

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

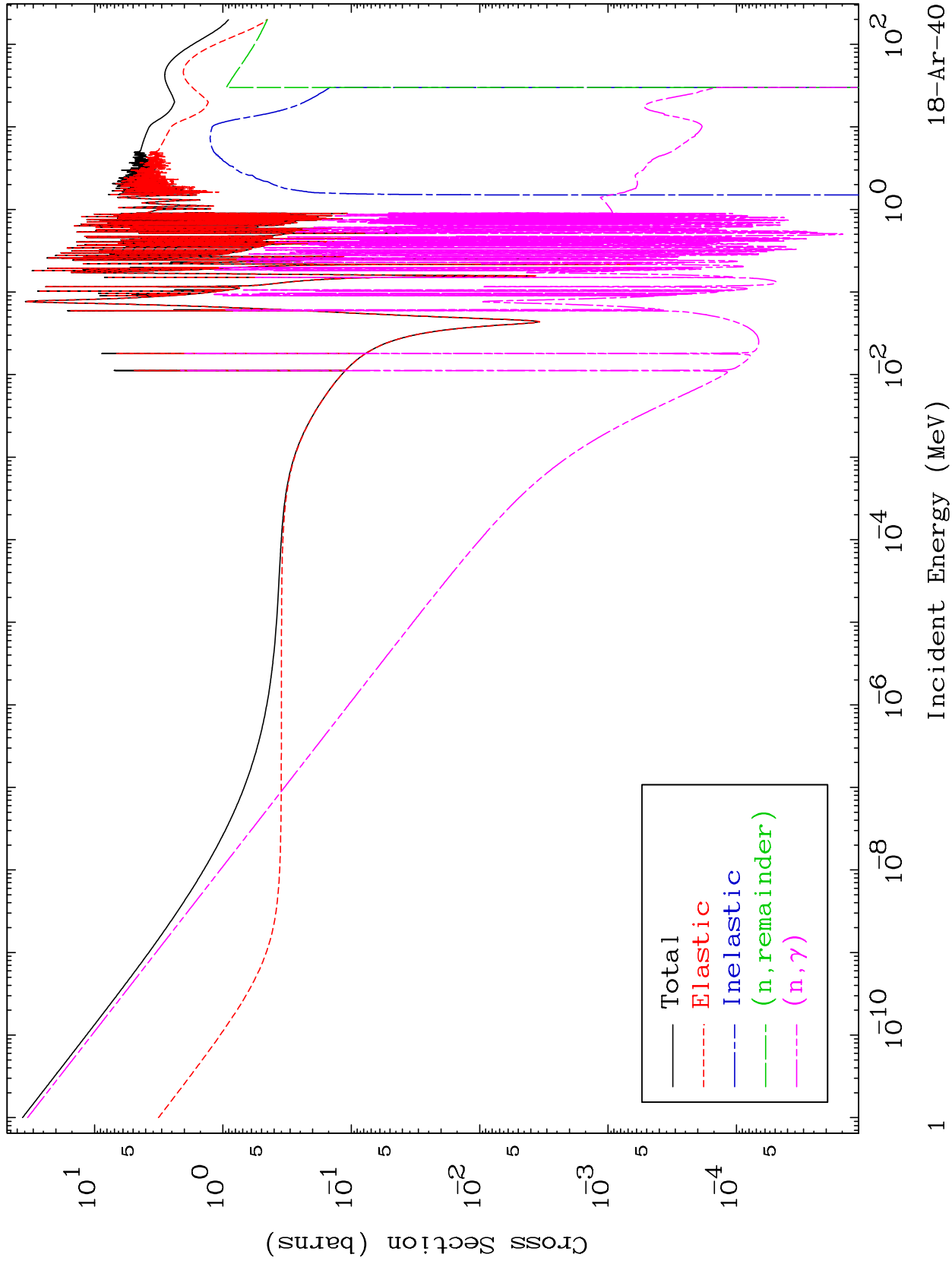
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 1837

Major
293 Kelvin Cross Sections

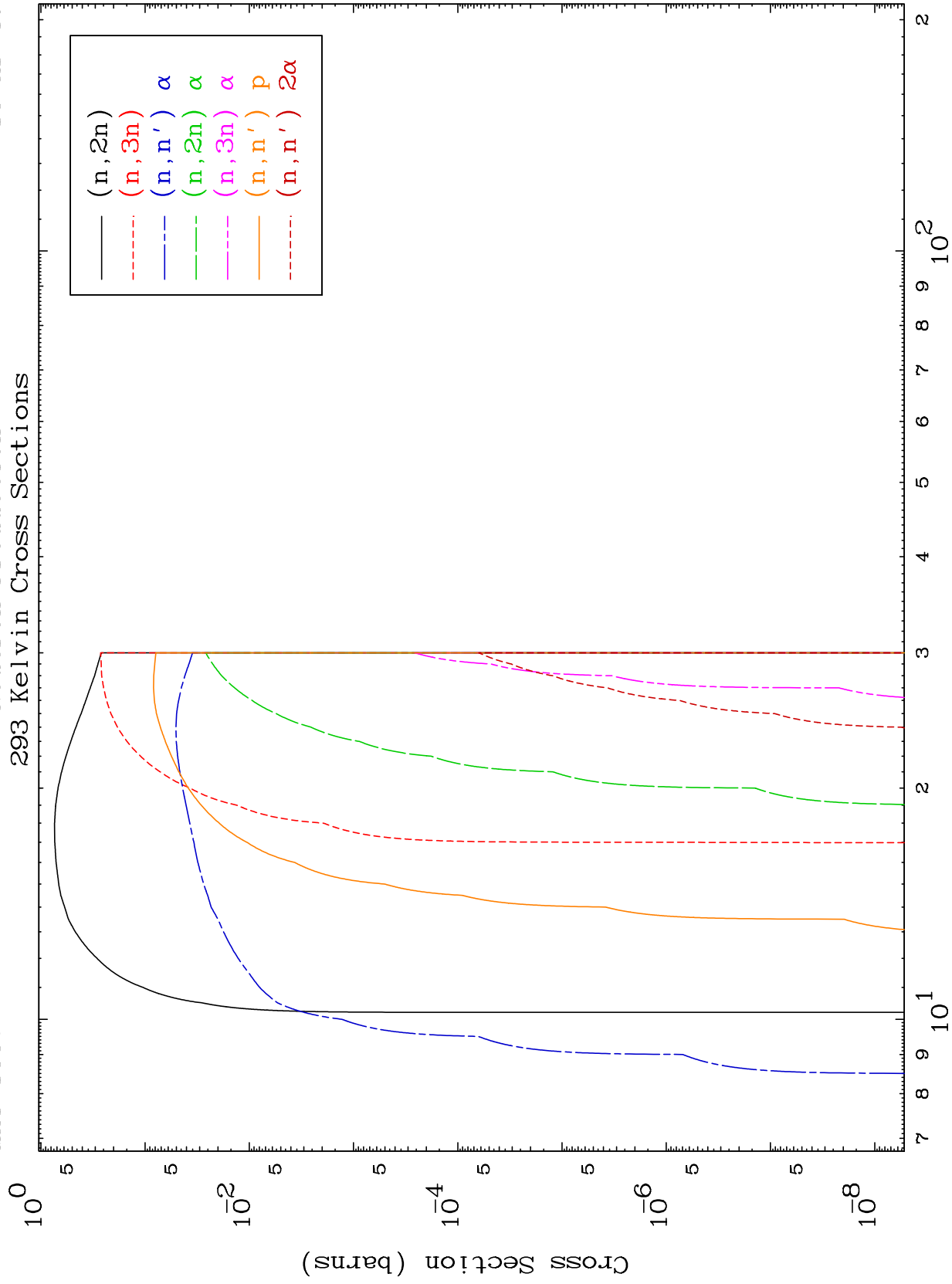
18-Ar-40



MAT 1837

Neutron Production
293 Kelvin Cross Sections

18-Ar-40



2

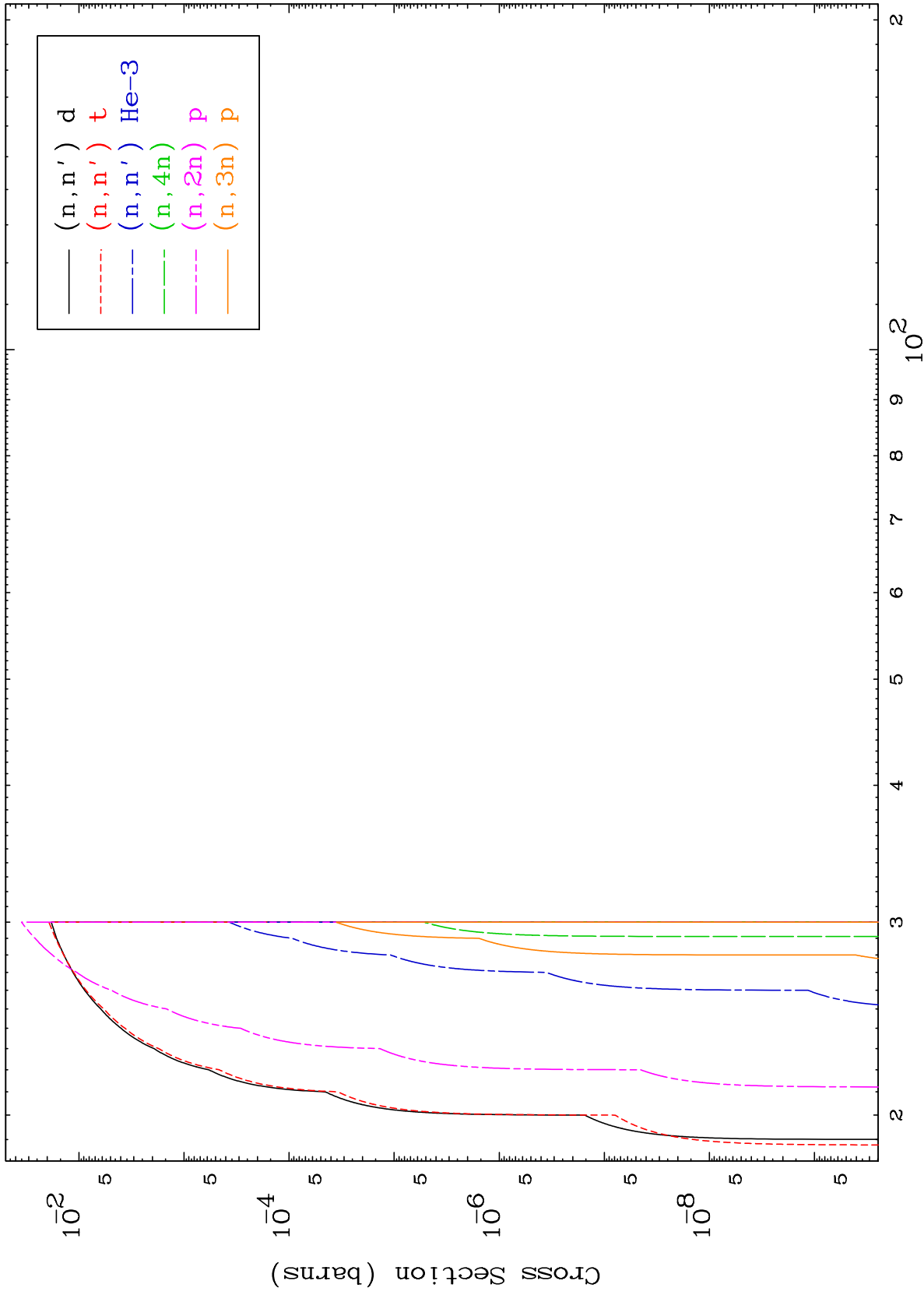
Incident Energy (MeV)

18-Ar-40

MAT 1837

Neutron Production
293 Kelvin Cross Sections

18-Ar-40



3

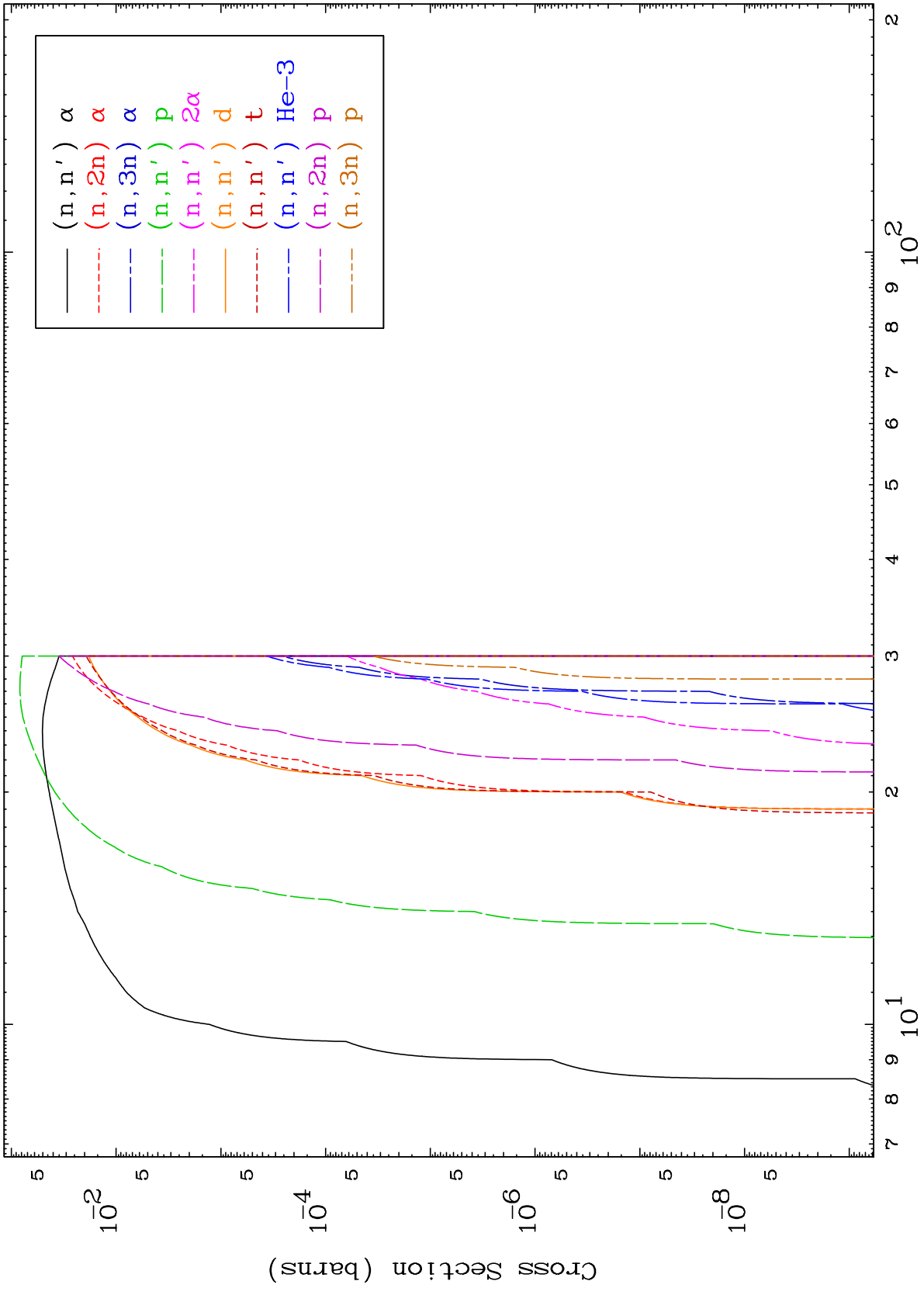
Incident Energy (MeV)

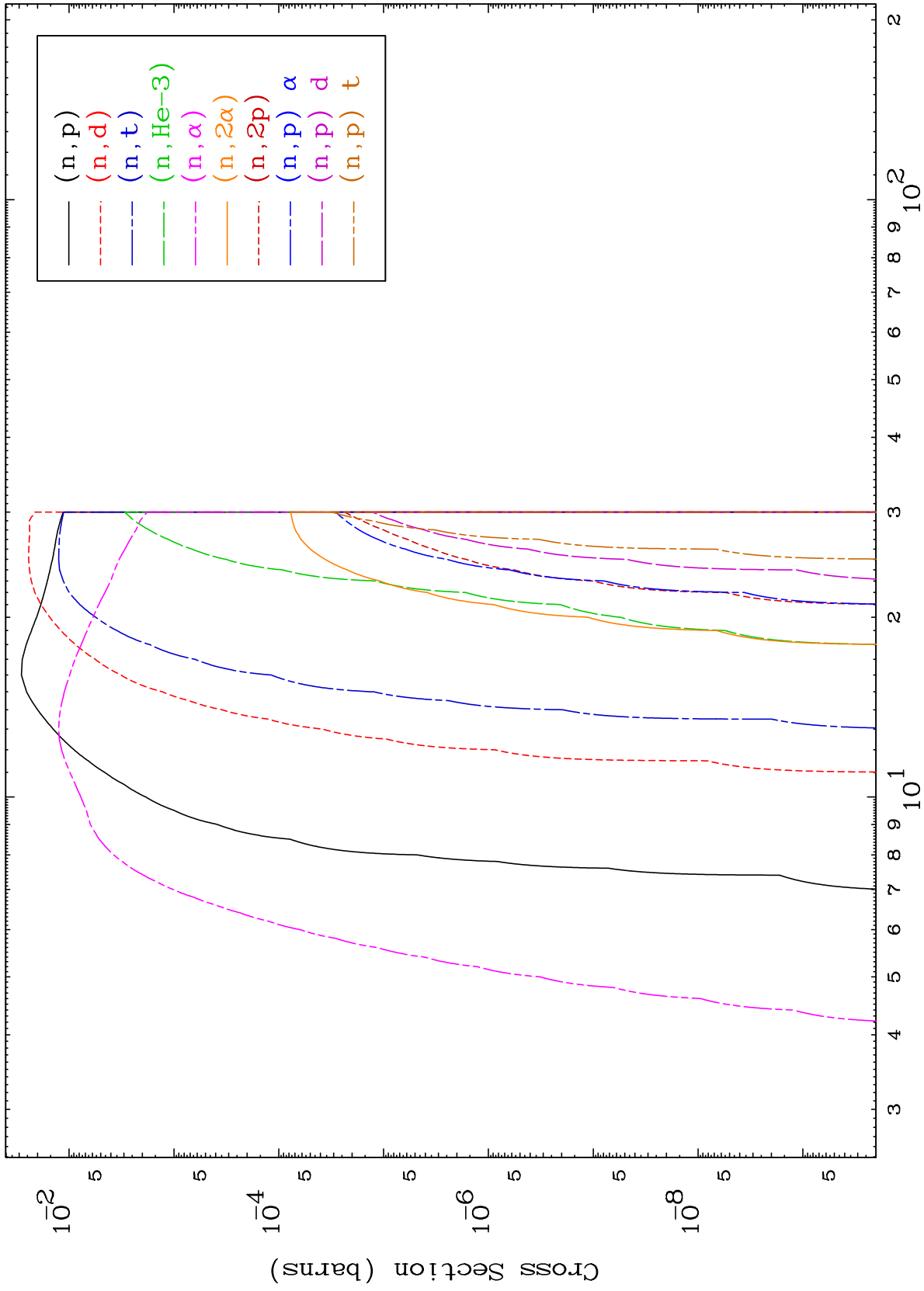
18-Ar-40

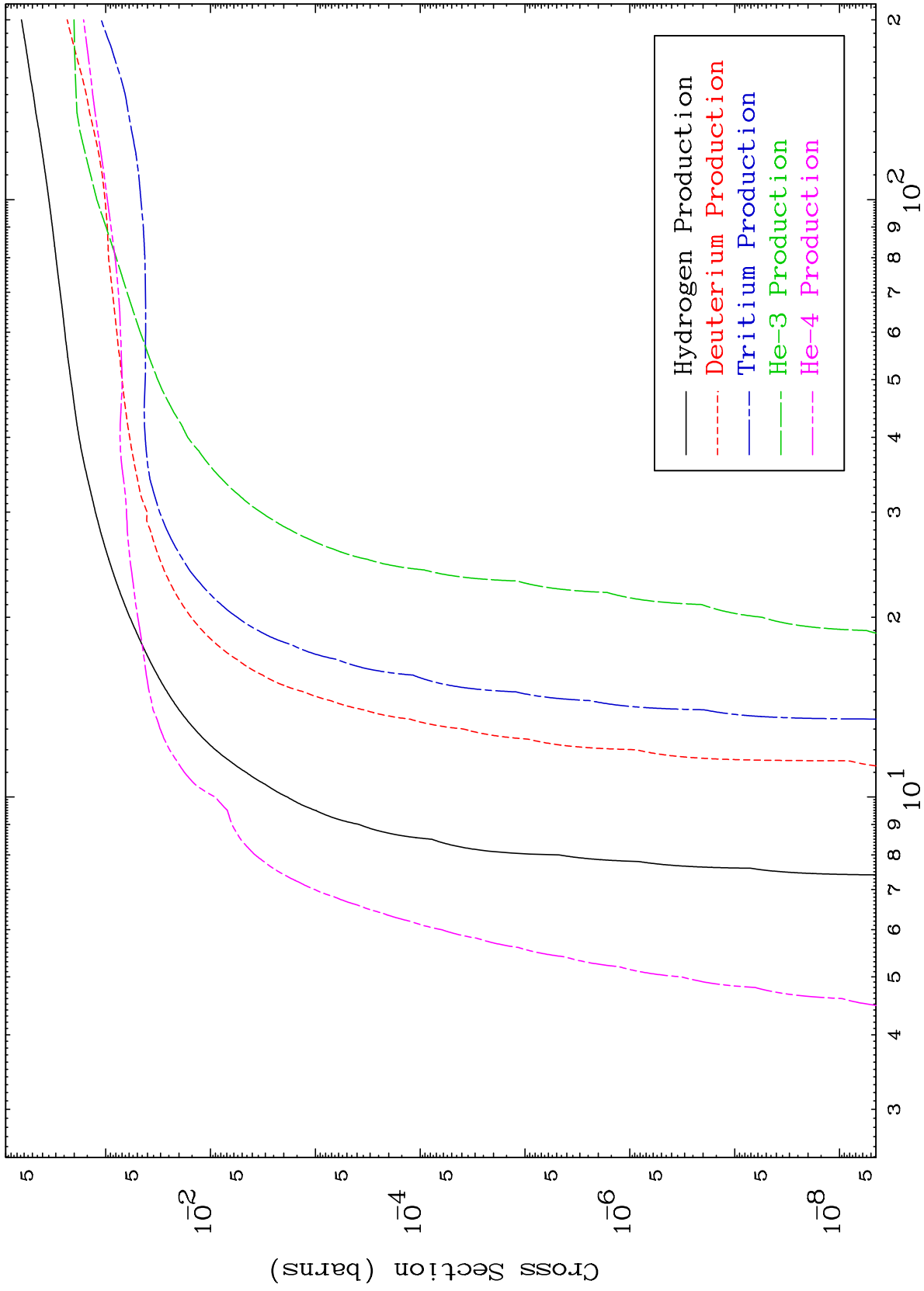
MAT 1837

Charged Particle
293 Kelvin Cross Sections

18-Ar-40





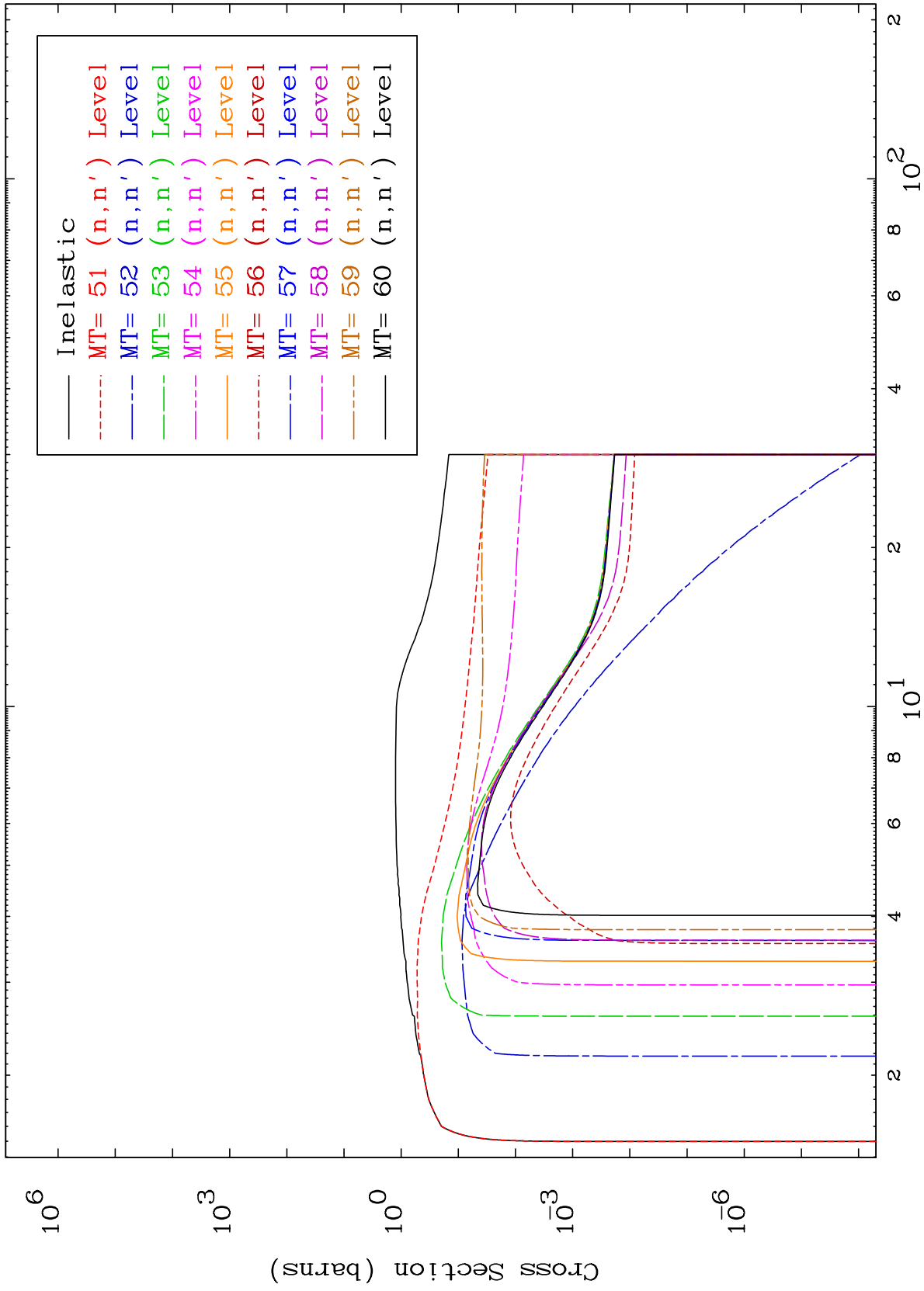


MAT 1837

(n,n') Level

18-Ar-40

293 Kelvin Cross Sections



7

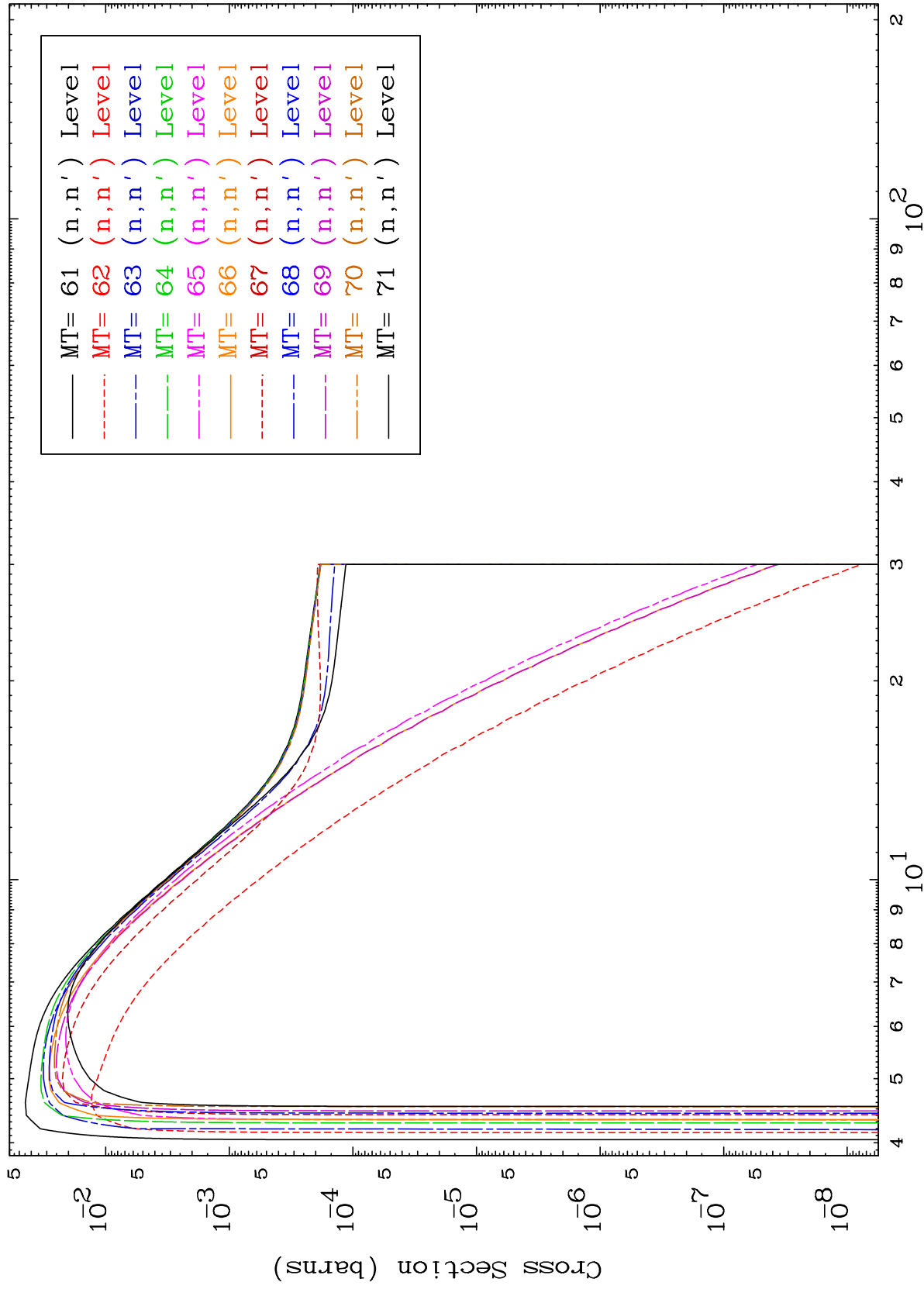
Incident Energy (MeV)

18-Ar-40

MAT 1837

(n,n') Level
293 Kelvin Cross Sections

18-Ar-40



8

Incident Energy (MeV)

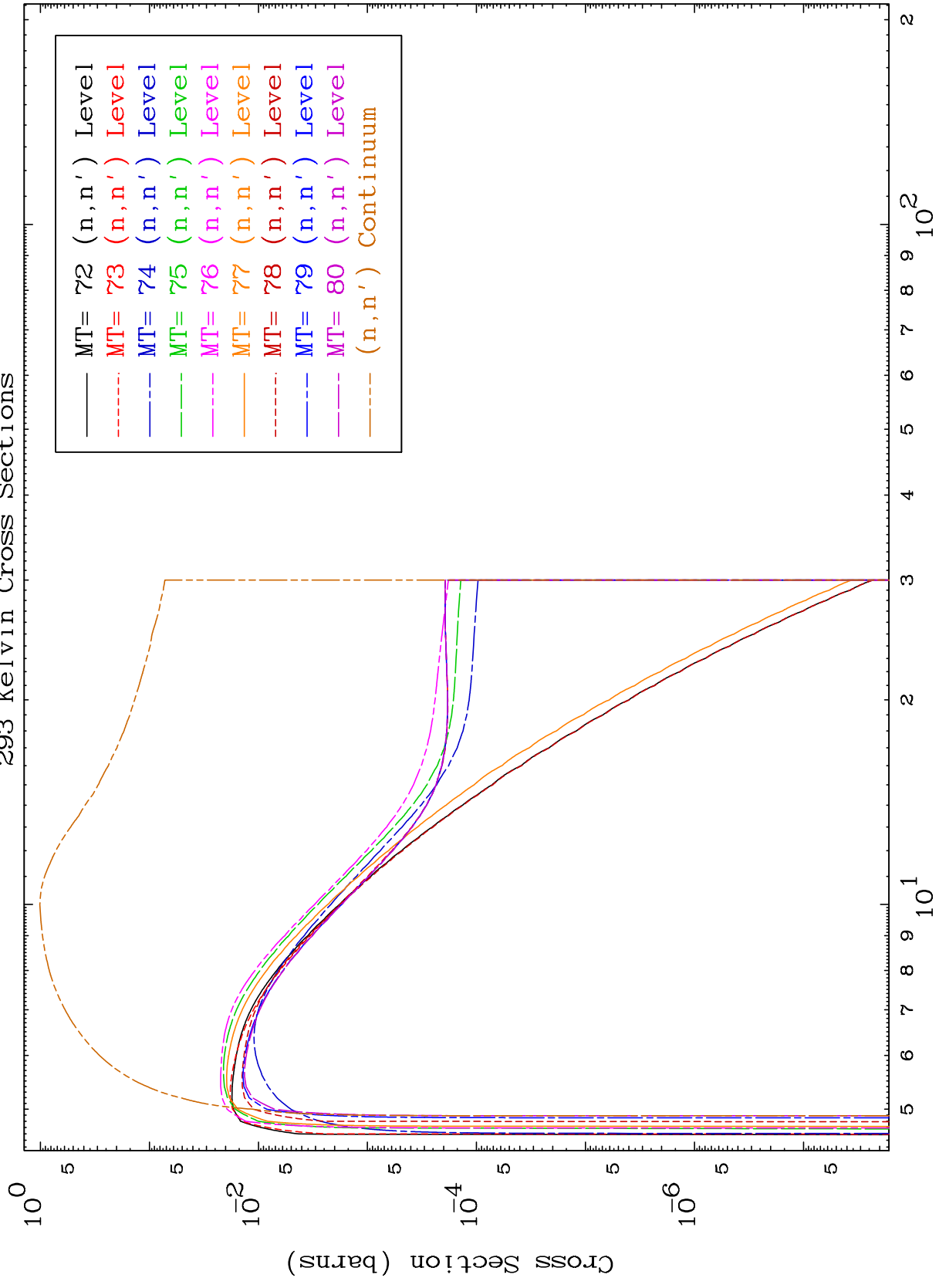
18-Ar-40

MAT 1837

(n,n') Level

18-Ar-40

293 Kelvin Cross Sections



9

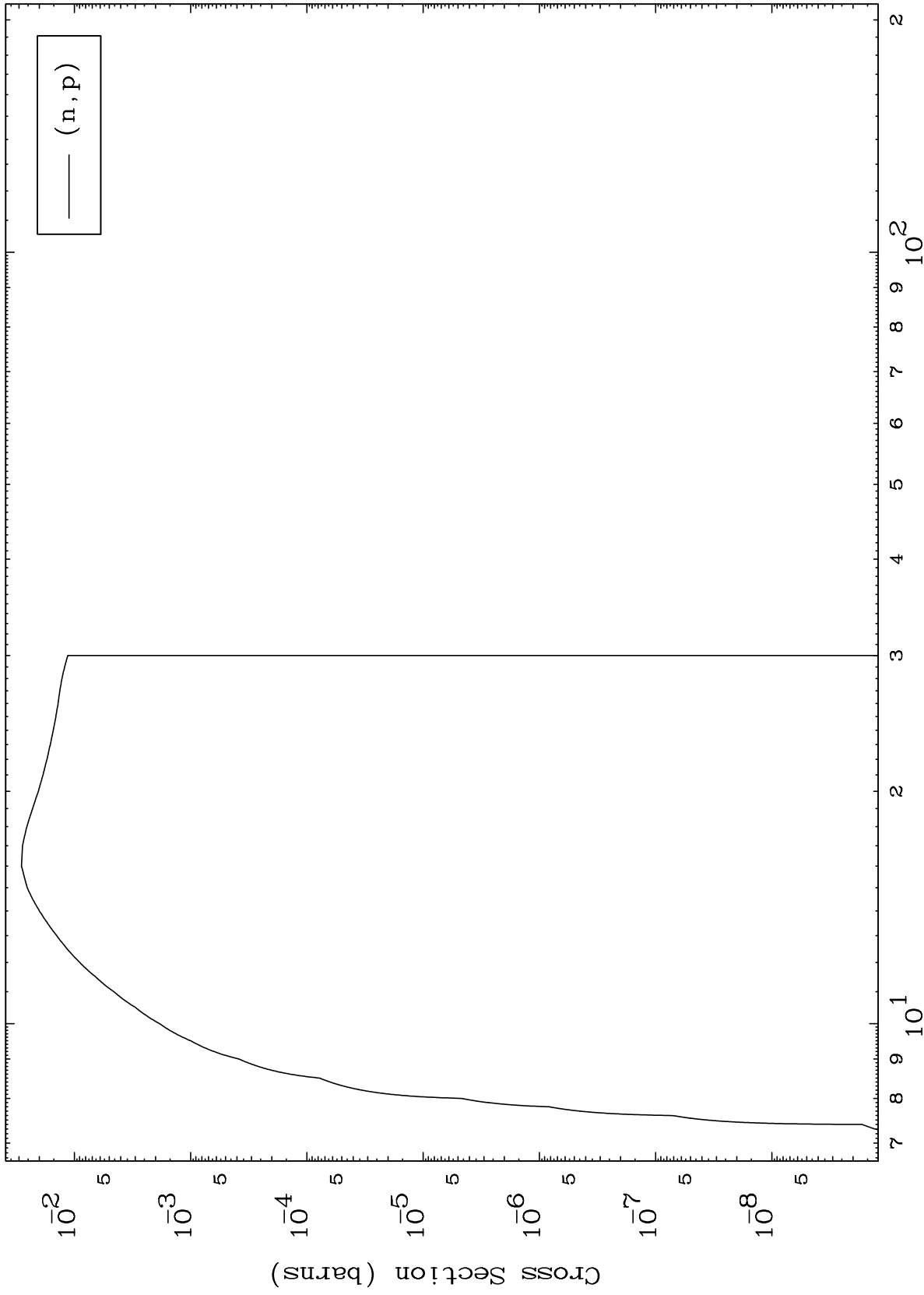
Incident Energy (MeV)

18-Ar-40

MAT 1837

(n,p) Levels
293 Kelvin Cross Sections

18-Ar-40



10

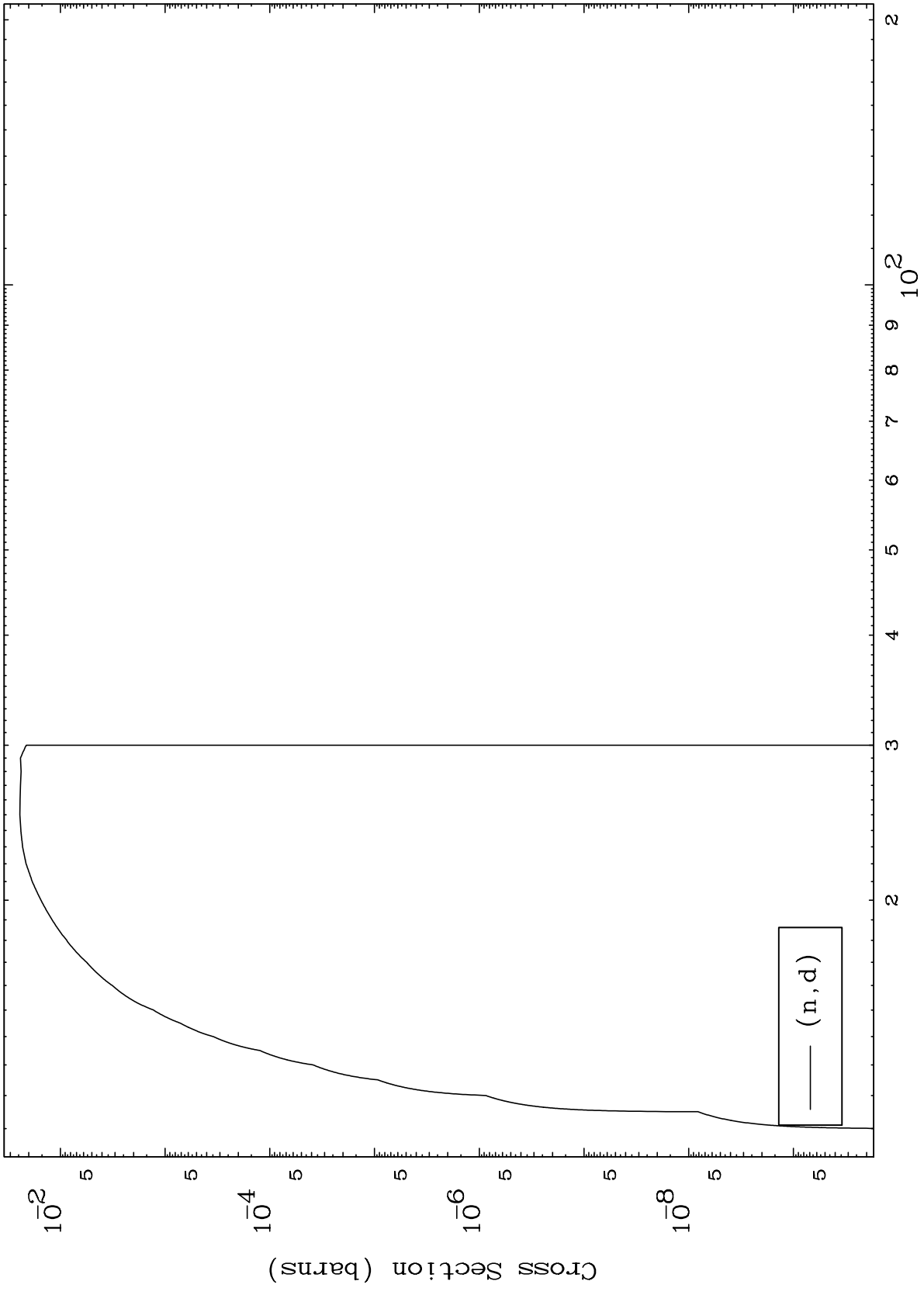
Incident Energy (MeV)

18-Ar-40

MAT 1837

(n,d) Levels
293 Kelvin Cross Sections

18-Ar-40



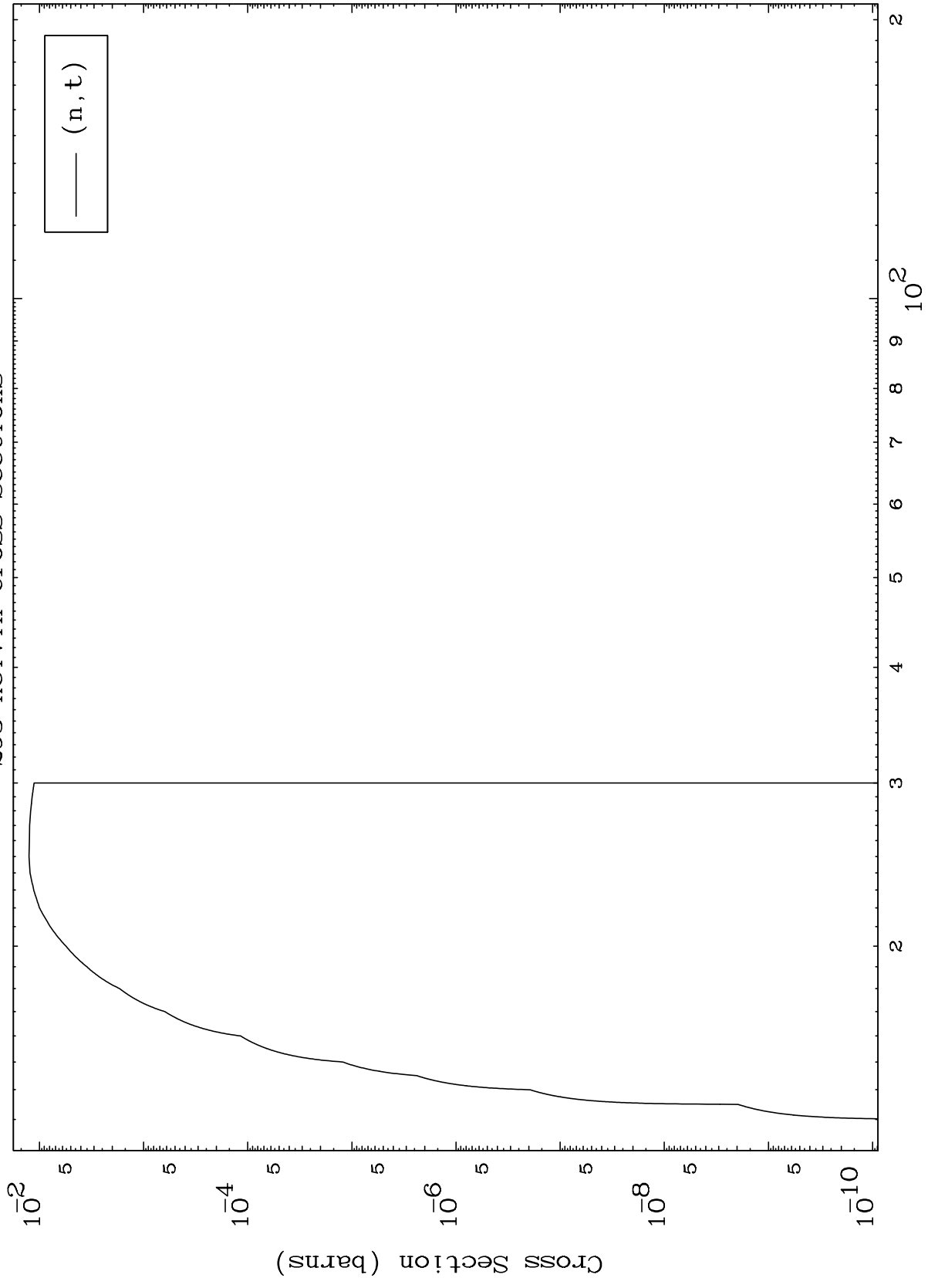
11

18-Ar-40

MAT 1837

(n,t) Levels
293 Kelvin Cross Sections

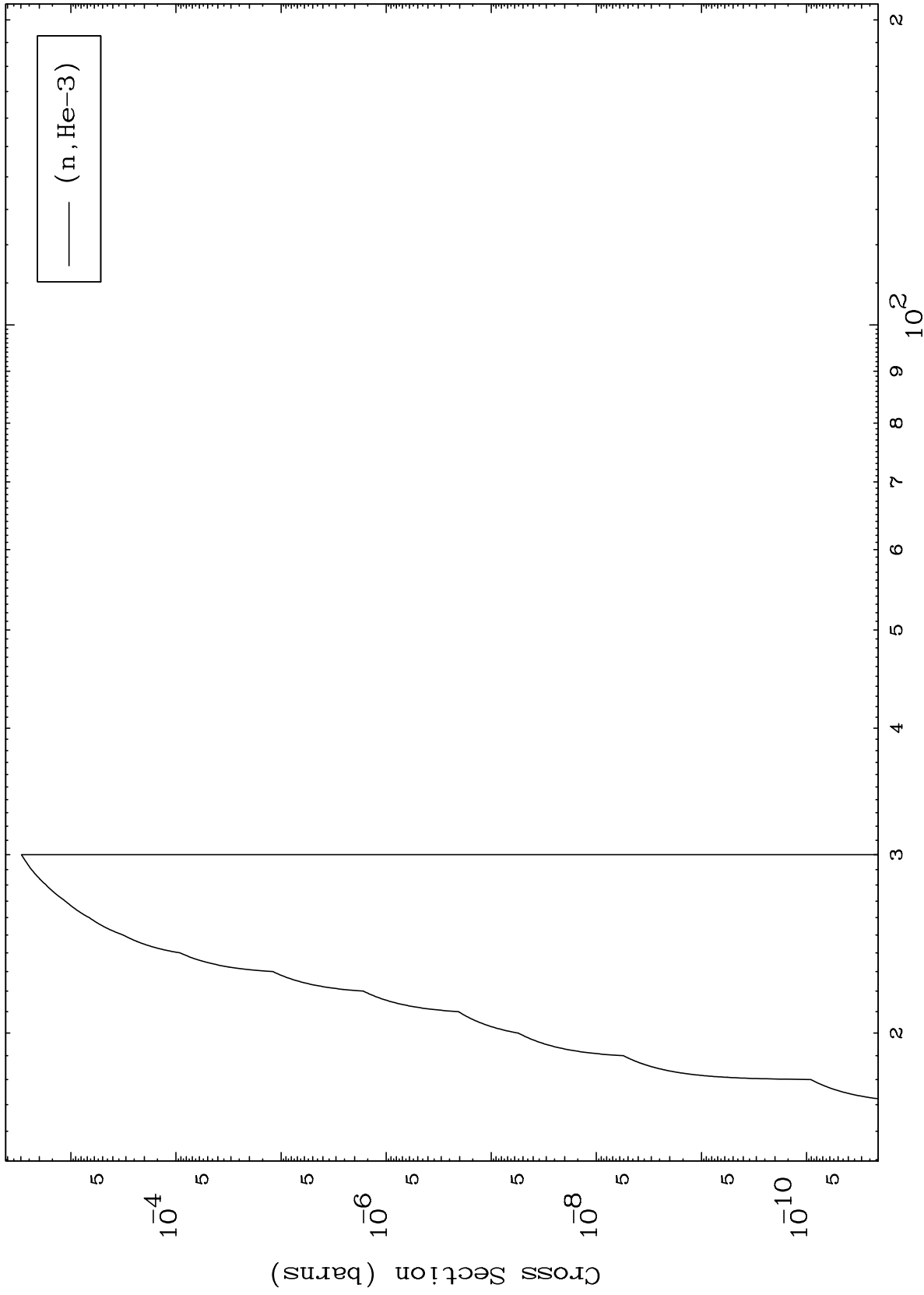
18-Ar-40



12

Incident Energy (MeV)

