

Program EVALPLOT
(Version 2018-1)

by

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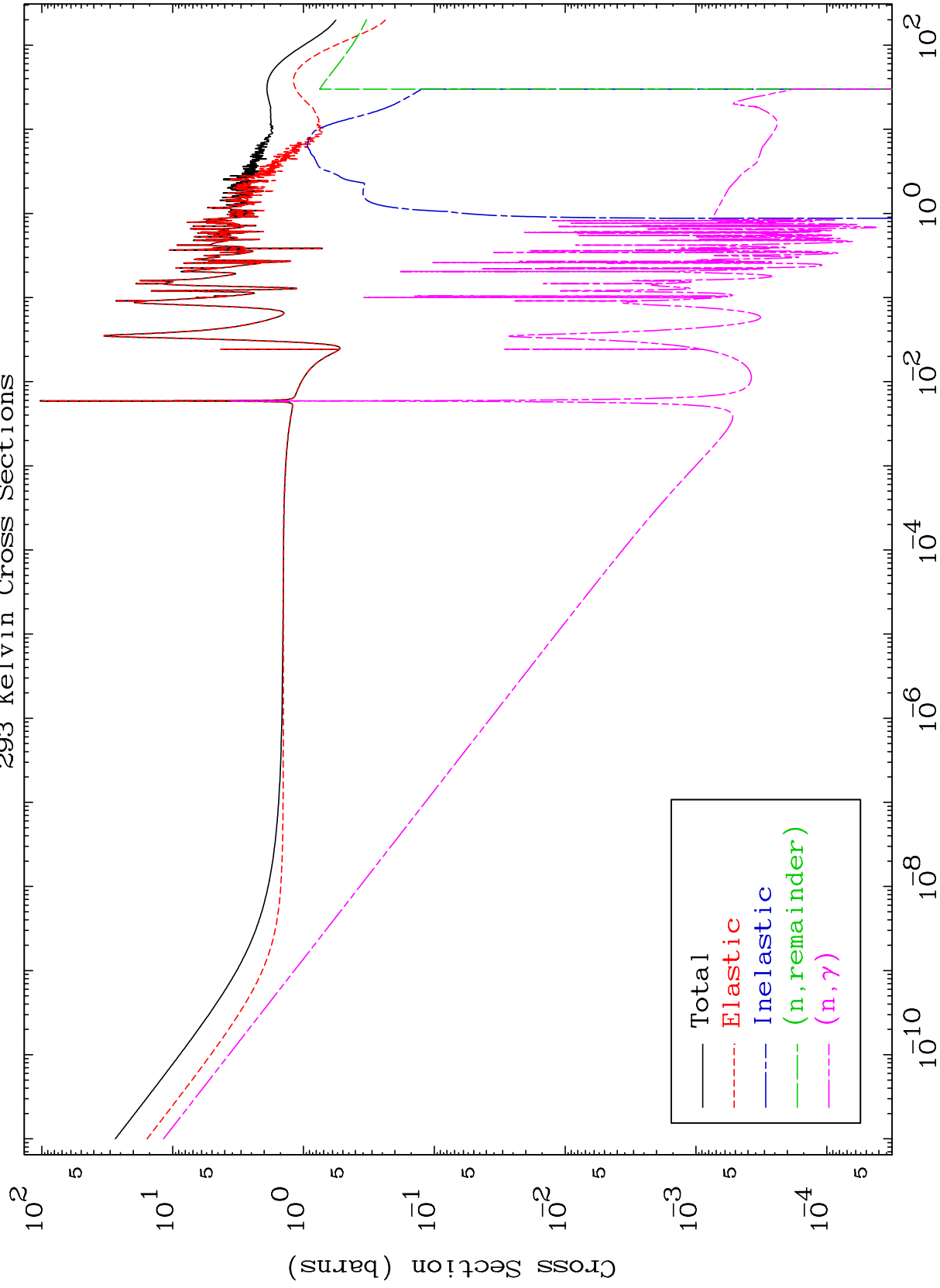
Press Mouse Button to Start

MAT 1325

Major

293 Kelvin Cross Sections

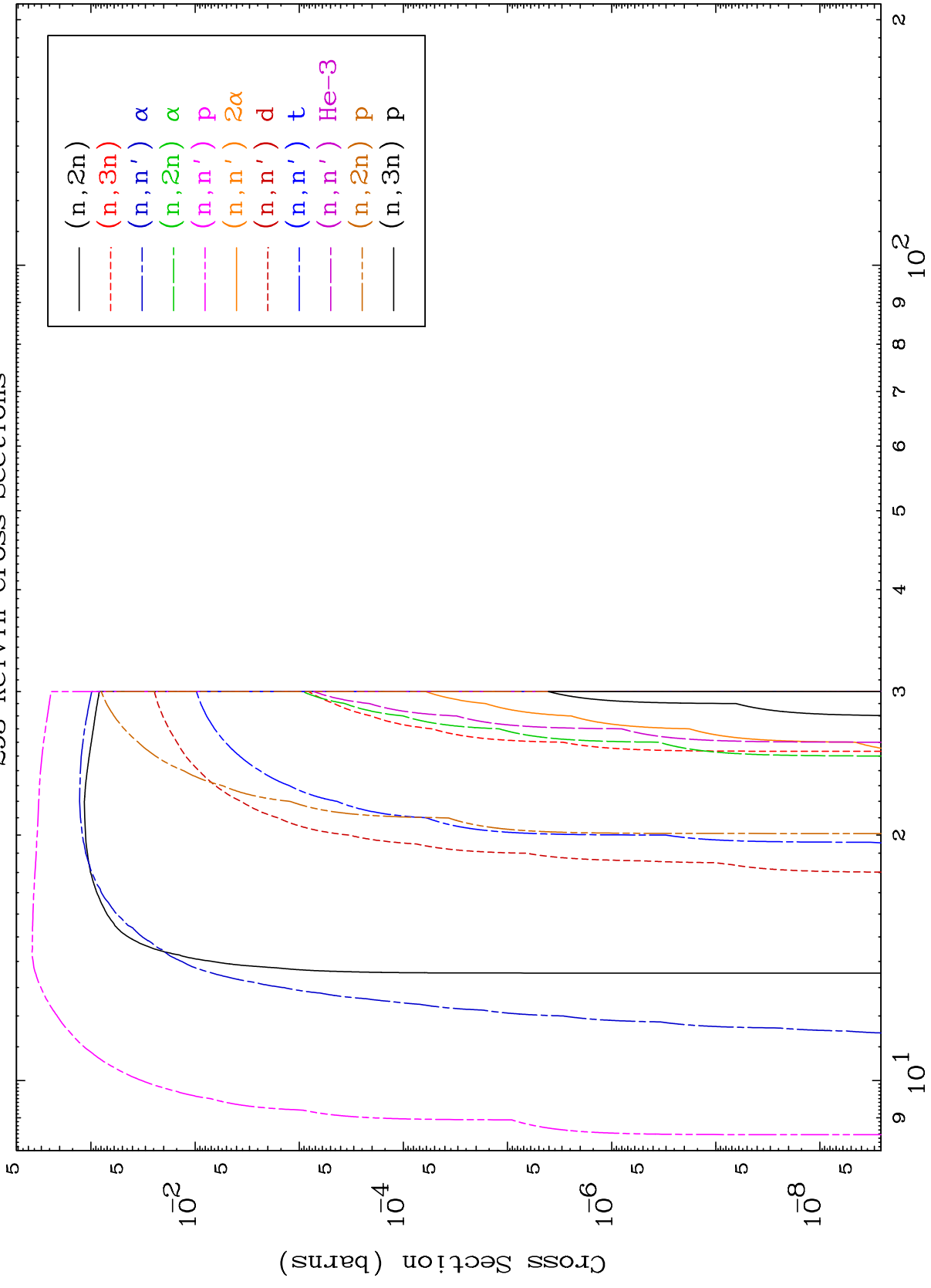
13-Al-27



MAT 1325

Neutron Production 293 Kelvin Cross Sections

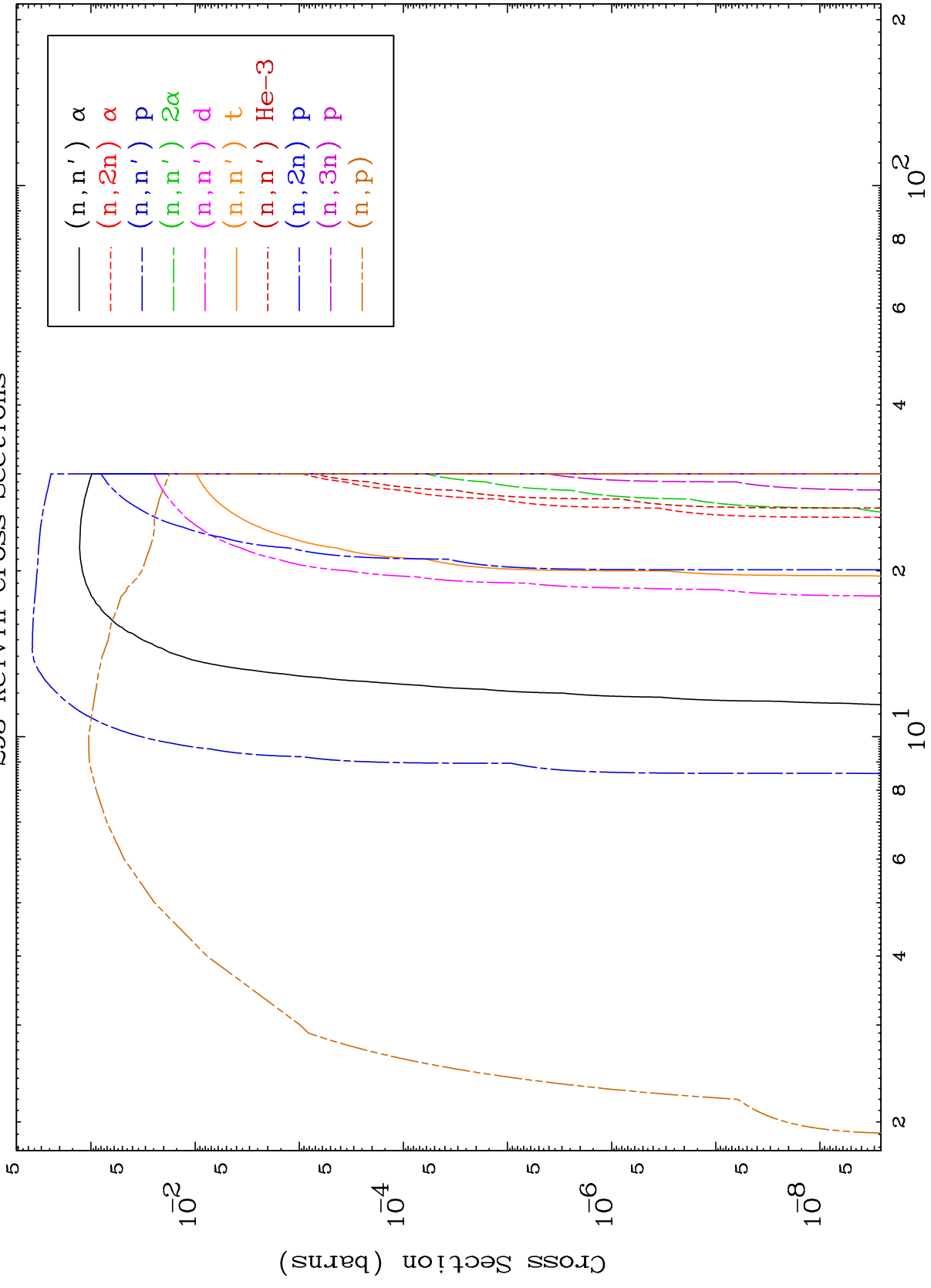
13-Al-27

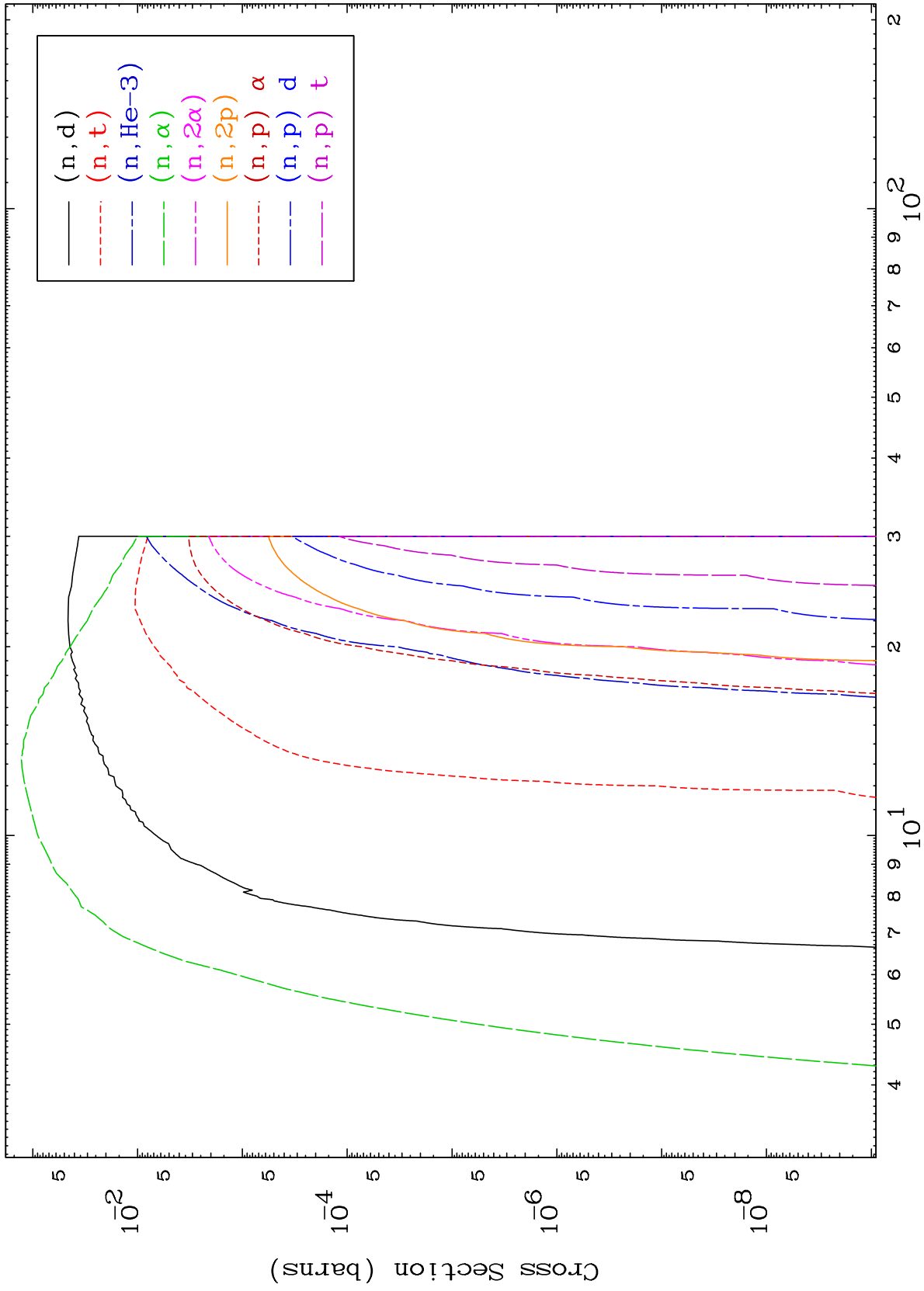


2

Incident Energy (MeV)

13-Al-27

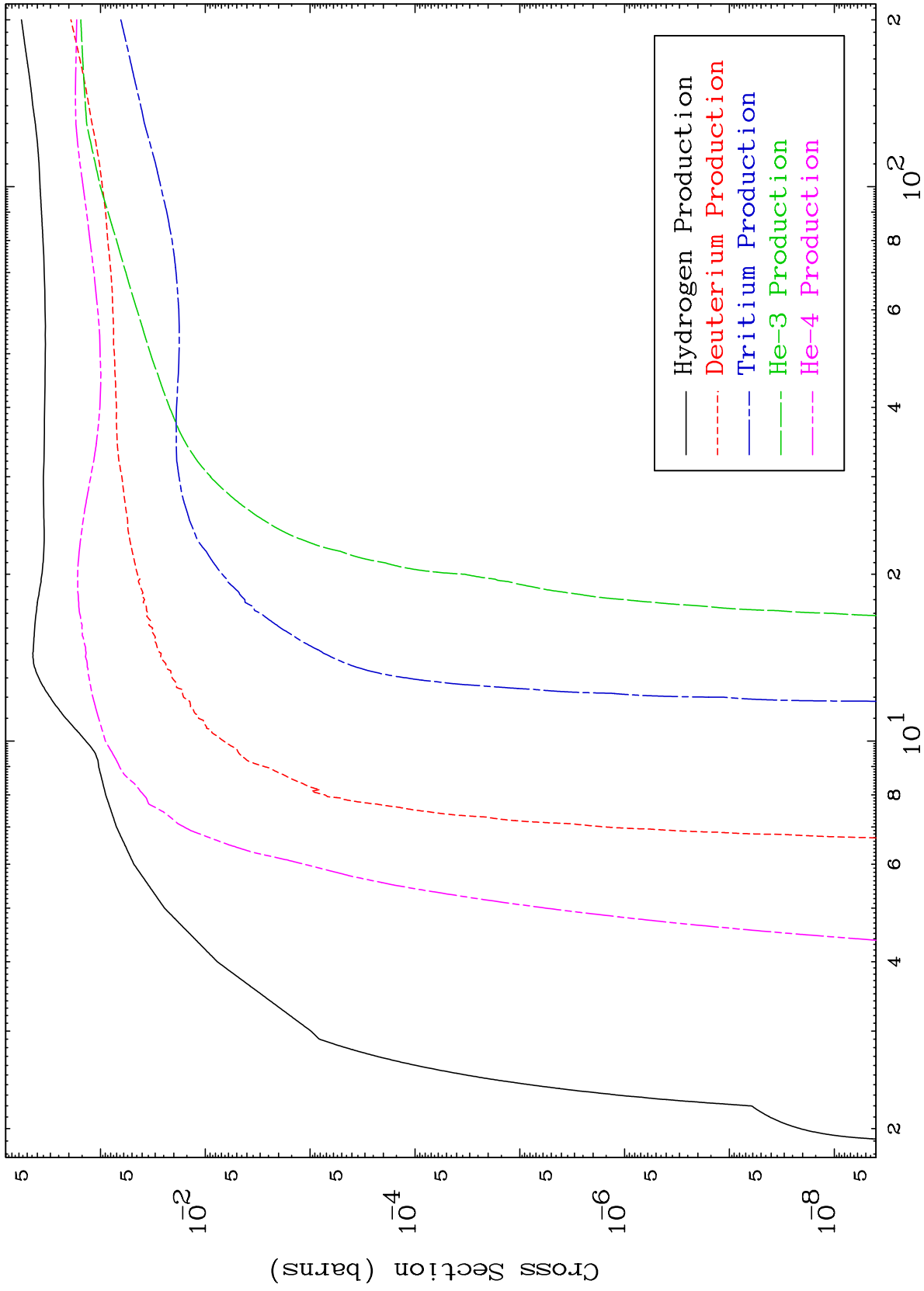




MAT 1325

Particle Production
293 Kelvin Cross Sections

13-Al-27



5

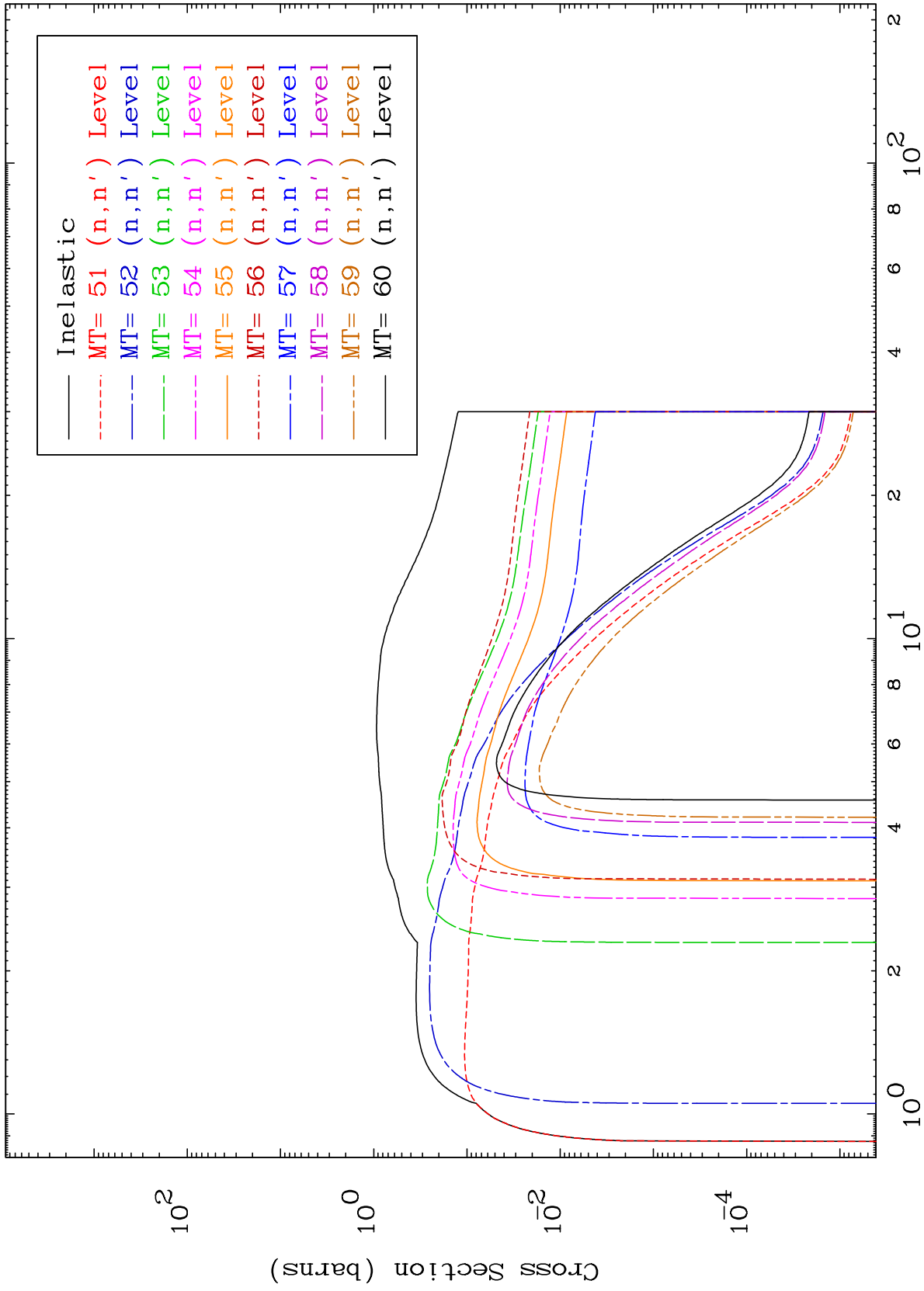
Incident Energy (MeV)

13-Al-27

MAT 1325

(n,n') Level
293 Kelvin Cross Sections

13-Al-27



6

Incident Energy (MeV)

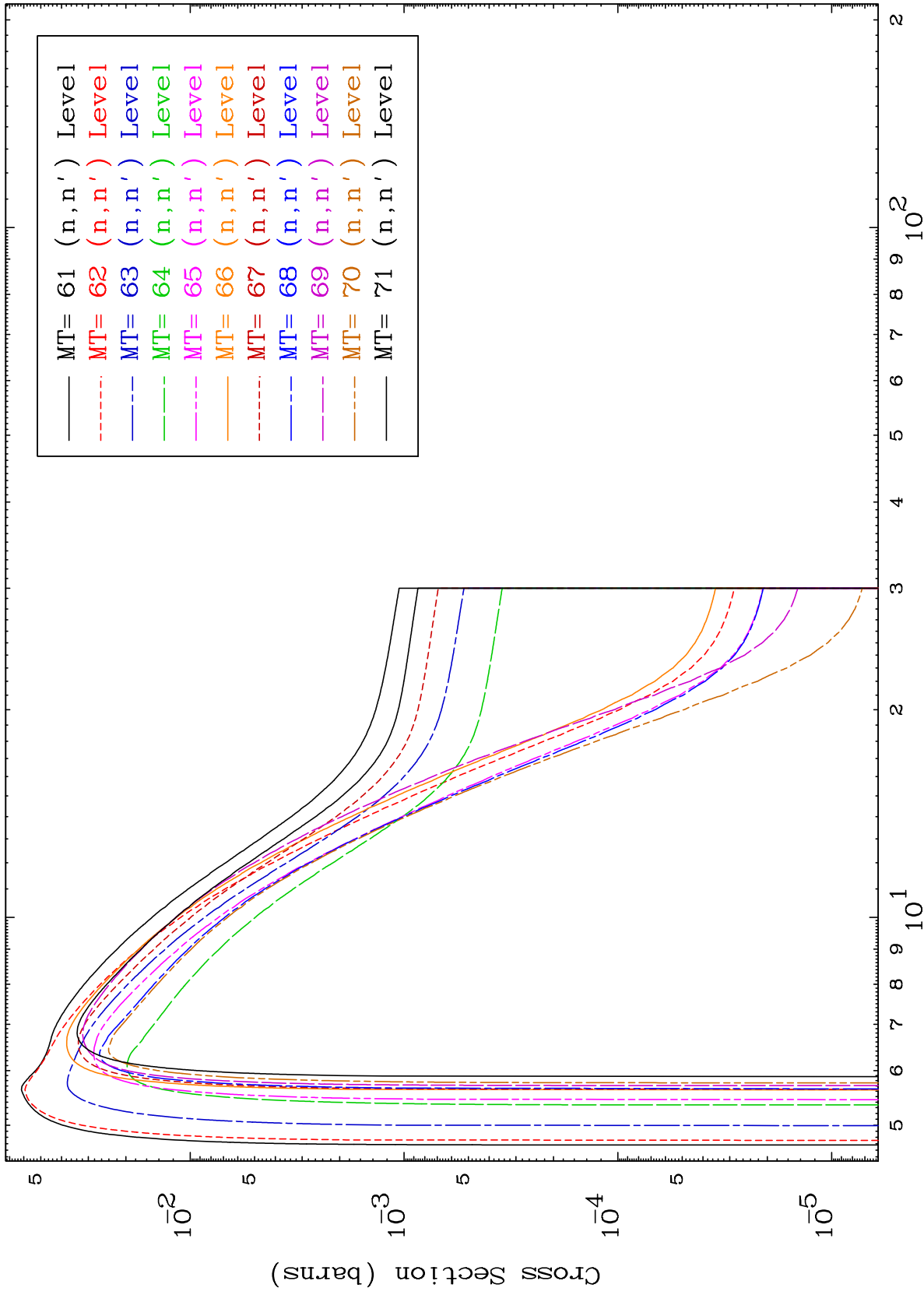
13-Al-27

MAT 1325

(n,n') Level

13-Al-27

293 Kelvin Cross Sections



7

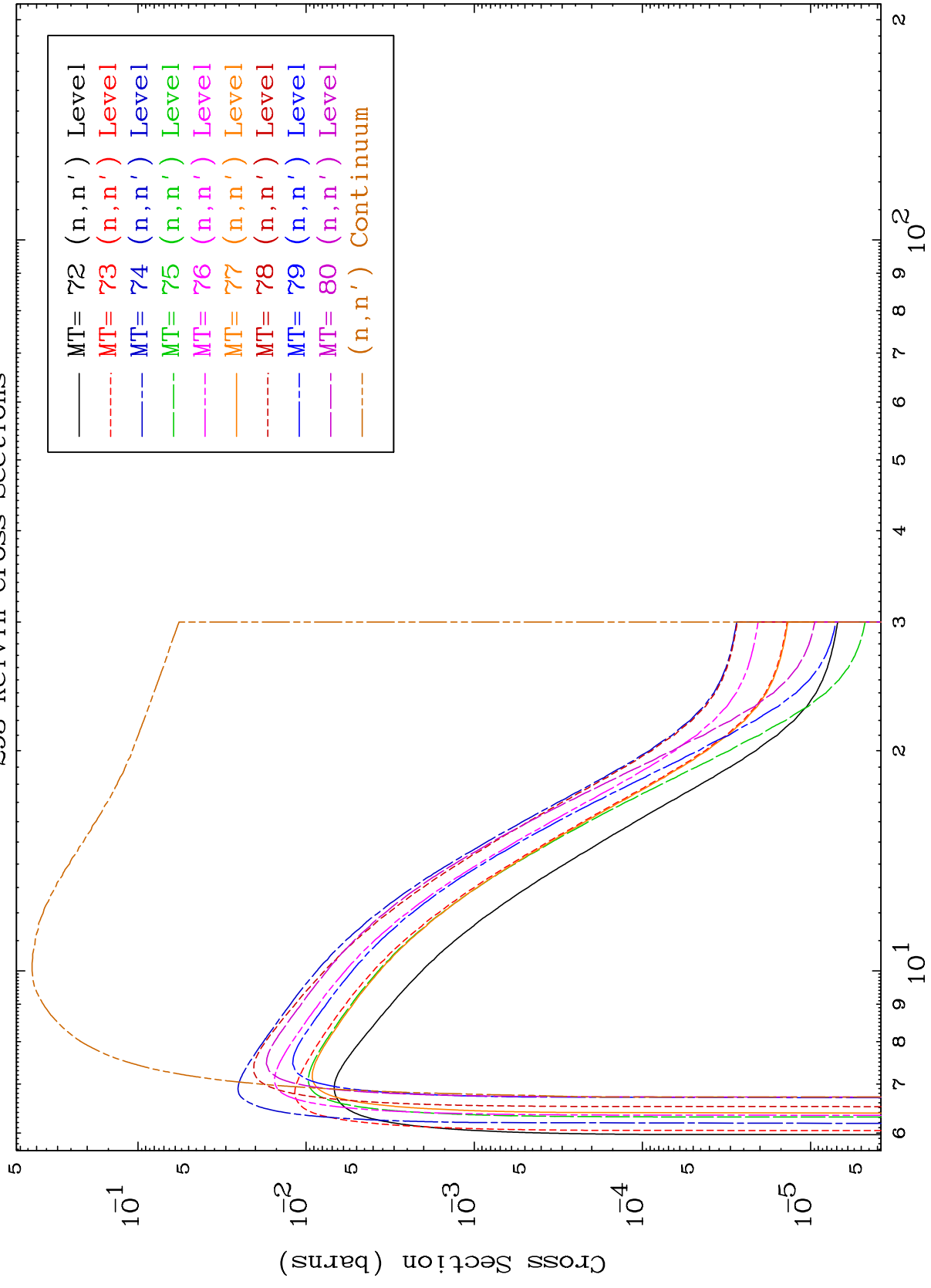
Incident Energy (MeV)

13-Al-27

MAT 1325

(n,n') Level
293 Kelvin Cross Sections

13-Al-27



8

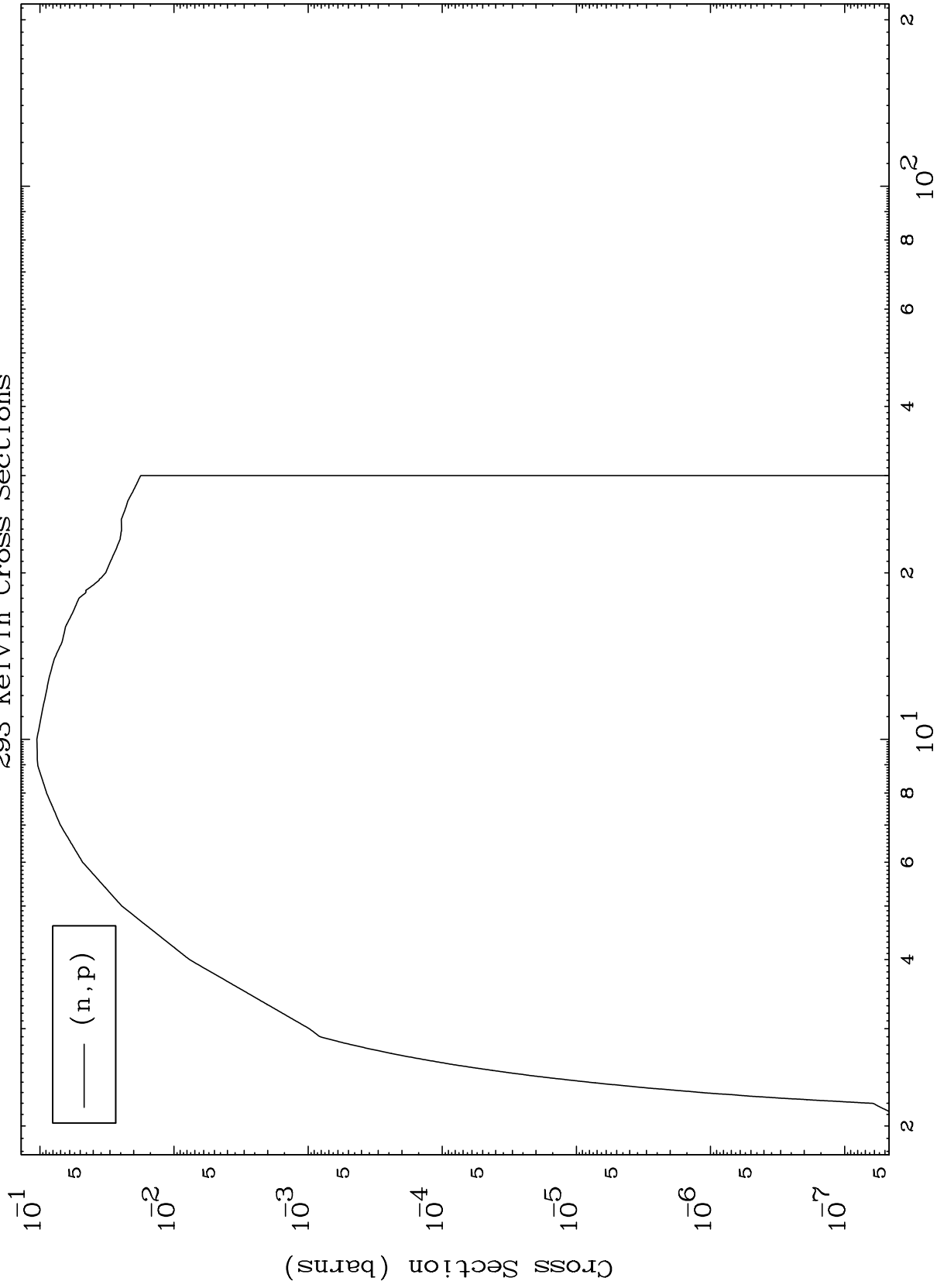
Incident Energy (MeV)

13-Al-27

MAT 1325

(n,p) Levels
293 Kelvin Cross Sections

13-Al-27



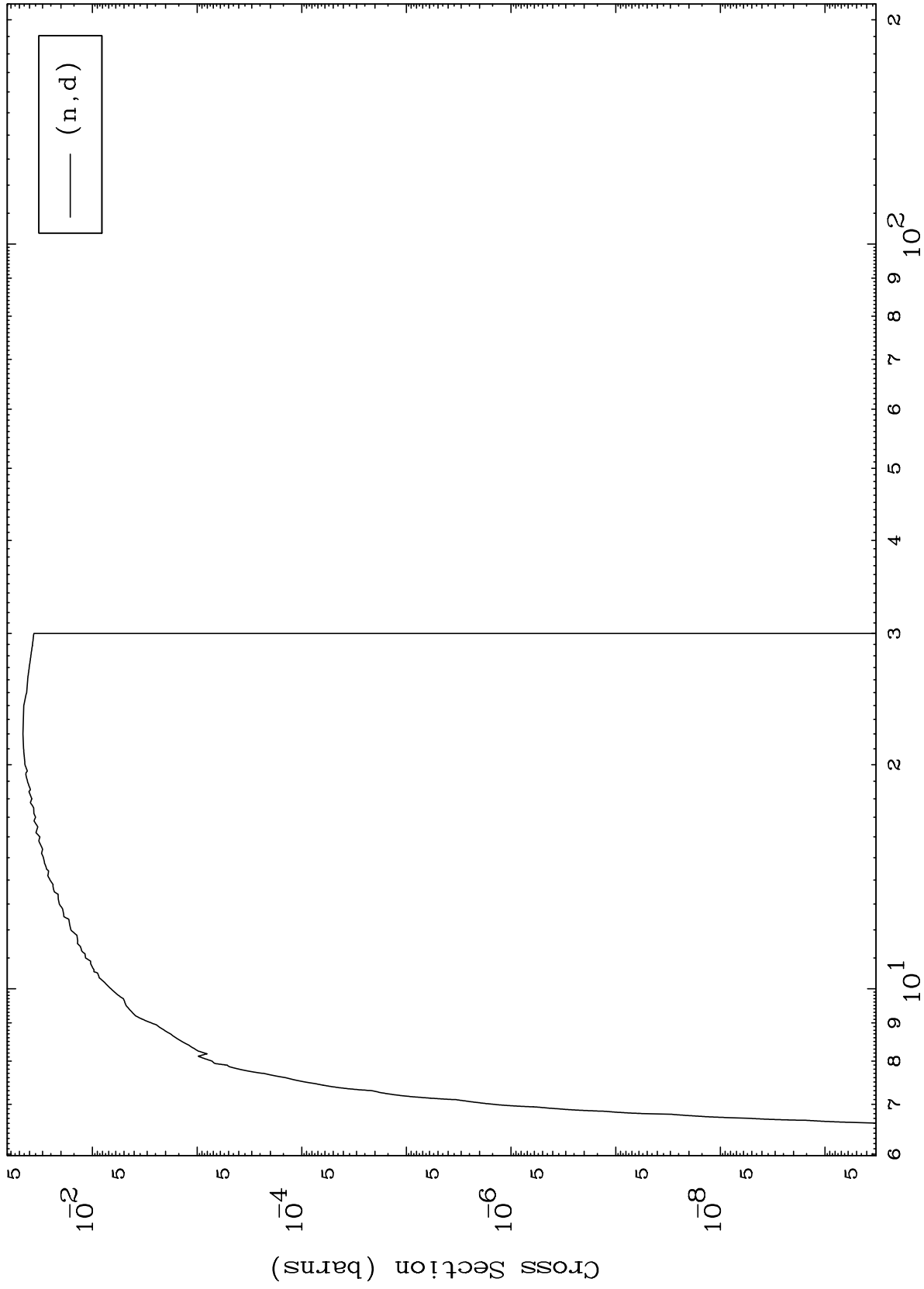
9

13-Al-27

MAT 1325

(n,d) Levels
293 Kelvin Cross Sections

13-Al-27



10

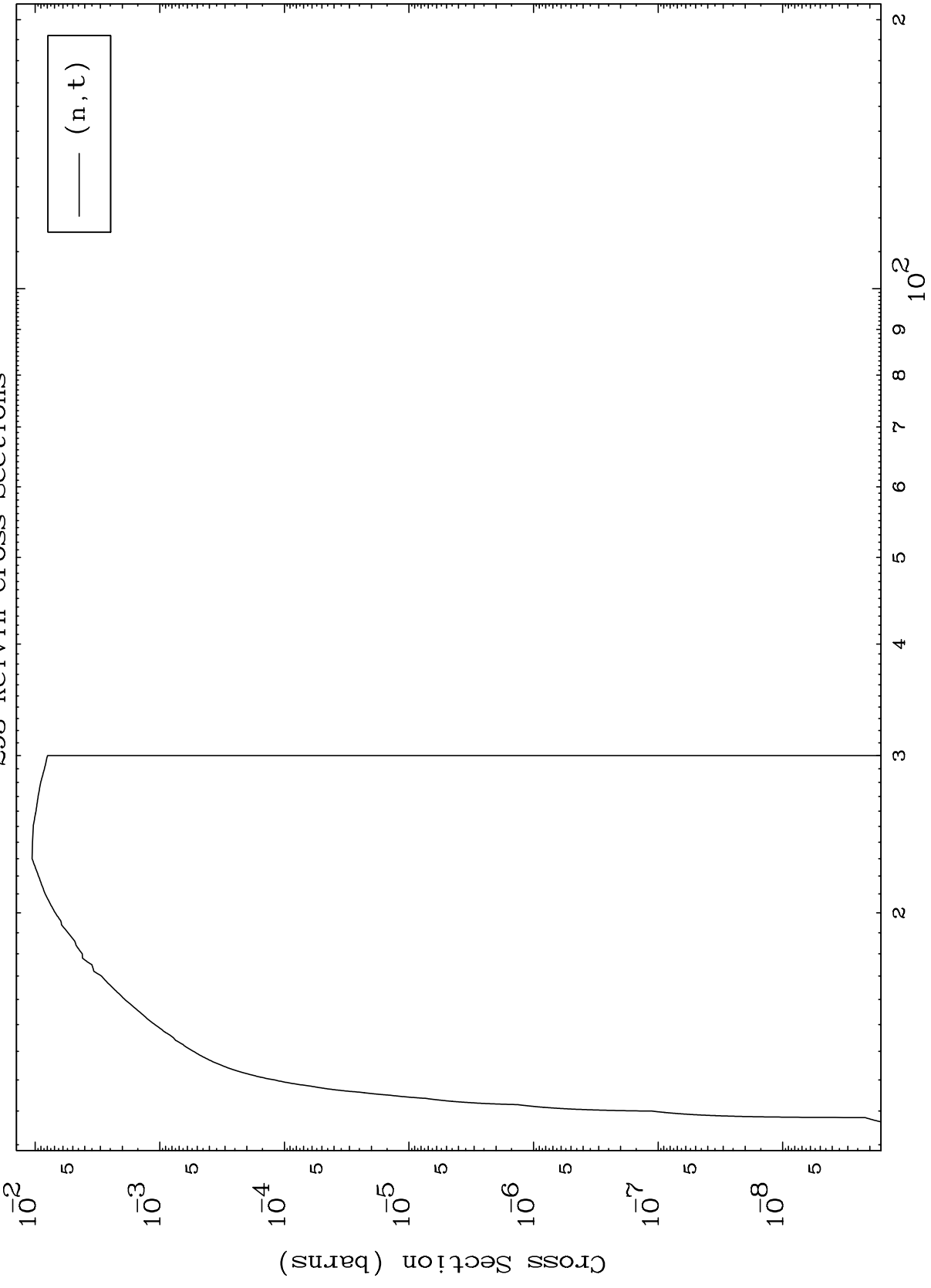
Incident Energy (MeV)

13-Al-27

MAT 1325

(n,t) Levels
293 Kelvin Cross Sections

13-Al-27



11

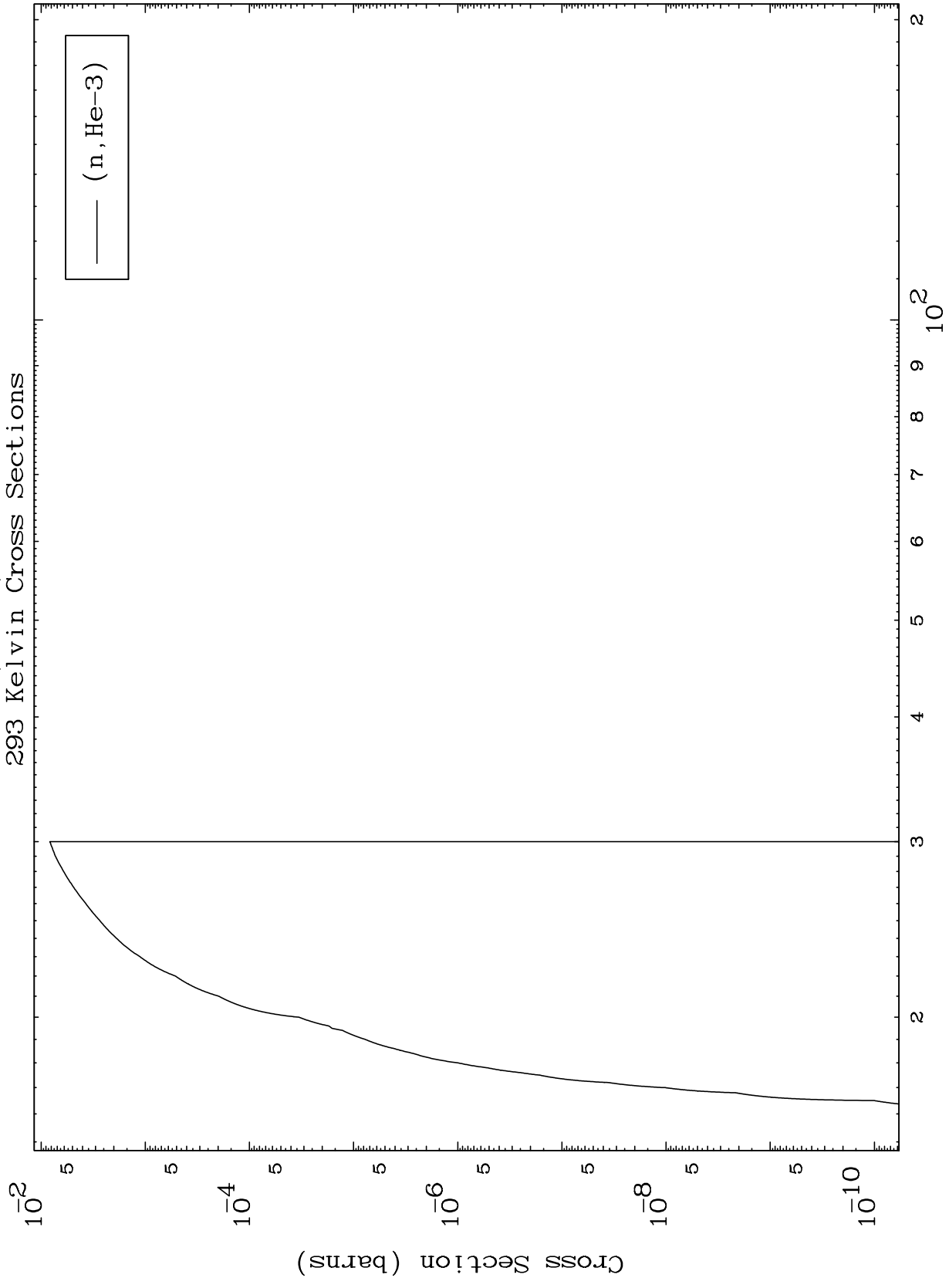
Incident Energy (MeV)

13-Al-27

MAT 1325

(n,He3) Levels
293 Kelvin Cross Sections

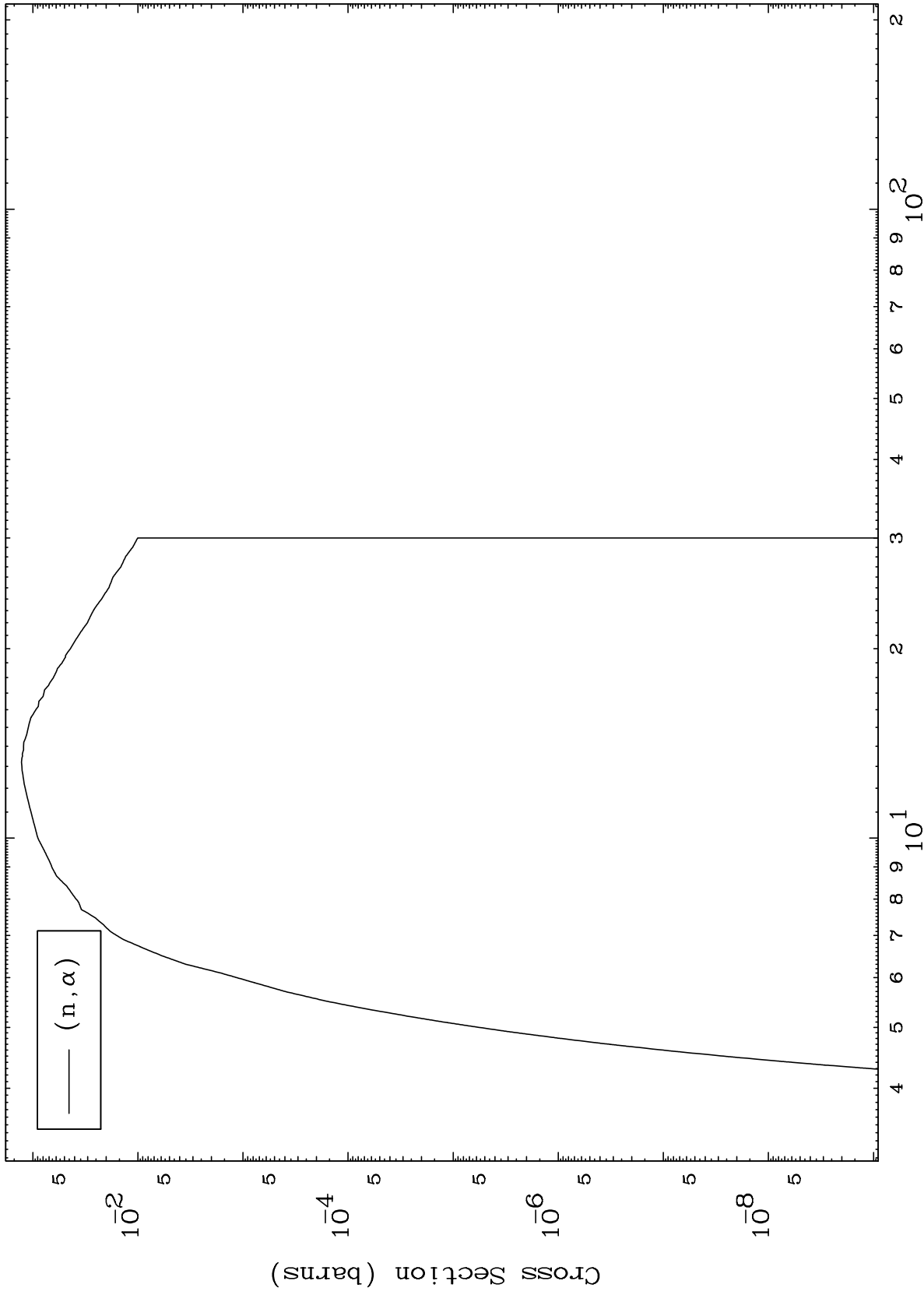
13-A1-27

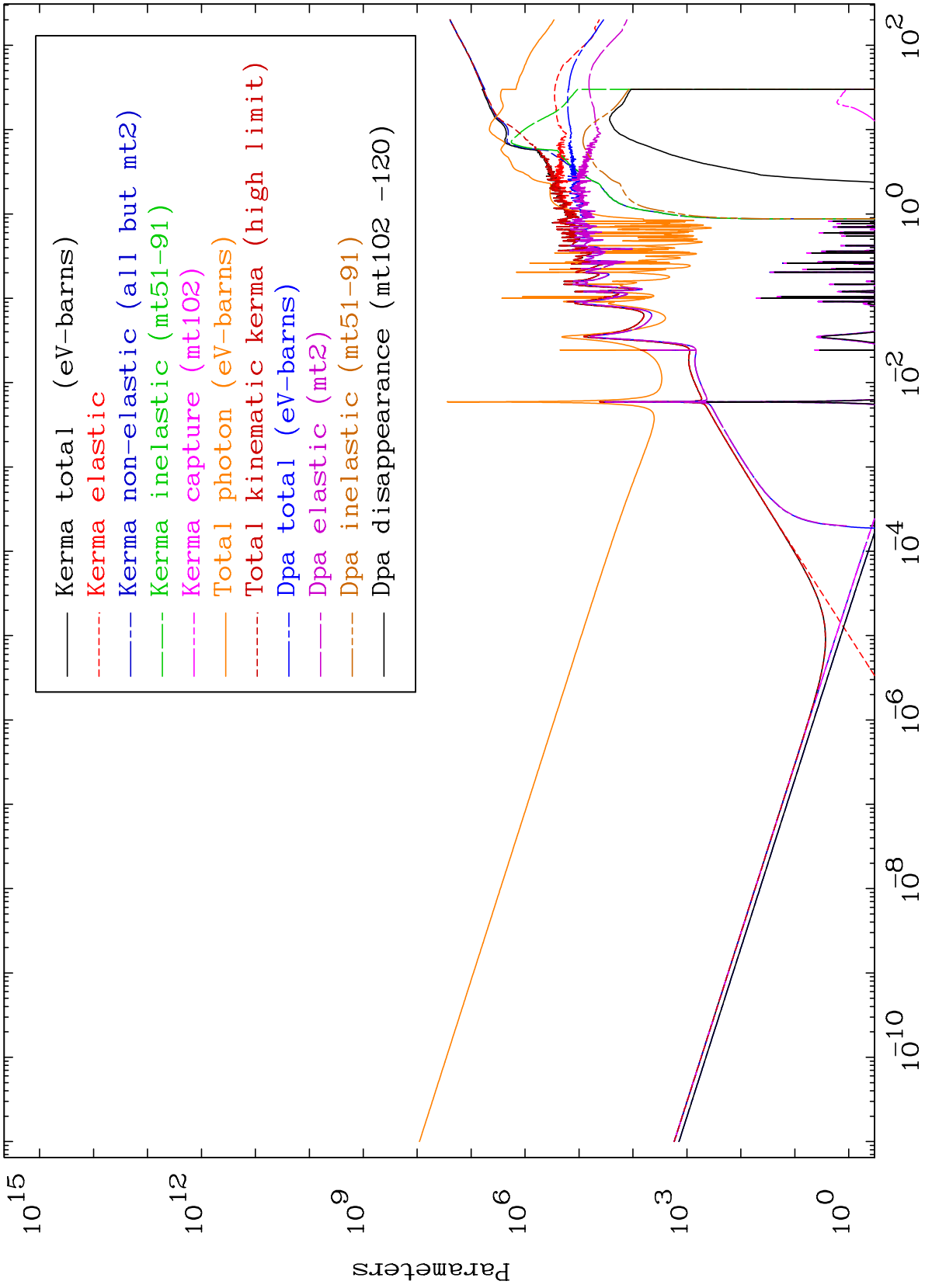


12

Incident Energy (MeV)

