

Program EVALPLOT  
(Version 2018-1)

by

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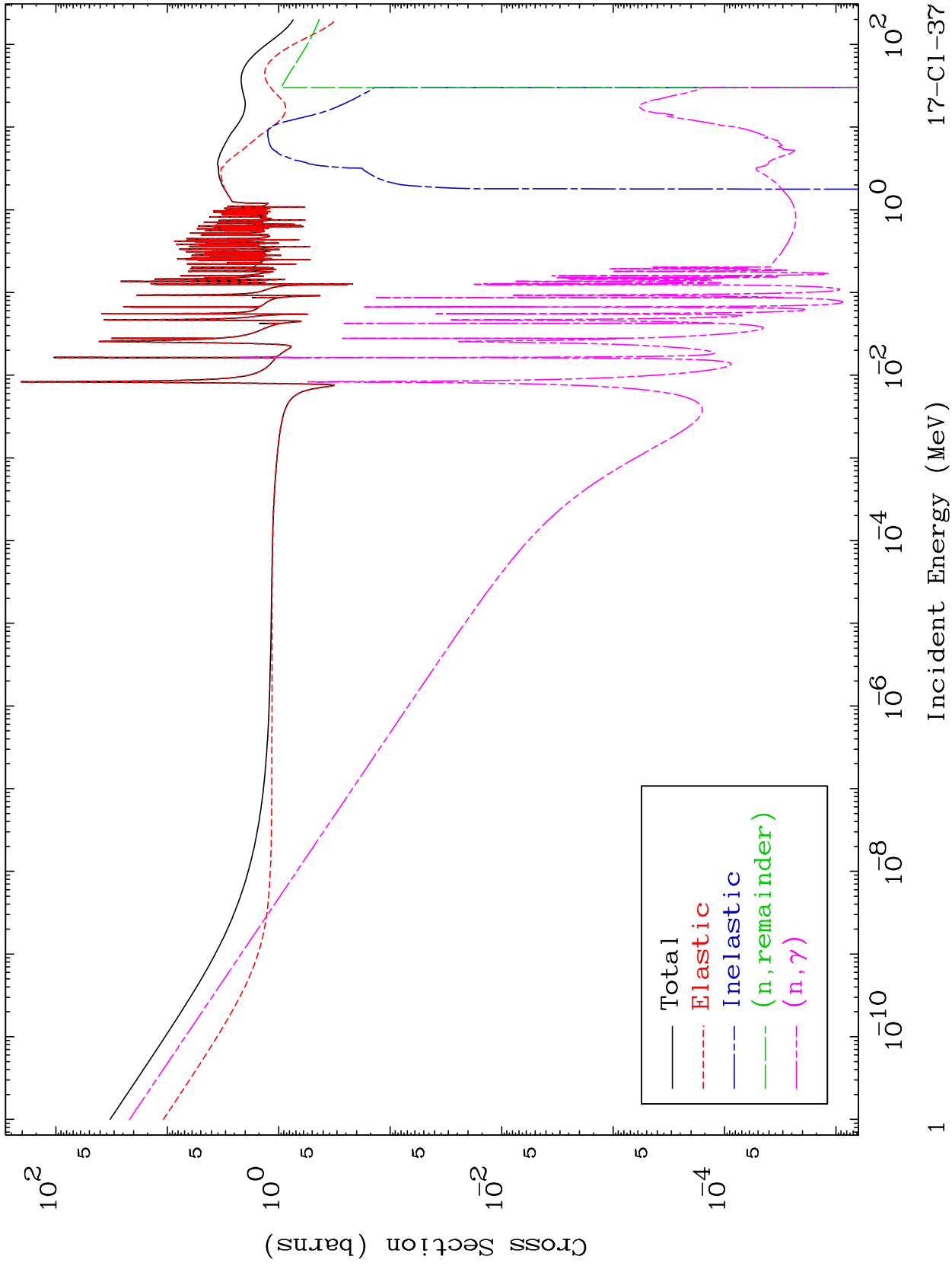
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 1731

Major  
293 Kelvin Cross Sections

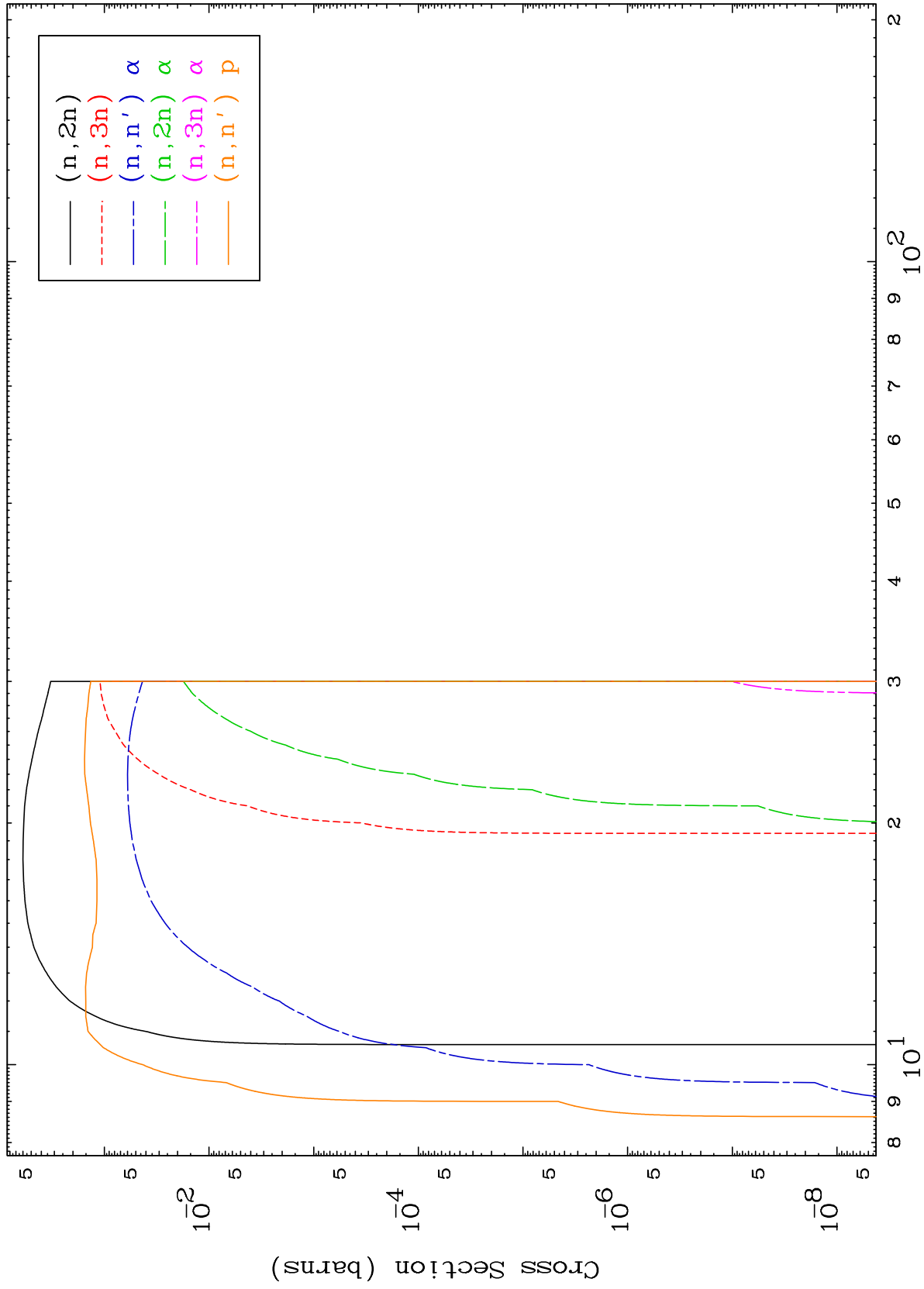
17-Cl-37



MAT 1731

Neutron Production  
293 Kelvin Cross Sections

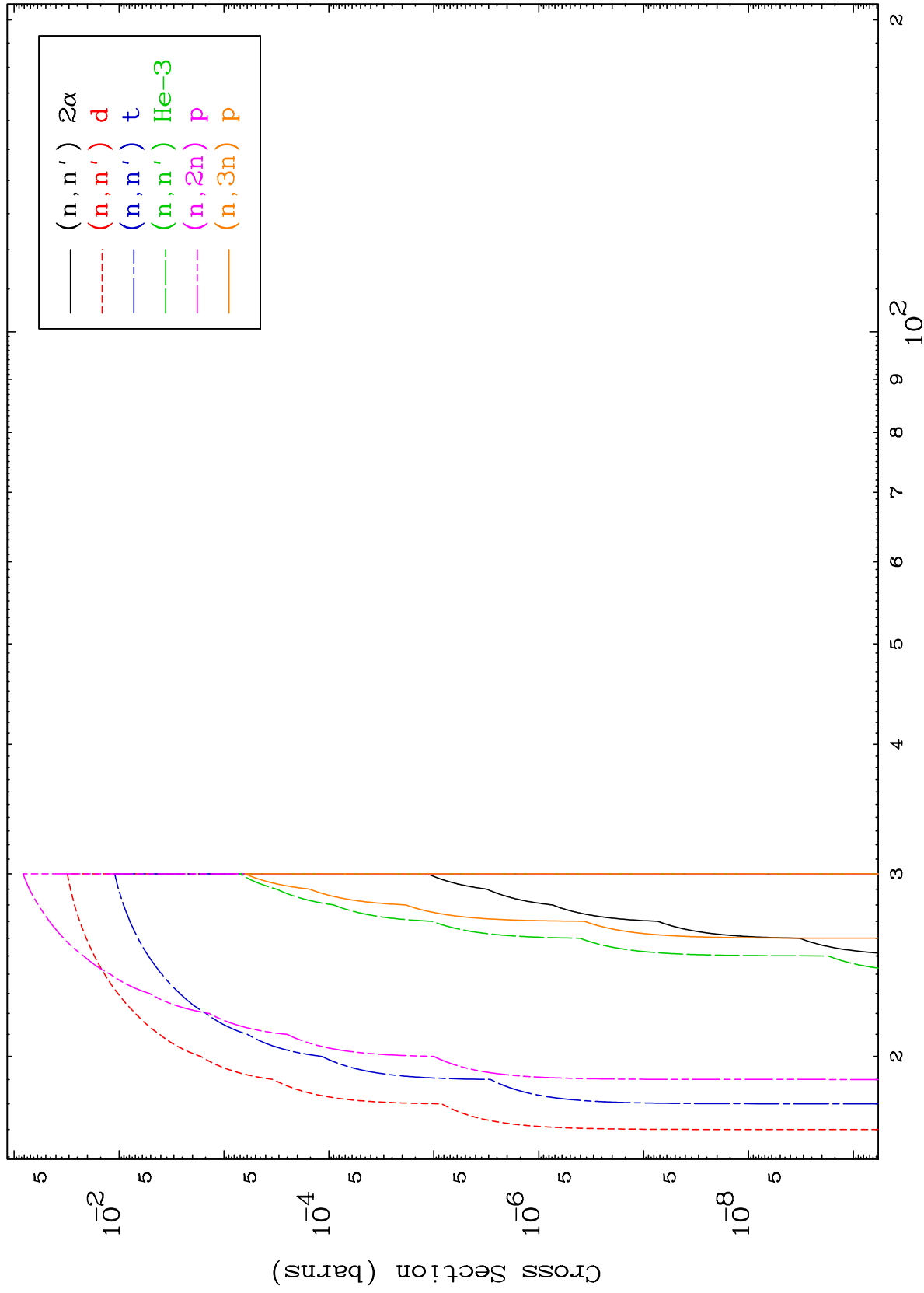
17-Cl-37



2

Incident Energy (MeV)

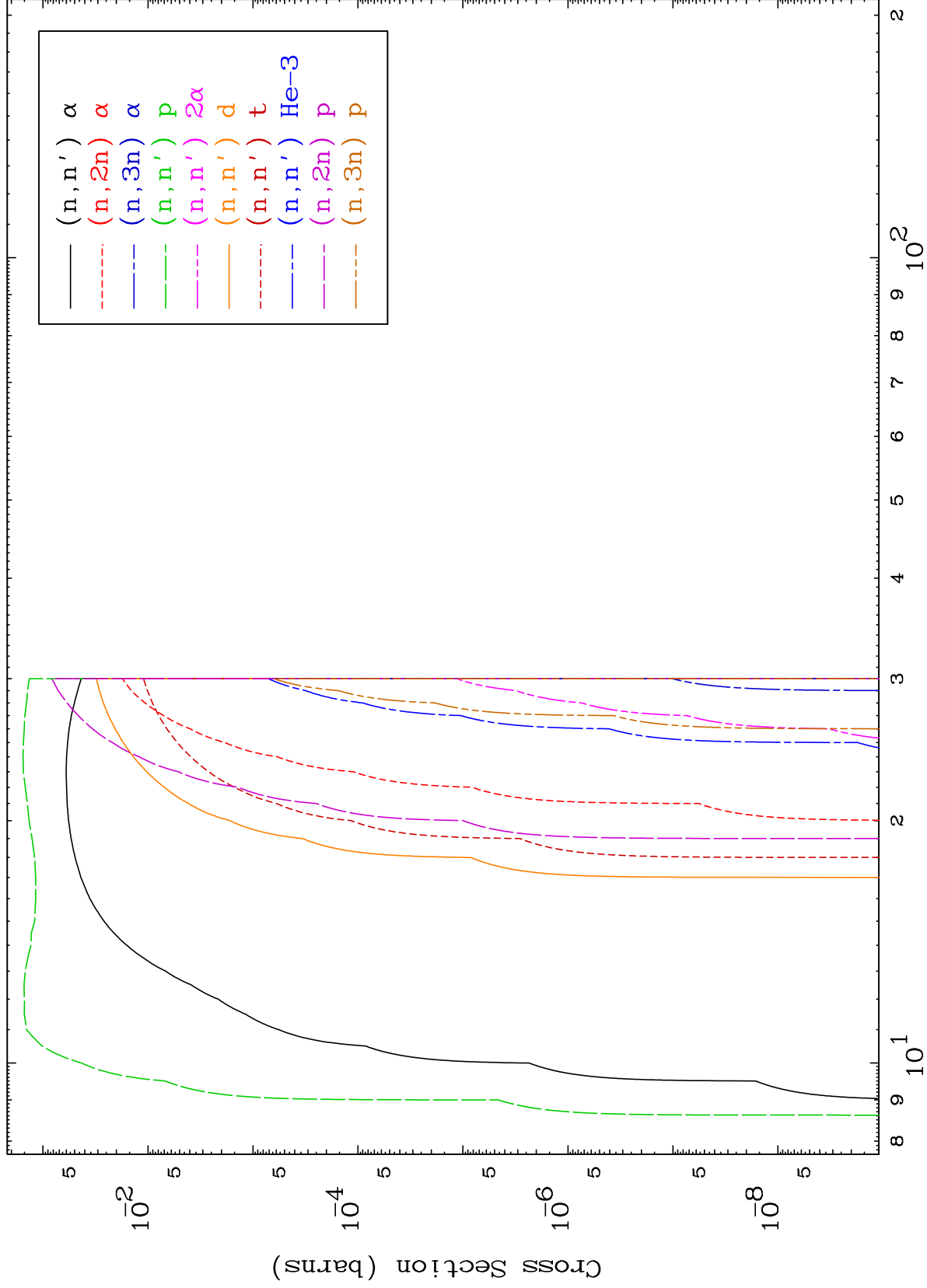
17-Cl-37



MAT 1731

Charged Particle  
293 Kelvin Cross Sections

17-Cl-37



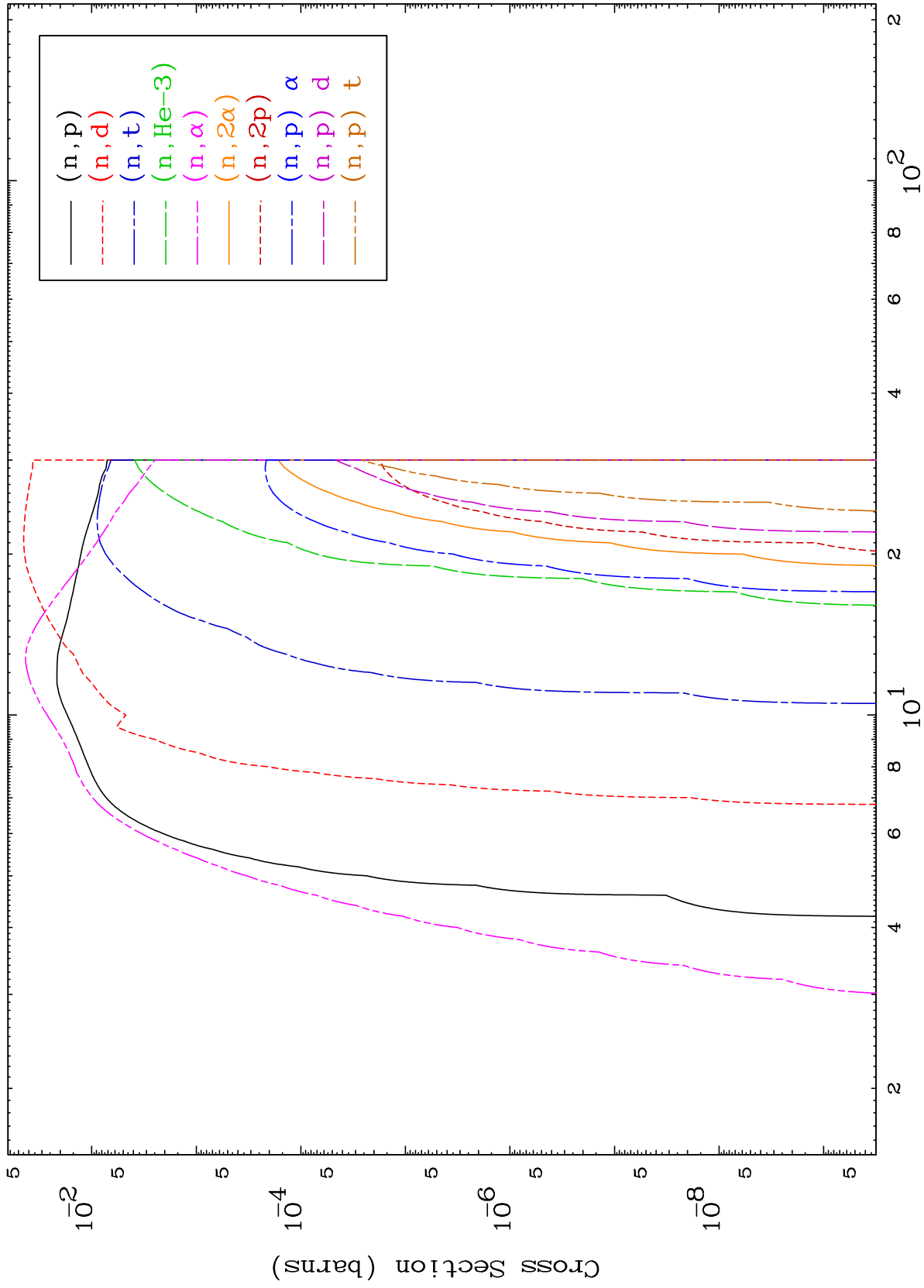
4

17-Cl-37

MAT 1731

Charged Particle  
293 Kelvin Cross Sections

17-Cl-37



5

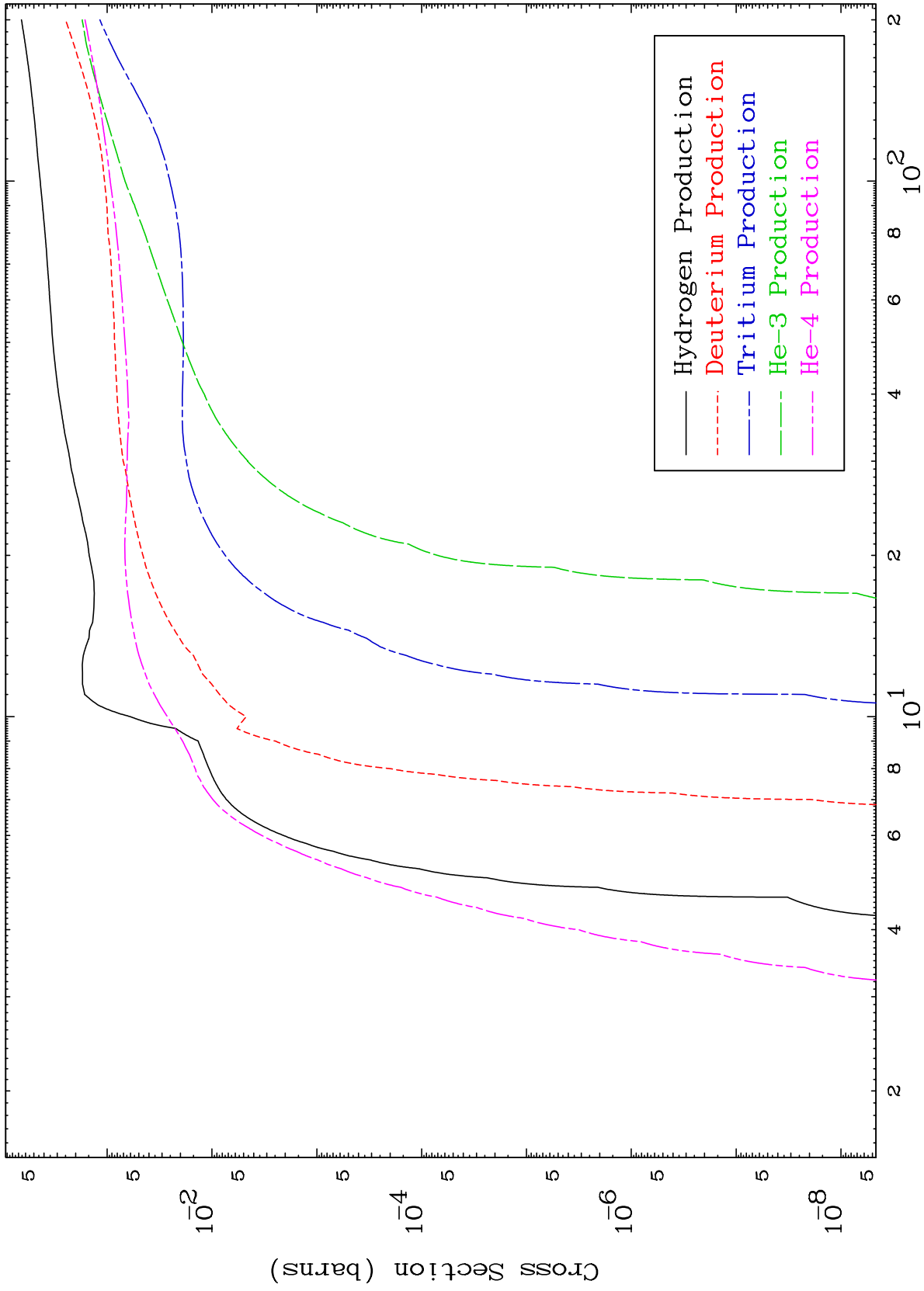
Incident Energy (MeV)

17-Cl-37

MAT 1731

Particle Production  
293 Kelvin Cross Sections

17-Cl-37



6

Incident Energy (MeV)

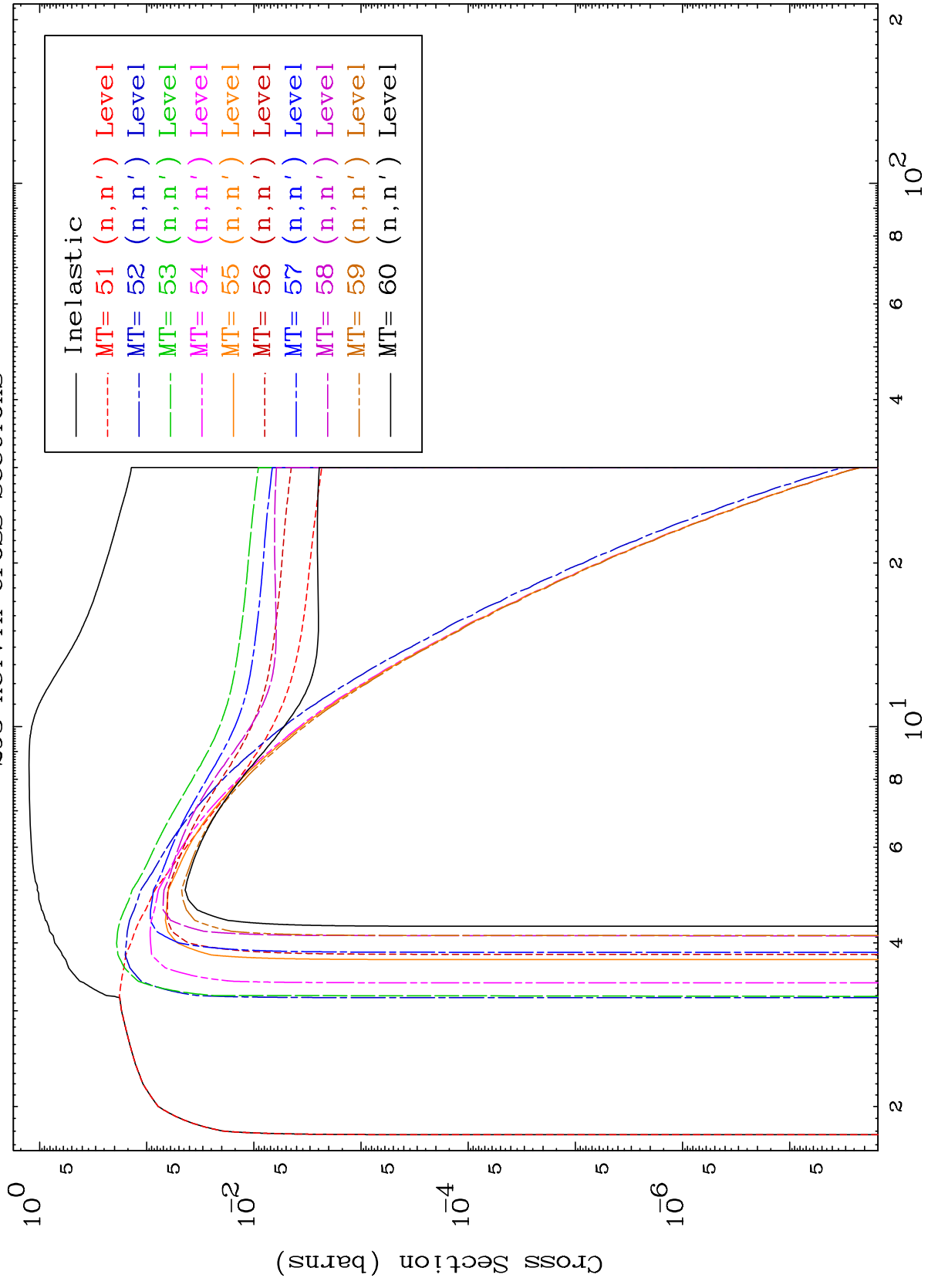
17-Cl-37

MAT 1731

(n,n') Level

17-Cl-37

293 Kelvin Cross Sections



7

Incident Energy (MeV)

17-Cl-37

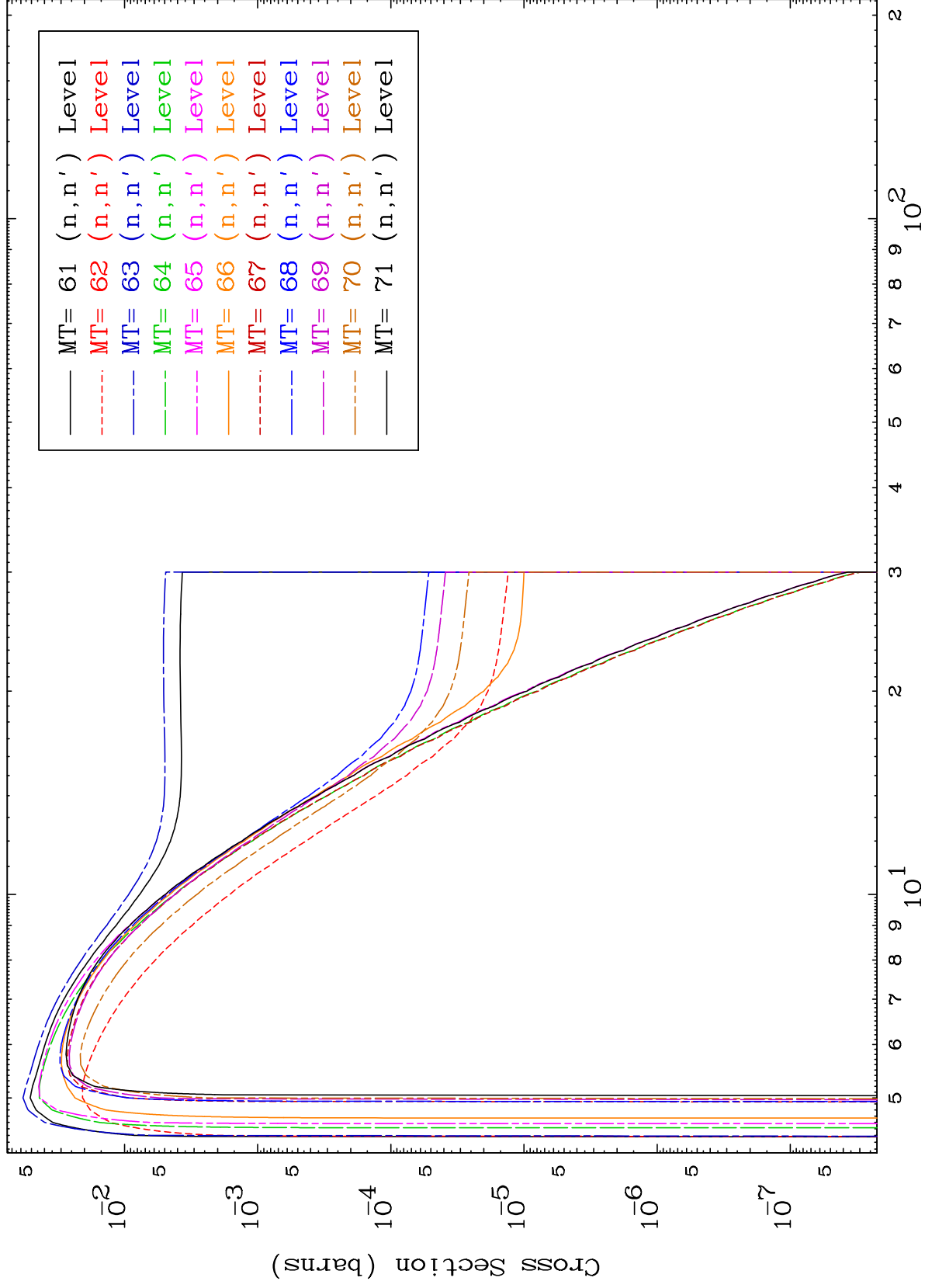


MAT 1731

(n,n') Level

17-Cl-37

293 Kelvin Cross Sections



8

Incident Energy (MeV)

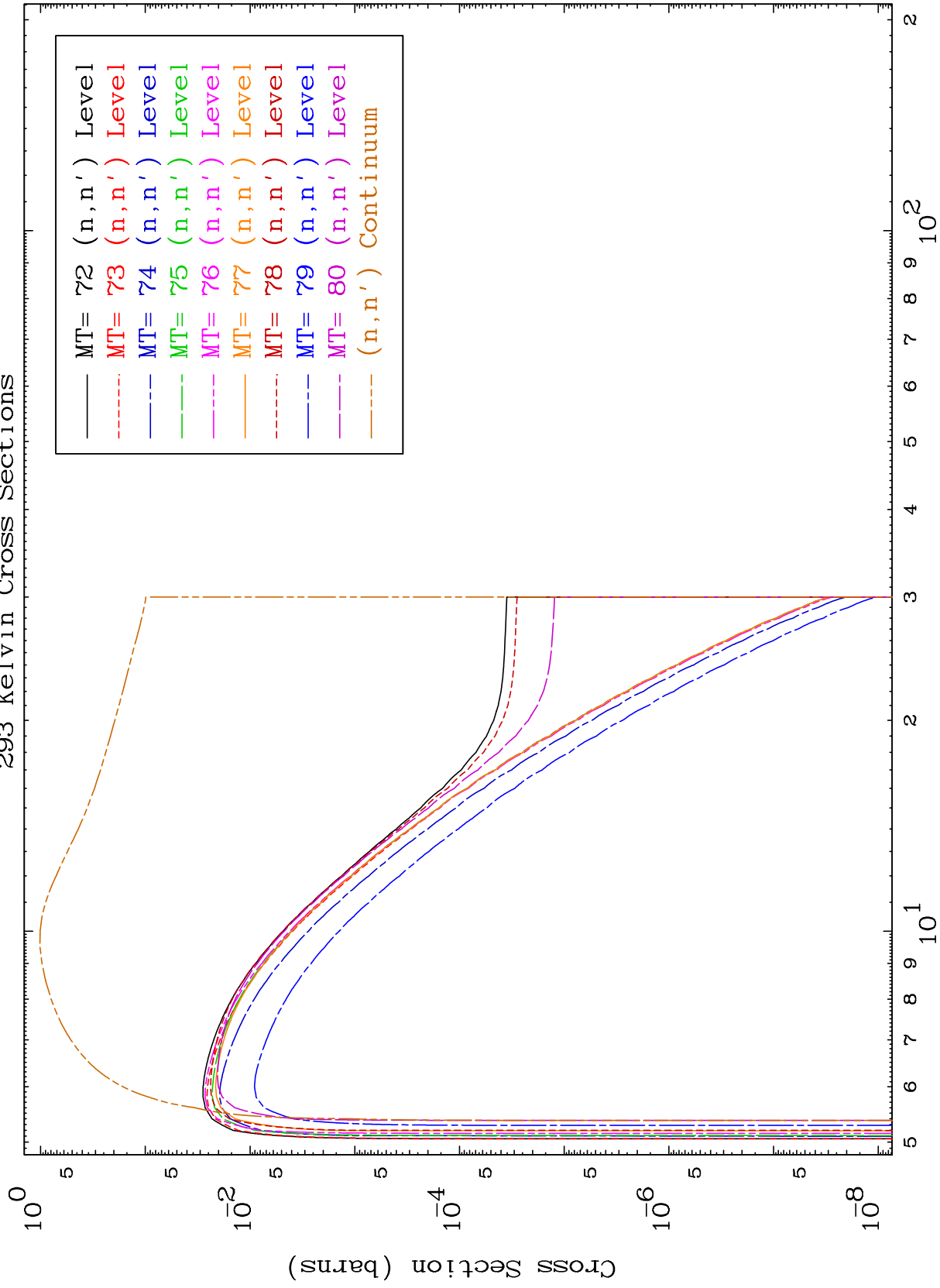
17-Cl-37

MAT 1731

(n,n') Level

17-Cl-37

293 Kelvin Cross Sections



9

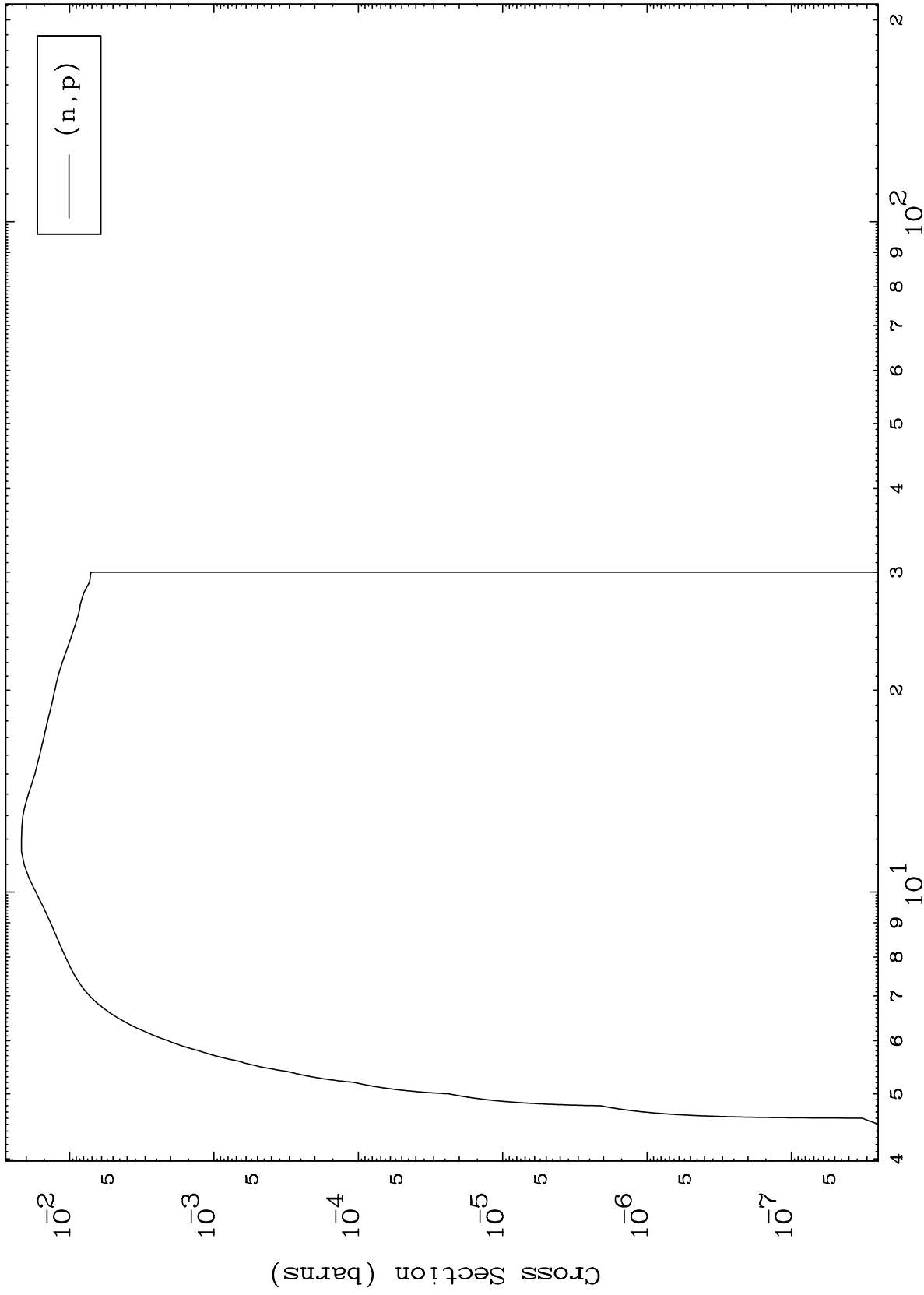
Incident Energy (MeV)

17-Cl-37

MAT 1731

(n,p) Levels  
293 Kelvin Cross Sections

17-Cl-37



10

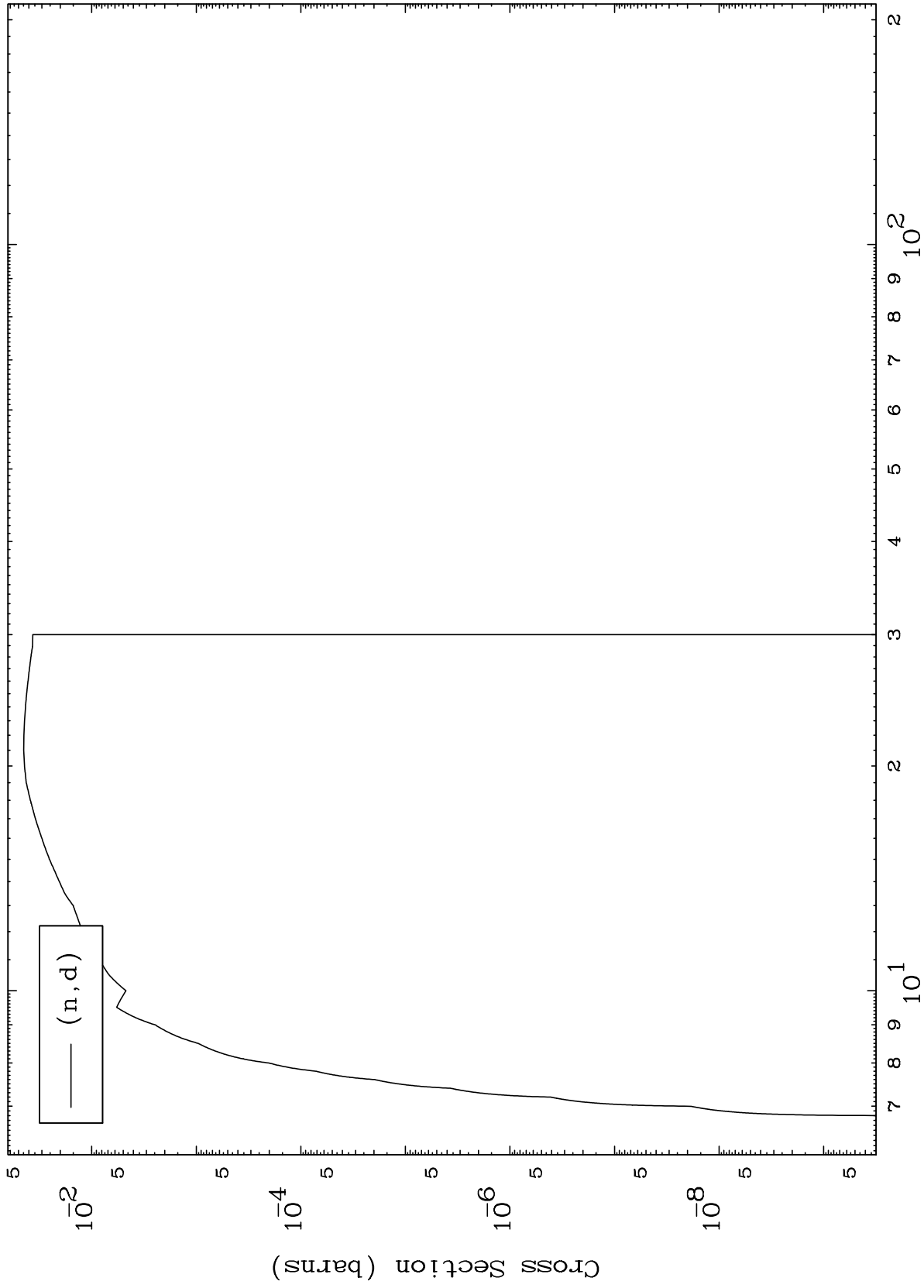
Incident Energy (MeV)

17-Cl-37

MAT 1731

(n,d) Levels  
293 Kelvin Cross Sections

17-Cl-37



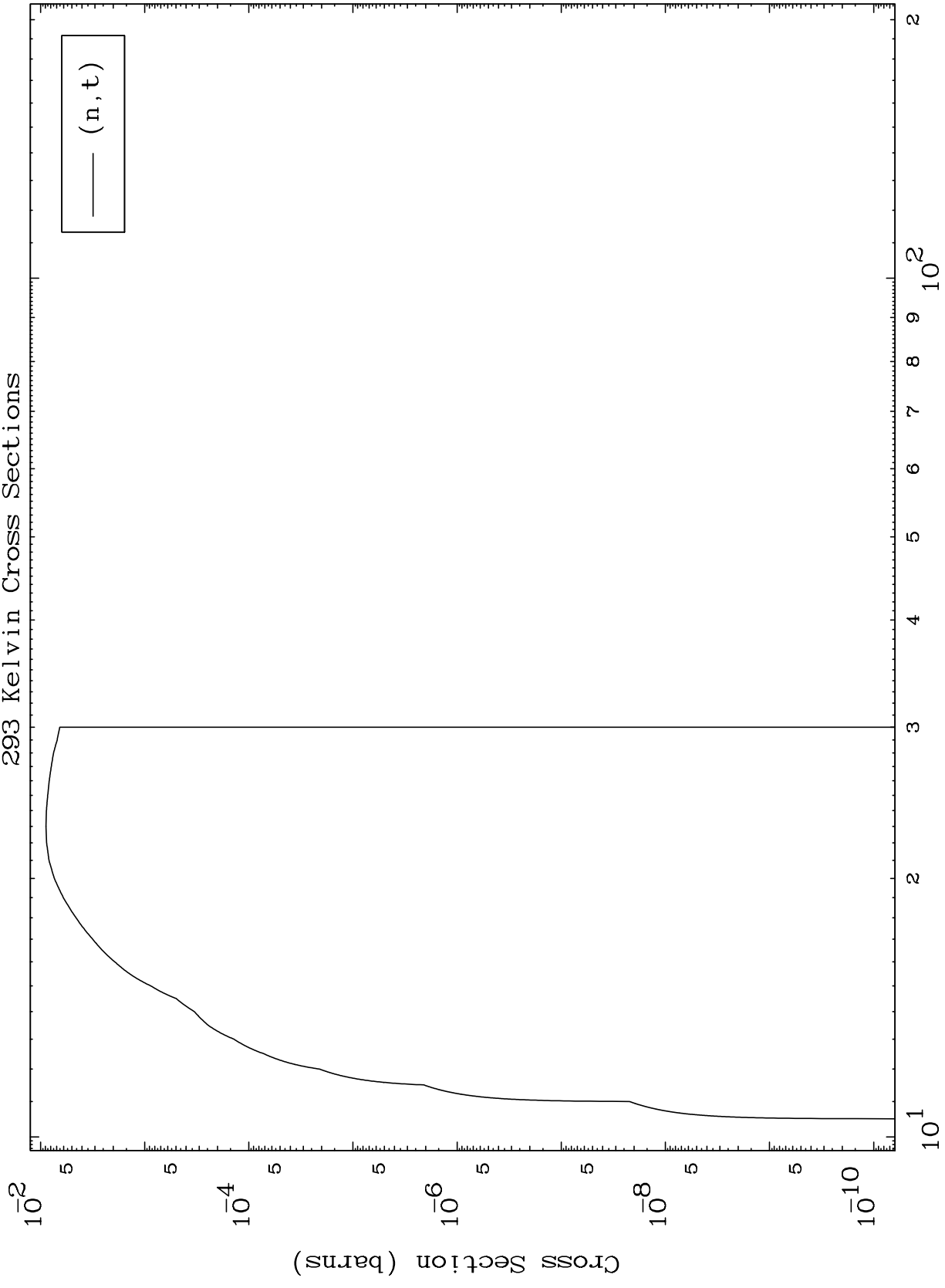
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17-Cl-37

MAT 1731

(n,t) Levels  
293 Kelvin Cross Sections

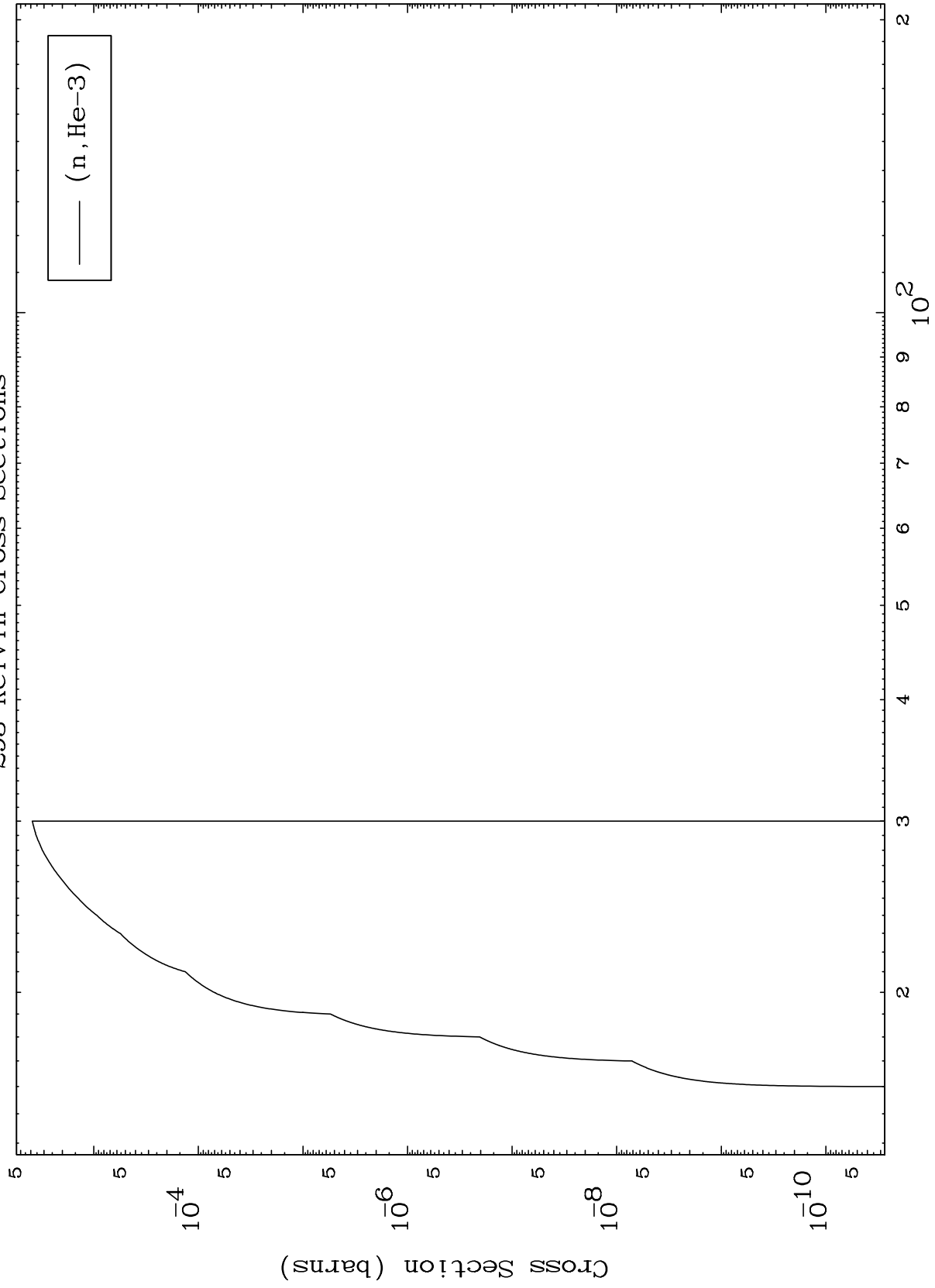
17-Cl-37



12

Incident Energy (MeV)

