

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

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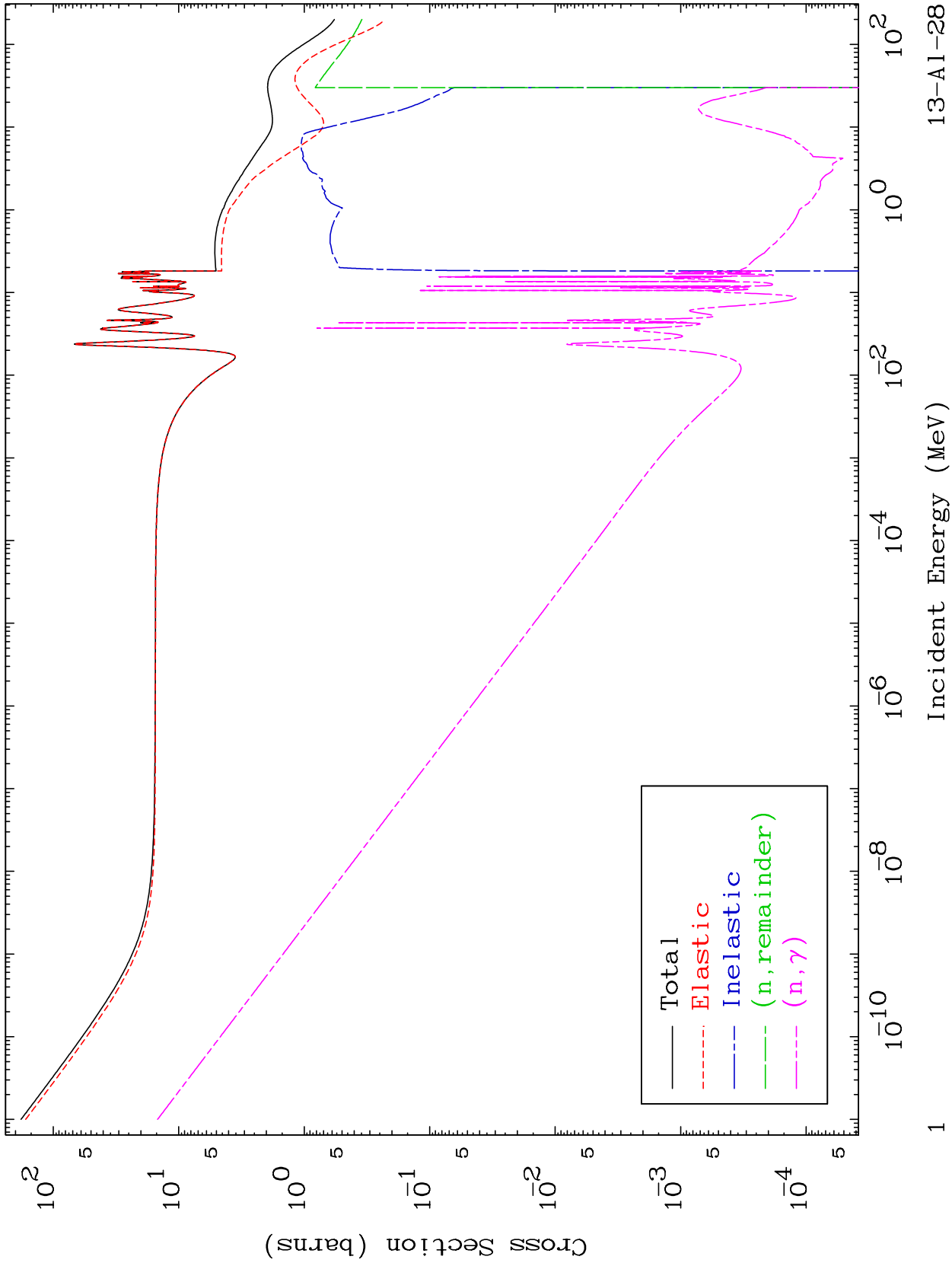
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 1328

Major
293 Kelvin Cross Sections

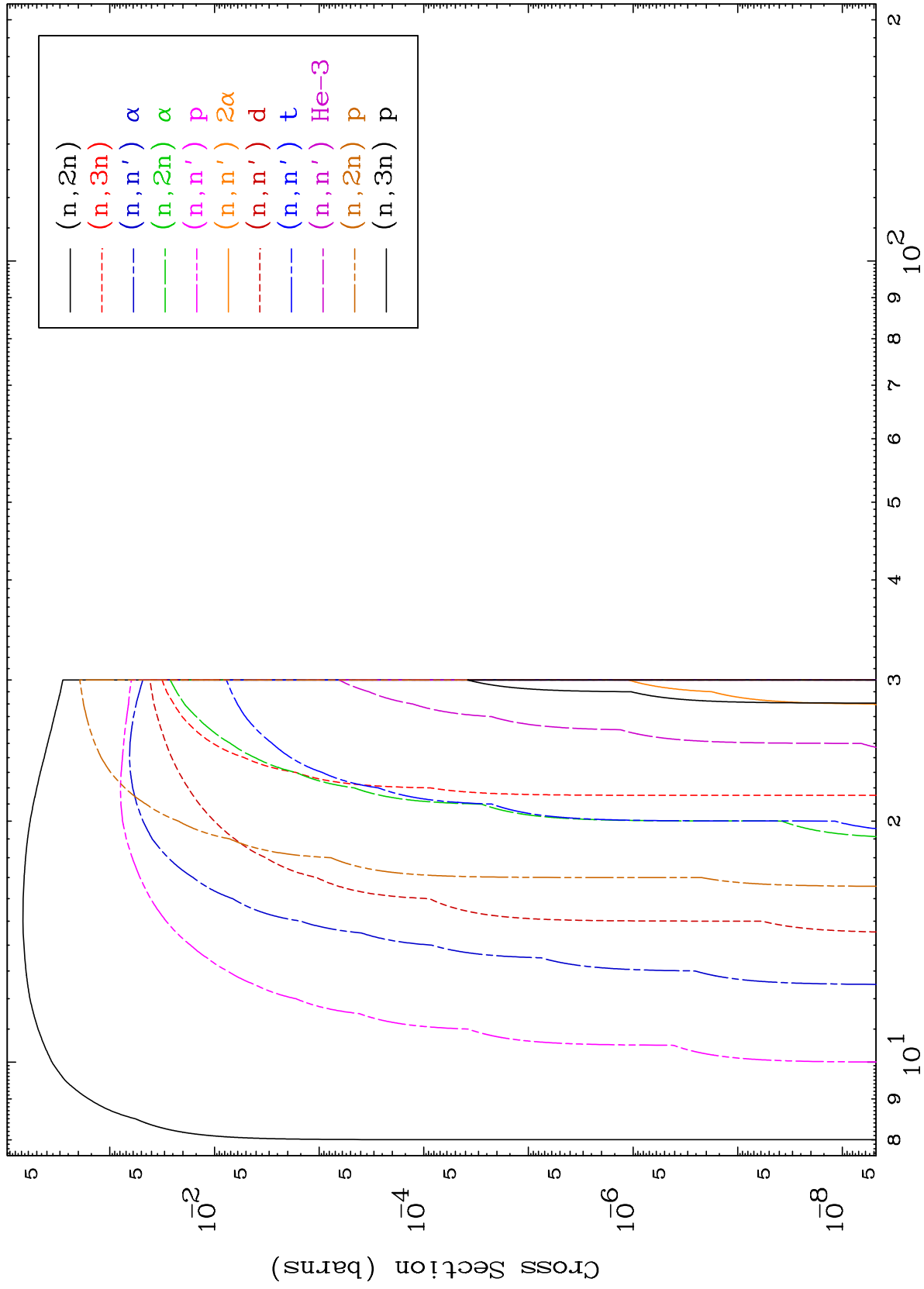
13-Al-28



MAT 1328

Neutron Production
293 Kelvin Cross Sections

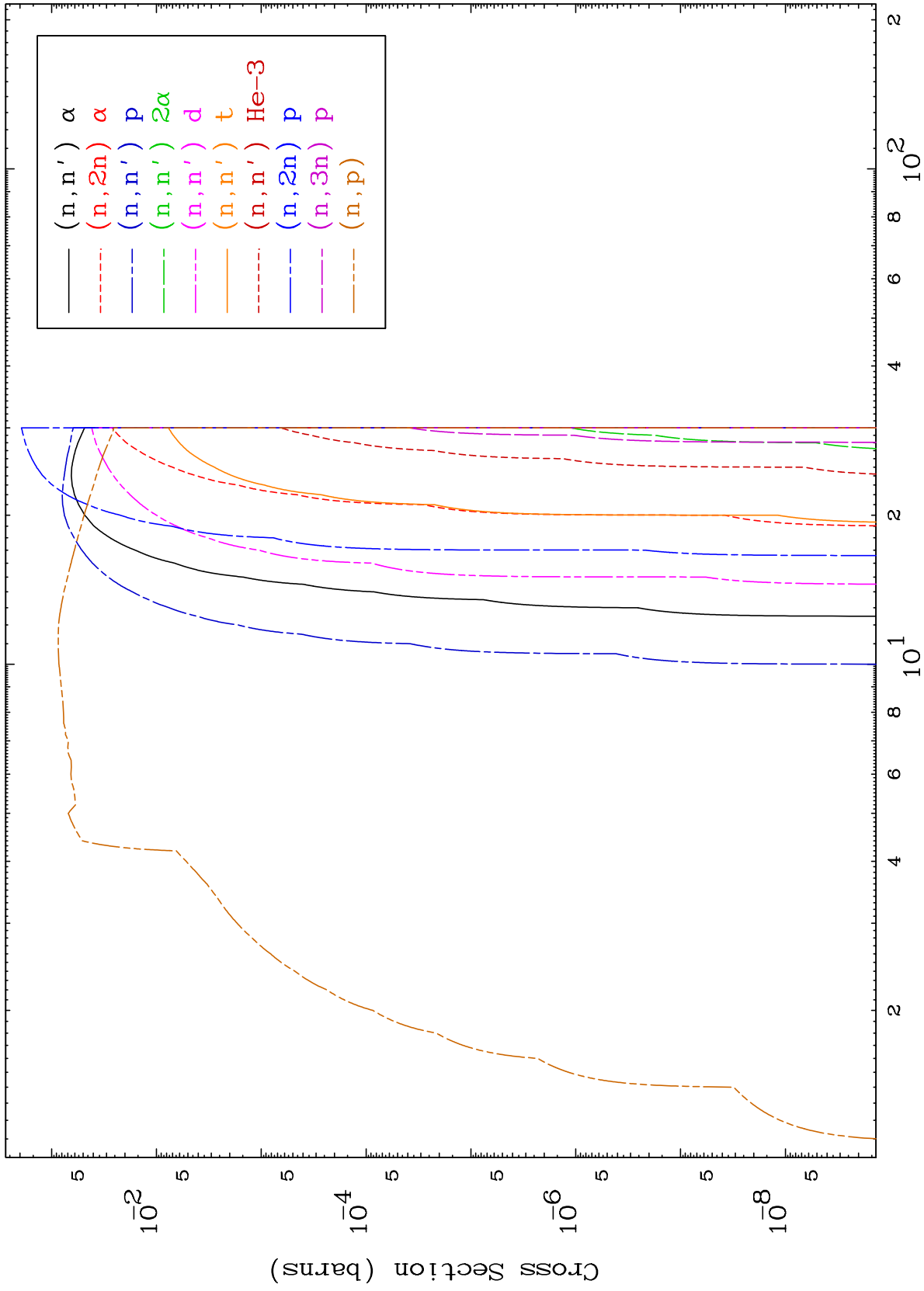
13-Al-28

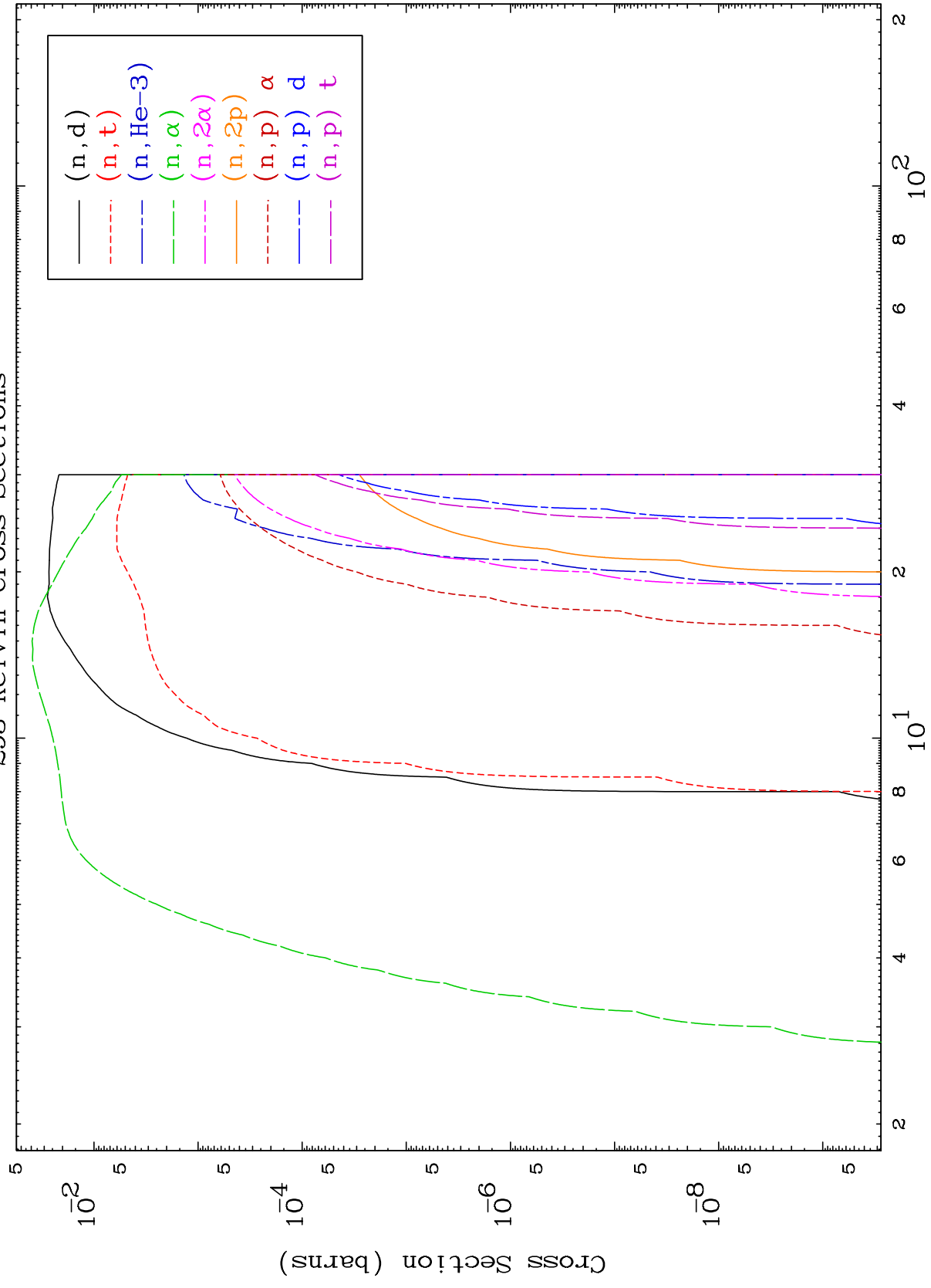


2

Incident Energy (MeV)

13-Al-28

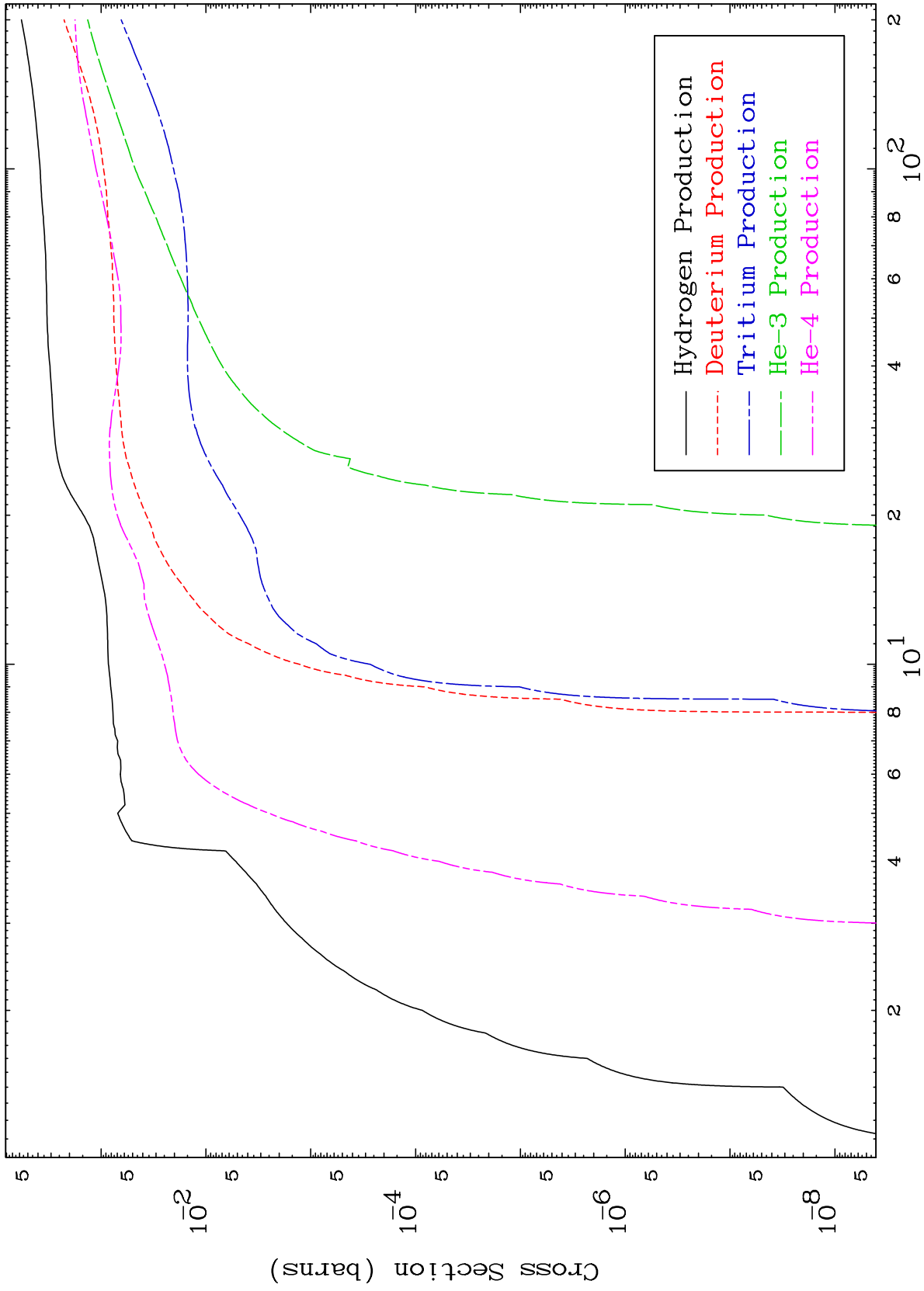




MAT 1328

Particle Production
293 Kelvin Cross Sections

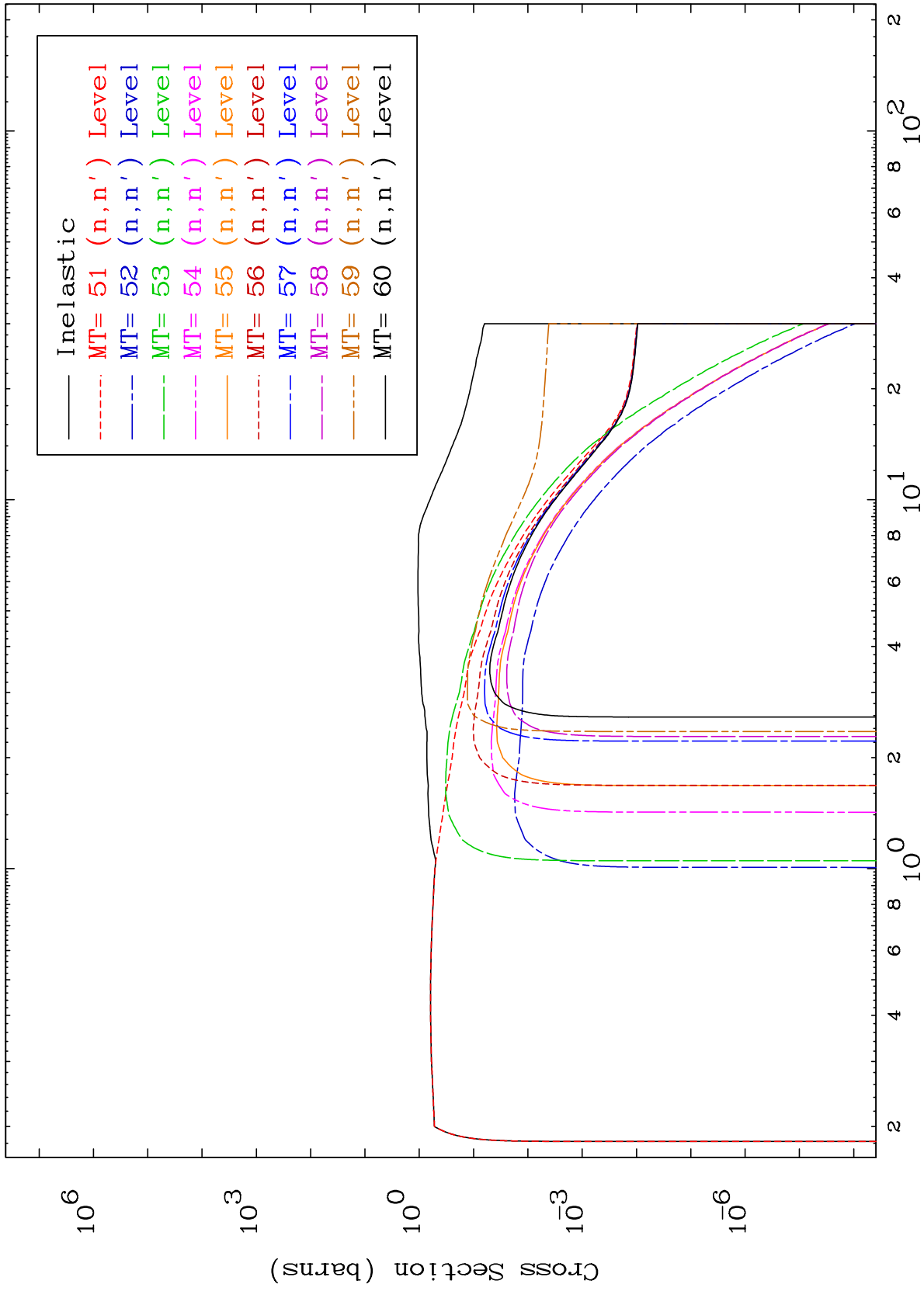
13-Al-28



5

Incident Energy (MeV)

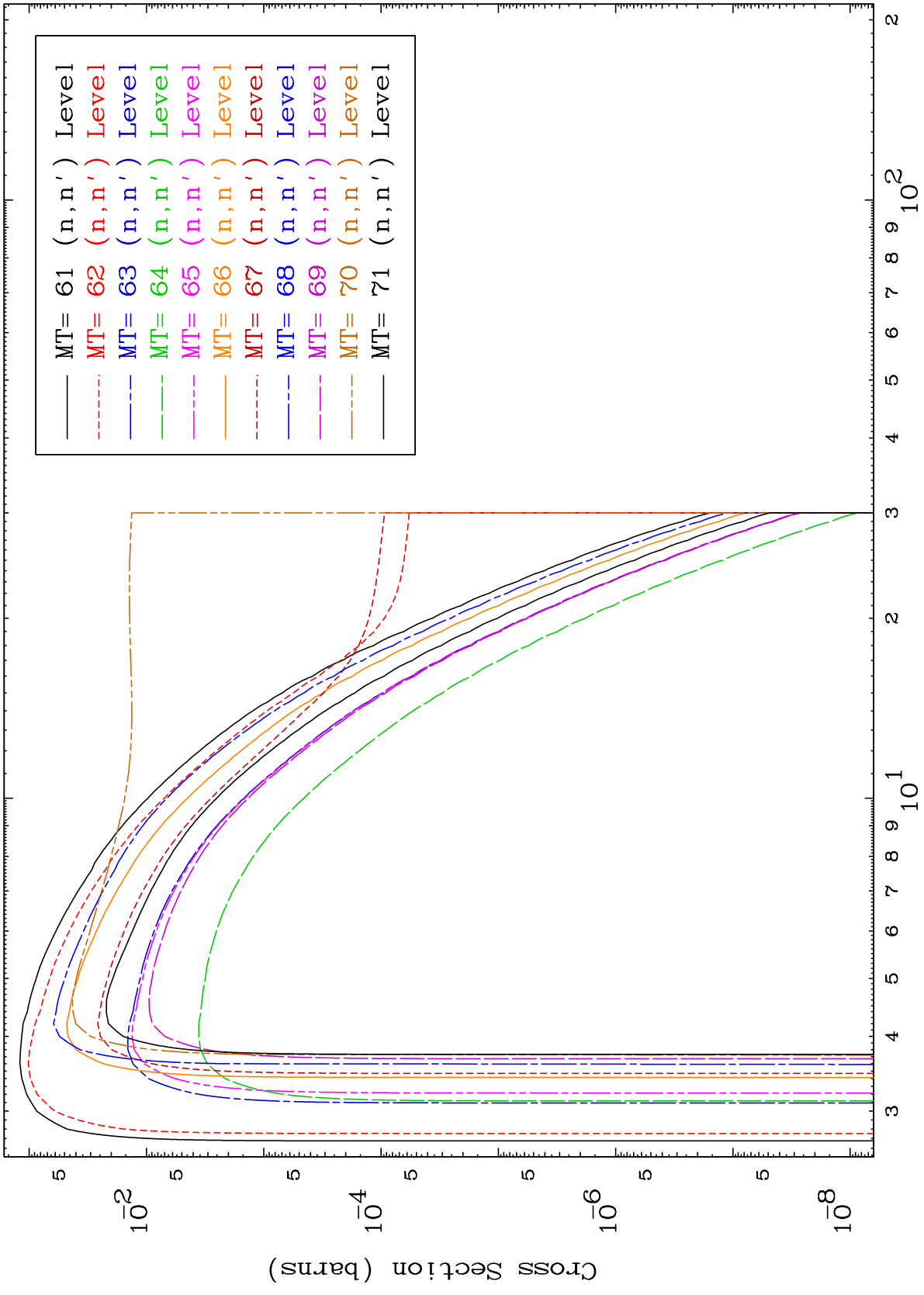
13-Al-28



MAT 1328

(n,n') Level
293 Kelvin Cross Sections

13-Al-28



7

Incident Energy (MeV)

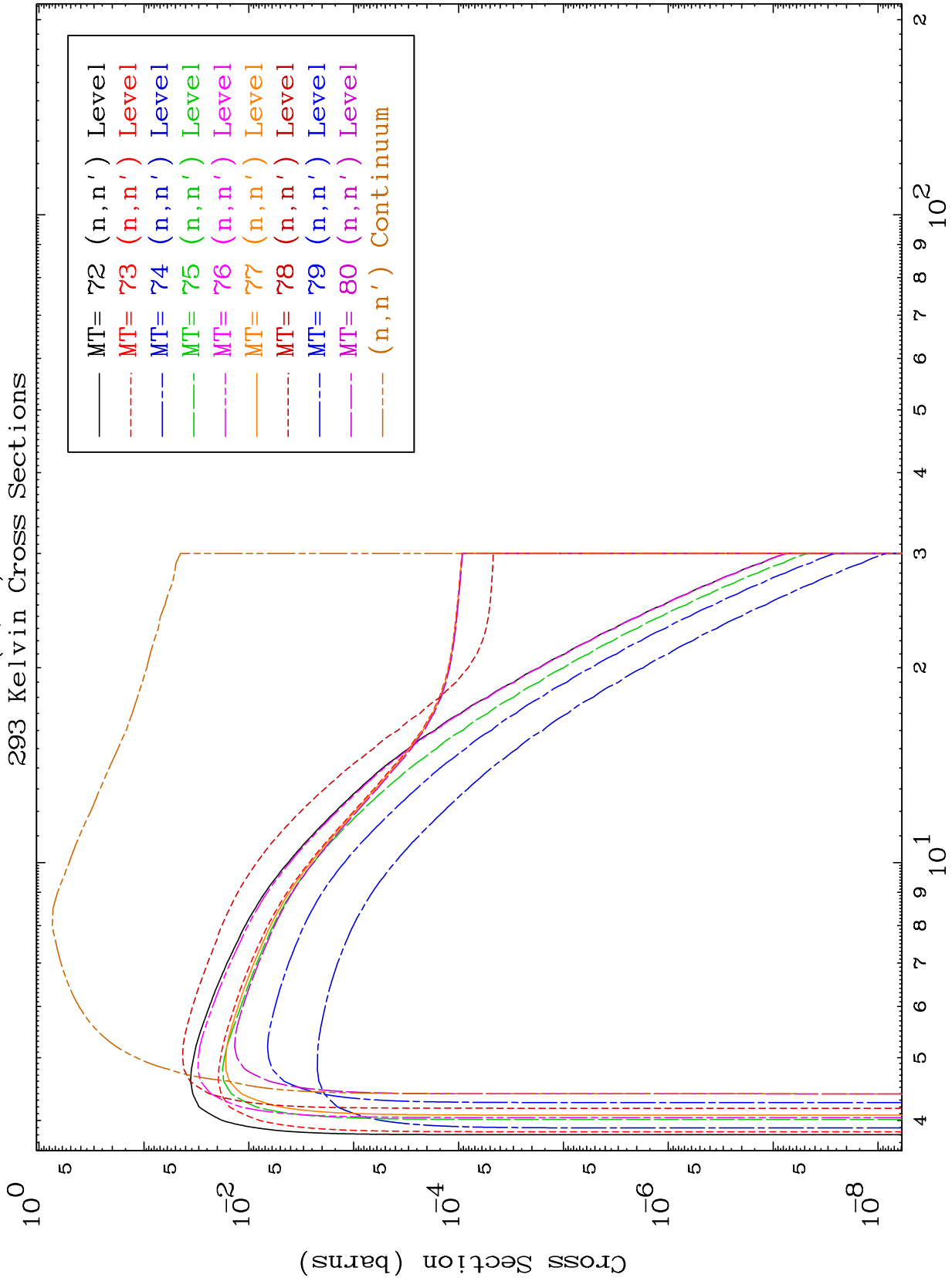
13-Al-28

MAT 1328

(n,n') Level

13-Al-28

293 Kelvin Cross Sections



8

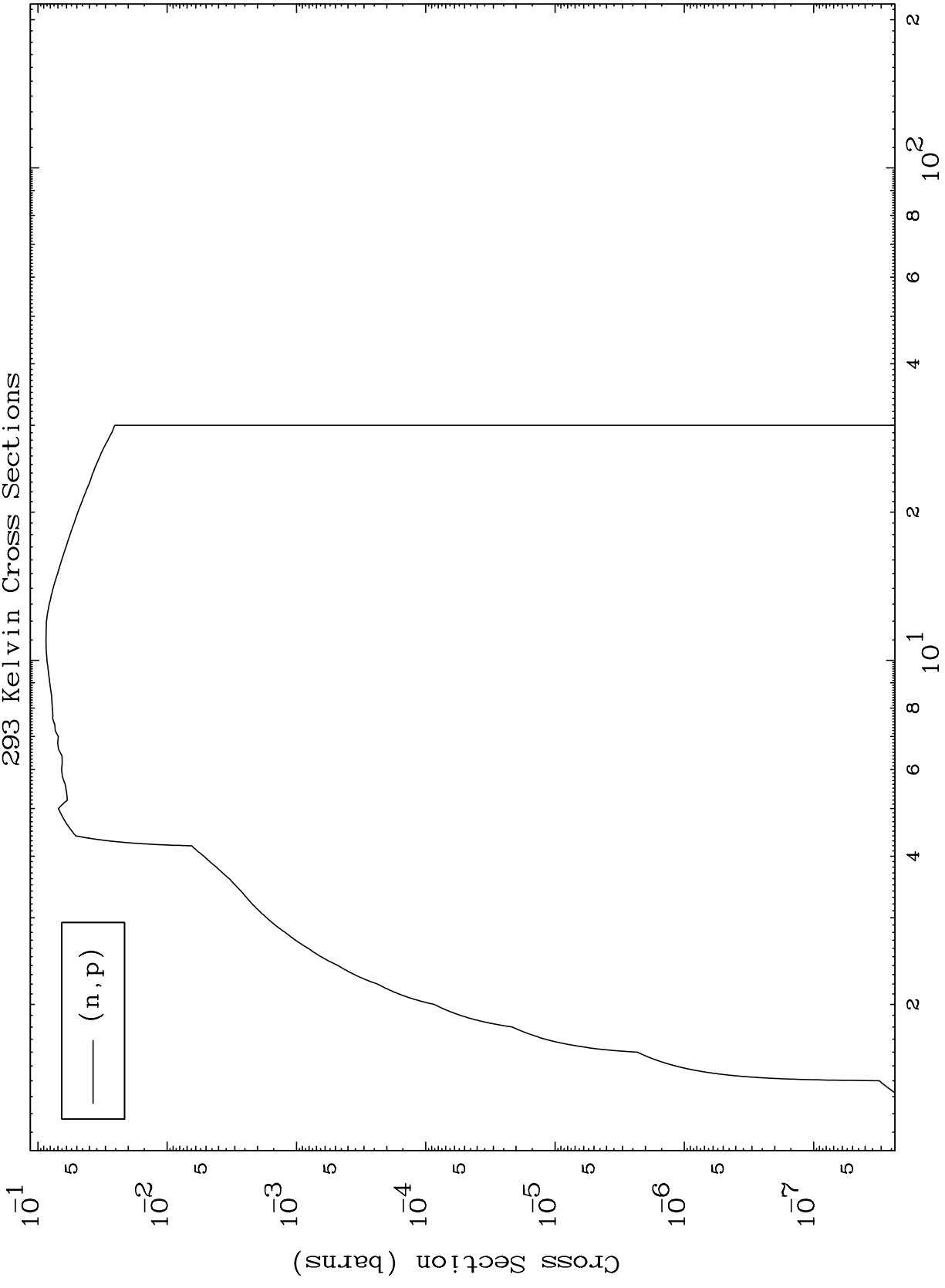
Incident Energy (MeV)

13-Al-28

MAT 1328

(n,p) Levels
293 Kelvin Cross Sections

13-Al-28



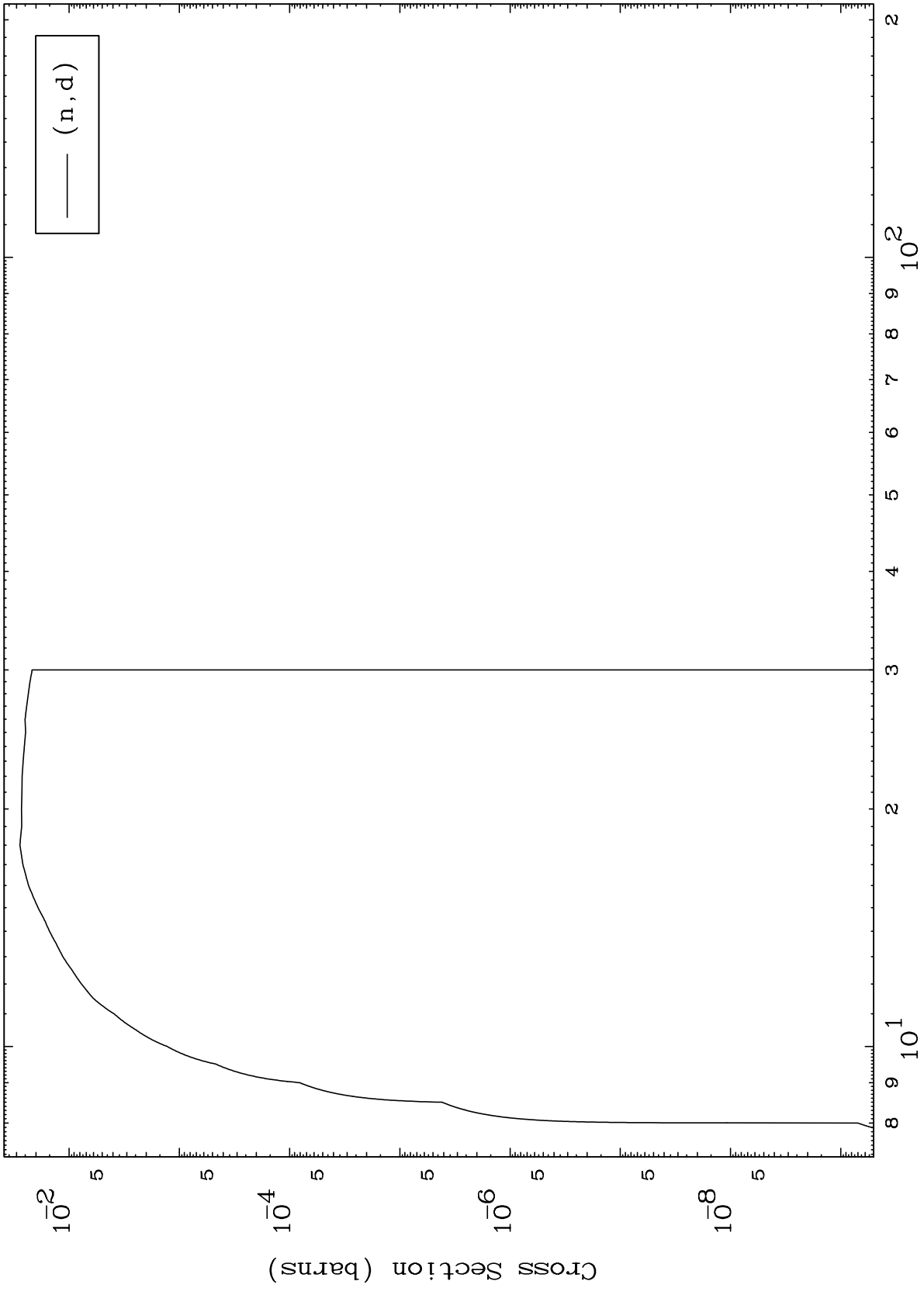
(n,p)

13-Al-28

MAT 1328

(n,d) Levels
293 Kelvin Cross Sections

13-Al-28



10

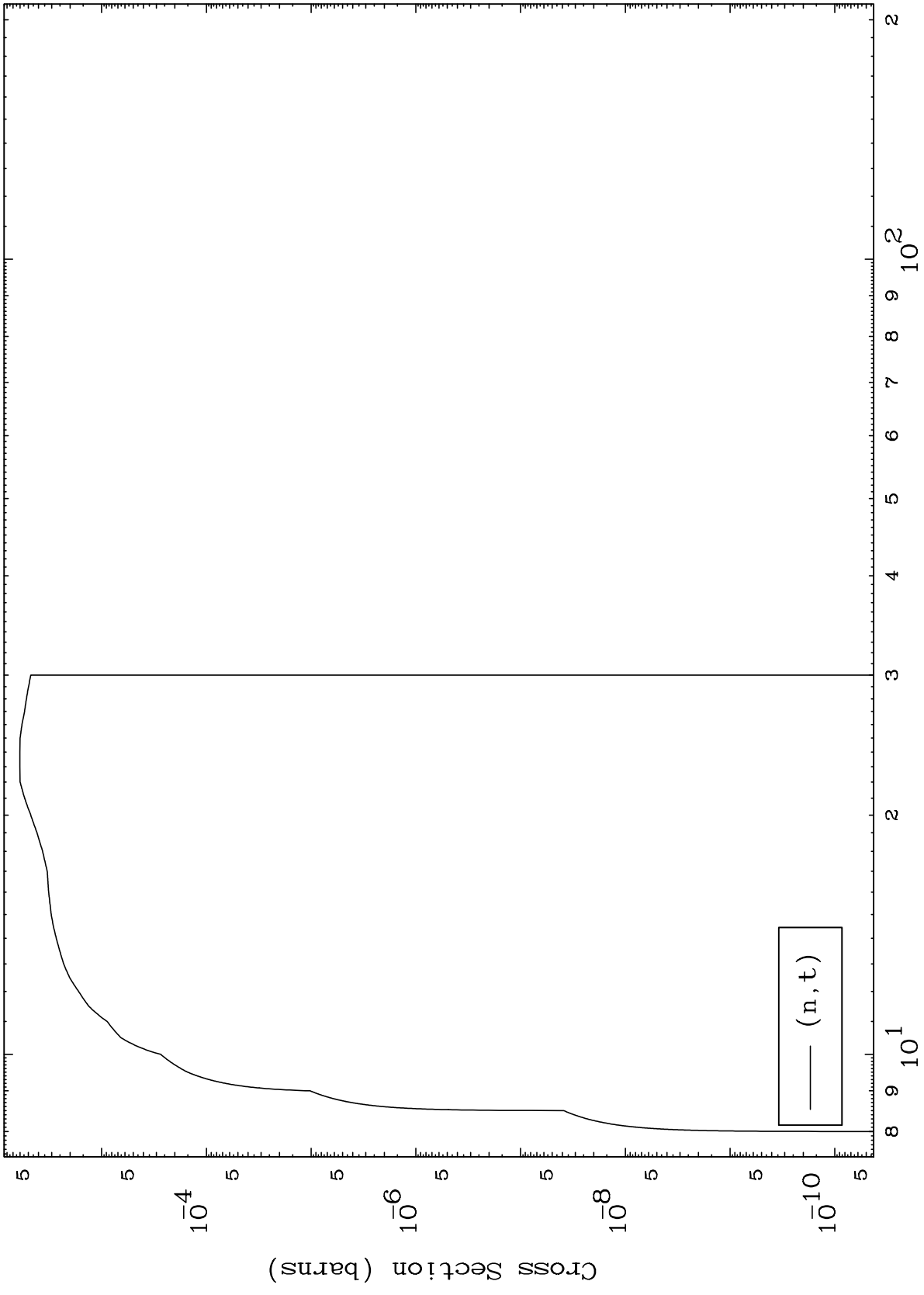
Incident Energy (MeV)

13-Al-28

MAT 1328

(n,t) Levels
293 Kelvin Cross Sections

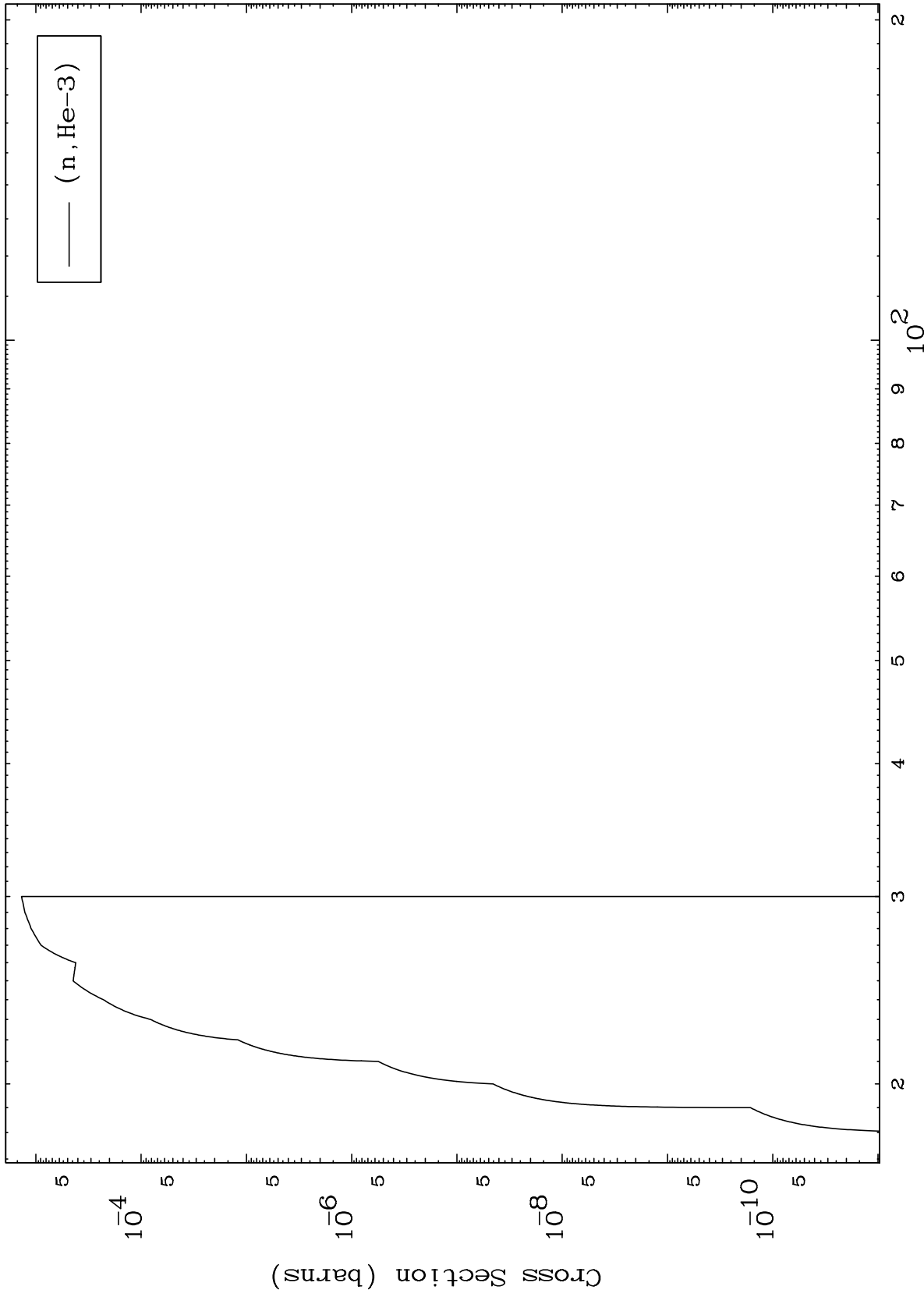
13-Al-28



11

Incident Energy (MeV)

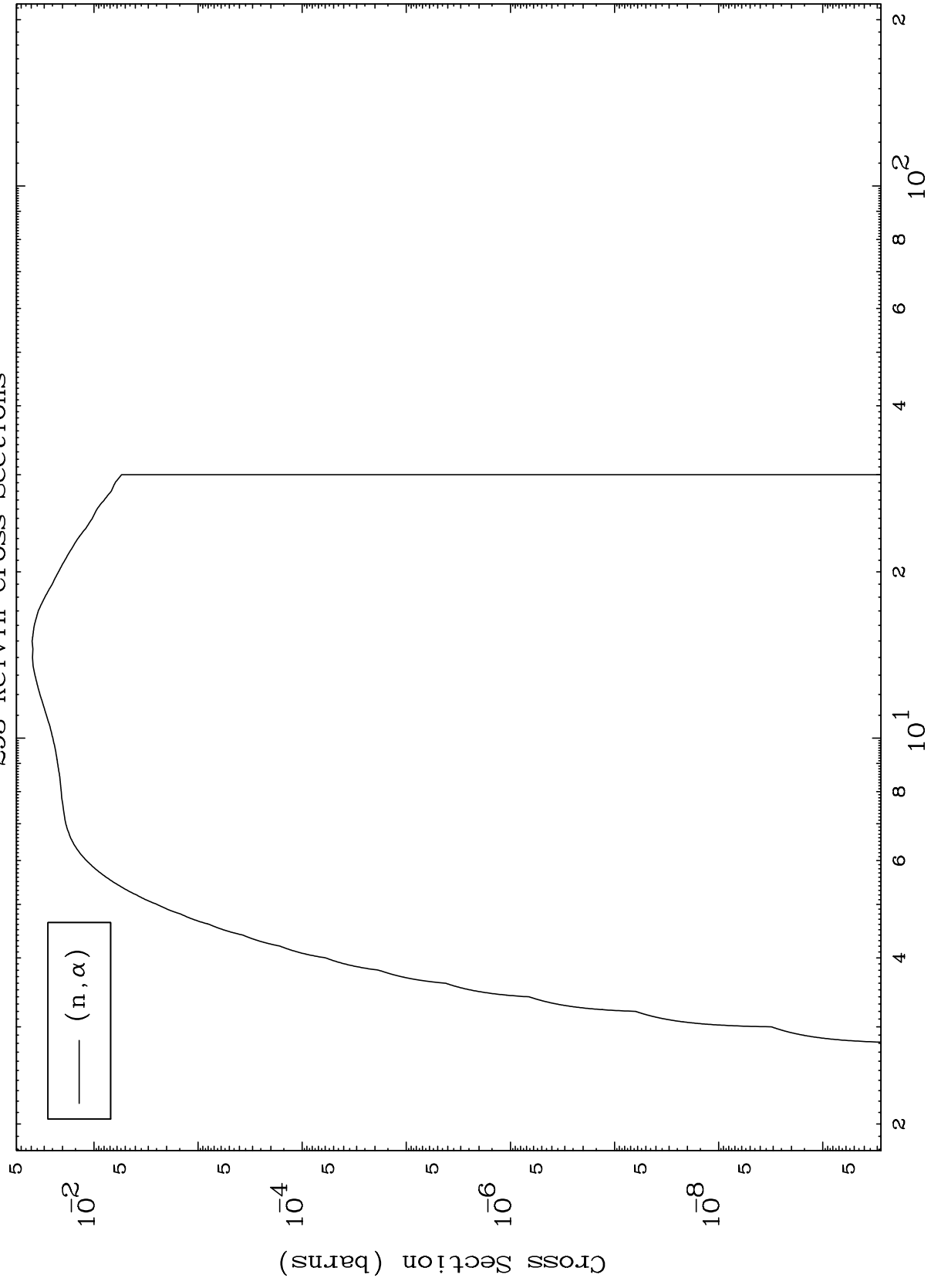
13-Al-28



MAT 1328

(n,α) Levels
293 Kelvin Cross Sections

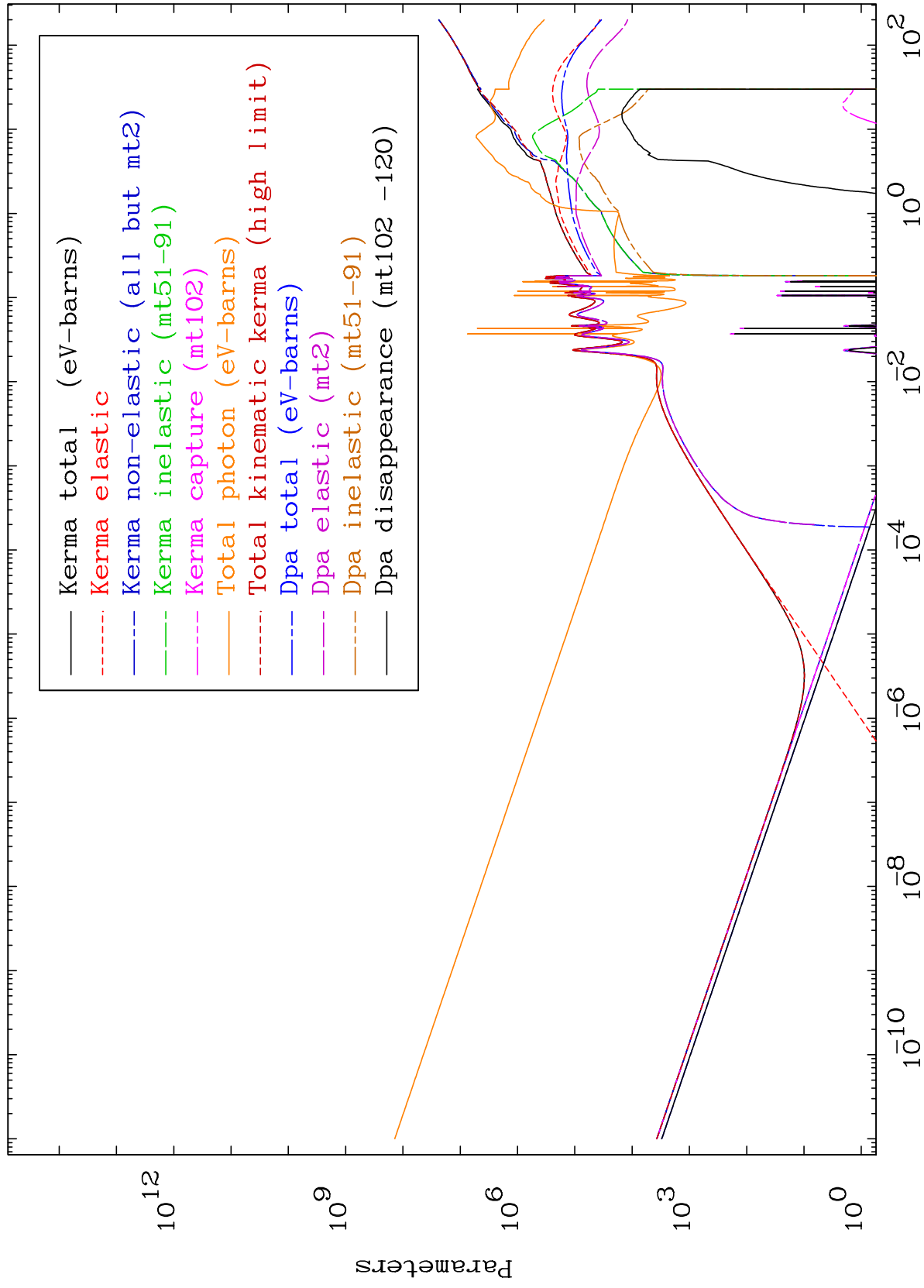
13-Al-28



13

Incident Energy (MeV)