13-A1-27

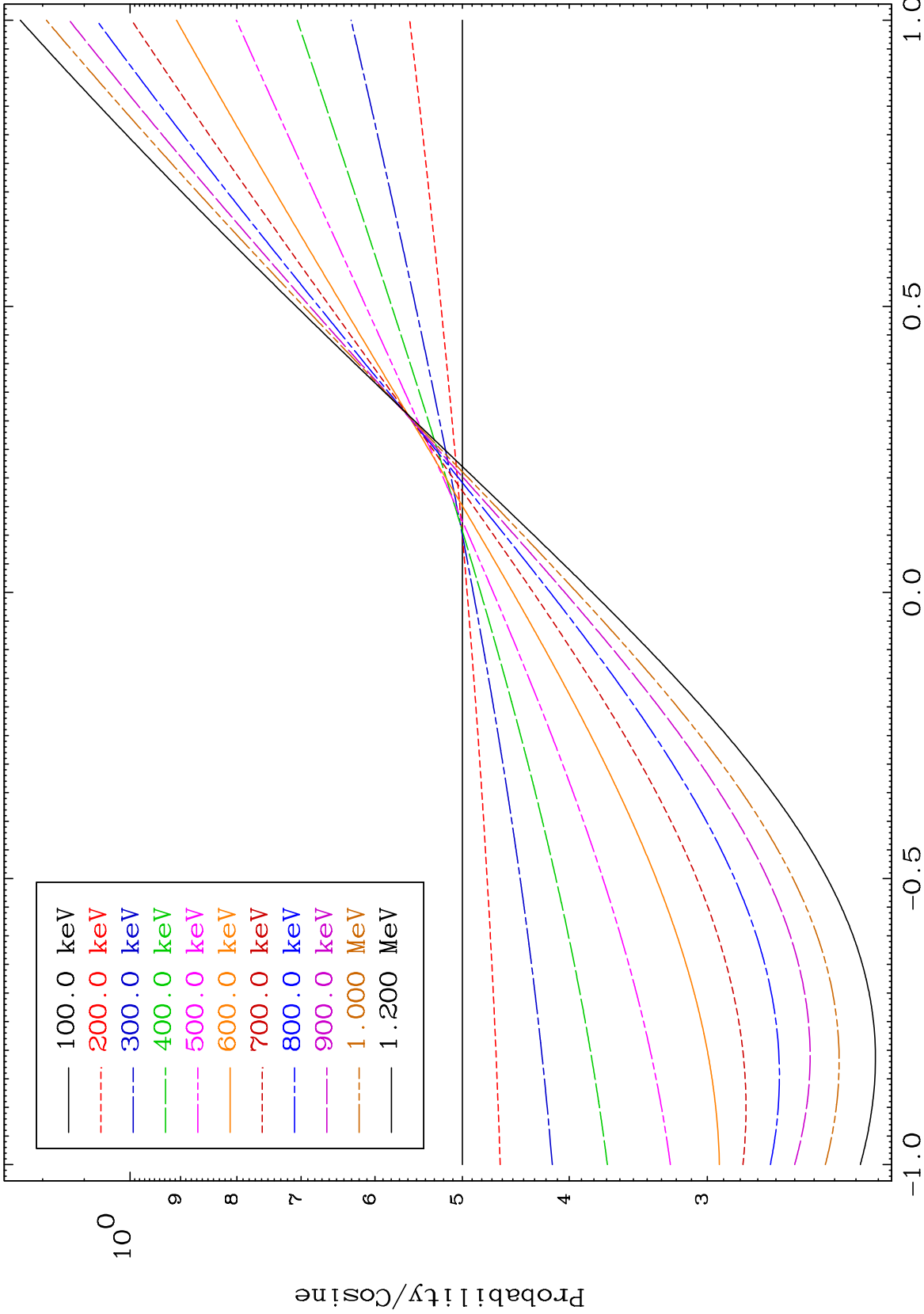




MAT 1325

Elastic
Angular Distributions

13-Al-27

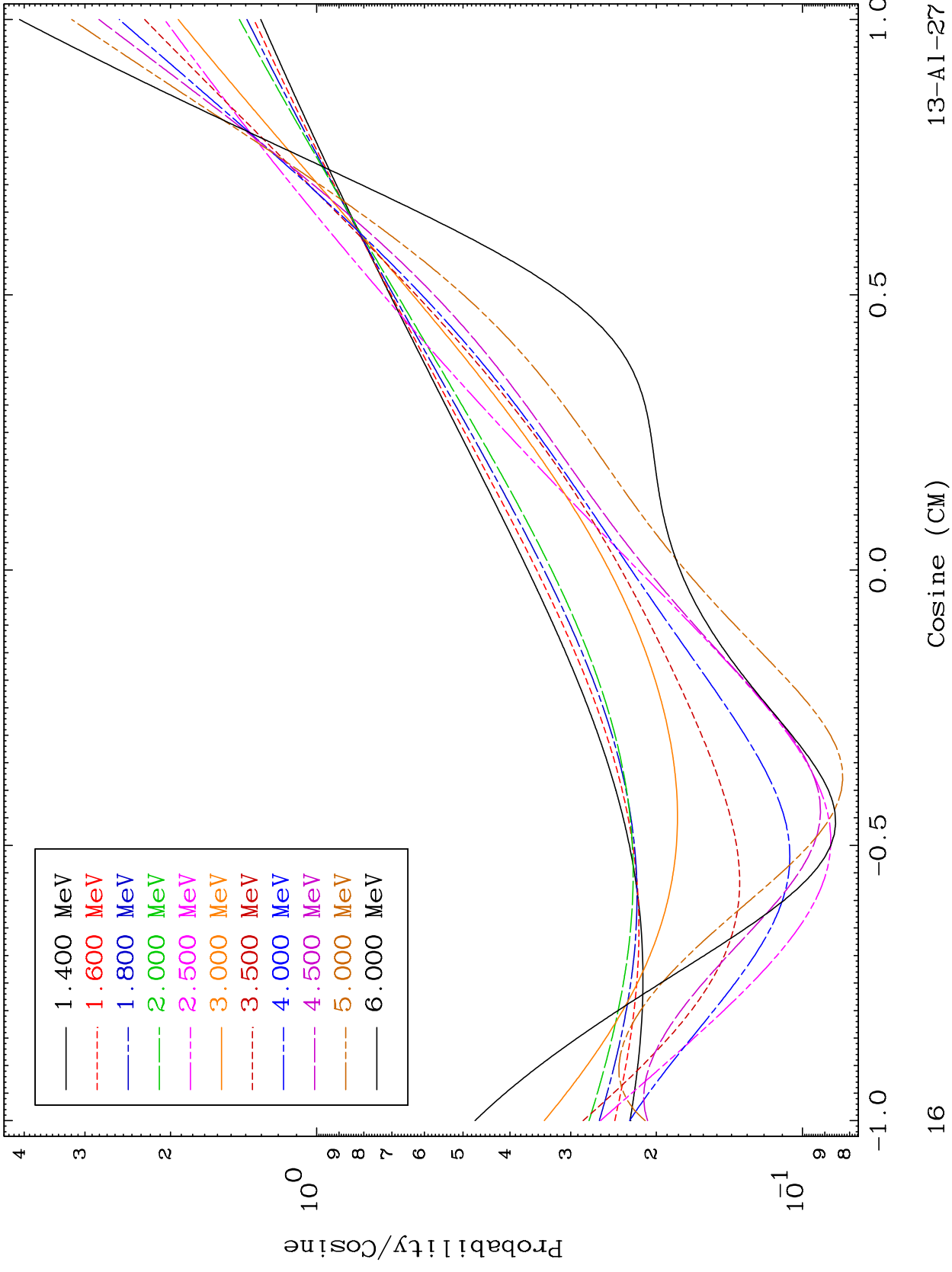


15

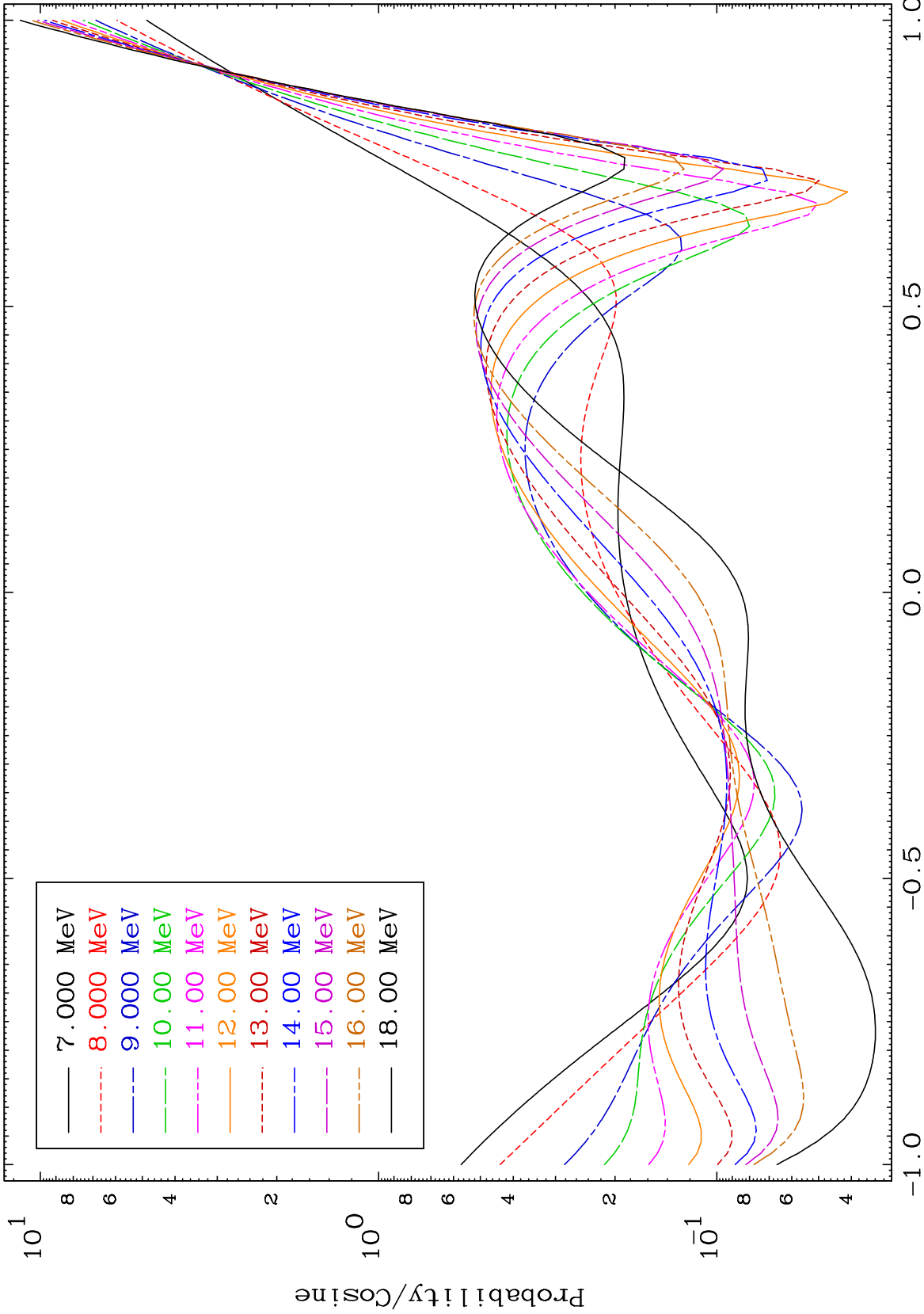
Cosine (CM)

13-Al-27

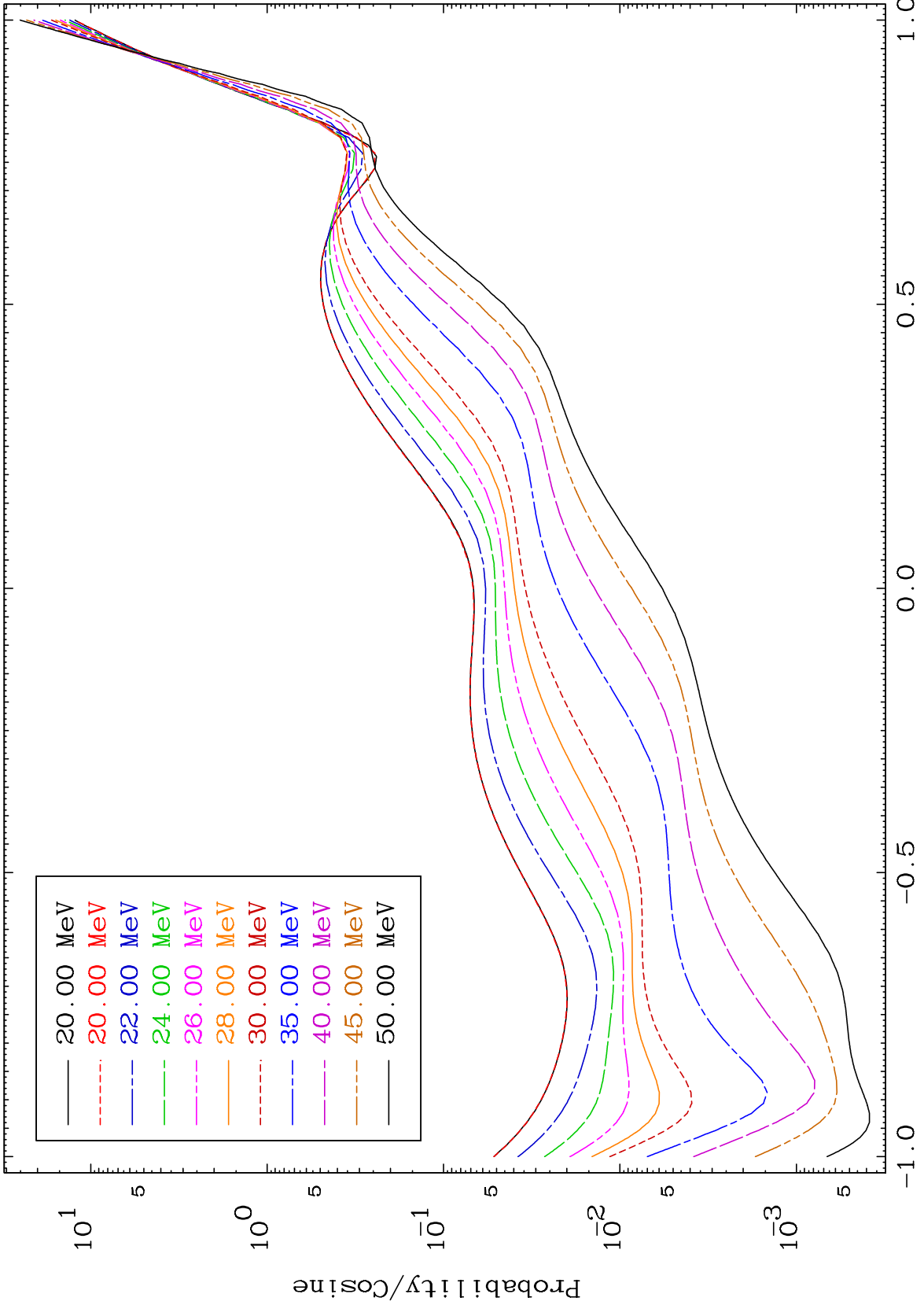
Elastic Angular Distributions



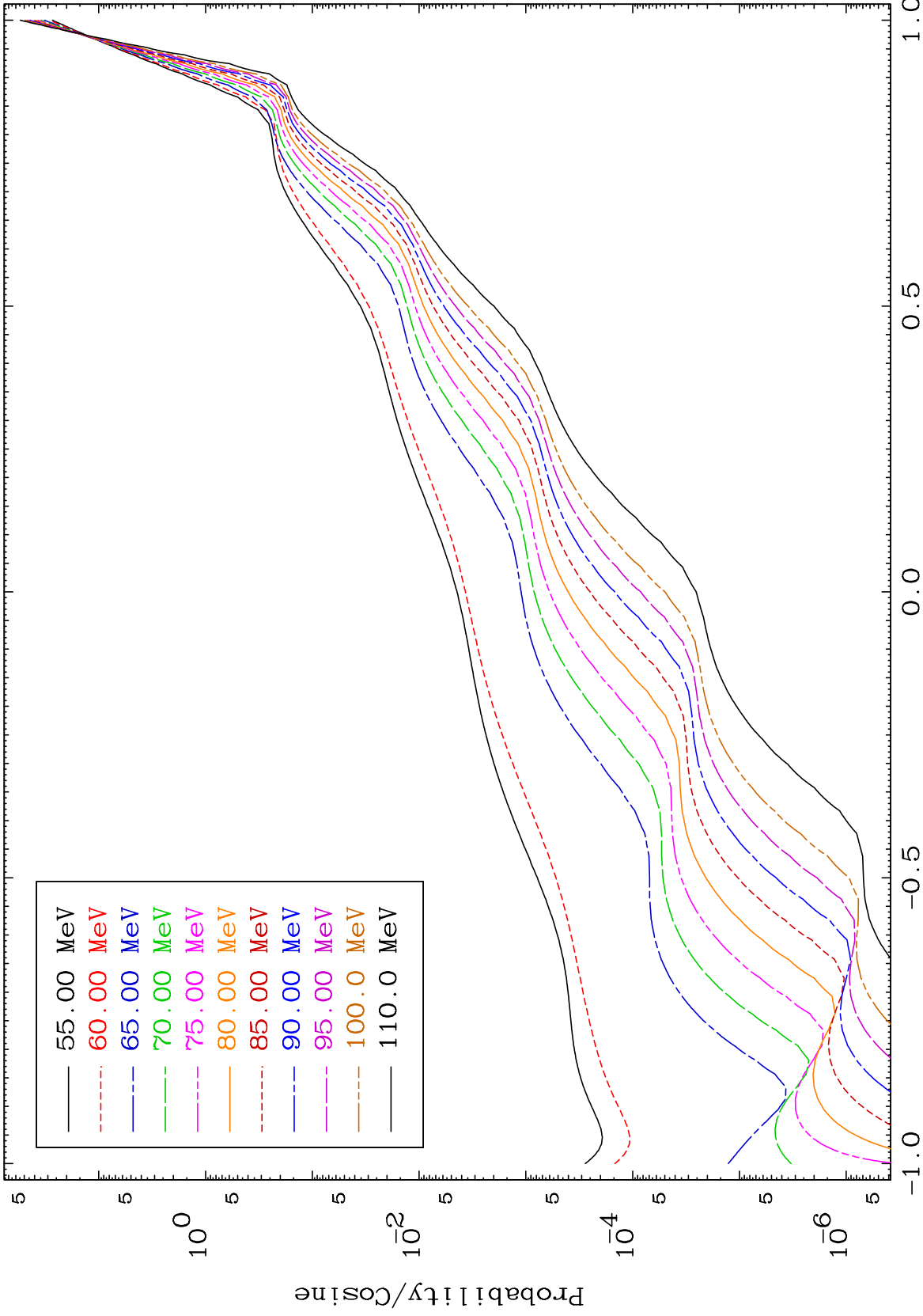
Elastic
Angular Distributions



Elastic
Angular Distributions



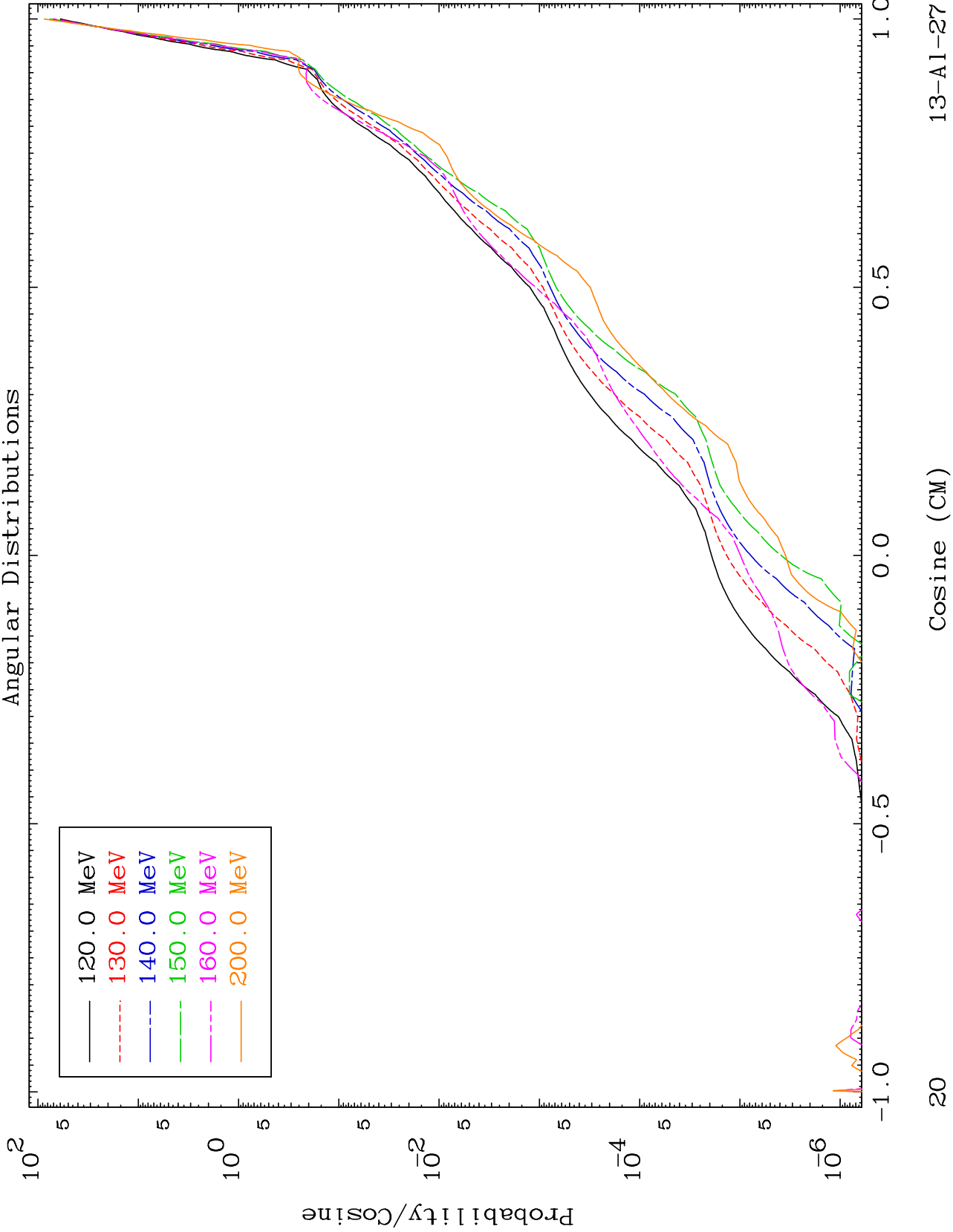
Elastic Angular Distributions



MAT 1325

Elastic Angular Distributions

13-Al-27

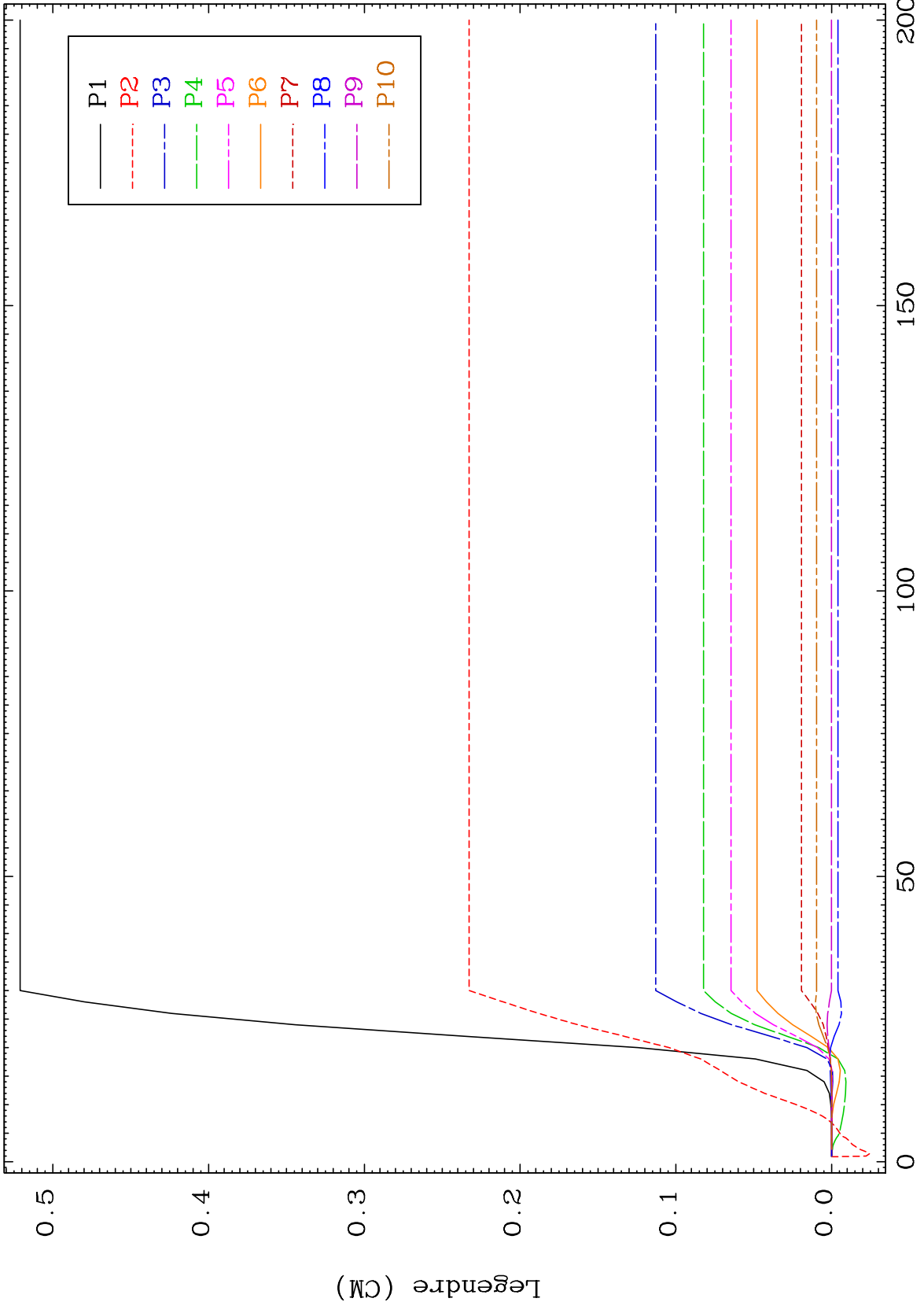


20

MAT 1325

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

13-Al-27



21

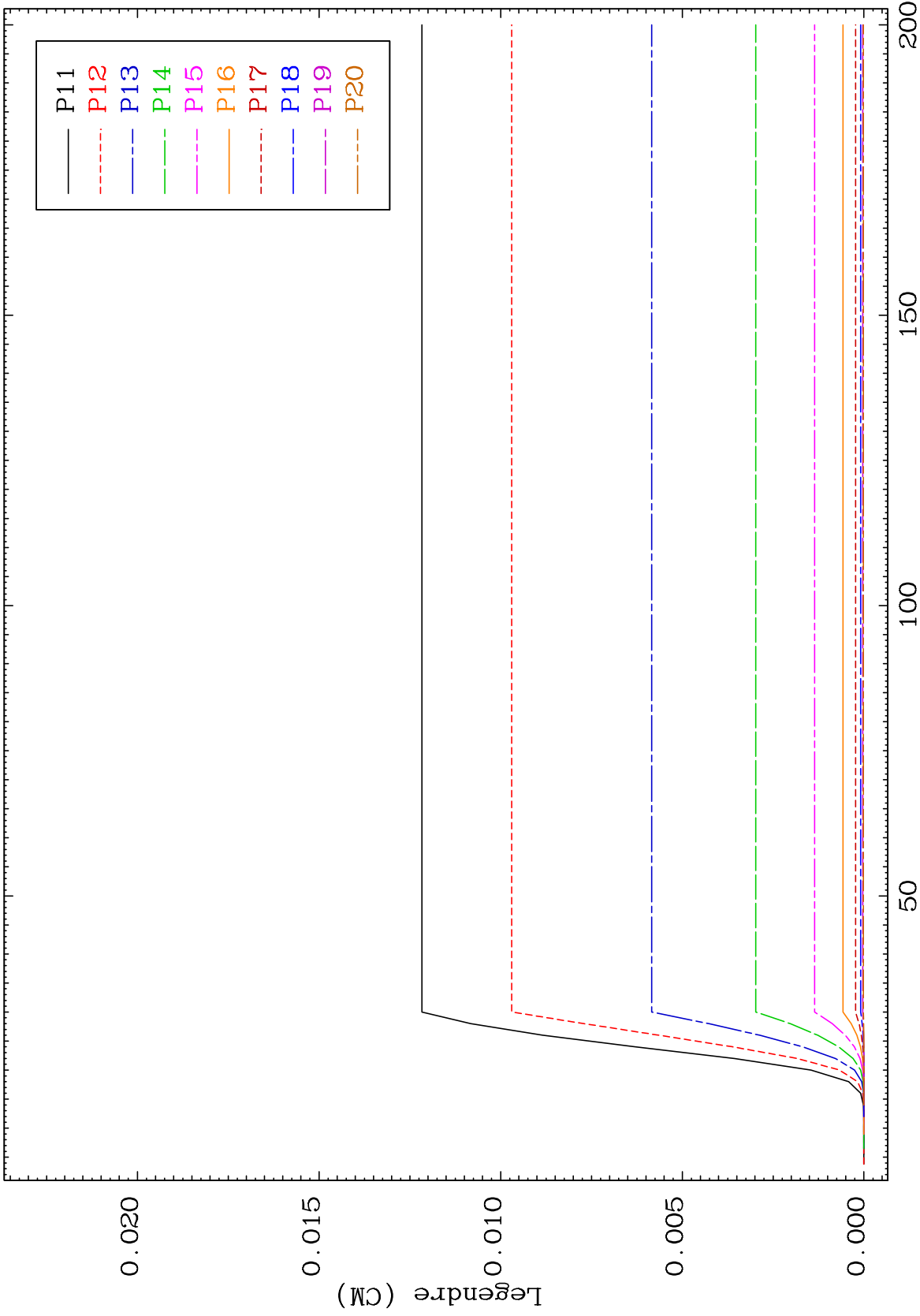
Incident Energy (MeV)

13-Al-27

MAT 1325

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

13-Al-27



22

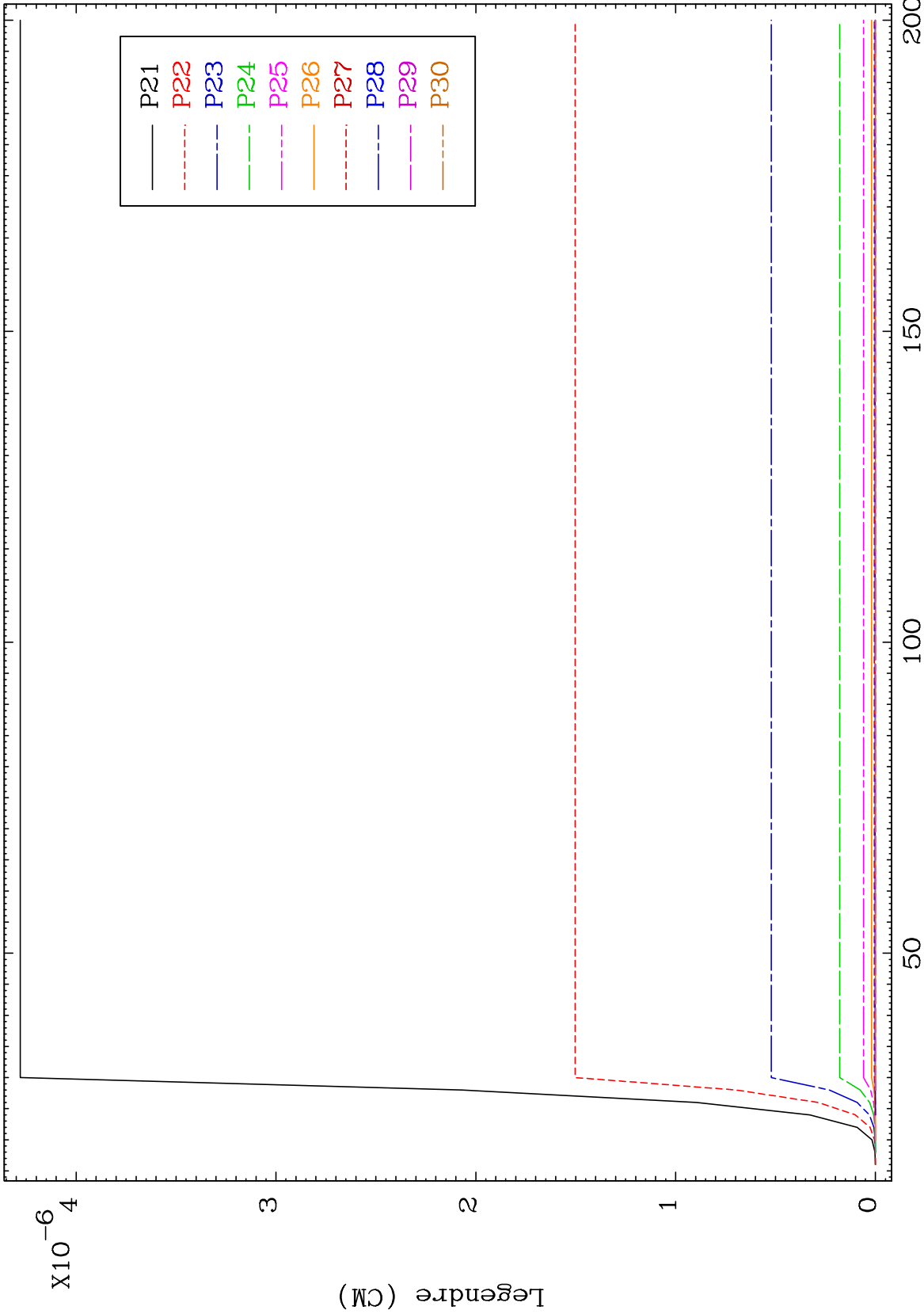
Incident Energy (MeV)

13-Al-27

MAT 1325

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

13-Al-27



23

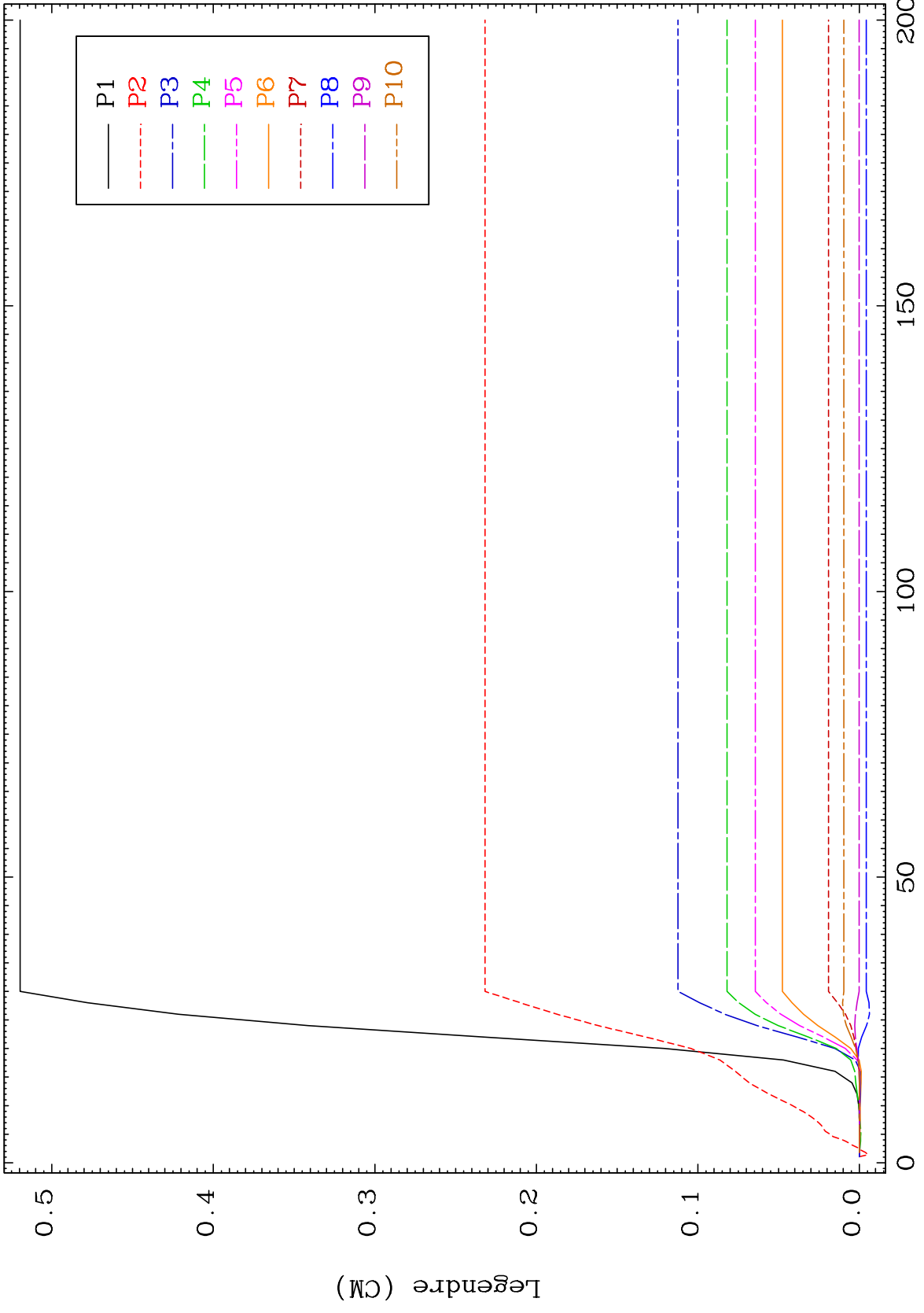
Incident Energy (MeV)

13-Al-27

MAT 1325

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

13-Al-27



24

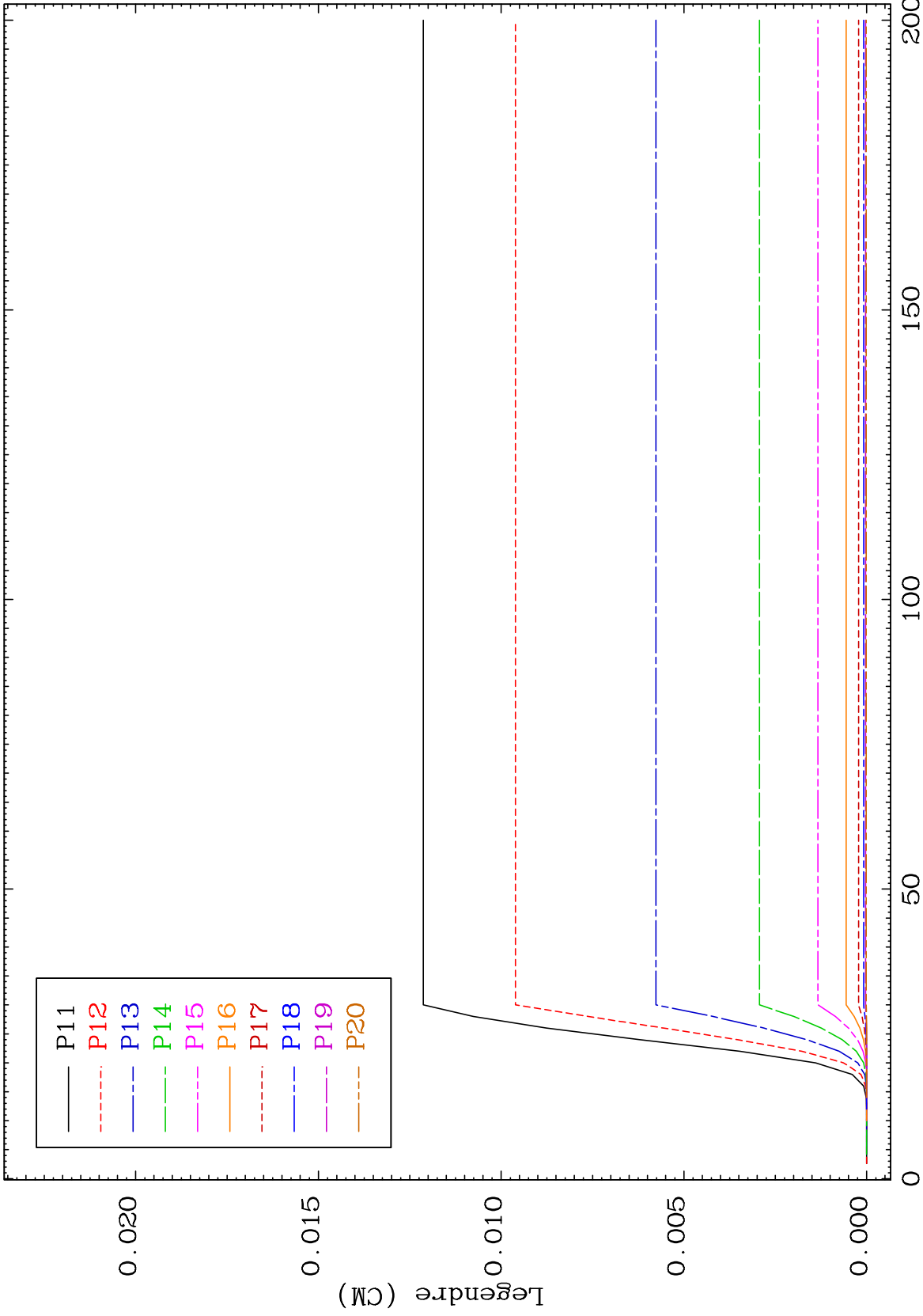
Incident Energy (MeV)

13-Al-27

MAT 1325

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

13-Al-27



25

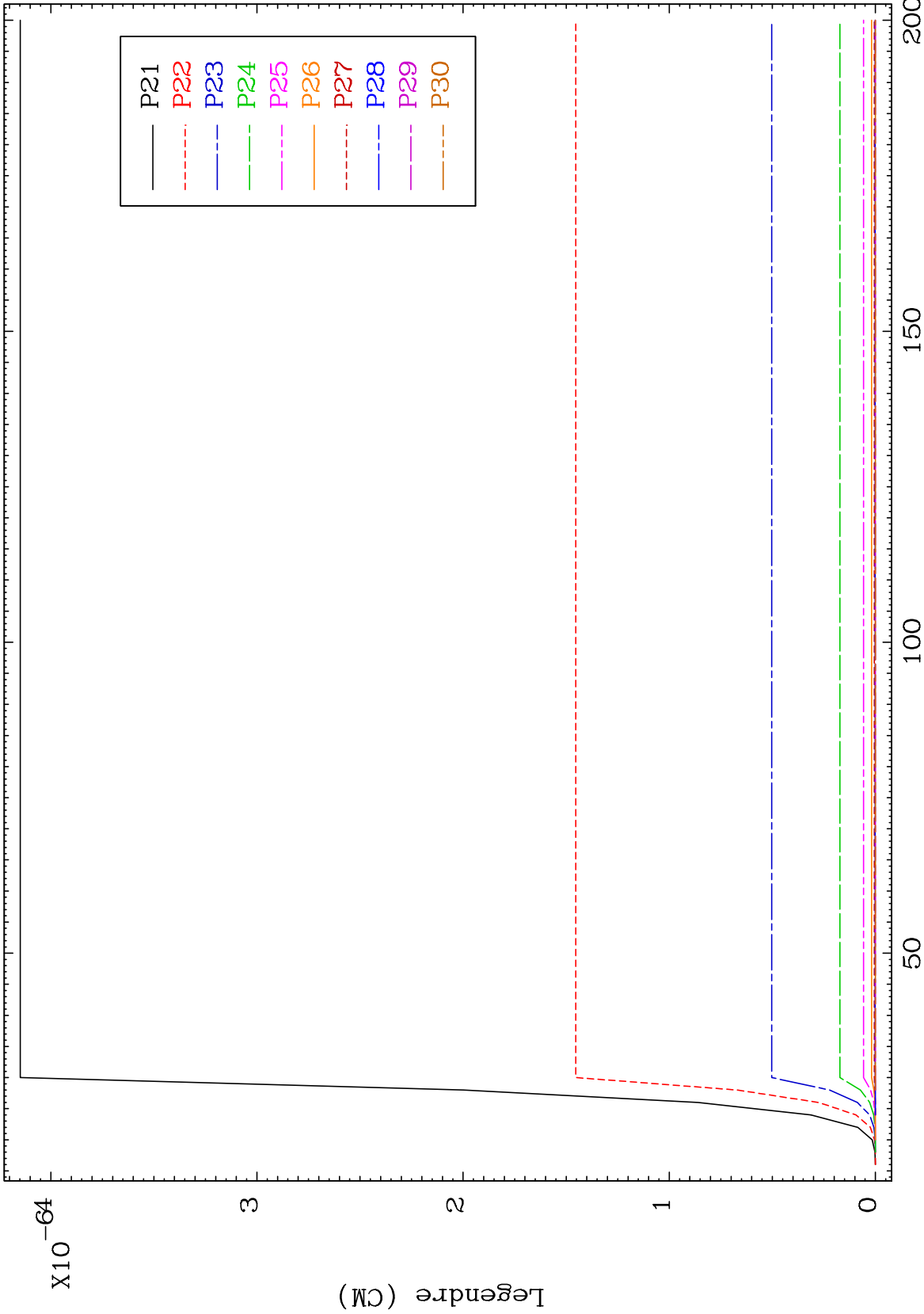
Incident Energy (MeV)

13-Al-27

MAT 1325

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

13-Al-27



26

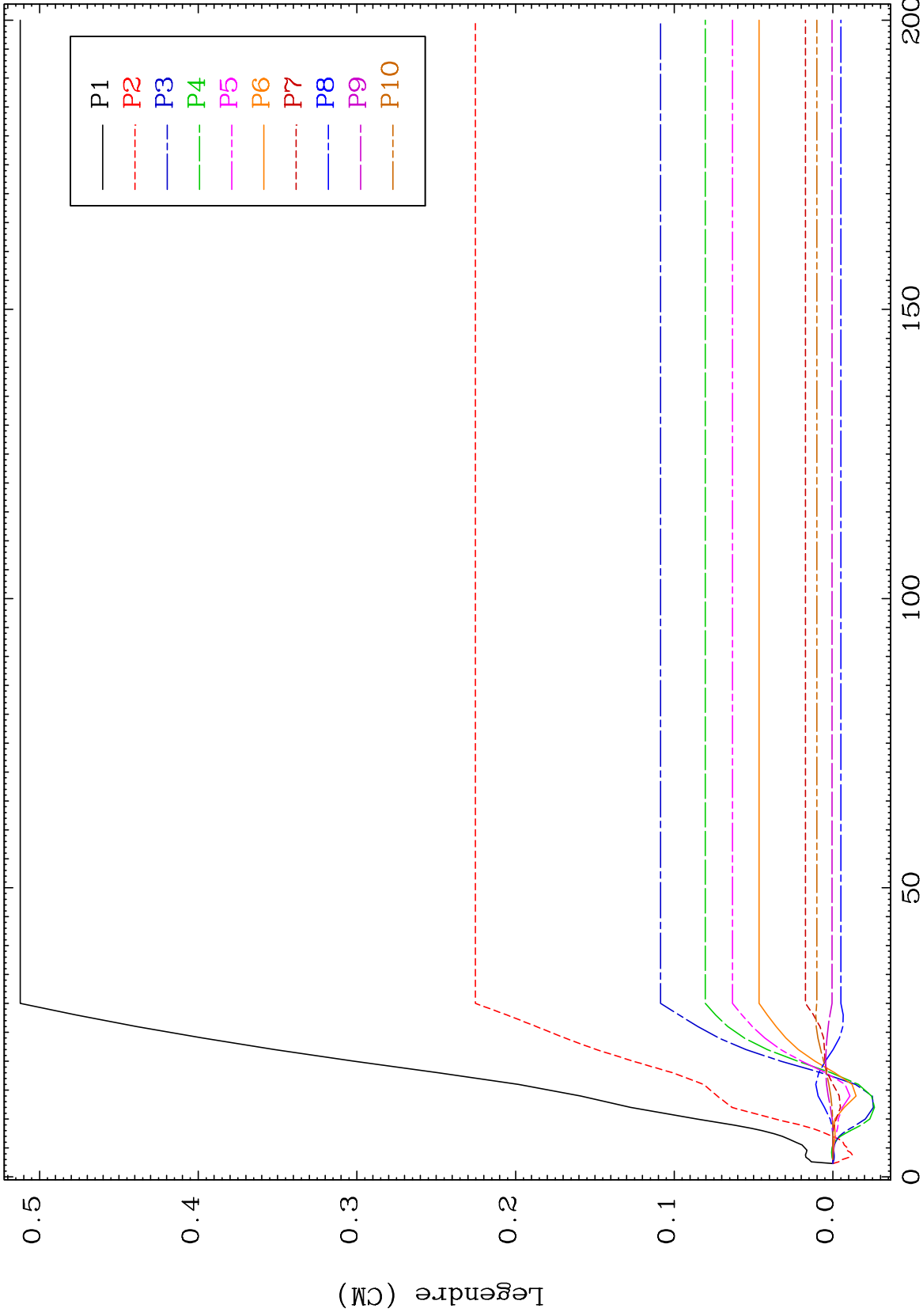
Incident Energy (MeV)

13-Al-27

MAT 1325

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

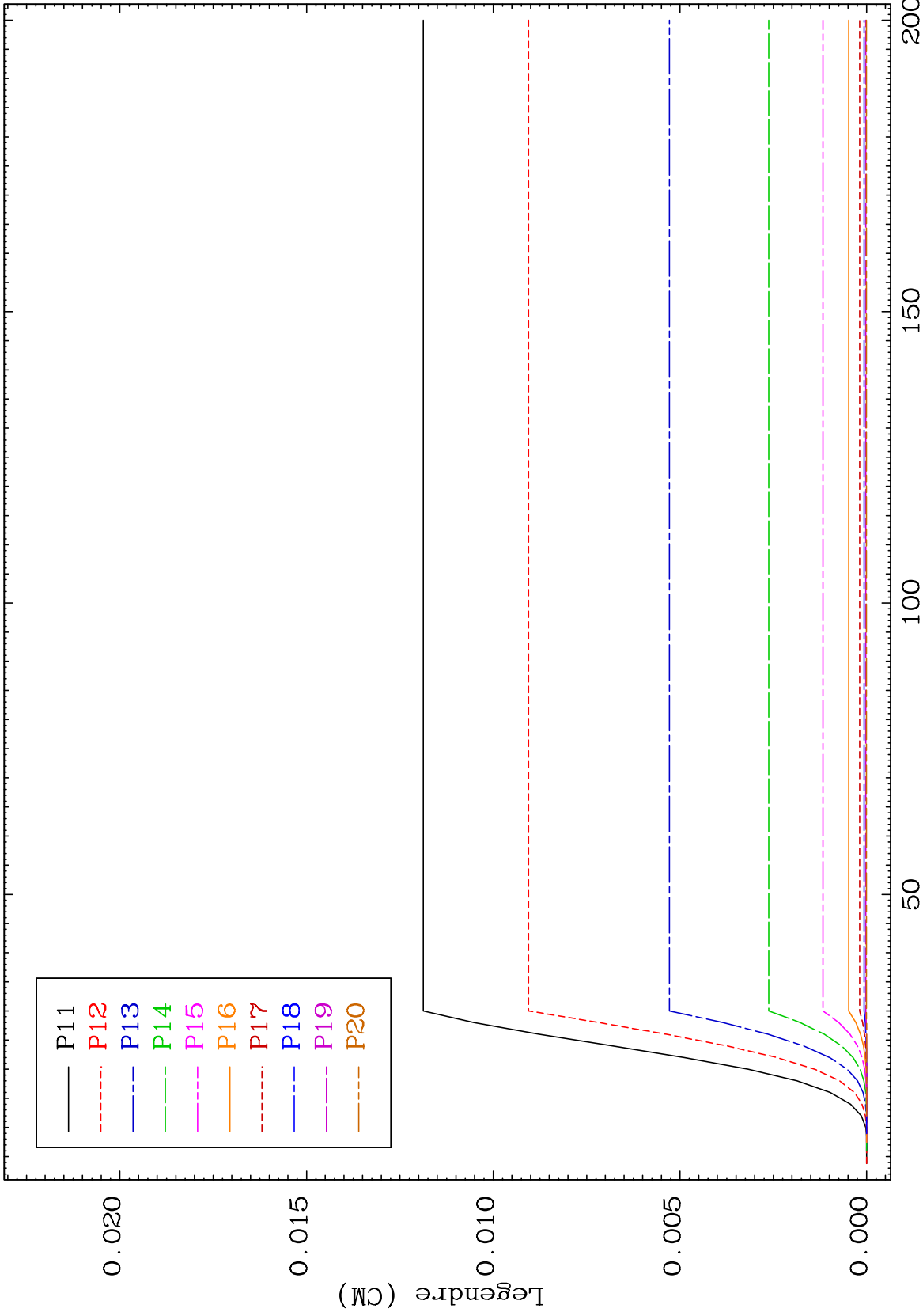
13-Al-27



27

Incident Energy (MeV)