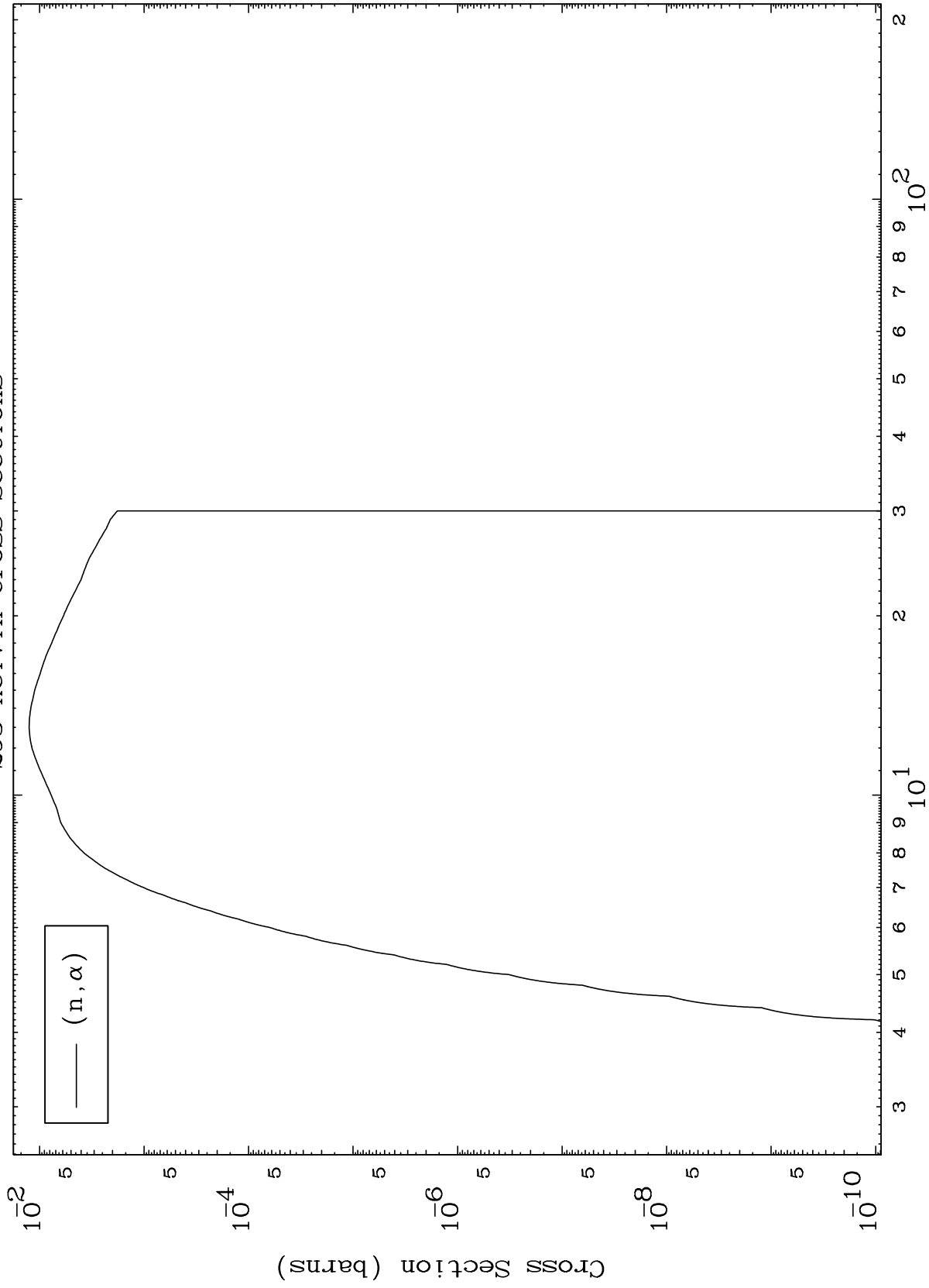
18-Ar-40



MAT 1837

(n,α) Levels
293 Kelvin Cross Sections

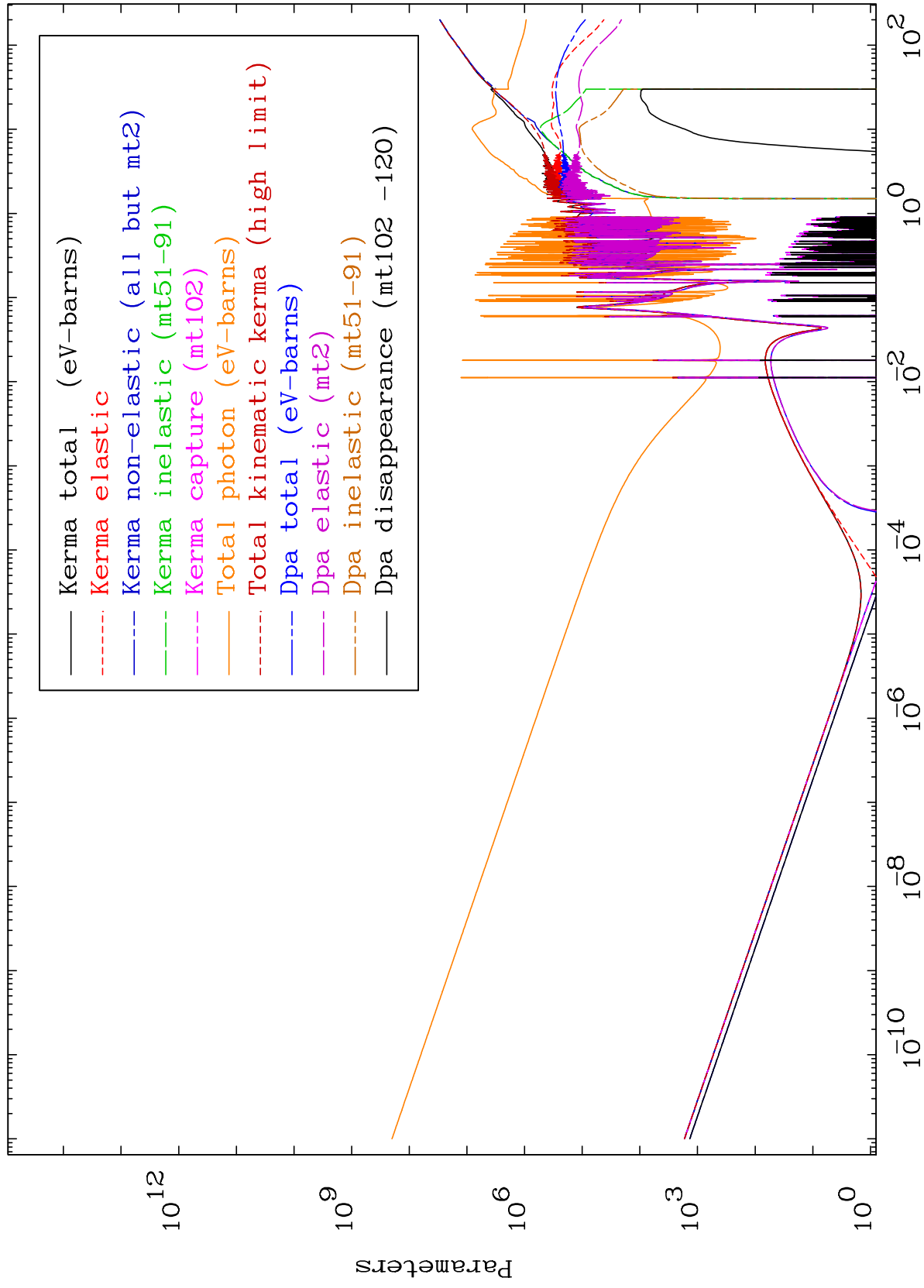
18-Ar-40



14

Incident Energy (MeV)

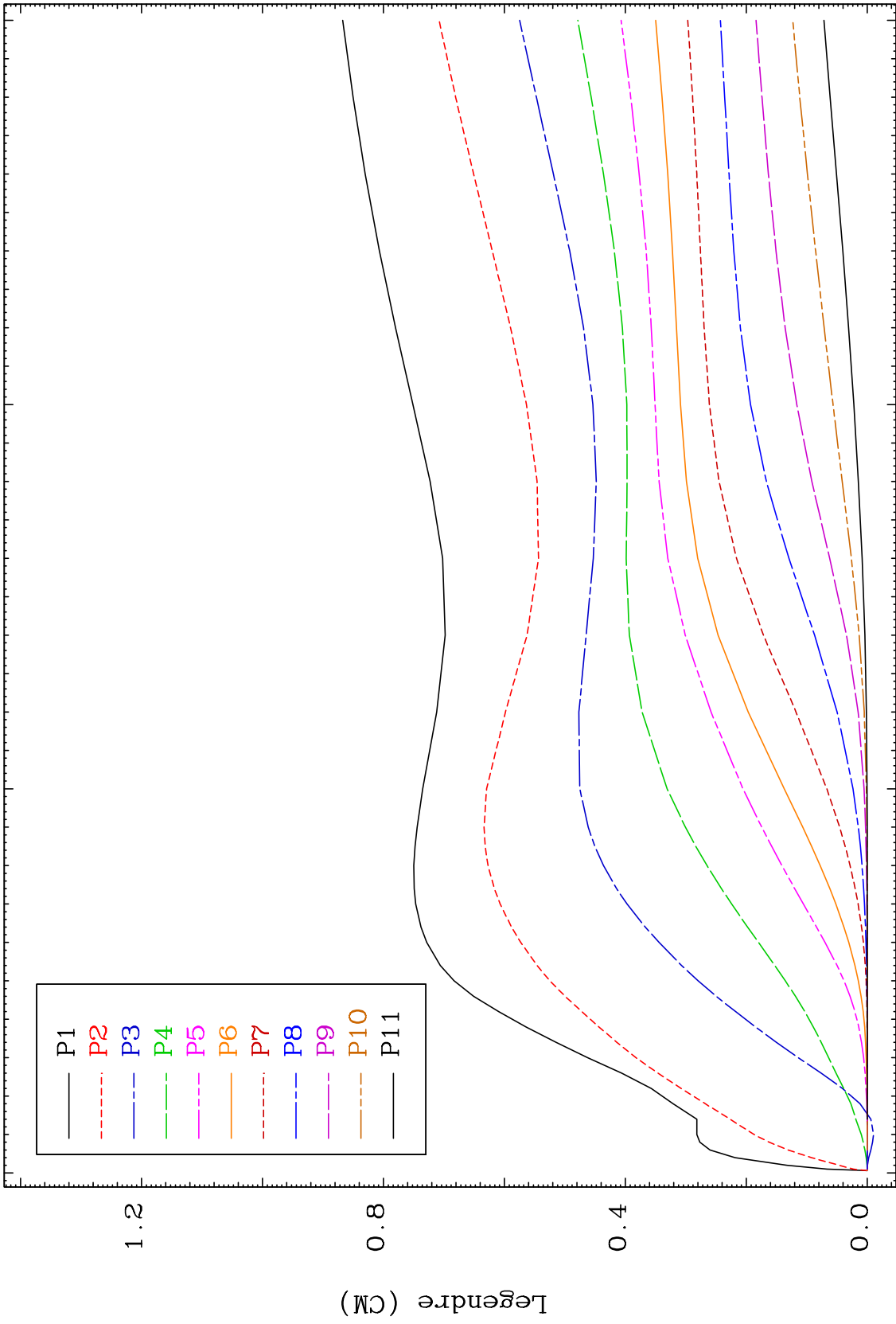
18-Ar-40



MAT 1837

Elastic Legendre Coefficients

18-Ar-40



16

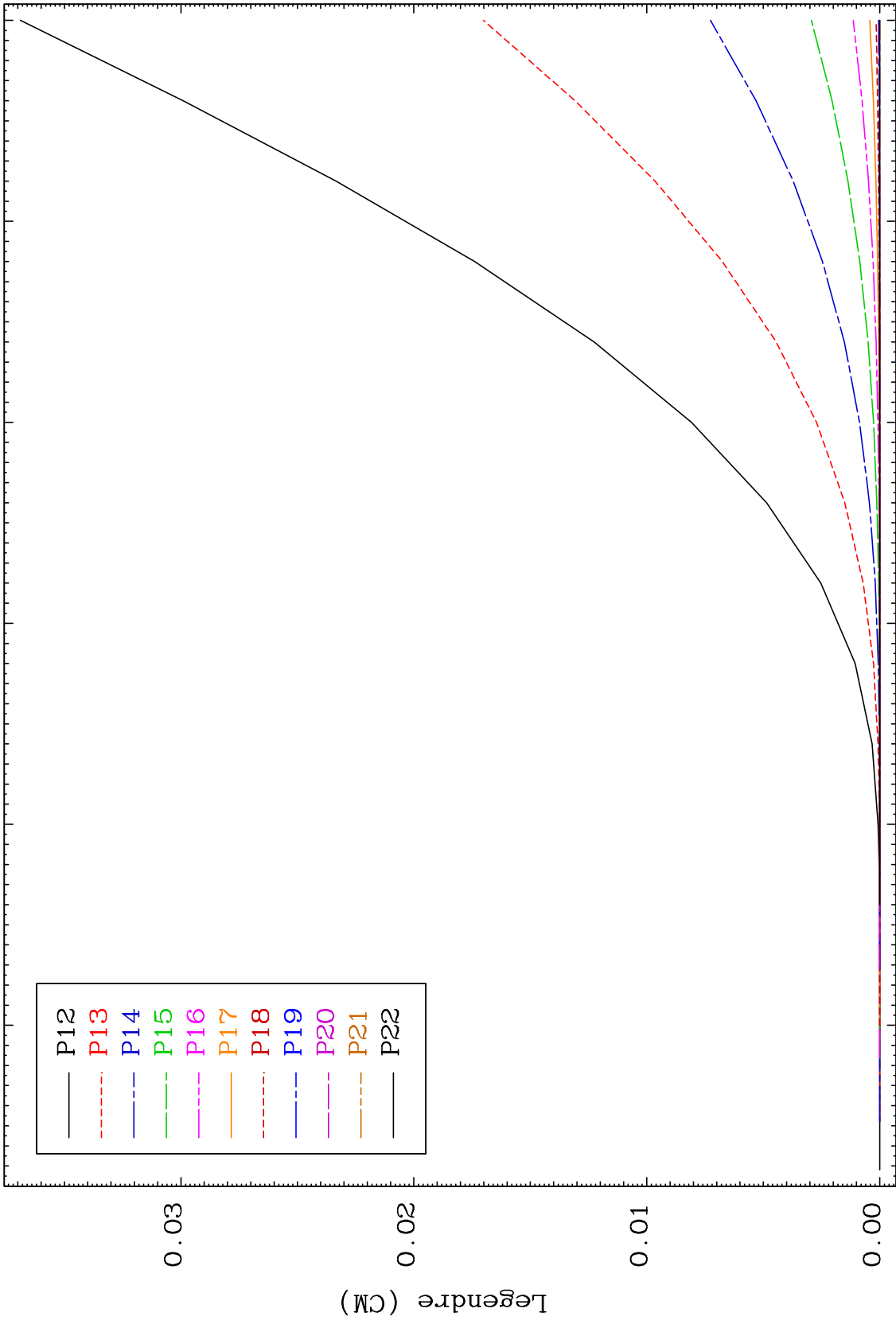
Incident Energy (MeV)

18-Ar-40

MAT 1837

Elastic Legendre Coefficients

18-Ar-40



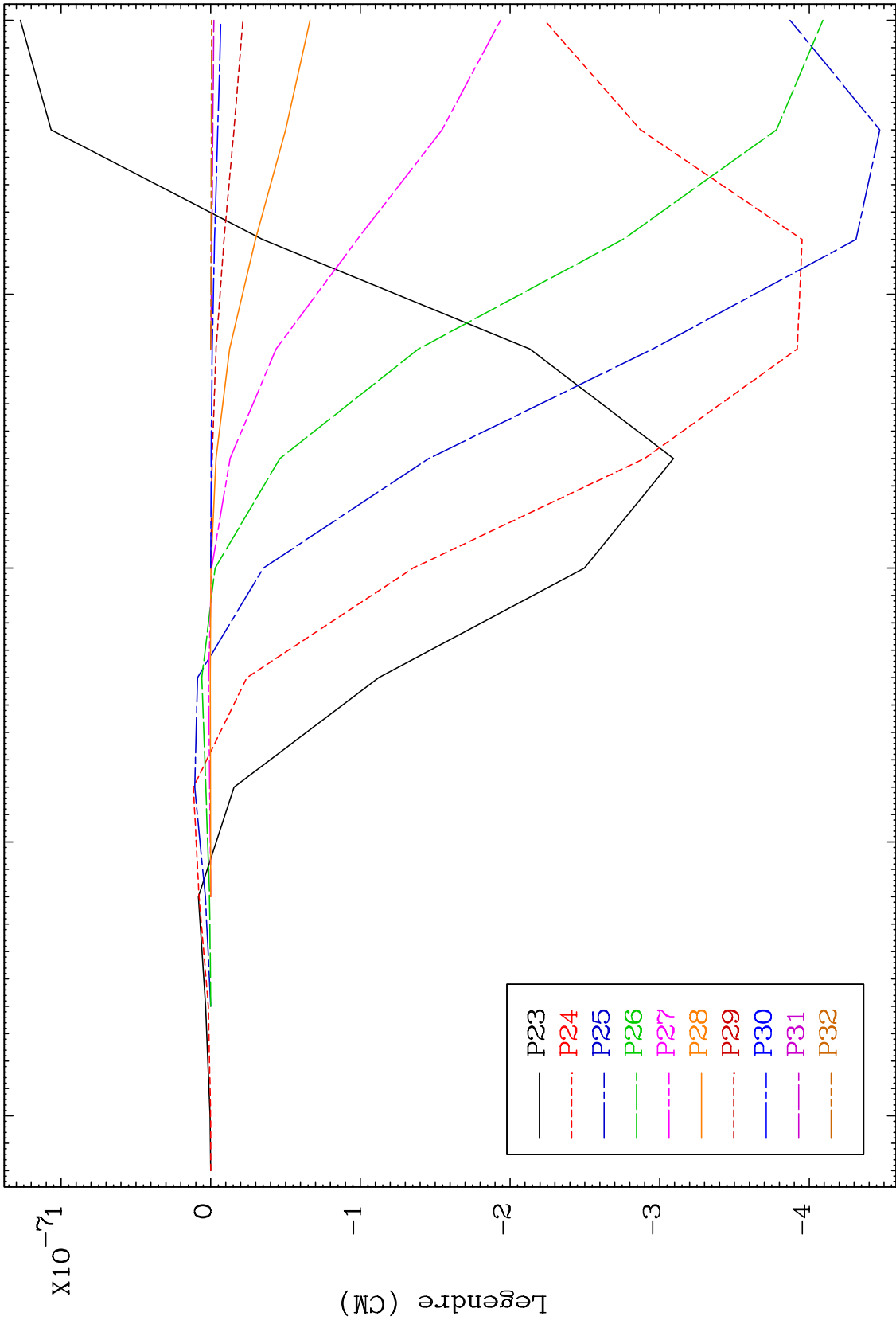
17

18-Ar-40

MAT 1837

Elastic Legendre Coefficients

18-Ar-40

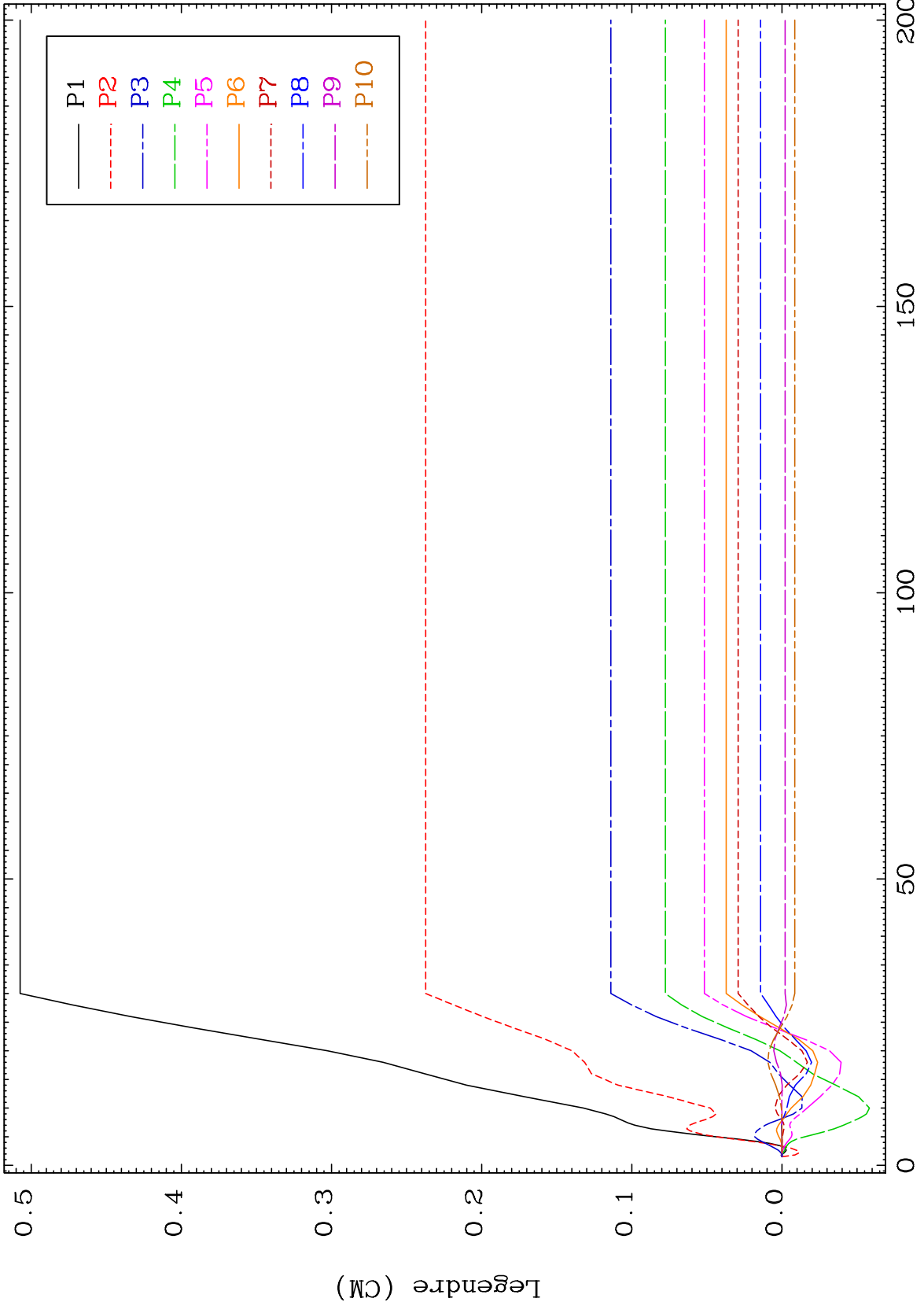


18

Incident Energy (MeV)

18-Ar-40

MAT 1837 MT= 51 (n,n') Level Legendre Coefficients 18-Ar-40

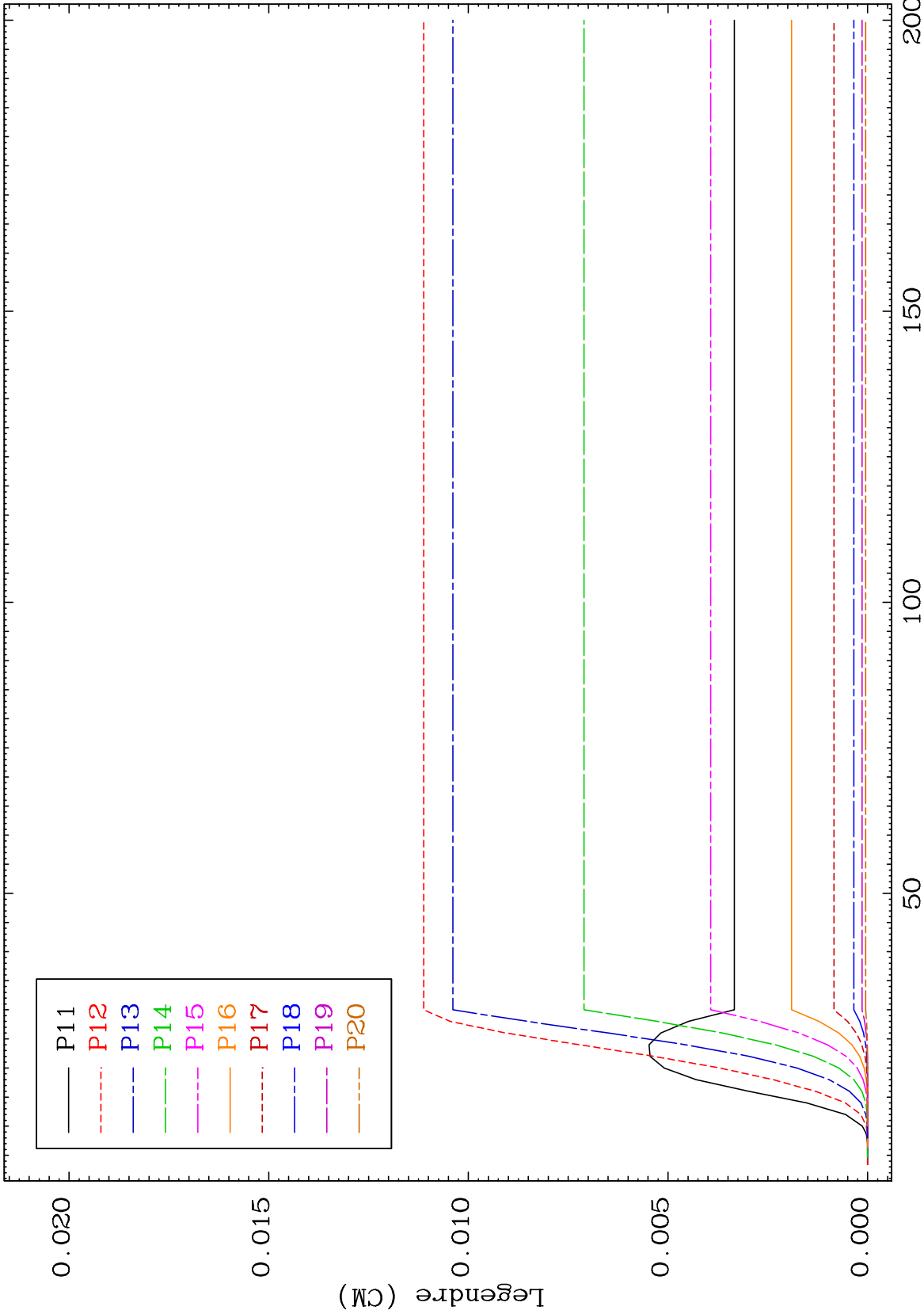


19 18-Ar-40

MAT 1837

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

18-Ar-40



20

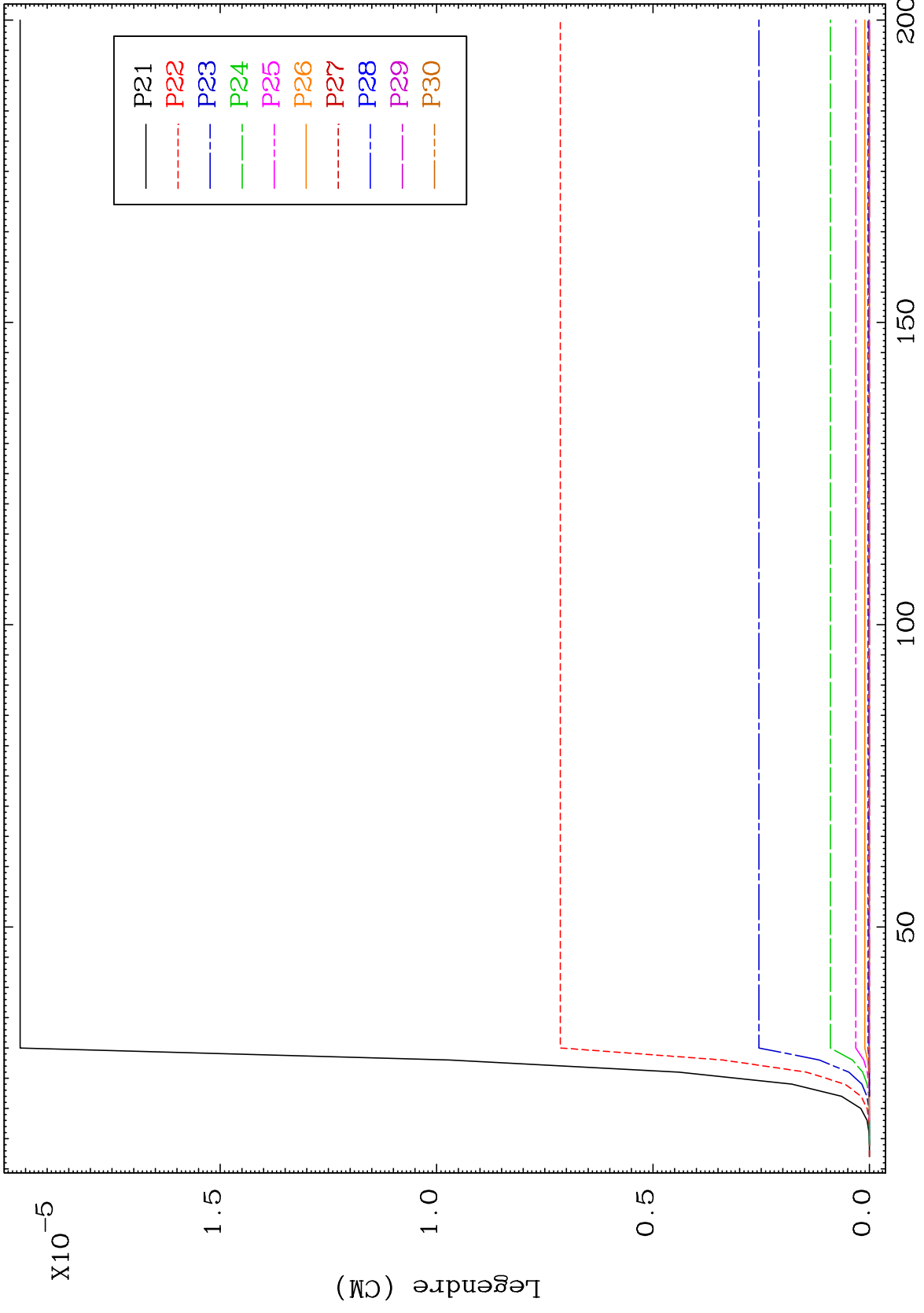
Incident Energy (MeV)

18-Ar-40

MAT 1837

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

18-Ar-40

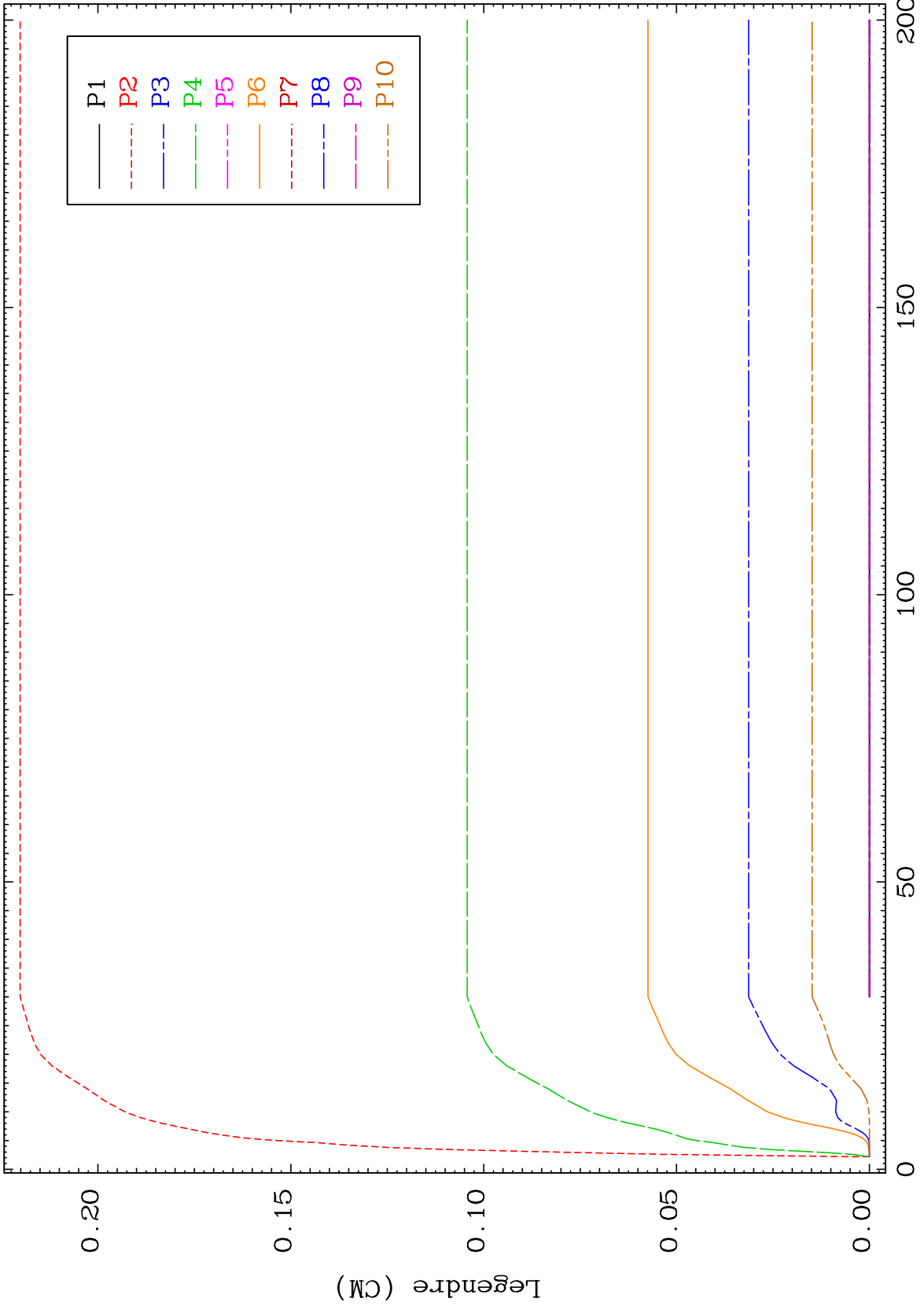


21

Incident Energy (MeV)

18-Ar-40

MAT 1837 MT= 52 (n,n') Level Legendre Coefficients 18-Ar-40

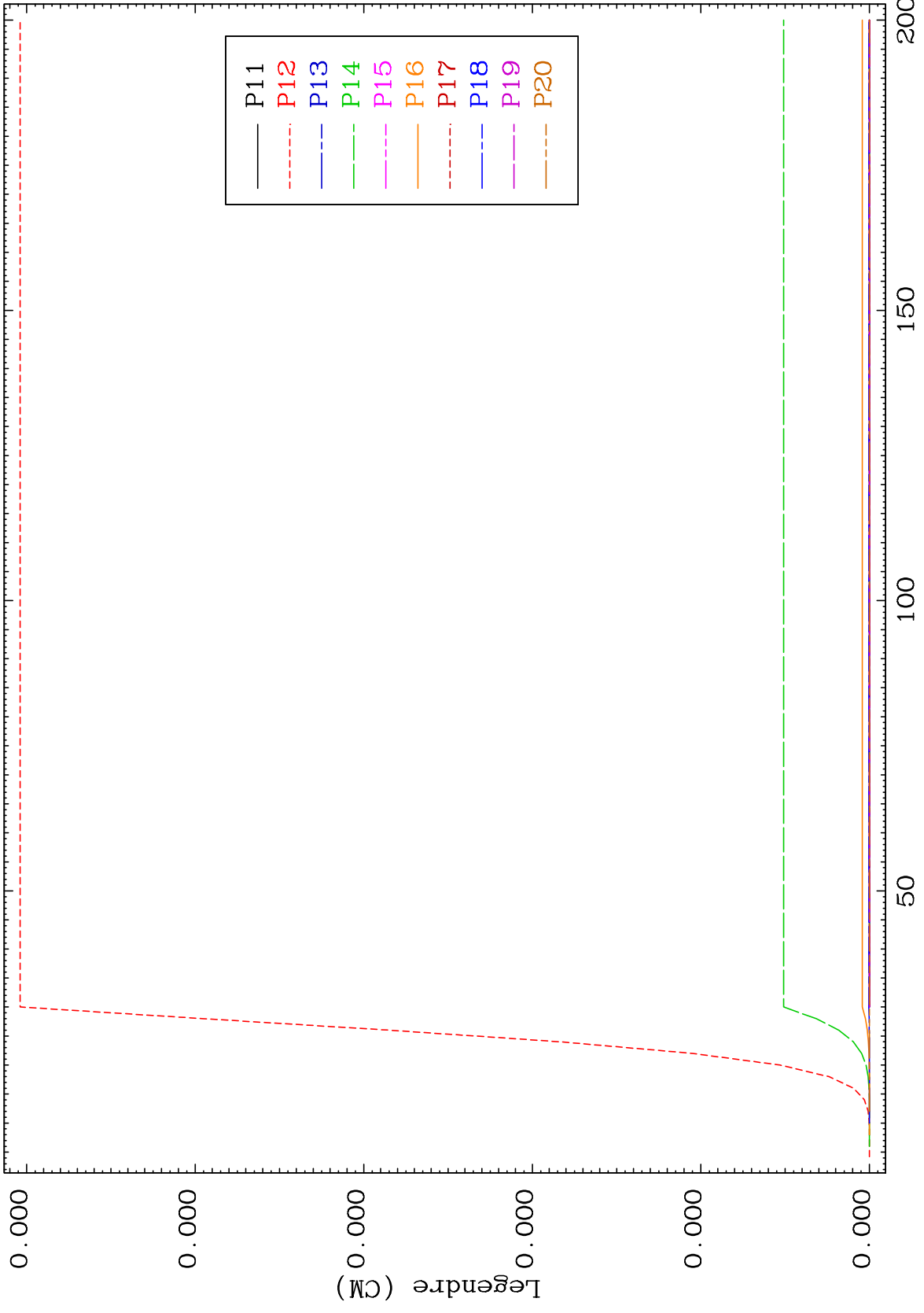


22 18-Ar-40

MAT 1837 MT= 52 (n,n') Level Legendre Coefficients

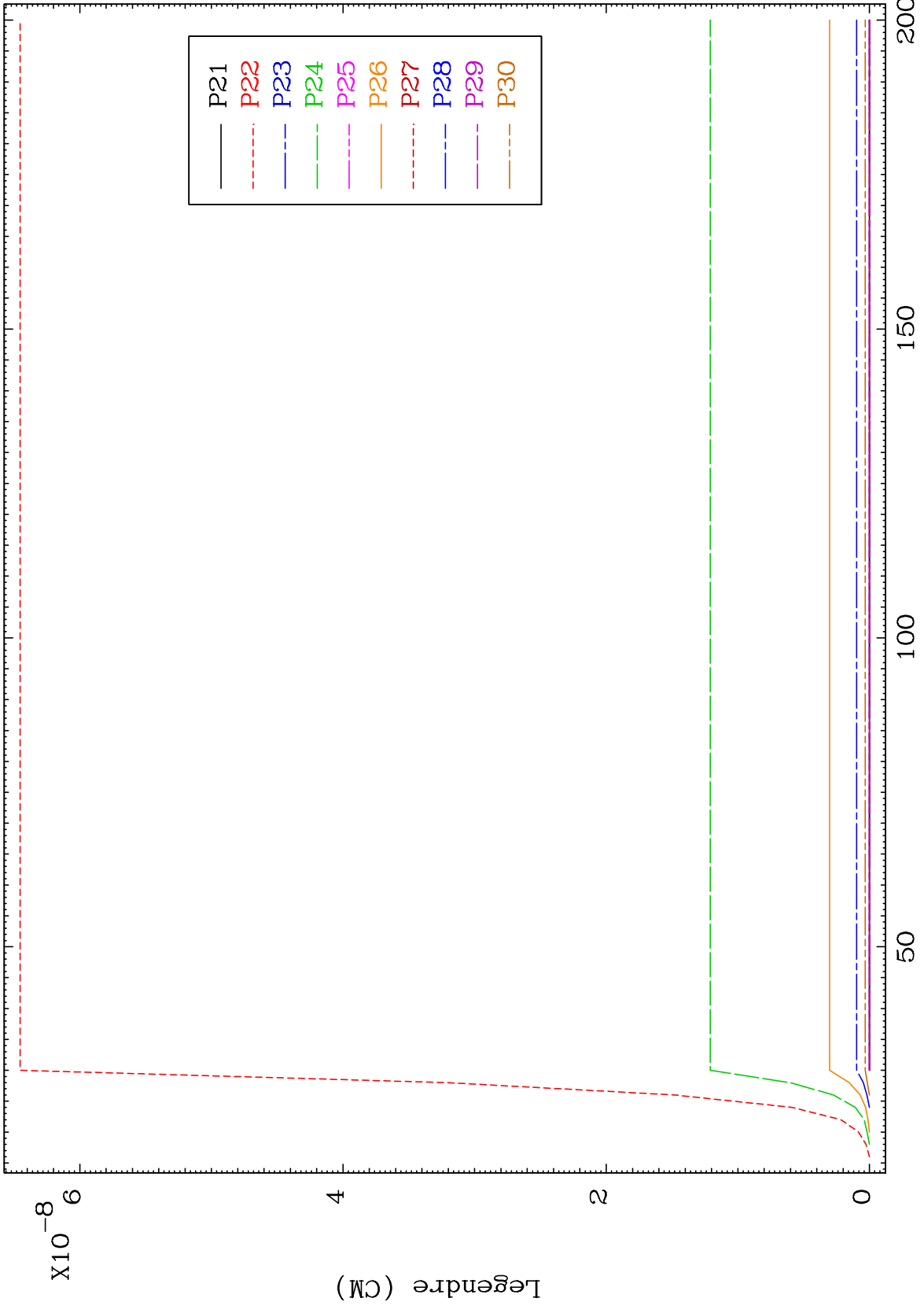
18-Ar-40

18-Ar-40



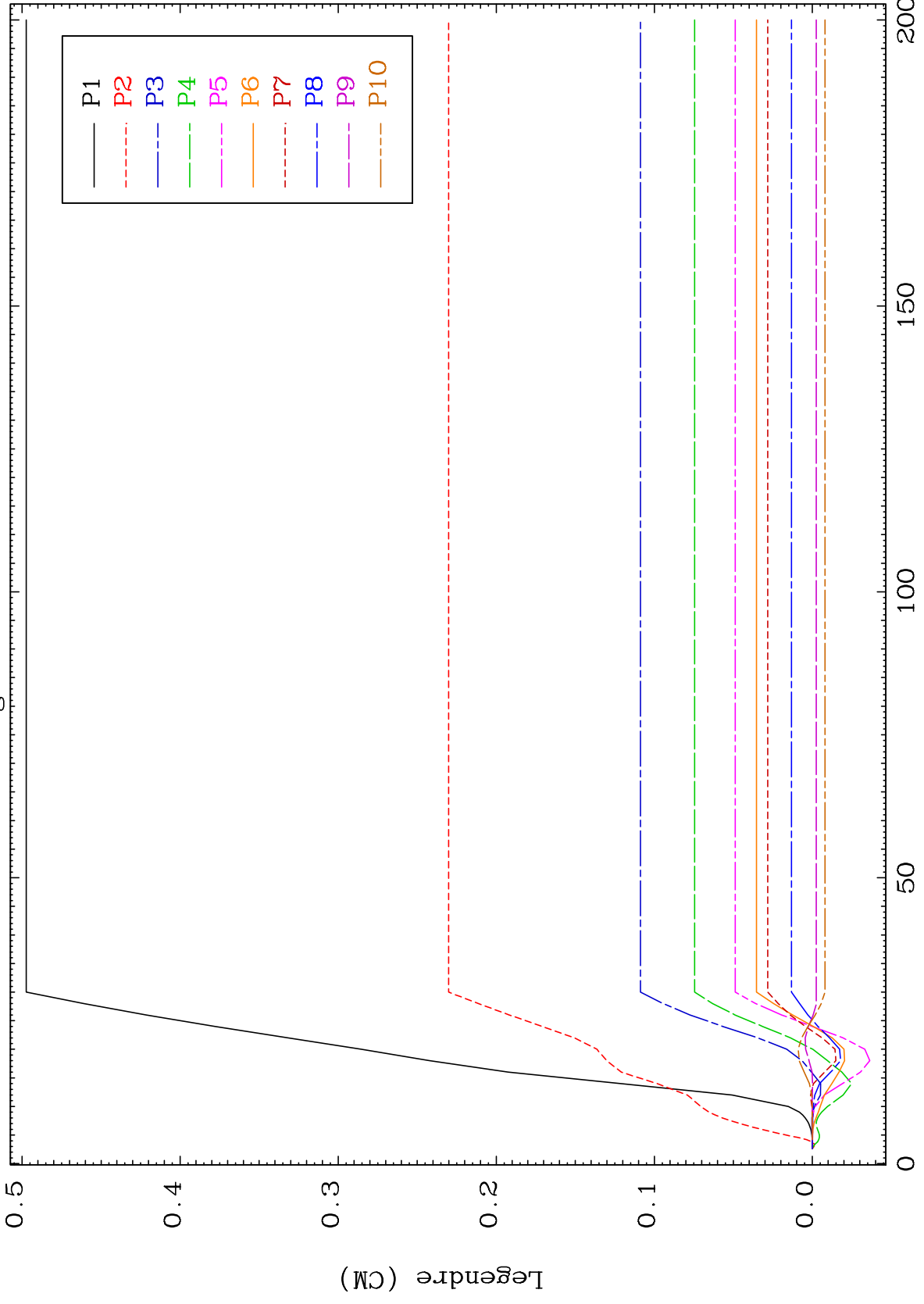
23

MAT 1837 MT= 52 (n,n') Level Legendre Coefficients 18-Ar-40



24 50 100 150 200 18-Ar-40

MAT 1837 MT= 53 (n,n') Level Legendre Coefficients 18-Ar-40

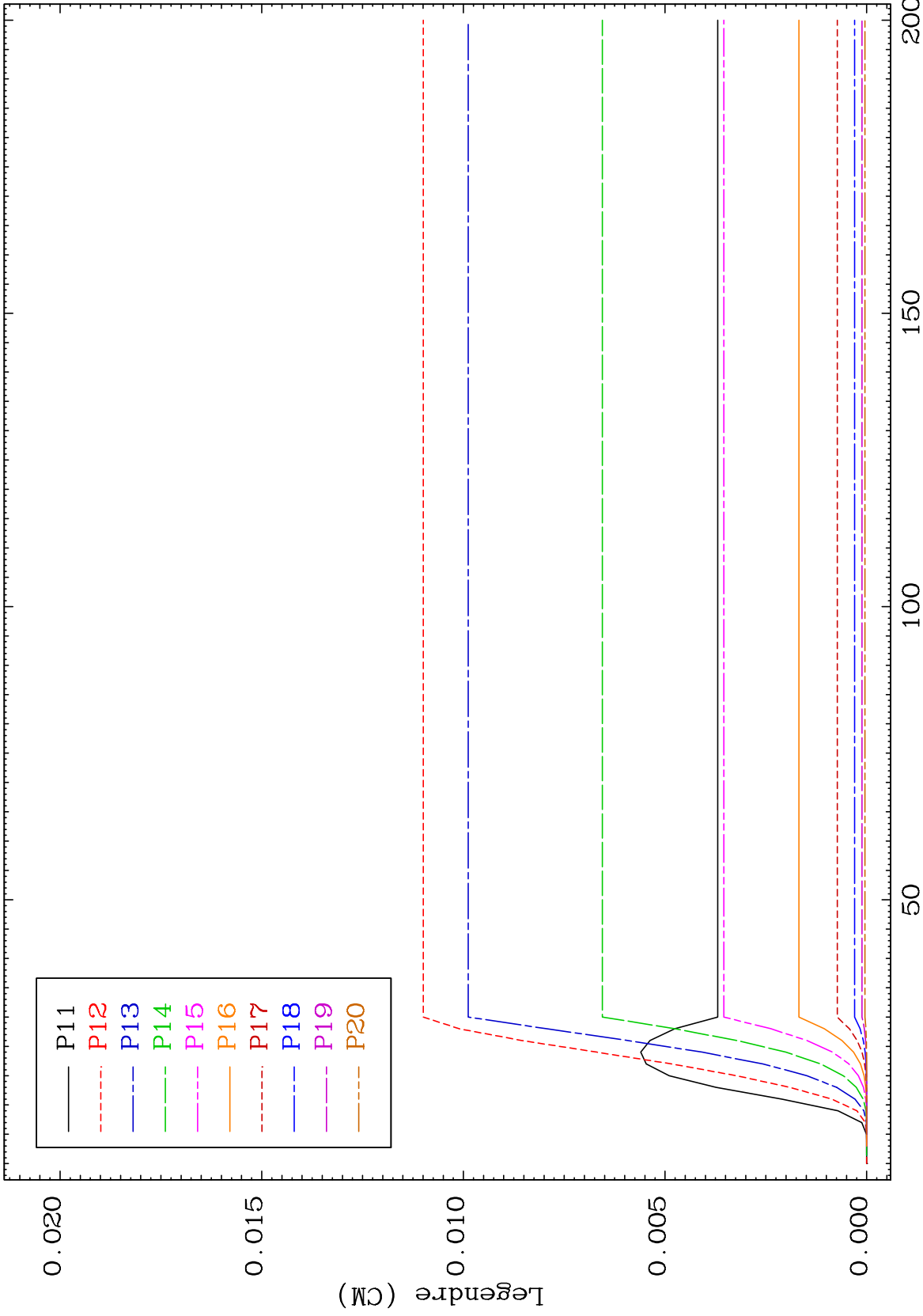


18-Ar-40

MAT 1837

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

18-Ar-40



26

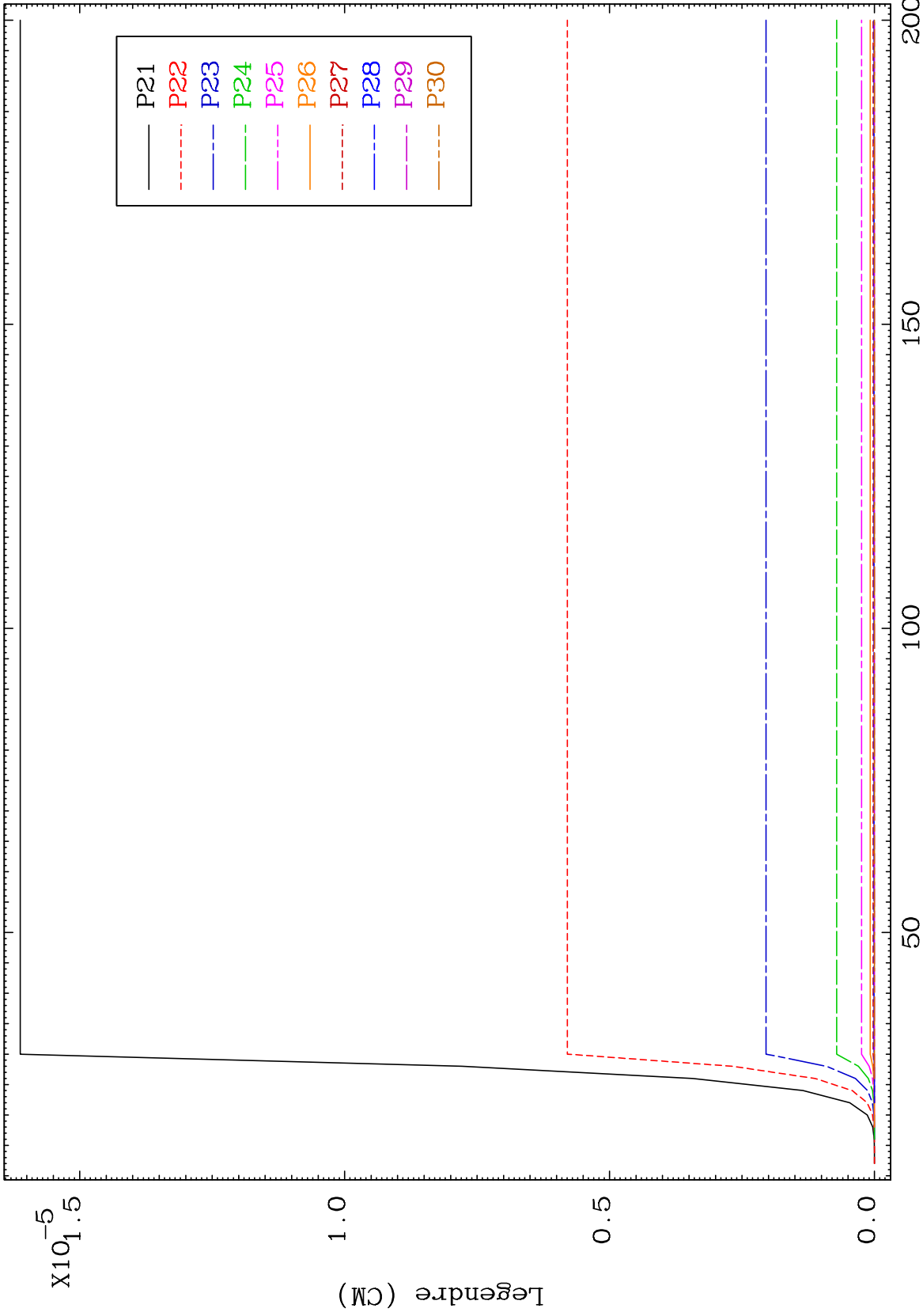
Incident Energy (MeV)

18-Ar-40

MAT 1837

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

18-Ar-40



27

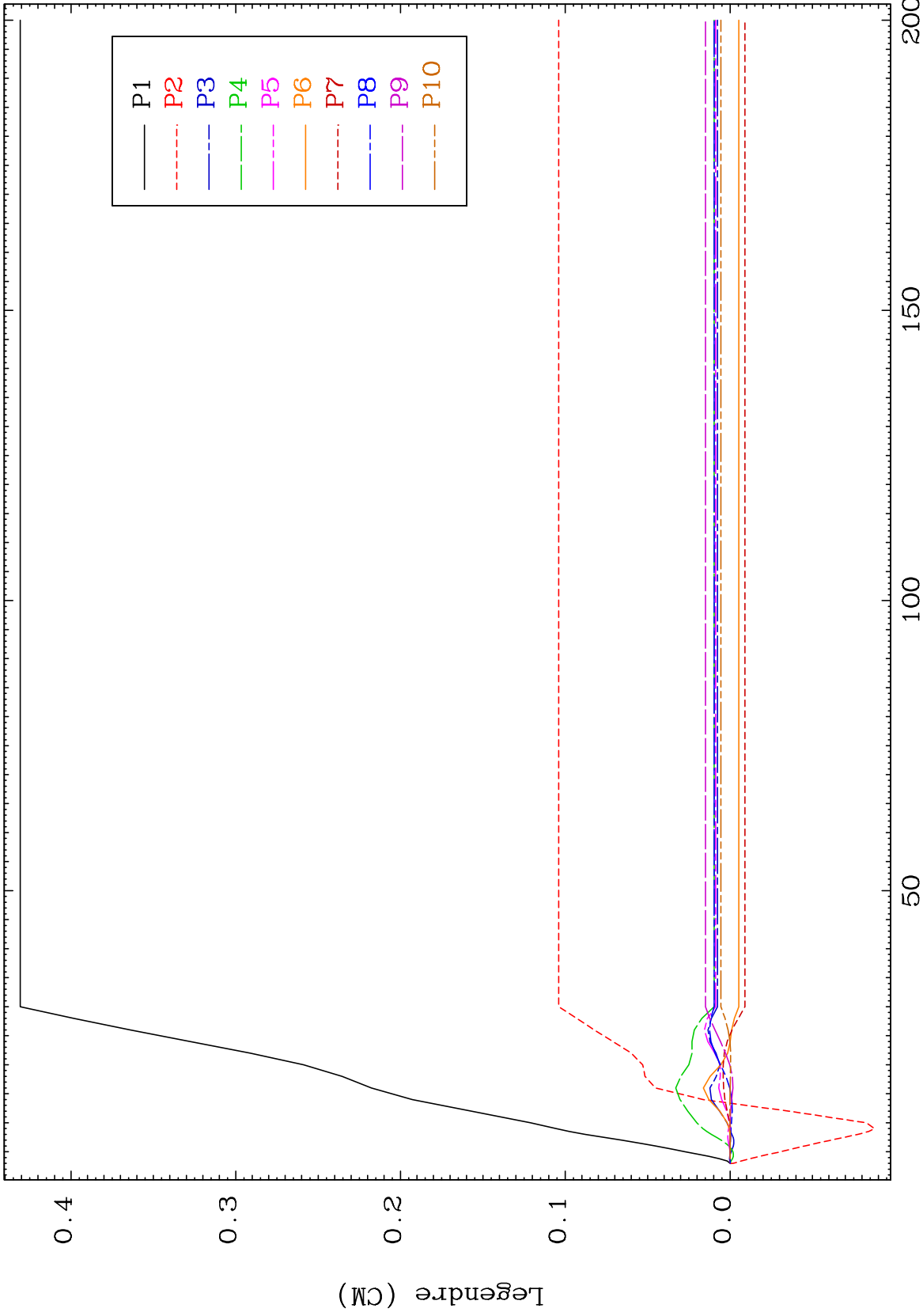
Incident Energy (MeV)

