

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

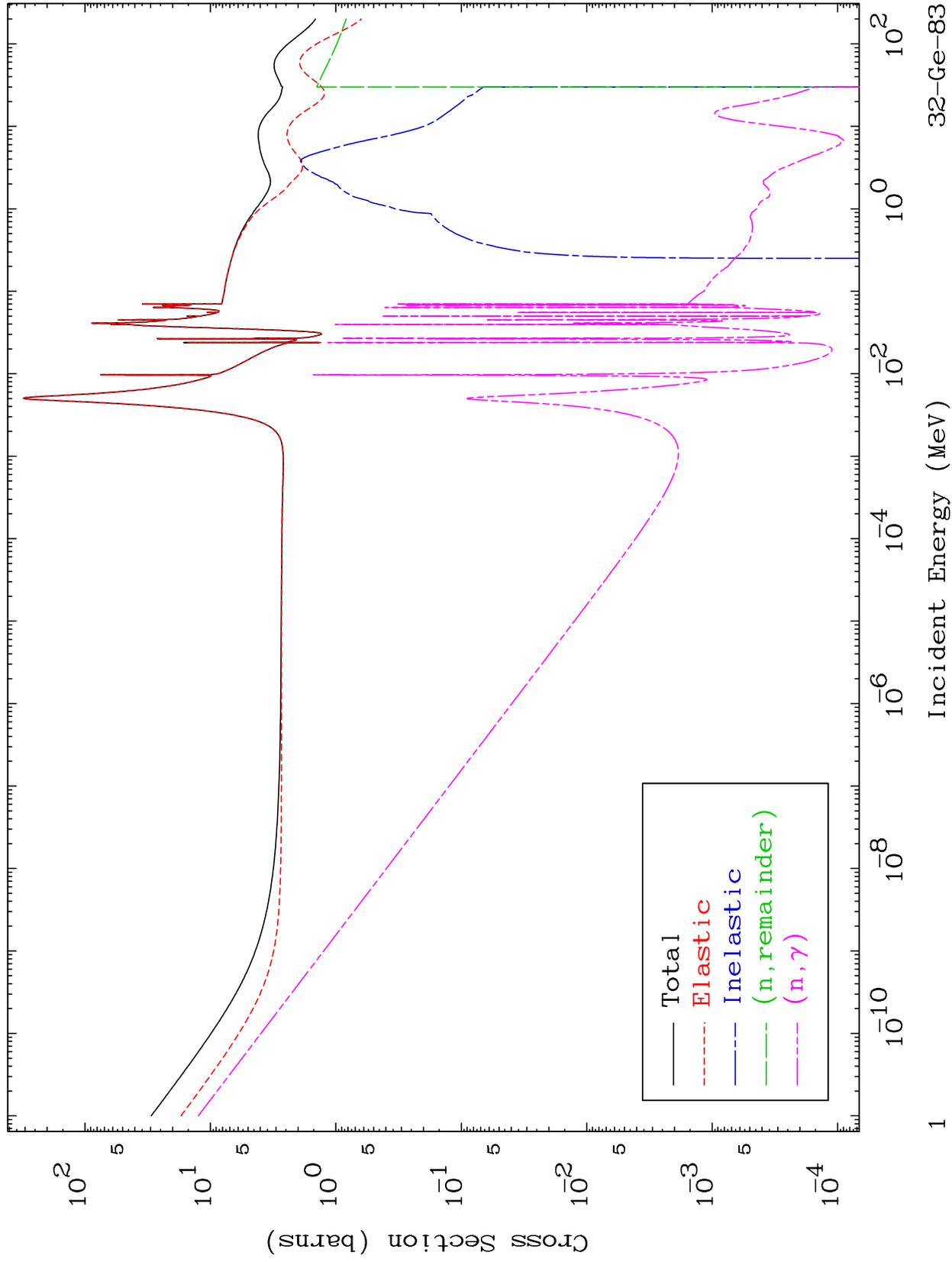
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3264

Major
293 Kelvin Cross Sections

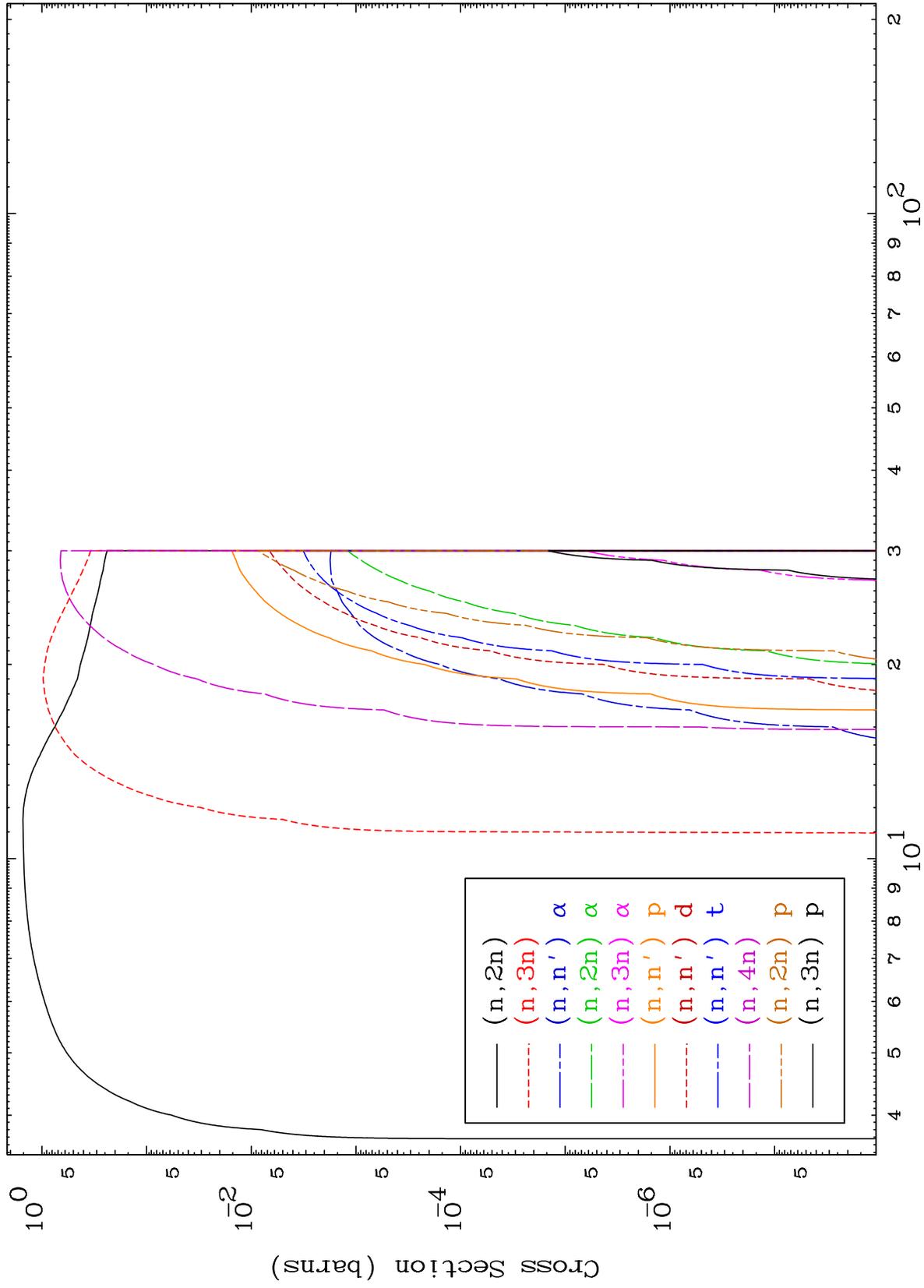
32-Ge-83



MAT 3264

Neutron Production
293 Kelvin Cross Sections

32-Ge-83



2

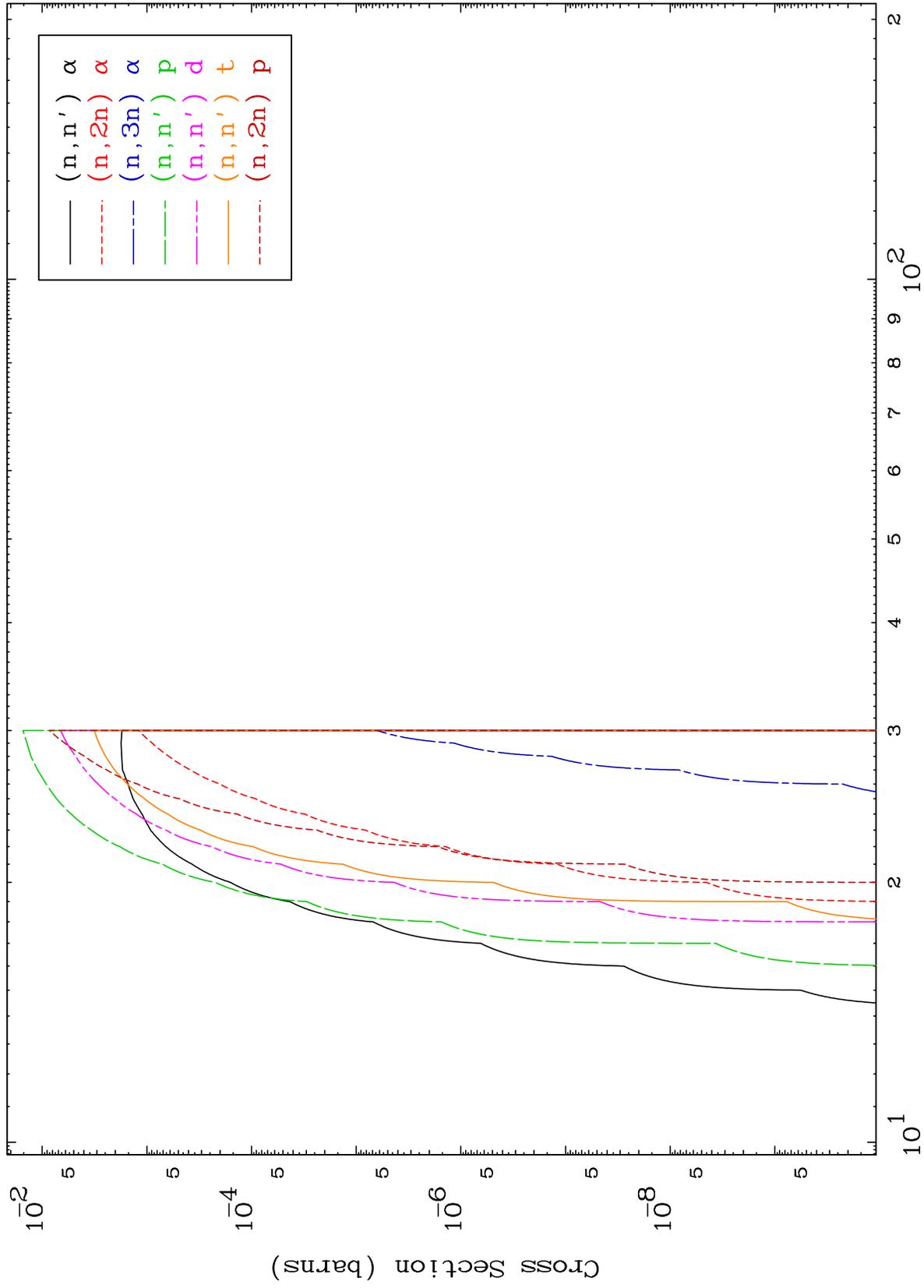
Incident Energy (MeV)

32-Ge-83

MAT 3264

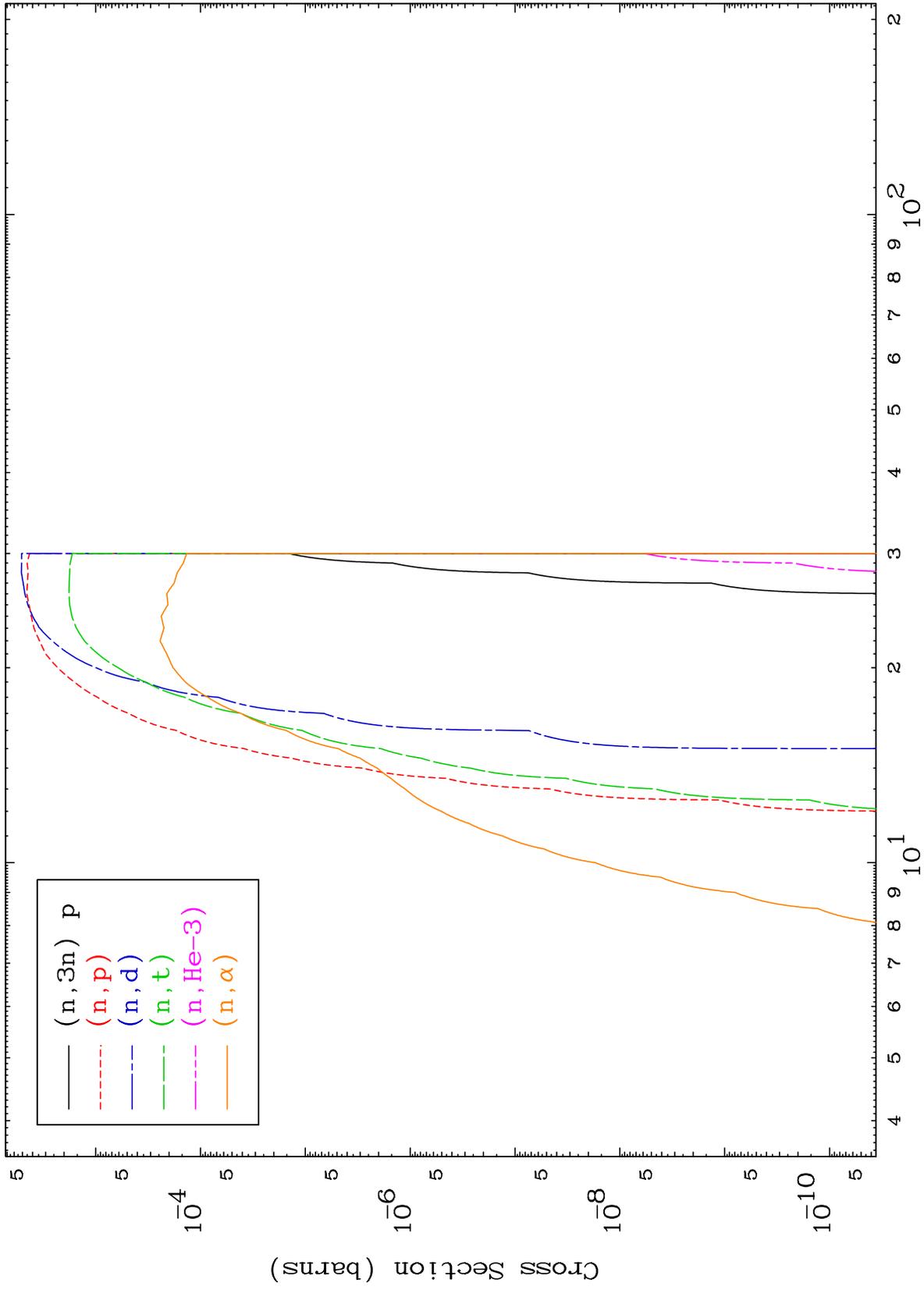
Charged Particle
293 Kelvin Cross Sections

32-Ge-83



Incident Energy (MeV)

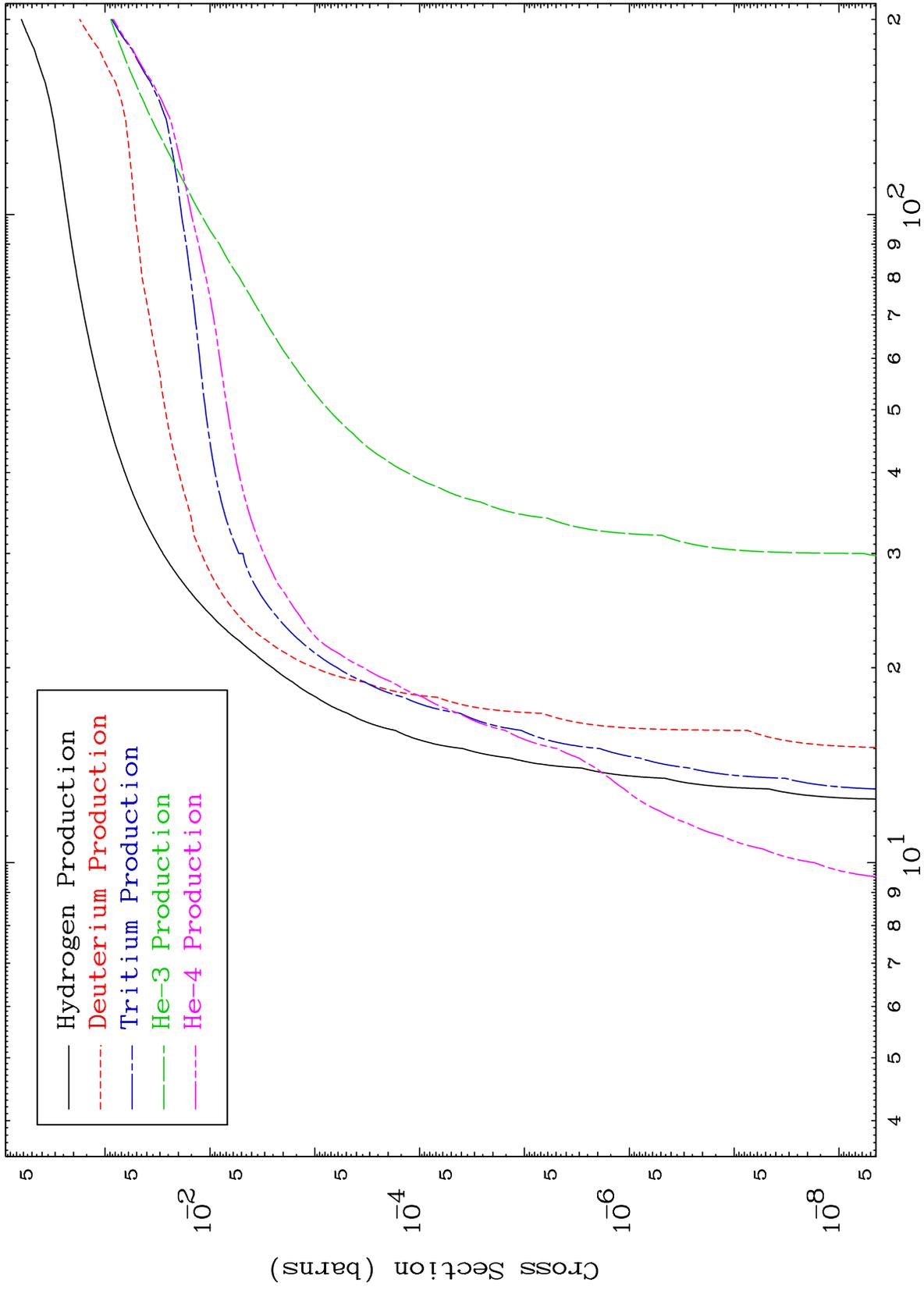
32-Ge-83



MAT 3264

Particle Production
293 Kelvin Cross Sections

32-Ge-83



5

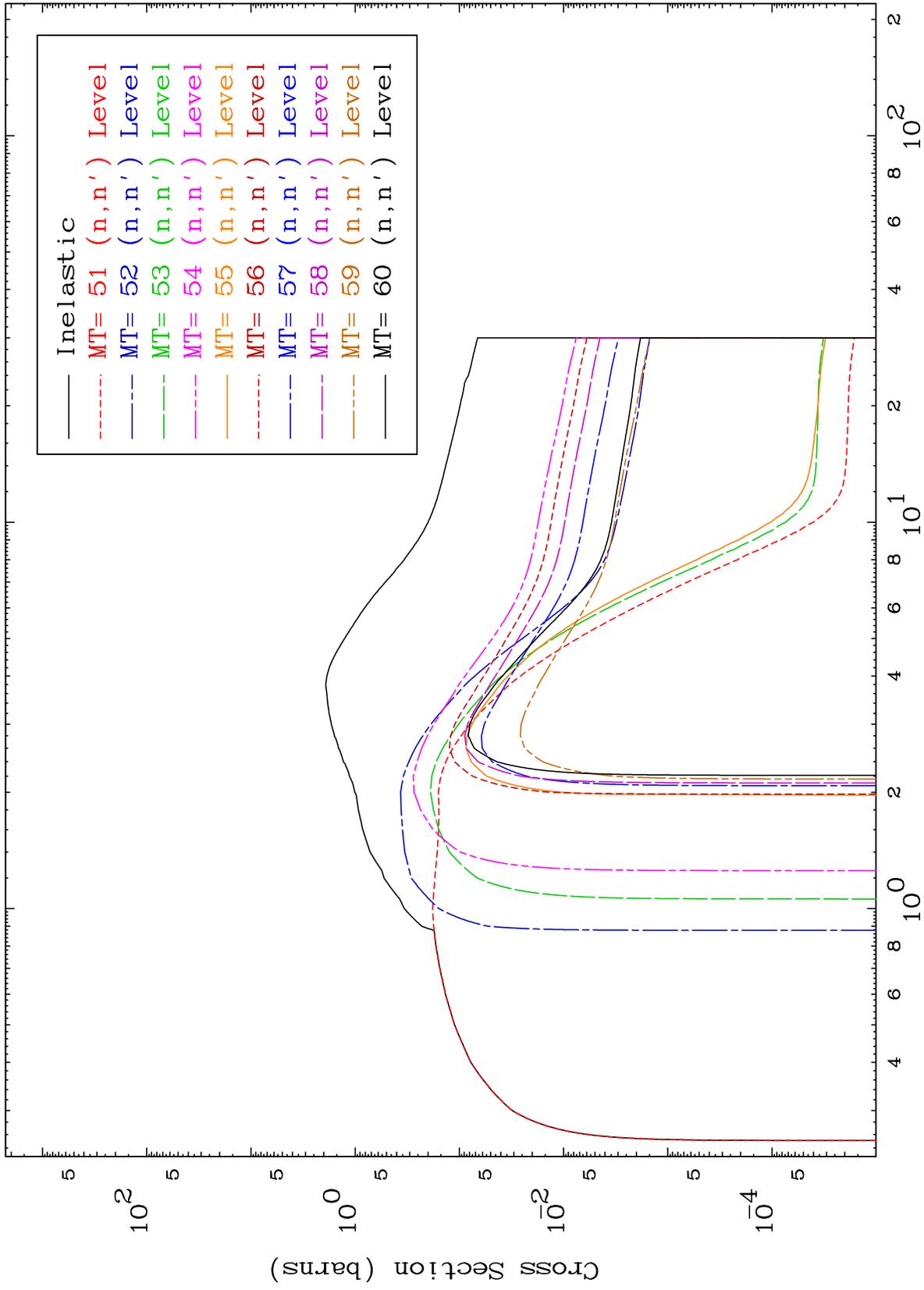
Incident Energy (MeV)

32-Ge-83

MAT 3264

(n,n') Level
293 Kelvin Cross Sections

32-Ge-83

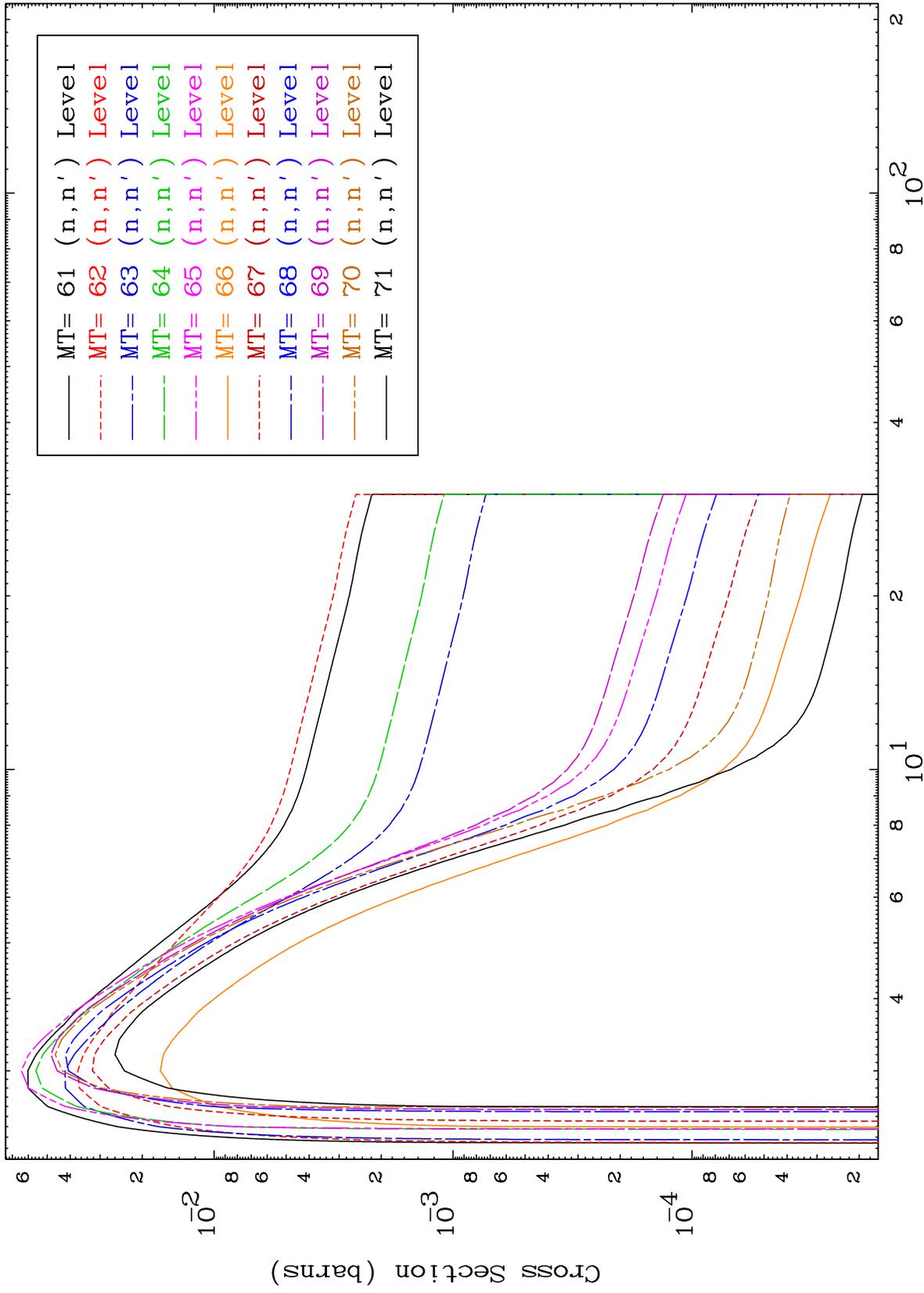


MAT 3264

(n,n') Level

32-Ge-83

293 Kelvin Cross Sections



7

Incident Energy (MeV)

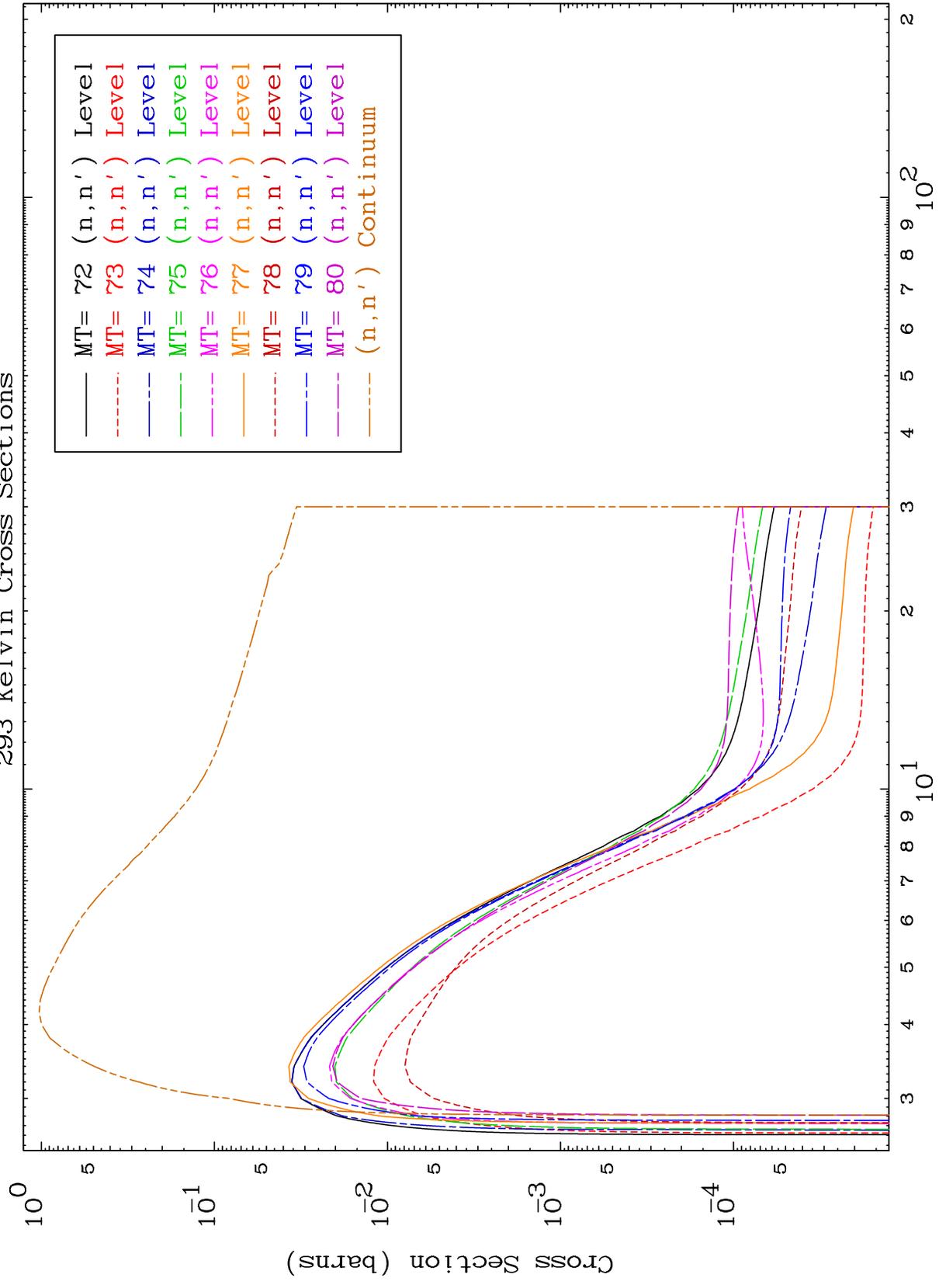
32-Ge-83

MAT 3264

(n,n') Level

32-Ge-83

293 Kelvin Cross Sections



8

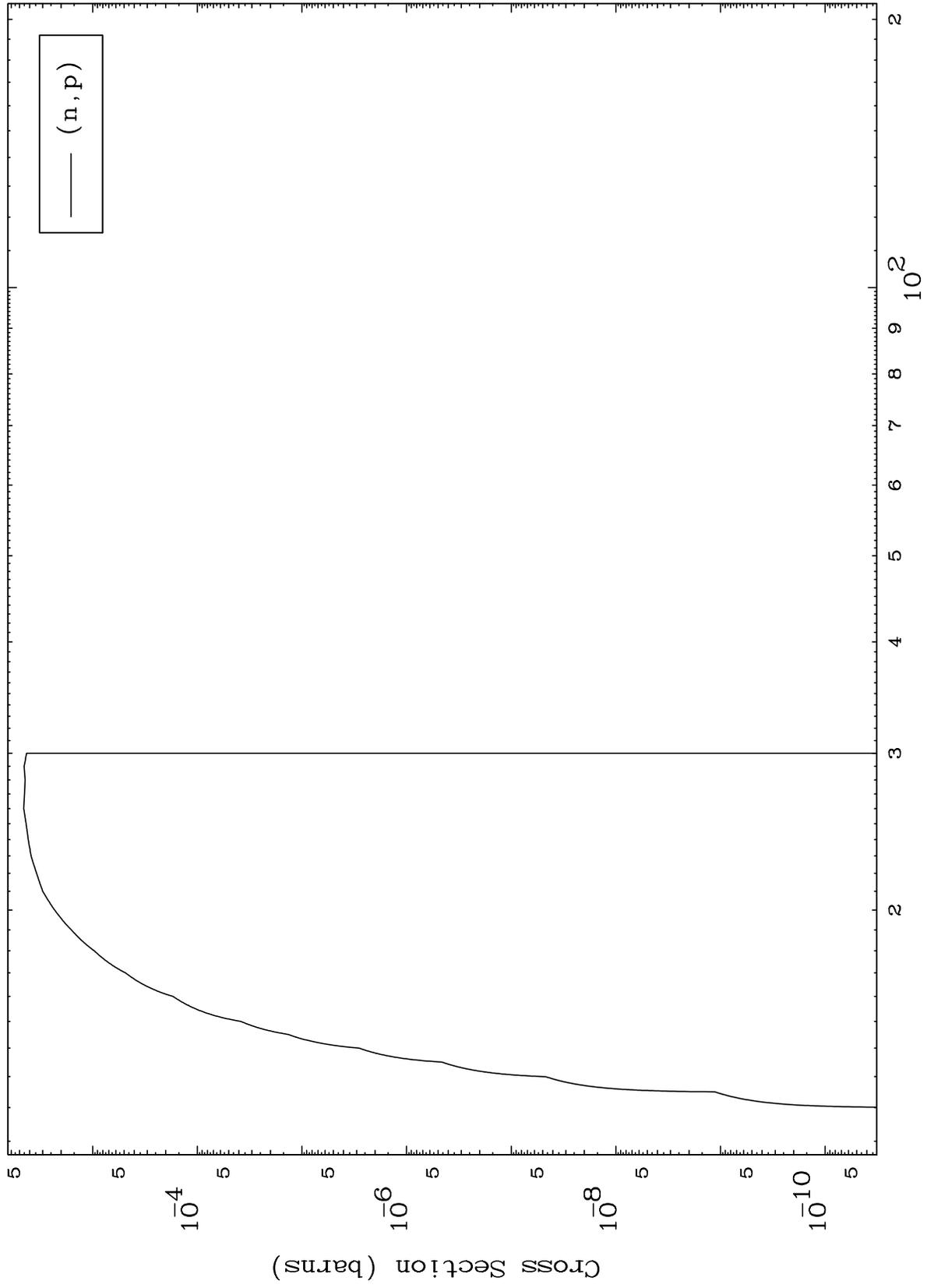
Incident Energy (MeV)

32-Ge-83

MAT 3264

(n,p) Levels
293 Kelvin Cross Sections

32-Ge-83



9

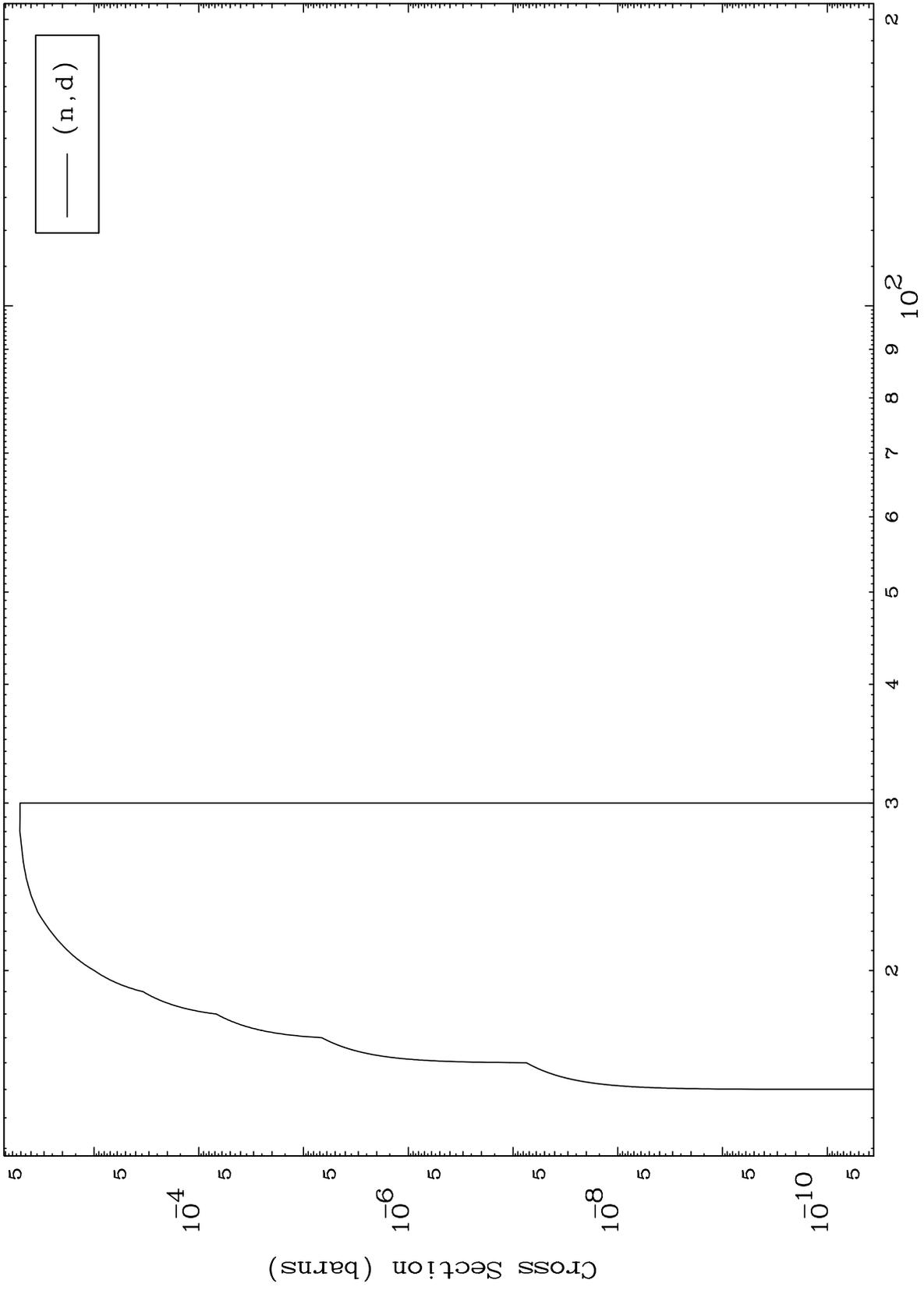
Incident Energy (MeV)

32-Ge-83

MAT 3264

(n,d) Levels
293 Kelvin Cross Sections

32-Ge-83



10

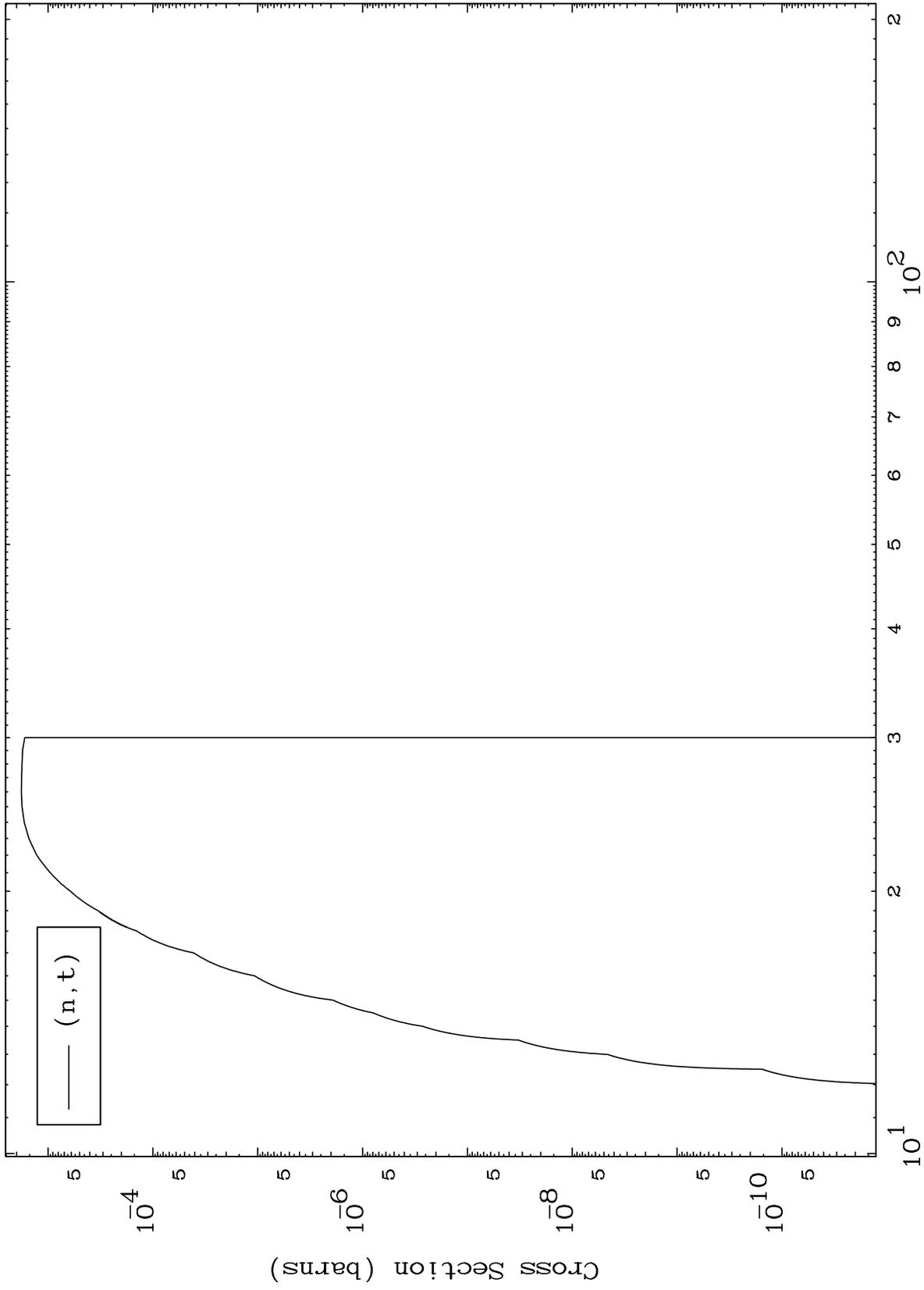
Incident Energy (MeV)

32-Ge-83

MAT 3264

(n,t) Levels
293 Kelvin Cross Sections

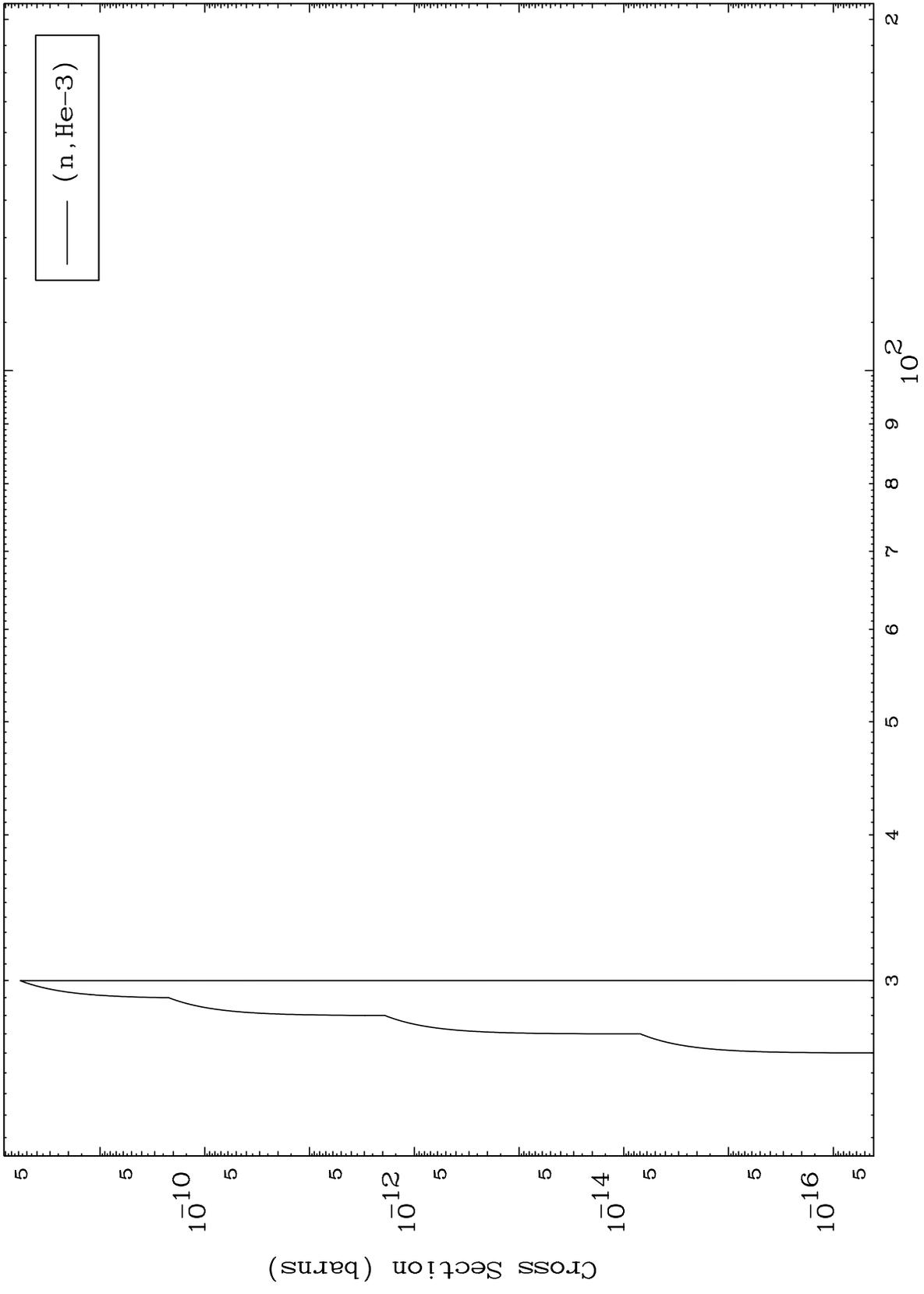
32-Ge-83



11

Incident Energy (MeV)

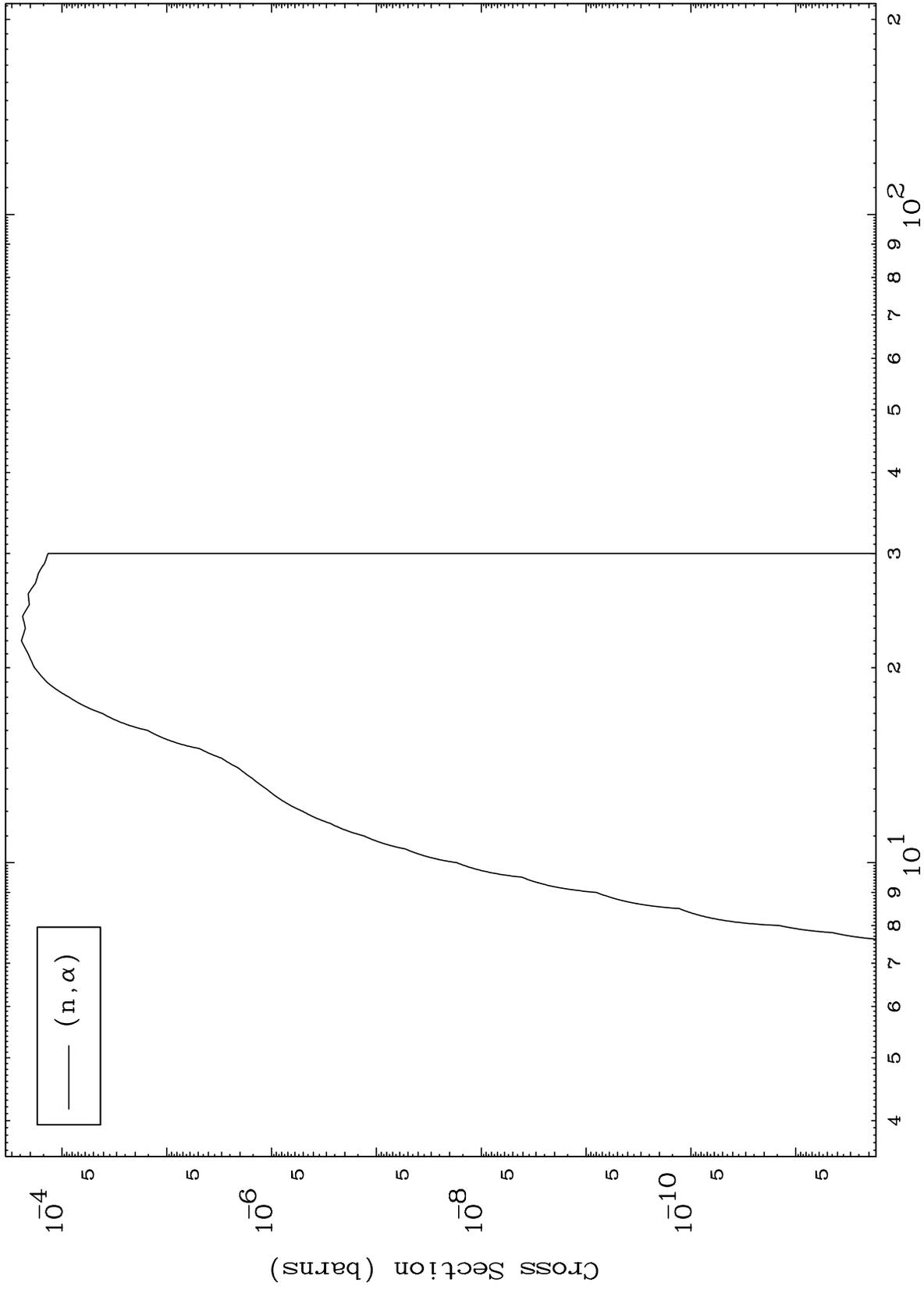
32-Ge-83



MAT 3264

32-Ge-83

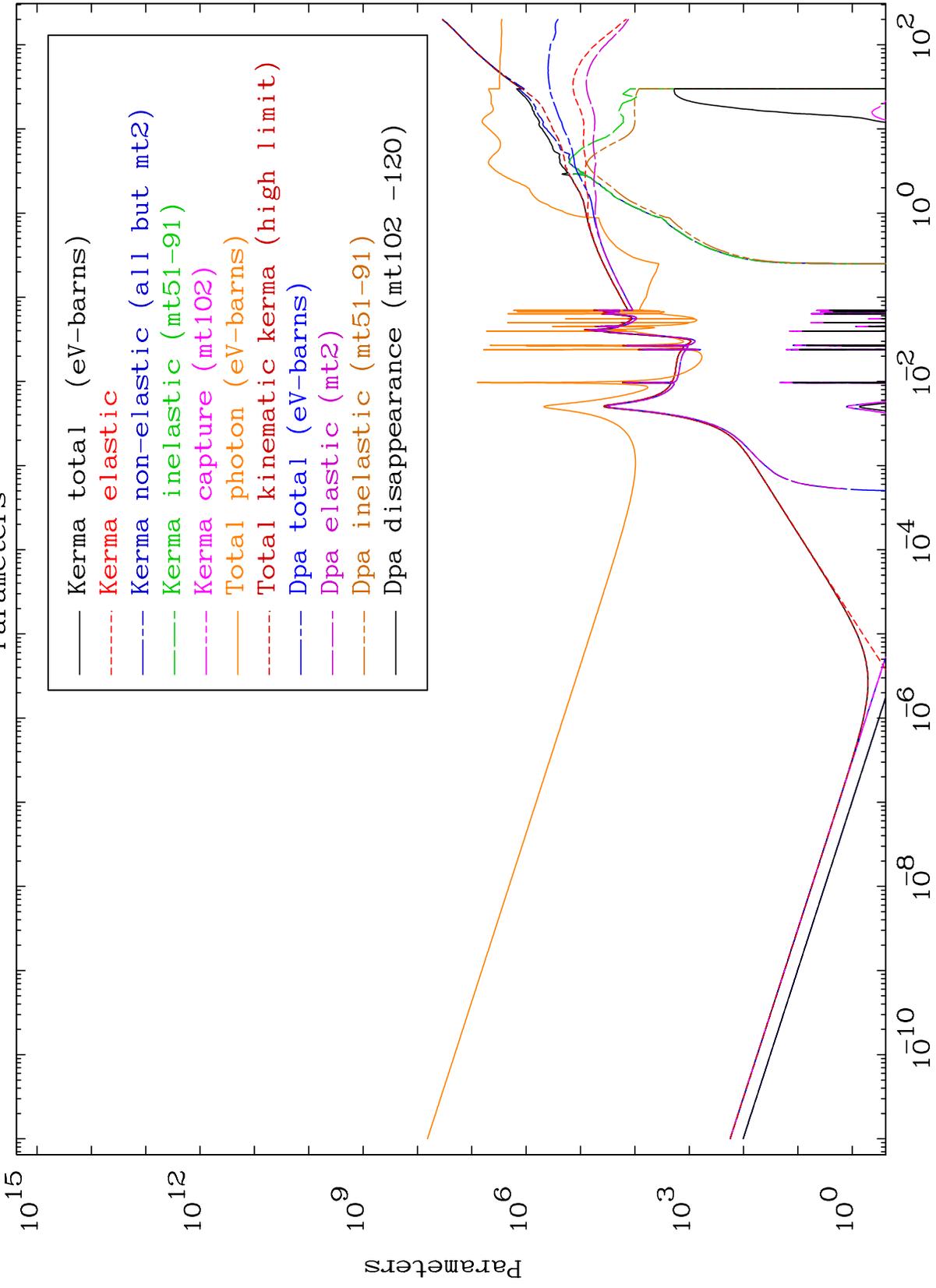
(n, α) Levels
293 Kelvin Cross Sections



13

Incident Energy (MeV)

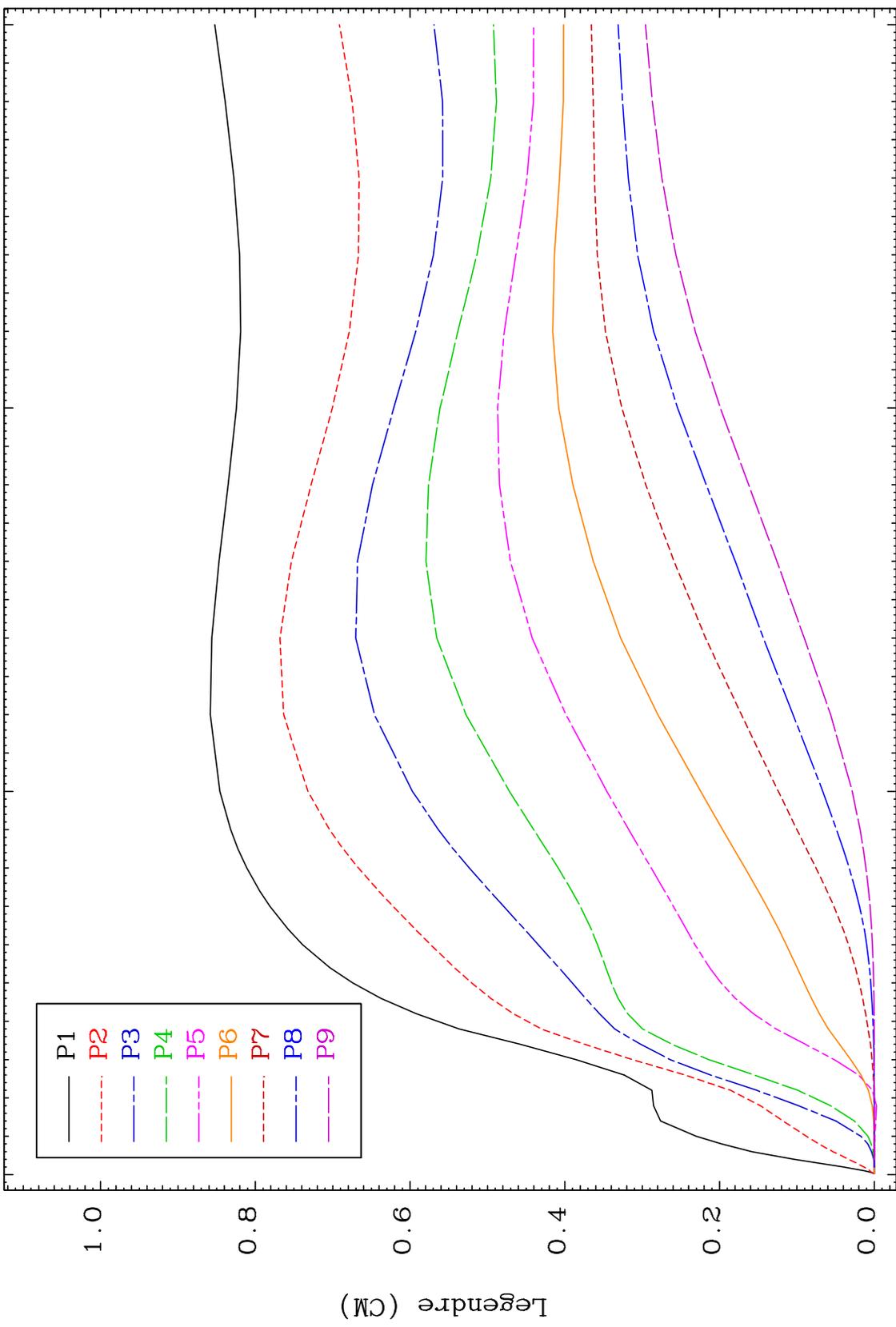
32-Ge-83



MAT 3264

Elastic Legendre Coefficients

32-Ge-83



15

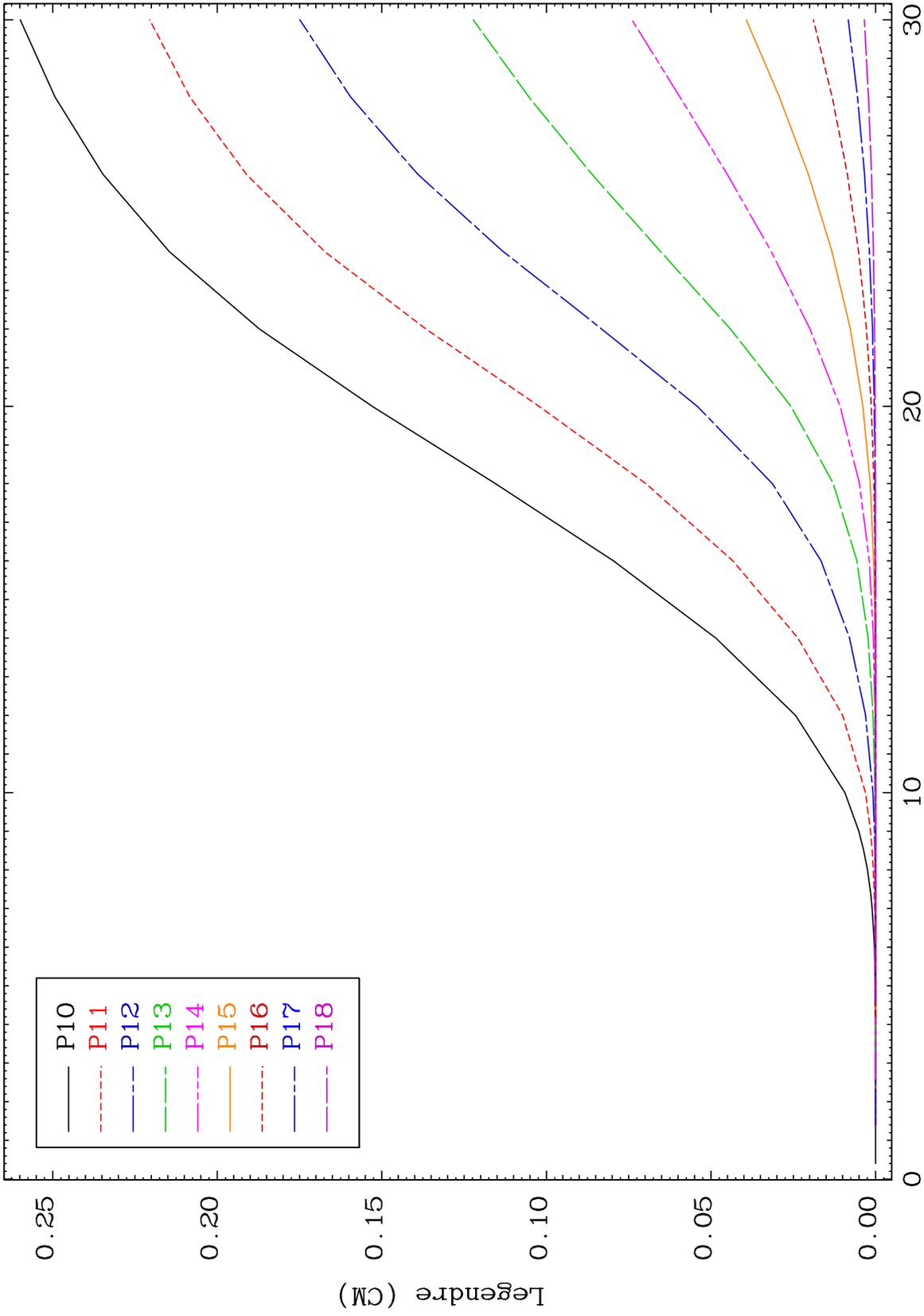
Incident Energy (MeV)

32-Ge-83

MAT 3264

Elastic Legendre Coefficients

32-Ge-83



16

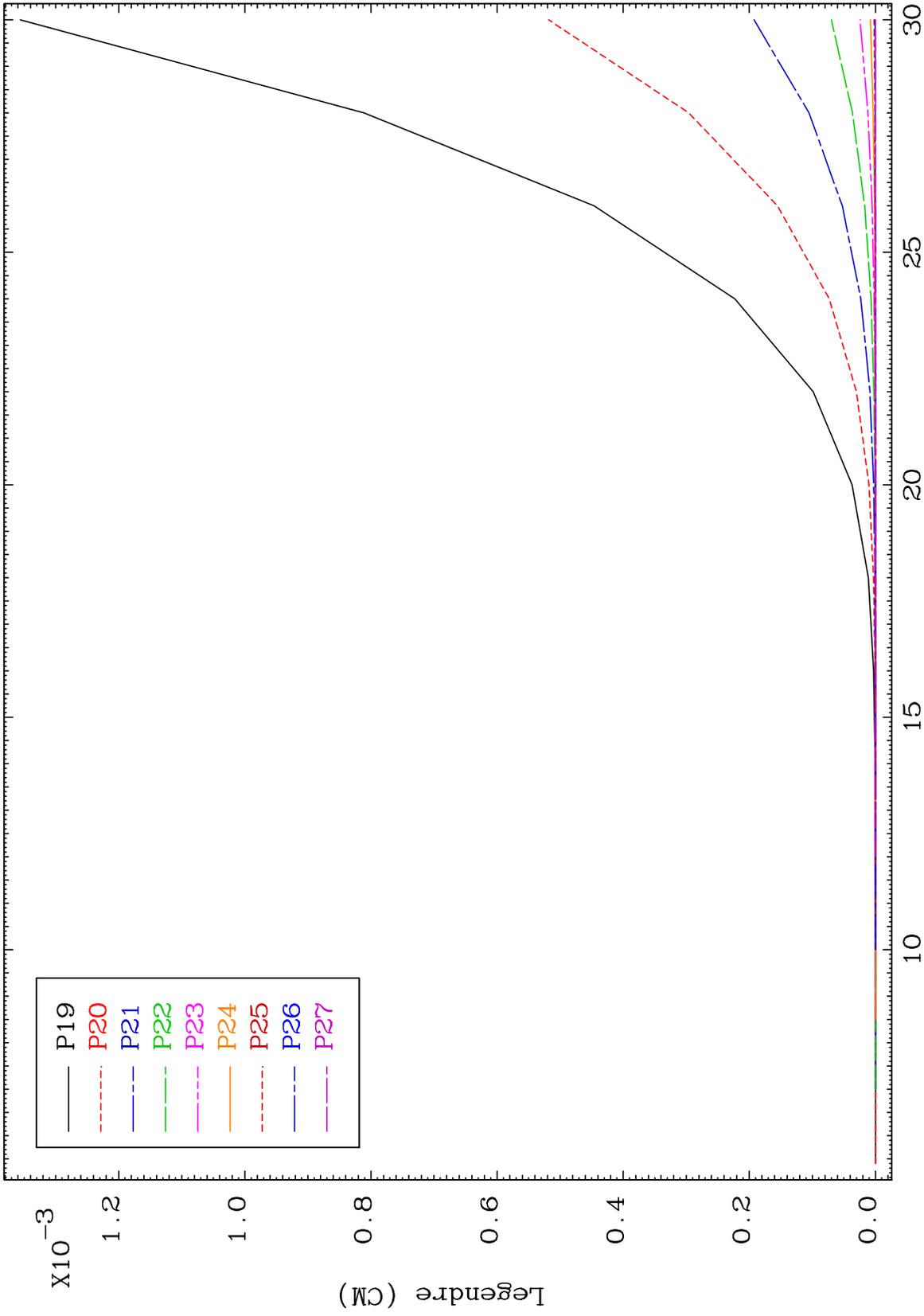
Incident Energy (MeV)