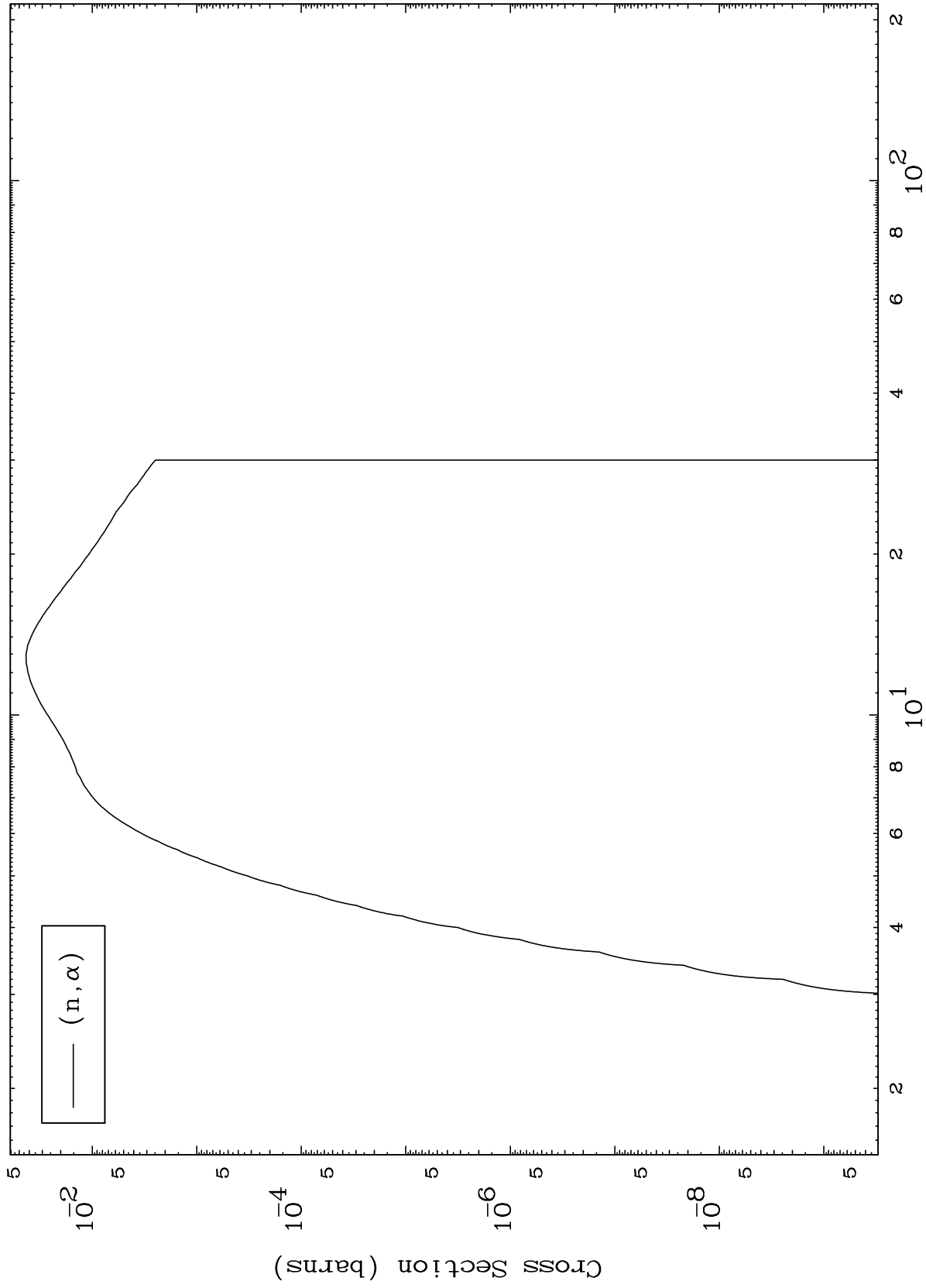
17-Cl-37



MAT 1731

(n,α) Levels  
293 Kelvin Cross Sections

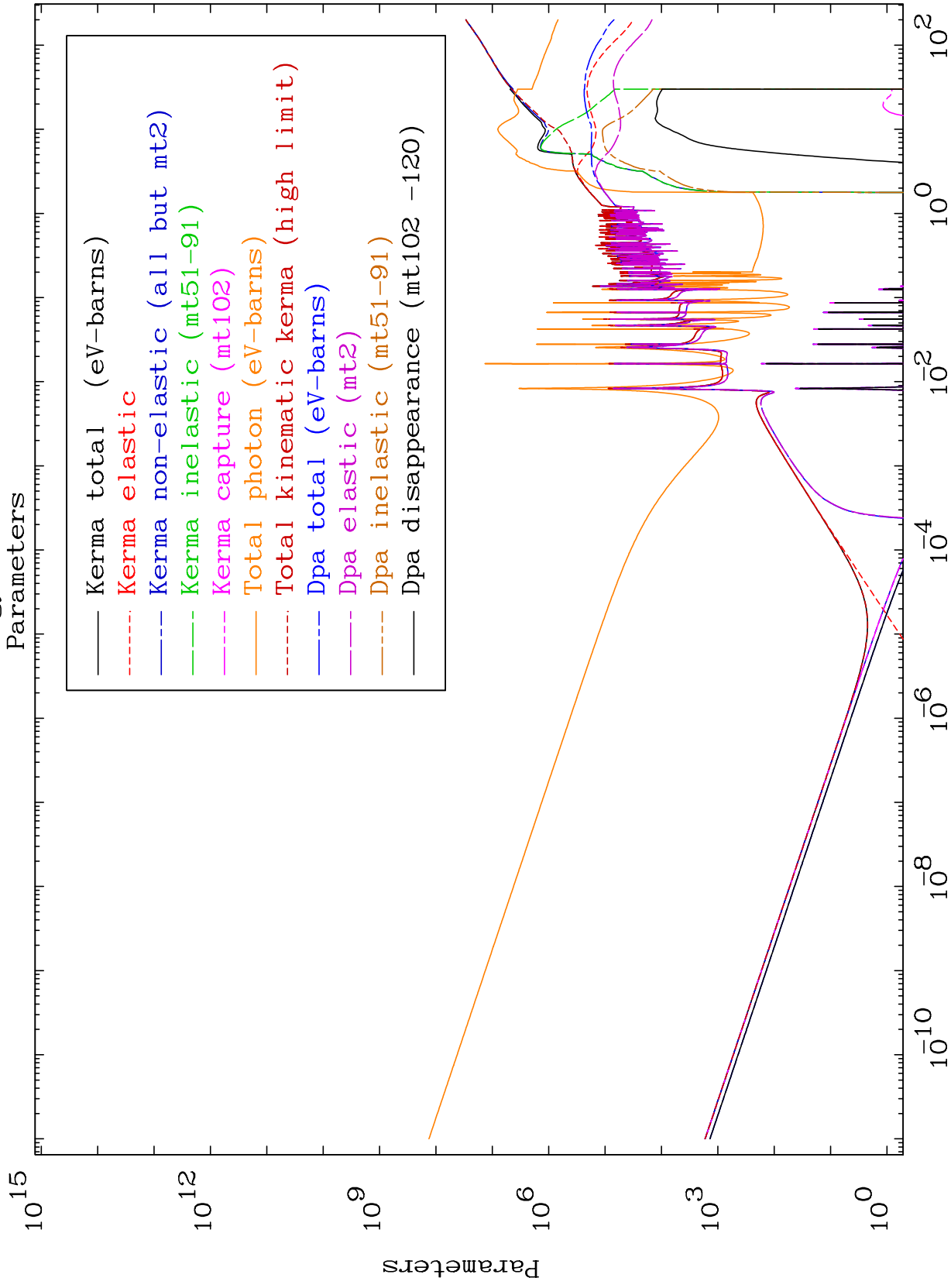
17-Cl-37



14

Incident Energy (MeV)

17-Cl-37

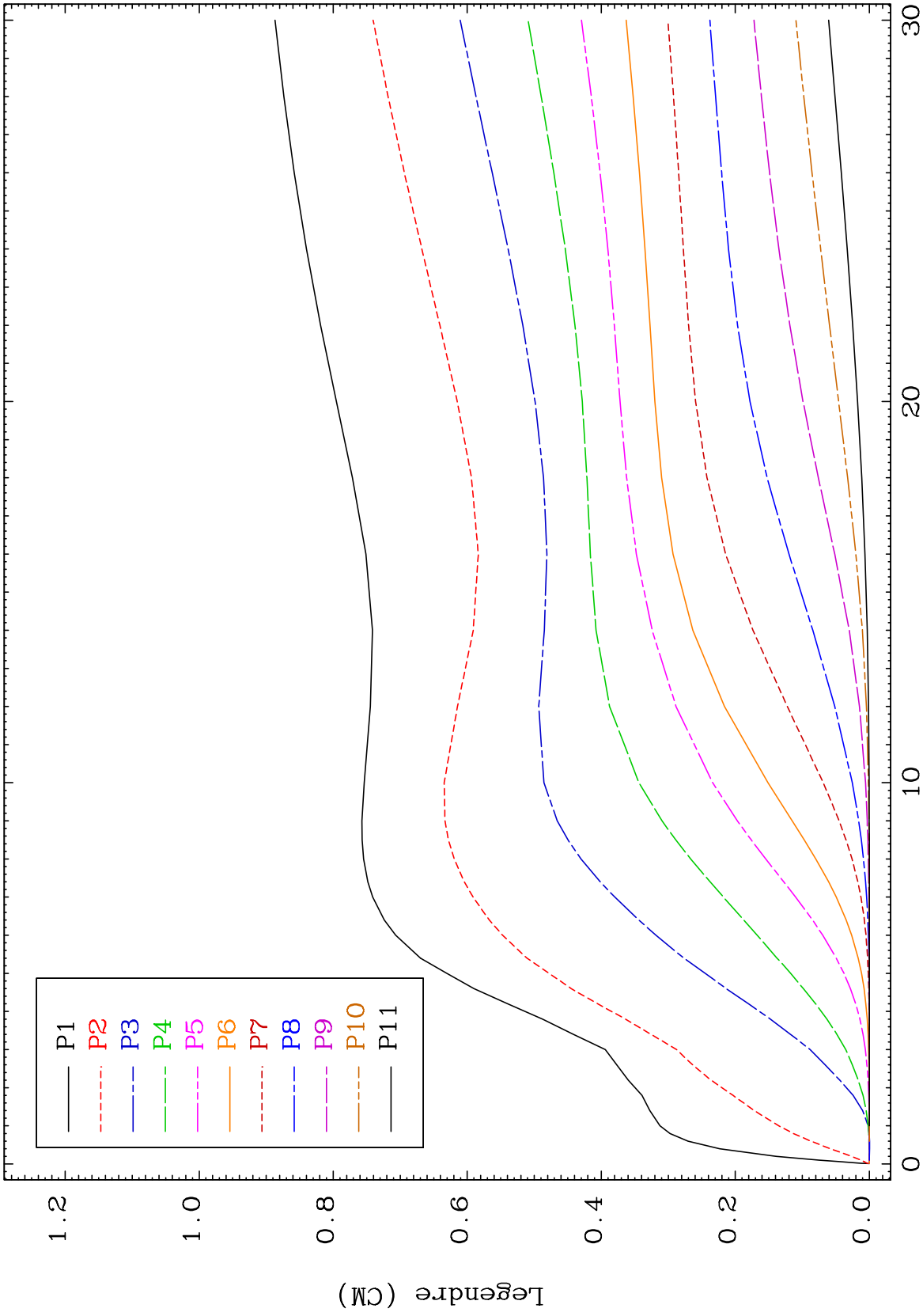




MAT 1731

Elastic Legendre Coefficients

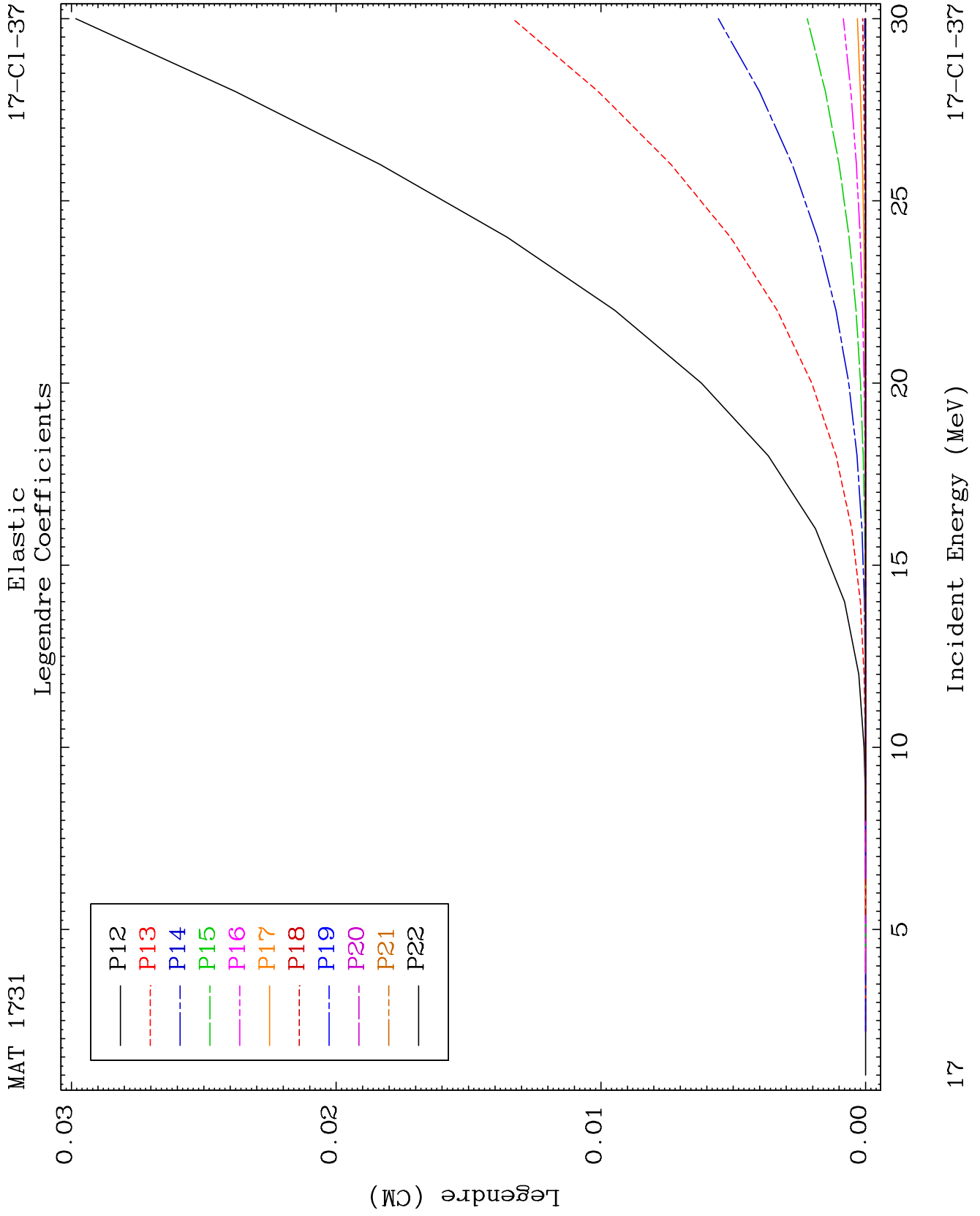
17-Cl-37



16

Incident Energy (MeV)

17-Cl-37

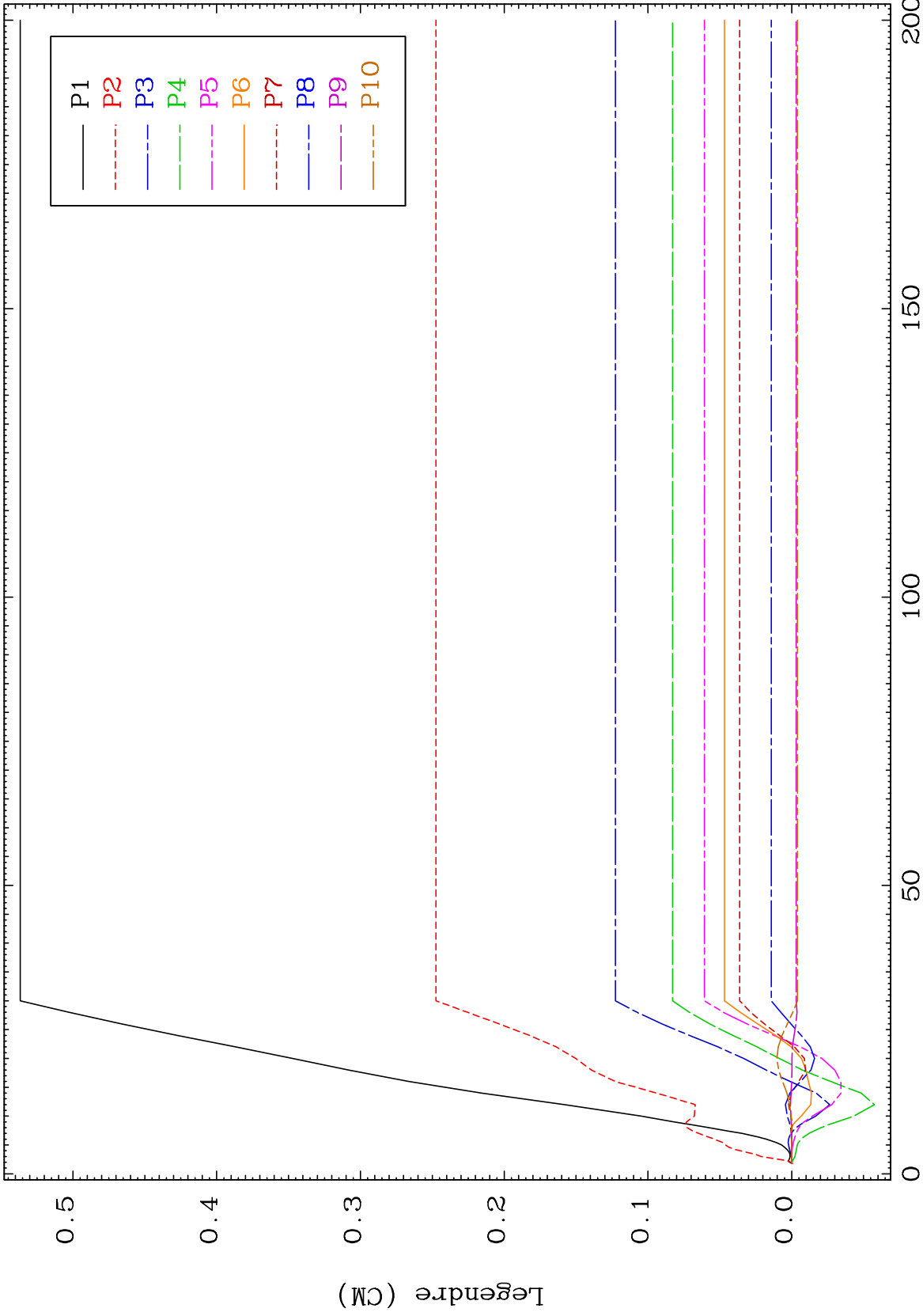




MAT 1731

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

17-Cl-37



19

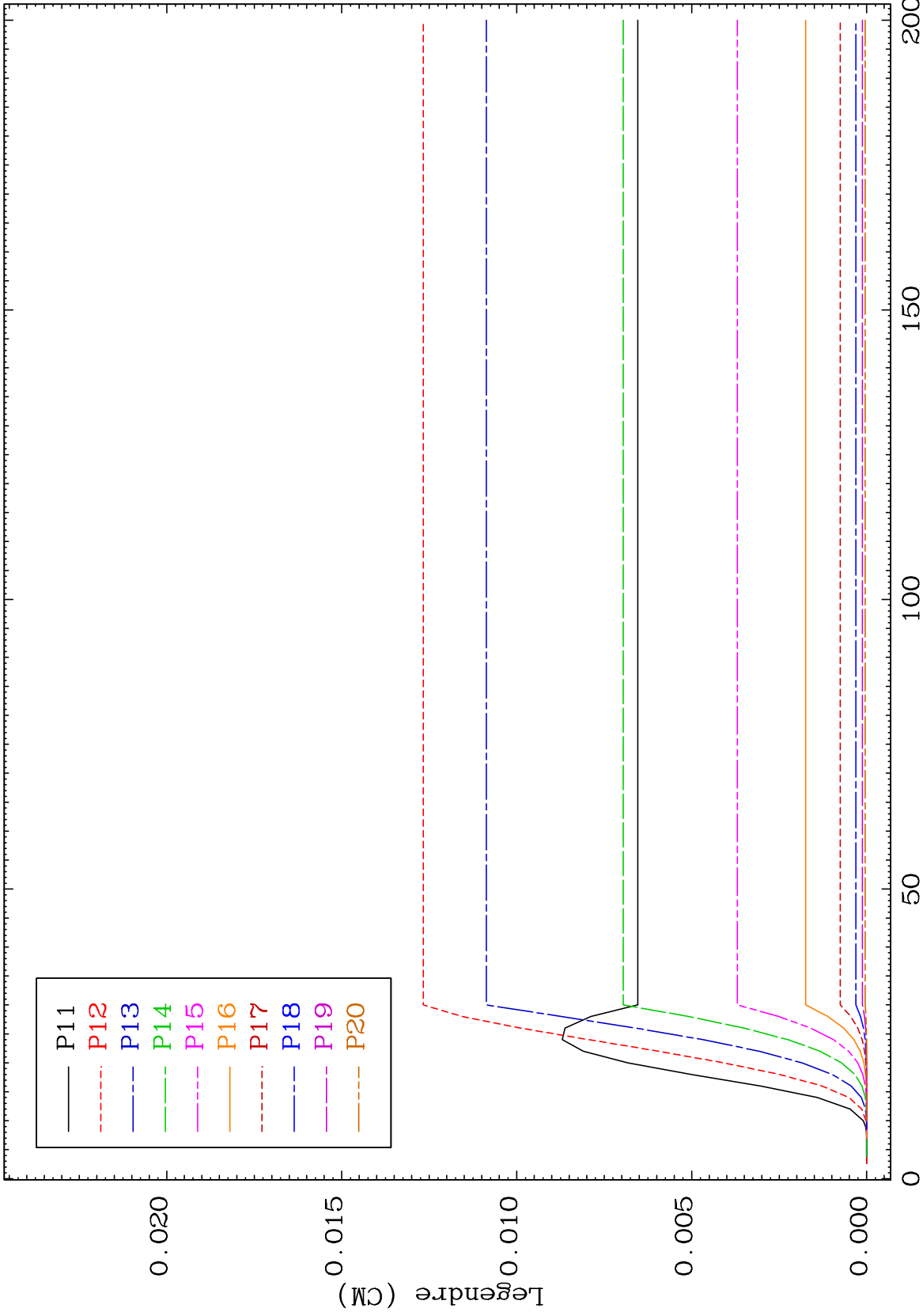
Incident Energy (MeV)

17-Cl-37

MAT 1731

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

17-Cl-37



20

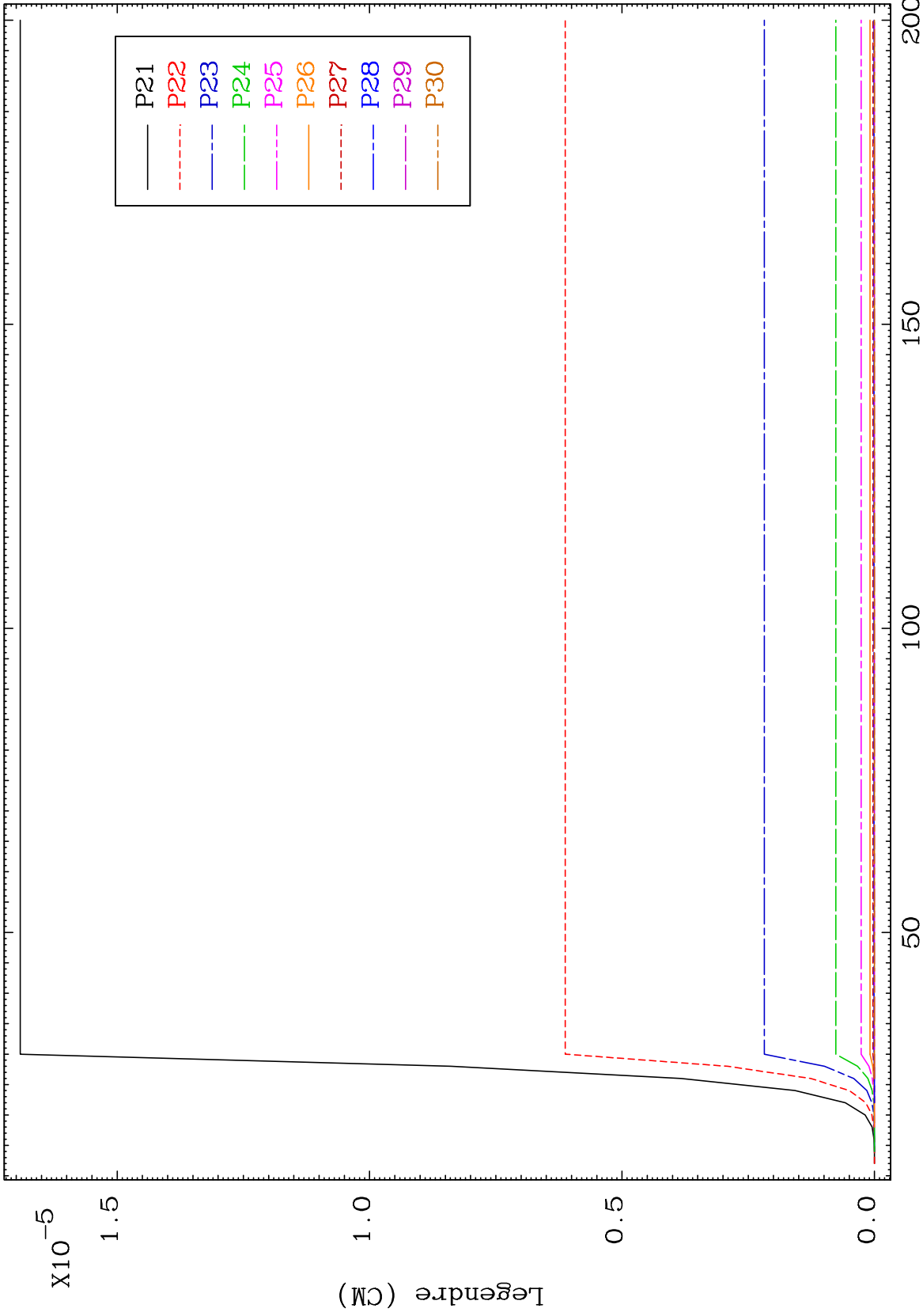
Incident Energy (MeV)

17-Cl-37

MAT 1731

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

17-Cl-37



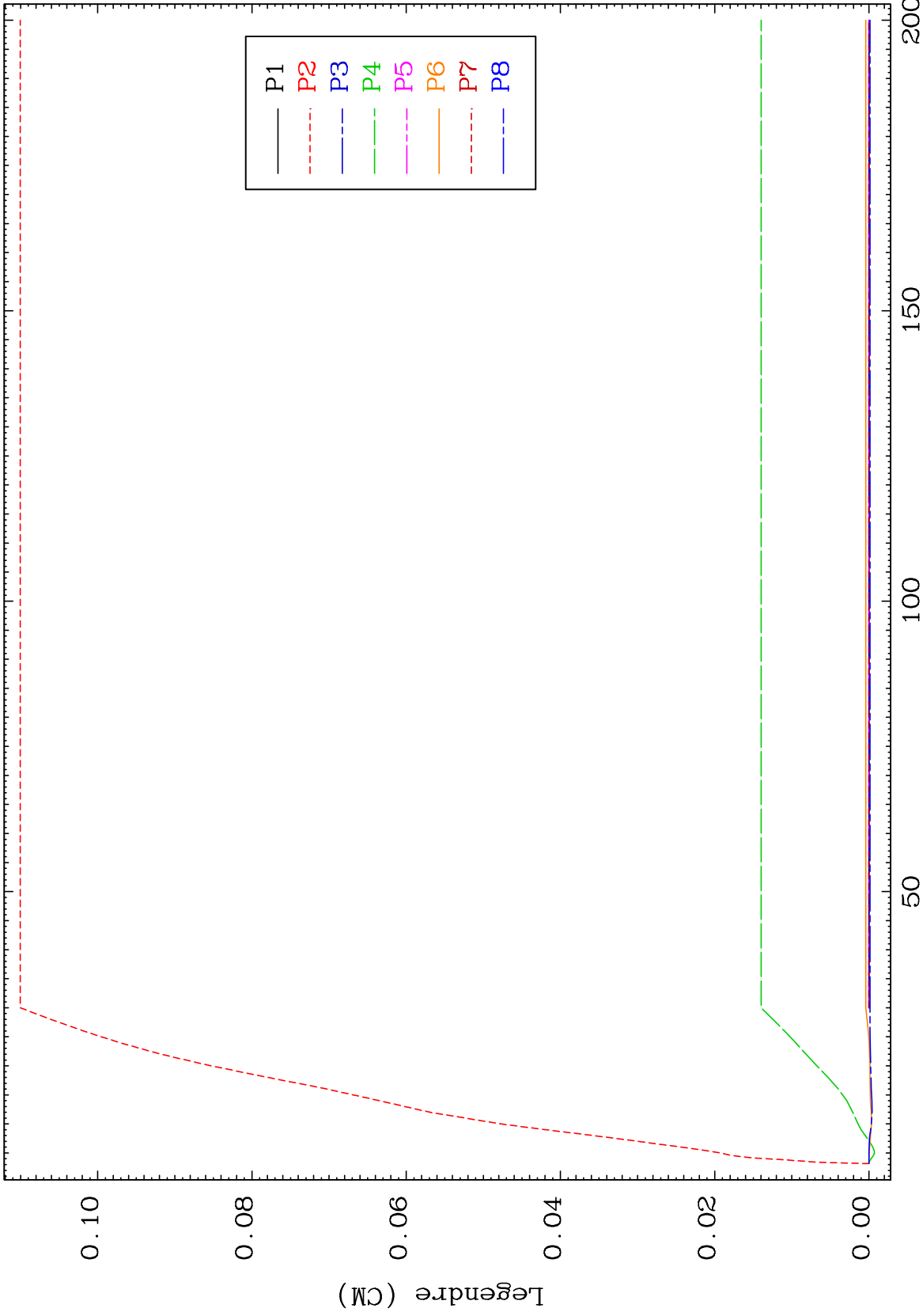
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17-Cl-37

MAT 1731

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

17-Cl-37



22

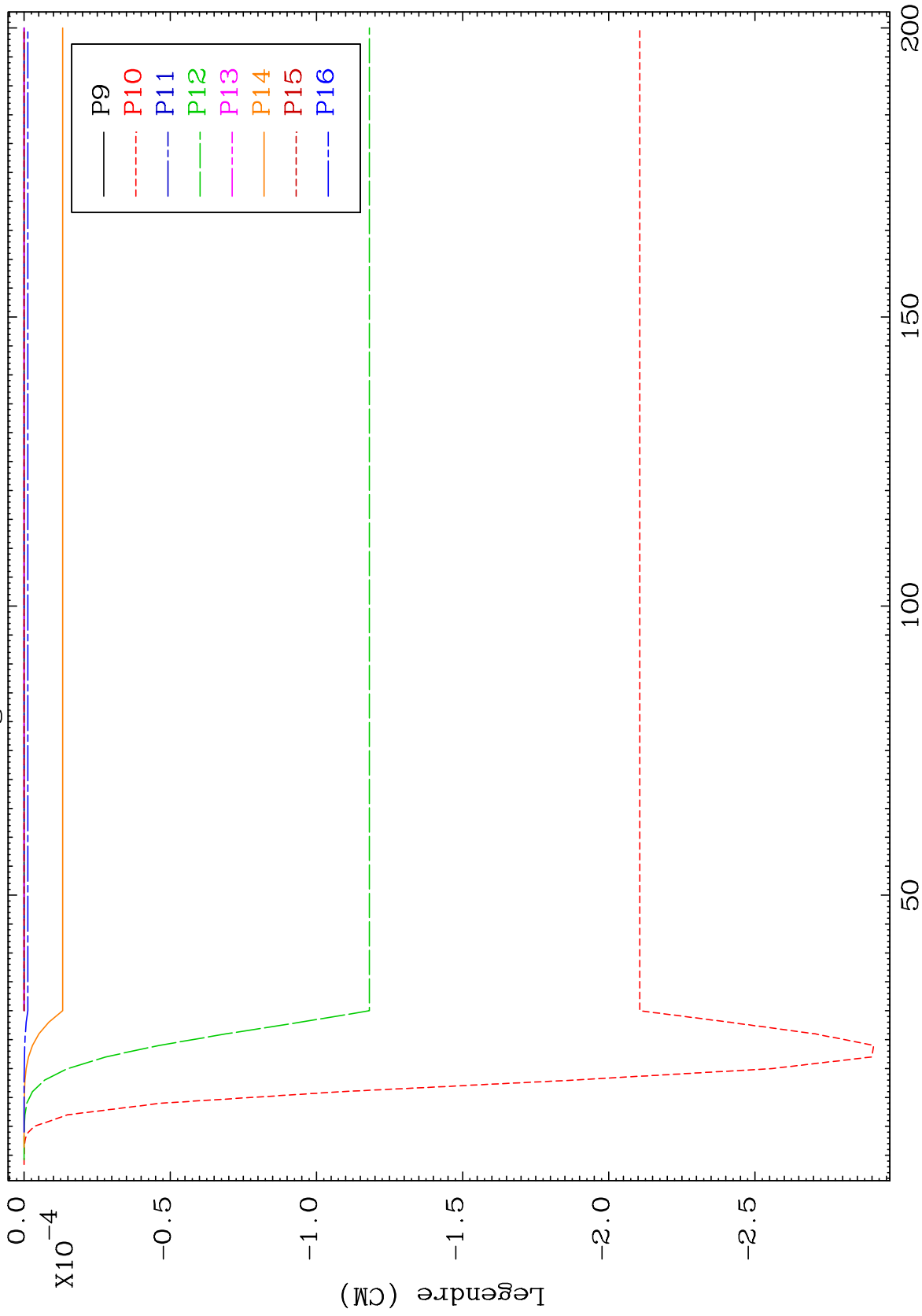
Incident Energy (MeV)

17-Cl-37

MAT 1731

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

17-C1-37



23

Incident Energy (MeV)

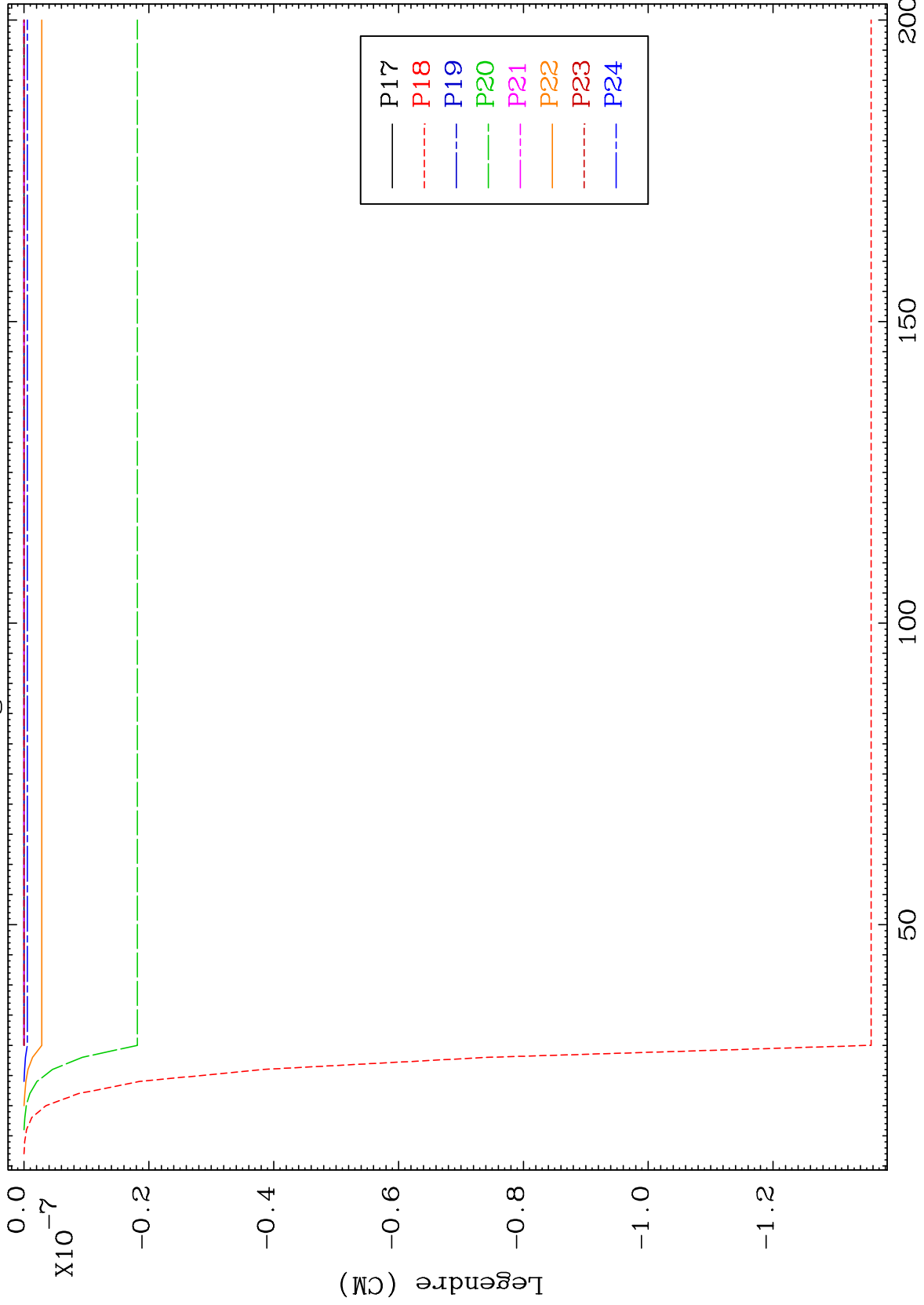
17-C1-37



MAT 1731

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

17-CI-37



17-CI-37

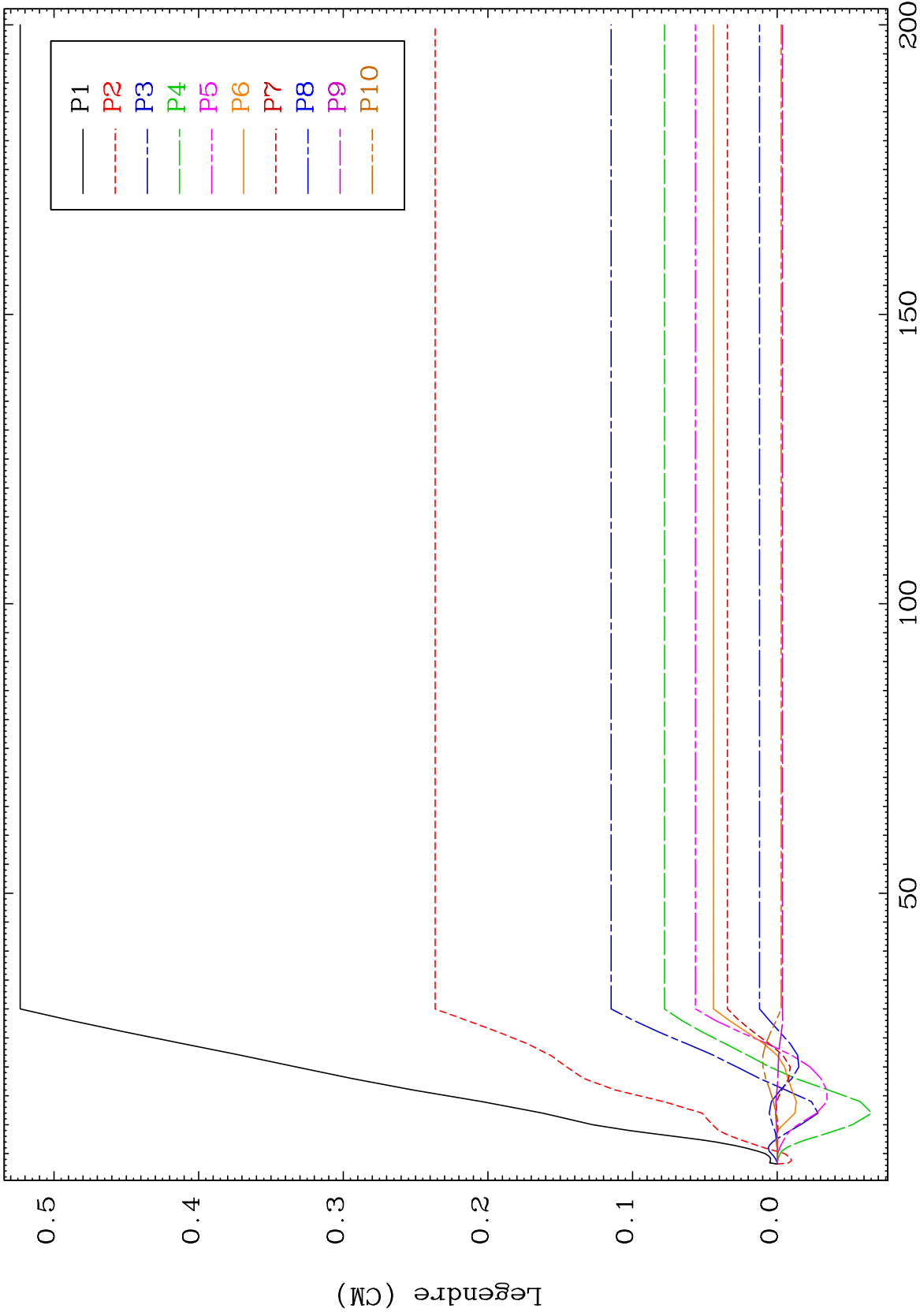
Incident Energy (MeV)

24

MAT 1731

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

17-Cl-37



25

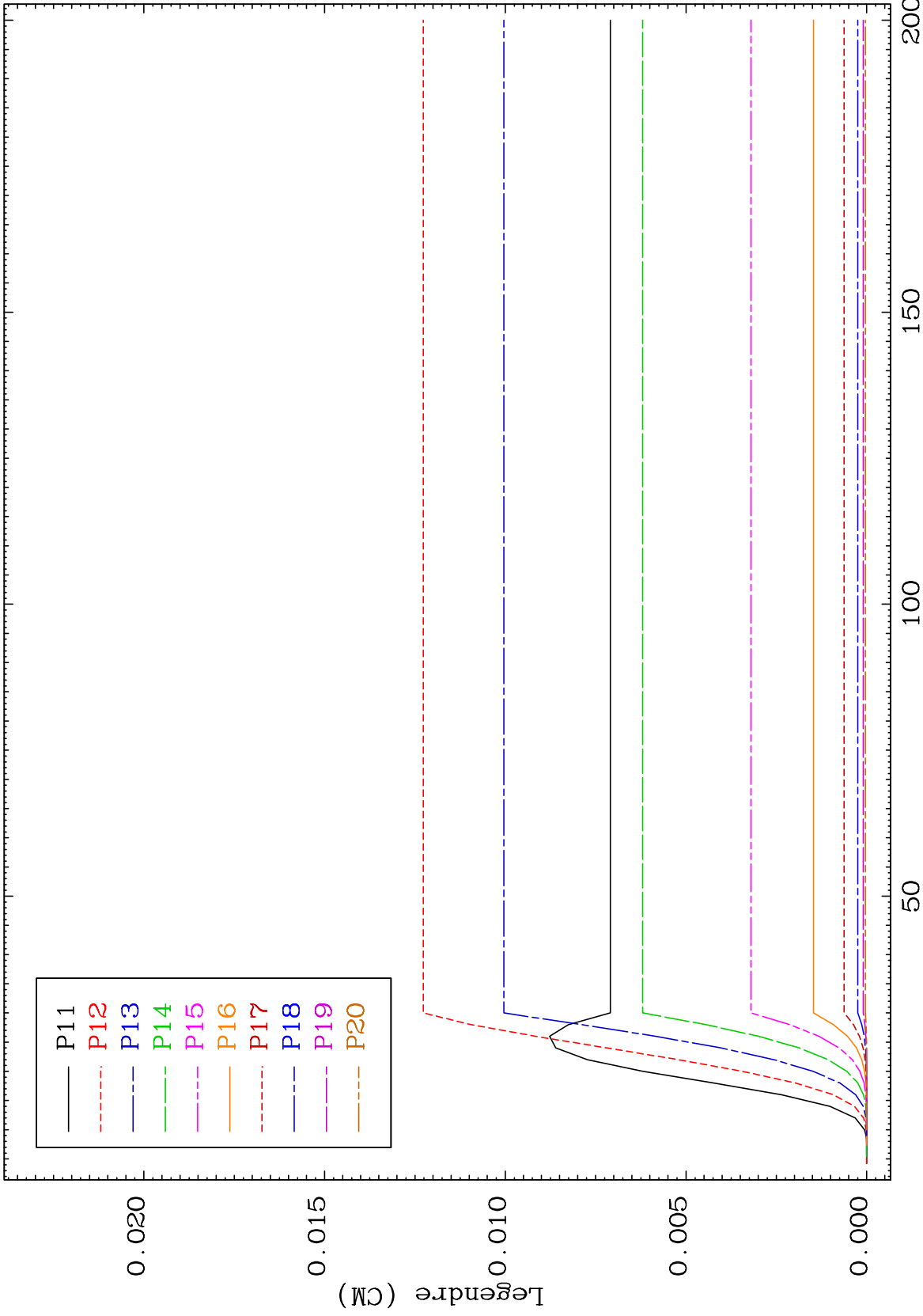
Incident Energy (MeV)

17-Cl-37

MAT 1731

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

17-Cl-37



26

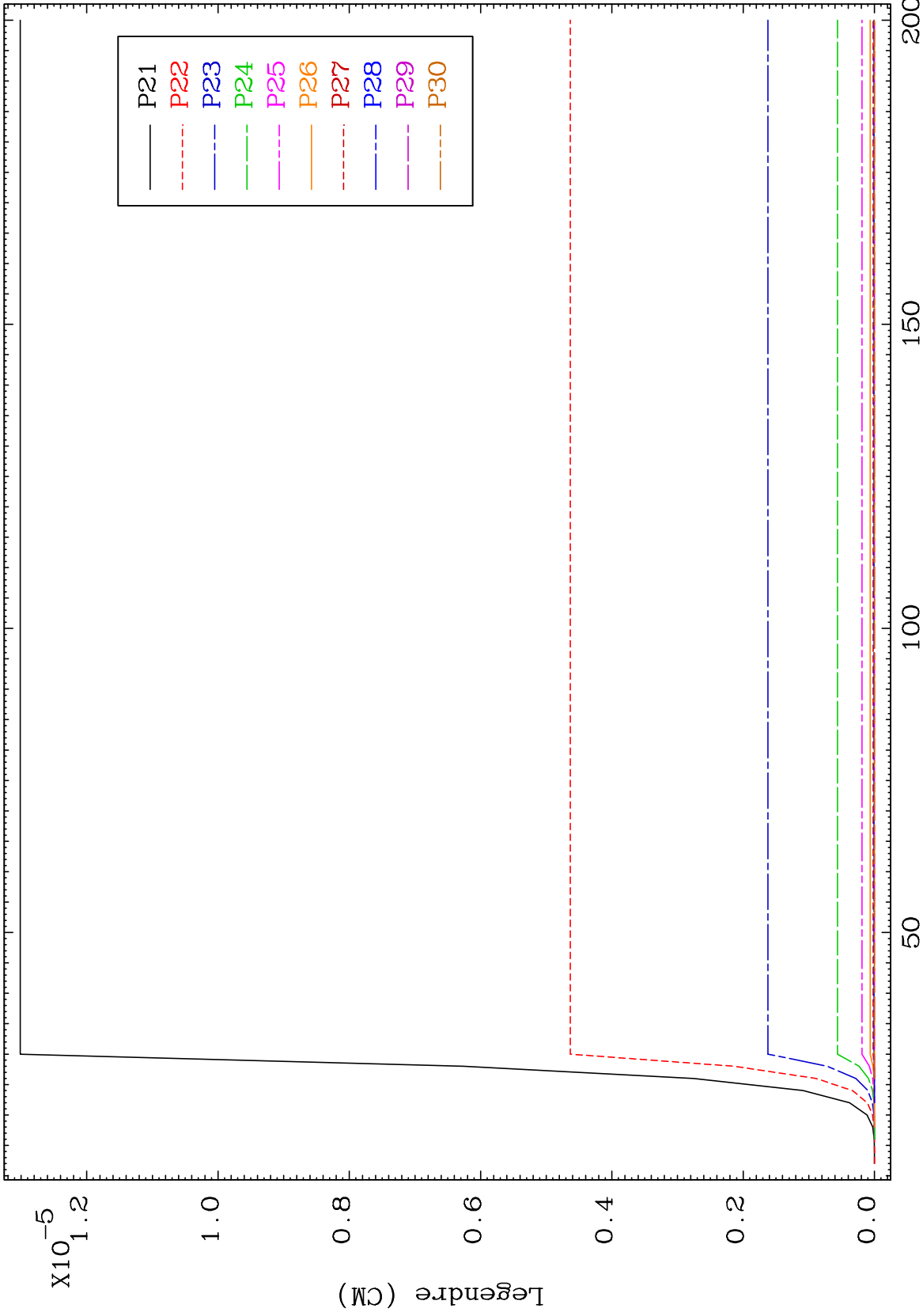
Incident Energy (MeV)

