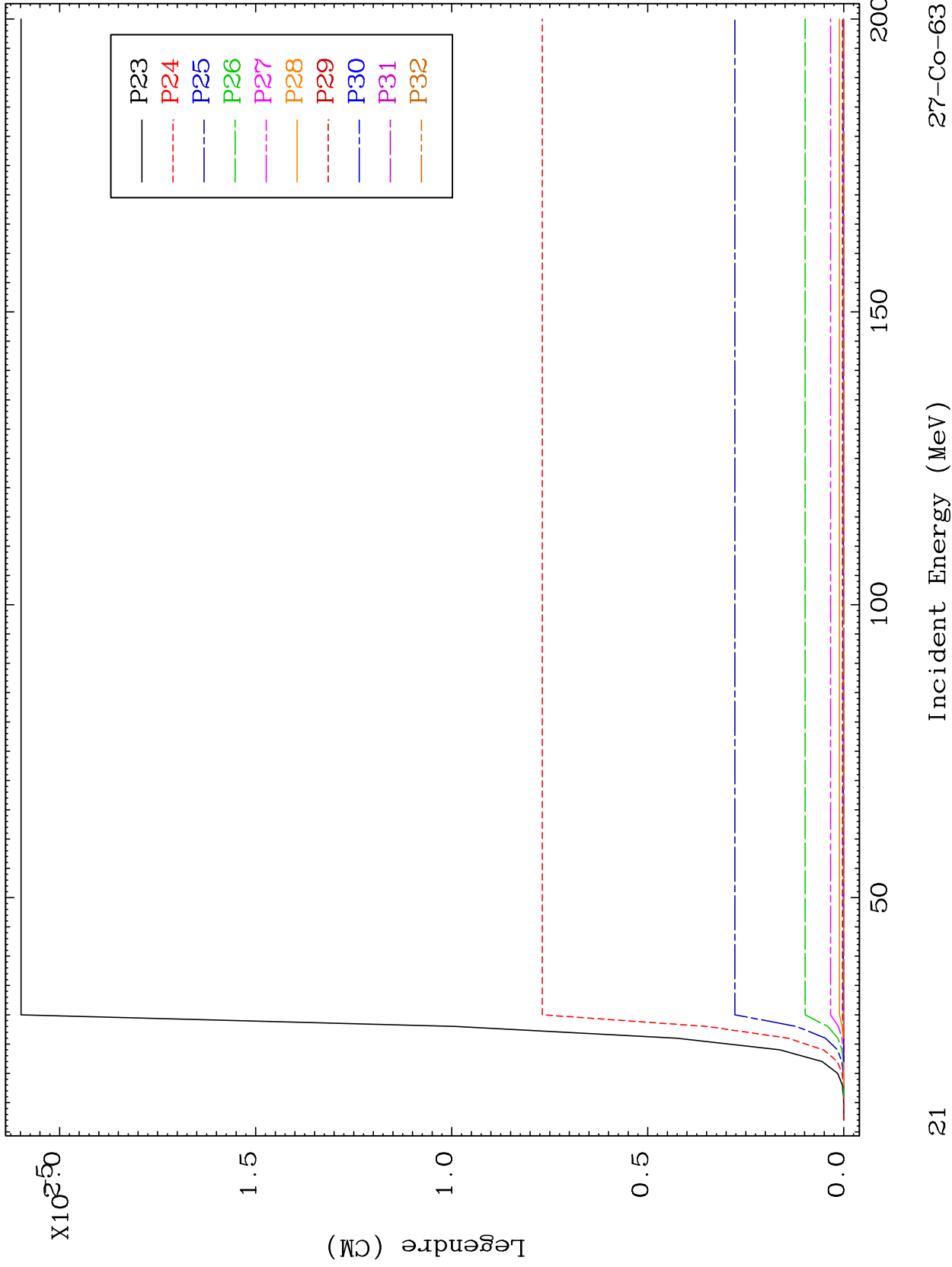
Incident Energy (MeV)

27-Co-63

MAT 2737

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

27-Co-63



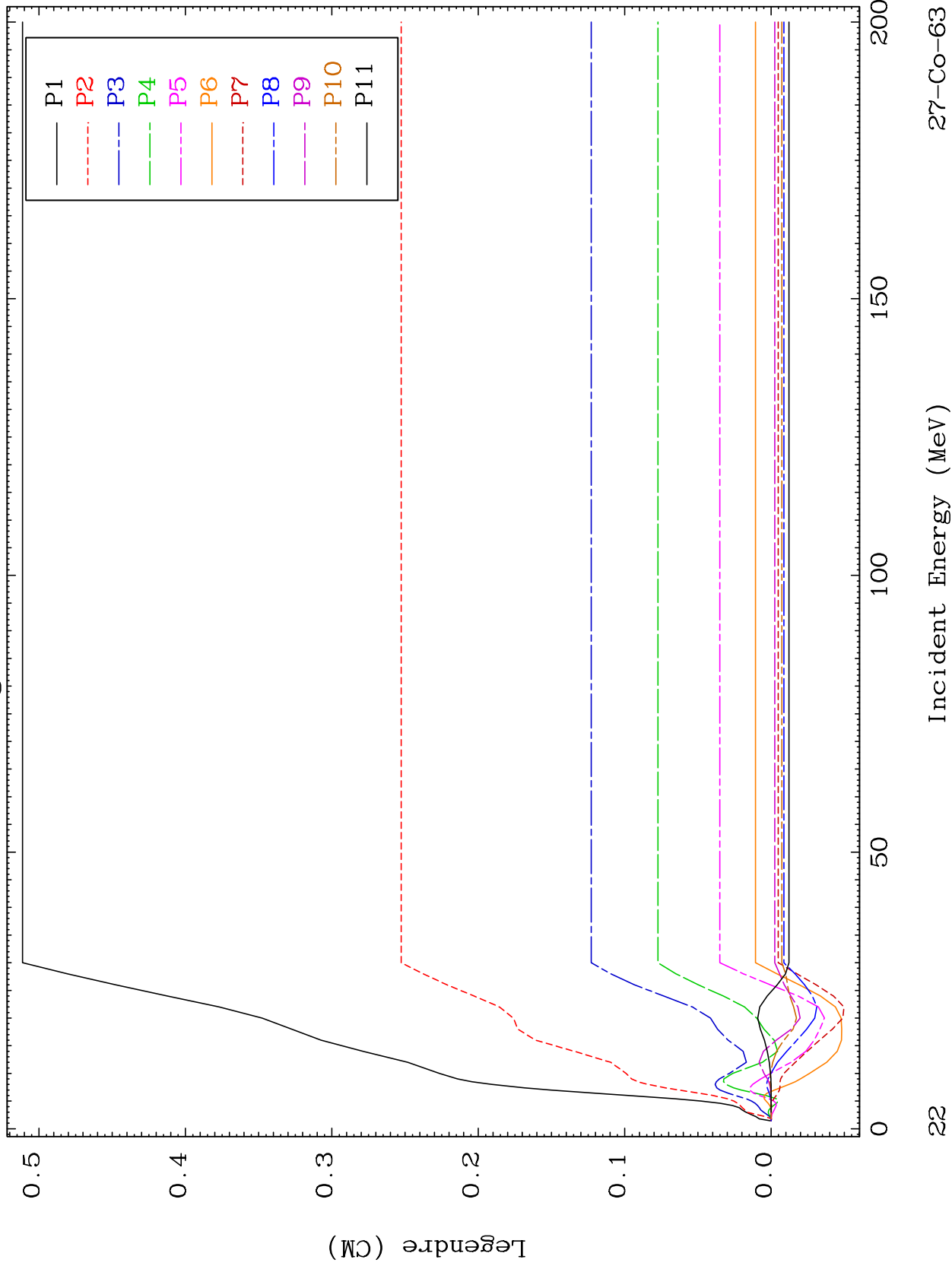
21

27-Co-63

MAT 2737

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

27-Co-63



22

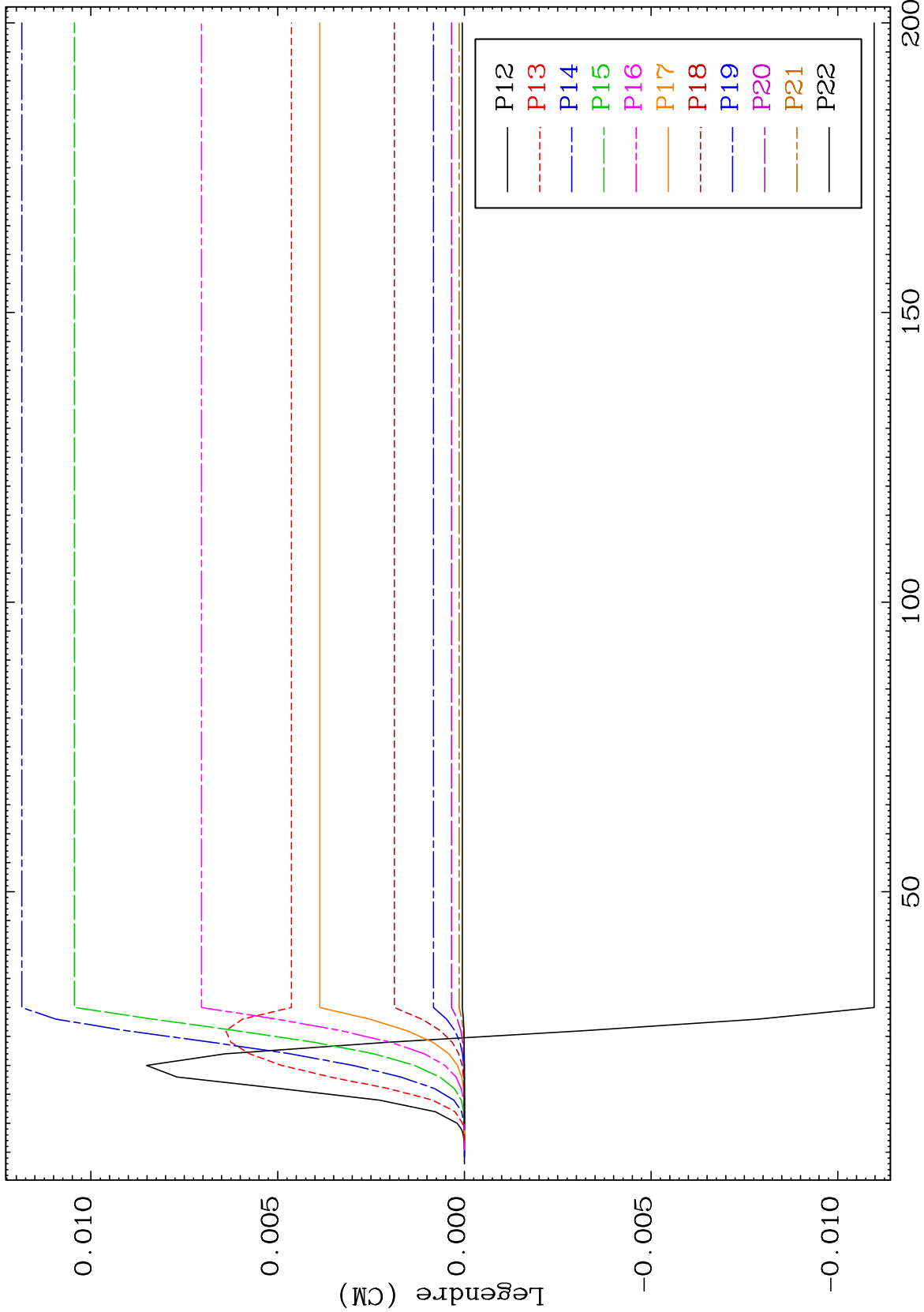
Incident Energy (MeV)

27-Co-63

MAT 2737

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

27-Co-63



23

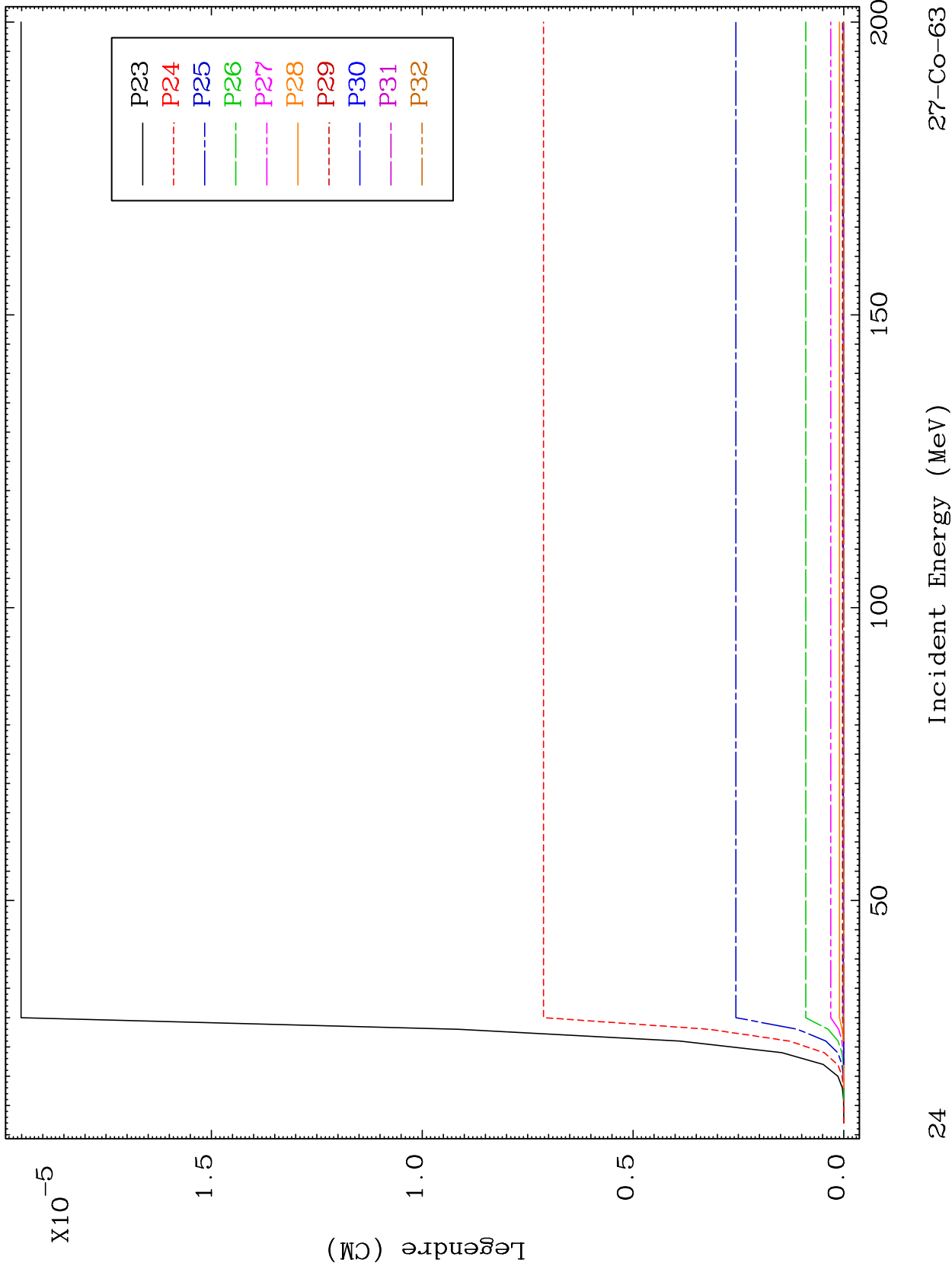
Incident Energy (MeV)

27-Co-63

MAT 2737

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

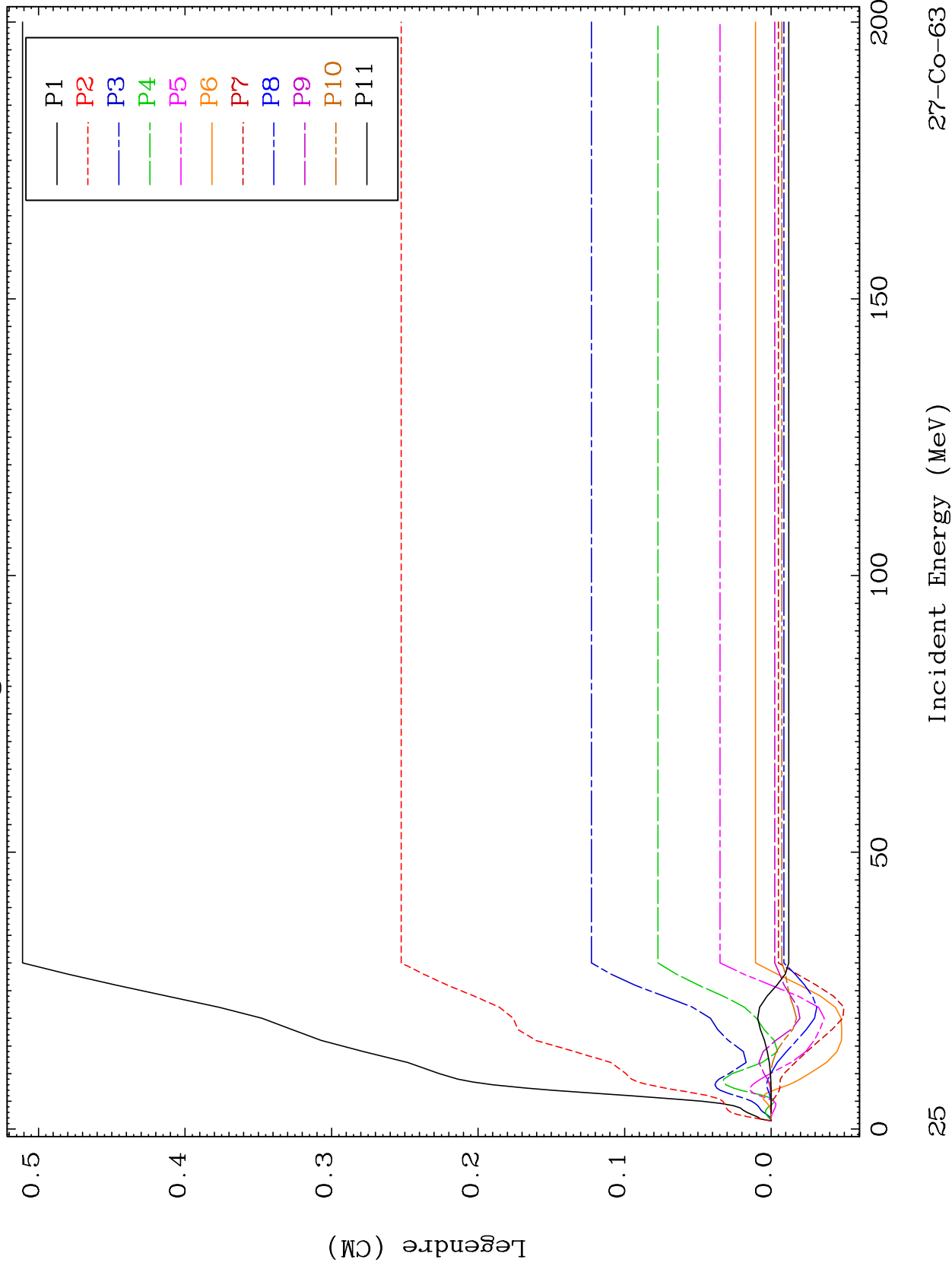
27-Co-63



MAT 2737

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

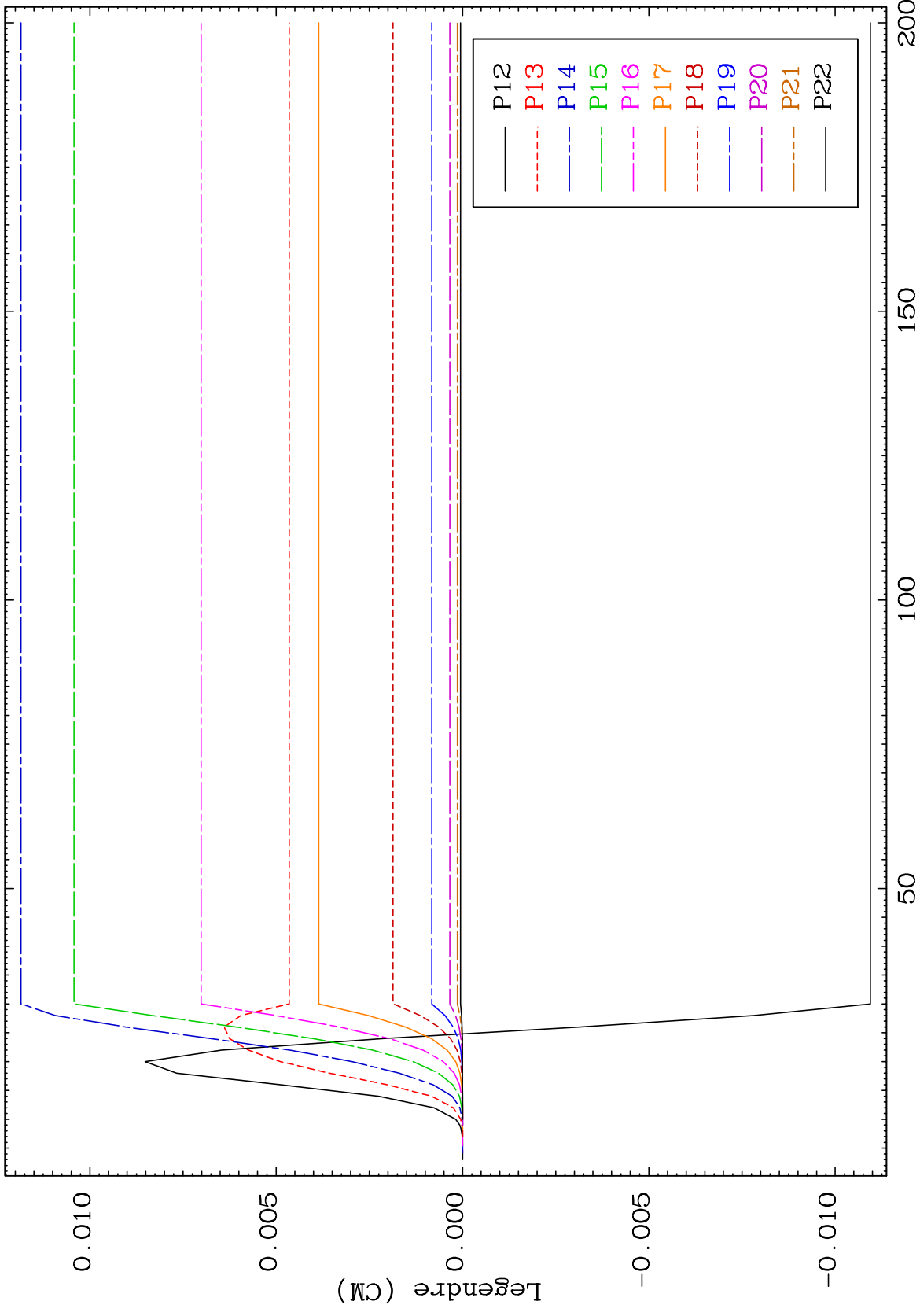
27-Co-63



MAT 2737

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

27-Co-63



26

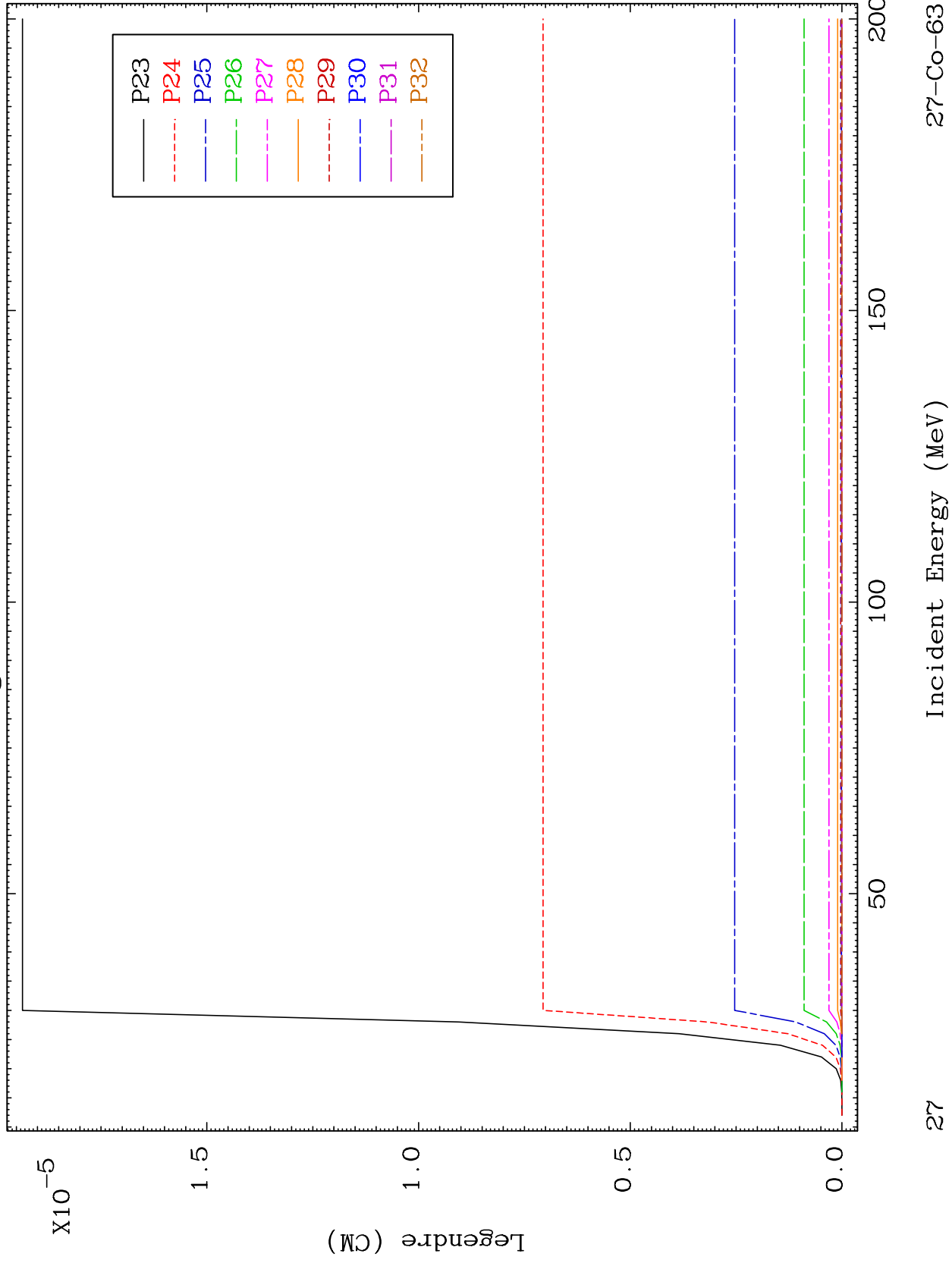
Incident Energy (MeV)

27-Co-63

MAT 2737

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

27-Co-63



27

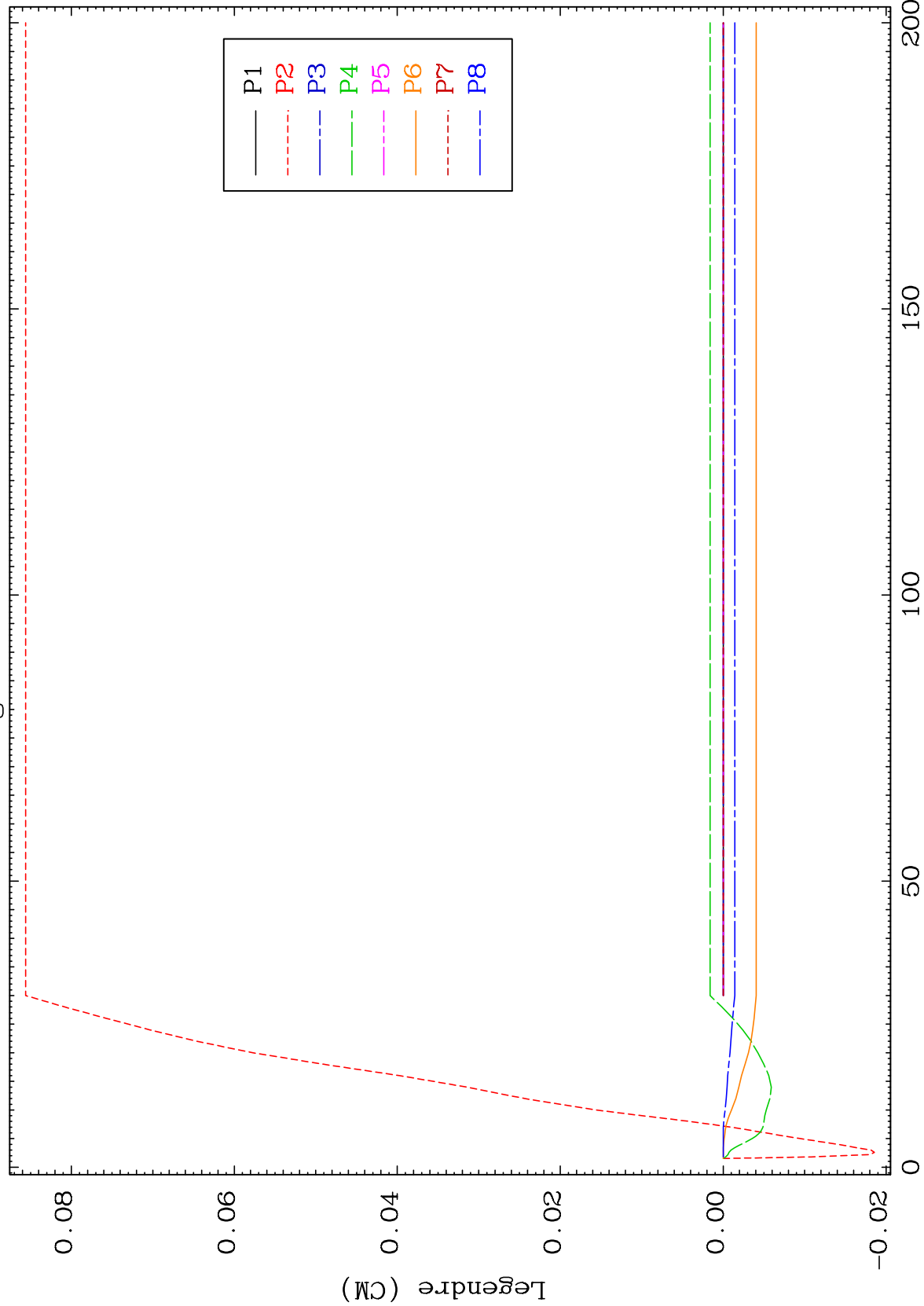
Incident Energy (MeV)

27-Co-63

MAT 2737

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

27-Co-63



28

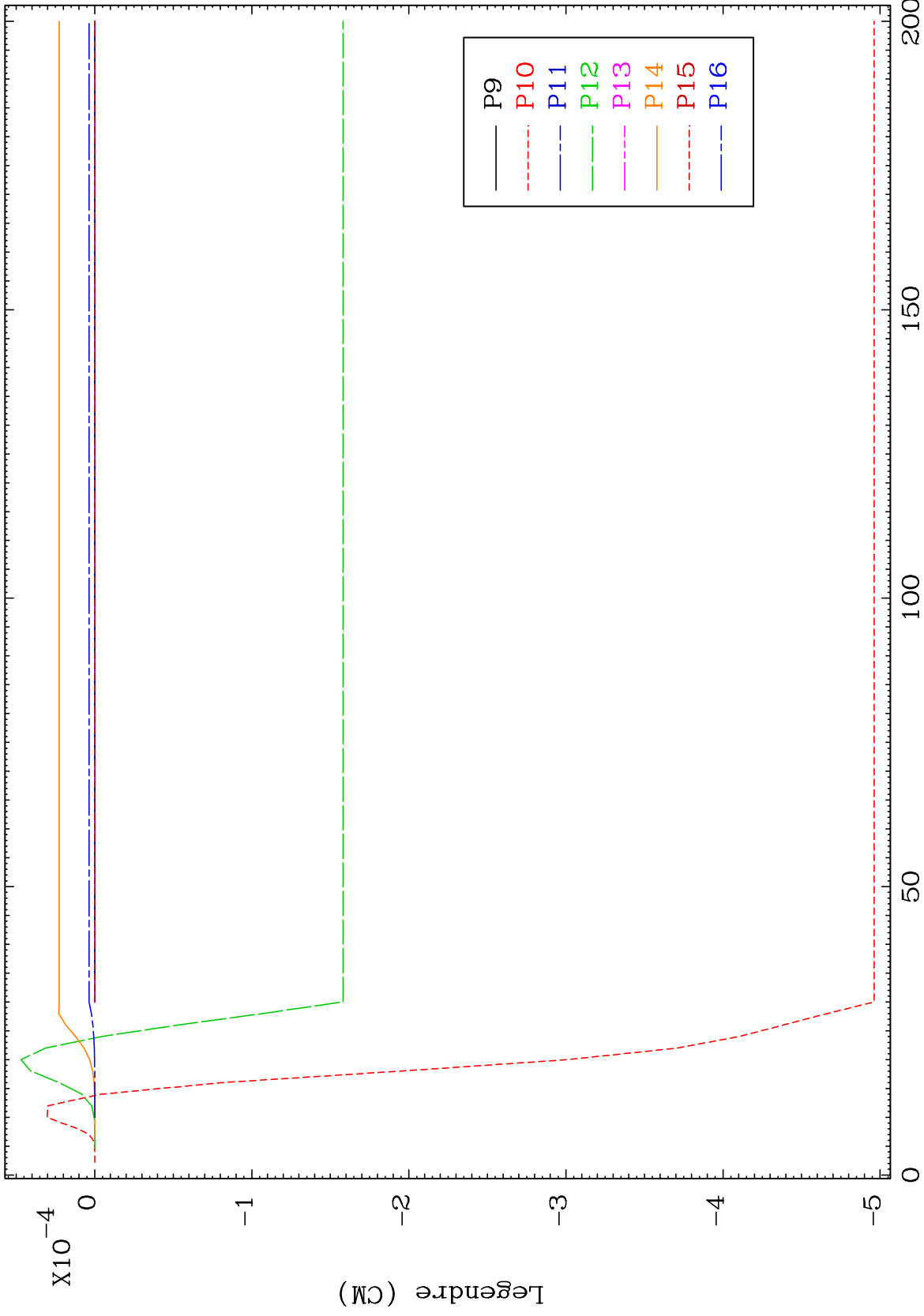
Incident Energy (MeV)

27-Co-63

MAT 2737

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

27-Co-63



29

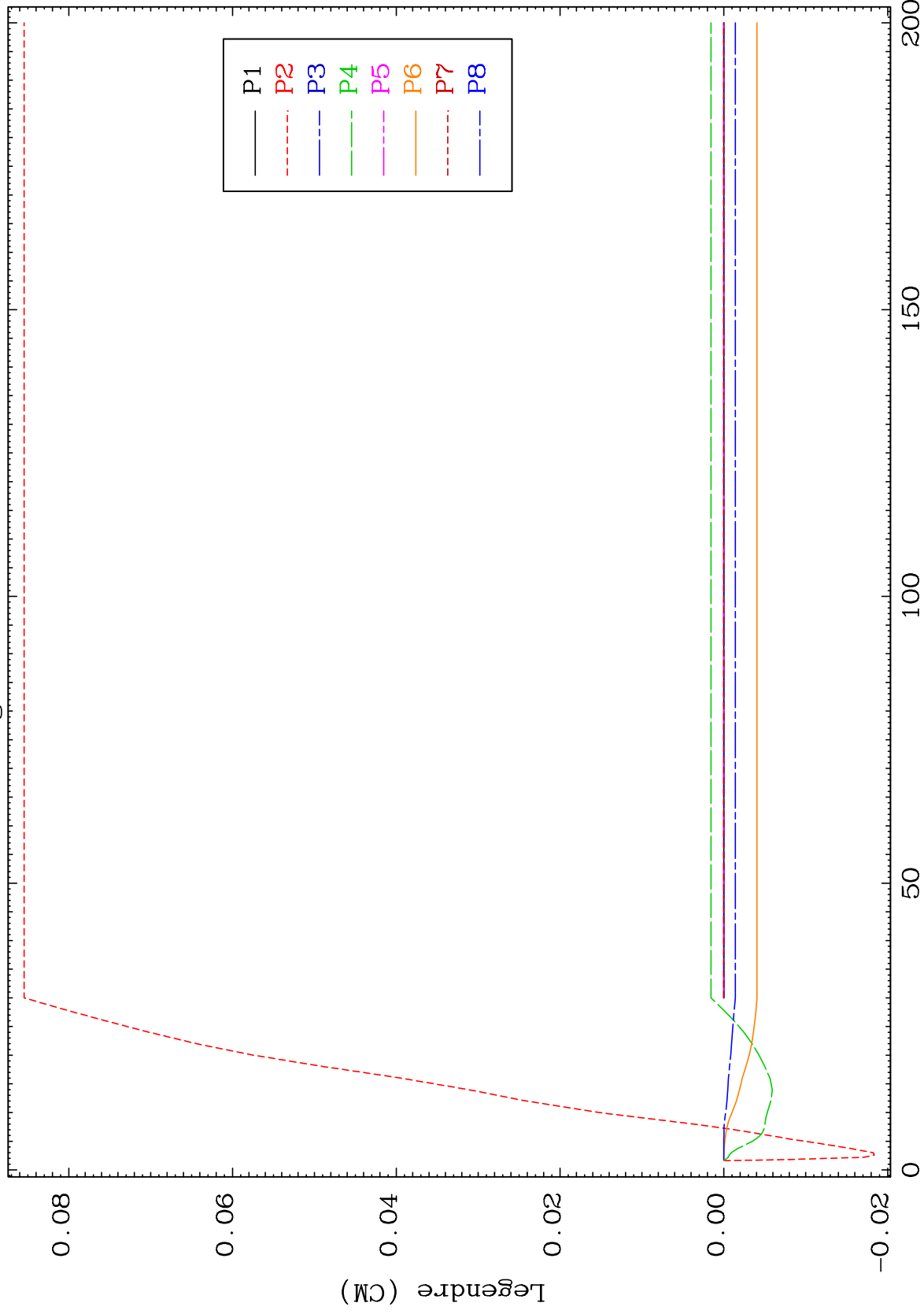
Incident Energy (MeV)

27-Co-63

MAT 2737

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

27-Co-63



31

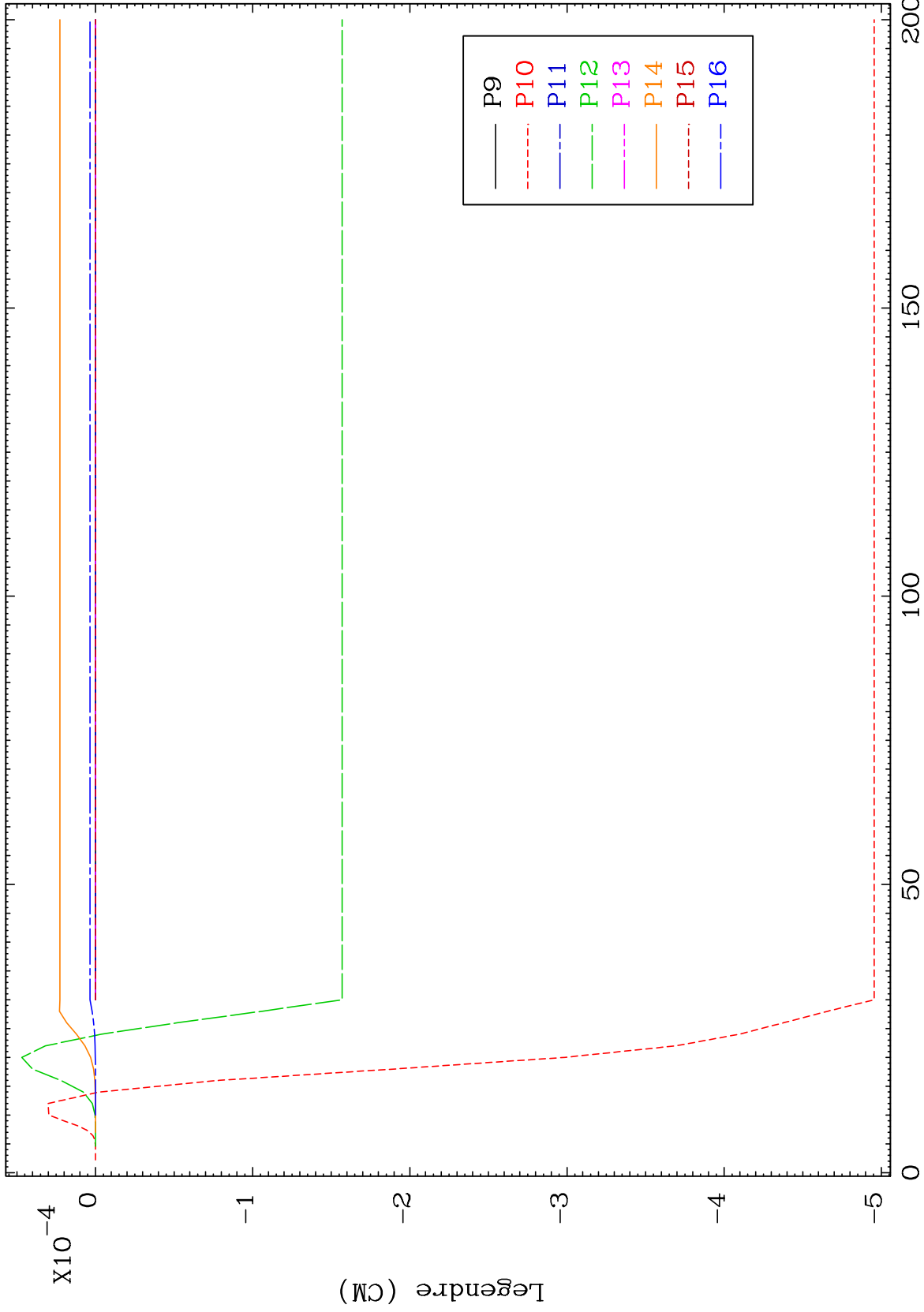
Incident Energy (MeV)