32-Ge-83

MAT 3264

Elastic Legendre Coefficients

32-Ge-83



17

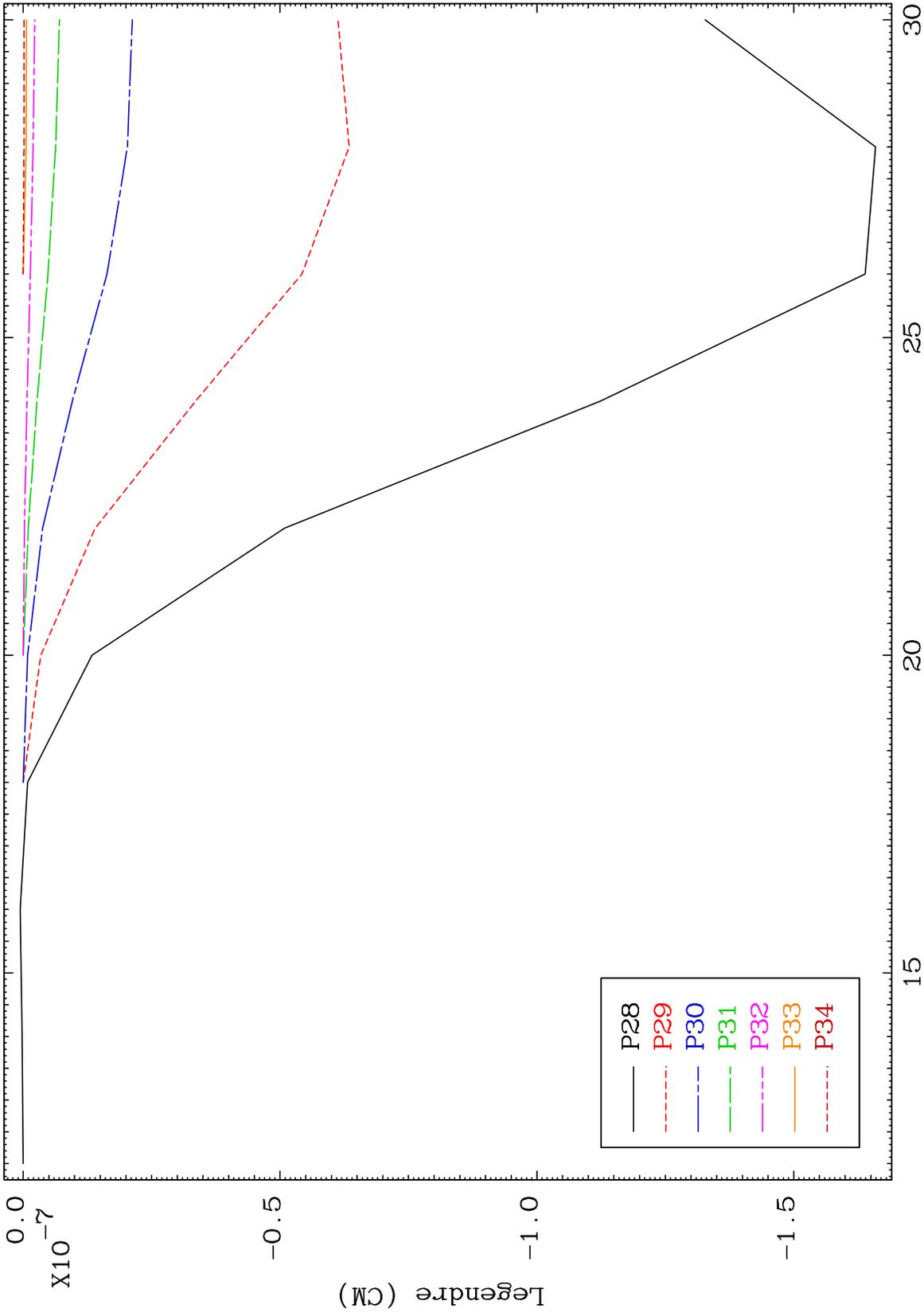
Incident Energy (MeV)

32-Ge-83

MAT 3264

32-Ge-83

Elastic Legendre Coefficients



18

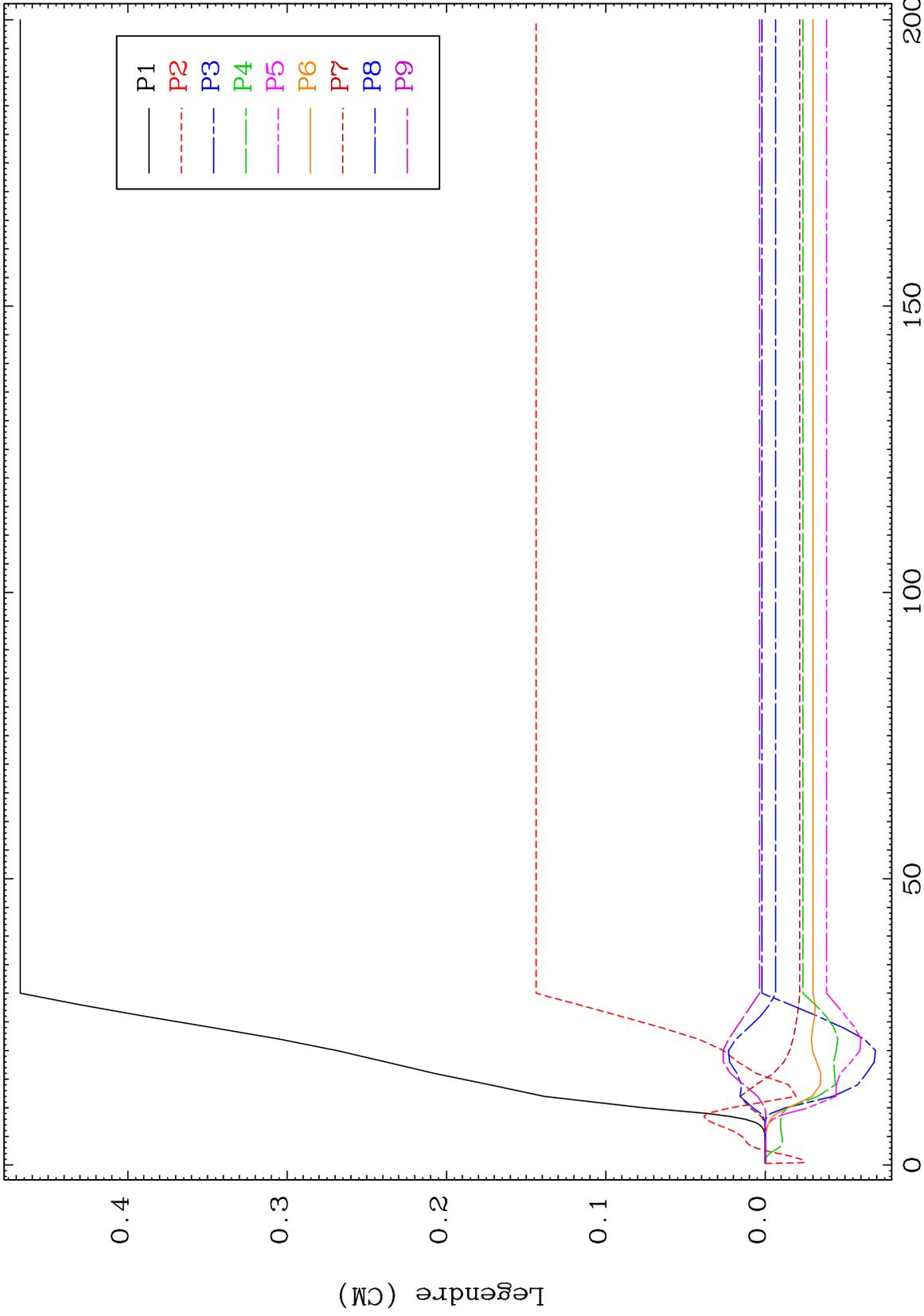
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



19

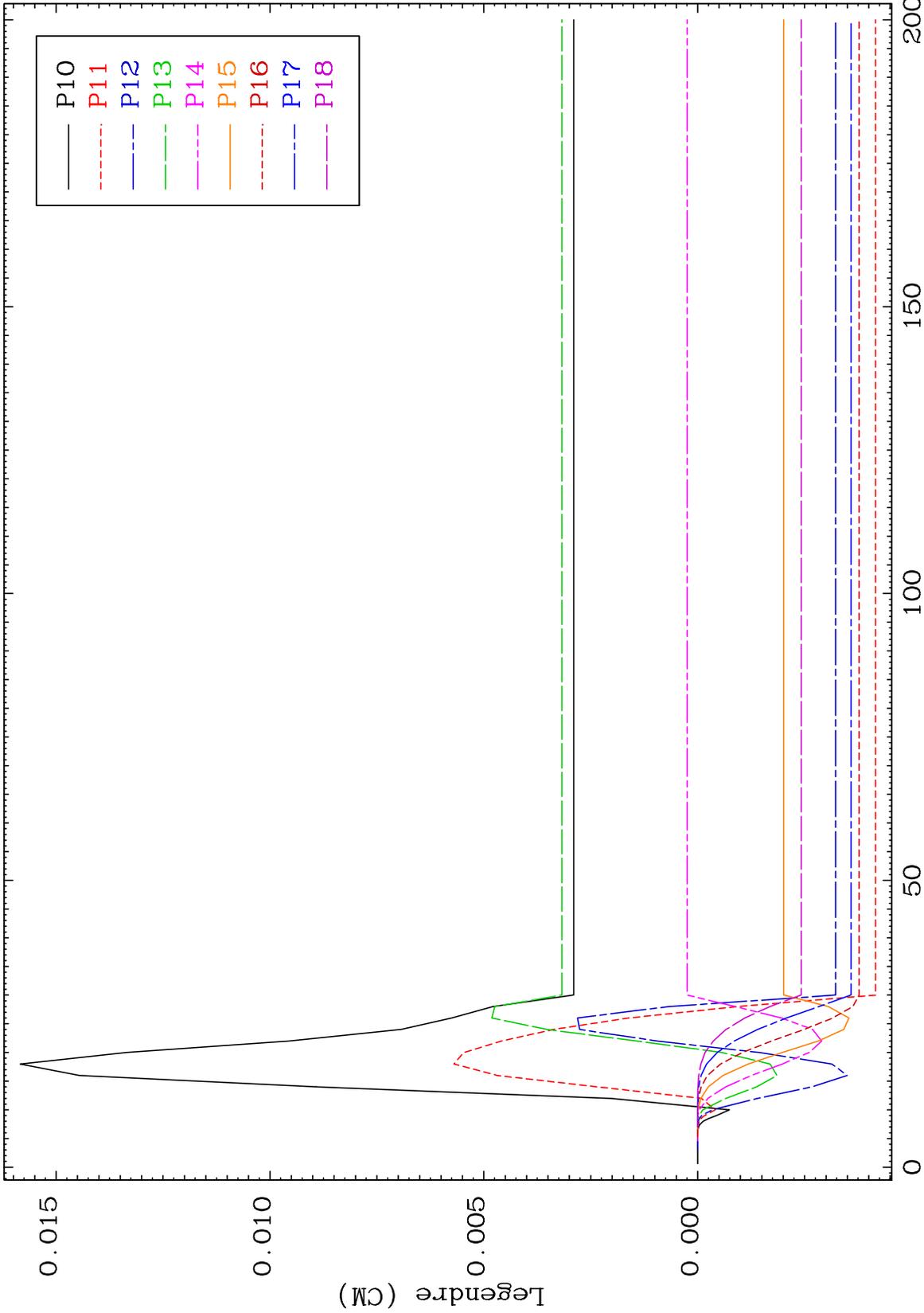
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



0

50

100

150

200

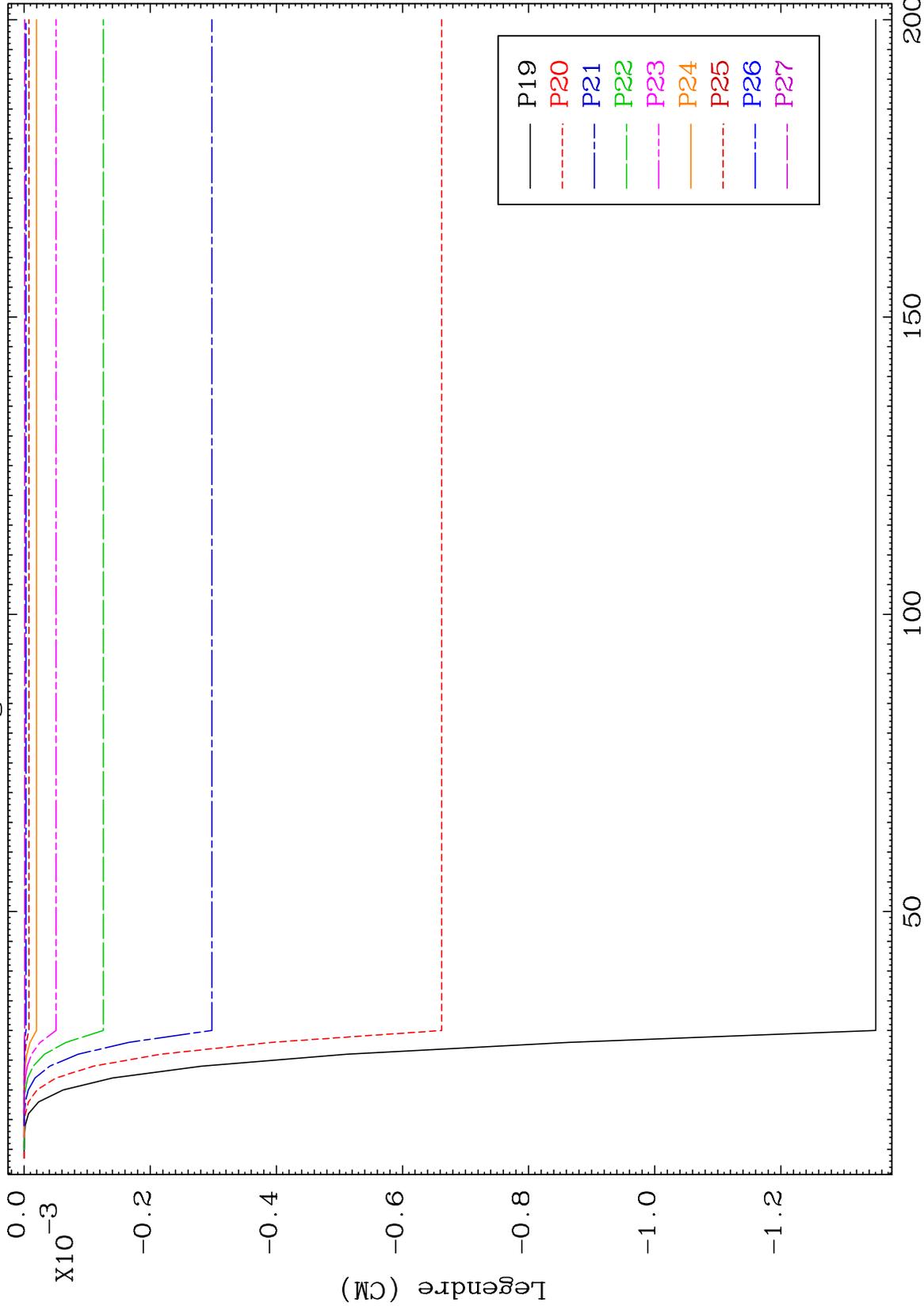
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



32-Ge-83

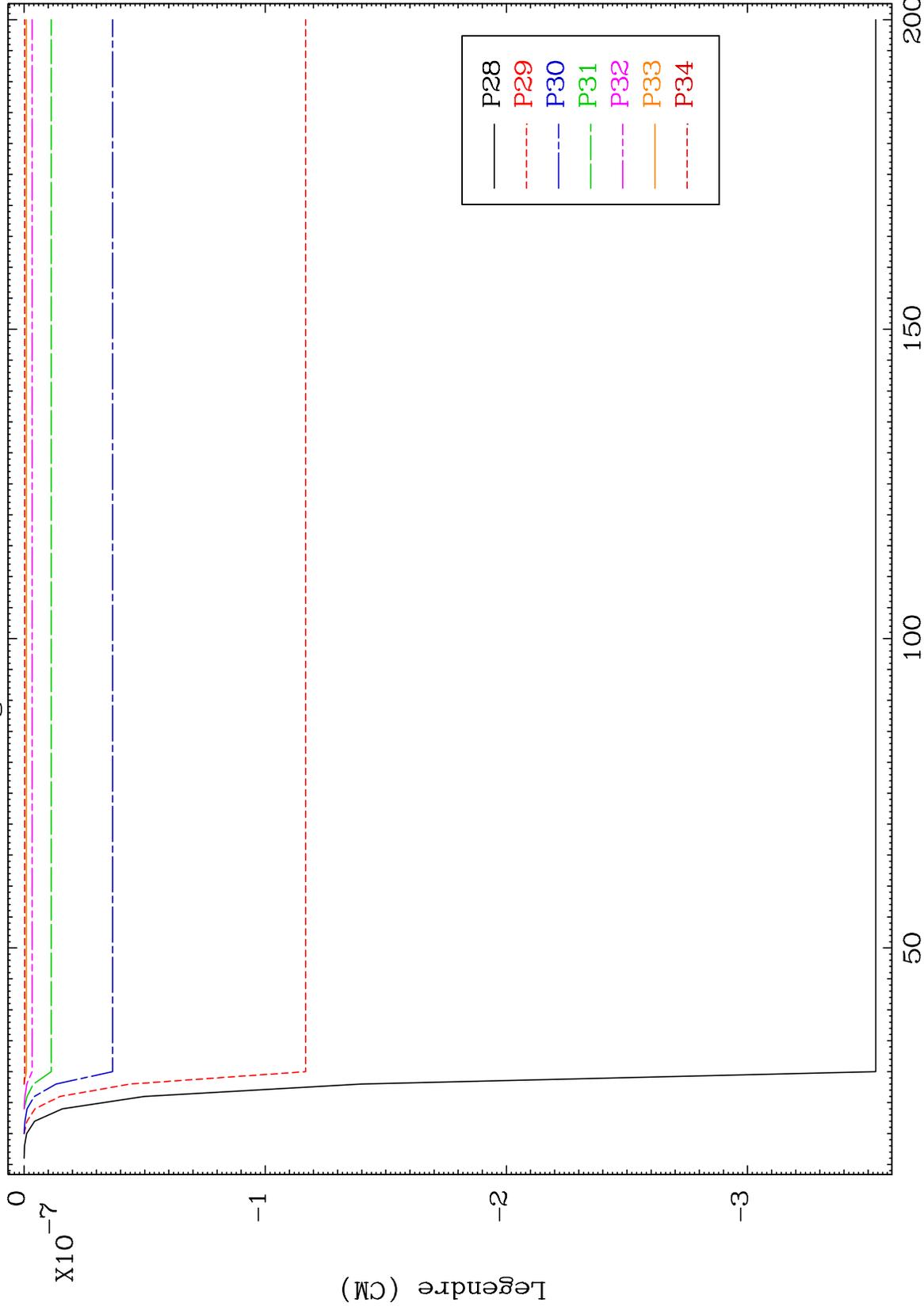
Incident Energy (MeV)

21

MAT 3264

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

32-Ge-83



32-Ge-83

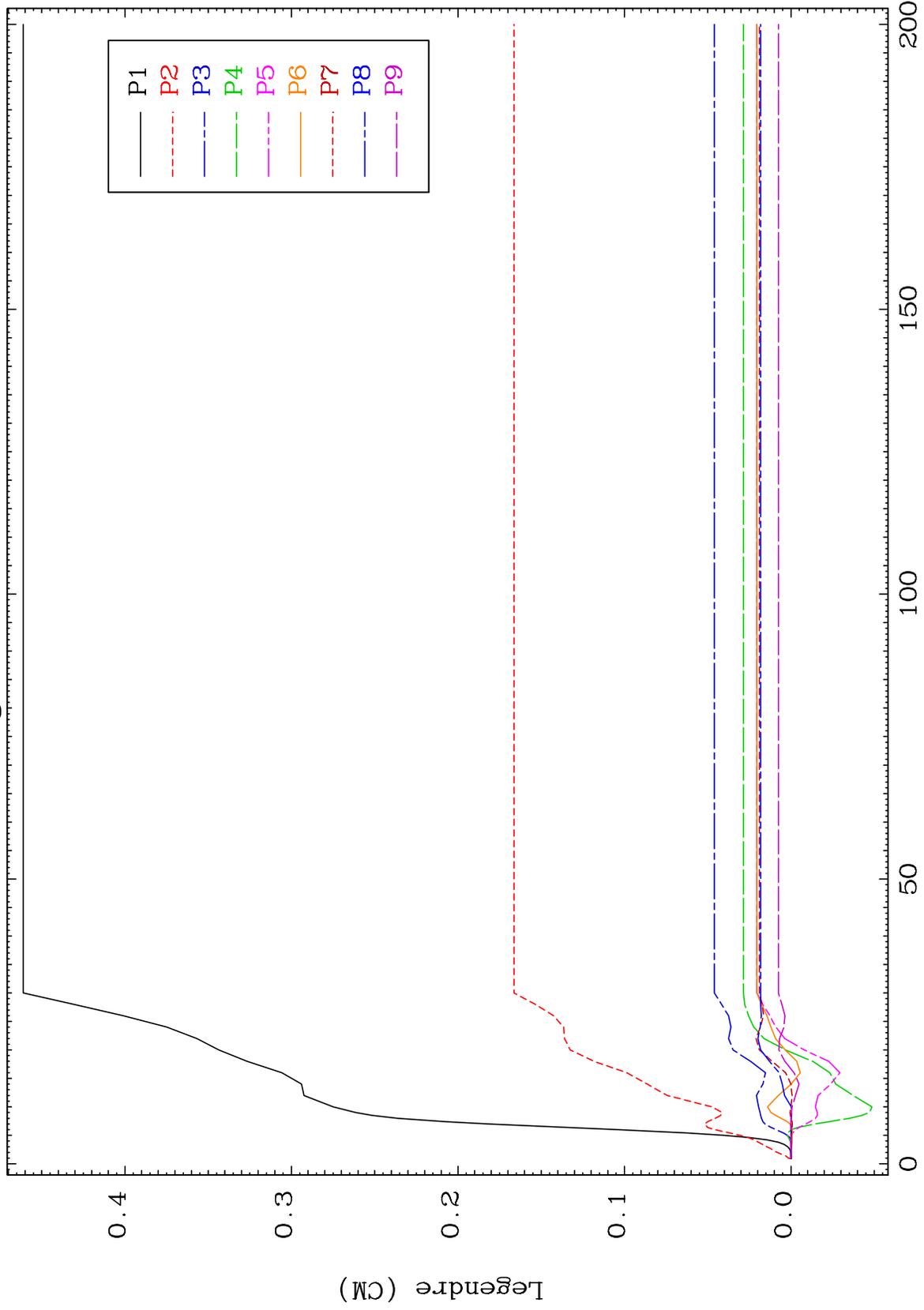
Incident Energy (MeV)

22

MAT 3264

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

32-Ge-83



33

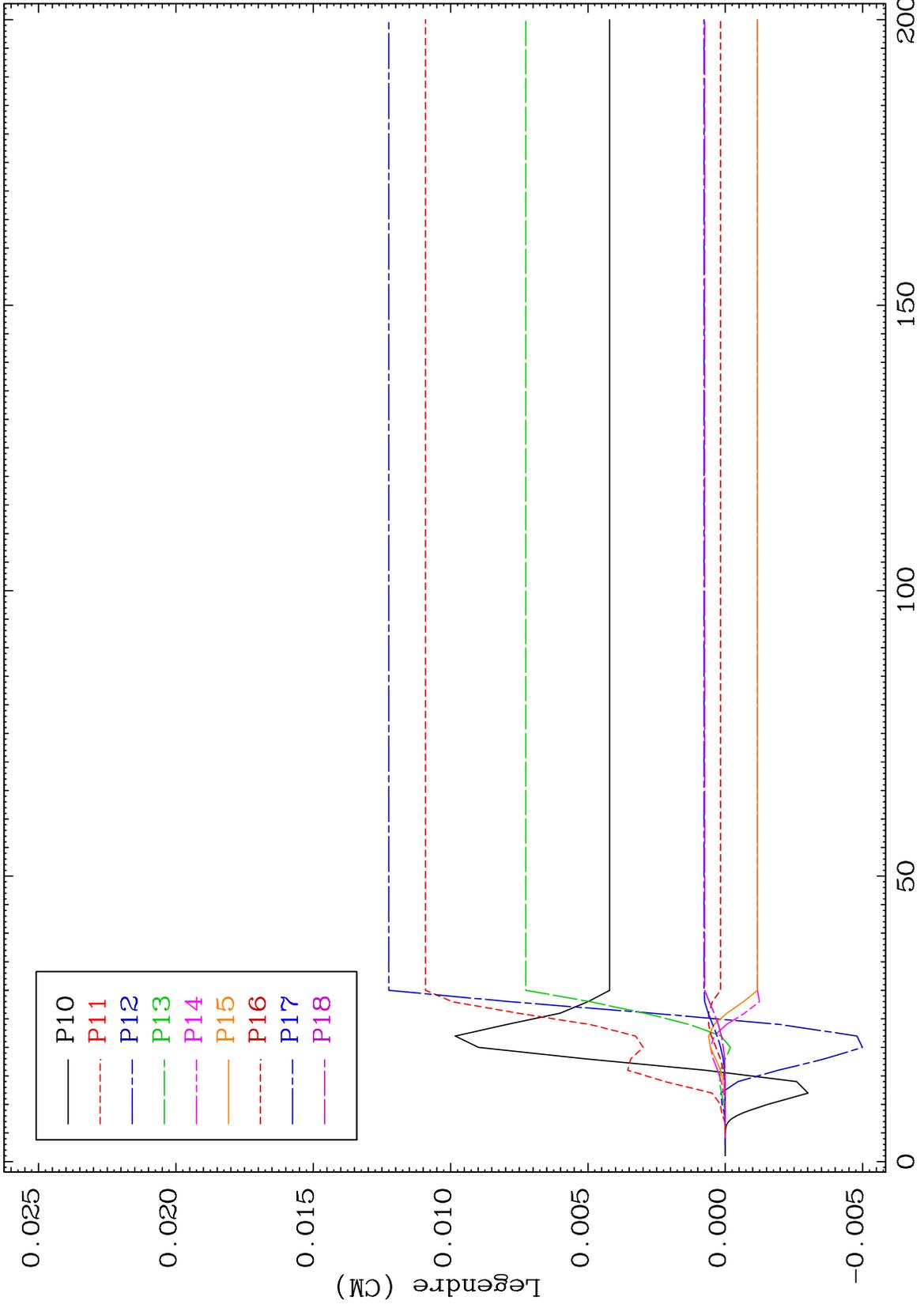
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



24

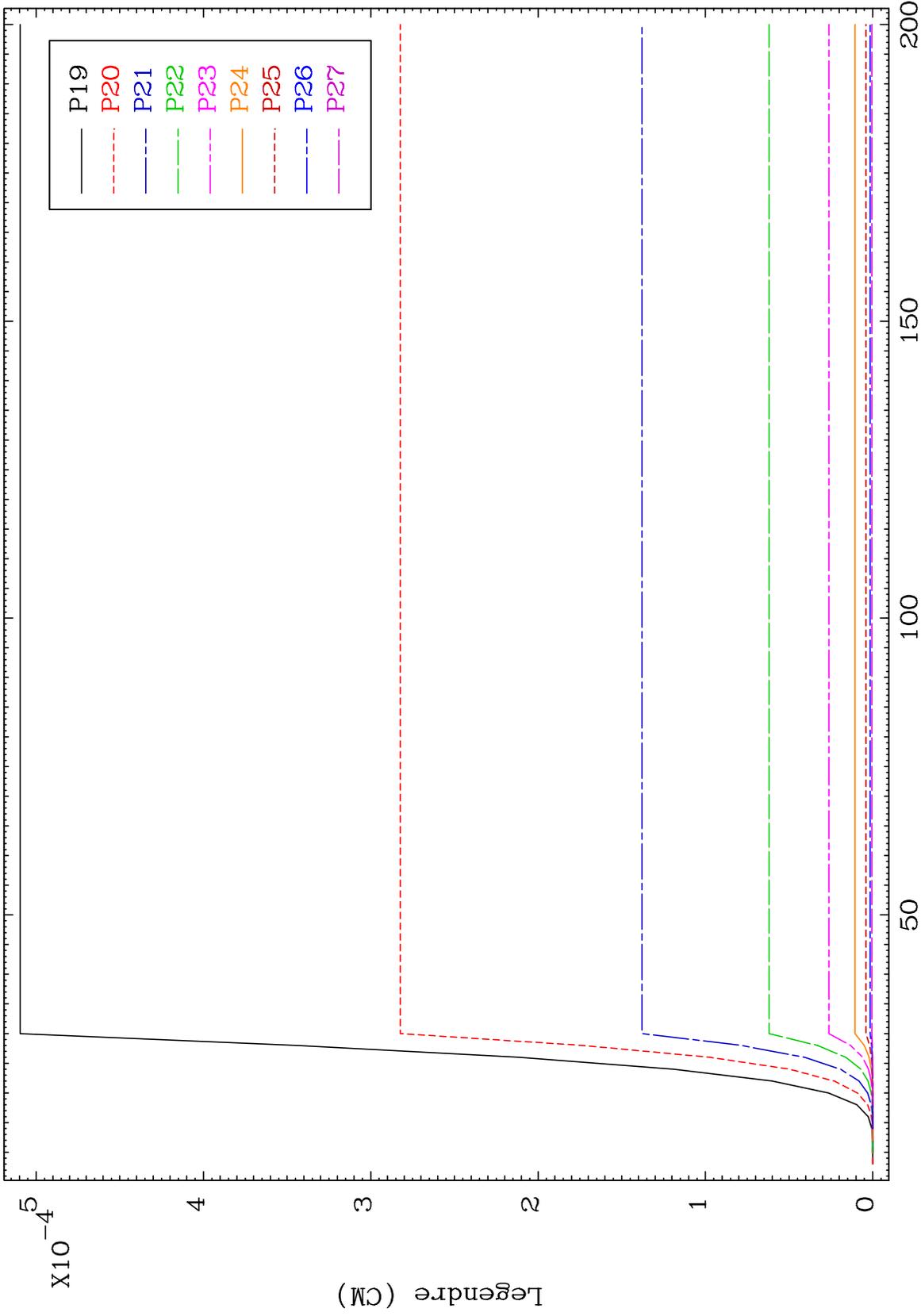
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



25

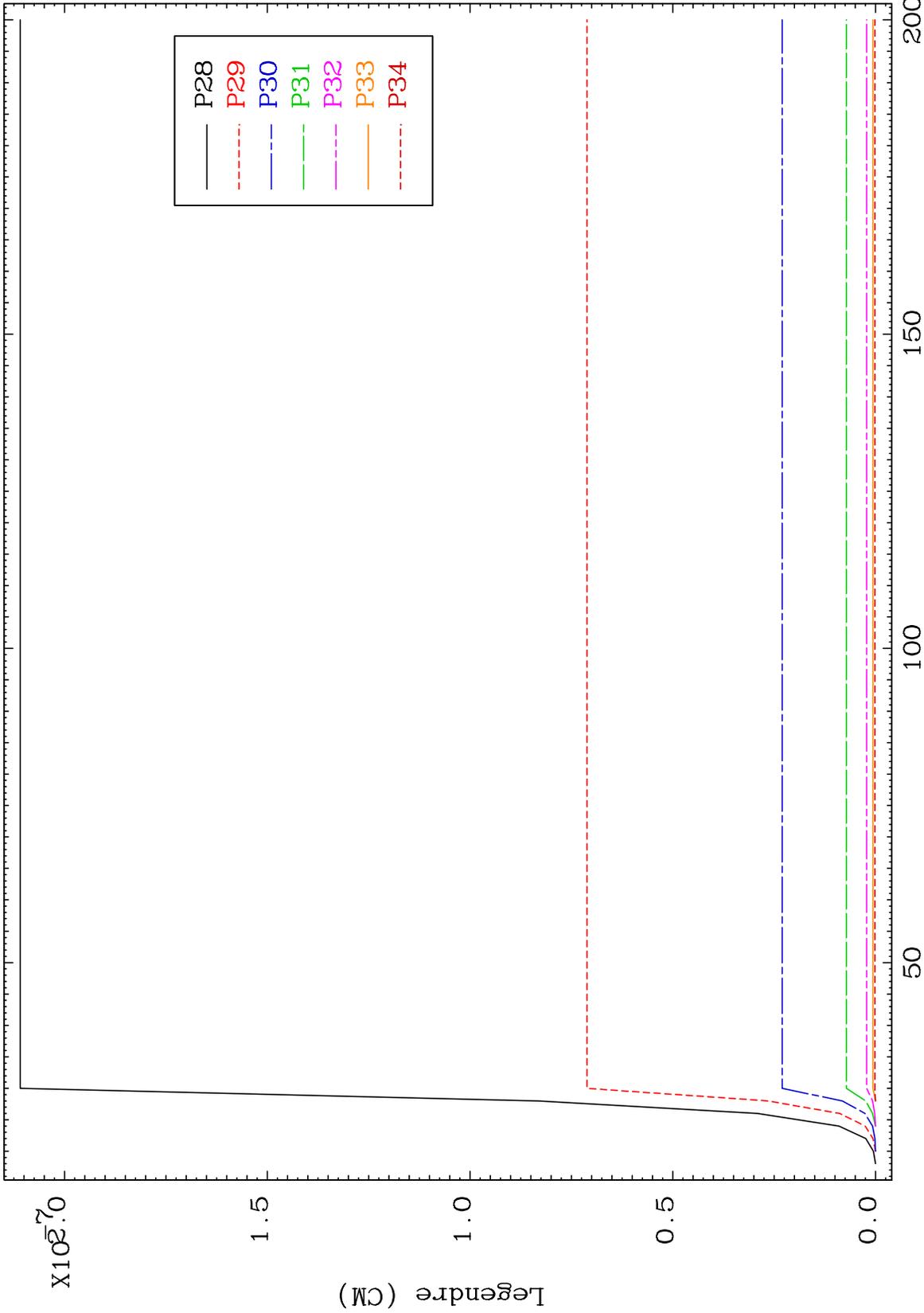
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



26

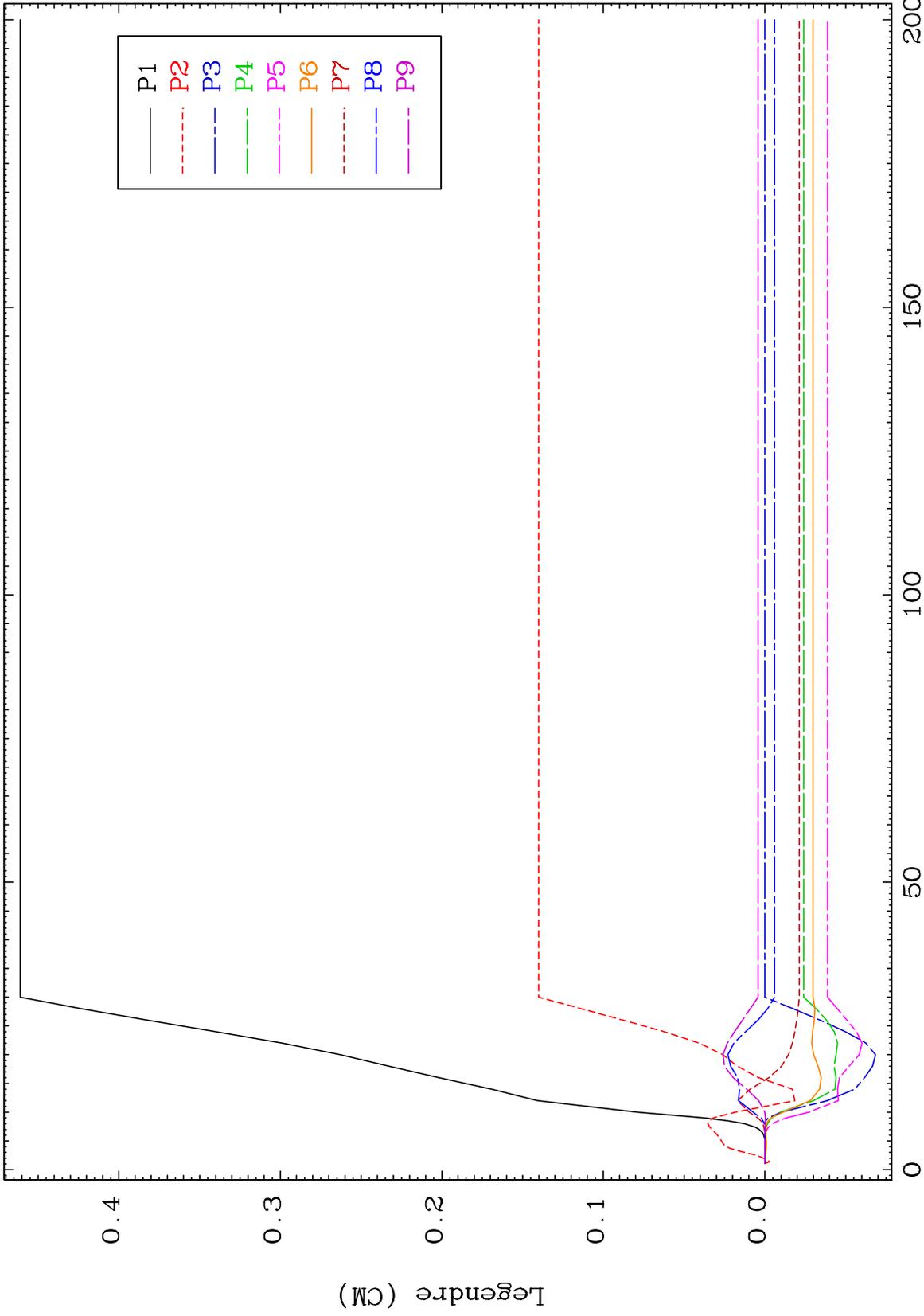
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



27

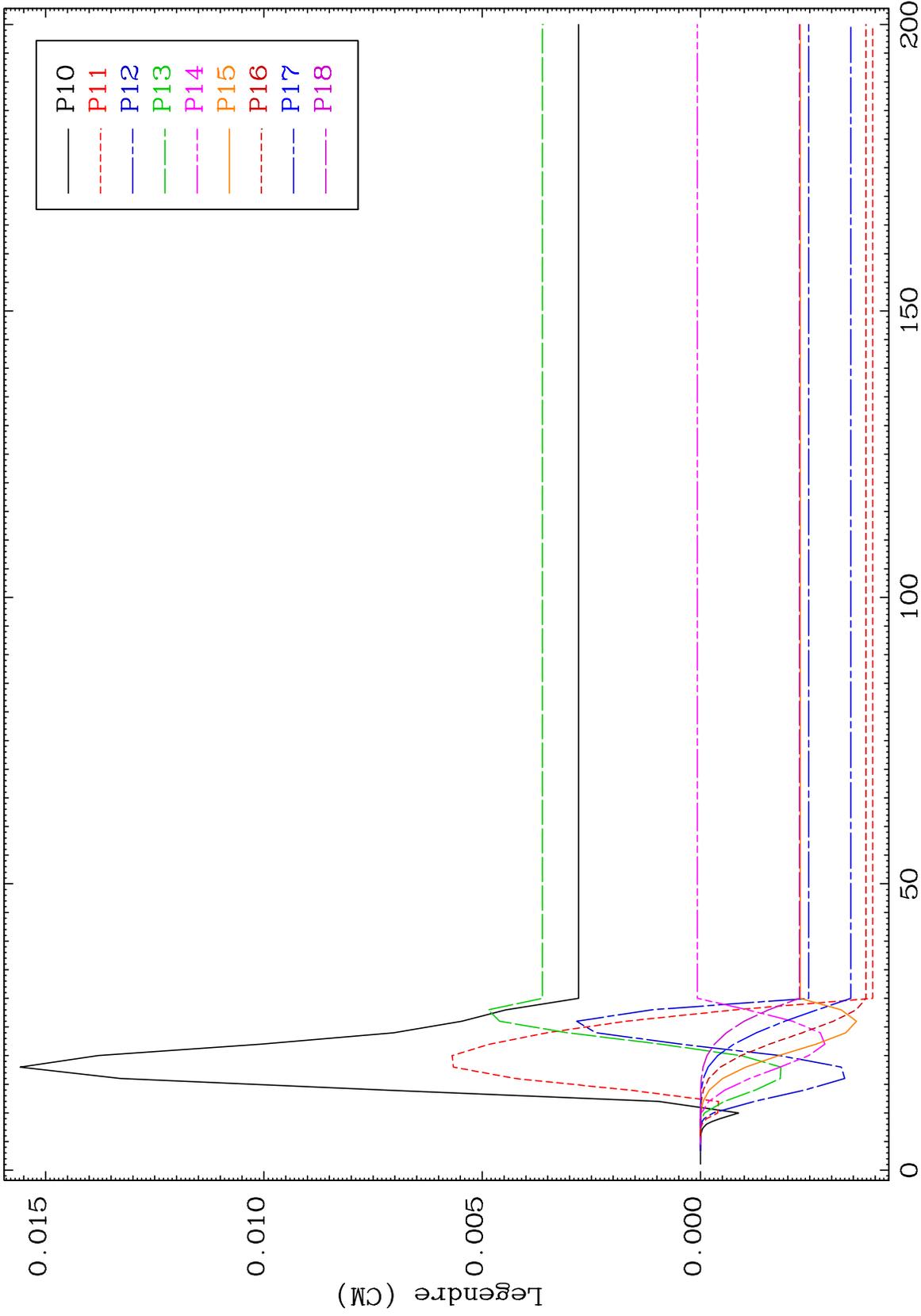
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



28

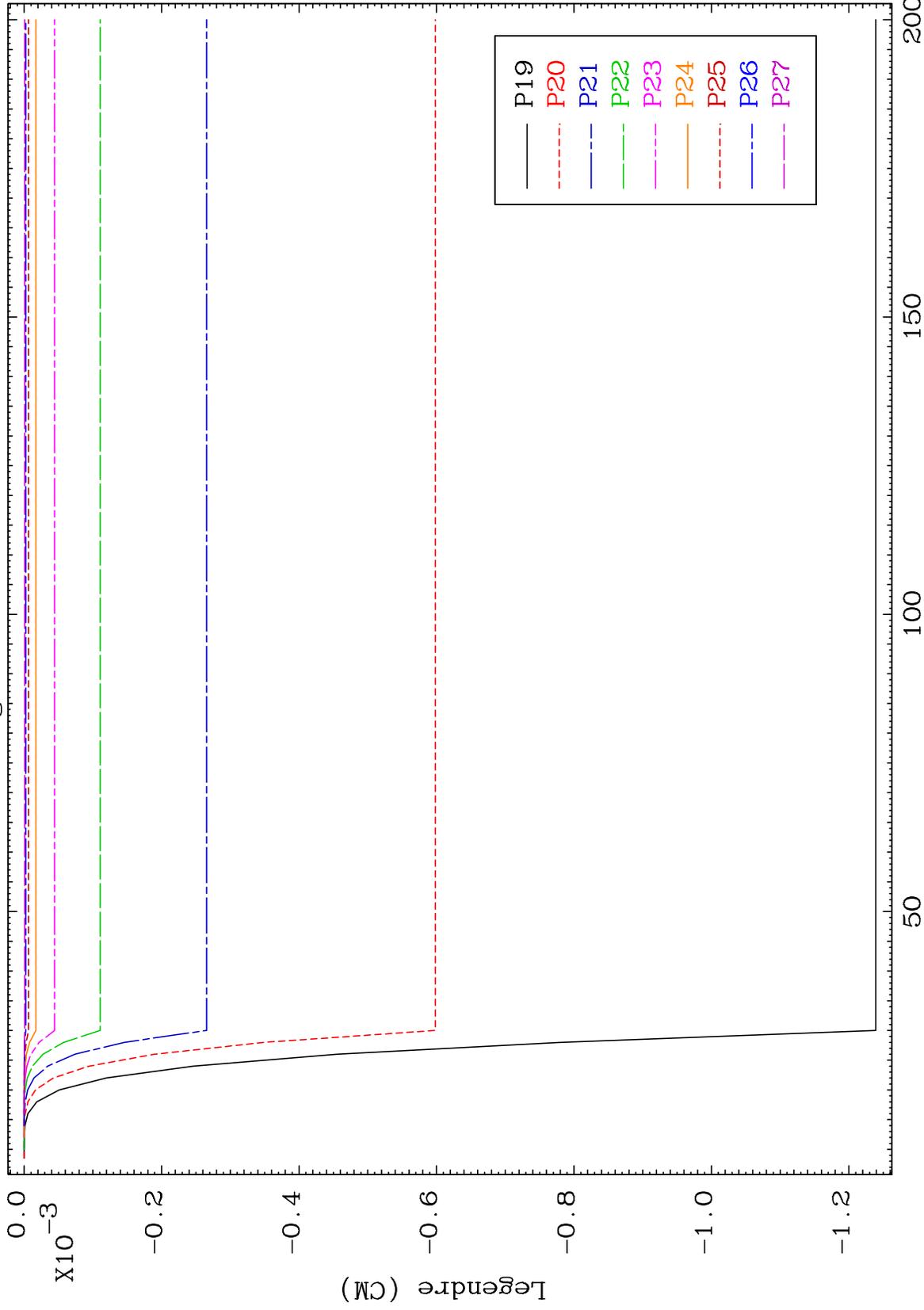
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83

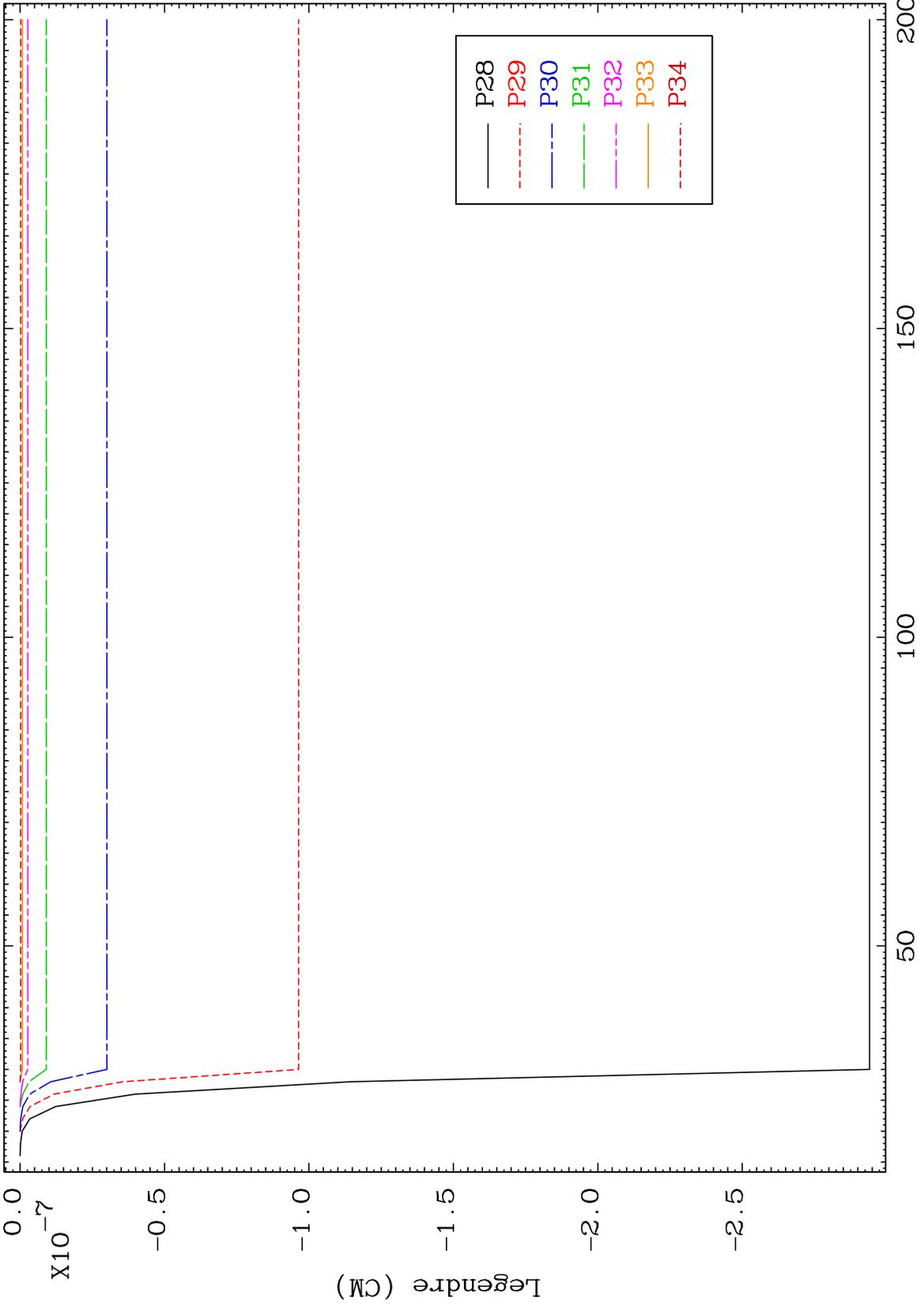


29

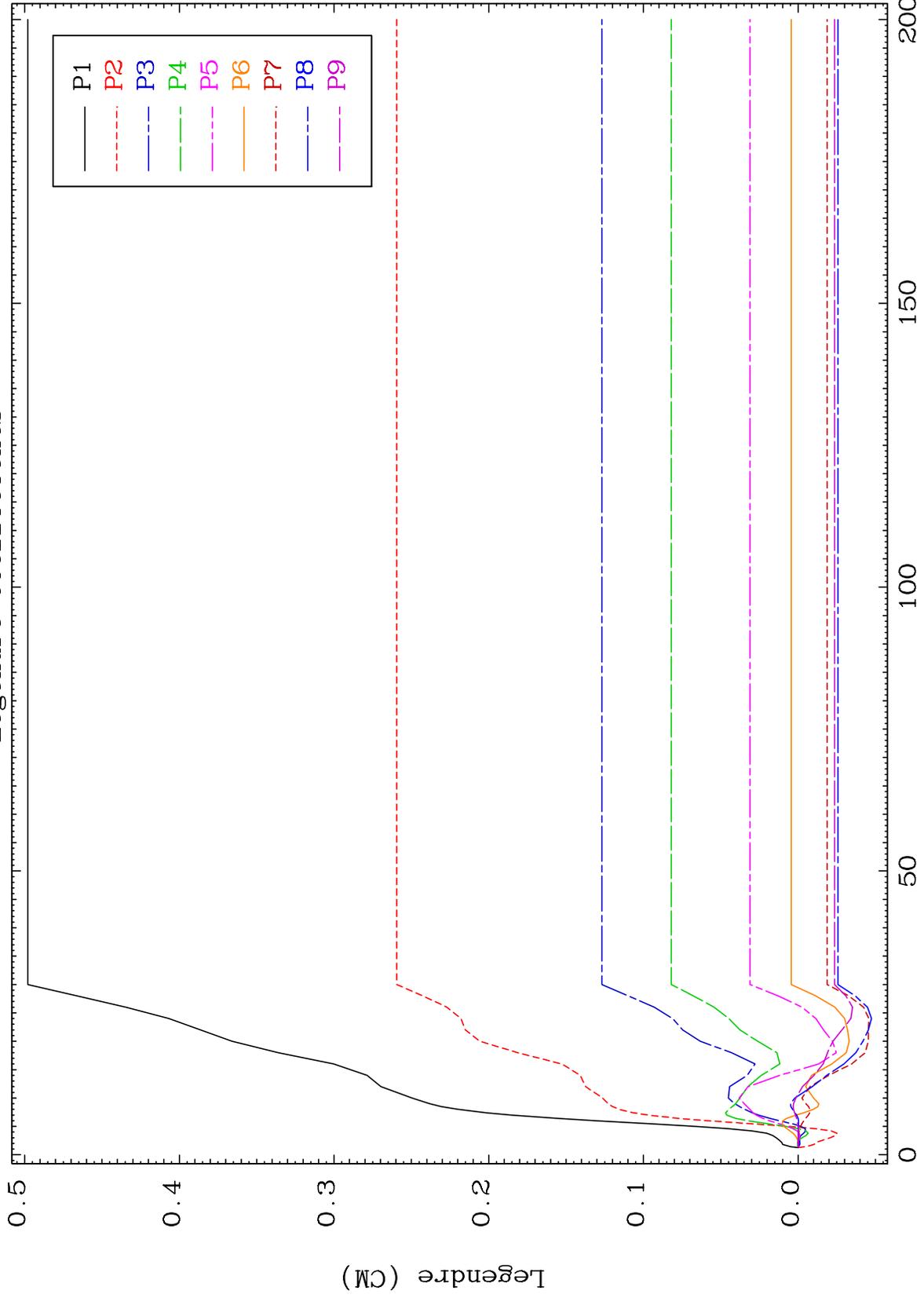
Incident Energy (MeV)

32-Ge-83

MAT 3264 MT= 53 (n,n') Level Legendre Coefficients 32-Ge-83



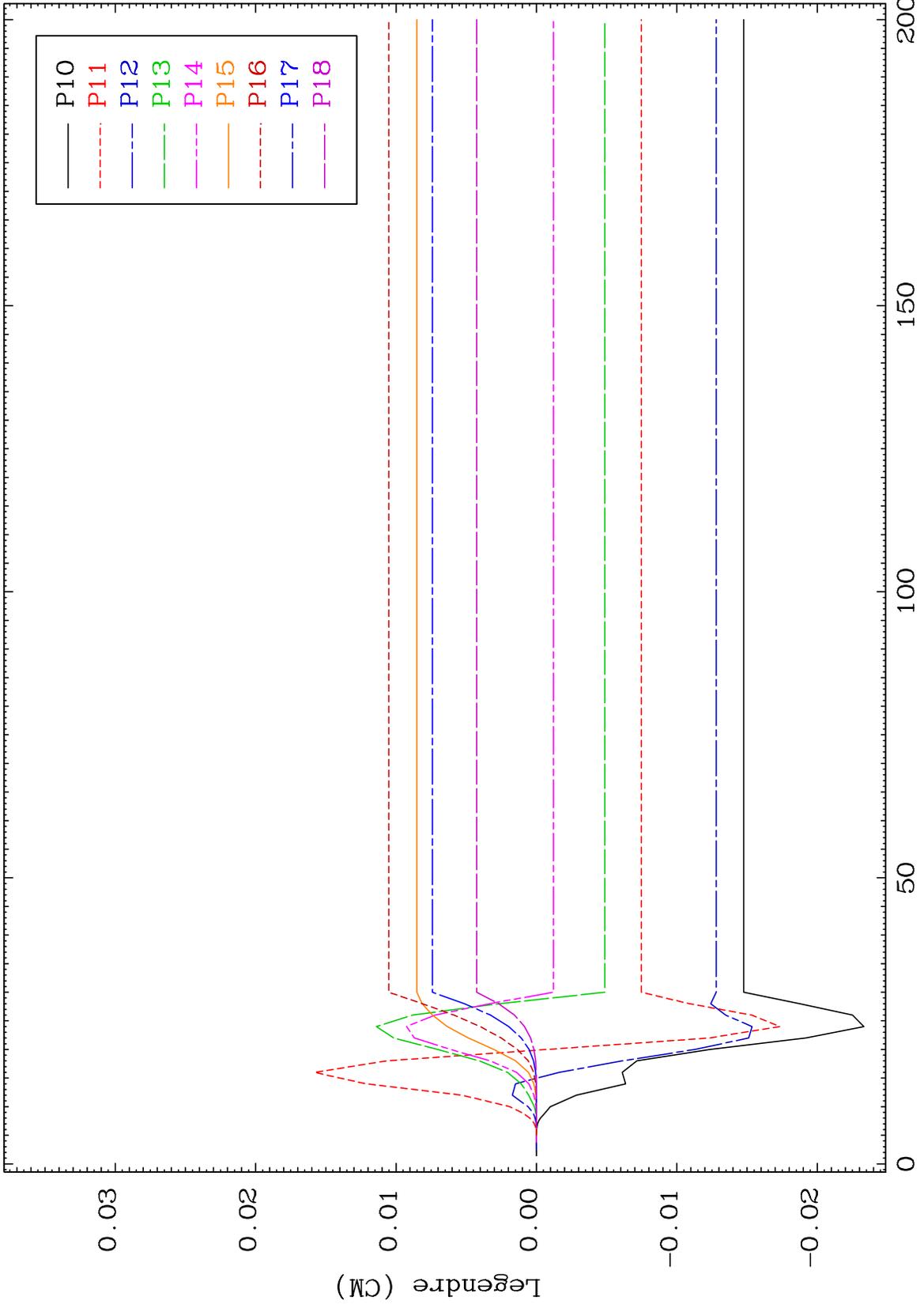
30 50 100 150 200 32-Ge-83



MAT 3264

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

32-Ge-83



32

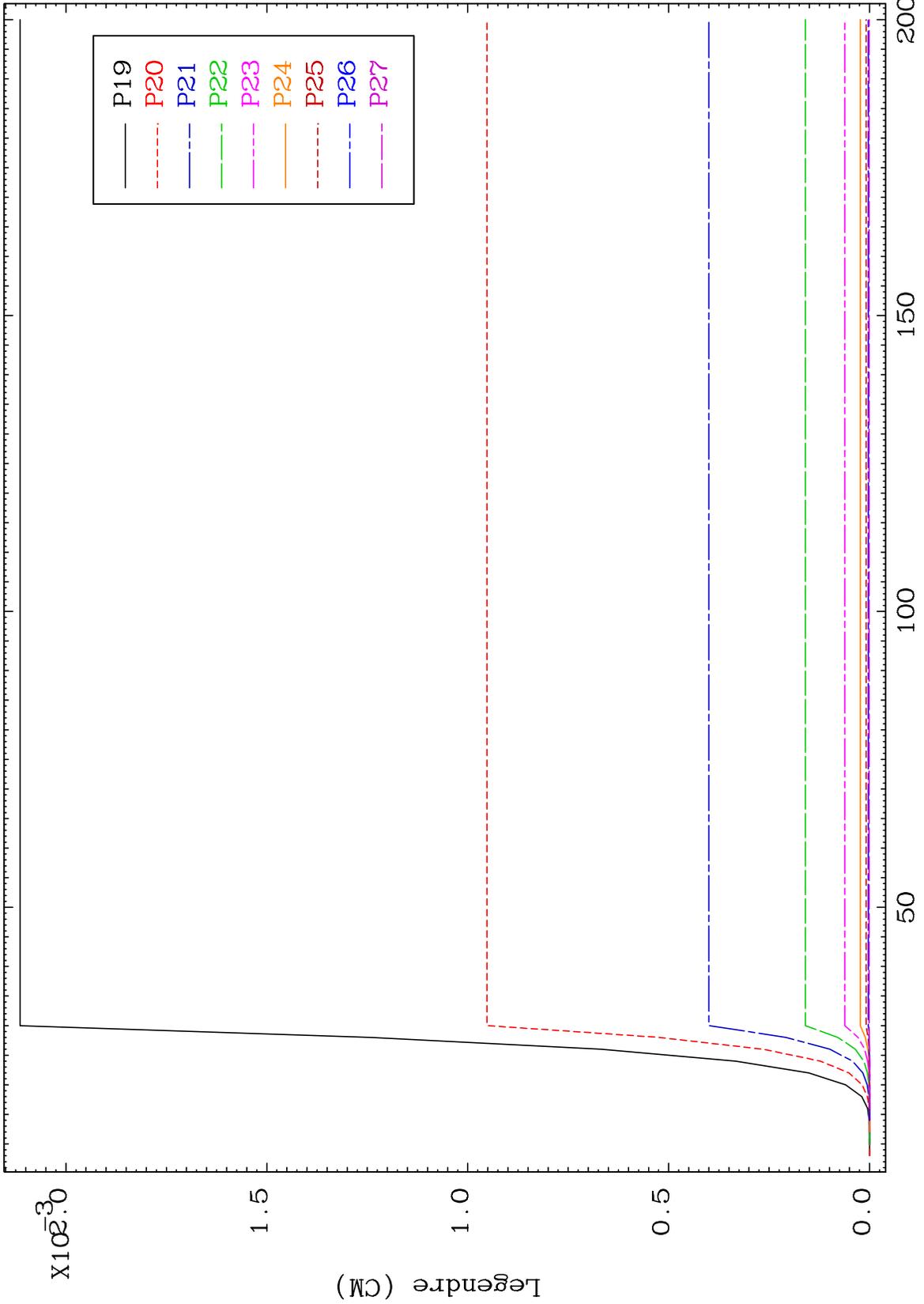
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



33

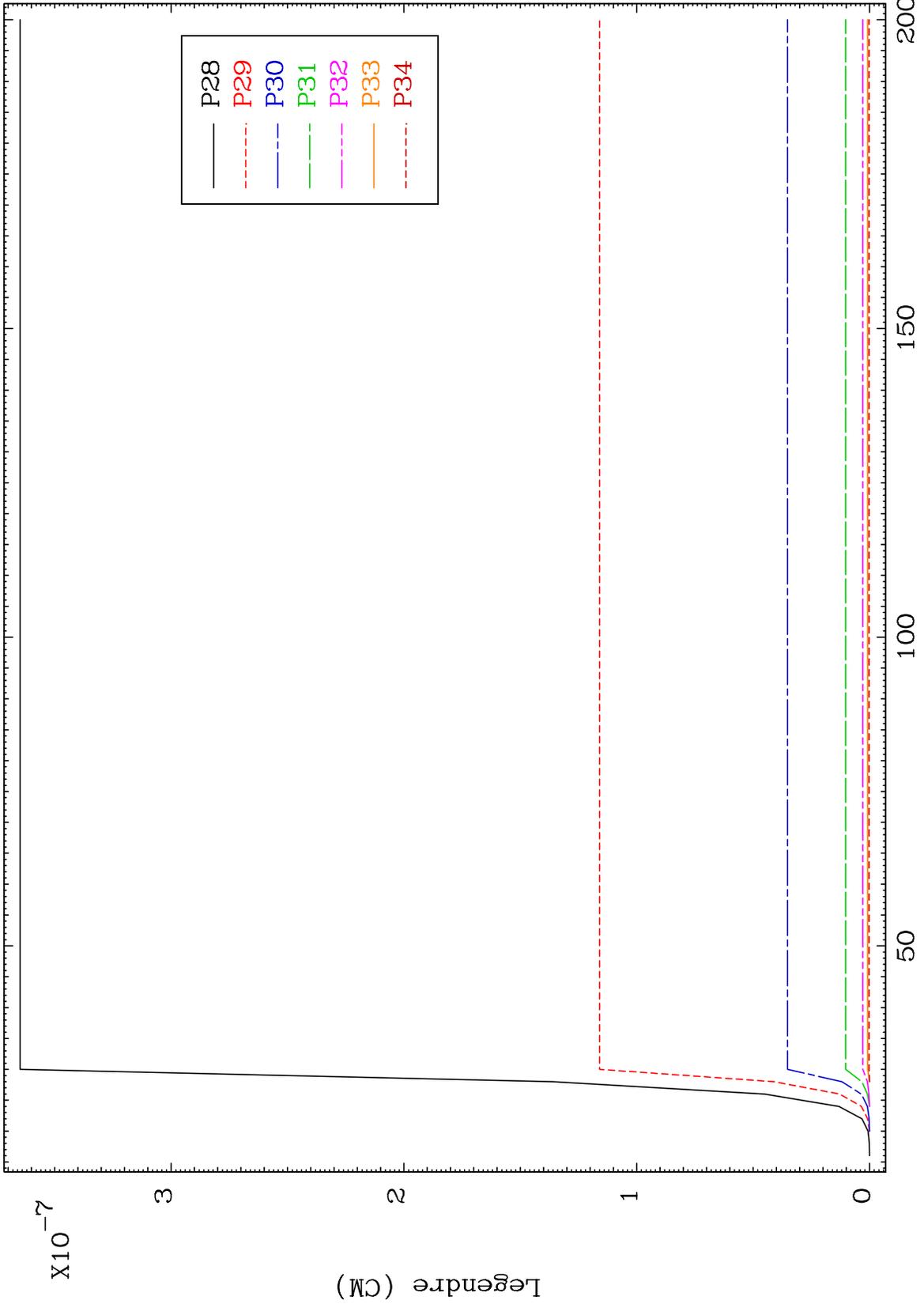
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