17-Cl-37

MAT 1731

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

17-Cl-37



27

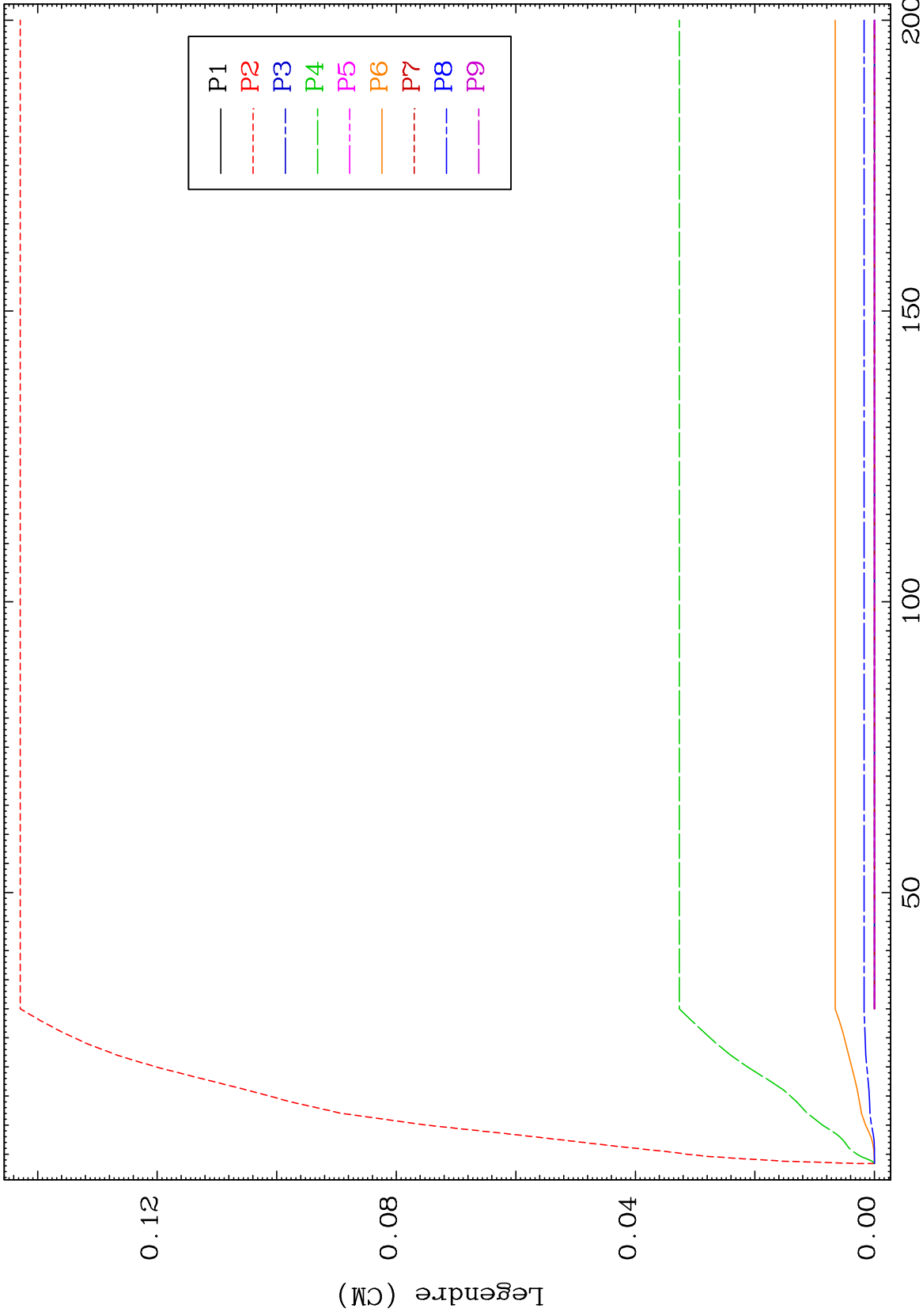
Incident Energy (MeV)

17-Cl-37

MAT 1731

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

17-Cl-37



28

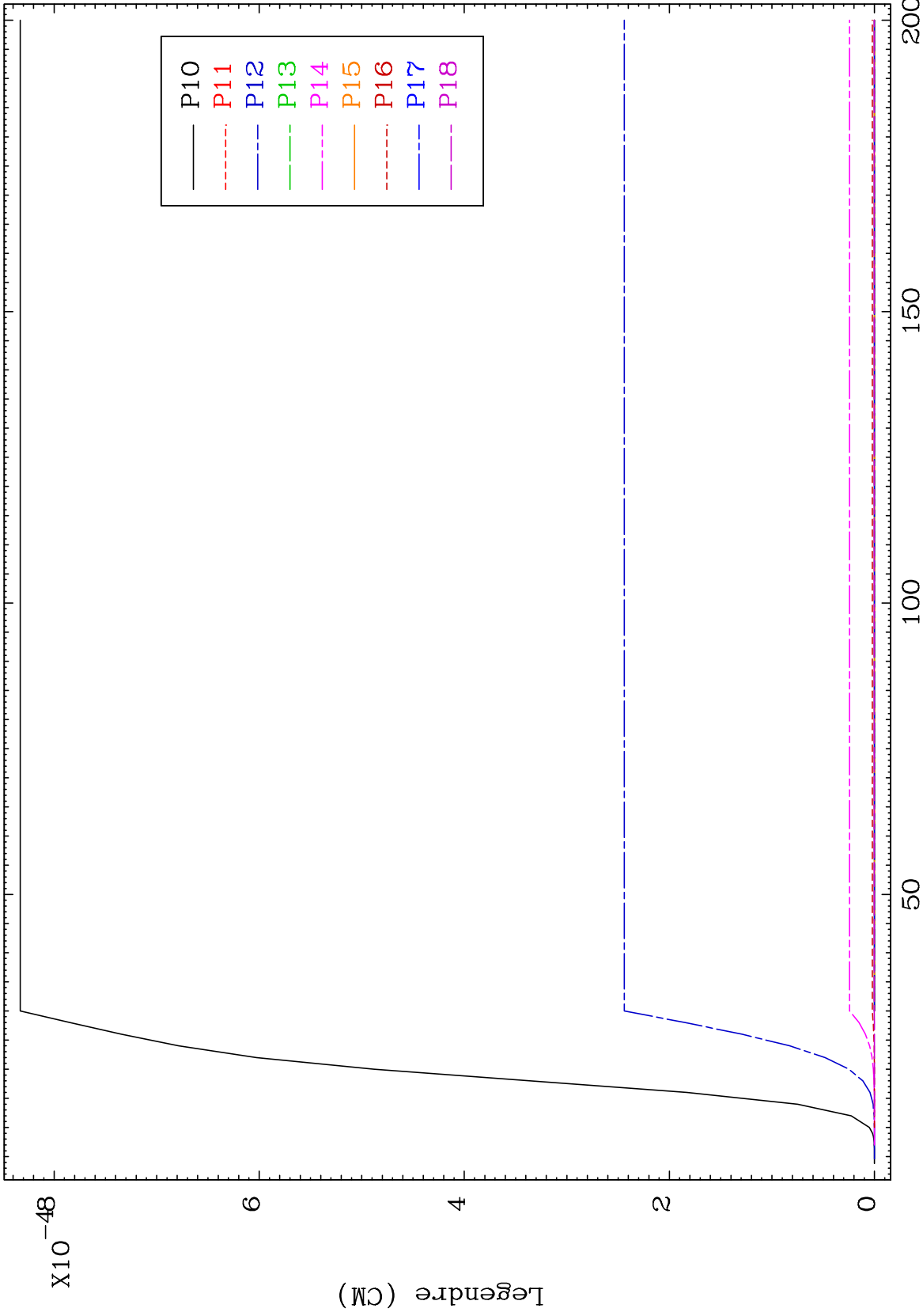
Incident Energy (MeV)

17-Cl-37

MAT 1731

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

17-Cl-37

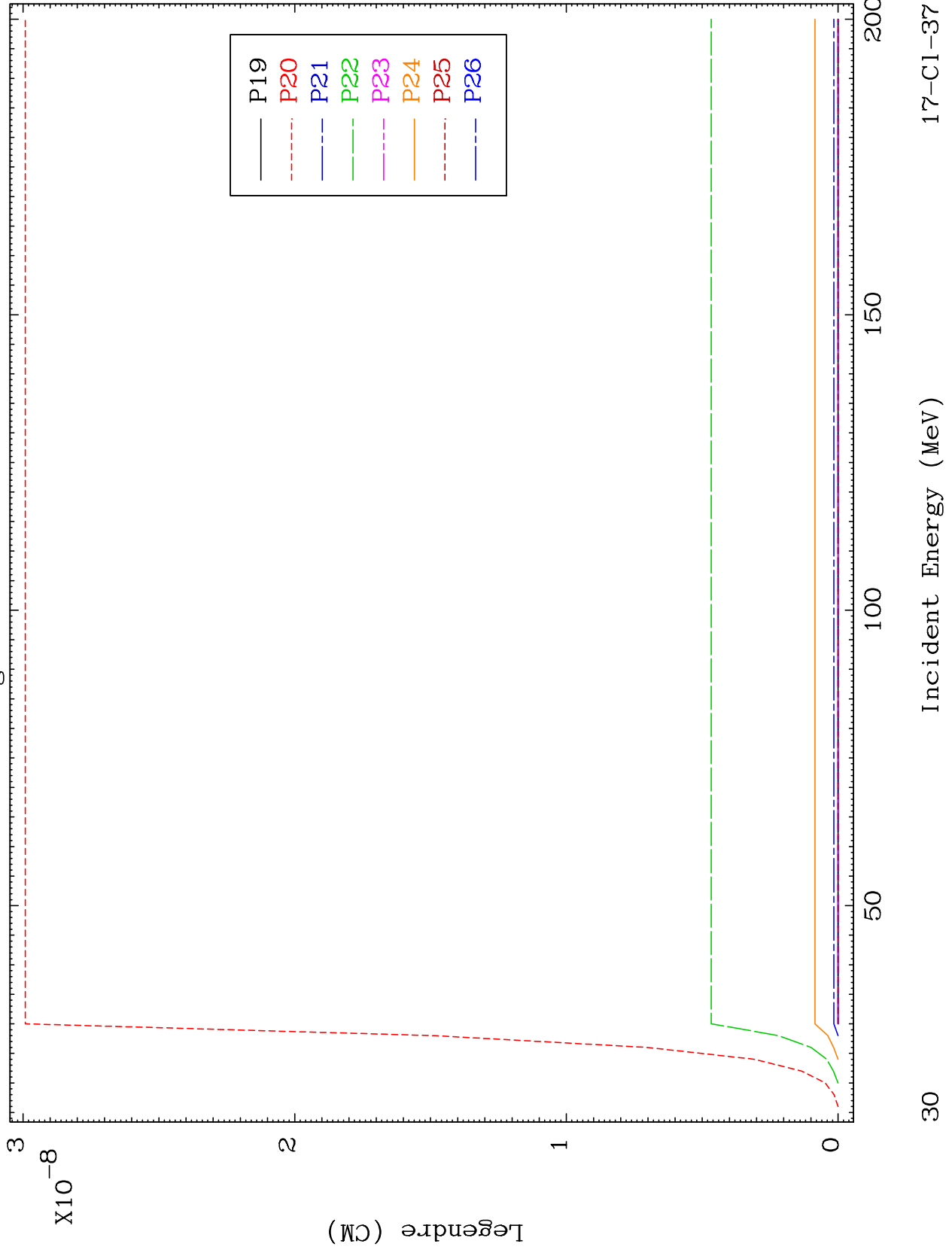


29

Incident Energy (MeV)

17-Cl-37

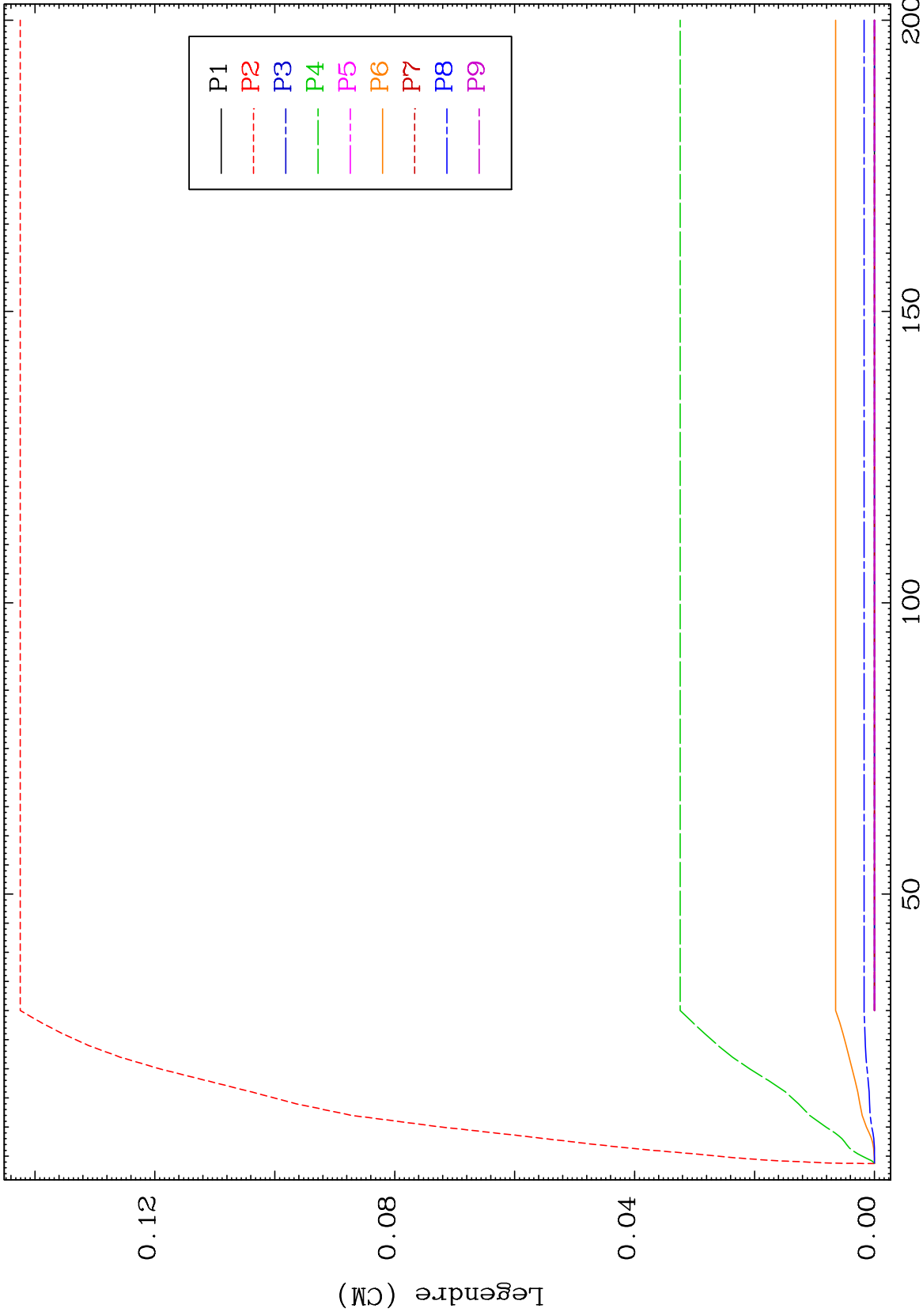
MAT 1731 MT= 54 (n,n') Level Legendre Coefficients 17-Cl-37



MAT 1731

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

17-Cl-37



31

Incident Energy (MeV)

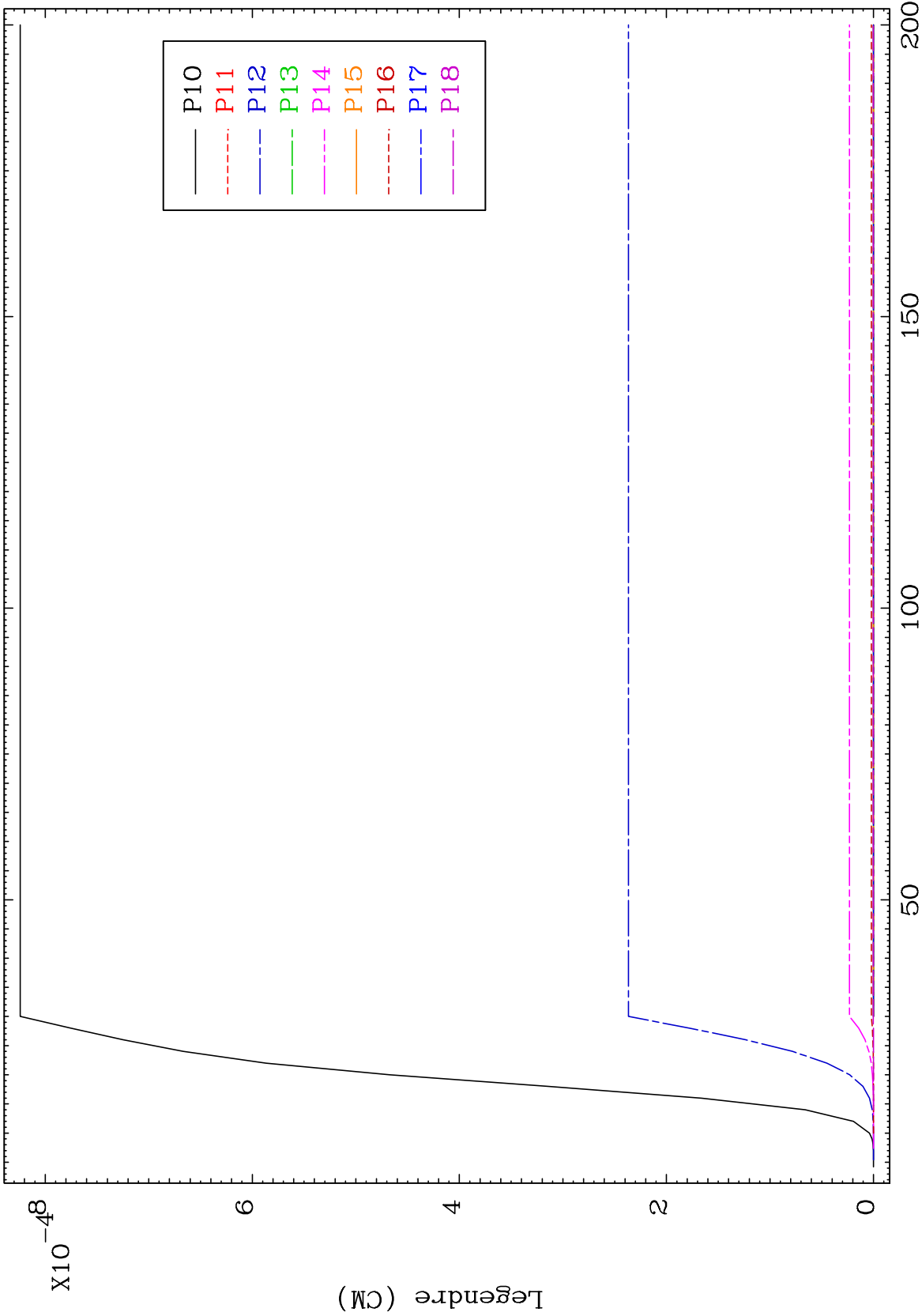
17-Cl-37



MAT 1731

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

17-CI-37



32

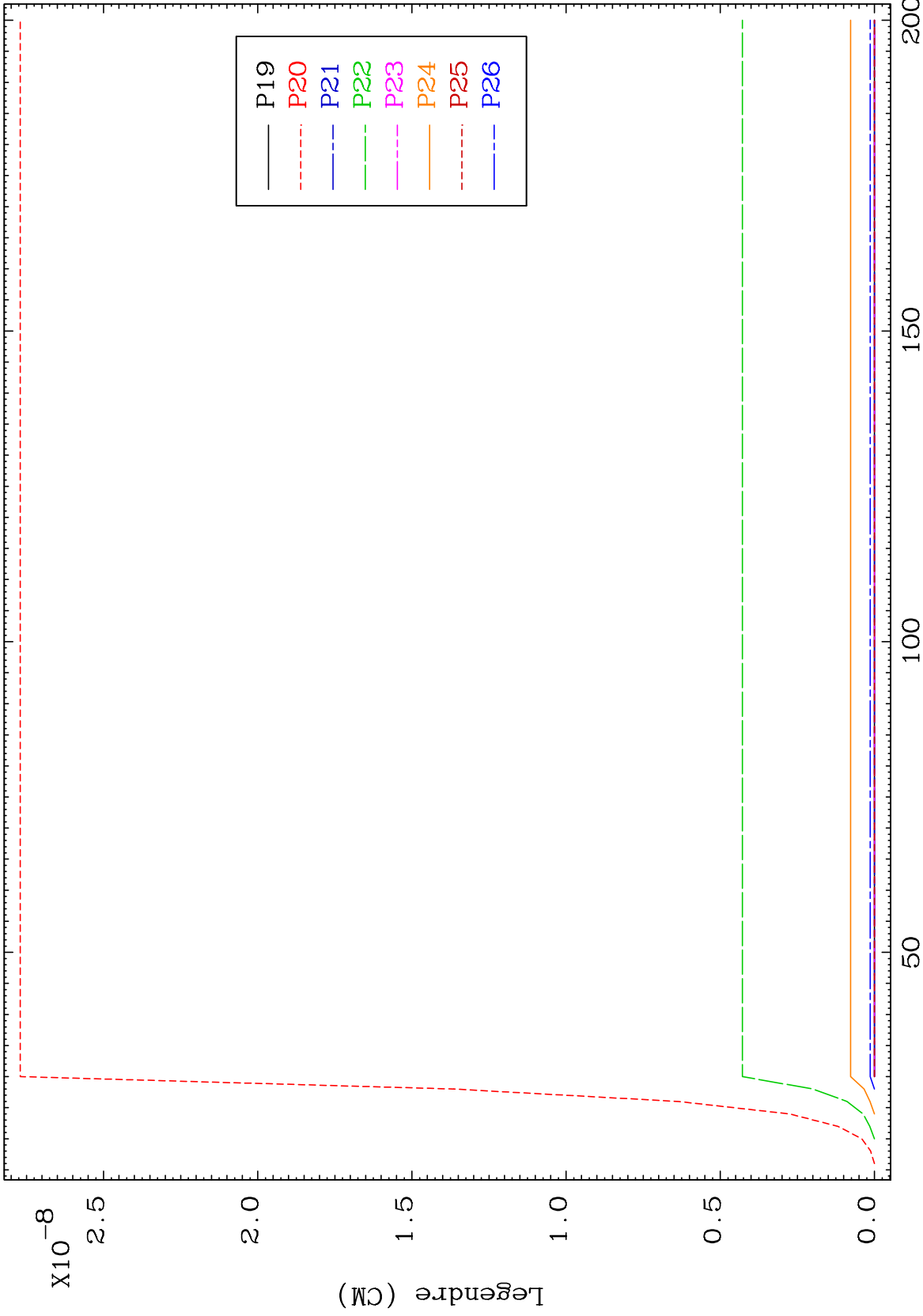
Incident Energy (MeV)

17-CI-37

MAT 1731

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

17-Cl-37



33

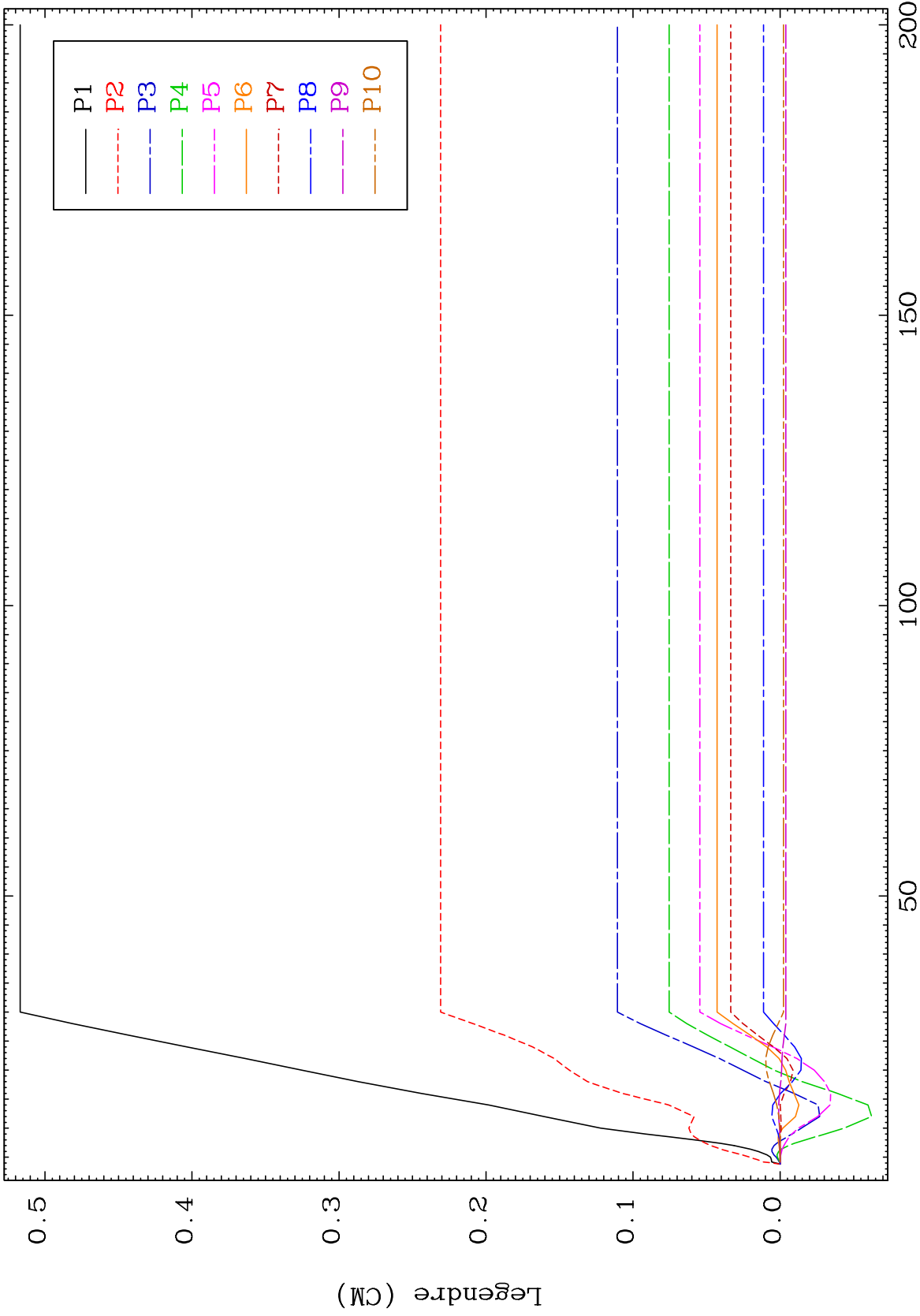
Incident Energy (MeV)

17-Cl-37

MAT 1731

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

17-Cl-37



34

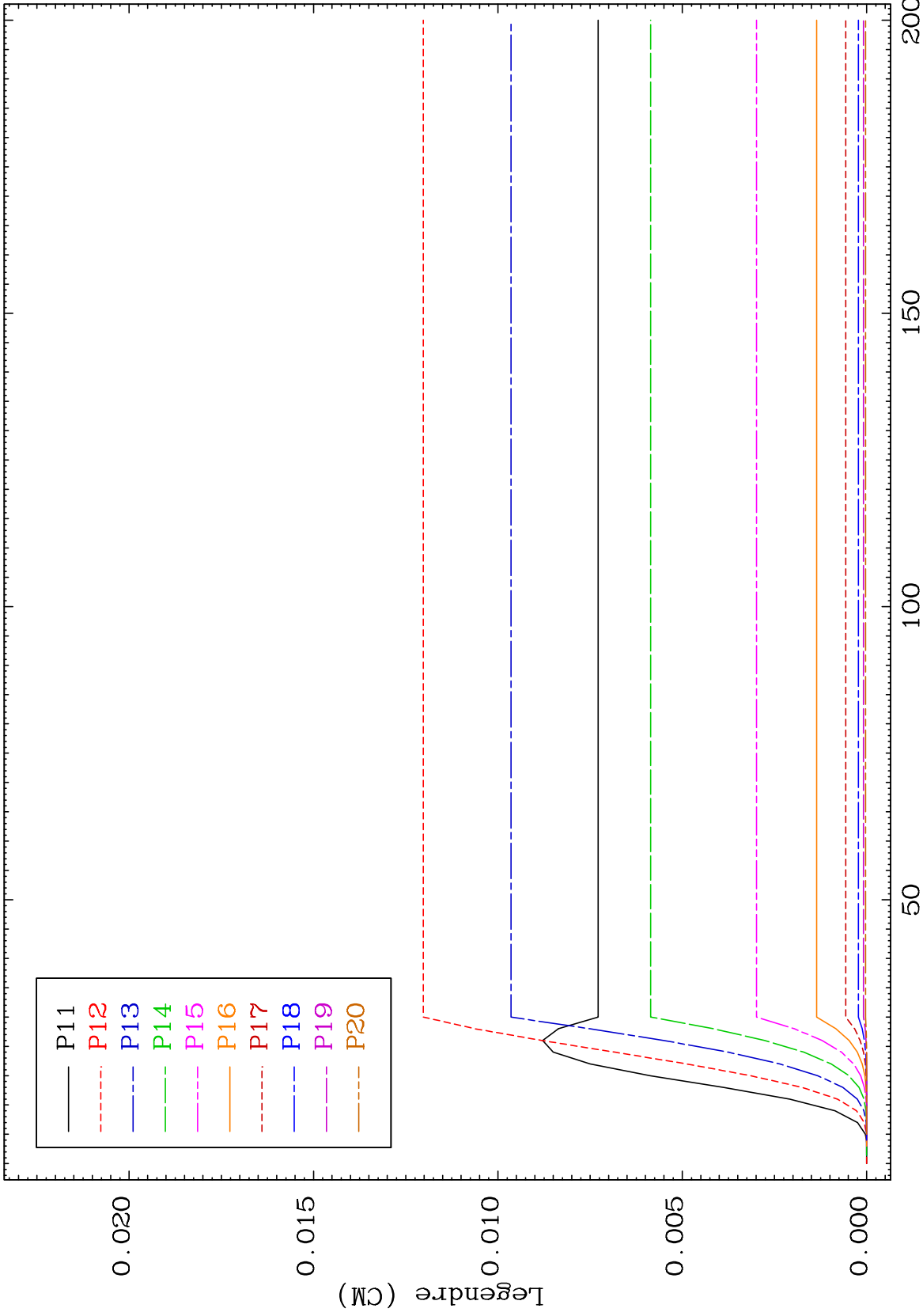
Incident Energy (MeV)

17-Cl-37

MAT 1731

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

17-Cl-37



35

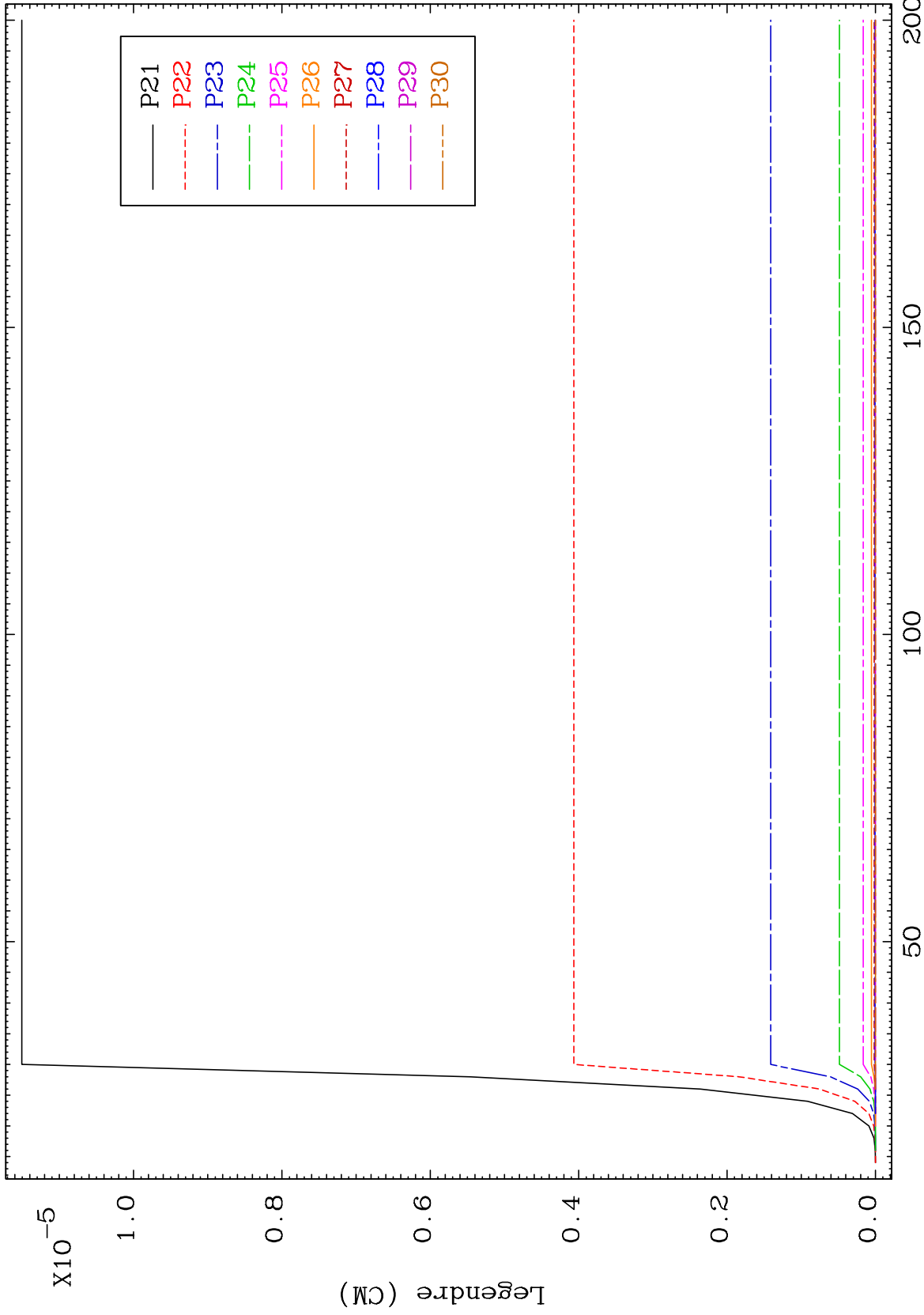
Incident Energy (MeV)

17-Cl-37

MAT 1731

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

17-Cl-37



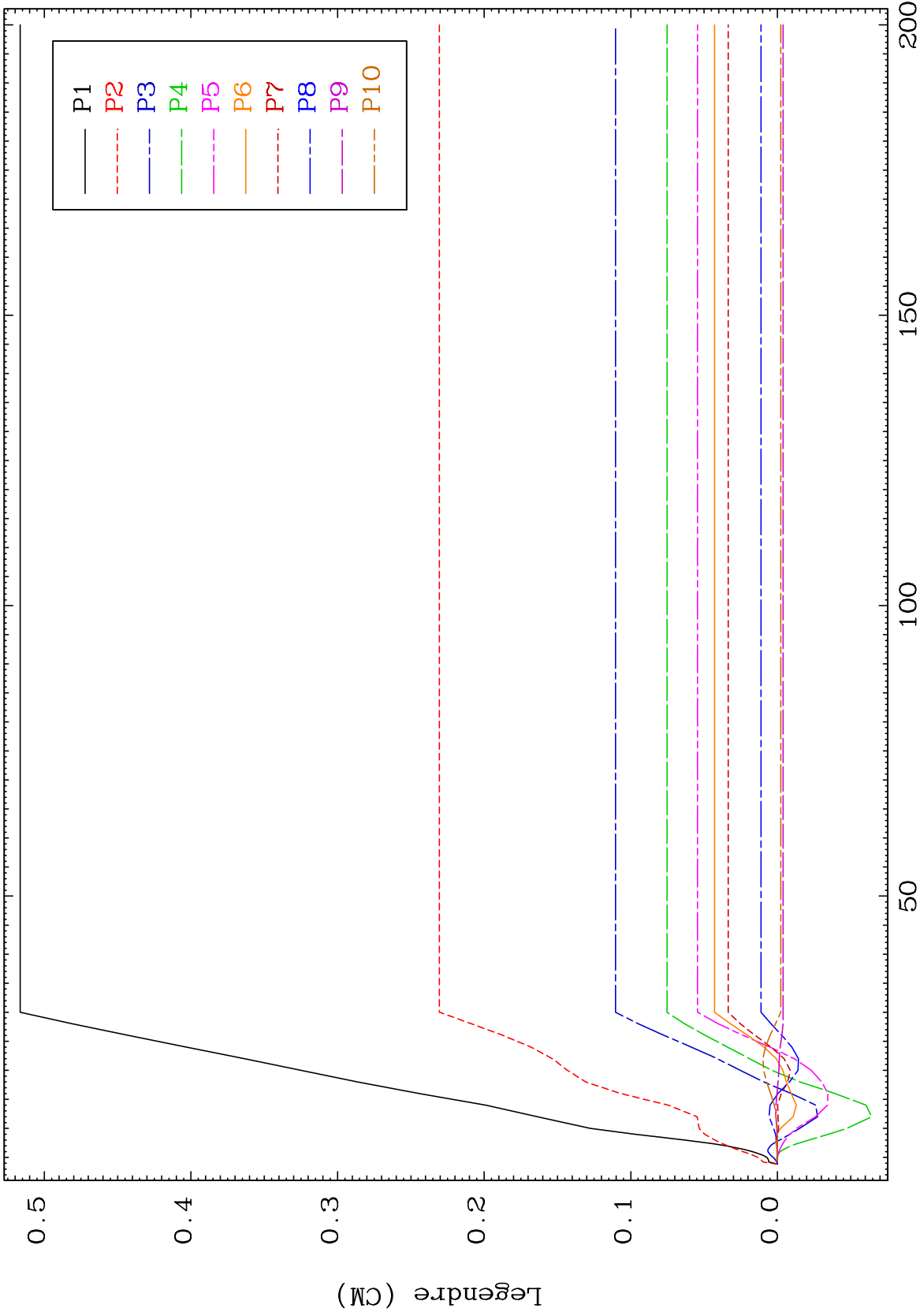
36

17-Cl-37

MAT 1731

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

17-Cl-37



37

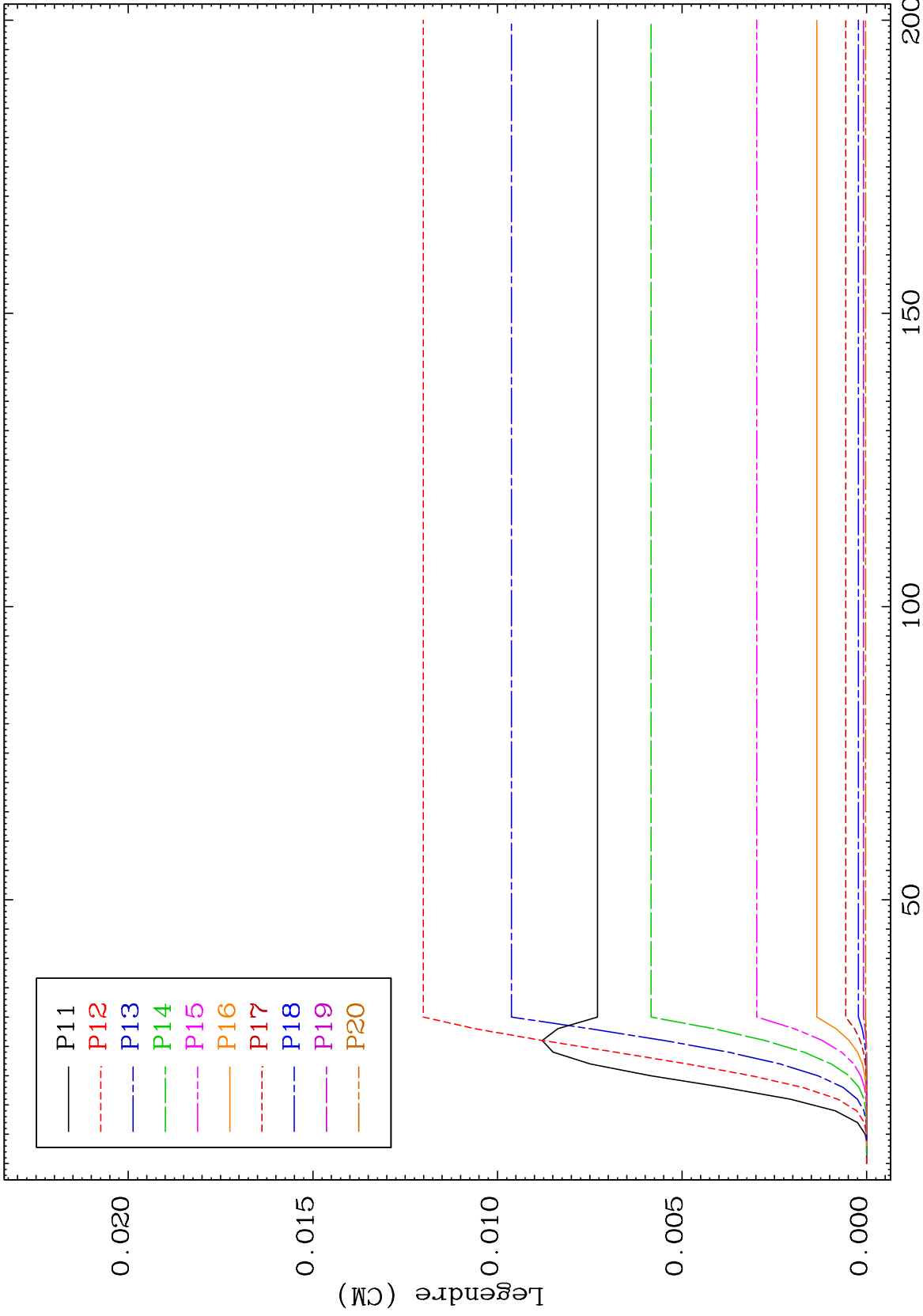
Incident Energy (MeV)

17-Cl-37

MAT 1731

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

17-Cl-37



38

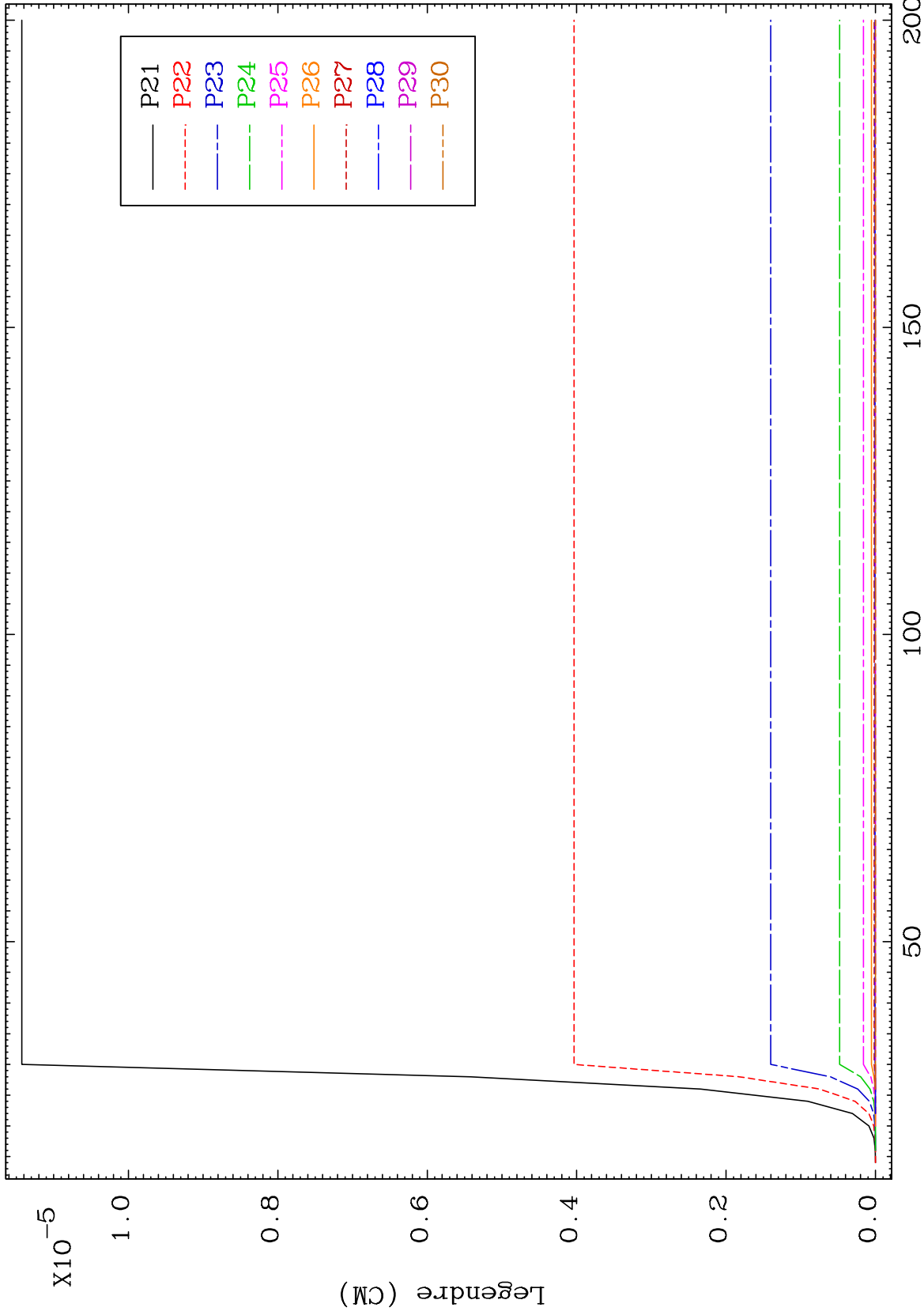
Incident Energy (MeV)

17-Cl-37

MAT 1731

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

17-Cl-37



39

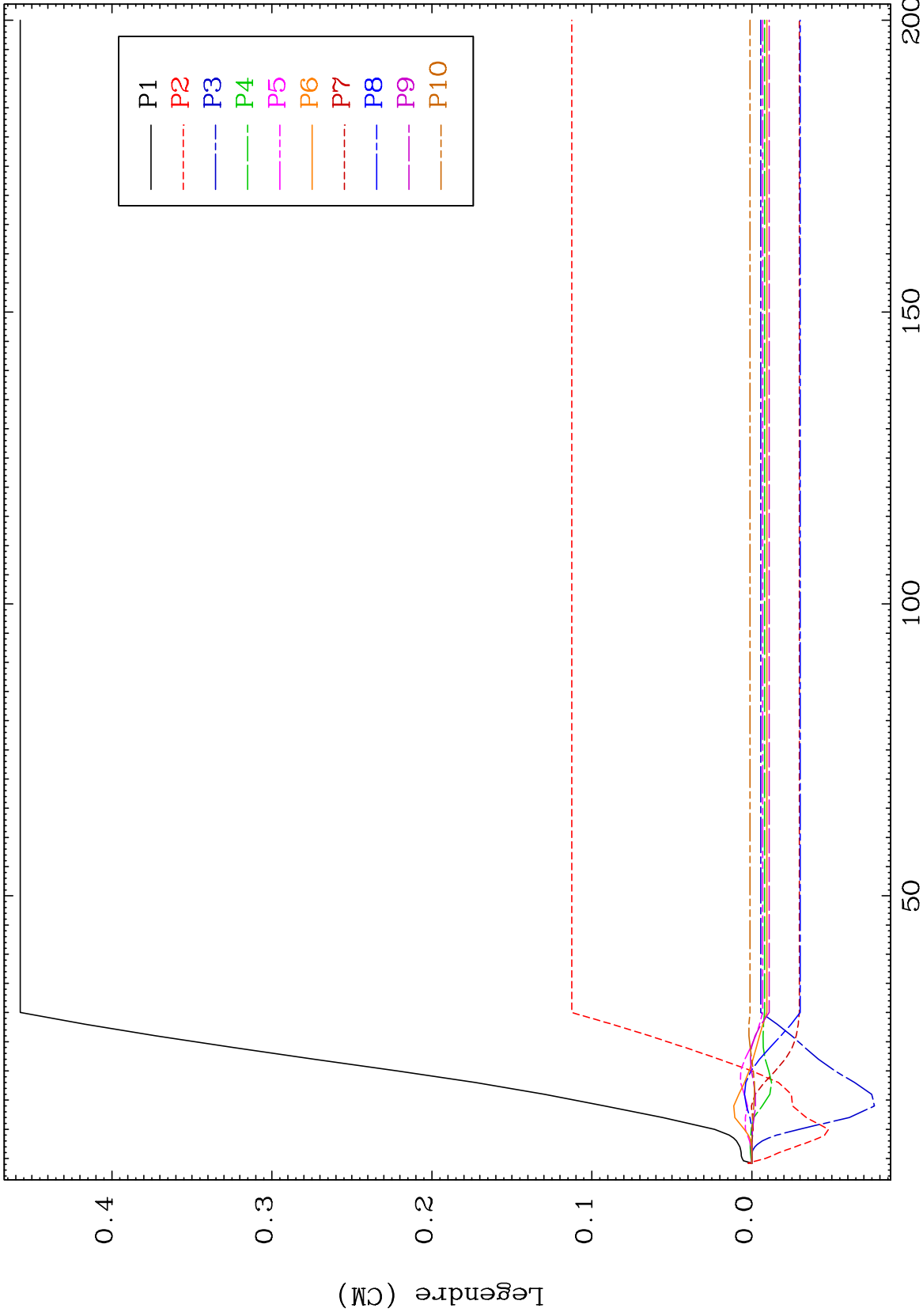
17-Cl-37



MAT 1731

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

17-Cl-37



40

Incident Energy (MeV)