27-Co-63

MAT 2737

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

27-Co-63



32

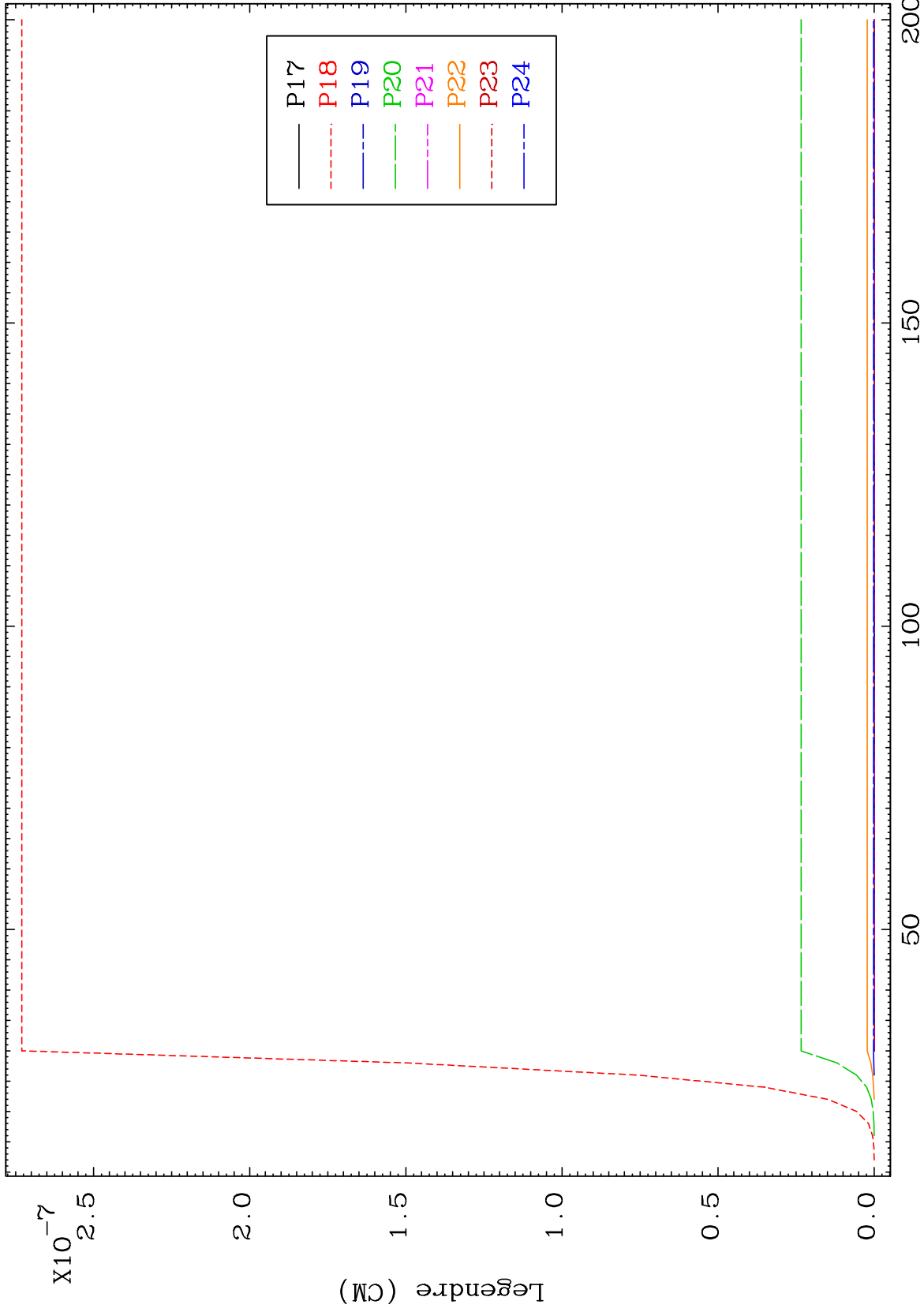
Incident Energy (MeV)

27-Co-63

MAT 2737

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

27-Co-63



33

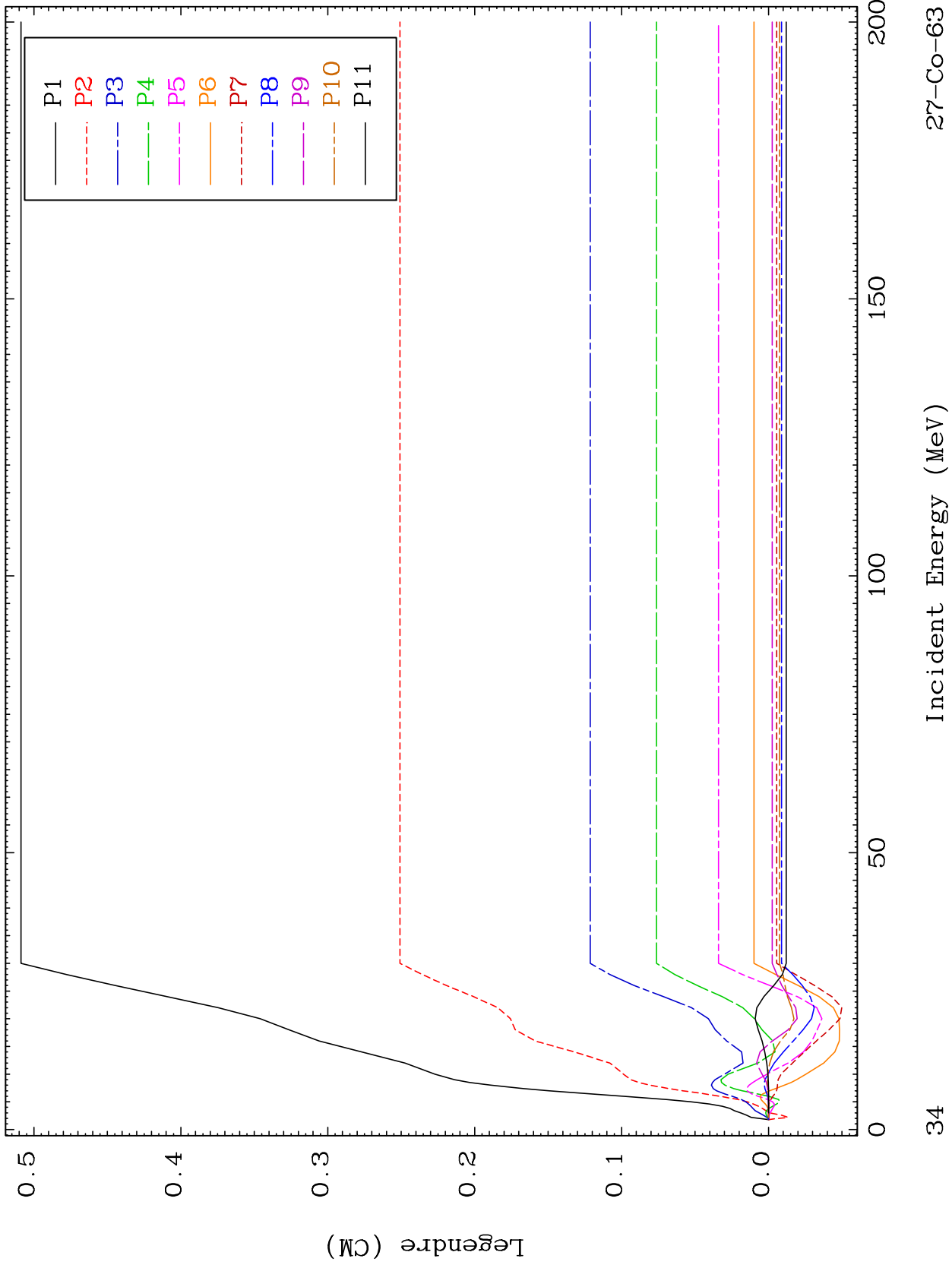
Incident Energy (MeV)

27-Co-63

MAT 2737

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

27-Co-63



34

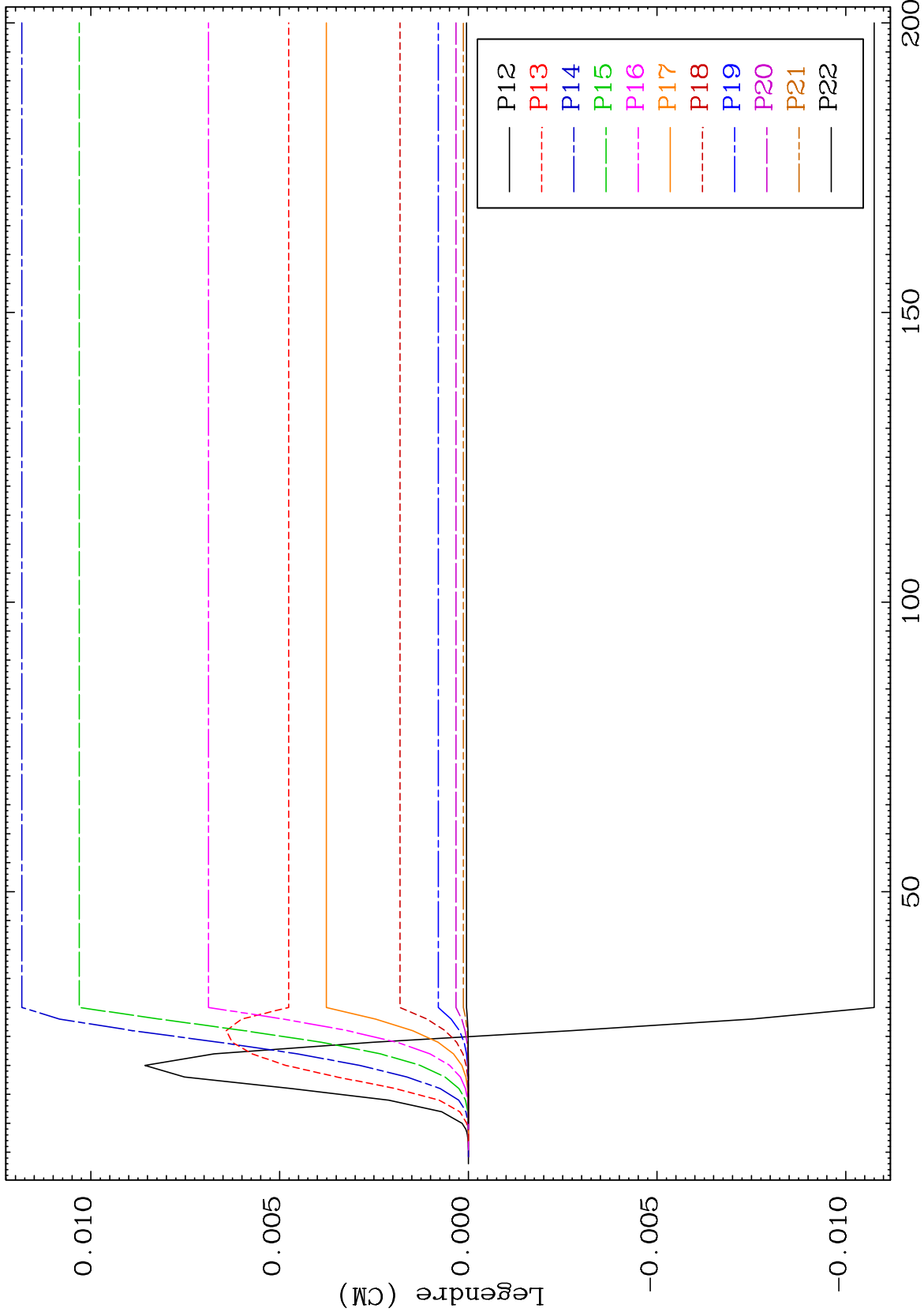
Incident Energy (MeV)

27-Co-63

MAT 2737

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

27-Co-63



35

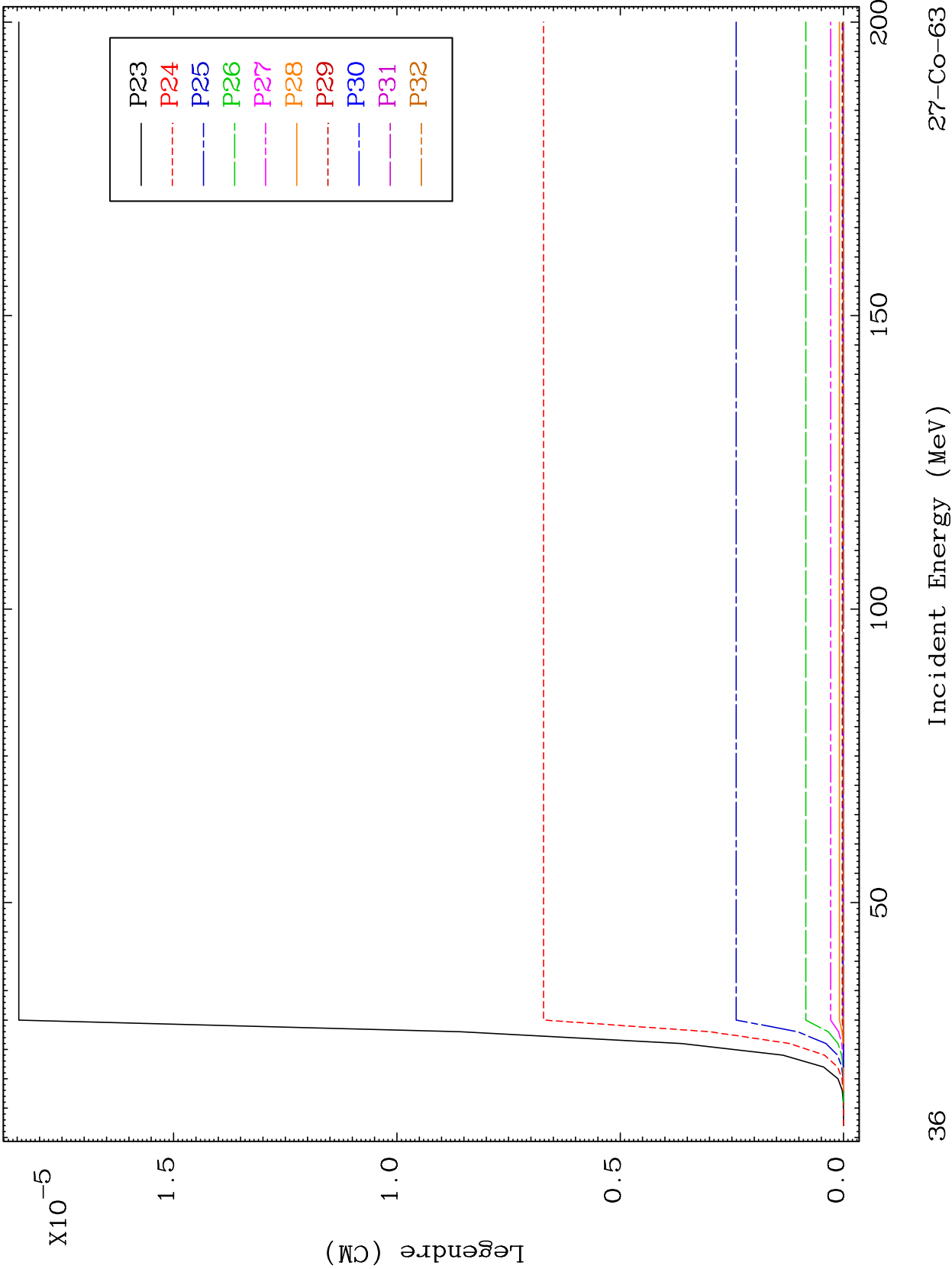
Incident Energy (MeV)

27-Co-63

MAT 2737

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

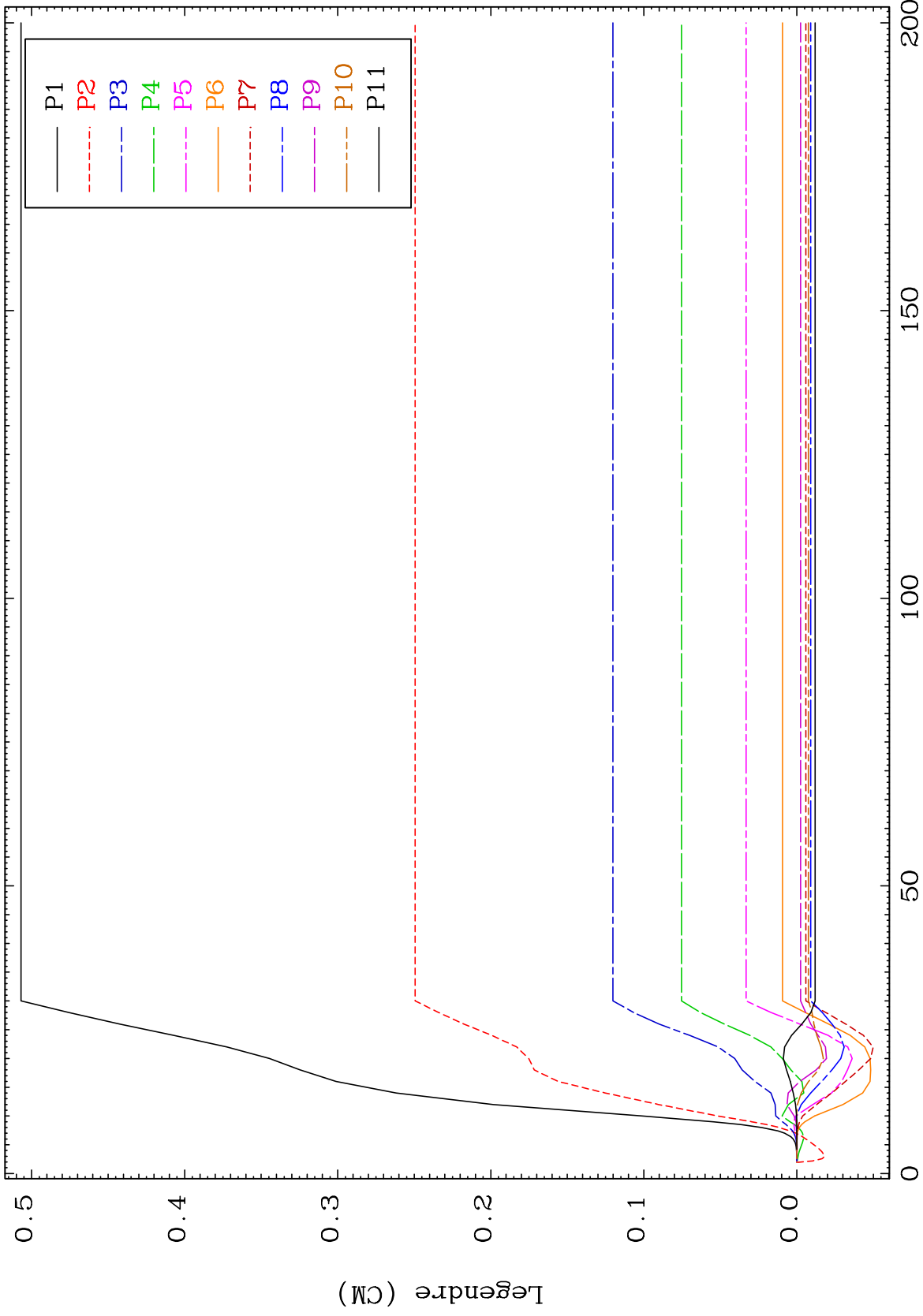
27-Co-63



MAT 2737

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

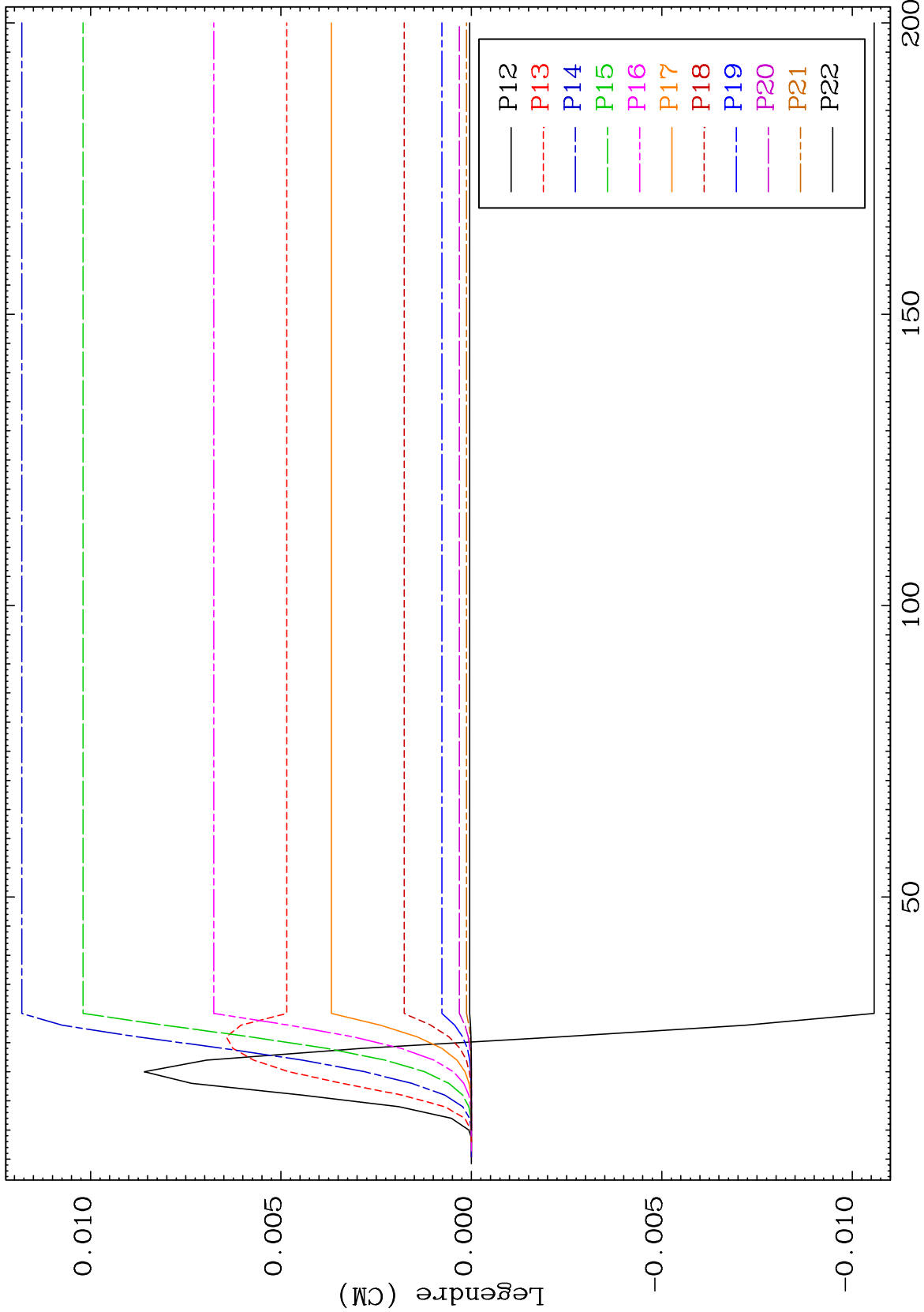
27-Co-63



37

Incident Energy (MeV)

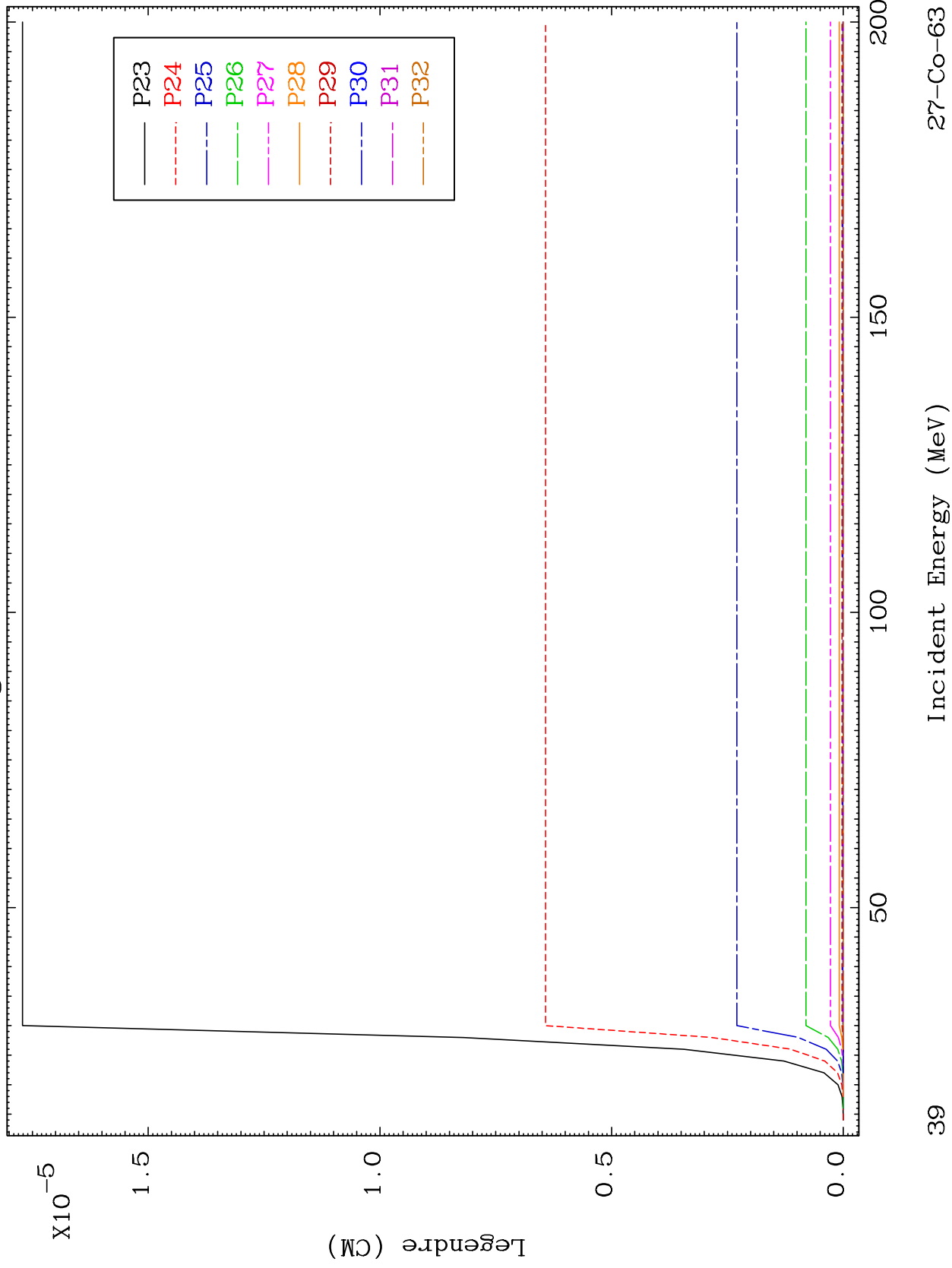
27-Co-63



MAT 2737

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

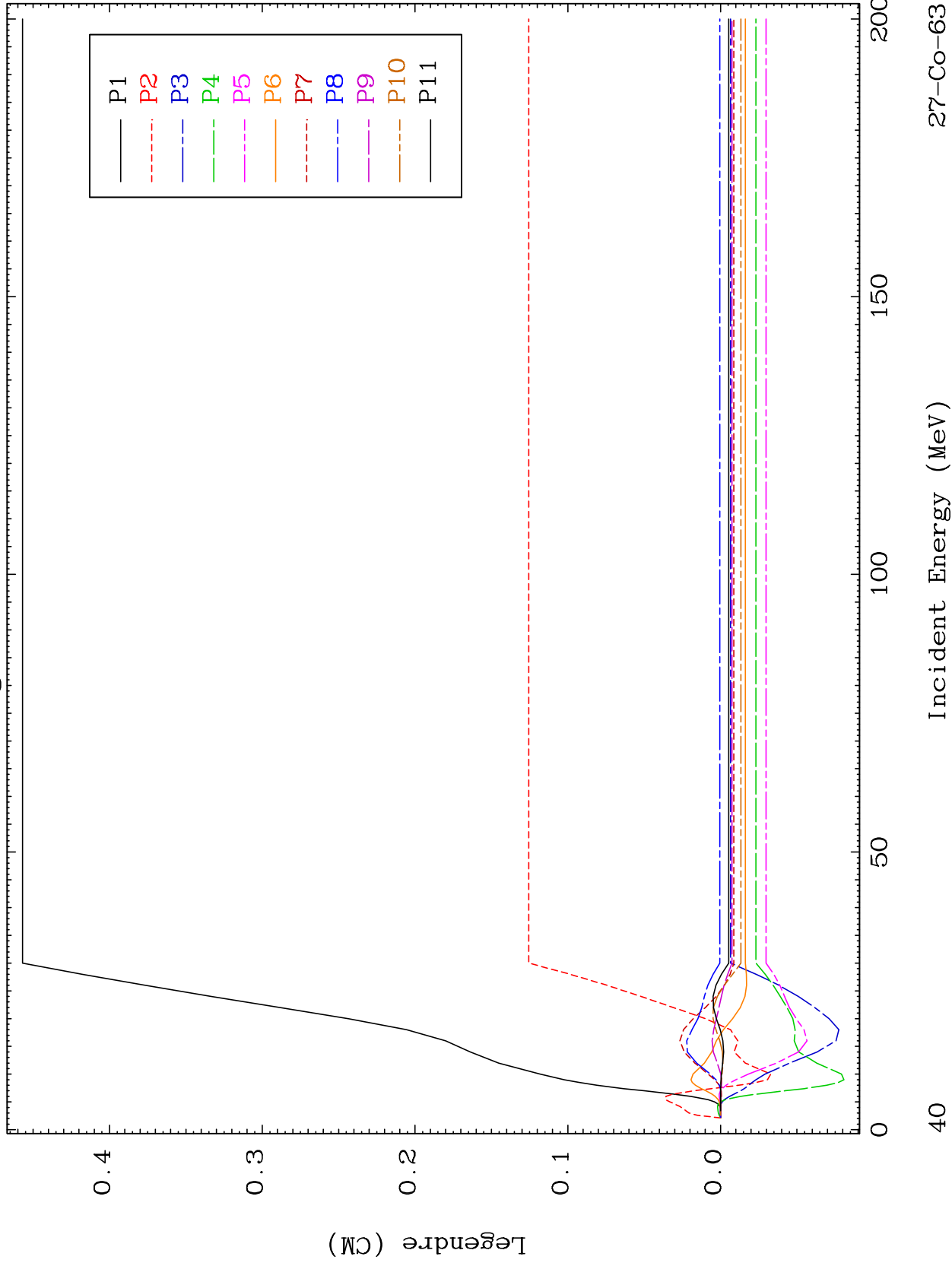
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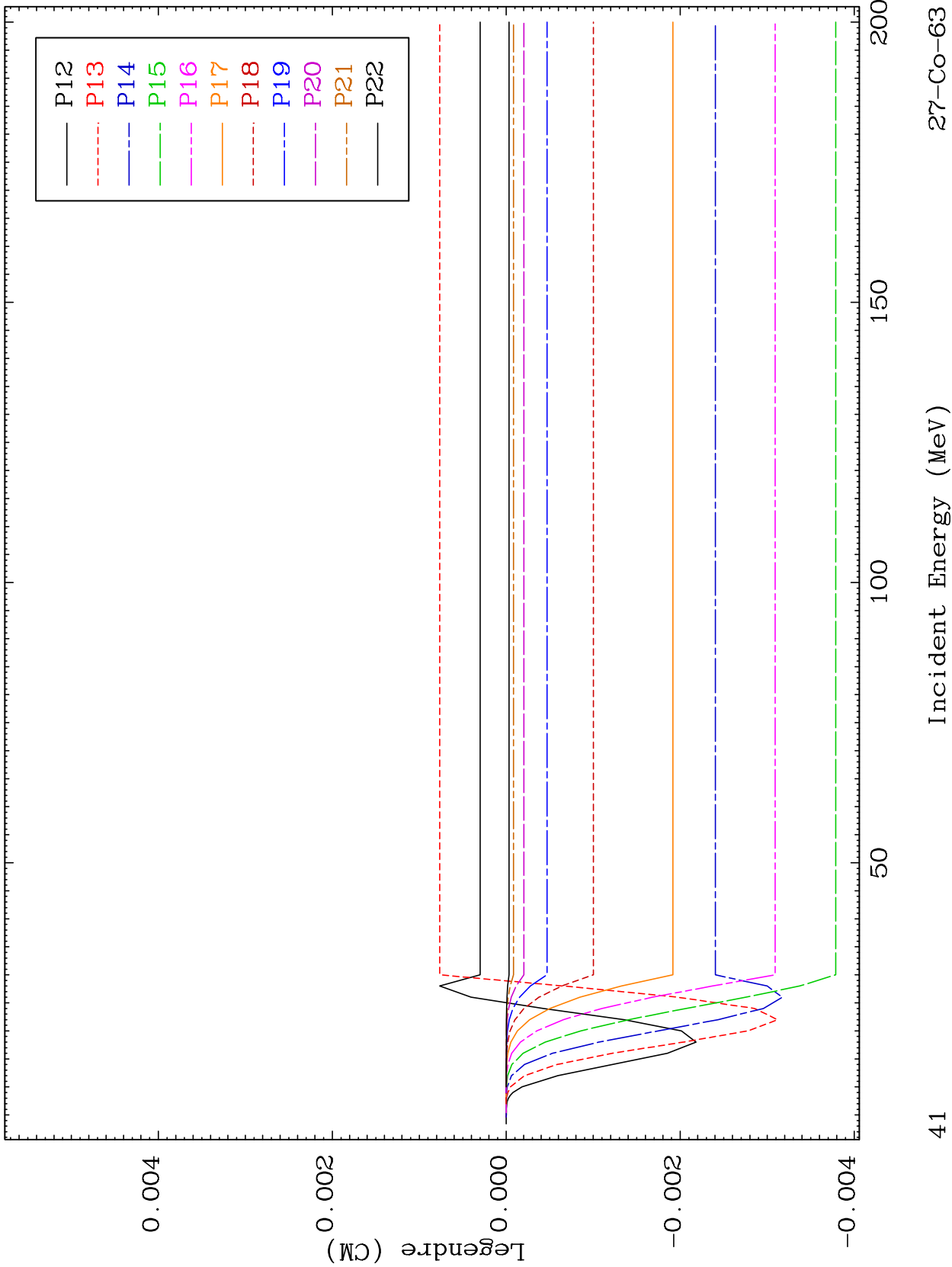
MAT 2737

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

27-Co-63



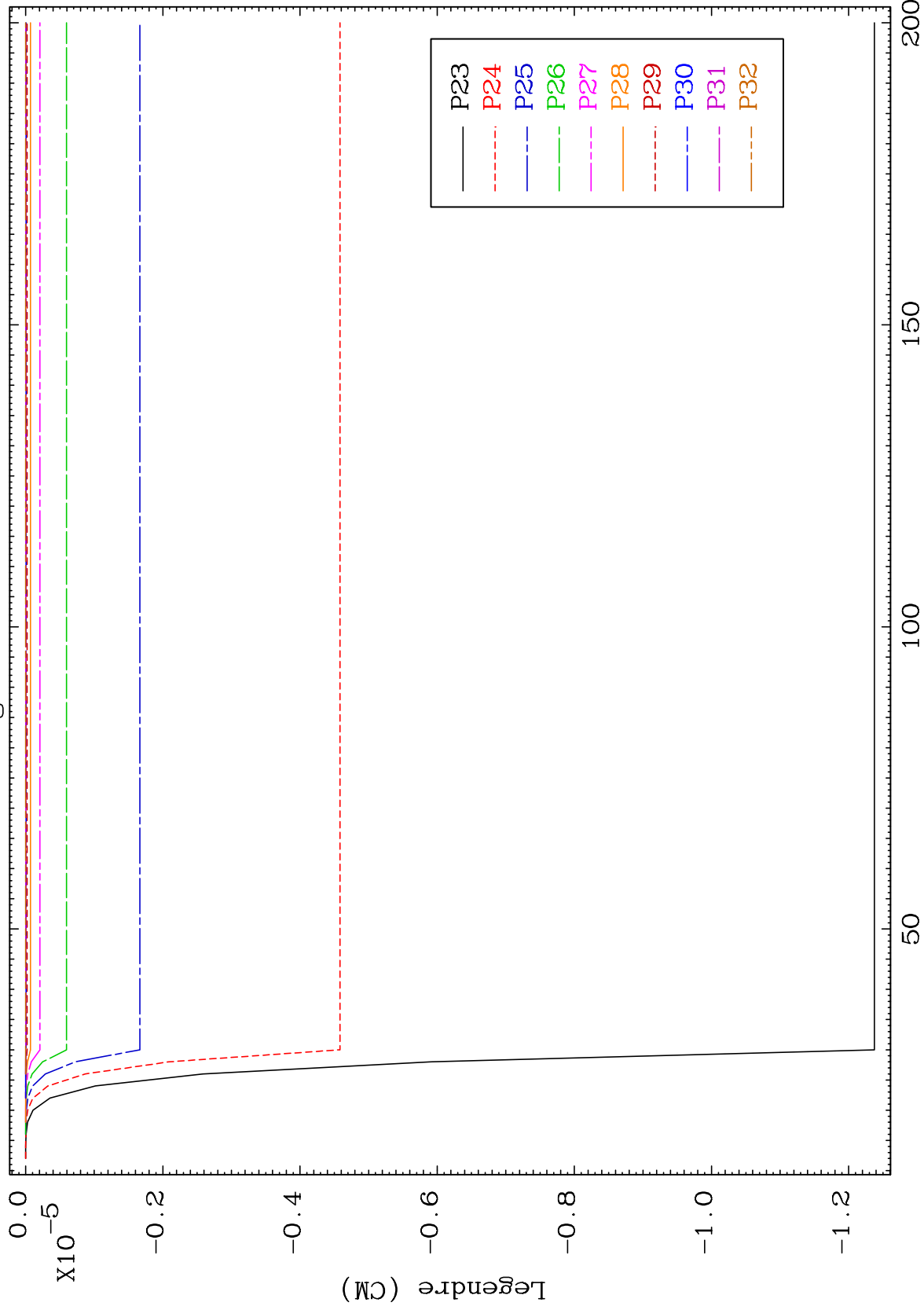
27-Co-63



MAT 2737

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

27-Co-63



42

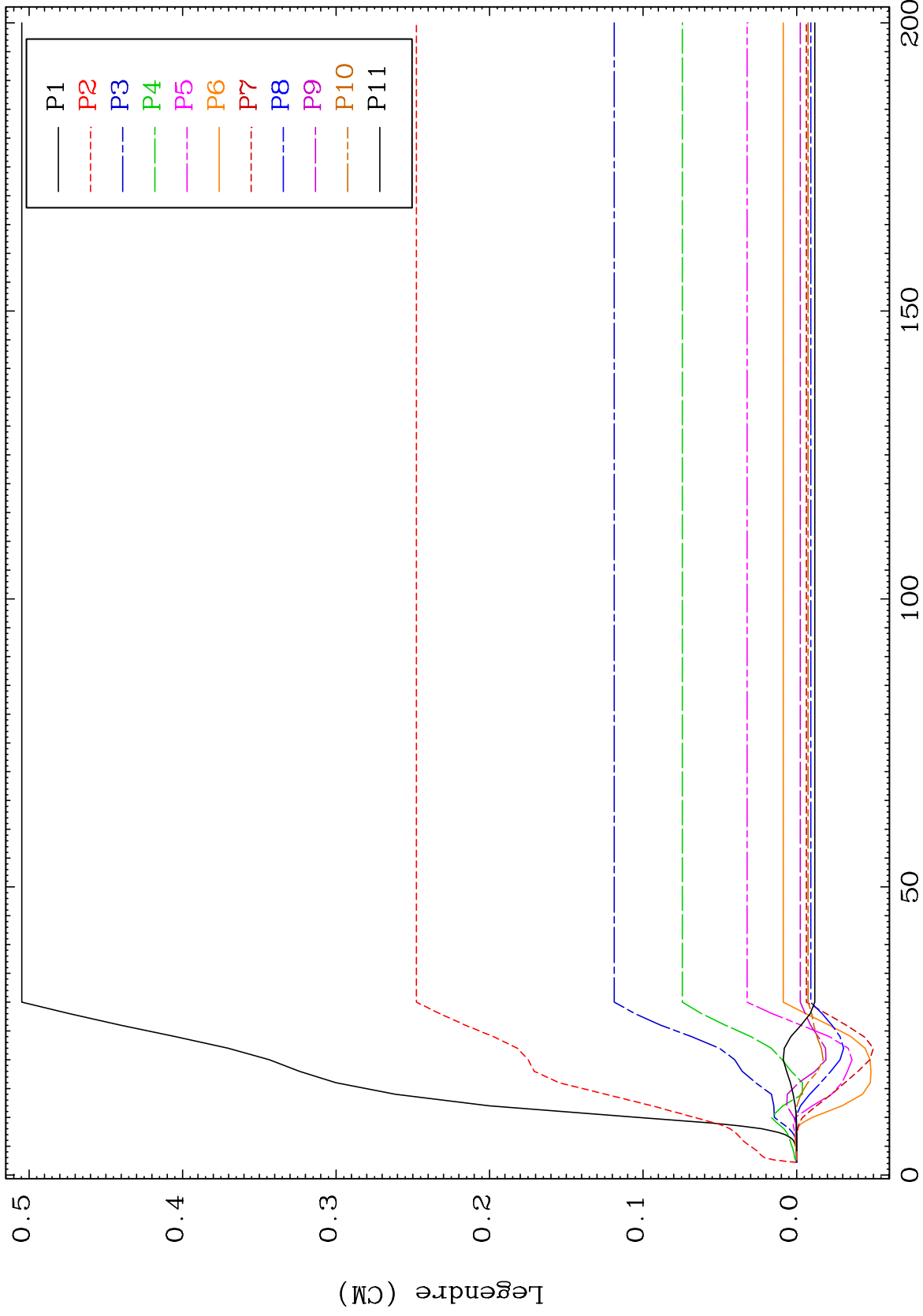
Incident Energy (MeV)