18-Ar-40

MAT 1837

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

18-Ar-40

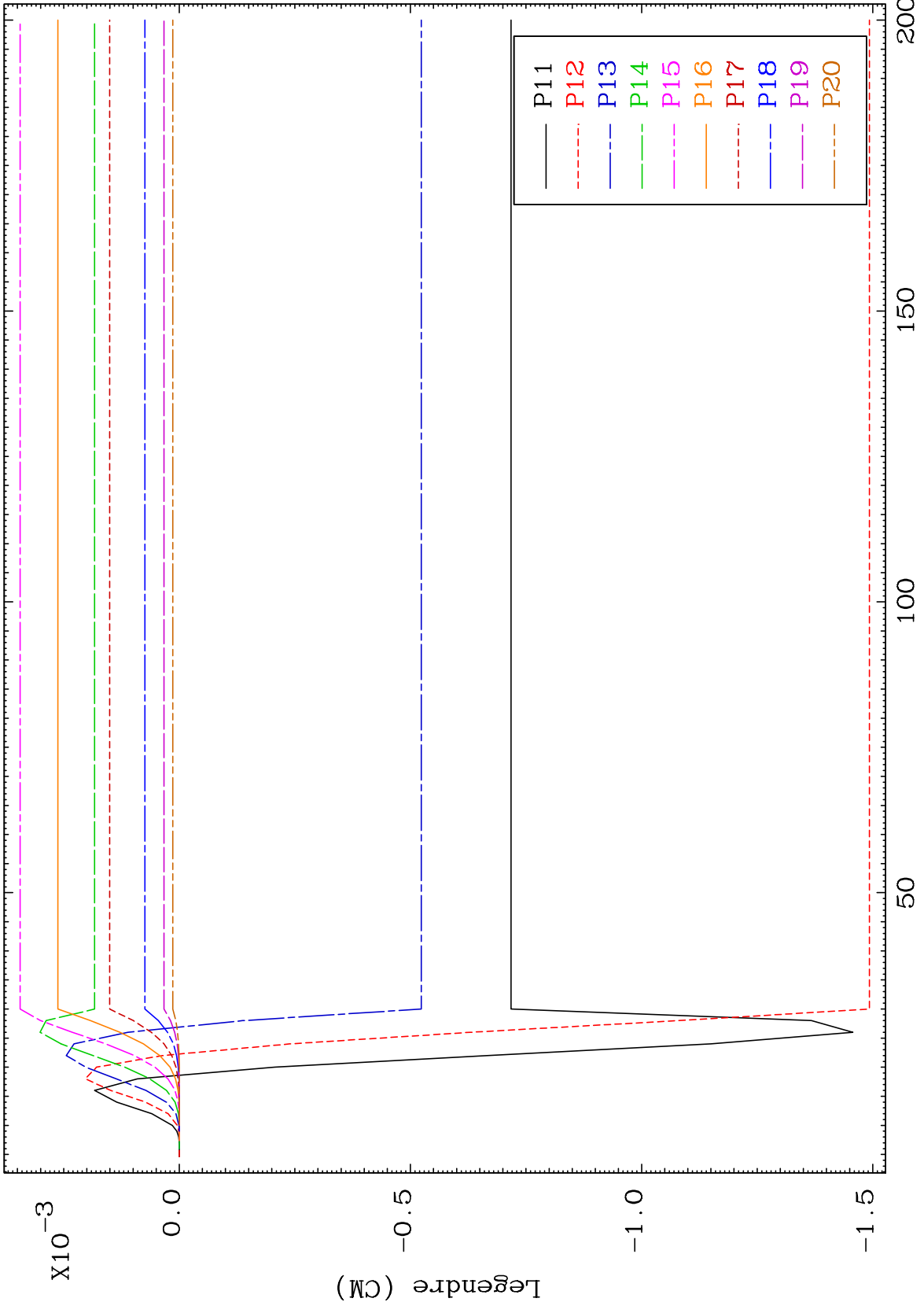


28

Incident Energy (MeV)

18-Ar-40

MAT 1837 MT= 54 (n,n') Level Legendre Coefficients 18-Ar-40

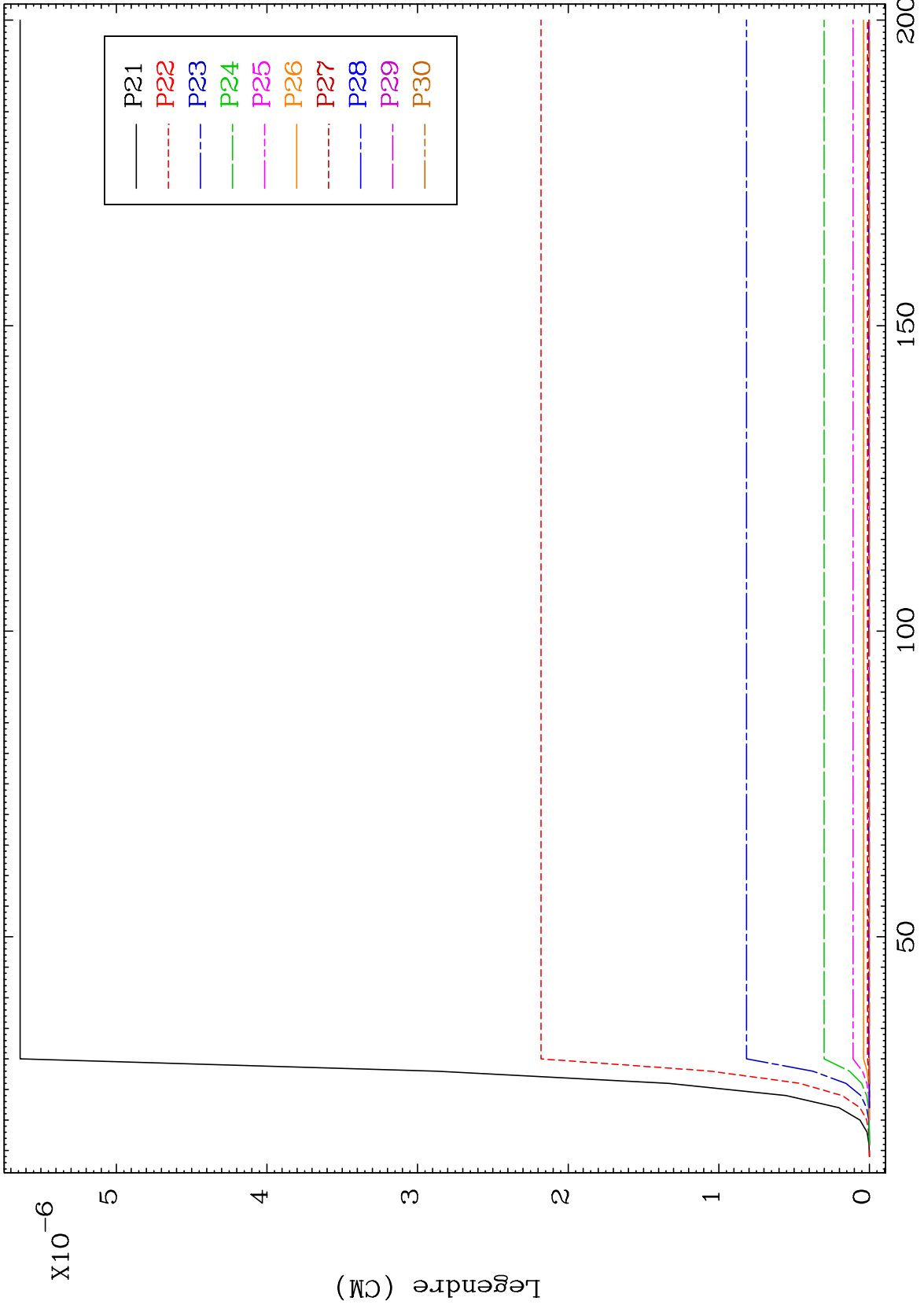


29 18-Ar-40

MAT 1837

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

18-Ar-40



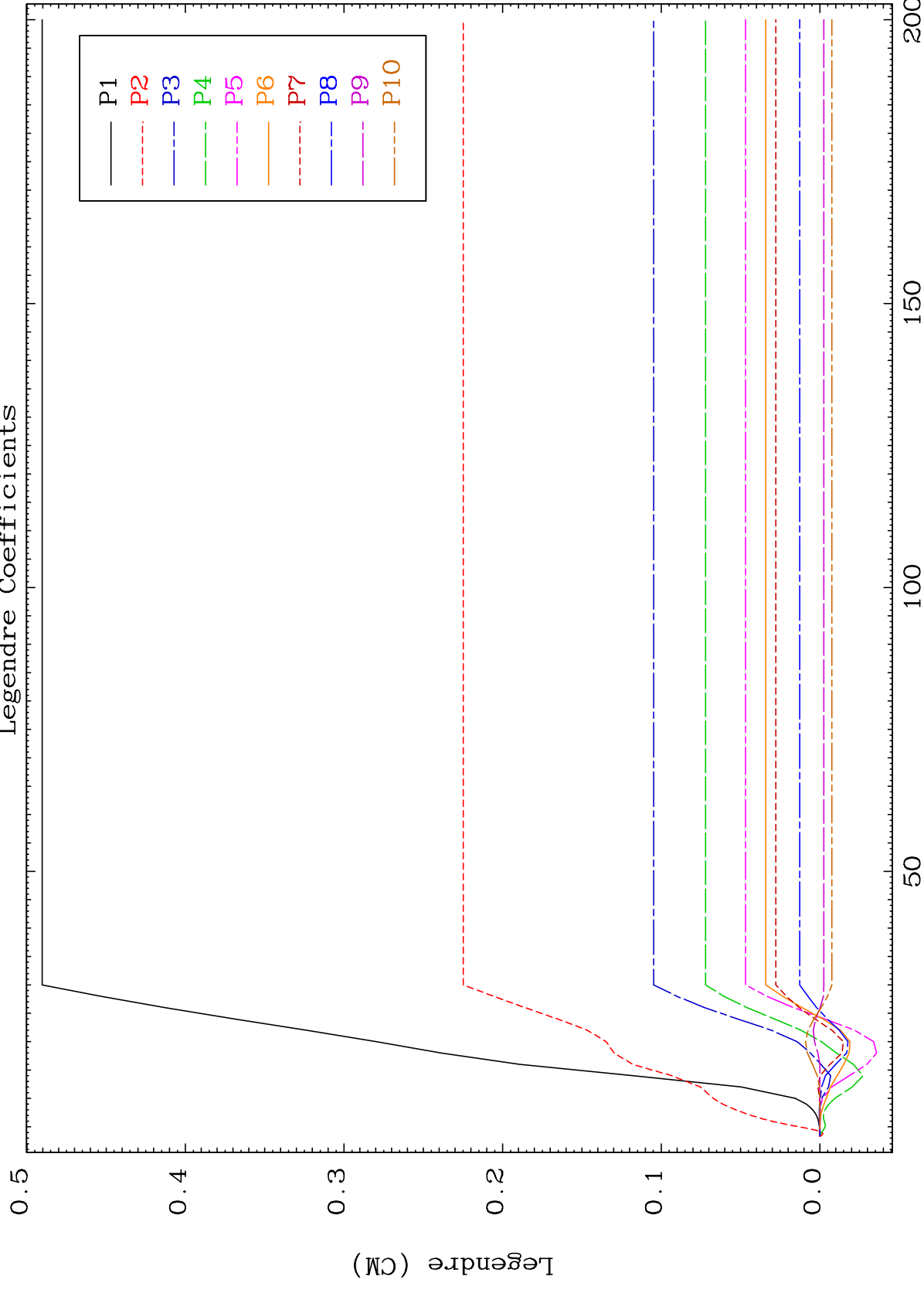
30

Incident Energy (MeV)

18-Ar-40

MAT 1837 MT= 55 (n,n') Level Legendre Coefficients

18-Ar-40



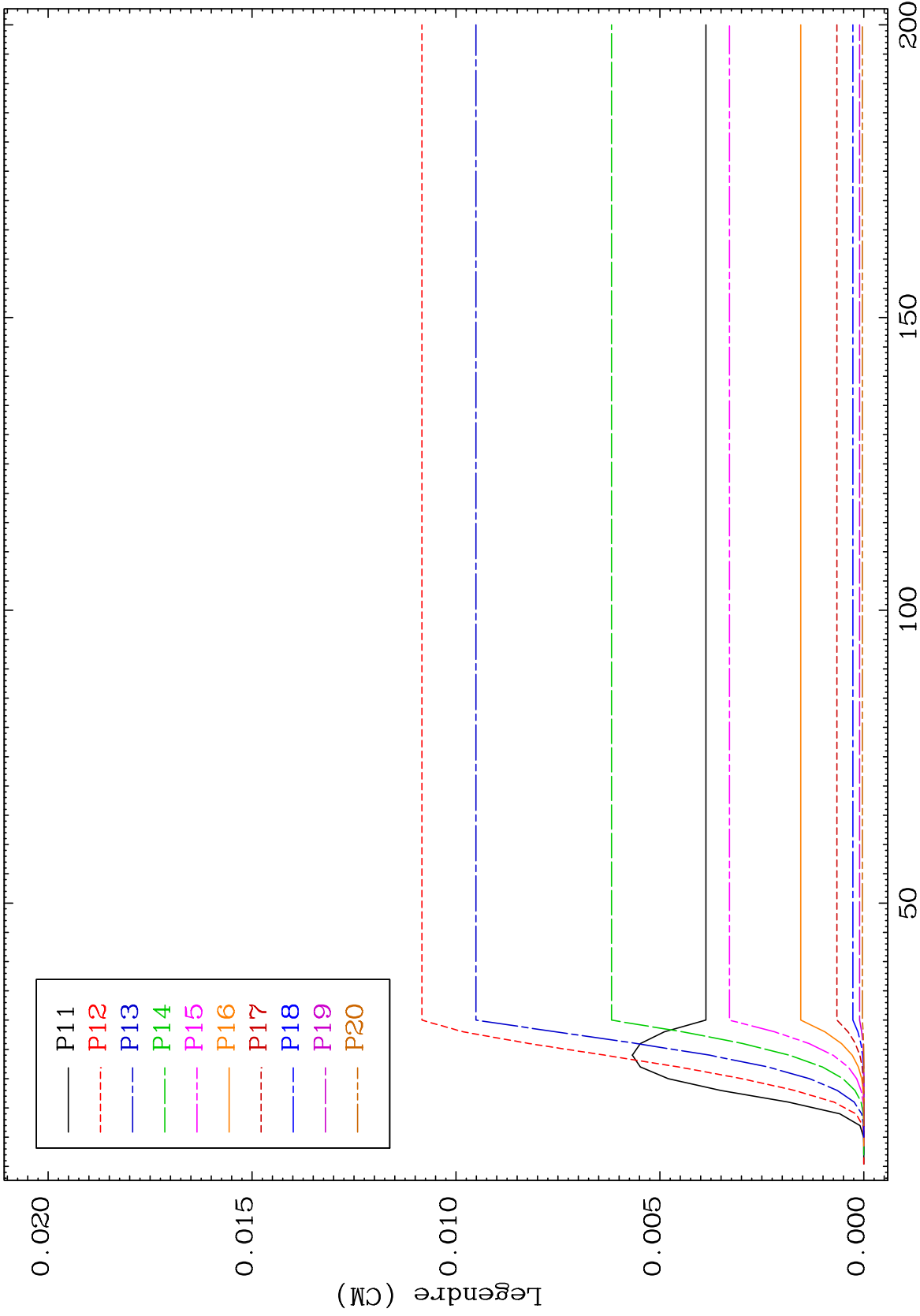
18-Ar-40

Incident Energy (MeV)

MAT 1837

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

18-Ar-40



32

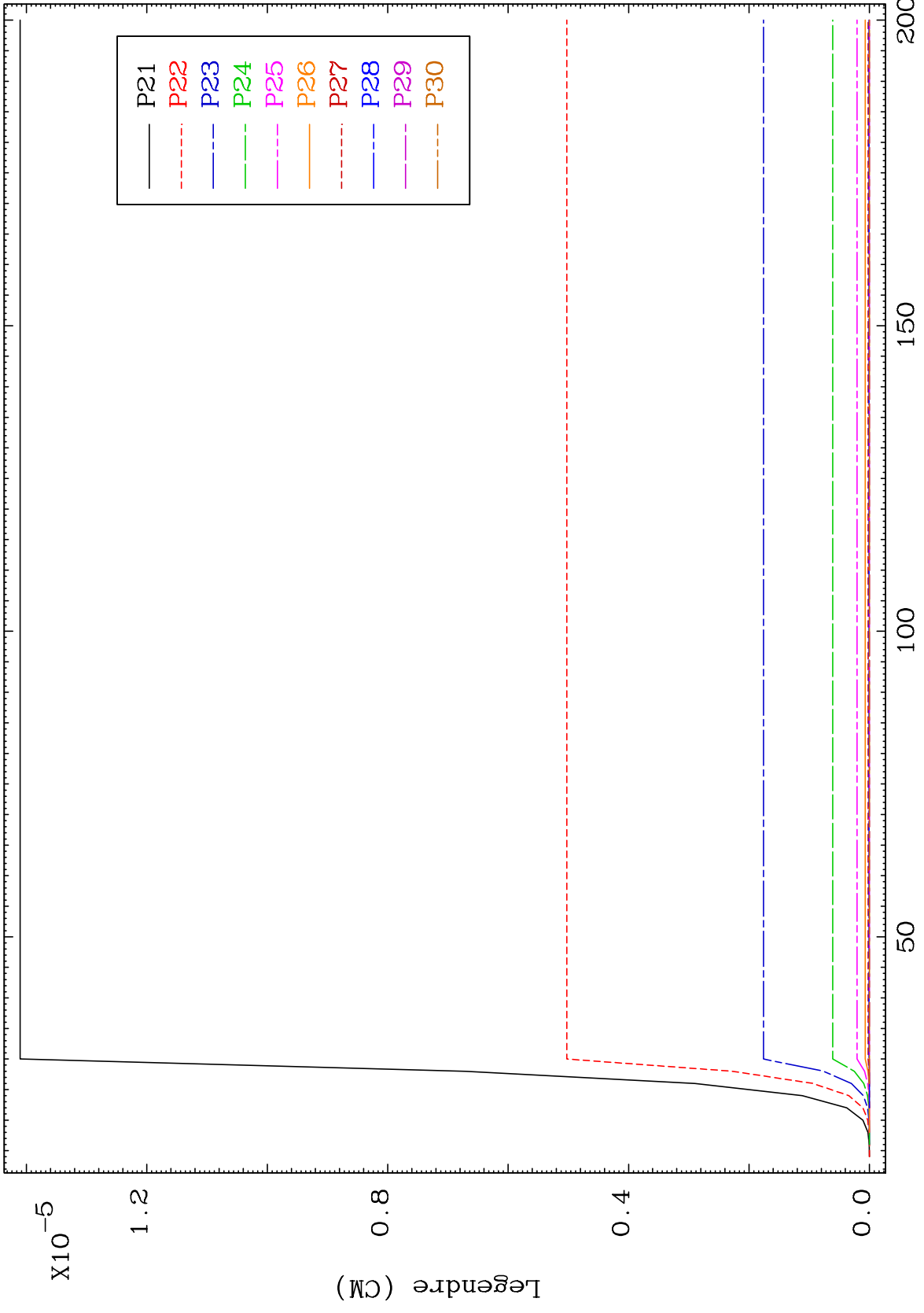
Incident Energy (MeV)

18-Ar-40

MAT 1837

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

18-Ar-40



33

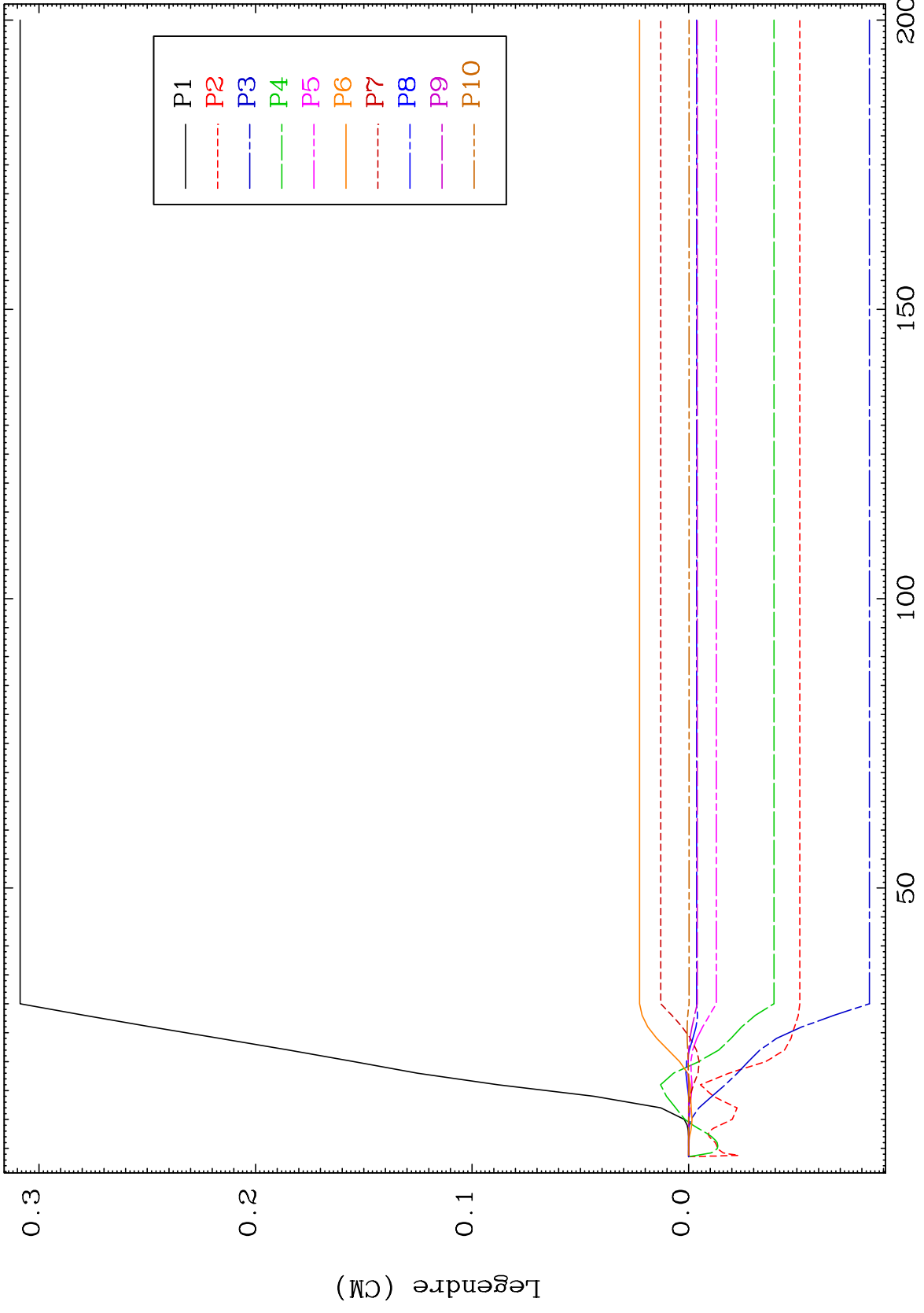
Incident Energy (MeV)

18-Ar-40

MAT 1837

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

18-Ar-40



34

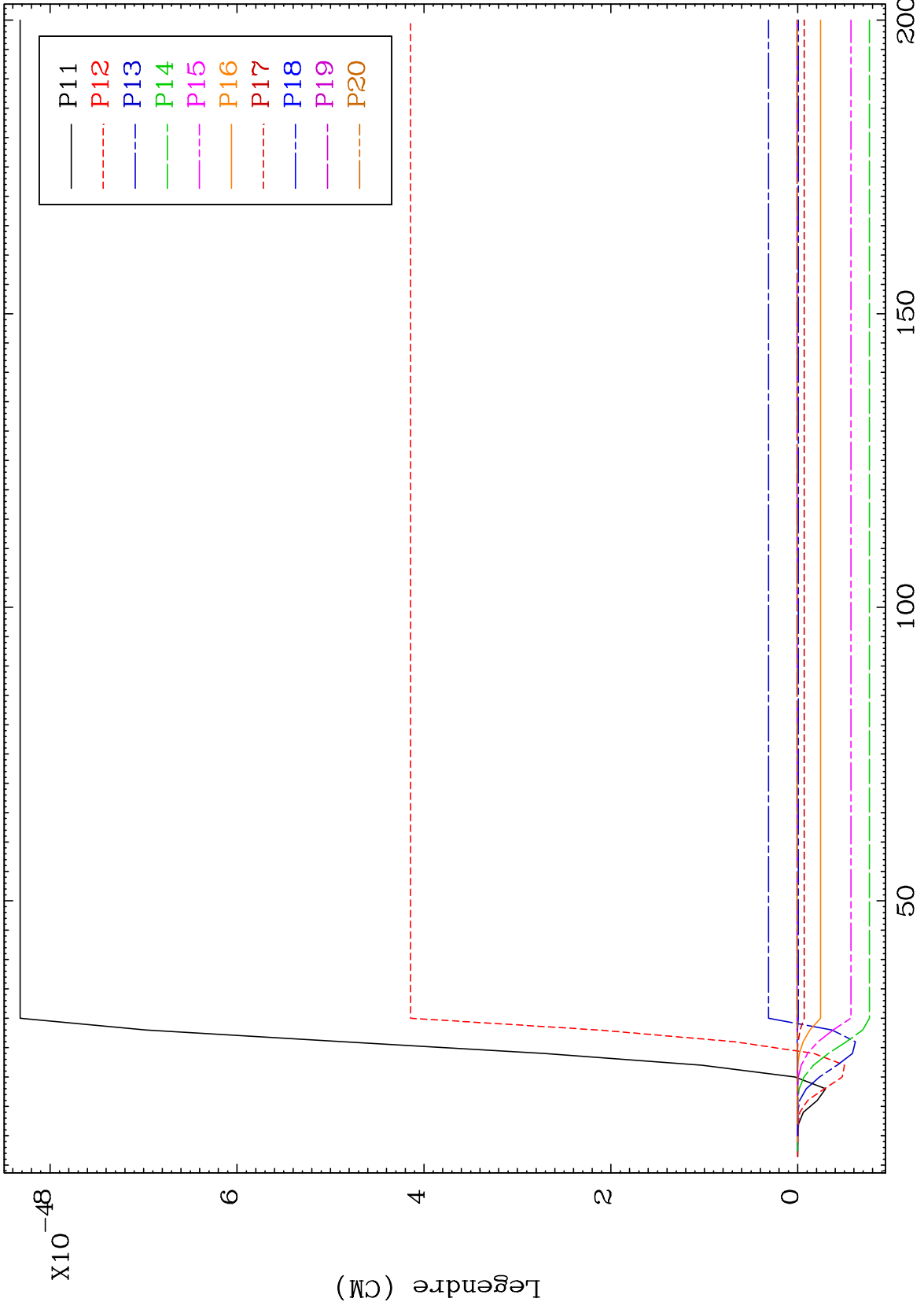
Incident Energy (MeV)

18-Ar-40

MAT 1837

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

18-Ar-40



35

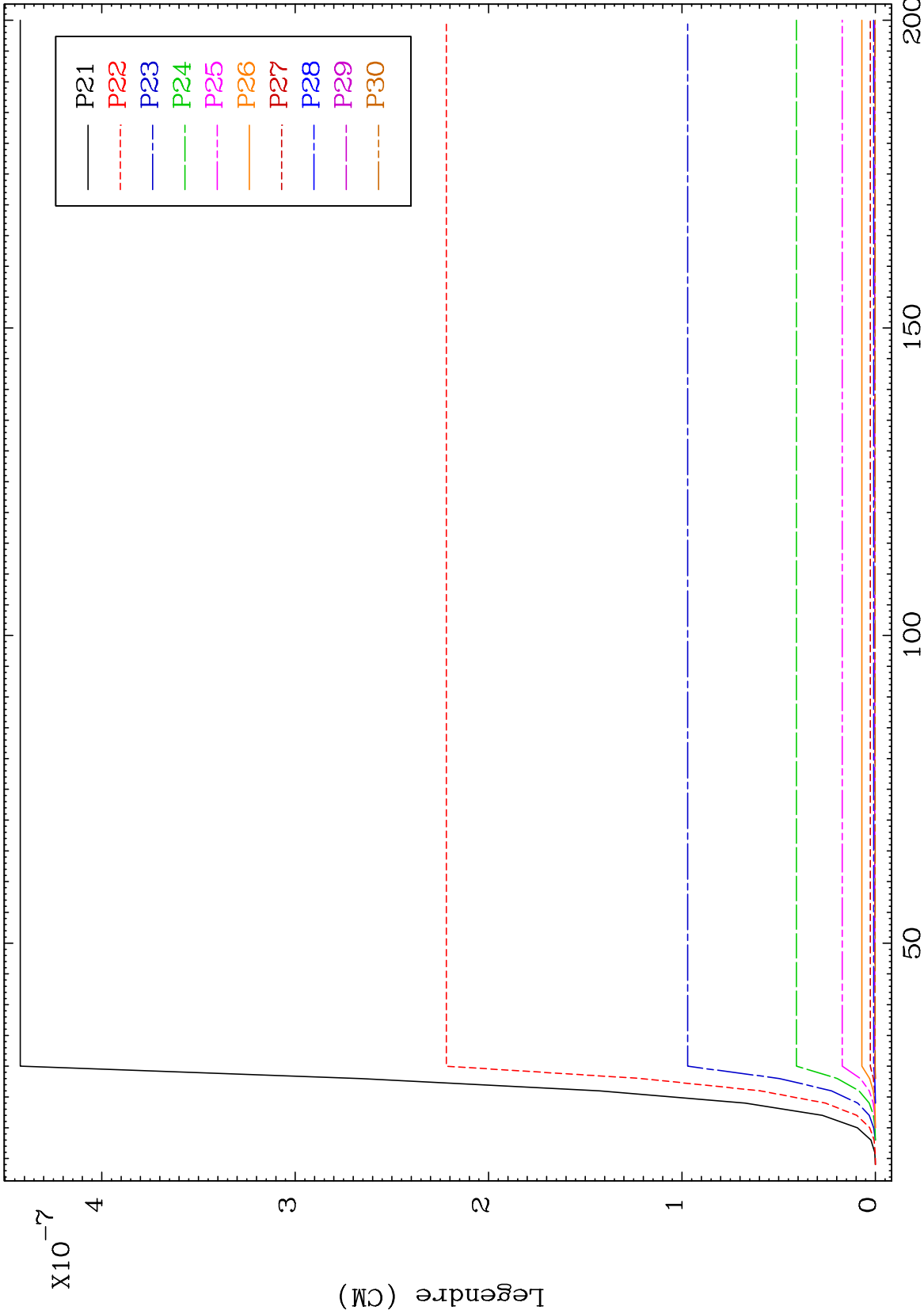
Incident Energy (MeV)

18-Ar-40

MAT 1837

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

18-Ar-40



36

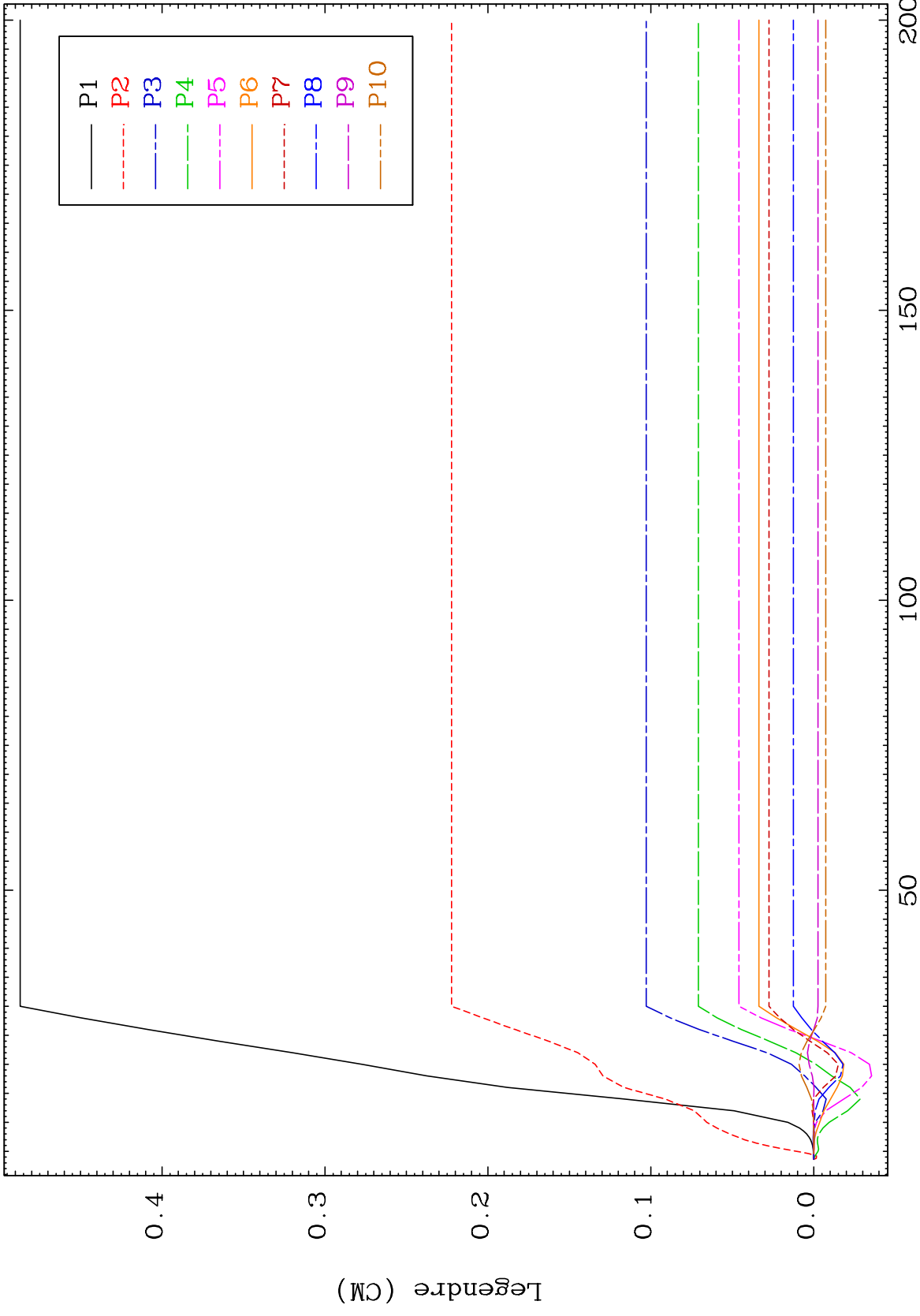
Incident Energy (MeV)

18-Ar-40

MAT 1837

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

18-Ar-40



37

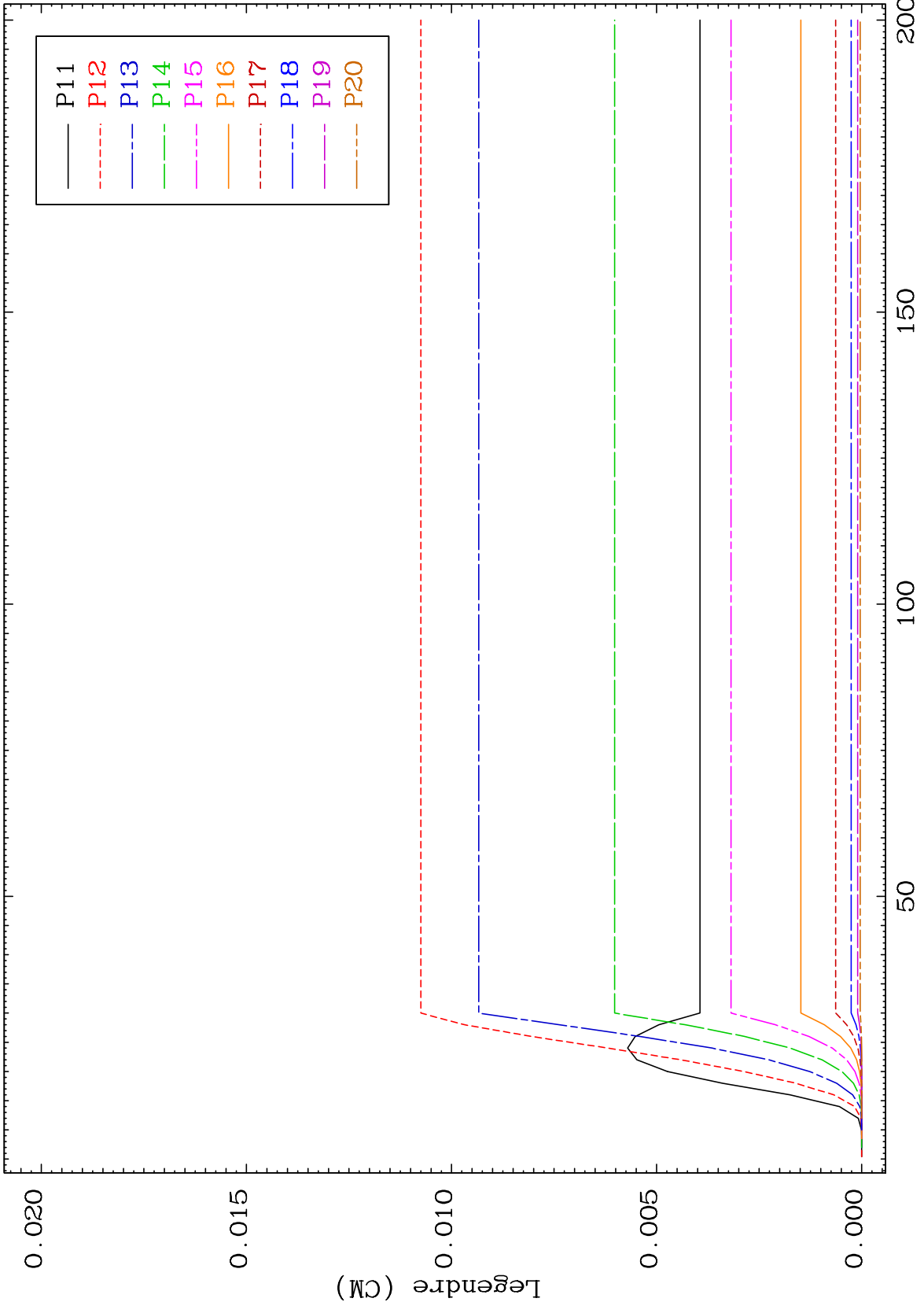
Incident Energy (MeV)

18-Ar-40

MAT 1837

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

18-Ar-40



38

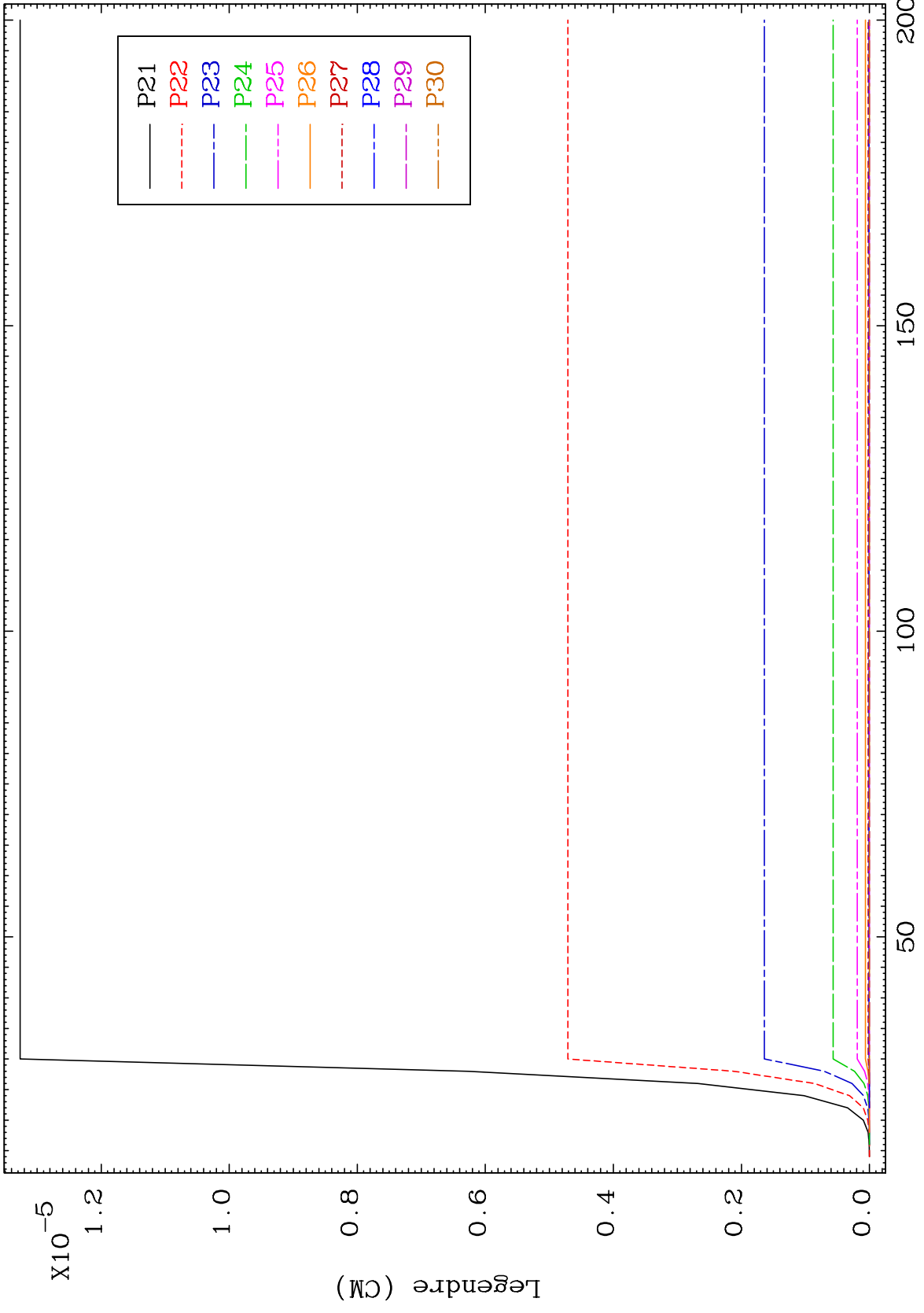
Incident Energy (MeV)

18-Ar-40

MAT 1837

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

18-Ar-40



39

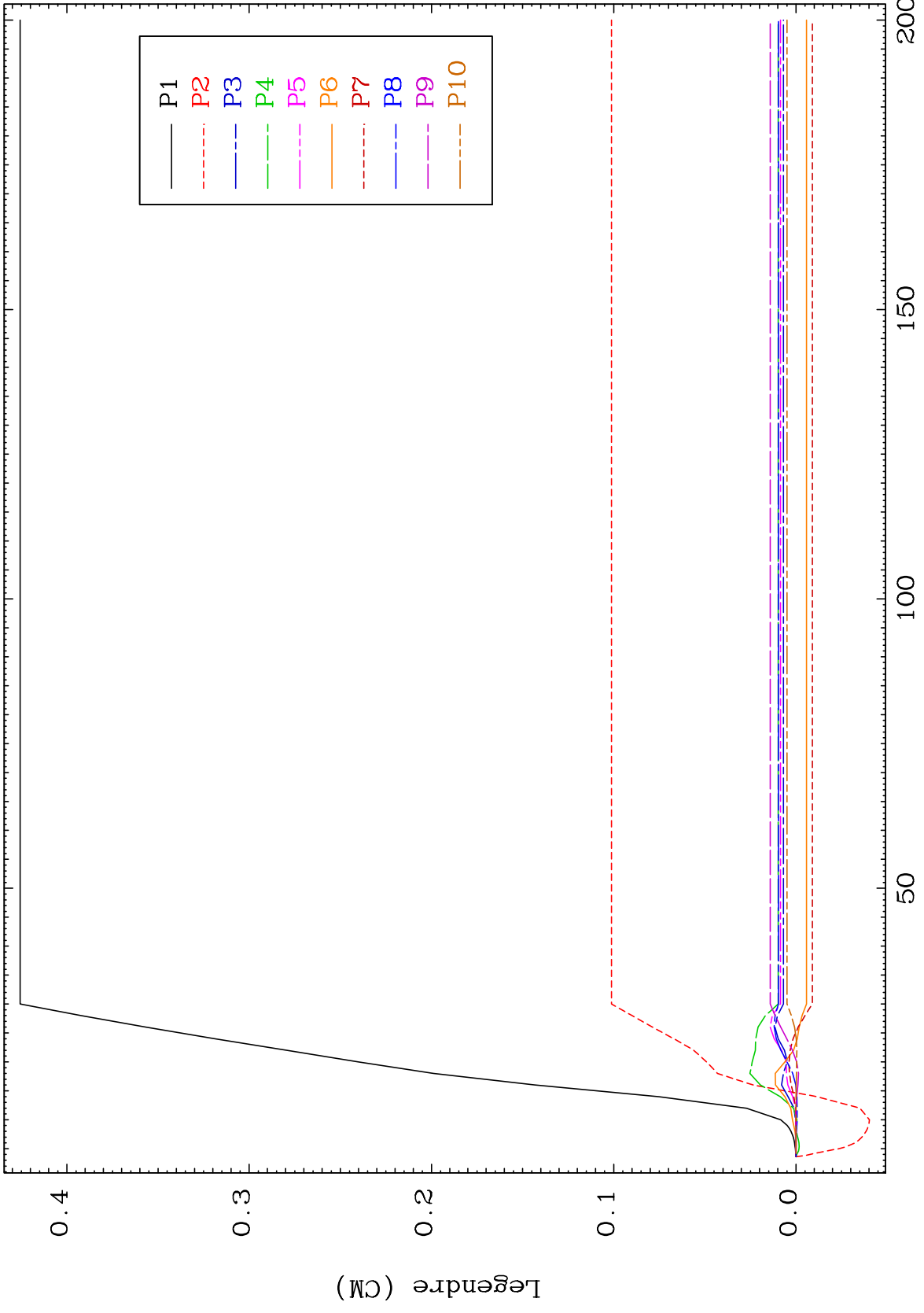
Incident Energy (MeV)

18-Ar-40

MAT 1837

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

18-Ar-40



40

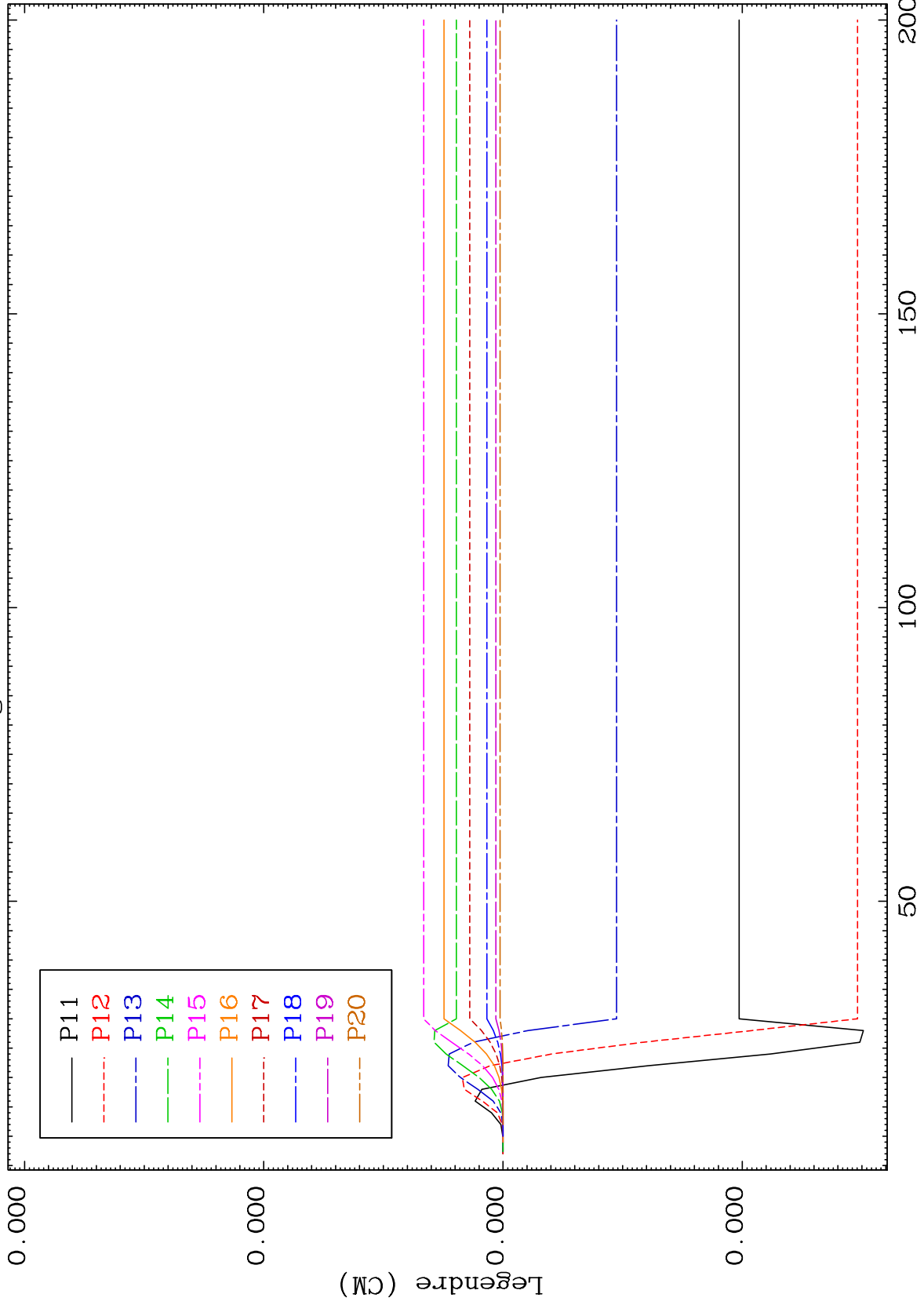
Incident Energy (MeV)

