

Program EVALPLOT  
(Version 2018-1)

by

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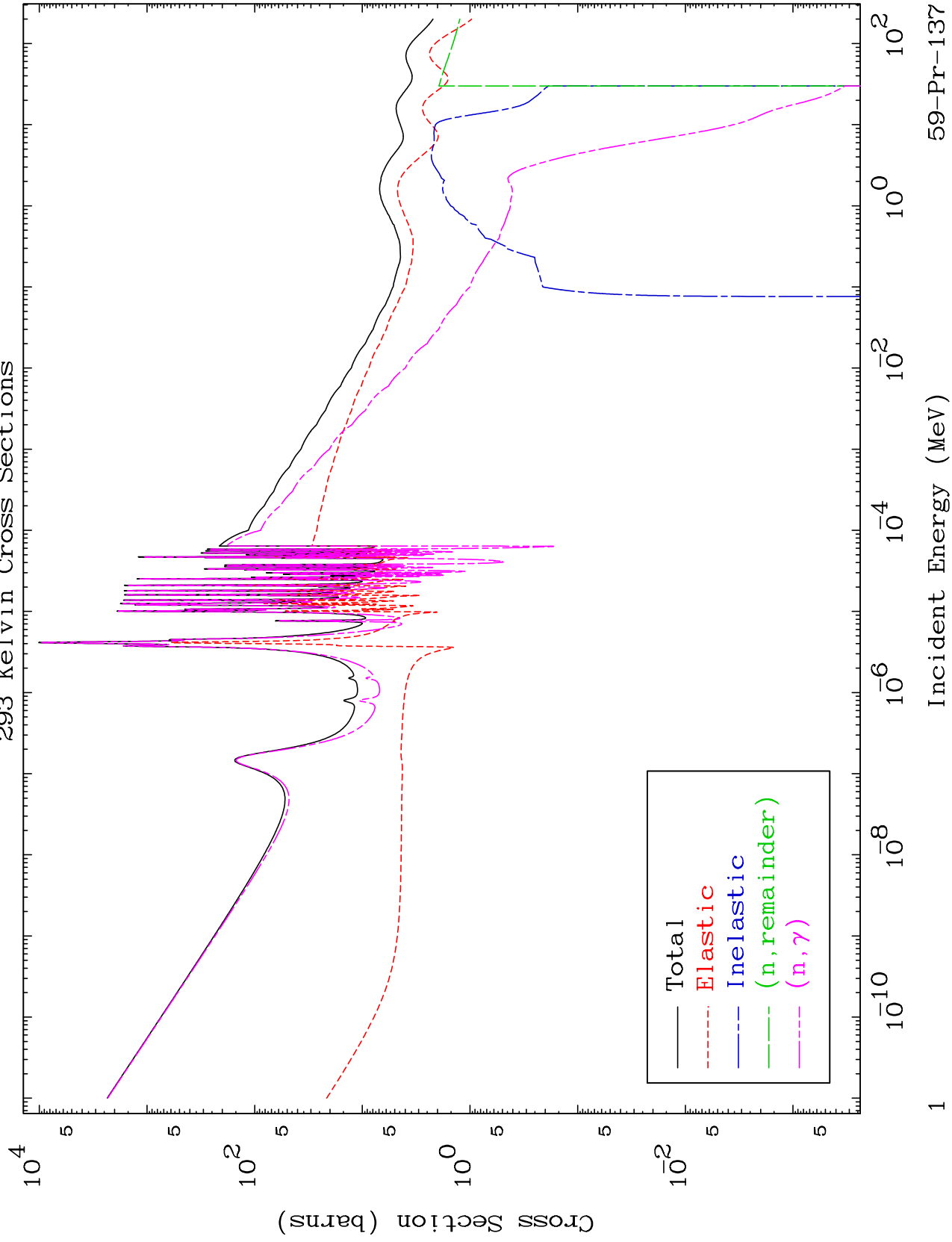
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

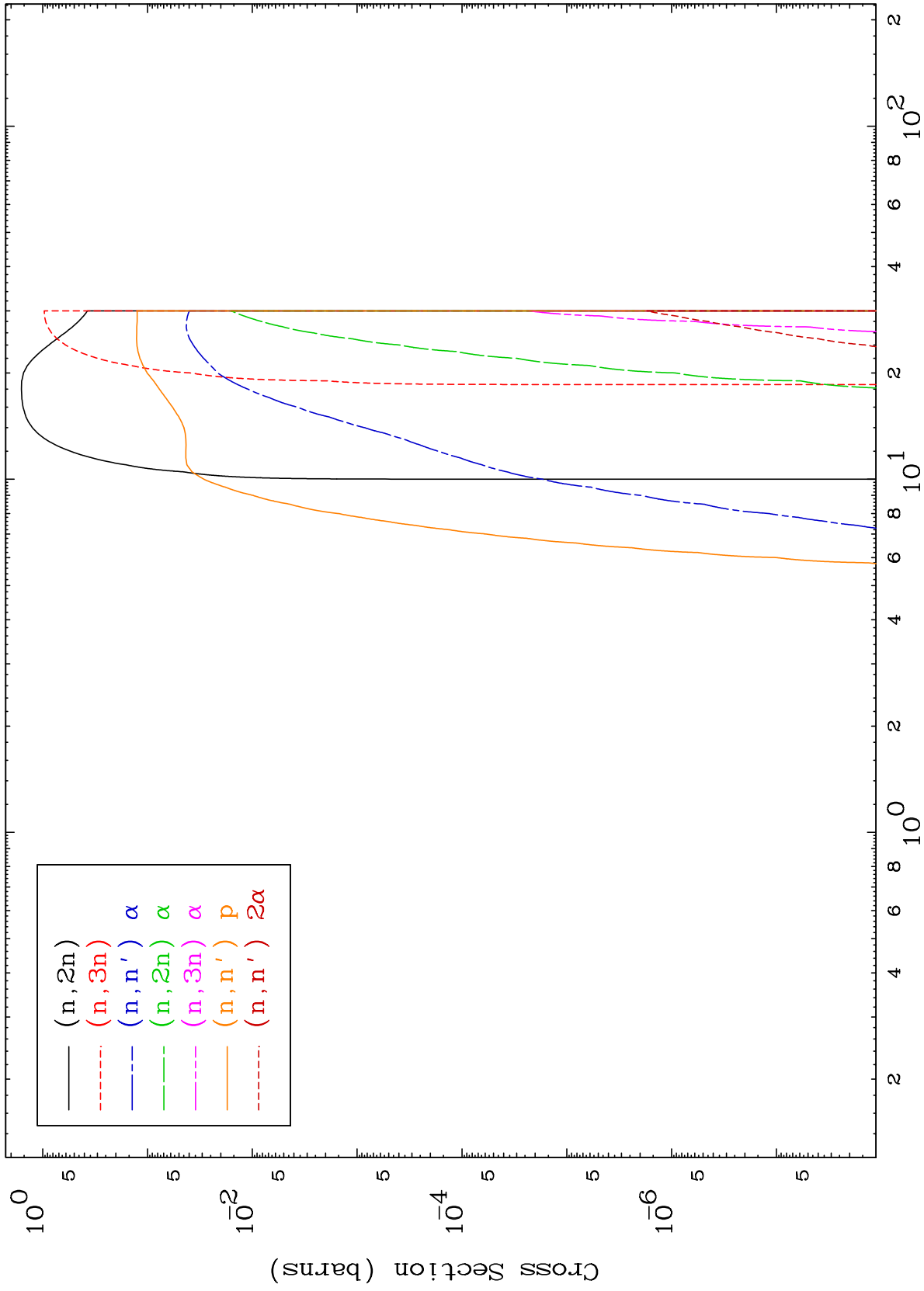
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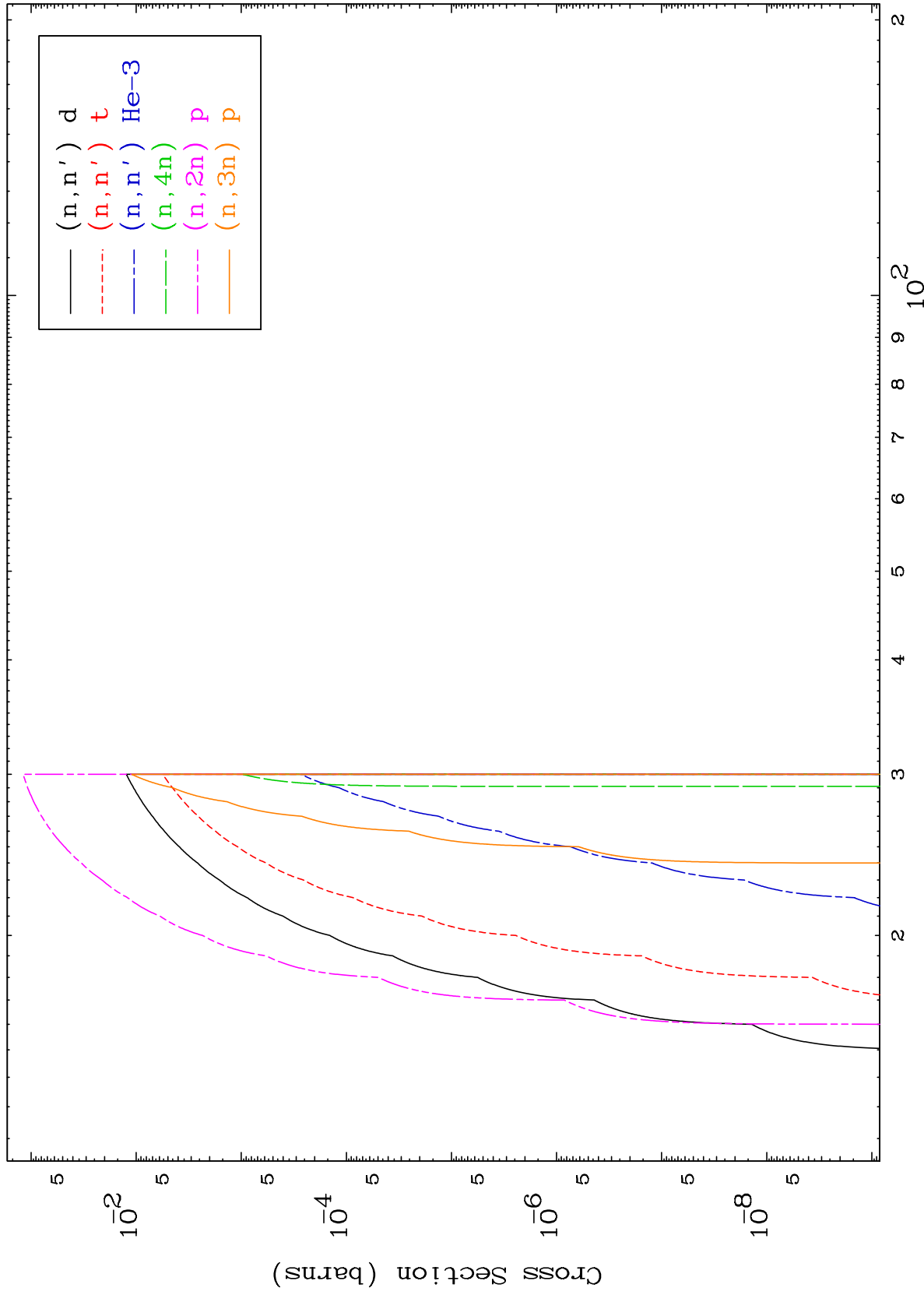
MAT 5913

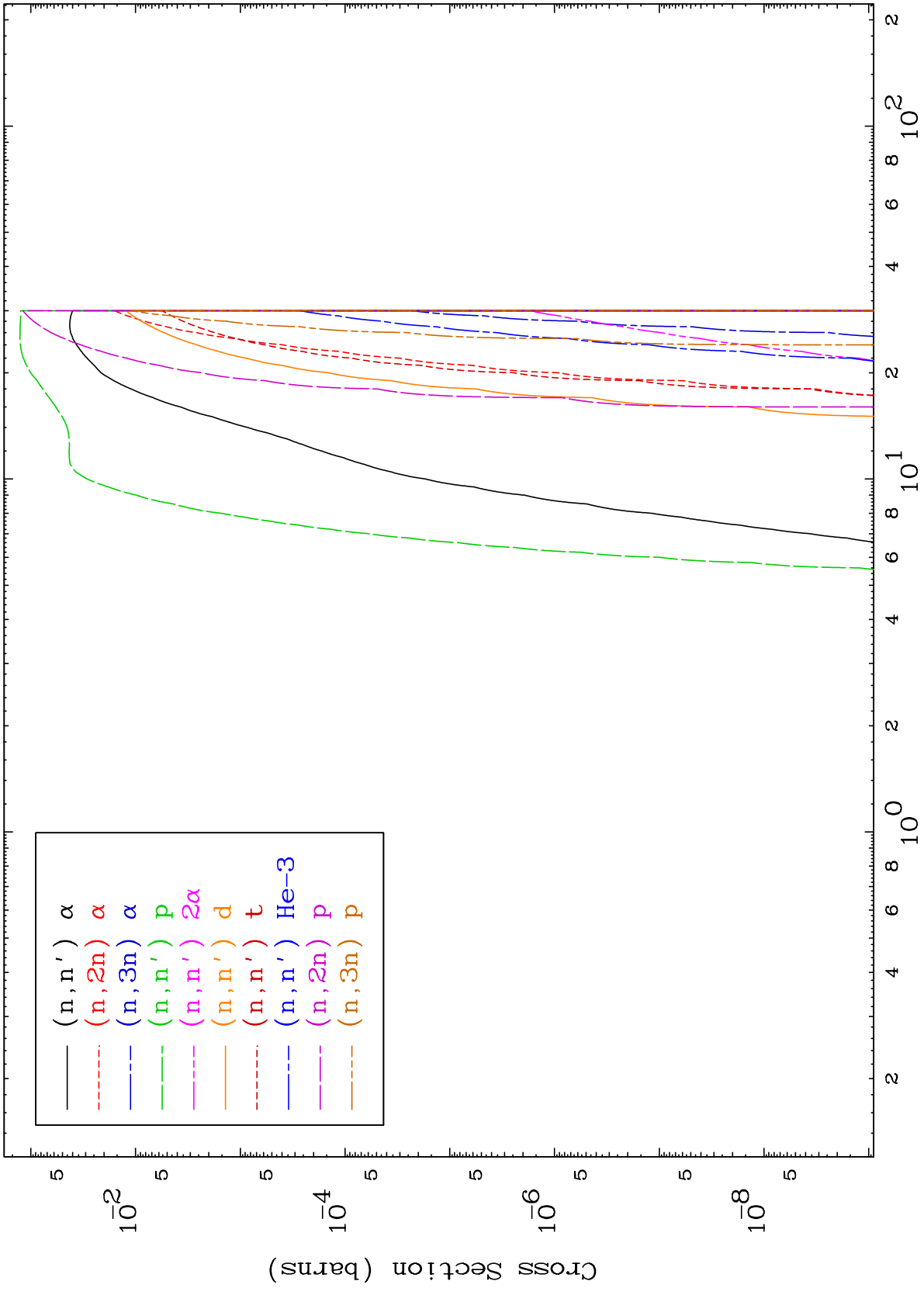
Major  
293 Kelvin Cross Sections

59-Pr-137





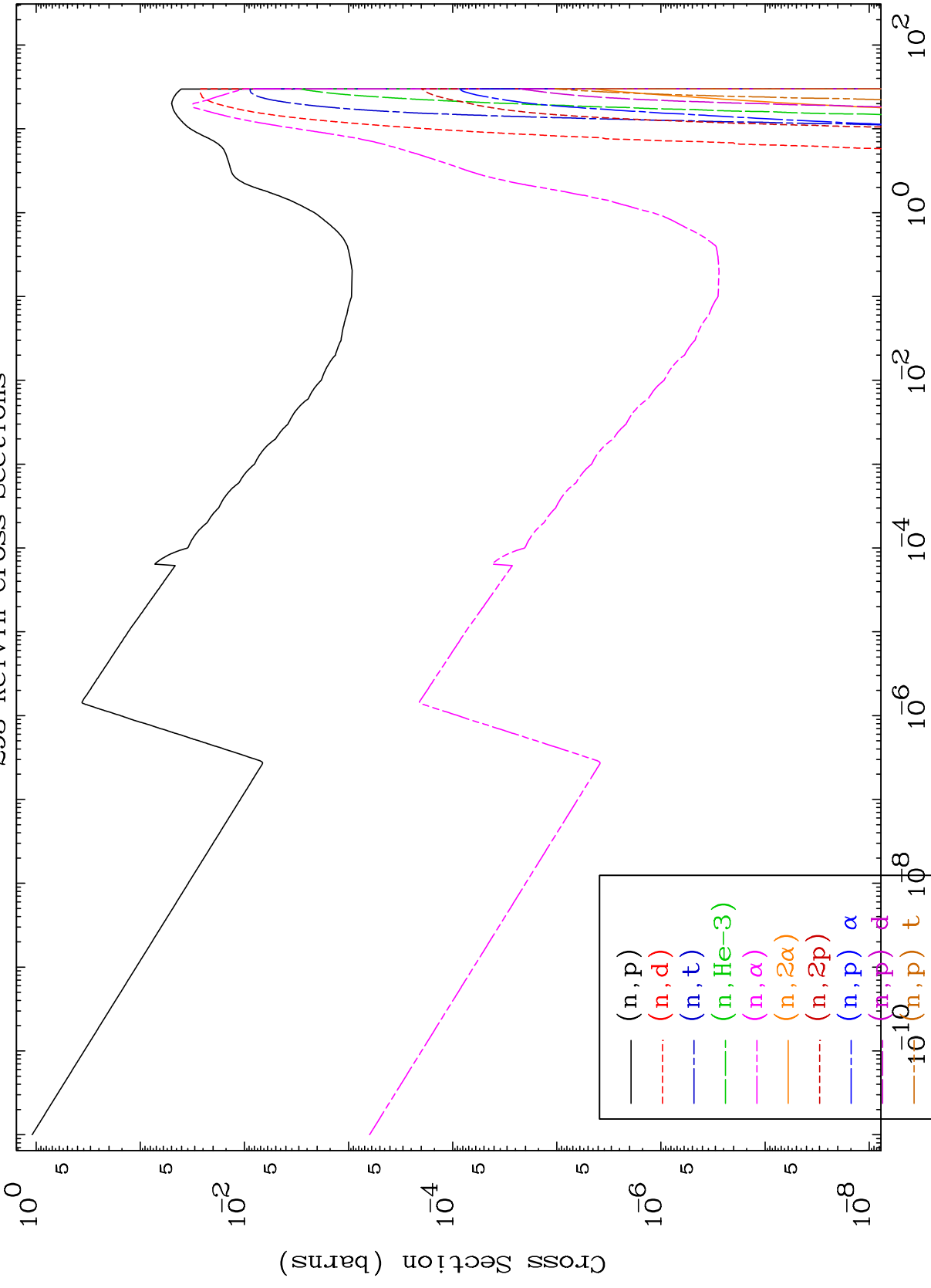




MAT 5913

Charged Particle  
293 Kelvin Cross Sections

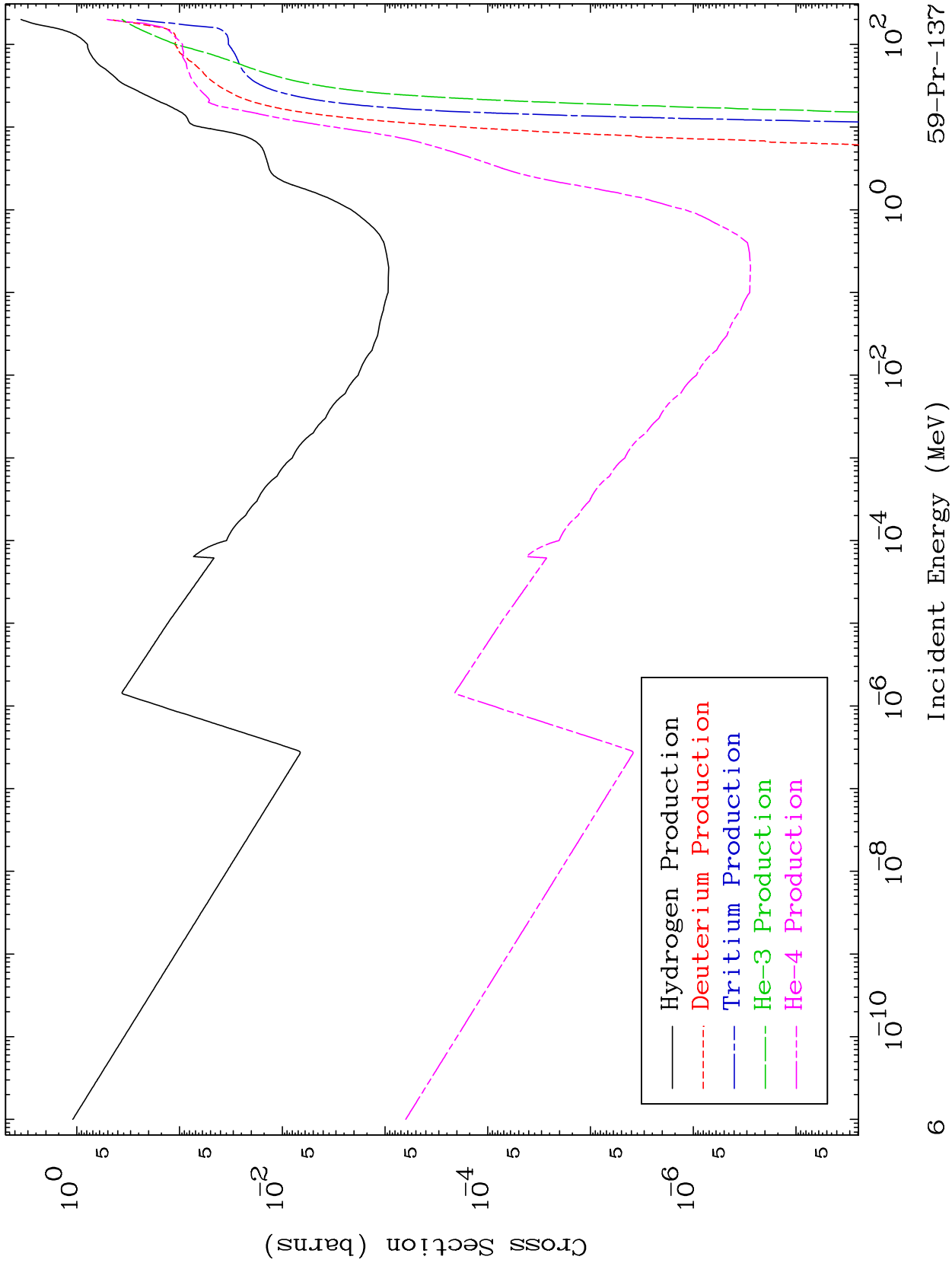
59-Pr-137

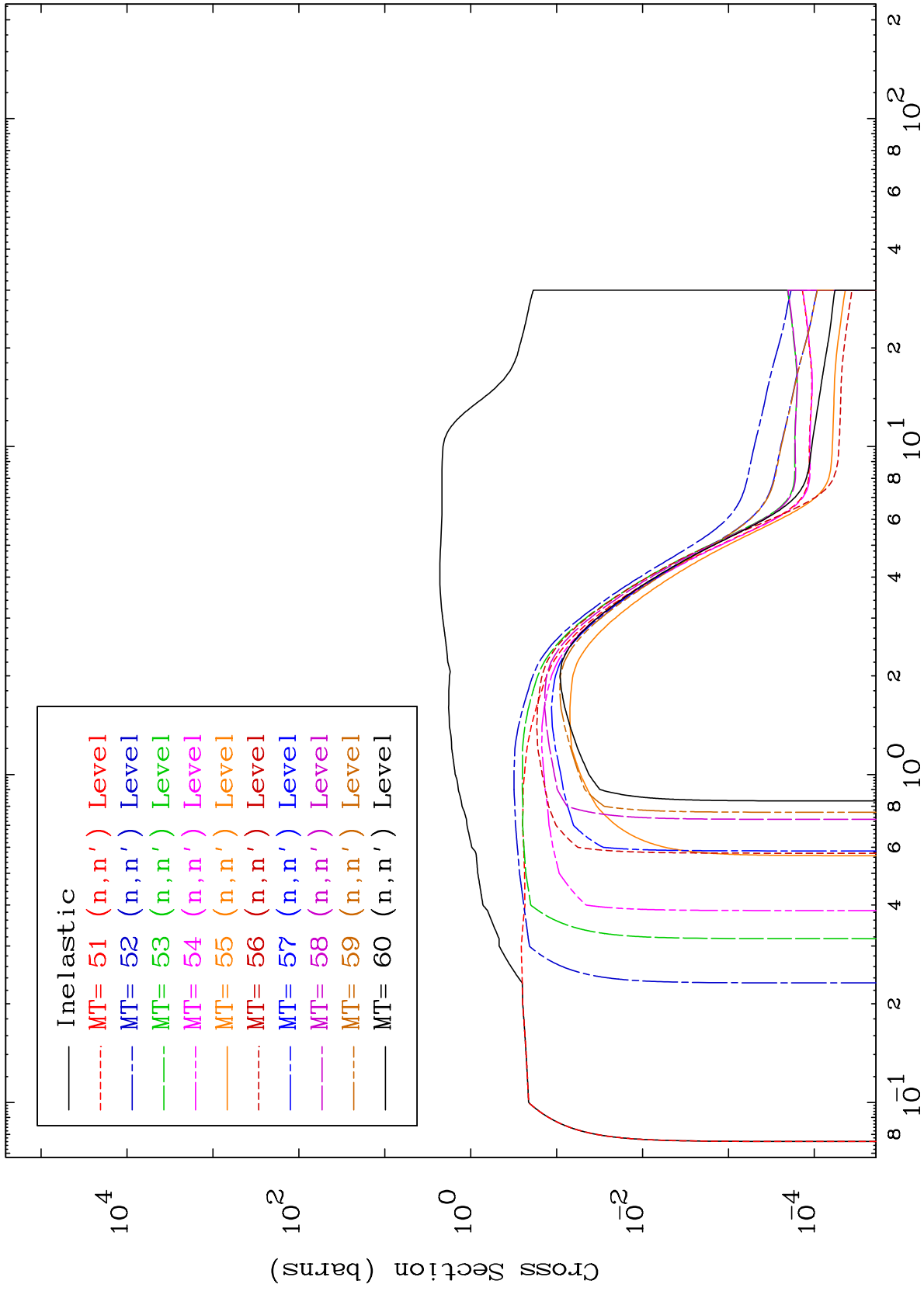


59-Pr-137

Incident Energy (MeV)

5





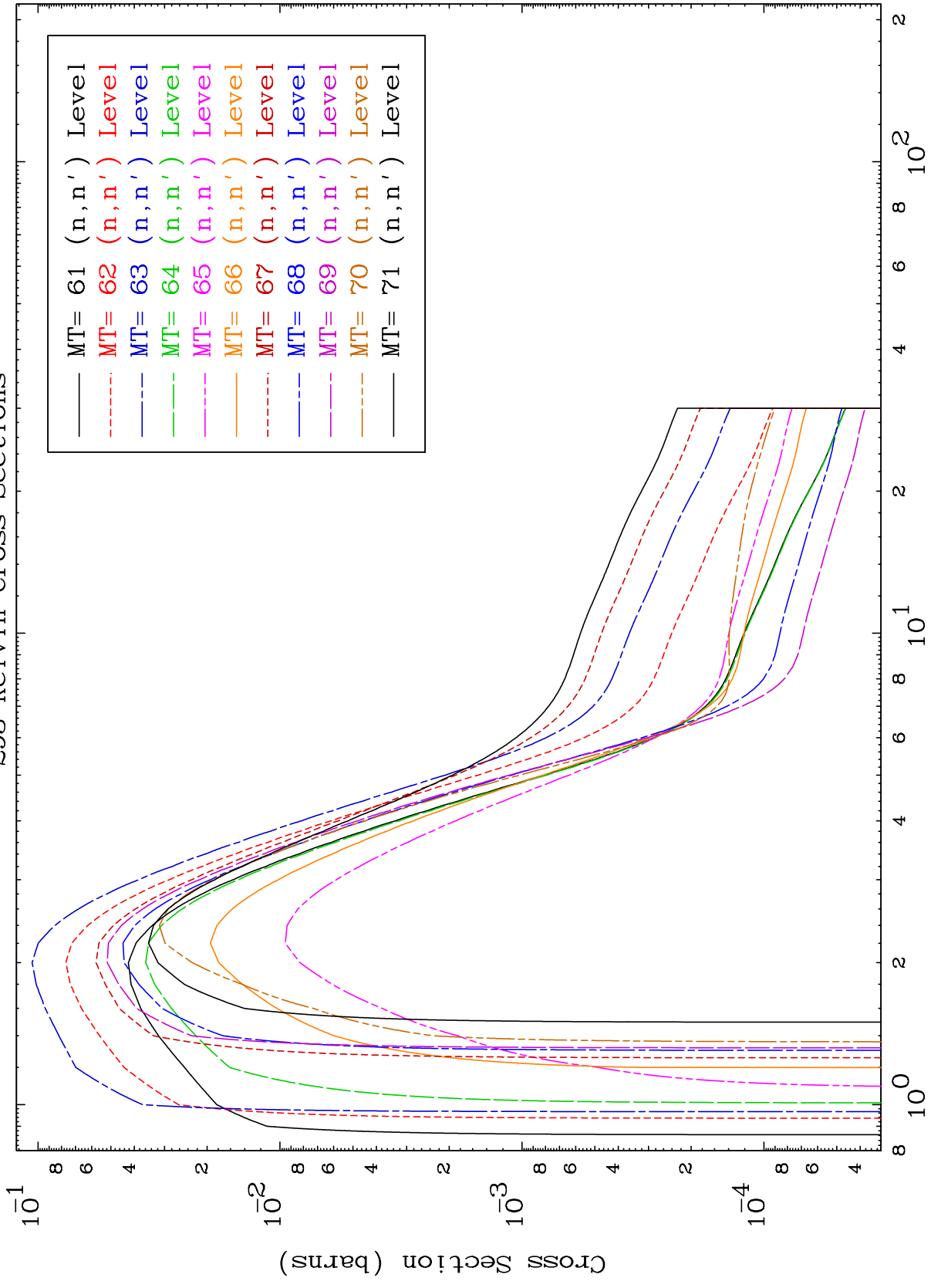


MAT 5913

(n,n') Level

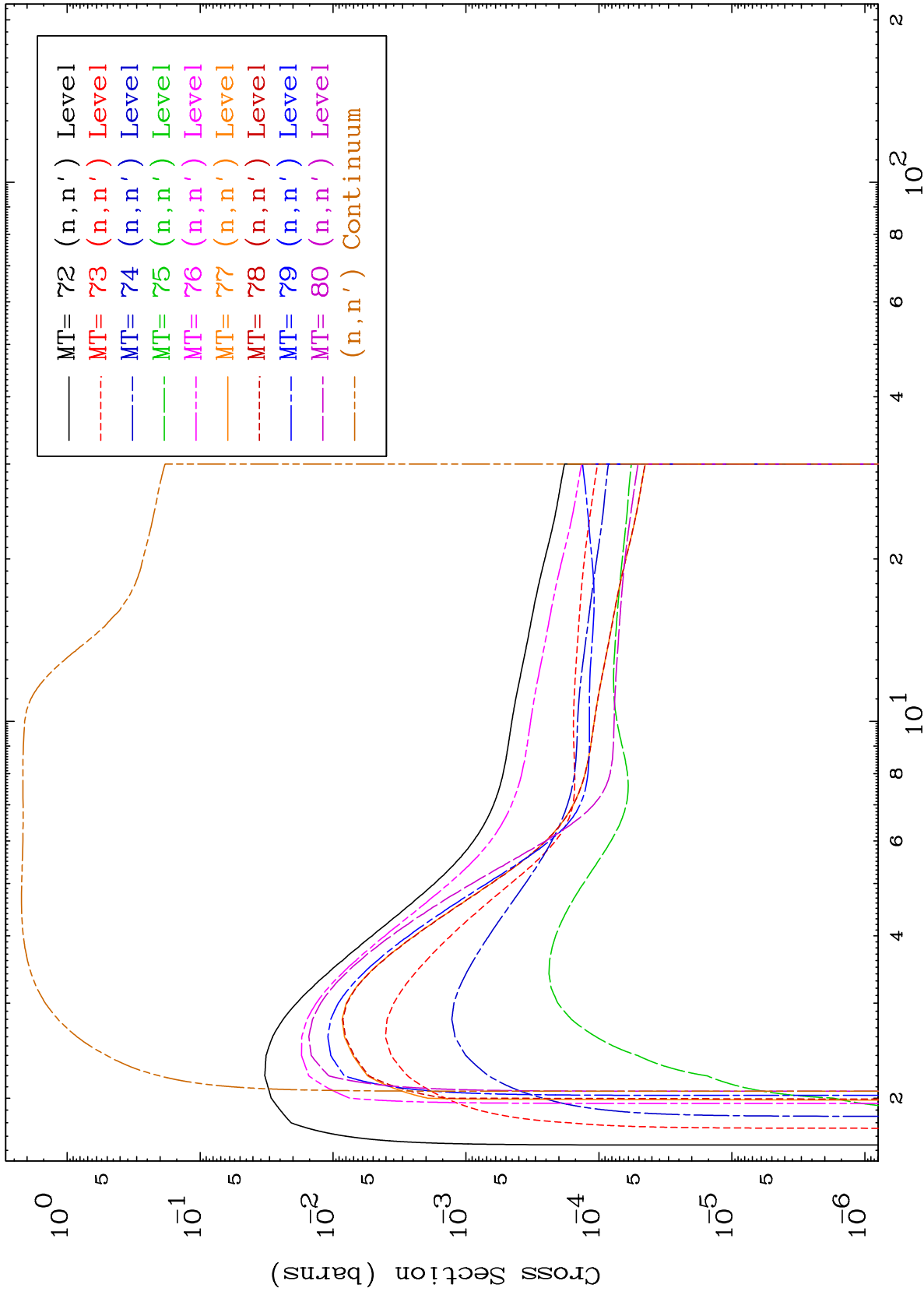
59-Pr-137

293 Kelvin Cross Sections



Incident Energy (MeV)

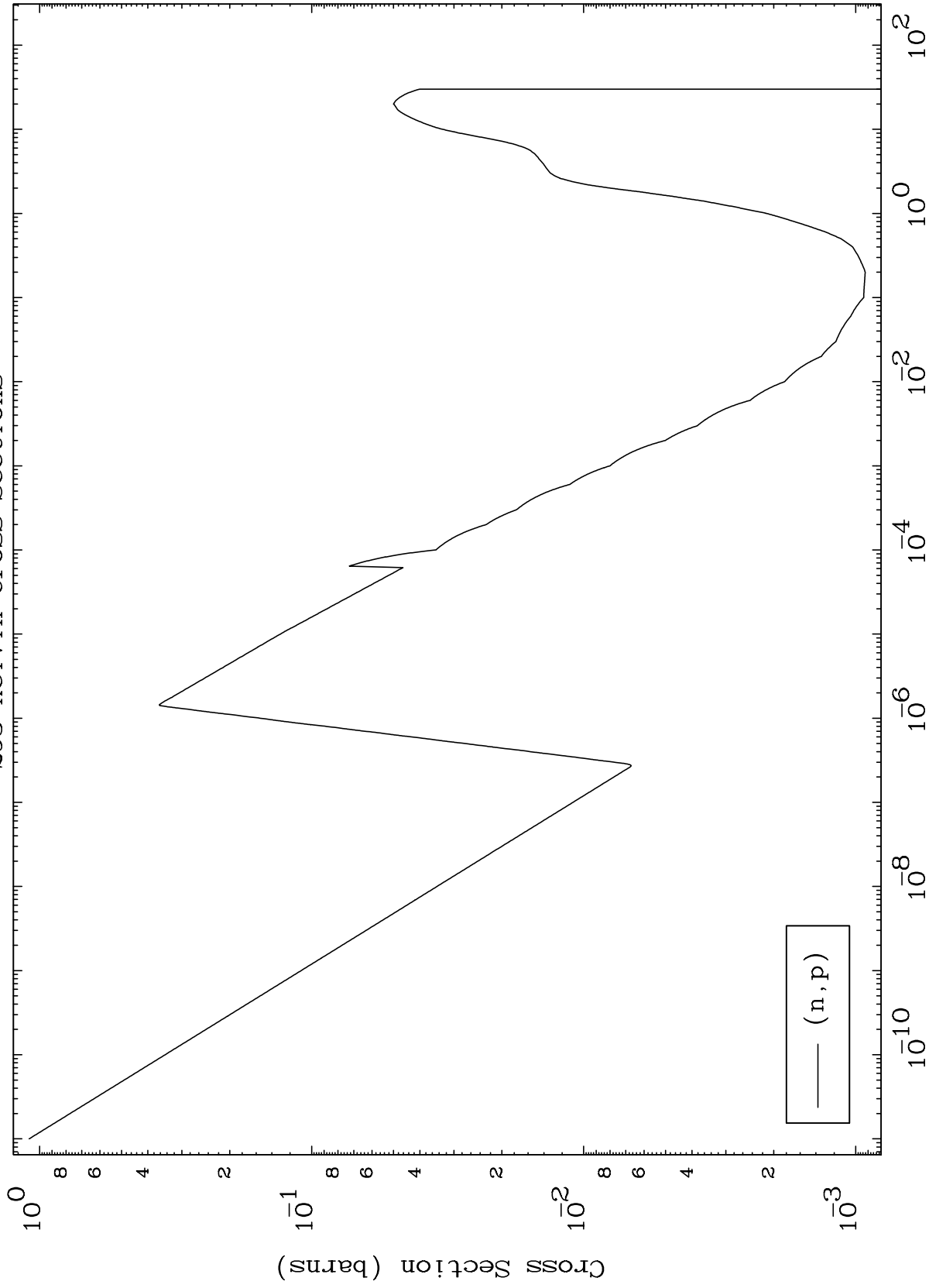
59-Pr-137



MAT 5913

(n,p) Levels  
293 Kelvin Cross Sections

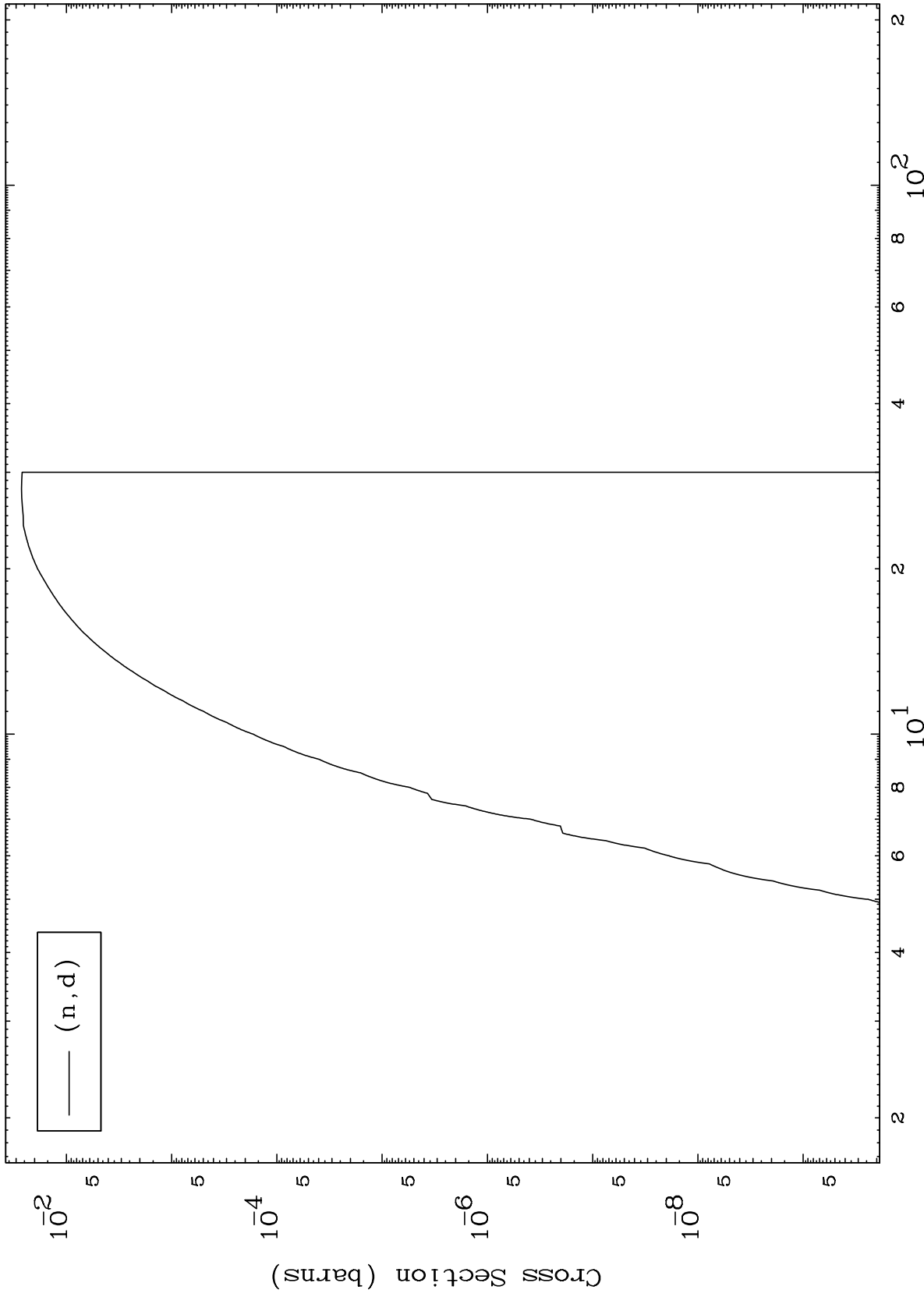
59-Pr-137



10

Incident Energy (MeV)

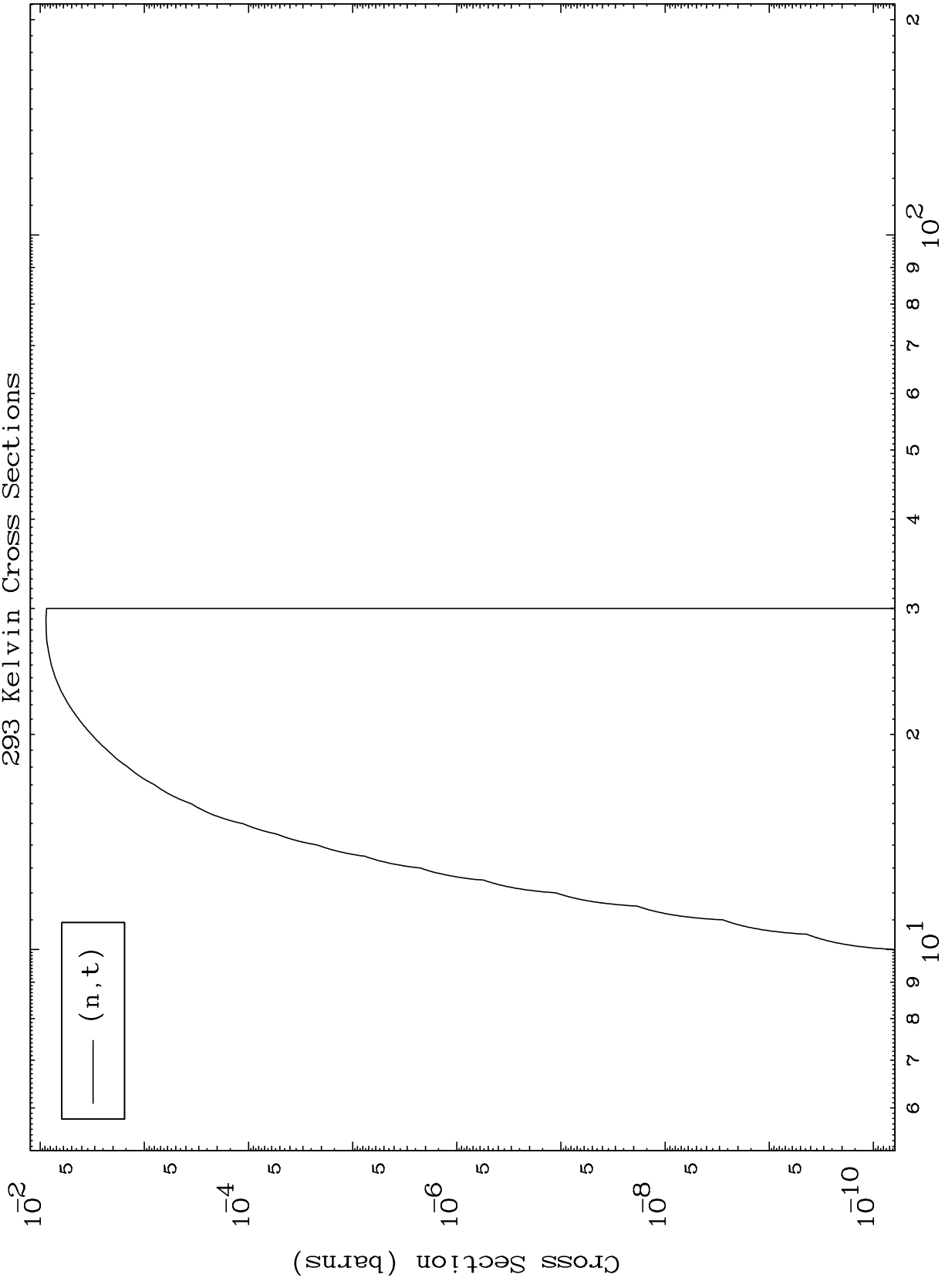
59-Pr-137



MAT 5913

(n,t) Levels  
293 Kelvin Cross Sections

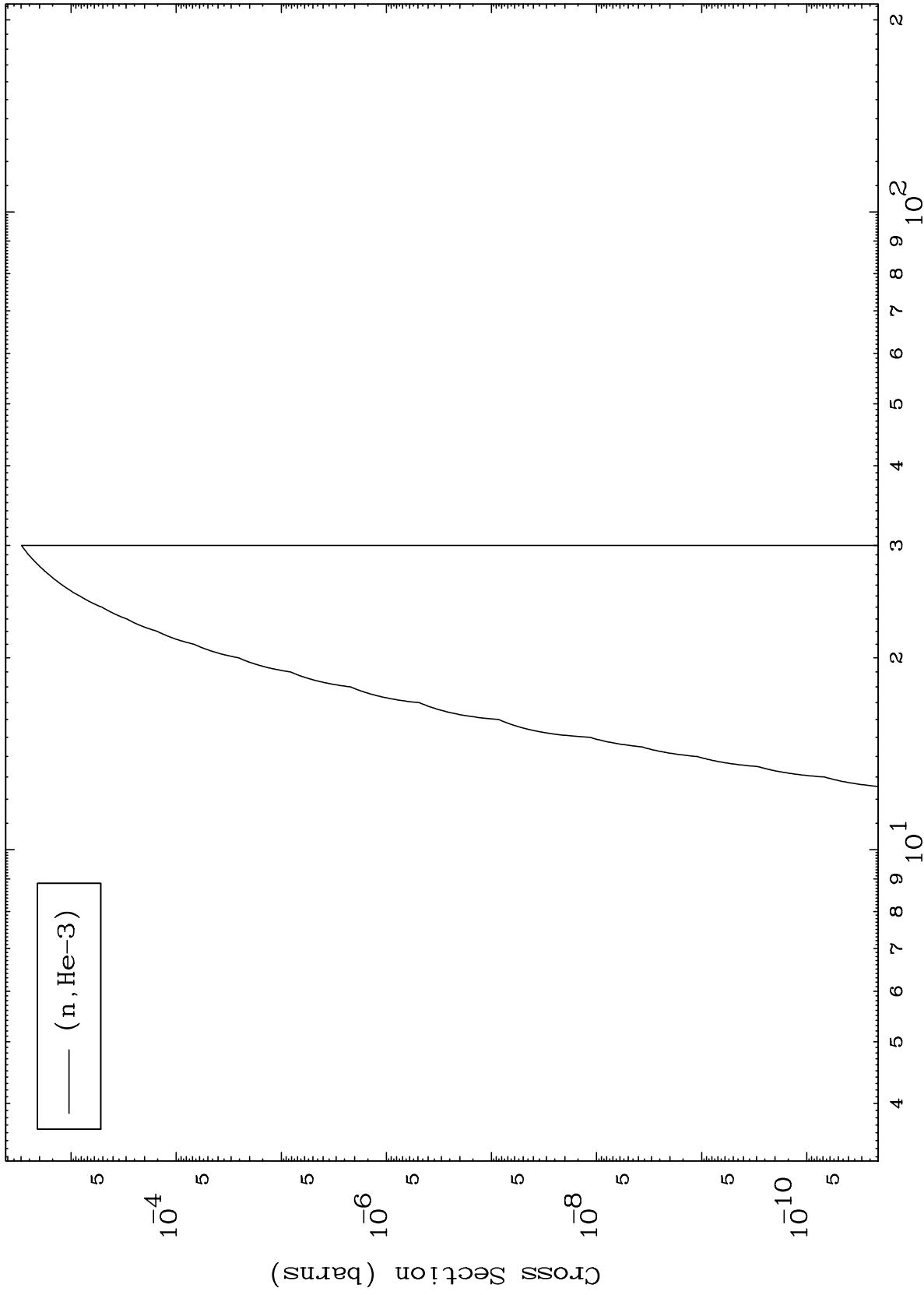
59-Pr-137



12

Incident Energy (MeV)

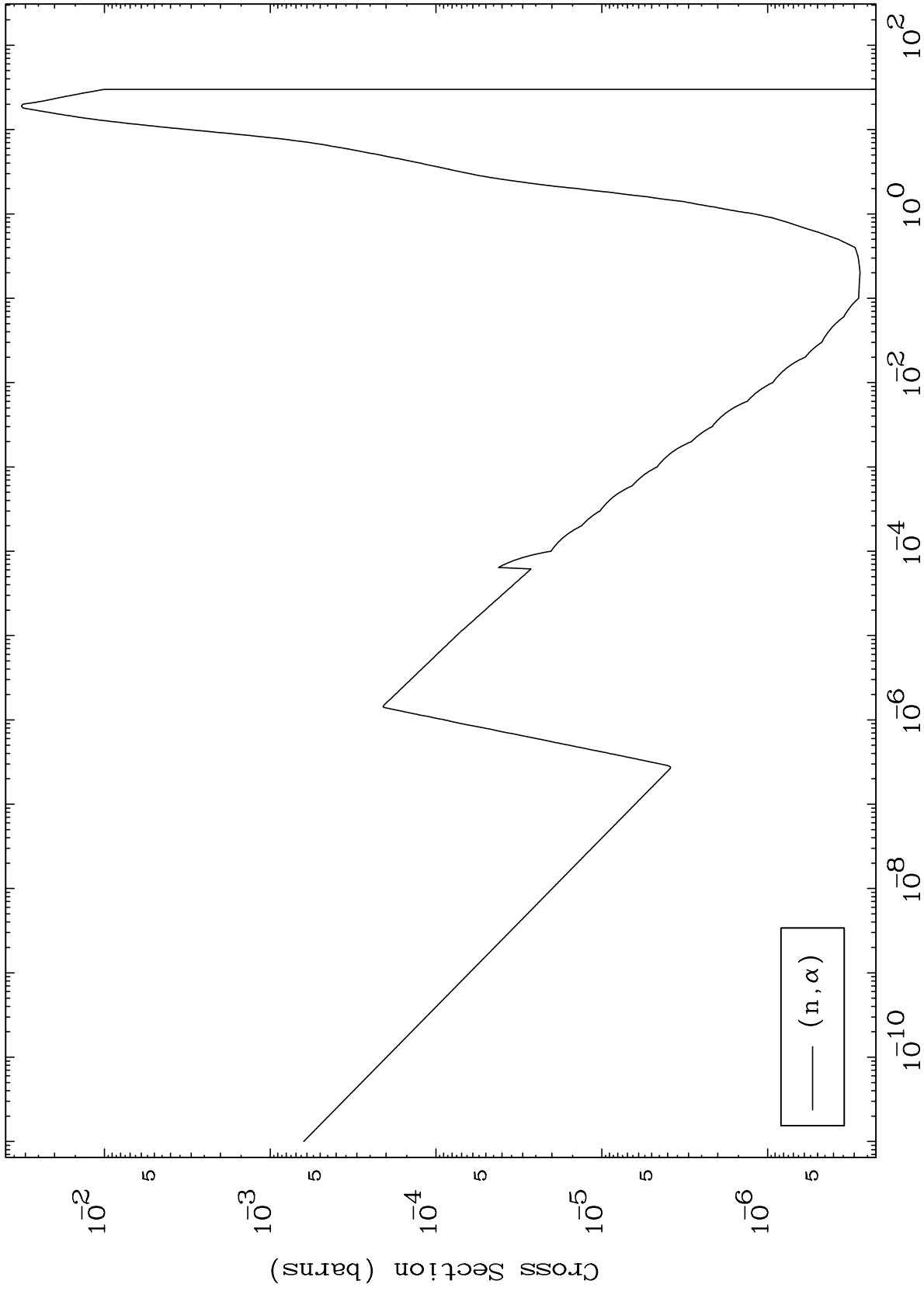
59-Pr-137



MAT 5913

(n,α) Levels  
293 Kelvin Cross Sections

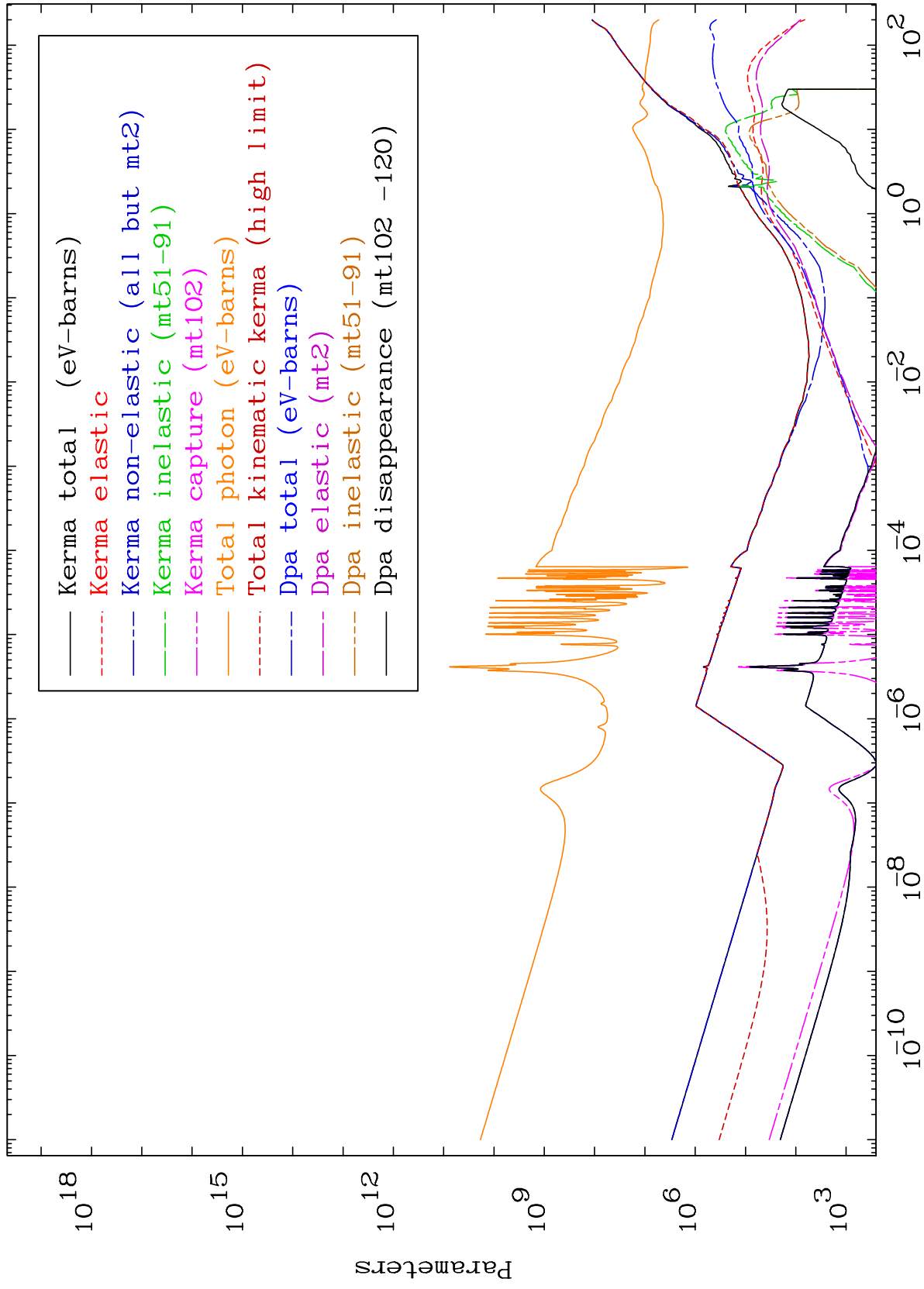
59-Pr-137



14

Incident Energy (MeV)

59-Pr-137

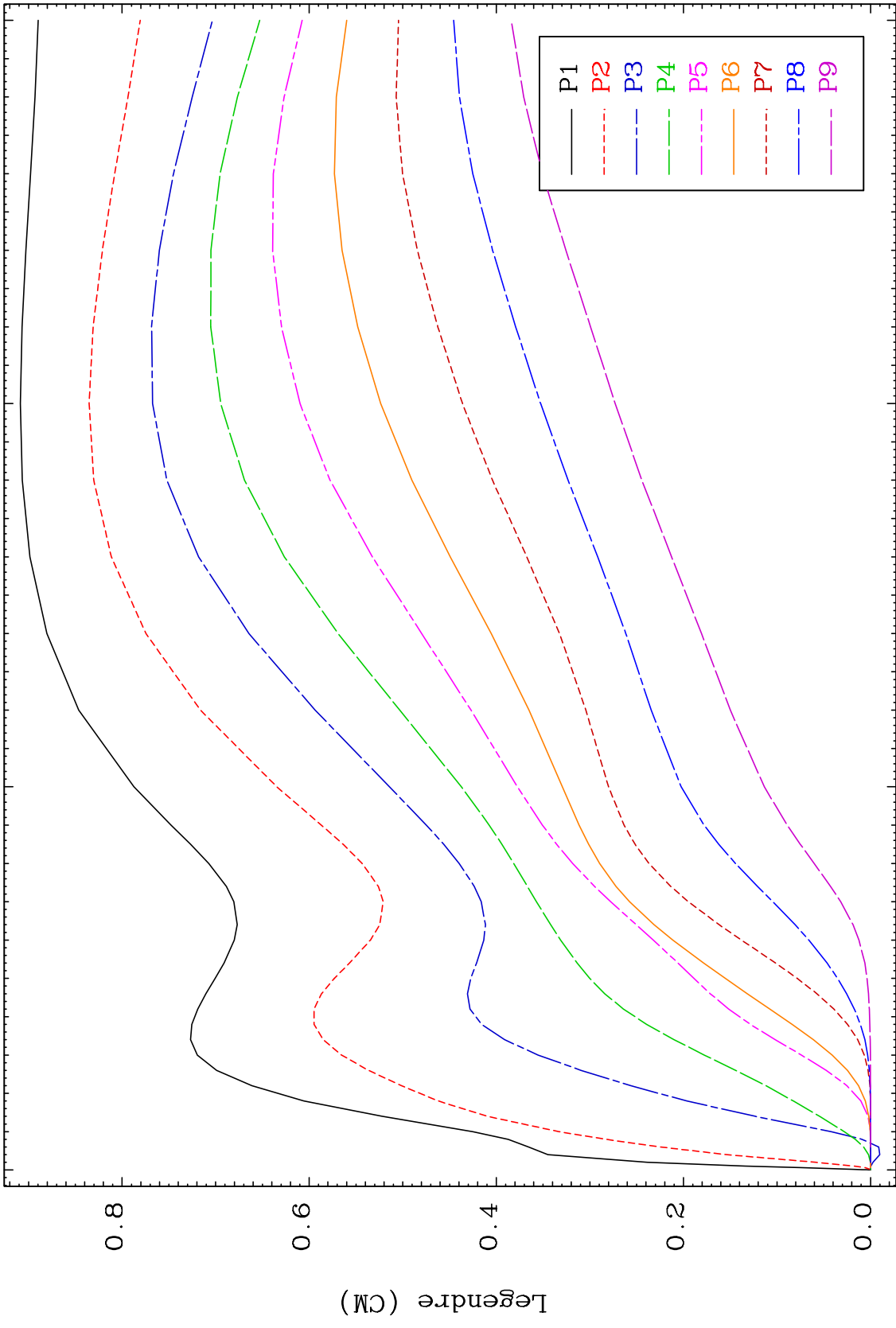




MAT 5913

Elastic Legendre Coefficients

59-Pr-137



16

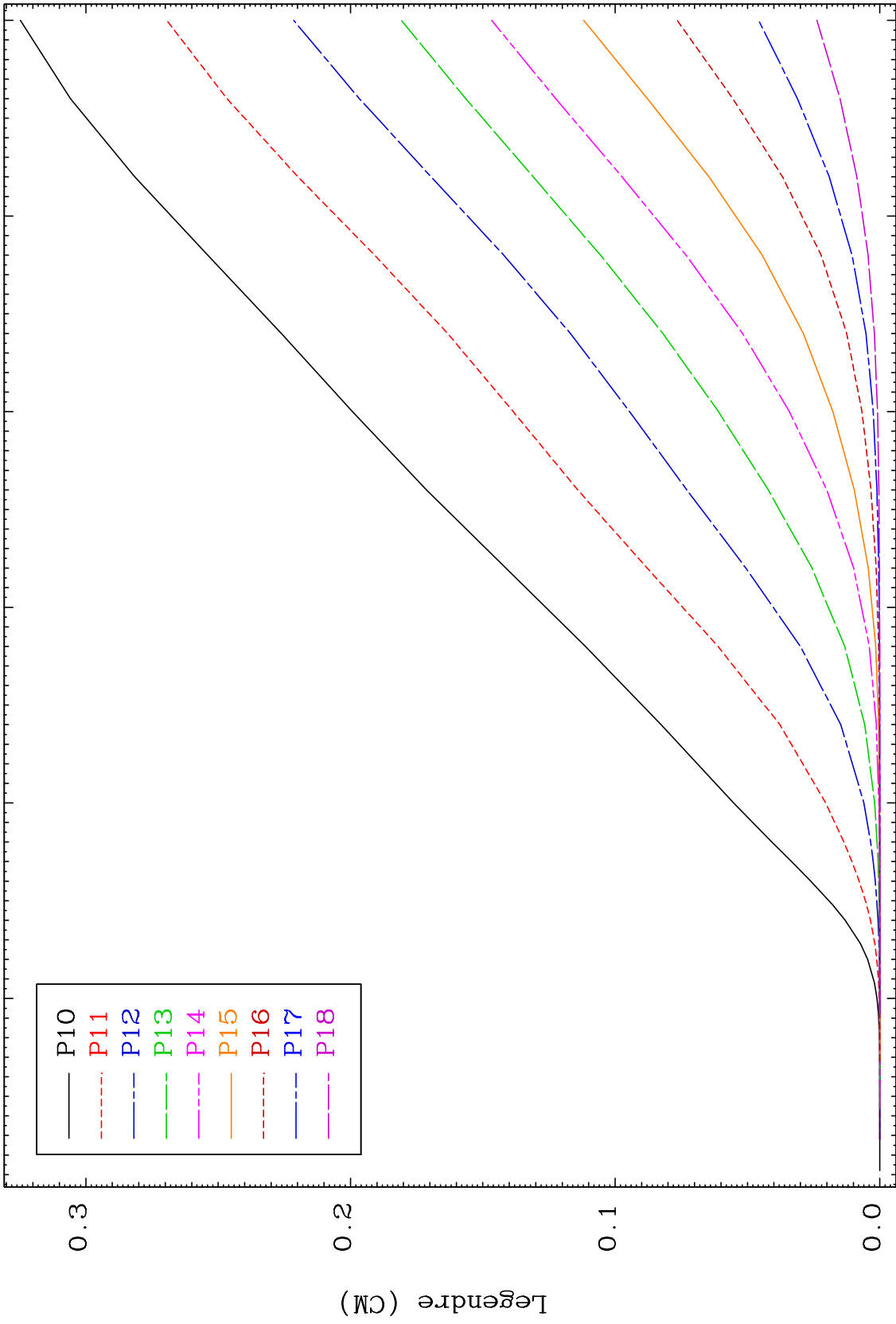
Incident Energy (MeV)

59-Pr-137

MAT 5913

Elastic Legendre Coefficients

59-Pr-137



17

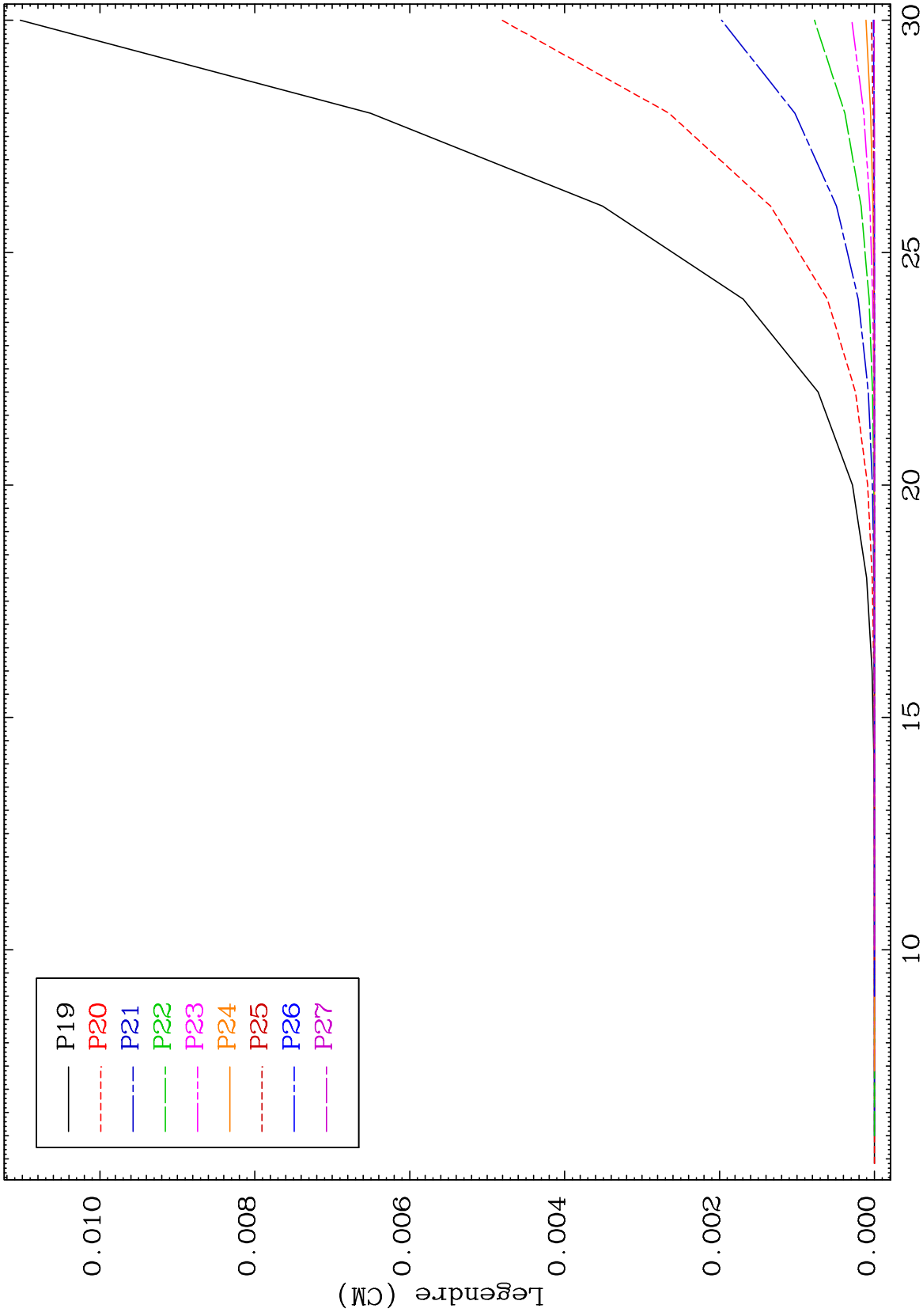
Incident Energy (MeV)