27-Co-63

MAT 2737

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

27-Co-63



43

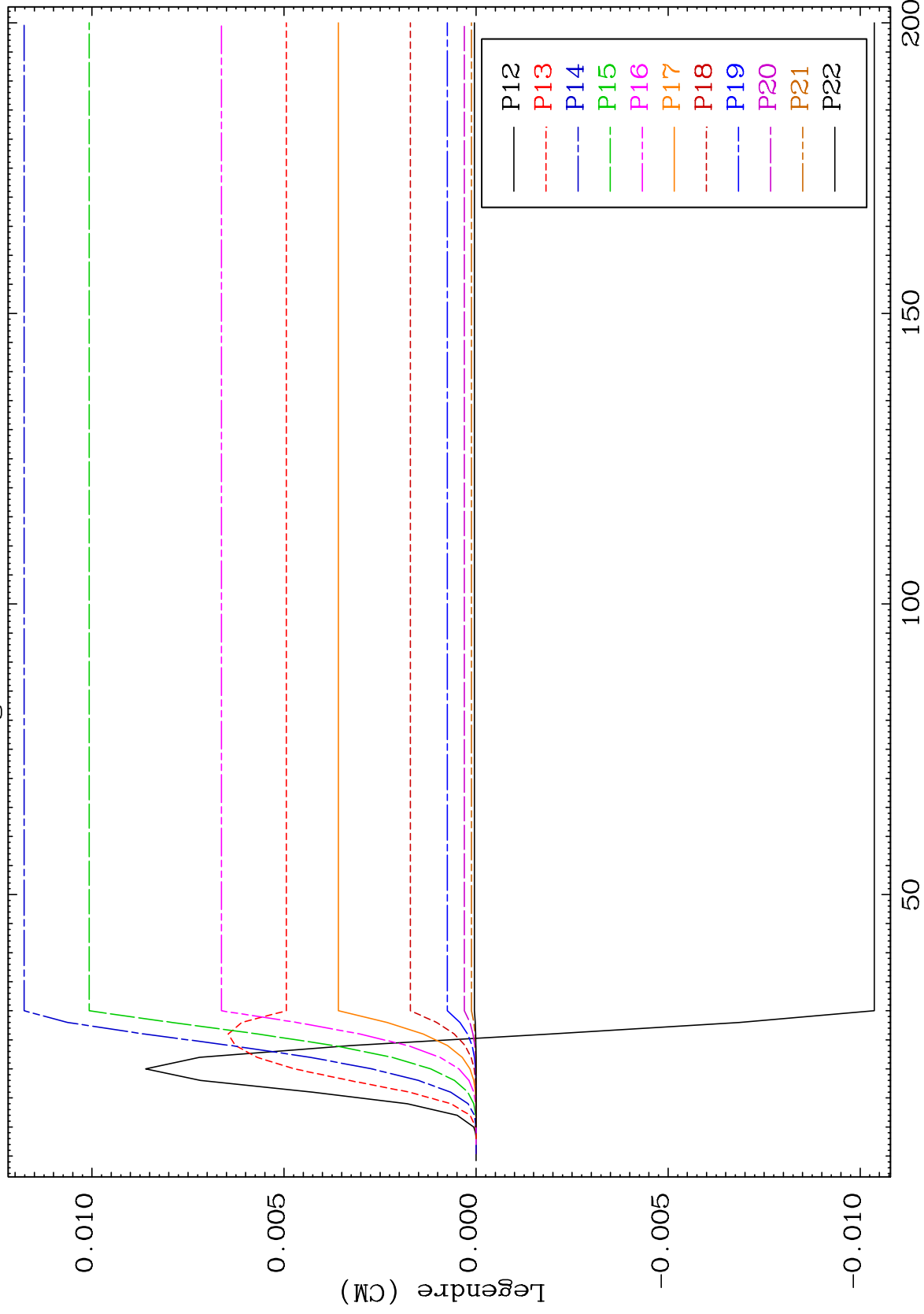
Incident Energy (MeV)

27-Co-63

MAT 2737

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

27-Co-63



44

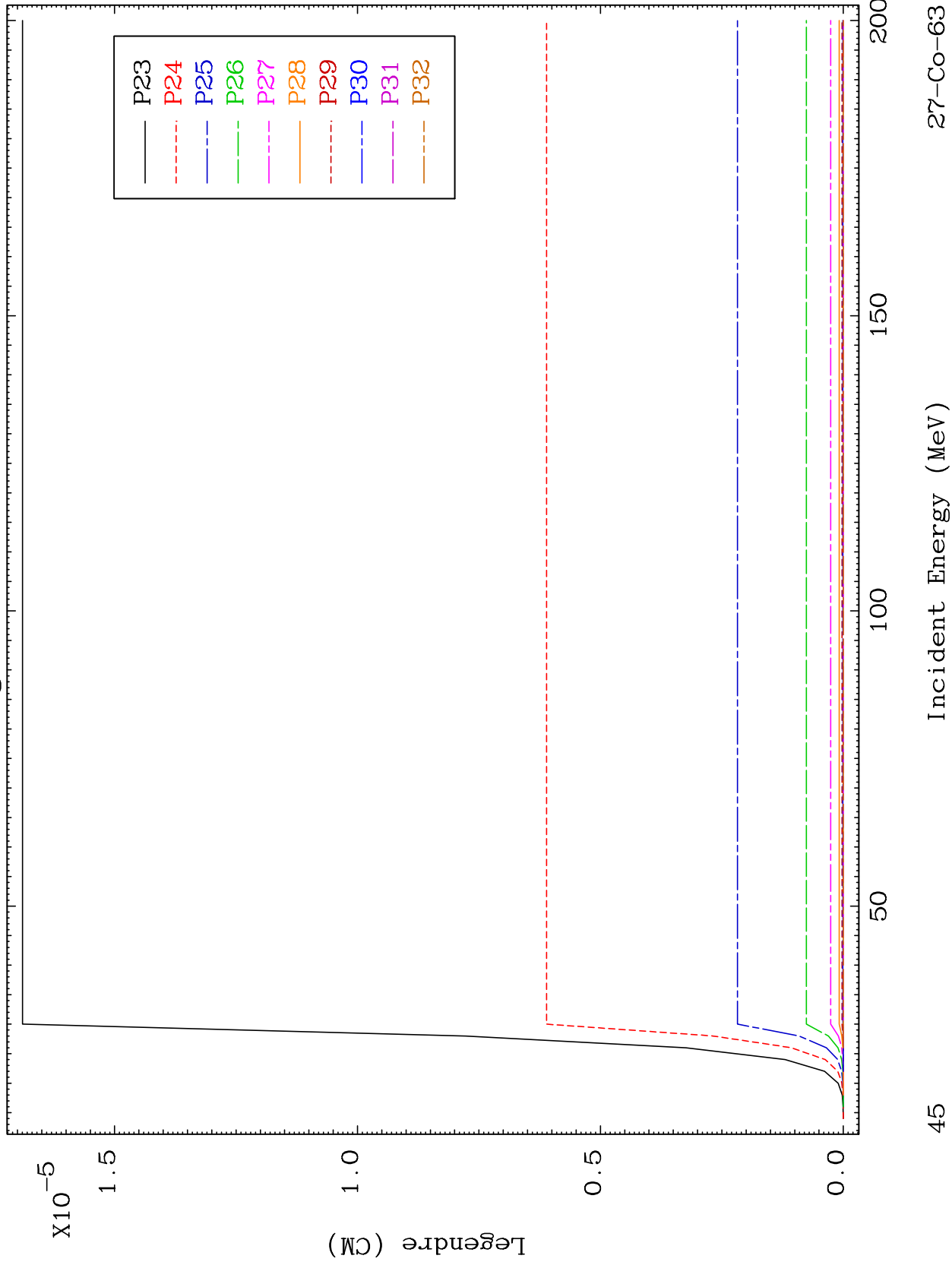
Incident Energy (MeV)

27-Co-63

MAT 2737

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

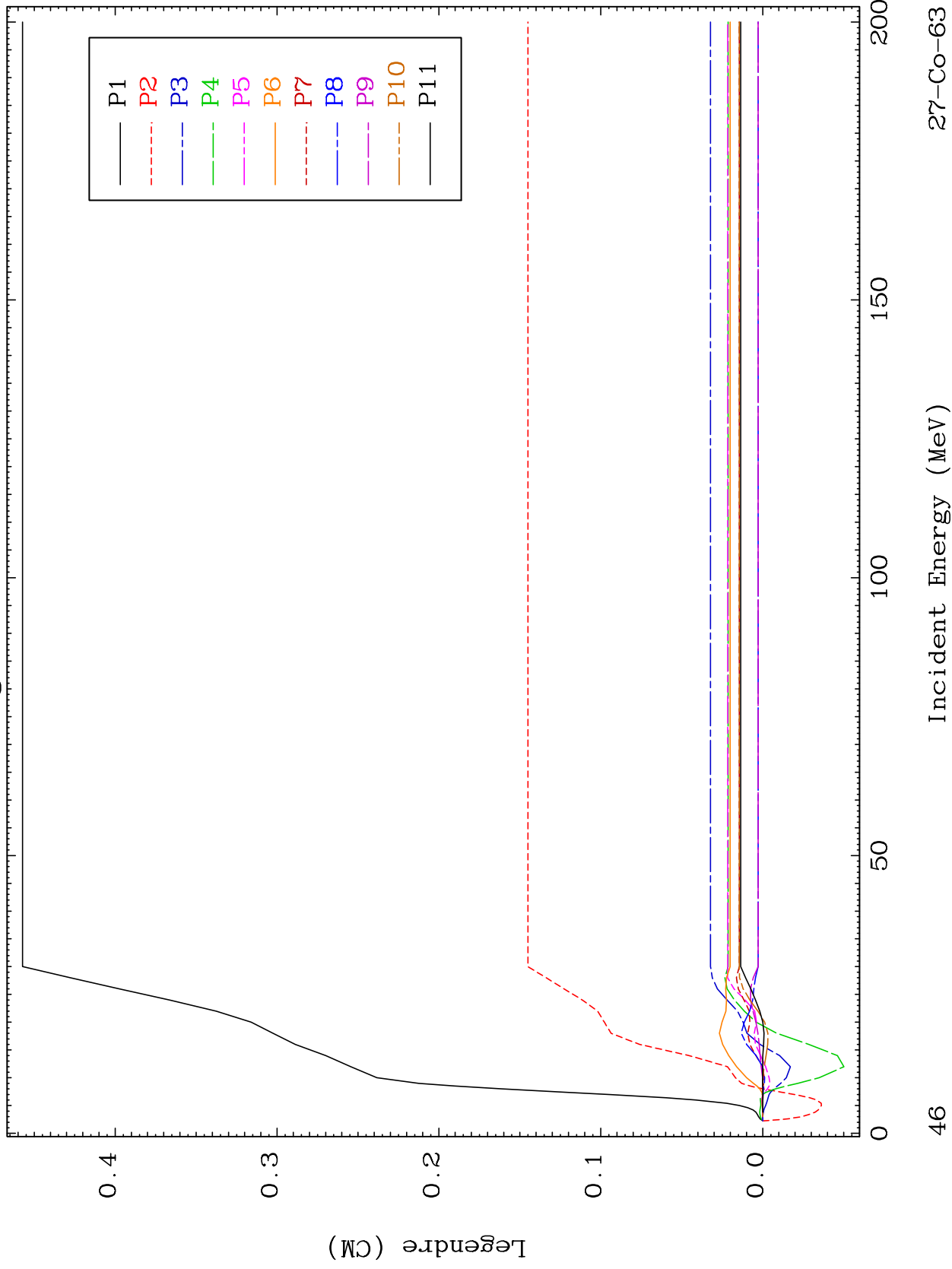
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MAT 2737

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

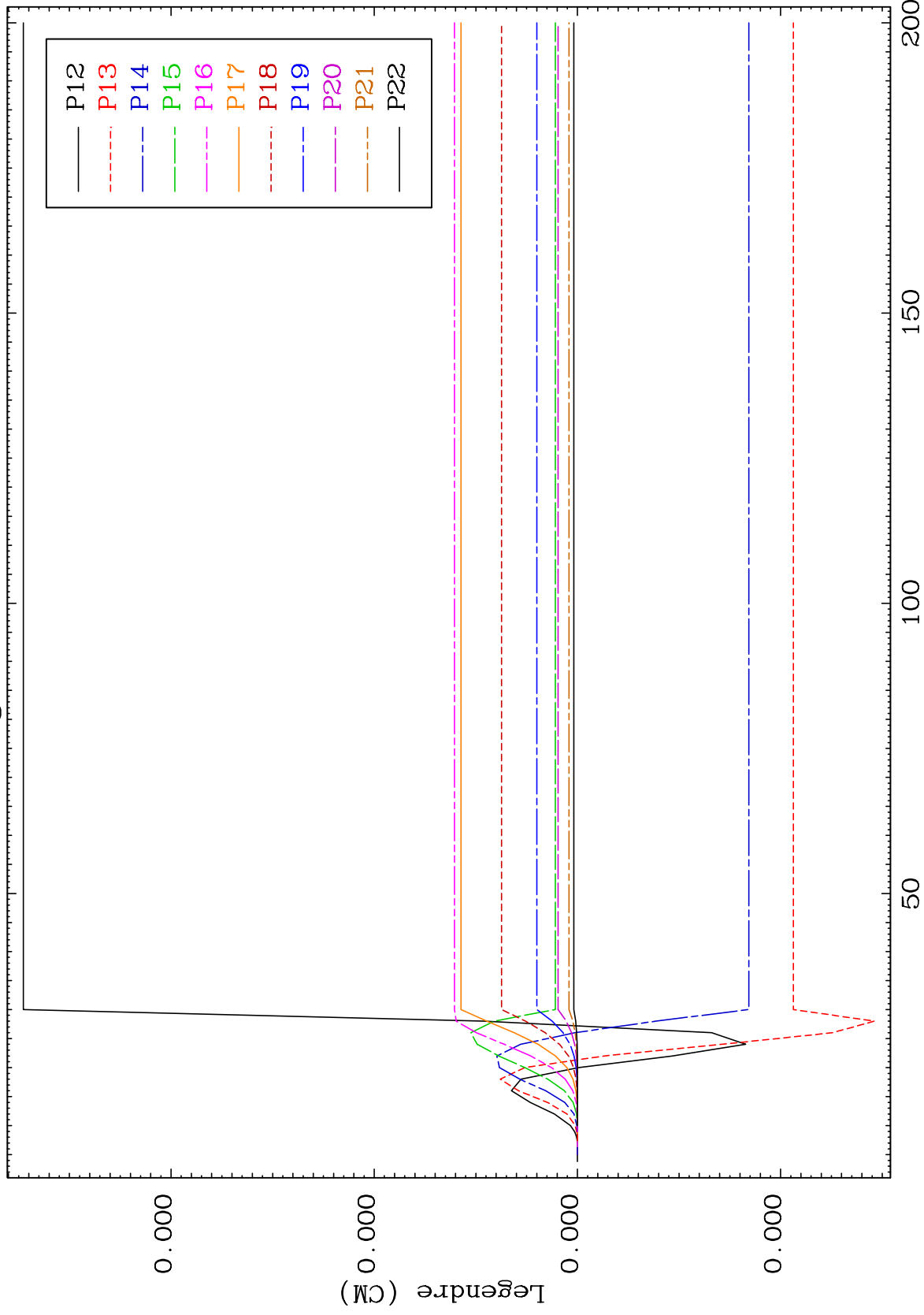
27-Co-63



MAT 2737

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

27-Co-63



47

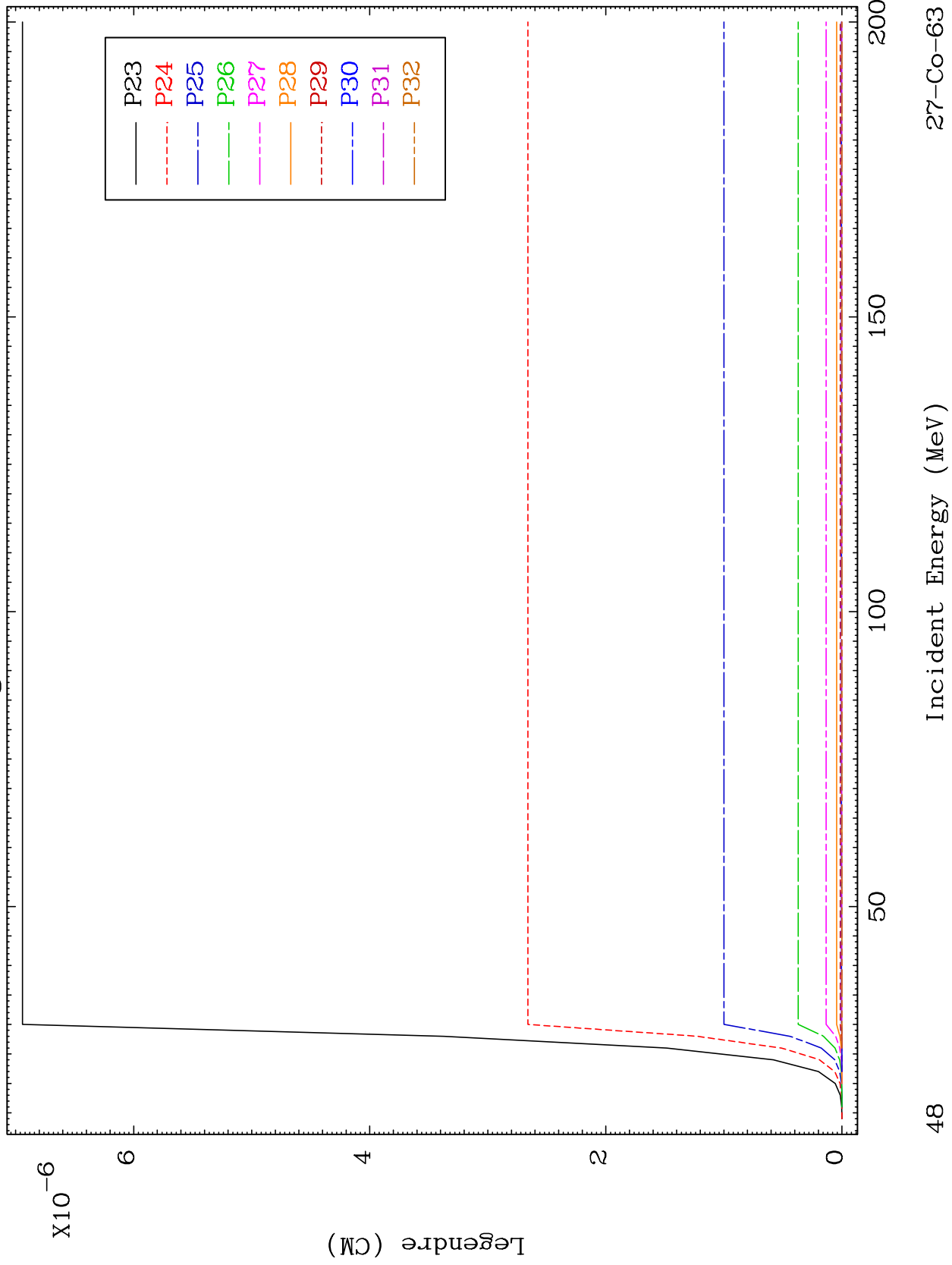
Incident Energy (MeV)

27-Co-63

MAT 2737

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

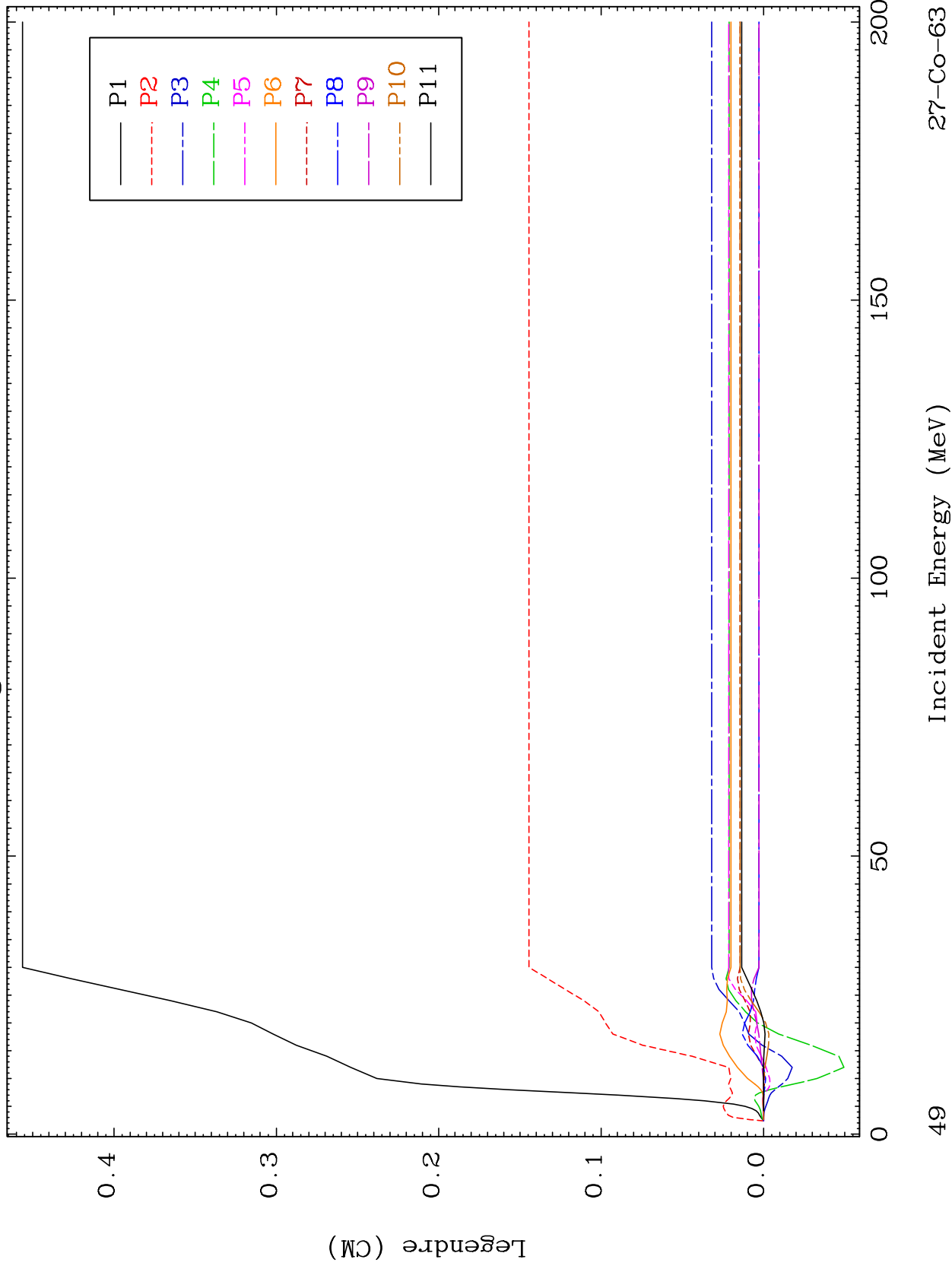
27-Co-63



MAT 2737

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

27-Co-63



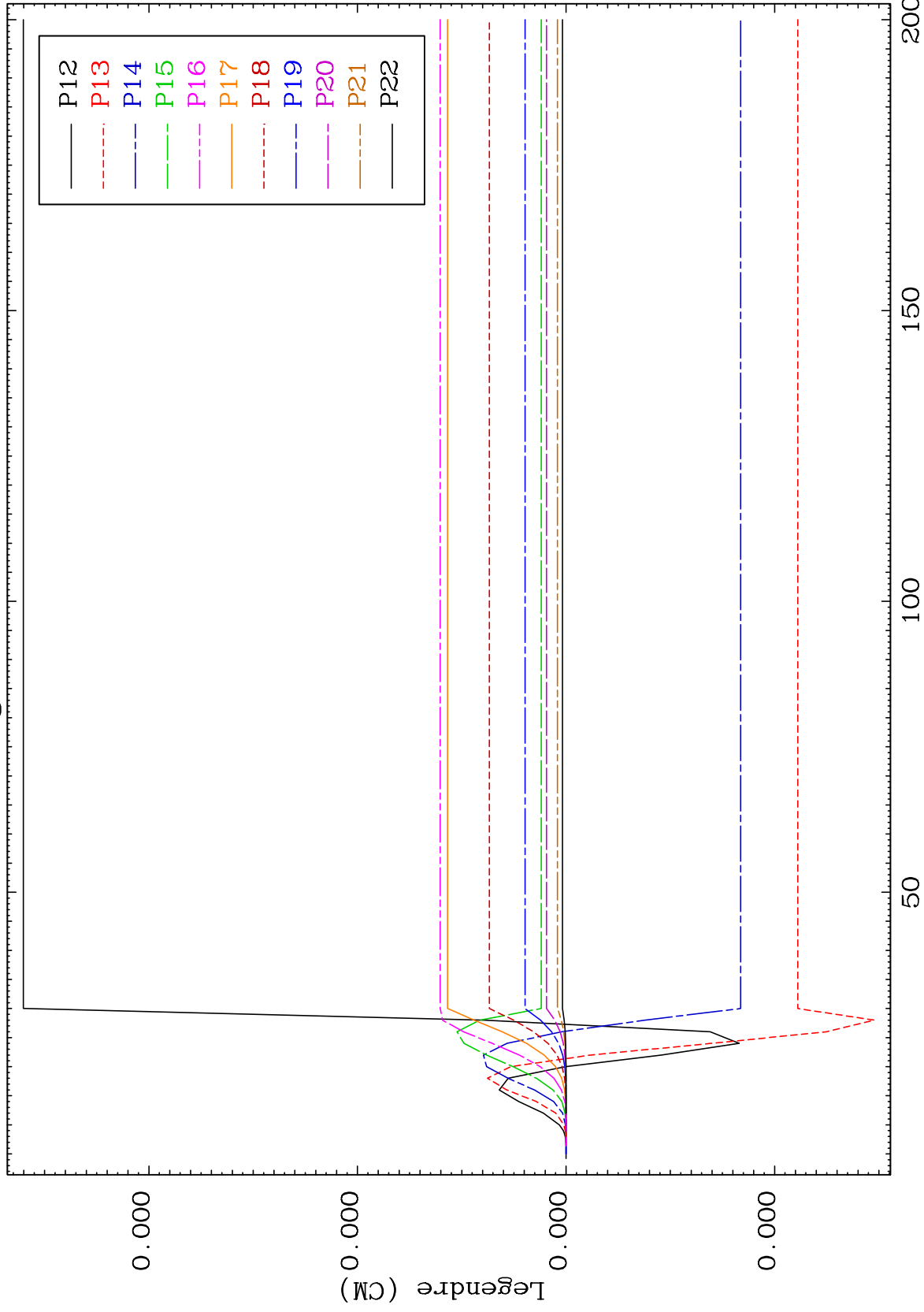
49

27-Co-63

MAT 2737

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

27-Co-63



50

Incident Energy (MeV)

50

100

150

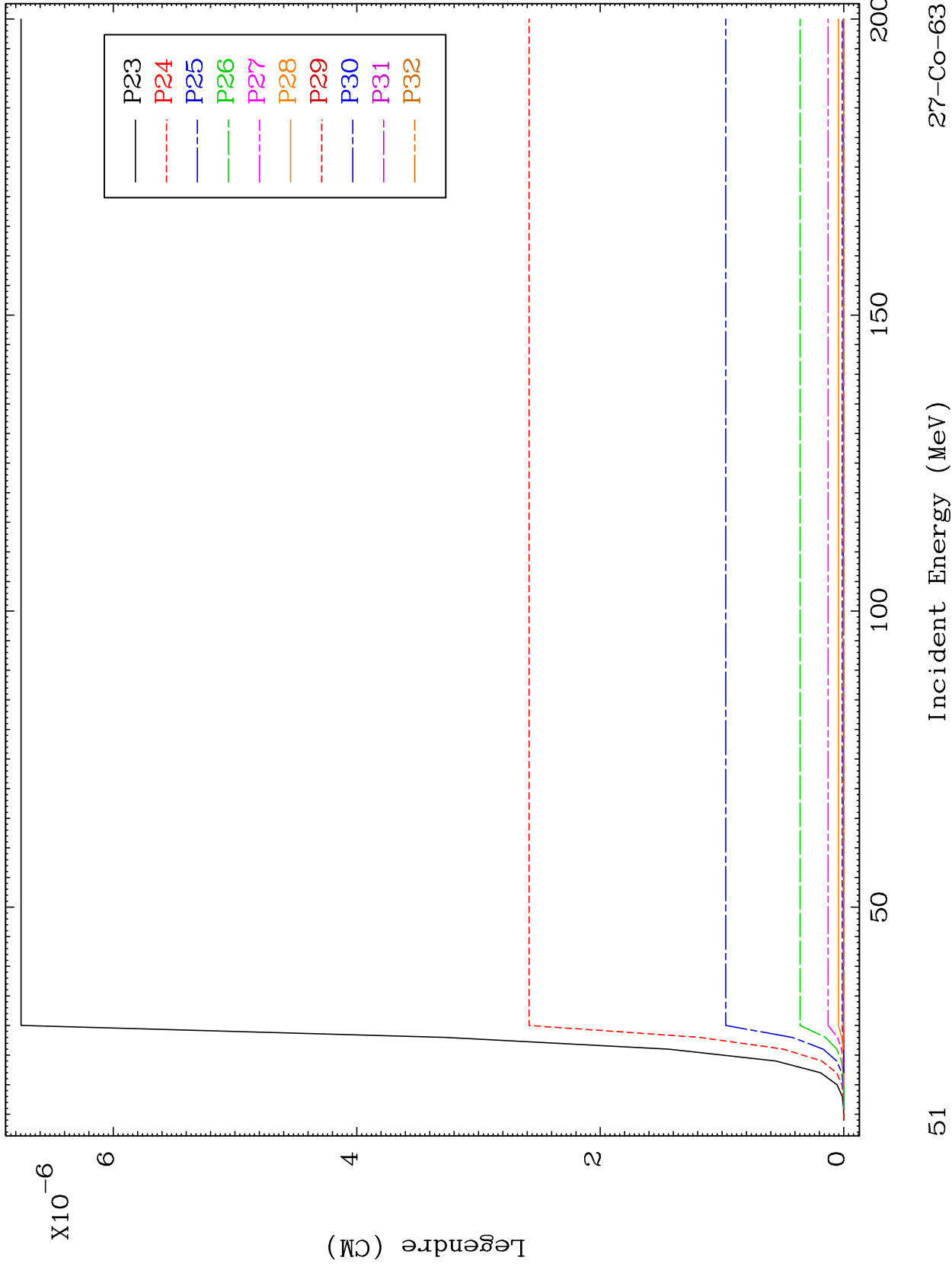
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27-Co-63

MAT 2737

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

27-Co-63



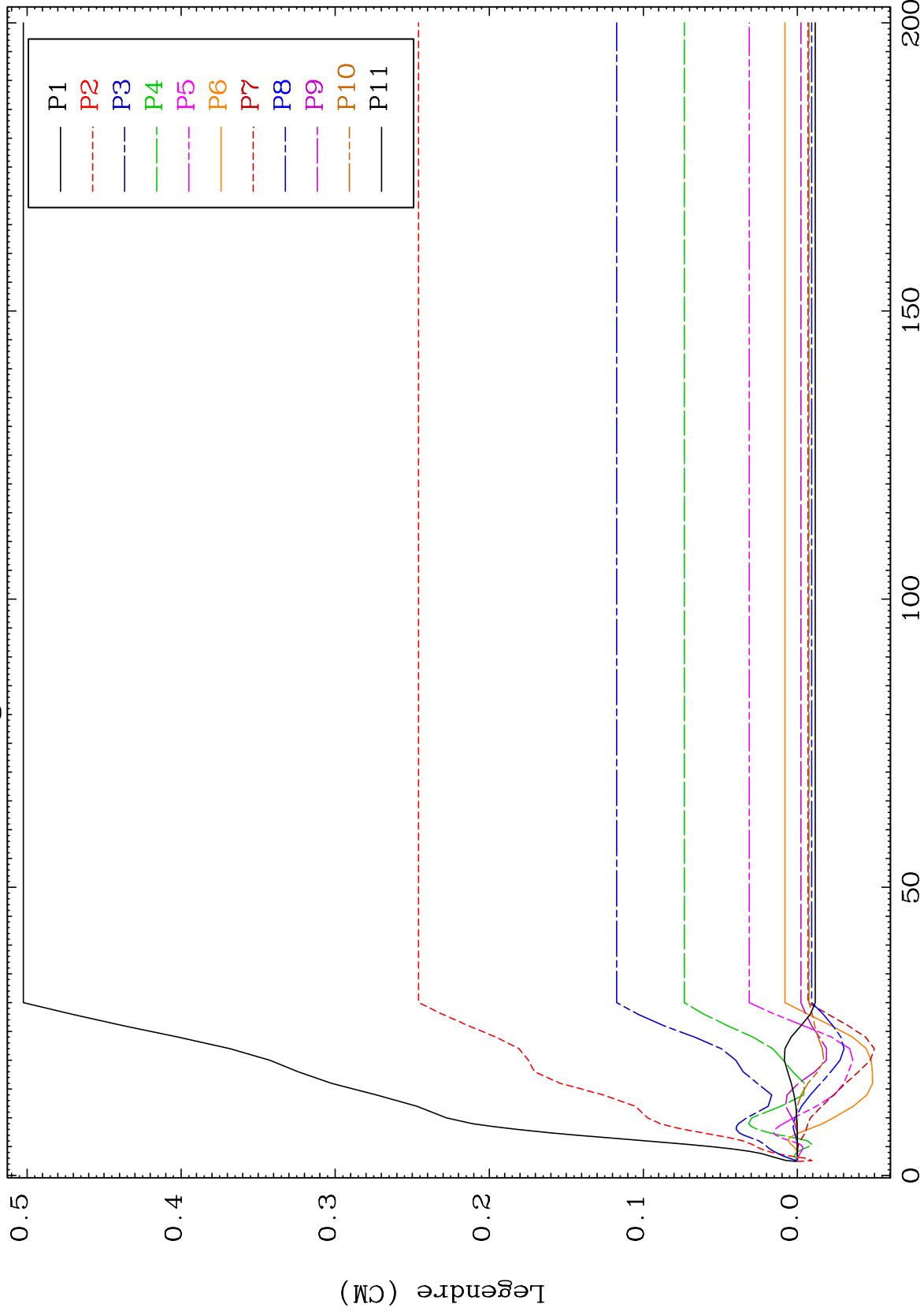
51

27-Co-63

MAT 2737

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

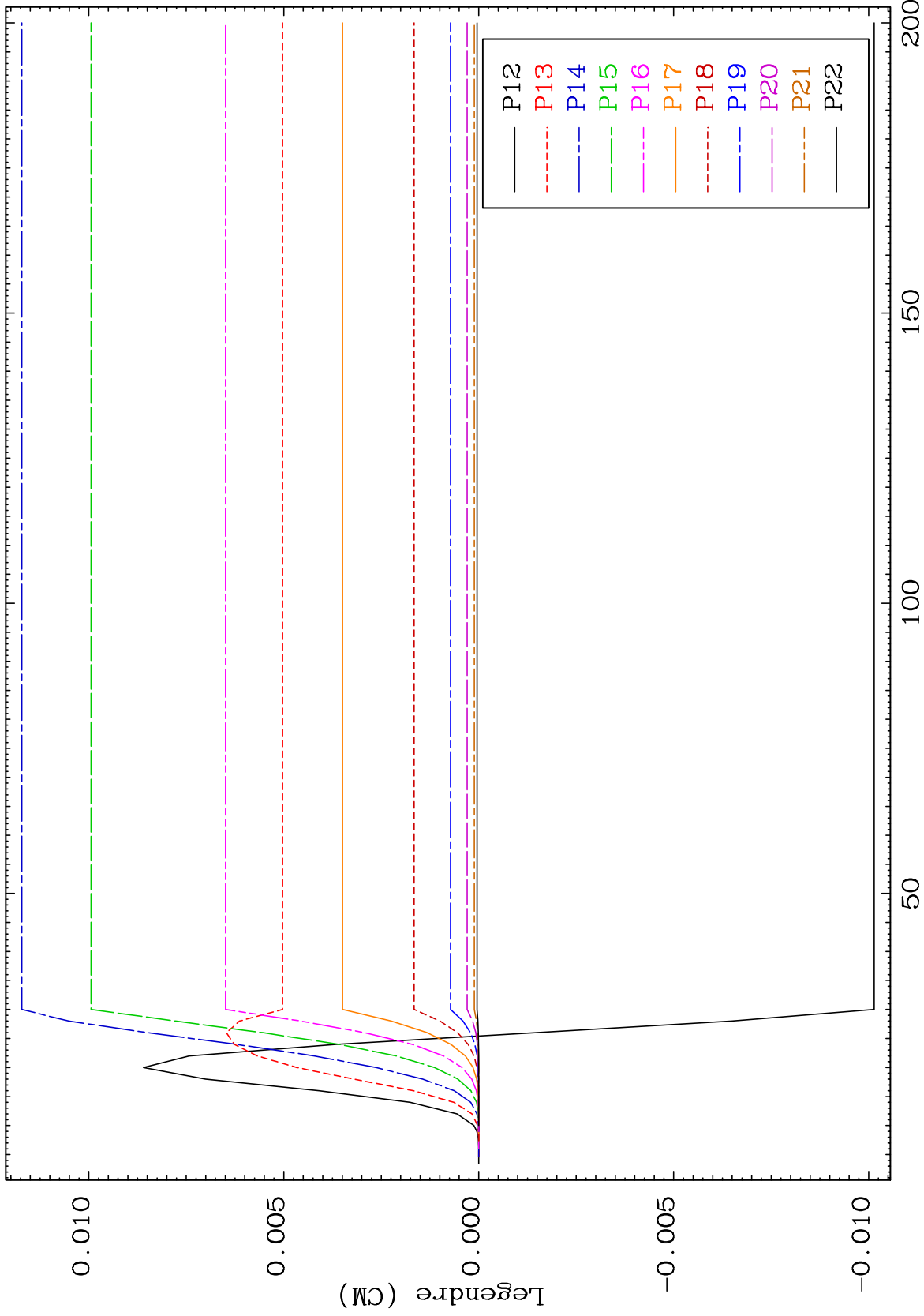
27-Co-63



52

Incident Energy (MeV)

