

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

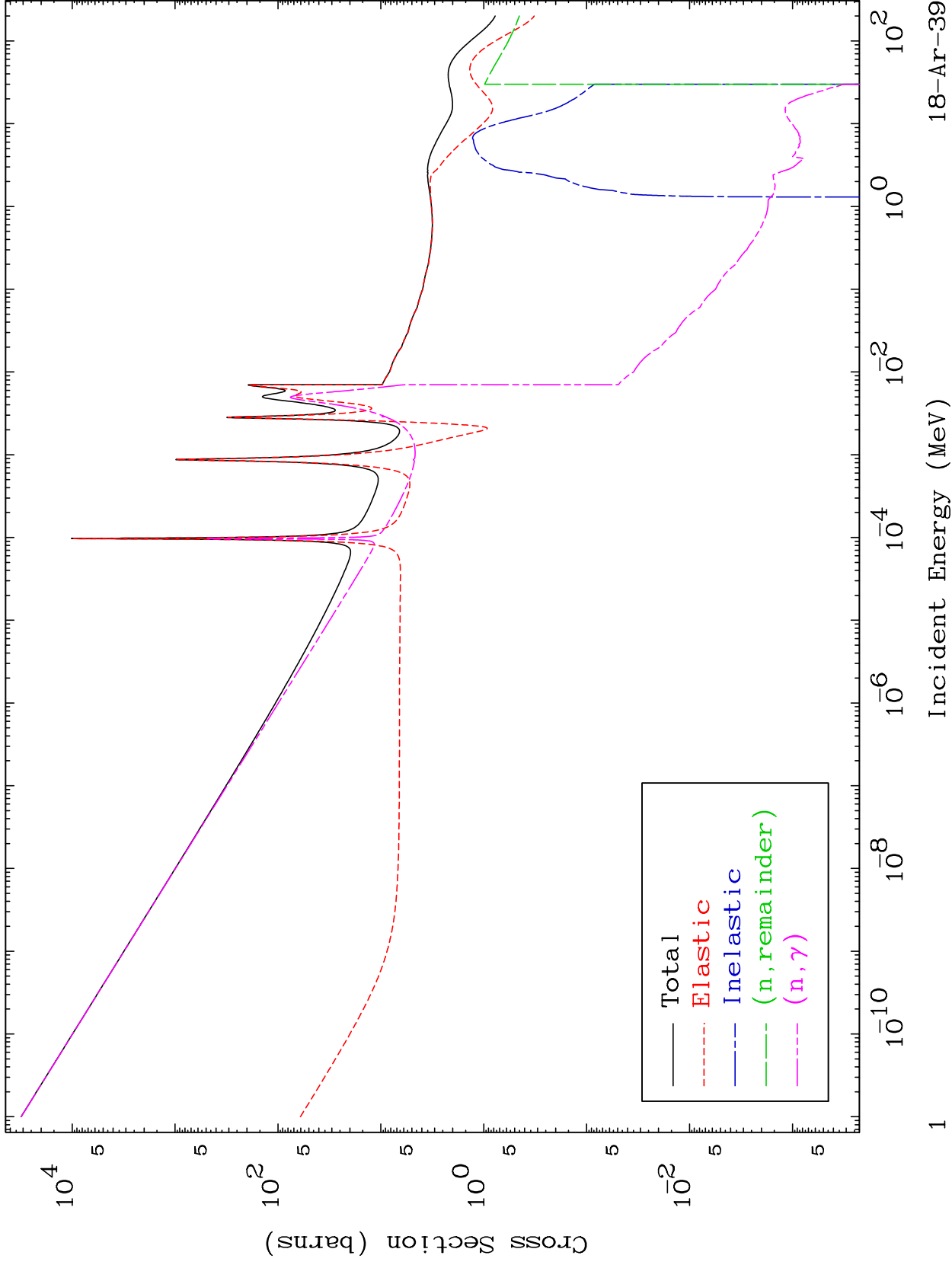
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 1834

Major
293 Kelvin Cross Sections

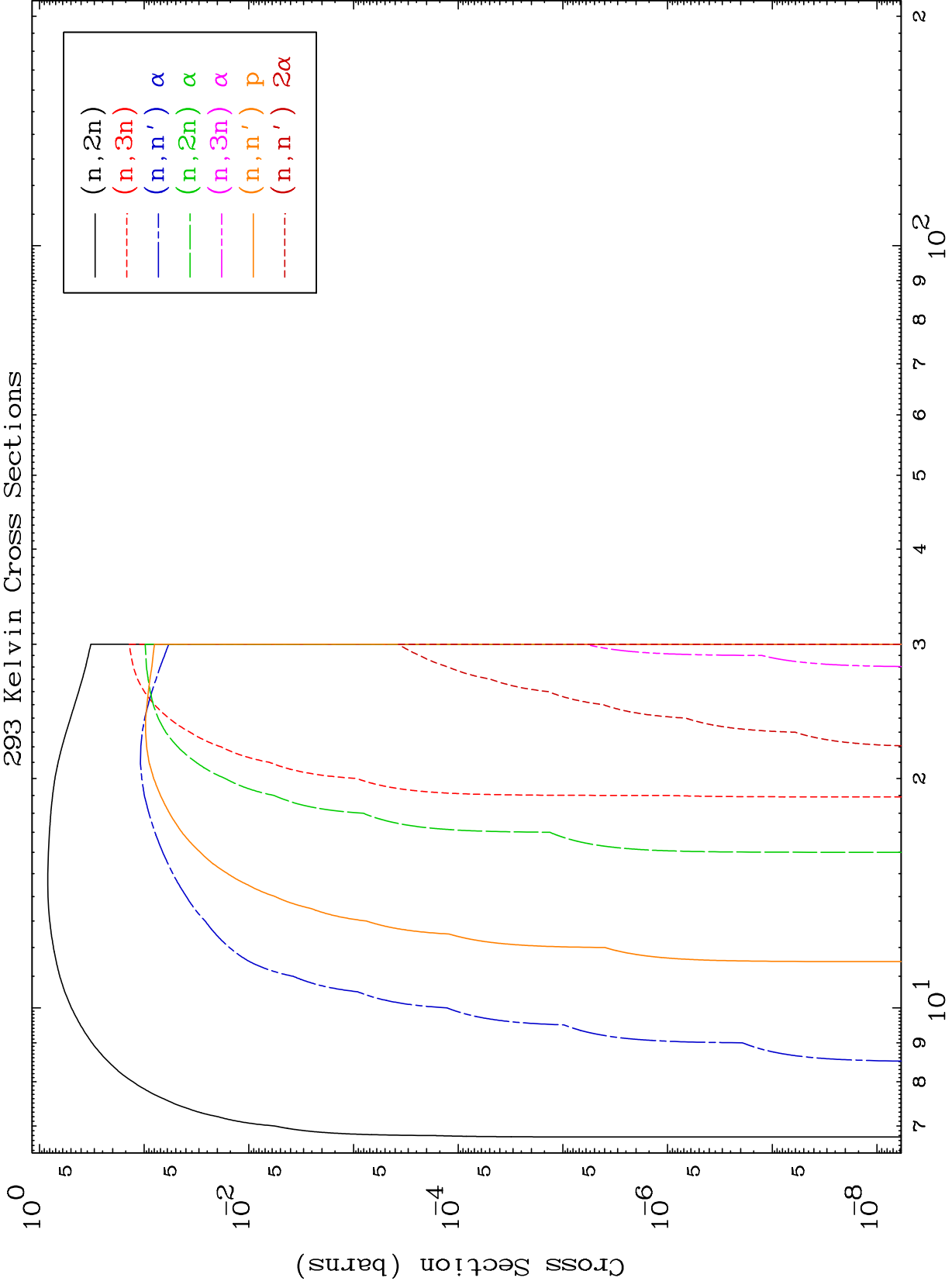
18-Ar-39



MAT 1834

Neutron Production
293 Kelvin Cross Sections

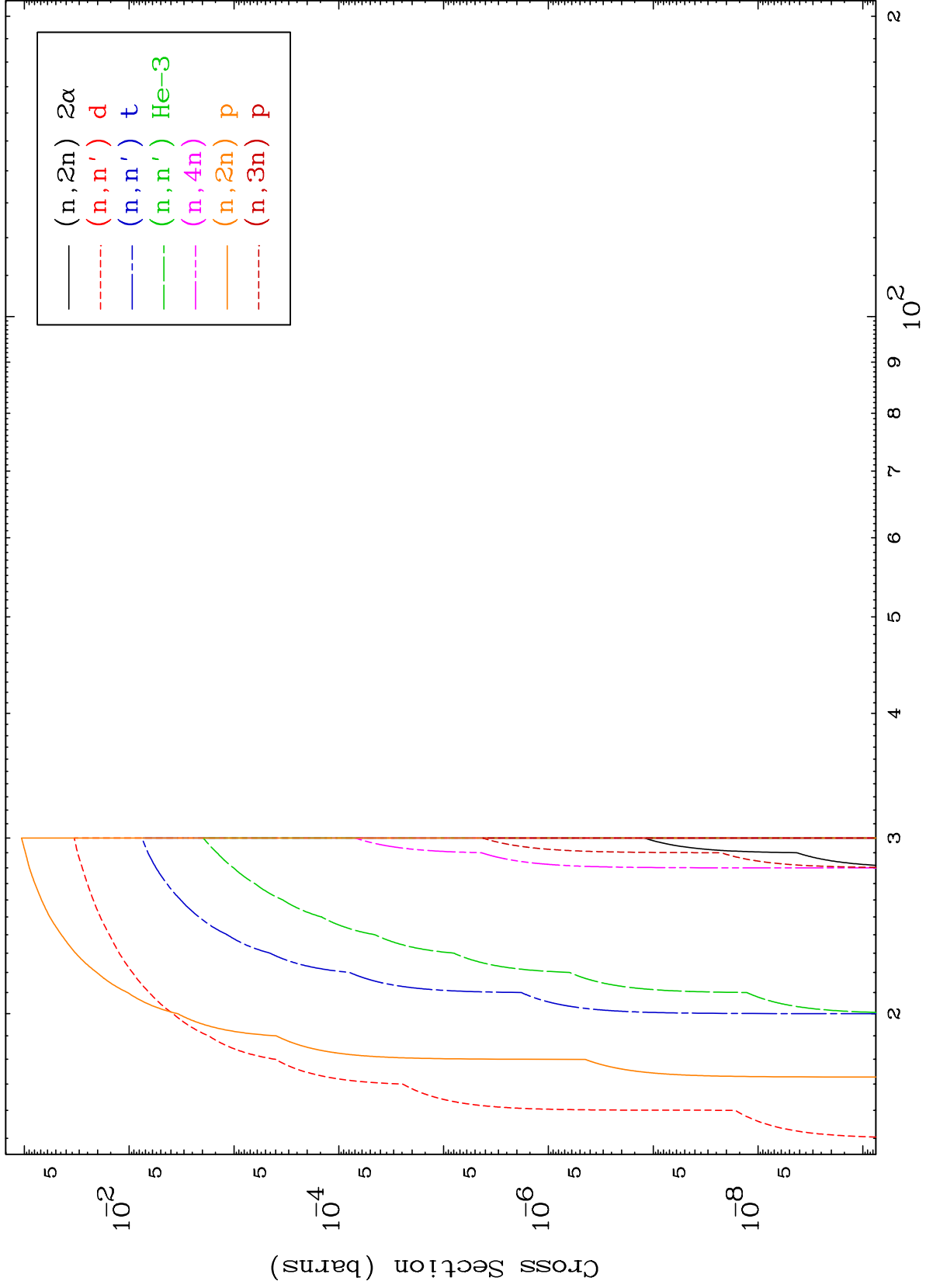
18-Ar-39

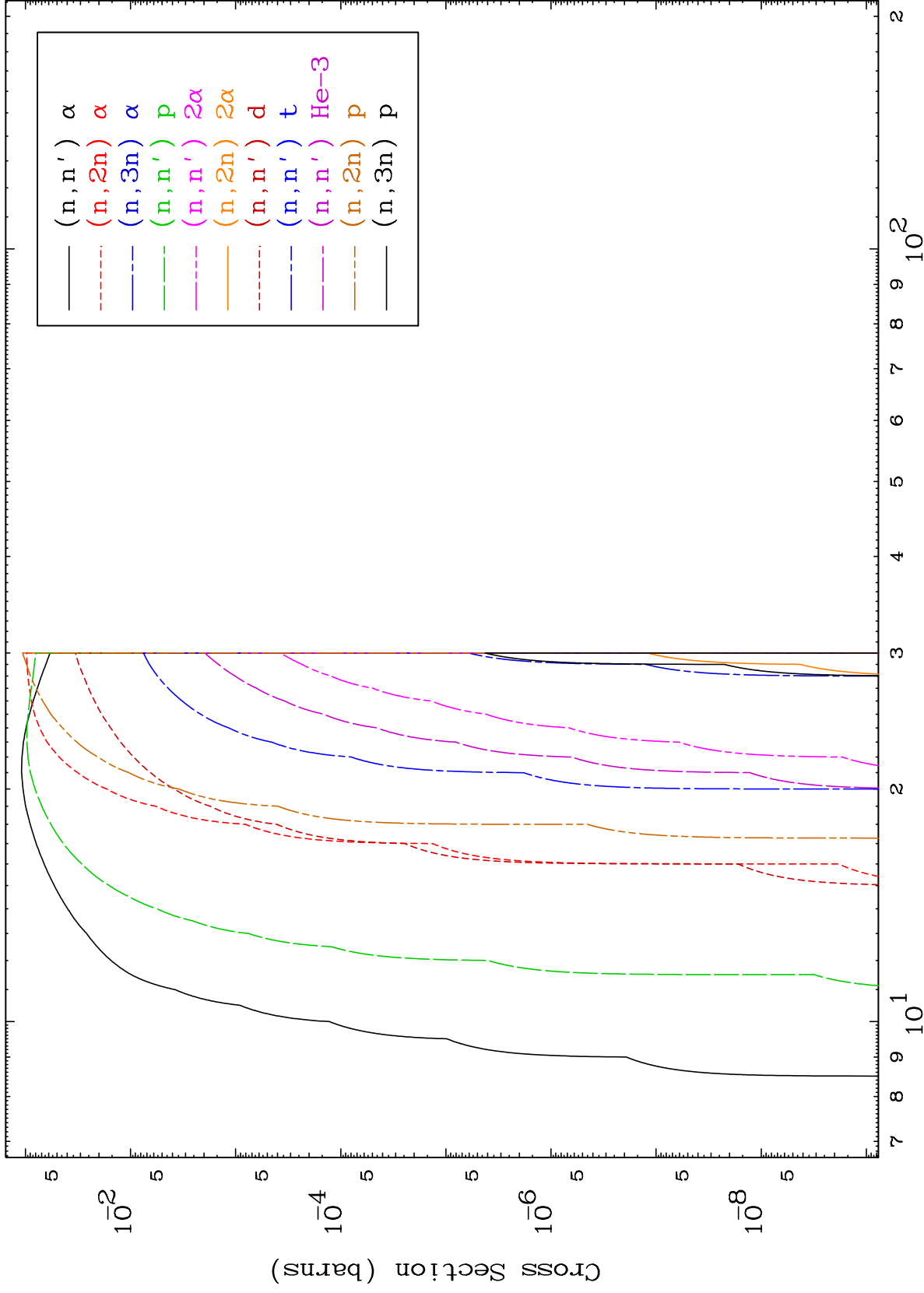


2

Incident Energy (MeV)

18-Ar-39

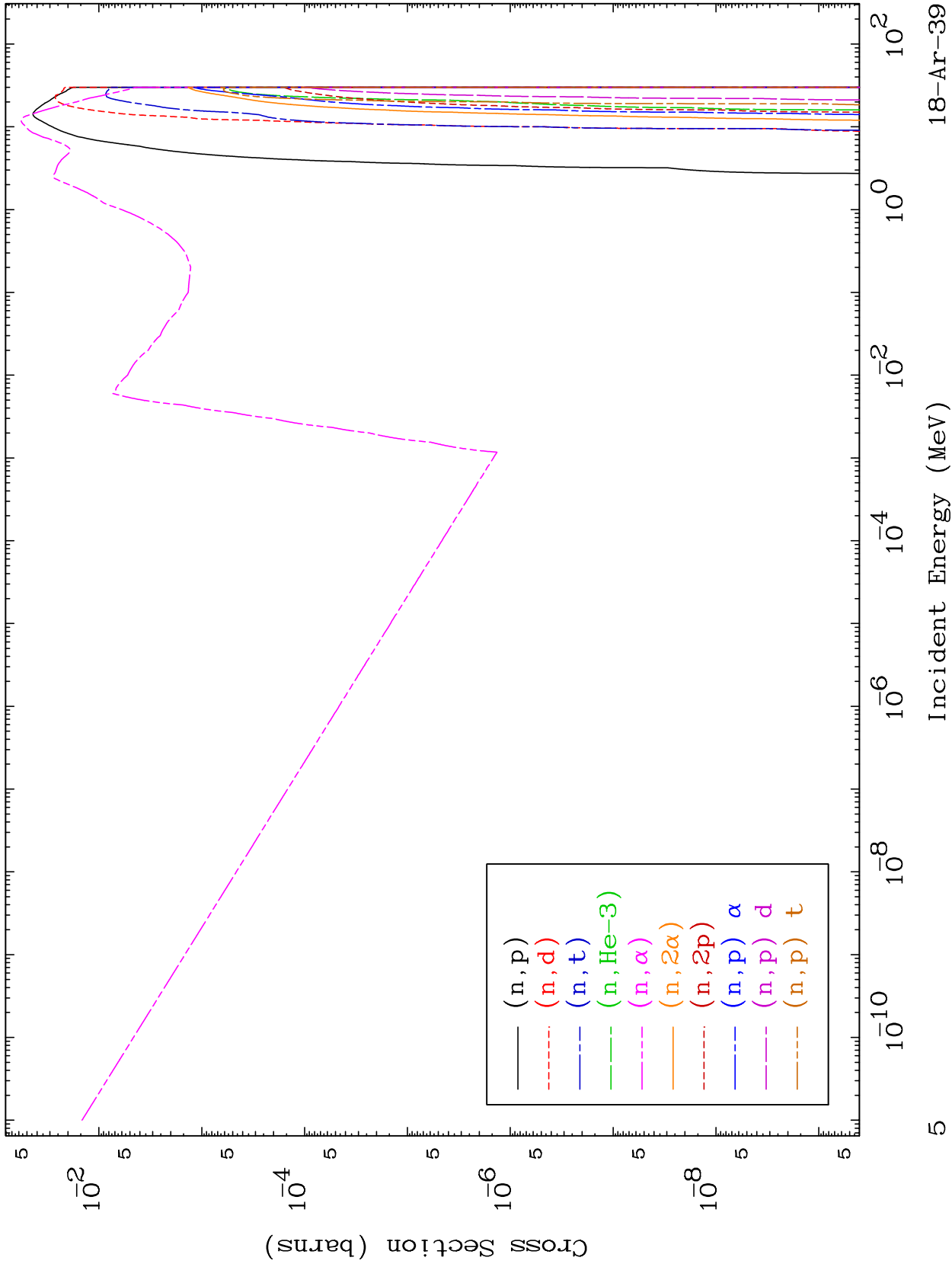


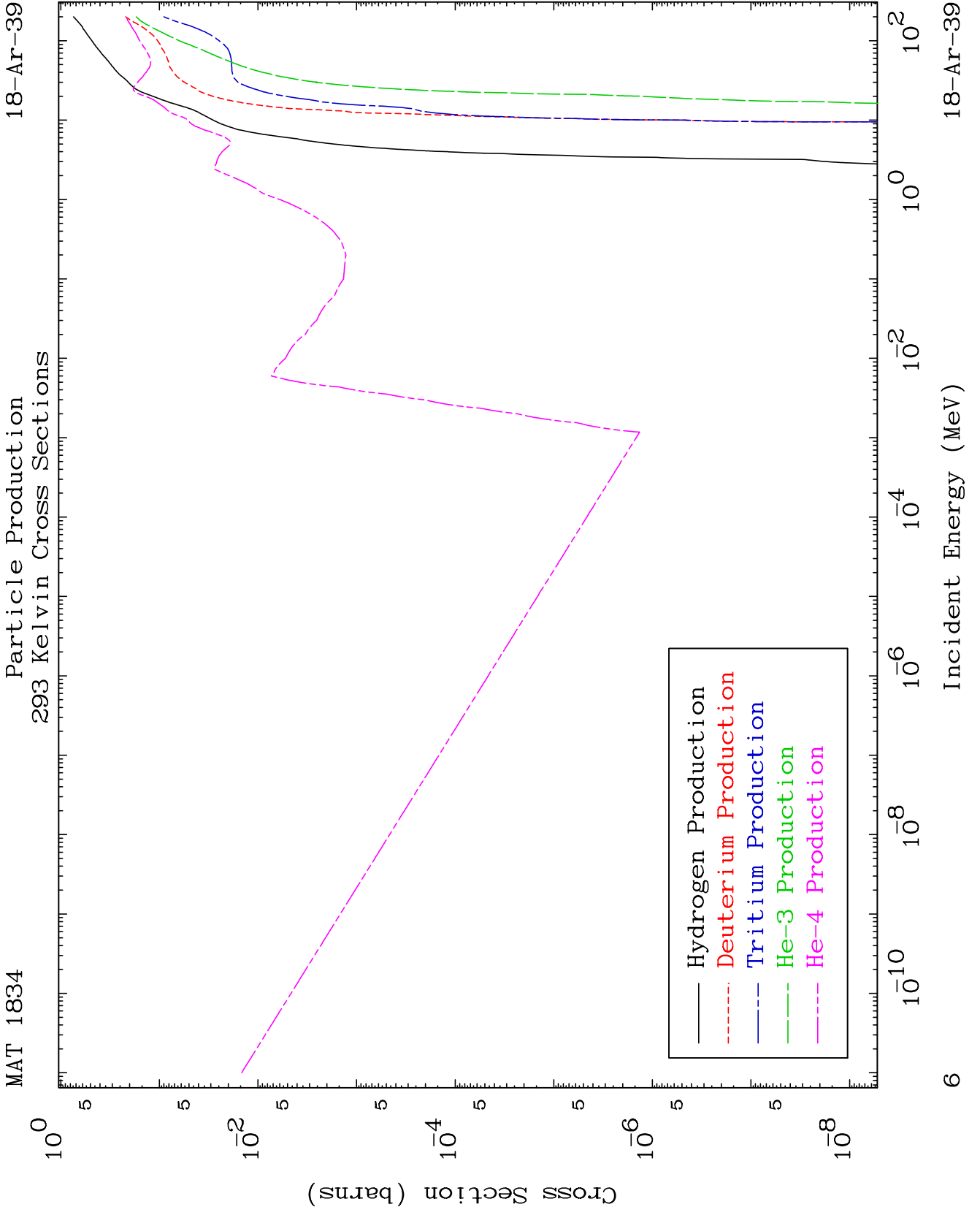


MAT 1834

Charged Particle
293 Kelvin Cross Sections

18-Ar-39



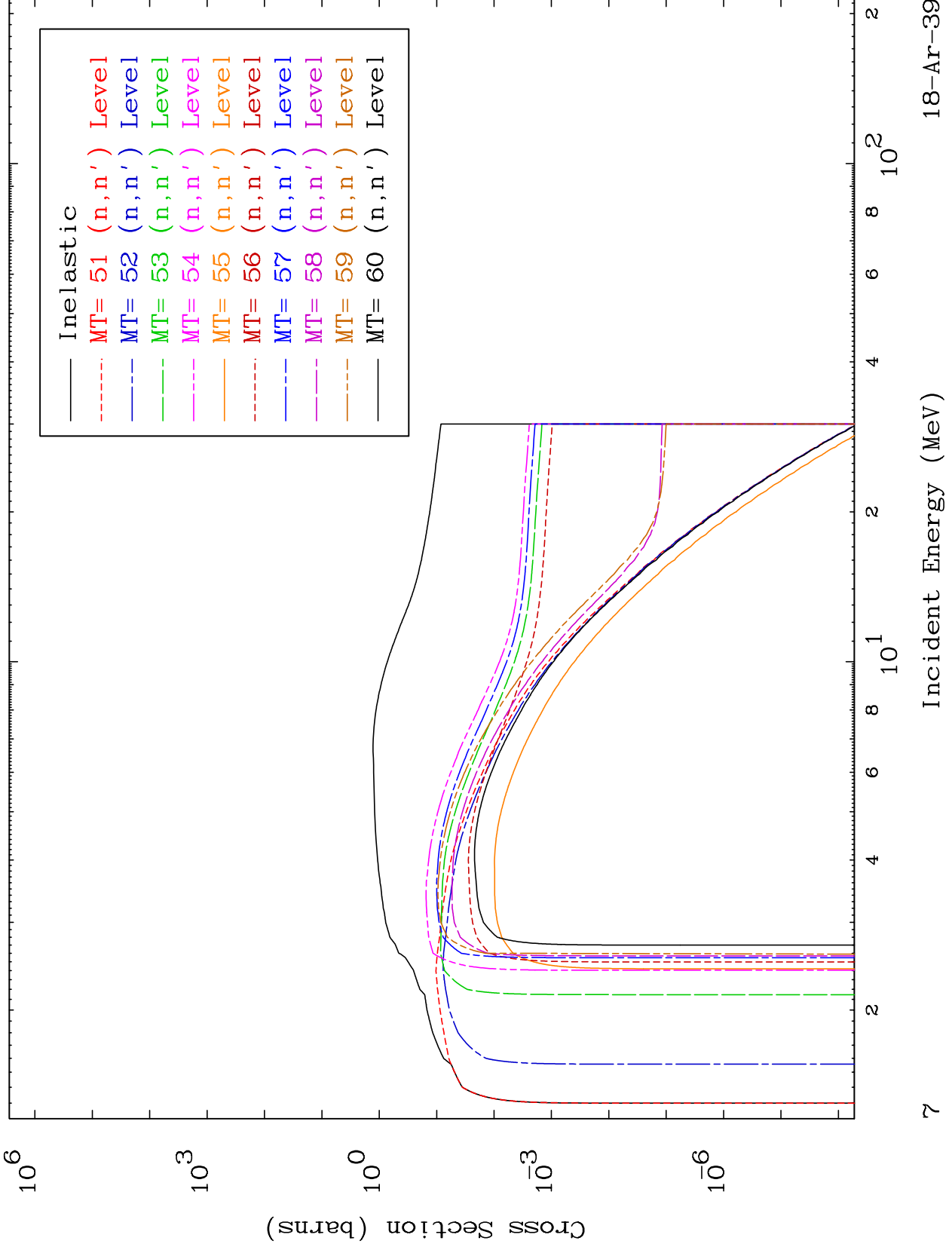


MAT 1834

(n,n') Level

18-Ar-39

293 Kelvin Cross Sections

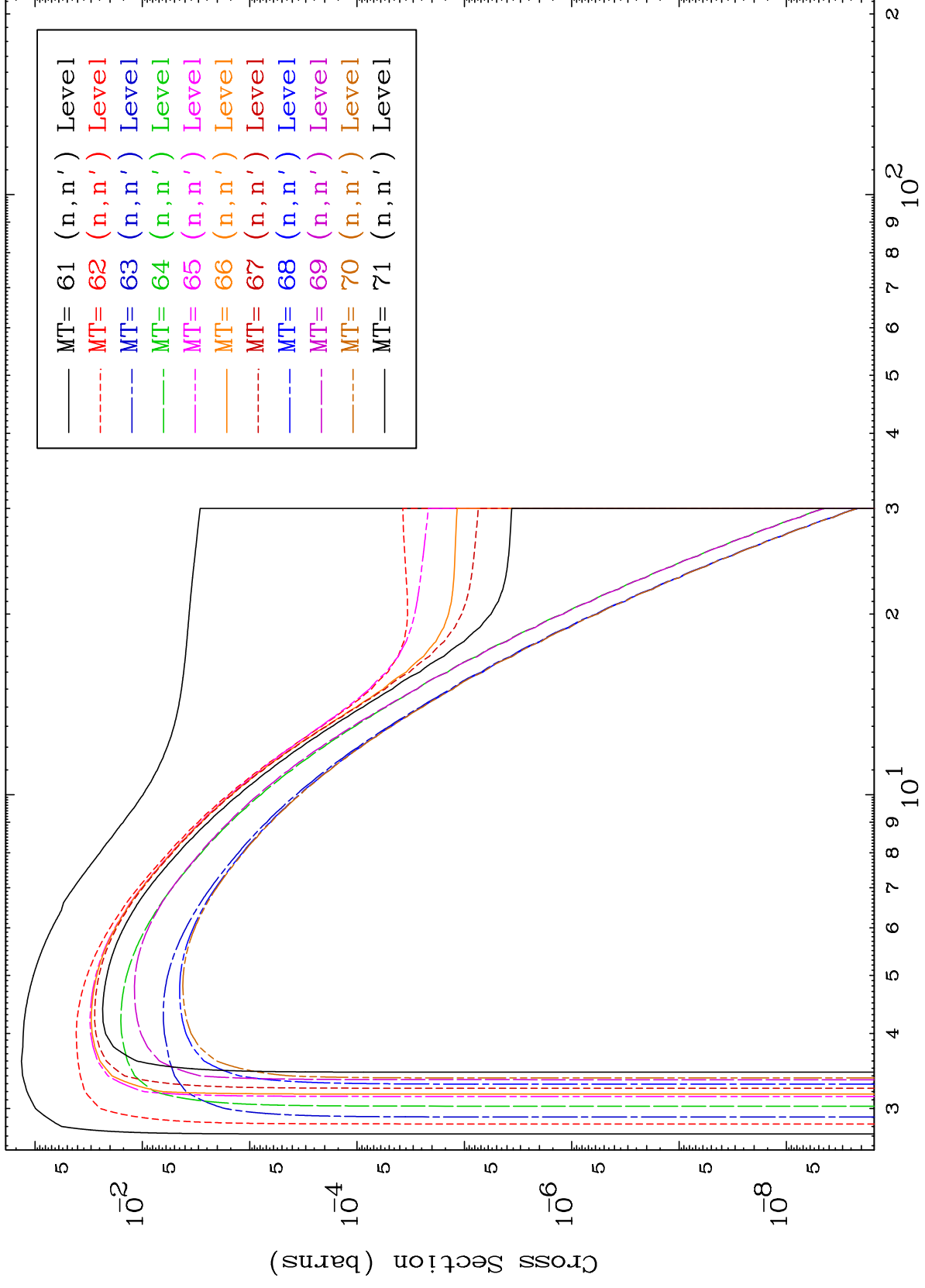


MAT 1834

(n,n') Level

18-Ar-39

293 Kelvin Cross Sections



Incident Energy (MeV)

18-Ar-39

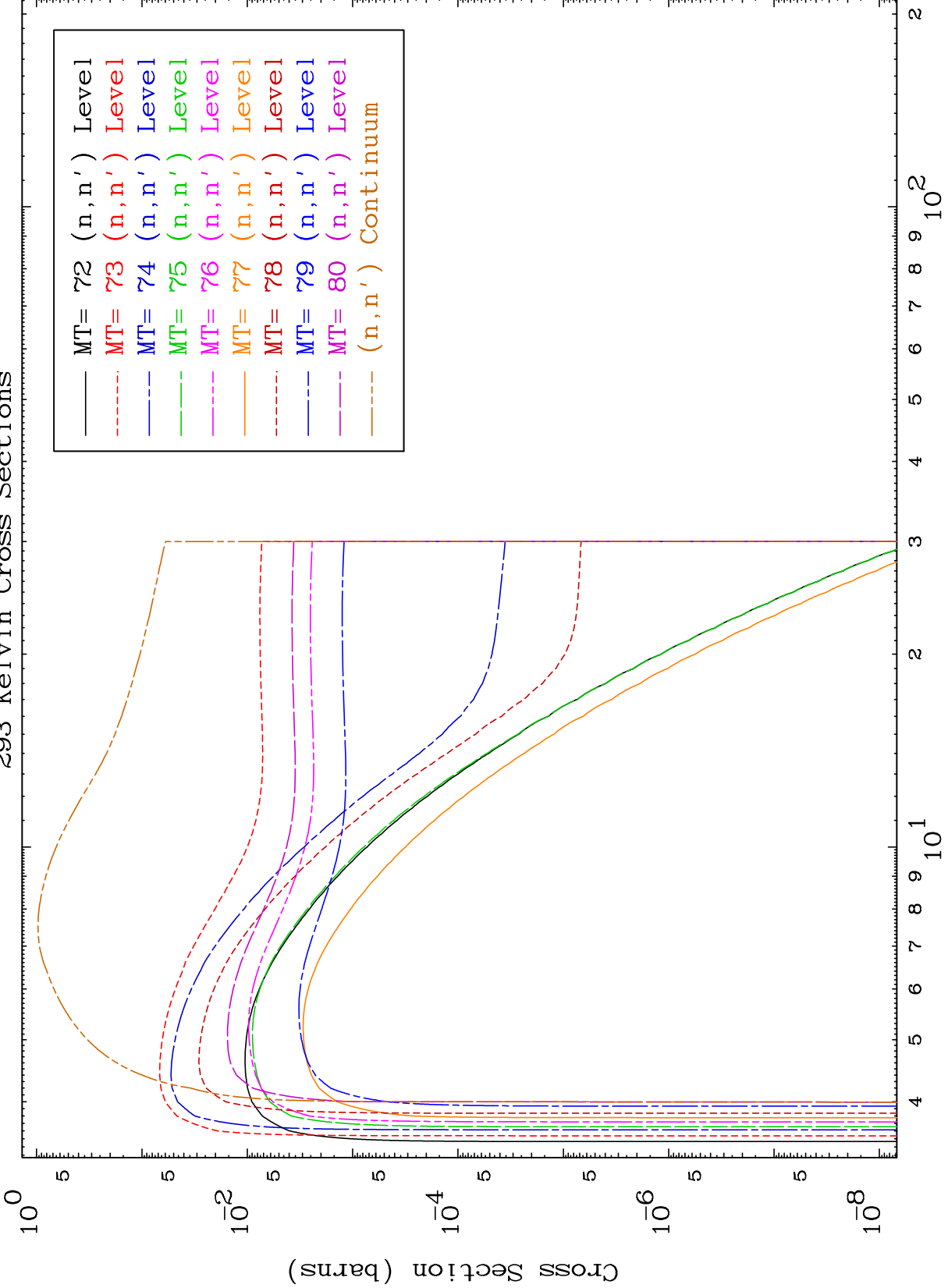
8

MAT 1834

(n,n') Level

18-Ar-39

293 Kelvin Cross Sections



9

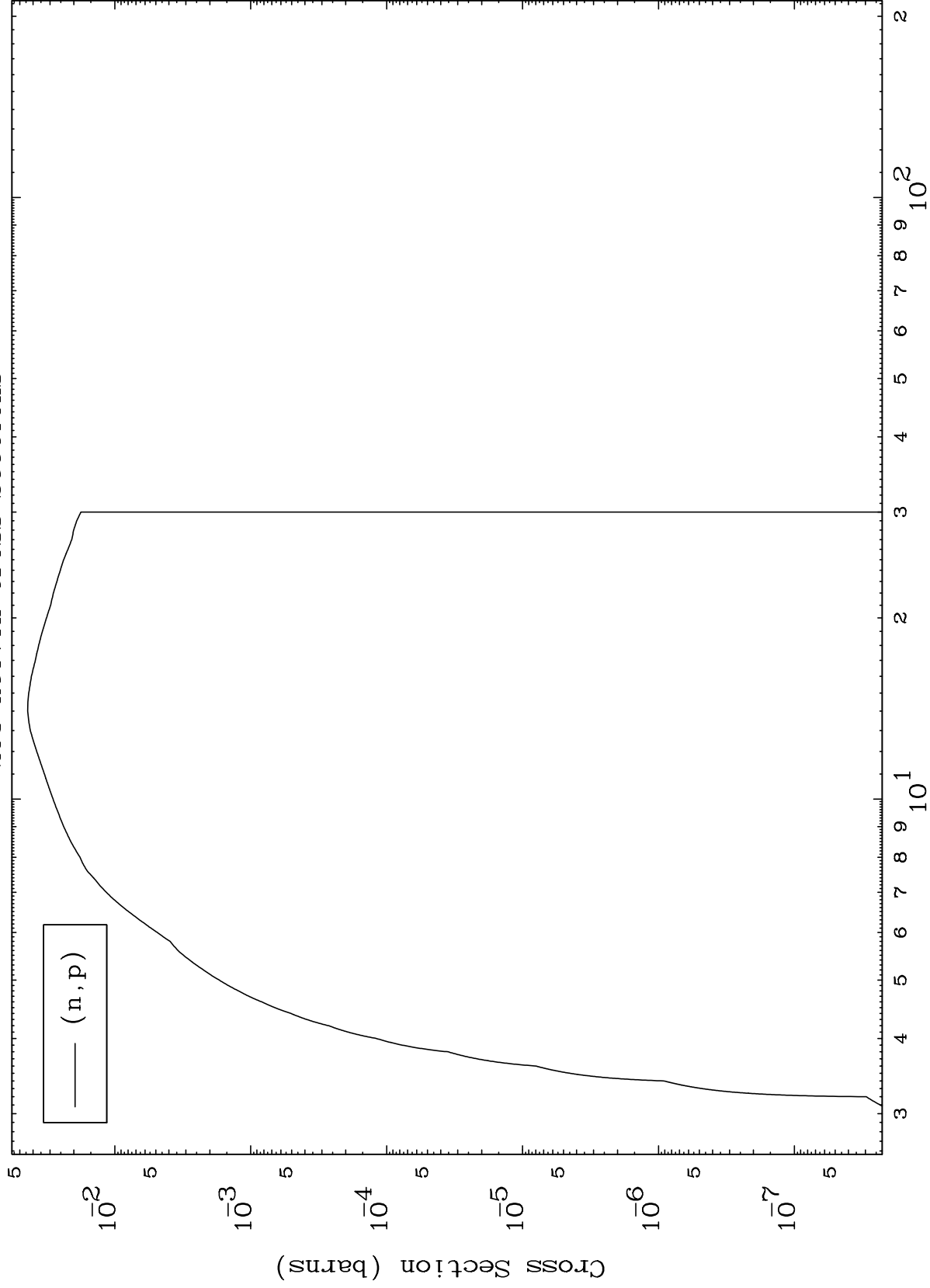
Incident Energy (MeV)

18-Ar-39

MAT 1834

(n,p) Levels
293 Kelvin Cross Sections

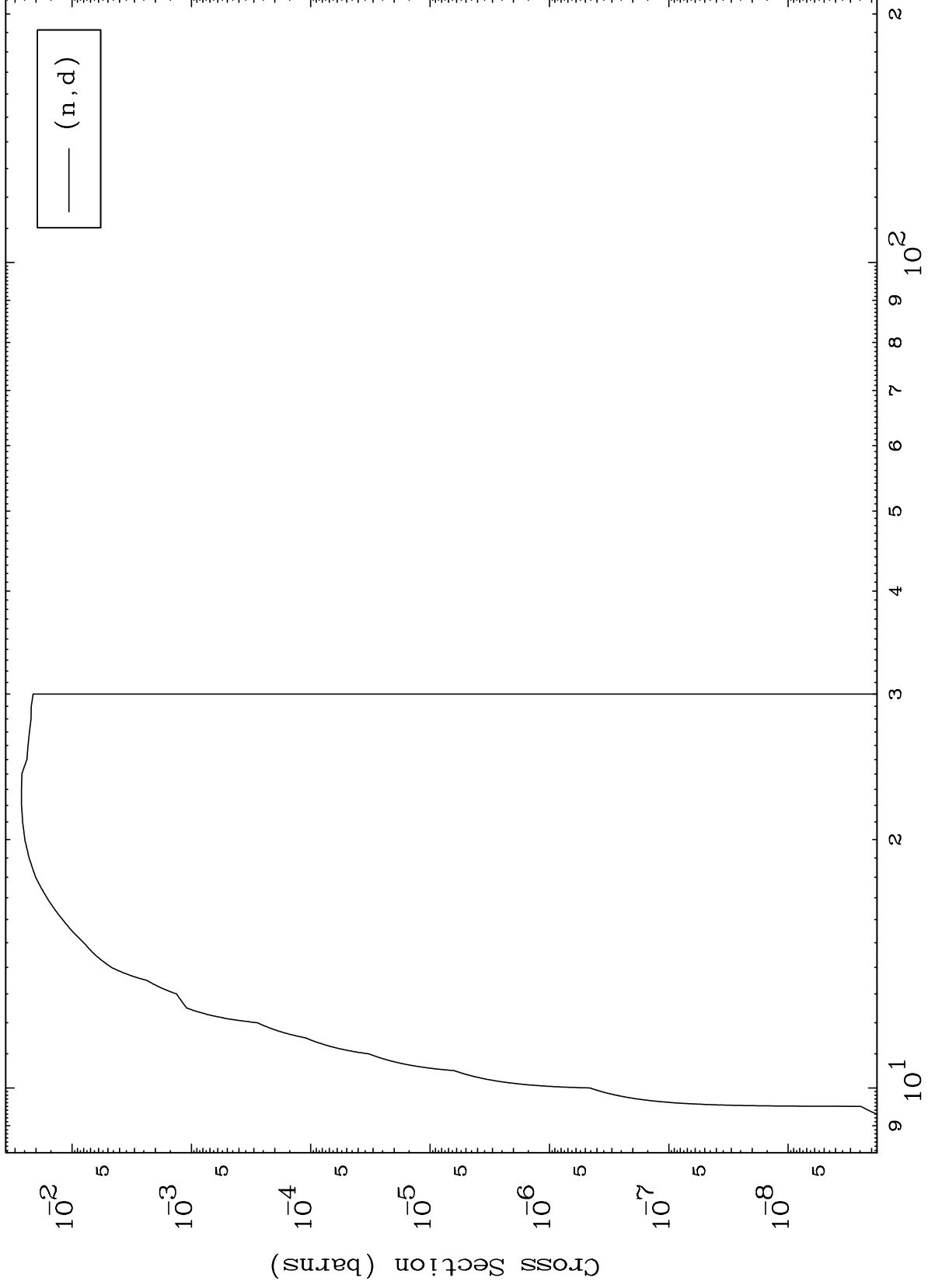
18-Ar-39



10

Incident Energy (MeV)

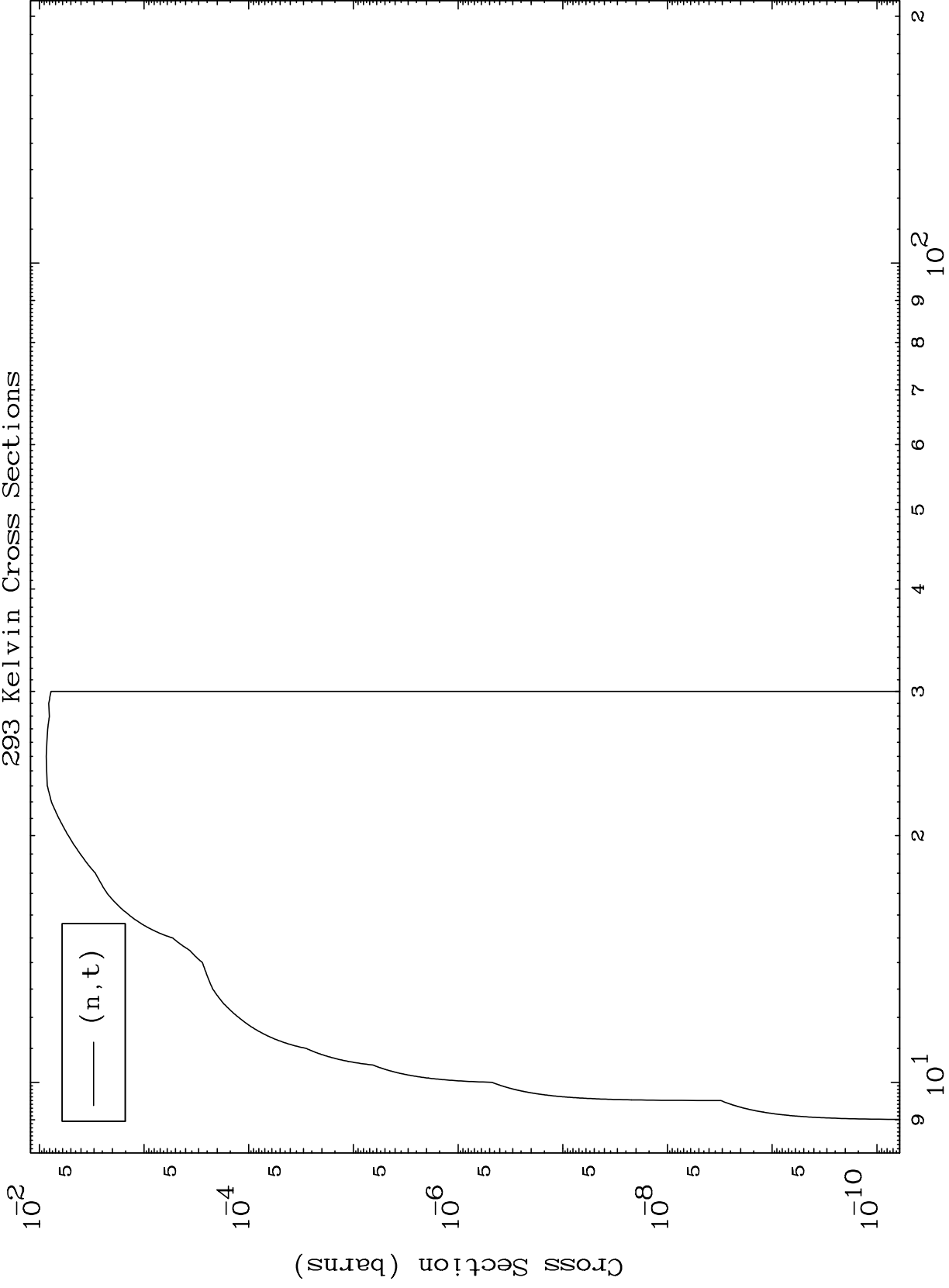
18-Ar-39



MAT 1834

(n,t) Levels
293 Kelvin Cross Sections

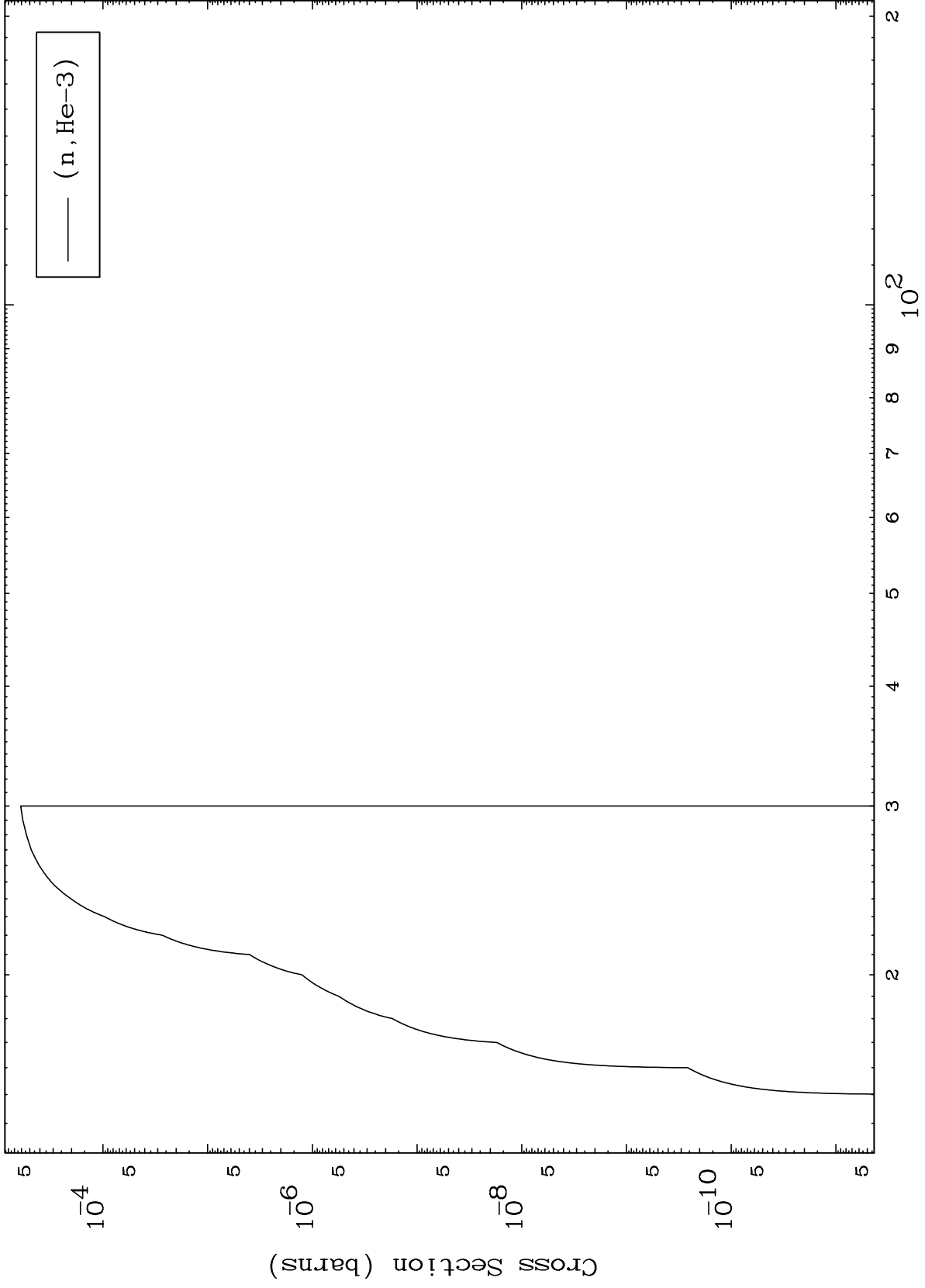
18-Ar-39



12

Incident Energy (MeV)