50

100

150

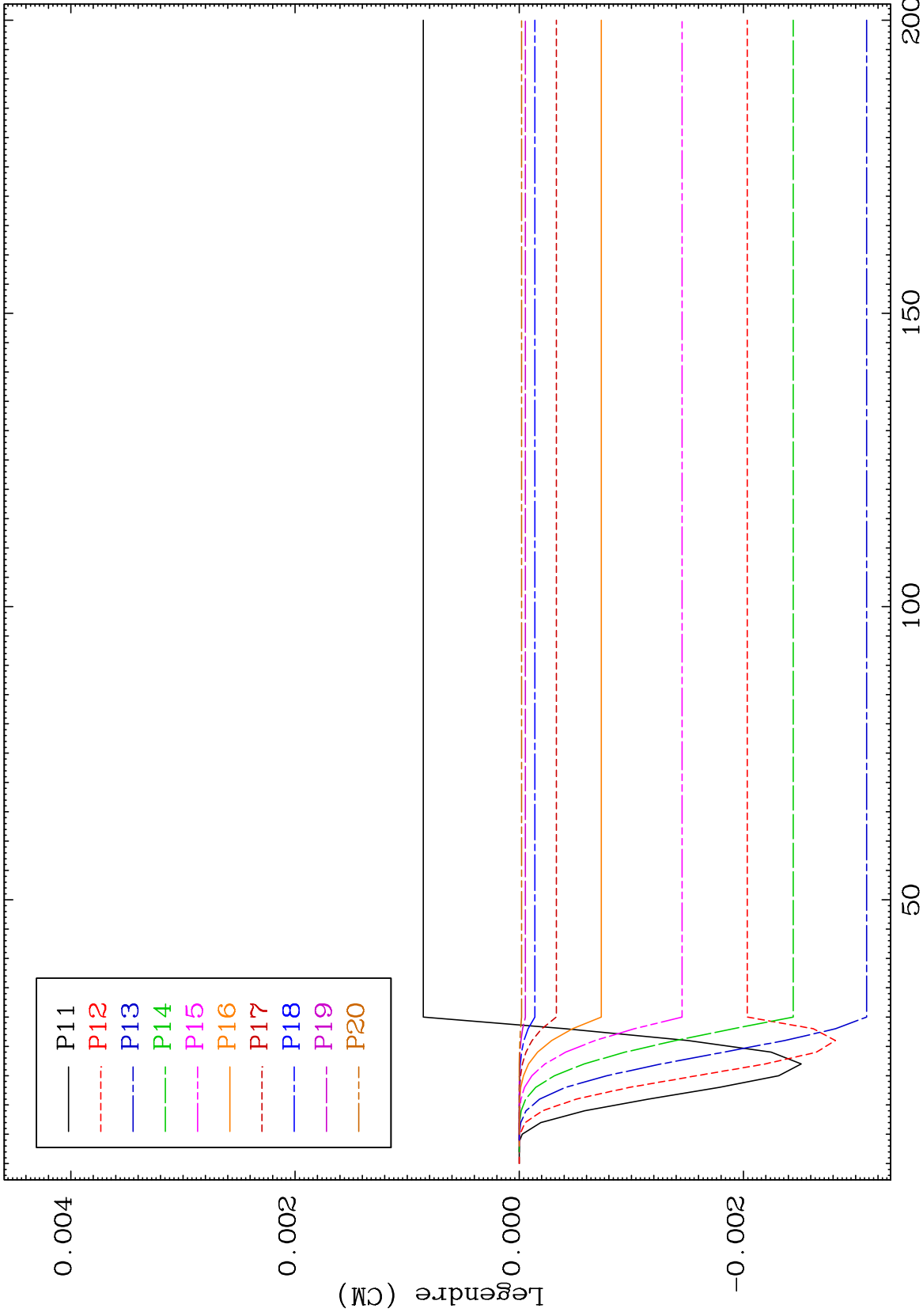
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17-Cl-37

MAT 1731

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

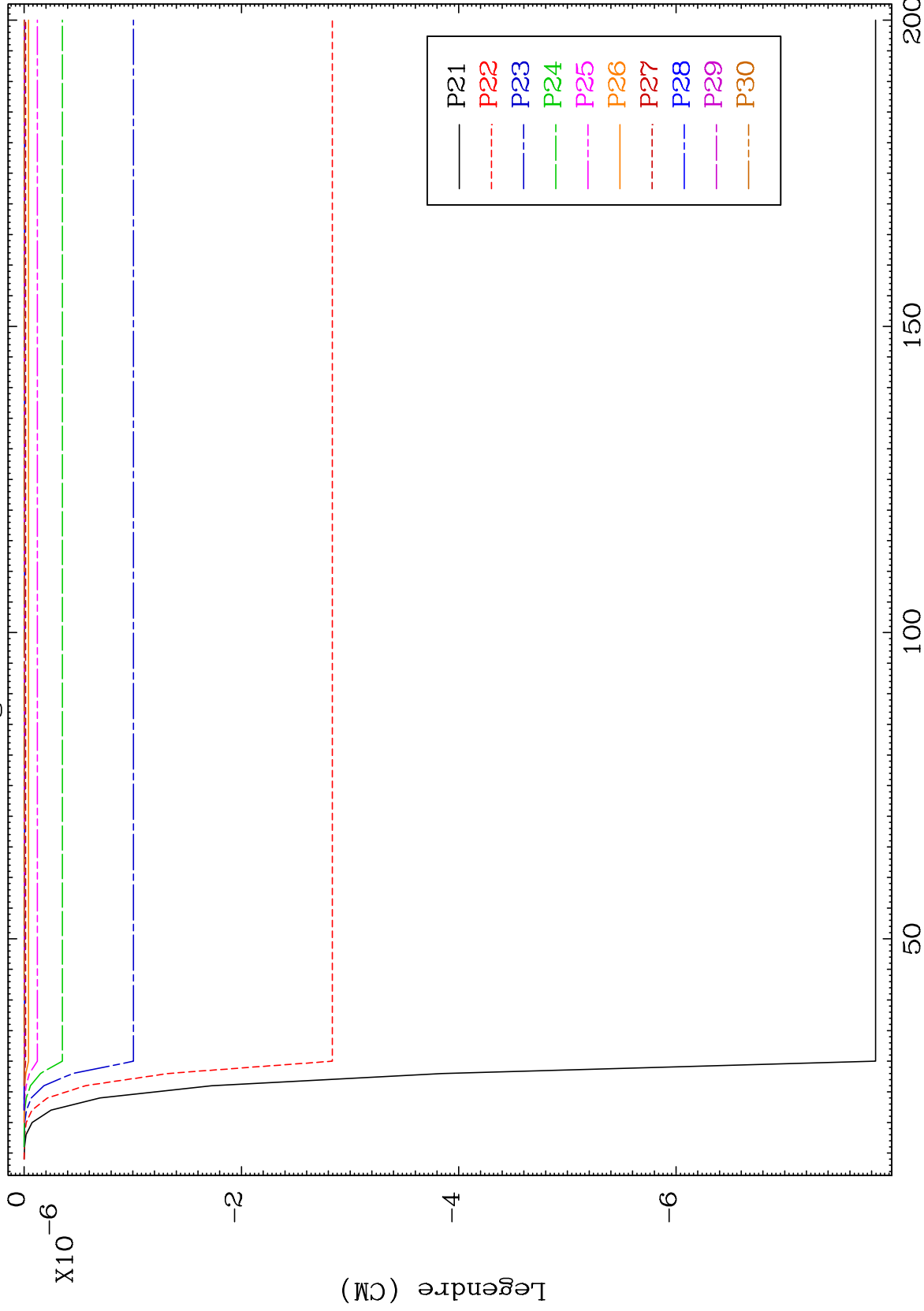
17-Cl-37



MAT 1731

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

17-C1-37

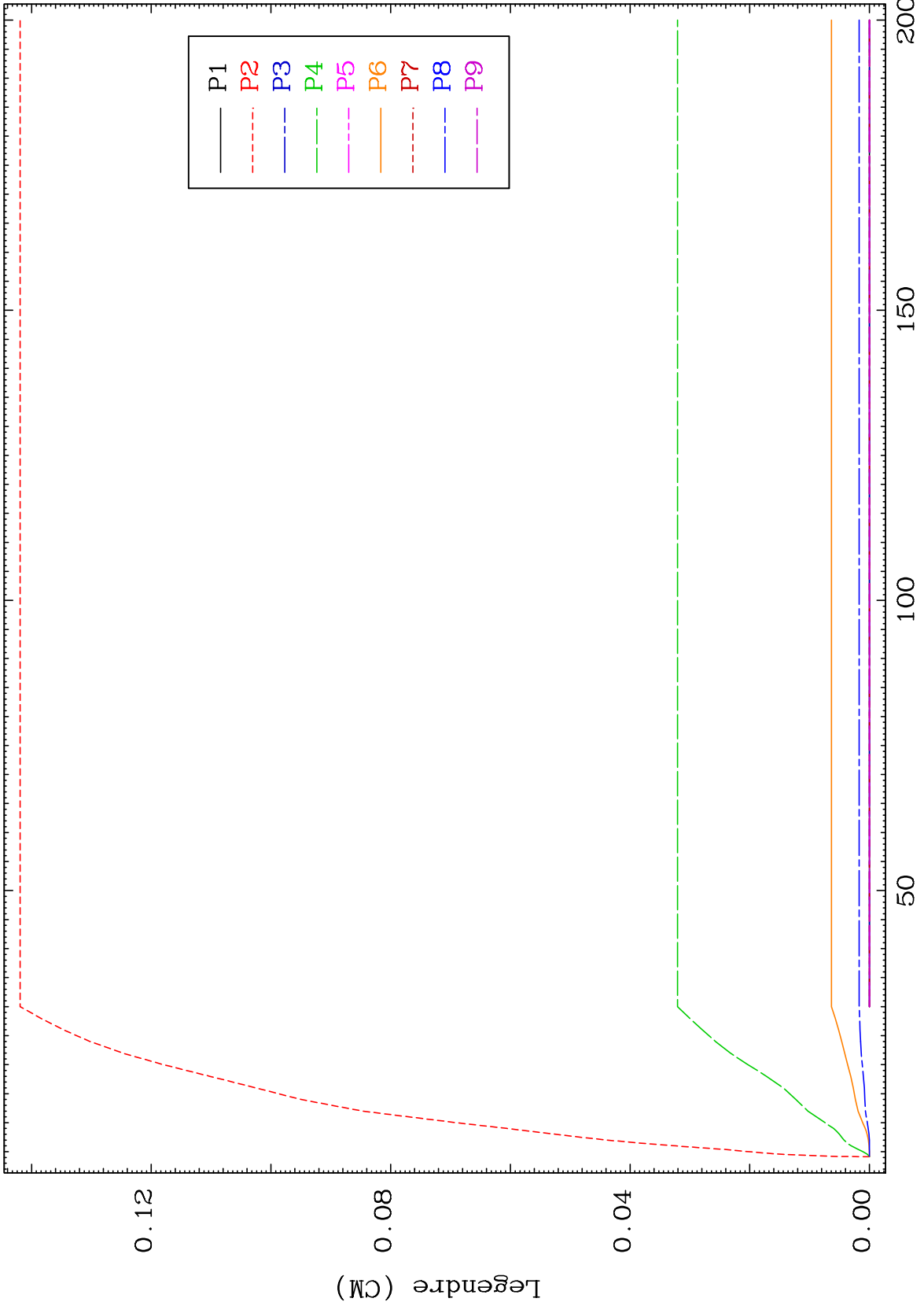


17-C1-37

Incident Energy (MeV)

42

MAT 1731 MT= 59 (n,n') Level Legendre Coefficients 17-Cl-37

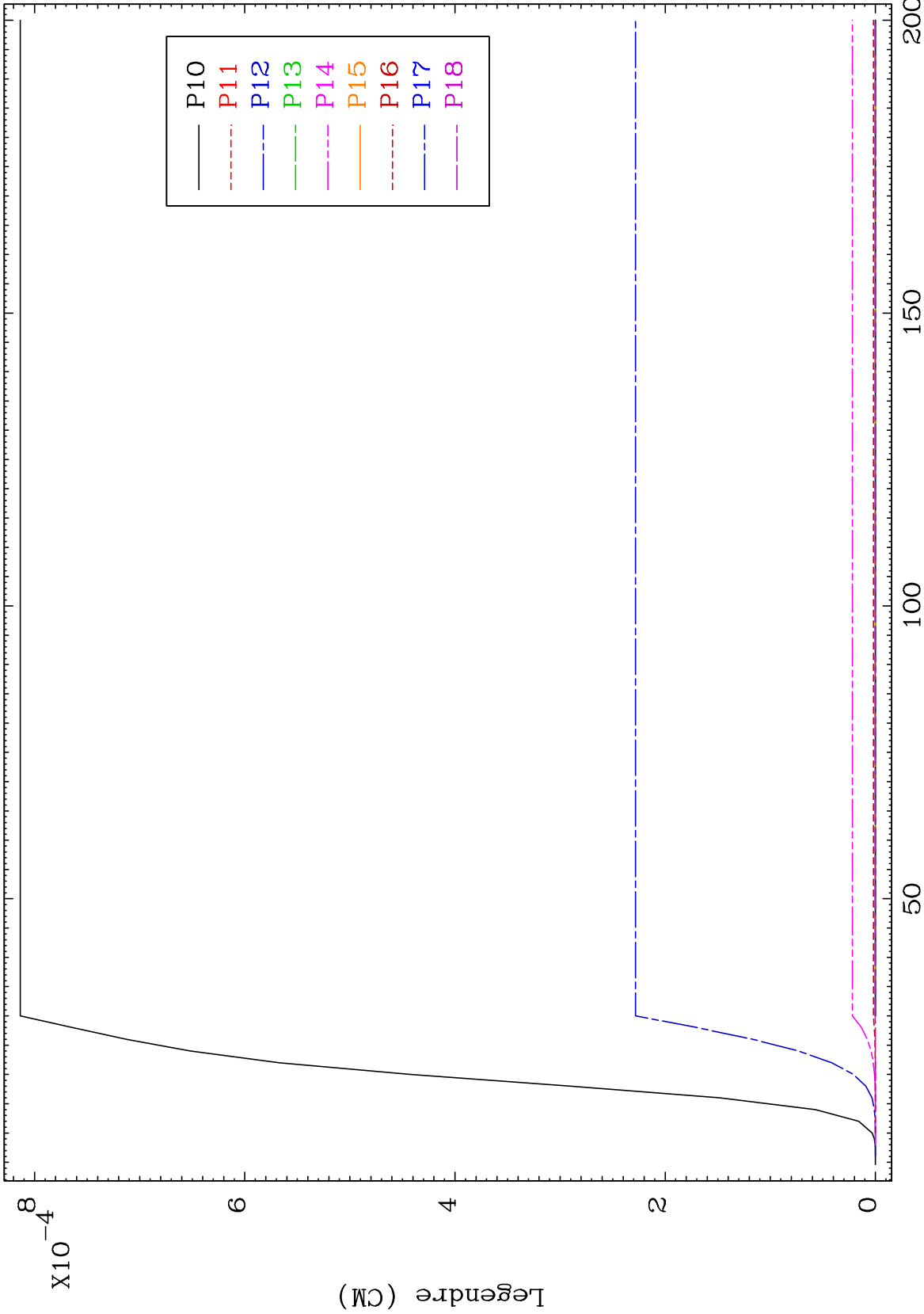


43 Incident Energy (MeV) 17-Cl-37

MAT 1731

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

17-Cl-37



44

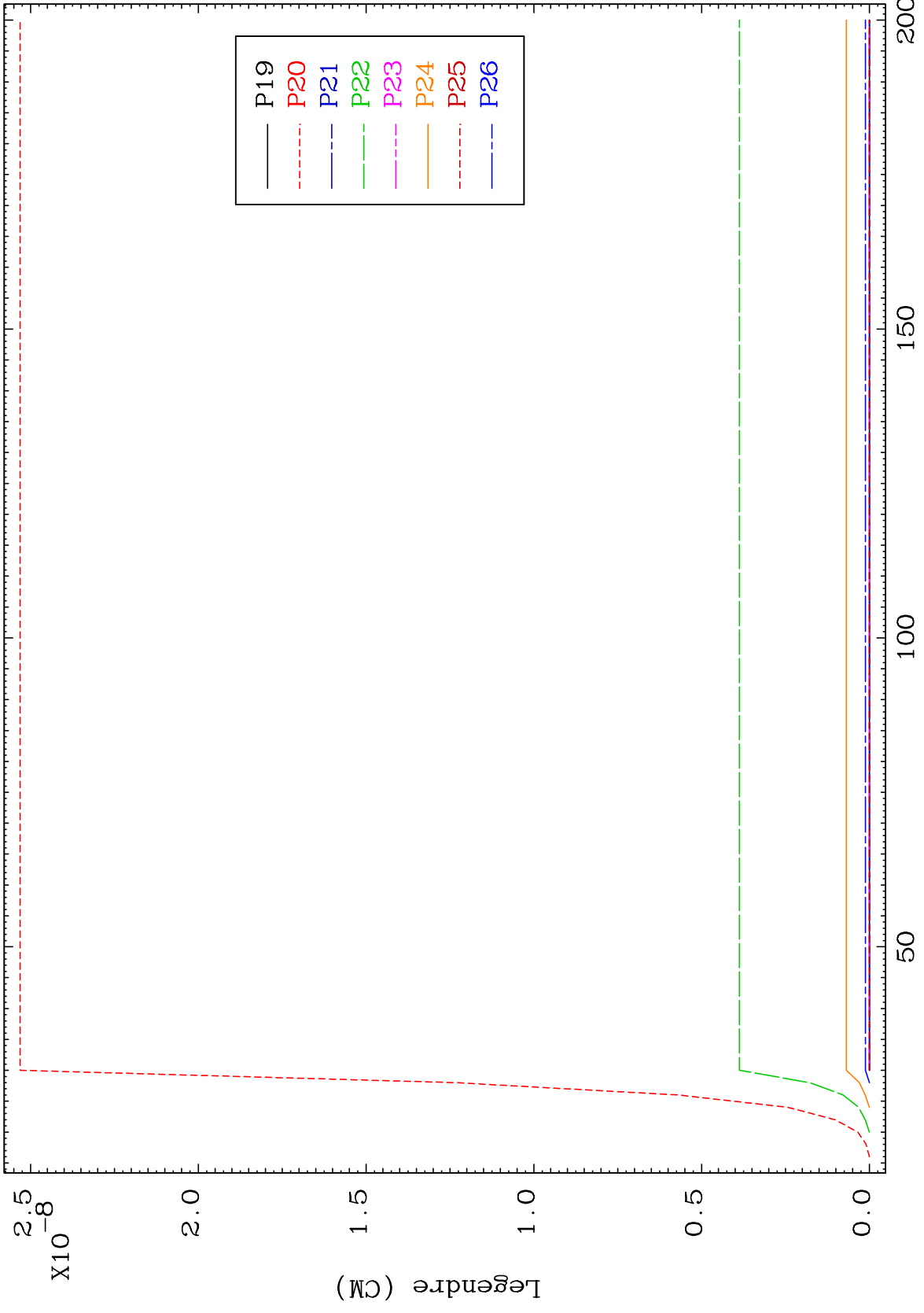
Incident Energy (MeV)

17-Cl-37

MAT 1731 MT= 59 (n,n') Level Legendre Coefficients

17-Cl-37

17-Cl-37



45

50

100

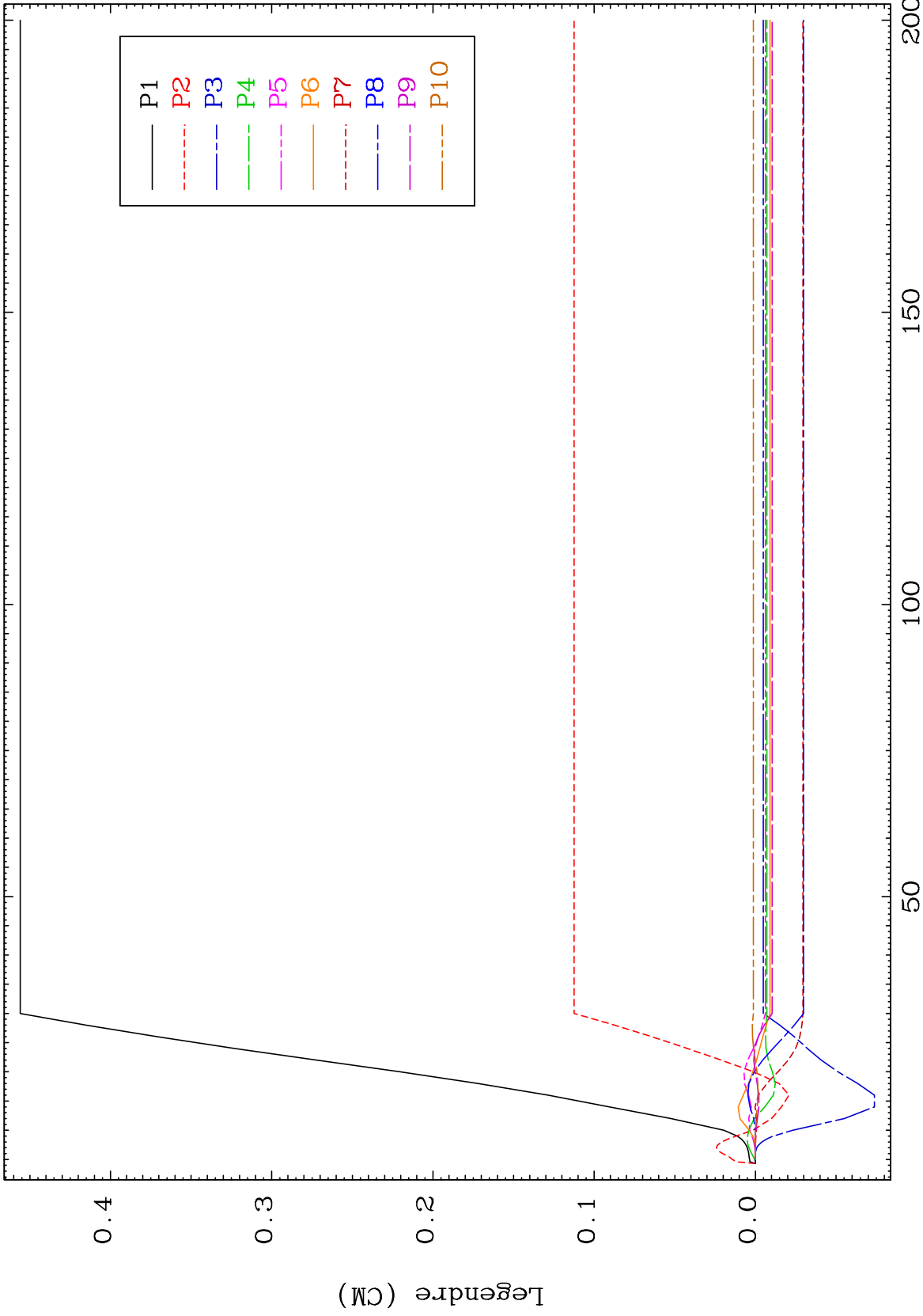
150

200

MAT 1731

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

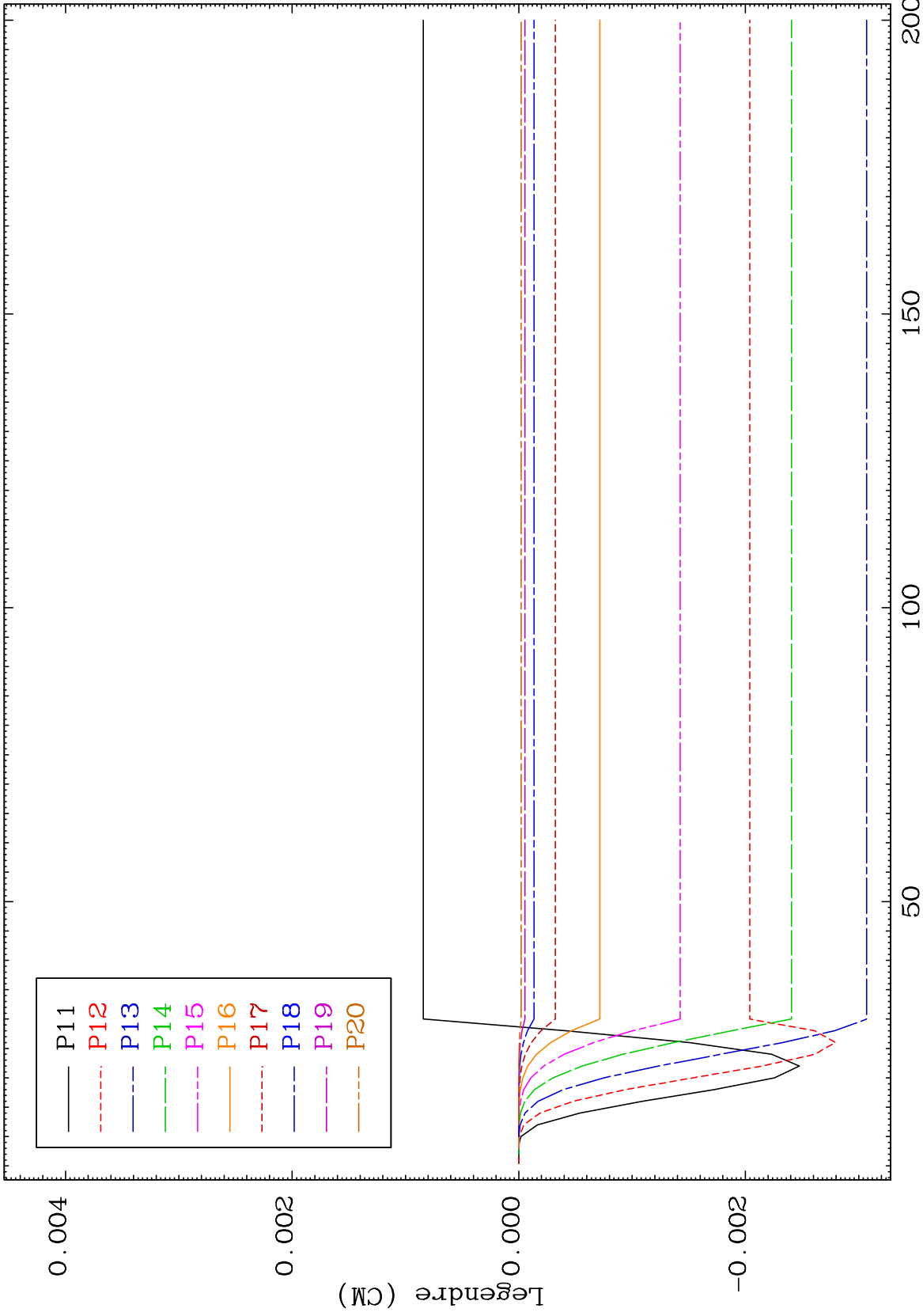
17-Cl-37



46

Incident Energy (MeV)

17-Cl-37

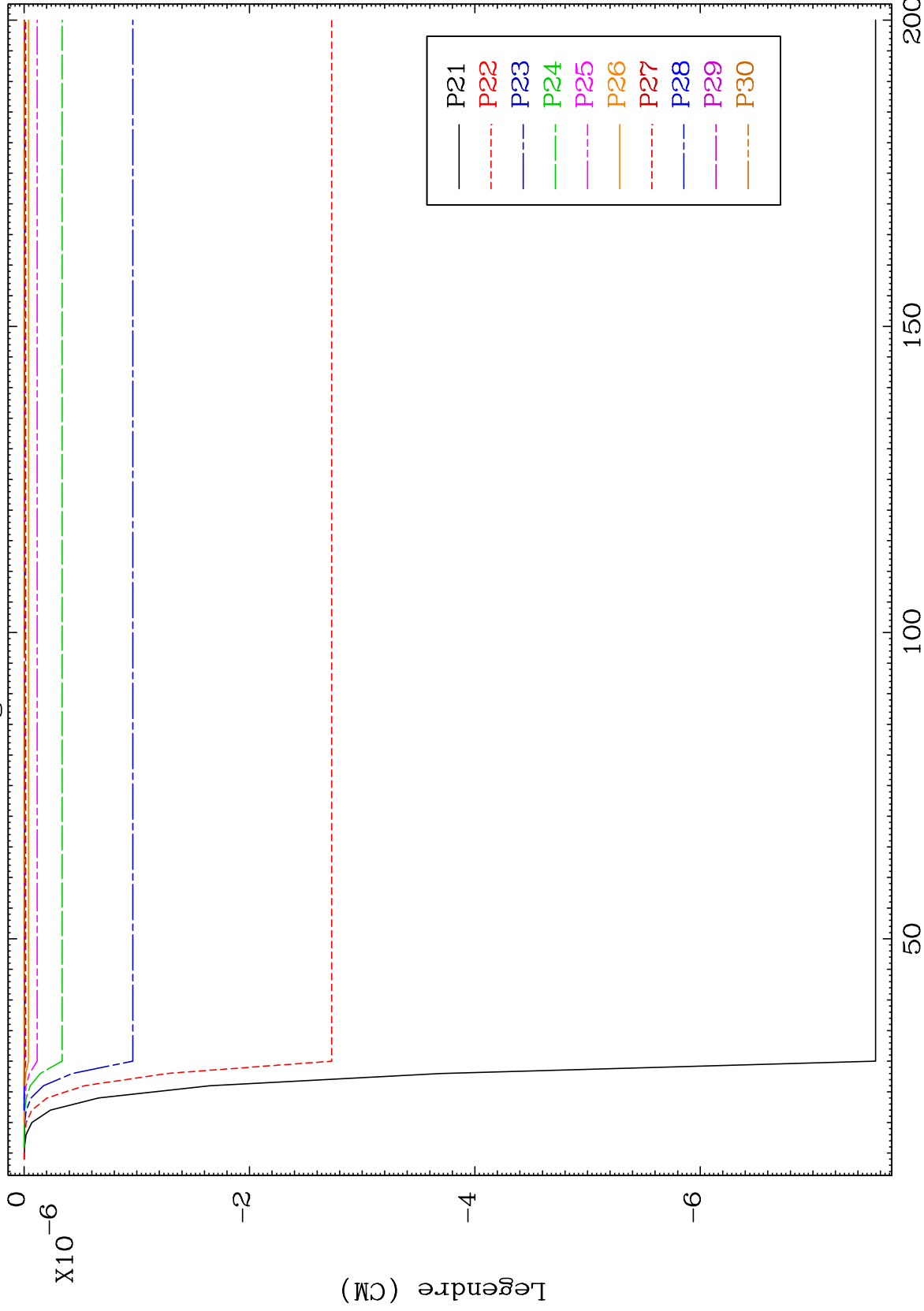




MAT 1731

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

17-Cl-37



17-Cl-37

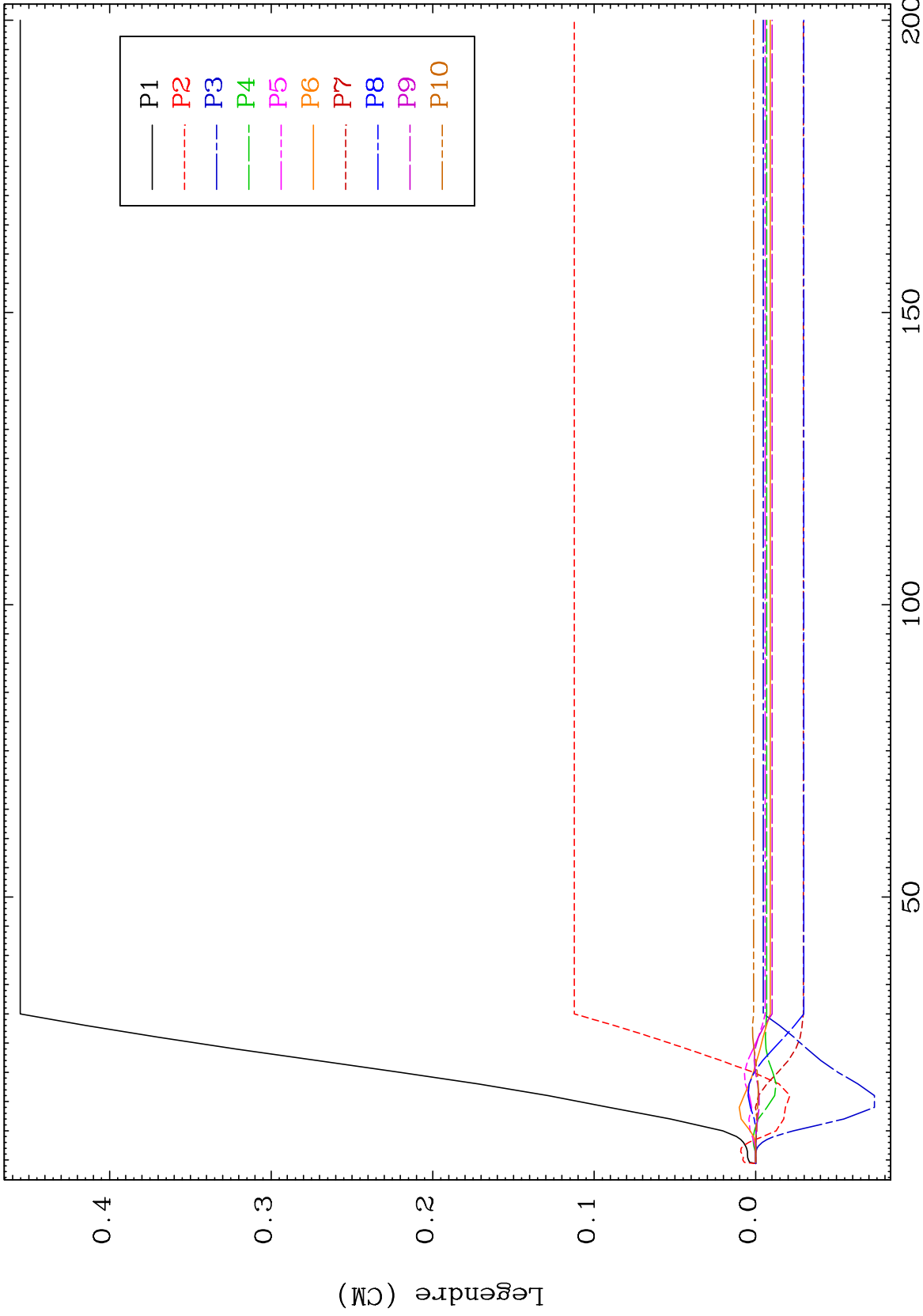
Incident Energy (MeV)

48

MAT 1731

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

17-Cl-37



49

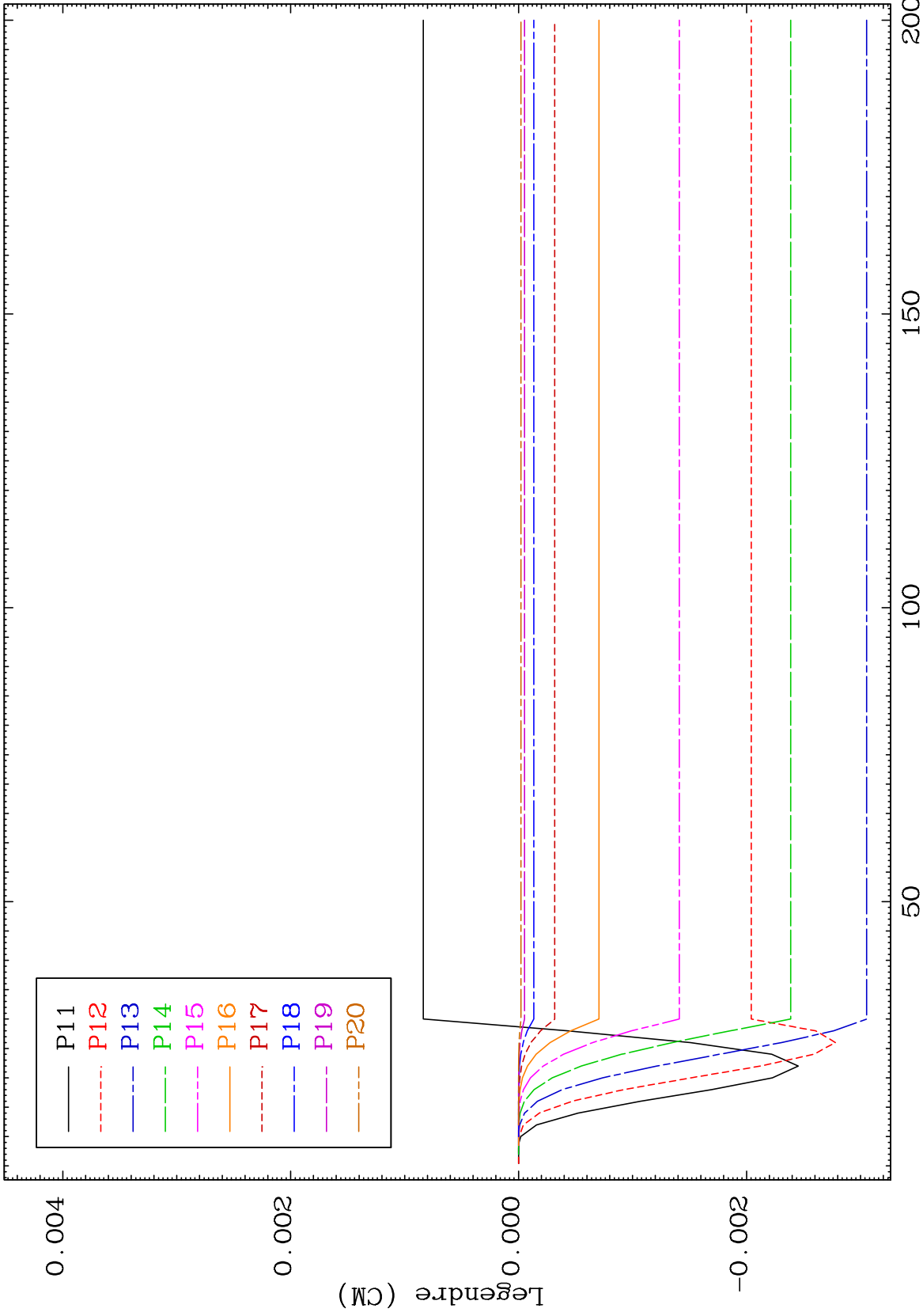
Incident Energy (MeV)

17-Cl-37

MAT 1731

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

17-Cl-37



50

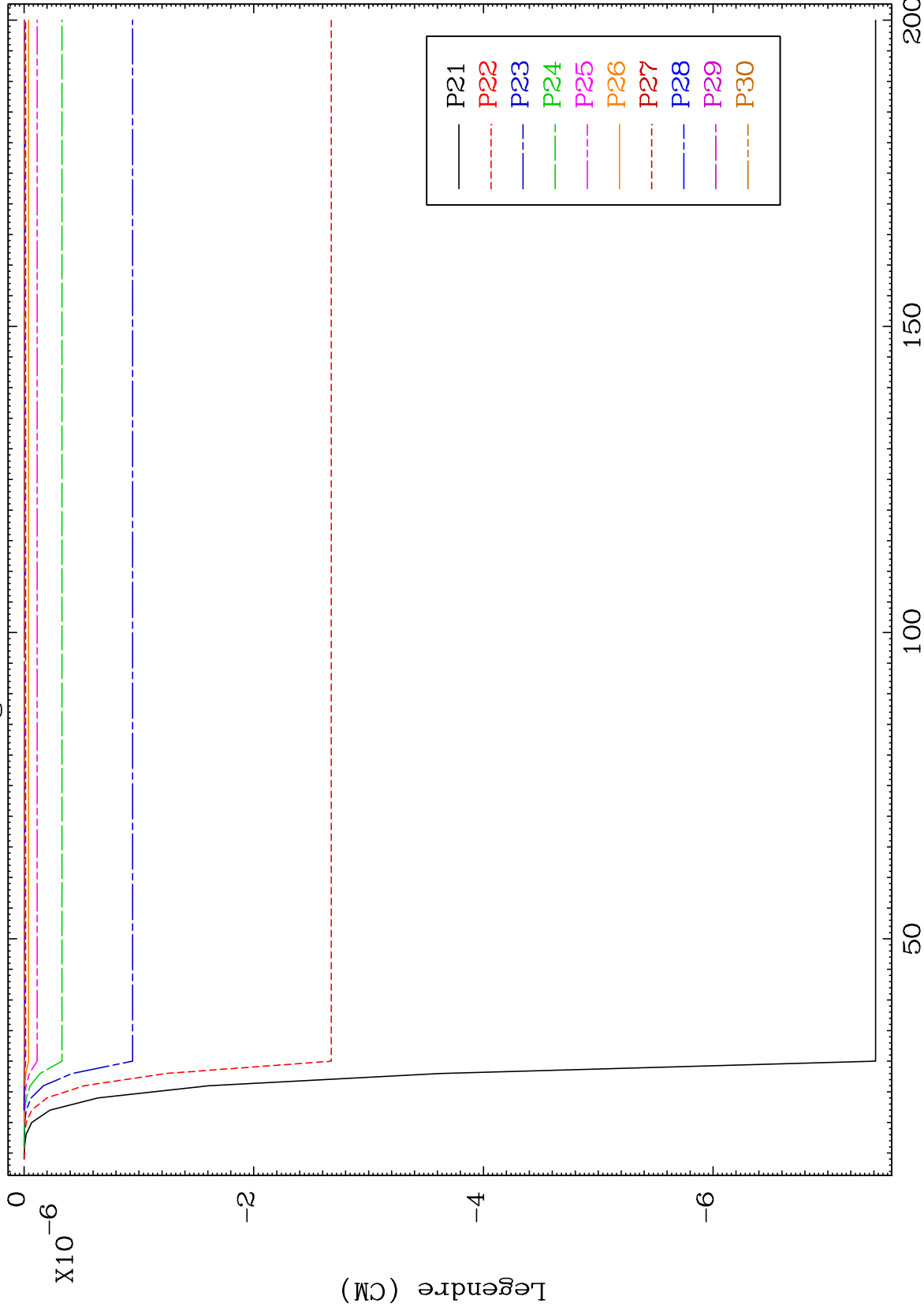
Incident Energy (MeV)

17-Cl-37

MAT 1731

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

17-Cl-37



51

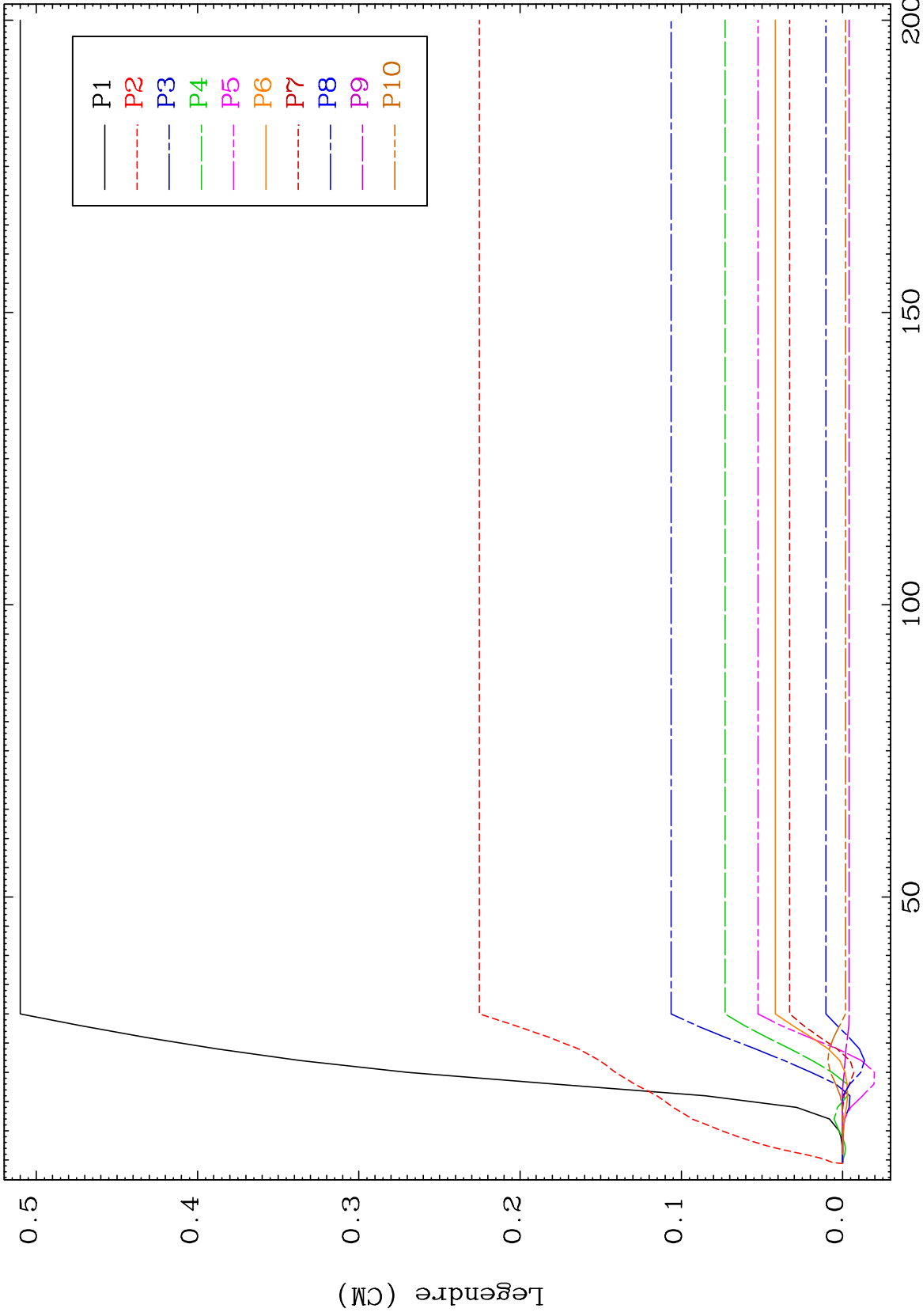
Incident Energy (MeV)

17-Cl-37

MAT 1731

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

17-CI-37



52

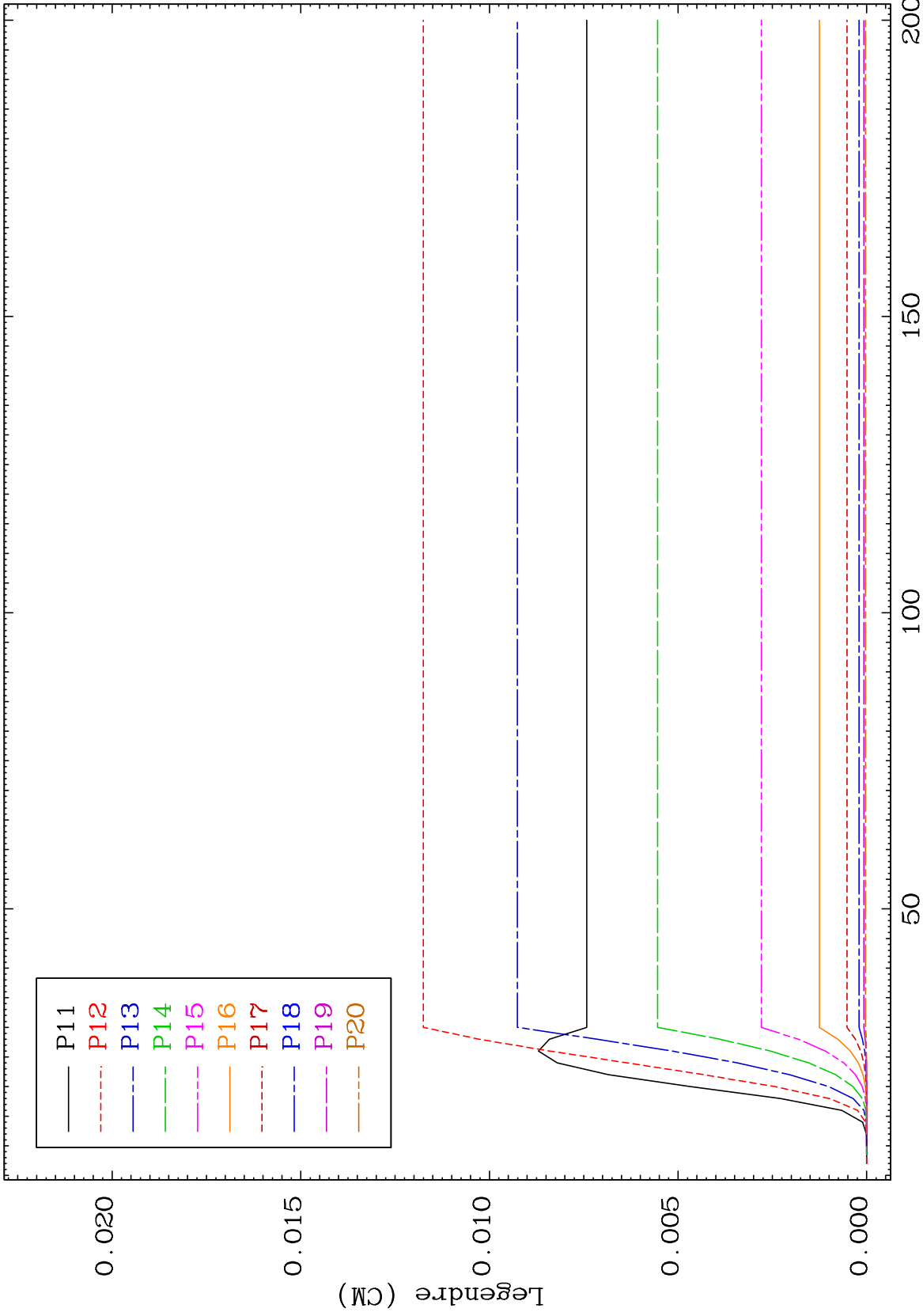
Incident Energy (MeV)