34

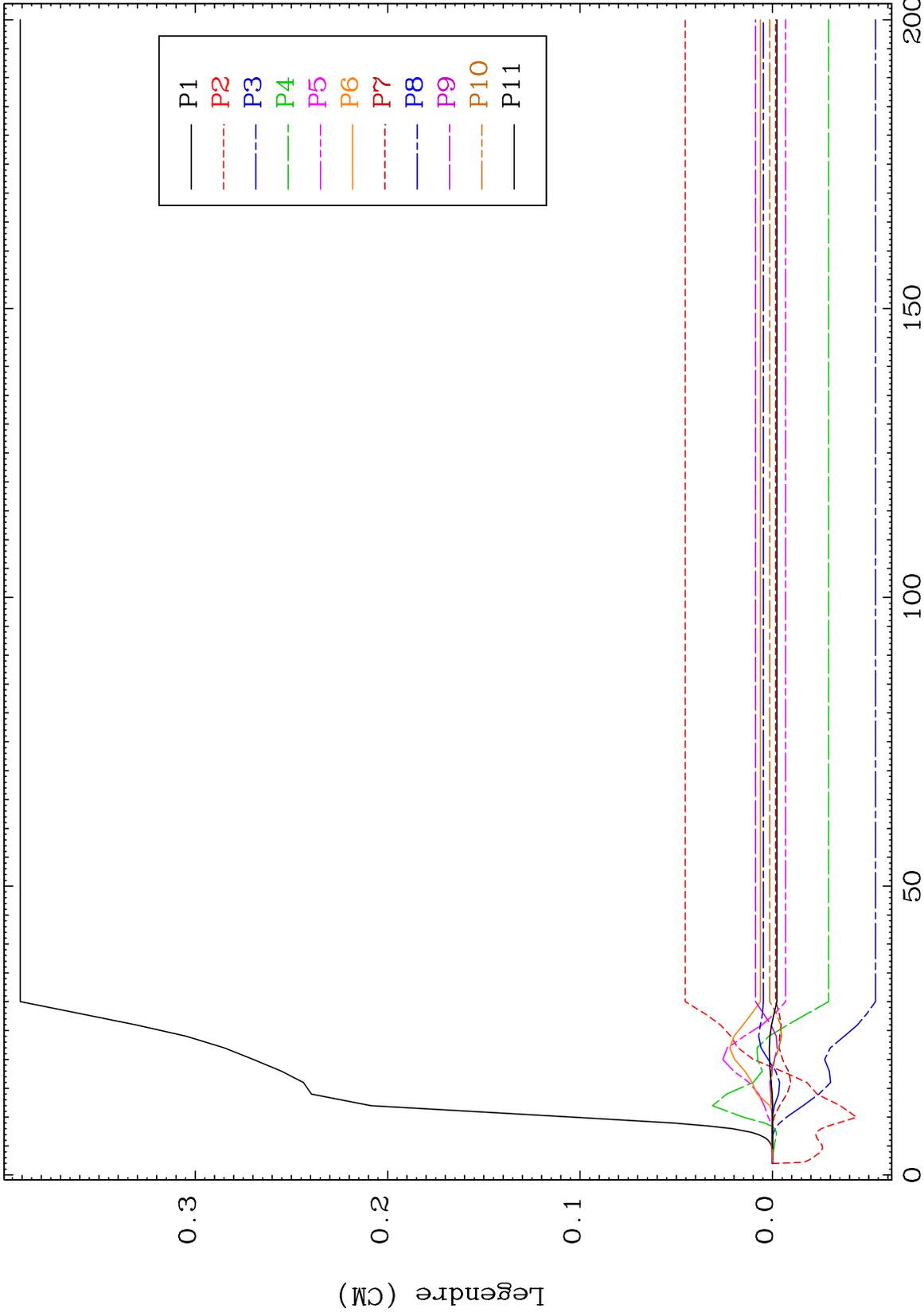
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

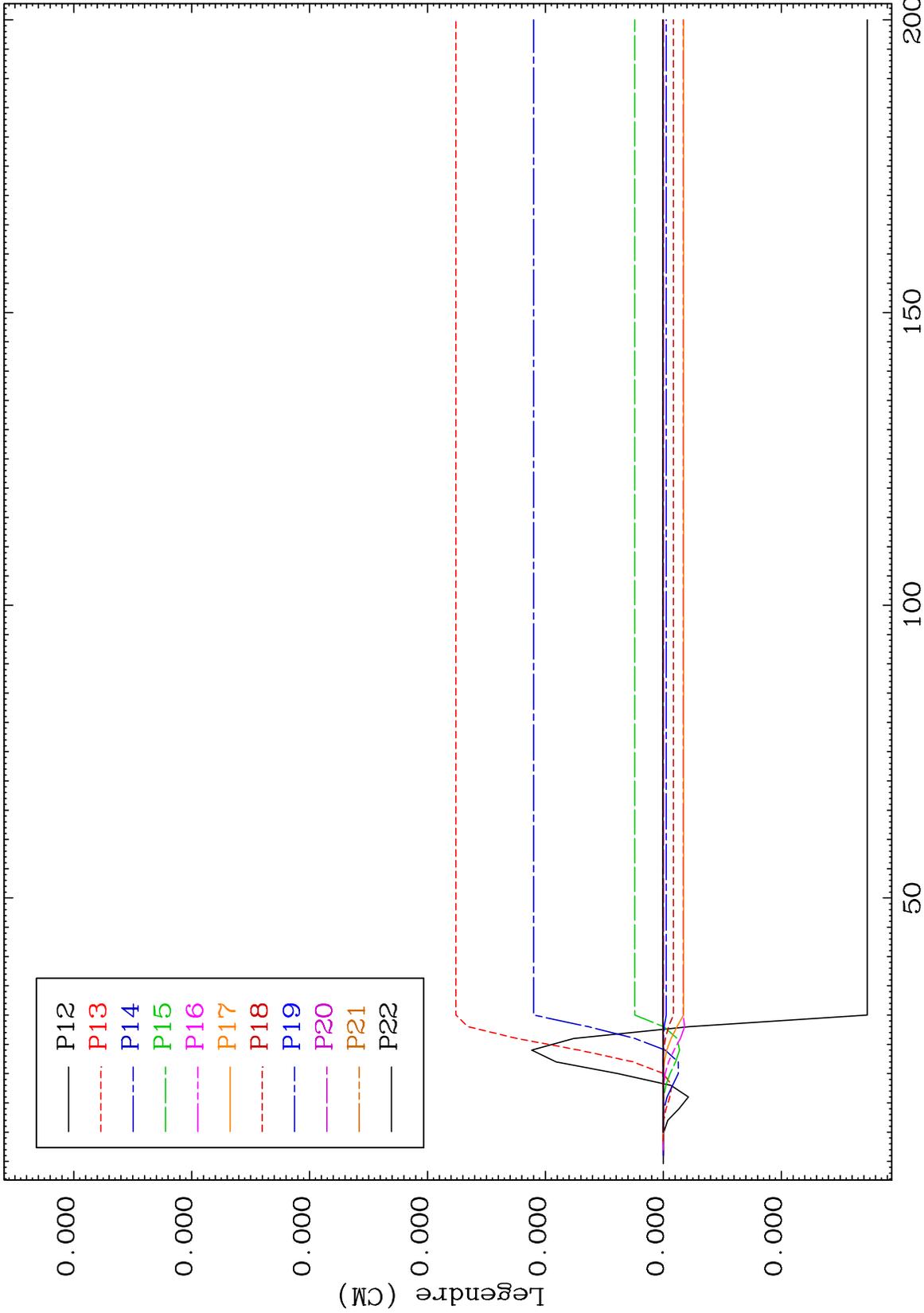
32-Ge-83



35

Incident Energy (MeV)

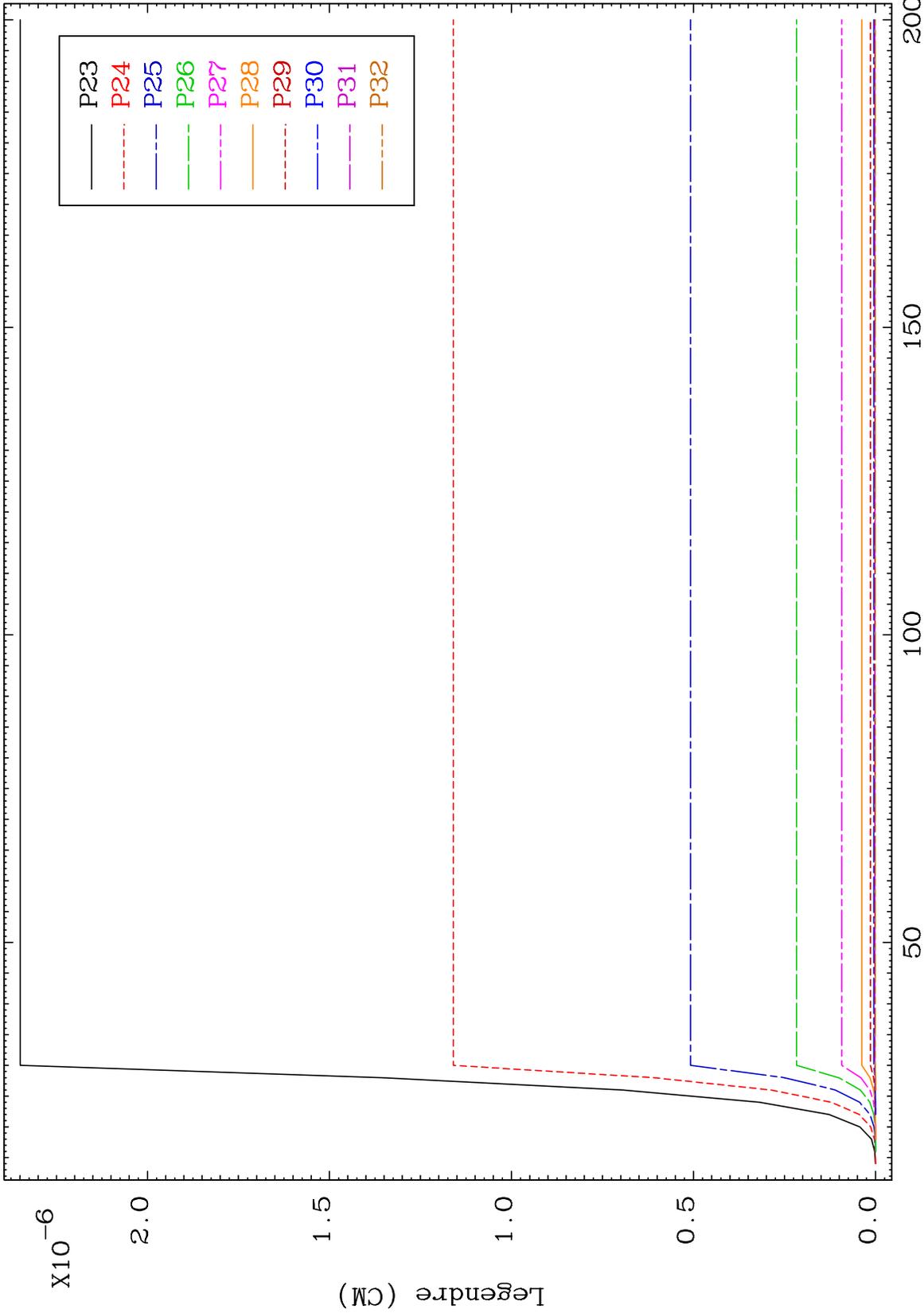
32-Ge-83



MAT 3264

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

32-Ge-83

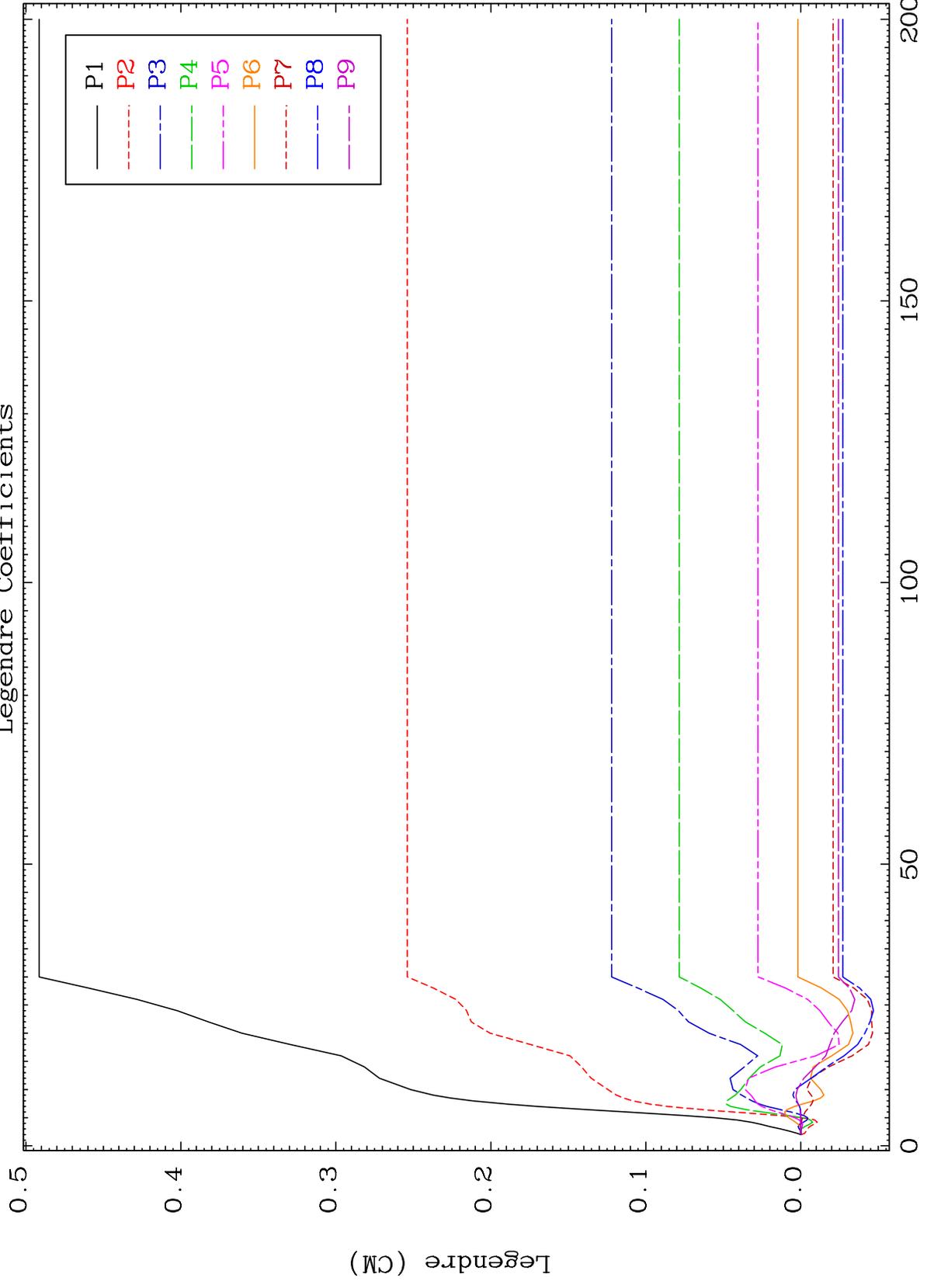


37

Incident Energy (MeV)

32-Ge-83

MAT 3264 MT= 56 (n,n') Level Legendre Coefficients 32-Ge-83

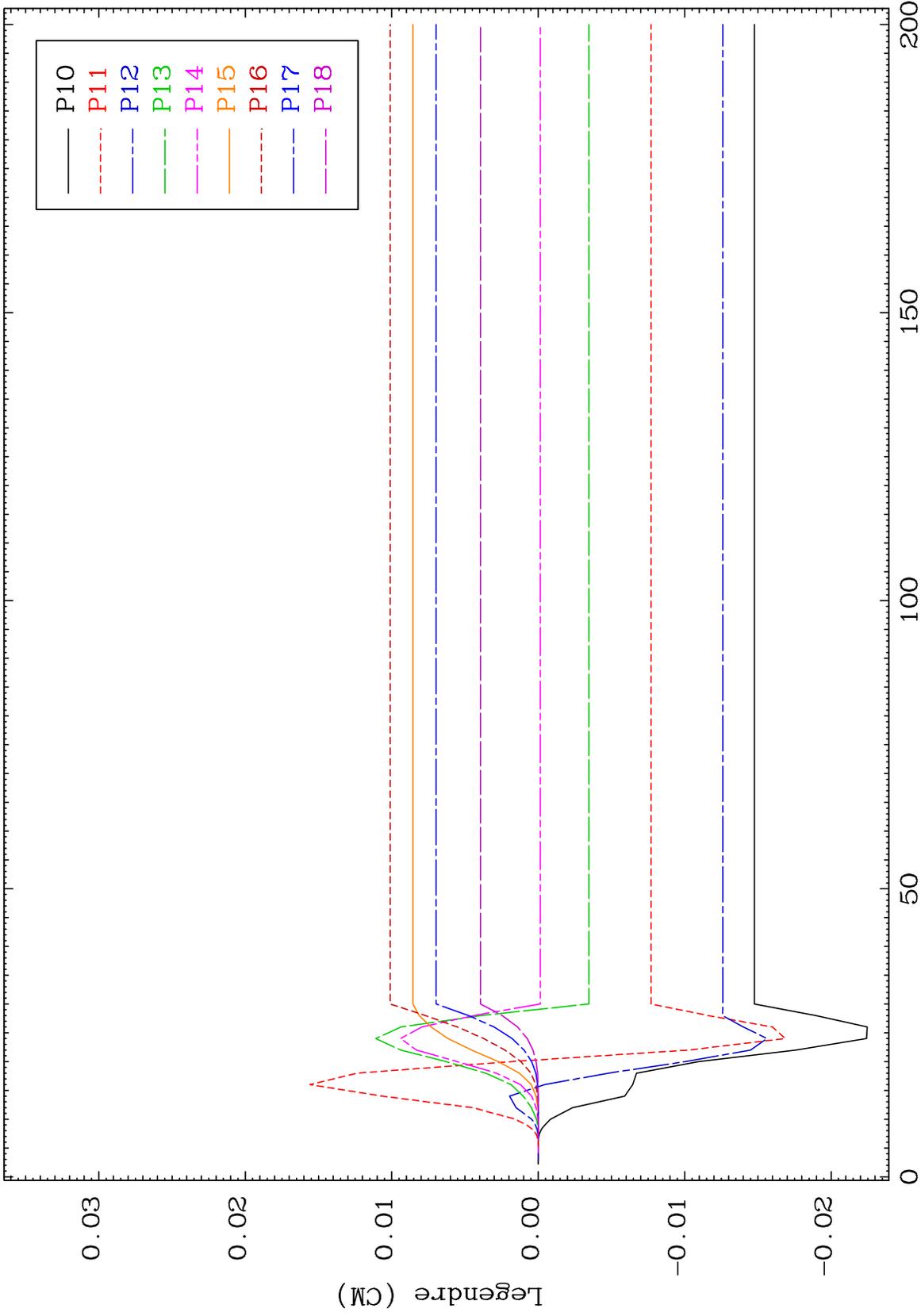


38 32-Ge-83

MAT 3264

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

32-Ge-83



39

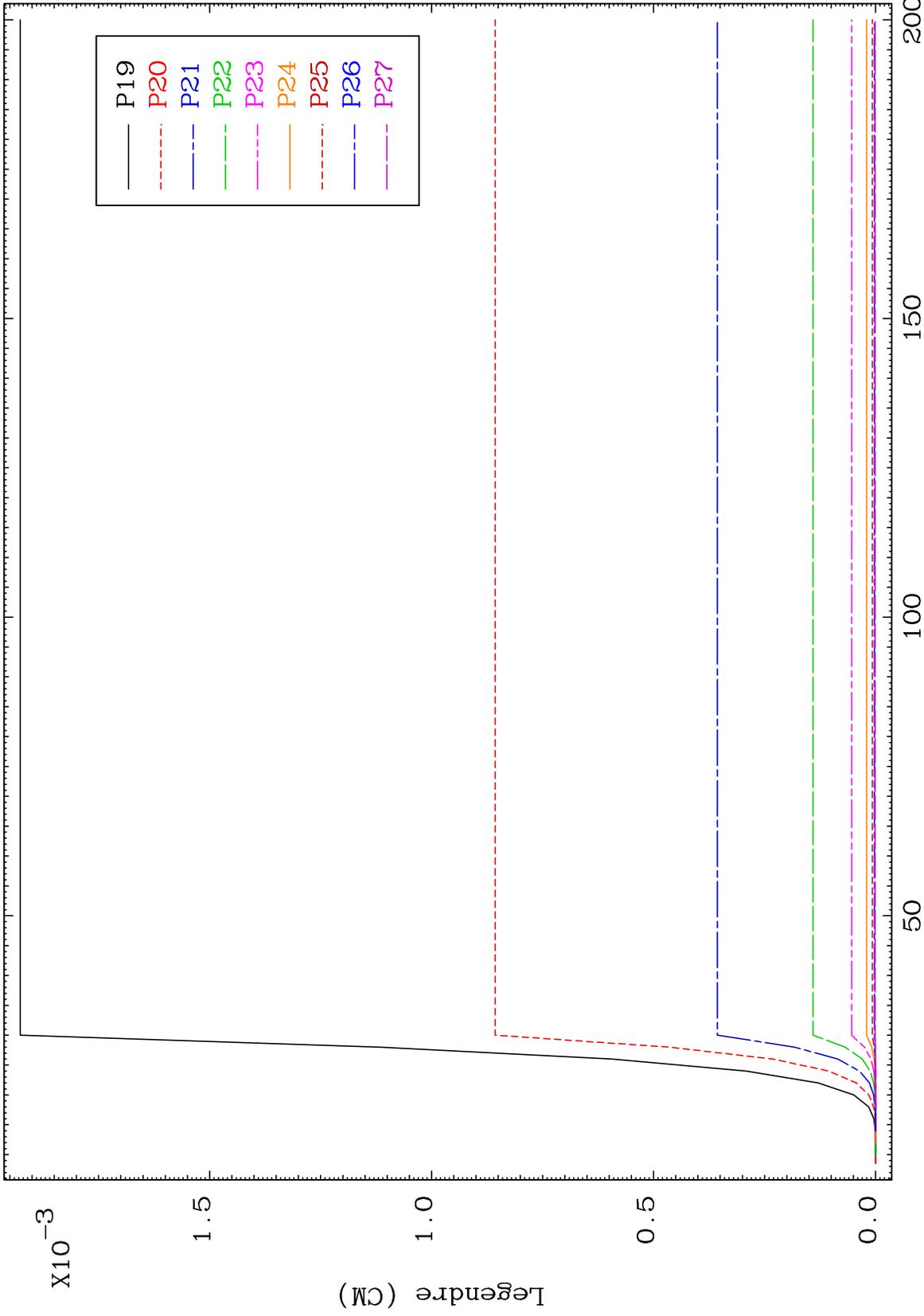
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



40

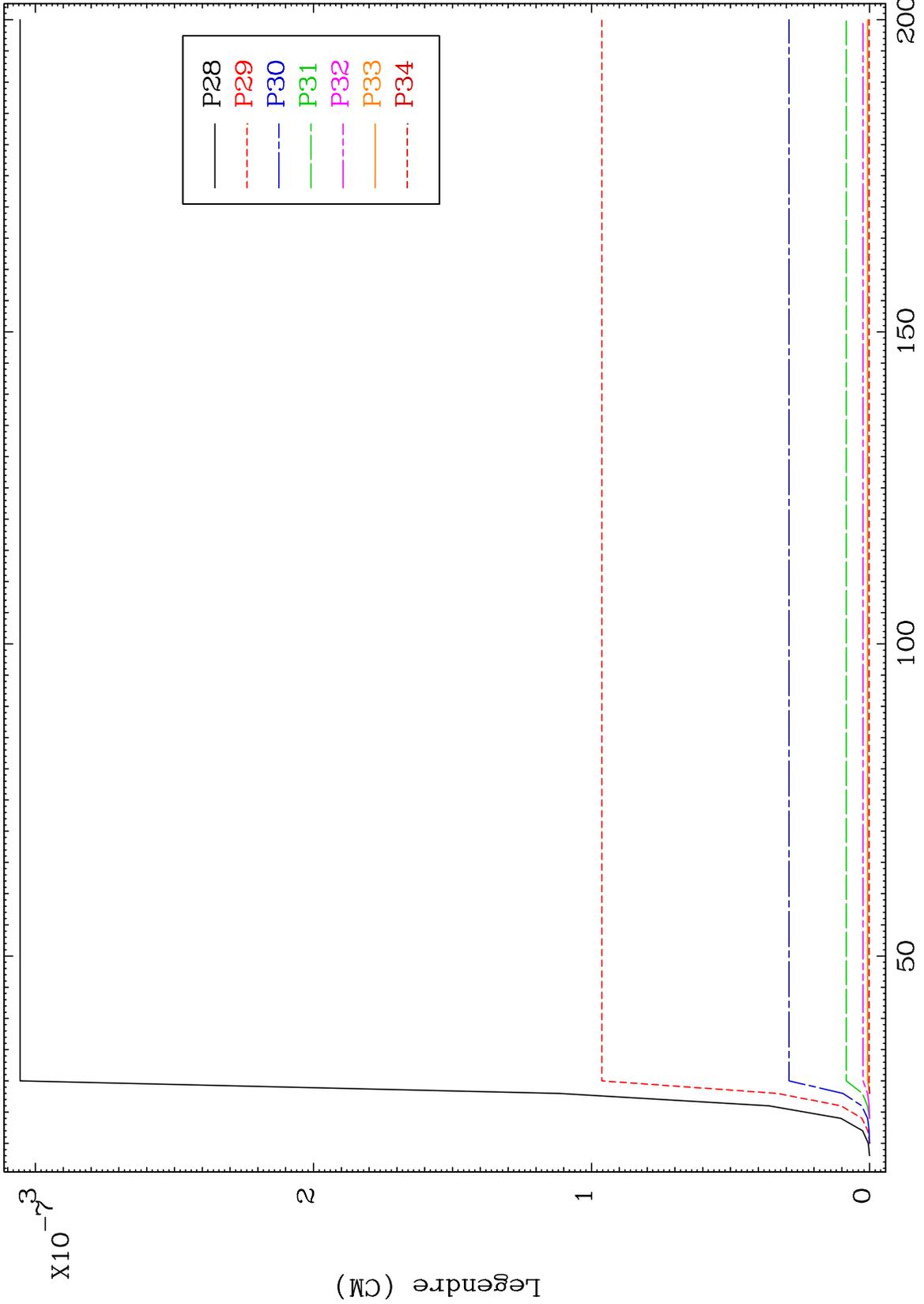
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



41

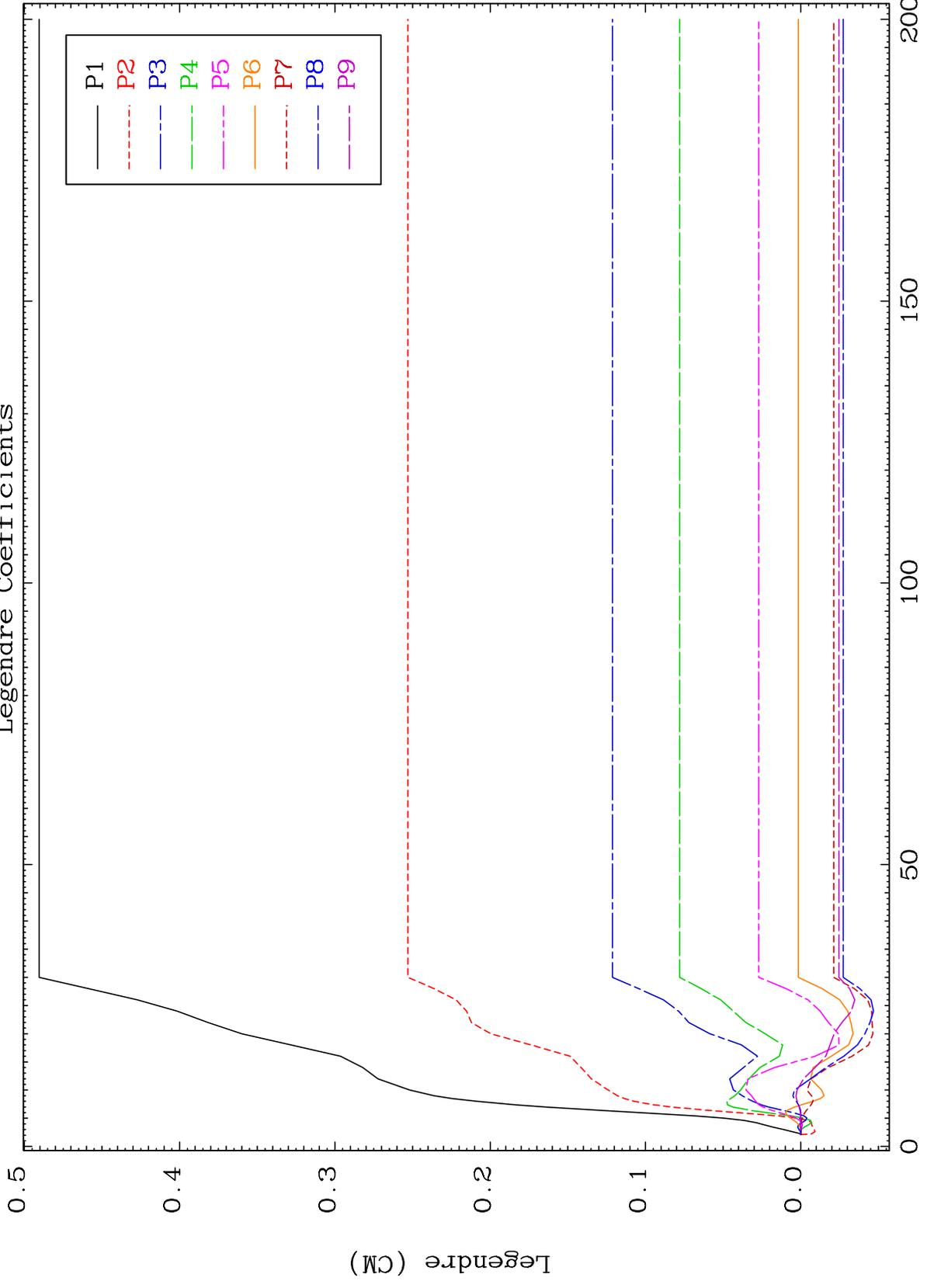
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



42

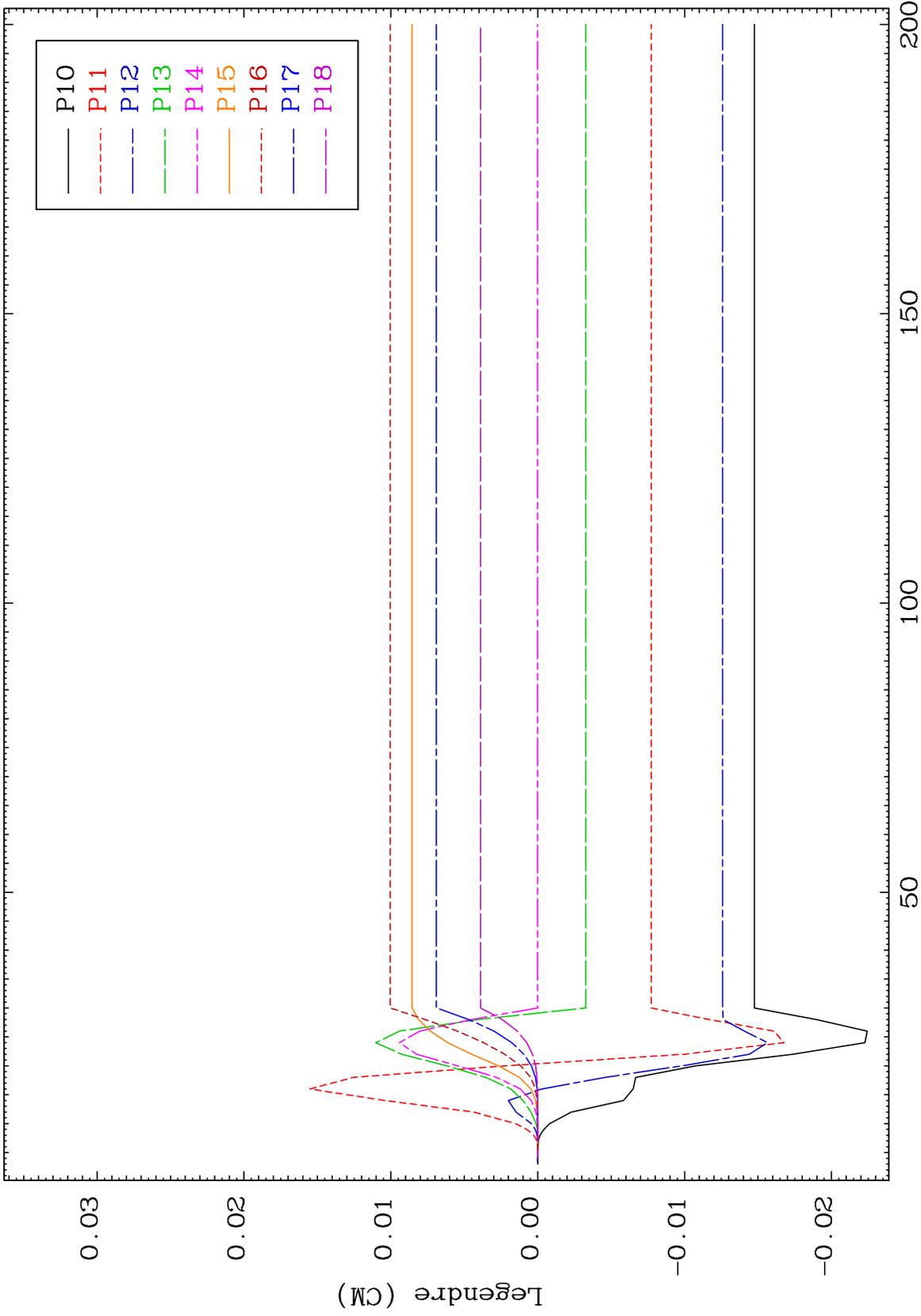
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



43

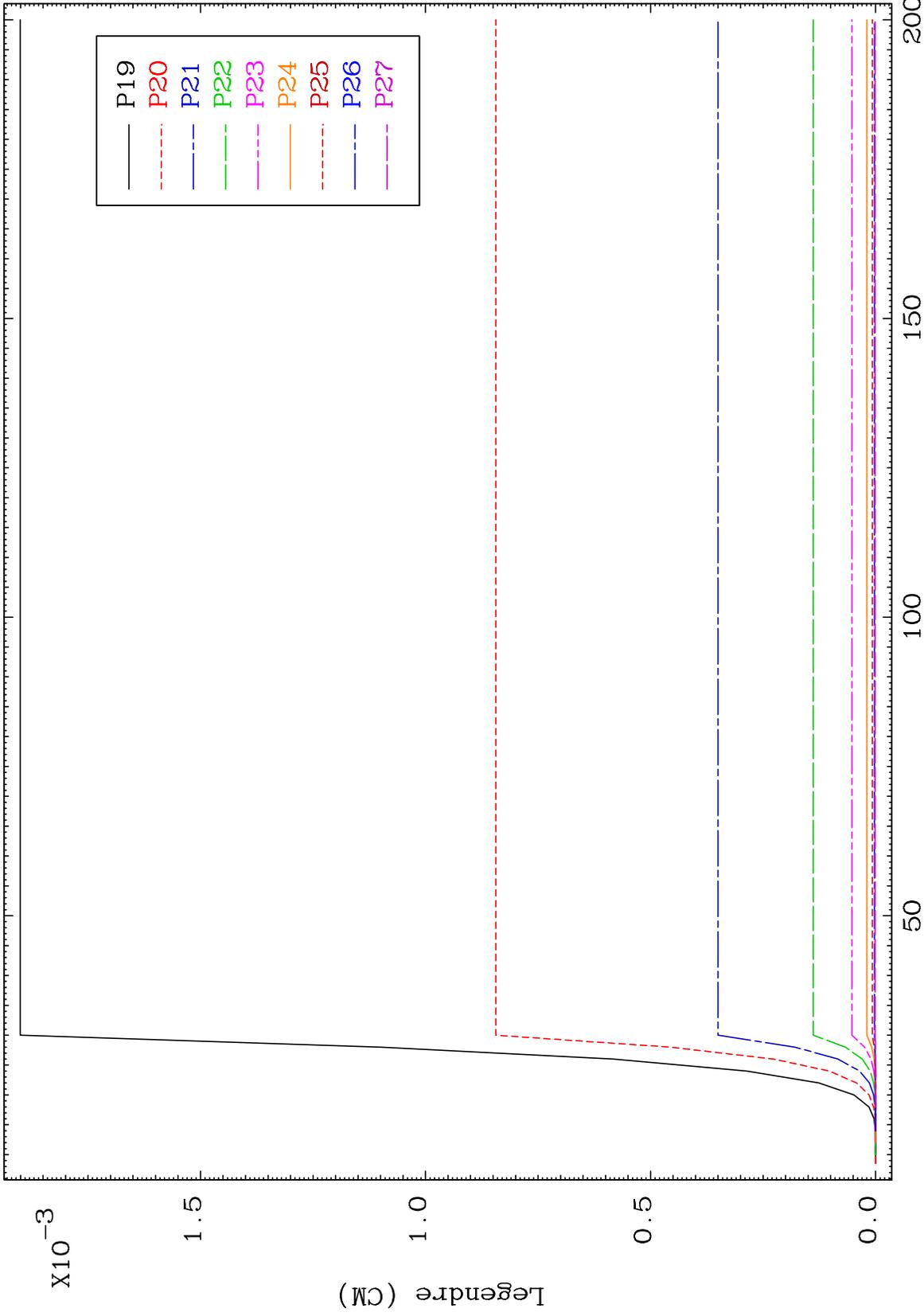
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



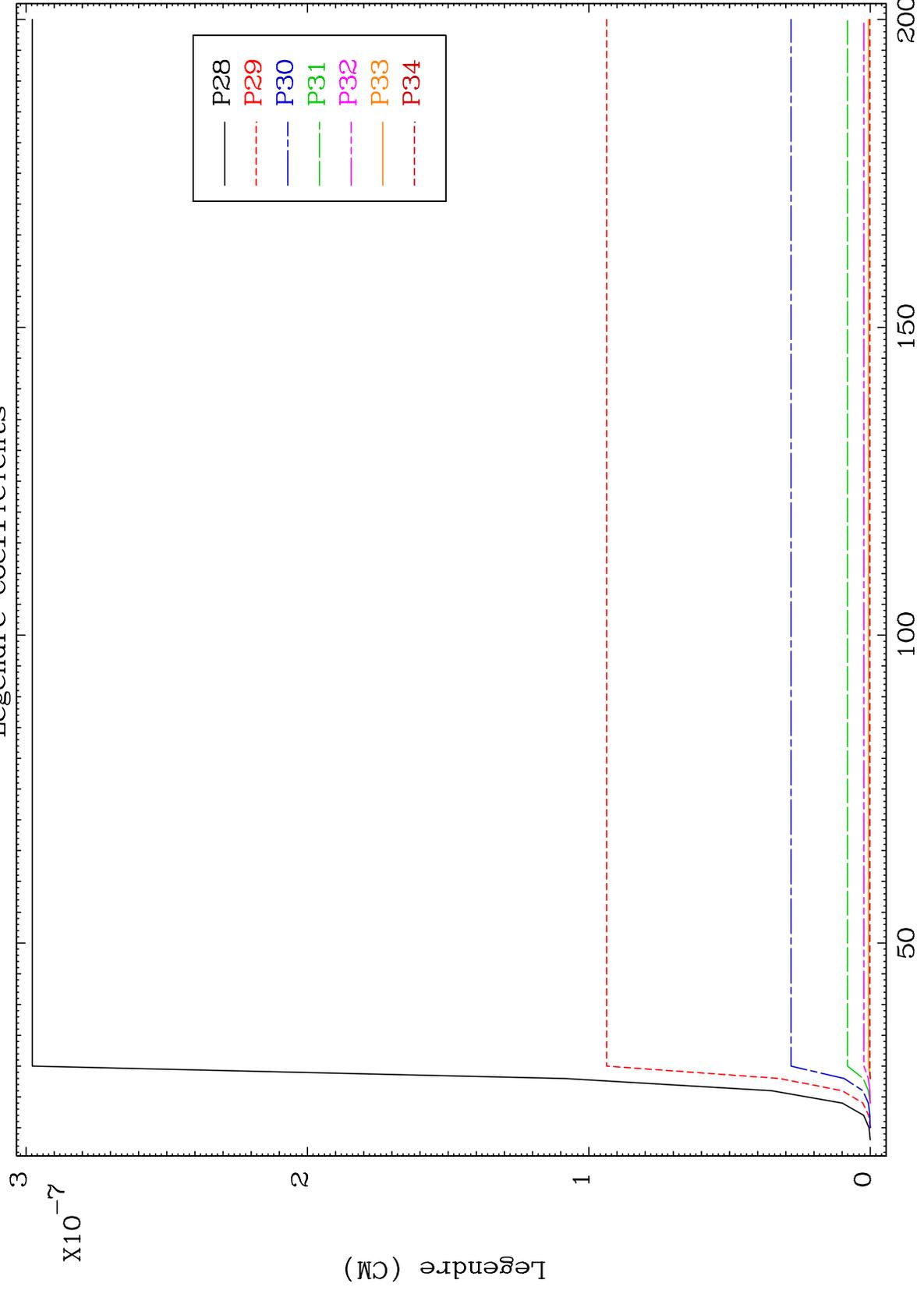
44

32-Ge-83

MAT 3264

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

32-Ge-83



45

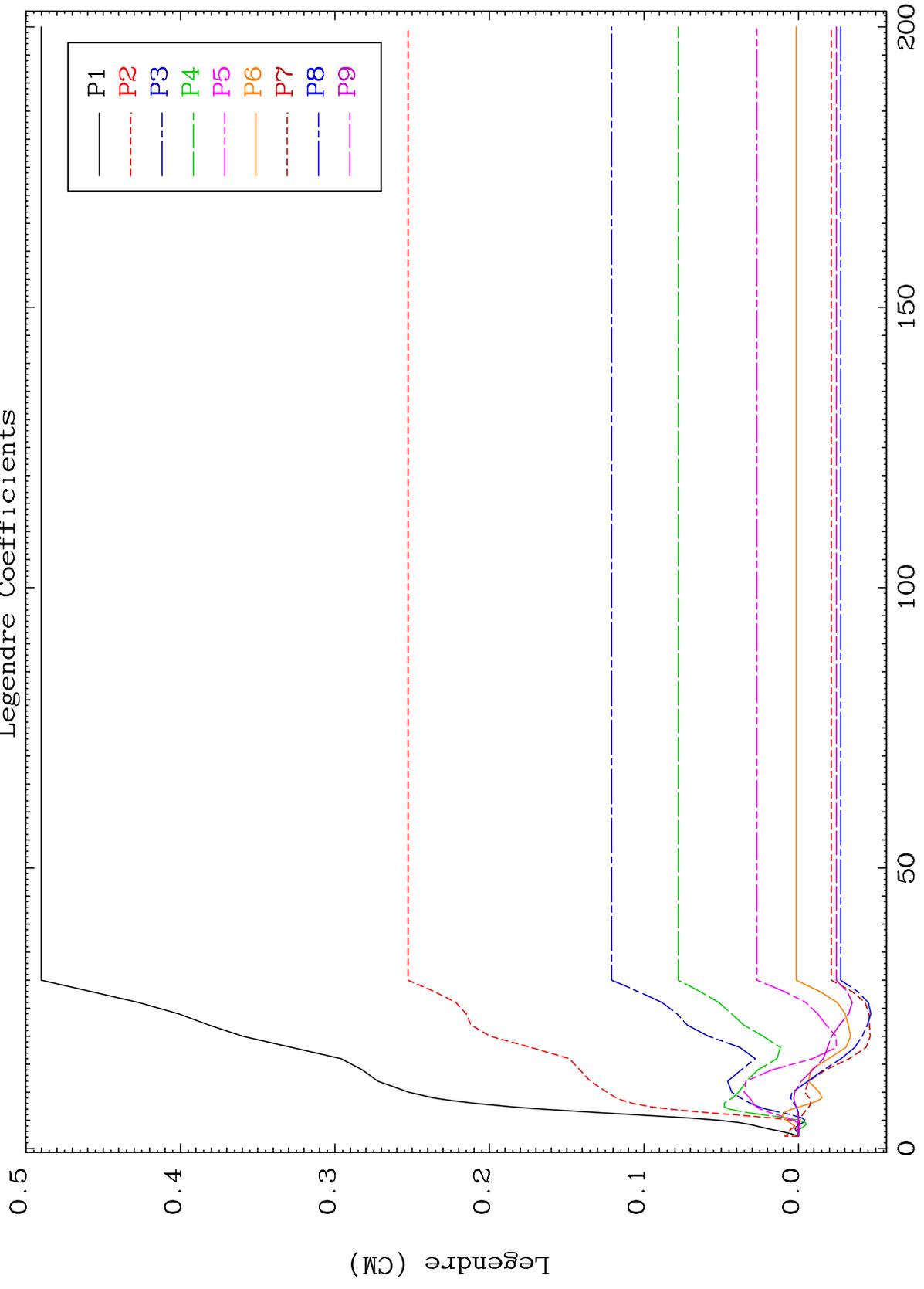
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



46

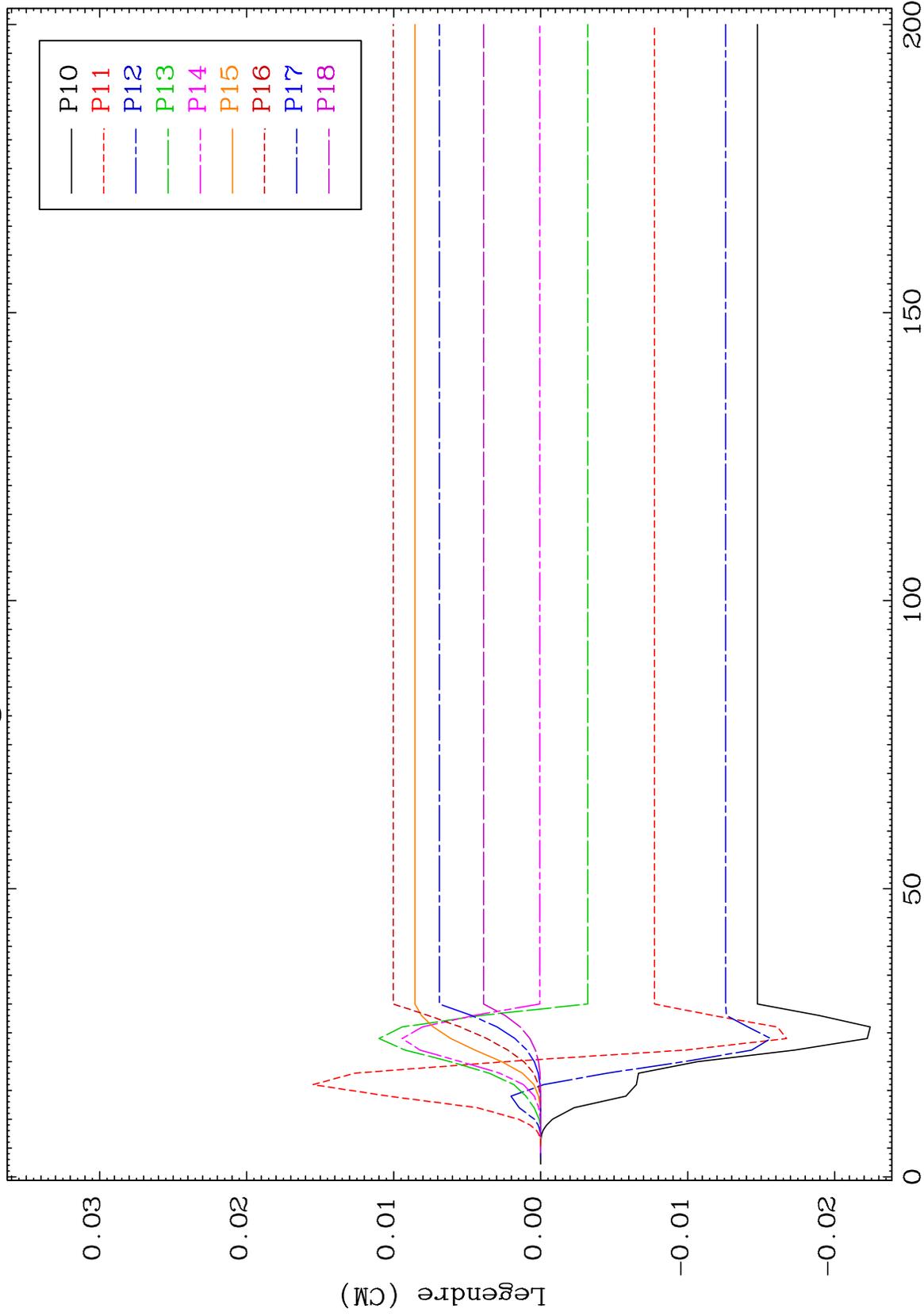
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



47

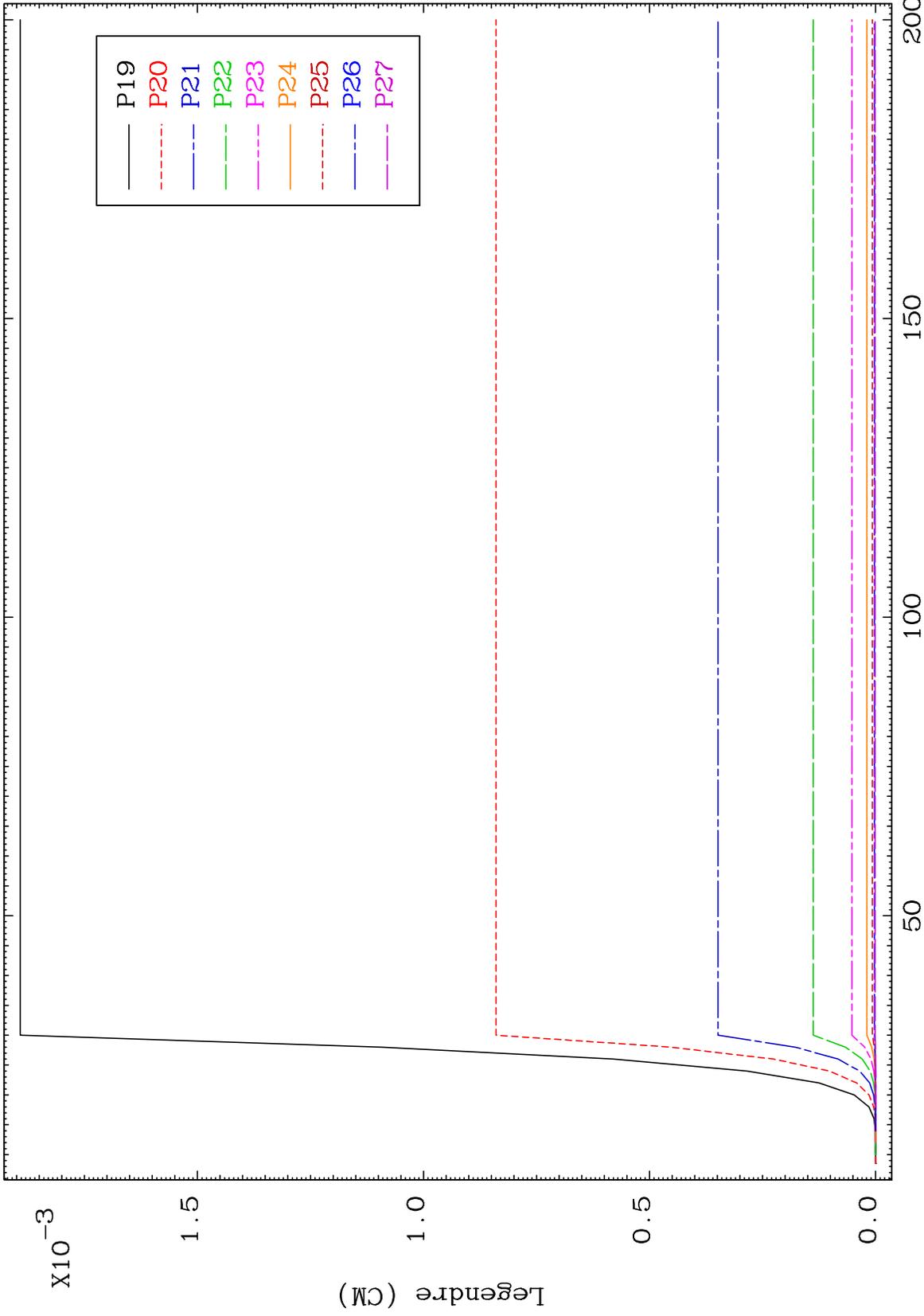
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



48

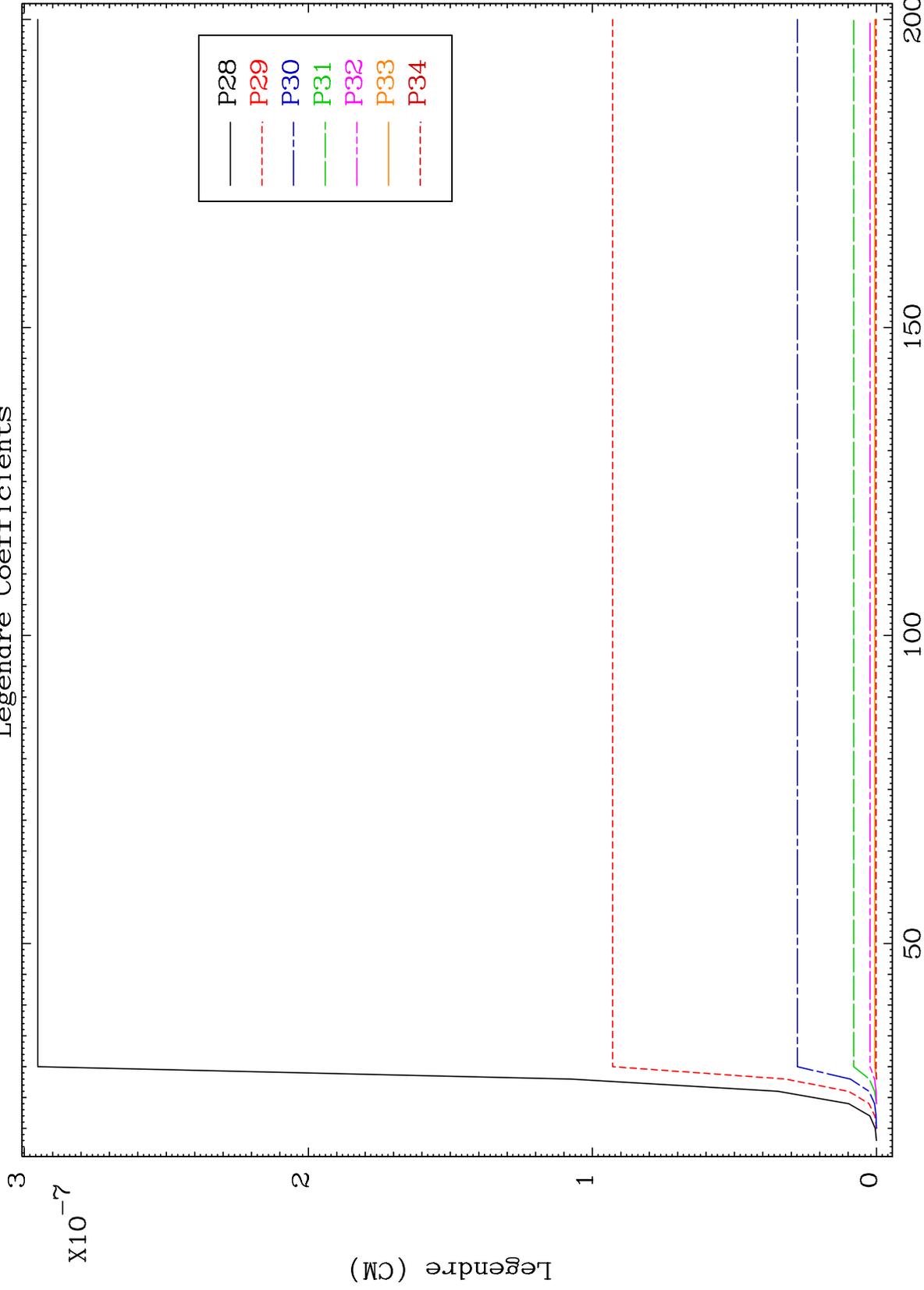
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



49

Incident Energy (MeV)

50

100

150

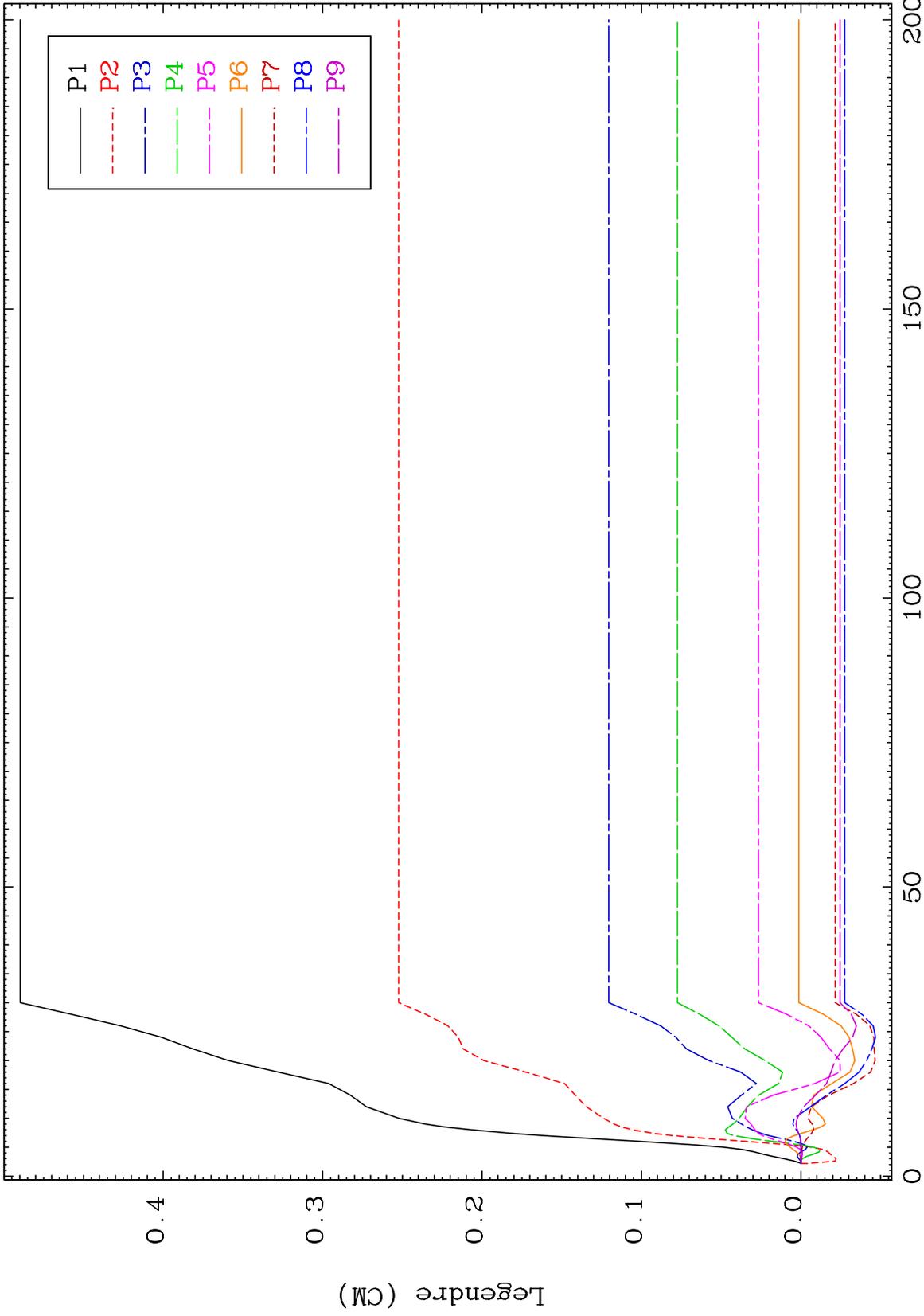
200

32-Ge-83

MAT 3264

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

32-Ge-83



32-Ge-83

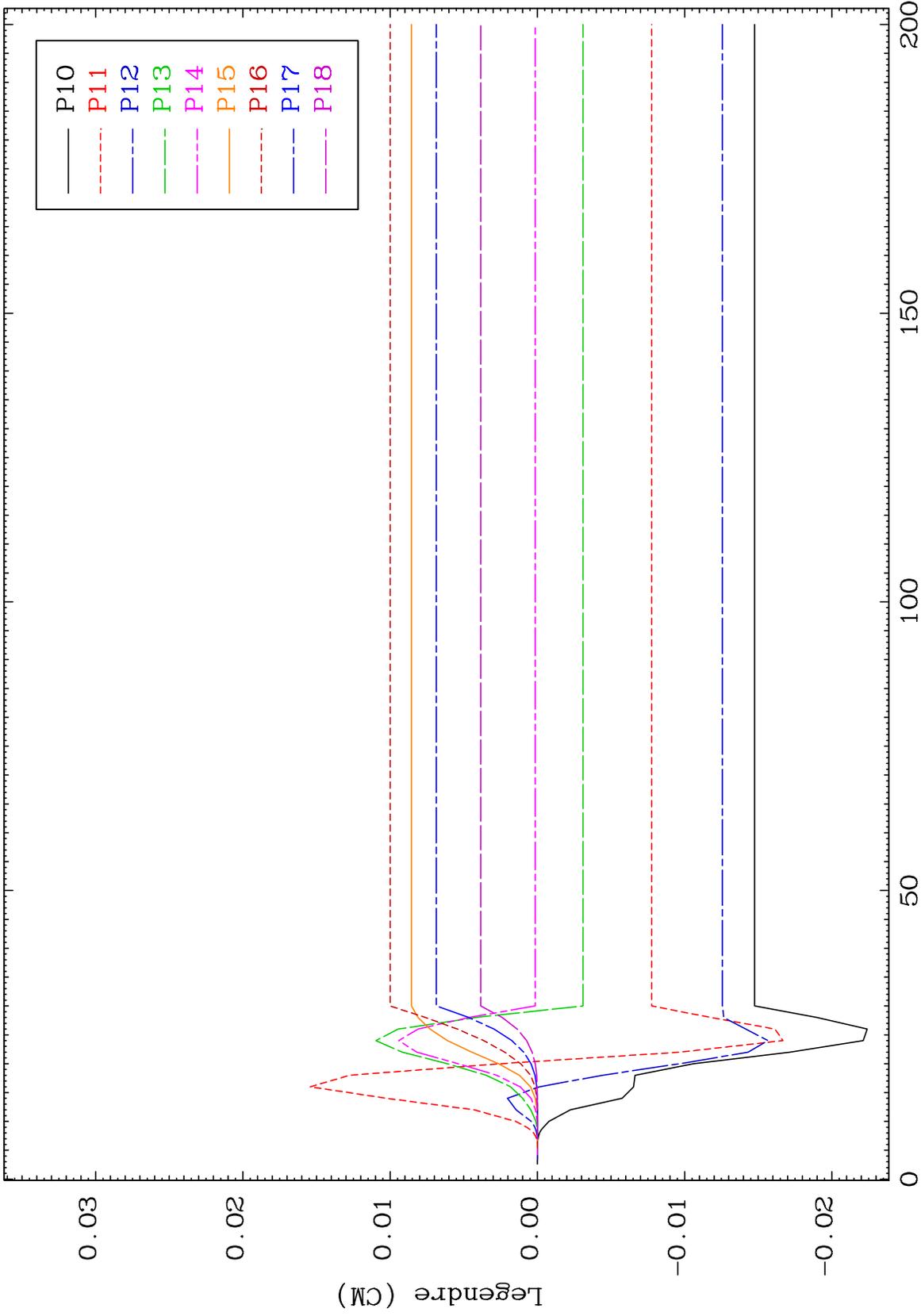
Incident Energy (MeV)

Legendre (CM)