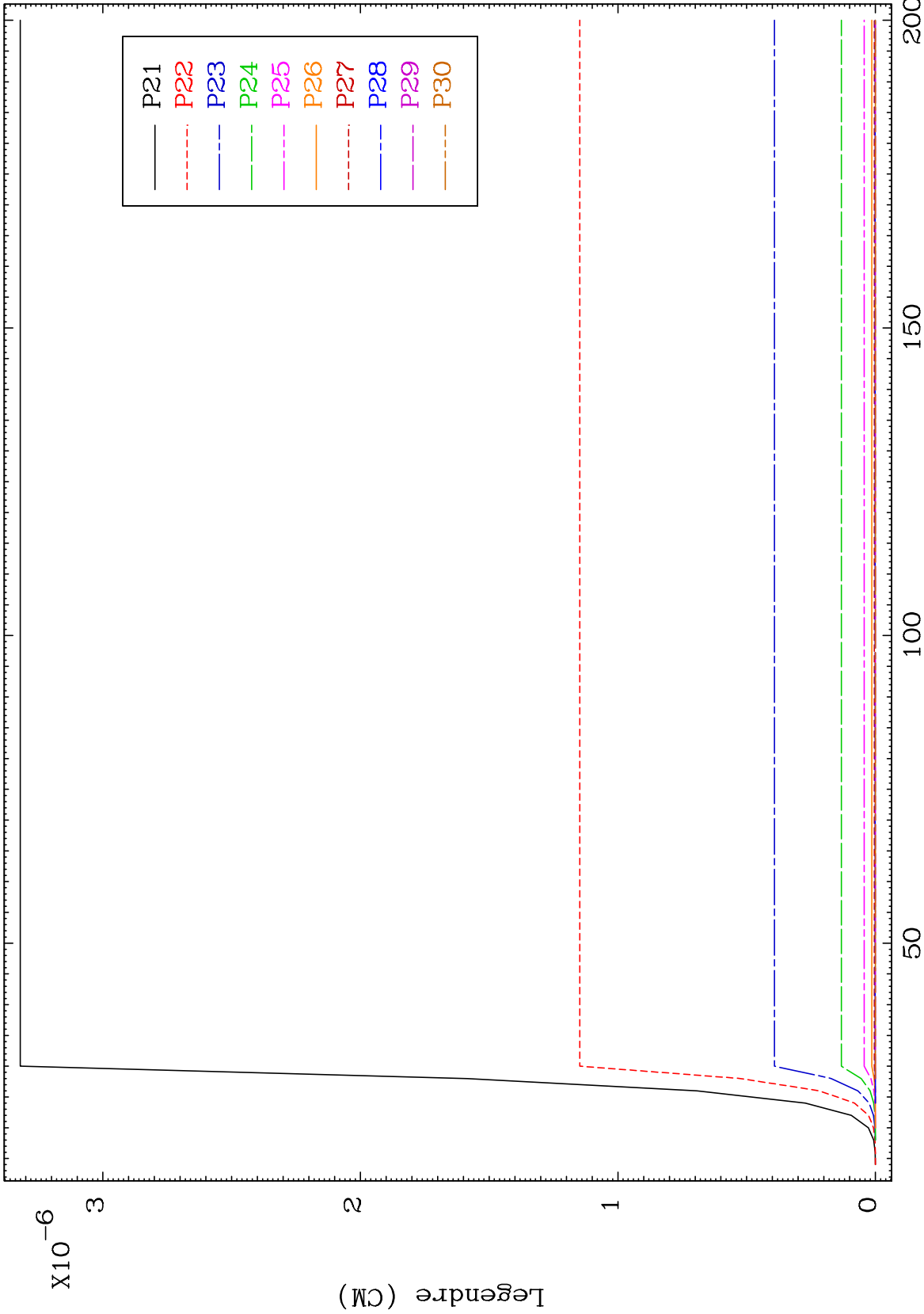
13-Al-27



MAT 1325

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

13-Al-27



29

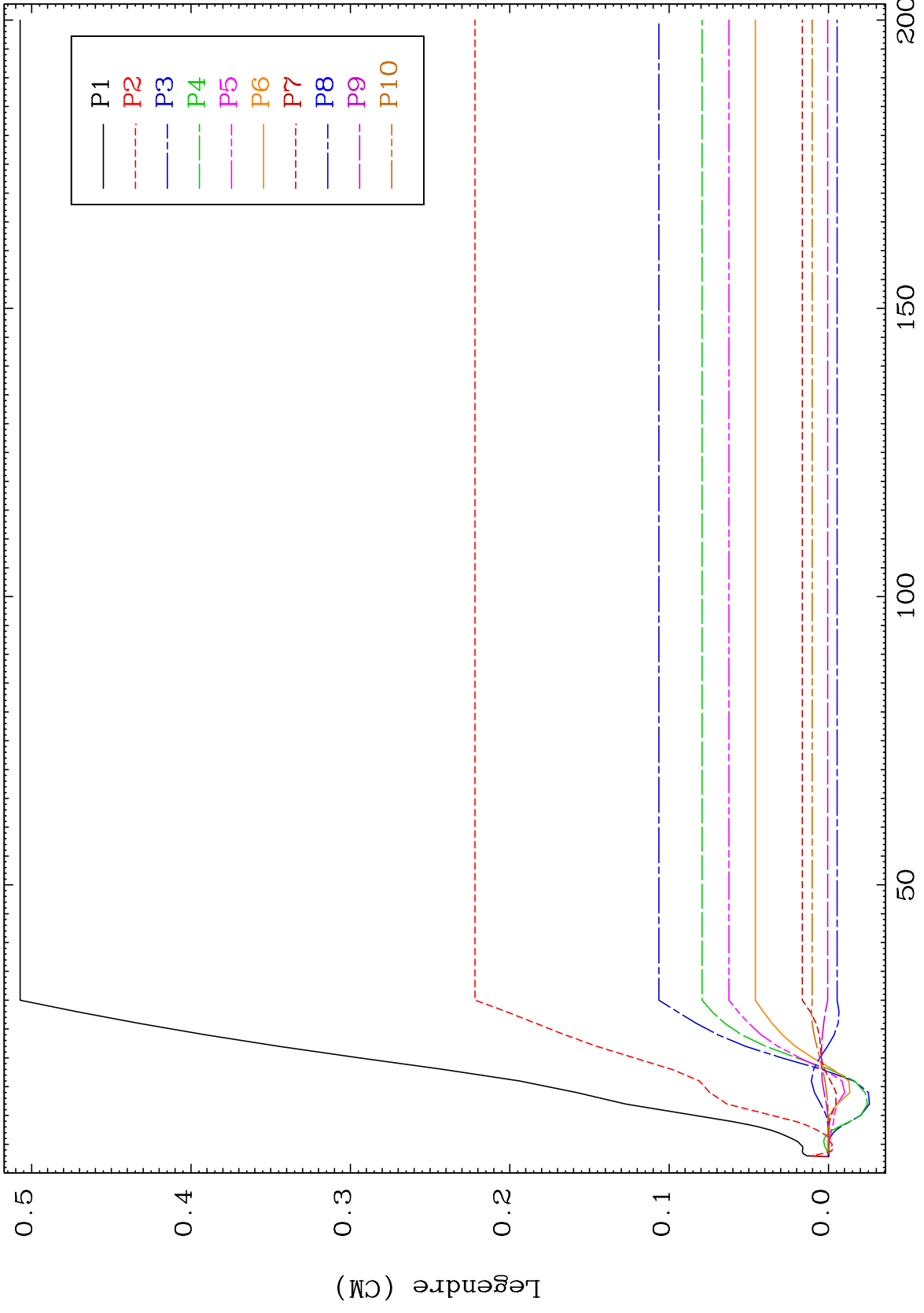
Incident Energy (MeV)

13-Al-27

MAT 1325

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

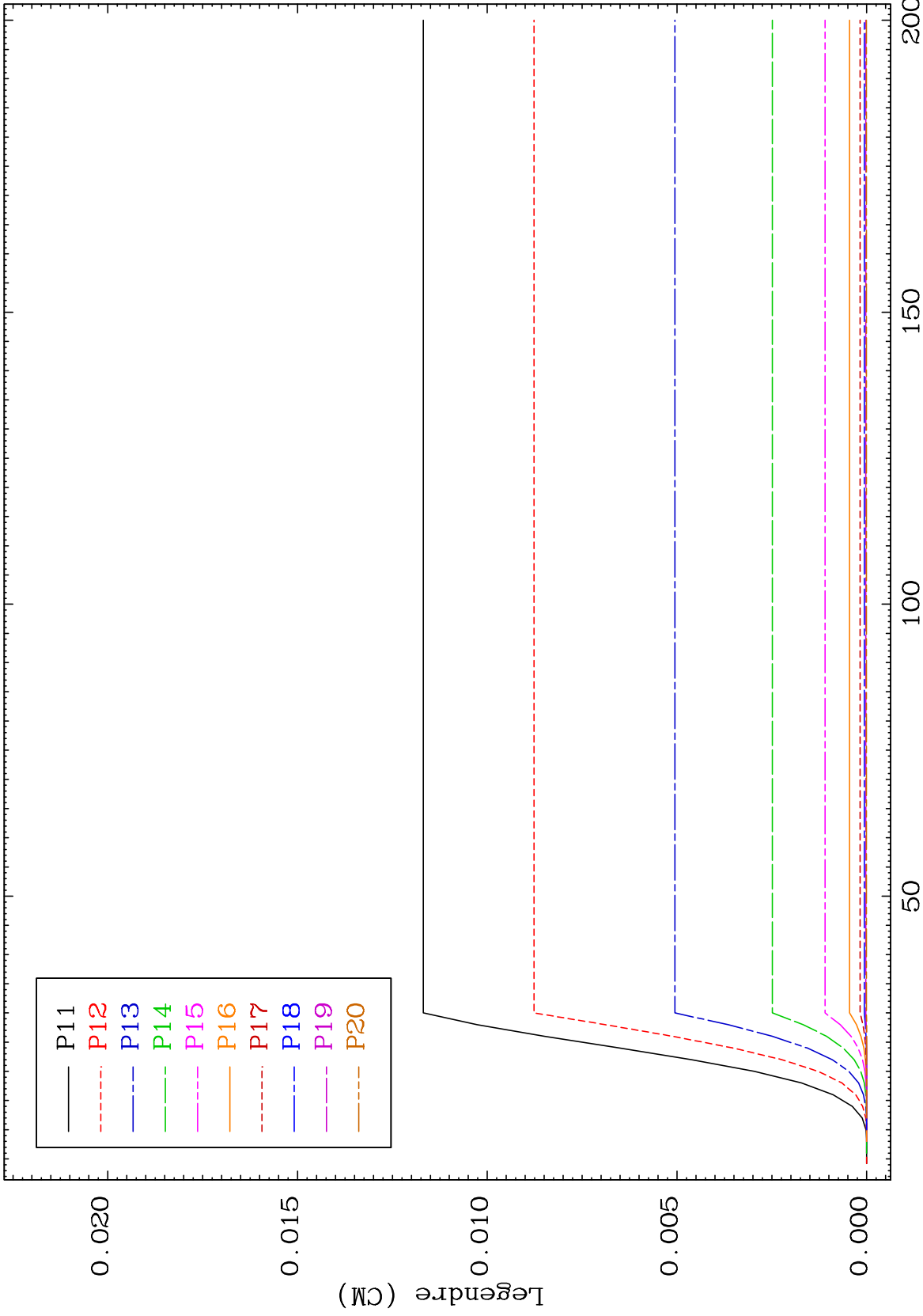
13-Al-27



30

Incident Energy (MeV)

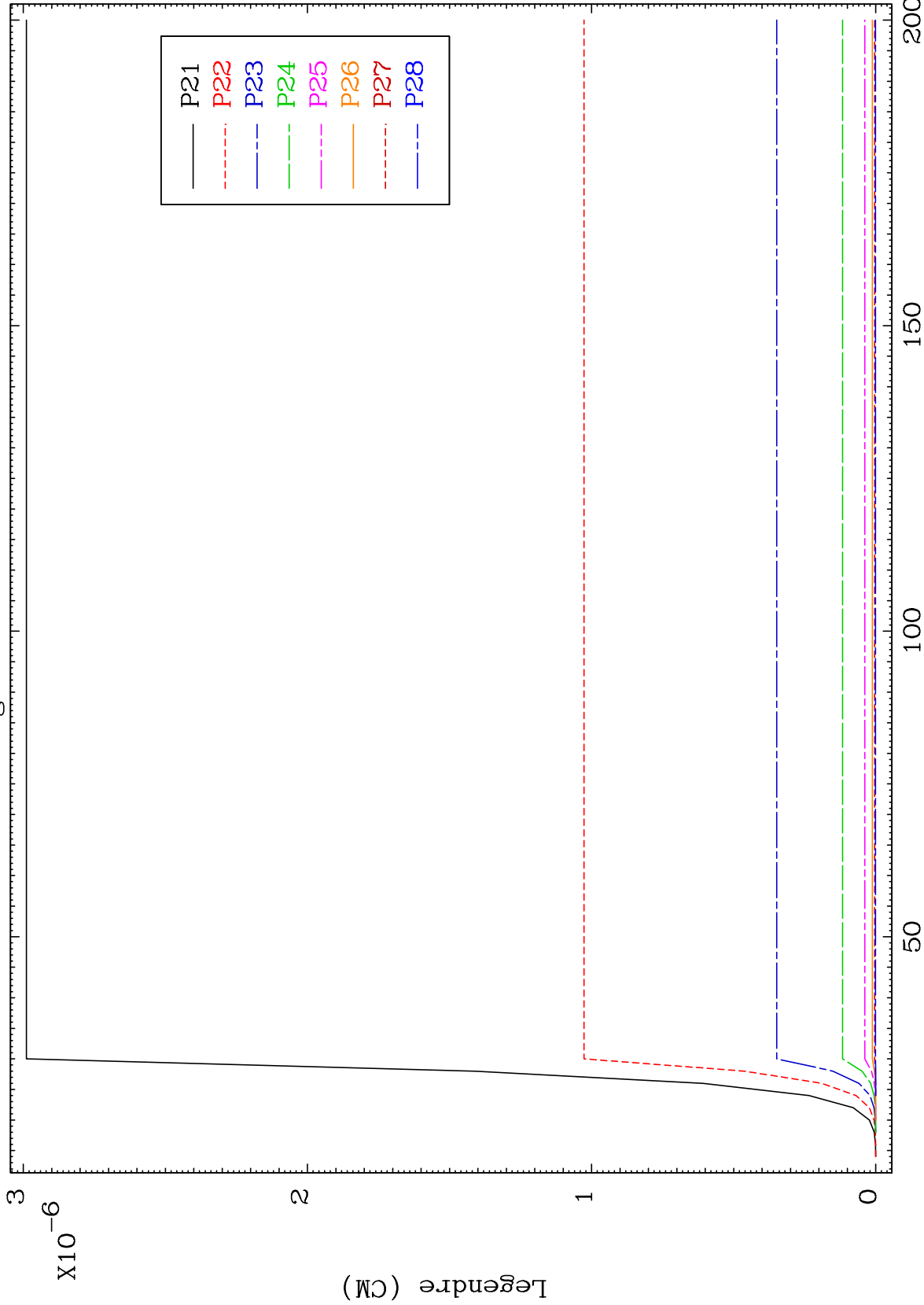
13-Al-27



MAT 1325

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

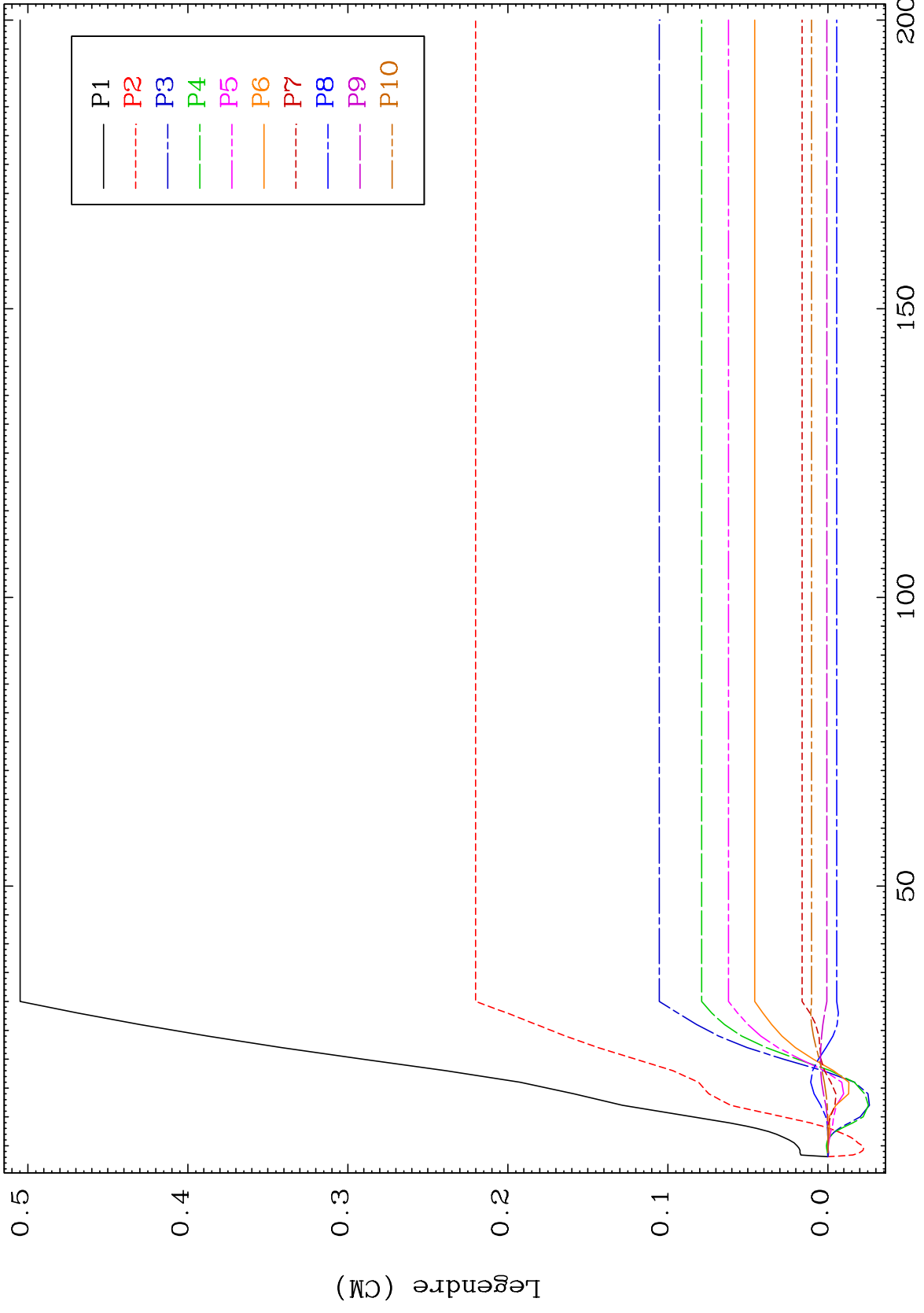
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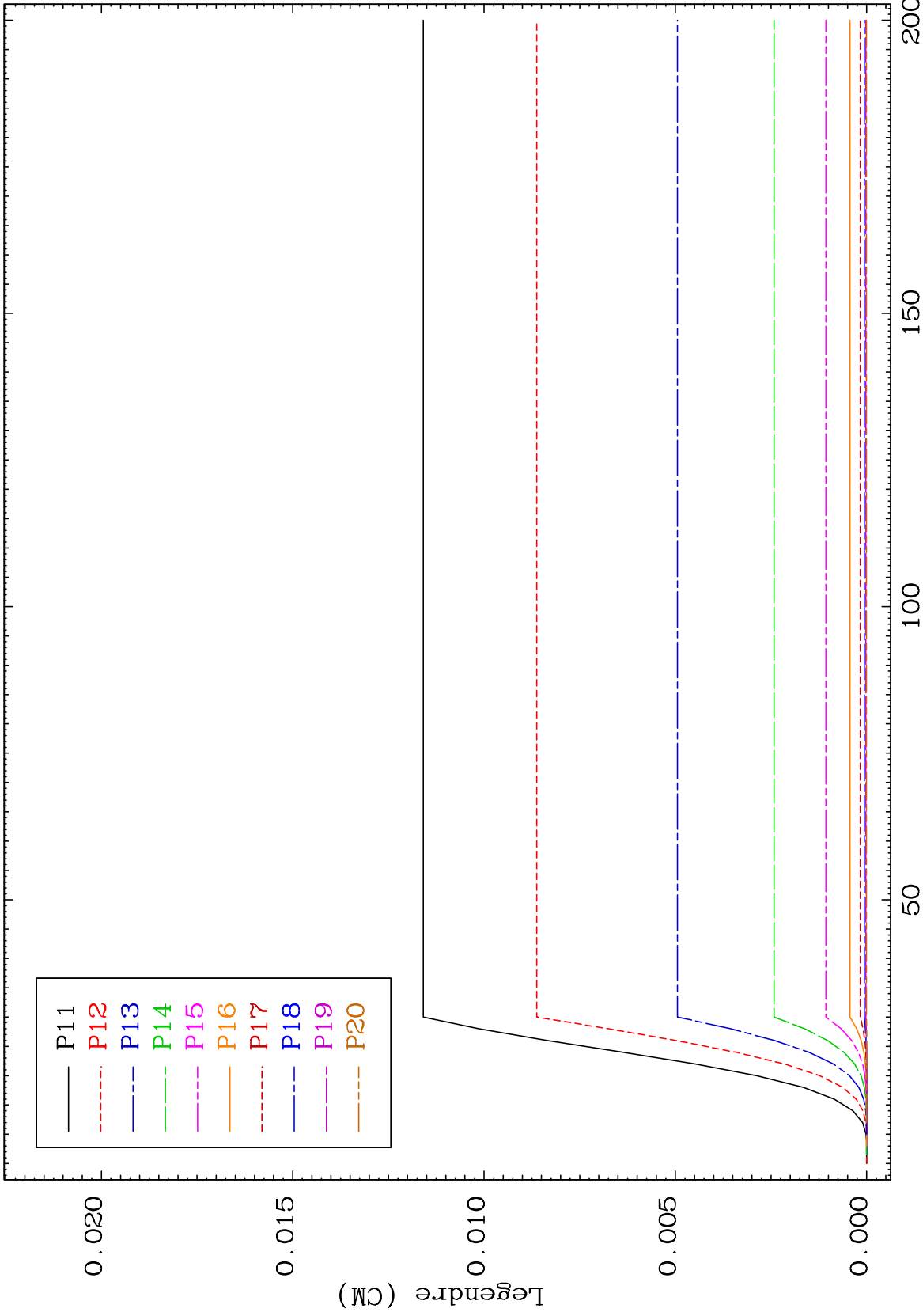


32

Incident Energy (MeV)

13-Al-27

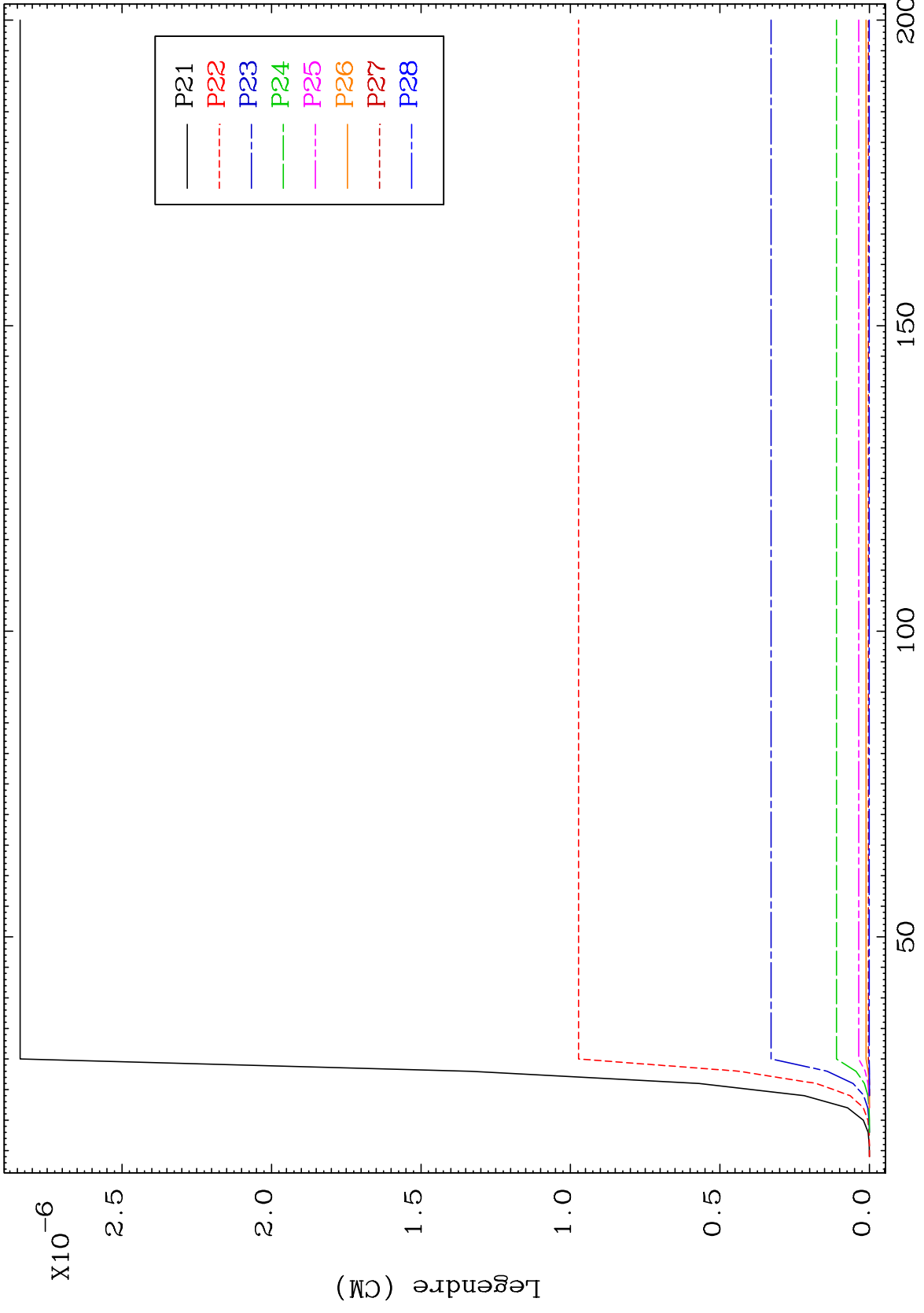




MAT 1325

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

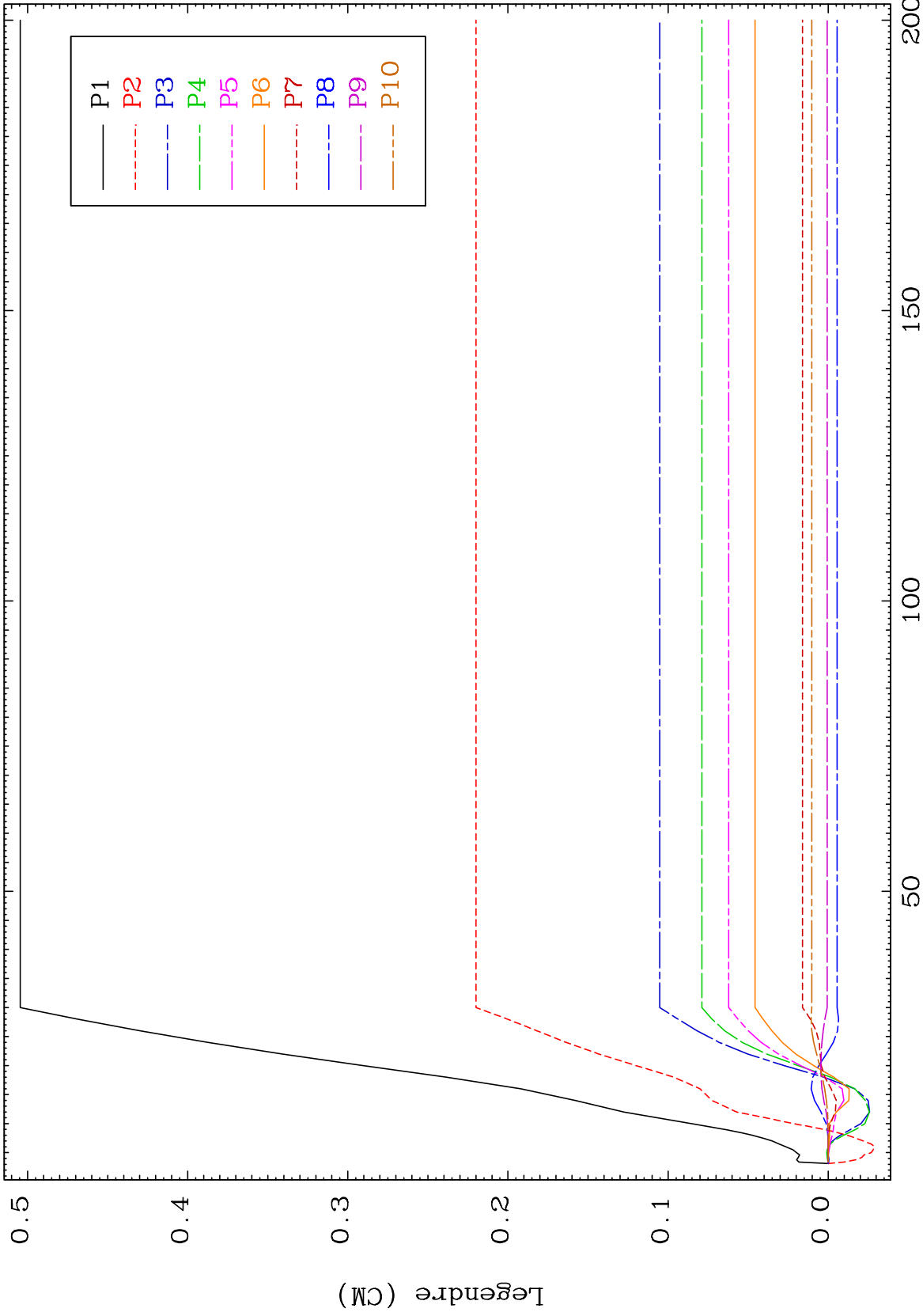
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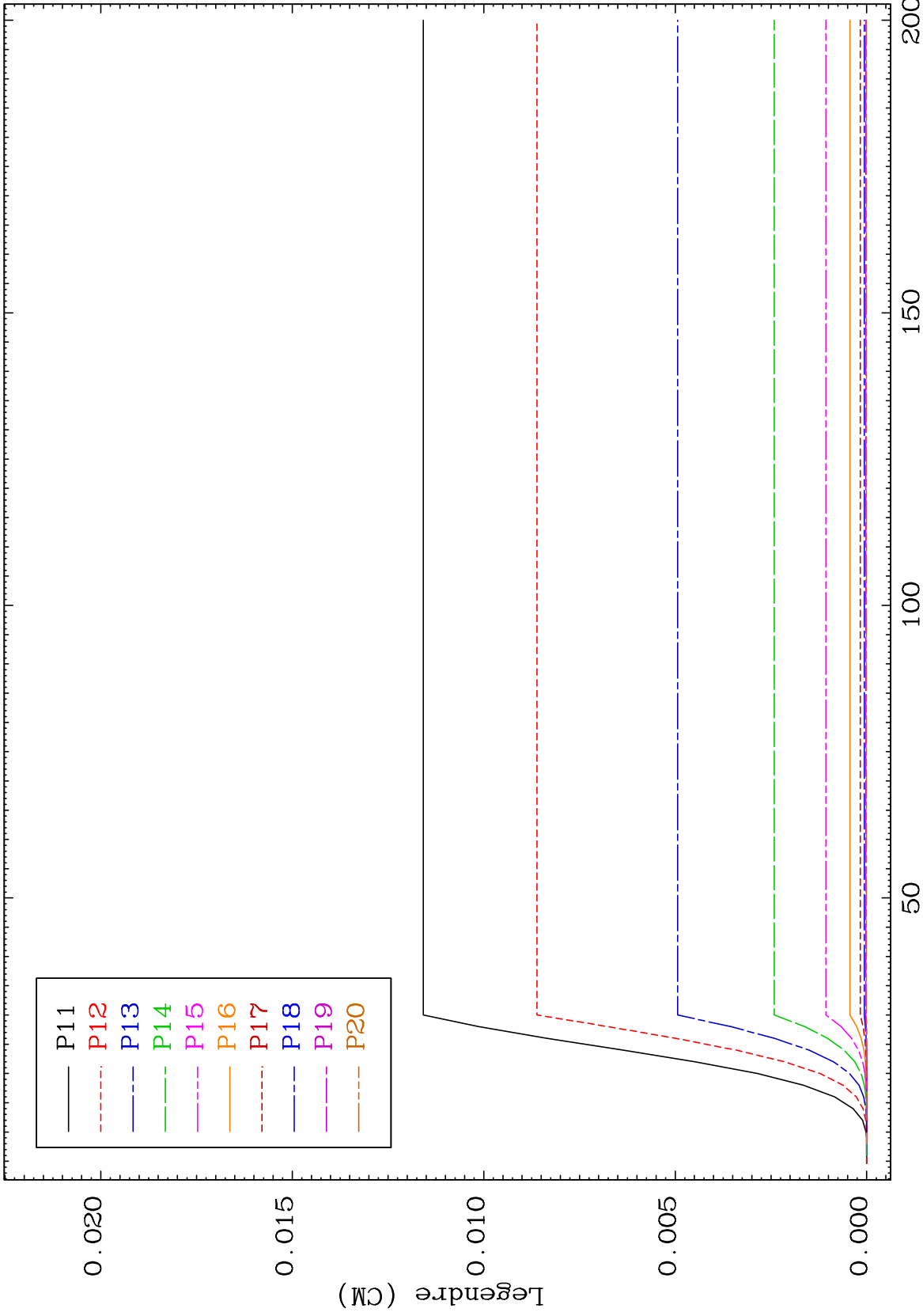


35

Incident Energy (MeV)

13-Al-27

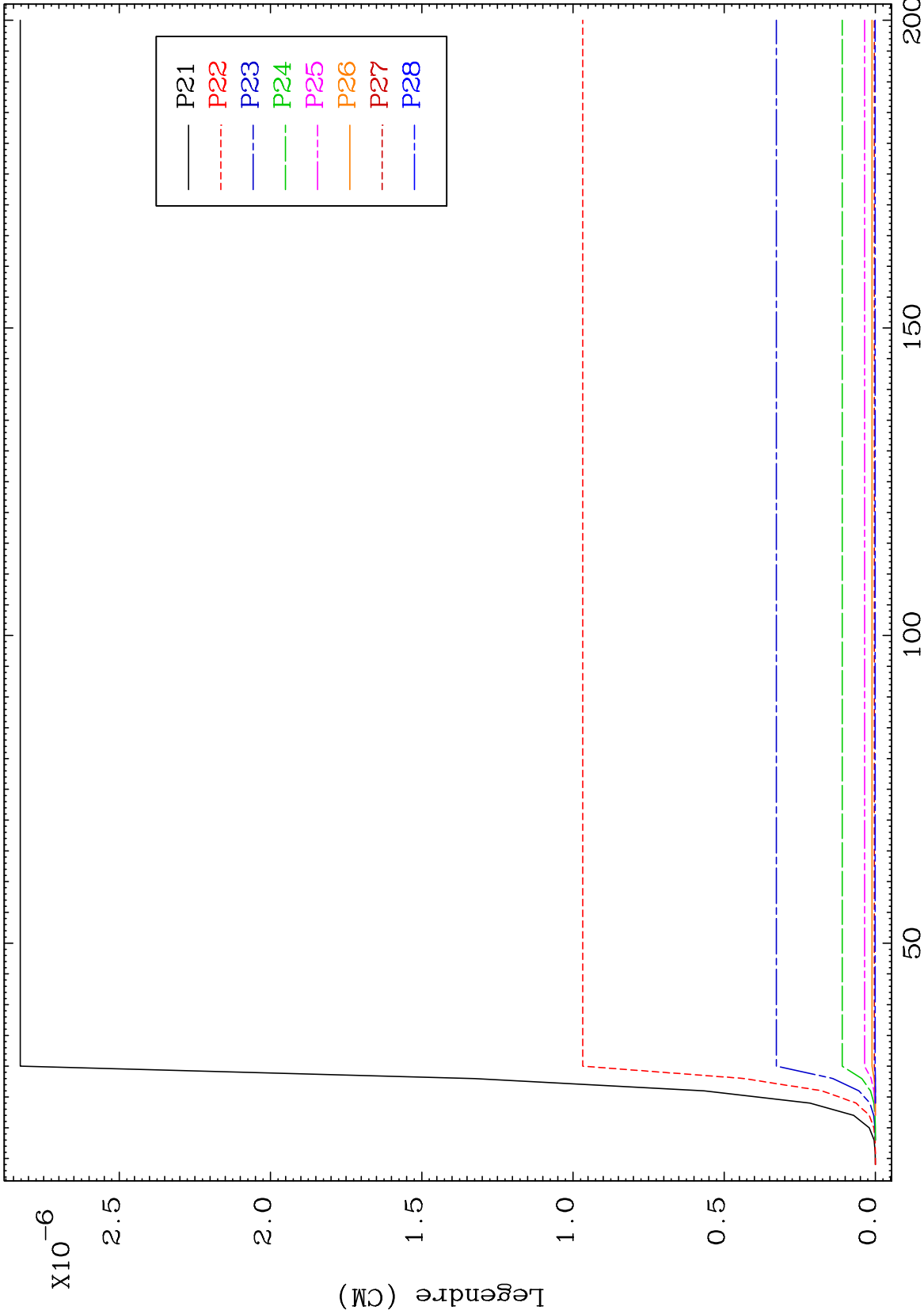




MAT 1325

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

13-Al-27



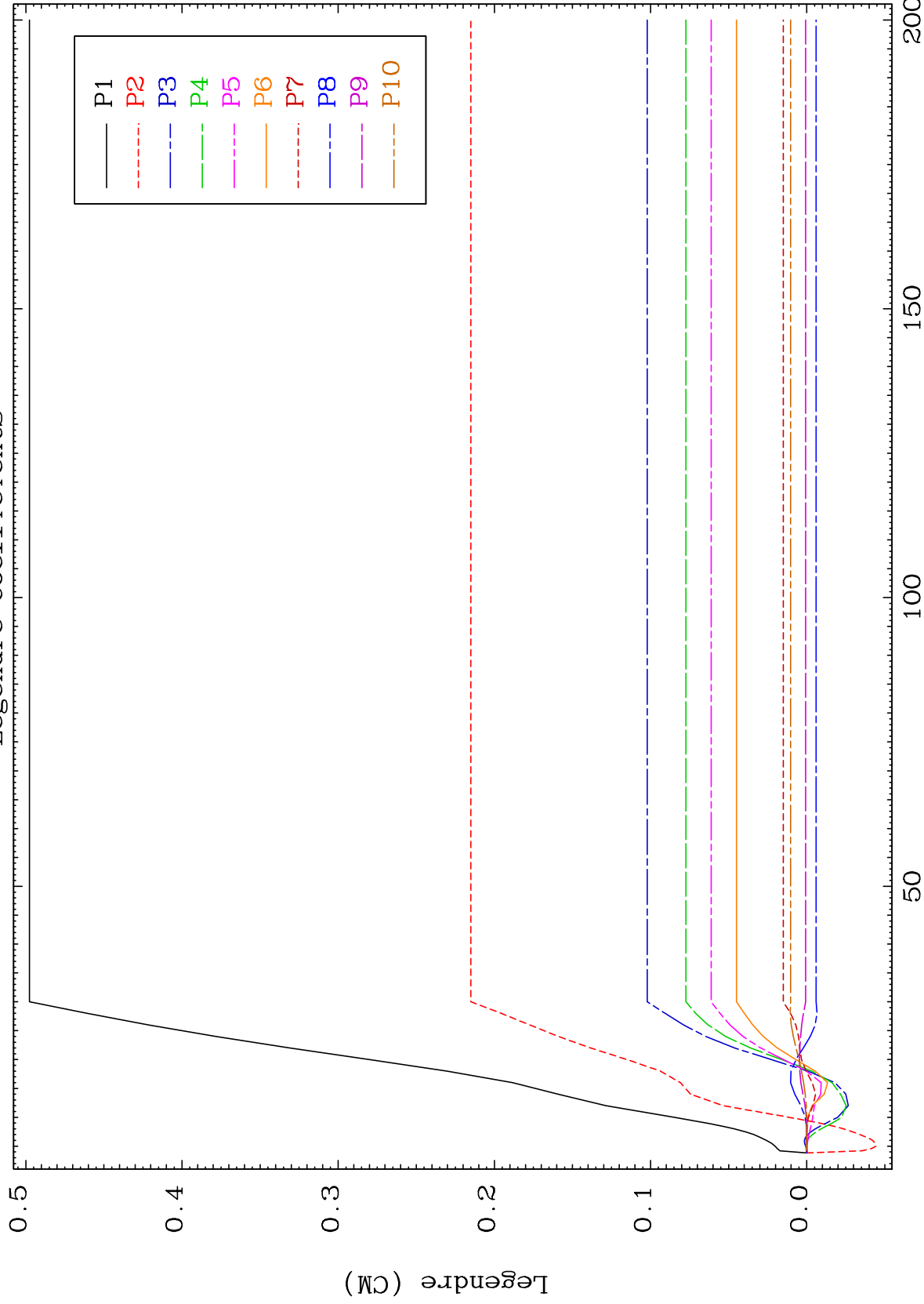
38

13-Al-27

MAT 1325

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

13-Al-27



39

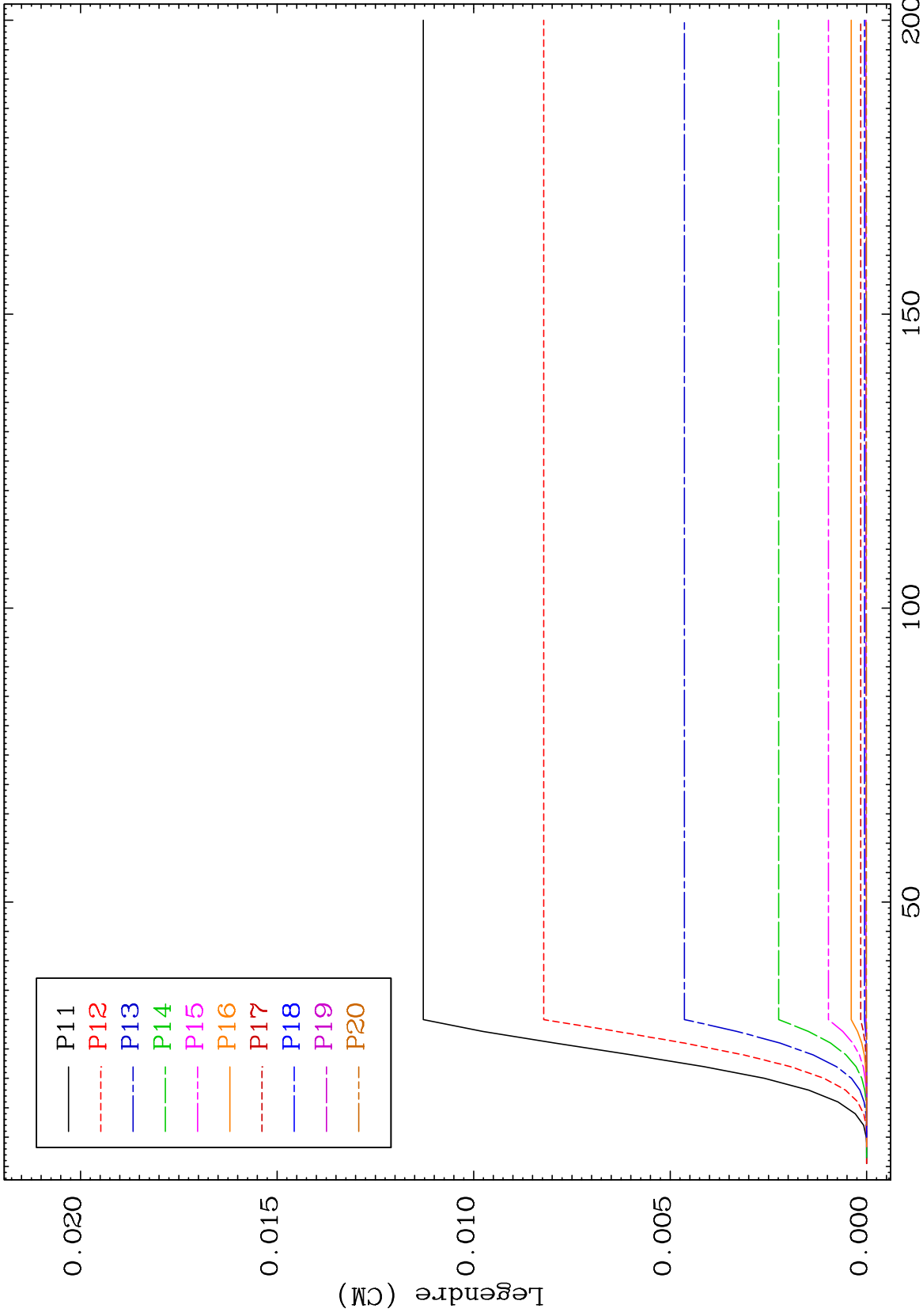
Incident Energy (MeV)

13-Al-27

MAT 1325

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

13-Al-27



40

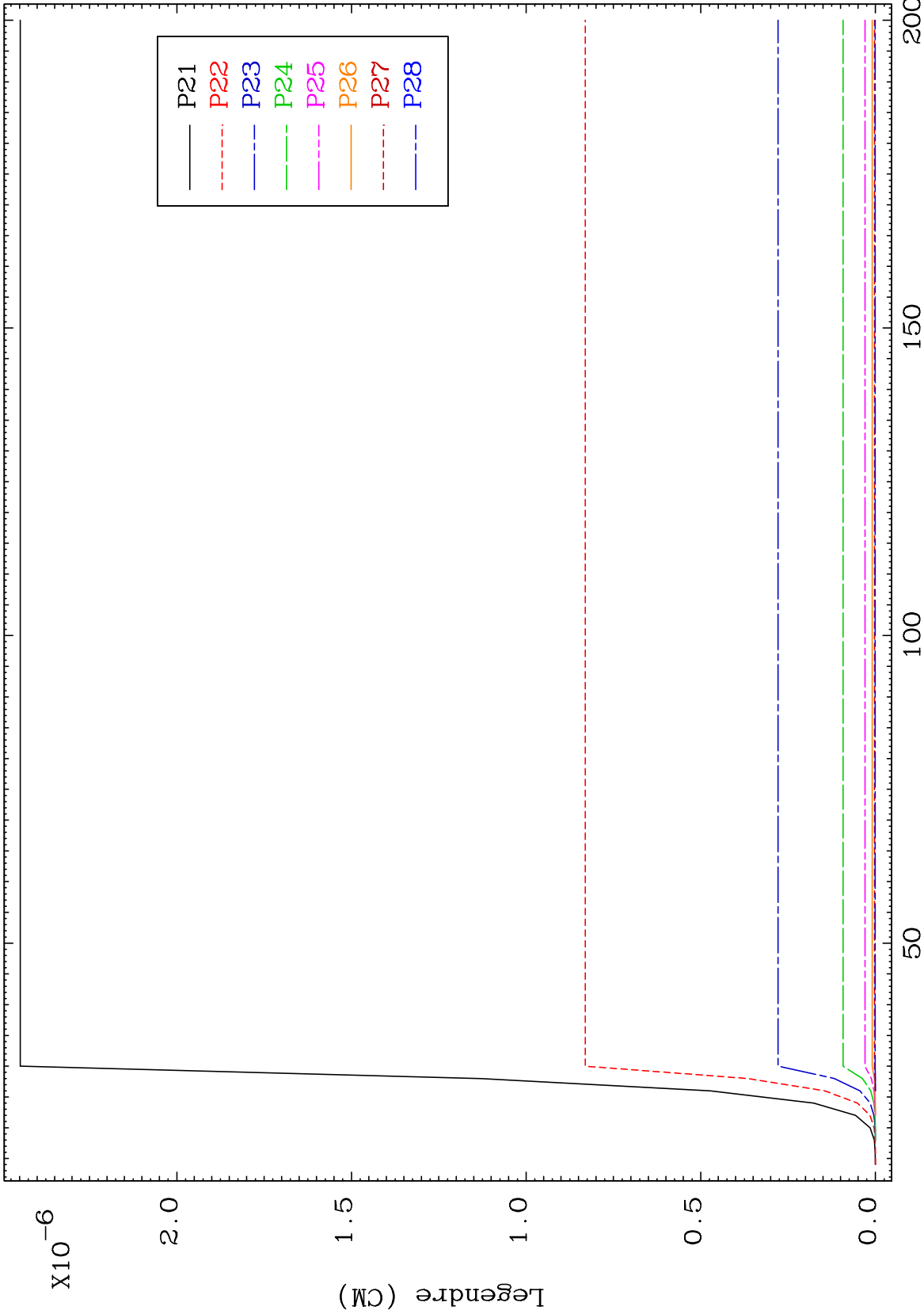
Incident Energy (MeV)

13-Al-27

MAT 1325

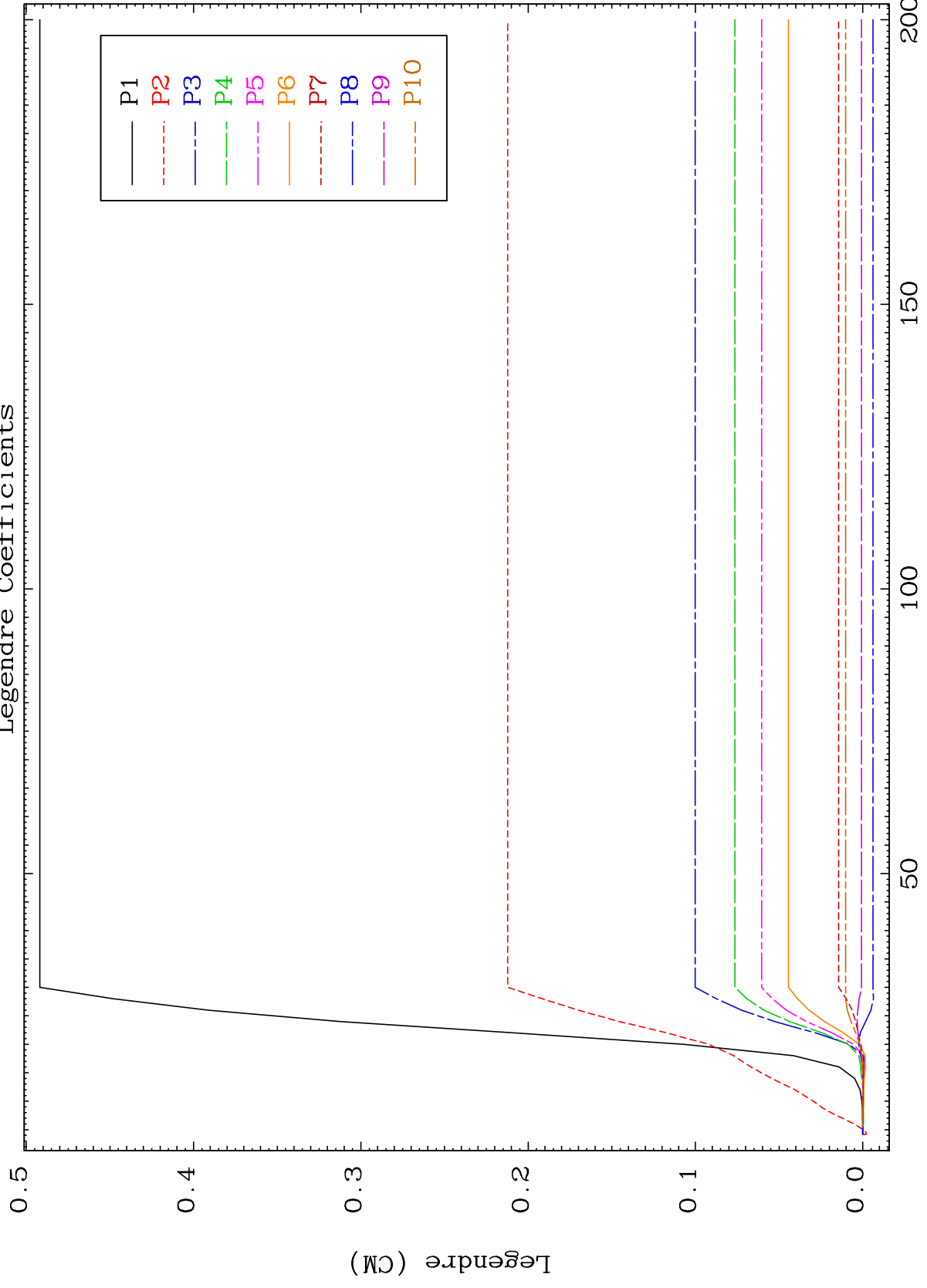
MT= 57 (n,n') Level
Legendre Coefficients