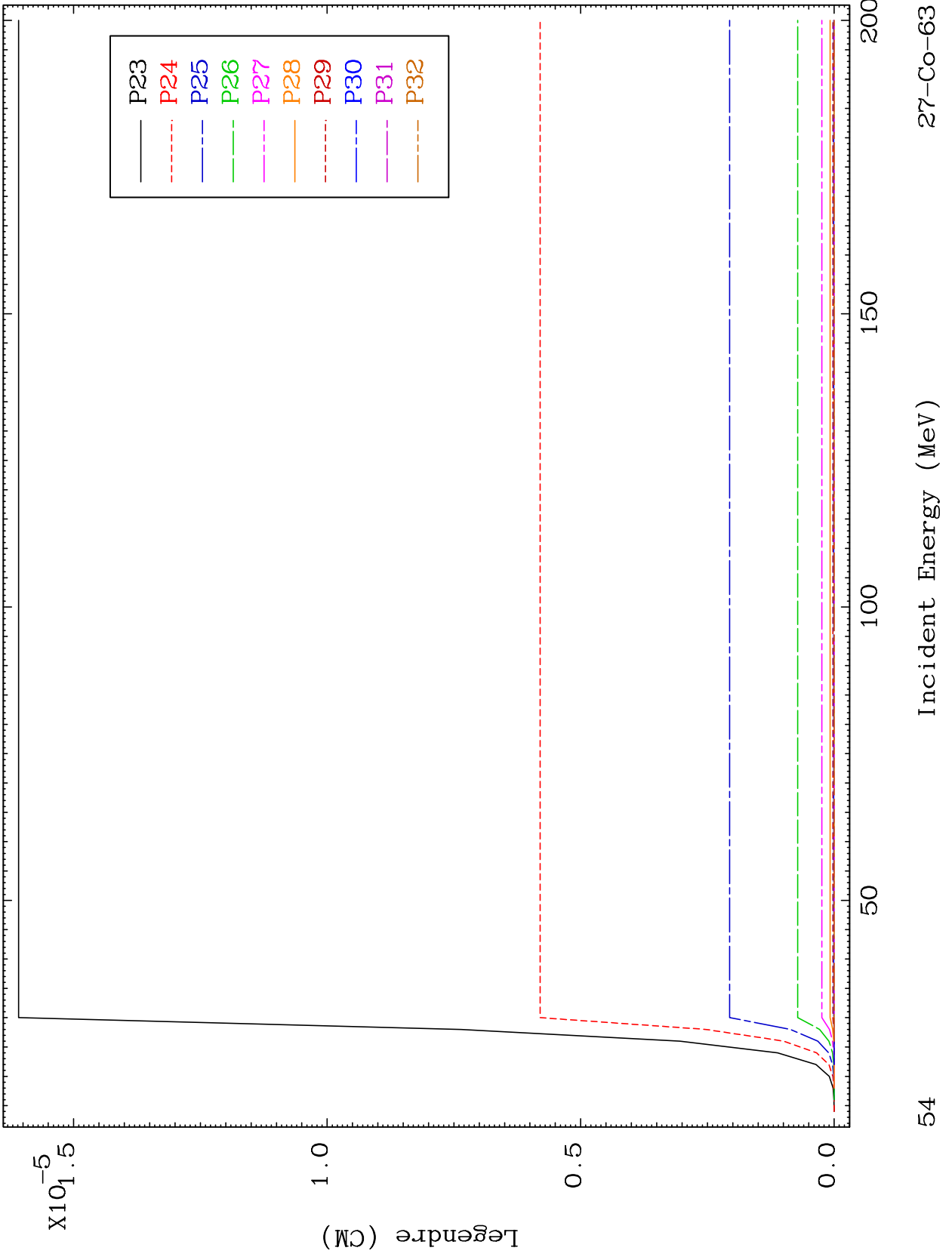
27-Co-63



MAT 2737

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

27-Co-63



54

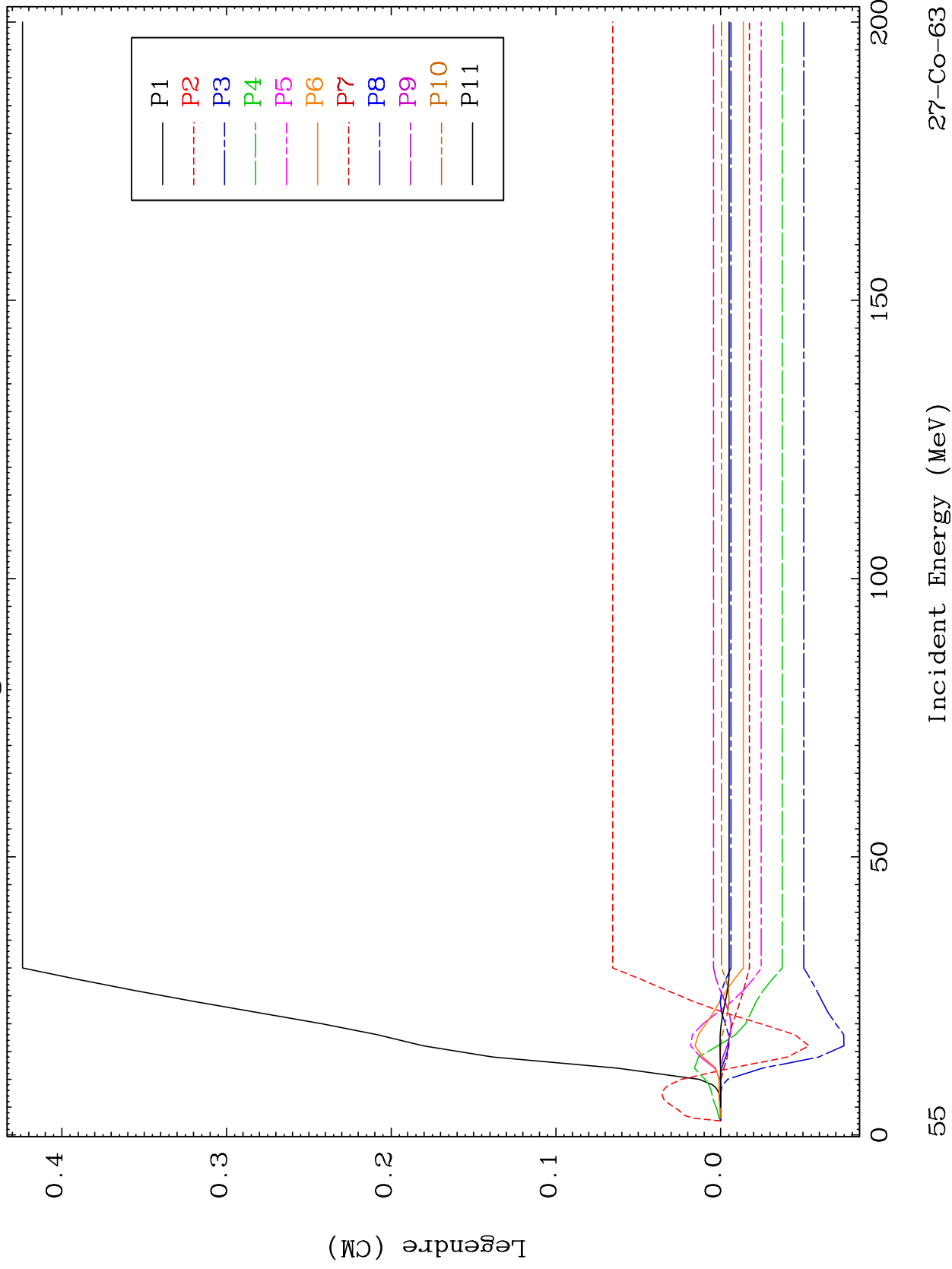
Incident Energy (MeV)

27-Co-63

MAT 2737

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

27-Co-63



27-Co-63

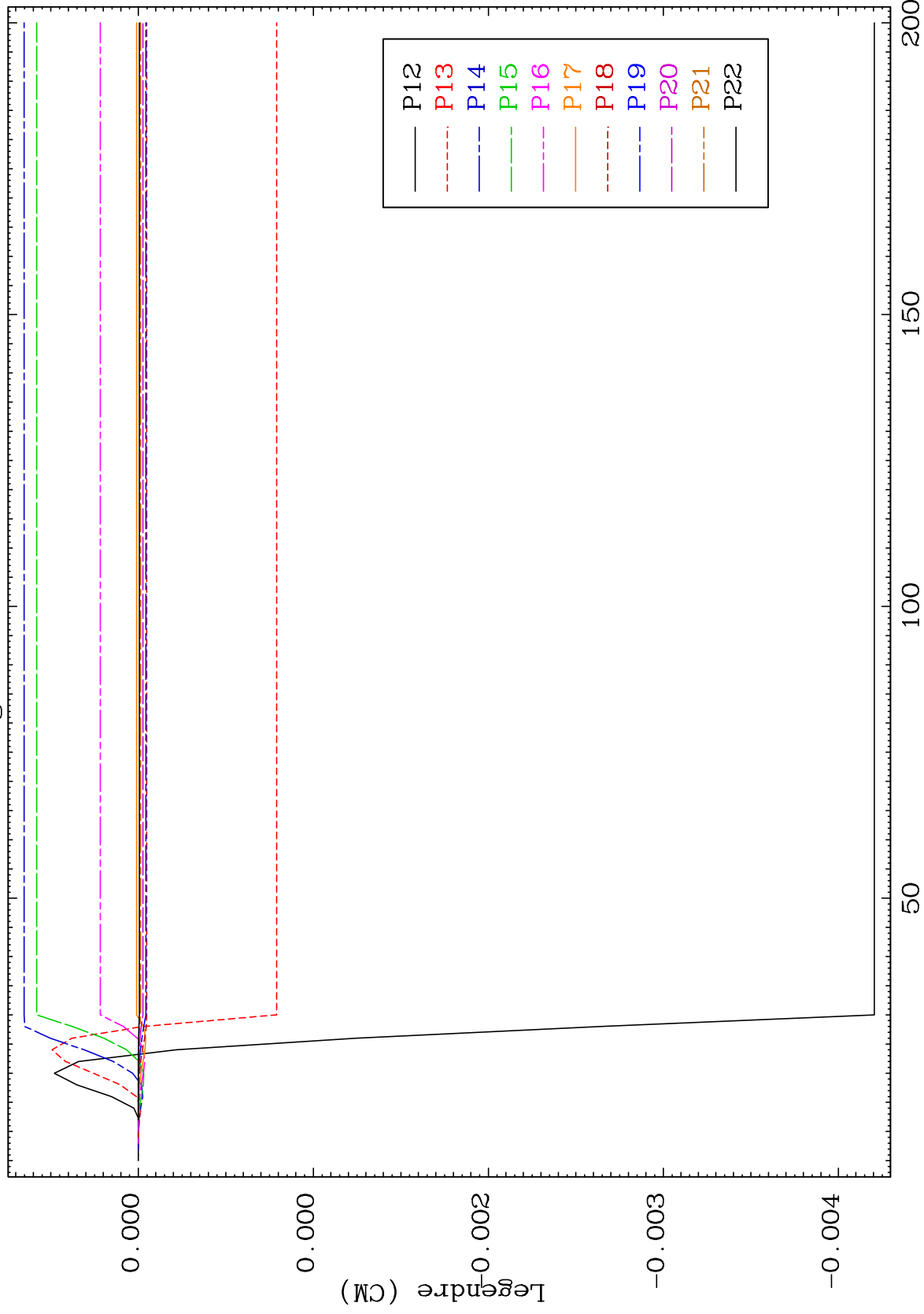
Incident Energy (MeV)

55

MAT 2737

27-Co-63

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



56

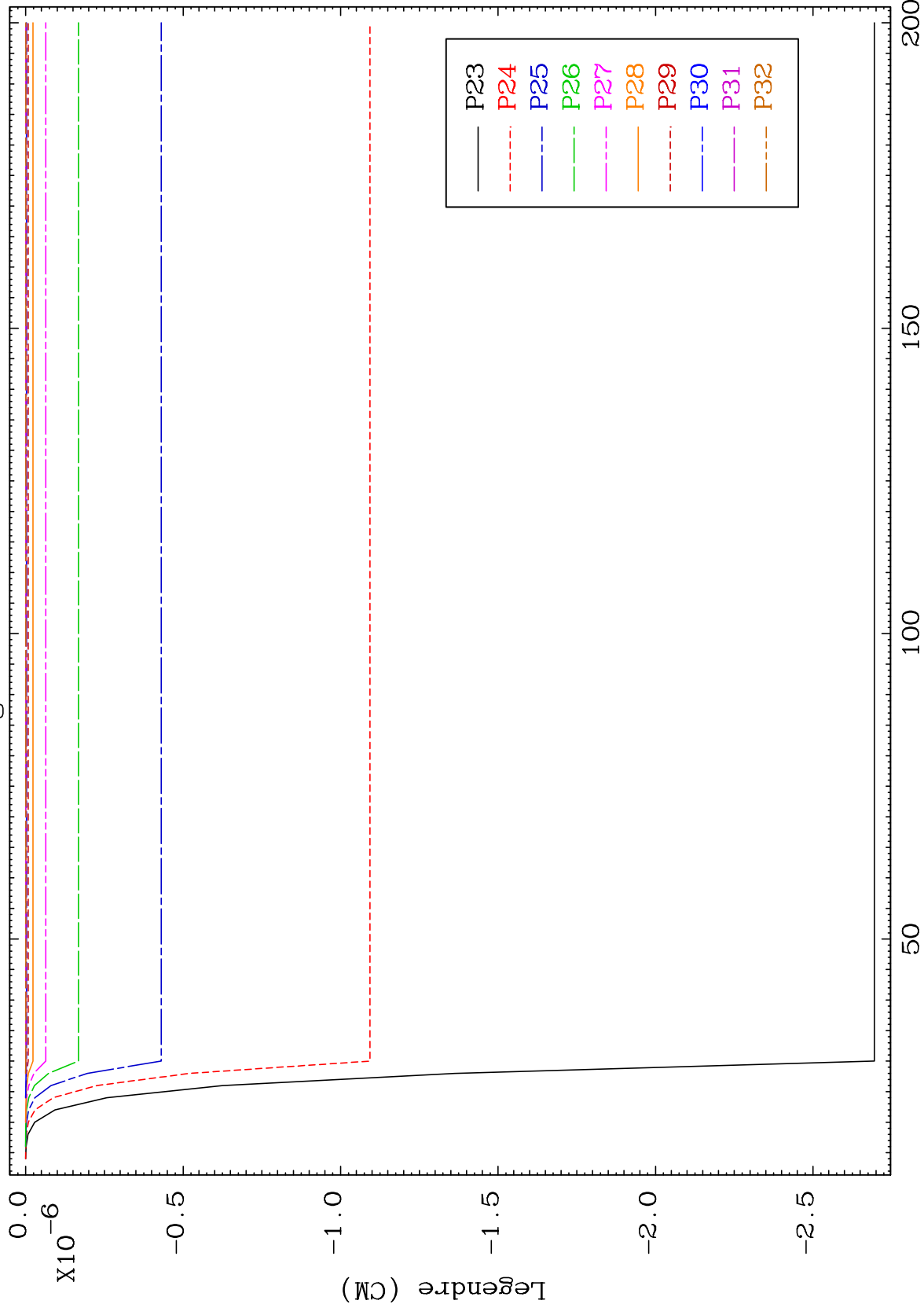
Incident Energy (MeV)

27-Co-63

MAT 2737

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

27-Co-63



27-Co-63

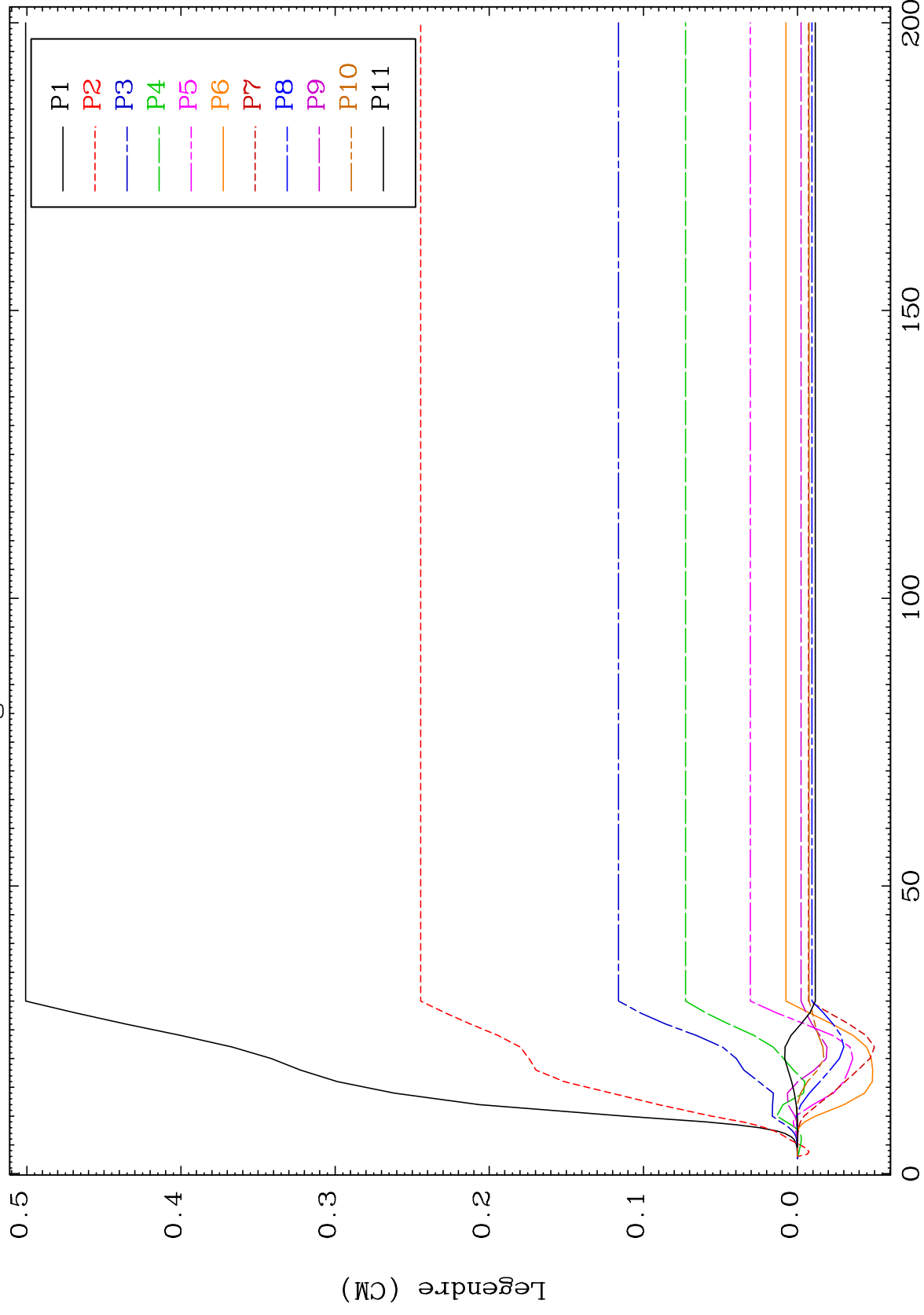
Incident Energy (MeV)

57

MAT 2737

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

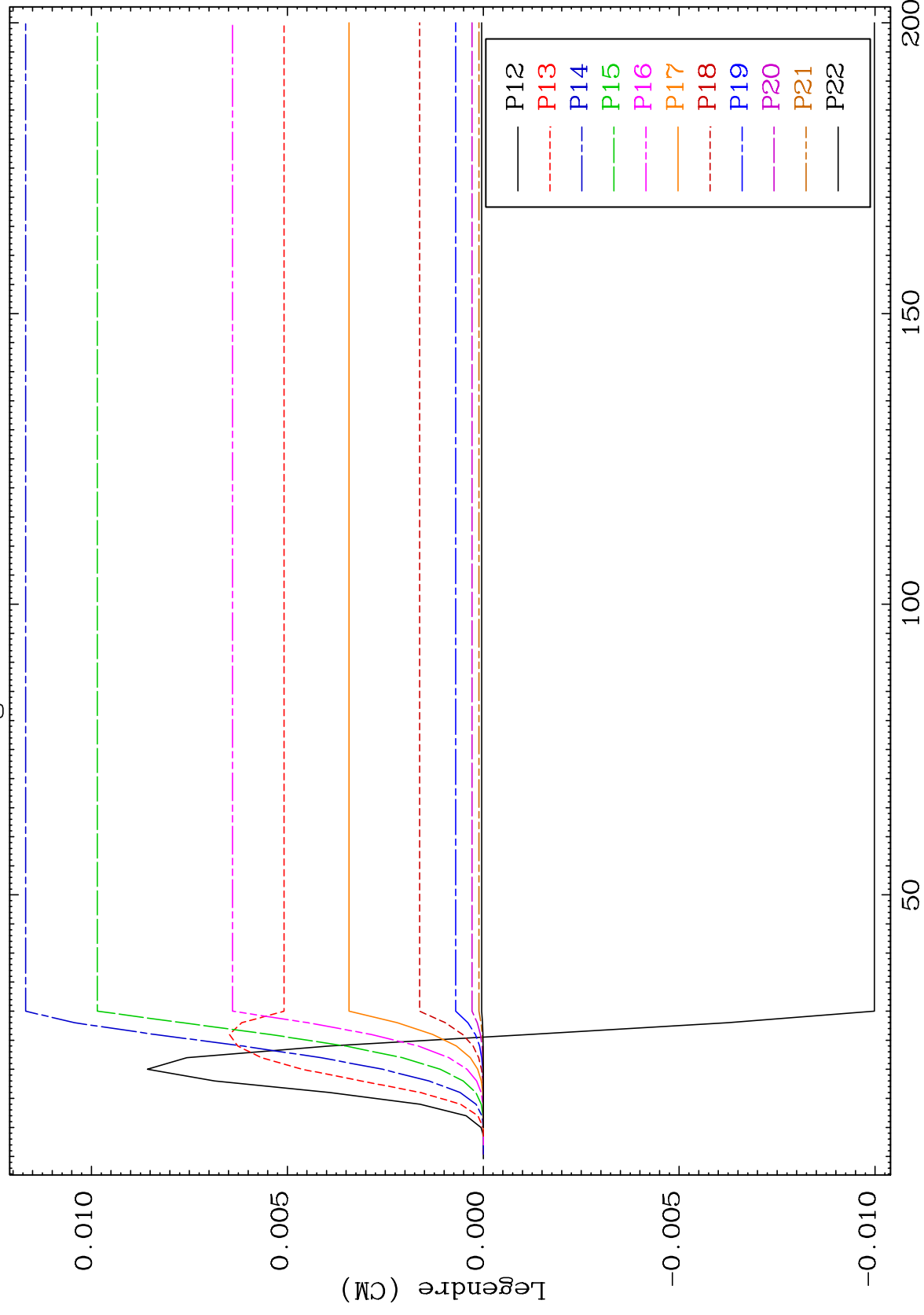
27-Co-63



58

Incident Energy (MeV)

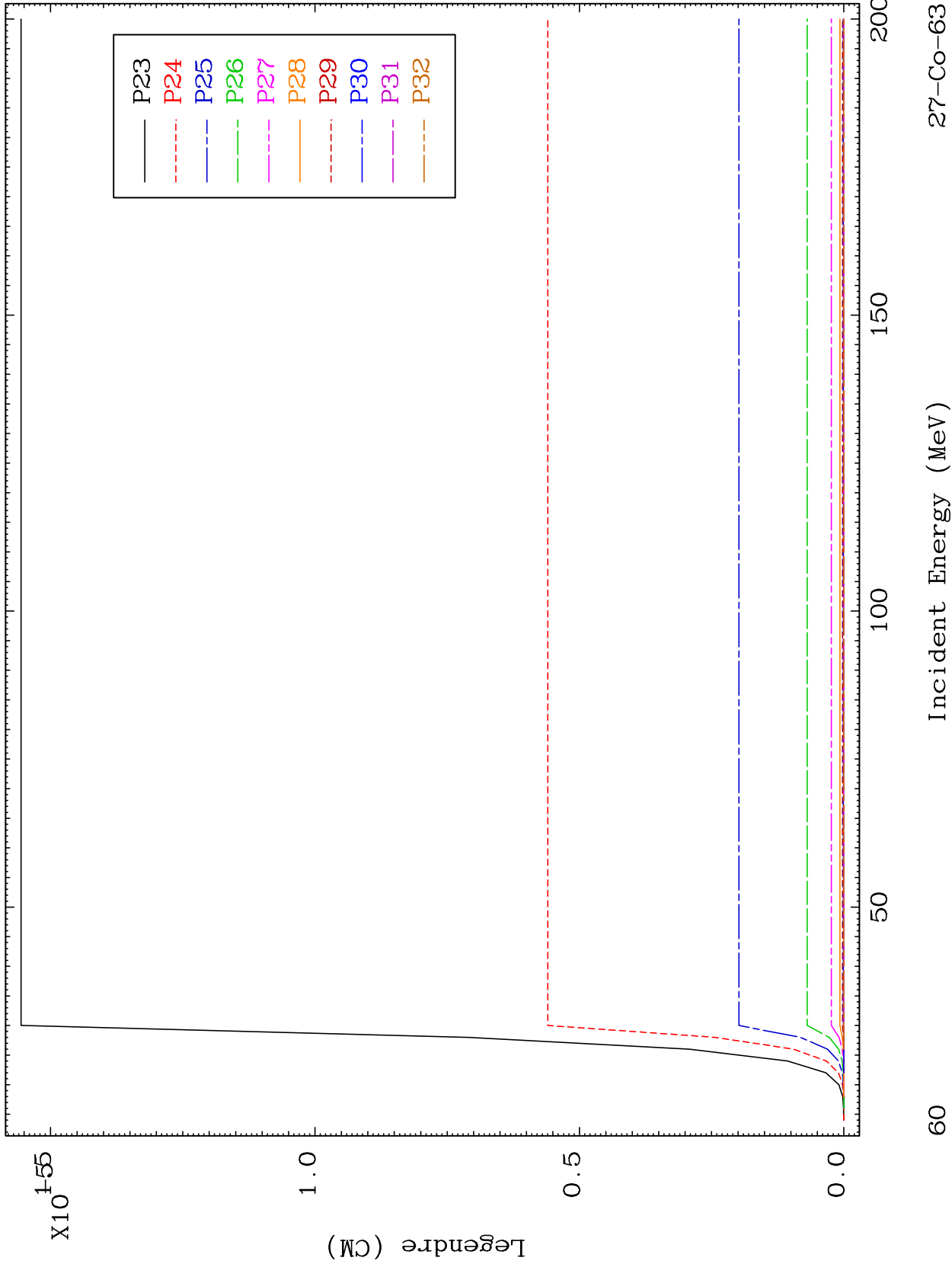
27-Co-63



MAT 2737

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

27-Co-63



27-Co-63

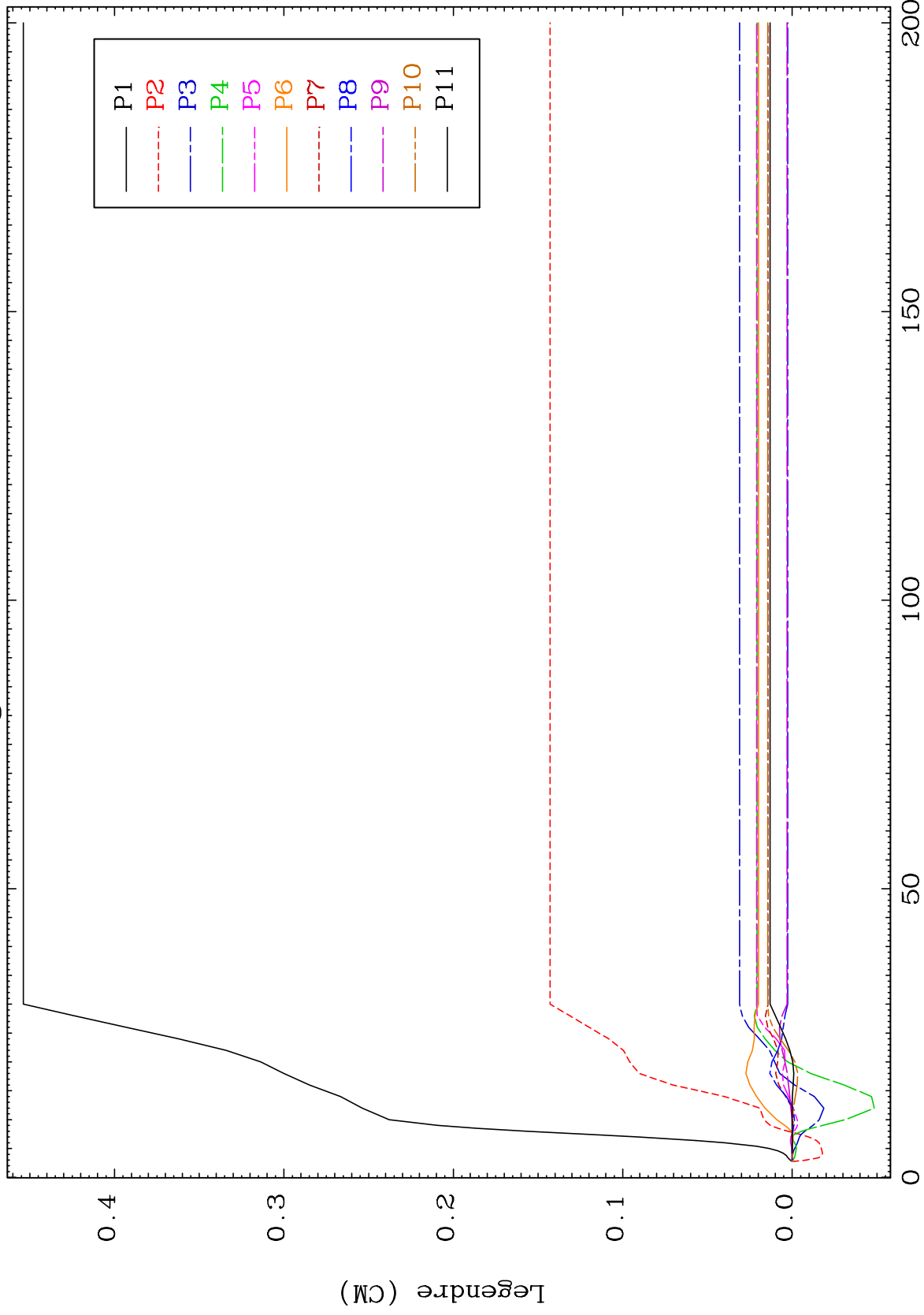
Incident Energy (MeV)

60

MAT 2737

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

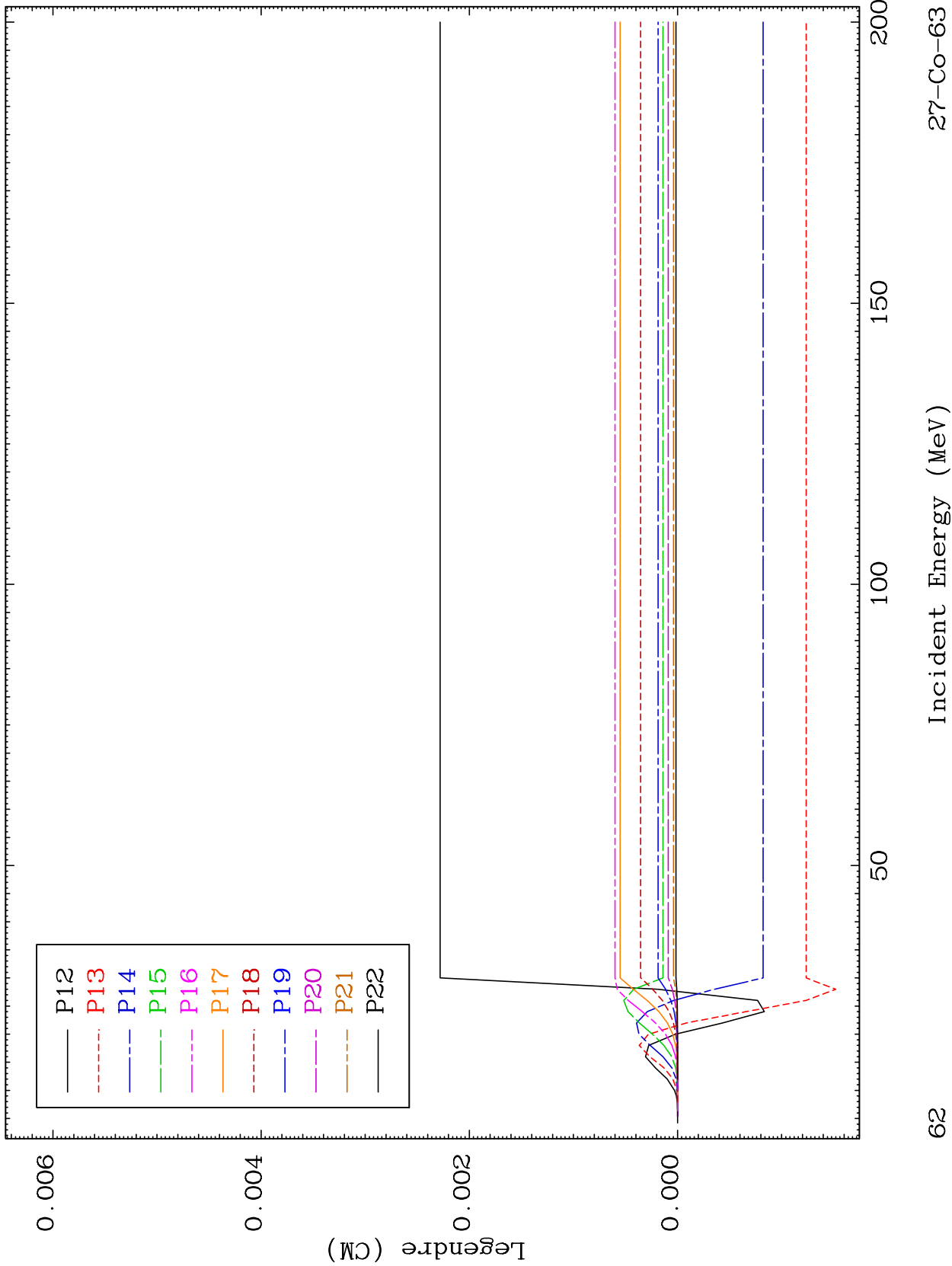
27-Co-63



61

Incident Energy (MeV)

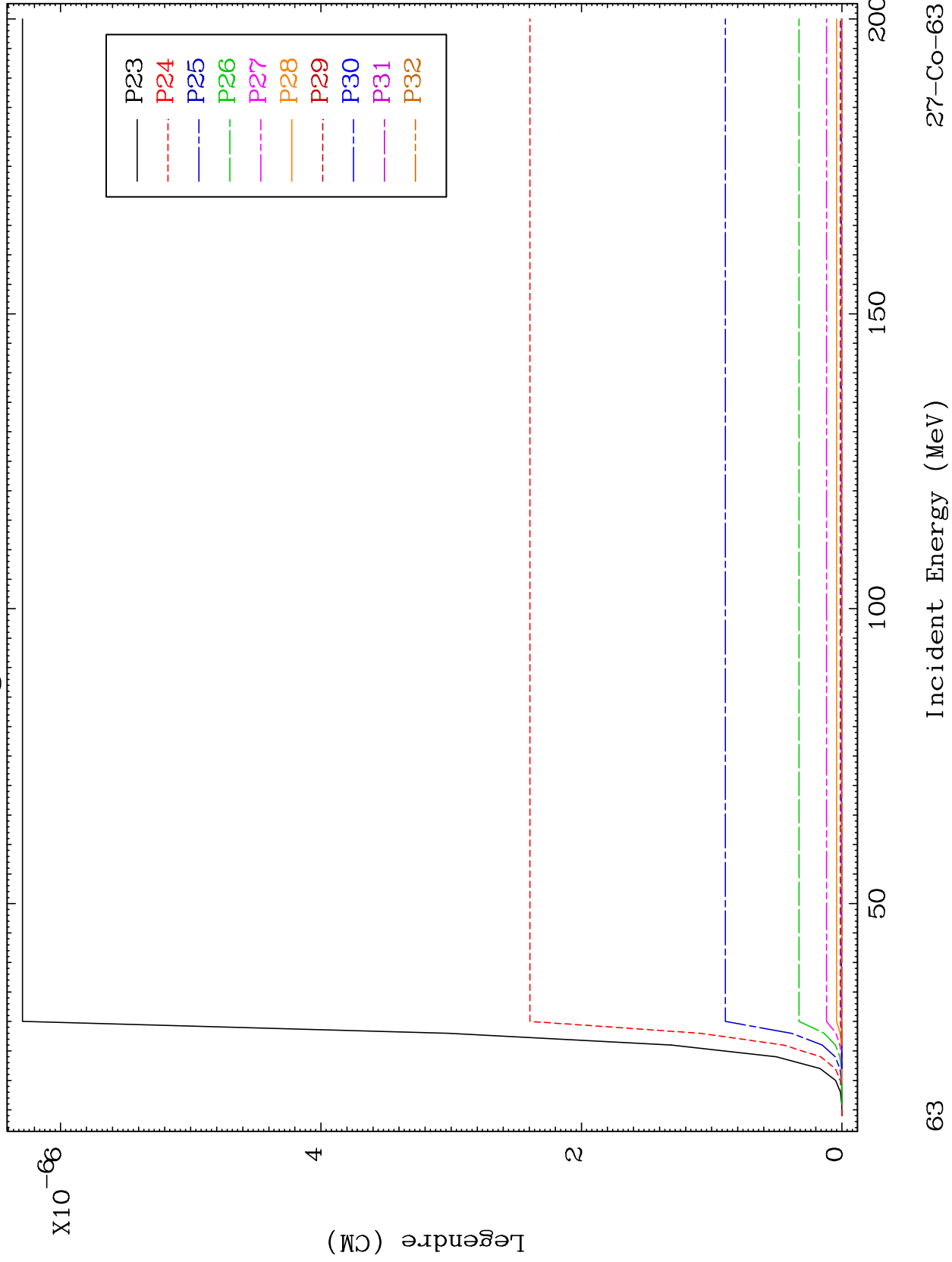
27-Co-63



MAT 2737

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

27-Co-63



63

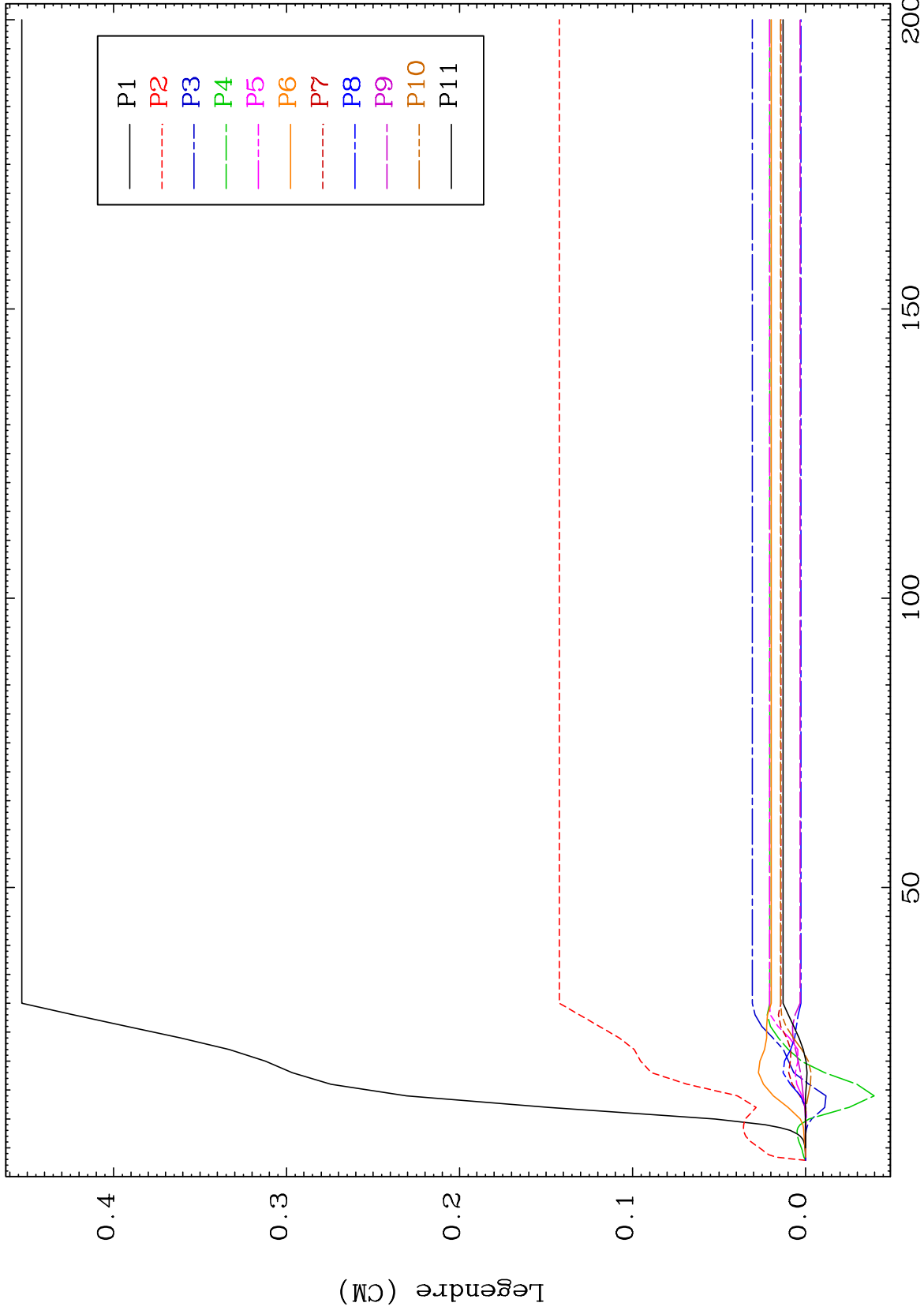
Incident Energy (MeV)

27-Co-63

MAT 2737

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

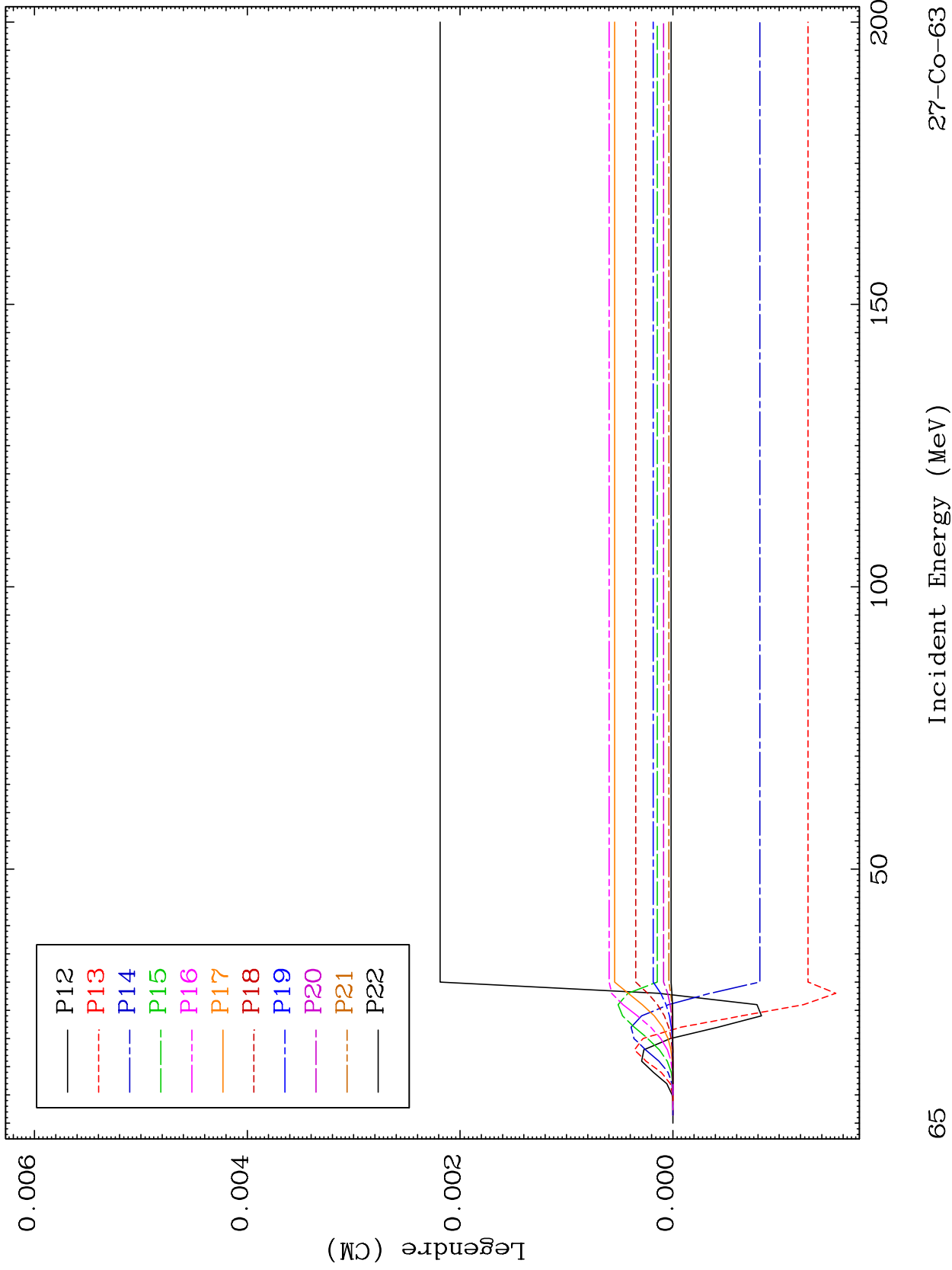
27-Co-63



64

Incident Energy (MeV)