59-Pr-137

MAT 5913

### Elastic Legendre Coefficients

59-Pr-137



18

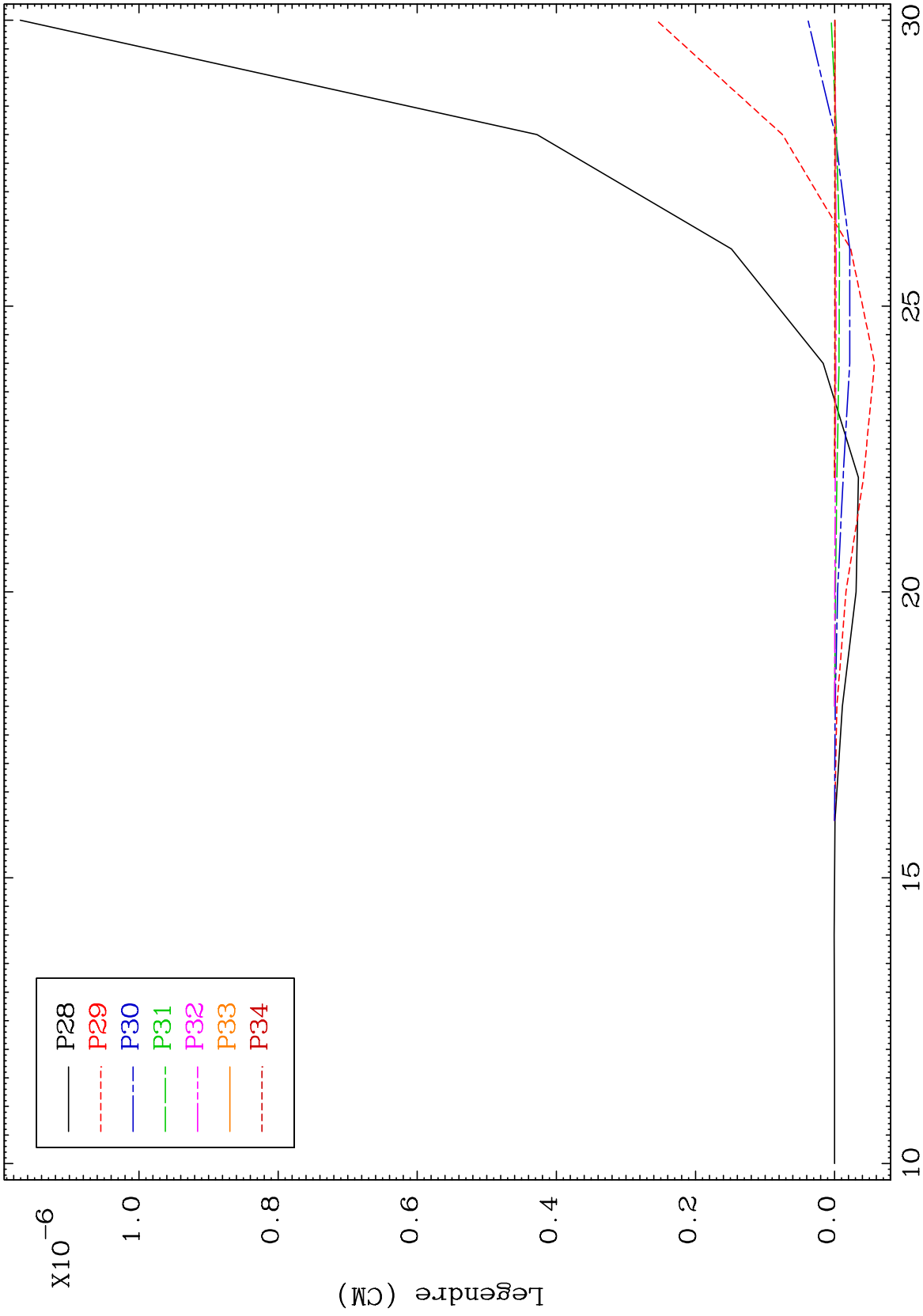
Incident Energy (MeV)

59-Pr-137

MAT 5913

Elastic Legendre Coefficients

59-Pr-137



19

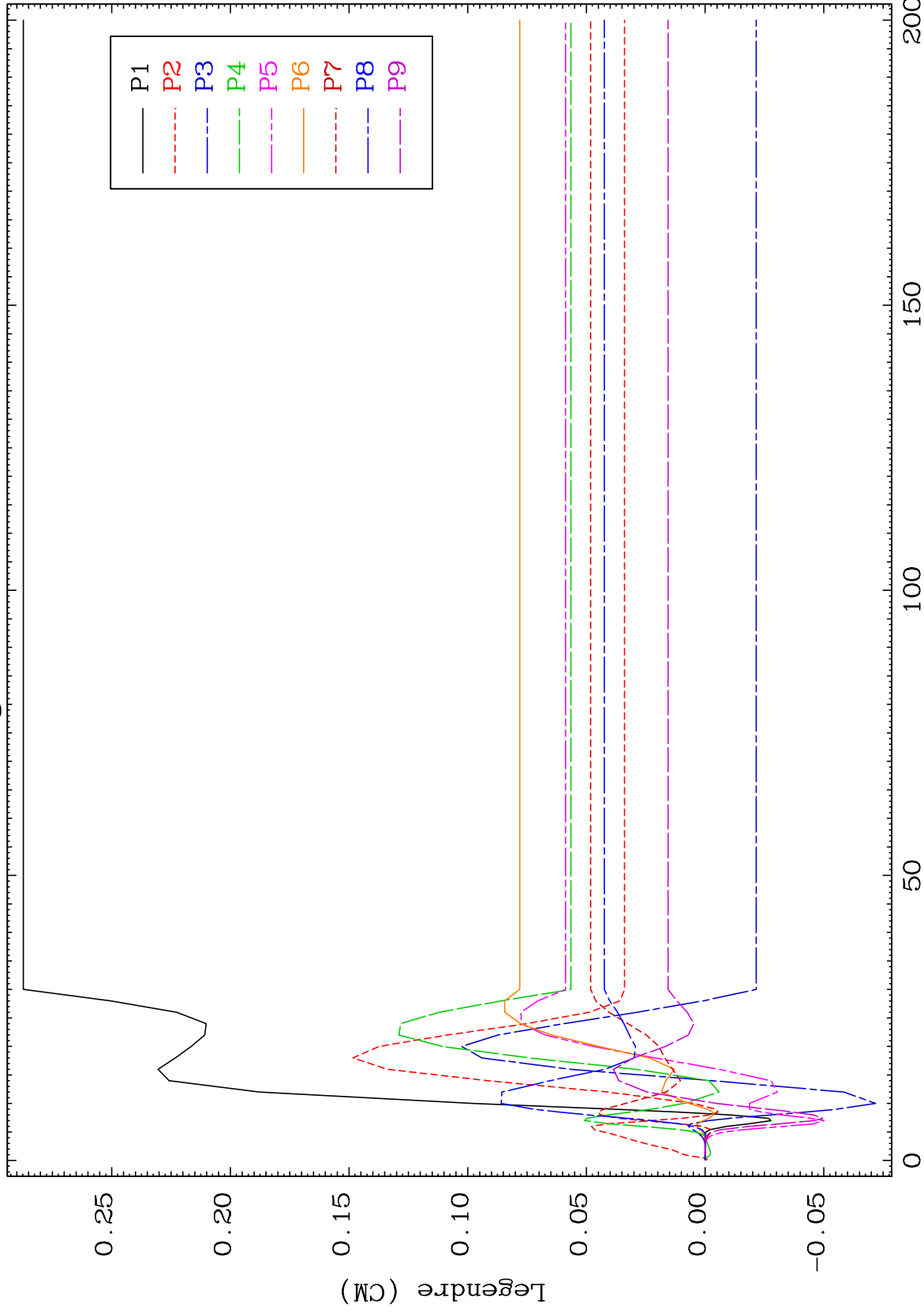
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



59-Pr-137

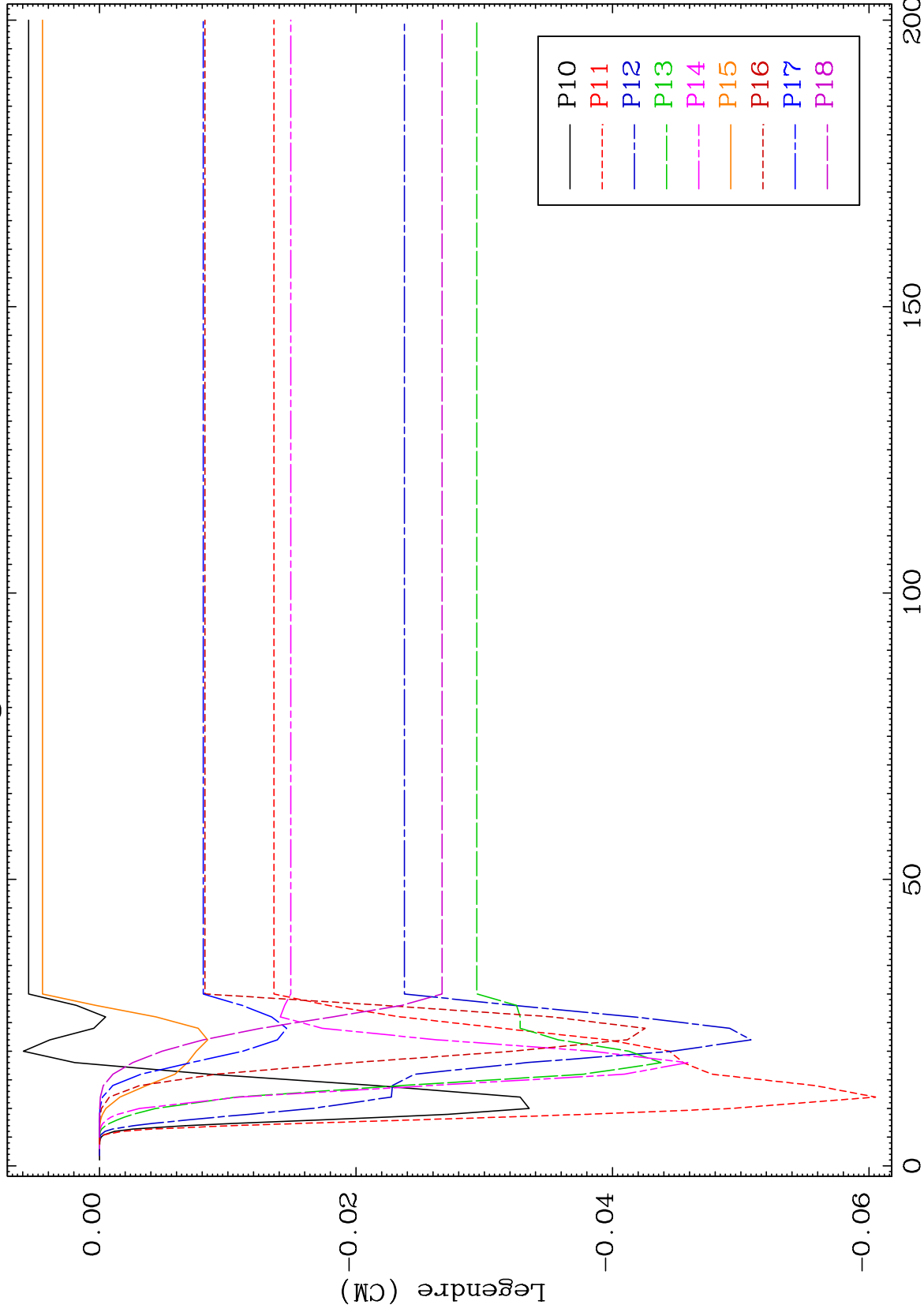
Incident Energy (MeV)

20

MAT 5913

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

59-Pr-137



21

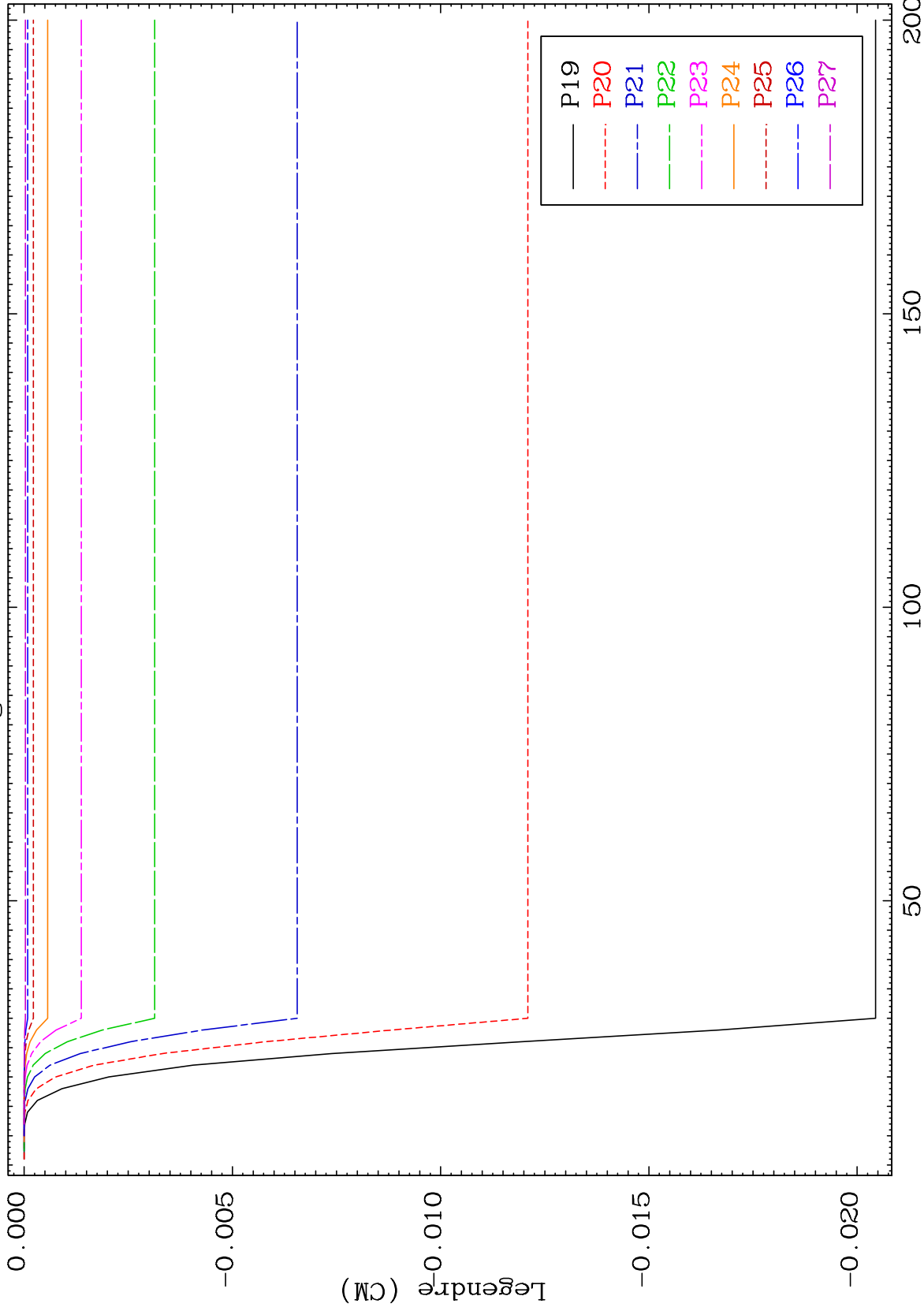
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



22

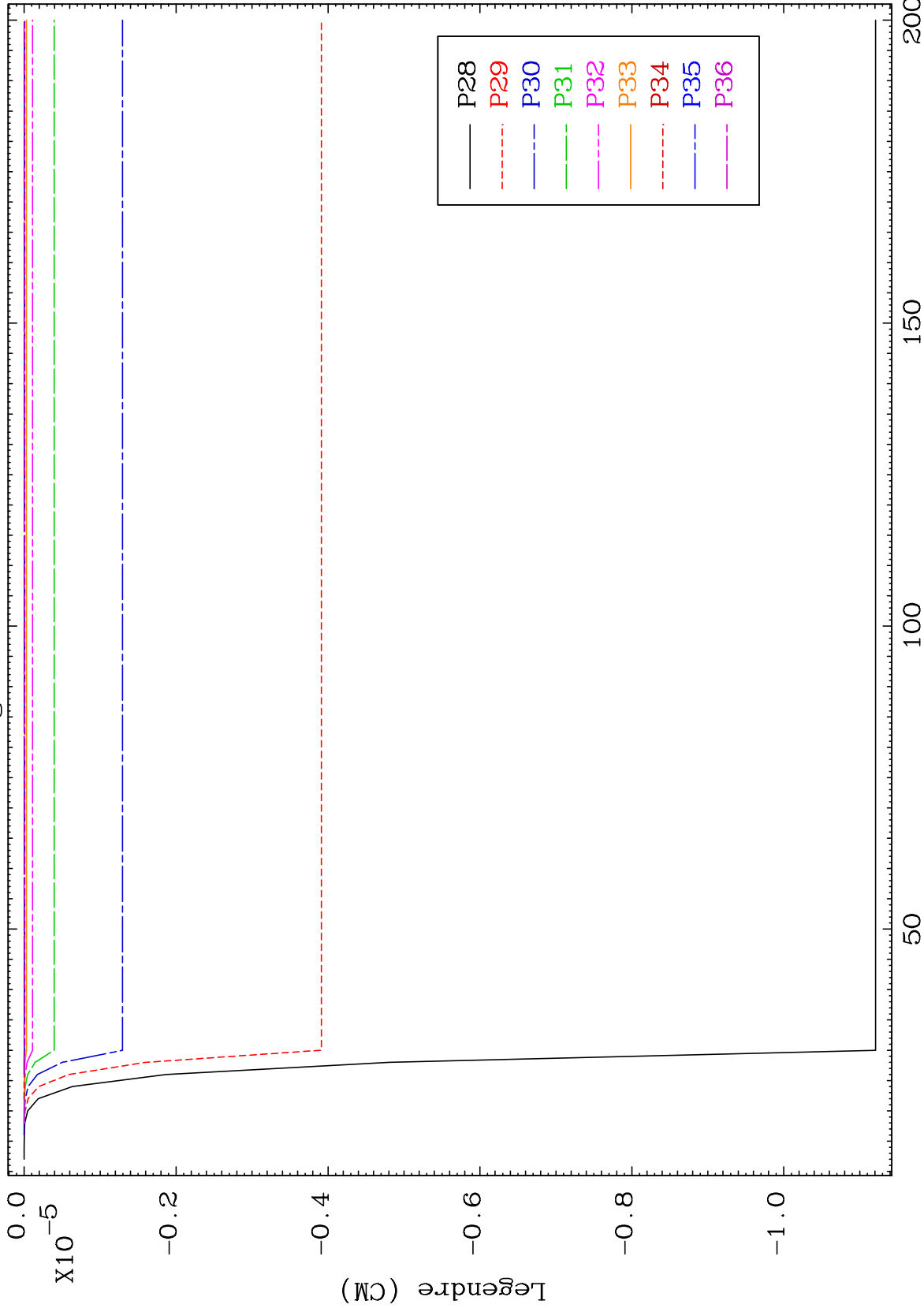
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



23

Incident Energy (MeV)

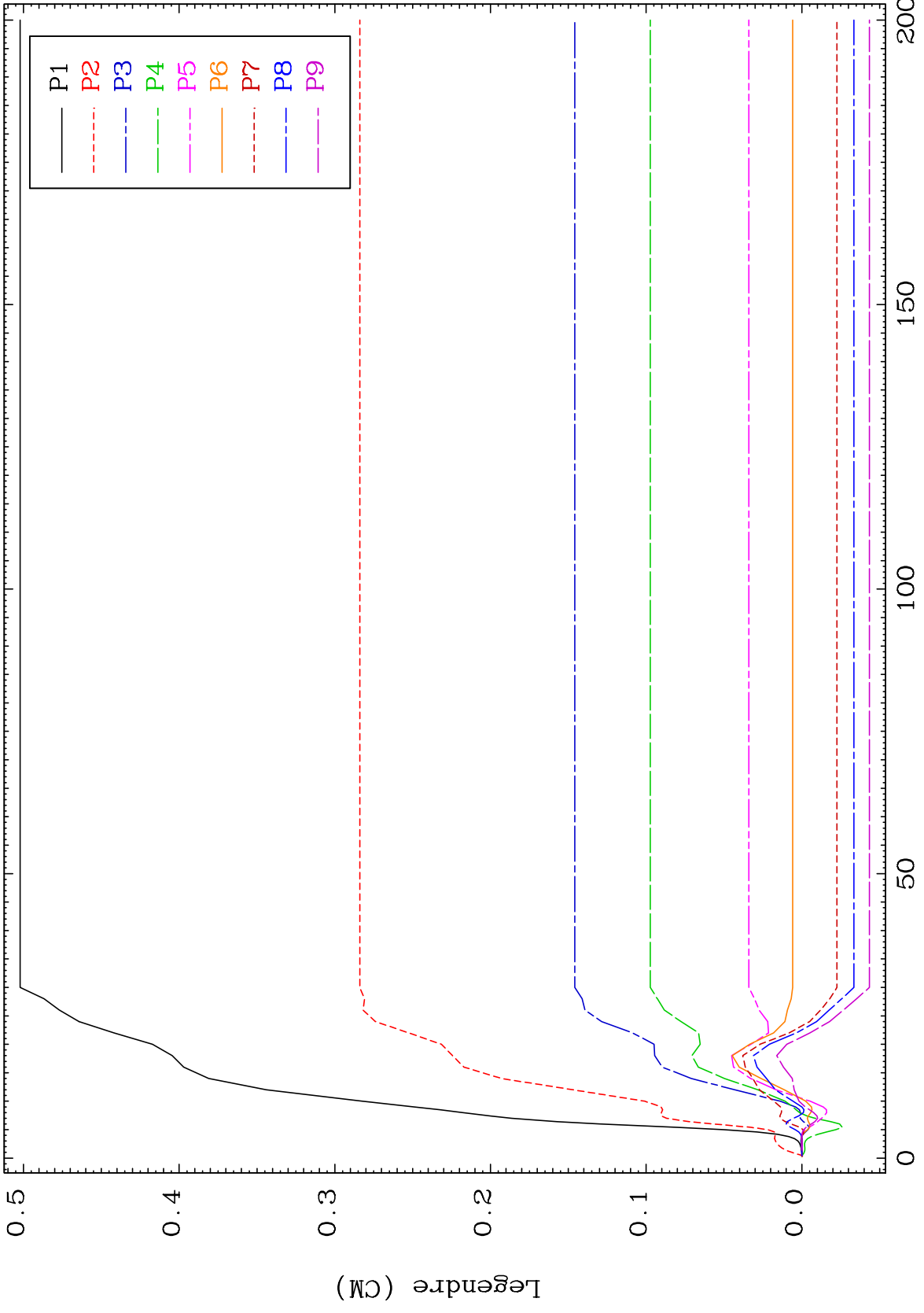
59-Pr-137



MAT 5913

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

59-Pr-137



24

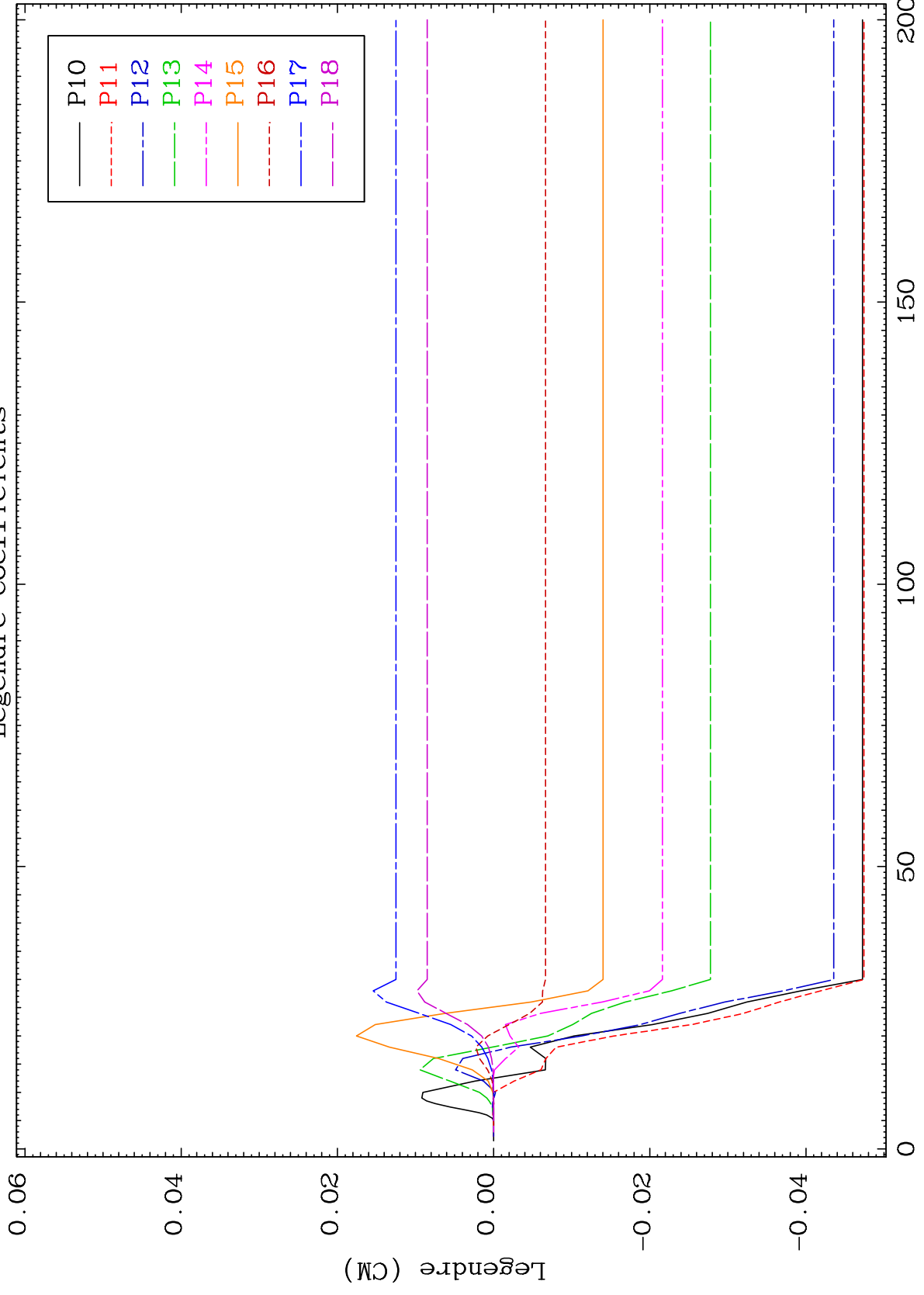
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

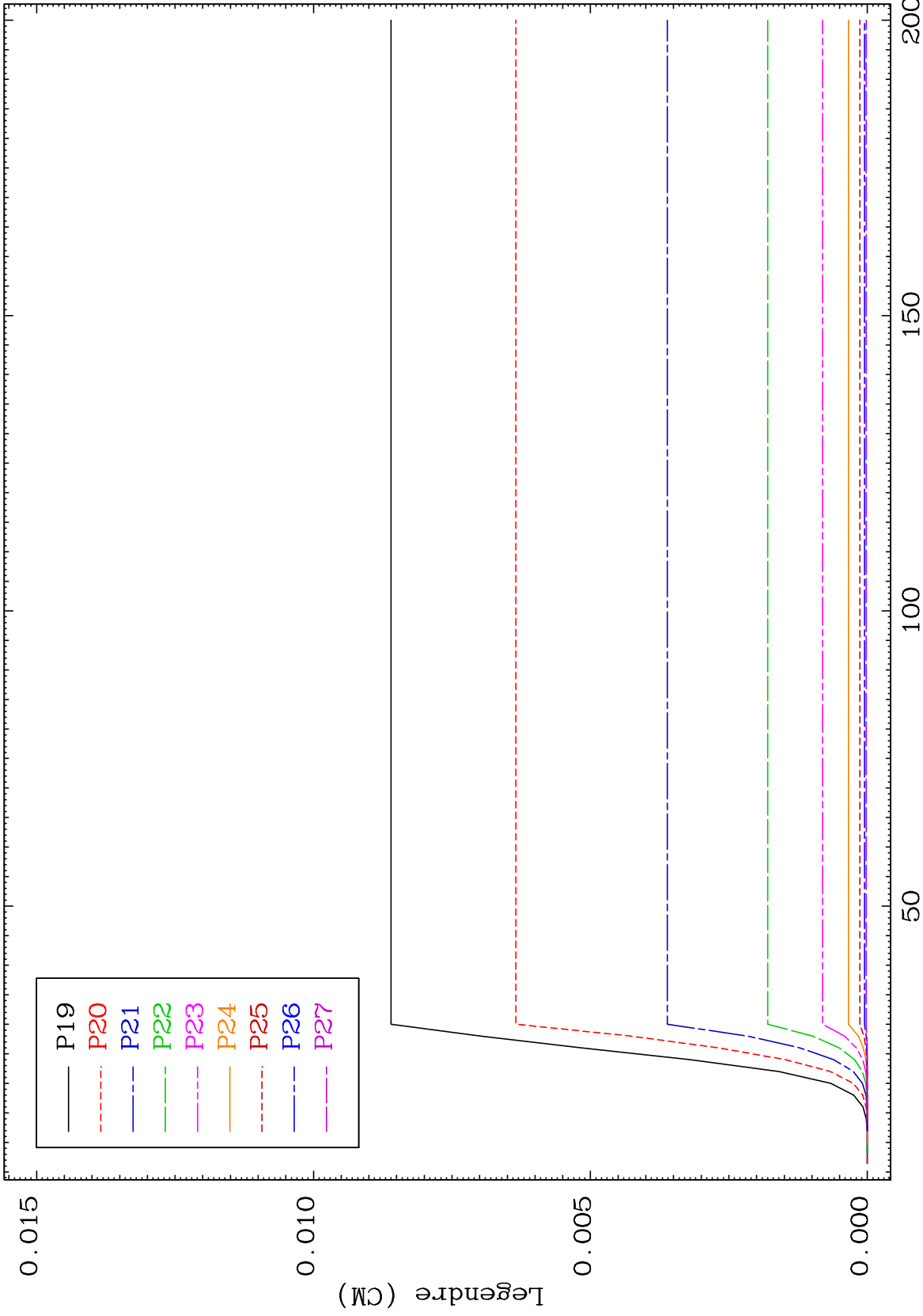
59-Pr-137



25

Incident Energy (MeV)

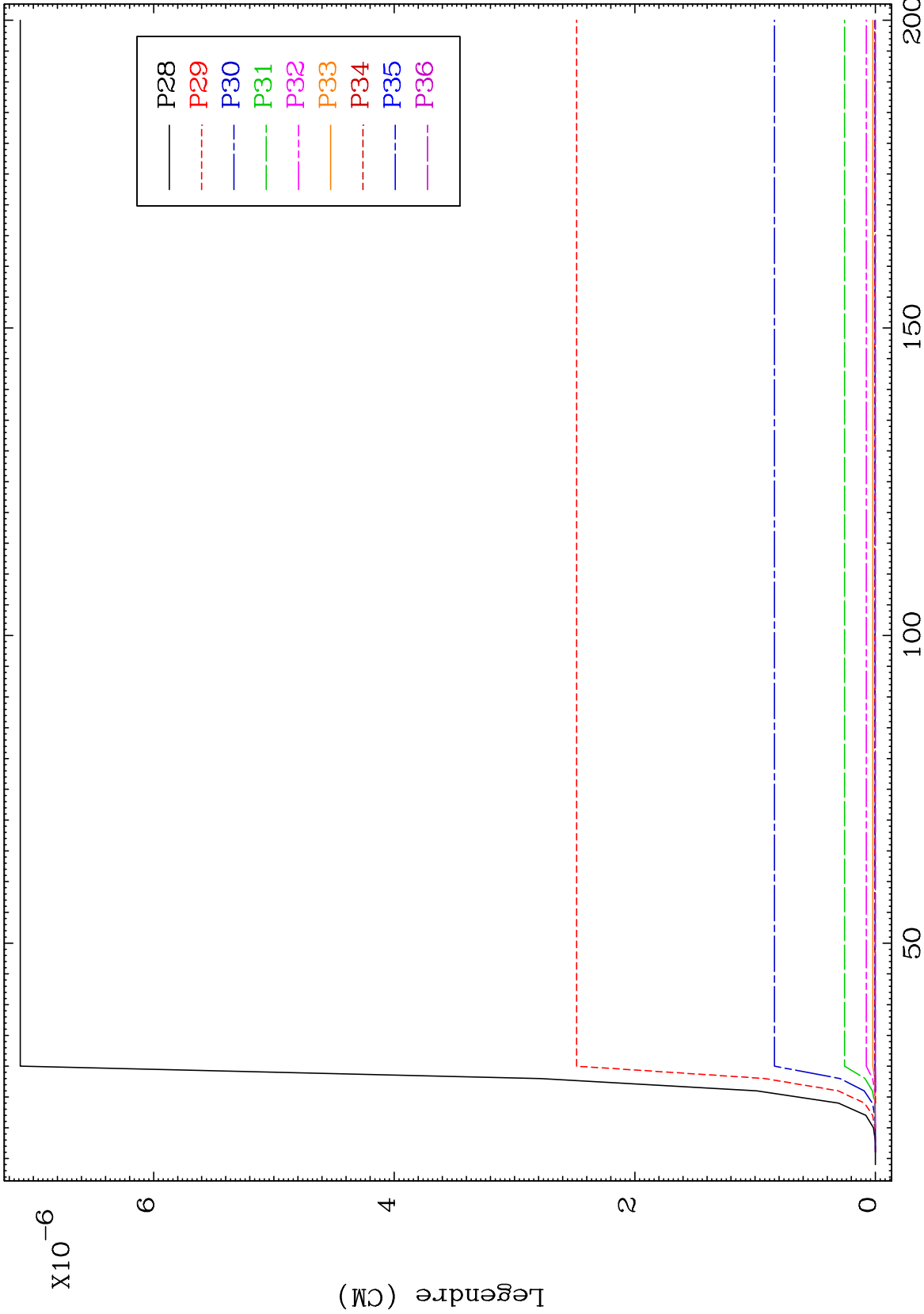
59-Pr-137



MAT 5913

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

59-Pr-137



27

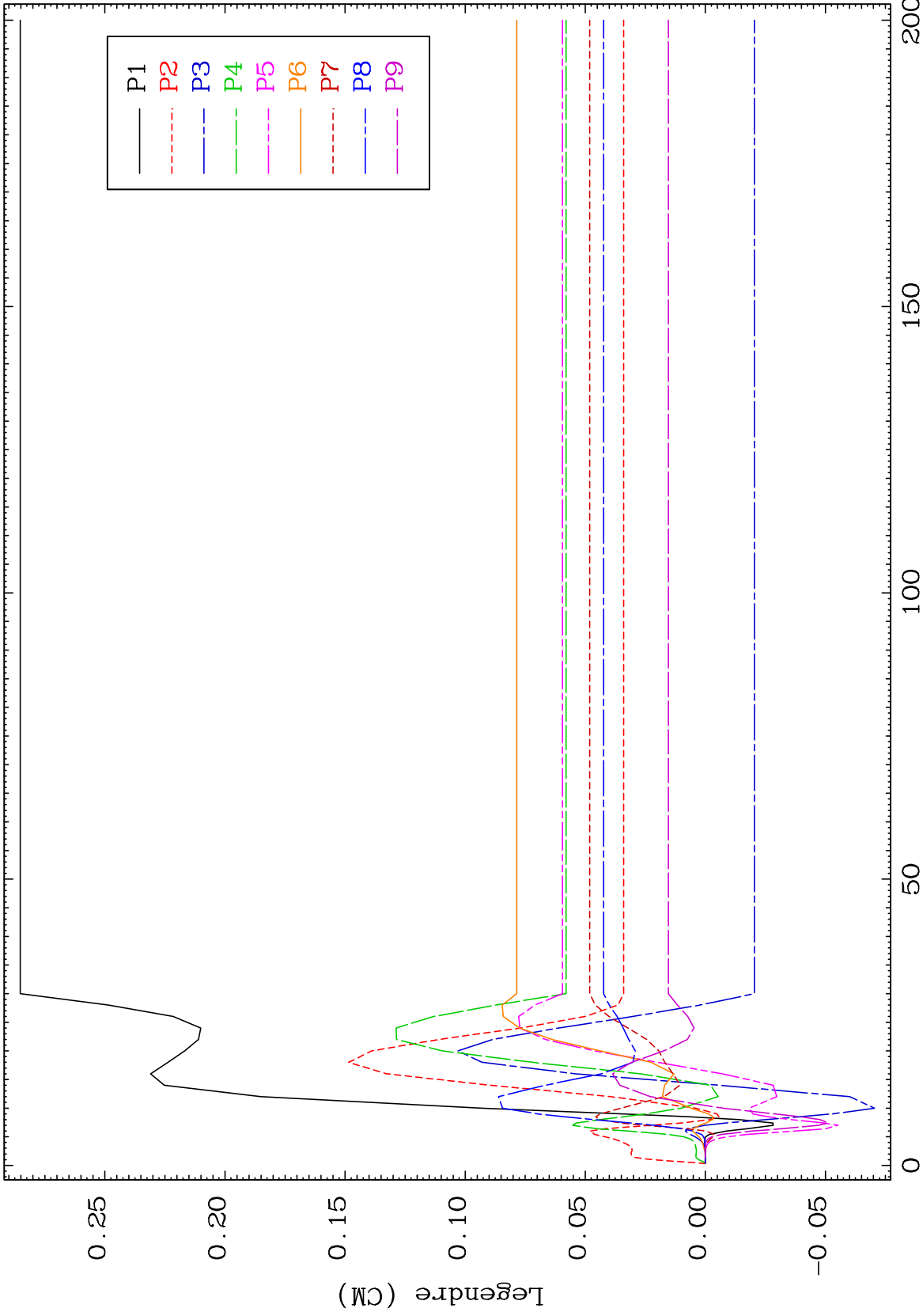
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



28

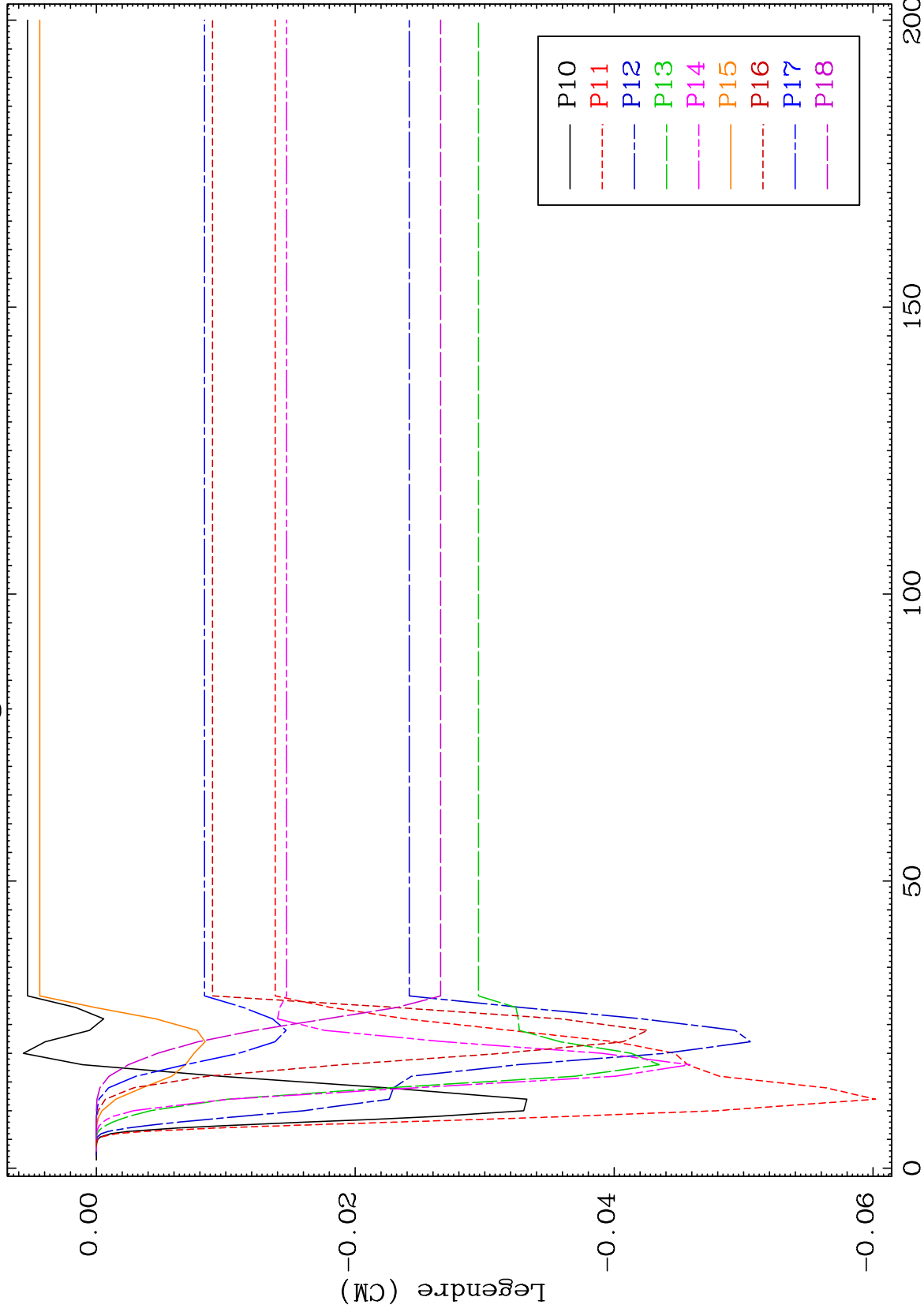
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



29

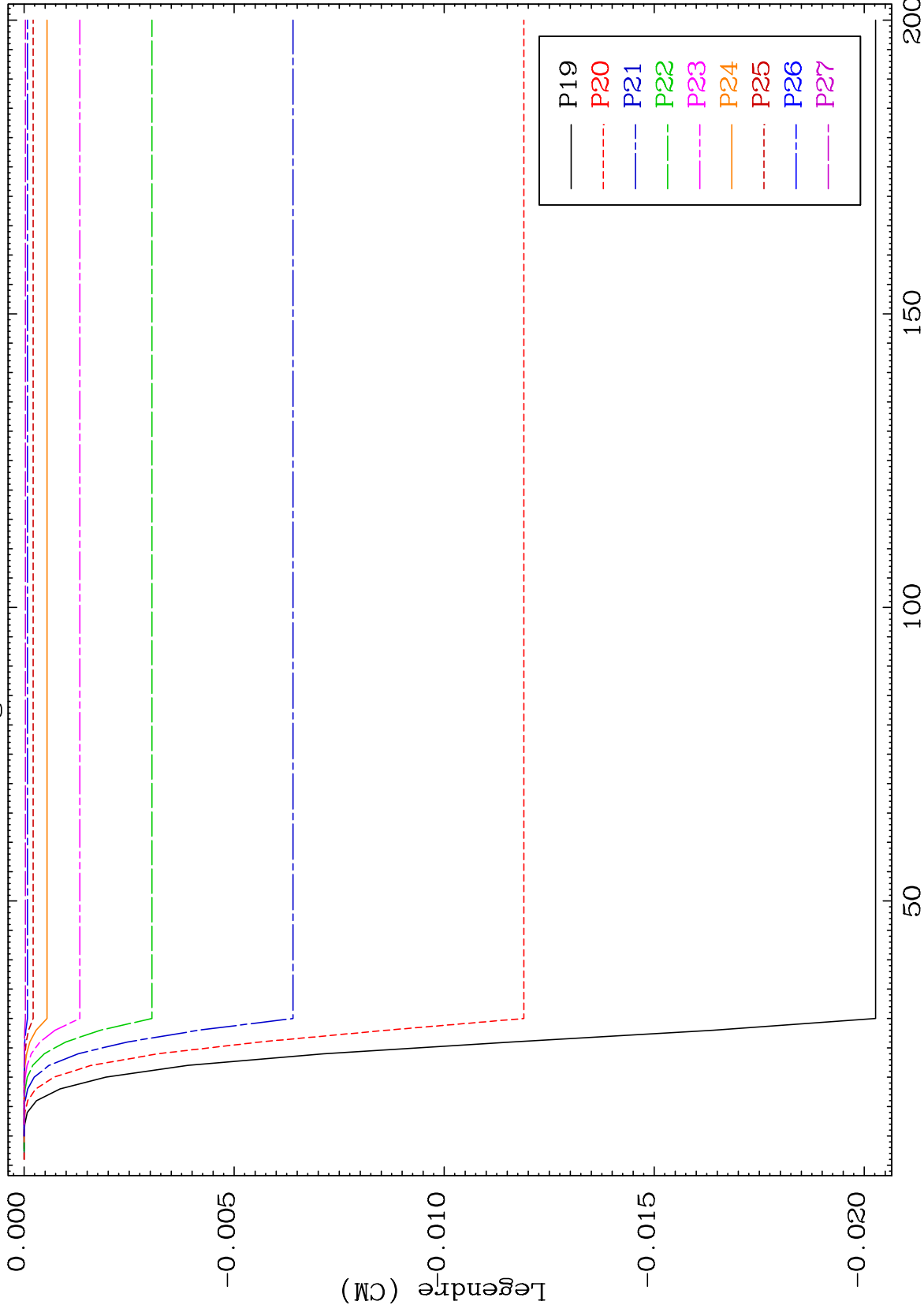
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



59-Pr-137

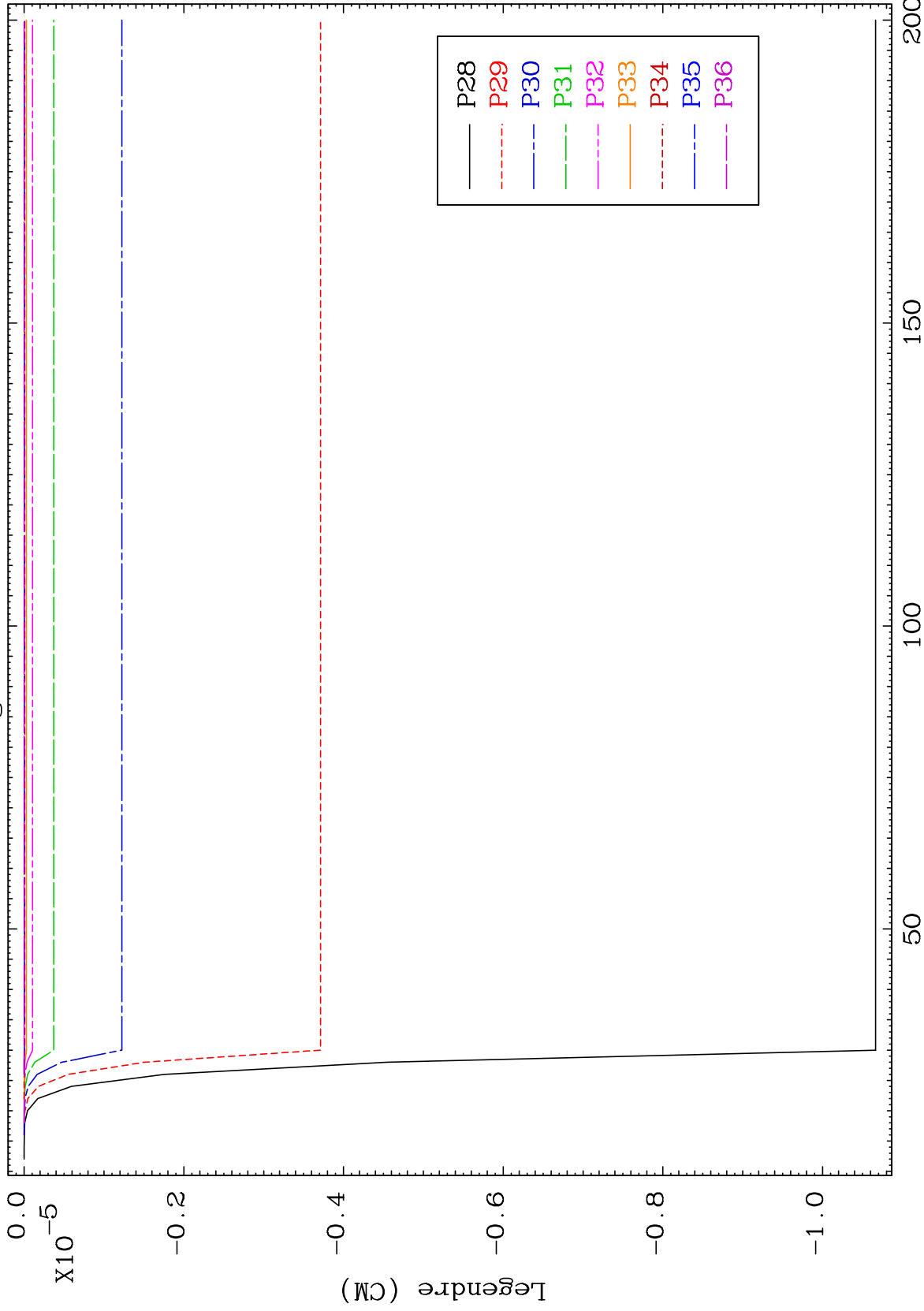
Incident Energy (MeV)

30

MAT 5913

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

59-Pr-137



31

Incident Energy (MeV)

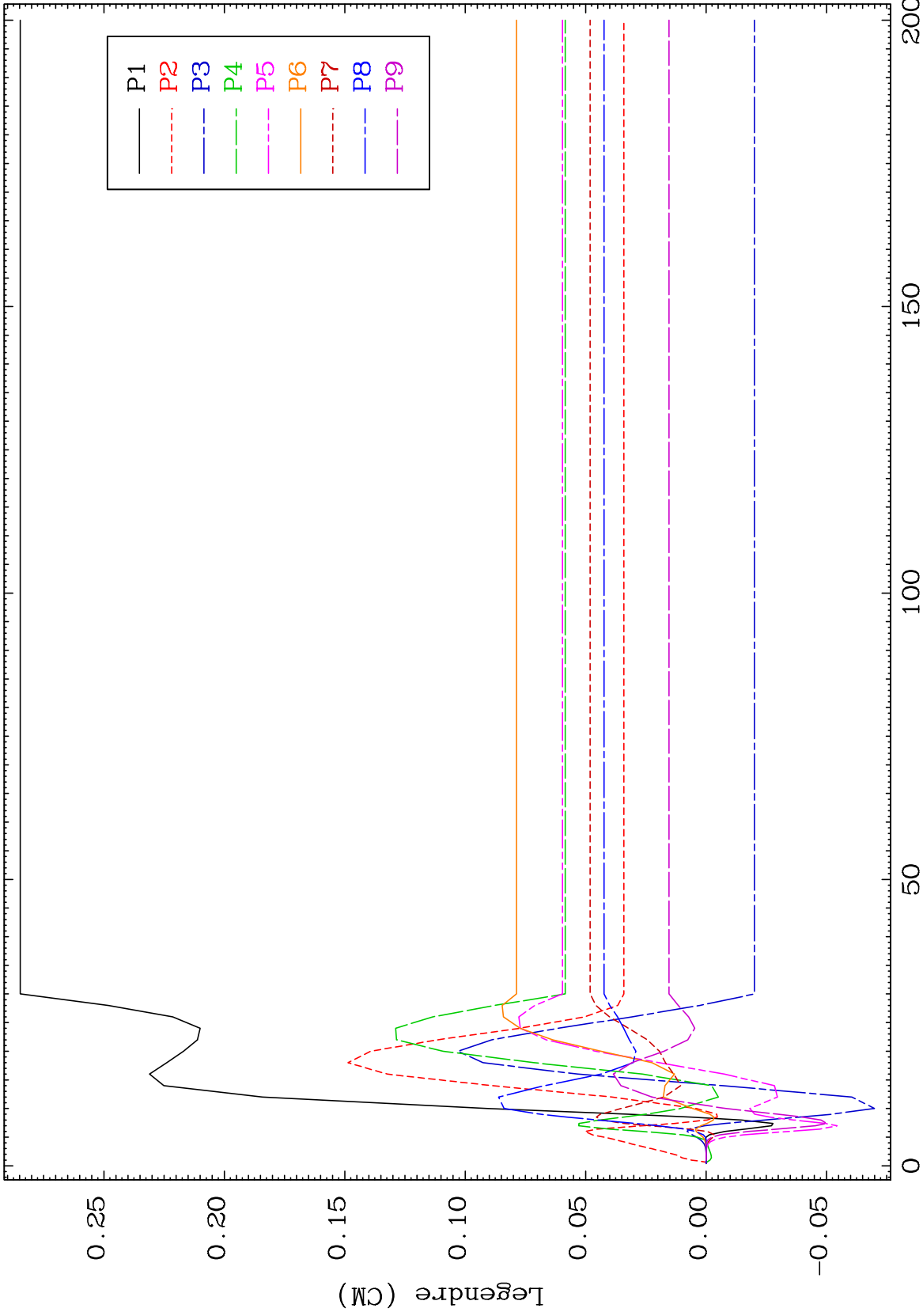
59-Pr-137



MAT 5913

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

59-Pr-137



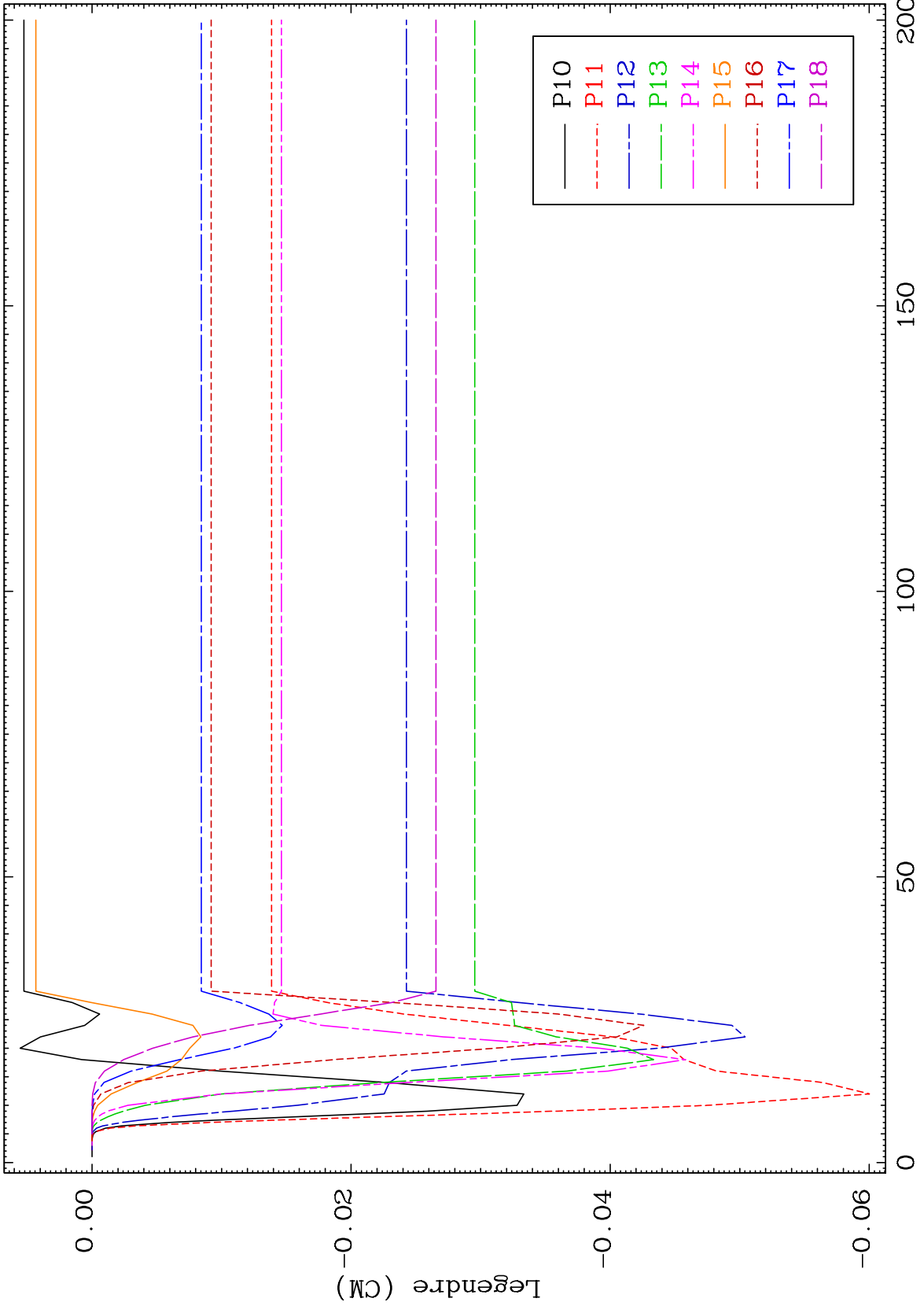
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59-Pr-137

MAT 5913

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

59-Pr-137



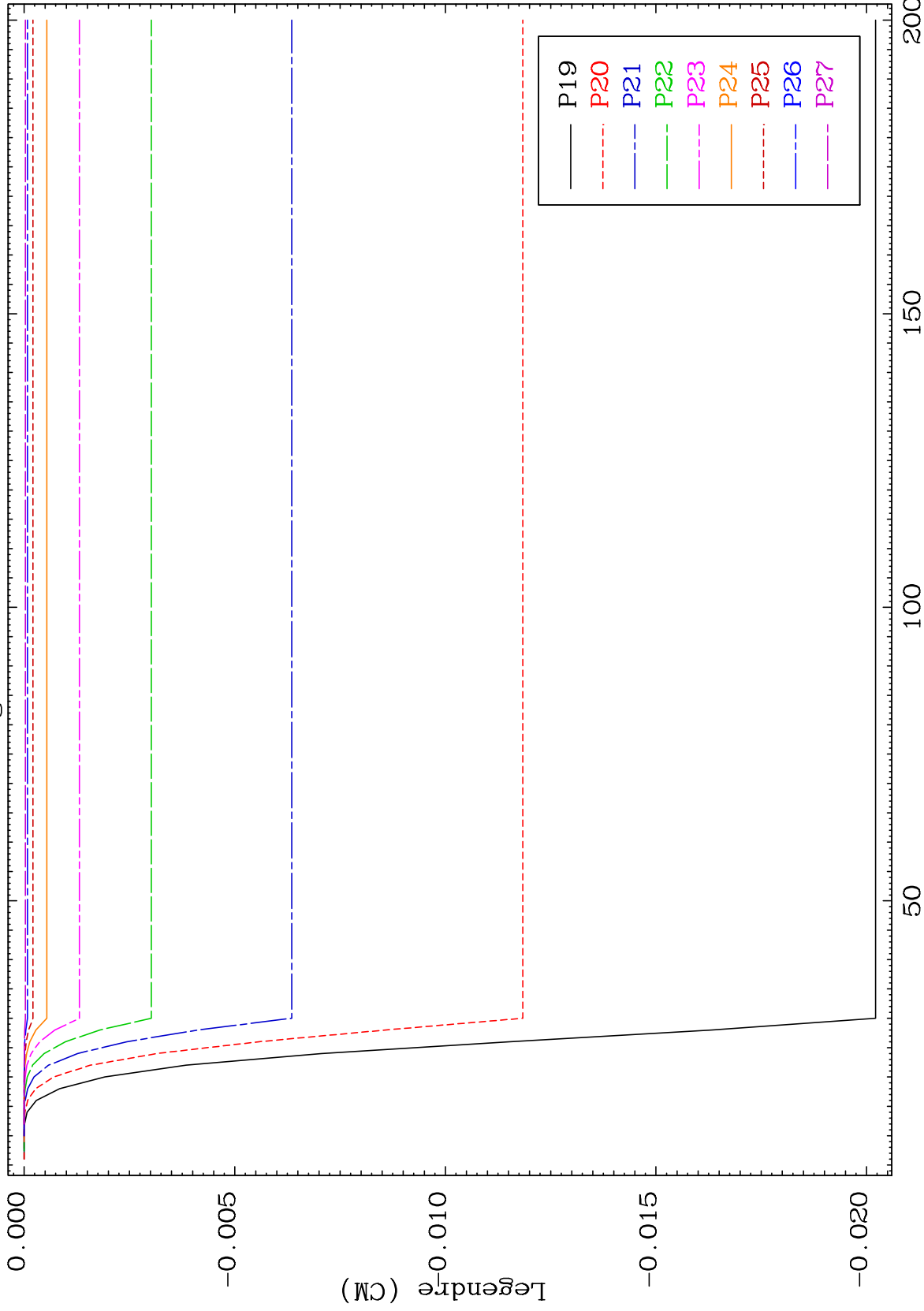
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59-Pr-137

MAT 5913

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

59-Pr-137



34

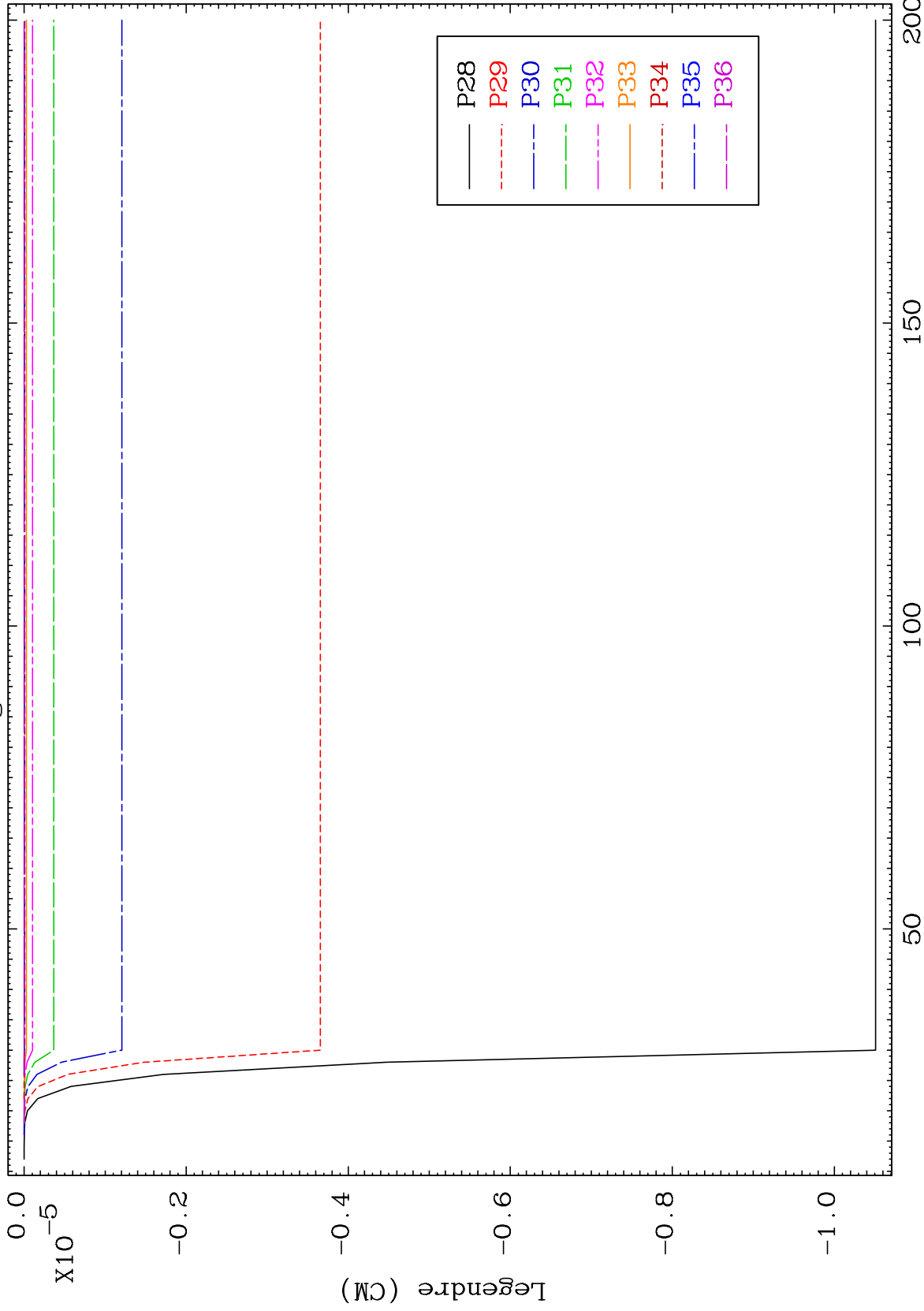
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



35

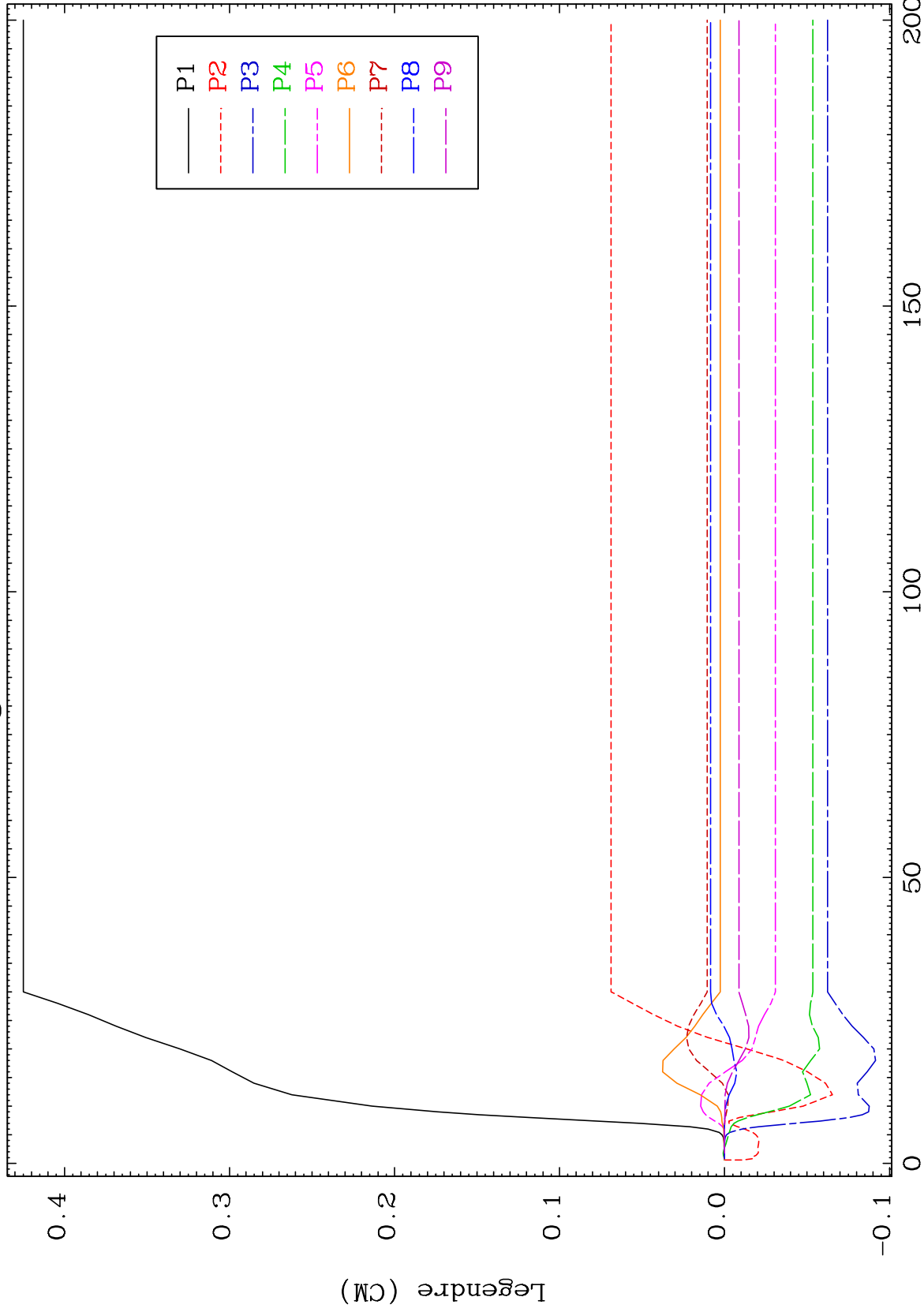
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



36

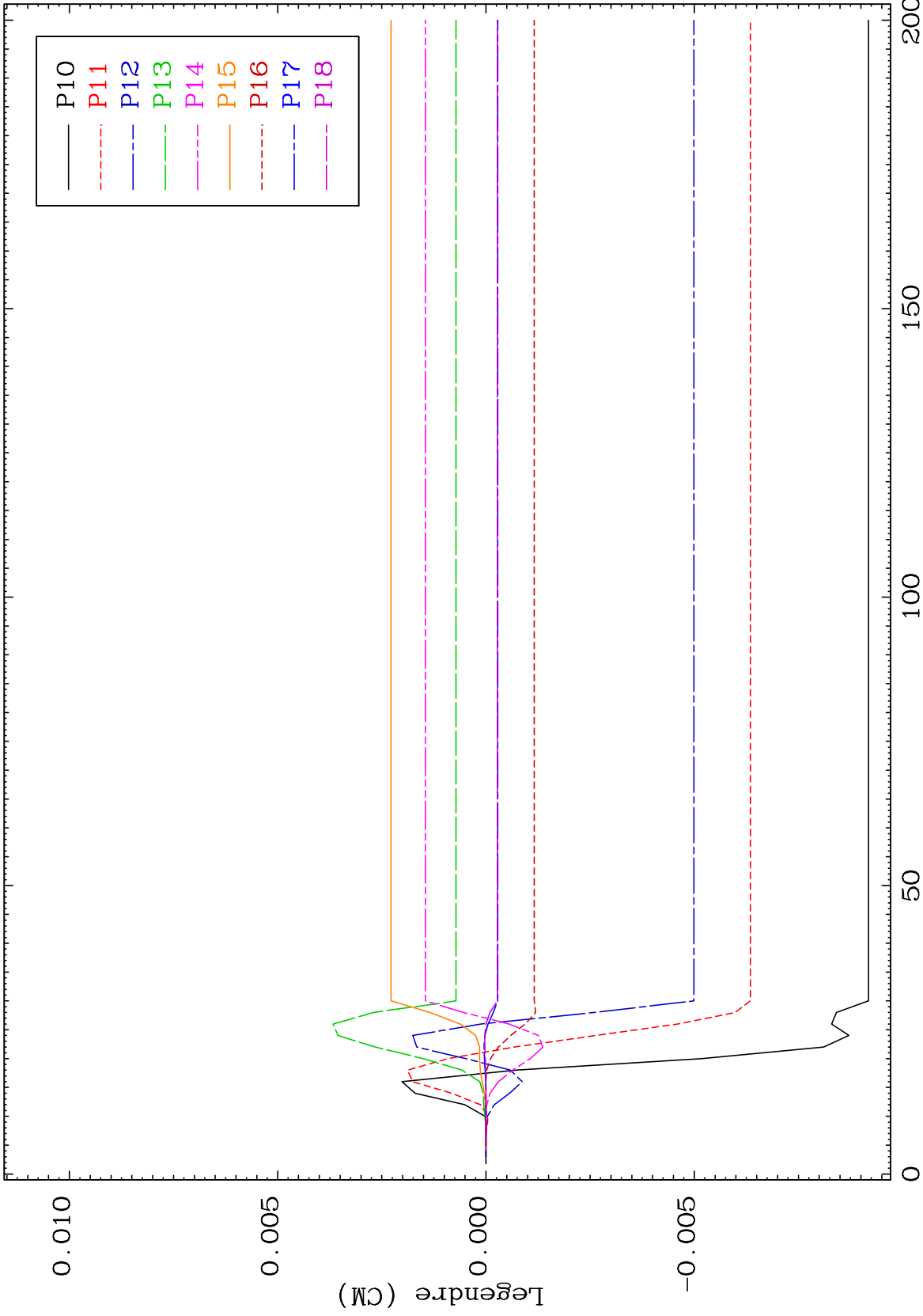
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