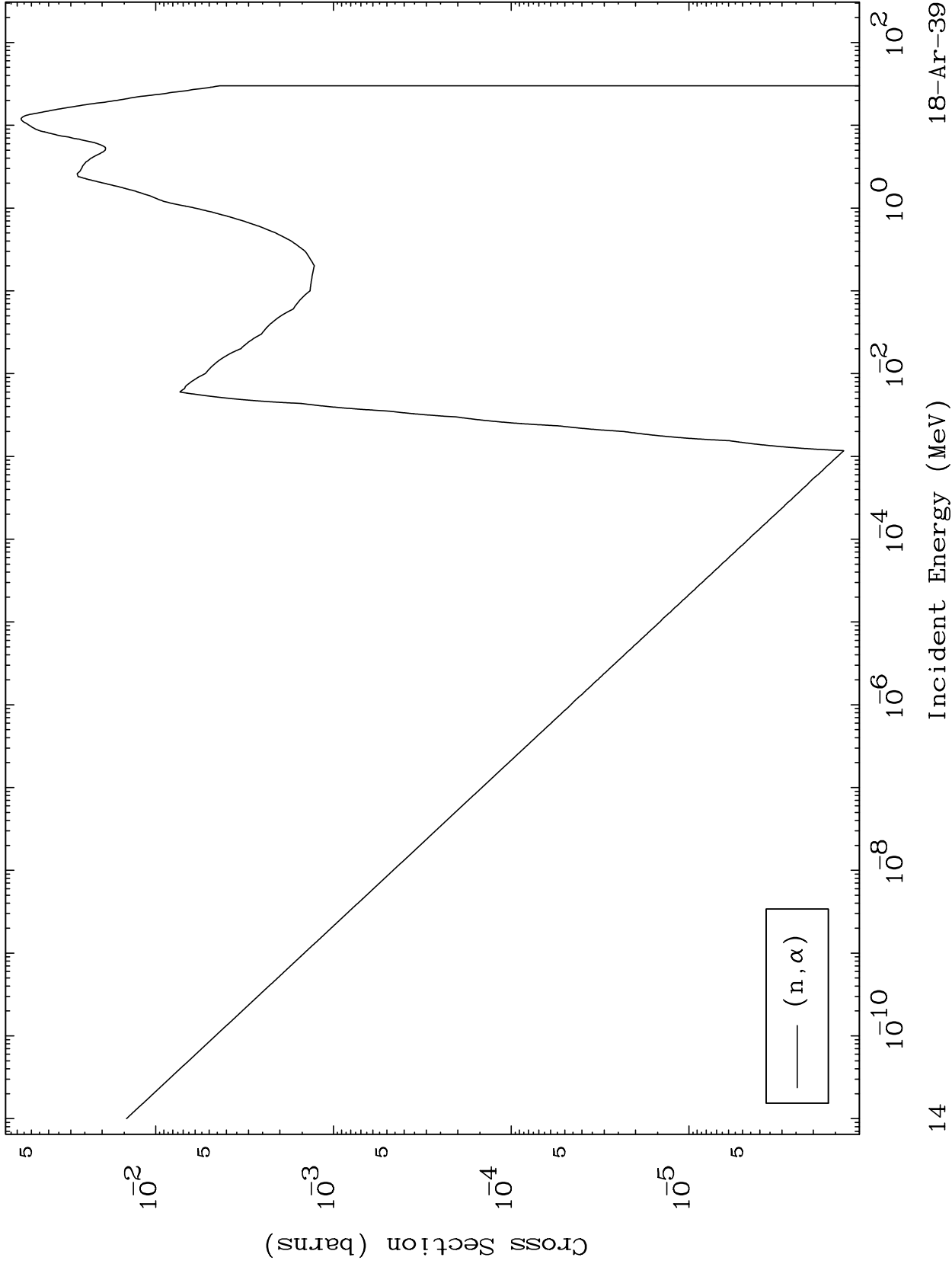
18-Ar-39



MAT 1834

(n,α) Levels
293 Kelvin Cross Sections

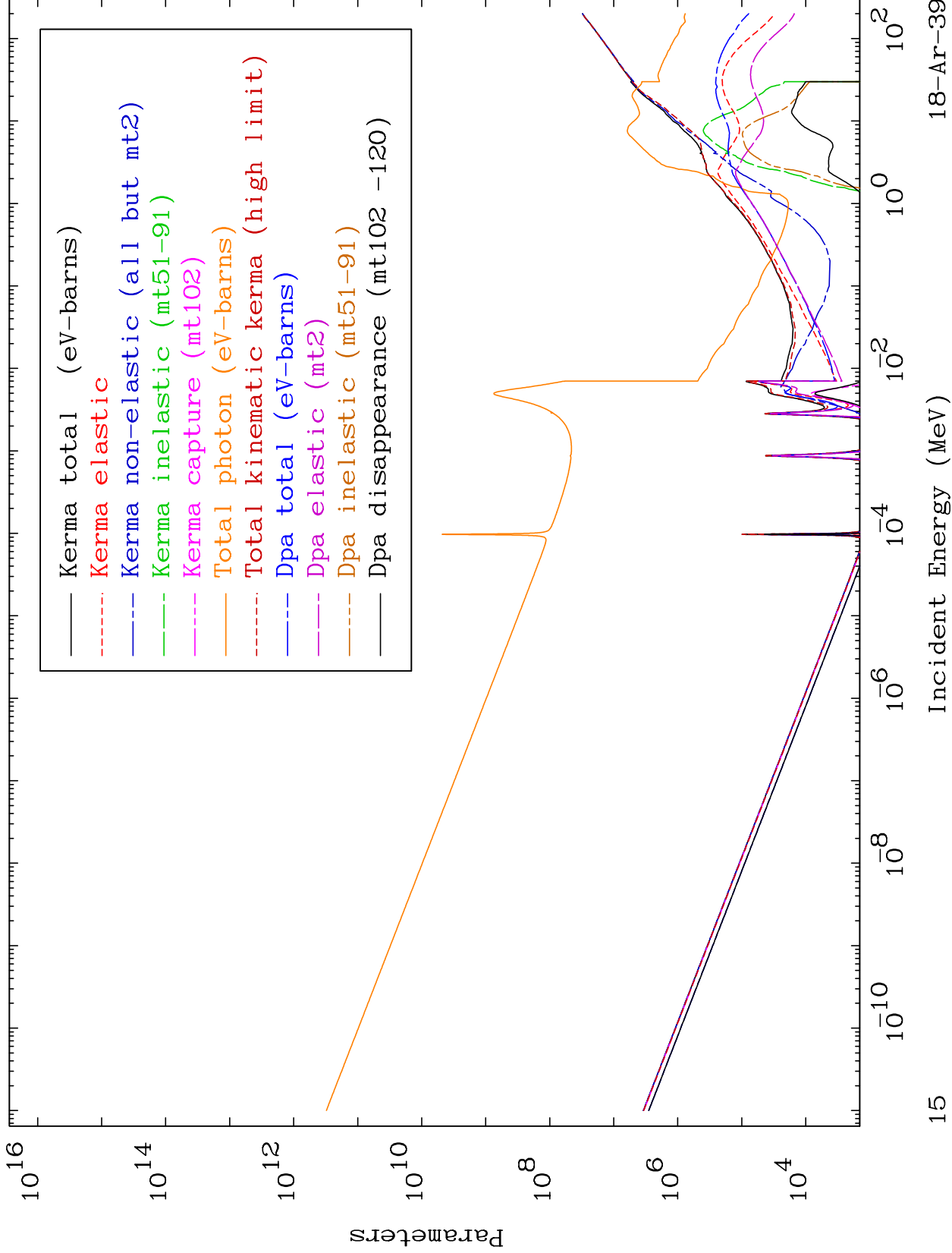
18-Ar-39



14

Incident Energy (MeV)

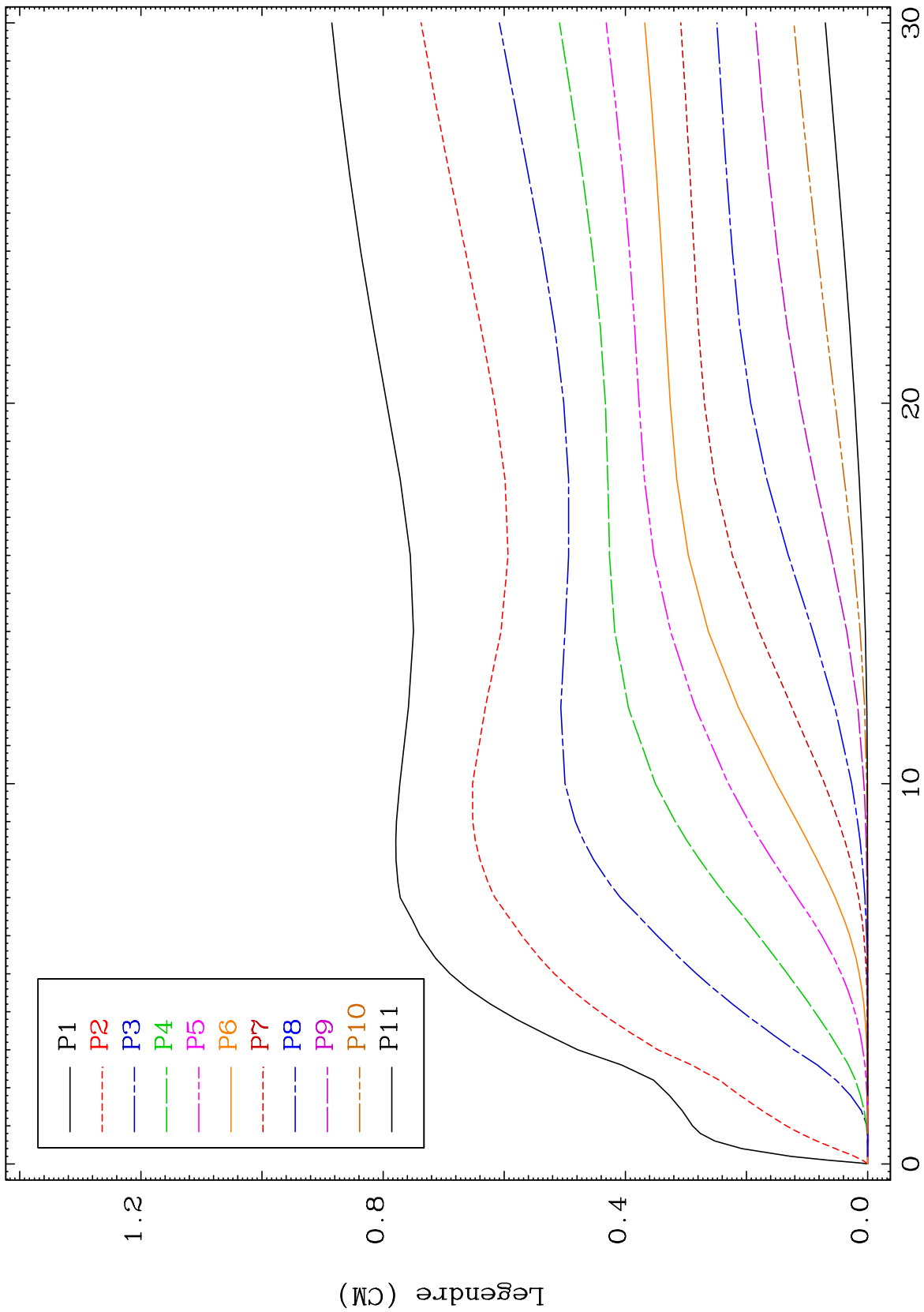
18-Ar-39



MAT 1834

Elastic Legendre Coefficients

18-Ar-39



16

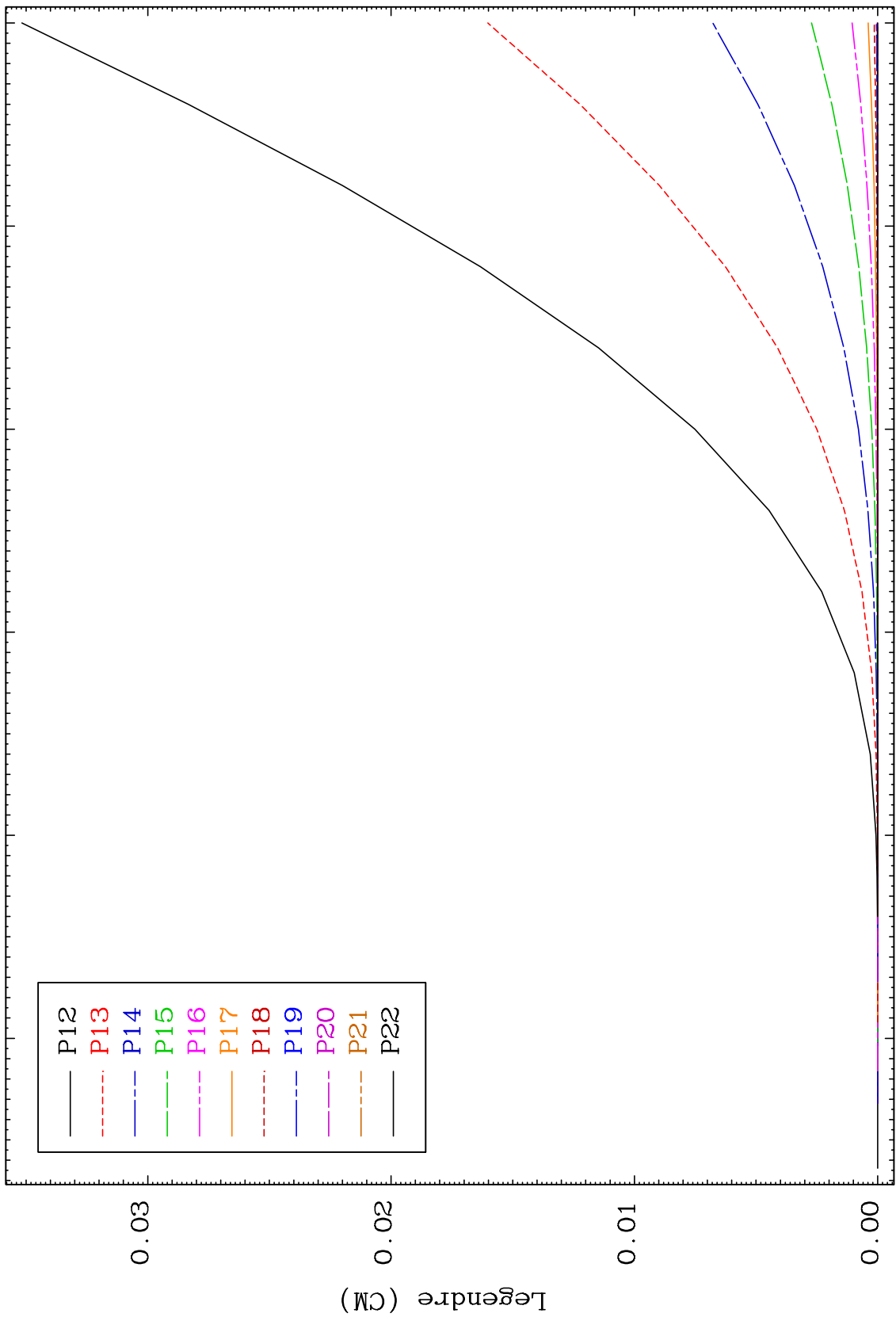
Incident Energy (MeV)

18-Ar-39

MAT 1834

Elastic Legendre Coefficients

18-Ar-39



17

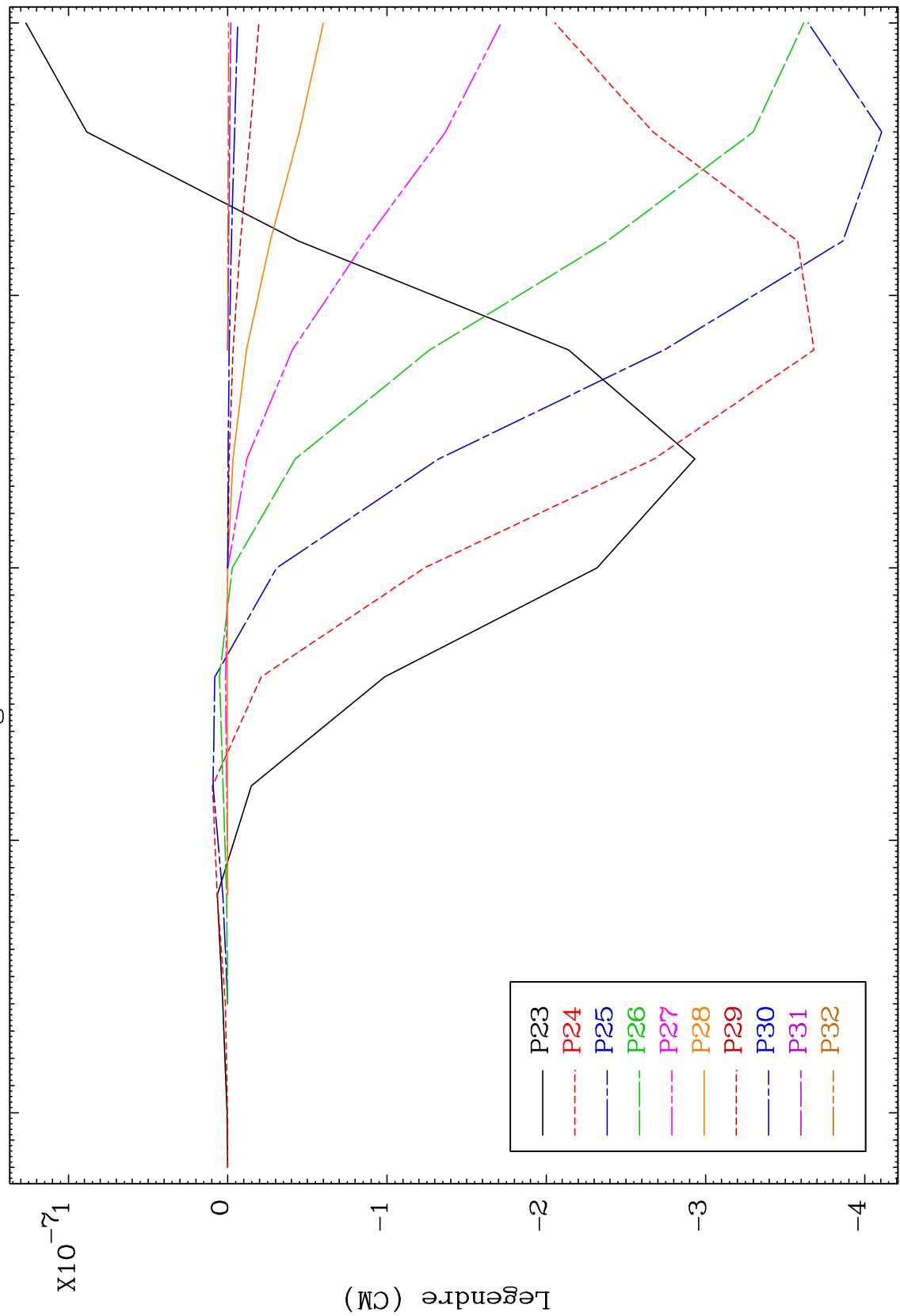
18-Ar-39

Incident Energy (MeV)

MAT 1834

Elastic Legendre Coefficients

18-Ar-39



18

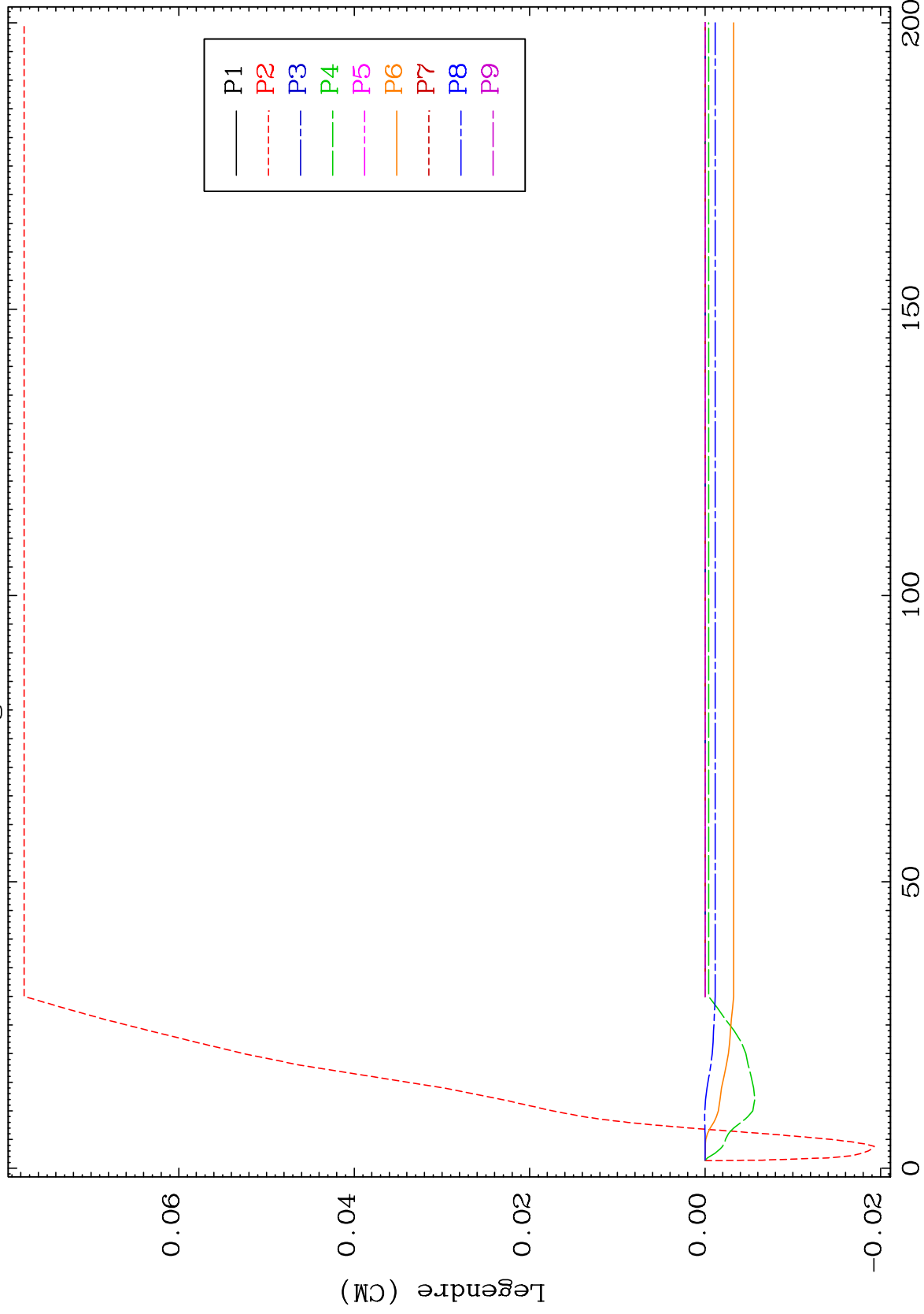
Incident Energy (MeV)

18-Ar-39

MAT 1834

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

18-Ar-39



18-Ar-39

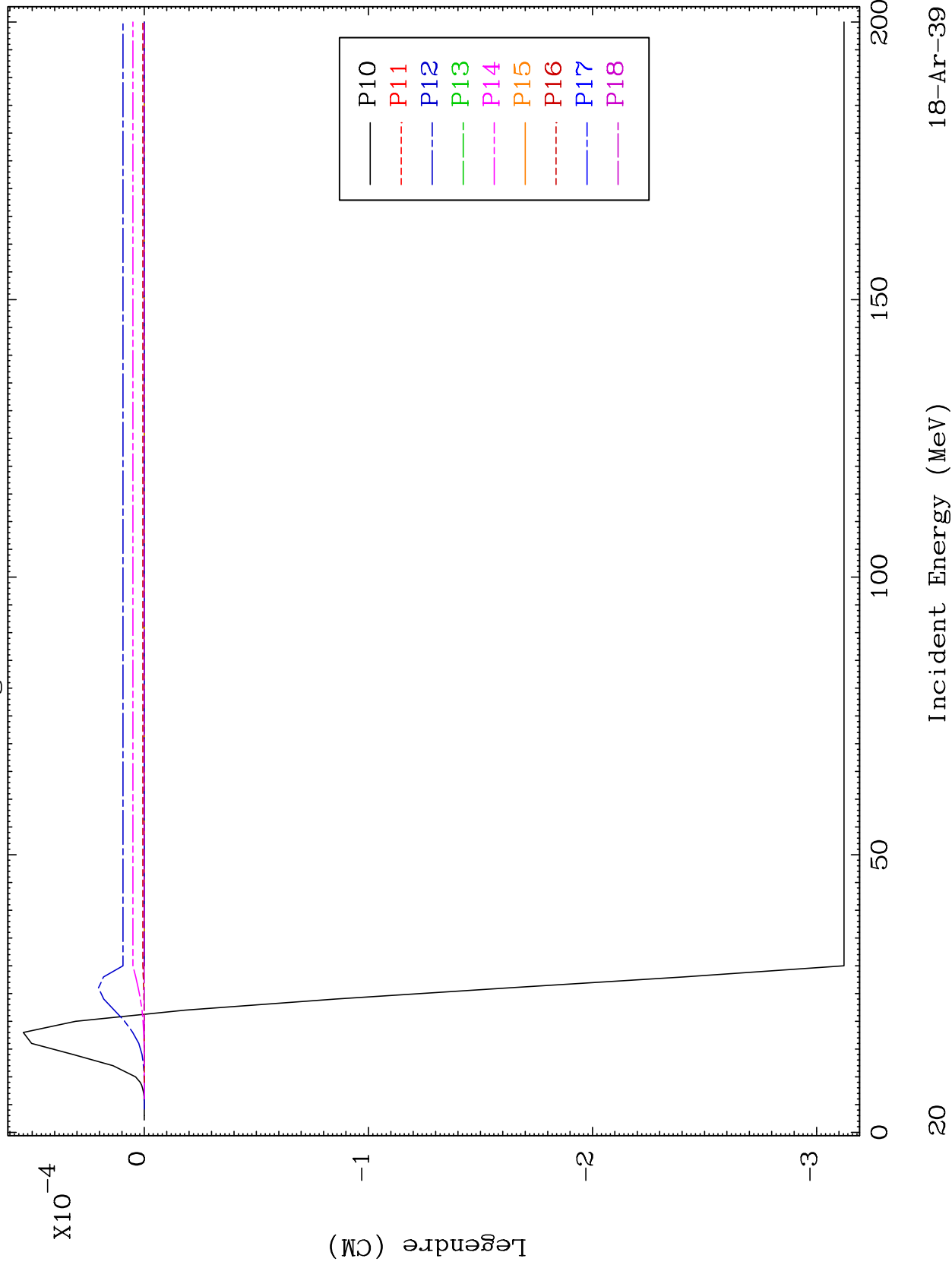
Incident Energy (MeV)

19

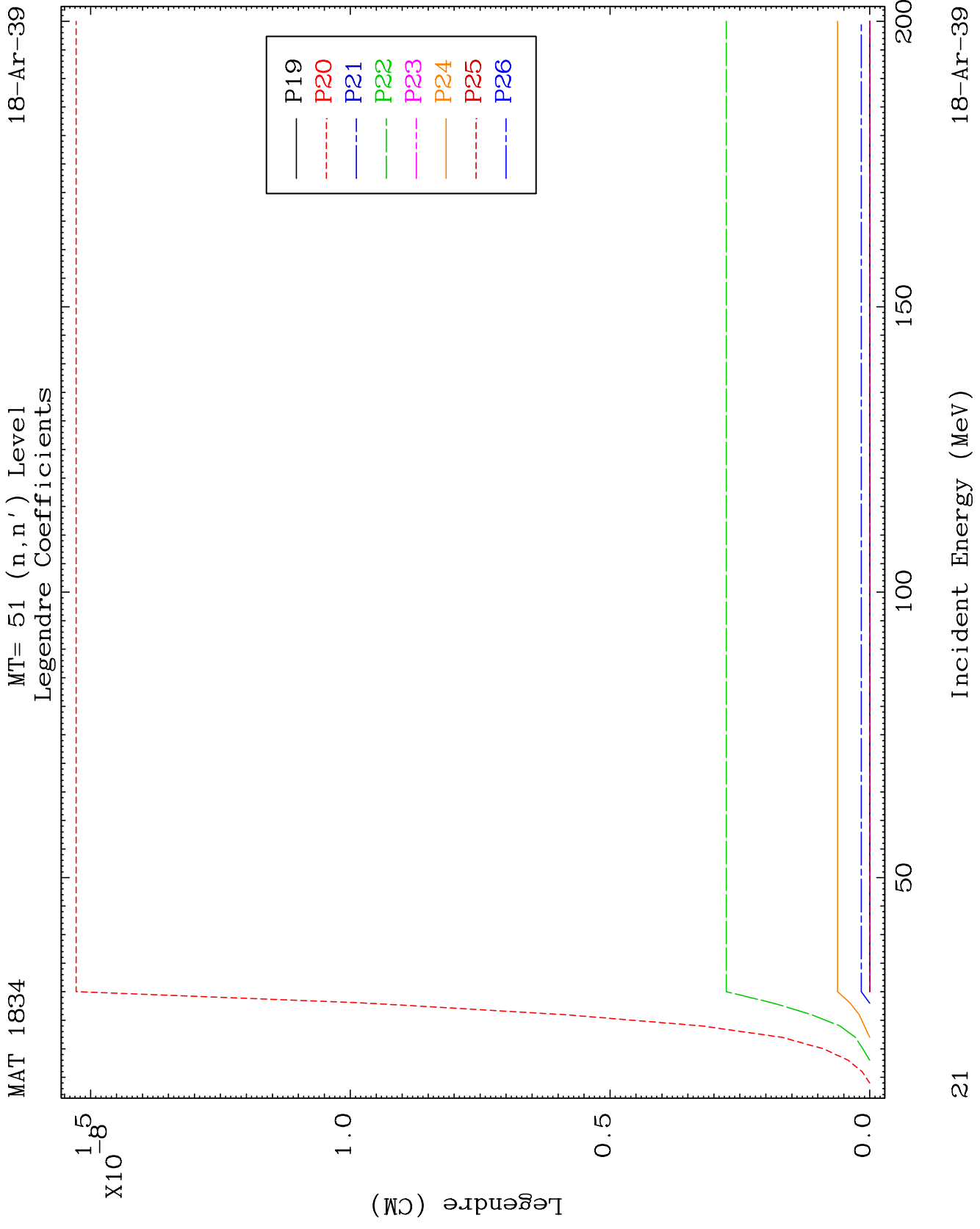
MAT 1834

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

18-Ar-39



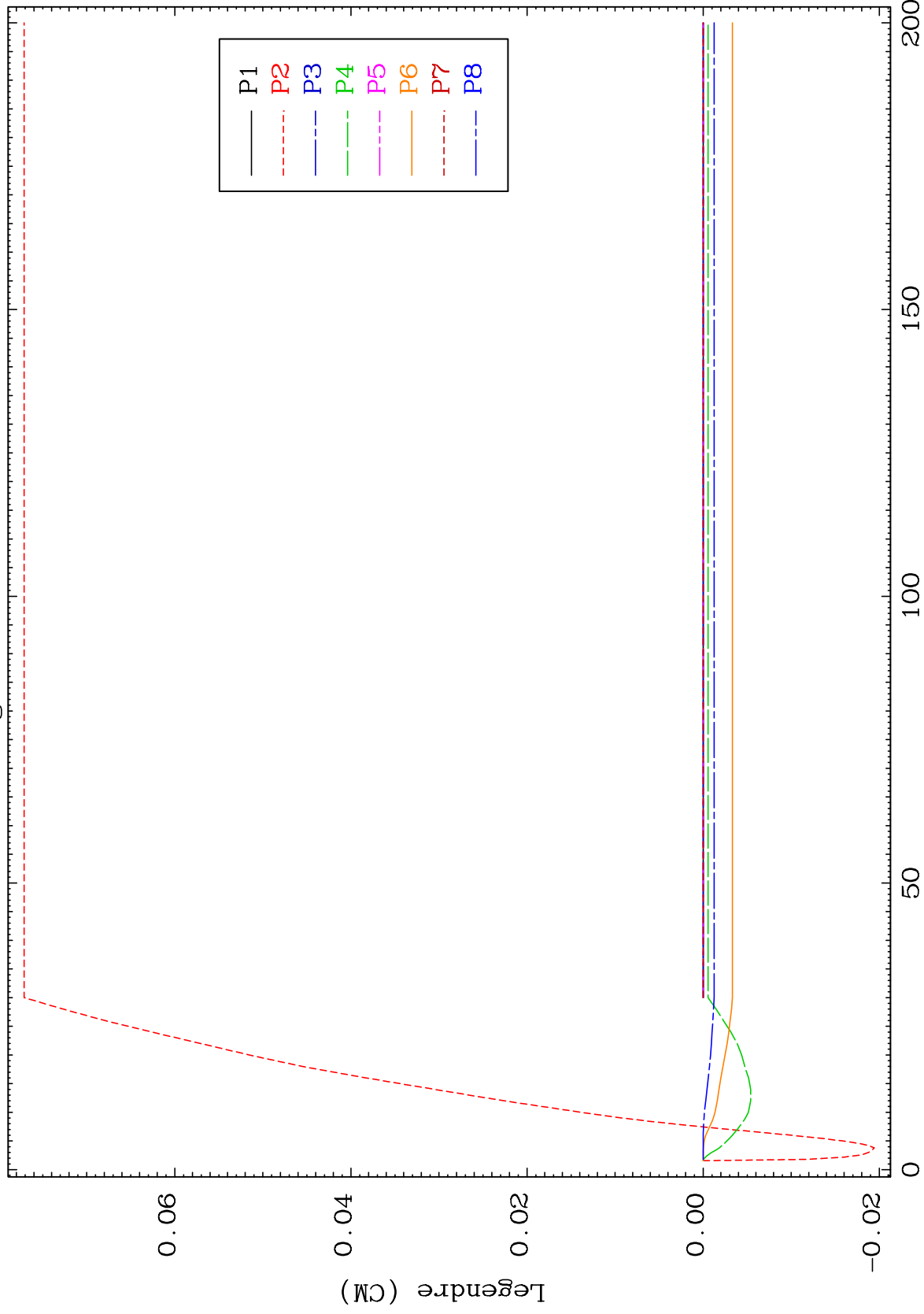
18-Ar-39



MAT 1834

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

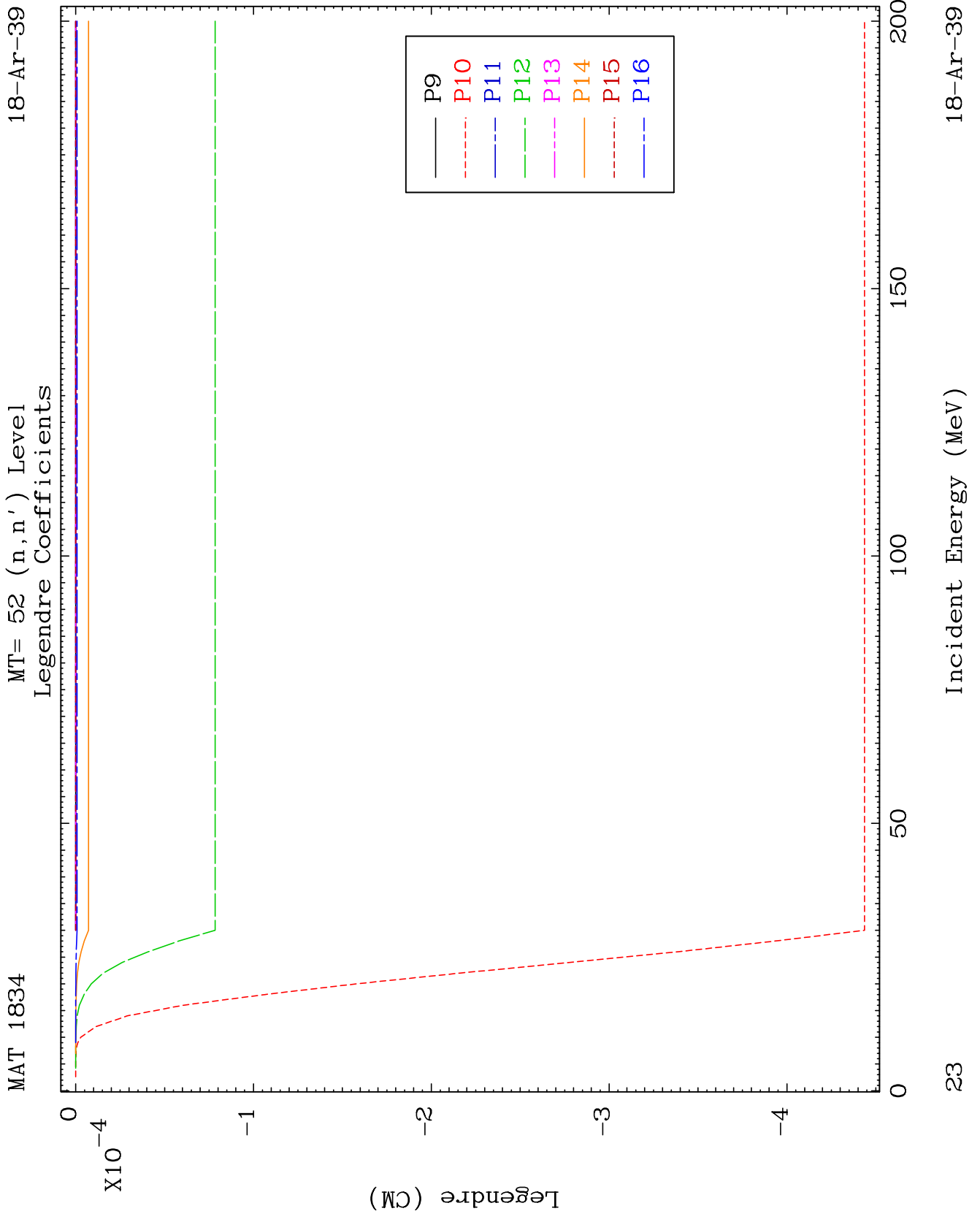
18-Ar-39

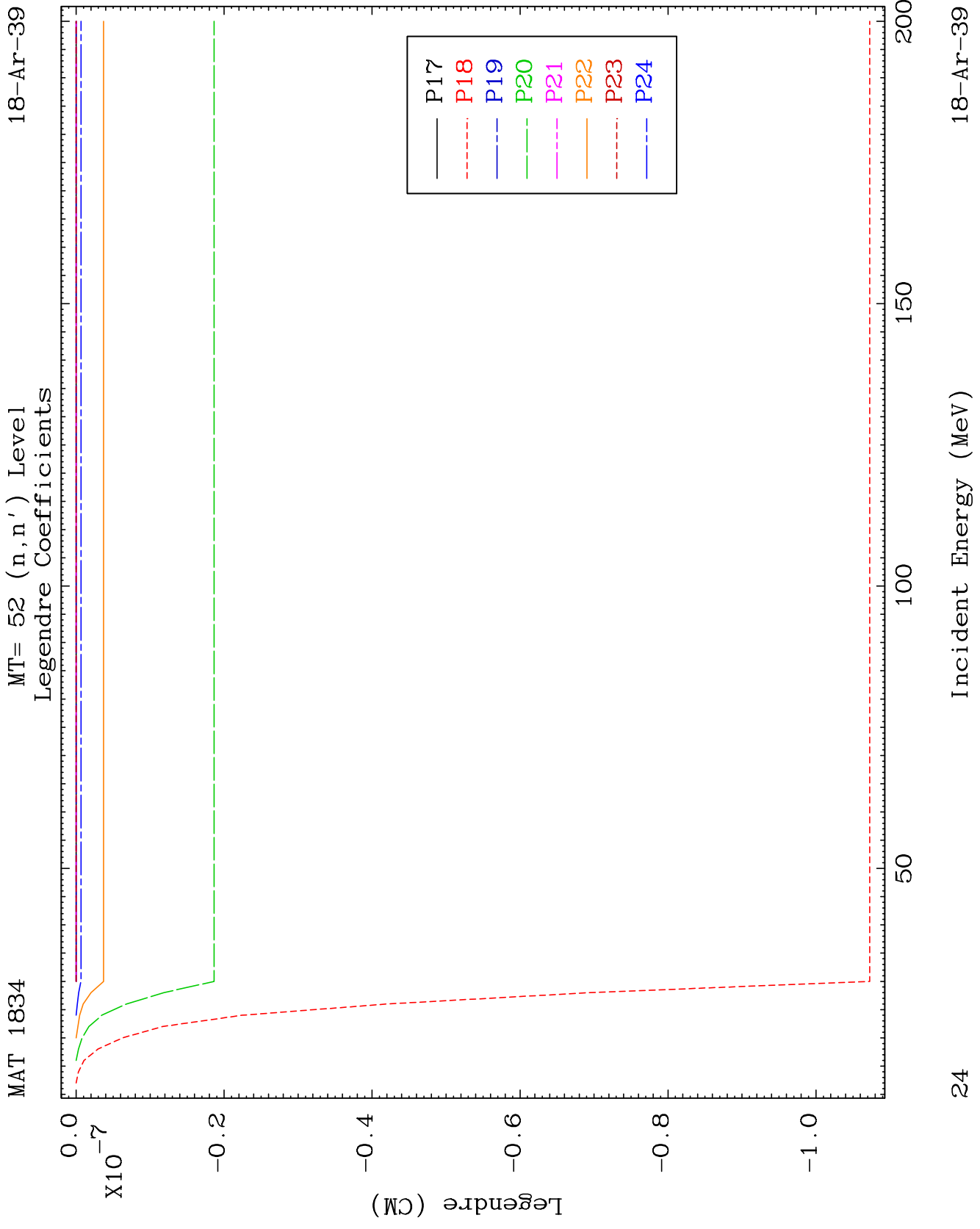


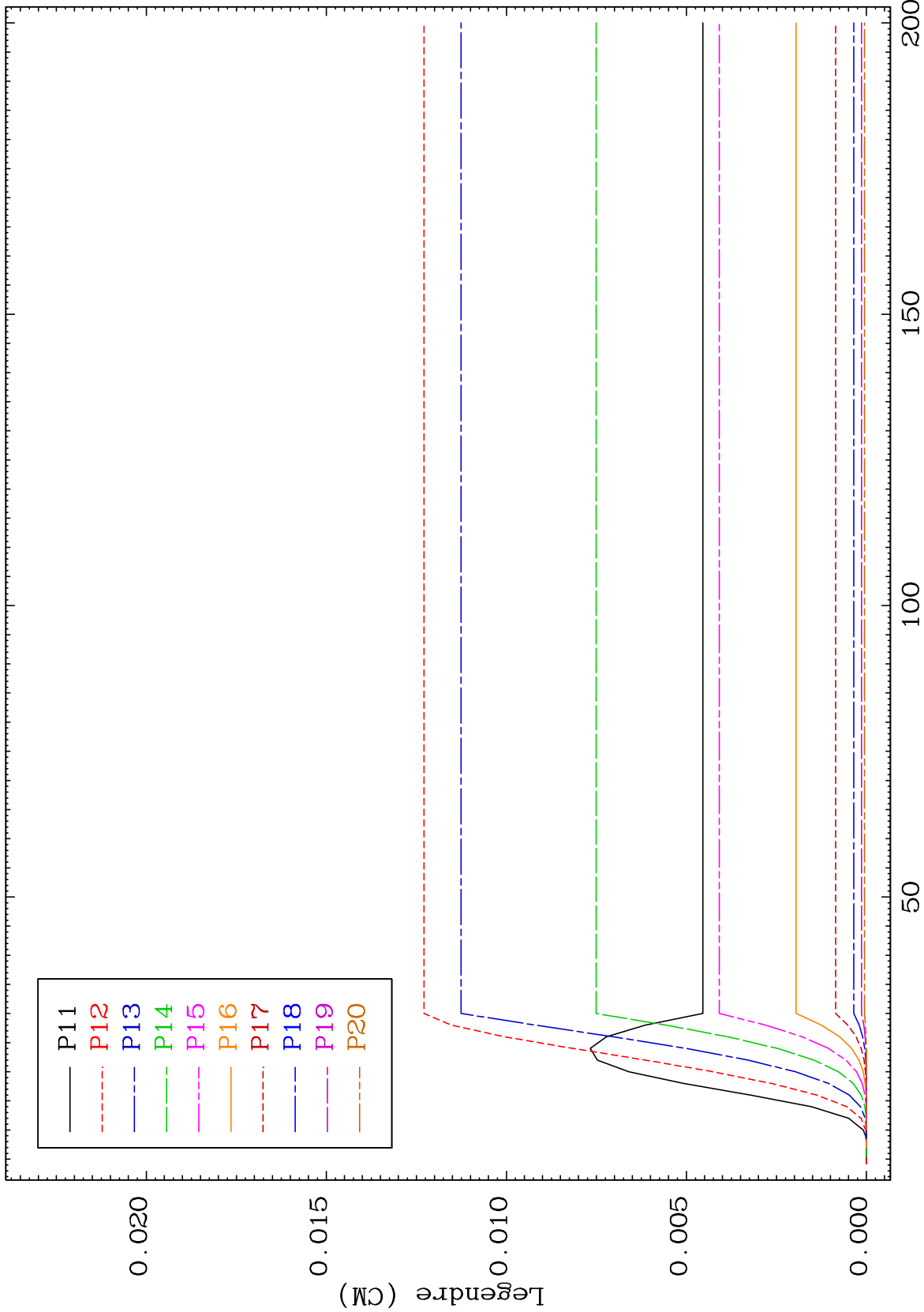
18-Ar-39

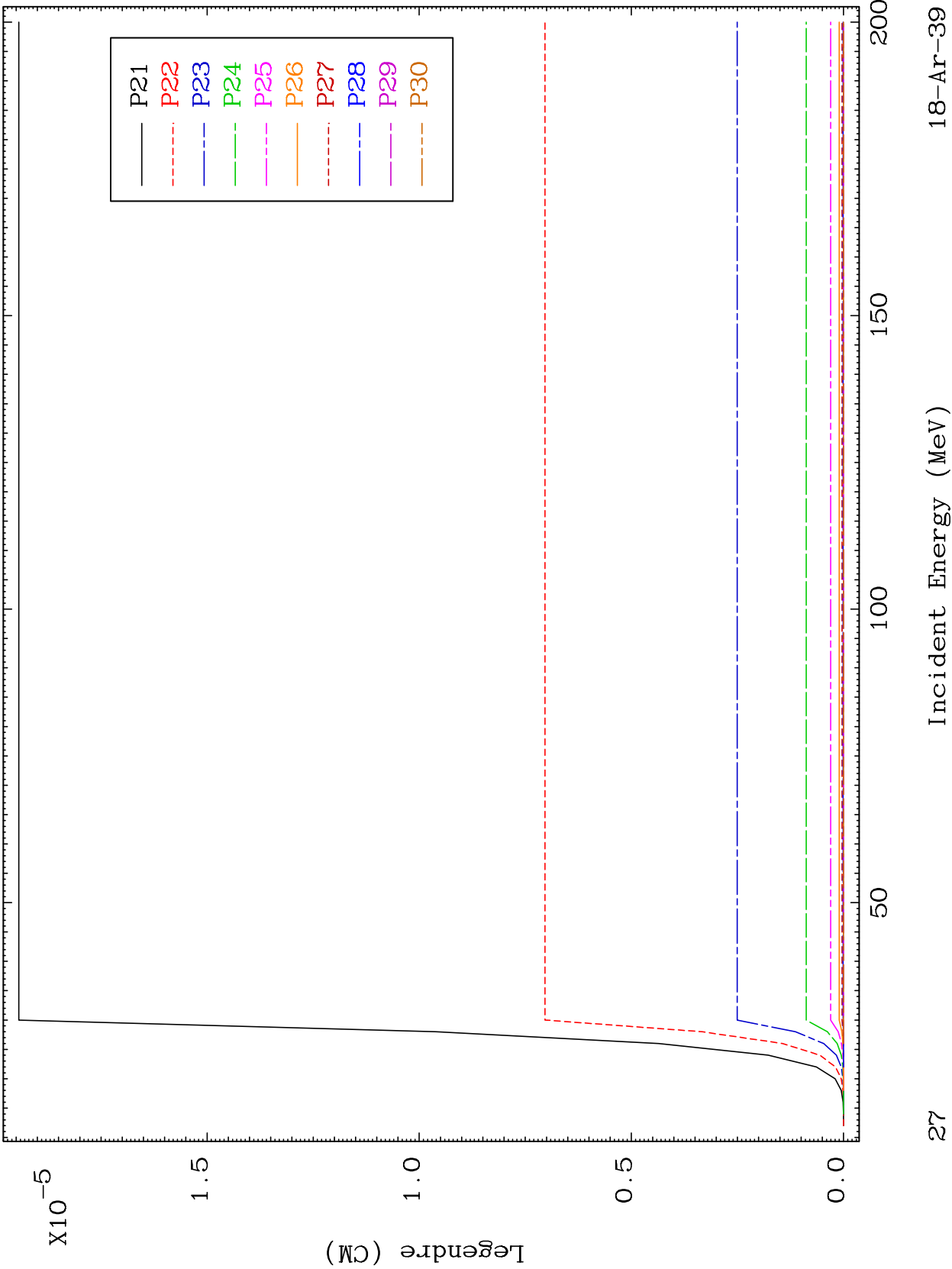
Incident Energy (MeV)