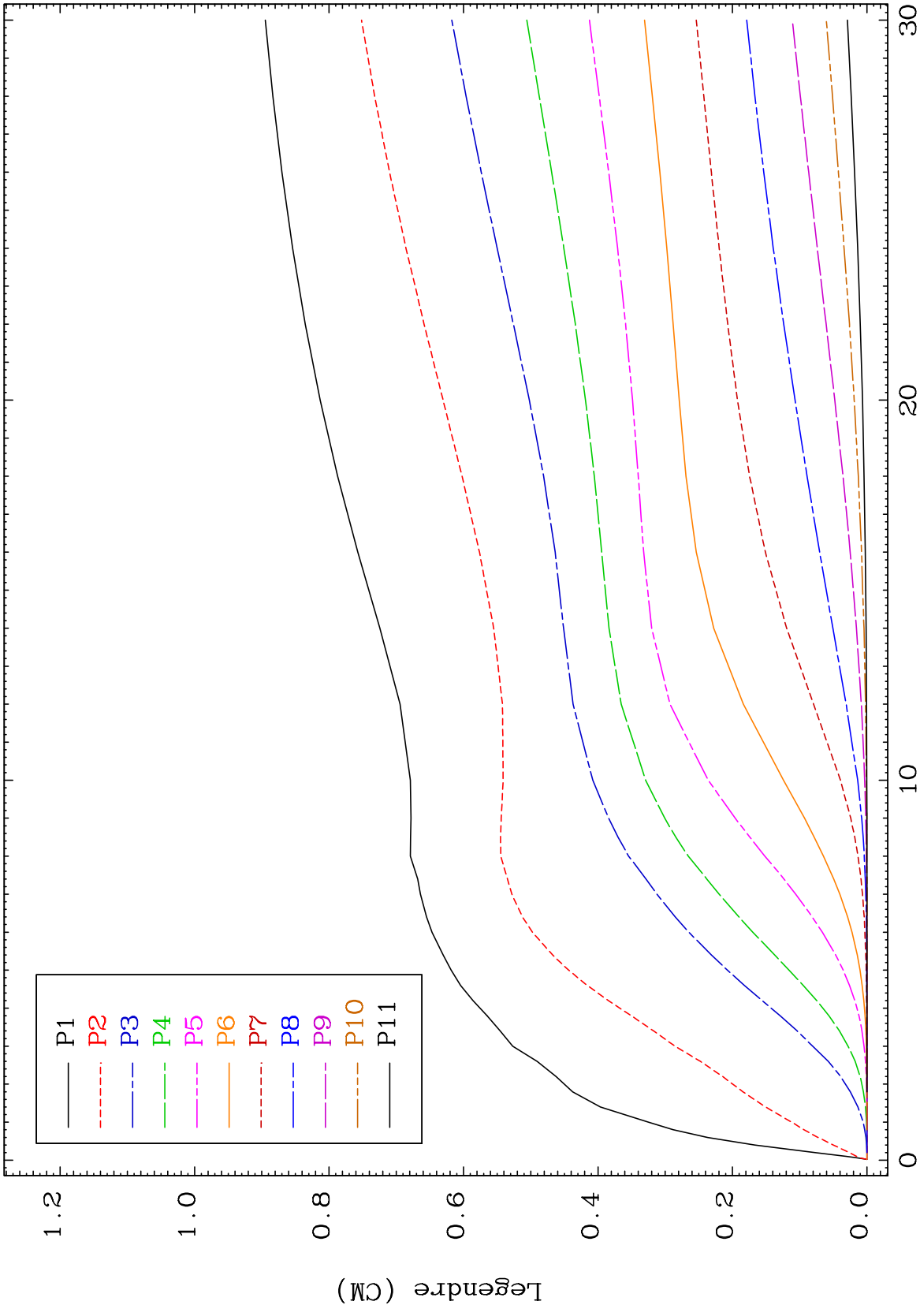
13-Al-28



MAT 1328

Elastic Legendre Coefficients

13-Al-28

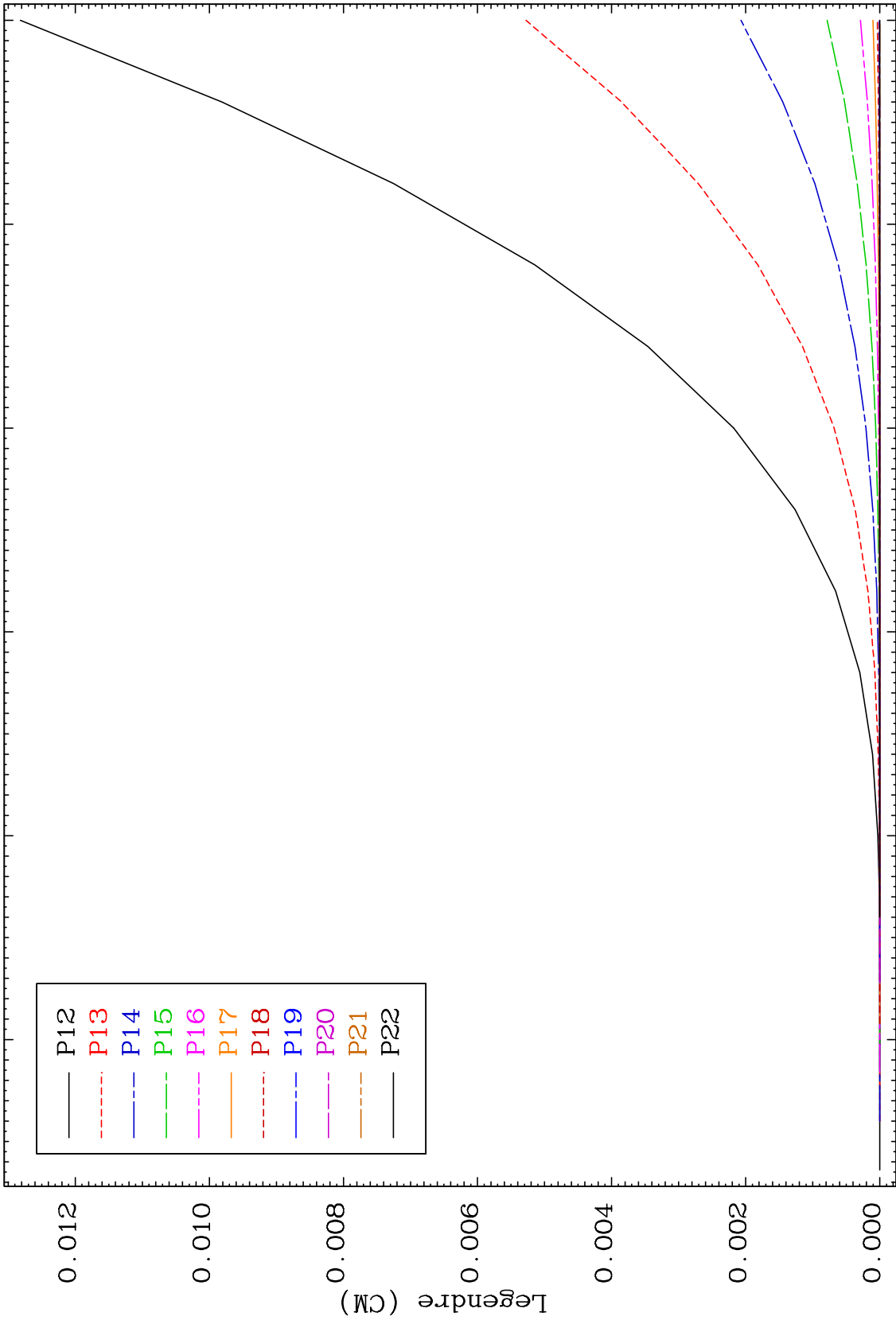


15

Incident Energy (MeV)

13-Al-28

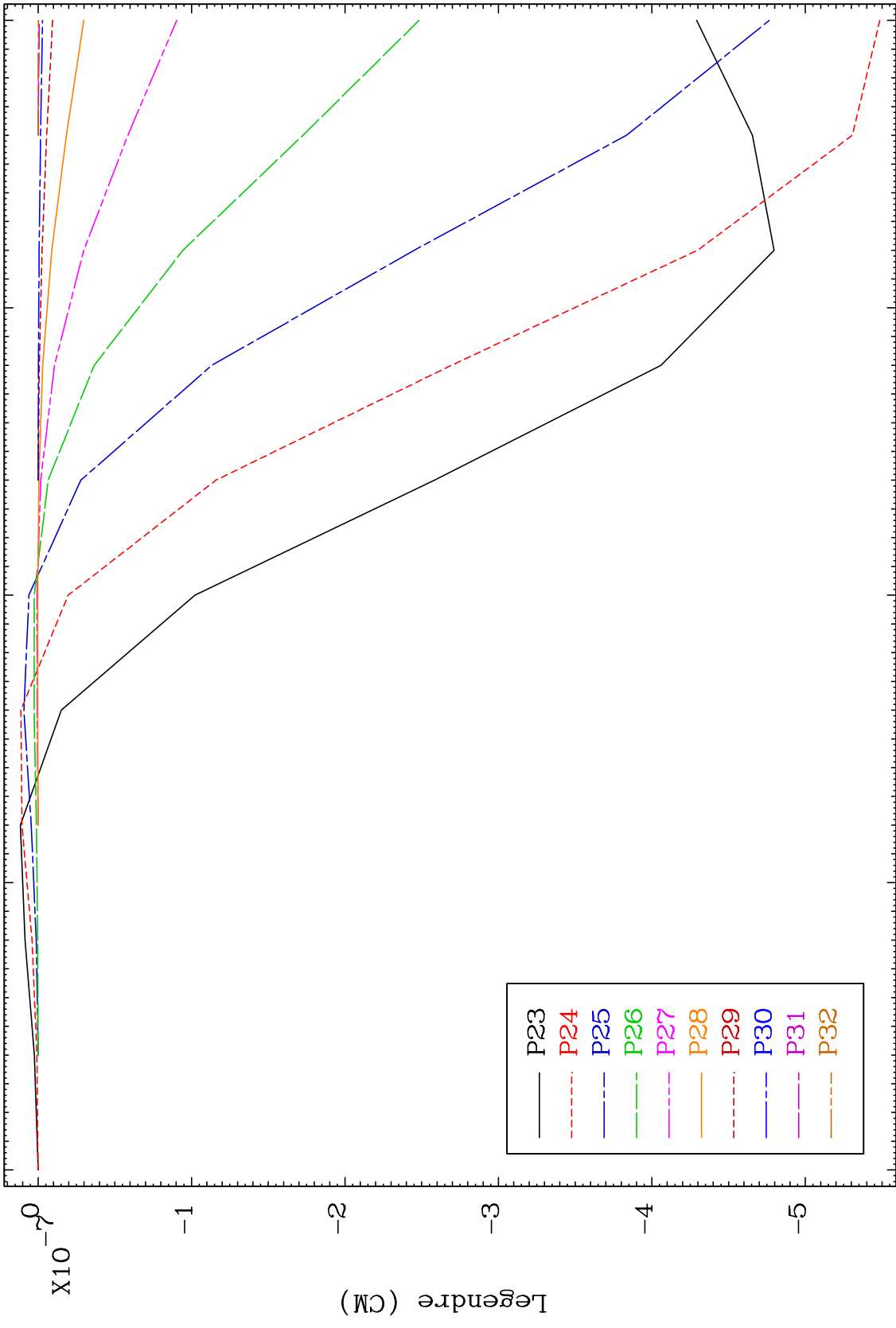
Elastic Legendre Coefficients



MAT 1328

Elastic Legendre Coefficients

13-Al-28



X10⁻⁹

10

15

20

25

30

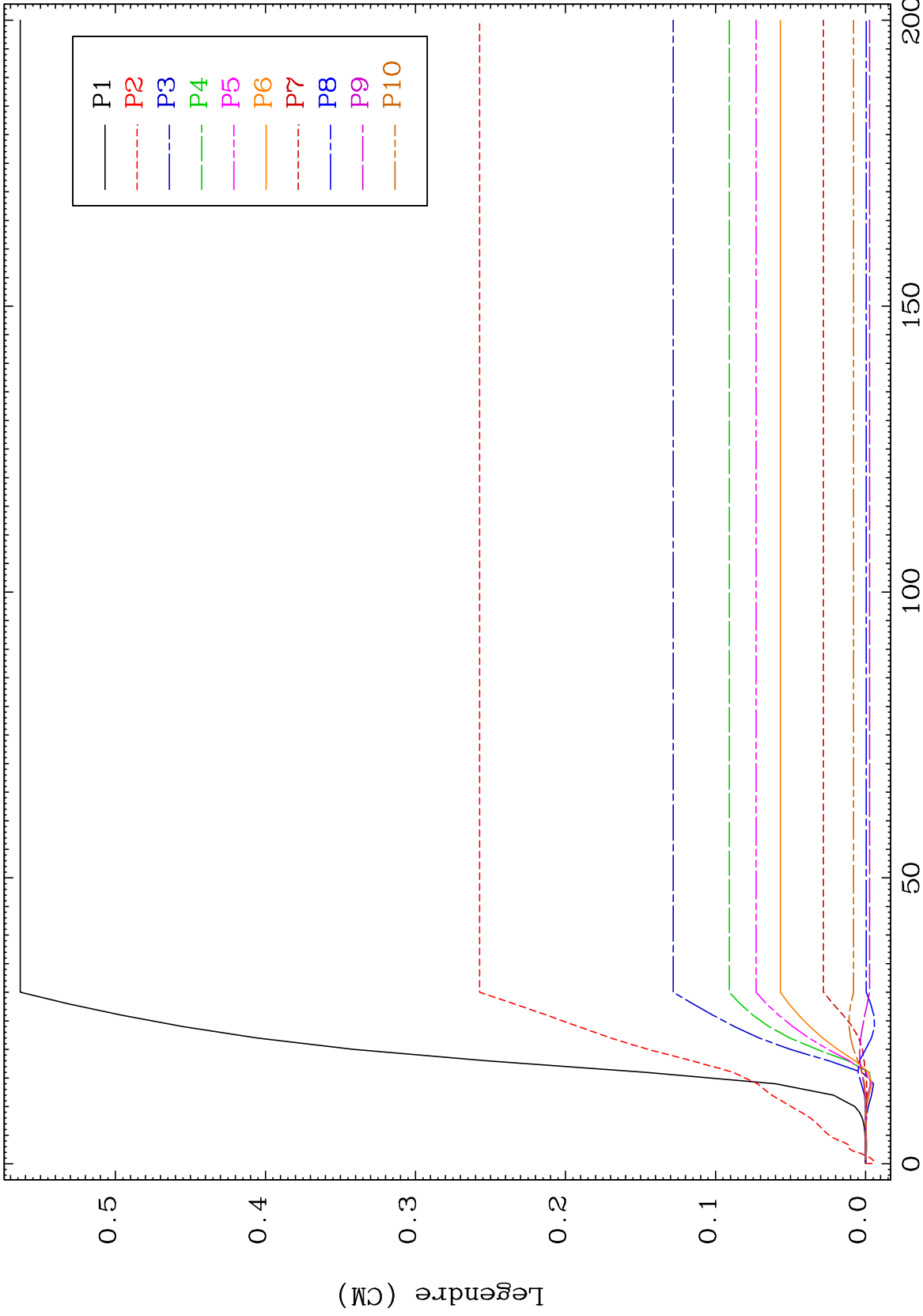
Incident Energy (MeV)

13-Al-28

MAT 1328

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

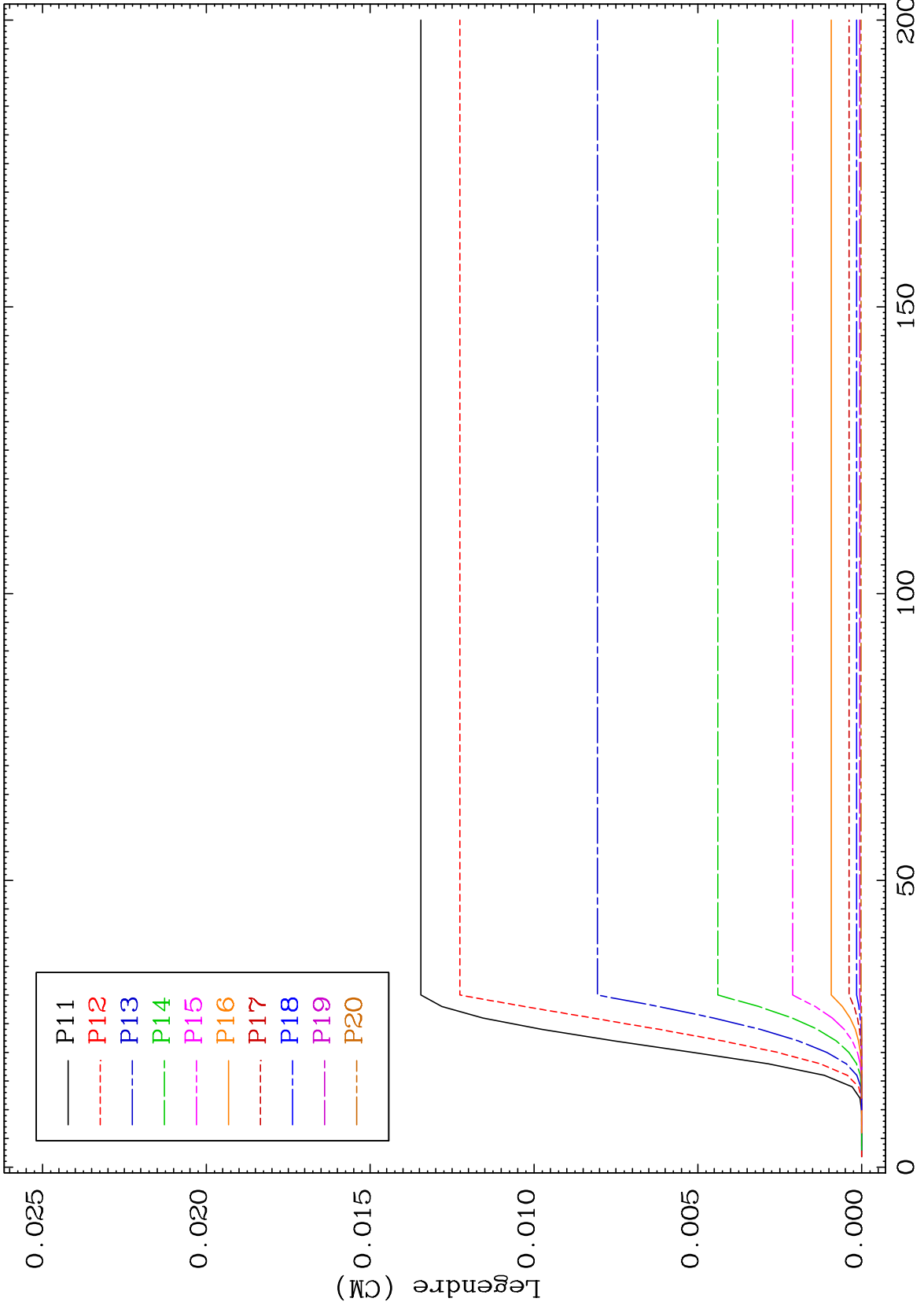
13-Al-28



18

Incident Energy (MeV)

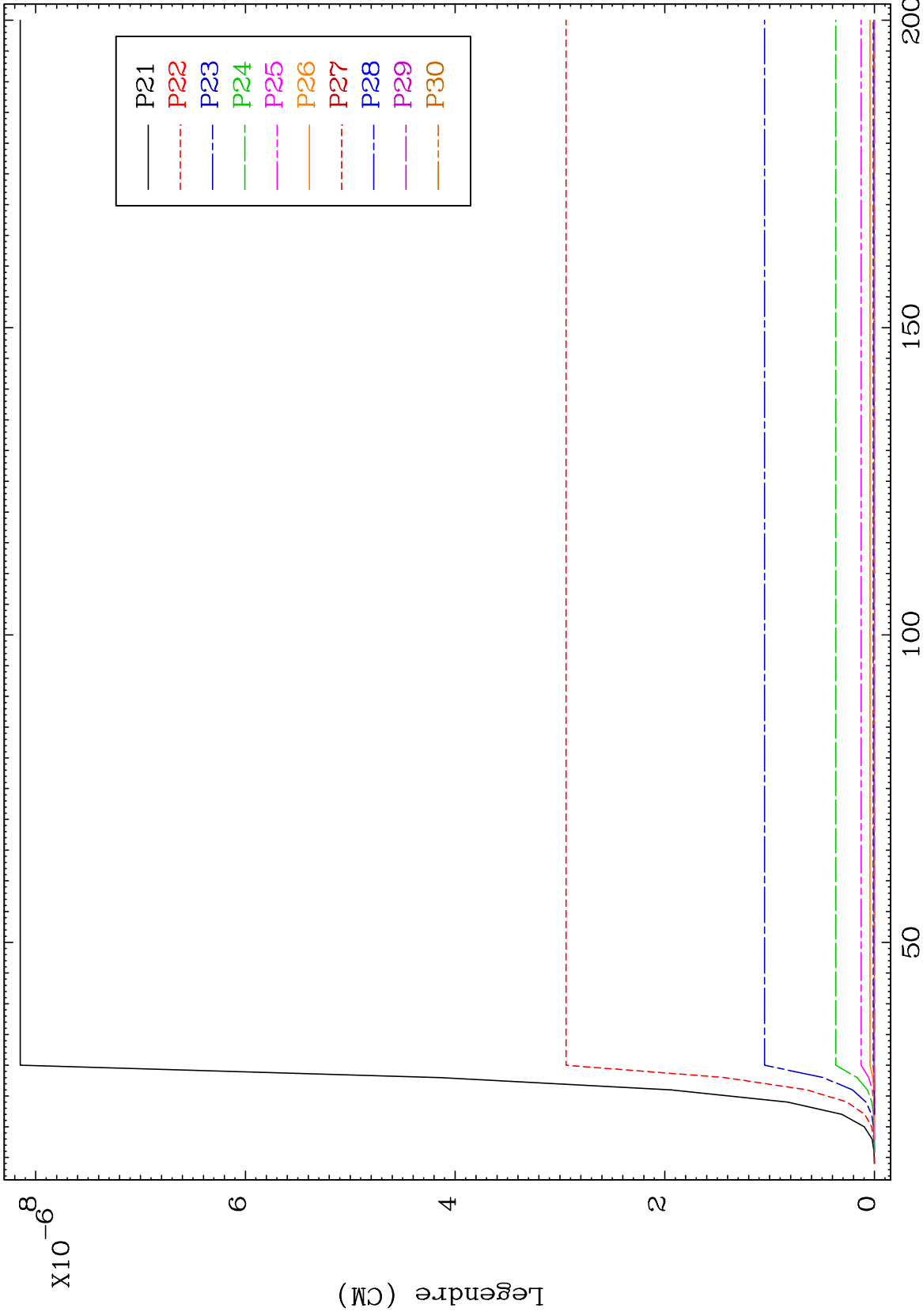
13-Al-28



MAT 1328

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

13-Al-28



20

50

100

150

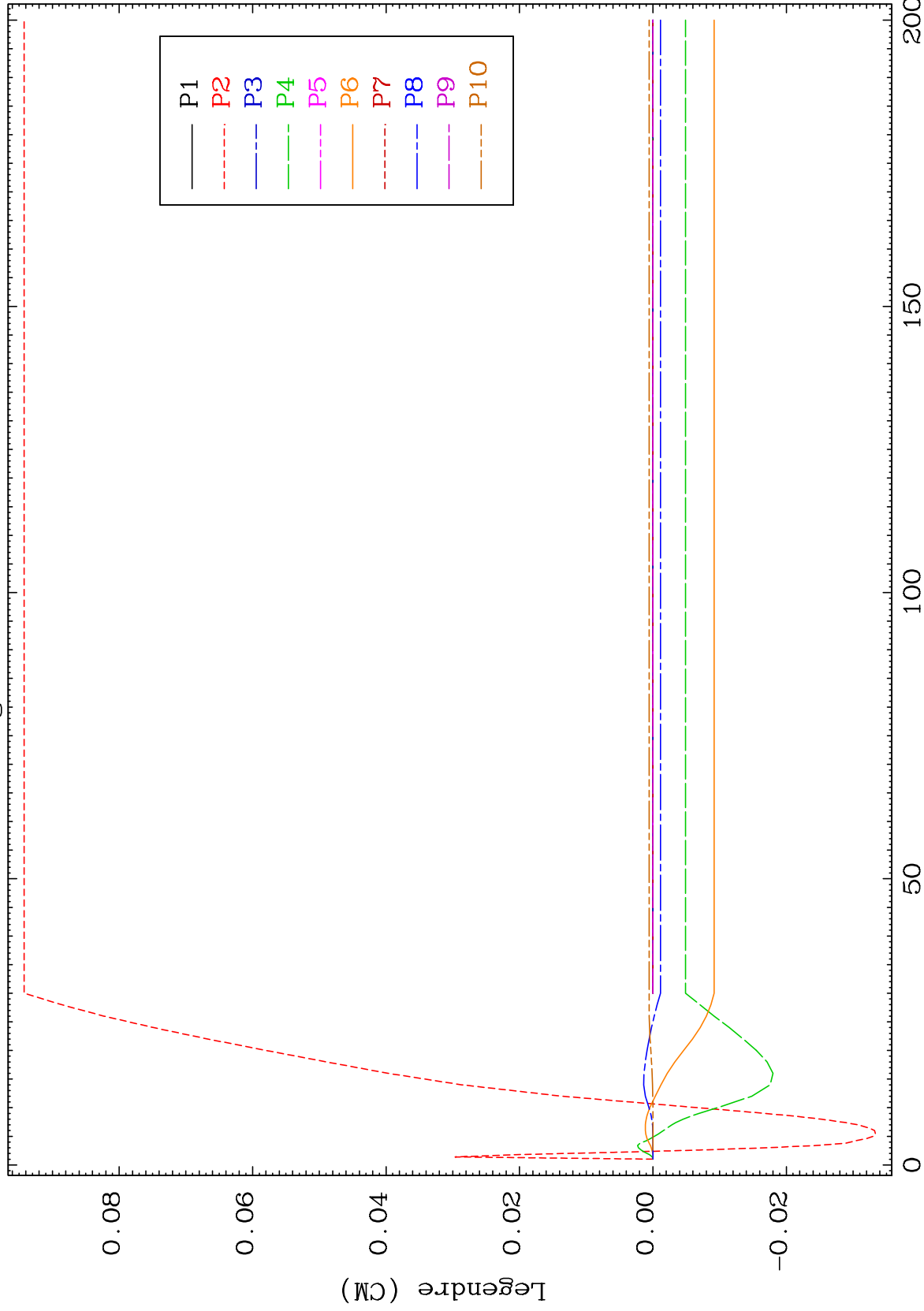
200

13-Al-28

MAT 1328

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

13-Al-28



21

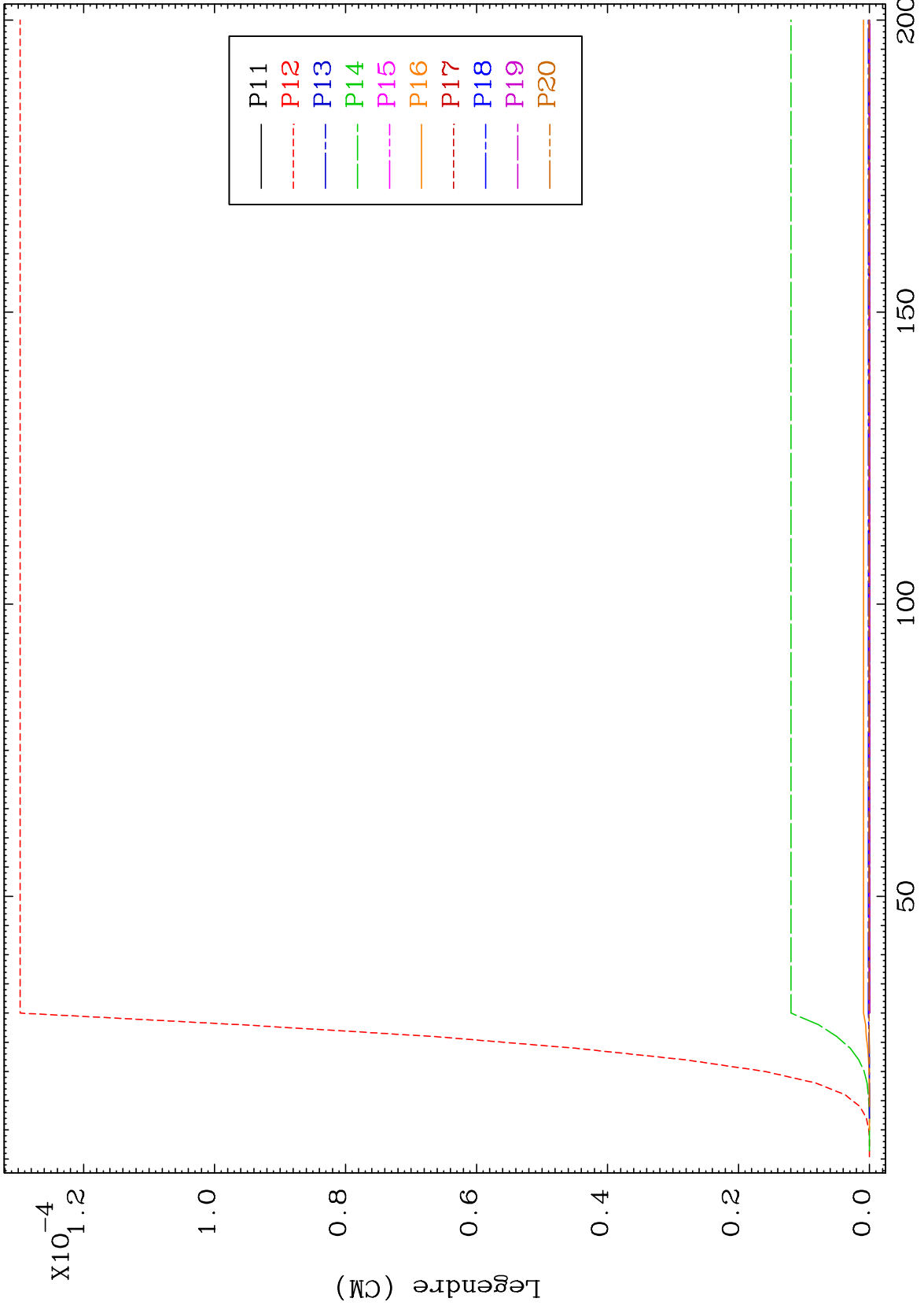
Incident Energy (MeV)

13-Al-28

MAT 1328

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

13-Al-28



22

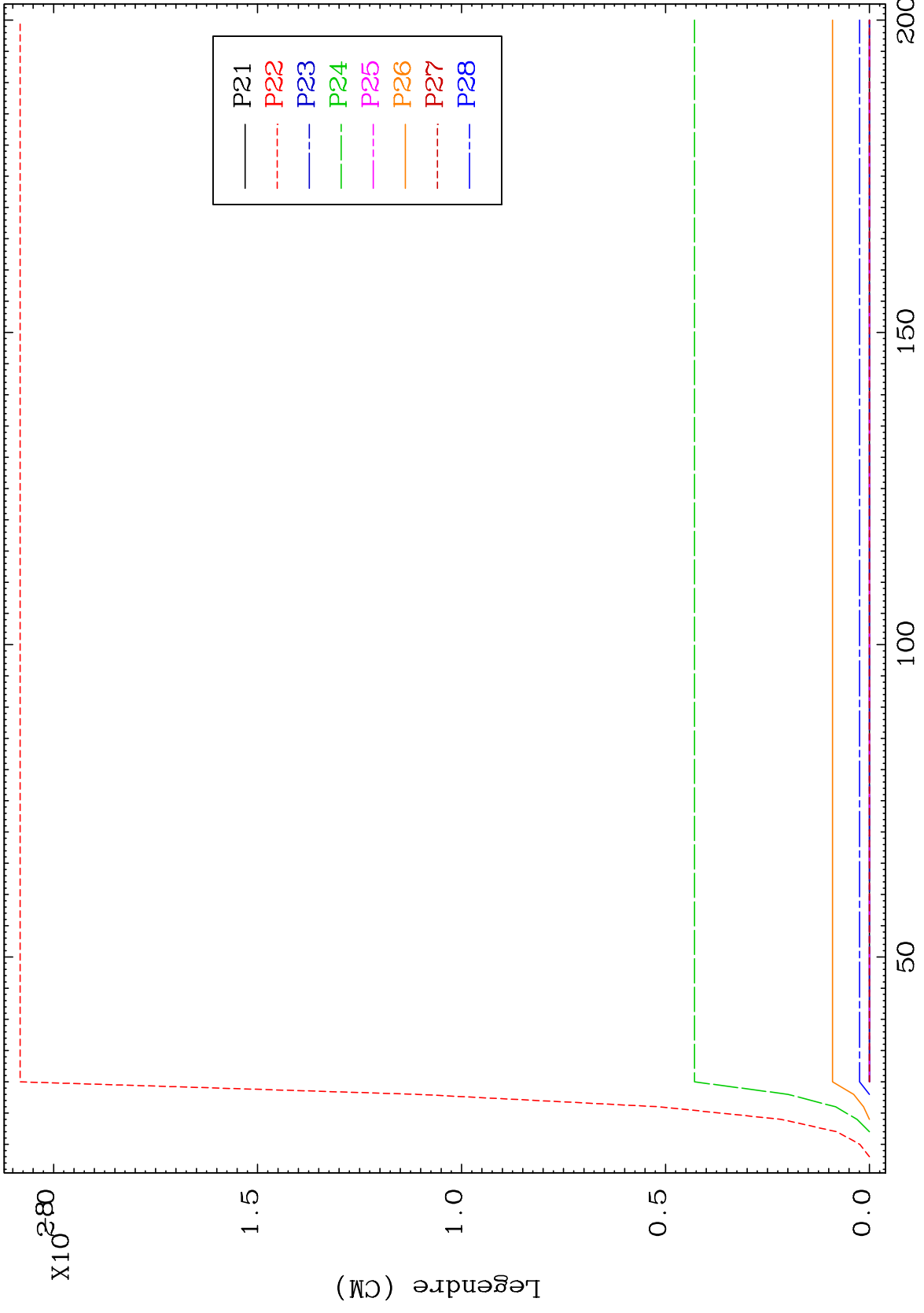
Incident Energy (MeV)

13-Al-28

MAT 1328

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

13-A1-28



23

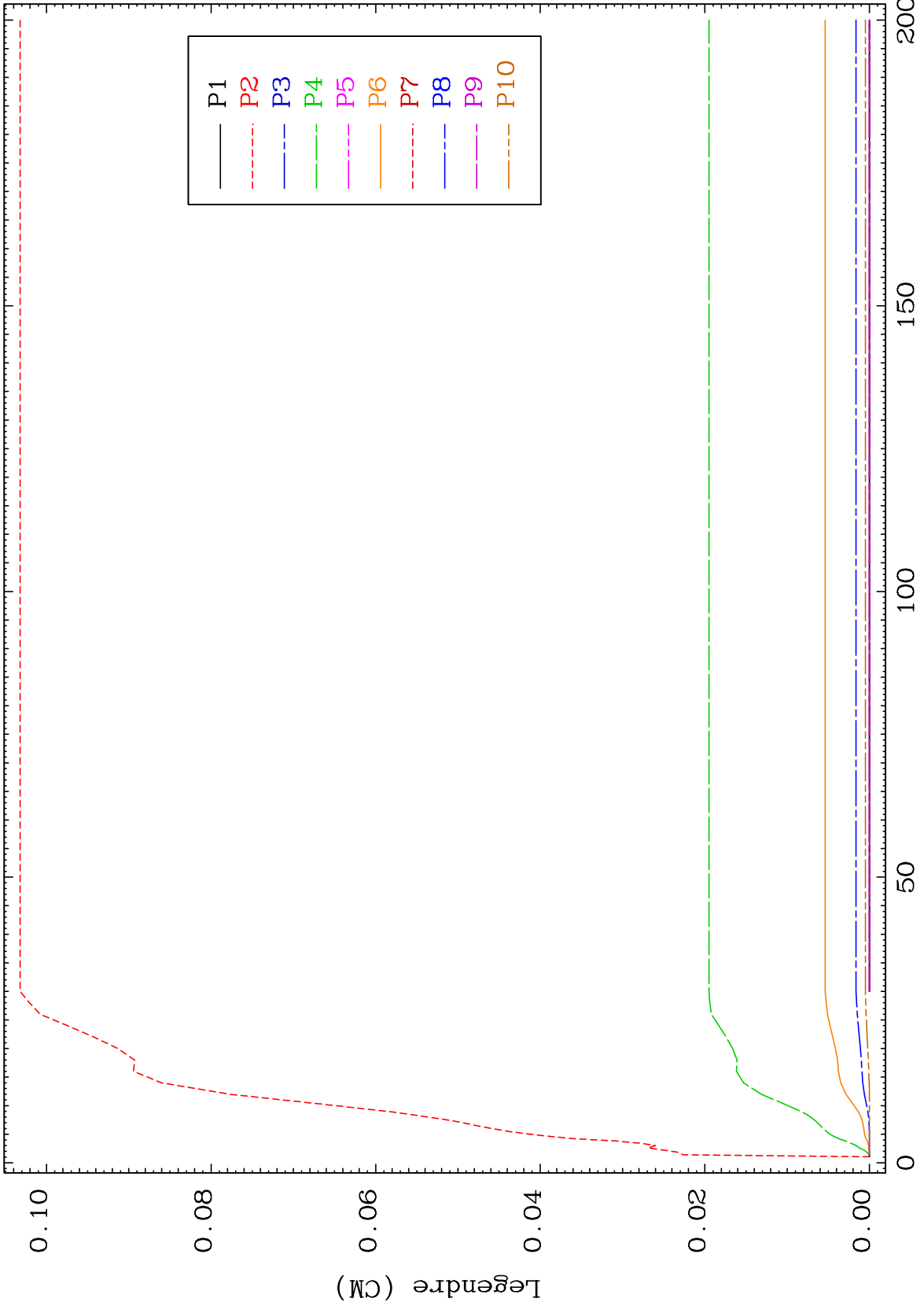
Incident Energy (MeV)

13-A1-28

MAT 1328

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

13-Al-28

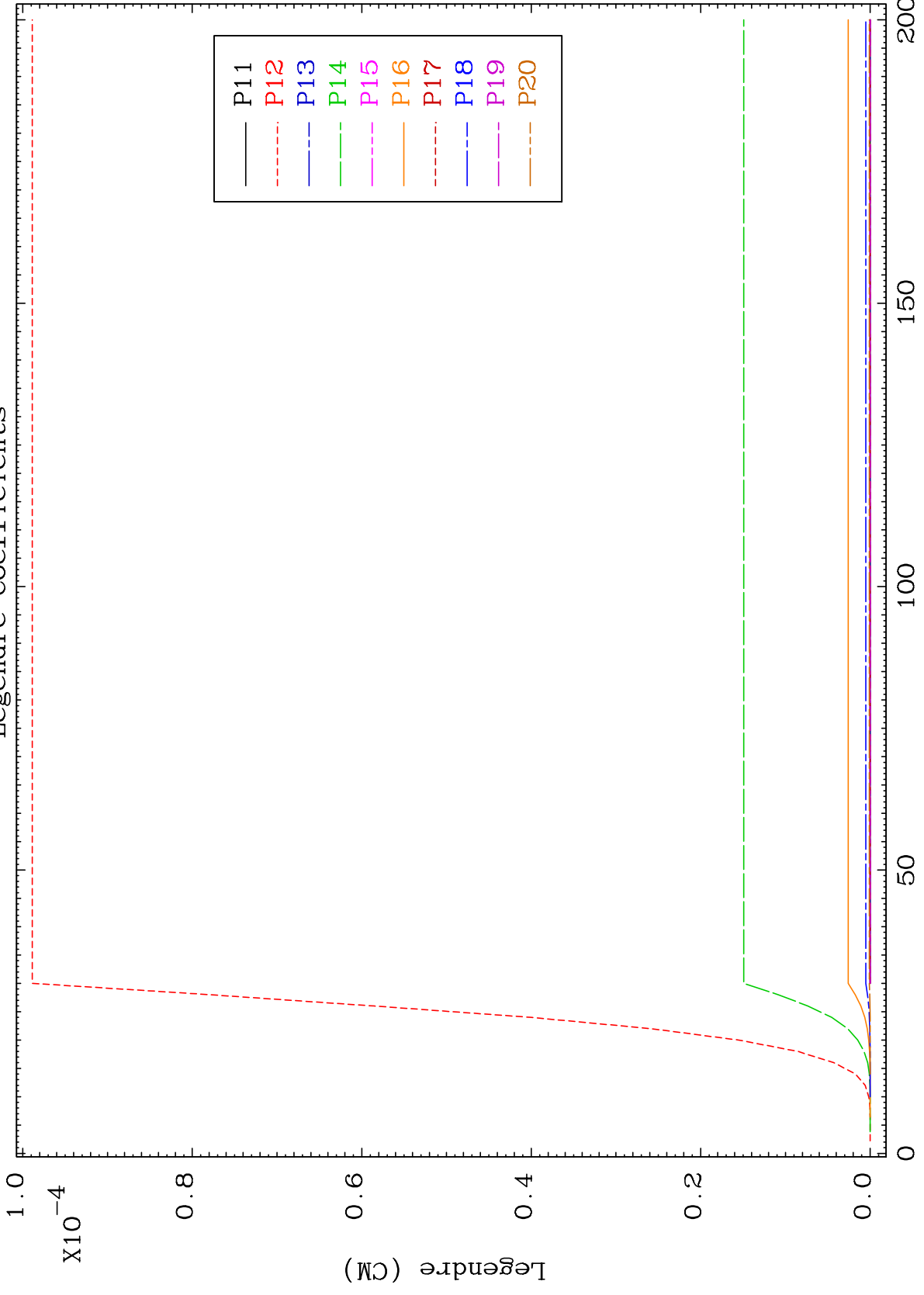


24

Incident Energy (MeV)

13-Al-28

MAT 1328 MT= 53 (n,n') Level Legendre Coefficients 13-Al-28

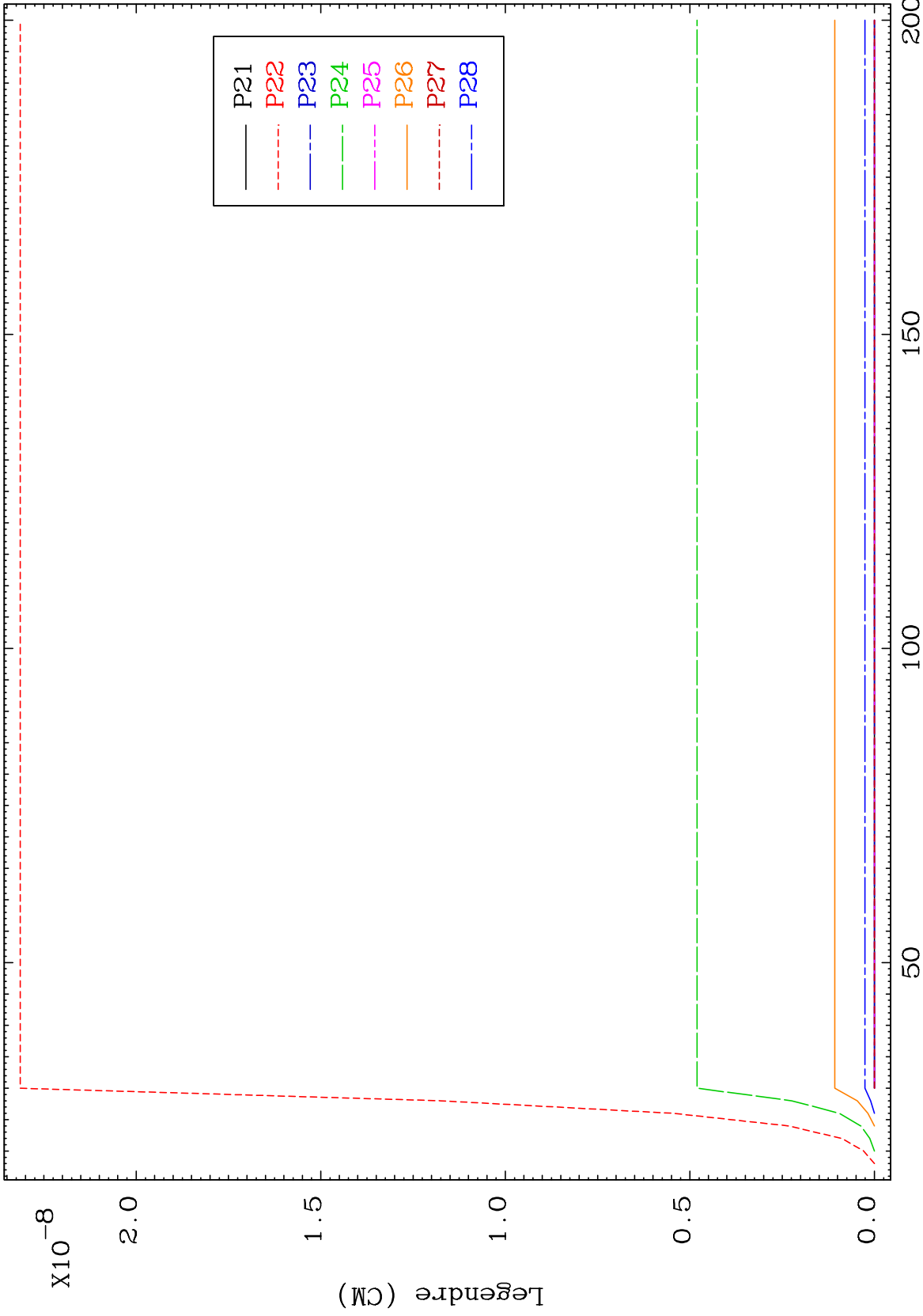


25 Incident Energy (MeV) 13-Al-28

MAT 1328

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

13-Al-28



26

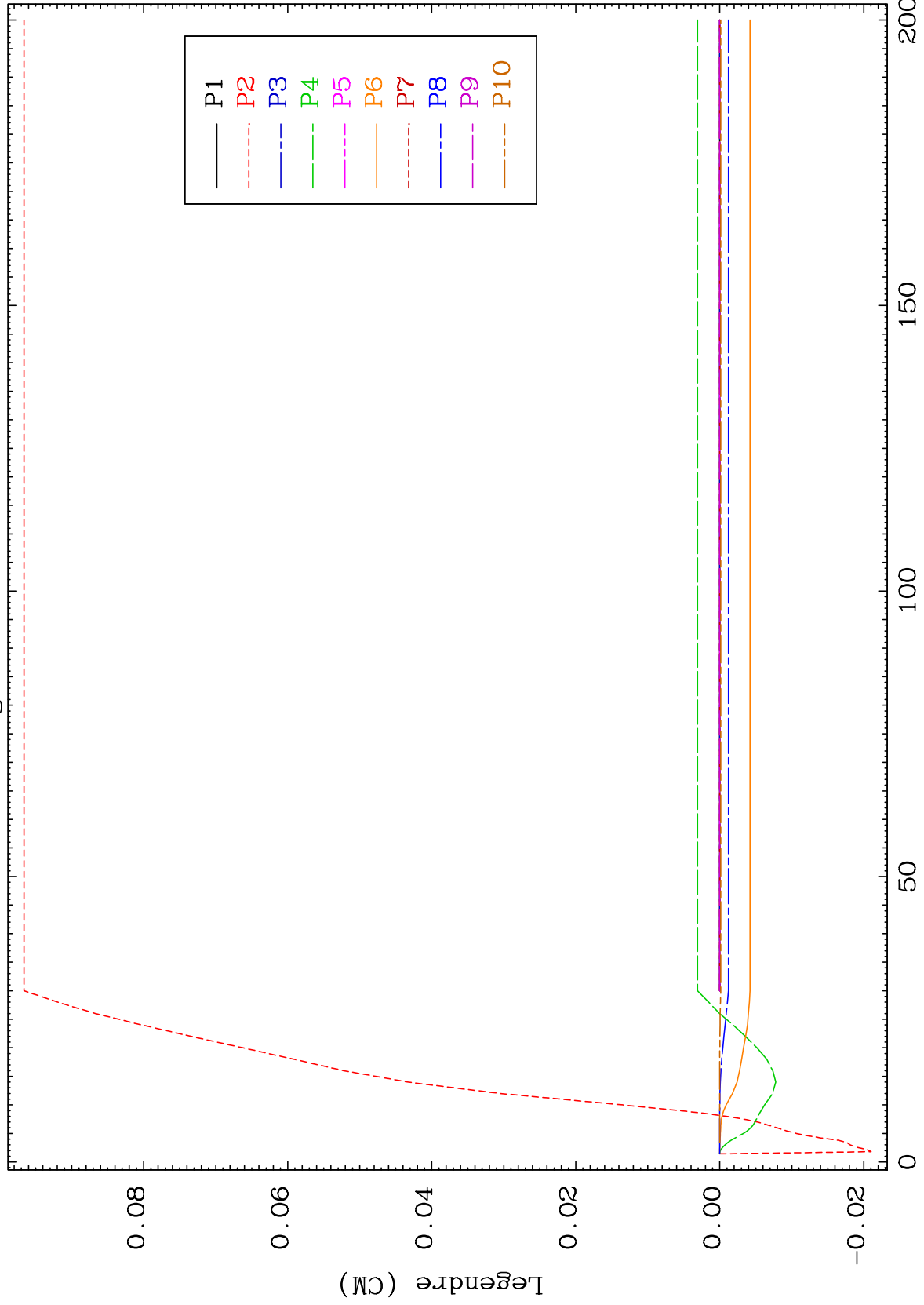
Incident Energy (MeV)