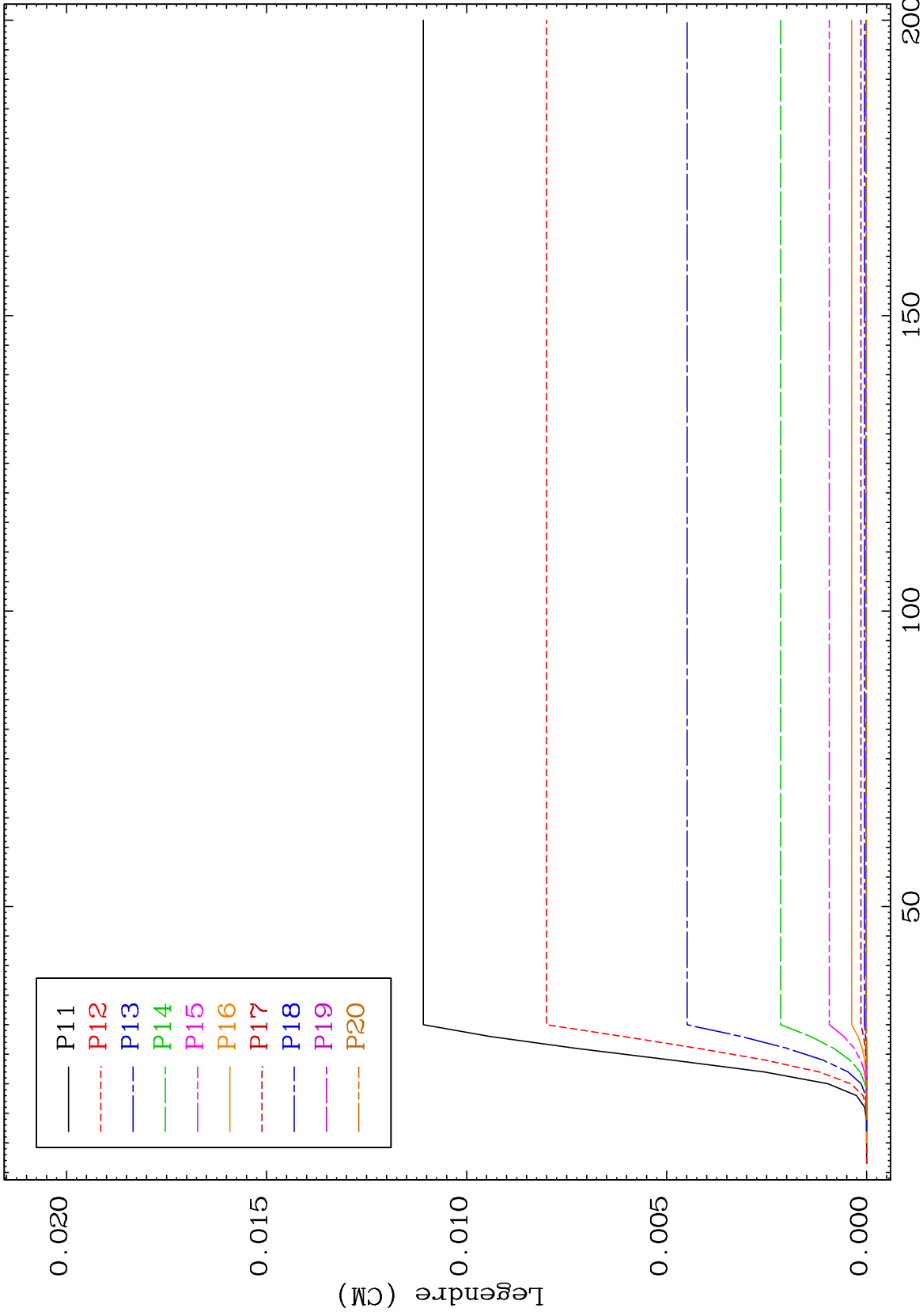
13-Al-27



41

13-Al-27

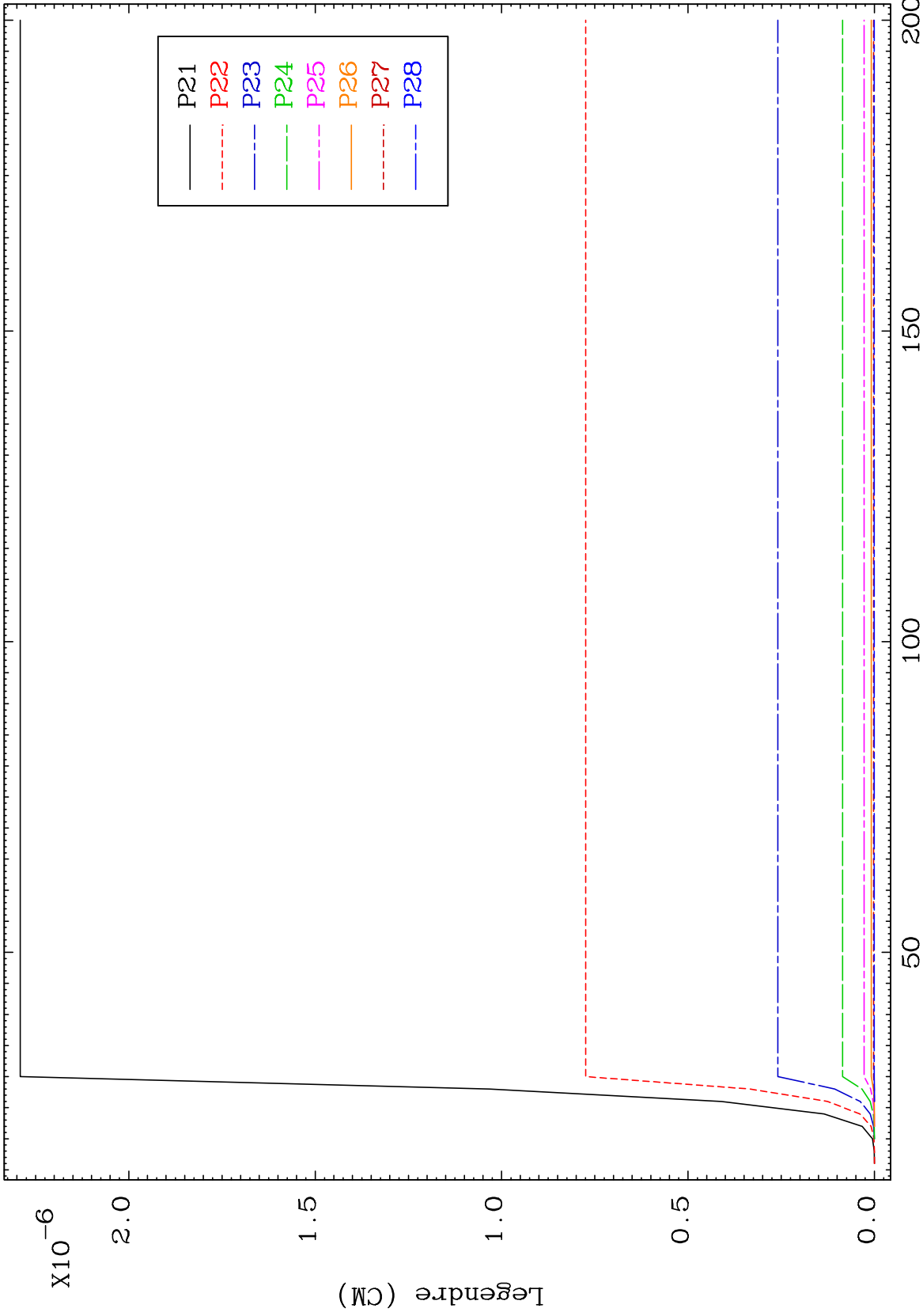




MAT 1325

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

13-Al-27

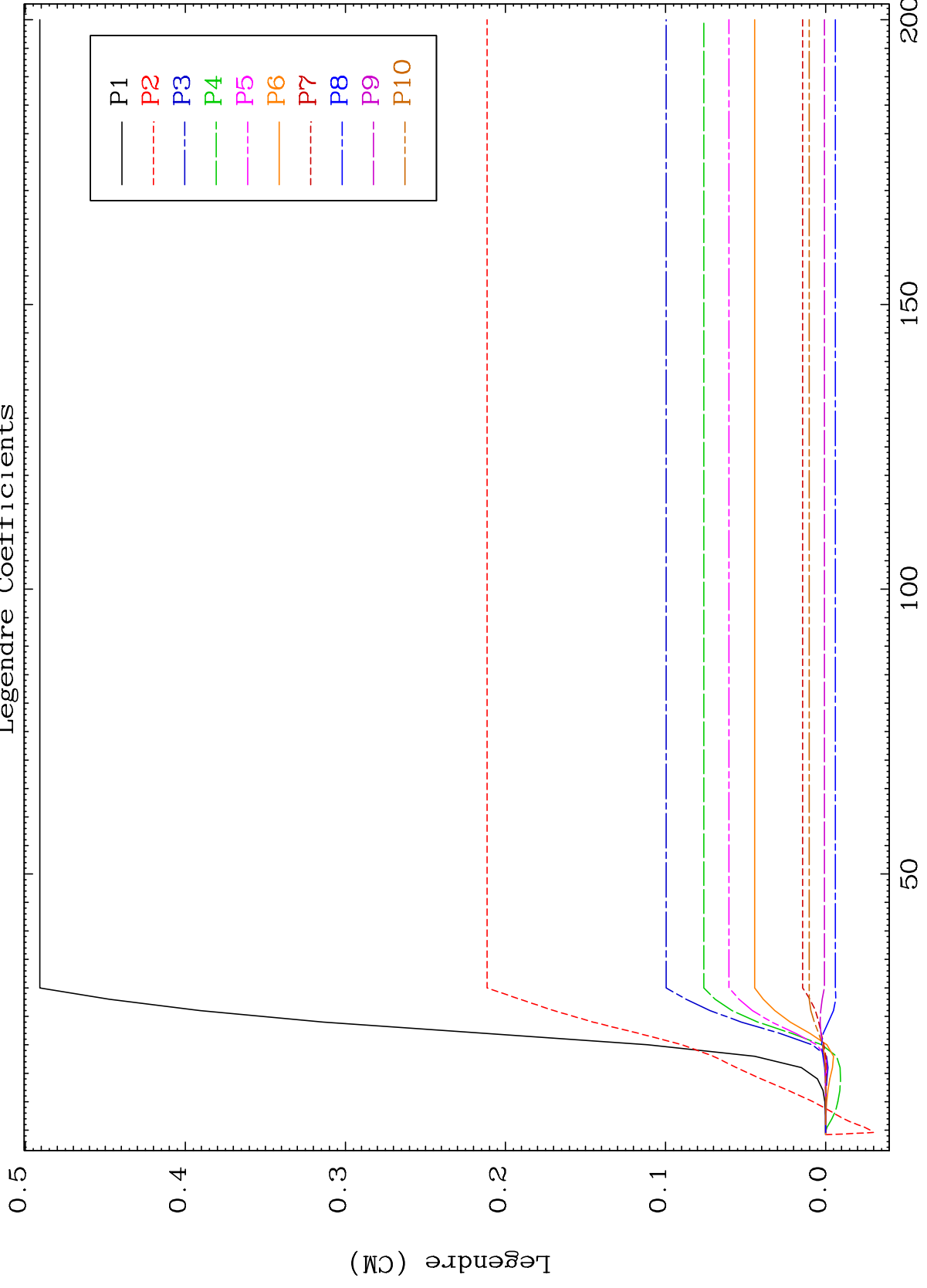


44

Incident Energy (MeV)

13-Al-27

MAT 1325 MT= 59 (n,n') Level Legendre Coefficients 13-A1-27

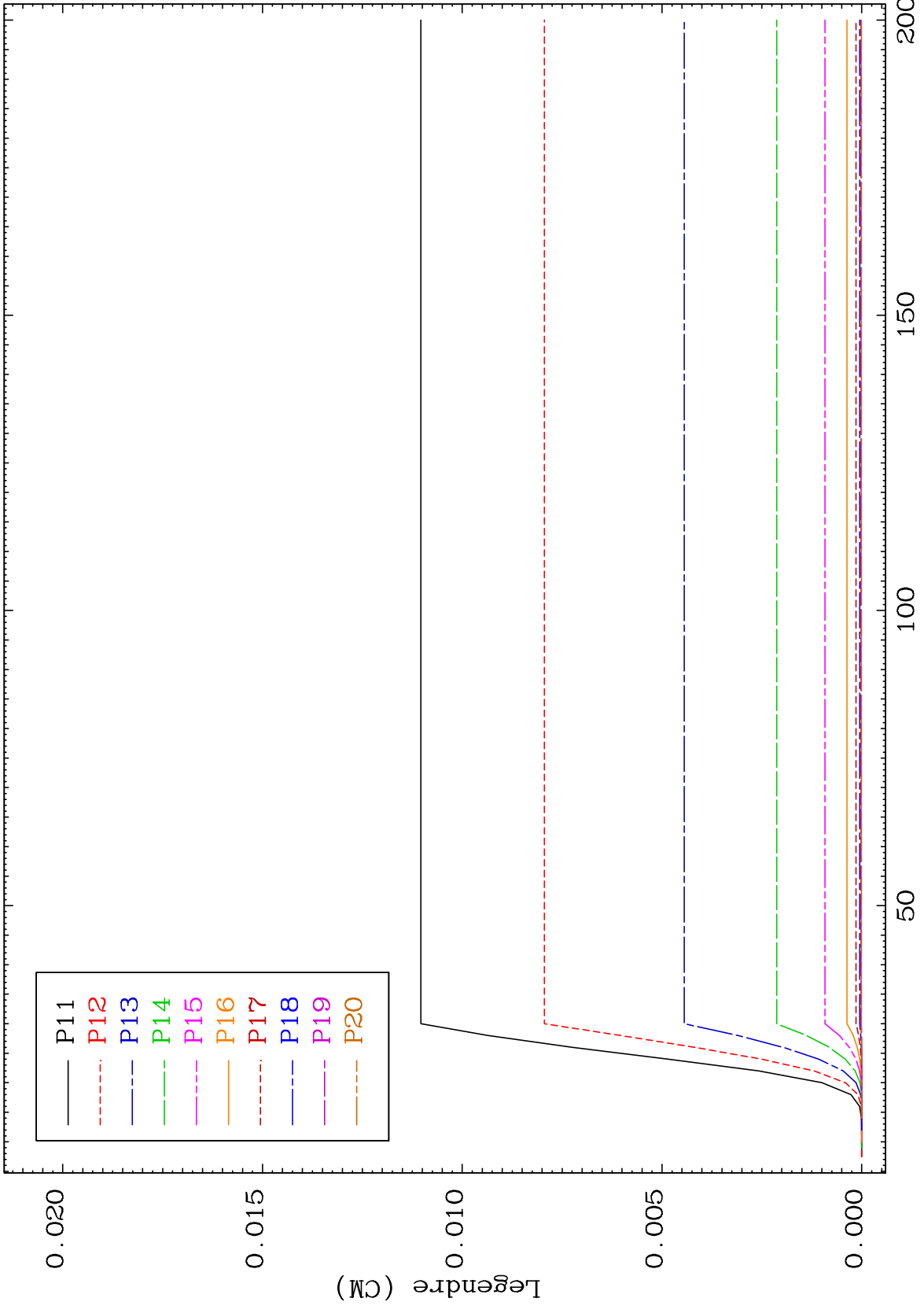


45 Incident Energy (MeV) 13-A1-27

MAT 1325

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

13-Al-27



46

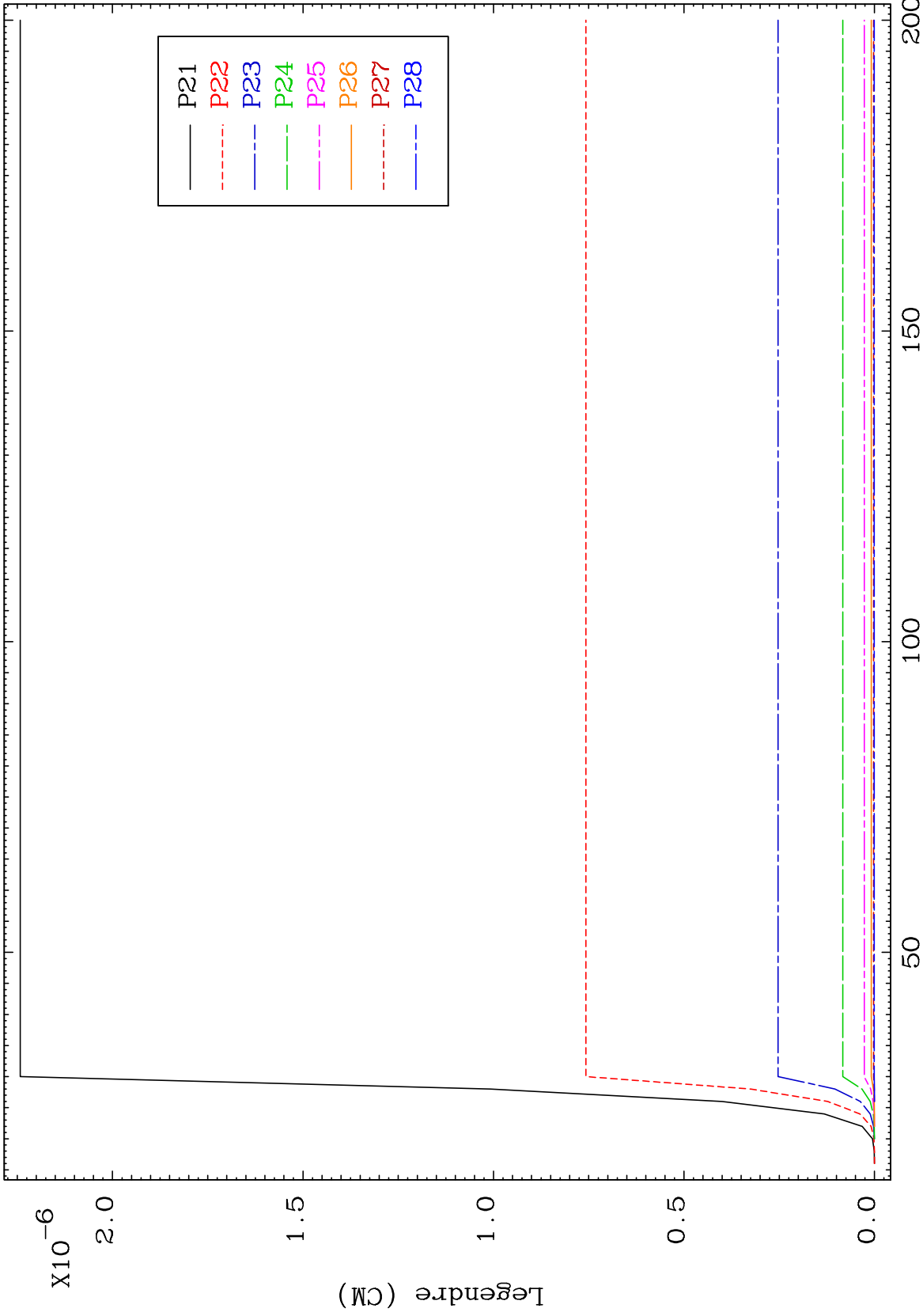
Incident Energy (MeV)

13-Al-27

MAT 1325

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

13-Al-27



47

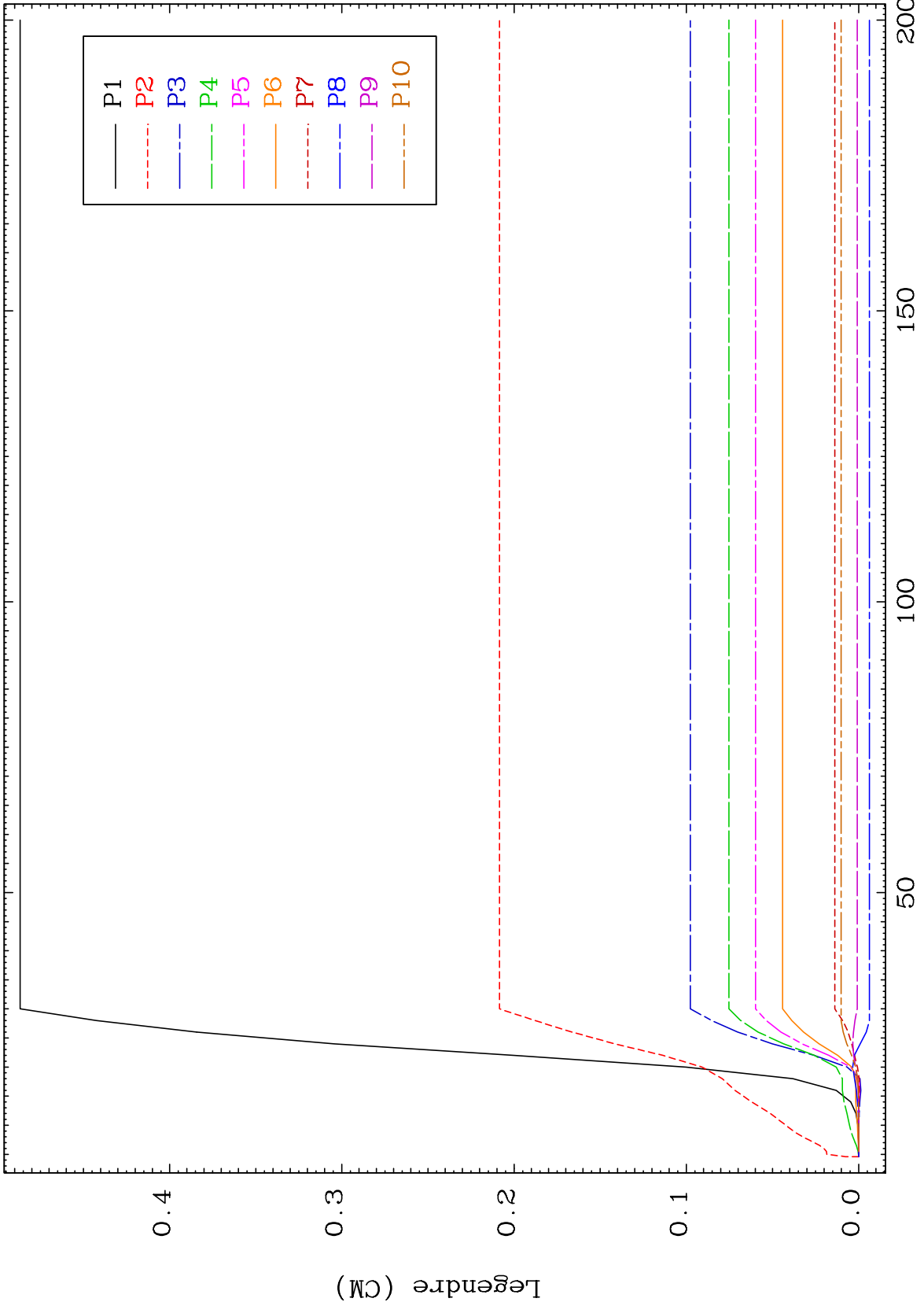
Incident Energy (MeV)

13-Al-27

MAT 1325

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

13-Al-27



48

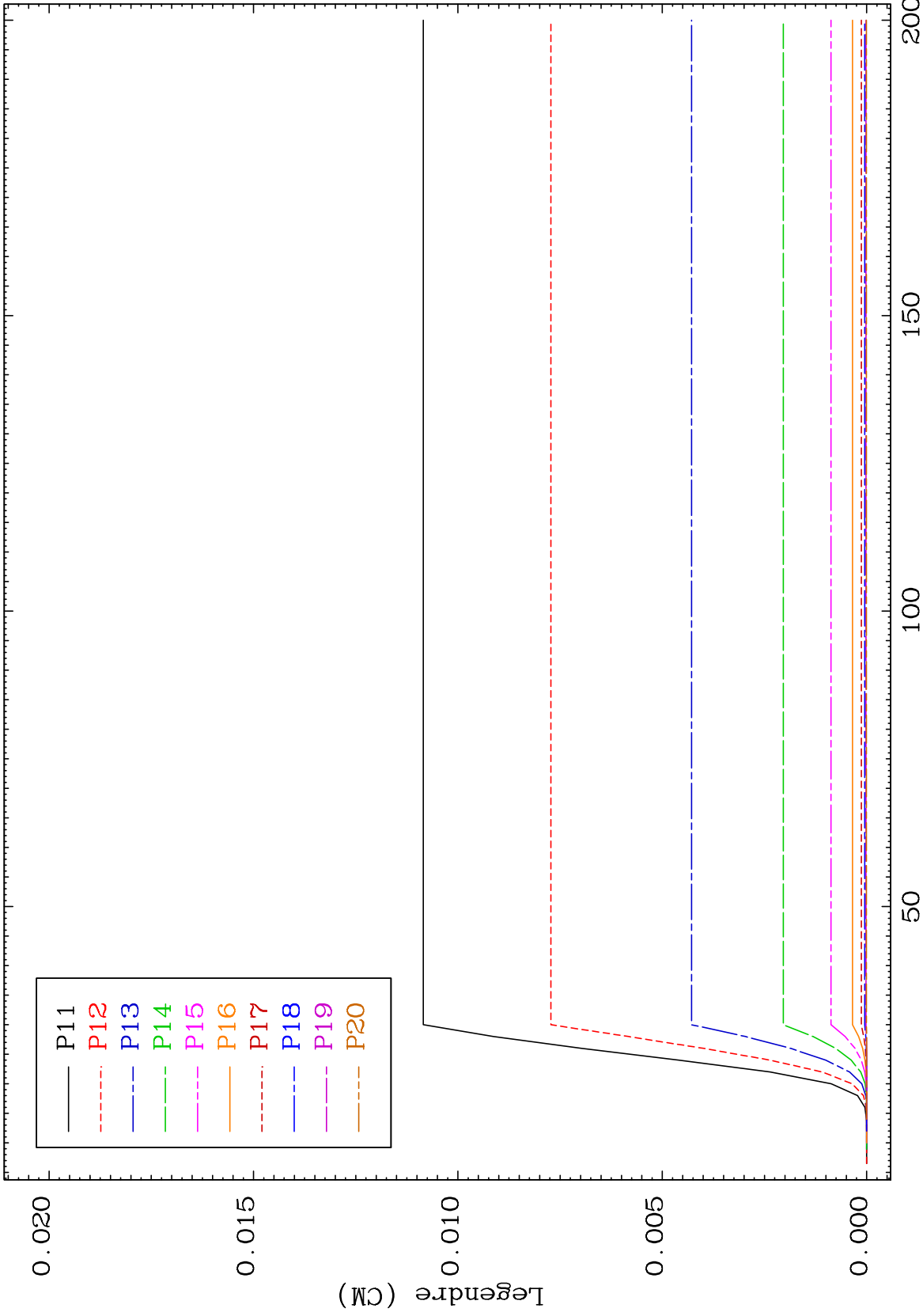
Incident Energy (MeV)

13-Al-27

MAT 1325

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

13-Al-27



49

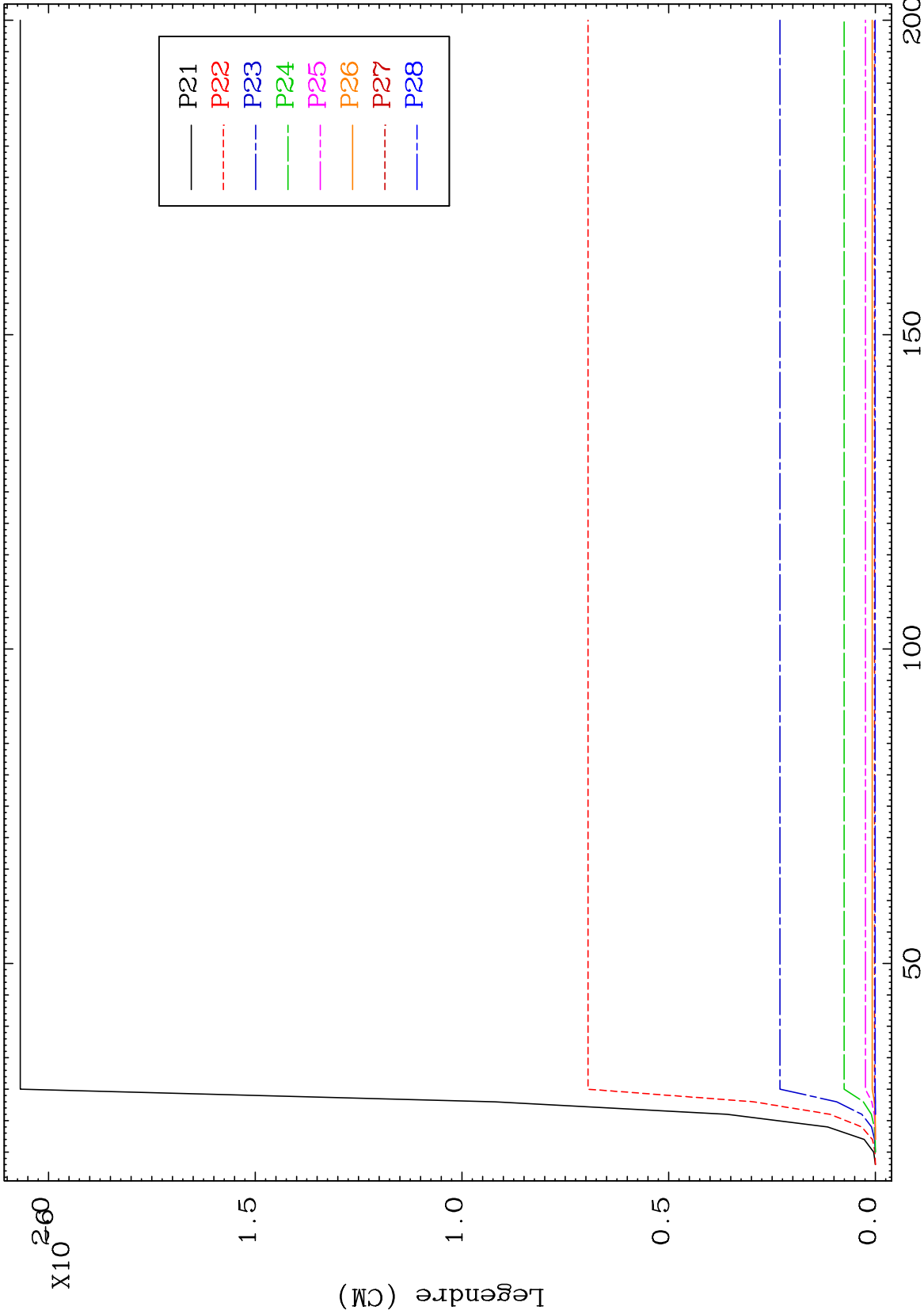
Incident Energy (MeV)

13-Al-27

MAT 1325

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

13-Al-27



50

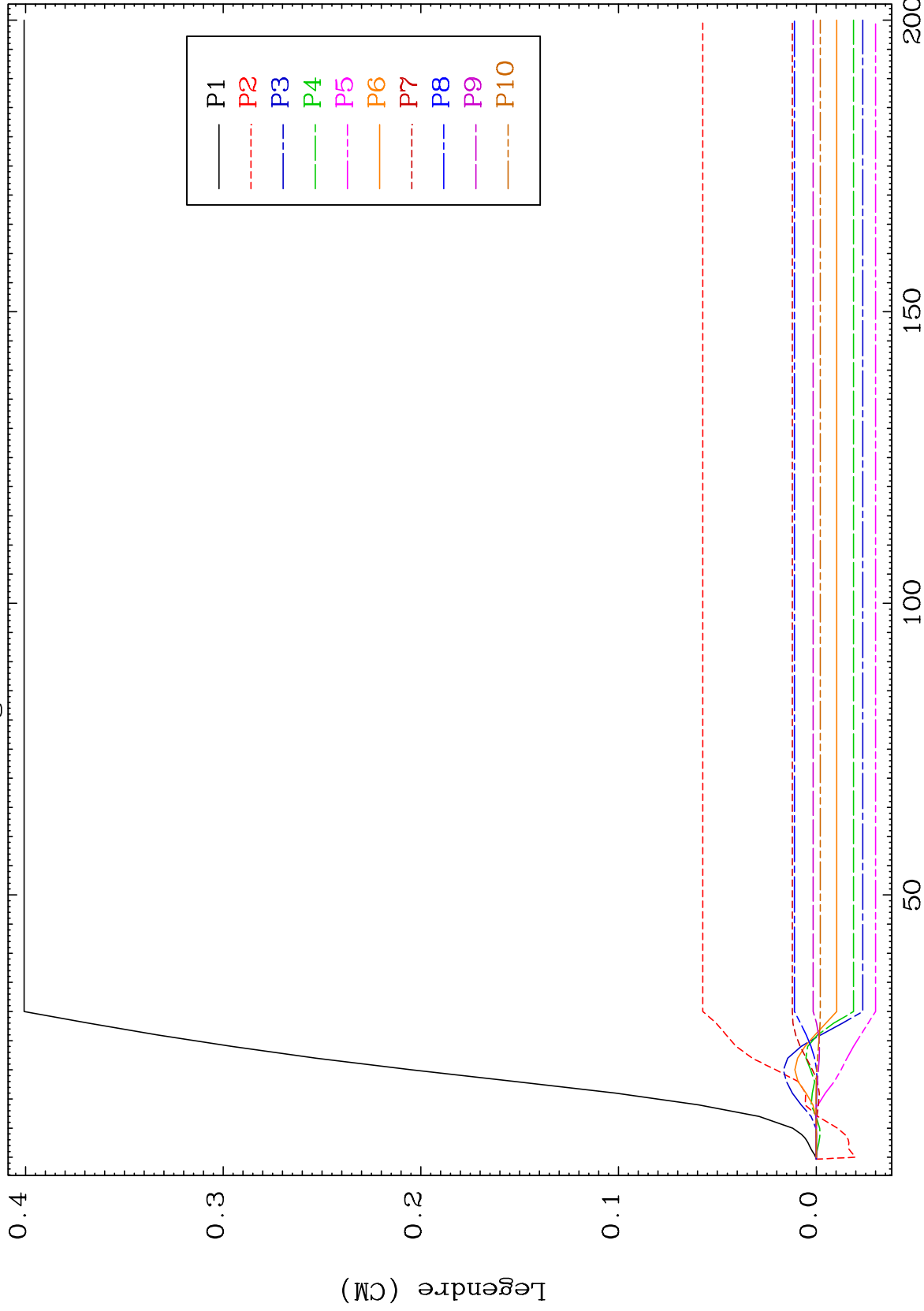
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100

150

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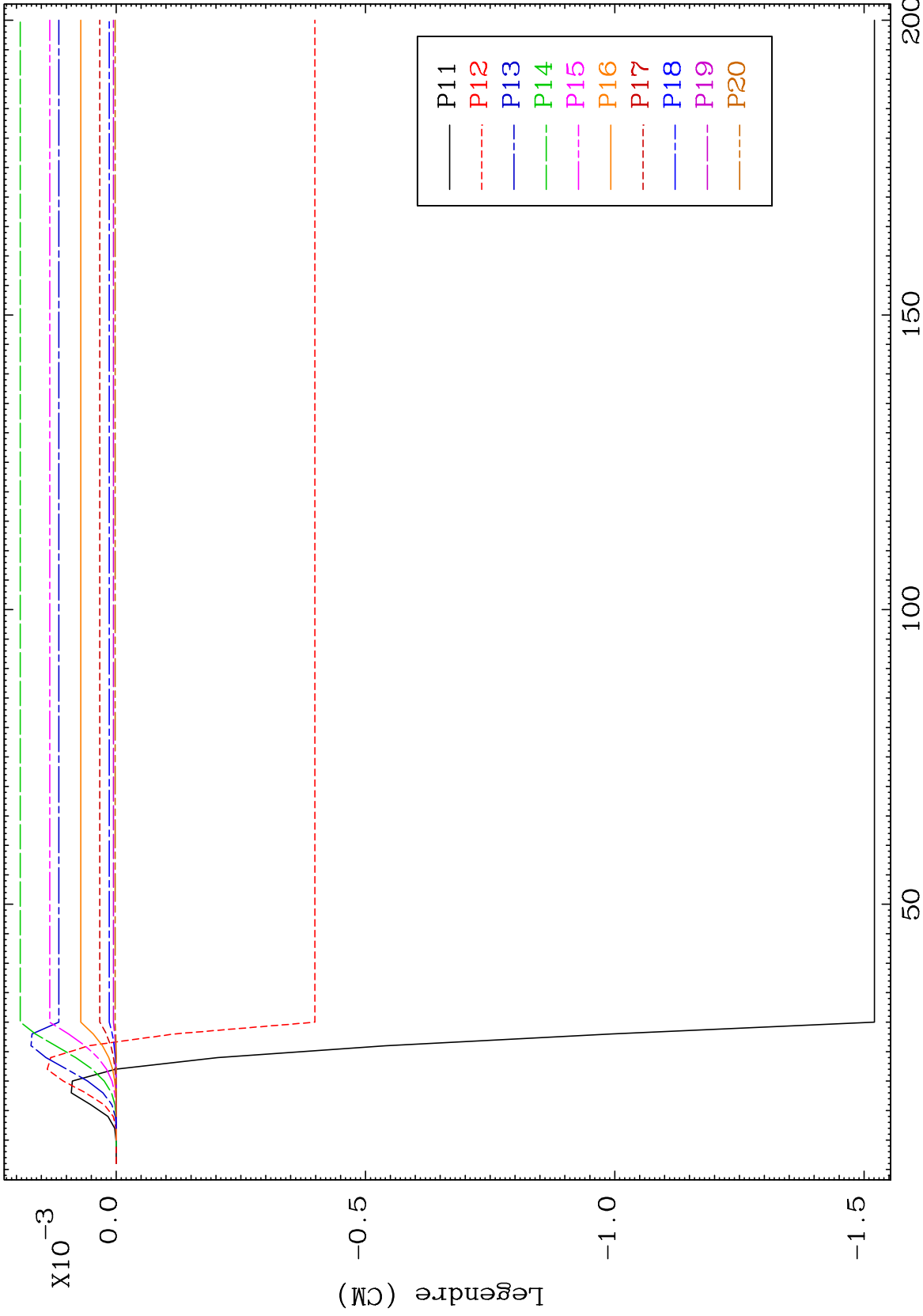
13-Al-27



MAT 1325

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

13-Al-27



52

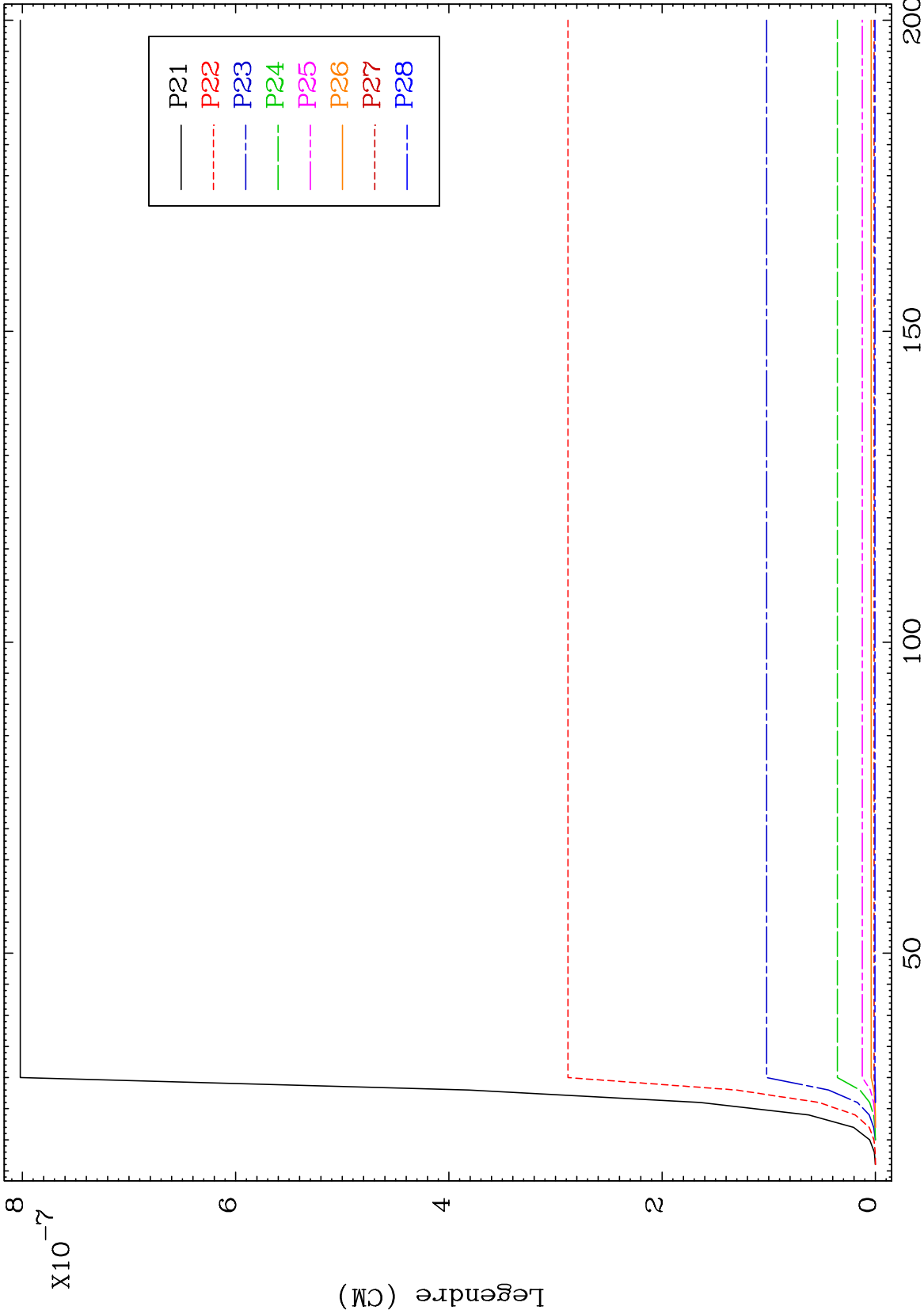
Incident Energy (MeV)

13-Al-27

MAT 1325

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

13-Al-27



53

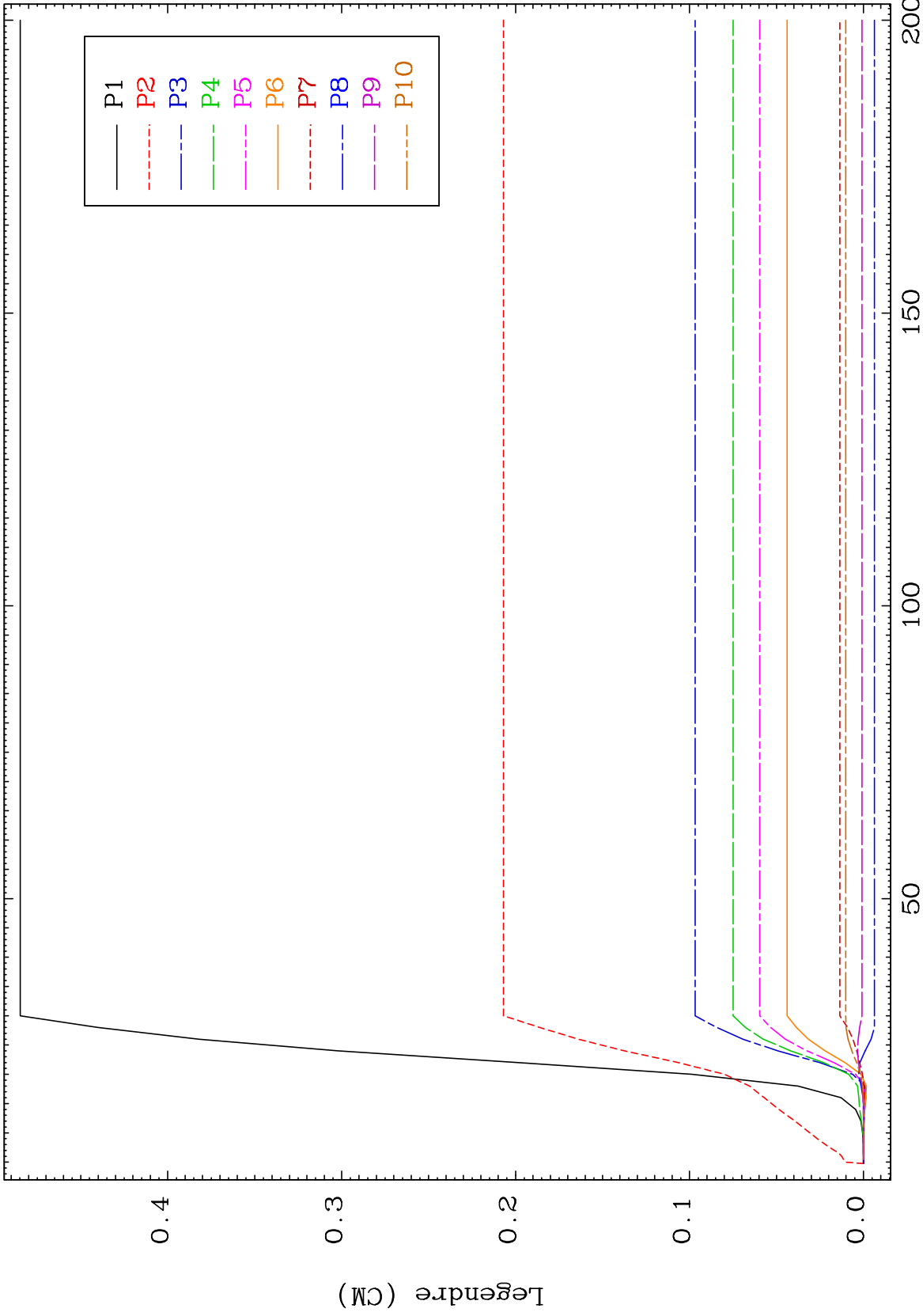
Incident Energy (MeV)

13-Al-27

MAT 1325

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

13-Al-27



54

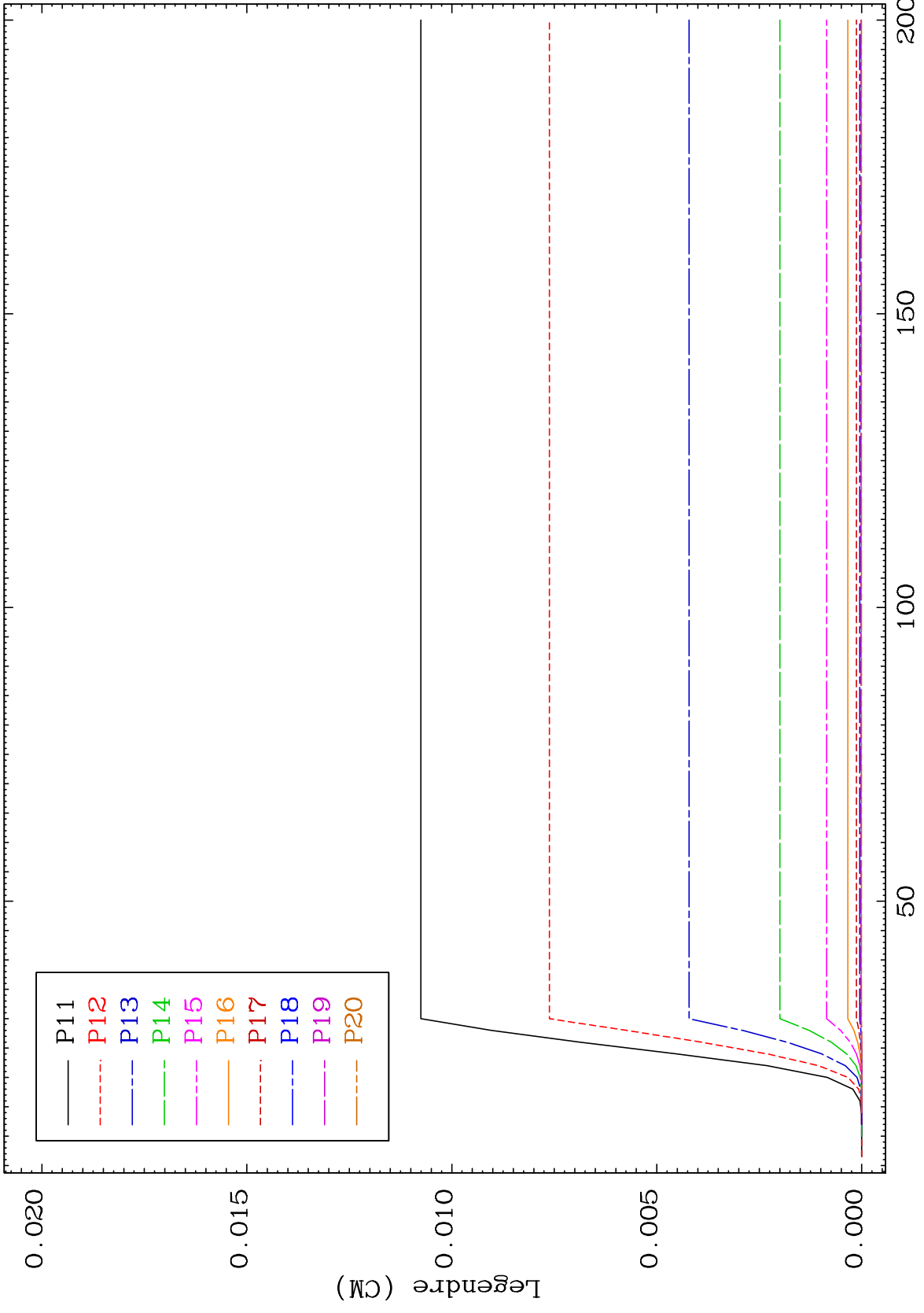
Incident Energy (MeV)