18-Ar-40

MAT 1837

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

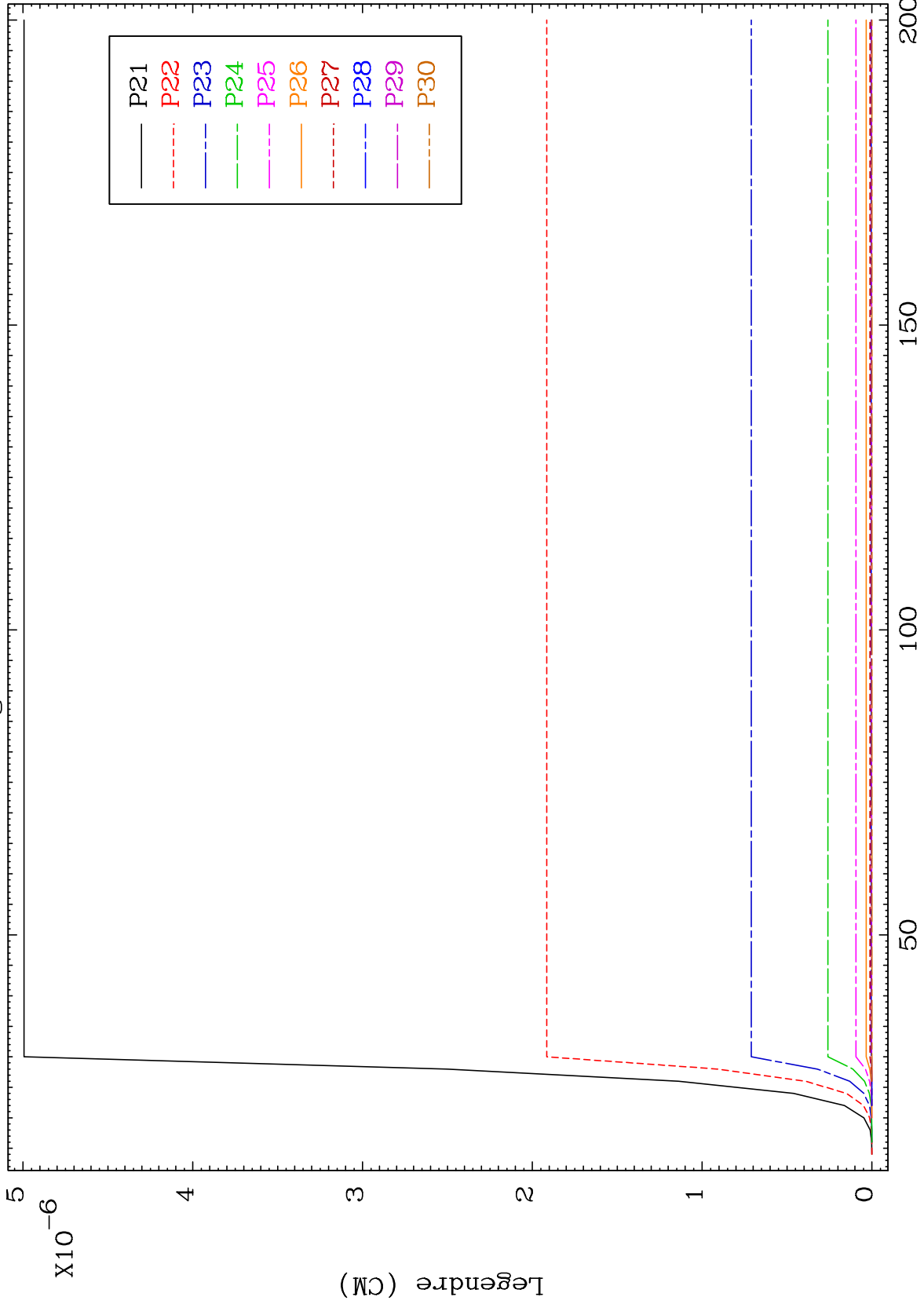
18-Ar-40



MAT 1837

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

18-Ar-40



42

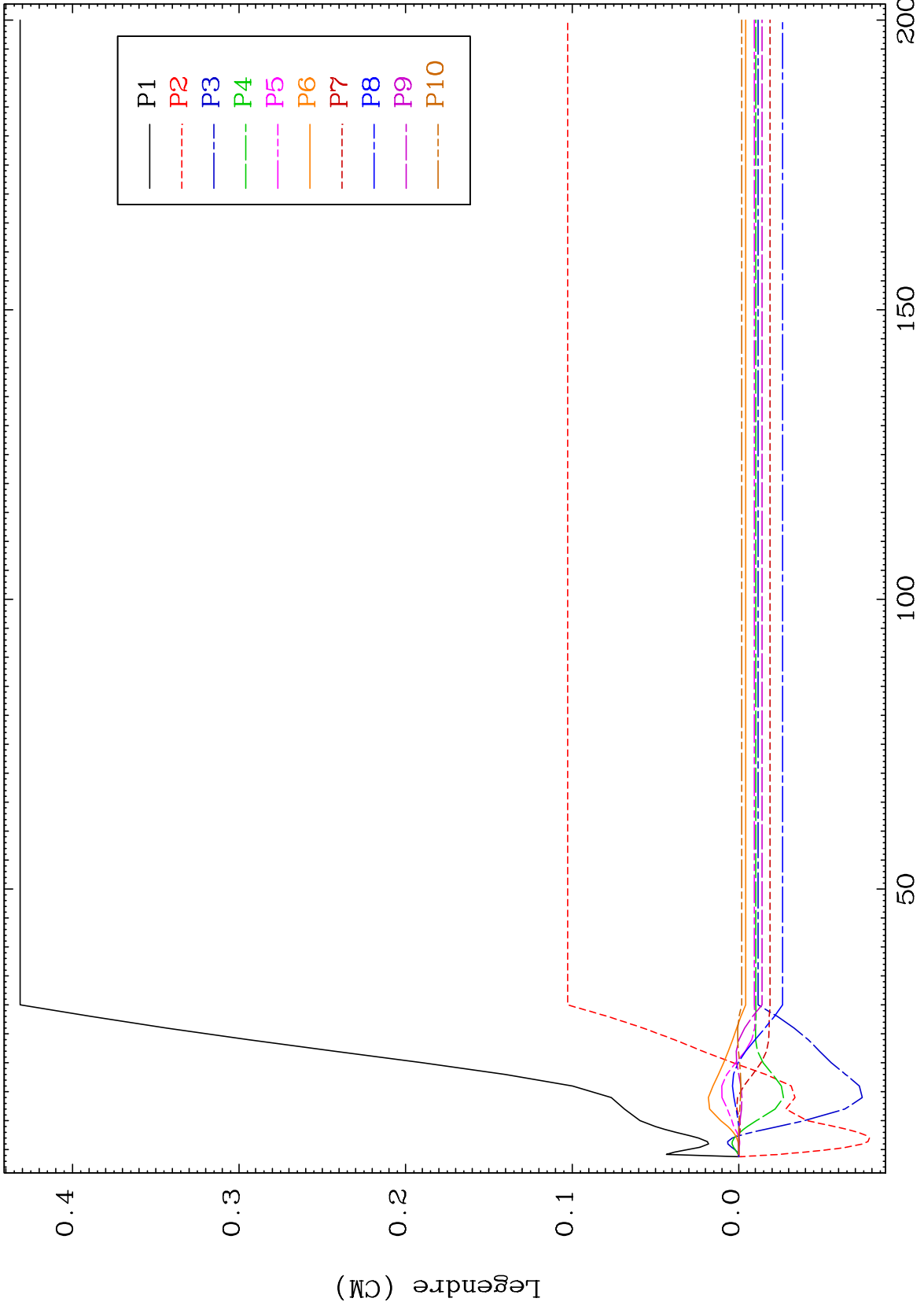
Incident Energy (MeV)

18-Ar-40

MAT 1837

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

18-Ar-40



43

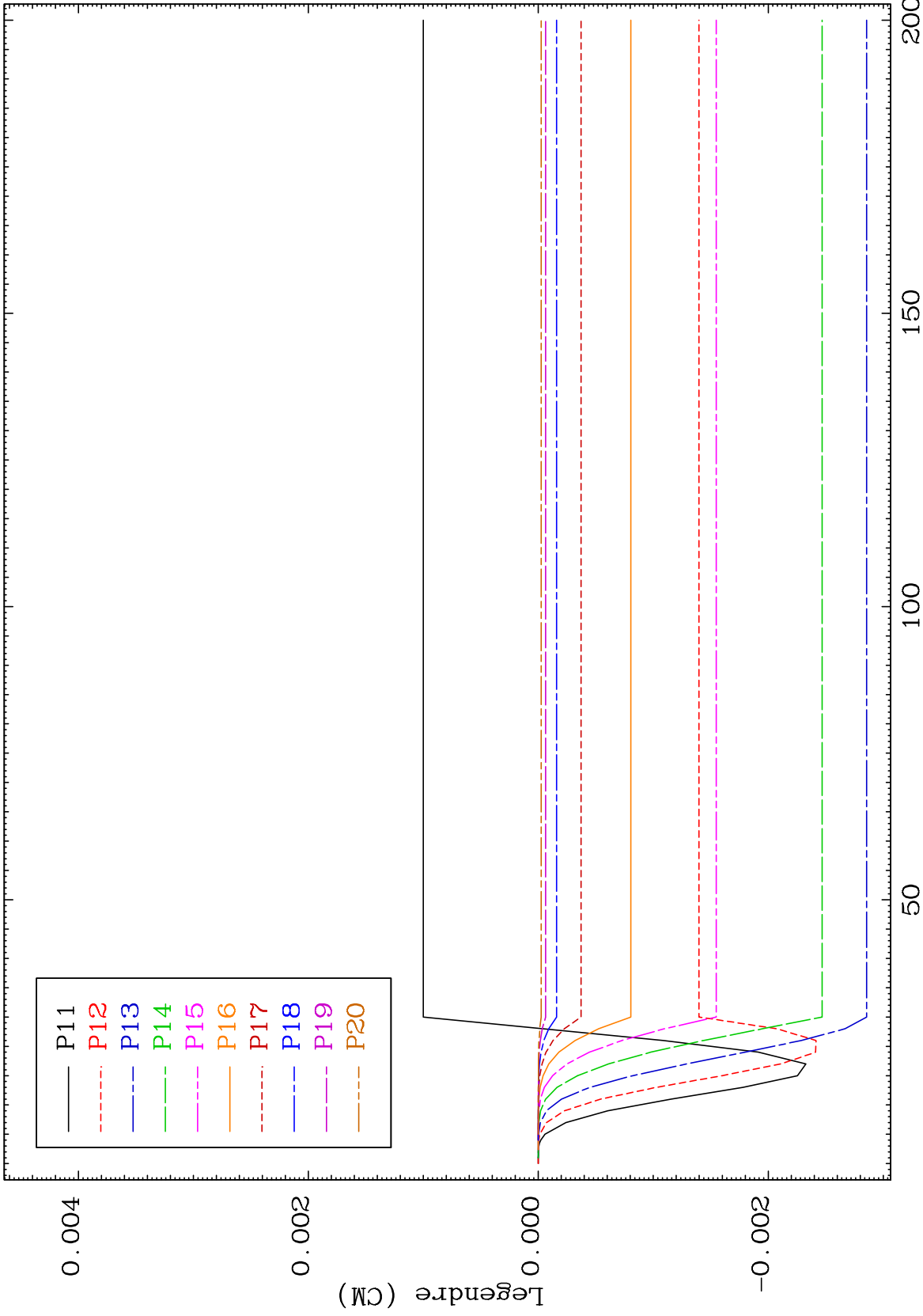
Incident Energy (MeV)

18-Ar-40

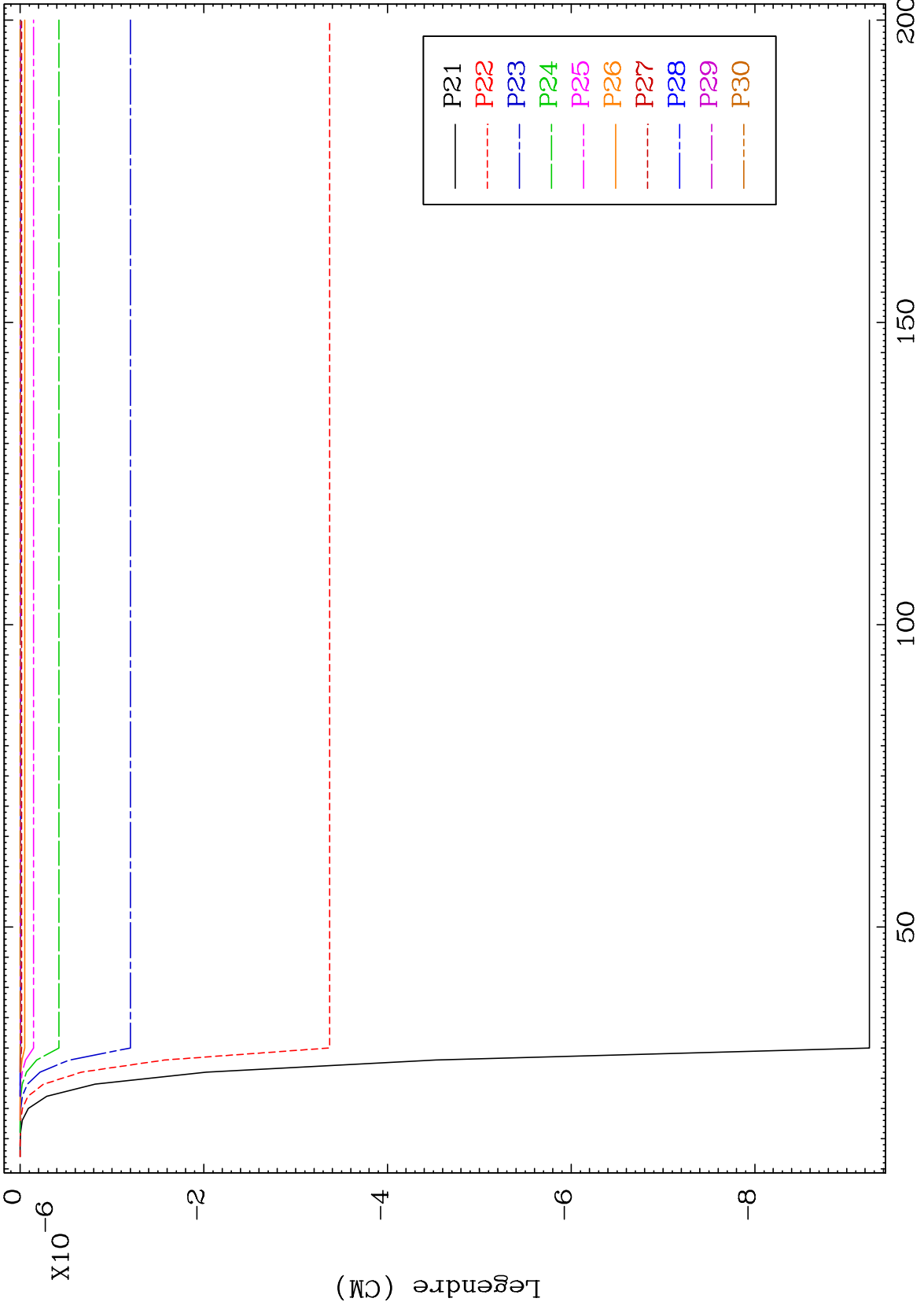
MAT 1837

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

18-Ar-40



MAT 1837 MT= 59 (n,n') Level Legendre Coefficients 18-Ar-40

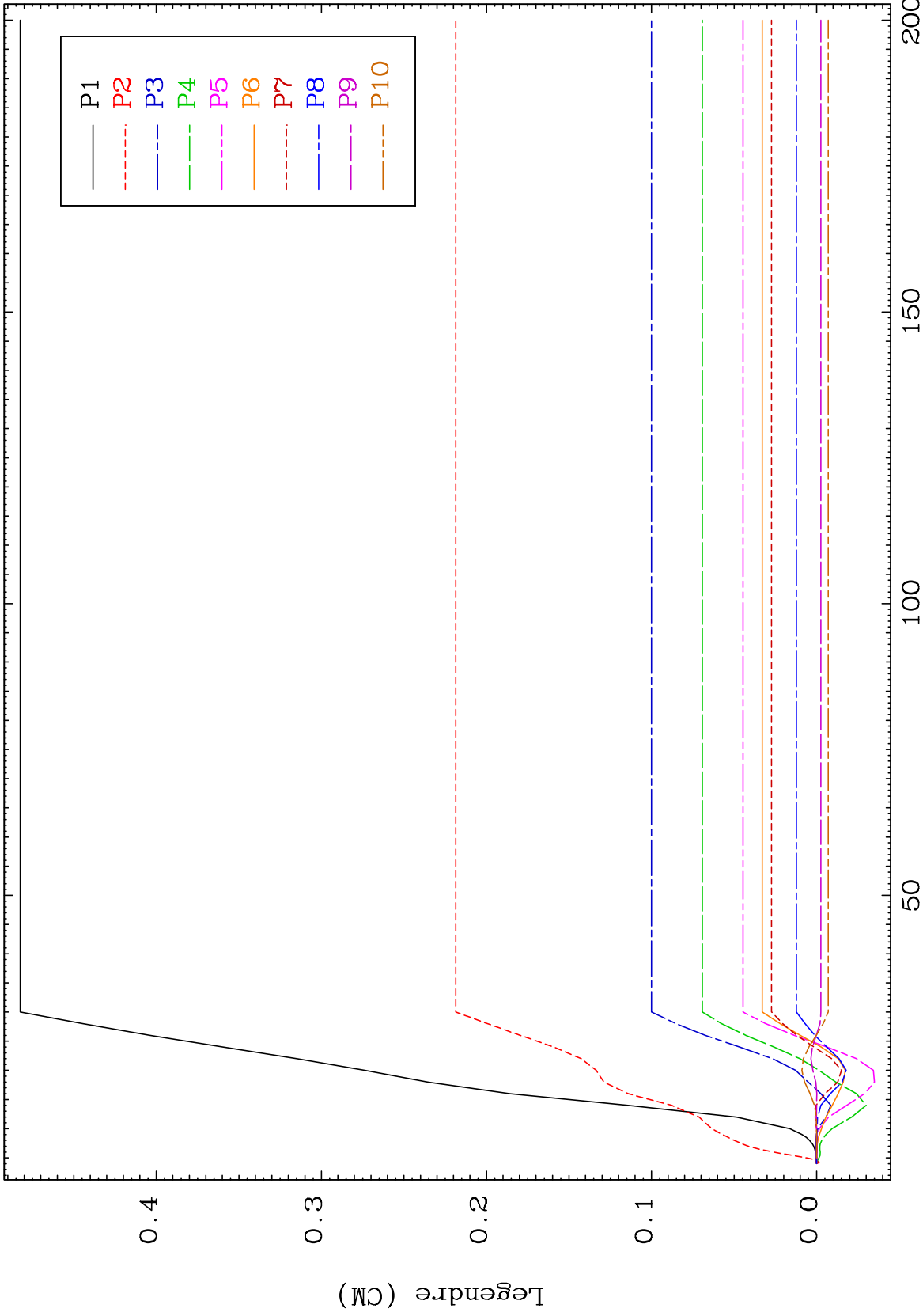


45 18-Ar-40

MAT 1837

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

18-Ar-40



46

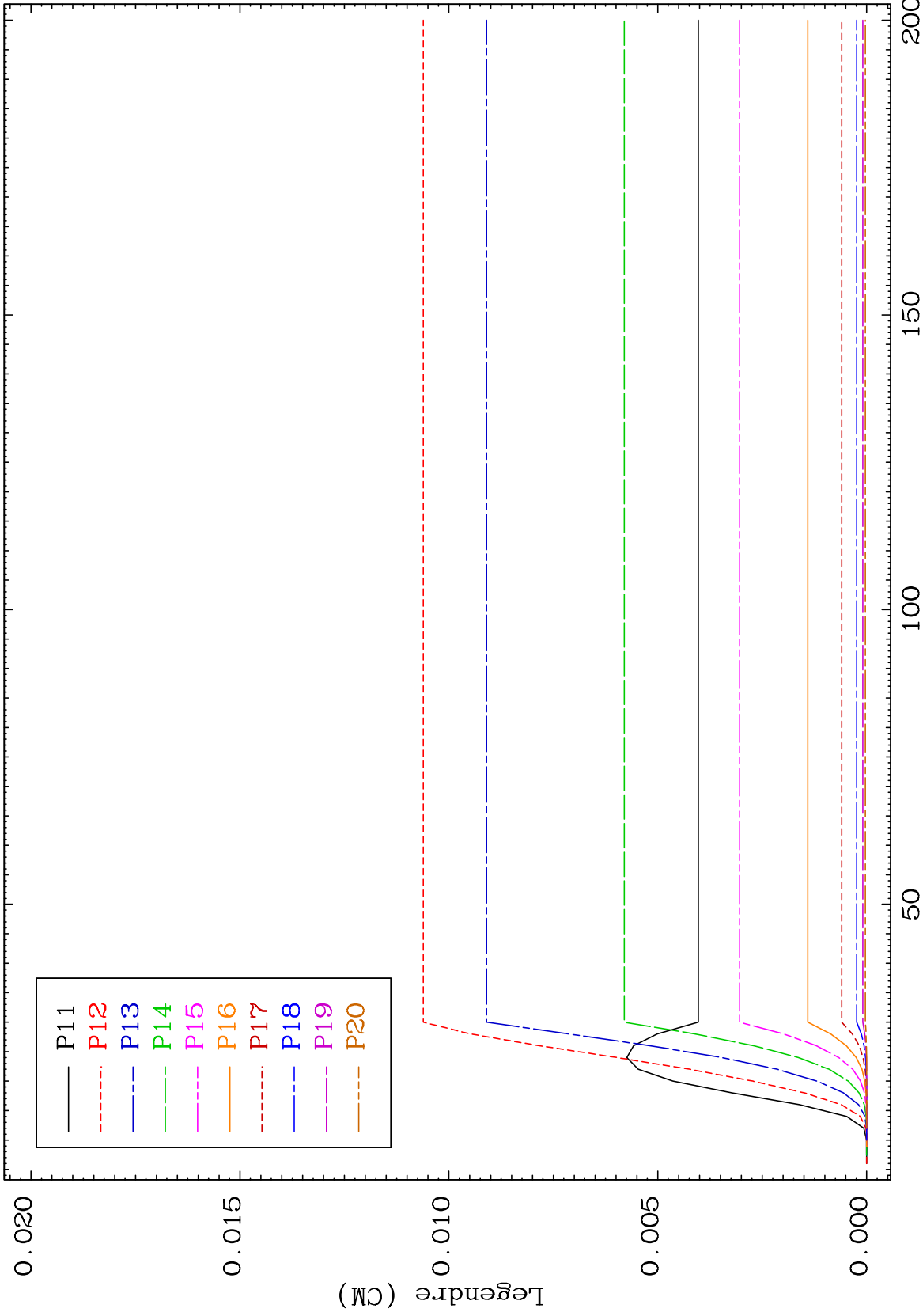
Incident Energy (MeV)

18-Ar-40

MAT 1837

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

18-Ar-40



47

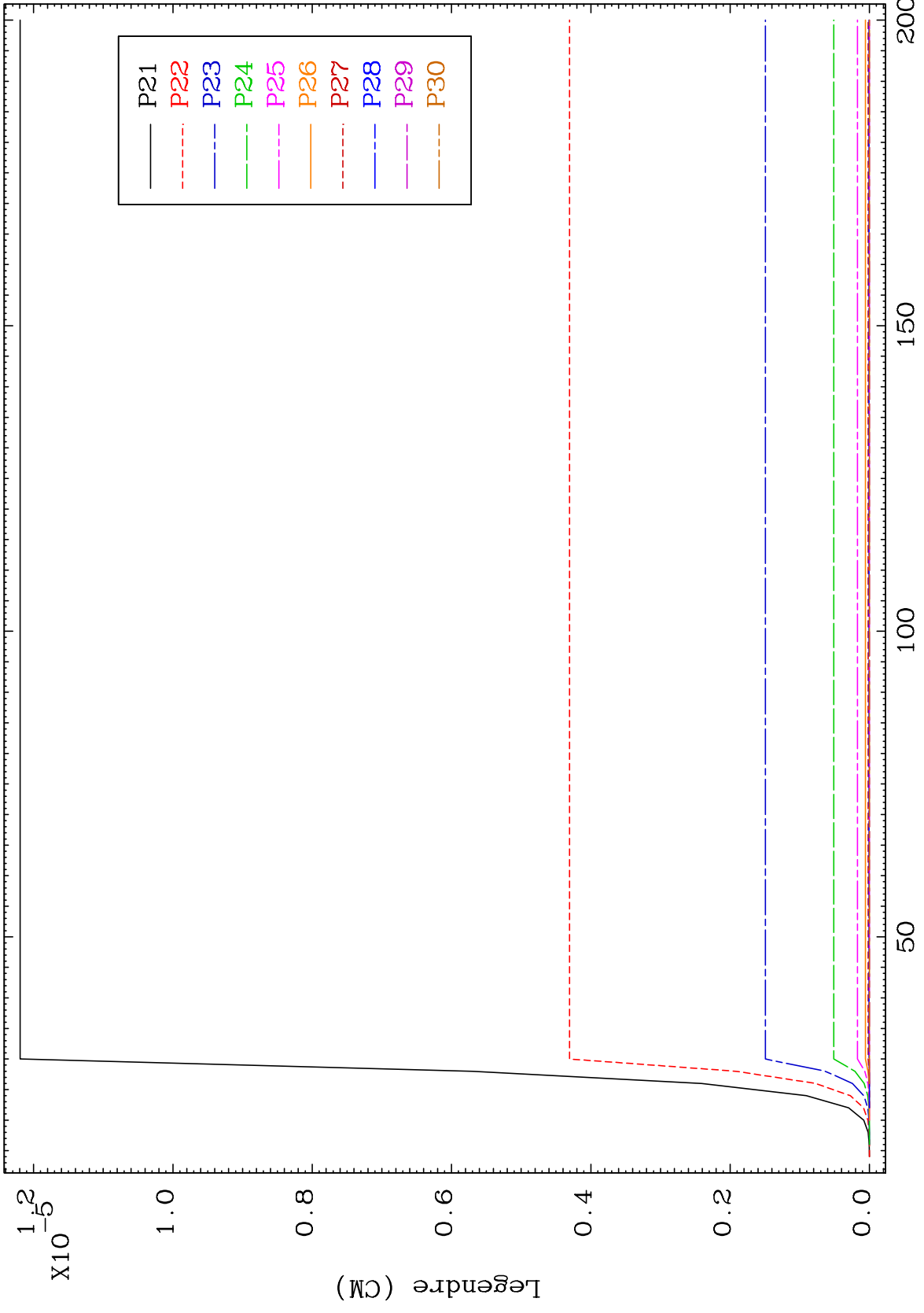
Incident Energy (MeV)

18-Ar-40

MAT 1837

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

18-Ar-40



48

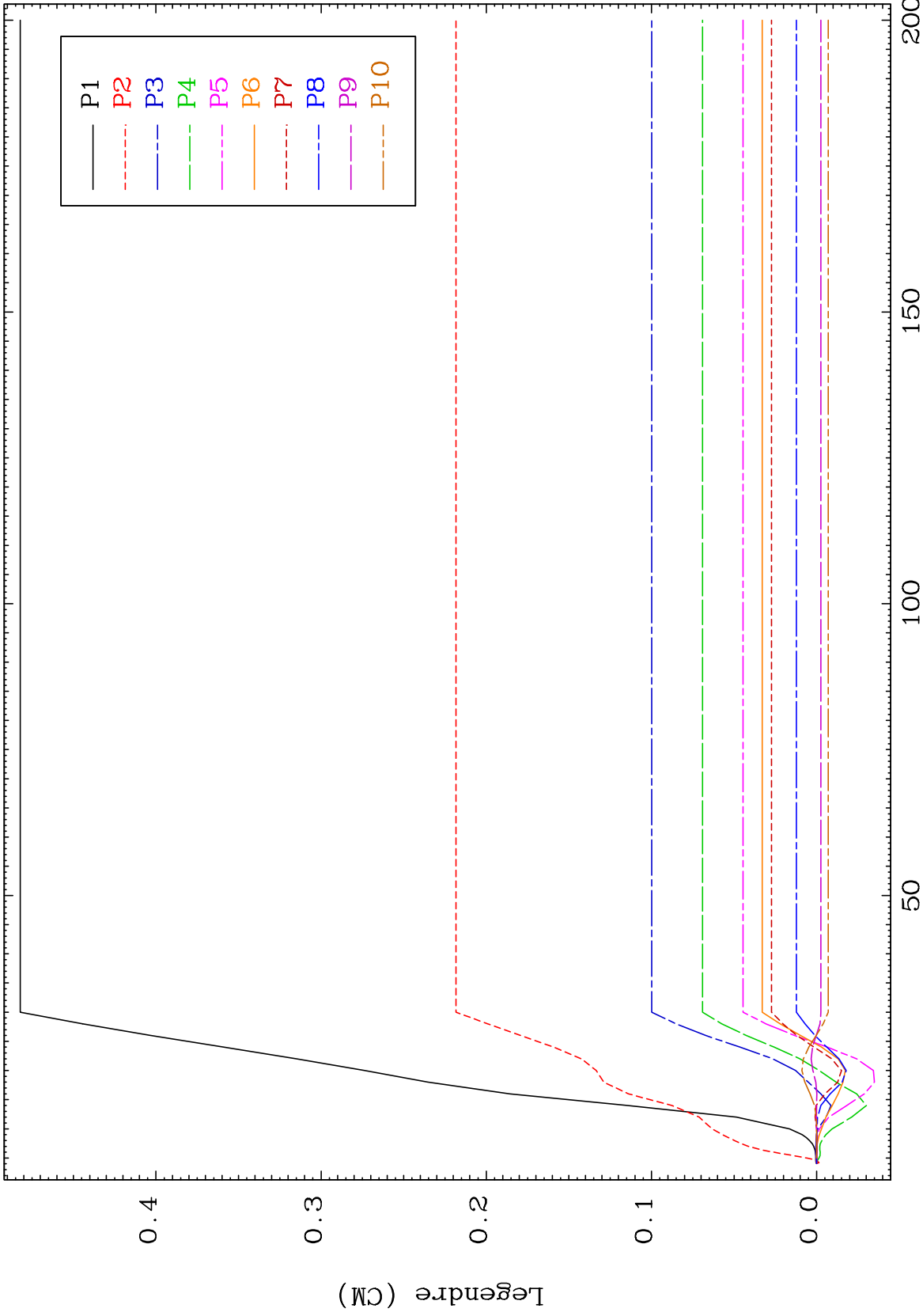
Incident Energy (MeV)

18-Ar-40

MAT 1837

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

18-Ar-40



49

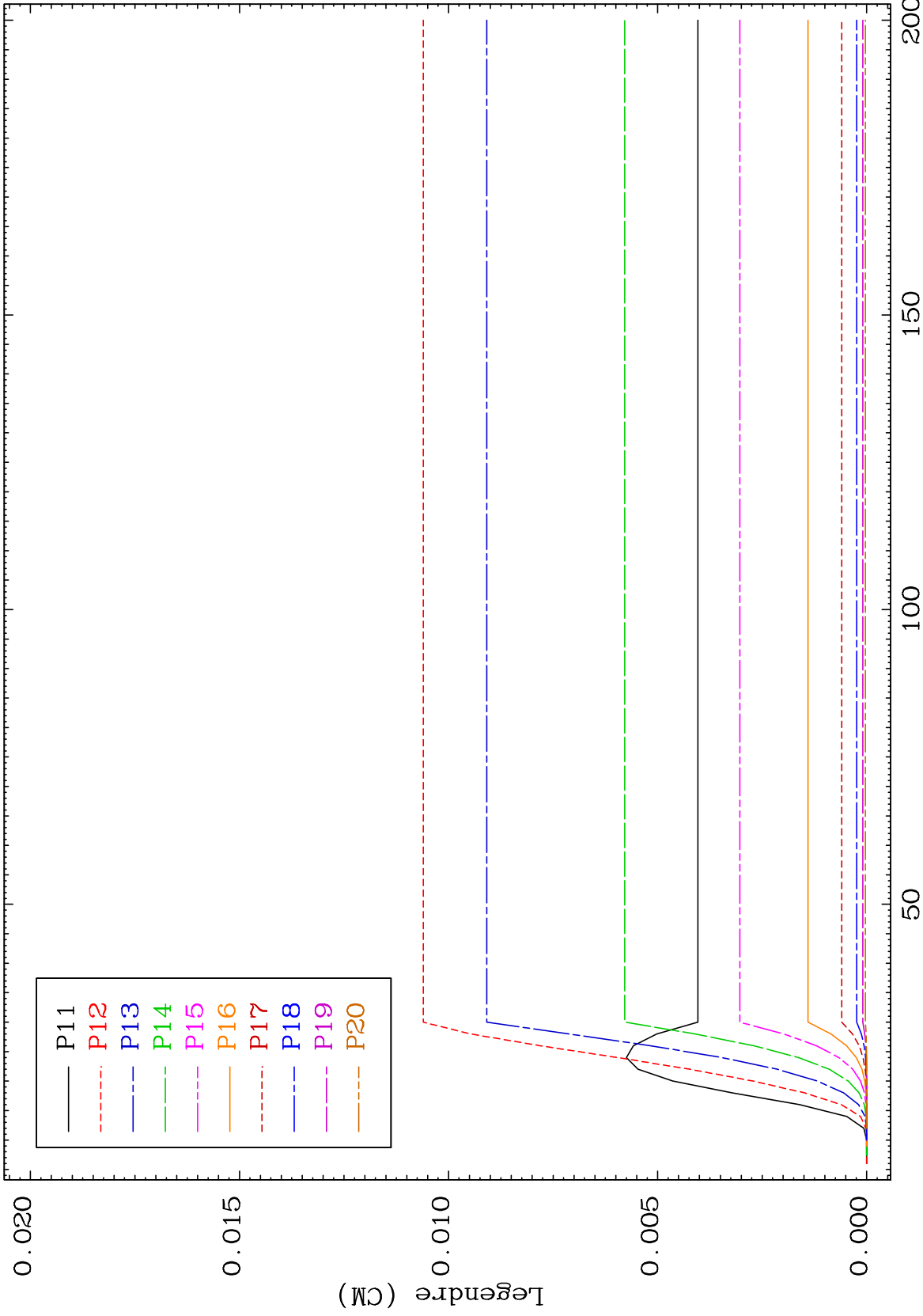
Incident Energy (MeV)

18-Ar-40

MAT 1837

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

18-Ar-40



50

Incident Energy (MeV)

50

150

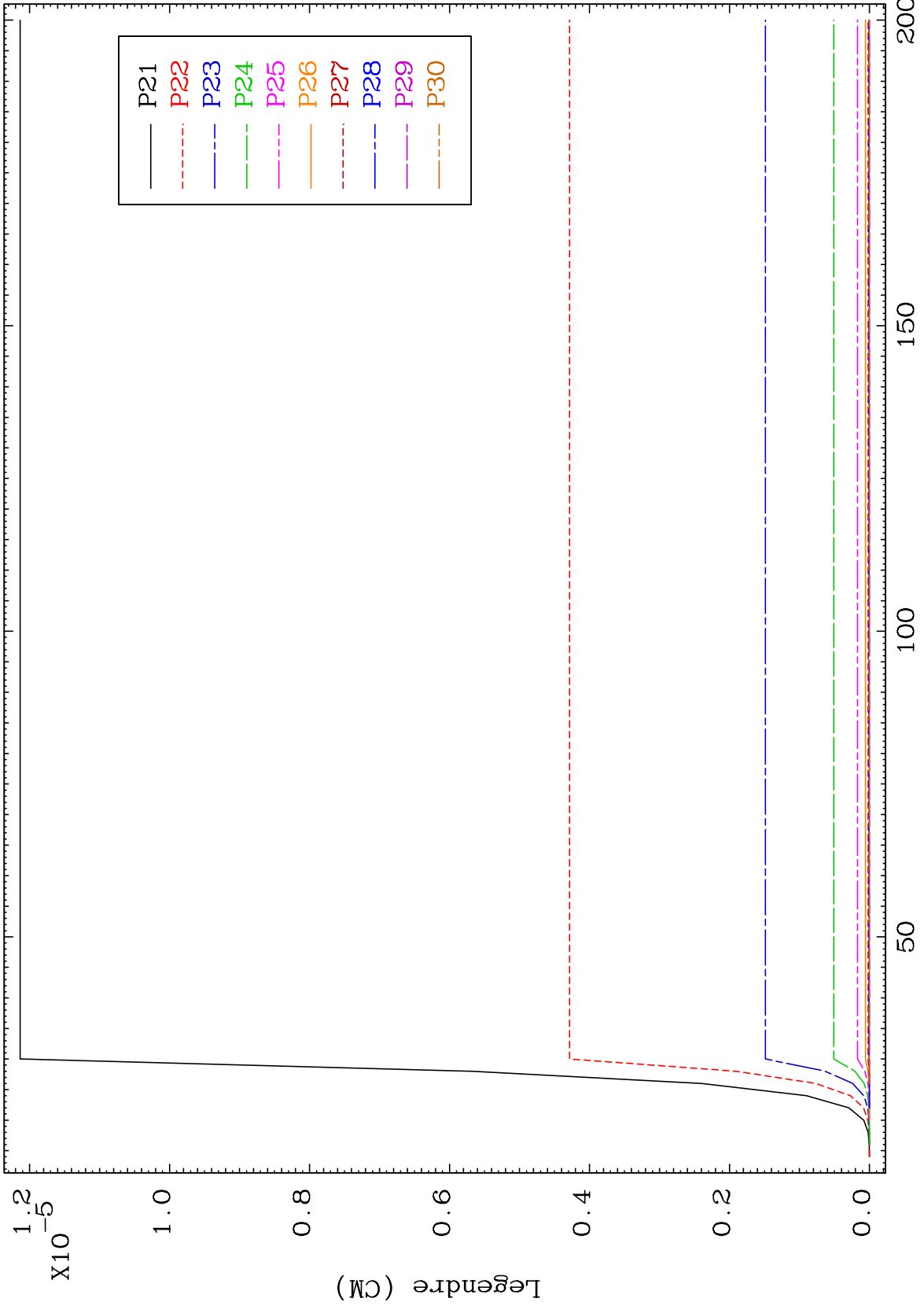
200

18-Ar-40

MAT 1837

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

18-Ar-40

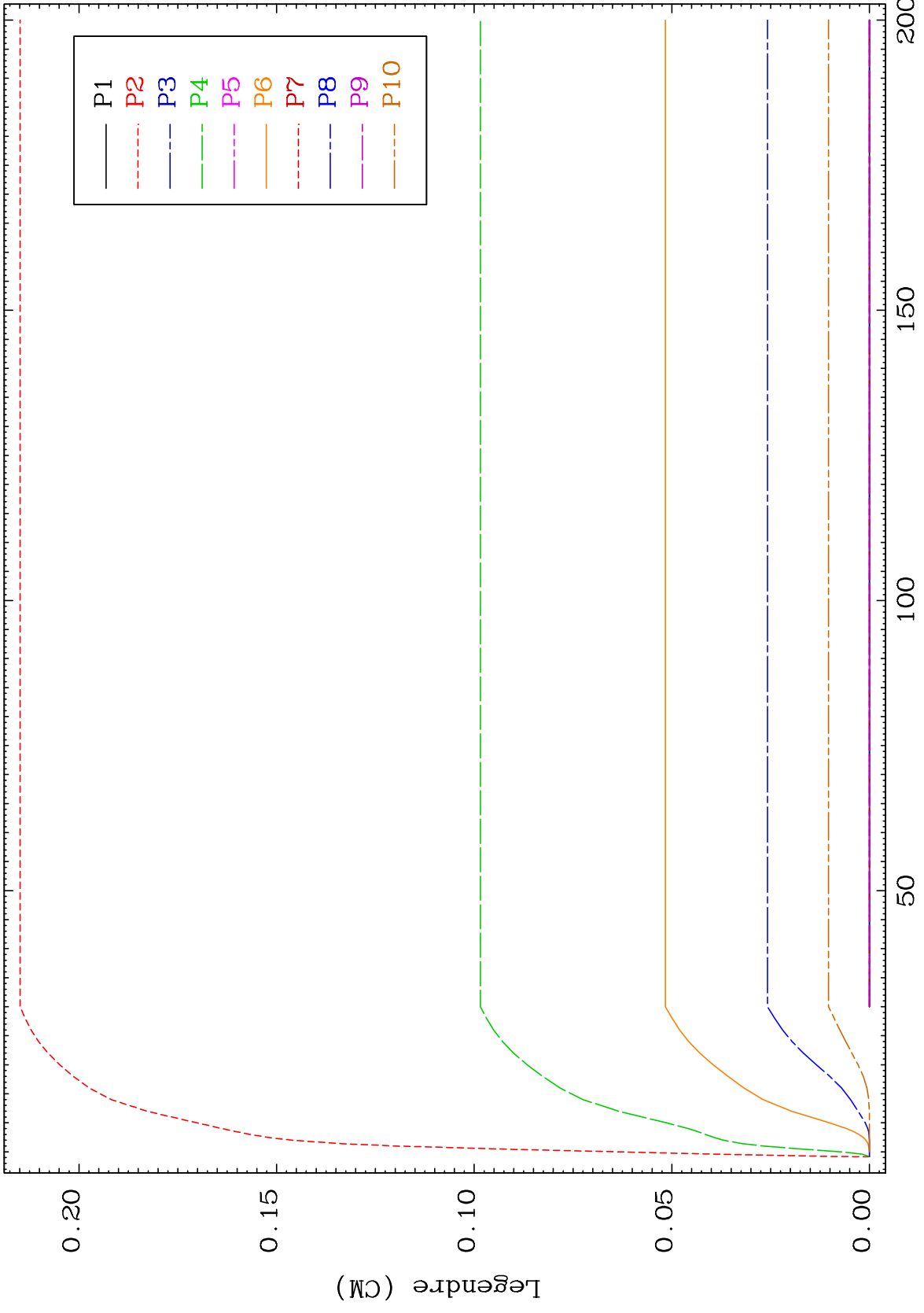


51

Incident Energy (MeV)

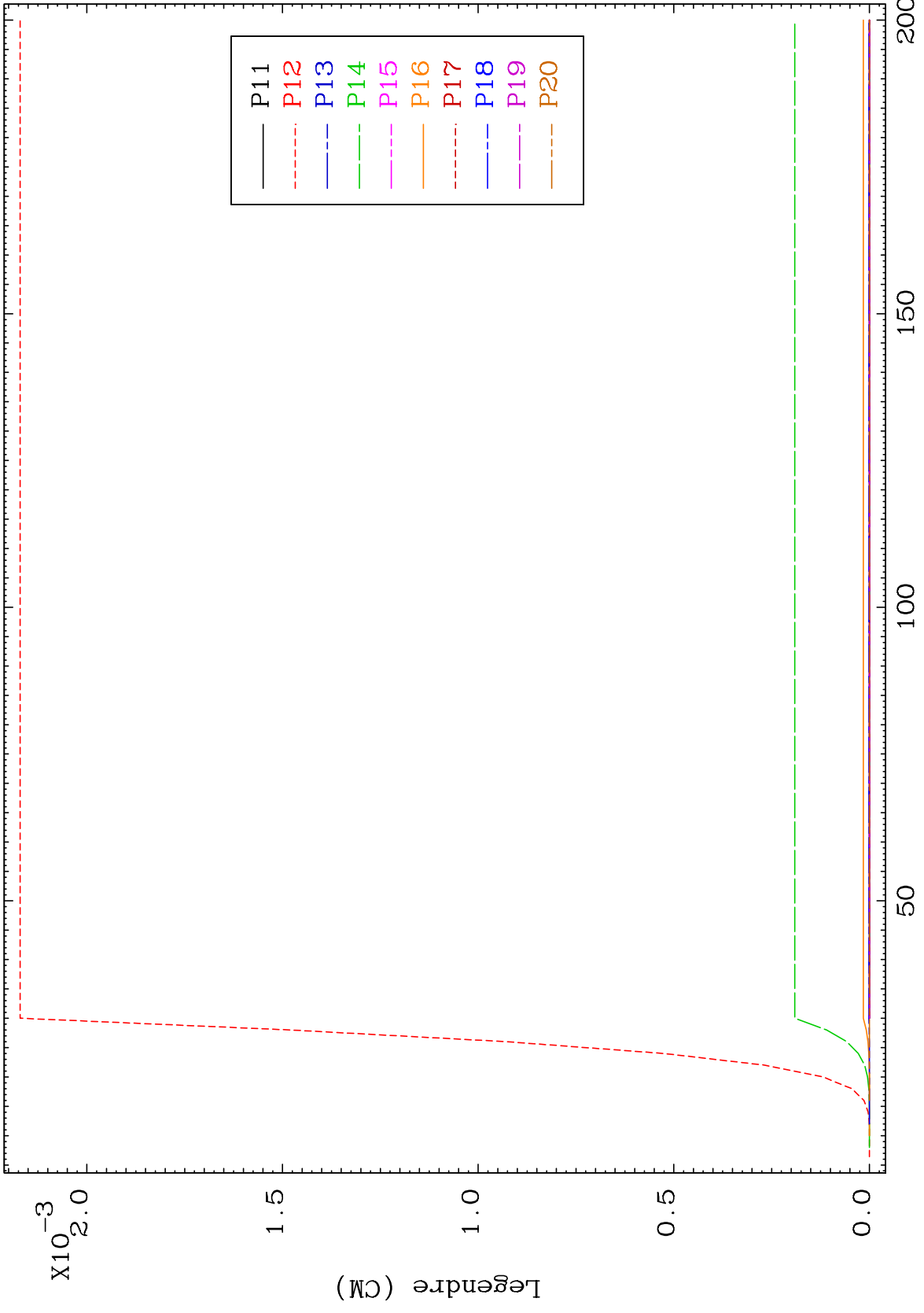
18-Ar-40

MAT 1837 MT= 62 (n,n') Level Legendre Coefficients 18-Ar-40



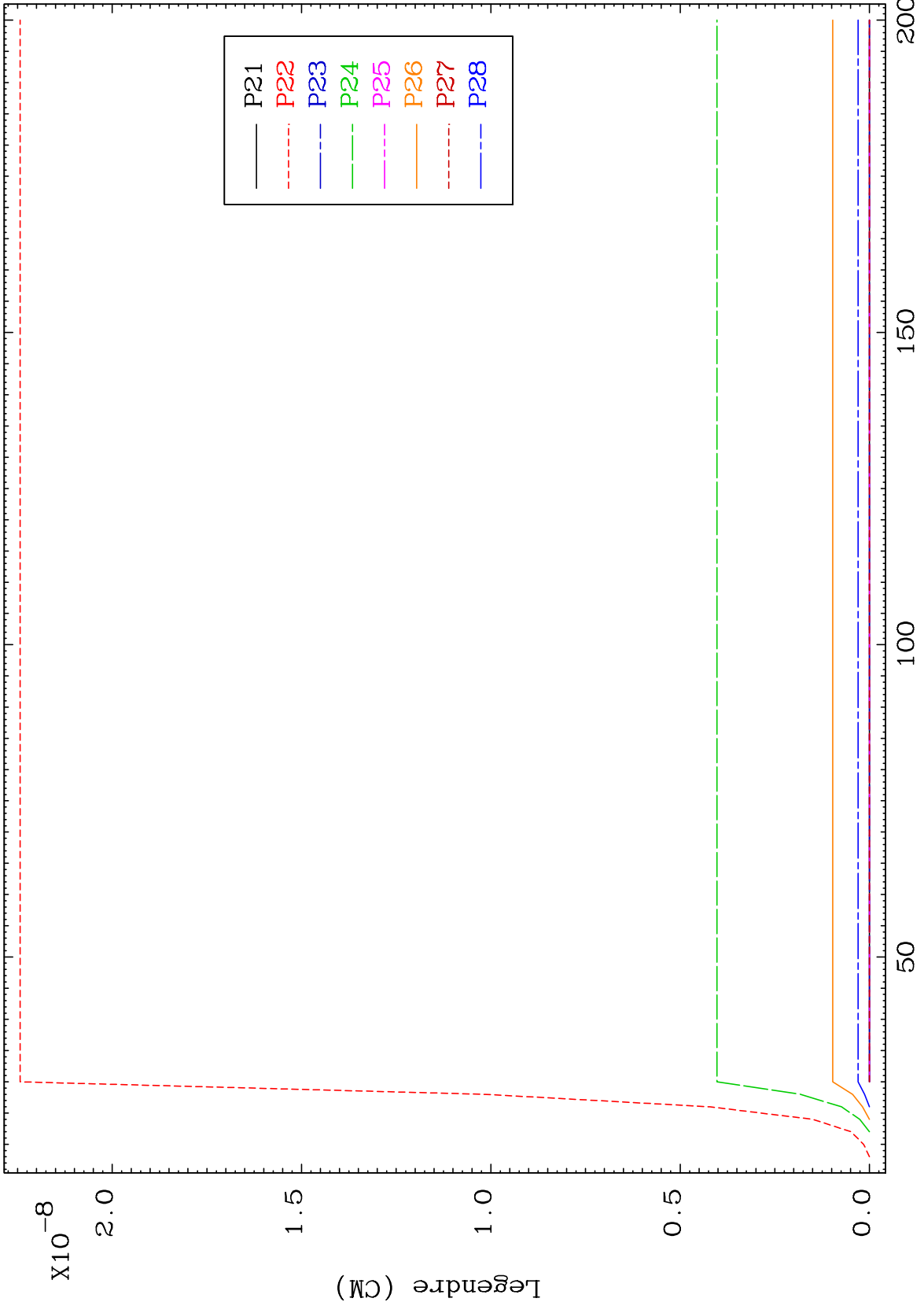
52 Incident Energy (MeV) 18-Ar-40

MAT 1837 MT= 62 (n,n') Level Legendre Coefficients 18-Ar-40



53 Incident Energy (MeV) 18-Ar-40

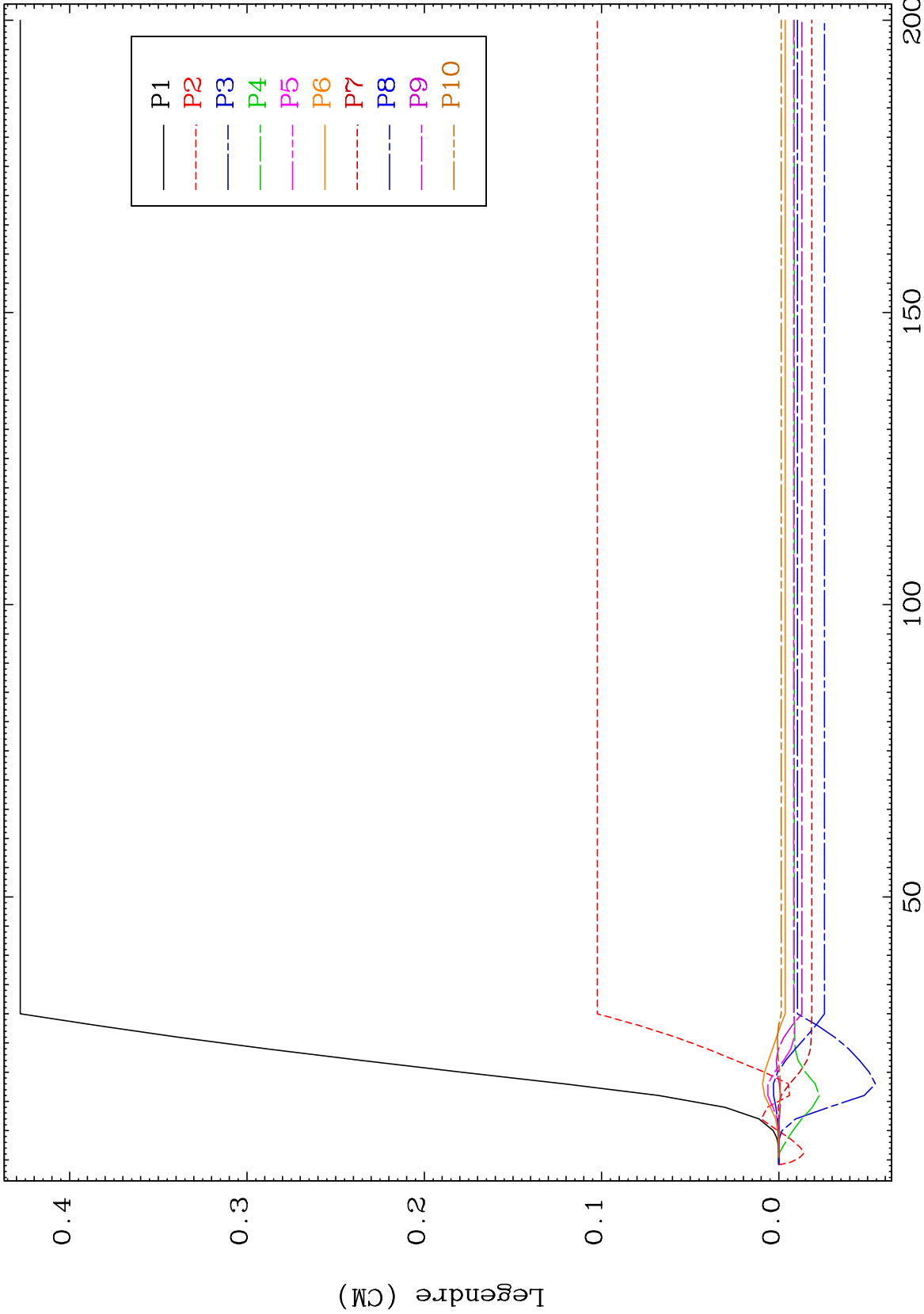
MAT 1837 MT= 62 (n,n') Level Legendre Coefficients 18-Ar-40



MAT 1837

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

18-Ar-40



55

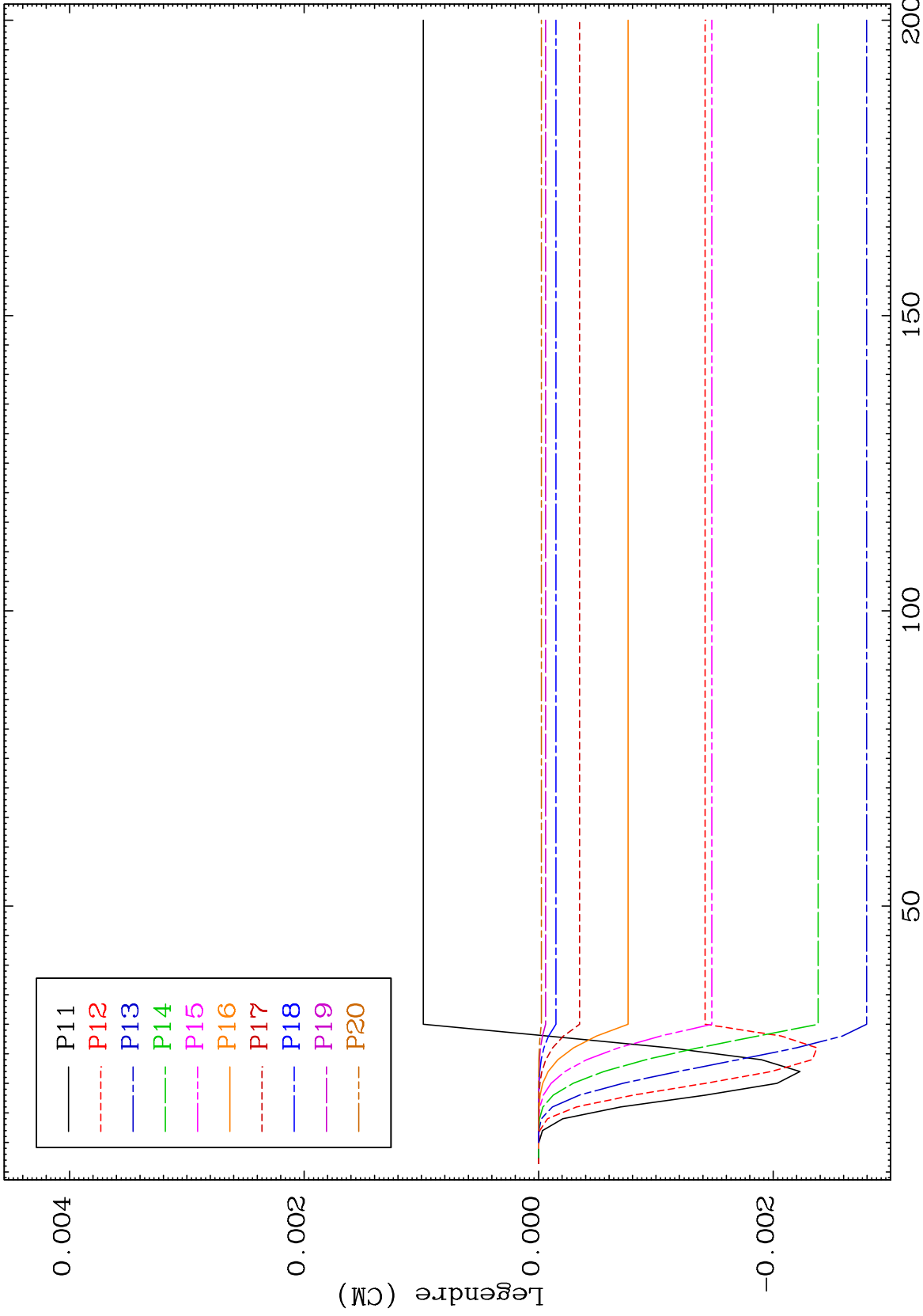
Incident Energy (MeV)