37

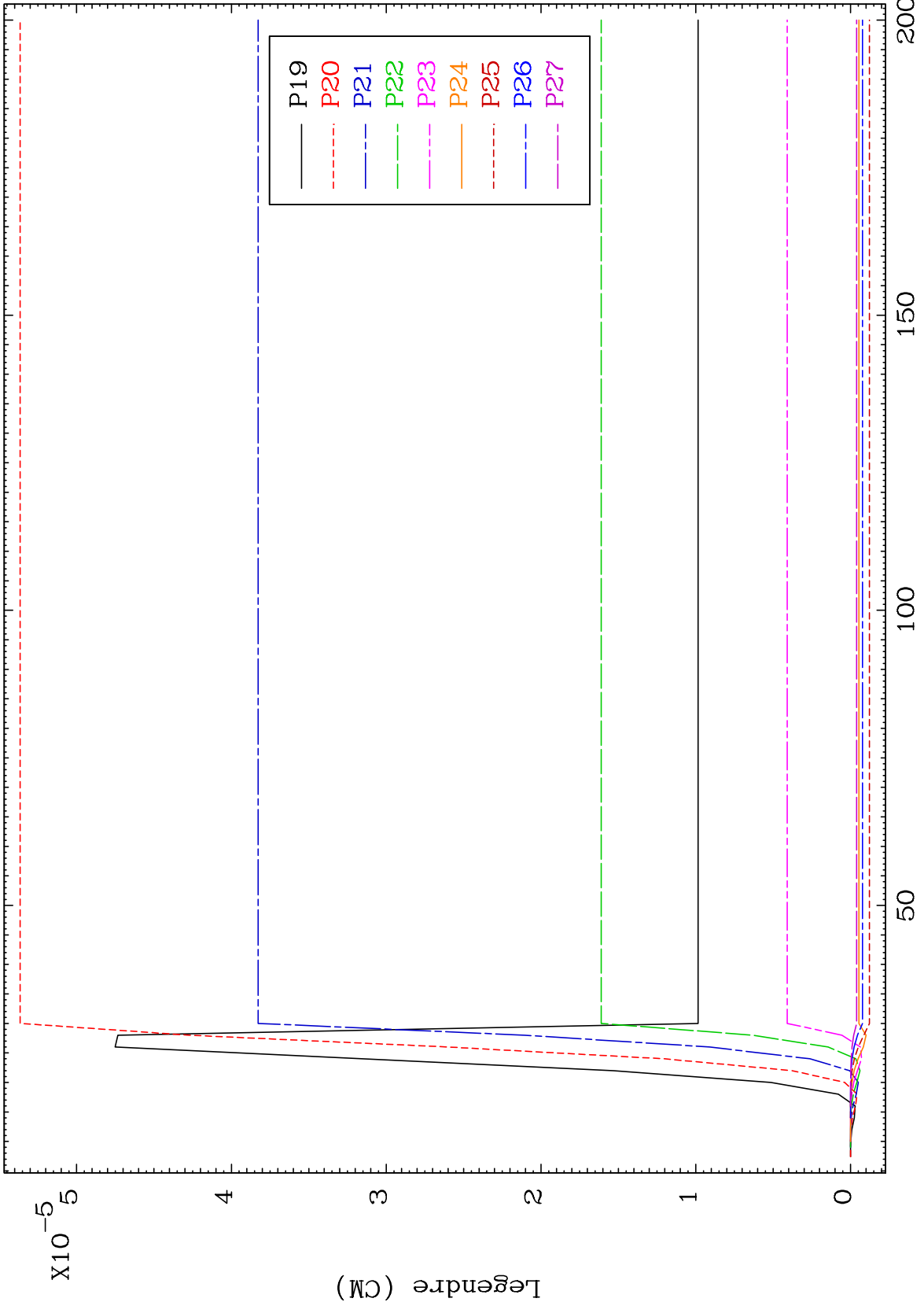
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



38

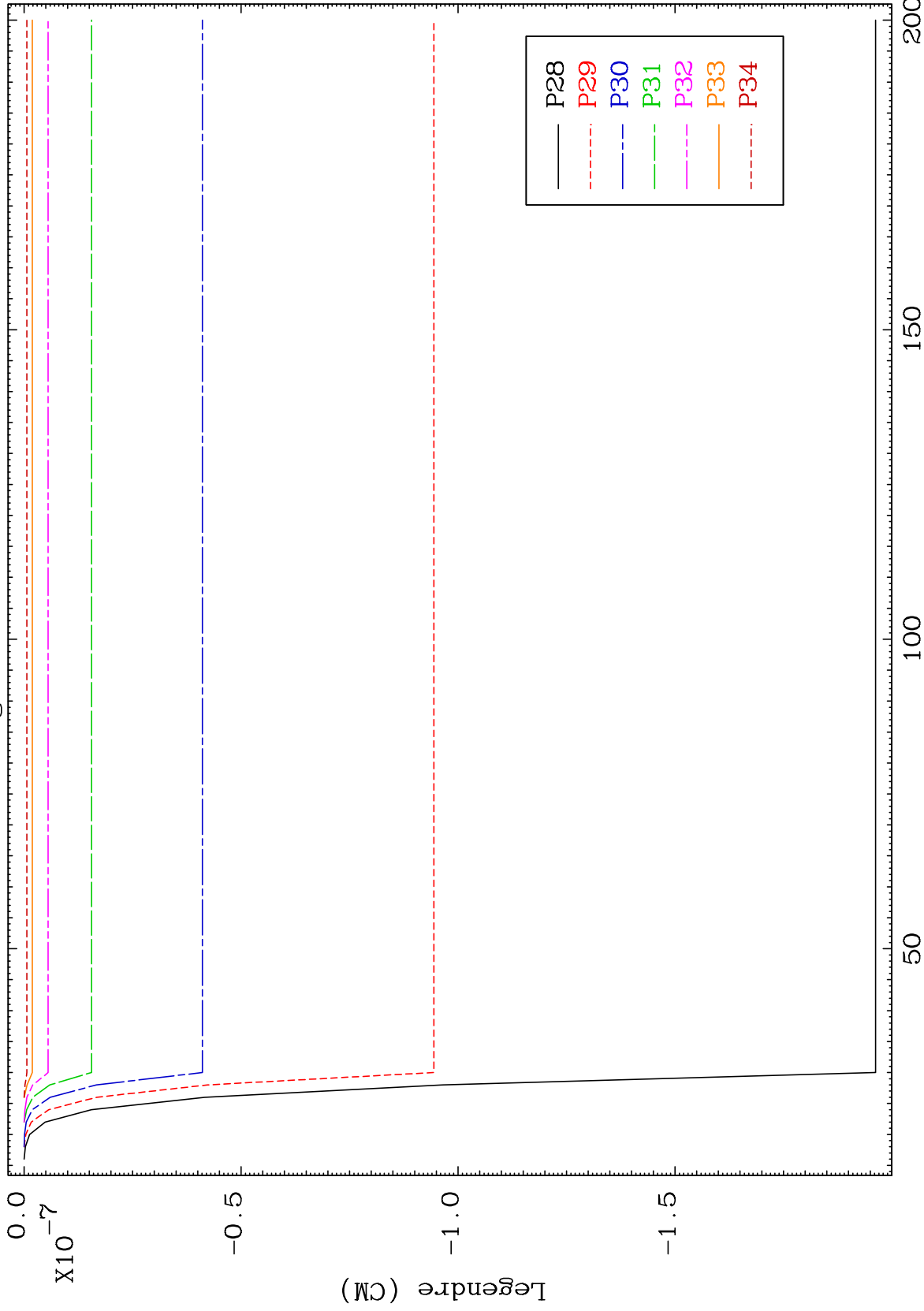
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



39

Incident Energy (MeV)

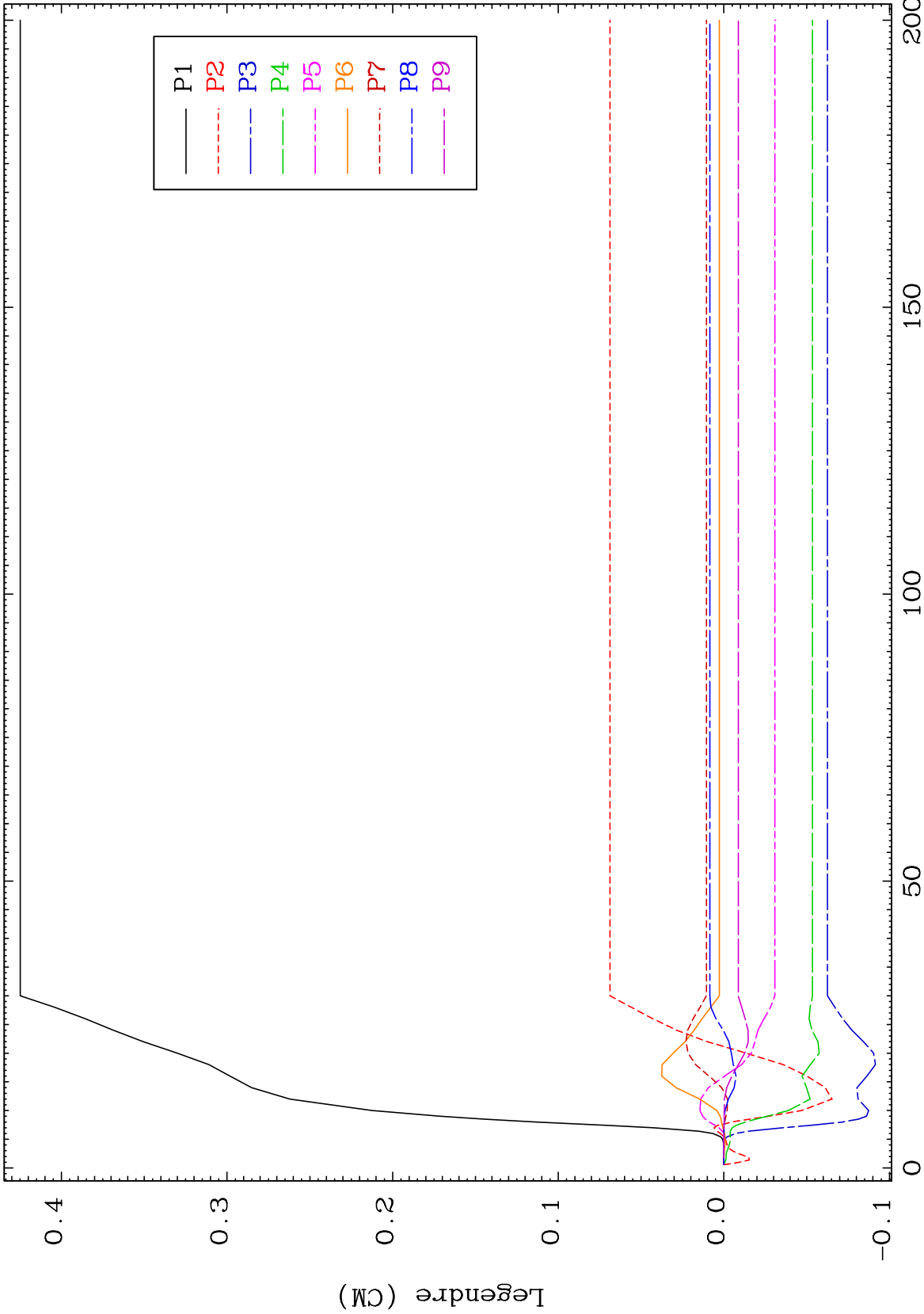
59-Pr-137



MAT 5913

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

59-Pr-137

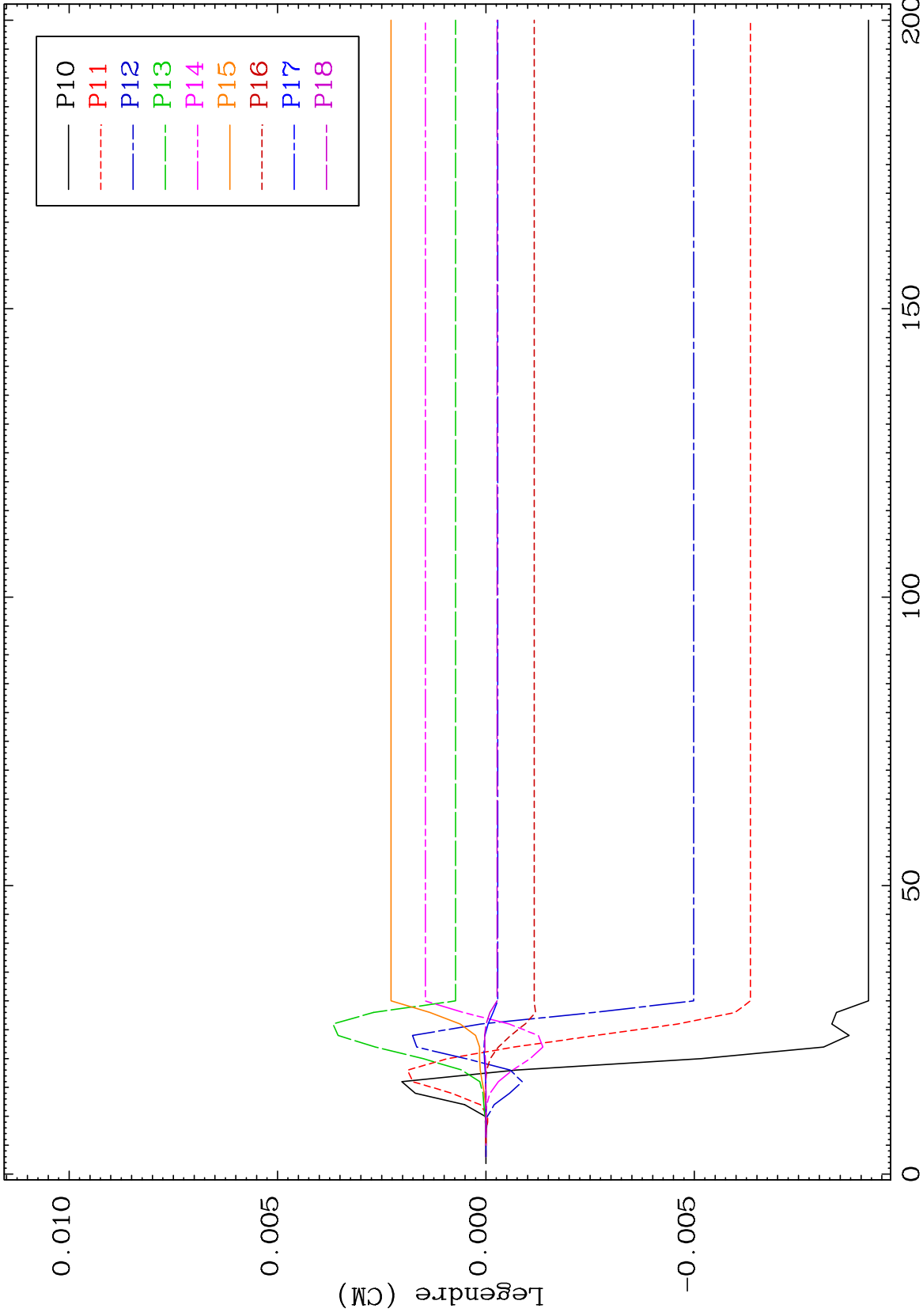


59-Pr-137

MAT 5913

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

59-Pr-137



41

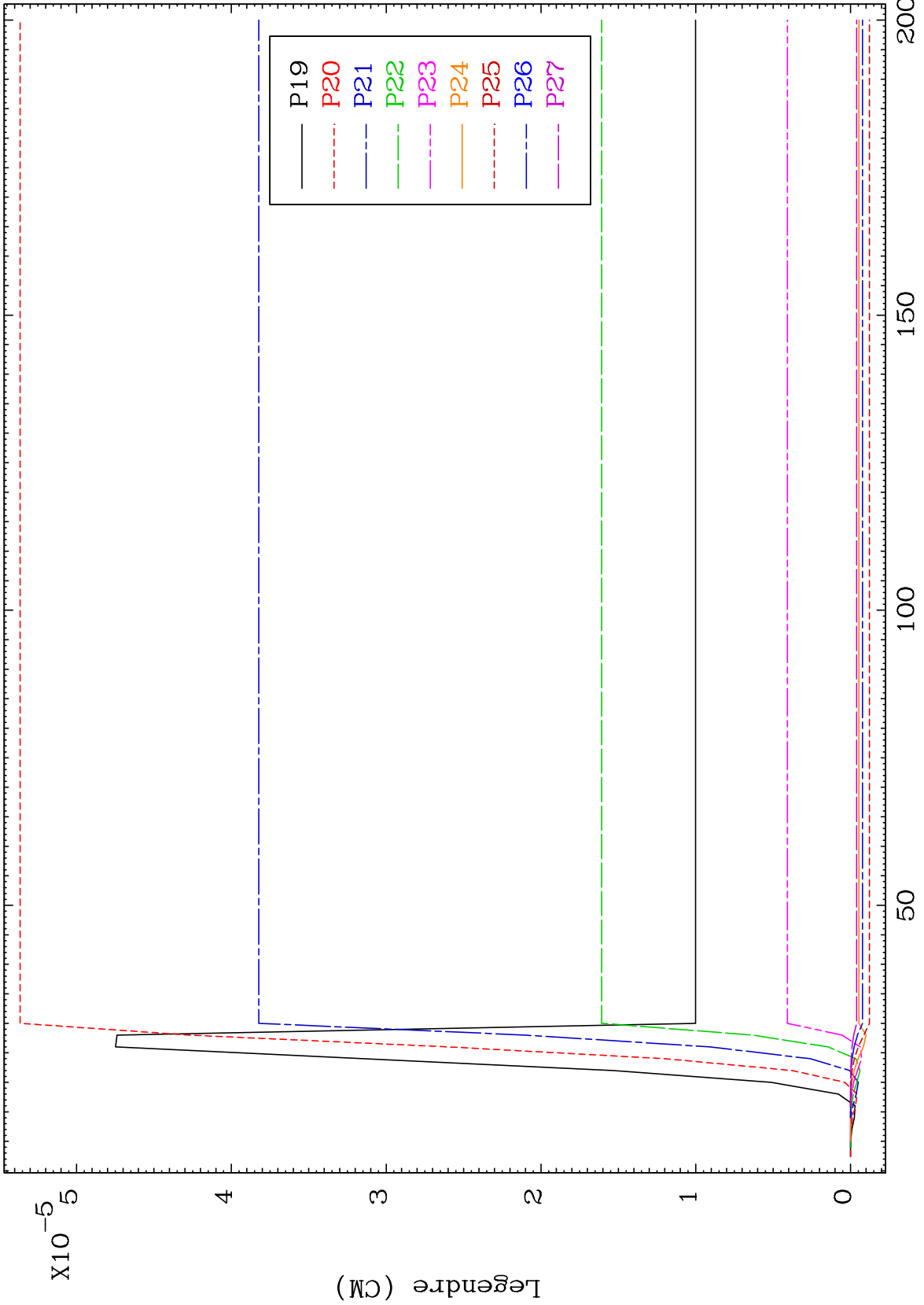
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



42

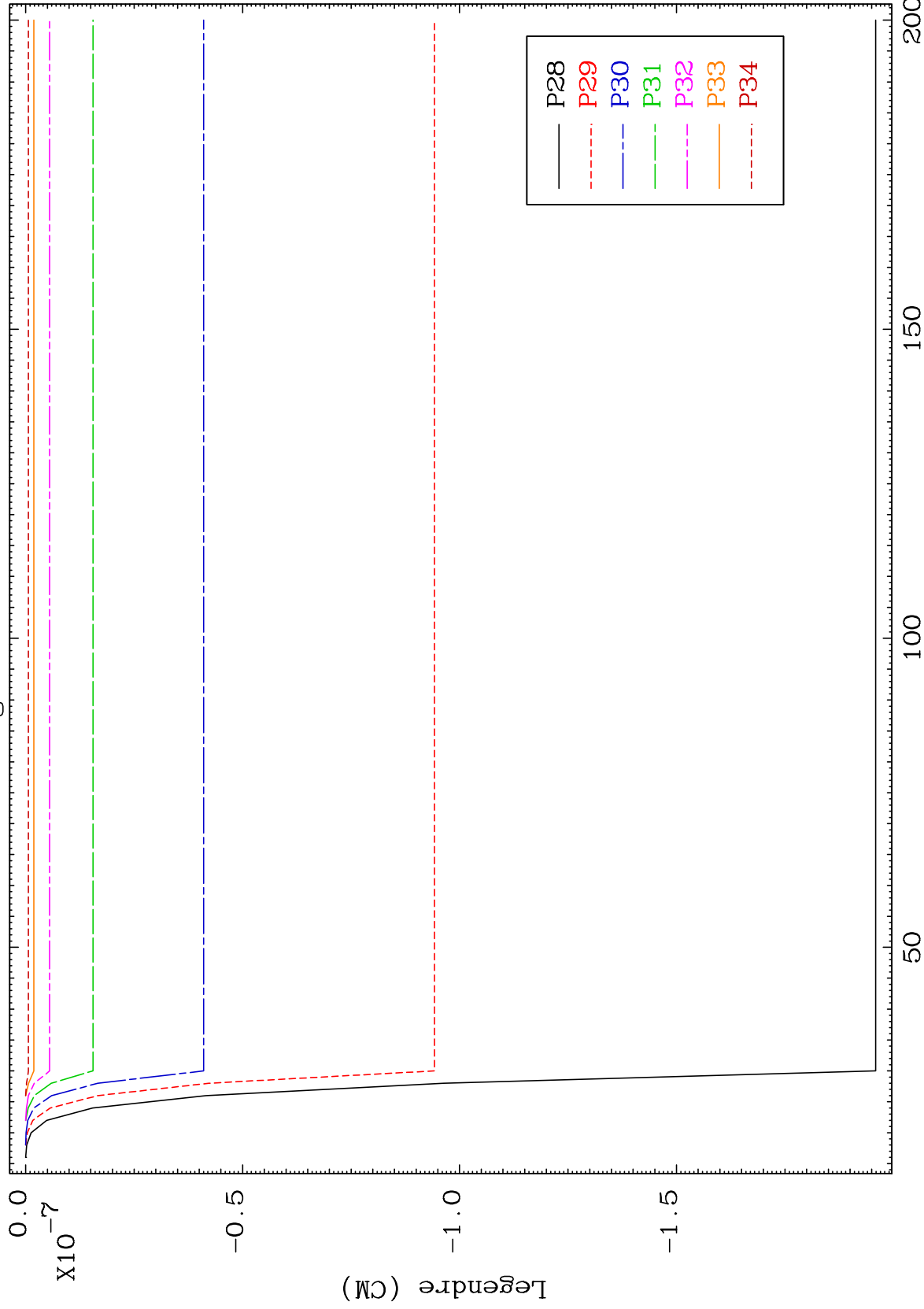
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



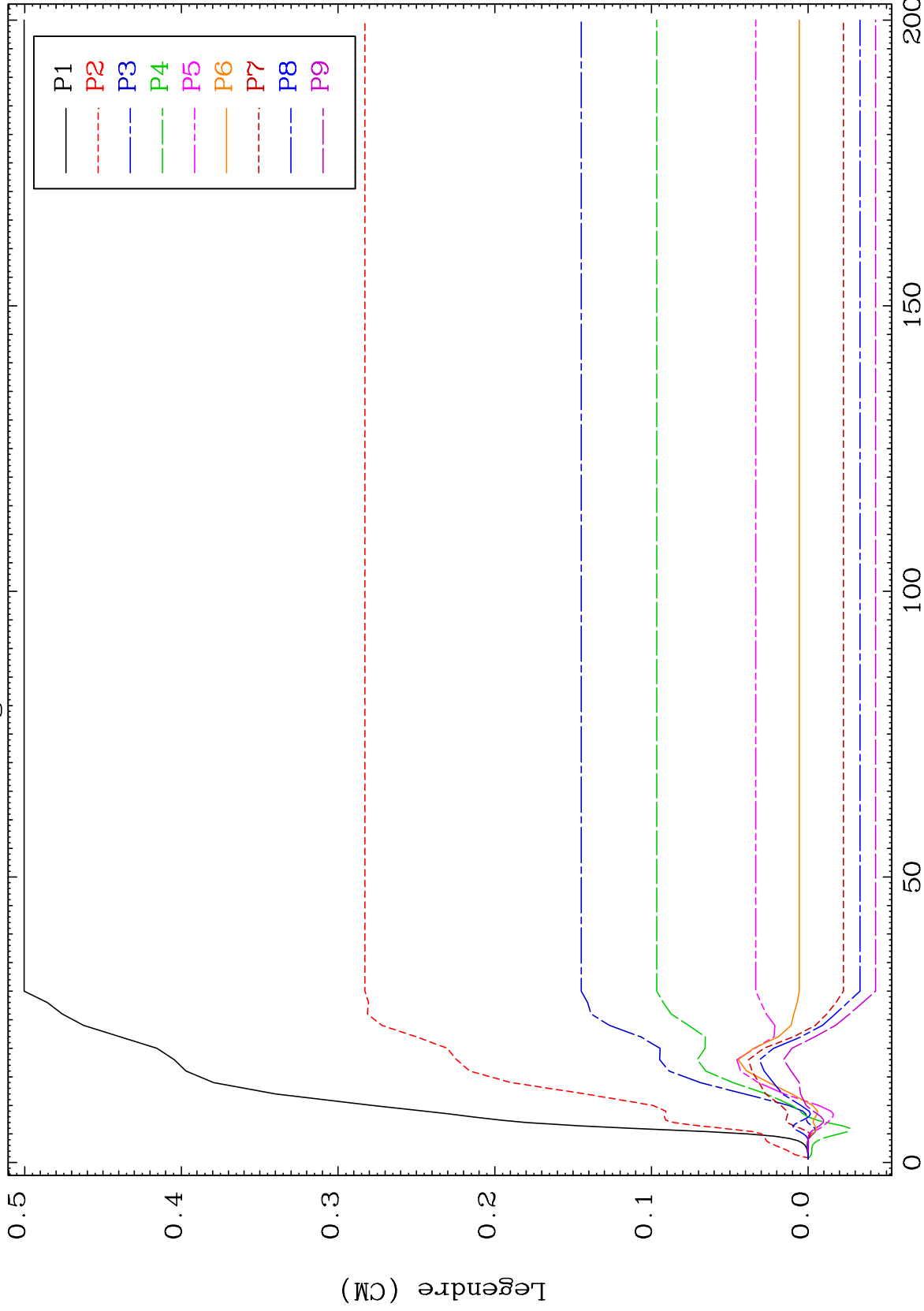
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59-Pr-137

MAT 5913

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

59-Pr-137



44

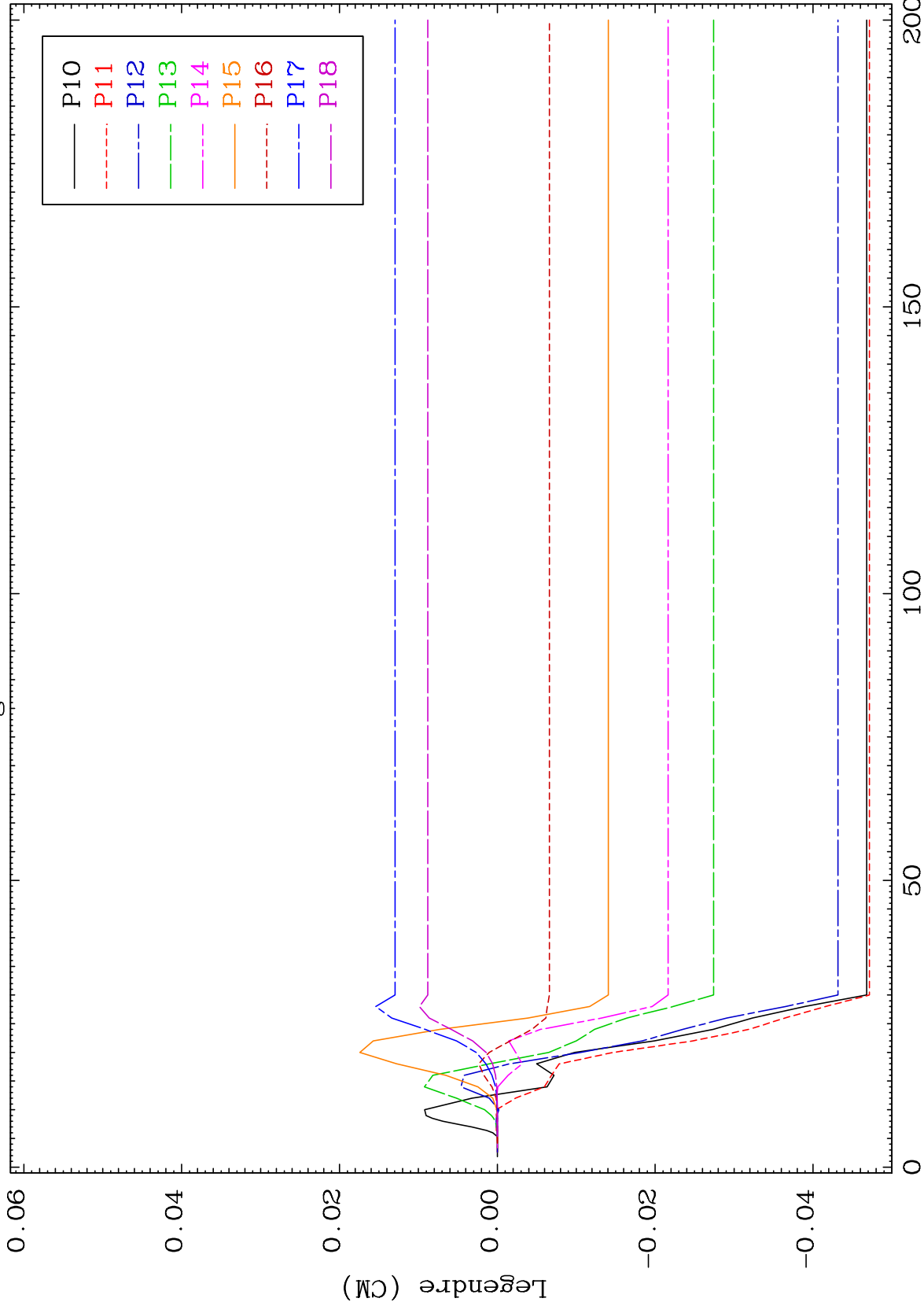
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



45

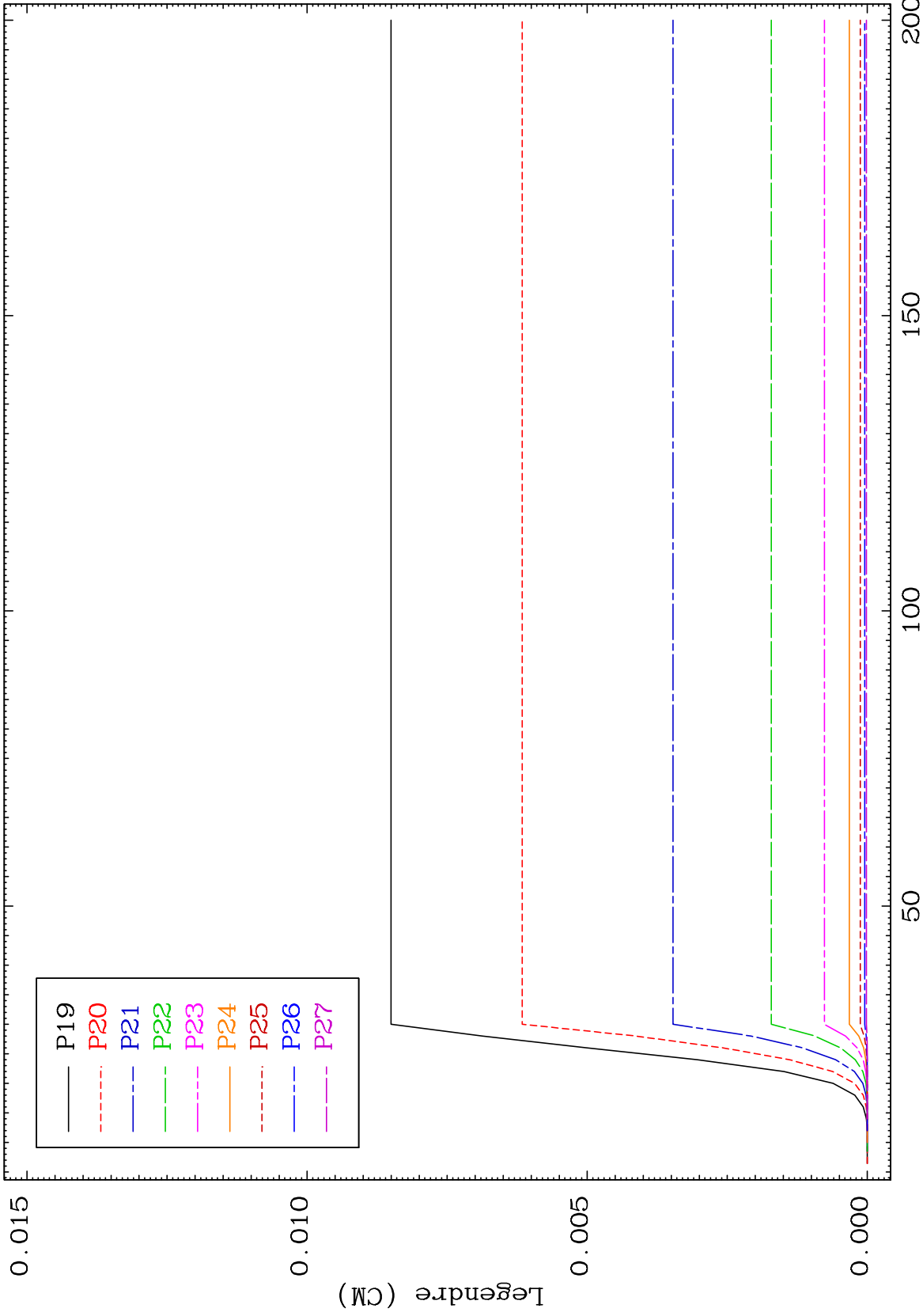
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

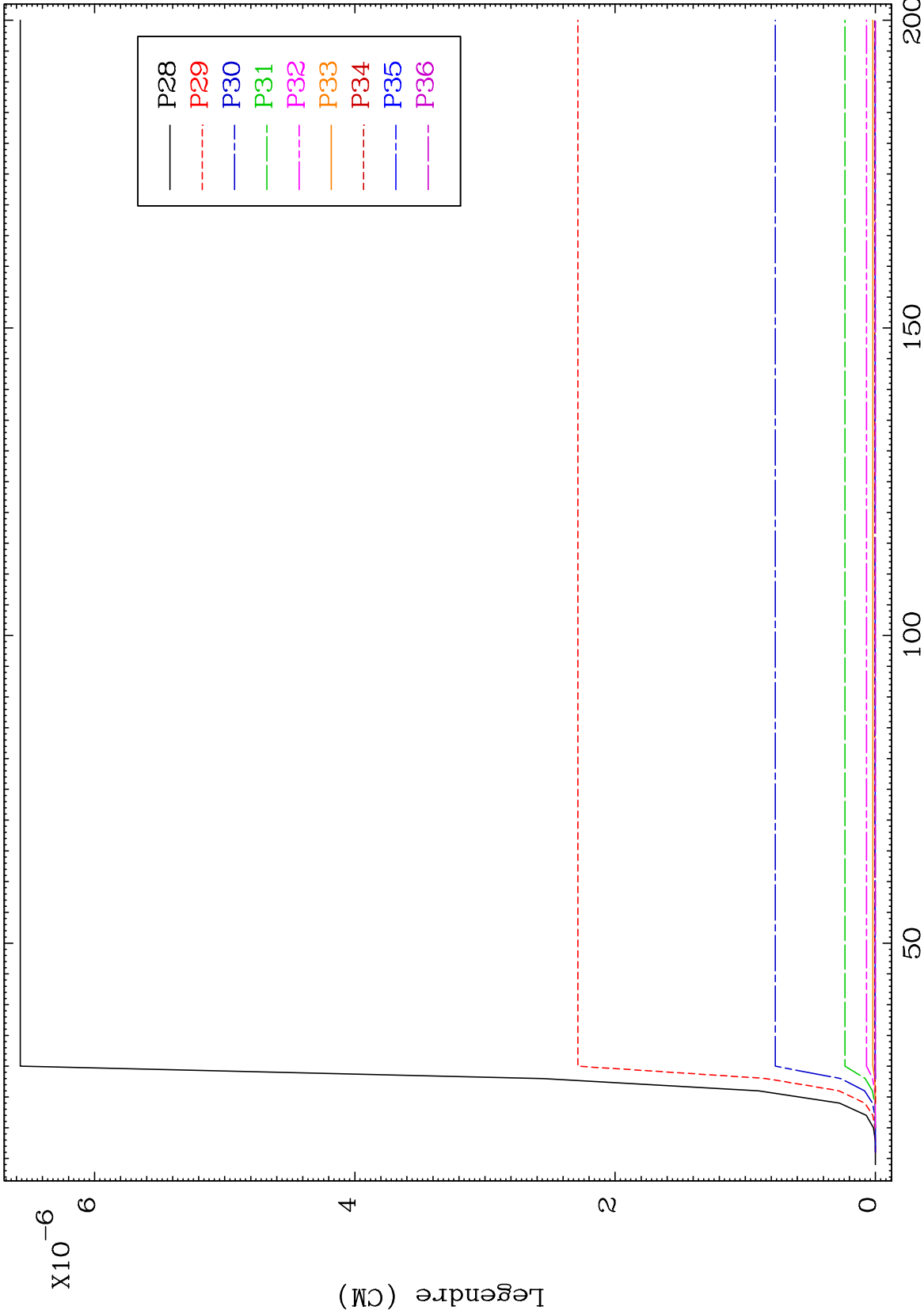
59-Pr-137



46

Incident Energy (MeV)

59-Pr-137

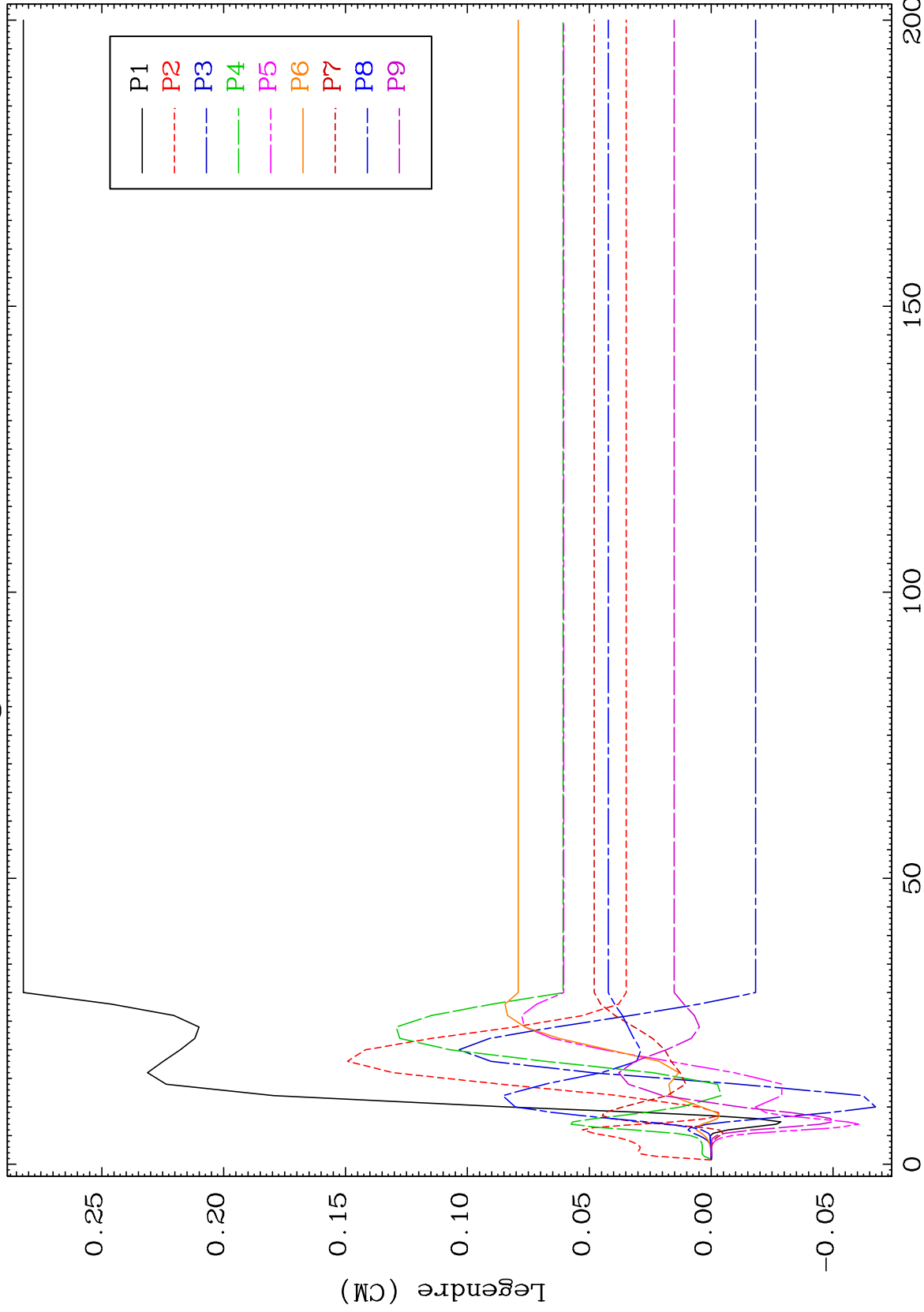




MAT 5913

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

59-Pr-137



48

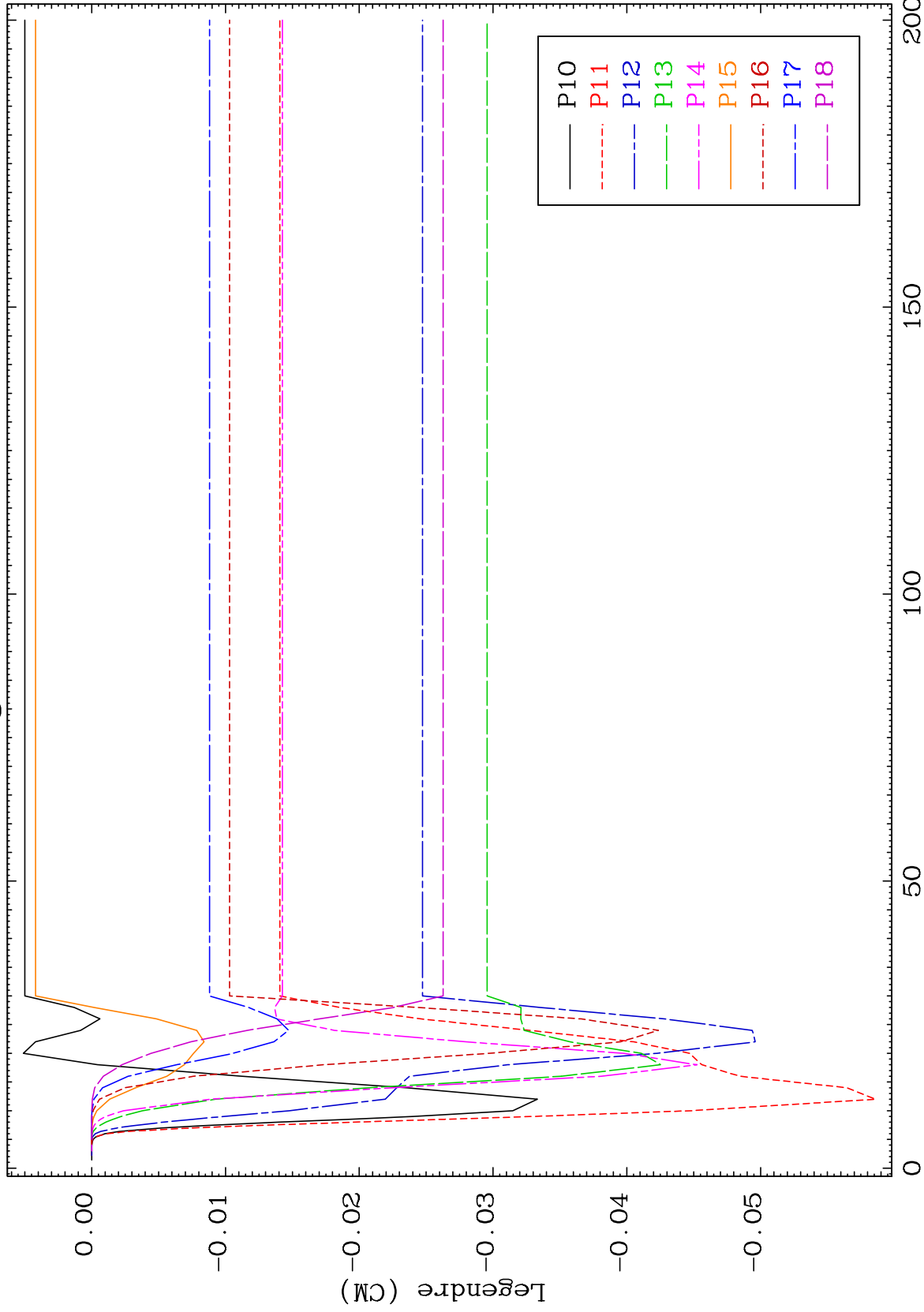
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



49

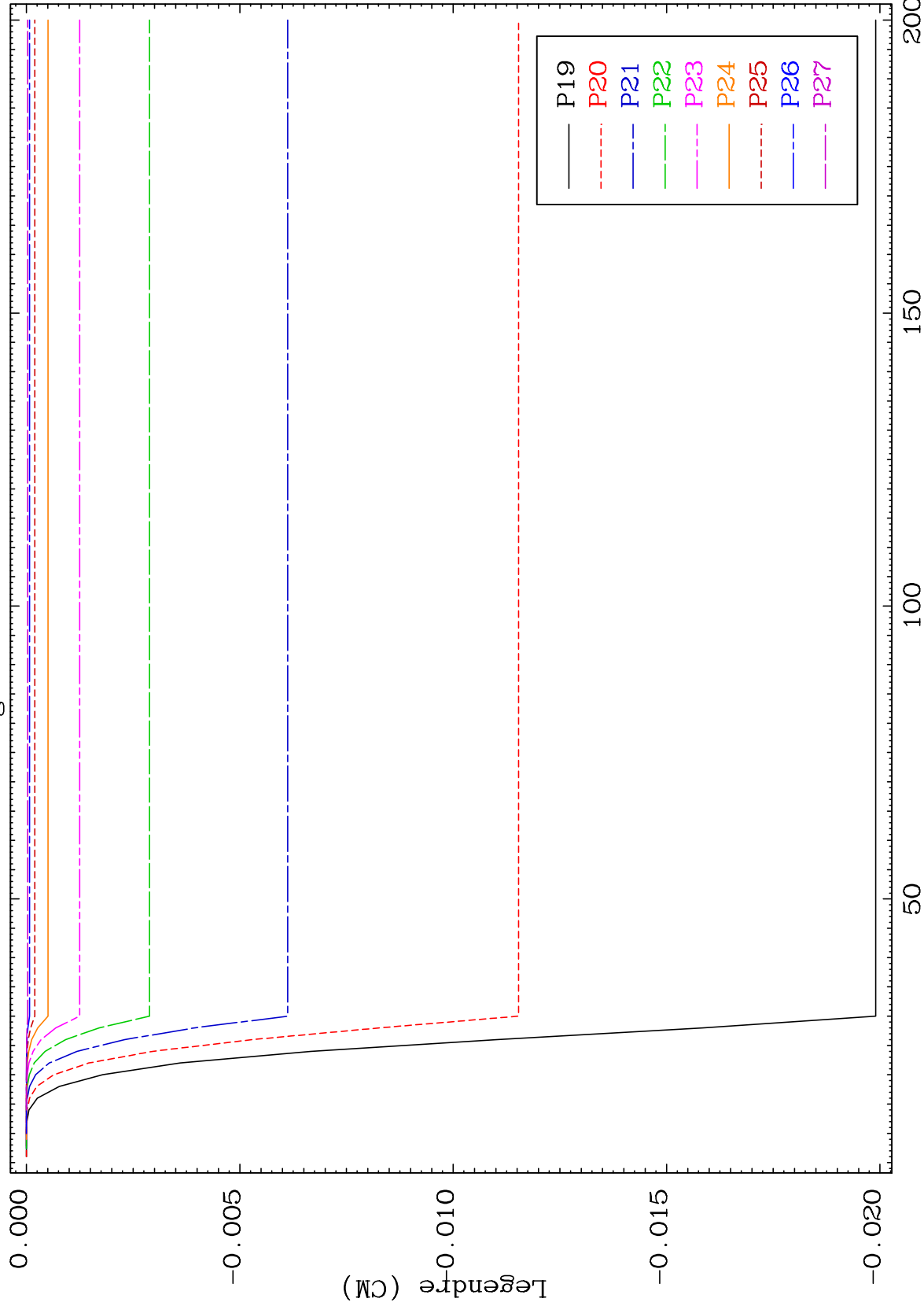
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



50

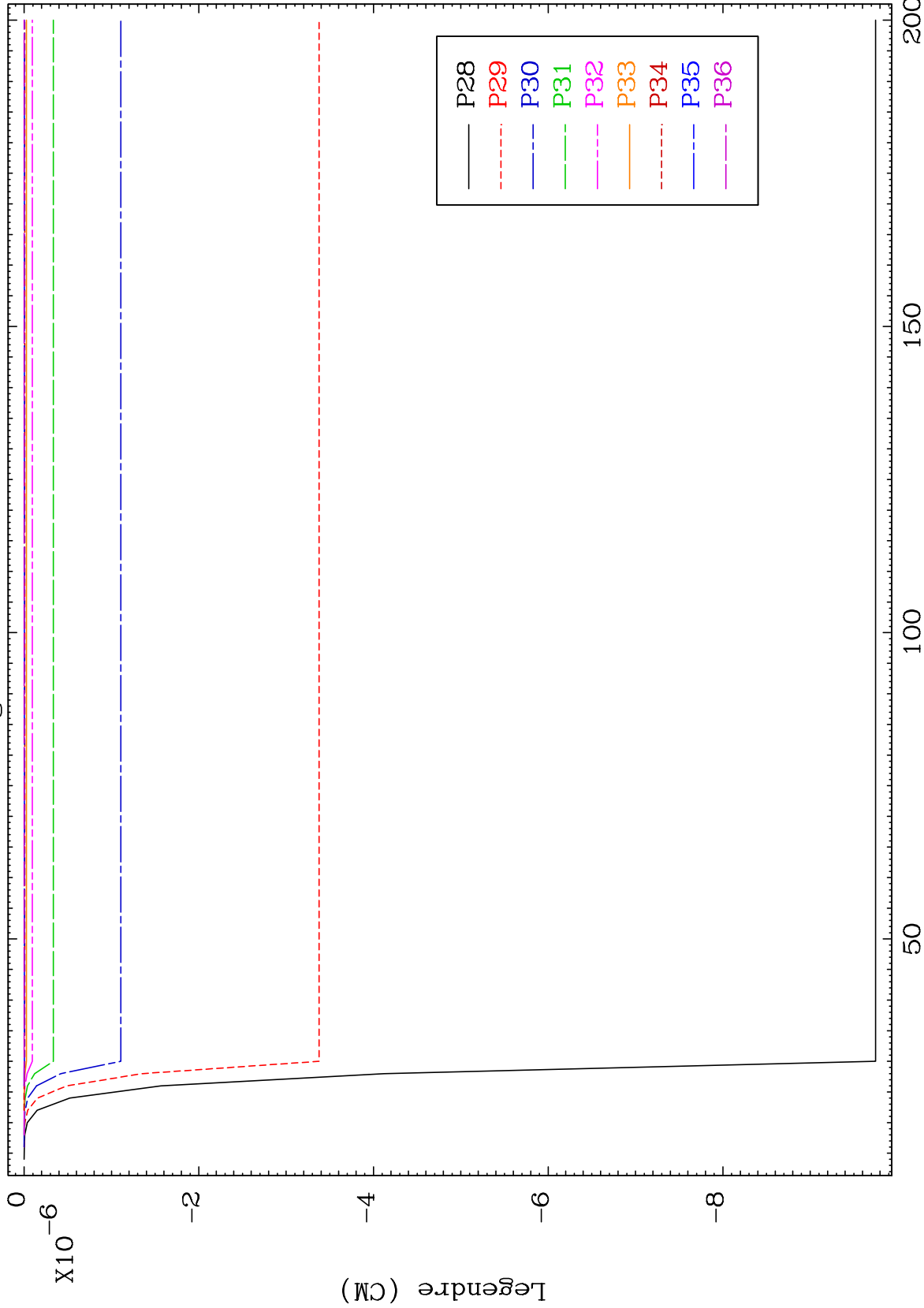
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



51

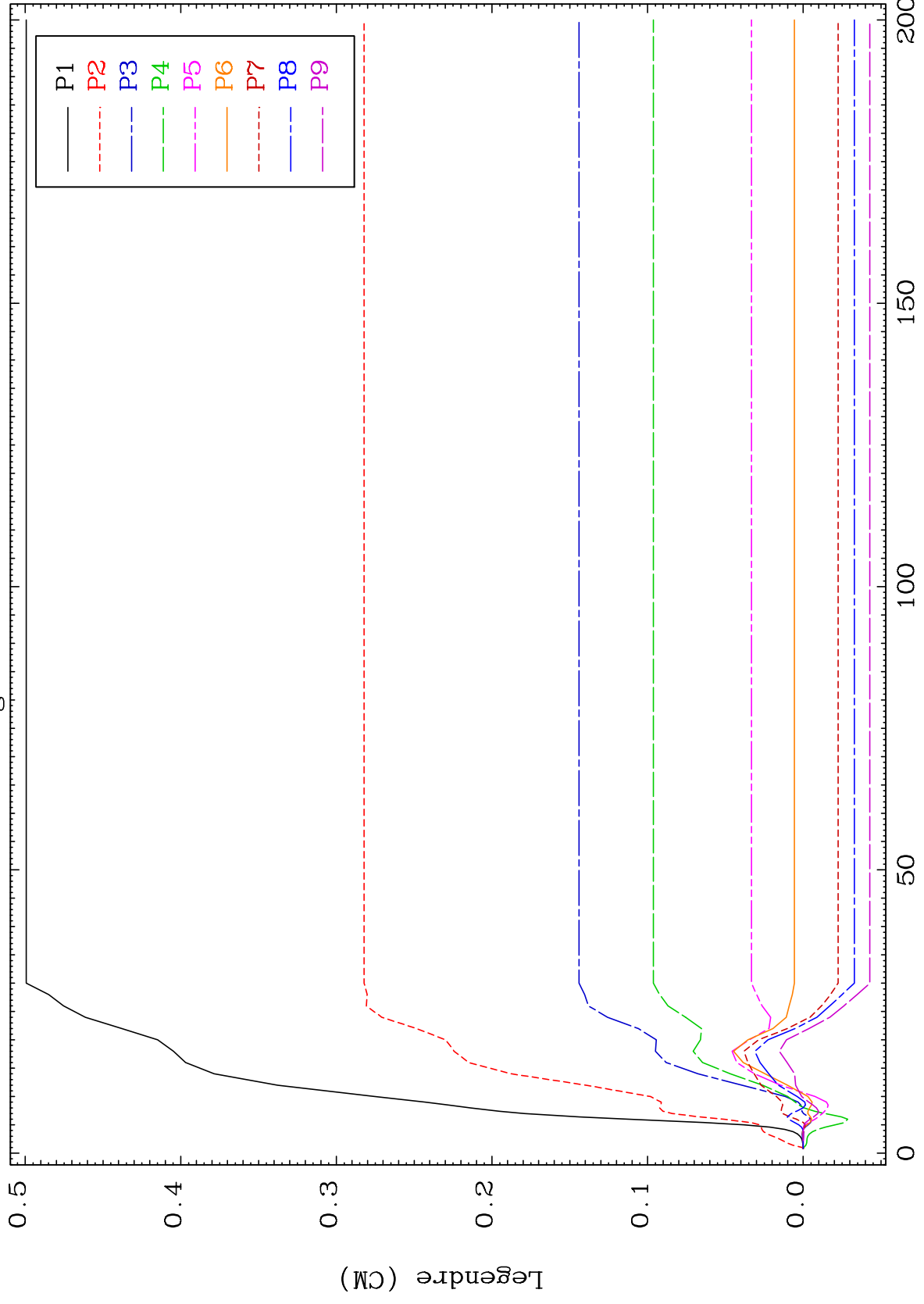
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



52

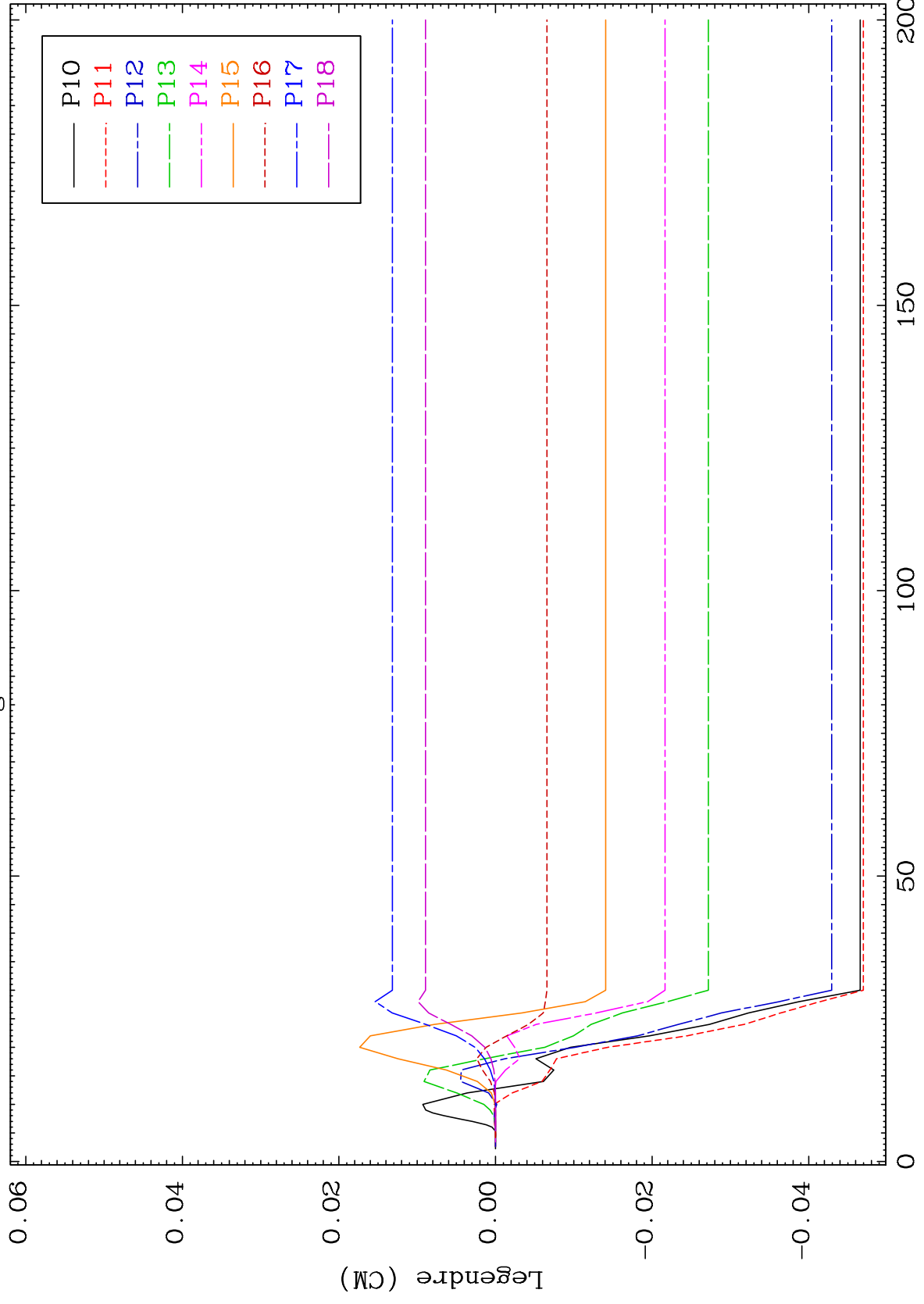
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



53

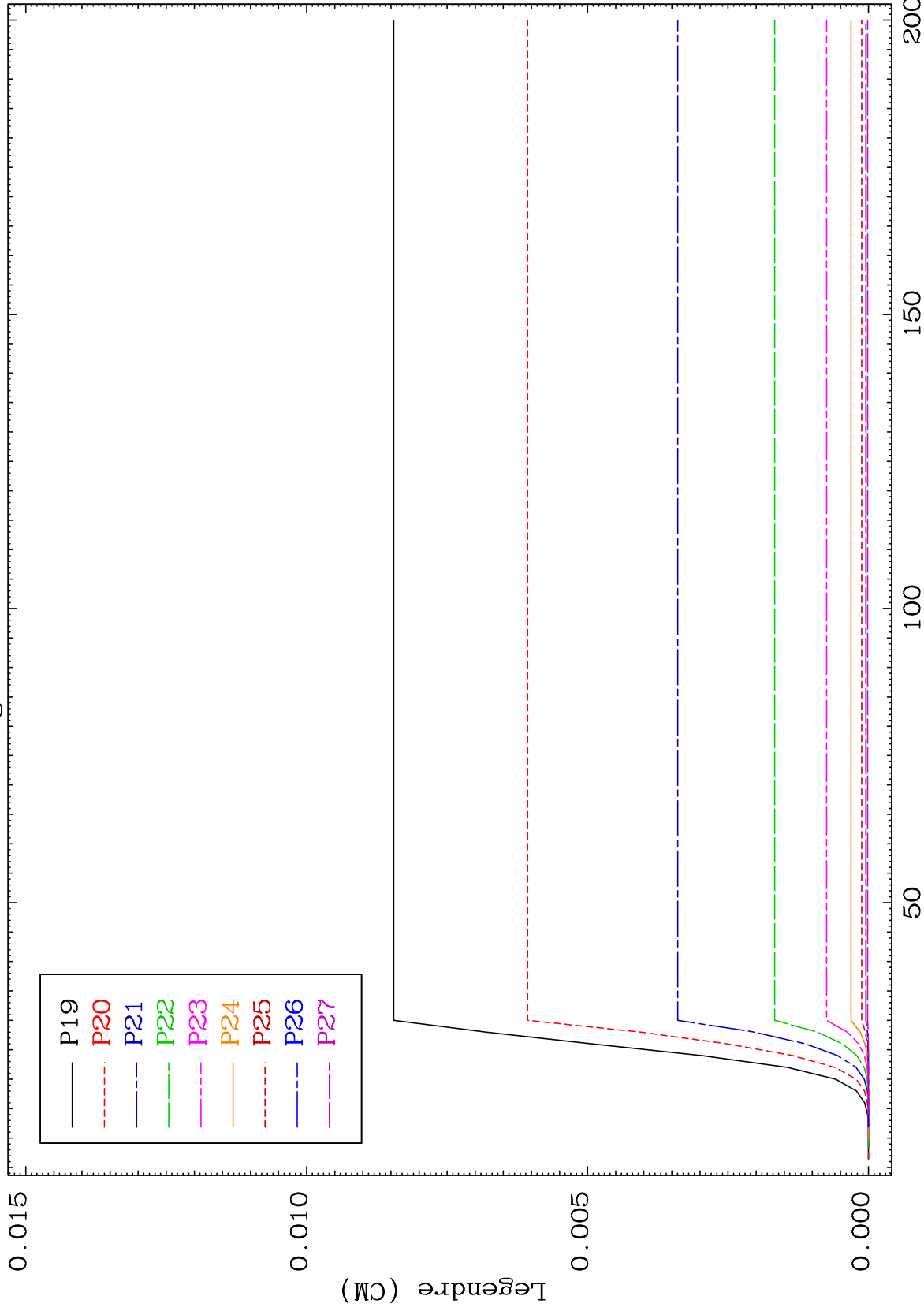
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



54

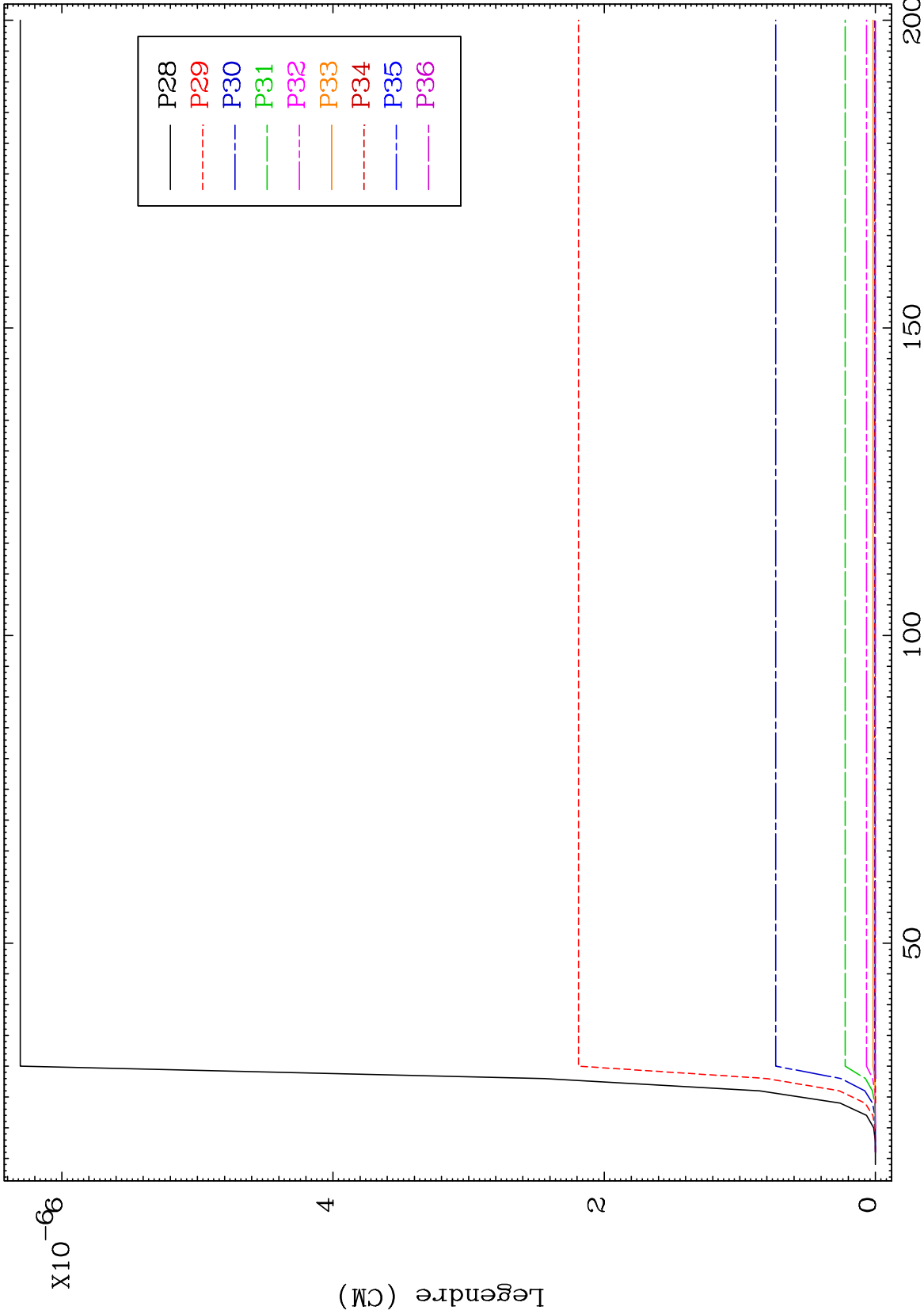
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



55

Incident Energy (MeV)