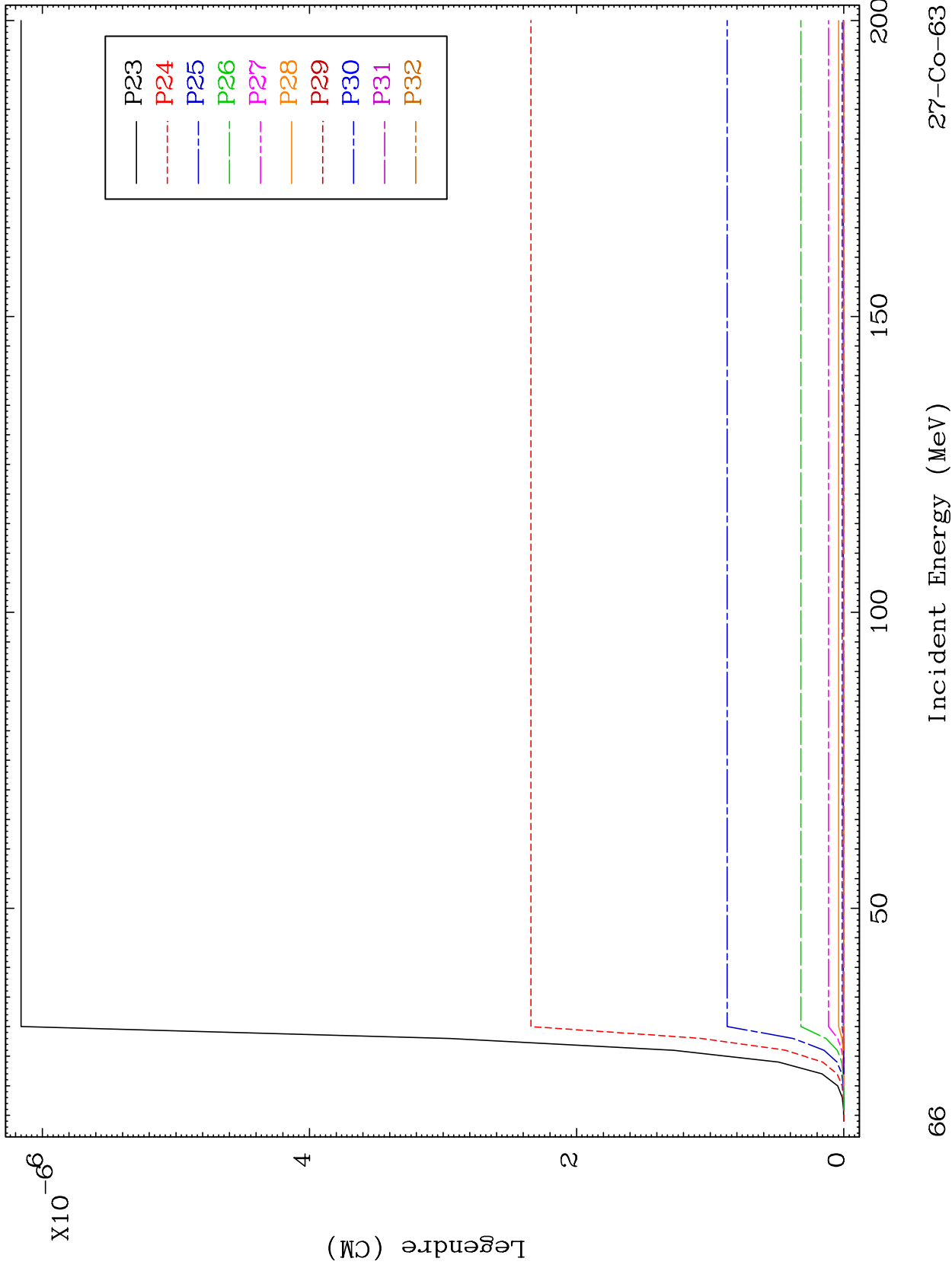
27-Co-63



MAT 2737

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

27-Co-63



66

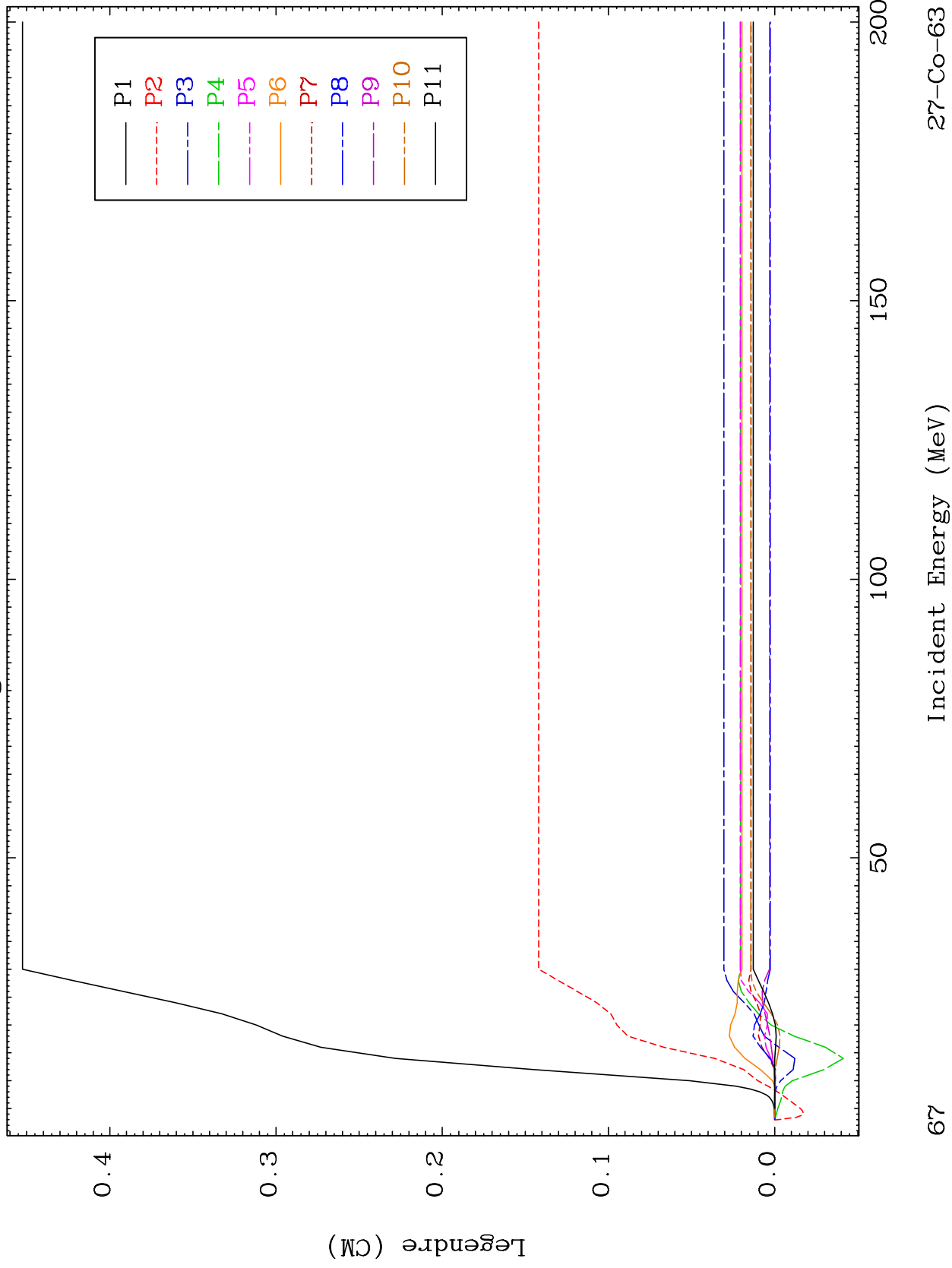
Incident Energy (MeV)

27-Co-63

MAT 2737

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

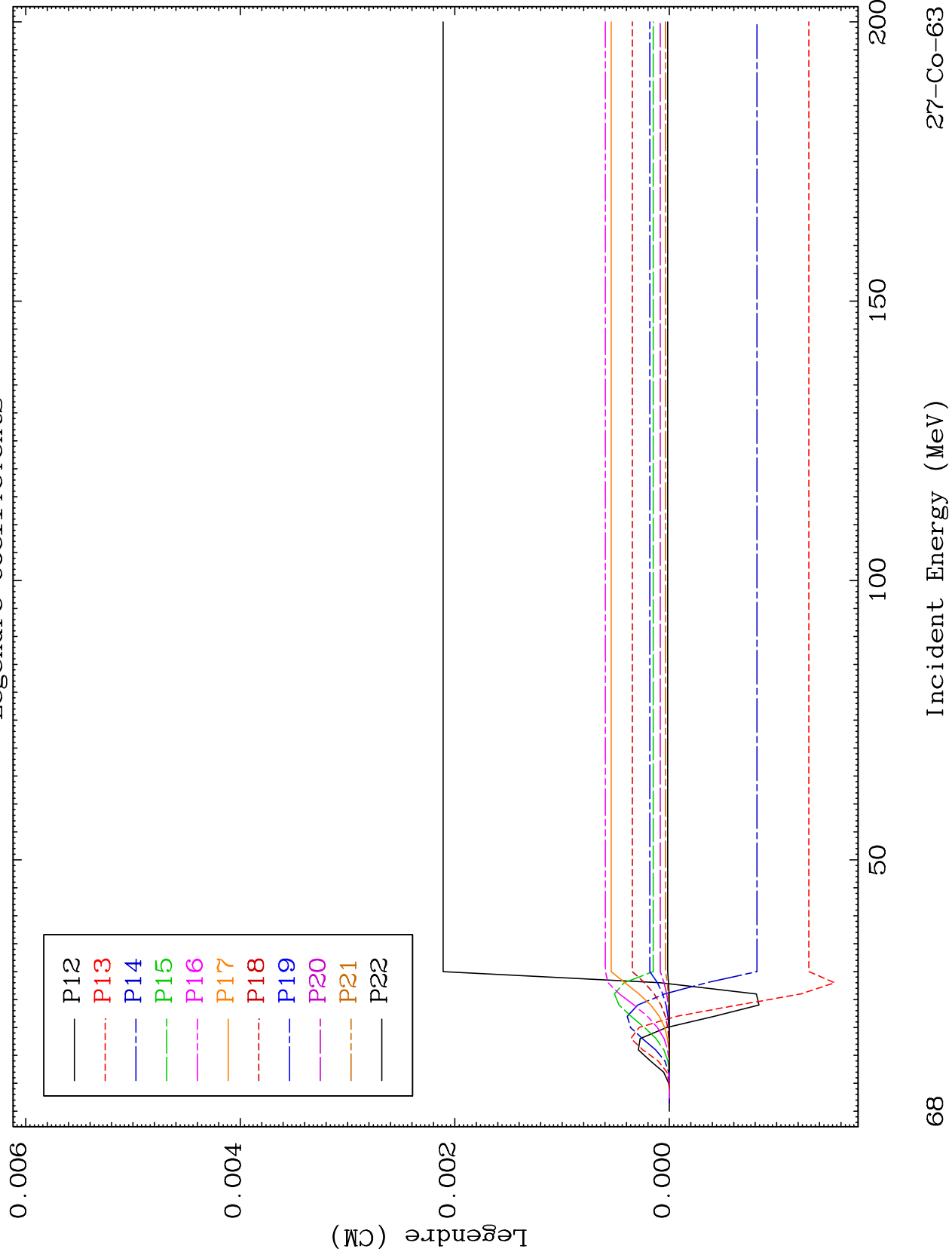
27-Co-63



MAT 2737

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

27-Co-63



68

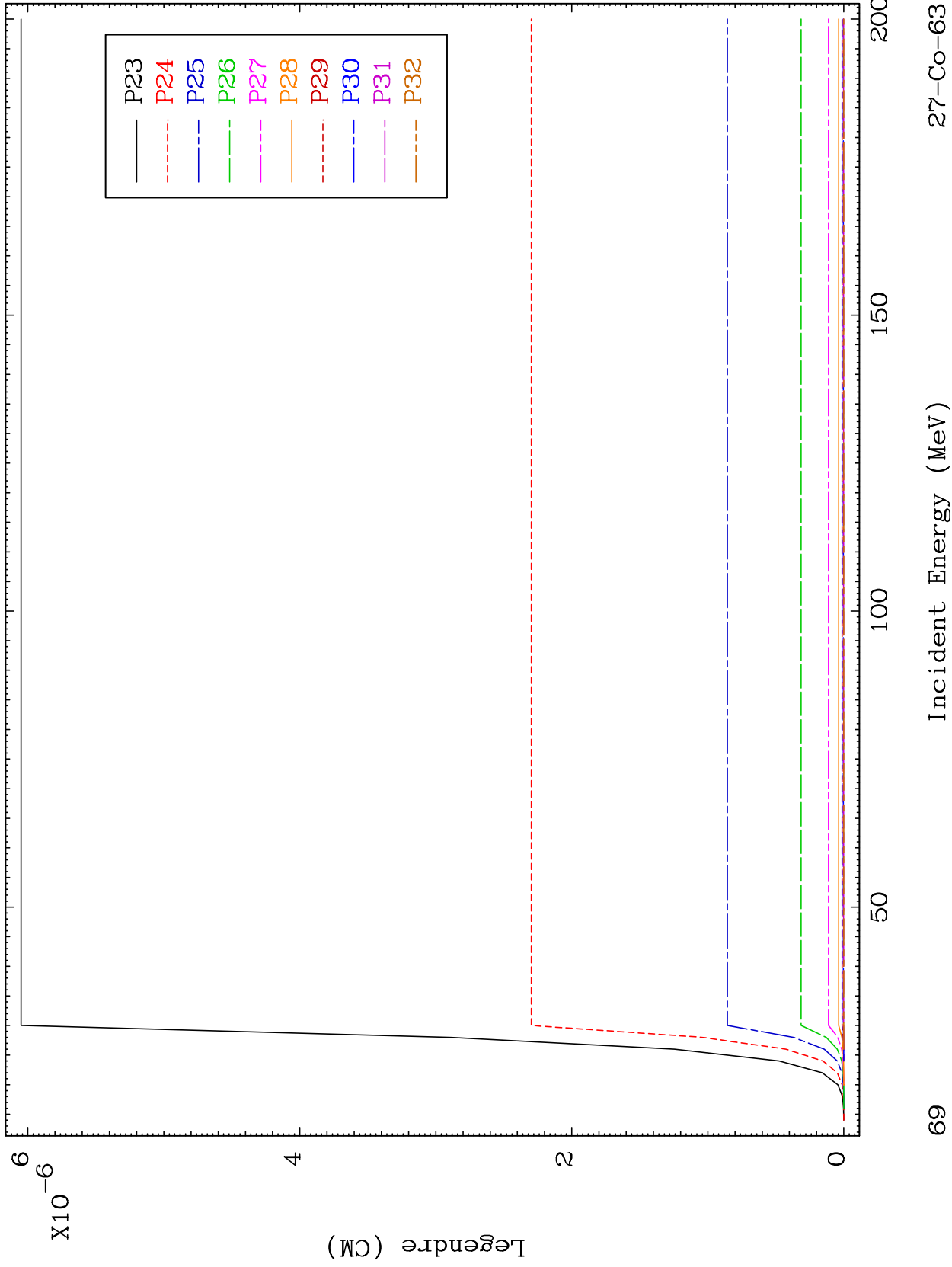
Incident Energy (MeV)

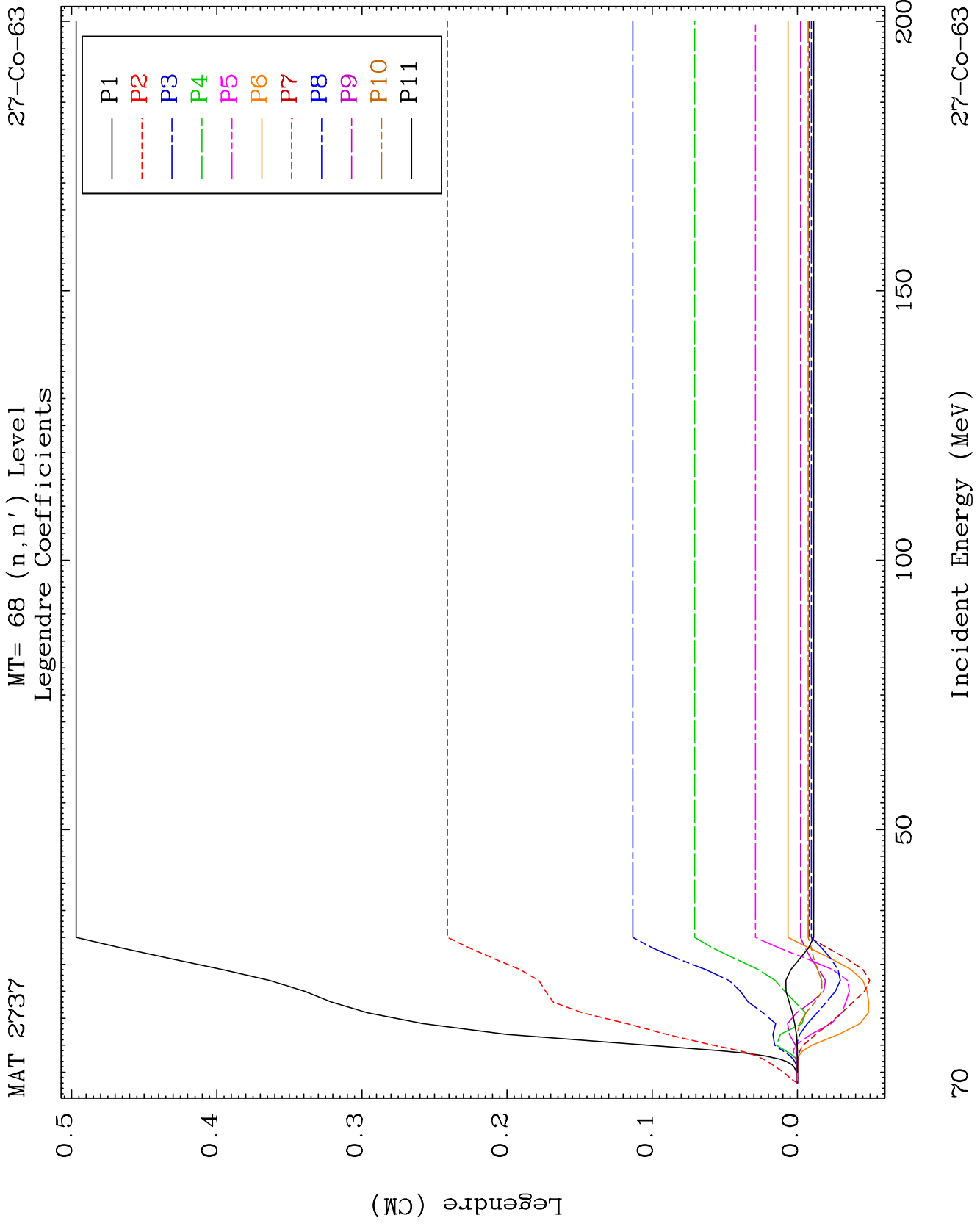
27-Co-63

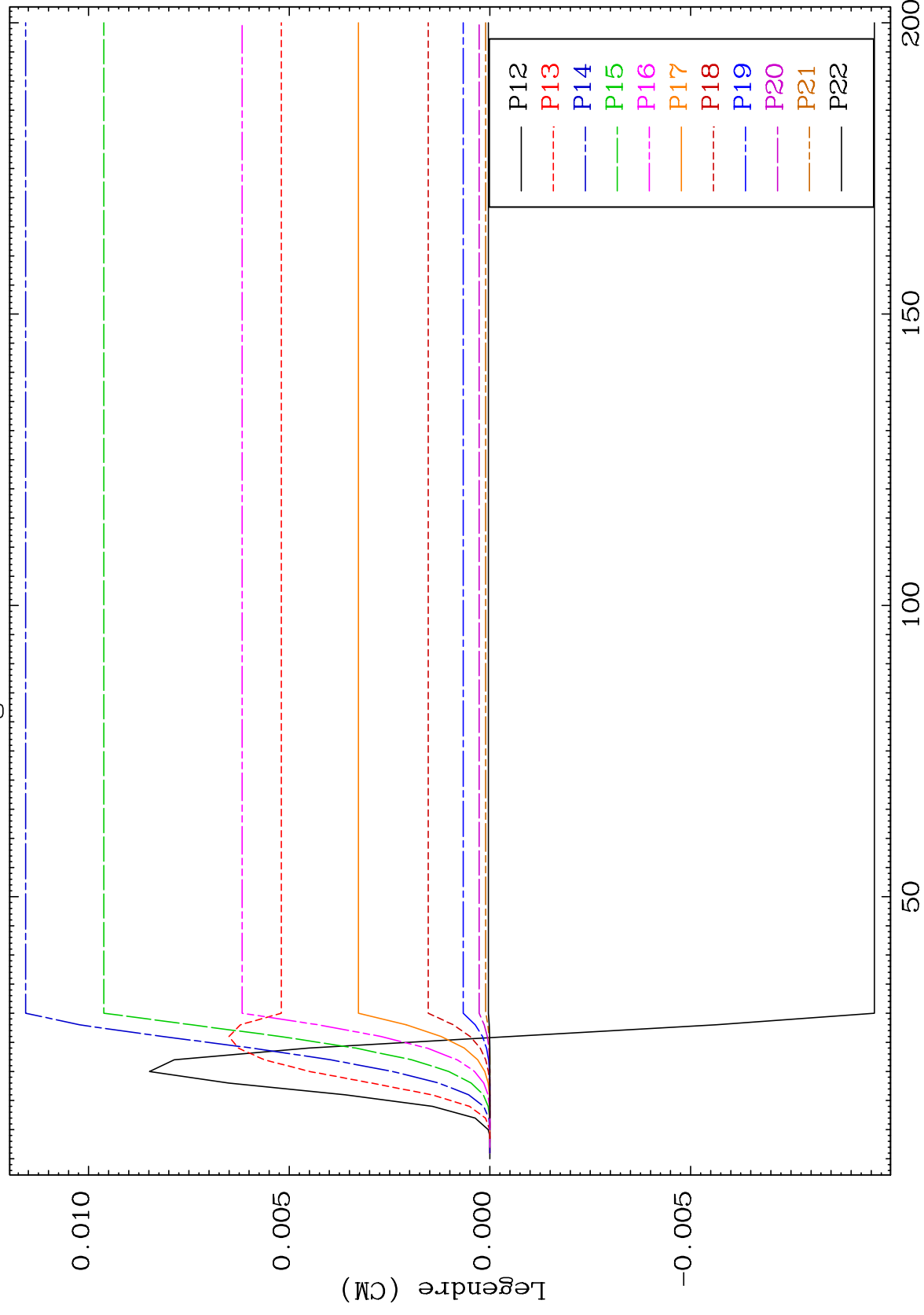
MAT 2737

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

27-Co-63



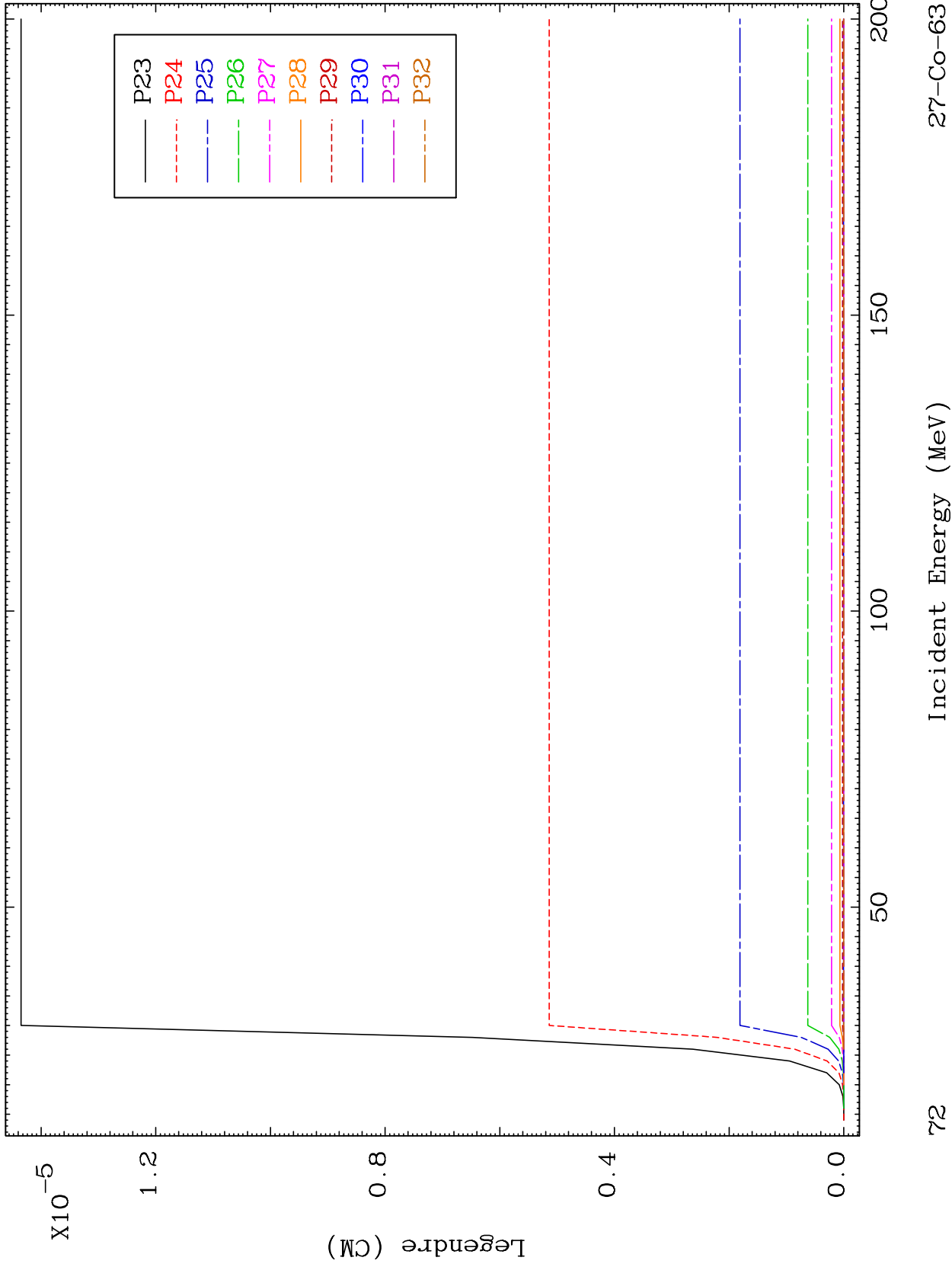




MAT 2737

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

27-Co-63



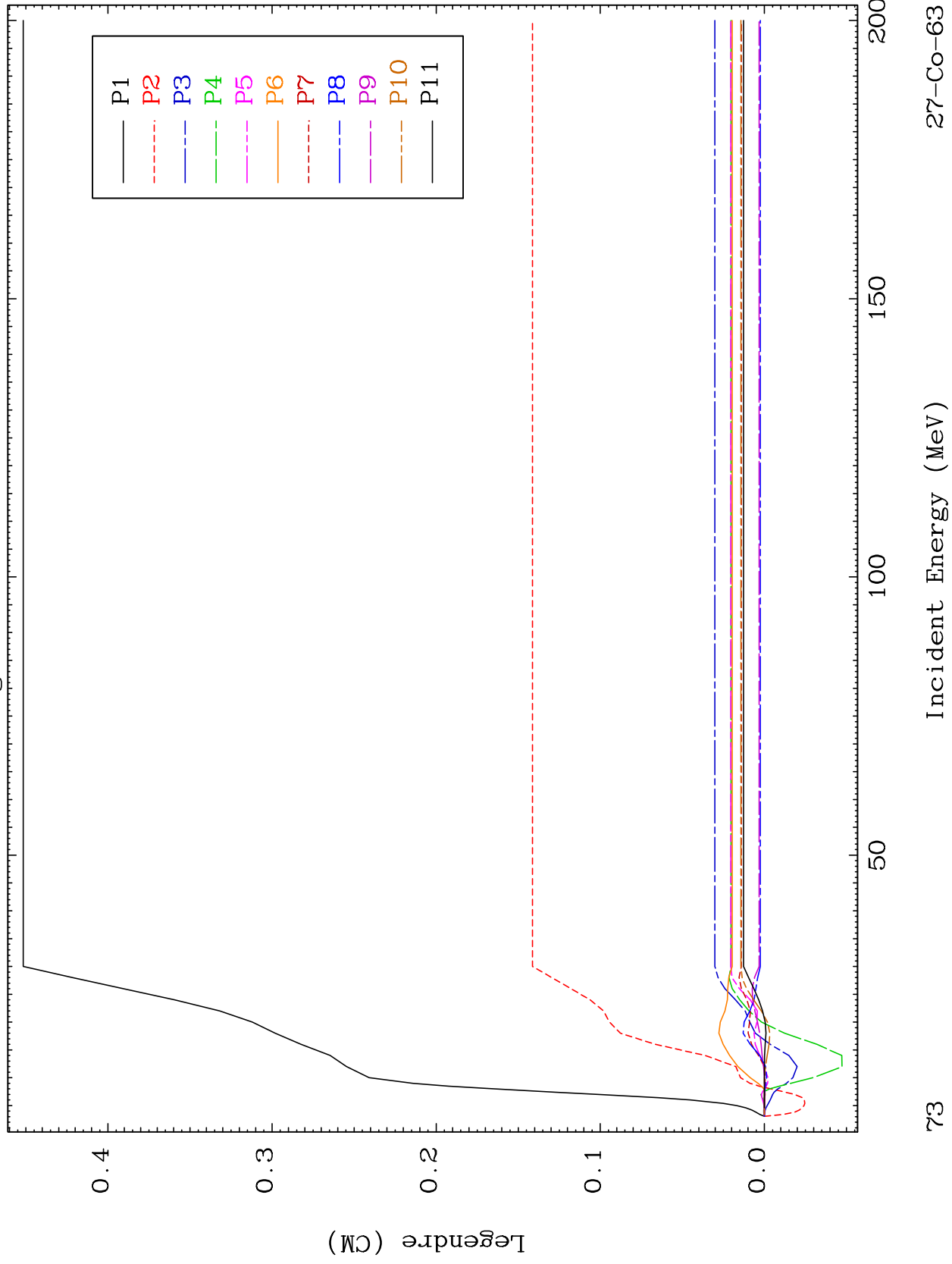
72

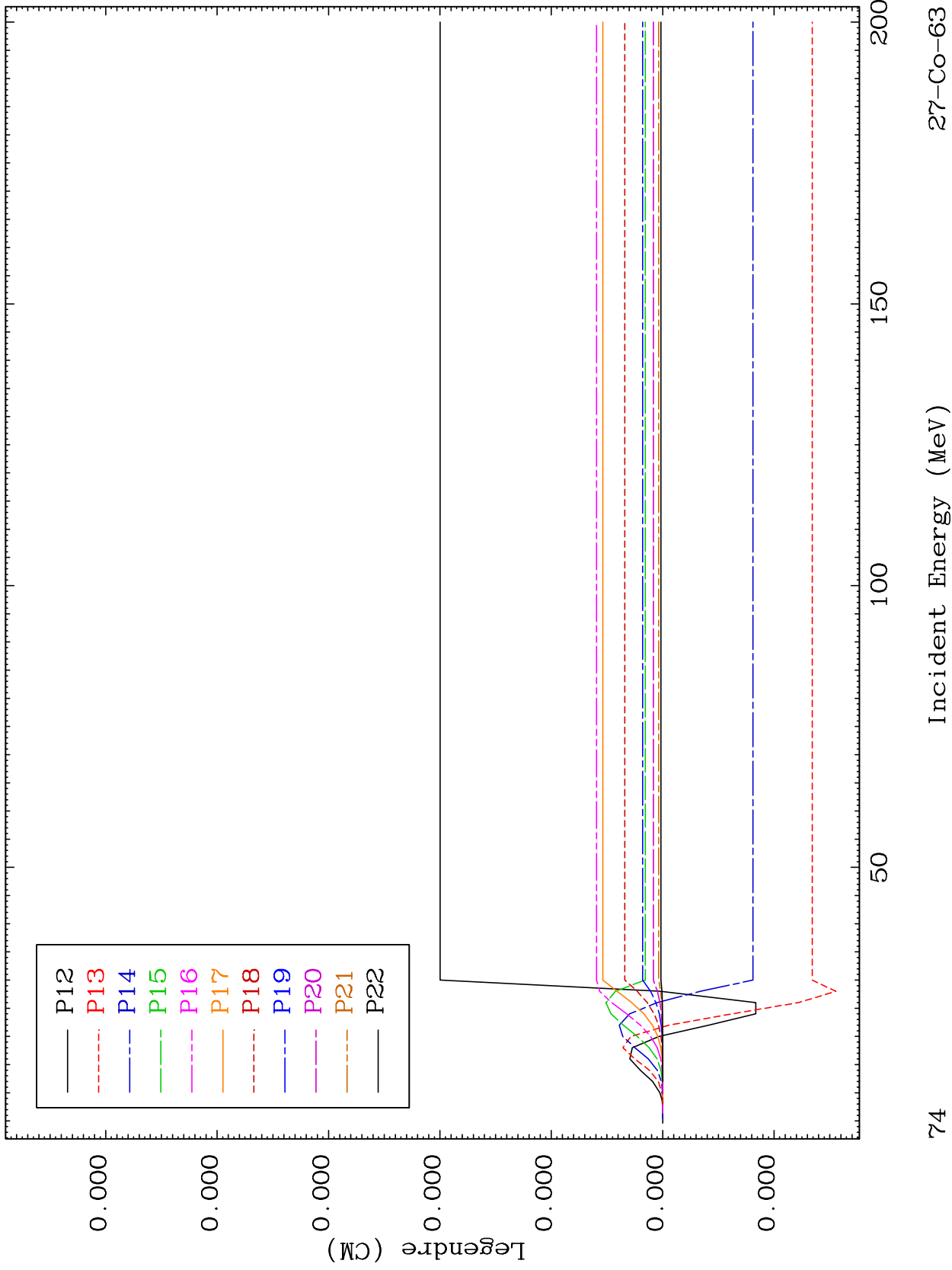
27-Co-63

MAT 2737

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

27-Co-63

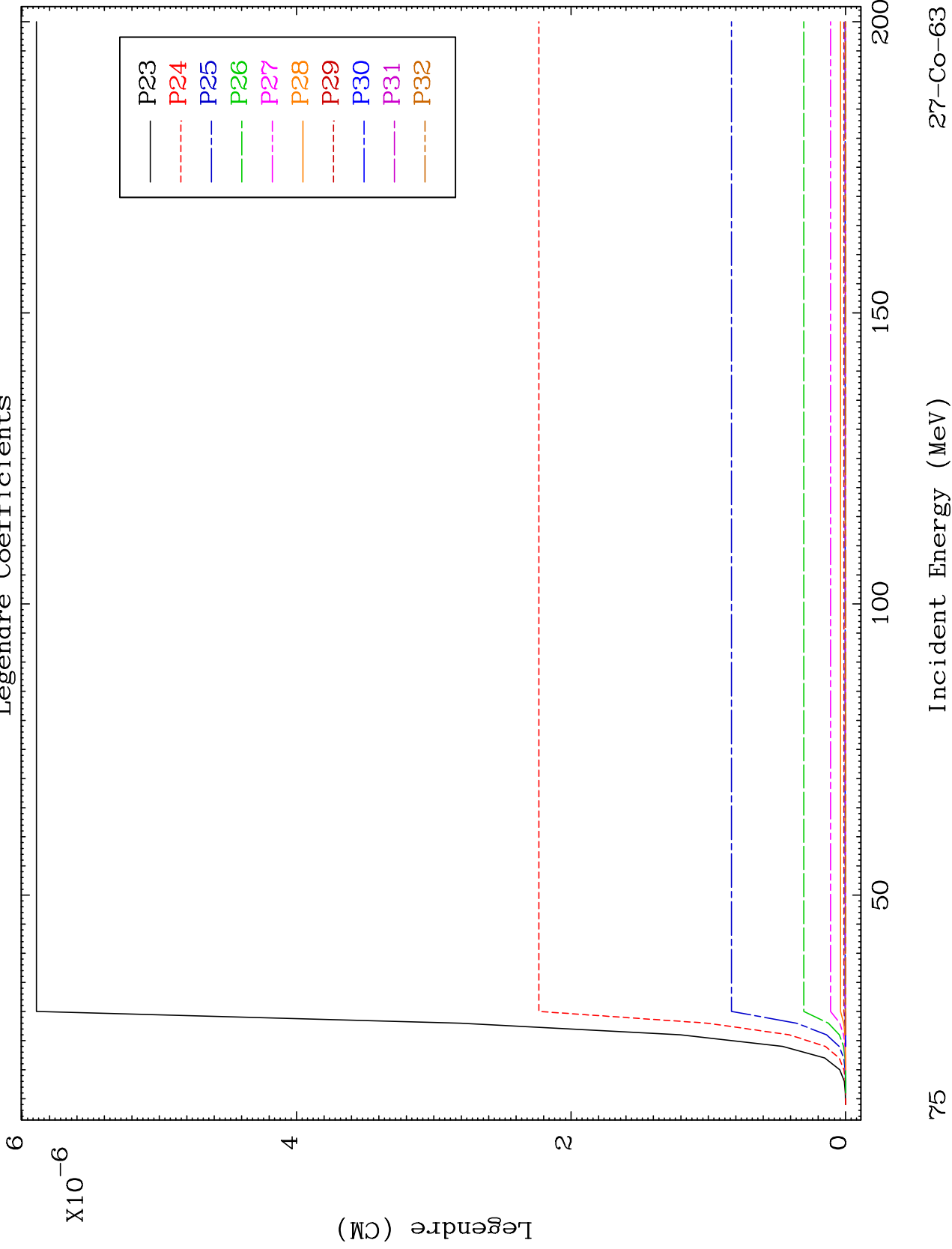




MAT 2737

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

27-Co-63



75

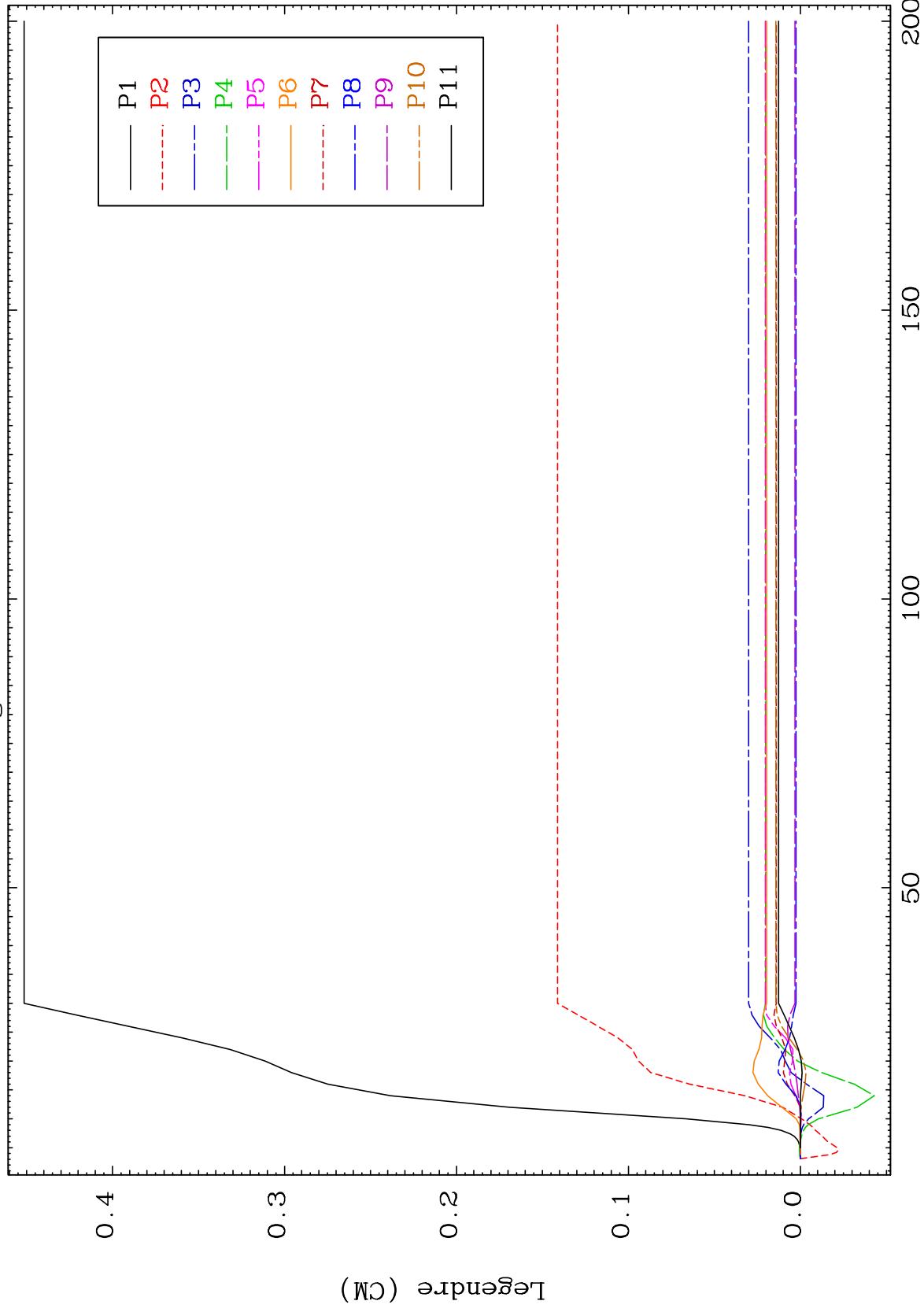
Incident Energy (MeV)