18-Ar-40

MAT 1837

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

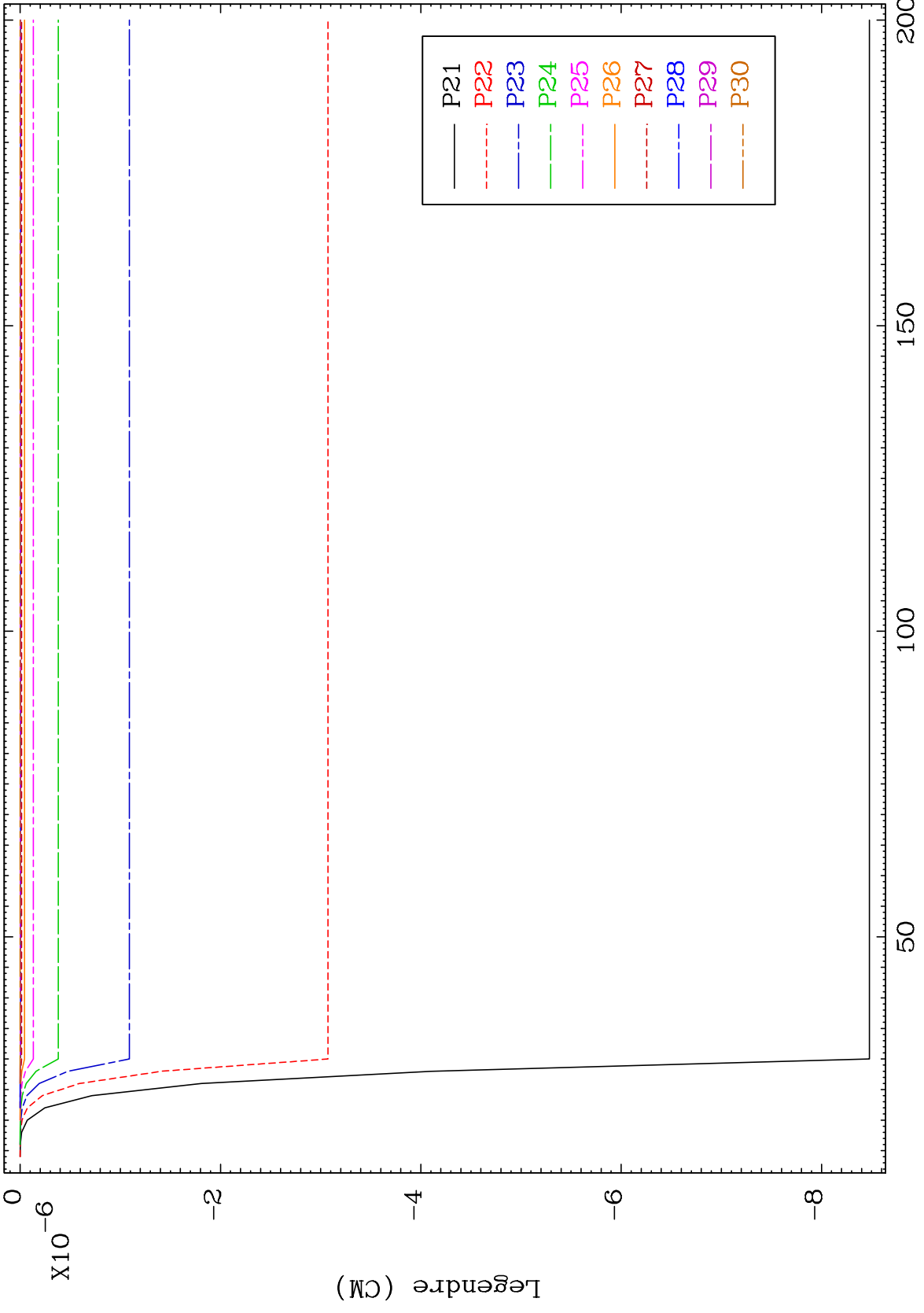
18-Ar-40



56

18-Ar-40

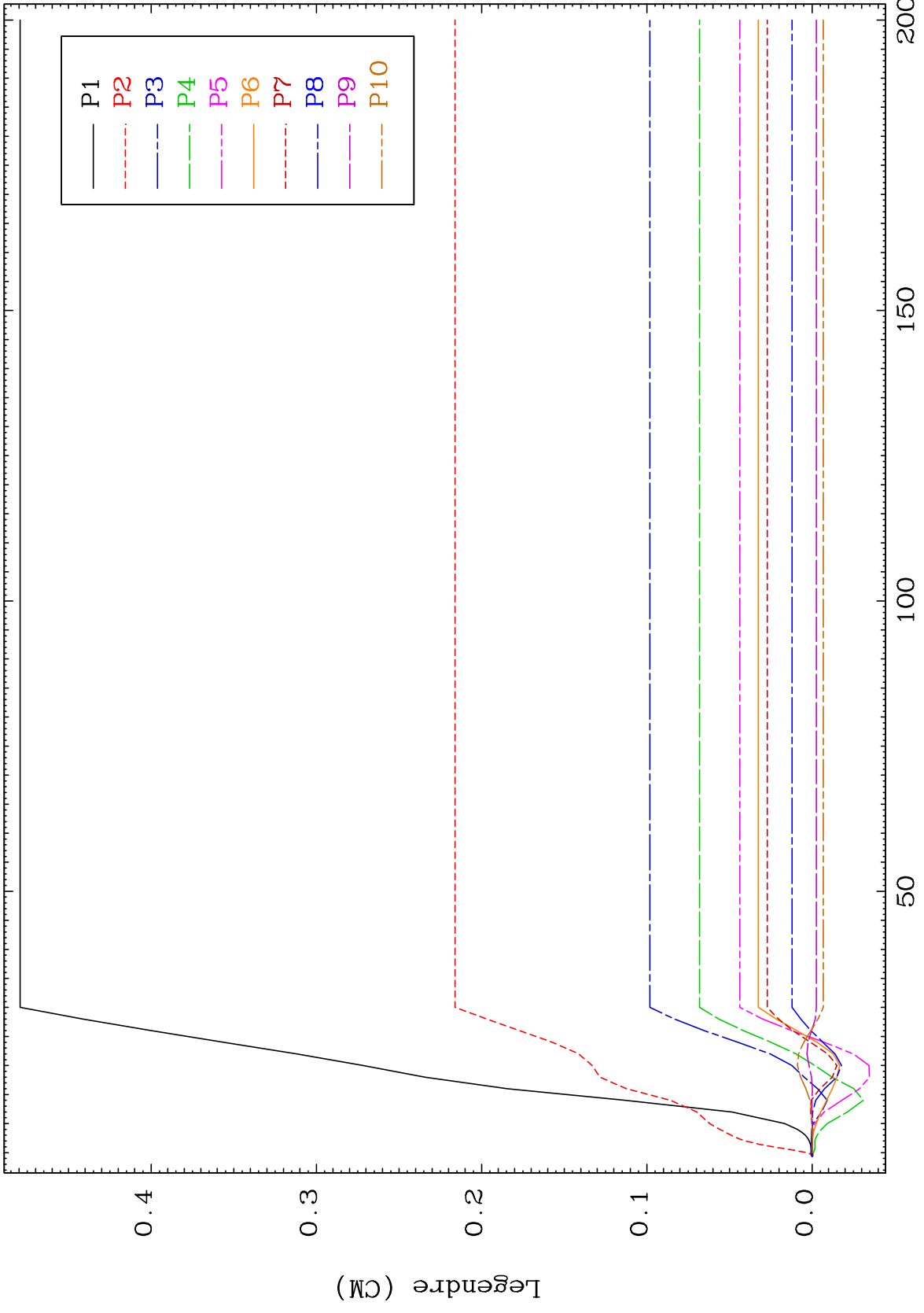
MAT 1837 MT= 63 (n,n') Level Legendre Coefficients 18-Ar-40



MAT 1837

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

18-Ar-40



58

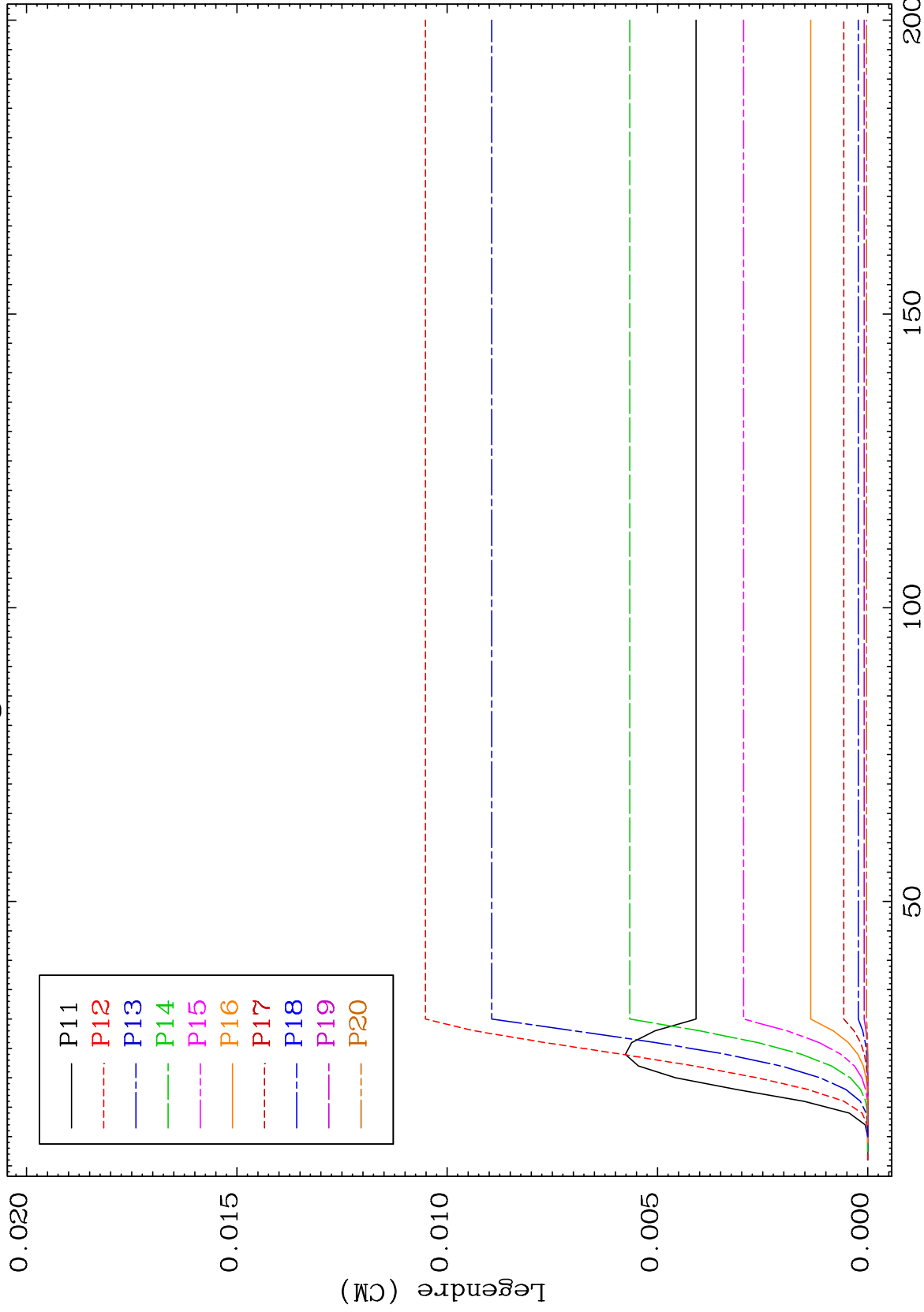
Incident Energy (MeV)

18-Ar-40

MAT 1837

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

18-Ar-40



59

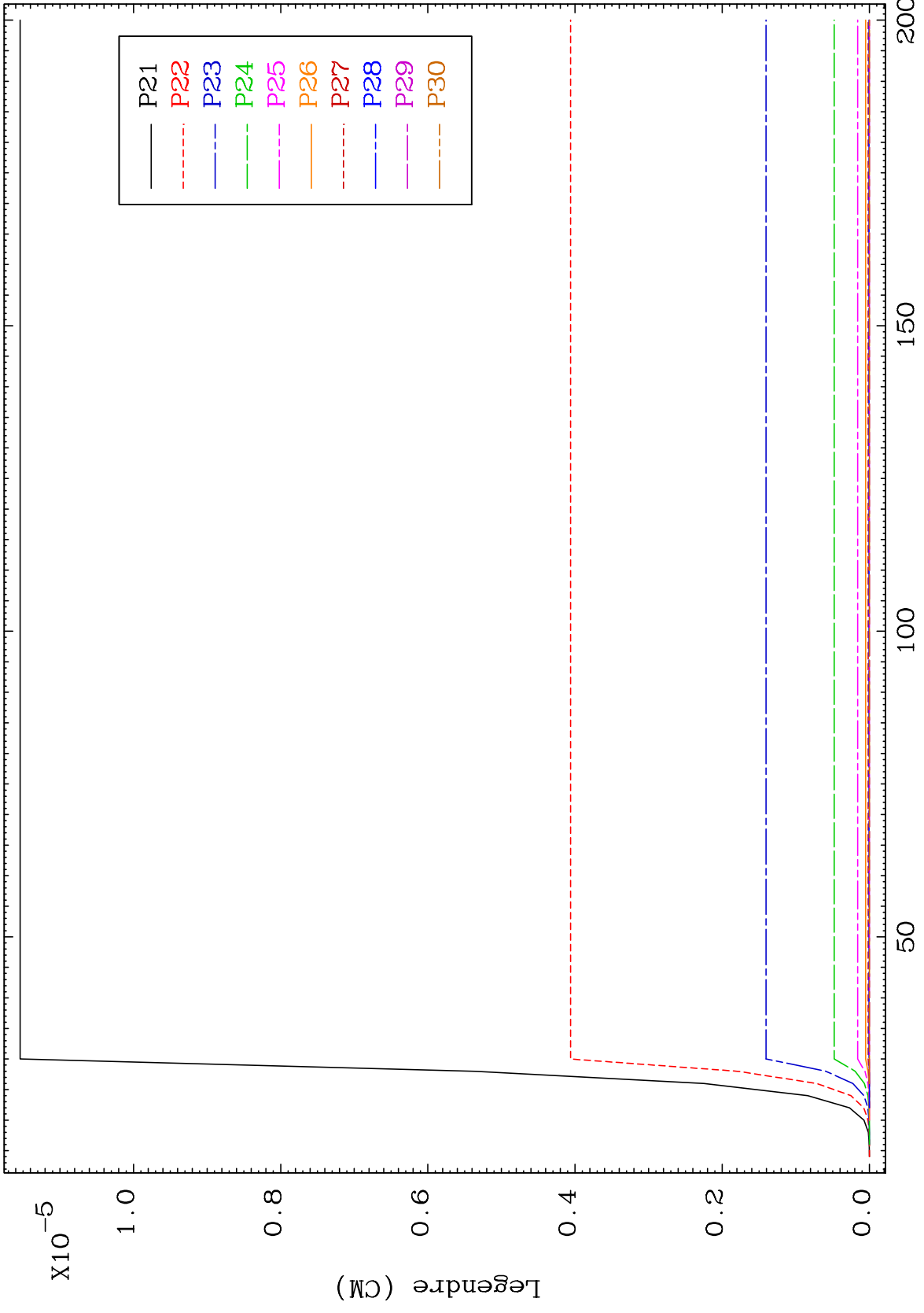
Incident Energy (MeV)

18-Ar-40

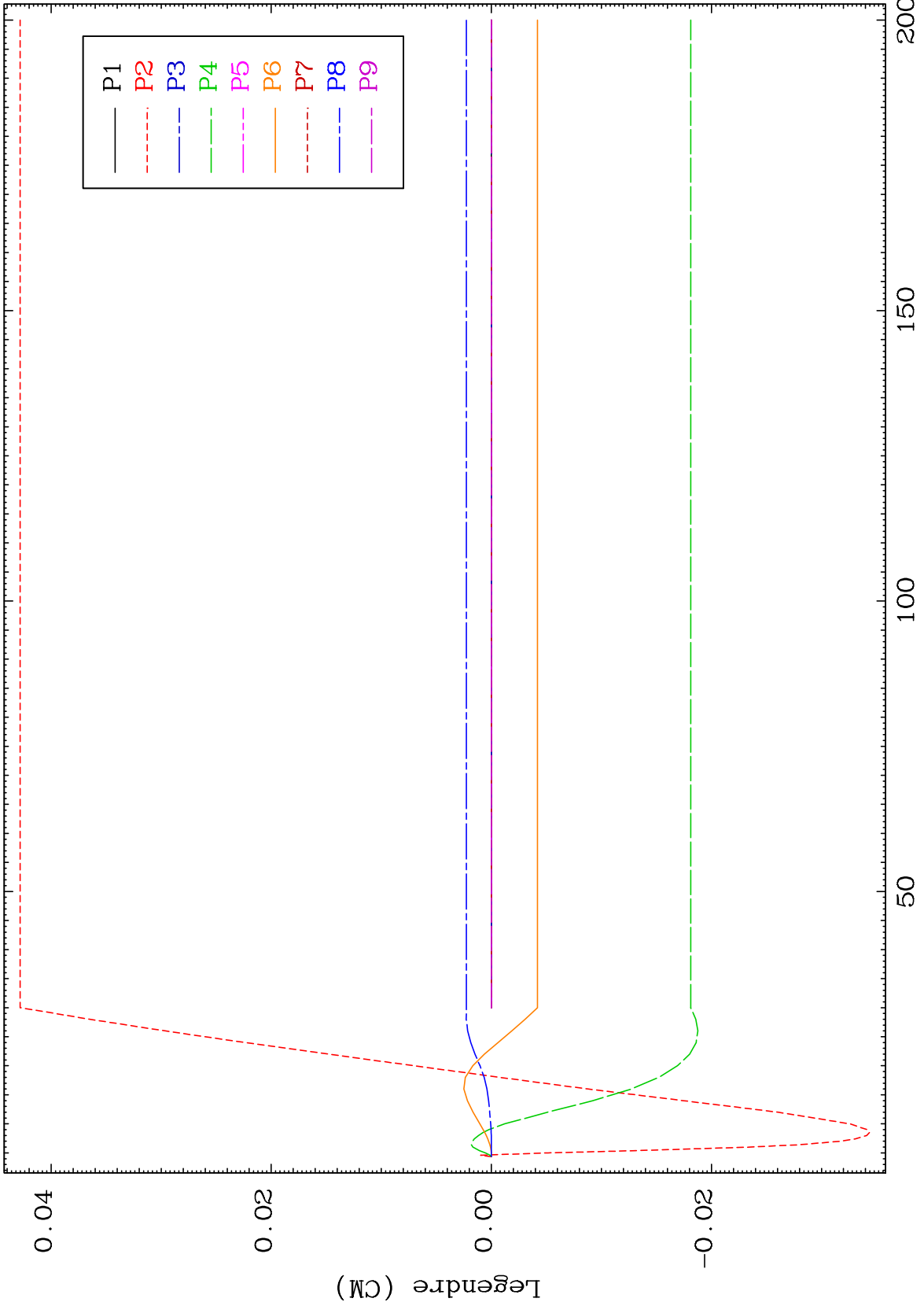
MAT 1837

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

18-Ar-40



MAT 1837 MT= 65 (n,n') Level Legendre Coefficients 18-Ar-40

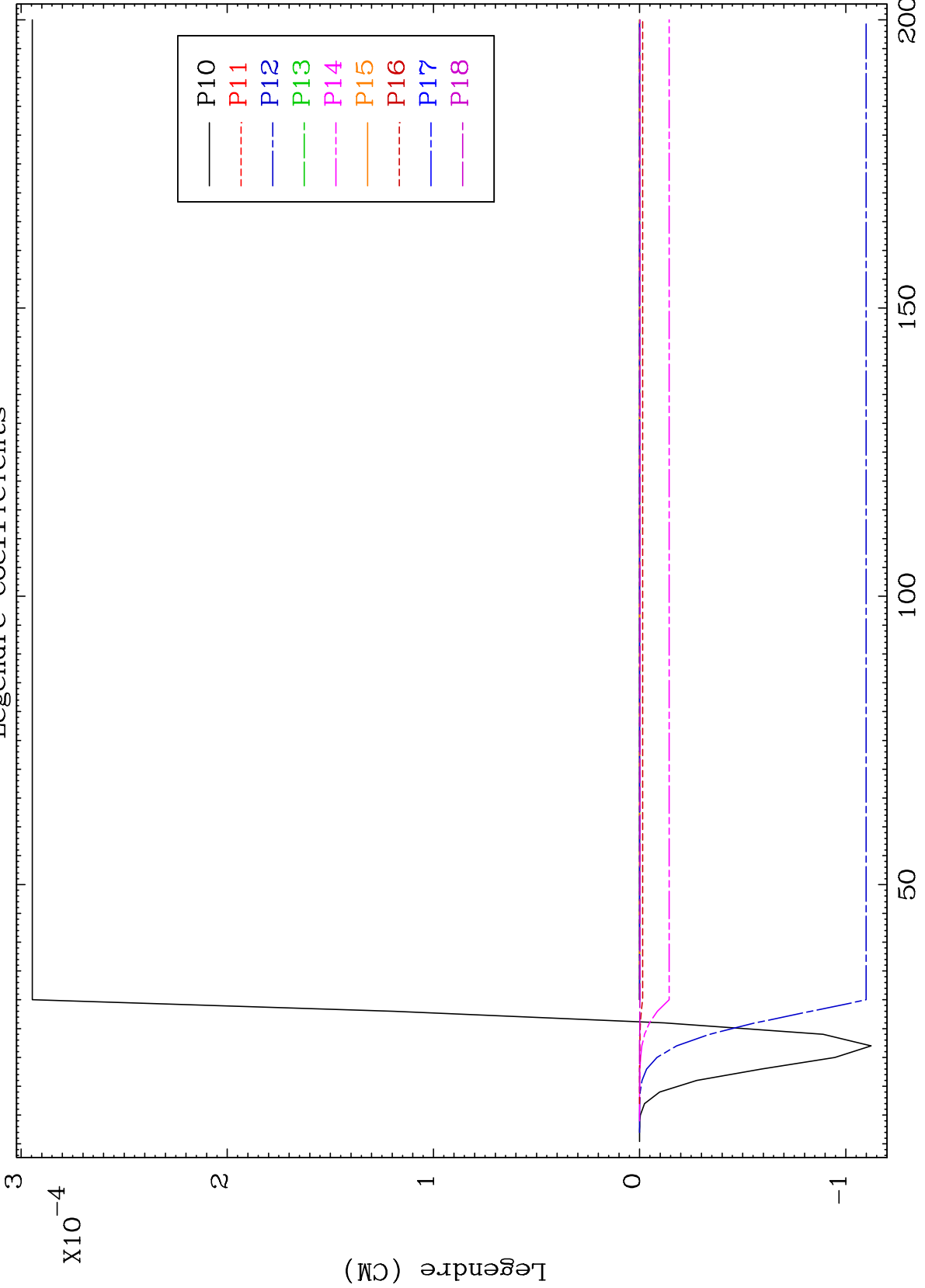


61 18-Ar-40

MAT 1837

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

18-Ar-40

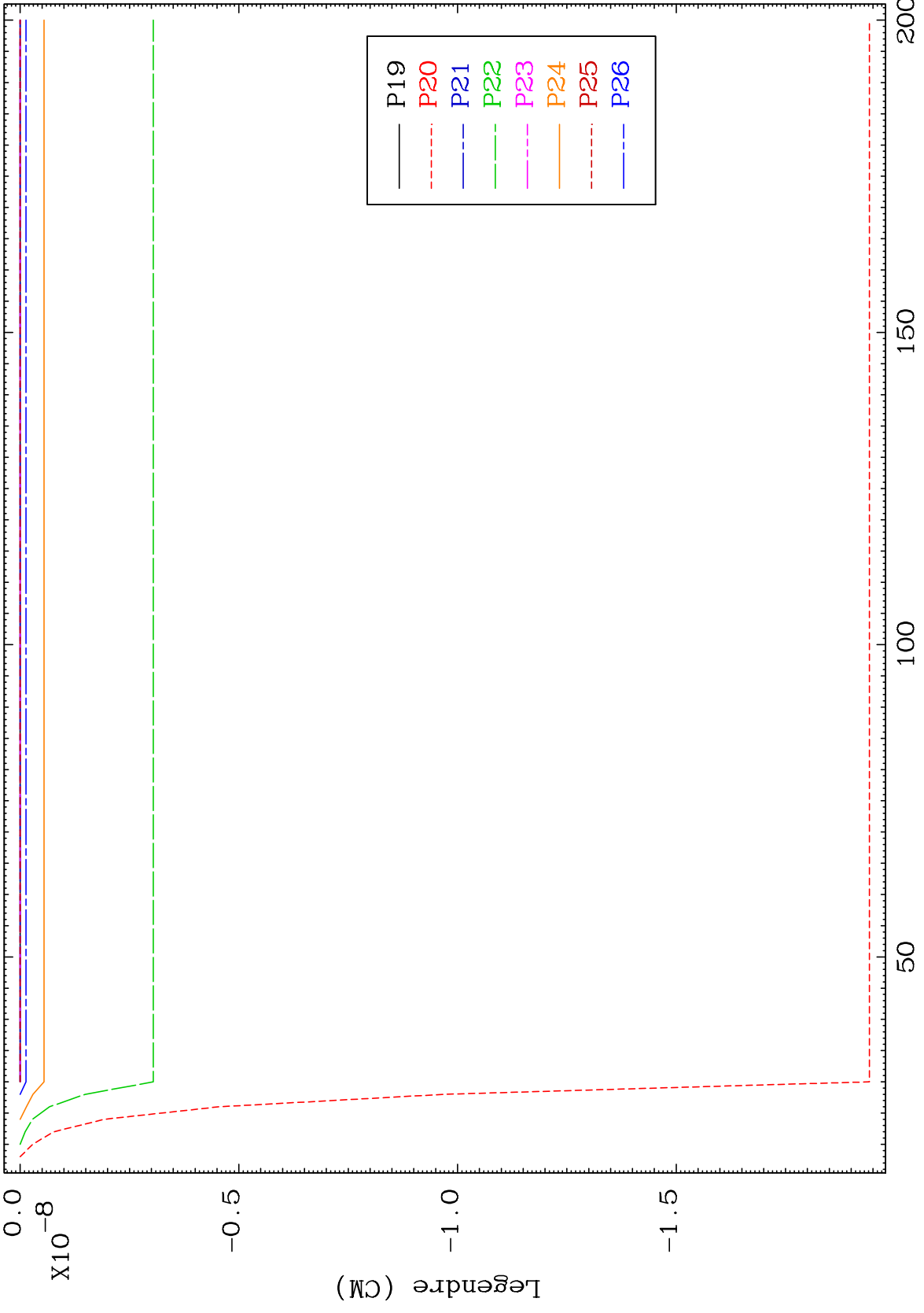


62

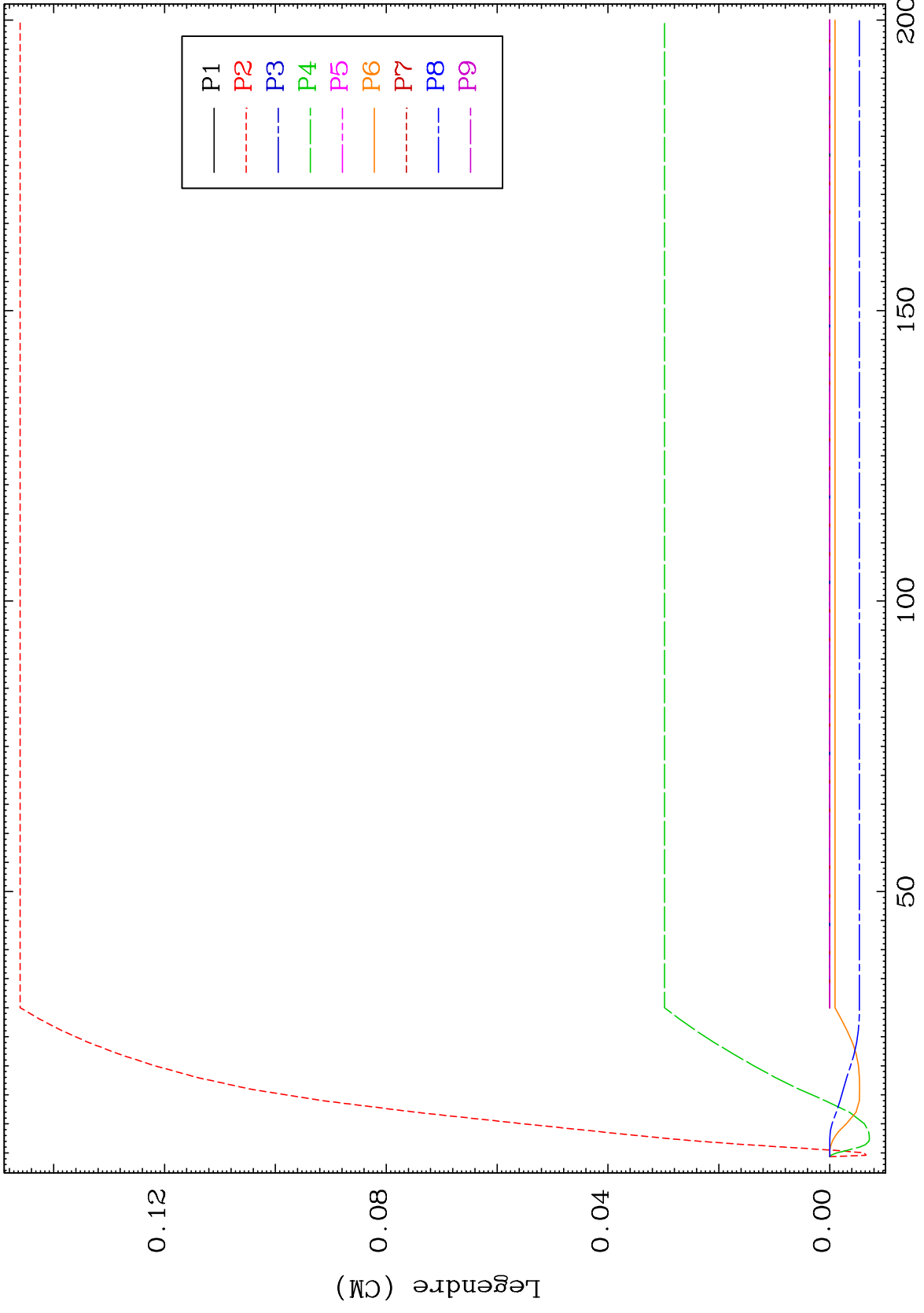
Incident Energy (MeV)

18-Ar-40

MAT 1837 MT= 65 (n,n') Level Legendre Coefficients 18-Ar-40

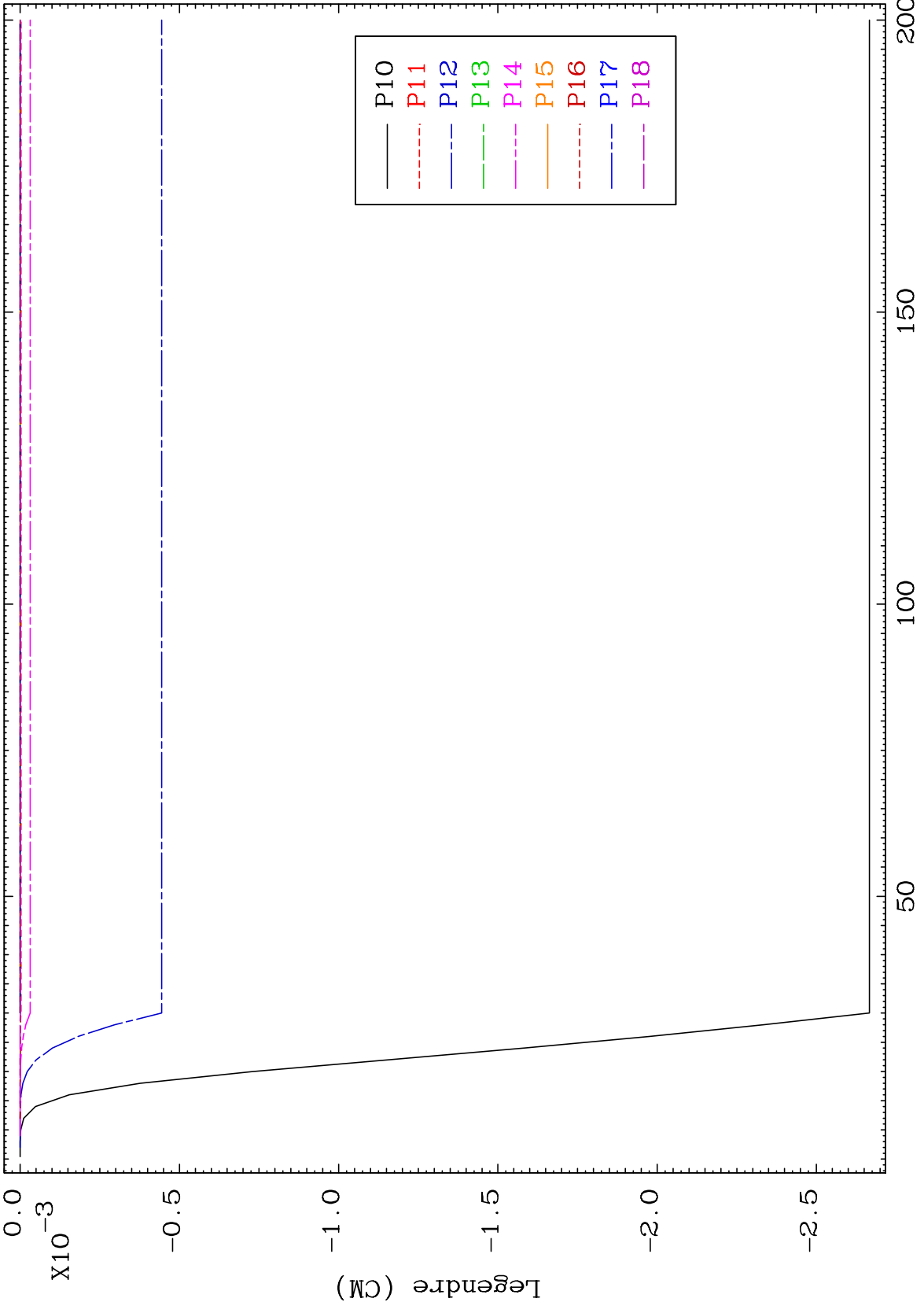


MAT 1837 MT= 66 (n,n') Level Legendre Coefficients 18-Ar-40



64 Incident Energy (MeV) 18-Ar-40

MAT 1837 MT= 66 (n,n') Level Legendre Coefficients 18-Ar-40

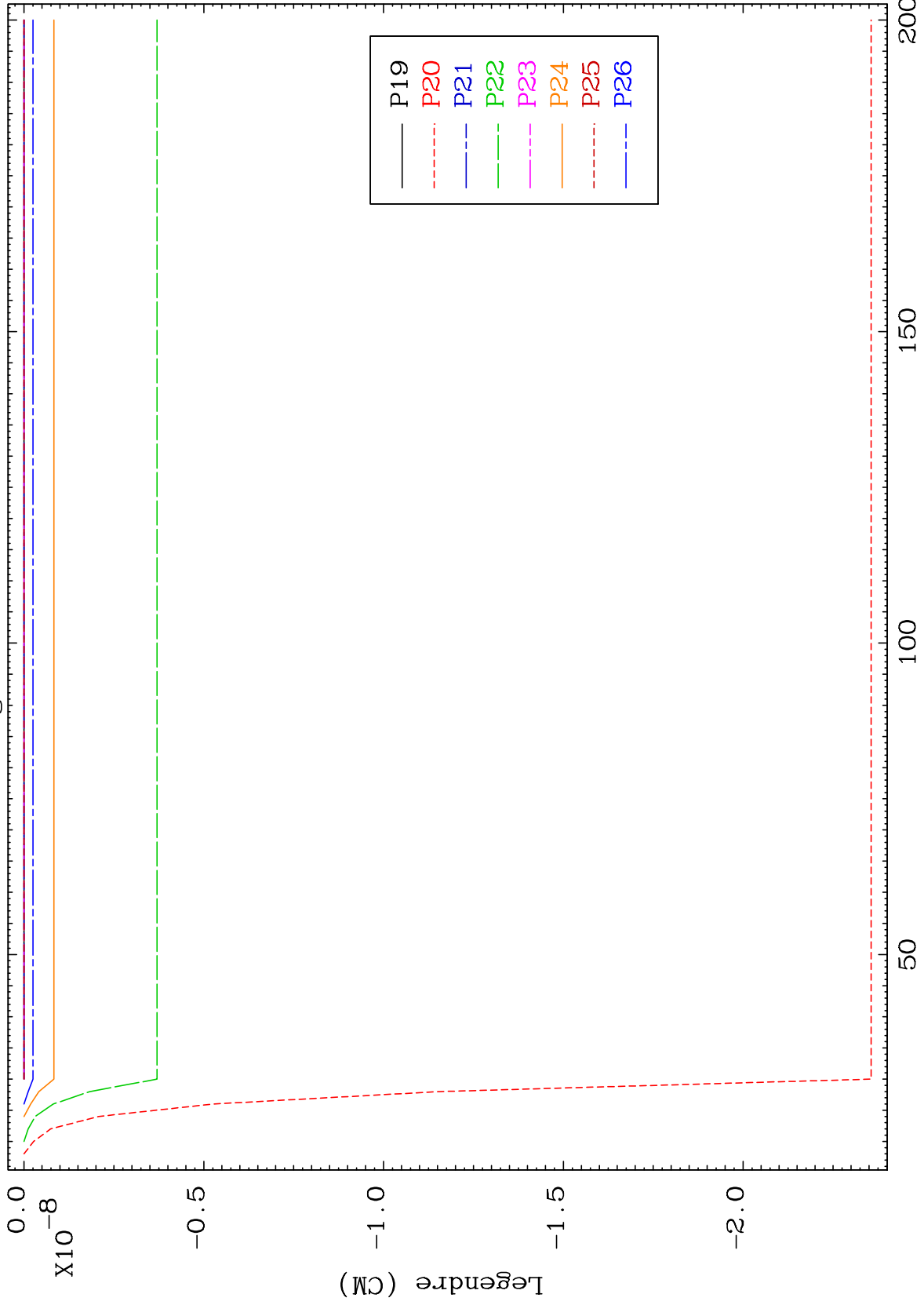


65 18-Ar-40

MAT 1837

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

18-Ar-40



18-Ar-40

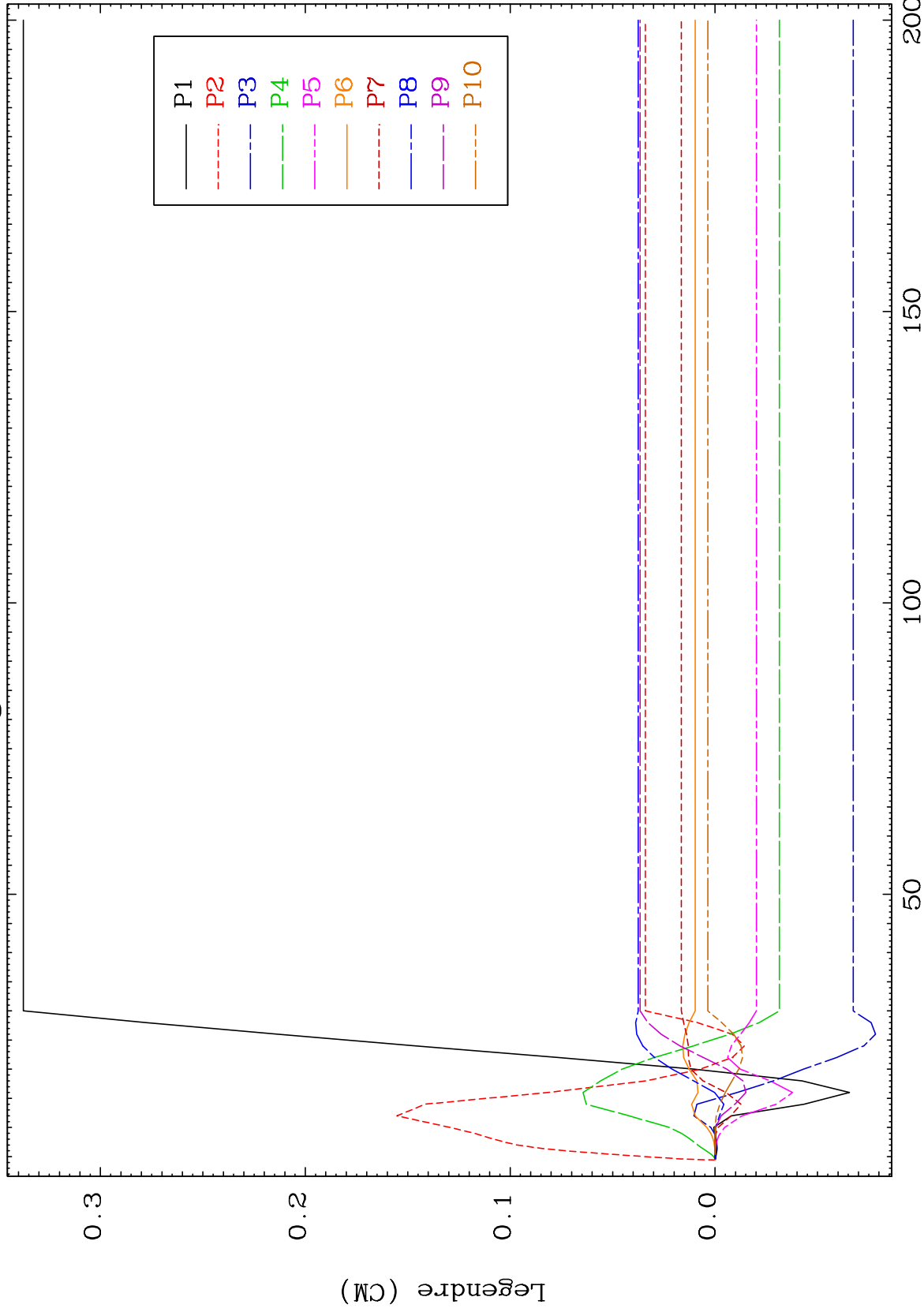
Incident Energy (MeV)

66

MAT 1837

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

18-Ar-40



67

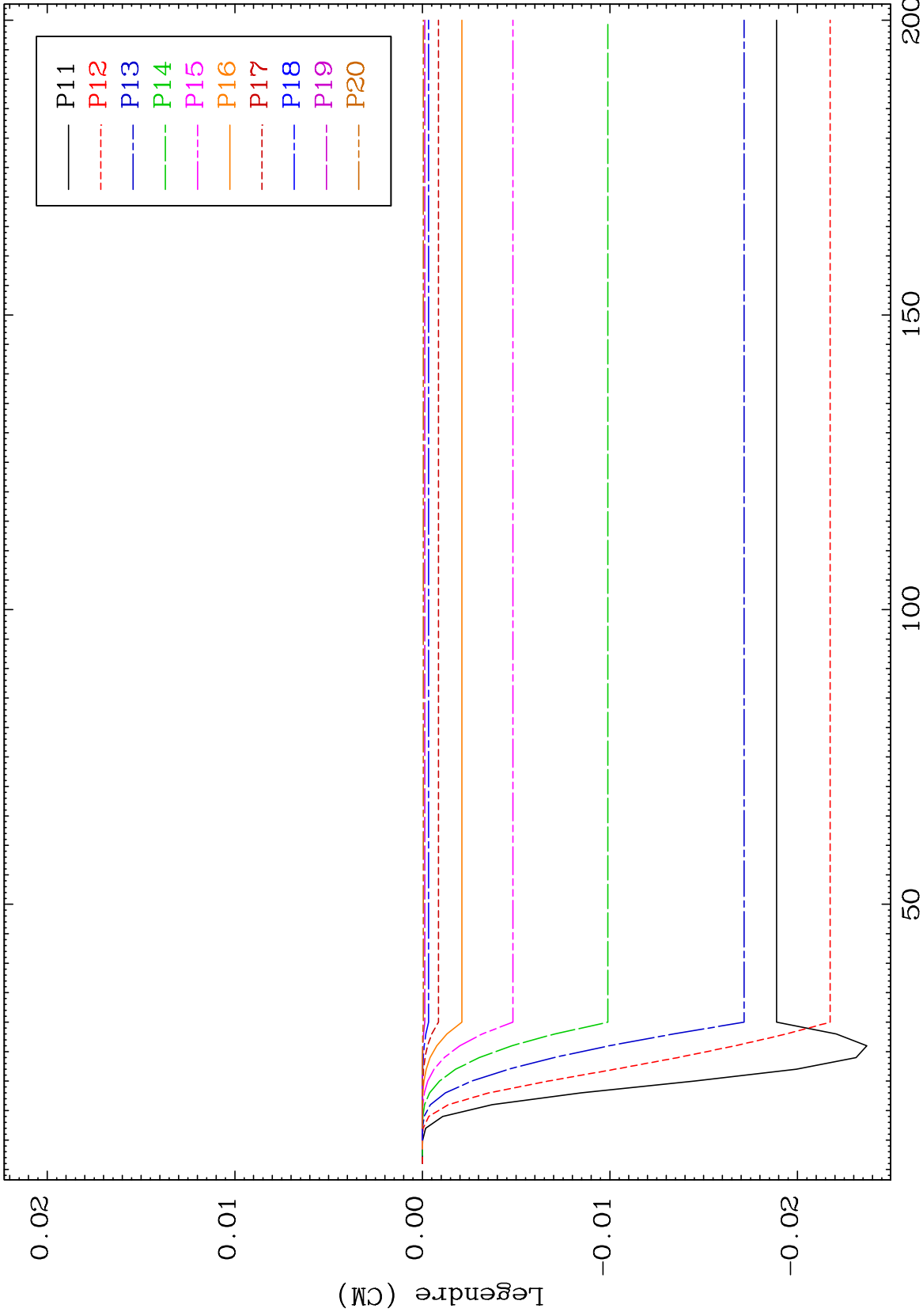
Incident Energy (MeV)

18-Ar-40

MAT 1837

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

18-Ar-40

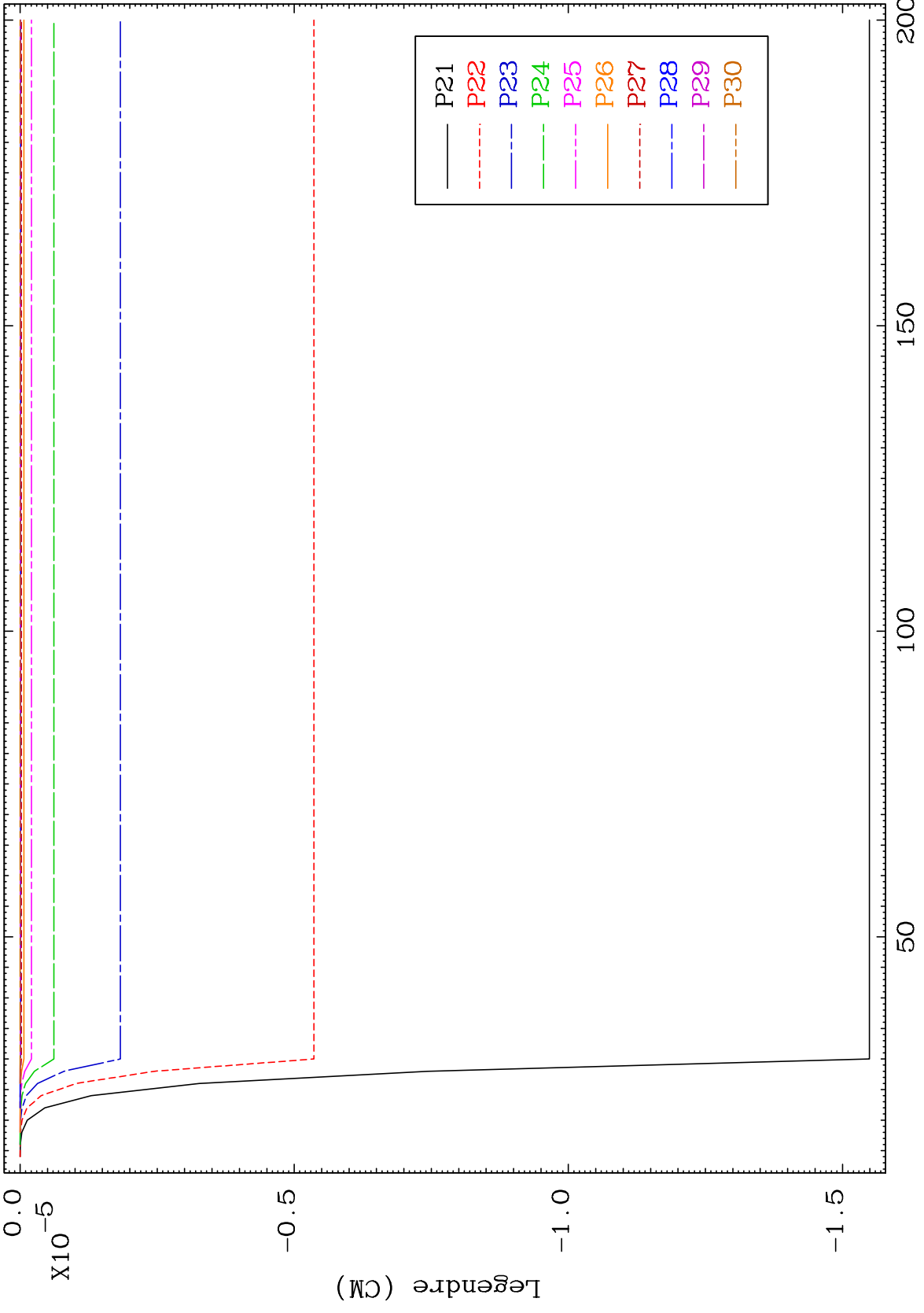


68

Incident Energy (MeV)