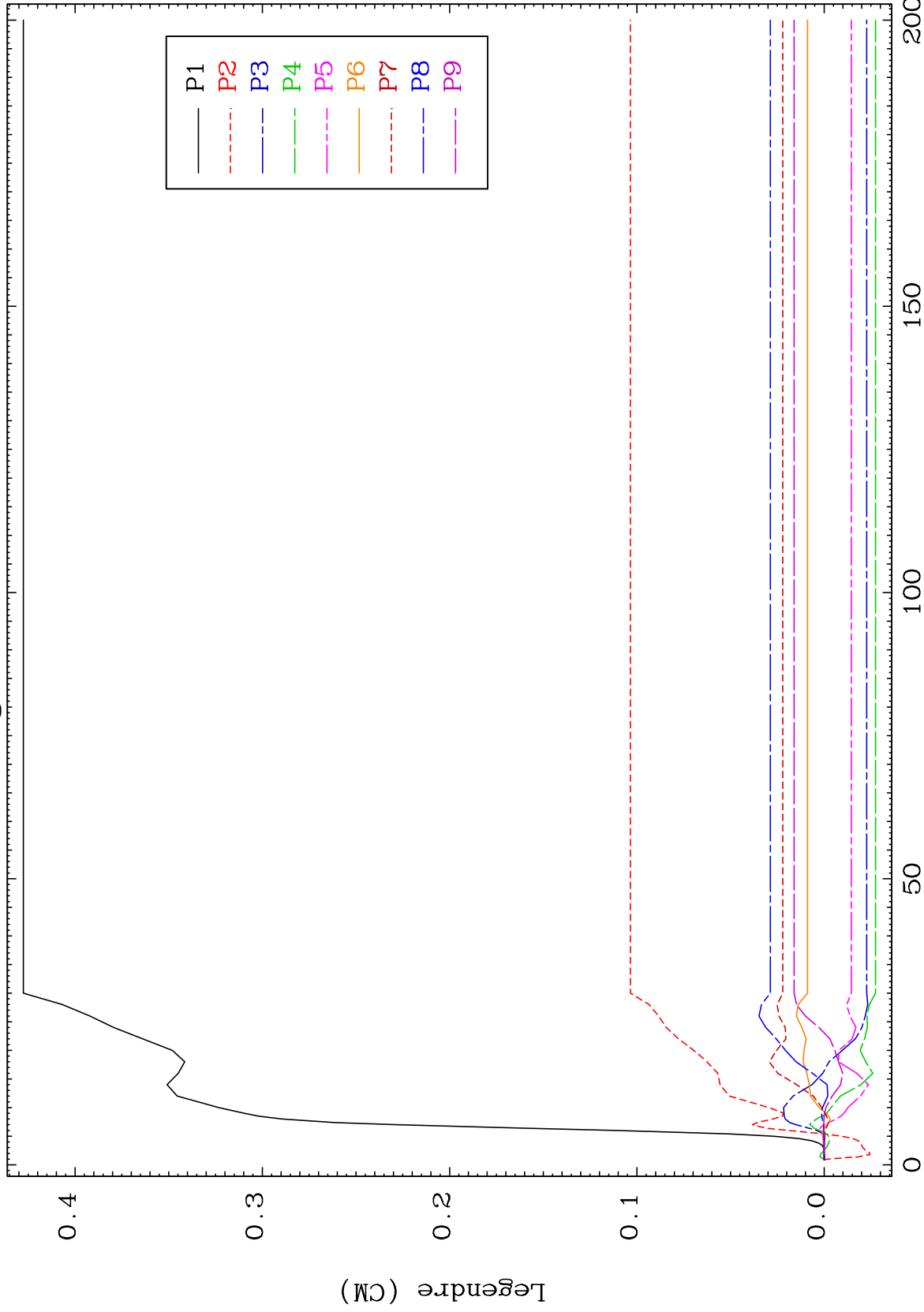
59-Pr-137



MAT 5913

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

59-Pr-137



56

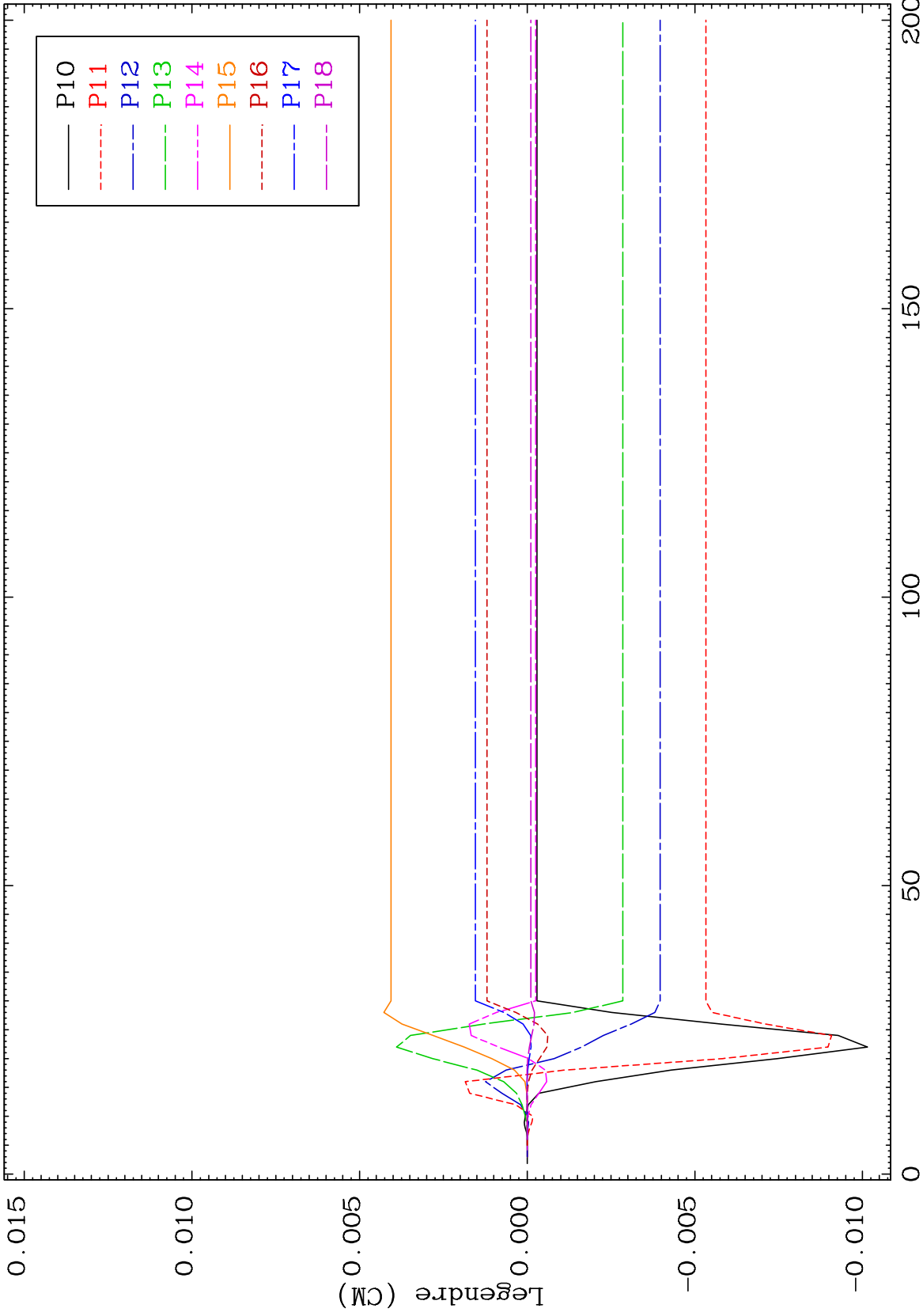
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



57

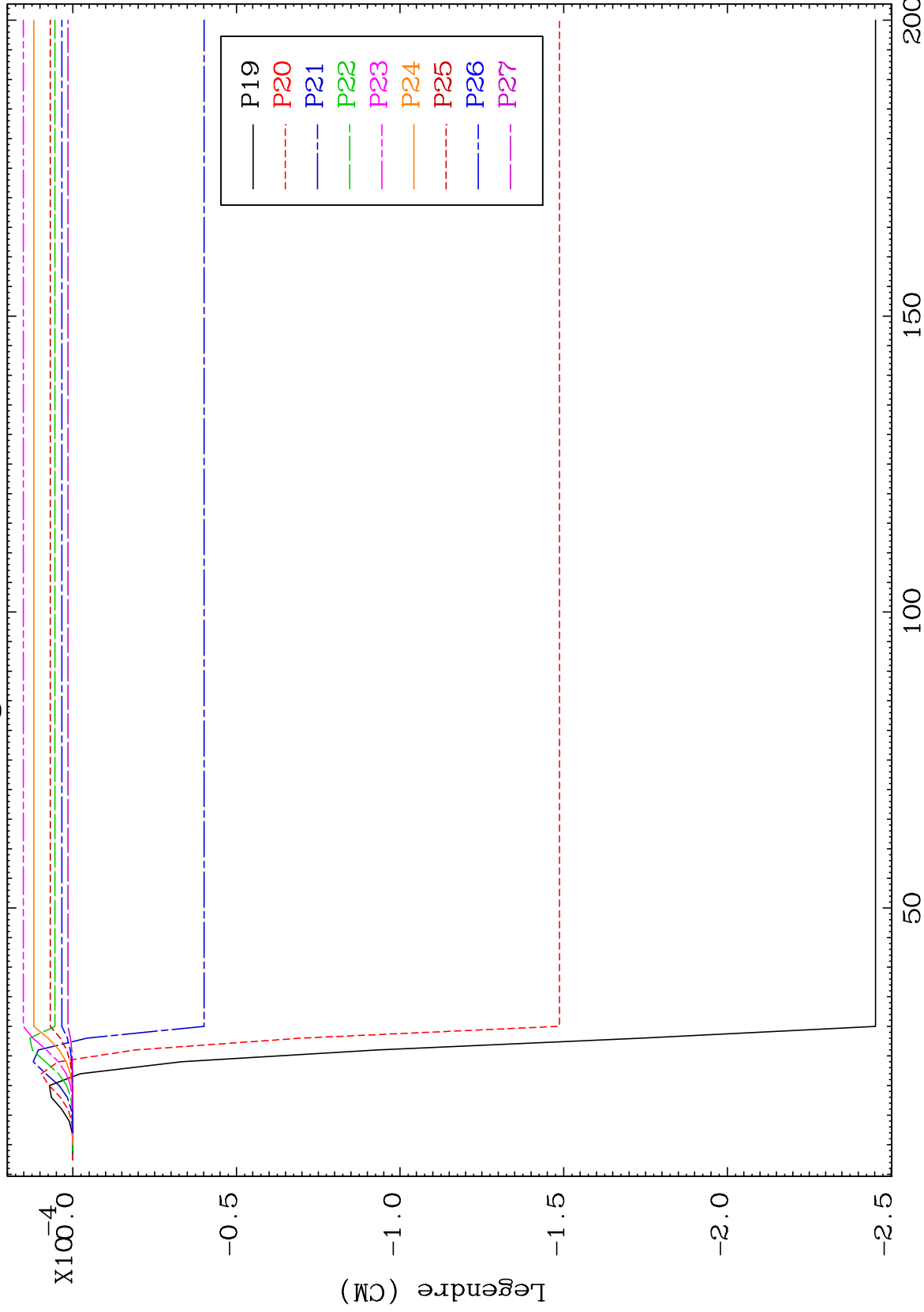
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



58

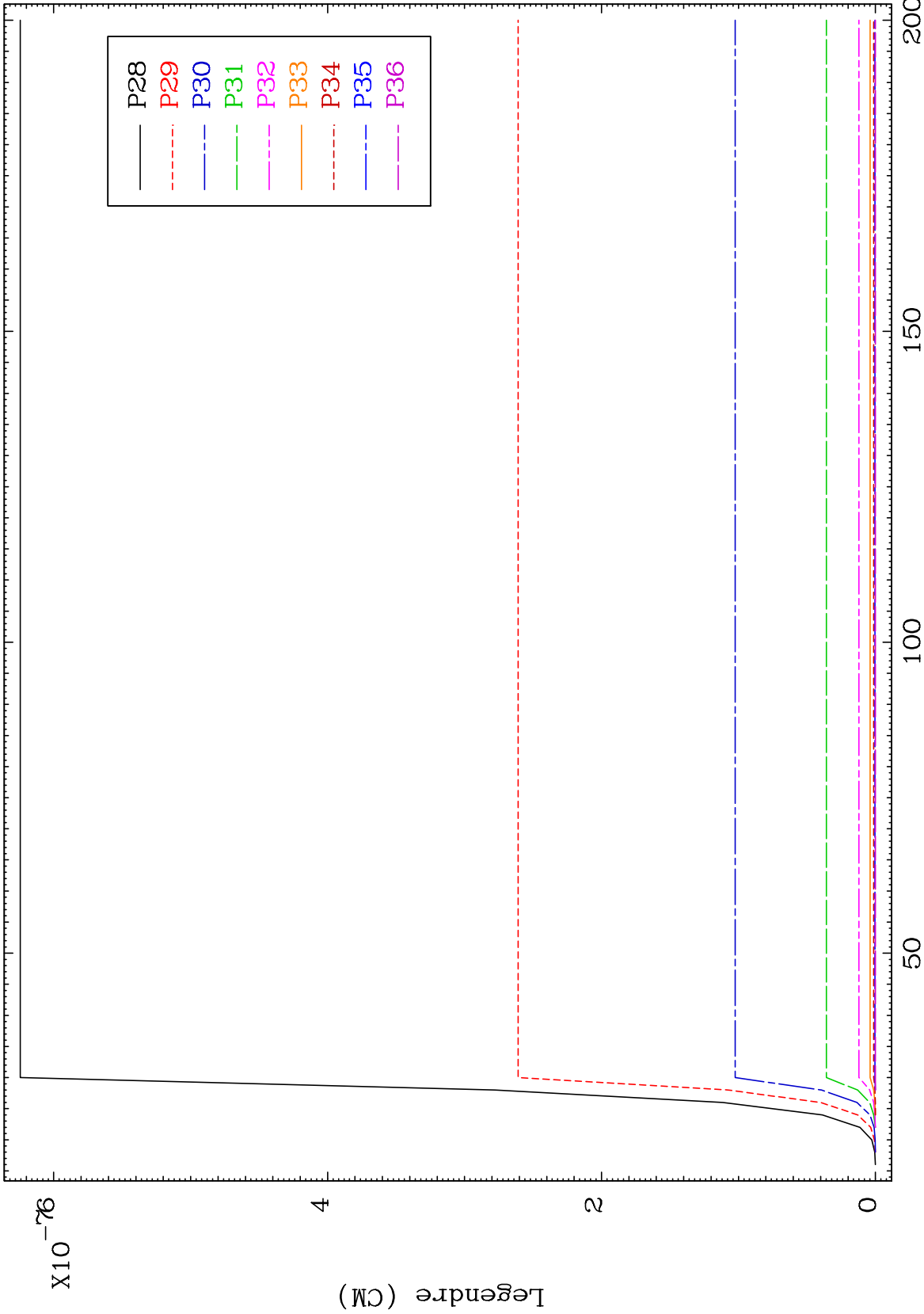
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



59

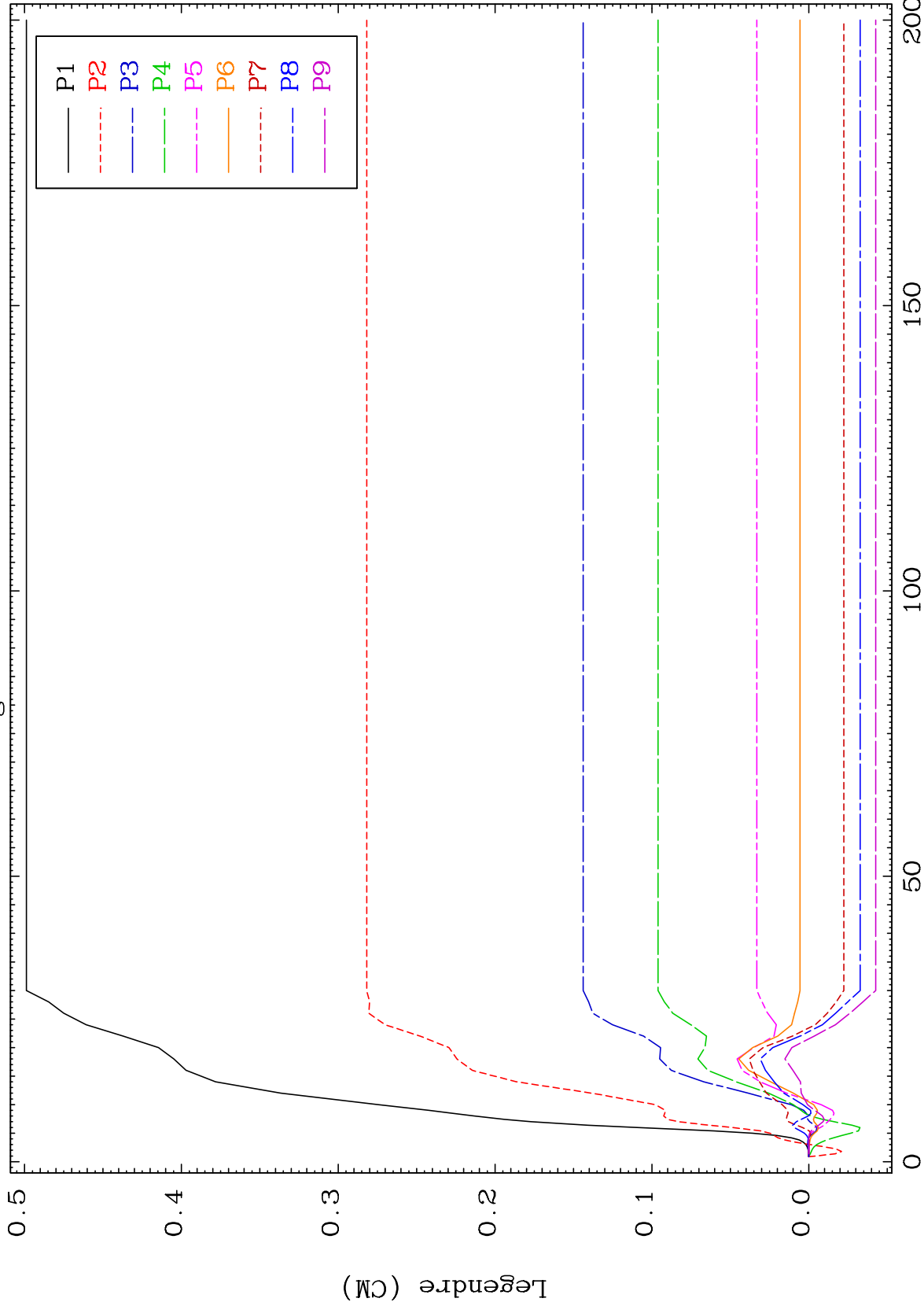
59-Pr-137

59-Pr-137

MAT 5913

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

59-Pr-137



59-Pr-137

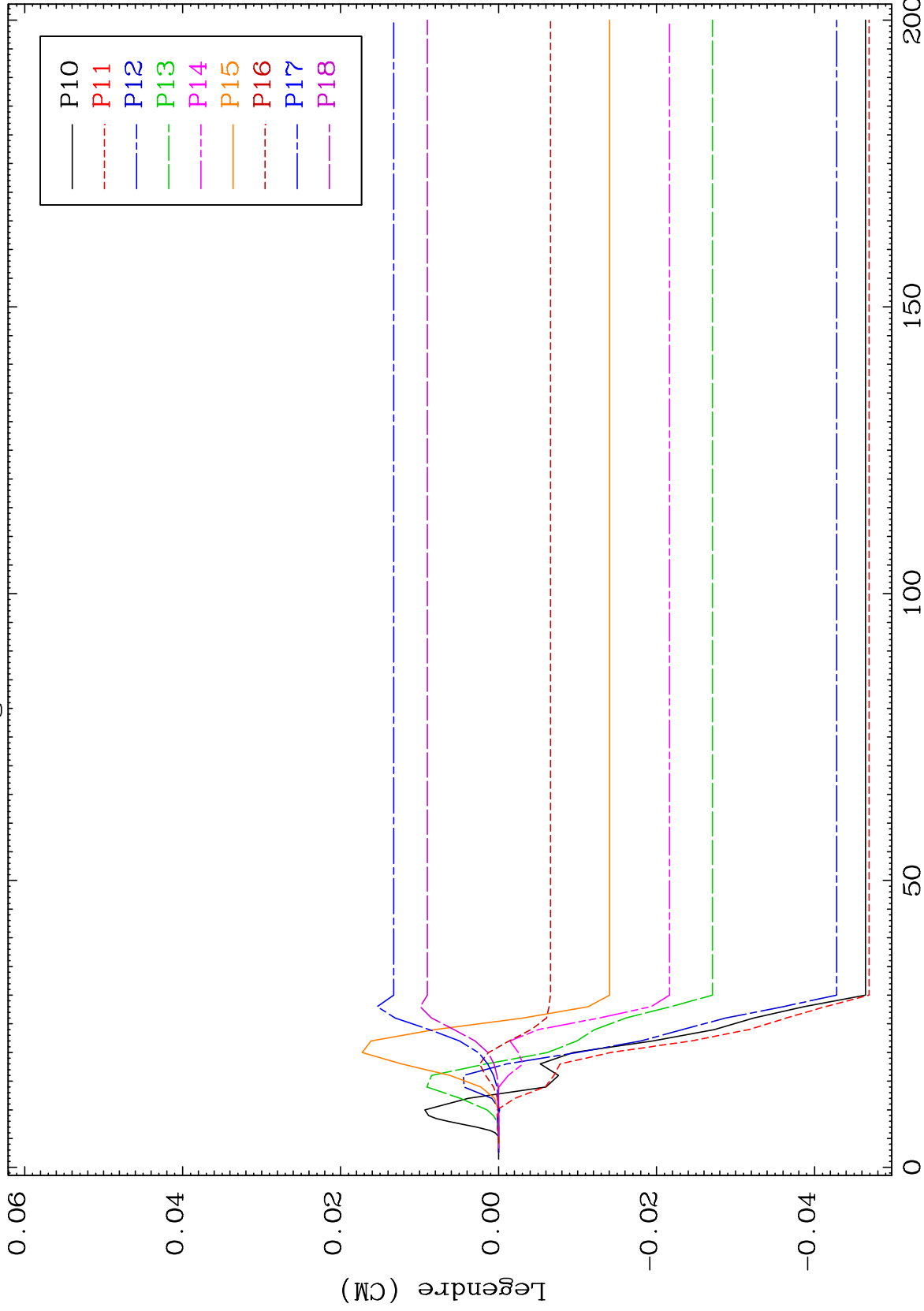
Incident Energy (MeV)

60

MAT 5913

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

59-Pr-137



61

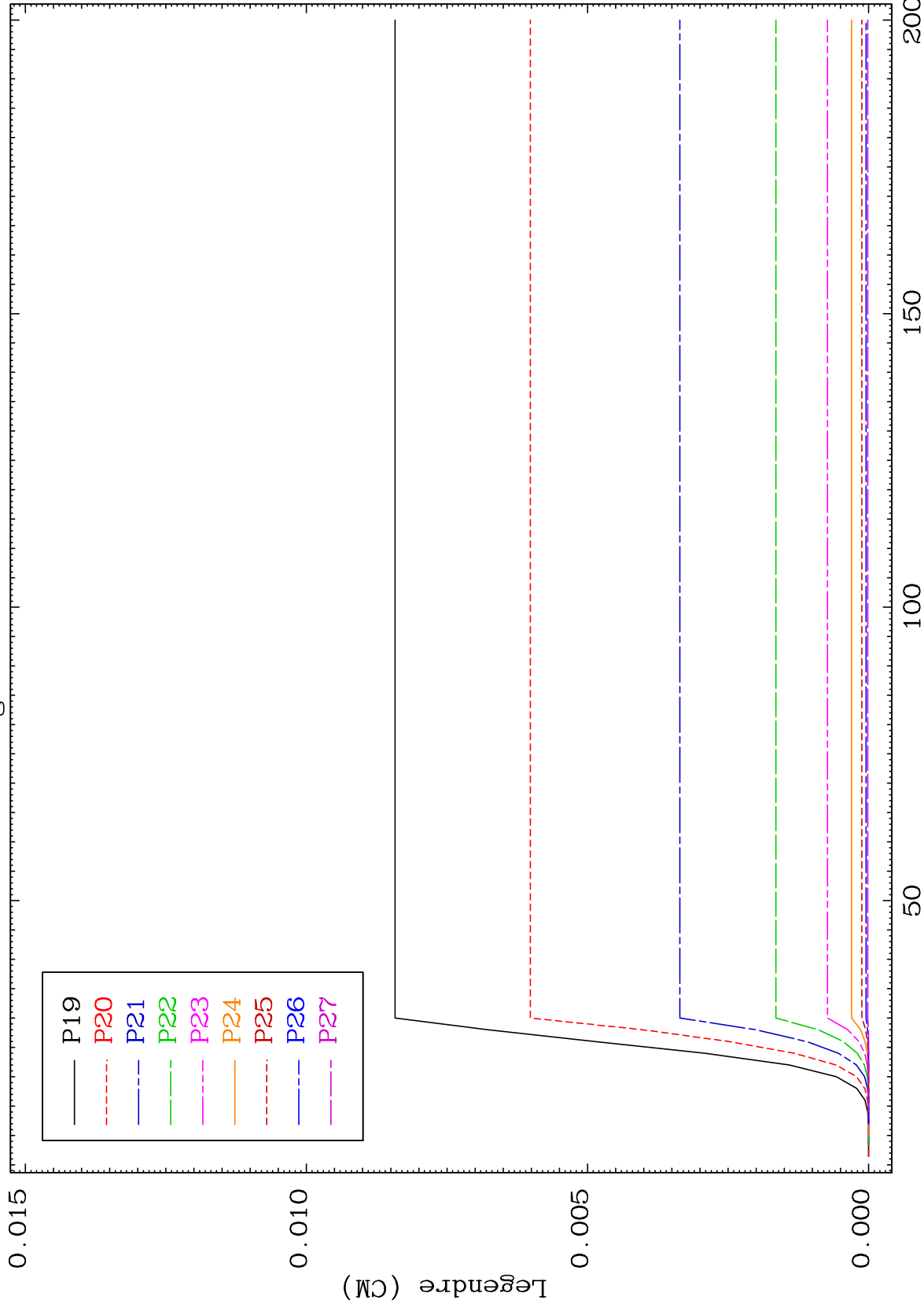
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

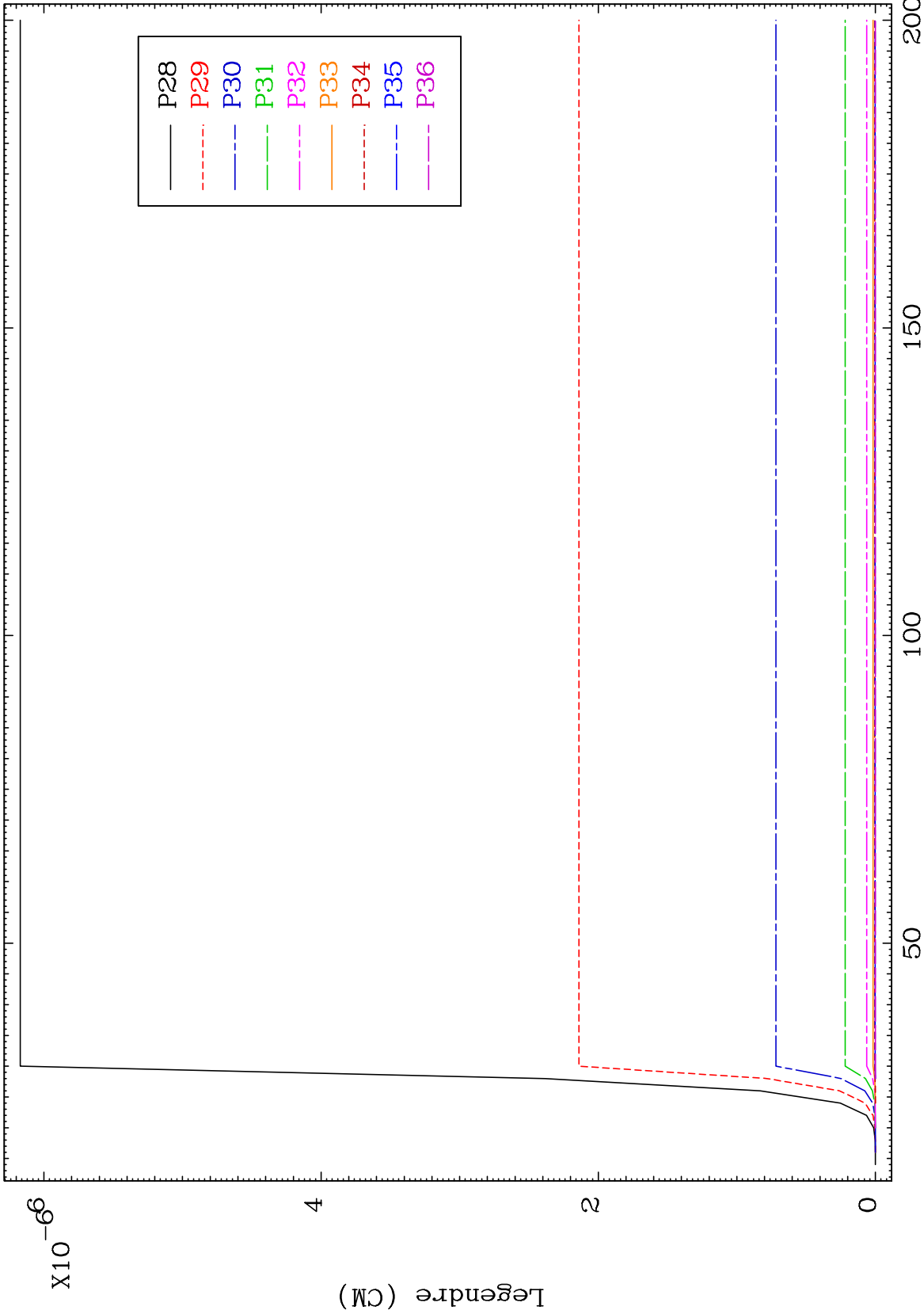
59-Pr-137



62

Incident Energy (MeV)

59-Pr-137

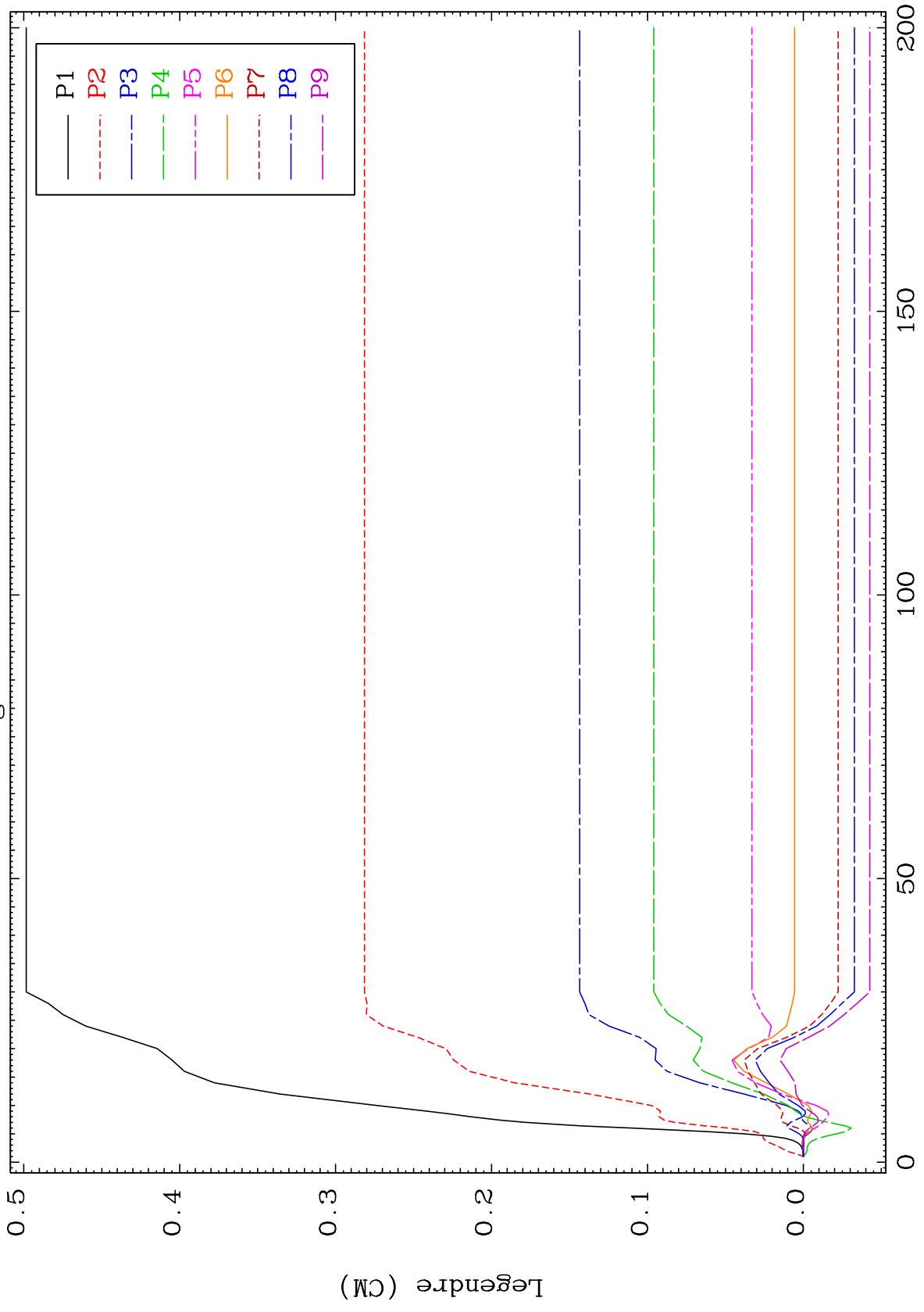




MAT 5913

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

59-Pr-137



64

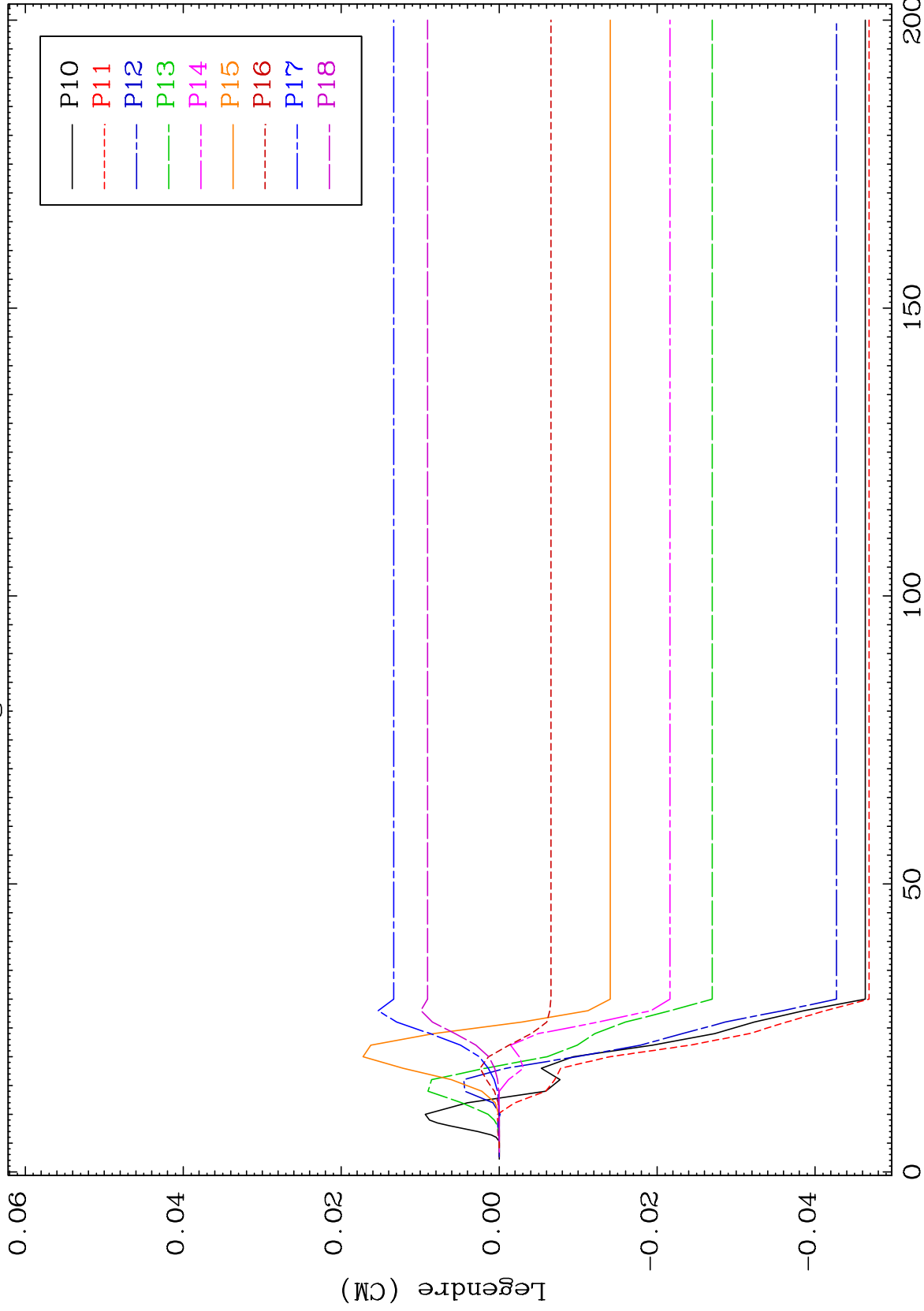
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



65

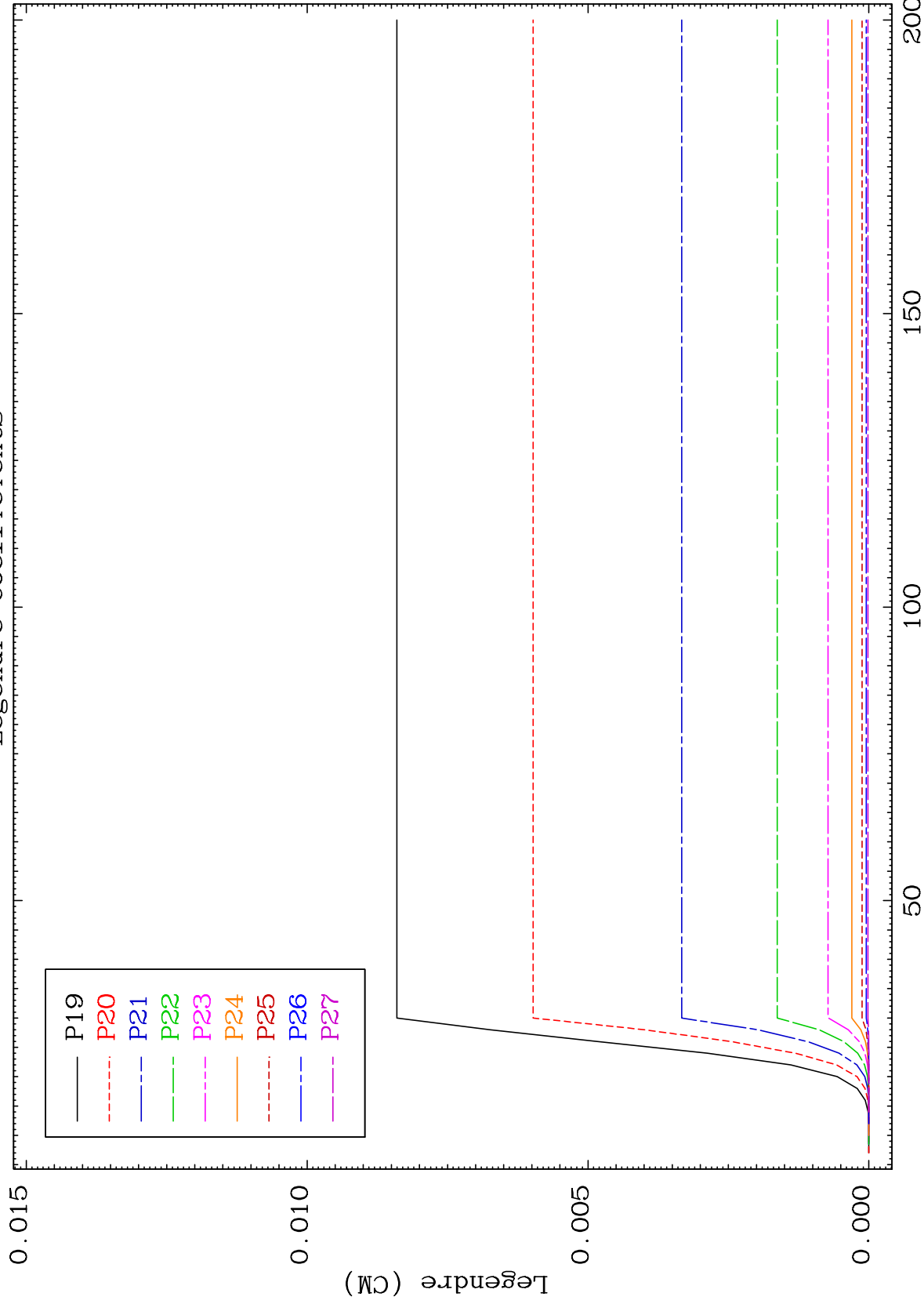
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

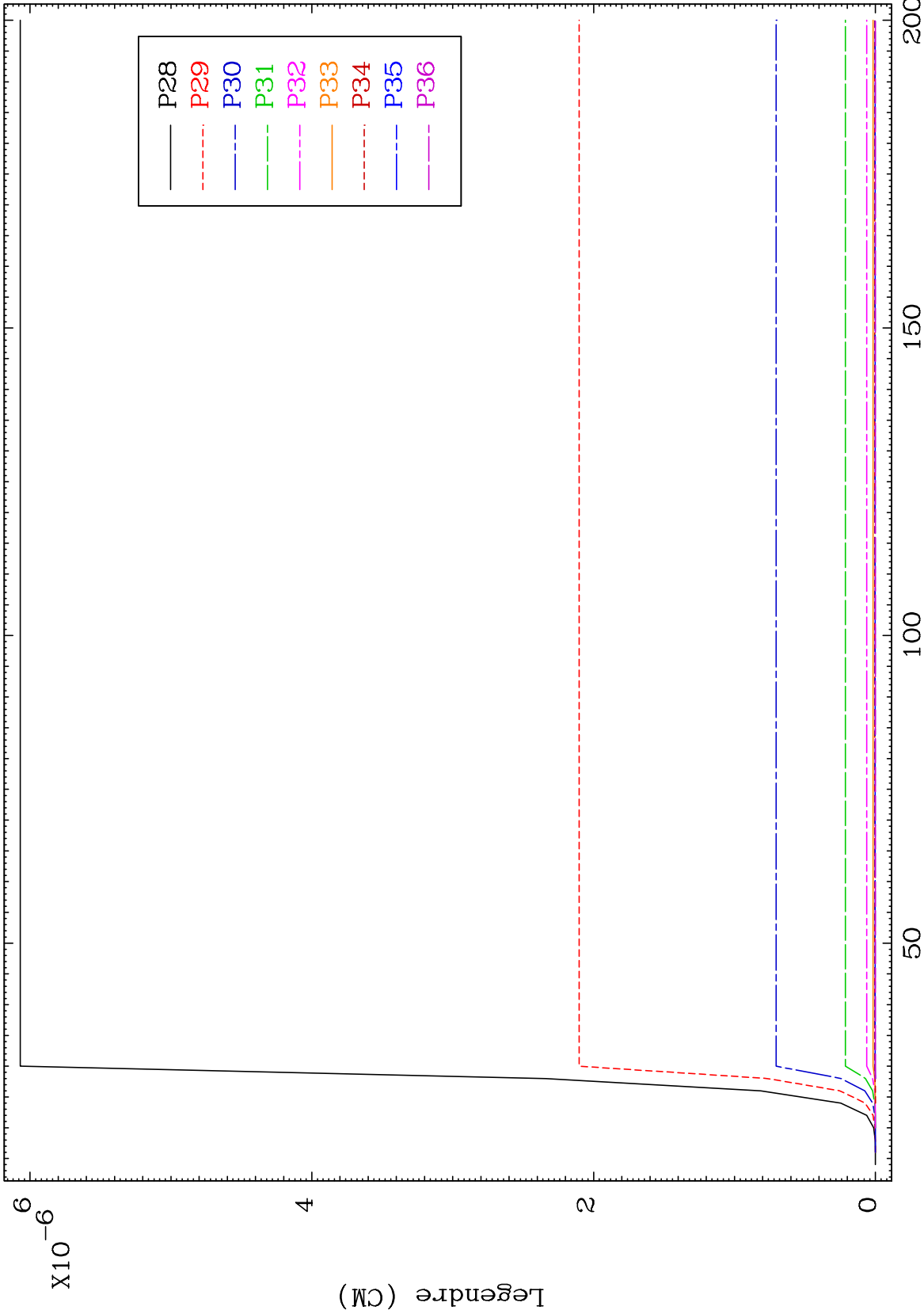
59-Pr-137



66

Incident Energy (MeV)

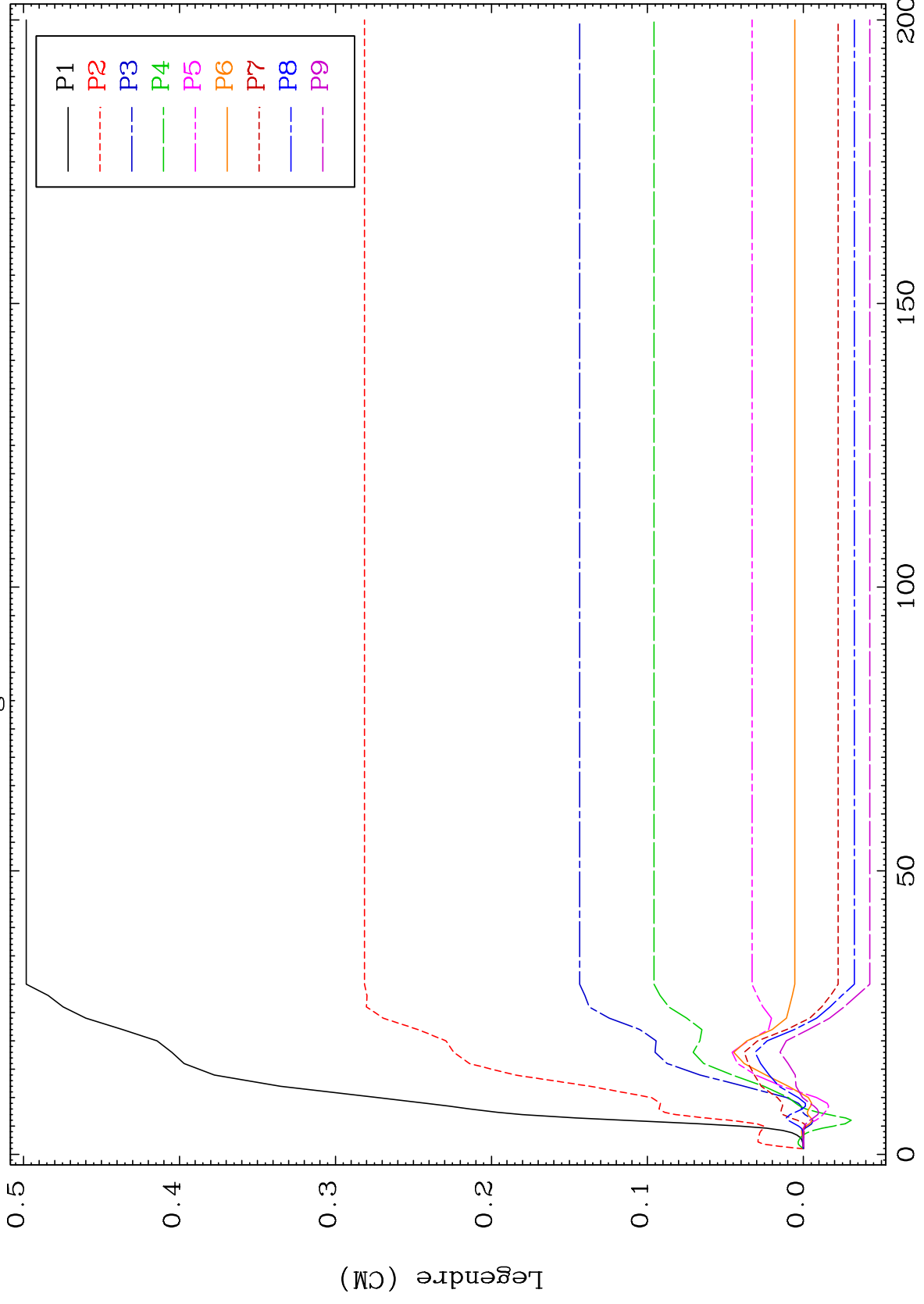
59-Pr-137



MAT 5913

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

59-Pr-137



68

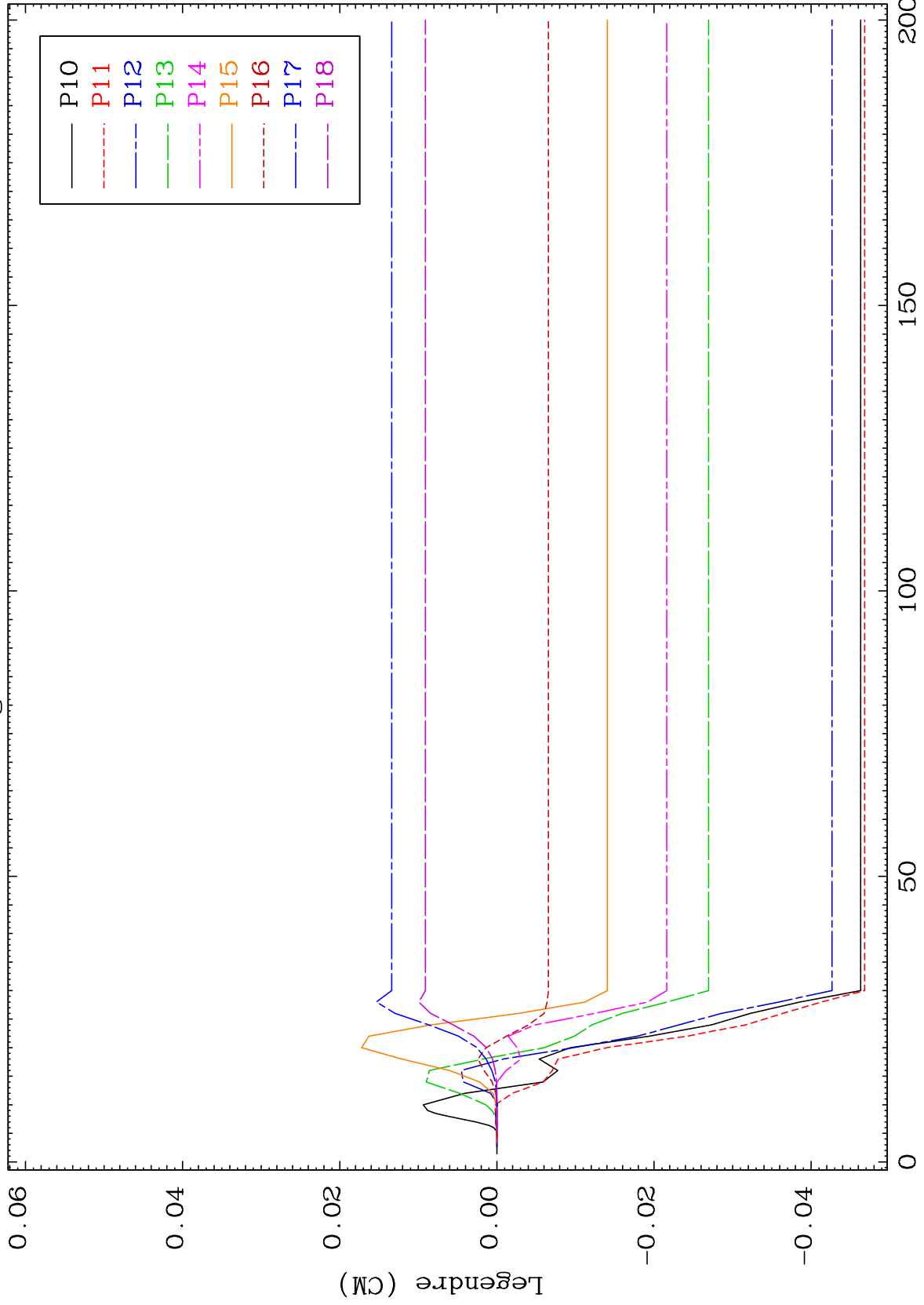
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



69

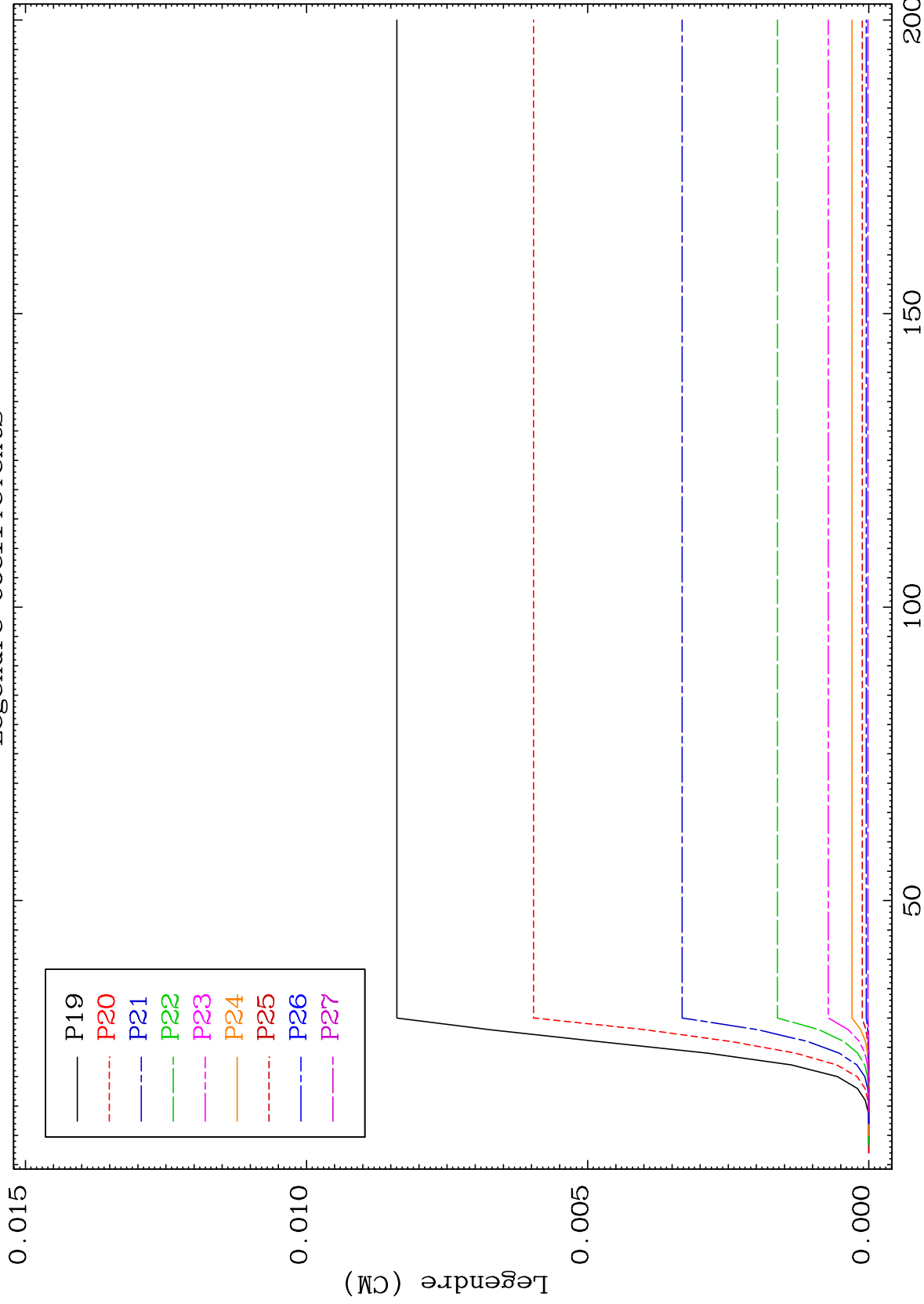
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

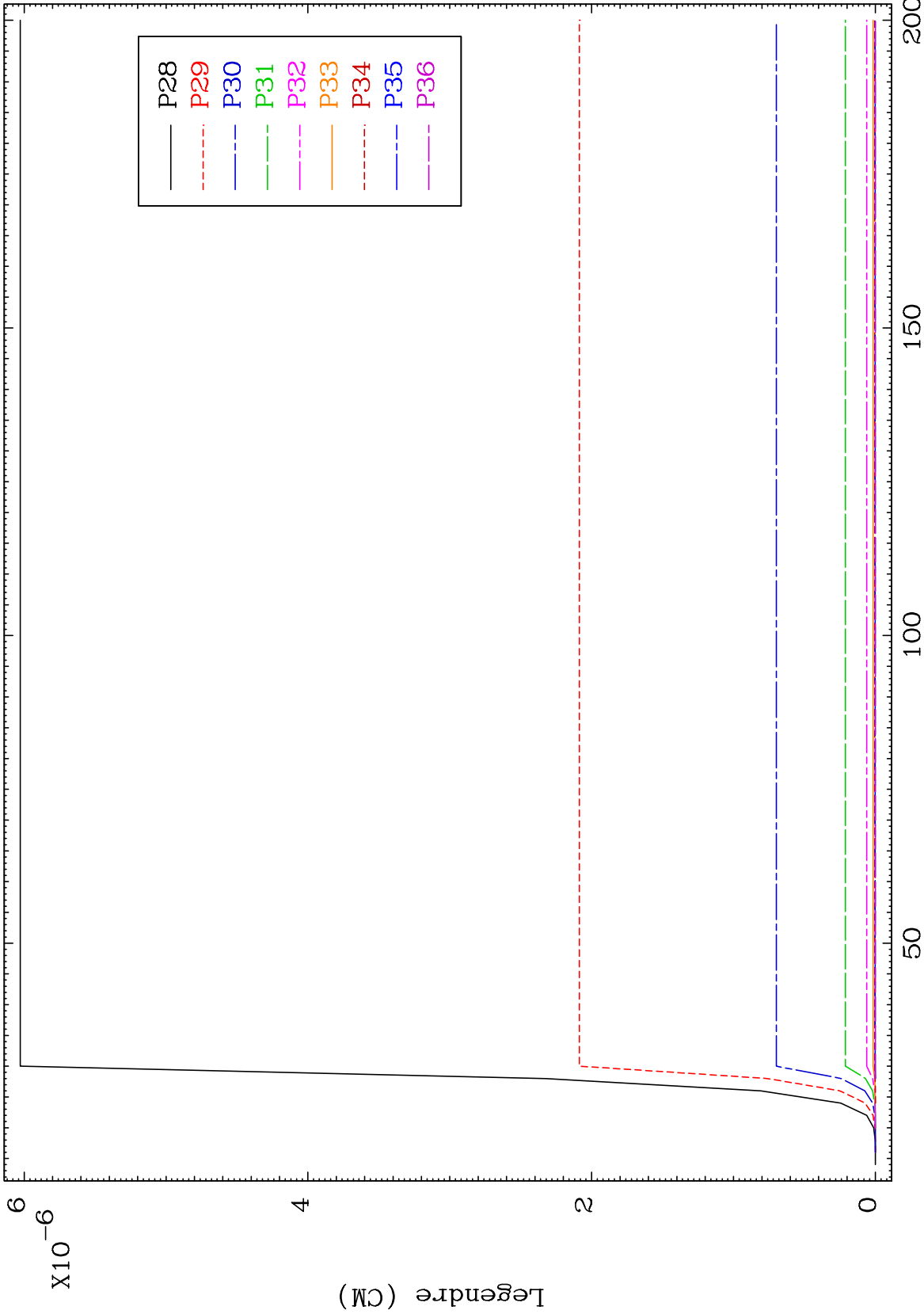
59-Pr-137



70

Incident Energy (MeV)

59-Pr-137

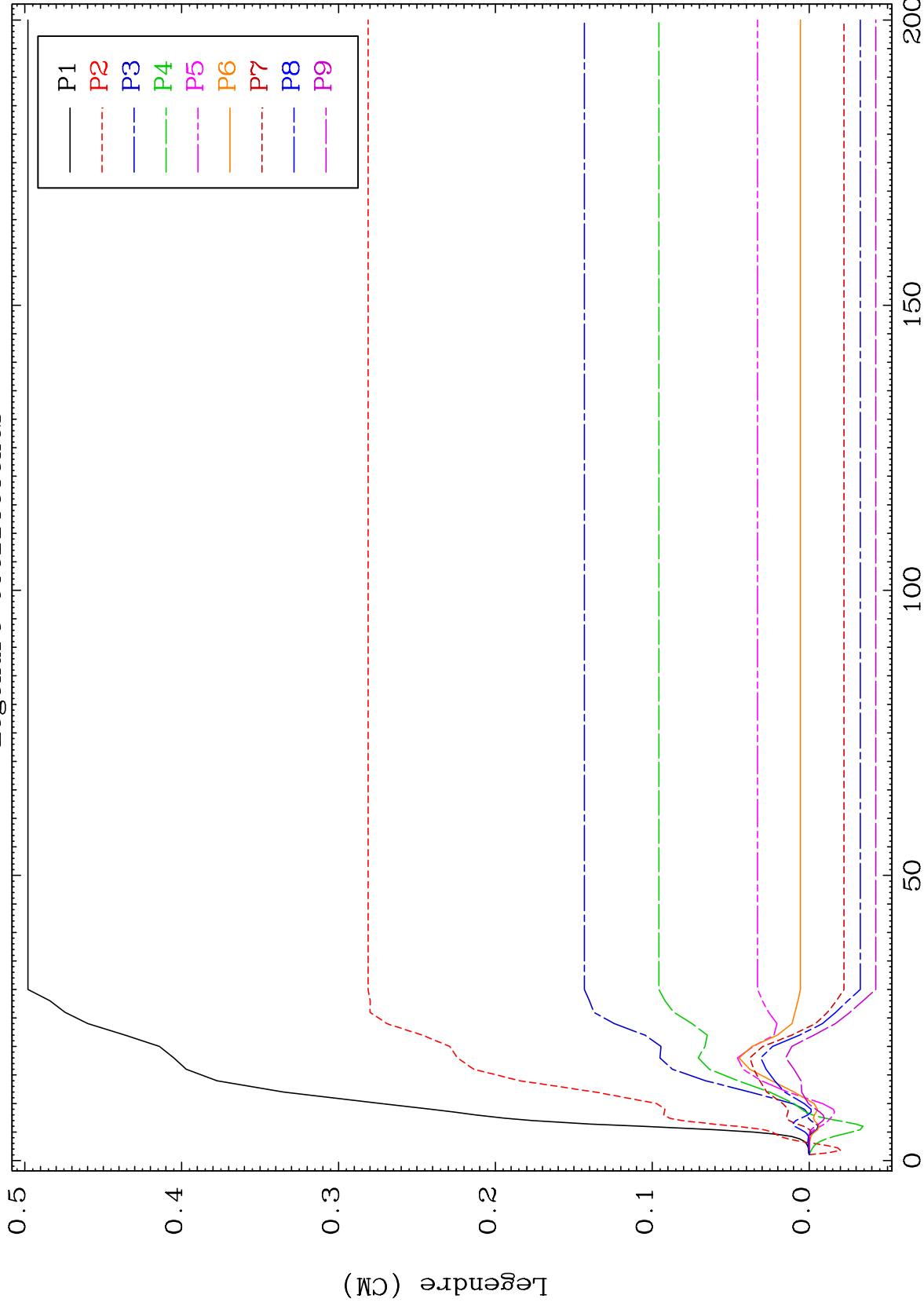




MAT 5913

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

59-Pr-137



72

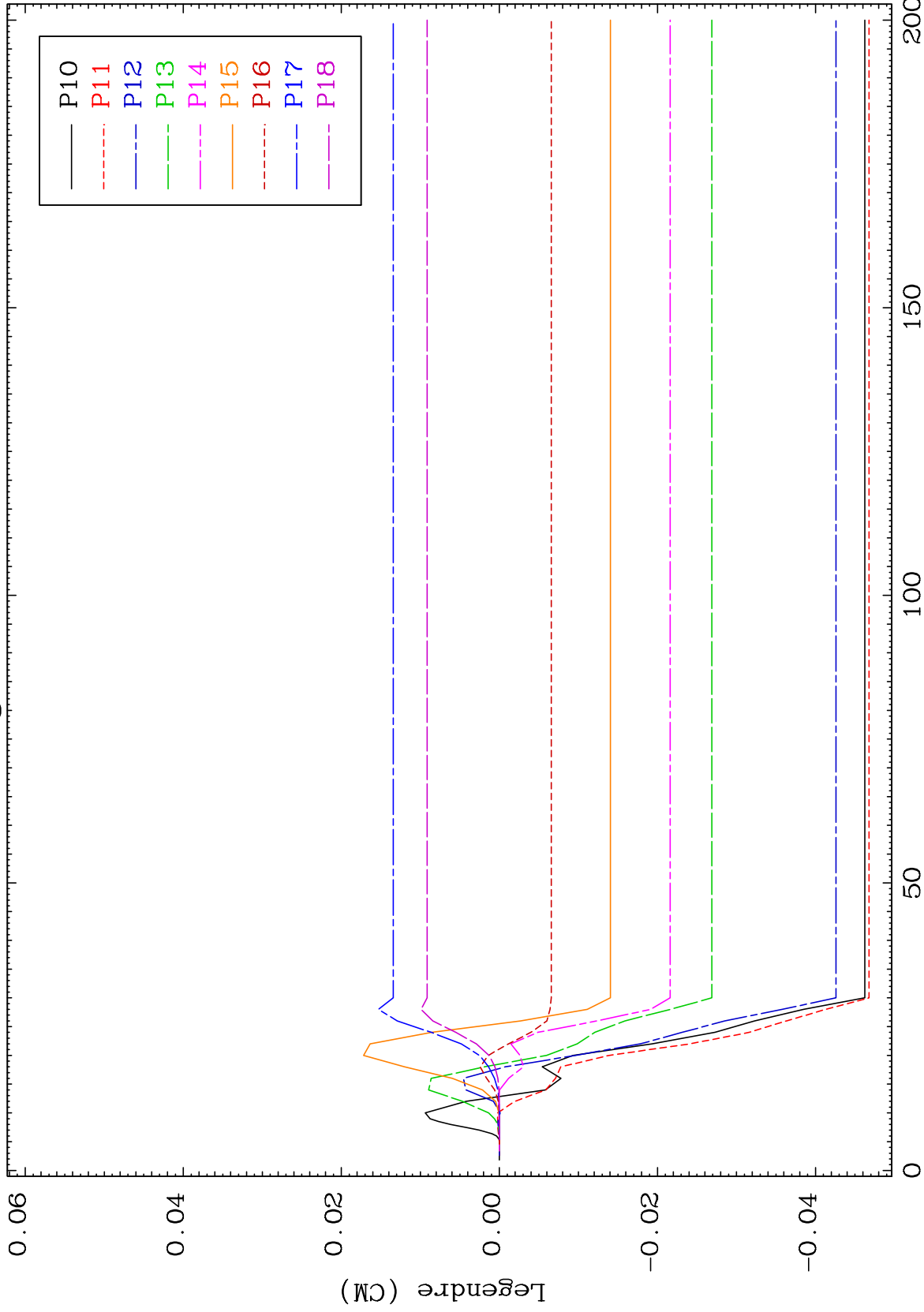
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



73

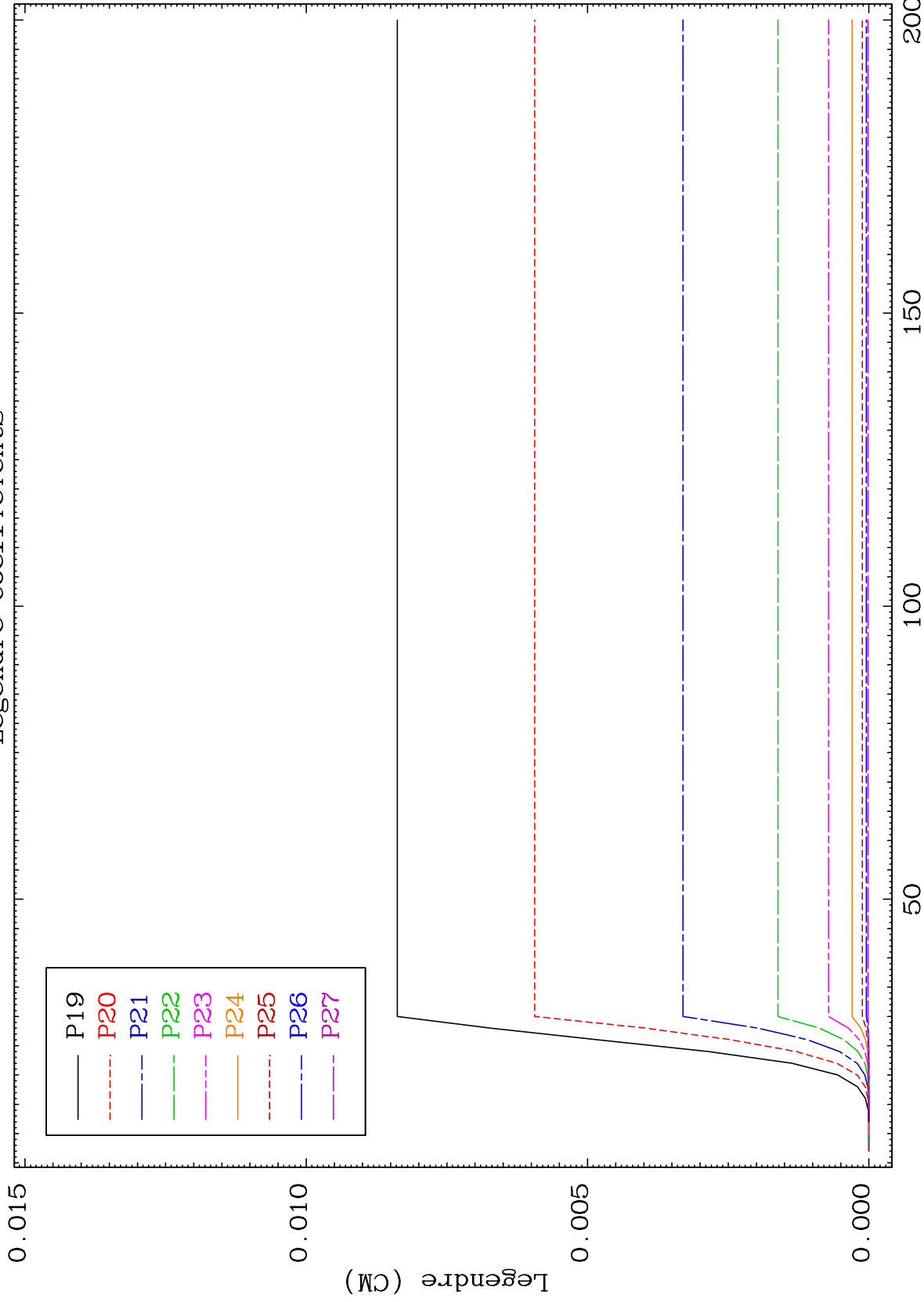
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