MAT 3264

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

32-Ge-83



51

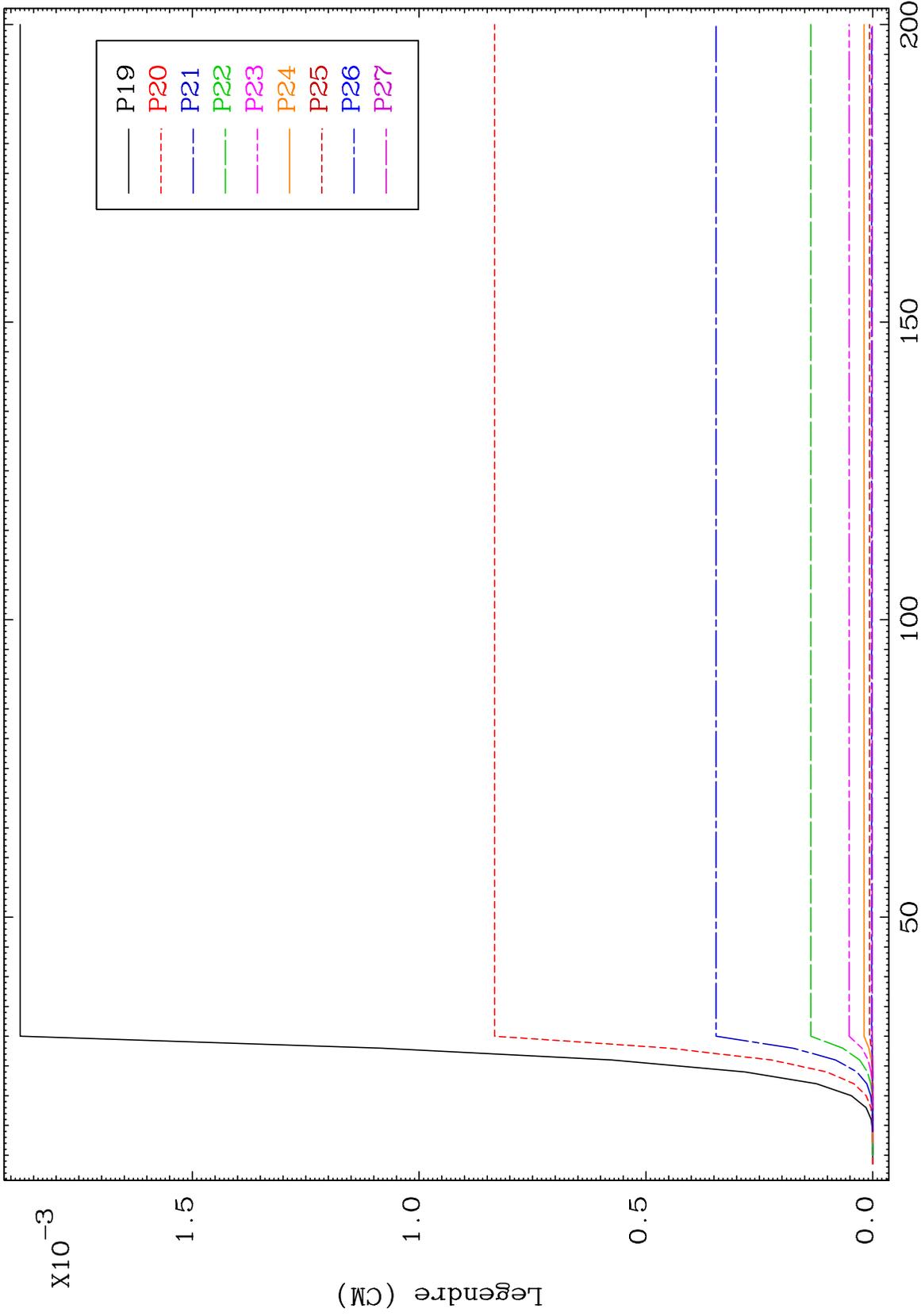
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



52

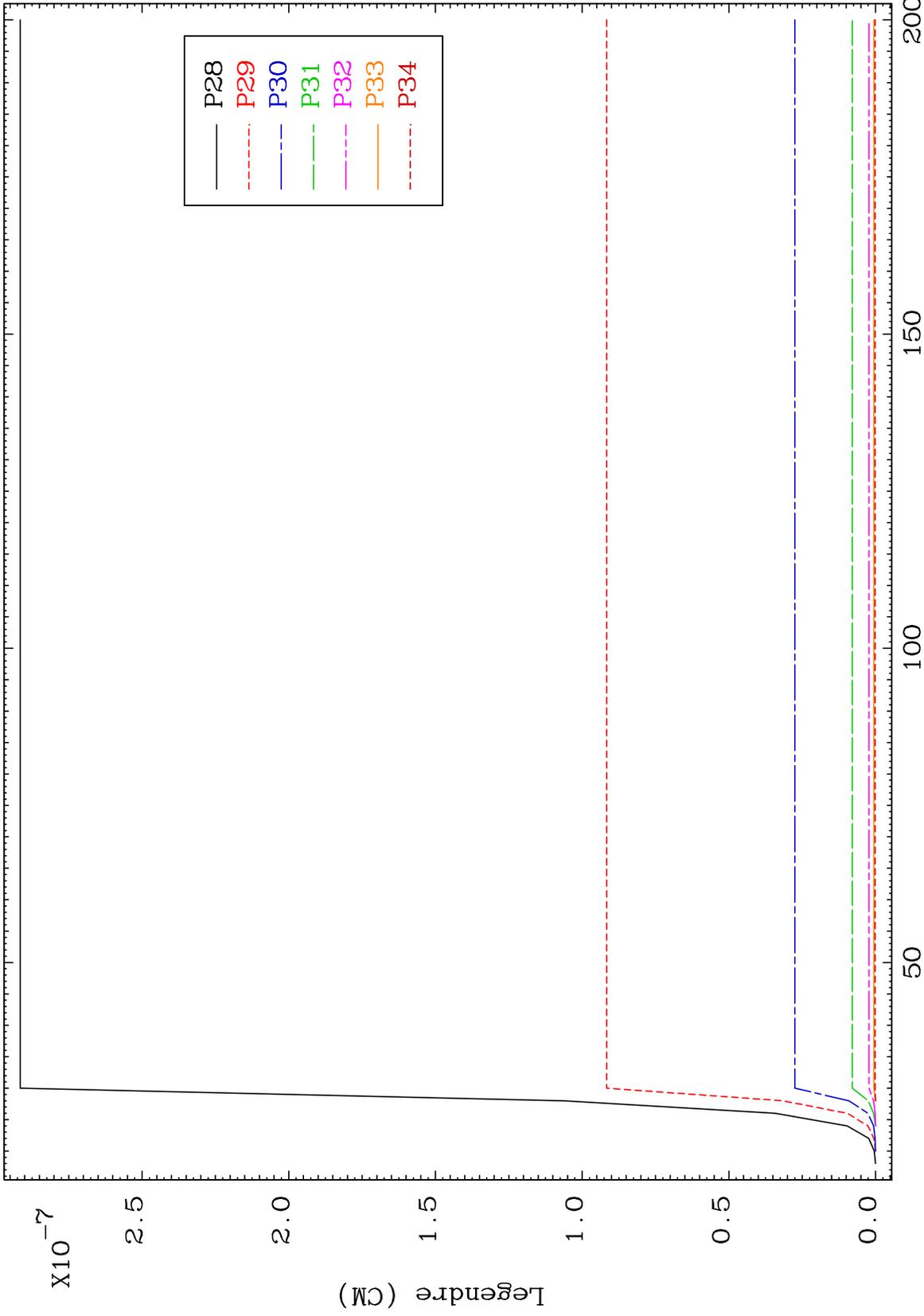
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



53

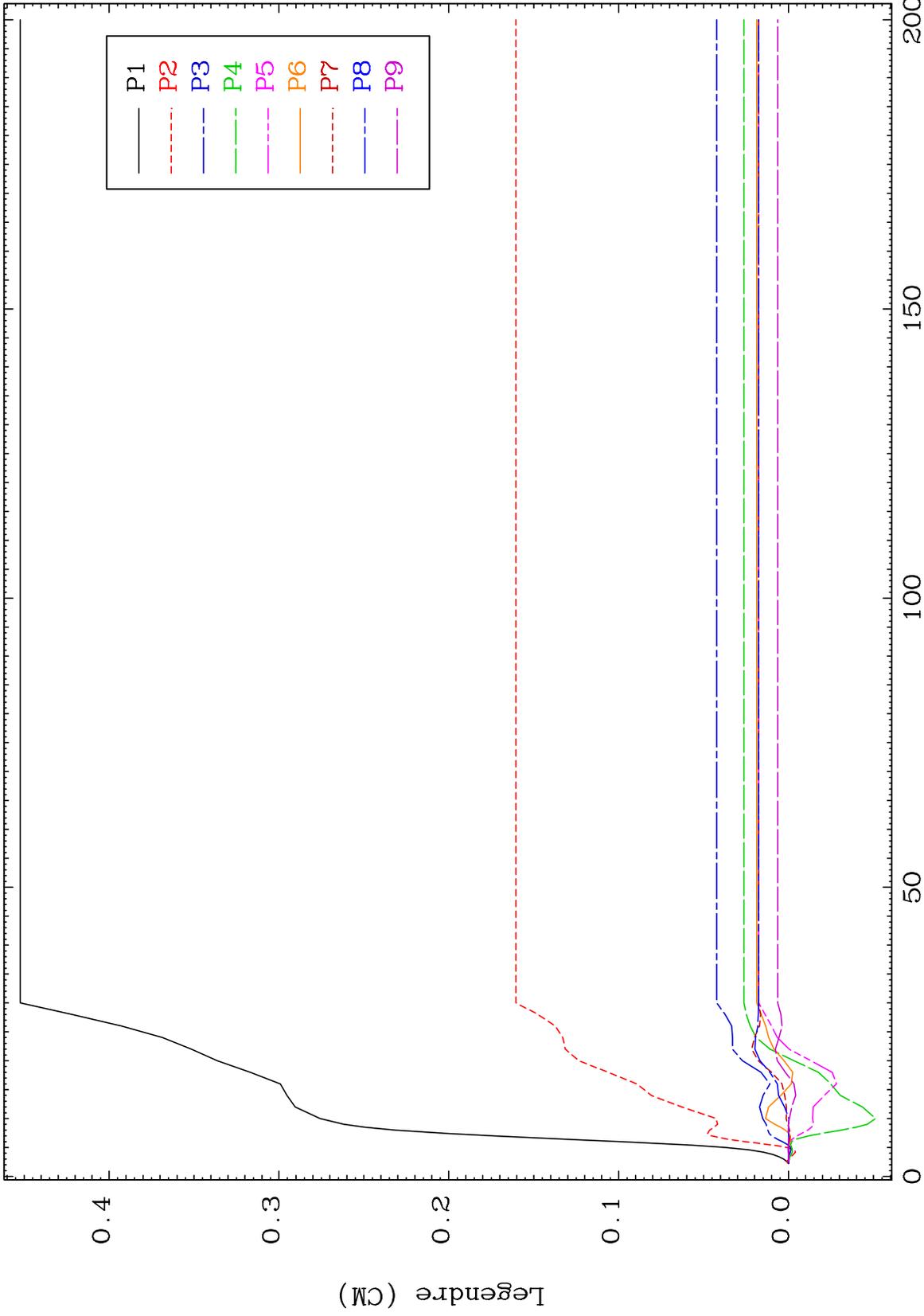
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



54

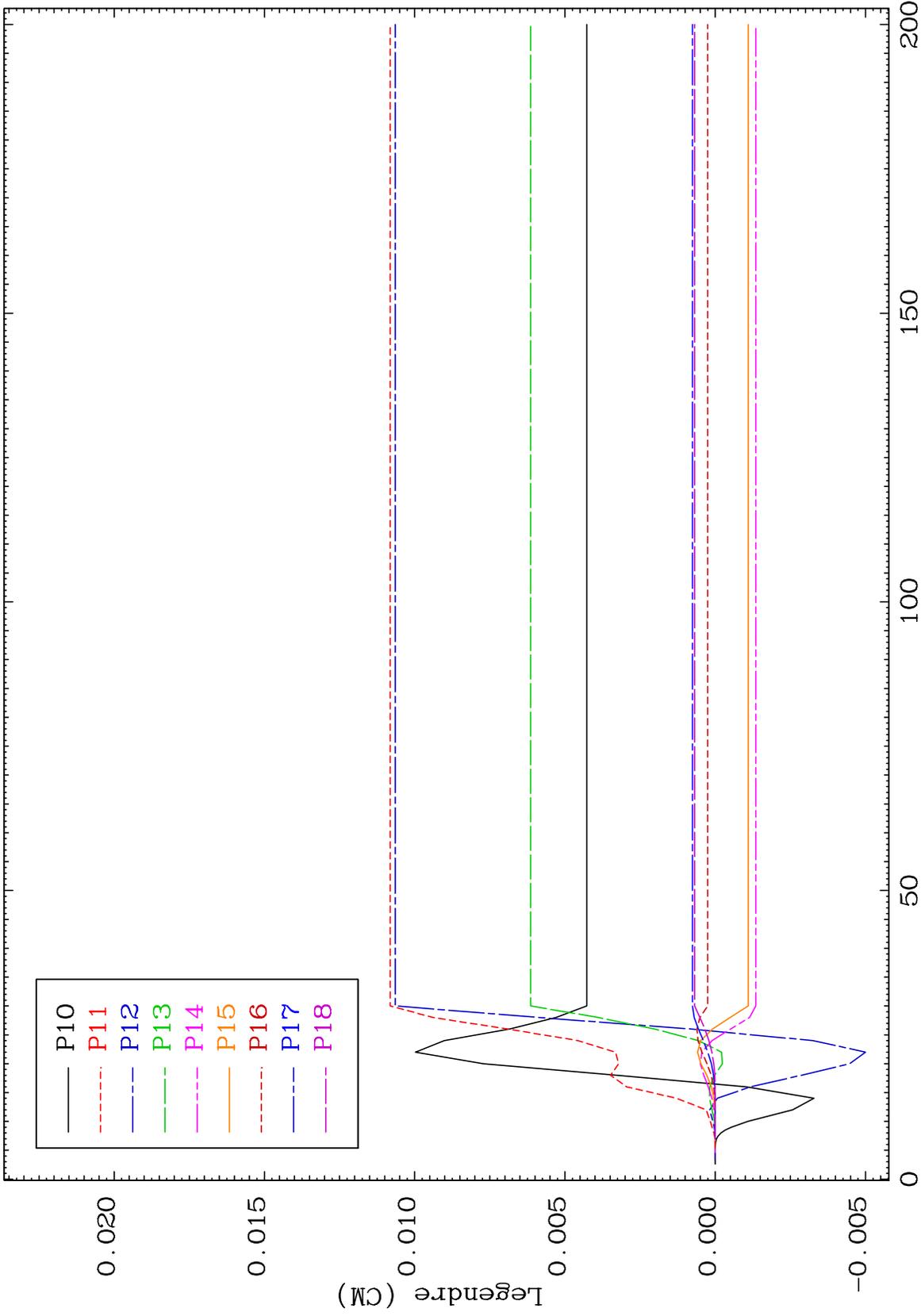
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



55

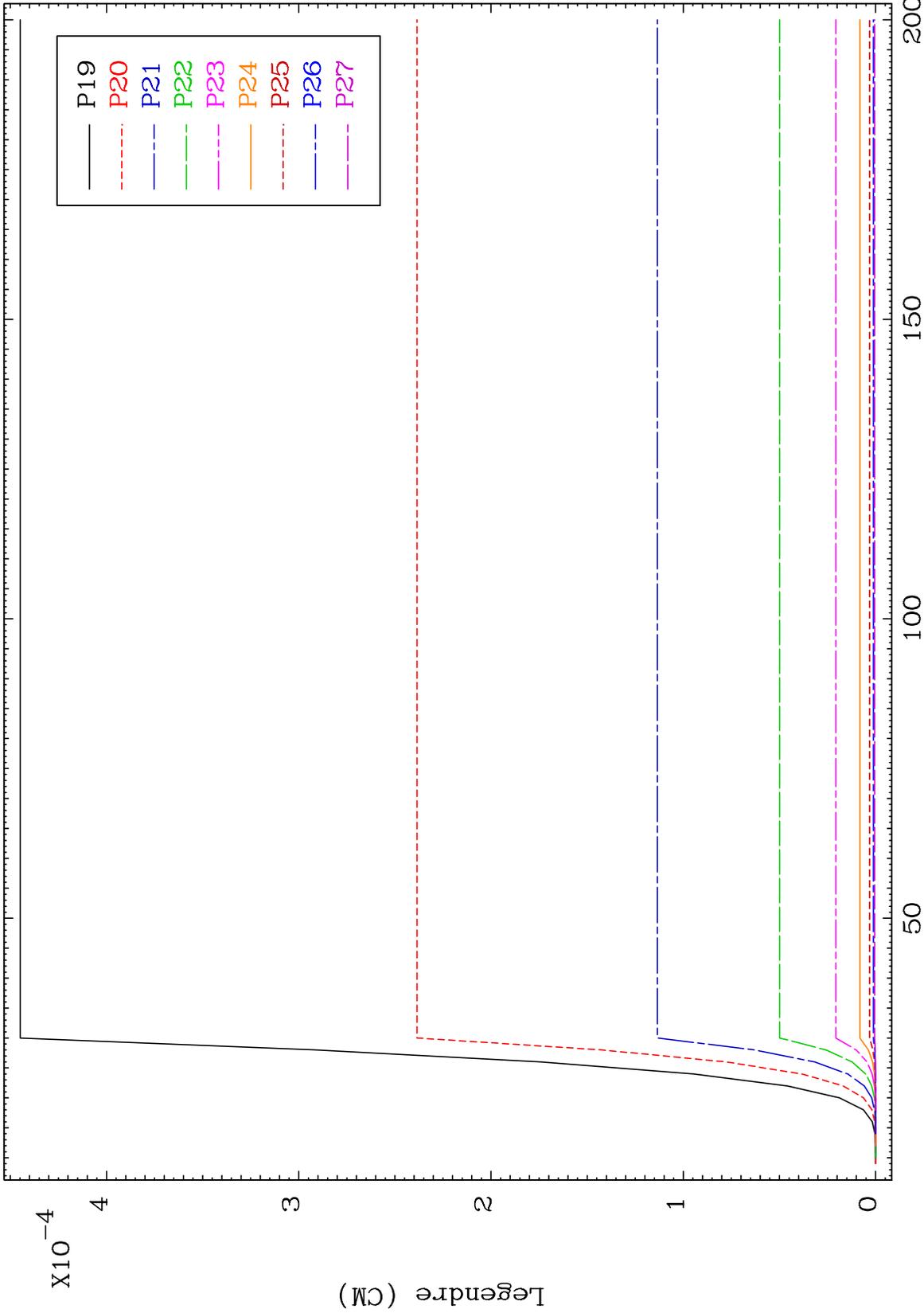
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



56

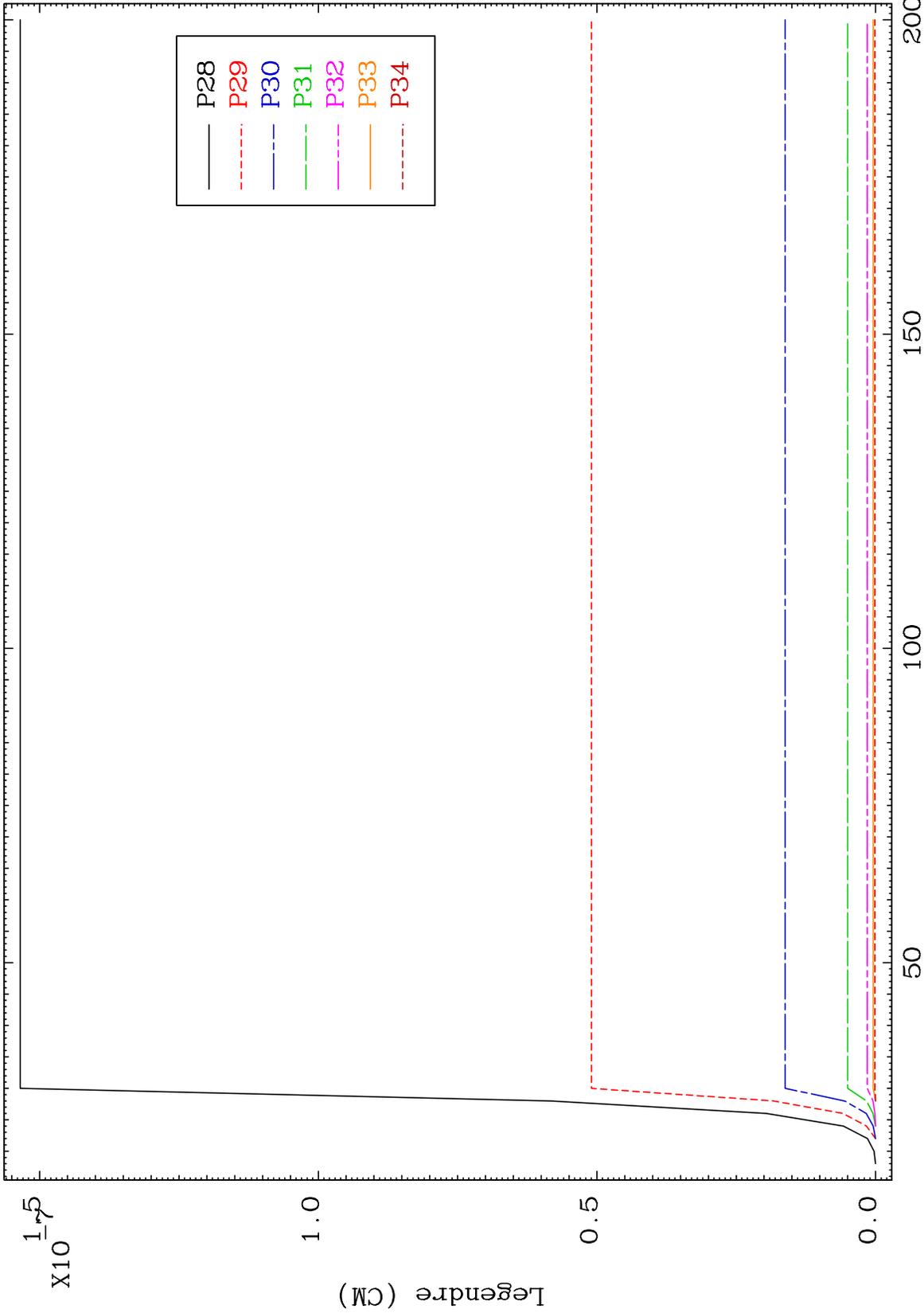
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



57

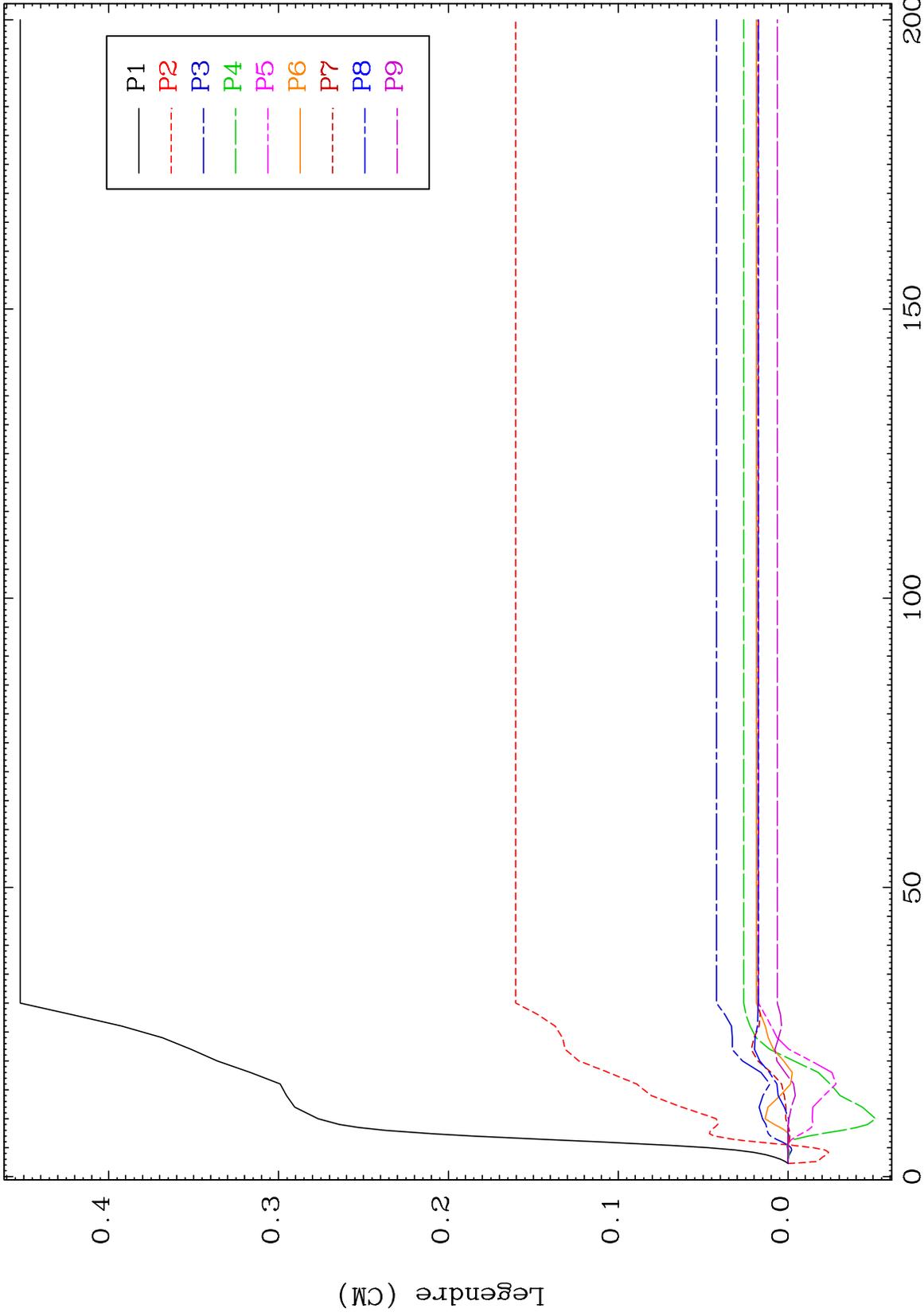
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



58

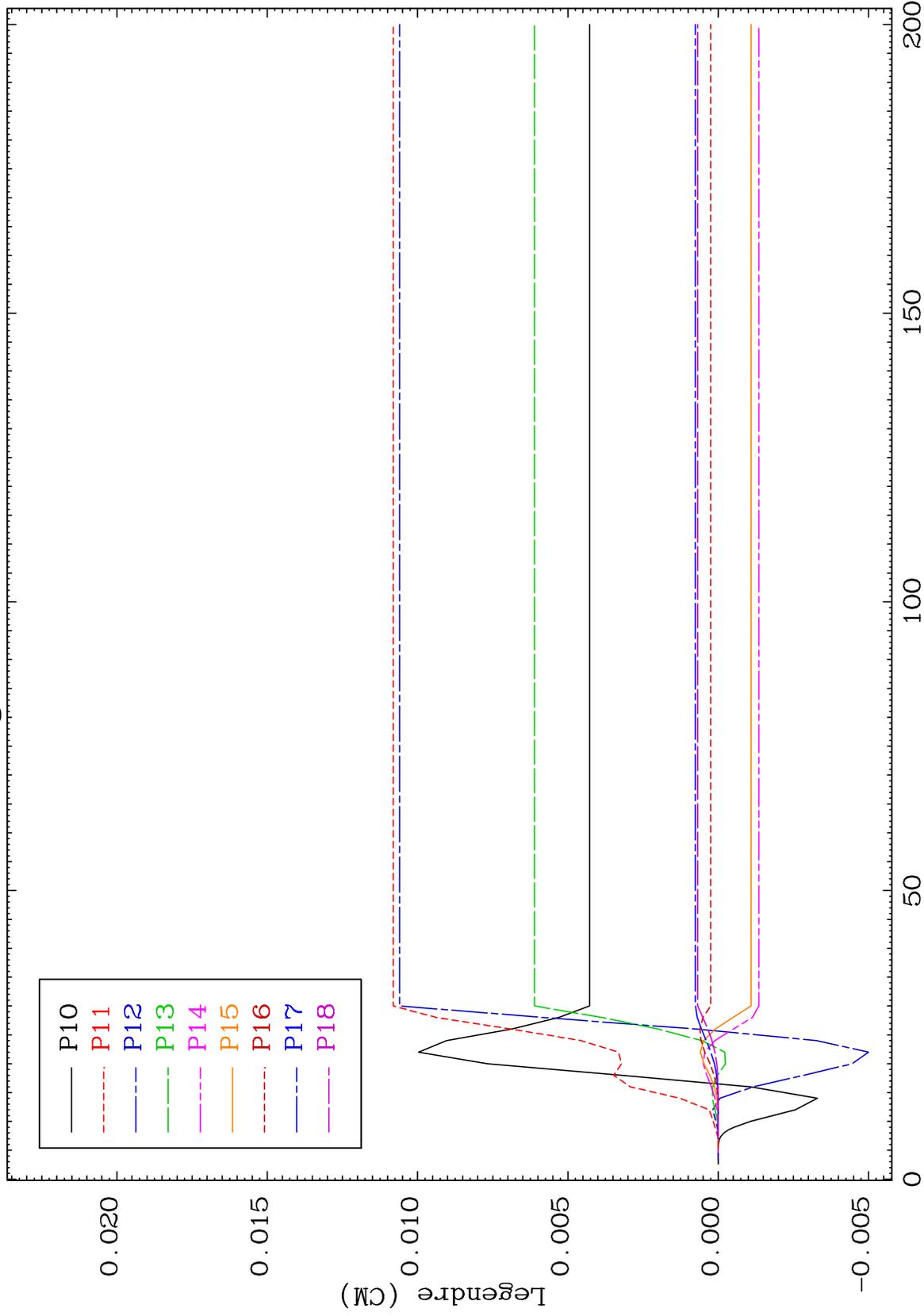
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



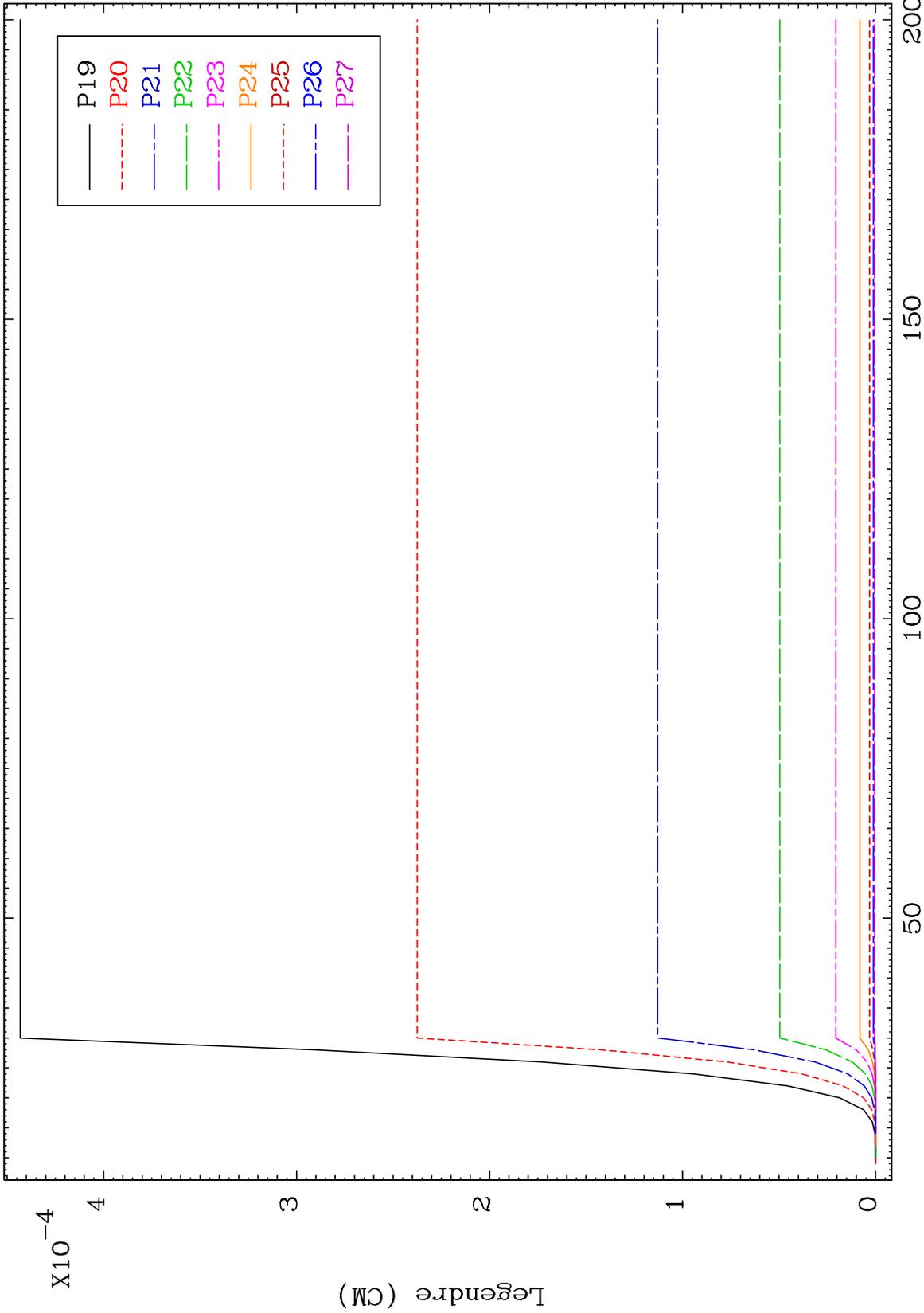
59

32-Ge-83

MAT 3264

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

32-Ge-83



60

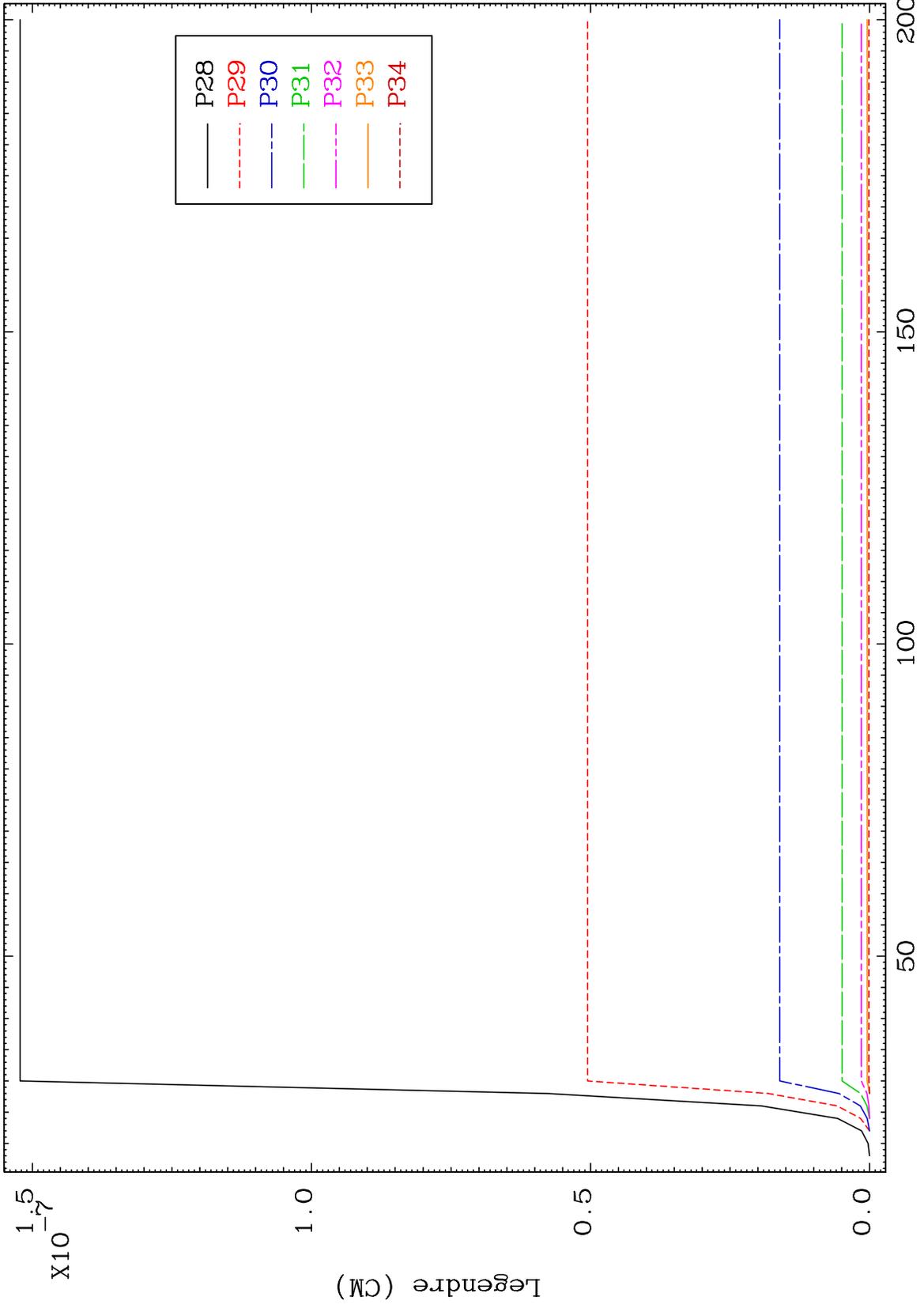
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



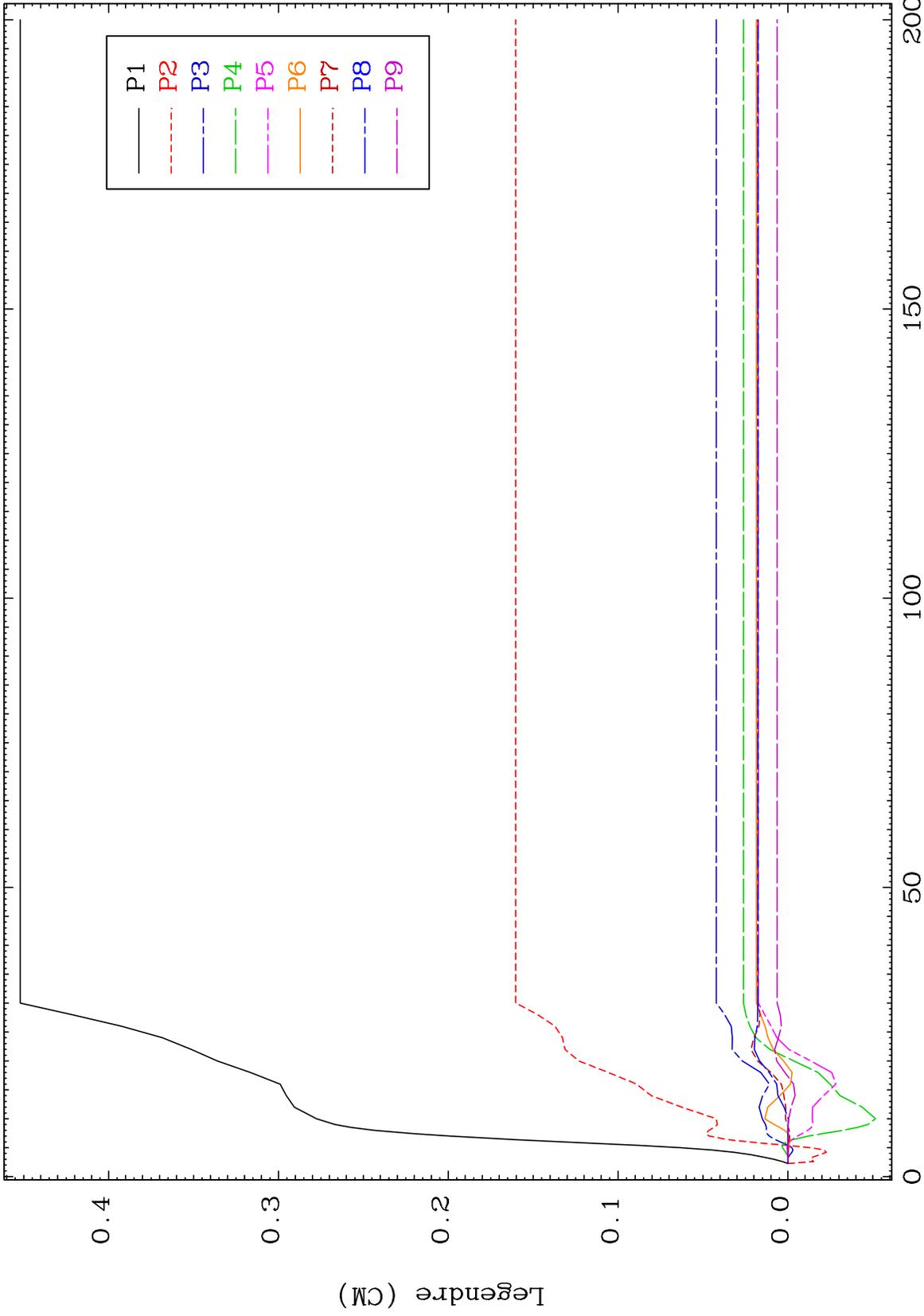
61

32-Ge-83

MAT 3264

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

32-Ge-83



62

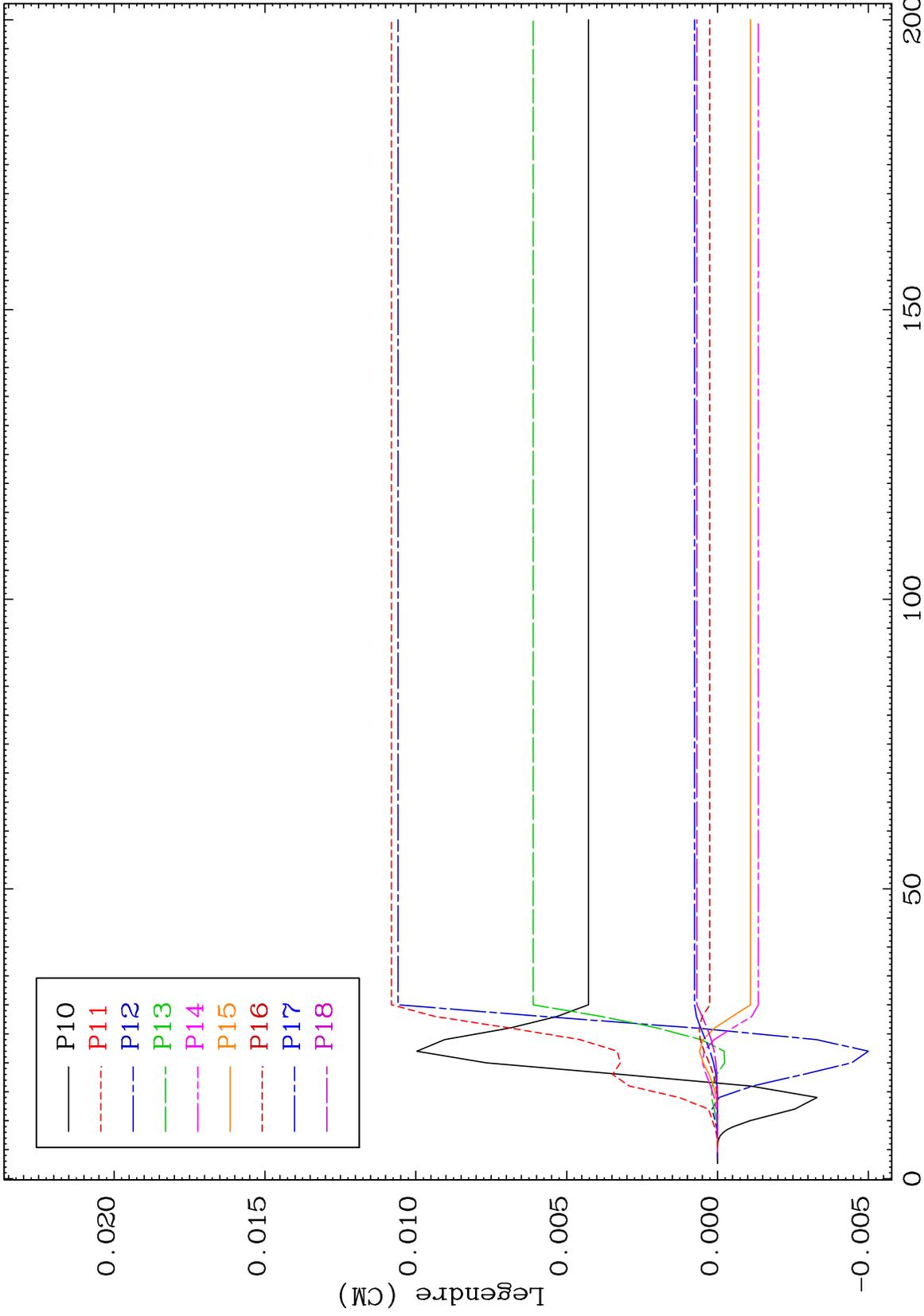
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



63

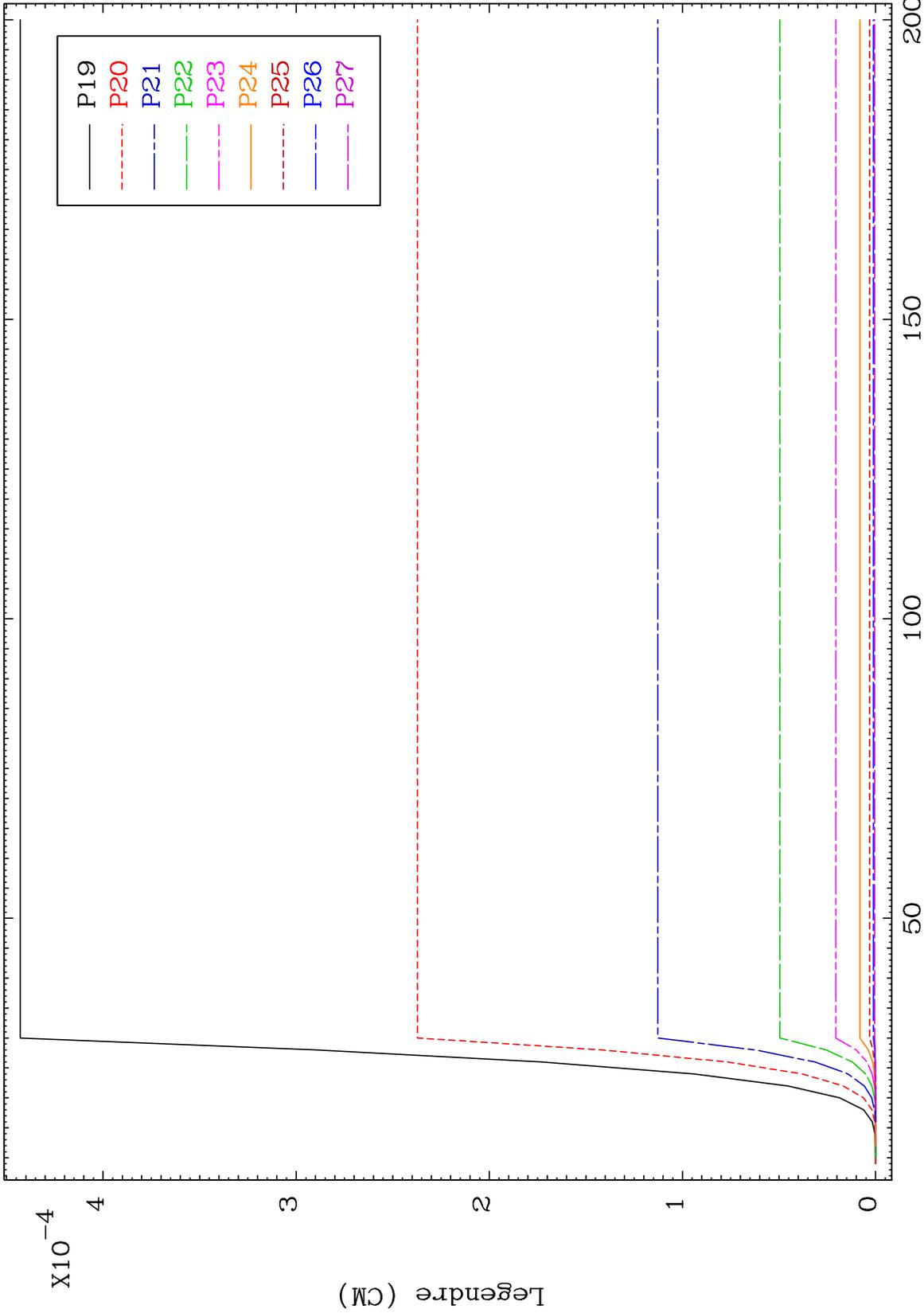
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



64

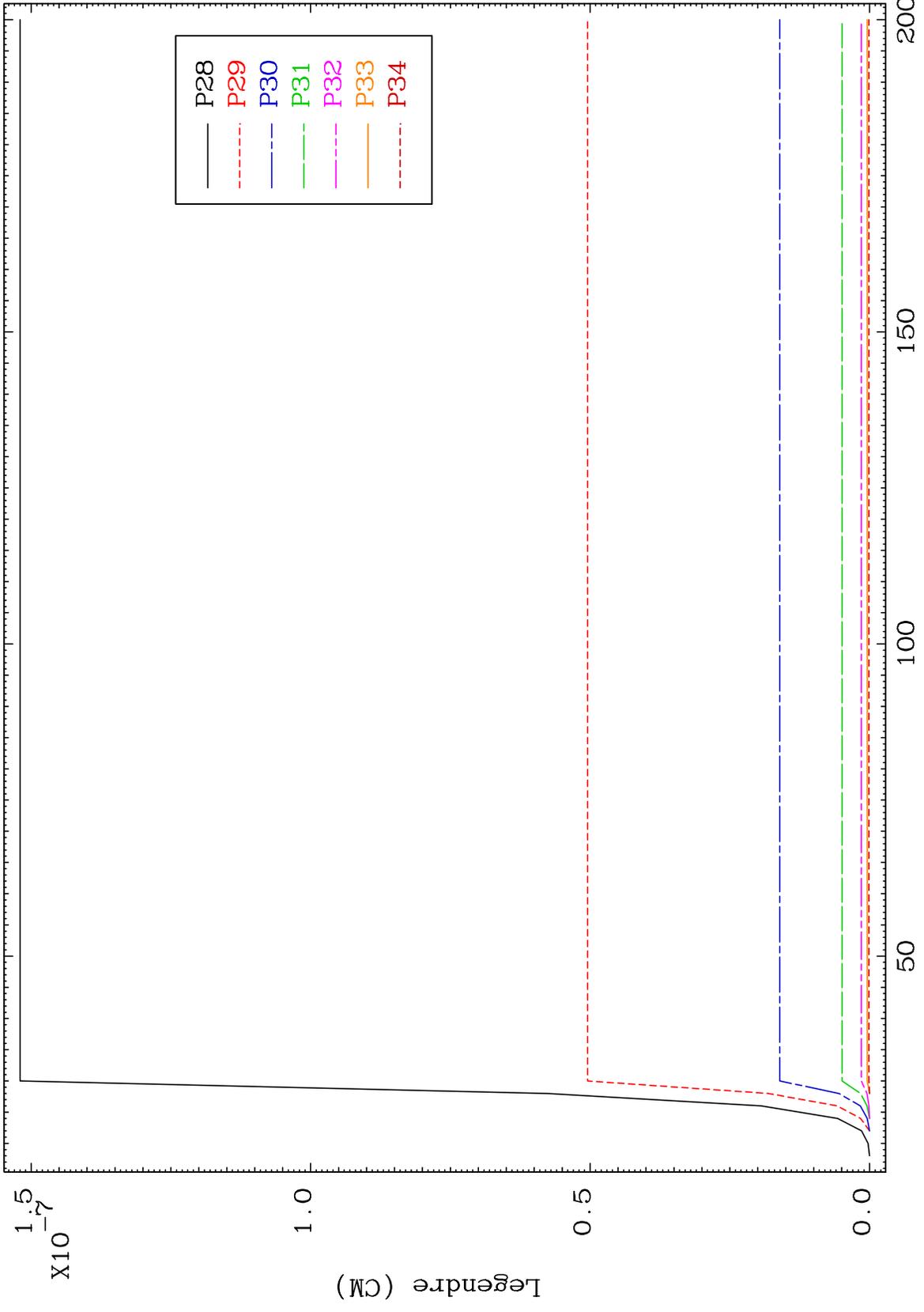
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



65

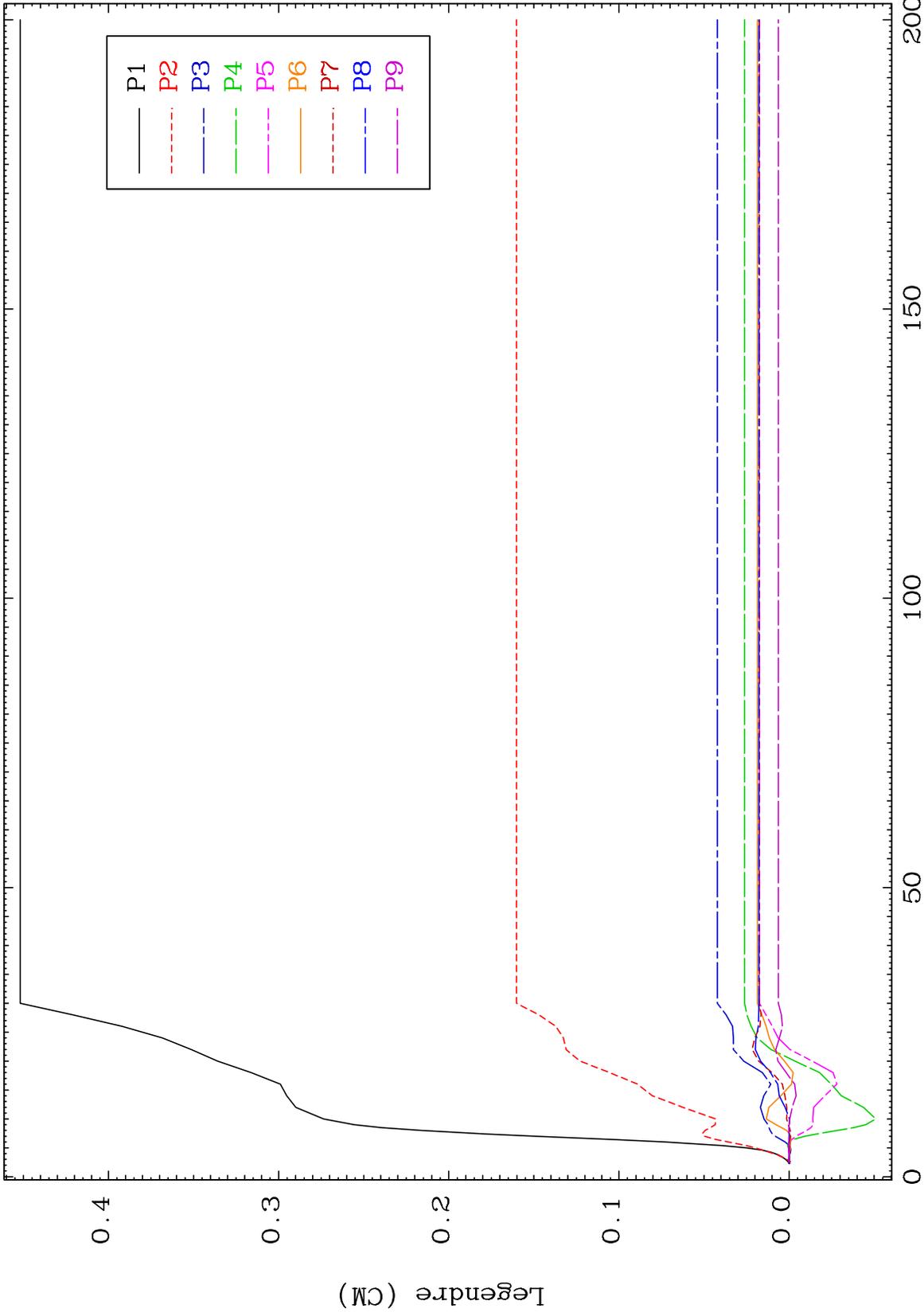
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



66

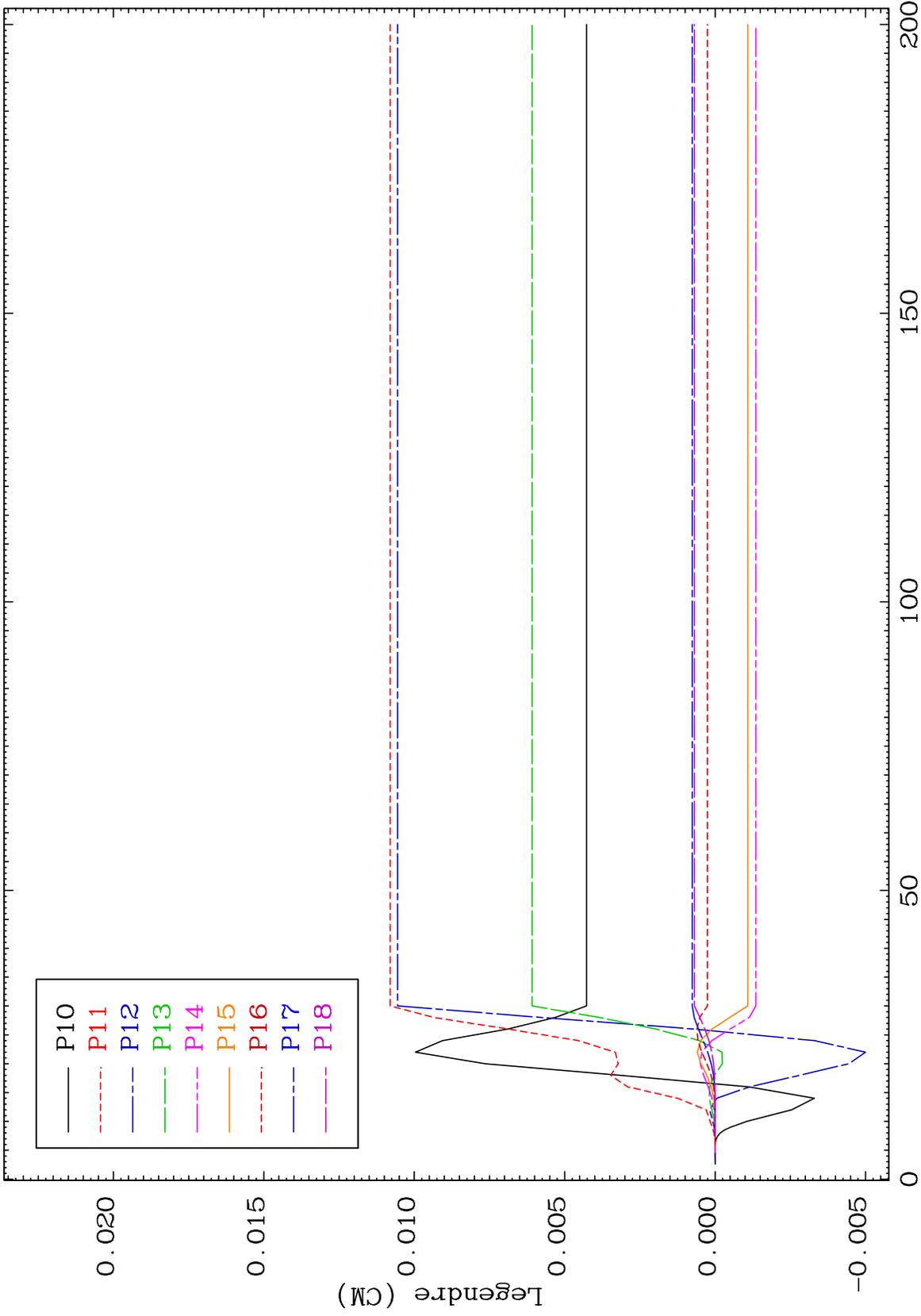
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



67

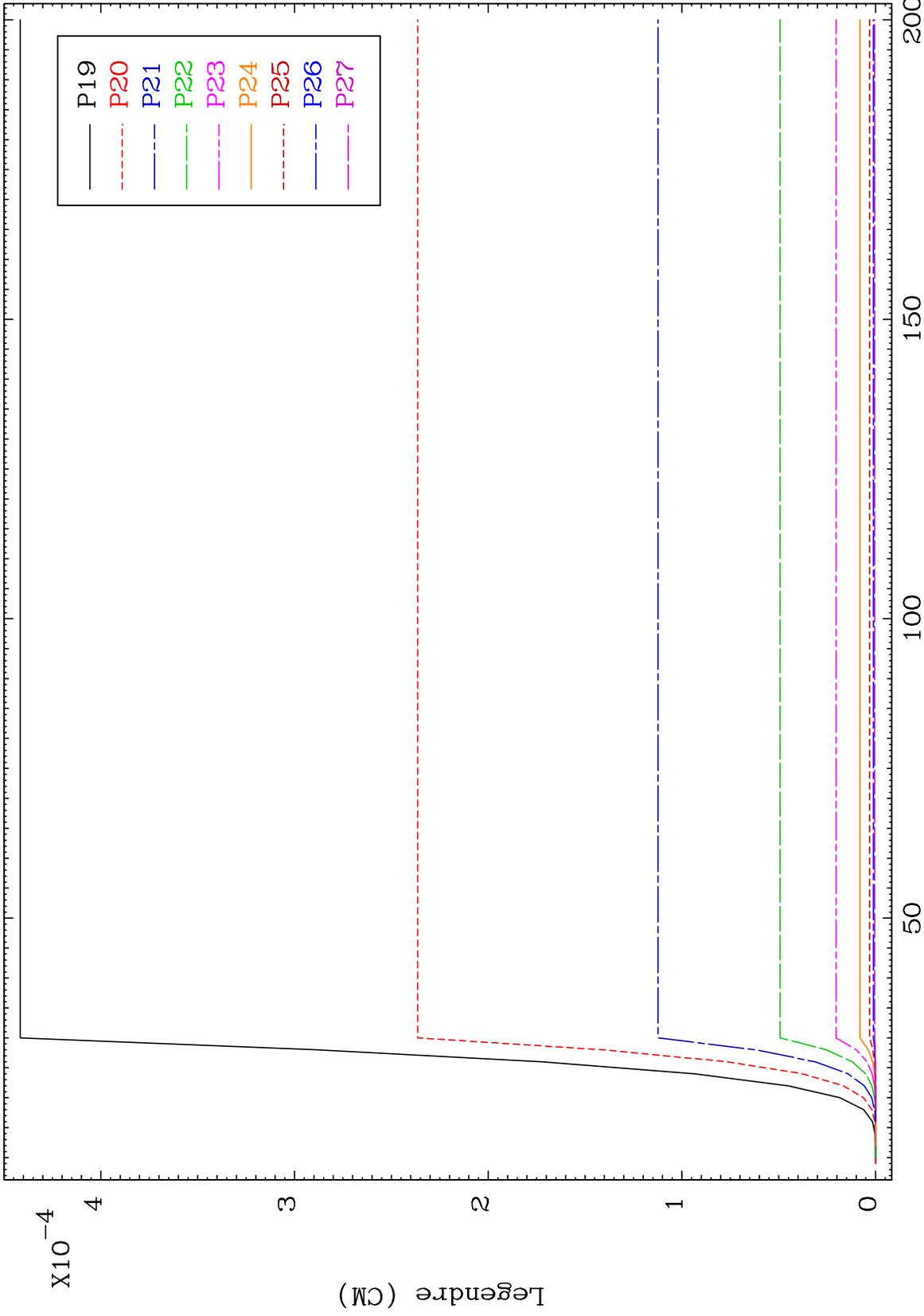
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