13-Al-27

MAT 1325

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

13-Al-27



55

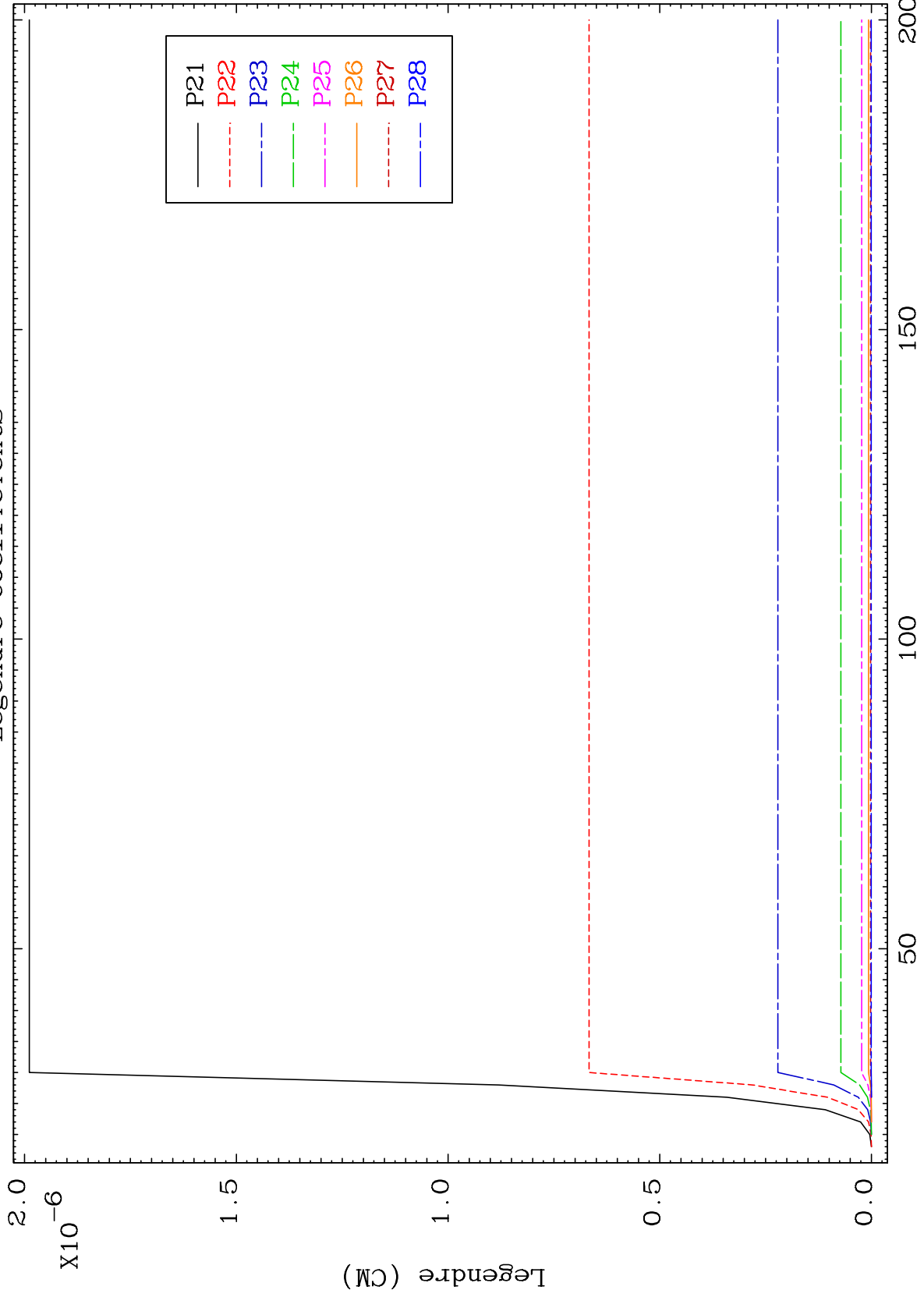
Incident Energy (MeV)

13-Al-27

MAT 1325

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

13-Al-27



56

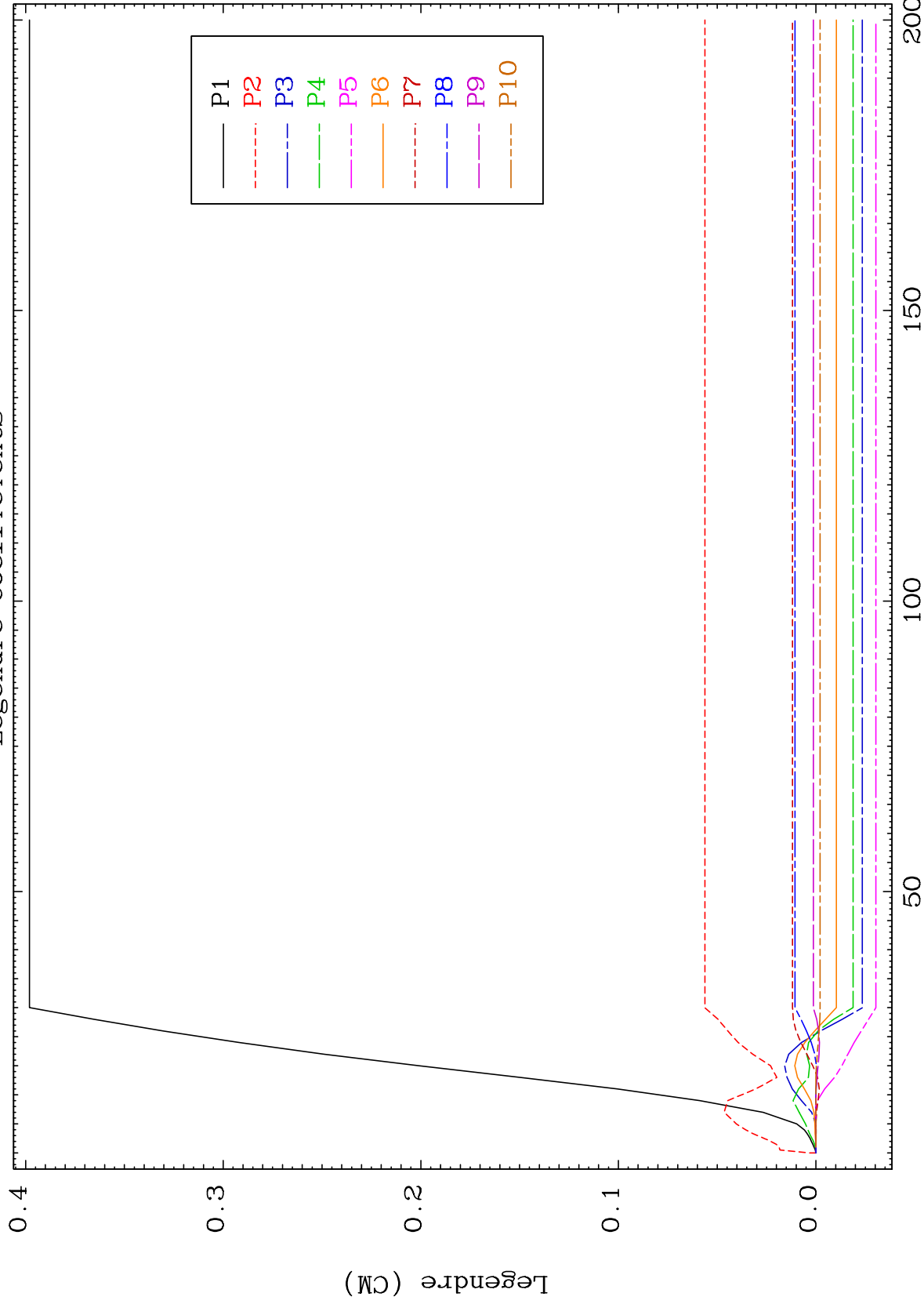
Incident Energy (MeV)

13-Al-27

MAT 1325

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

13-Al-27



57

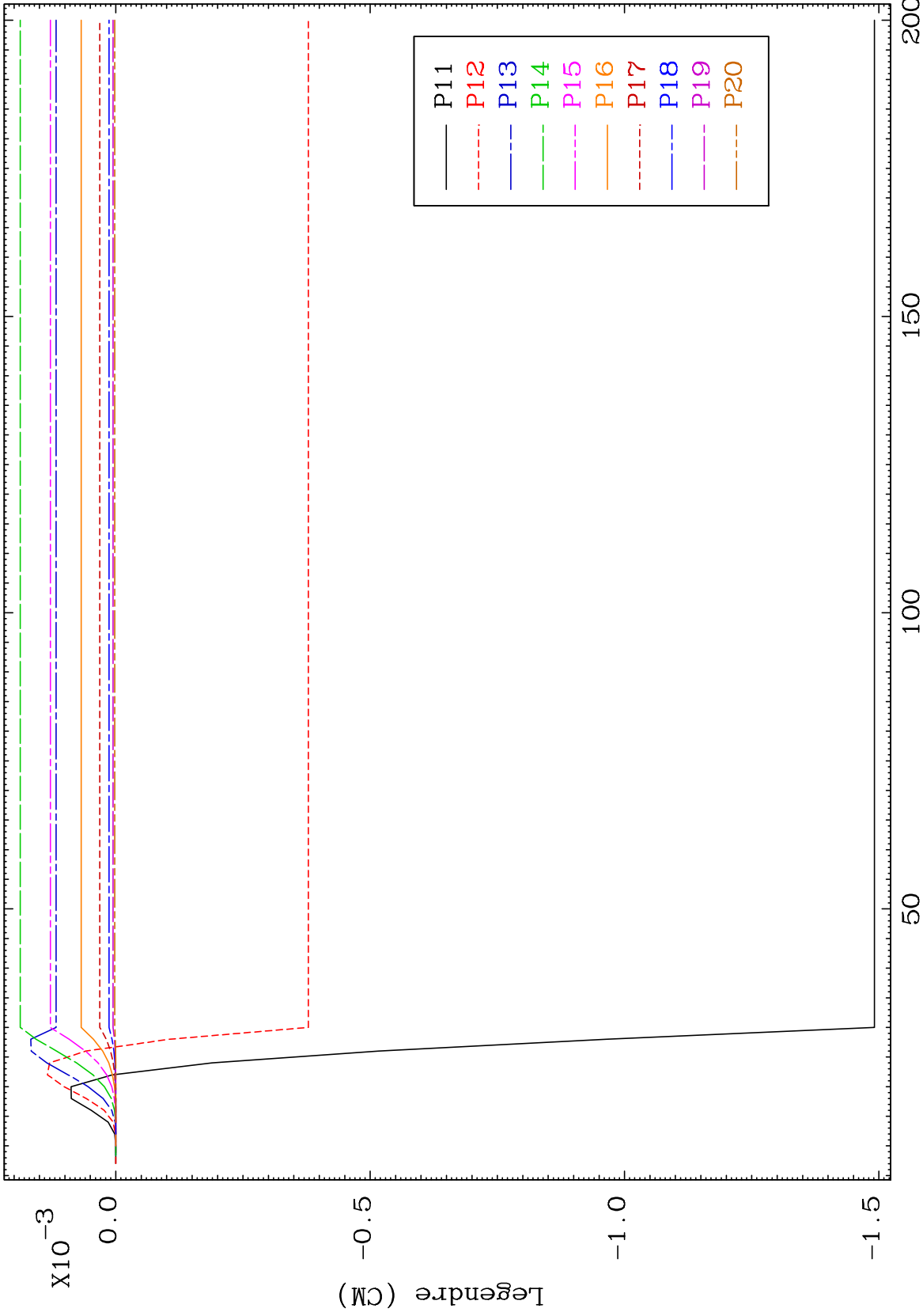
Incident Energy (MeV)

13-Al-27

MAT 1325

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

13-Al-27



58

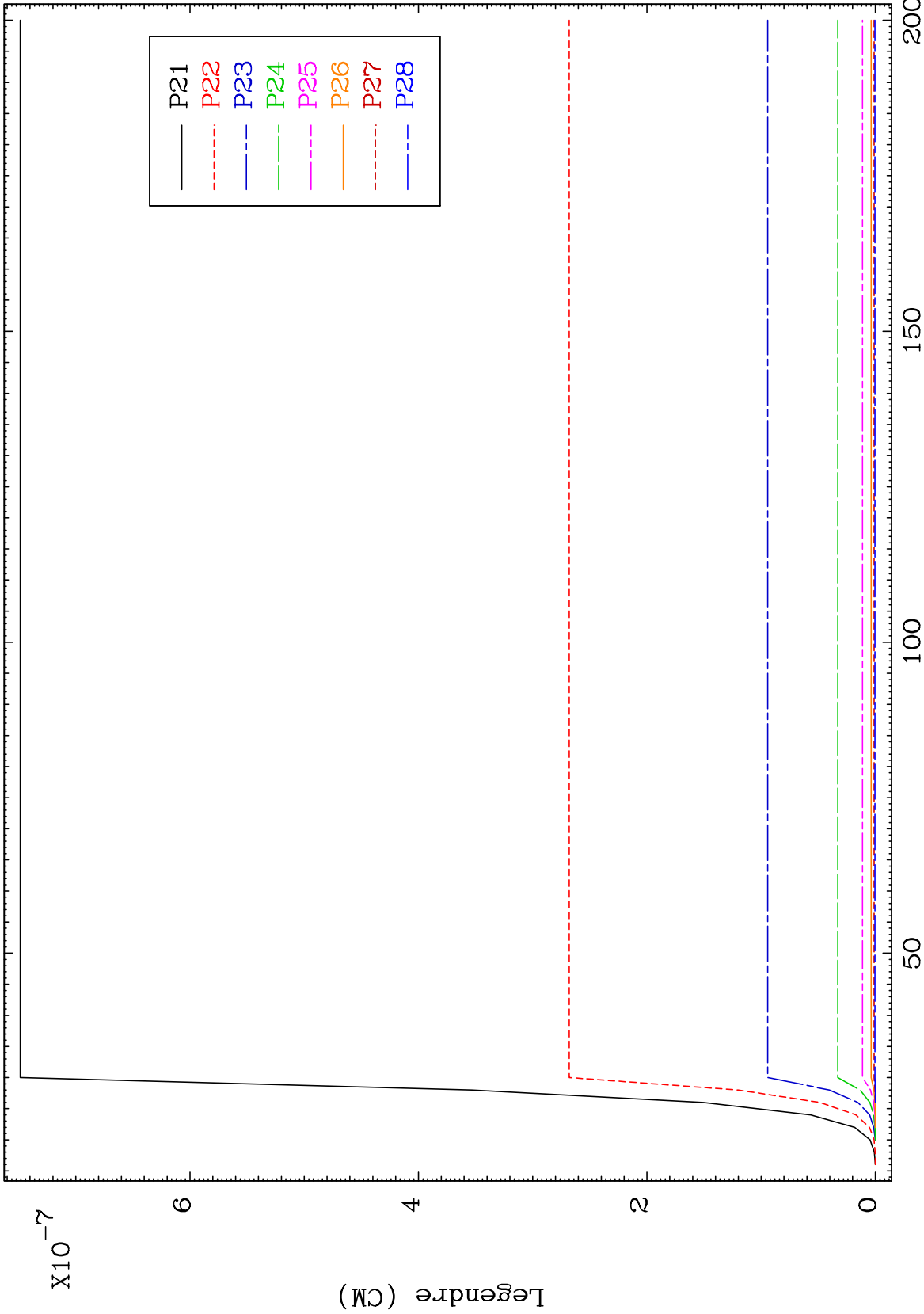
Incident Energy (MeV)

13-Al-27

MAT 1325

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

13-Al-27



59

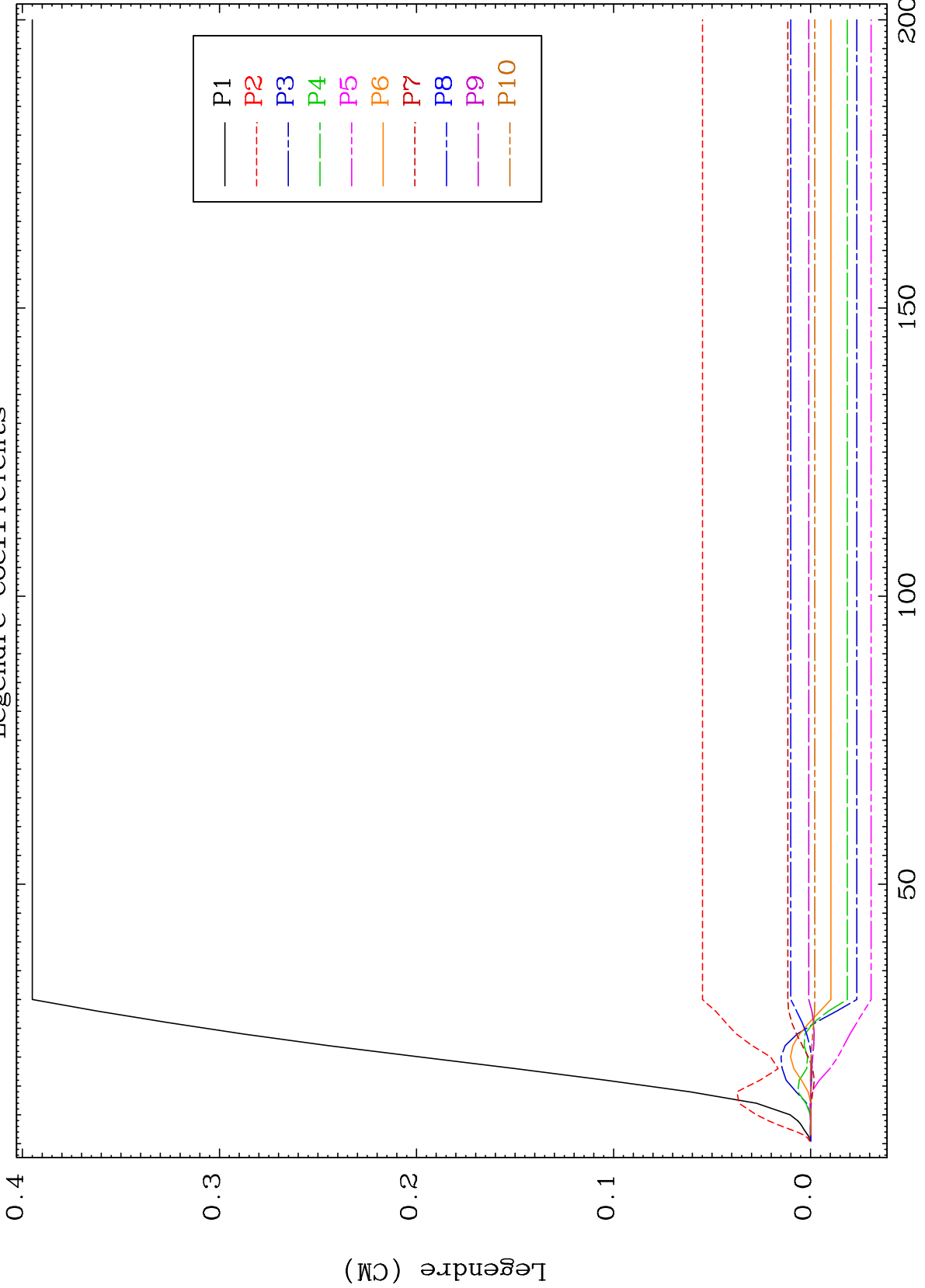
Incident Energy (MeV)

13-Al-27

MAT 1325 MT= 64 (n,n') Level Legendre Coefficients

13-Al-27

13-Al-27



60

50

100

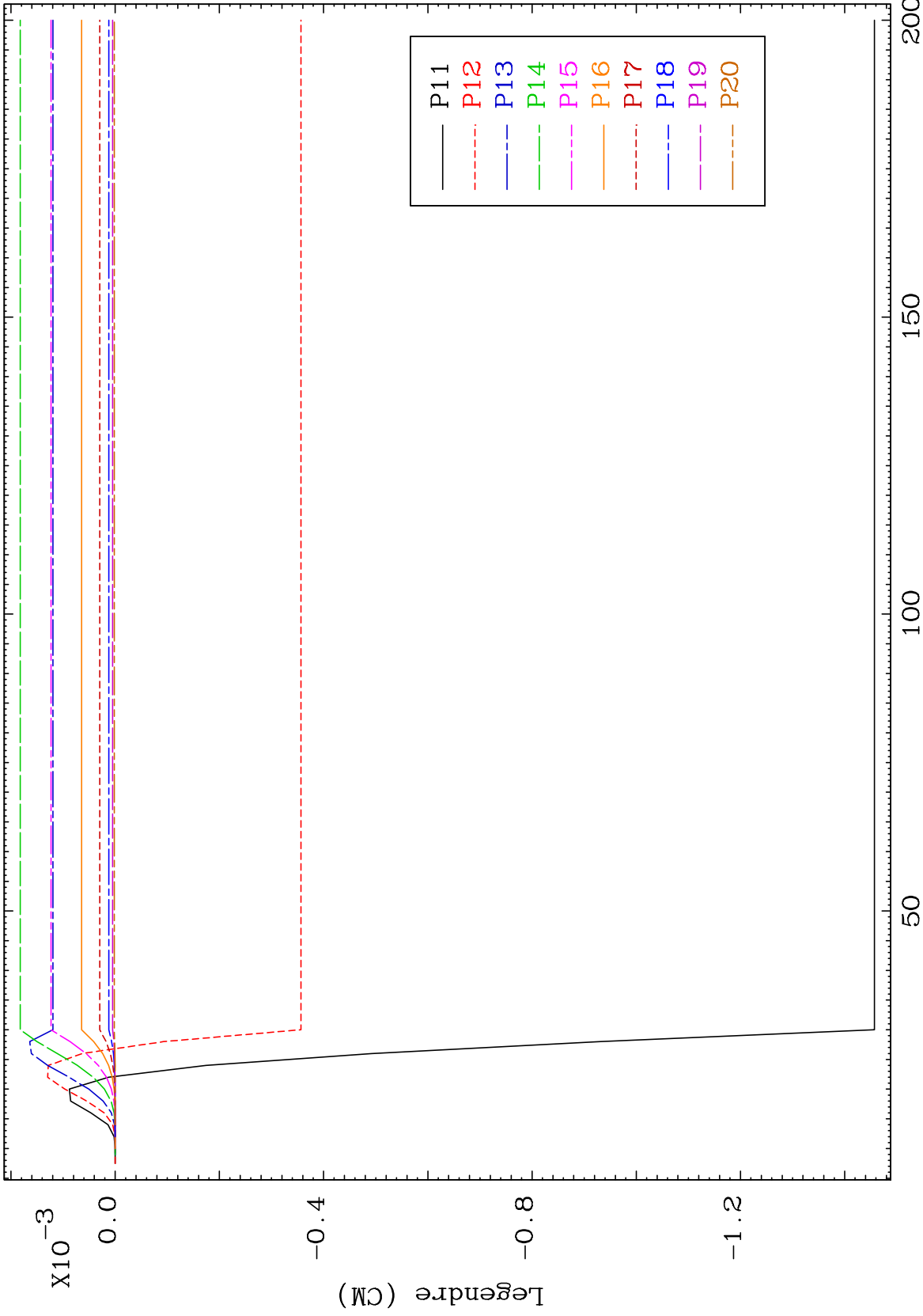
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200

MAT 1325

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

13-Al-27



61

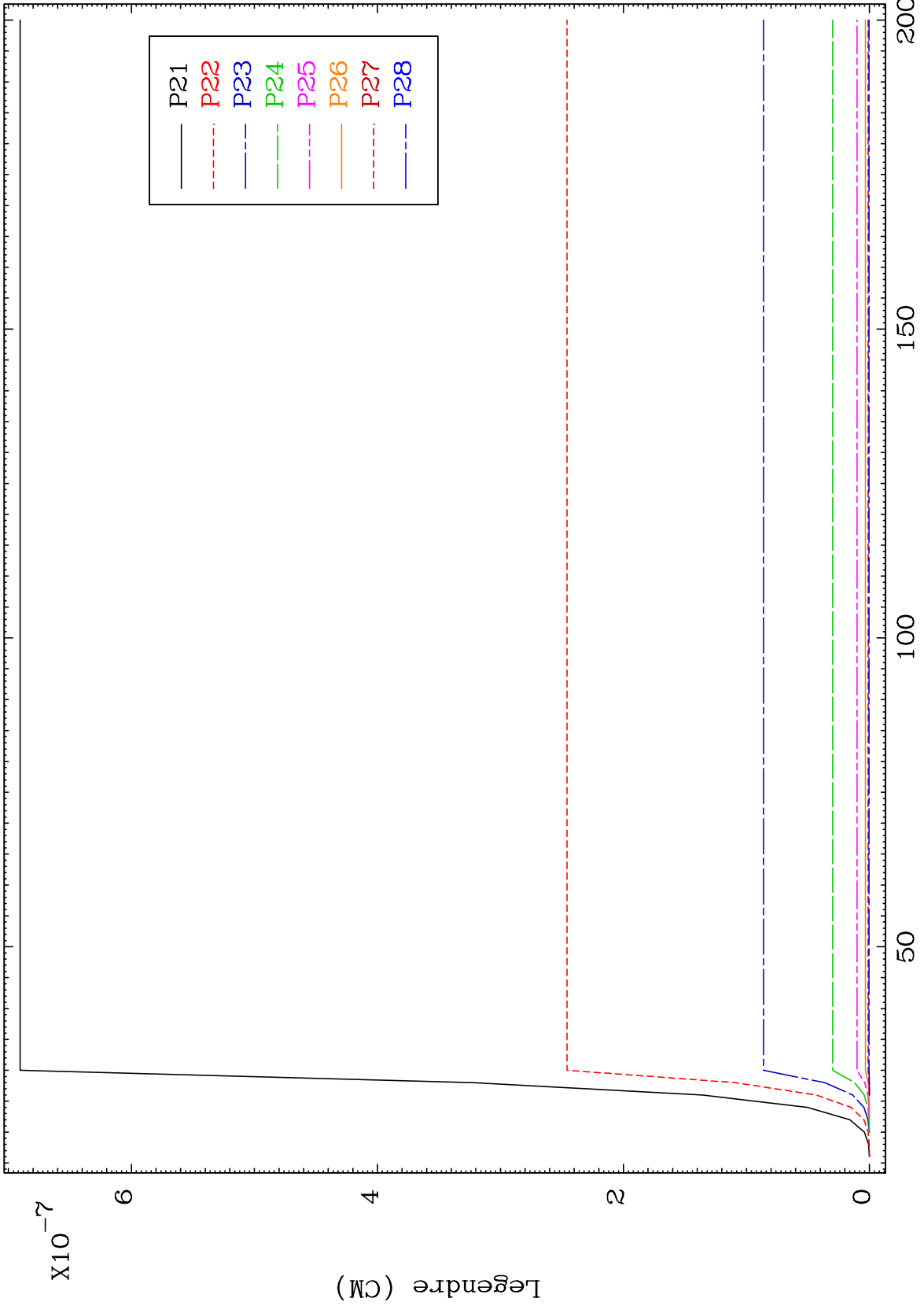
Incident Energy (MeV)

13-Al-27

MAT 1325

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

13-Al-27



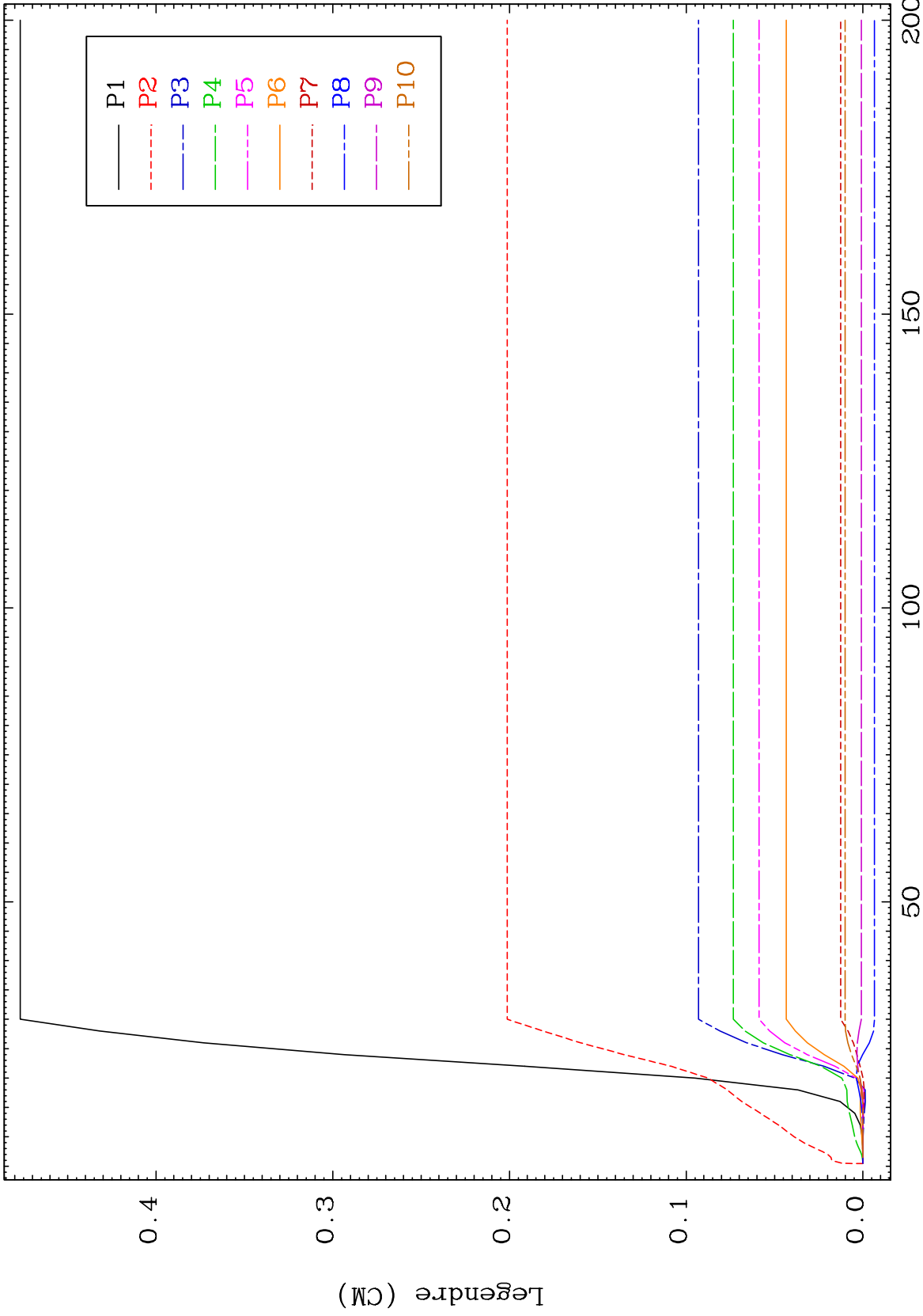
62

13-Al-27

MAT 1325

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

13-Al-27



63

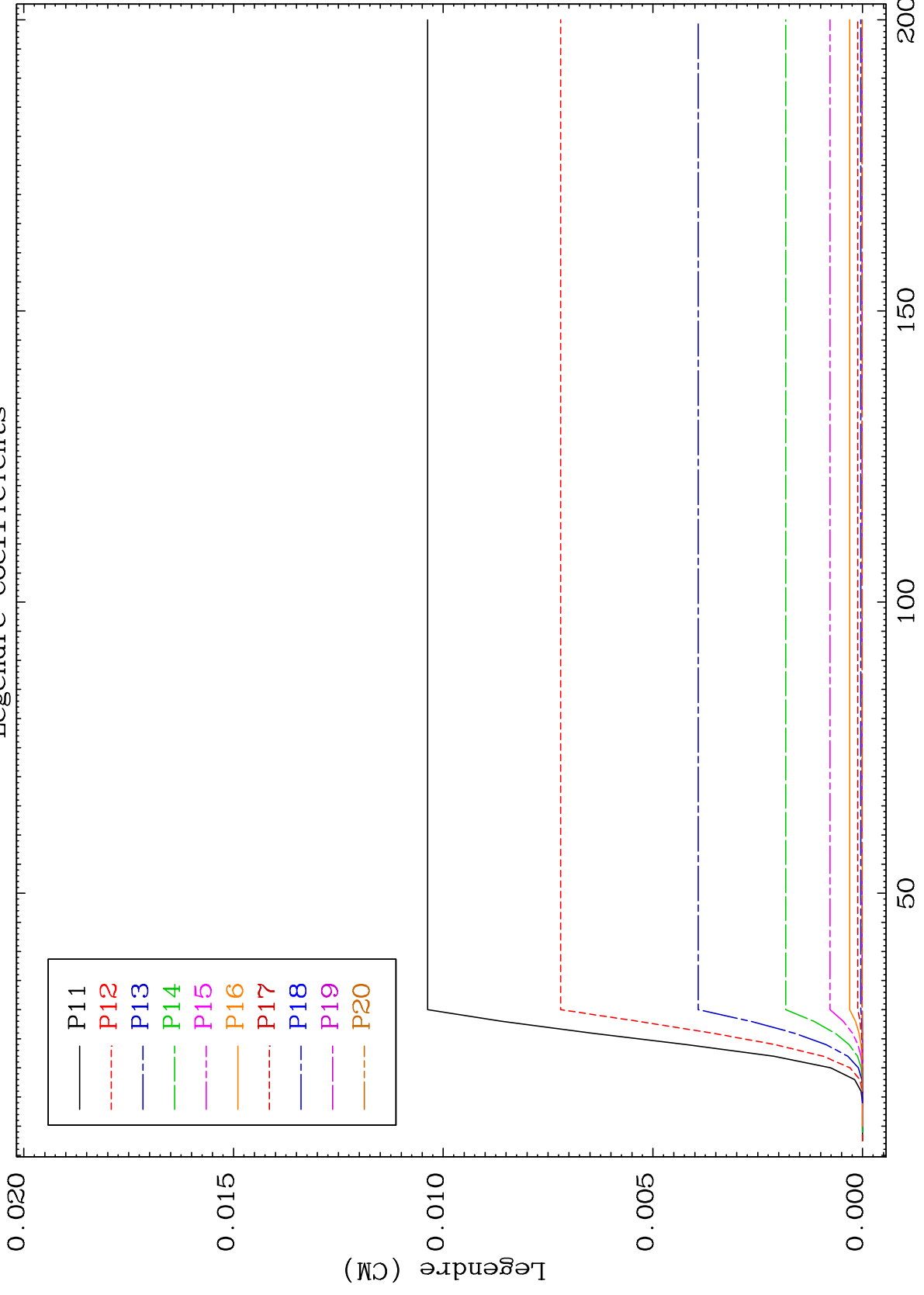
Incident Energy (MeV)

13-Al-27

MAT 1325

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

13-Al-27



64

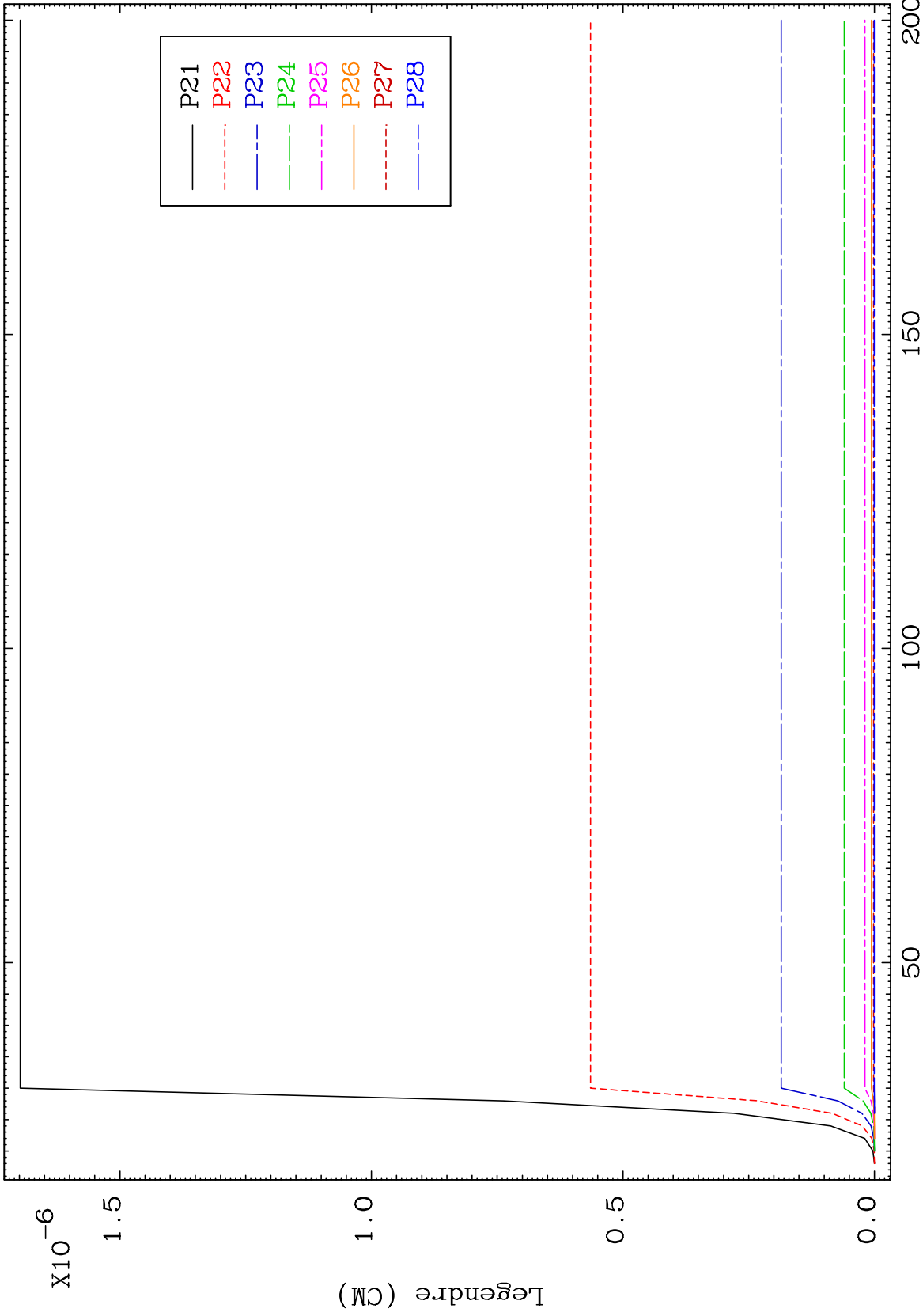
Incident Energy (MeV)

13-Al-27

MAT 1325

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

13-Al-27



65

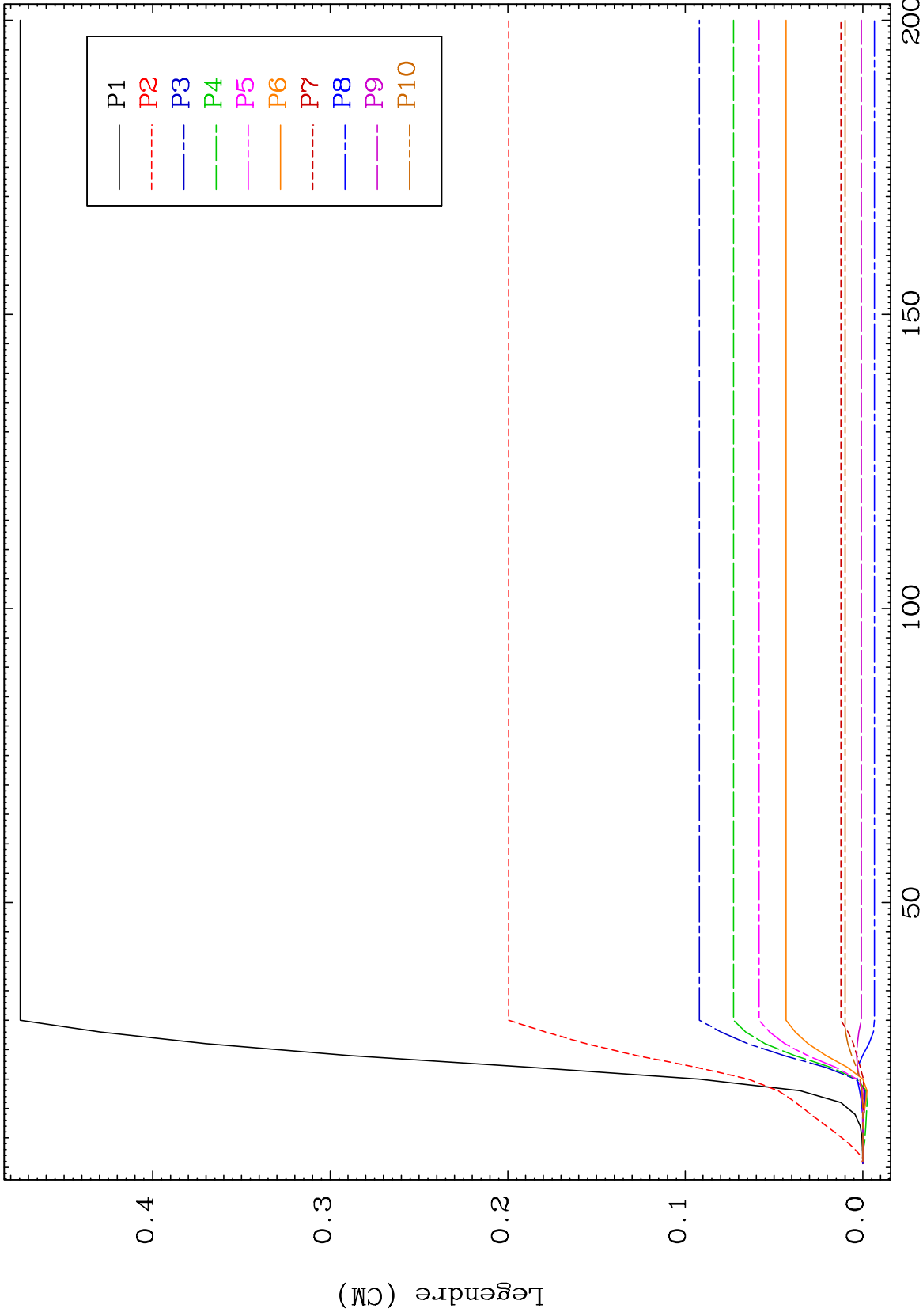
Incident Energy (MeV)

13-Al-27

MAT 1325

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

13-Al-27



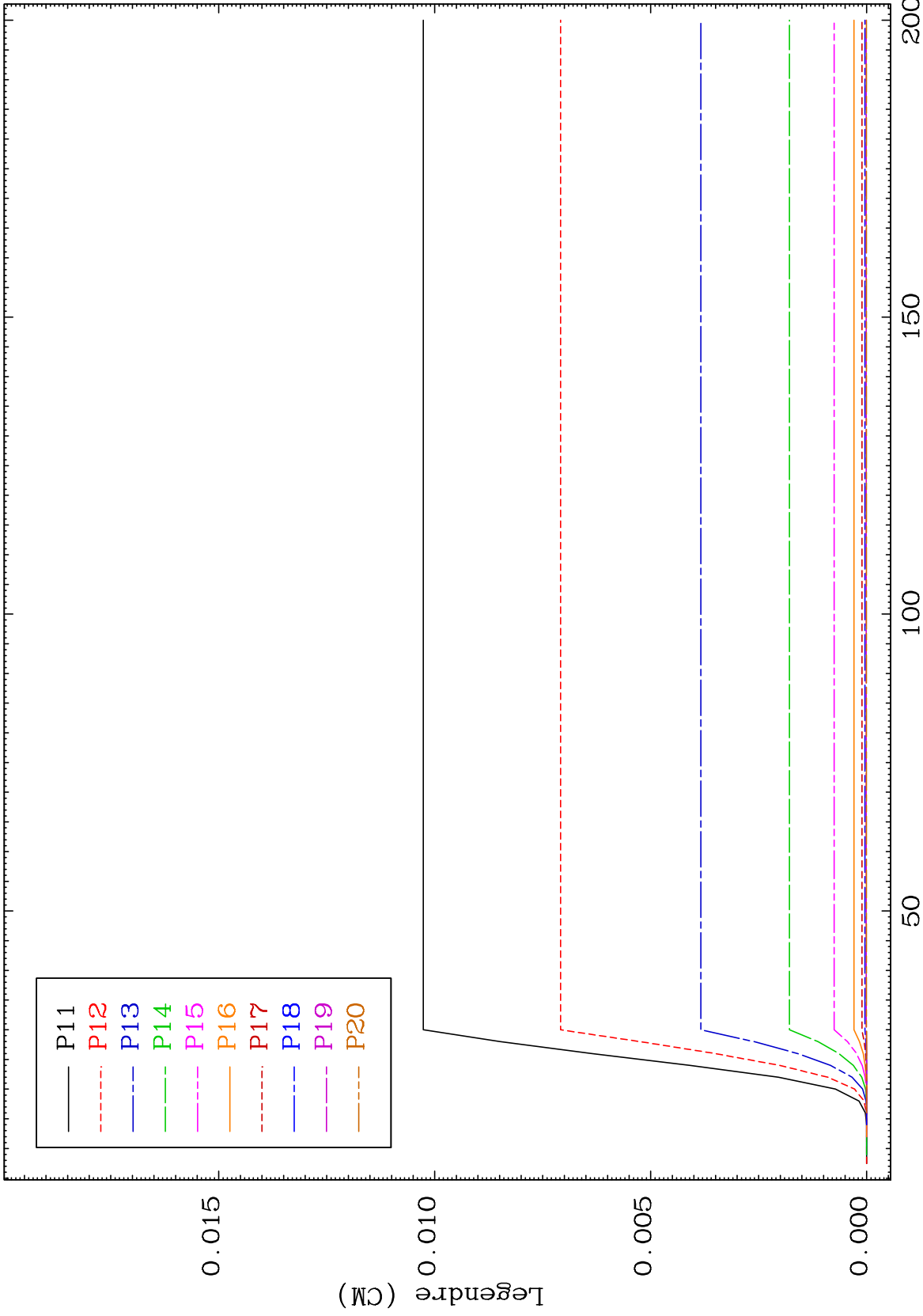
66

13-Al-27

MAT 1325

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

13-Al-27



67

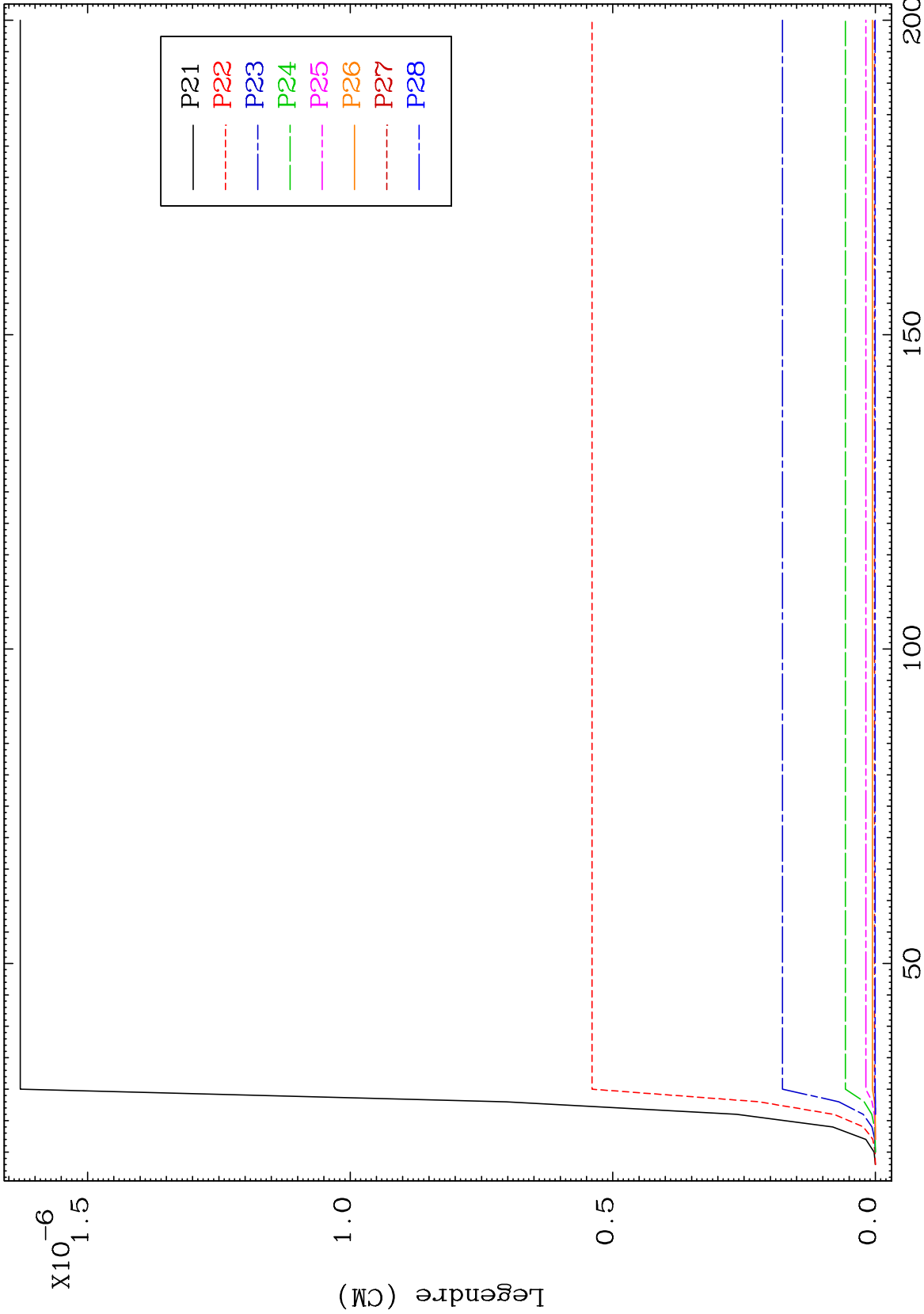
Incident Energy (MeV)

13-Al-27

MAT 1325

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

13-Al-27



68

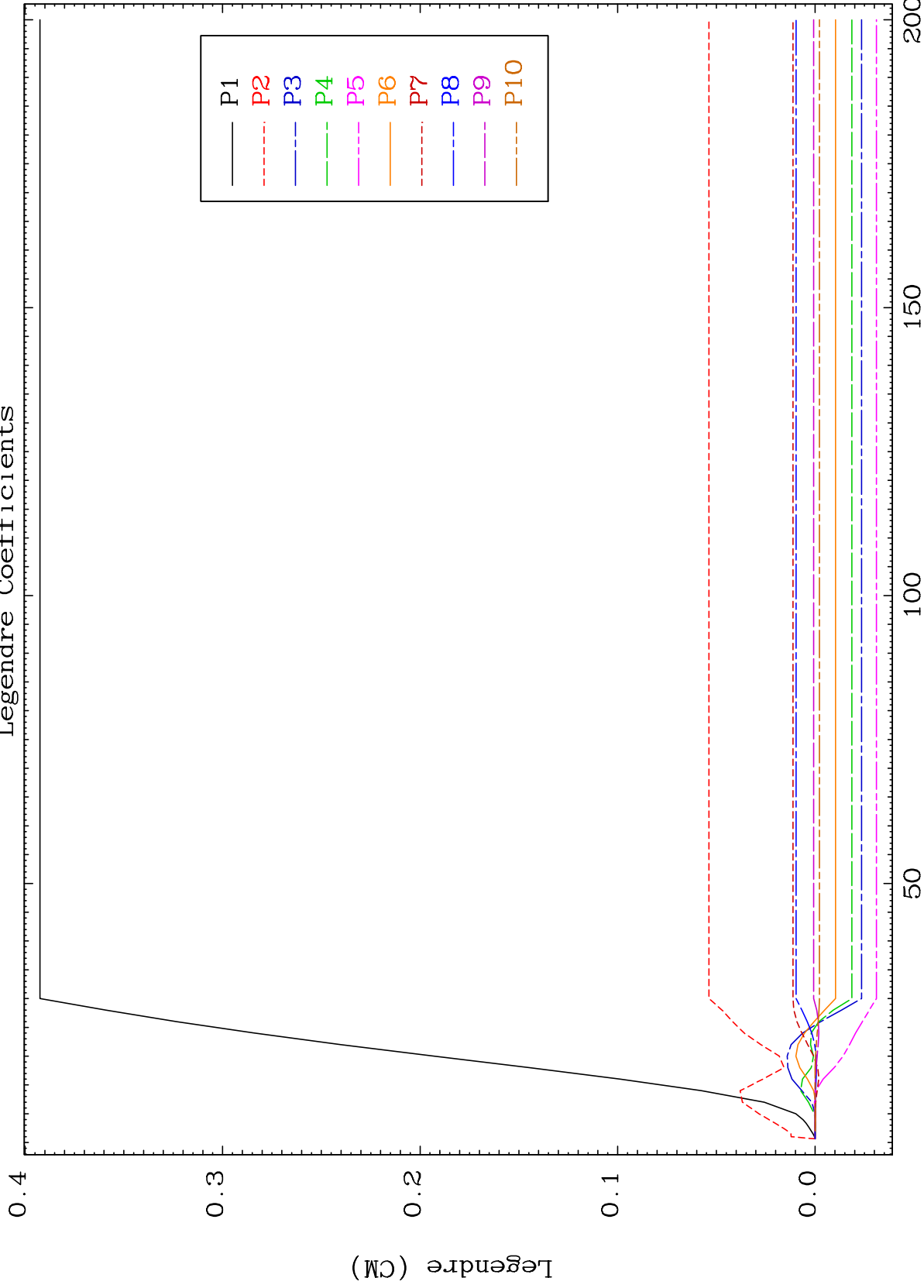
Incident Energy (MeV)