17-CI-37

MAT 1731

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

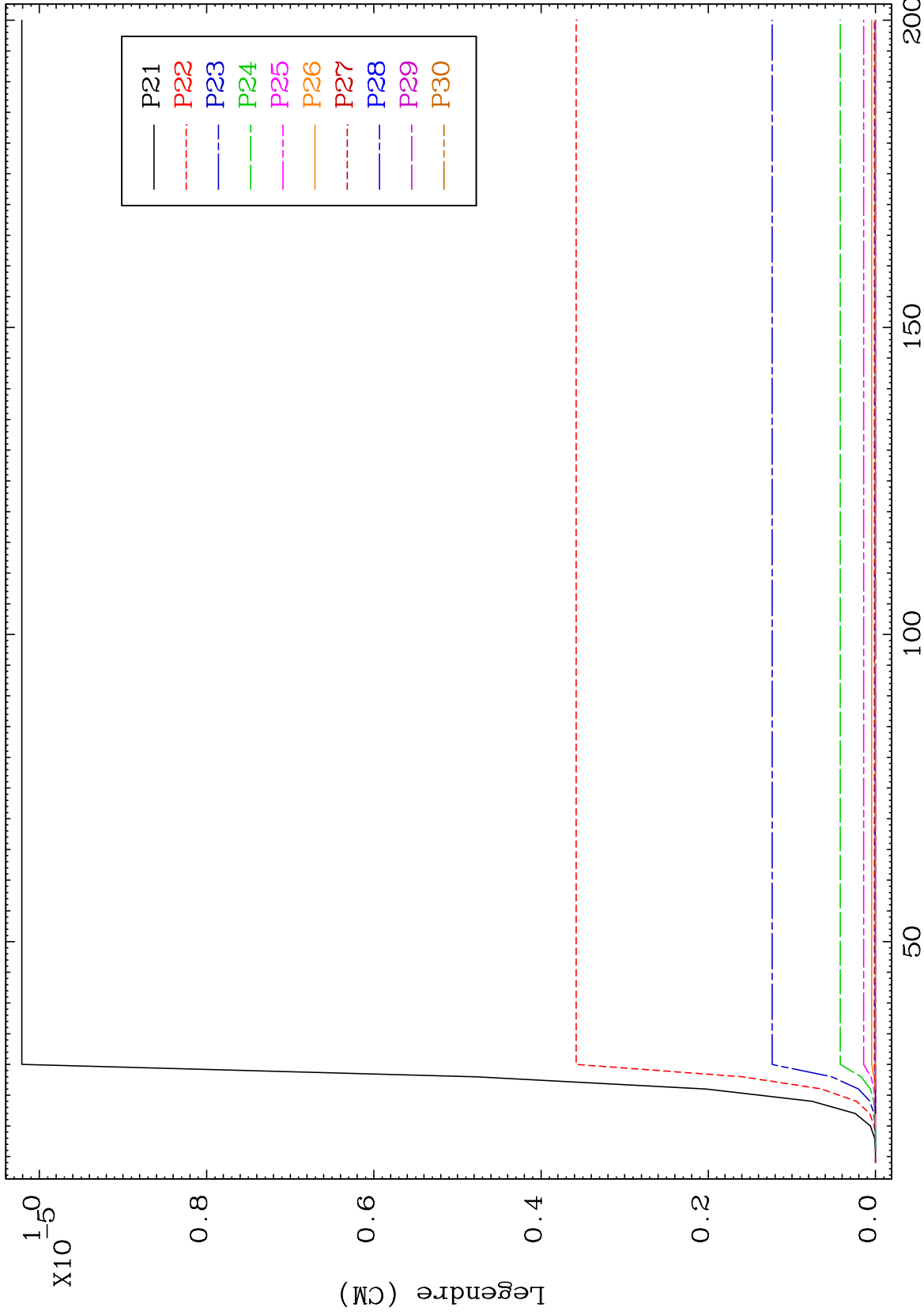
17-Cl-37



53

Incident Energy (MeV)

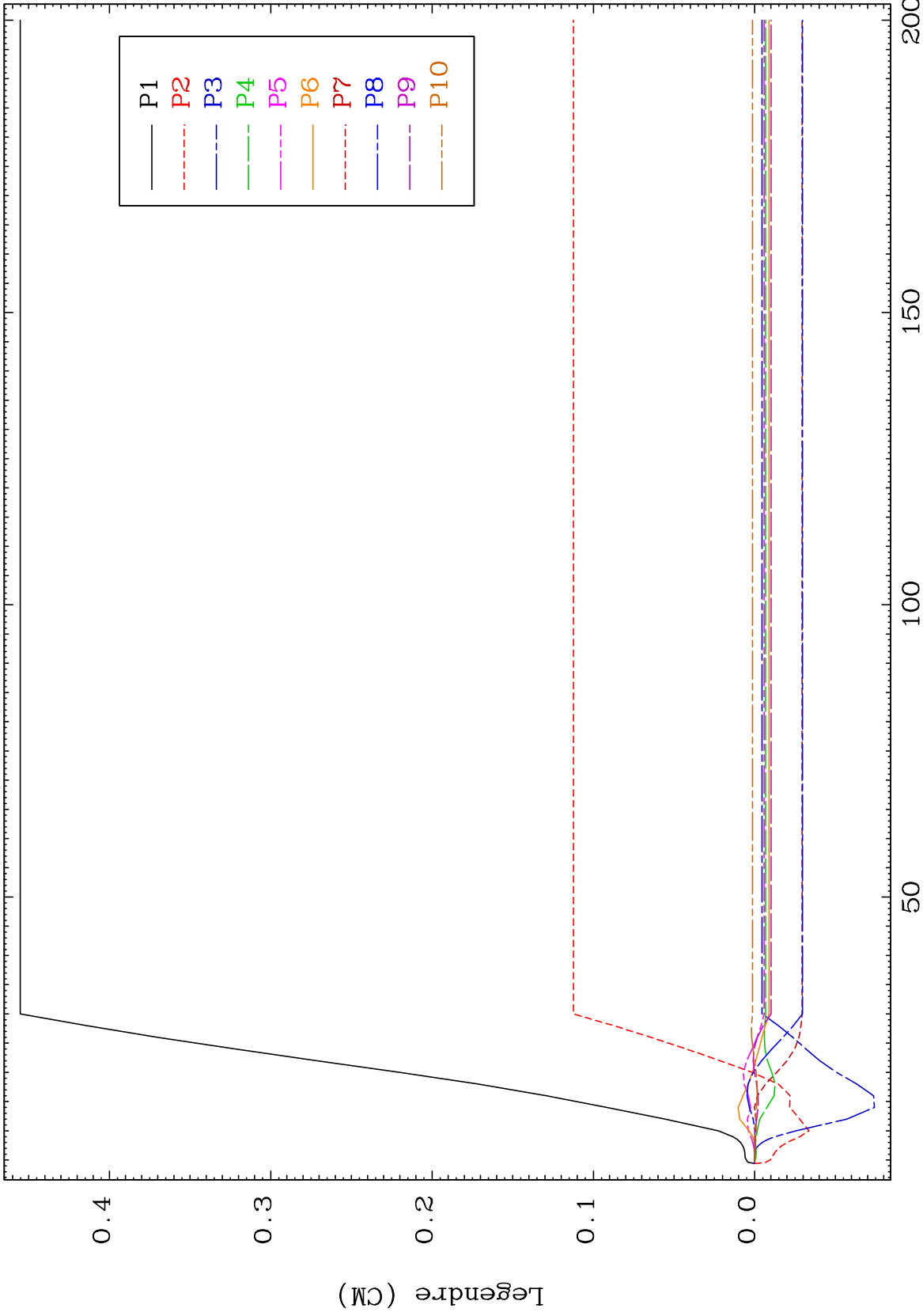
17-Cl-37



MAT 1731

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

17-Cl-37

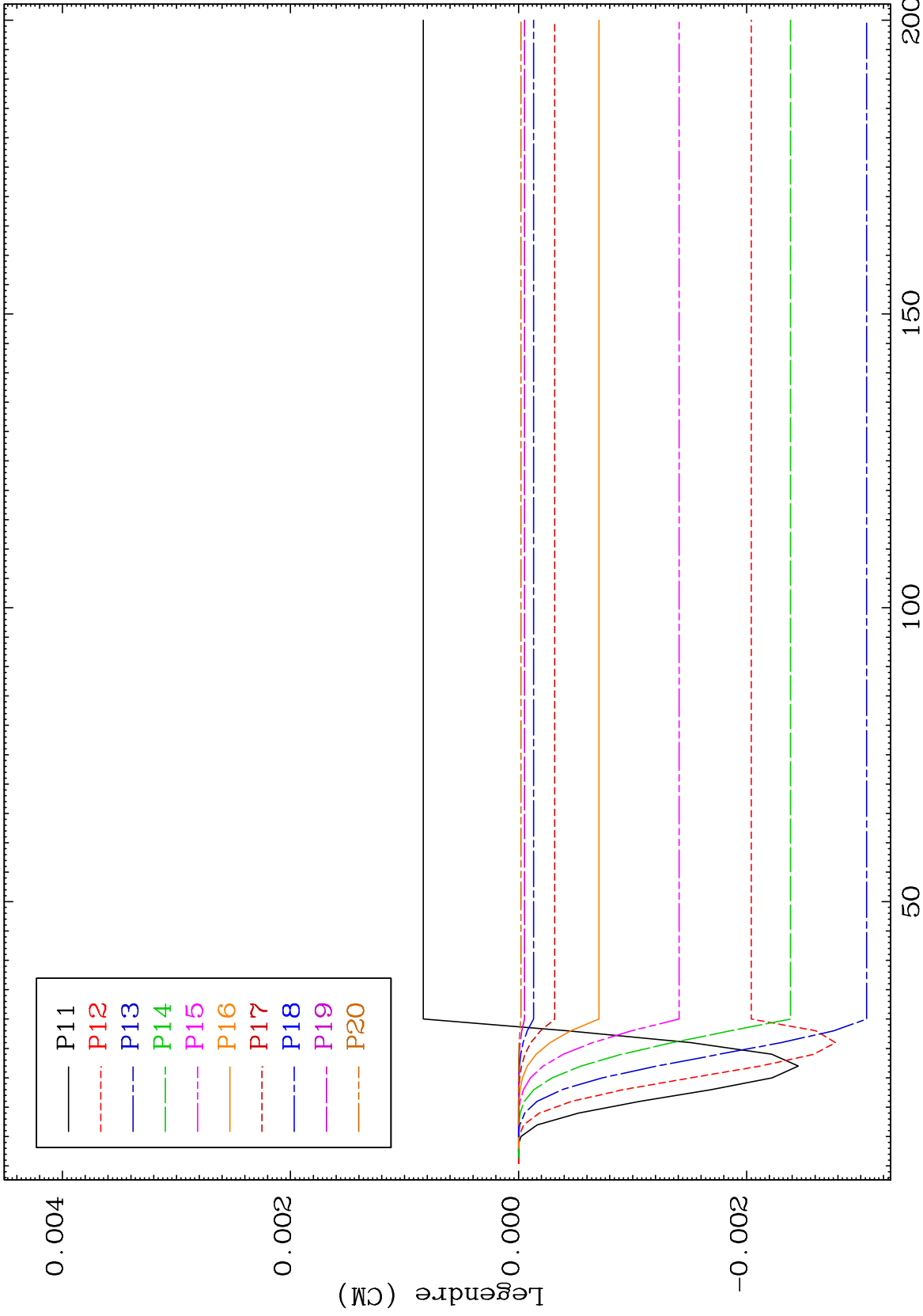


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Incident Energy (MeV)

17-Cl-37

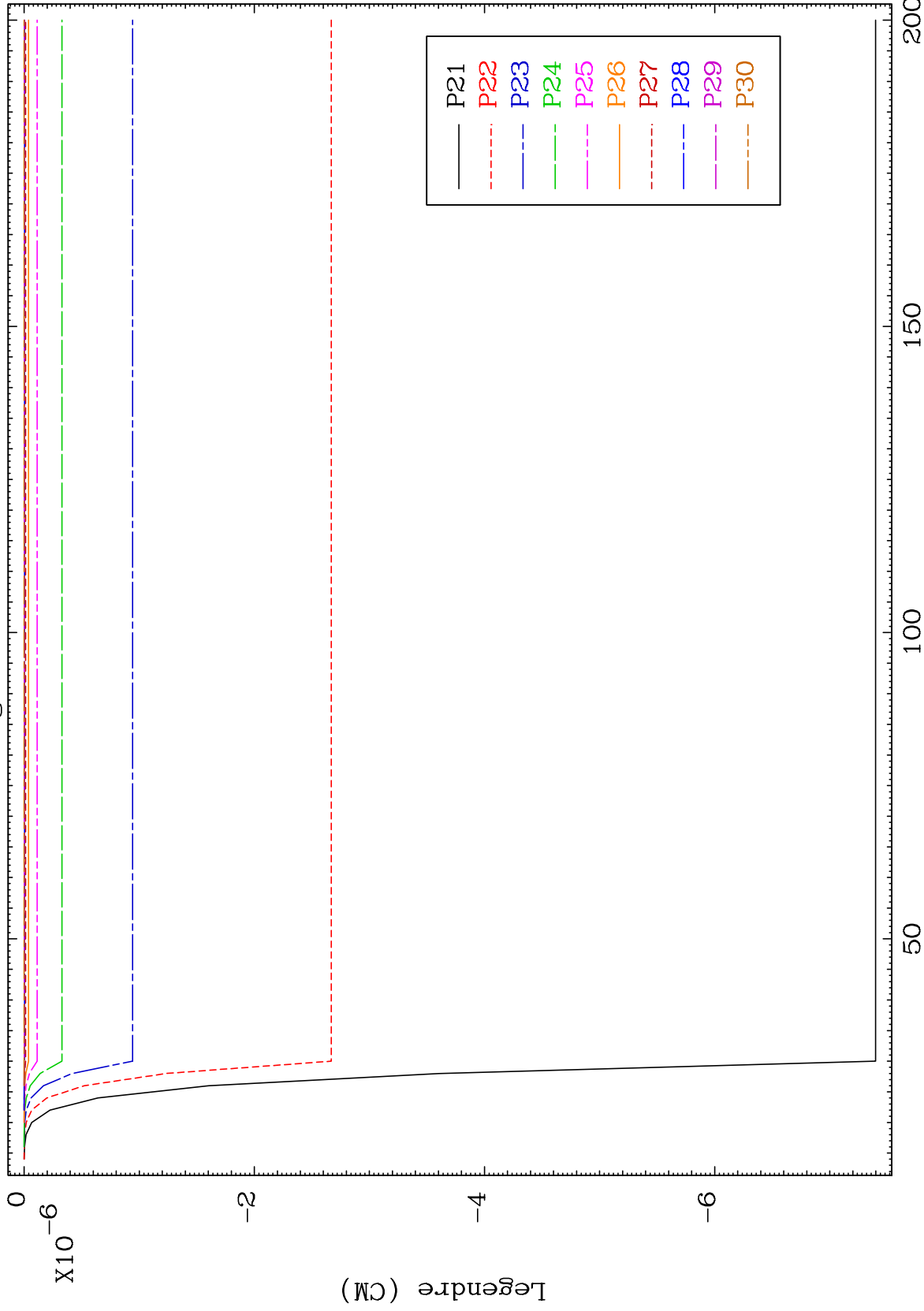




MAT 1731

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

17-CI-37



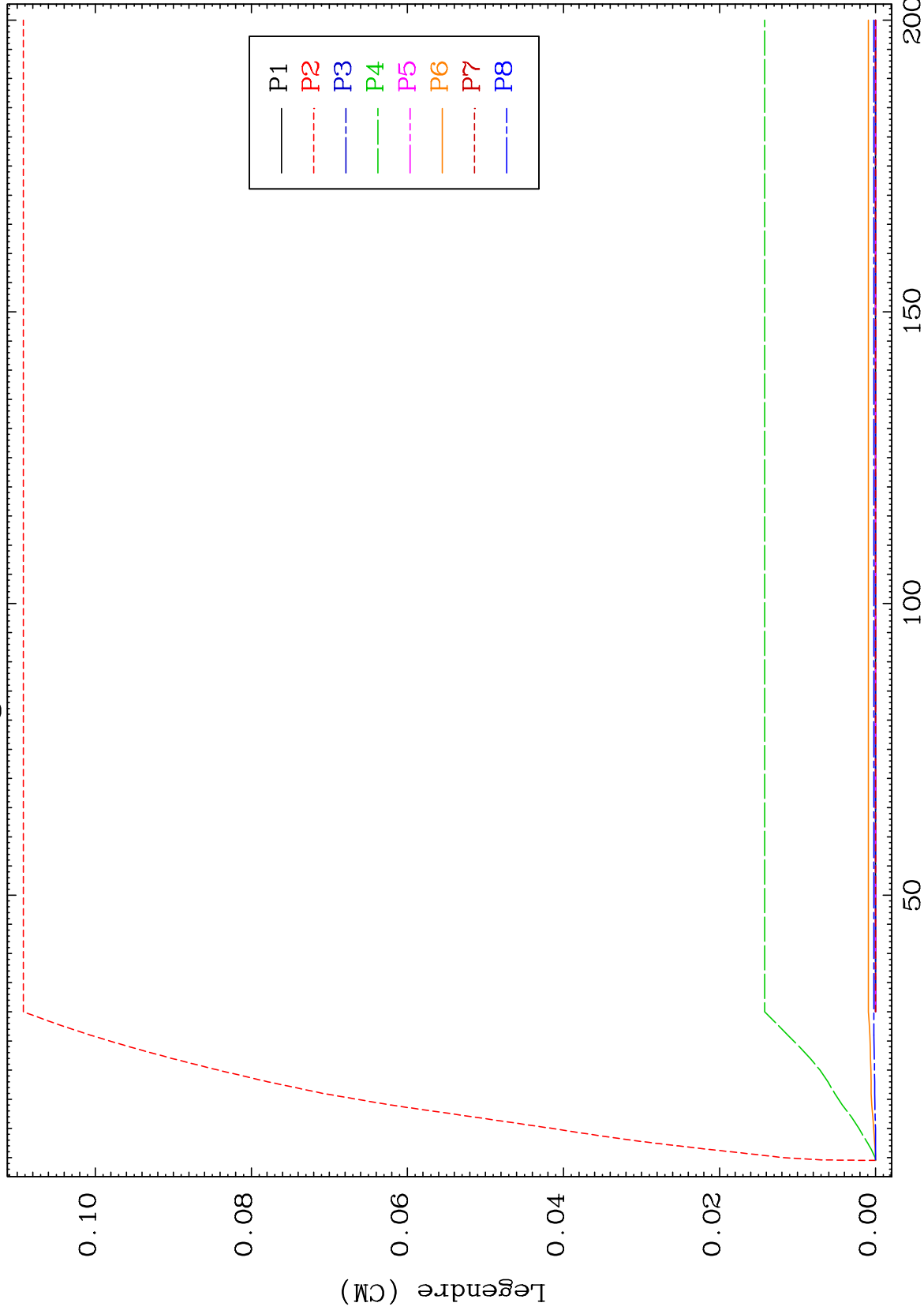
57

17-CI-37

MAT 1731

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

17-Cl-37



58

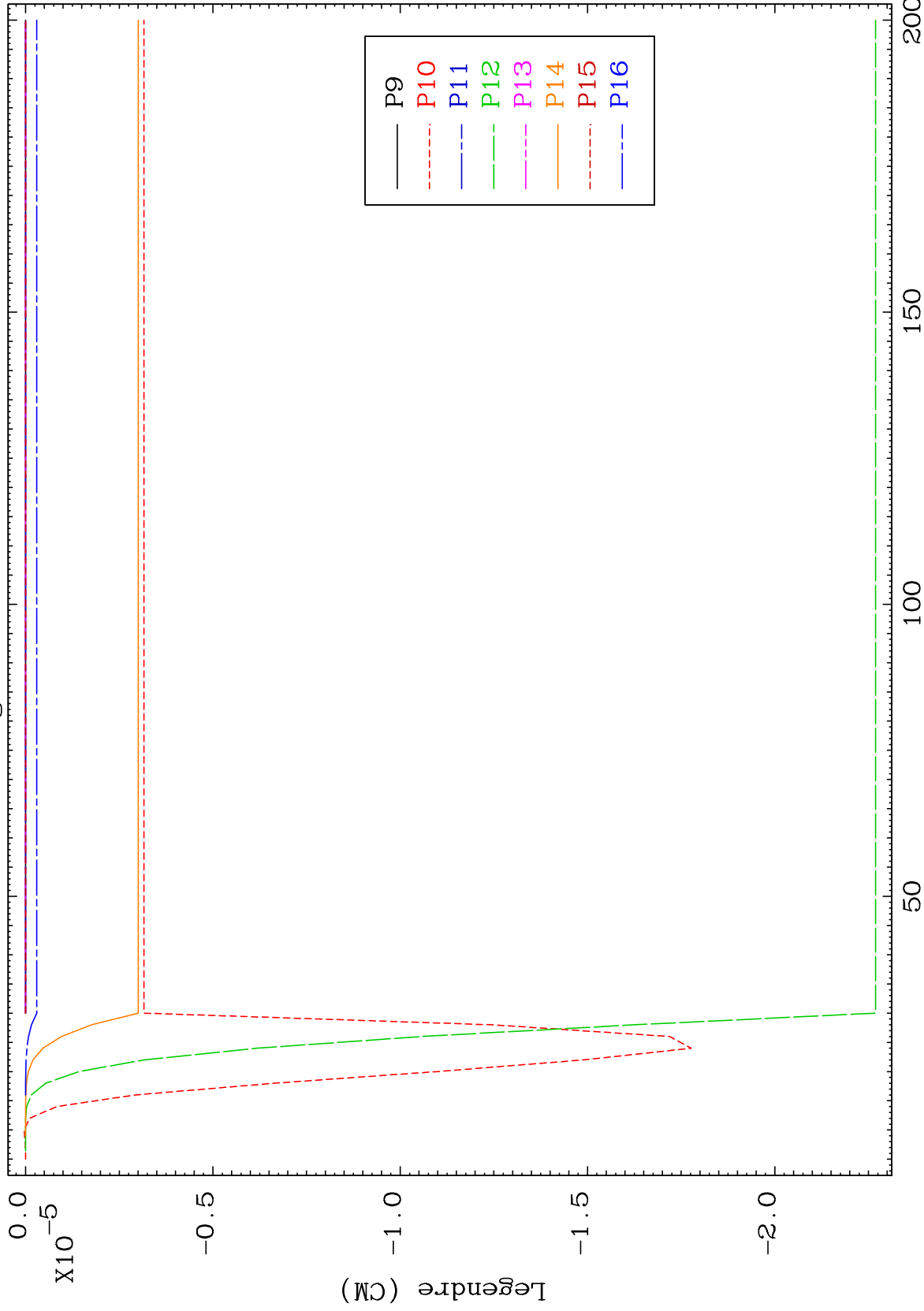
Incident Energy (MeV)

17-Cl-37

MAT 1731

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

17-CI-37

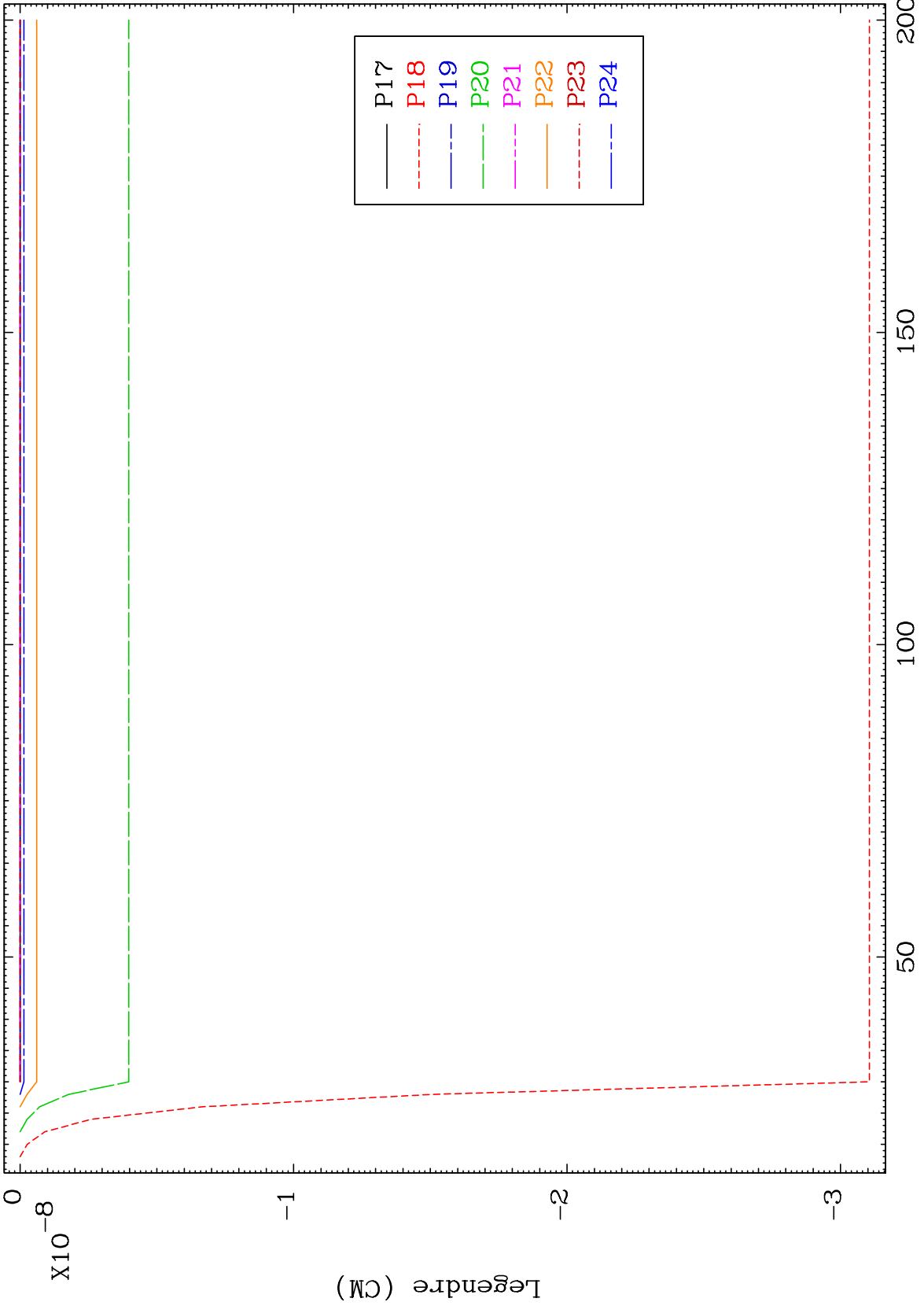


17-CI-37

Incident Energy (MeV)

59

MAT 1731 MT= 64 (n,n') Level Legendre Coefficients 17-C1-37

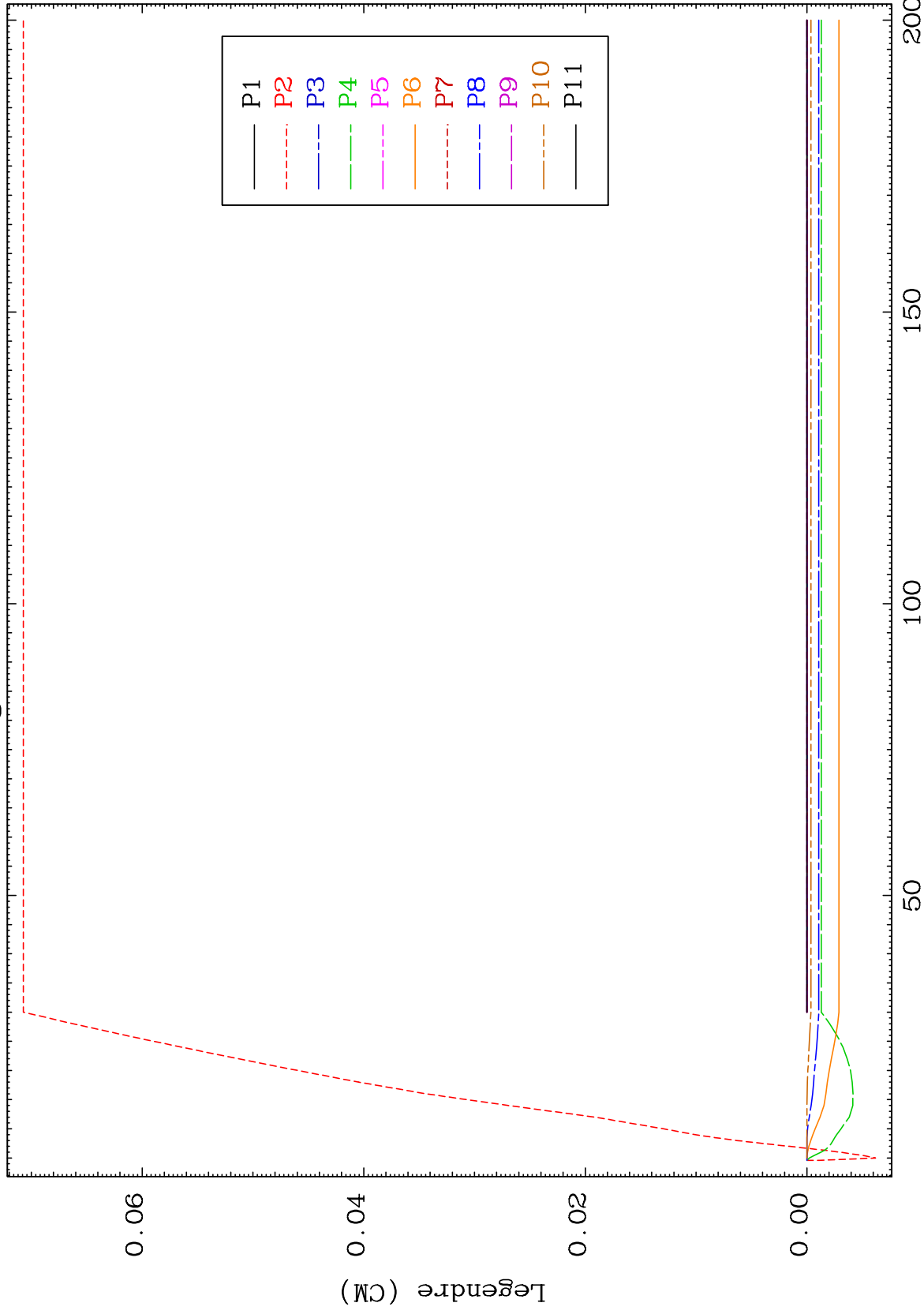


60 150 200 17-C1-37

MAT 1731

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

17-Cl-37



61

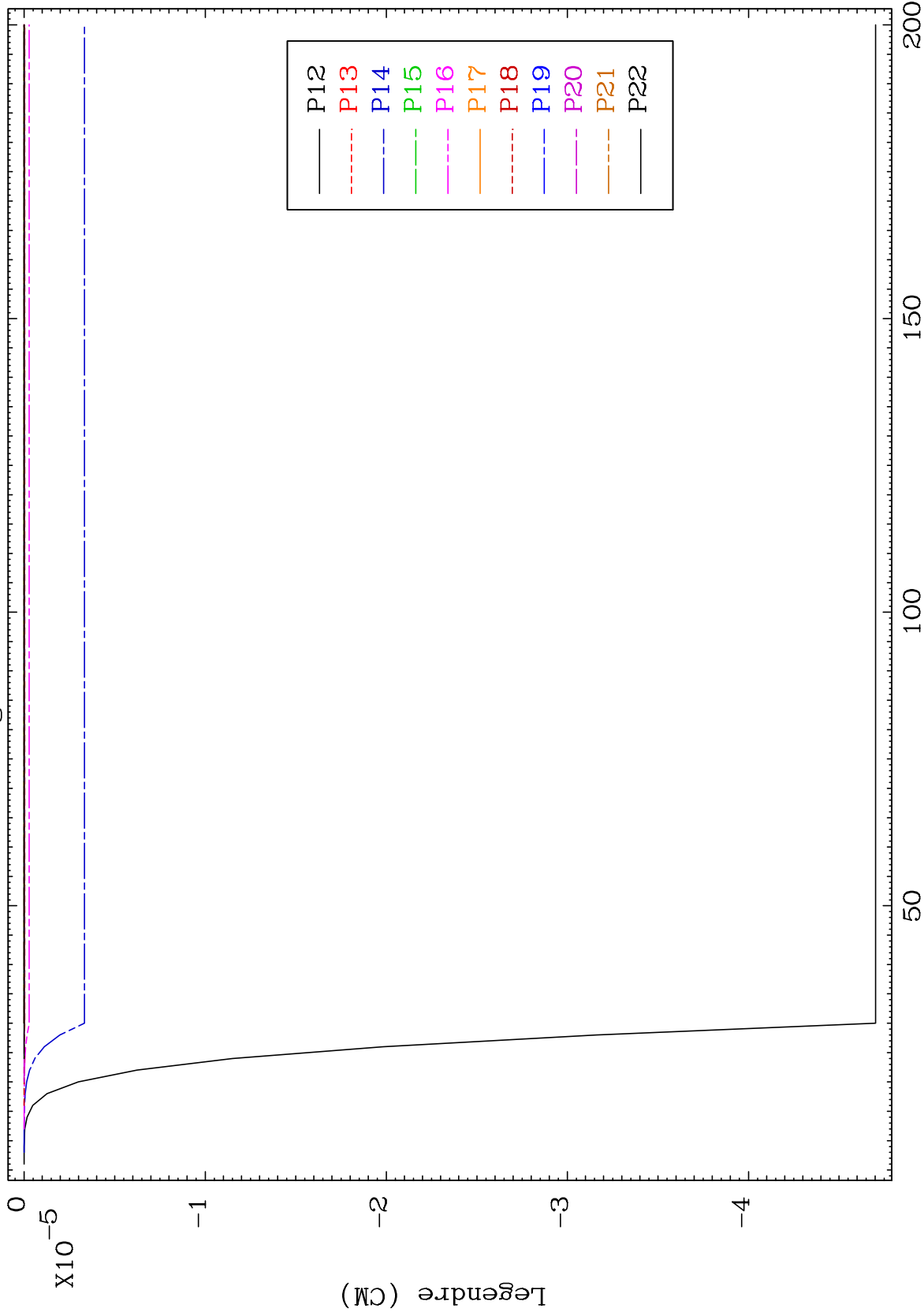
Incident Energy (MeV)

17-Cl-37

MAT 1731

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

17-C1-37



62

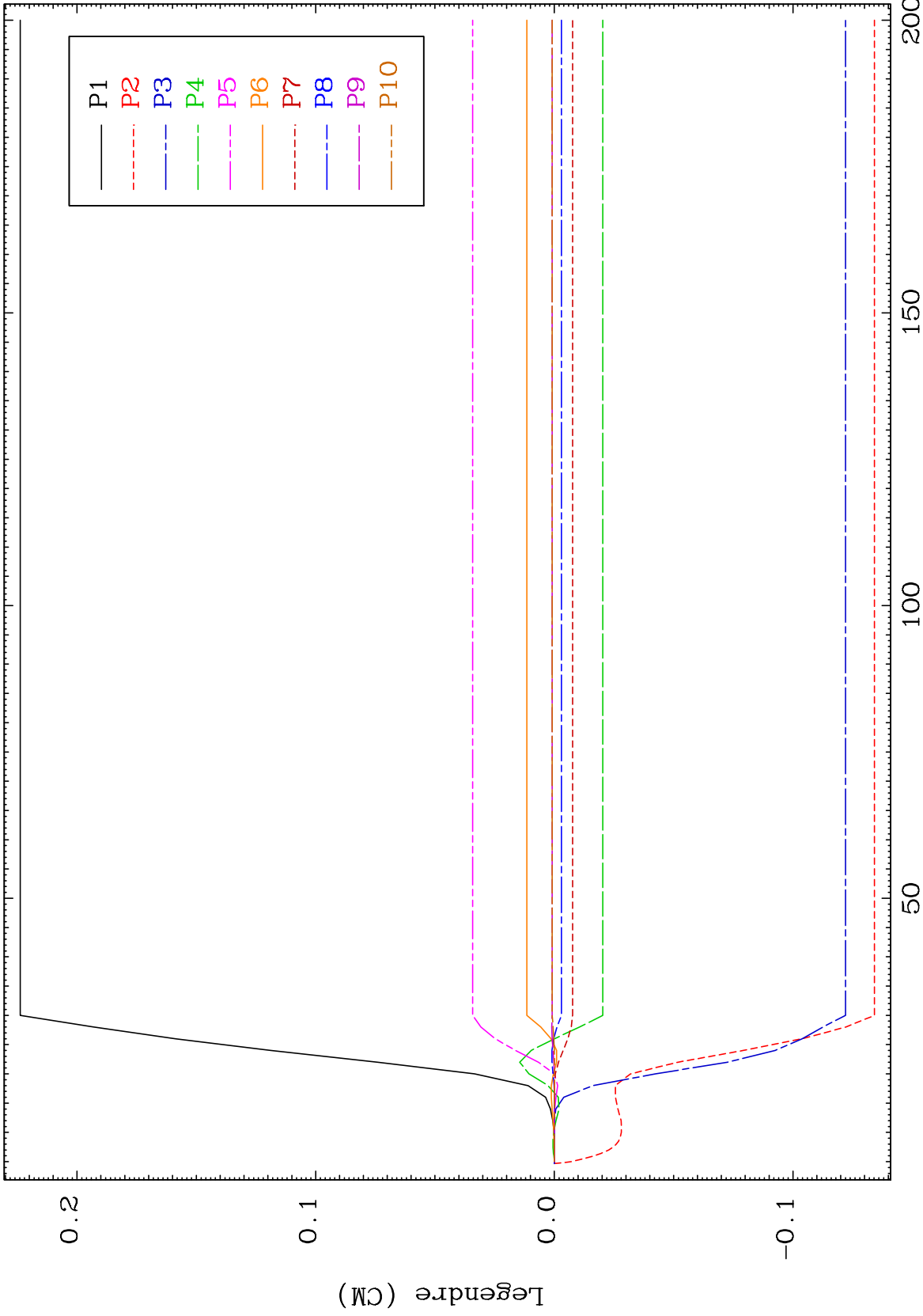
Incident Energy (MeV)

17-C1-37

MAT 1731

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

17-Cl-37



63

Incident Energy (MeV)

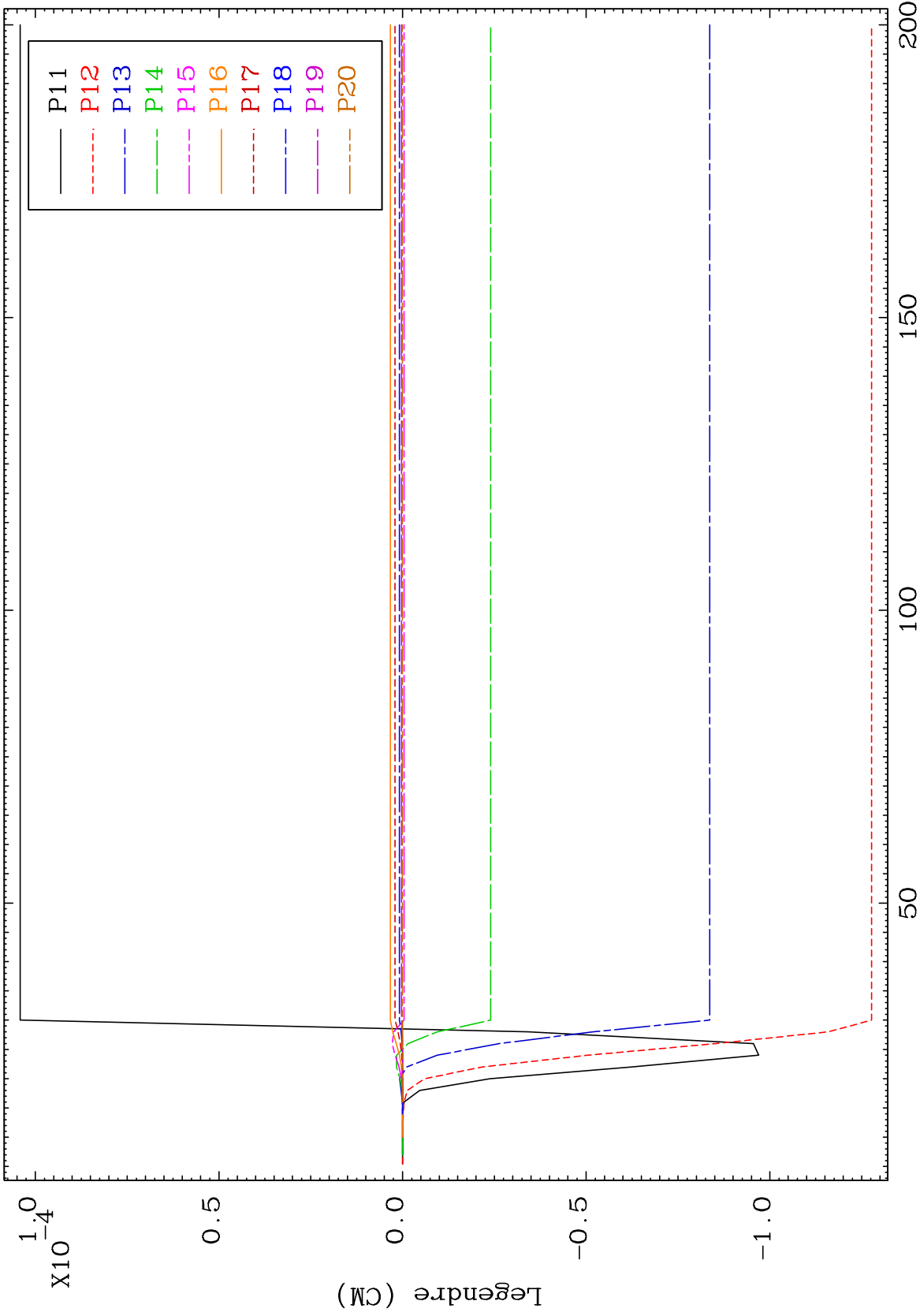
17-Cl-37



MAT 1731

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

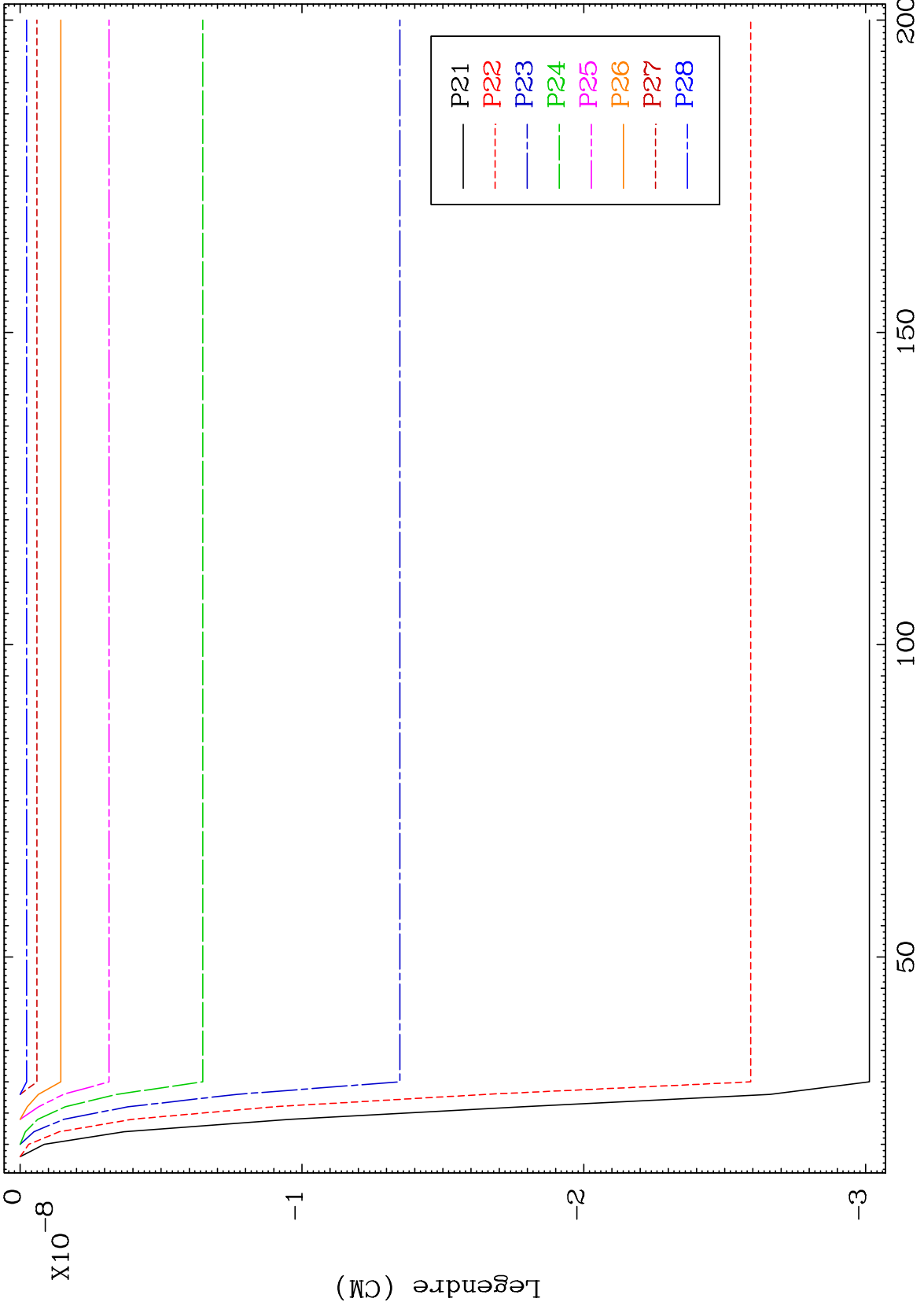
17-Cl-37



64

17-Cl-37

MAT 1731 MT= 66 (n,n') Level Legendre Coefficients 17-CI-37

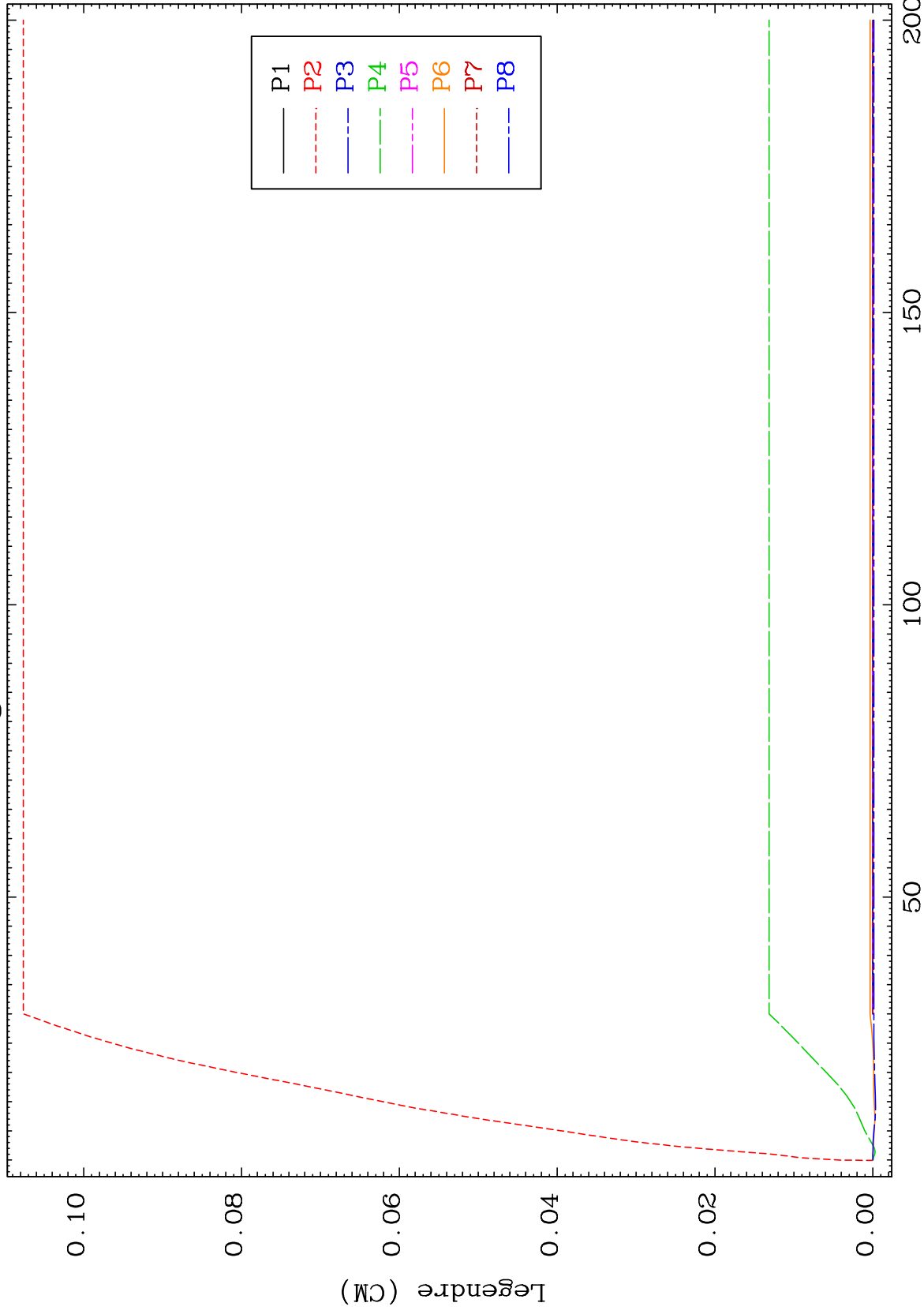


65 Incident Energy (MeV) 17-CI-37

MAT 1731

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

17-Cl-37



66

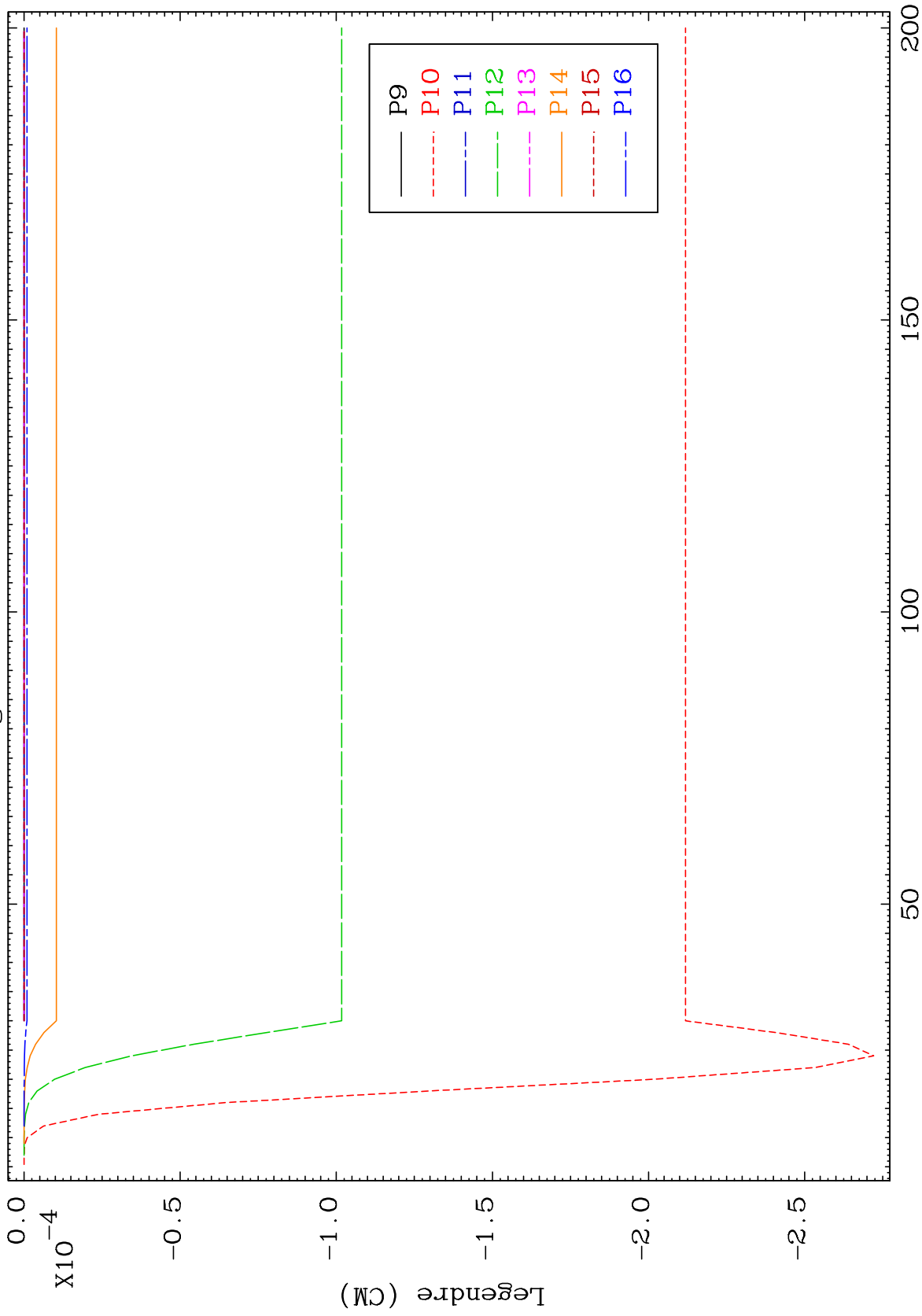
Incident Energy (MeV)

