

Program EVALPLOT
(Version 2021-1)

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

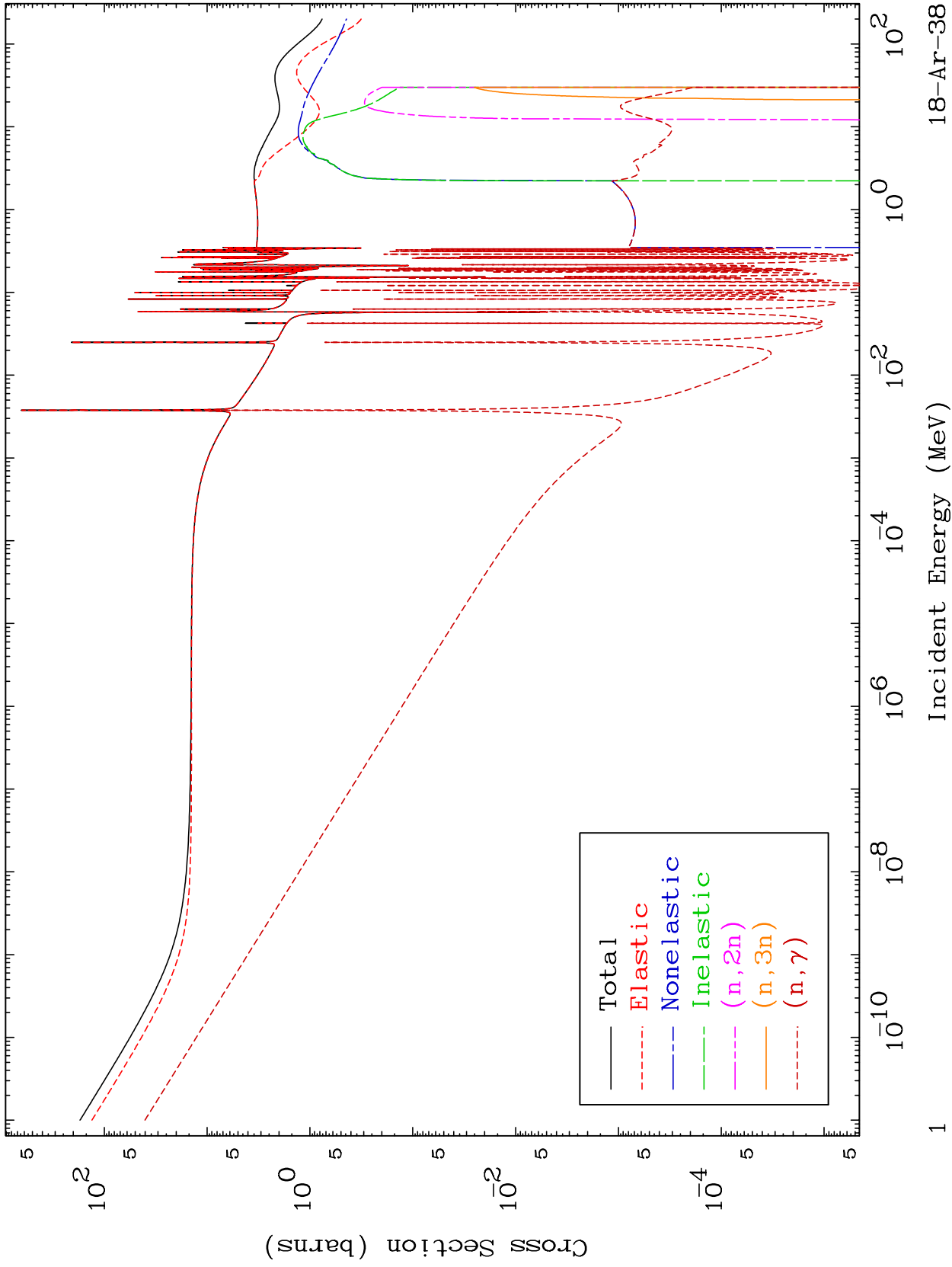
Web:redcullen1.net/HOMEPAGE.NEW