13-Al-28

MAT 1328

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

13-Al-28



27

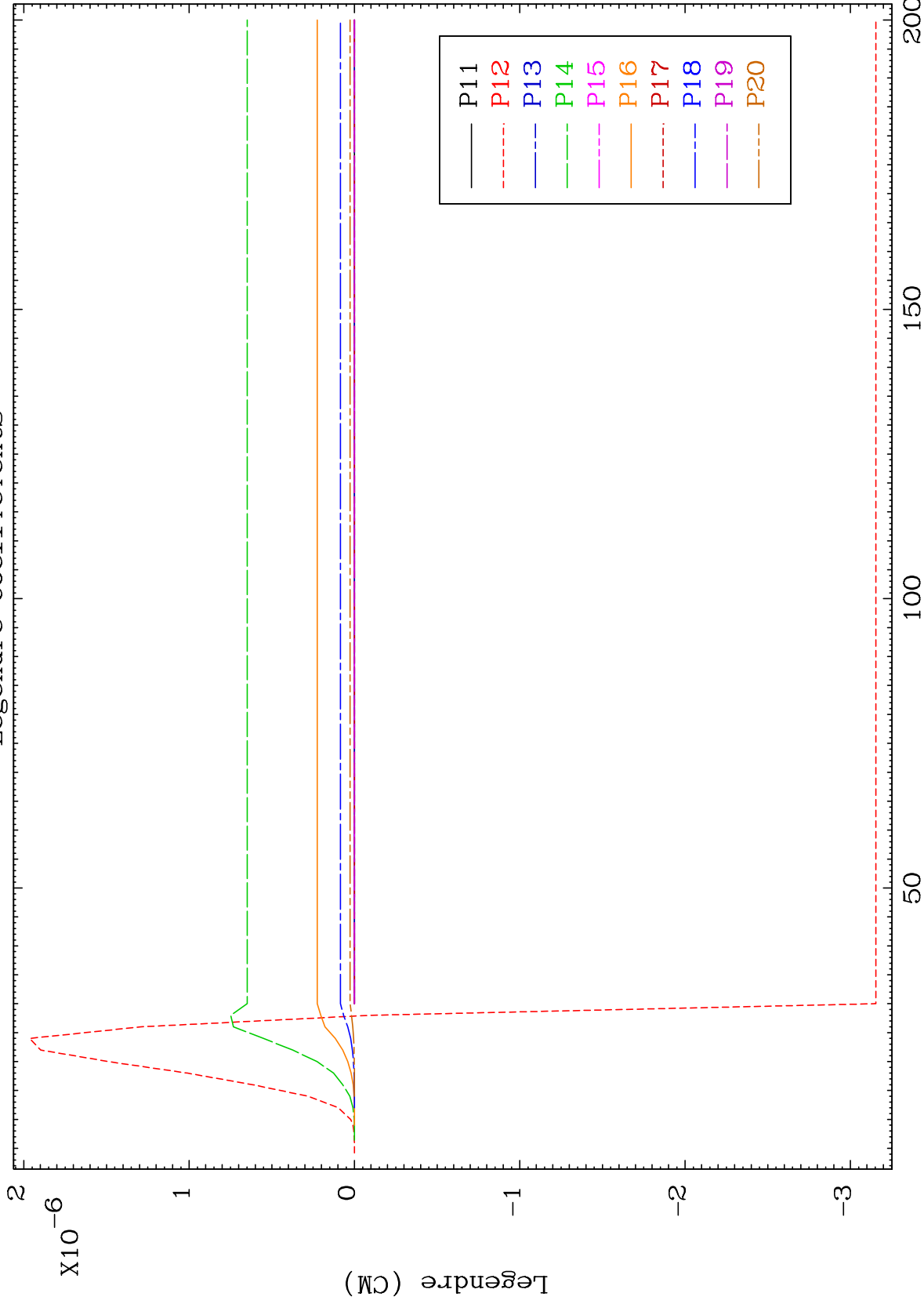
Incident Energy (MeV)

13-Al-28

MAT 1328

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

13-Al-28



28

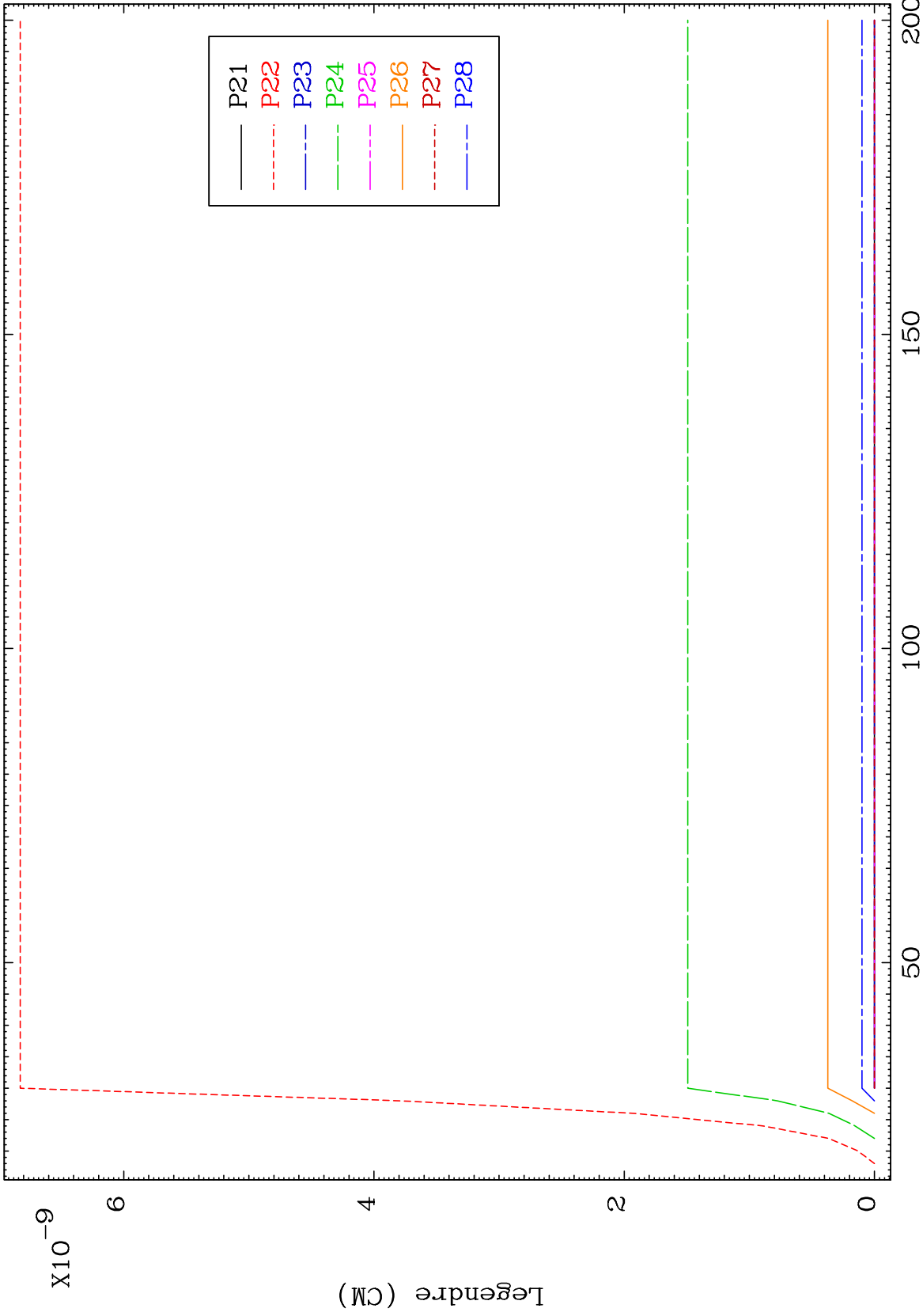
Incident Energy (MeV)

13-Al-28

MAT 1328

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

13-Al-28



29

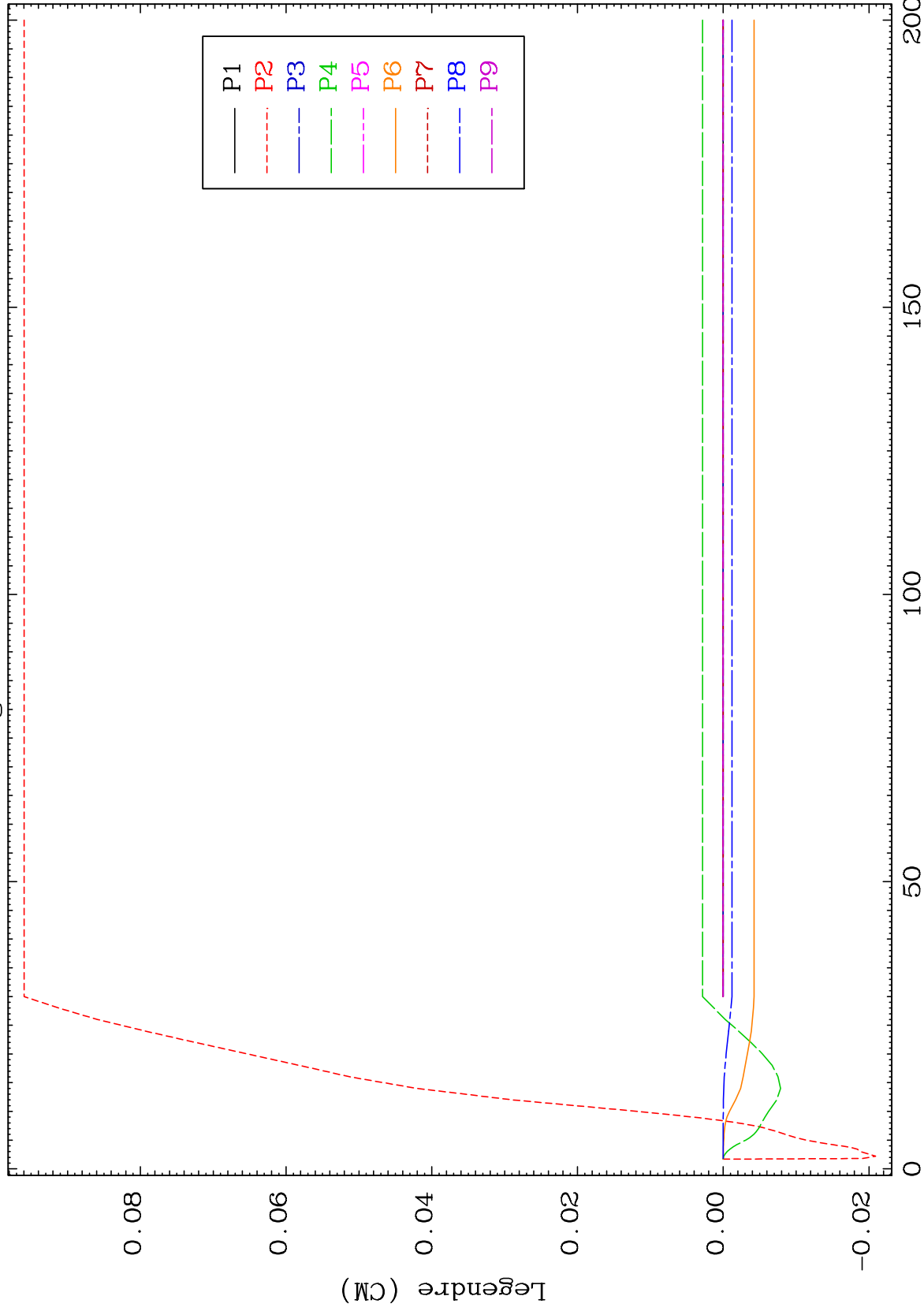
Incident Energy (MeV)

13-Al-28

MAT 1328

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

13-A1-28



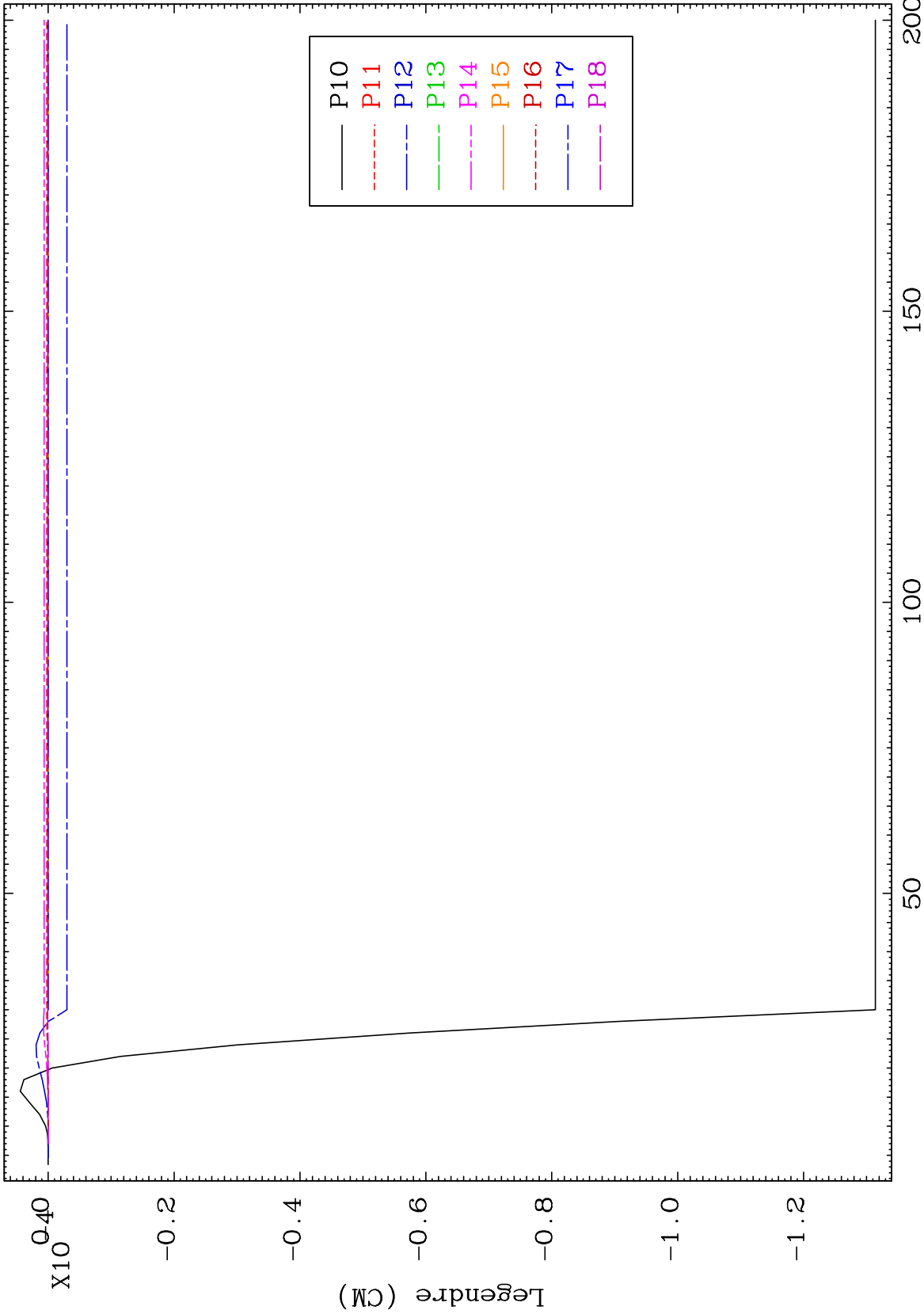
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Incident Energy (MeV)

MAT 1328

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

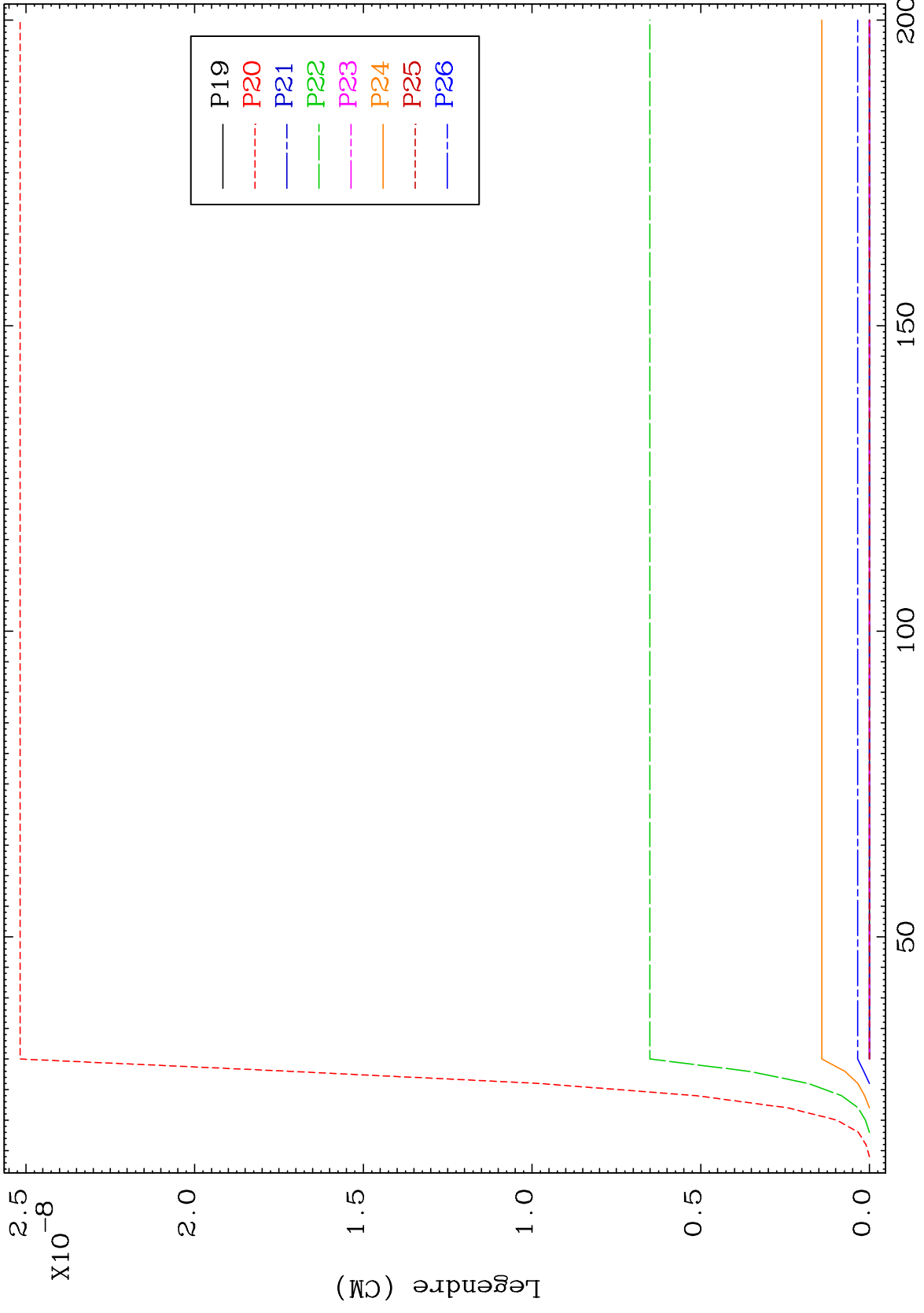
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MAT 1328

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

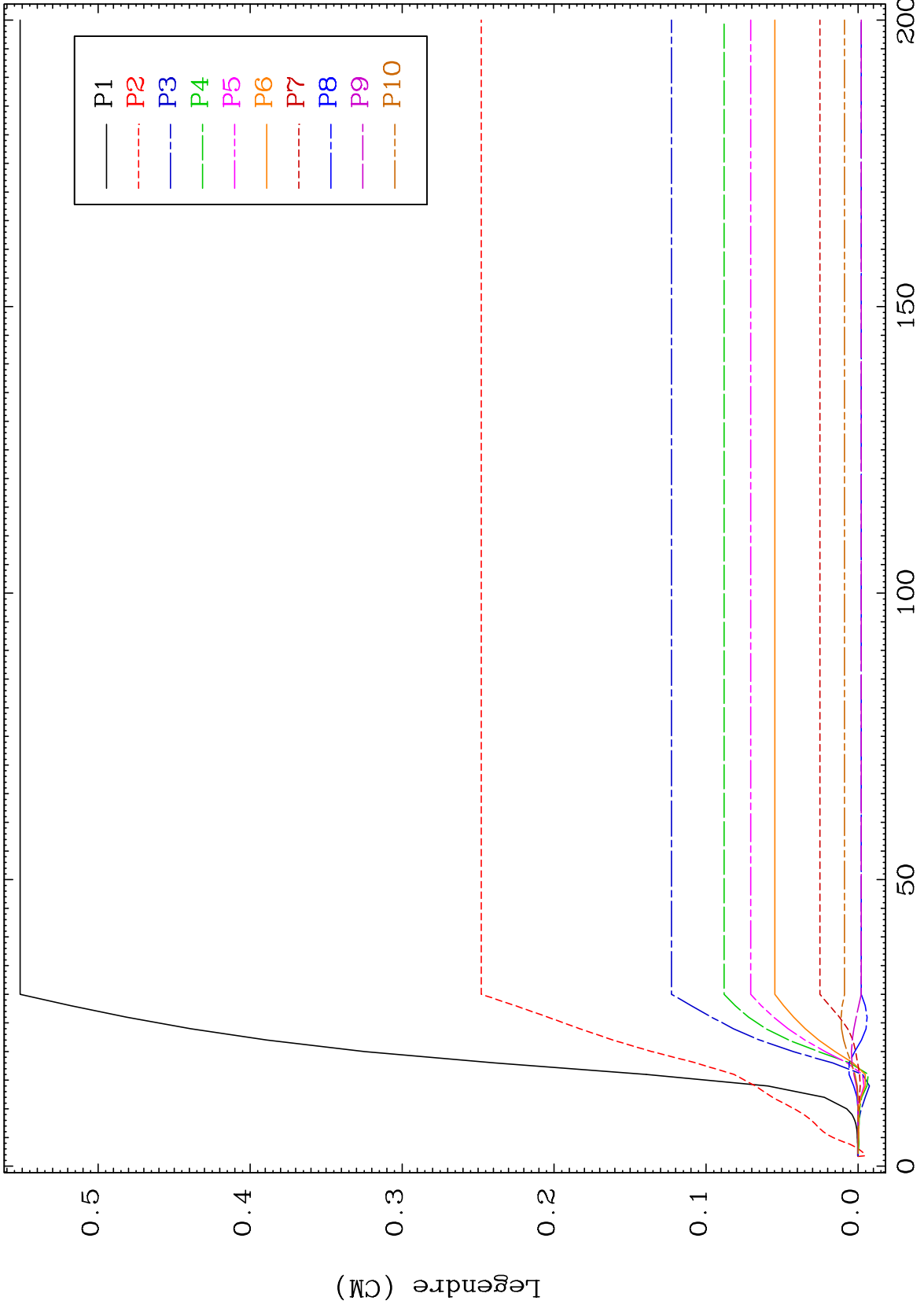
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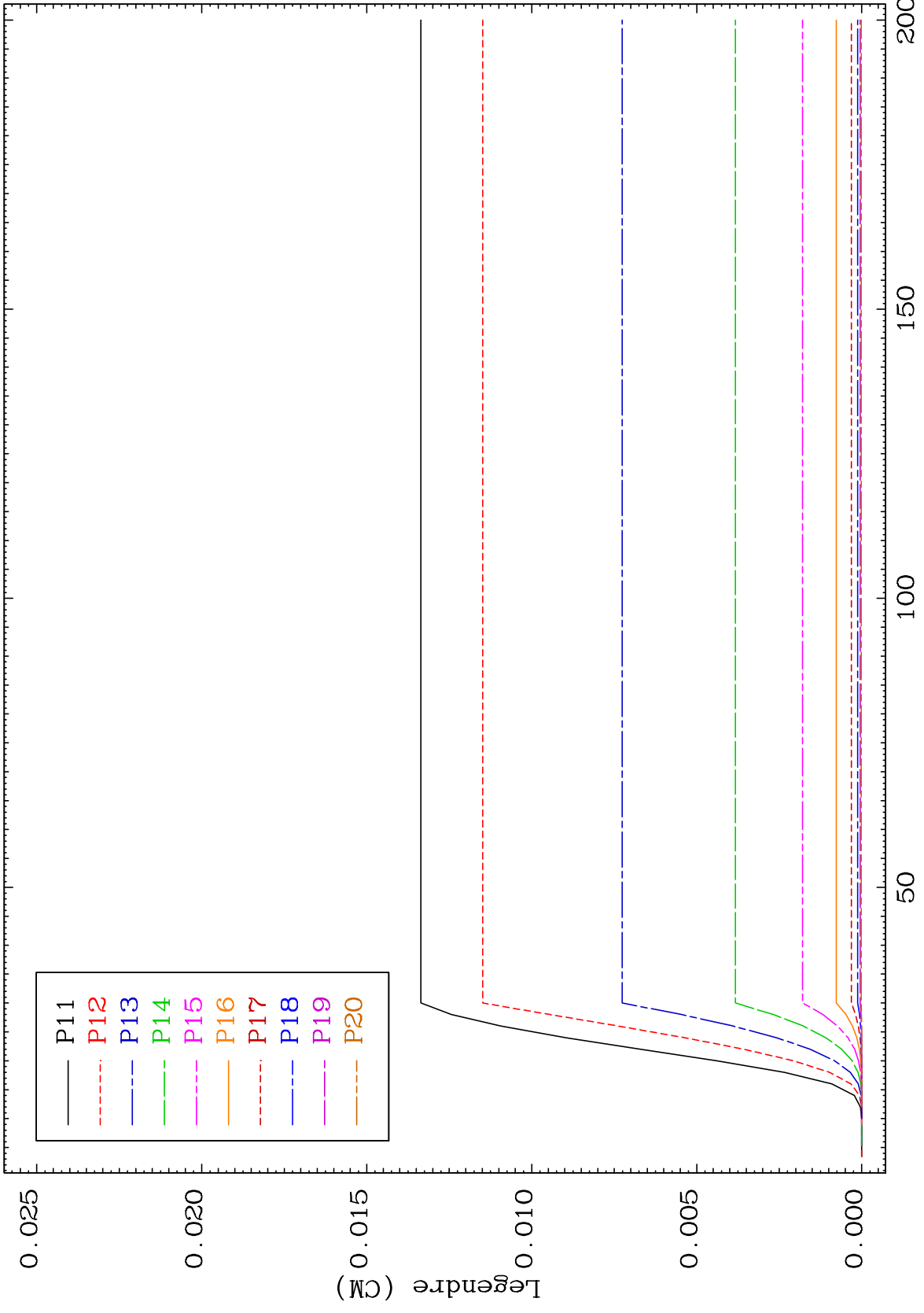


32

Incident Energy (MeV)

13-Al-28

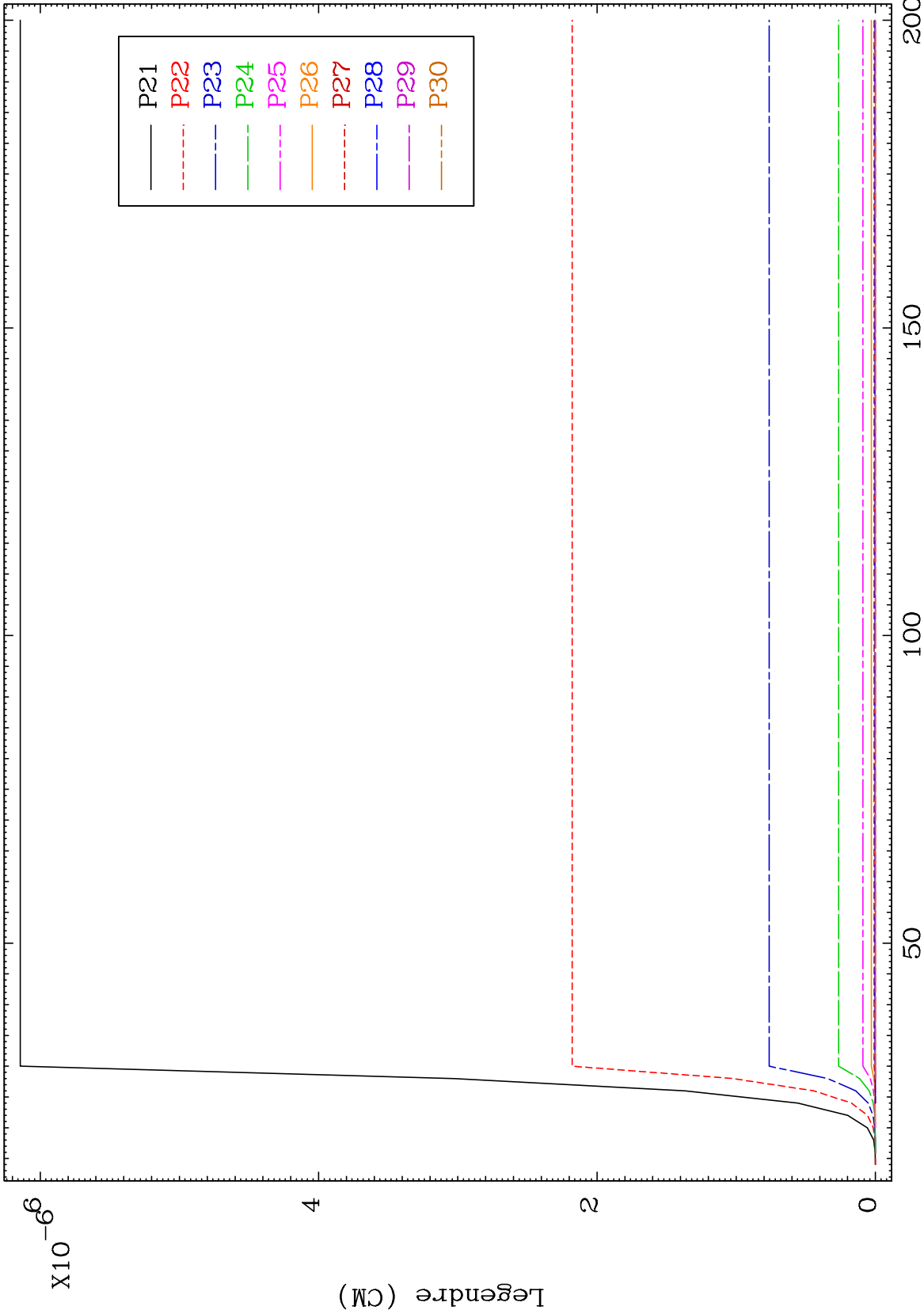




MAT 1328

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

13-Al-28



35

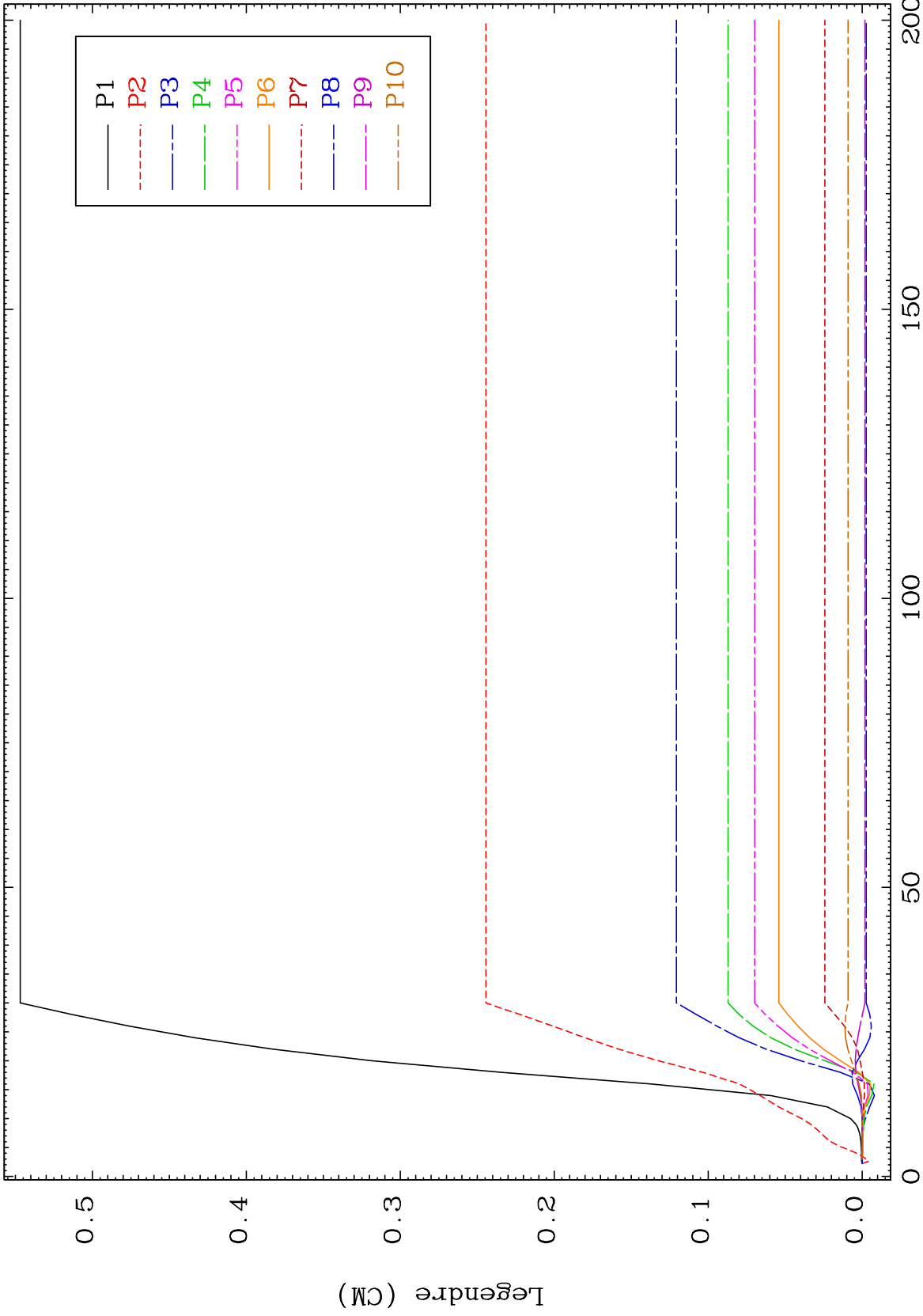
Incident Energy (MeV)

13-Al-28

MAT 1328

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

13-A1-28



36

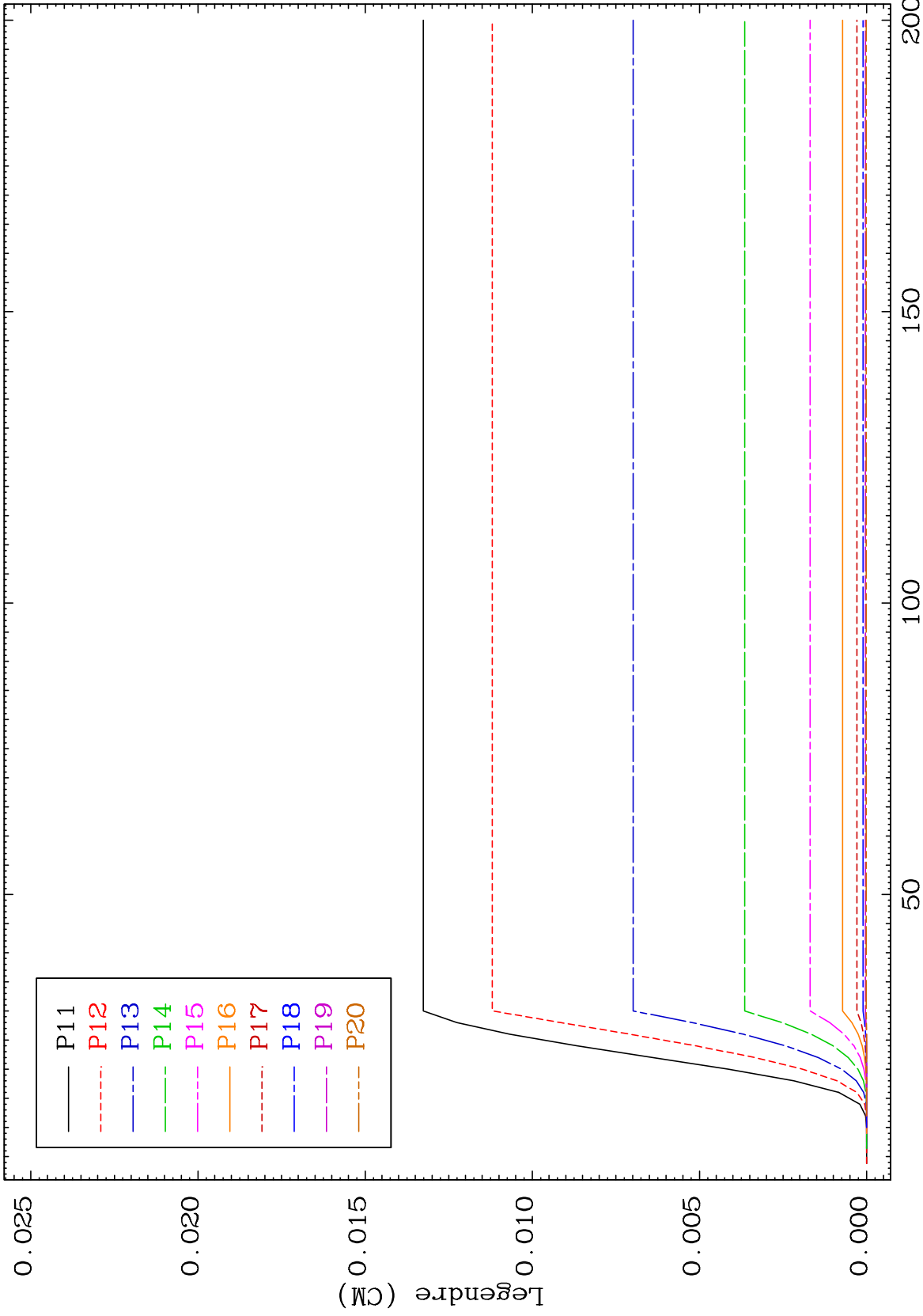
Incident Energy (MeV)

13-A1-28

MAT 1328

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

13-Al-28



37

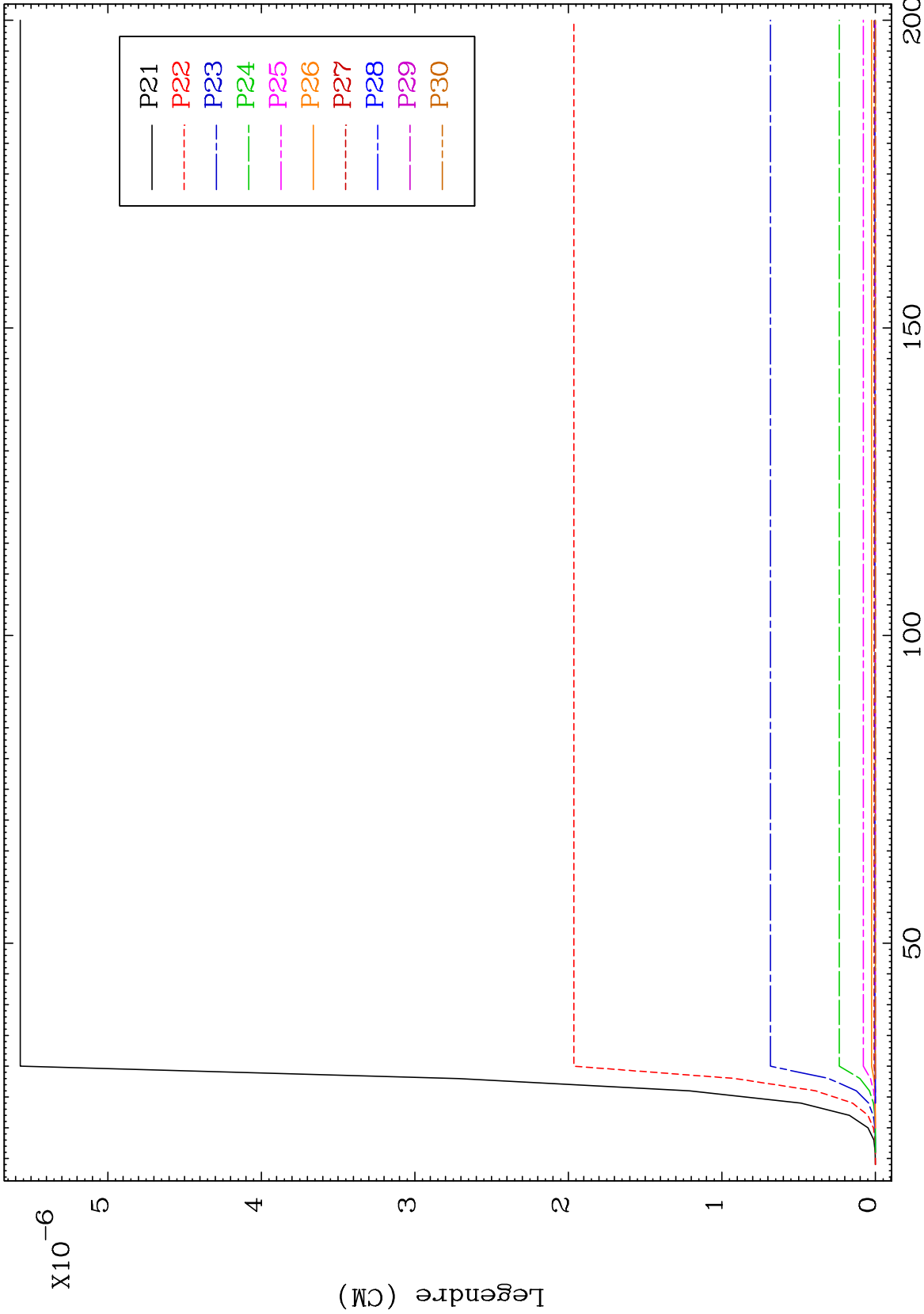
Incident Energy (MeV)

13-Al-28

MAT 1328

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

13-Al-28



38

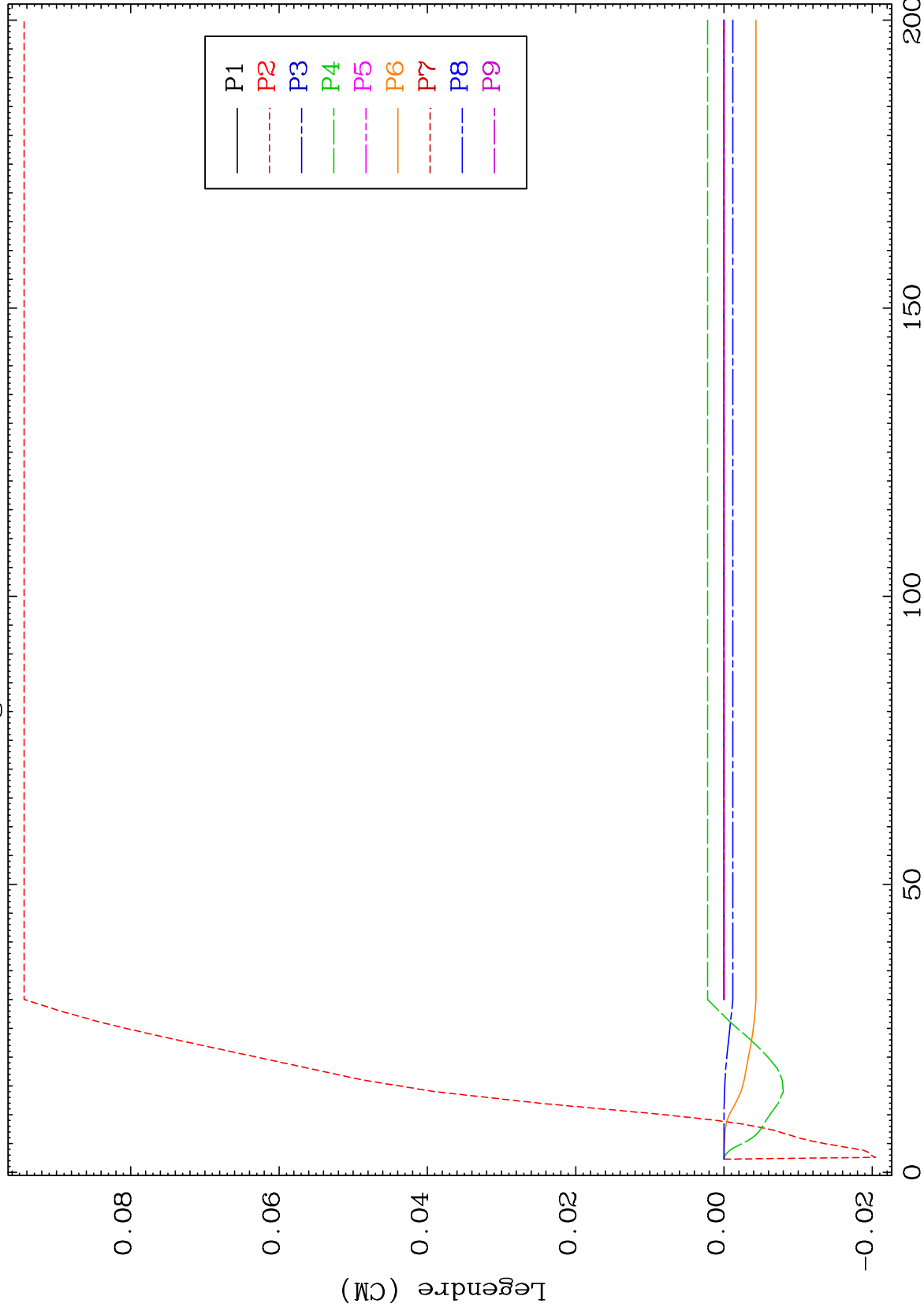
Incident Energy (MeV)

13-Al-28

MAT 1328

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

13-A1-28



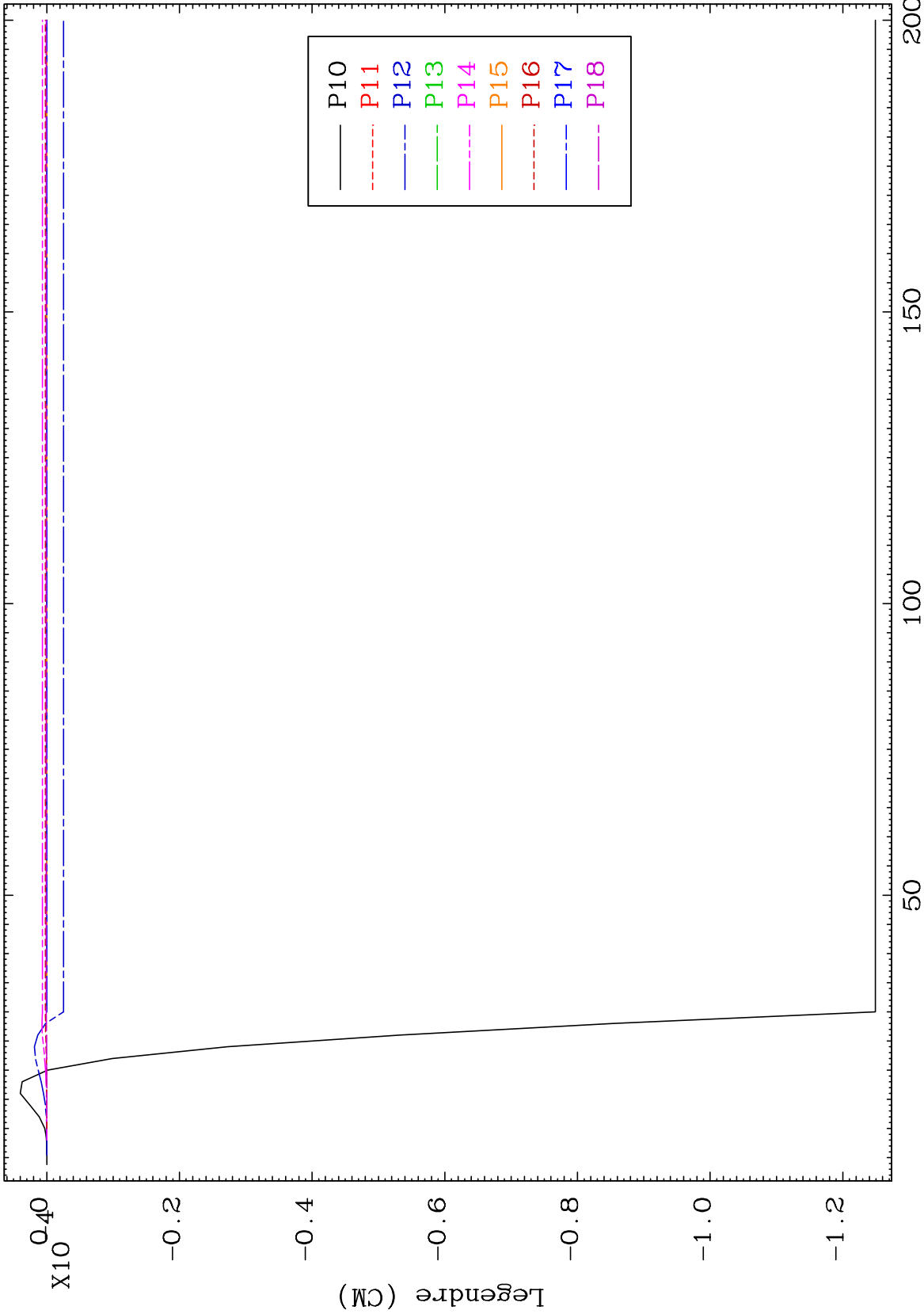
39

13-A1-28

MAT 1328

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

13-Al-28



40

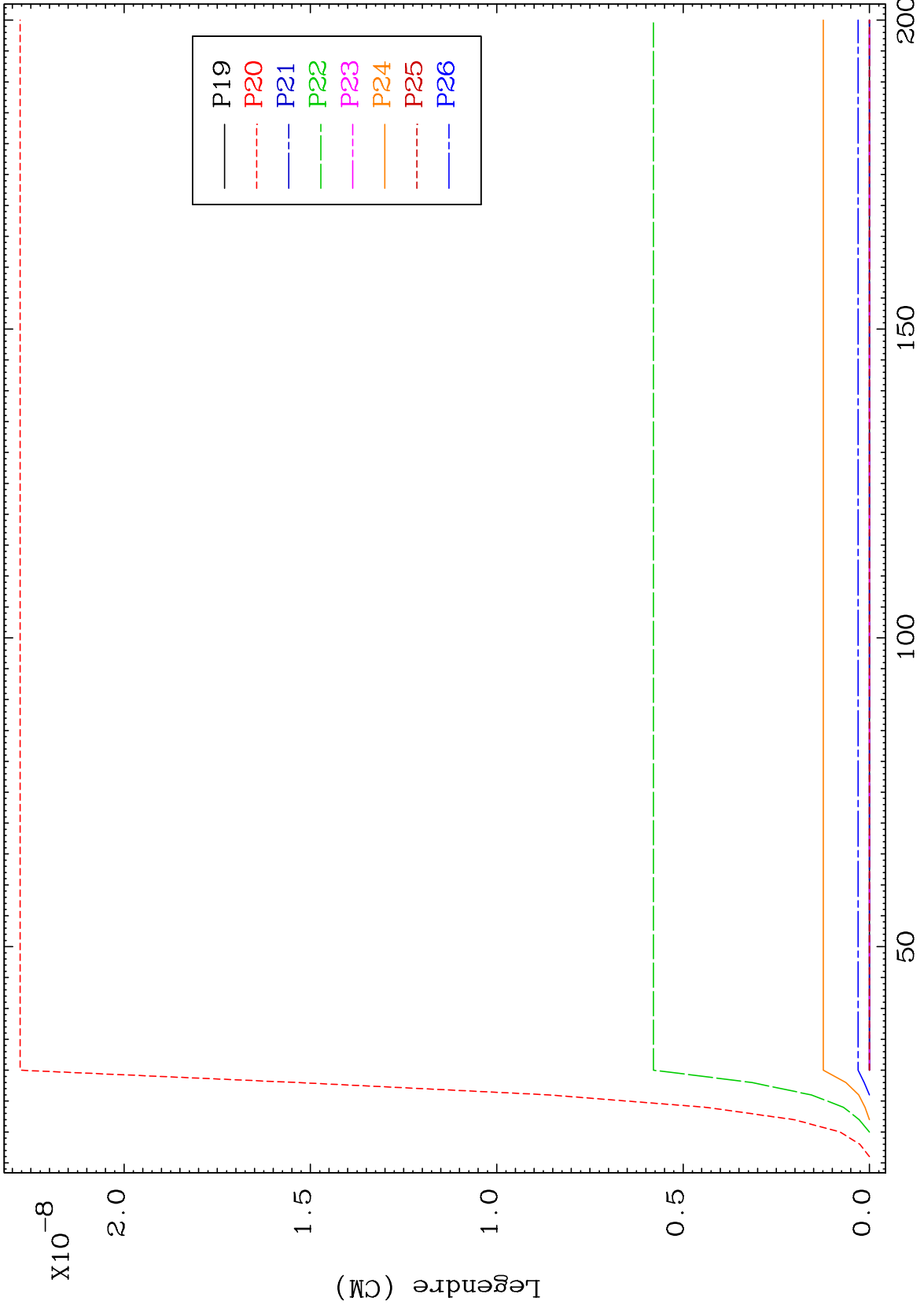
Incident Energy (MeV)