13-Al-27

MAT 1325

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

13-Al-27



69

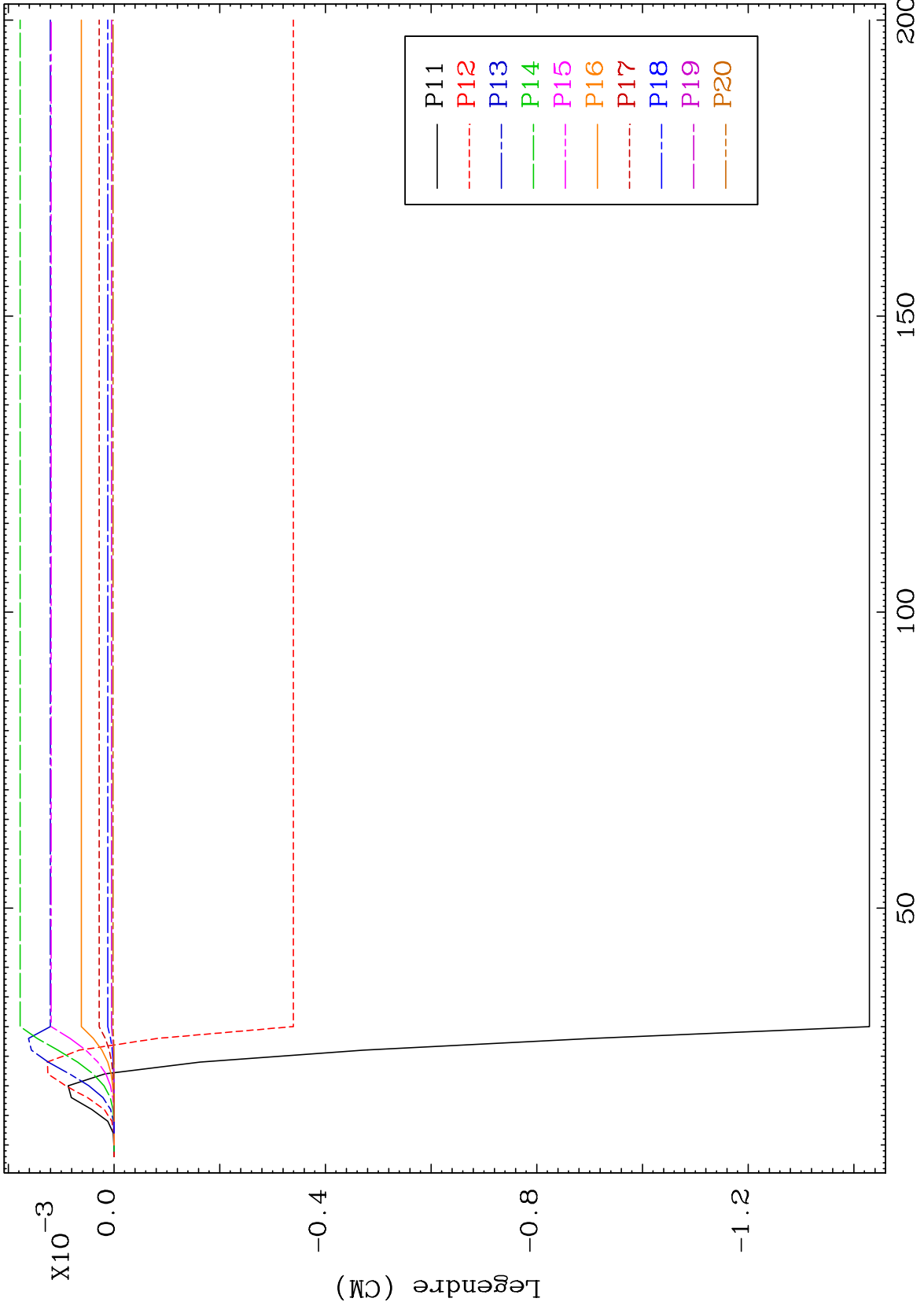
Incident Energy (MeV)

13-Al-27

MAT 1325

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

13-Al-27



70

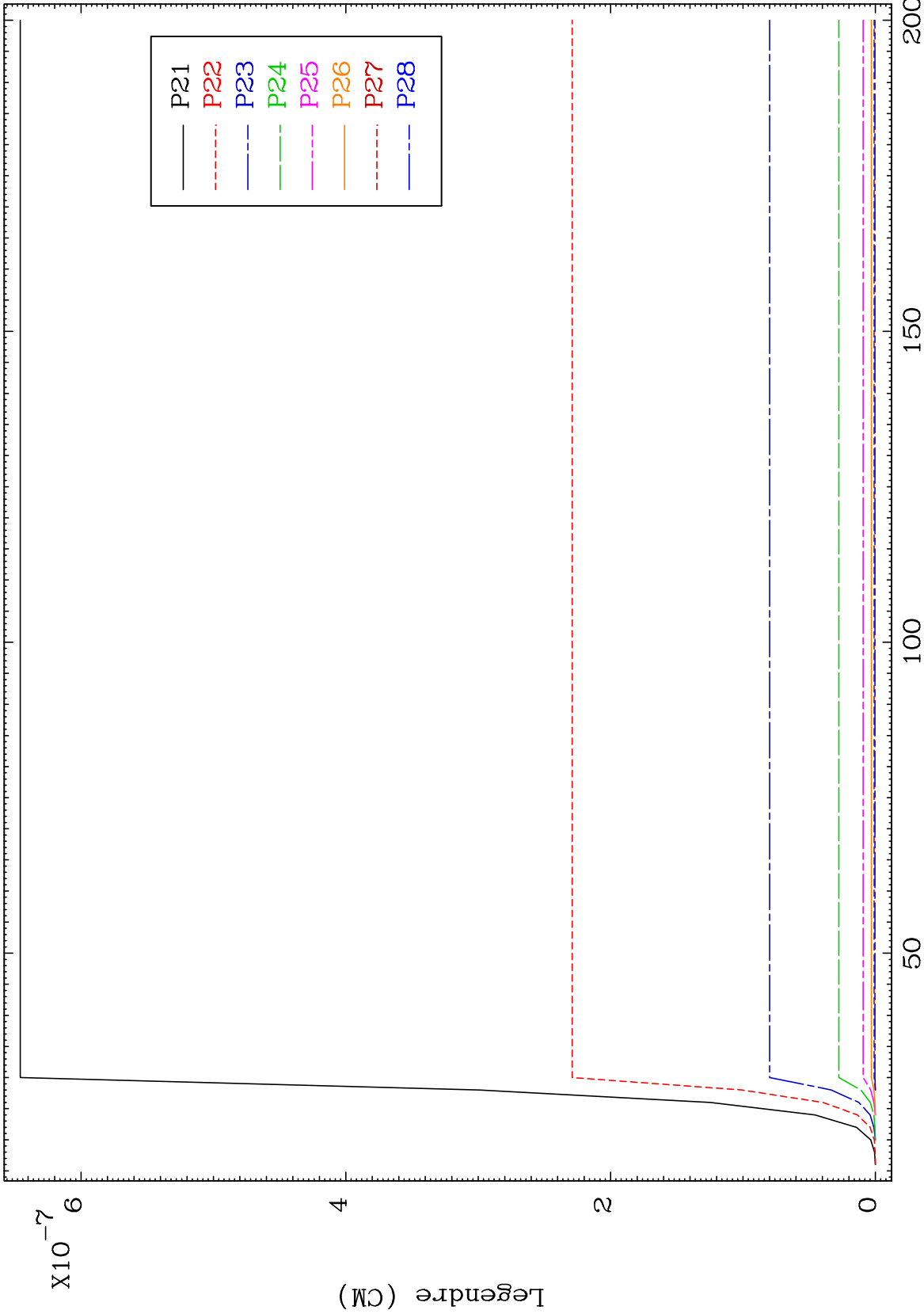
Incident Energy (MeV)

13-Al-27

MAT 1325

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

13-Al-27



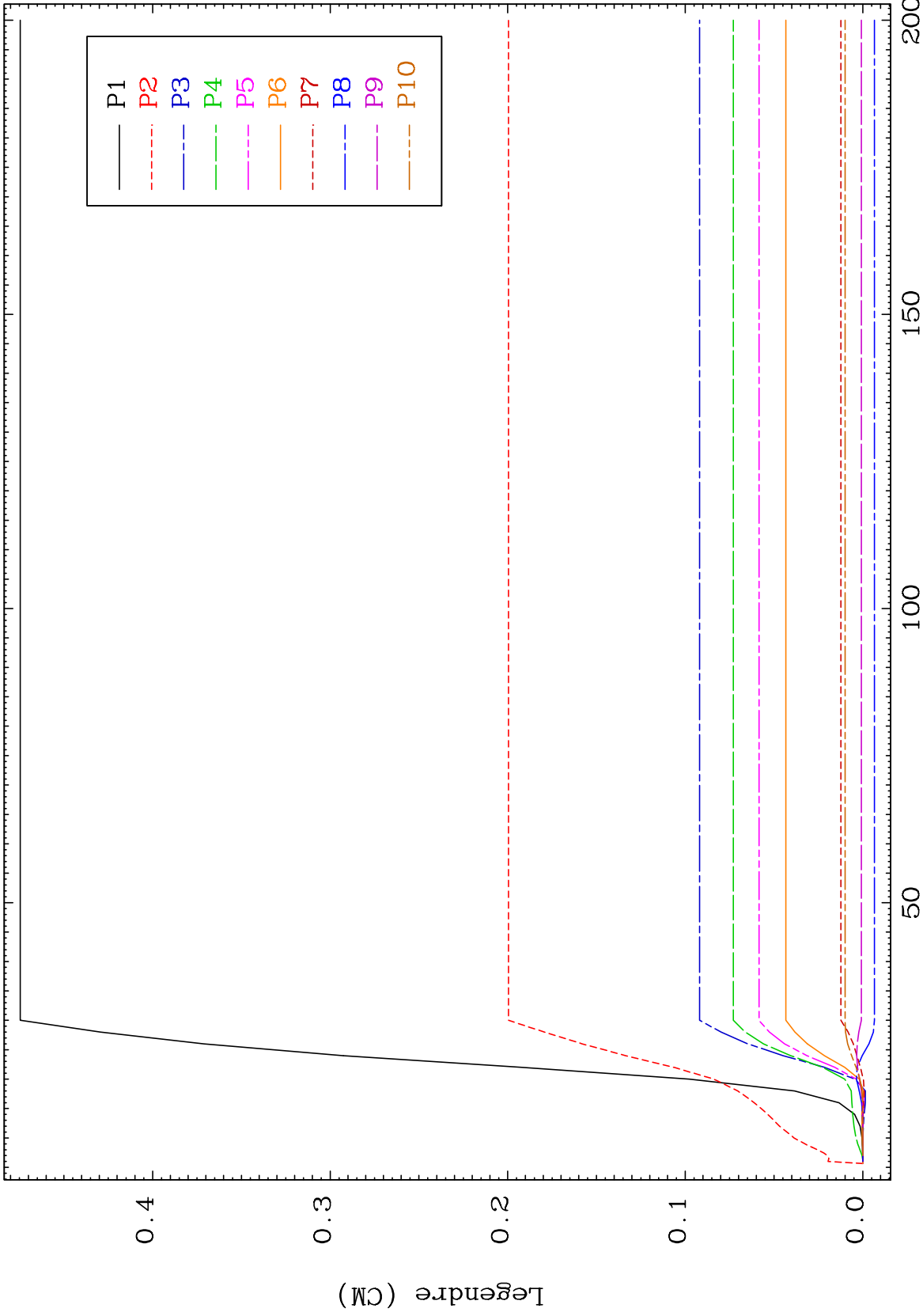
71

13-Al-27

MAT 1325

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

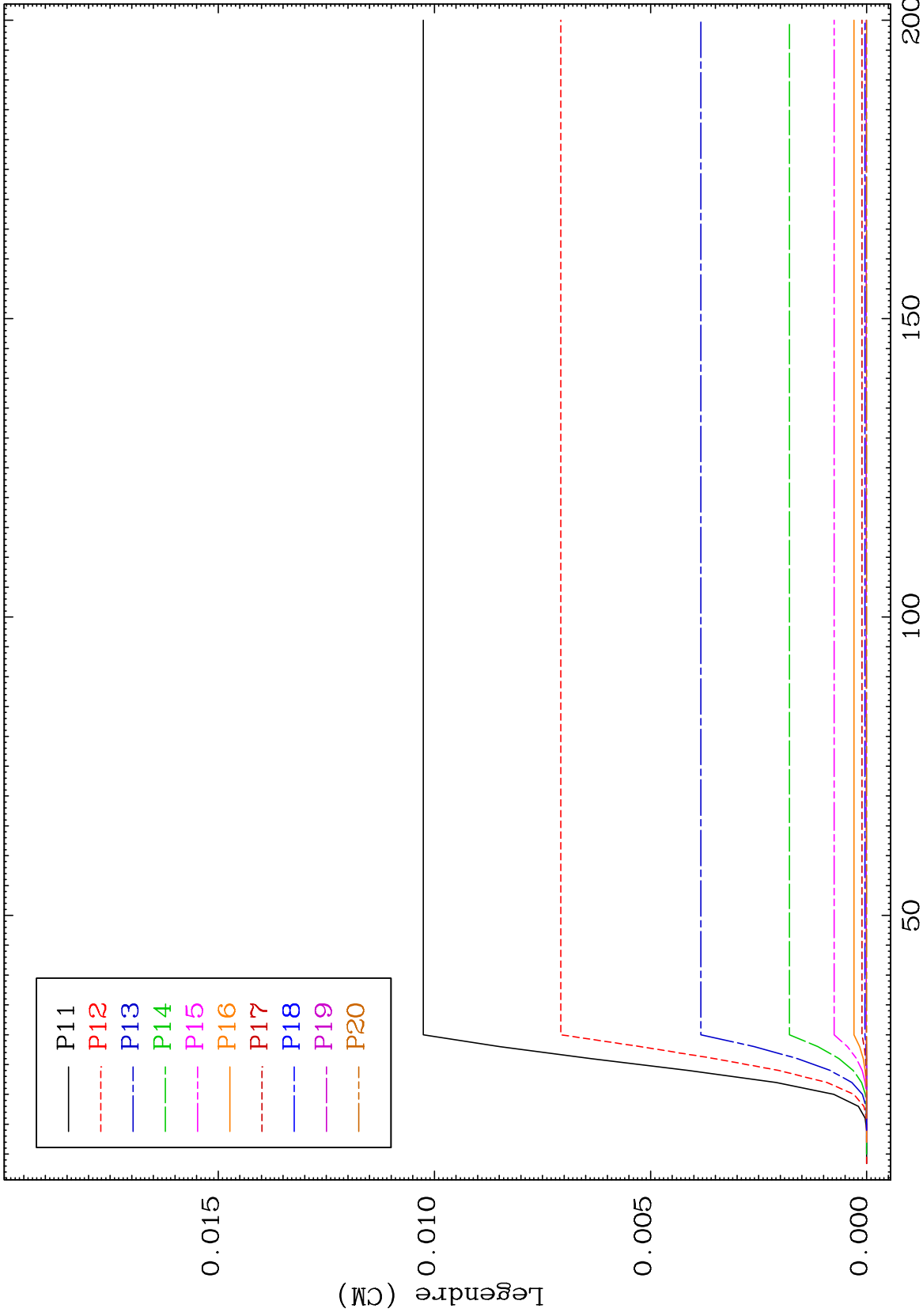
13-Al-27



72

Incident Energy (MeV)

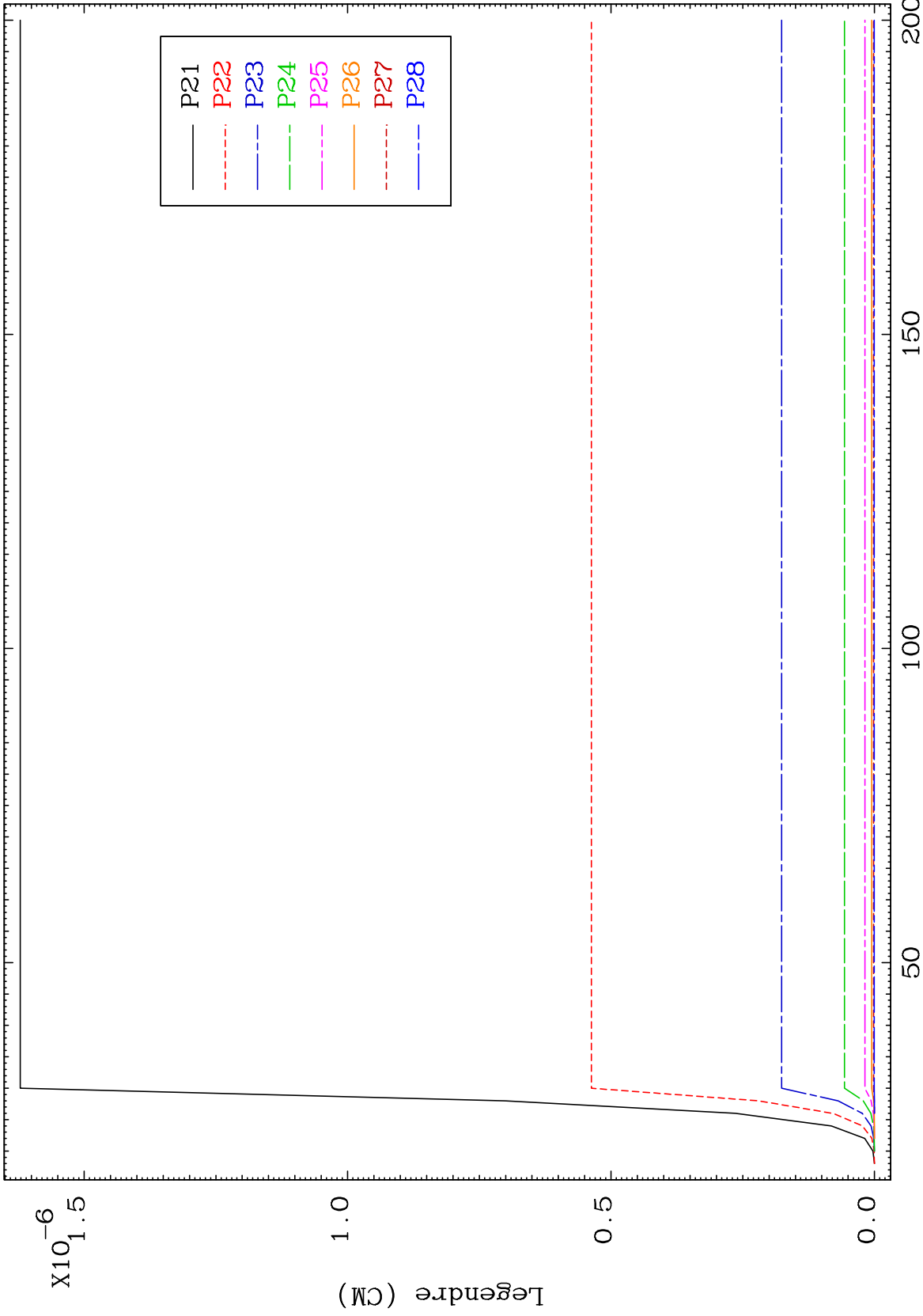
13-Al-27



MAT 1325

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

13-Al-27



74

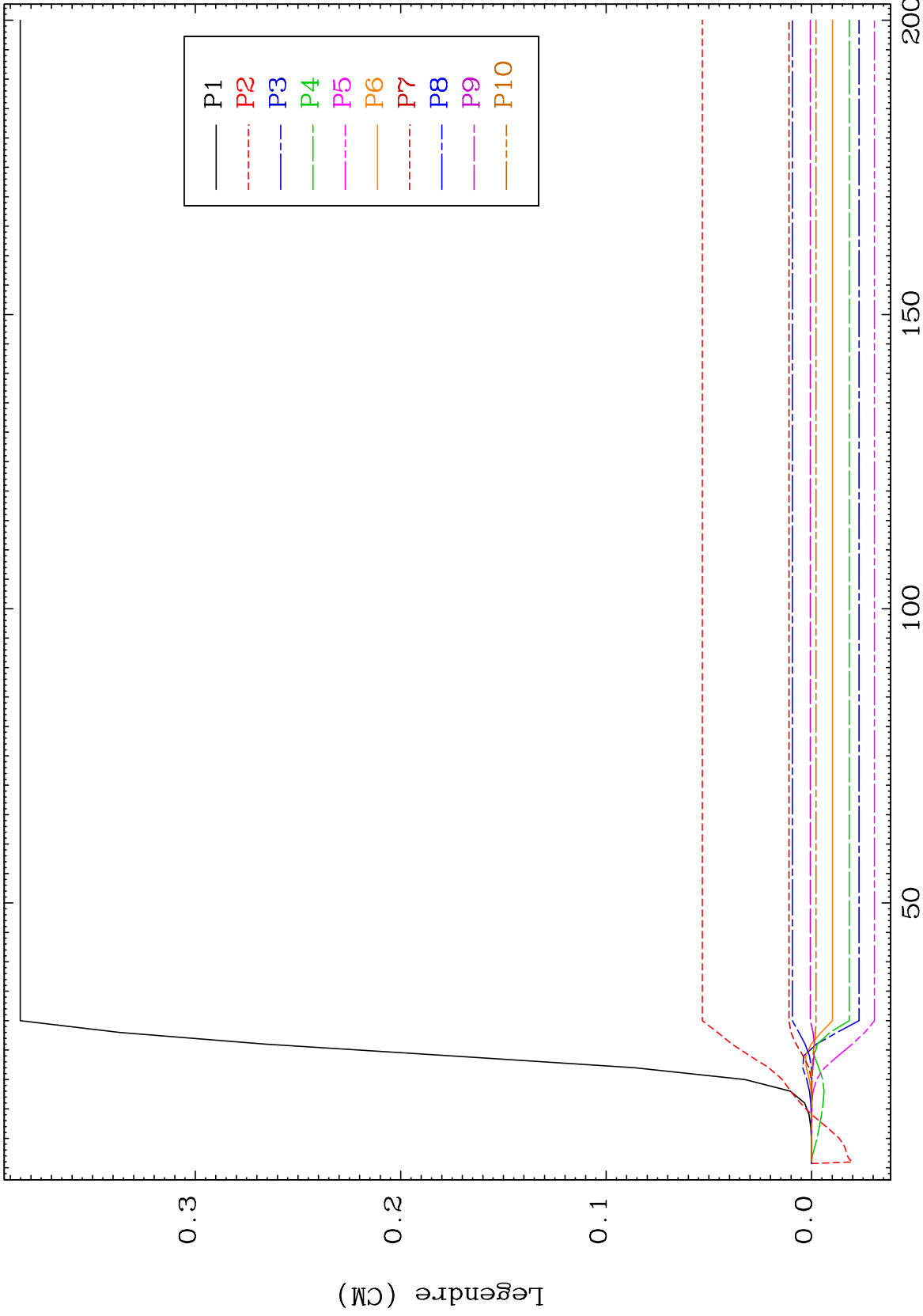
Incident Energy (MeV)

13-Al-27

MAT 1325

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

13-Al-27



75

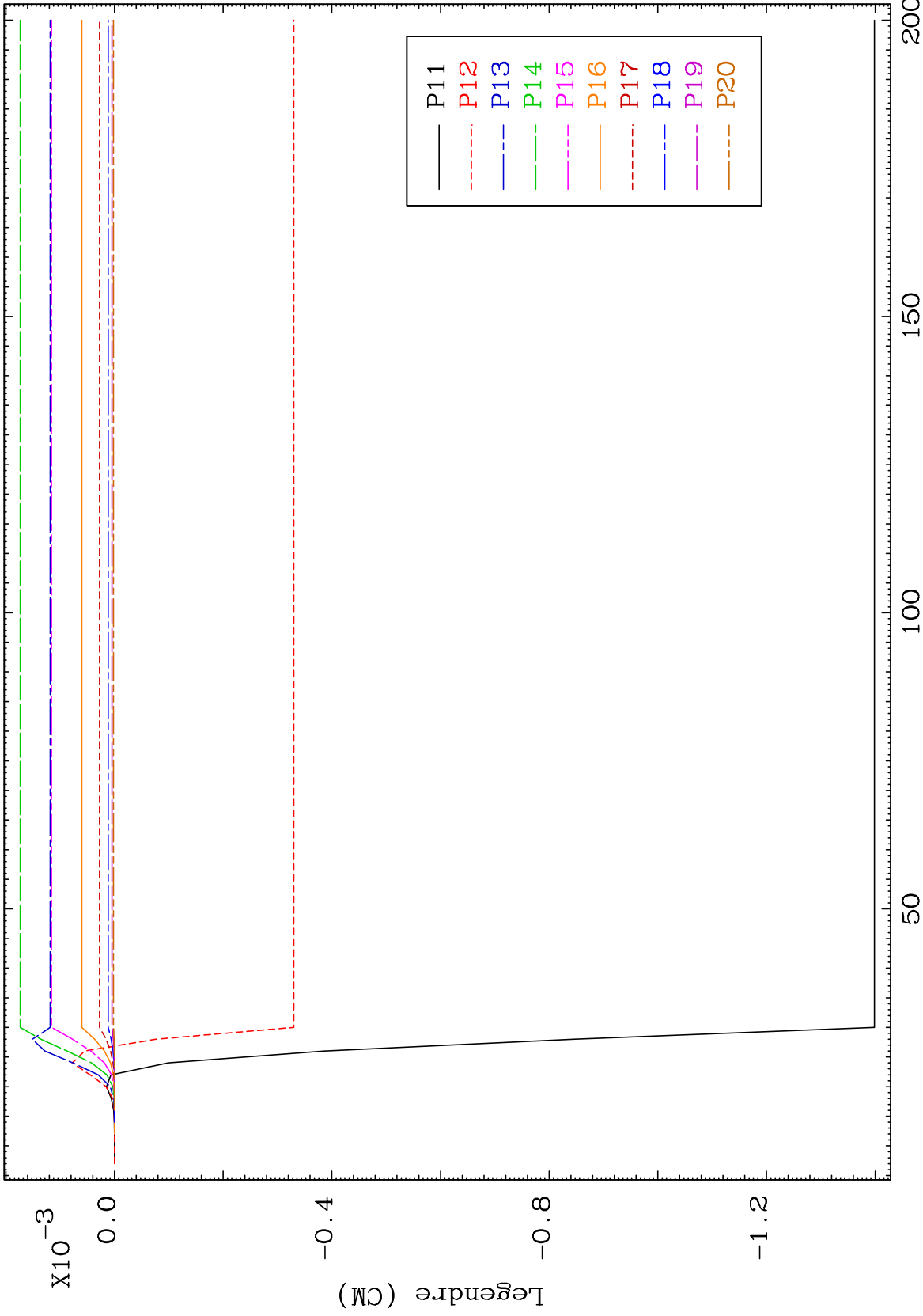
Incident Energy (MeV)

13-Al-27

MAT 1325

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

13-Al-27



76

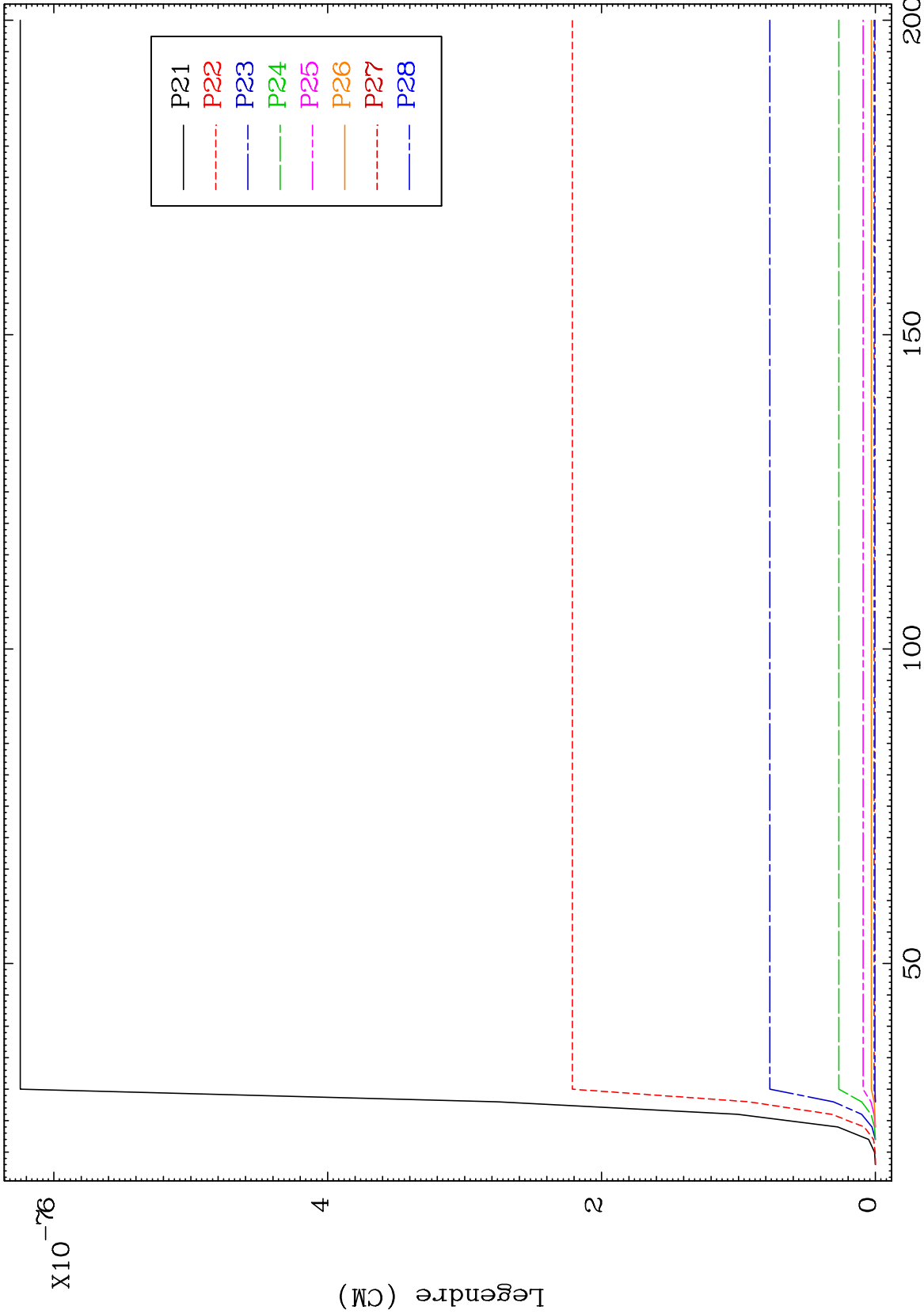
Incident Energy (MeV)

13-Al-27

MAT 1325

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

13-Al-27



77

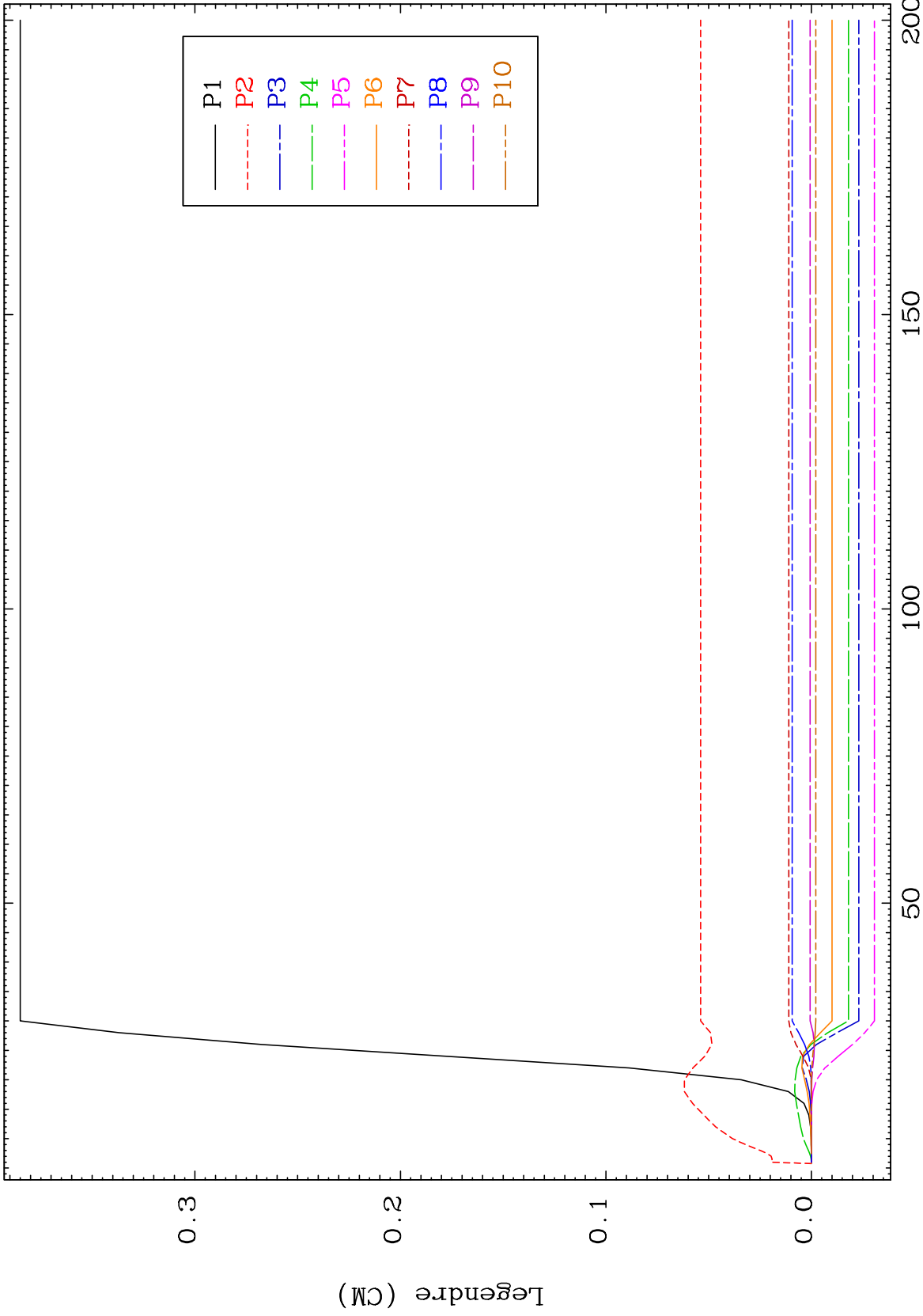
Incident Energy (MeV)

13-Al-27

MAT 1325

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

13-Al-27



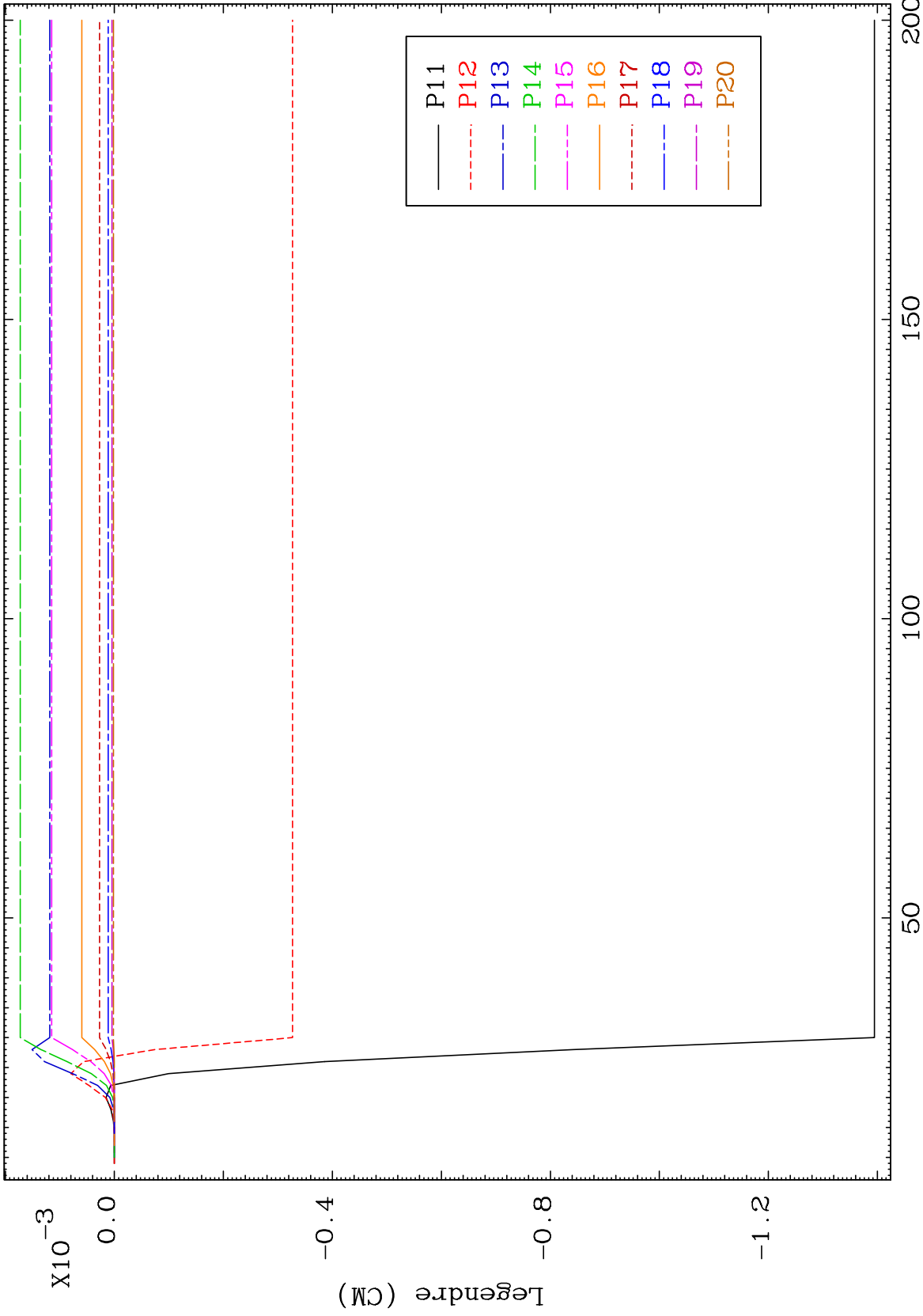
78

13-Al-27

MAT 1325

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

13-Al-27



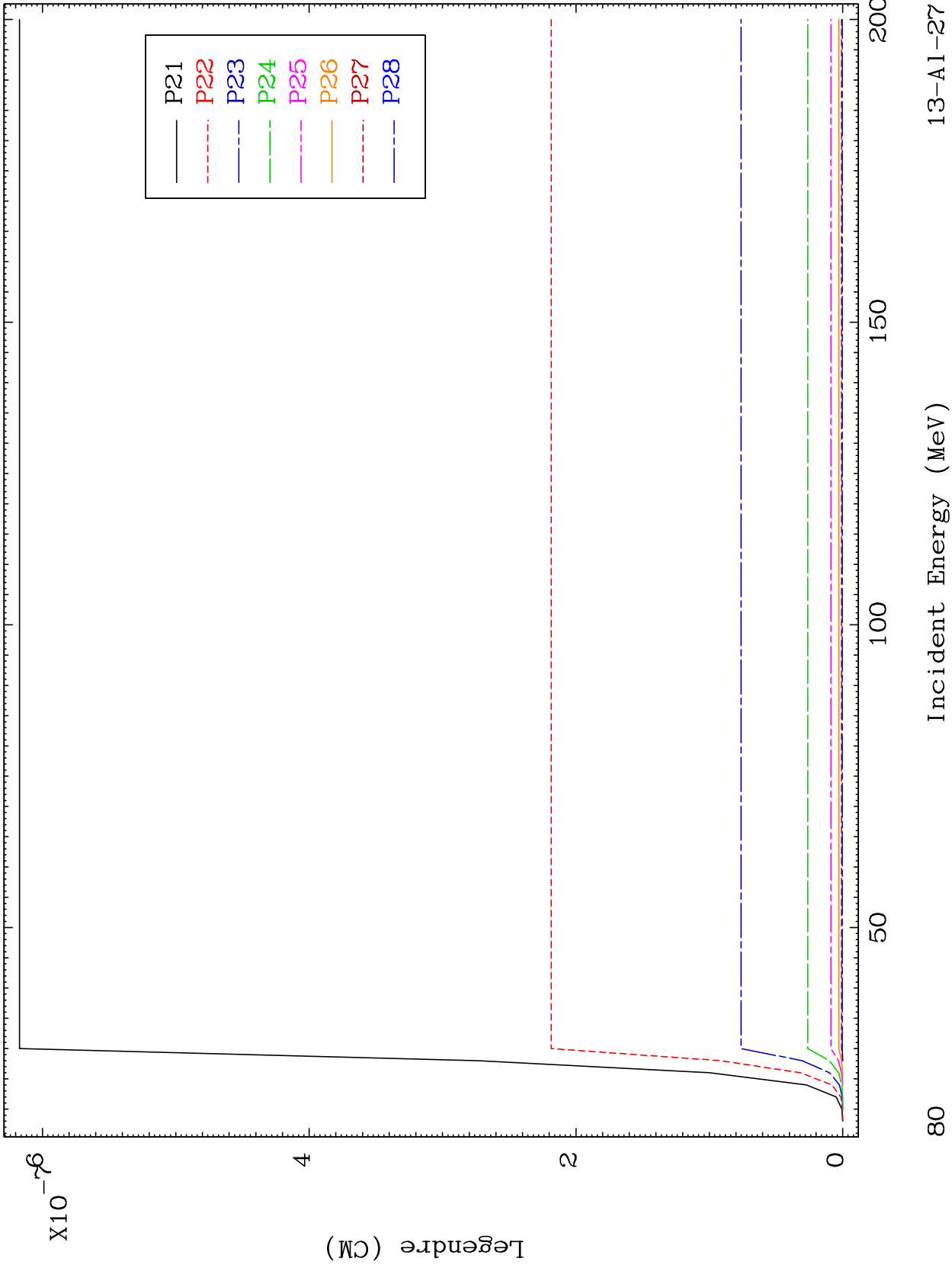
79

13-Al-27

MAT 1325

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

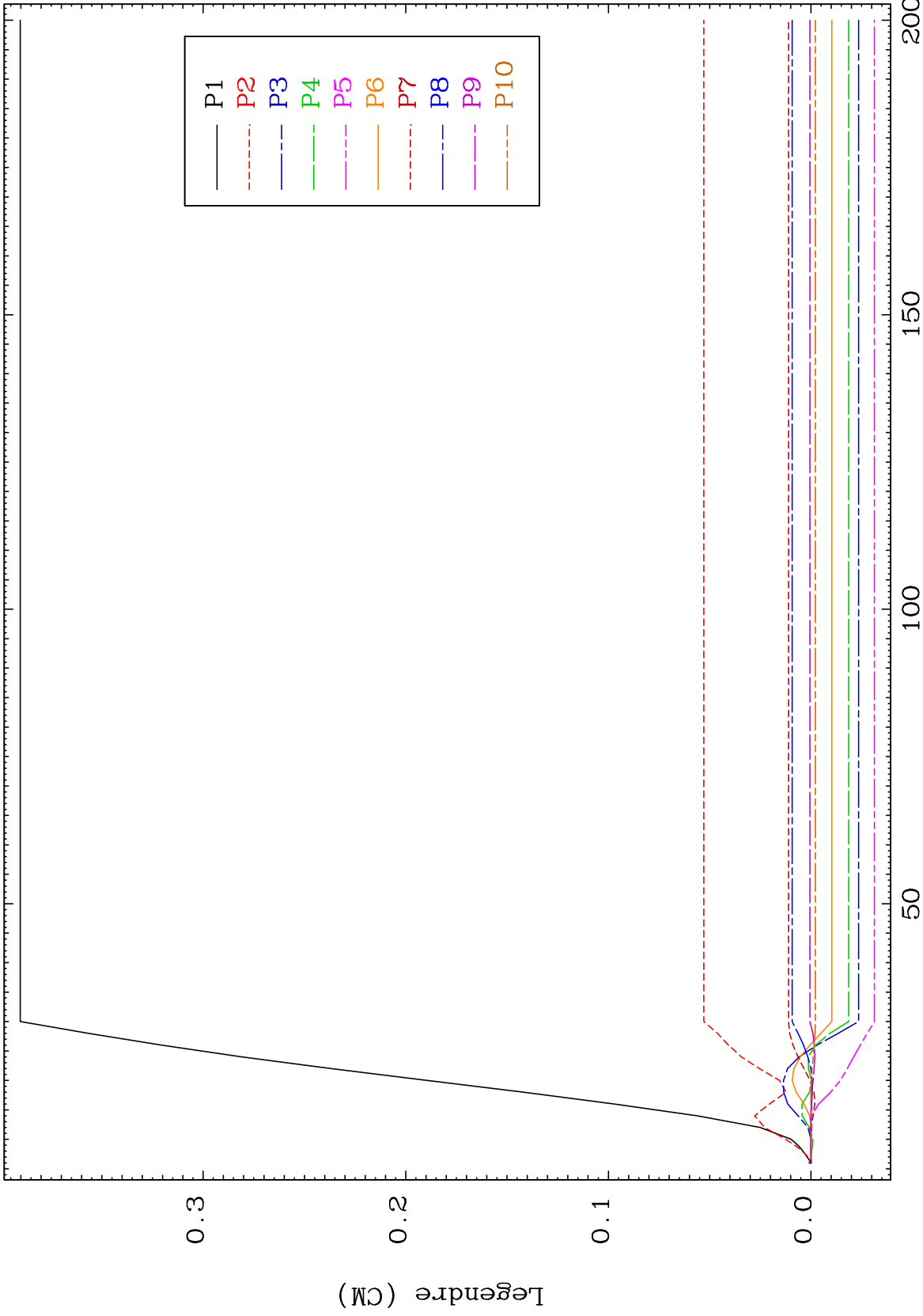
13-Al-27



MAT 1325

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

13-Al-27



81

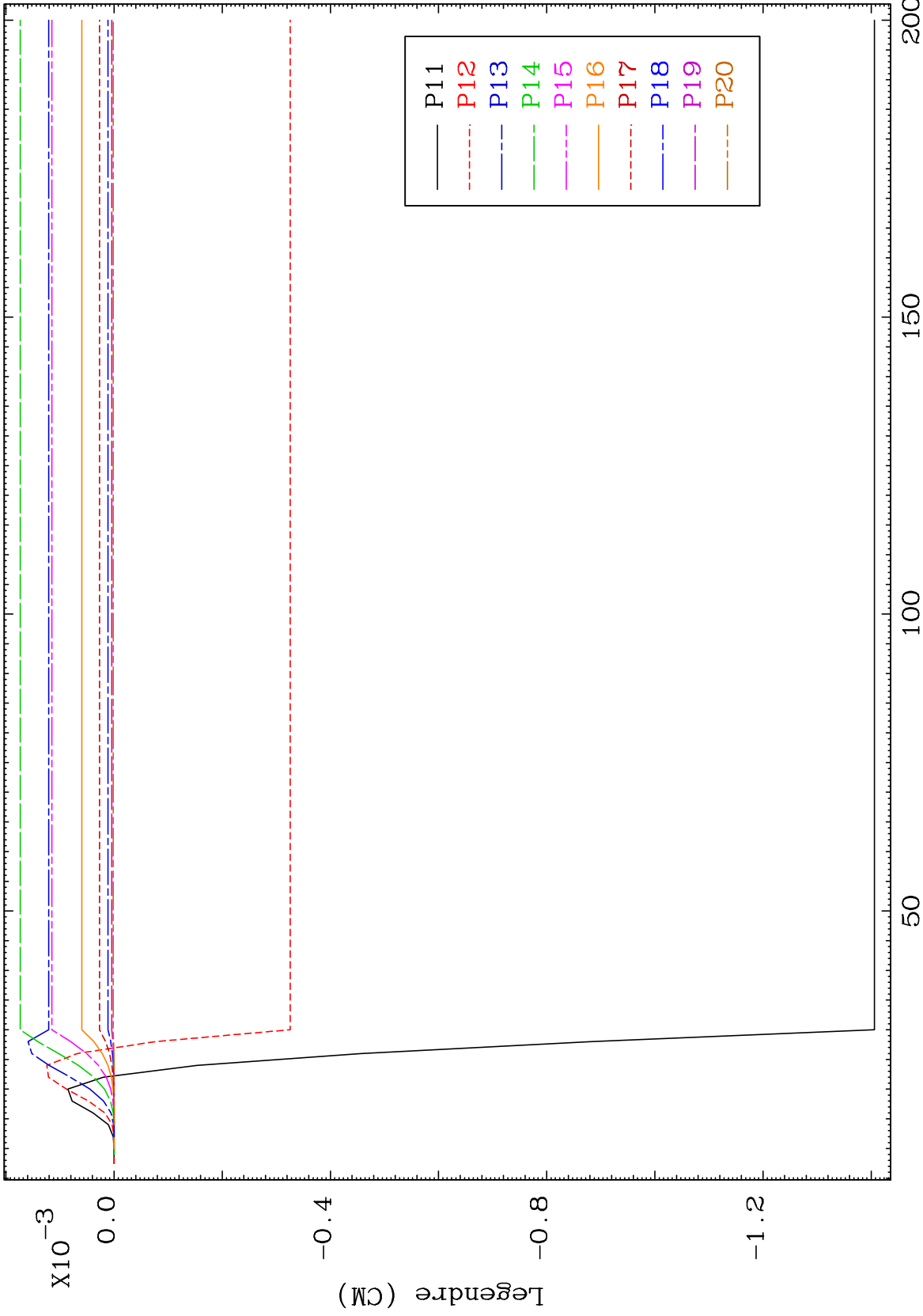
Incident Energy (MeV)