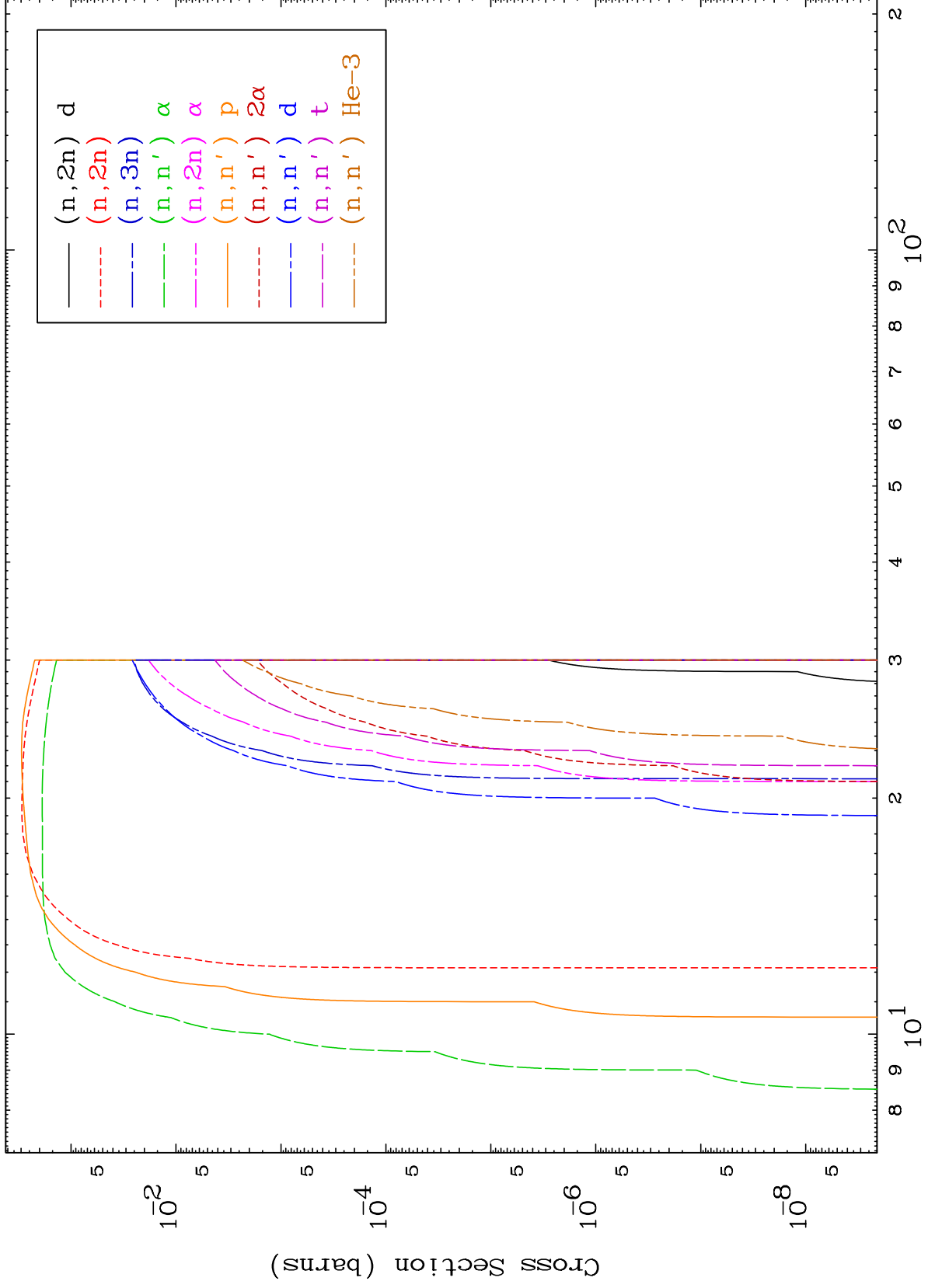
Press Mouse Button to Start

MAT 1831

Neutron Major
293 Kelvin Cross Sections

18-Ar-38

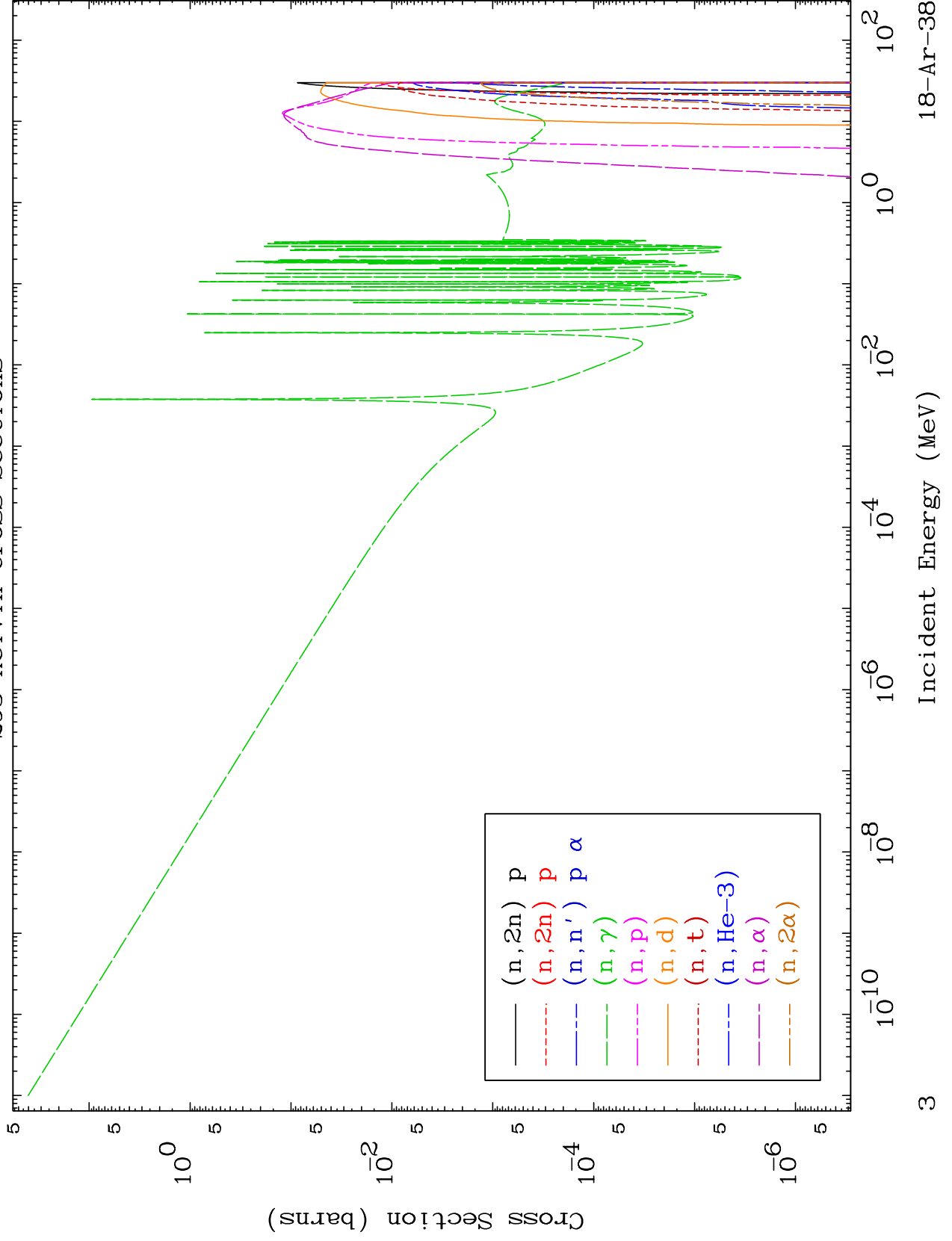