68

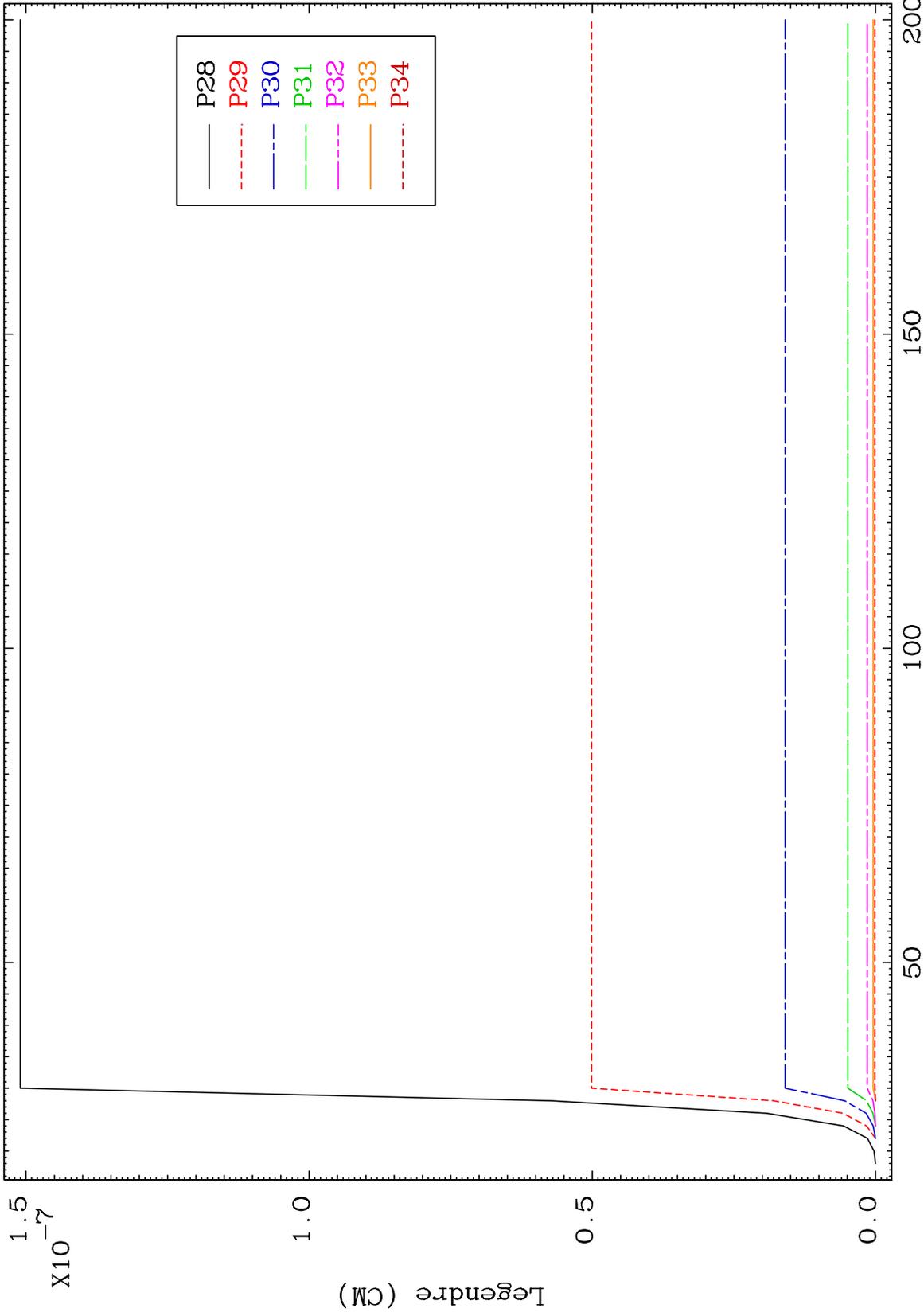
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



69

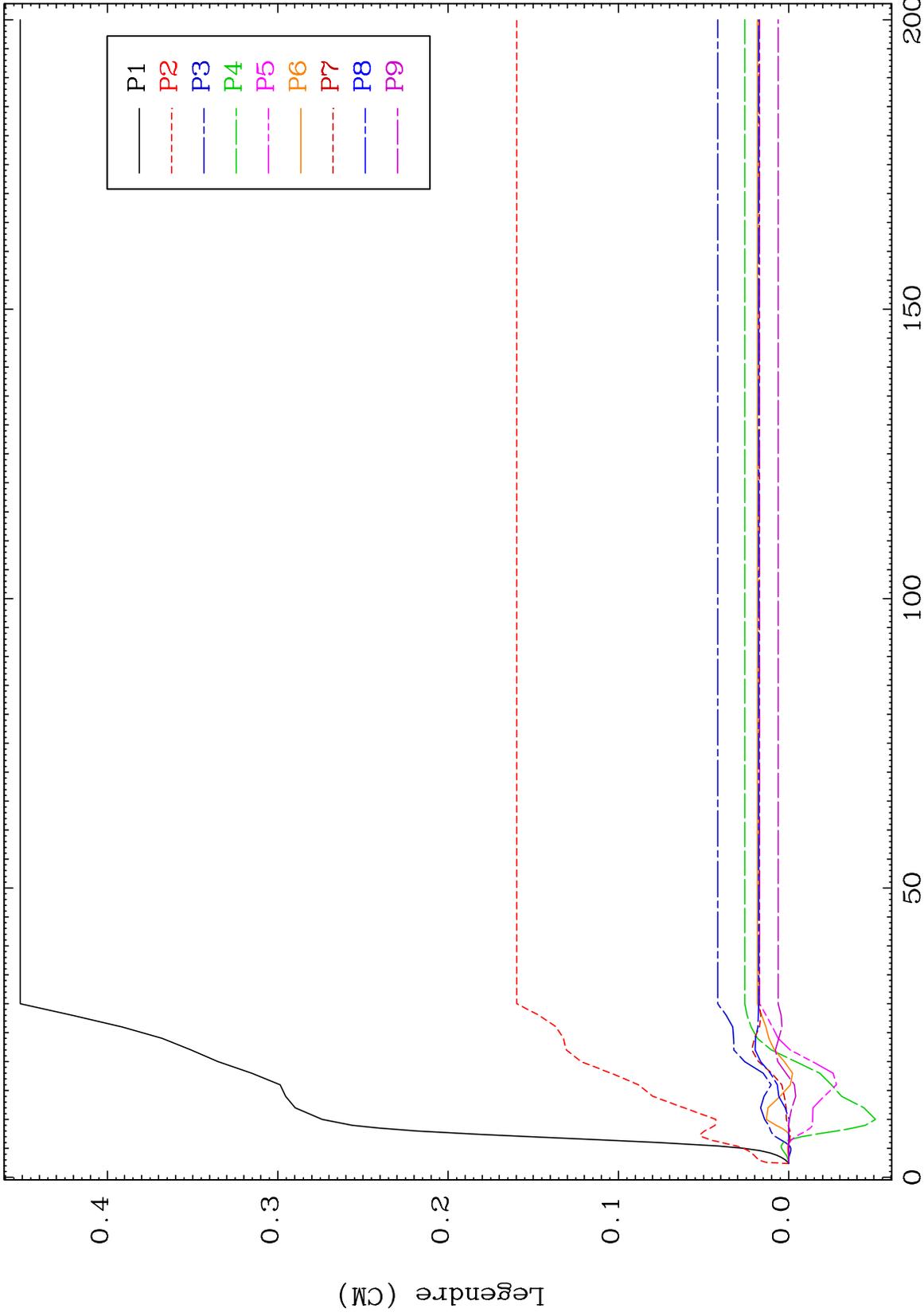
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



70

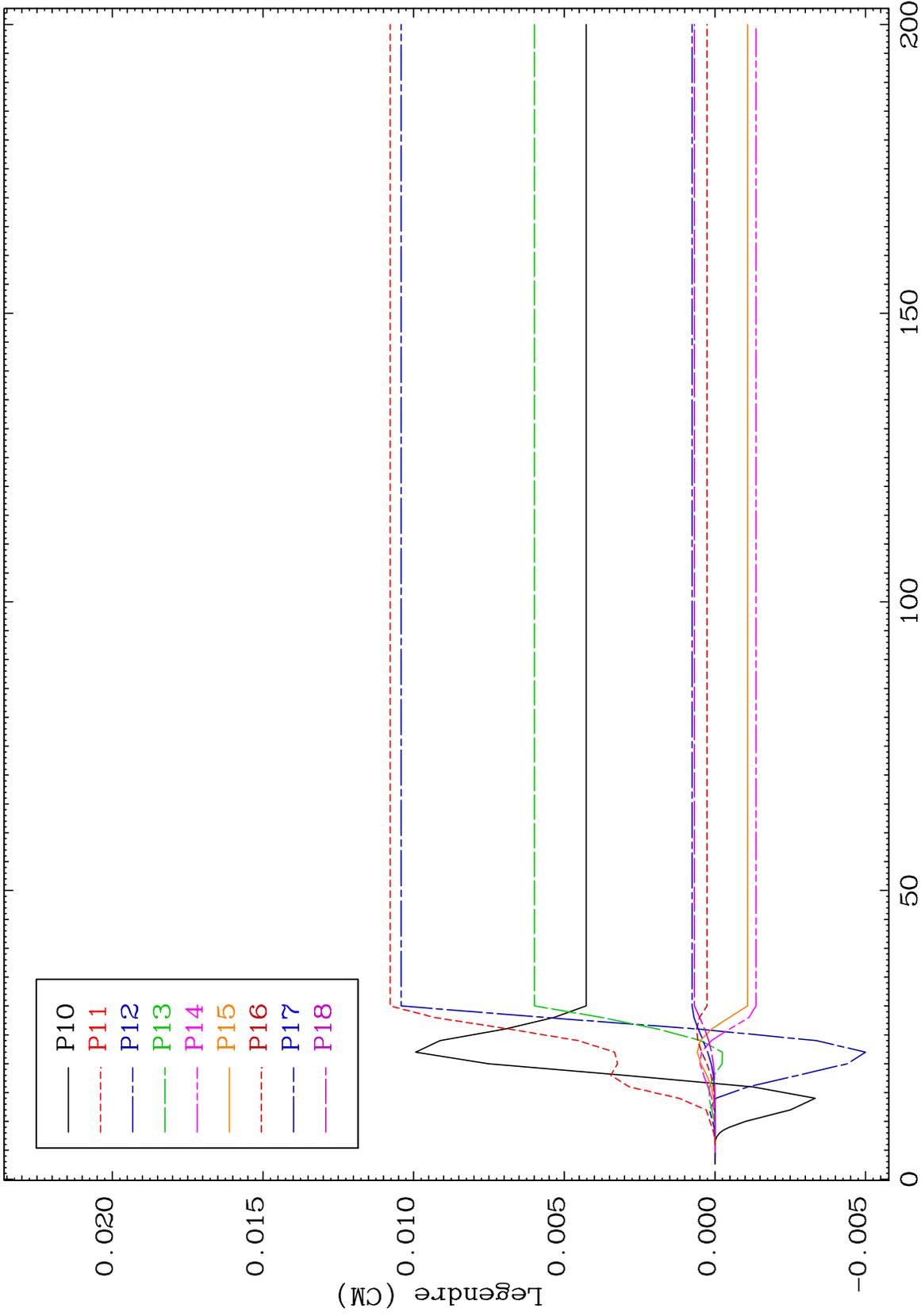
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



71

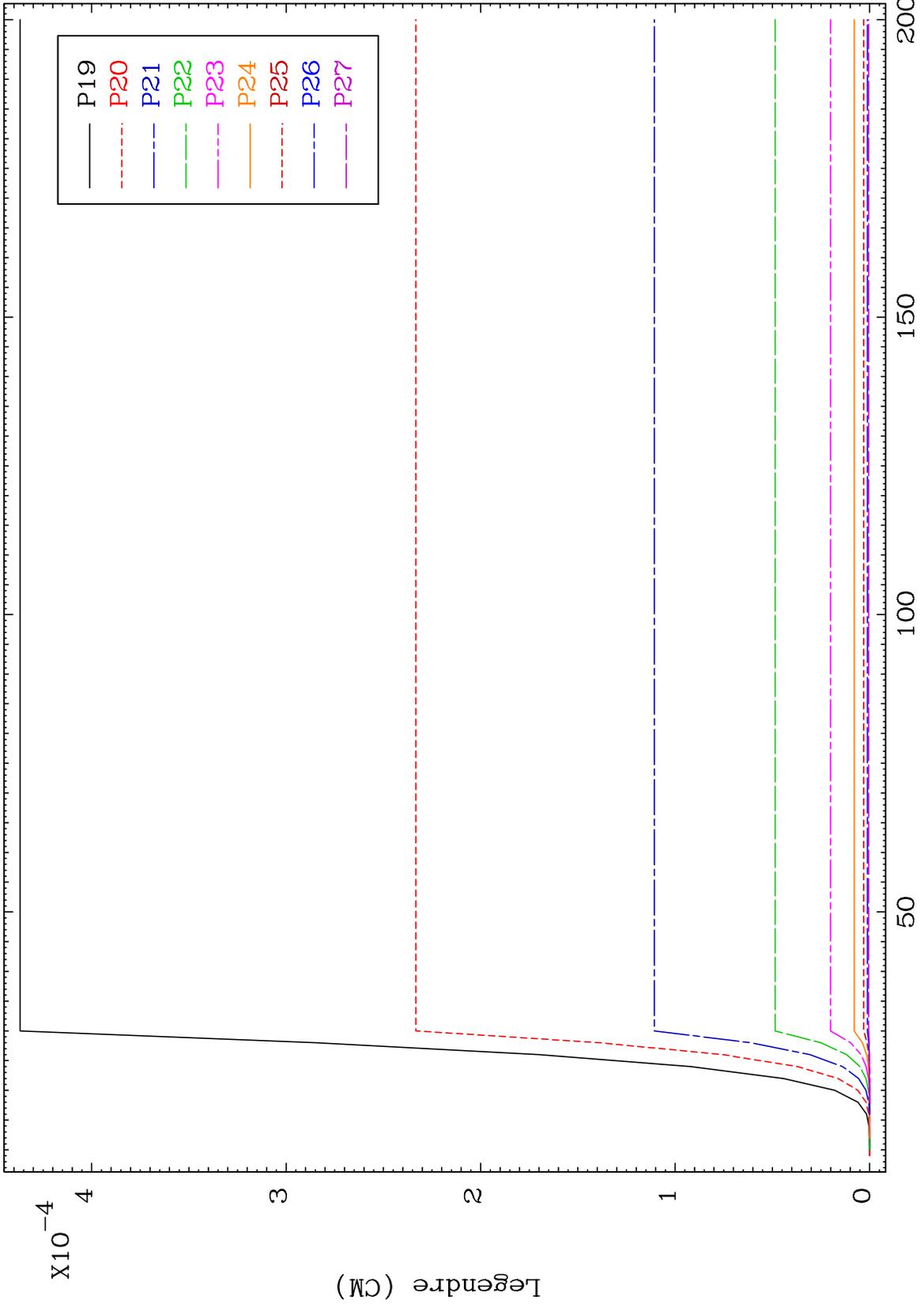
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



72

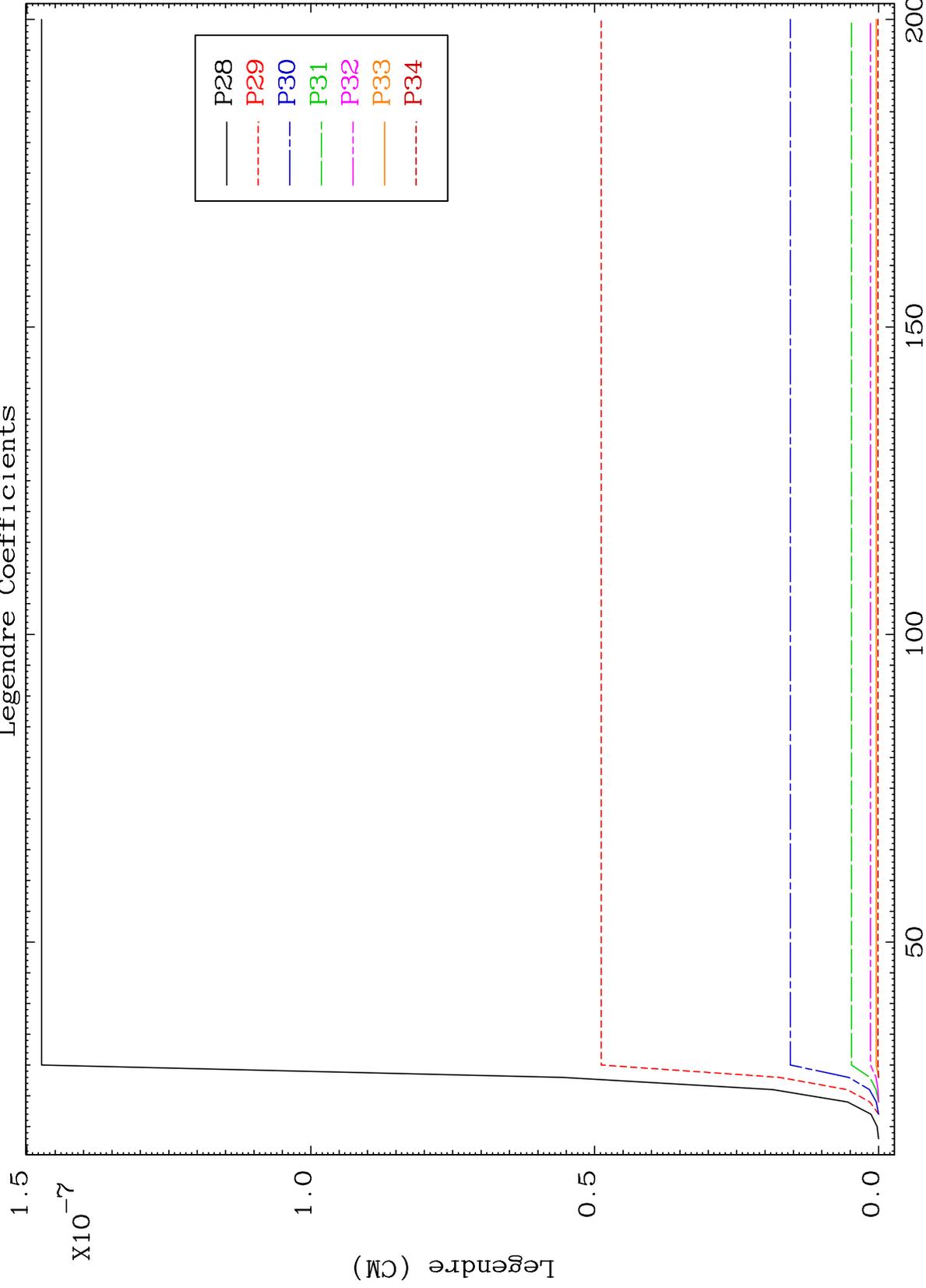
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



32-Ge-83

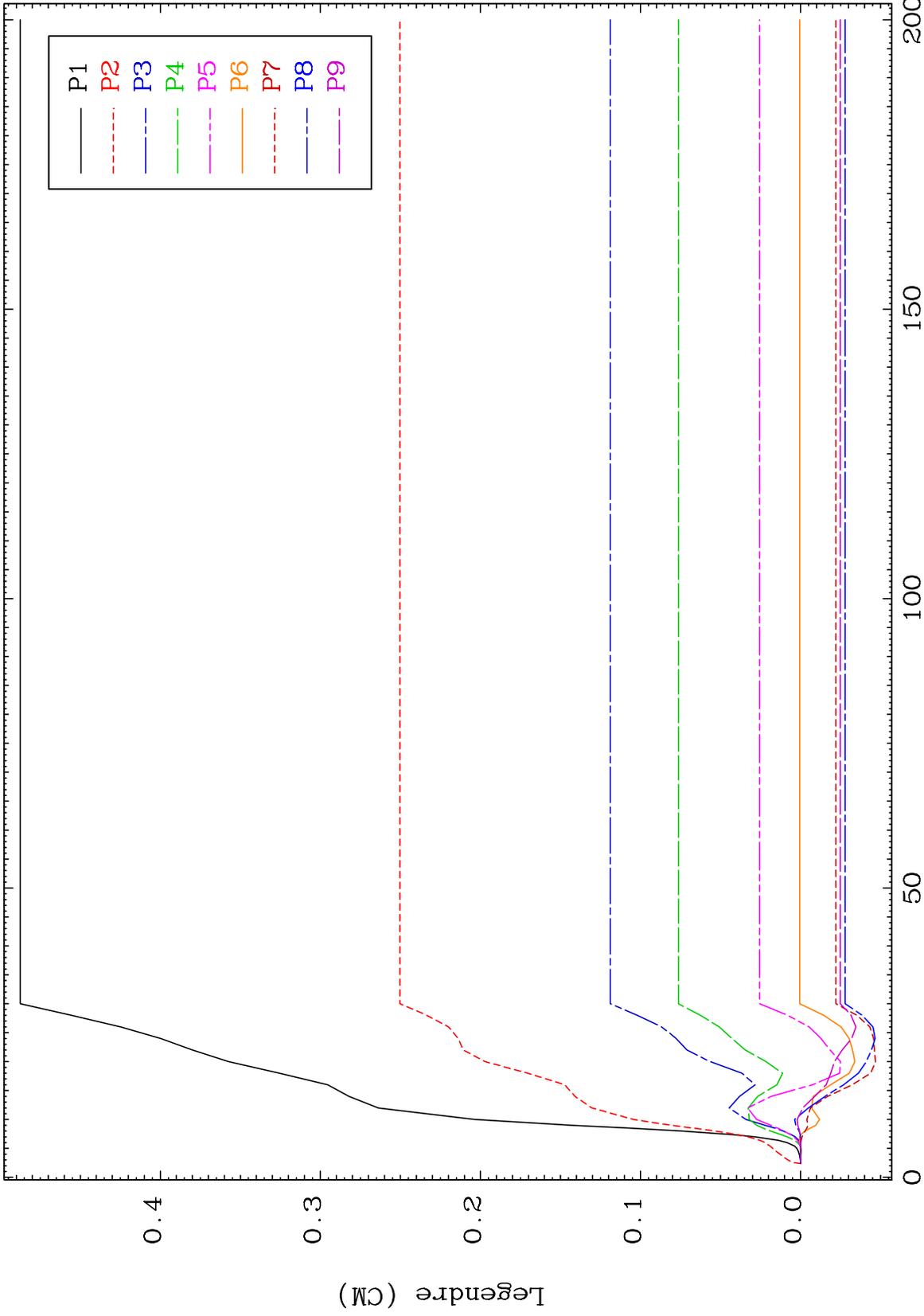
Incident Energy (MeV)

73

MAT 3264

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

32-Ge-83



74

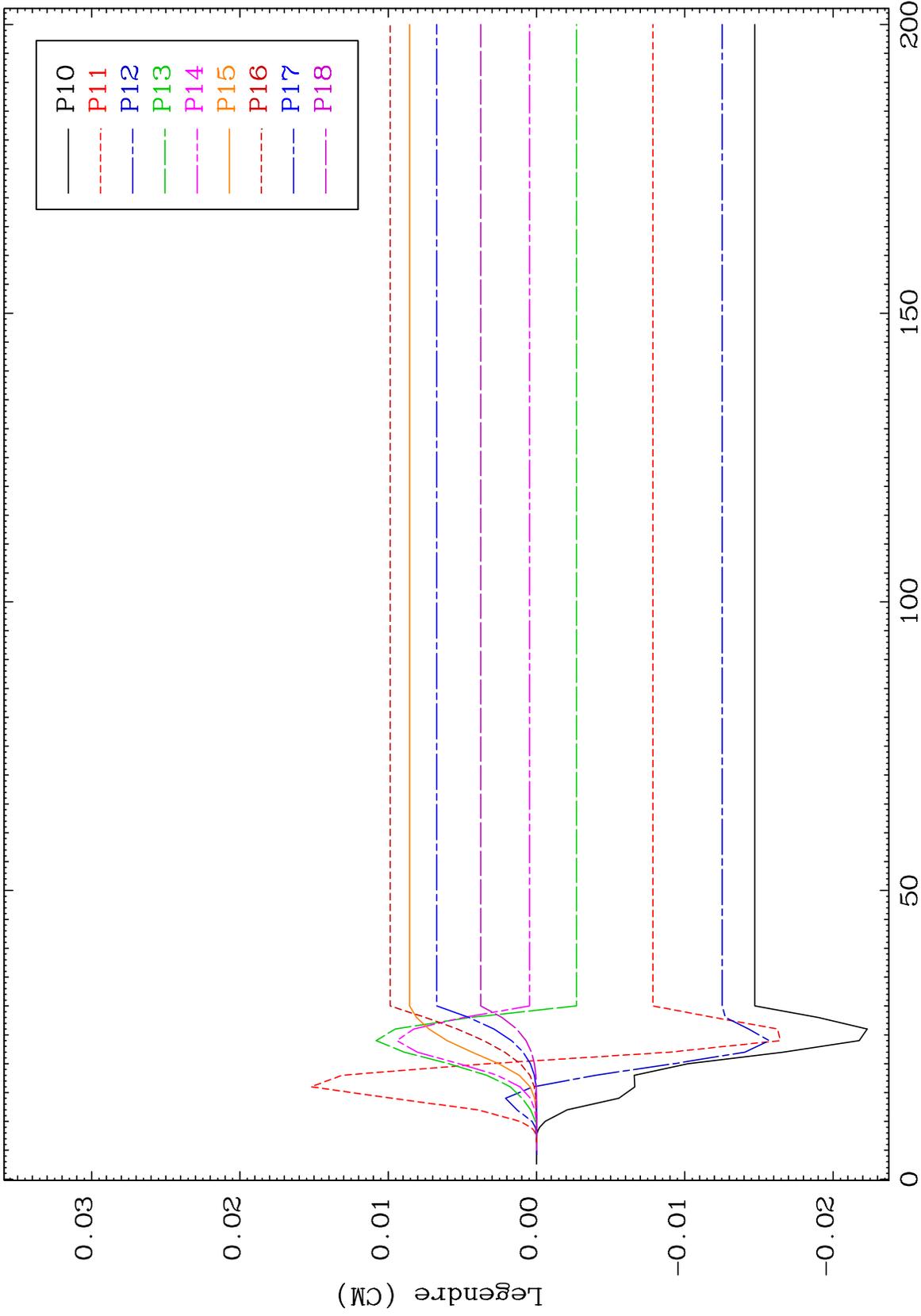
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



75

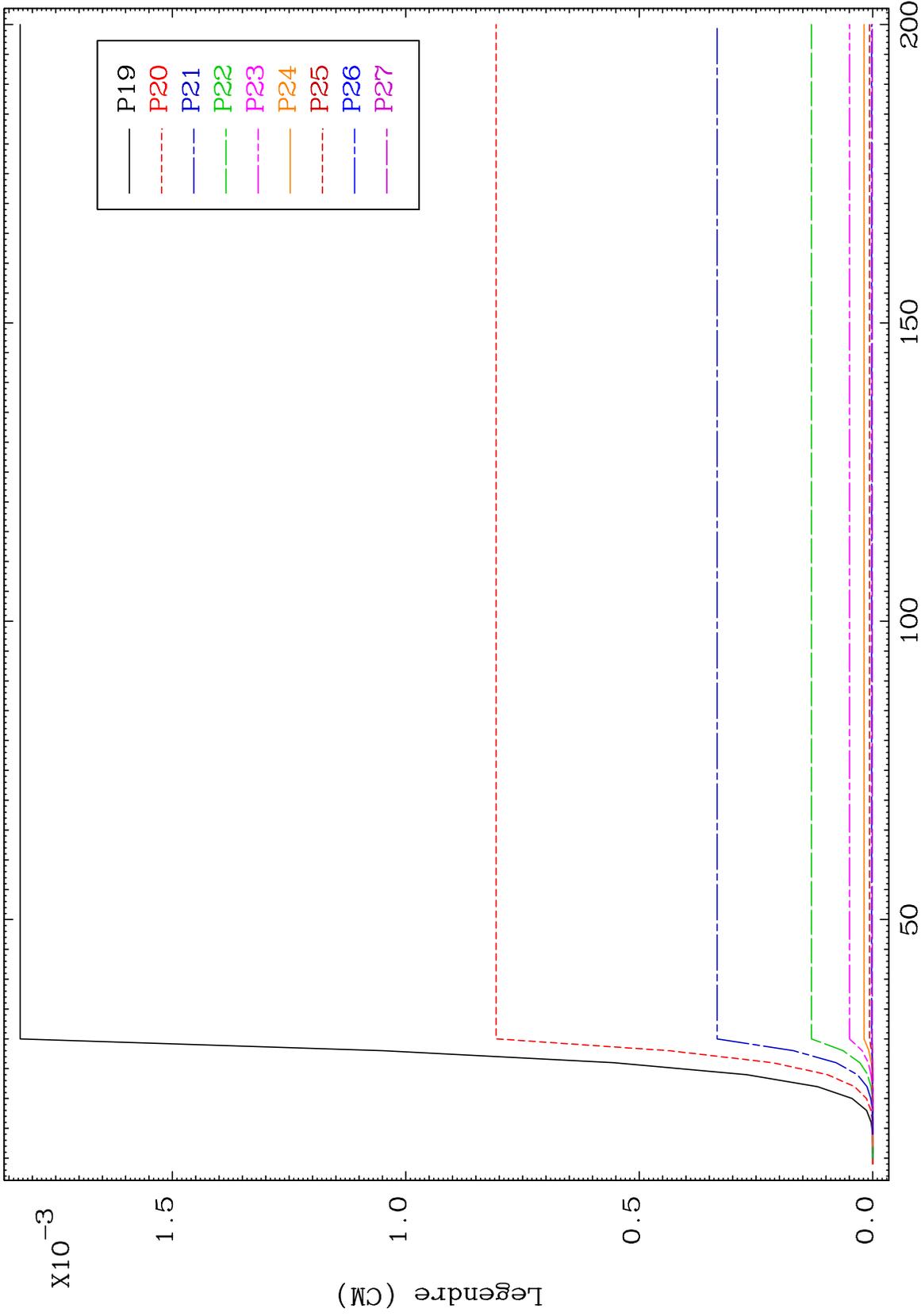
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



76

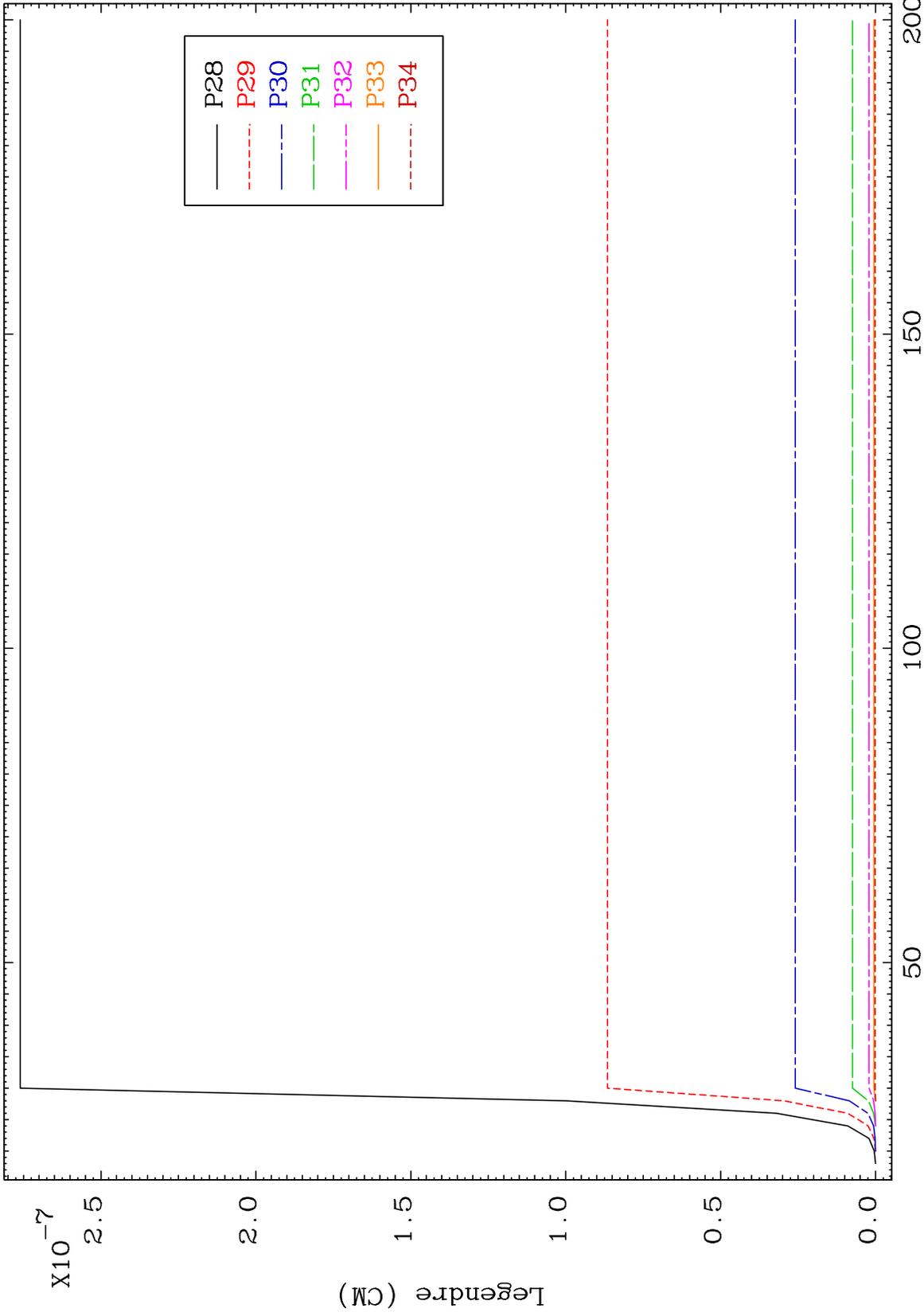
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



77

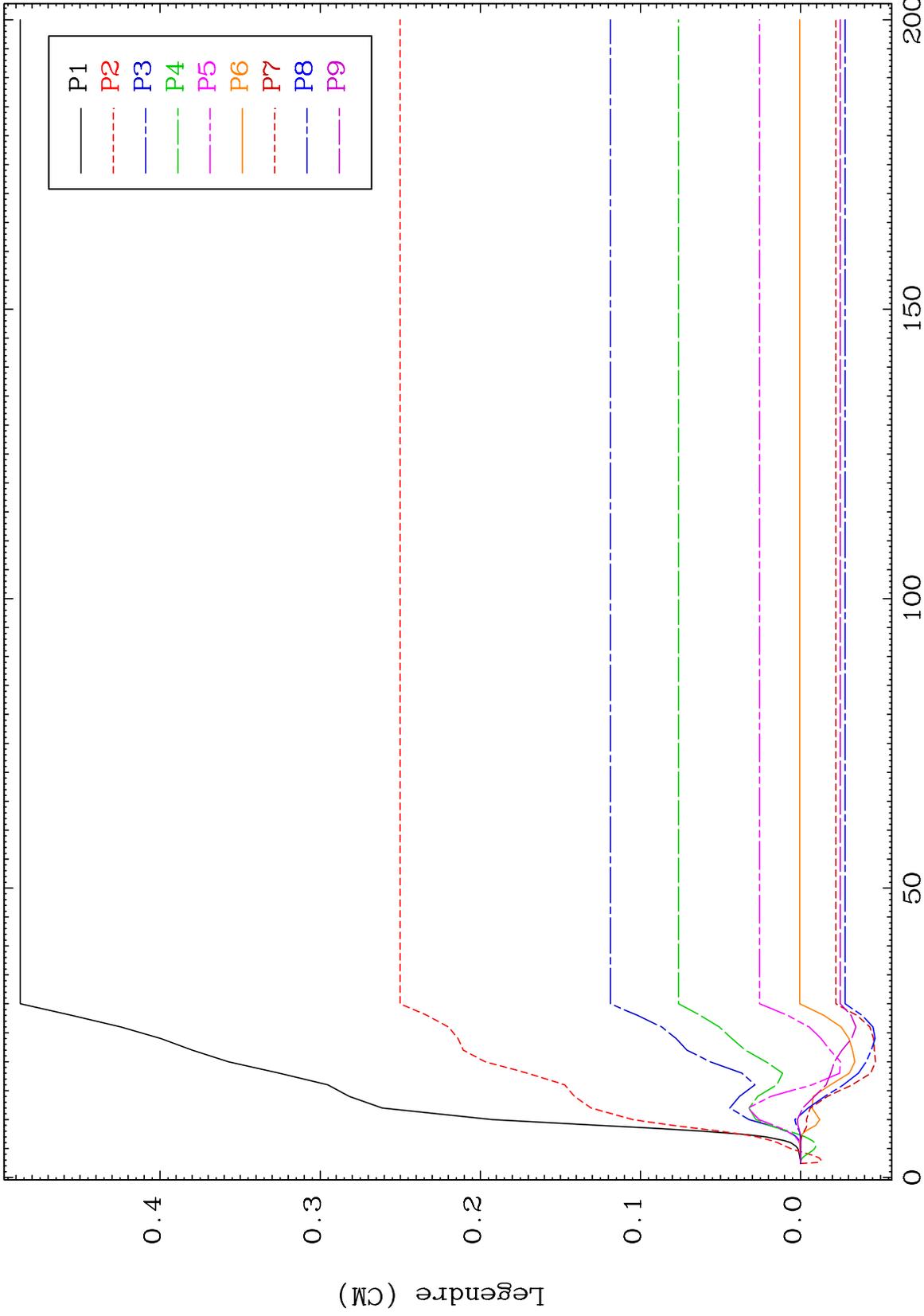
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



78

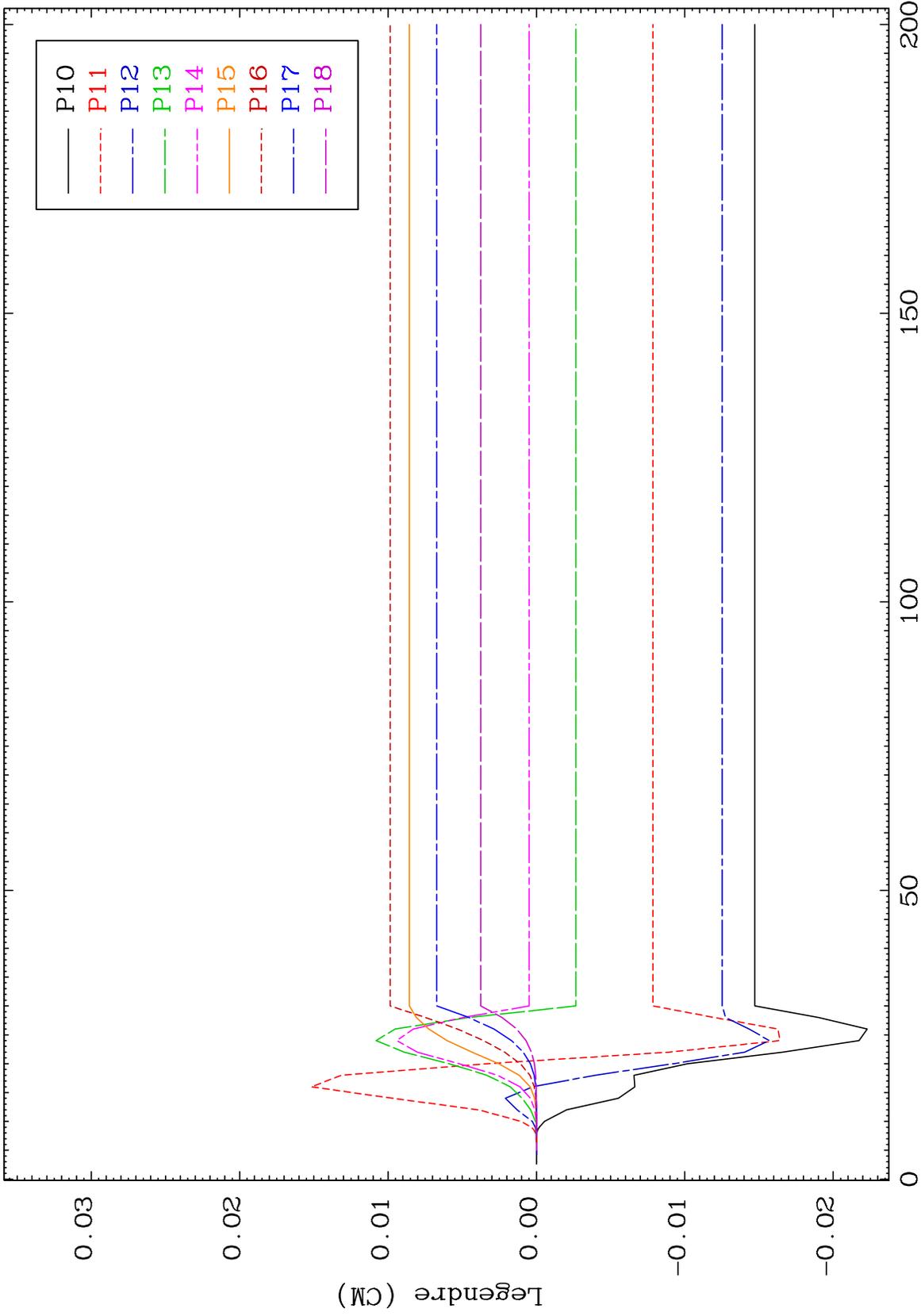
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



79

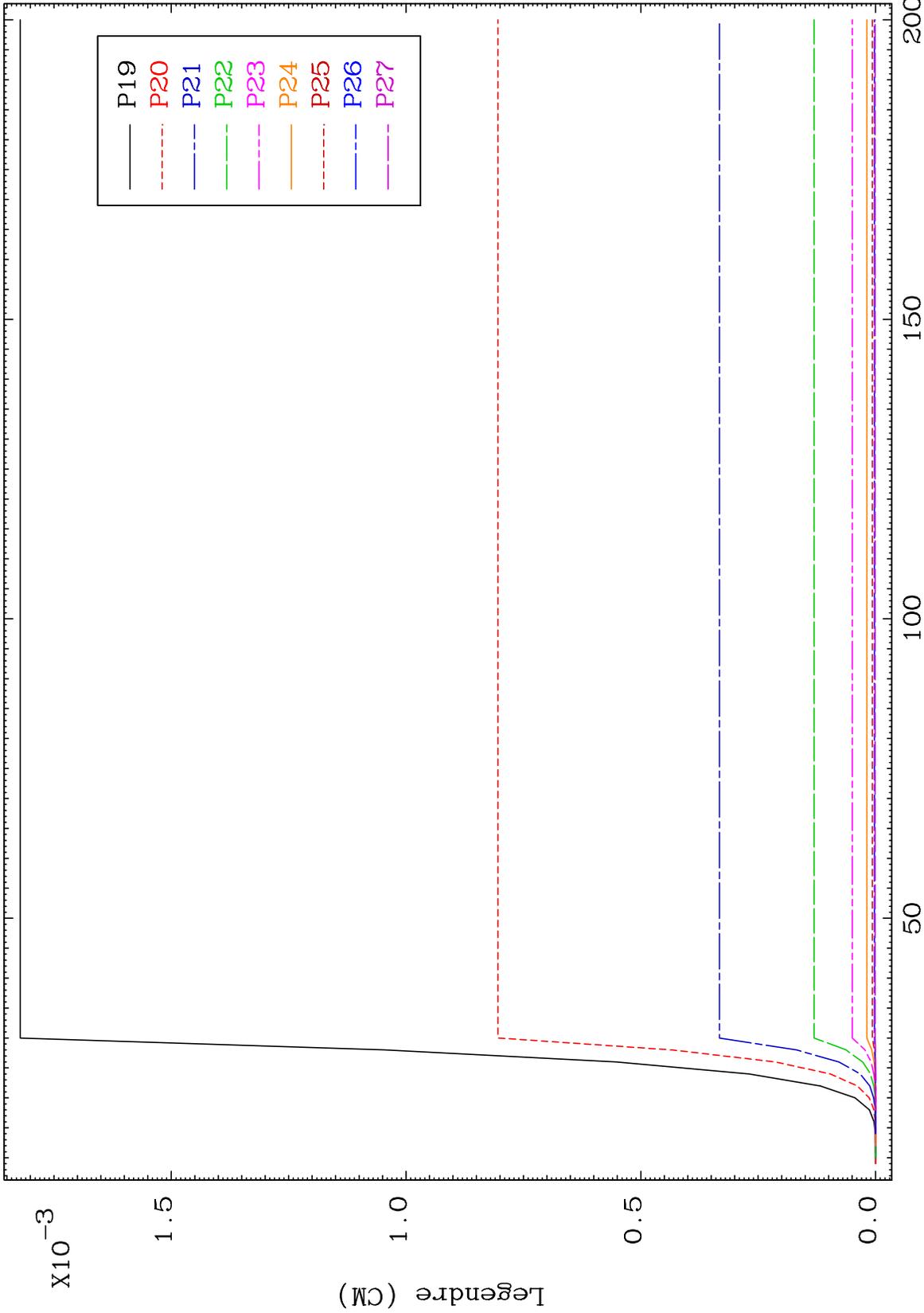
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



80

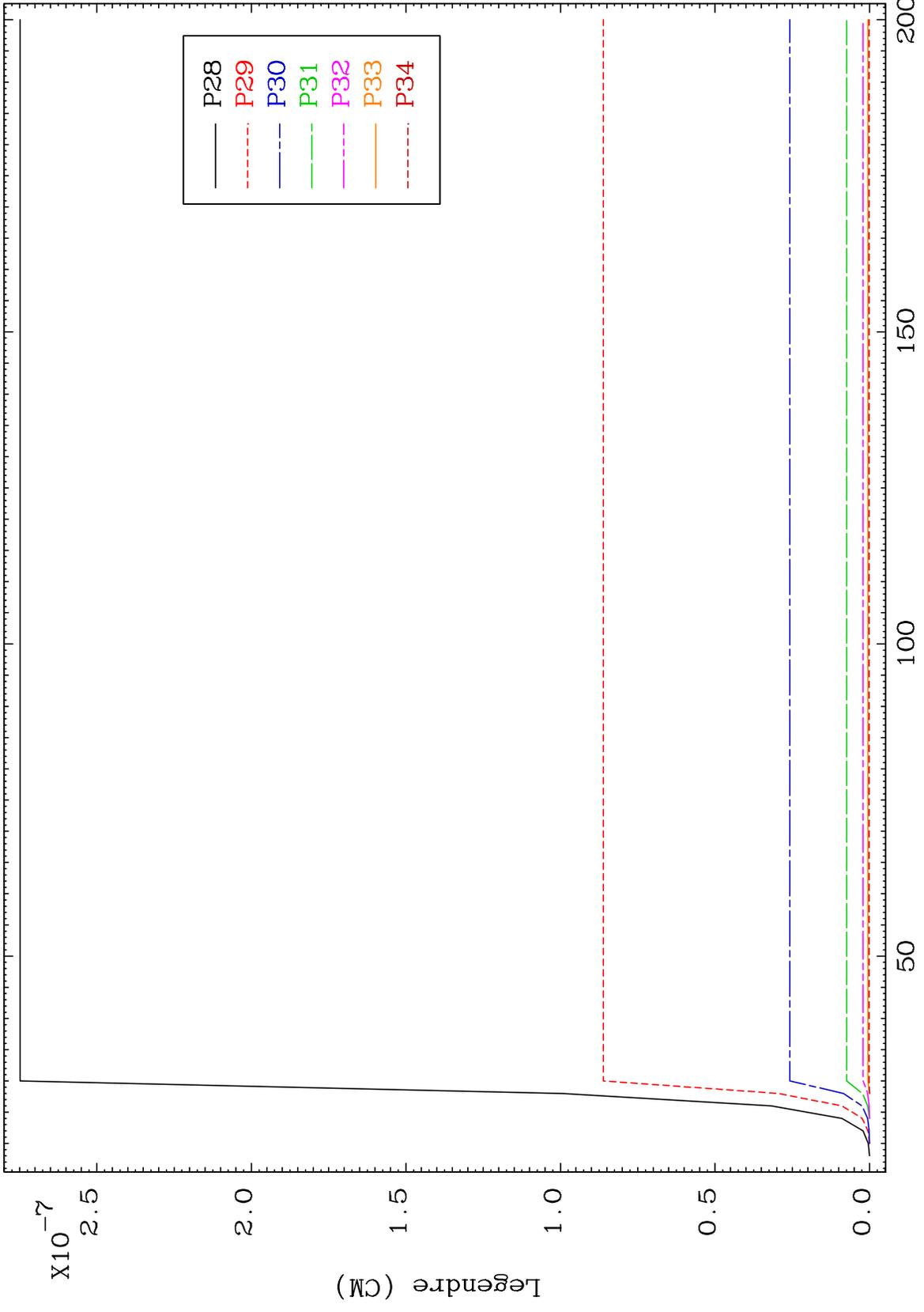
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



81

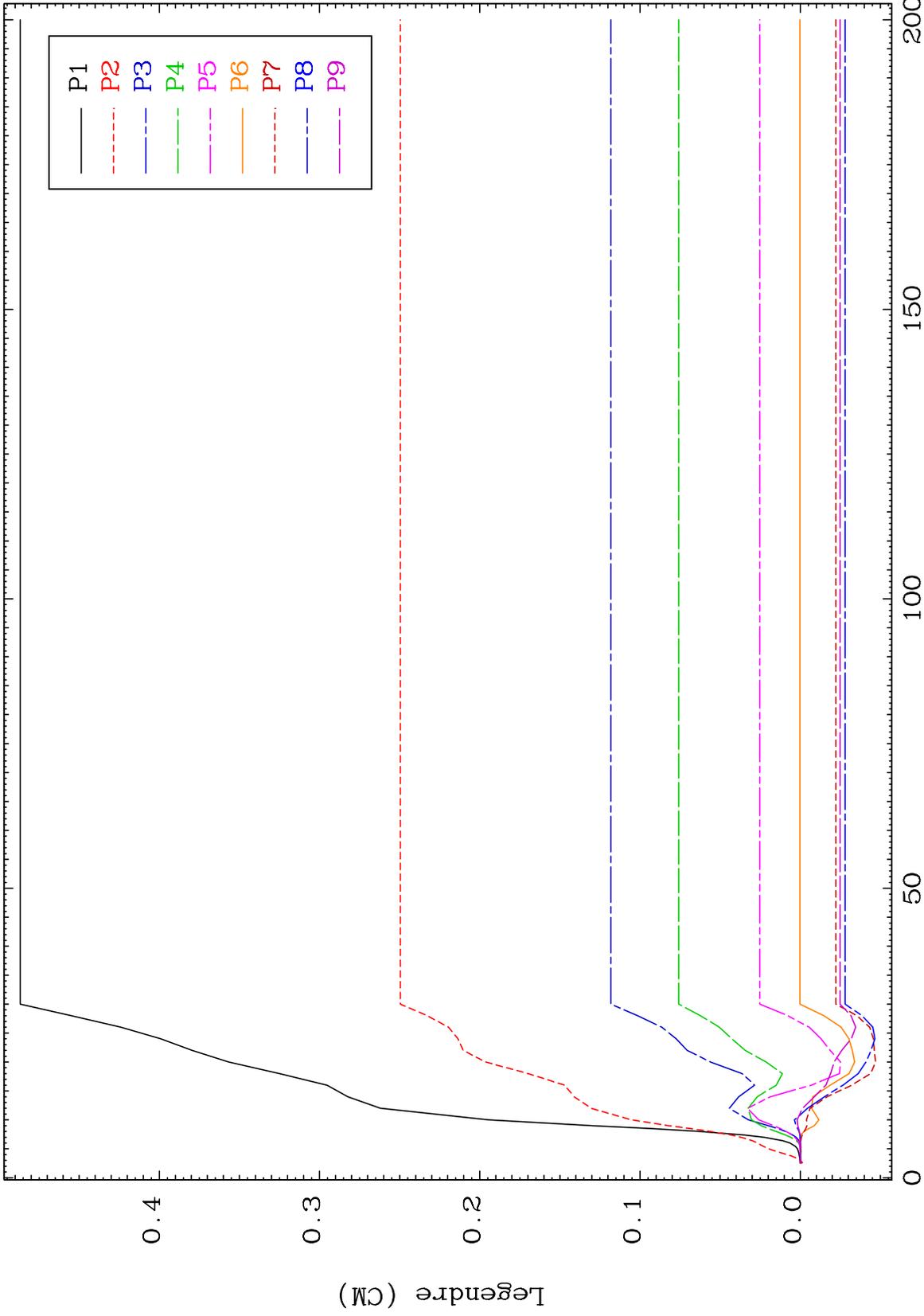
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



82

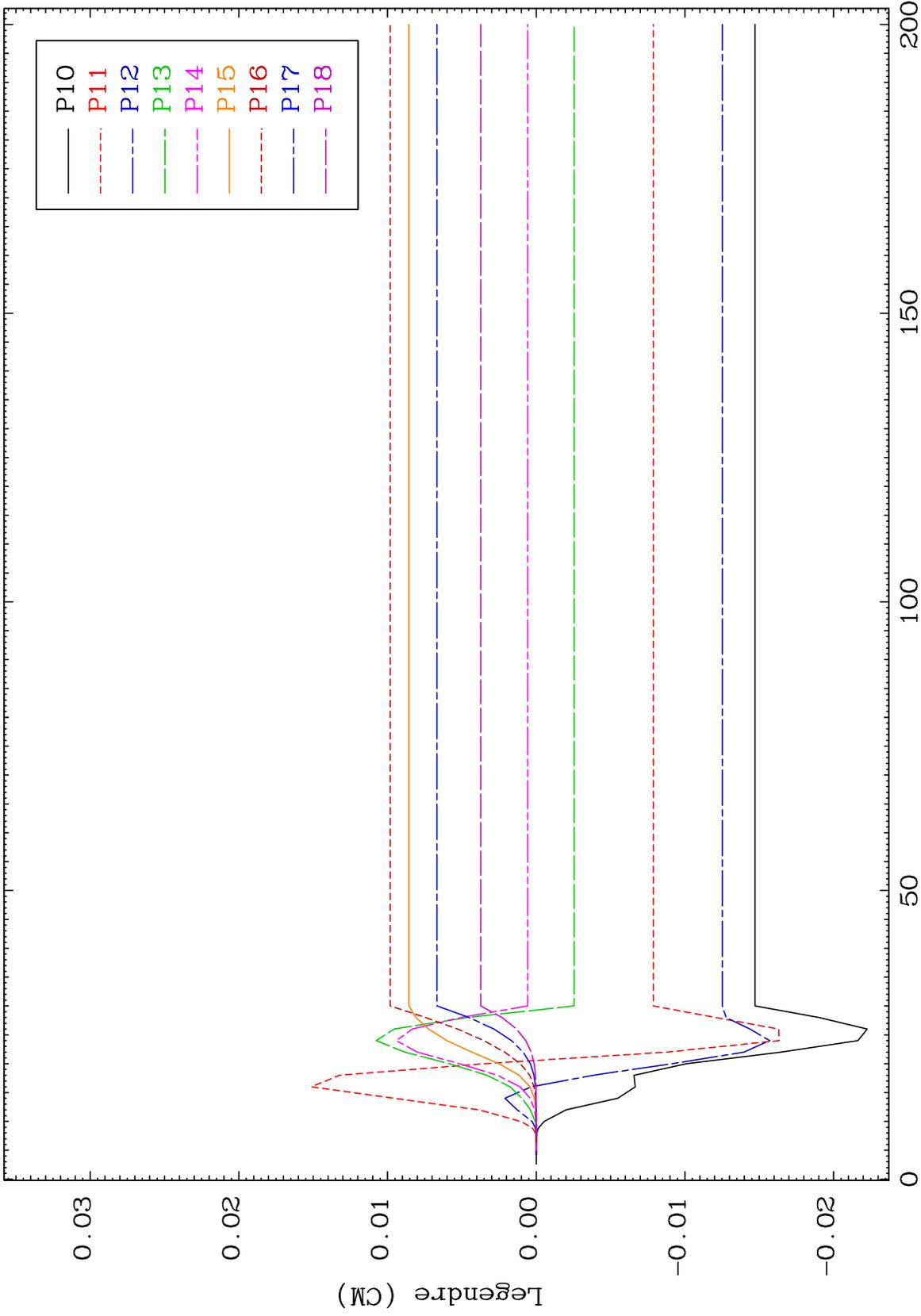
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



83

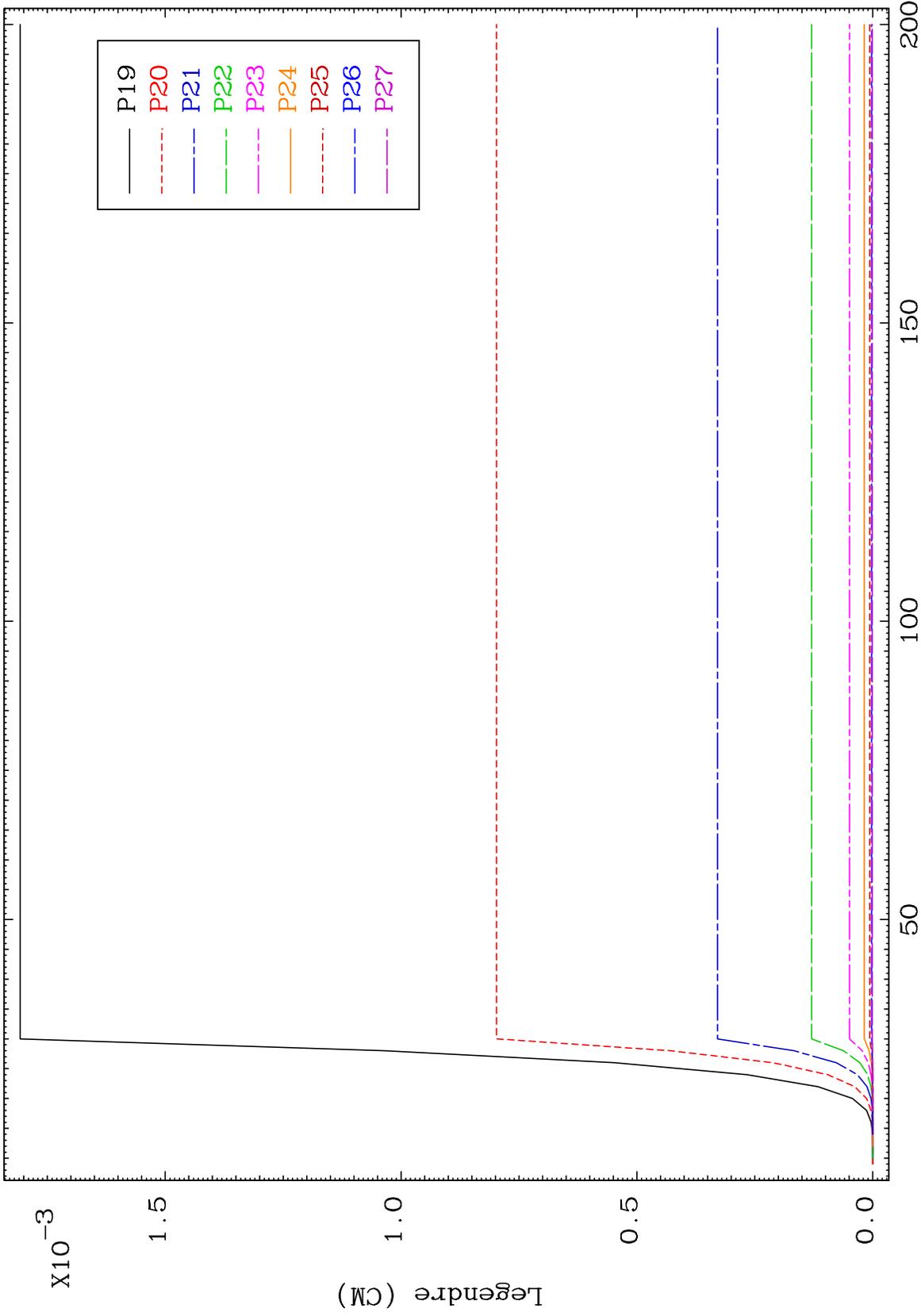
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



84

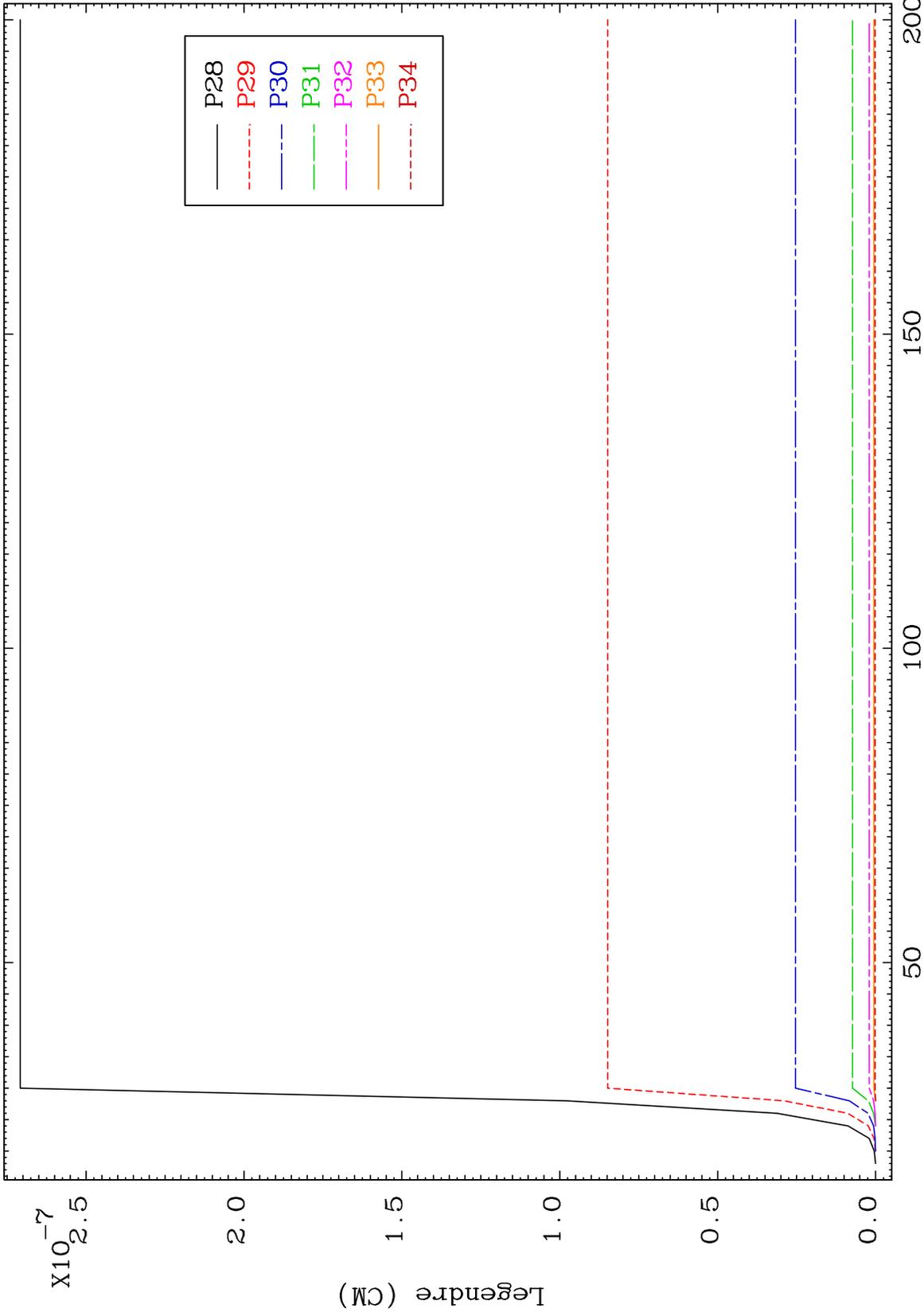
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



85

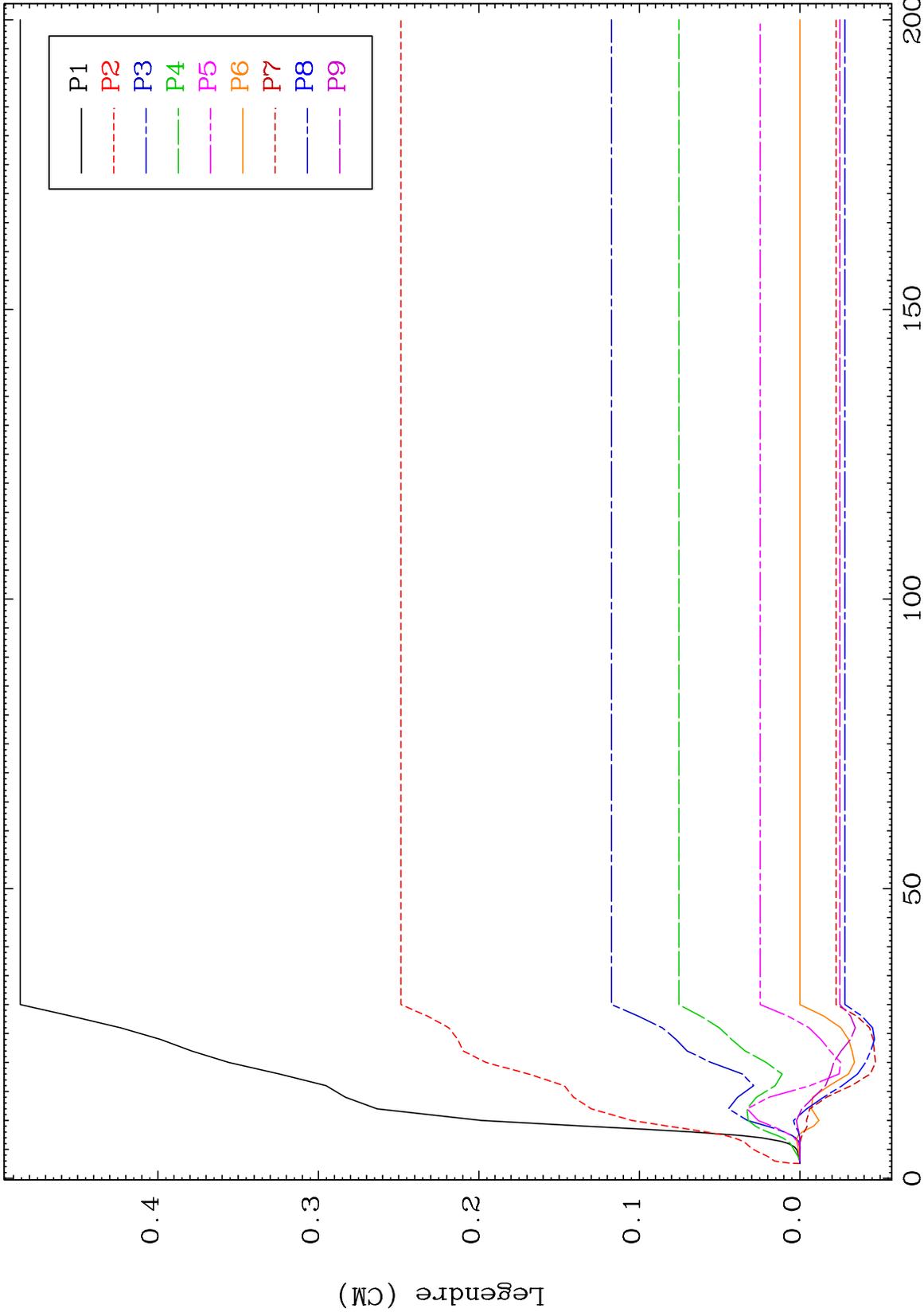
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