18-Ar-40

MAT 1837 MT= 67 (n,n') Level Legendre Coefficients 18-Ar-40

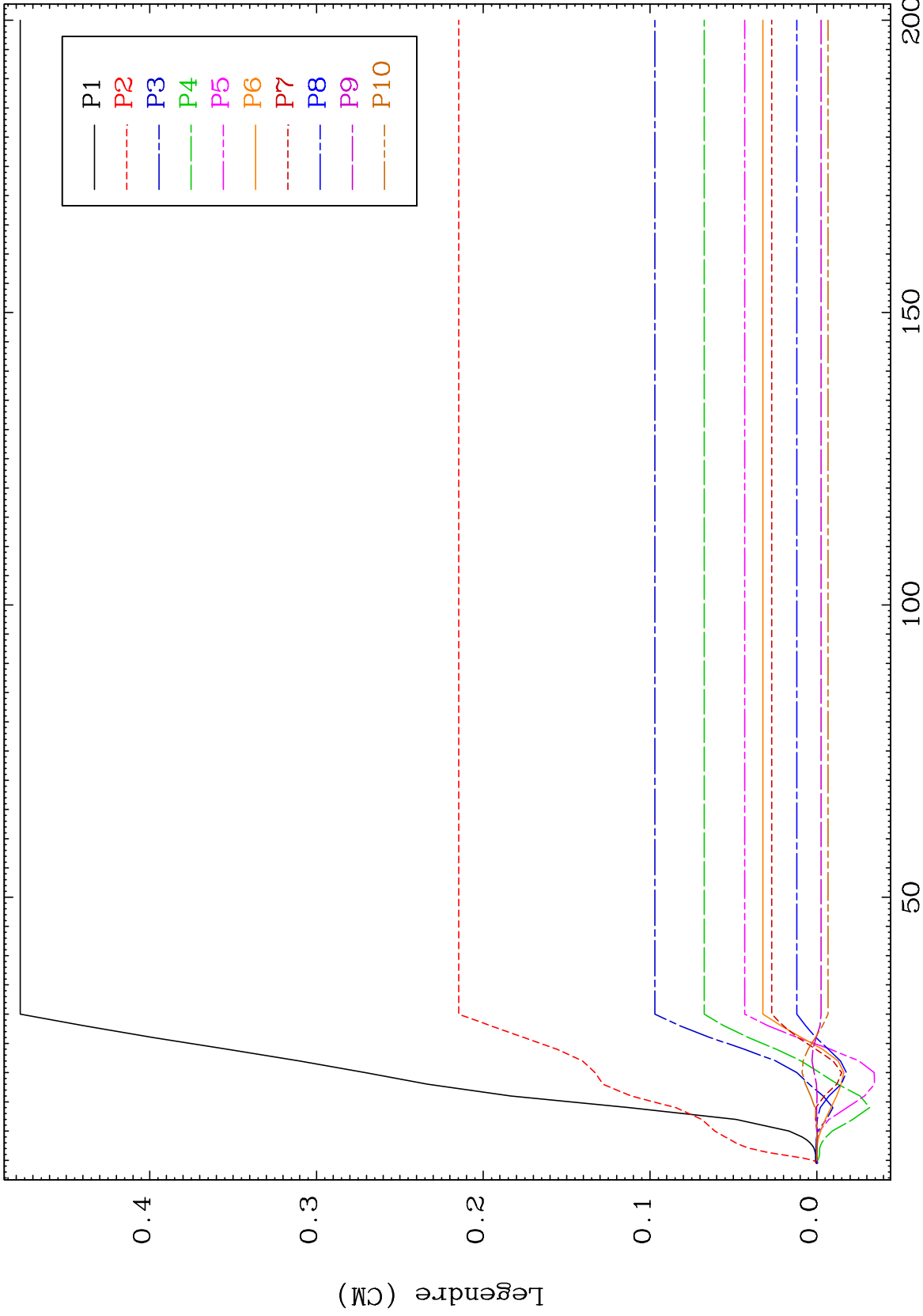


69 18-Ar-40

MAT 1837

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

18-Ar-40



70

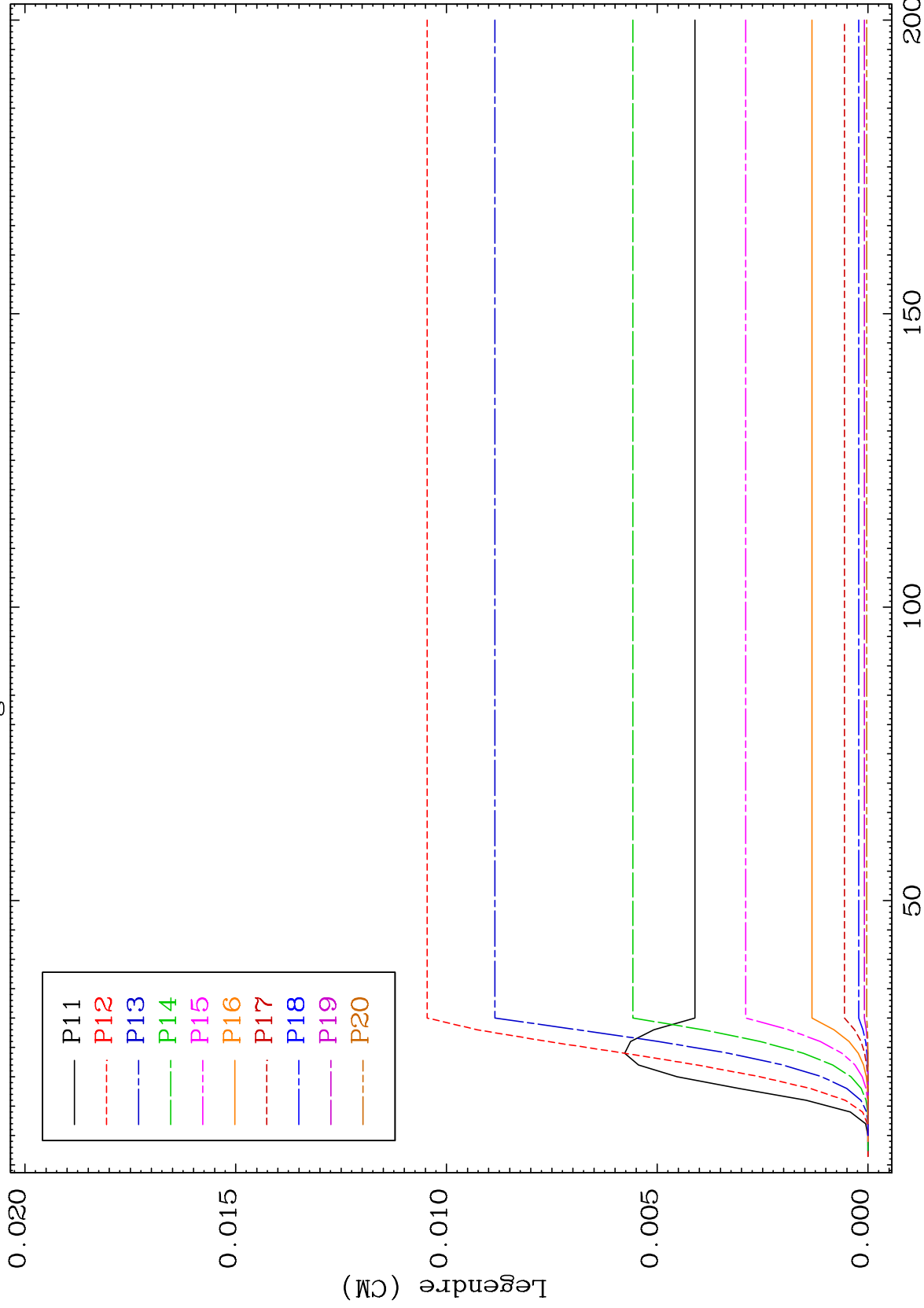
Incident Energy (MeV)

18-Ar-40

MAT 1837

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

18-Ar-40



71

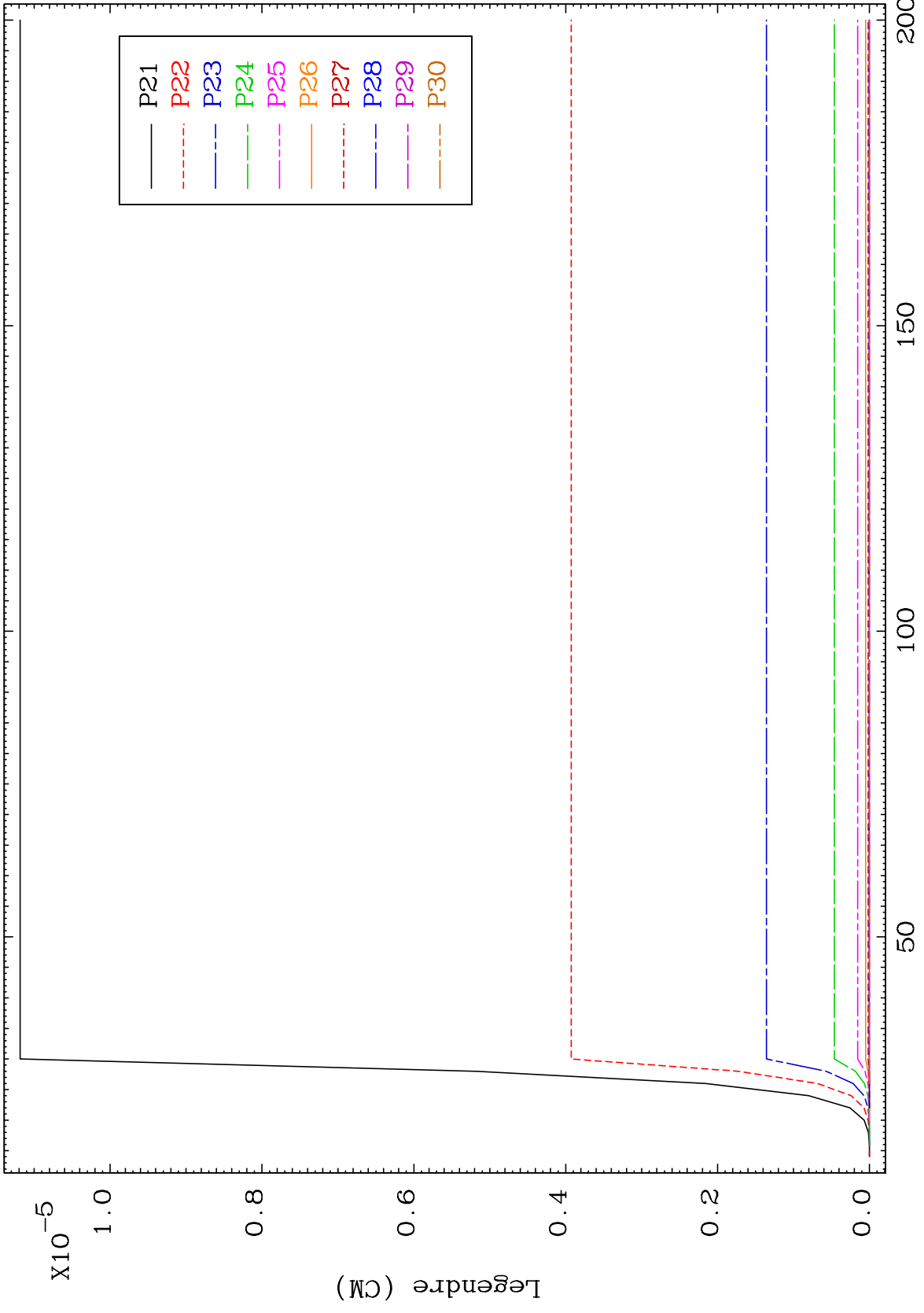
Incident Energy (MeV)

18-Ar-40

MAT 1837

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

18-Ar-40

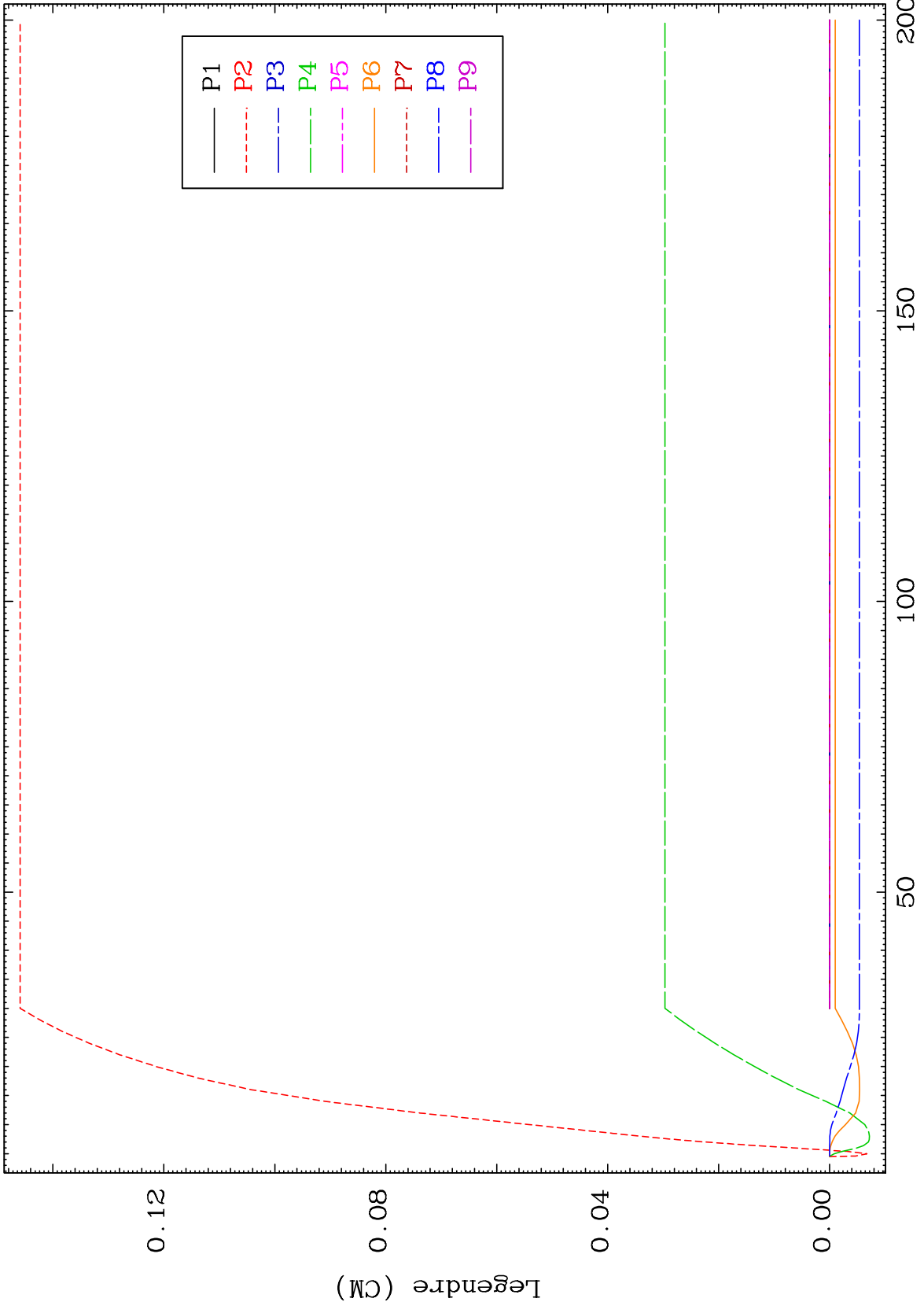


72

Incident Energy (MeV)

18-Ar-40

MAT 1837 MT= 69 (n,n') Level Legendre Coefficients 18-Ar-40

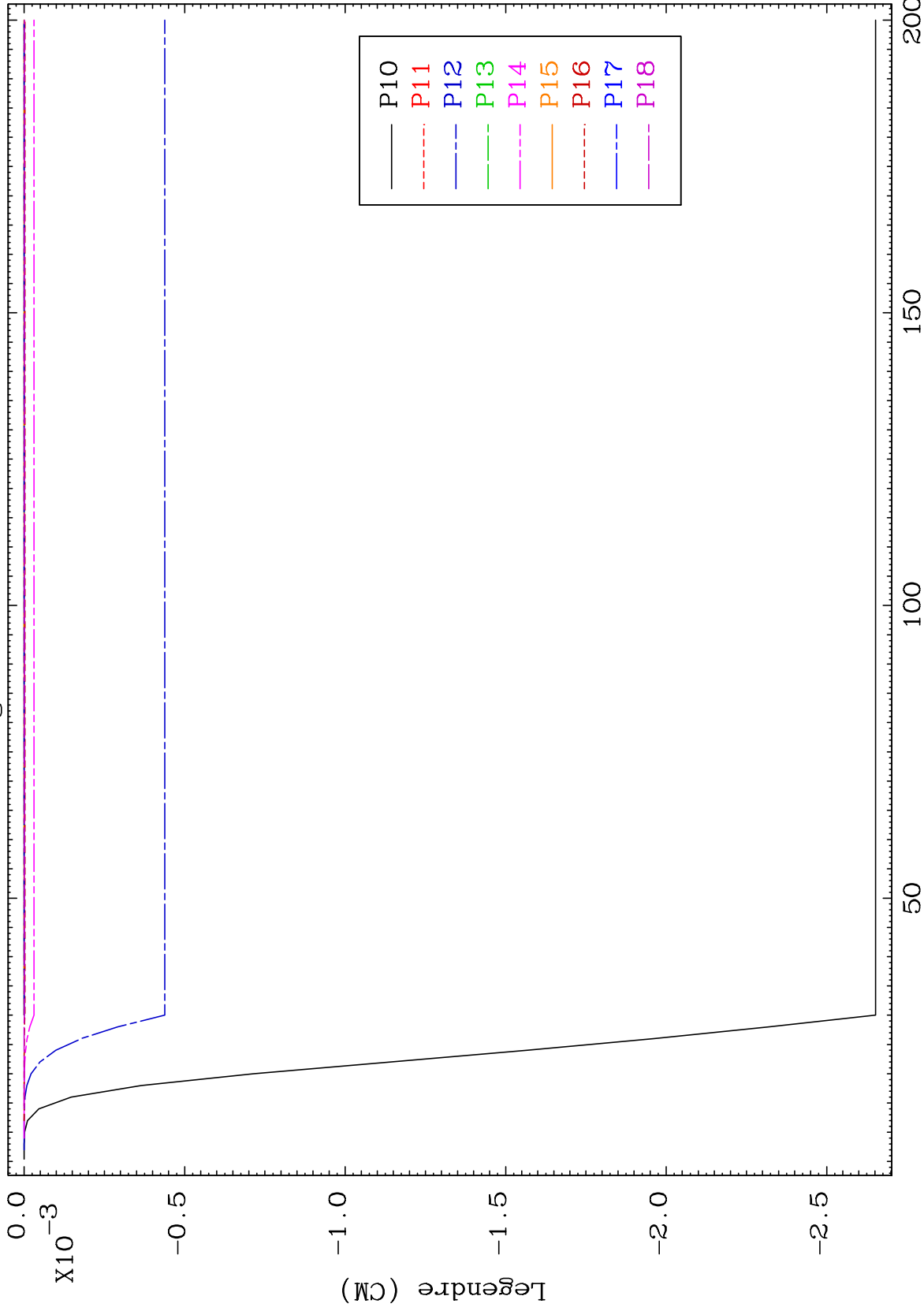


73 18-Ar-40

MAT 1837

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

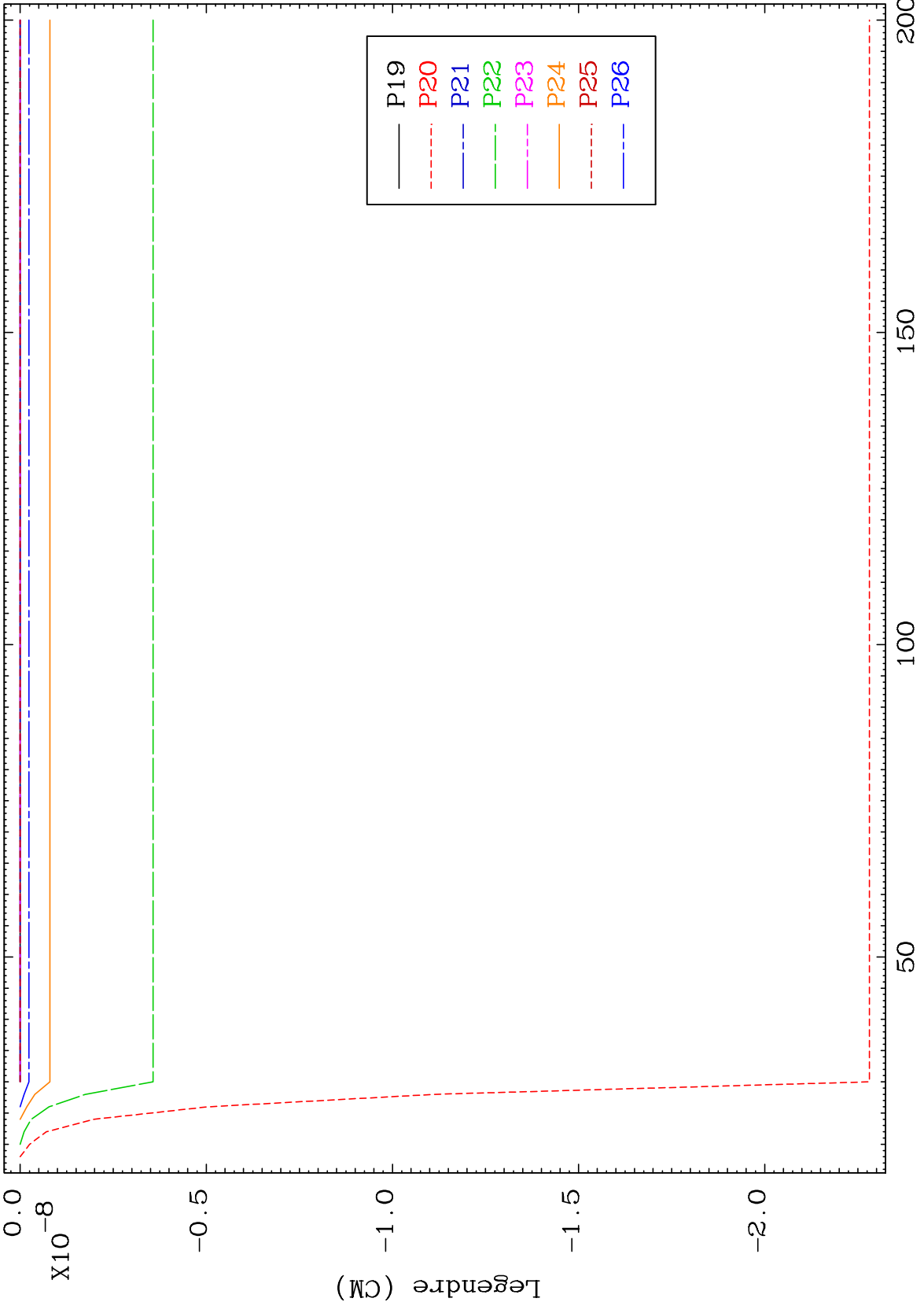
18-Ar-40



74

18-Ar-40

MAT 1837 MT= 69 (n,n') Level Legendre Coefficients 18-Ar-40

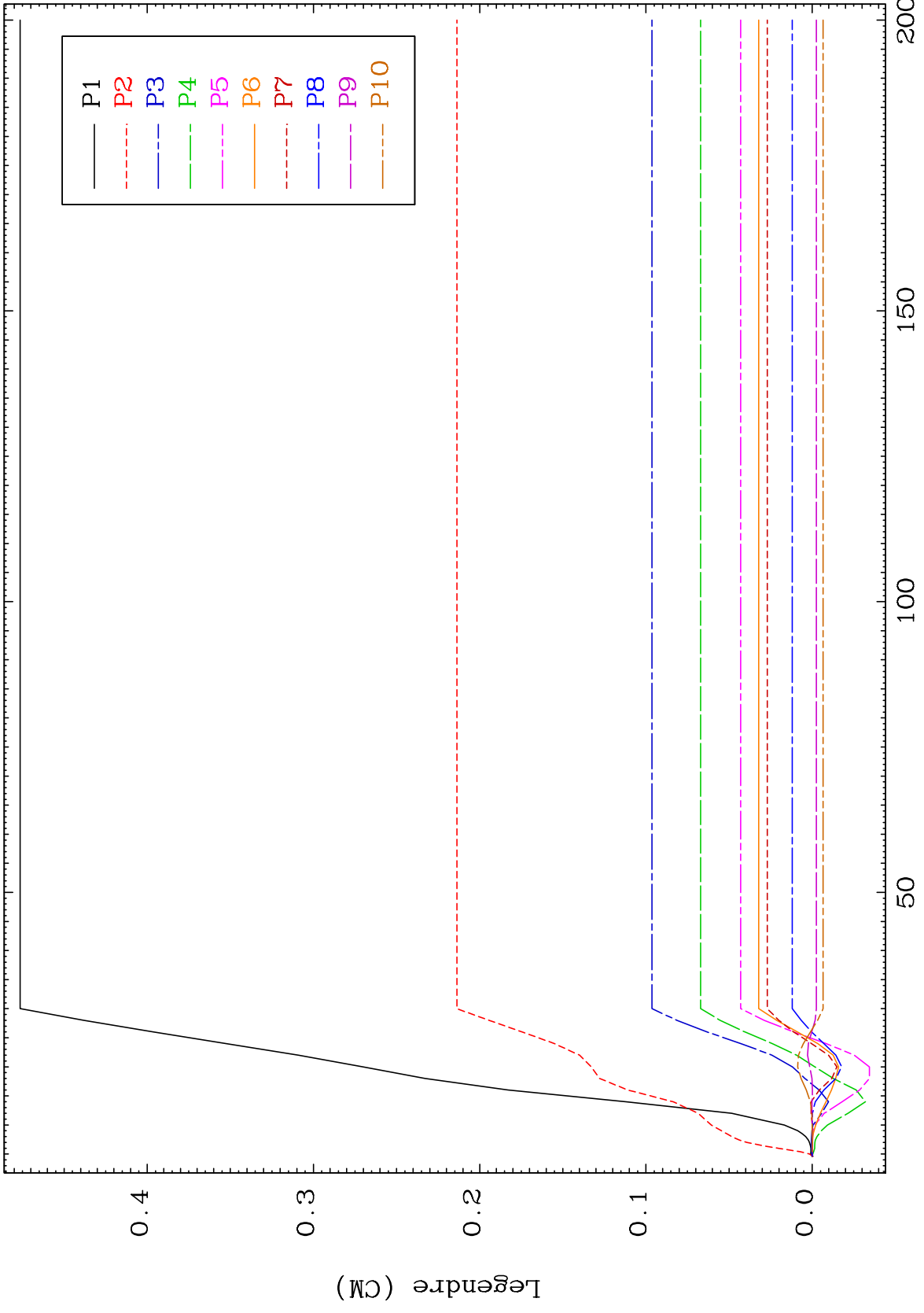


75 Incident Energy (MeV) 18-Ar-40

MAT 1837

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

18-Ar-40



76

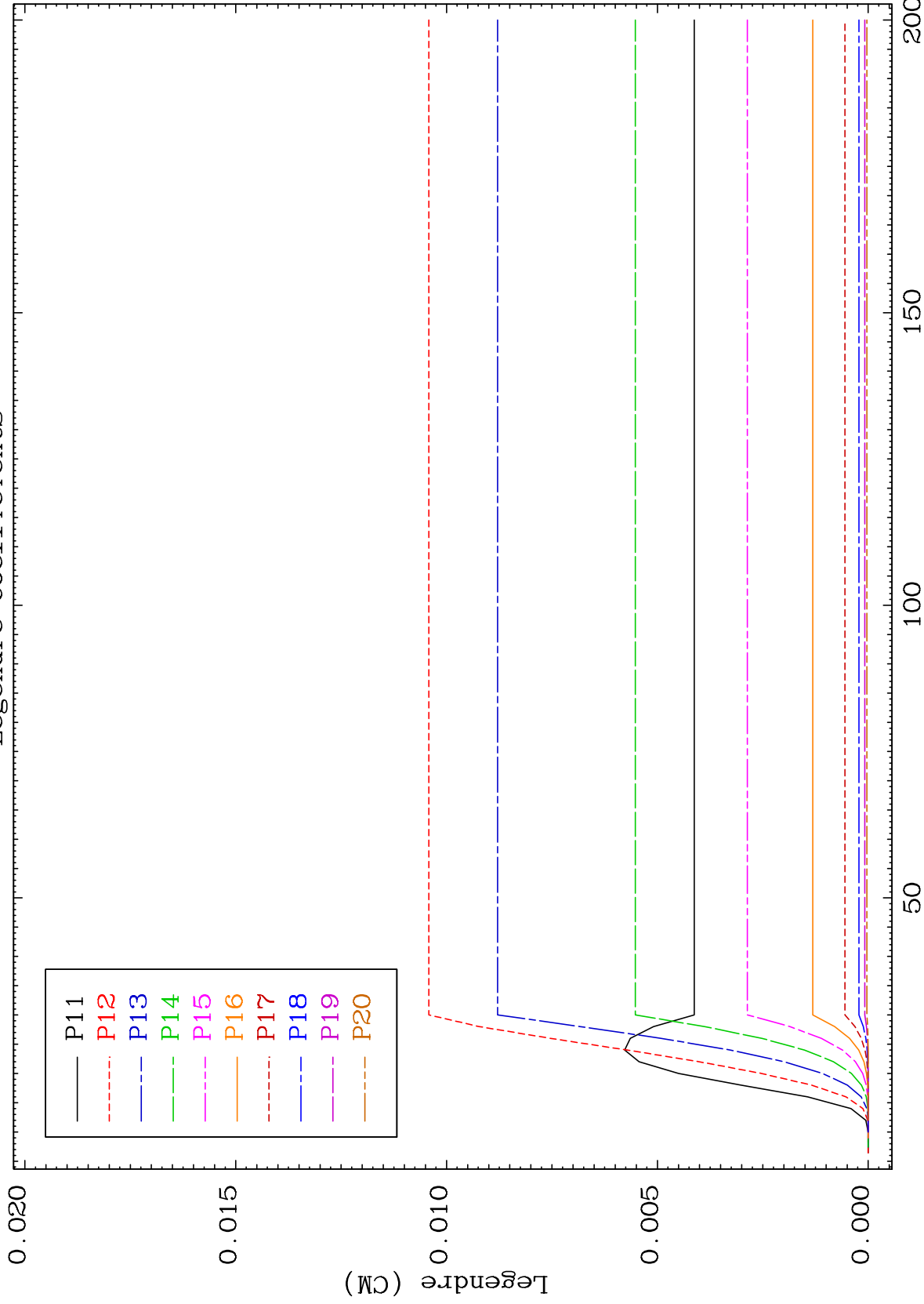
Incident Energy (MeV)

18-Ar-40

MAT 1837

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

18-Ar-40



77

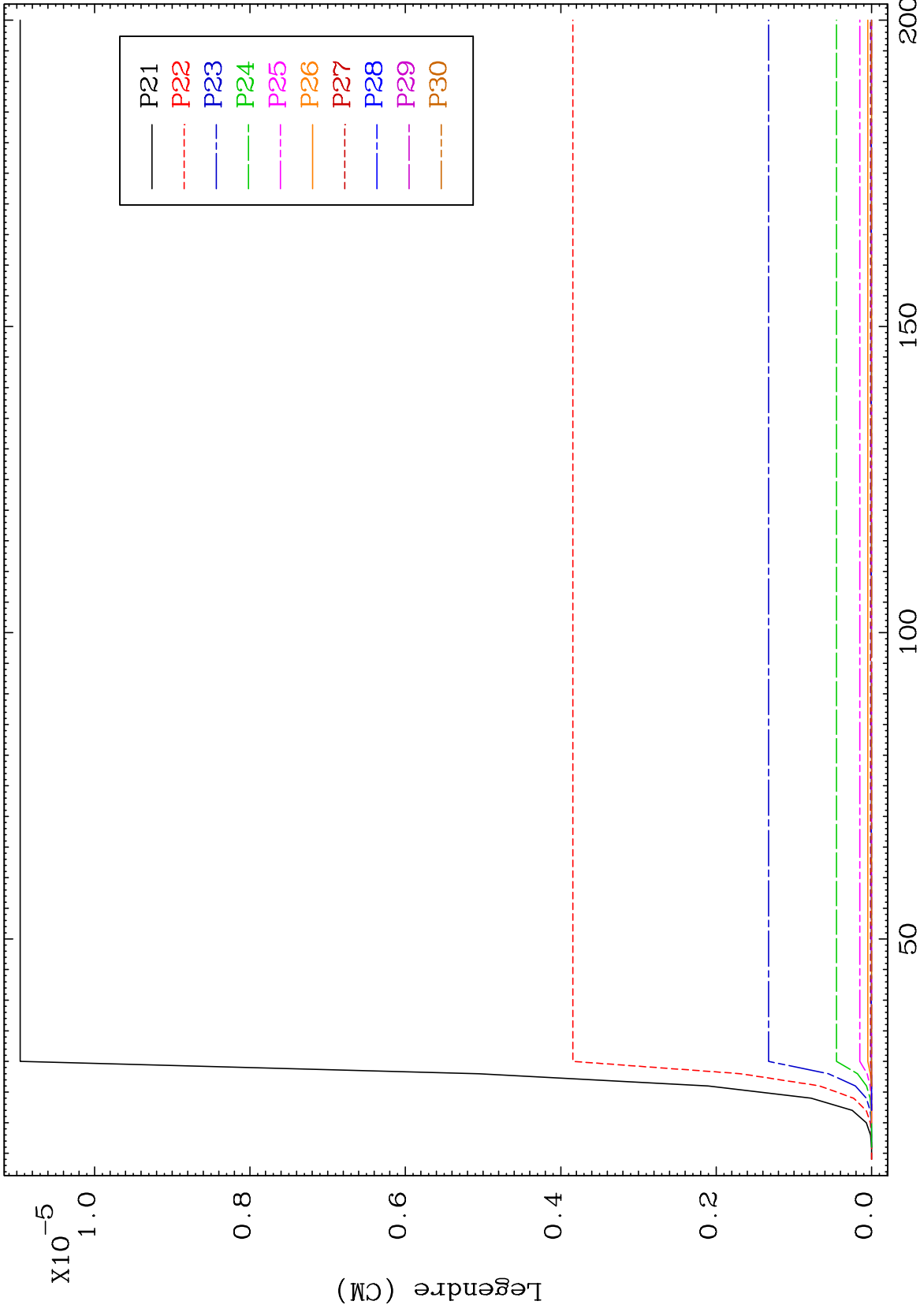
Incident Energy (MeV)

18-Ar-40

MAT 1837

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

18-Ar-40



78

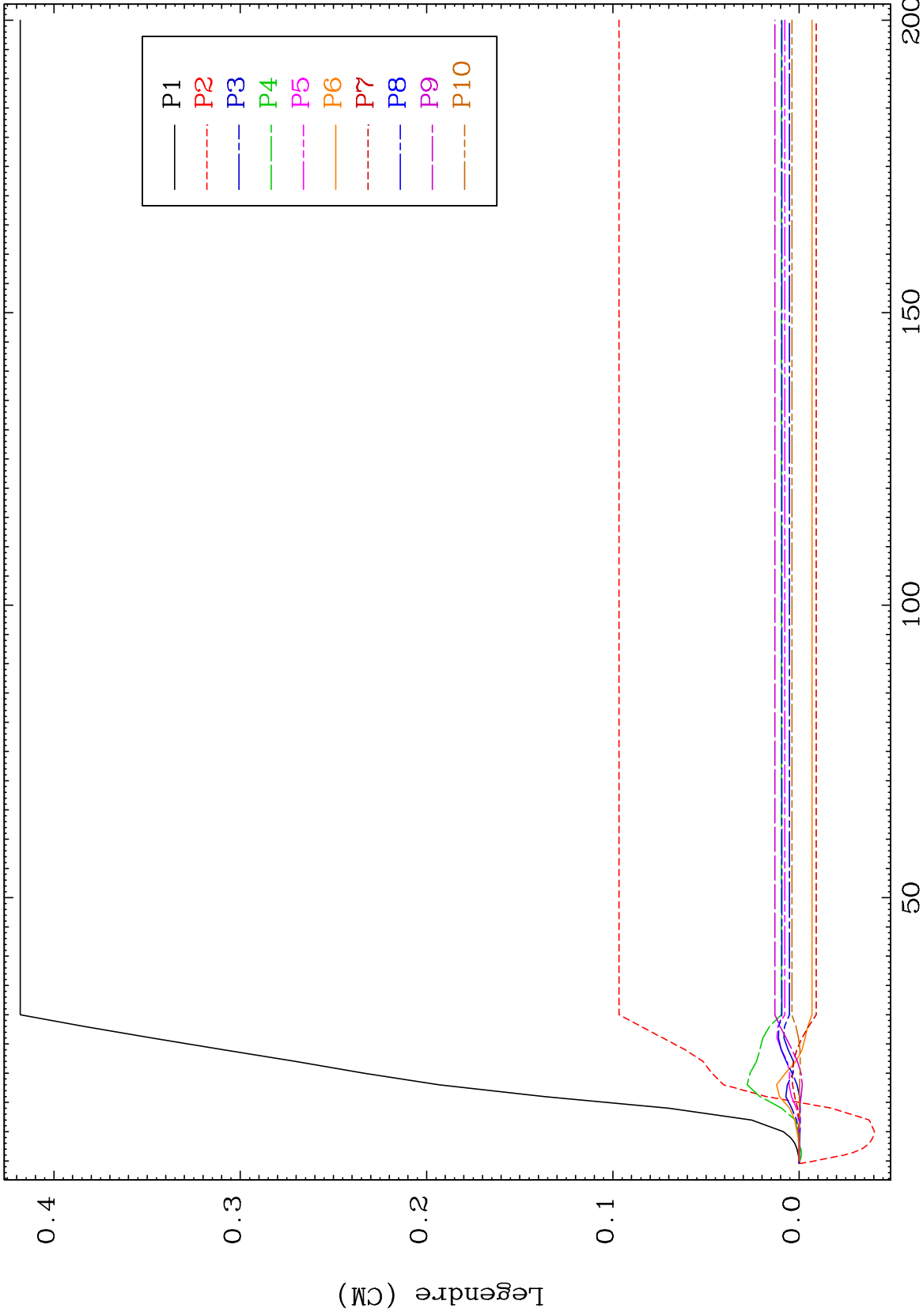
Incident Energy (MeV)

18-Ar-40

MAT 1837

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

18-Ar-40

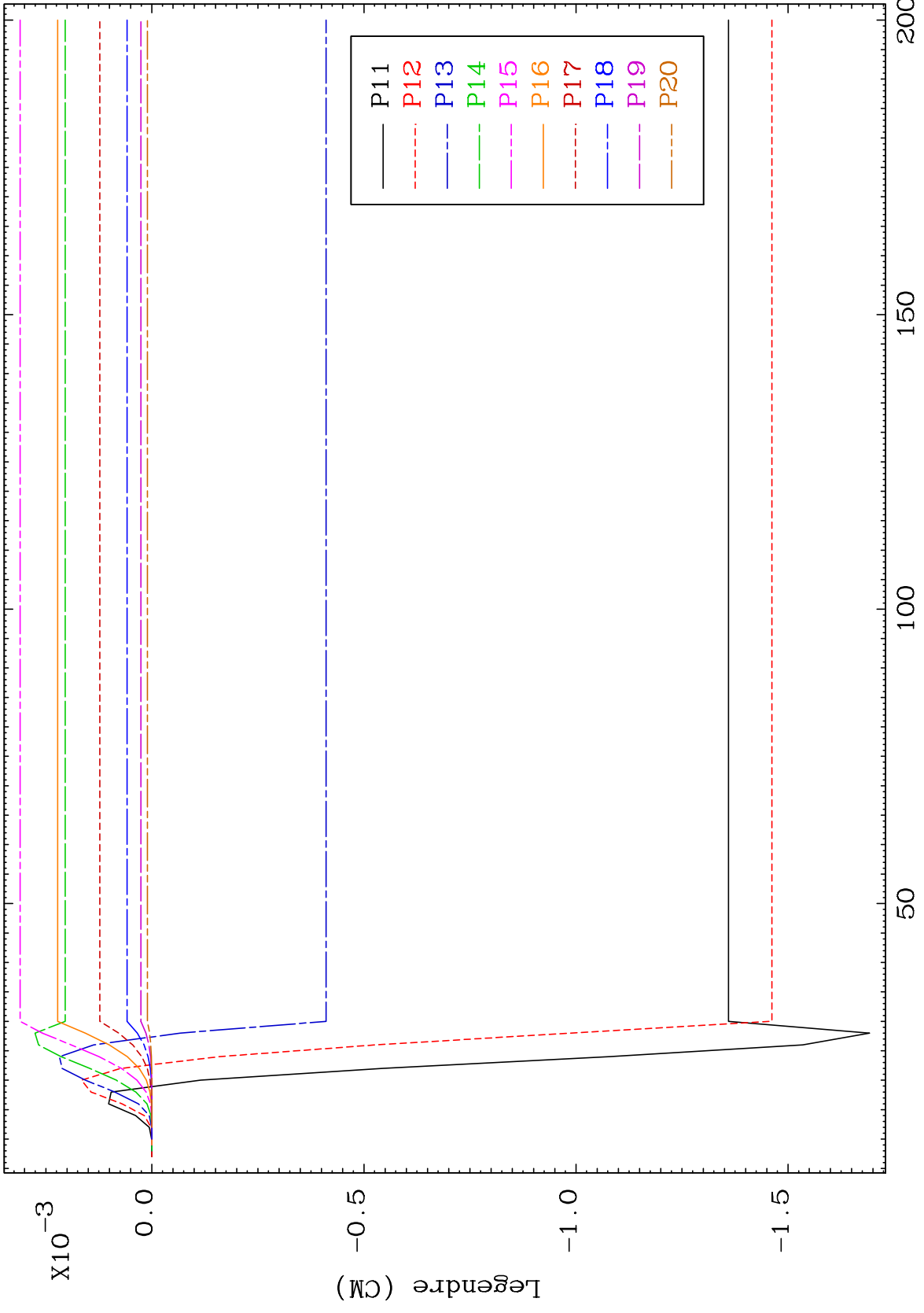


79

Incident Energy (MeV)