74

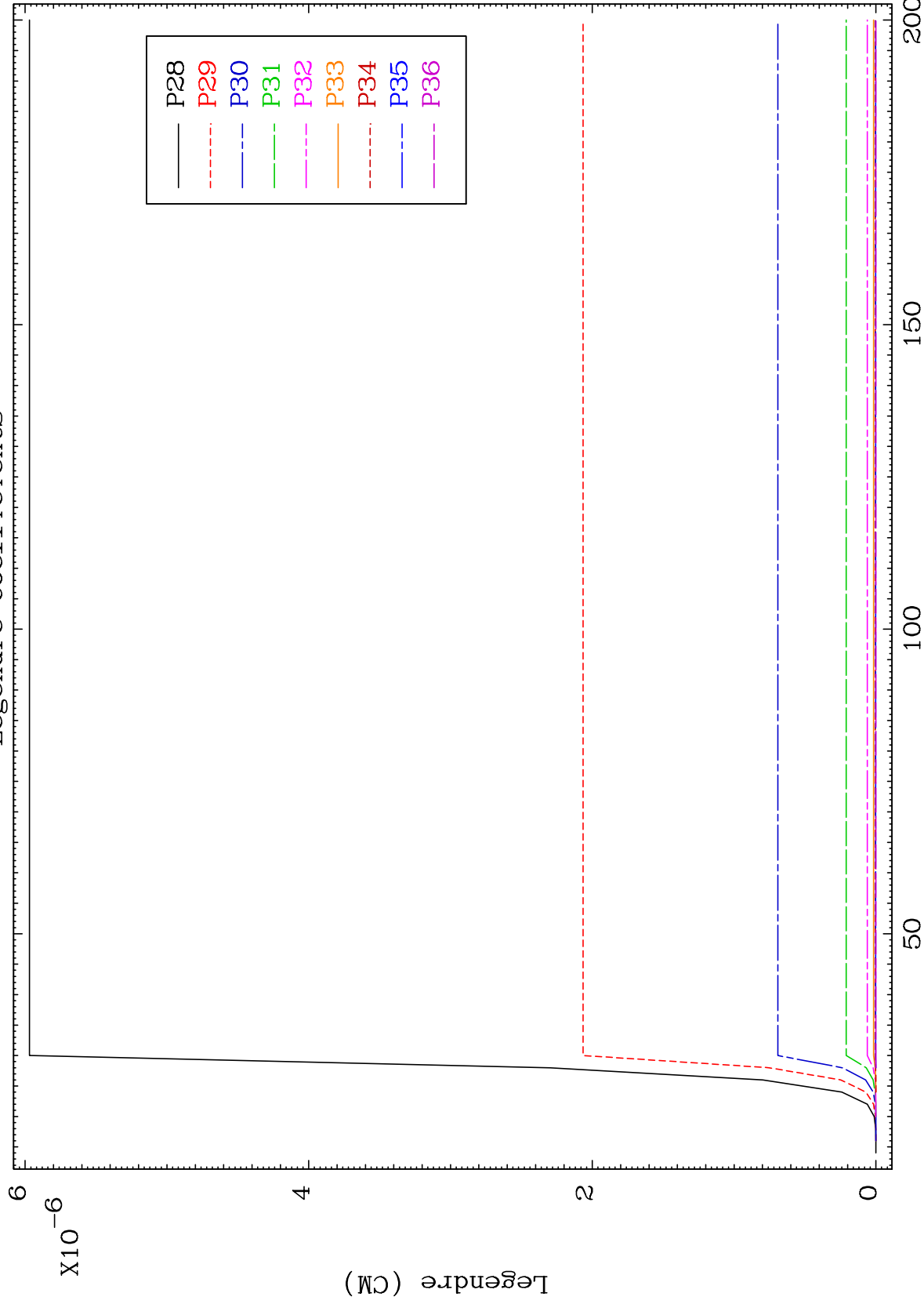
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



75

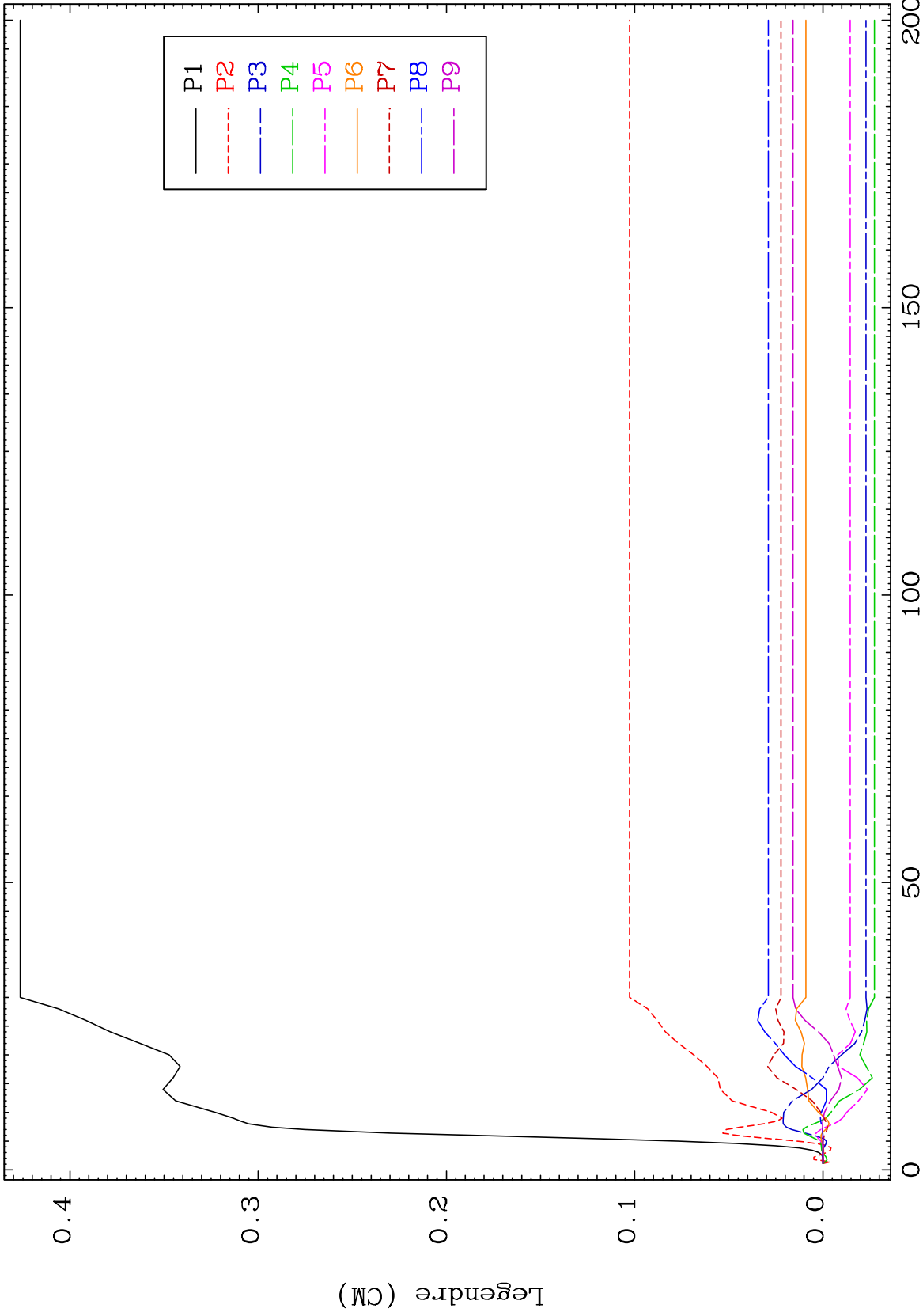
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



76

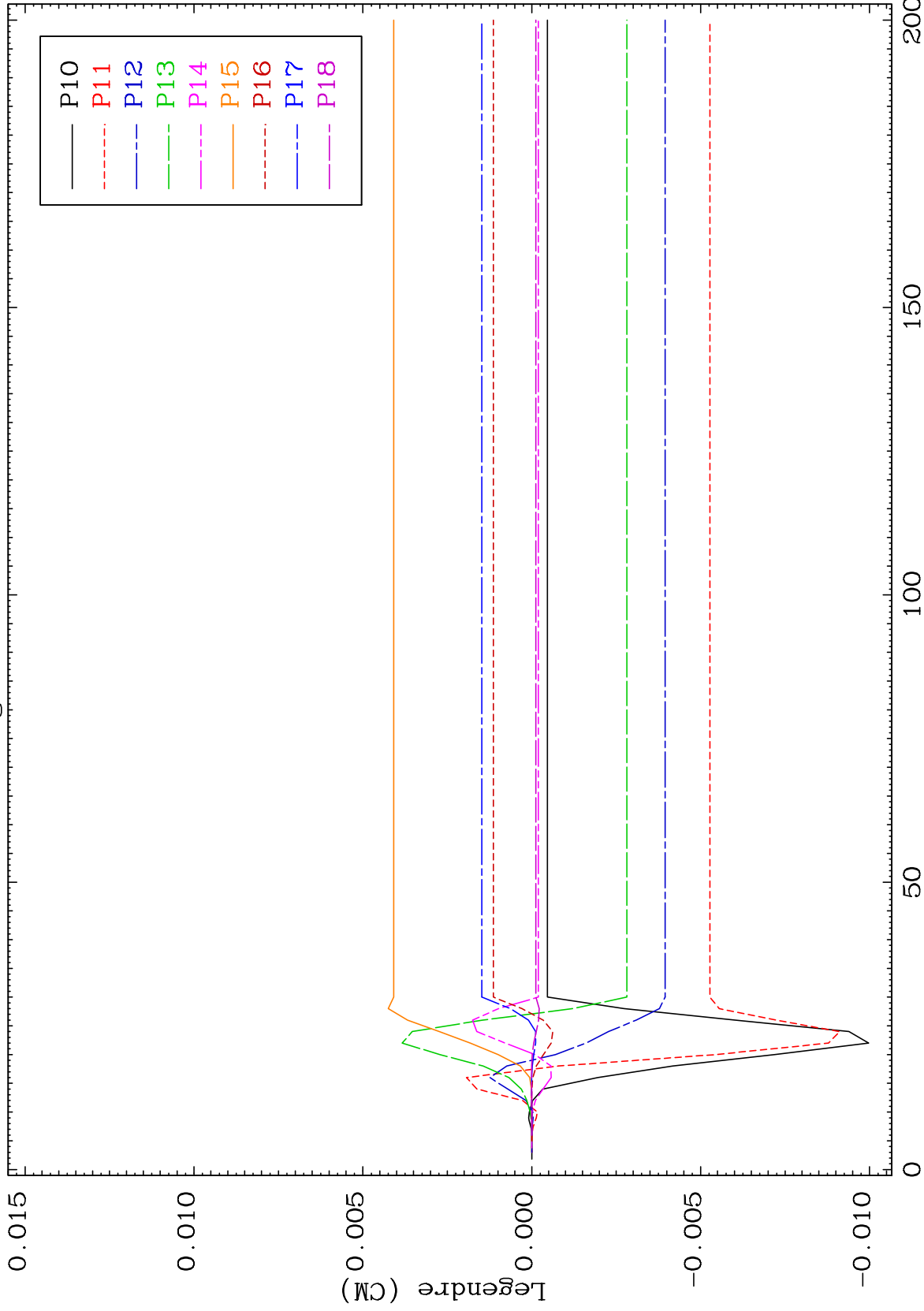
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



77

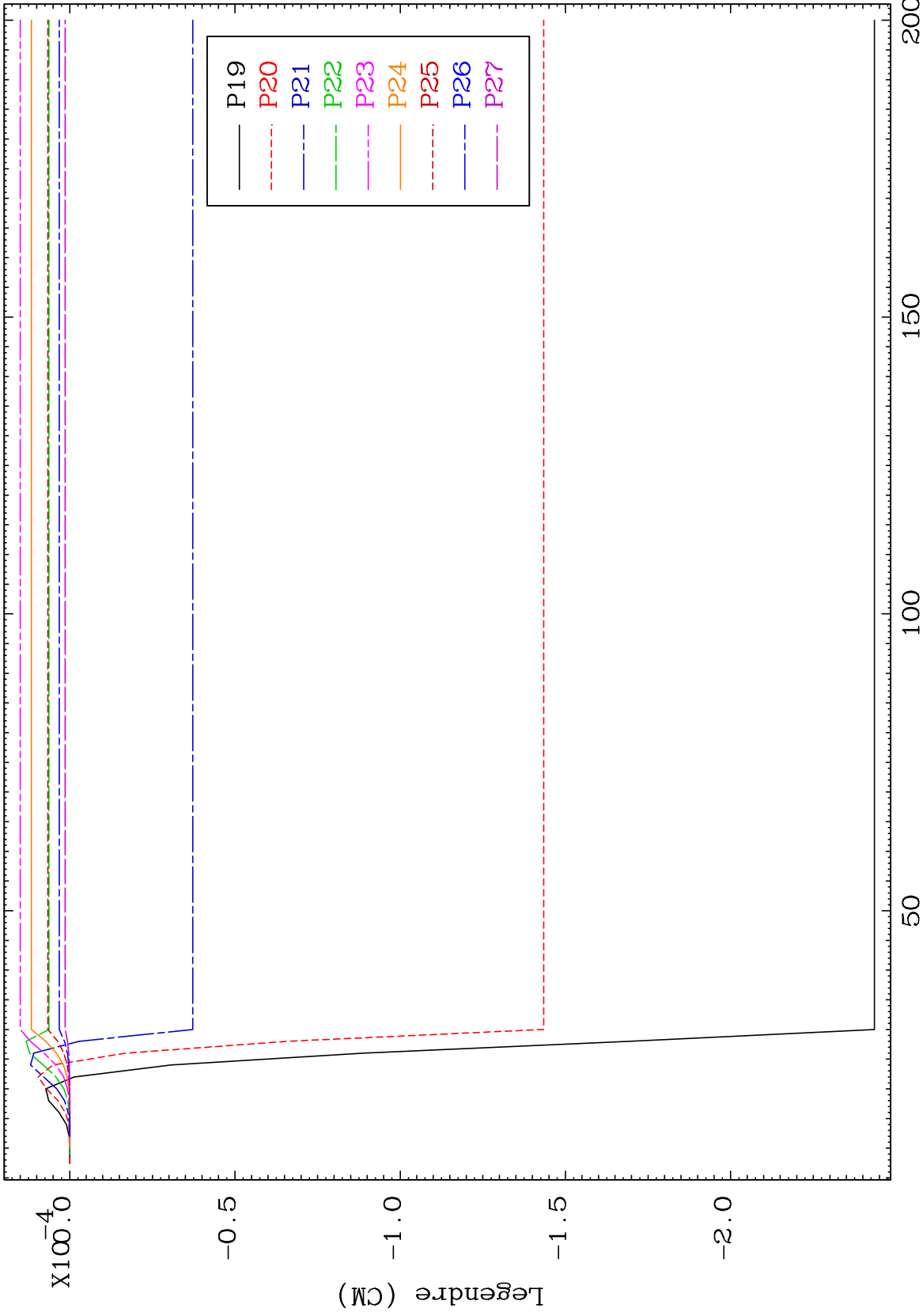
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



78

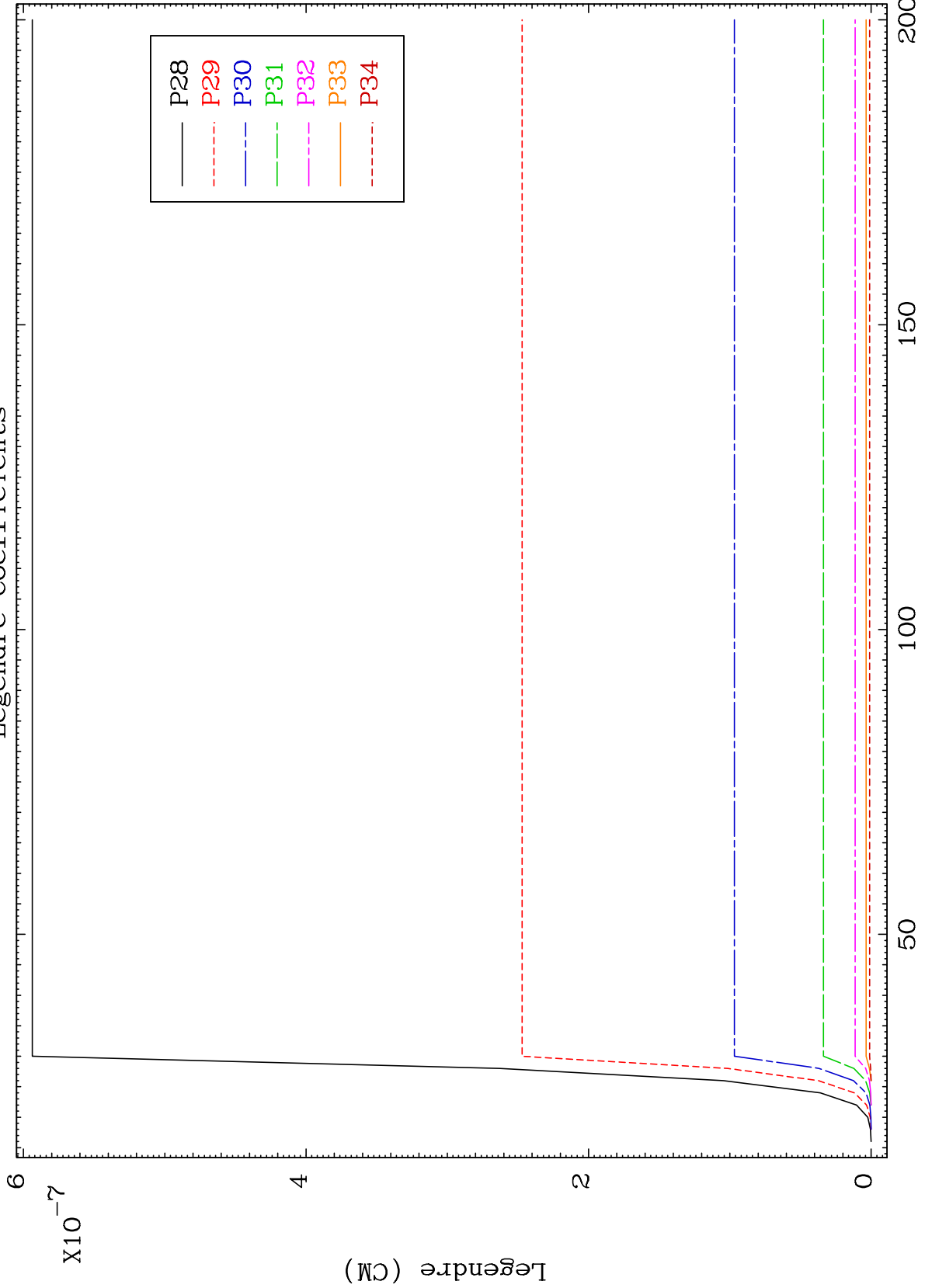
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



79

Incident Energy (MeV)

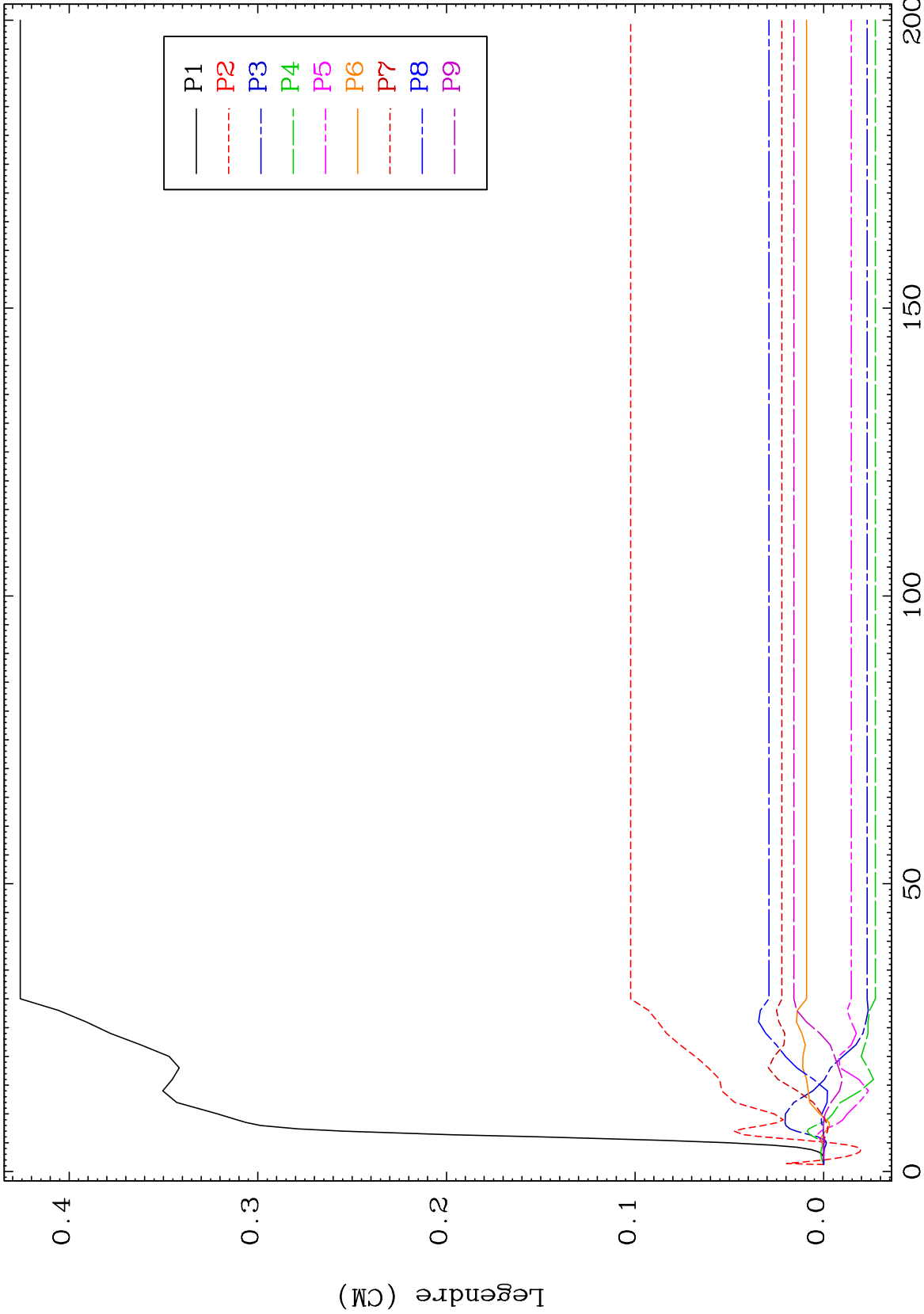
59-Pr-137



MAT 5913

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

59-Pr-137



59-Pr-137

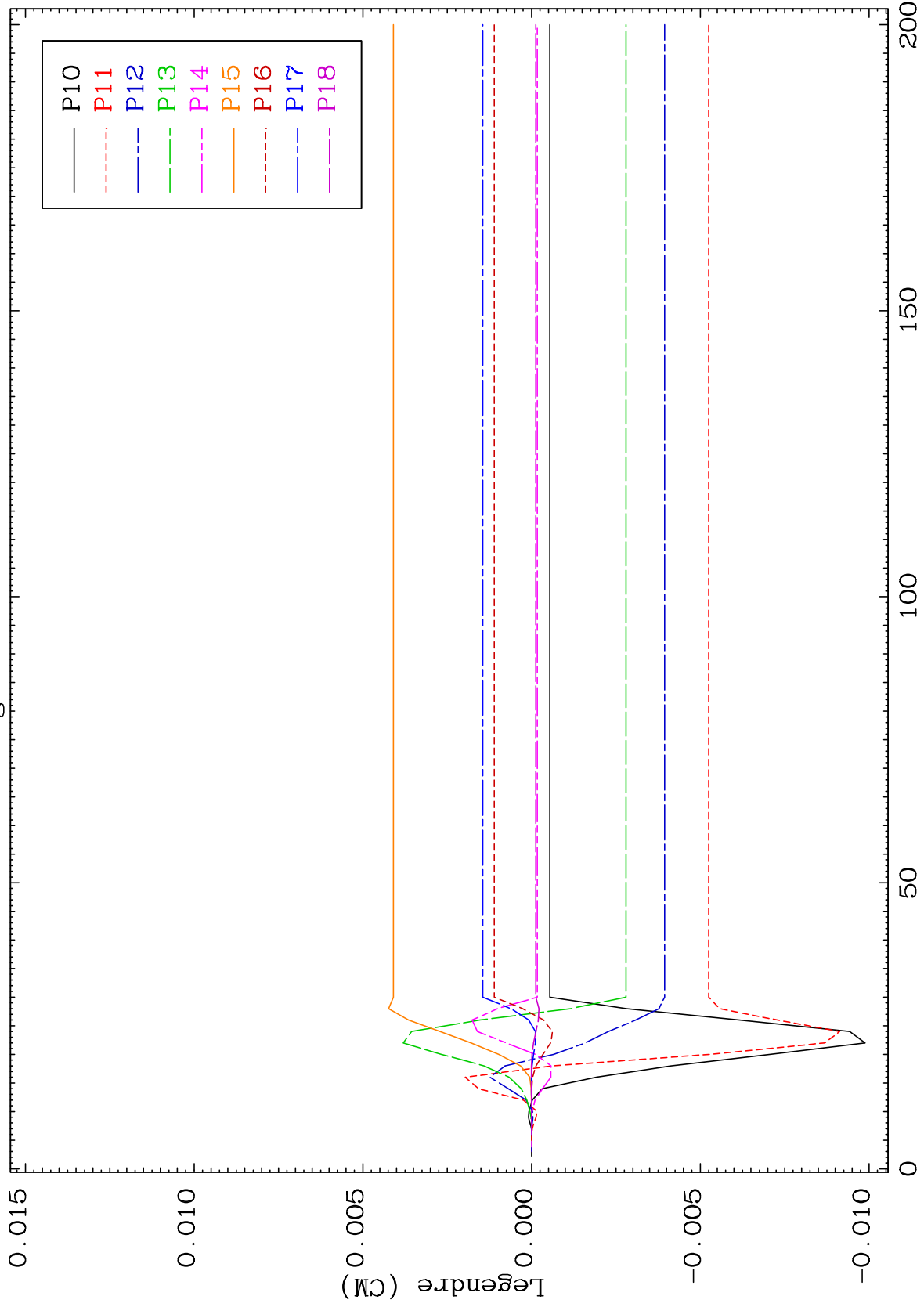
Incident Energy (MeV)

80

MAT 5913

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

59-Pr-137



81

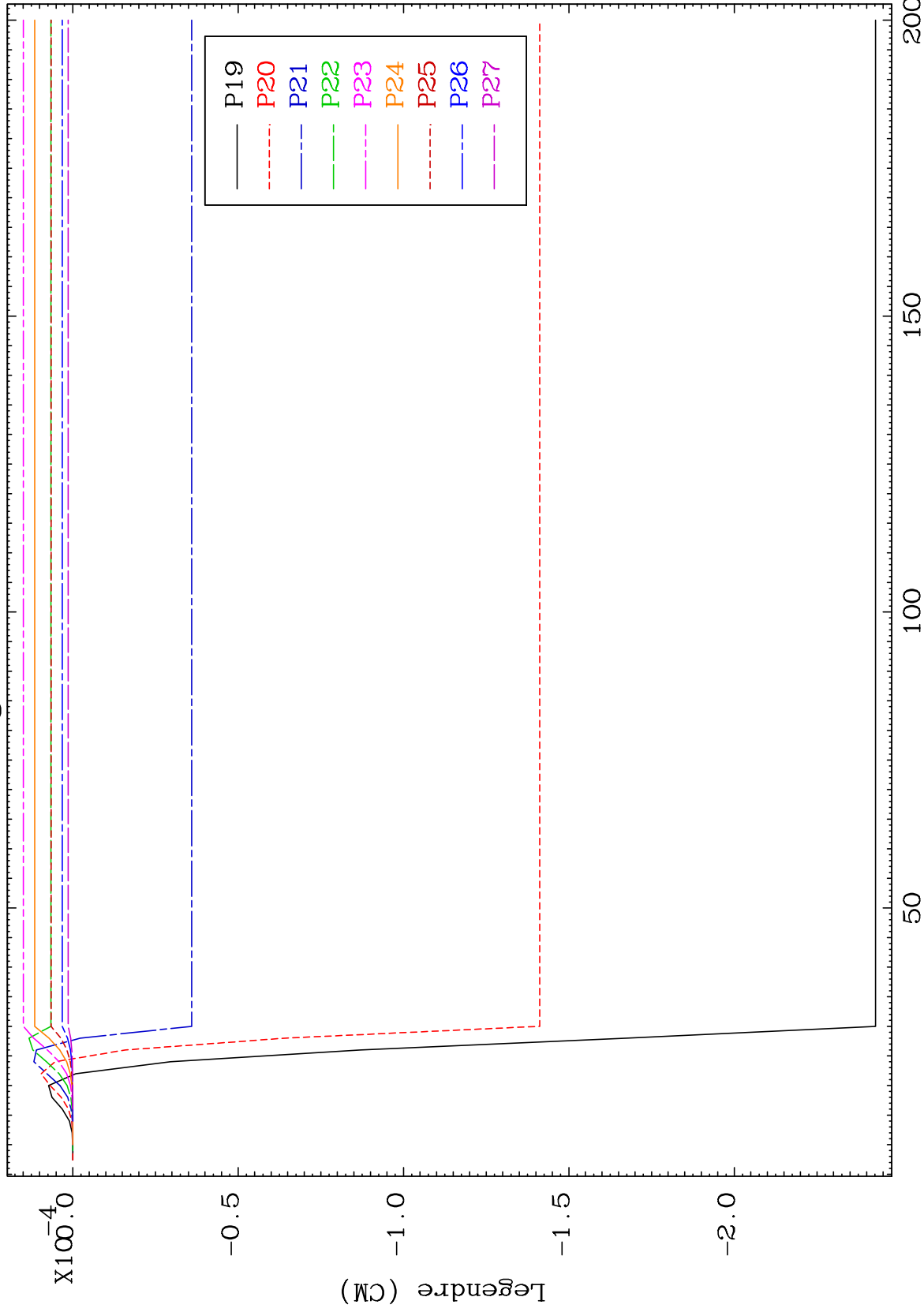
Incident Energy (MeV)

59-Pr-137

MAT 5913

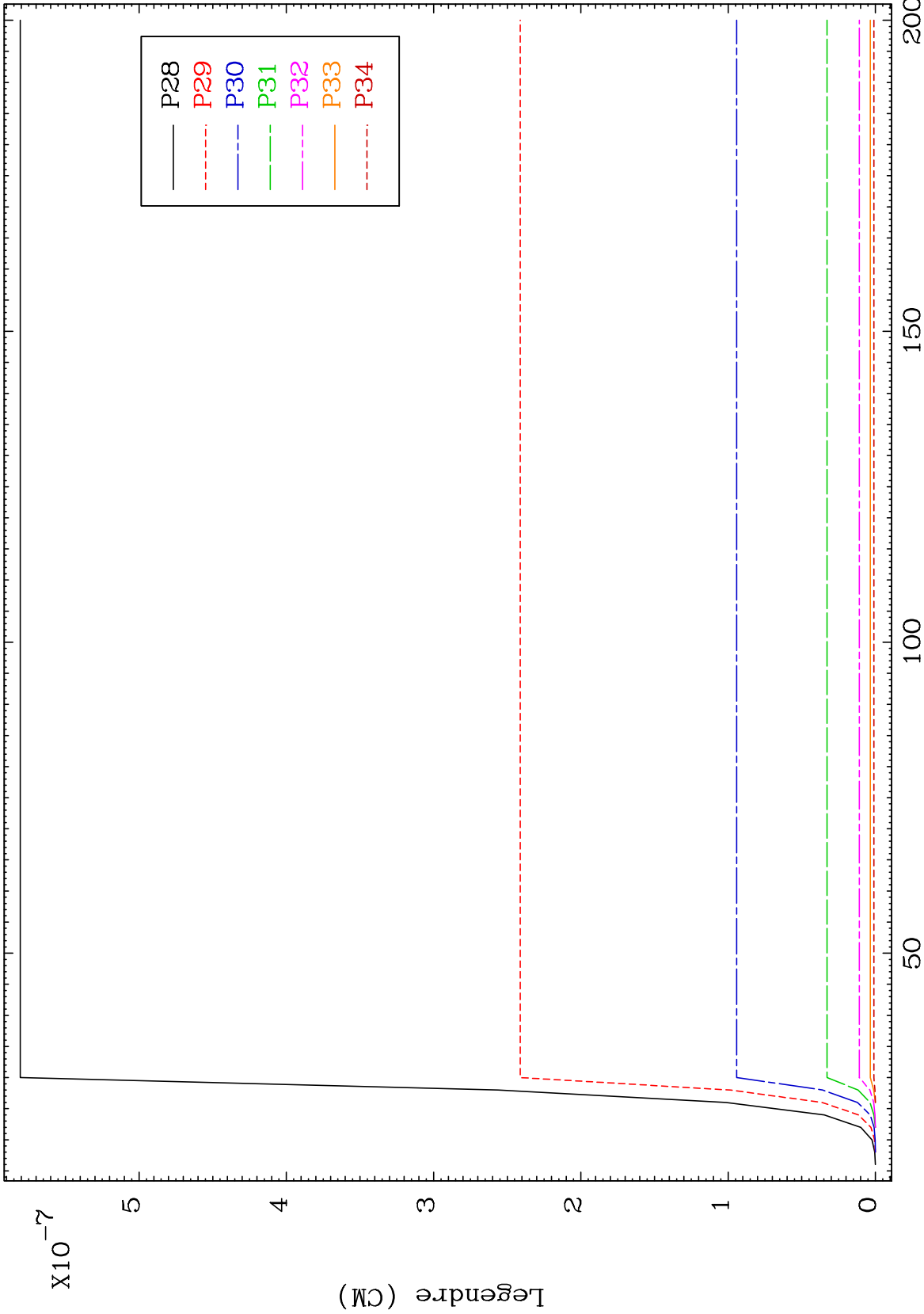
MT= 66 (n,n') Level  
Legendre Coefficients

59-Pr-137



82

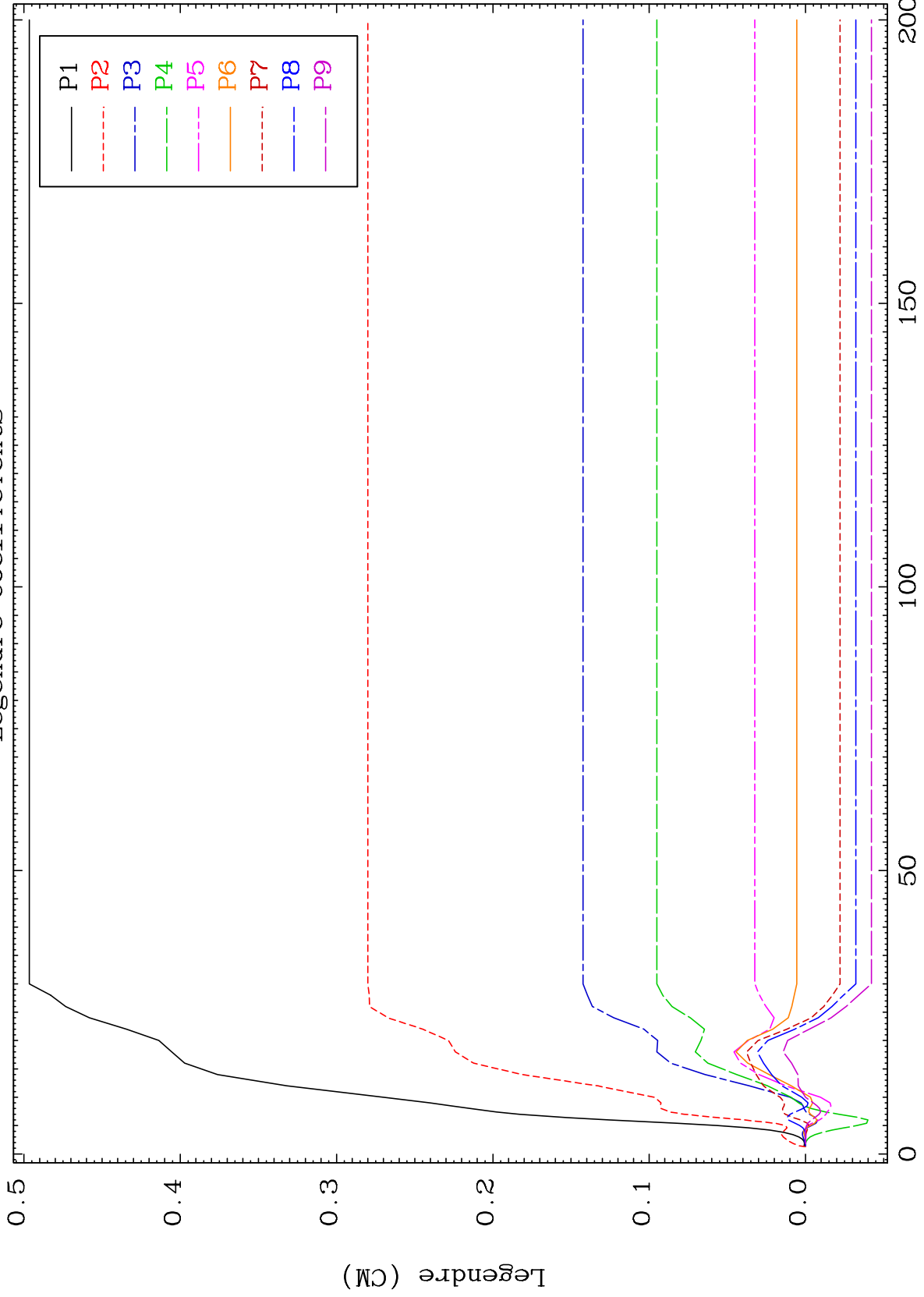
59-Pr-137



MAT 5913

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

59-Pr-137



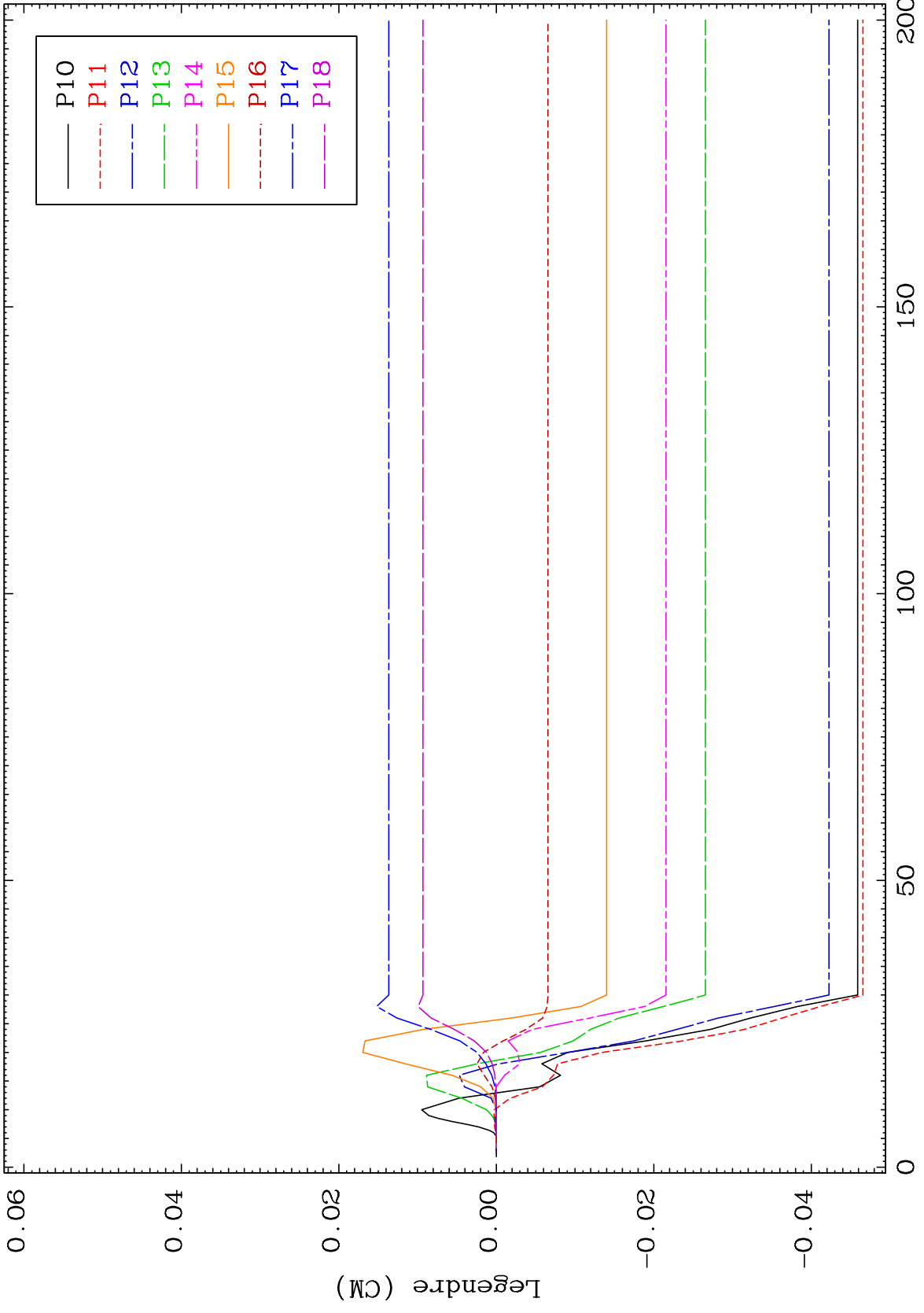
84

59-Pr-137

MAT 5913

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

59-Pr-137



85

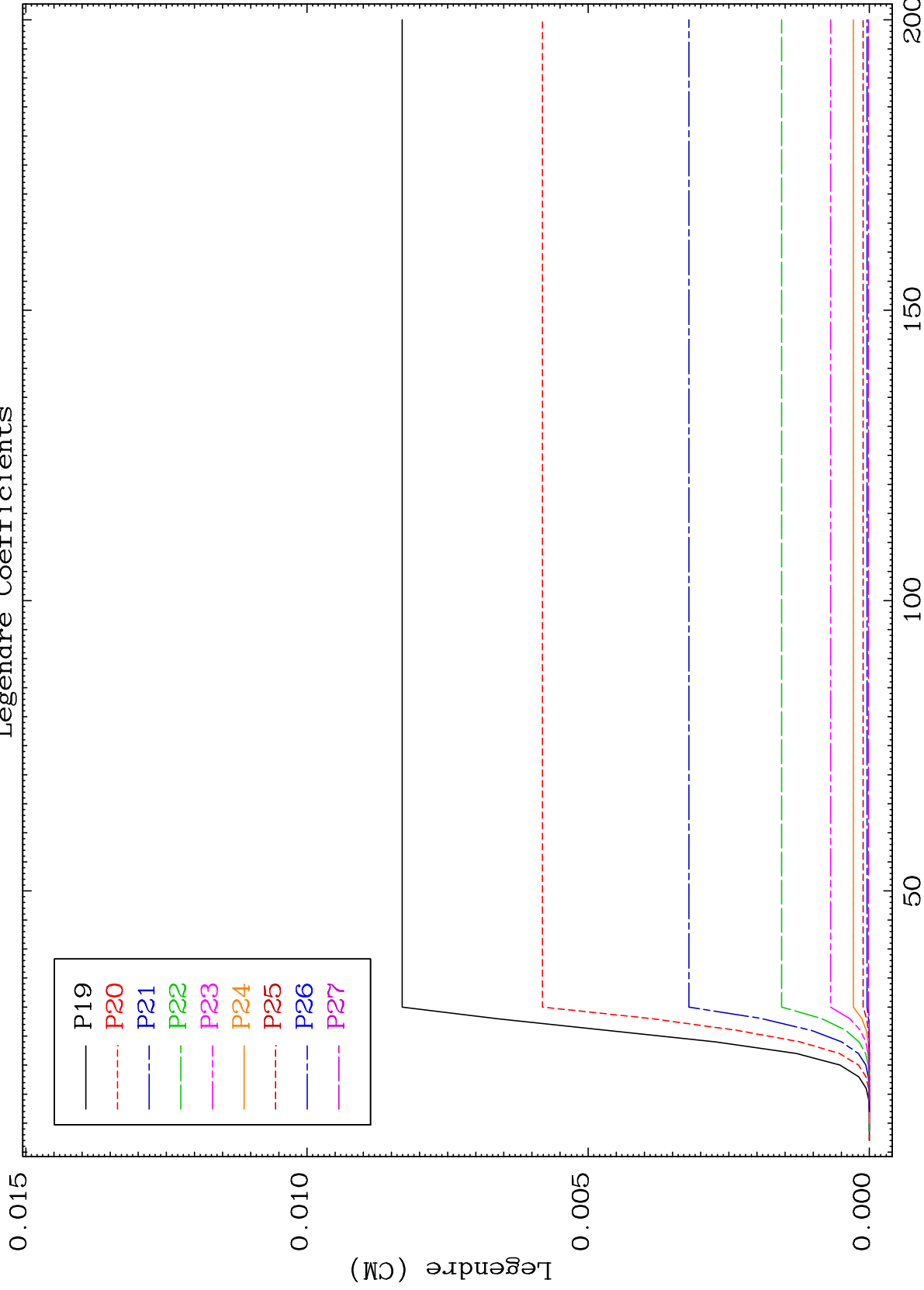
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



86

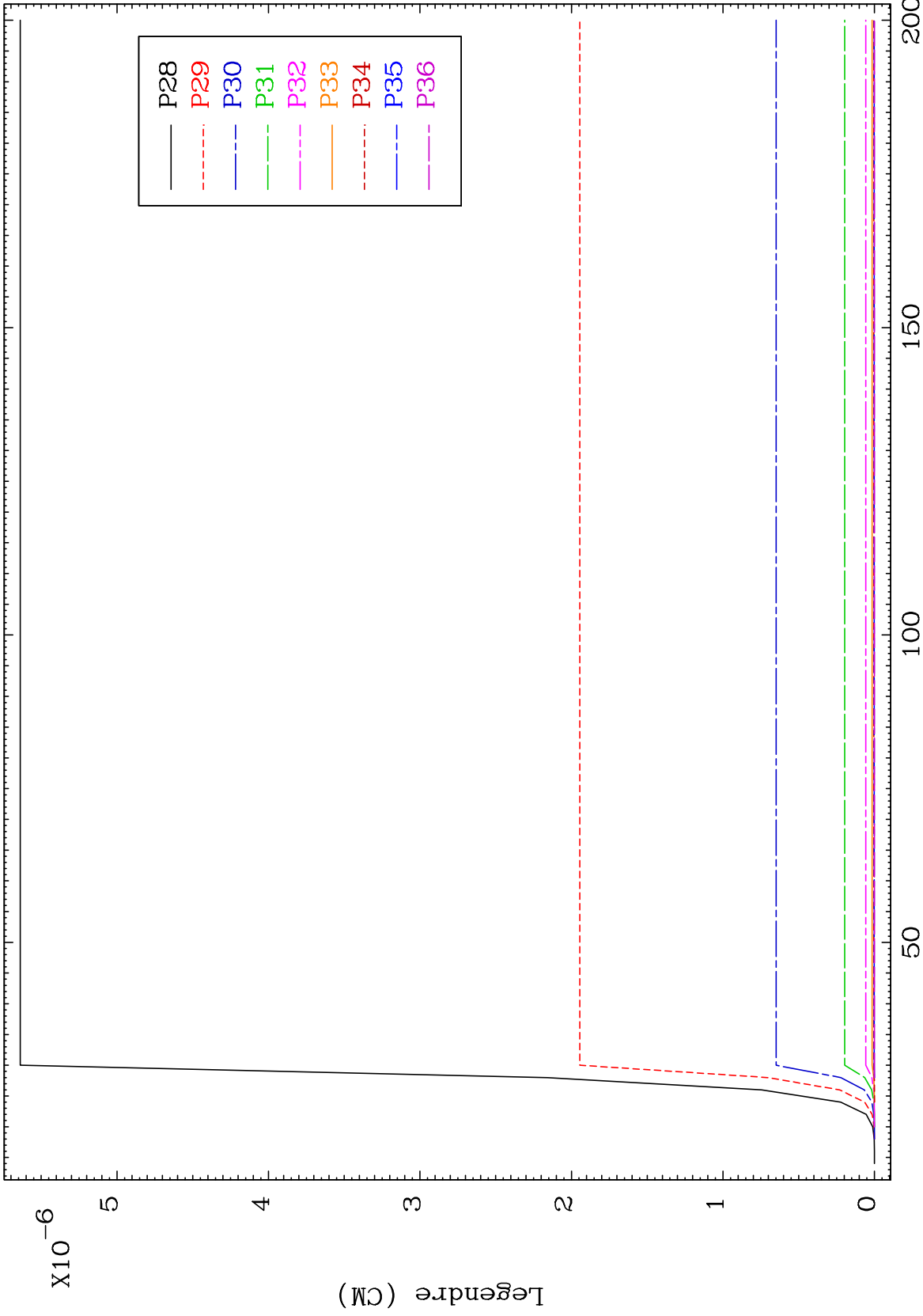
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



87

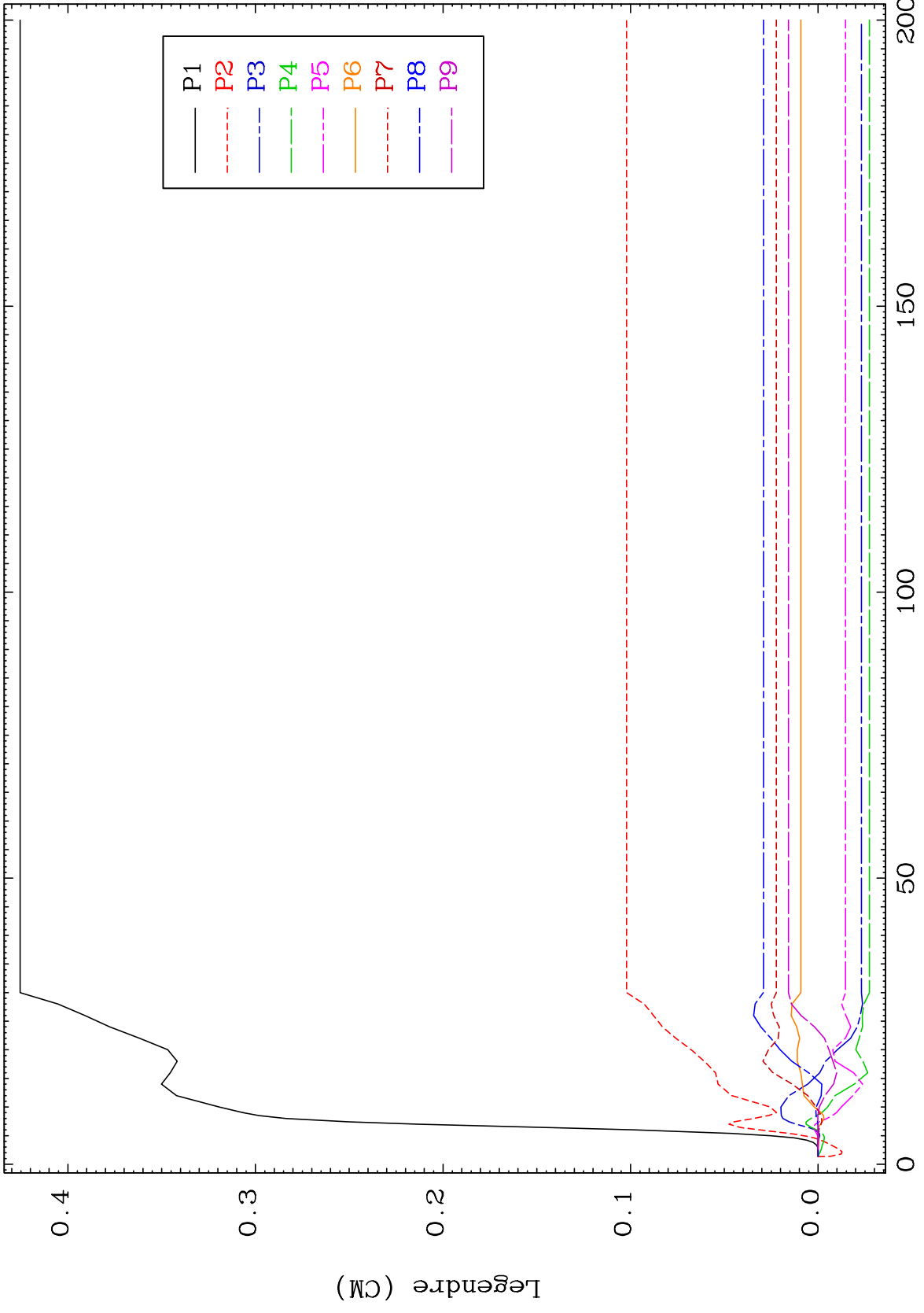
59-Pr-137



MAT 5913

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

59-Pr-137



88

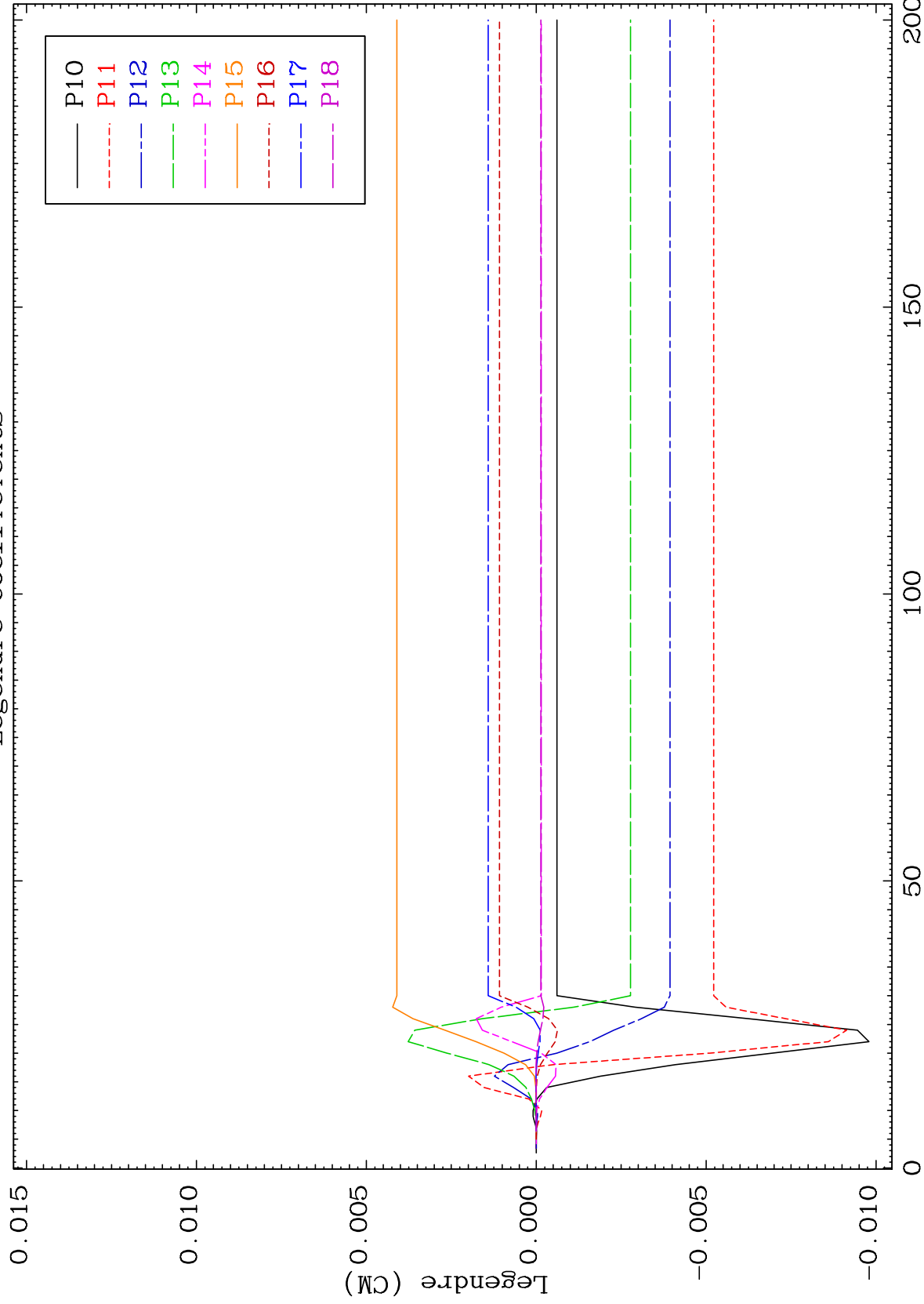
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



89

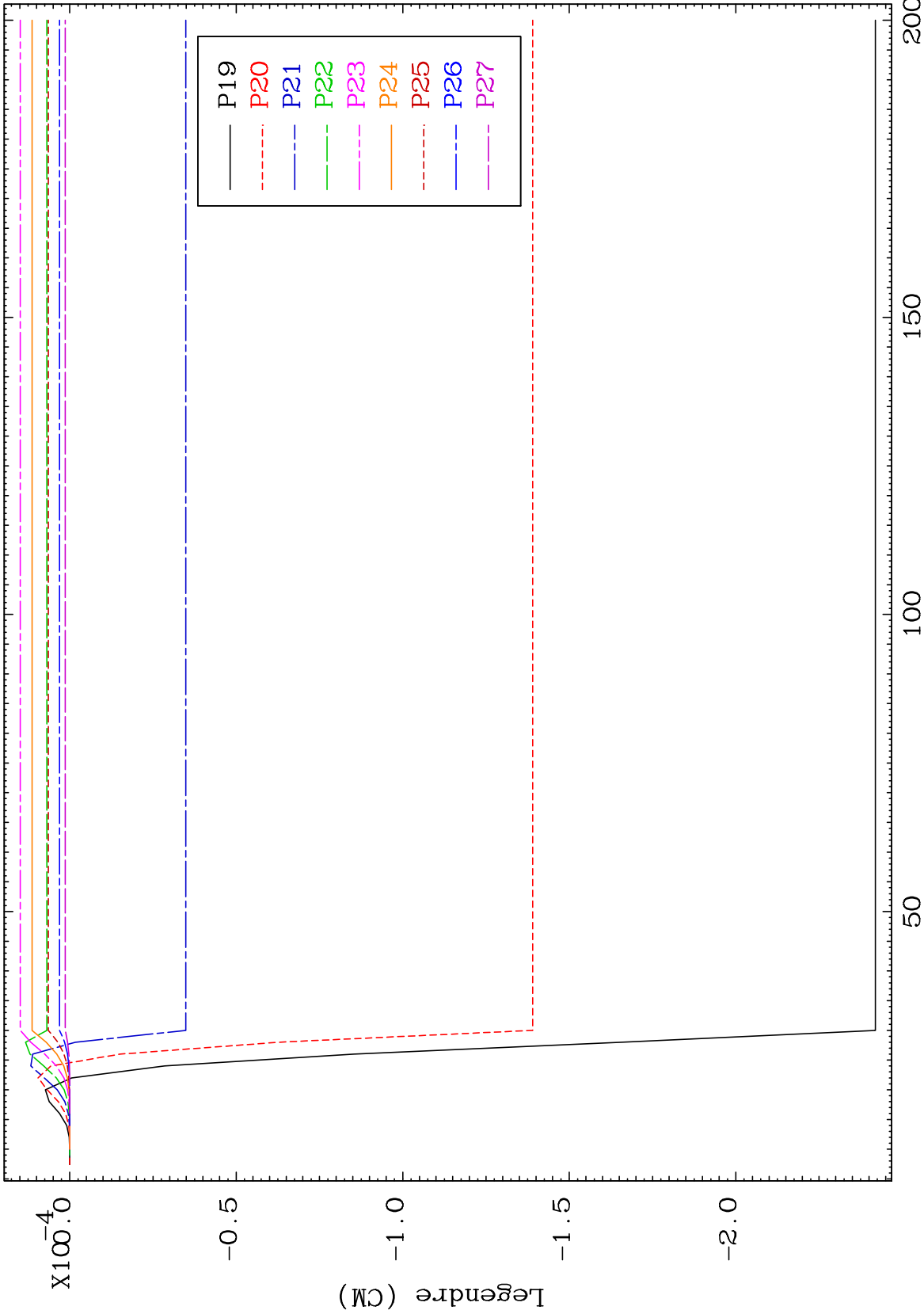
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



90

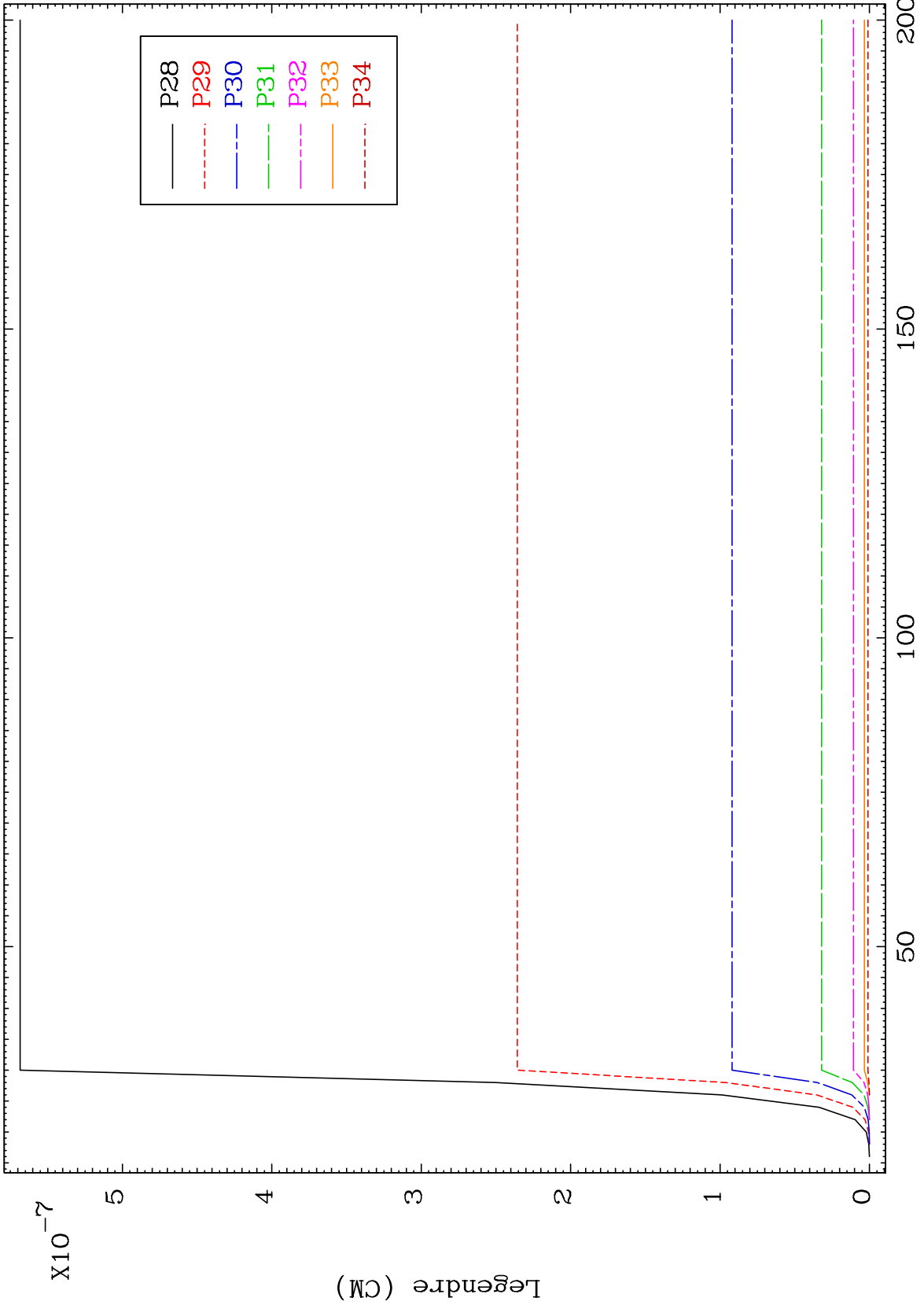
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



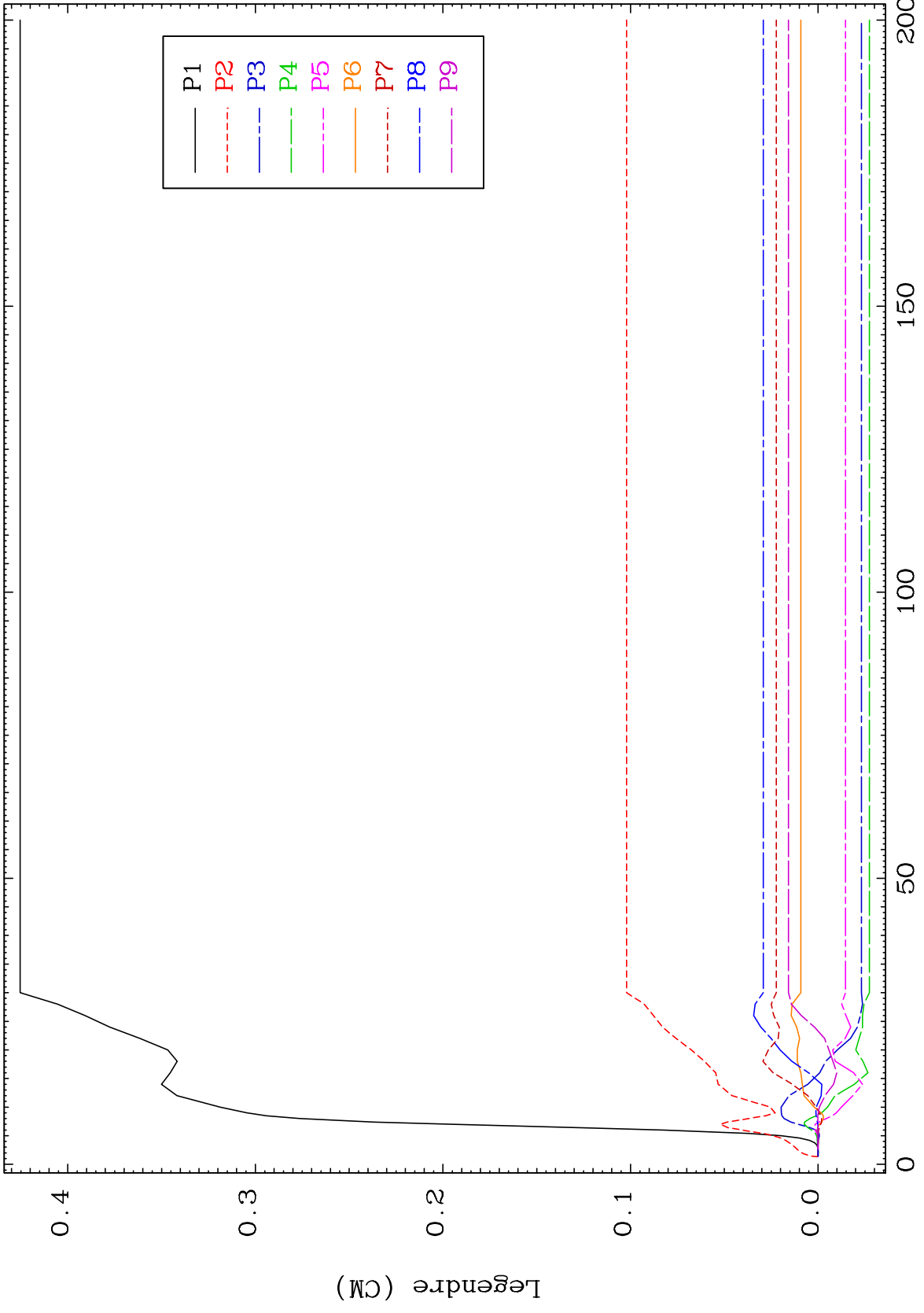
91

59-Pr-137

MAT 5913

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

59-Pr-137



92

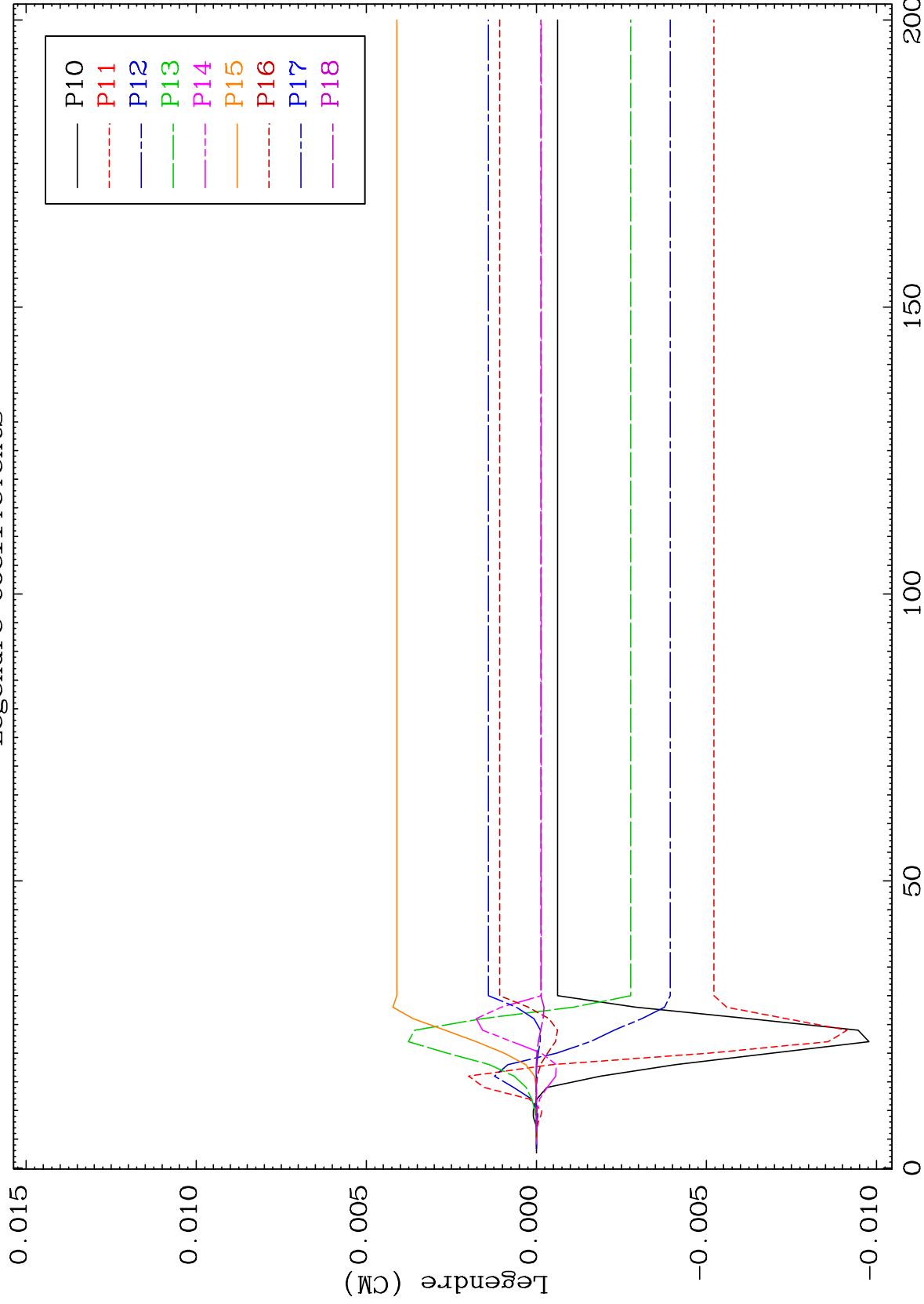
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