27-Co-63

MAT 2737

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

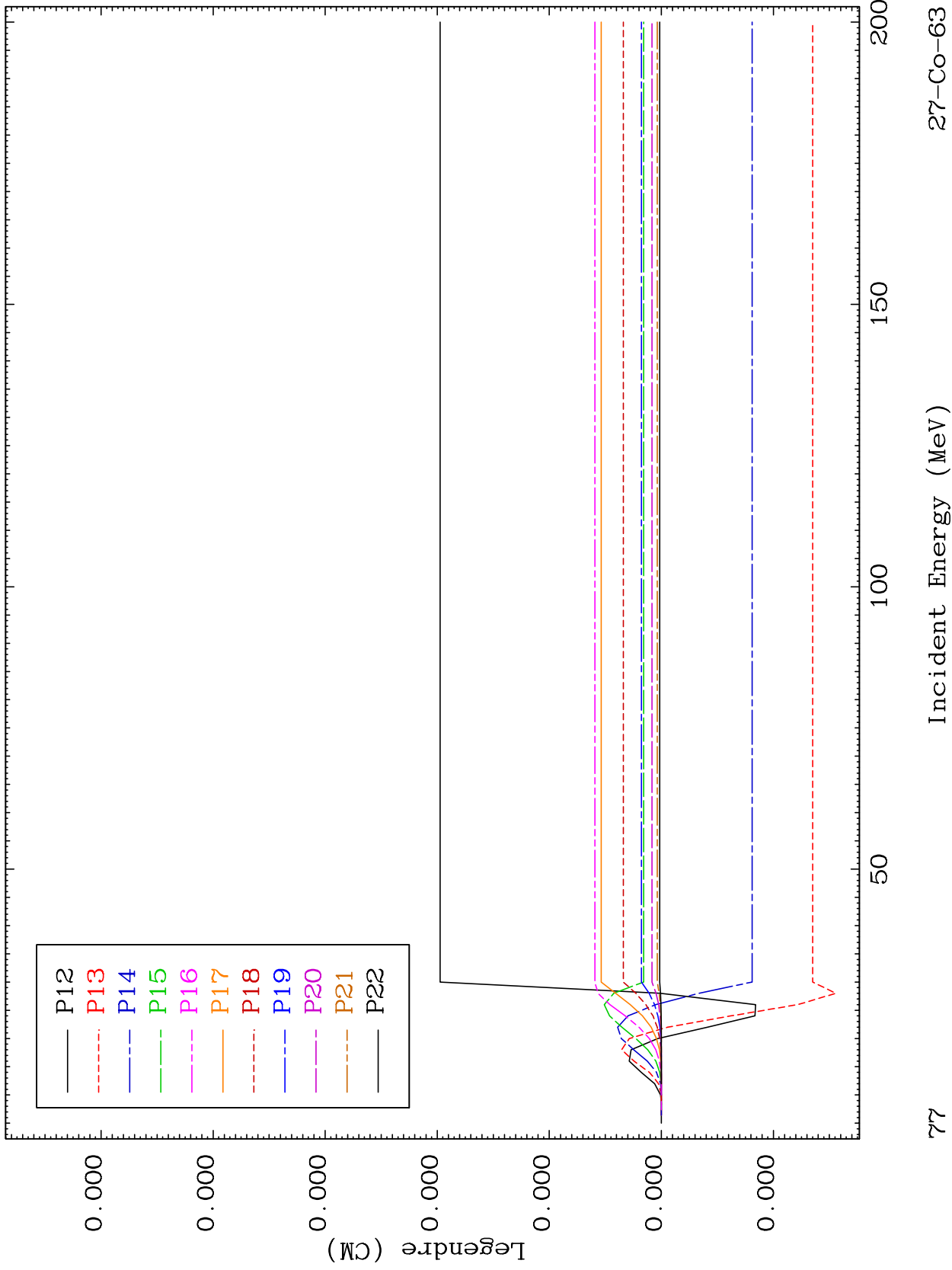
27-Co-63



76

Incident Energy (MeV)

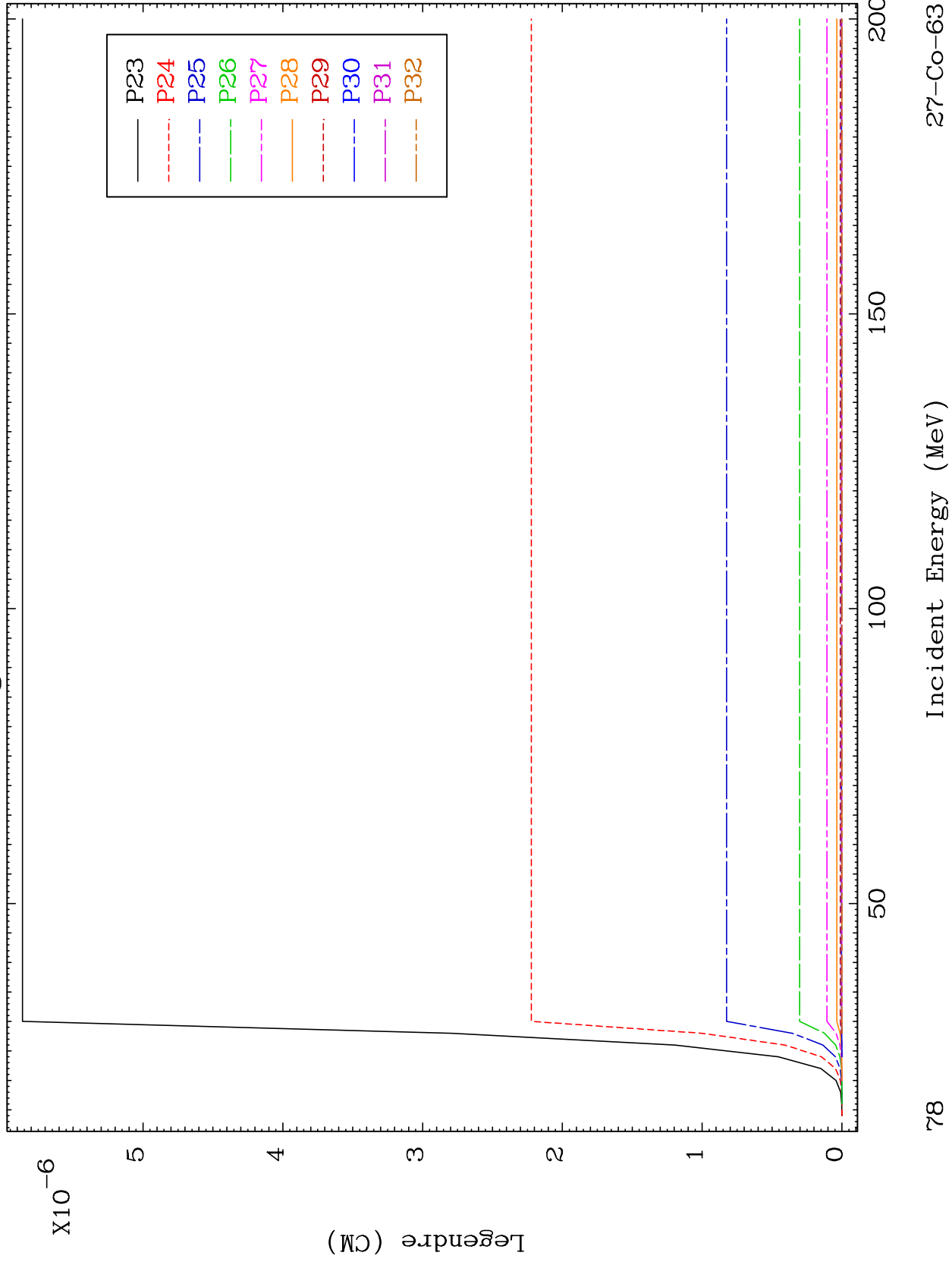
27-Co-63



MAT 2737

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

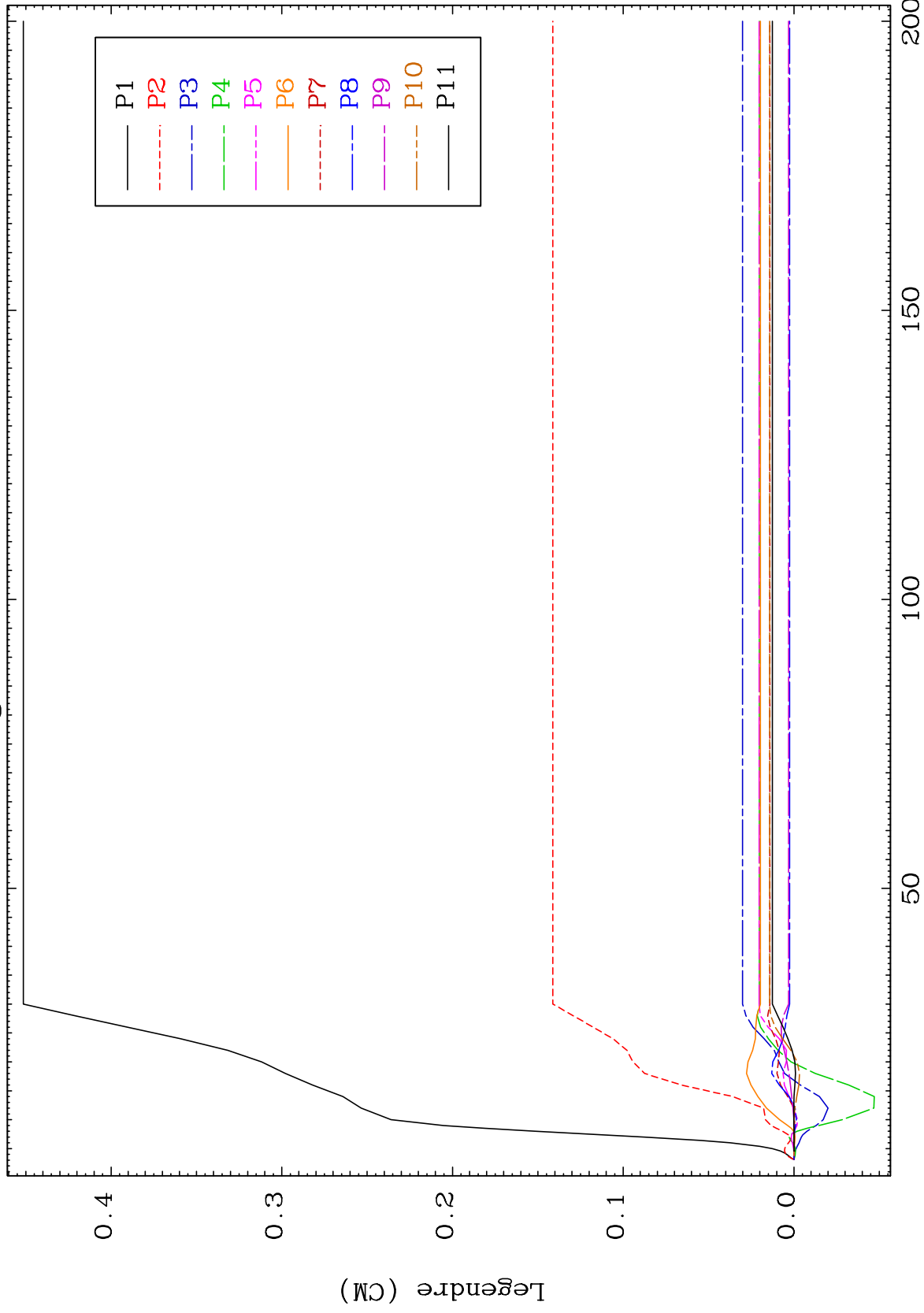
27-Co-63



MAT 2737

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

27-Co-63



79

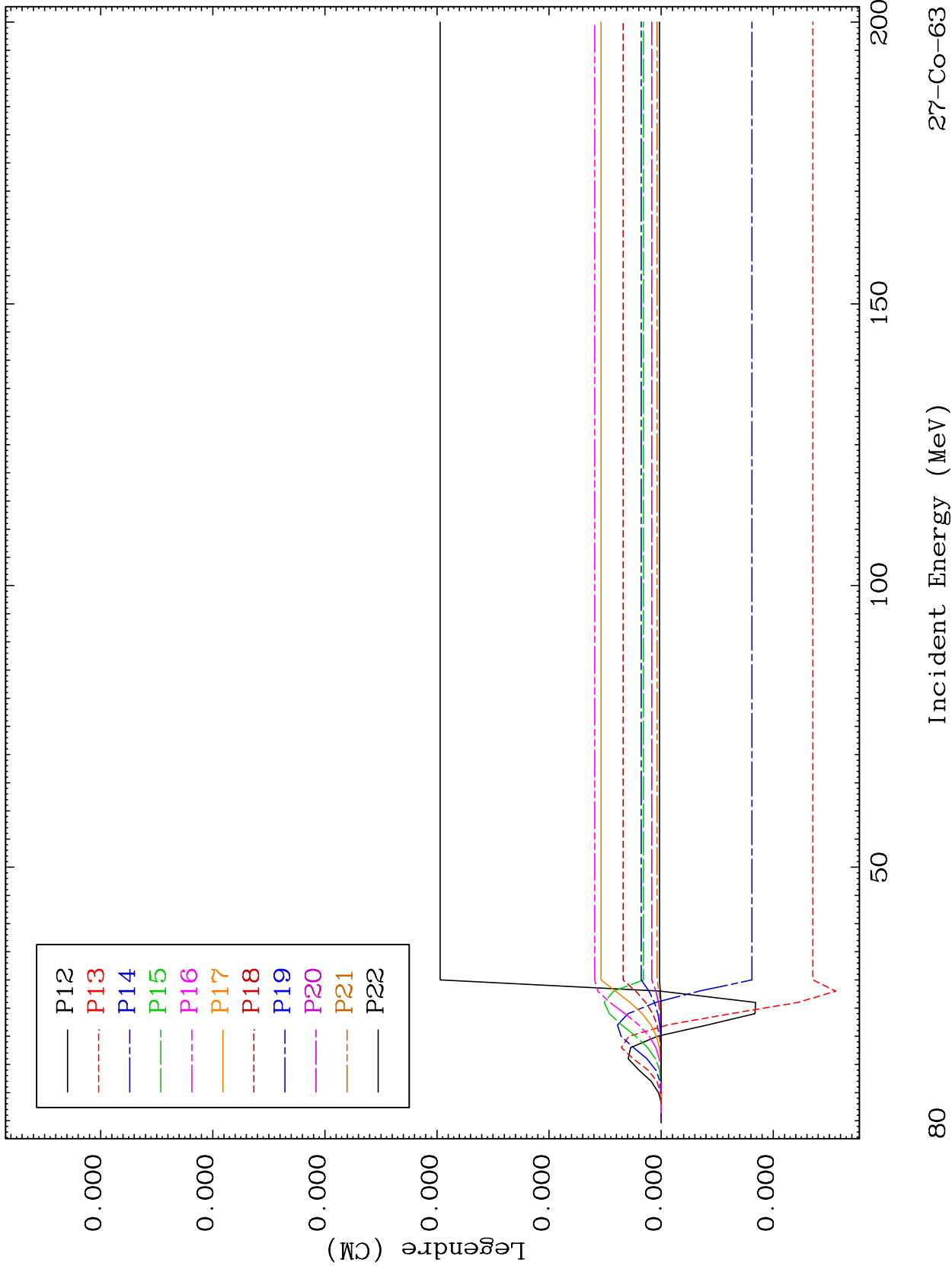
Incident Energy (MeV)

27-Co-63

MAT 2737

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

27-Co-63



80

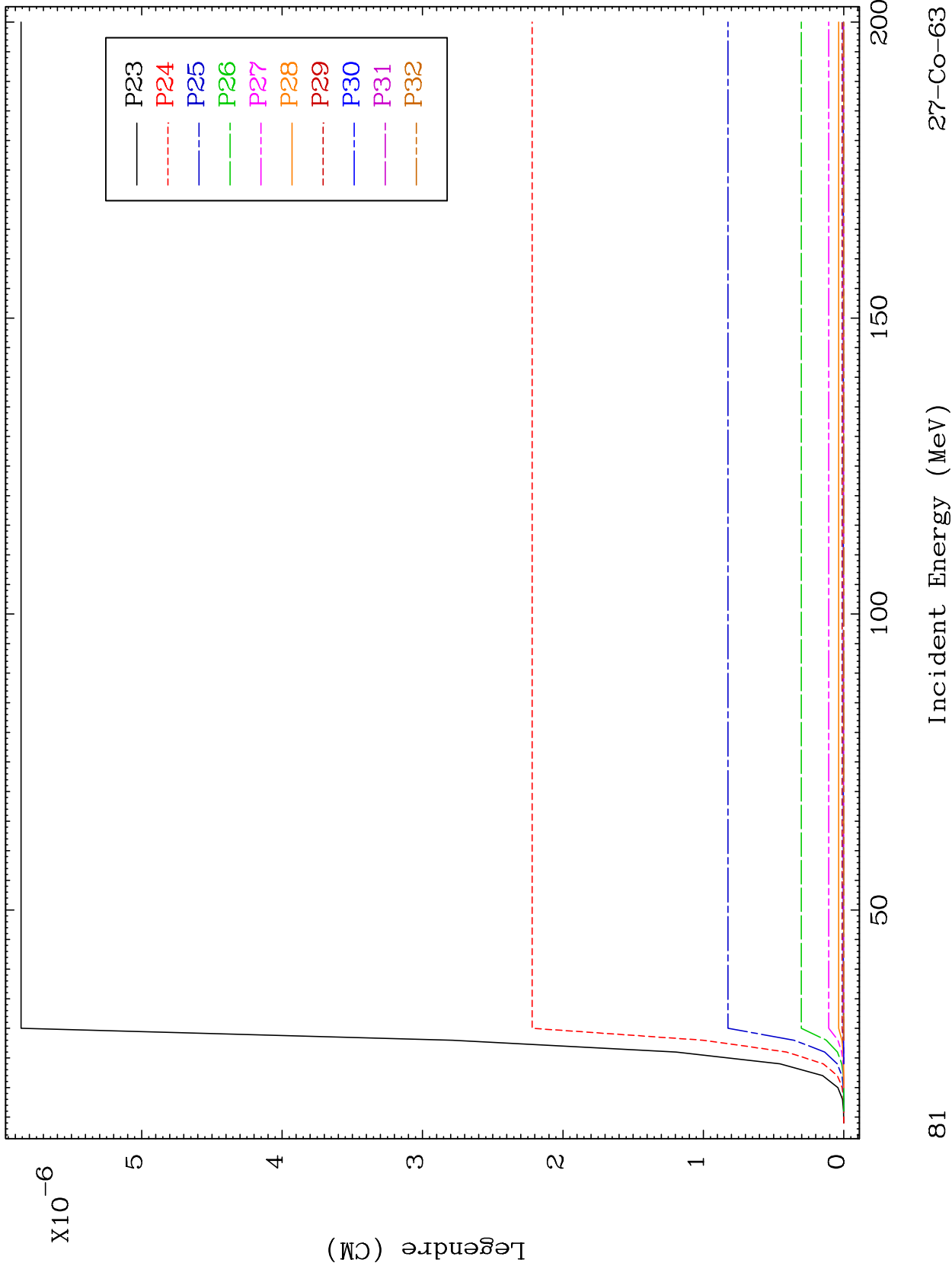
Incident Energy (MeV)

27-Co-63

MAT 2737

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

27-Co-63



81

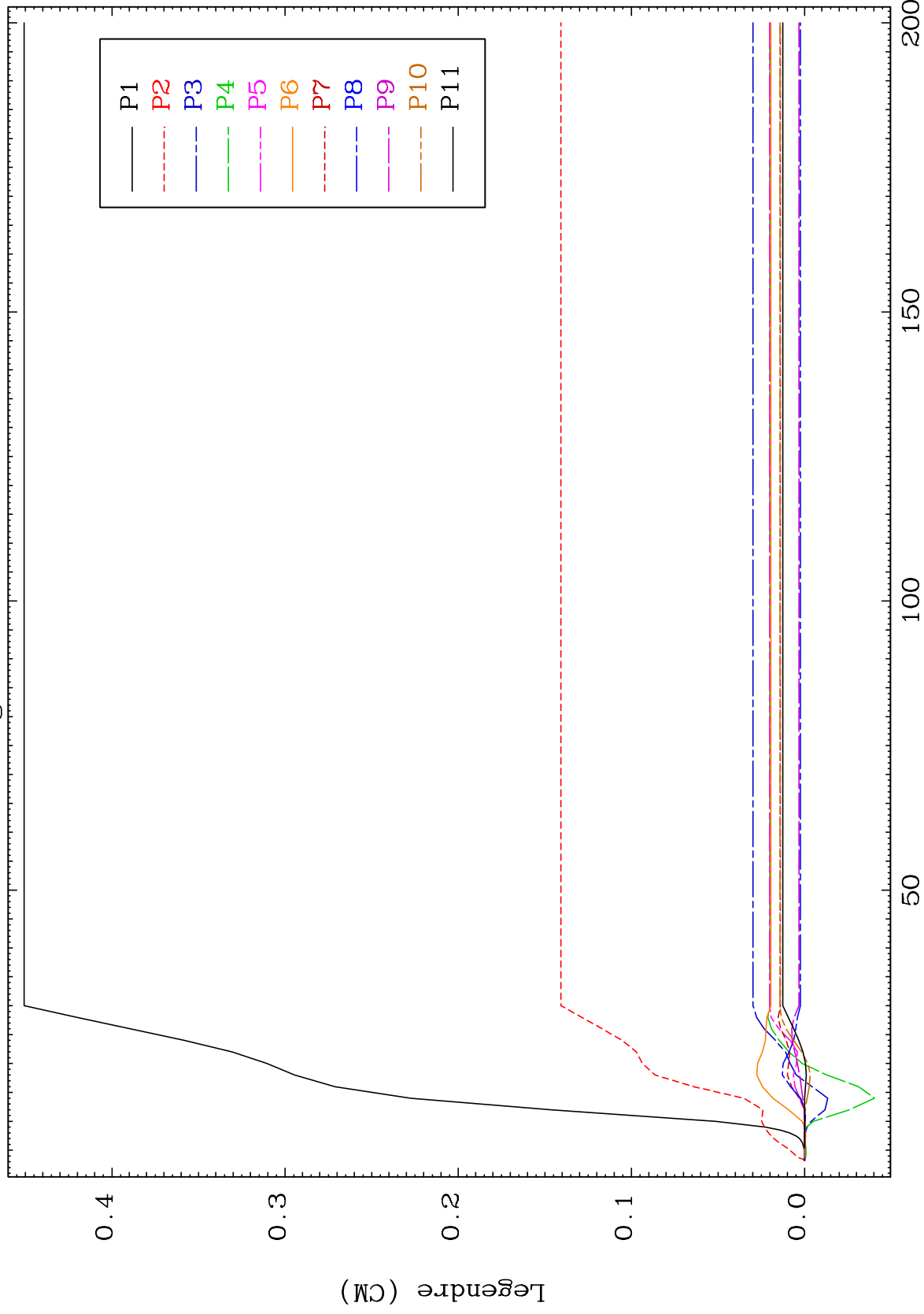
Incident Energy (MeV)

27-Co-63

MAT 2737

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

27-Co-63



82

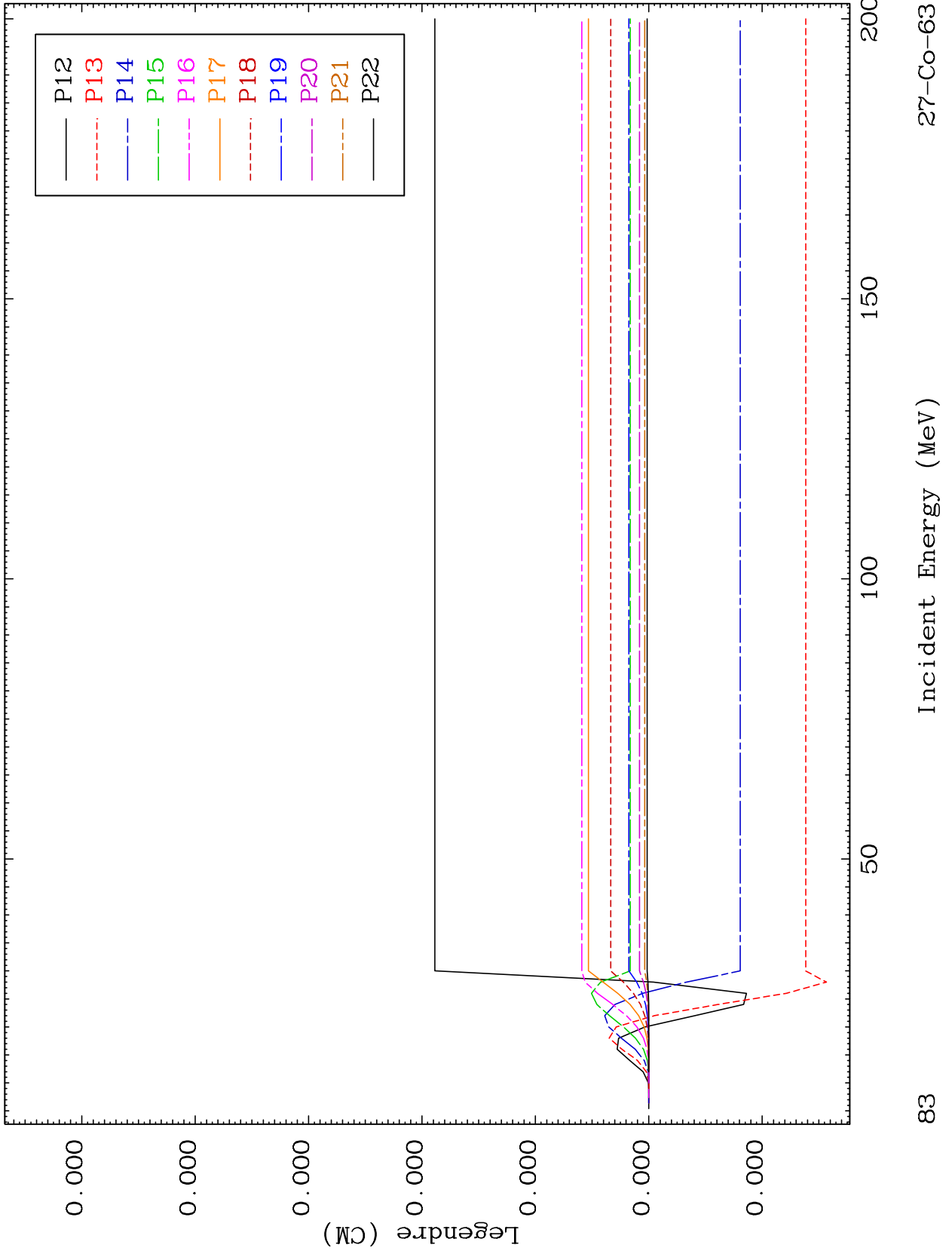
Incident Energy (MeV)

27-Co-63

MAT 2737

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

27-Co-63



83

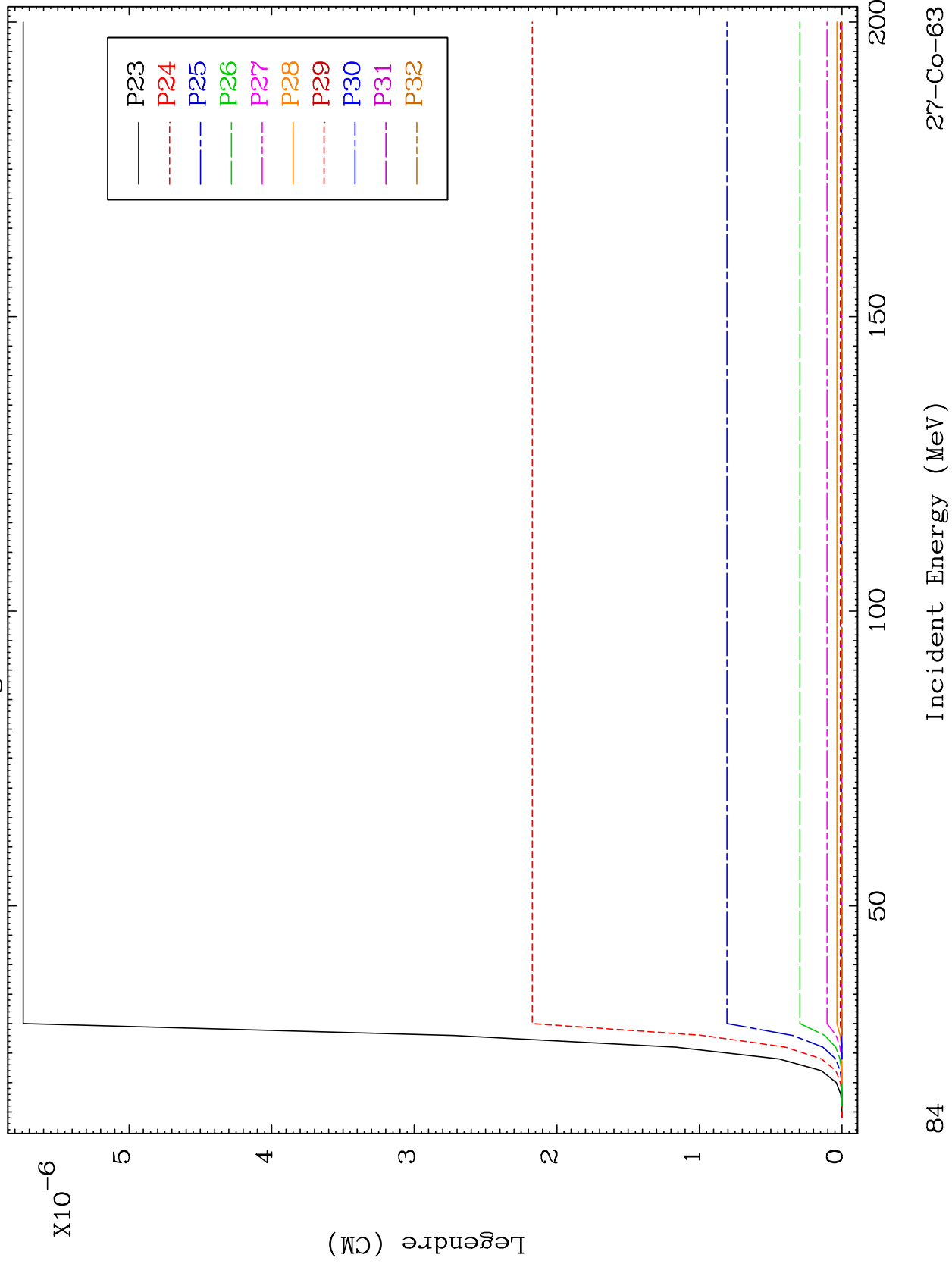
Incident Energy (MeV)

27-Co-63

MAT 2737

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

27-Co-63



84

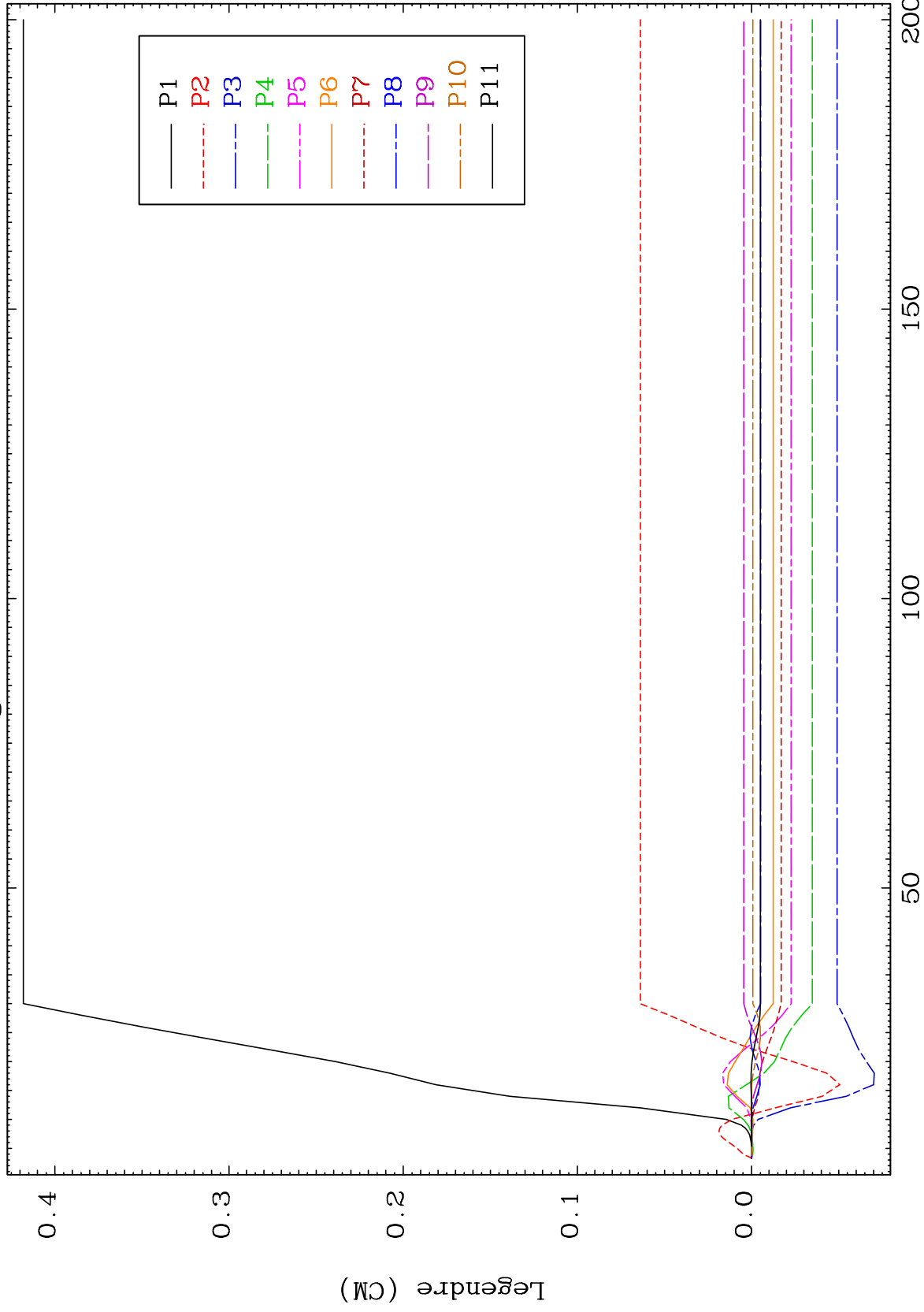
Incident Energy (MeV)

27-Co-63

MAT 2737

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

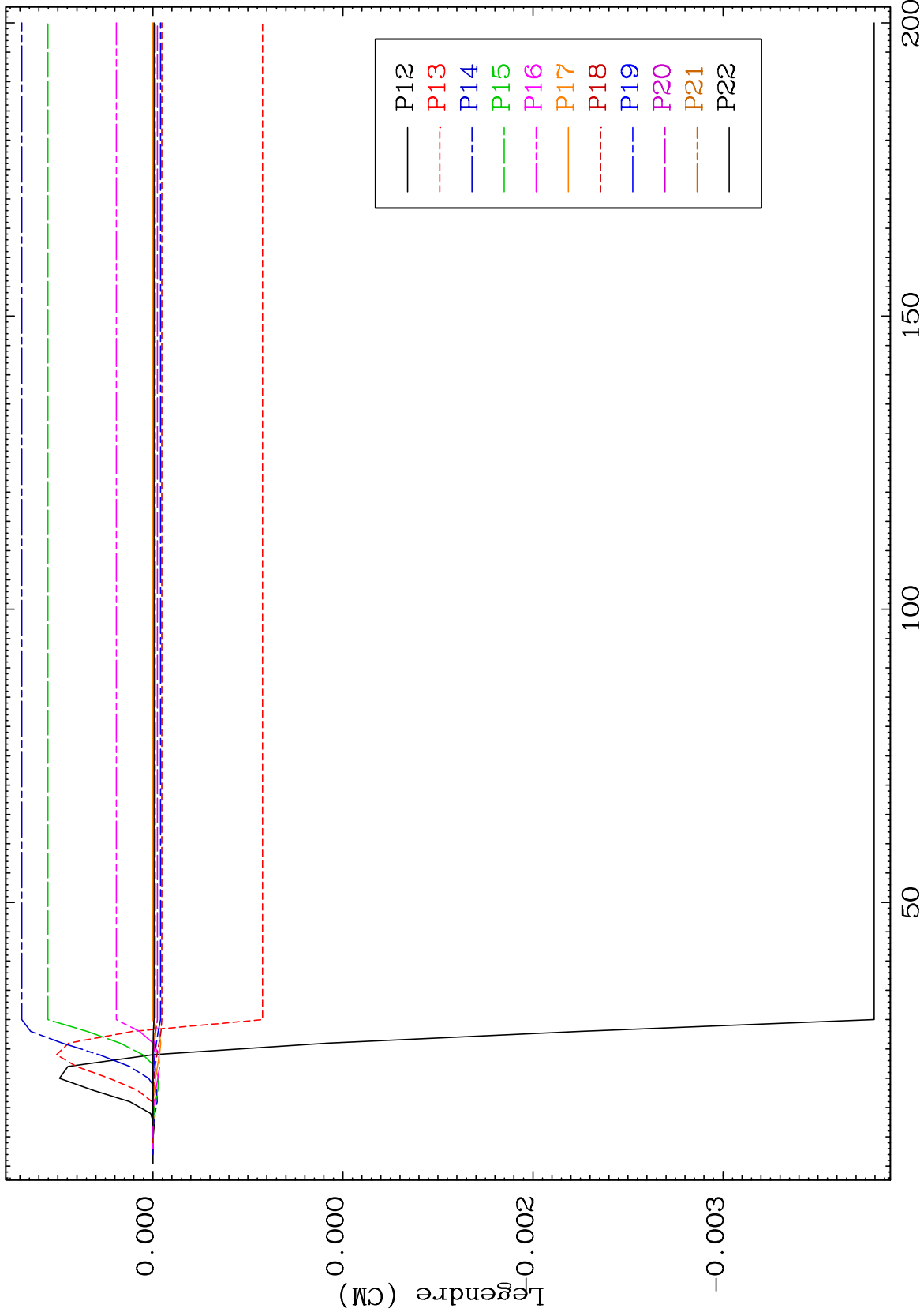
27-Co-63



85

Incident Energy (MeV)