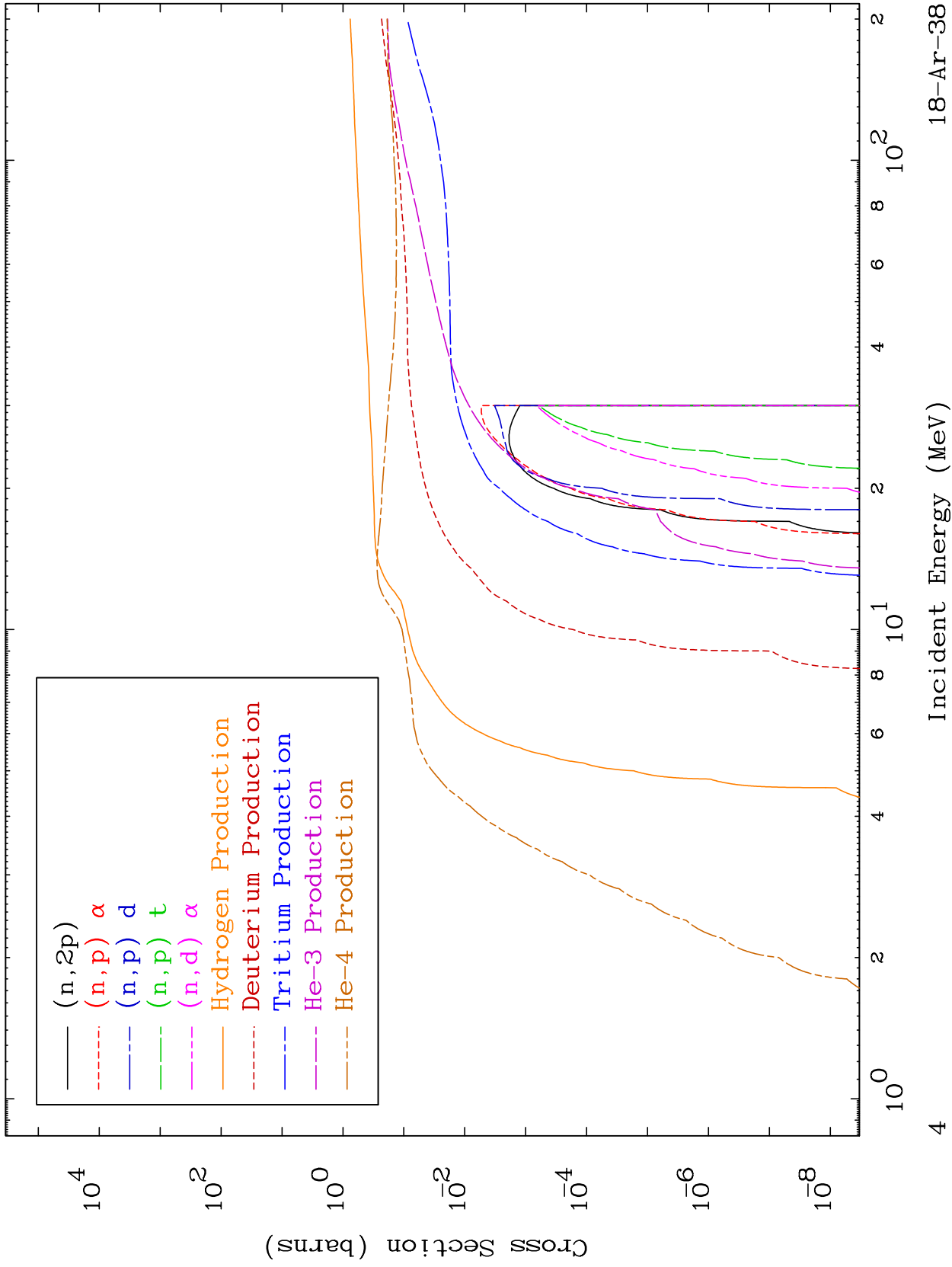


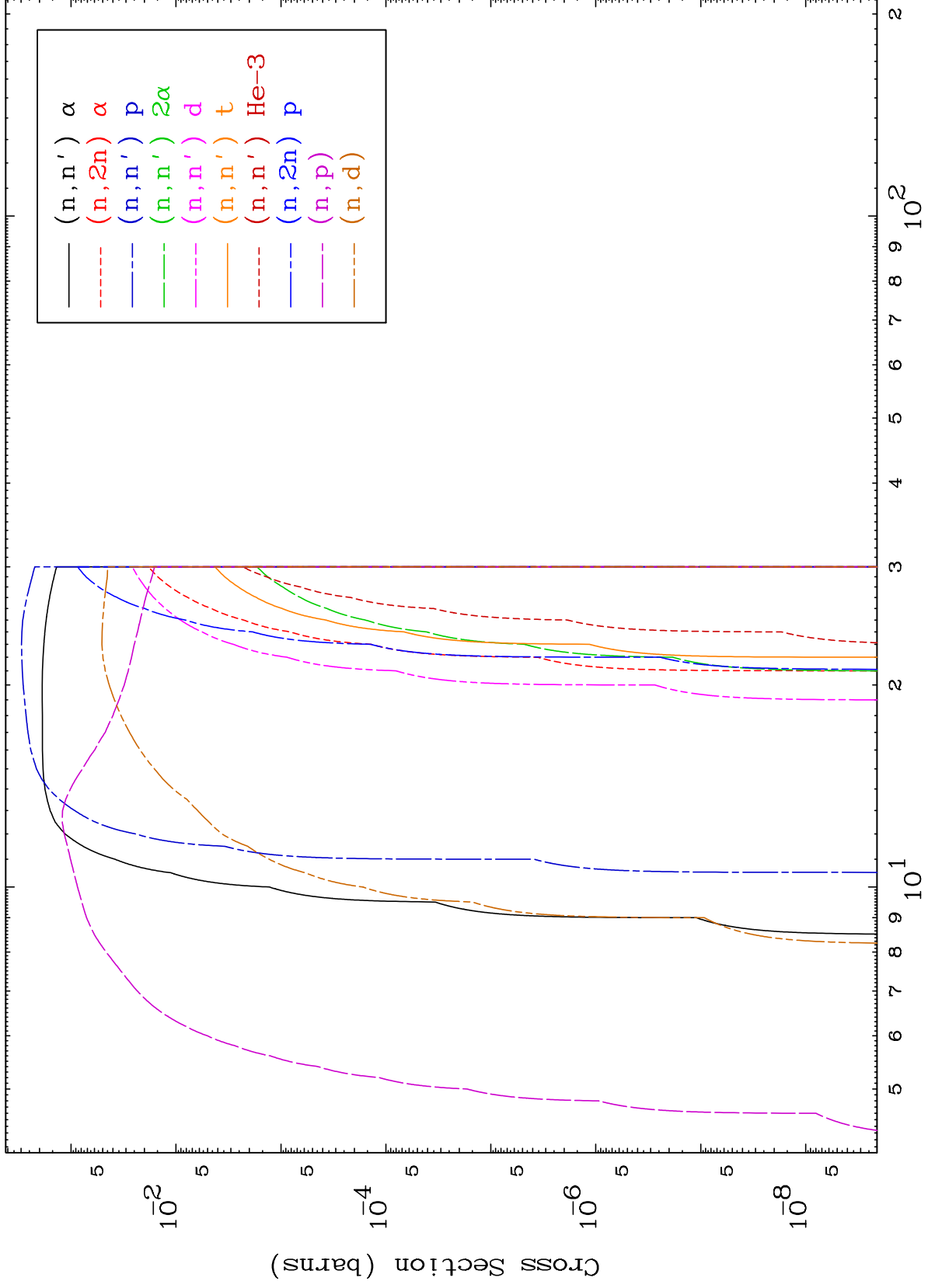
MAT 1831

Neutron Absorption
293 Kelvin Cross Sections

18-Ar-38