22





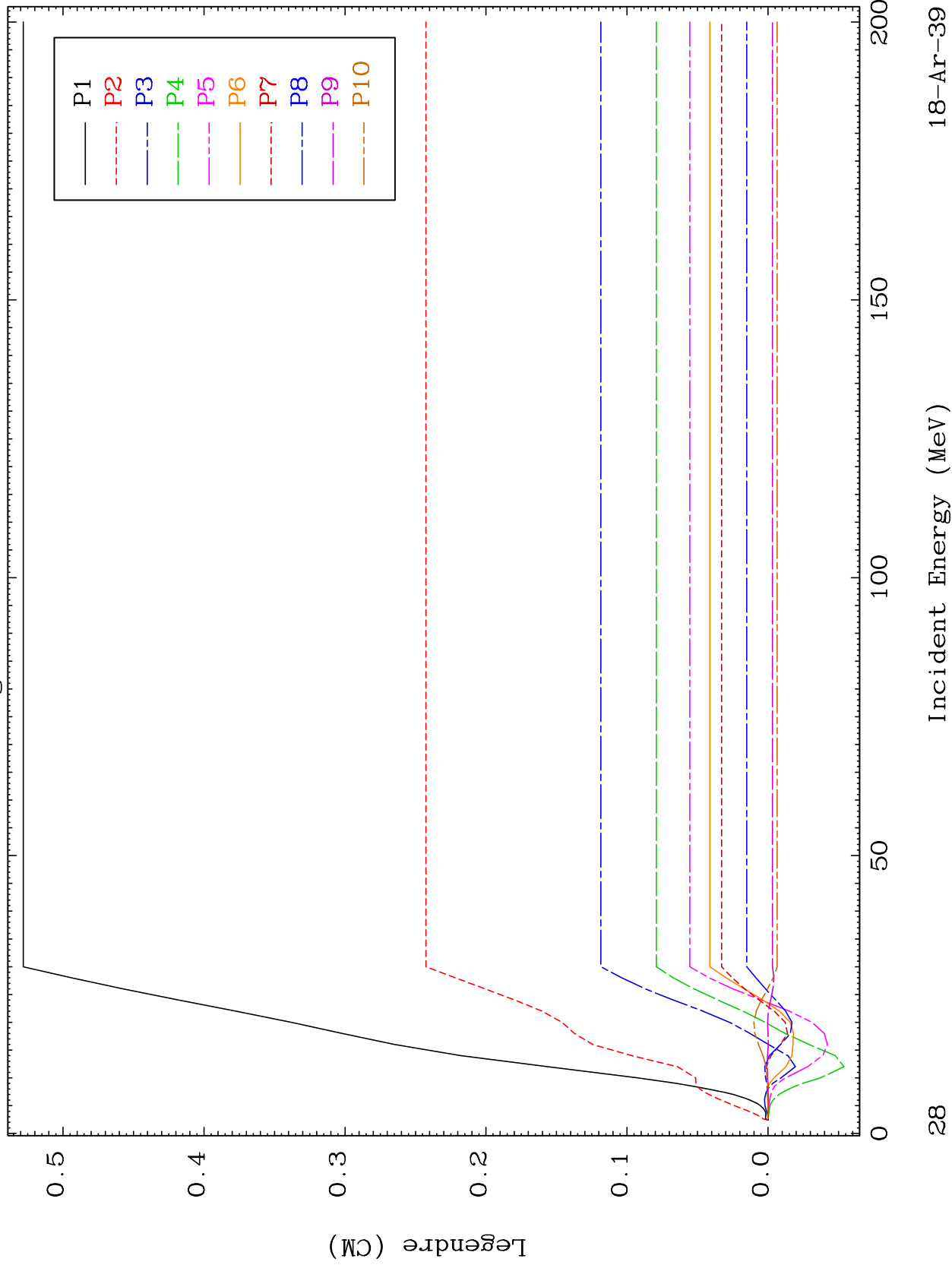


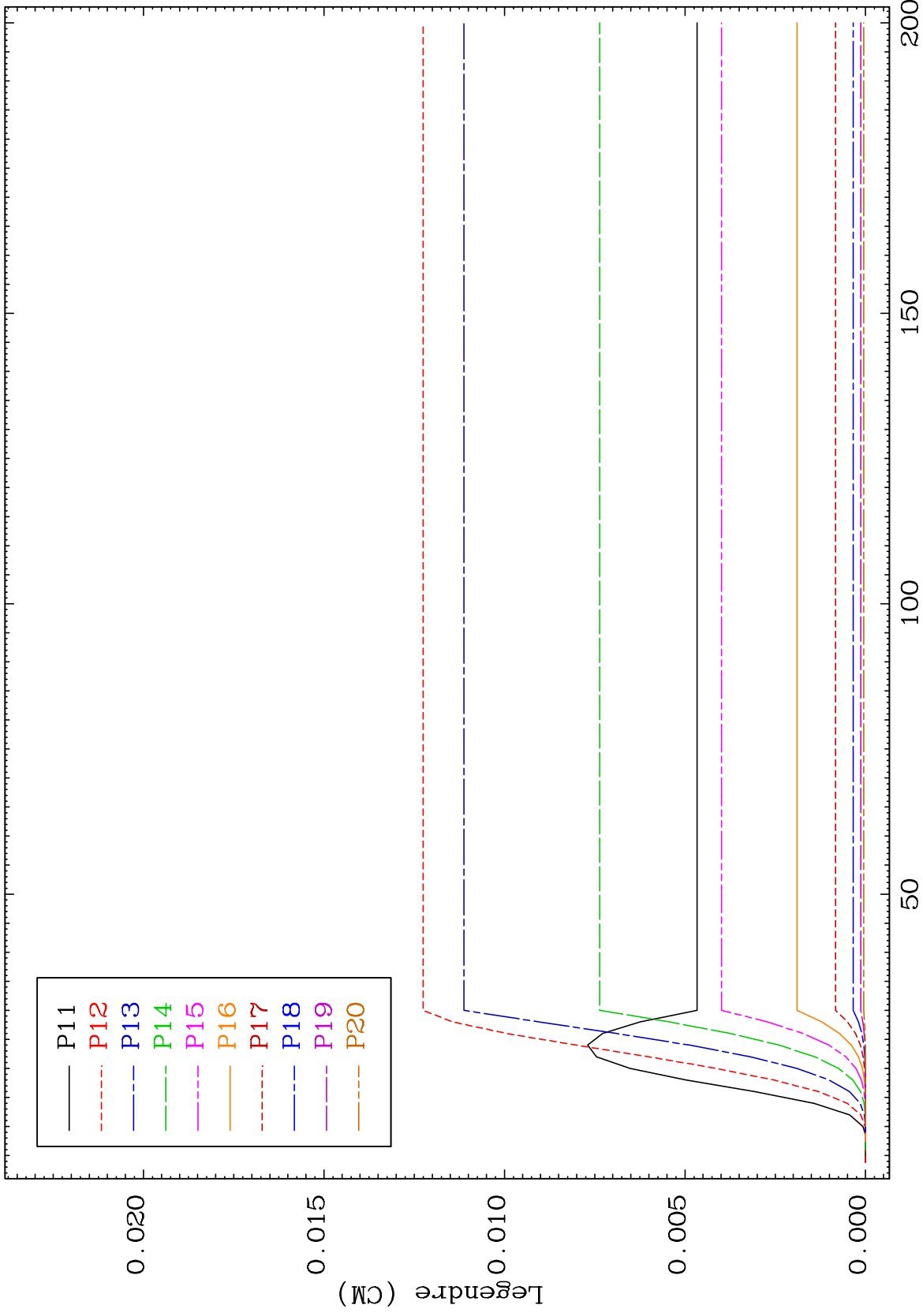


MAT 1834

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

18-Ar-39

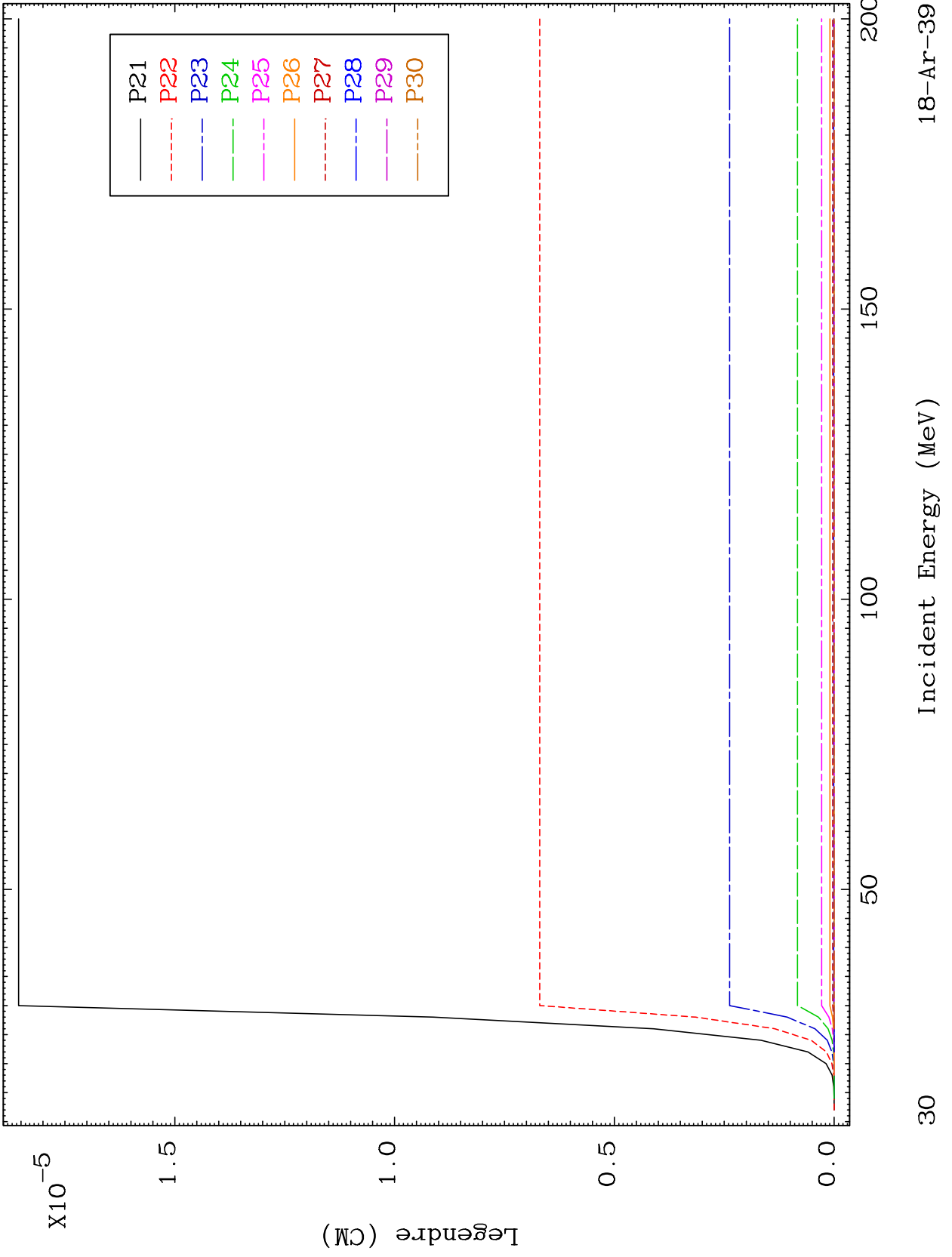




MAT 1834

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

18-Ar-39

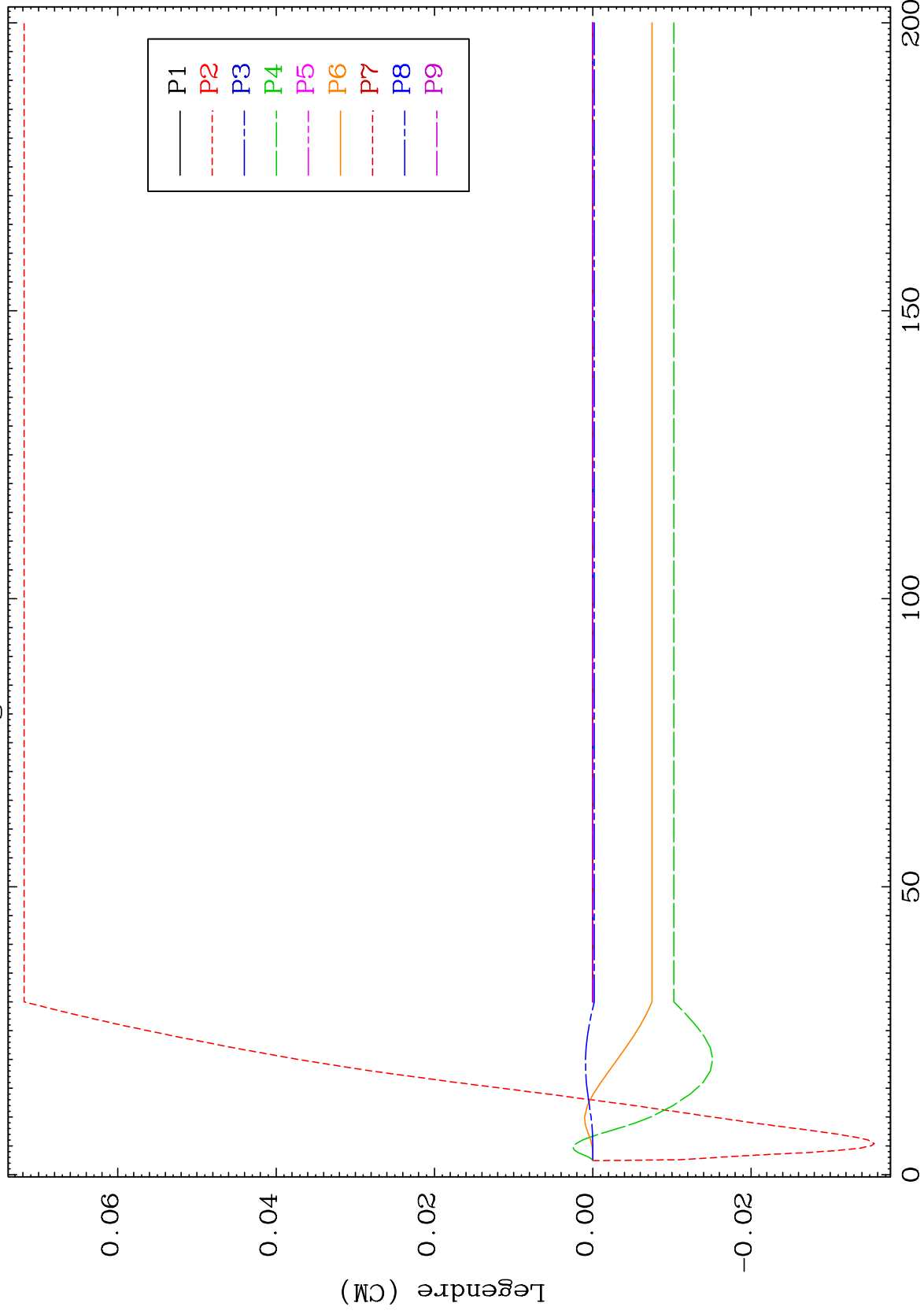


MAT 1834

MT= 55 (n,n') Level

18-Ar-39

Legendre Coefficients



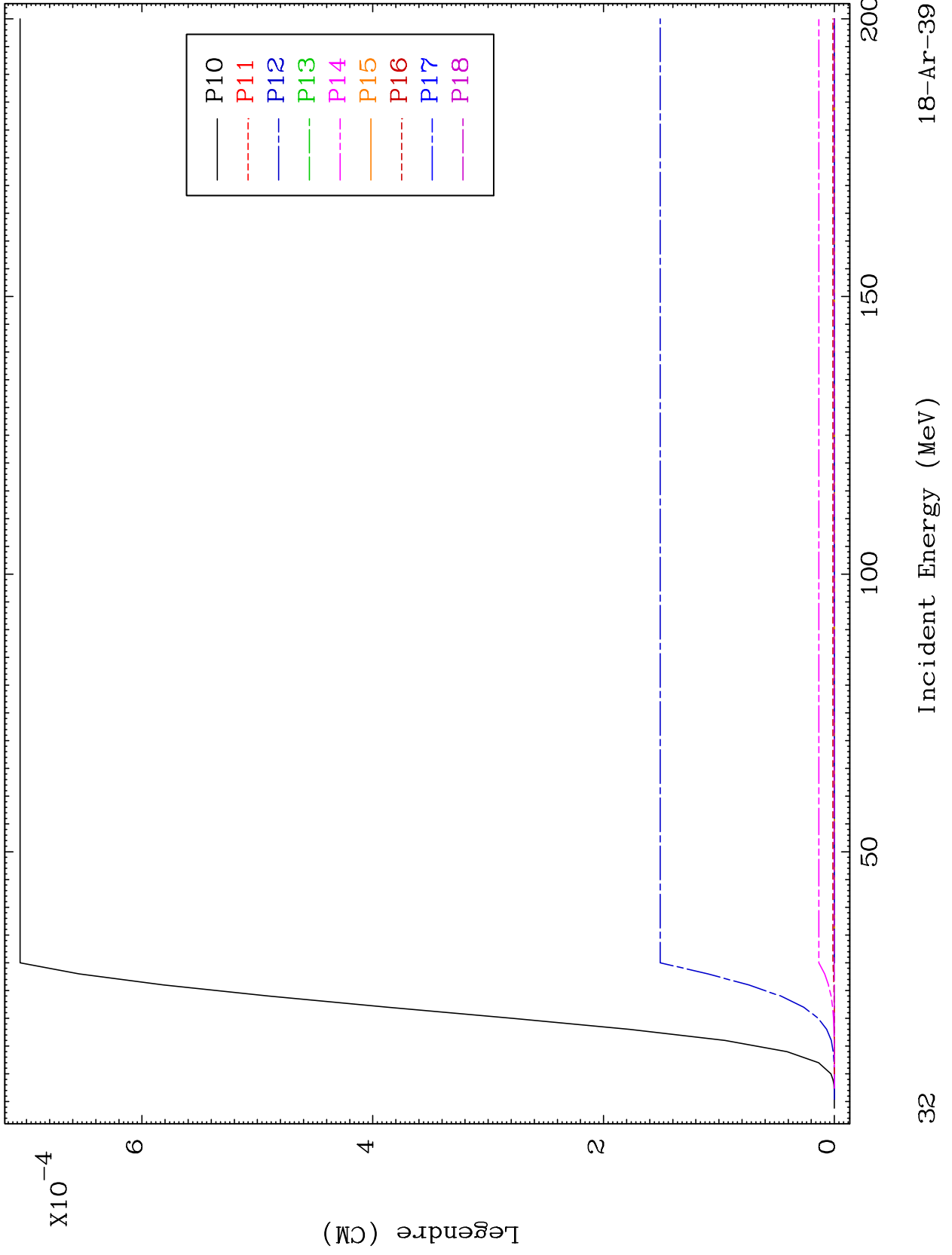
31

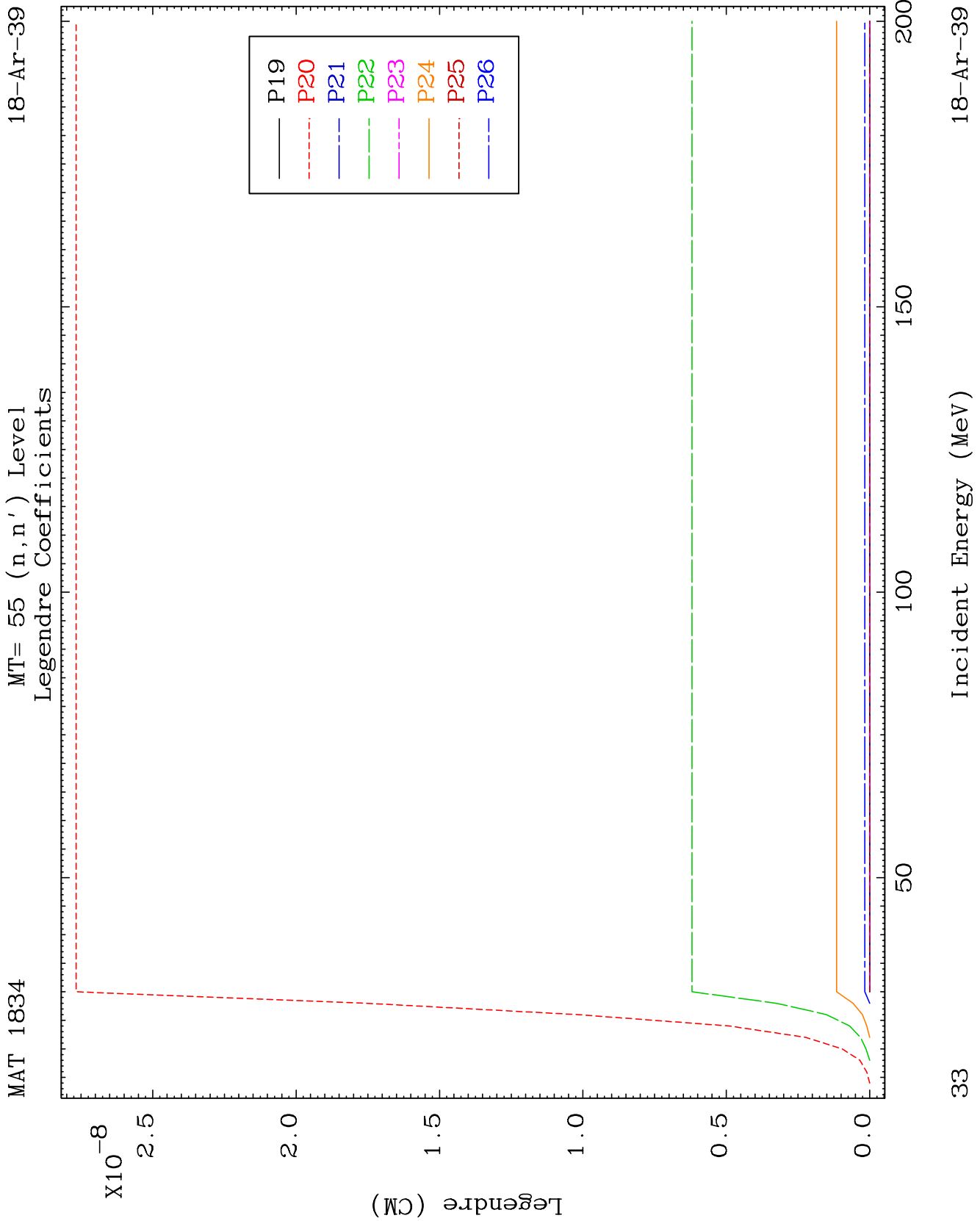
18-Ar-39

MAT 1834

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

18-Ar-39

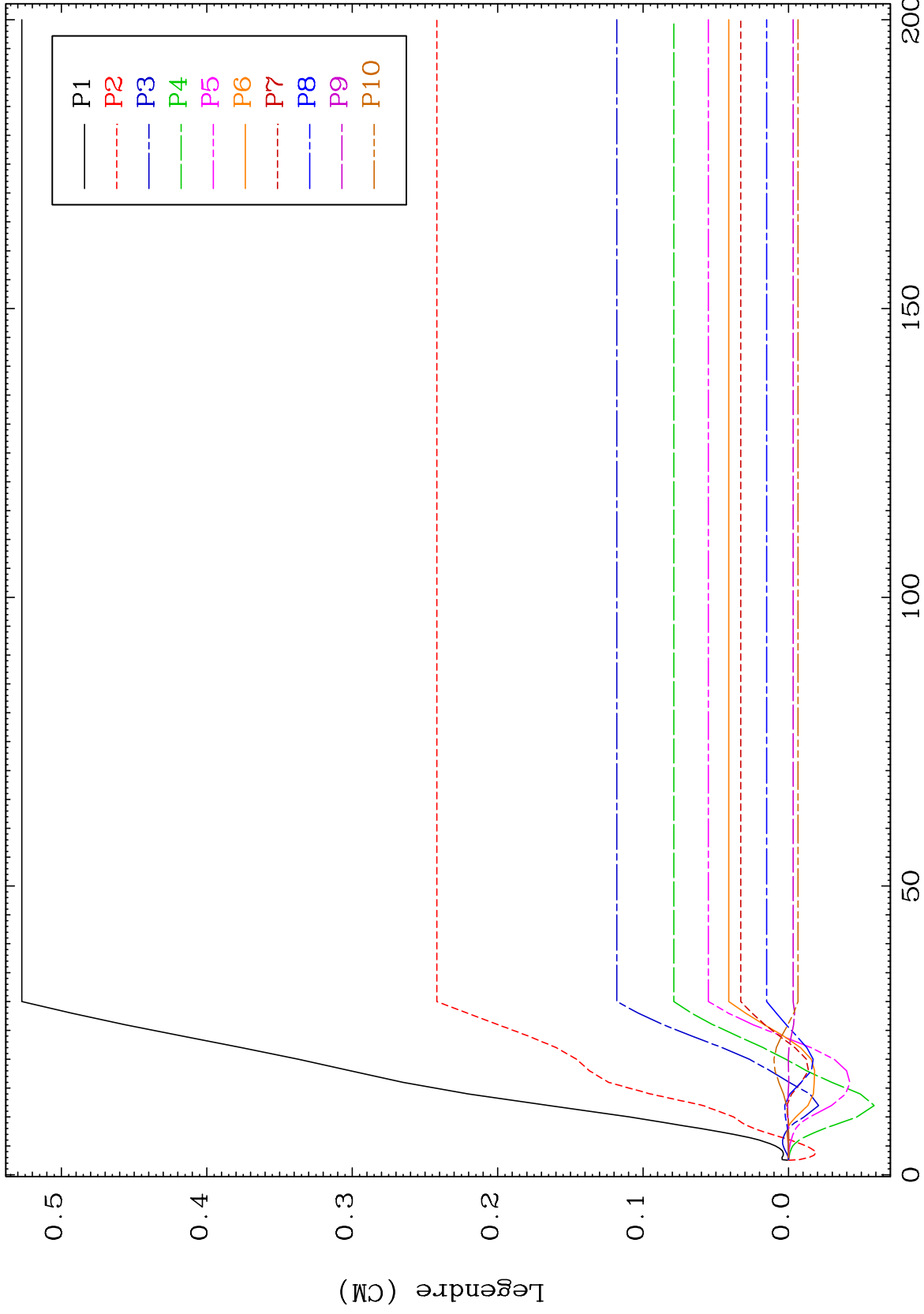




MAT 1834

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

18-Ar-39



34

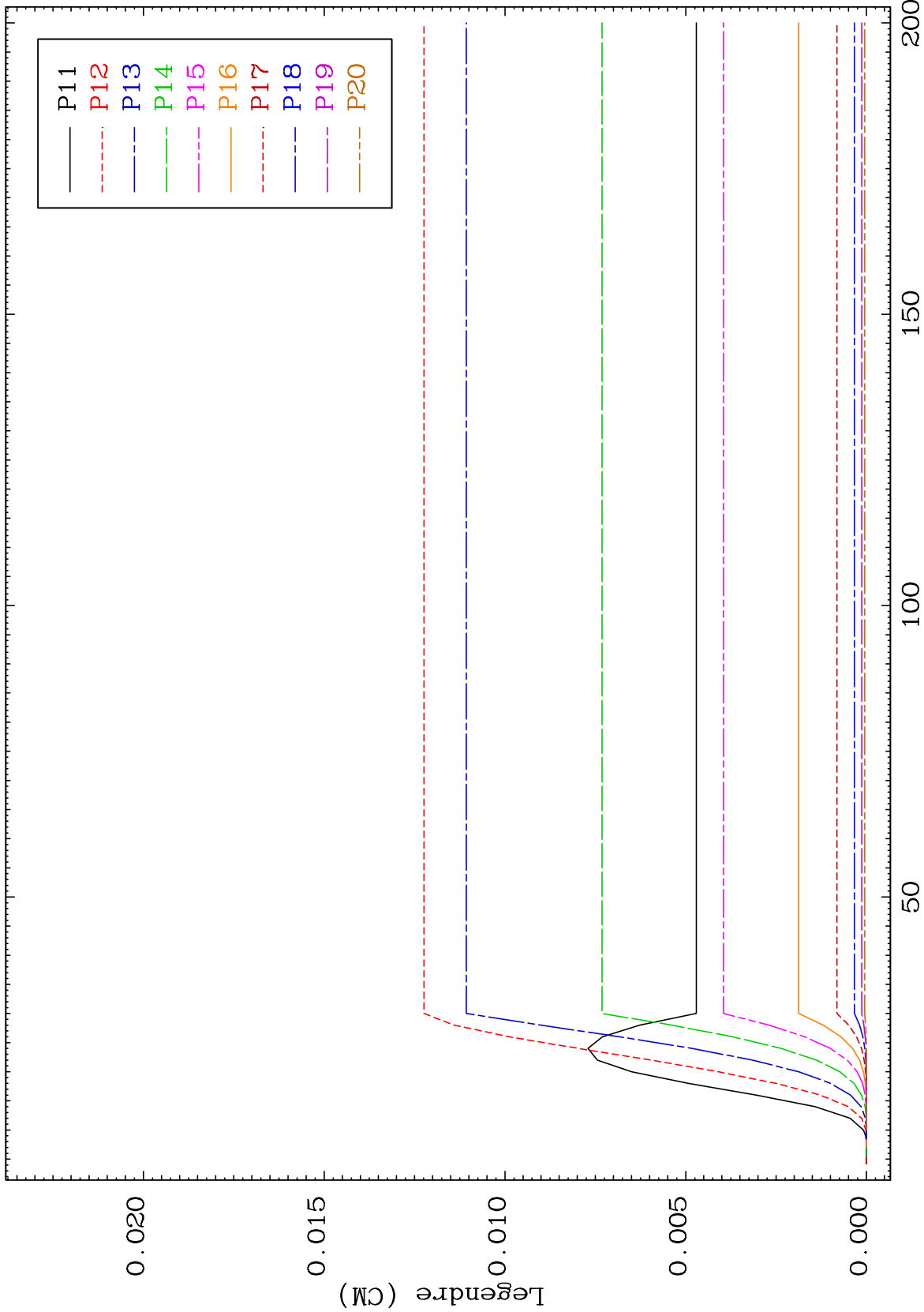
Incident Energy (MeV)

18-Ar-39

MAT 1834

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

18-Ar-39



35

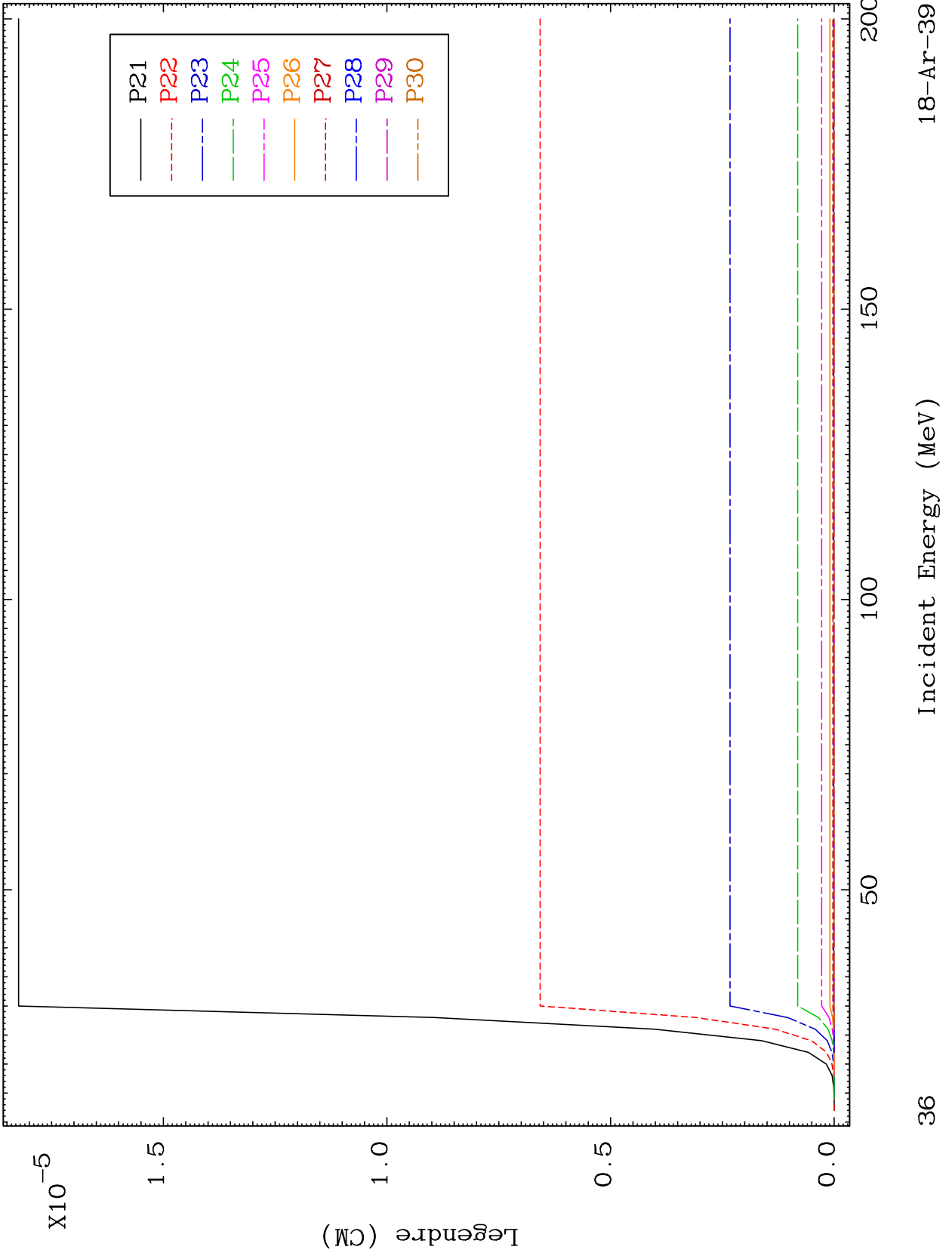
Incident Energy (MeV)

18-Ar-39

MAT 1834

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

18-Ar-39



36

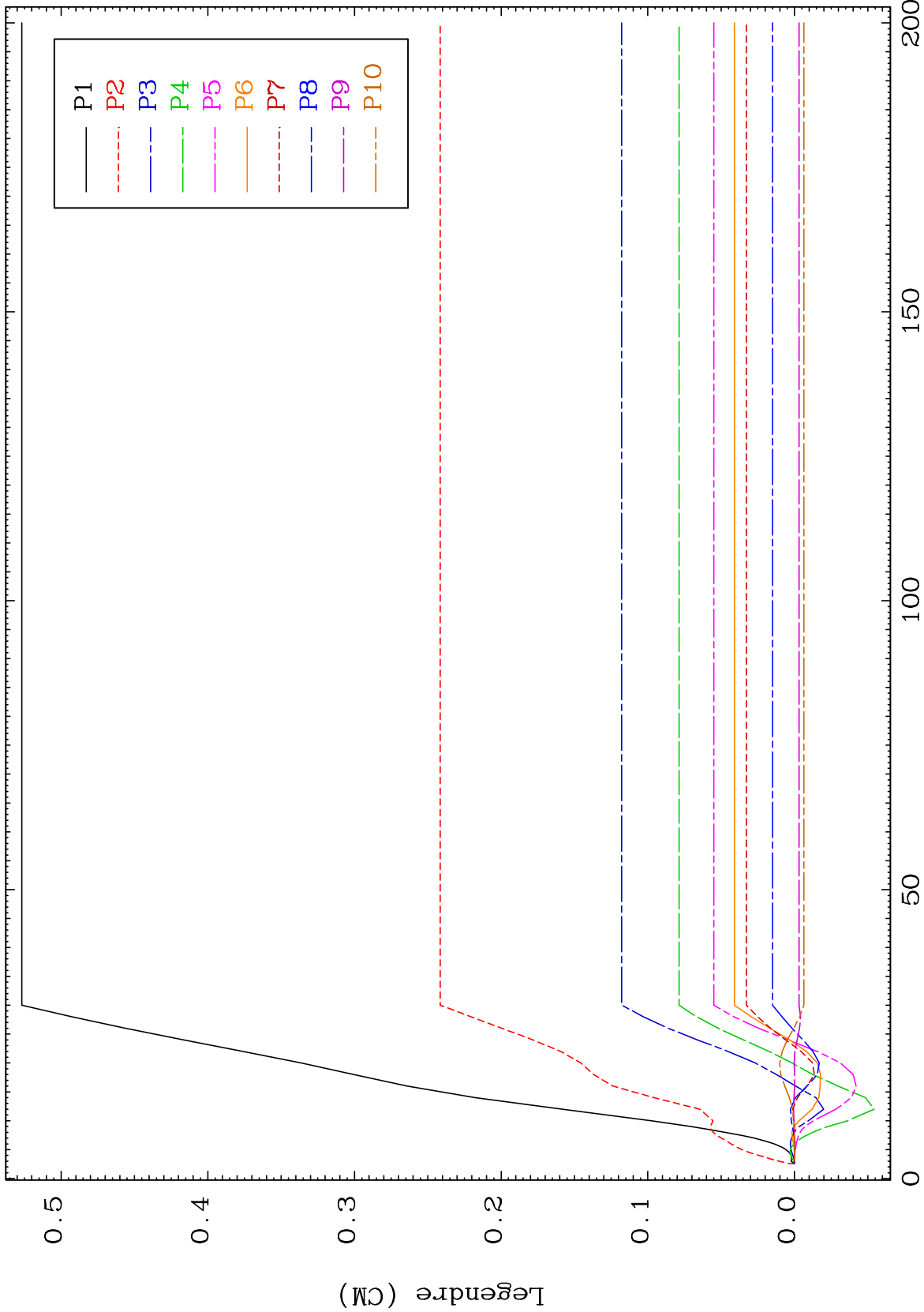
Incident Energy (MeV)

18-Ar-39

MAT 1834

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

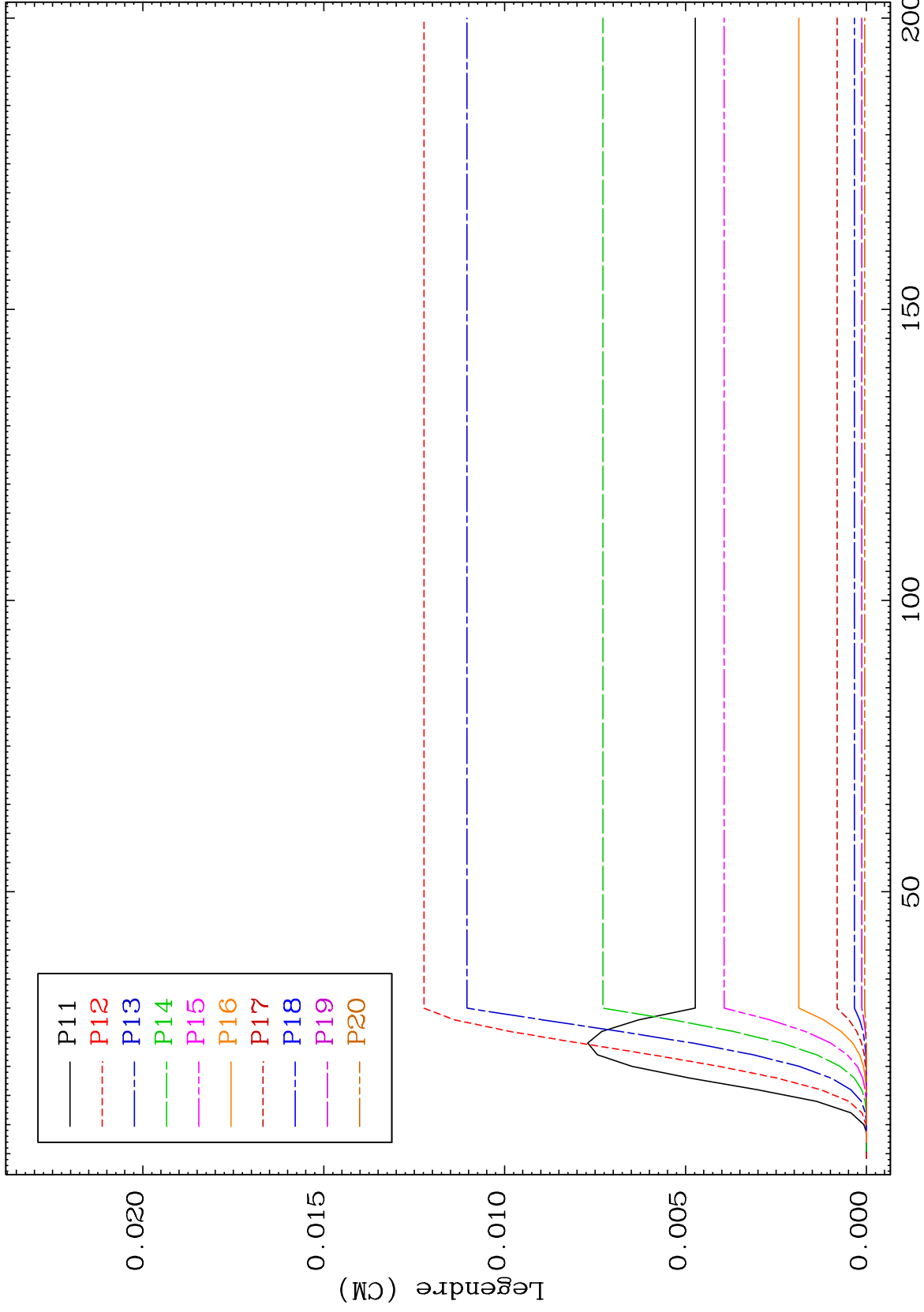
18-Ar-39



37

Incident Energy (MeV)

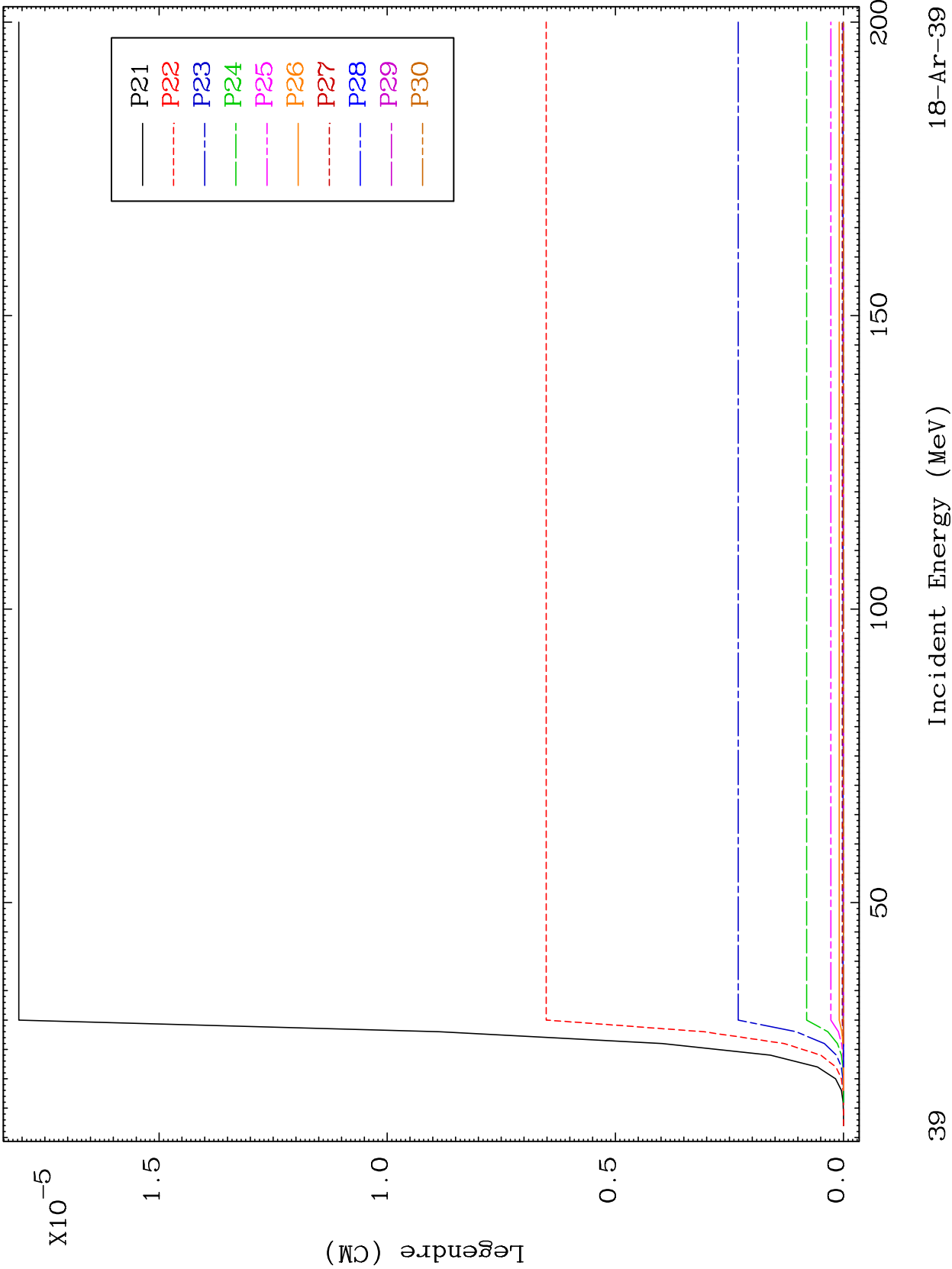
18-Ar-39



MAT 1834

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

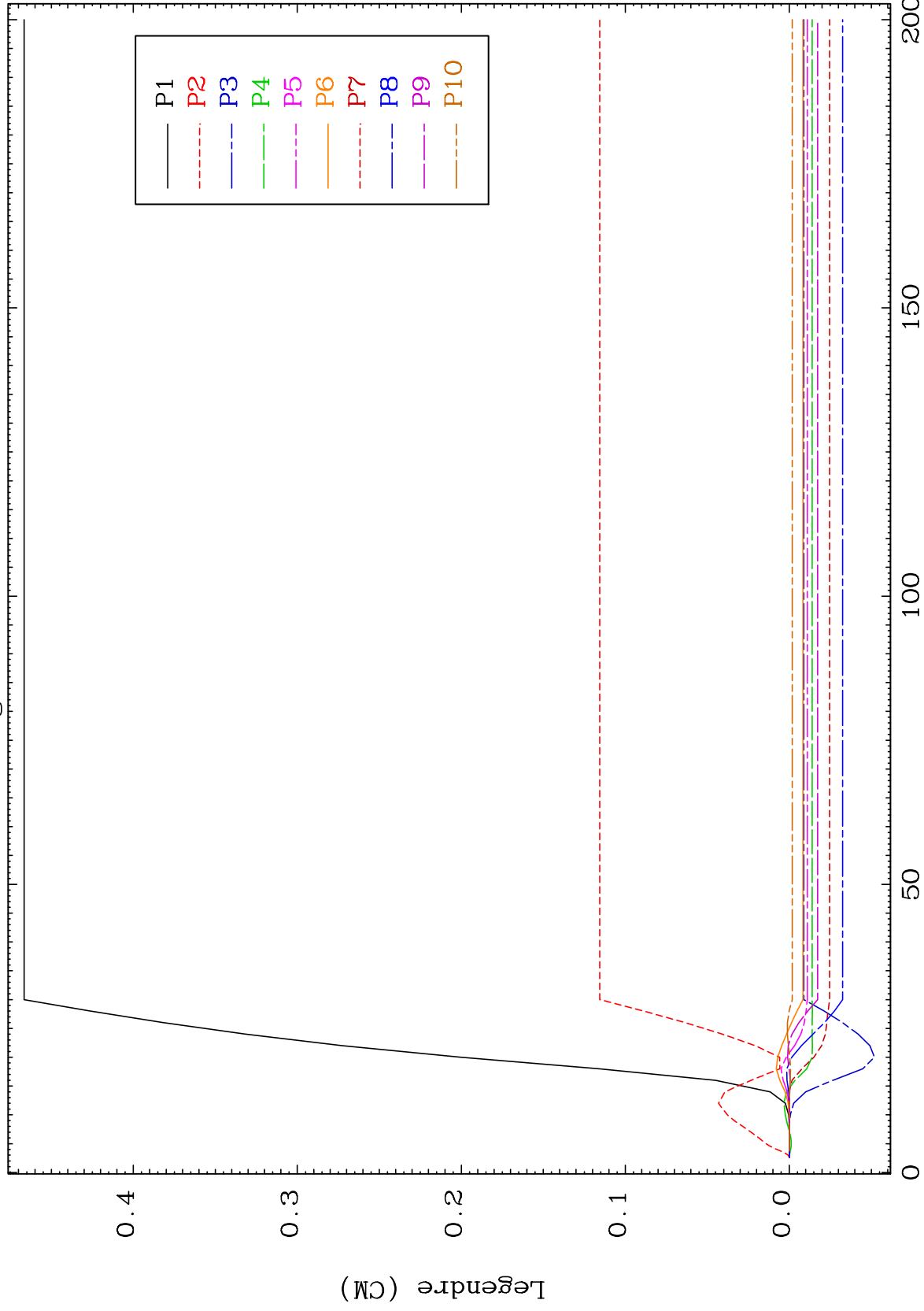
18-Ar-39



MAT 1834

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

18-Ar-39



40

Incident Energy (MeV)

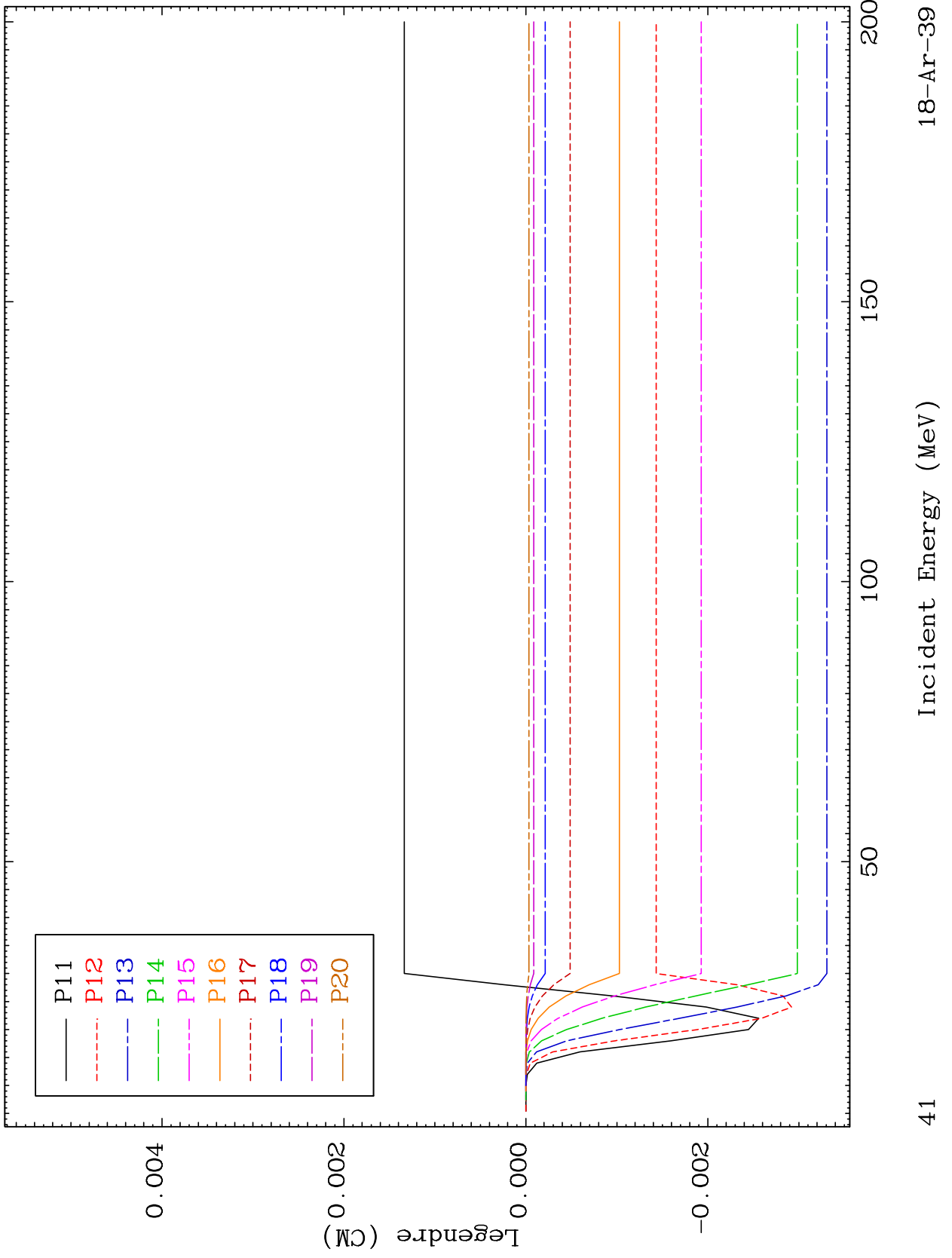
50

100

150

200

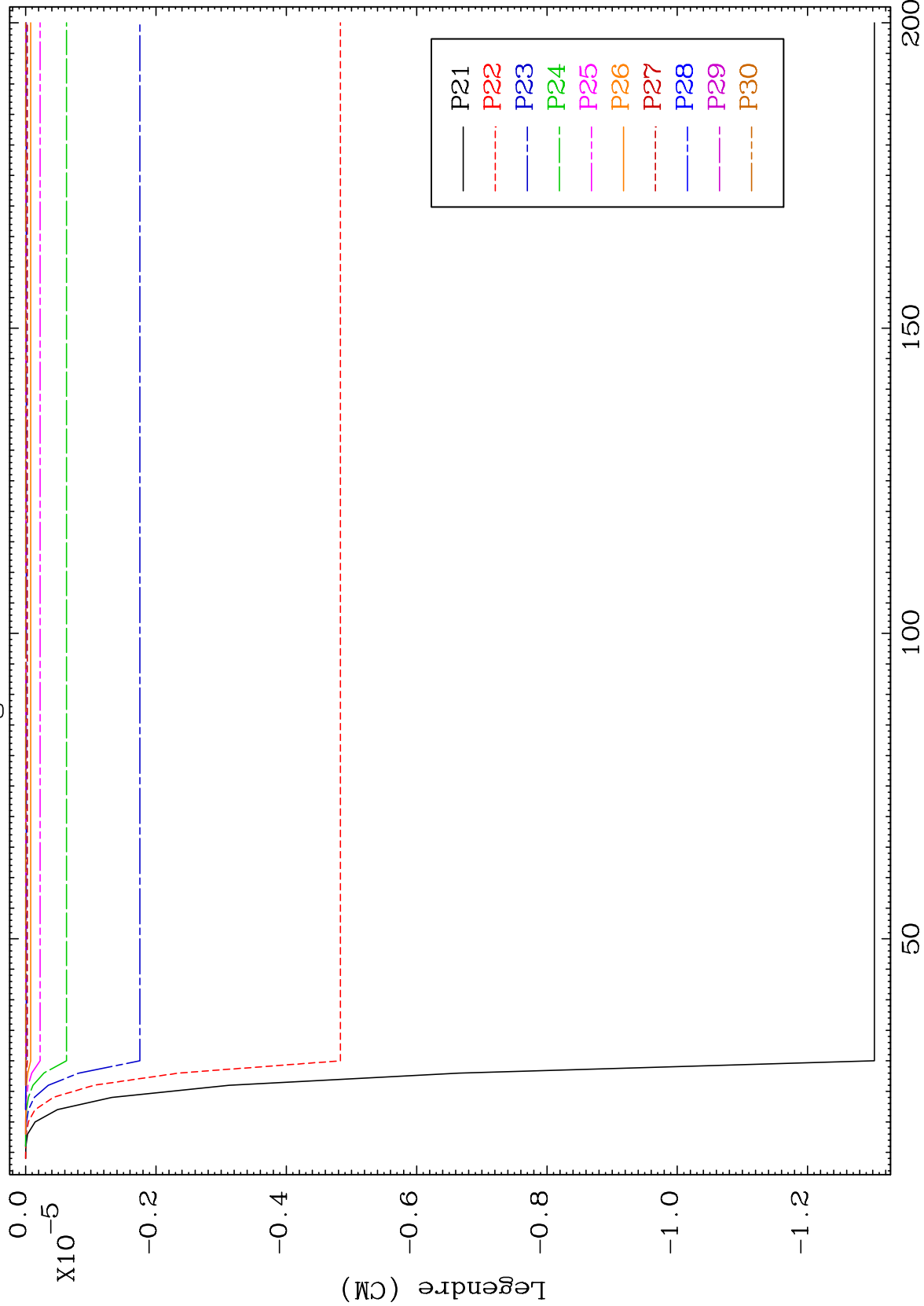
18-Ar-39



MAT 1834

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

18-Ar-39



42

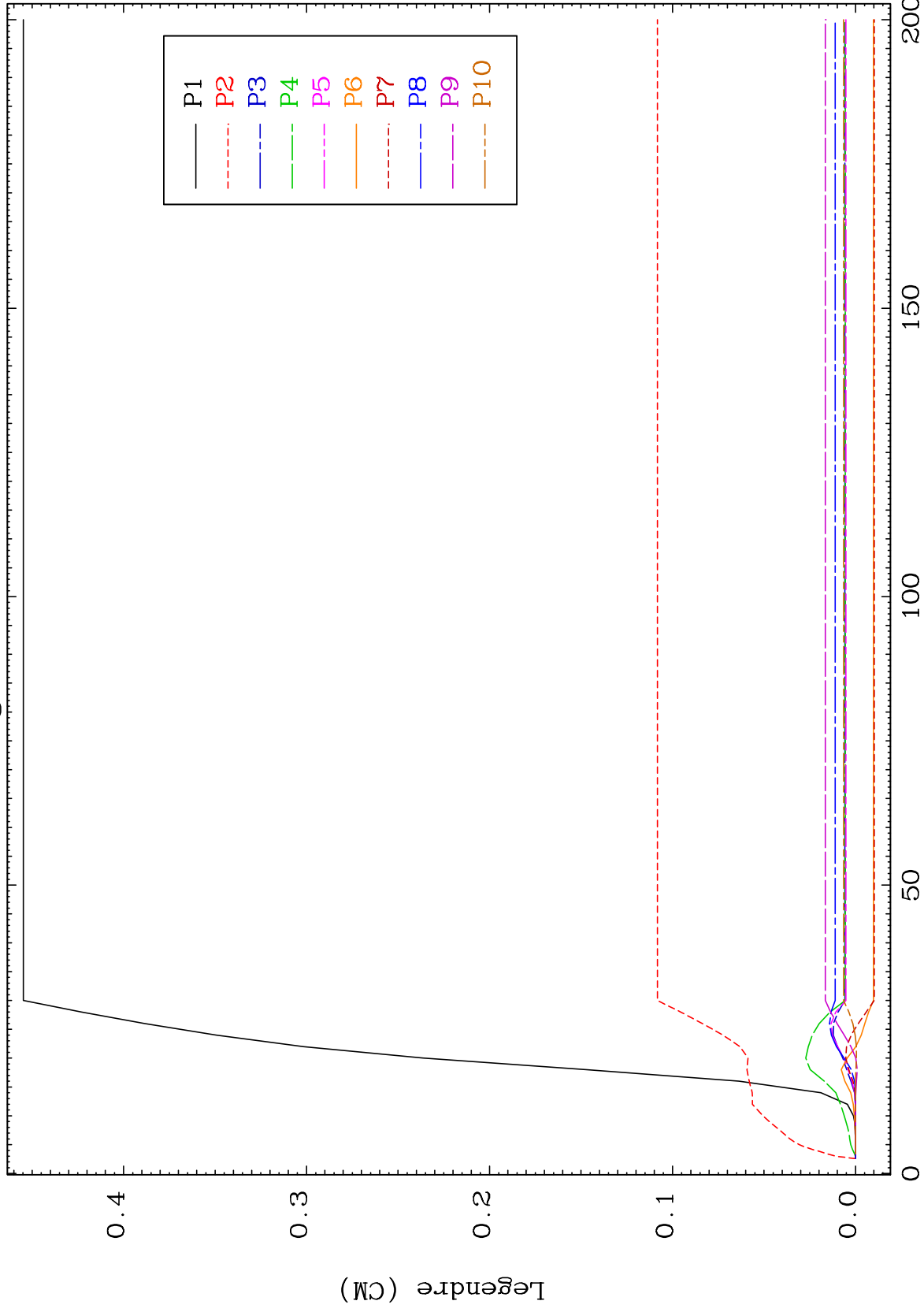
Incident Energy (MeV)