13-Al-28

MAT 1328

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

13-Al-28



41

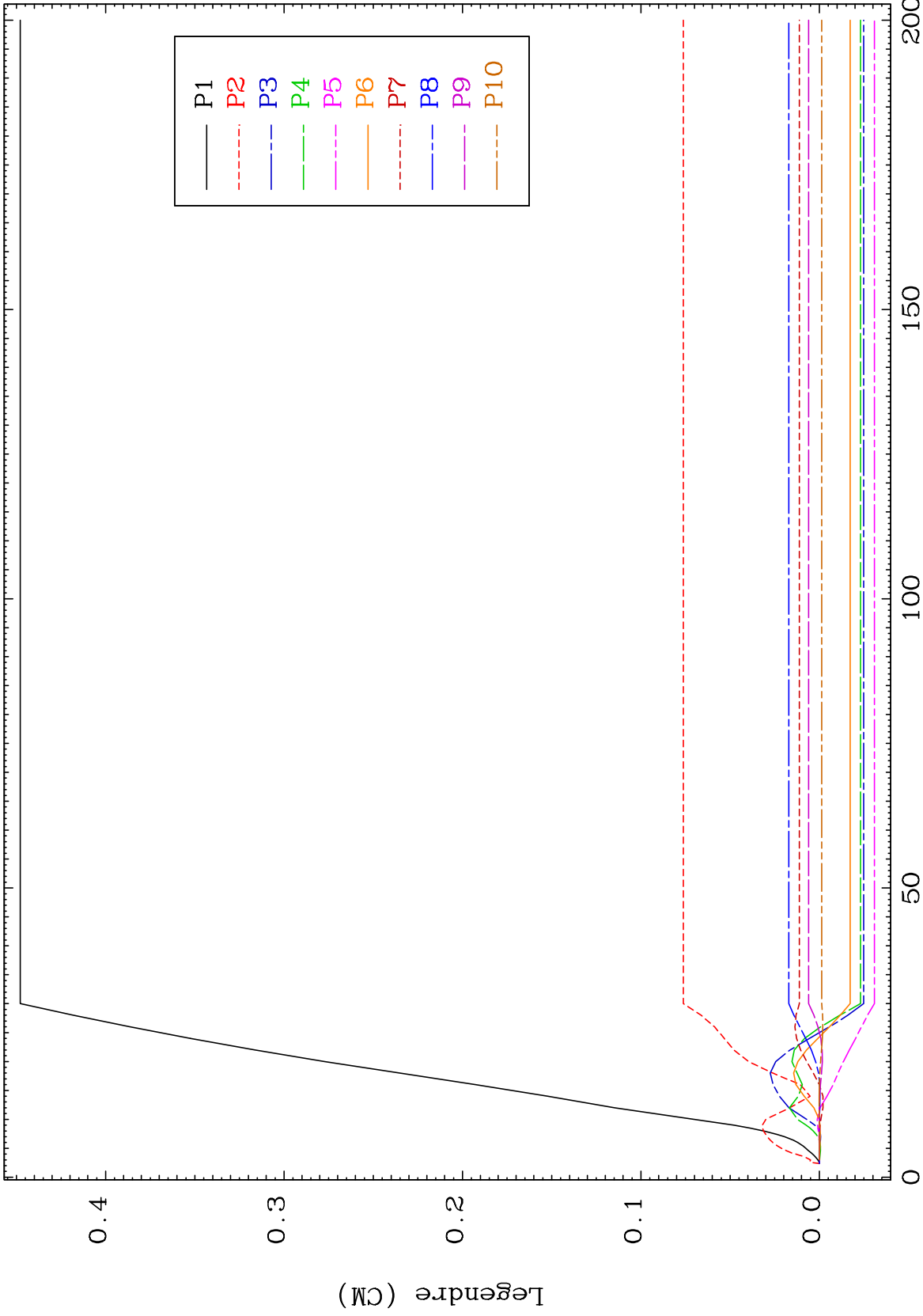
Incident Energy (MeV)

13-Al-28

MAT 1328

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

13-Al-28



42

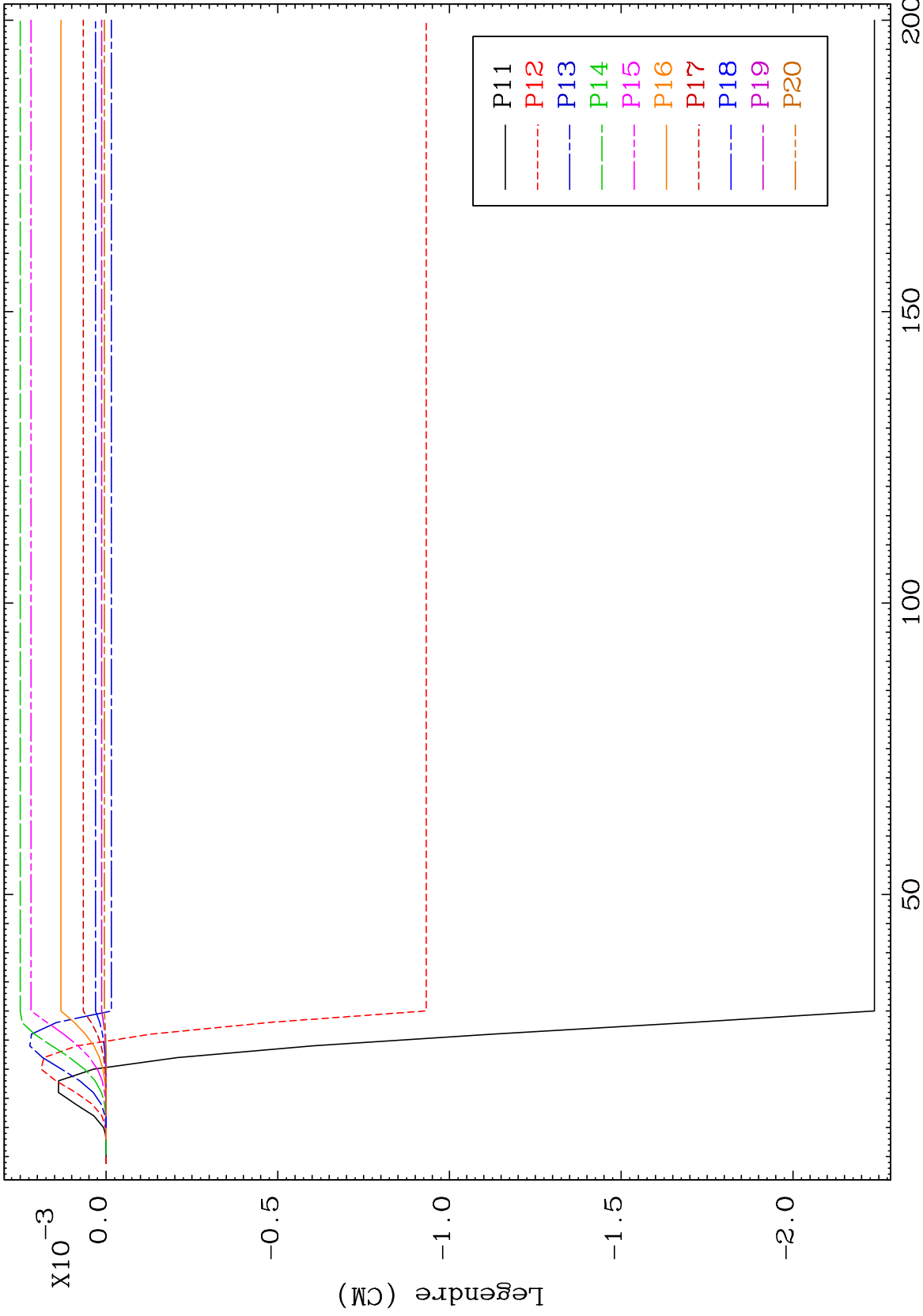
Incident Energy (MeV)

13-Al-28

MAT 1328

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

13-Al-28



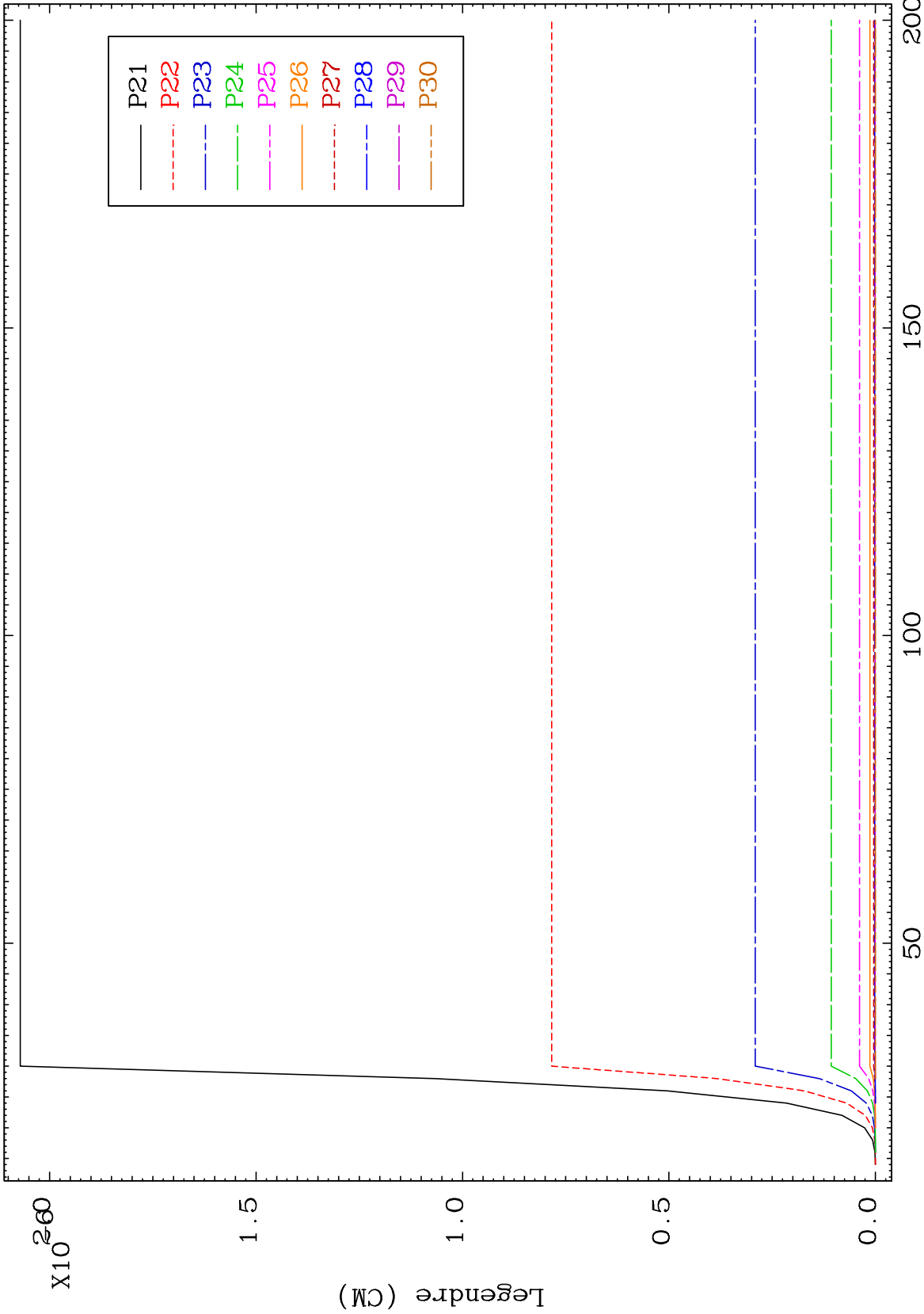
43

13-Al-28

MAT 1328

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

13-Al-28



44

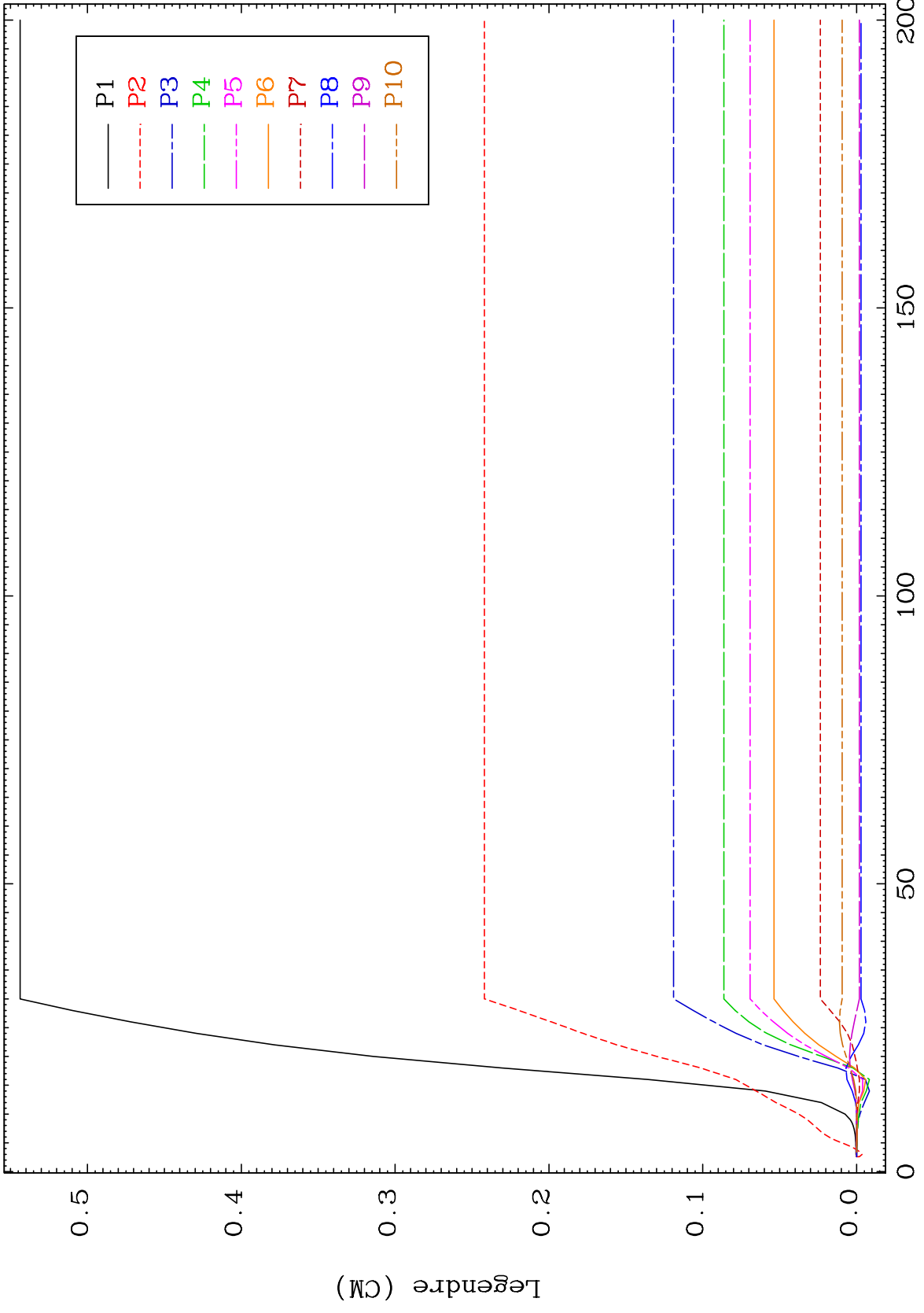
Incident Energy (MeV)

13-Al-28

MAT 1328

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

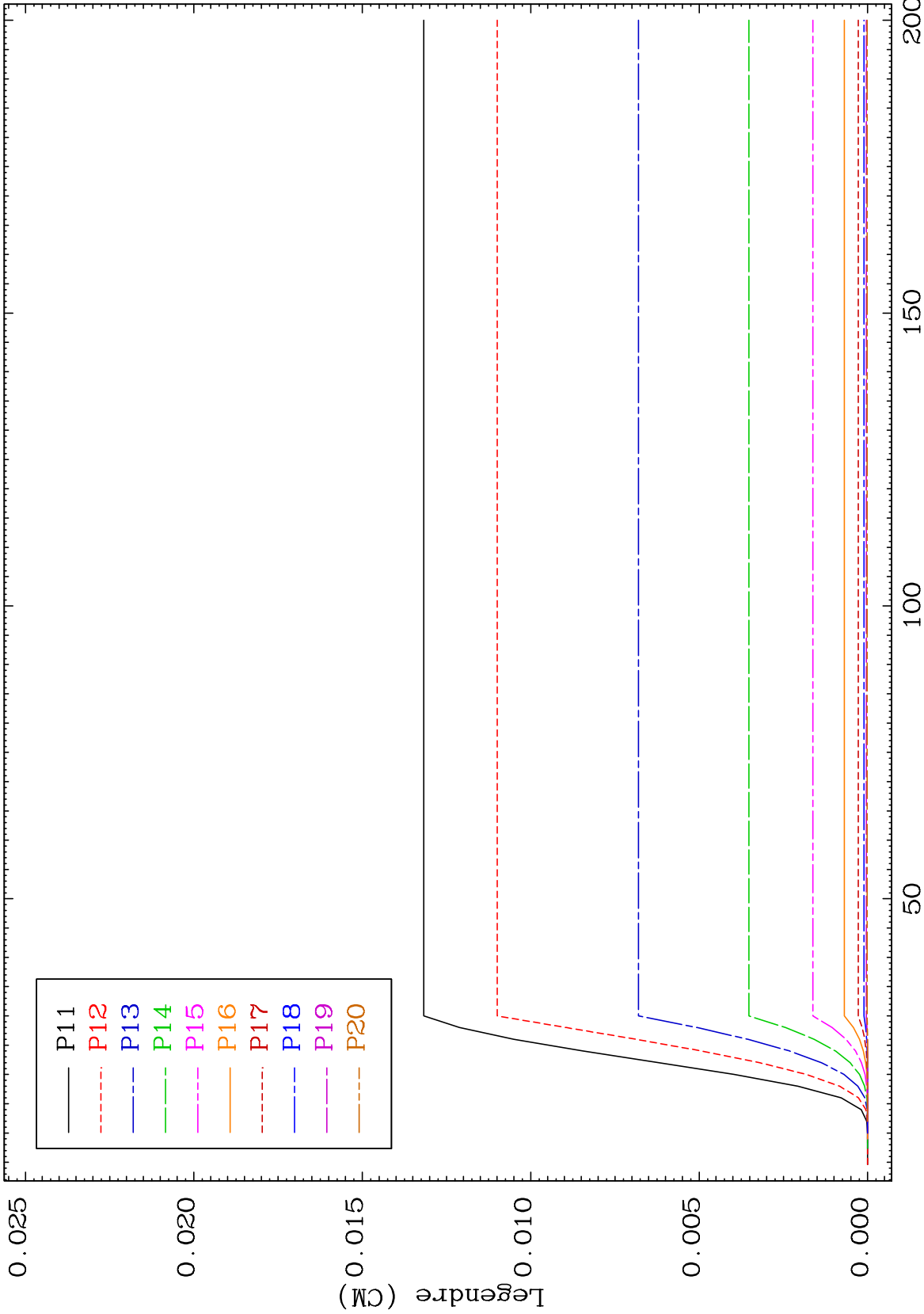
13-Al-28



45

Incident Energy (MeV)

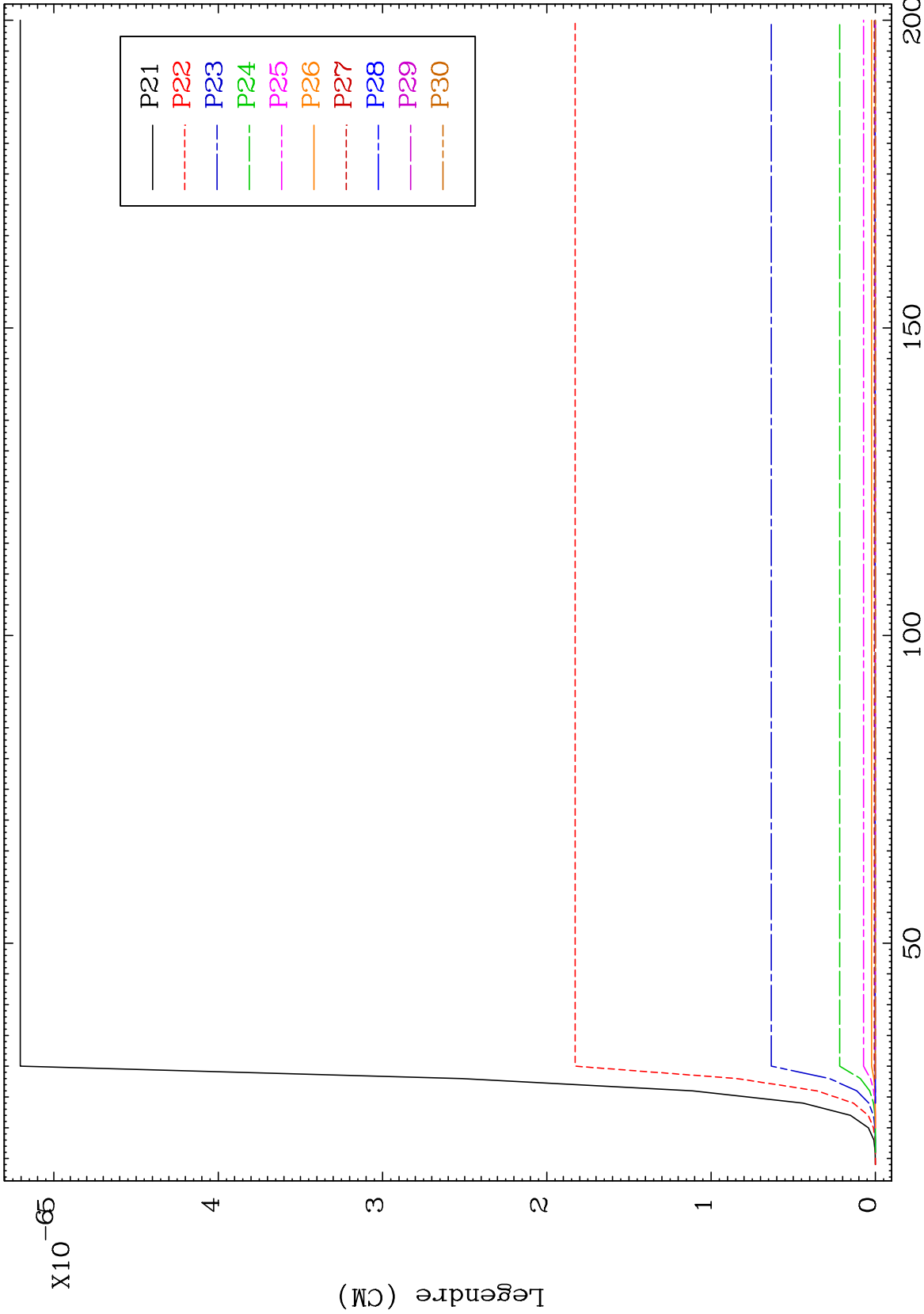
13-Al-28



MAT 1328

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

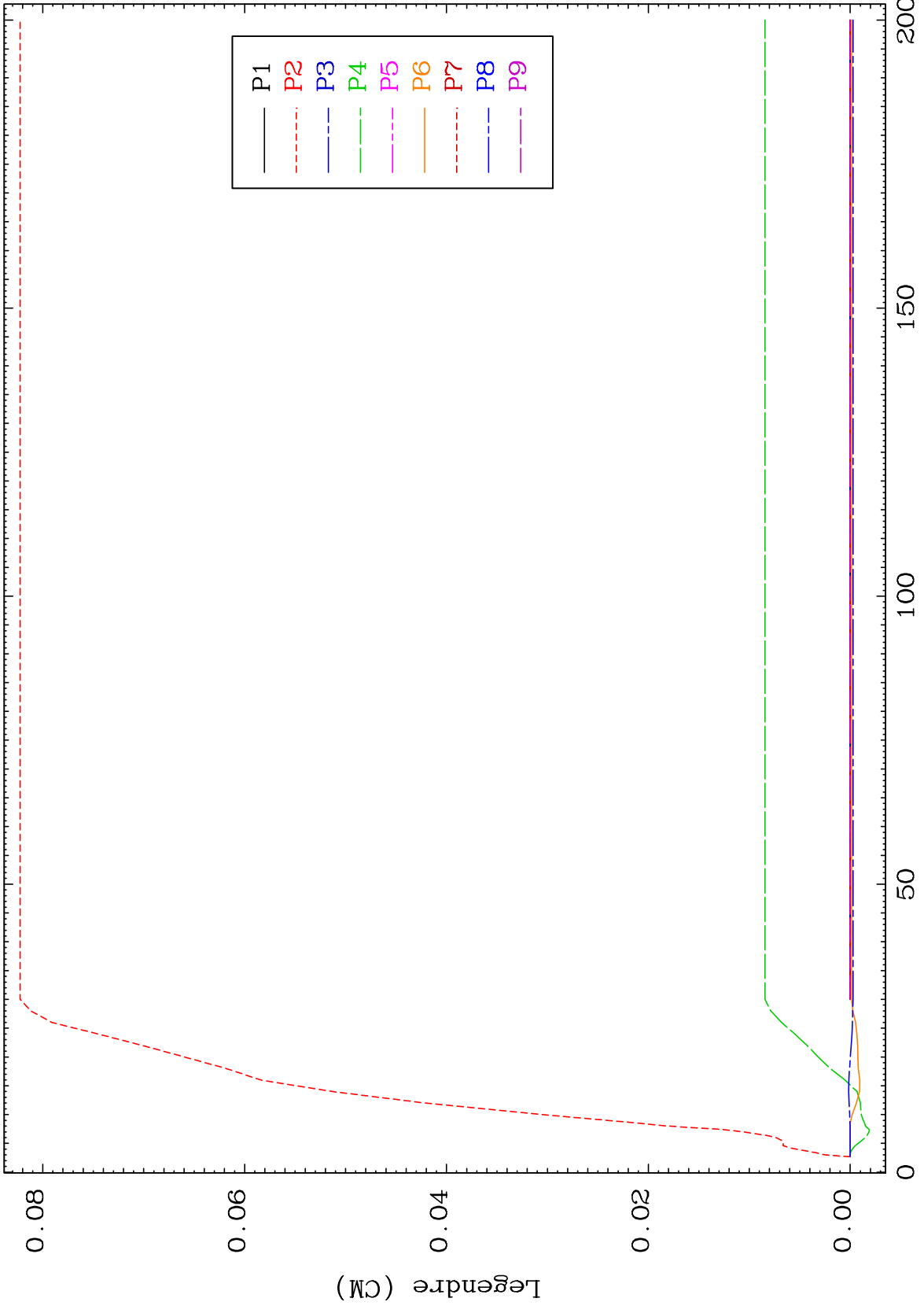
13-Al-28



47

13-Al-28

MAT 1328 MT= 61 (n,n') Level Legendre Coefficients 13-A1-28

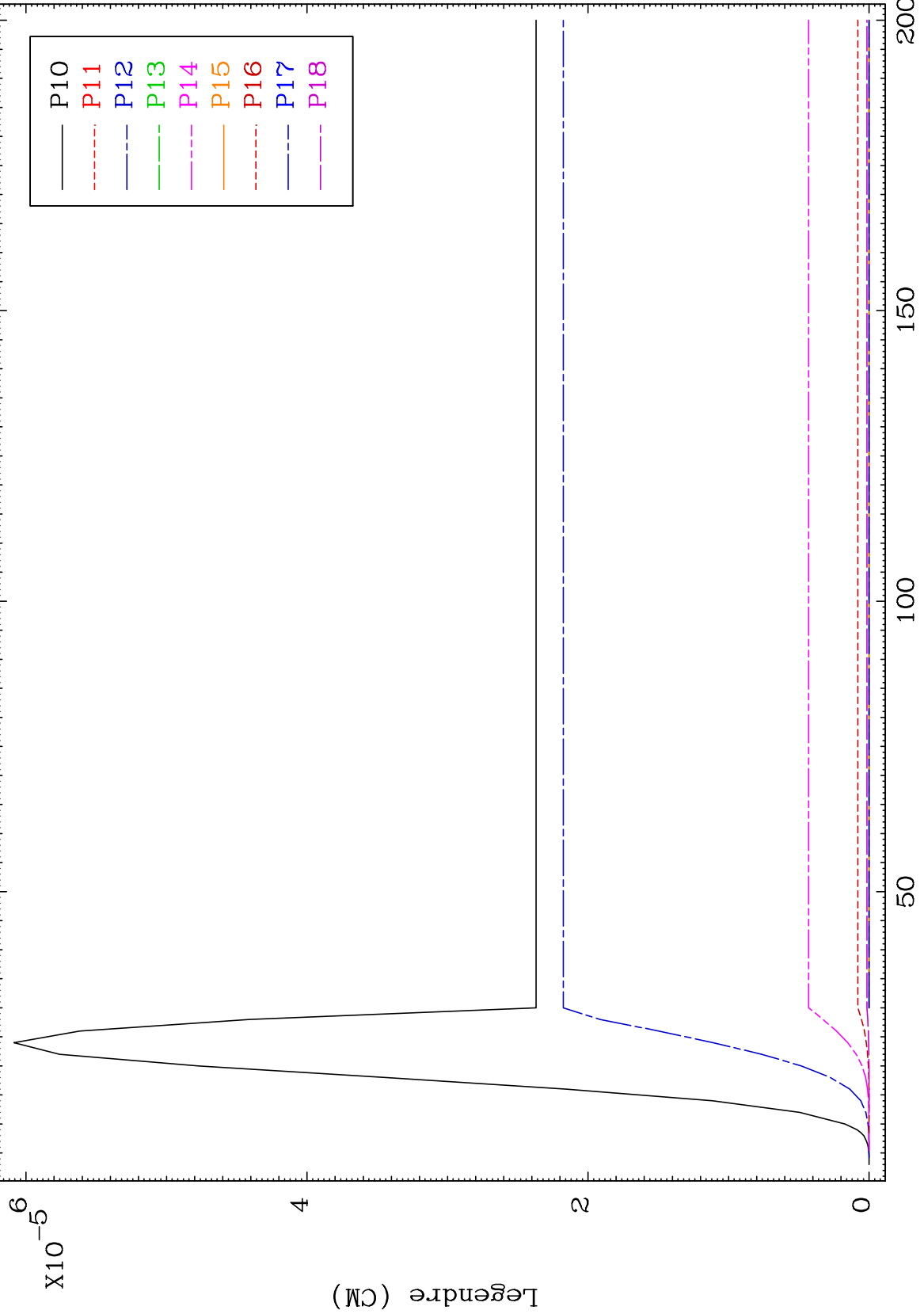


48 Incident Energy (MeV) 13-A1-28

MAT 1328

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

13-Al-28



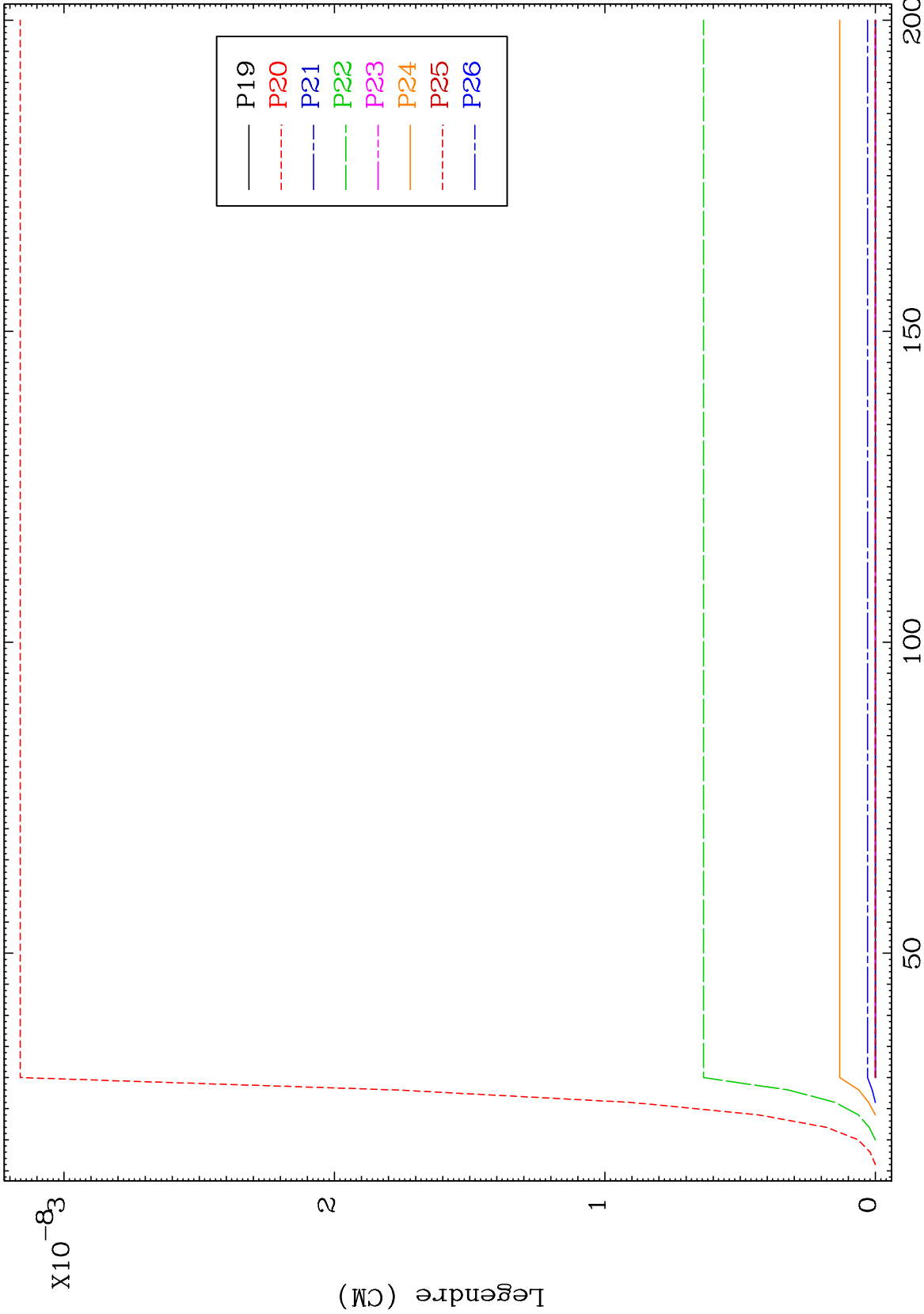
49

13-Al-28

MAT 1328

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

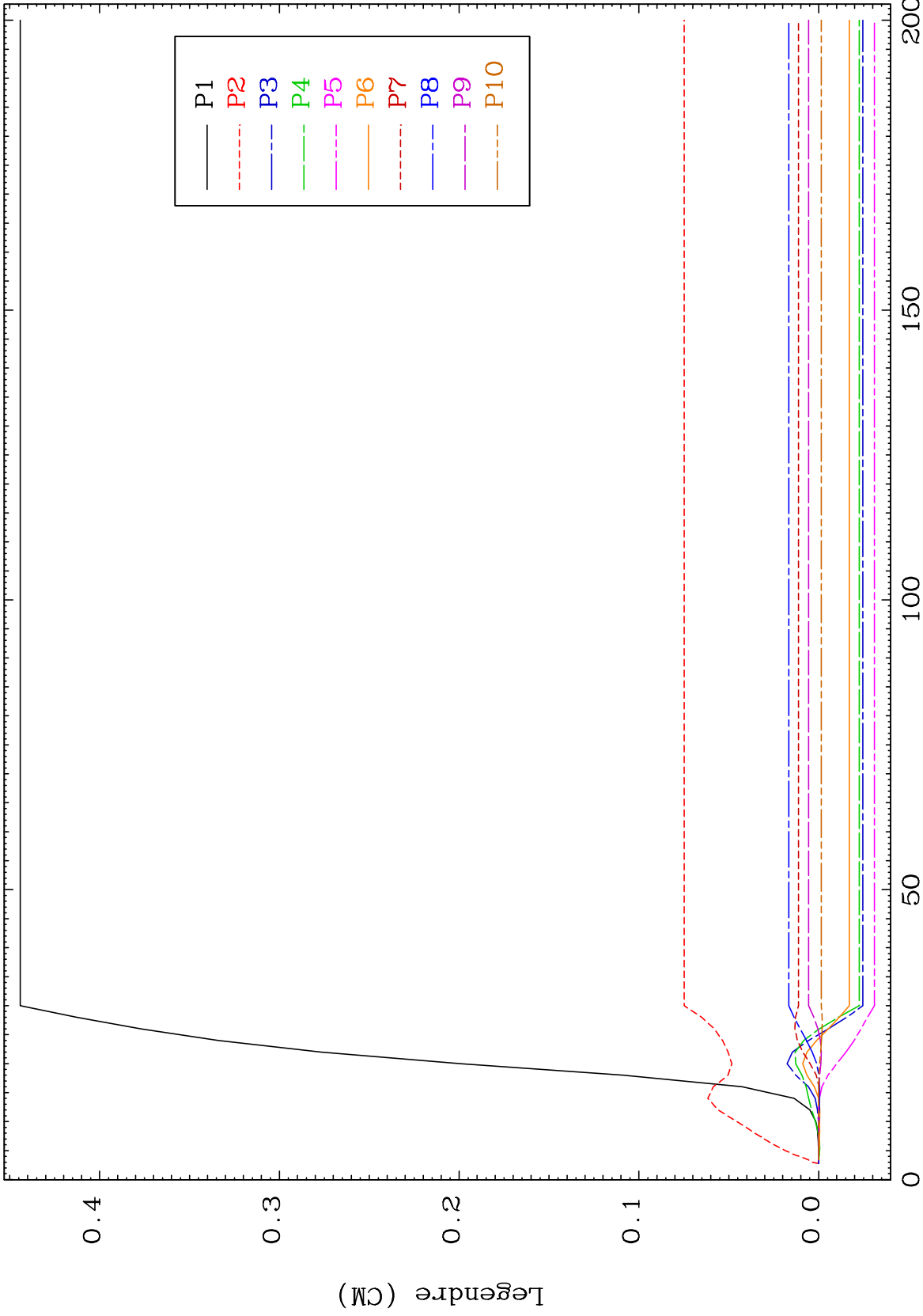
13-Al-28



50

Incident Energy (MeV)

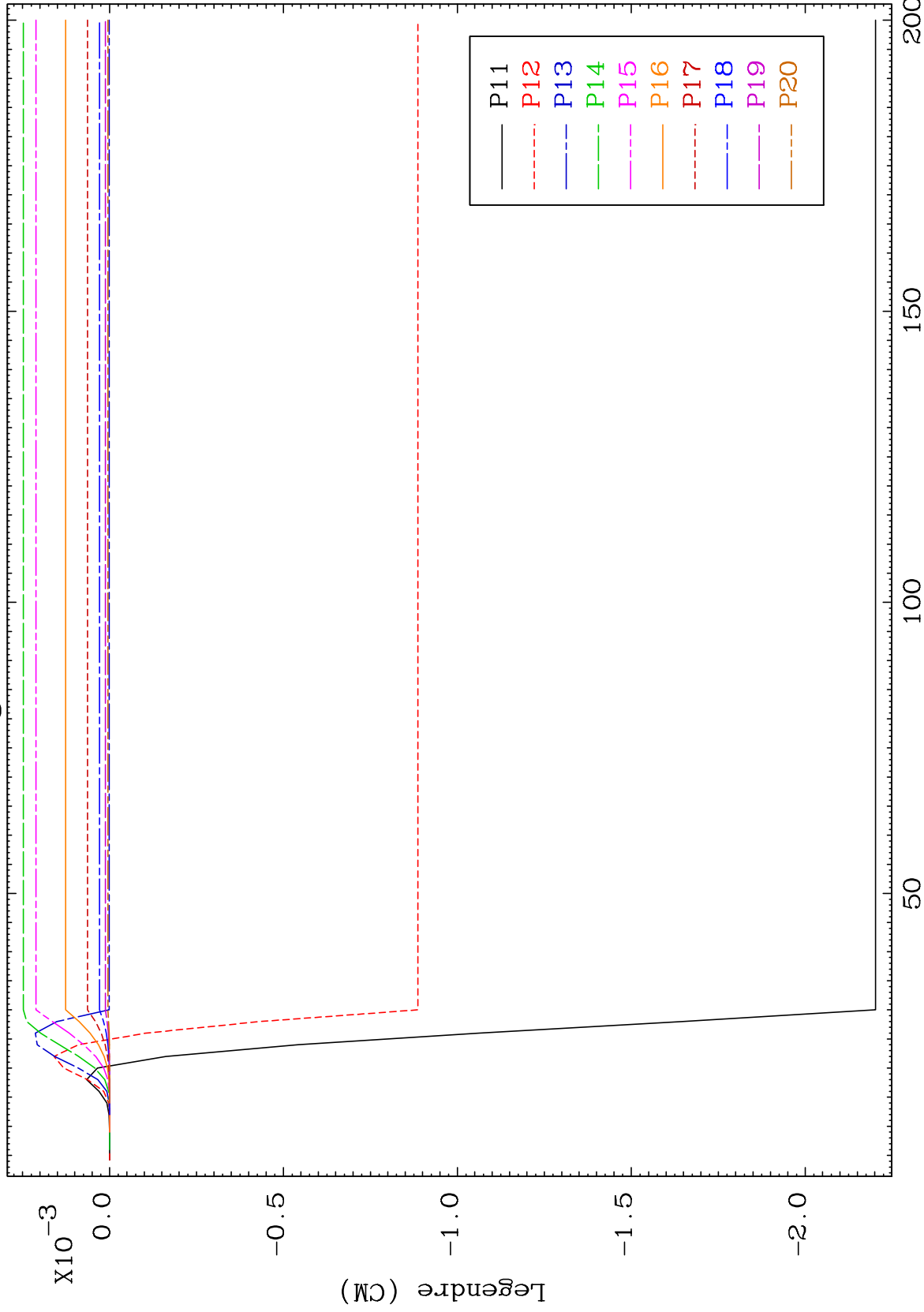
13-Al-28



MAT 1328

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

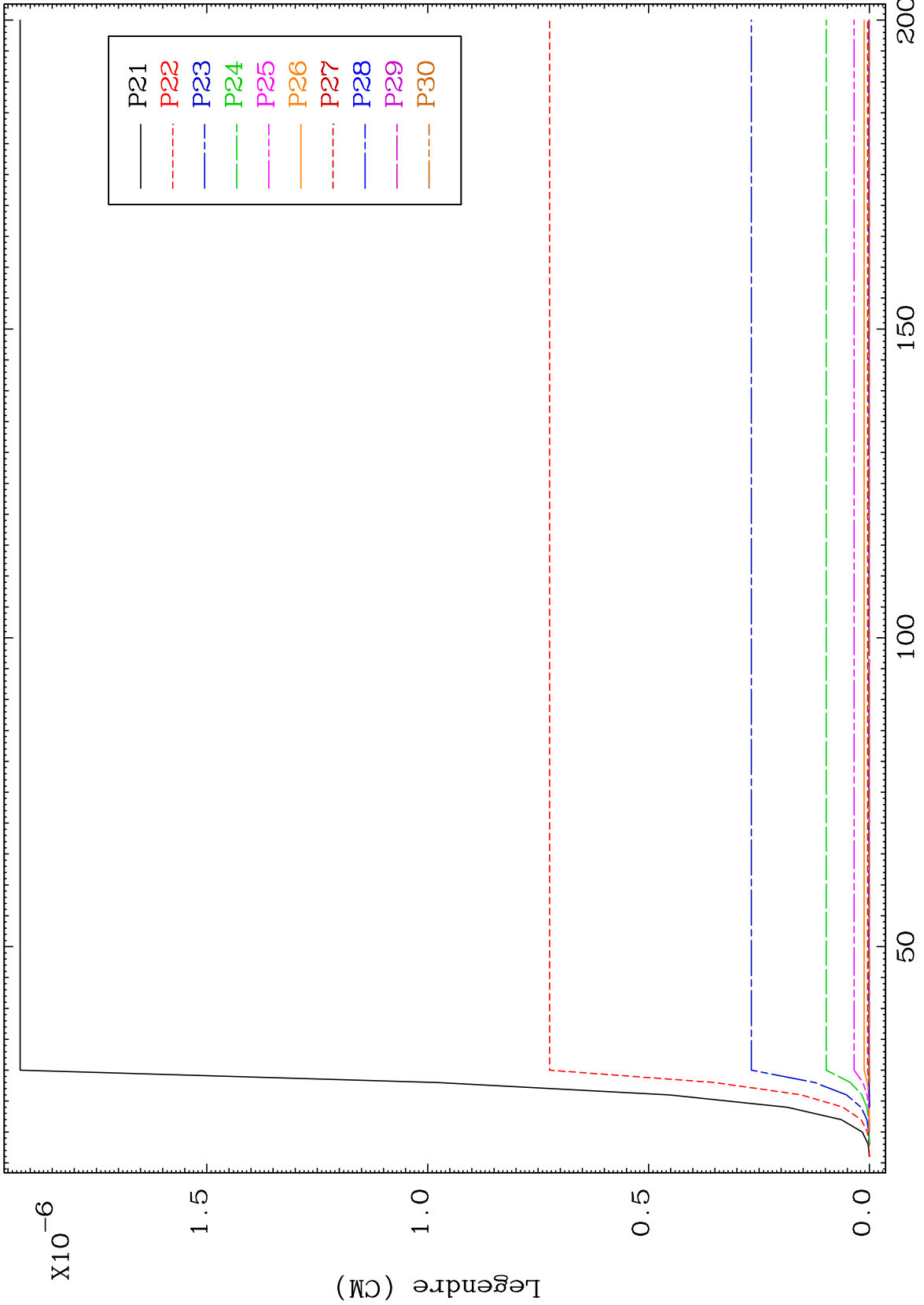
13-Al-28



52

Incident Energy (MeV)