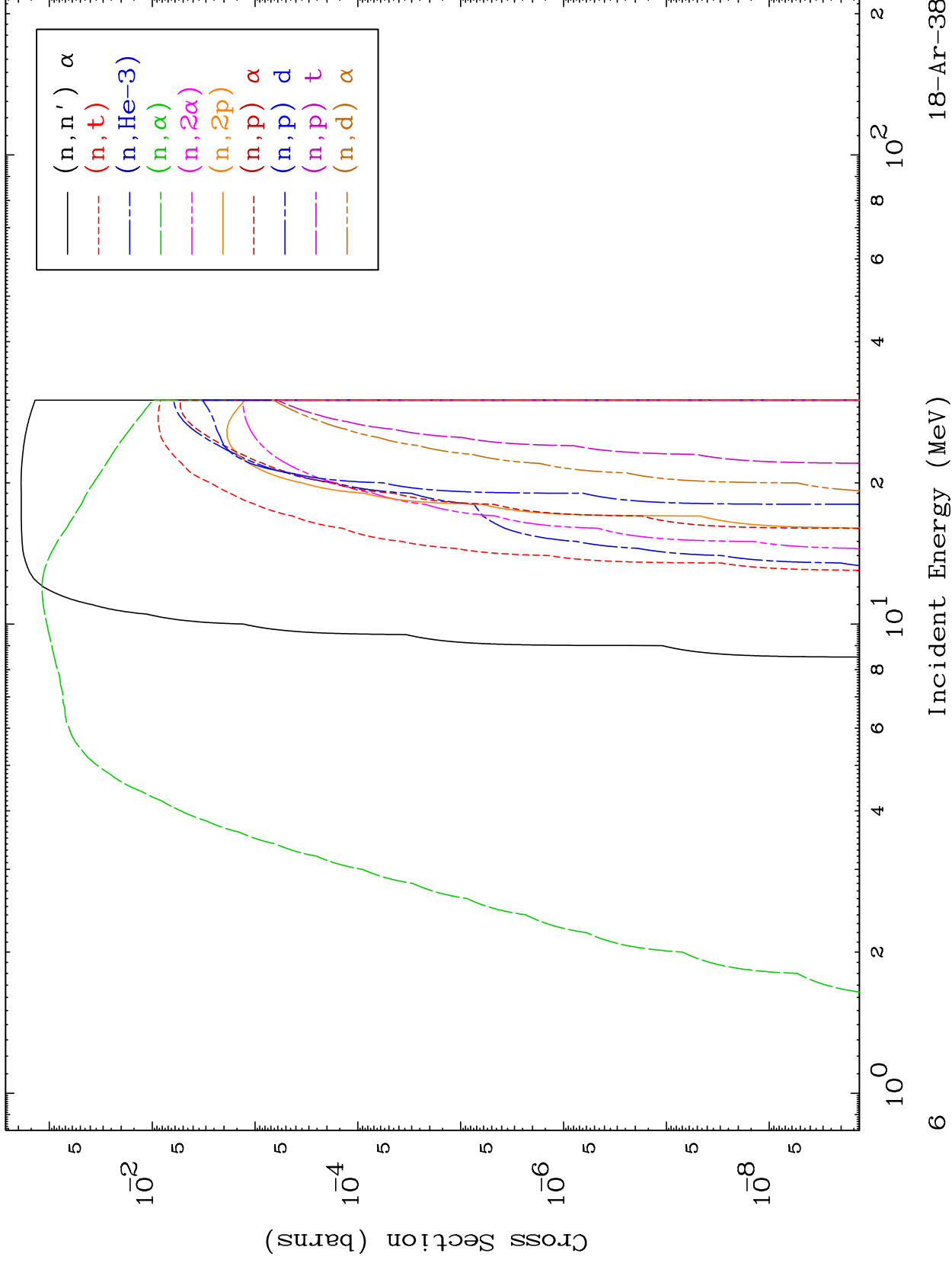




MAT 1831

Charged Particle
293 Kelvin Cross Sections

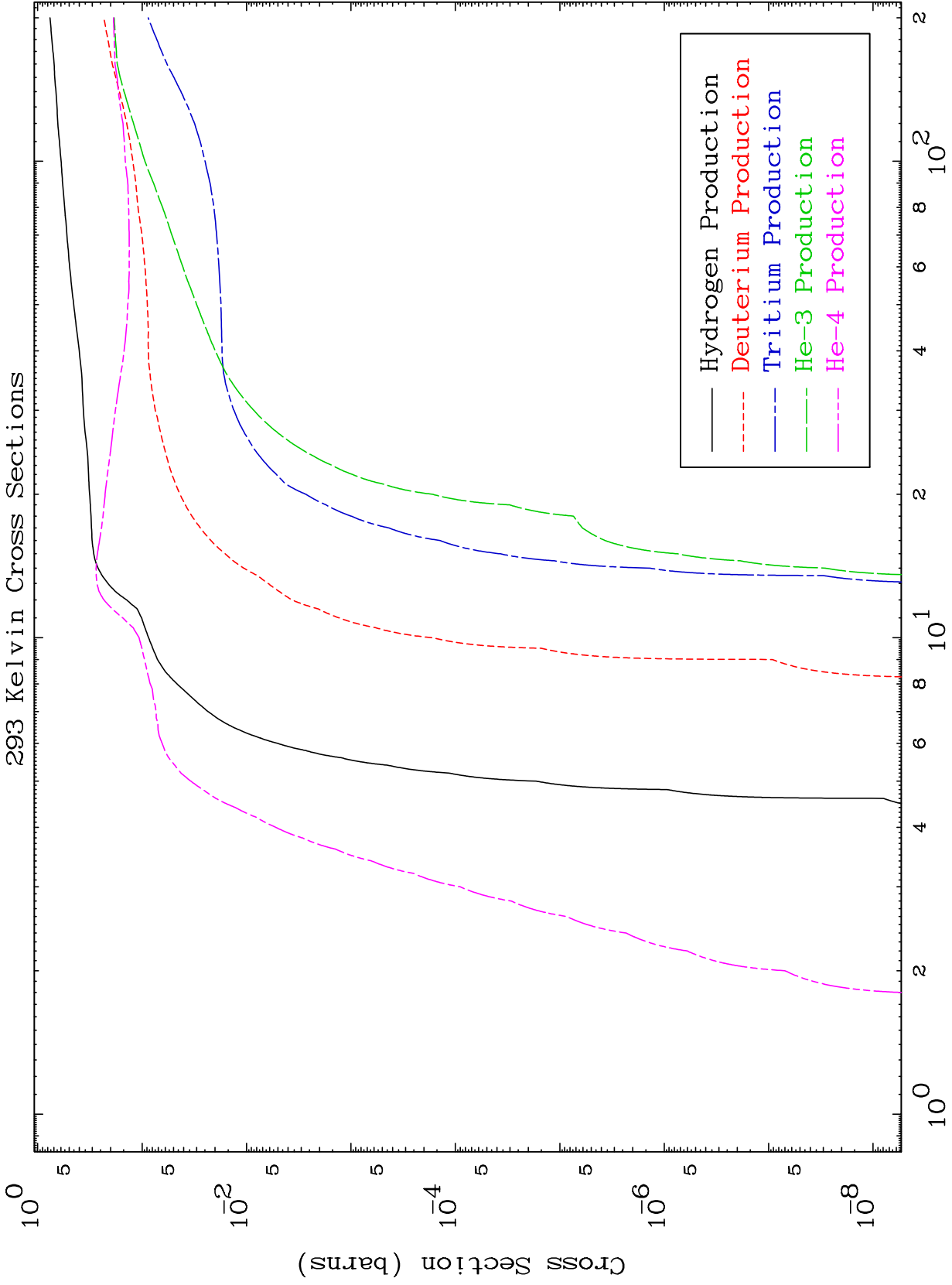
18-Ar-38



18-Ar-38

Incident Energy (MeV)