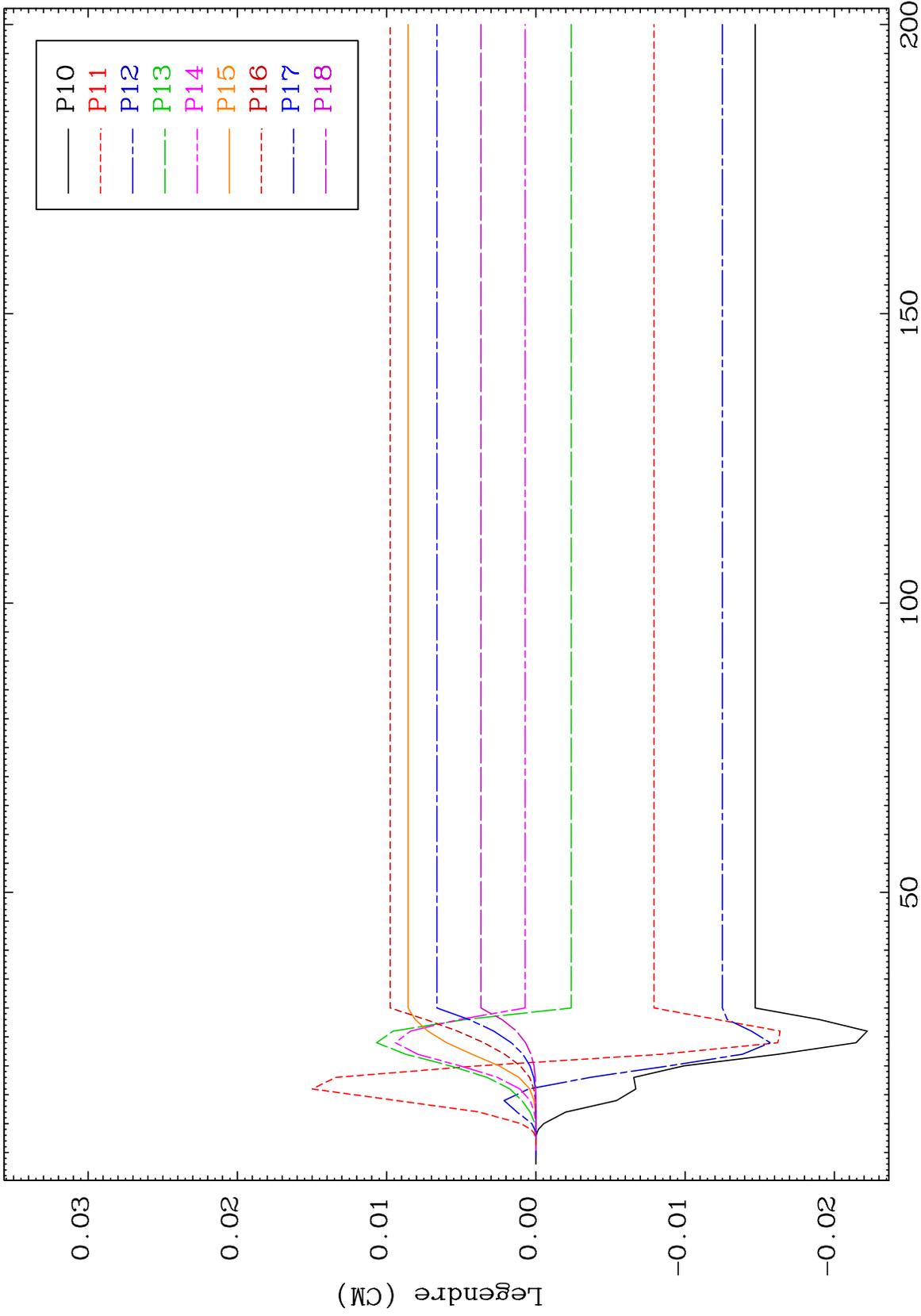
86

32-Ge-83

MAT 3264

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

32-Ge-83



87

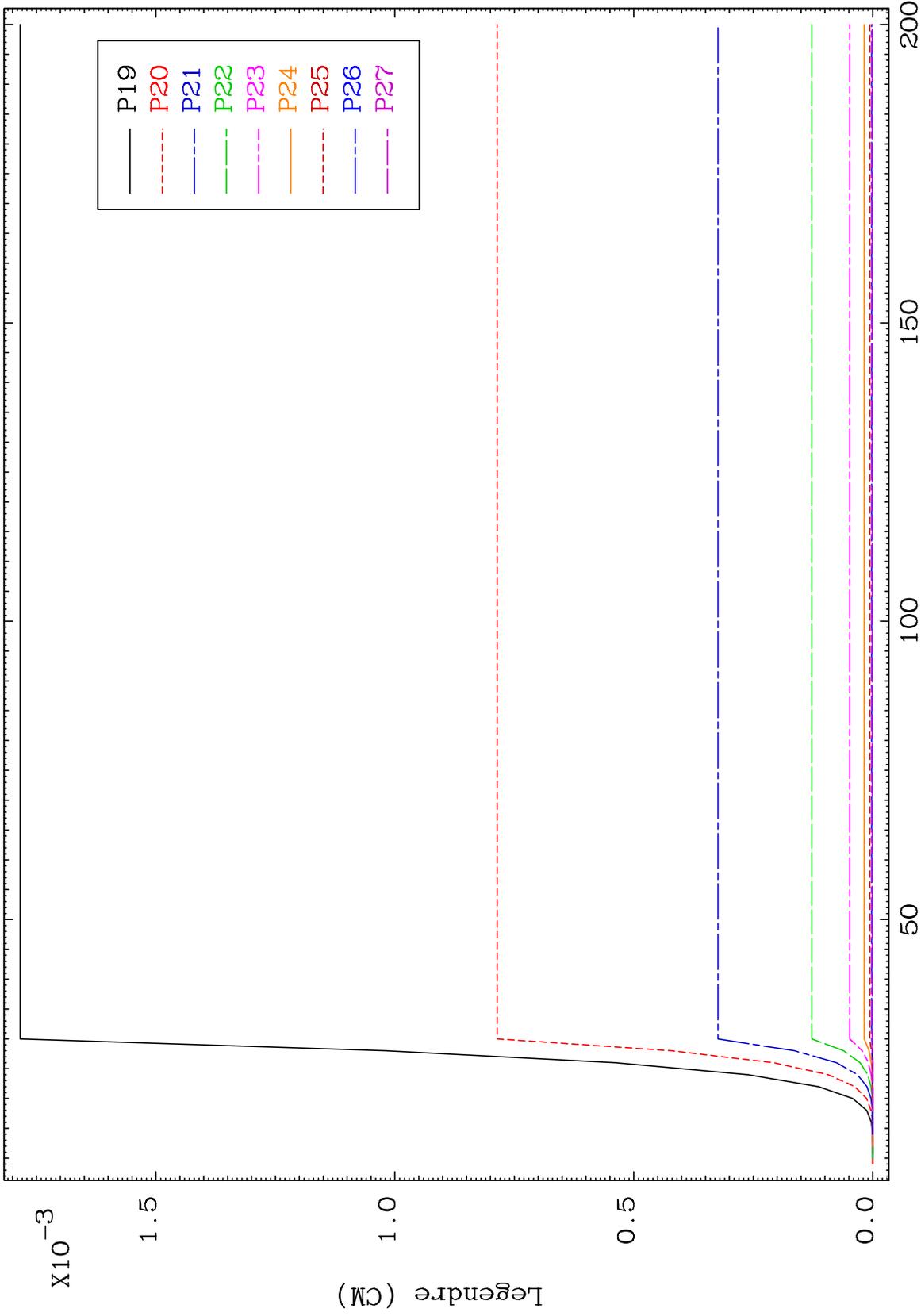
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



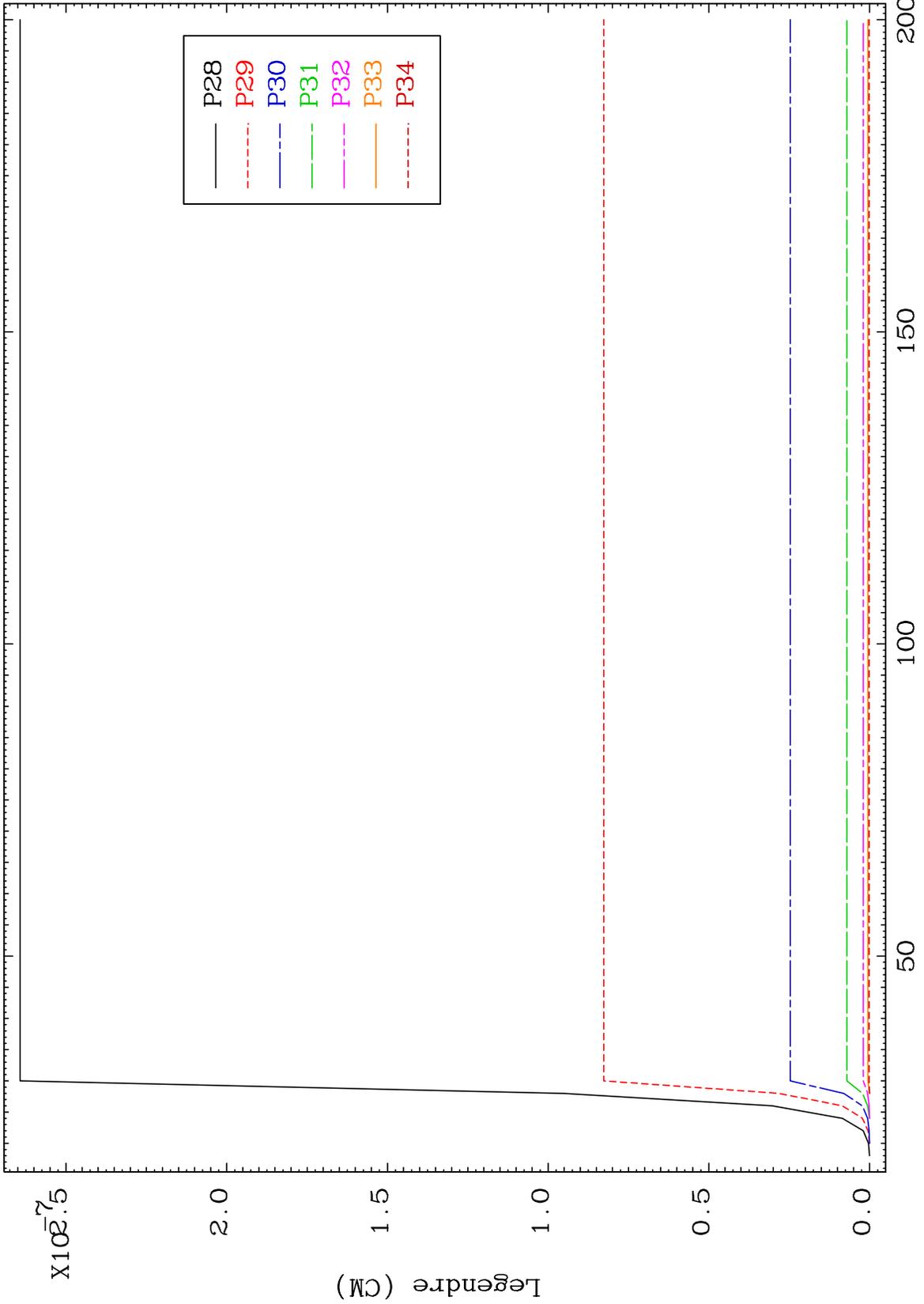
88

32-Ge-83

MAT 3264

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

32-Ge-83



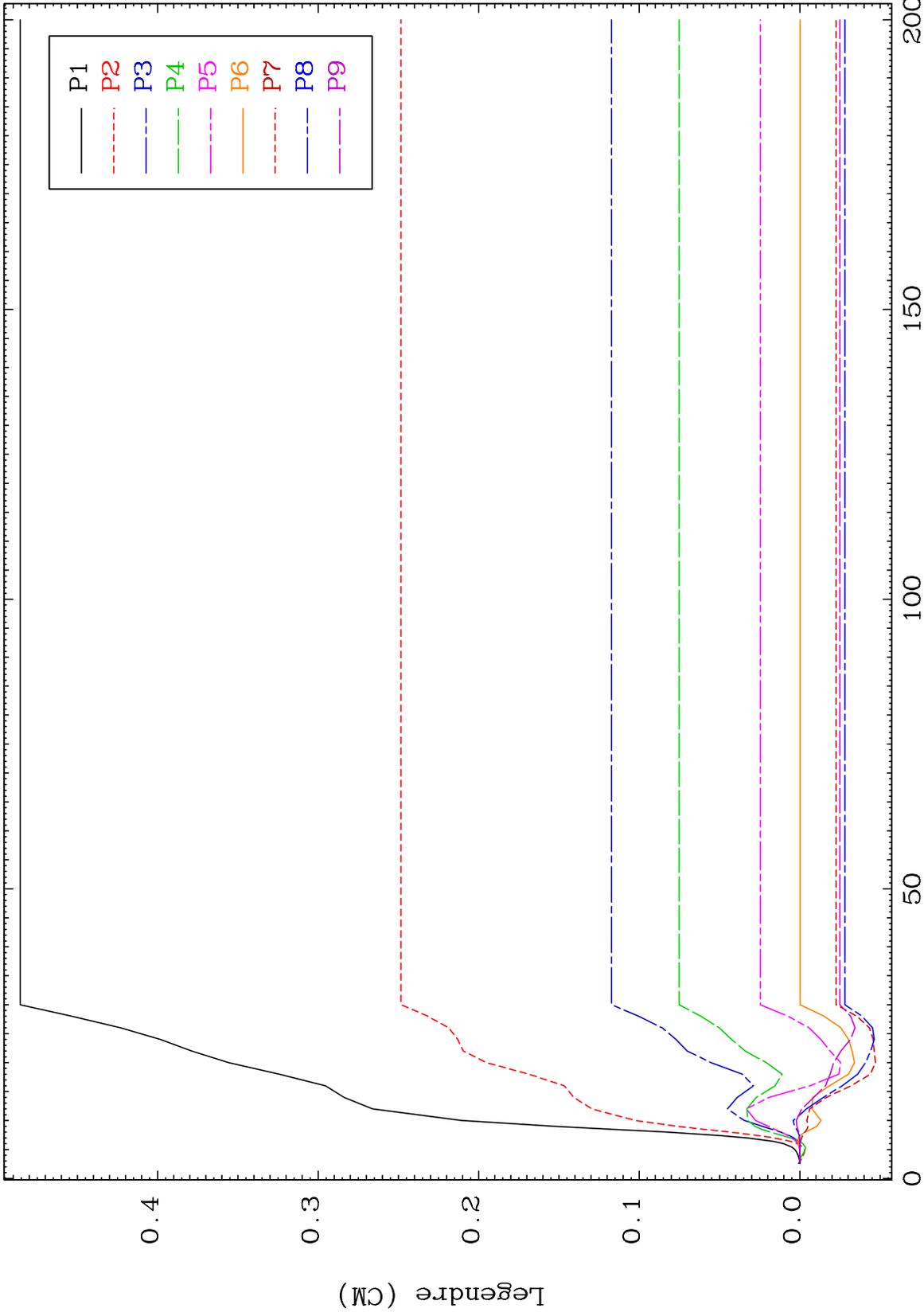
89

32-Ge-83

MAT 3264

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

32-Ge-83



90

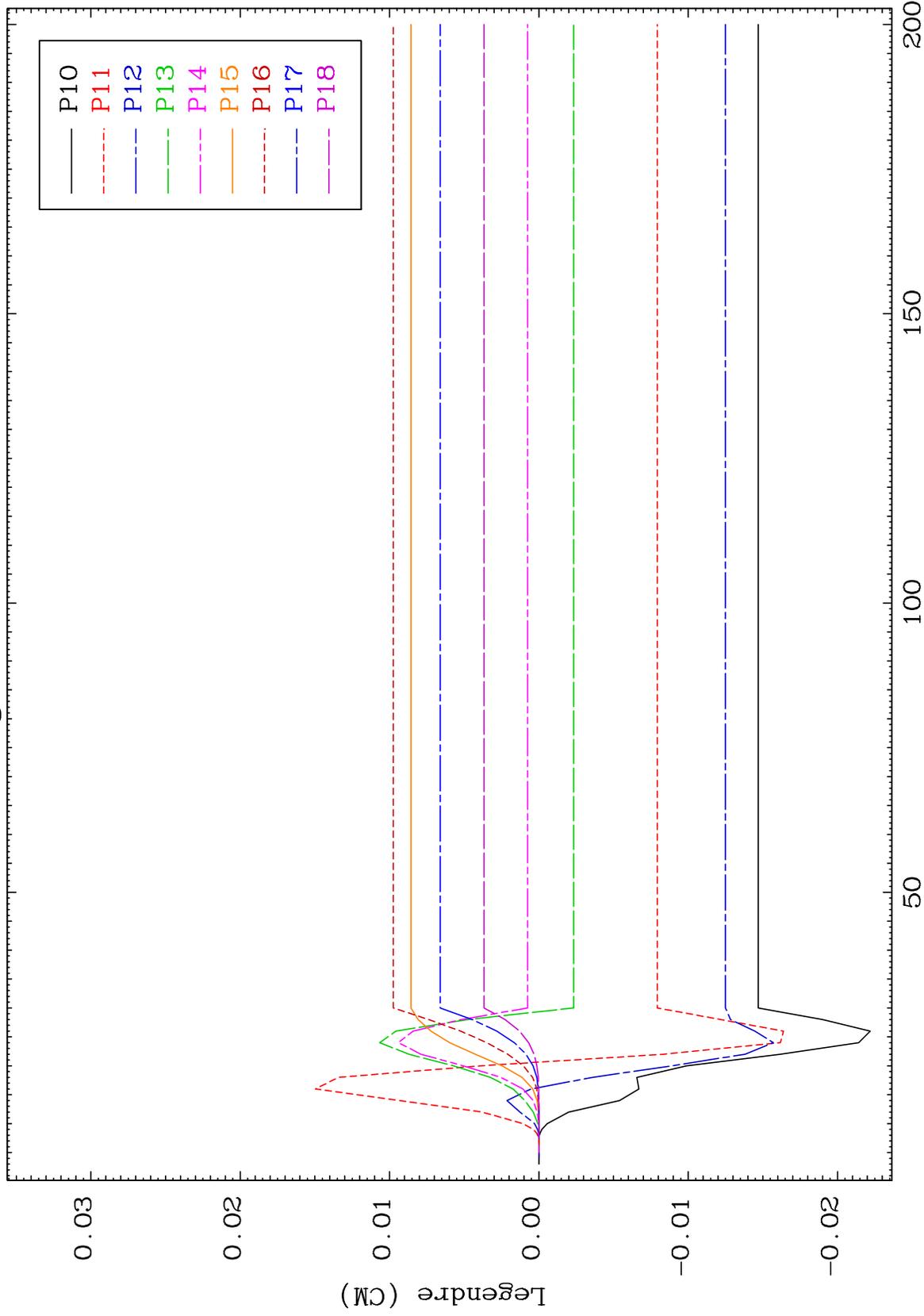
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



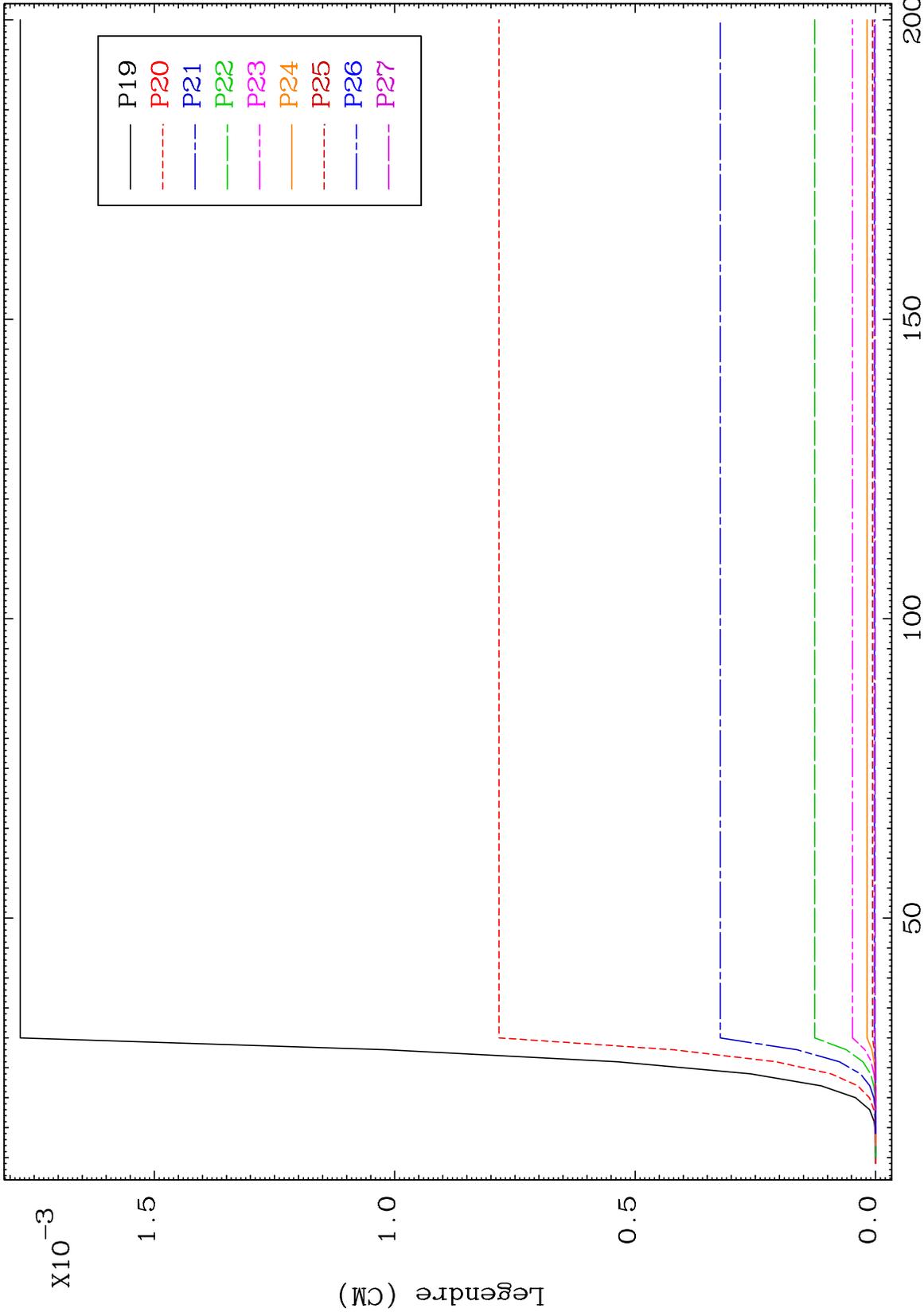
91

32-Ge-83

MAT 3264

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

32-Ge-83



92

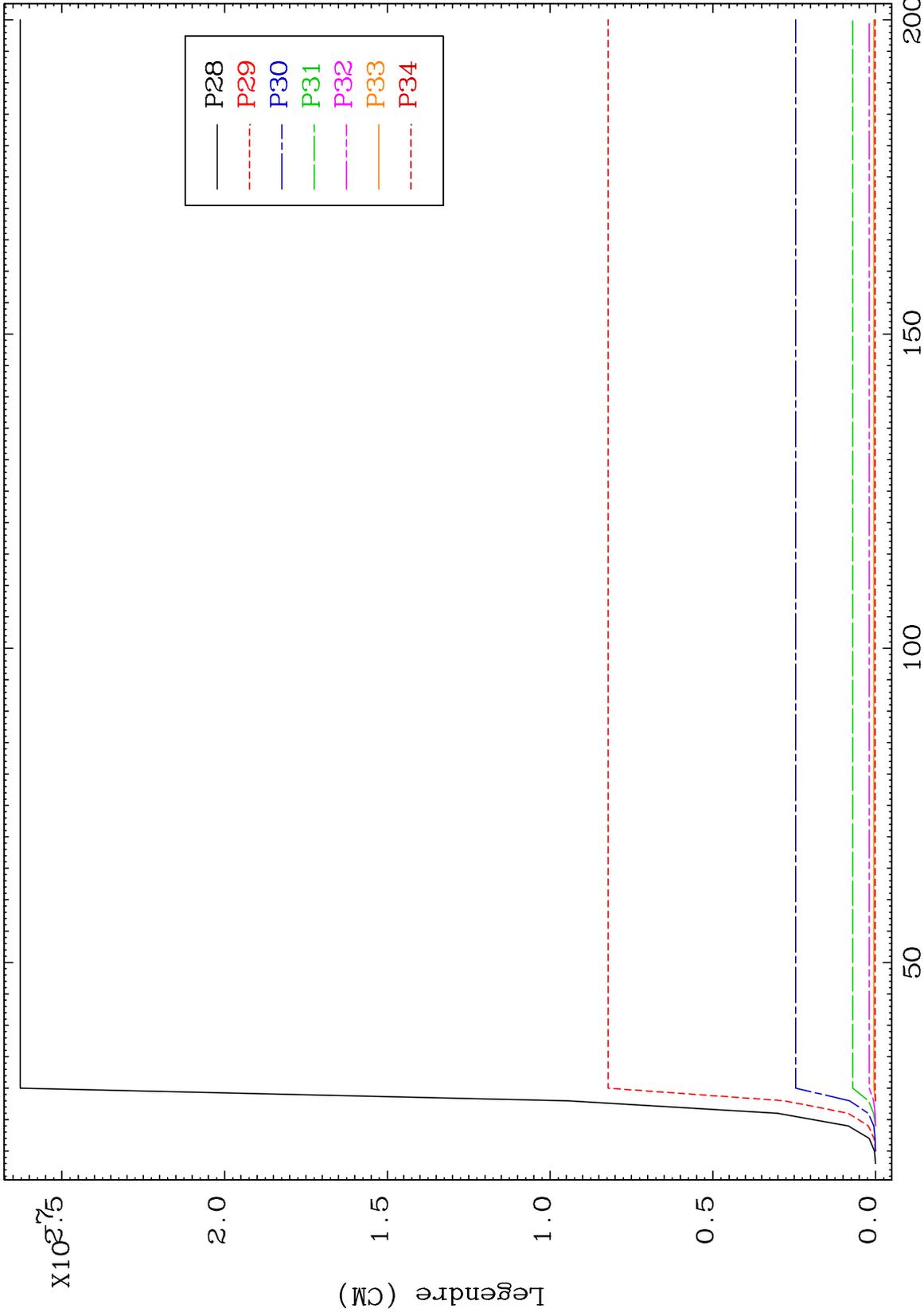
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



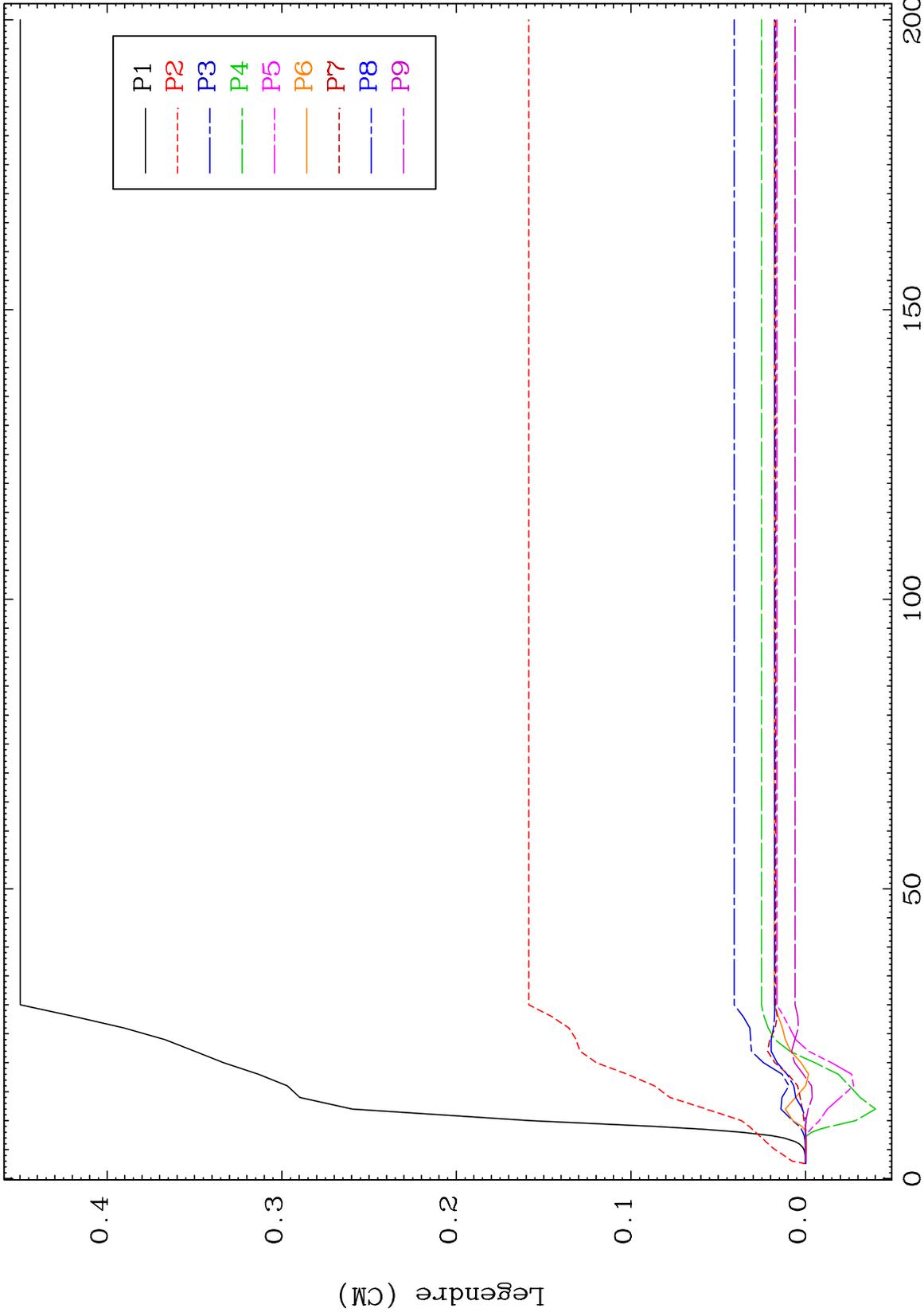
93

32-Ge-83

MAT 3264

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

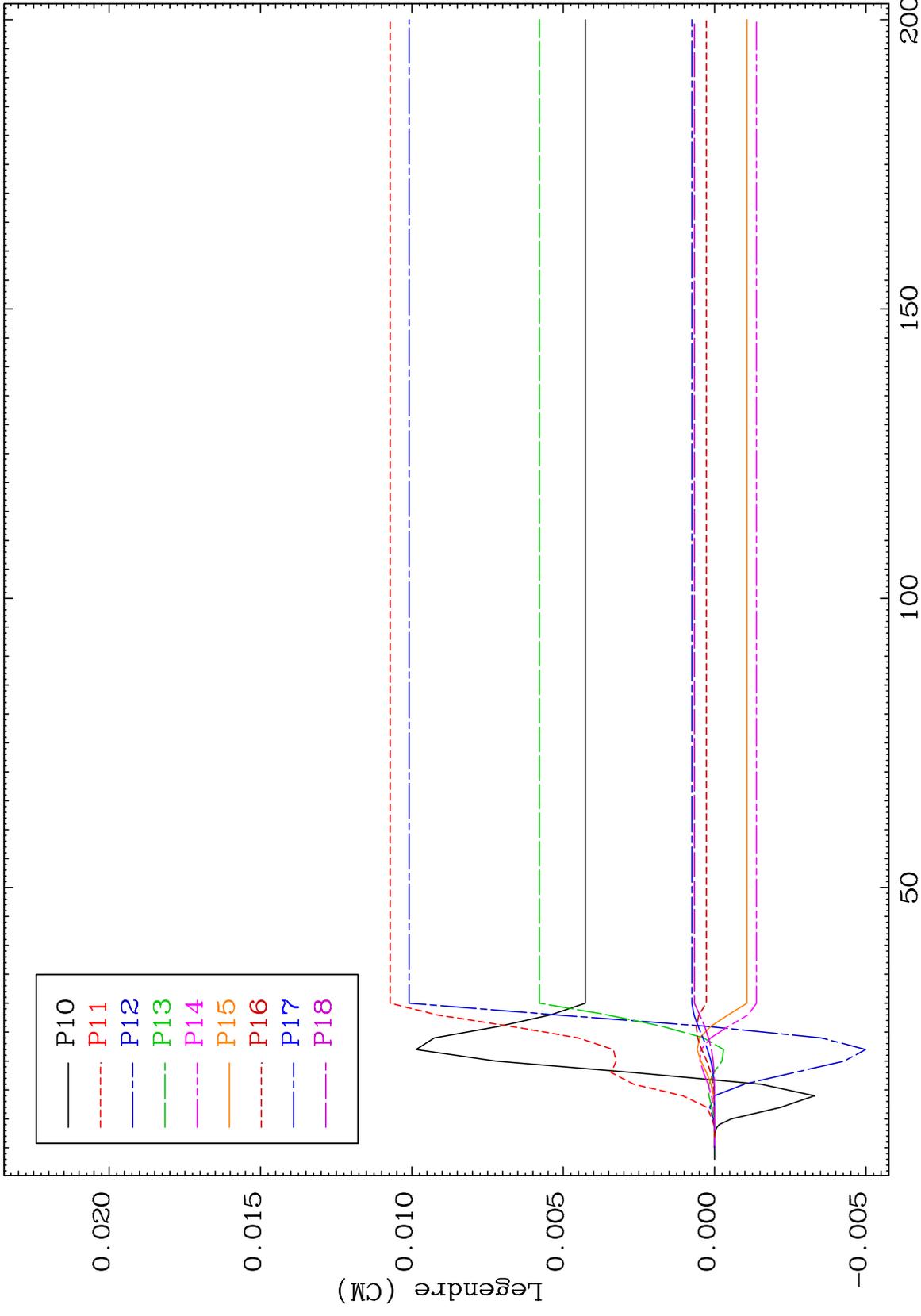
32-Ge-83



94

Incident Energy (MeV)

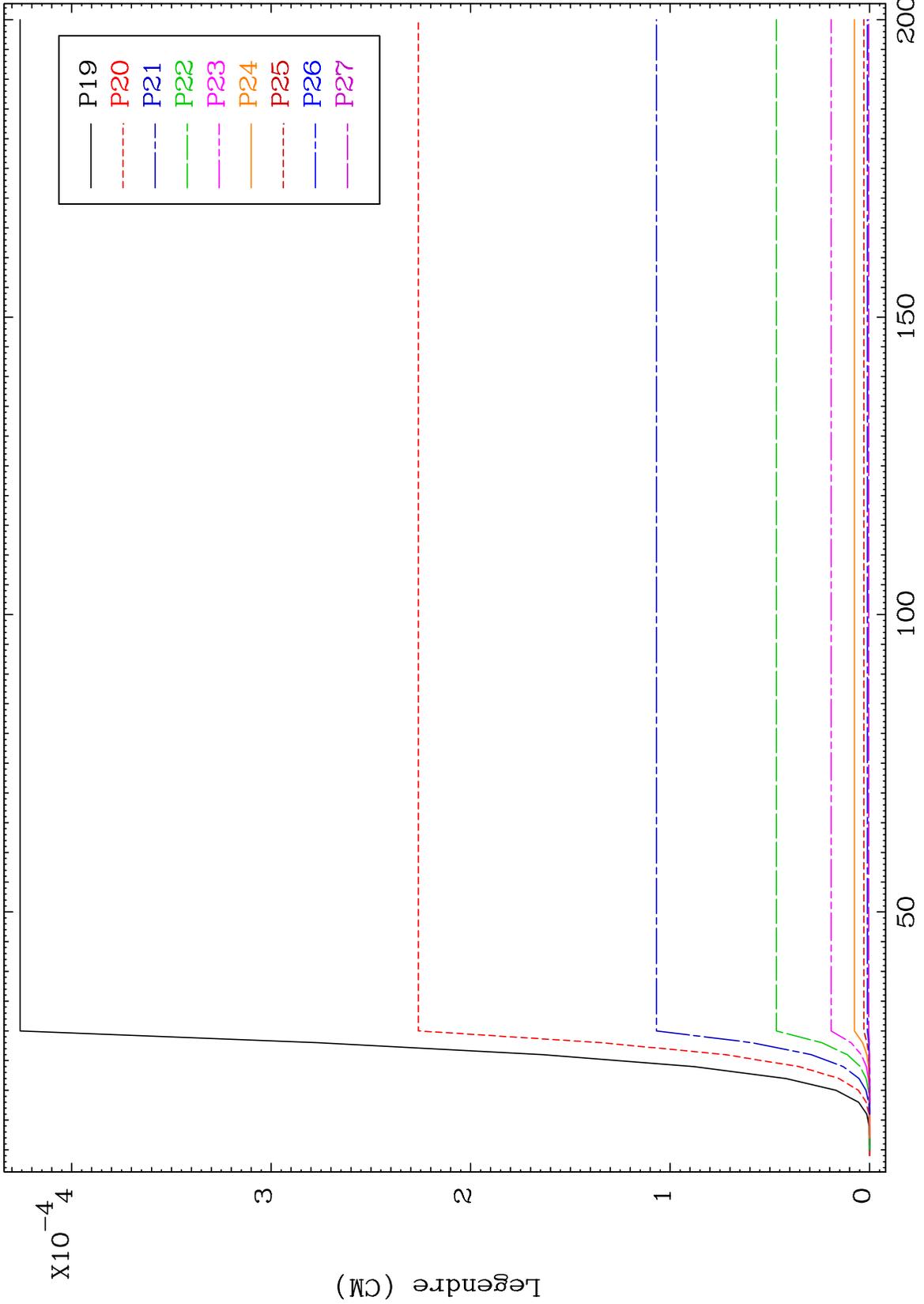
32-Ge-83



MAT 3264

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

32-Ge-83



96

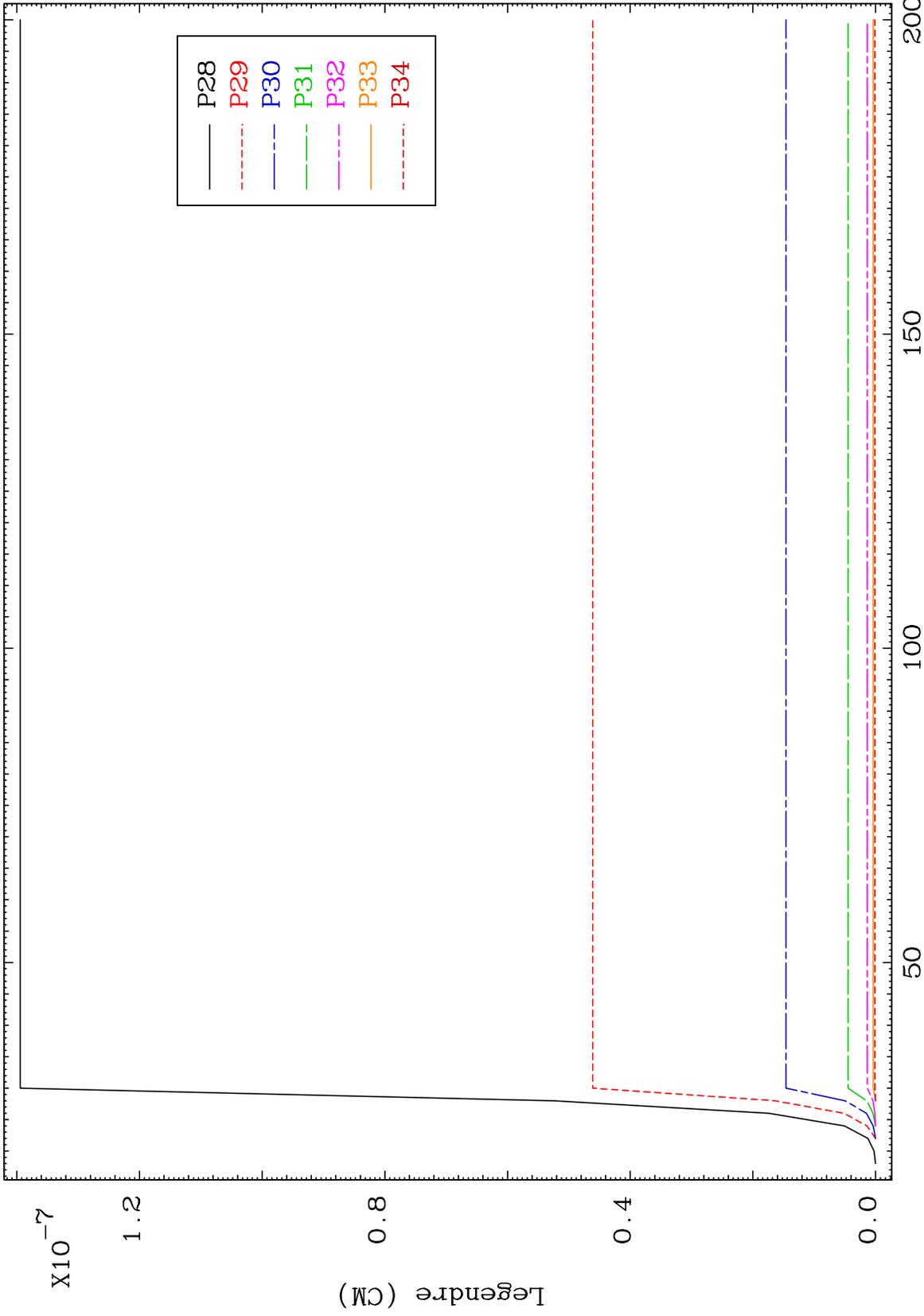
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



97

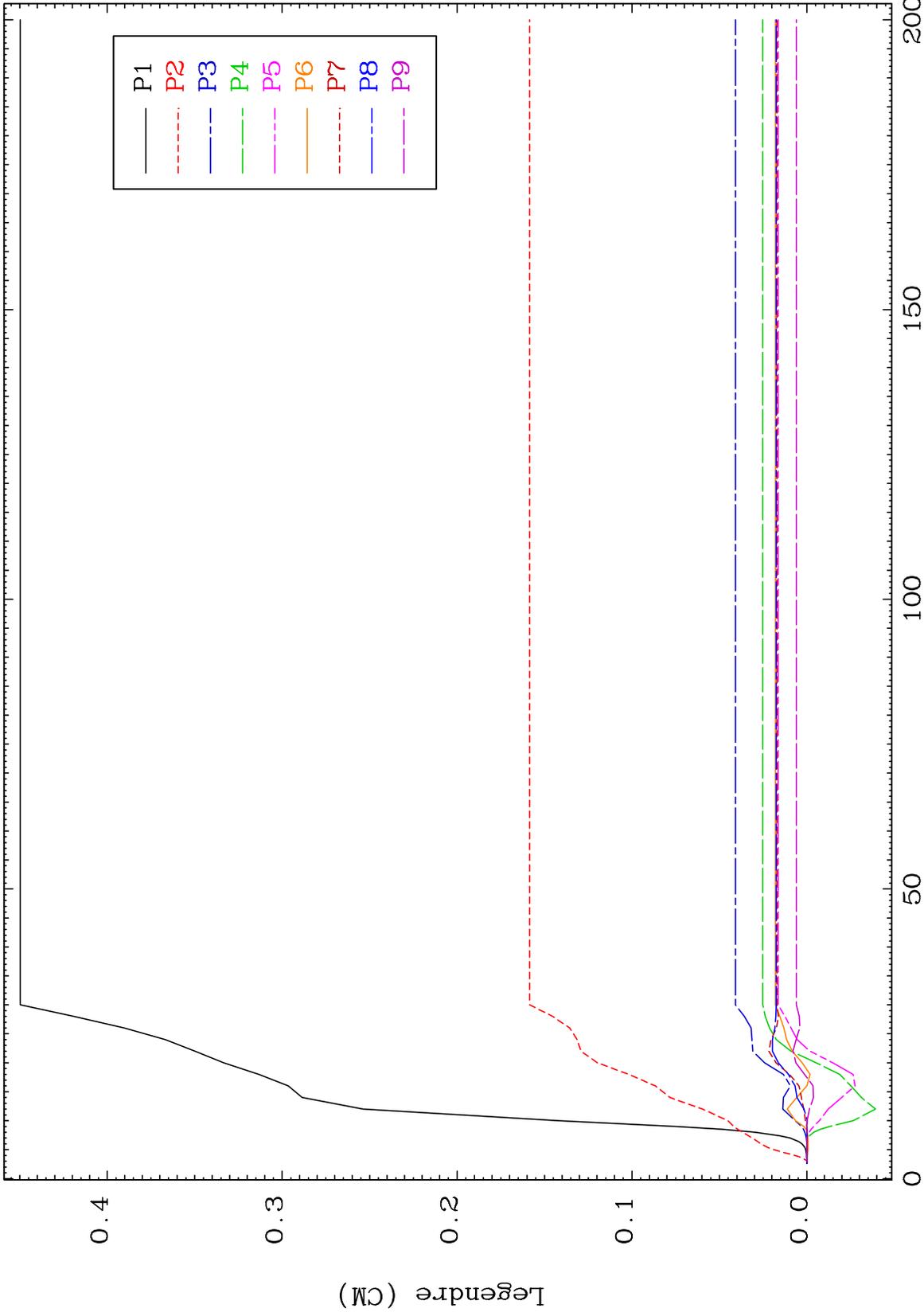
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



98

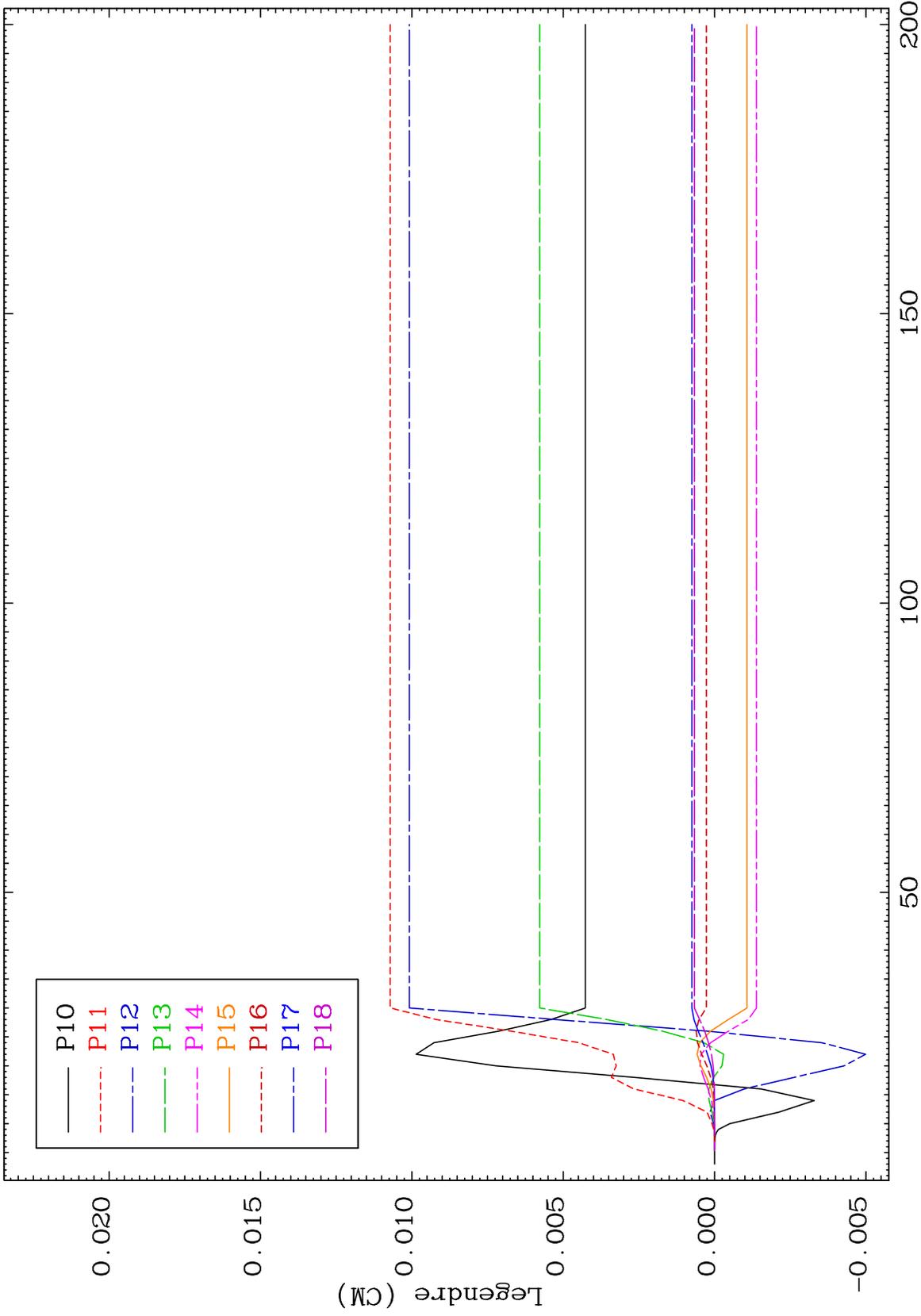
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



99

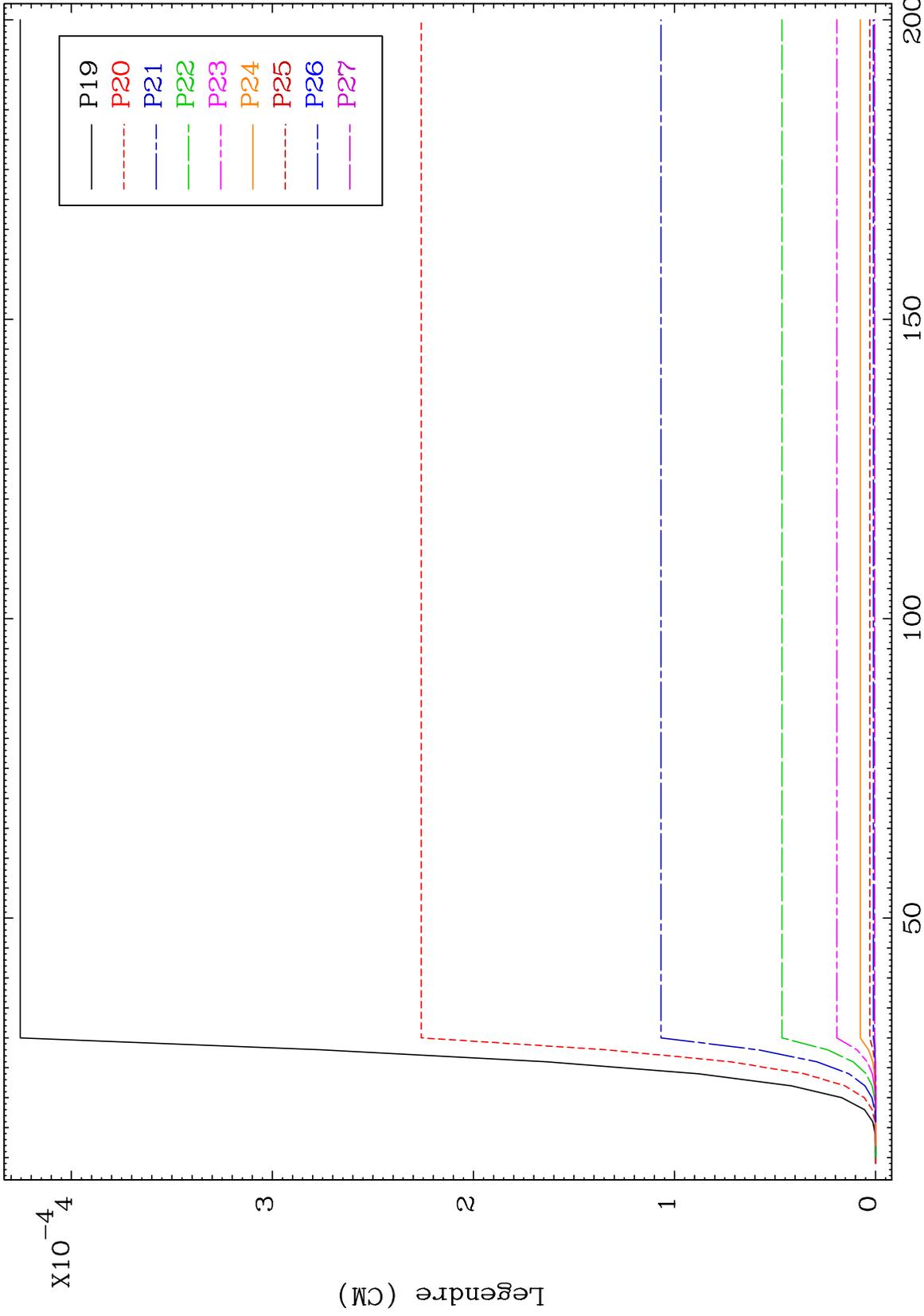
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



100

50

100

150

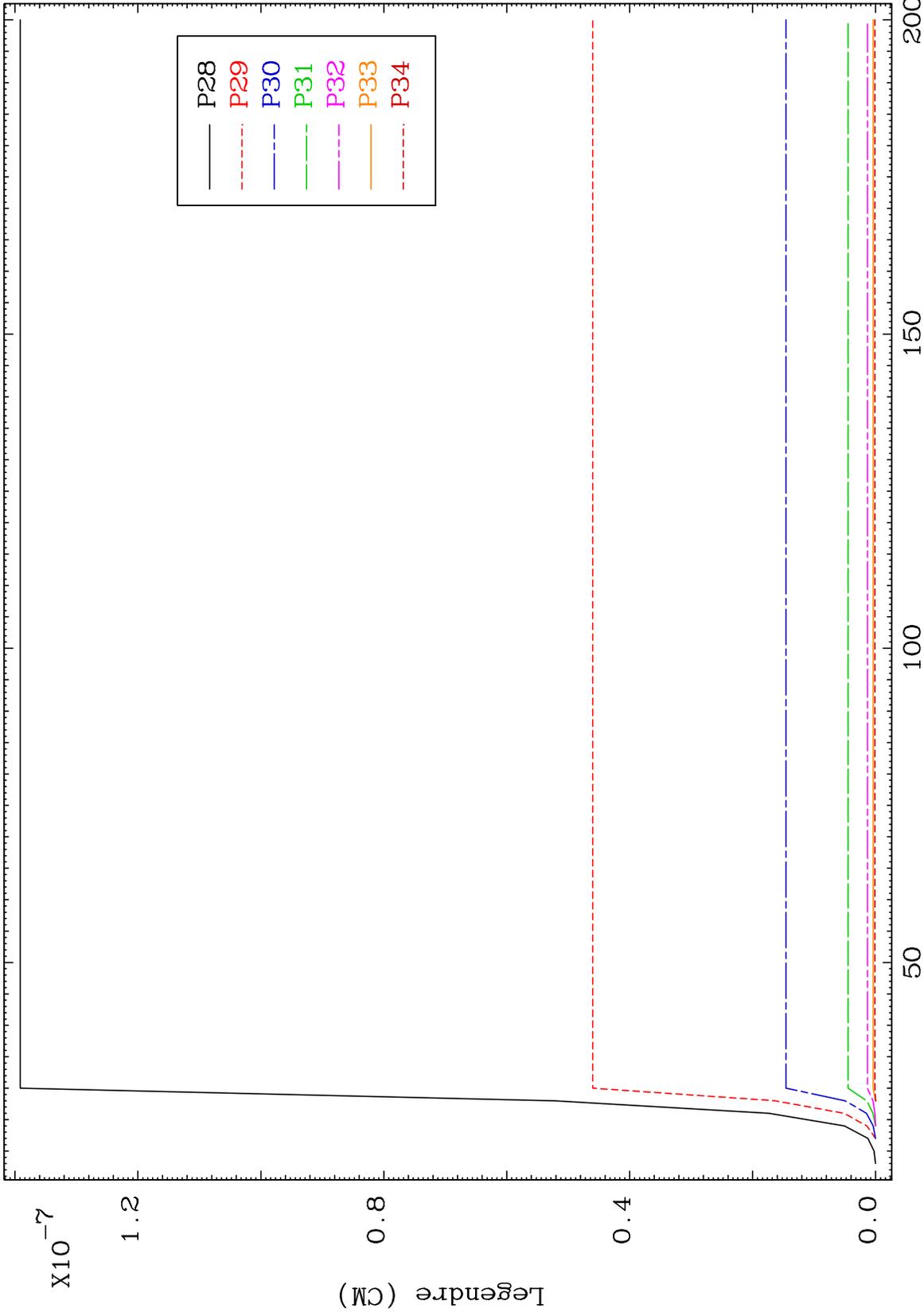
200

32-Ge-83

MAT 3264

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

32-Ge-83



101

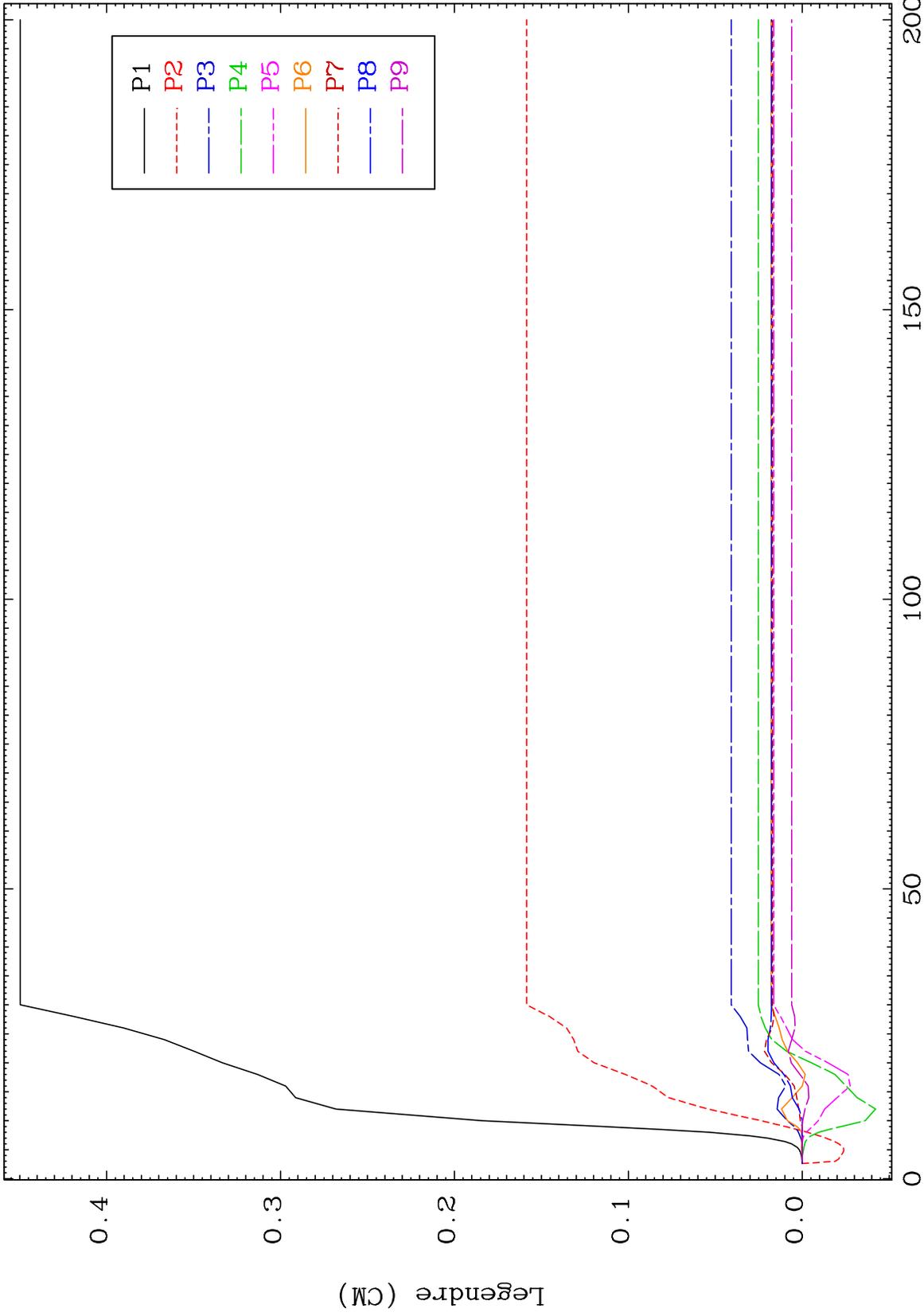
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

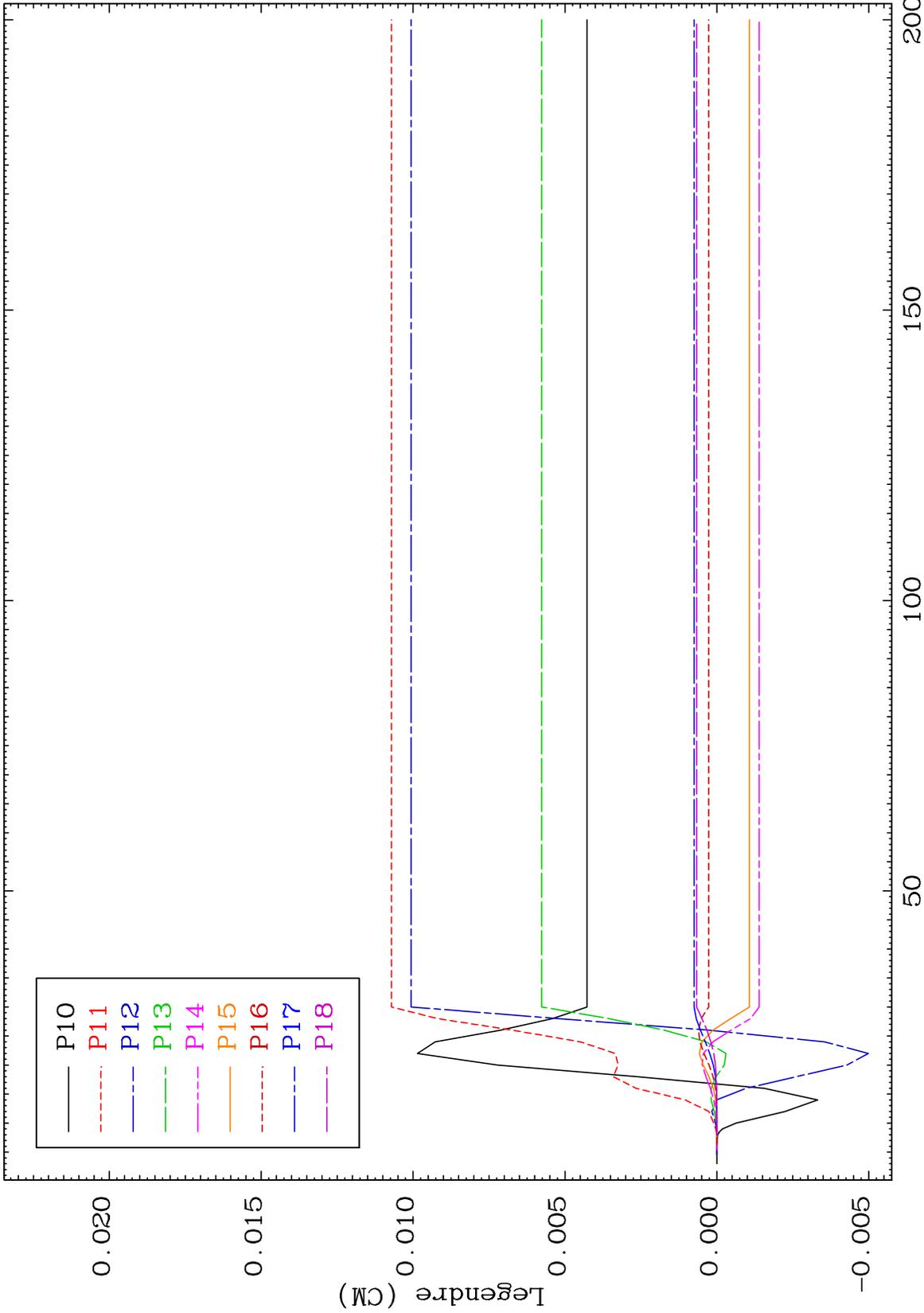
32-Ge-83



102

Incident Energy (MeV)