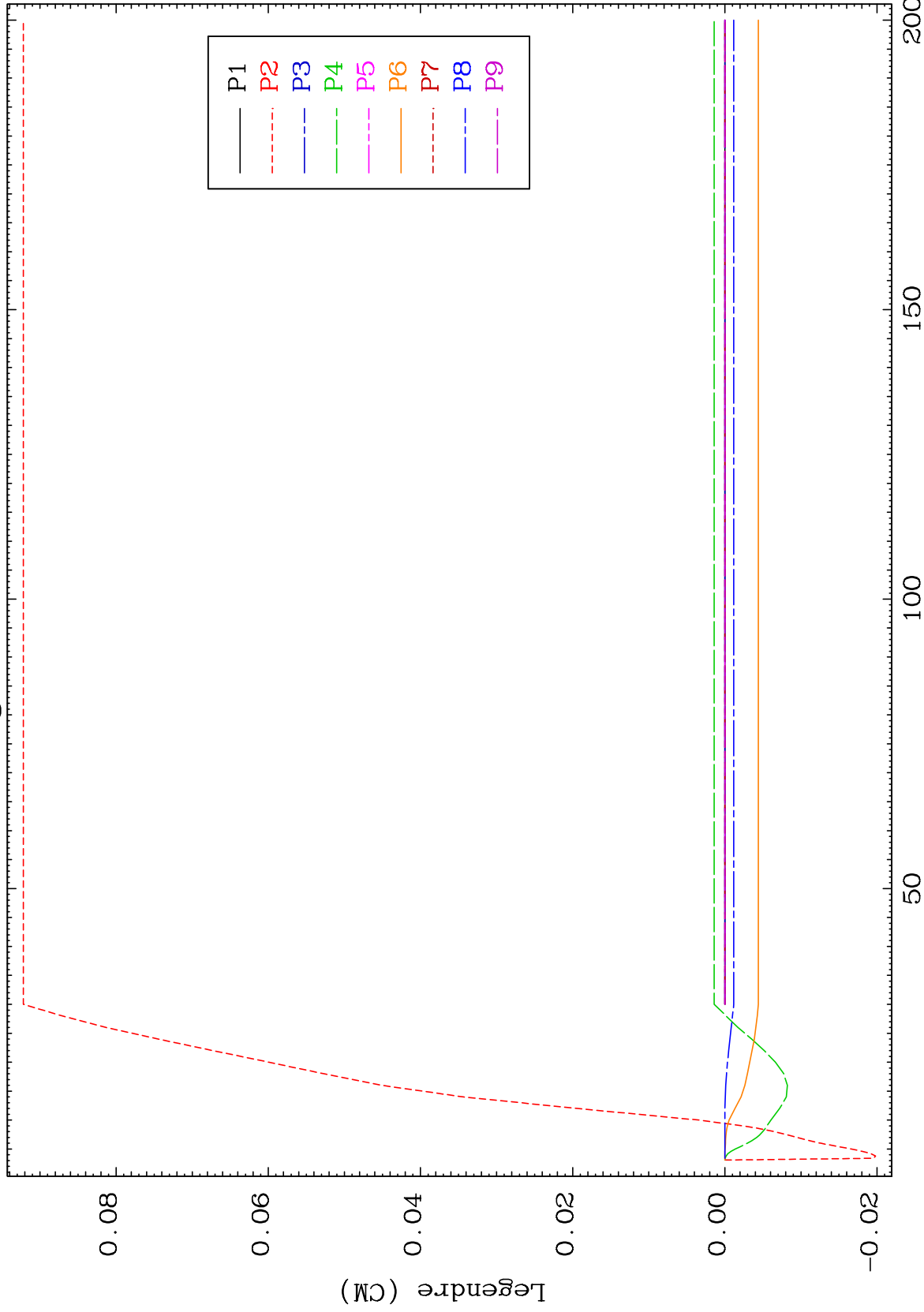
13-Al-28



MAT 1328

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

13-A1-28



54

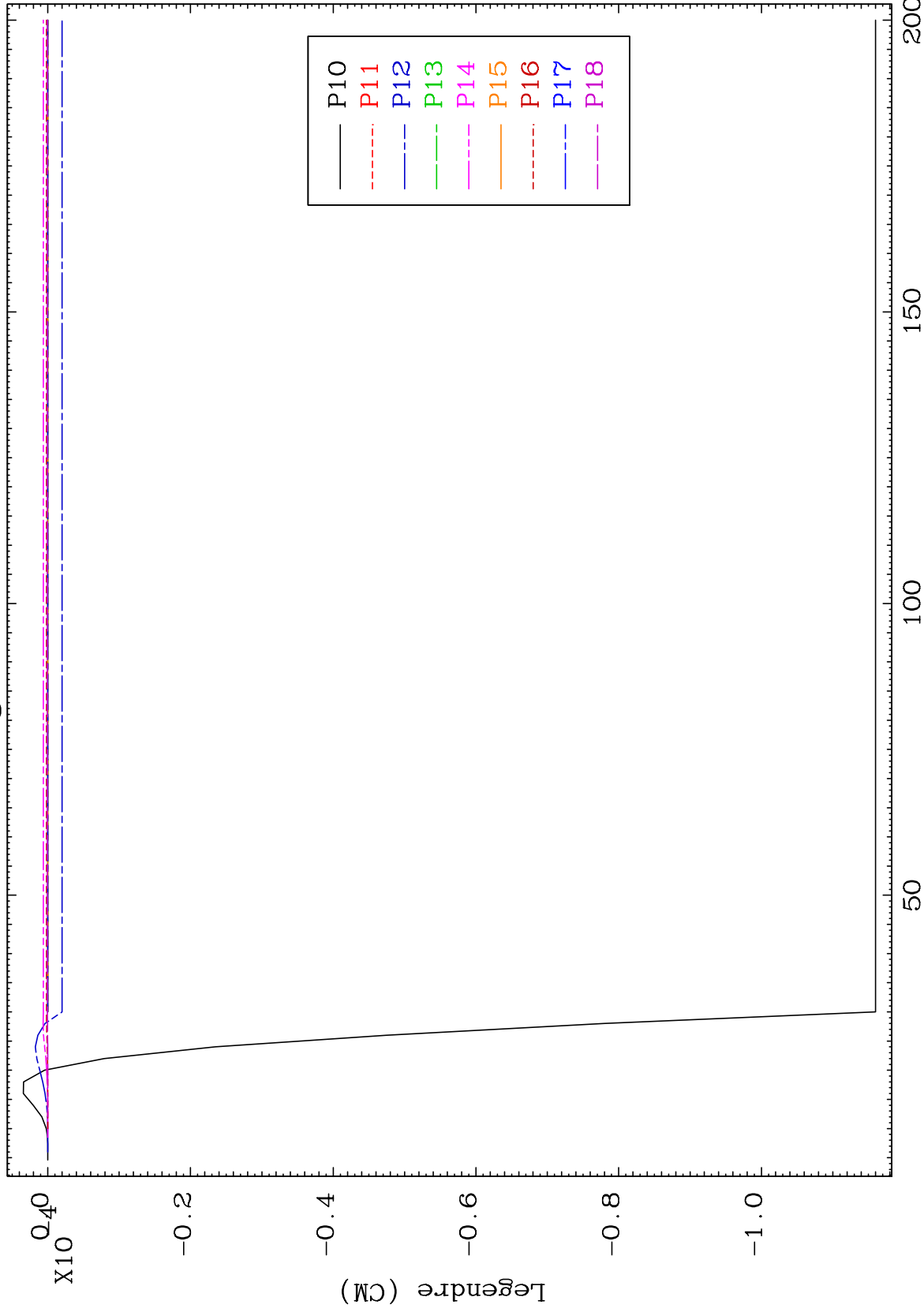
Incident Energy (MeV)

13-A1-28

MAT 1328

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

13-Al-28



55

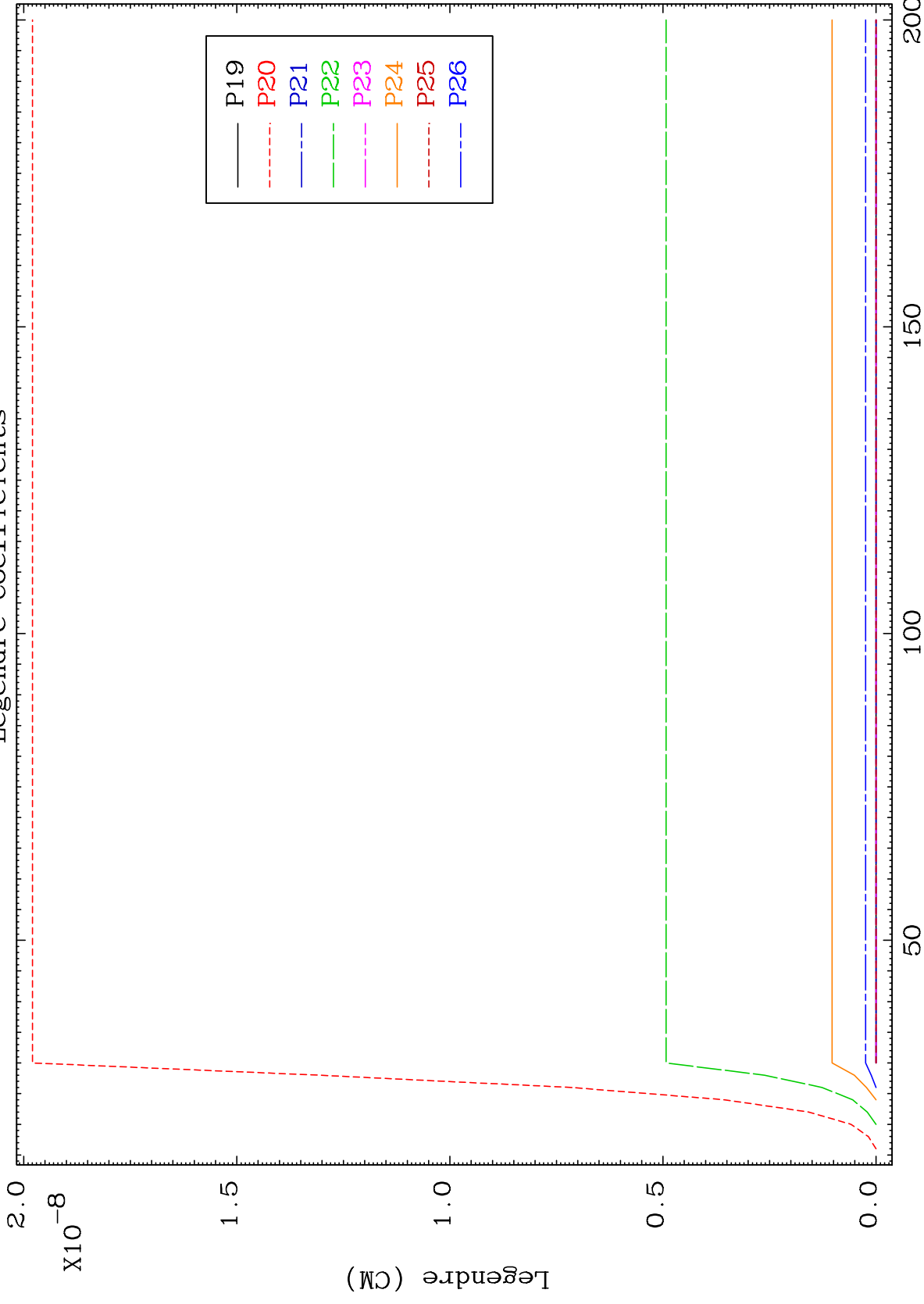
Incident Energy (MeV)

13-Al-28

MAT 1328

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

13-A1-28



13-A1-28

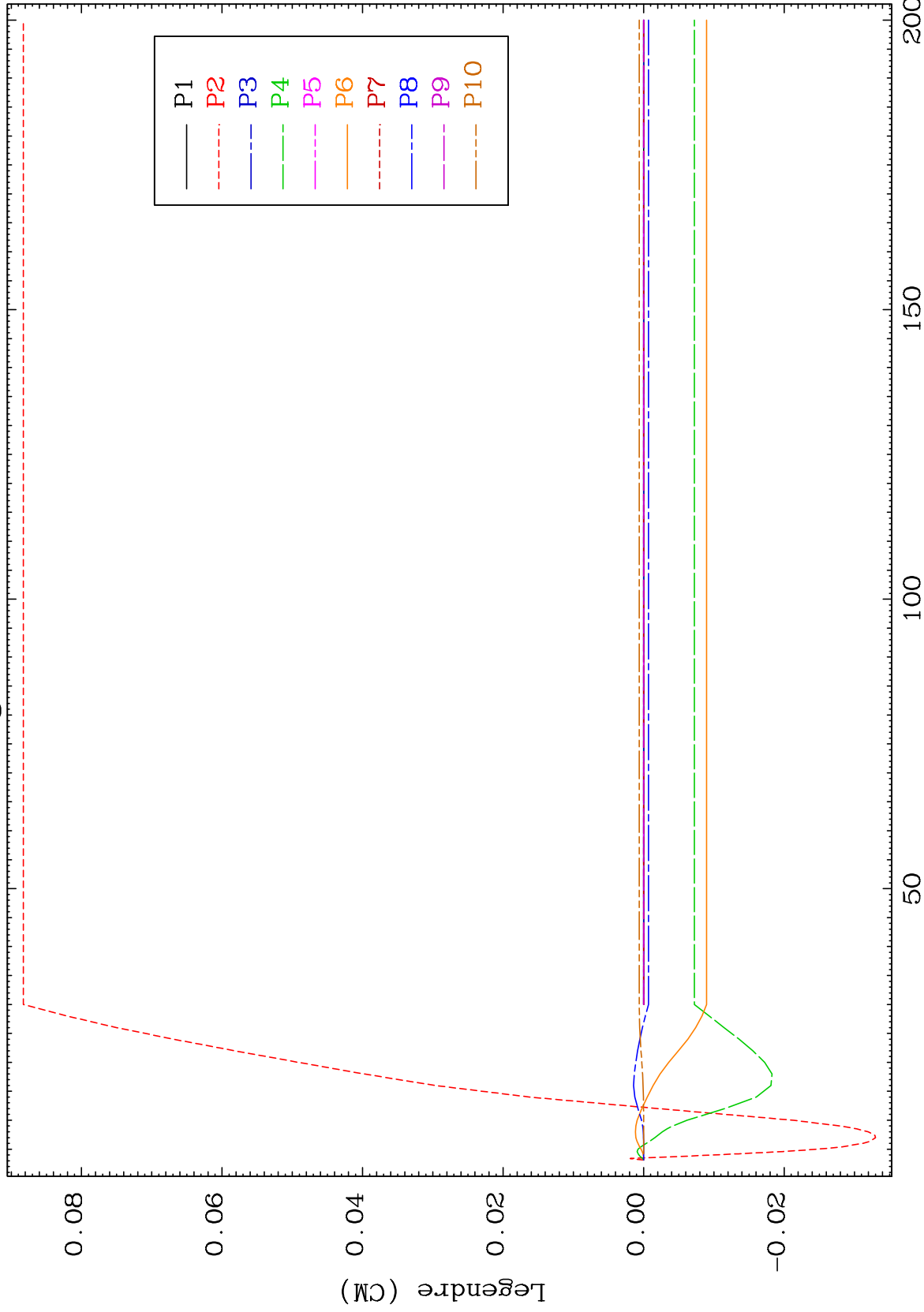
Incident Energy (MeV)

56

MAT 1328

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

13-Al-28



57

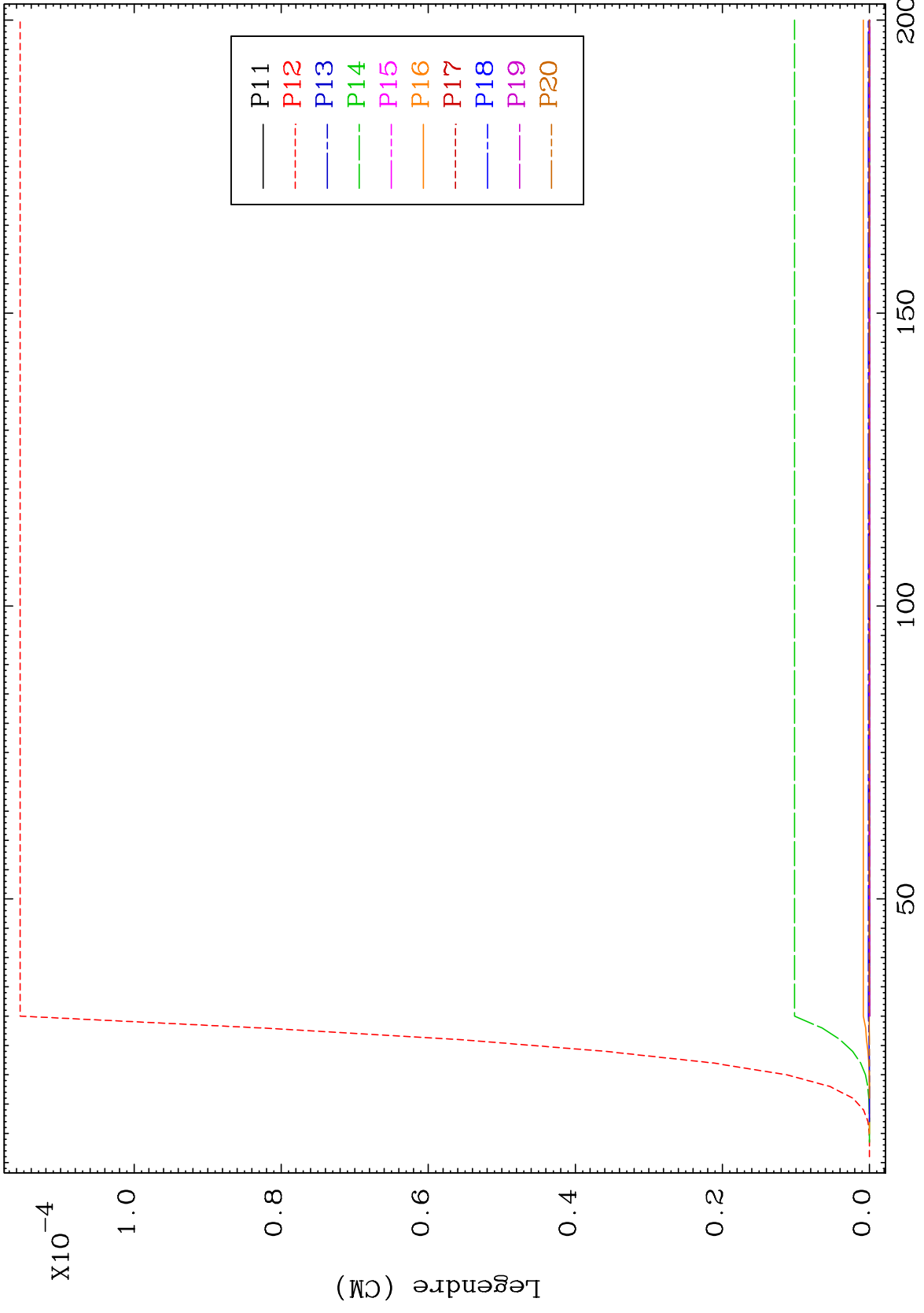
Incident Energy (MeV)

13-Al-28

MAT 1328

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

13-Al-28



58

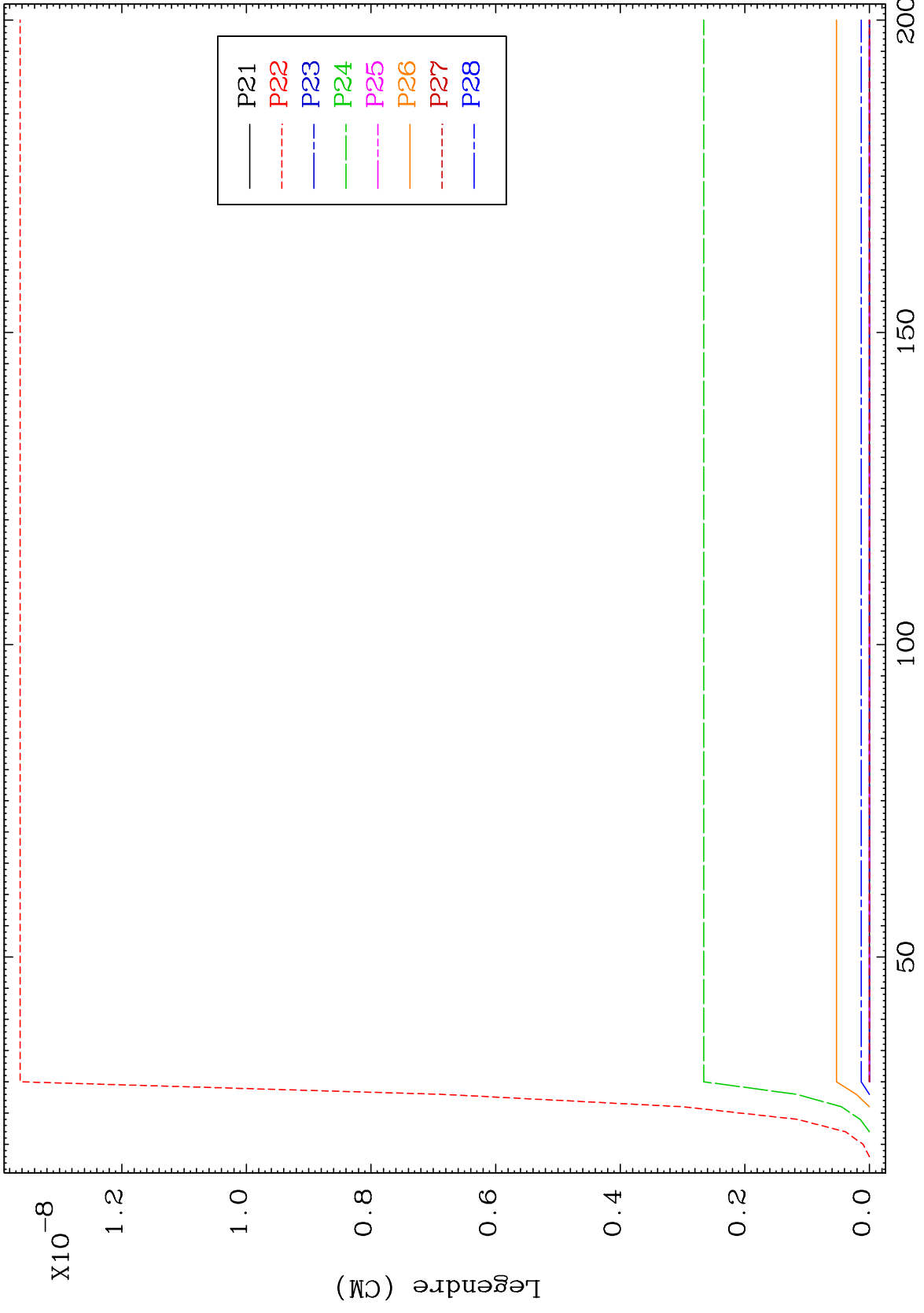
Incident Energy (MeV)

13-Al-28

MAT 1328

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

13-Al-28



59

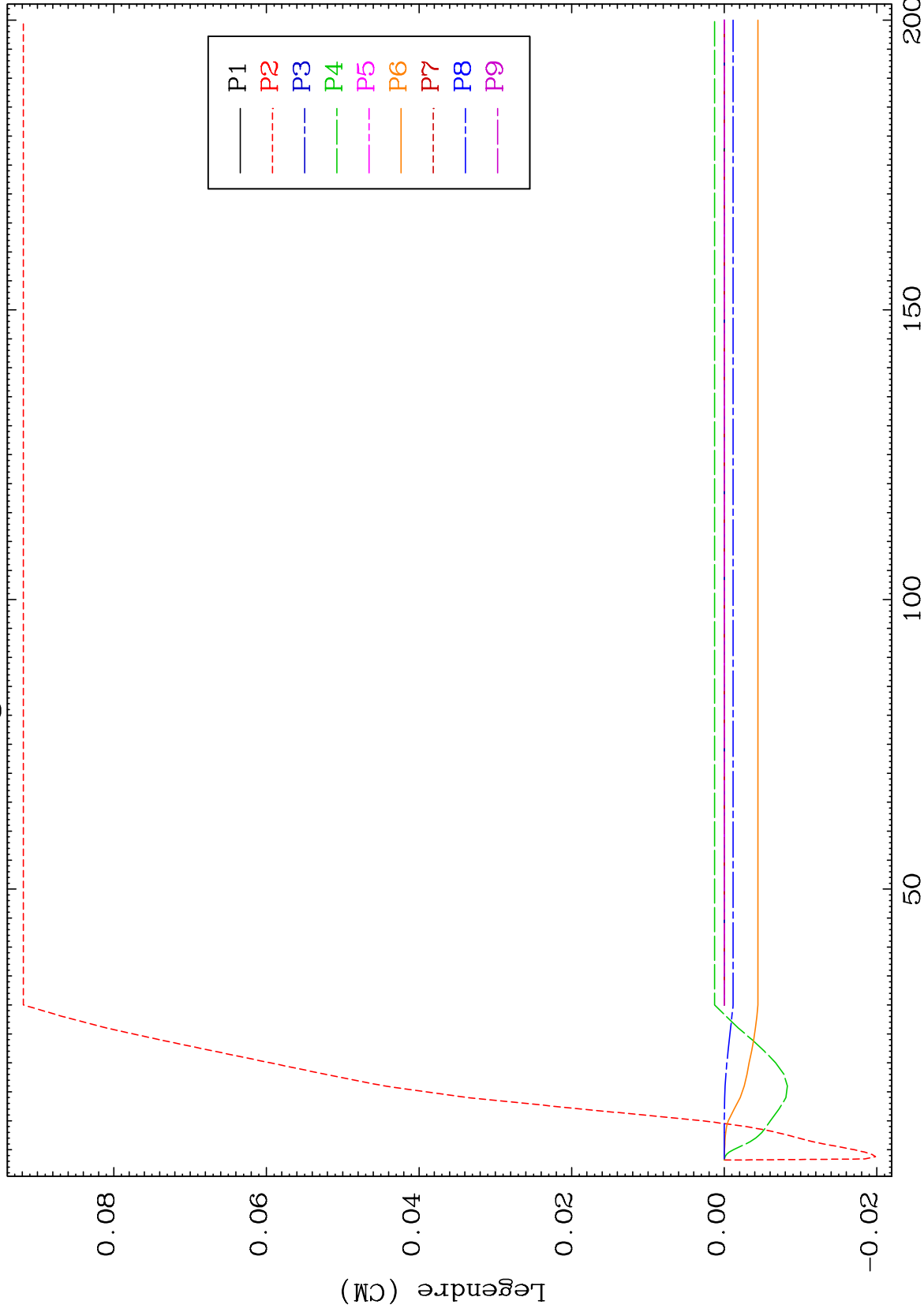
Incident Energy (MeV)

13-Al-28

MAT 1328

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

13-A1-28



60

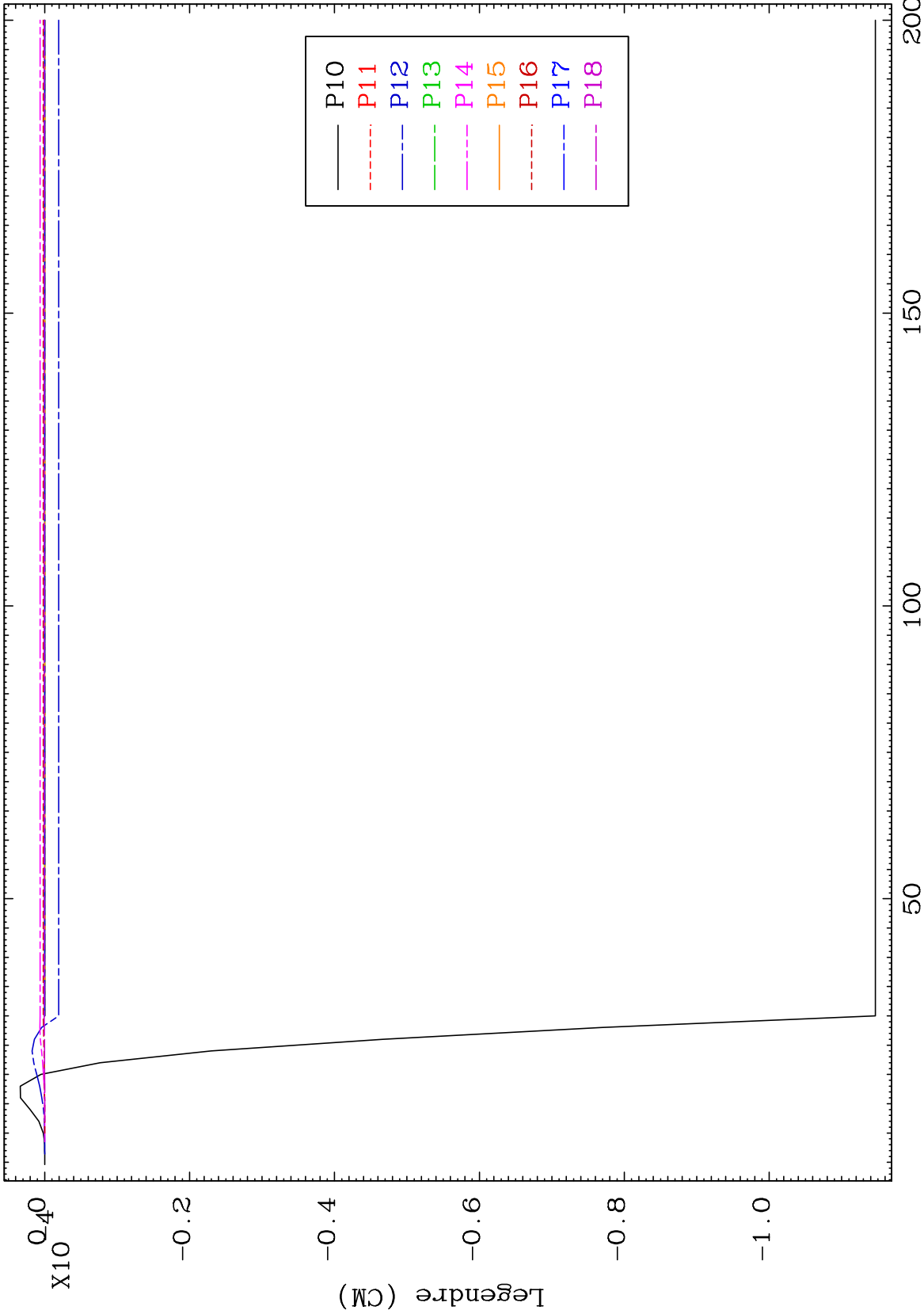
Incident Energy (MeV)

13-A1-28

MAT 1328

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

13-Al-28



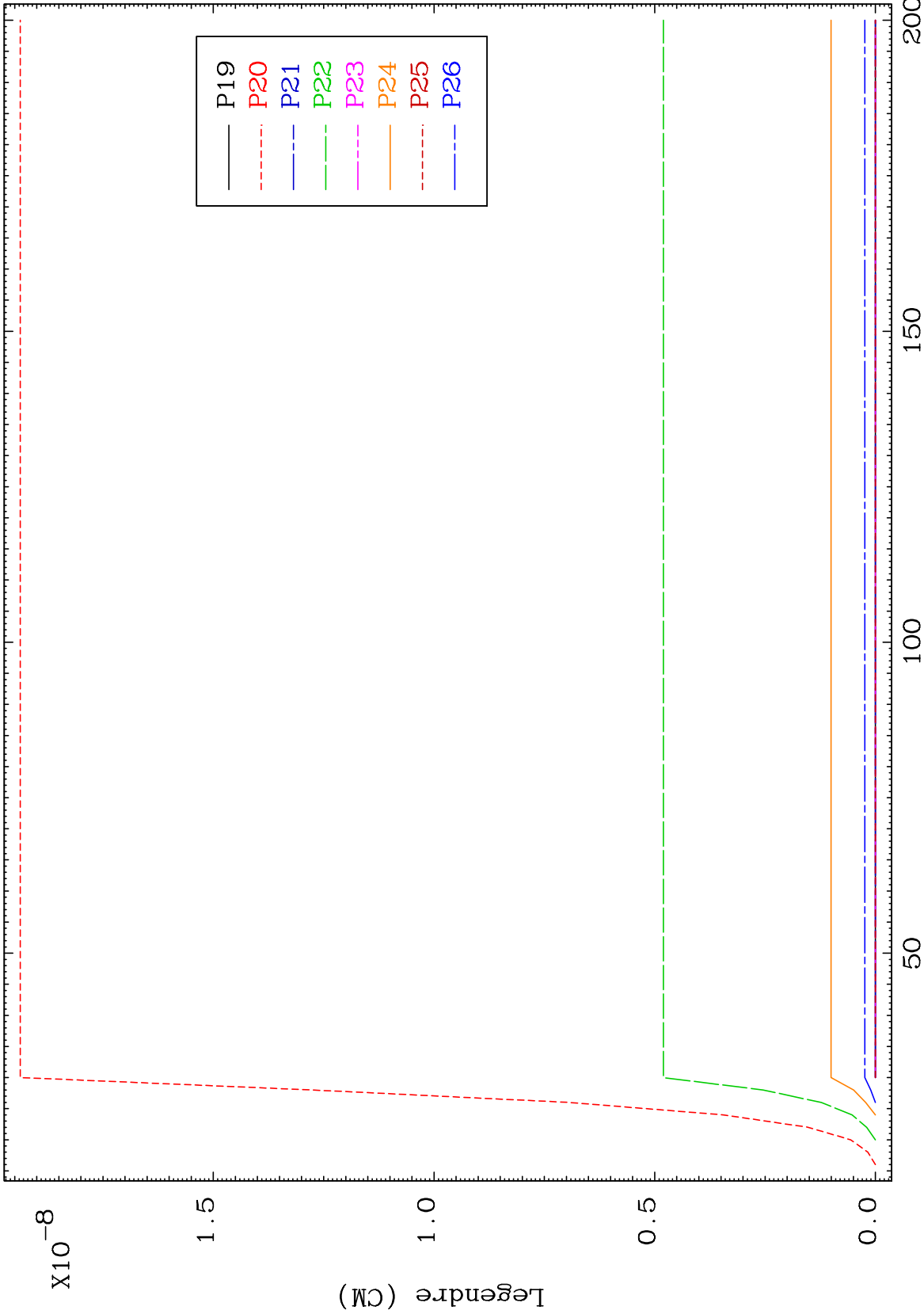
61

13-Al-28

MAT 1328

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

13-A1-28

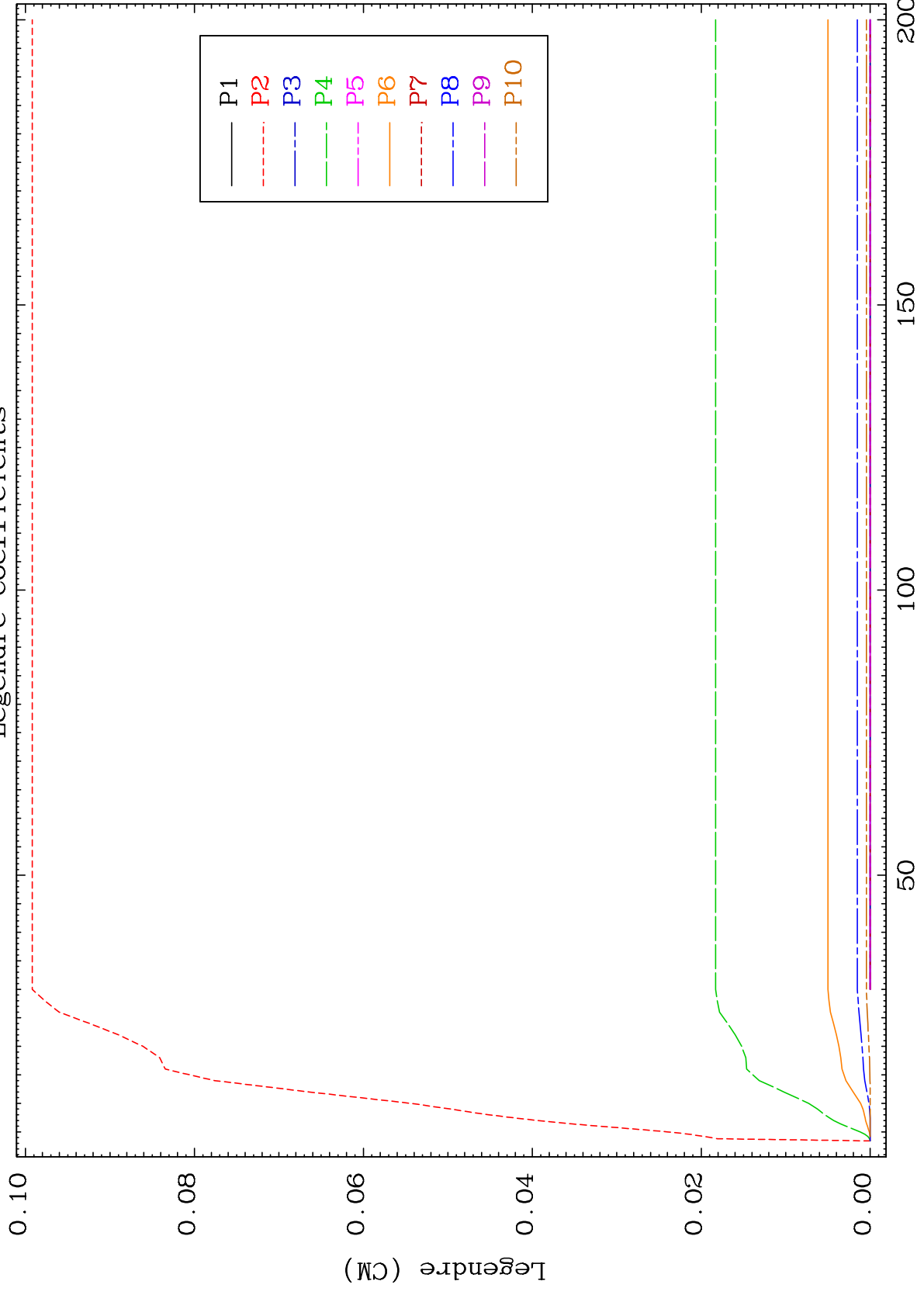


62

Incident Energy (MeV)

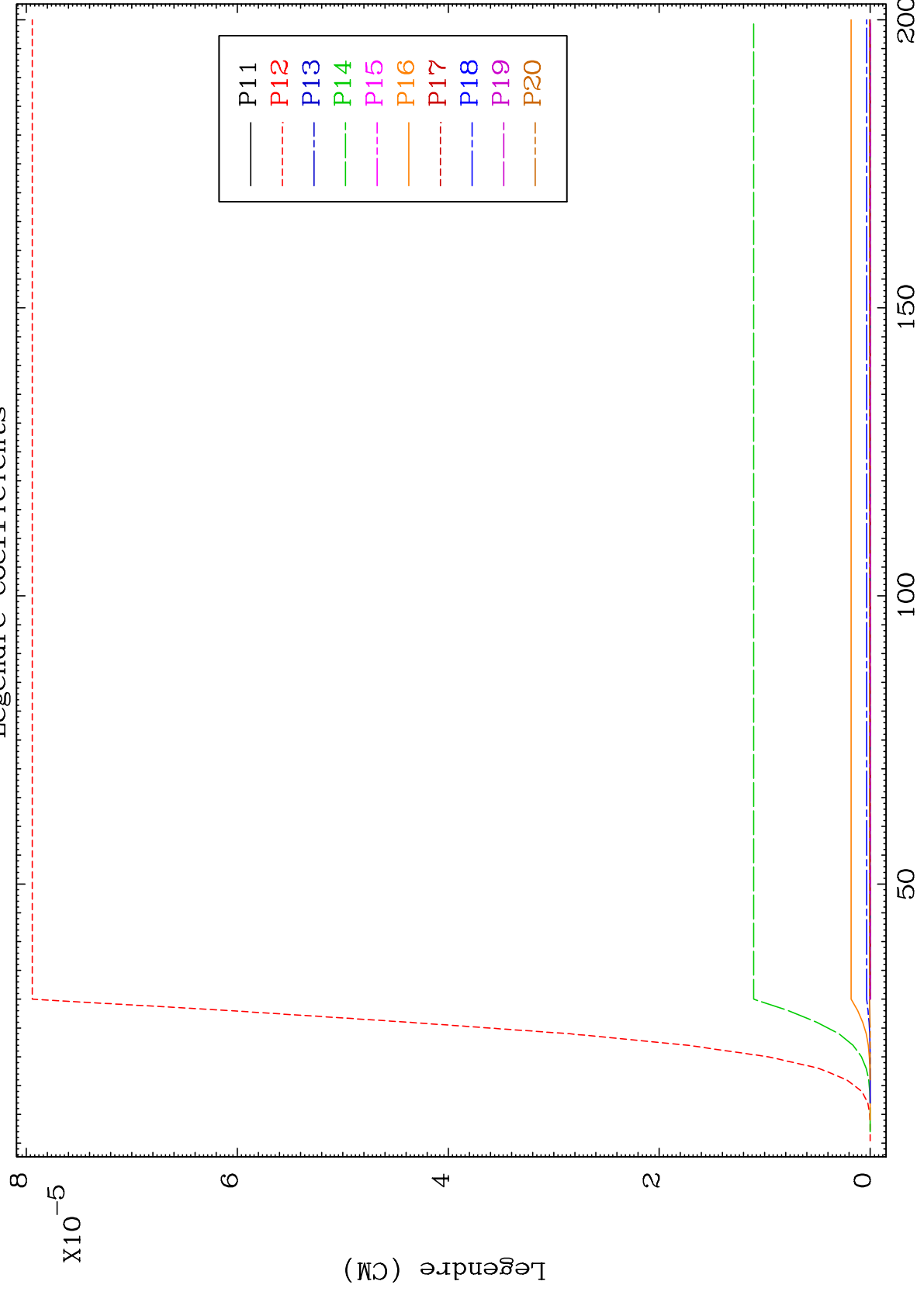
13-A1-28

MAT 1328 MT= 66 (n,n') Level Legendre Coefficients 13-Al-28



63 13-Al-28

MAT 1328 MT= 66 (n,n') Level Legendre Coefficients 13-Al-28

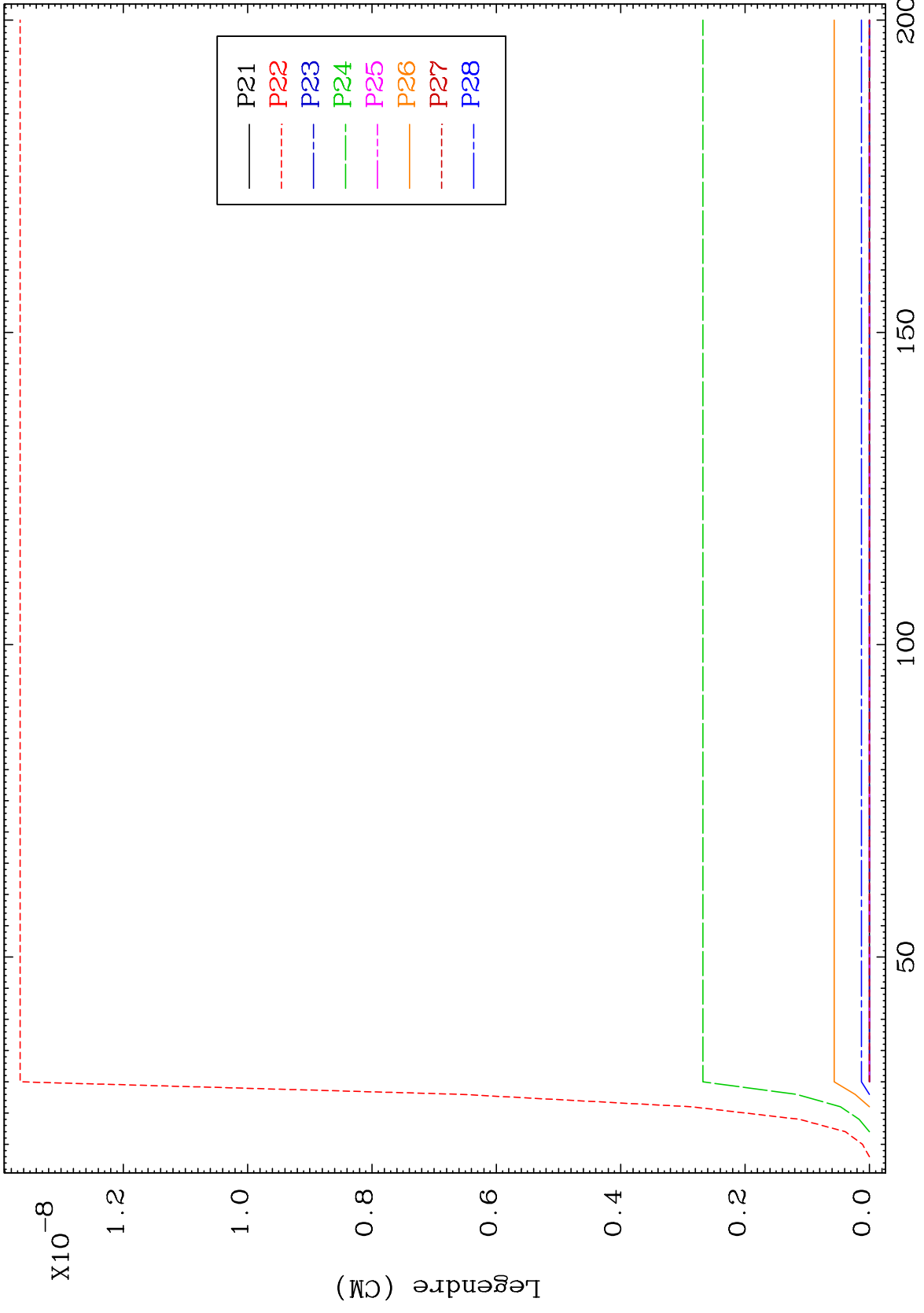


64 13-Al-28

MAT 1328

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

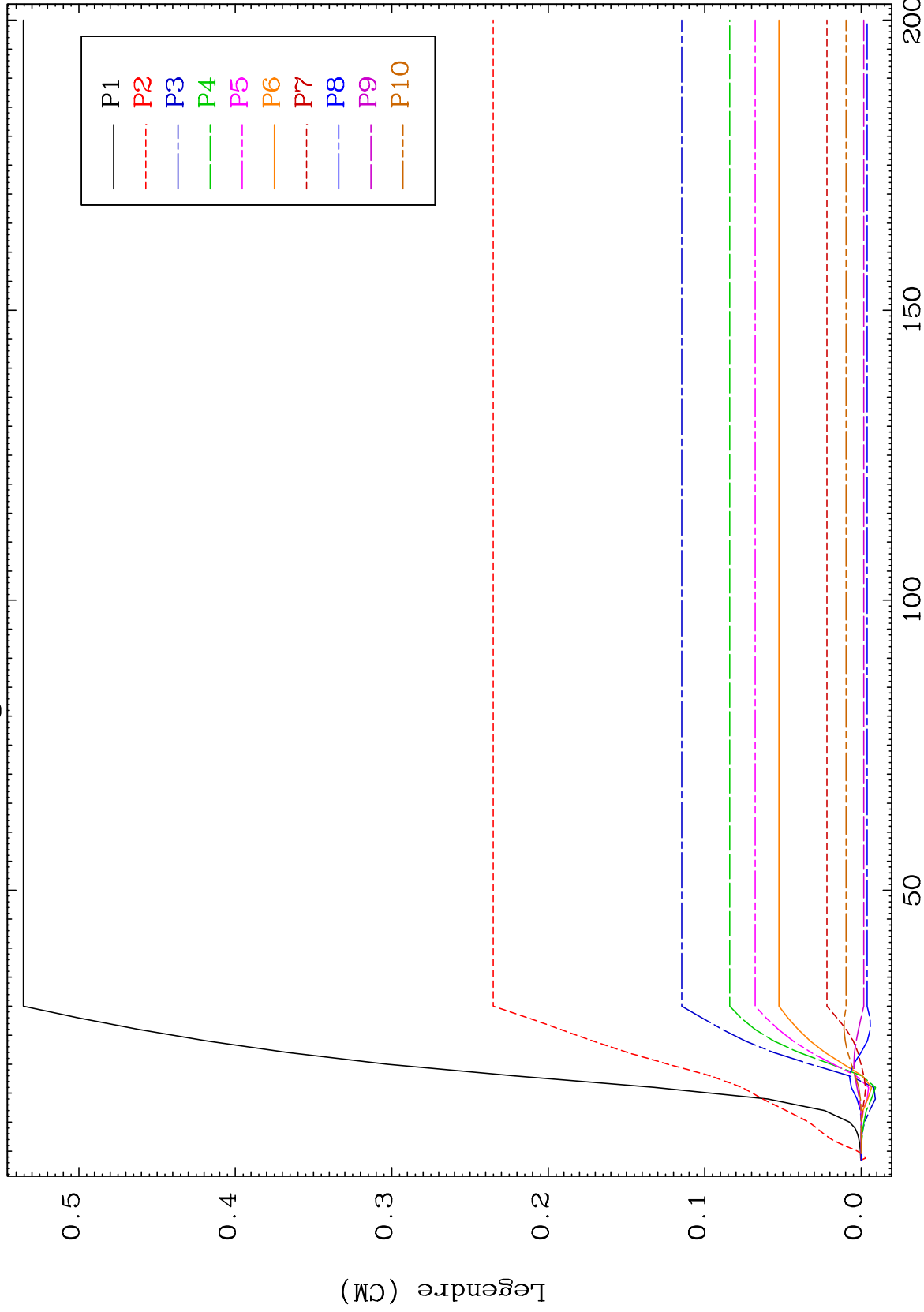
13-Al-28



65

Incident Energy (MeV)