6

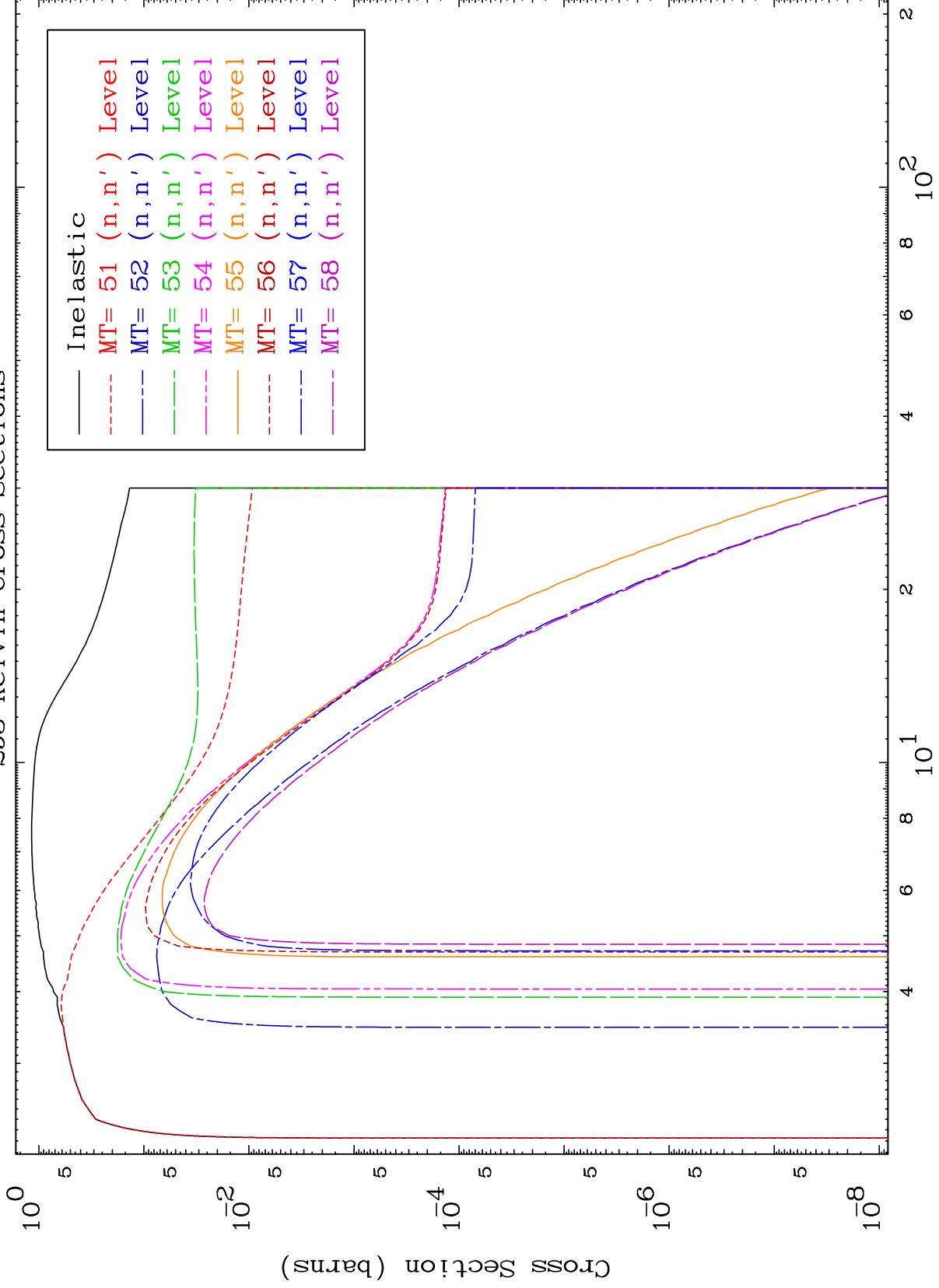


MAT 1831

(n,n') Levels

18-Ar-38

293 Kelvin Cross Sections

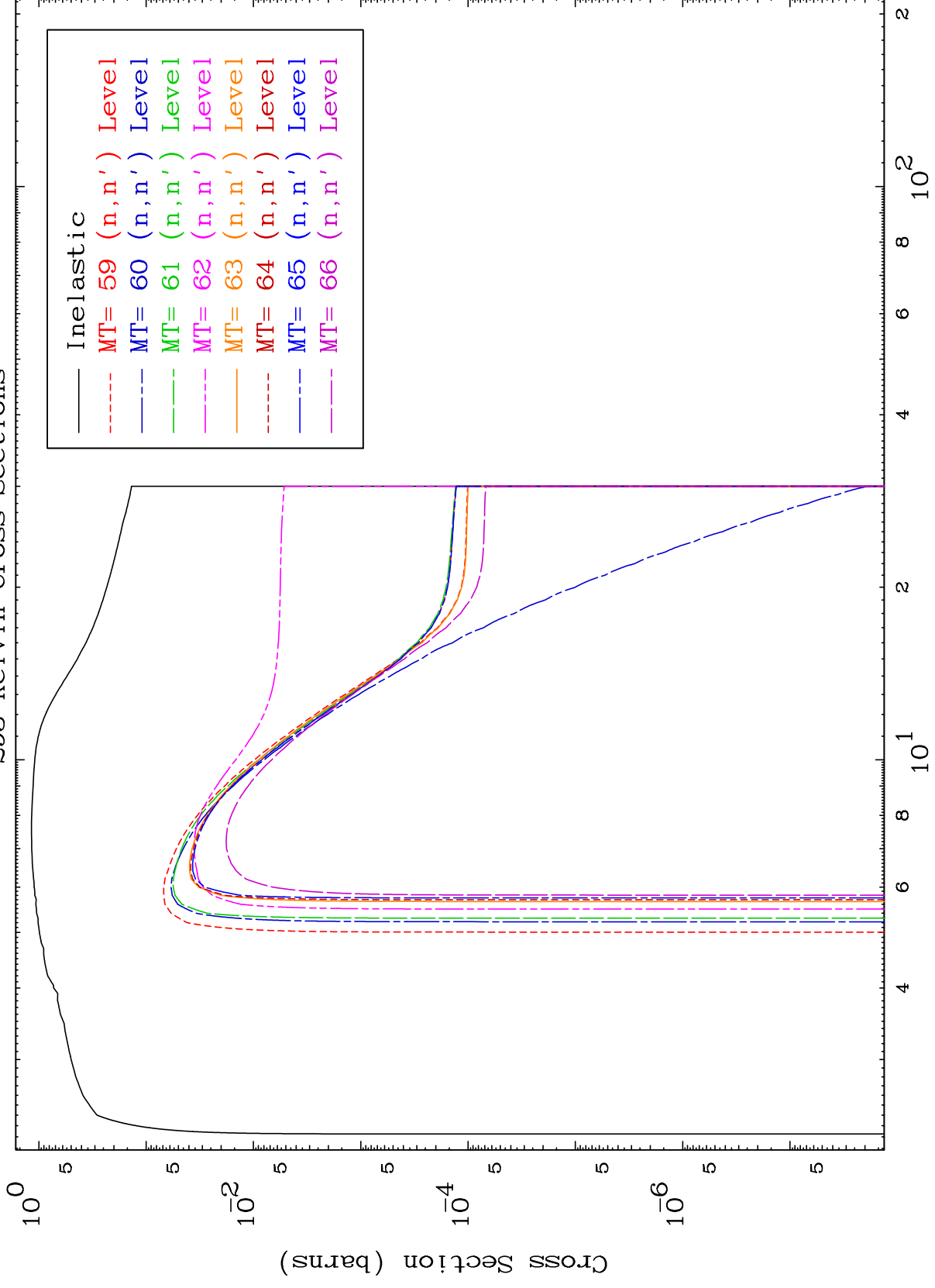


8

Incident Energy (MeV)