18-Ar-39

MAT 1834

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

18-Ar-39



43

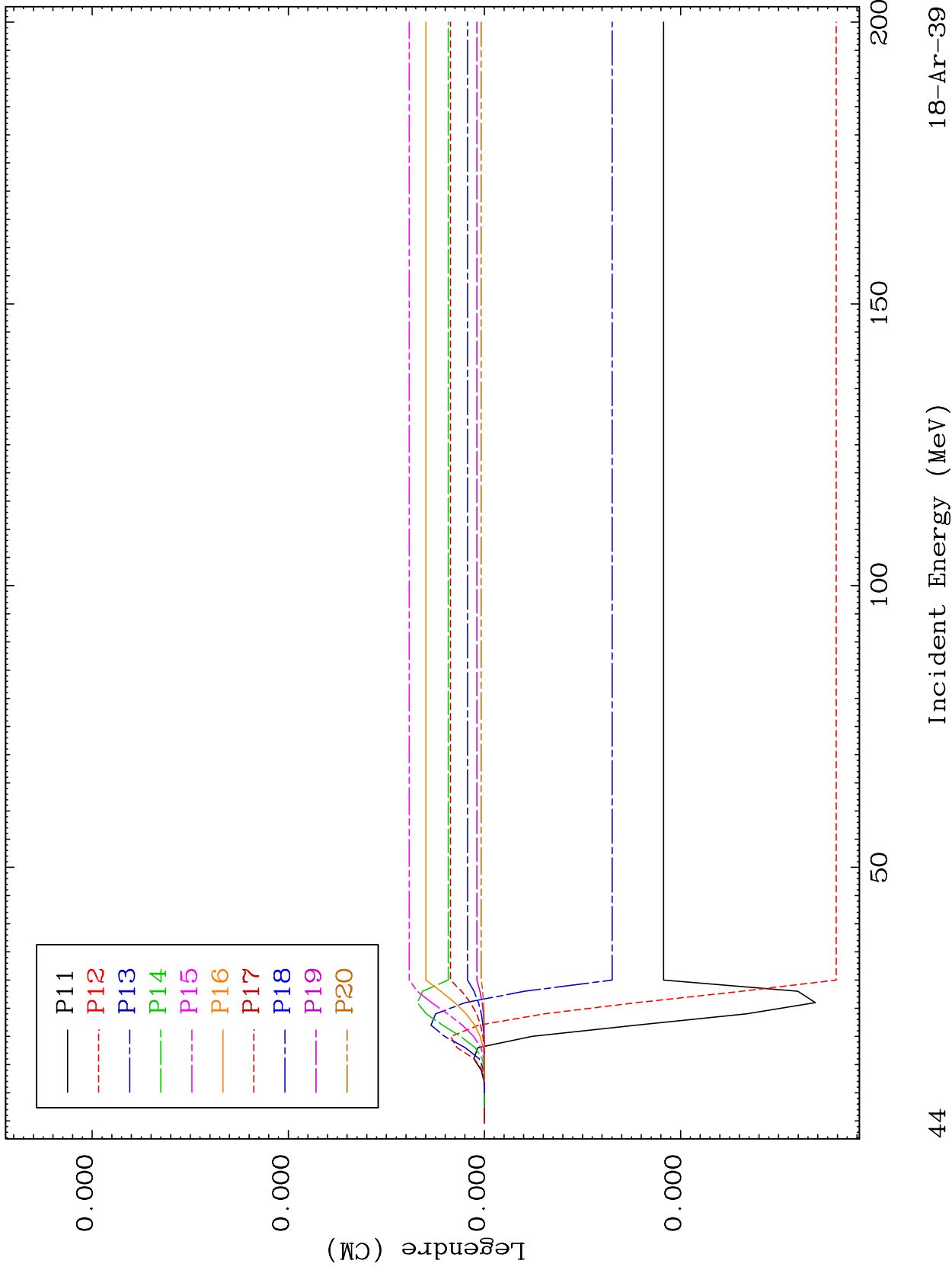
Incident Energy (MeV)

18-Ar-39

MAT 1834

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

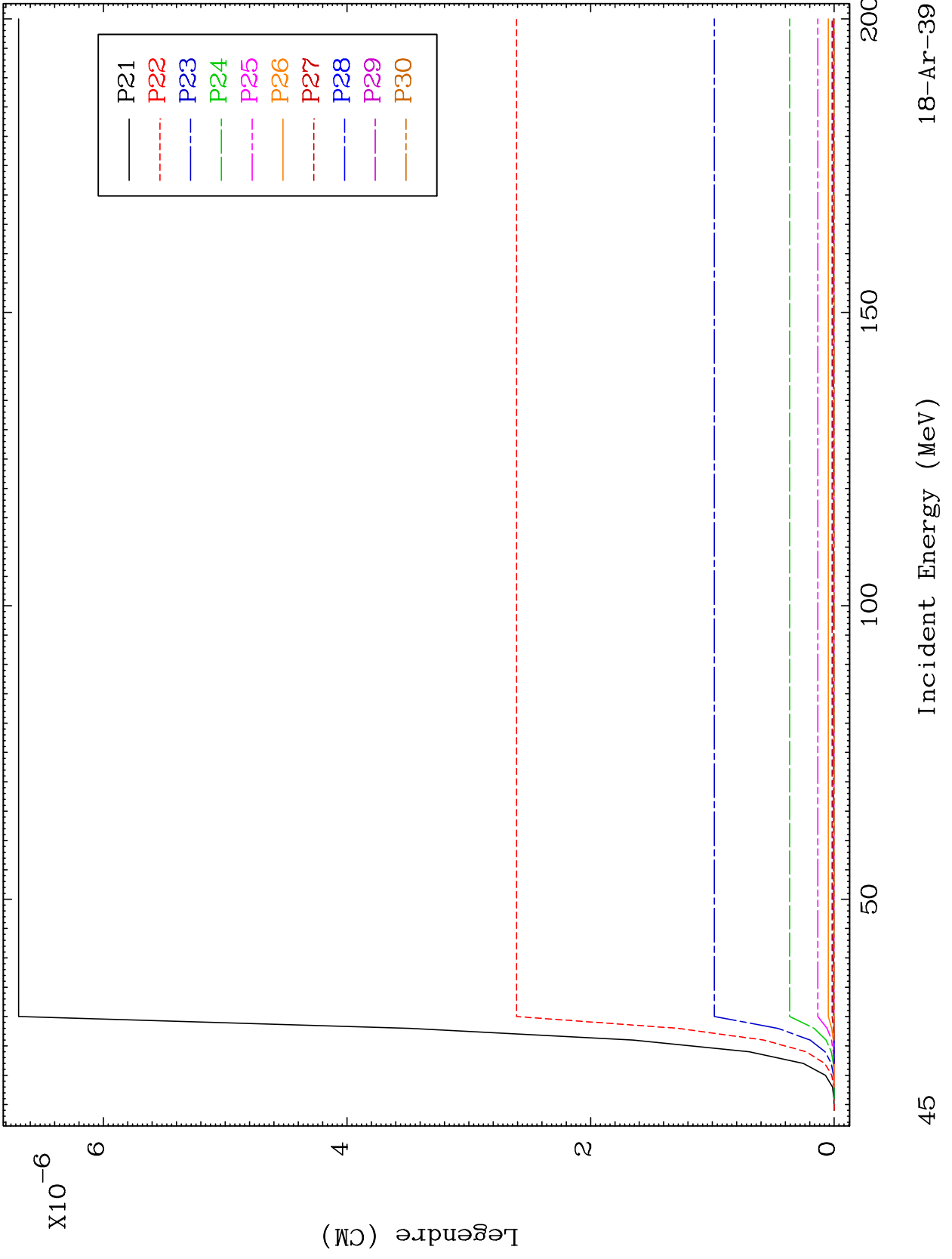
18-Ar-39

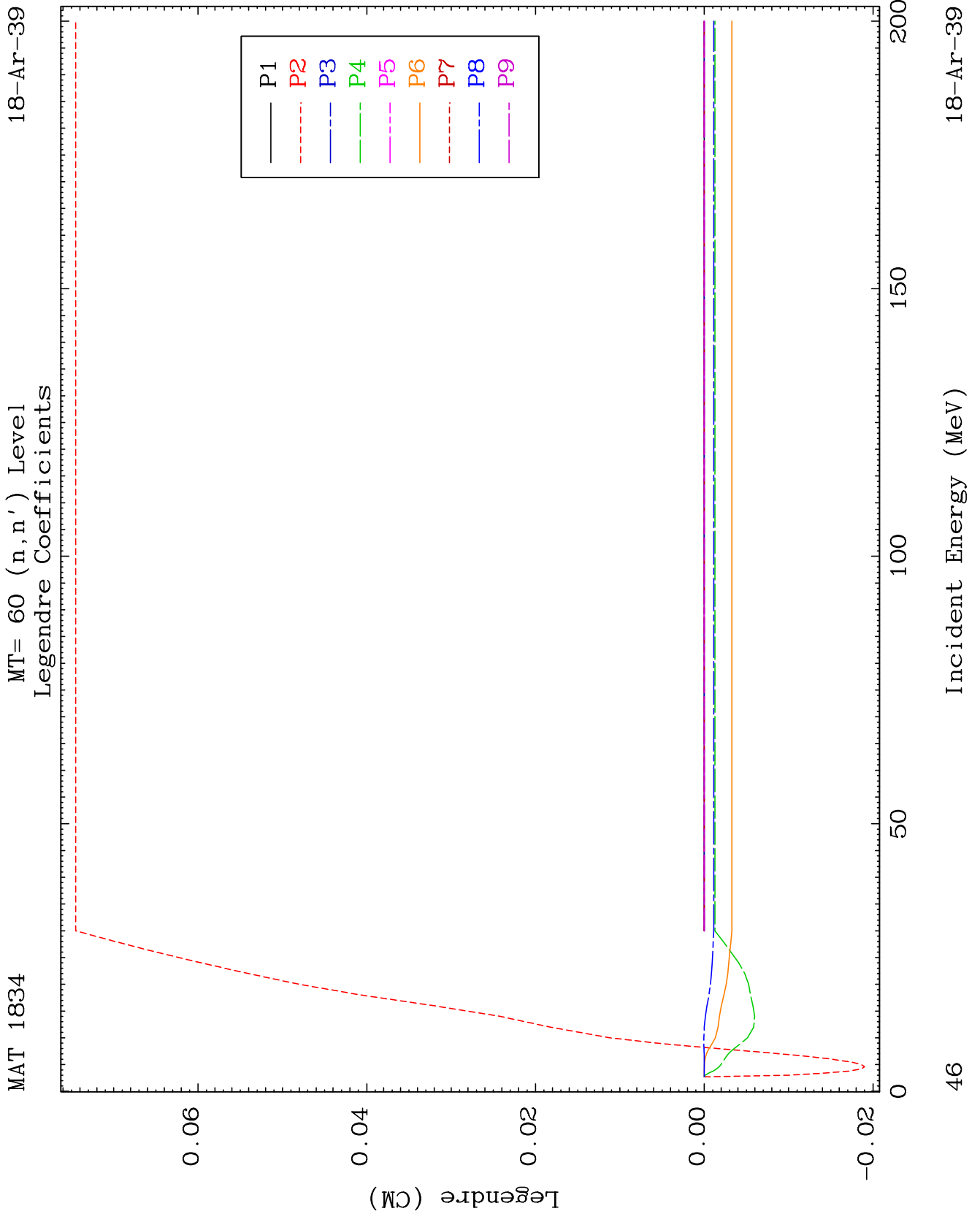


MAT 1834

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

18-Ar-39

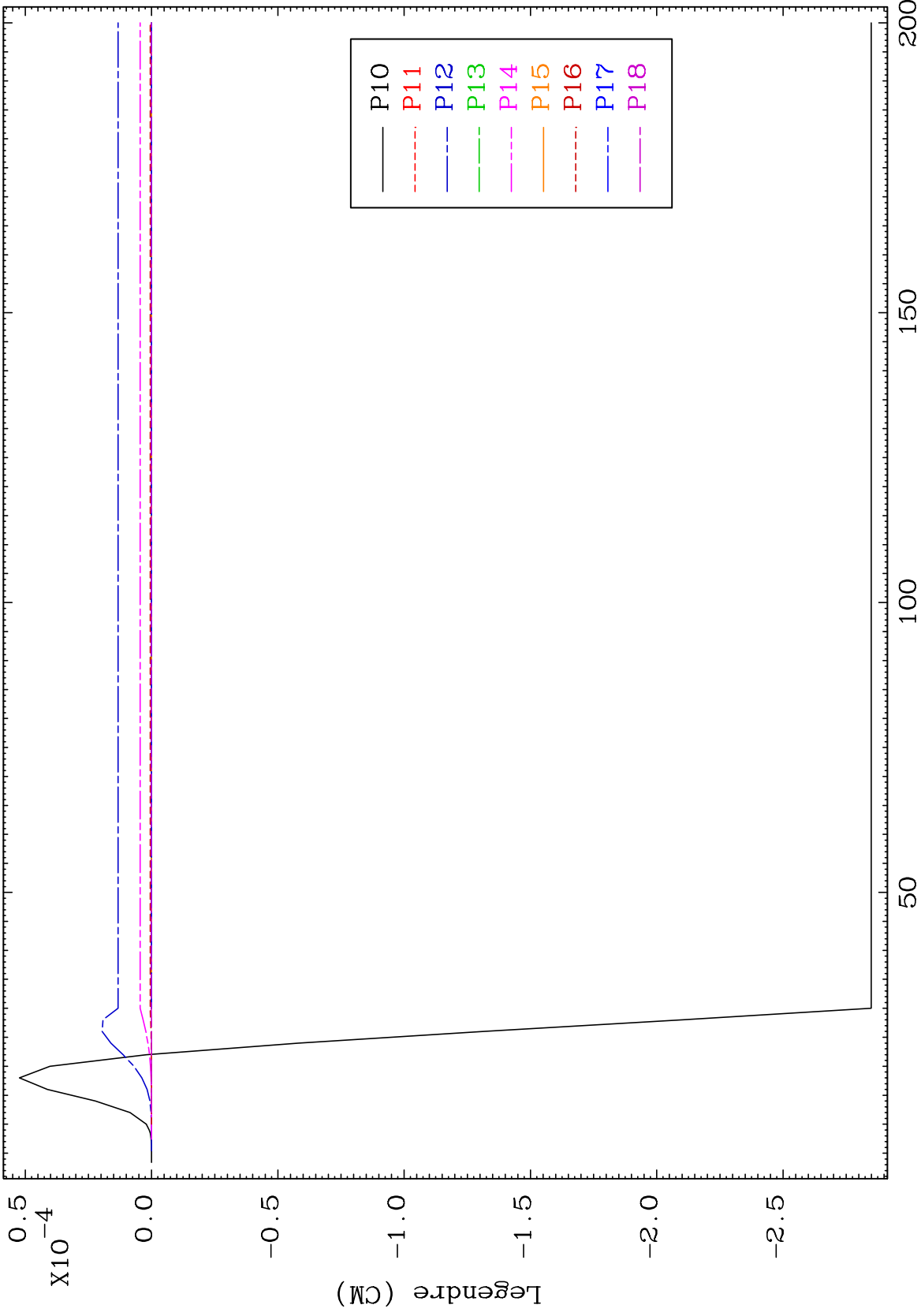




MAT 1834

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

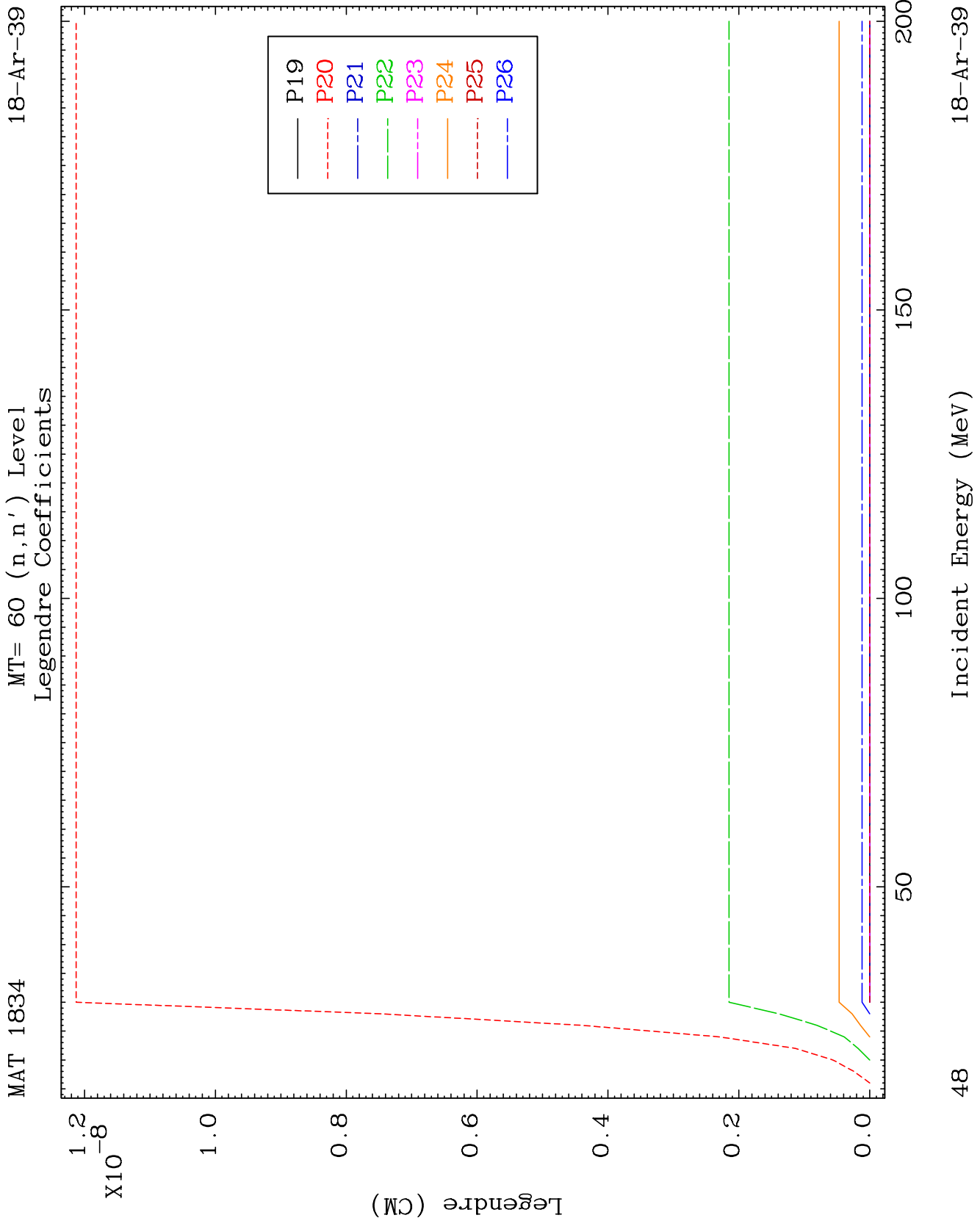
18-Ar-39



47

Incident Energy (MeV)

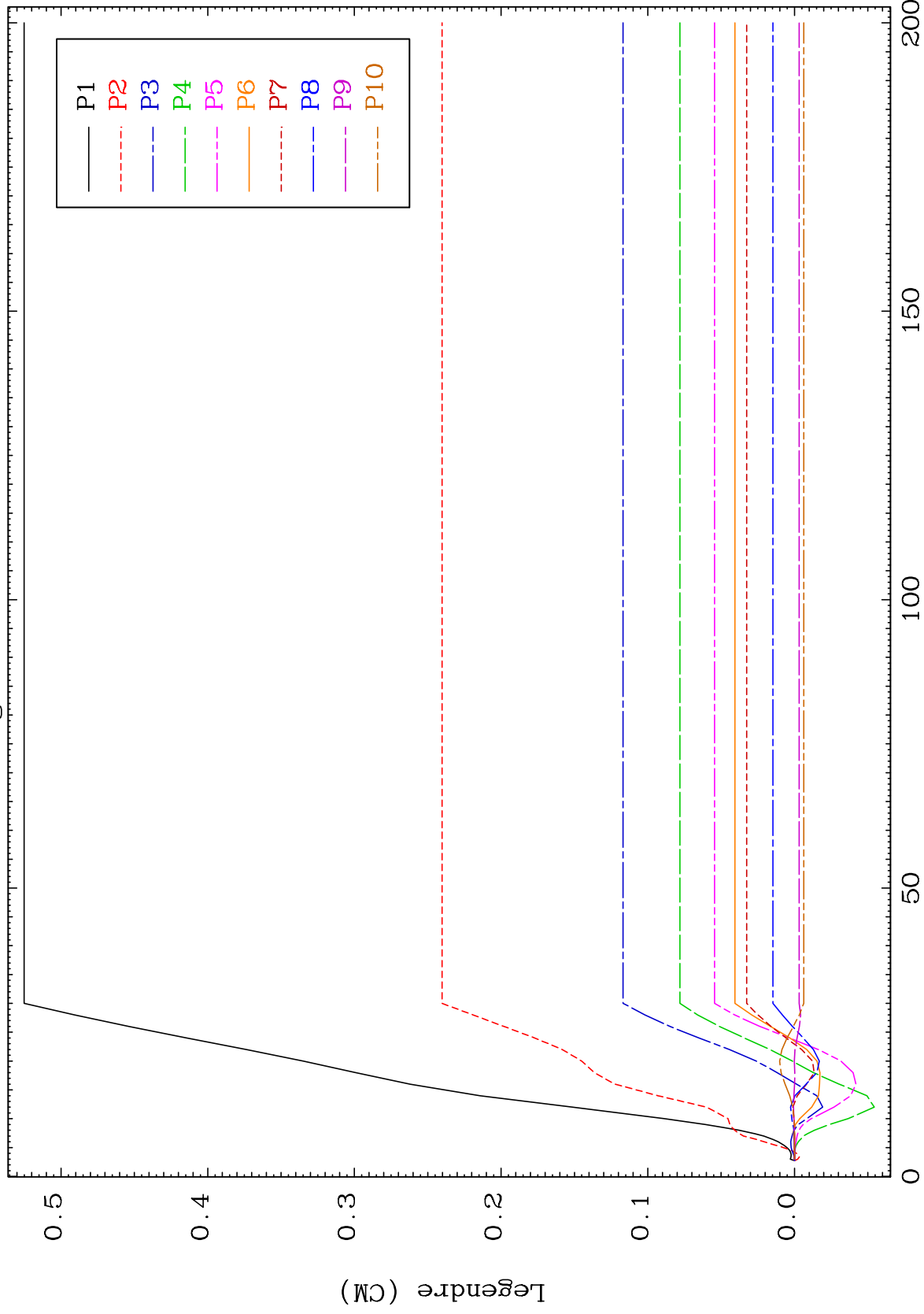
18-Ar-39



MAT 1834

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

18-Ar-39



49

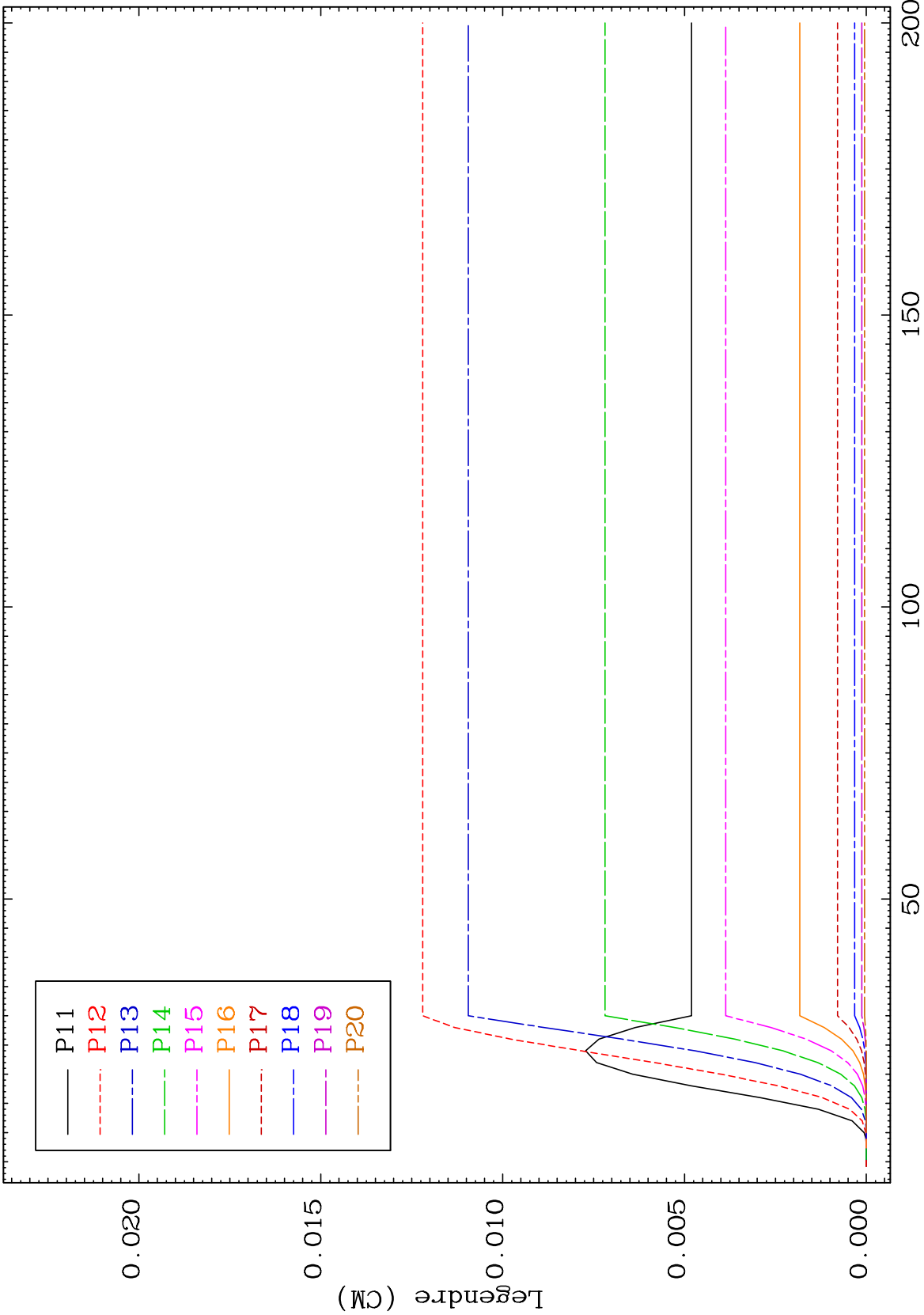
Incident Energy (MeV)

18-Ar-39

MAT 1834

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

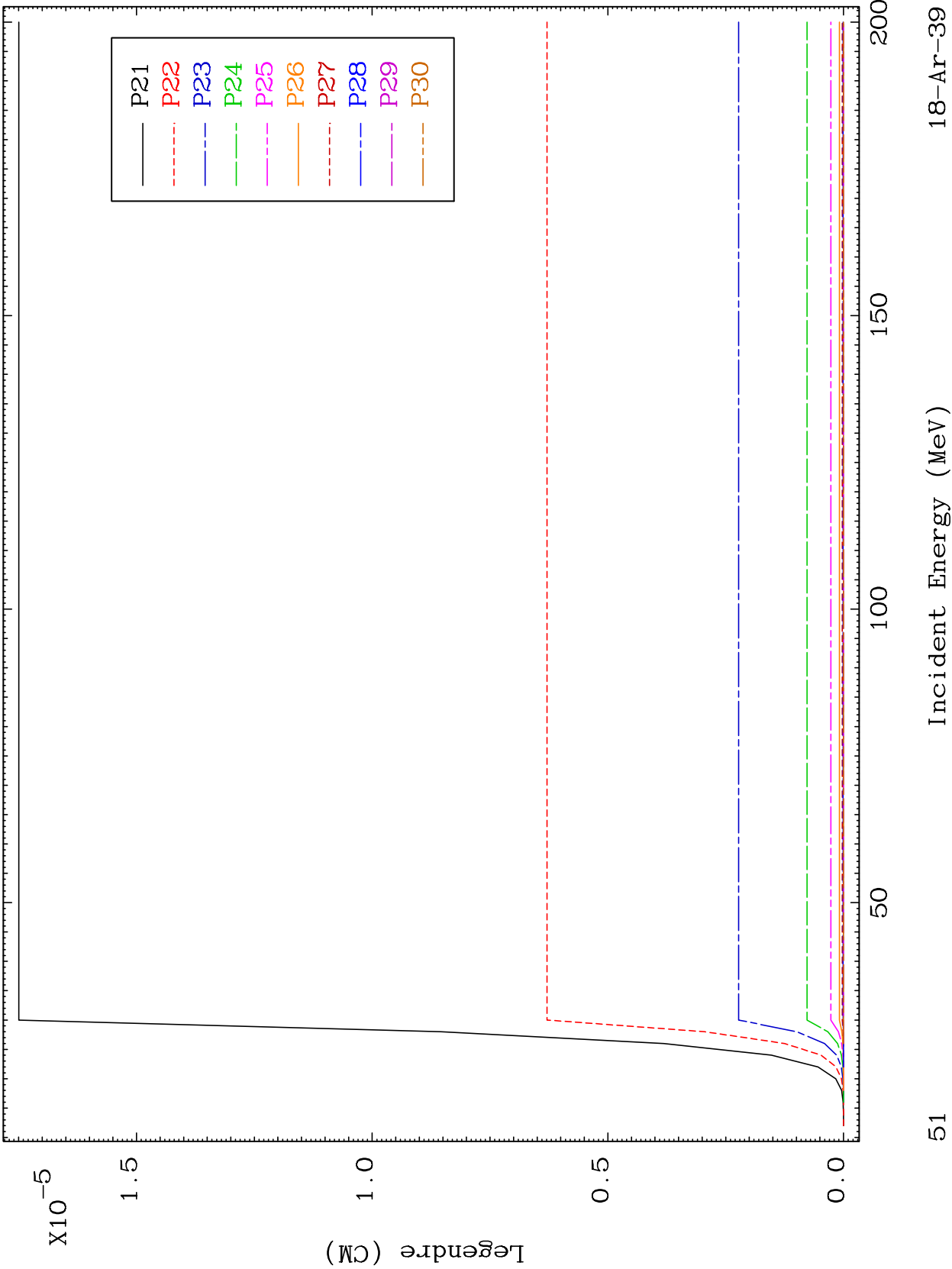
18-Ar-39

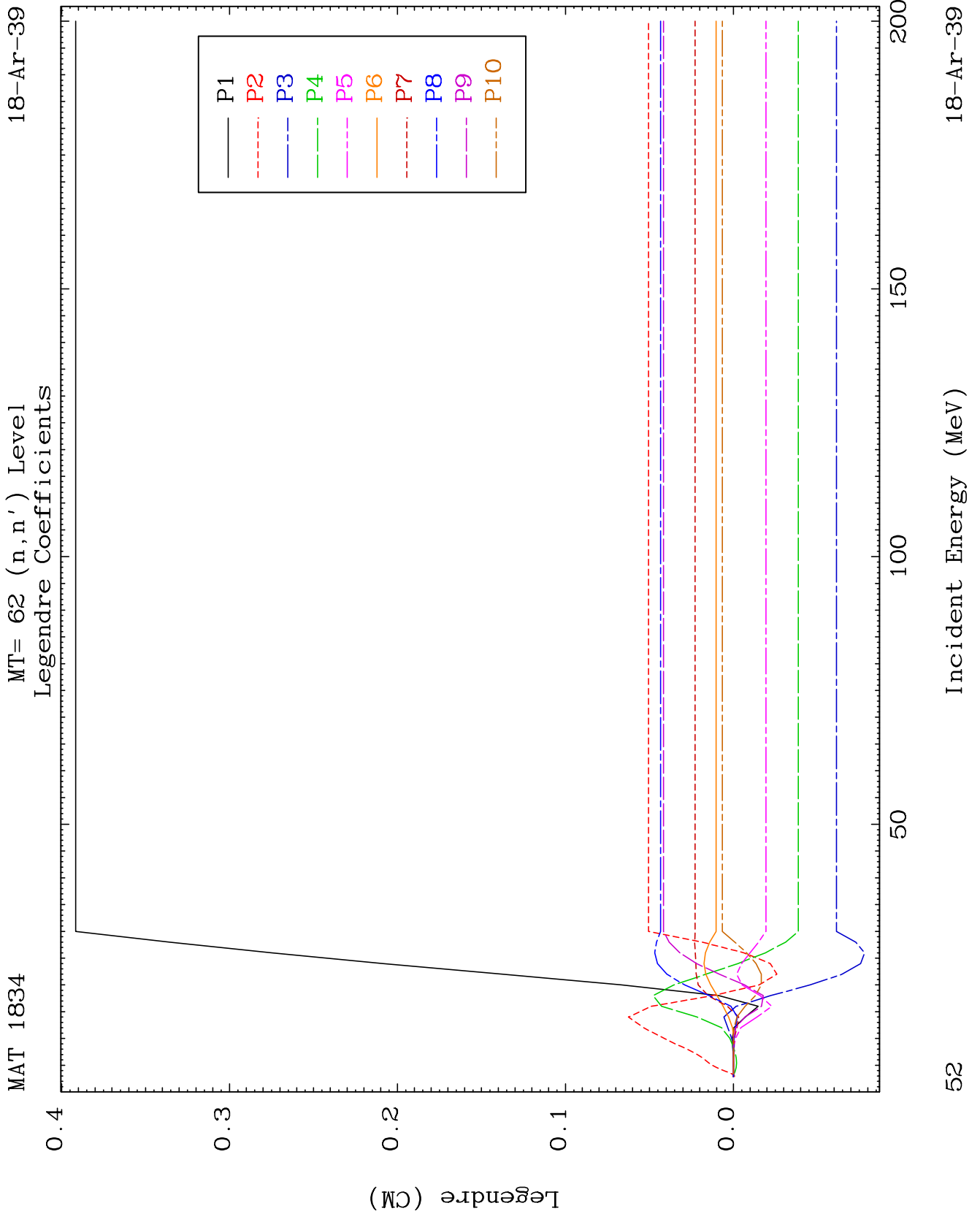


50

Incident Energy (MeV)

18-Ar-39

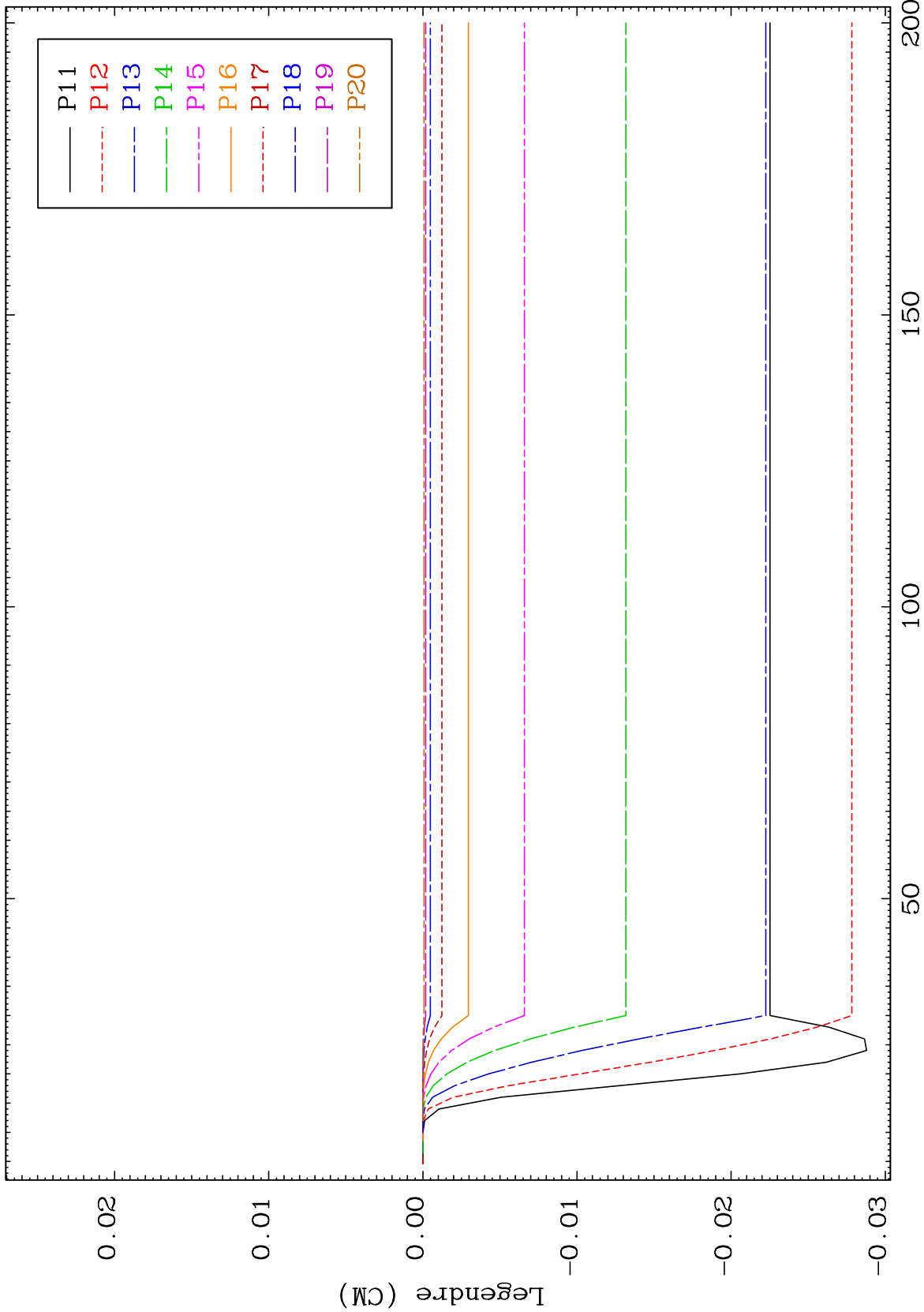




MAT 1834

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

18-Ar-39



53

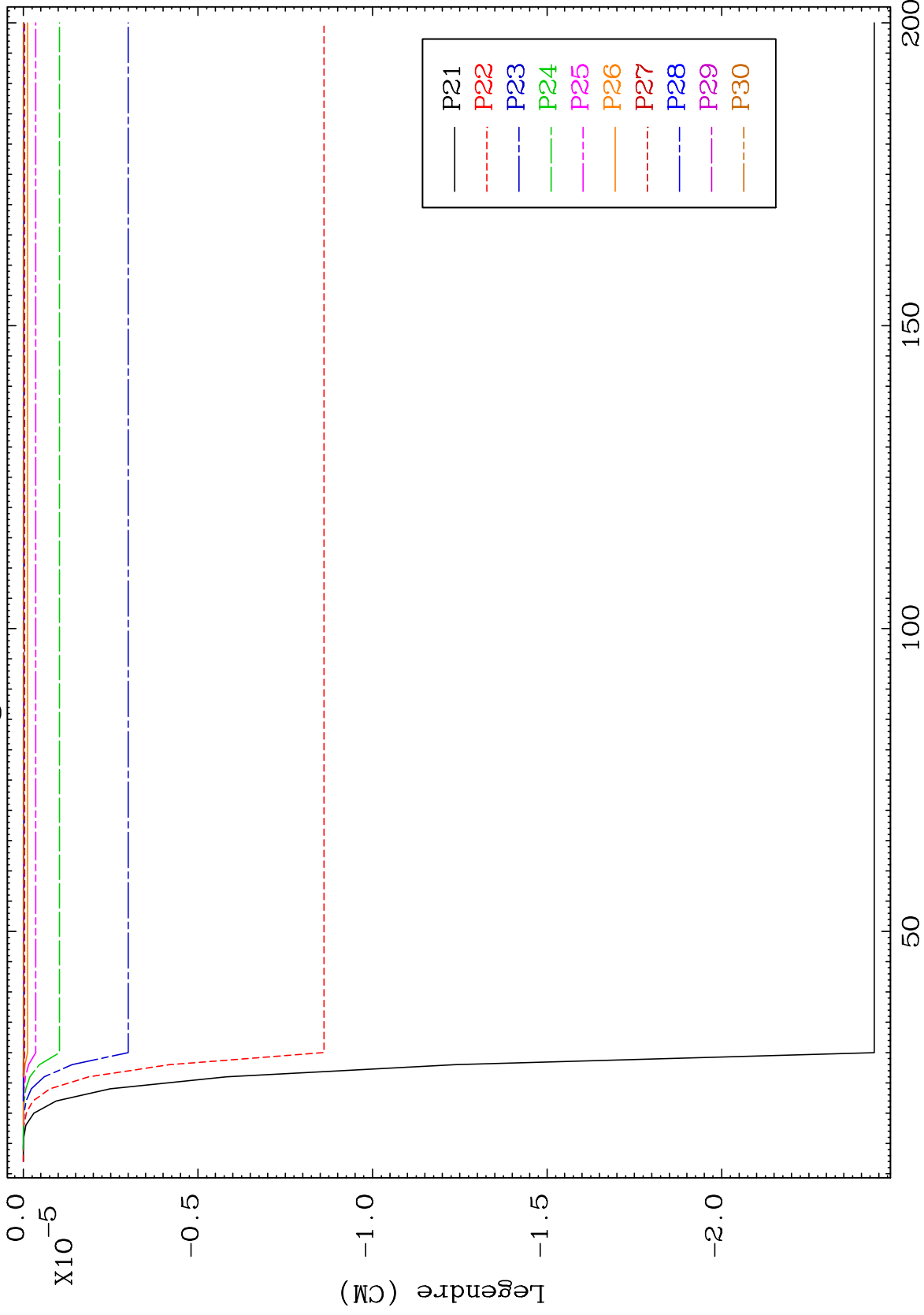
Incident Energy (MeV)

18-Ar-39

MAT 1834

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

18-Ar-39



54

Incident Energy (MeV)

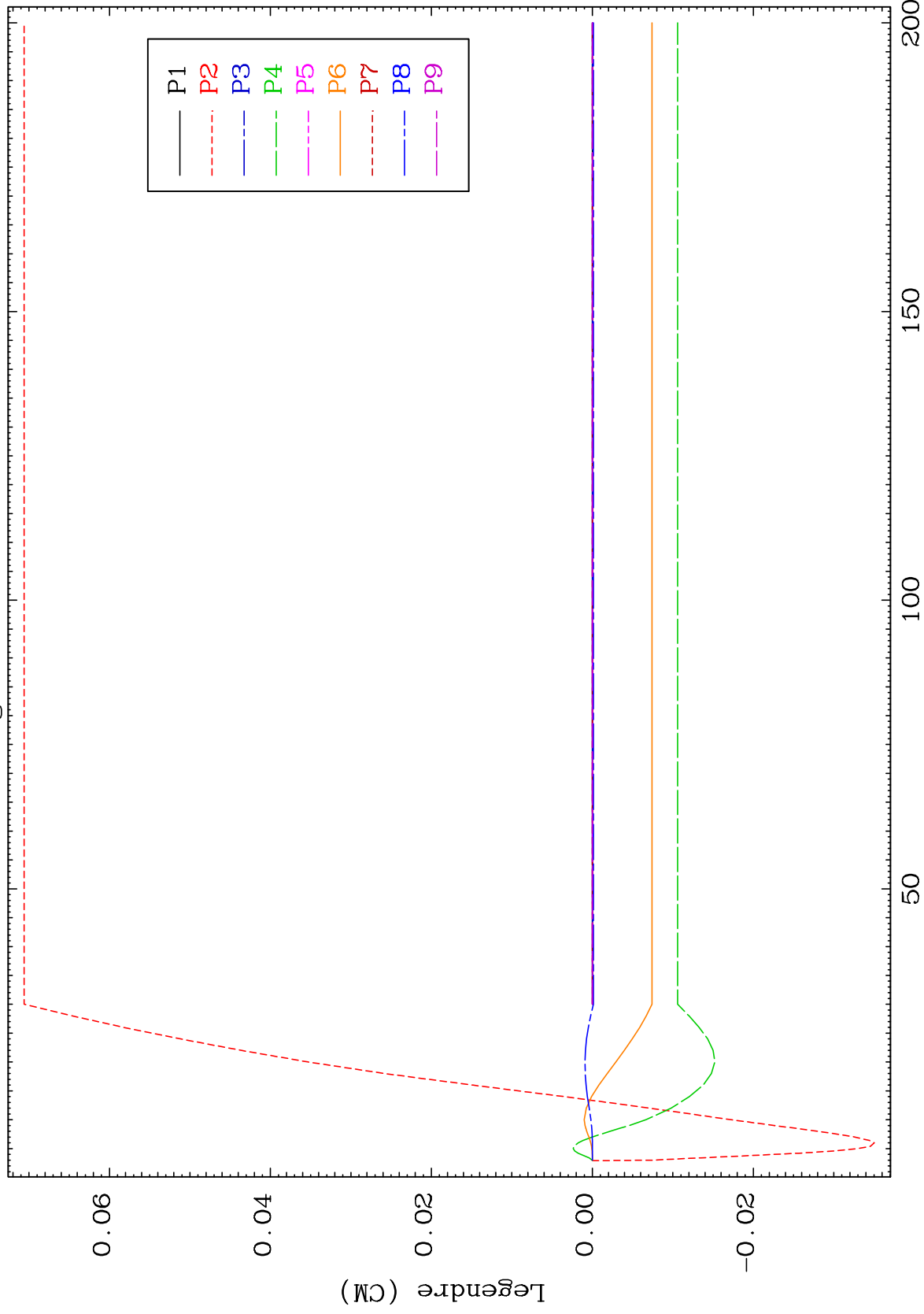
18-Ar-39

MAT 1834

MT= 63 (n,n') Level

18-Ar-39

Legendre Coefficients



55

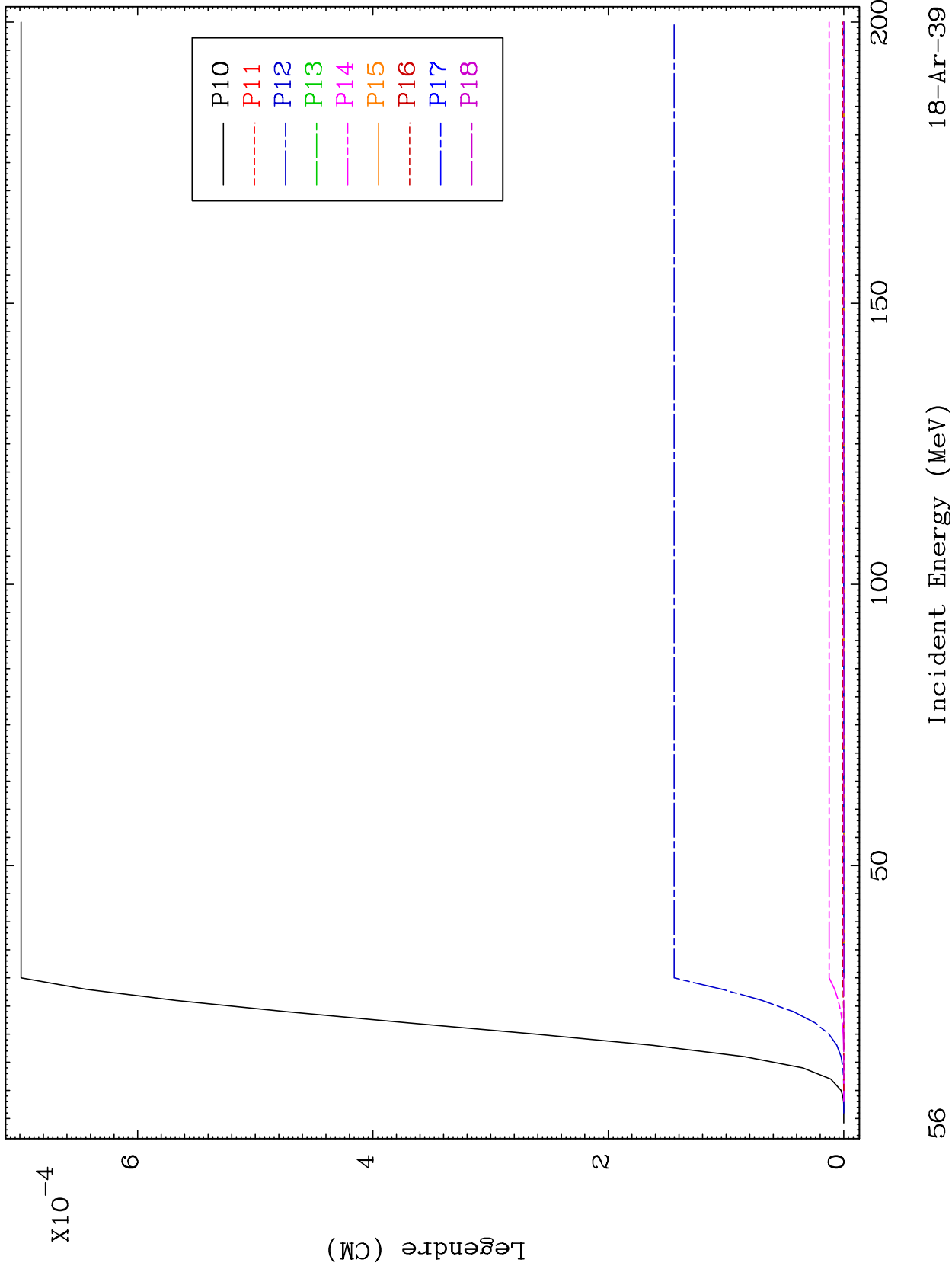
Incident Energy (MeV)