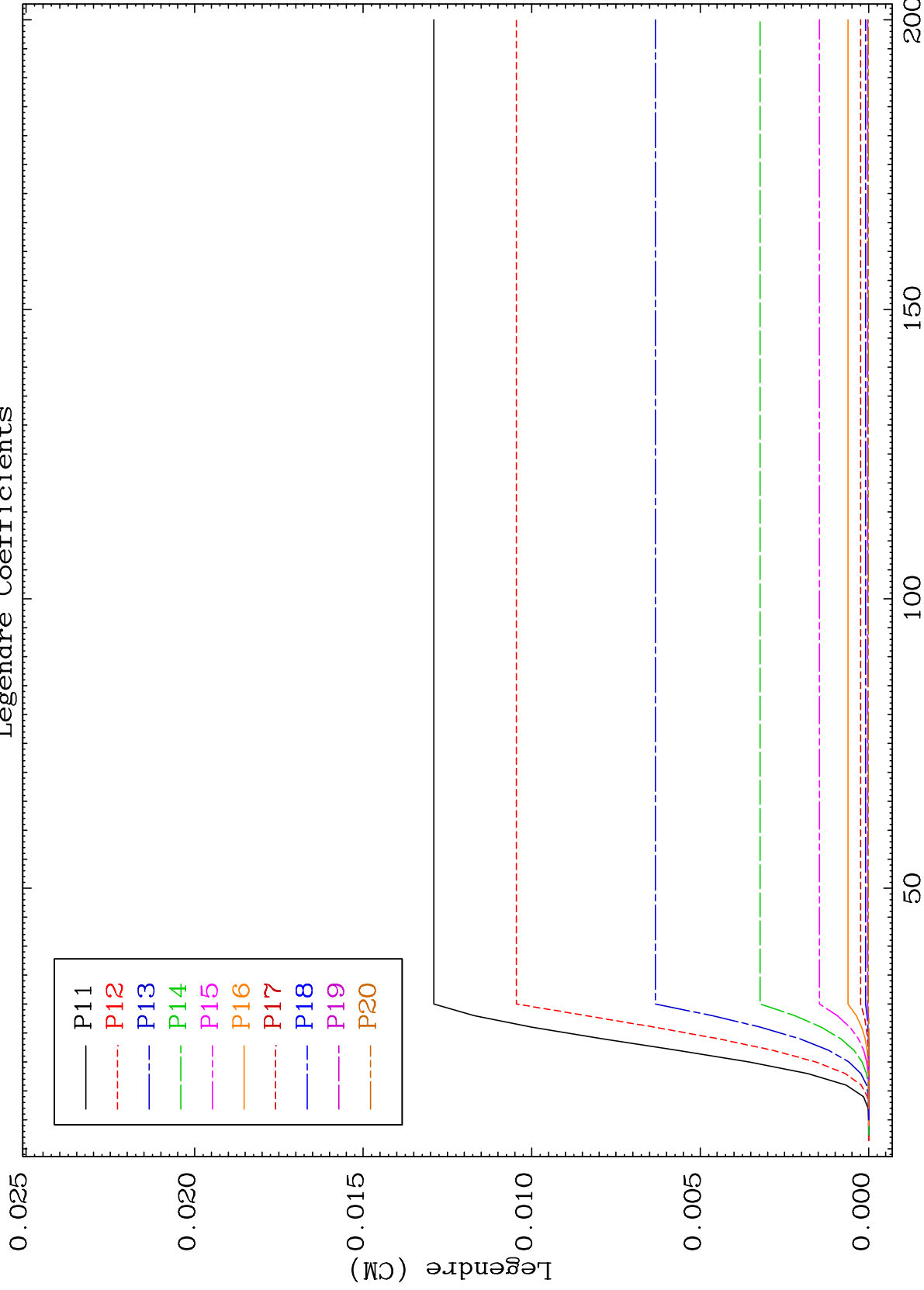
13-Al-28



MAT 1328

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

13-A1-28



67

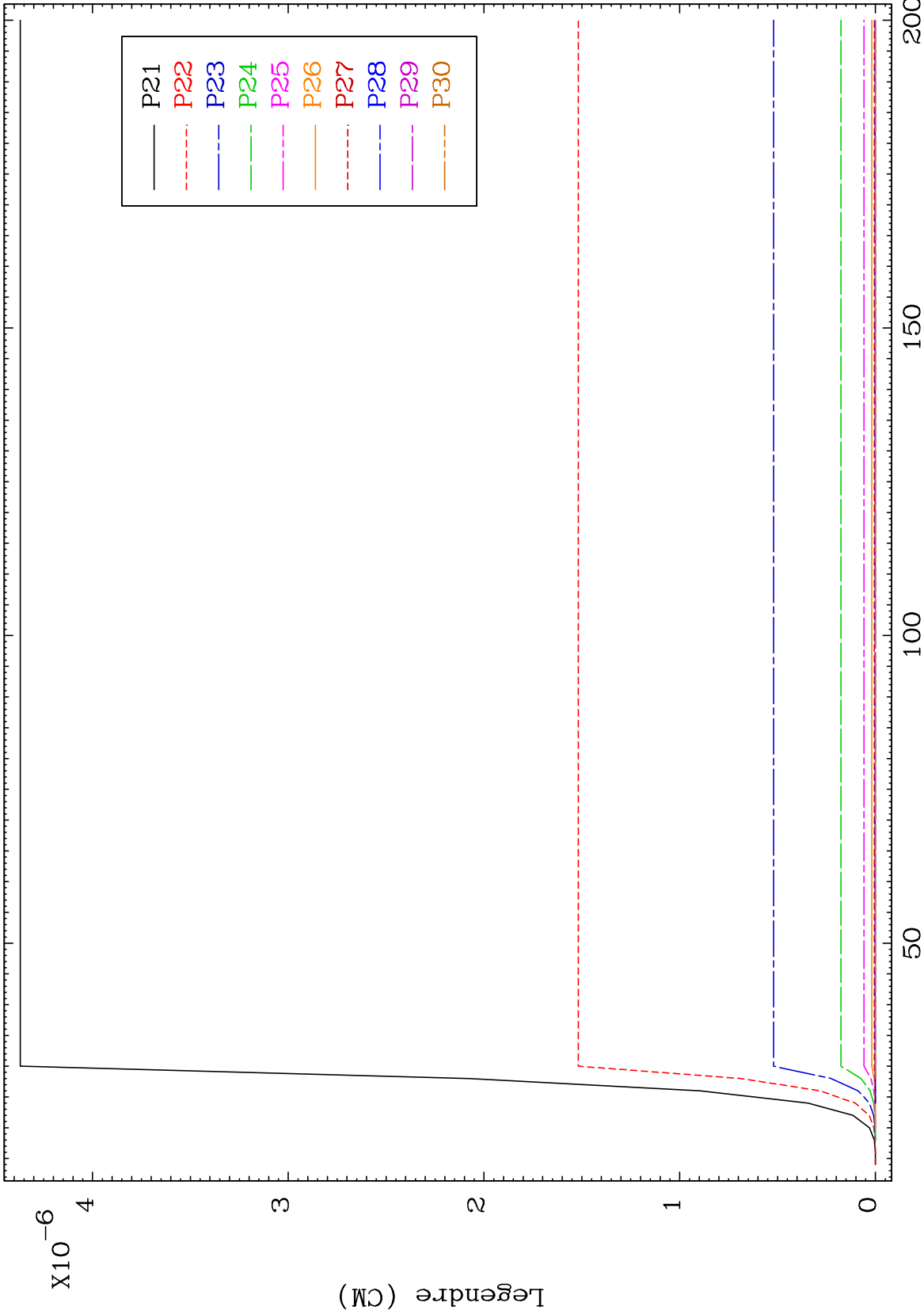
Incident Energy (MeV)

13-A1-28

MAT 1328

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

13-Al-28



68

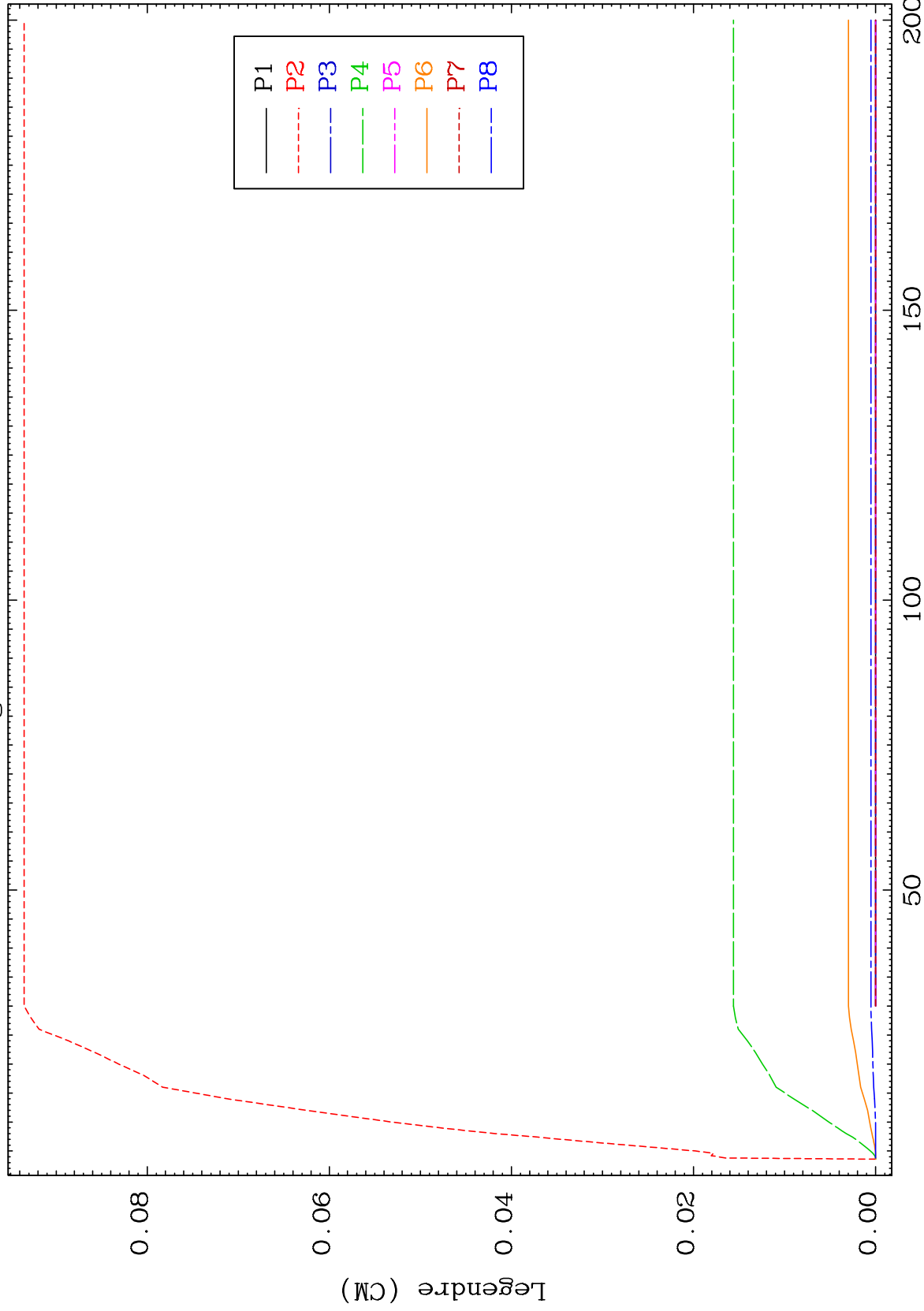
Incident Energy (MeV)

13-Al-28

MAT 1328

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

13-Al-28



69

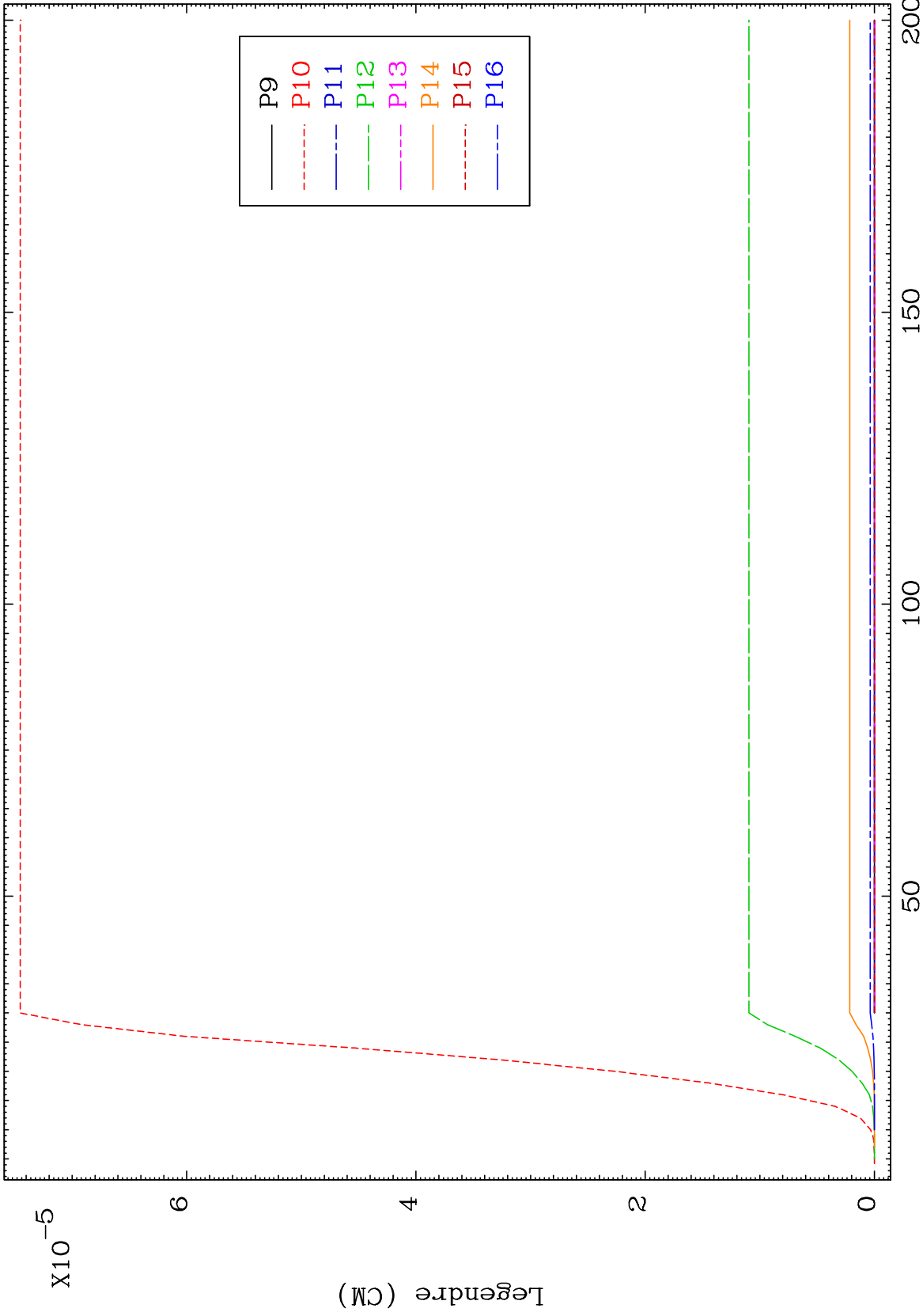
Incident Energy (MeV)

13-Al-28

MAT 1328

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

13-Al-28



70

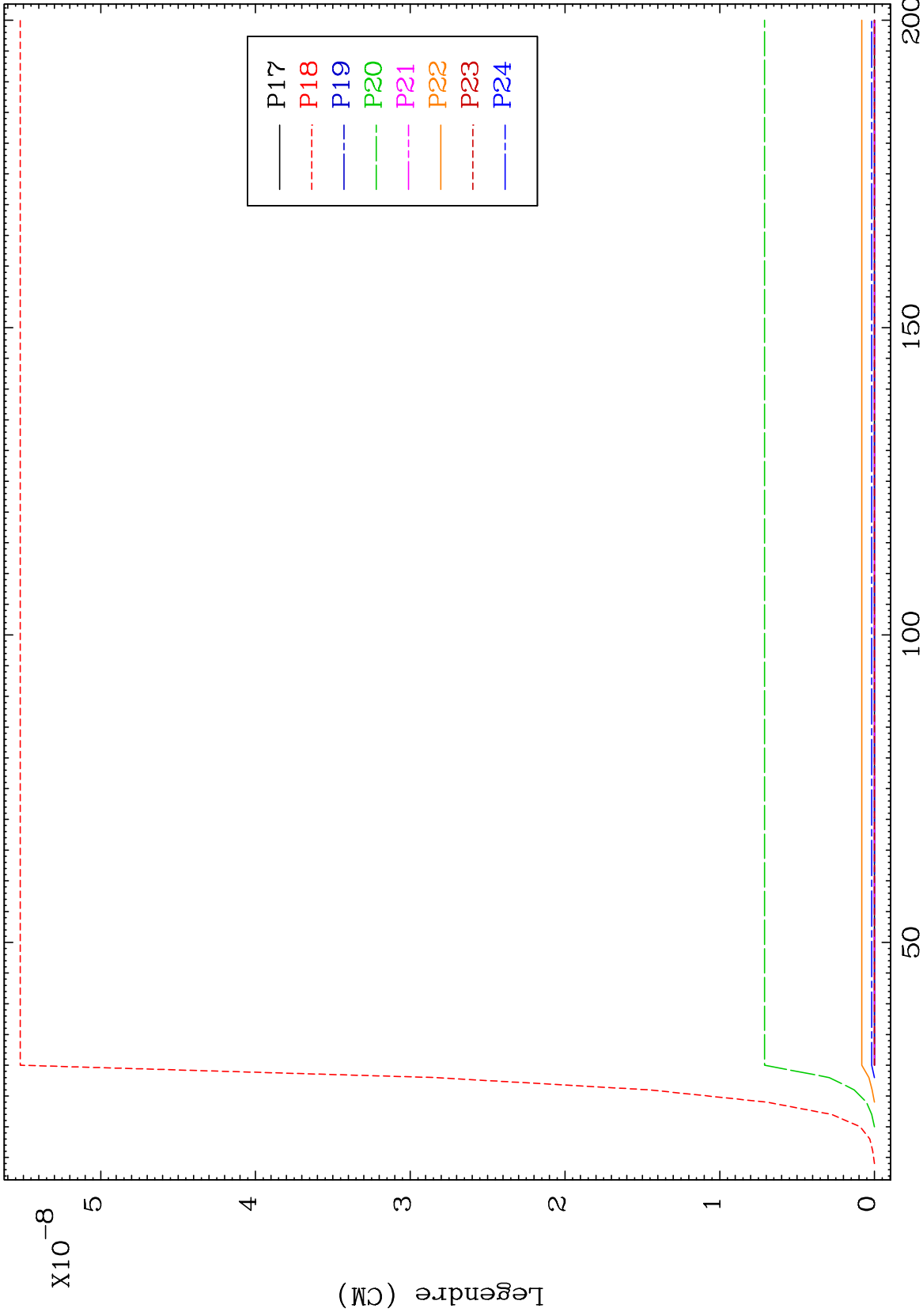
Incident Energy (MeV)

13-Al-28

MAT 1328

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

13-Al-28



71

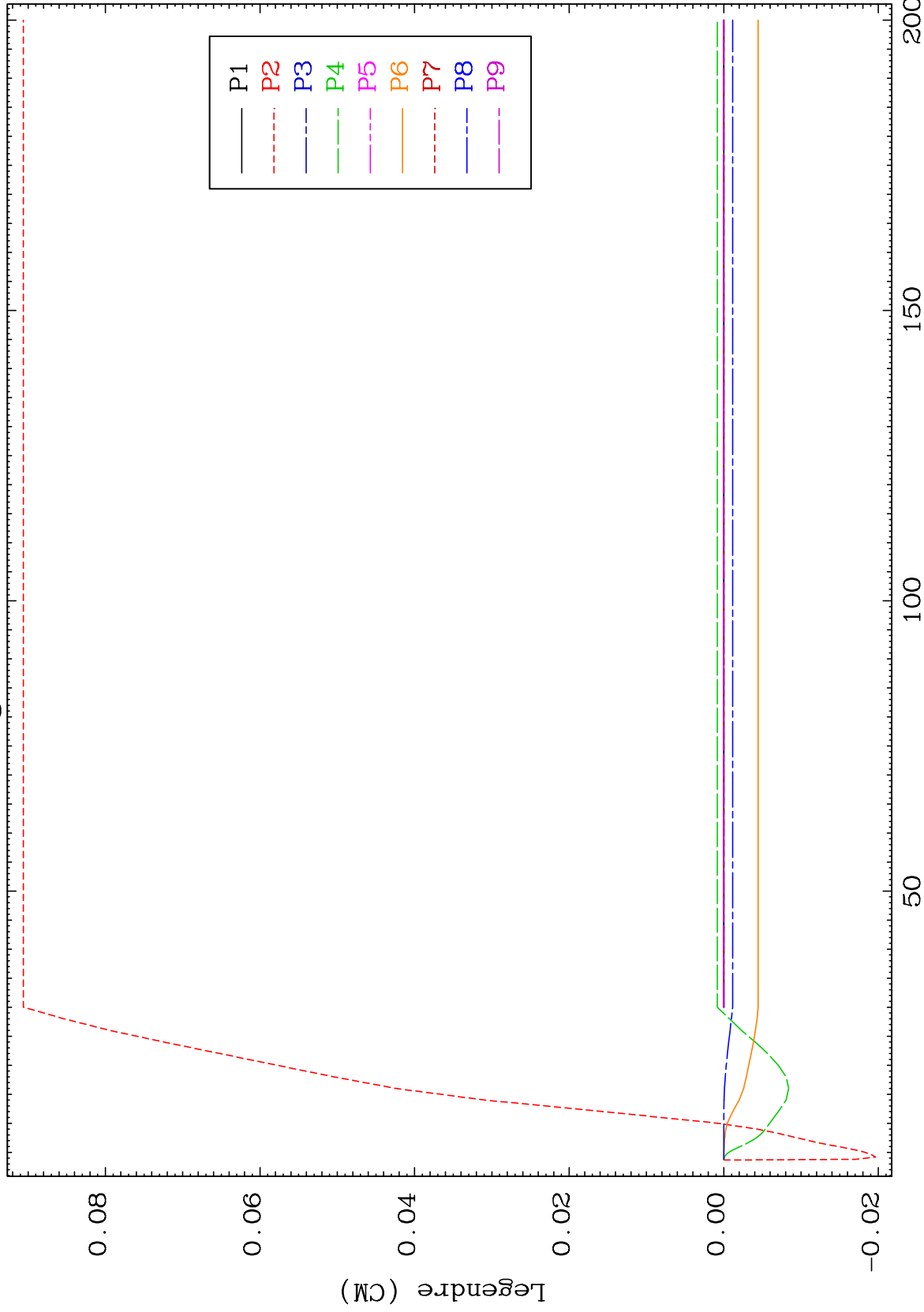
Incident Energy (MeV)

13-Al-28

MAT 1328

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

13-A1-28



72

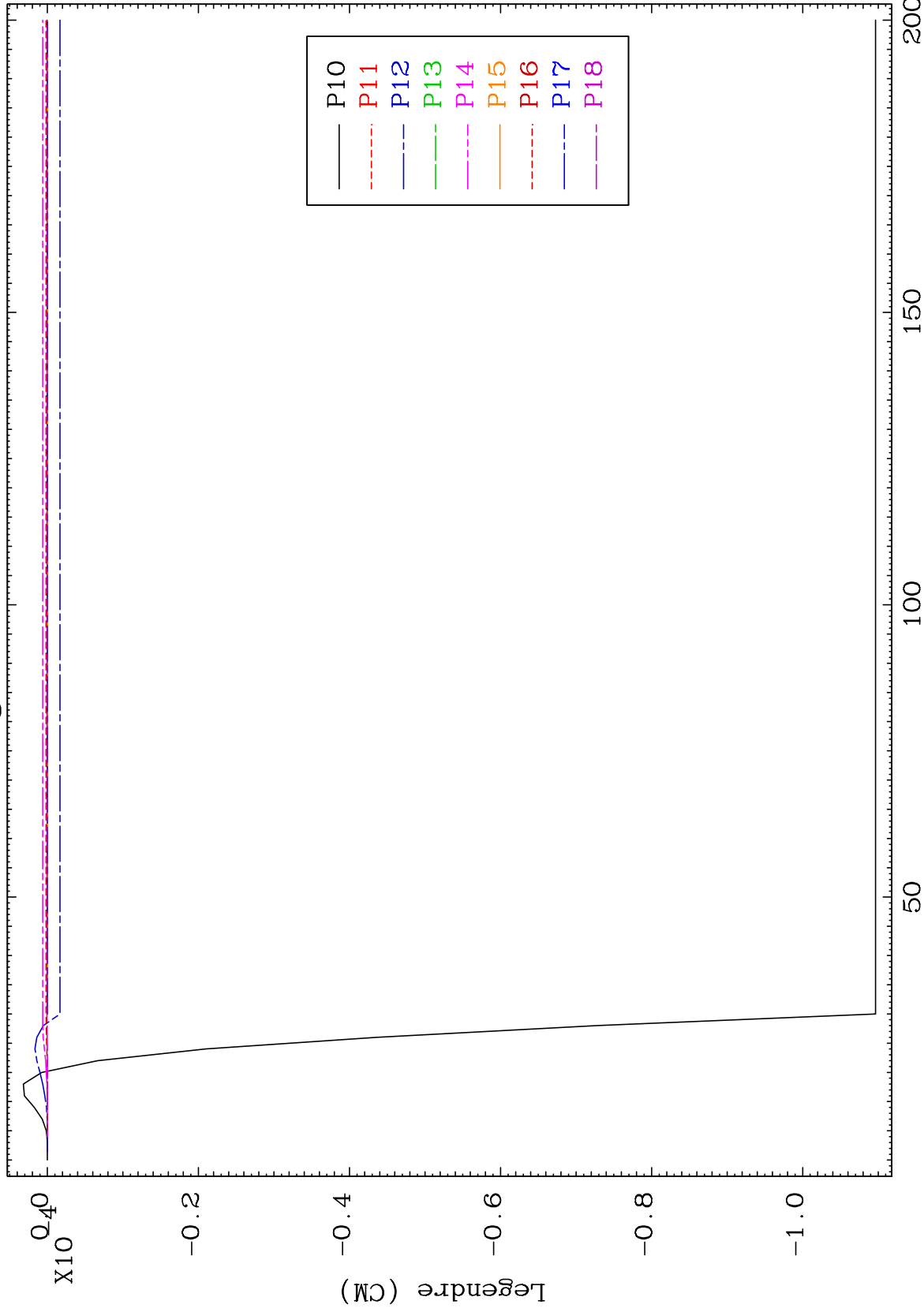
Incident Energy (MeV)

13-A1-28

MAT 1328

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

13-Al-28



73

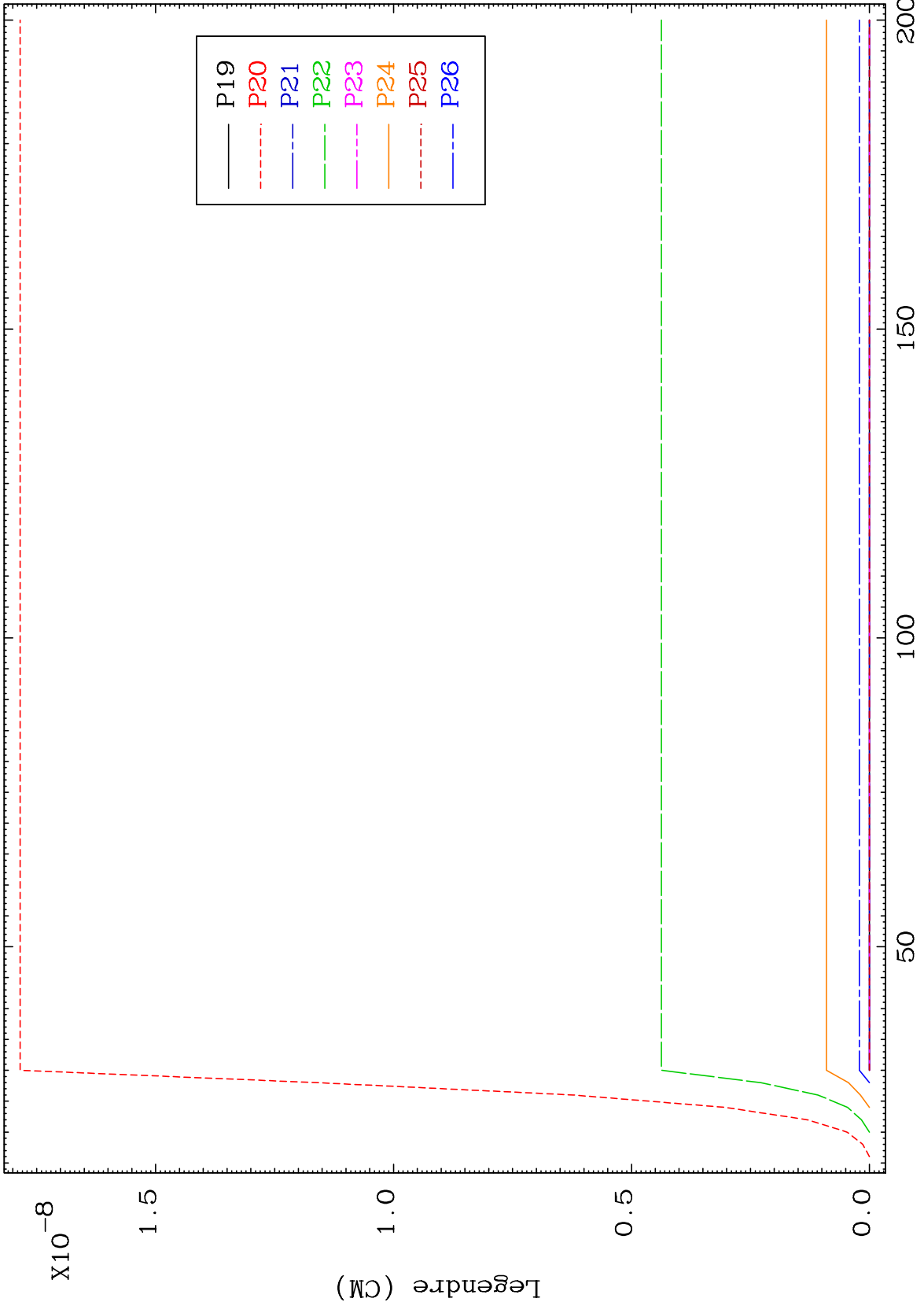
Incident Energy (MeV)

13-Al-28

MAT 1328

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

13-Al-28



74

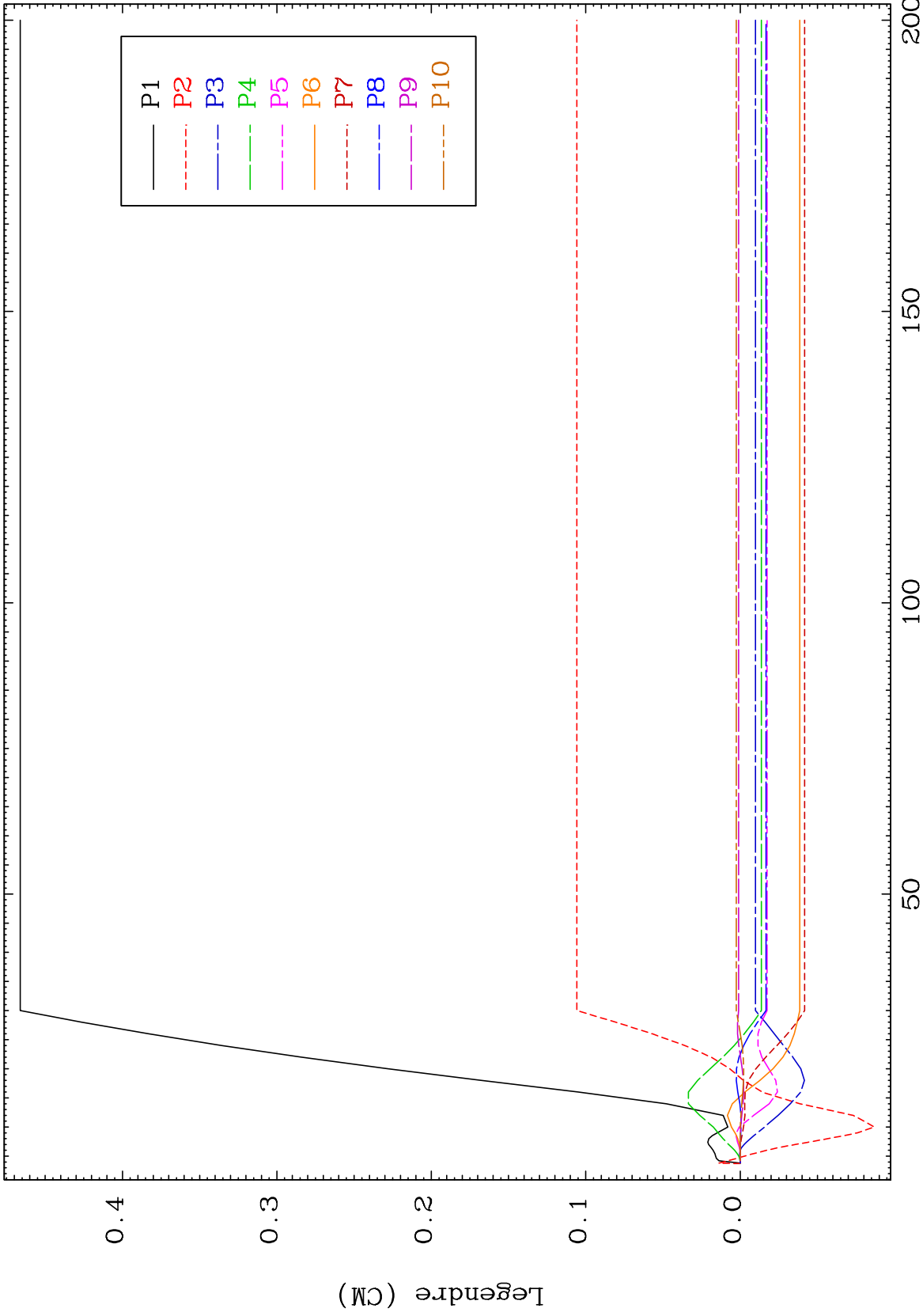
Incident Energy (MeV)

13-Al-28

MAT 1328

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

13-Al-28



75

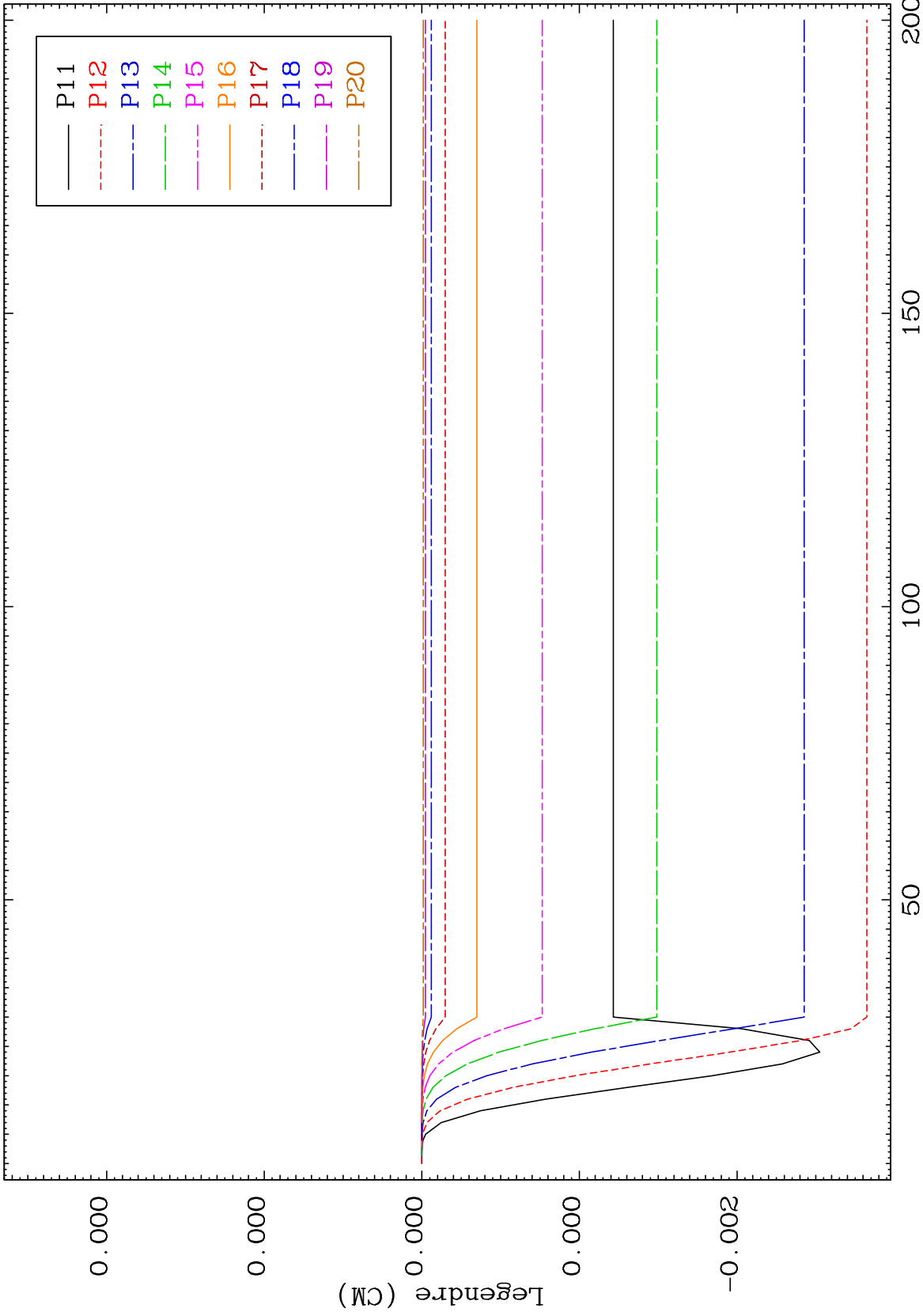
Incident Energy (MeV)

13-Al-28

MAT 1328

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

13-Al-28



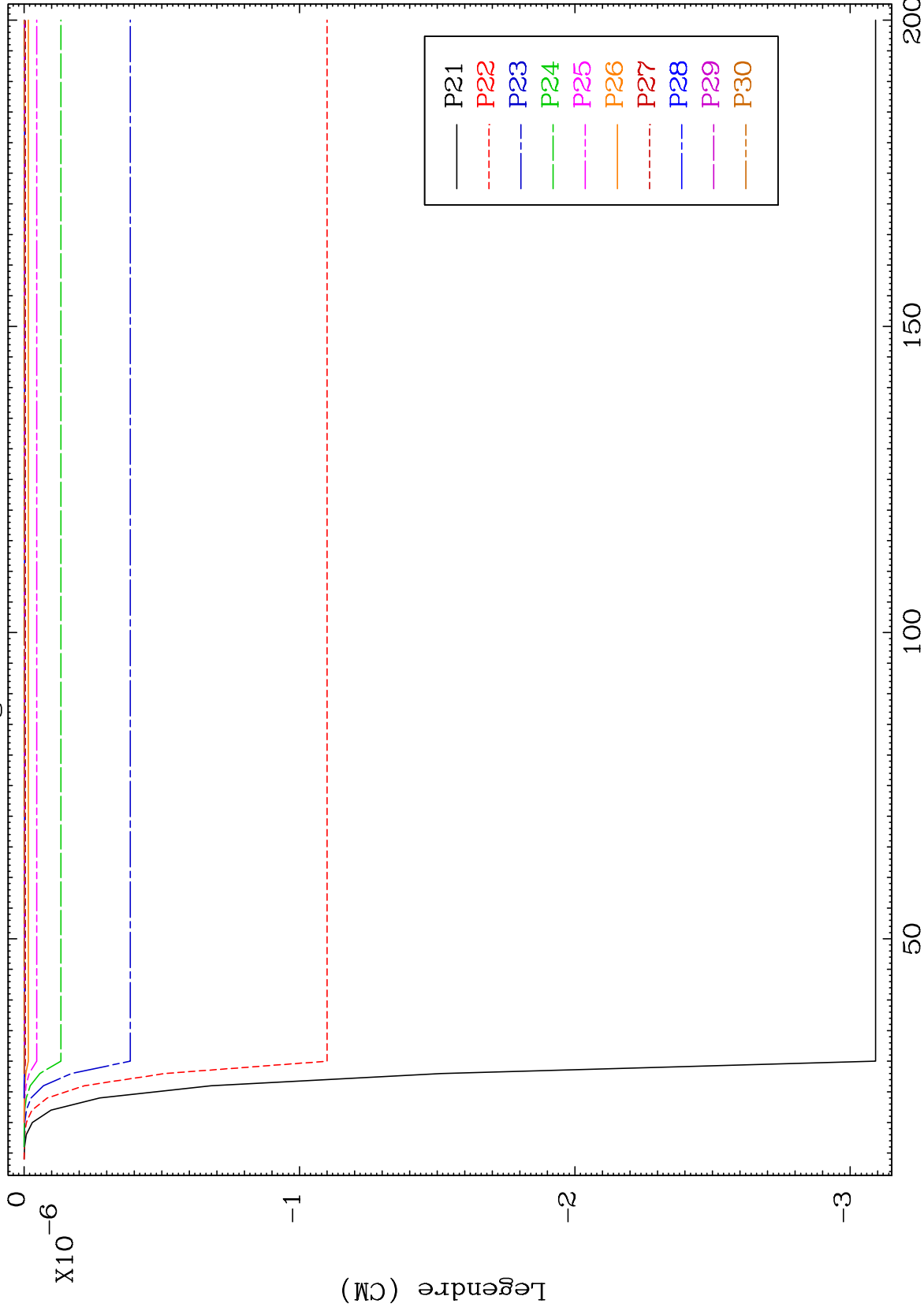
76

13-Al-28

MAT 1328

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

13-Al-28



77

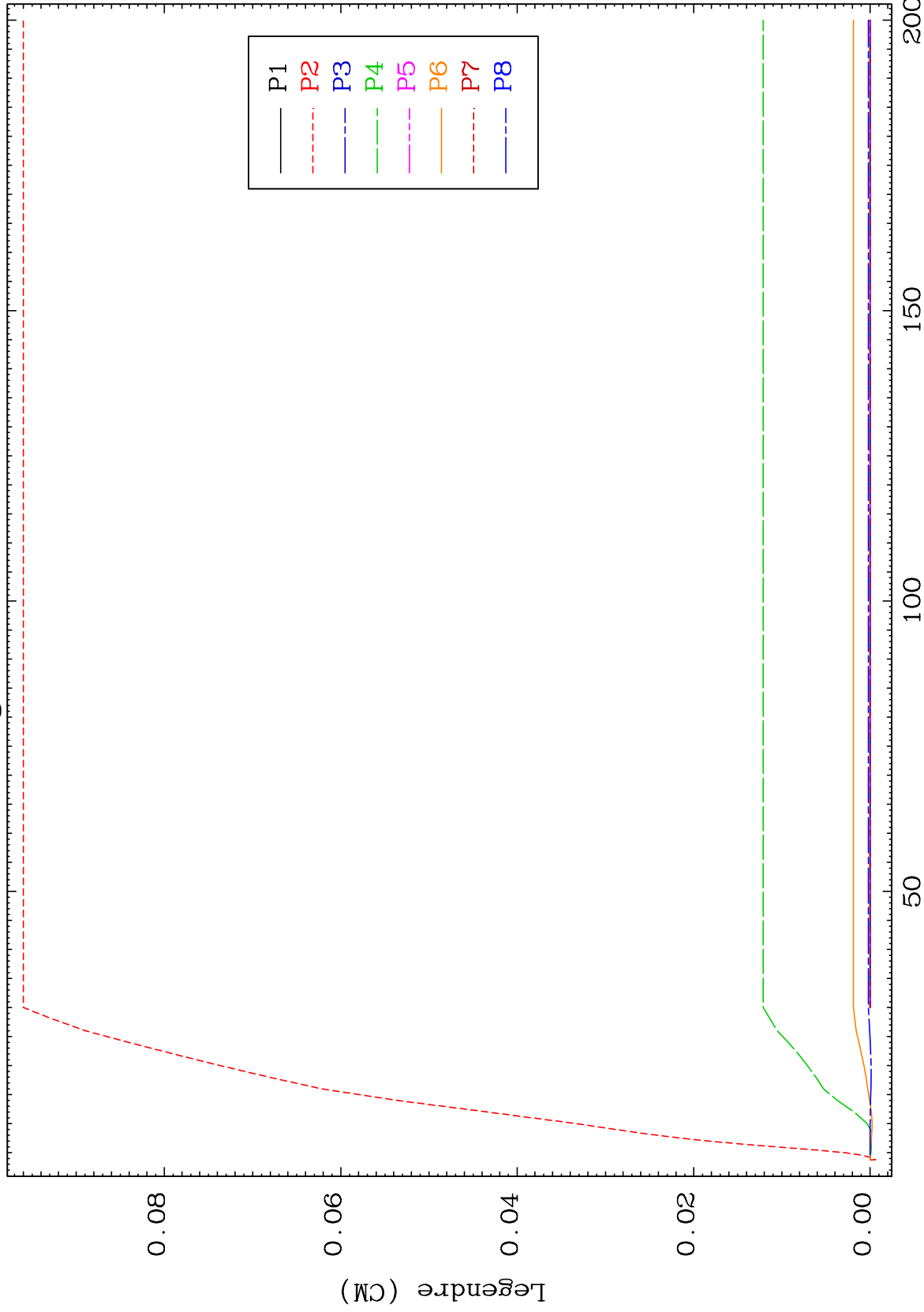
Incident Energy (MeV)

13-Al-28

MAT 1328

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

13-A1-28



78

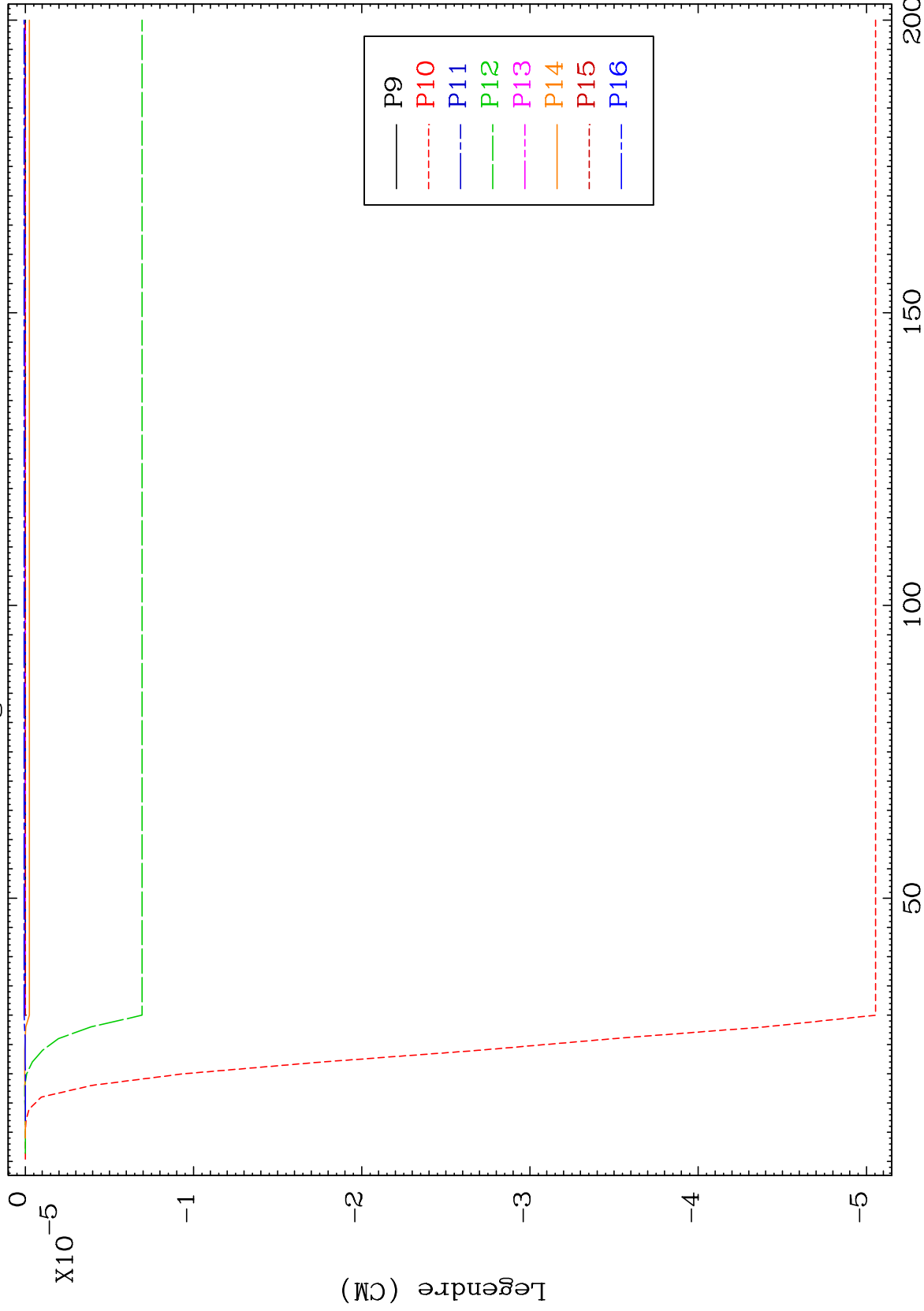
Incident Energy (MeV)

13-A1-28

MAT 1328

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

13-Al-28



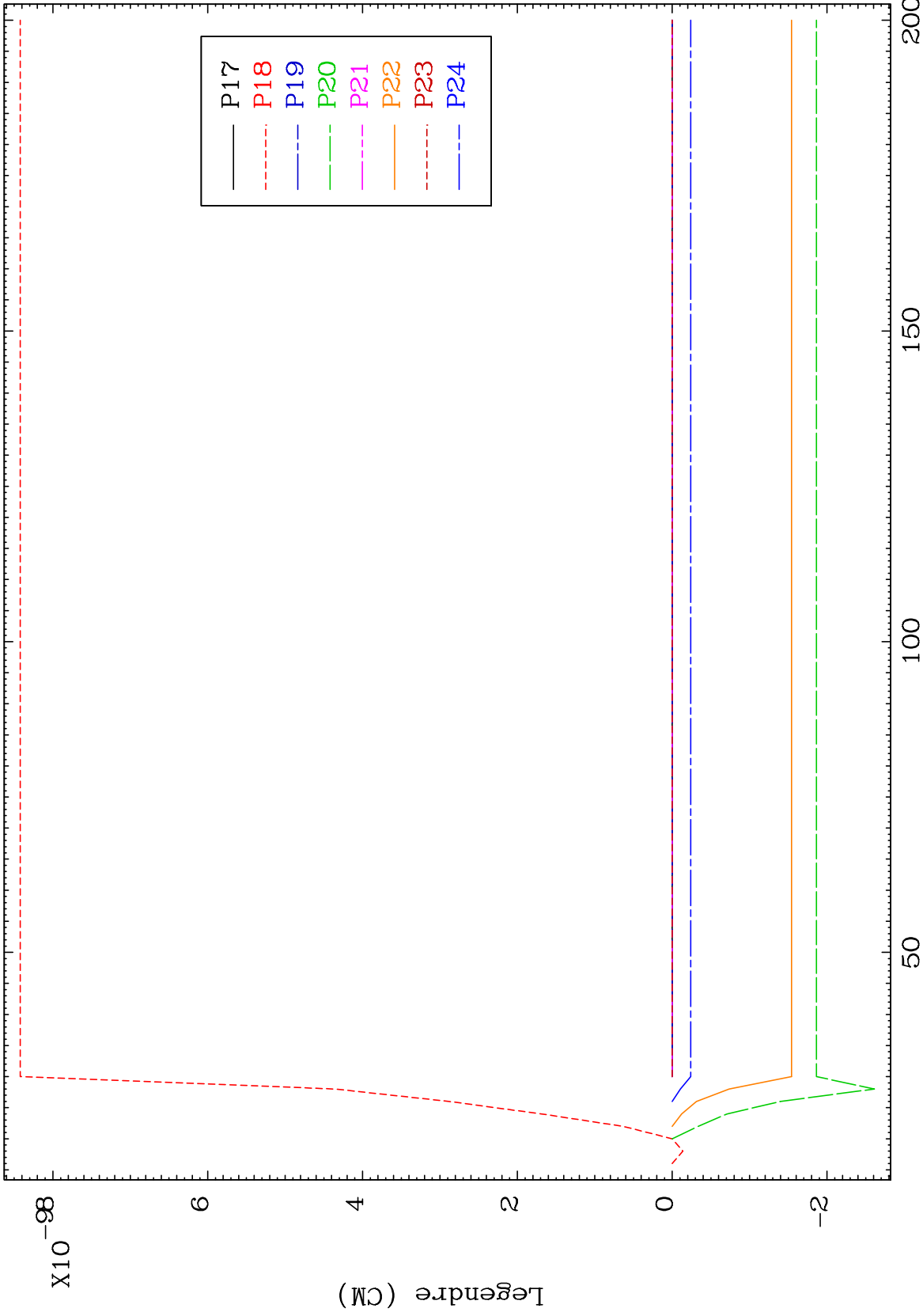
79

13-Al-28

MAT 1328

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

13-Al-28

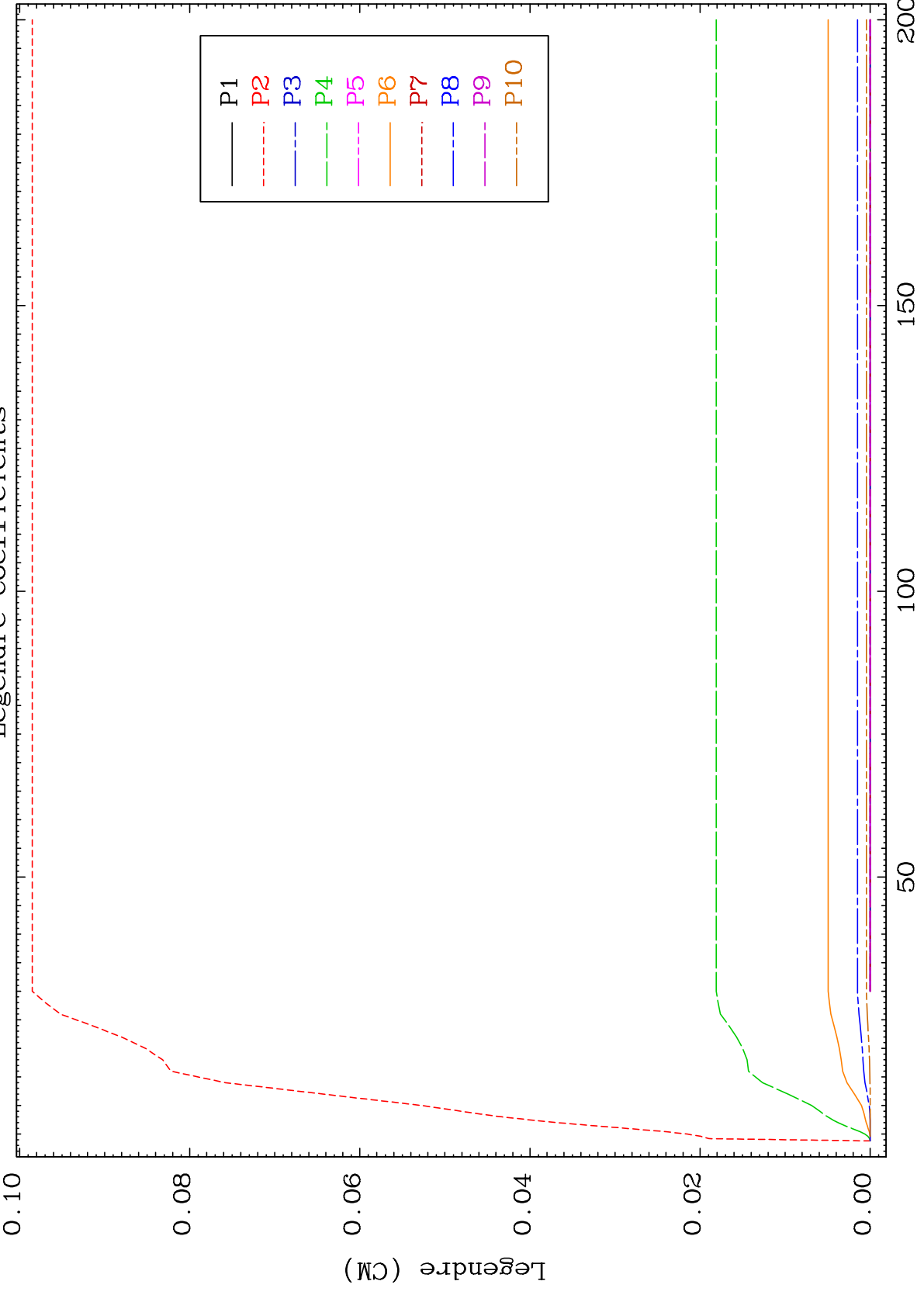


80

Incident Energy (MeV)