93

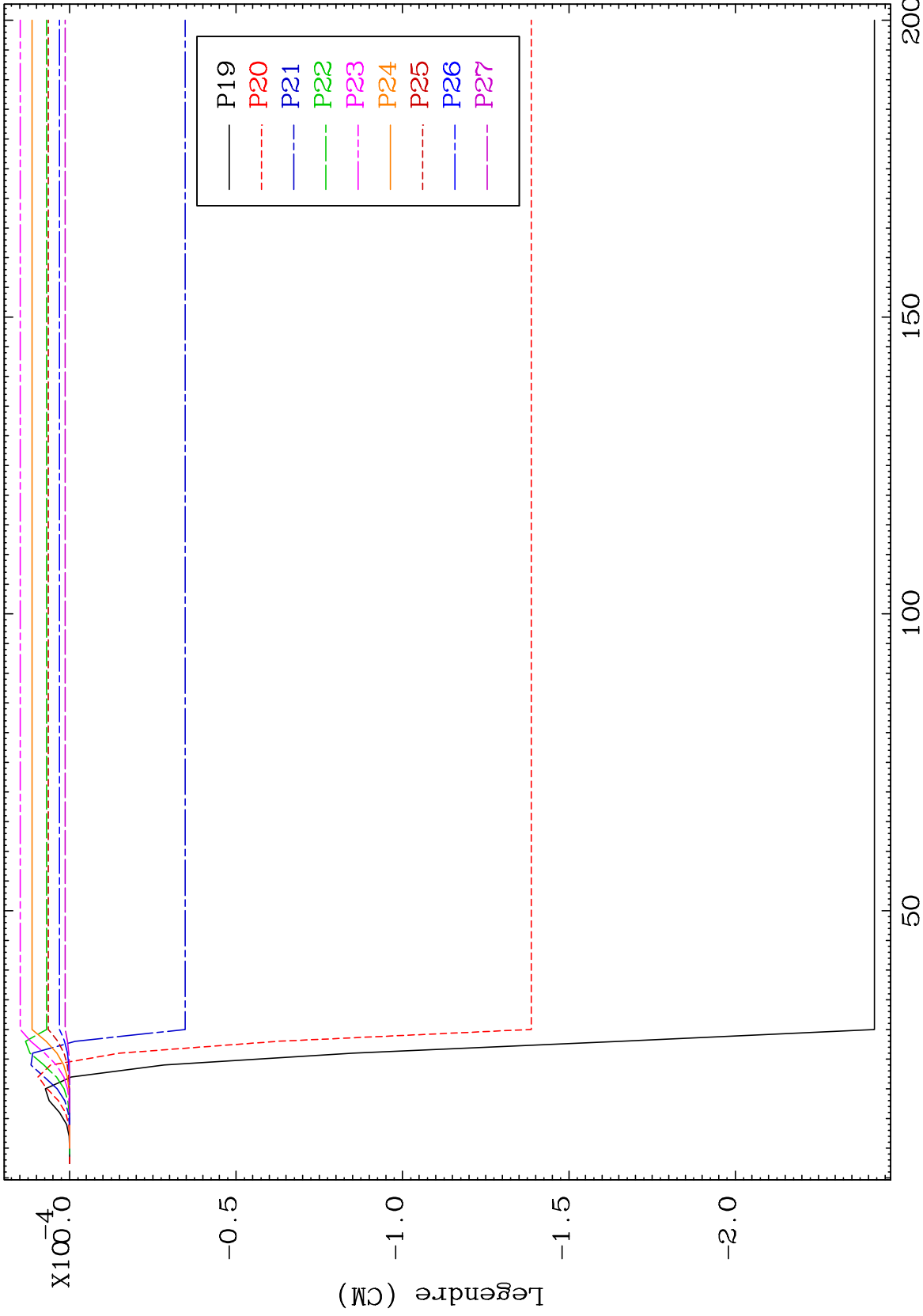
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



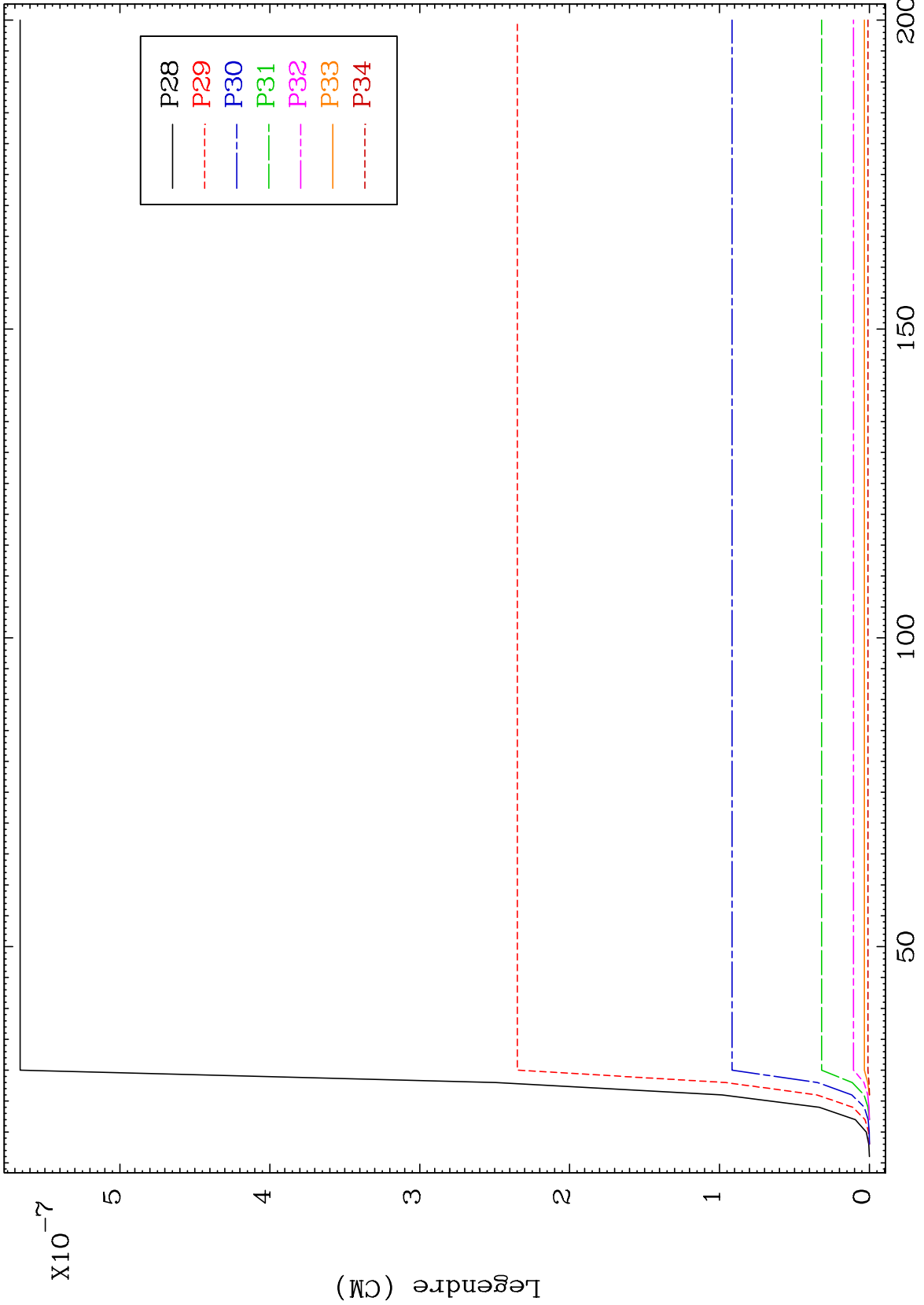
94

59-Pr-137

MAT 5913

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

59-Pr-137



95

Incident Energy (MeV)

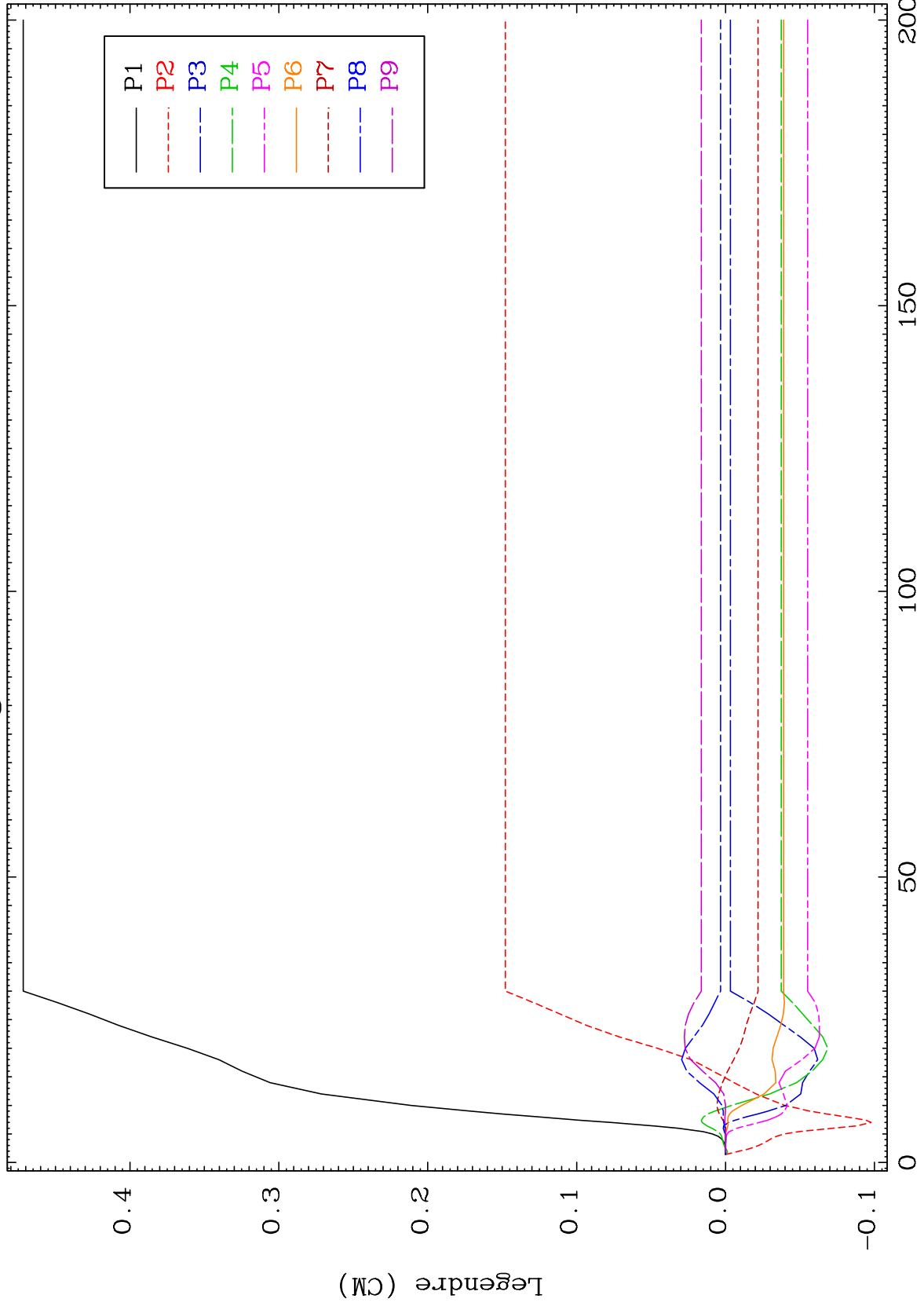
59-Pr-137



MAT 5913

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

59-Pr-137



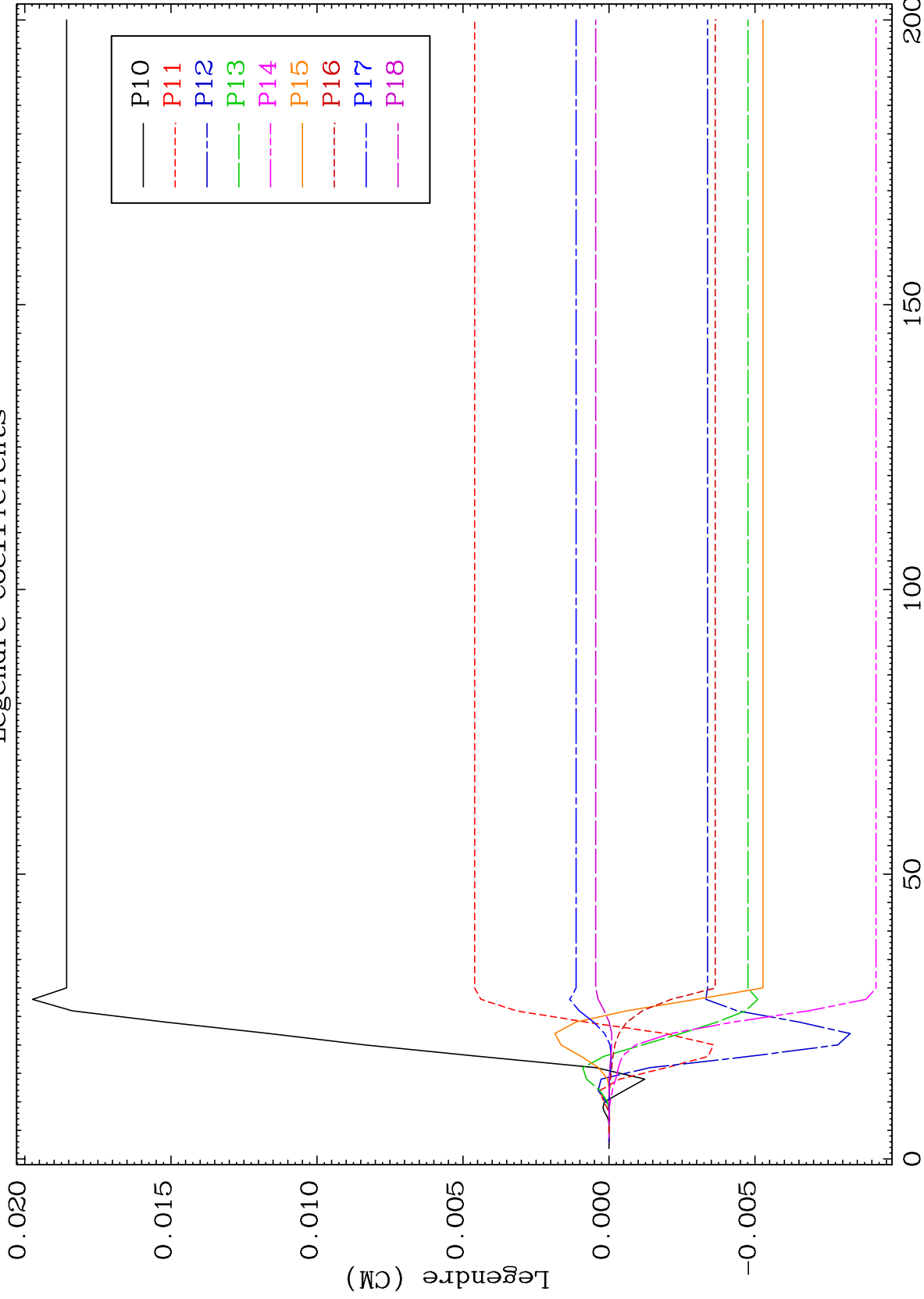
96

59-Pr-137

MAT 5913

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

59-Pr-137



97

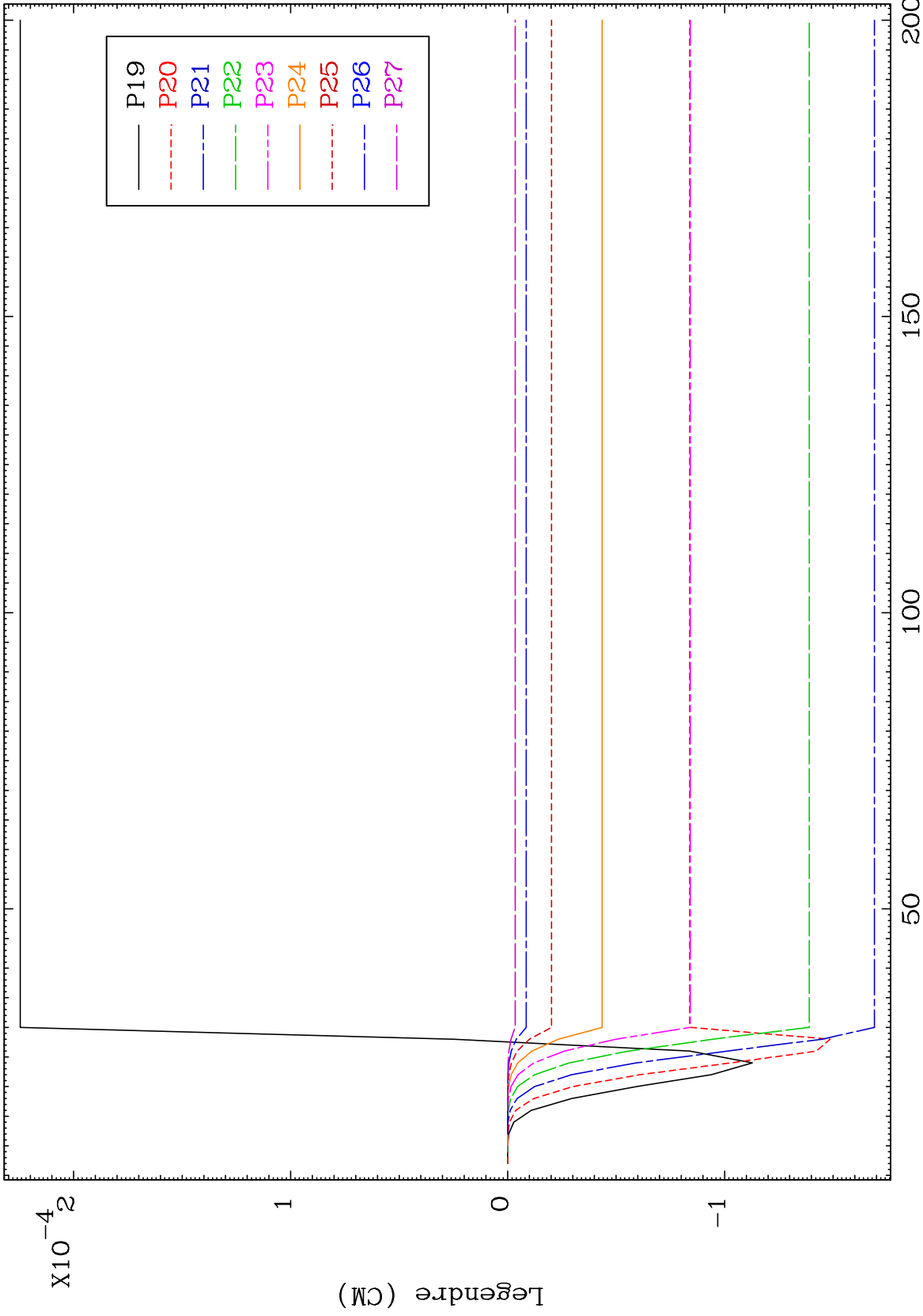
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



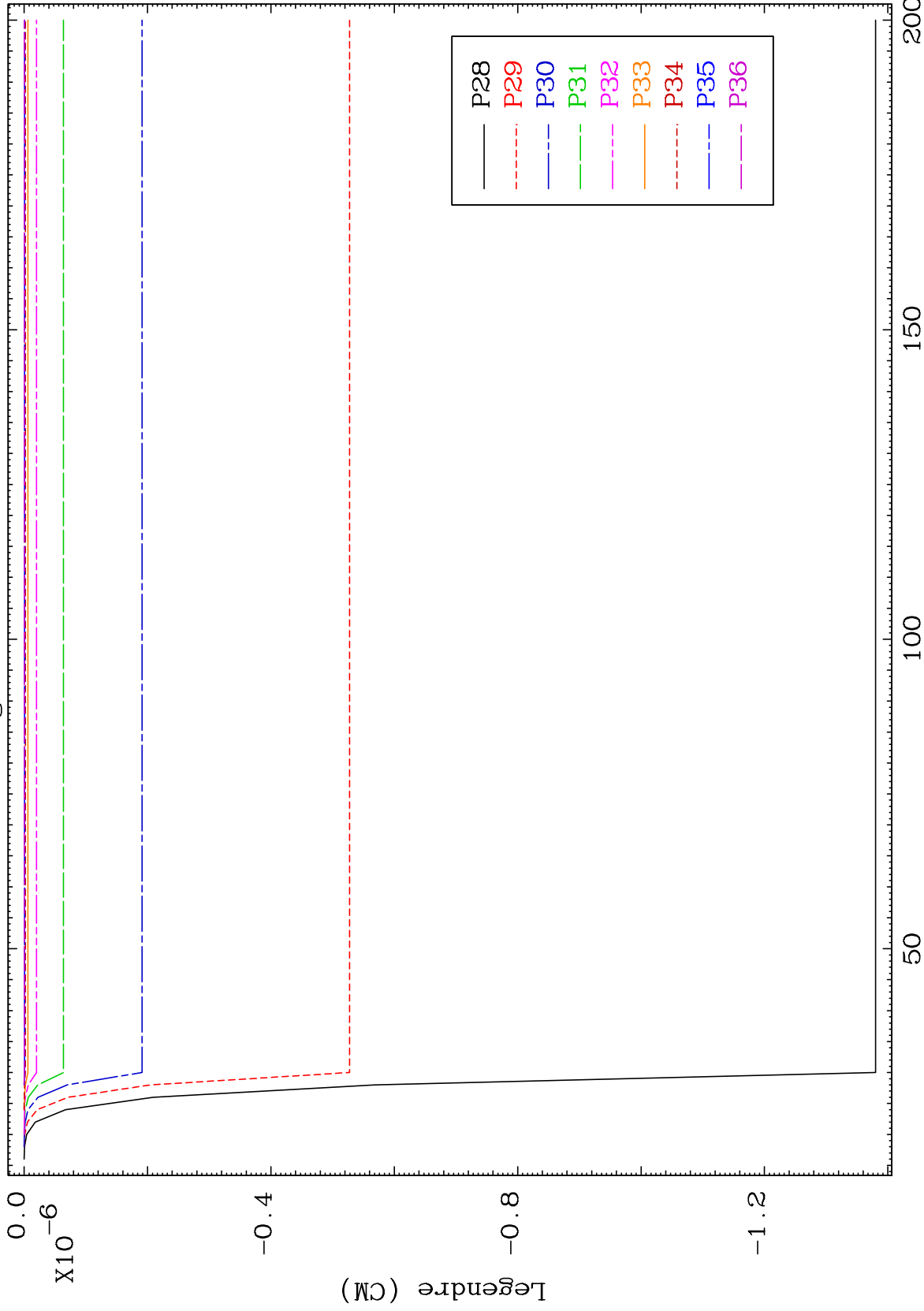
98

59-Pr-137

MAT 5913

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

59-Pr-137



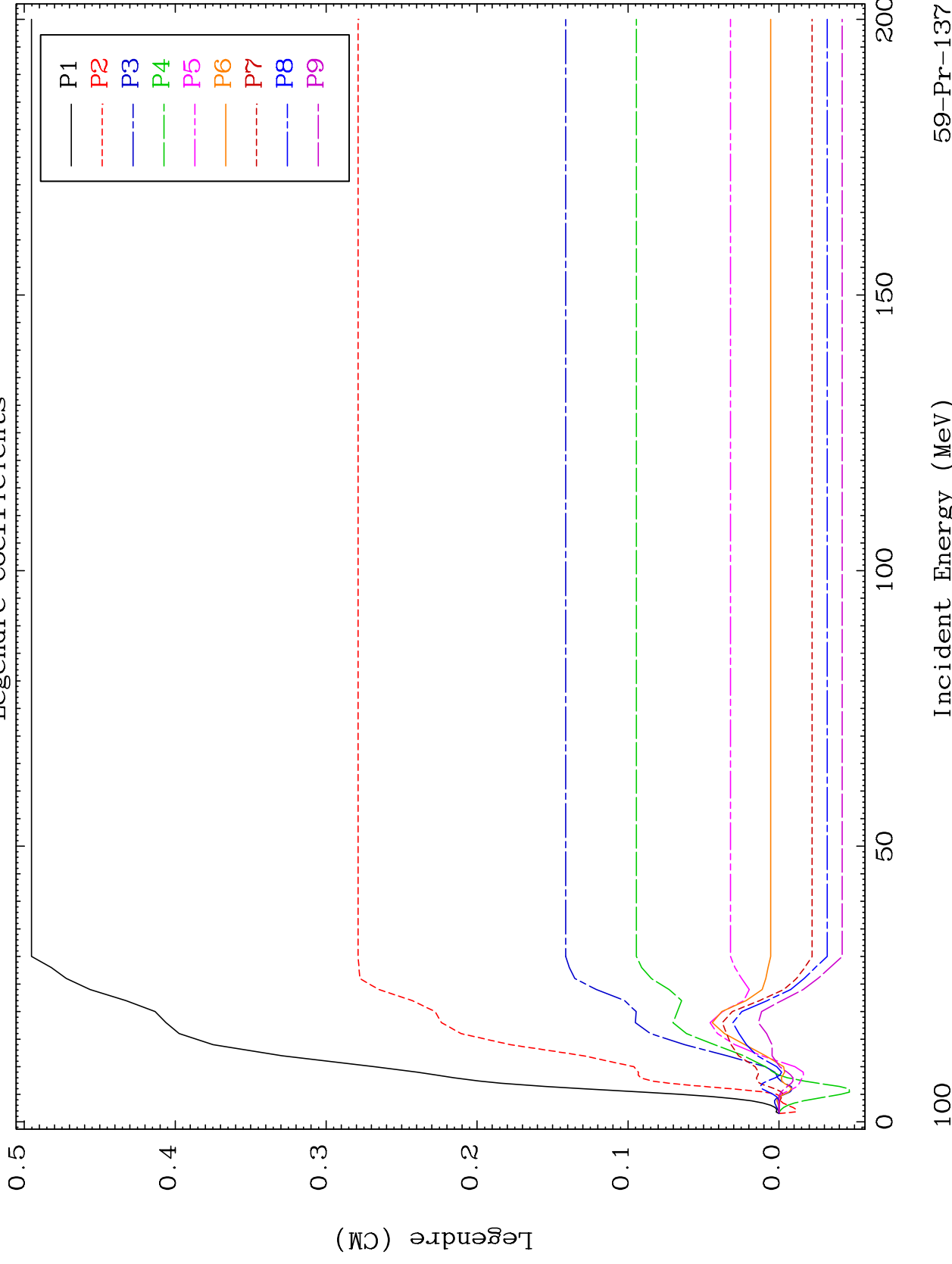
99

59-Pr-137

MAT 5913

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

59-Pr-137

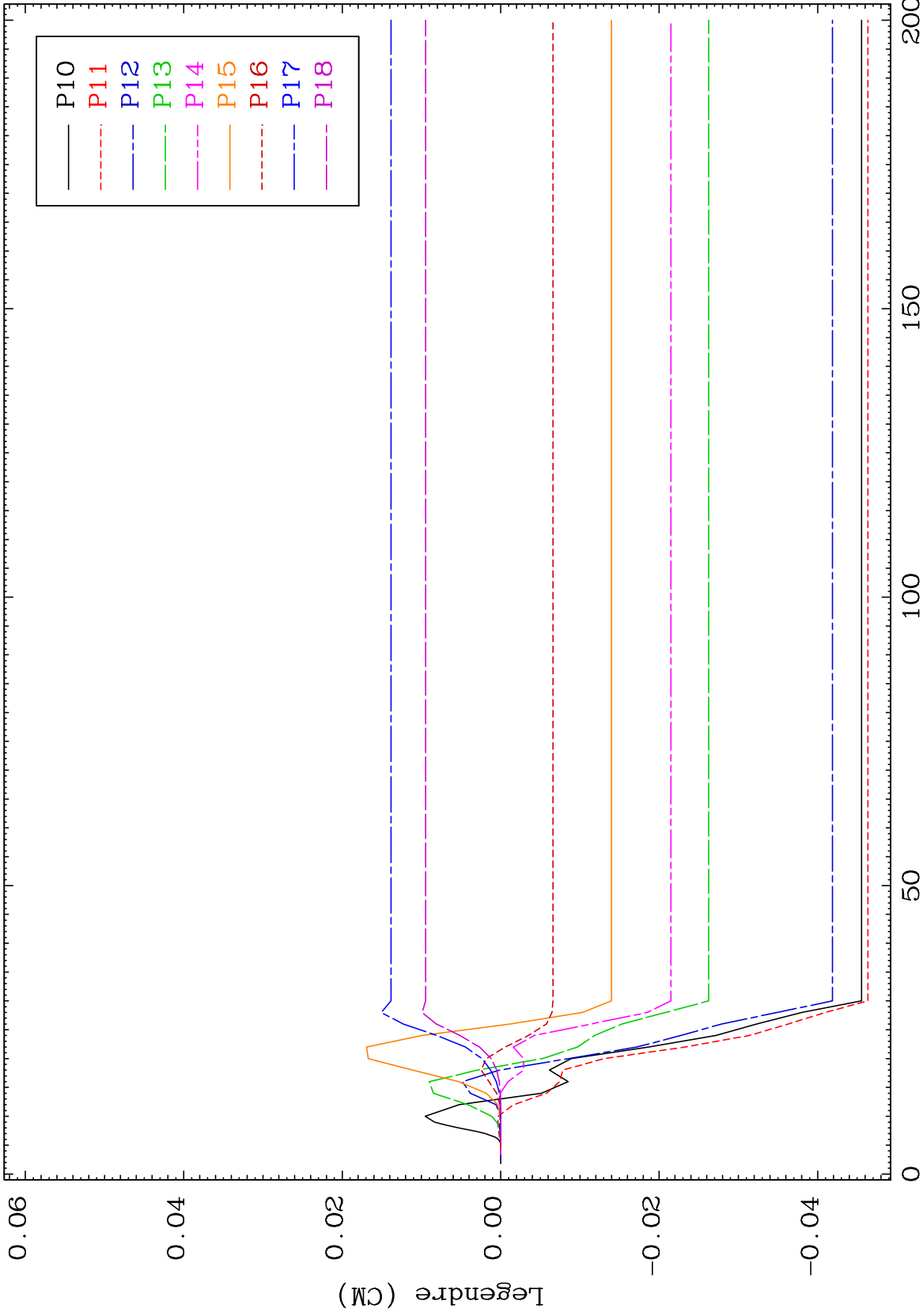


59-Pr-137

MAT 5913

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

59-Pr-137



101

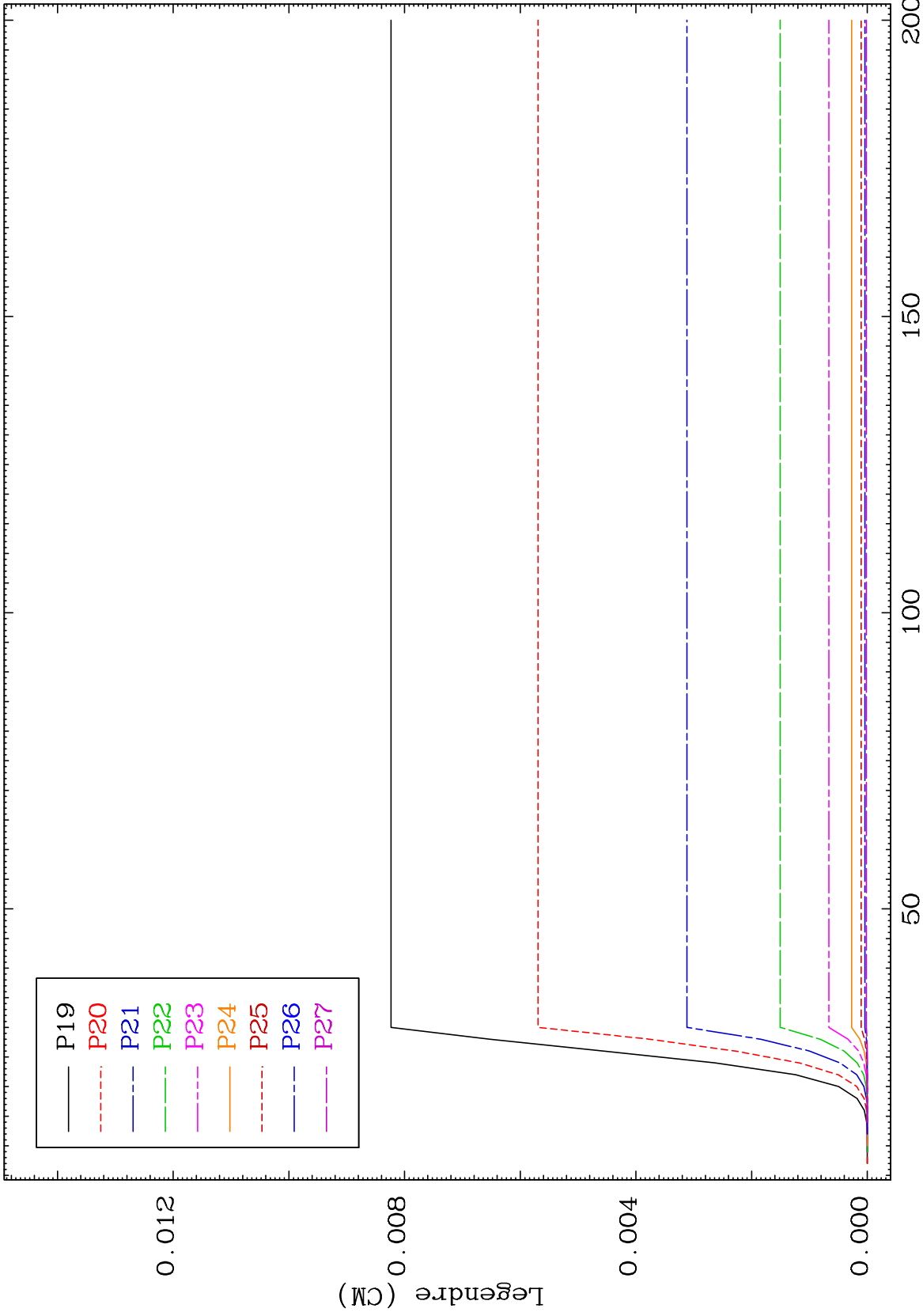
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



102

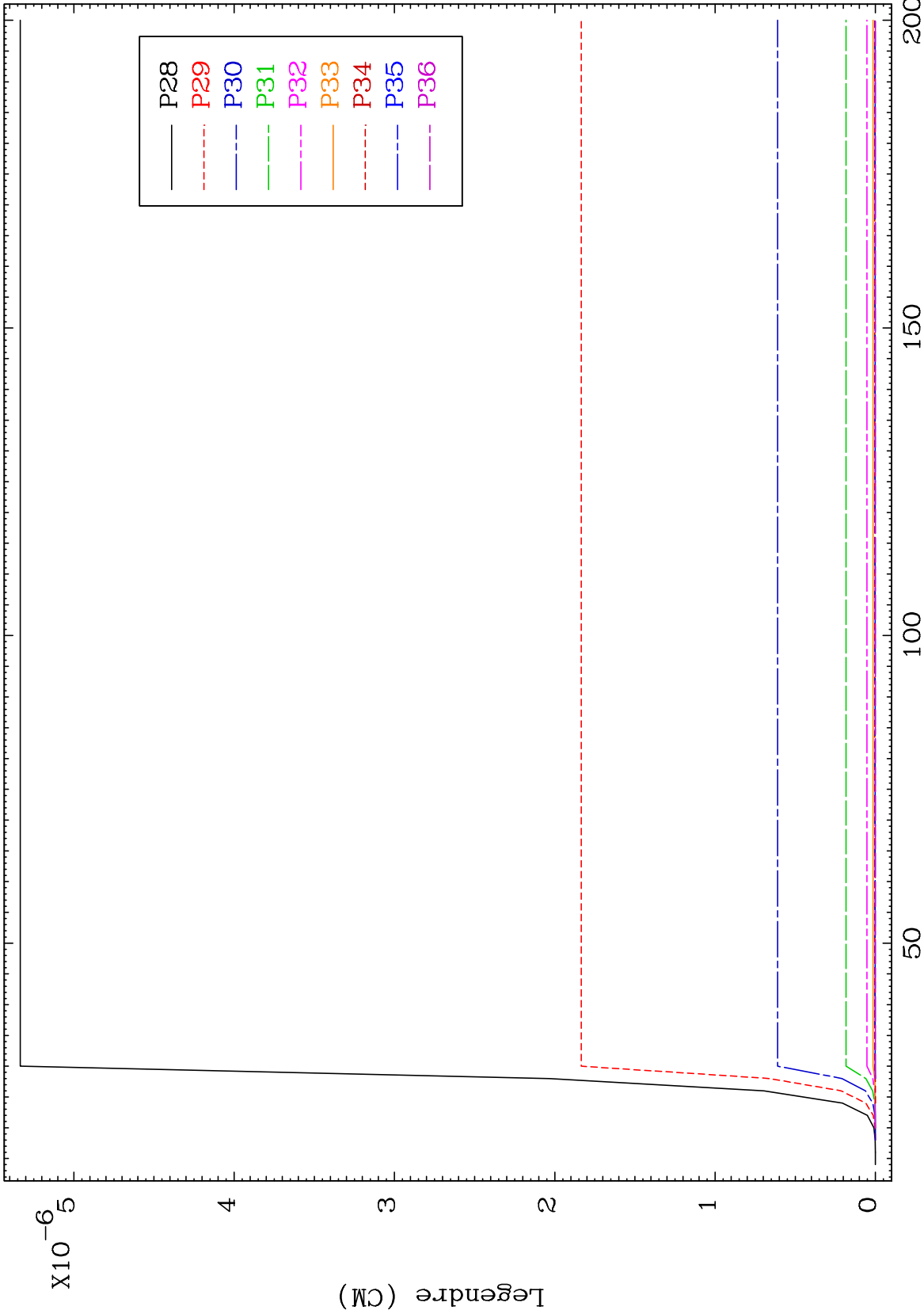
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



103

Incident Energy (MeV)

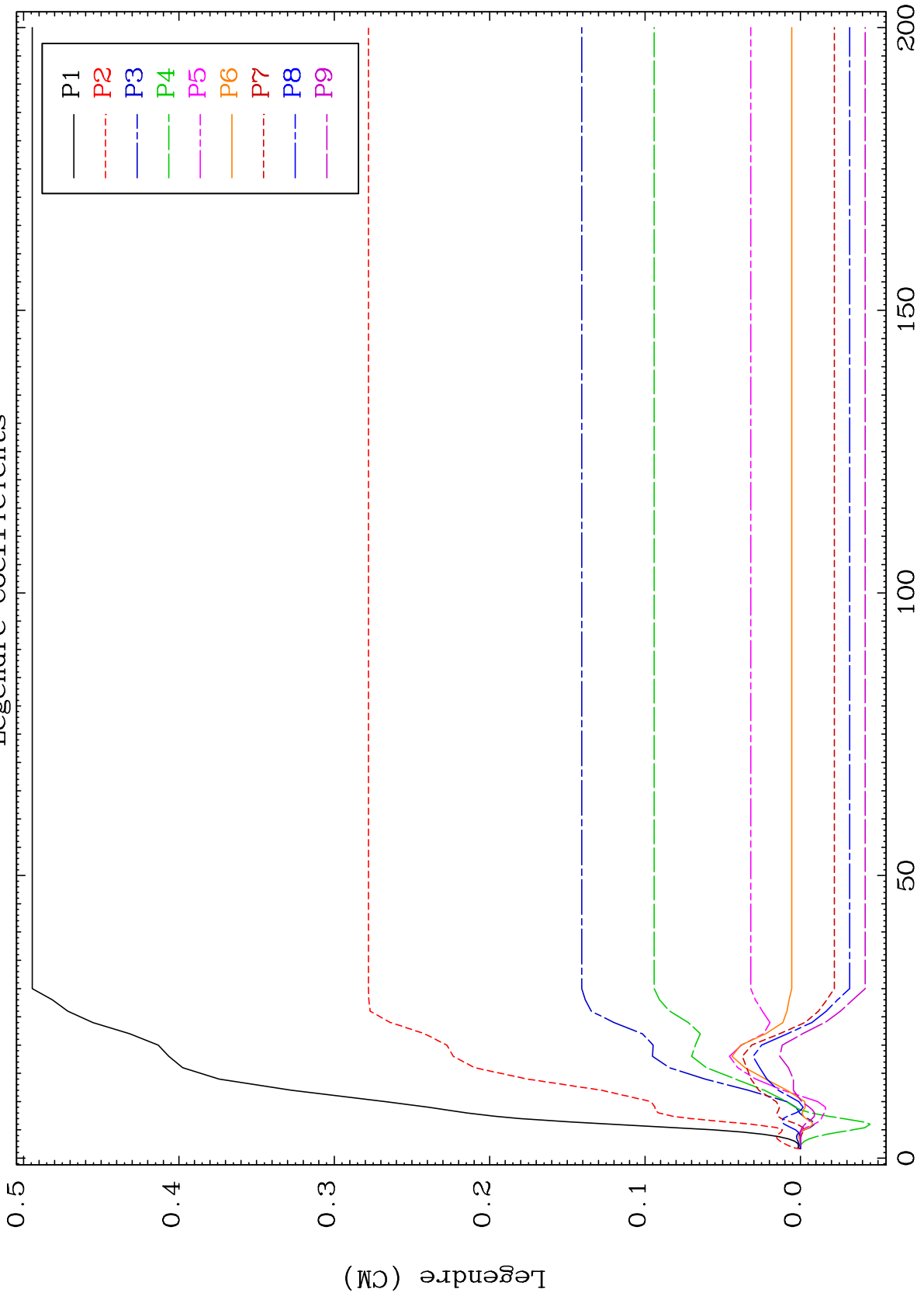
59-Pr-137



MAT 5913

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

59-Pr-137



104

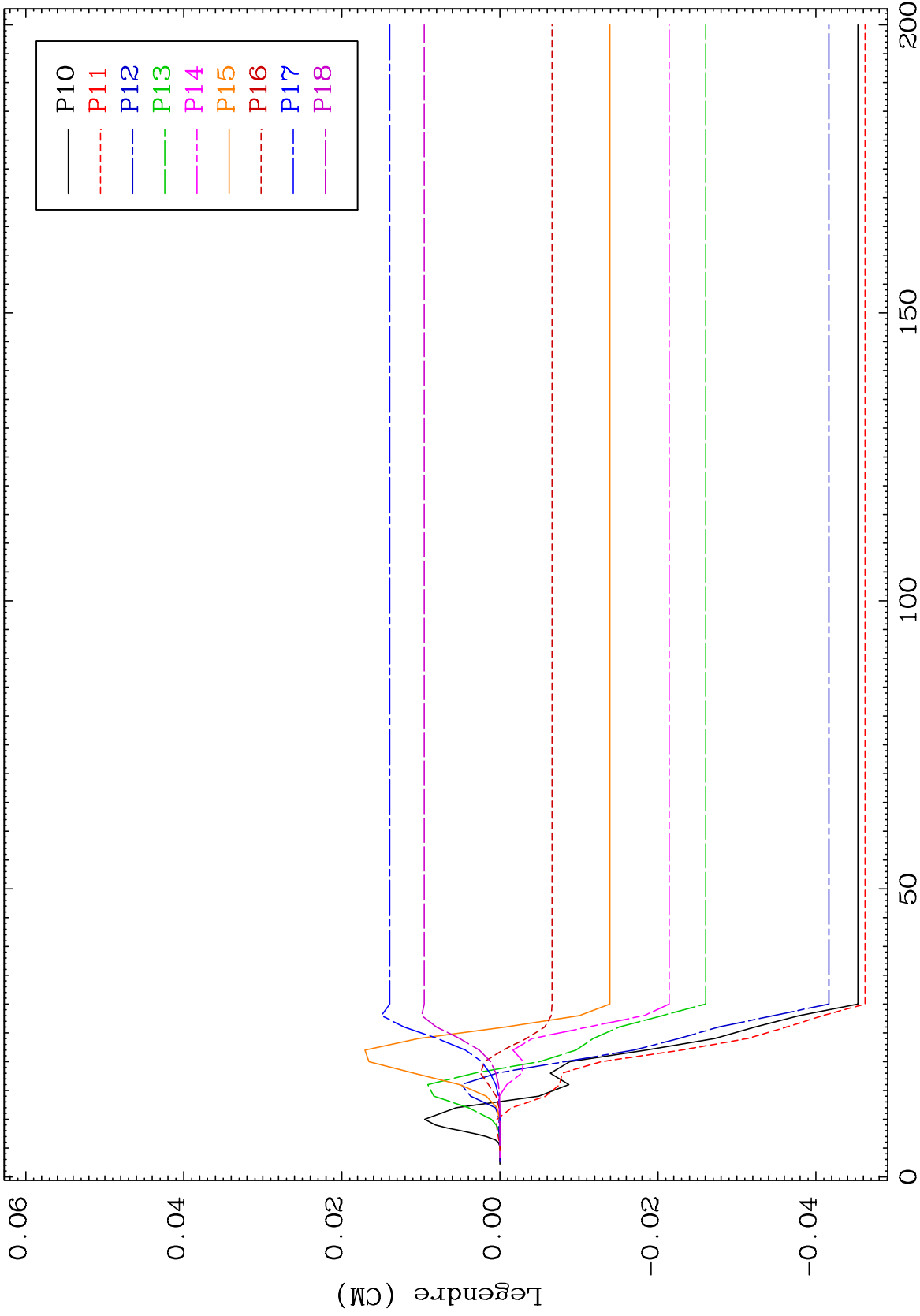
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



105

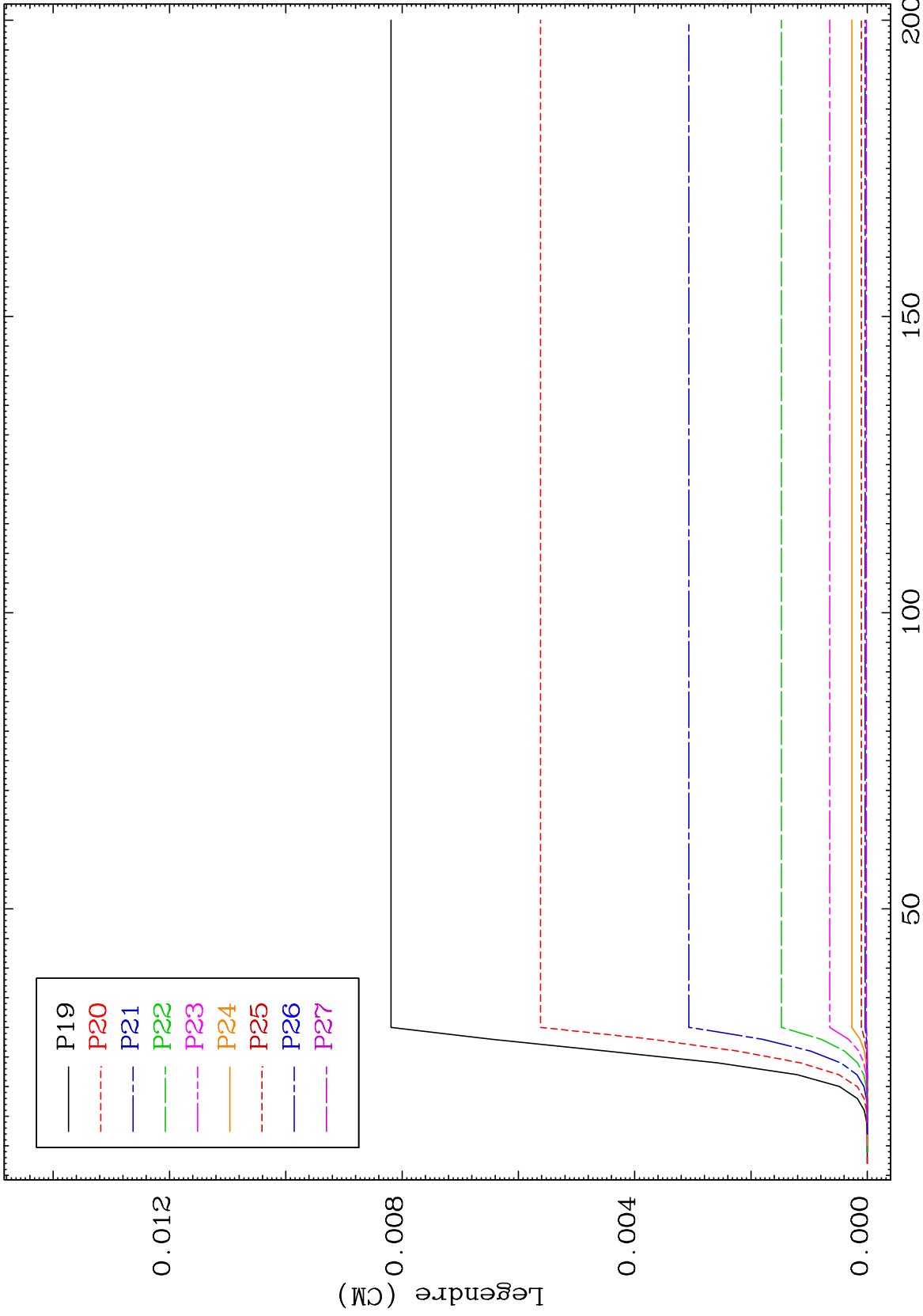
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

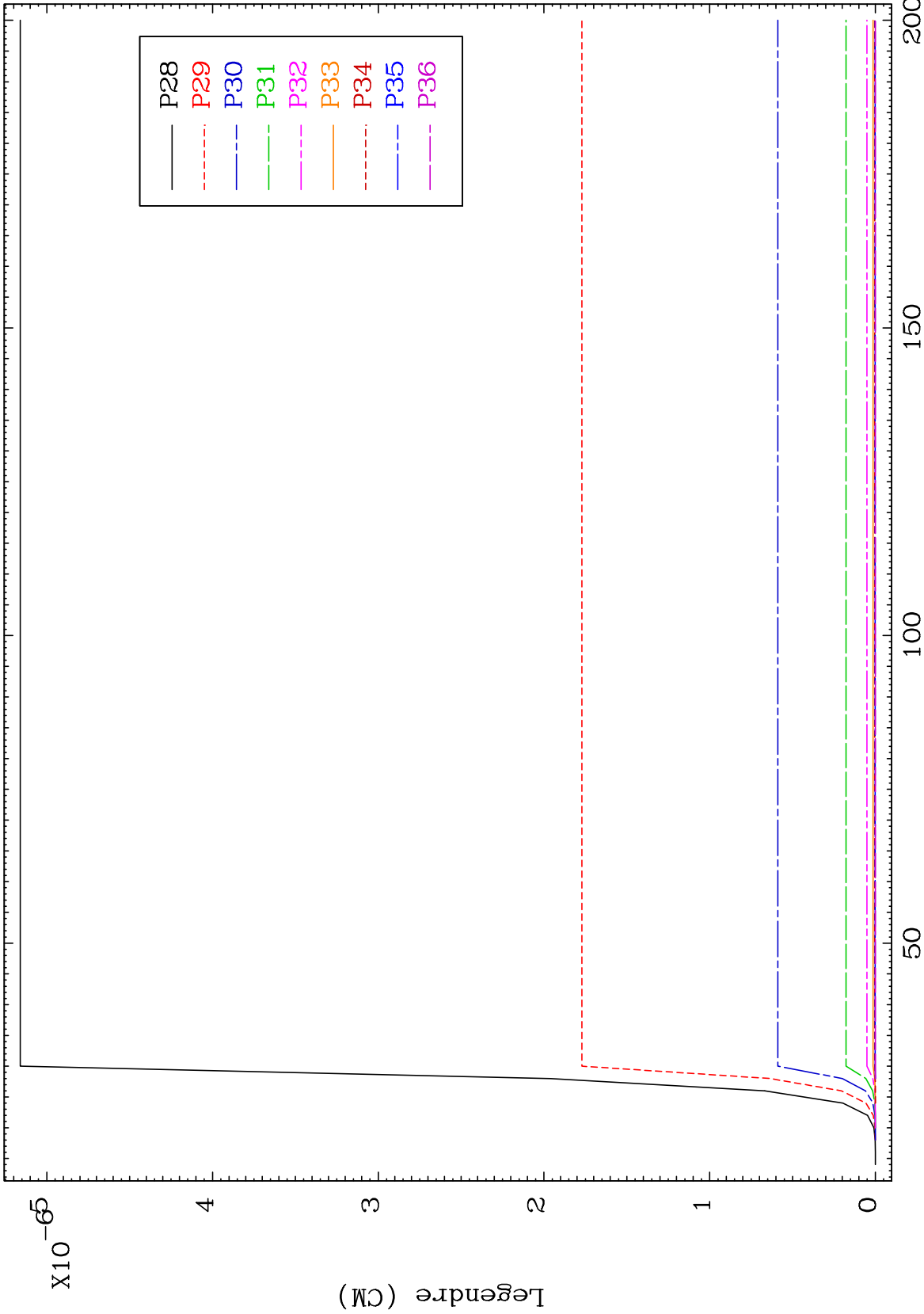
59-Pr-137



106

Incident Energy (MeV)

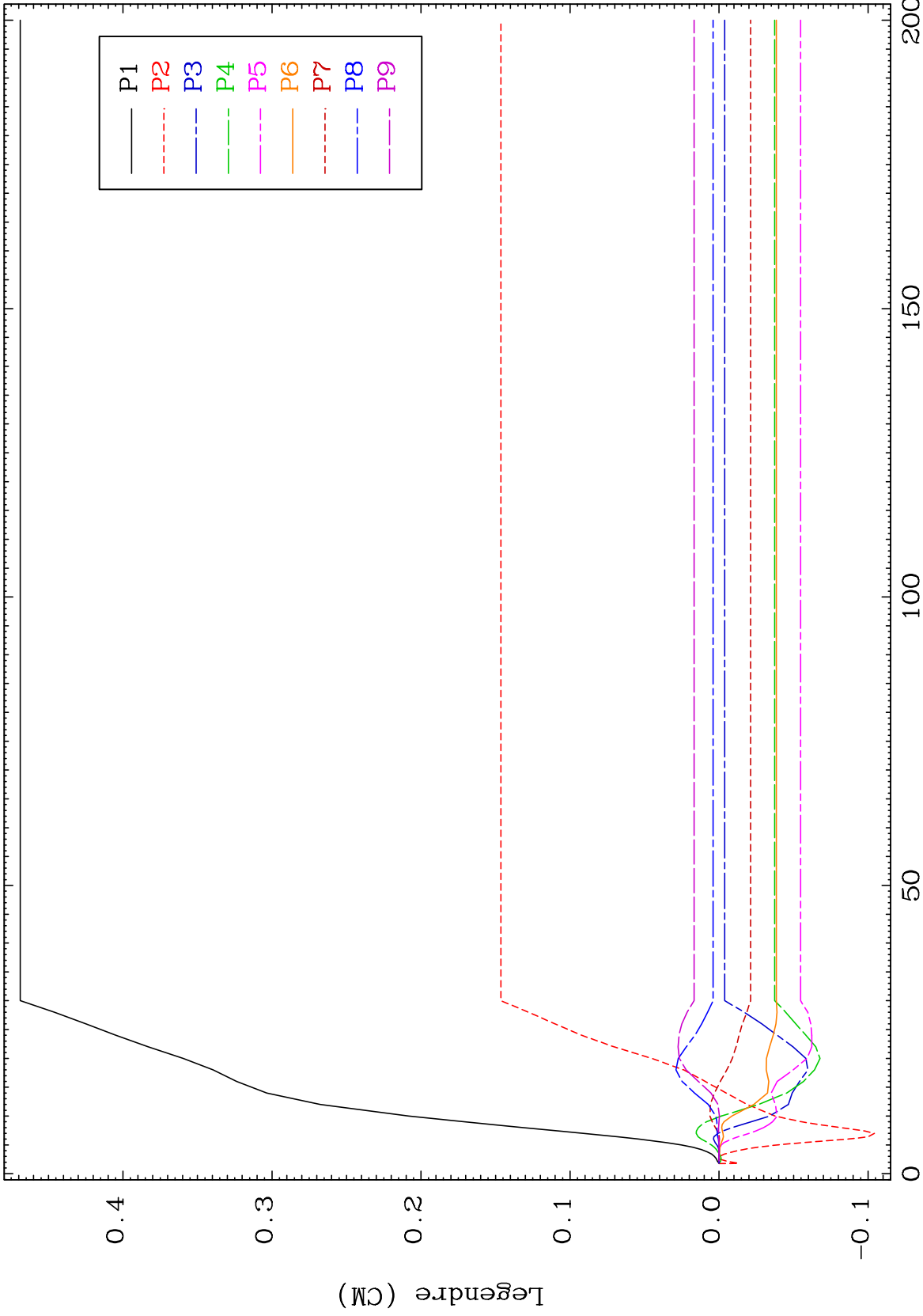
59-Pr-137



MAT 5913

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

59-Pr-137



108

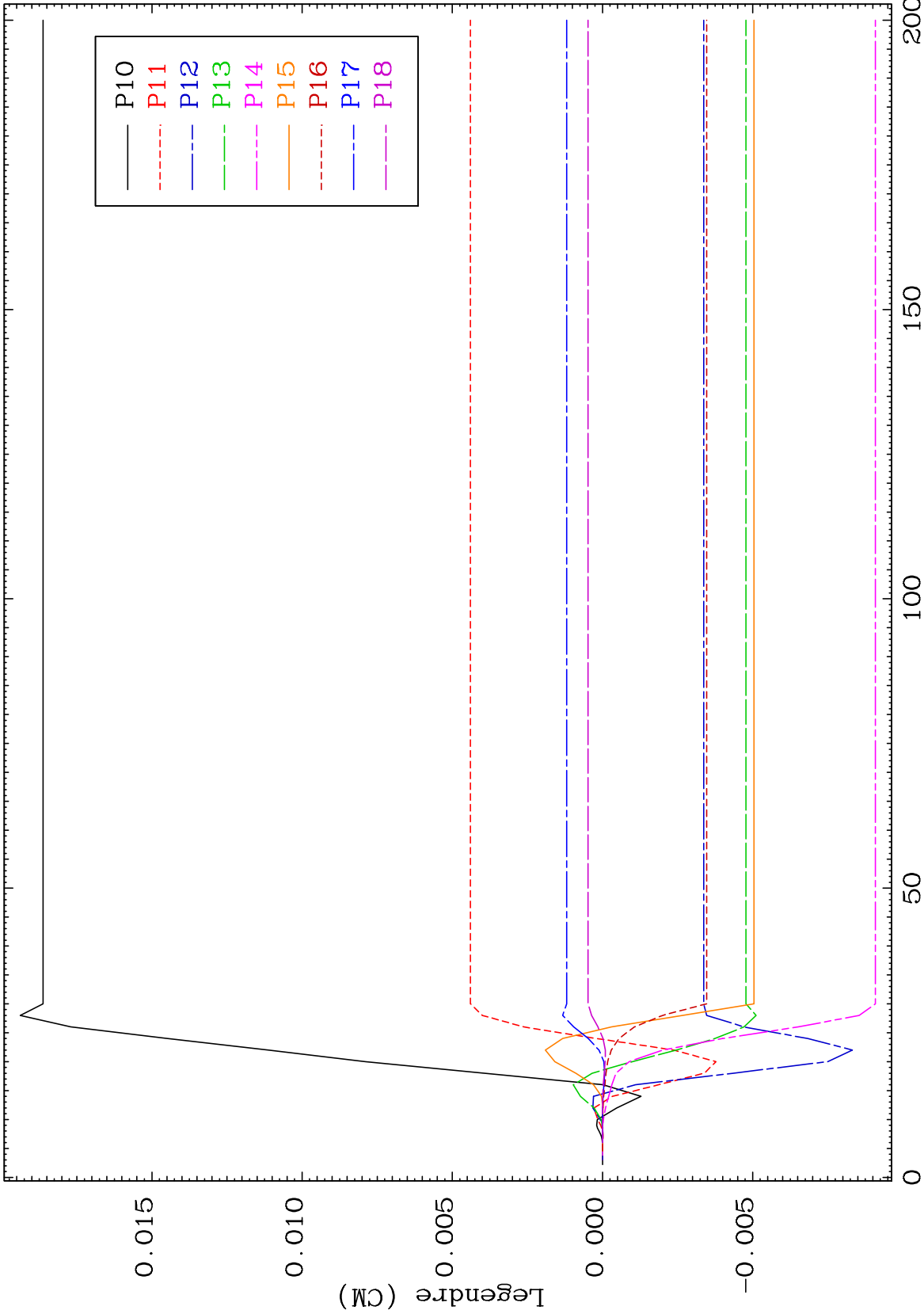
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



109

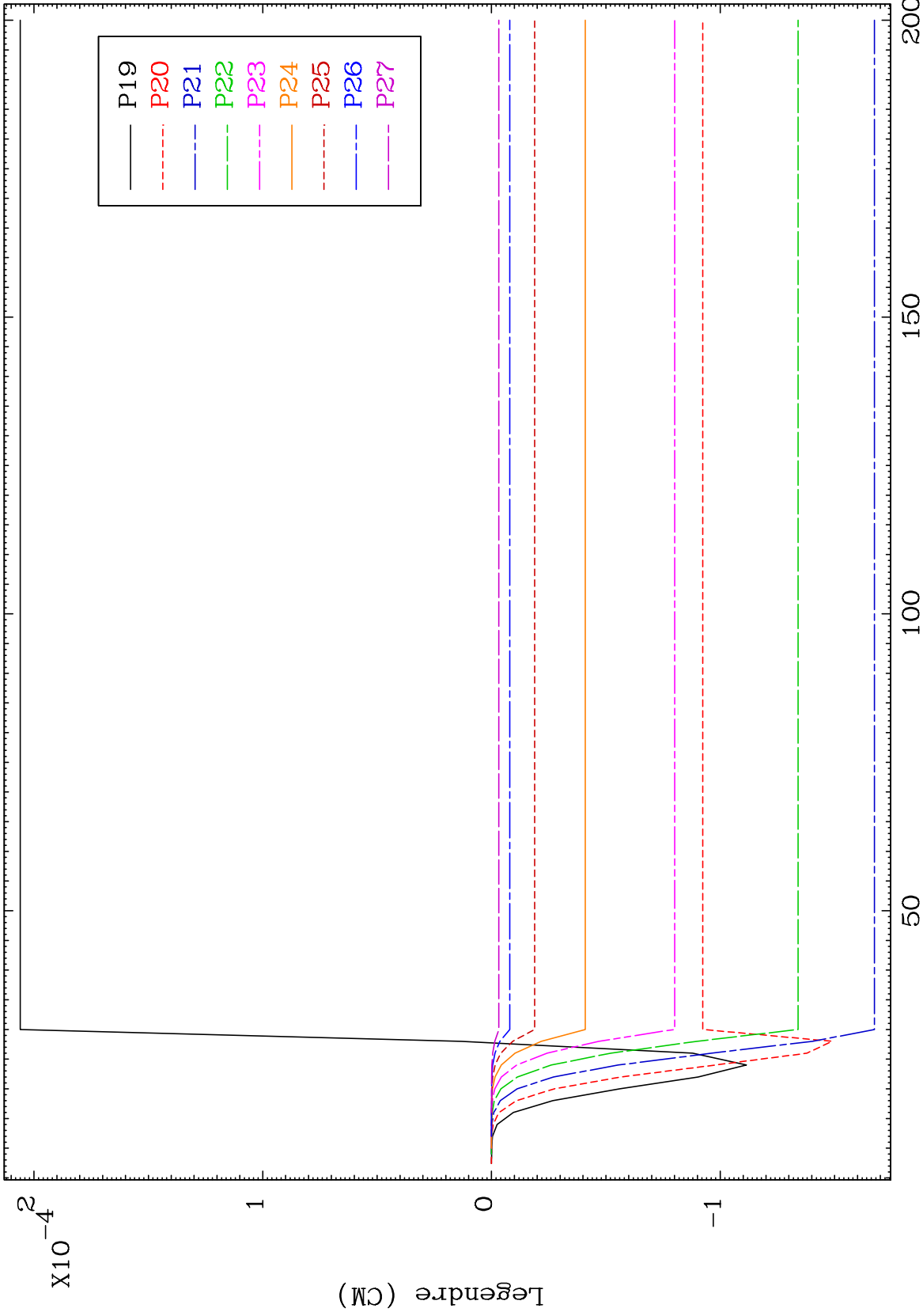
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



110

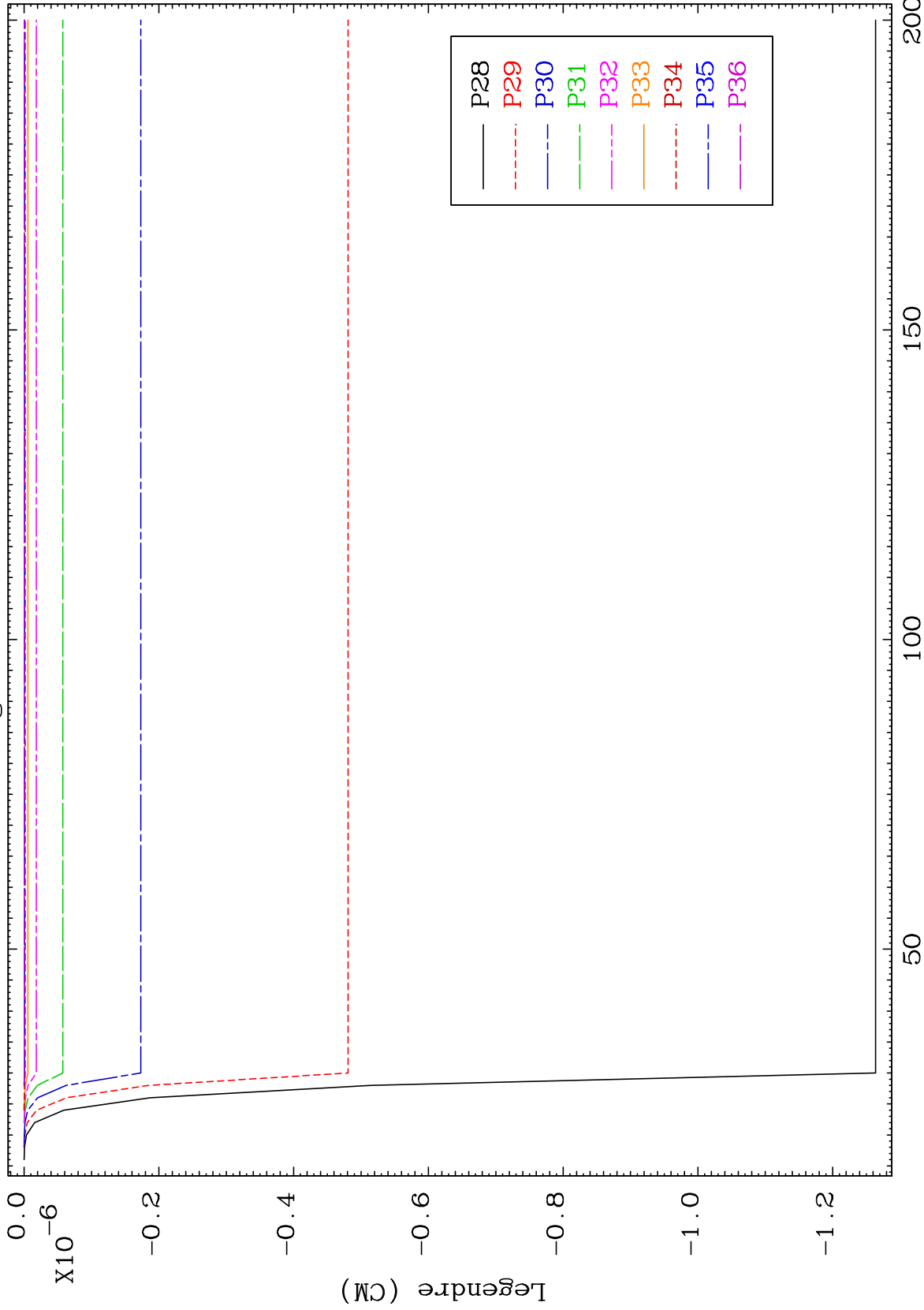
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



111

Incident Energy (MeV)