18-Ar-38

293 Kelvin Cross Sections

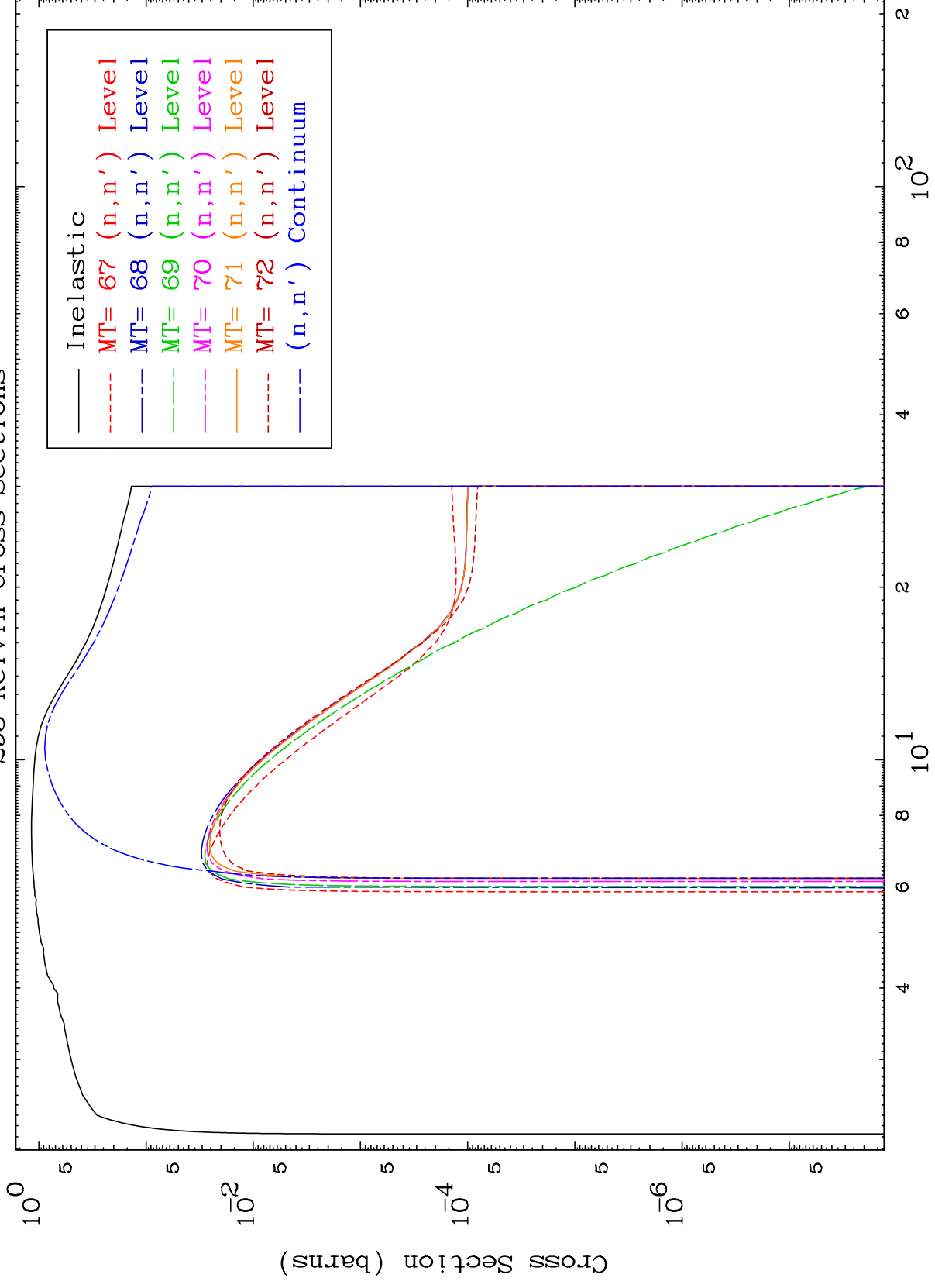


MAT 1831

(n,n') Levels

18-Ar-38

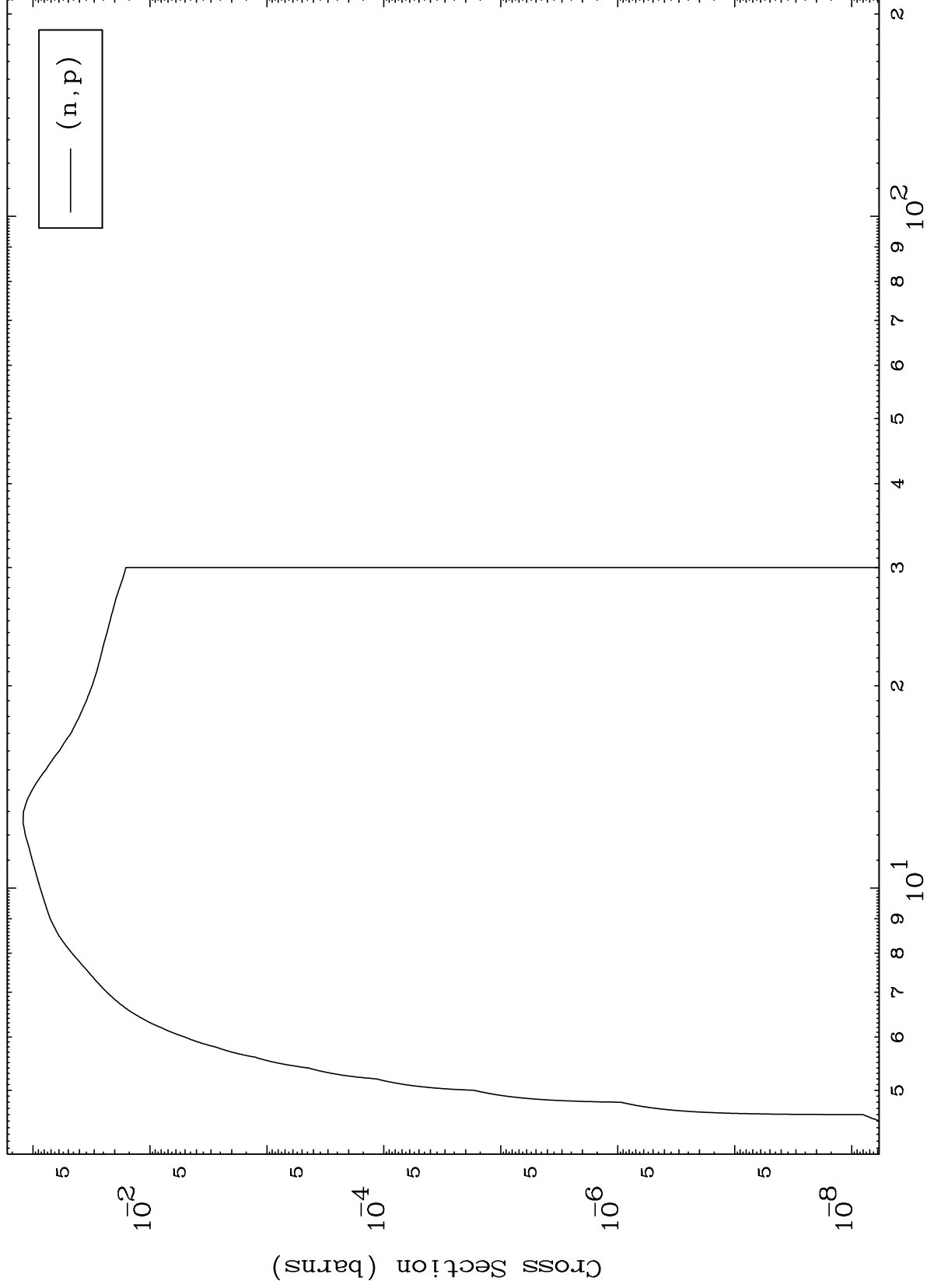
293 Kelvin Cross Sections



10

Incident Energy (MeV)