18-Ar-39

MAT 1834

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

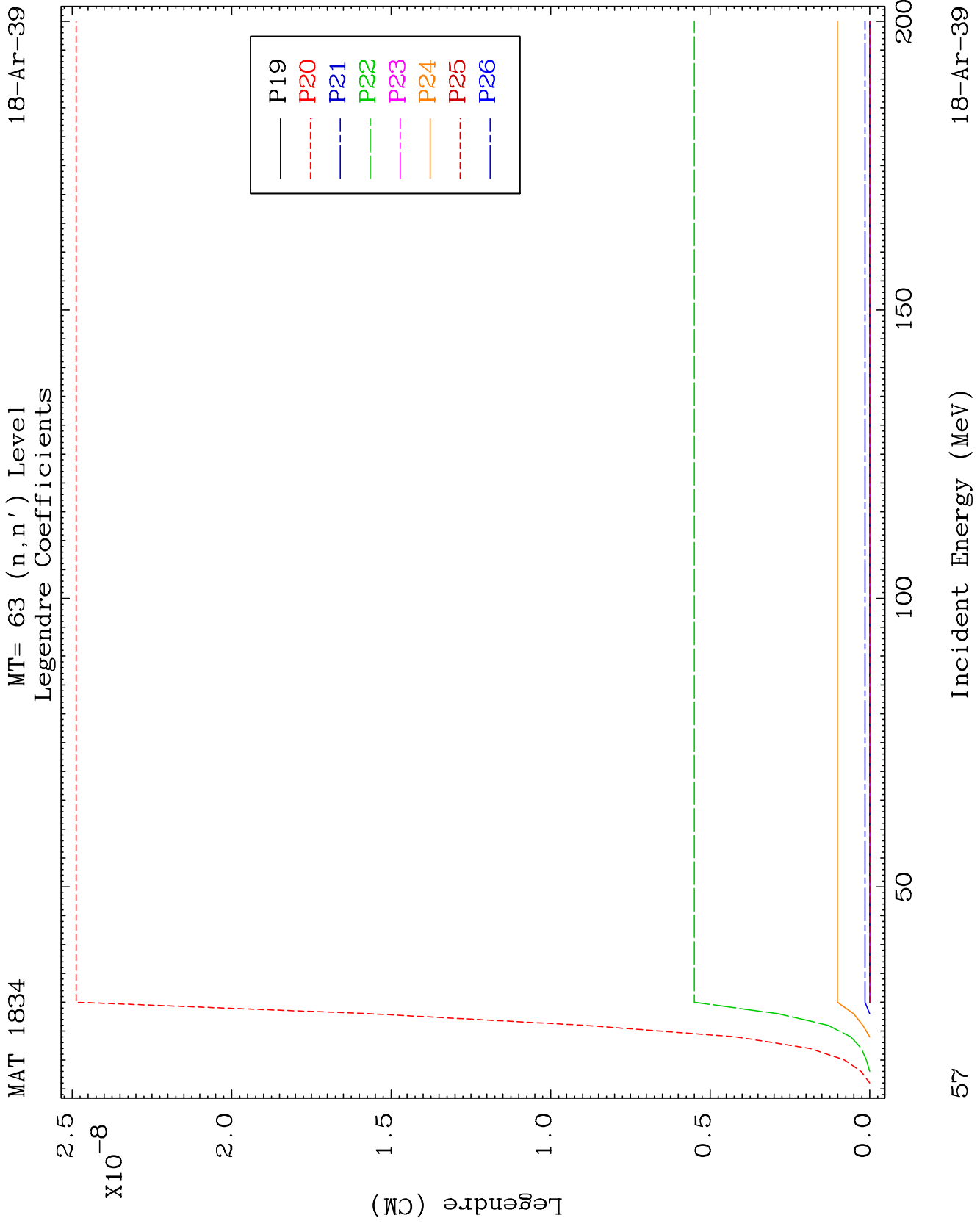
18-Ar-39



56

Incident Energy (MeV)

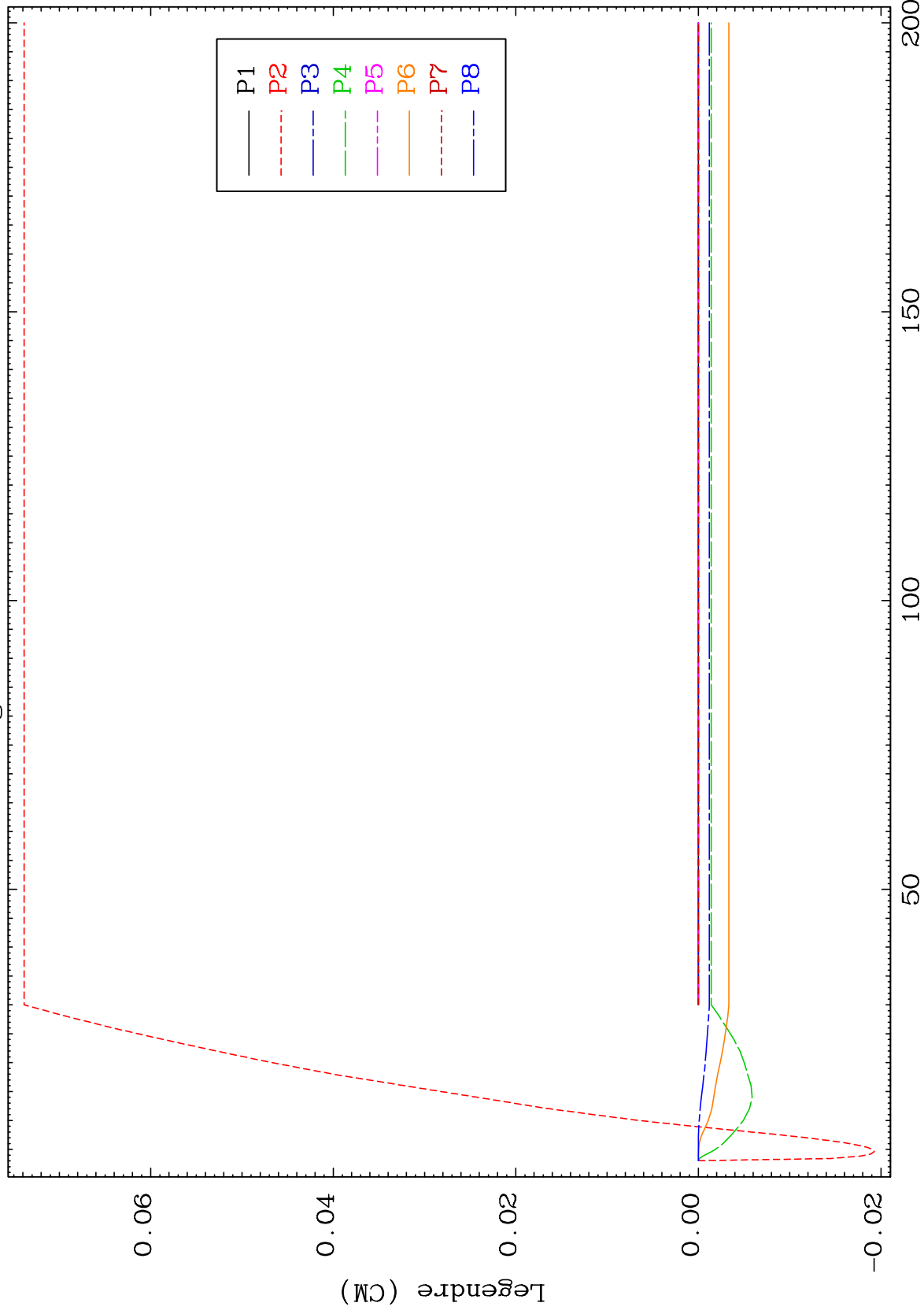
18-Ar-39



MAT 1834

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

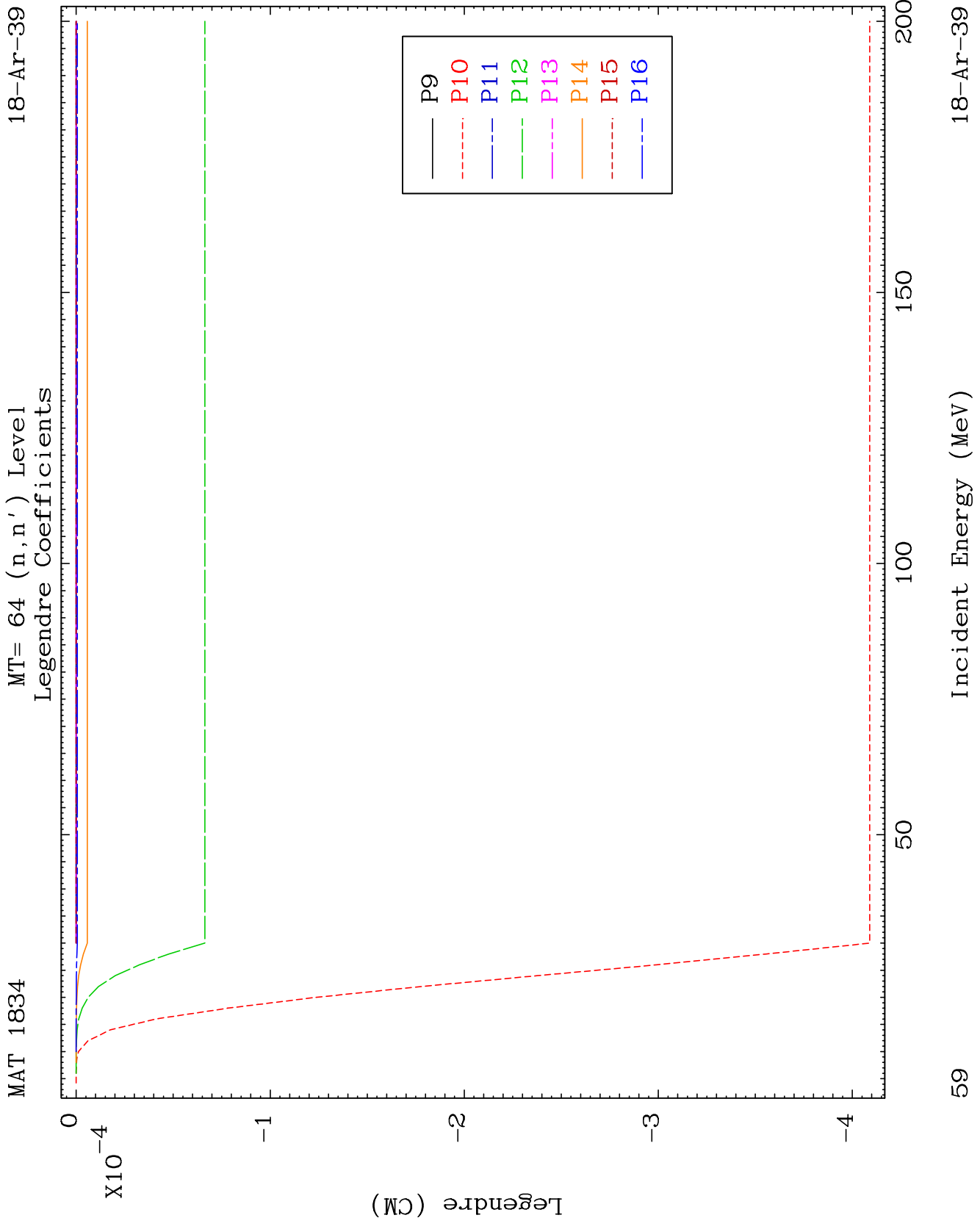
18-Ar-39

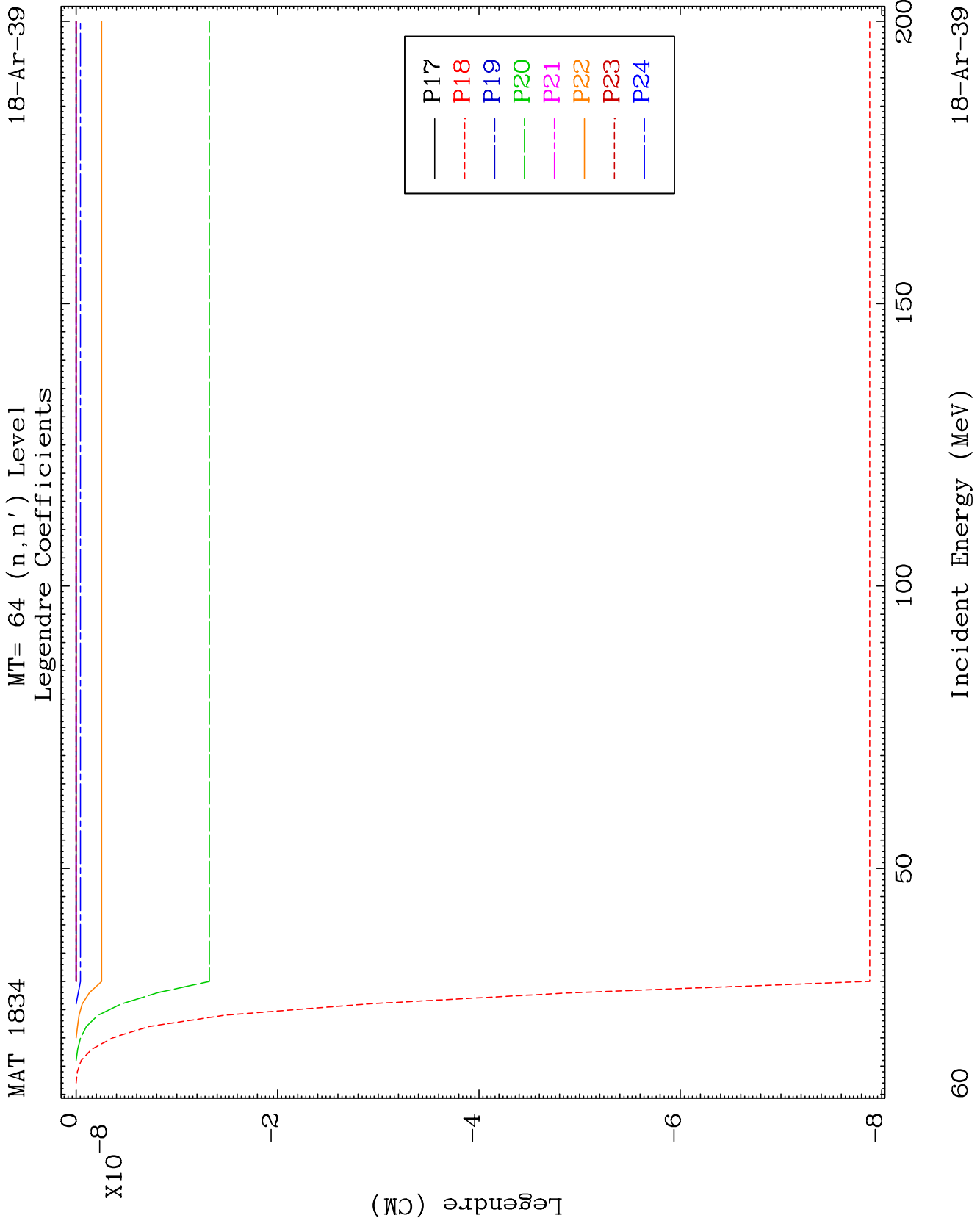


18-Ar-39

Incident Energy (MeV)

58

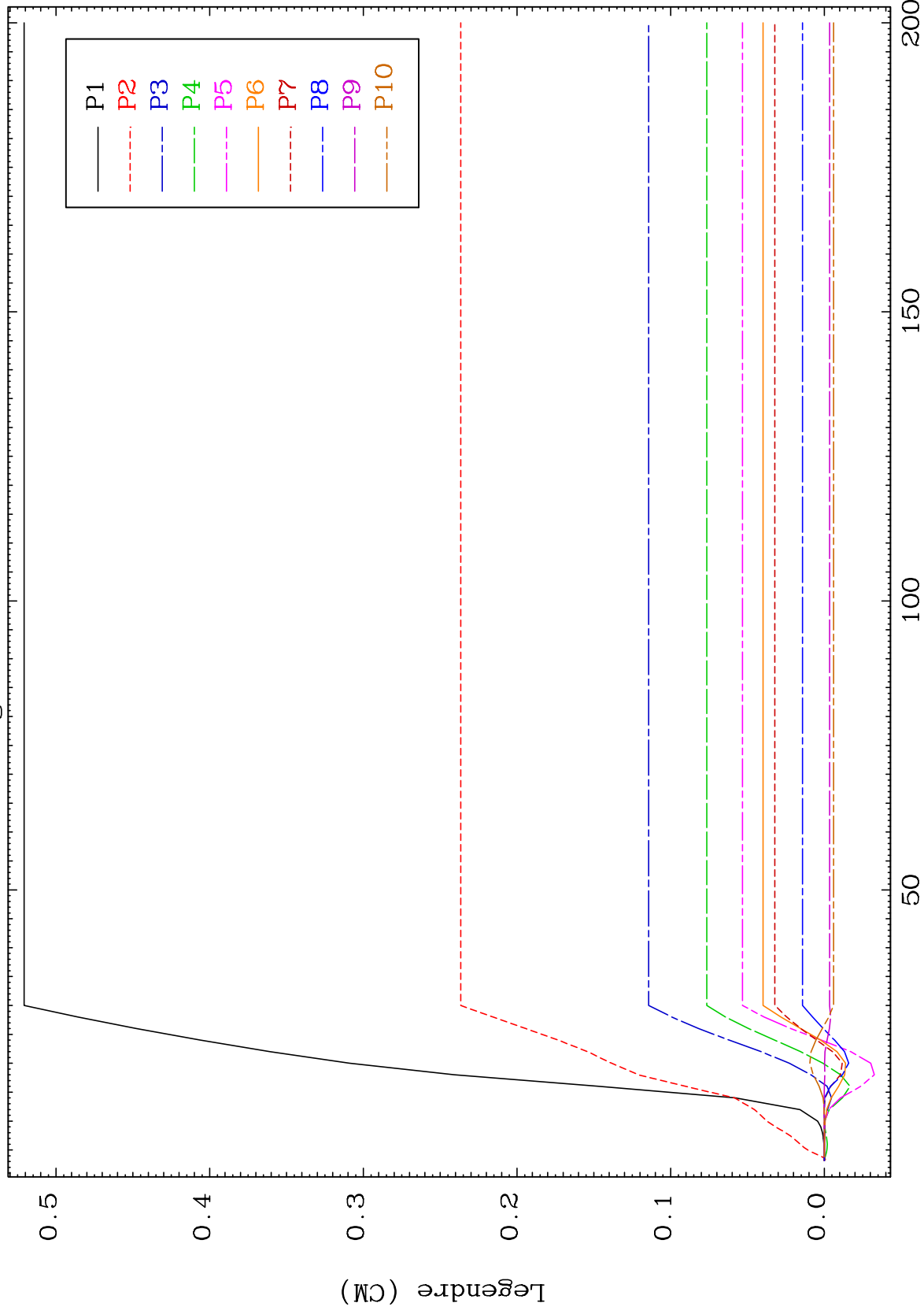




MAT 1834

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

18-Ar-39



61

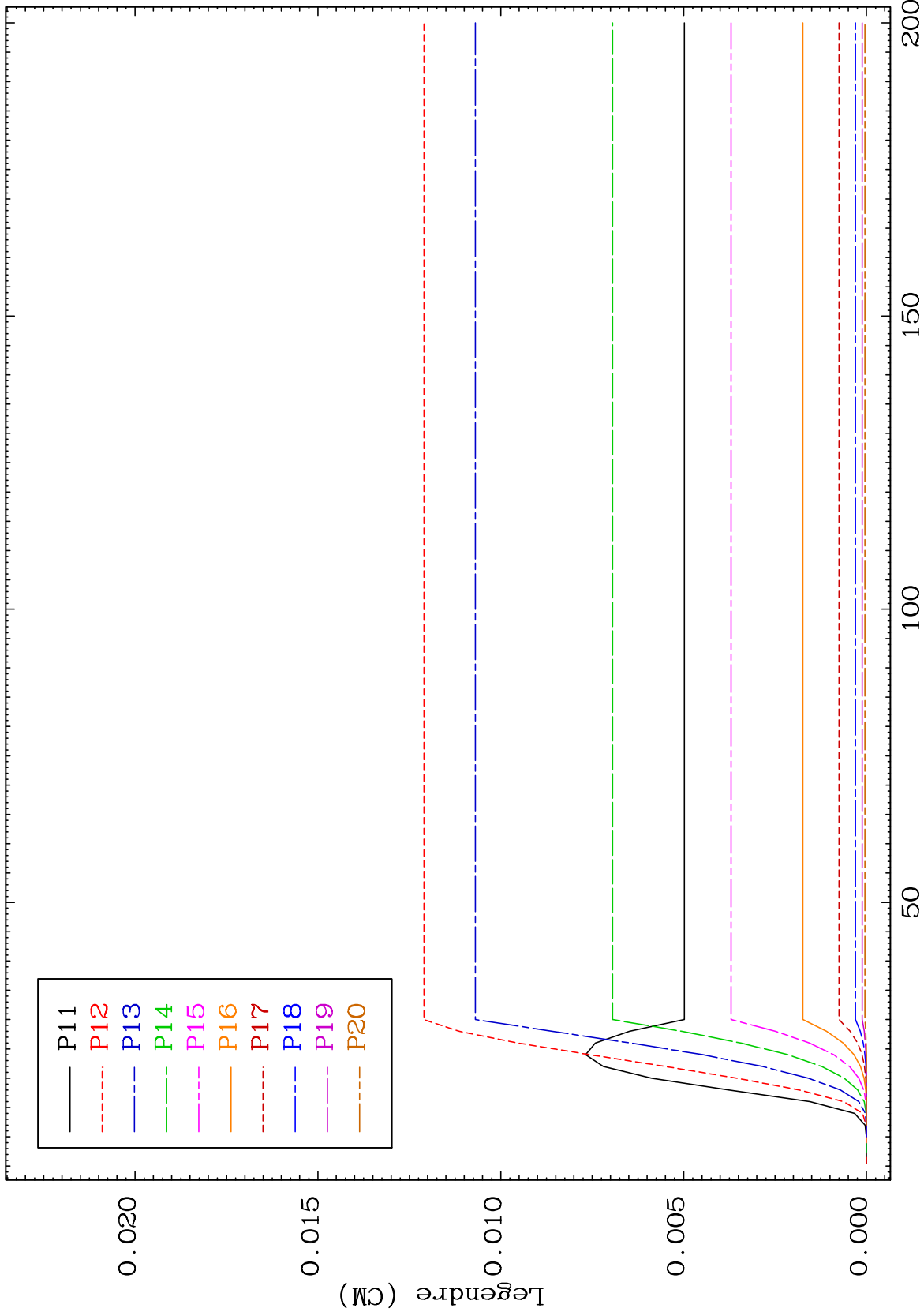
Incident Energy (MeV)

18-Ar-39

MAT 1834

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

18-Ar-39



62

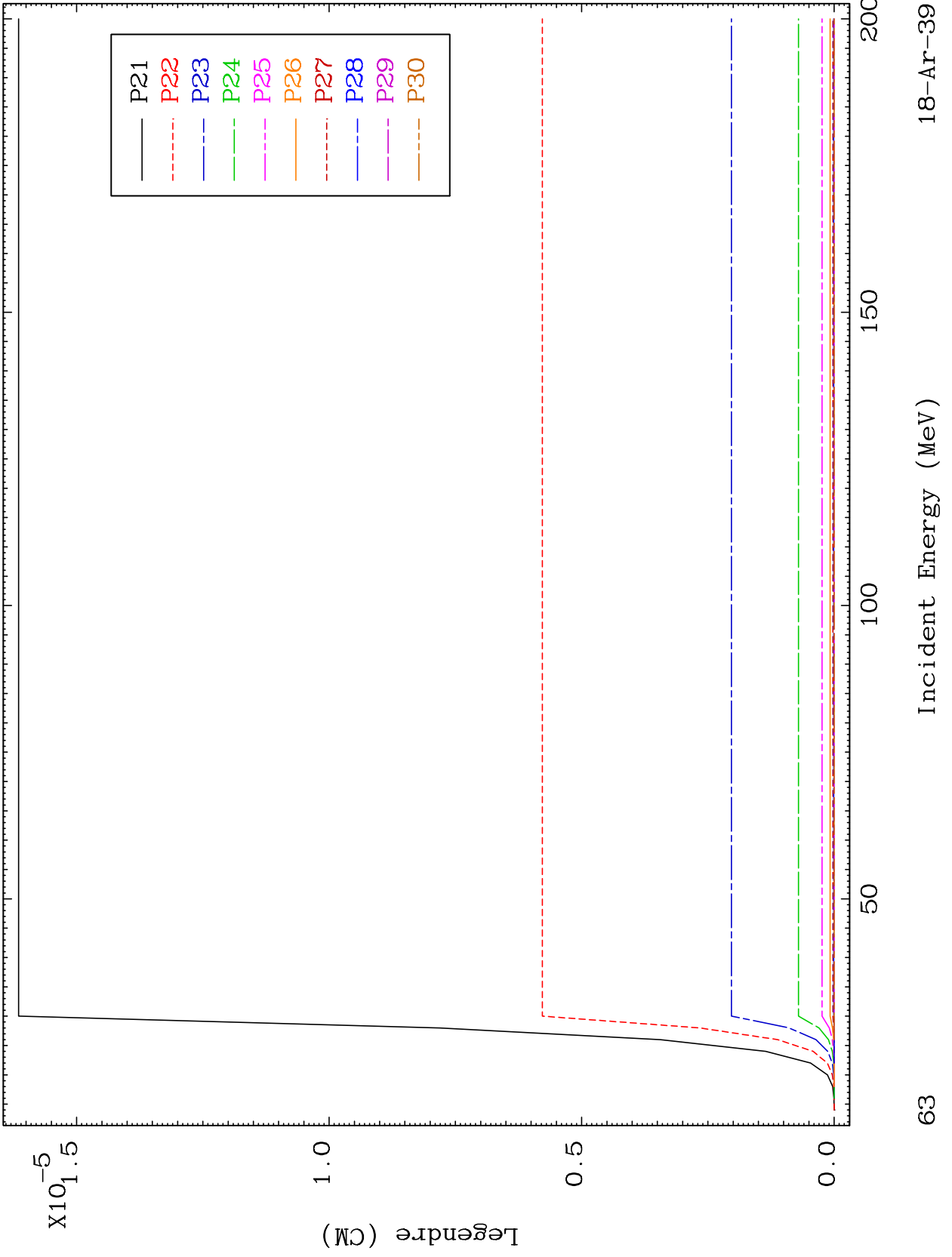
Incident Energy (MeV)

18-Ar-39

MAT 1834

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

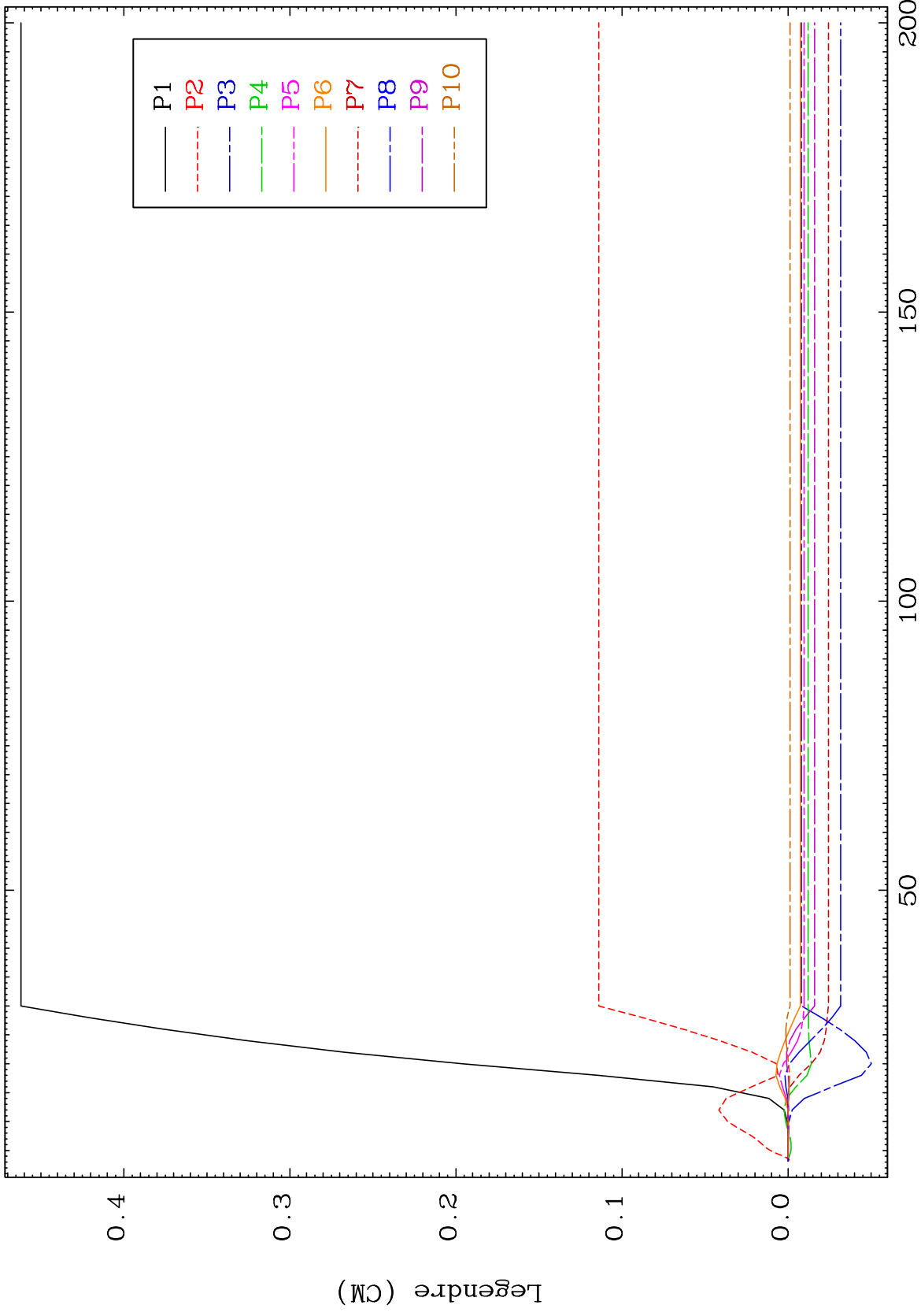
18-Ar-39



MAT 1834

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

18-Ar-39



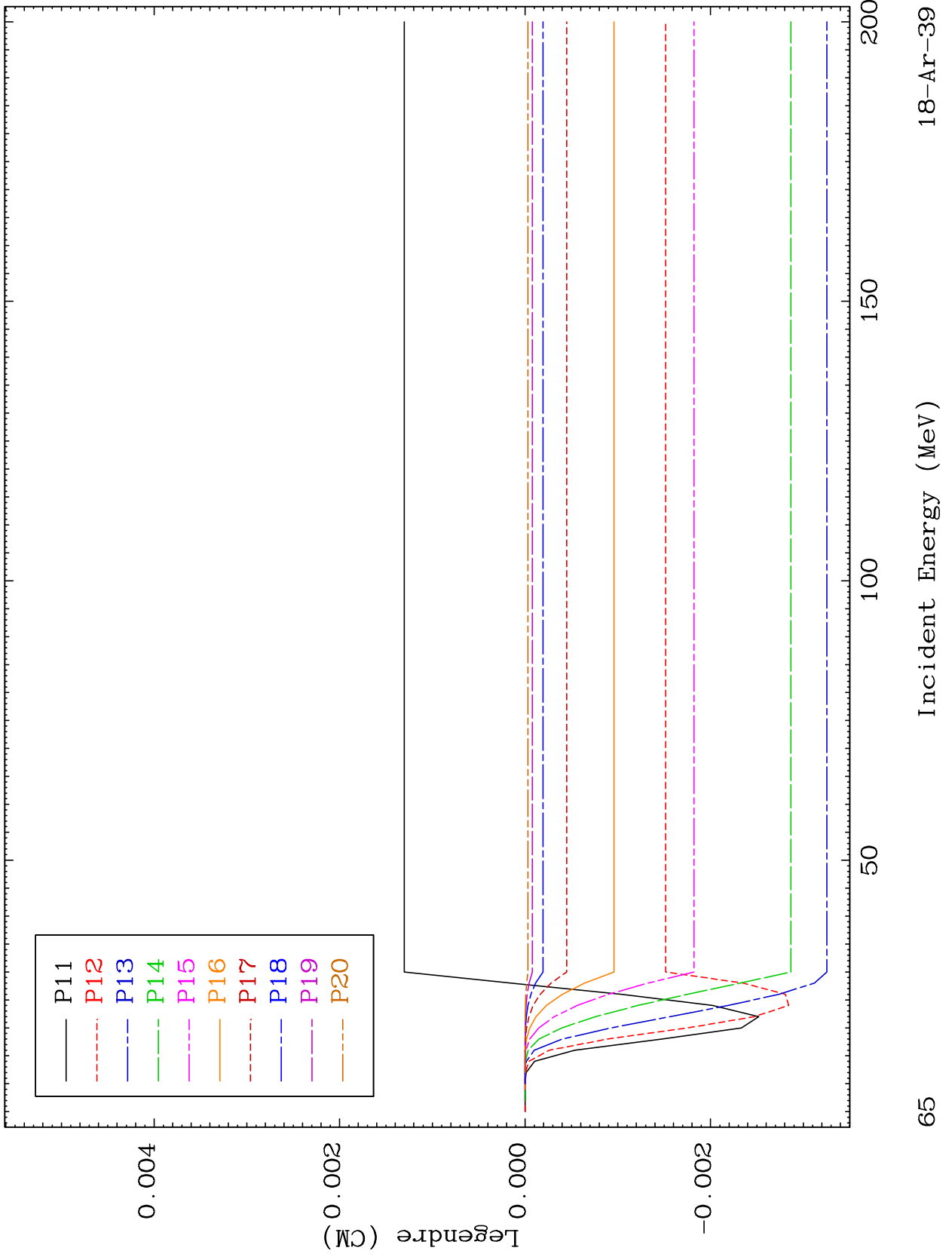
64

18-Ar-39

MAT 1834

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

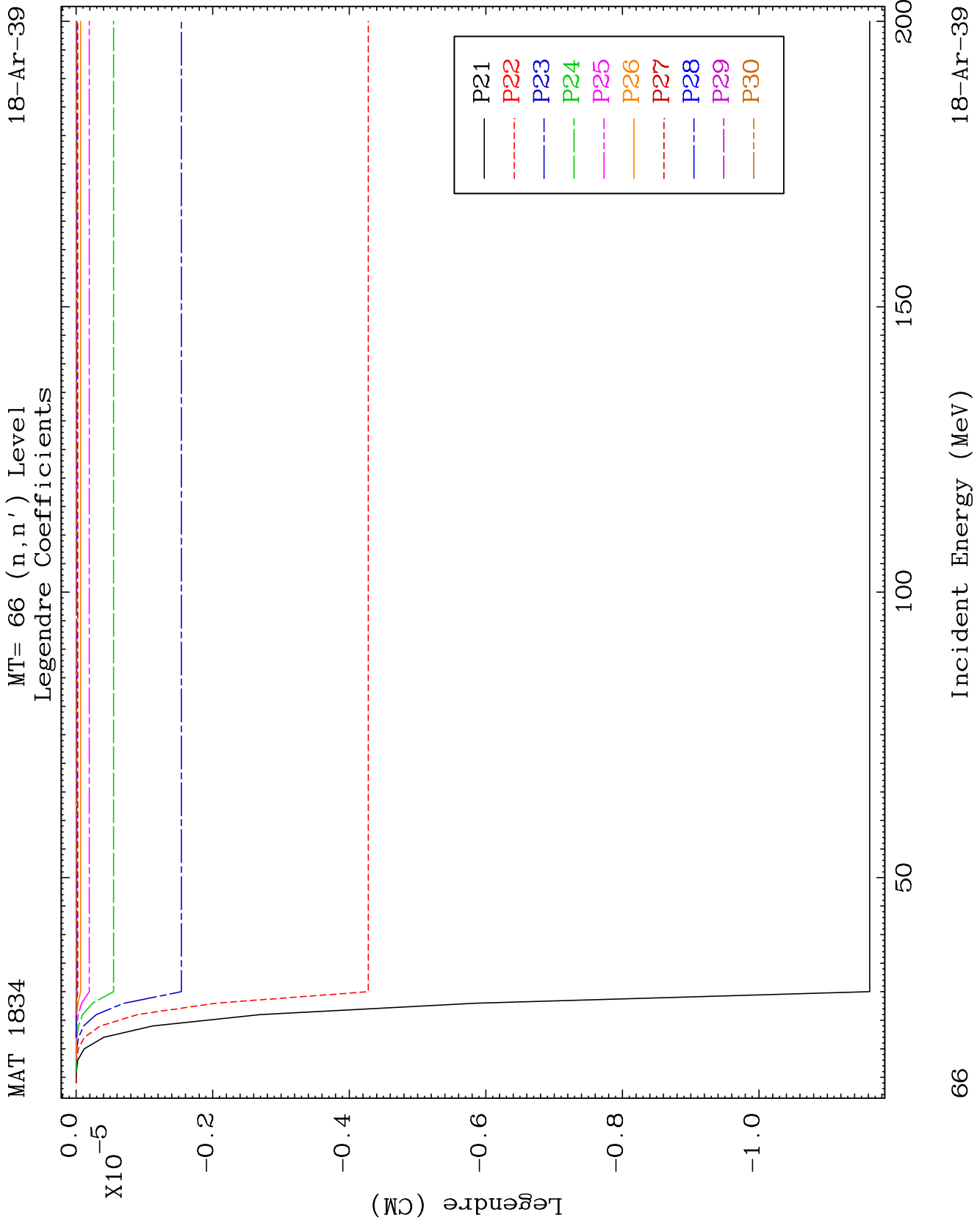
18-Ar-39



65

Incident Energy (MeV)

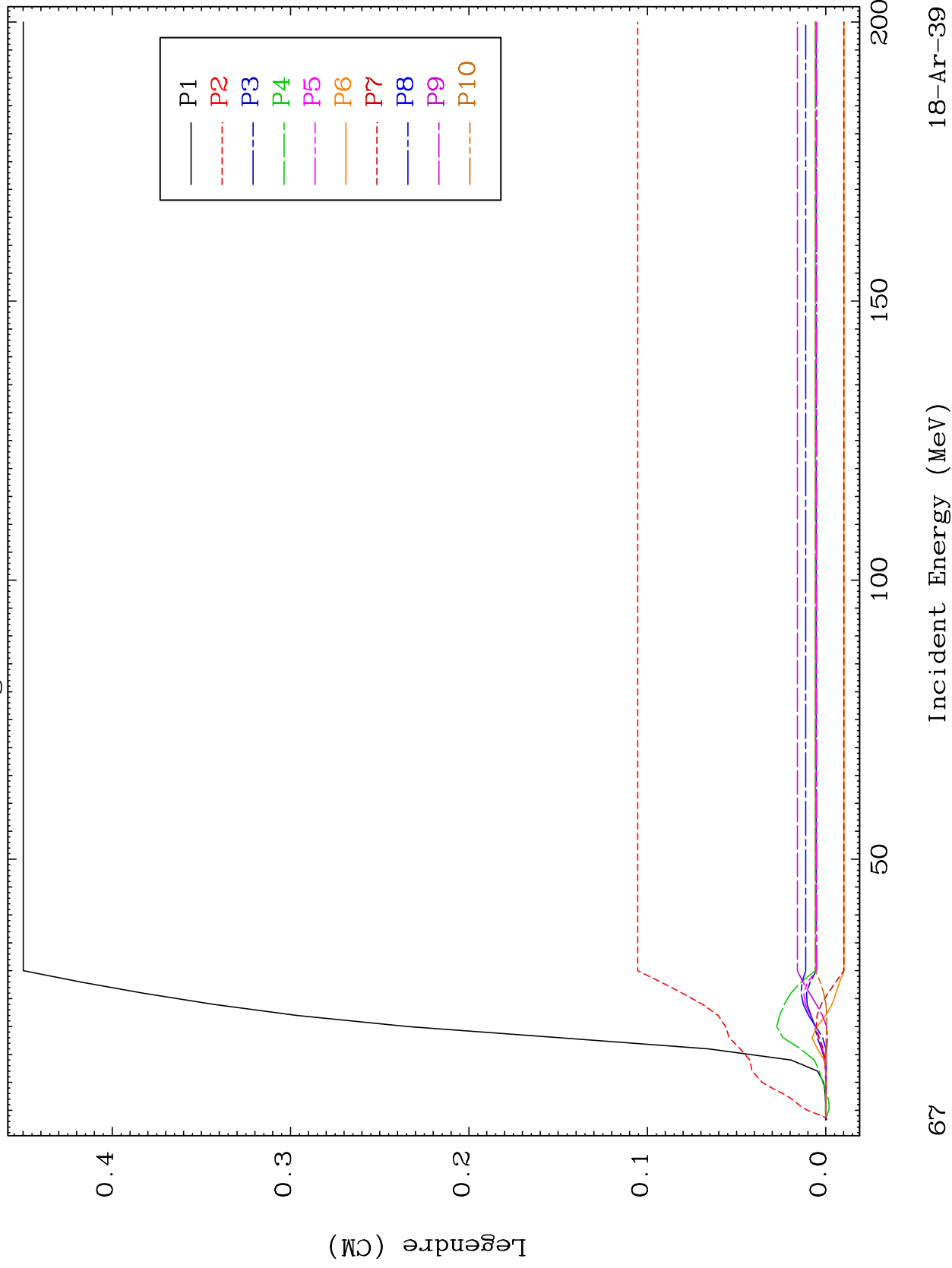
18-Ar-39



MAT 1834

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

18-Ar-39



18-Ar-39

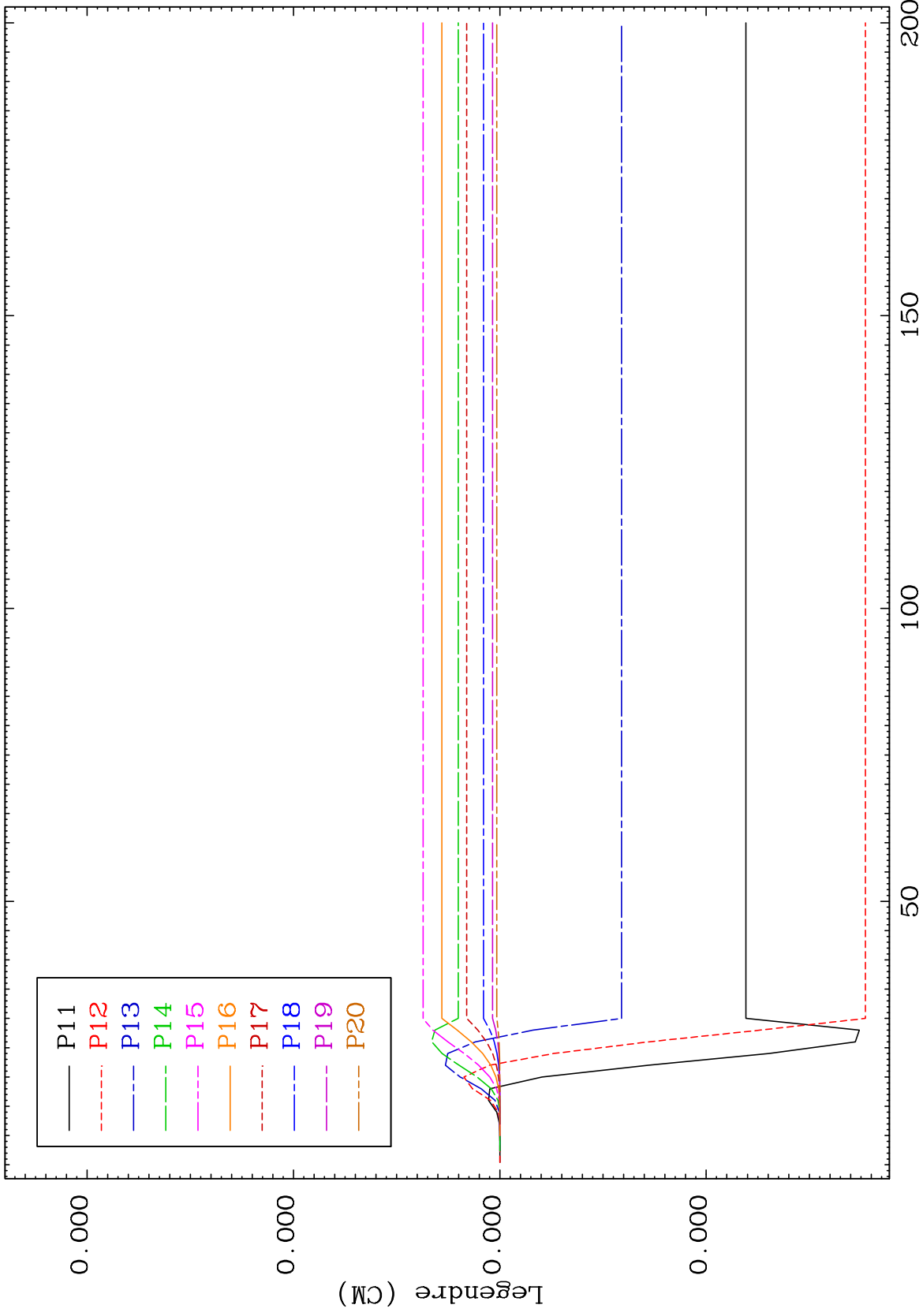
Incident Energy (MeV)