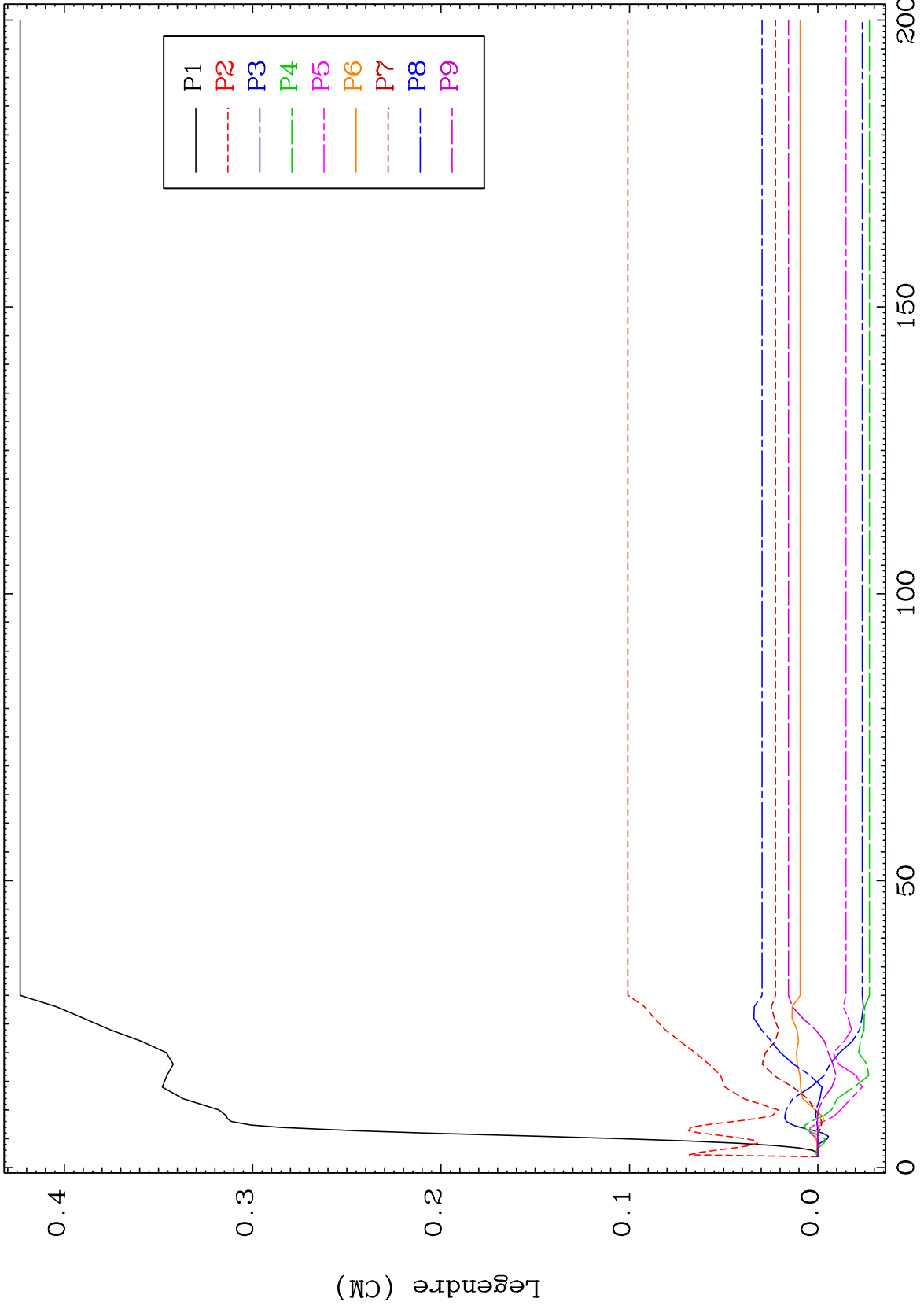
59-Pr-137



MAT 5913

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

59-Pr-137



59-Pr-137

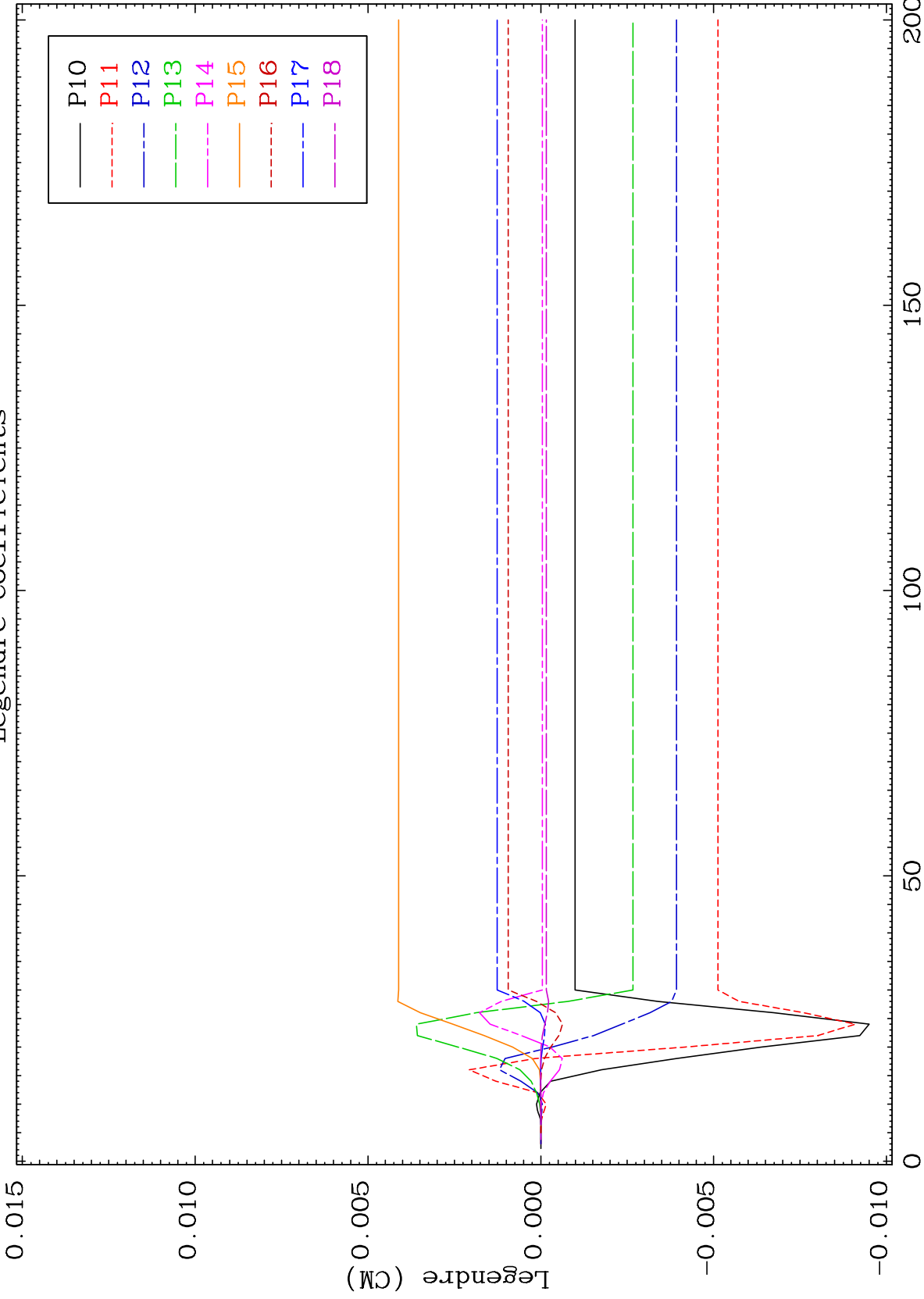
Incident Energy (MeV)

112

MAT 5913

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

59-Pr-137



113

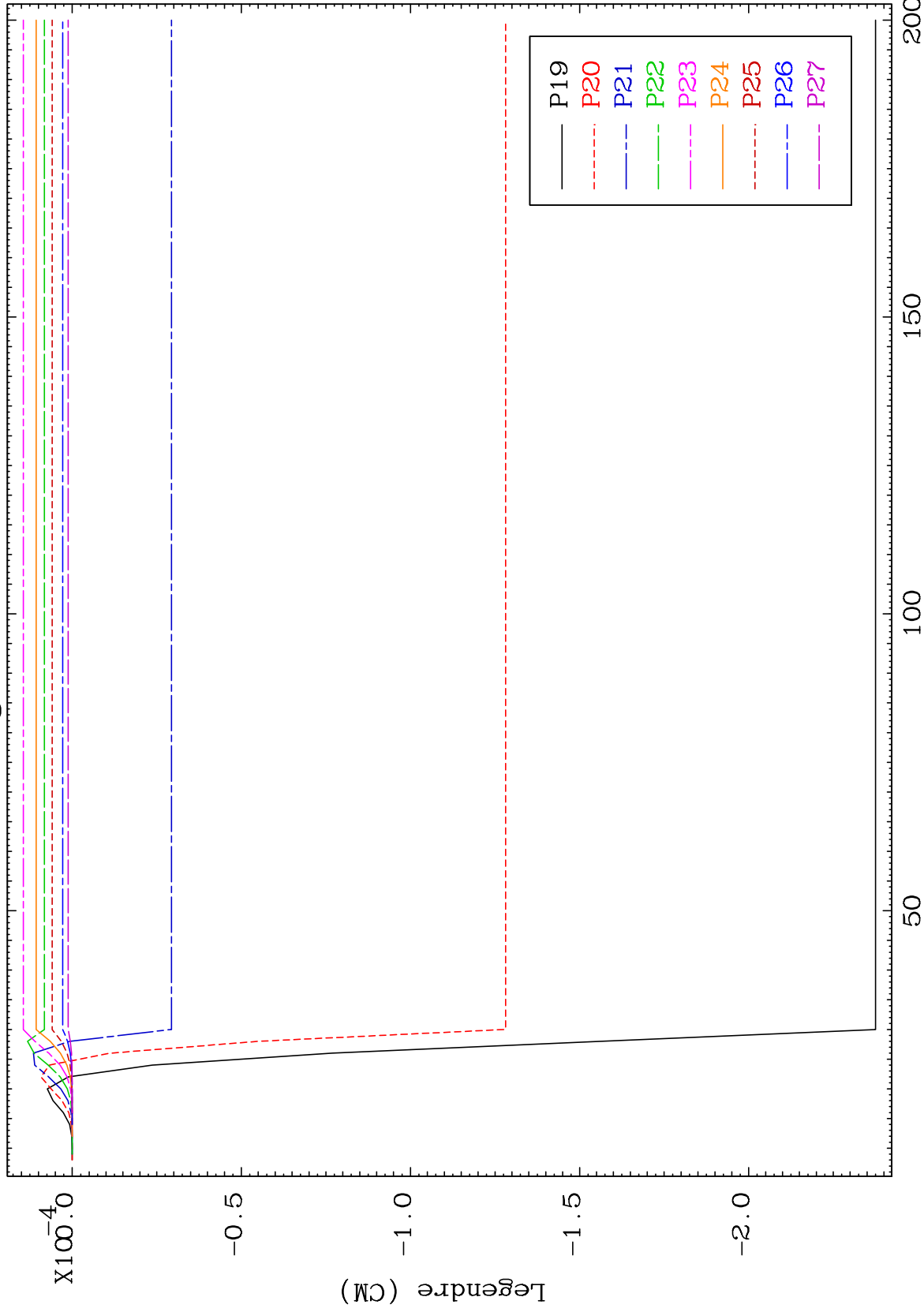
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



114

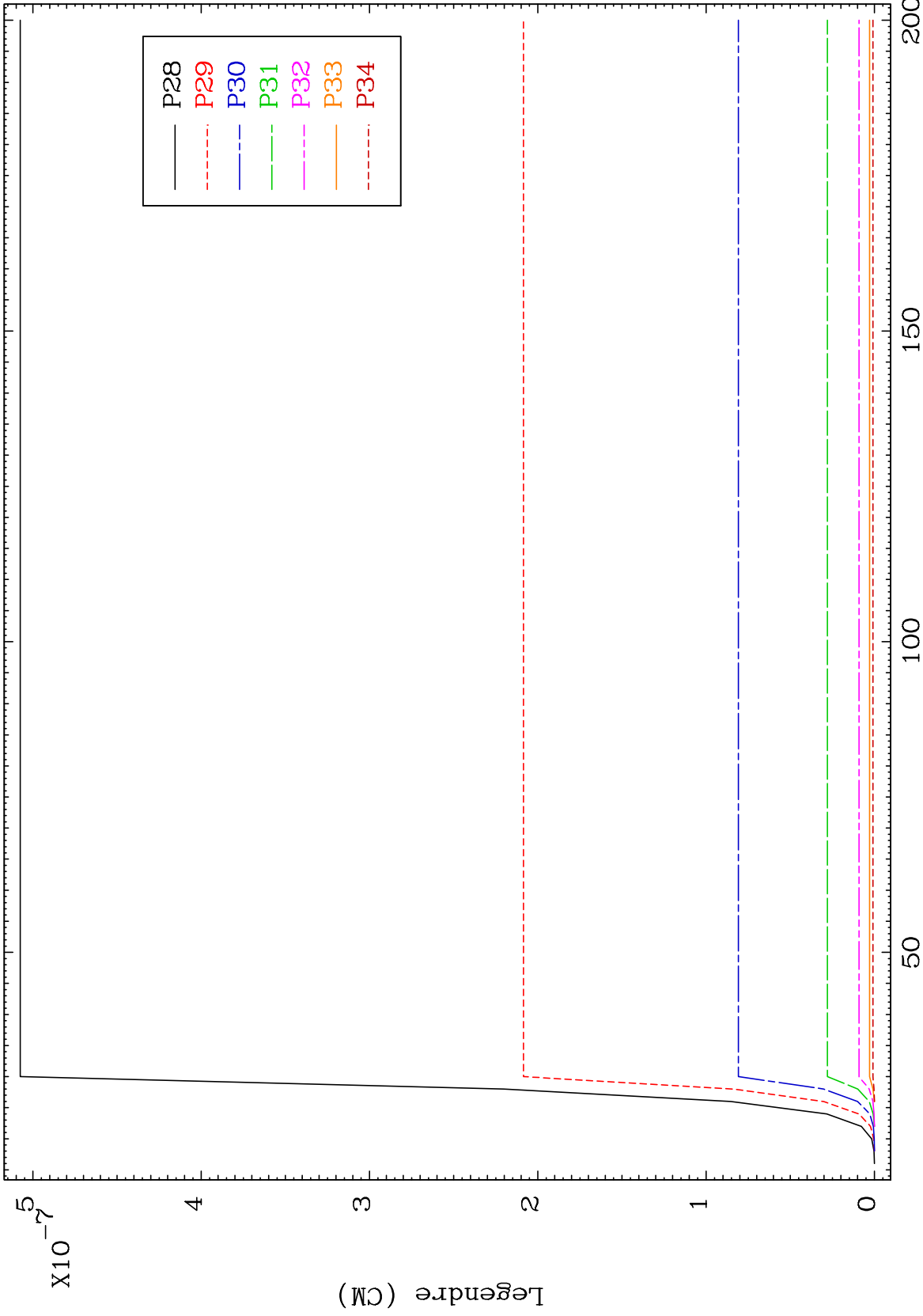
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

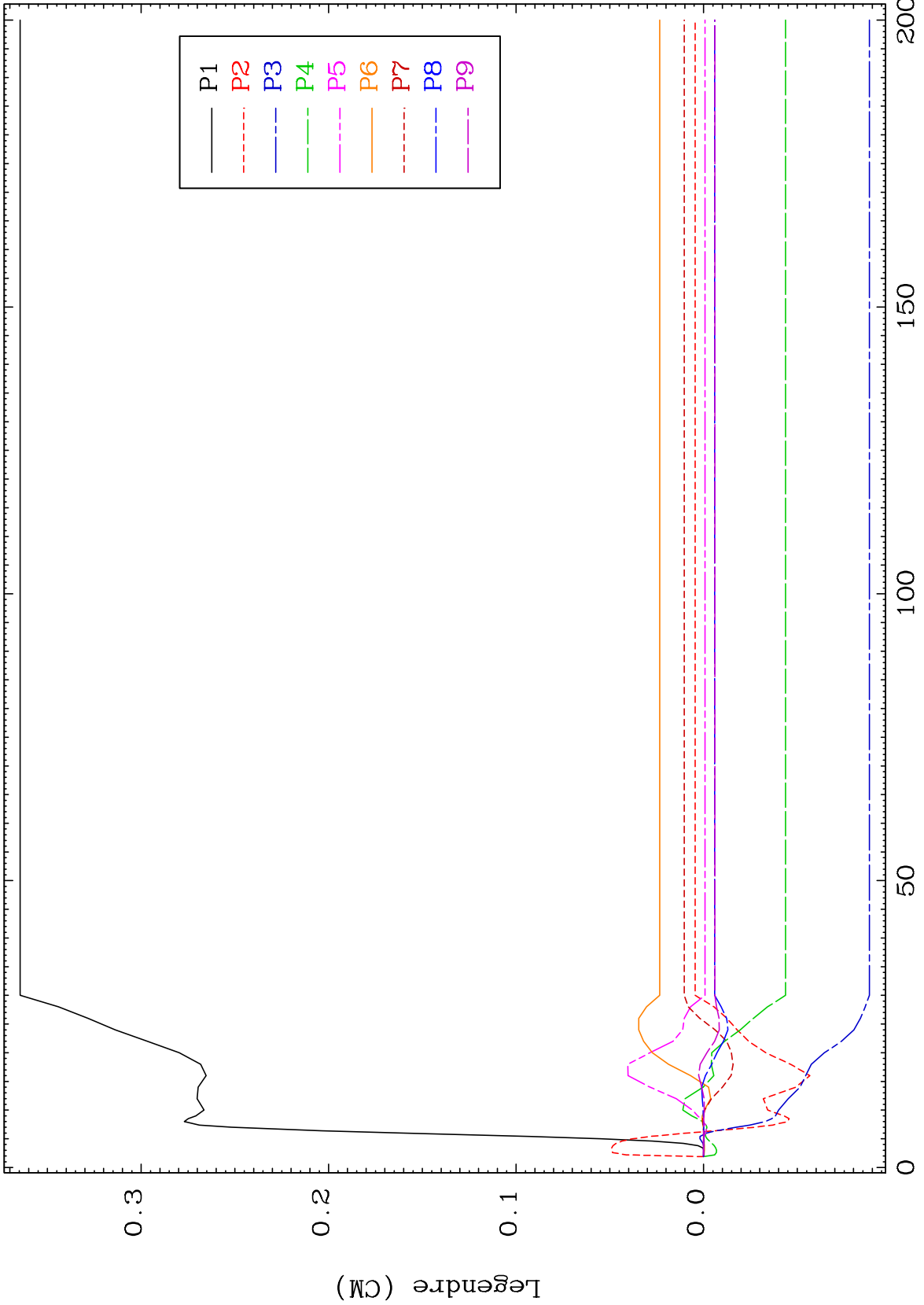
59-Pr-137



115

Incident Energy (MeV)

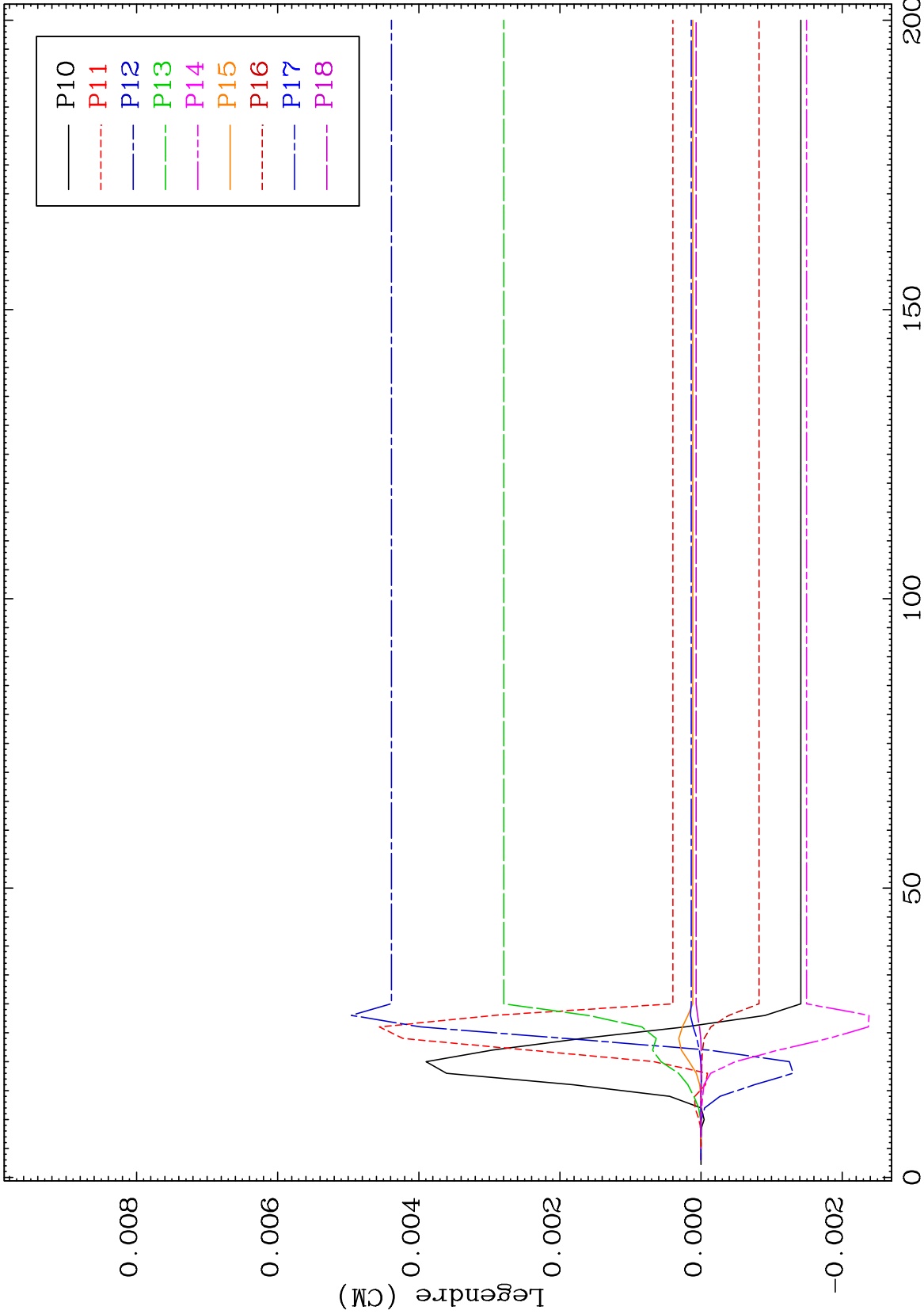
59-Pr-137



MAT 5913

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

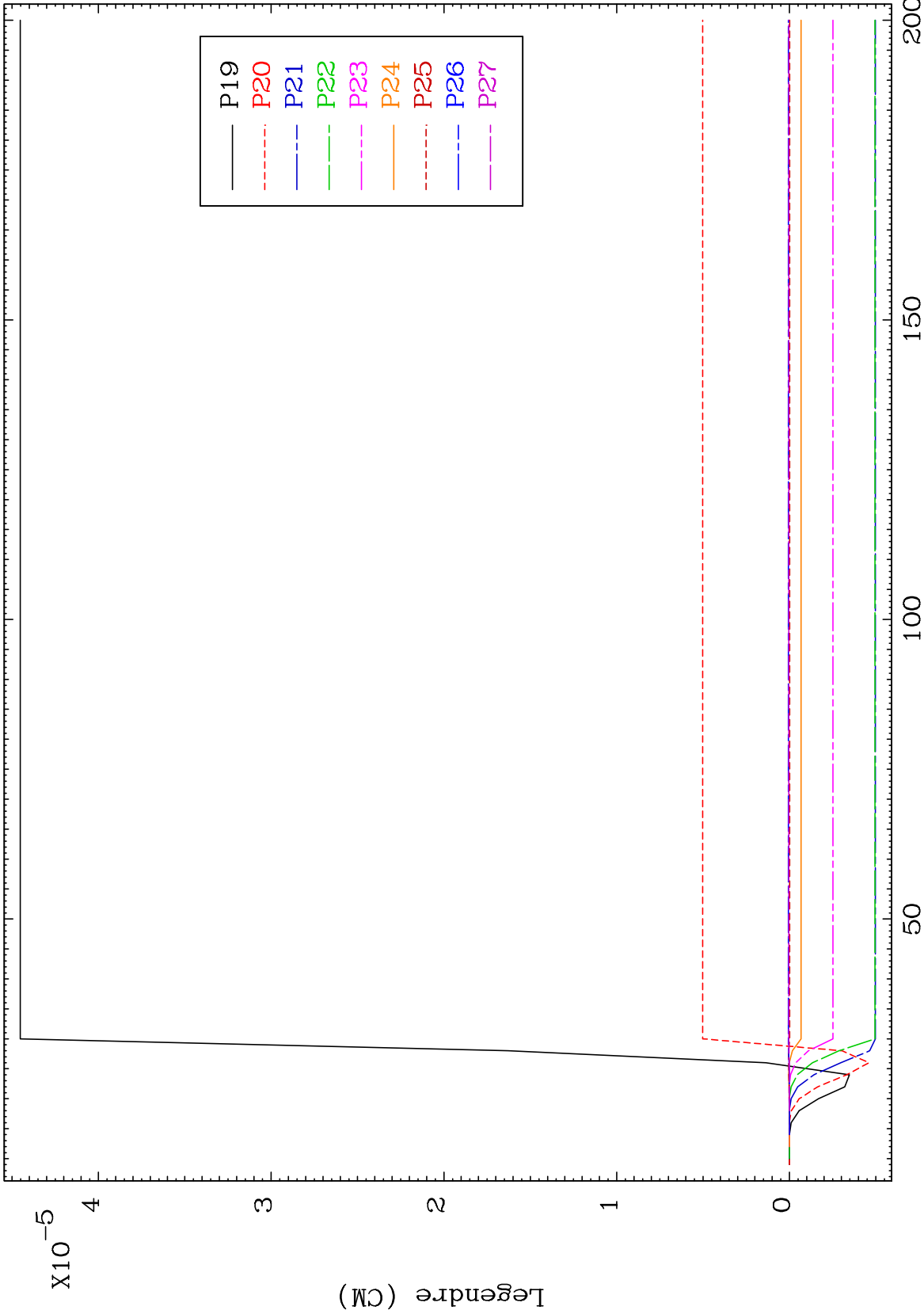
59-Pr-137



117

Incident Energy (MeV)

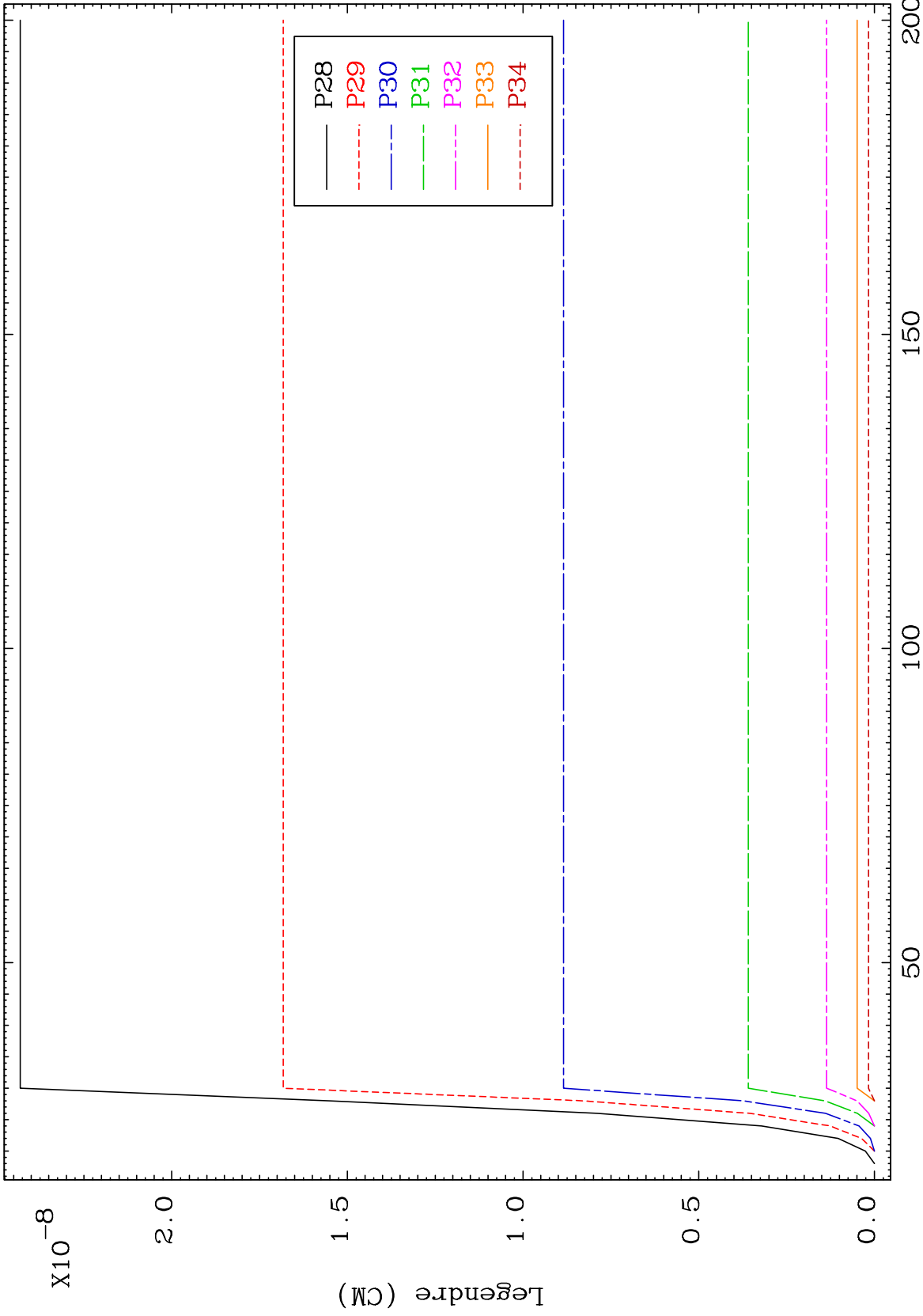
59-Pr-137



MAT 5913

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

59-Pr-137



119

Incident Energy (MeV)

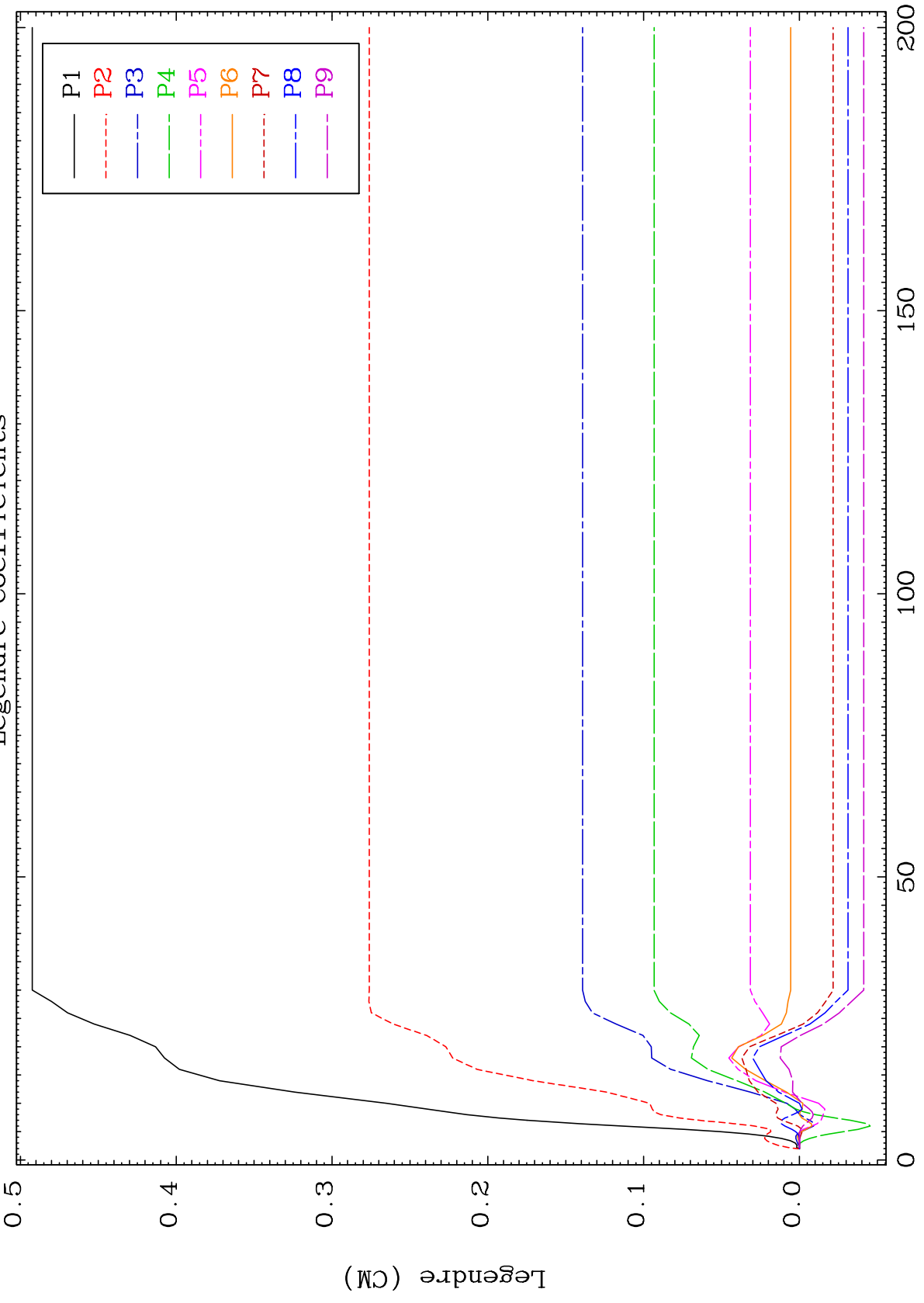
59-Pr-137



MAT 5913

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

59-Pr-137



120

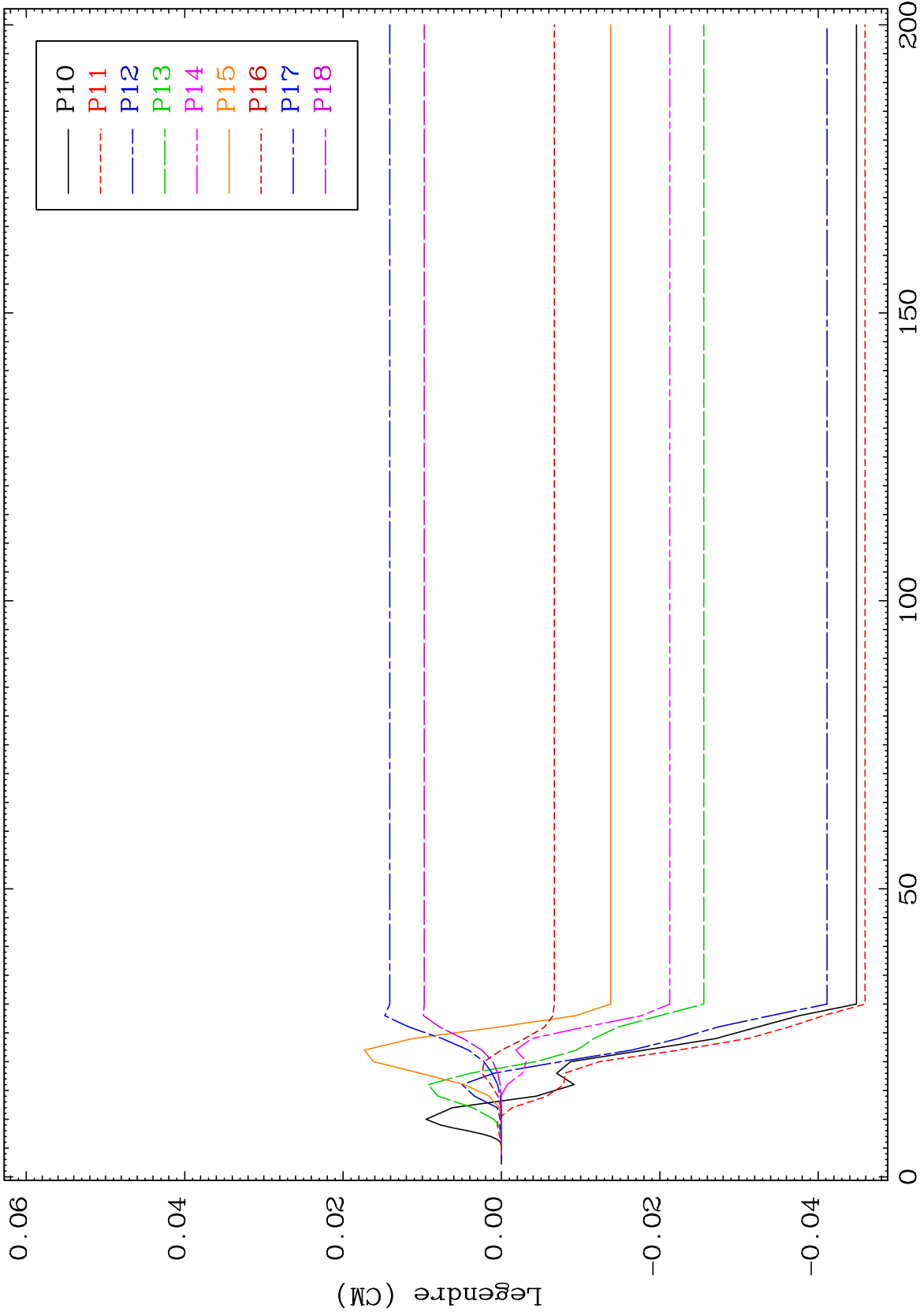
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



121

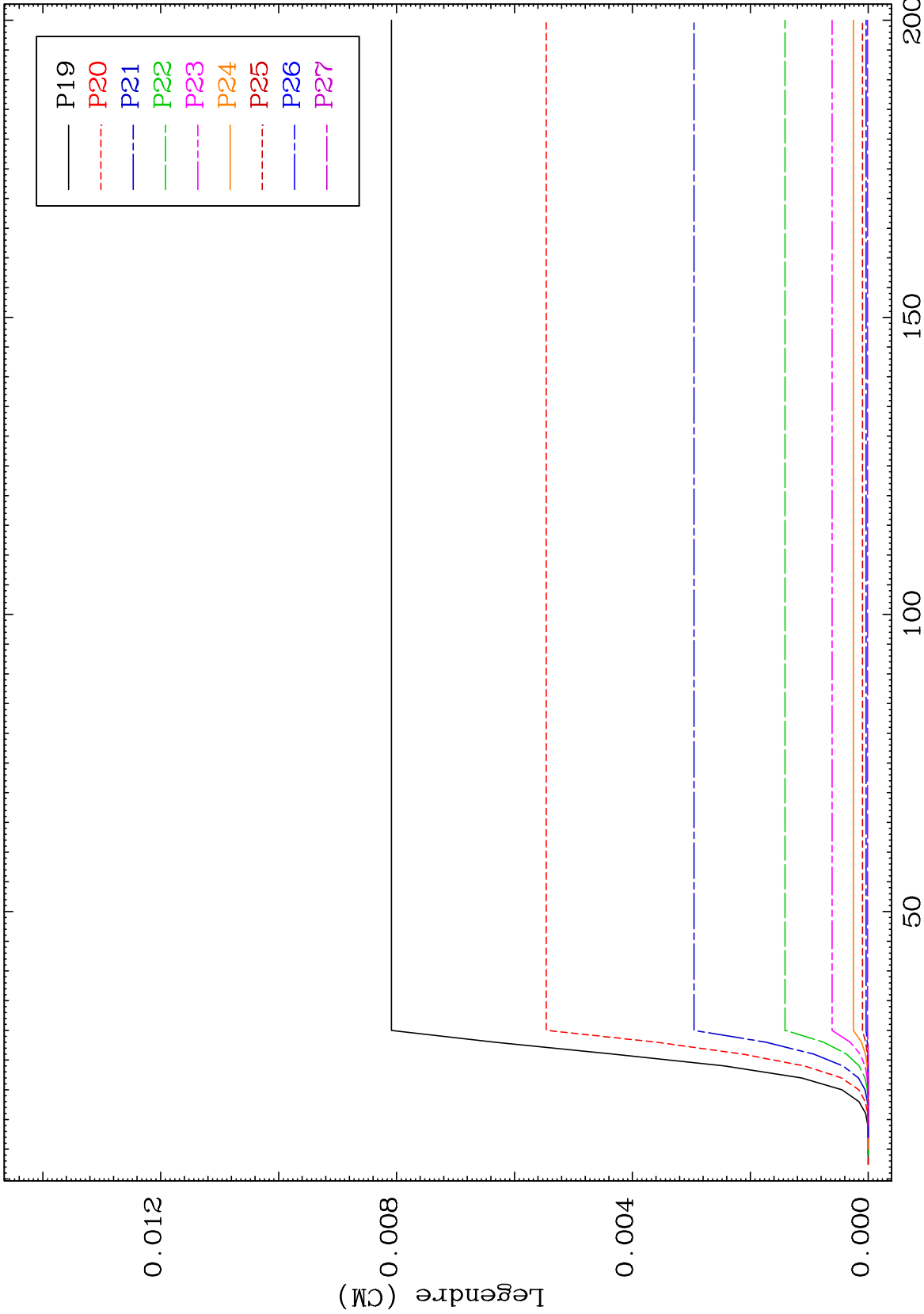
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



122

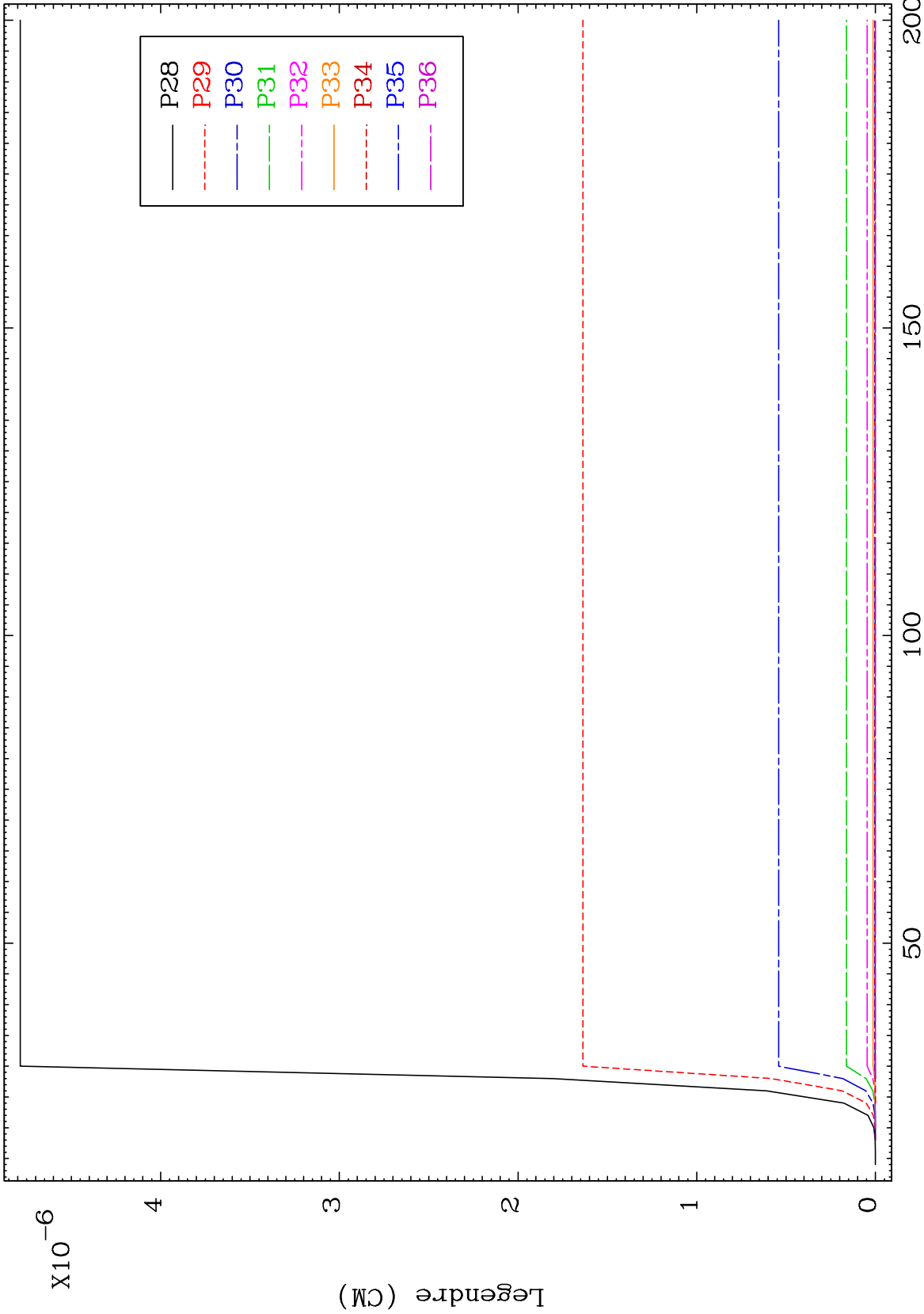
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



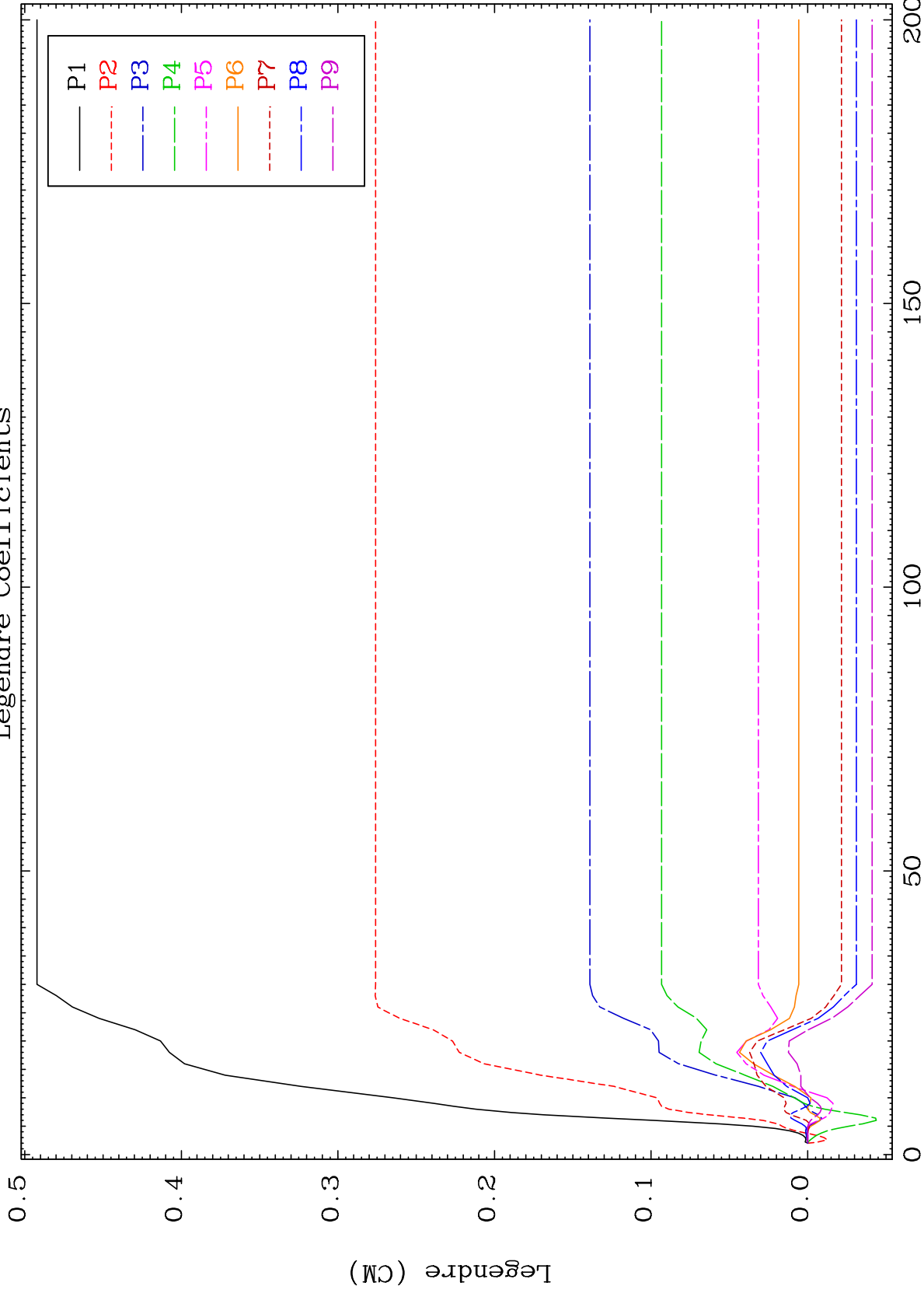
123

59-Pr-137

MAT 5913

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

59-Pr-137



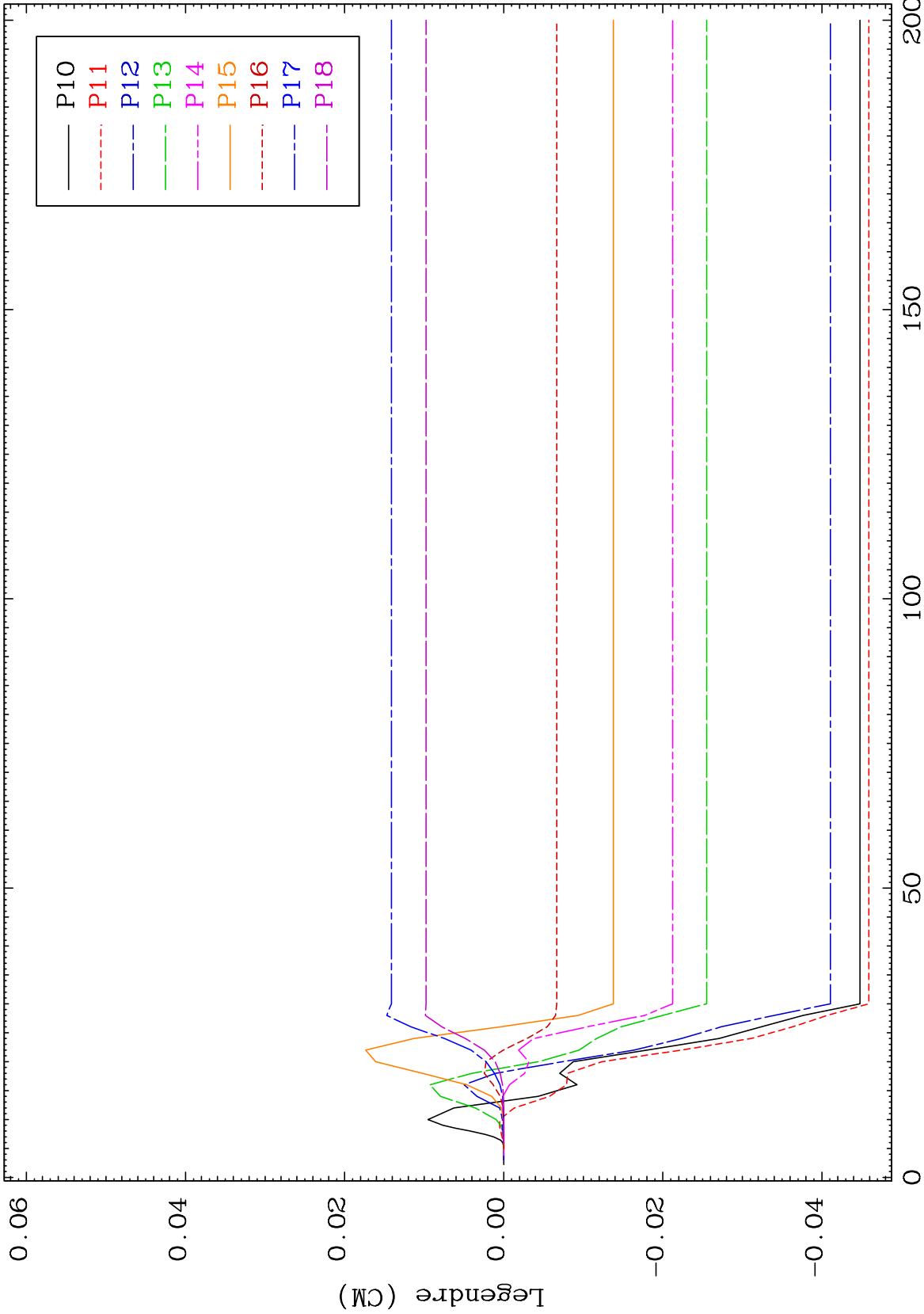
124

59-Pr-137

MAT 5913

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

59-Pr-137



125

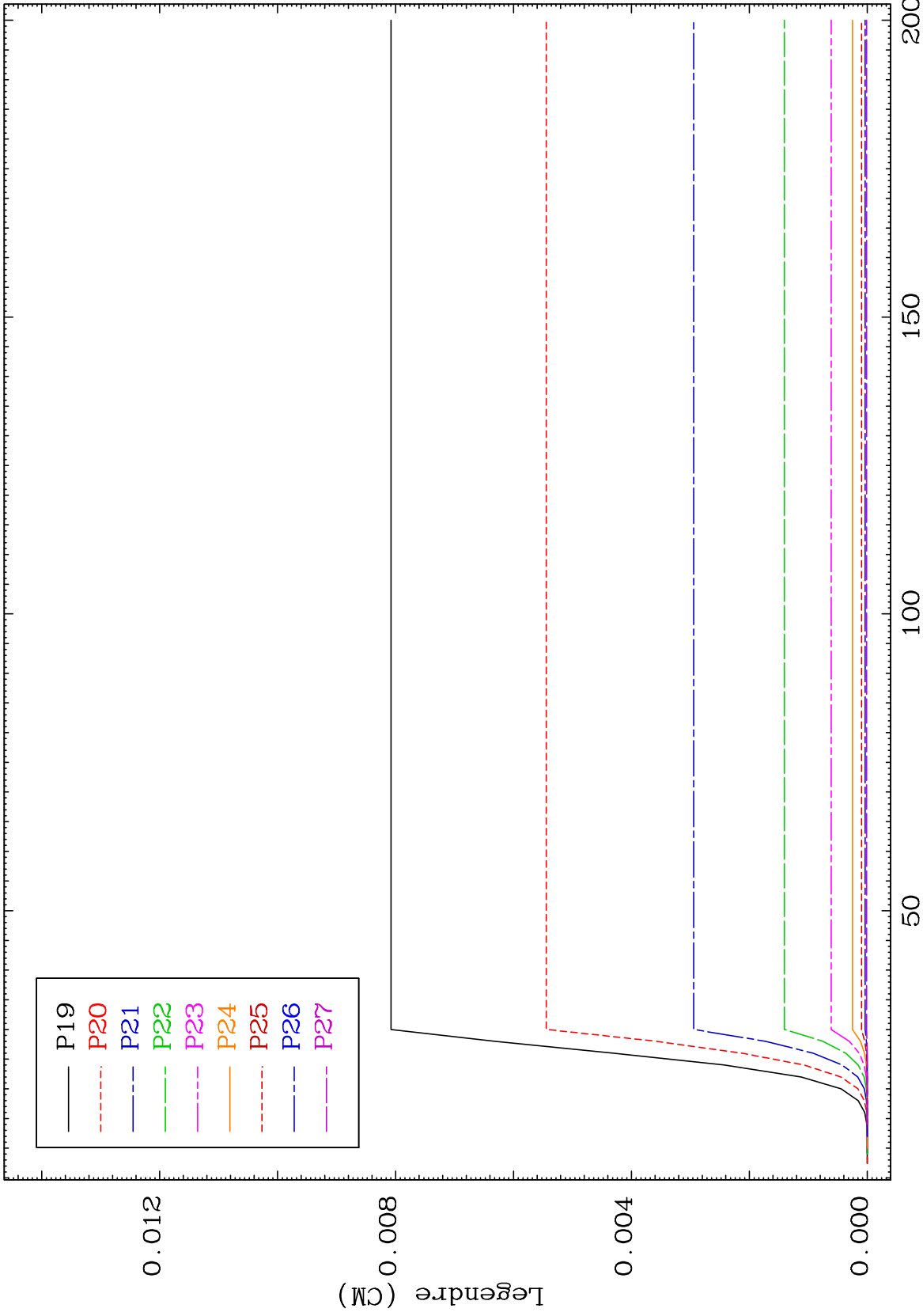
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

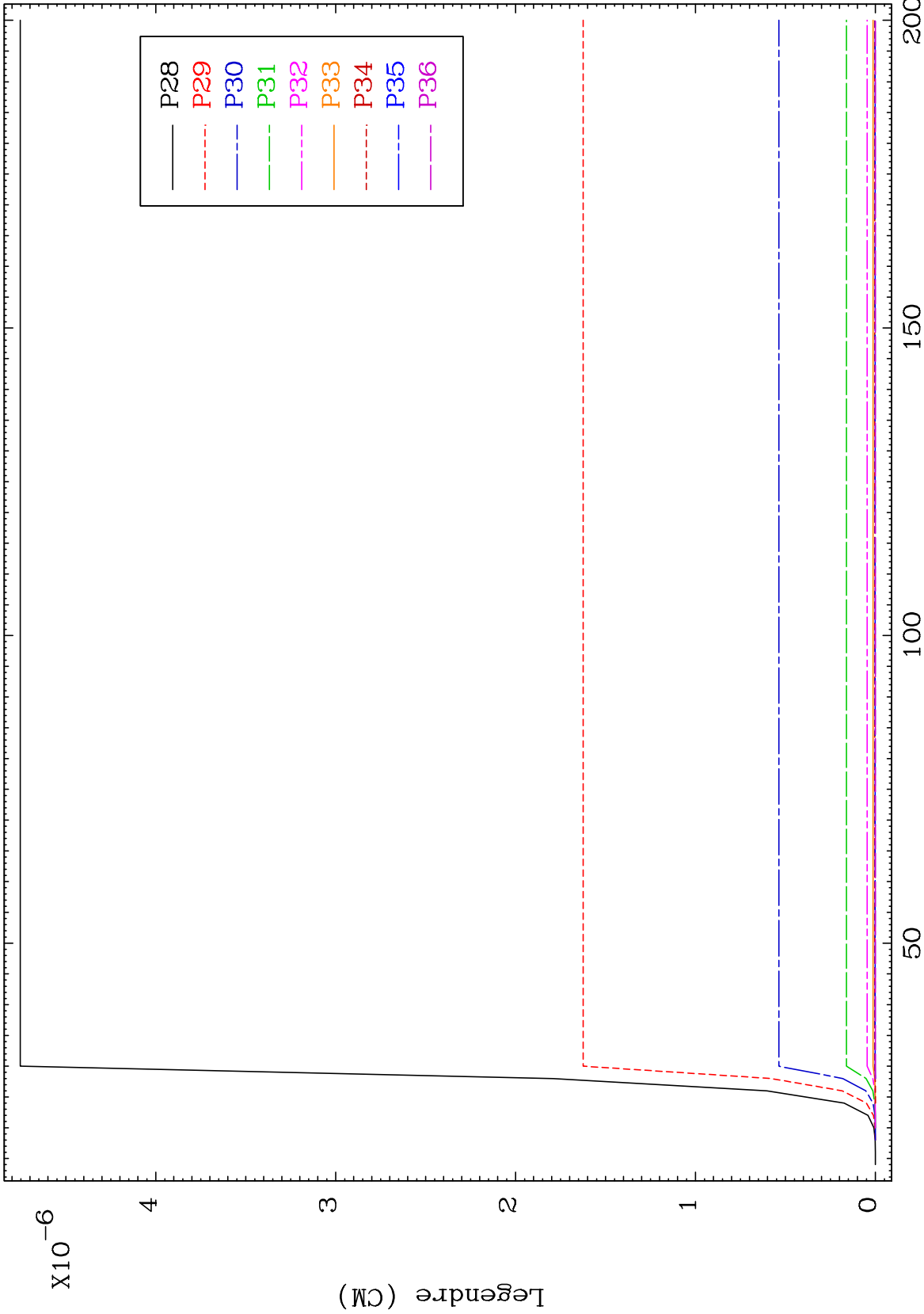
59-Pr-137



126

Incident Energy (MeV)

59-Pr-137

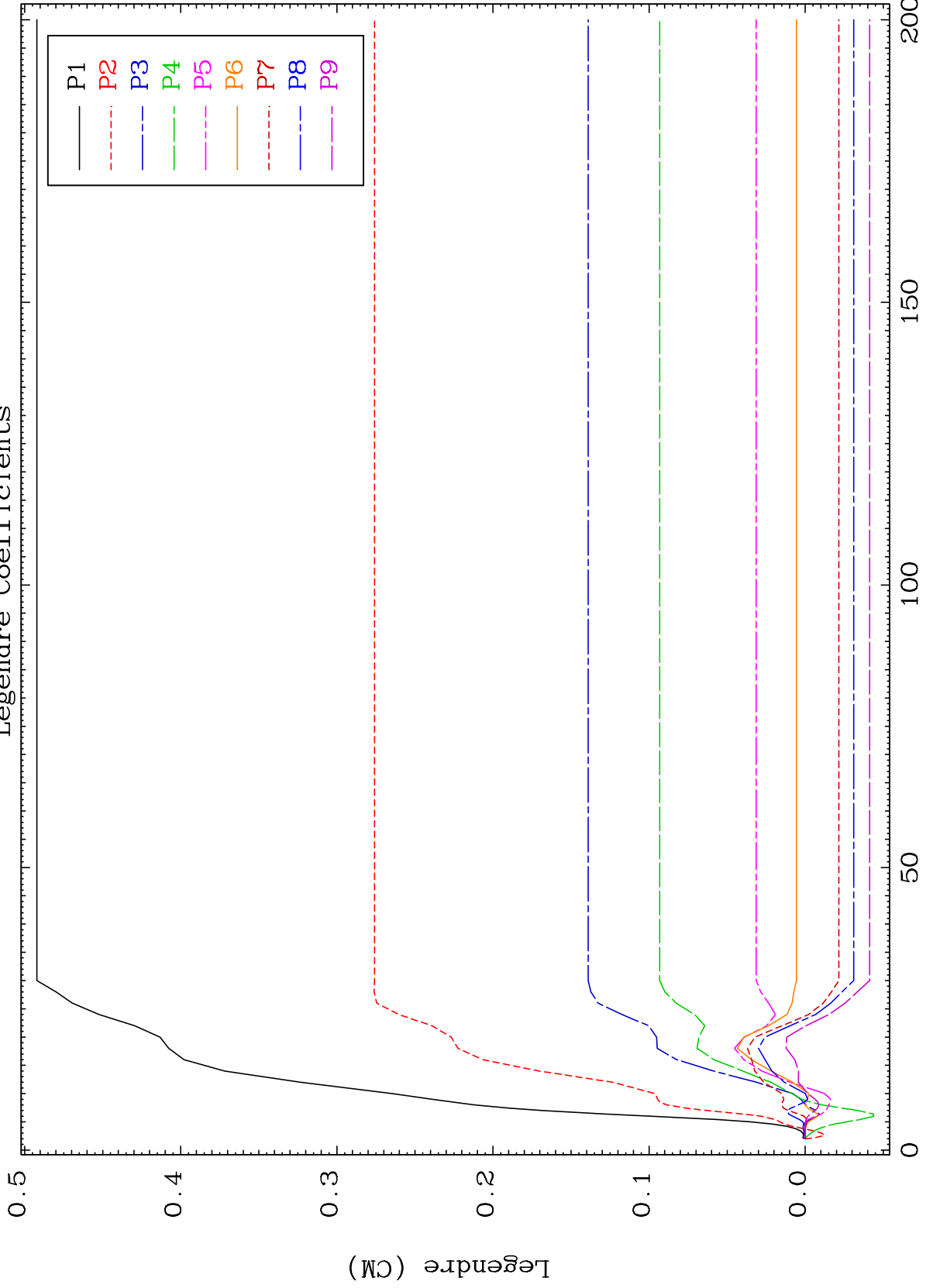




MAT 5913

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

59-Pr-137



128

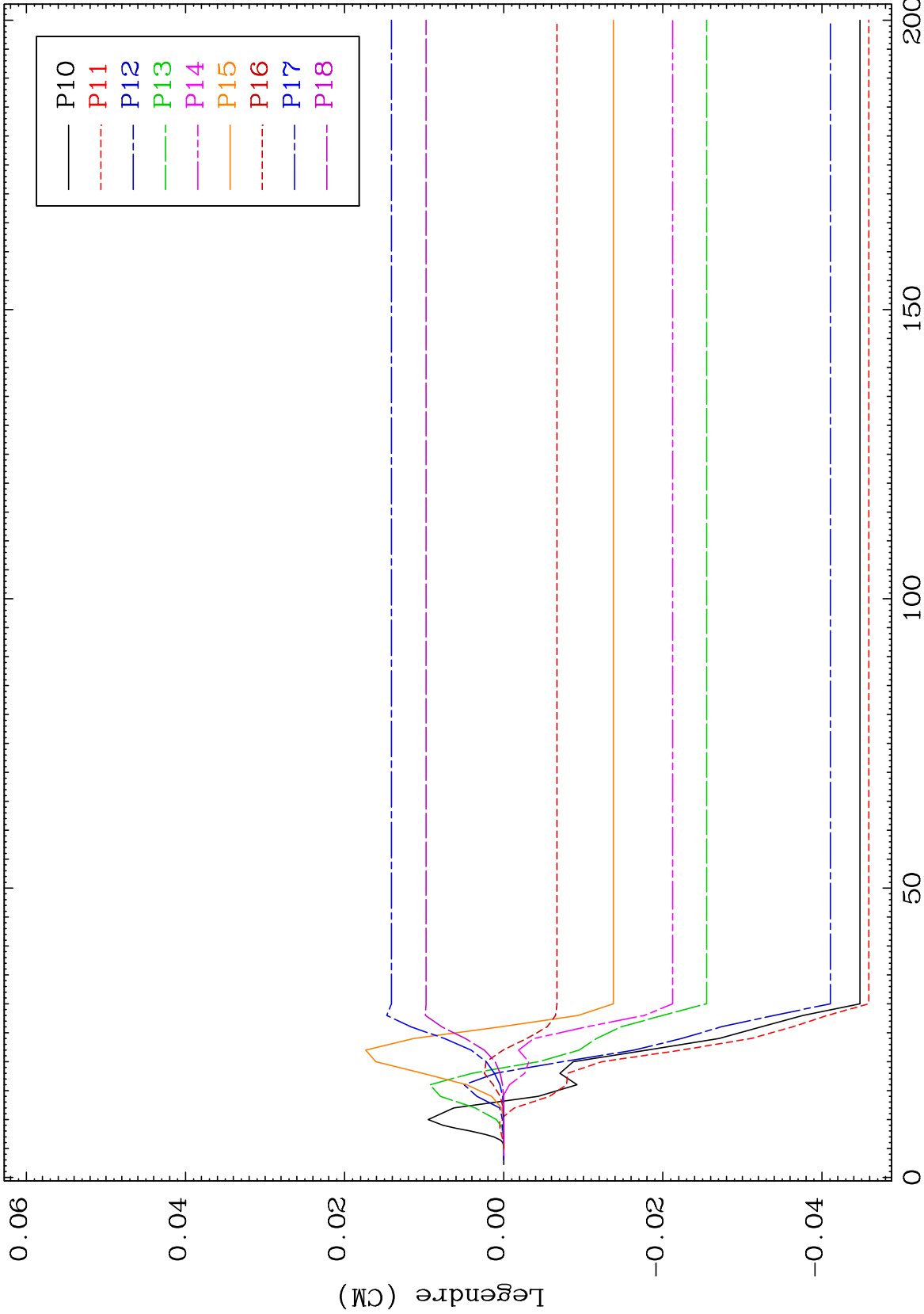
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



129

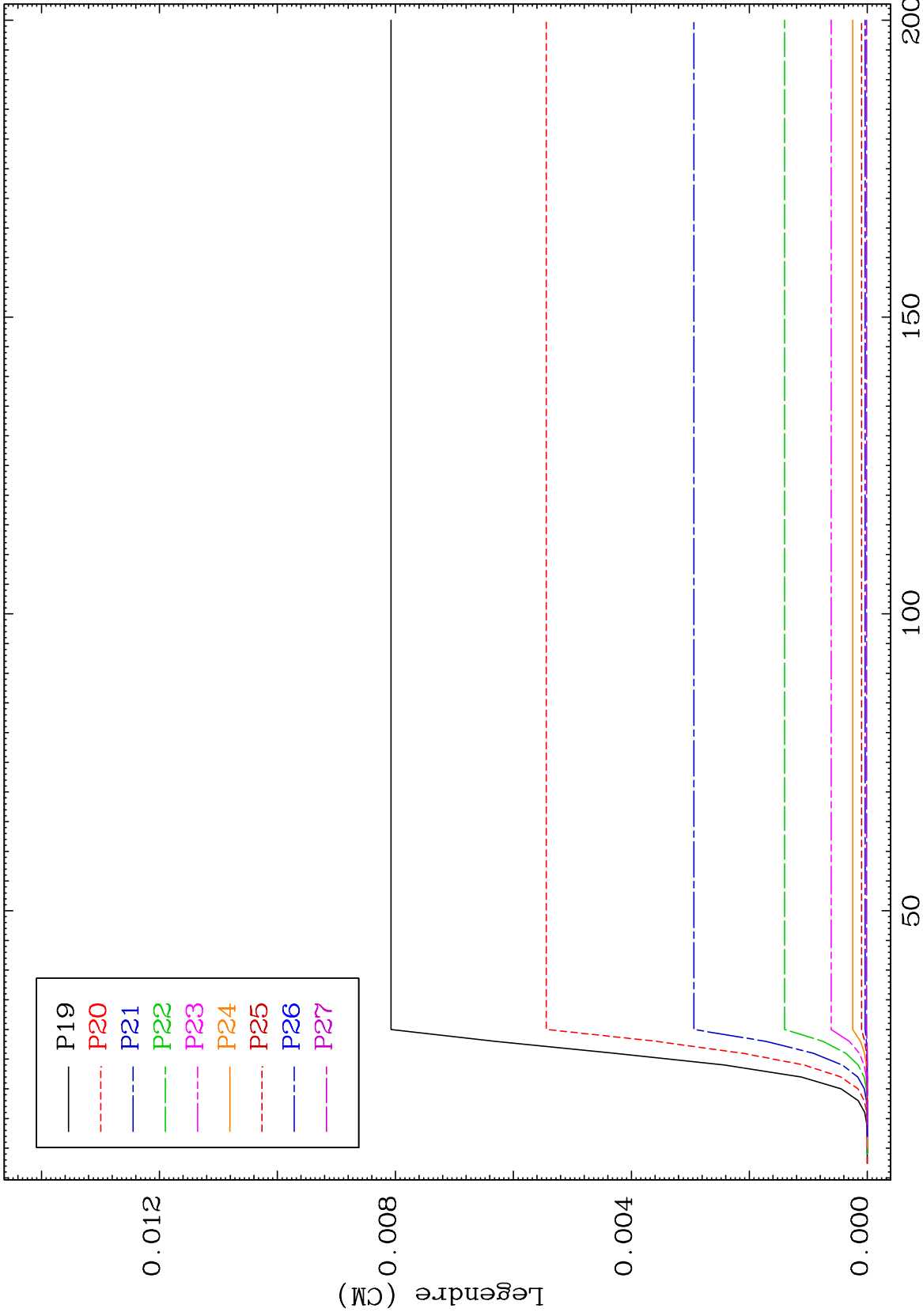
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