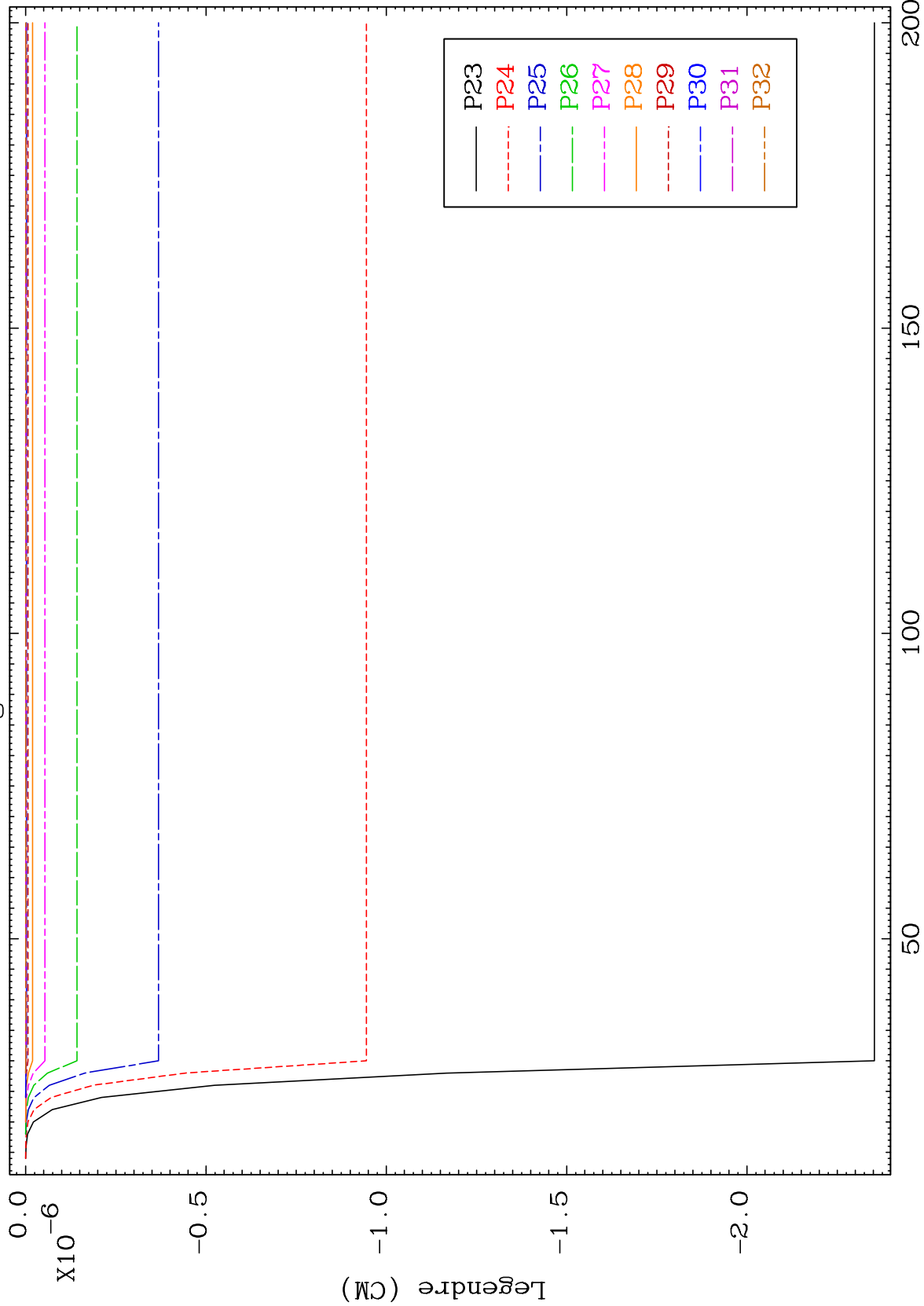
27-Co-63



MAT 2737

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

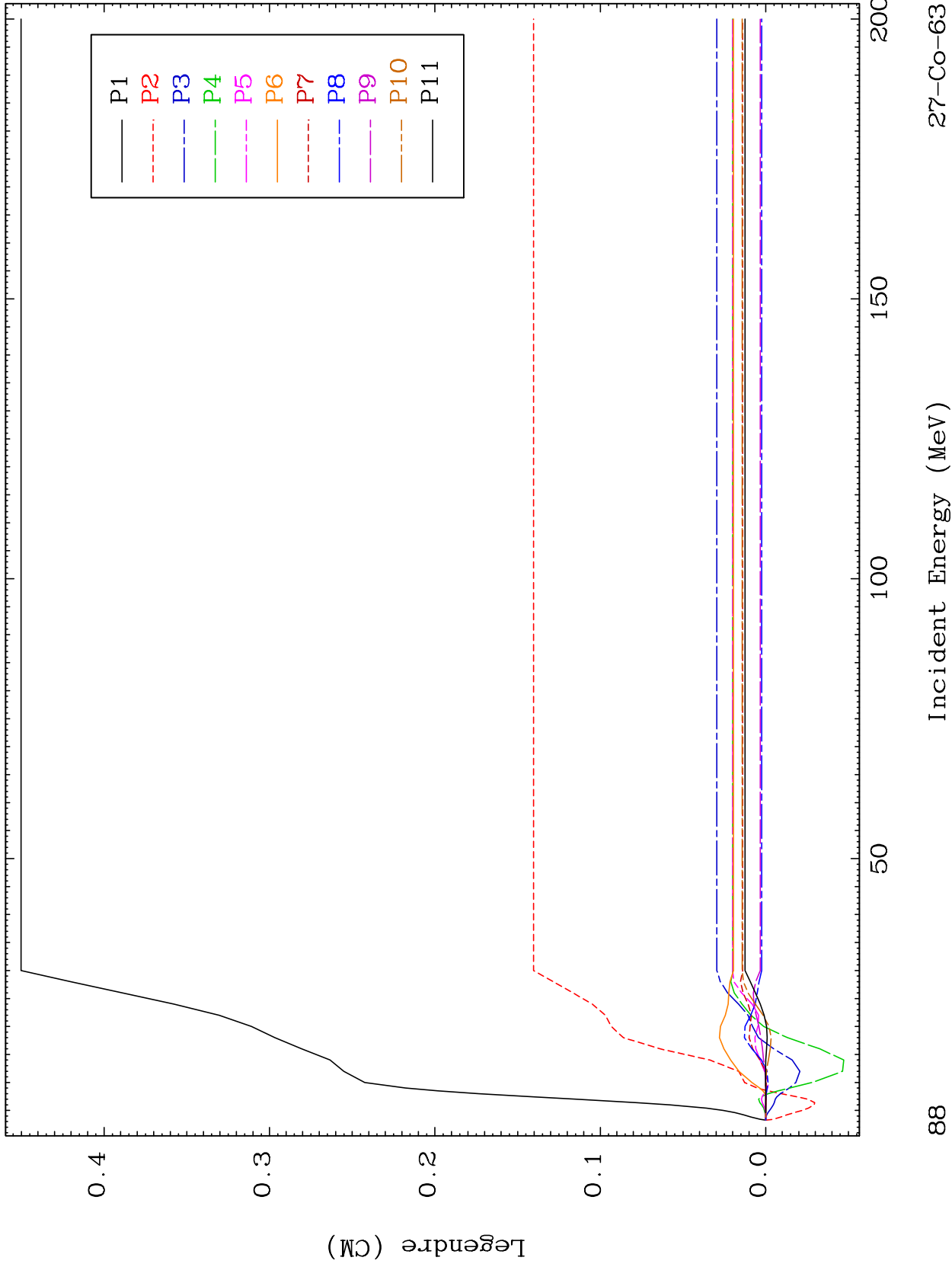
27-Co-63

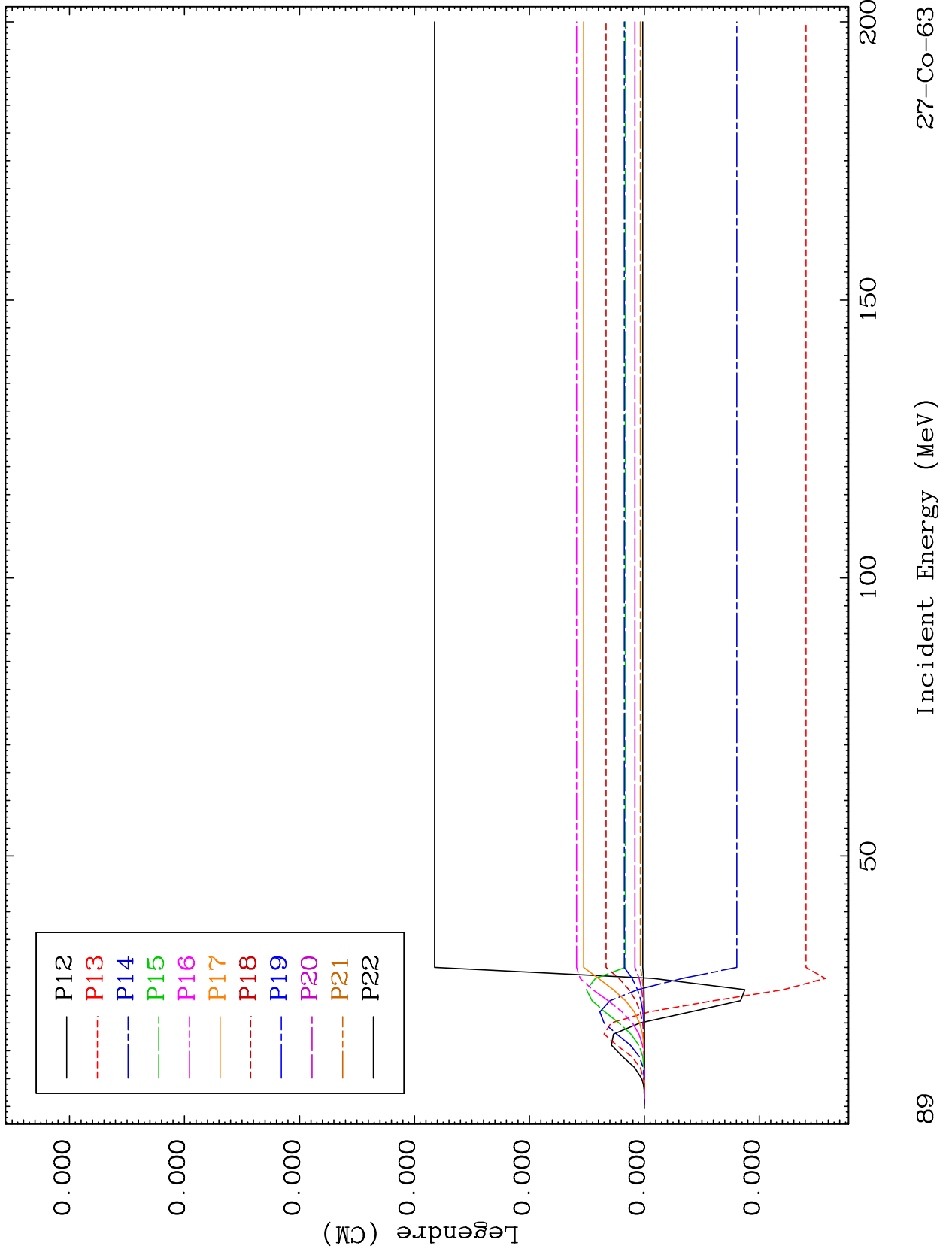


87

Incident Energy (MeV)

27-Co-63

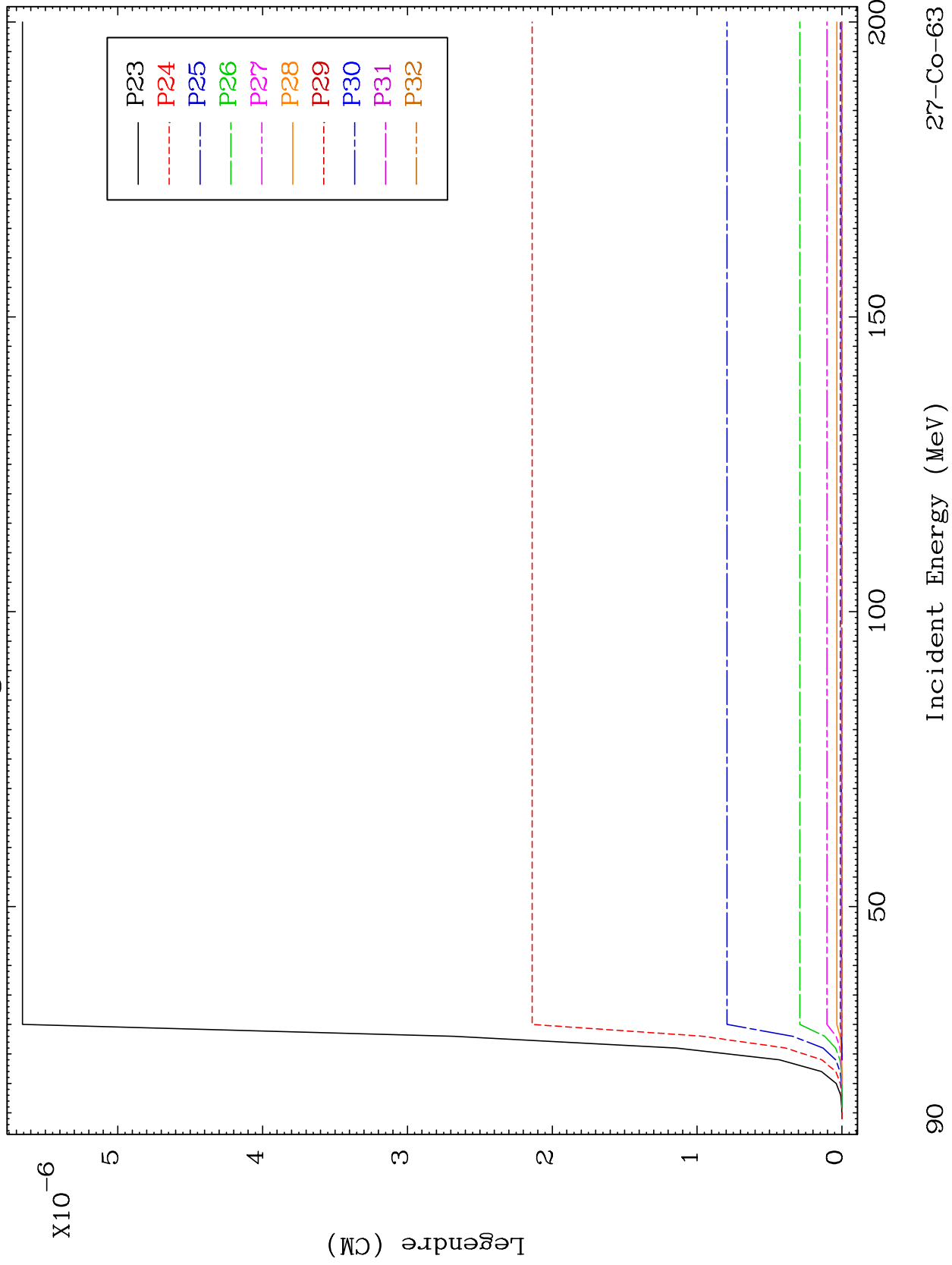




MAT 2737

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

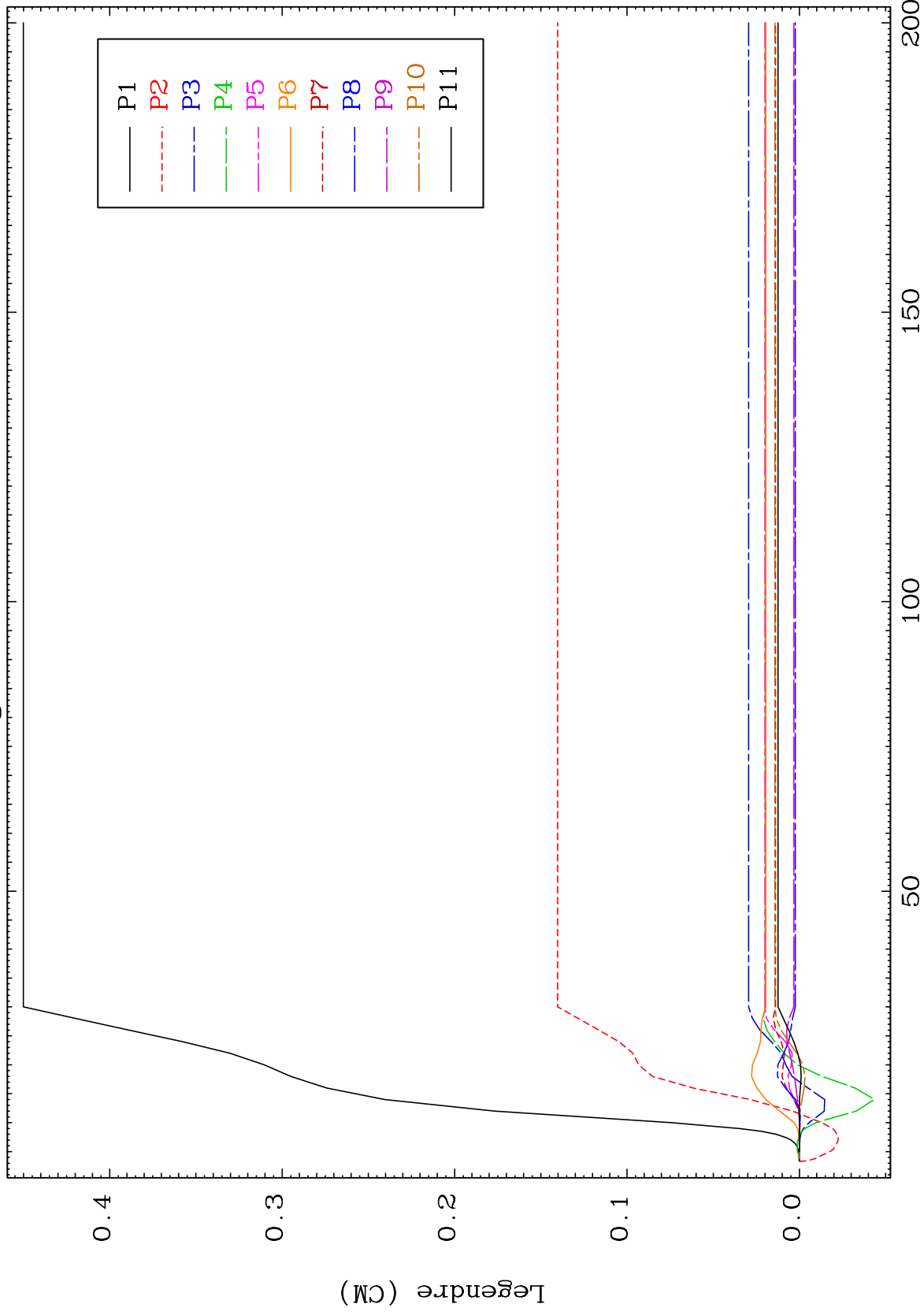
27-Co-63



MAT 2737

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

27-Co-63



91

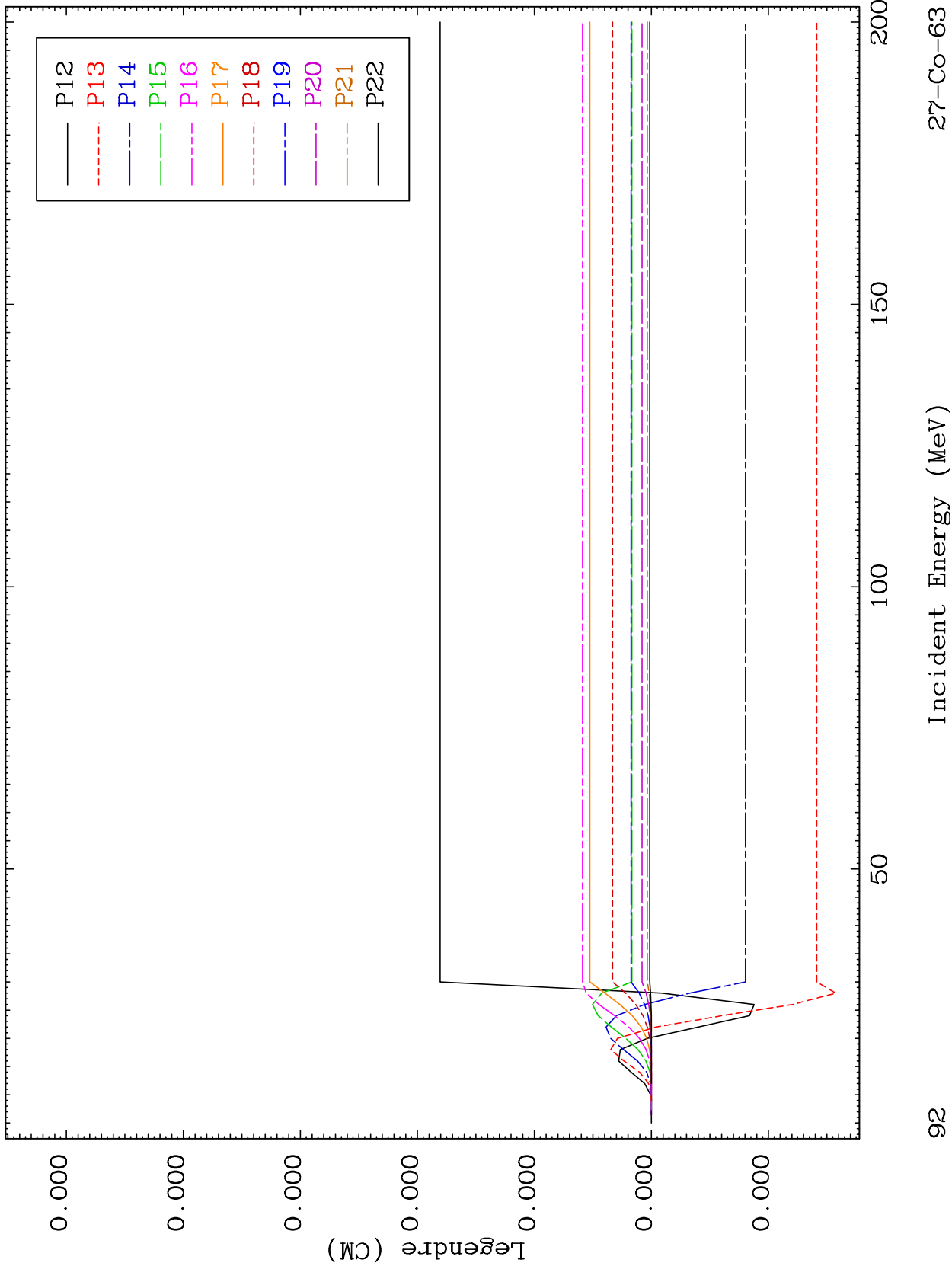
Incident Energy (MeV)

27-Co-63

MAT 2737

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

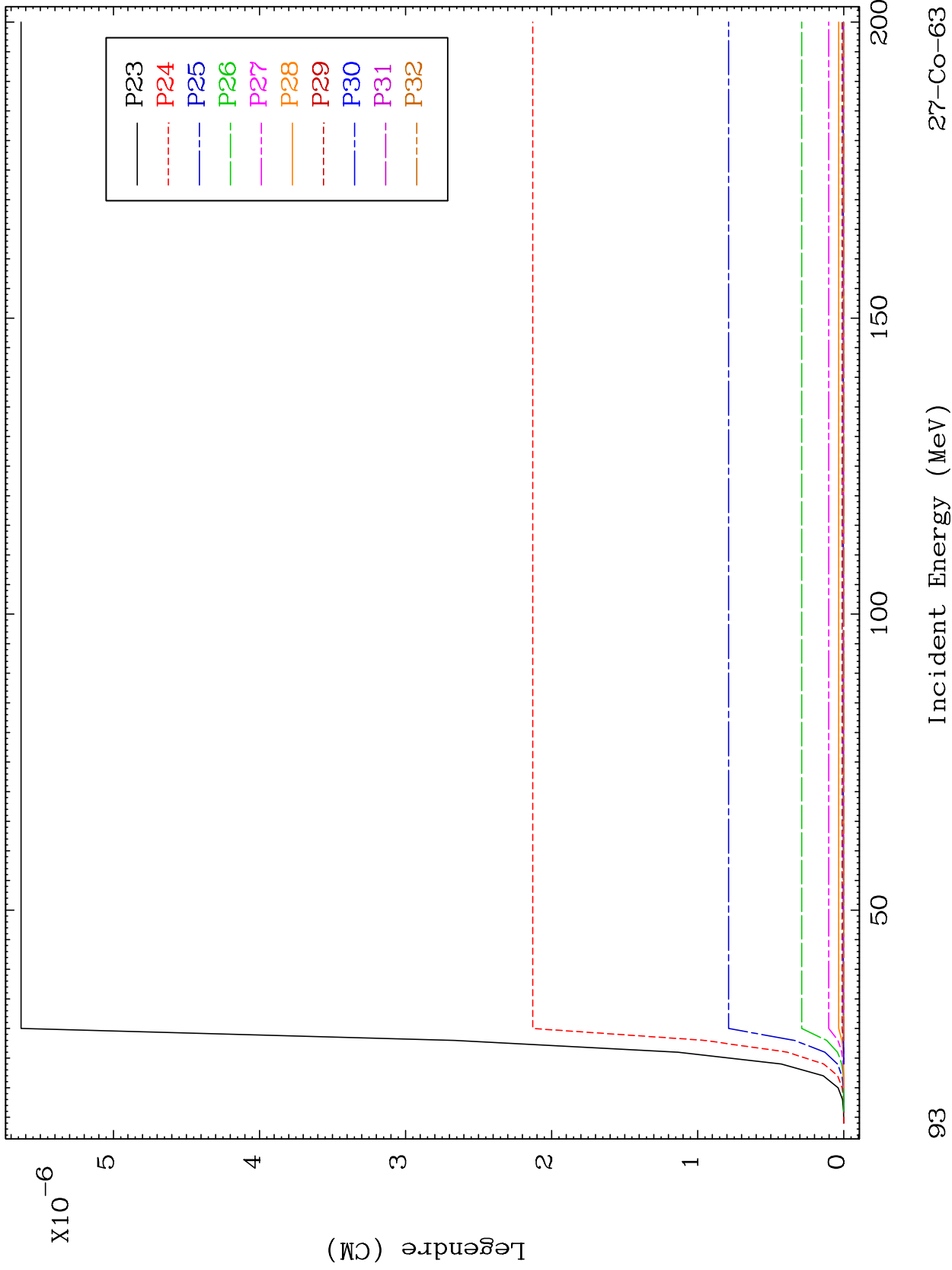
27-Co-63



92

Incident Energy (MeV)

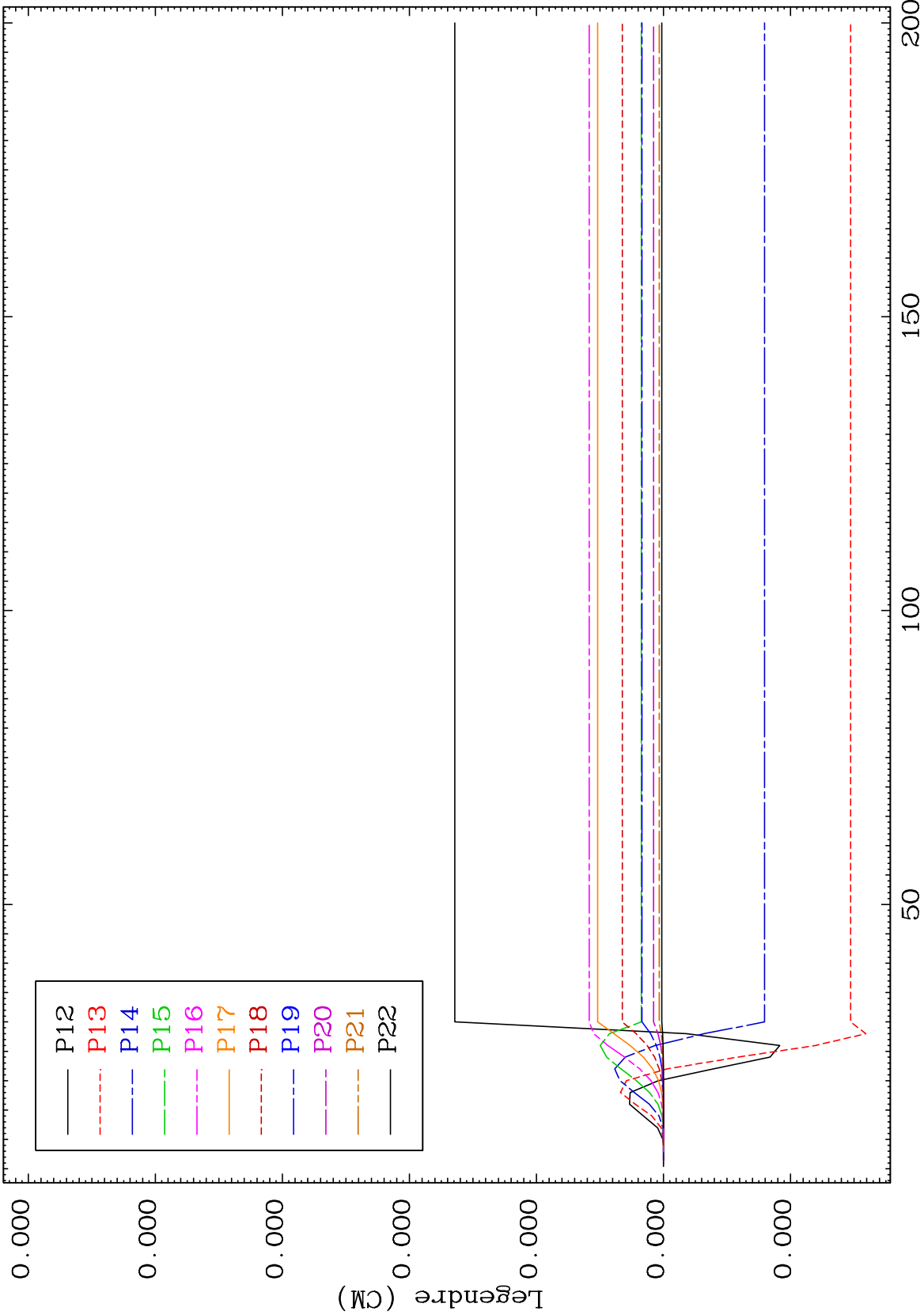
27-Co-63



MAT 2737

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

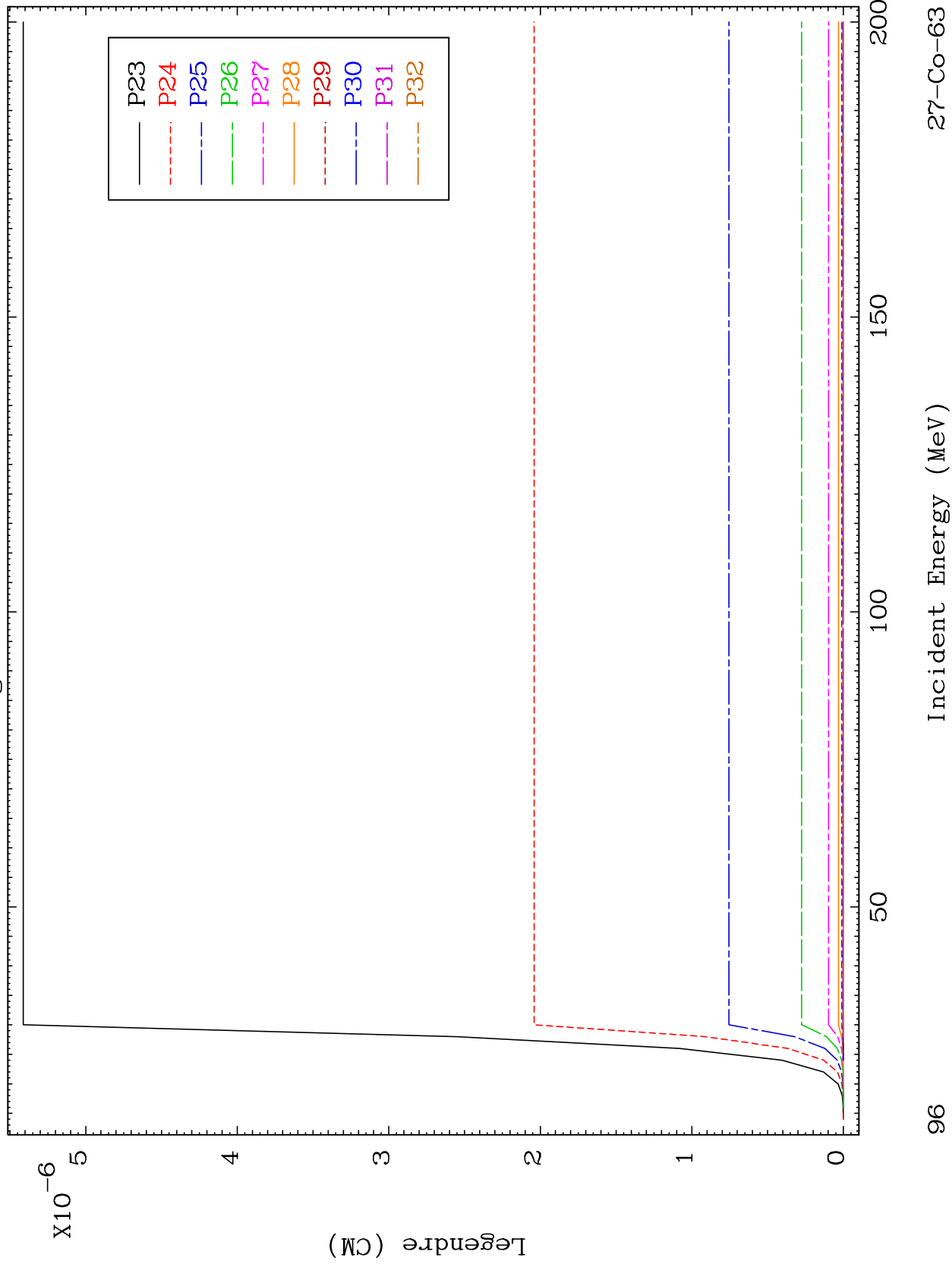
27-Co-63



MAT 2737

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

27-Co-63



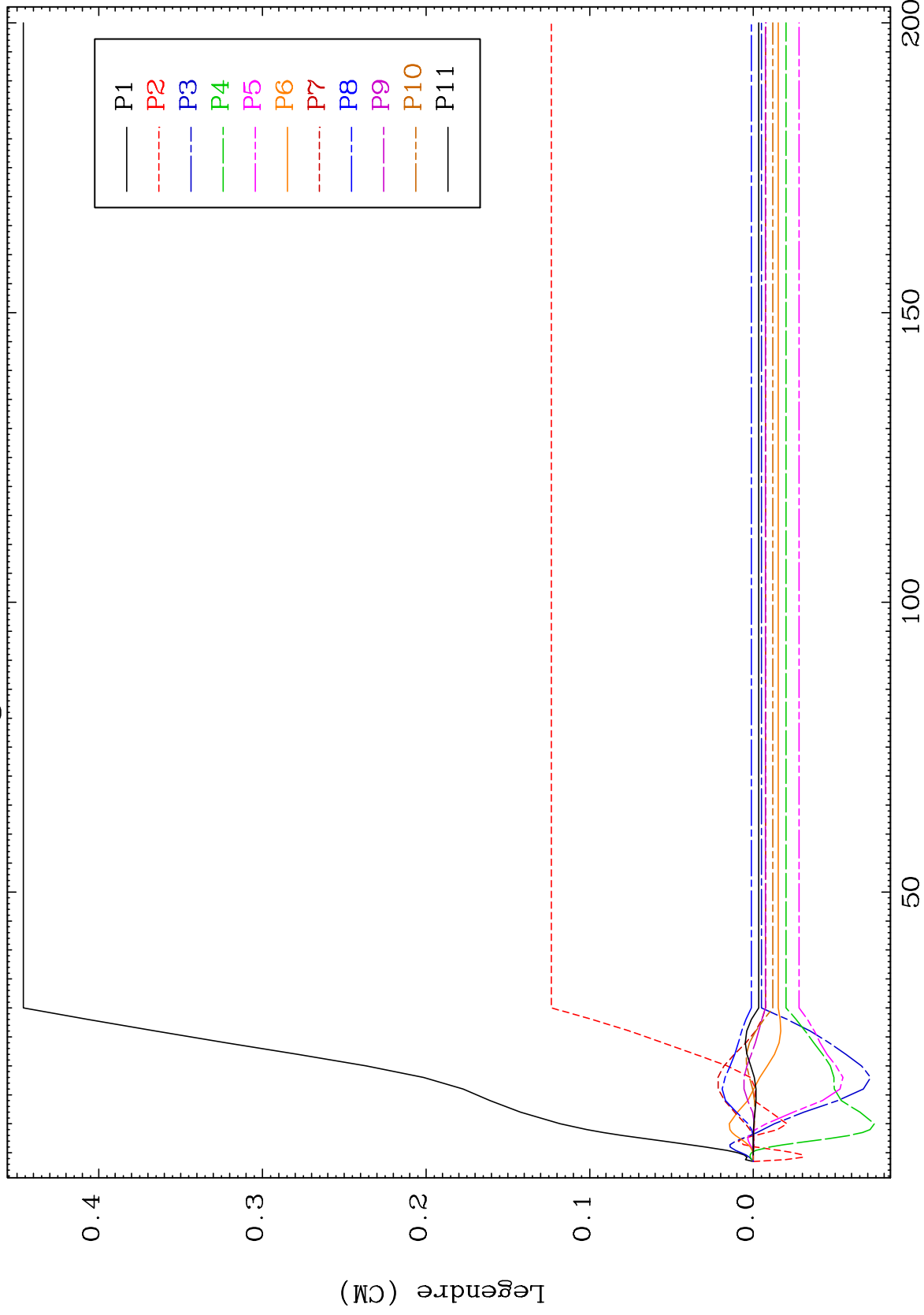
96

27-Co-63

MAT 2737

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

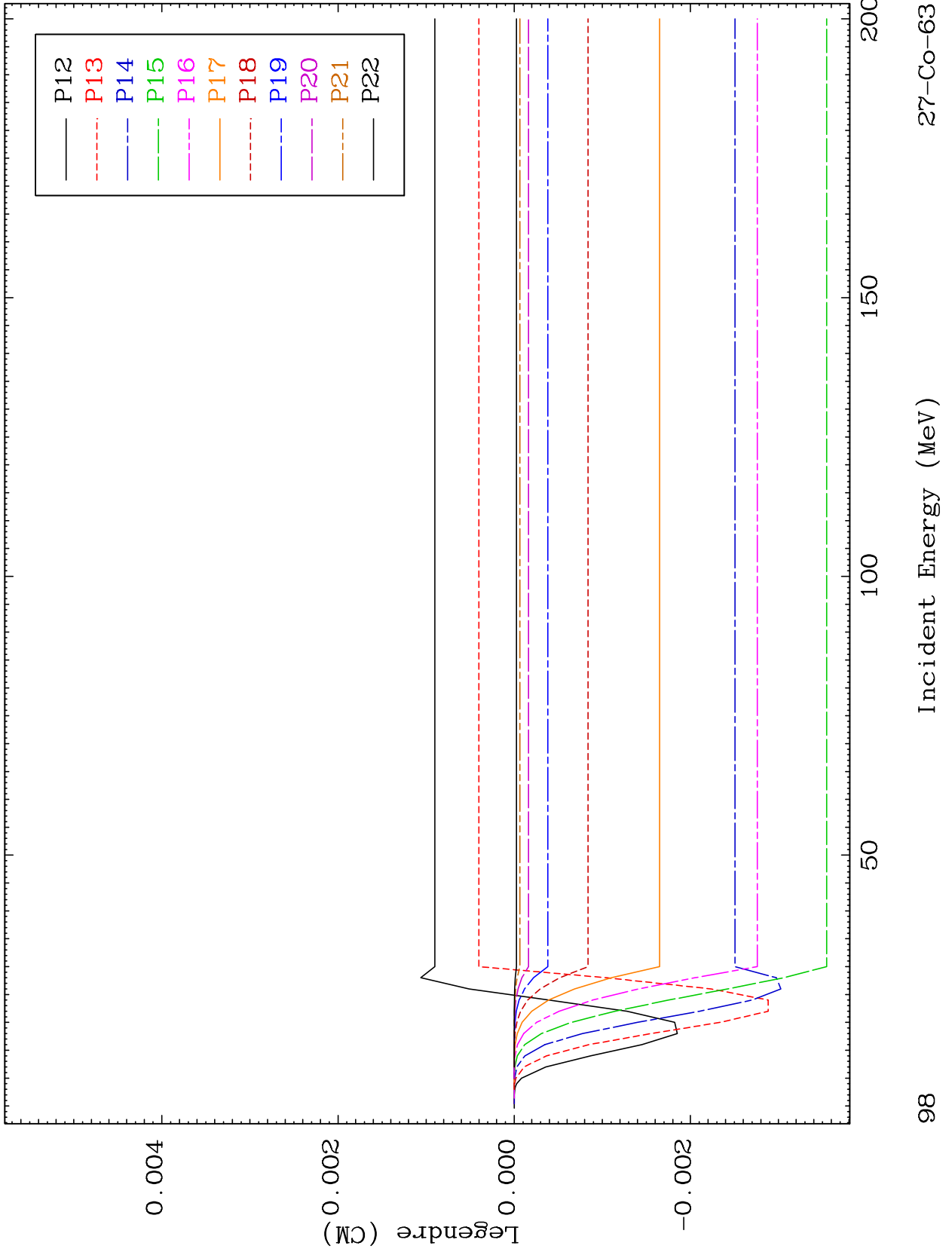
27-Co-63

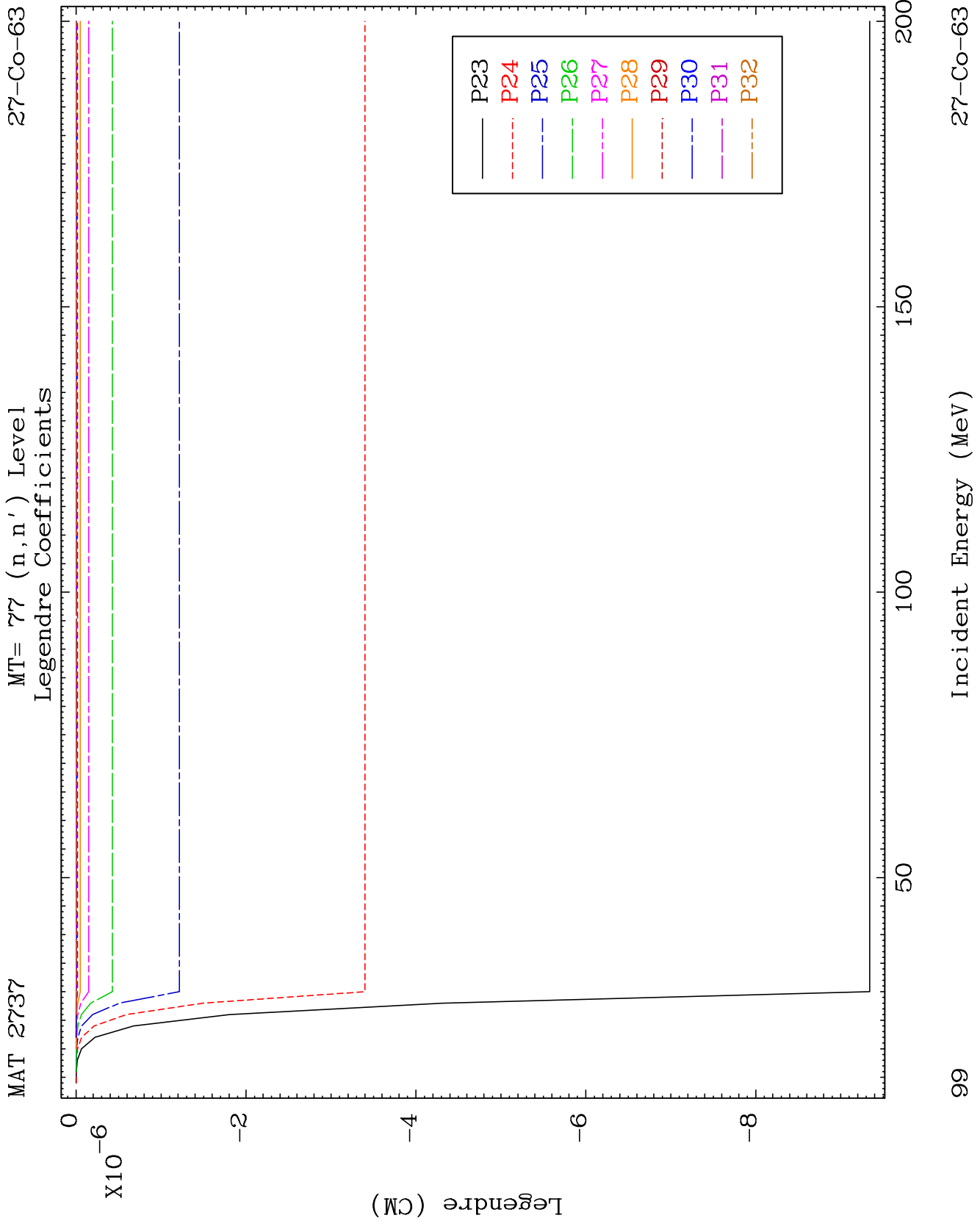


97

Incident Energy (MeV)