67

MAT 1834

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

18-Ar-39



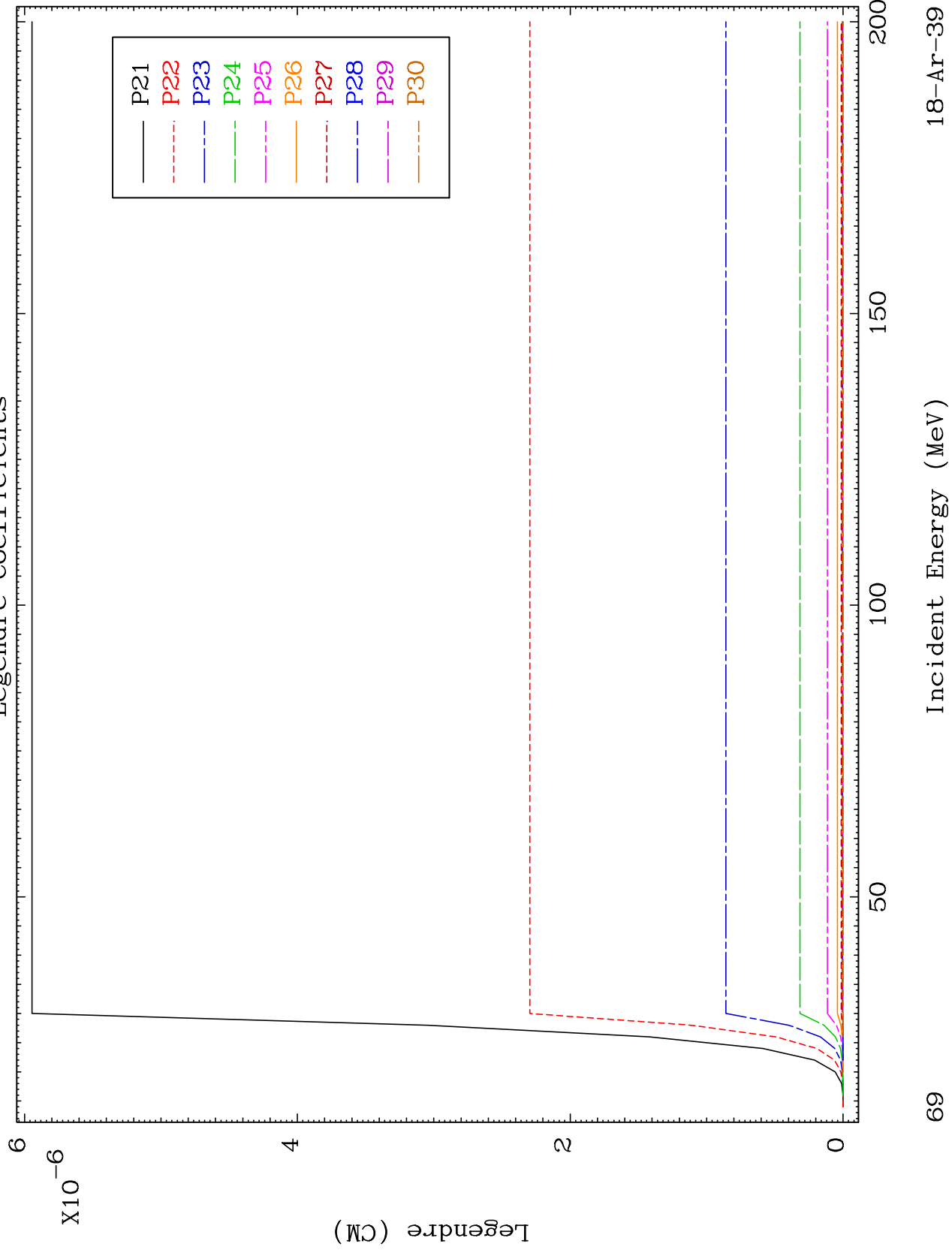
68

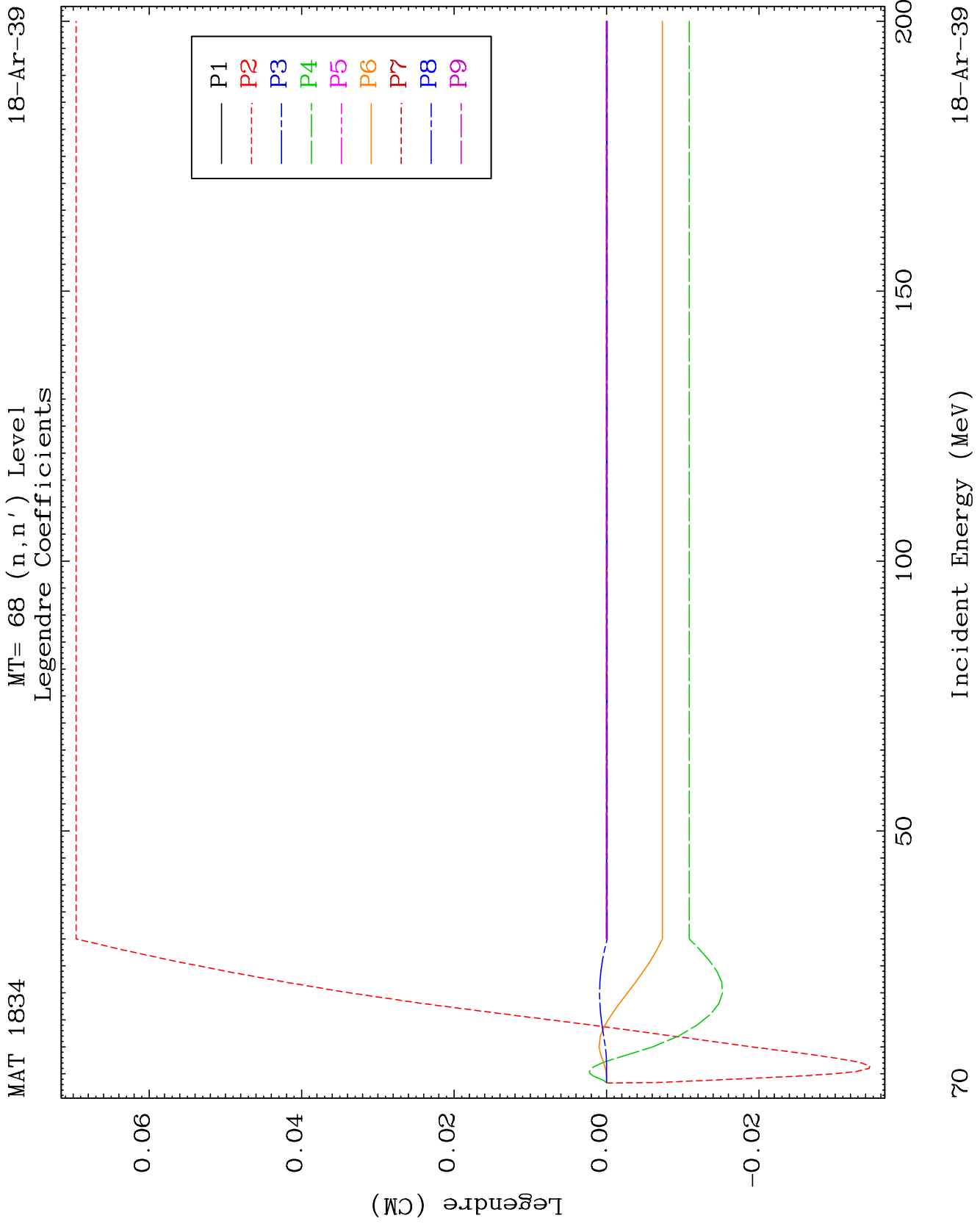
18-Ar-39

MAT 1834

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

18-Ar-39

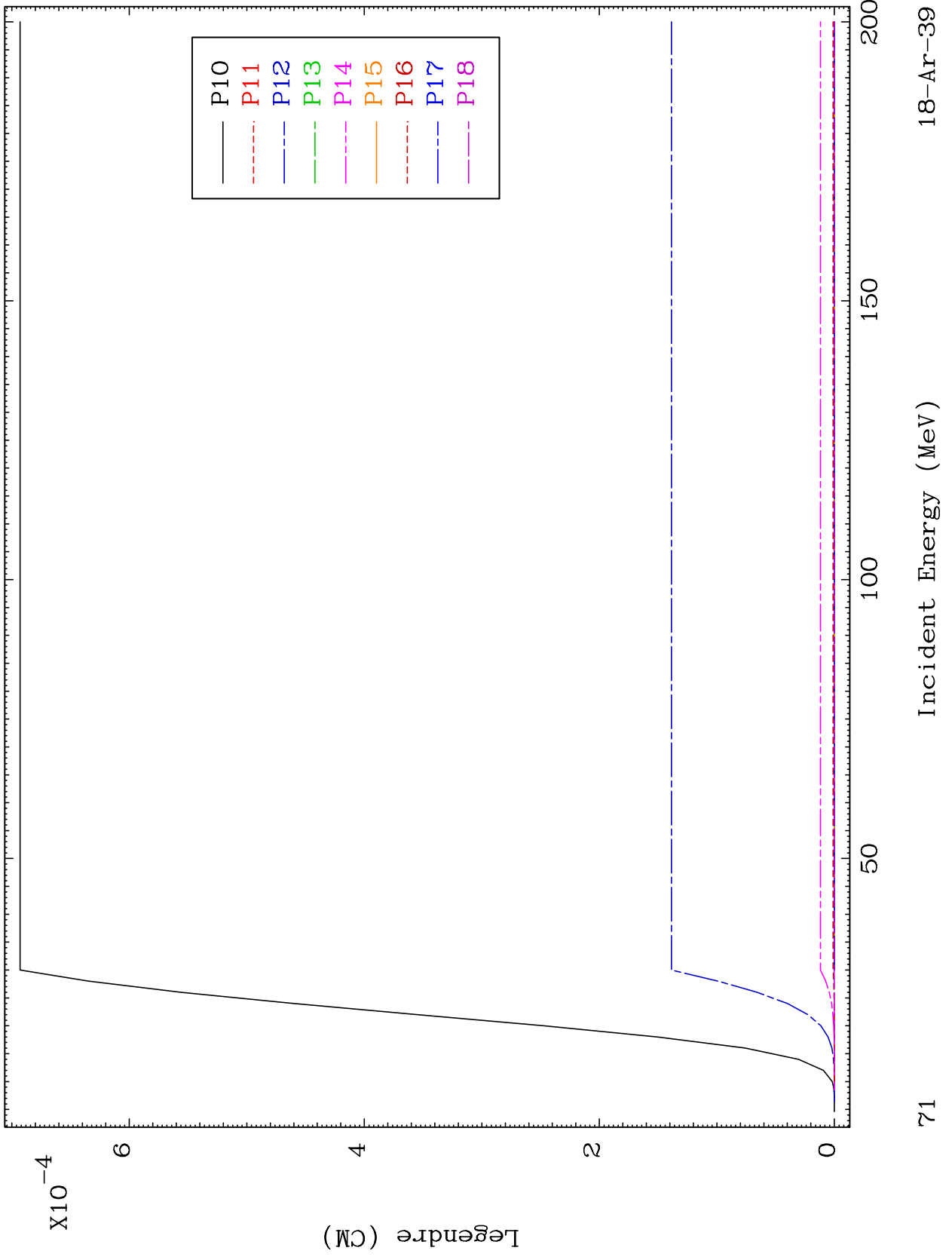




MAT 1834

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

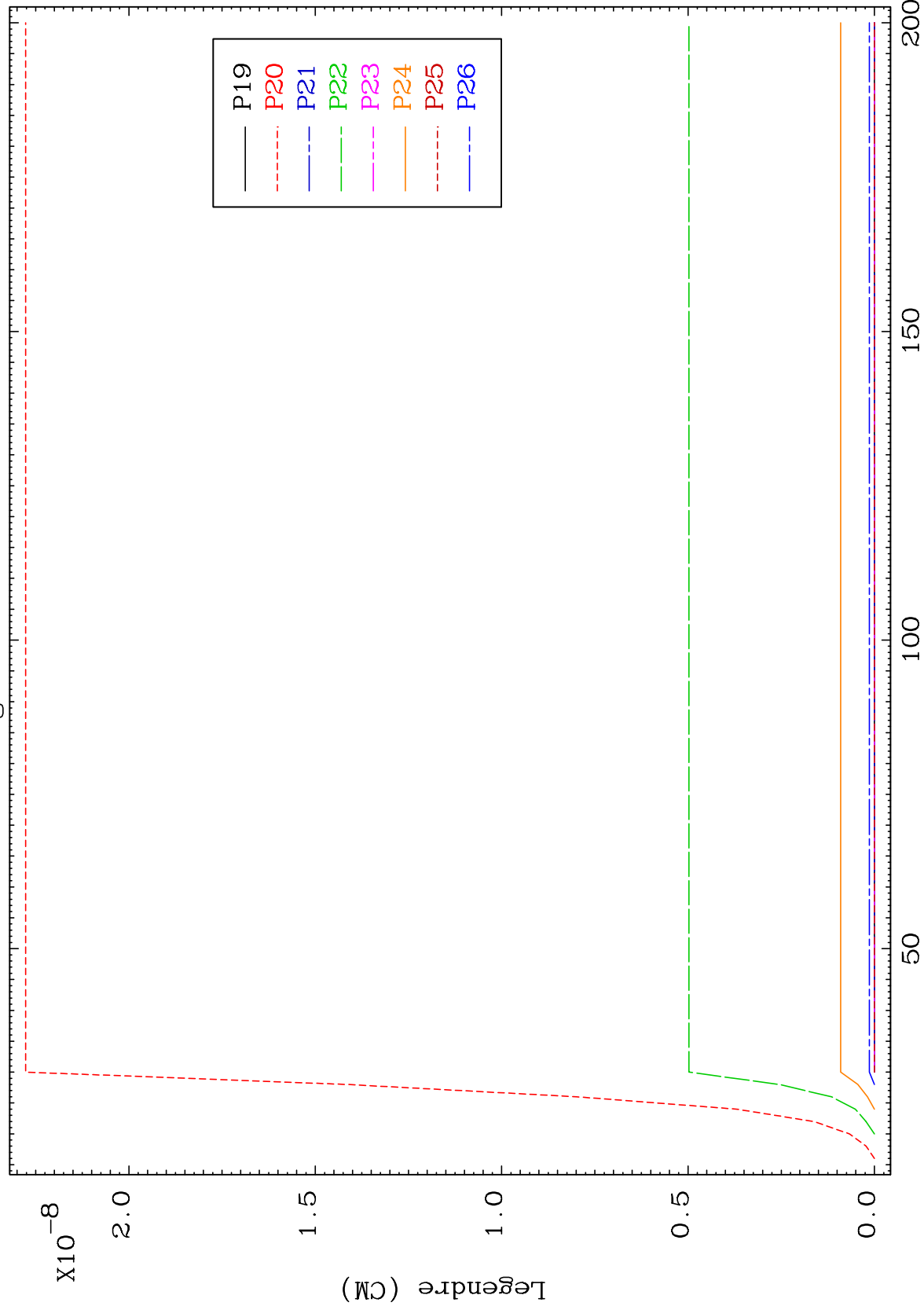
18-Ar-39



MAT 1834

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

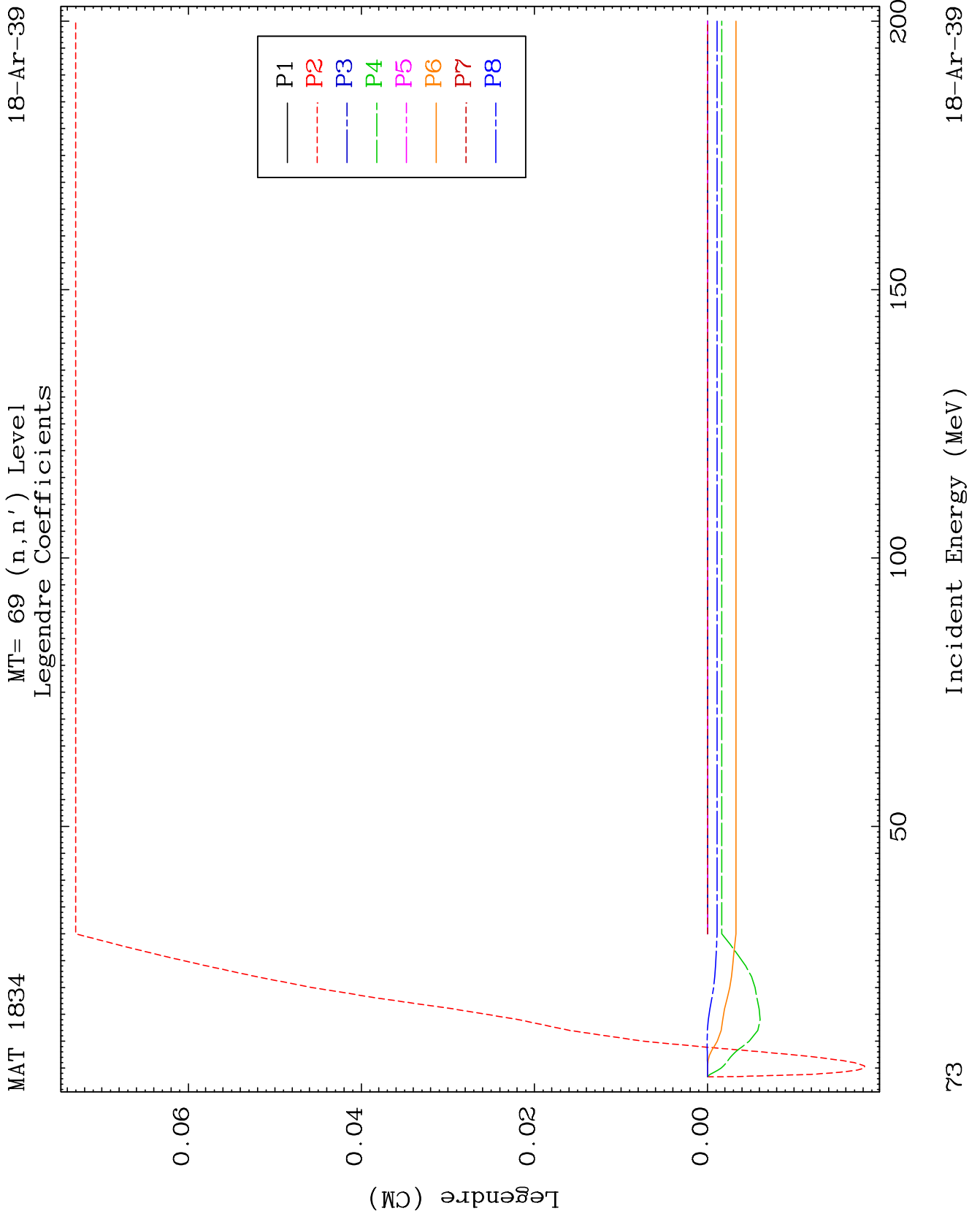
18-Ar-39



72

Incident Energy (MeV)

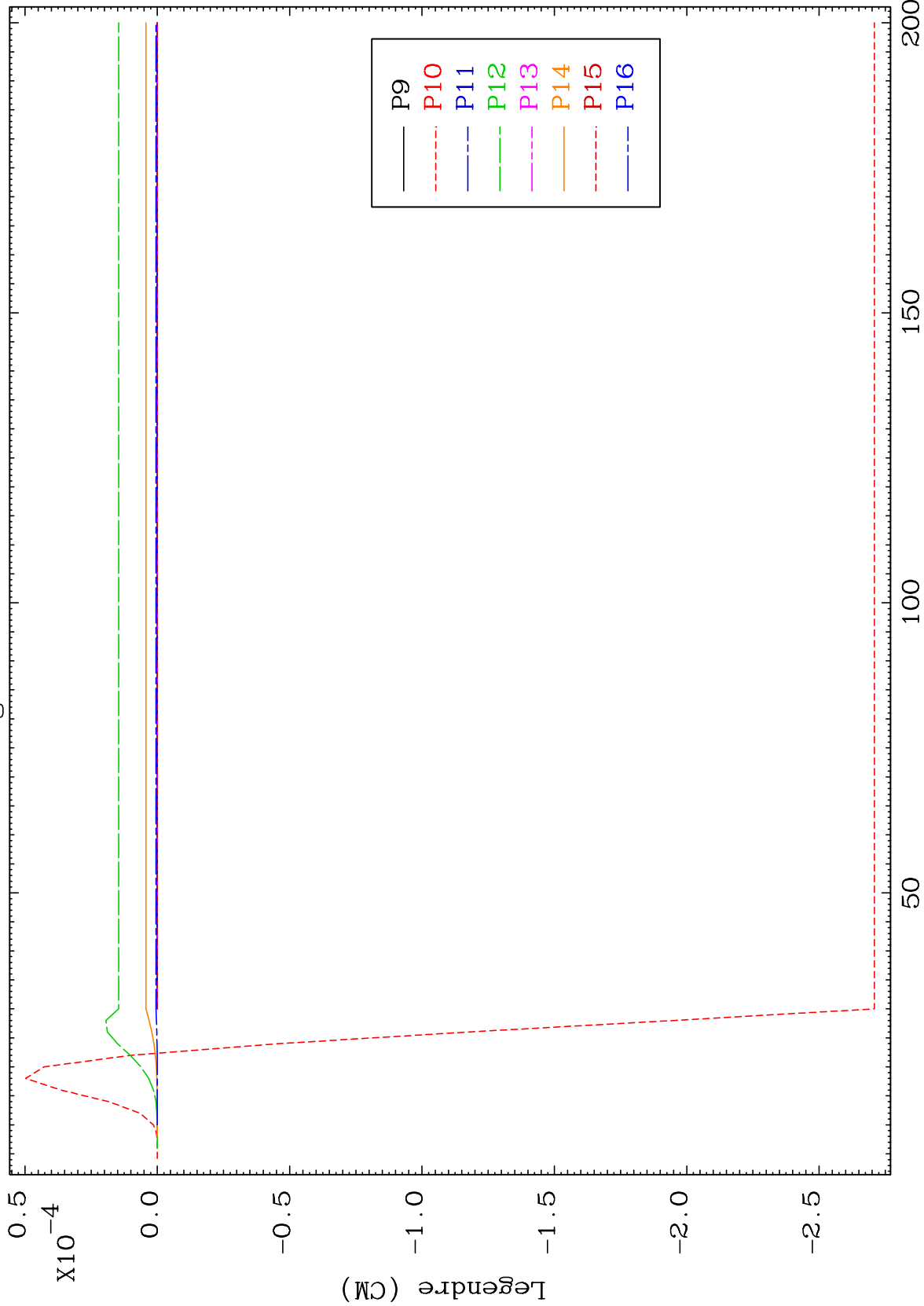
18-Ar-39



MAT 1834

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

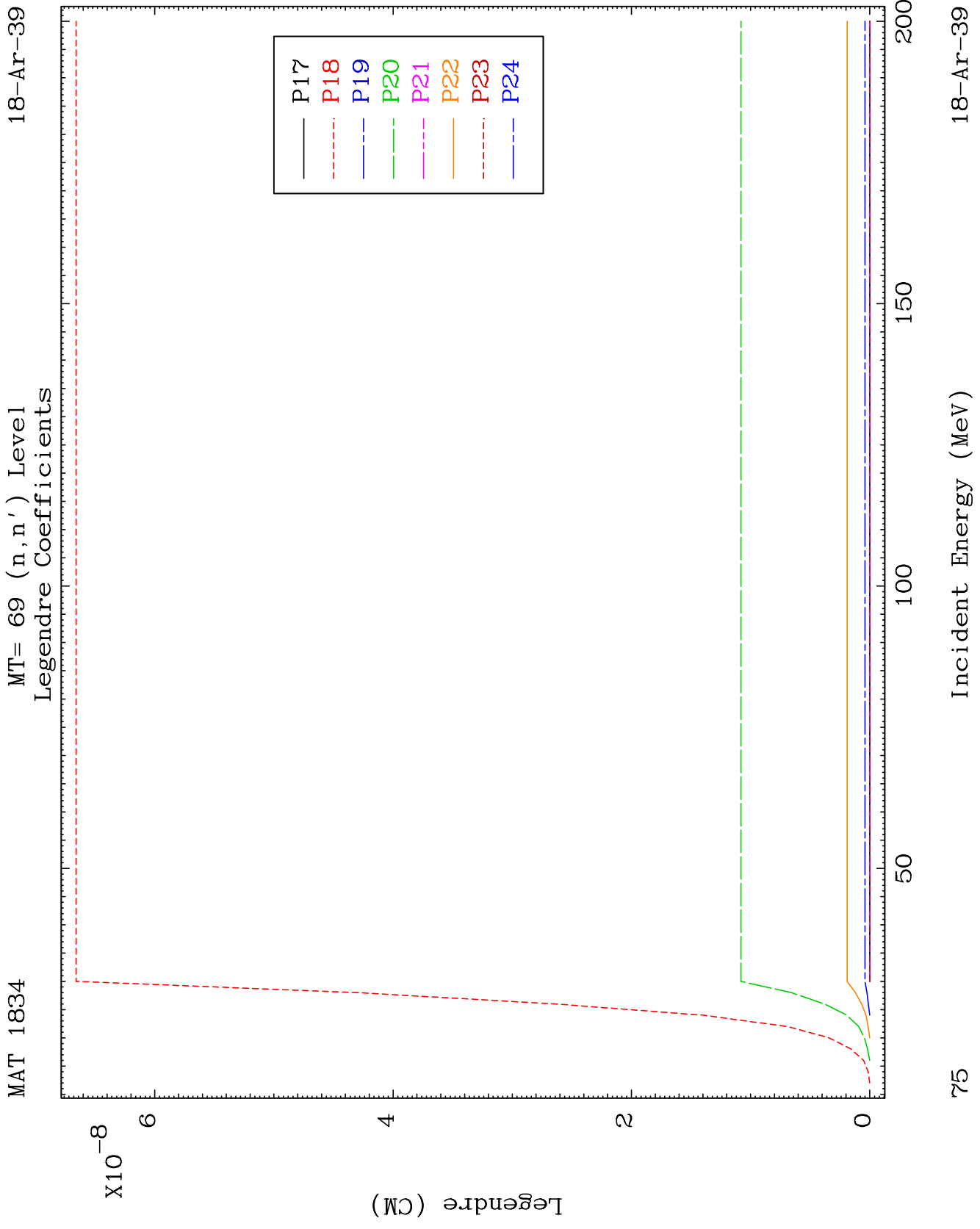
18-Ar-39



74

Incident Energy (MeV)

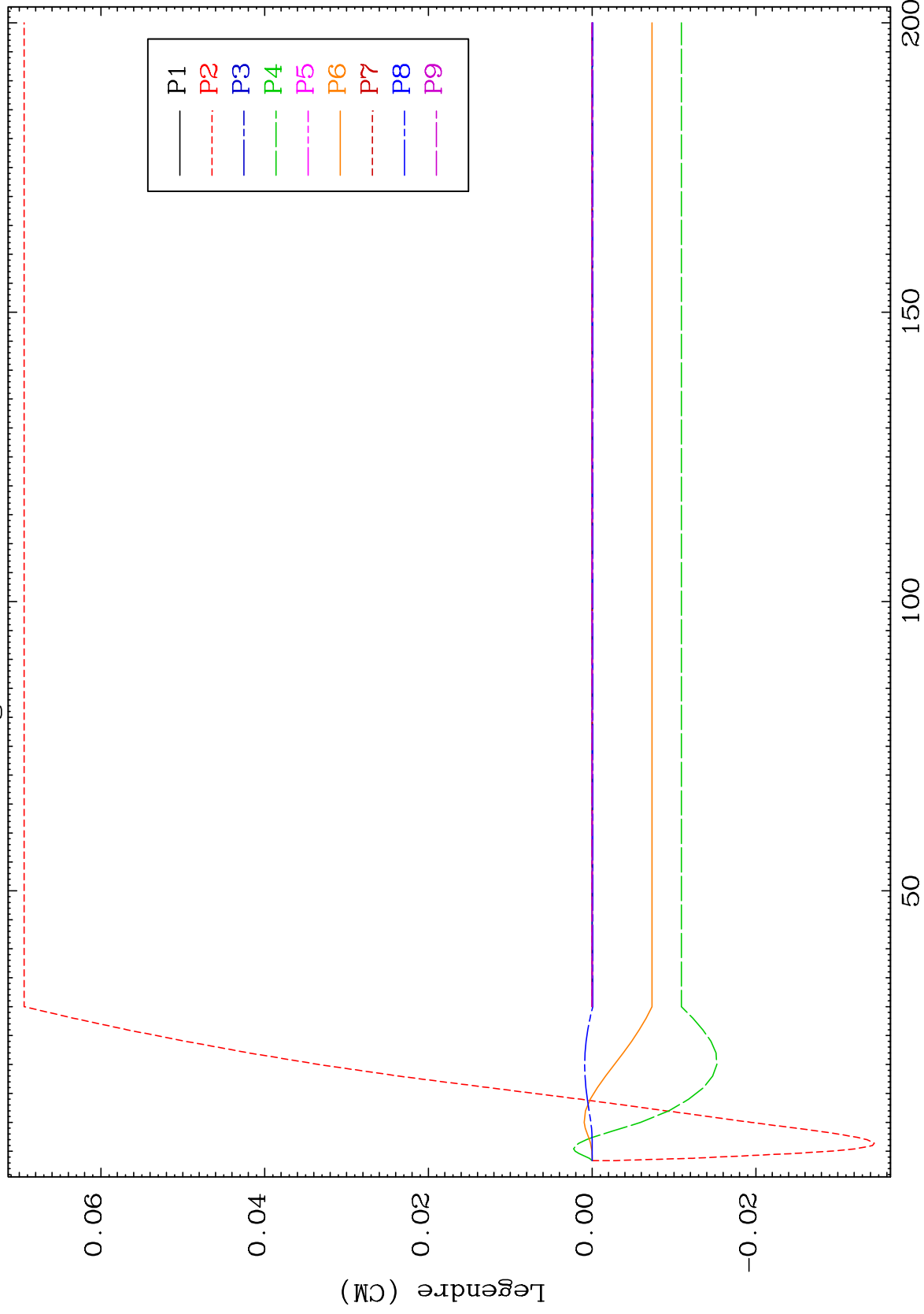
18-Ar-39



MAT 1834

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

18-Ar-39



76

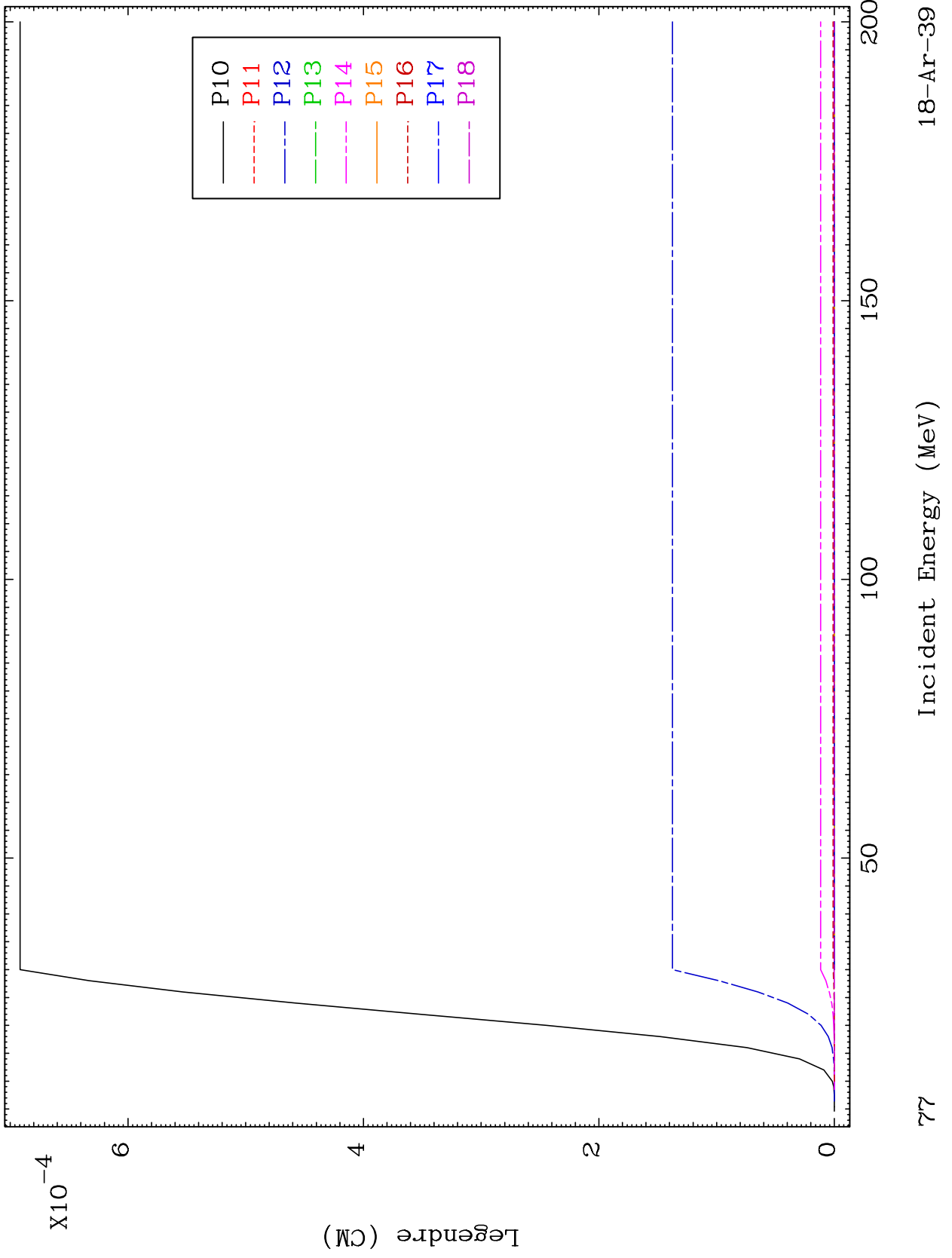
Incident Energy (MeV)

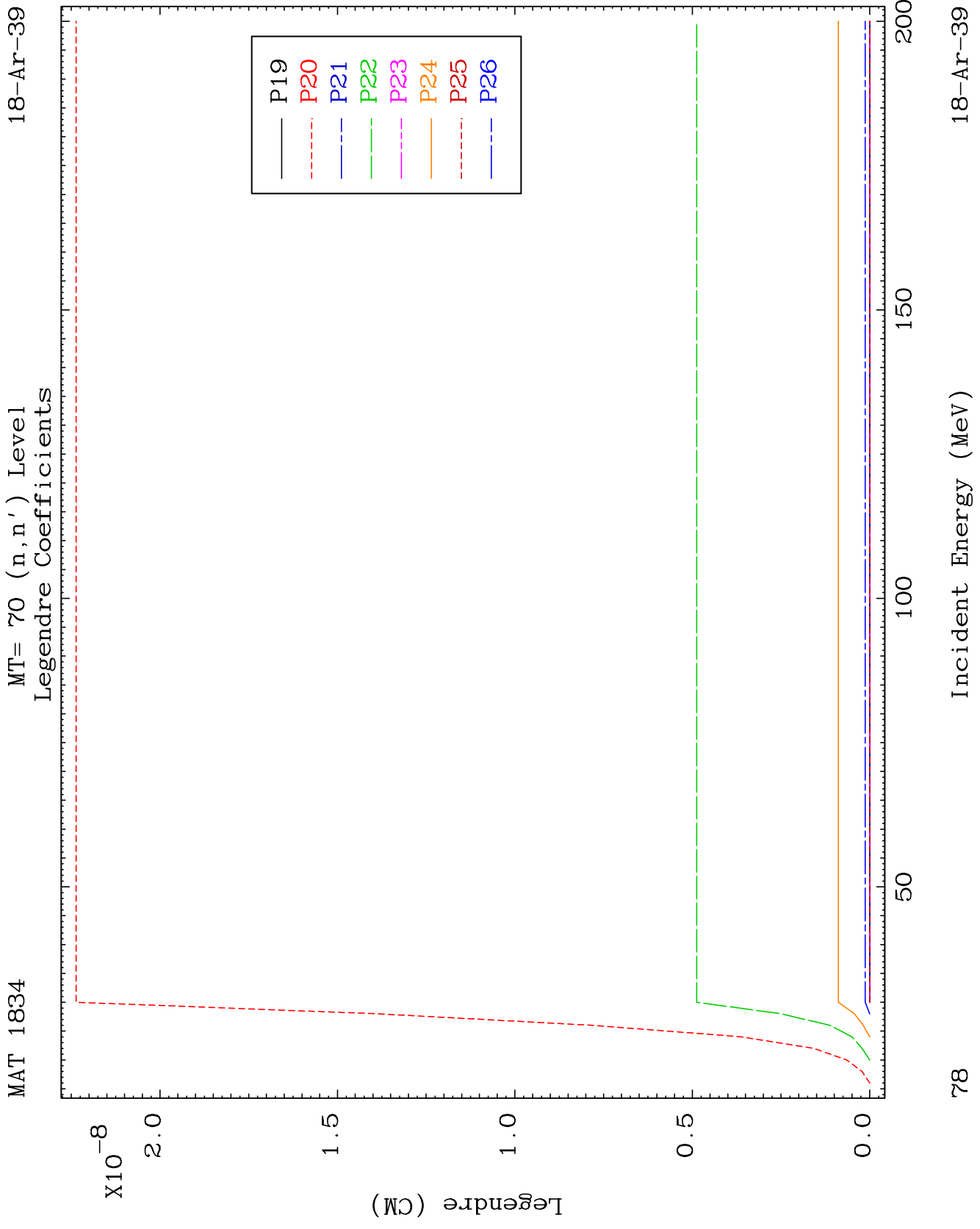
18-Ar-39

MAT 1834

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

18-Ar-39

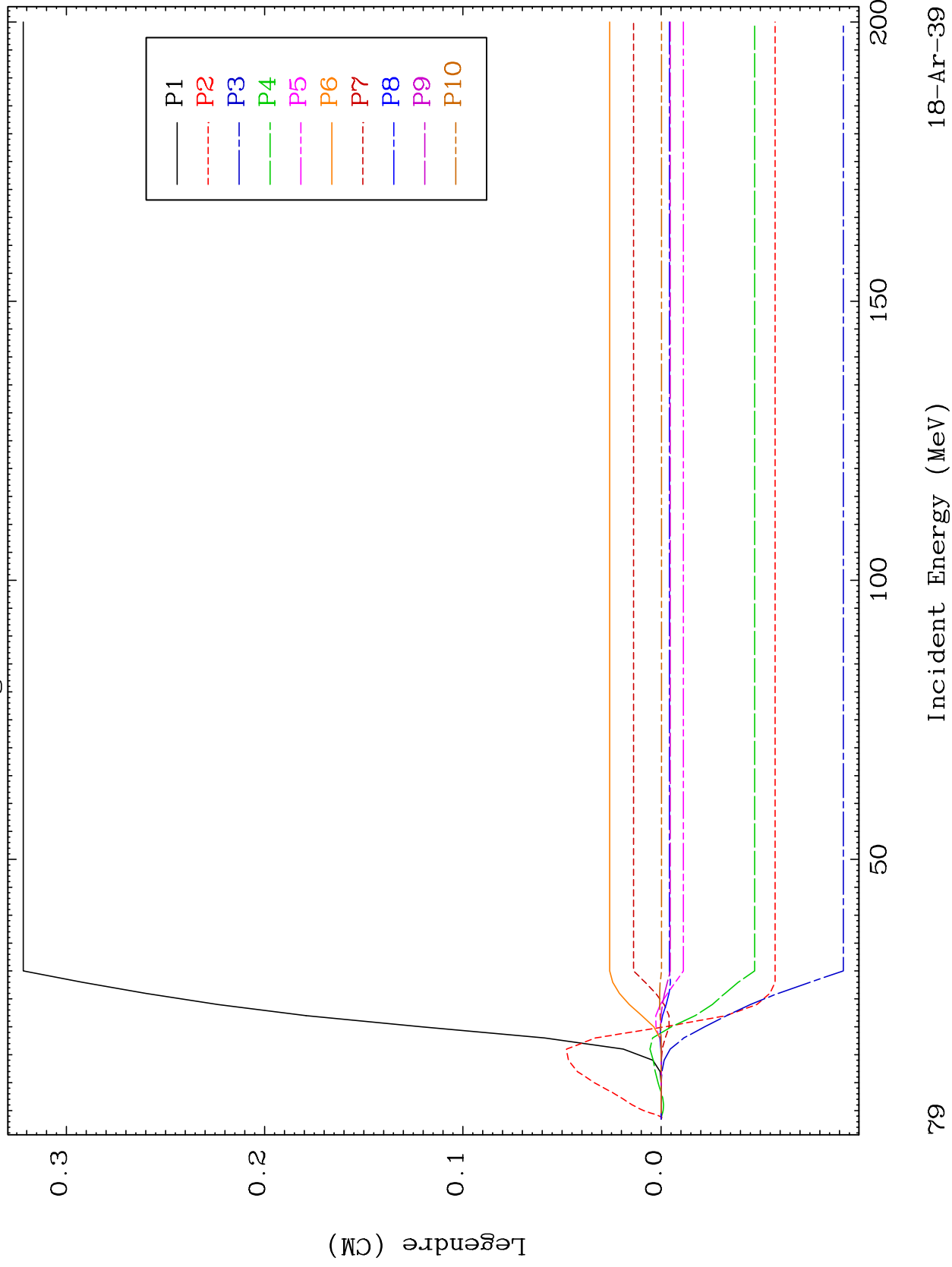




MAT 1834

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

18-Ar-39



79

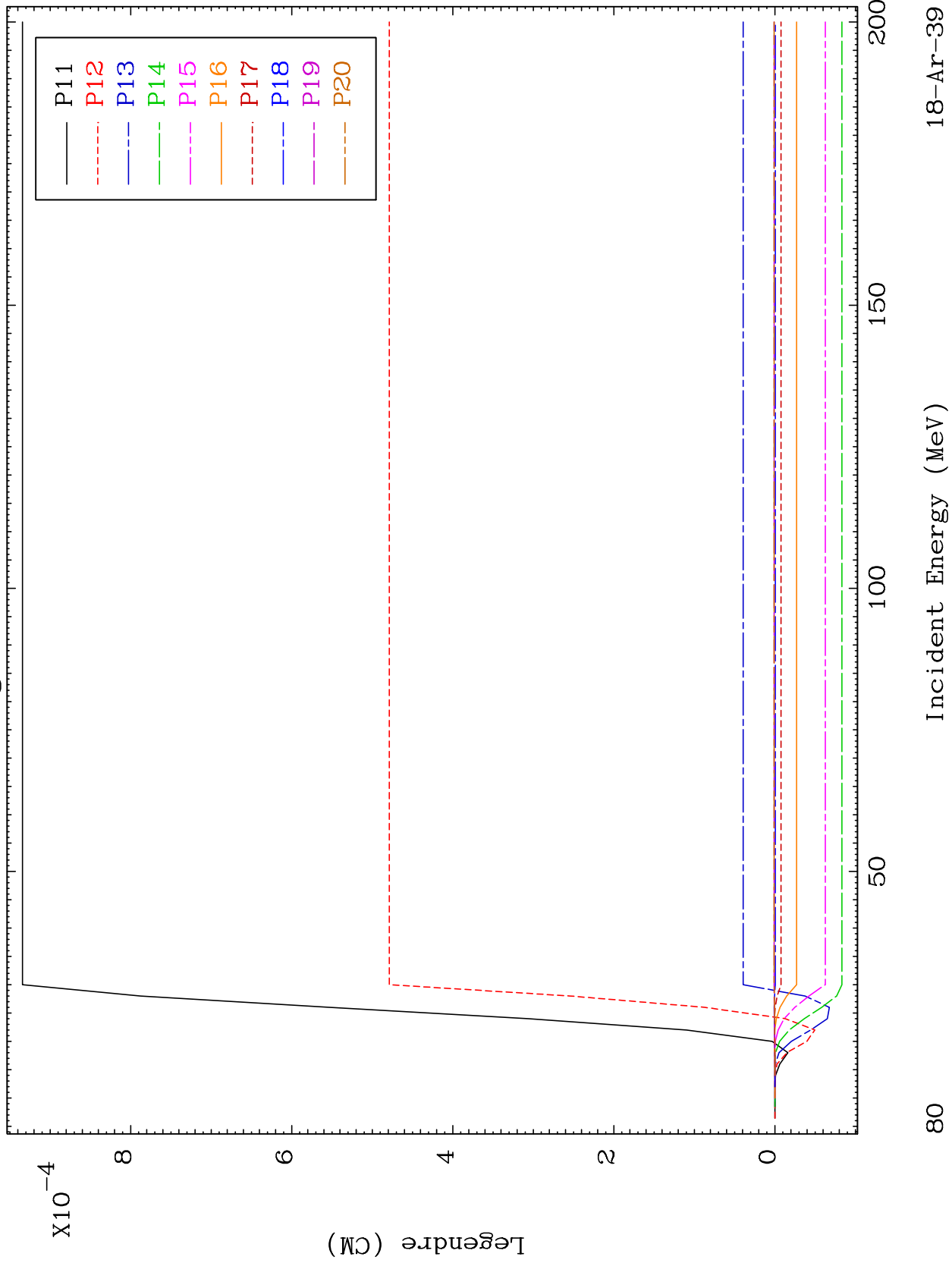
Incident Energy (MeV)

18-Ar-39

MAT 1834

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

18-Ar-39



80

Incident Energy (MeV)

50

100

150

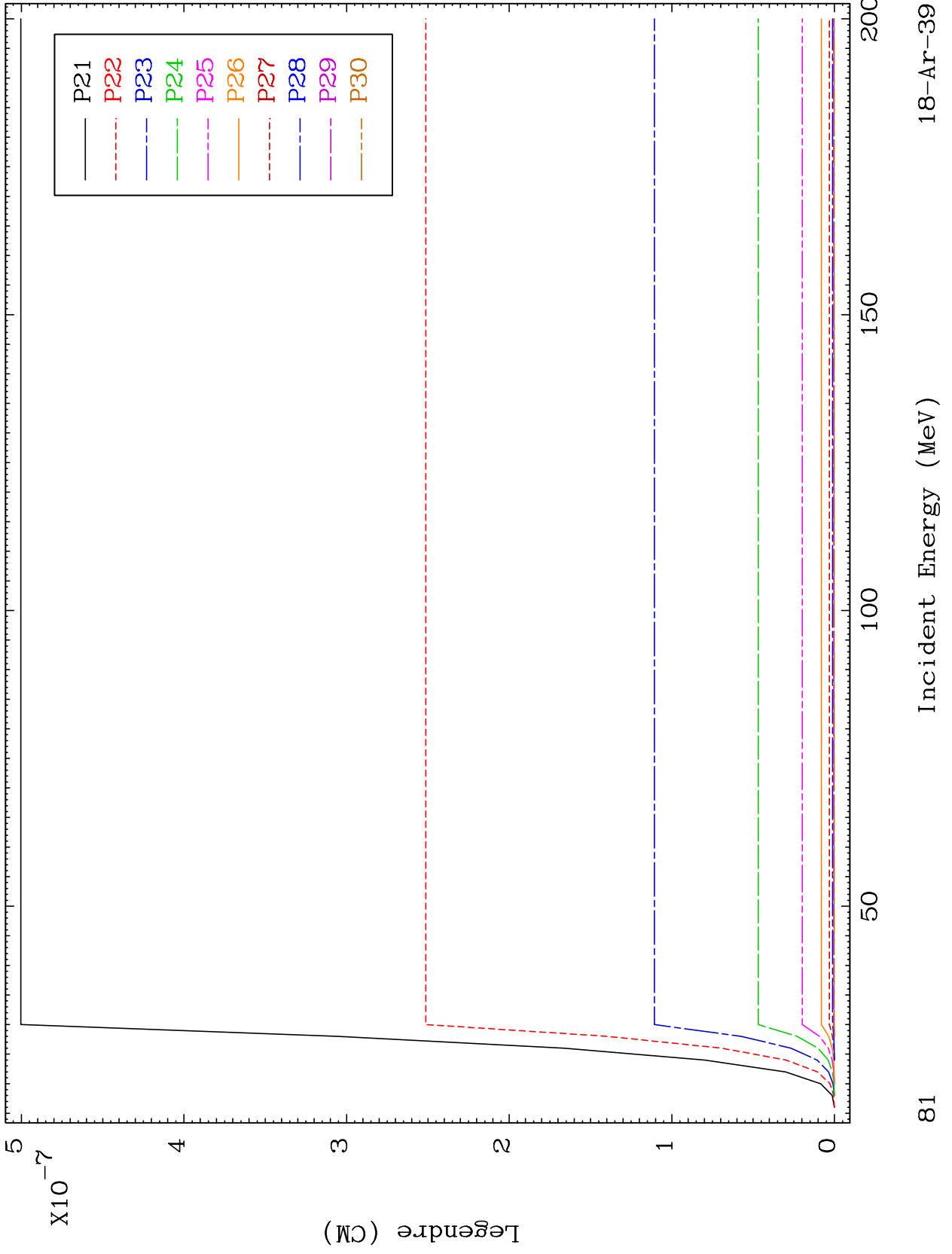
200

18-Ar-39

MAT 1834

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

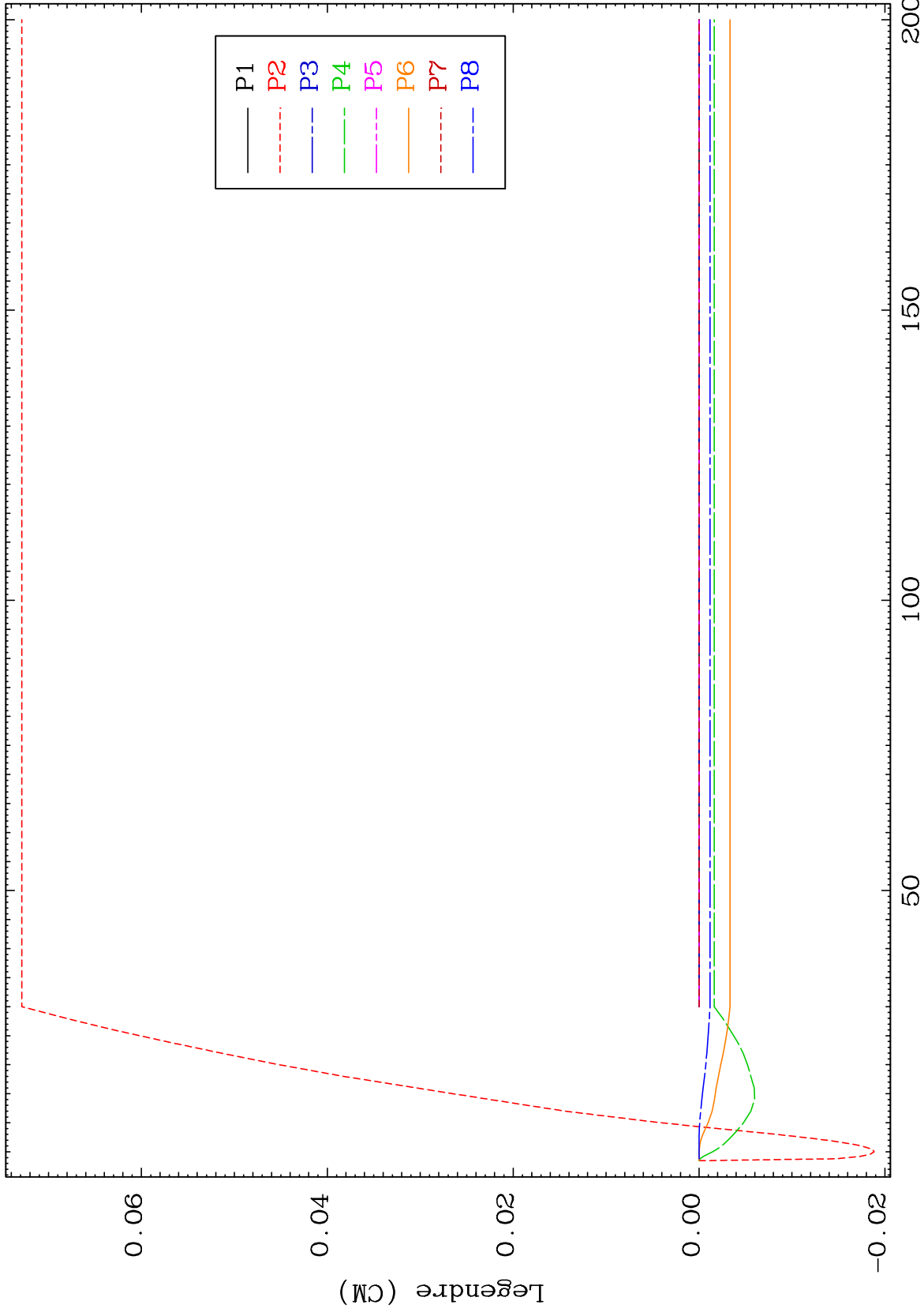
18-Ar-39



MAT 1834

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

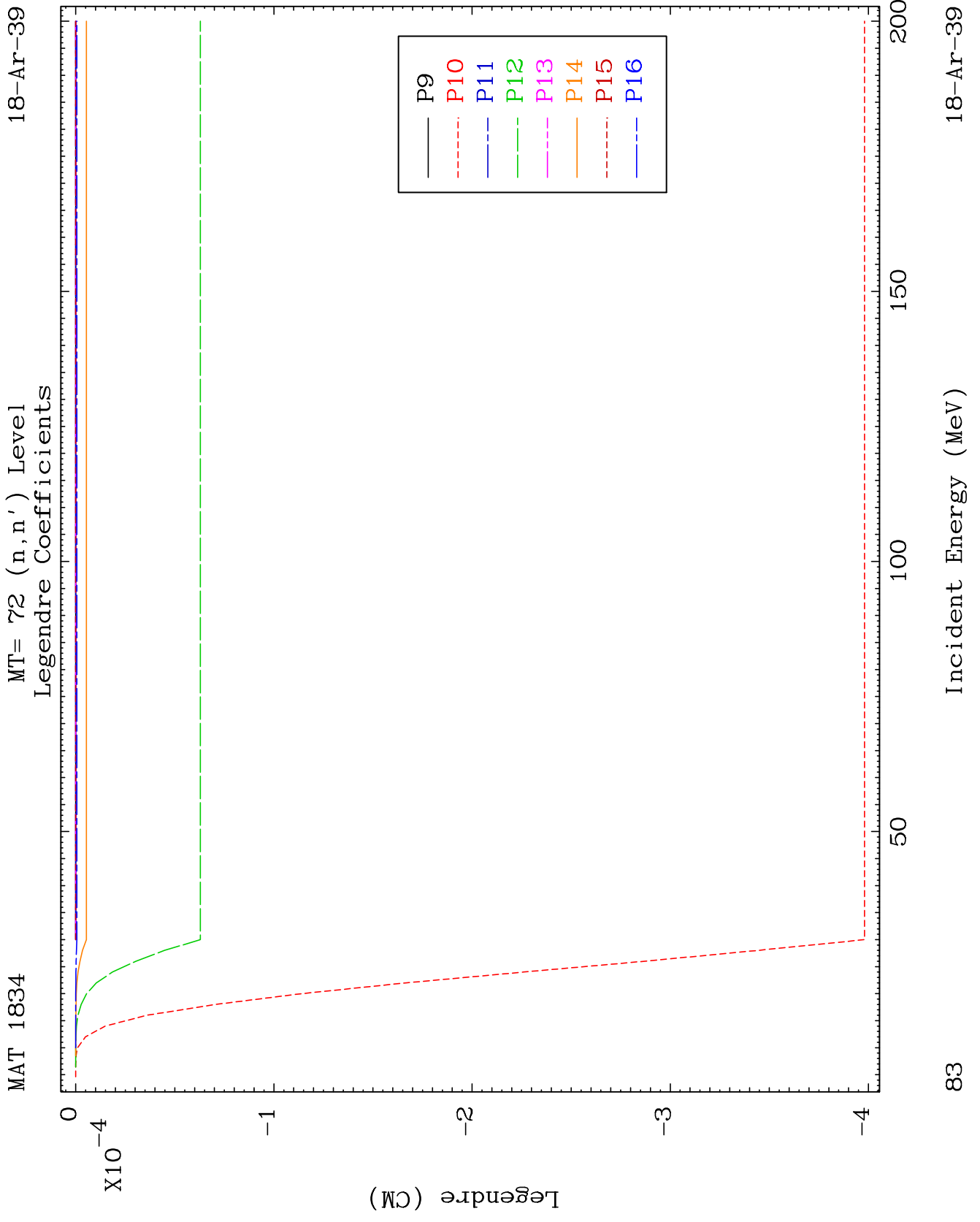
18-Ar-39

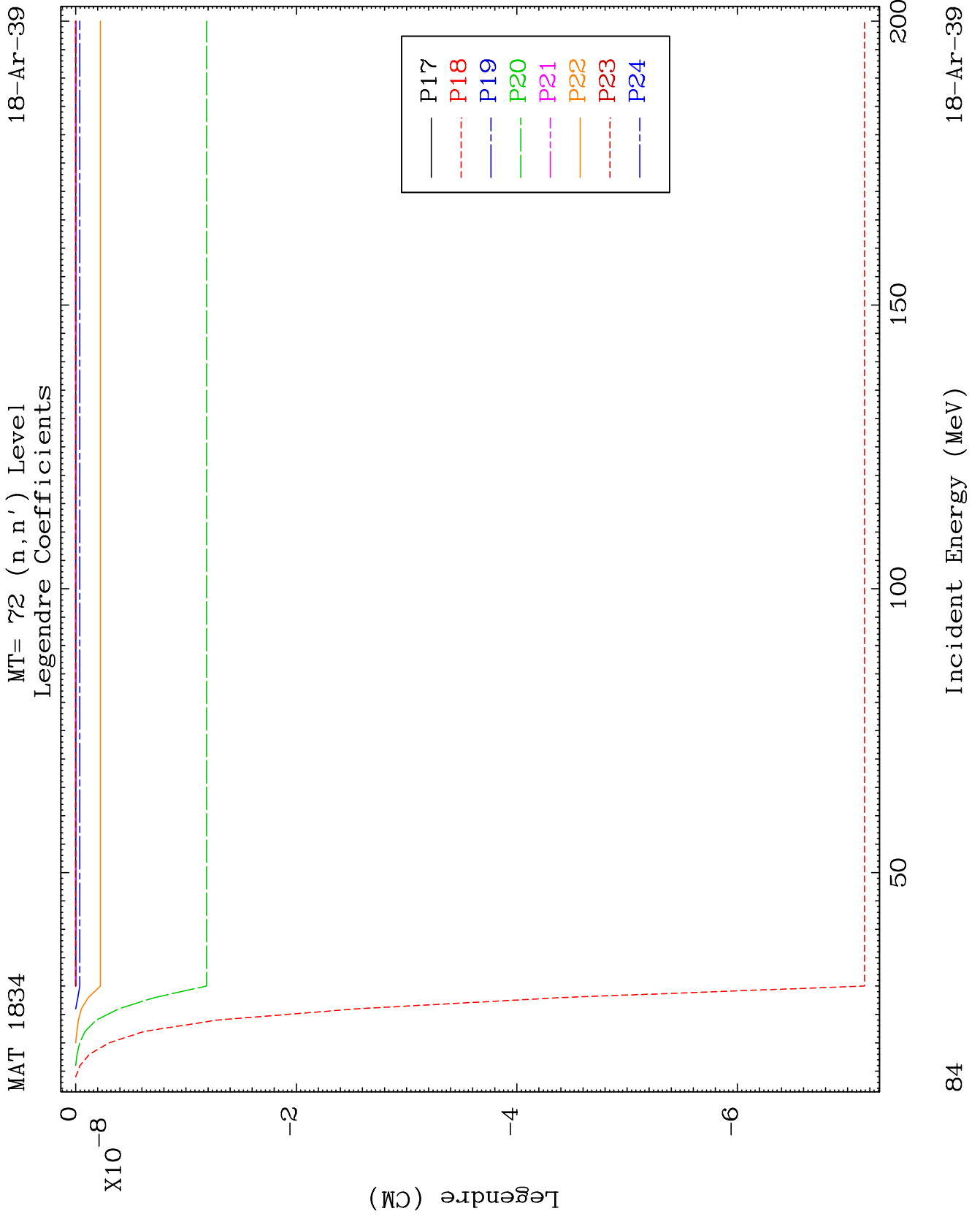


82

Incident Energy (MeV)