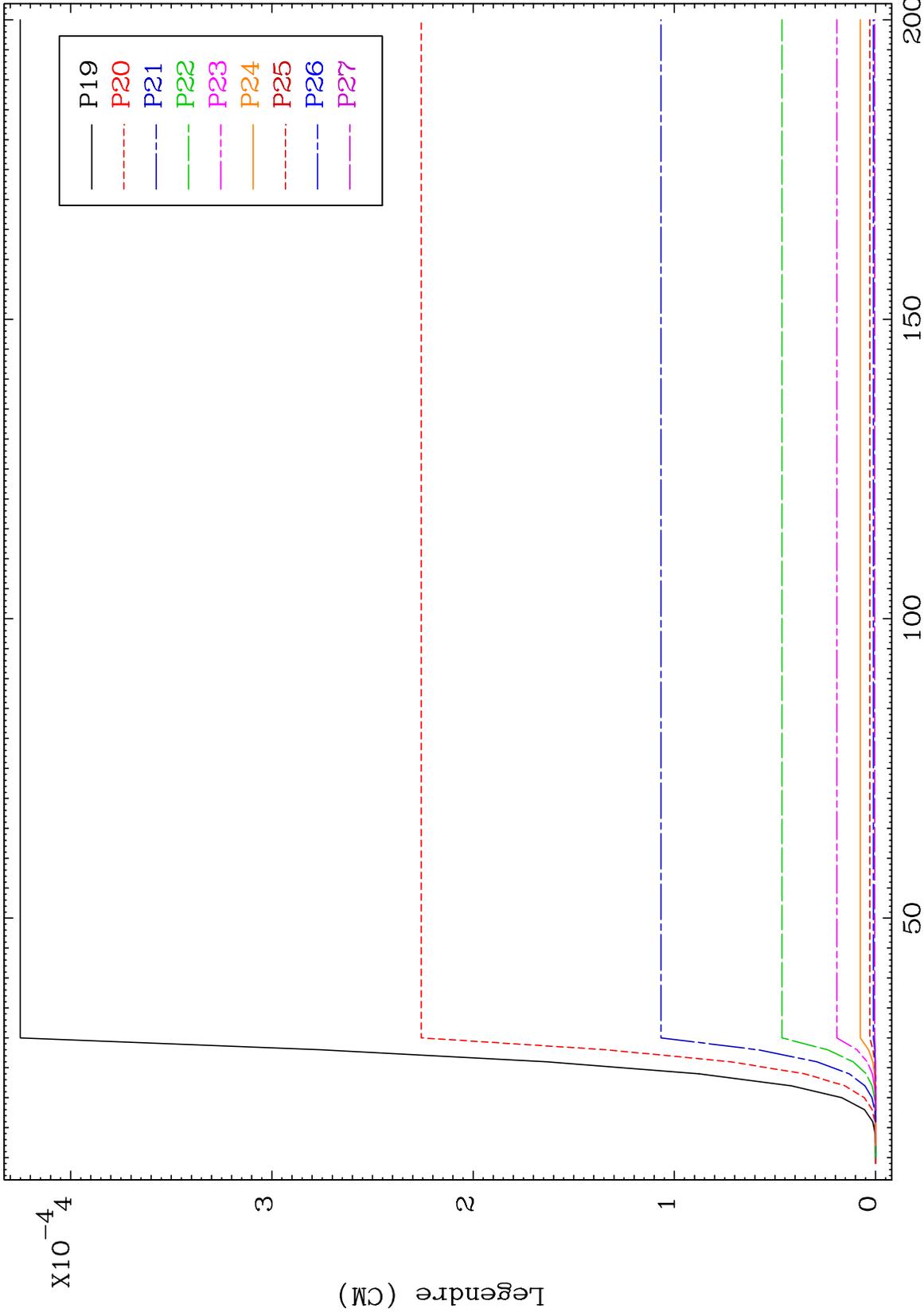
32-Ge-83



MAT 3264

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

32-Ge-83



104

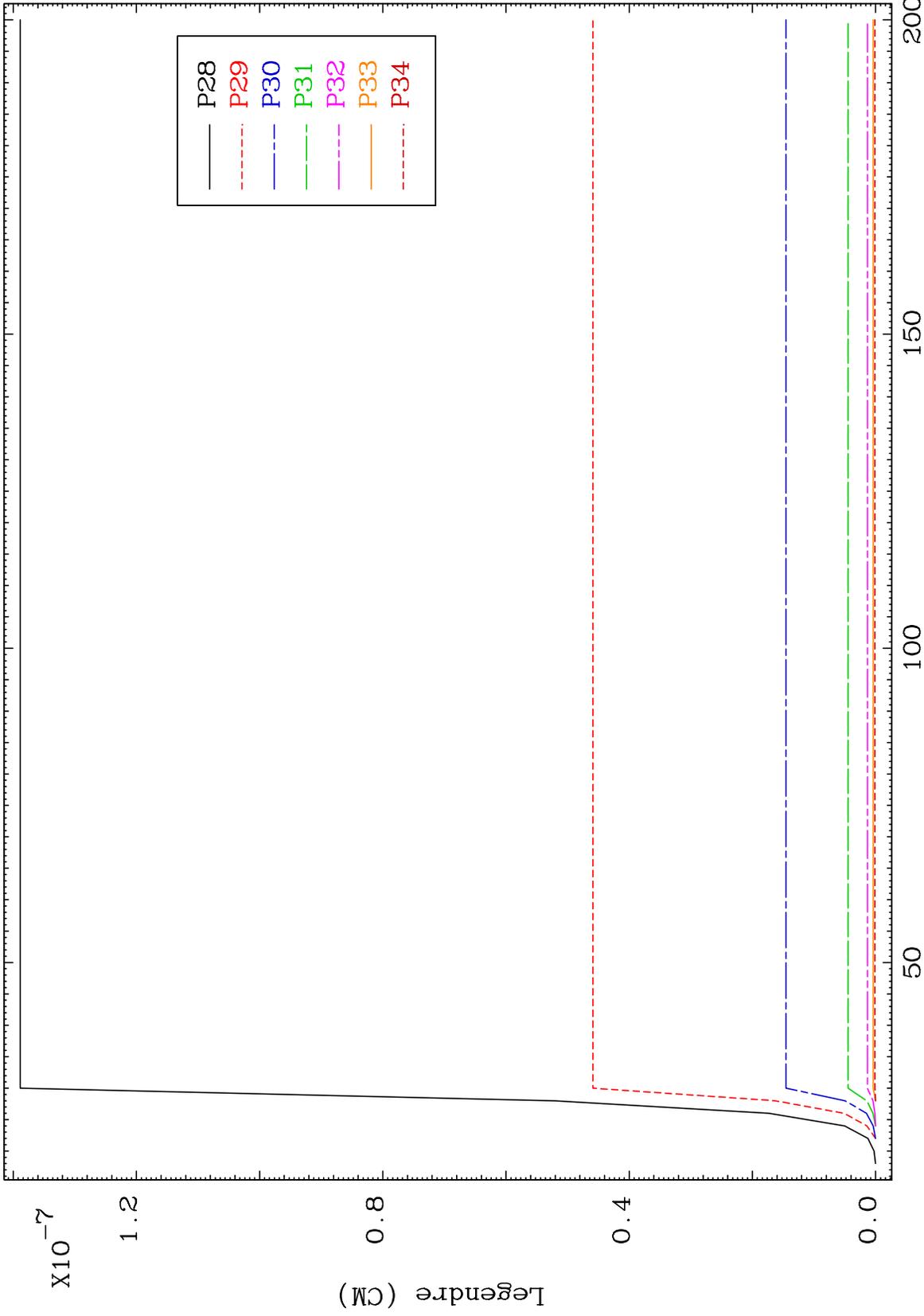
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



105

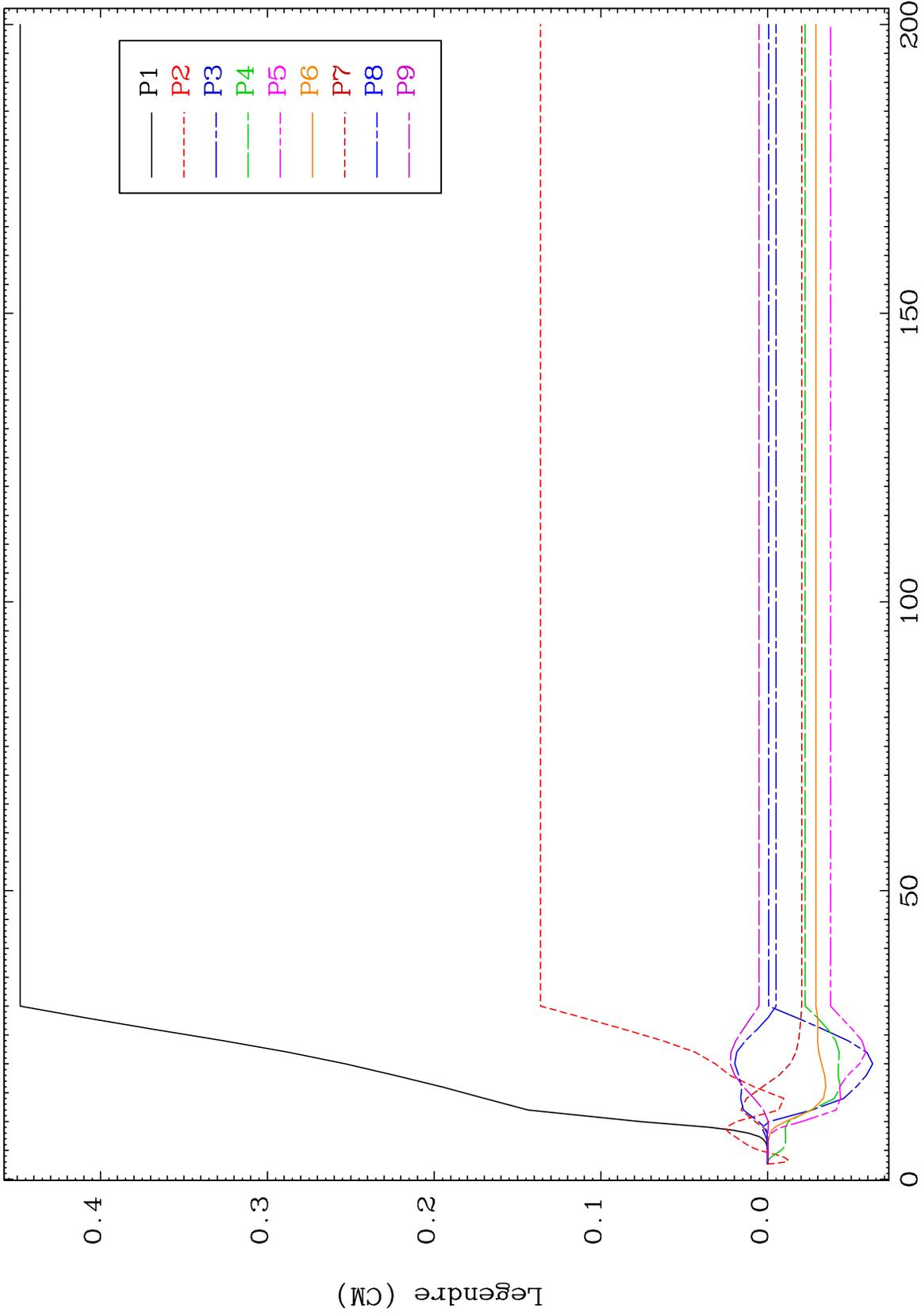
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



106

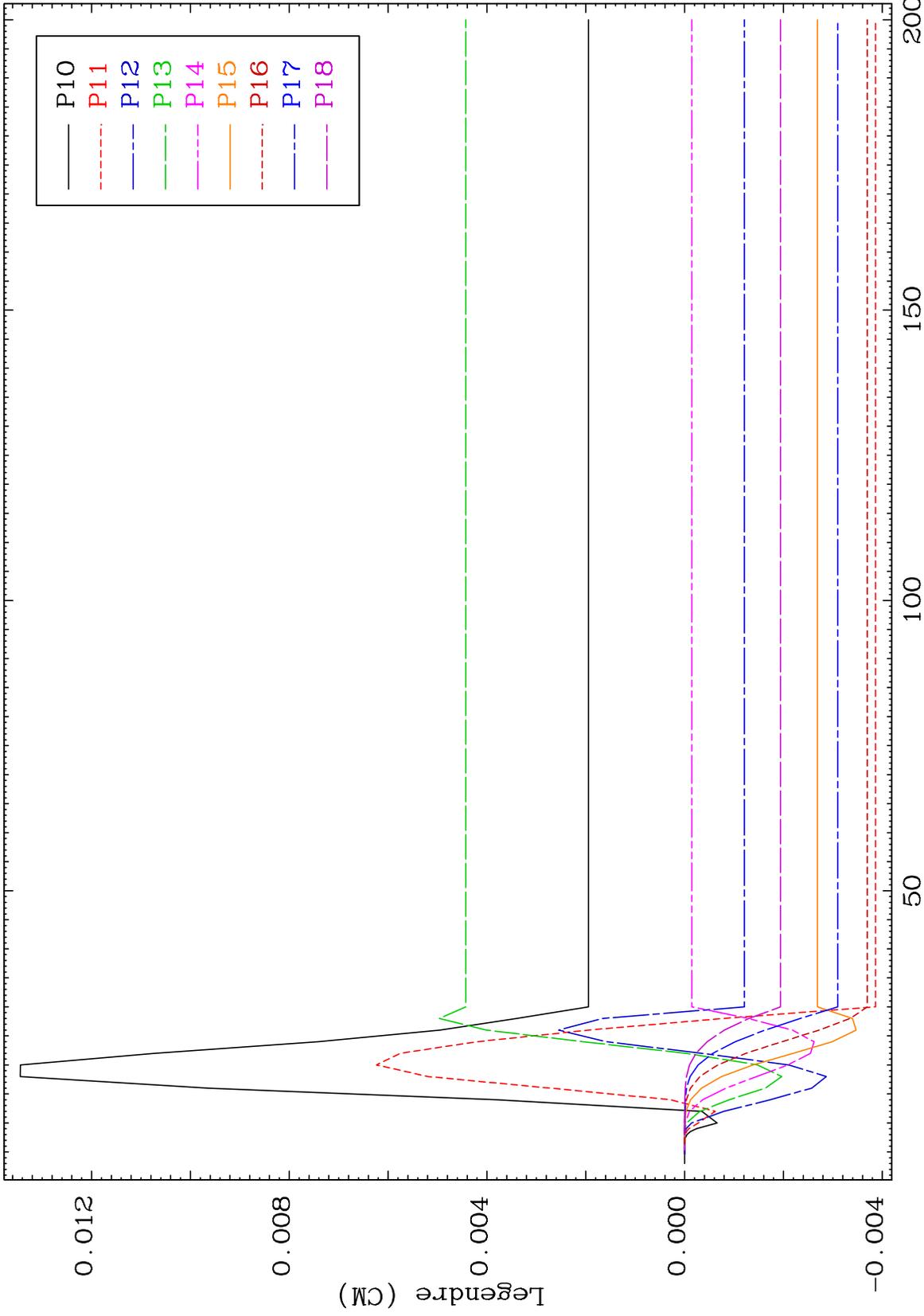
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



107

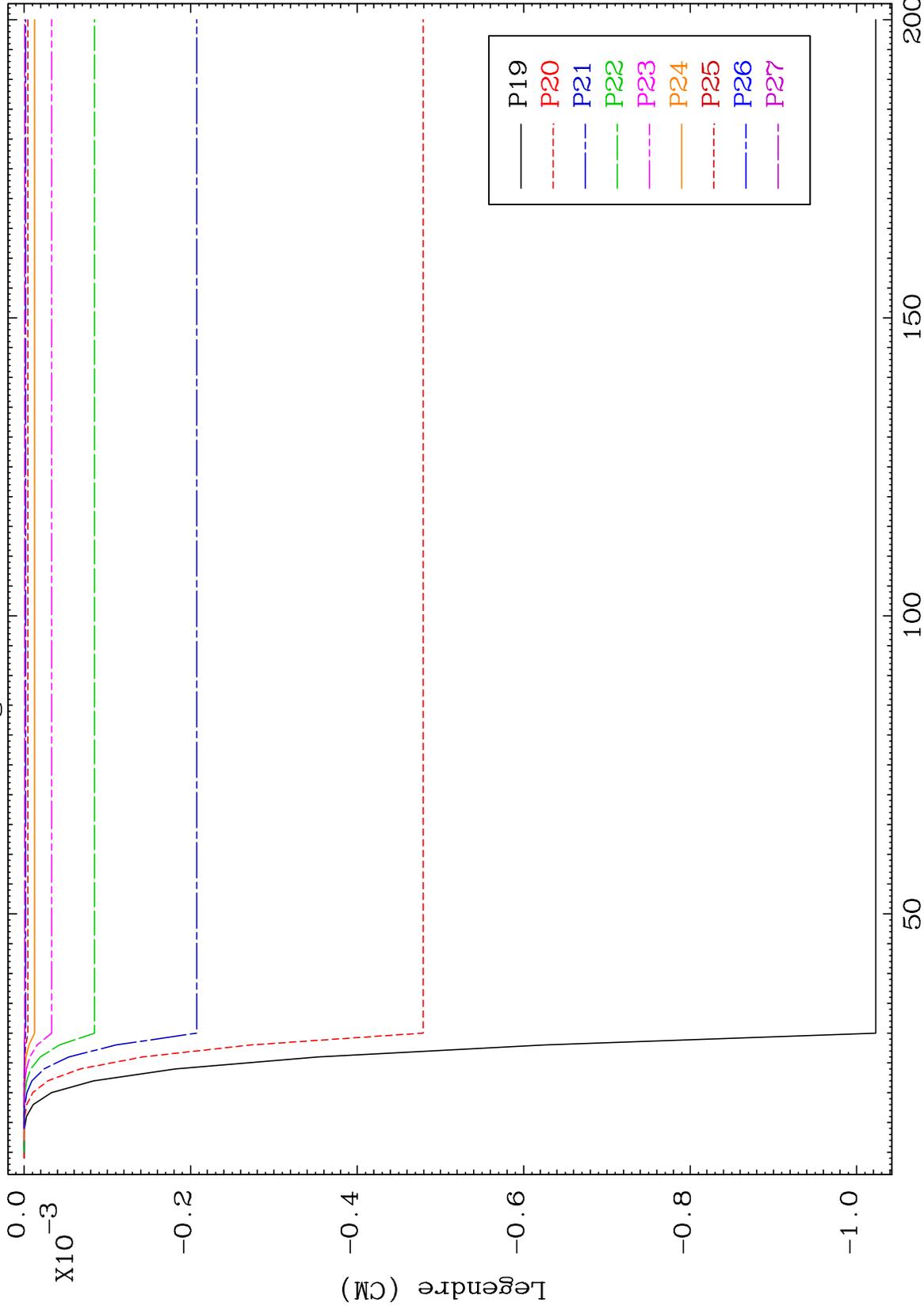
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



108

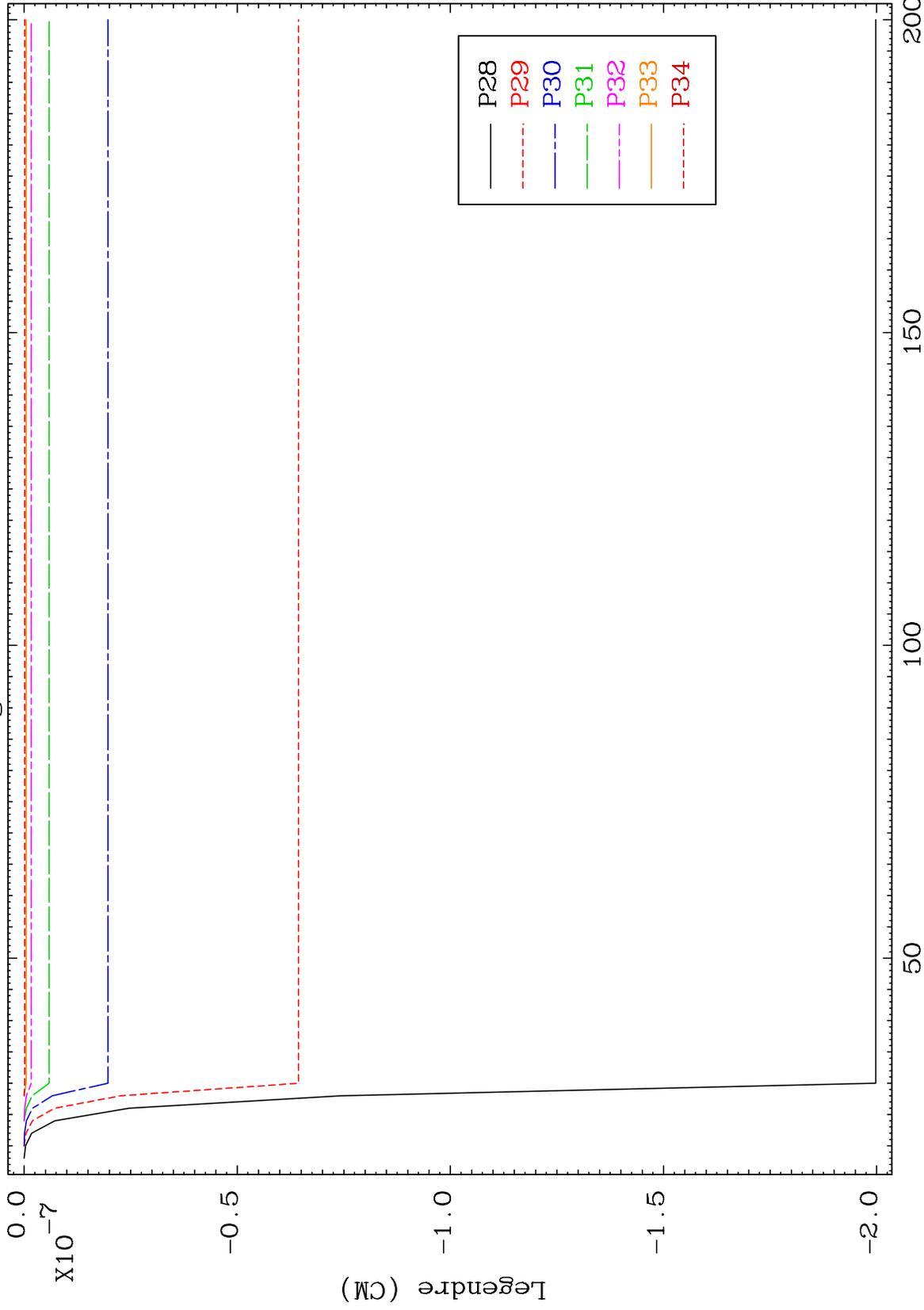
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



109

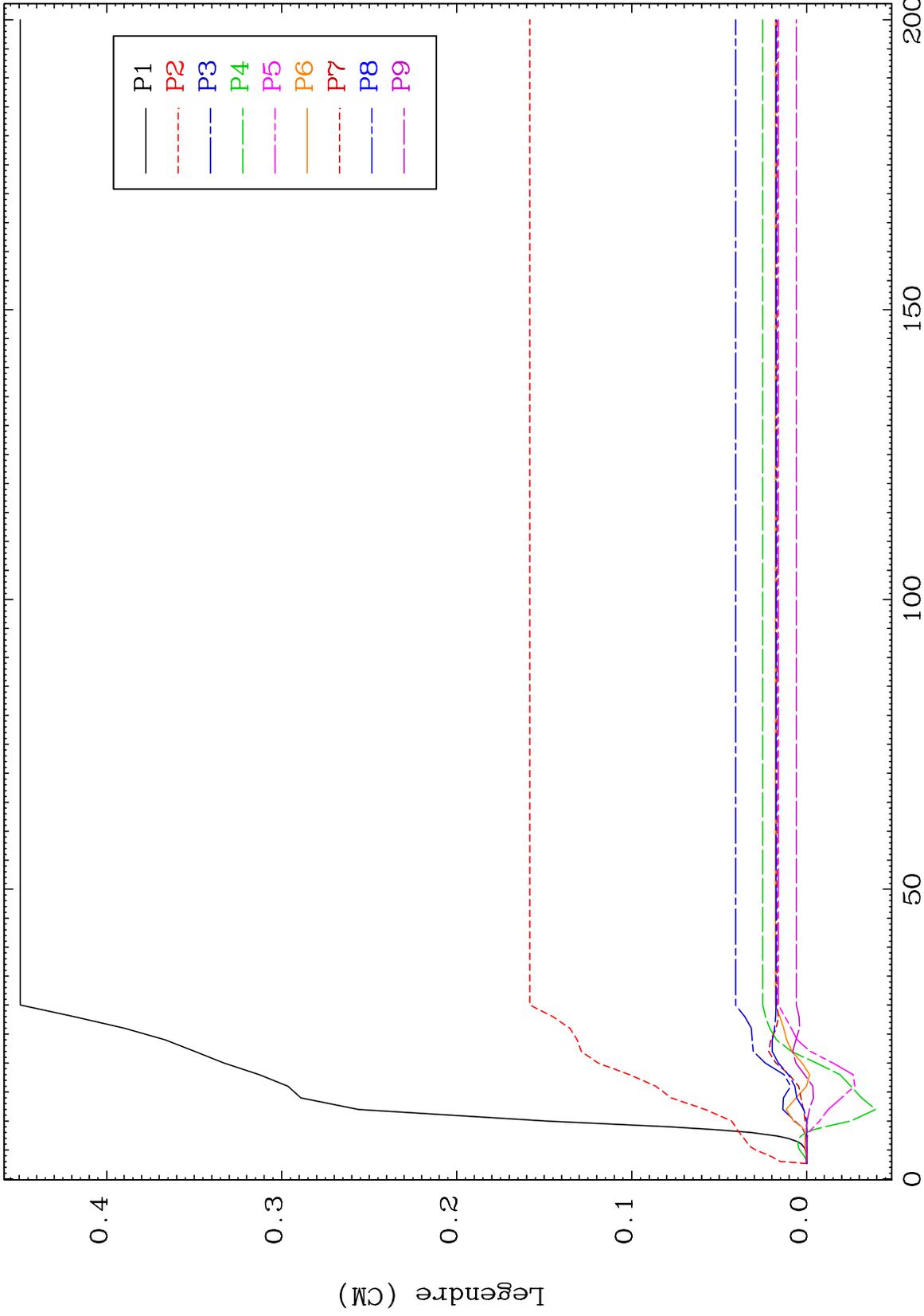
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



110

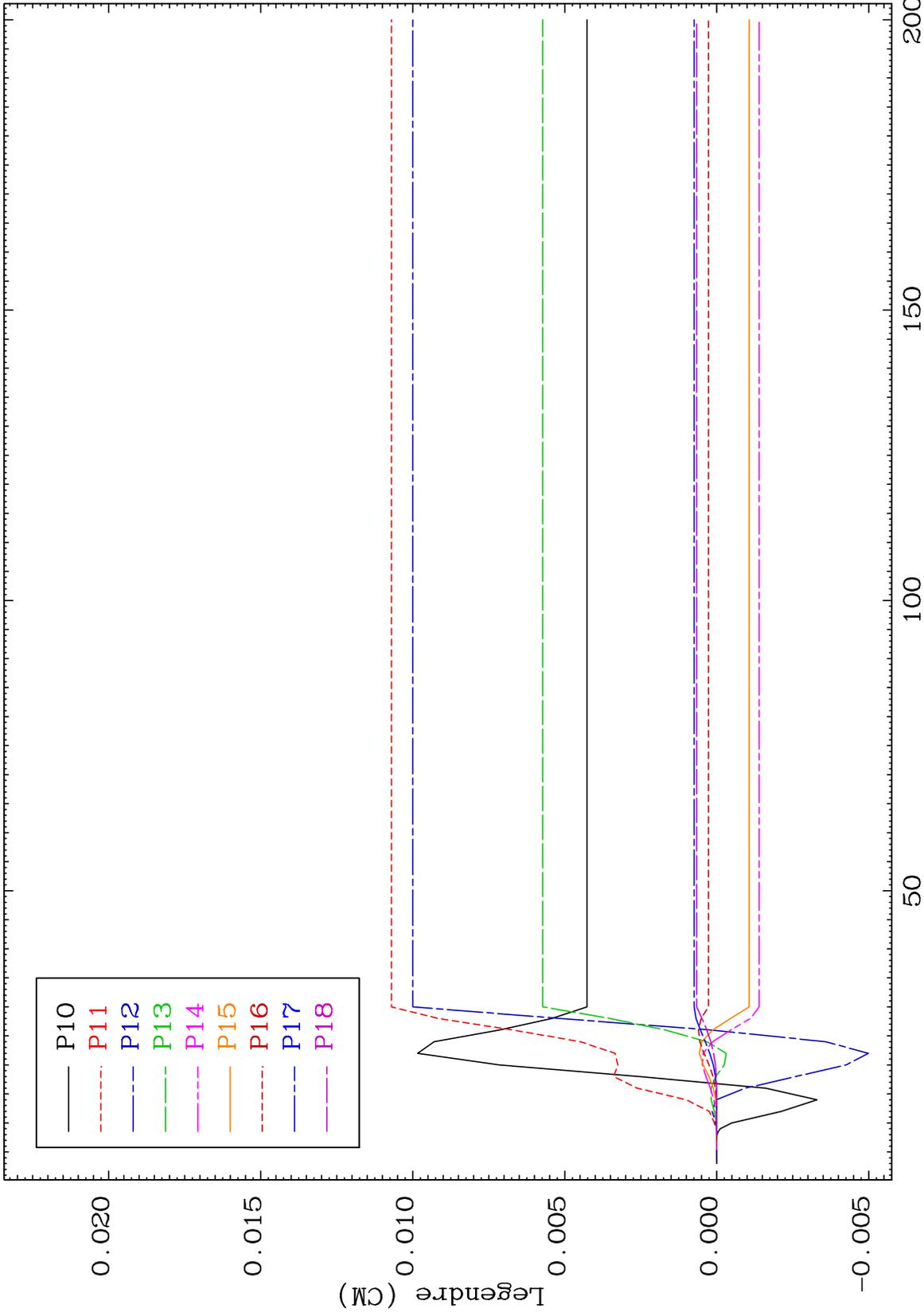
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



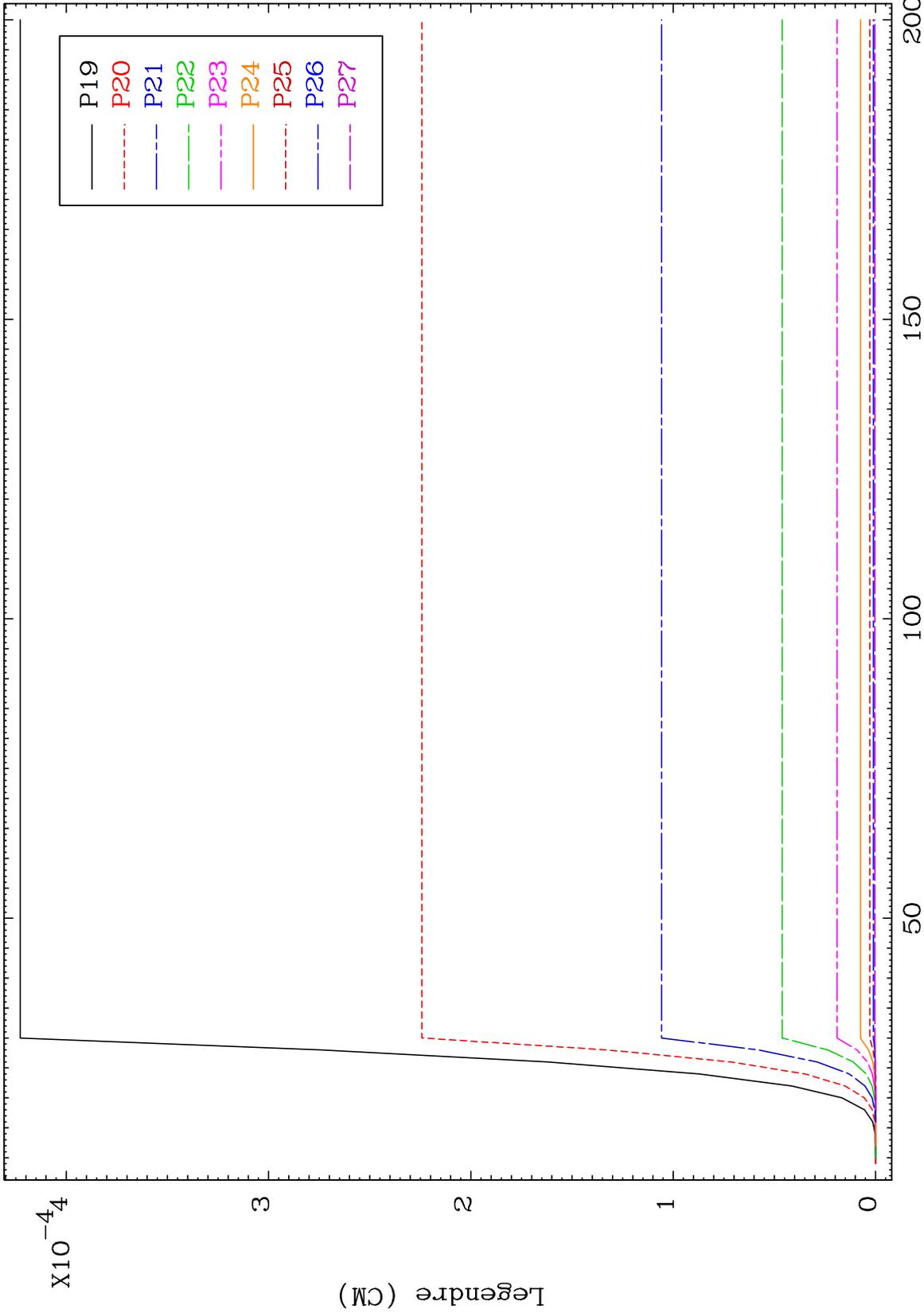
111

32-Ge-83

MAT 3264

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

32-Ge-83



112

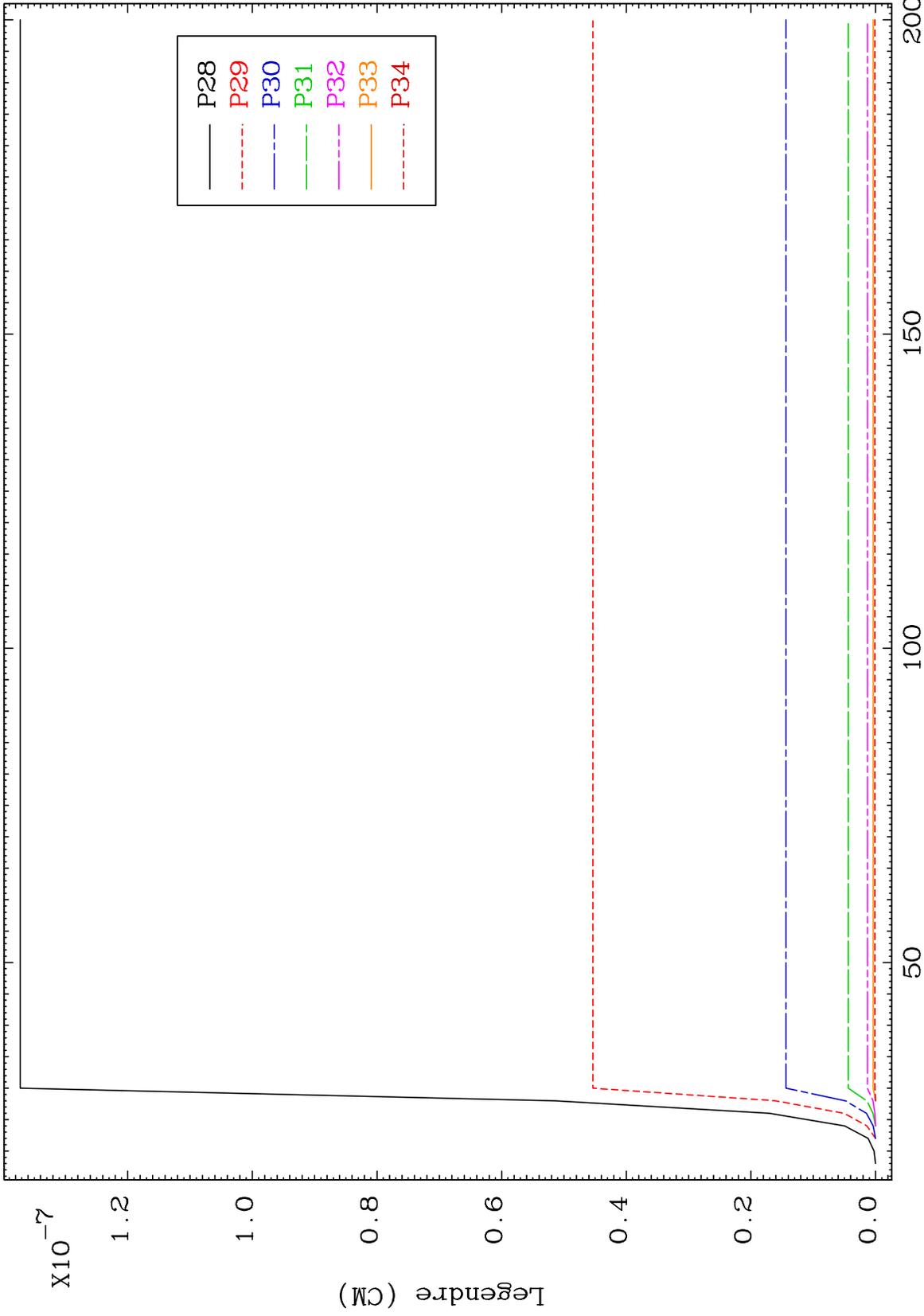
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



113

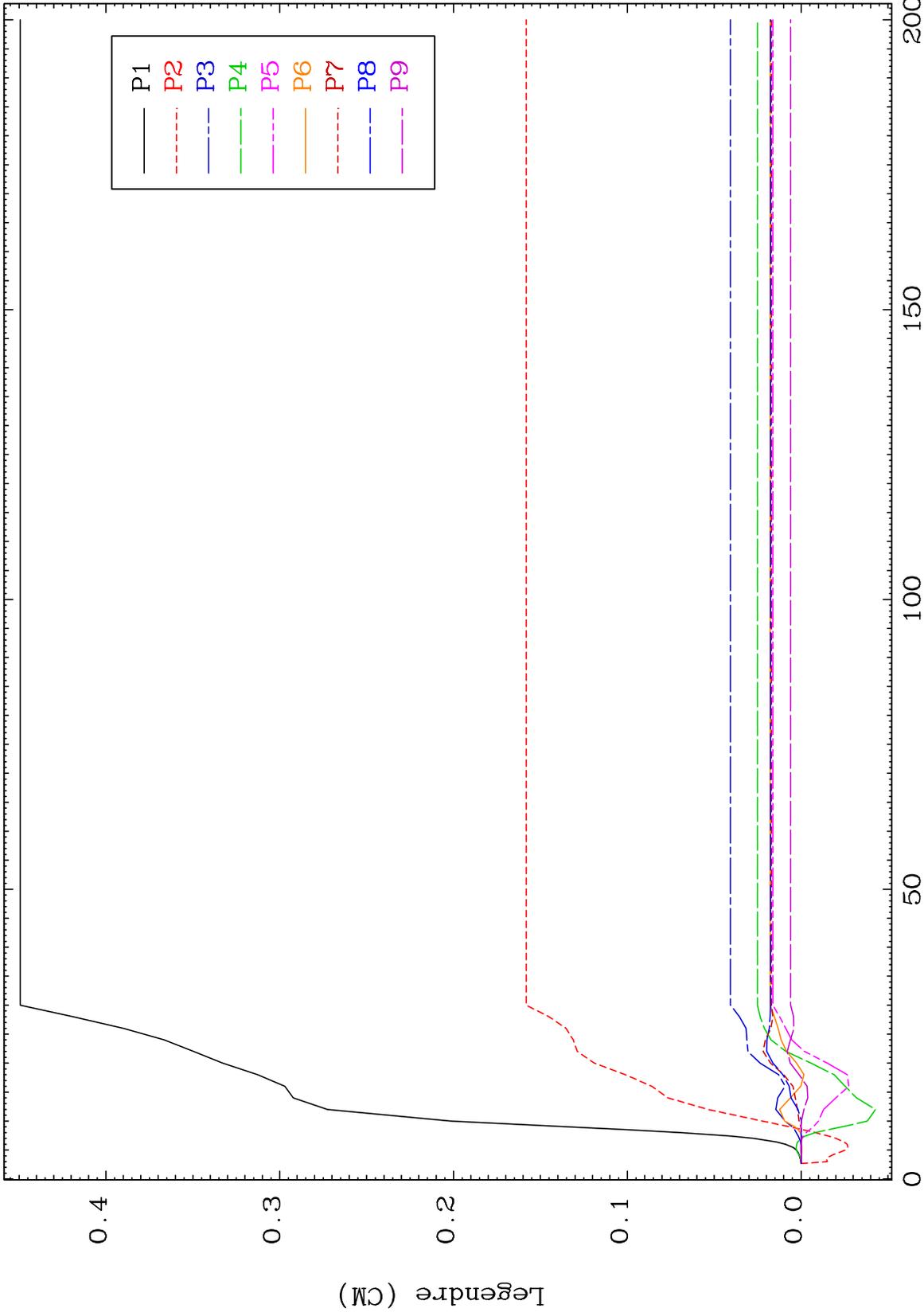
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



114

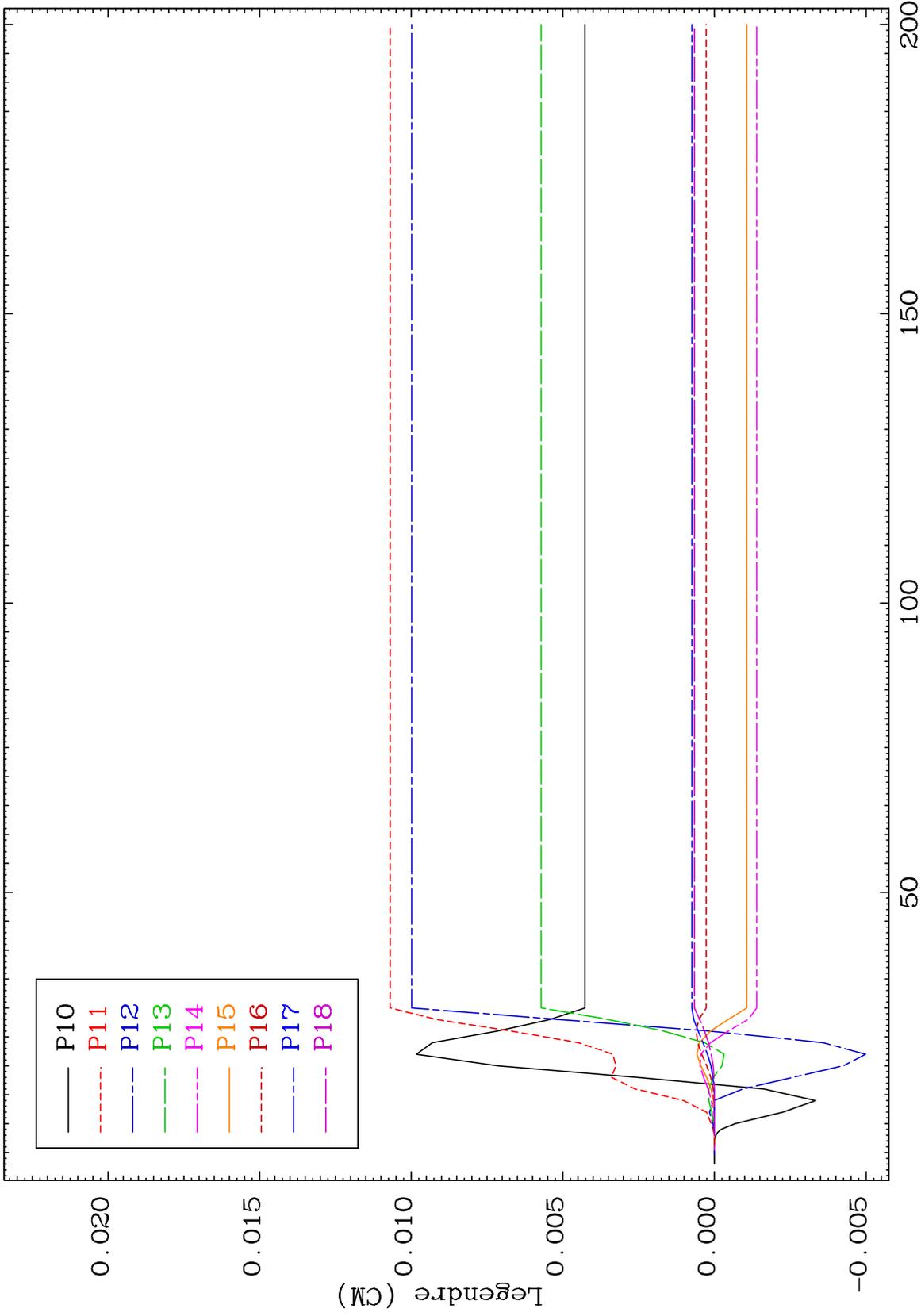
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



115

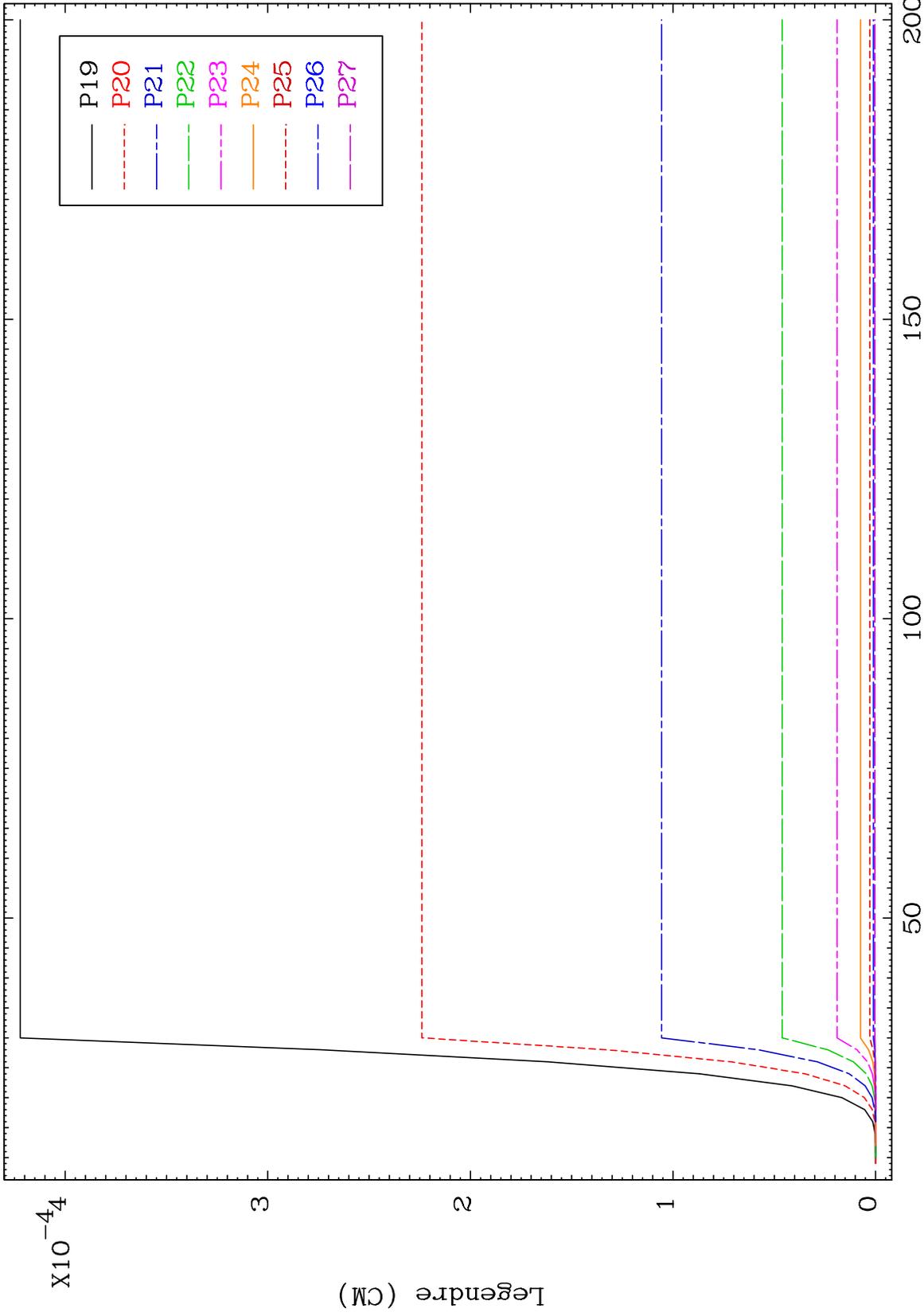
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



116

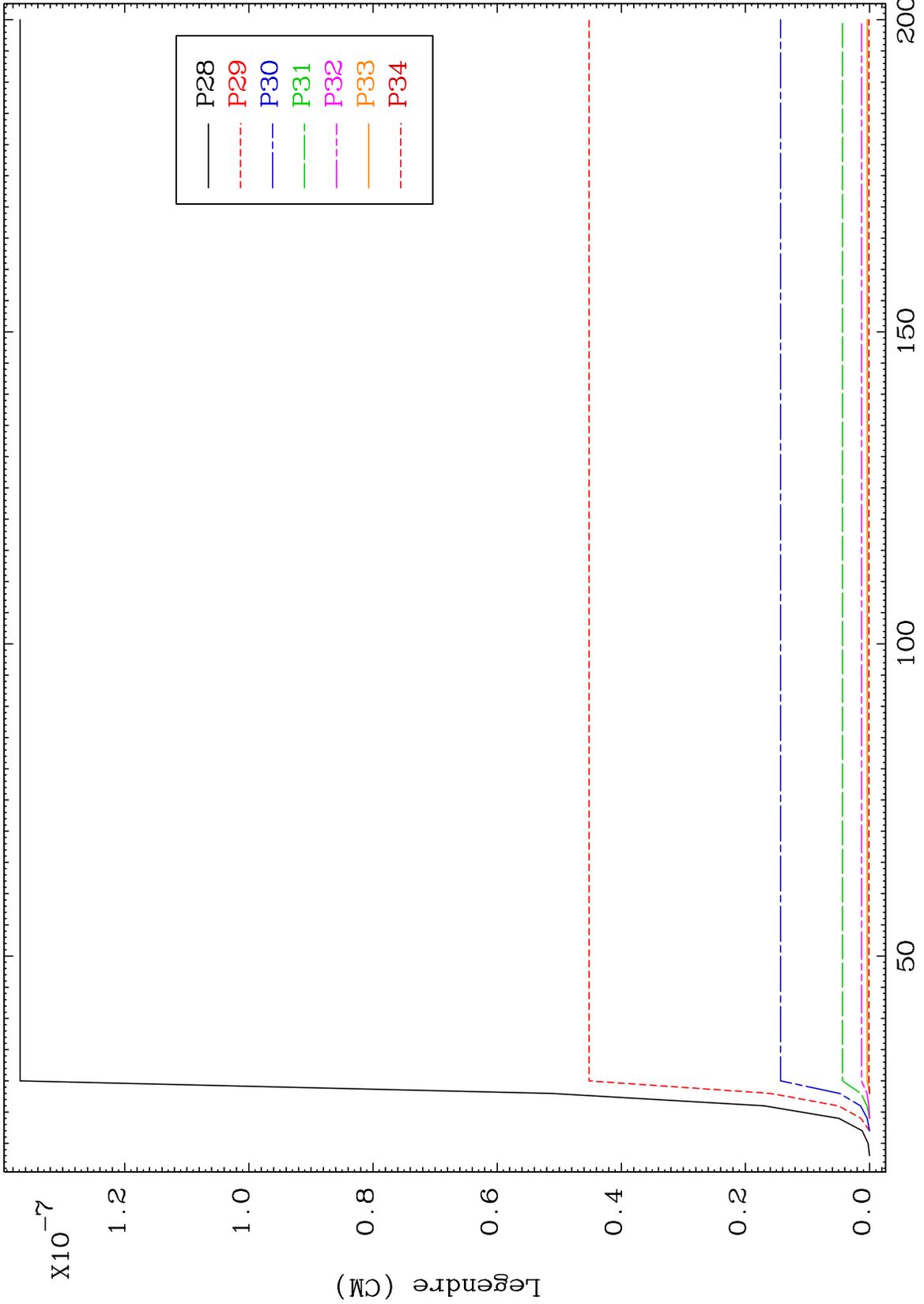
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



117

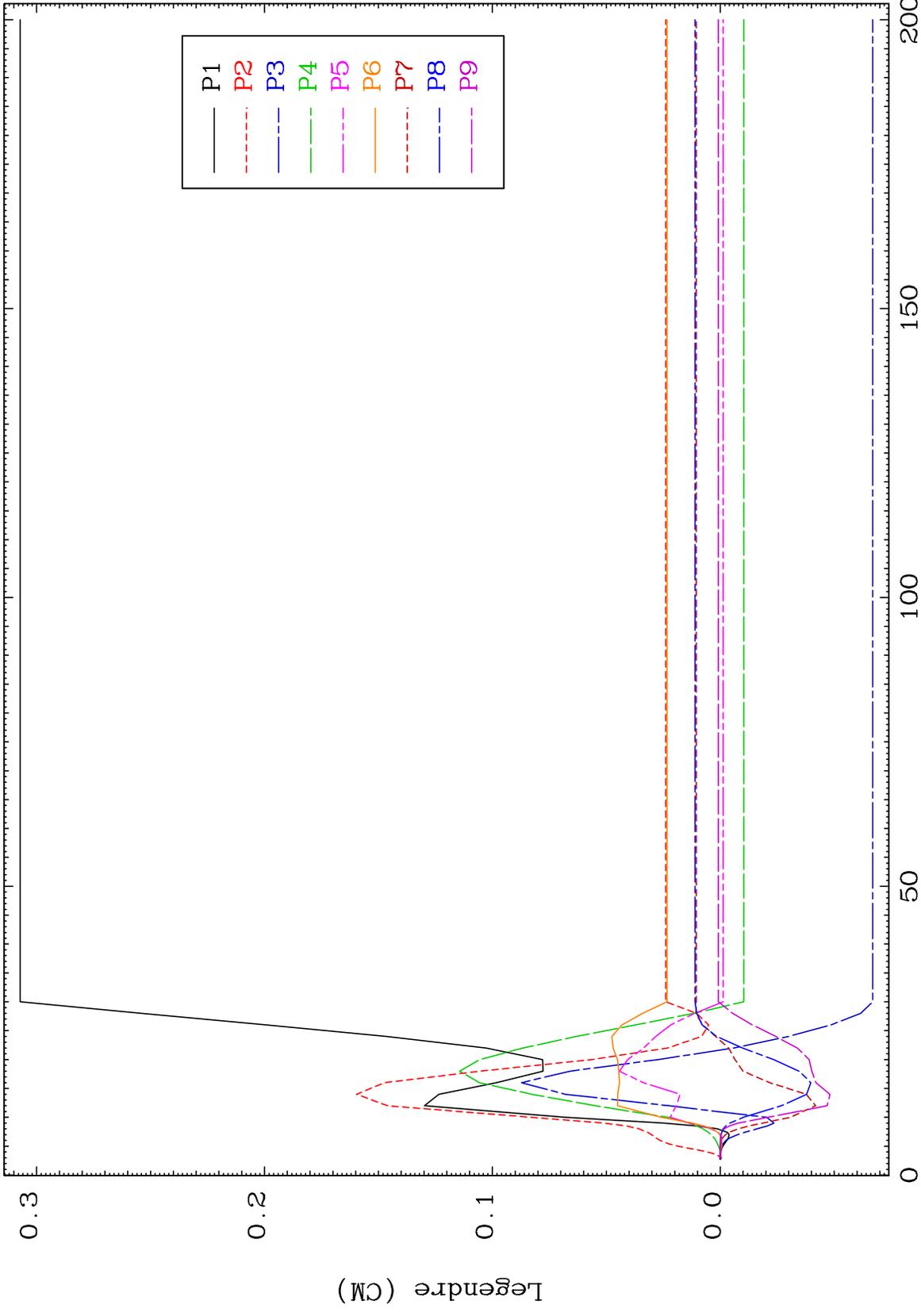
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



118

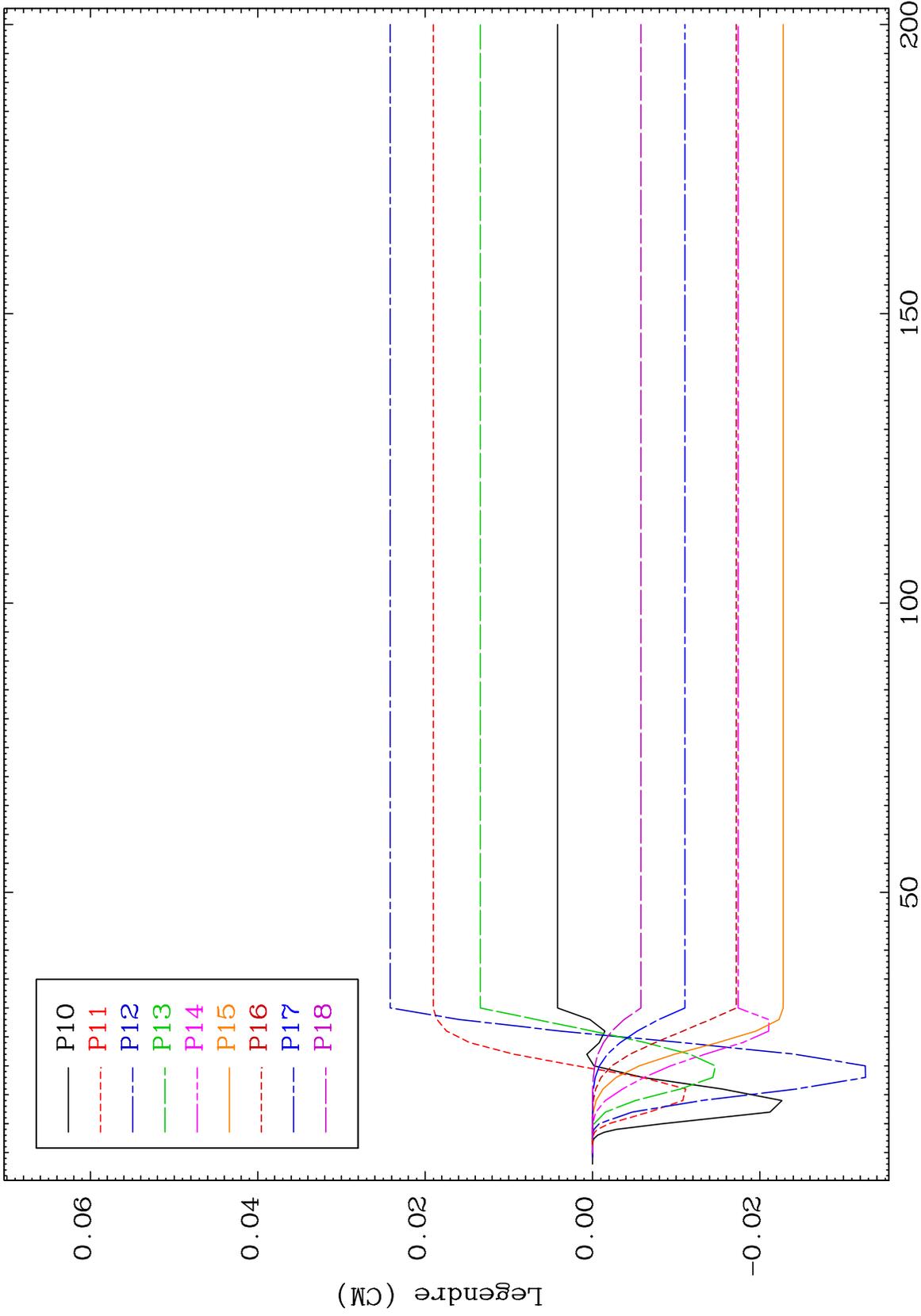
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



119

Incident Energy (MeV)