13-Al-27

MAT 1325

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

13-Al-27



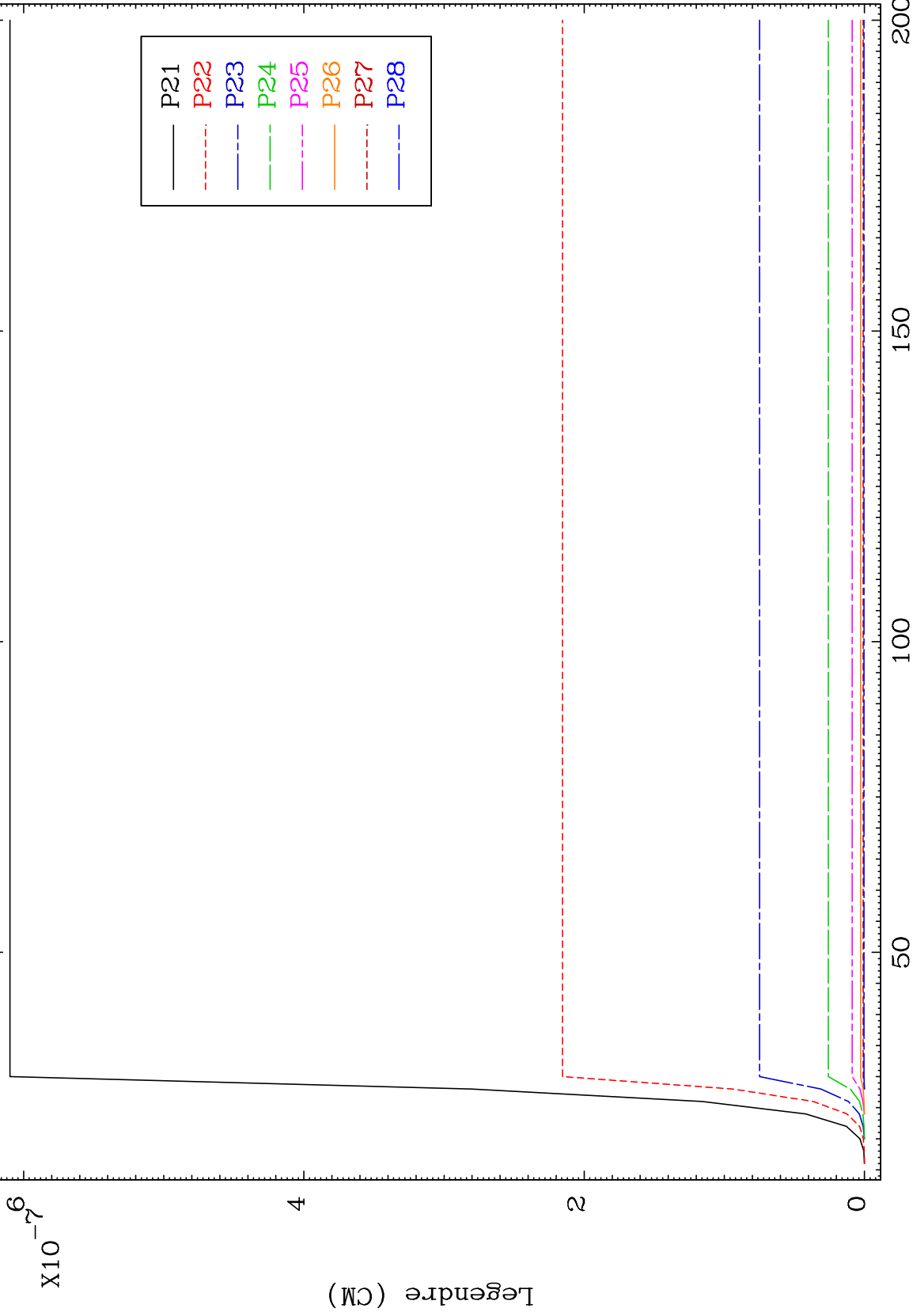
82

13-Al-27

MAT 1325

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

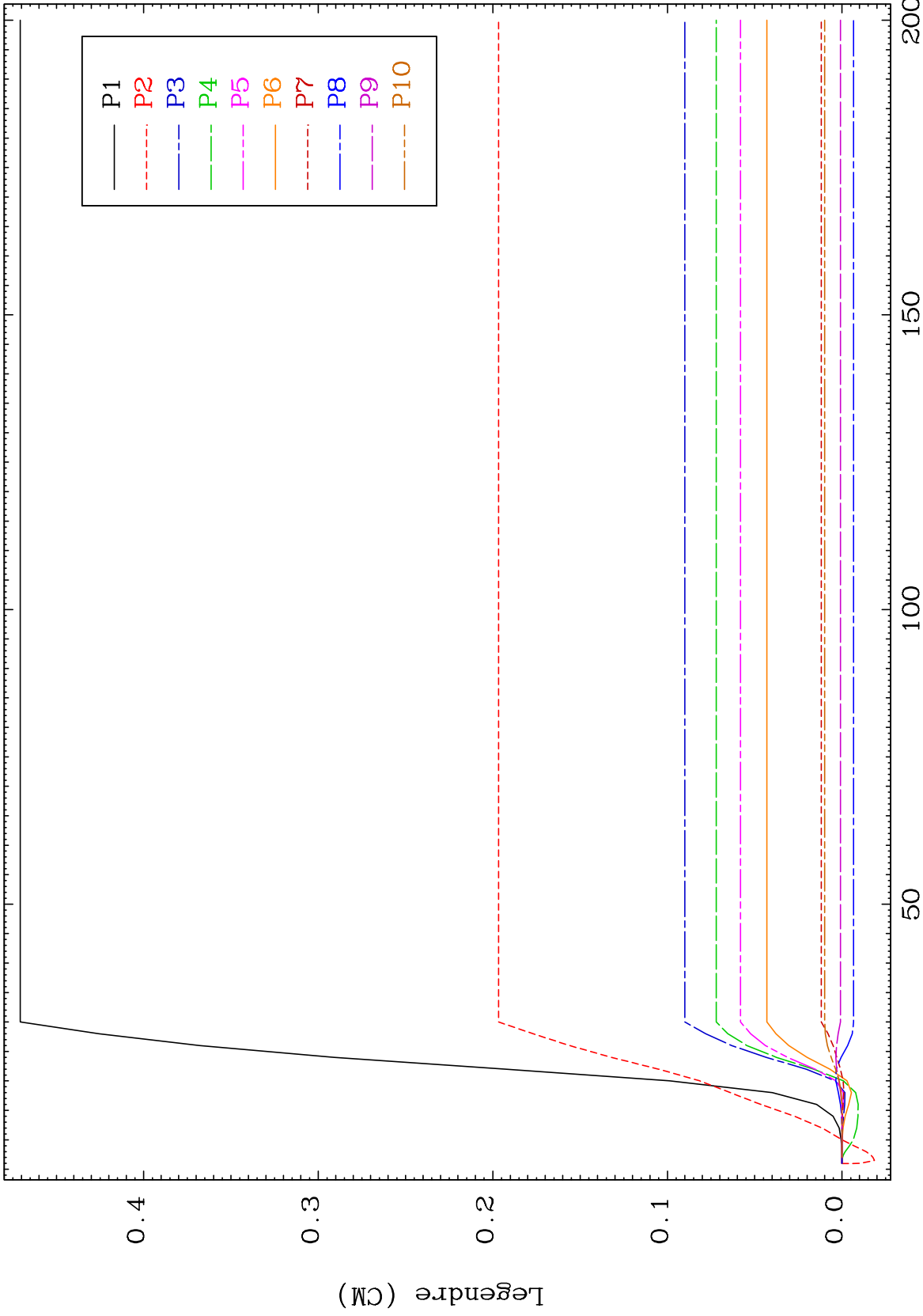
13-Al-27



MAT 1325

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

13-Al-27



84

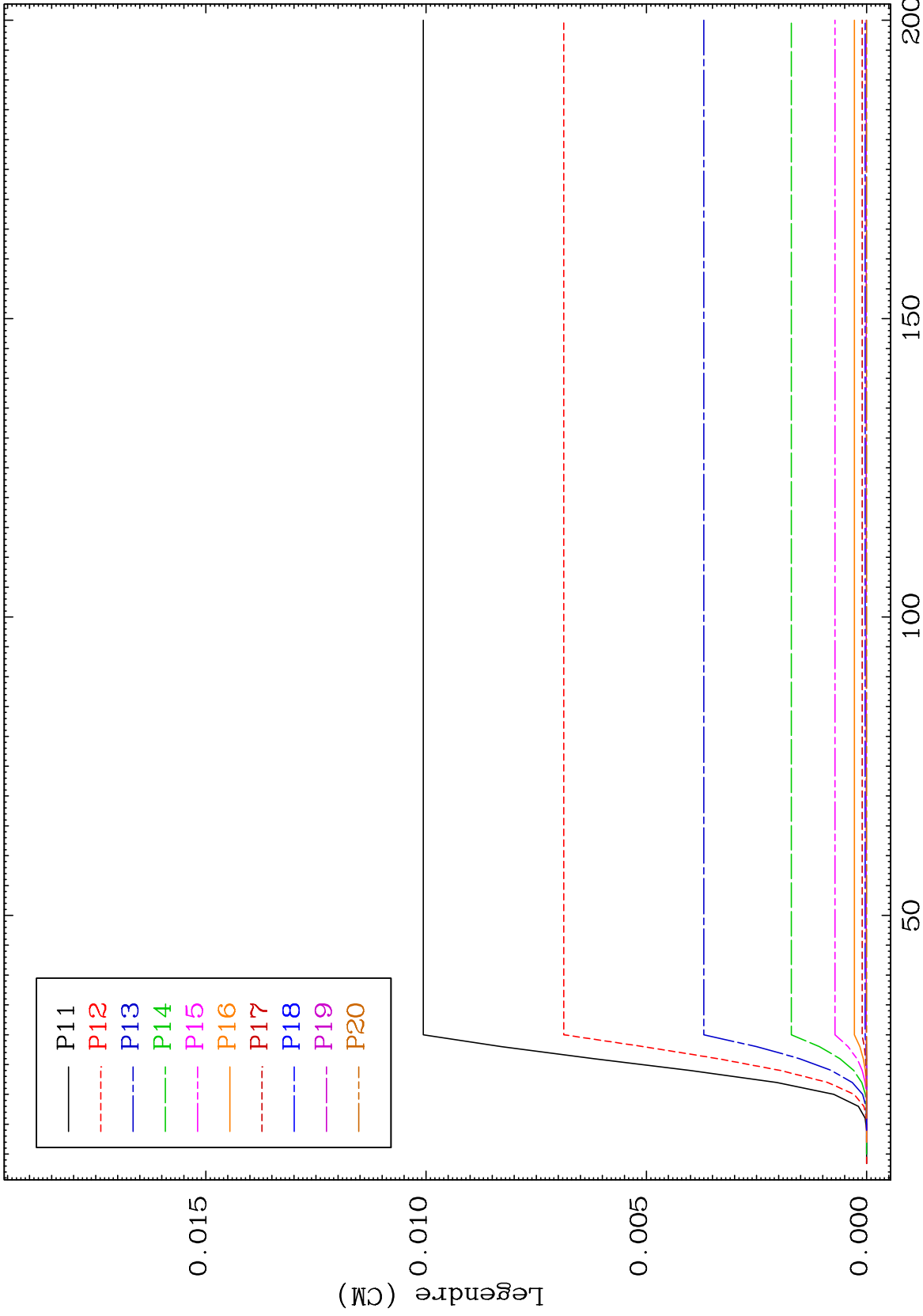
Incident Energy (MeV)

13-Al-27

MAT 1325

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

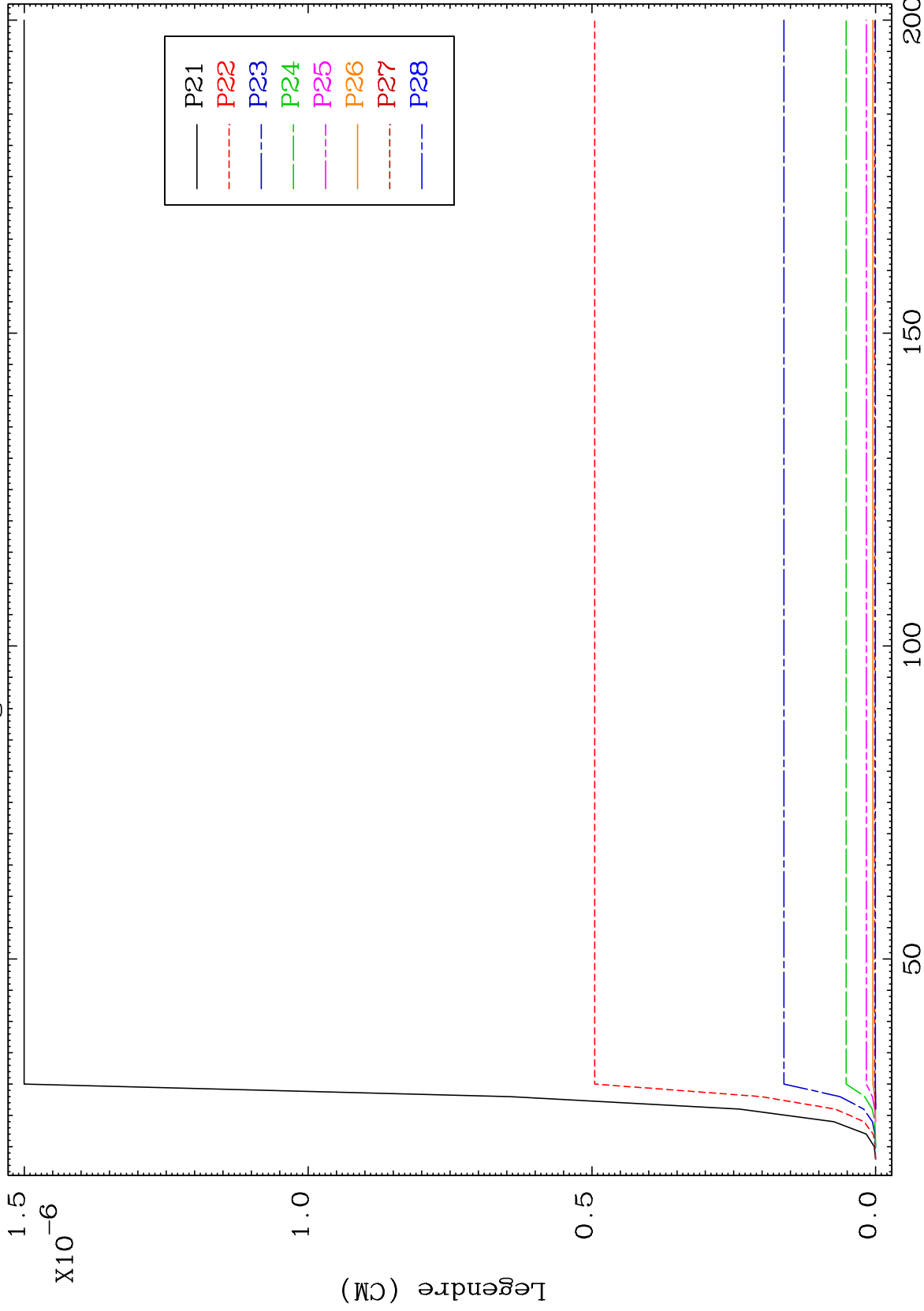
13-Al-27

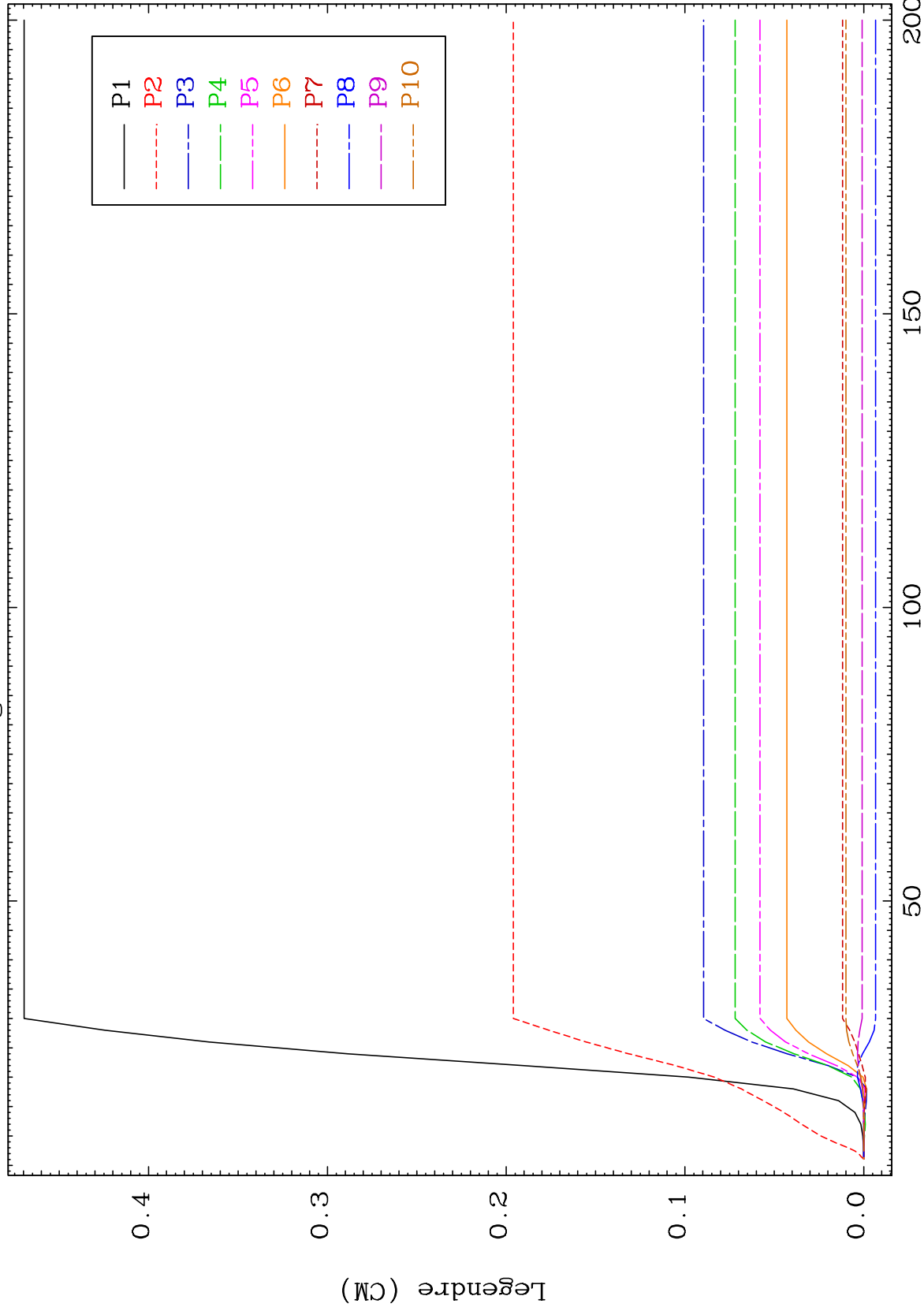


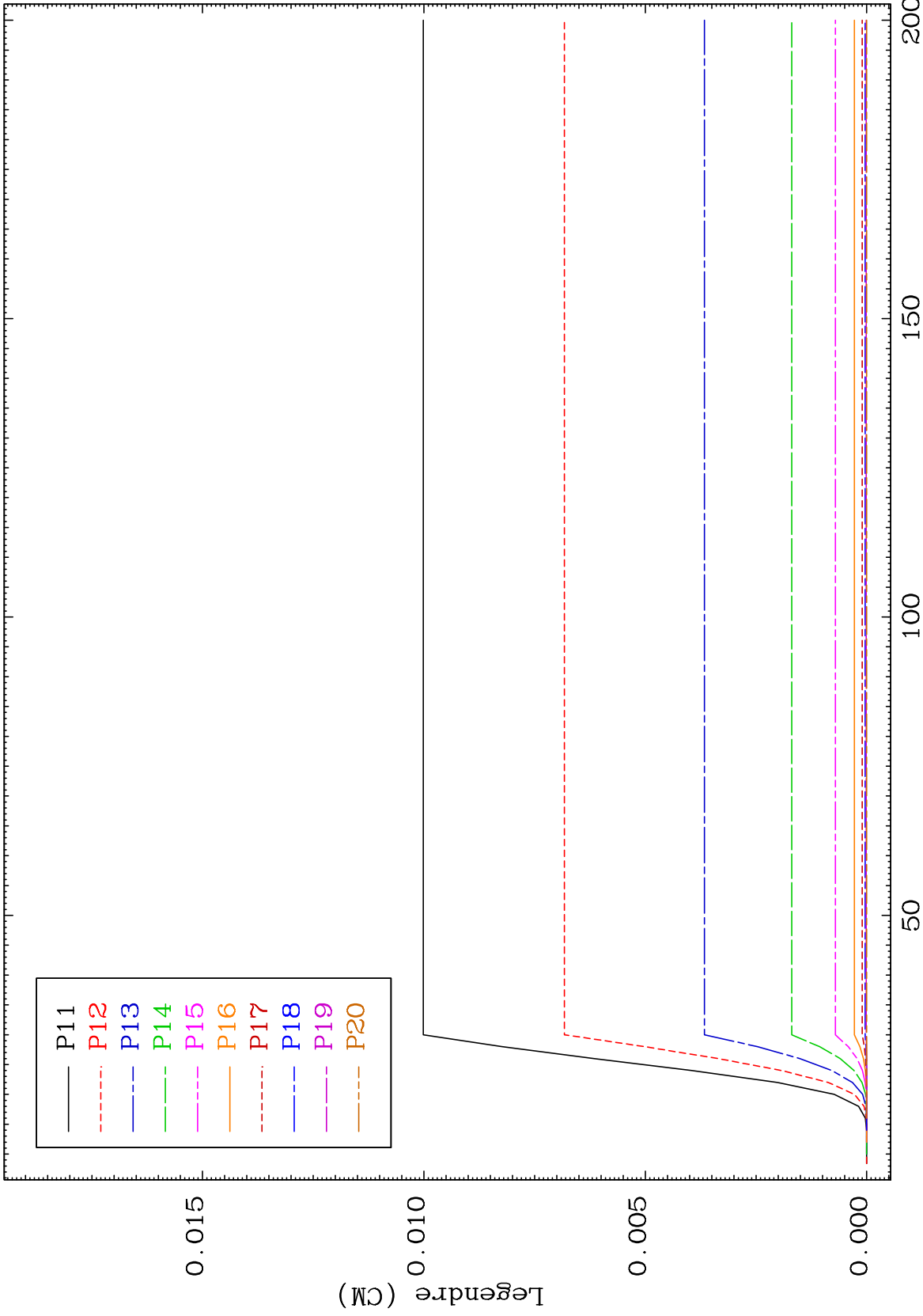
85

Incident Energy (MeV)

13-Al-27



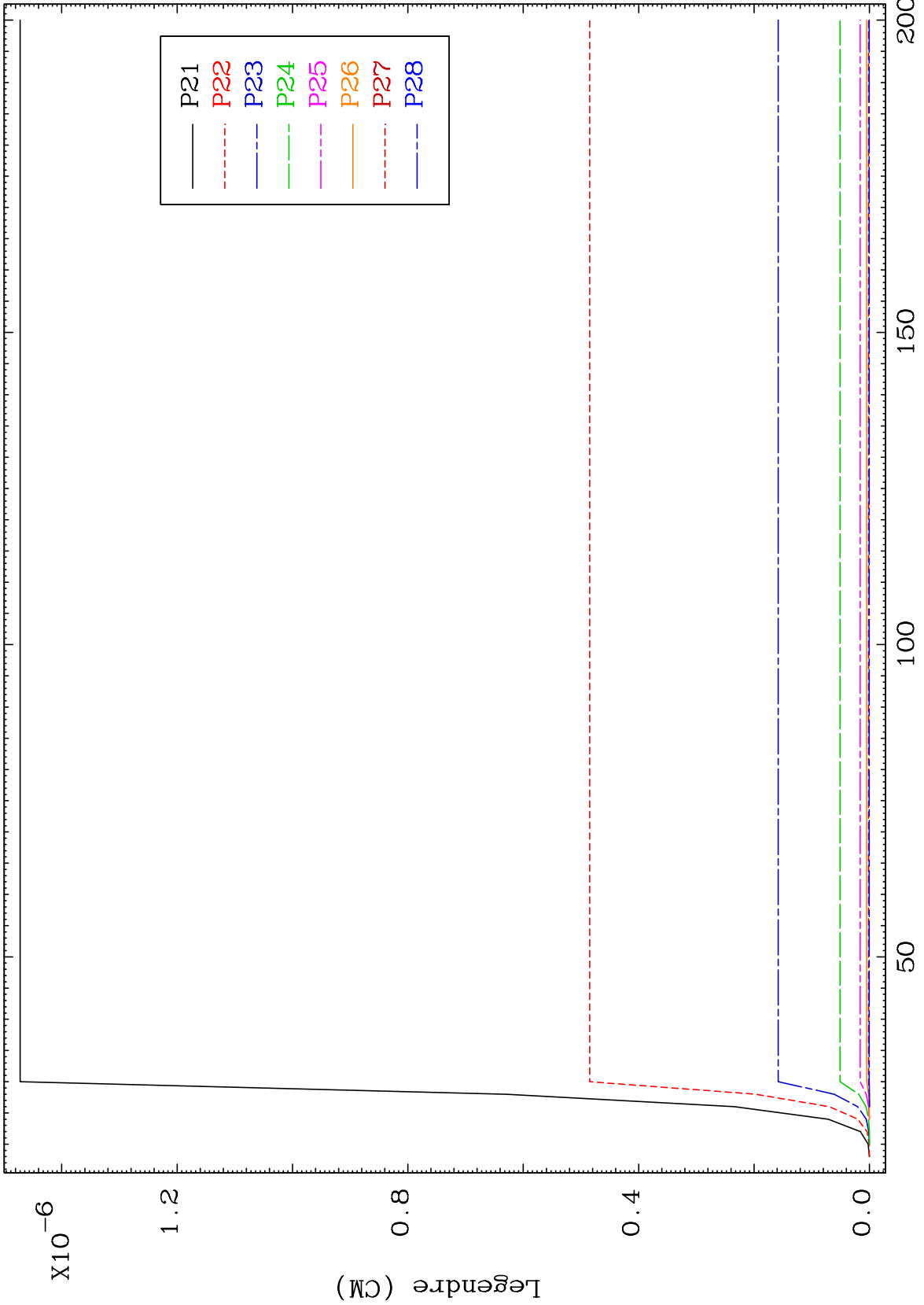




MAT 1325

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

13-Al-27



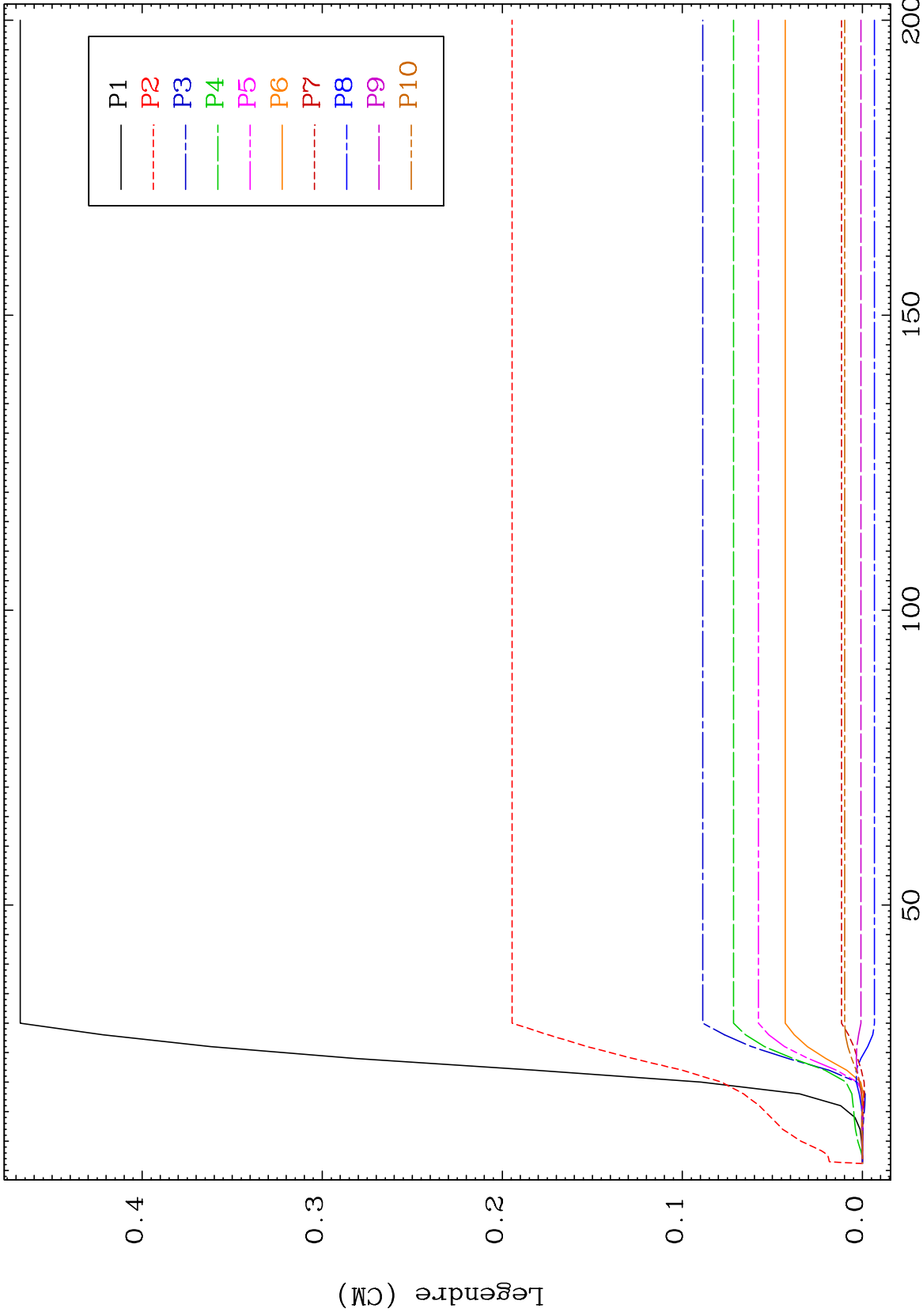
89

13-Al-27

MAT 1325

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

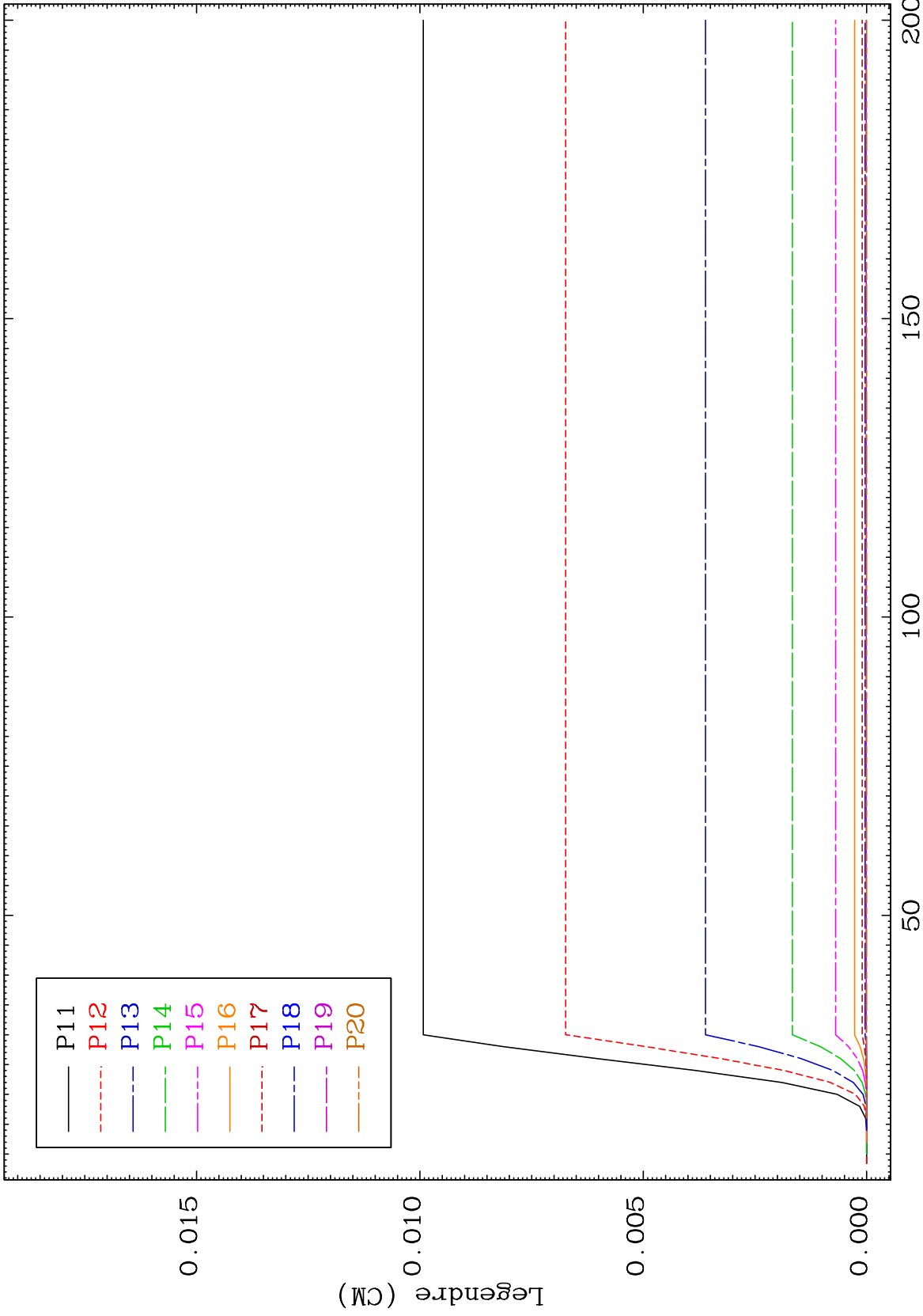
13-Al-27



90

Incident Energy (MeV)

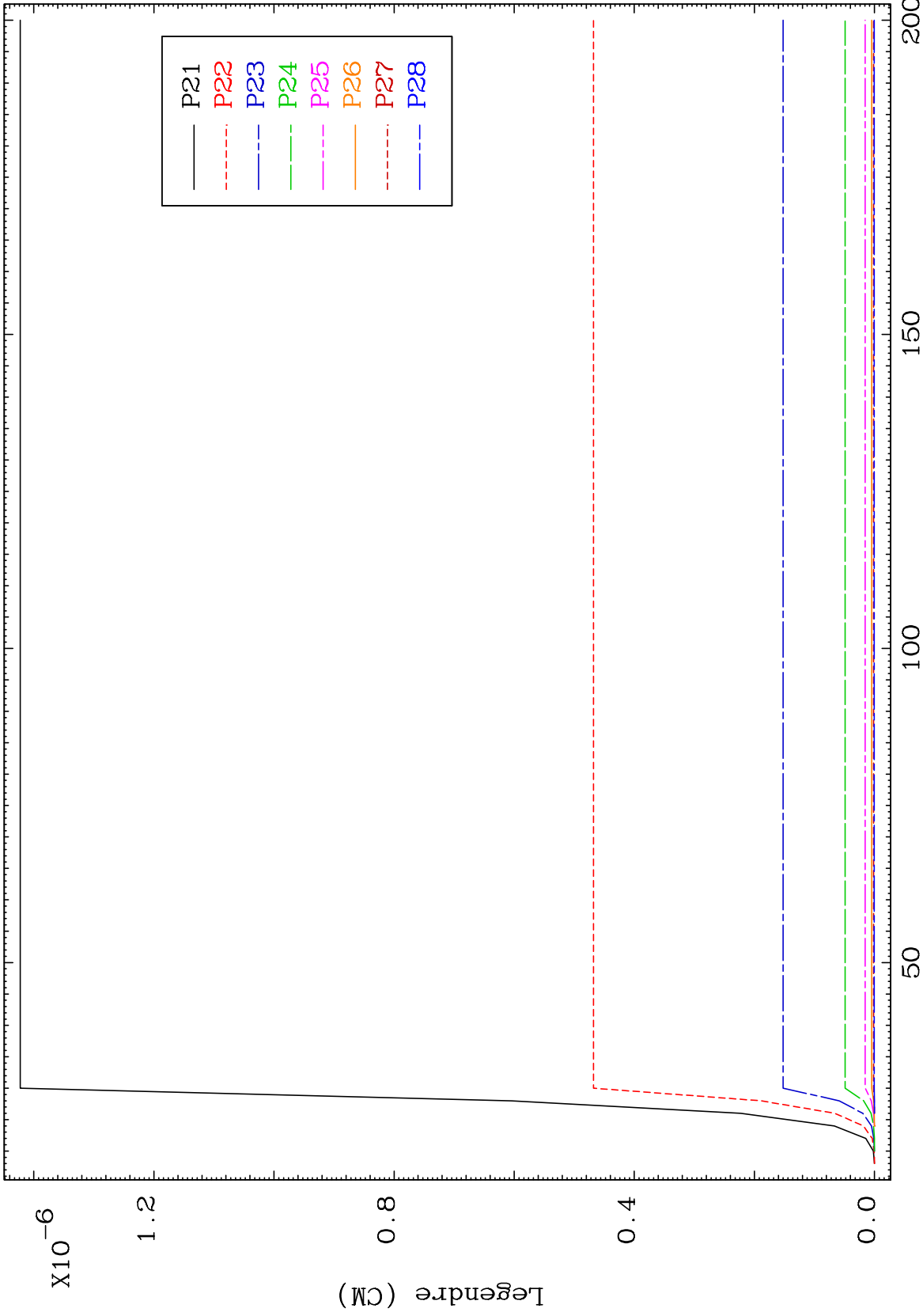
13-Al-27



MAT 1325

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

13-Al-27



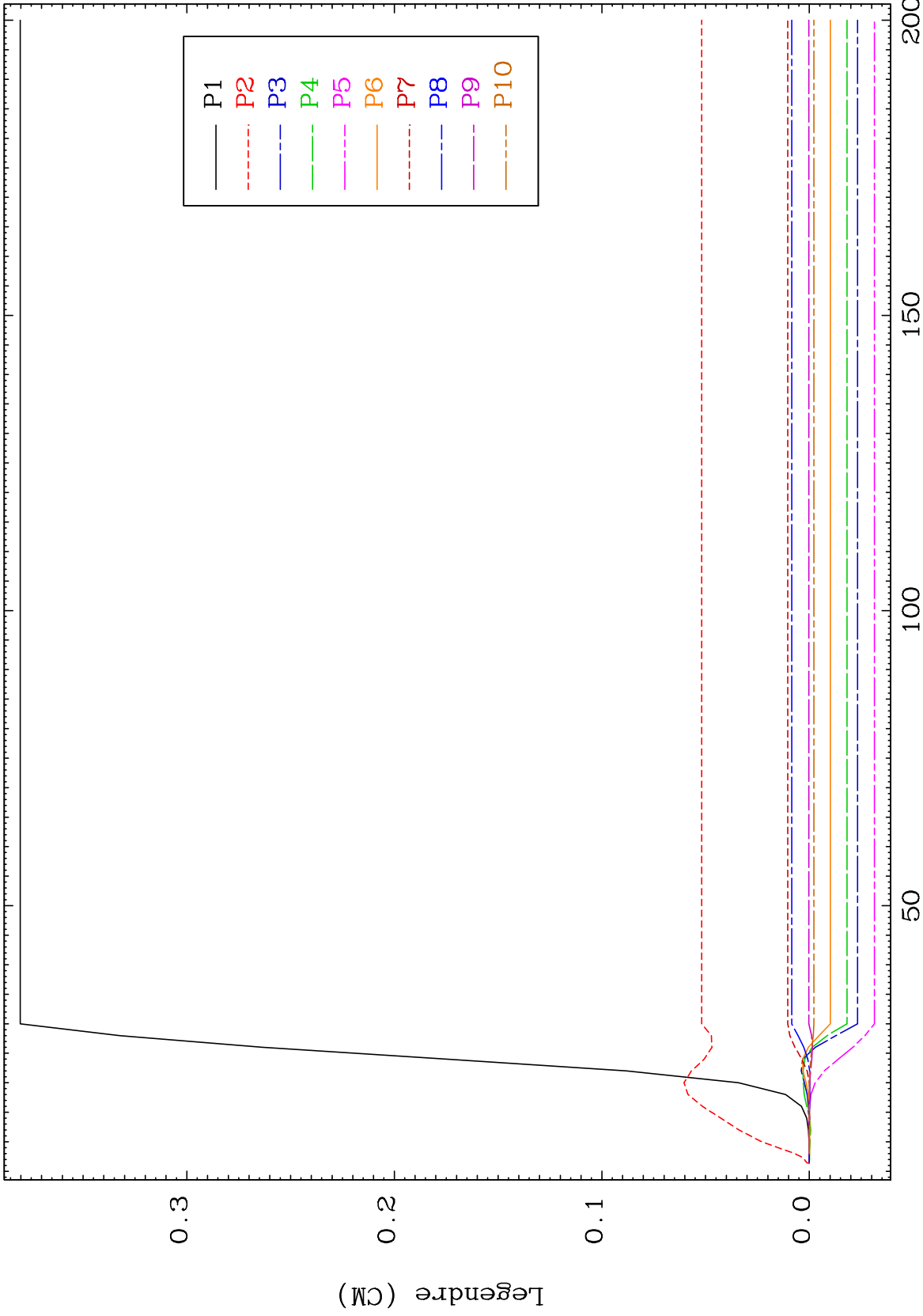
92

13-Al-27

MAT 1325

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

13-Al-27



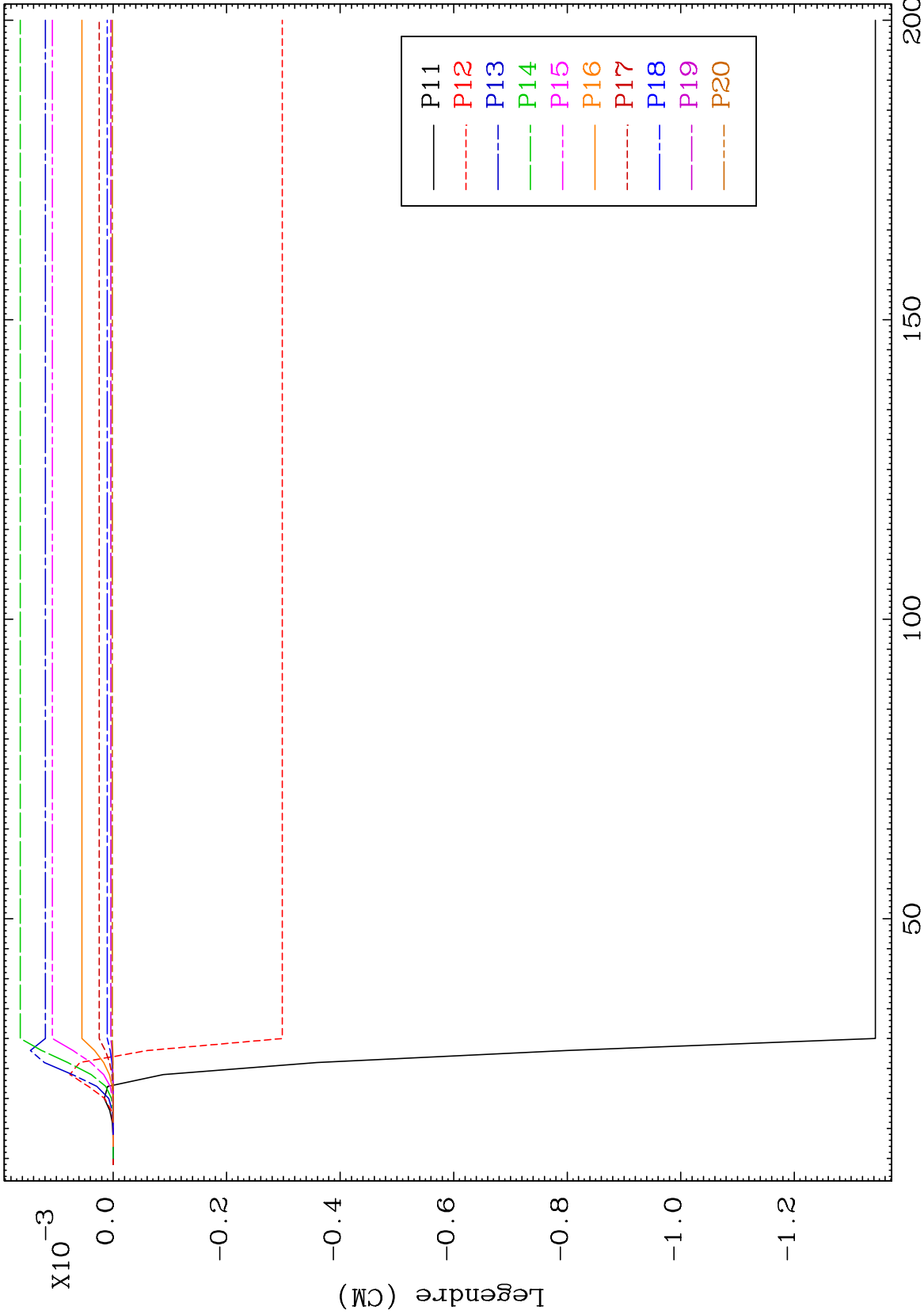
93

13-Al-27

MAT 1325

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

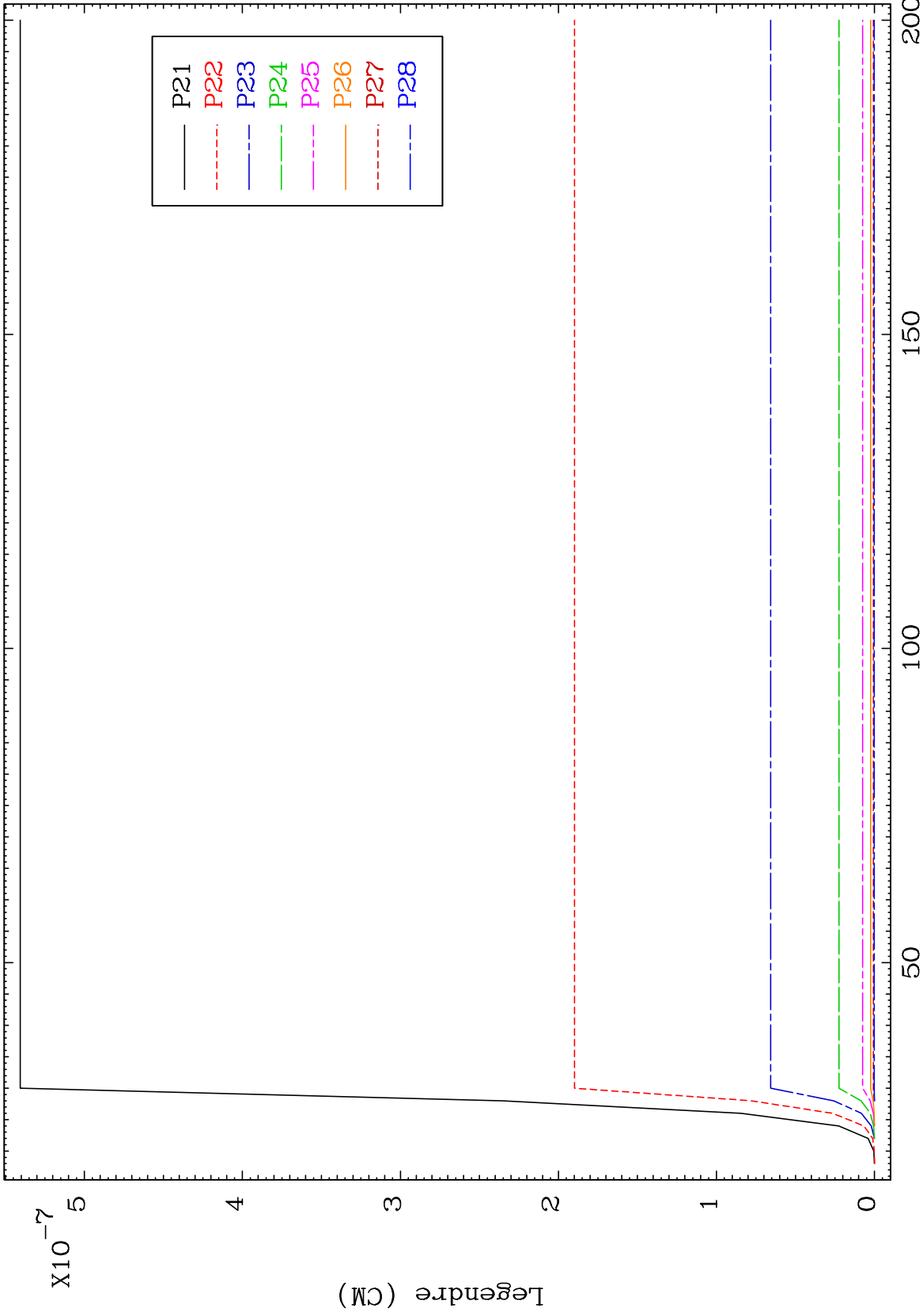
13-Al-27



MAT 1325

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

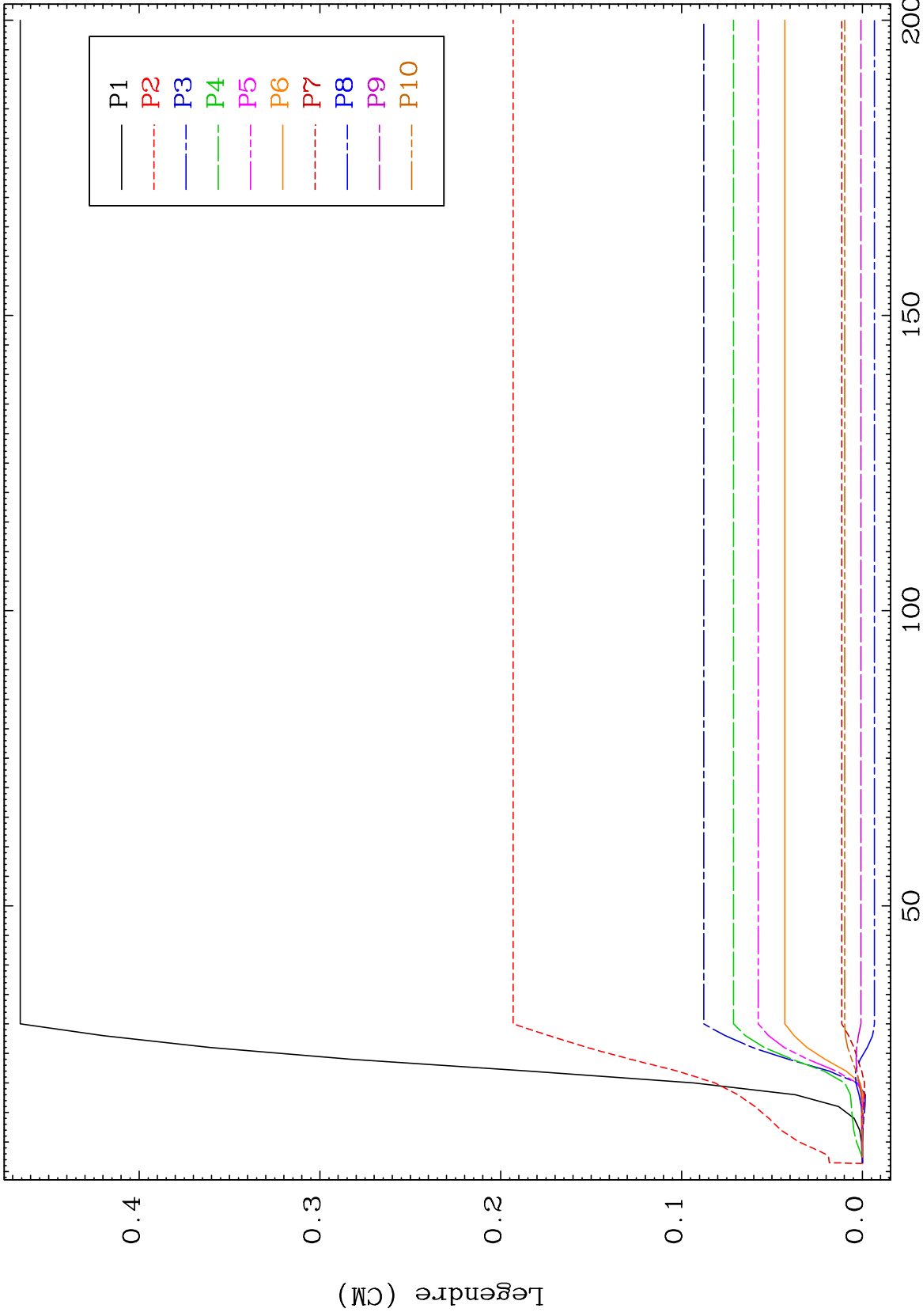
13-Al-27

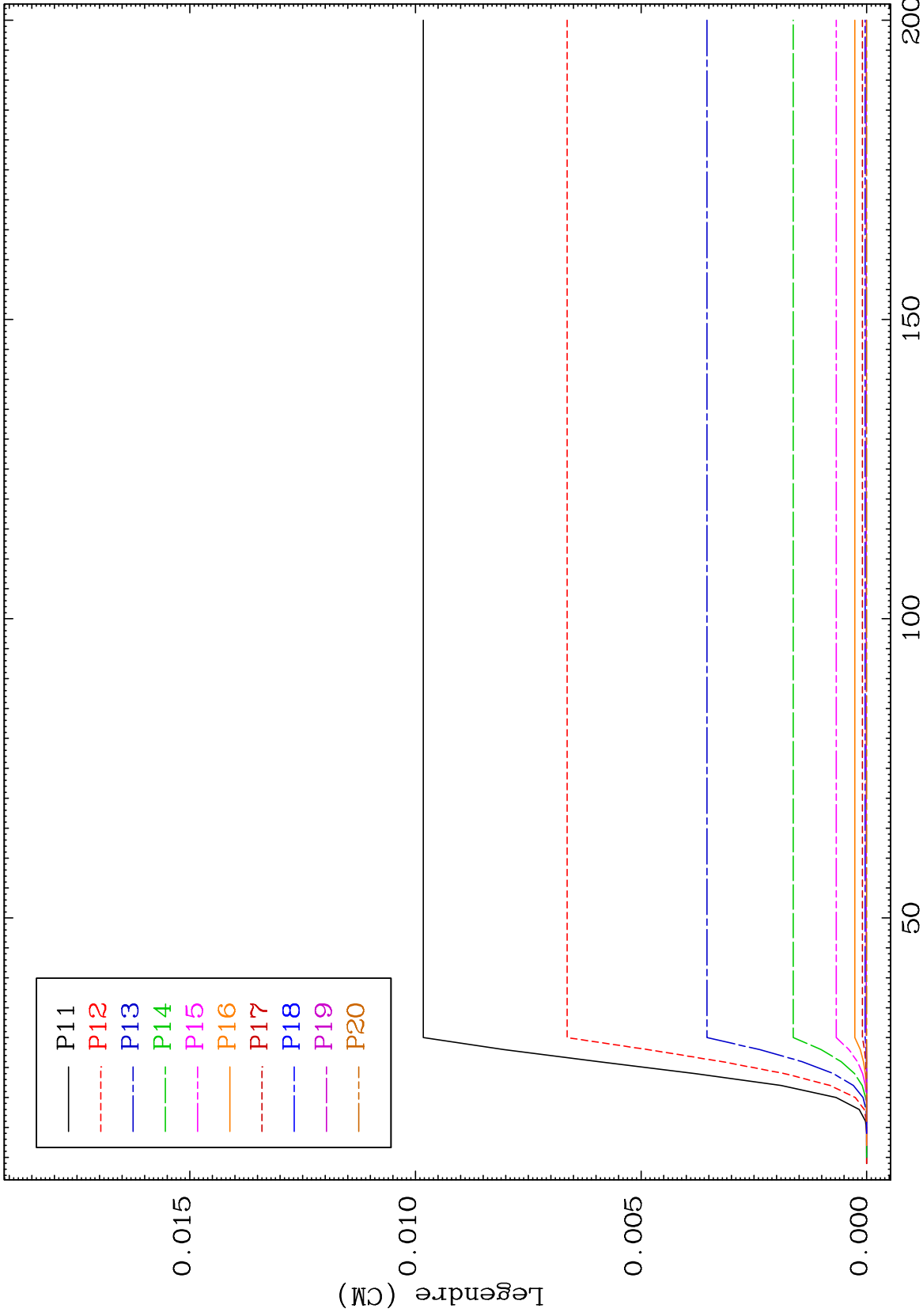


95

Incident Energy (MeV)