13-Al-28

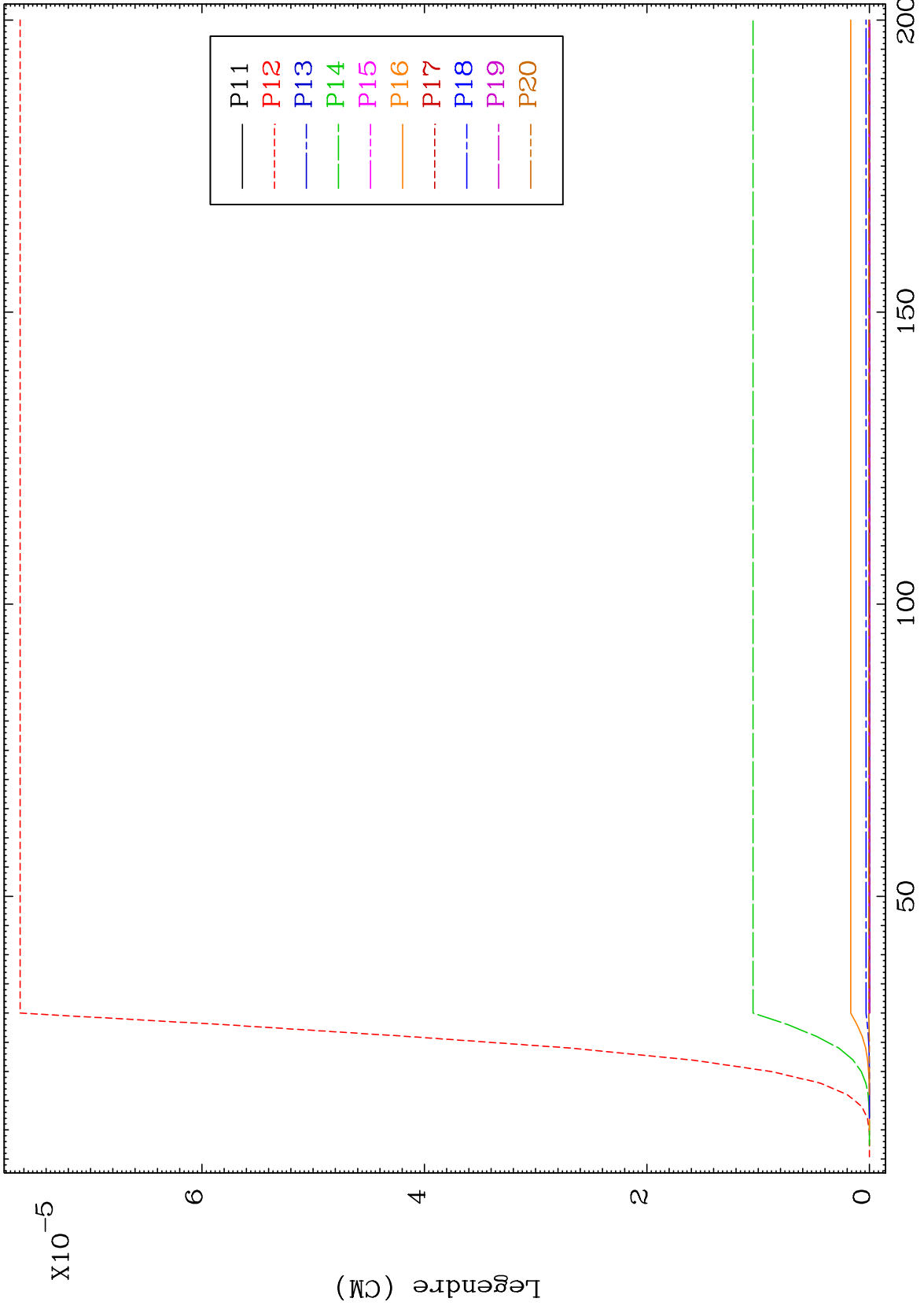
MAT 1328 MT= 72 (n,n') Level Legendre Coefficients 13-Al-28



MAT 1328

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

13-Al-28



82

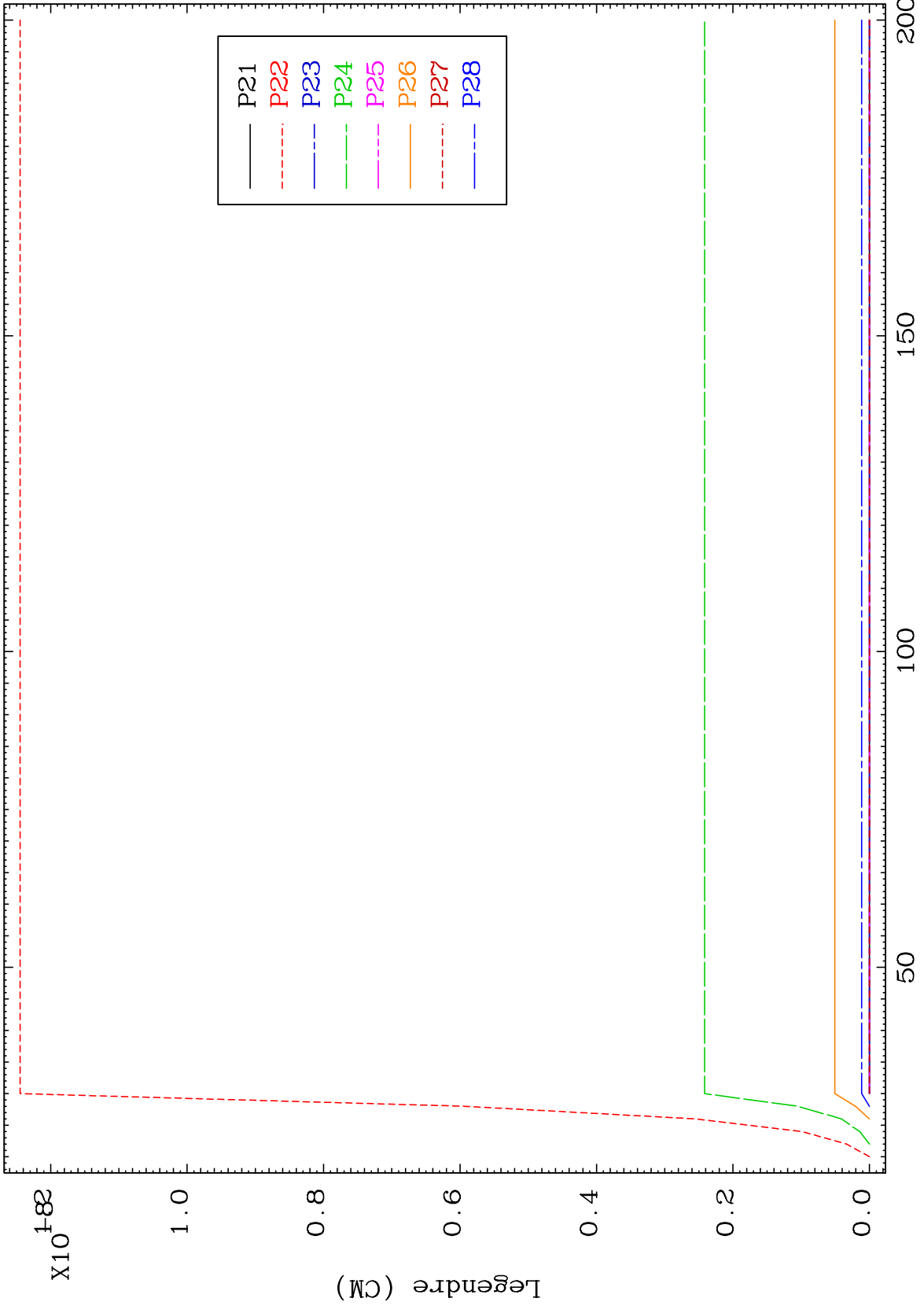
Incident Energy (MeV)

13-Al-28

MAT 1328

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

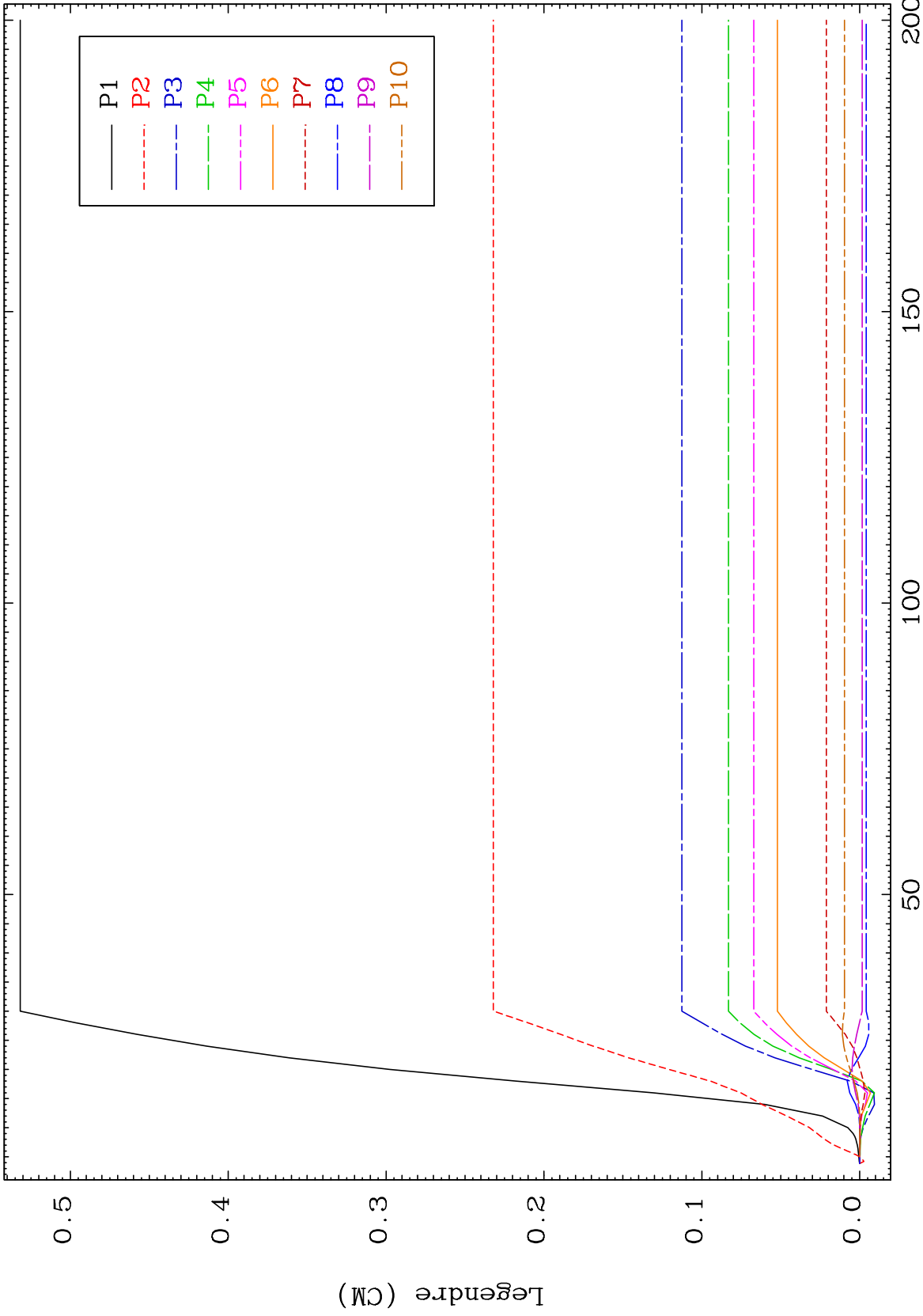
13-Al-28

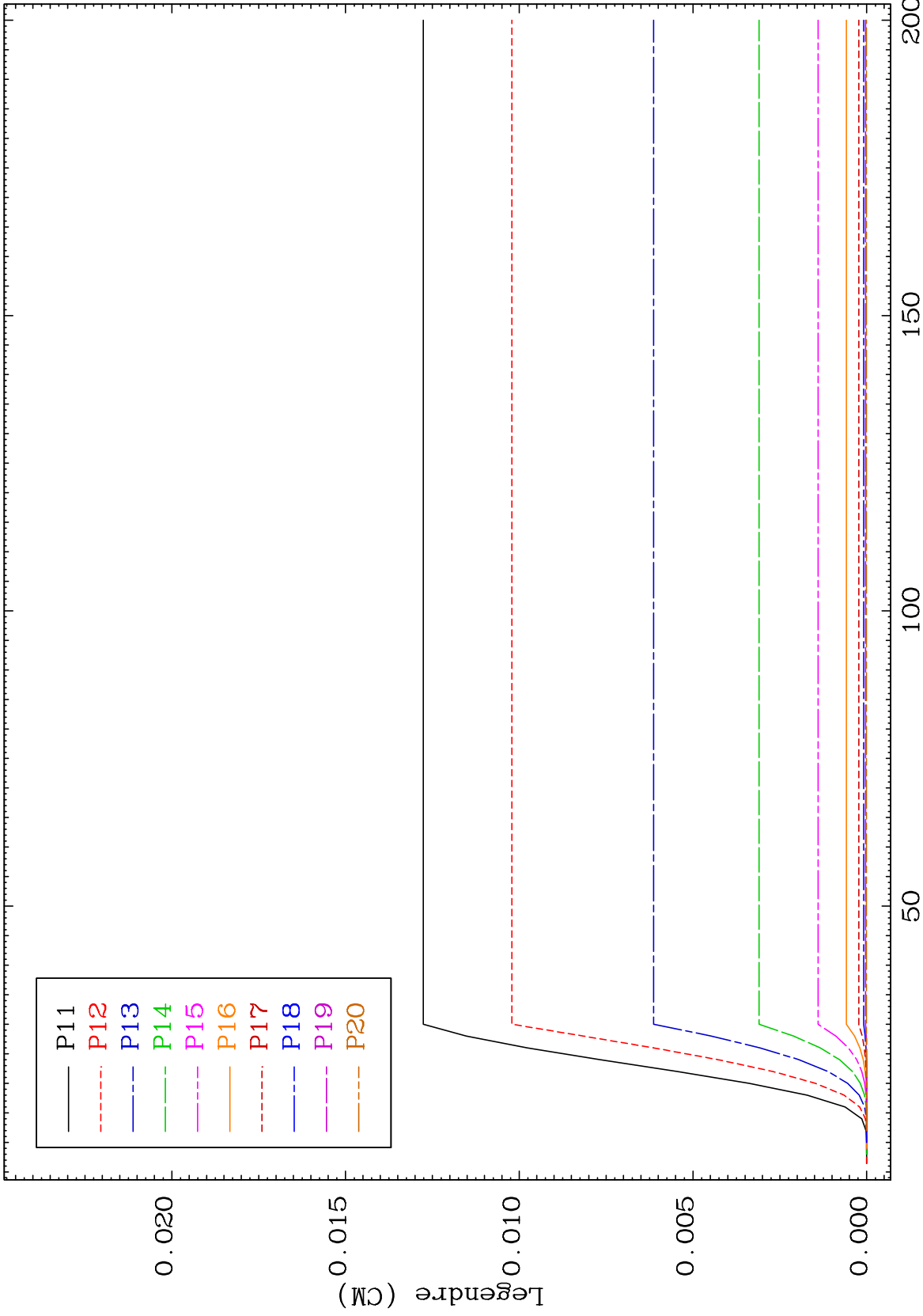


83

Incident Energy (MeV)

13-Al-28

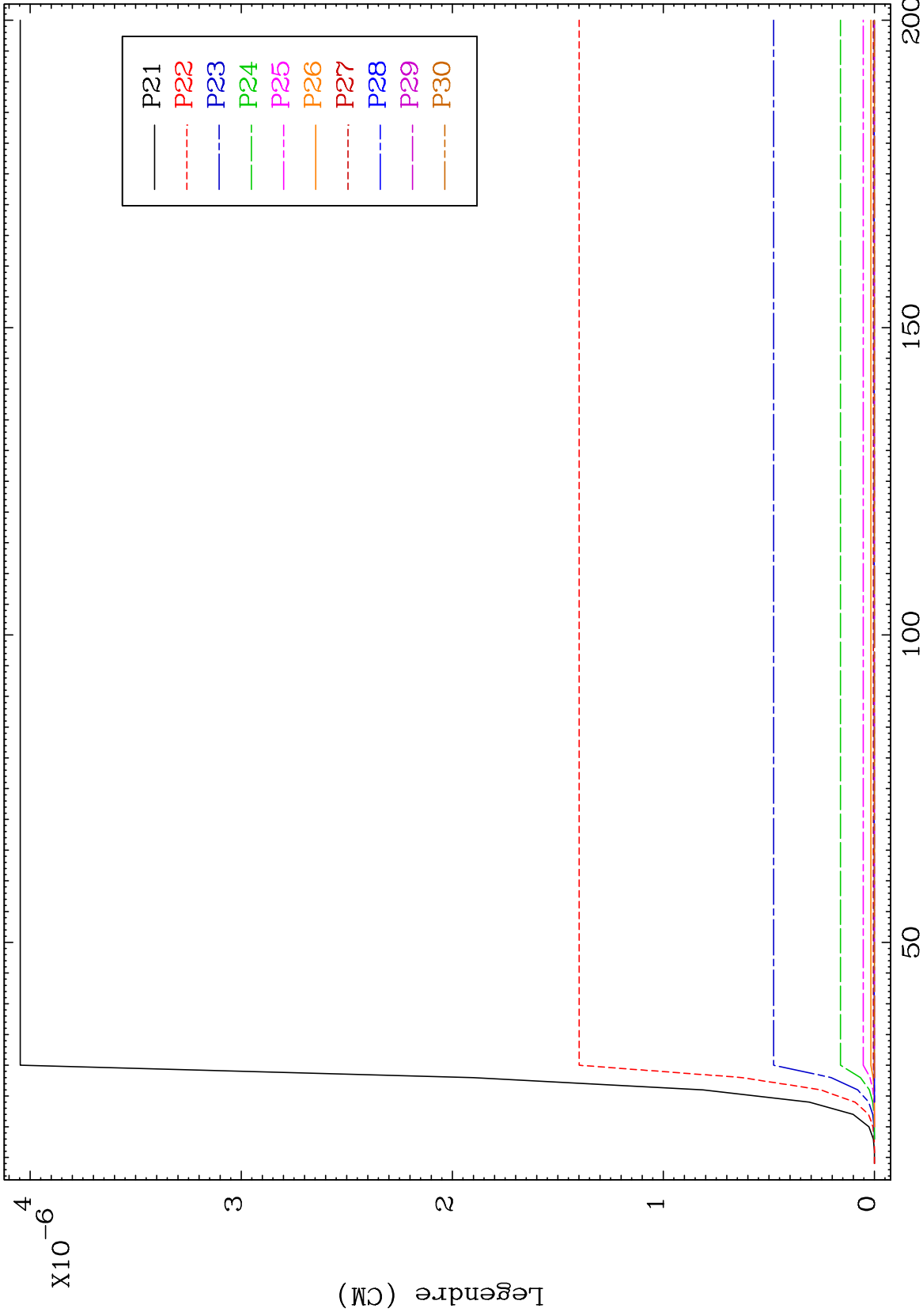




MAT 1328

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

13-Al-28



86

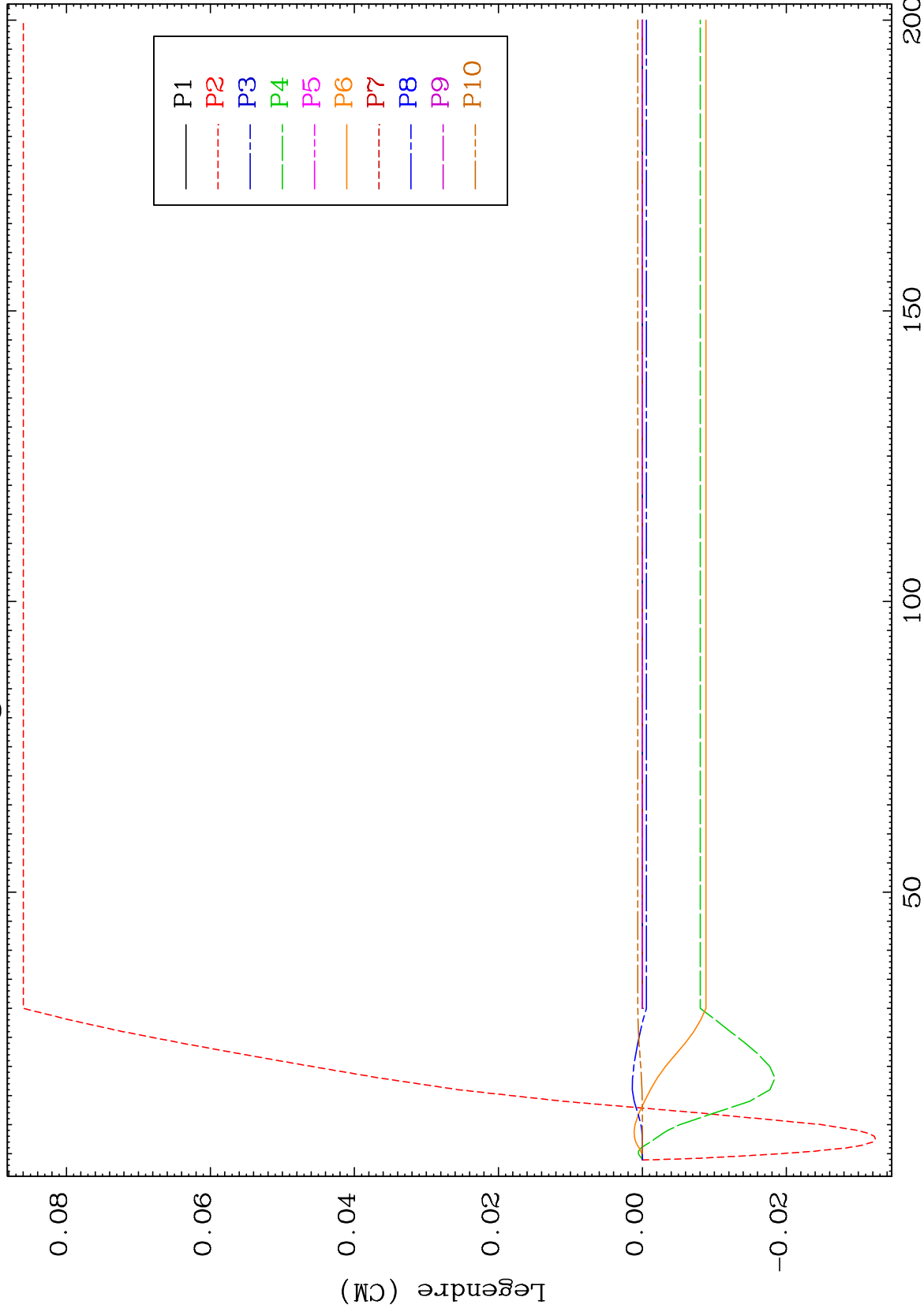
Incident Energy (MeV)

13-Al-28

MAT 1328

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

13-Al-28



87

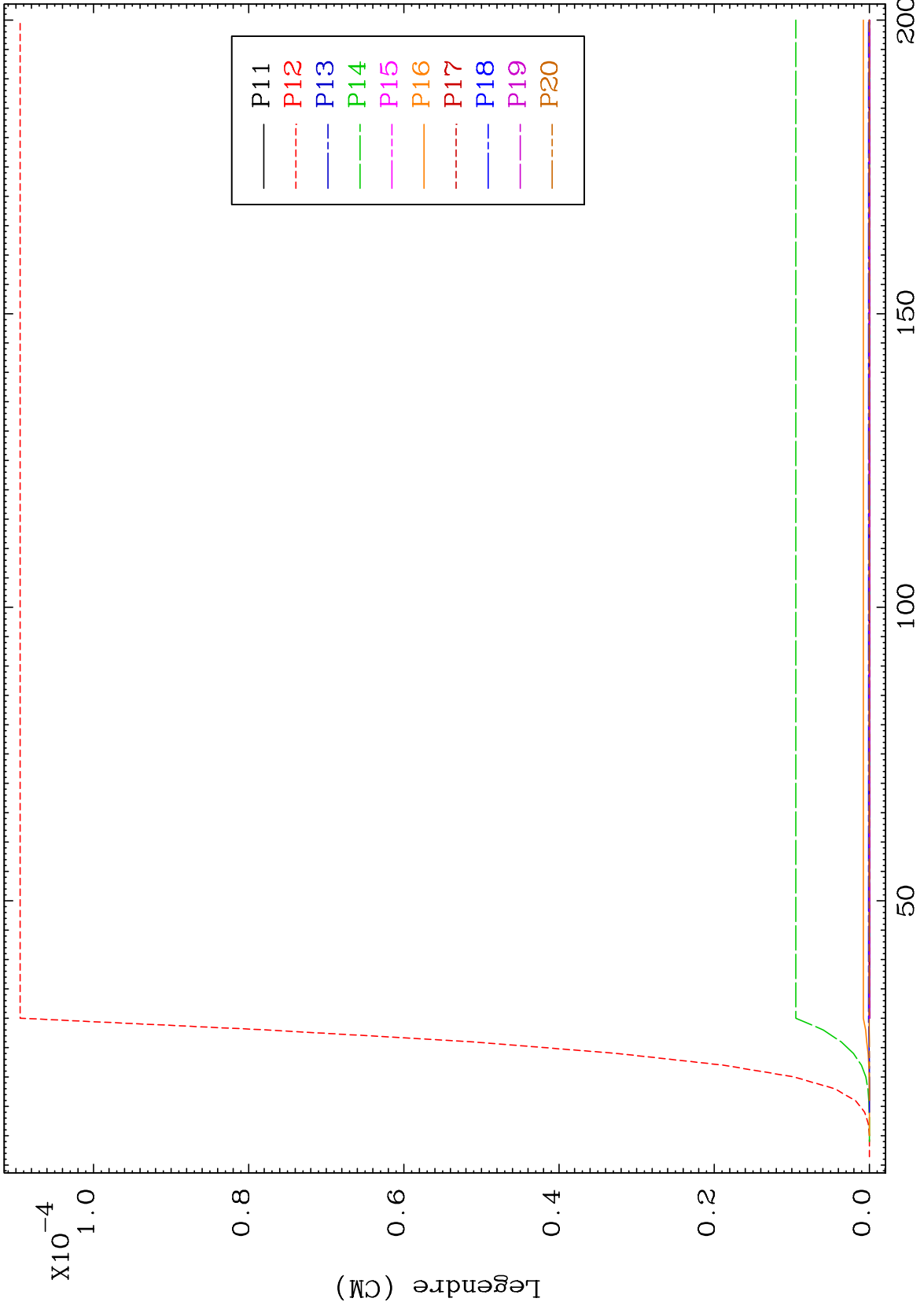
Incident Energy (MeV)

13-Al-28

MAT 1328

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

13-Al-28



88

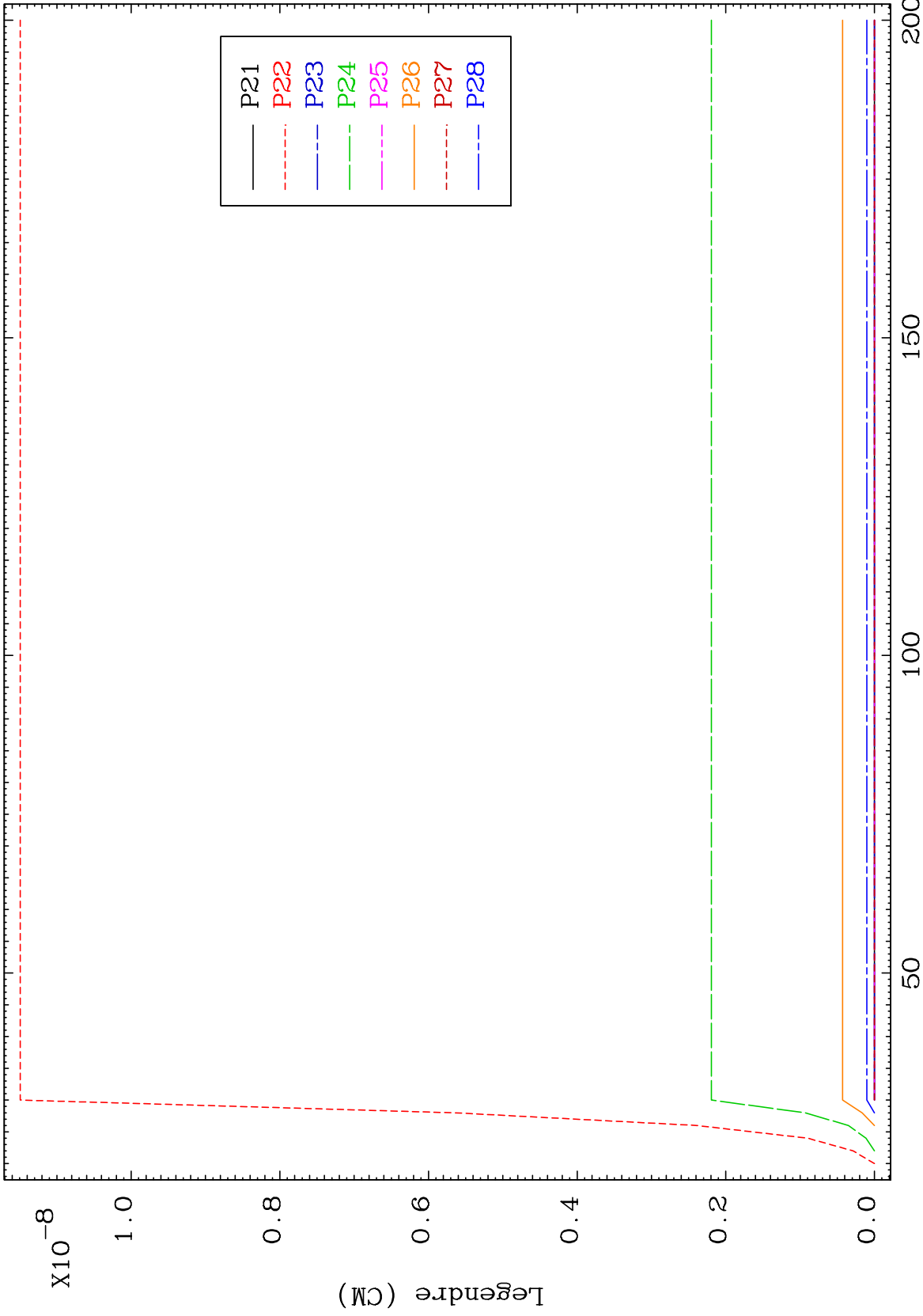
Incident Energy (MeV)

13-Al-28

MAT 1328

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

13-Al-28



89

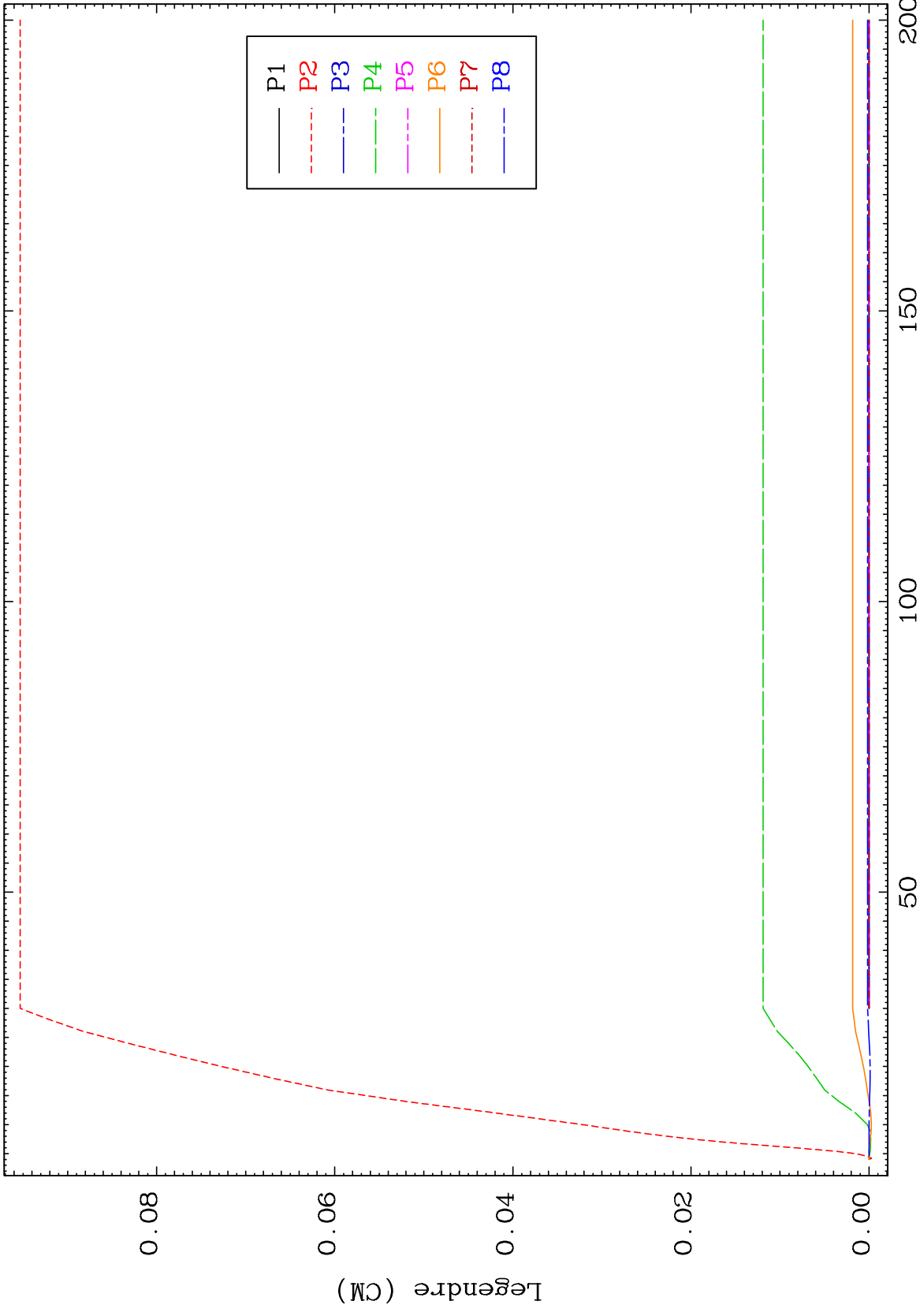
Incident Energy (MeV)

13-Al-28

MAT 1328

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

13-Al-28



90

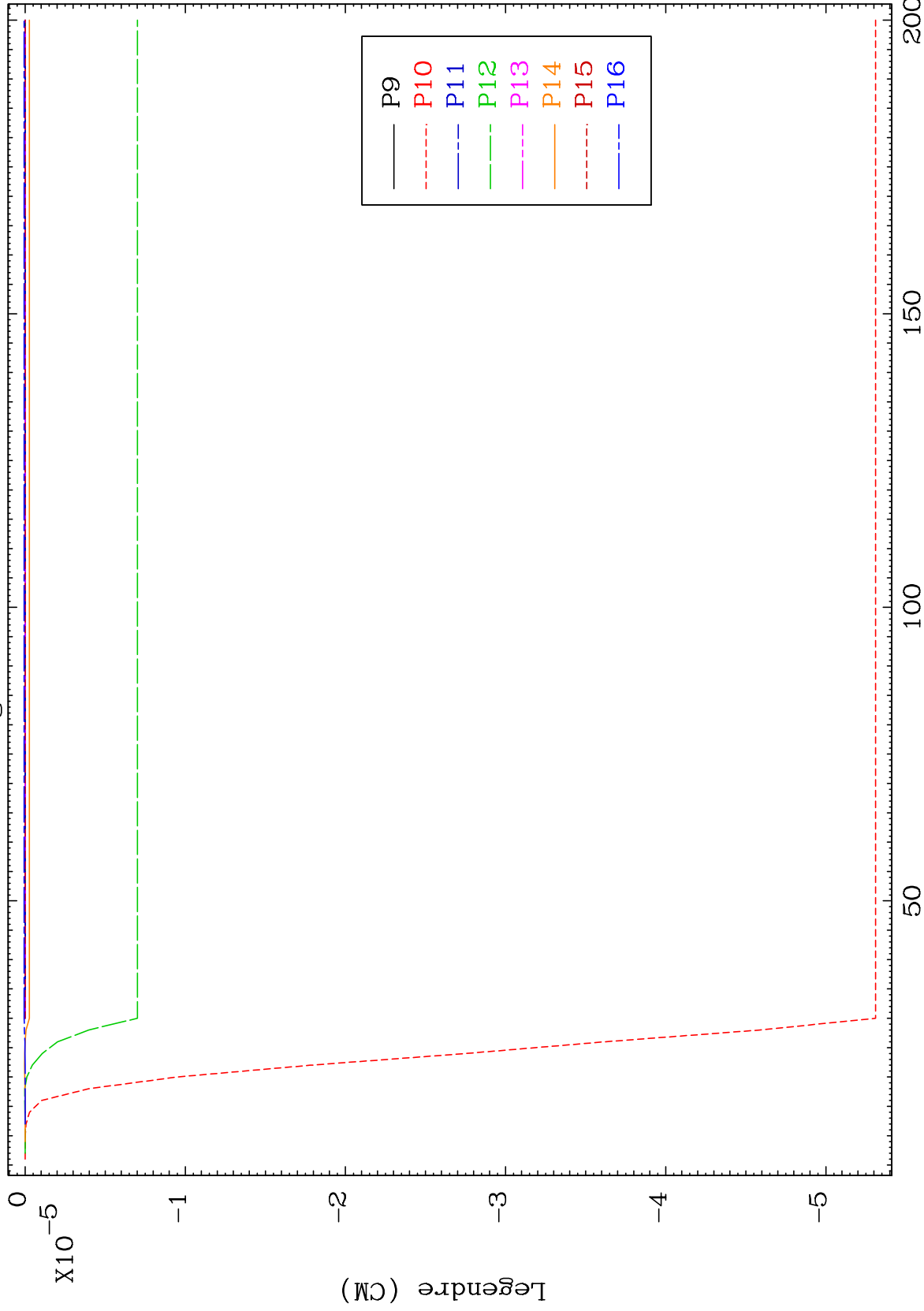
Incident Energy (MeV)

13-Al-28

MAT 1328

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

13-Al-28



91

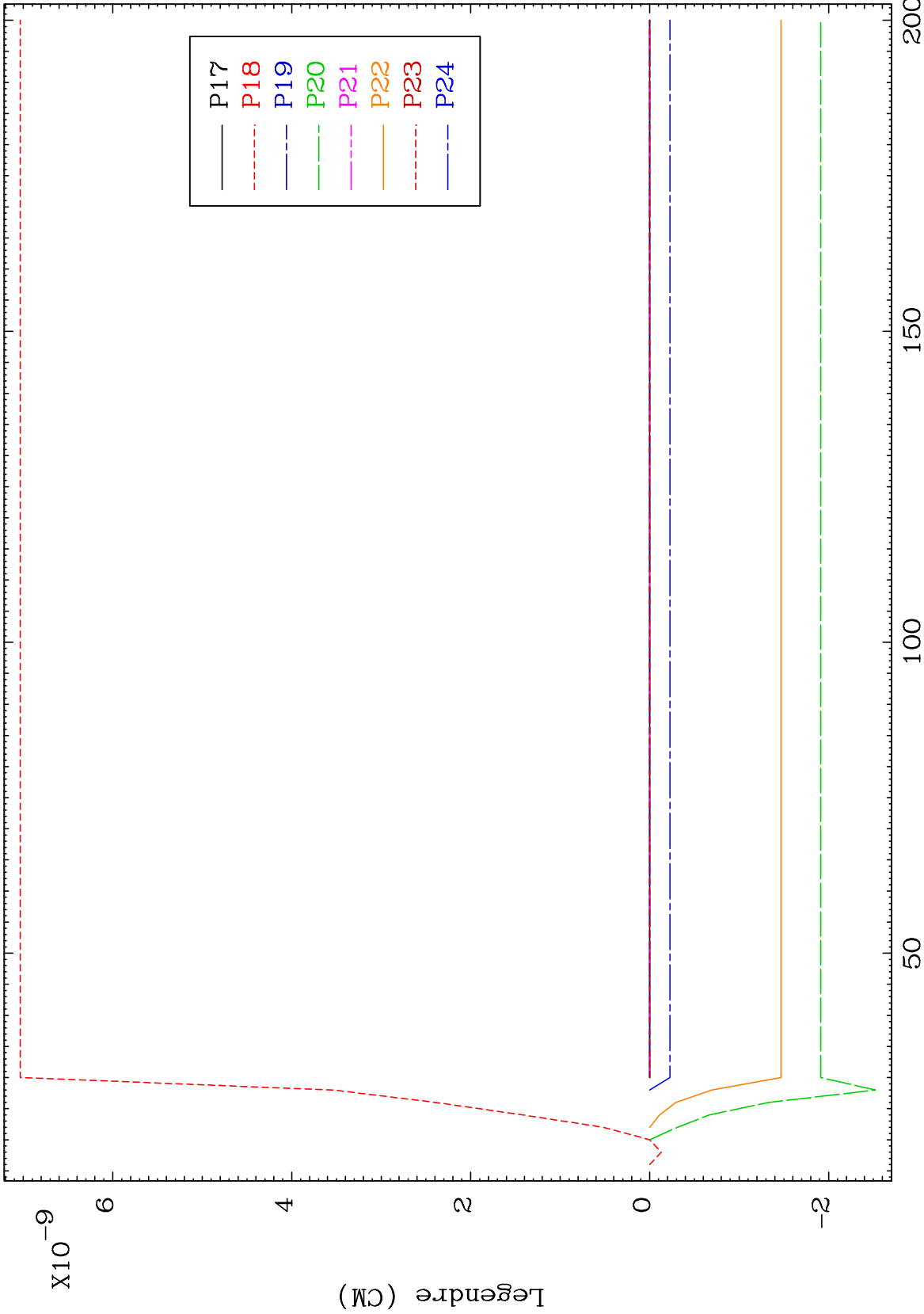
Incident Energy (MeV)

13-Al-28

MAT 1328

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

13-Al-28



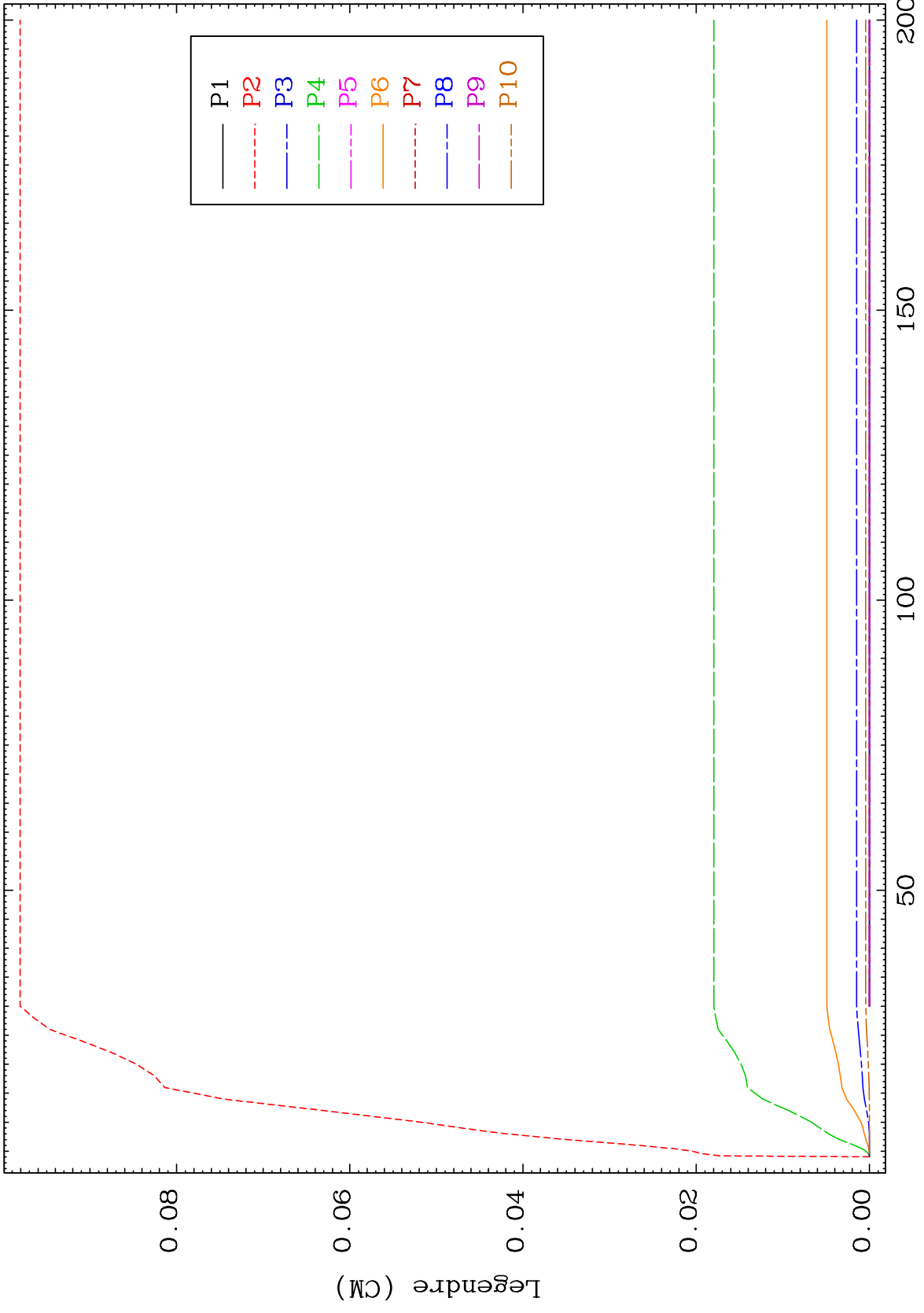
92

13-Al-28

MAT 1328

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

13-Al-28



93

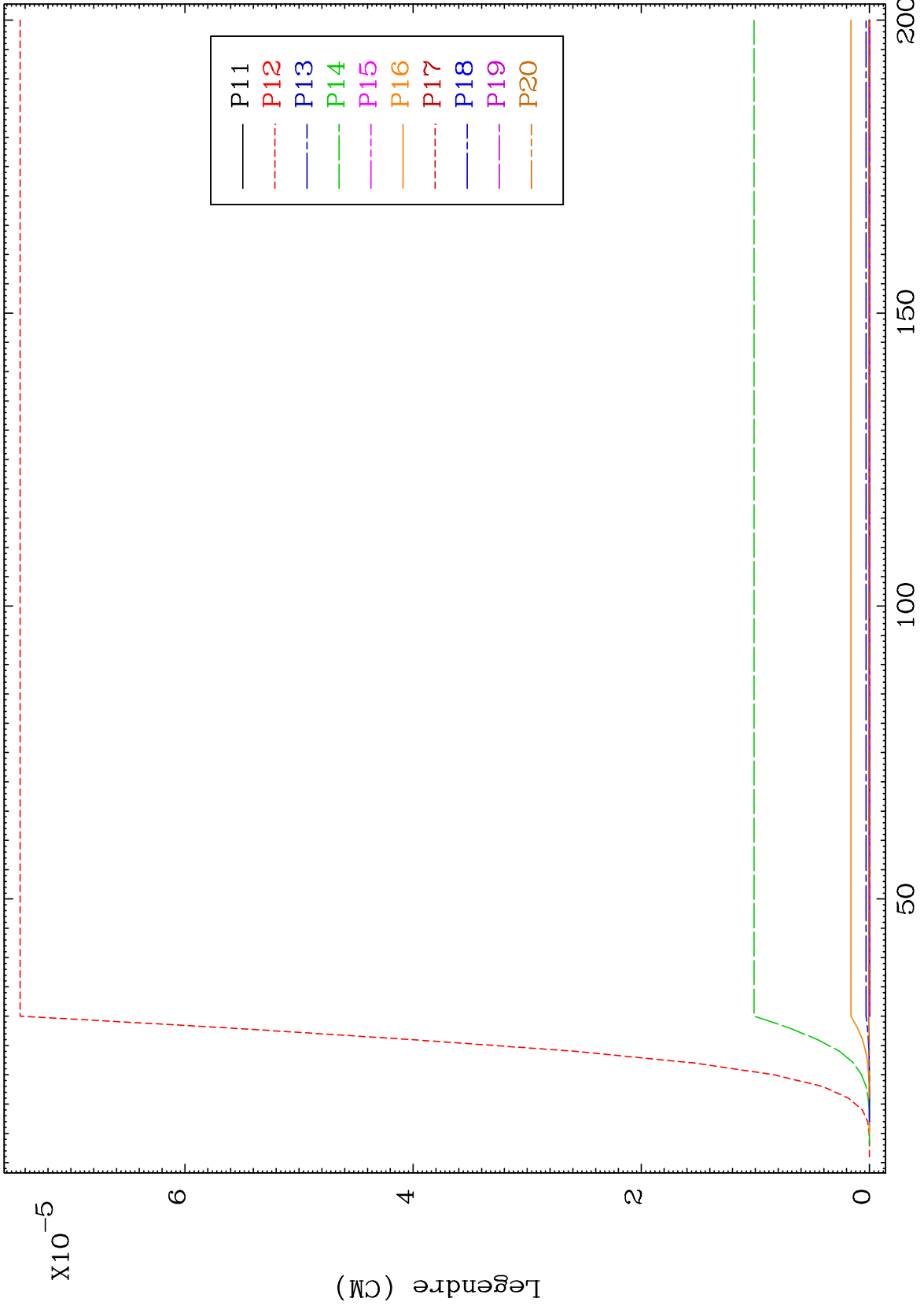
Incident Energy (MeV)