18-Ar-39

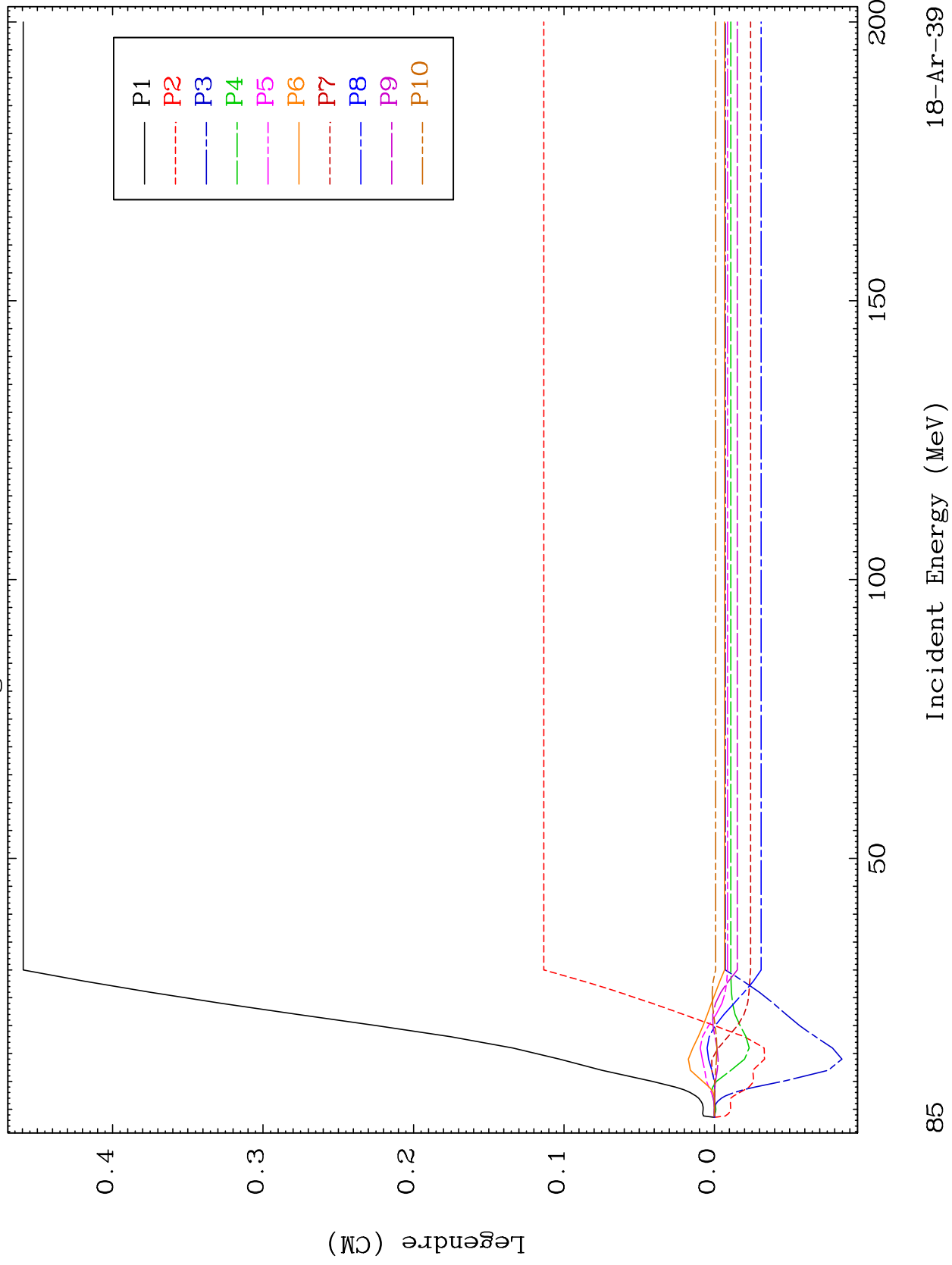




MAT 1834

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

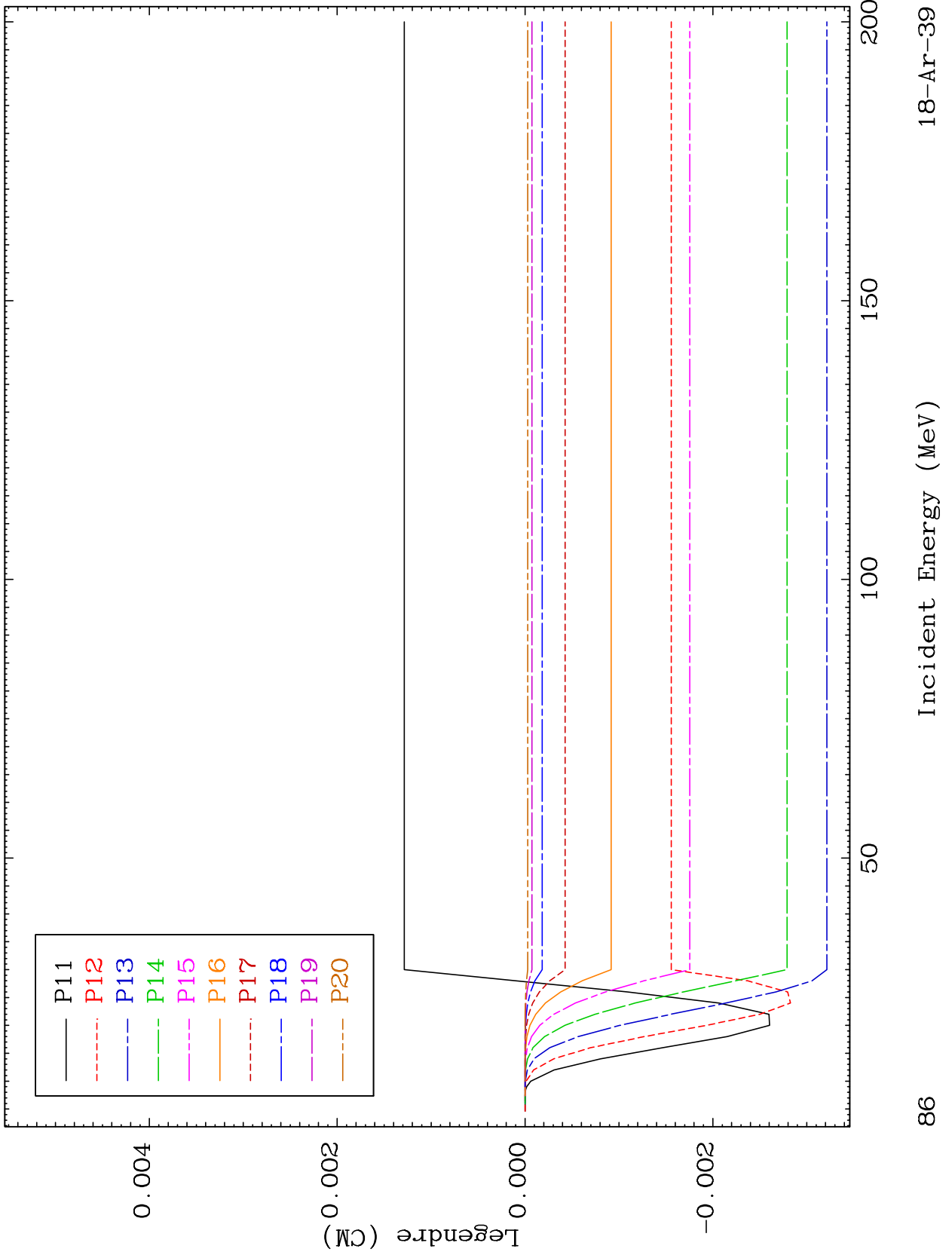
18-Ar-39

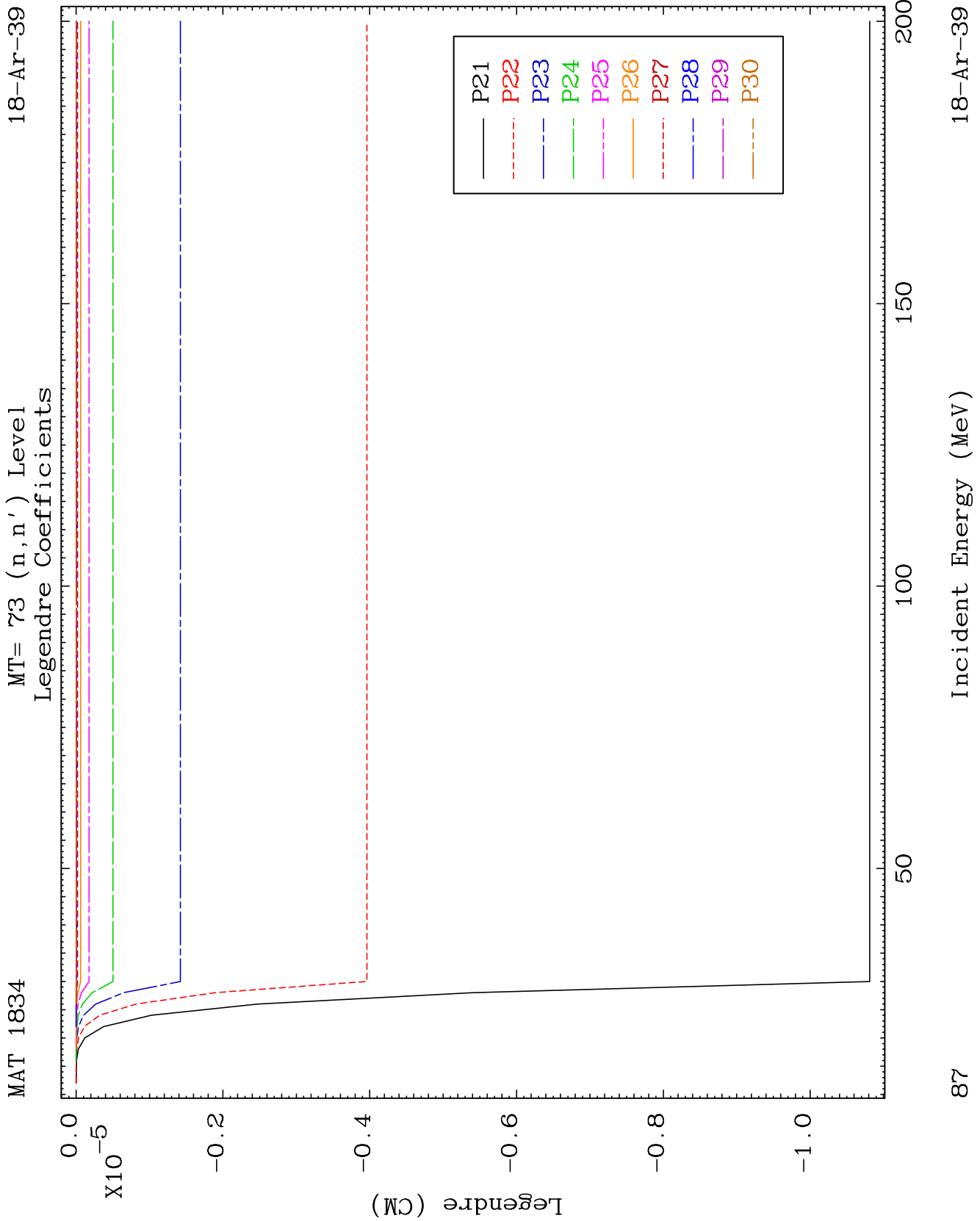


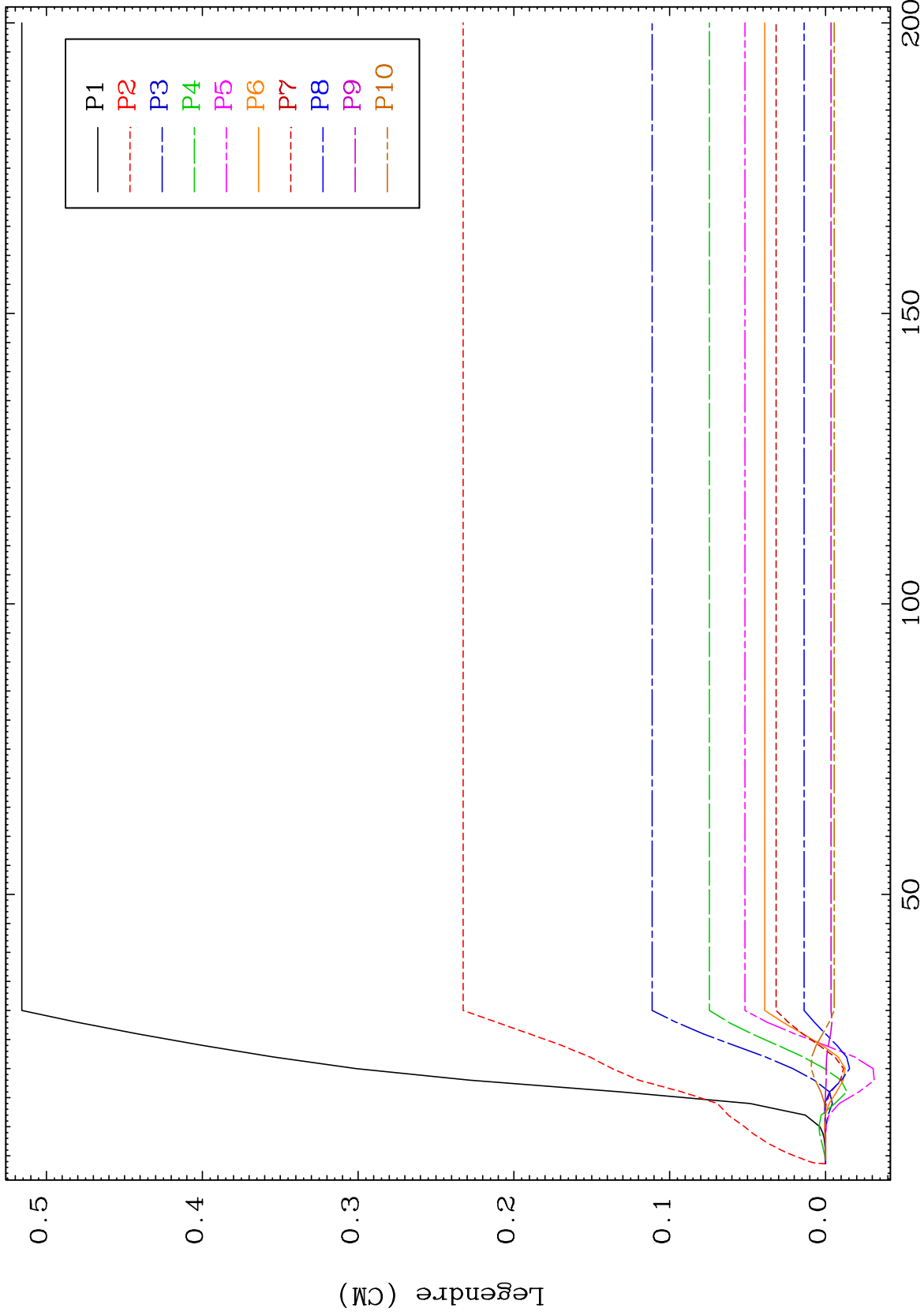
18-Ar-39

Incident Energy (MeV)

85



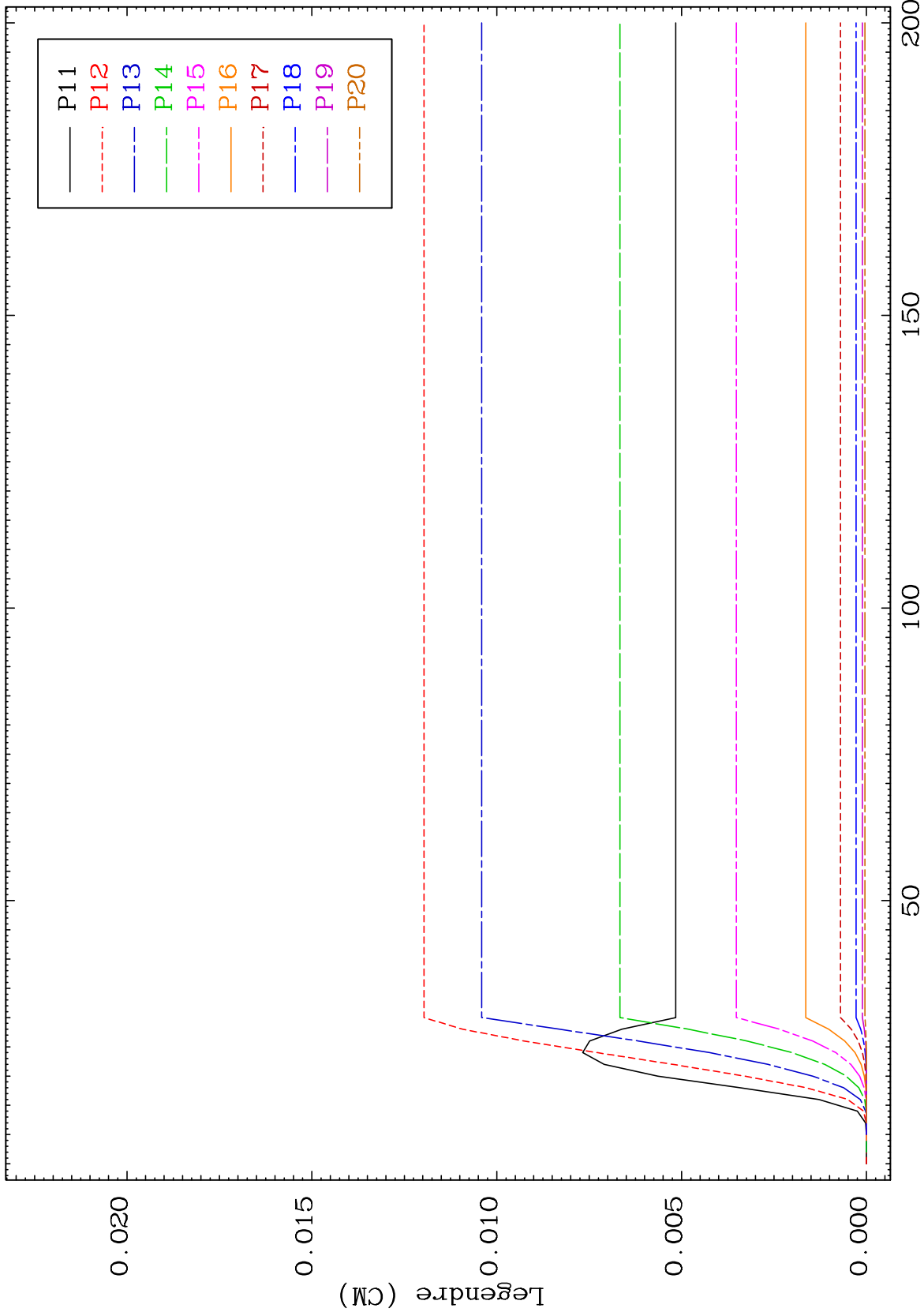




MAT 1834

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

18-Ar-39



89

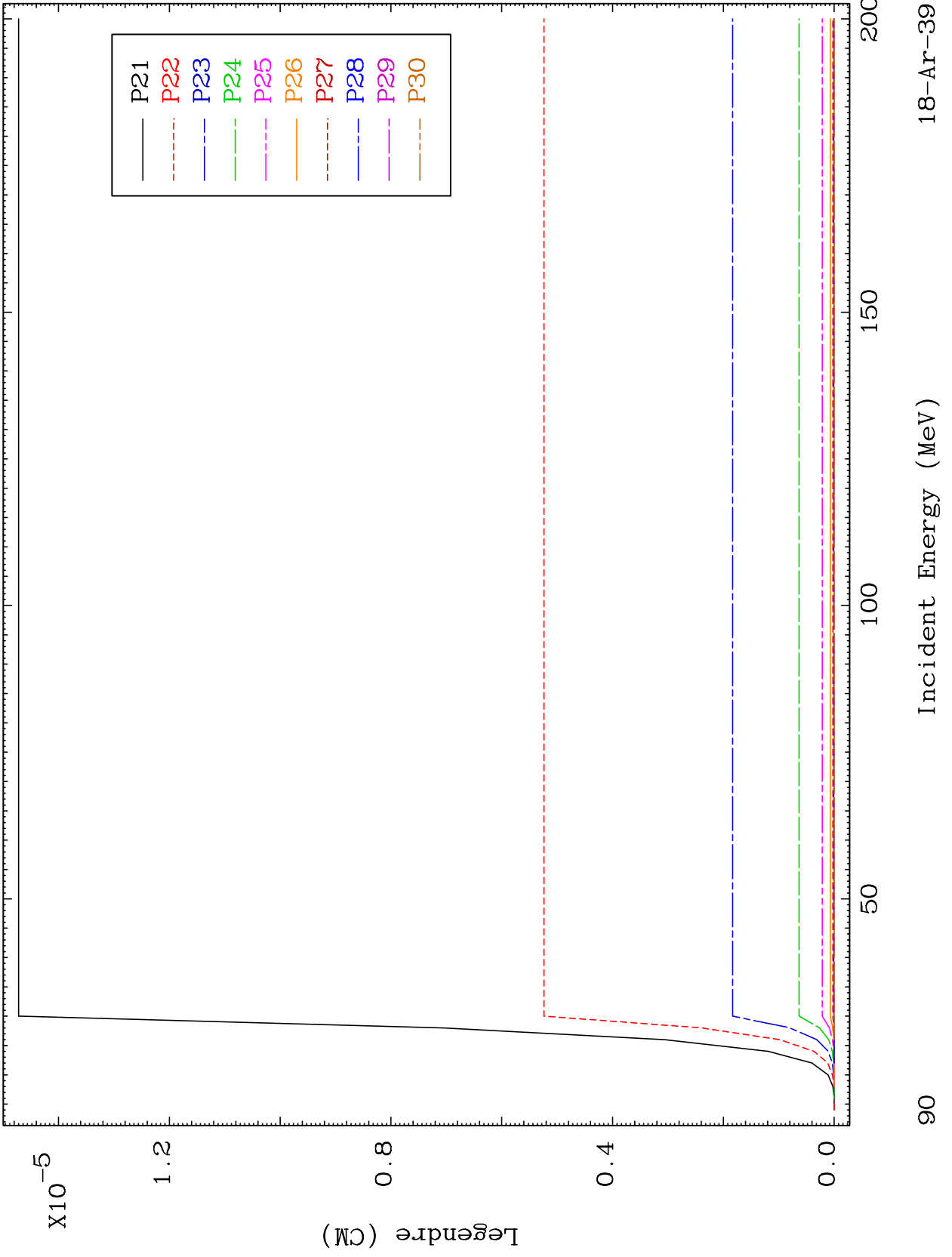
Incident Energy (MeV)

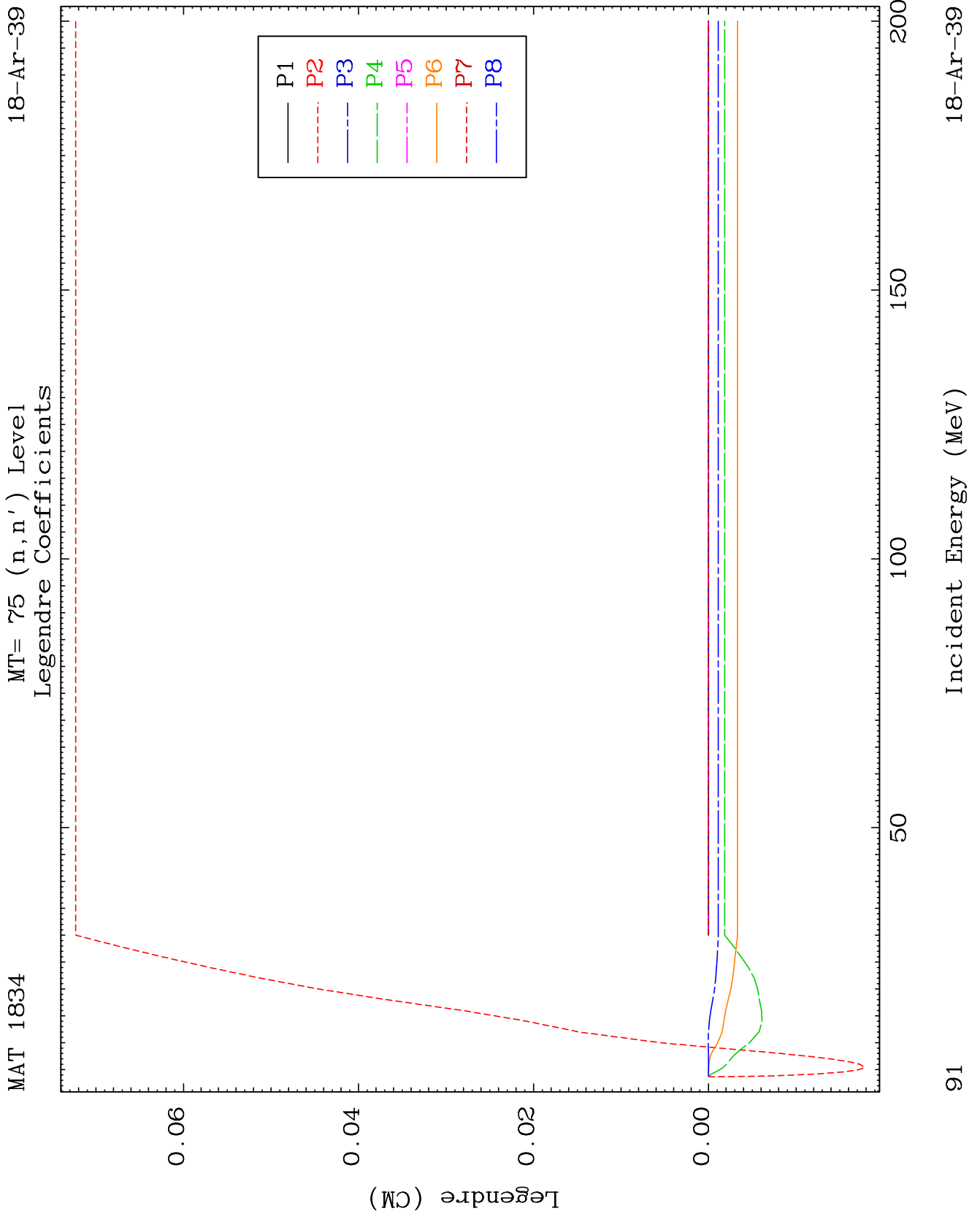
18-Ar-39

MAT 1834

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

18-Ar-39

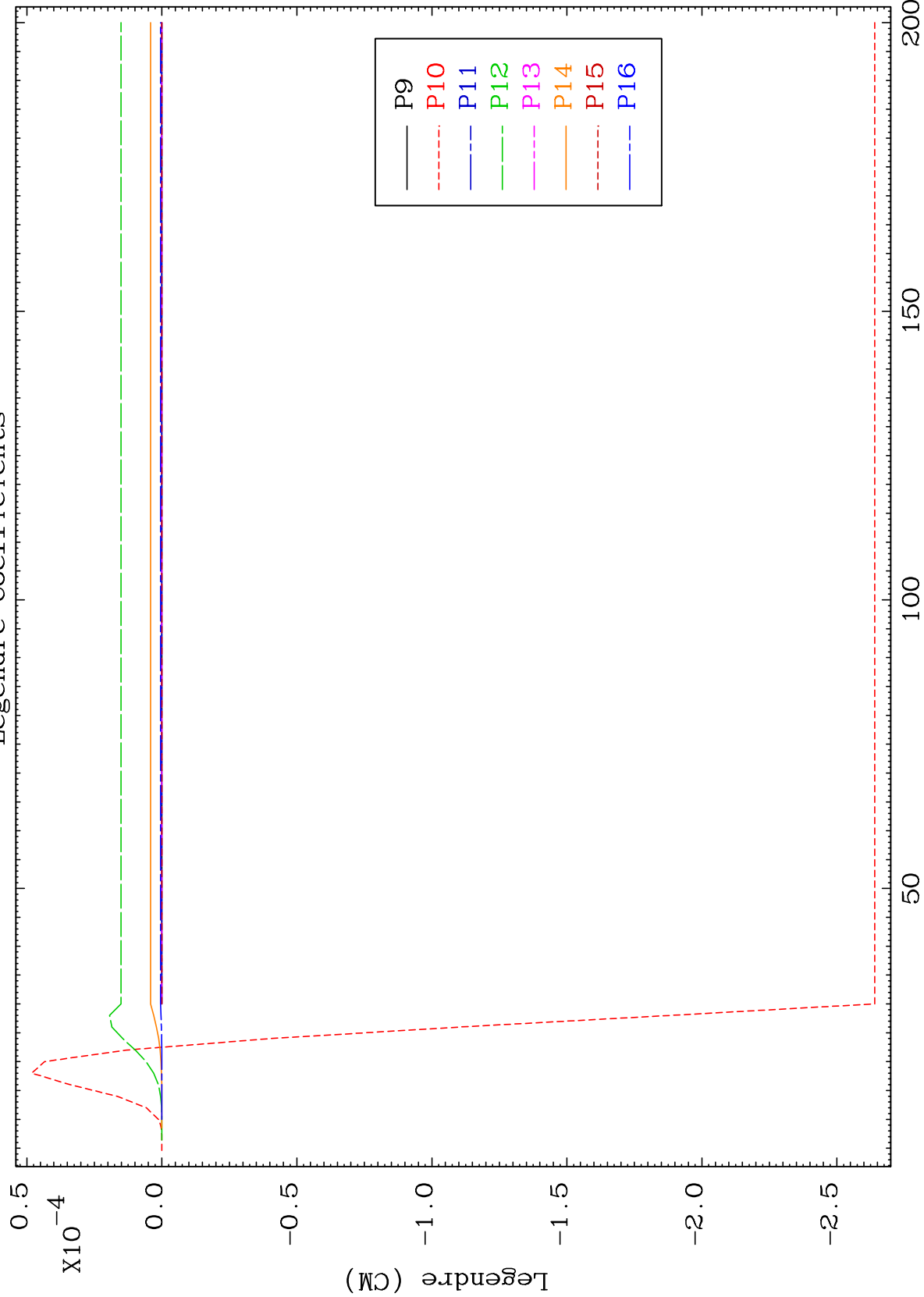




MAT 1834

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

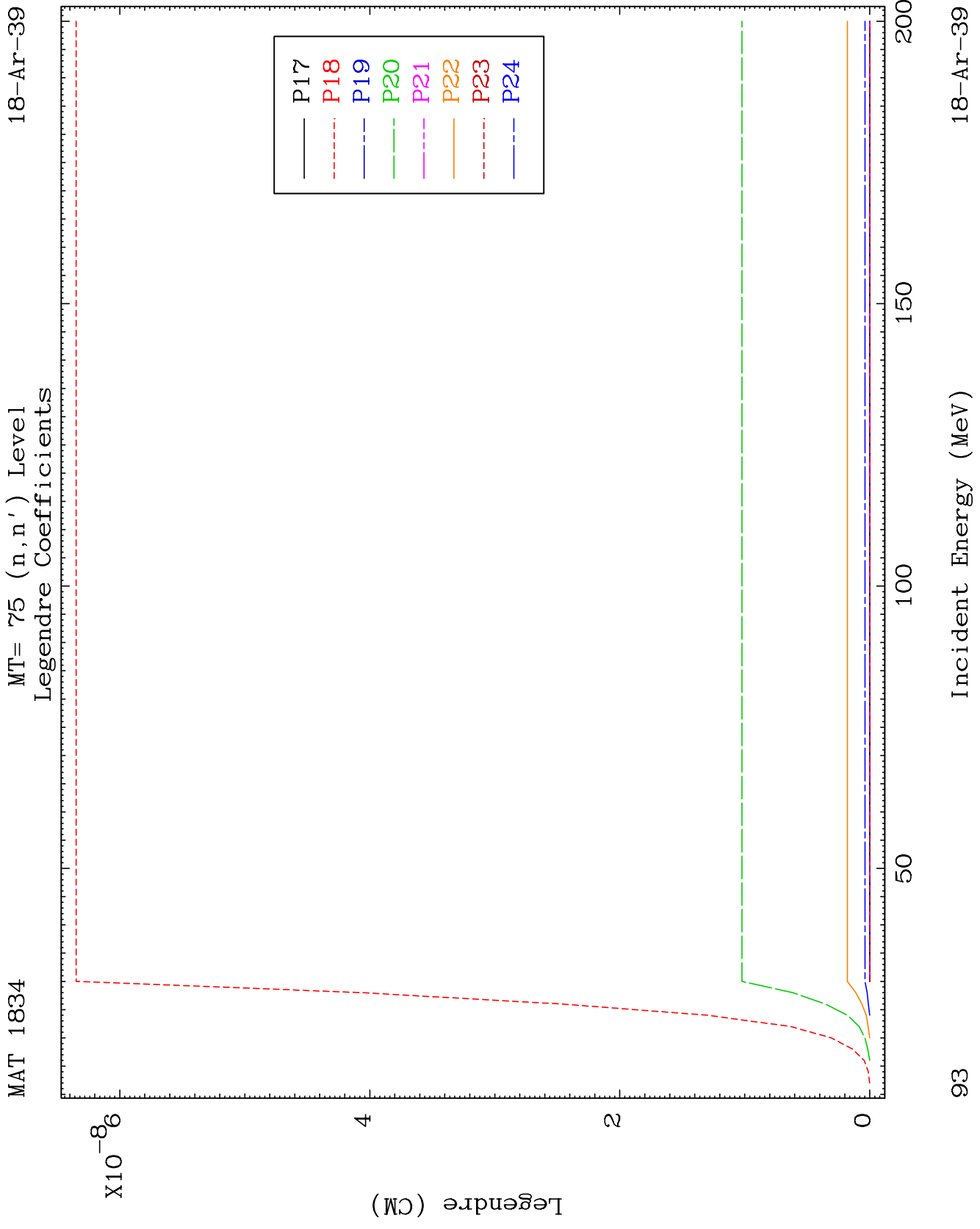
18-Ar-39



92

Incident Energy (MeV)

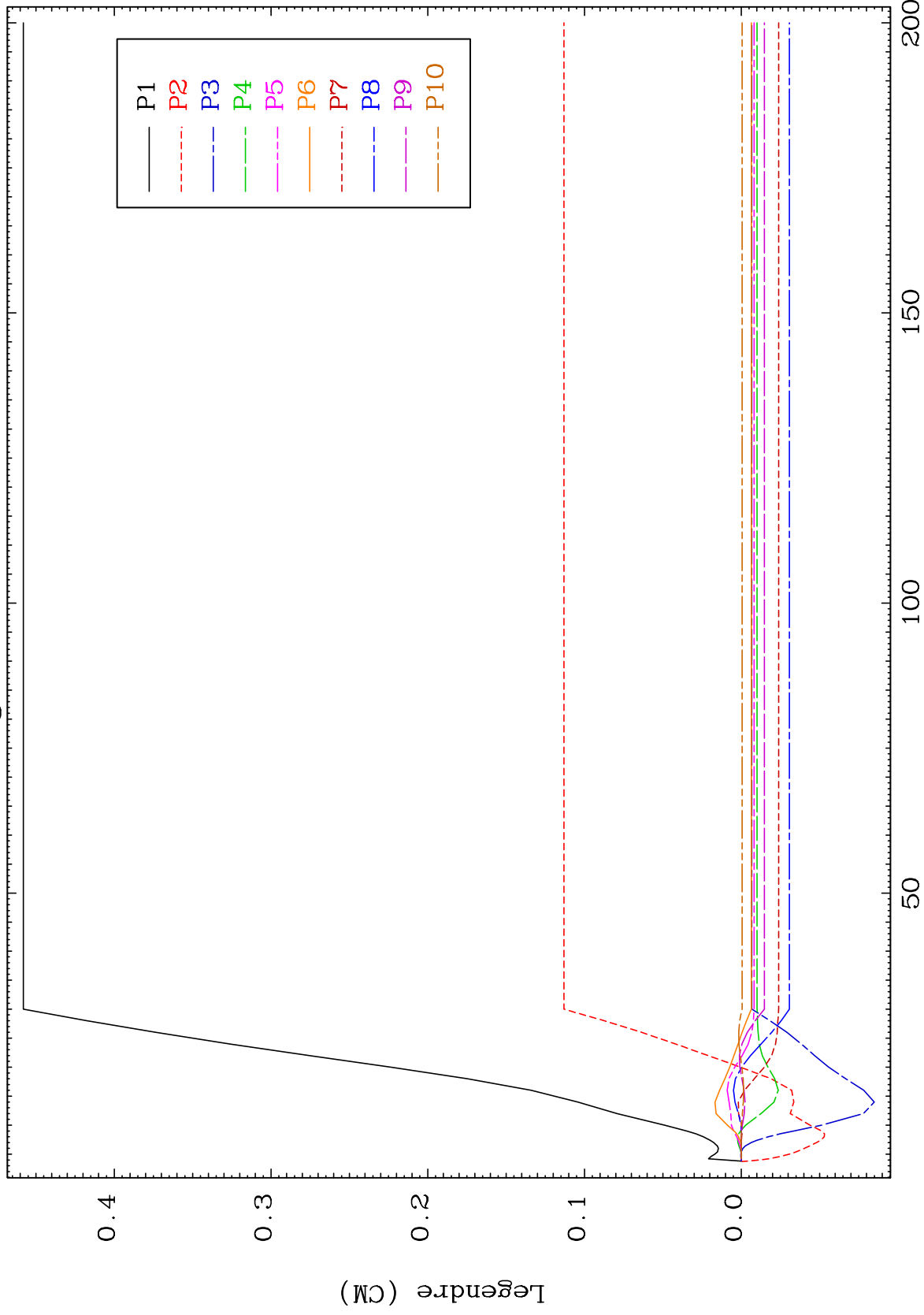
18-Ar-39



MAT 1834

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

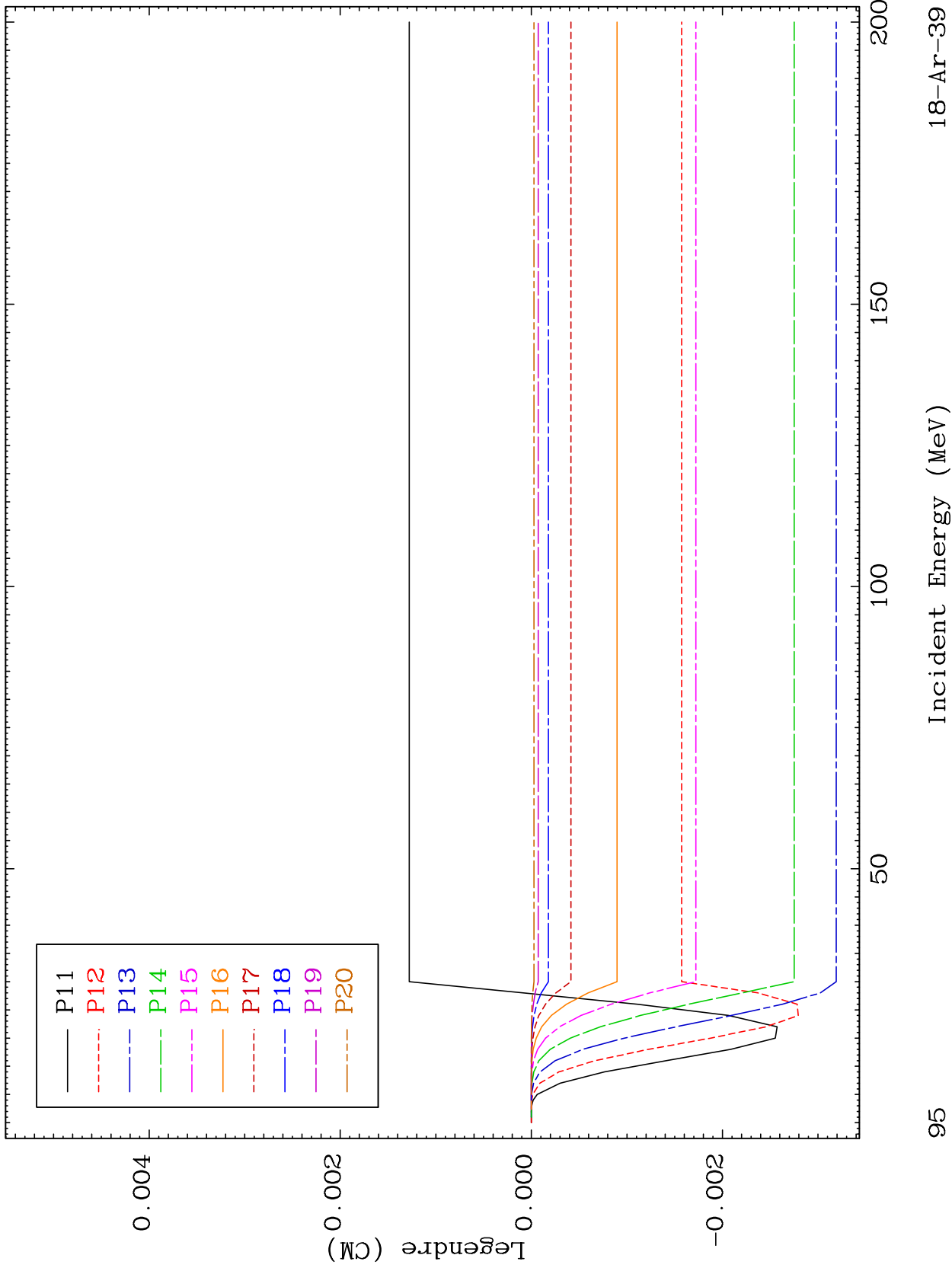
18-Ar-39



94

Incident Energy (MeV)