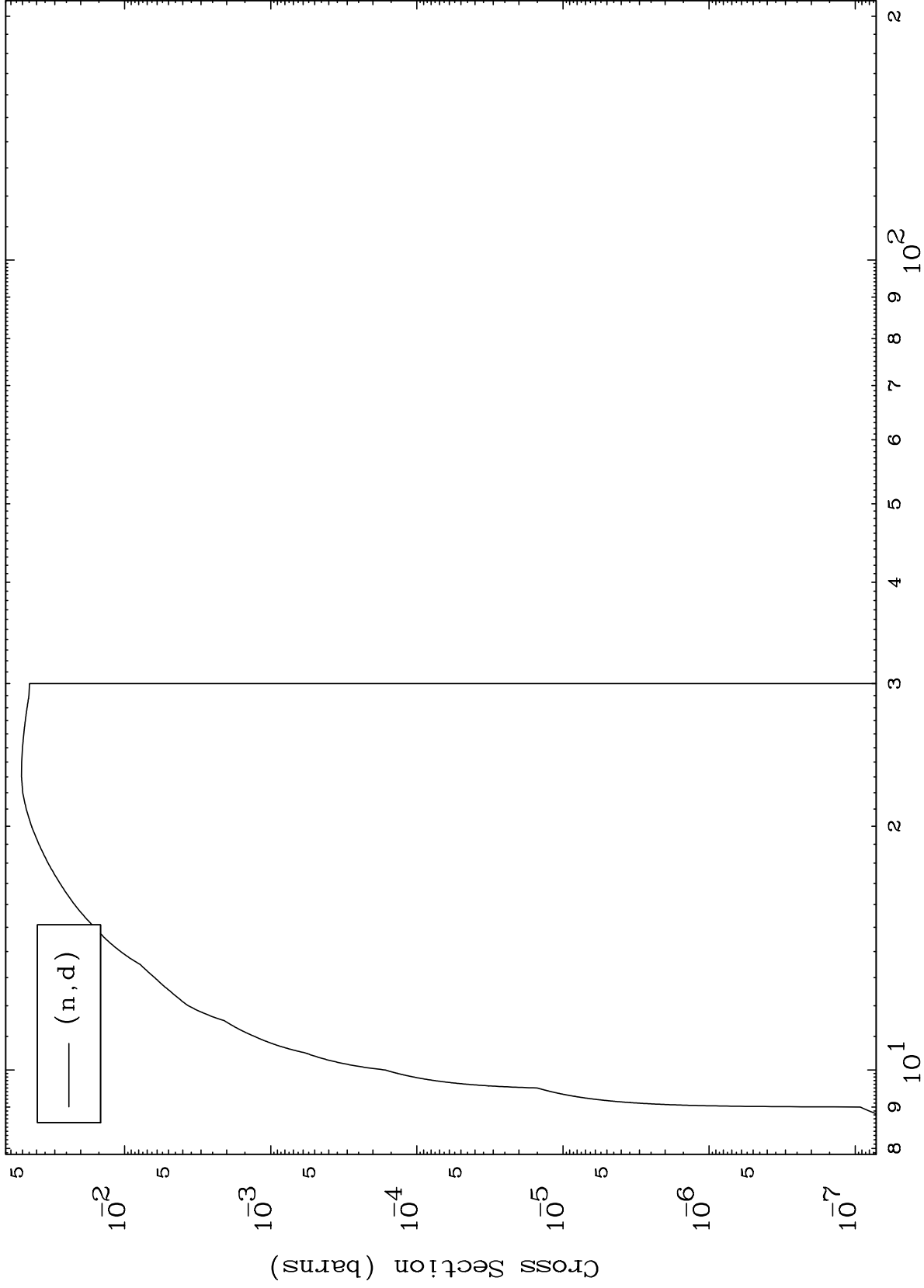
18-Ar-38



MAT 1831

(n,d) Levels
293 Kelvin Cross Sections

18-Ar-38



12

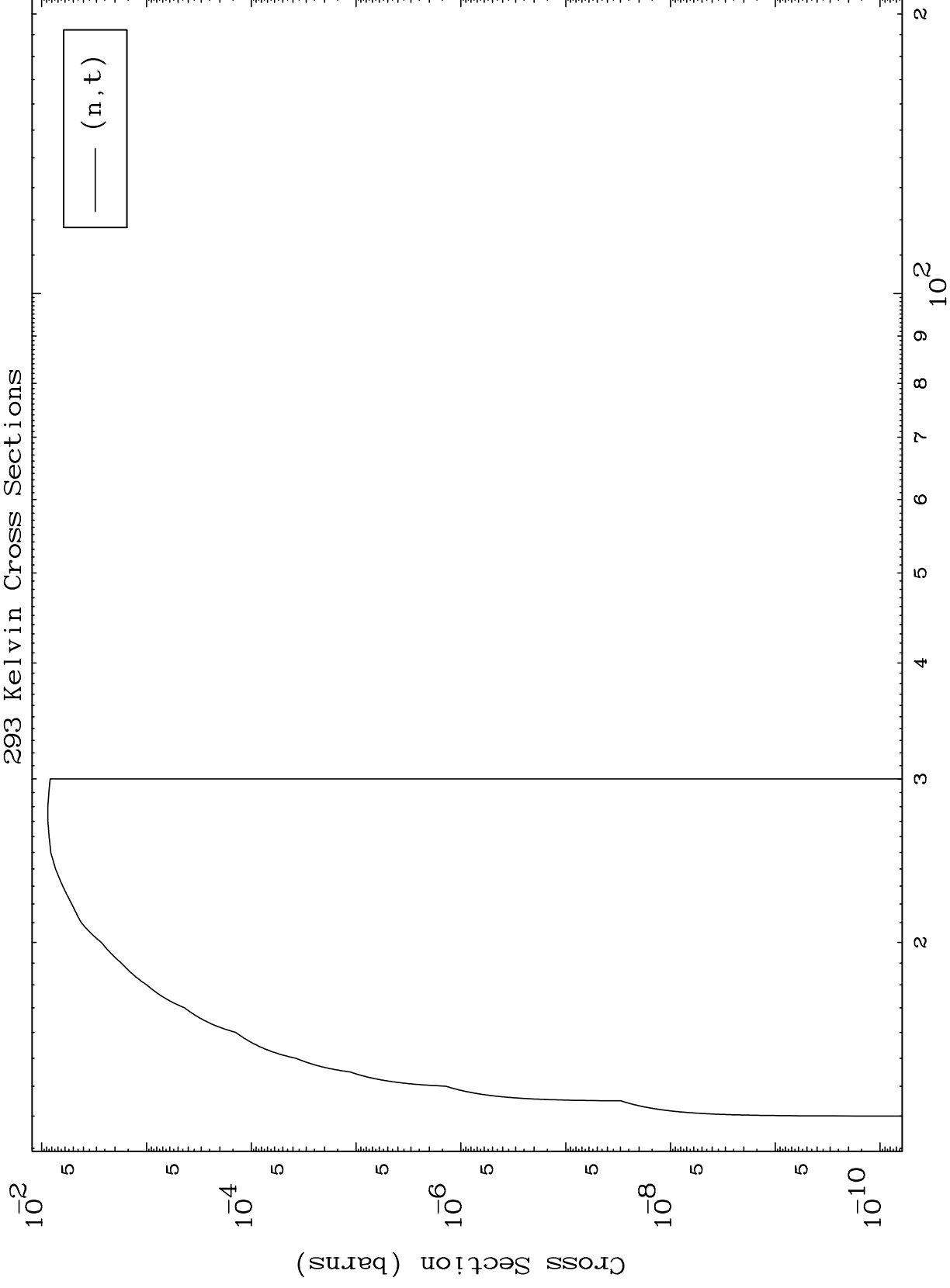
Incident Energy (MeV)

18-Ar-38

MAT 1831