130

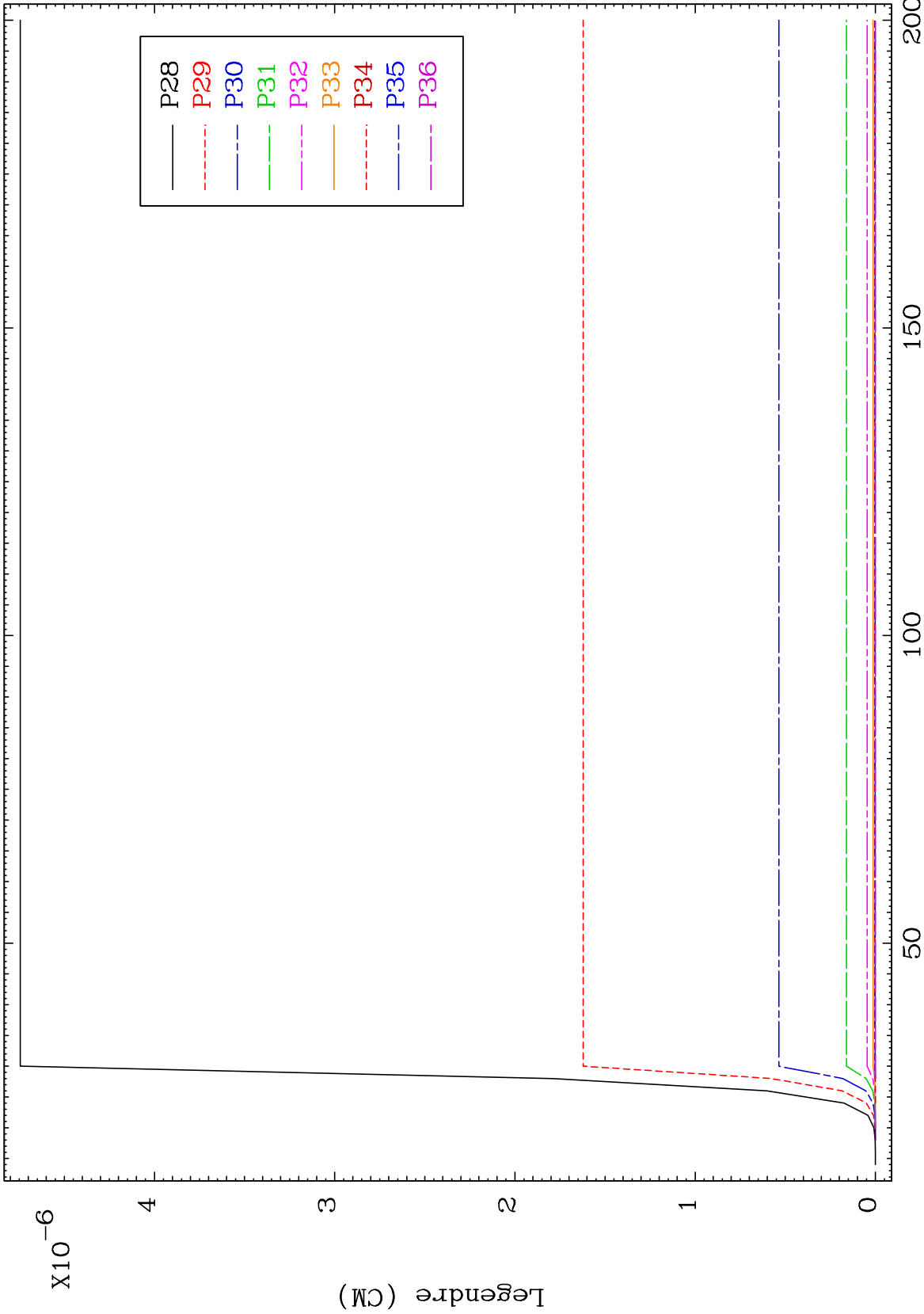
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



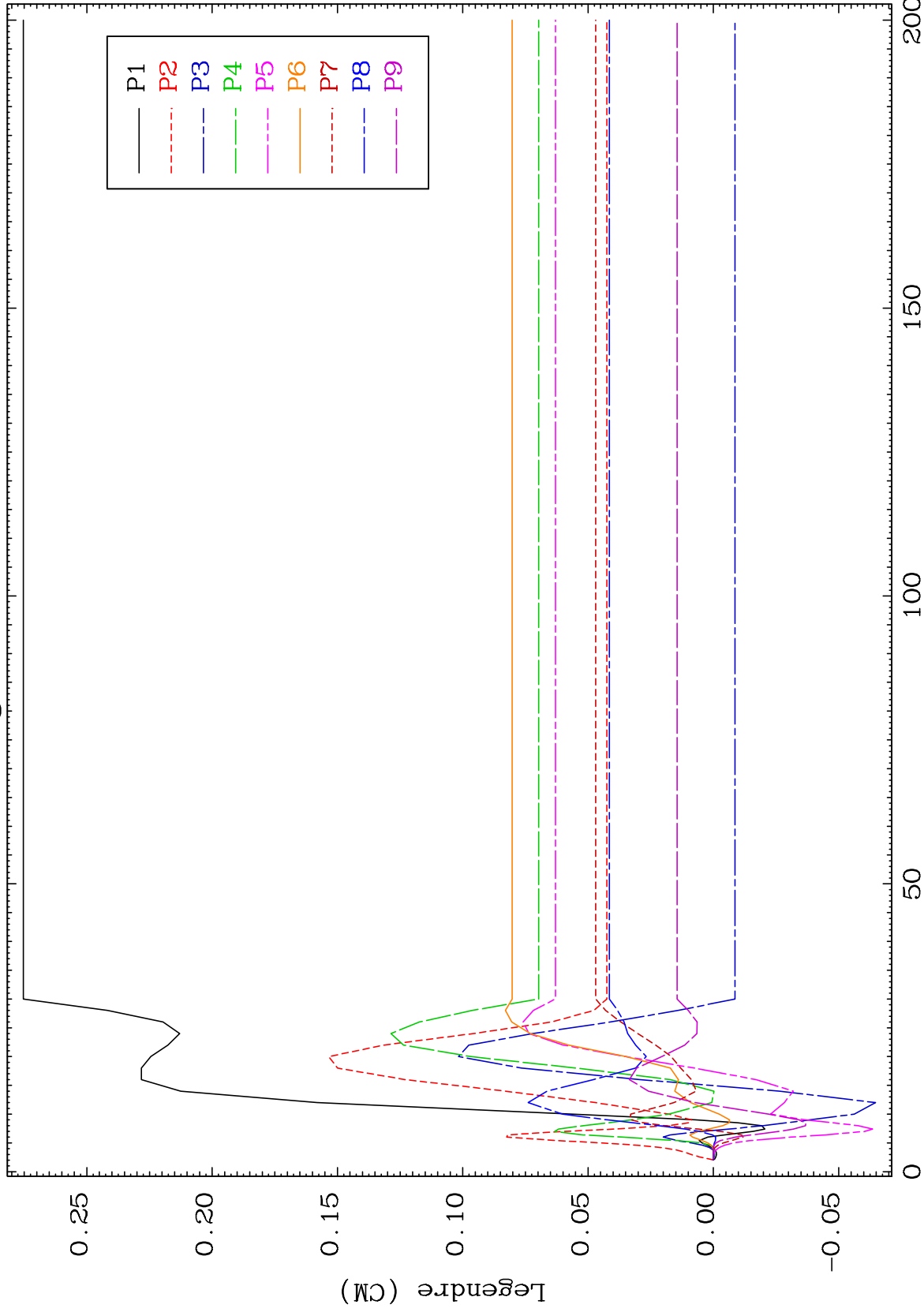
131

59-Pr-137

MAT 5913

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

59-Pr-137



132

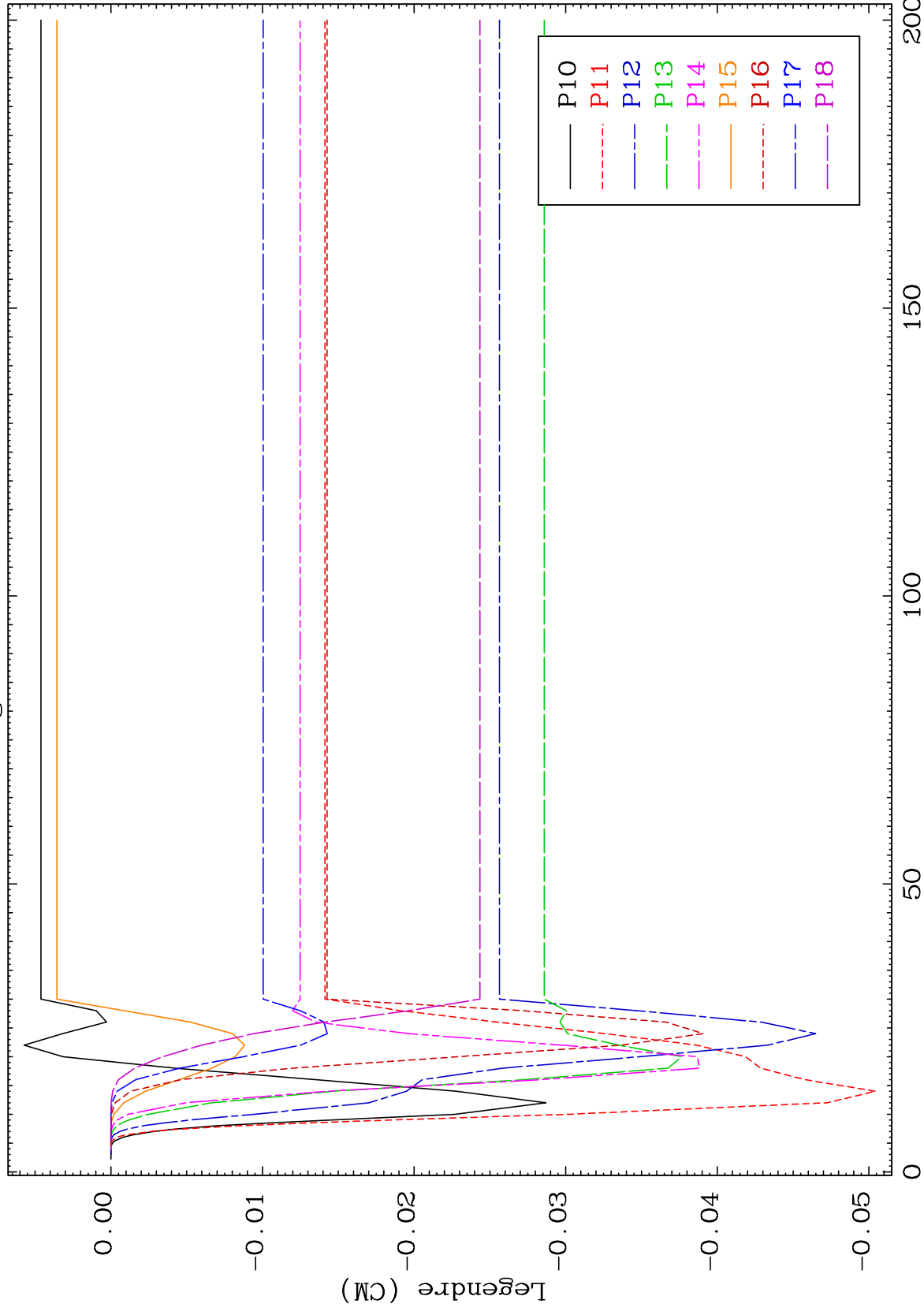
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



133

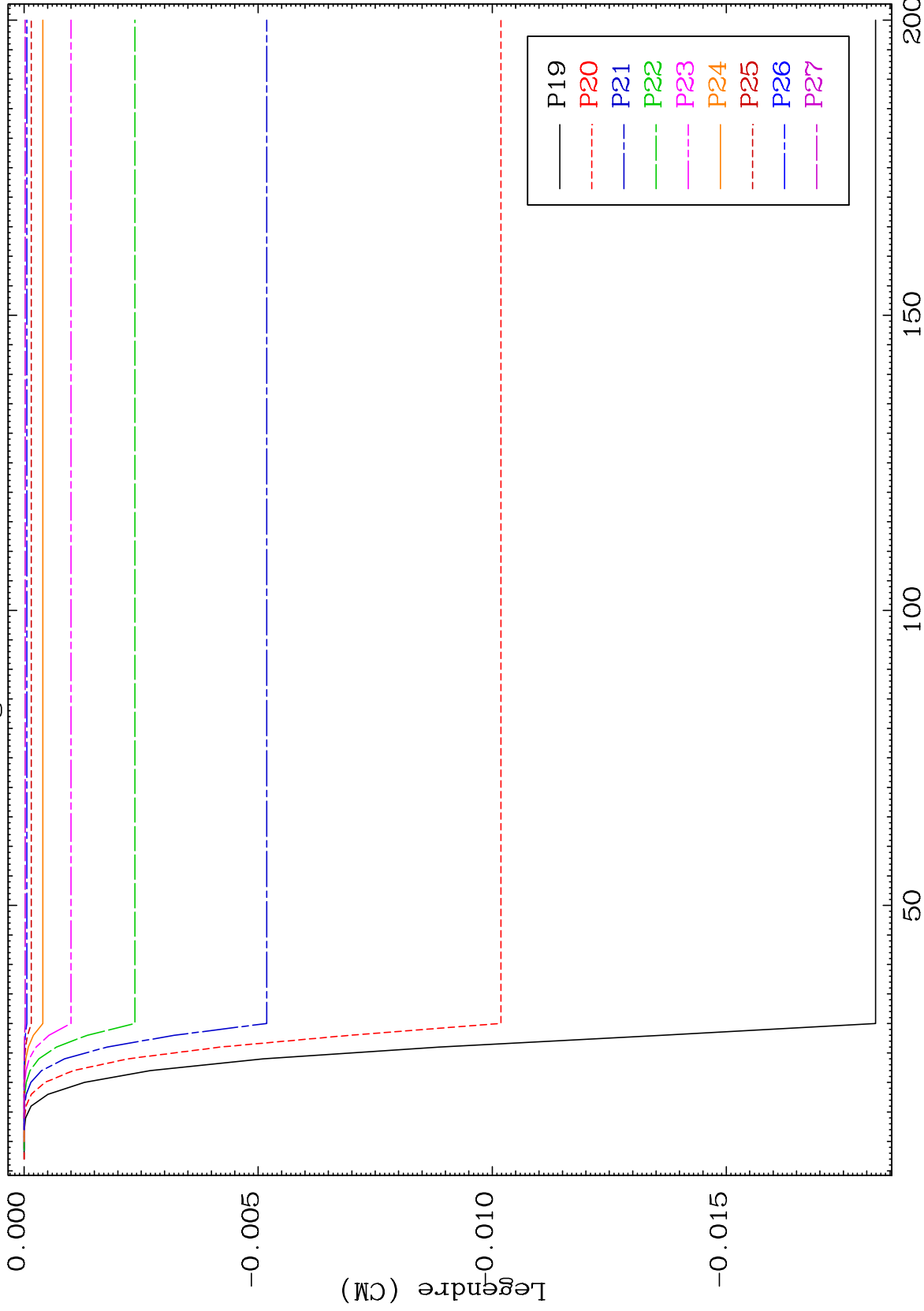
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



134

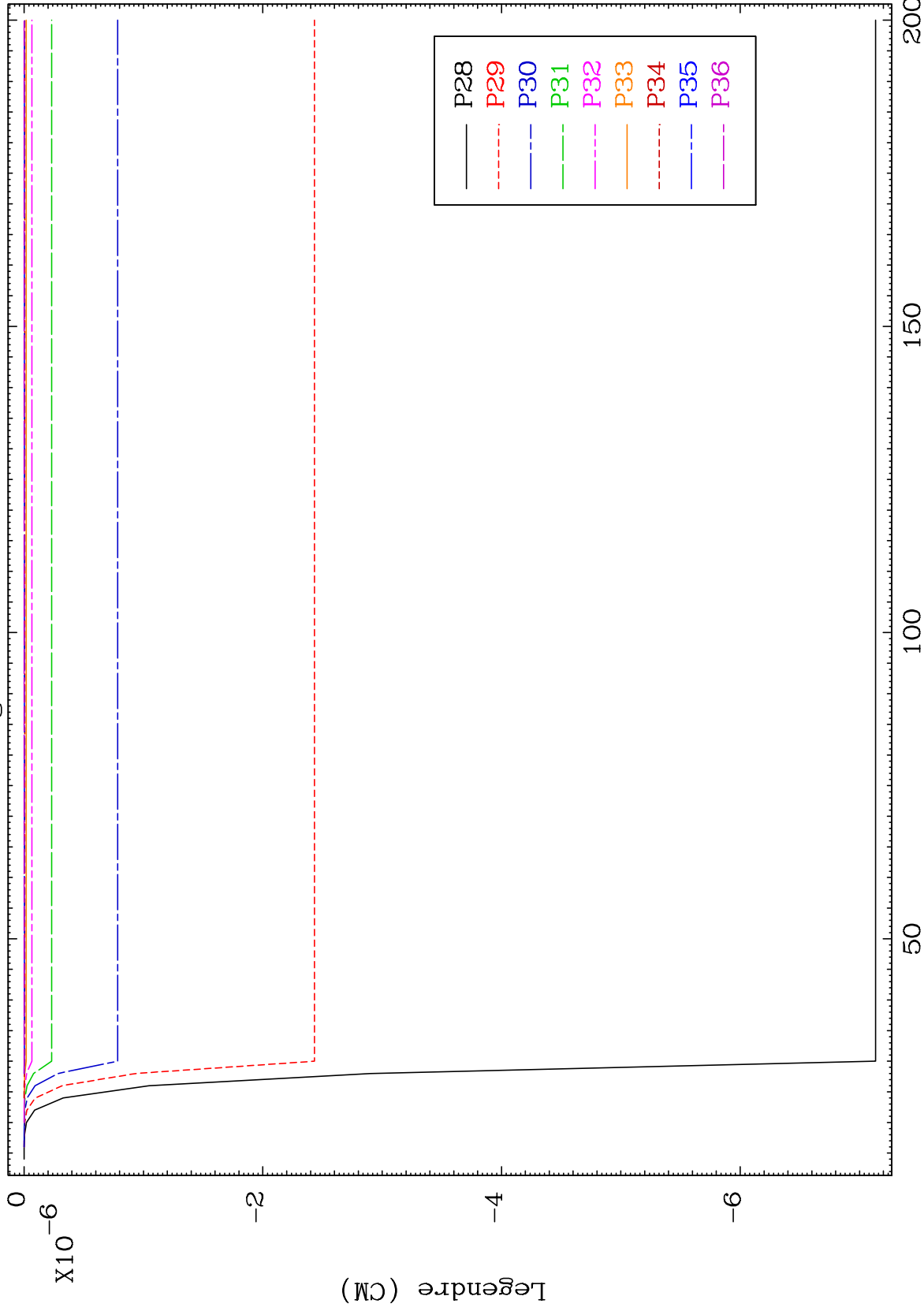
Incident Energy (MeV)

59-Pr-137

MAT 5913

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

59-Pr-137



135

Incident Energy (MeV)

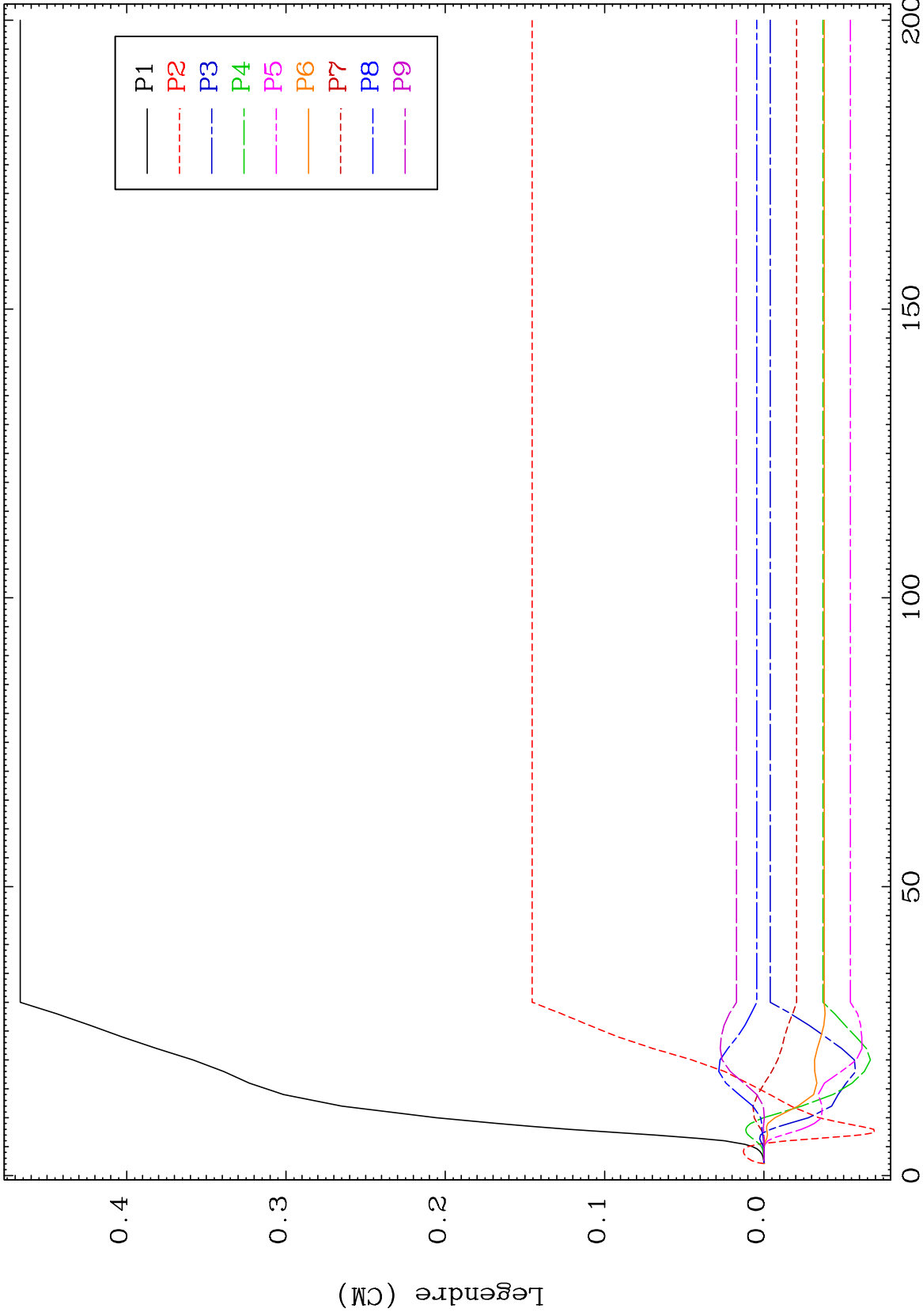
59-Pr-137



MAT 5913

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

59-Pr-137



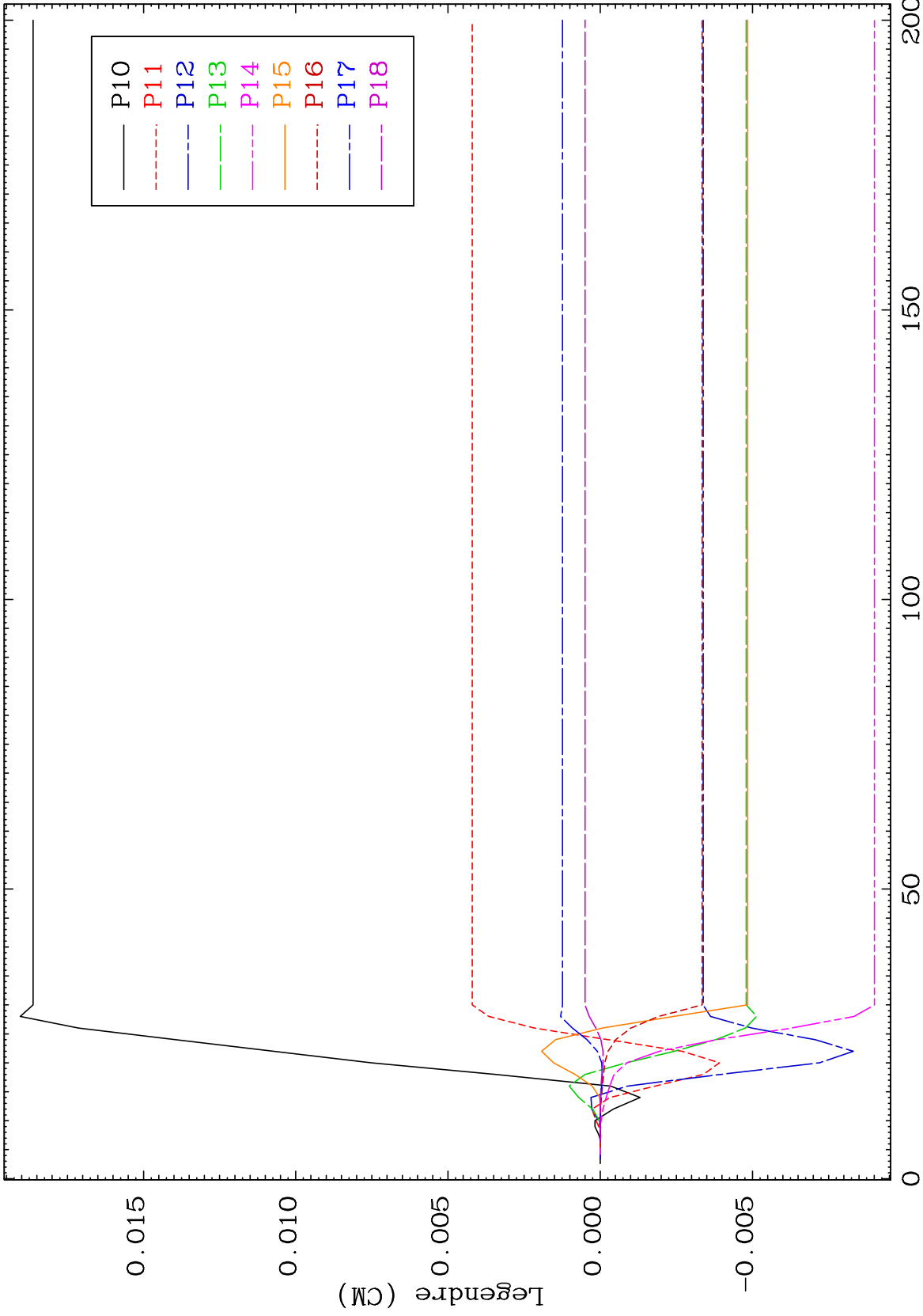
136

59-Pr-137

MAT 5913

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

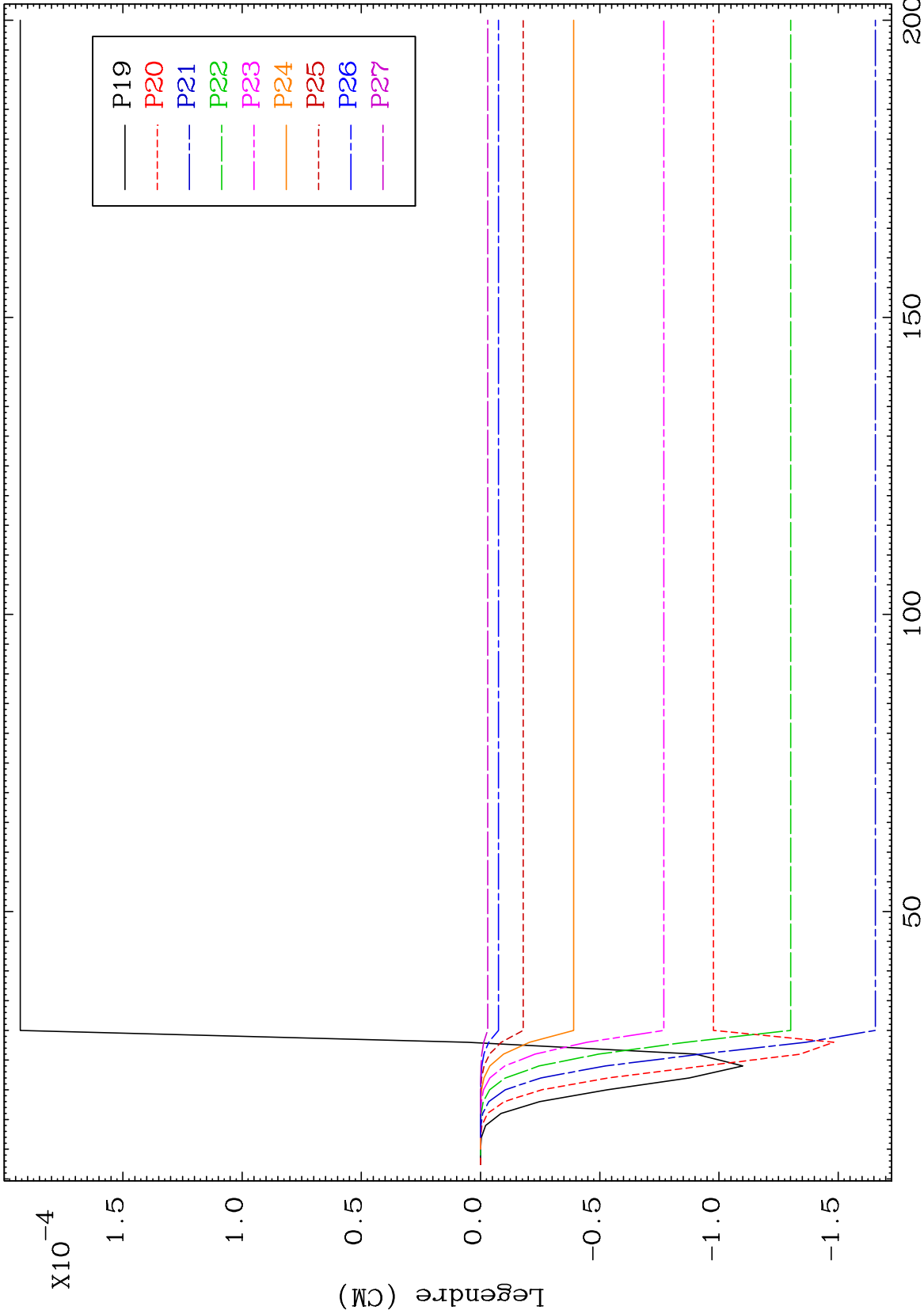
59-Pr-137



137

Incident Energy (MeV)

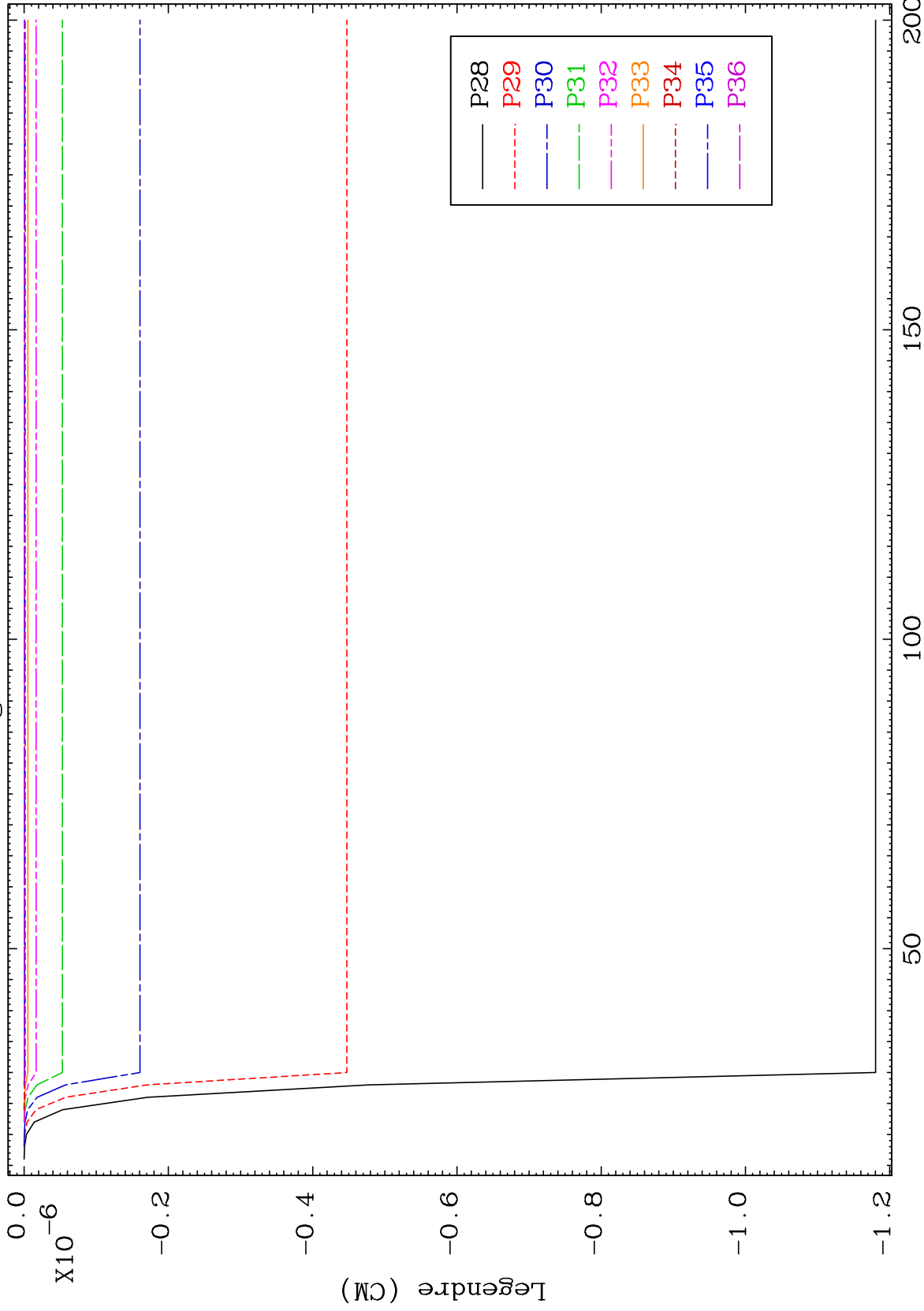
59-Pr-137



MAT 5913

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

59-Pr-137



139

Incident Energy (MeV)

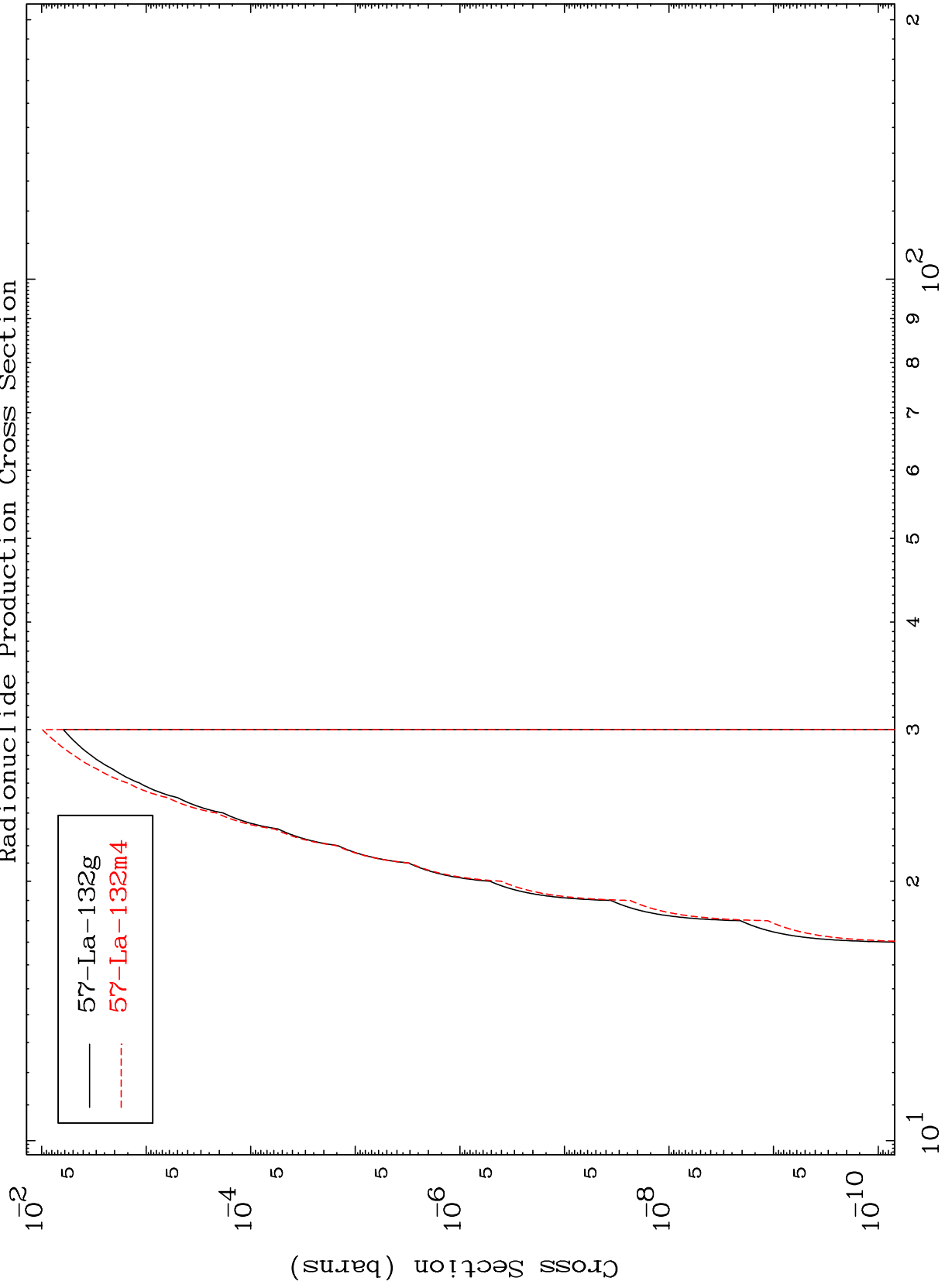
59-Pr-137

MAT 5913

(n,2n)  $\alpha$

59-Pr-137

Radionuclide Production Cross Section



Incident Energy (MeV)

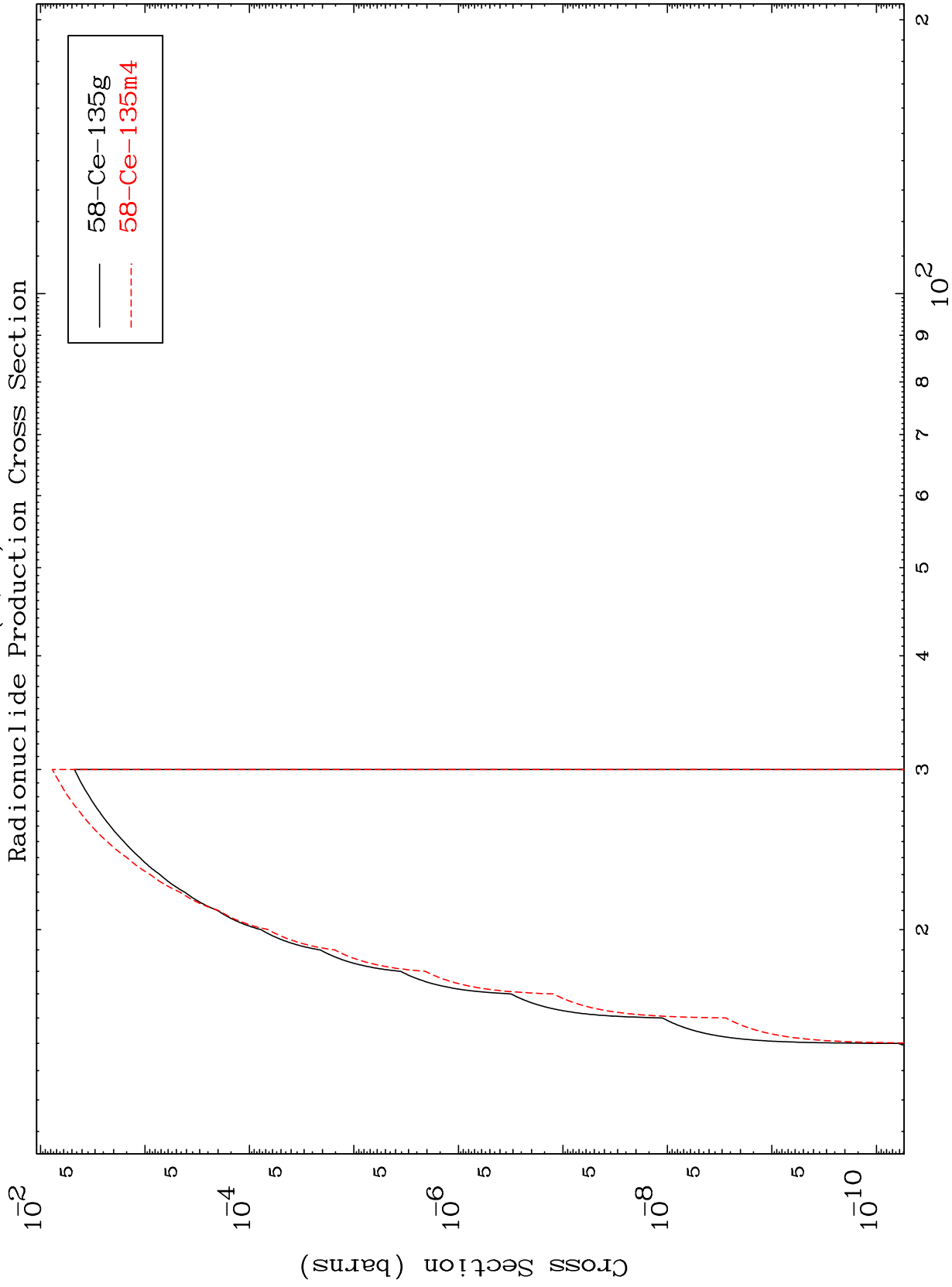
59-Pr-137

140

MAT 5913

(n,n') d

59-Pr-137



141

Incident Energy (MeV)

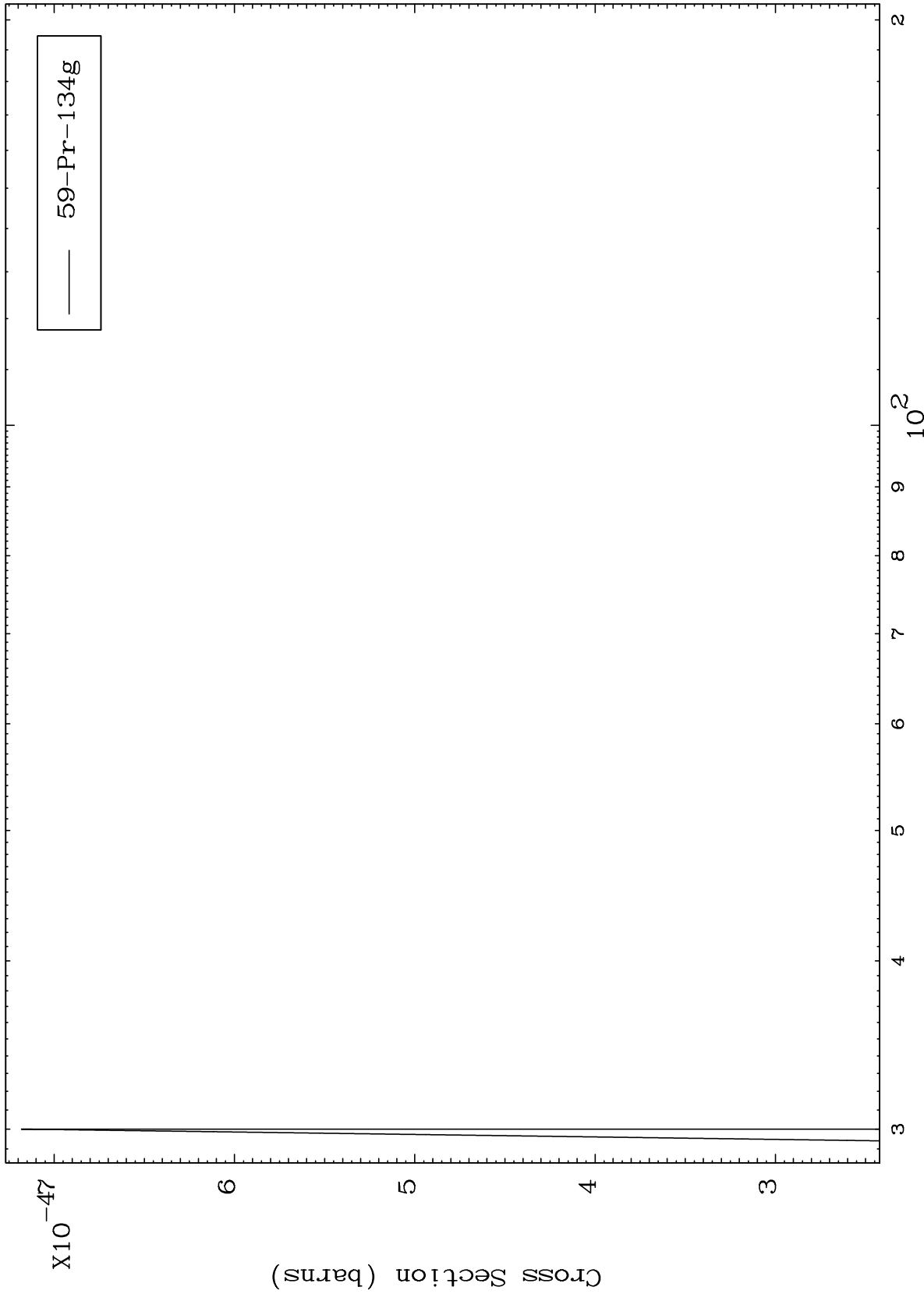
59-Pr-137

MAT 5913

(n,4n)

59-Pr-137

Radionuclide Production Cross Section



142

Incident Energy (MeV)

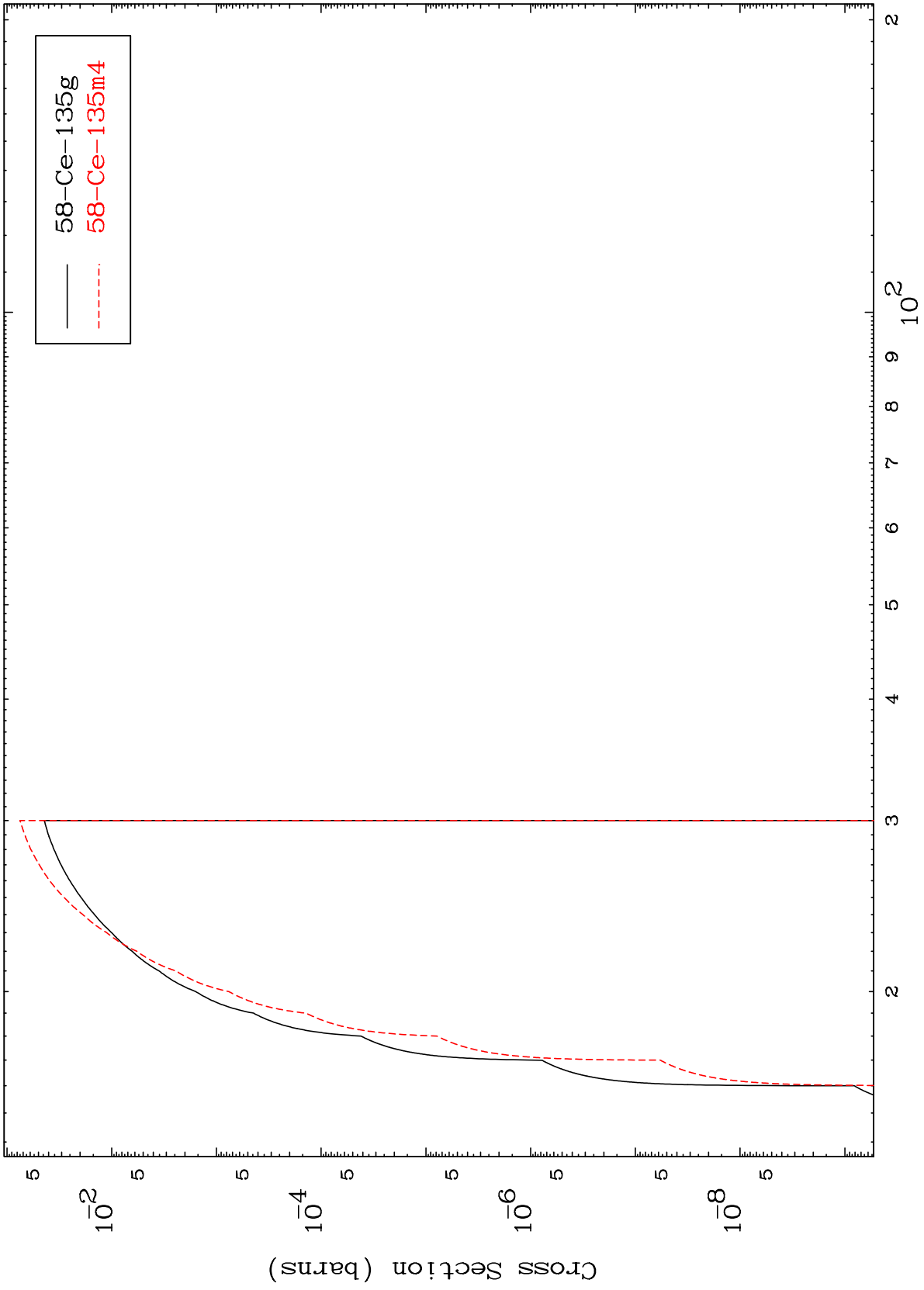
59-Pr-137

MAT 5913

(n,2n) p

59-Pr-137

Radionuclide Production Cross Section



143

Incident Energy (MeV)

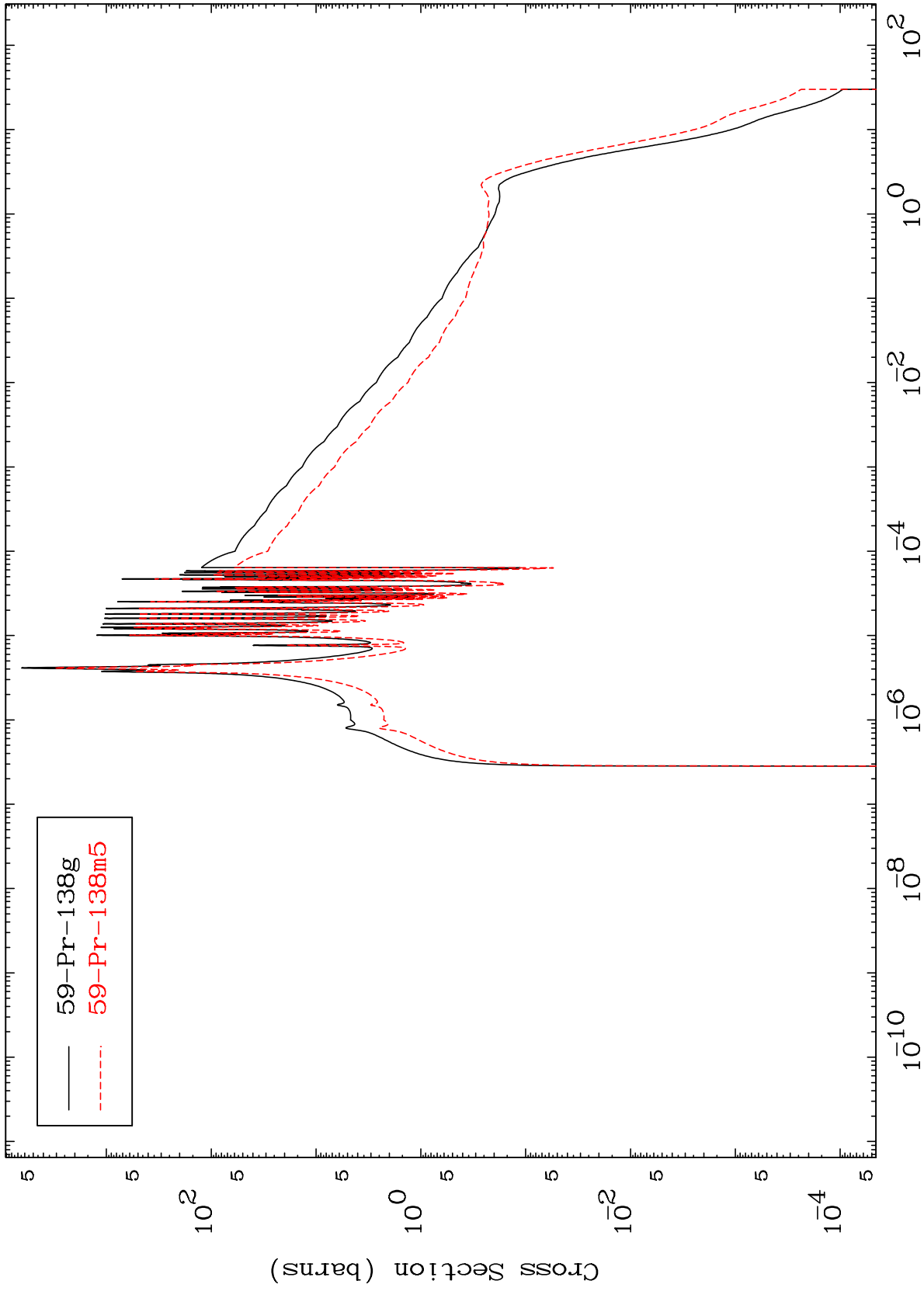
59-Pr-137



MAT 5913

59-Pr-137

(n,γ)  
Radionuclide Production Cross Section



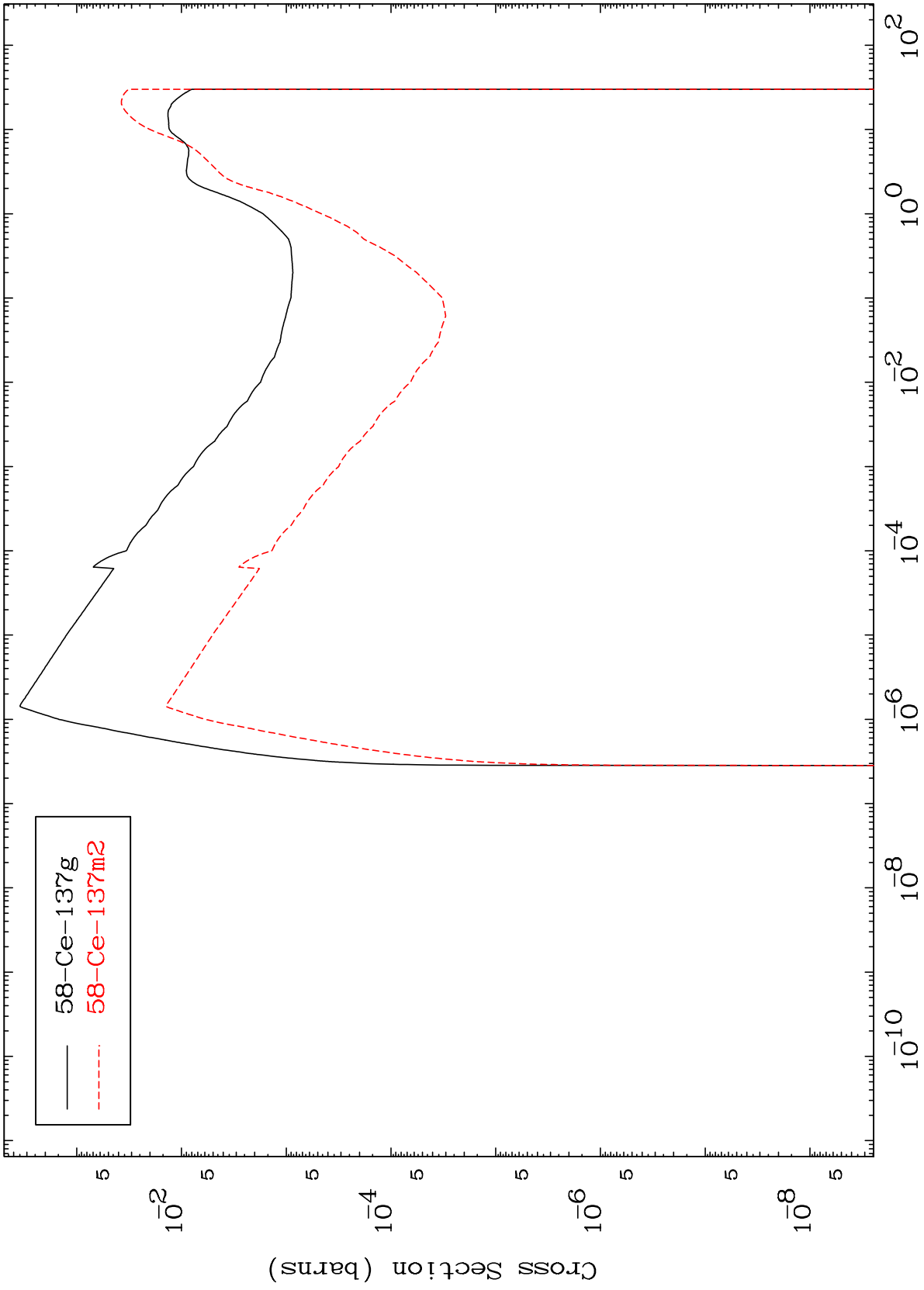
144

59-Pr-137

MAT 5913

59-Pr-137

(n,p)  
Radionuclide Production Cross Section



— 58-Ce-137g  
- - - 58-Ce-137m2

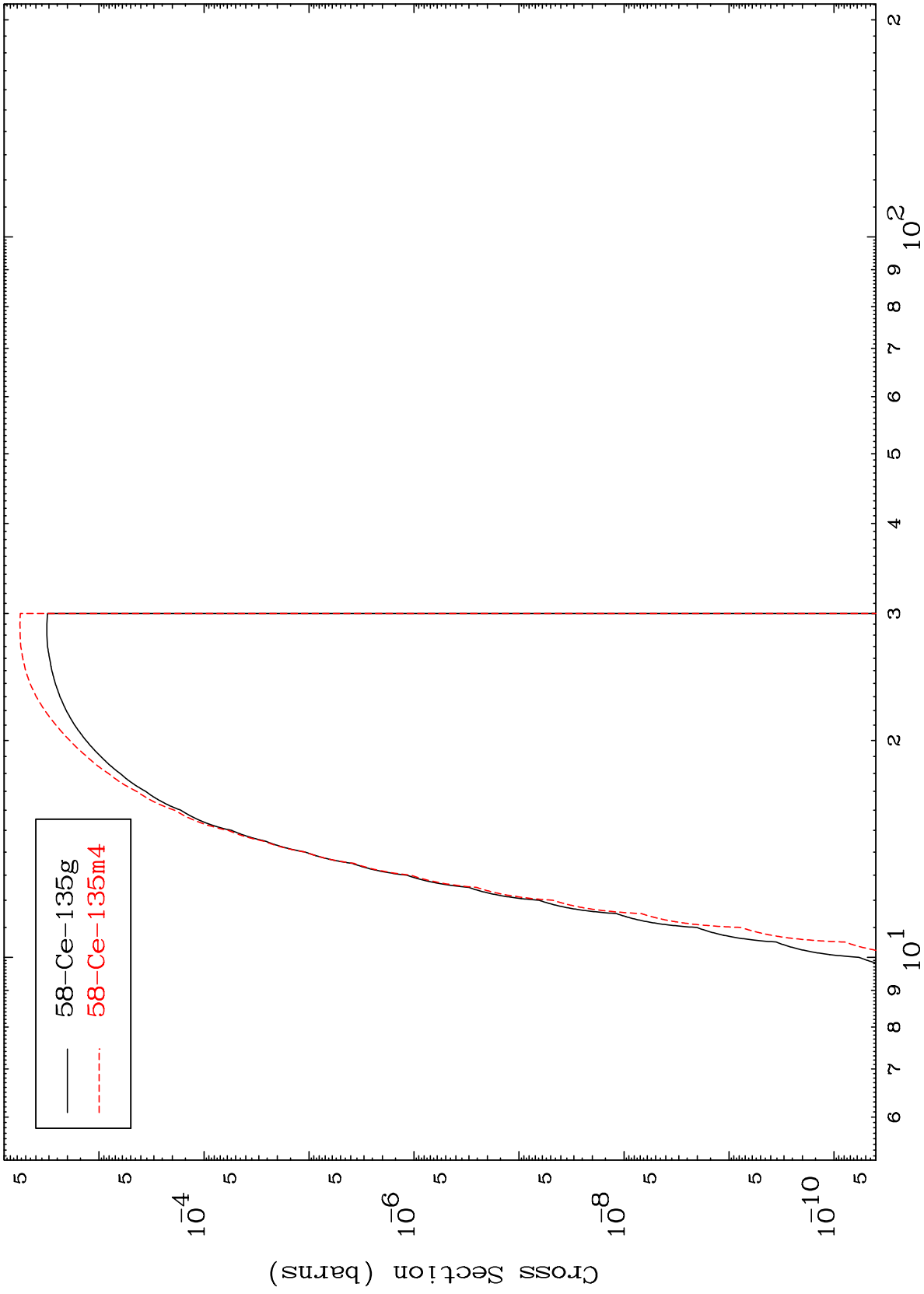
145

59-Pr-137

MAT 5913

59-Pr-137

Radionuclide Production Cross Section (n,t)



146

Incident Energy (MeV)

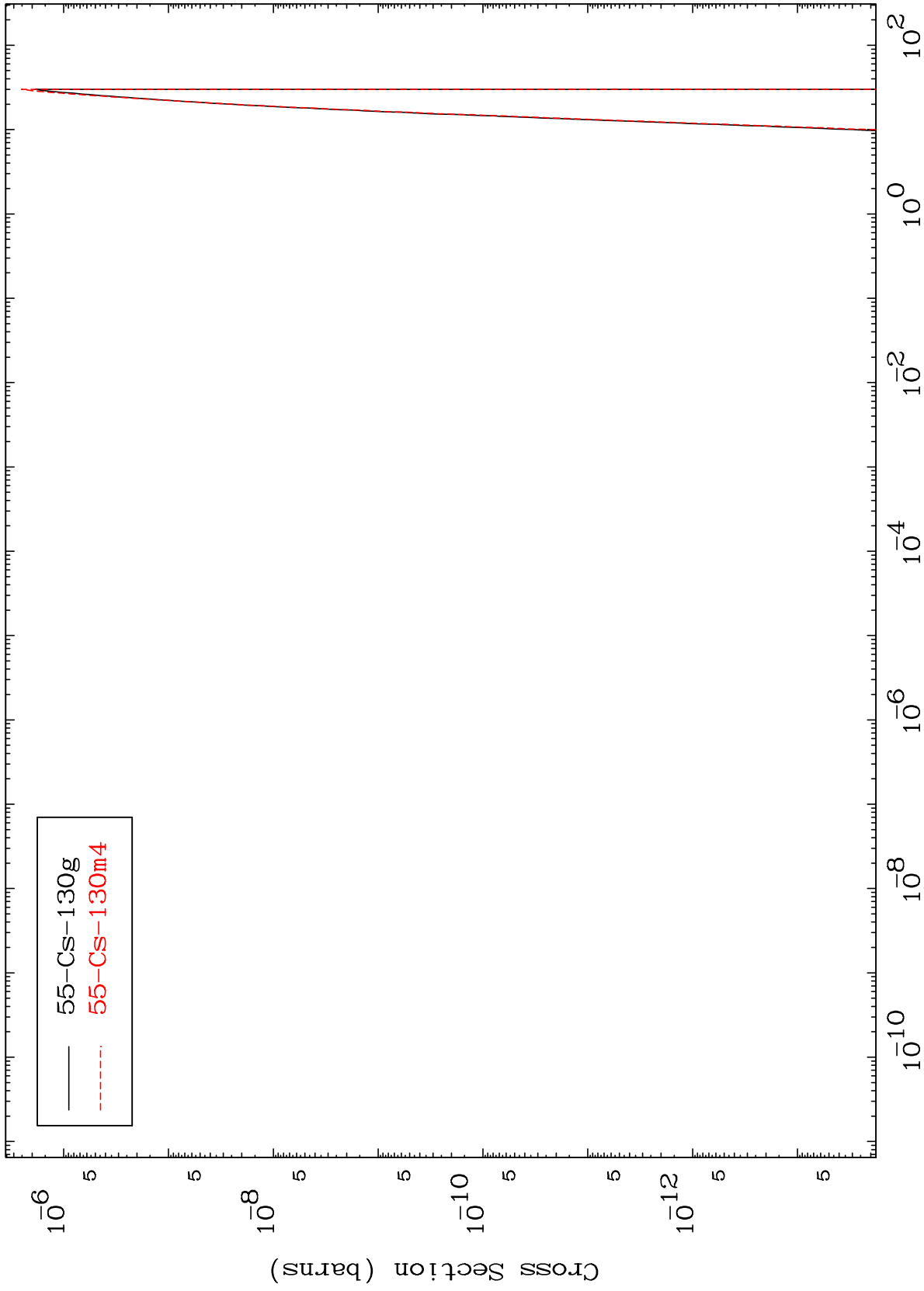
59-Pr-137

MAT 5913

(n,2α)

59-Pr-137

Radionuclide Production Cross Section



147

Incident Energy (MeV)

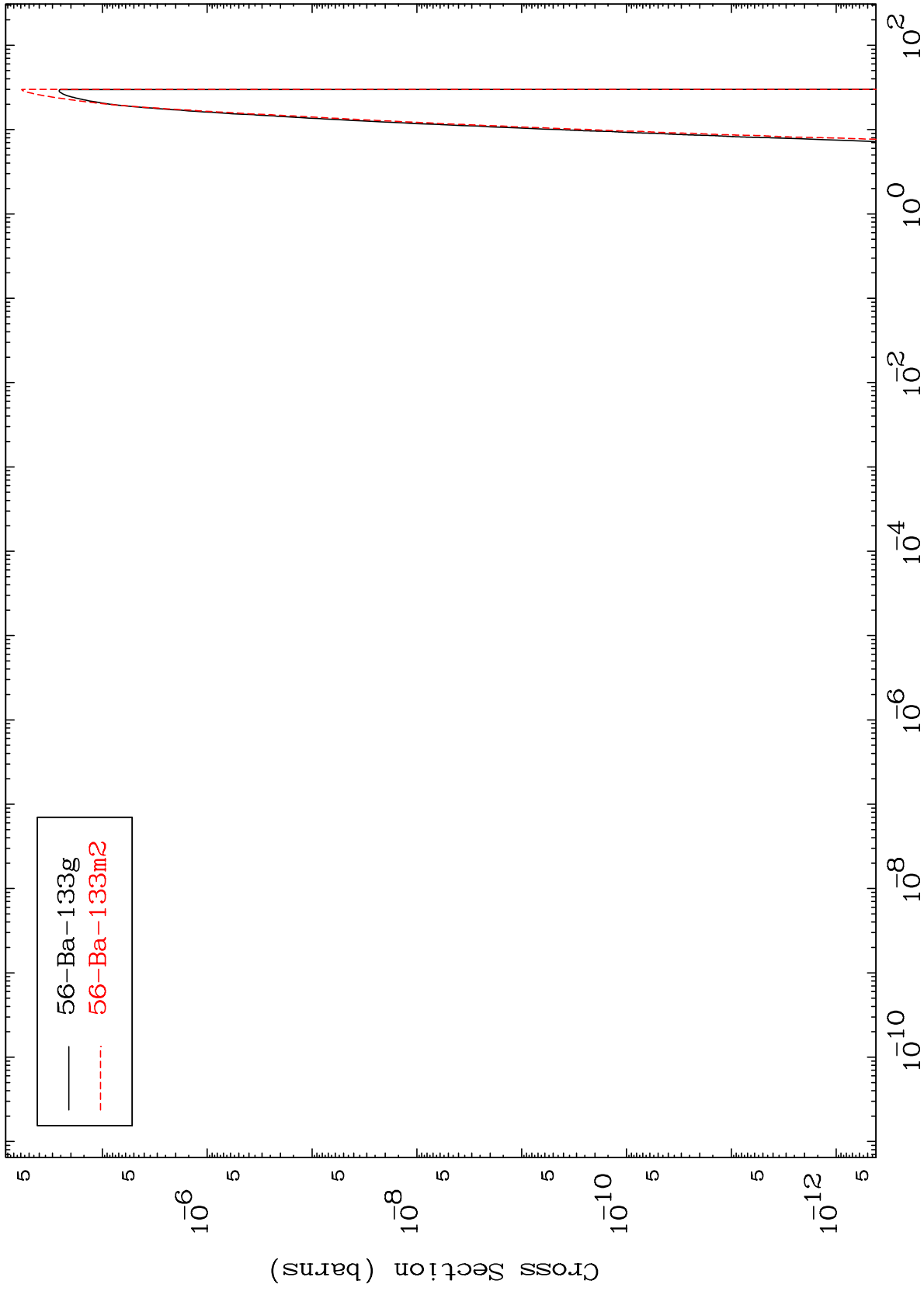
59-Pr-137

MAT 5913

(n,p)  $\alpha$

59-Pr-137

Radionuclide Production Cross Section



148

Incident Energy (MeV)

59-Pr-137