18-Ar-40

MAT 1837 MT= 71 (n,n') Level Legendre Coefficients 18-Ar-40

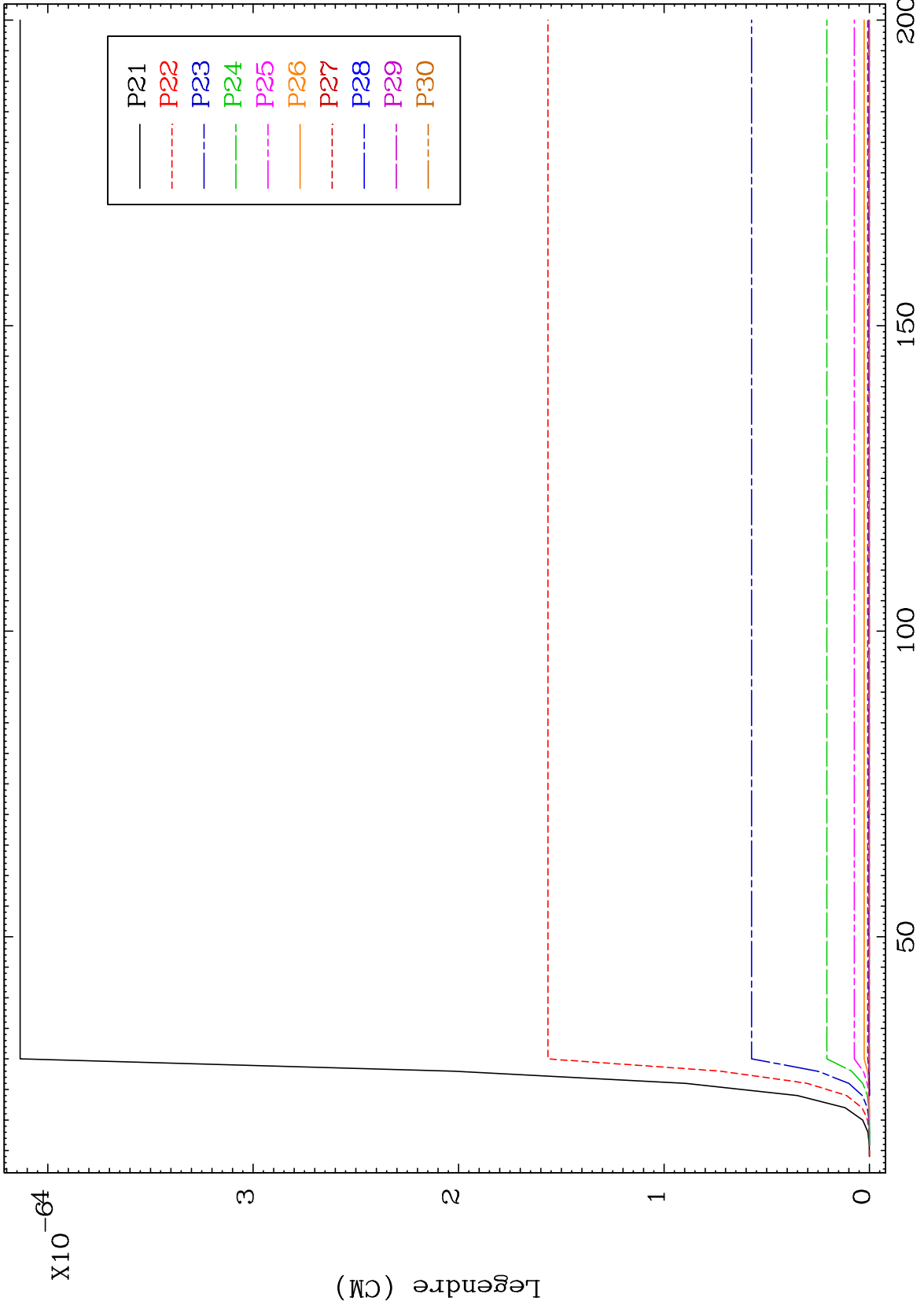


80 Incident Energy (MeV) 18-Ar-40

MAT 1837

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

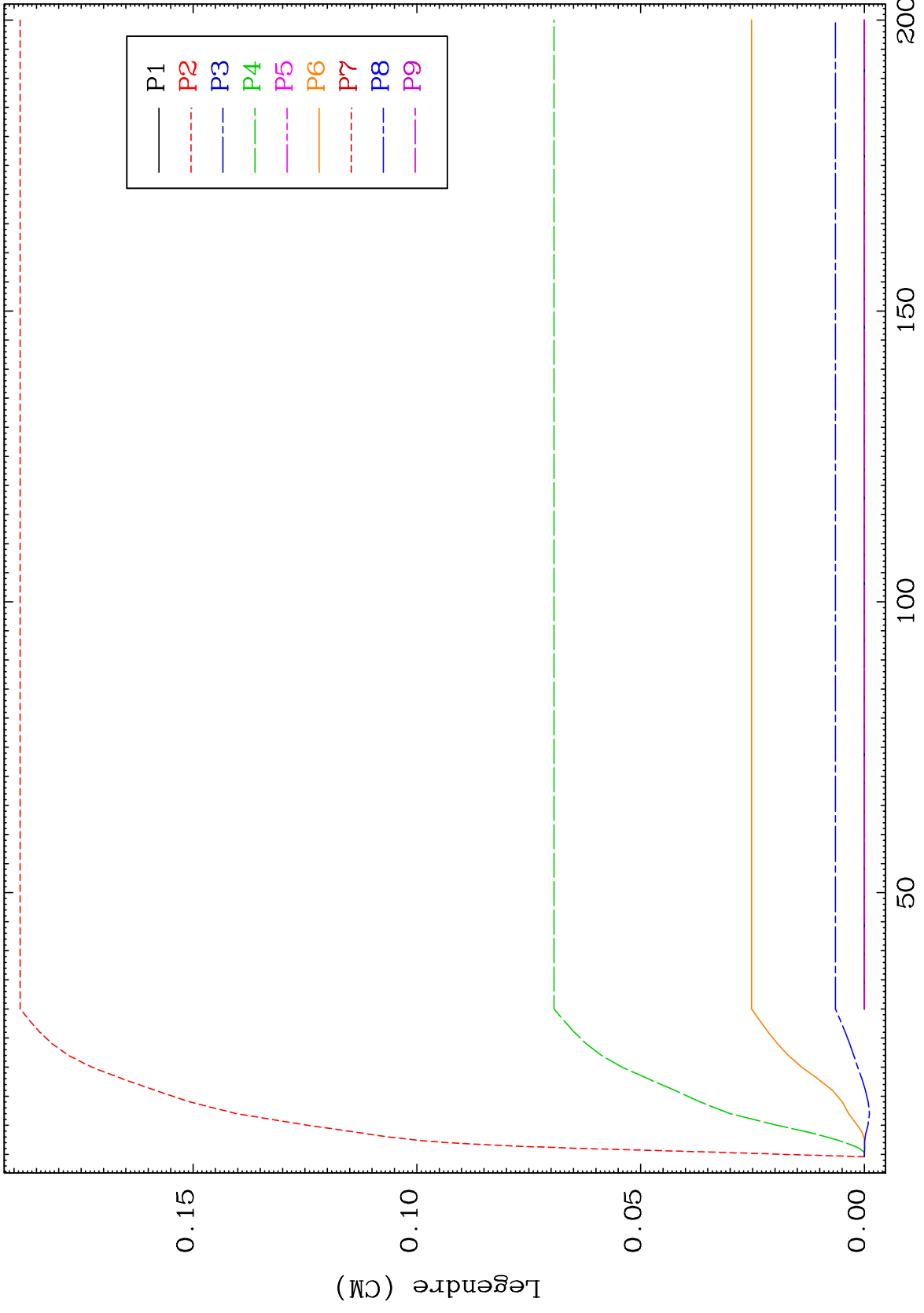
18-Ar-40



81

18-Ar-40

MAT 1837 MT= 72 (n,n') Level Legendre Coefficients 18-Ar-40

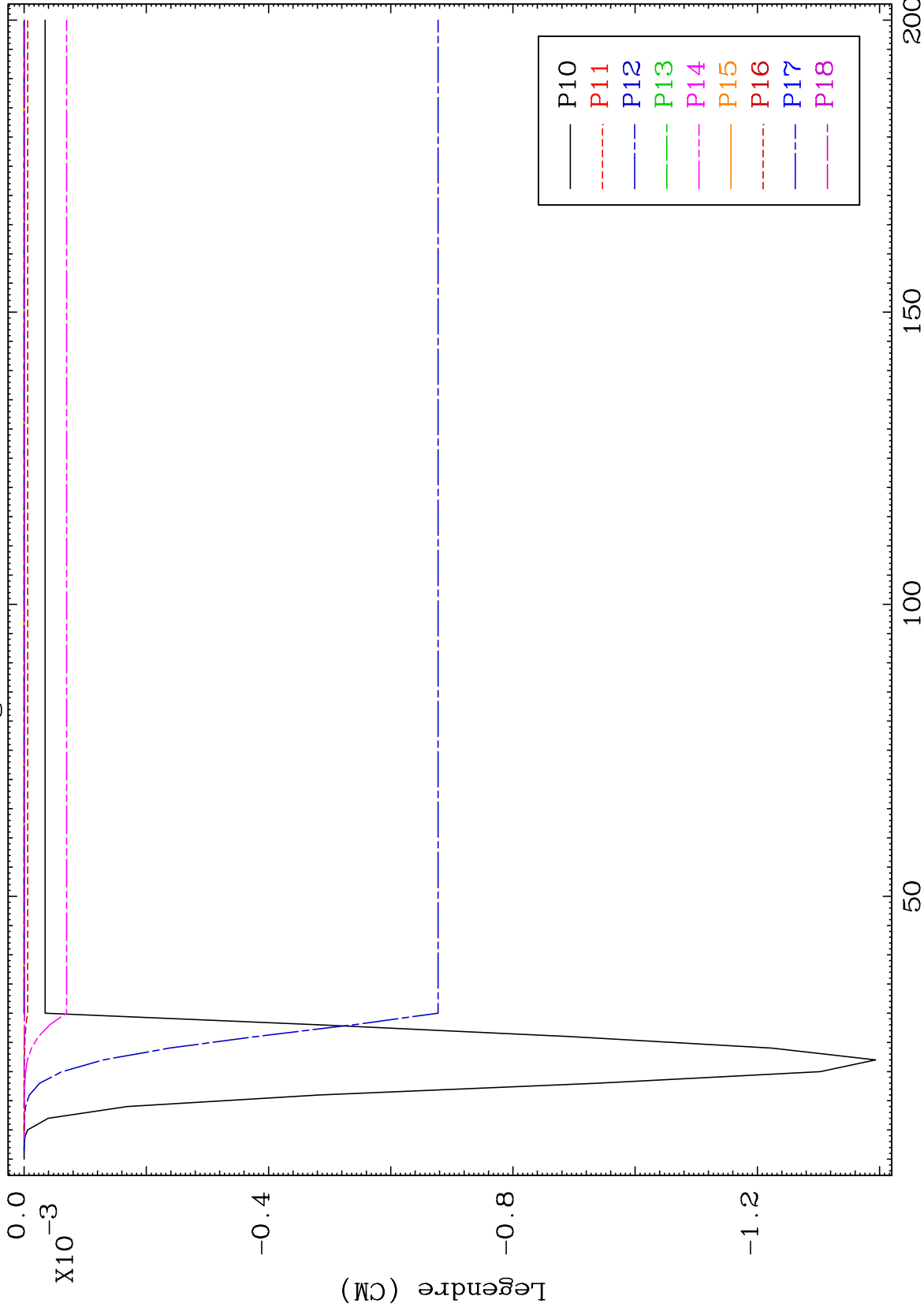


82 Incident Energy (MeV) 18-Ar-40

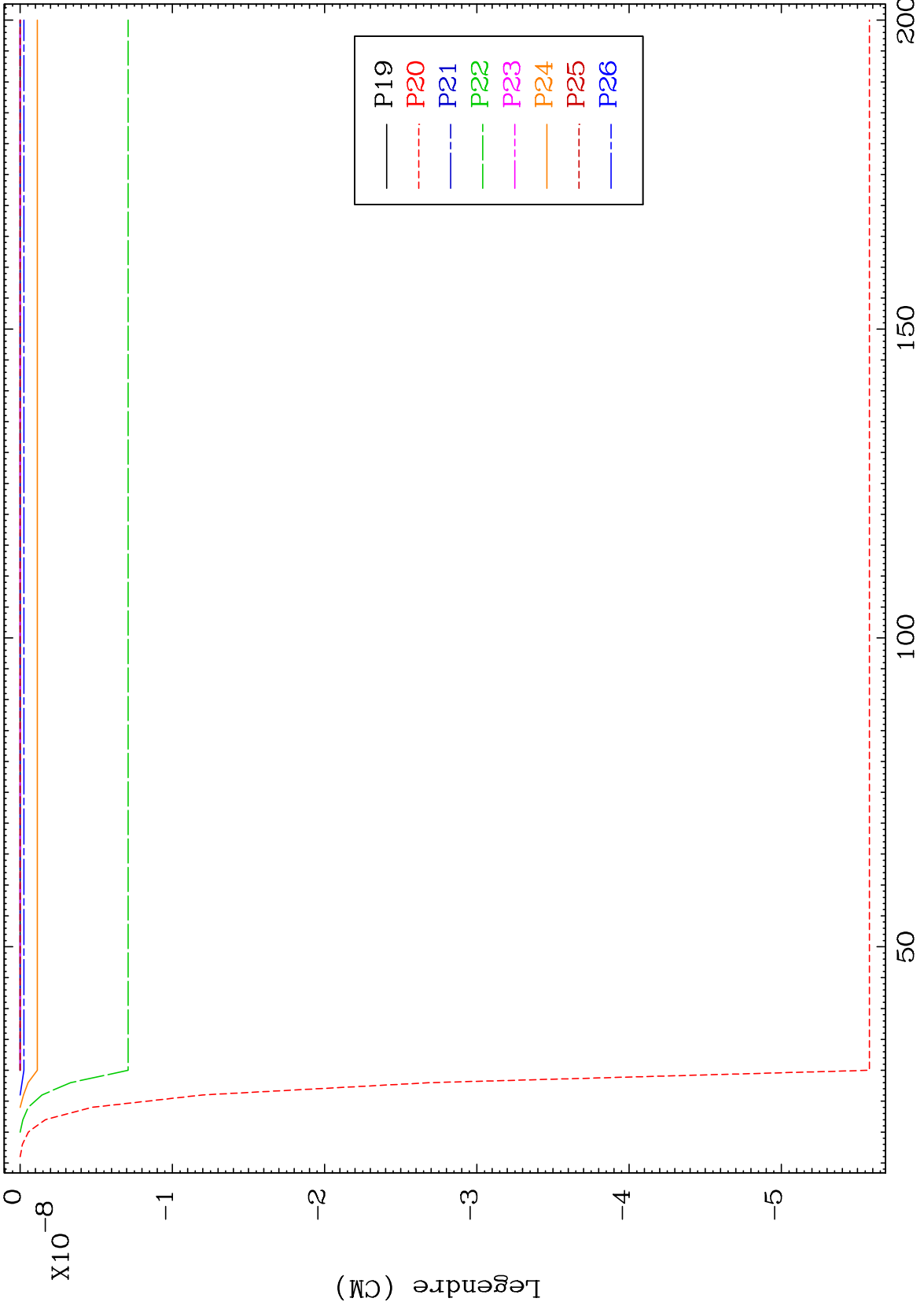
MAT 1837

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

18-Ar-40



MAT 1837 MT= 72 (n,n') Level Legendre Coefficients 18-Ar-40

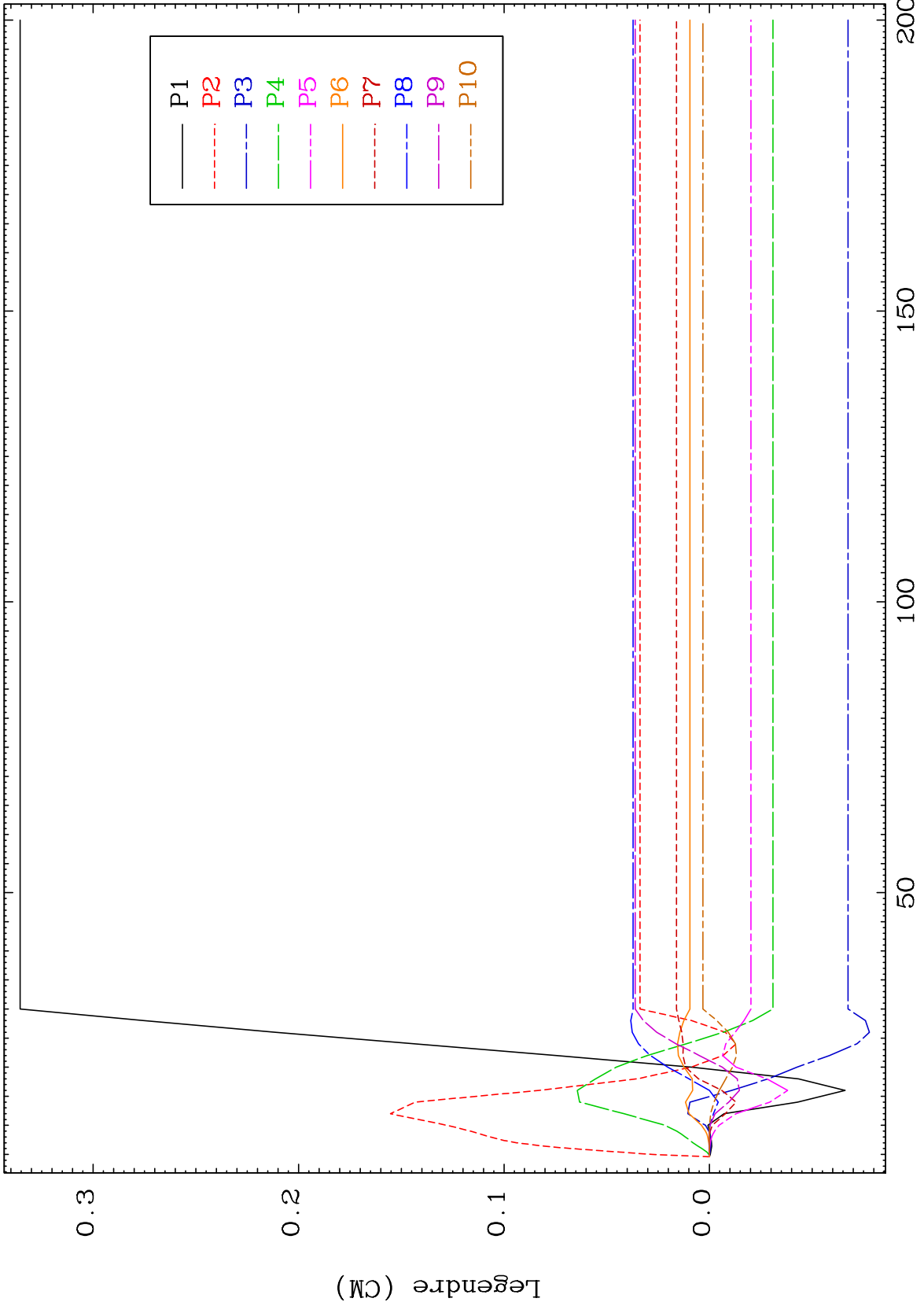


84 18-Ar-40

MAT 1837

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

18-Ar-40



85

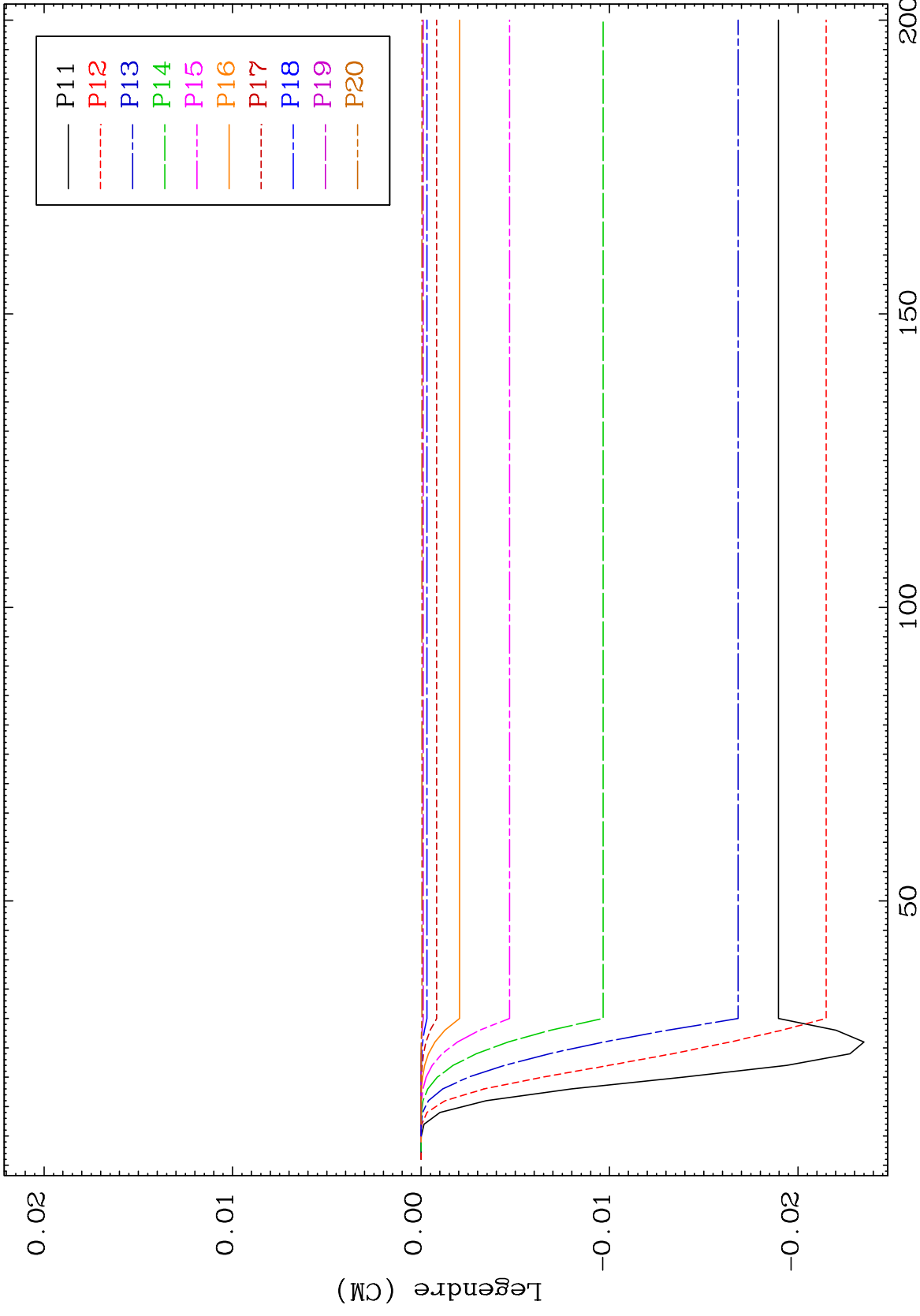
18-Ar-40

18-Ar-40

MAT 1837

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

18-Ar-40

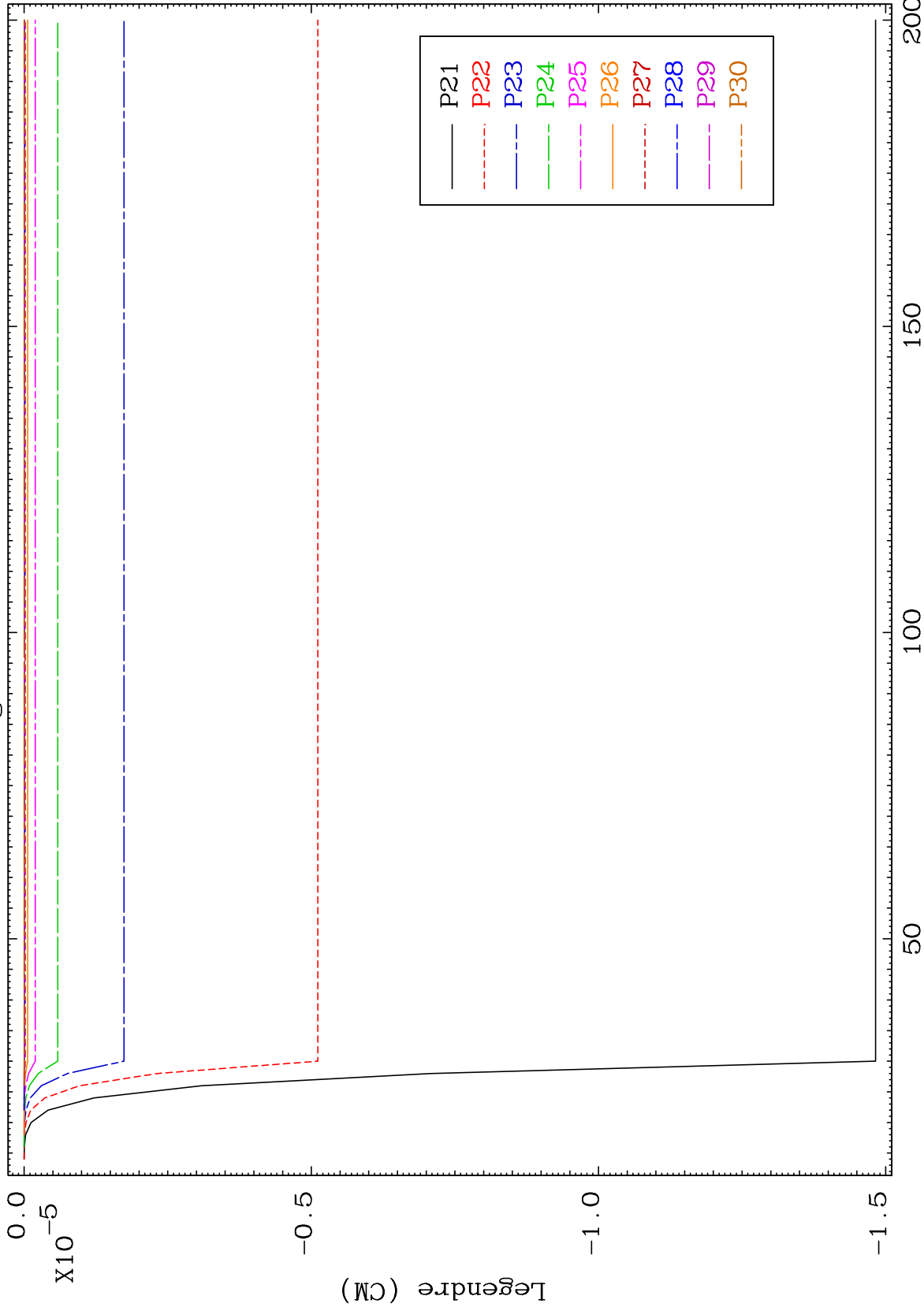


86

Incident Energy (MeV)

18-Ar-40

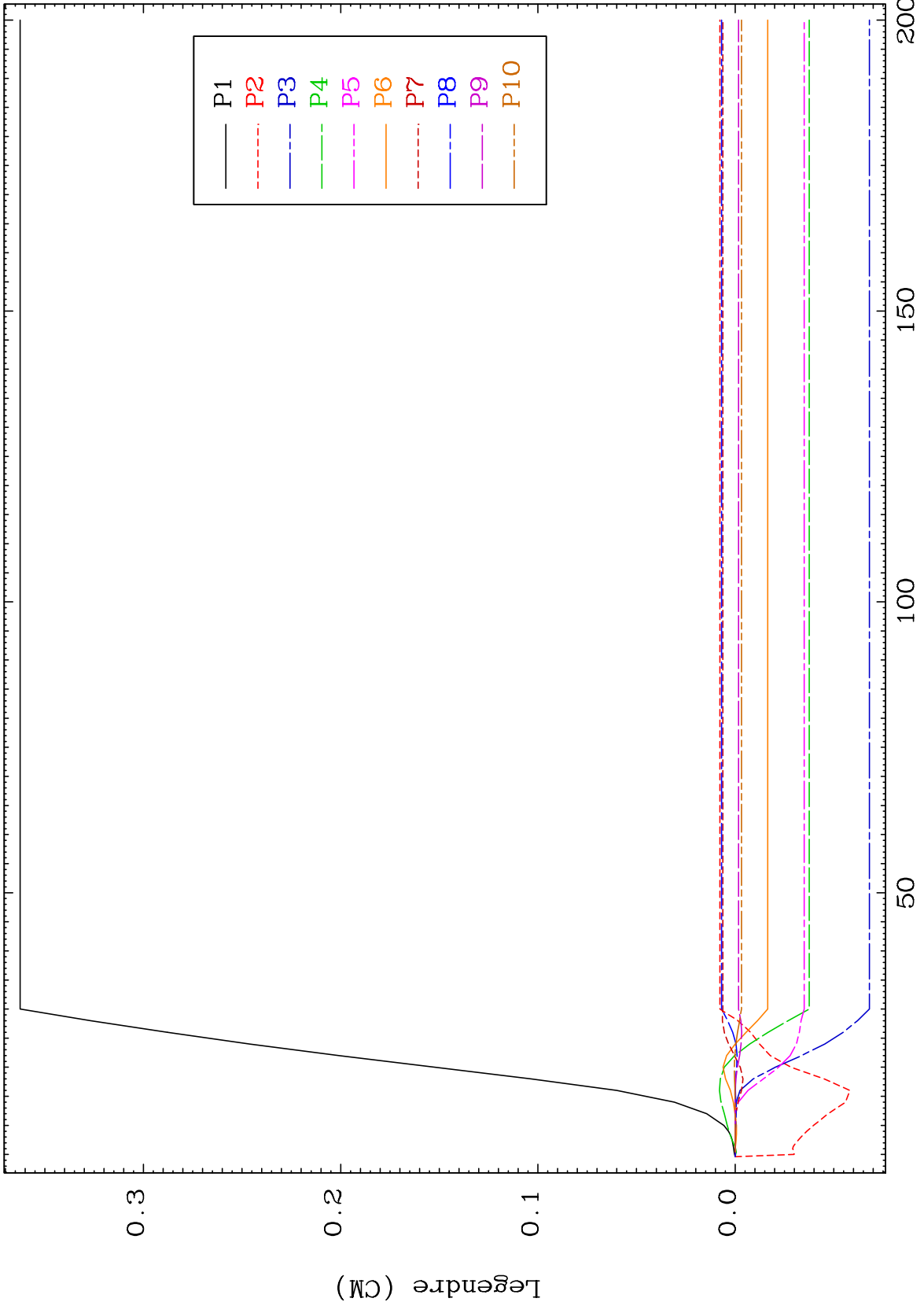
MAT 1837 MT= 73 (n,n') Level Legendre Coefficients 18-Ar-40



MAT 1837

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

18-Ar-40



88

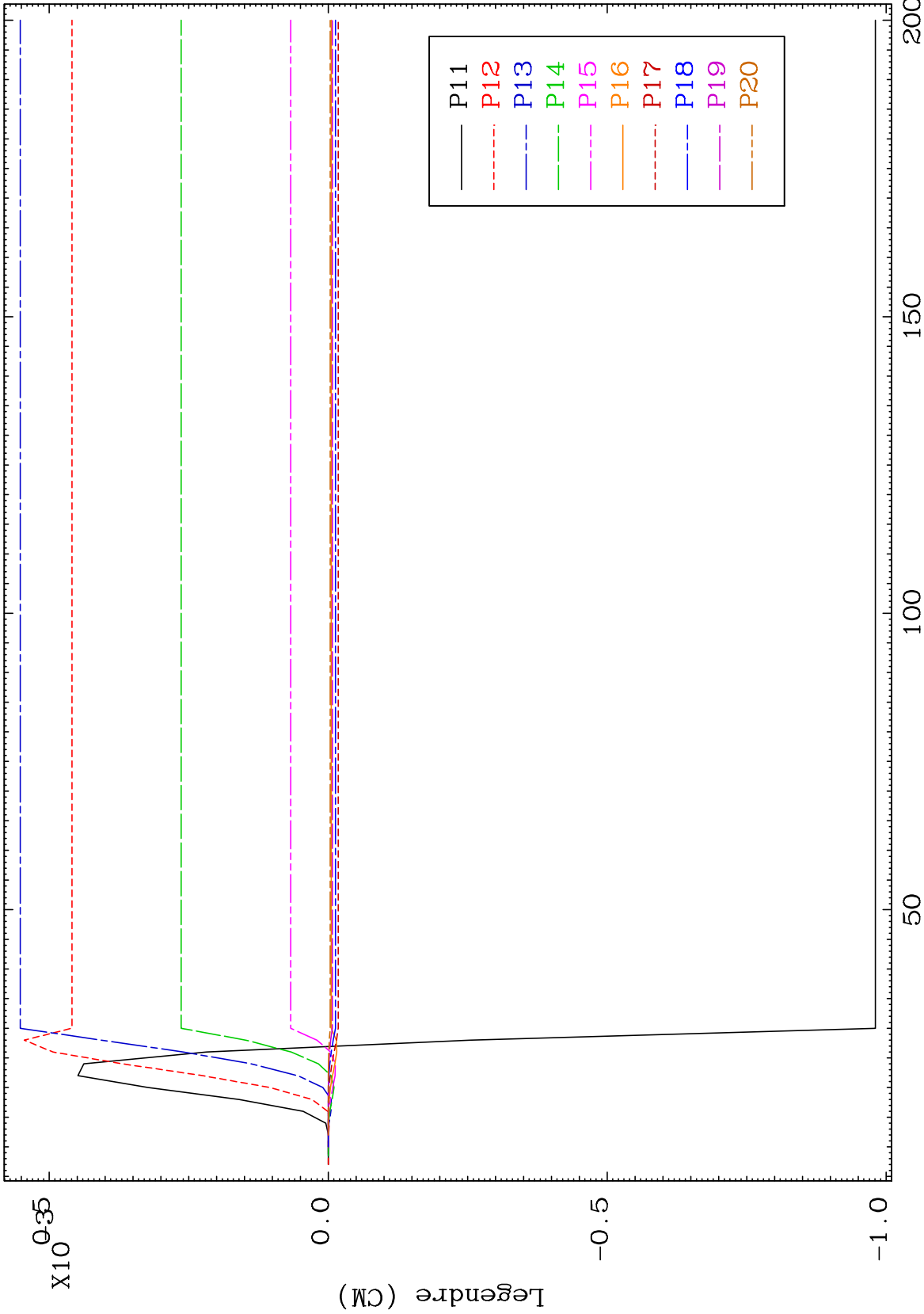
Incident Energy (MeV)

18-Ar-40

MAT 1837

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

18-Ar-40

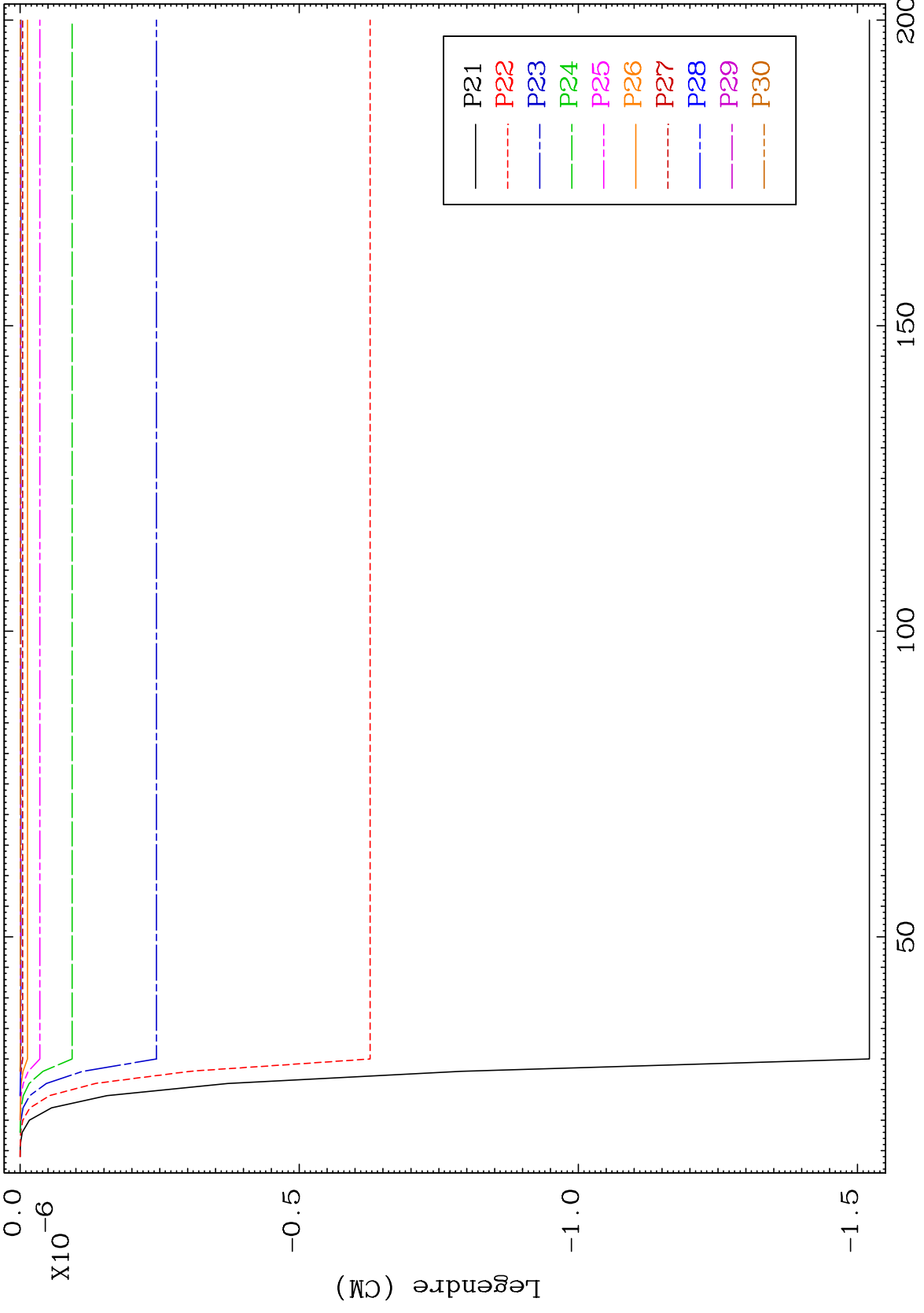


89

Incident Energy (MeV)

18-Ar-40

MAT 1837 MT= 74 (n,n') Level Legendre Coefficients 18-Ar-40

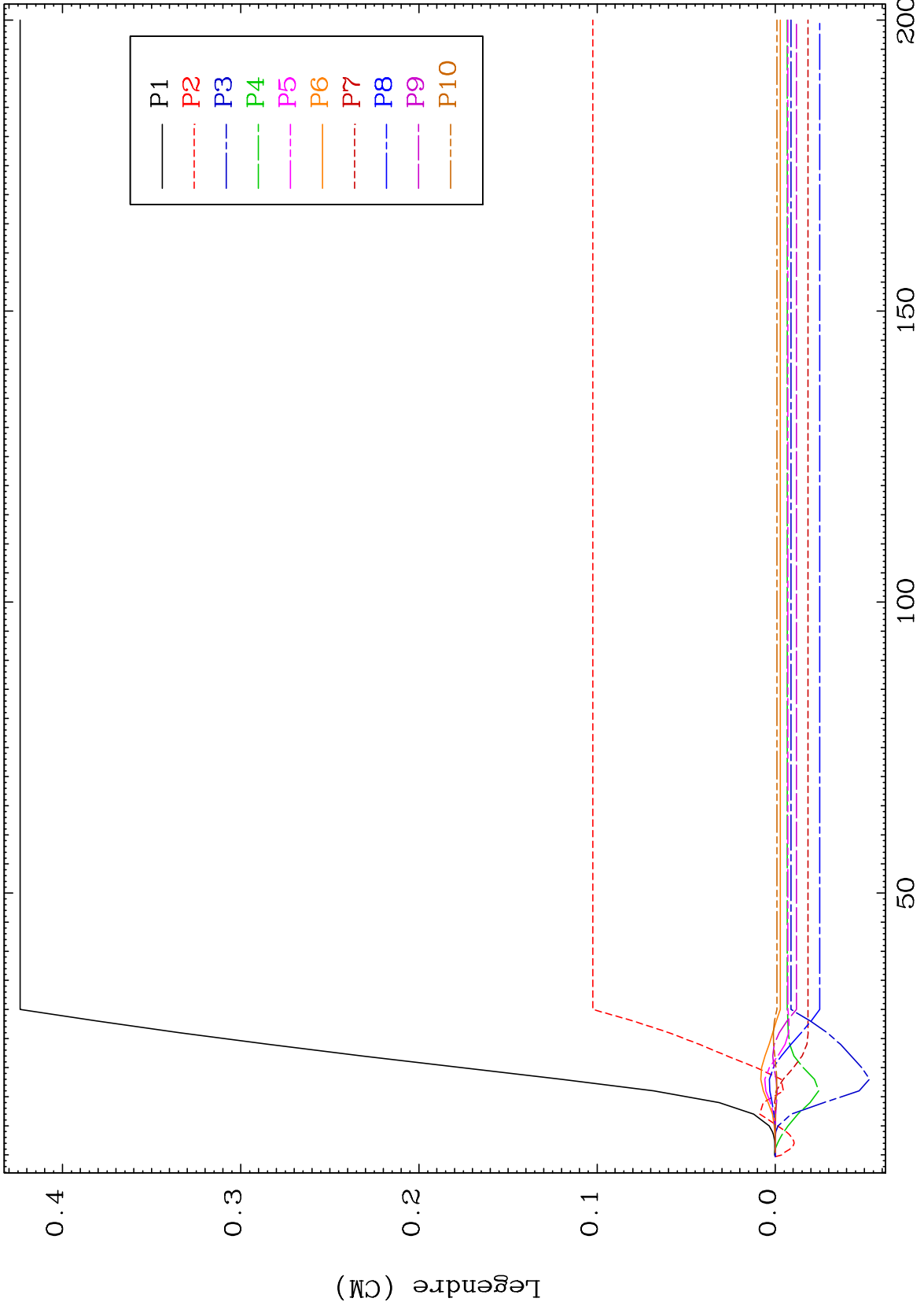


90 50 100 150 200 Incident Energy (MeV) 18-Ar-40

MAT 1837

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

18-Ar-40



91

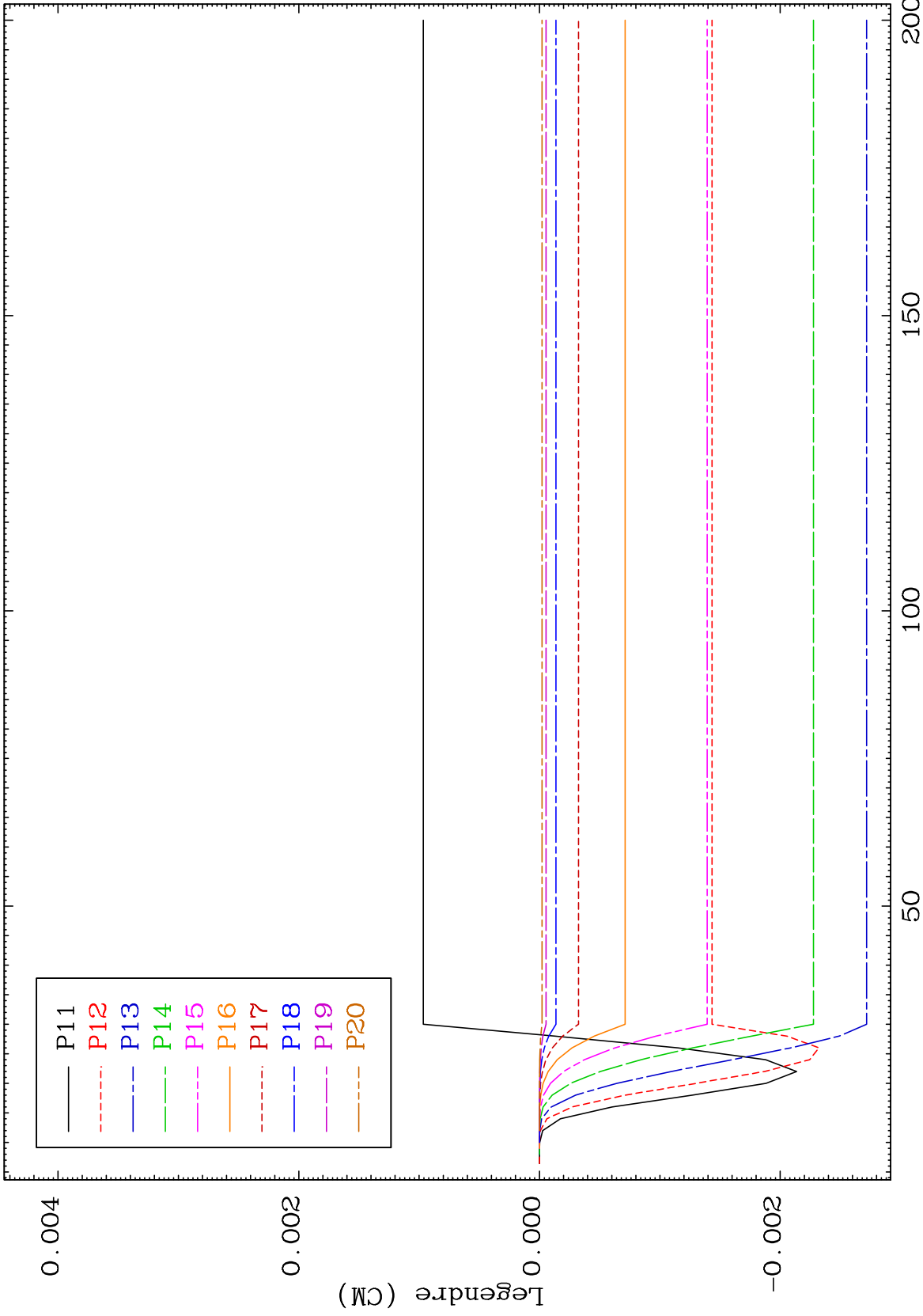
Incident Energy (MeV)

18-Ar-40

MAT 1837

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

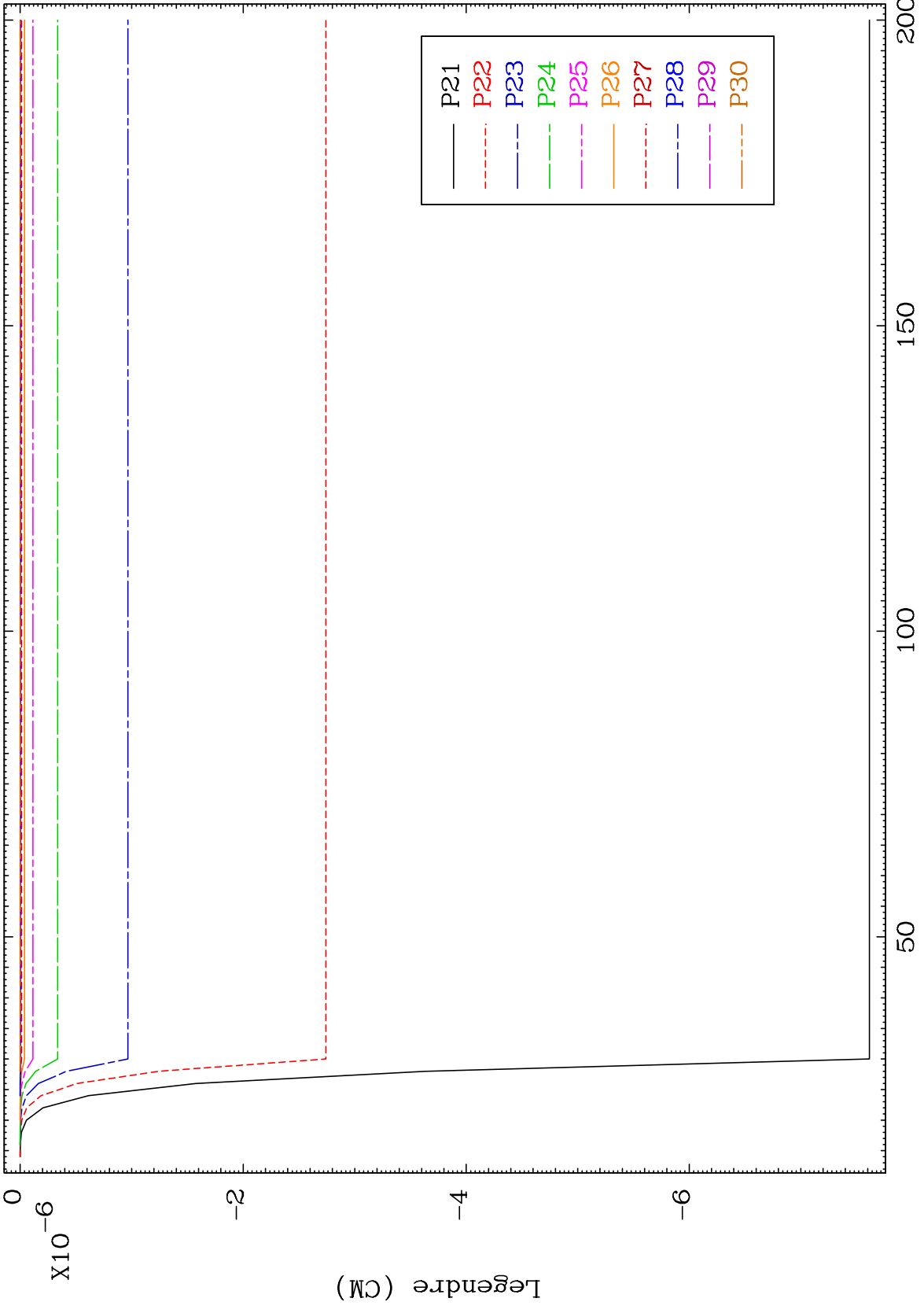
18-Ar-40



92

18-Ar-40

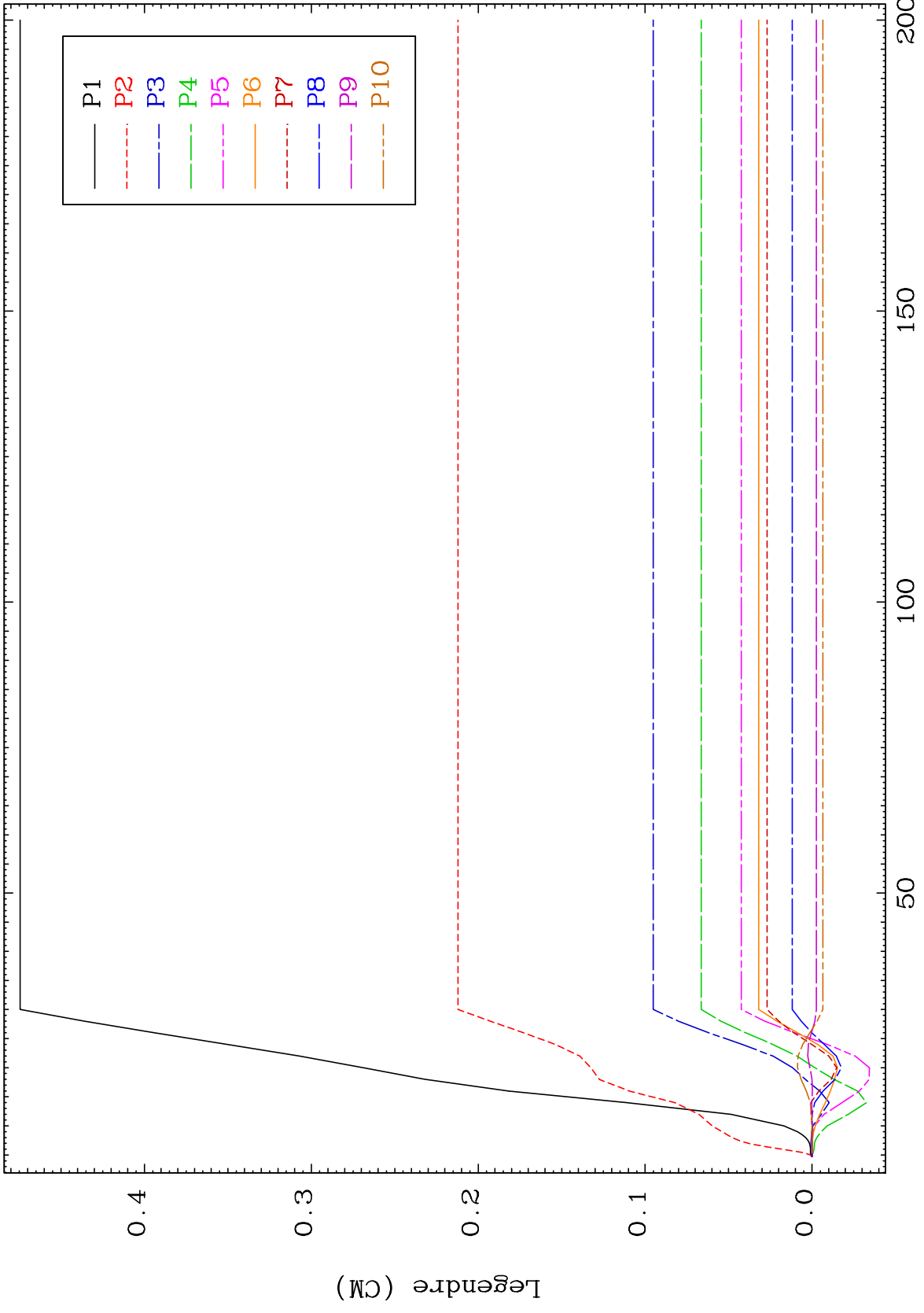
MAT 1837 MT= 75 (n,n') Level Legendre Coefficients 18-Ar-40



MAT 1837

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

18-Ar-40



94

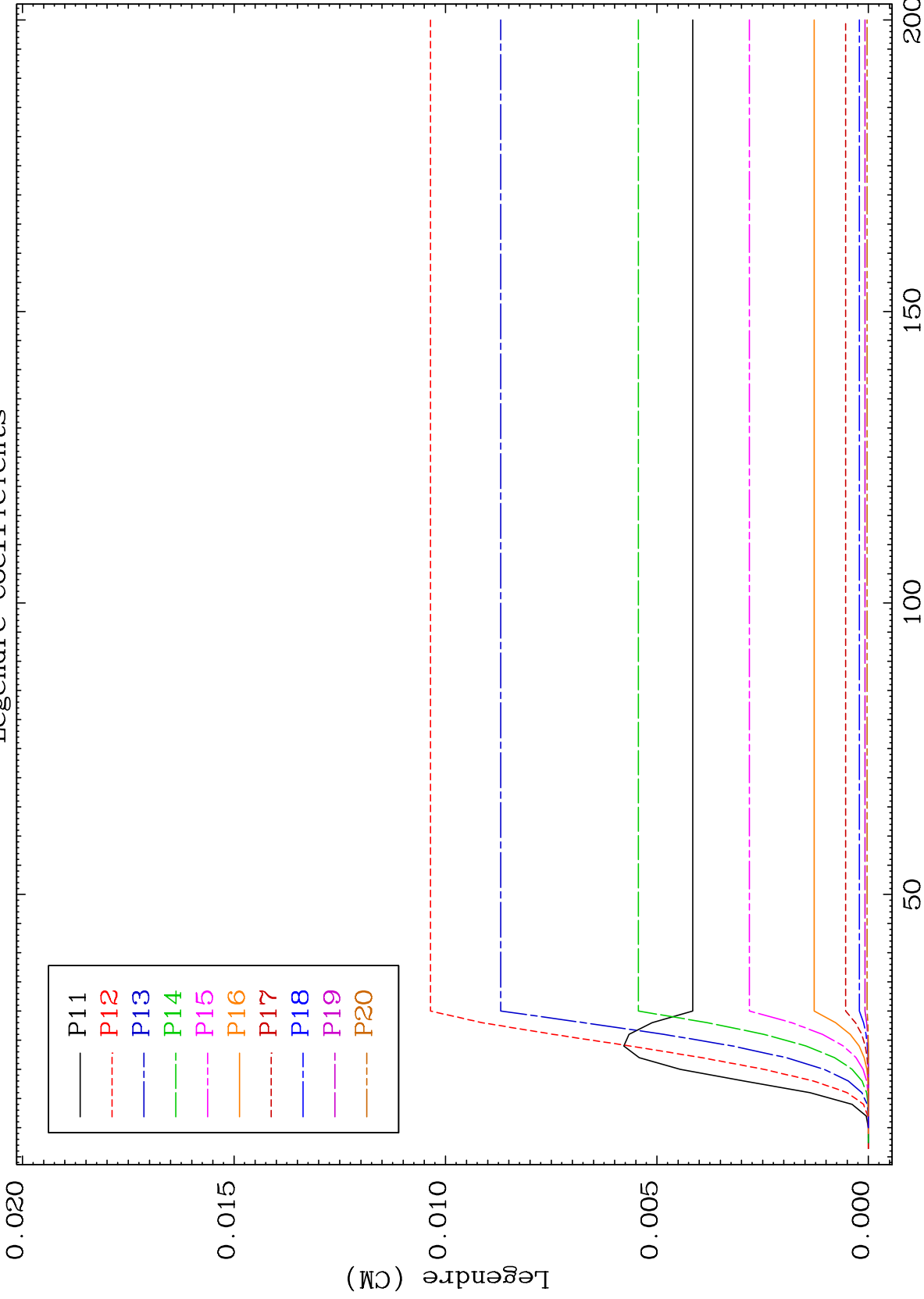
Incident Energy (MeV)

18-Ar-40

MAT 1837

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

18-Ar-40



95

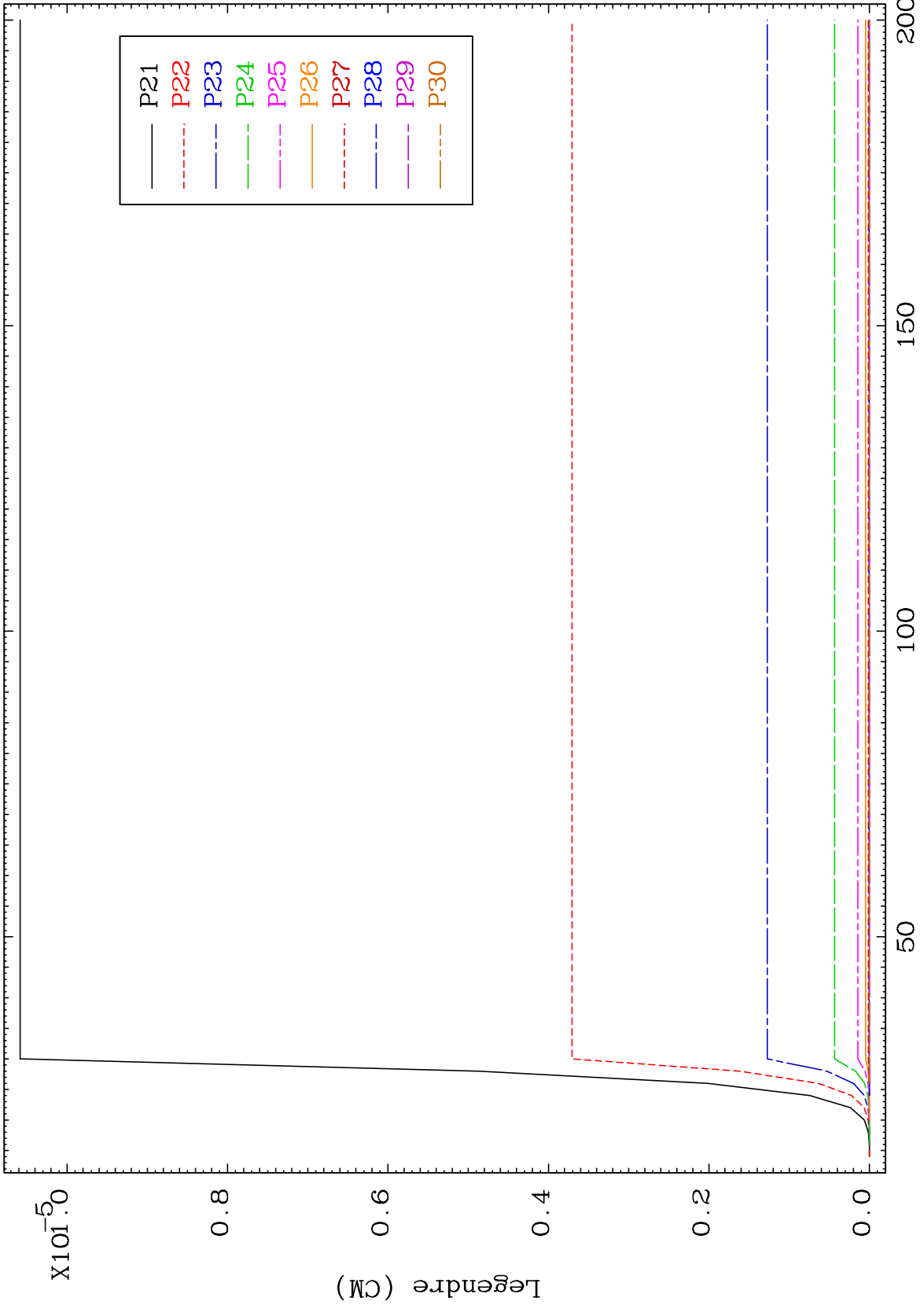
Incident Energy (MeV)

18-Ar-40

MAT 1837

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

18-Ar-40

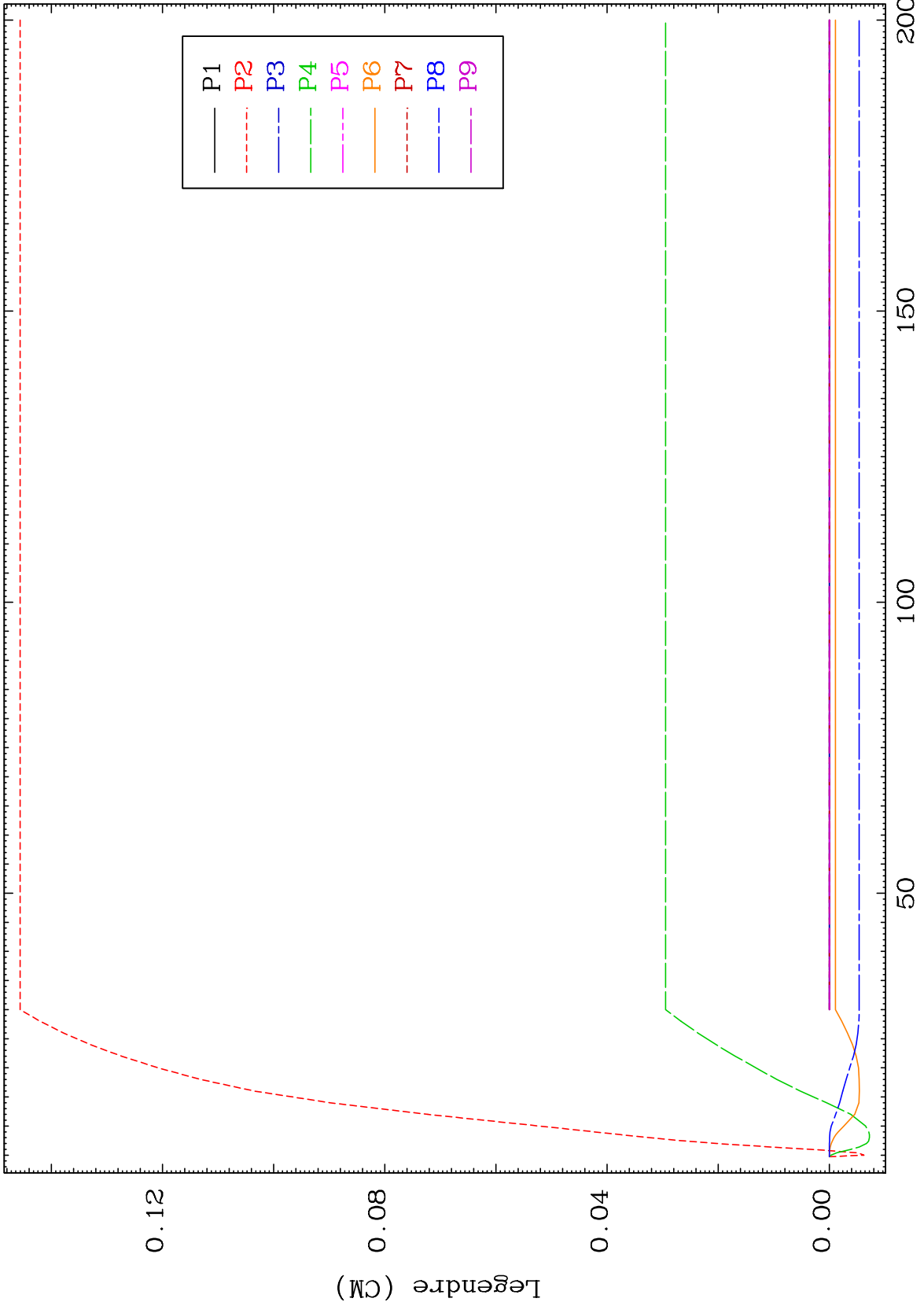


96

Incident Energy (MeV)