17-Cl-37

MAT 1731

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

17-Cl-37



67

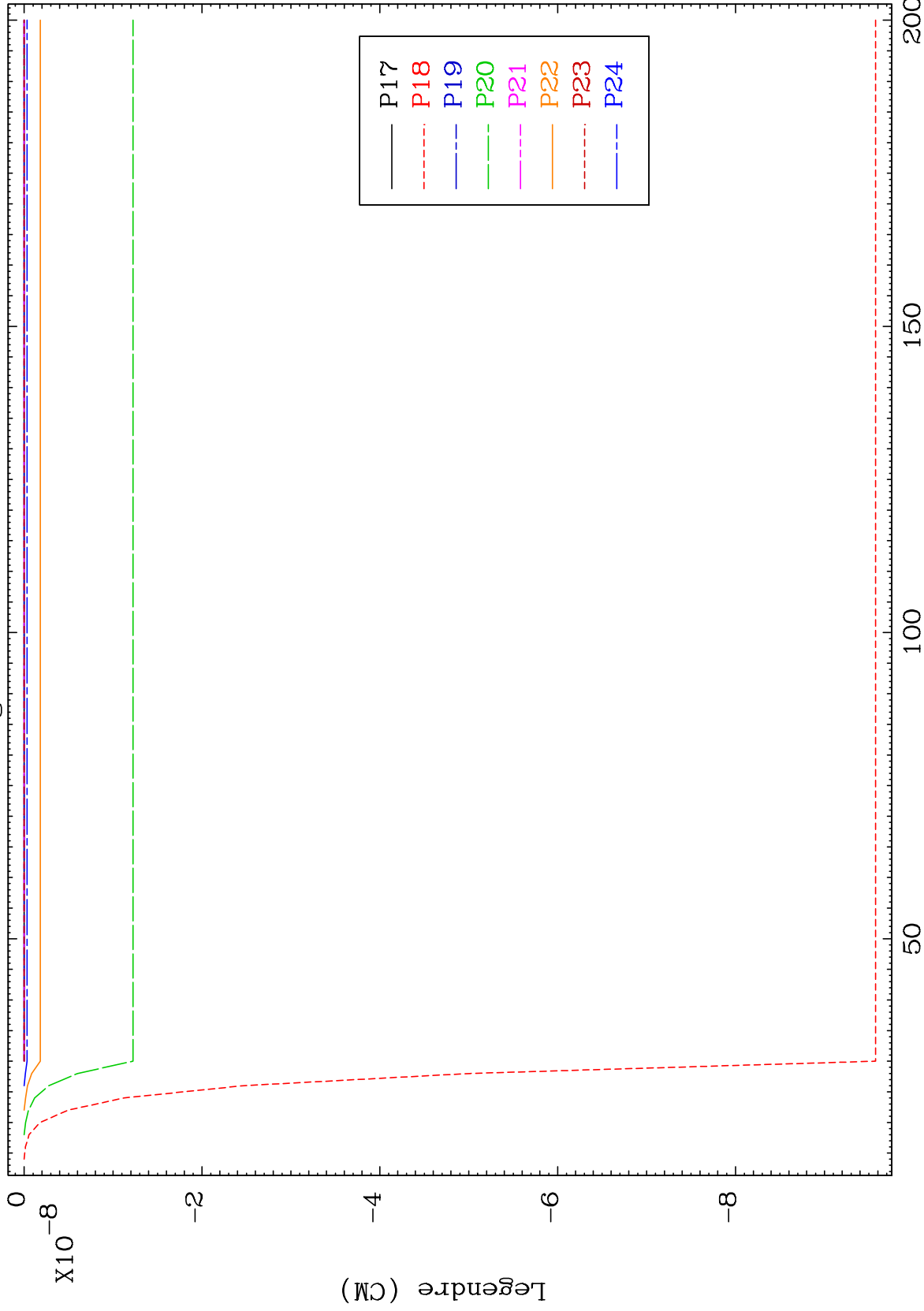
Incident Energy (MeV)

17-Cl-37

MAT 1731

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

17-C1-37



68

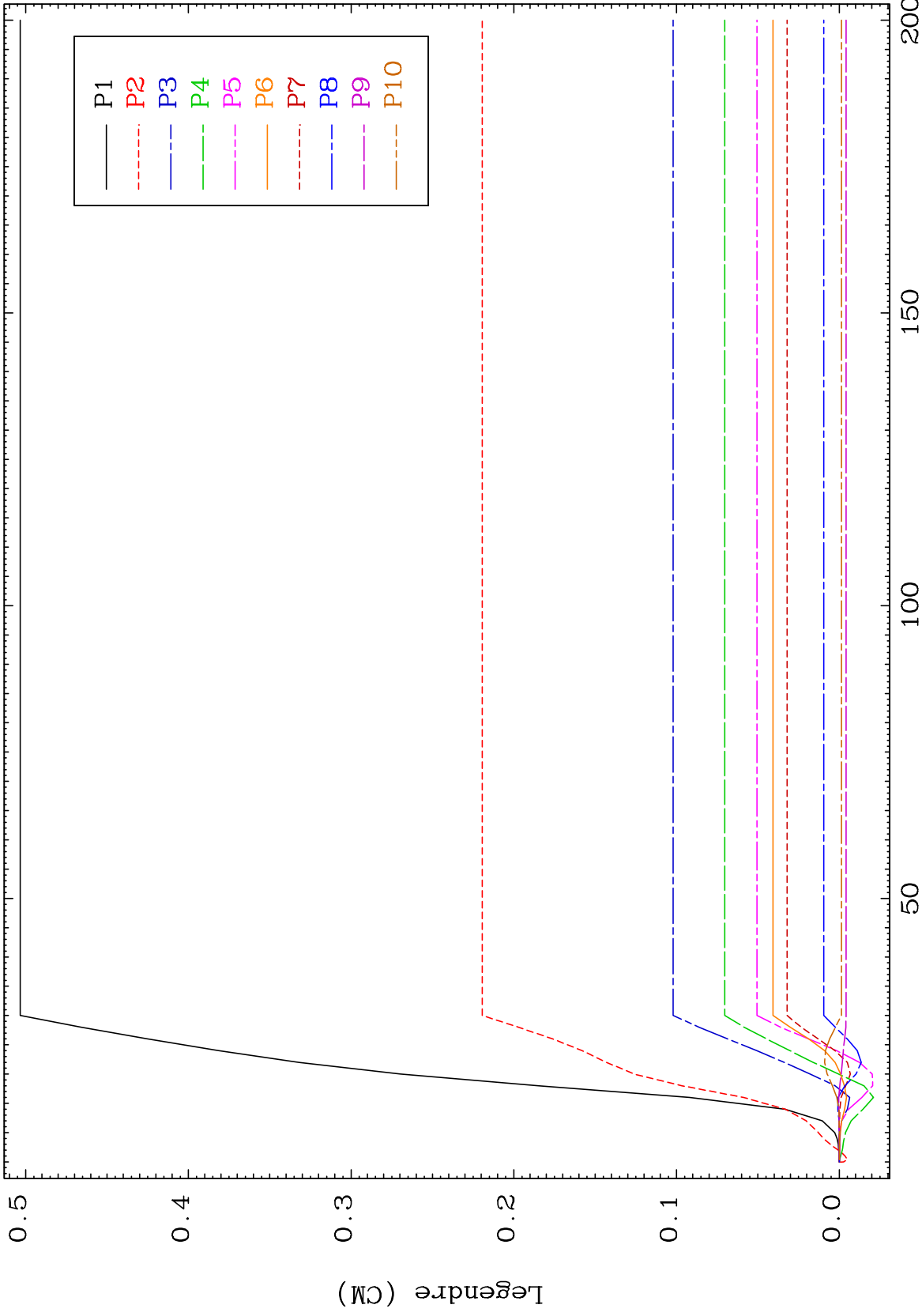
Incident Energy (MeV)

17-C1-37

MAT 1731

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

17-Cl-37



69

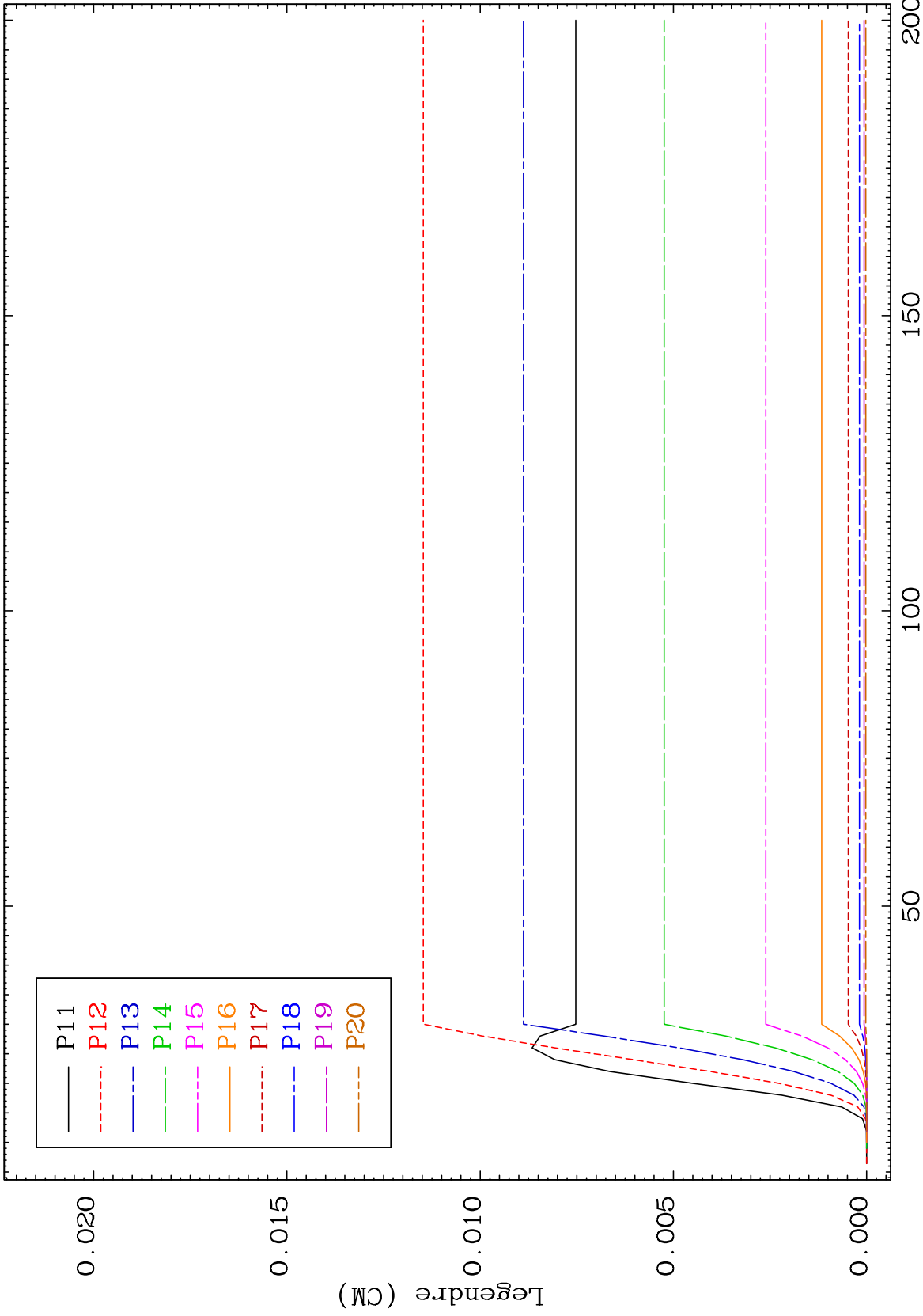
Incident Energy (MeV)

17-Cl-37

MAT 1731

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

17-Cl-37



70

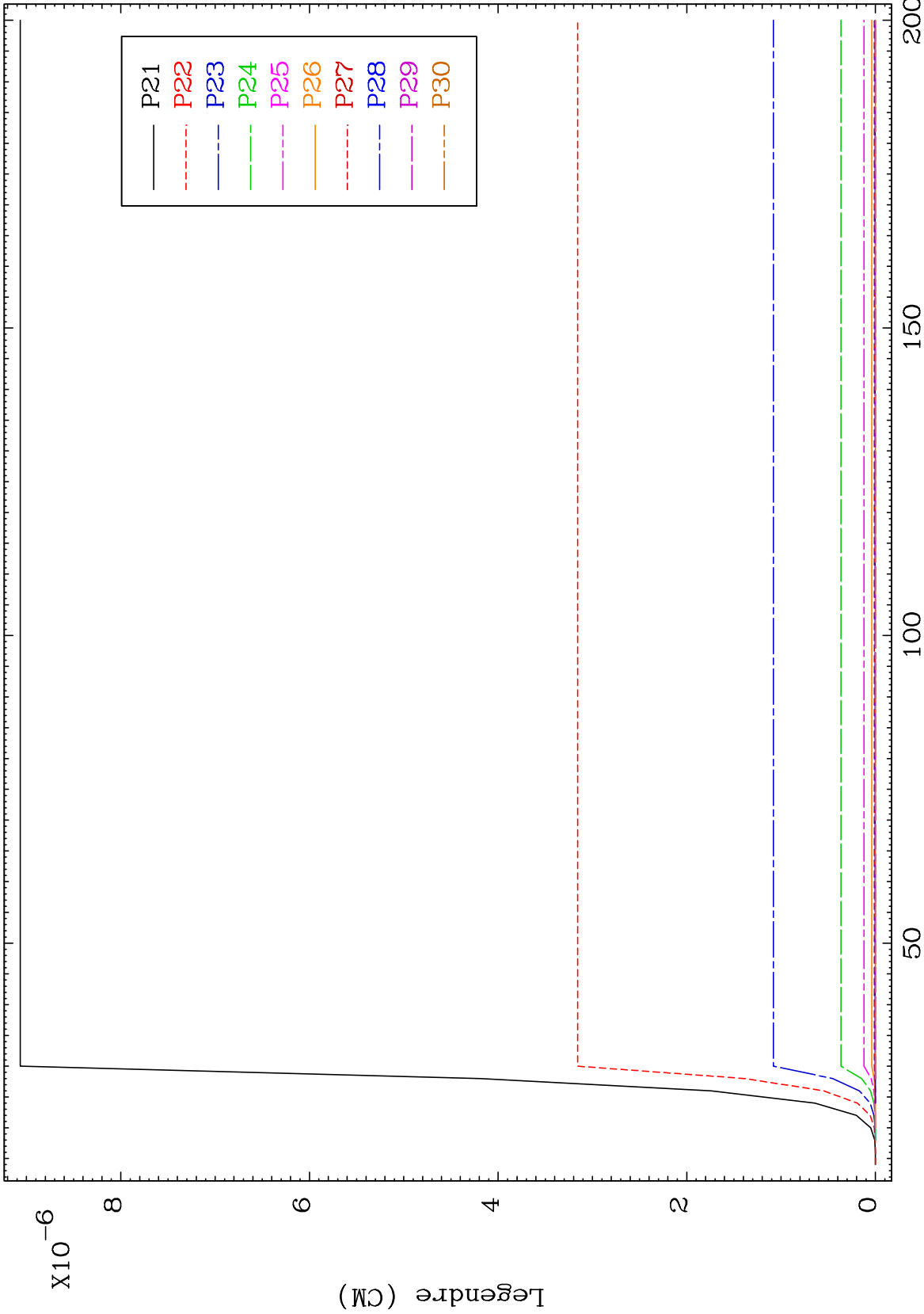
Incident Energy (MeV)

17-Cl-37

MAT 1731

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

17-Cl-37



71

Incident Energy (MeV)

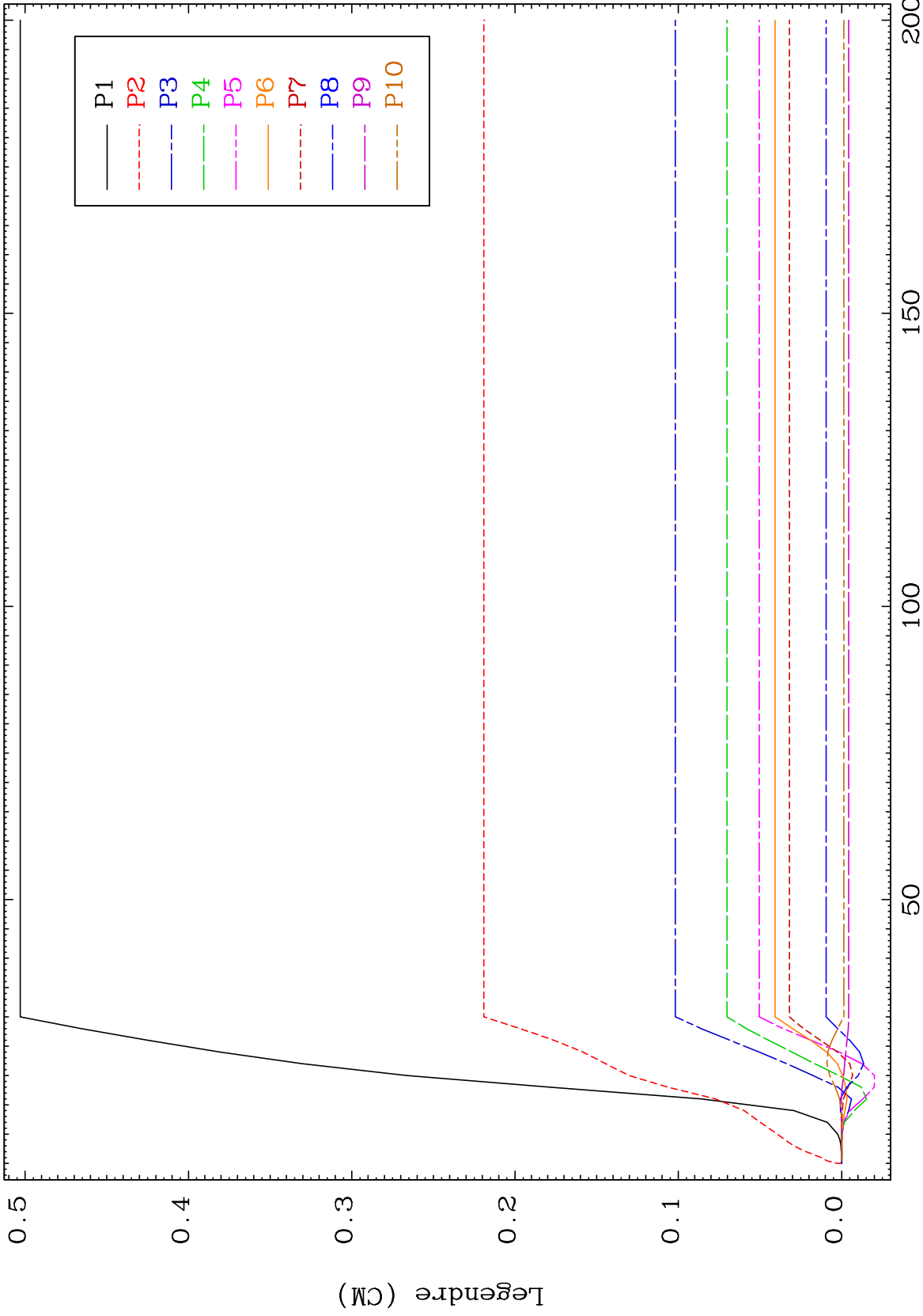
17-Cl-37



MAT 1731

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

17-Cl-37



72

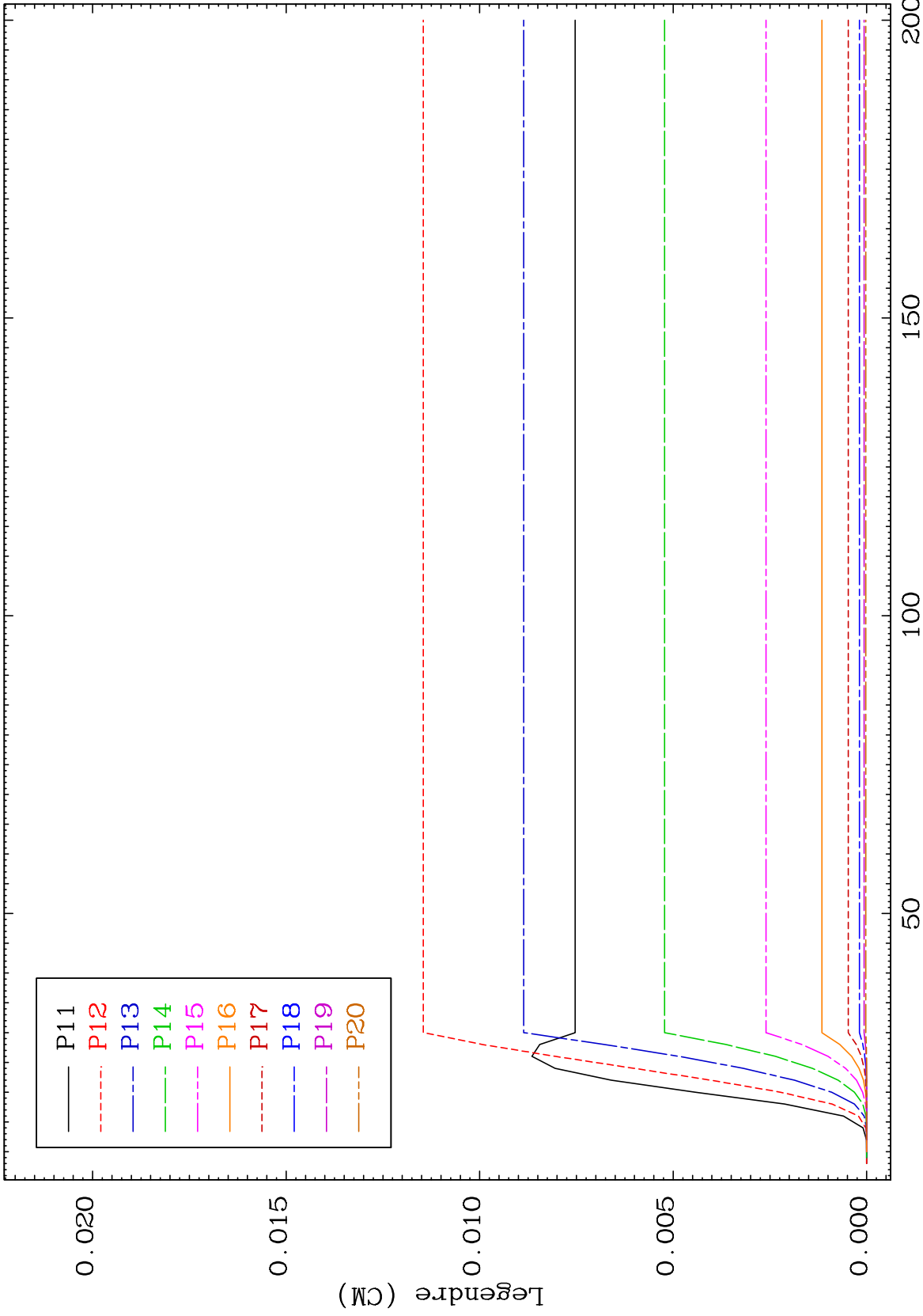
Incident Energy (MeV)

17-Cl-37

MAT 1731

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

17-Cl-37



73

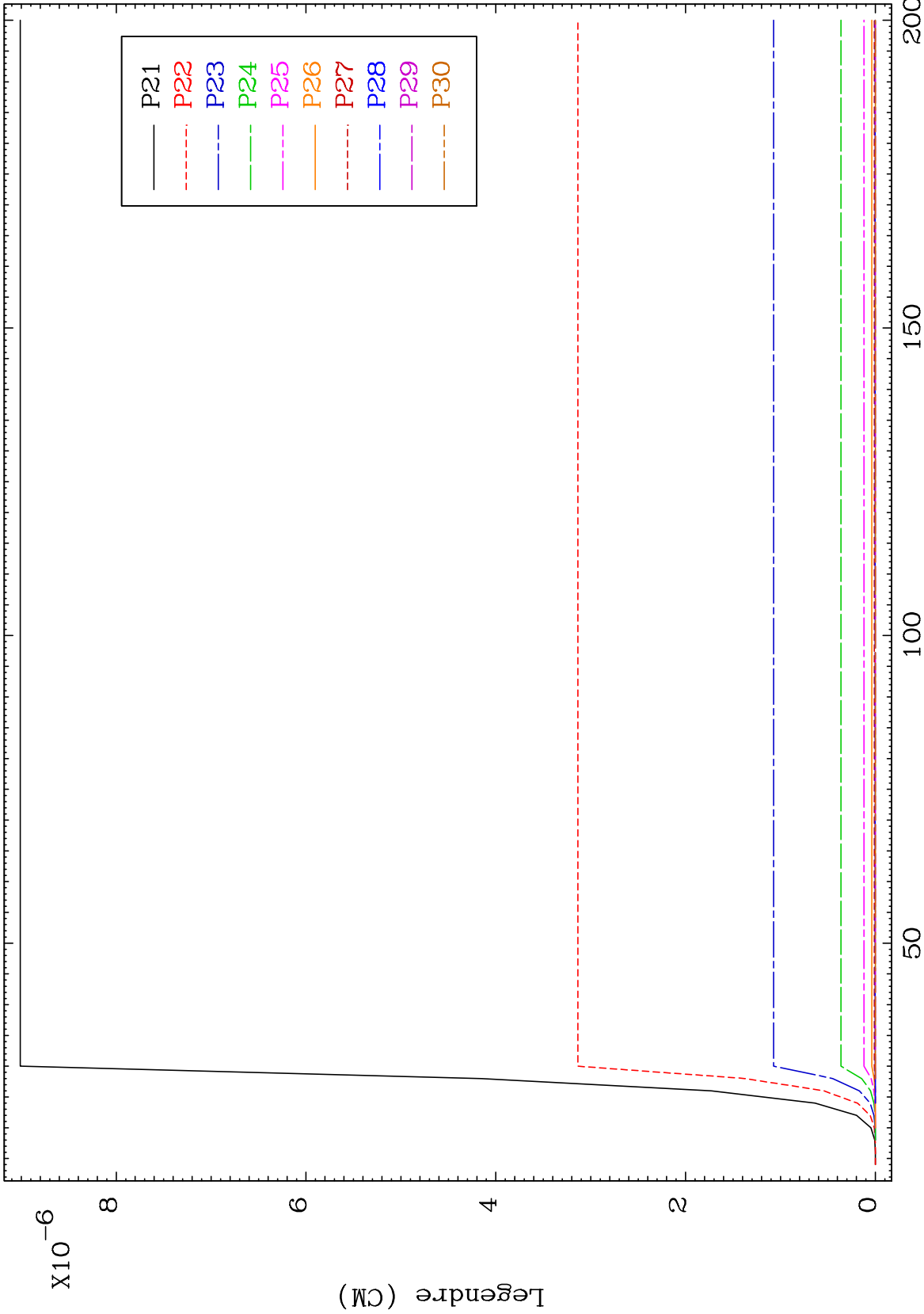
Incident Energy (MeV)

17-Cl-37

MAT 1731

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

17-Cl-37



74

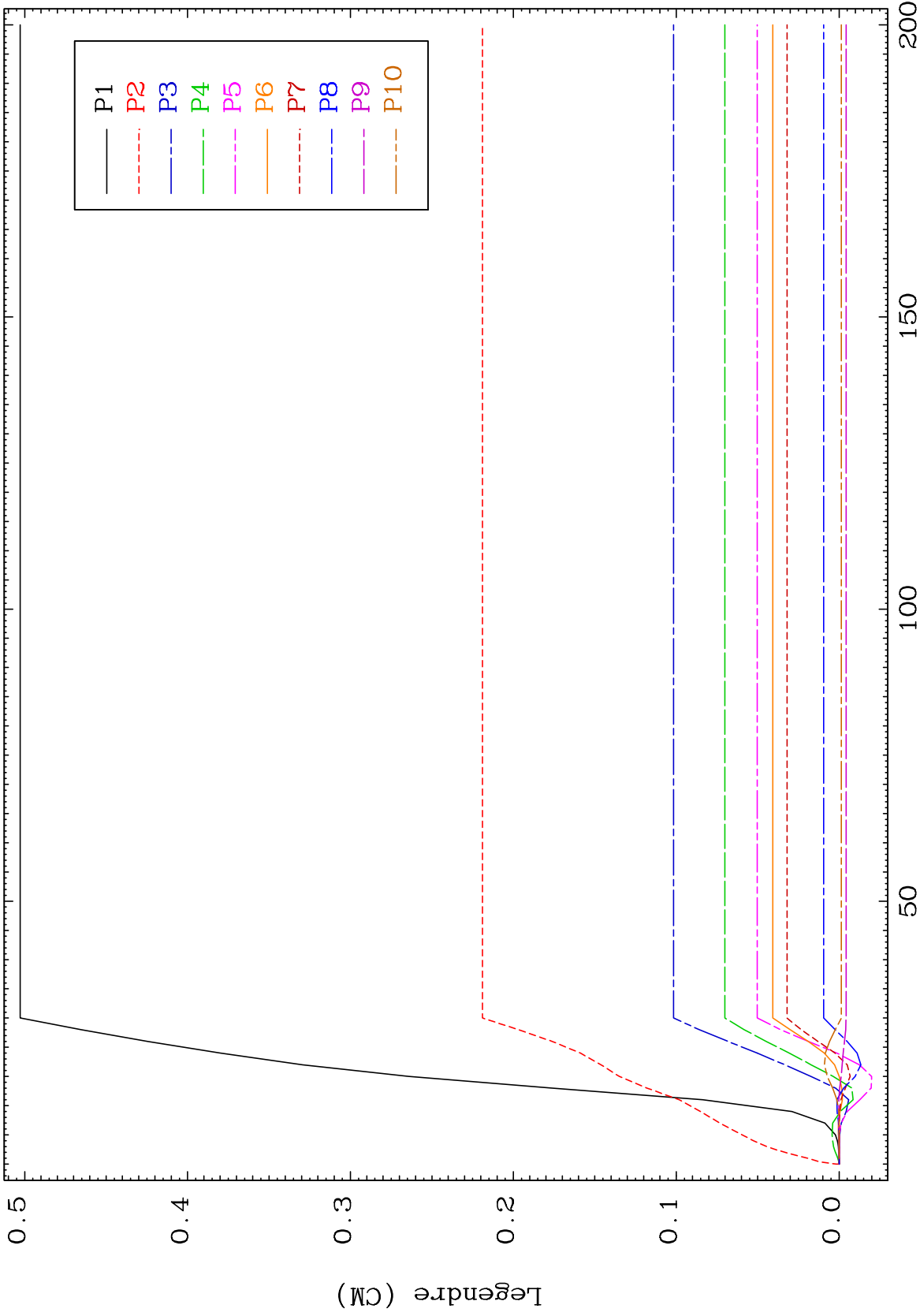
Incident Energy (MeV)

17-Cl-37

MAT 1731

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

17-Cl-37



75

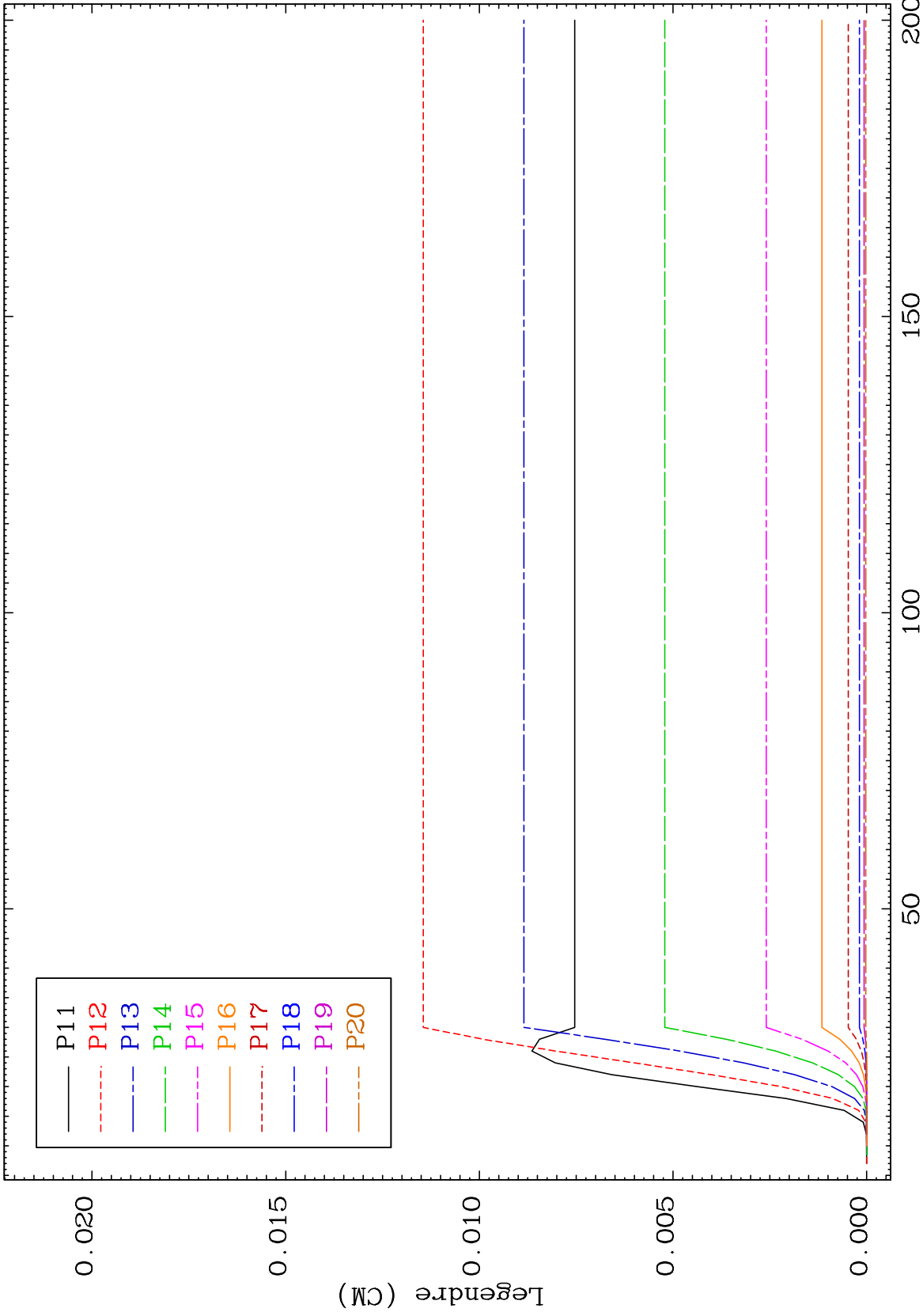
Incident Energy (MeV)

17-Cl-37

MAT 1731

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

17-Cl-37



76

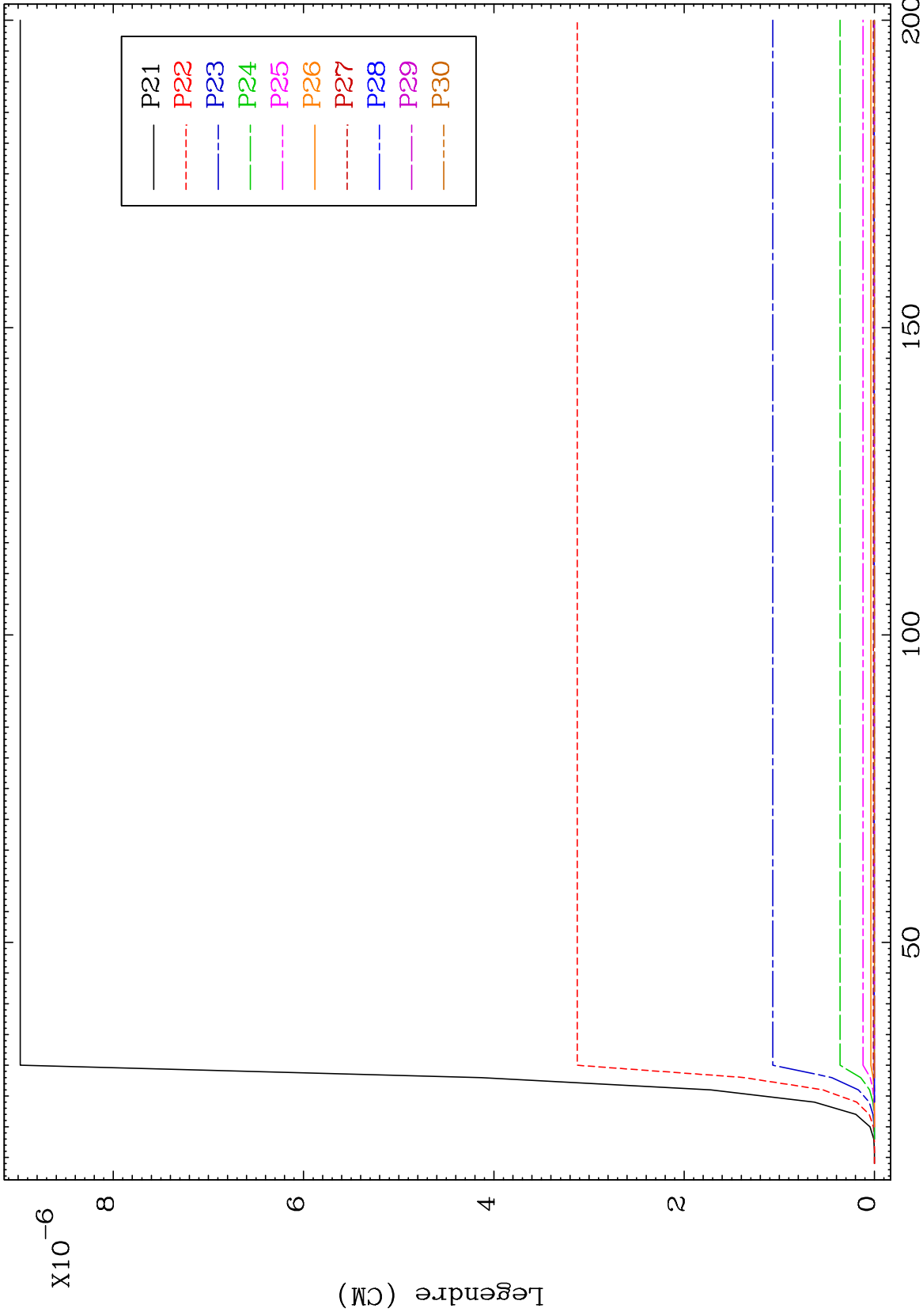
Incident Energy (MeV)

17-Cl-37

MAT 1731

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

17-Cl-37



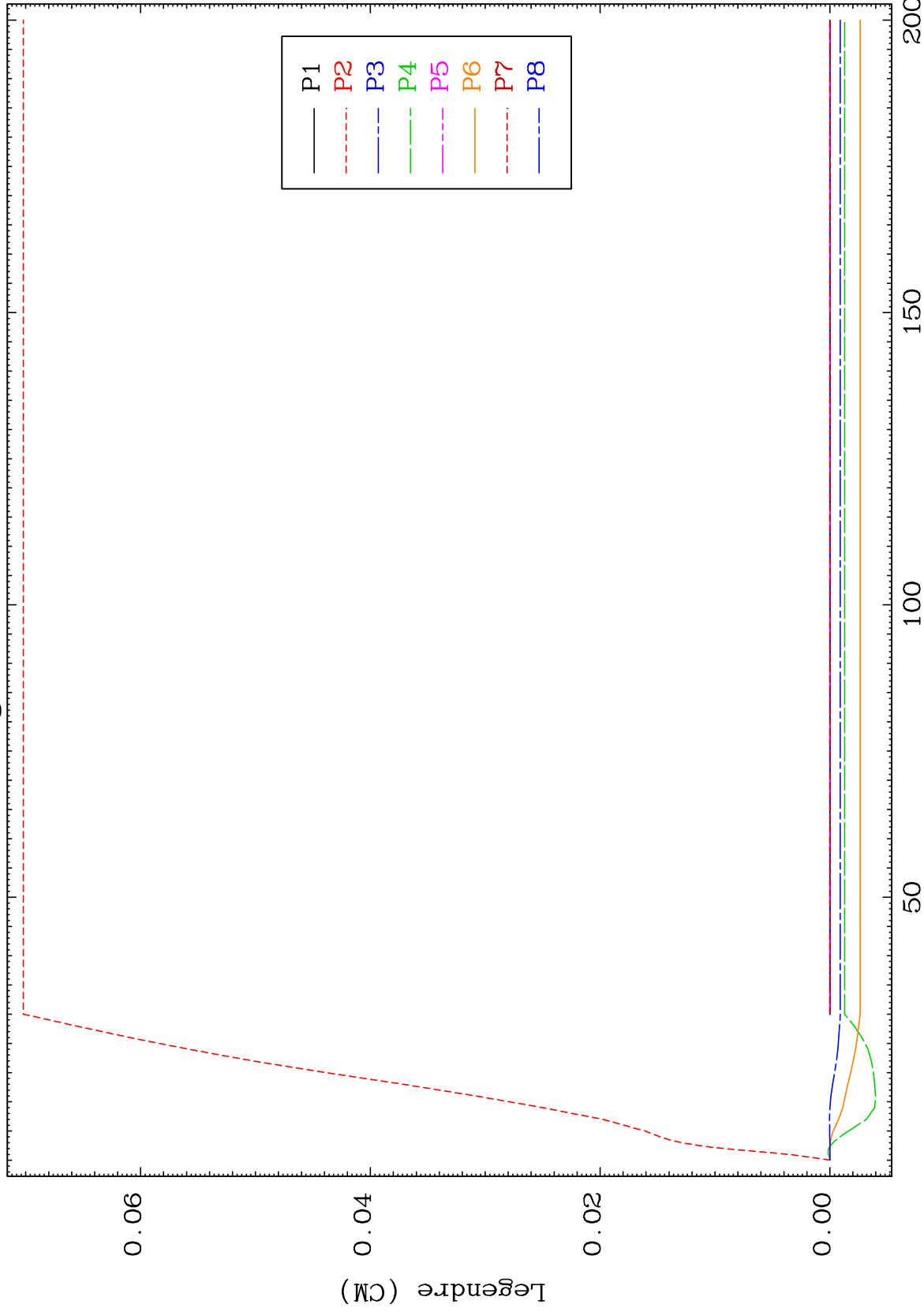
77

17-Cl-37

MAT 1731

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

17-Cl-37



78

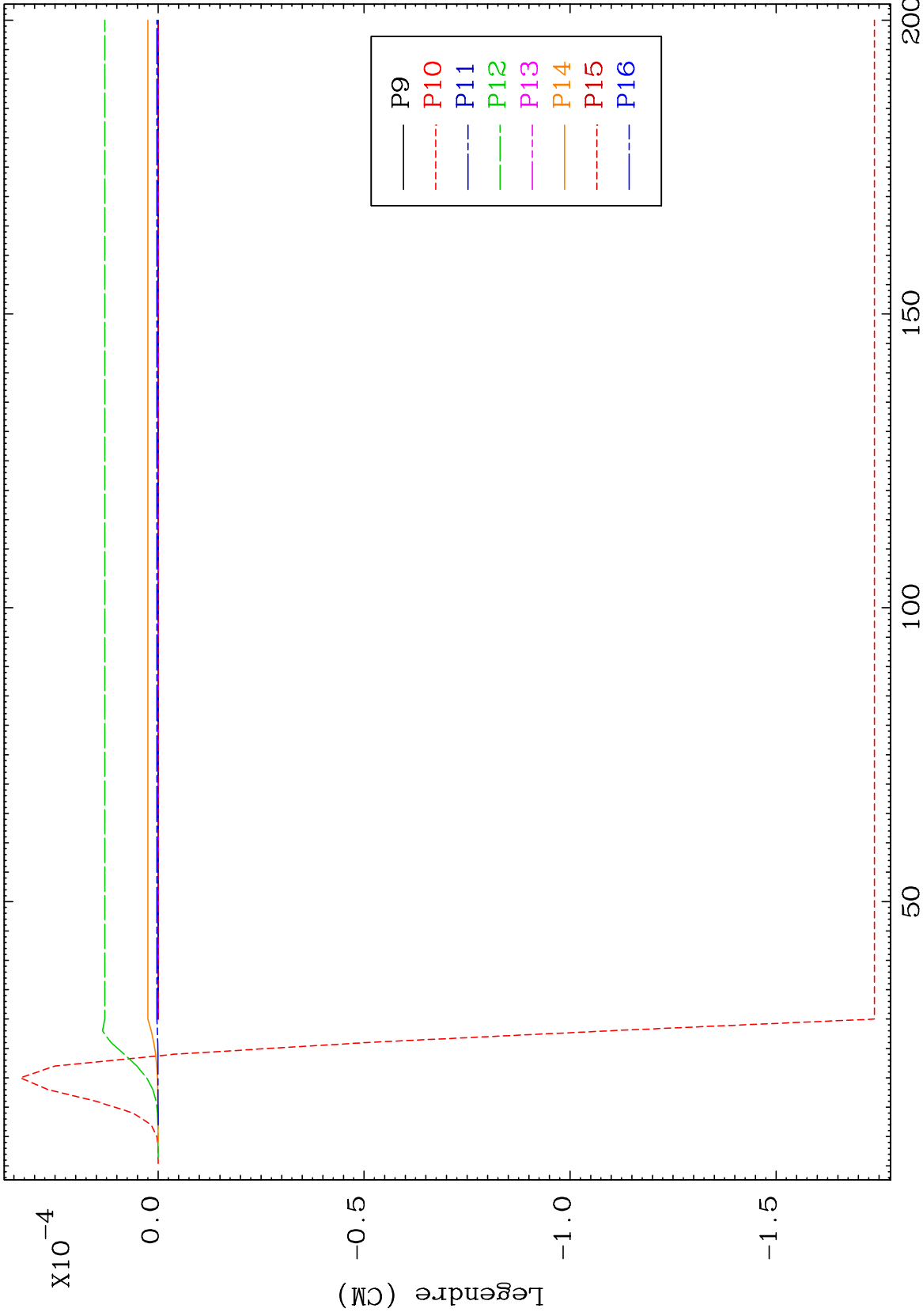
Incident Energy (MeV)