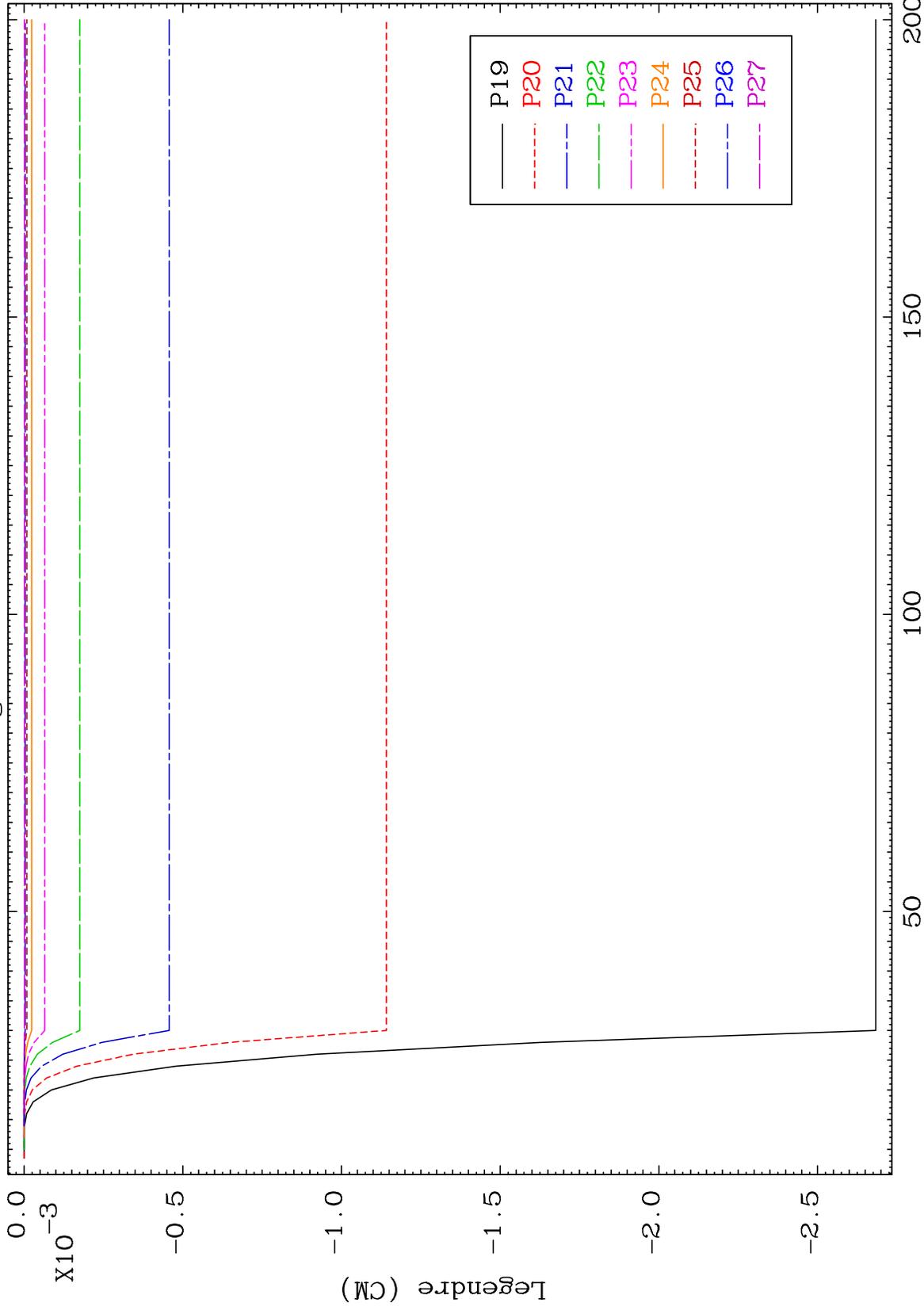
32-Ge-83

MAT 3264

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

32-Ge-83

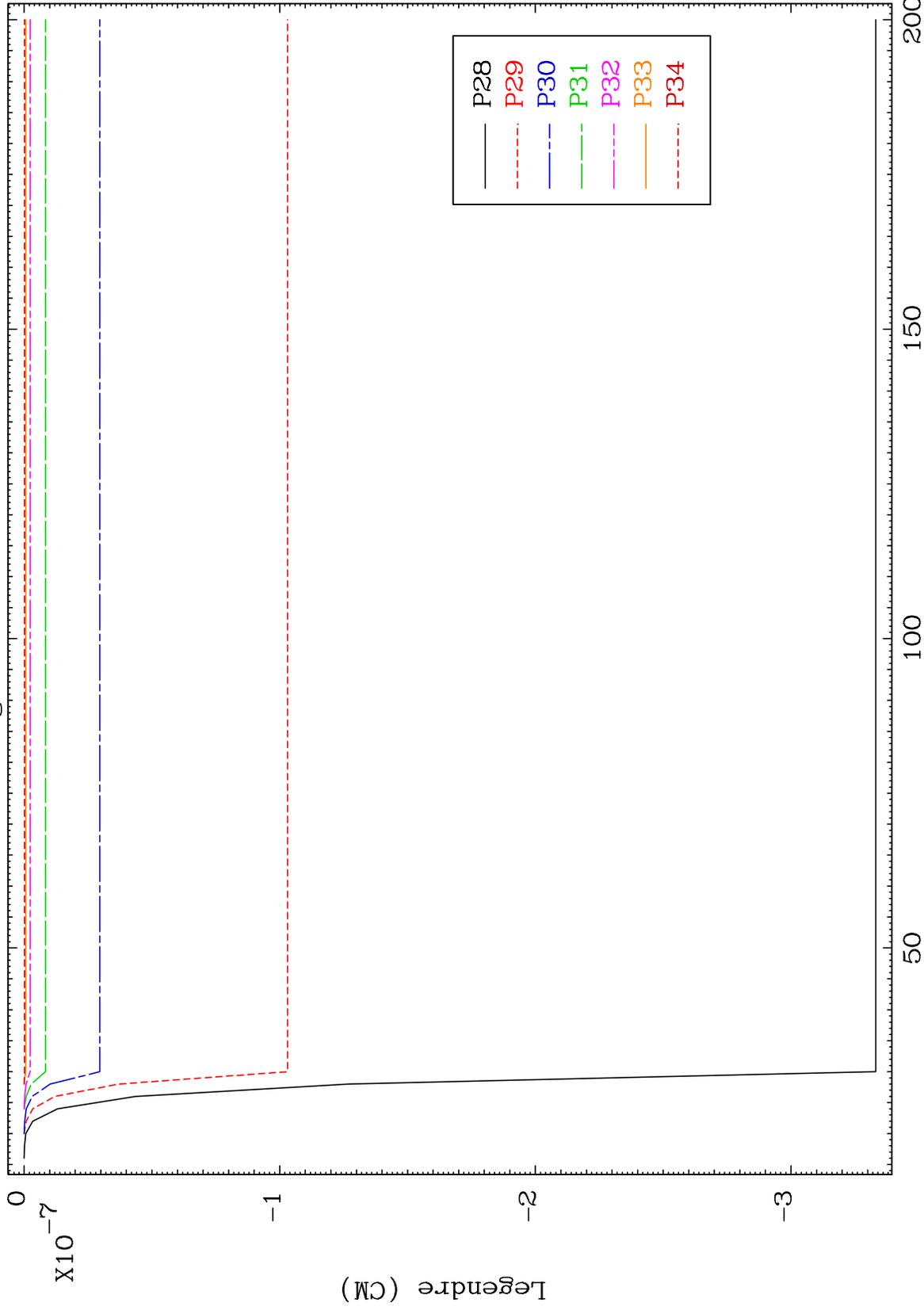
Incident Energy (MeV)



MAT 3264

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

32-Ge-83



32-Ge-83

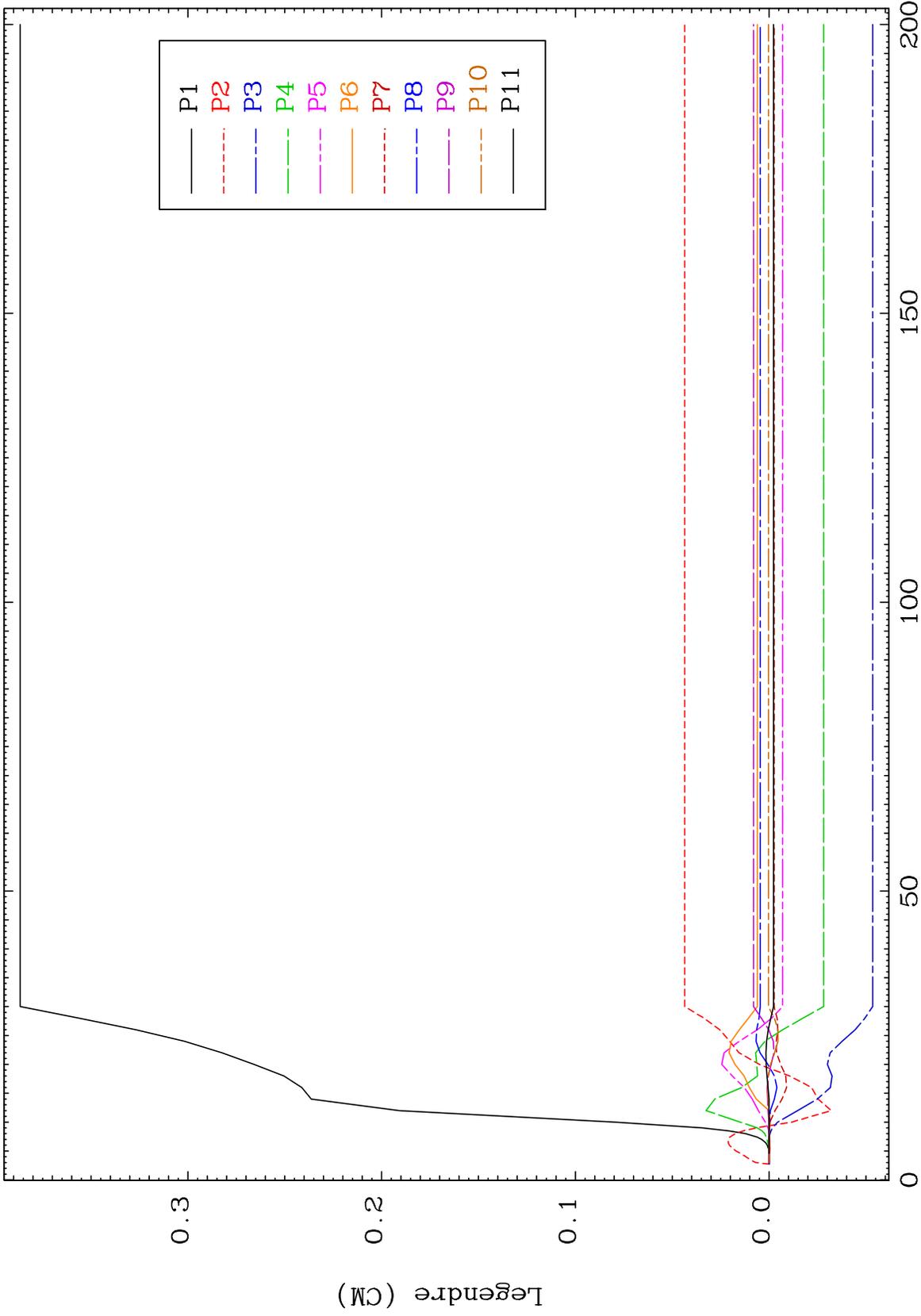
Incident Energy (MeV)

121

MAT 3264

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

32-Ge-83



122

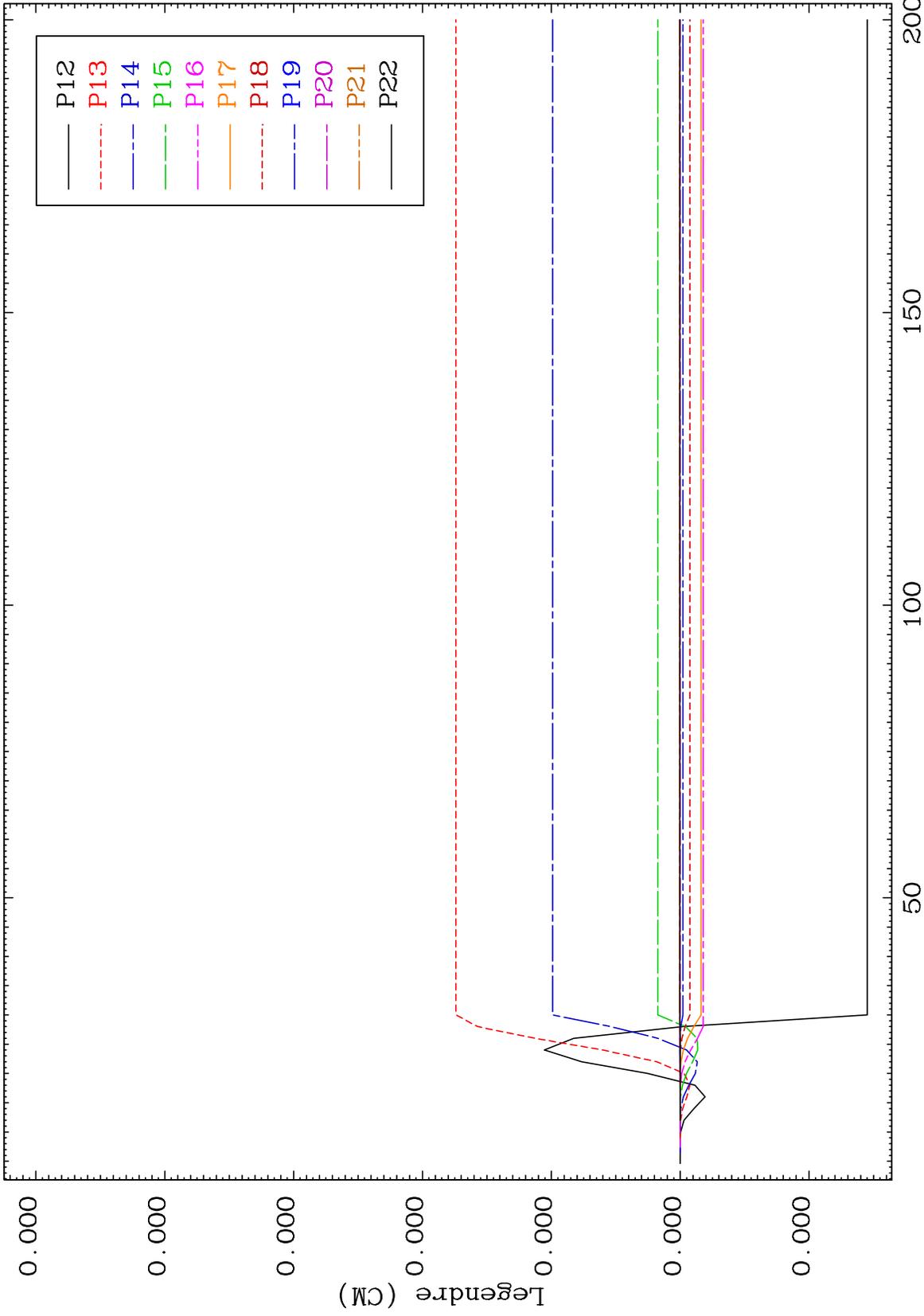
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



123

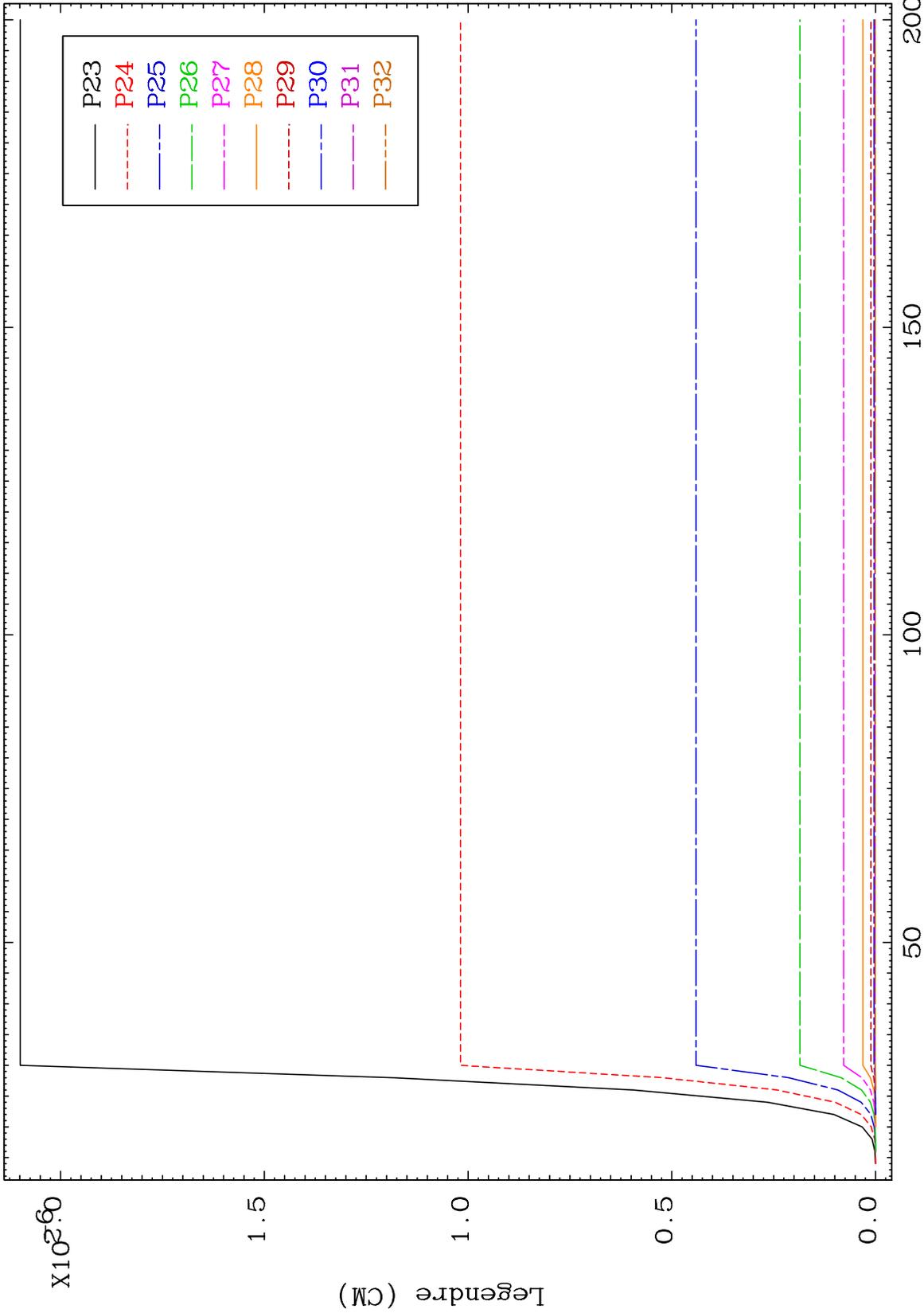
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



124

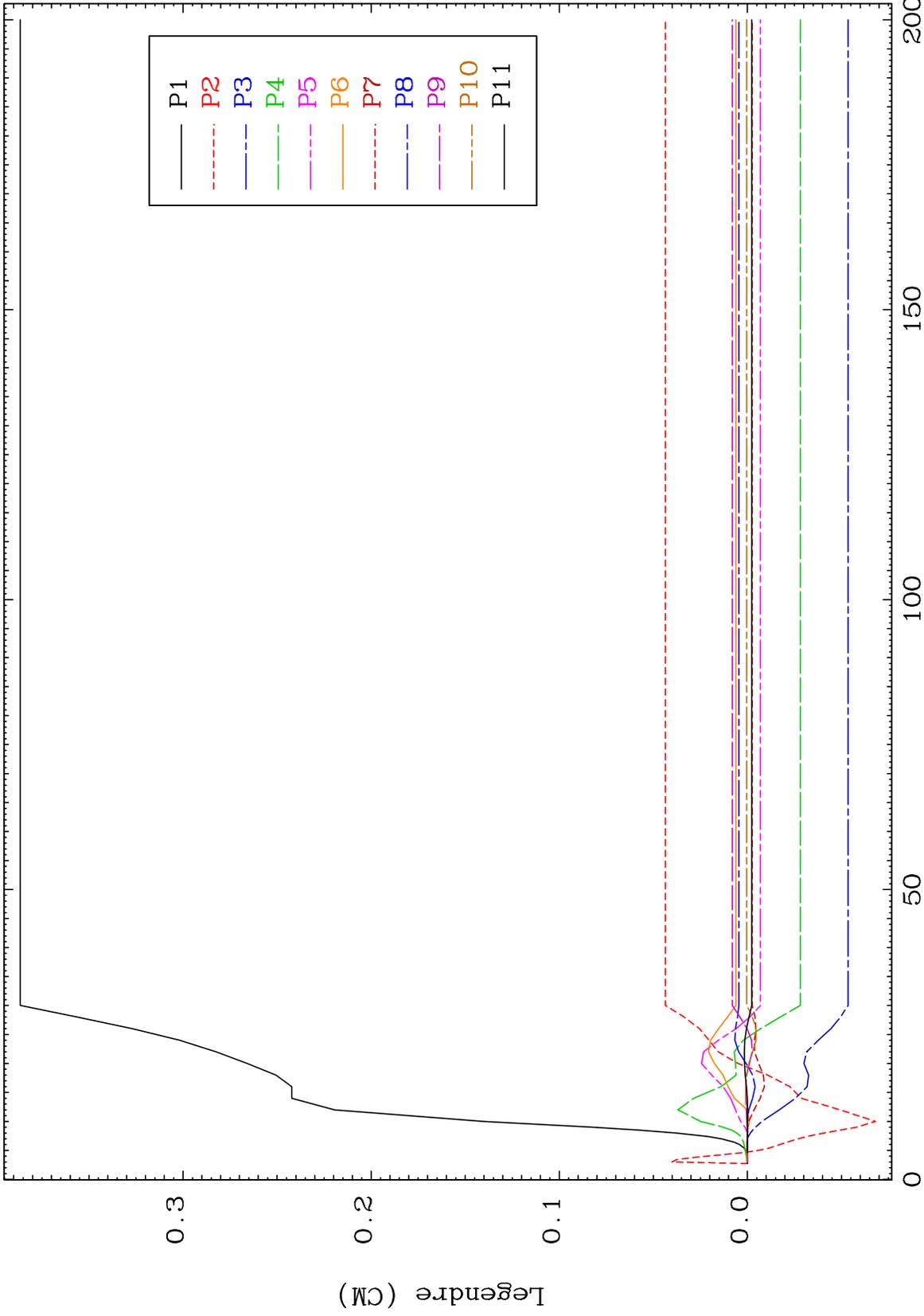
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



32-Ge-83

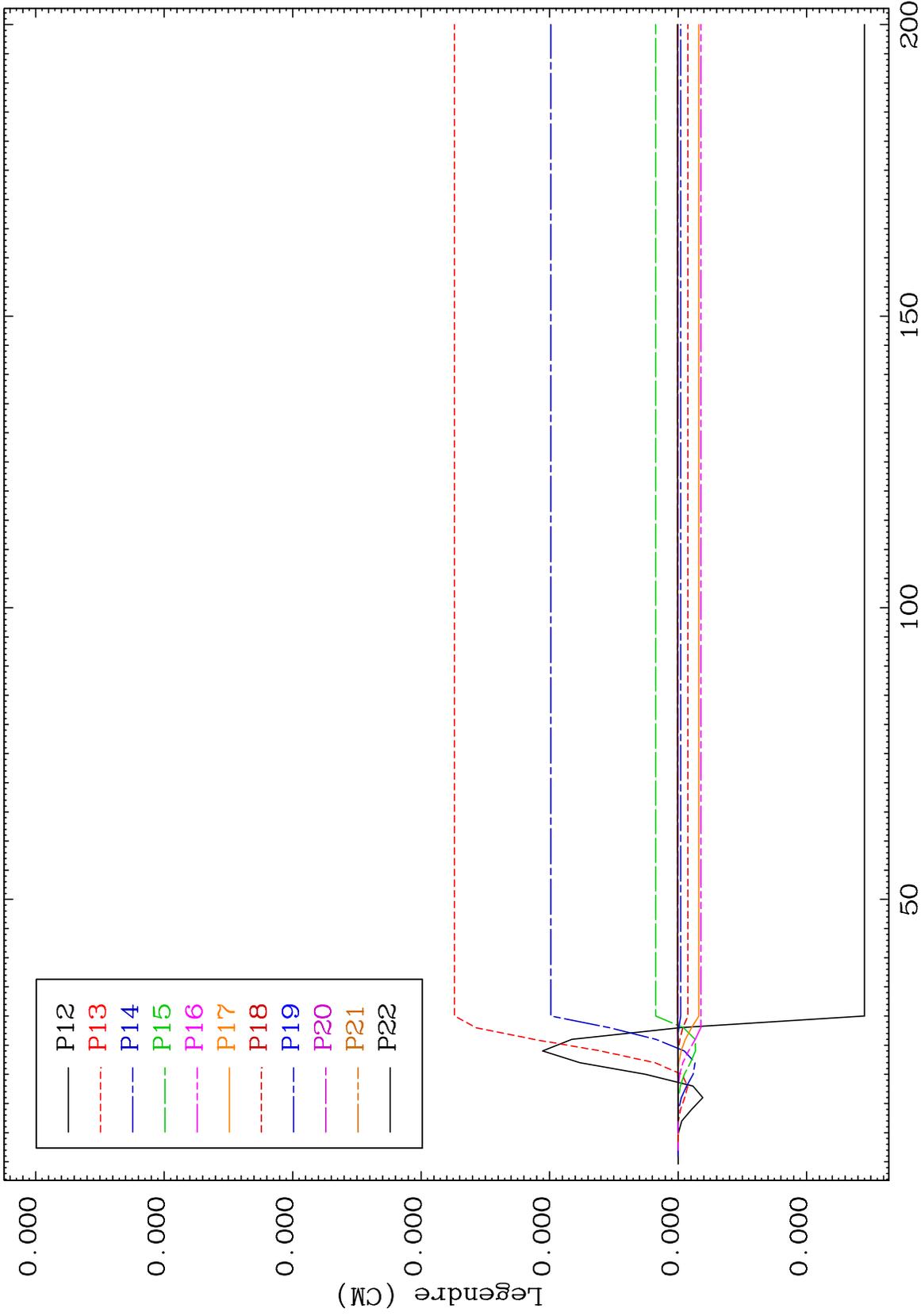
Incident Energy (MeV)

125

MAT 3264

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

32-Ge-83



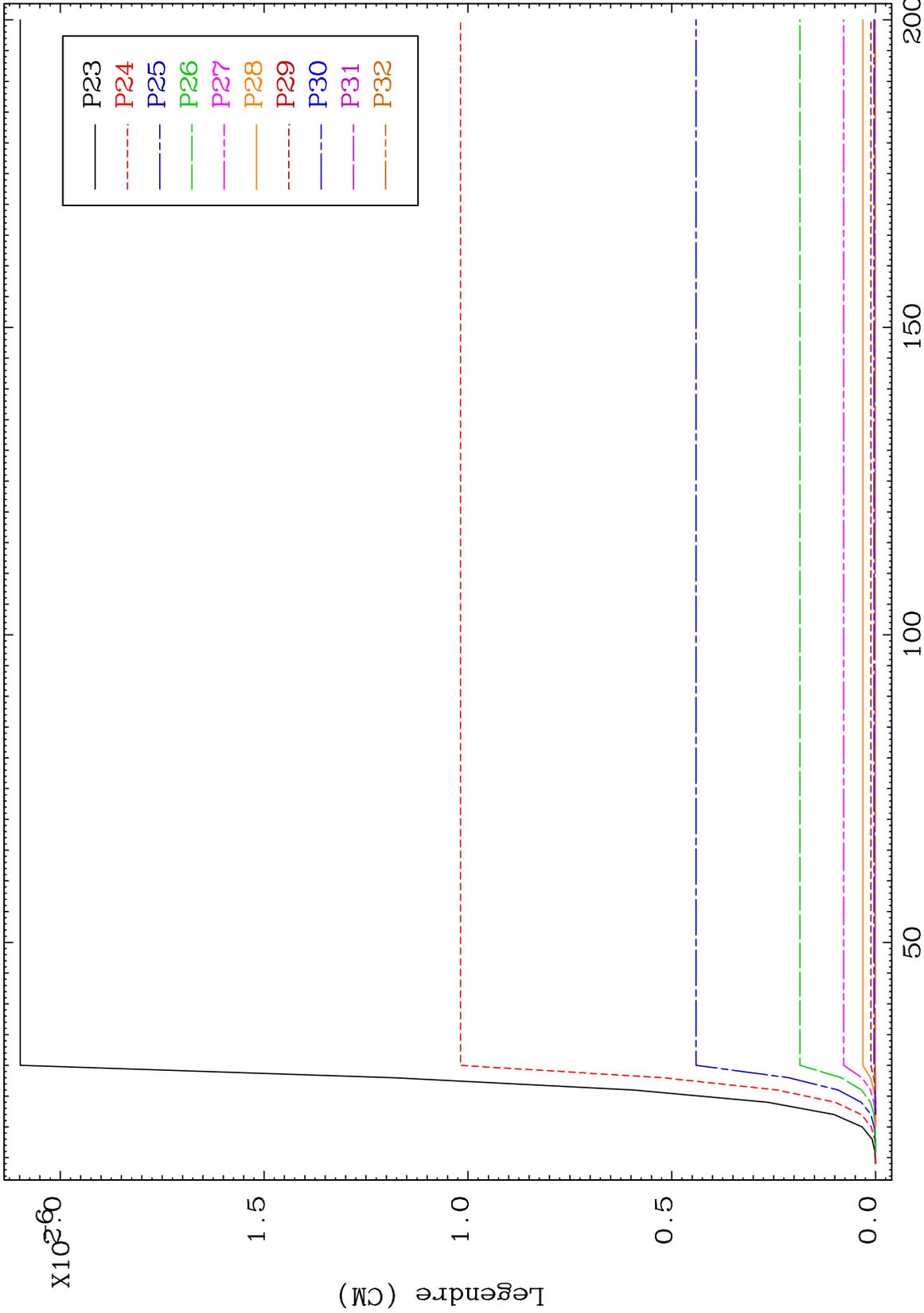
126

32-Ge-83

MAT 3264

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

32-Ge-83



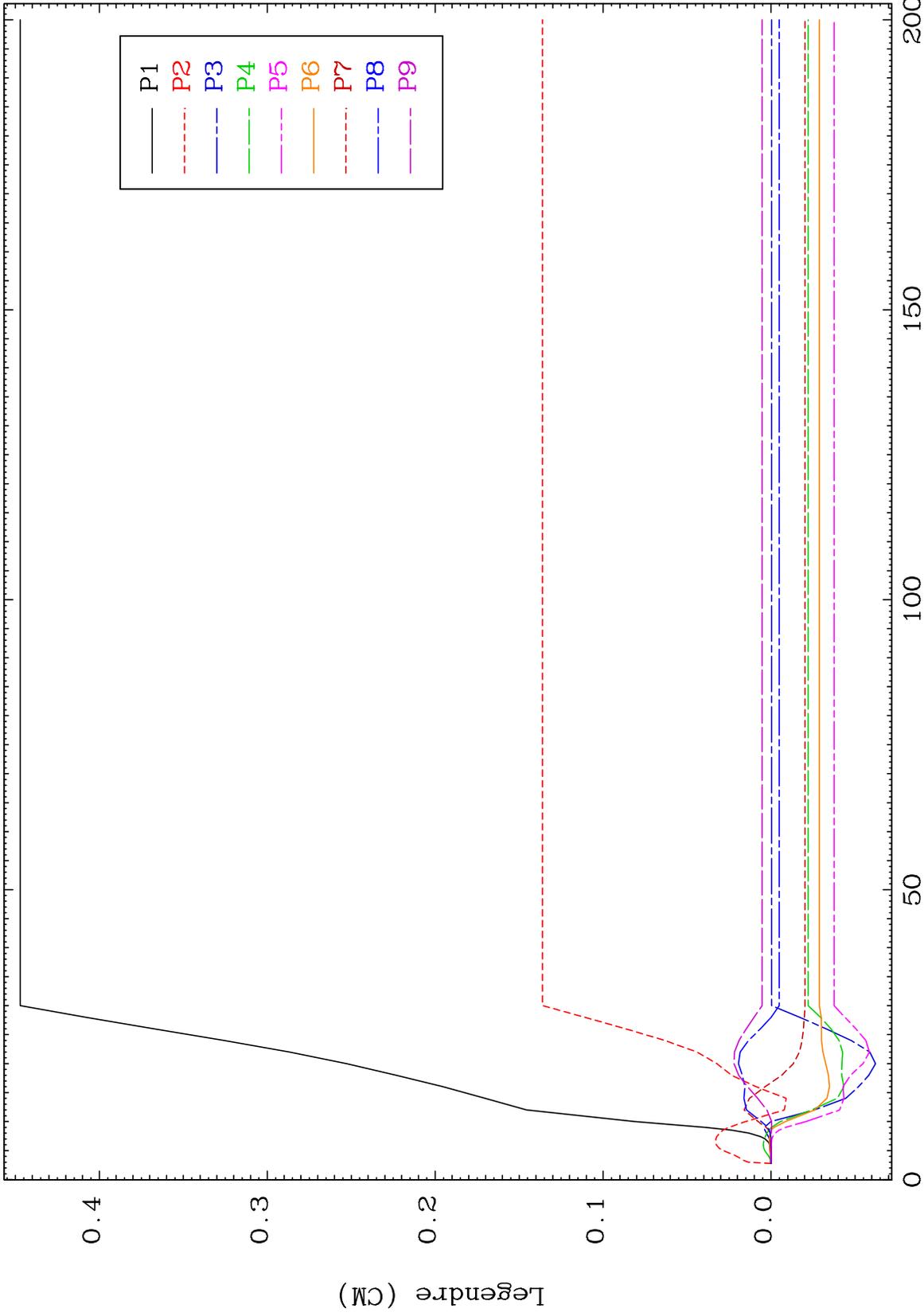
127

32-Ge-83

MAT 3264

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

32-Ge-83



128

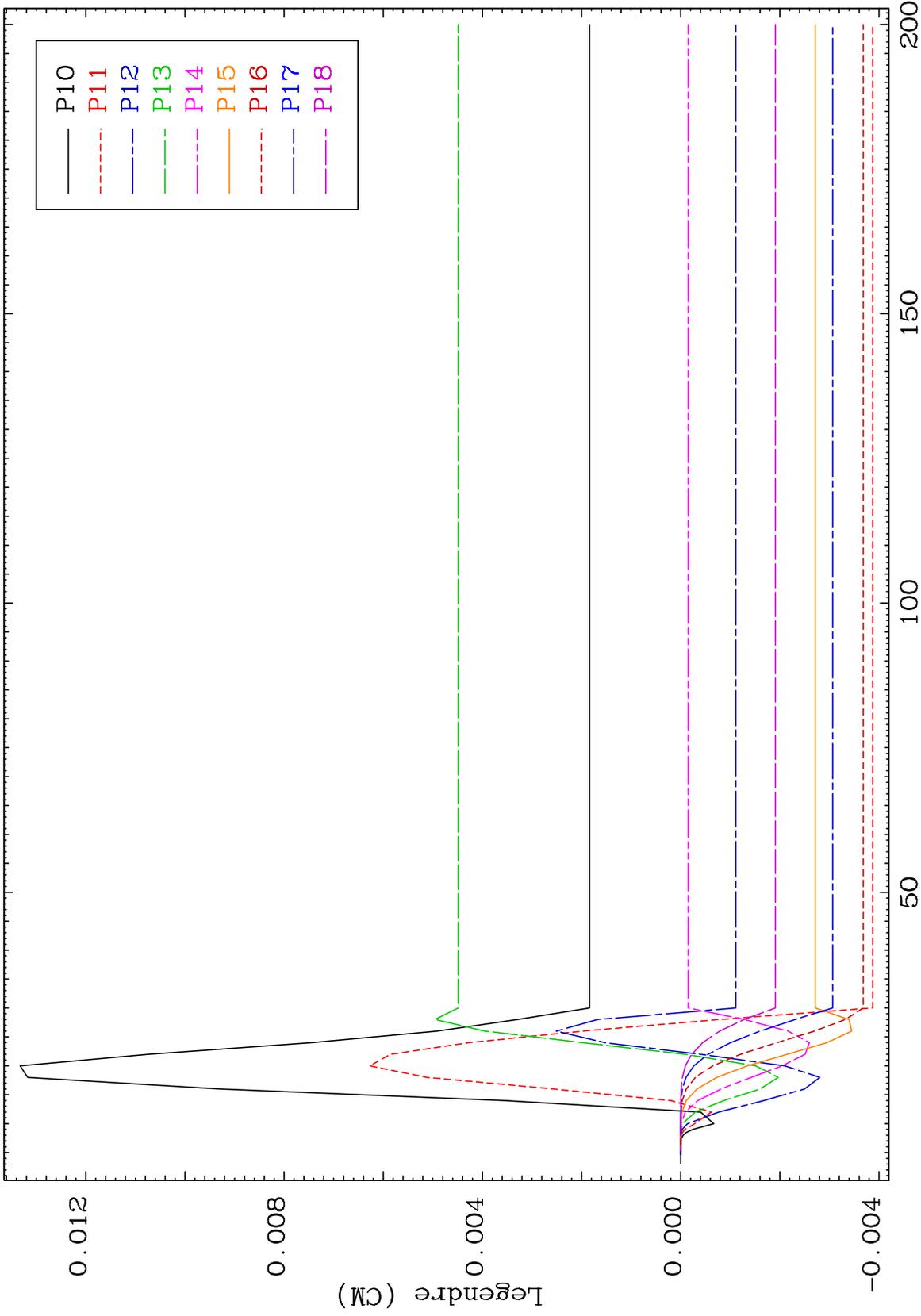
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



129

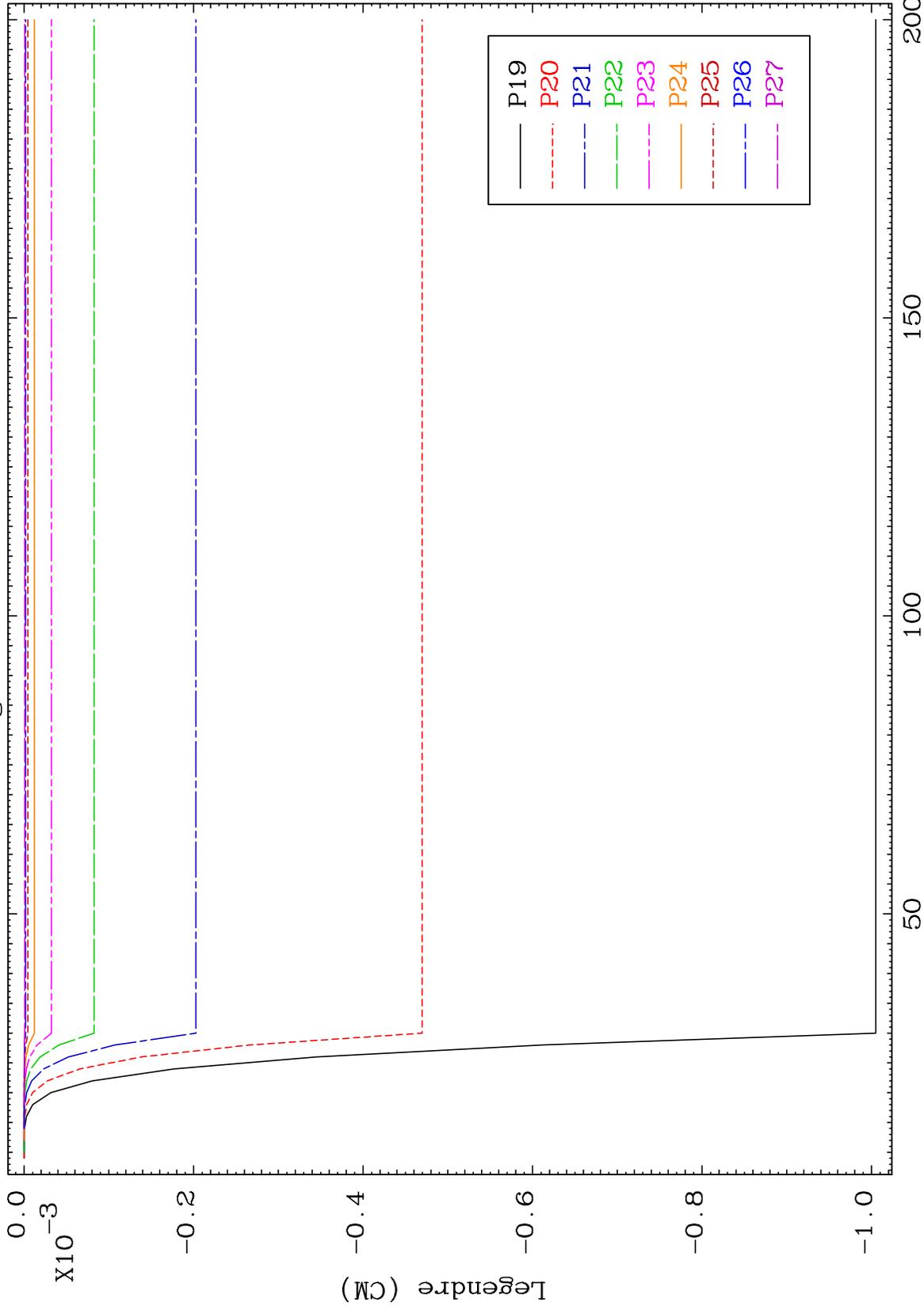
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



32-Ge-83

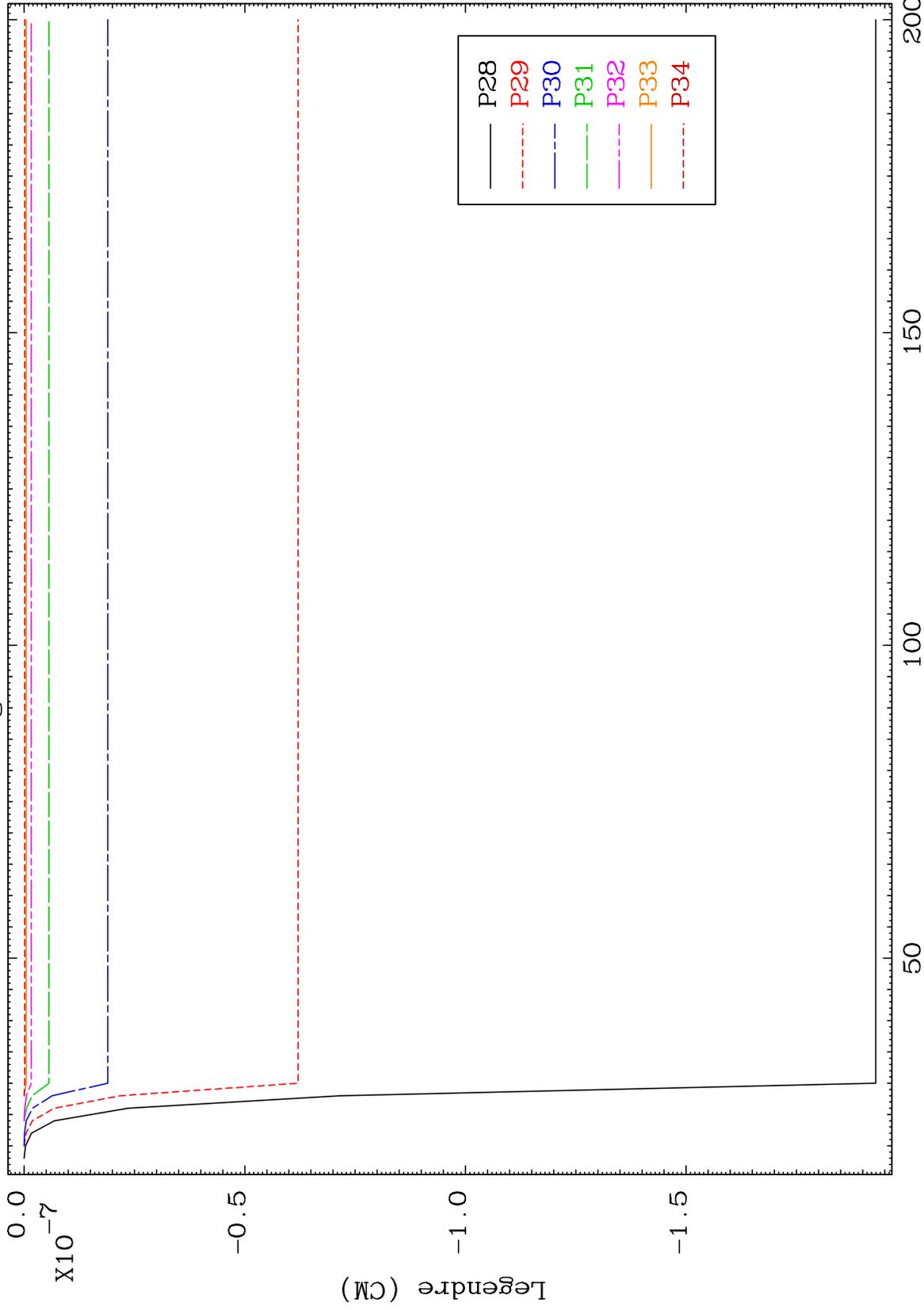
Incident Energy (MeV)

130

MAT 3264

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

32-Ge-83



32-Ge-83

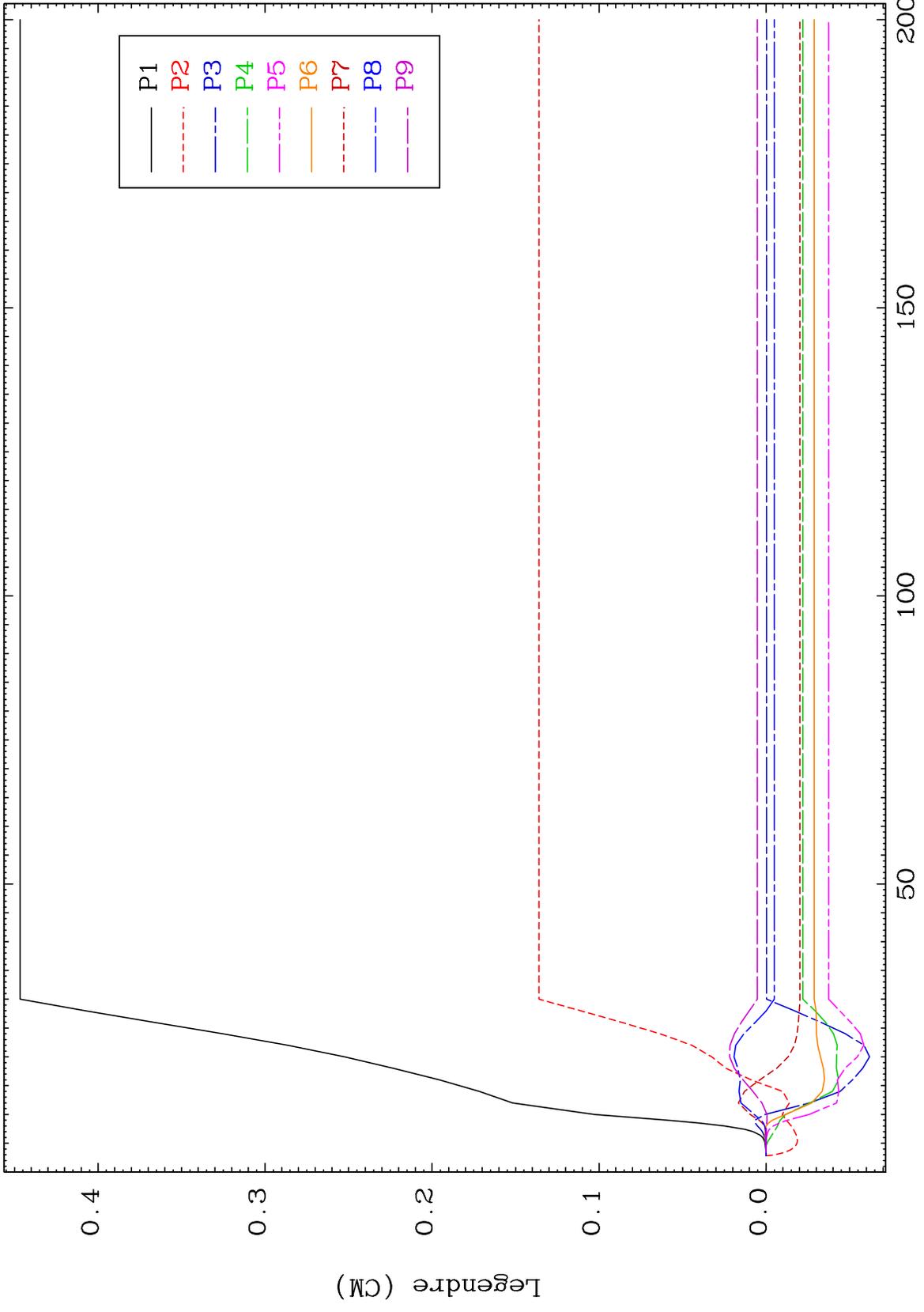
Incident Energy (MeV)

131

MAT 3264

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

32-Ge-83



132

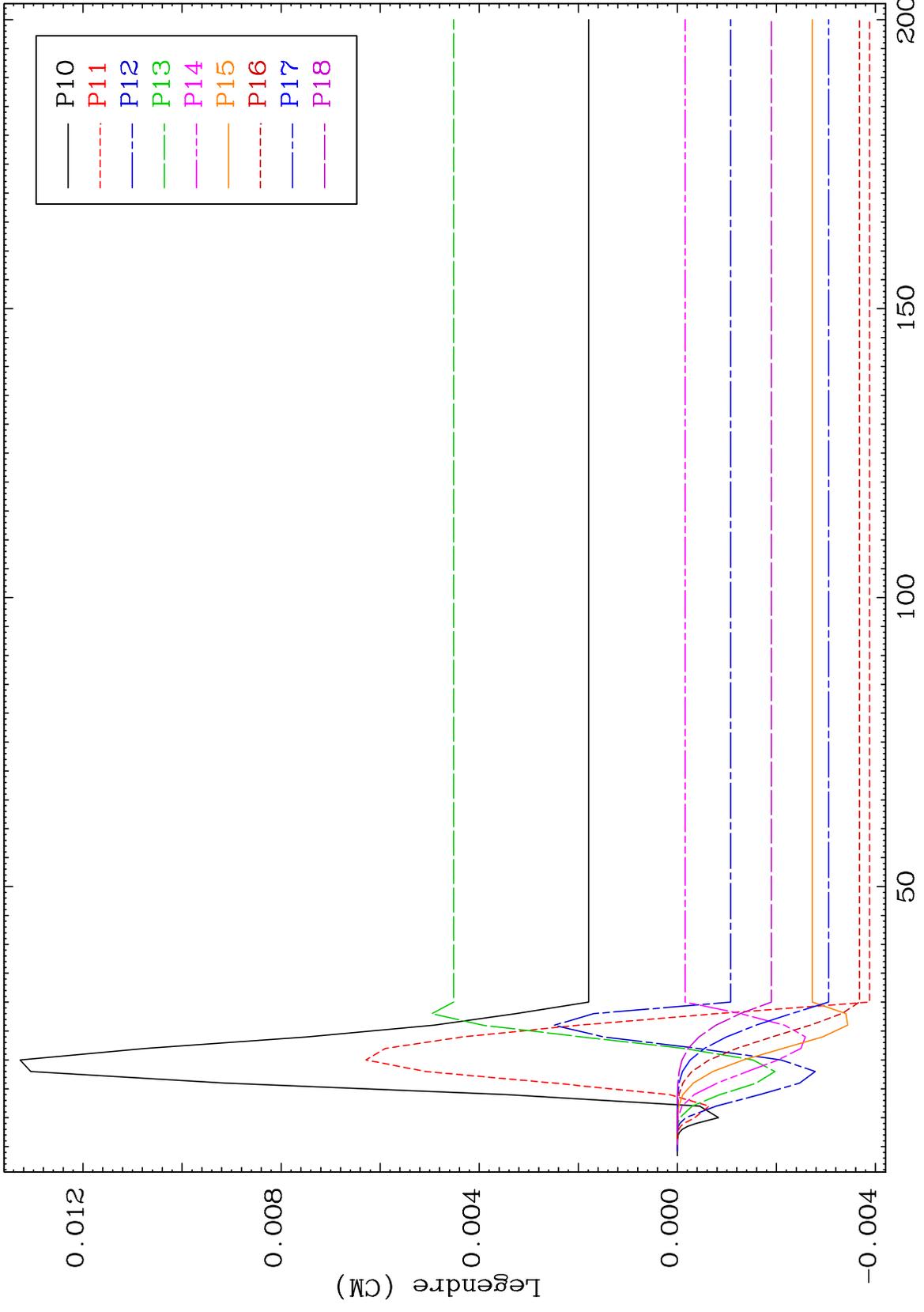
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



133

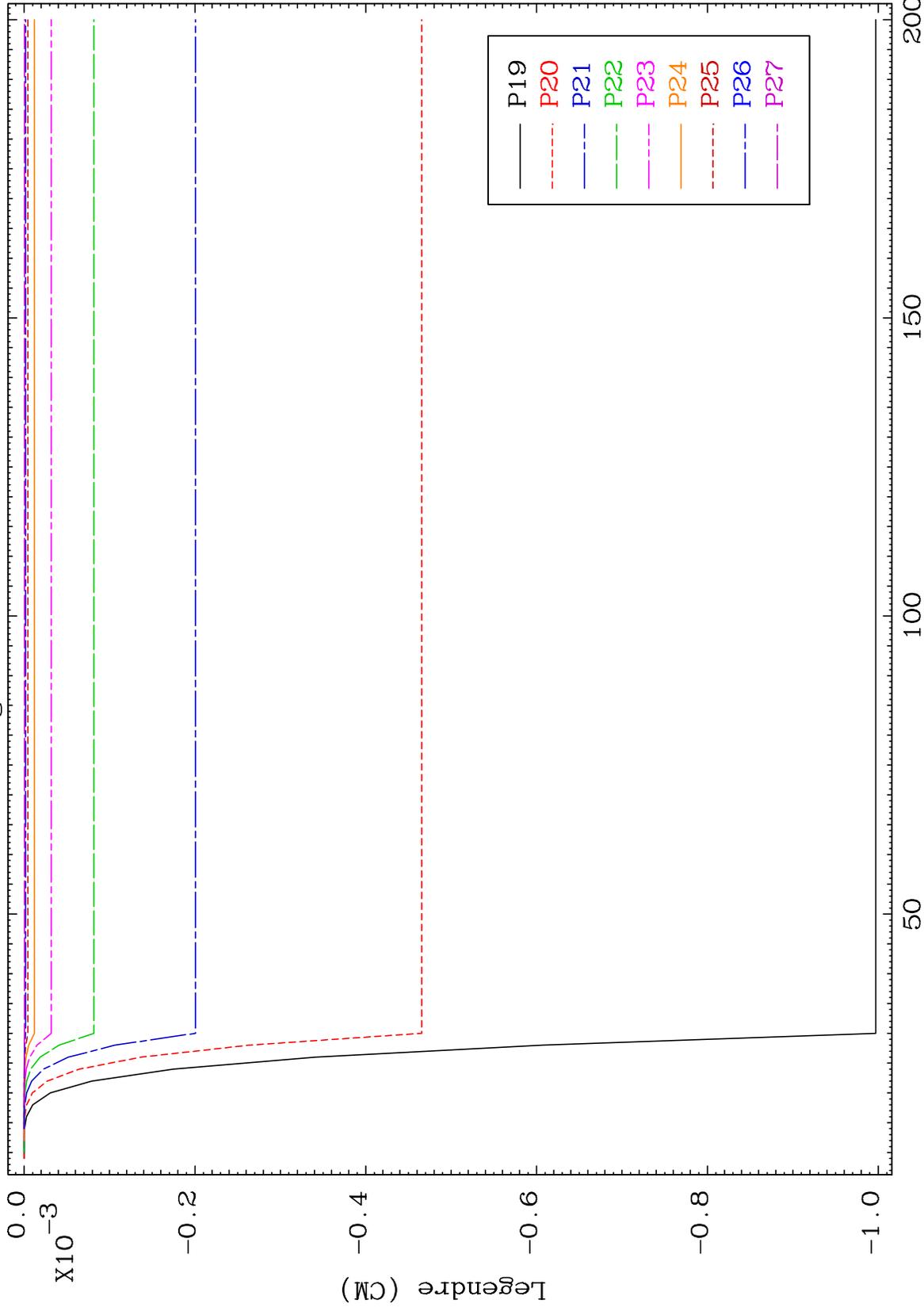
Incident Energy (MeV)

32-Ge-83

MAT 3264

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

32-Ge-83



32-Ge-83

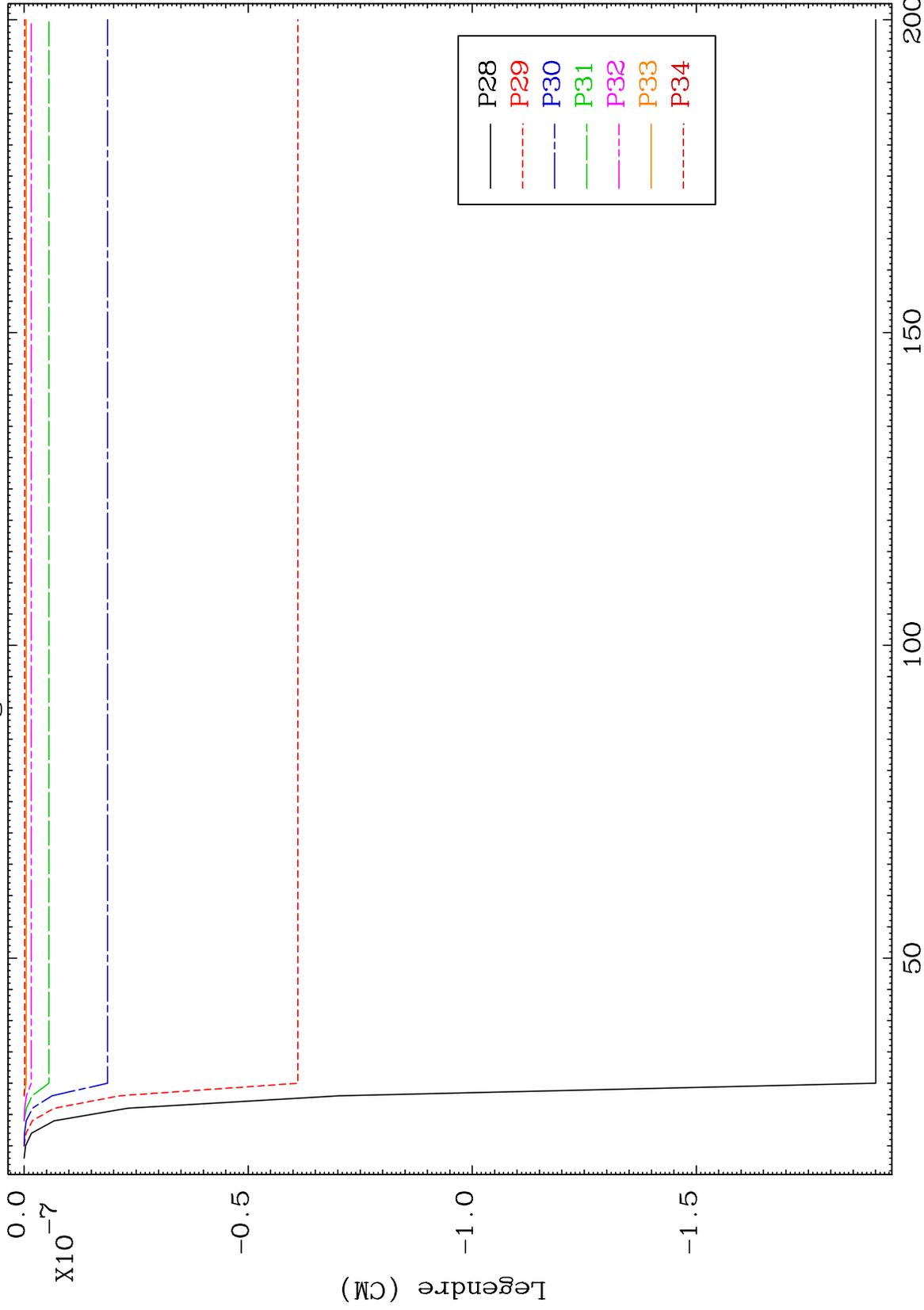
Incident Energy (MeV)

134

MAT 3264

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

32-Ge-83



32-Ge-83

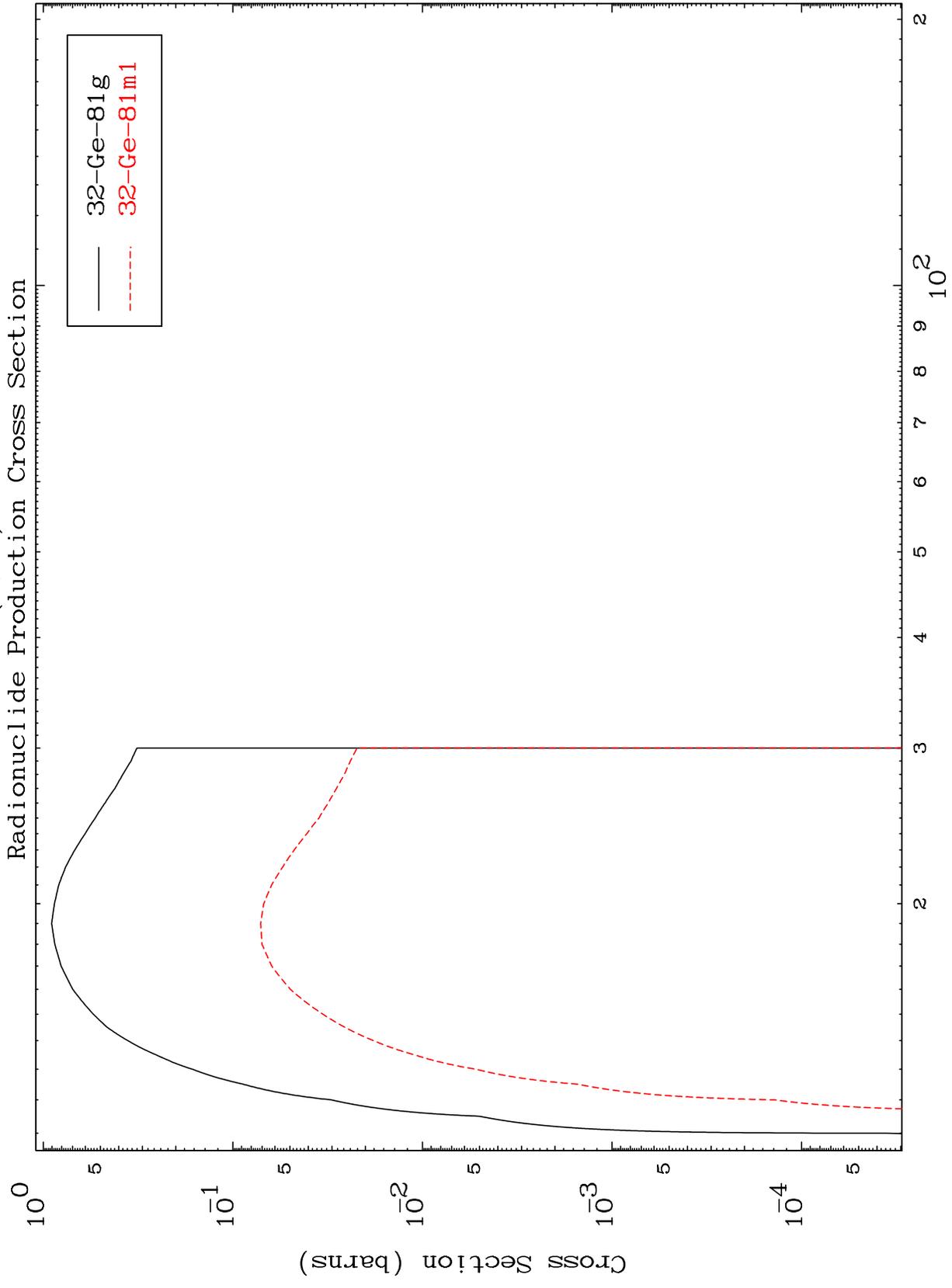
Incident Energy (MeV)

135

MAT 3264

(n,3n)

32-Ge-83



136

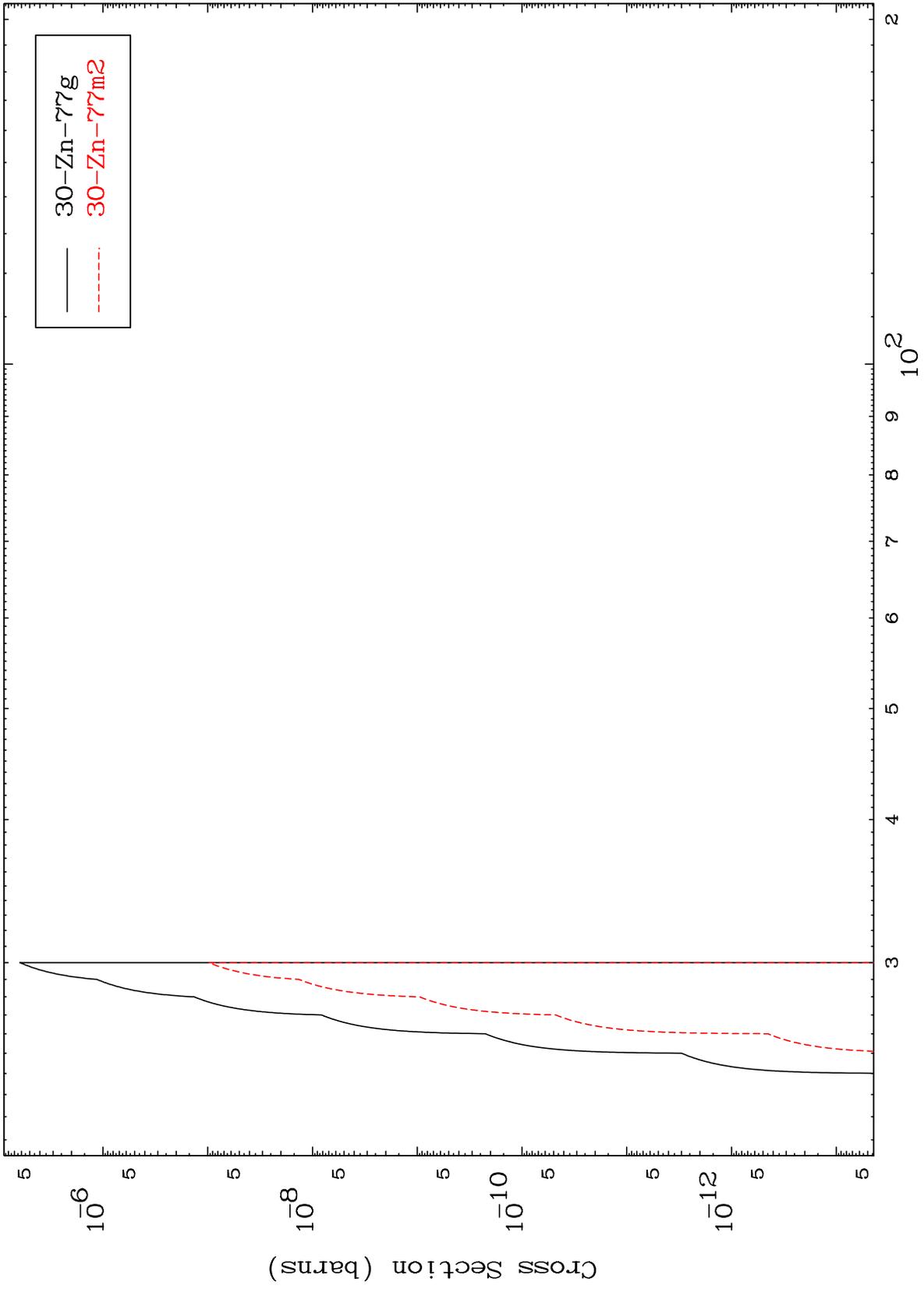
32-Ge-83

MAT 3264

(n,3n) α

32-Ge-83

Radionuclide Production Cross Section



137

Incident Energy (MeV)

32-Ge-83