18-Ar-40

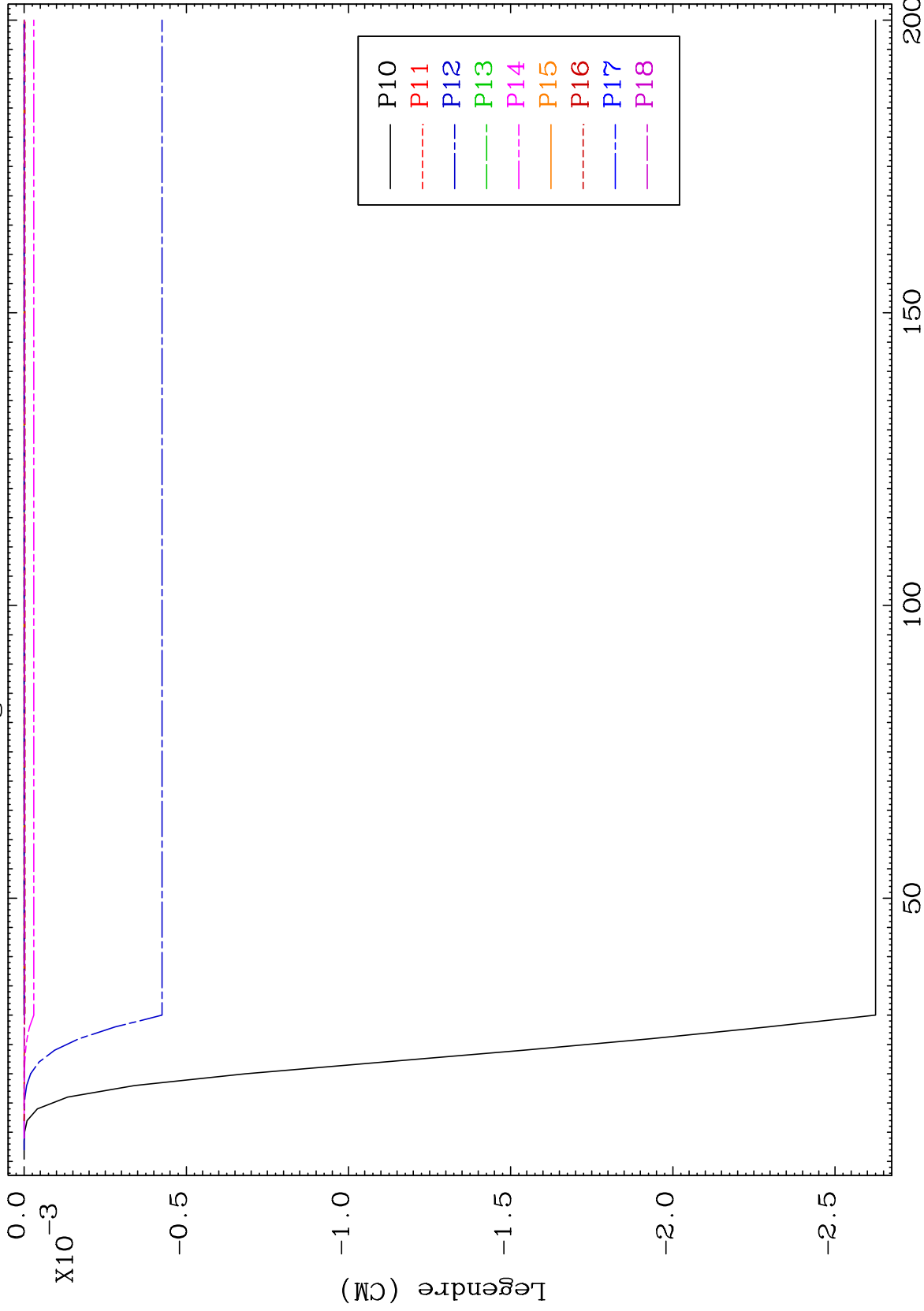
MAT 1837 MT= 77 (n,n') Level Legendre Coefficients 18-Ar-40



MAT 1837

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

18-Ar-40

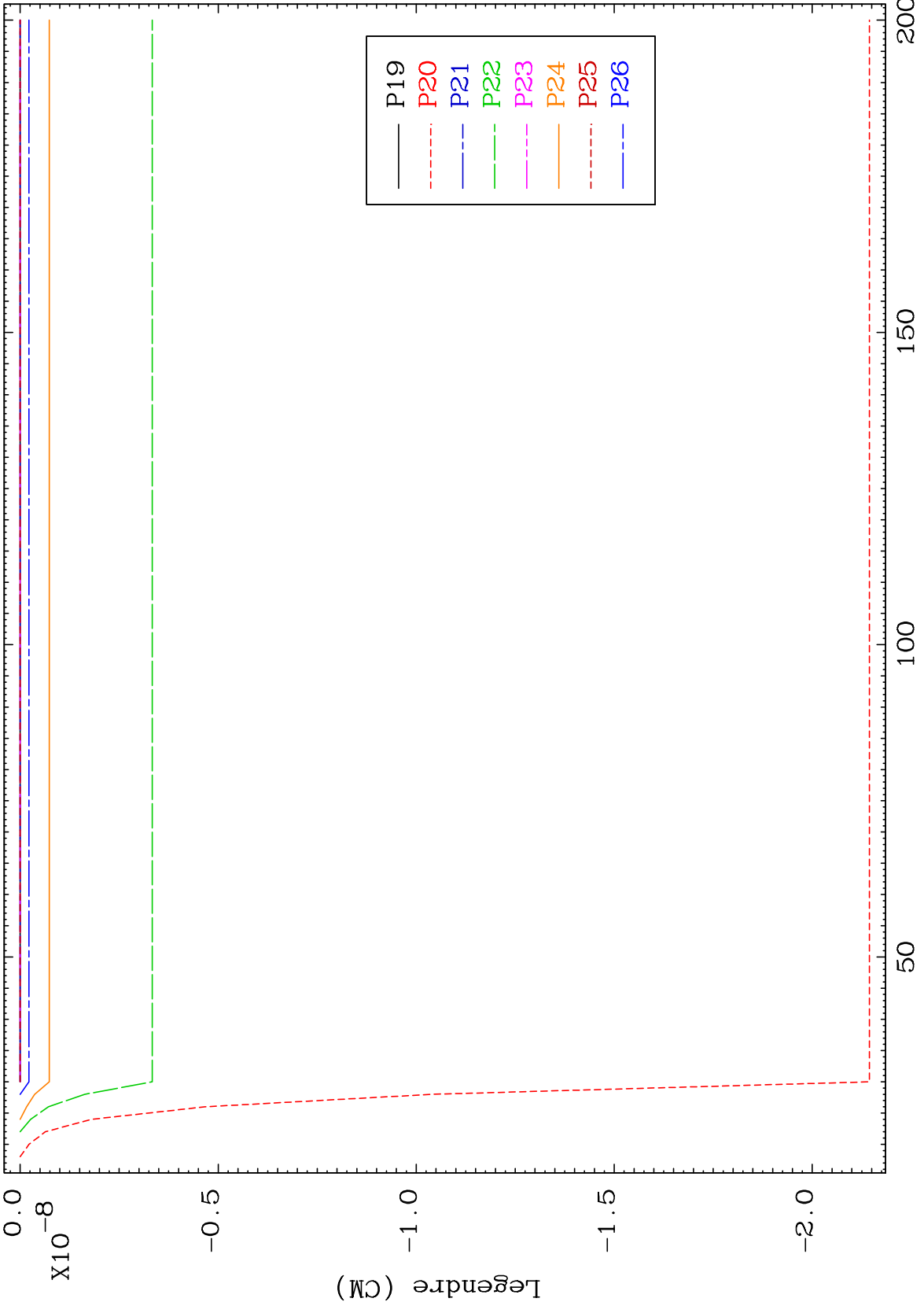


98

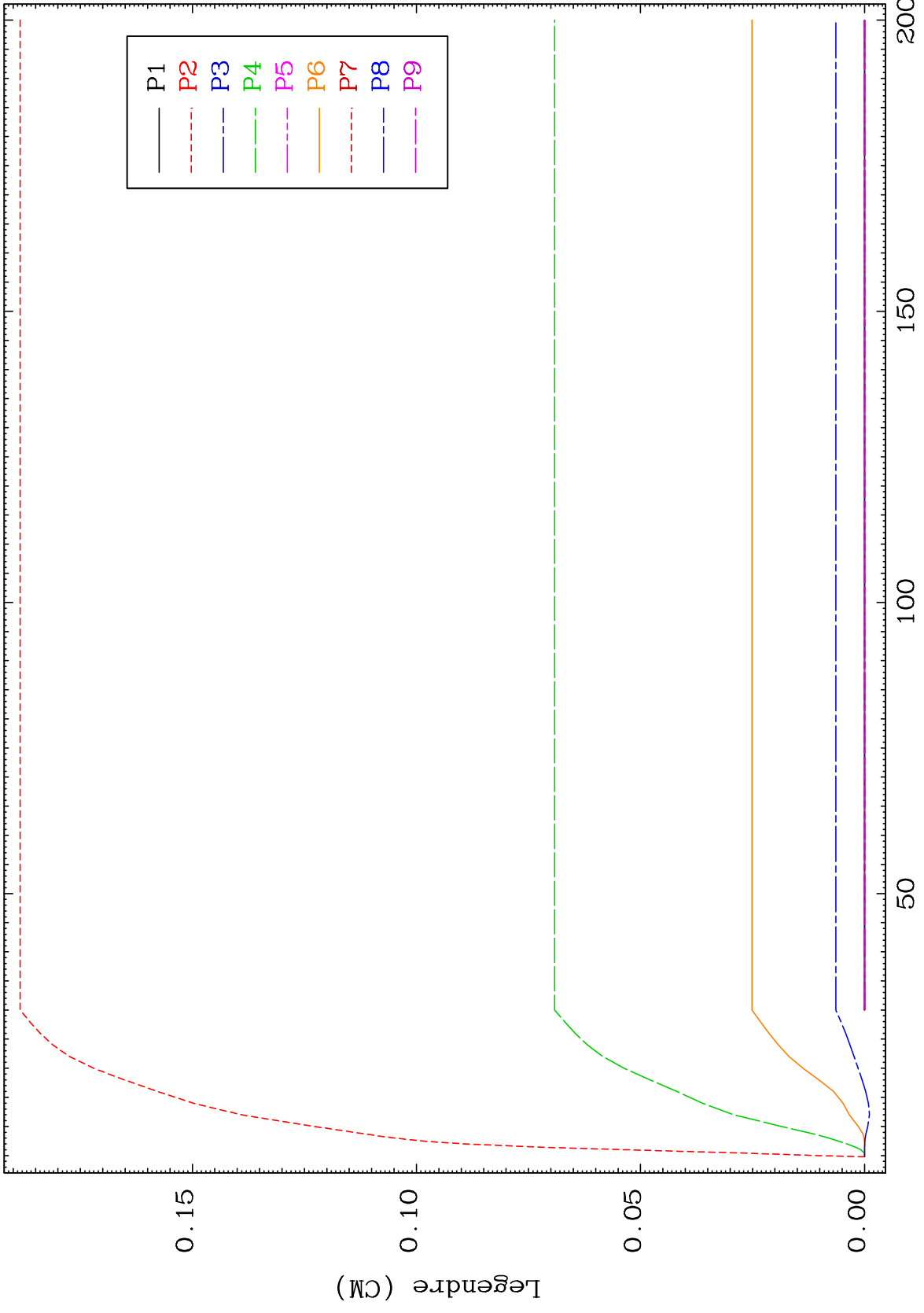
Incident Energy (MeV)

18-Ar-40

MAT 1837 MT= 77 (n,n') Level Legendre Coefficients 18-Ar-40

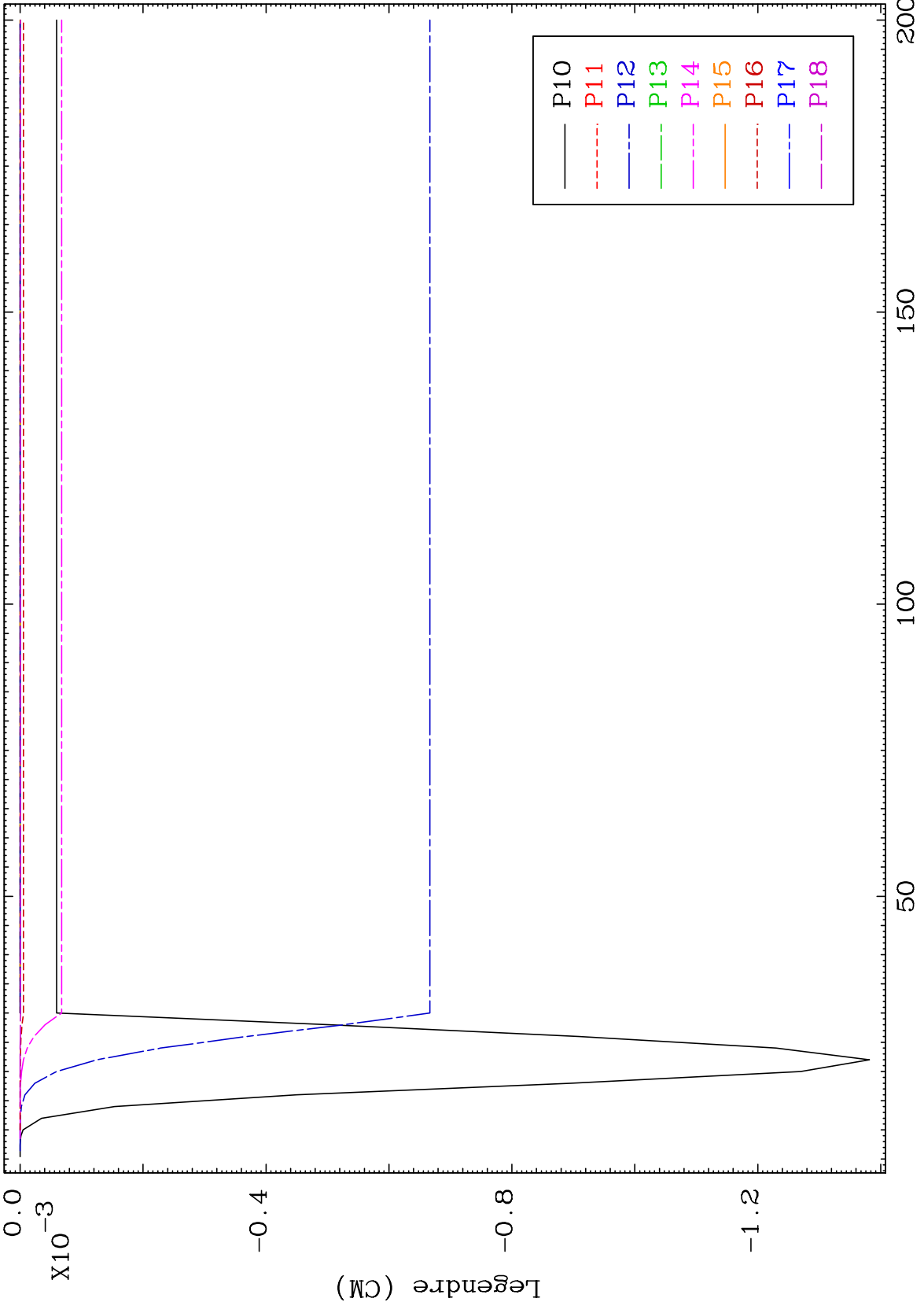


MAT 1837 MT= 78 (n,n') Level Legendre Coefficients 18-Ar-40



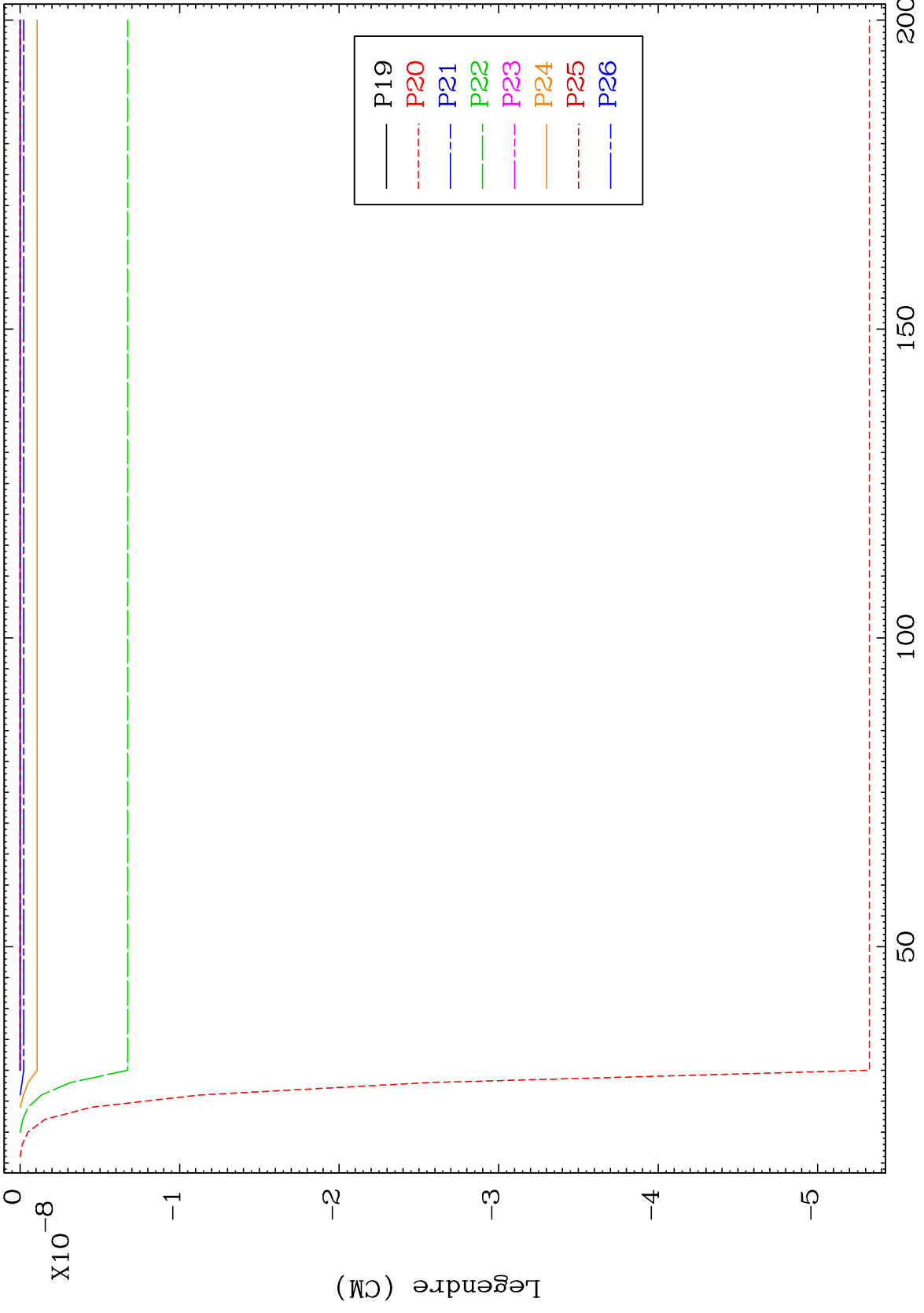
18-Ar-40

MAT 1837 MT= 78 (n,n') Level Legendre Coefficients 18-Ar-40



101 Incident Energy (MeV) 18-Ar-40

MAT 1837 MT= 78 (n,n') Level Legendre Coefficients 18-Ar-40

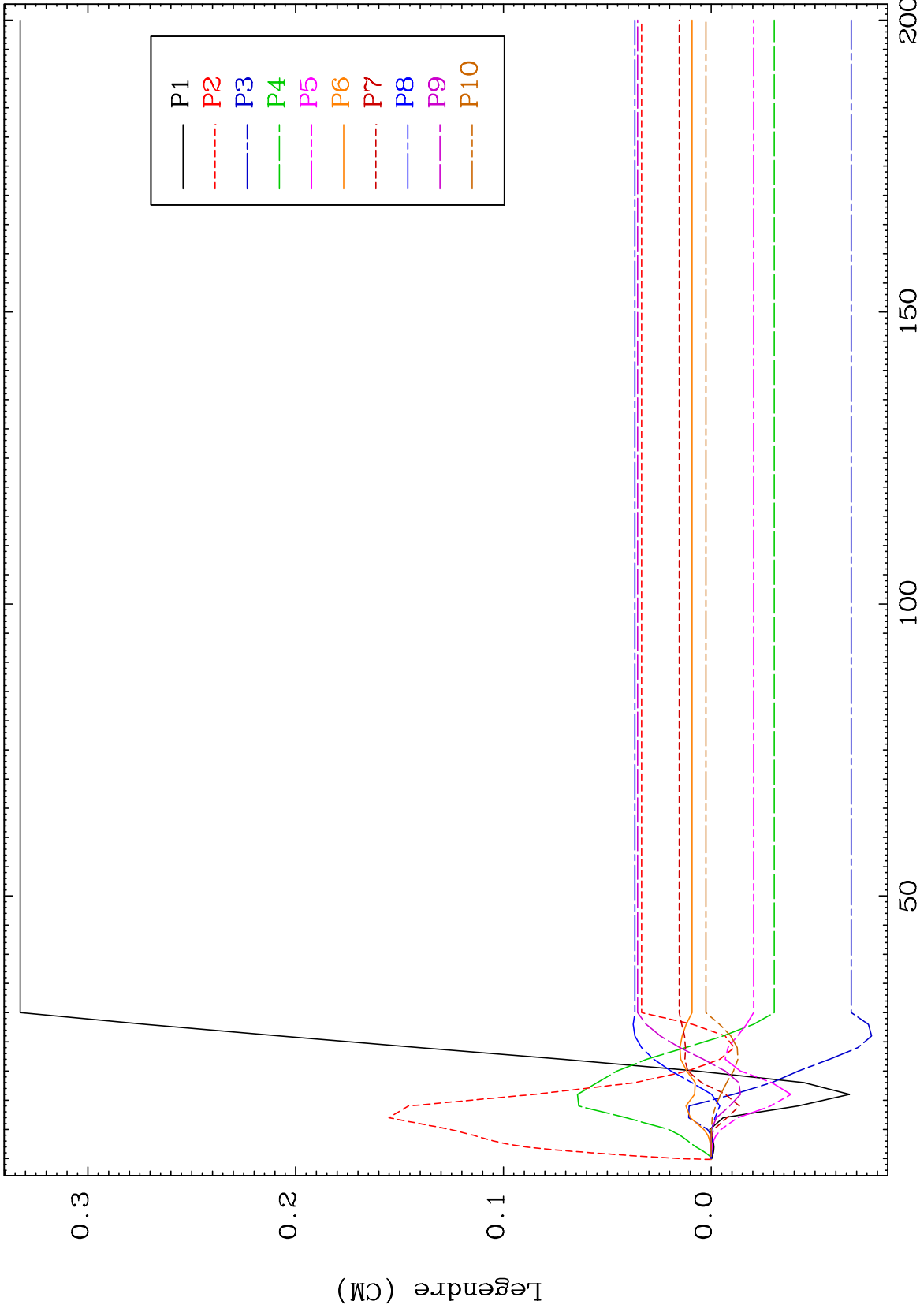


102 18-Ar-40

MAT 1837

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

18-Ar-40



103

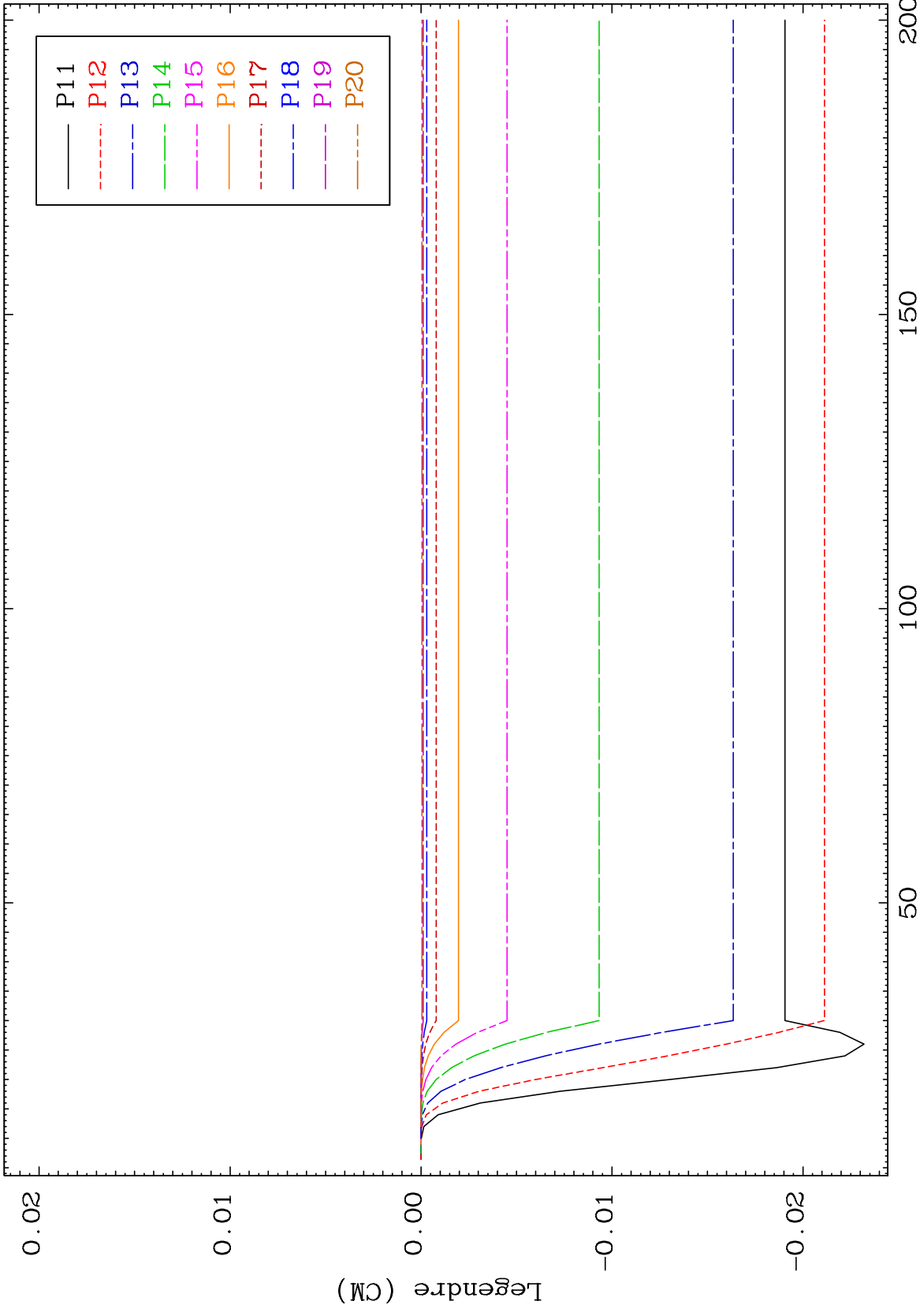
Incident Energy (MeV)

18-Ar-40

MAT 1837

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

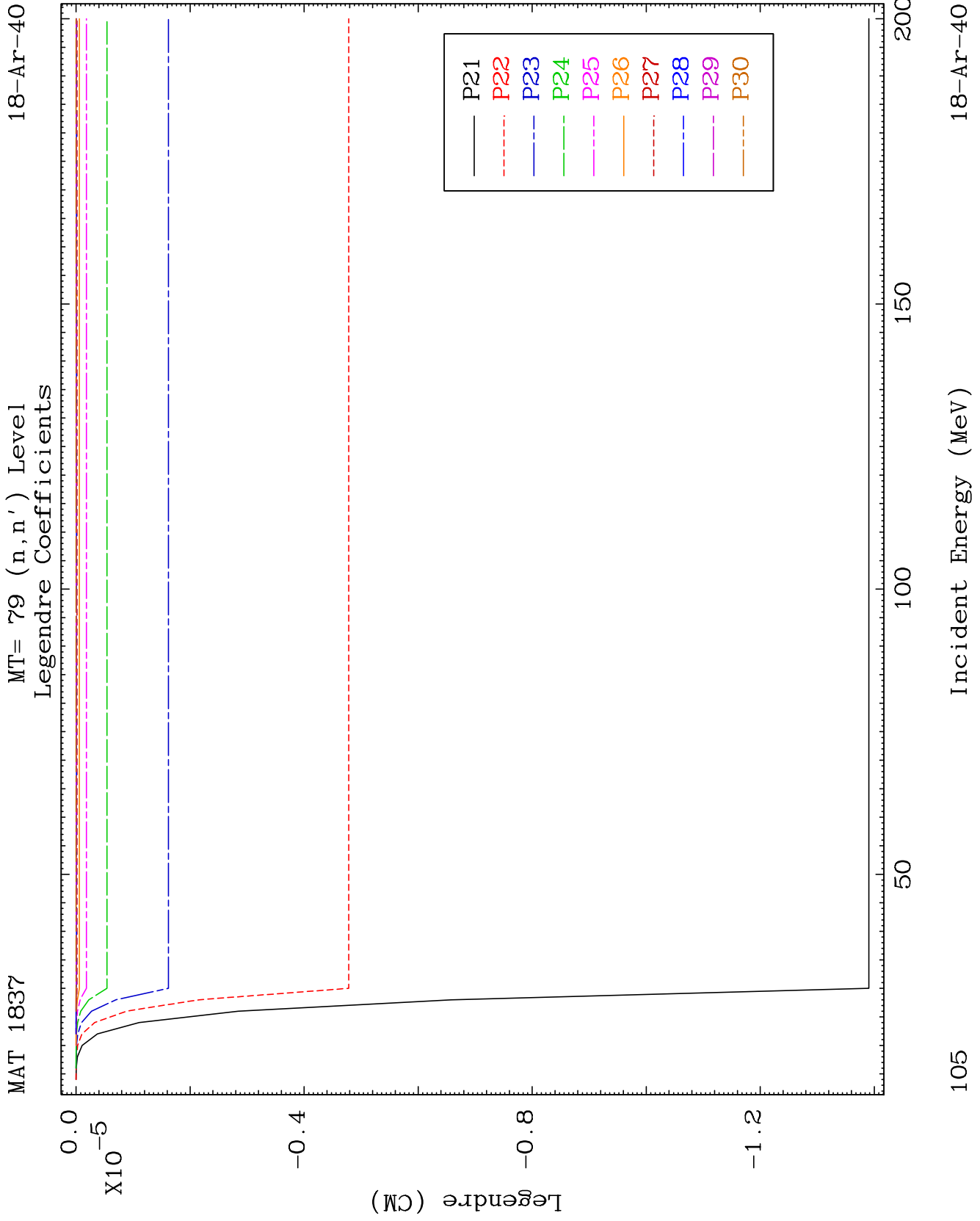
18-Ar-40



104

Incident Energy (MeV)

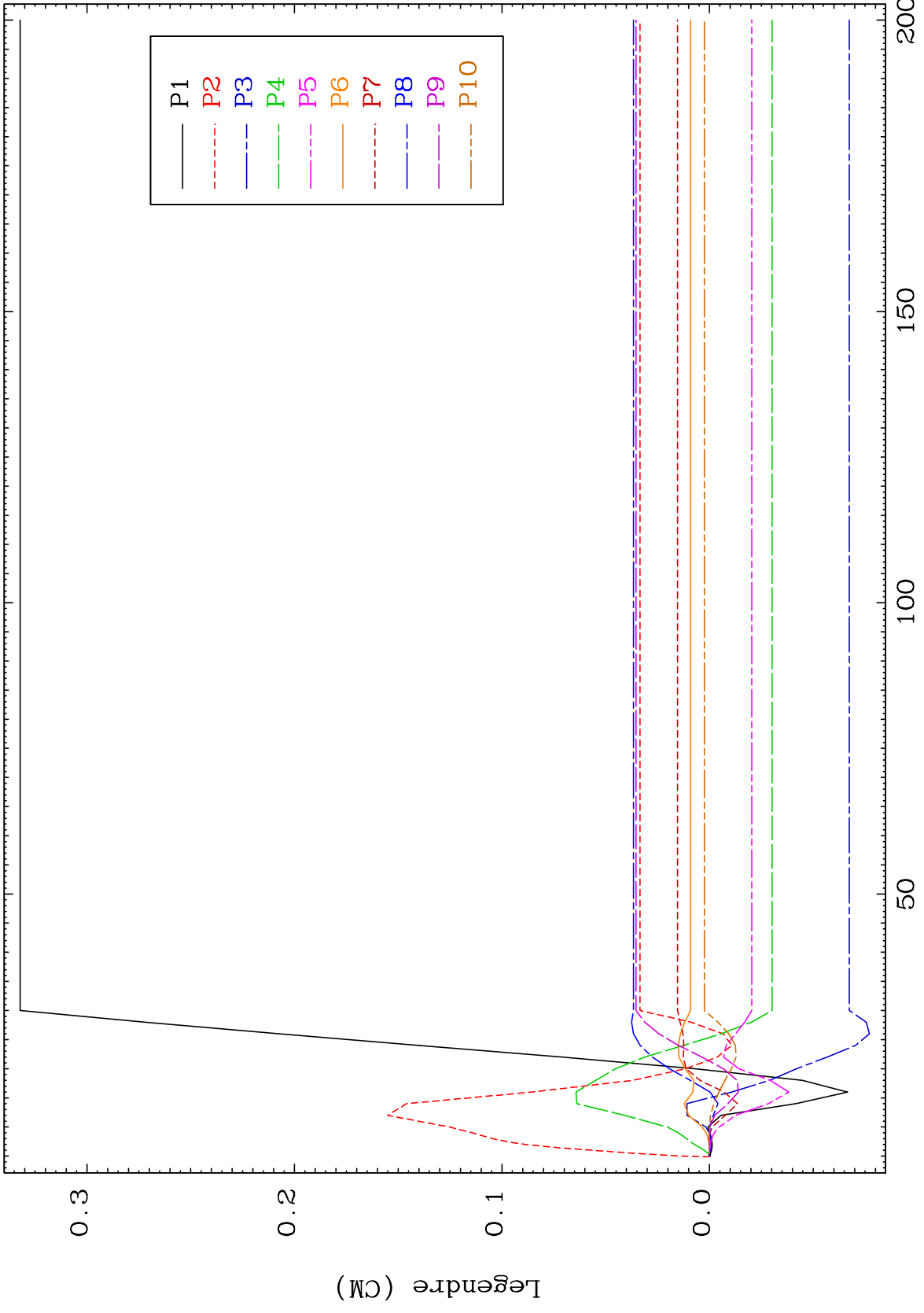
18-Ar-40



MAT 1837

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

18-Ar-40



106

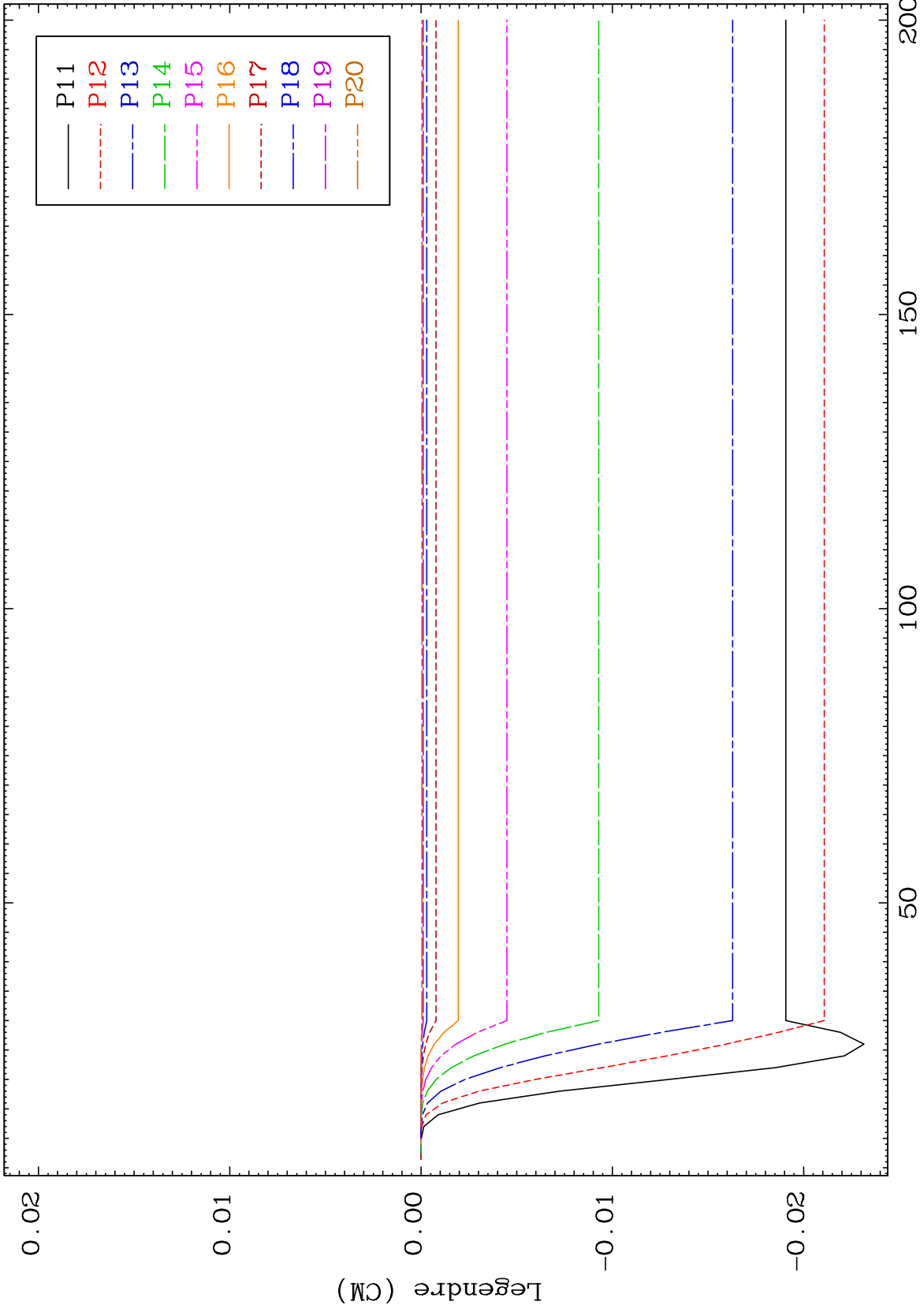
Incident Energy (MeV)

18-Ar-40

MAT 1837

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

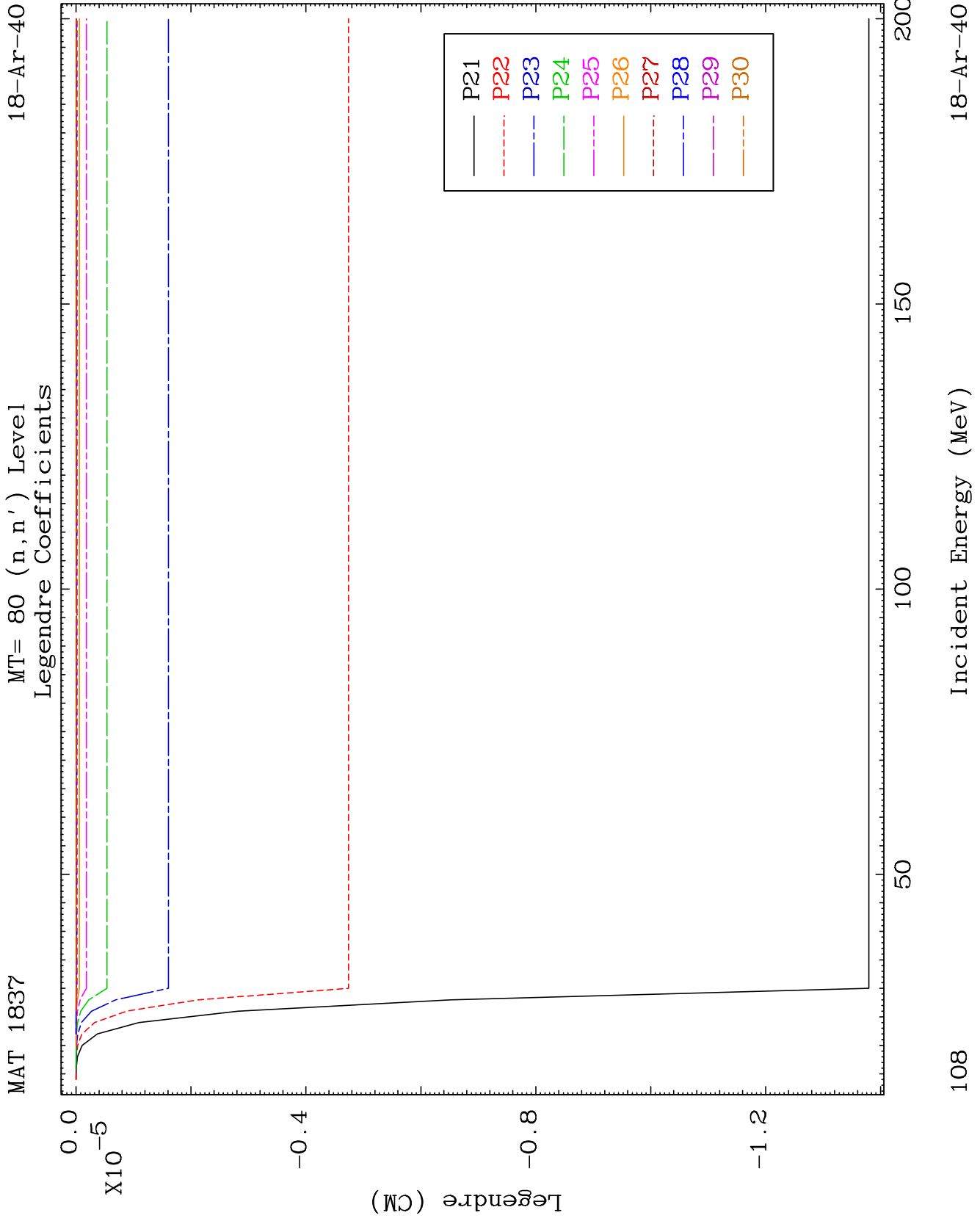
18-Ar-40



107

Incident Energy (MeV)

18-Ar-40

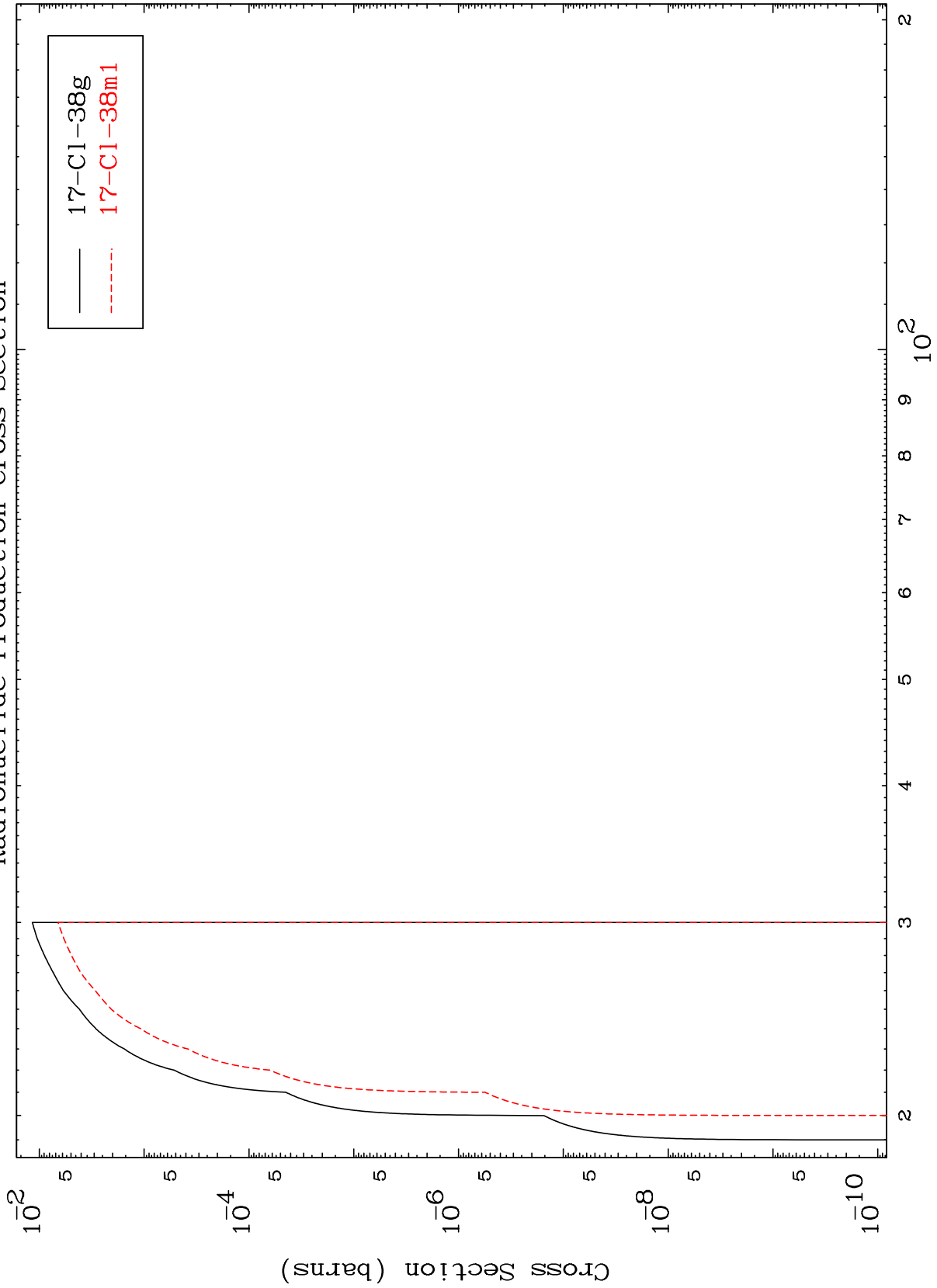


MAT 1837

(n,n') d

18-Ar-40

Radionuclide Production Cross Section



109

Incident Energy (MeV)

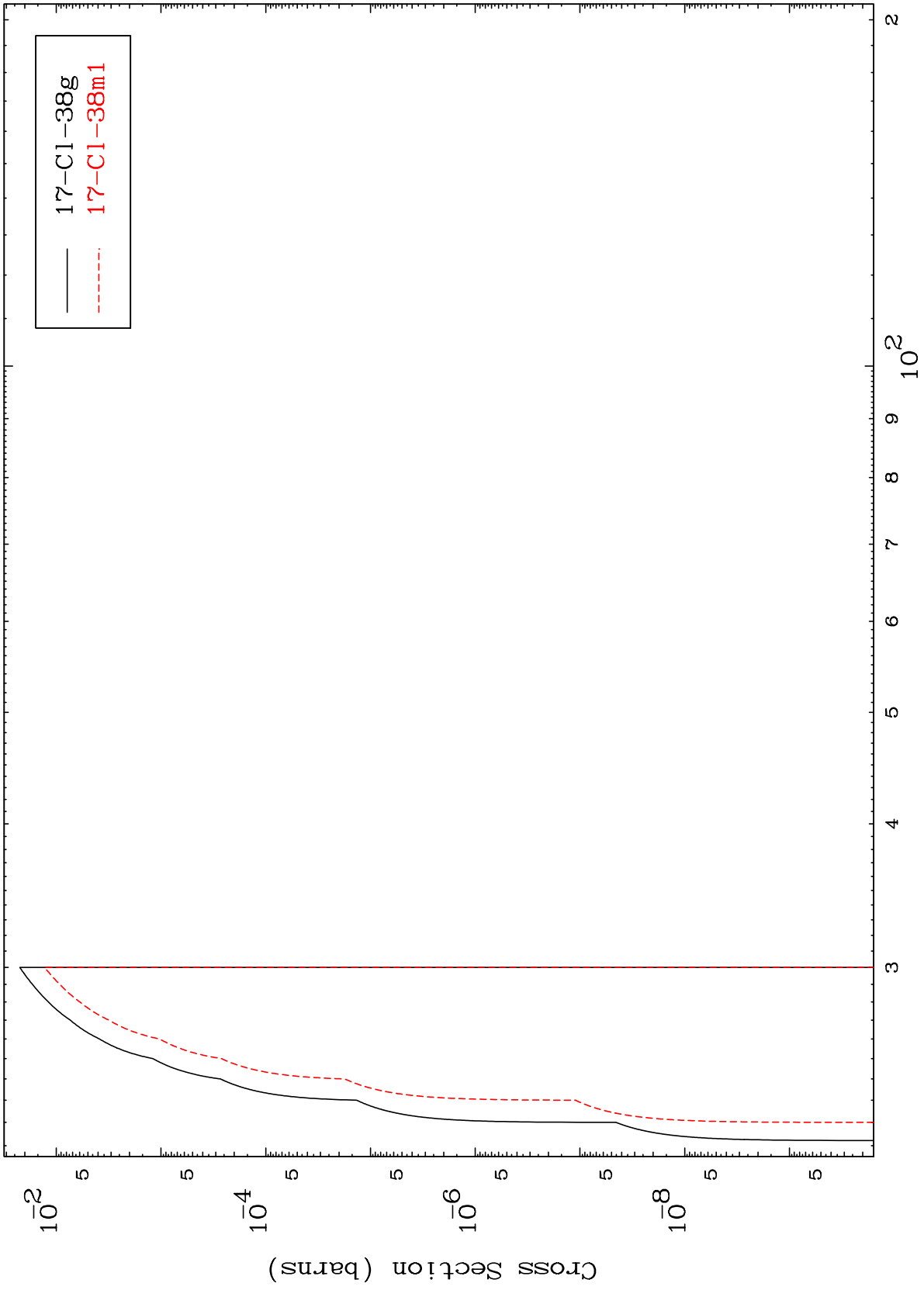
18-Ar-40

MAT 1837

(n,2n) p

18-Ar-40

Radionuclide Production Cross Section



110

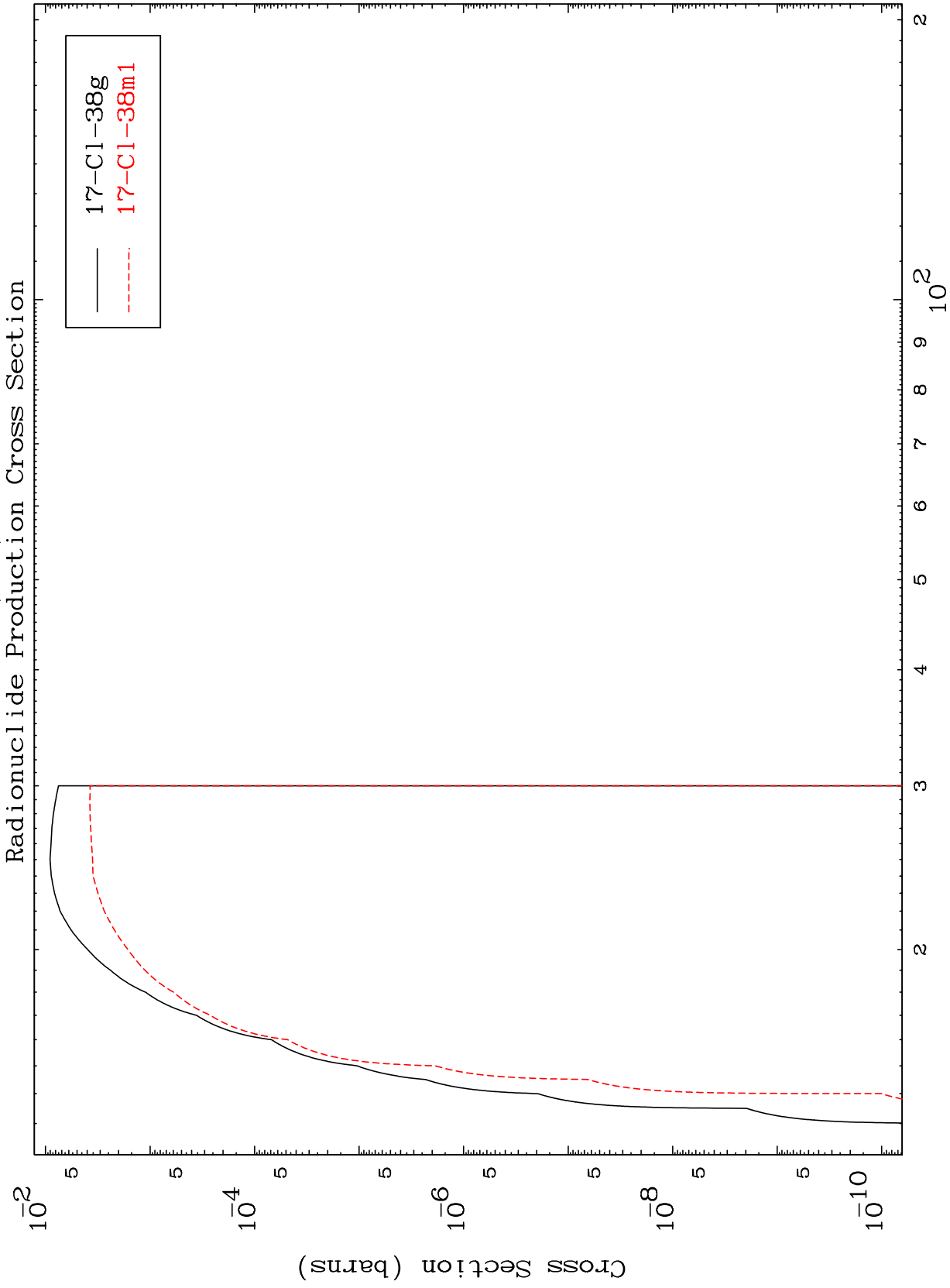
Incident Energy (MeV)

18-Ar-40

MAT 1837

(n, t)

18-Ar-40



111

18-Ar-40

18-Ar-40