13-Al-27

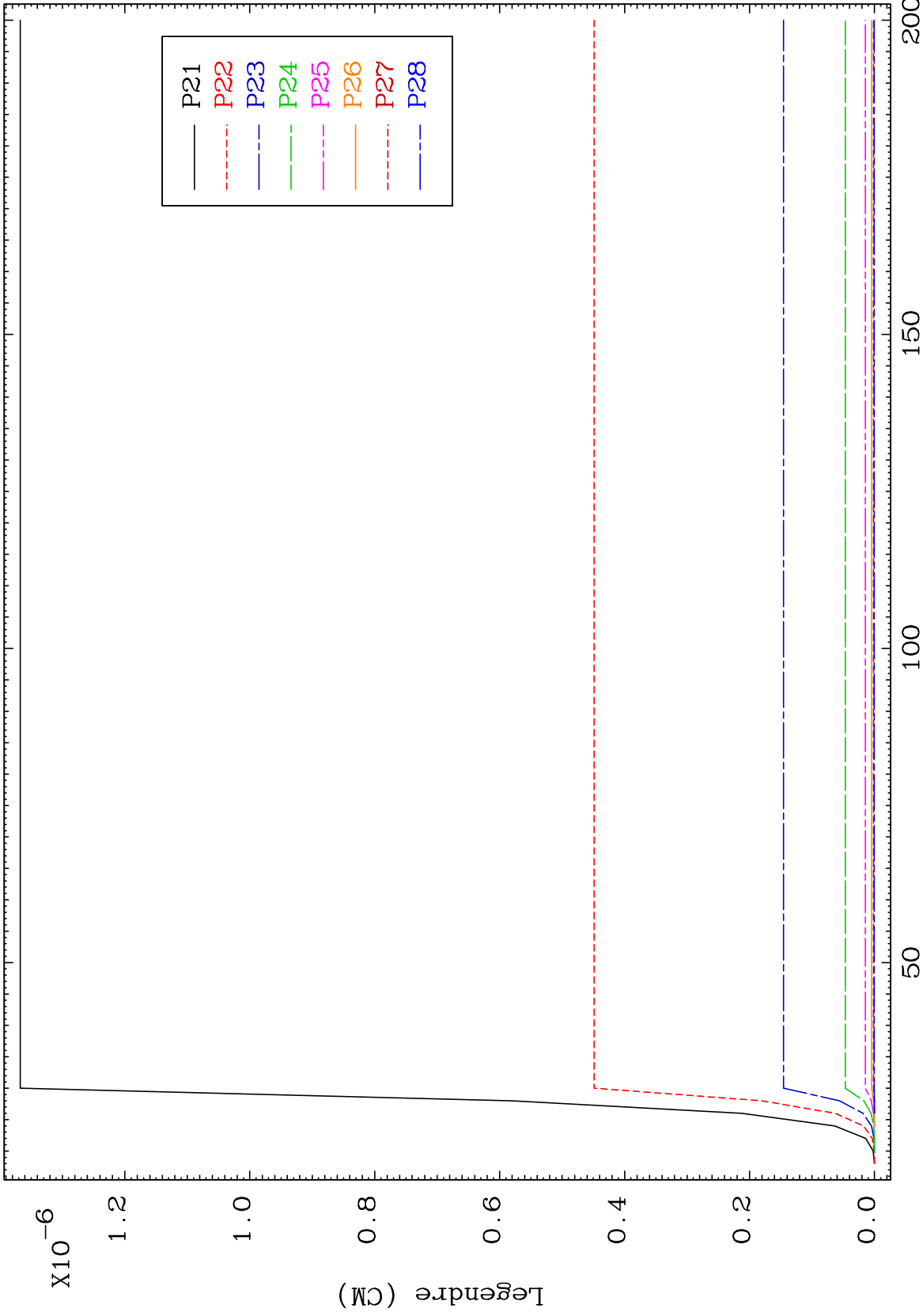




MAT 1325

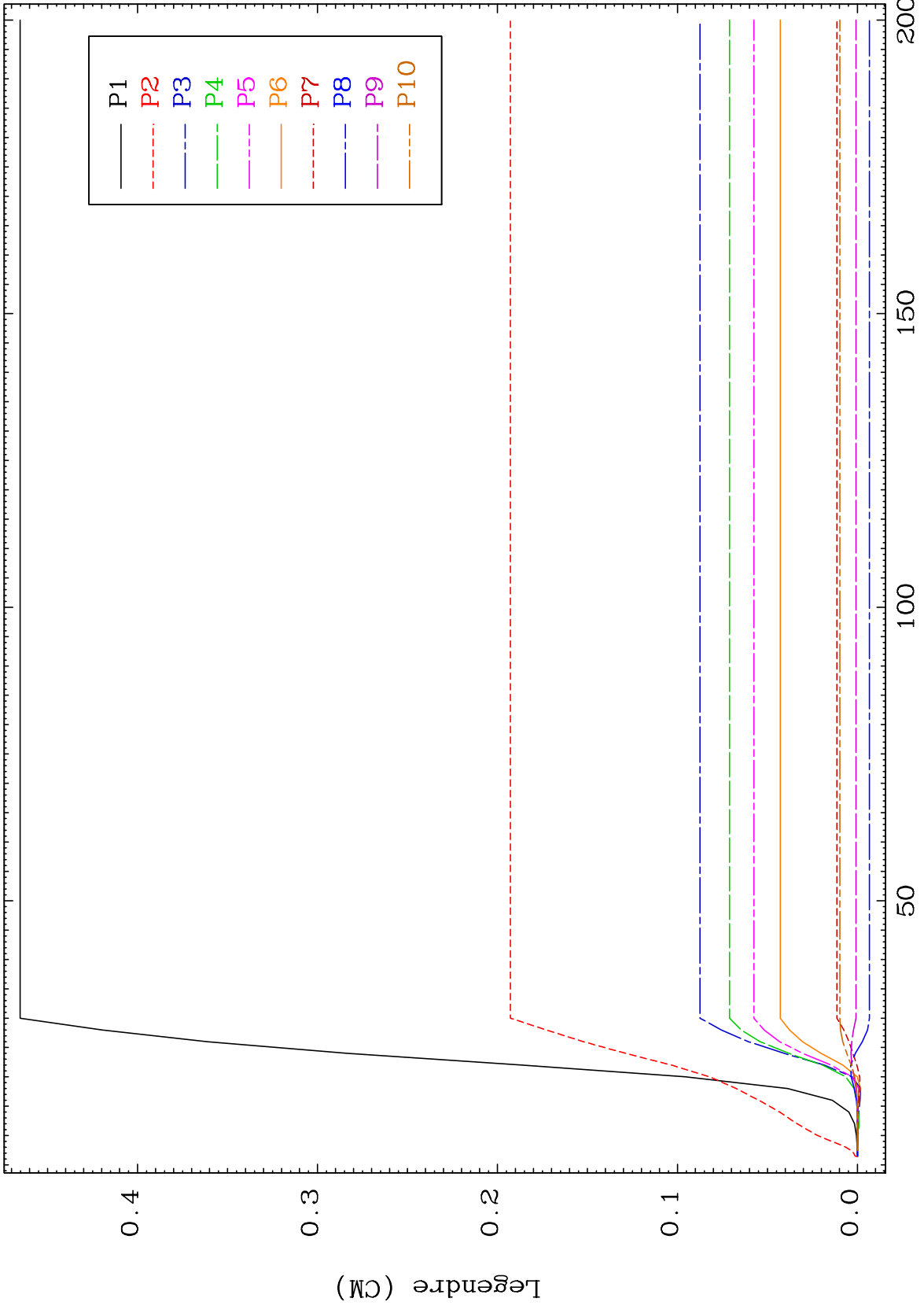
MT= 76 (n,n') Level
Legendre Coefficients

13-Al-27



98

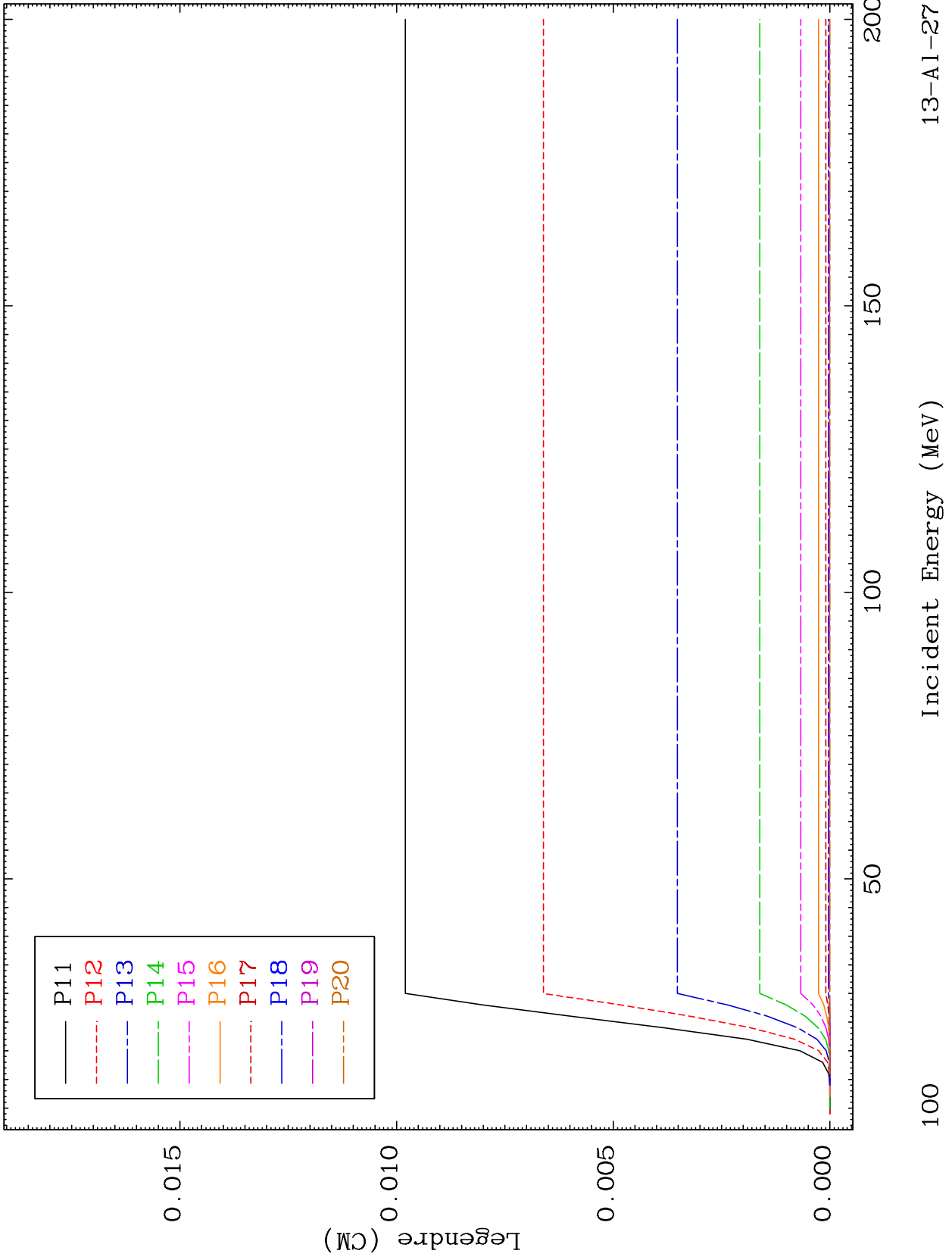
13-Al-27



MAT 1325

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

13-Al-27

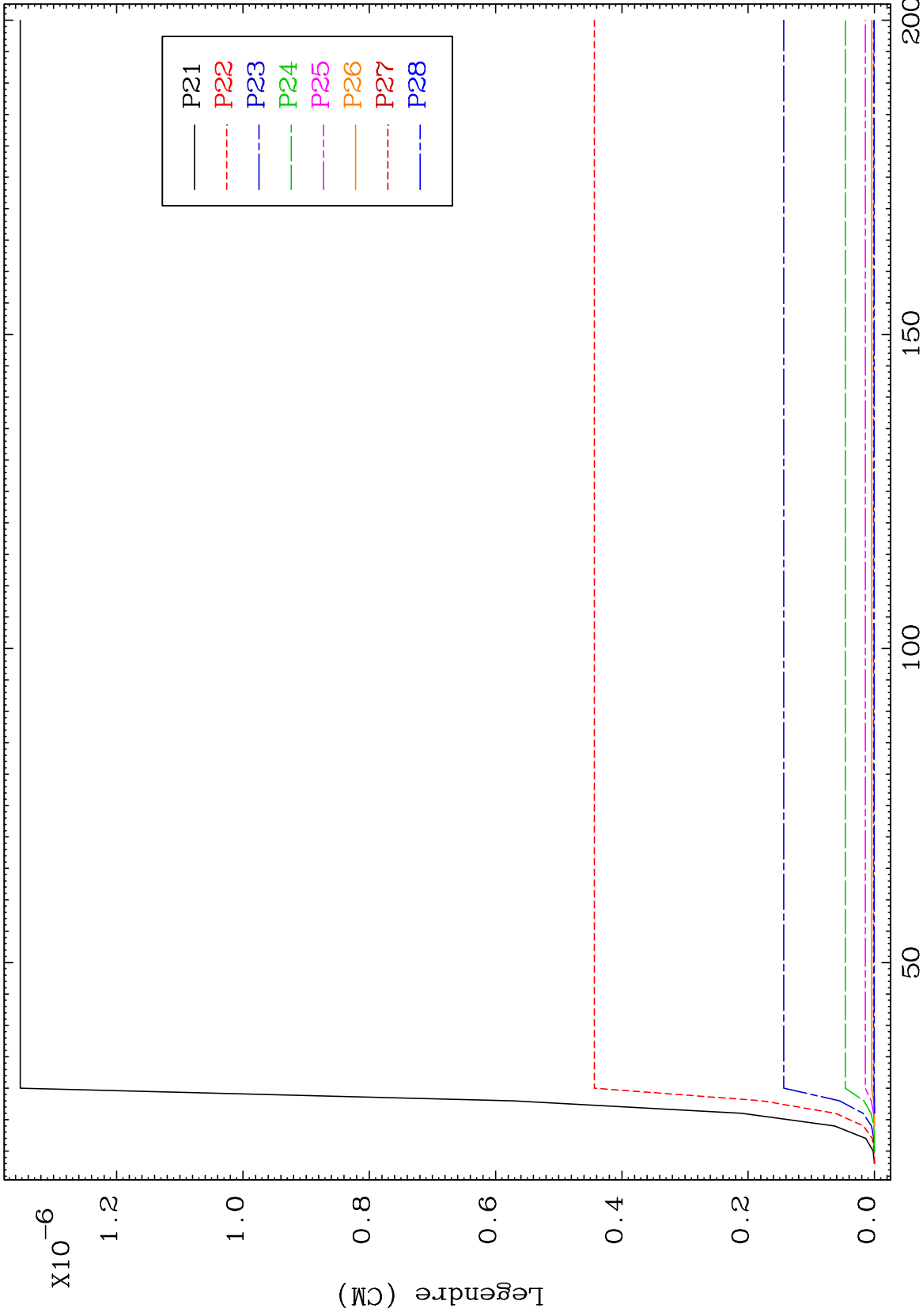


13-Al-27

MAT 1325

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

13-Al-27



101

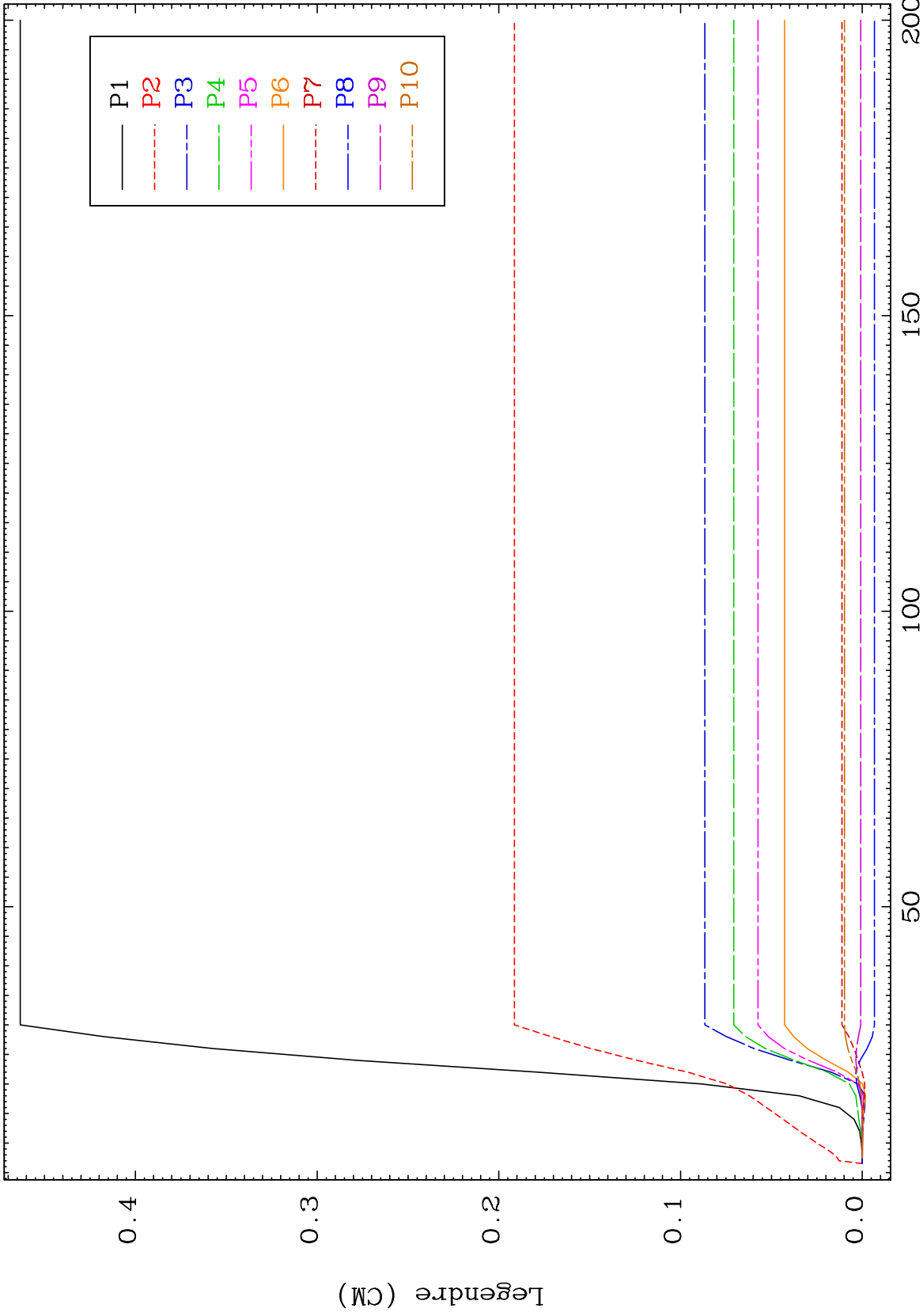
Incident Energy (MeV)

13-Al-27

MAT 1325

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

13-Al-27



102

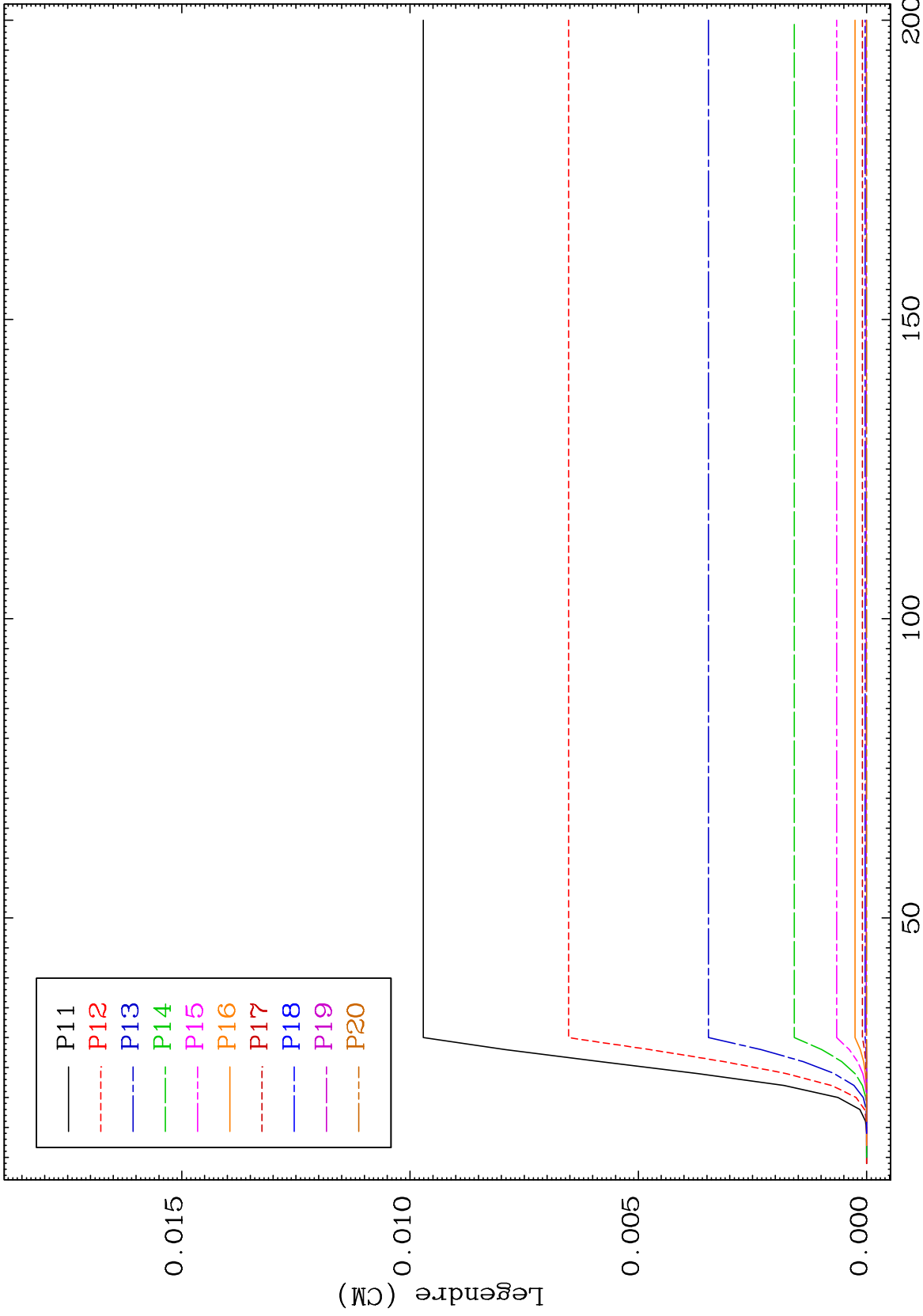
Incident Energy (MeV)

13-Al-27

MAT 1325

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

13-Al-27



103

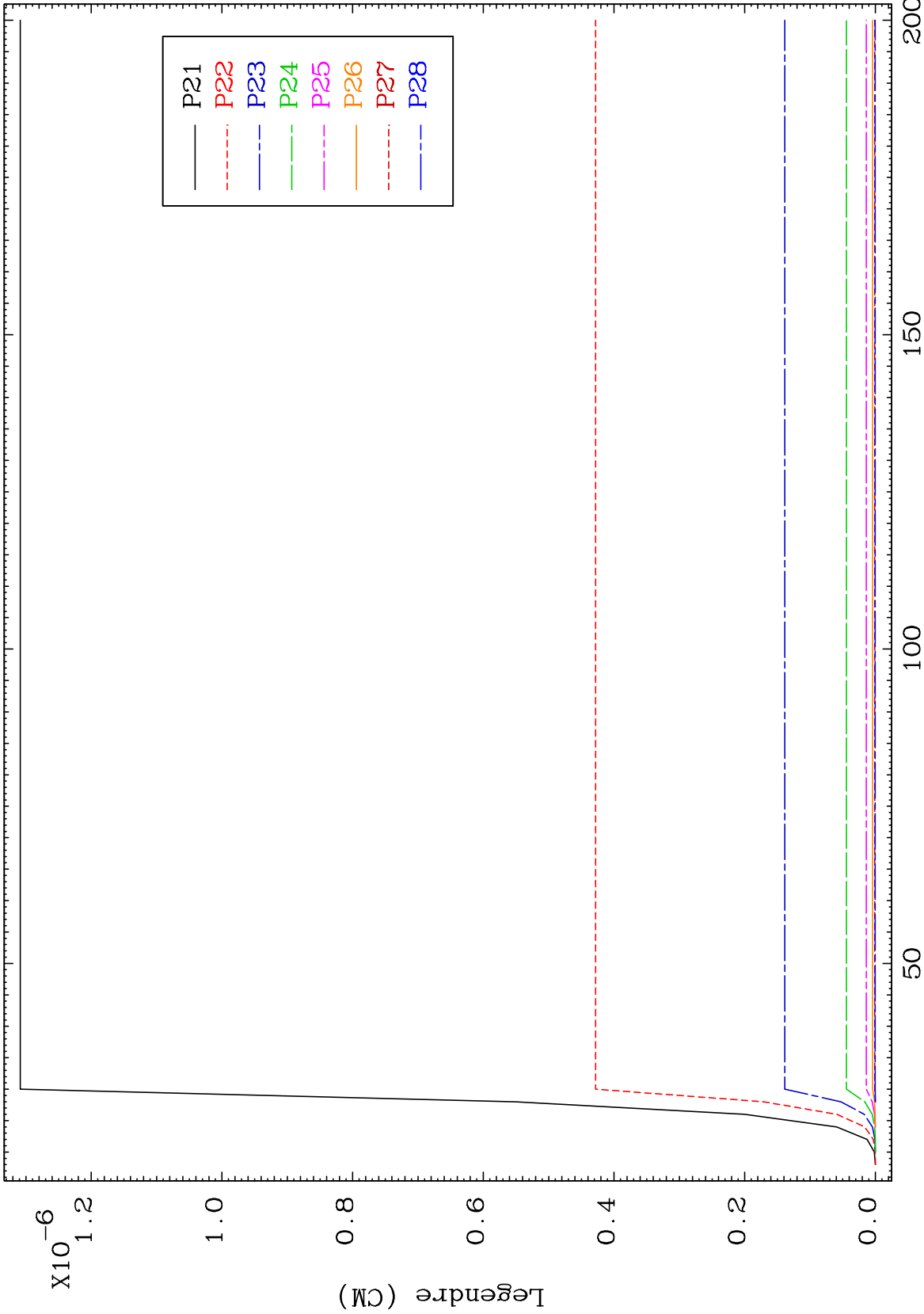
Incident Energy (MeV)

13-Al-27

MAT 1325

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

13-Al-27



104

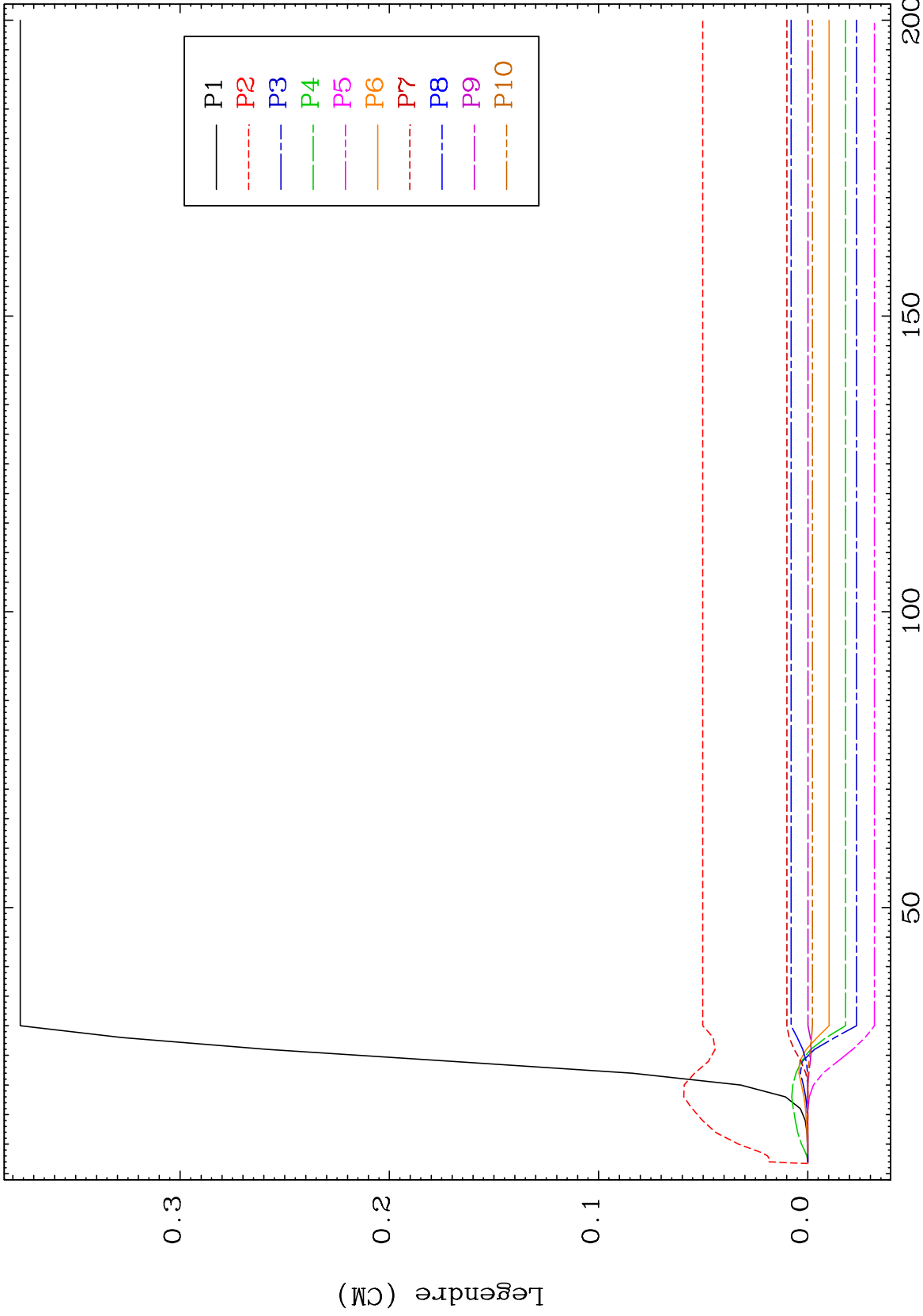
Incident Energy (MeV)

13-Al-27

MAT 1325

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

13-Al-27



105

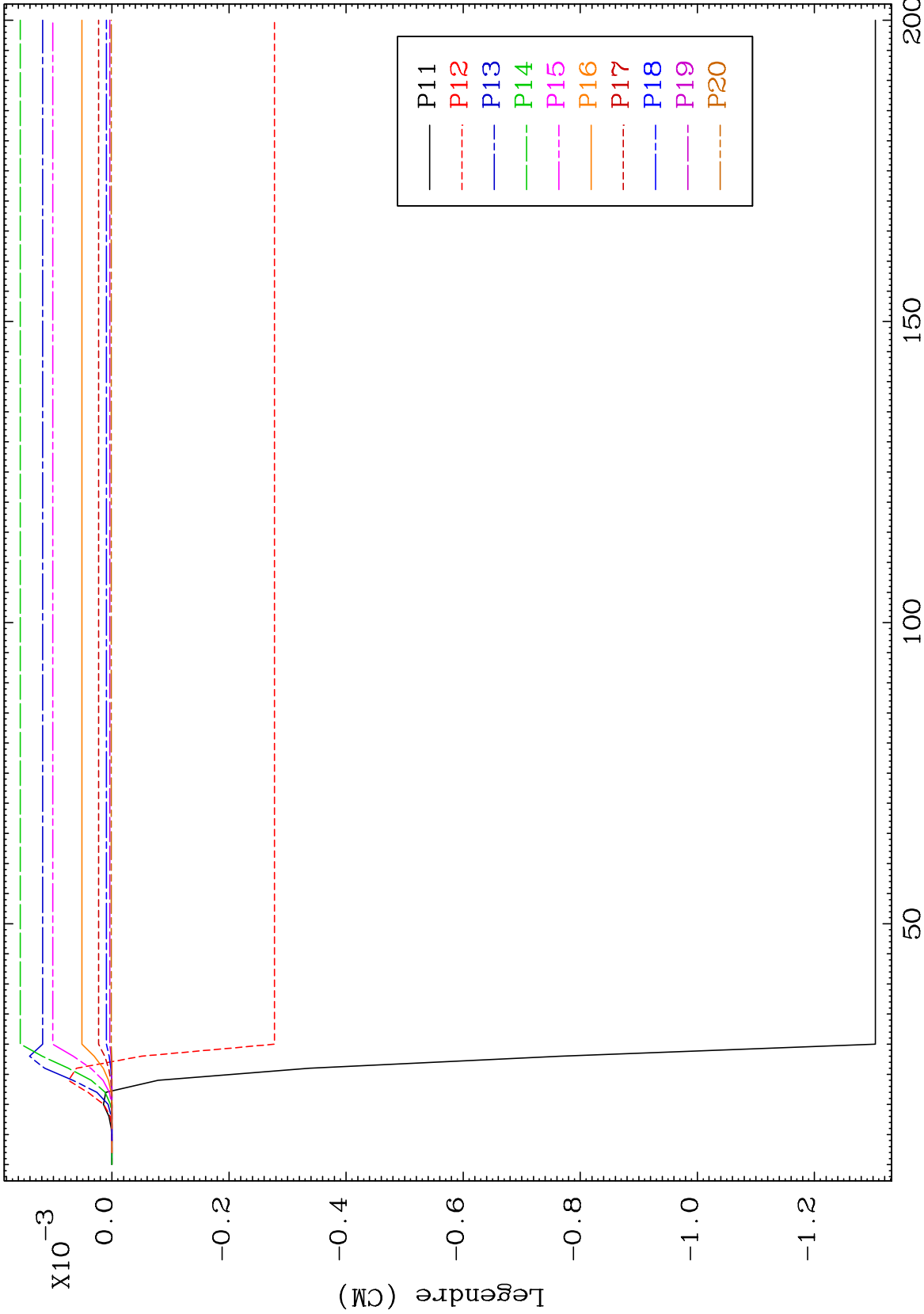
Incident Energy (MeV)

13-Al-27

MAT 1325

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

13-Al-27



106

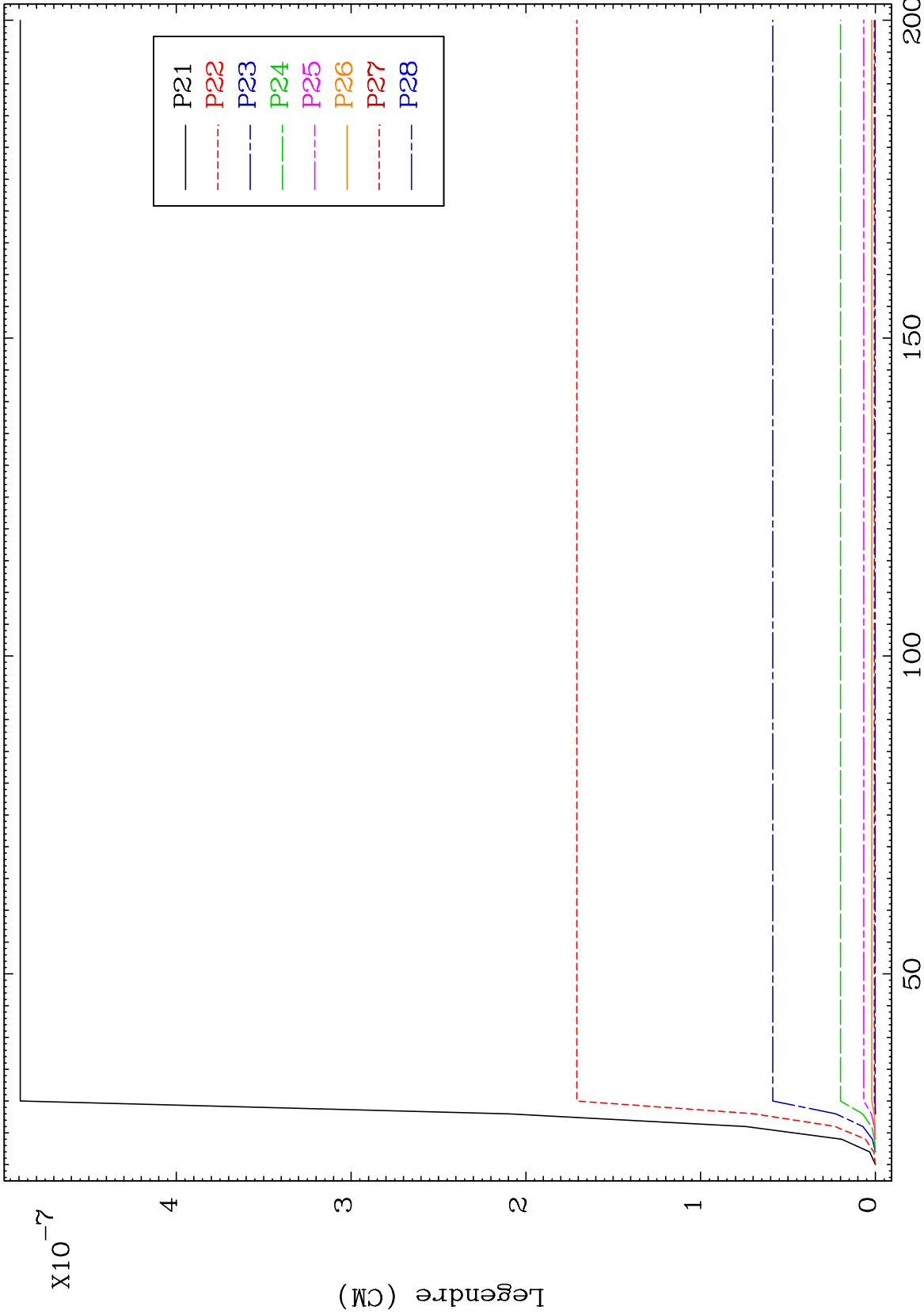
Incident Energy (MeV)

13-Al-27

MAT 1325

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

13-Al-27



107

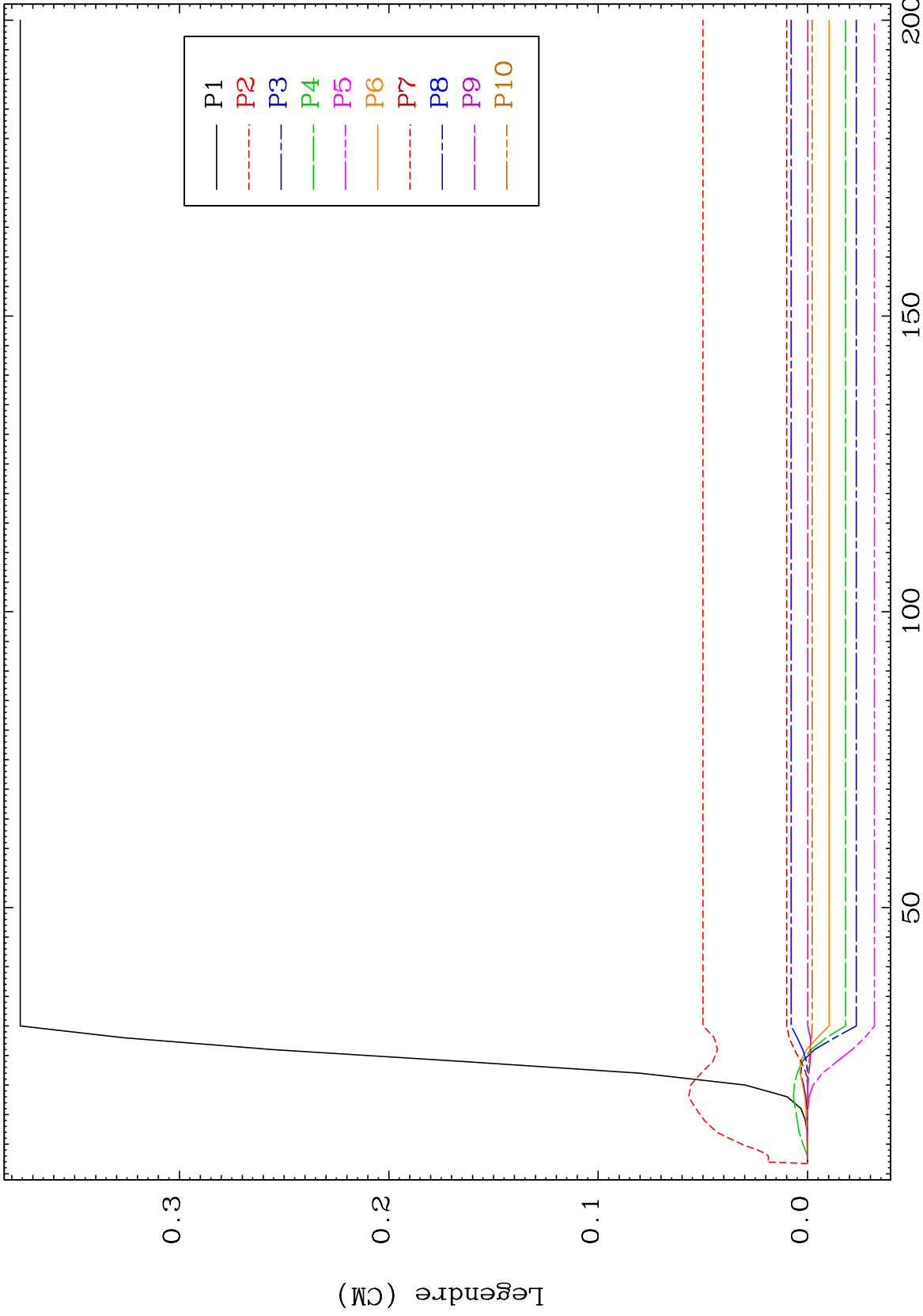
Incident Energy (MeV)

13-Al-27

MAT 1325

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

13-Al-27



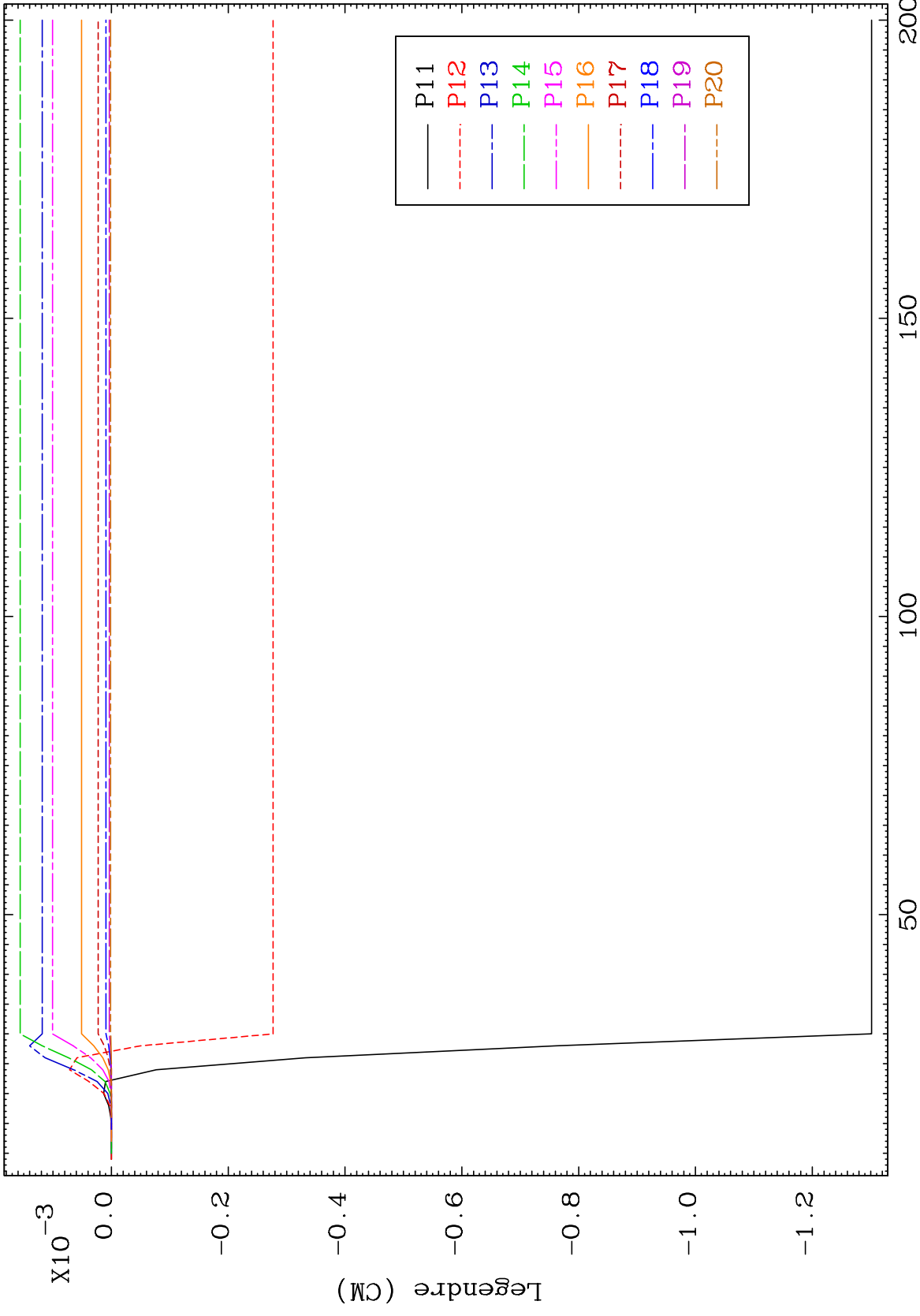
108

13-Al-27

MAT 1325

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

13-Al-27



109

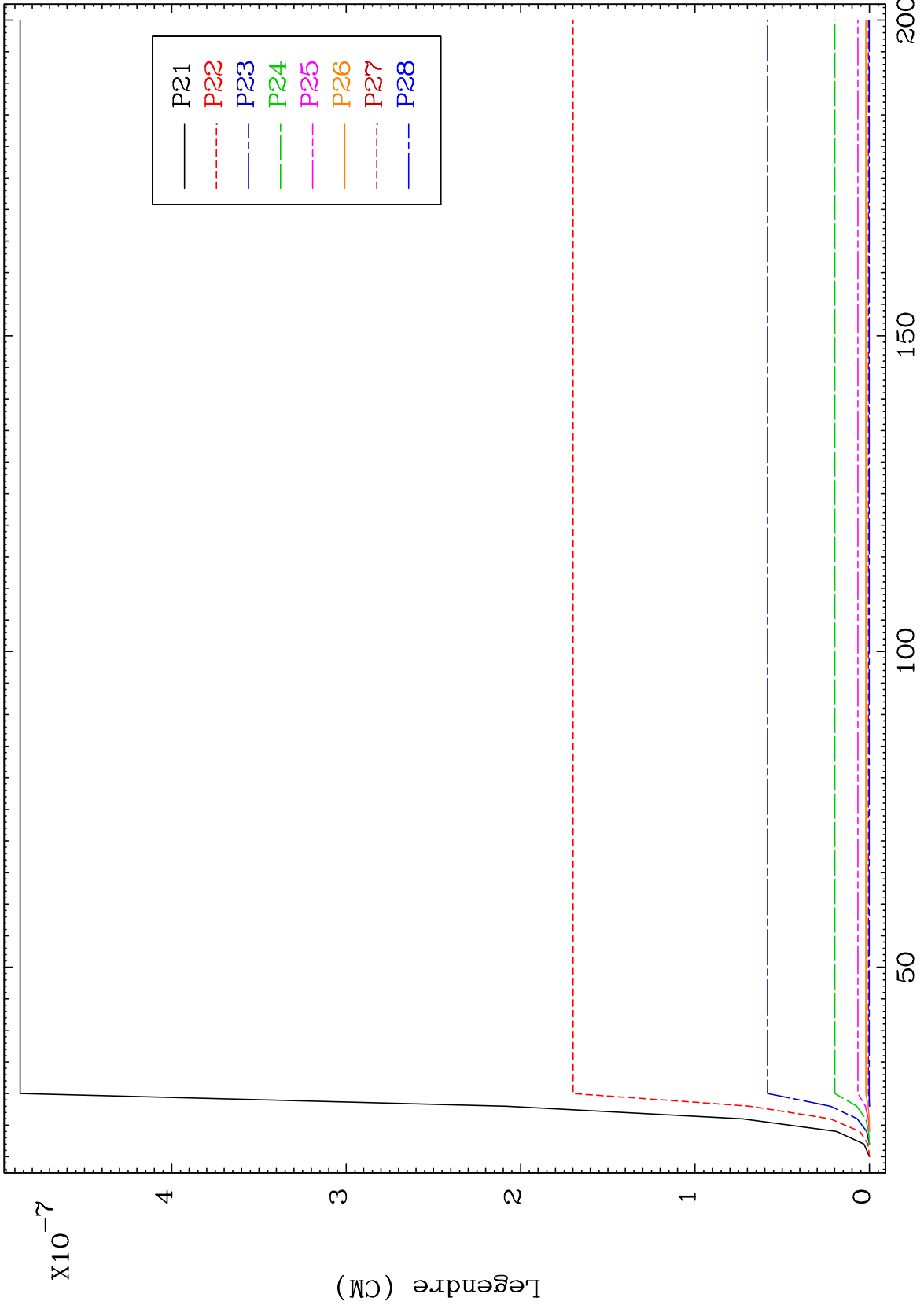
Incident Energy (MeV)

13-Al-27

MAT 1325

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

13-Al-27



110

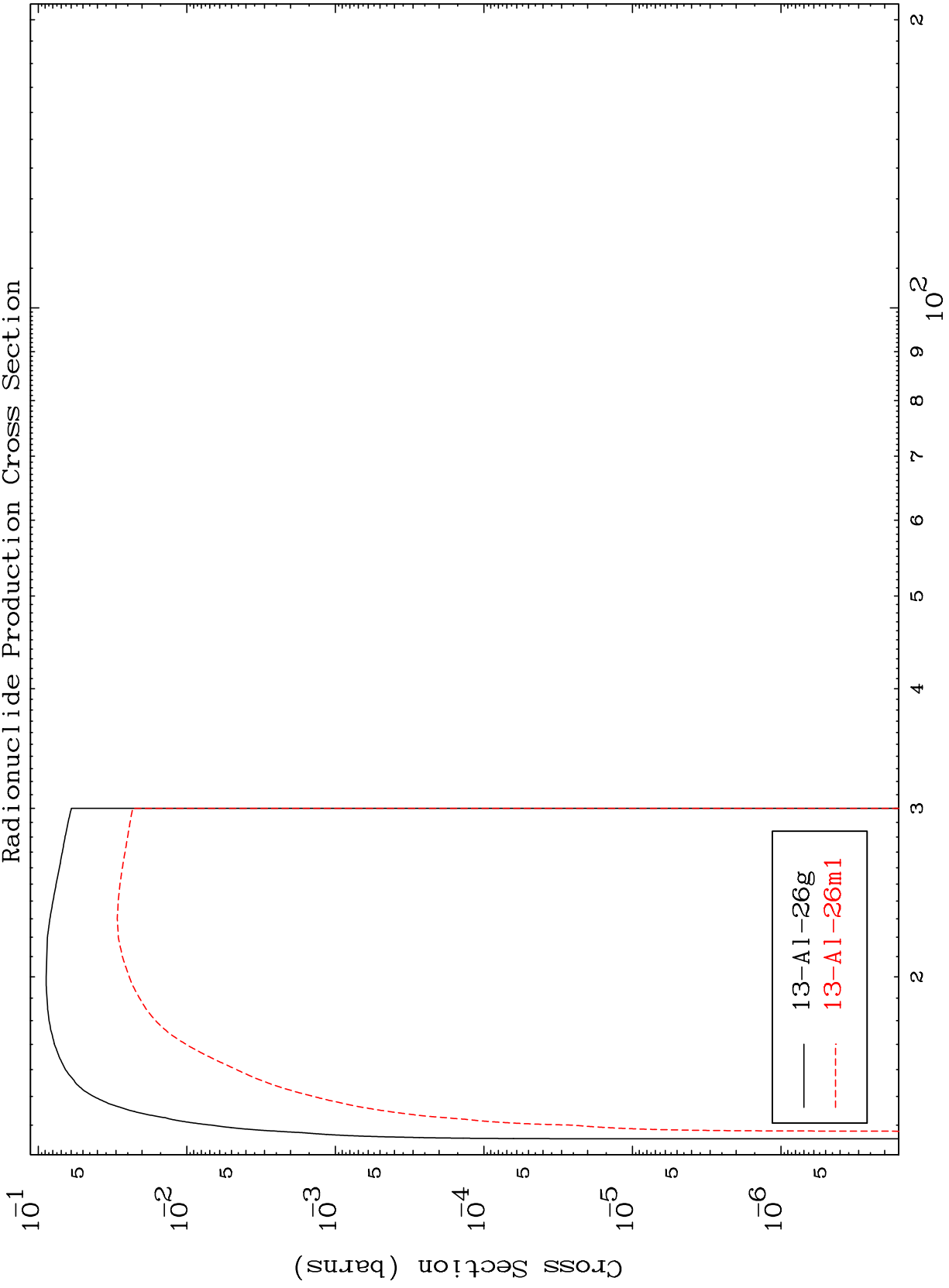
Incident Energy (MeV)

13-Al-27

MAT 1325

13-Al-27

(n,2n)
Radionuclide Production Cross Section



111

13-Al-27