27-Co-63

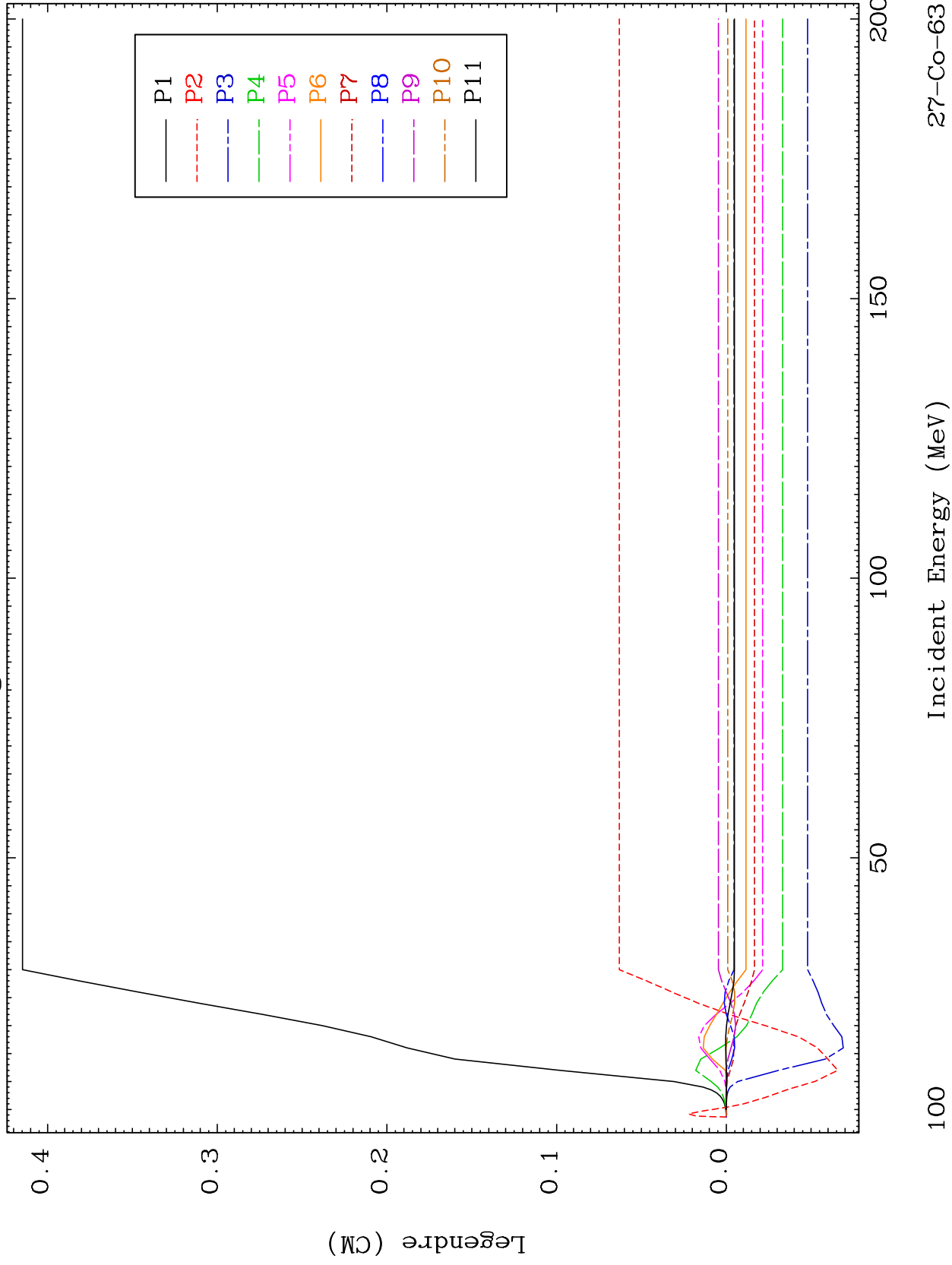




MAT 2737

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

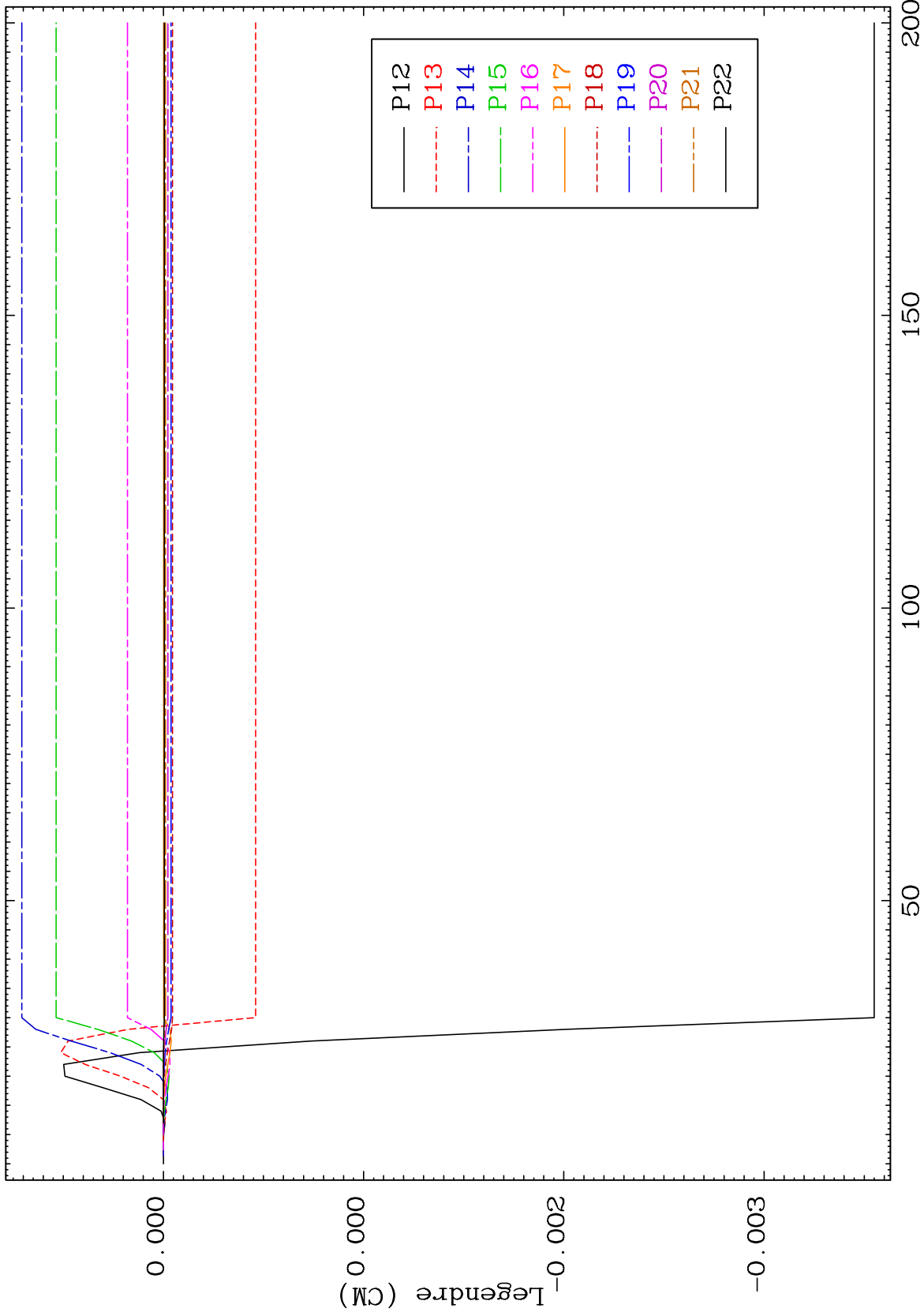
27-Co-63



MAT 2737

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

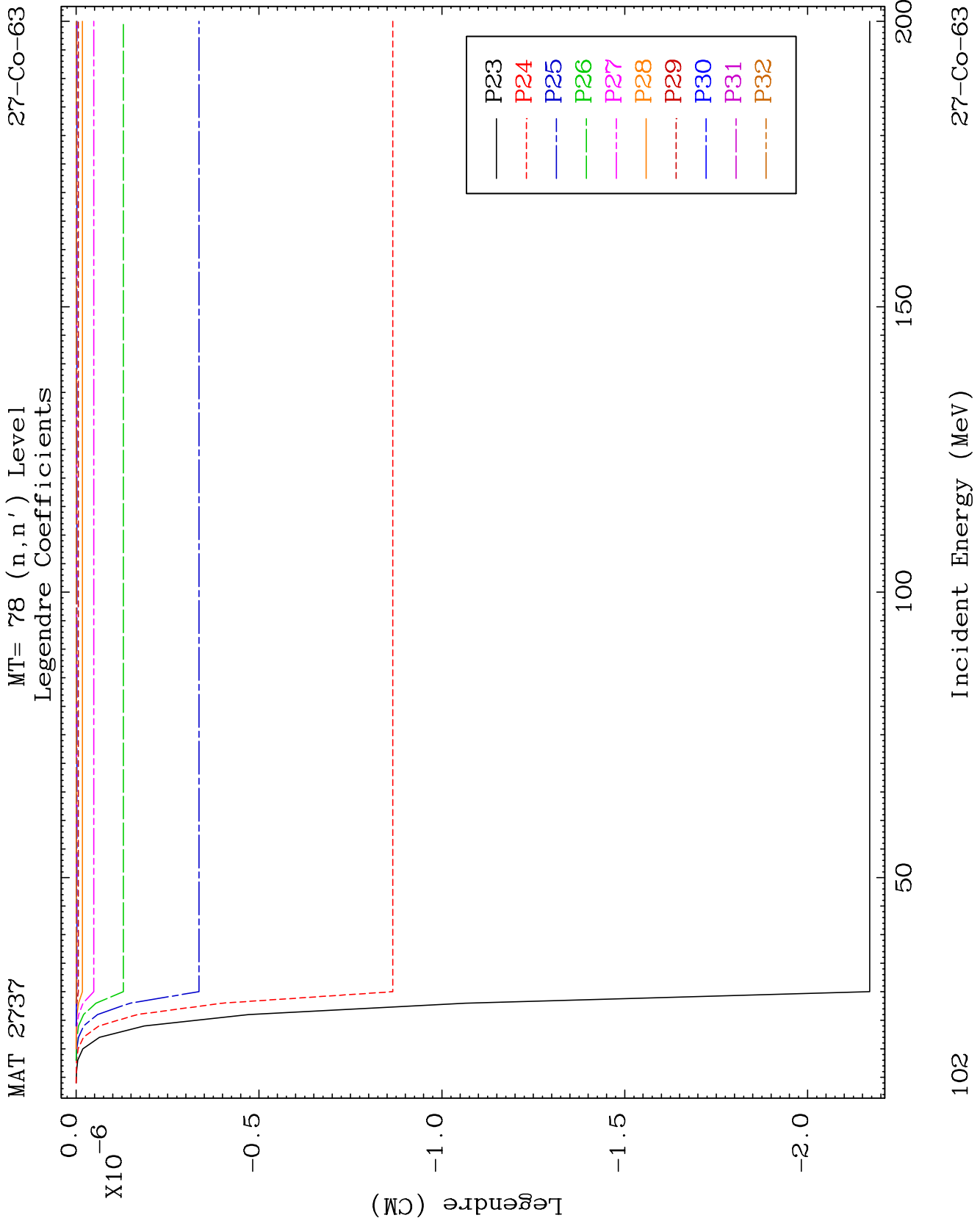
27-Co-63



101

Incident Energy (MeV)

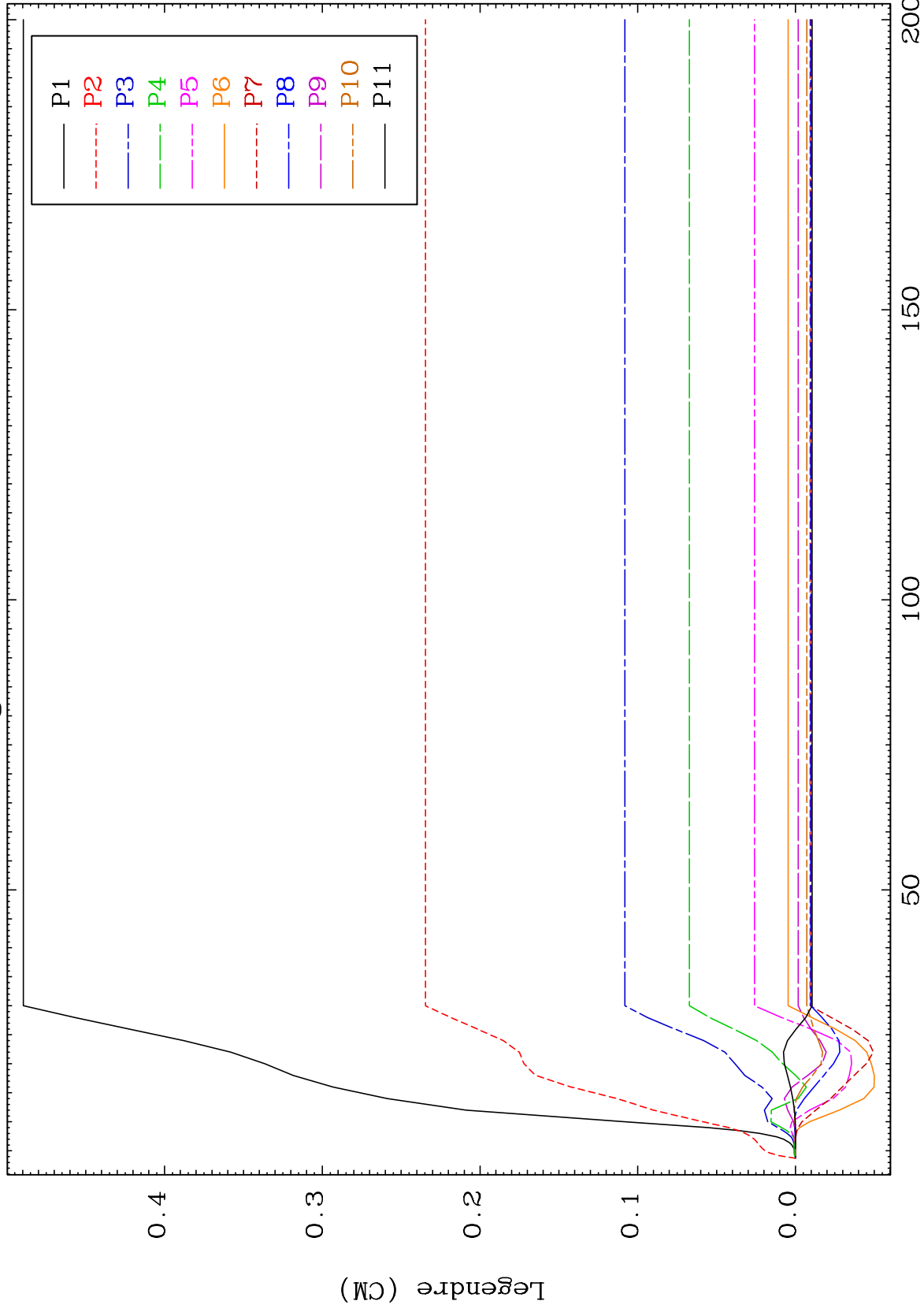
27-Co-63



MAT 2737

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

27-Co-63



103

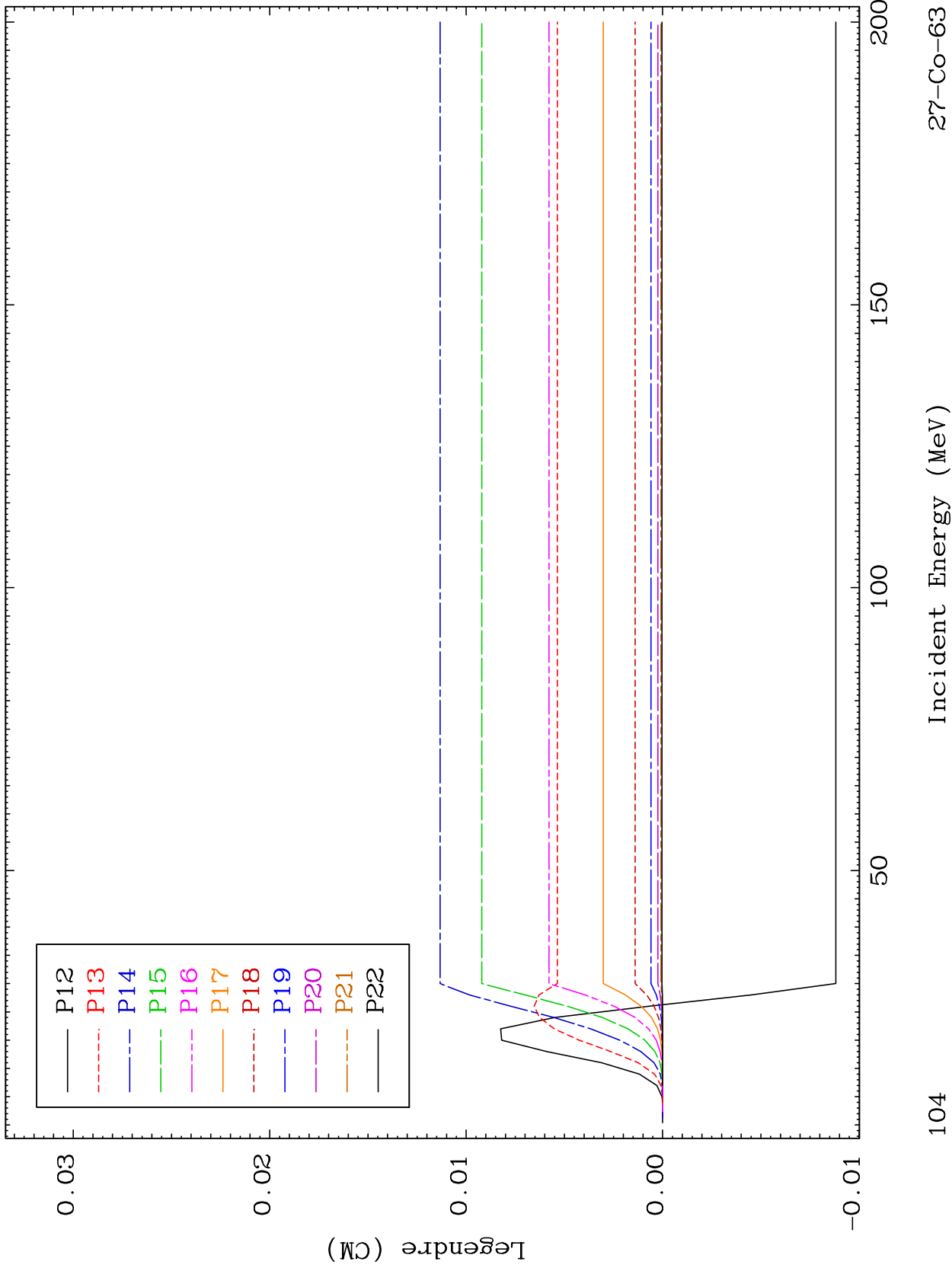
Incident Energy (MeV)

27-Co-63

MAT 2737

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

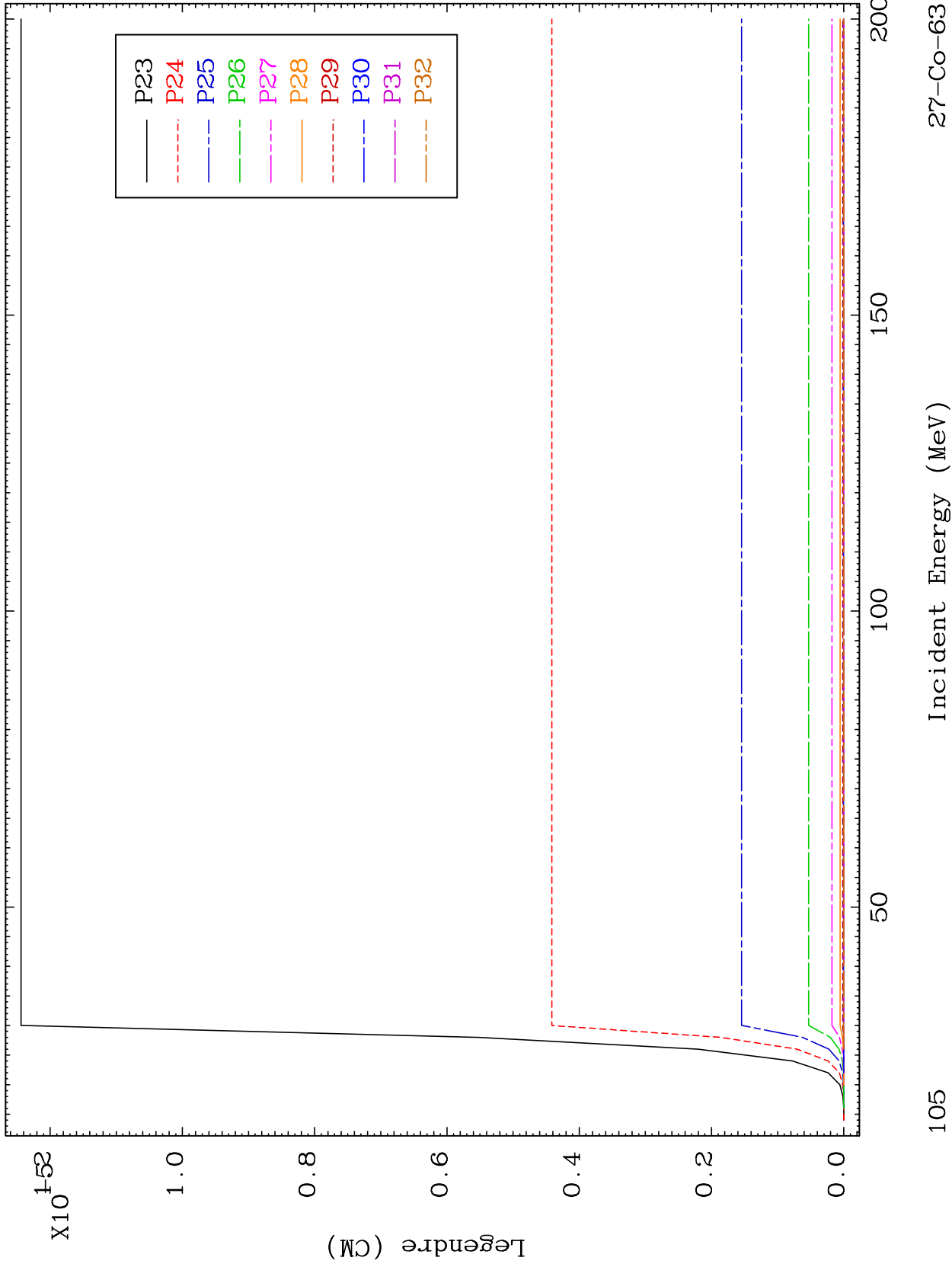
27-Co-63



MAT 2737

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

27-Co-63

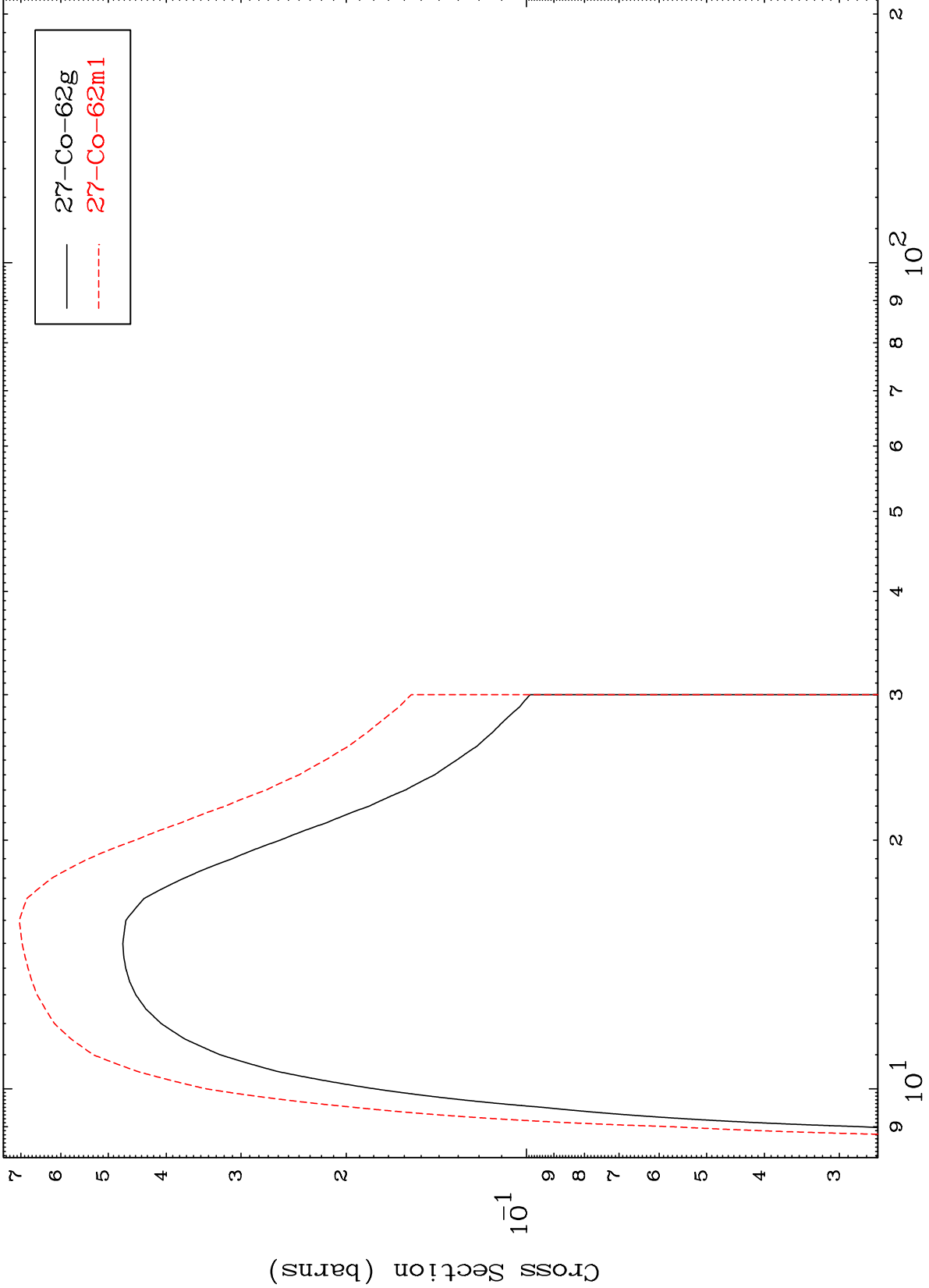


MAT 2737

²⁷Co-63

(n,2n)

Radionuclide Production Cross Section



106

Incident Energy (MeV)

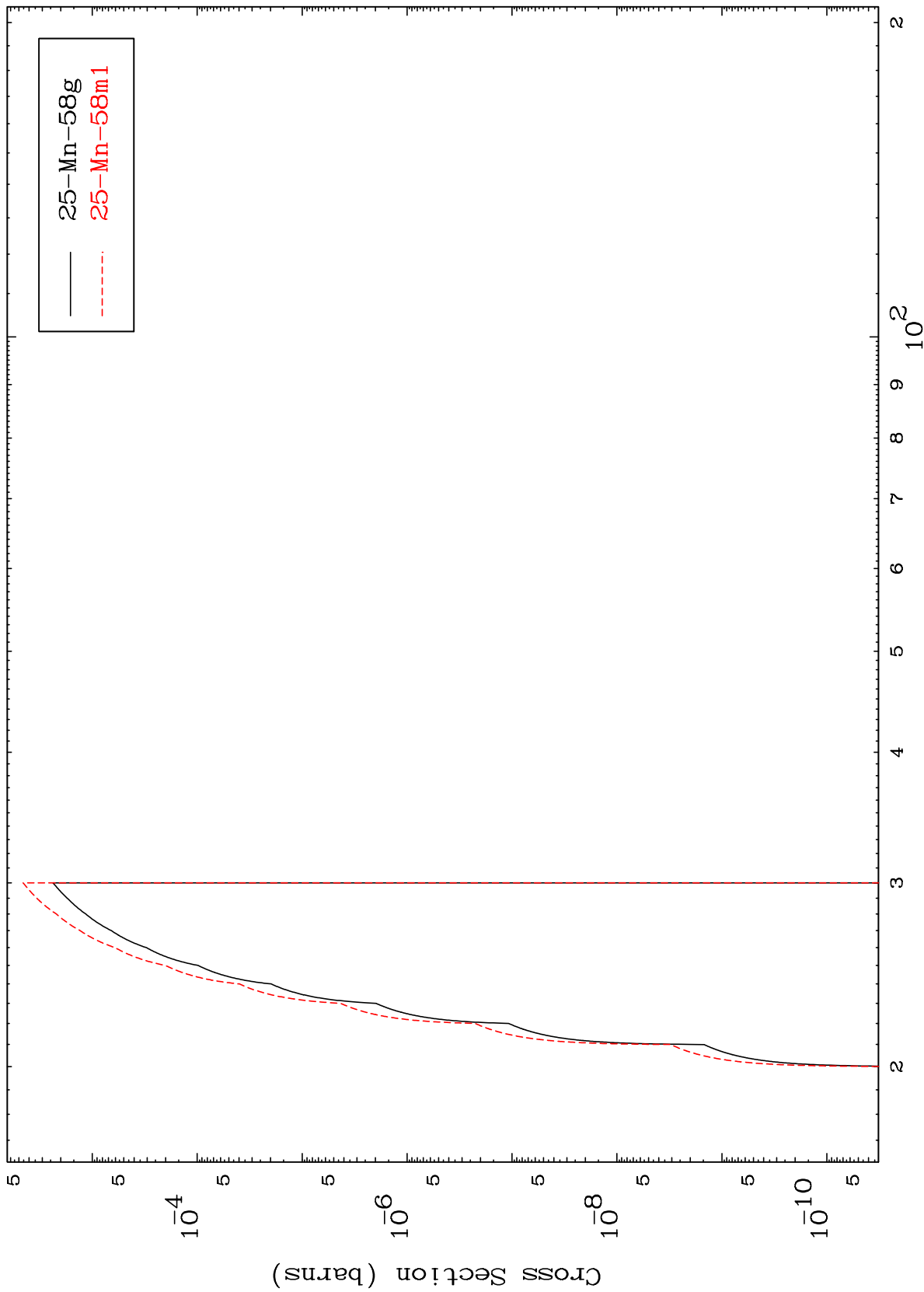
²⁷Co-63

MAT 2737

(n,2n) α

27-Co-63

Radionuclide Production Cross Section

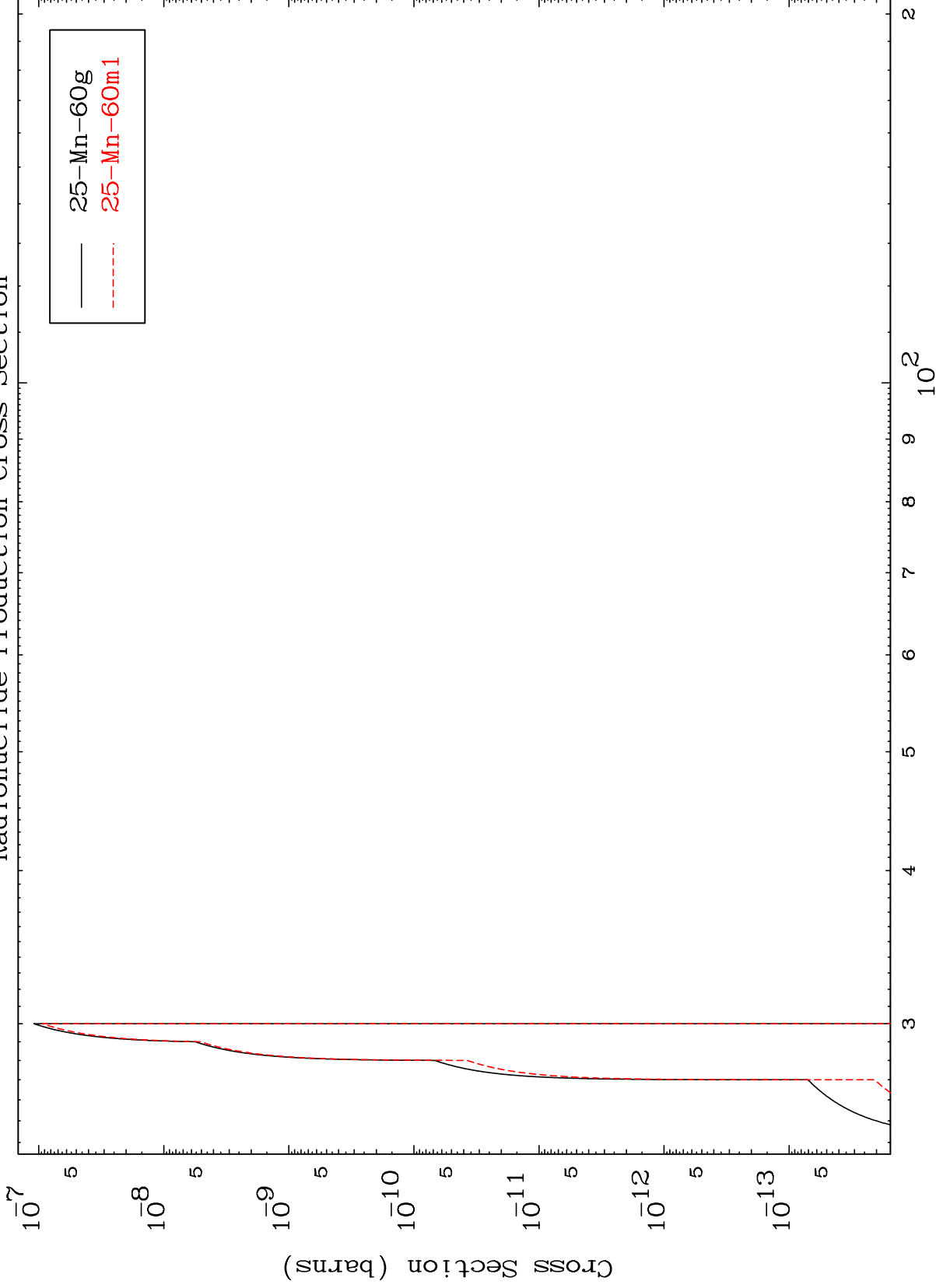


107

Incident Energy (MeV)

27-Co-63

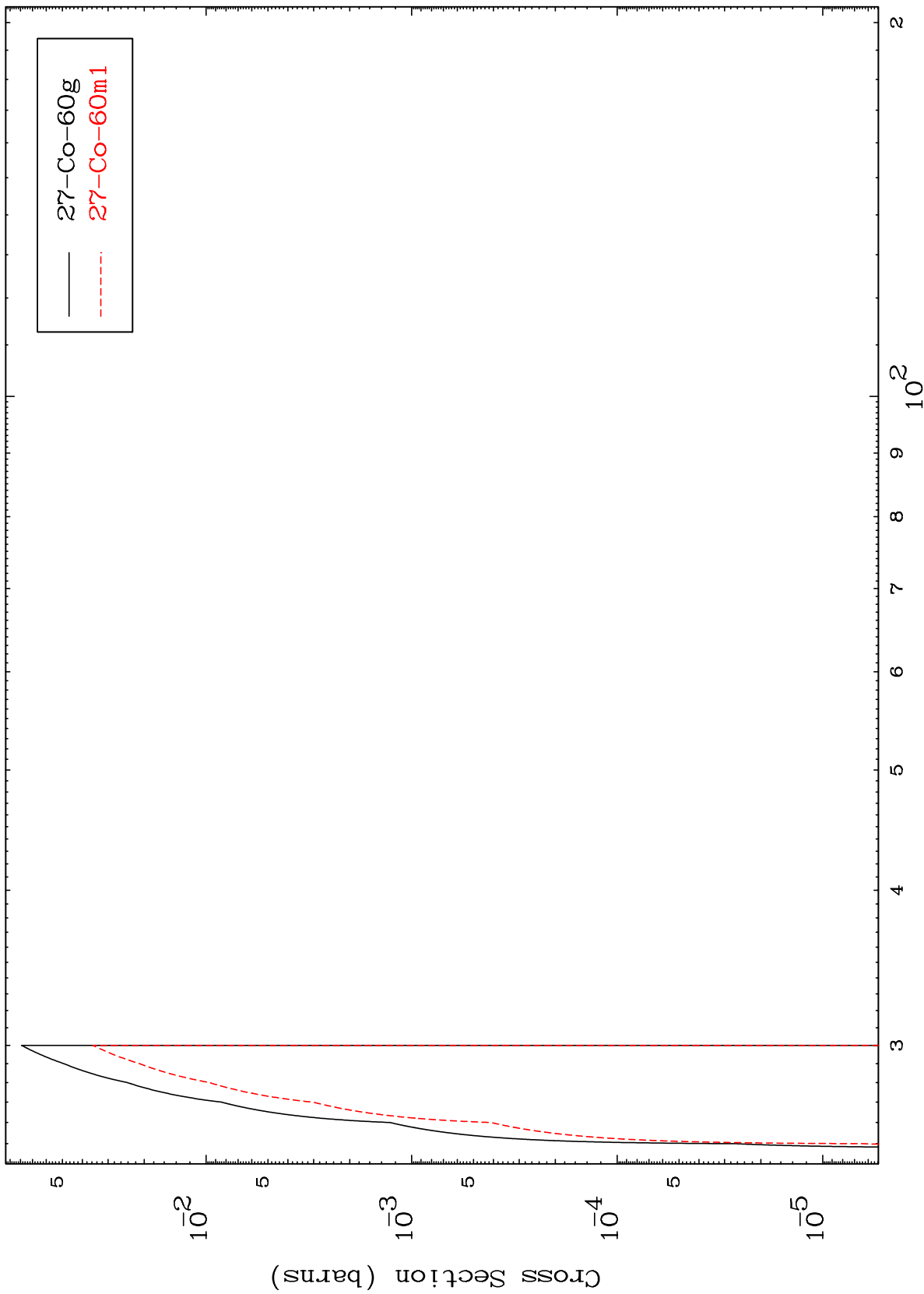
Radionuclide Production Cross Section



MAT 2737

27-Co-63

(n,4n)
Radionuclide Production Cross Section



— 27-Co-60g
- - - 27-Co-60m1

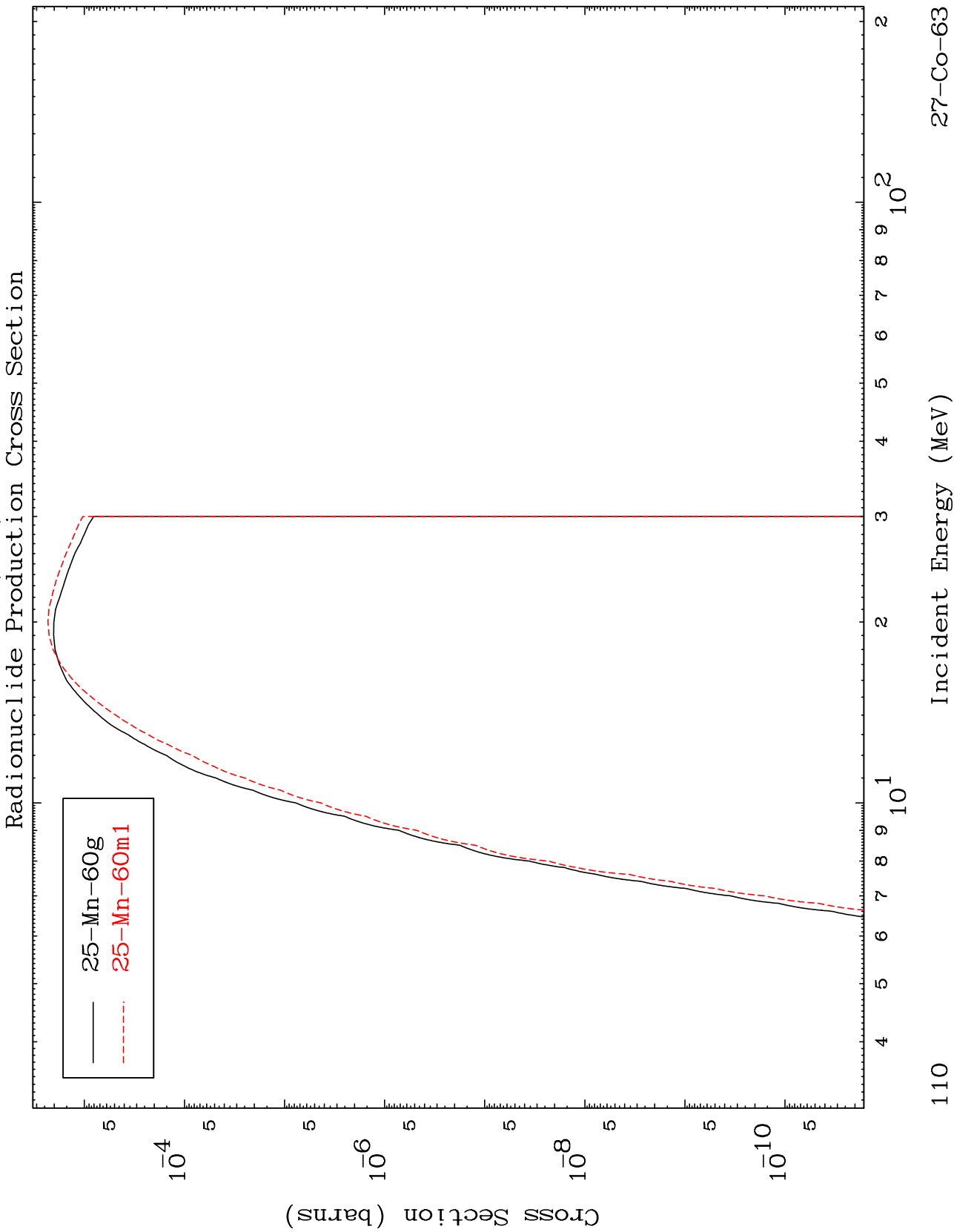
109

Incident Energy (MeV)

27-Co-63

MAT 2737

27-Co-63



110

Incident Energy (MeV)

Radionuclide Production Cross Section