17-Cl-37

MAT 1731

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

17-Cl-37



79

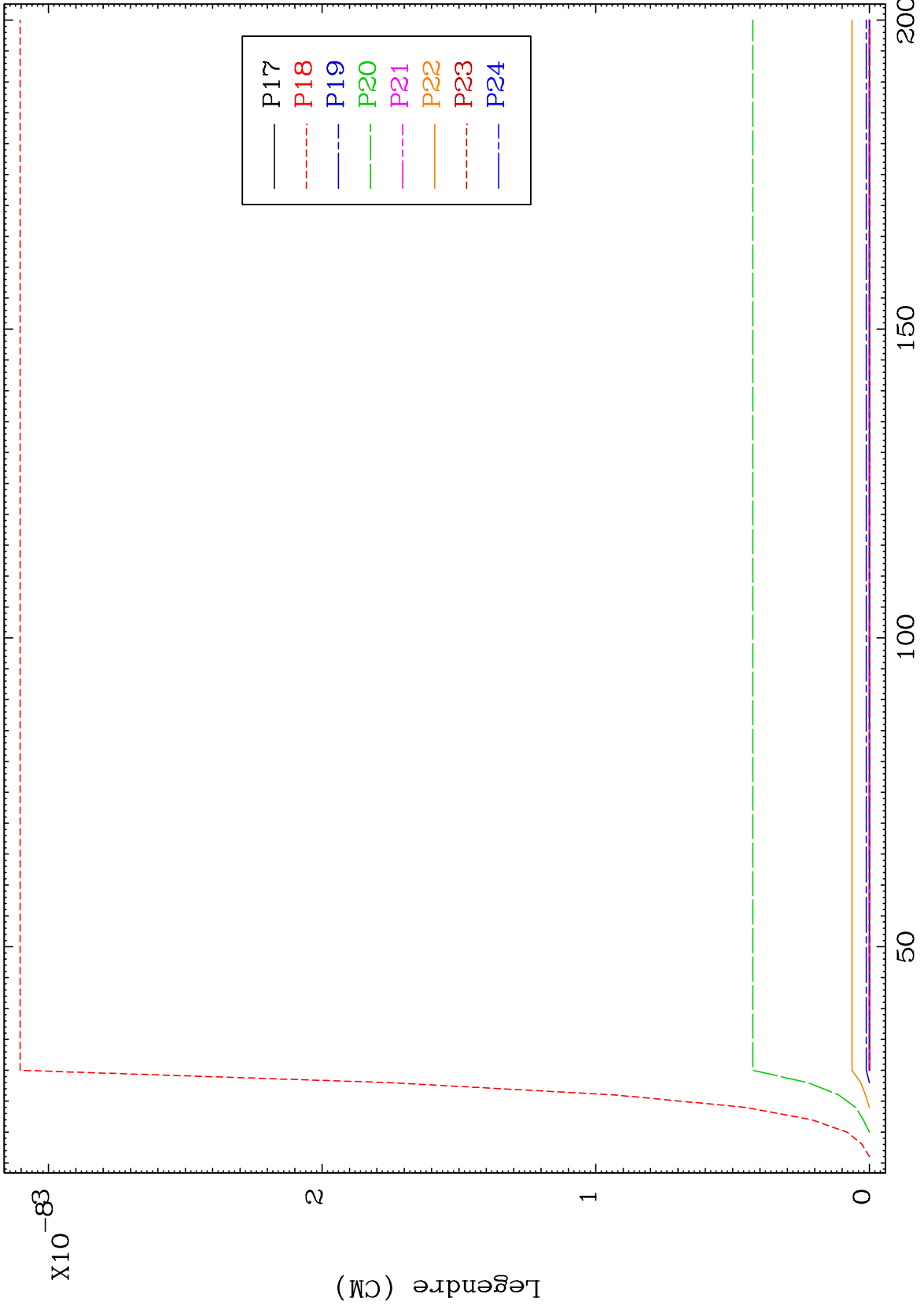
17-Cl-37



MAT 1731 MT= 71 (n,n') Level Legendre Coefficients

17-Cl-37

17-Cl-37



80

50

100

150

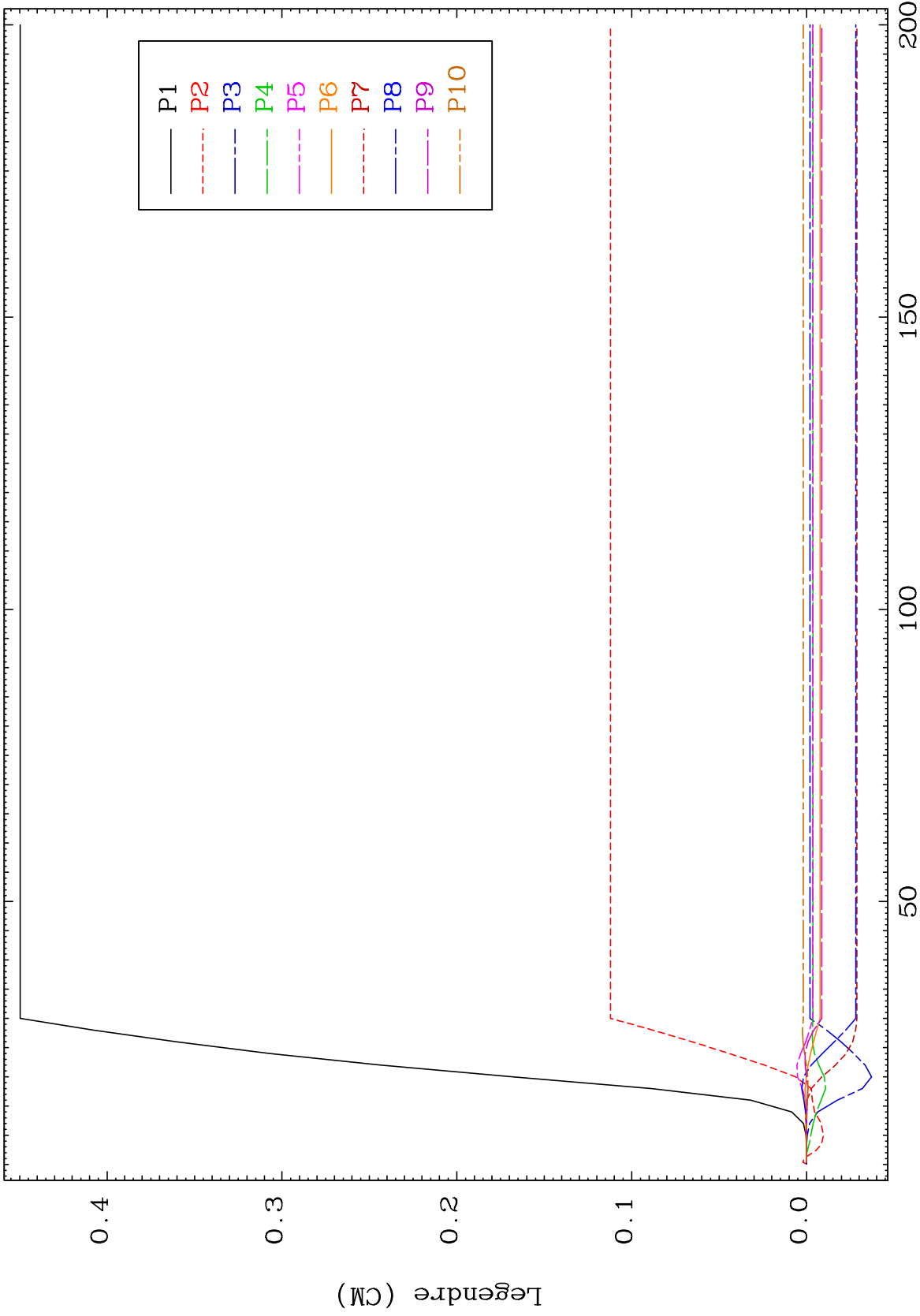
200

$\times 10^{-83}$

MAT 1731

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

17-Cl-37



81

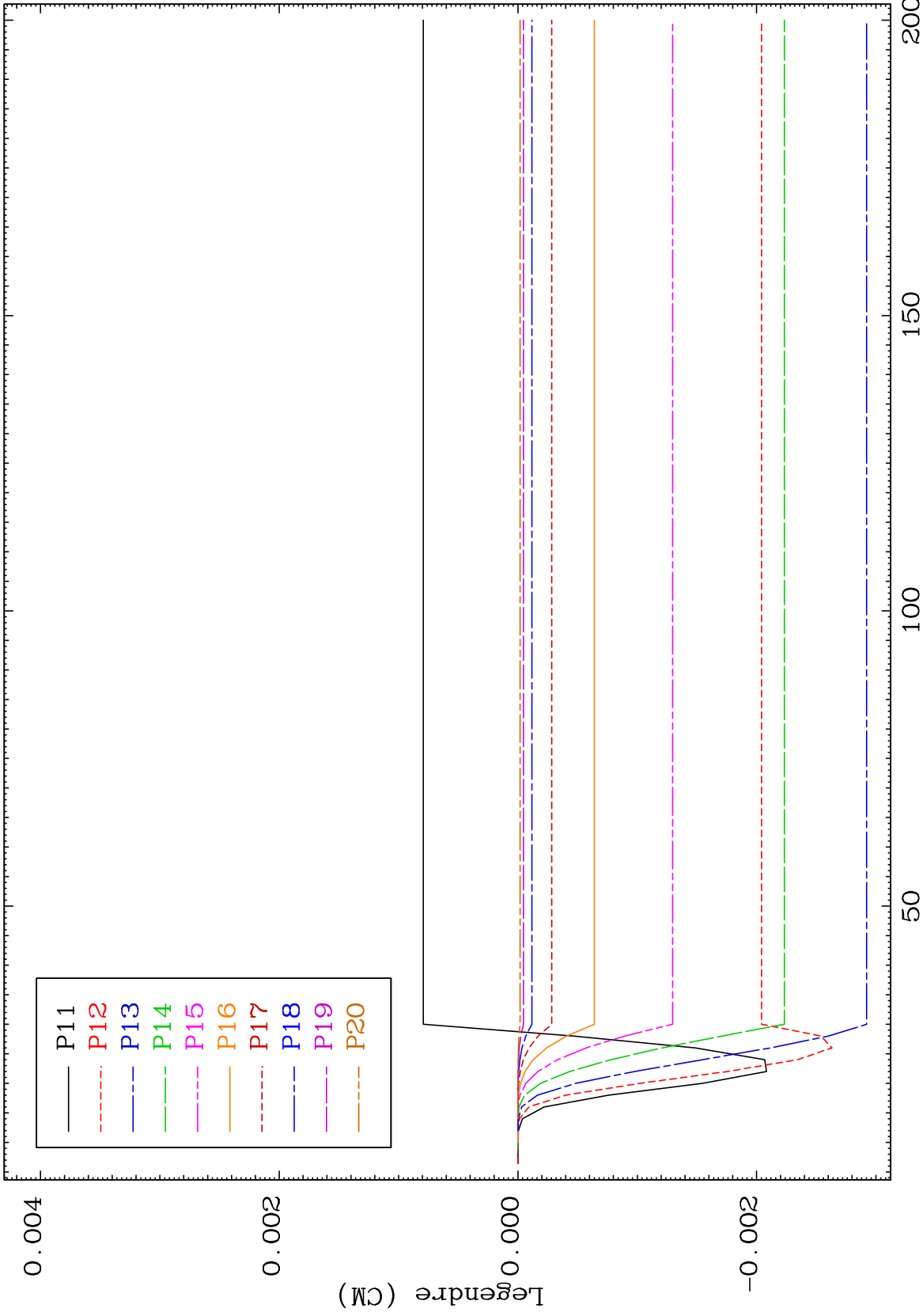
Incident Energy (MeV)

17-Cl-37

MAT 1731

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

17-Cl-37



82

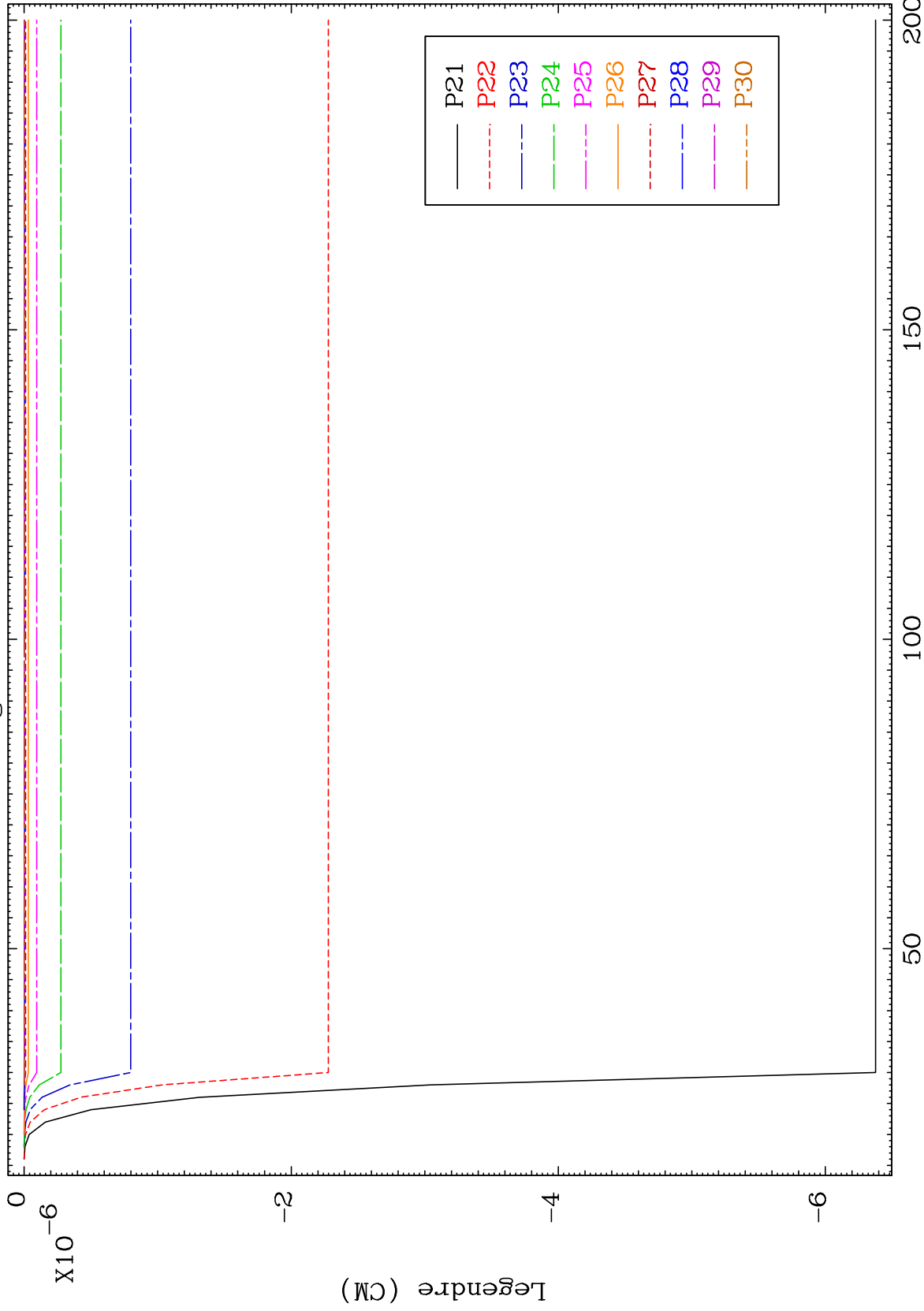
Incident Energy (MeV)

17-Cl-37

MAT 1731

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

17-Cl-37



83

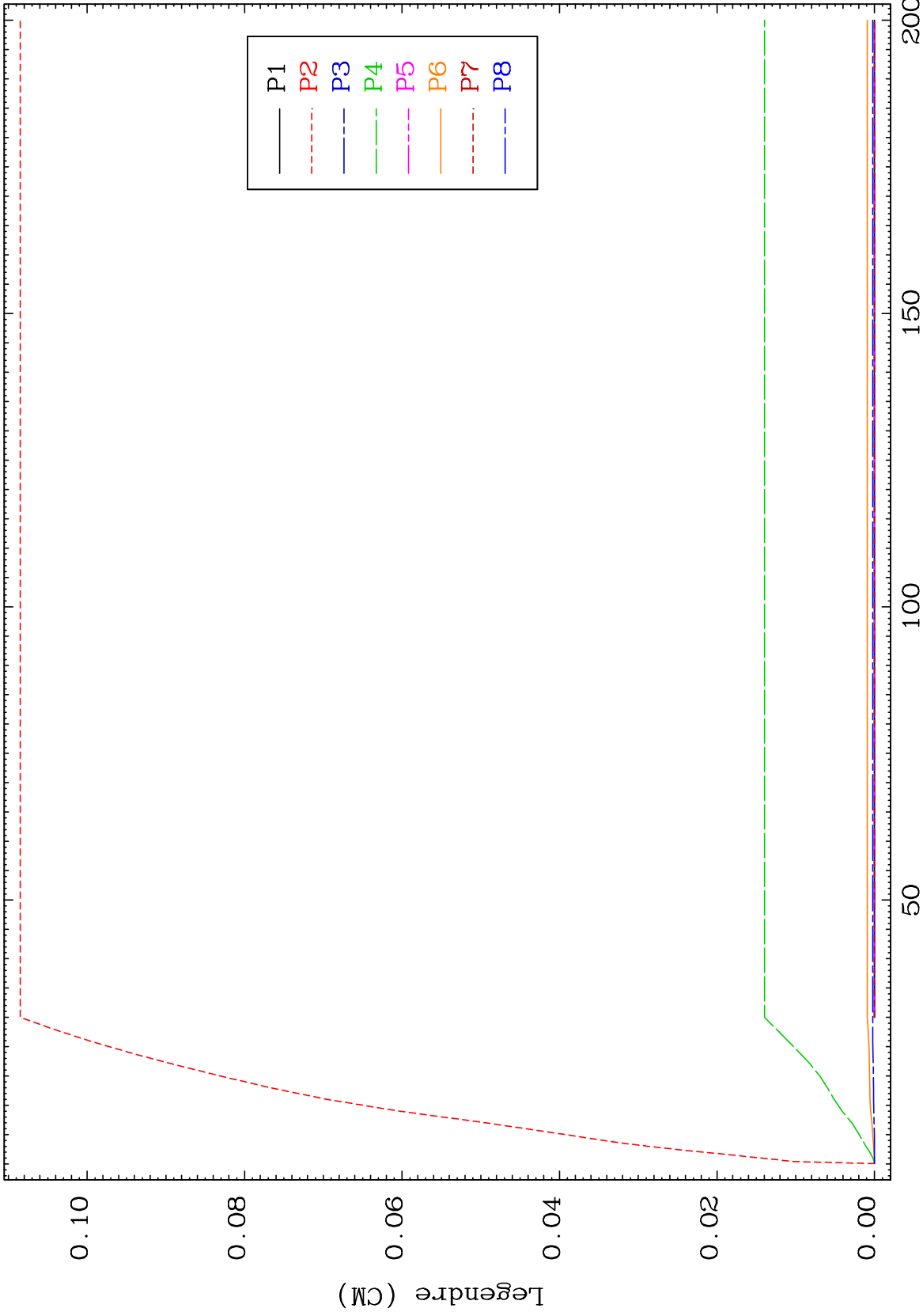
Incident Energy (MeV)

17-Cl-37

MAT 1731

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

17-CI-37



84

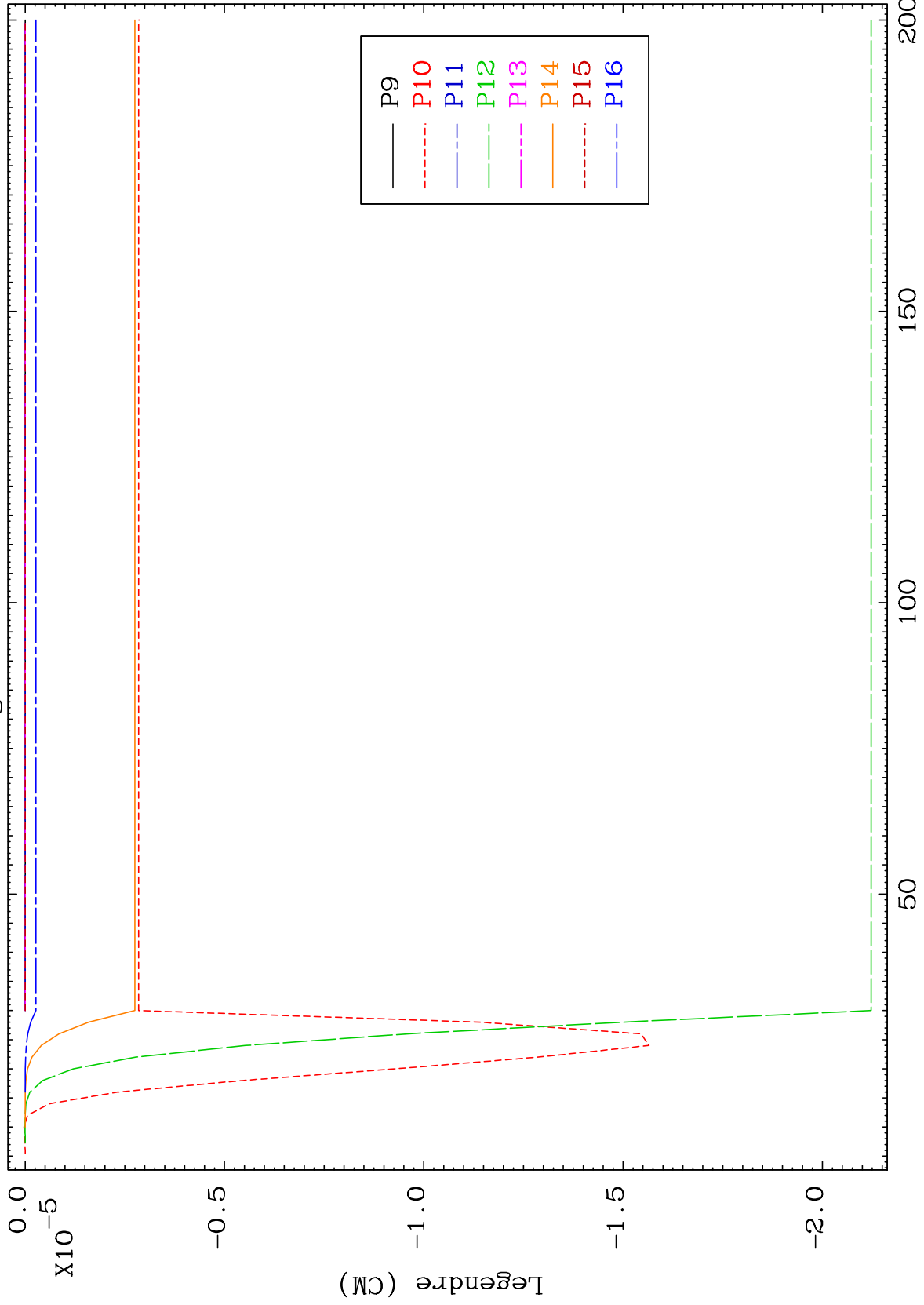
Incident Energy (MeV)

17-CI-37

MAT 1731

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

17-CI-37

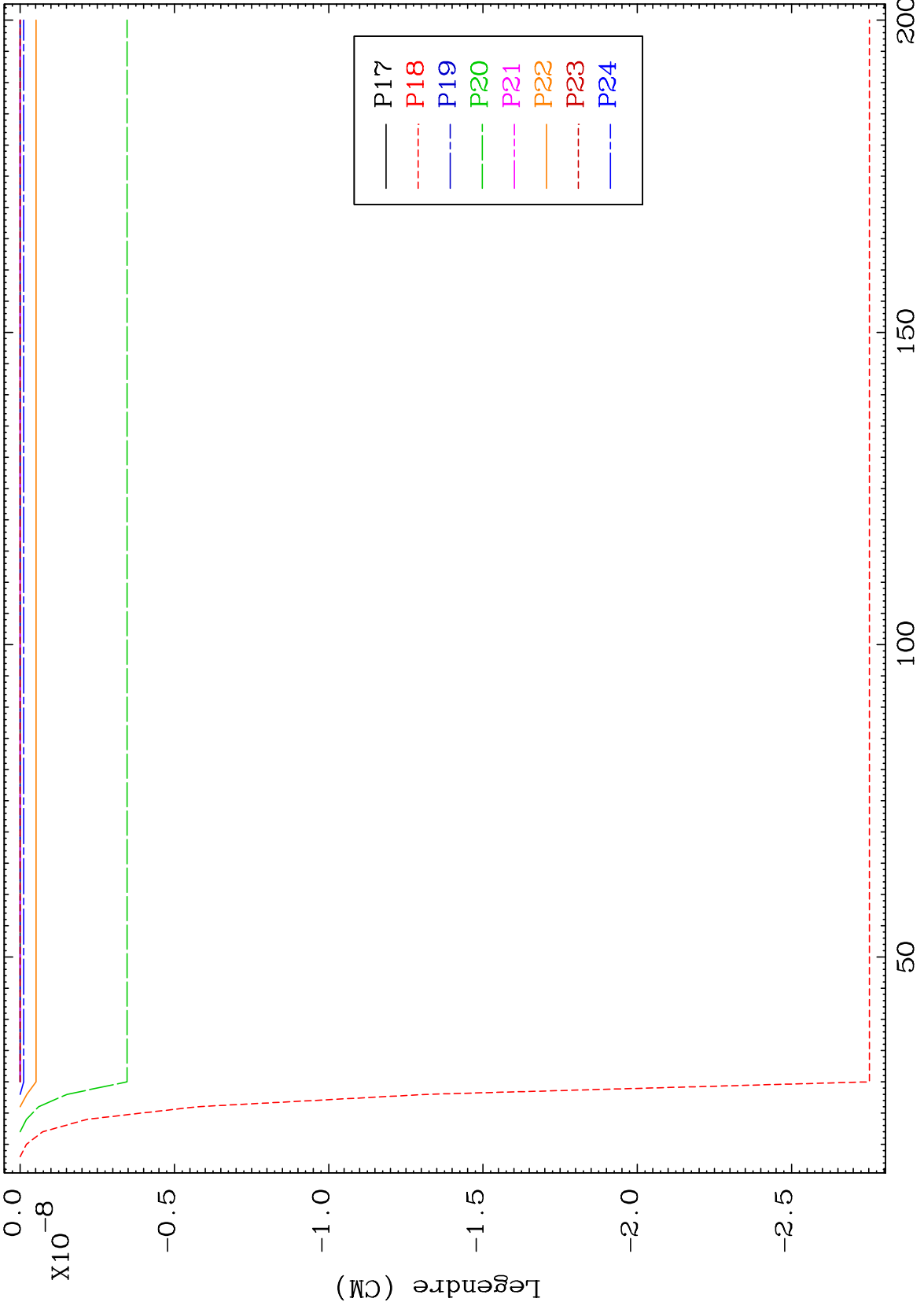


17-CI-37

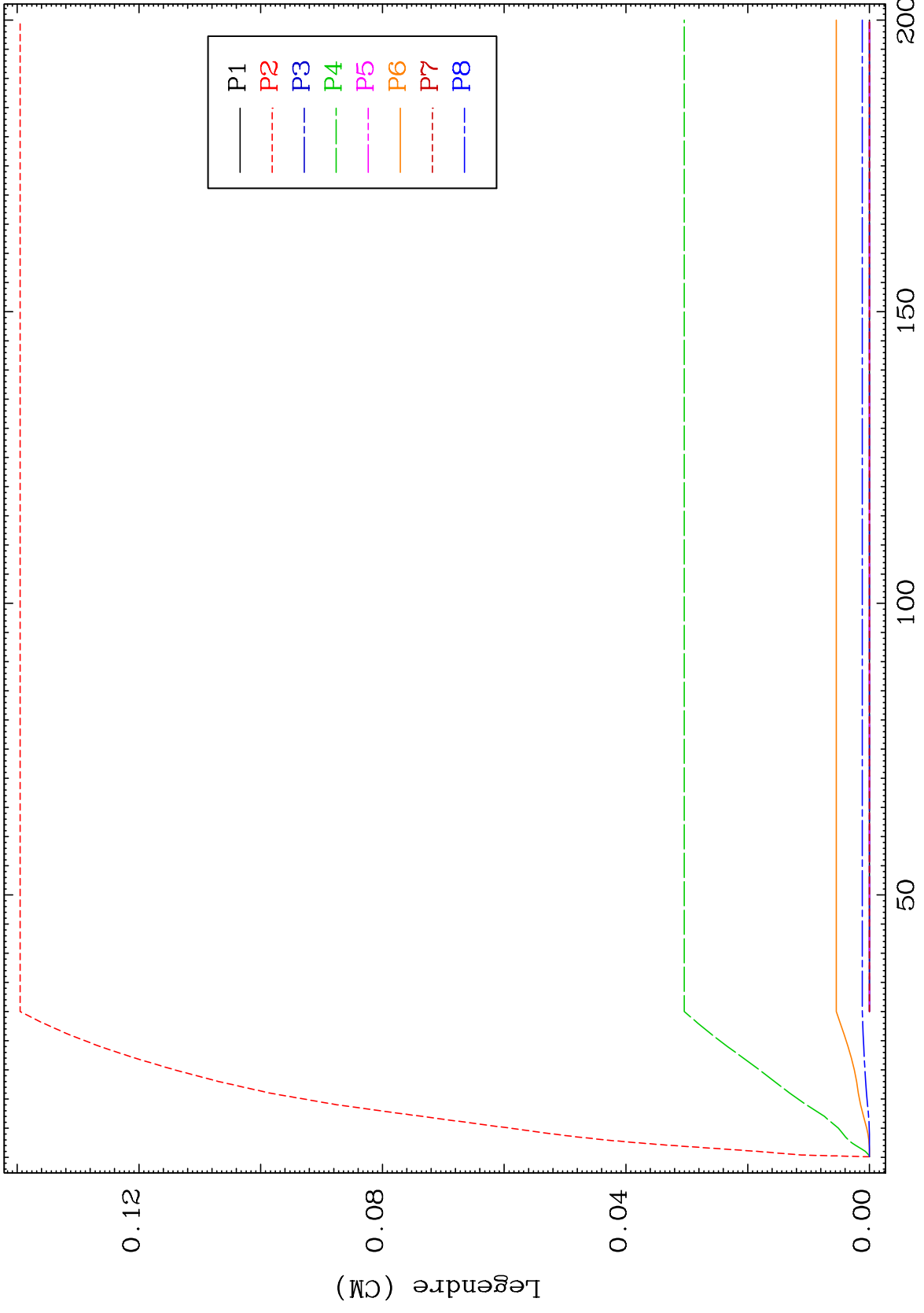
Incident Energy (MeV)

85

MAT 1731 MT= 73 (n,n') Level Legendre Coefficients 17-CI-37



MAT 1731 MT= 74 (n,n') Level Legendre Coefficients 17-Cl-37



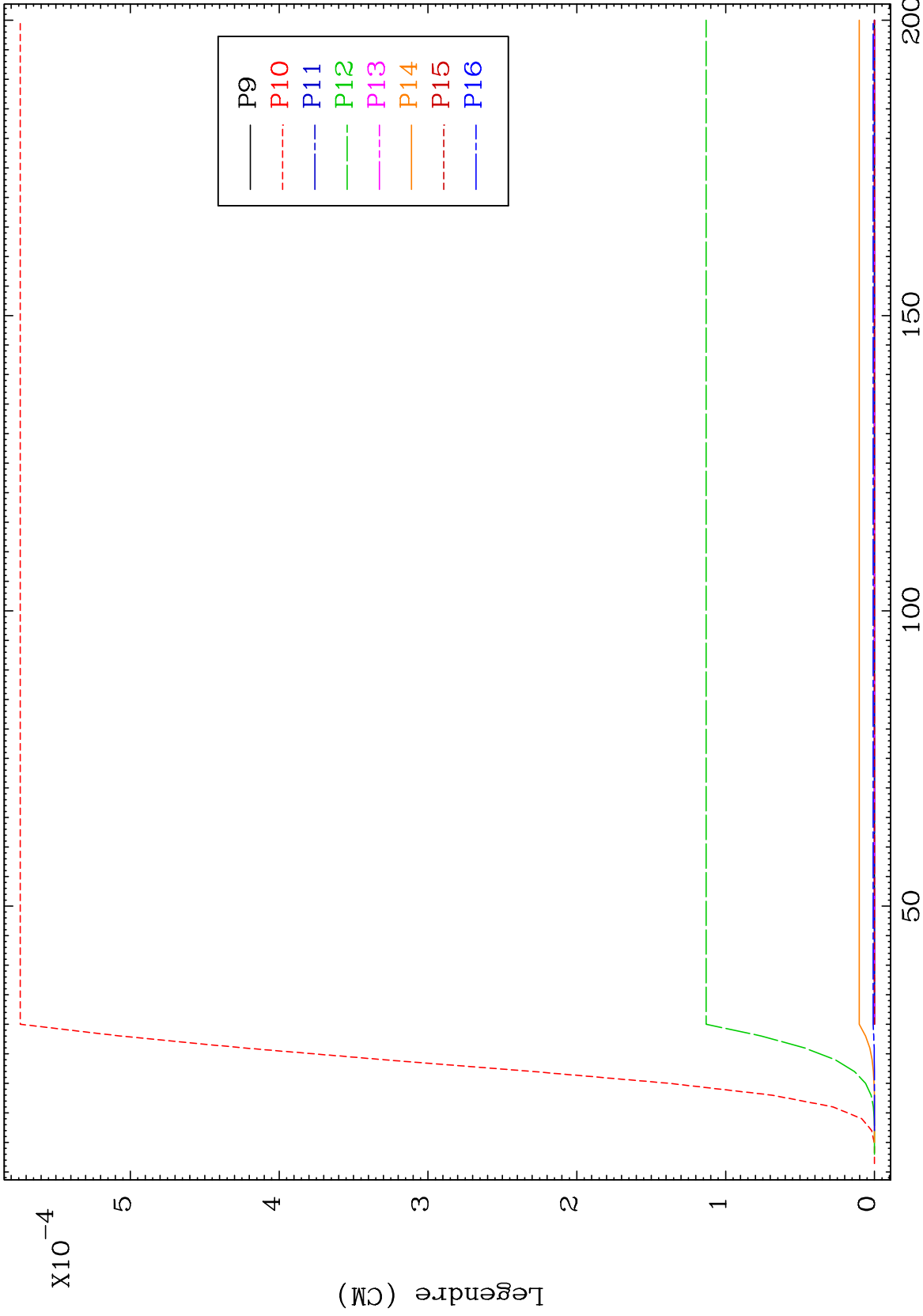
87 17-Cl-37



MAT 1731

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

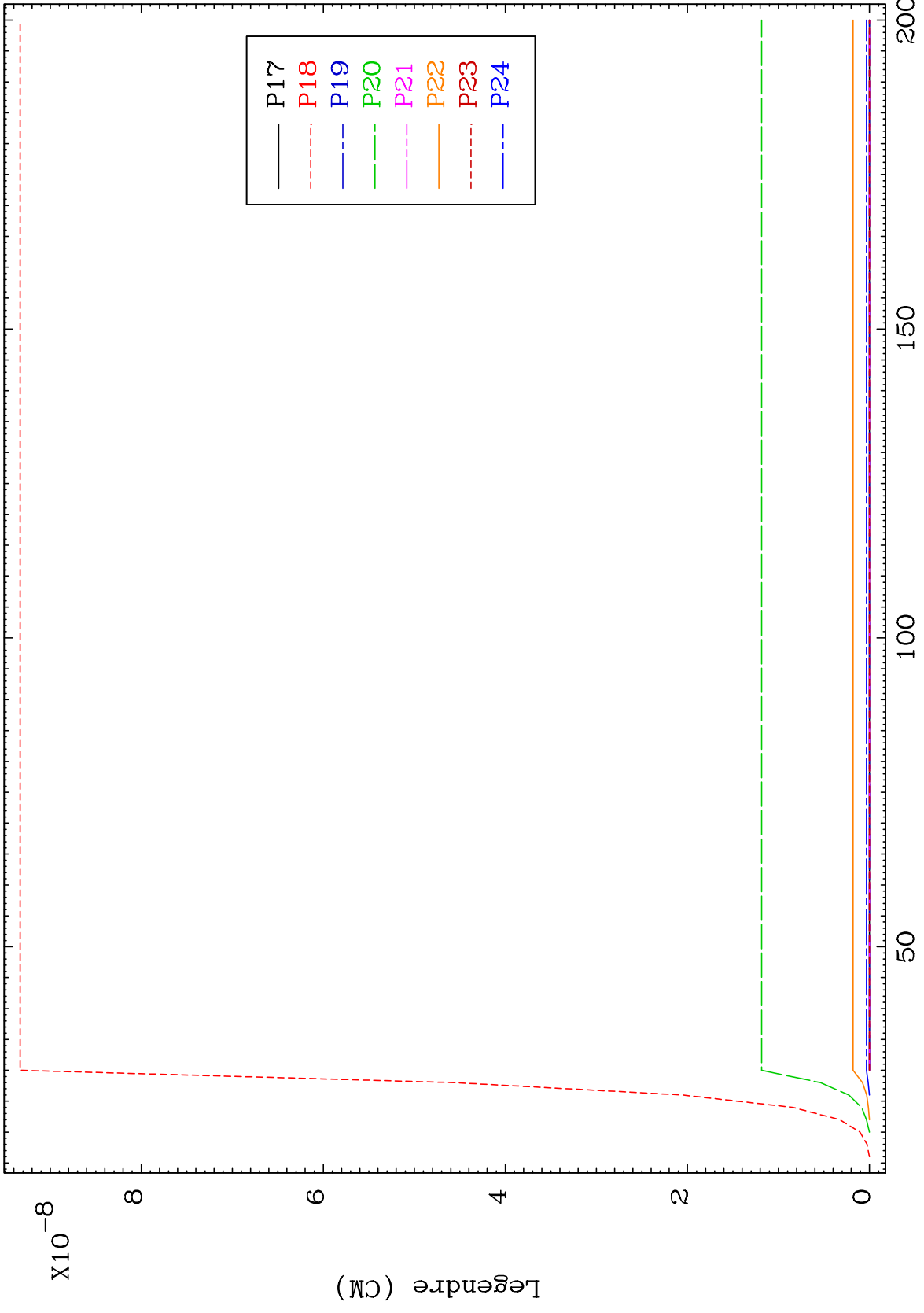
17-Cl-37



88

17-Cl-37

MAT 1731 MT= 74 (n,n') Level Legendre Coefficients 17-Cl-37

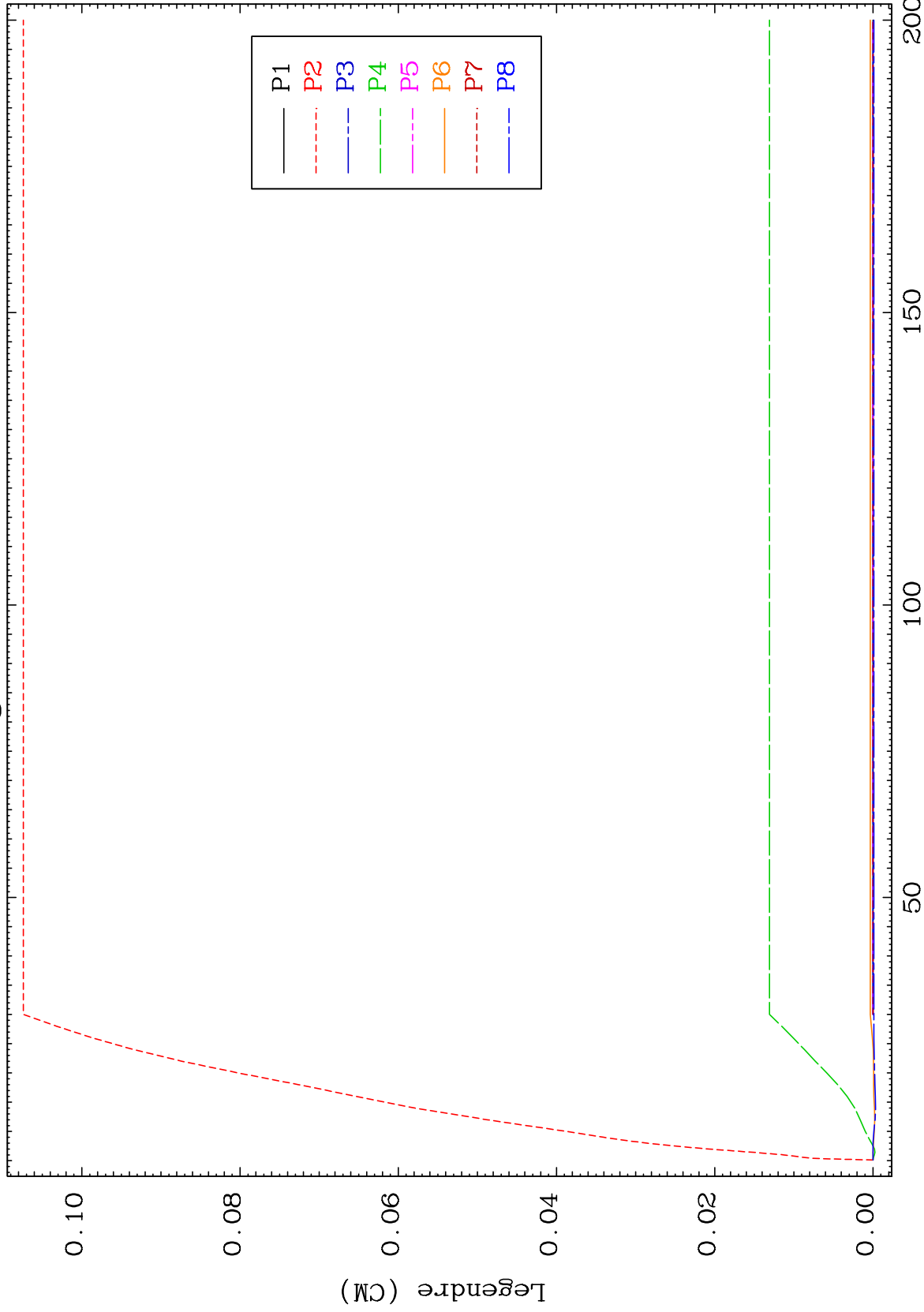


89 17-Cl-37

MAT 1731

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

17-Cl-37



17-Cl-37

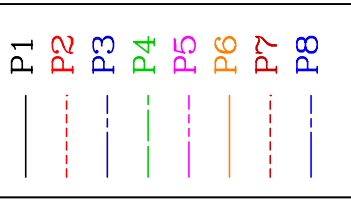
Incident Energy (MeV)

90

150

200

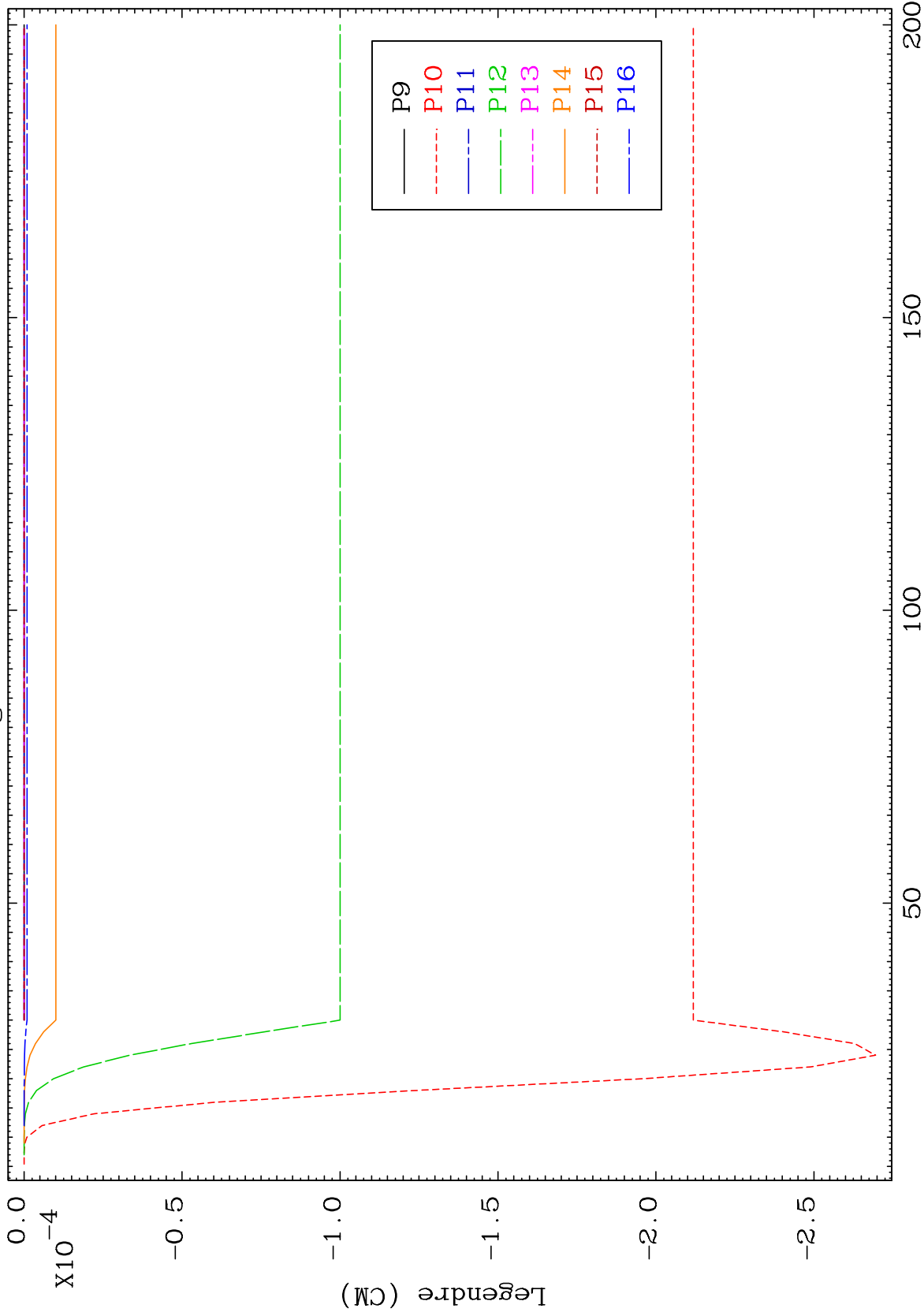
Legendre (CM)



MAT 1731

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

17-Cl-37



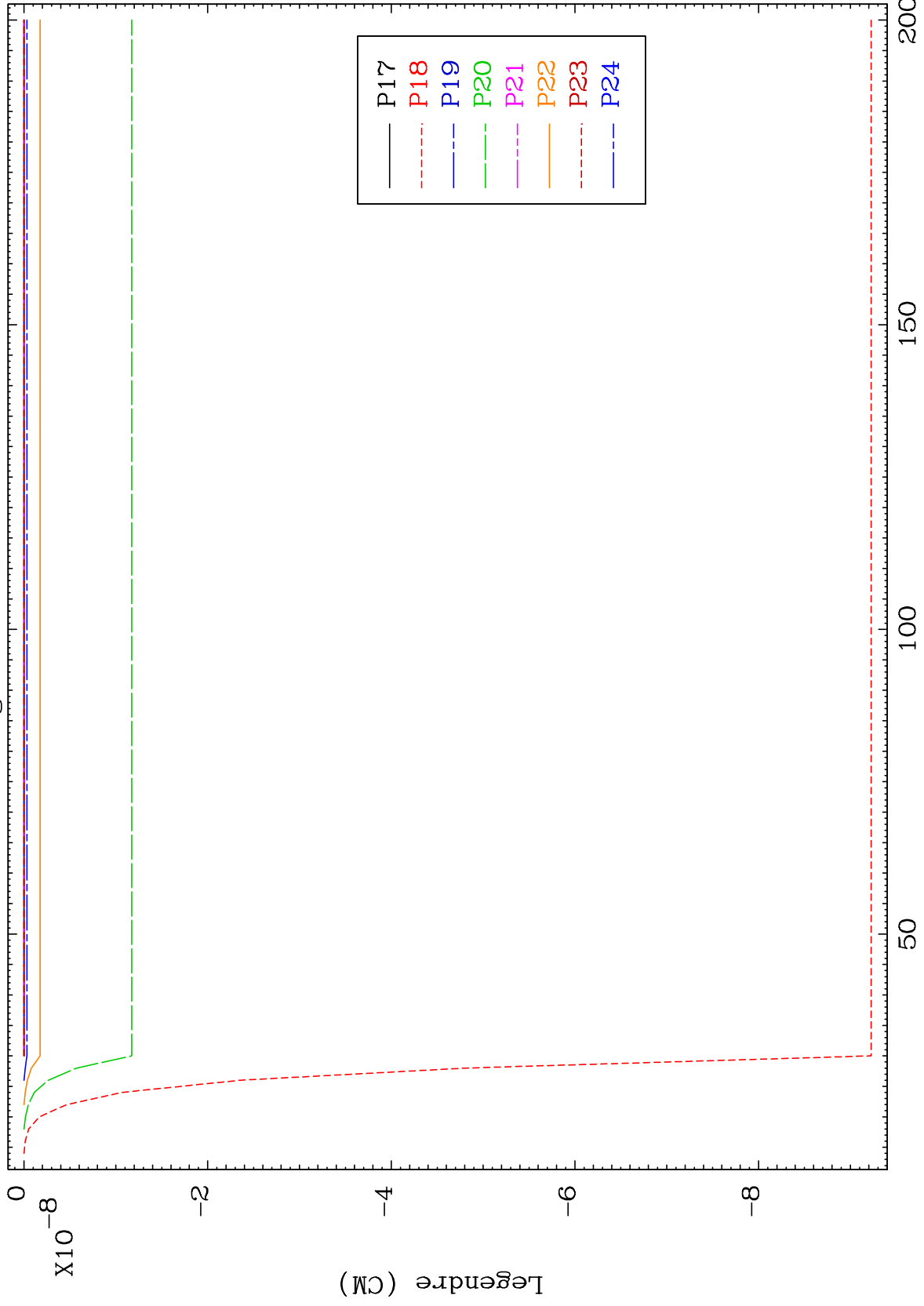
91

17-Cl-37

MAT 1731

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

17-C1-37



17-C1-37

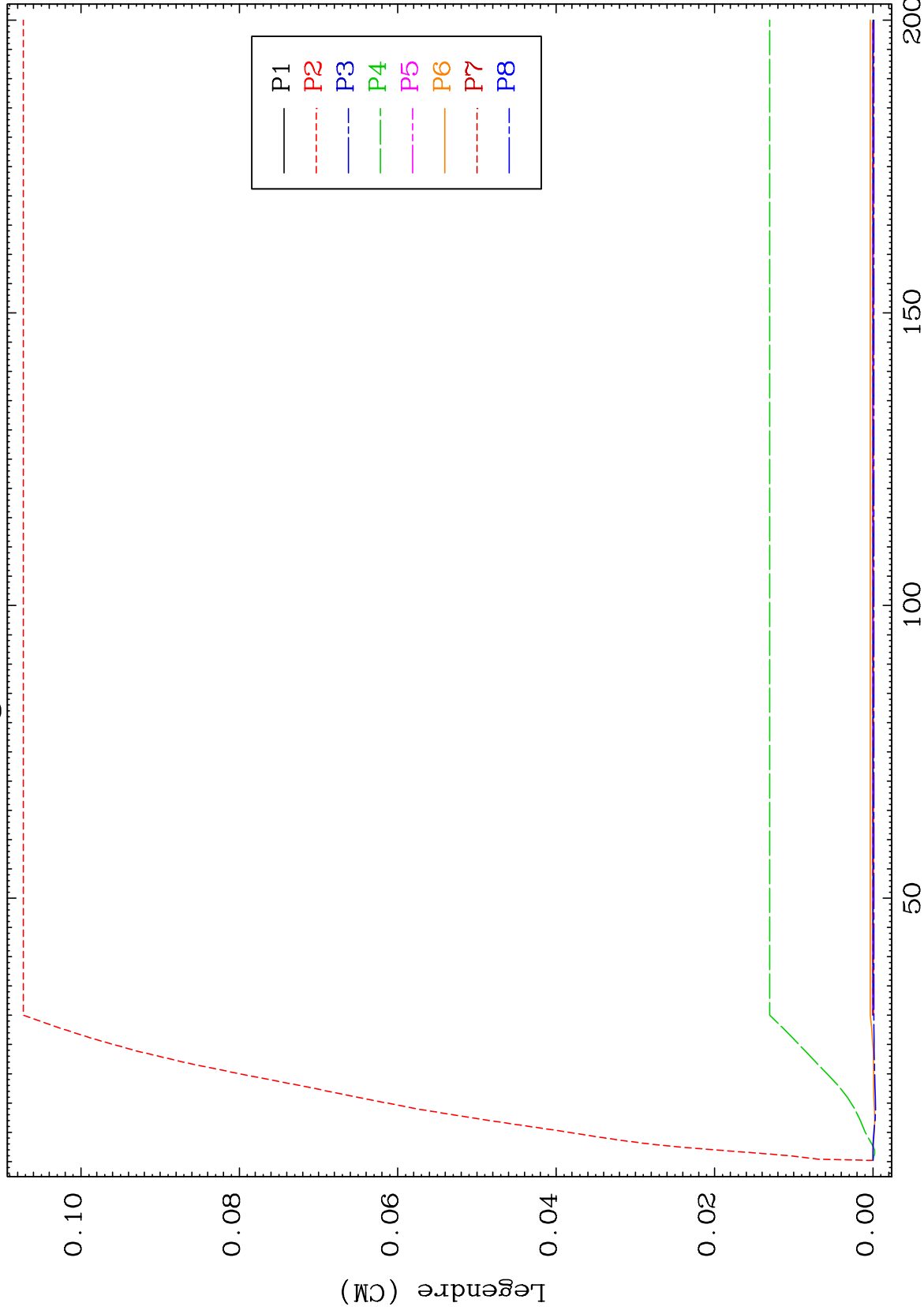
Incident Energy (MeV)