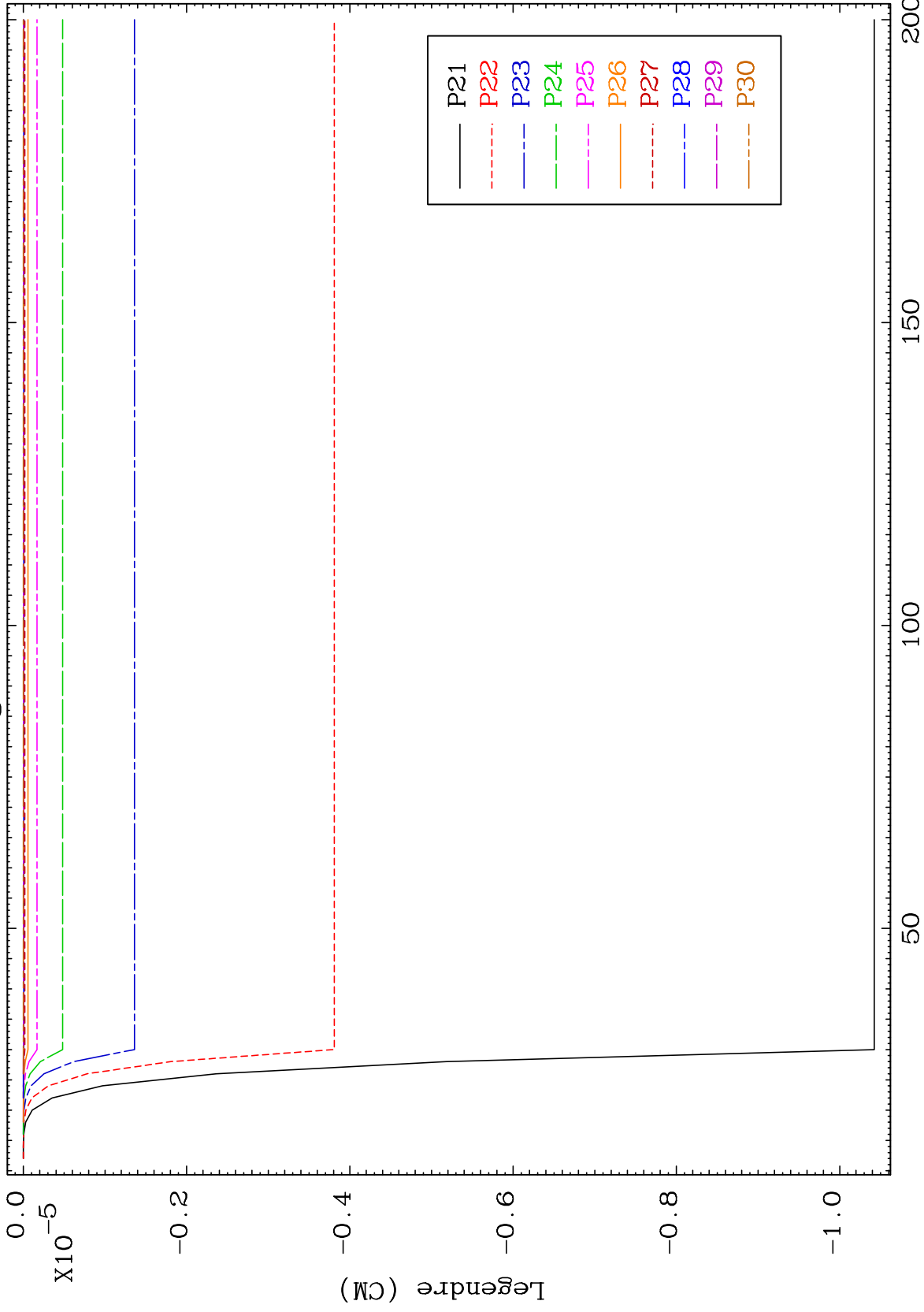
18-Ar-39



MAT 1834

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

18-Ar-39



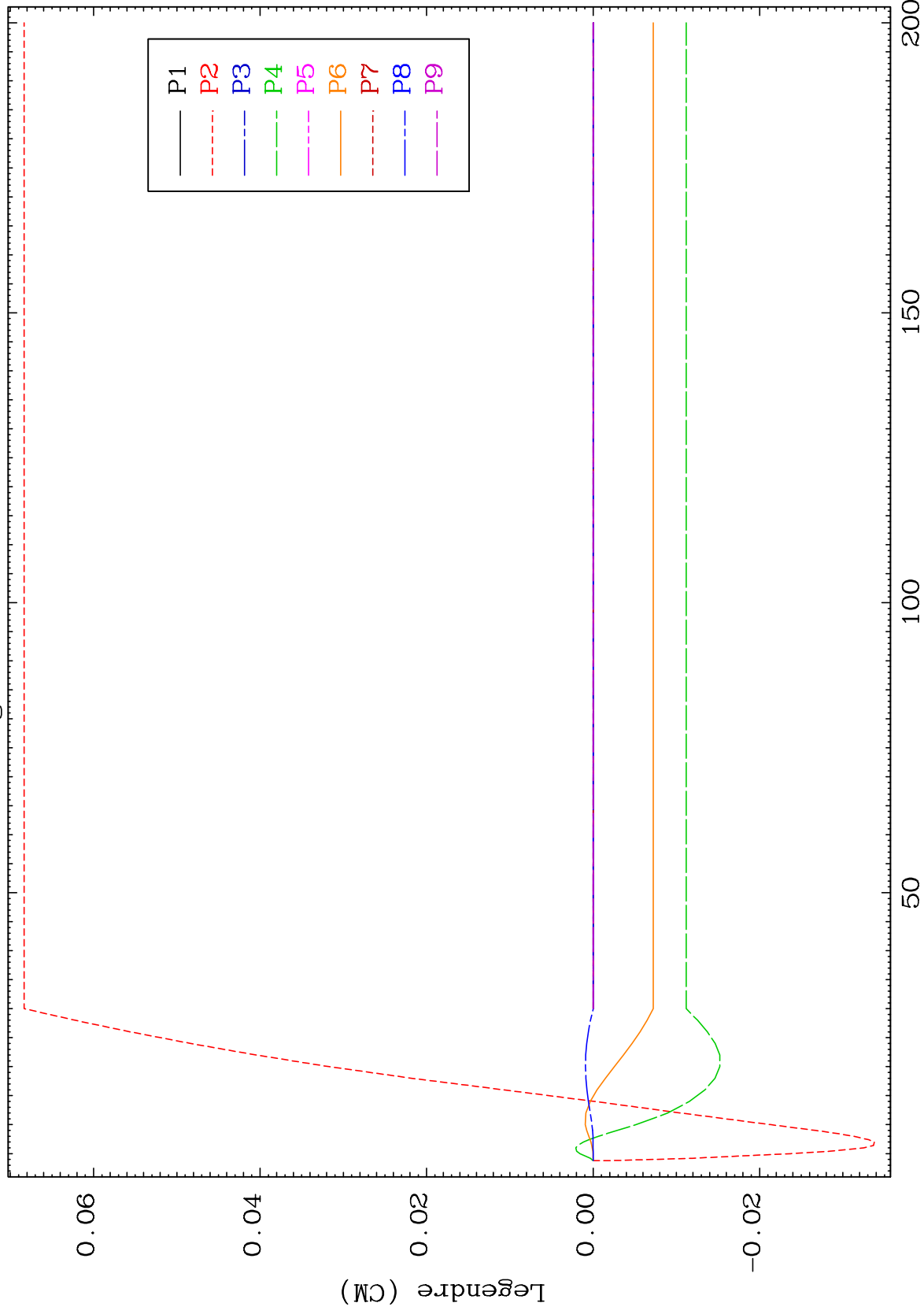
96

18-Ar-39

MAT 1834

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

18-Ar-39



97

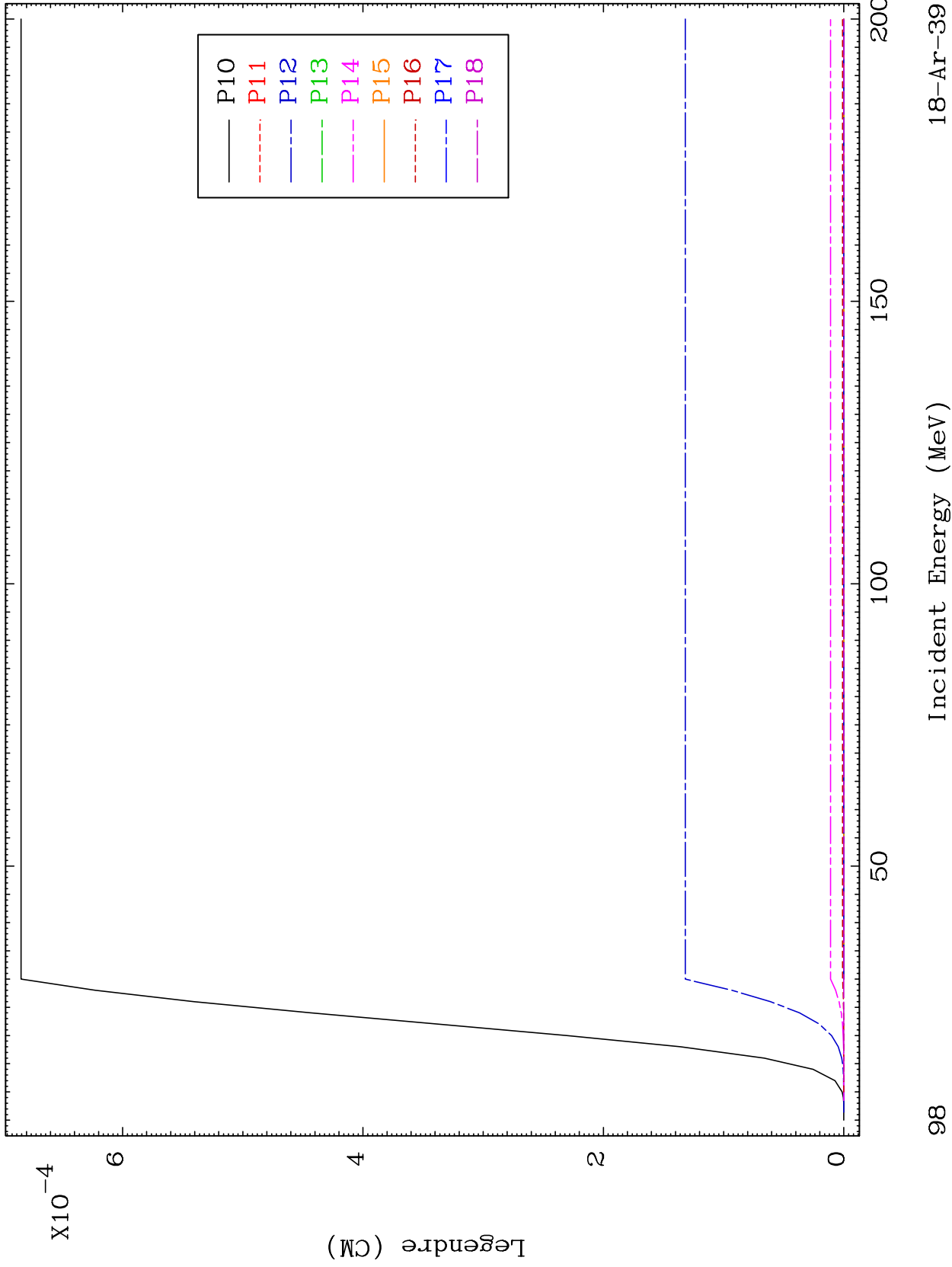
Incident Energy (MeV)

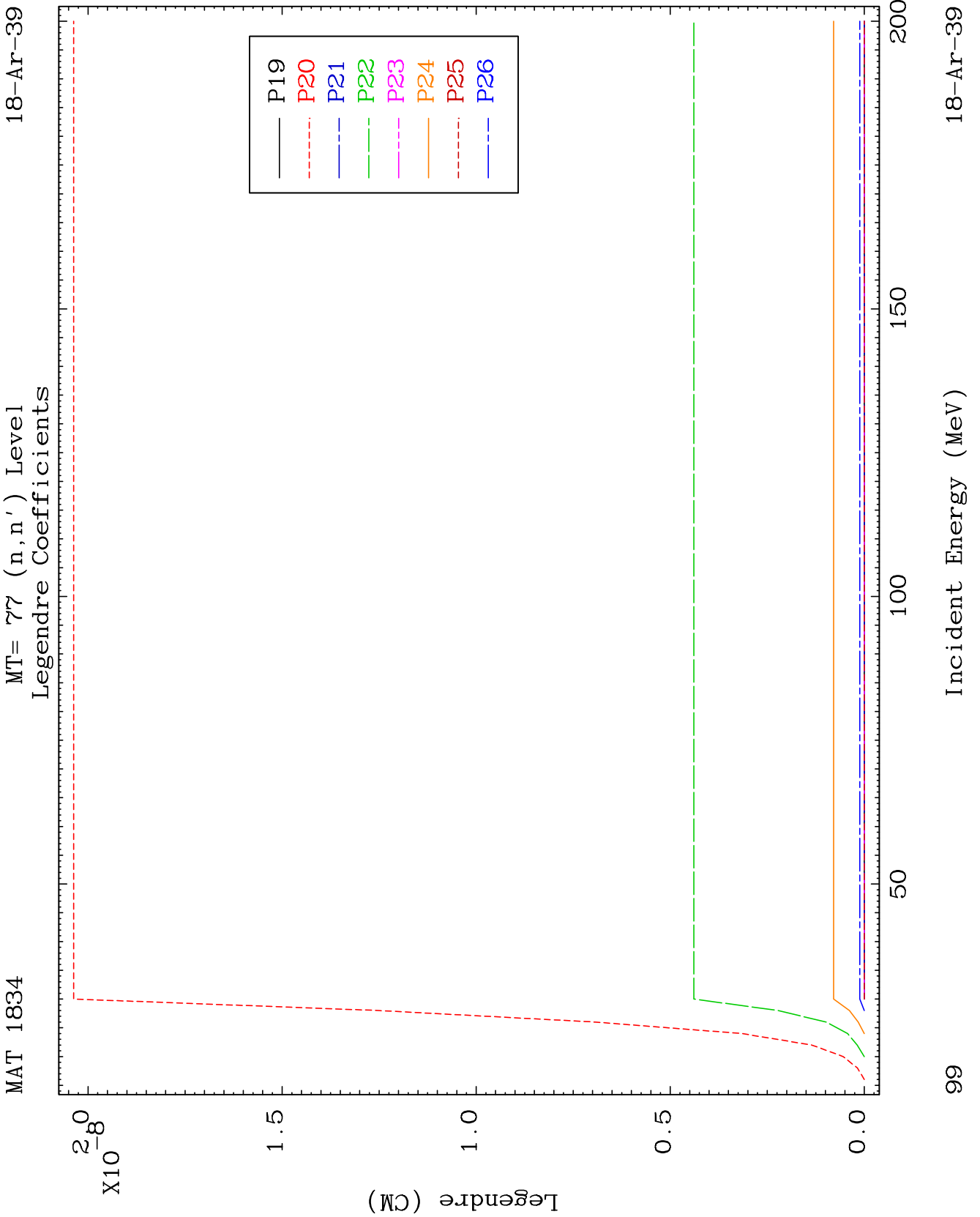
18-Ar-39

MAT 1834

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

18-Ar-39

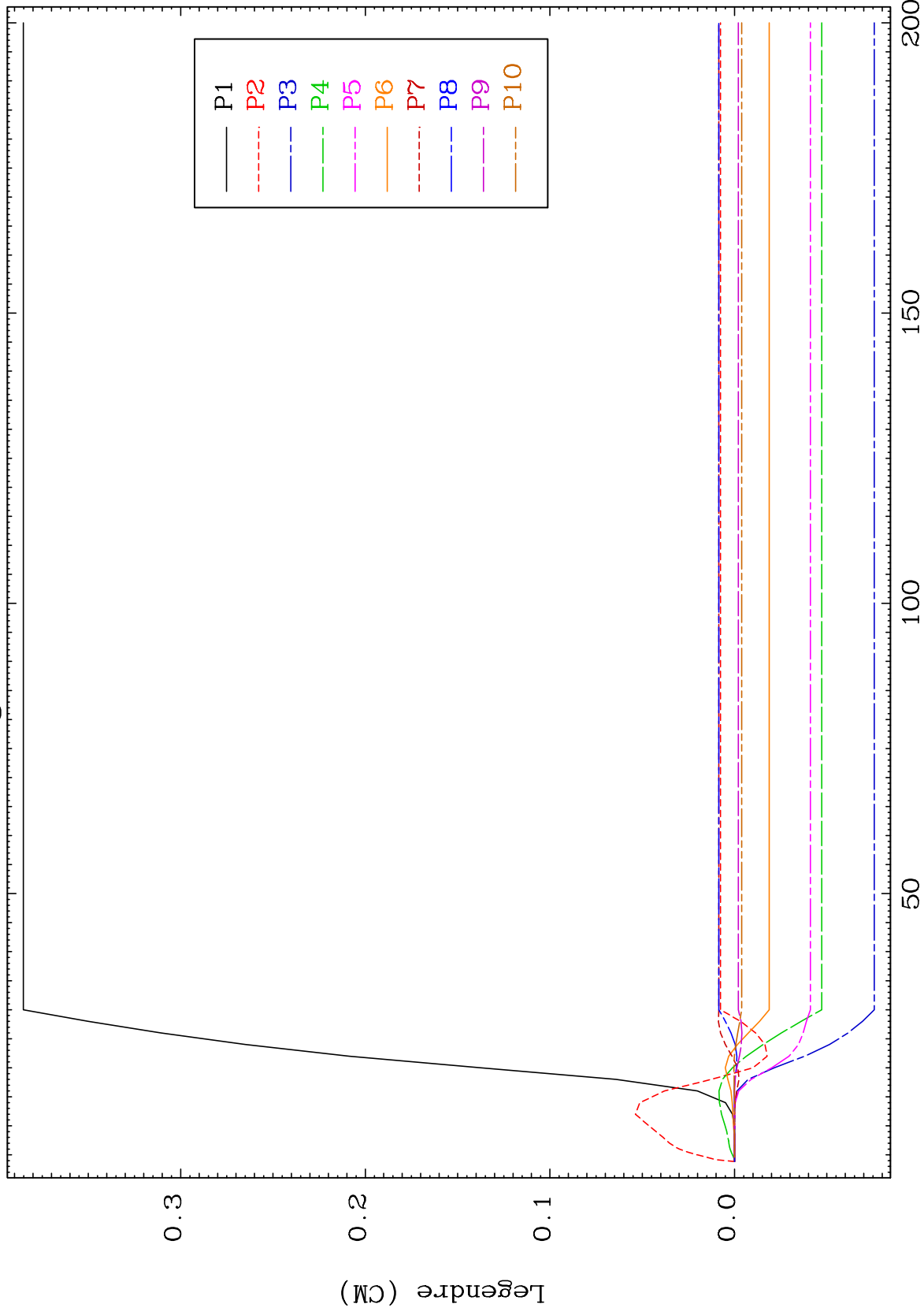




MAT 1834

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

18-Ar-39



100

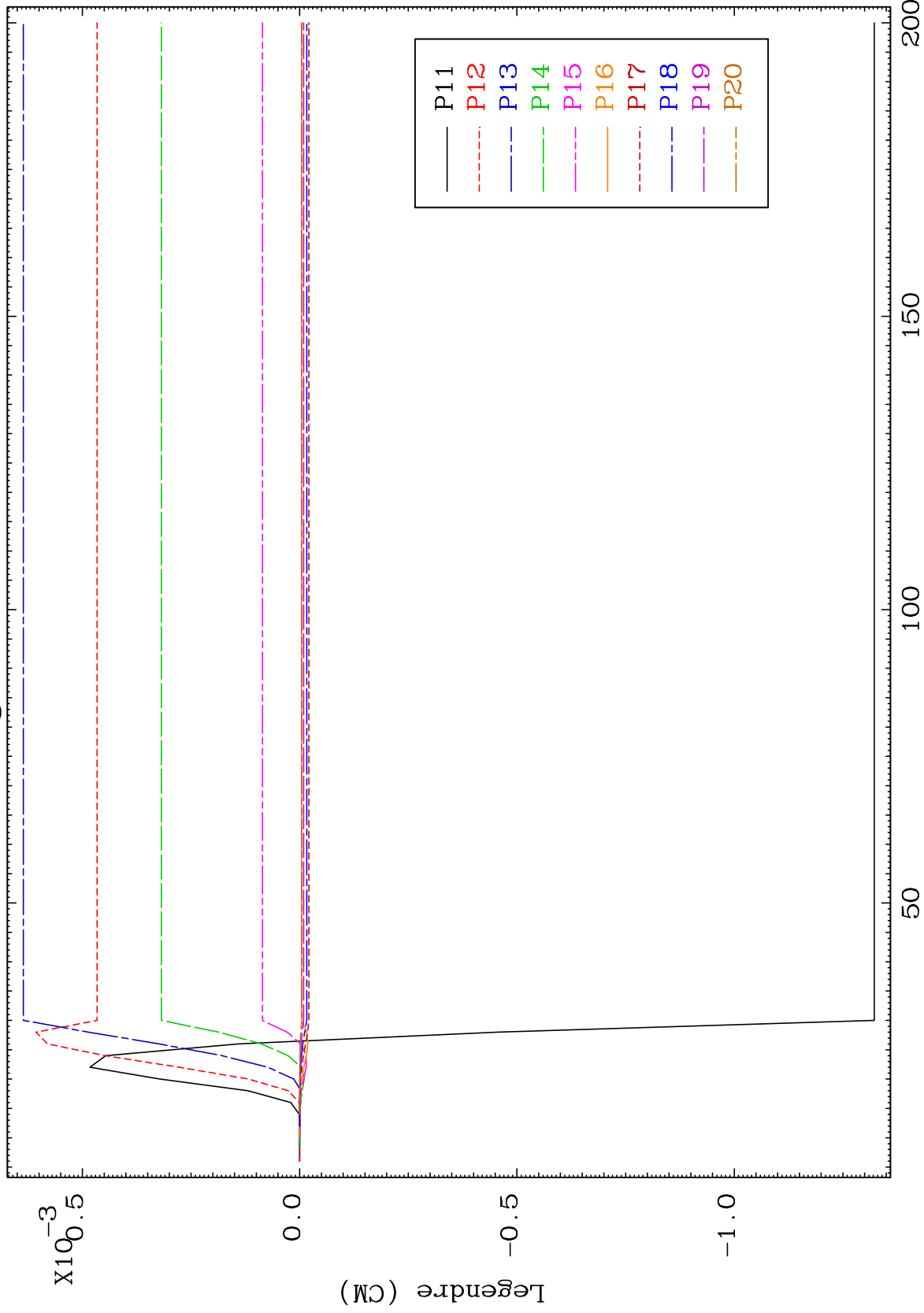
Incident Energy (MeV)

18-Ar-39

MAT 1834

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

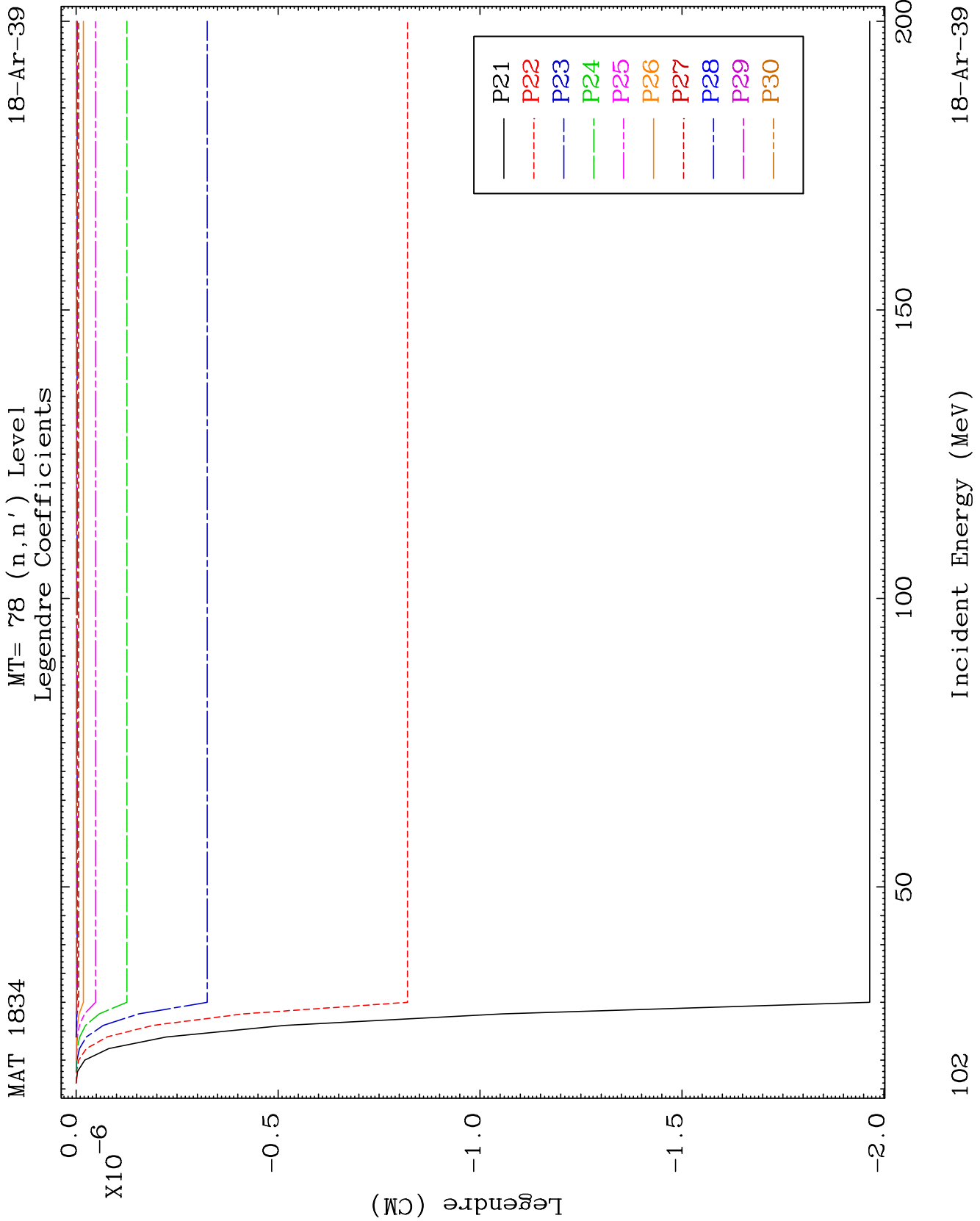
18-Ar-39



101

Incident Energy (MeV)

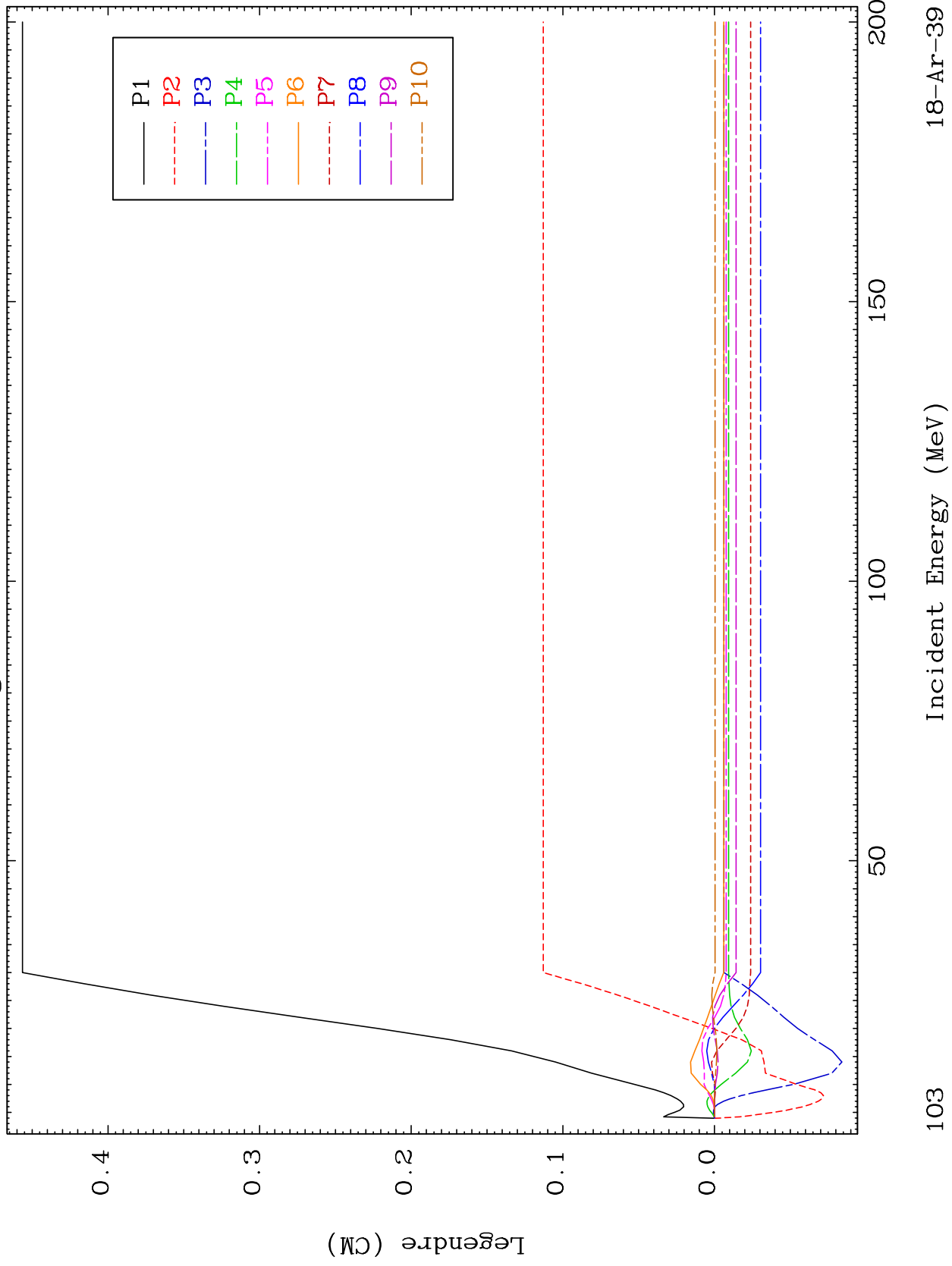
18-Ar-39



MAT 1834

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

18-Ar-39



18-Ar-39

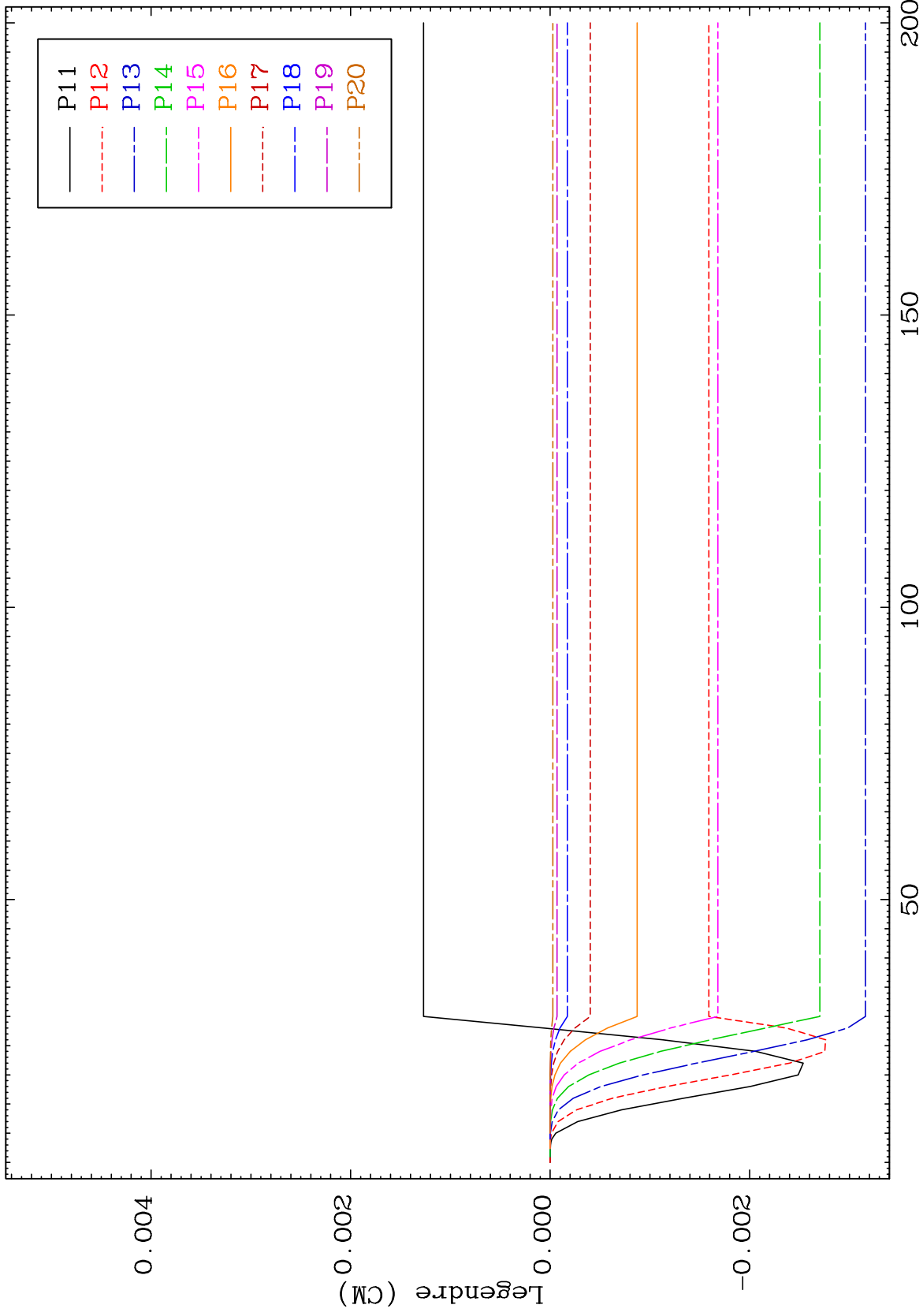
Incident Energy (MeV)

103

MAT 1834

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

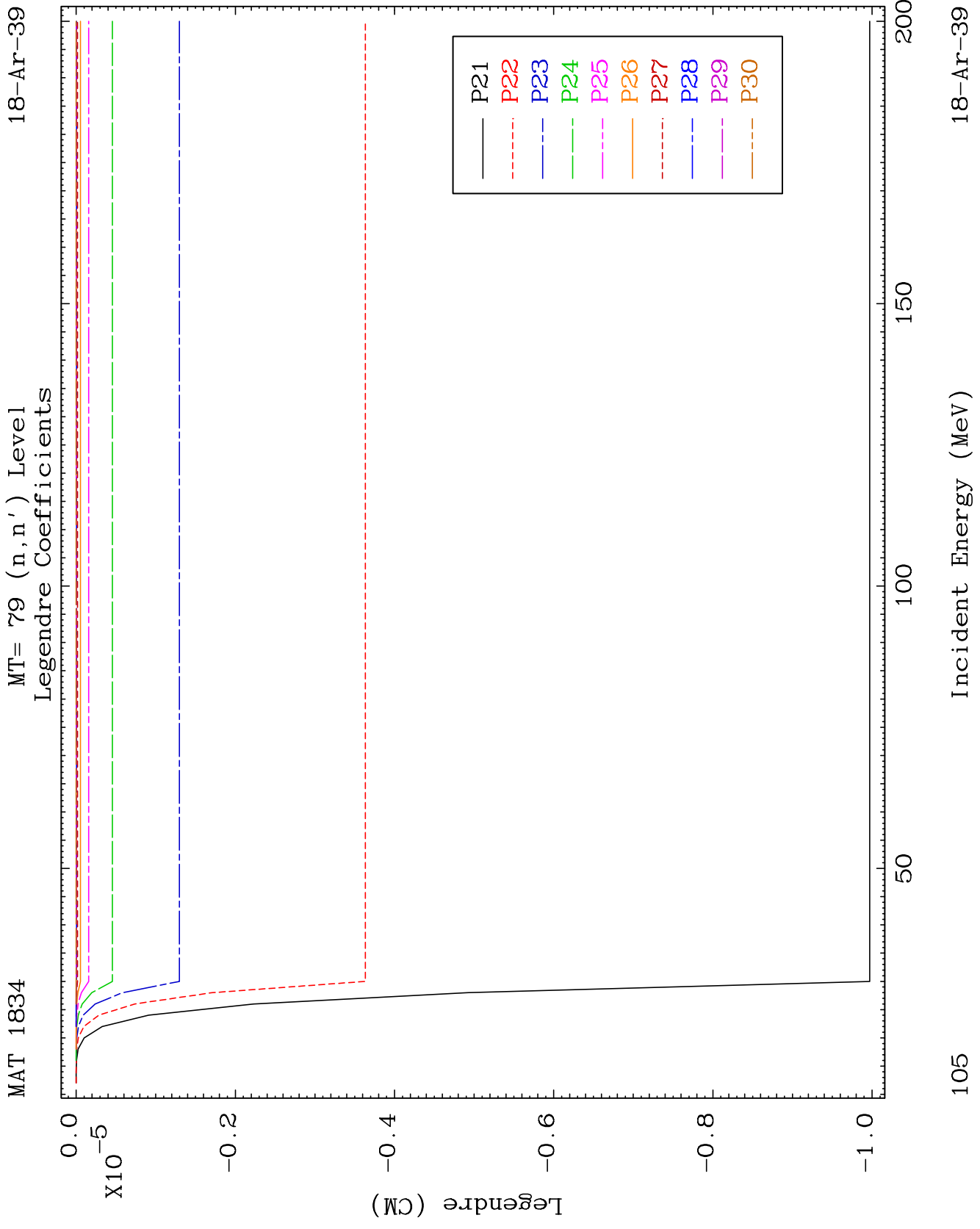
18-Ar-39



104

Incident Energy (MeV)

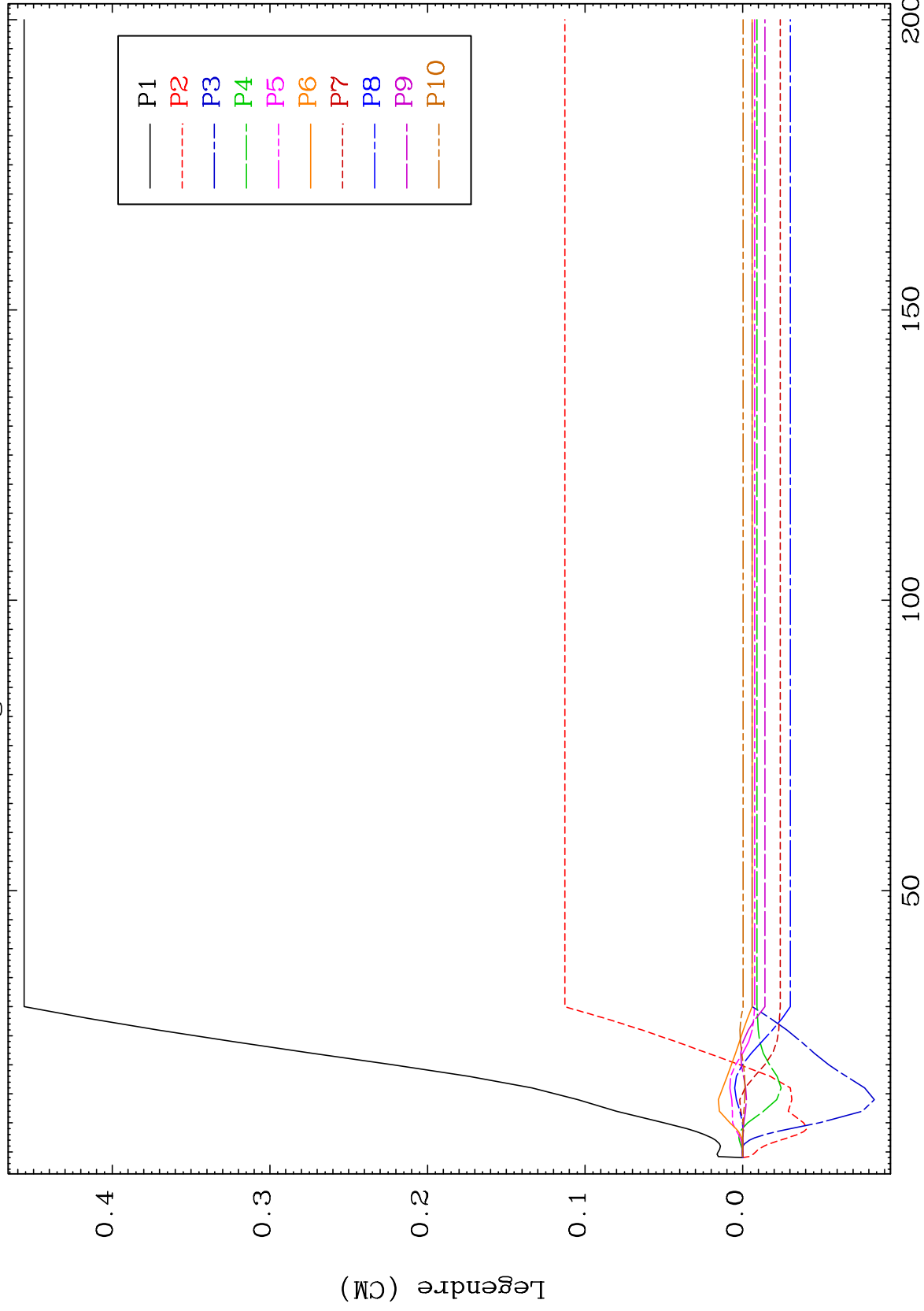
18-Ar-39



MAT 1834

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

18-Ar-39



106

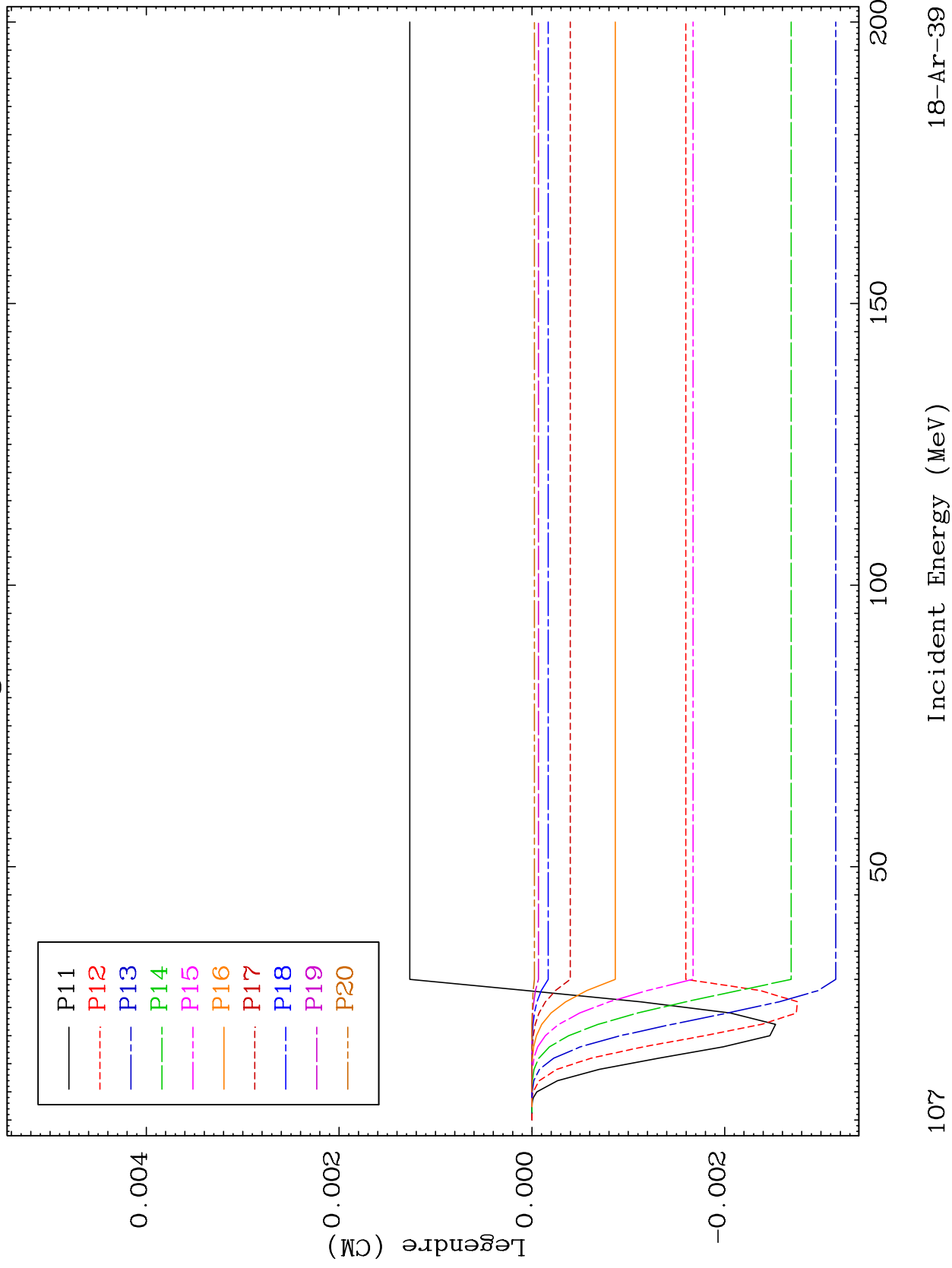
18-Ar-39

18-Ar-39

MAT 1834

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

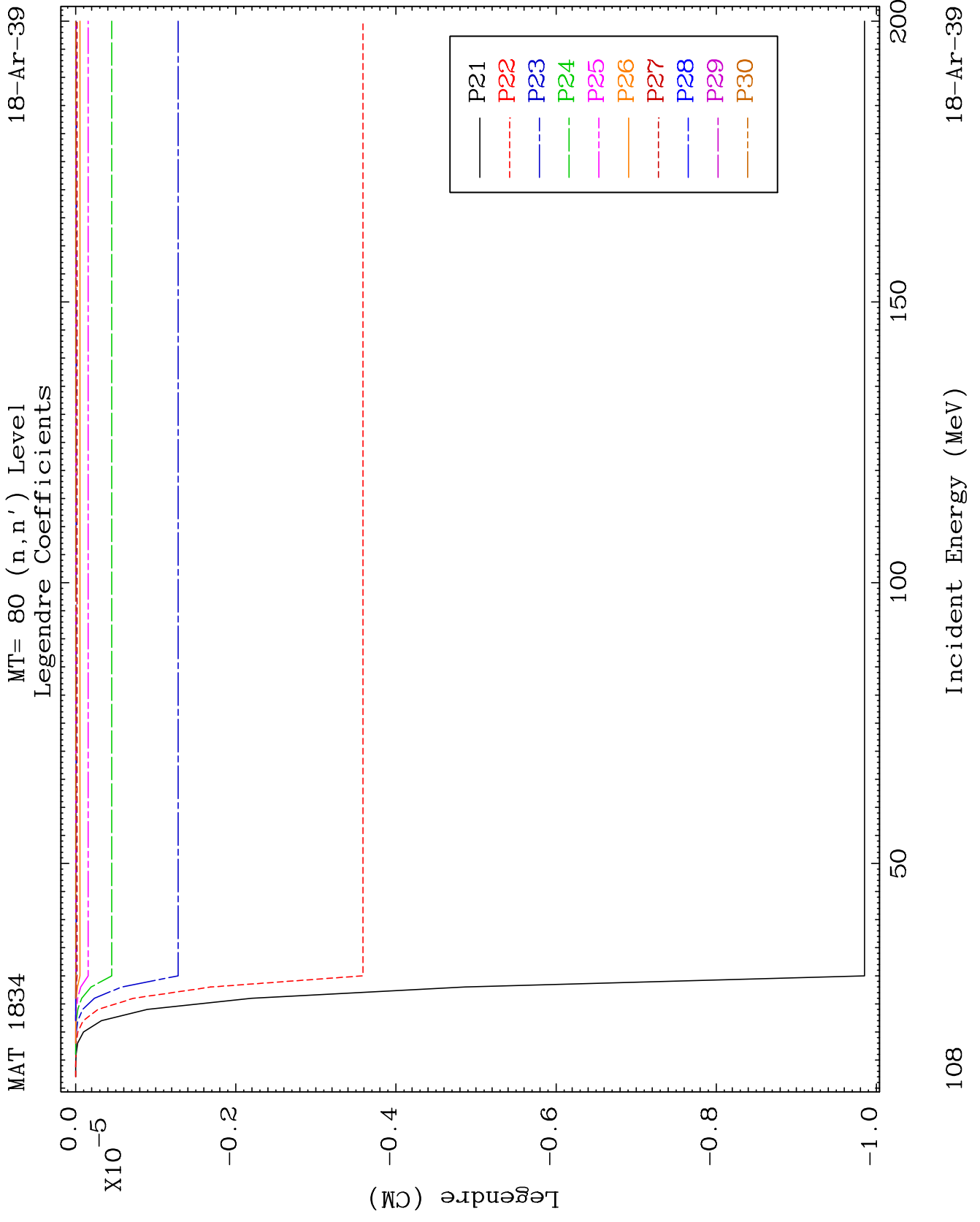
18-Ar-39



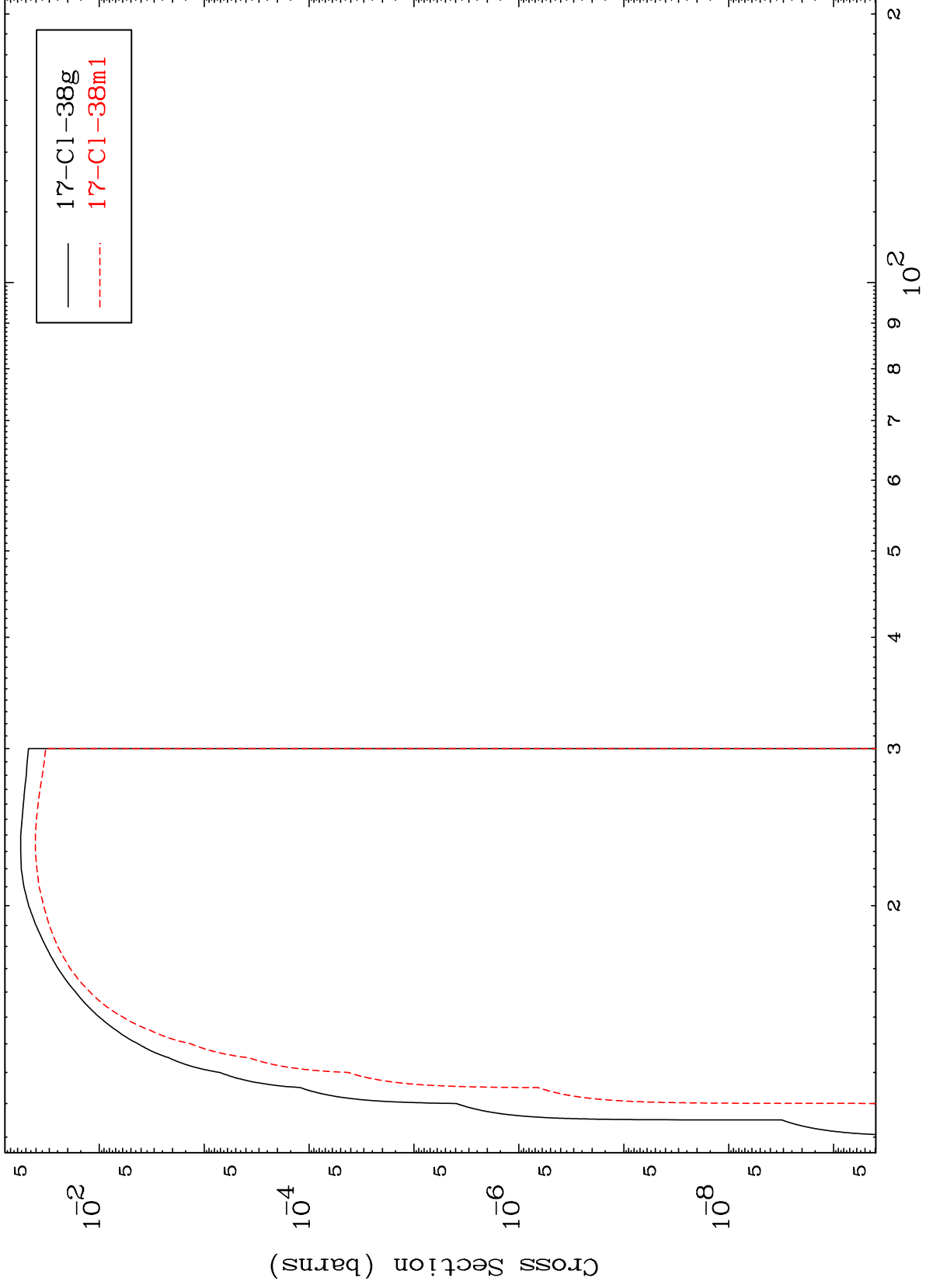
107

Incident Energy (MeV)

18-Ar-39



Radionuclide Production Cross Section

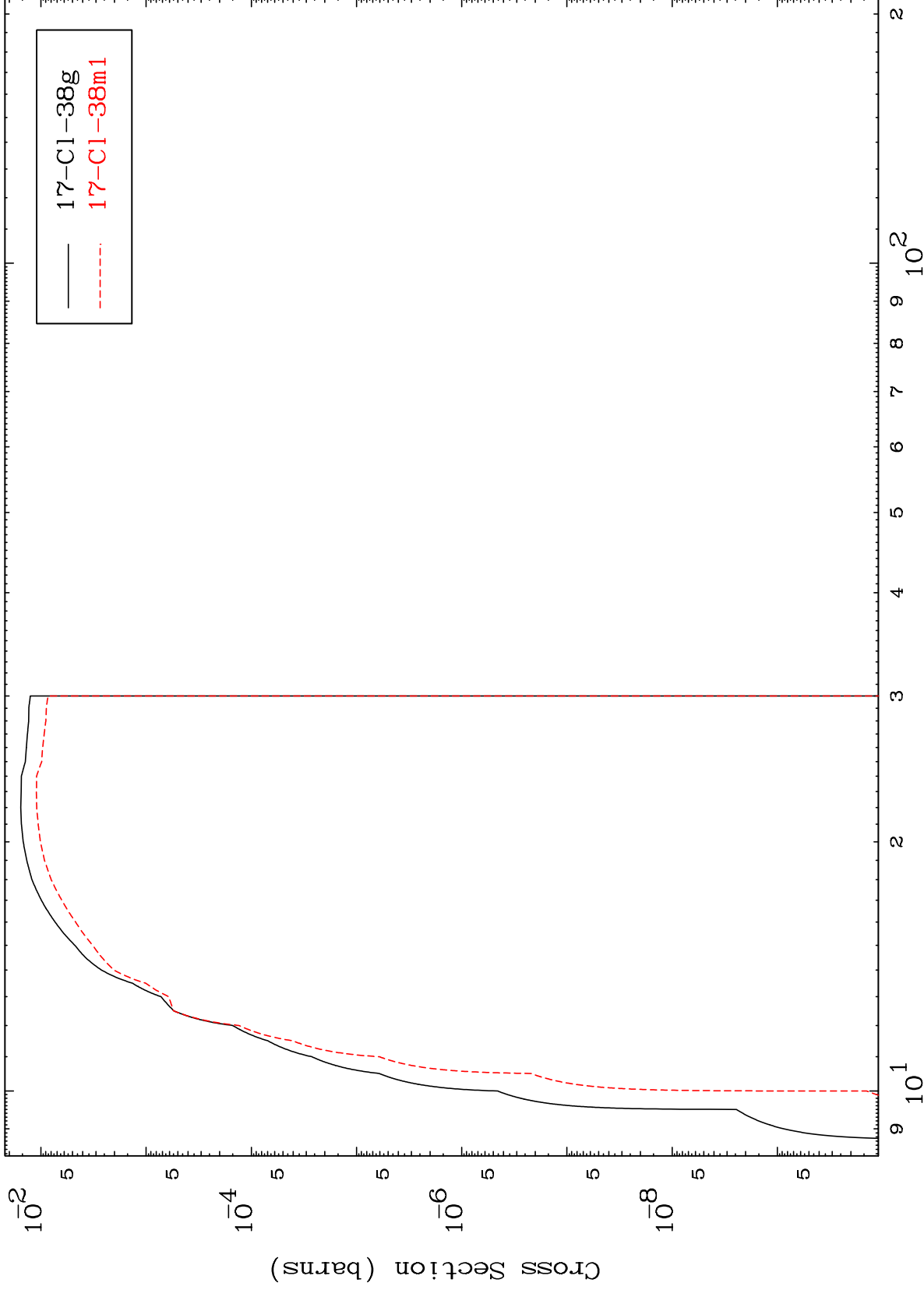


MAT 1834

(n,d)

18-Ar-39

Radionuclide Production Cross Section



110

Incident Energy (MeV)

18-Ar-39