13-Al-28

MAT 1328

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

13-Al-28



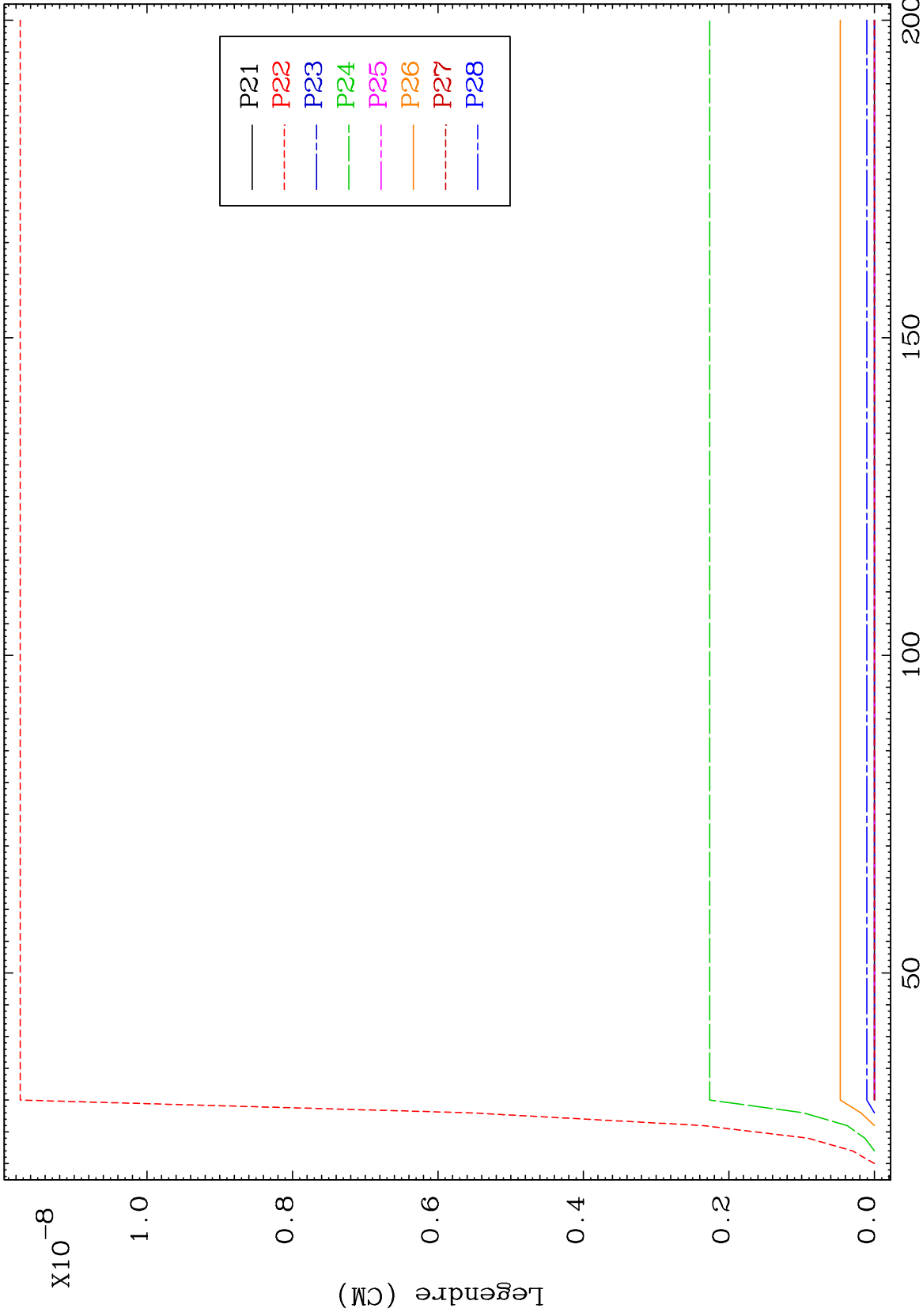
94

13-Al-28

MAT 1328

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

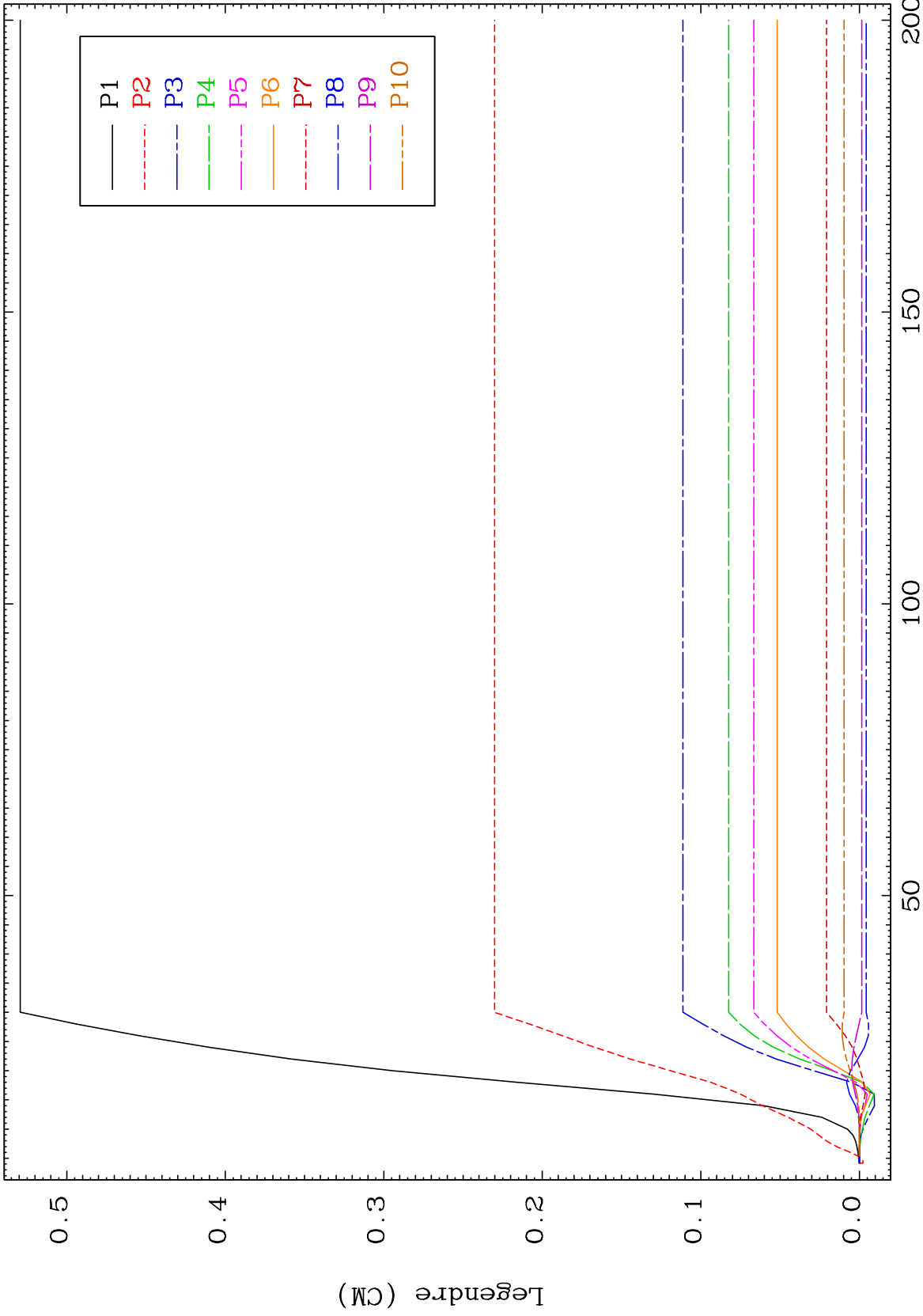
13-Al-28

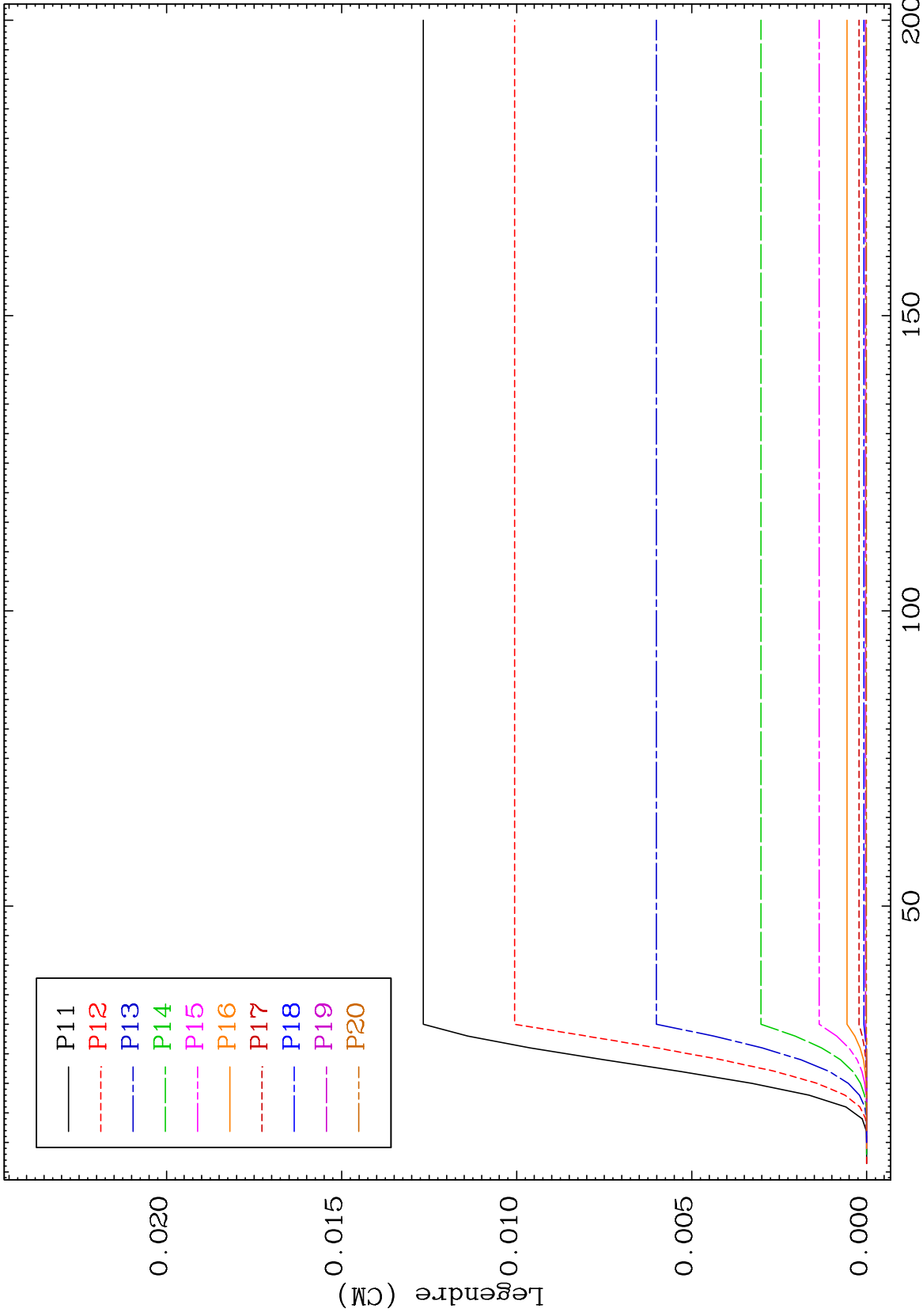


95

Incident Energy (MeV)

13-Al-28

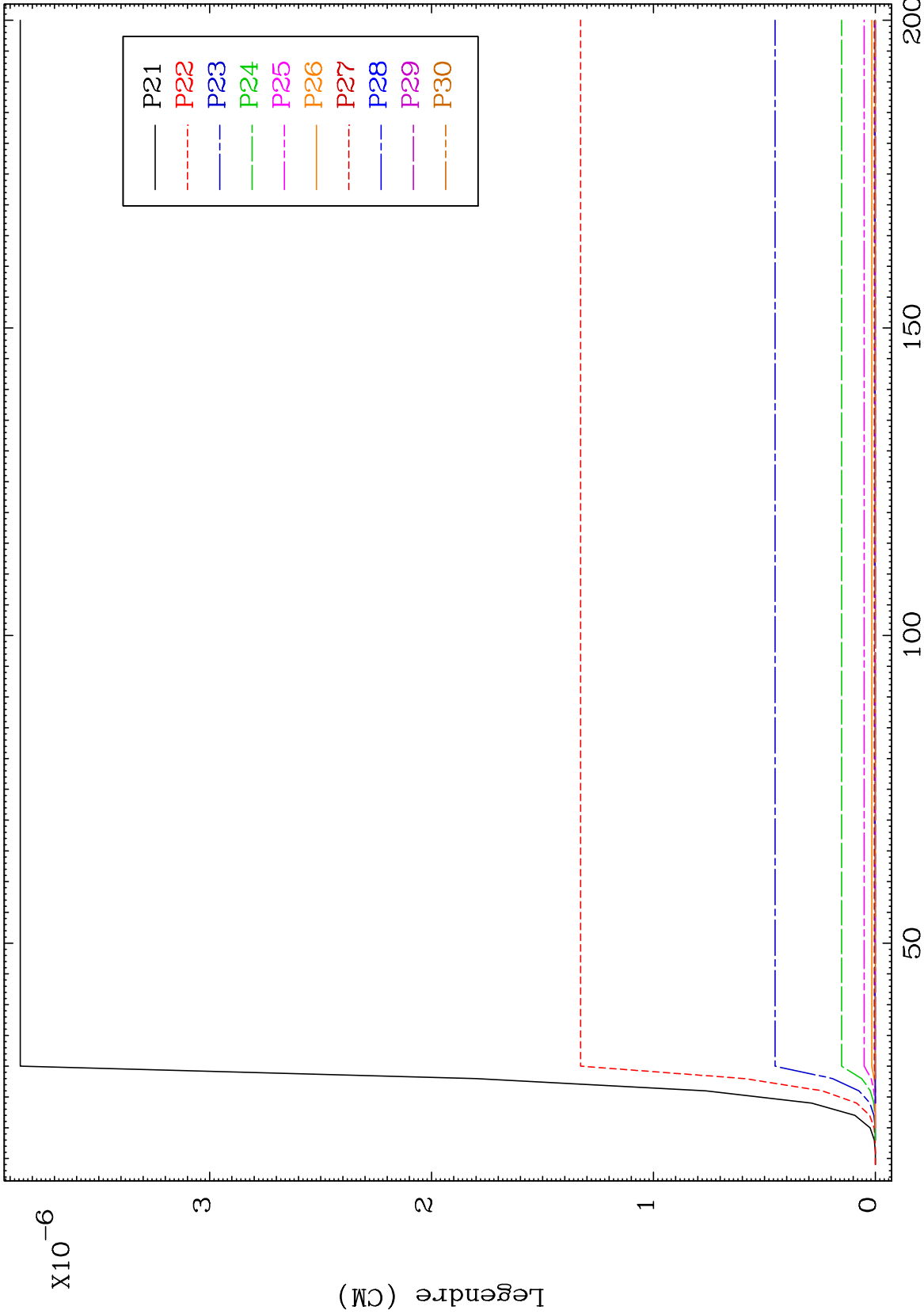




MAT 1328

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

13-Al-28



98

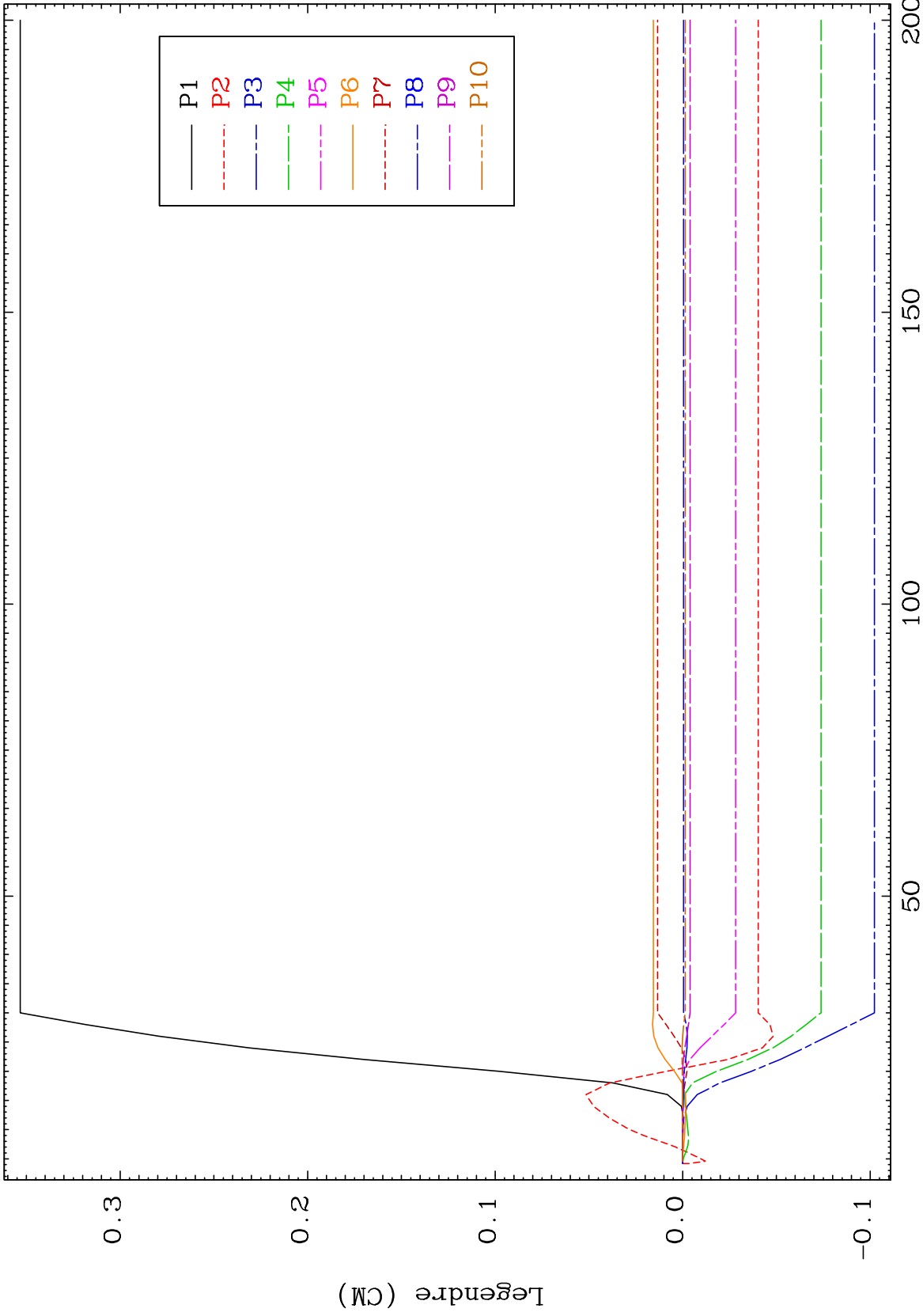
Incident Energy (MeV)

13-Al-28

MAT 1328

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

13-Al-28



99

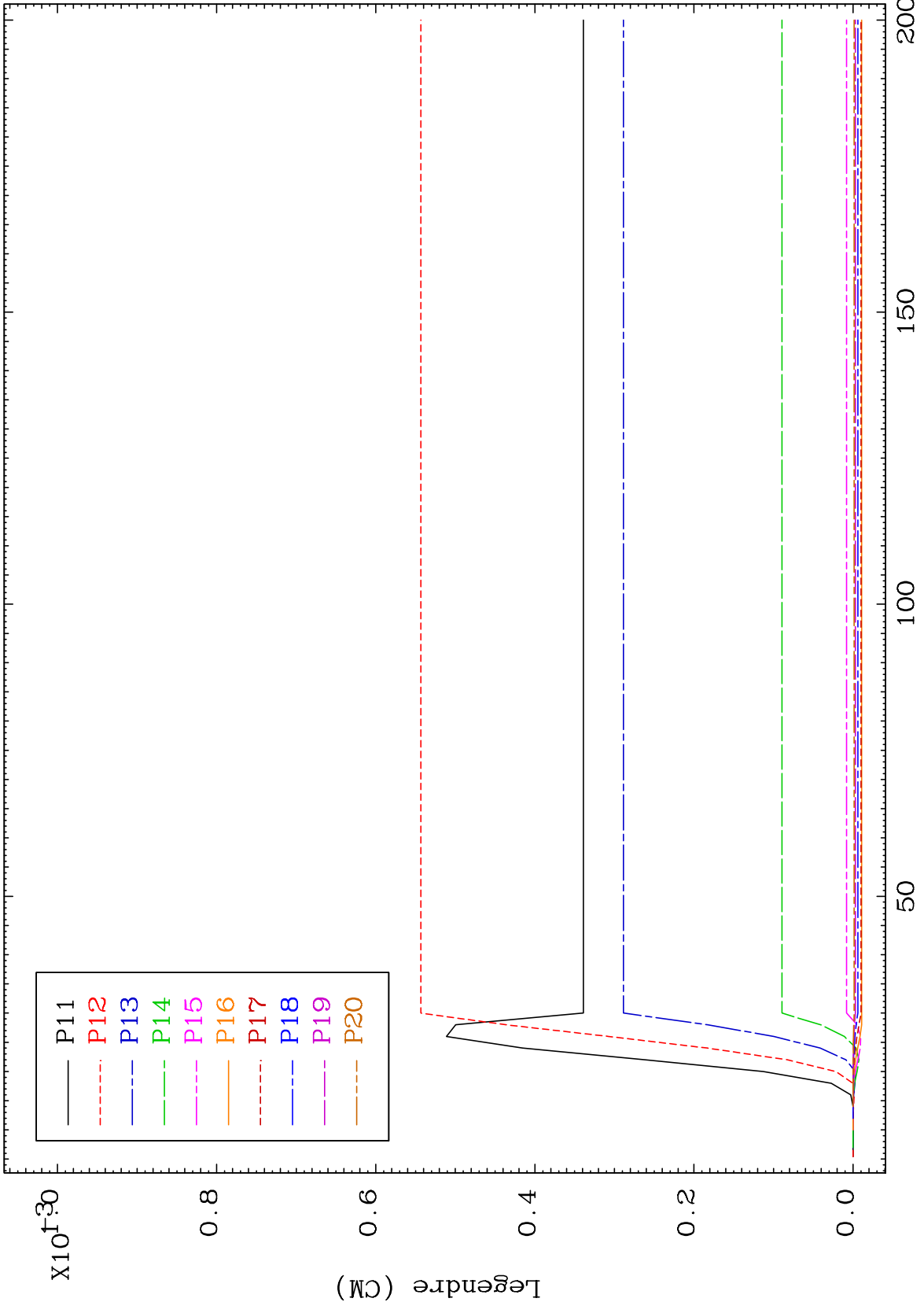
Incident Energy (MeV)

13-Al-28

MAT 1328

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

13-Al-28



100

50

100

Incident Energy (MeV)

150

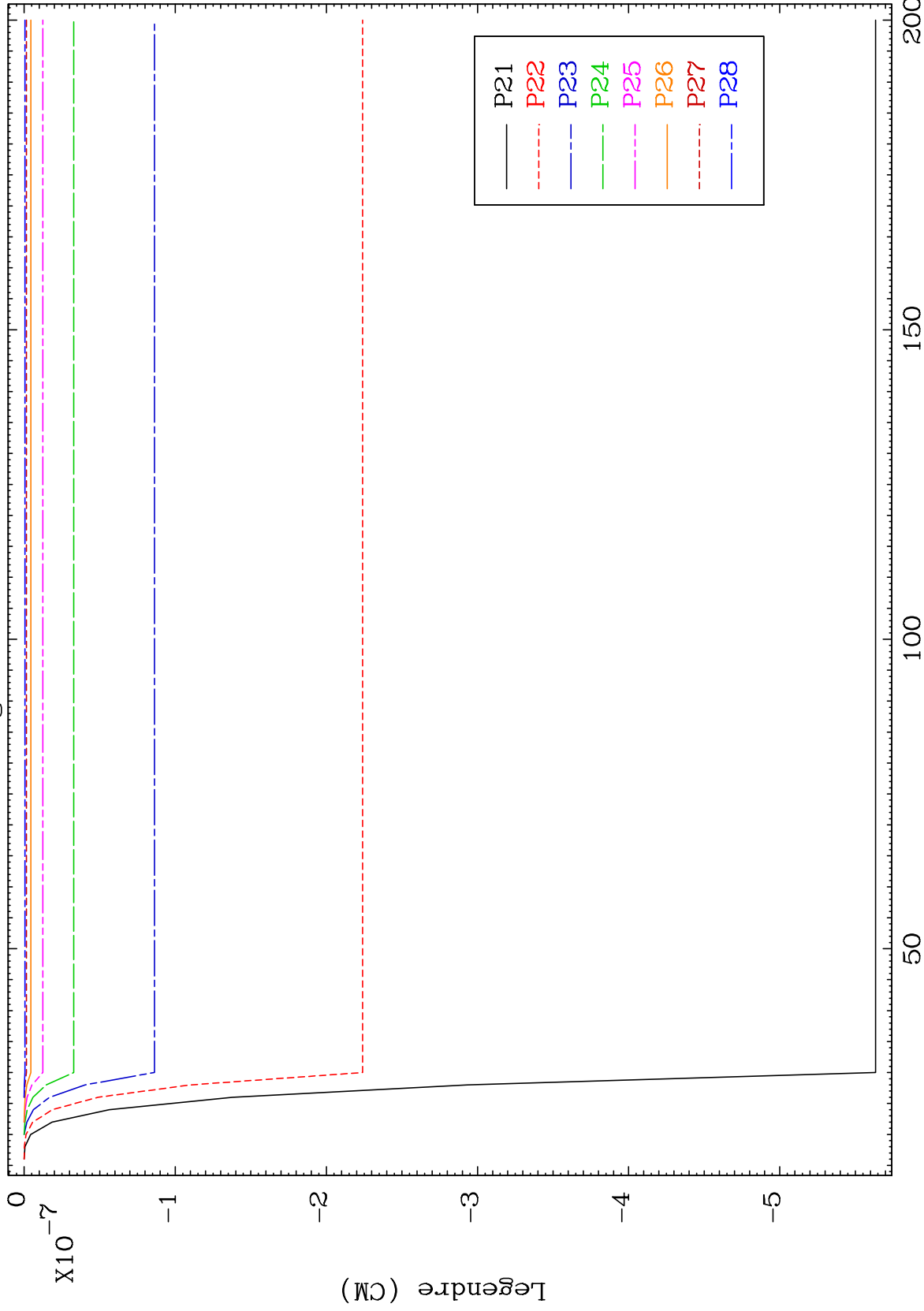
200

13-Al-28

MAT 1328

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

13-Al-28



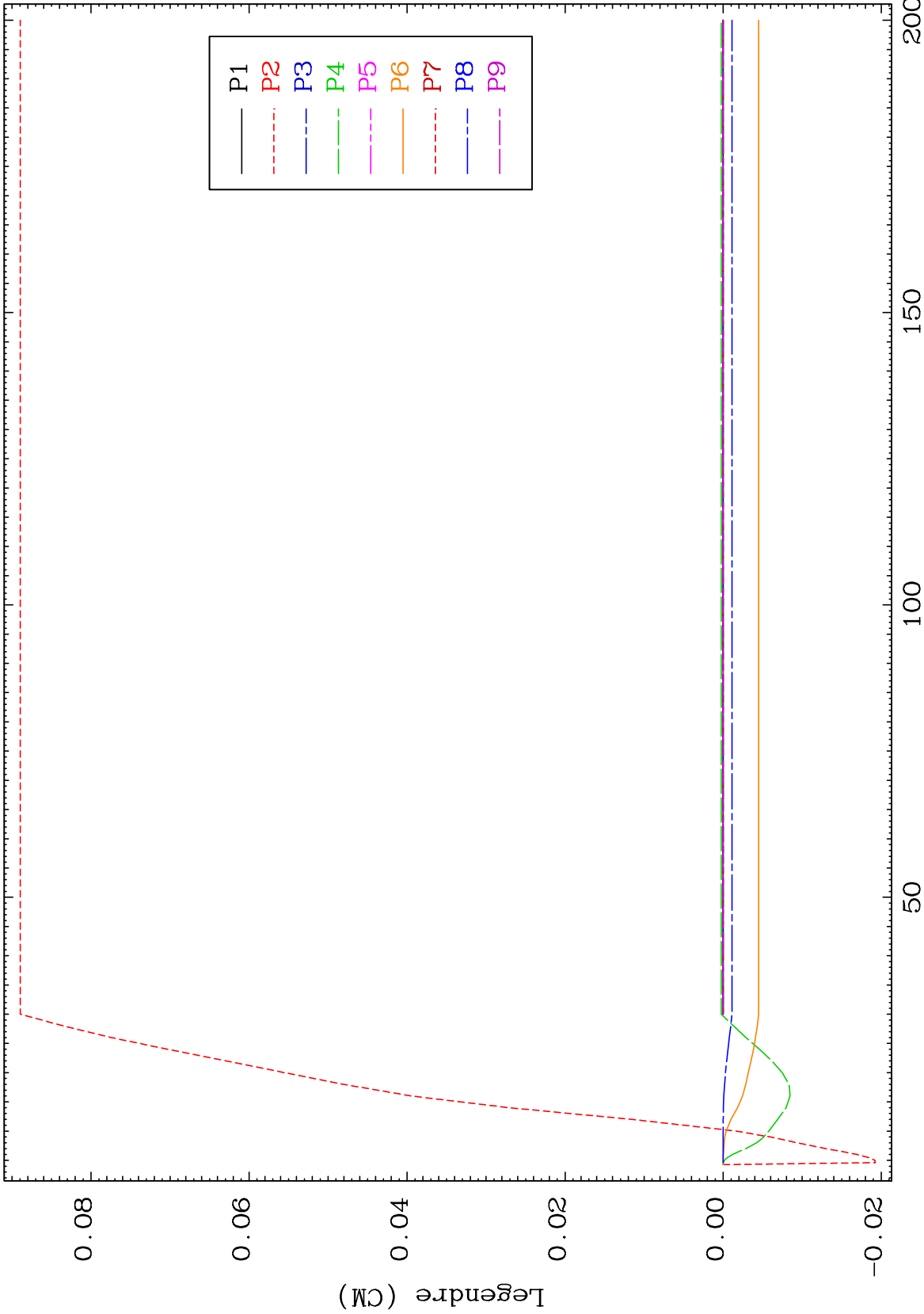
101

13-Al-28

MAT 1328

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

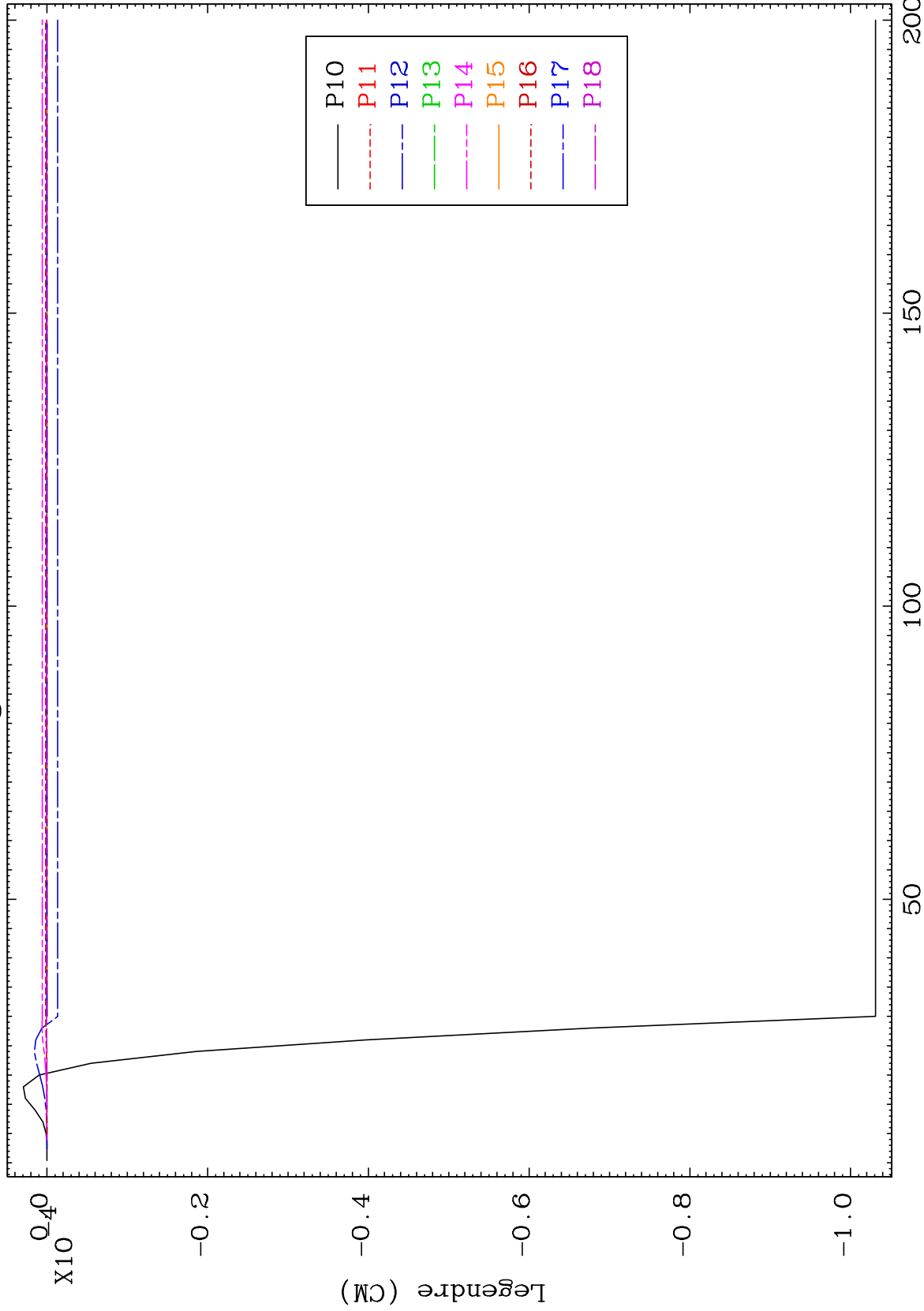
13-Al-28



13-Al-28

Incident Energy (MeV)

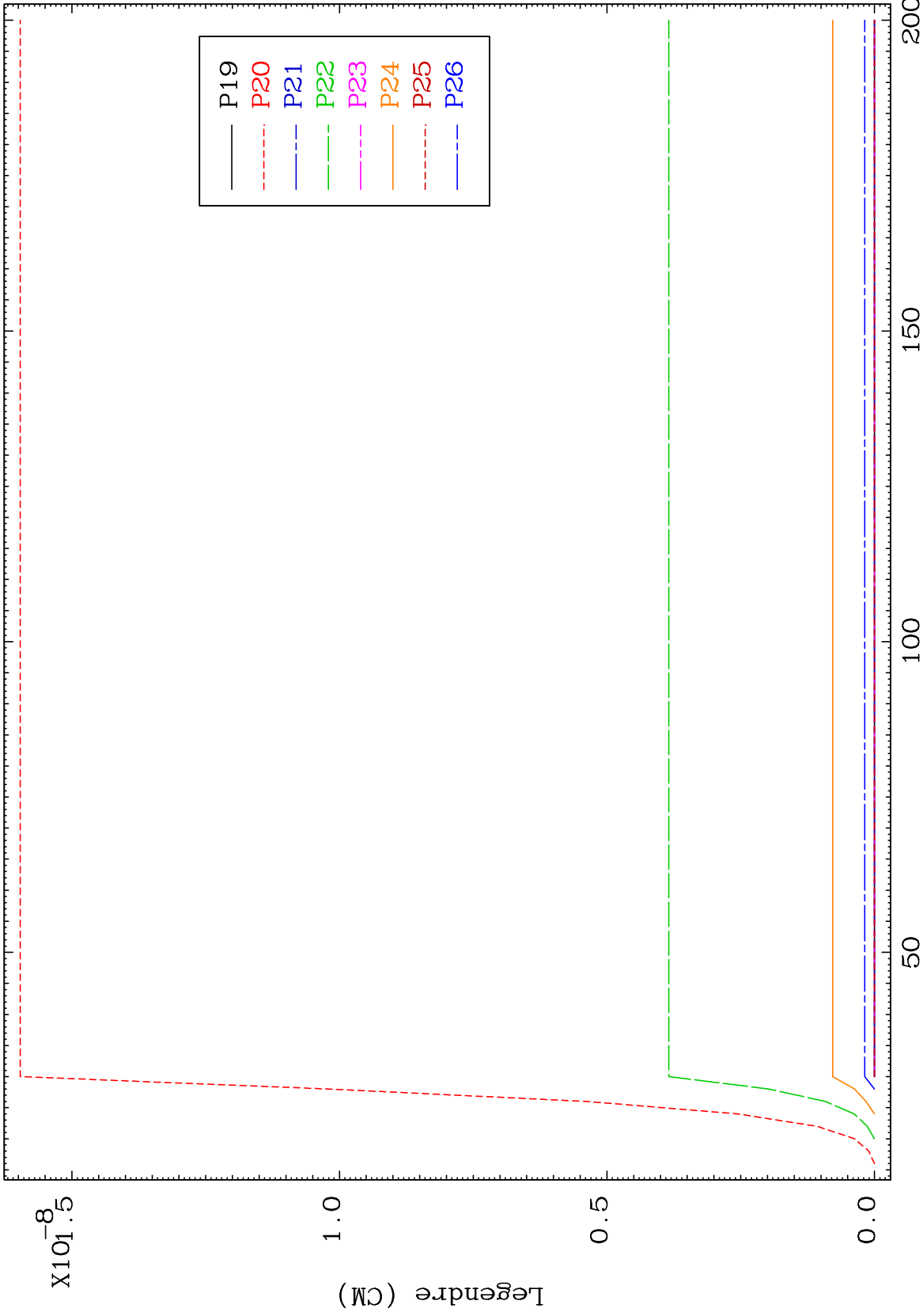
102



MAT 1328

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

13-Al-28



104

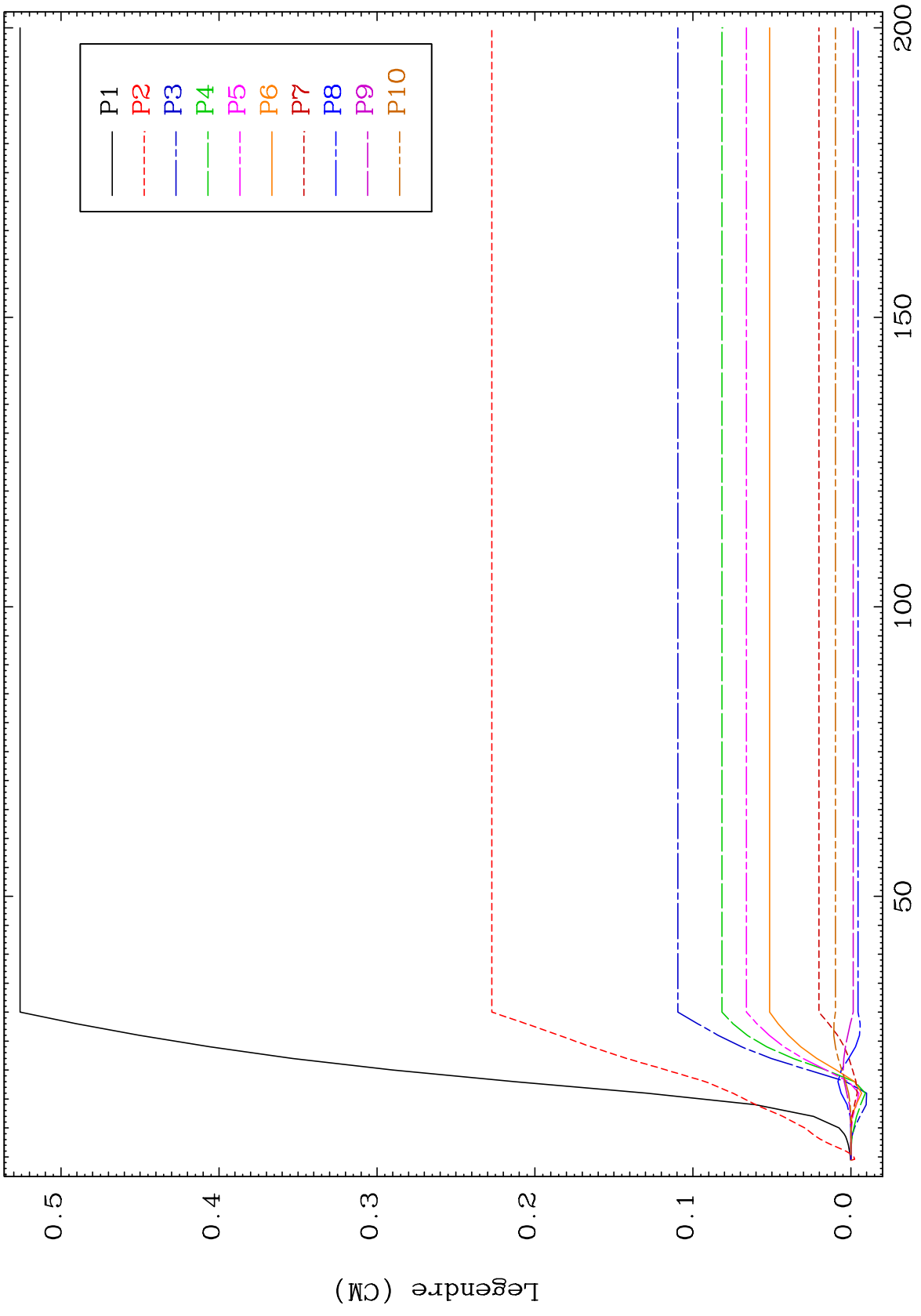
Incident Energy (MeV)

13-Al-28

MAT 1328

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

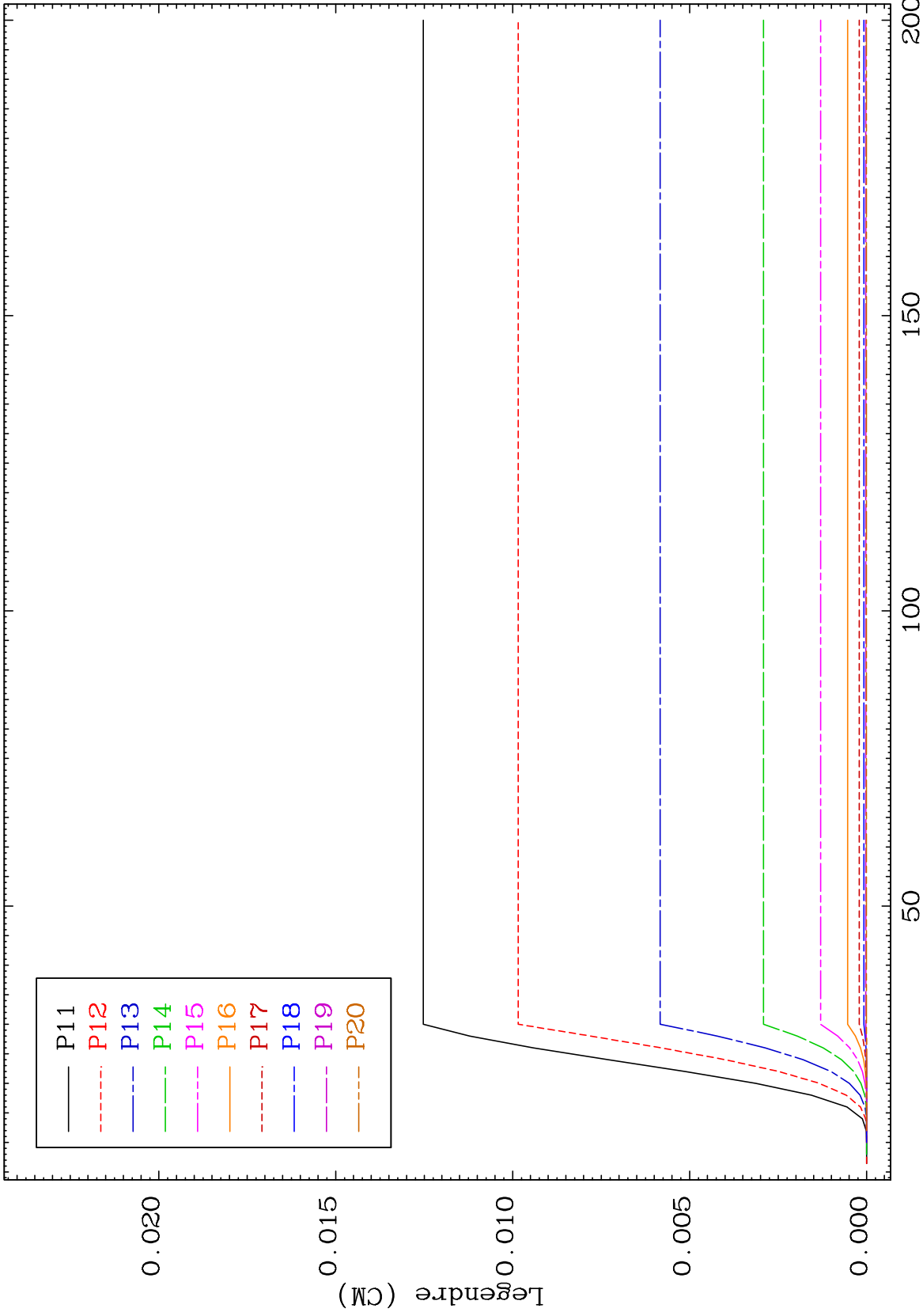
13-Al-28



105

Incident Energy (MeV)

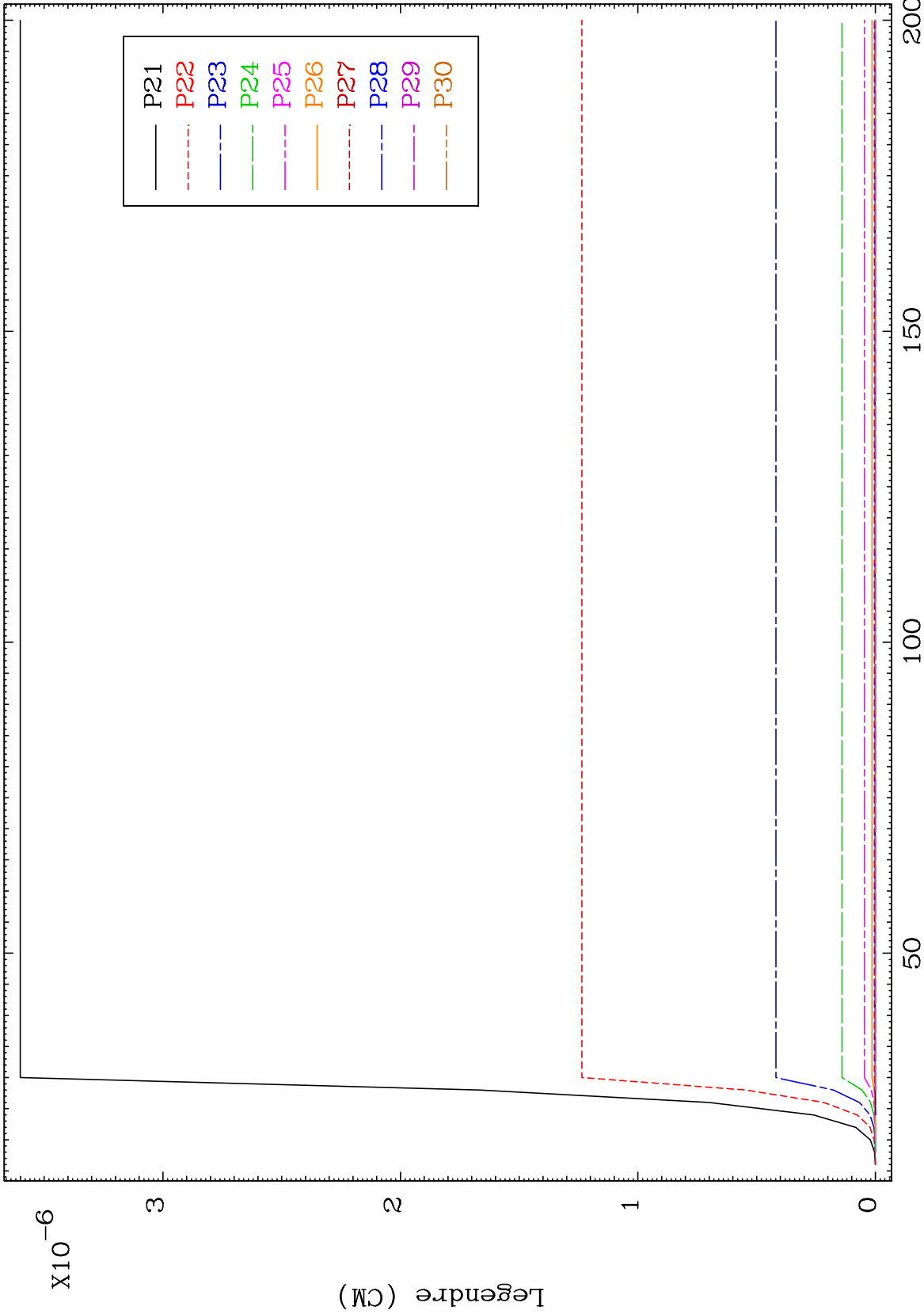
13-Al-28



MAT 1328

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

13-Al-28



107

Incident Energy (MeV)

13-Al-28

(n,3n)
Radionuclide Production Cross Section