92

MAT 1731

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

17-Cl-37



93

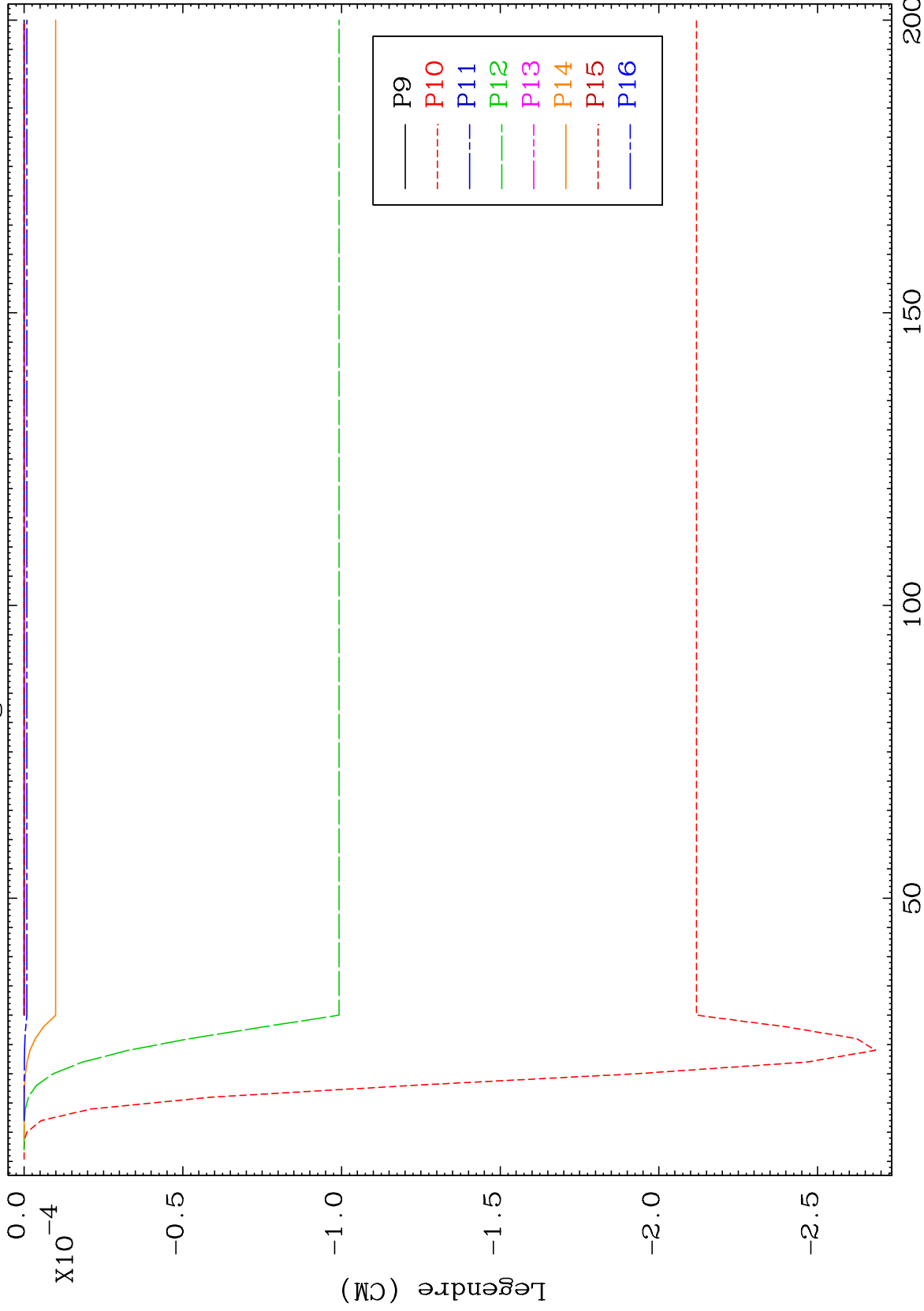
Incident Energy (MeV)

17-Cl-37

MAT 1731

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

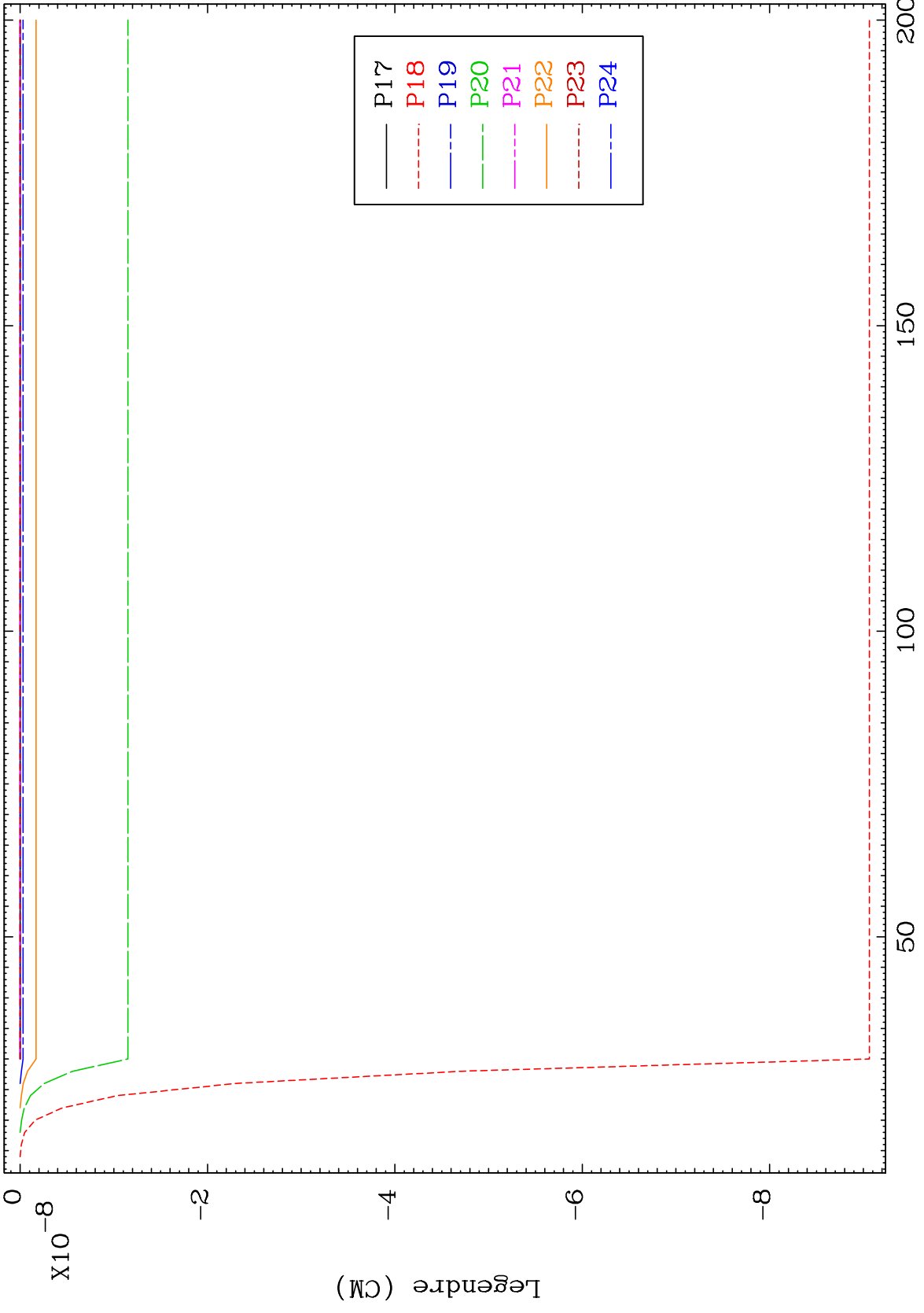
17-Cl-37



94

17-Cl-37

MAT 1731 MT= 77 (n,n') Level Legendre Coefficients 17-C1-37



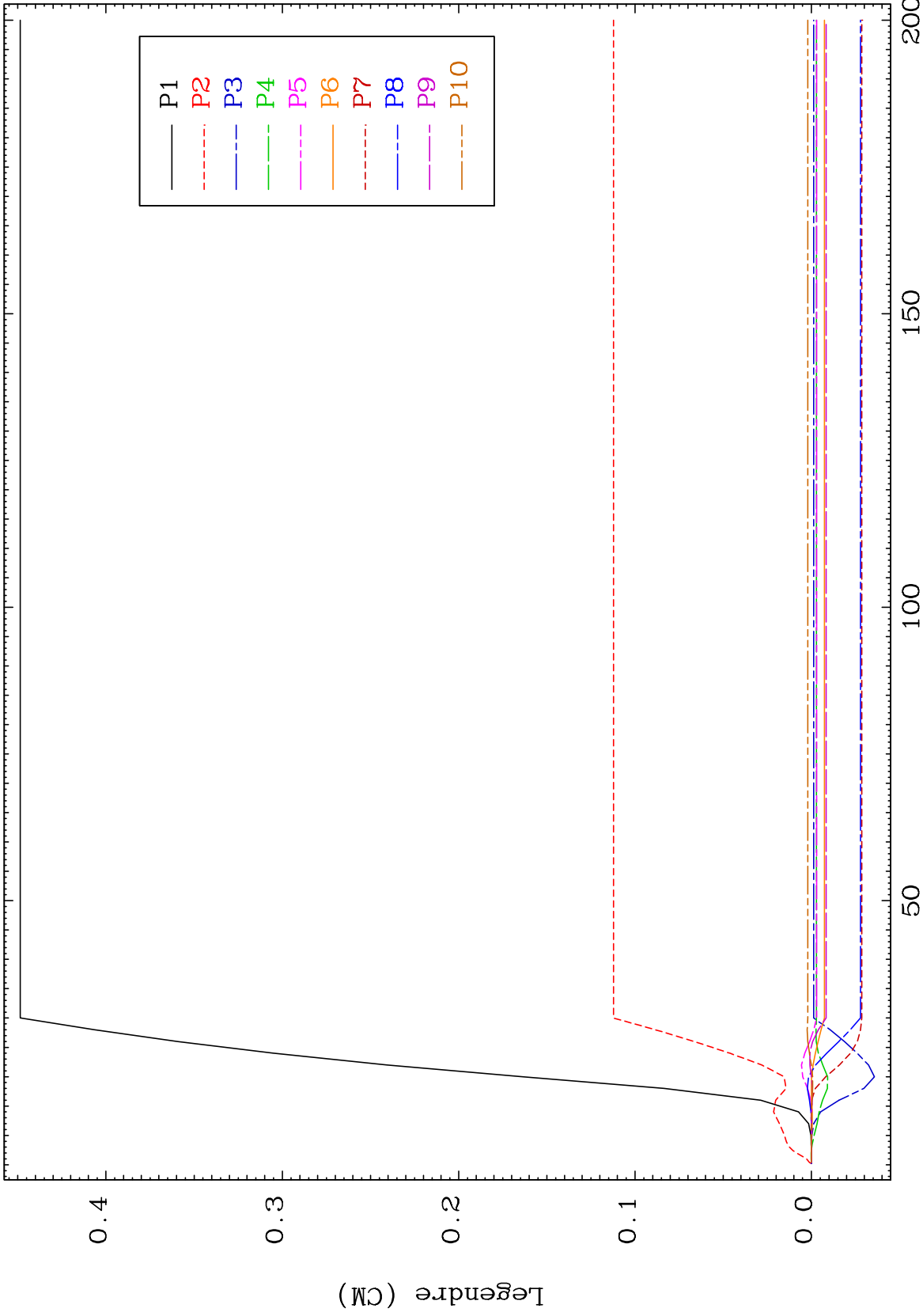
95 17-C1-37



MAT 1731

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

17-Cl-37



96

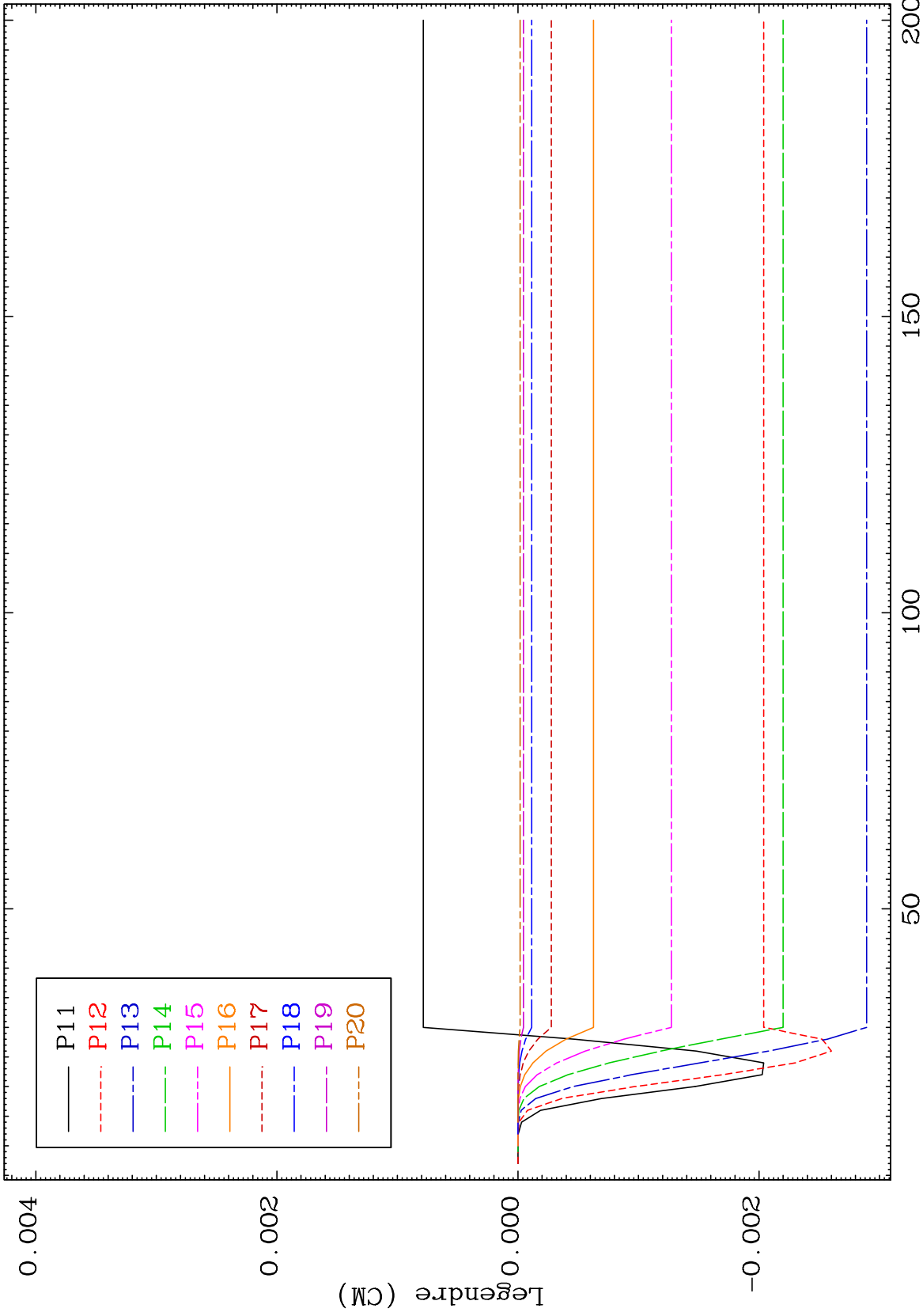
Incident Energy (MeV)

17-Cl-37

MAT 1731

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

17-Cl-37

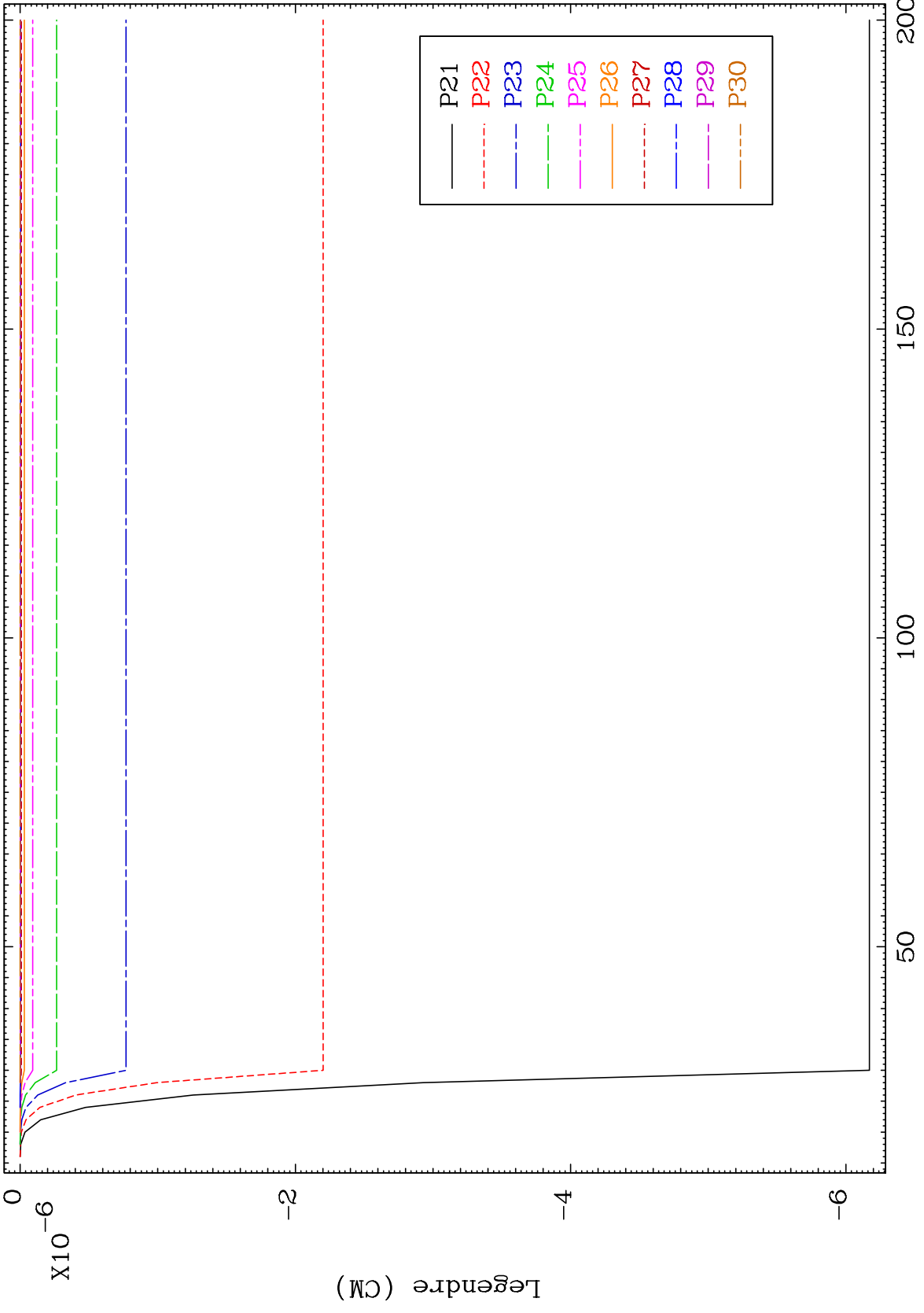


97

Incident Energy (MeV)

17-Cl-37

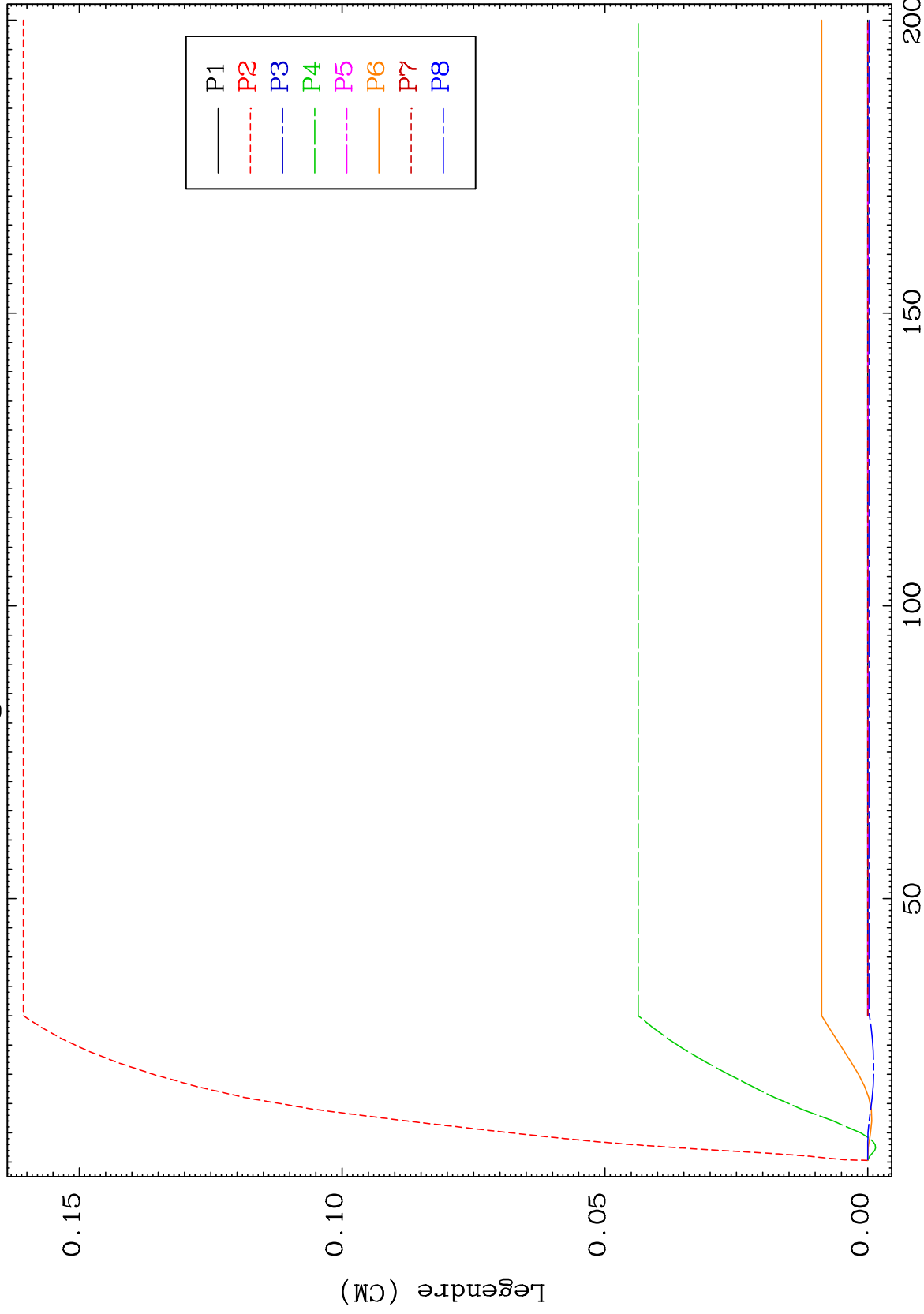
MAT 1731 MT= 78 (n,n') Level Legendre Coefficients 17-Cl-37



MAT 1731

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

17-Cl-37

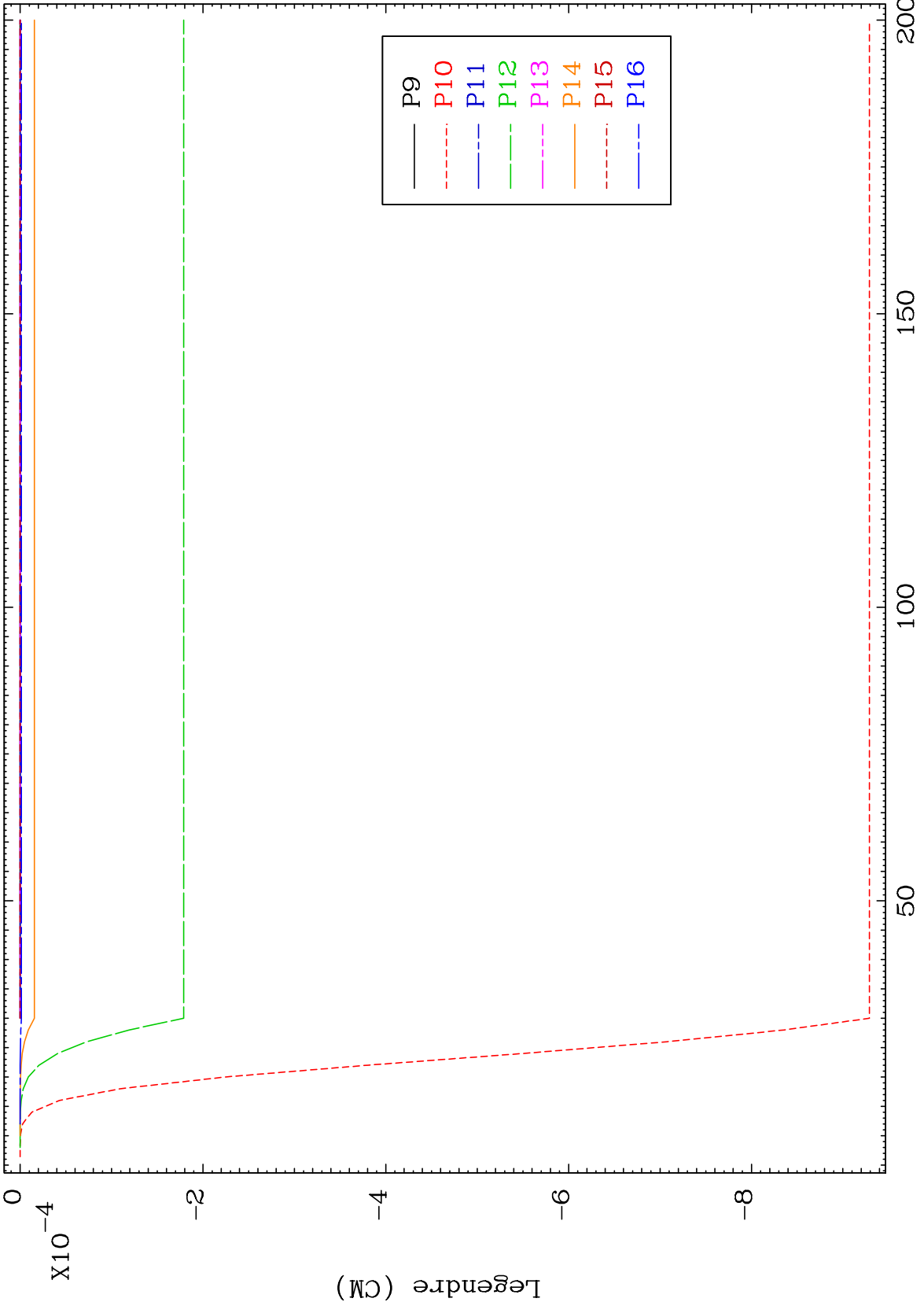


99

Incident Energy (MeV)

17-Cl-37

MAT 1731 MT= 79 (n,n') Level Legendre Coefficients 17-Cl-37

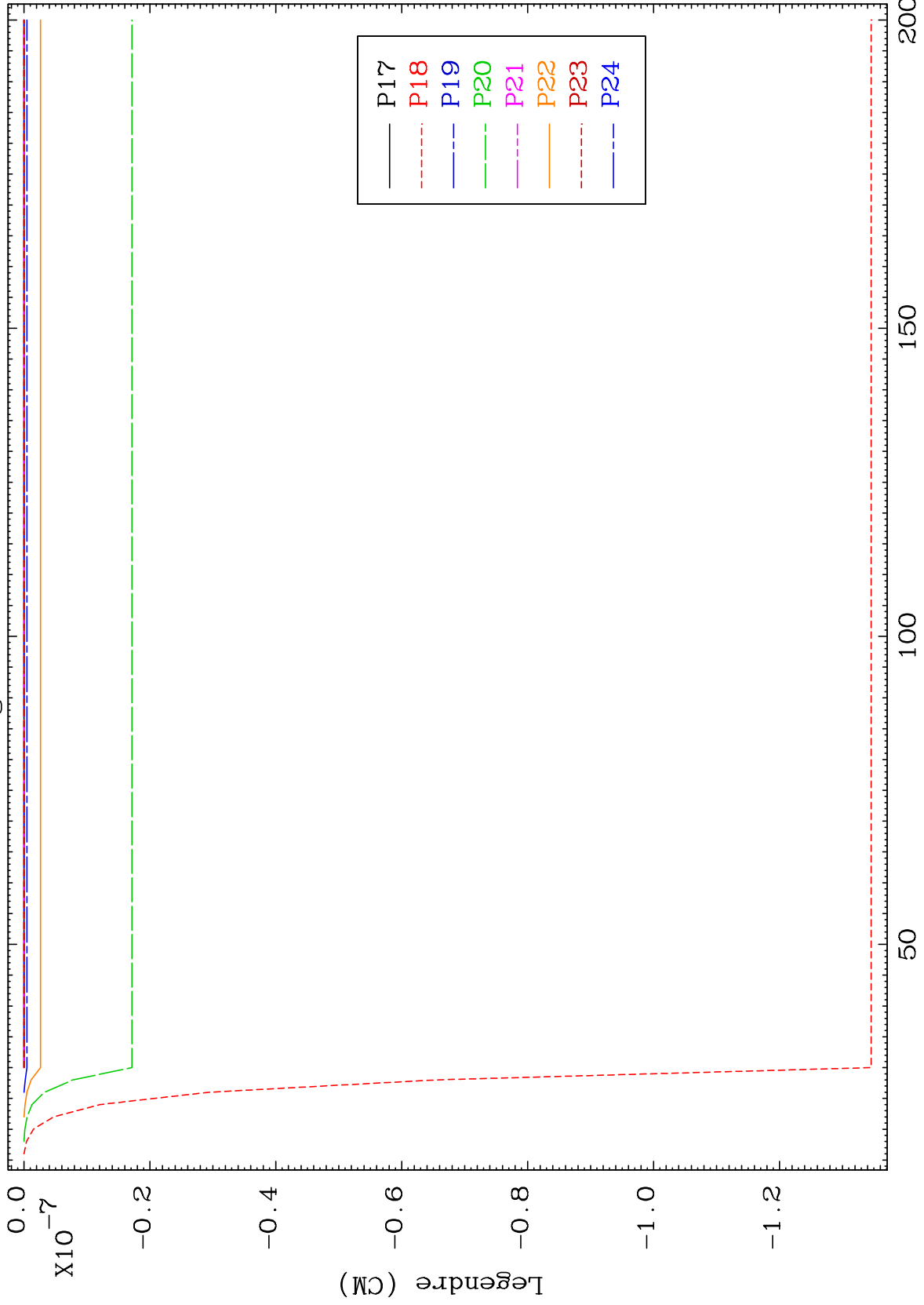


17-Cl-37

MAT 1731

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

17-CI-37



17-CI-37

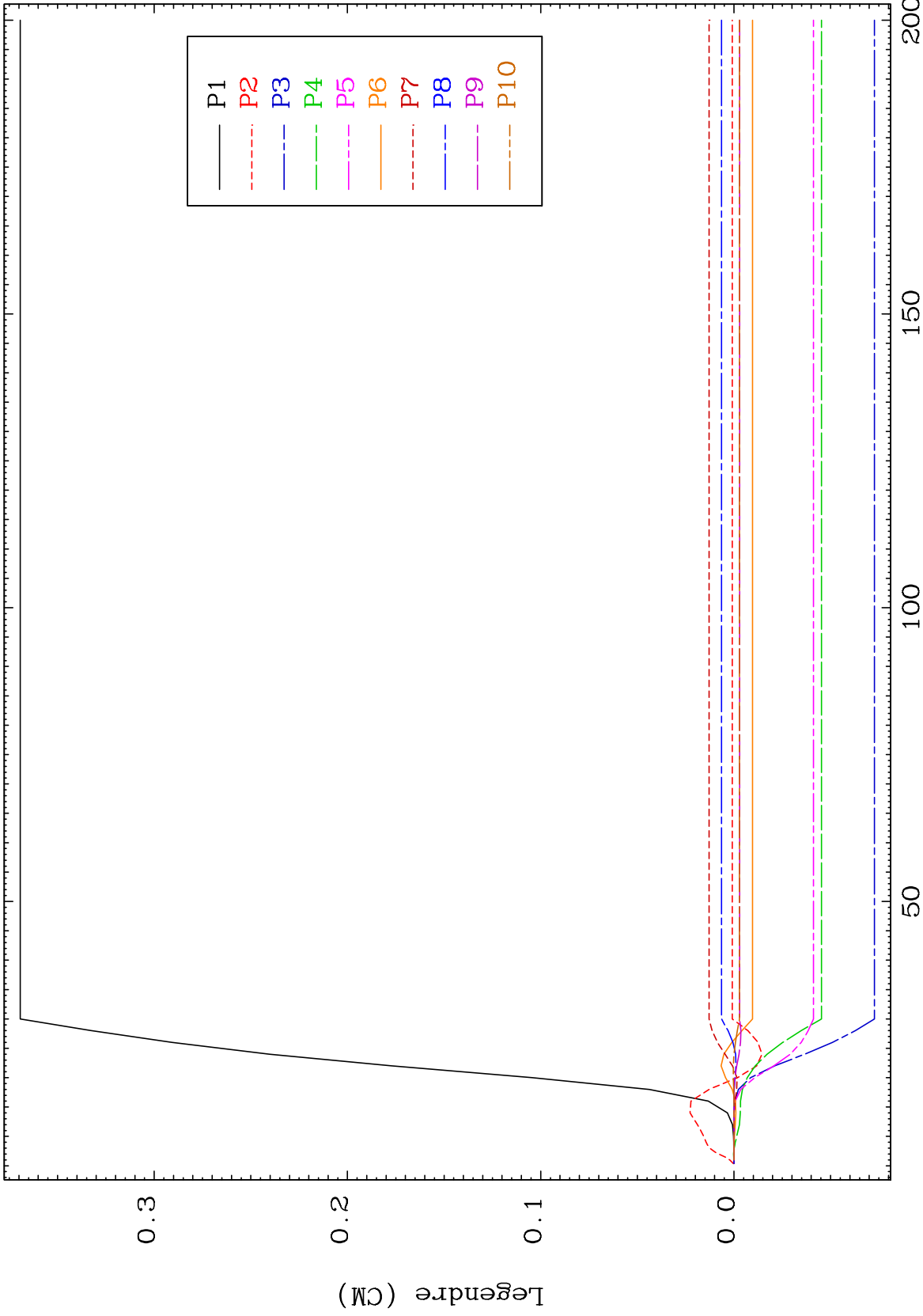
Incident Energy (MeV)

101

MAT 1731

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

17-Cl-37



102

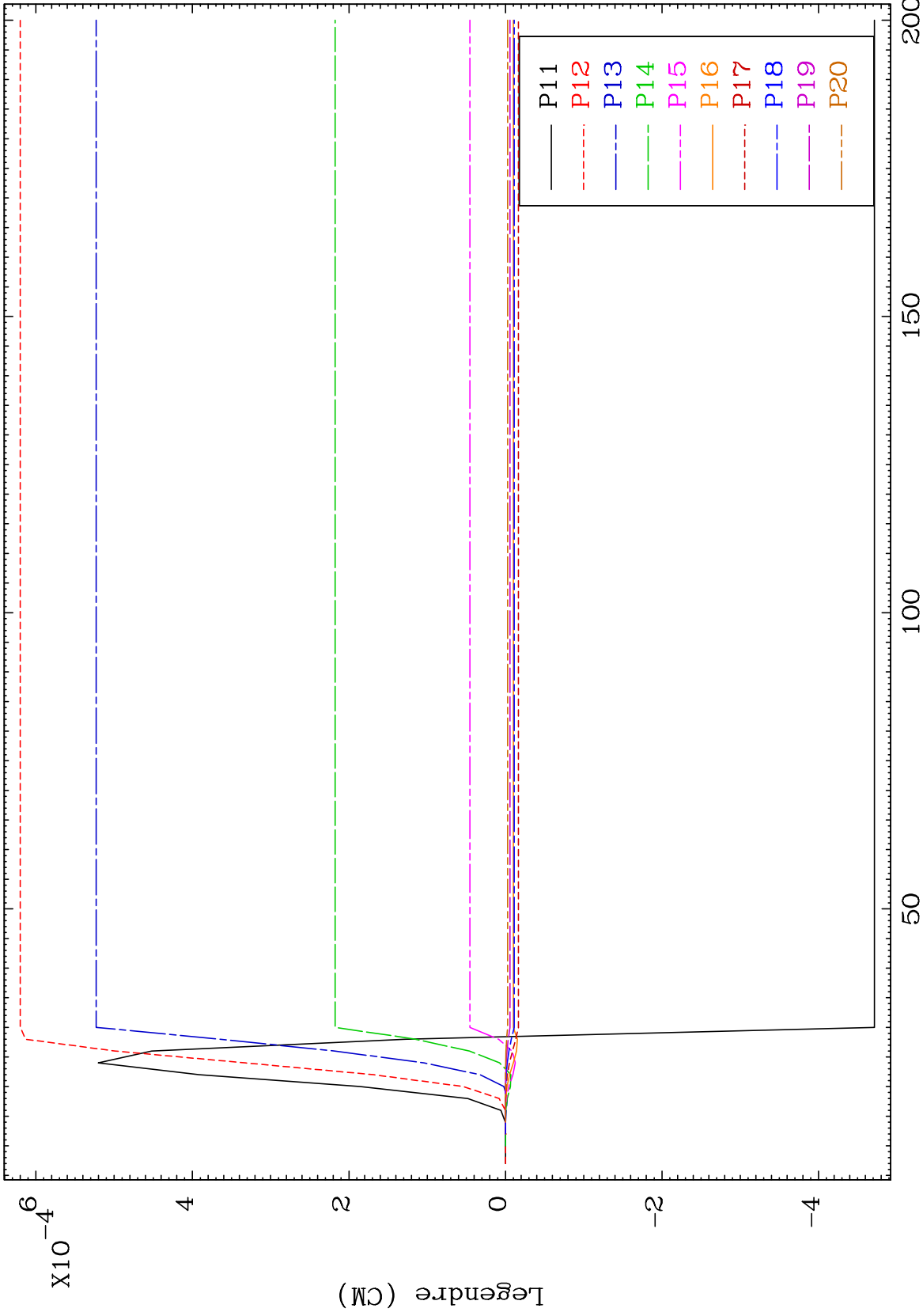
Incident Energy (MeV)

17-Cl-37

MAT 1731

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

17-Cl-37



103

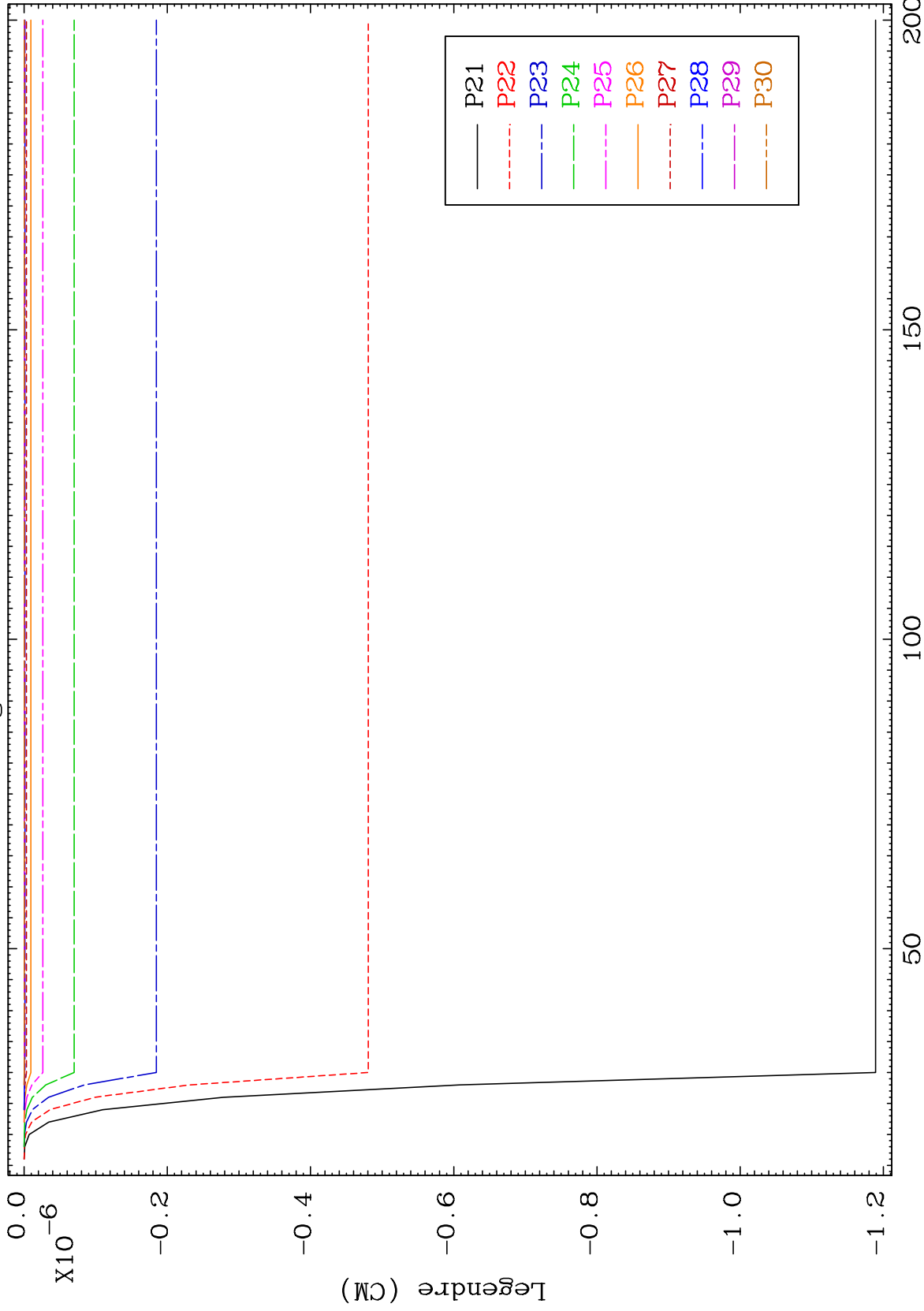
17-Cl-37



MAT 1731

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

17-CI-37



104

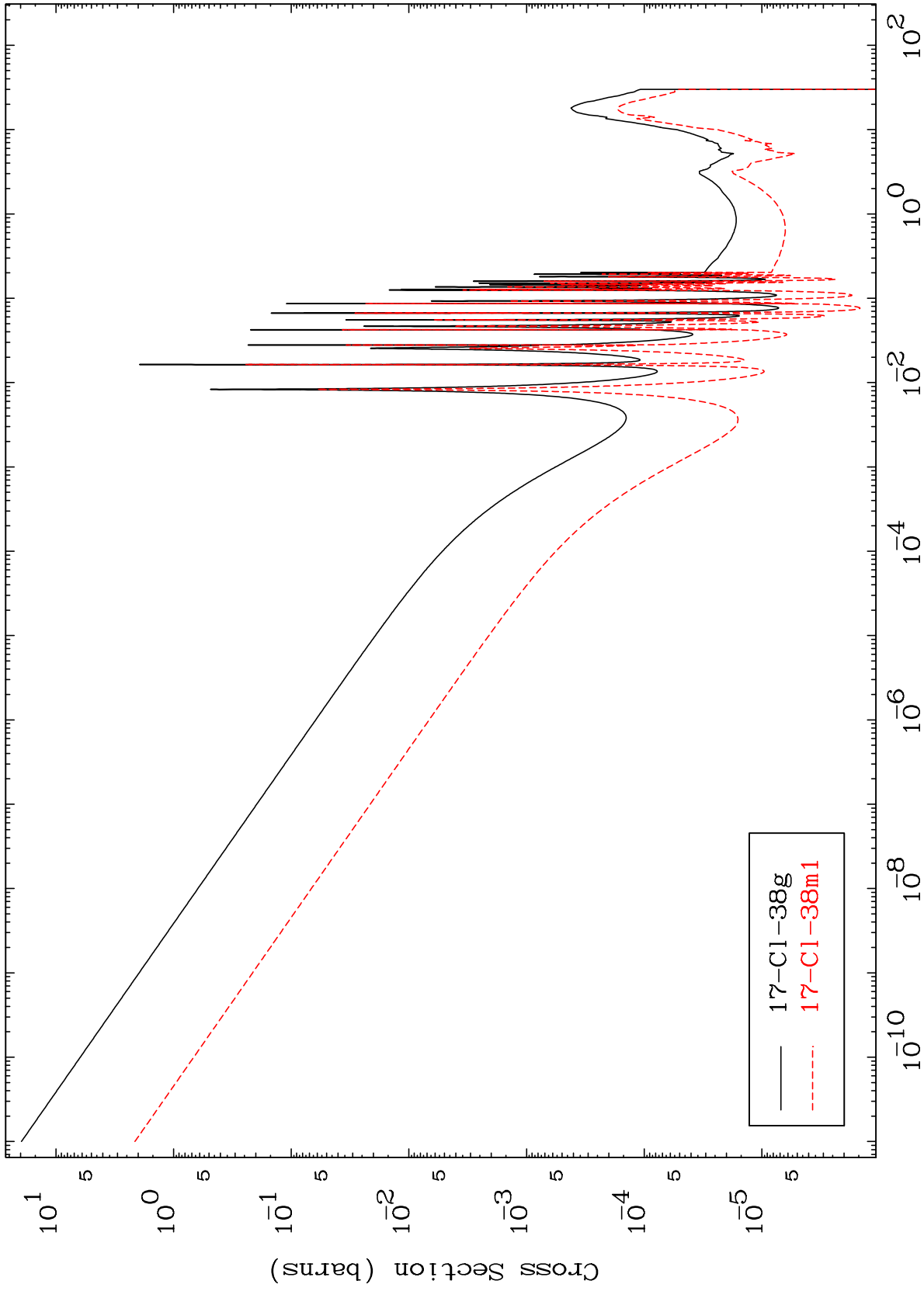
17-CI-37

MAT 1731

(n,γ)

17-Cl-37

Radionuclide Production Cross Section



105

Incident Energy (MeV)

17-Cl-37