18-Ar-38

(n,t) Levels
293 Kelvin Cross Sections



13

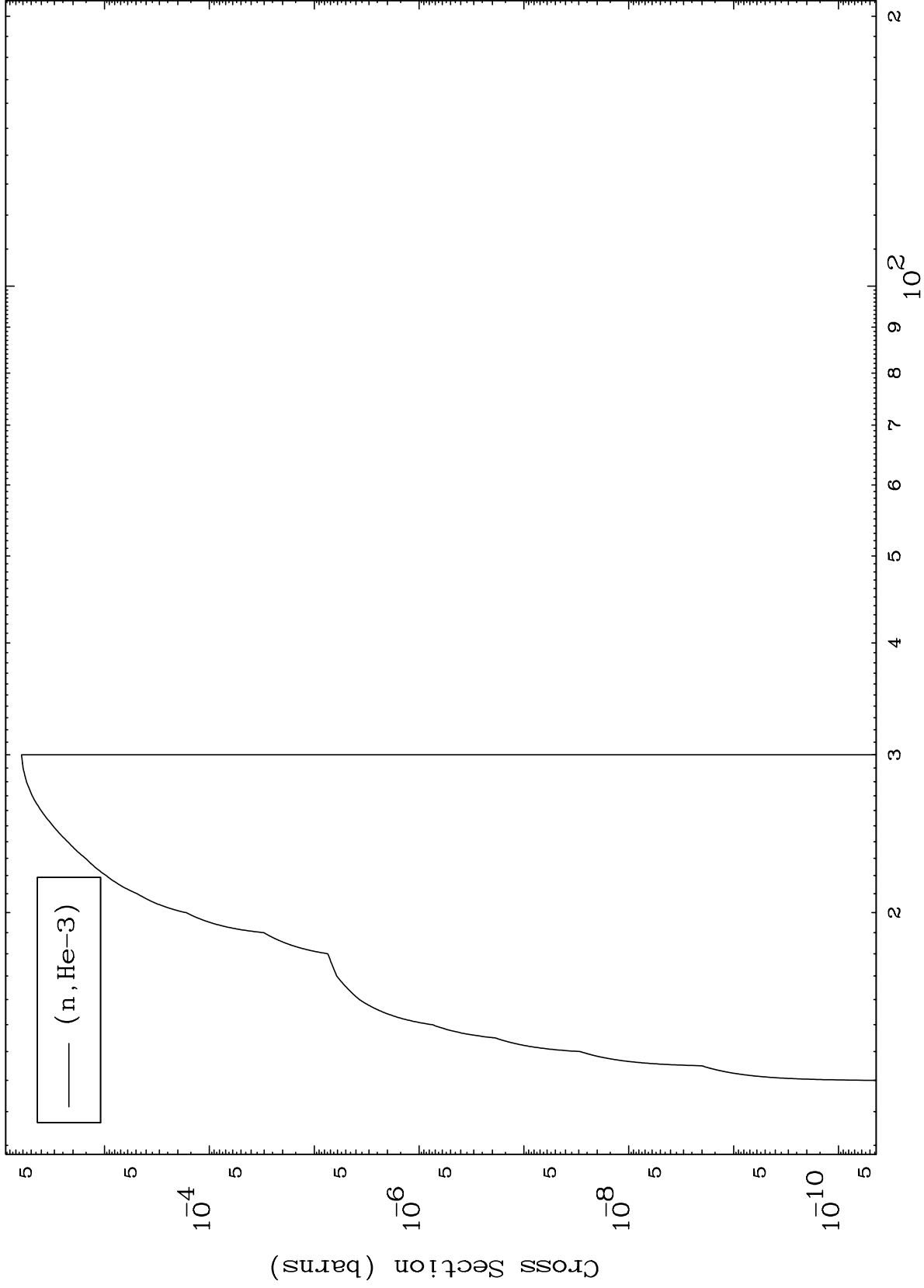
Incident Energy (MeV)

18-Ar-38

MAT 1831

(n,He3) Levels
293 Kelvin Cross Sections

18-Ar-38



14

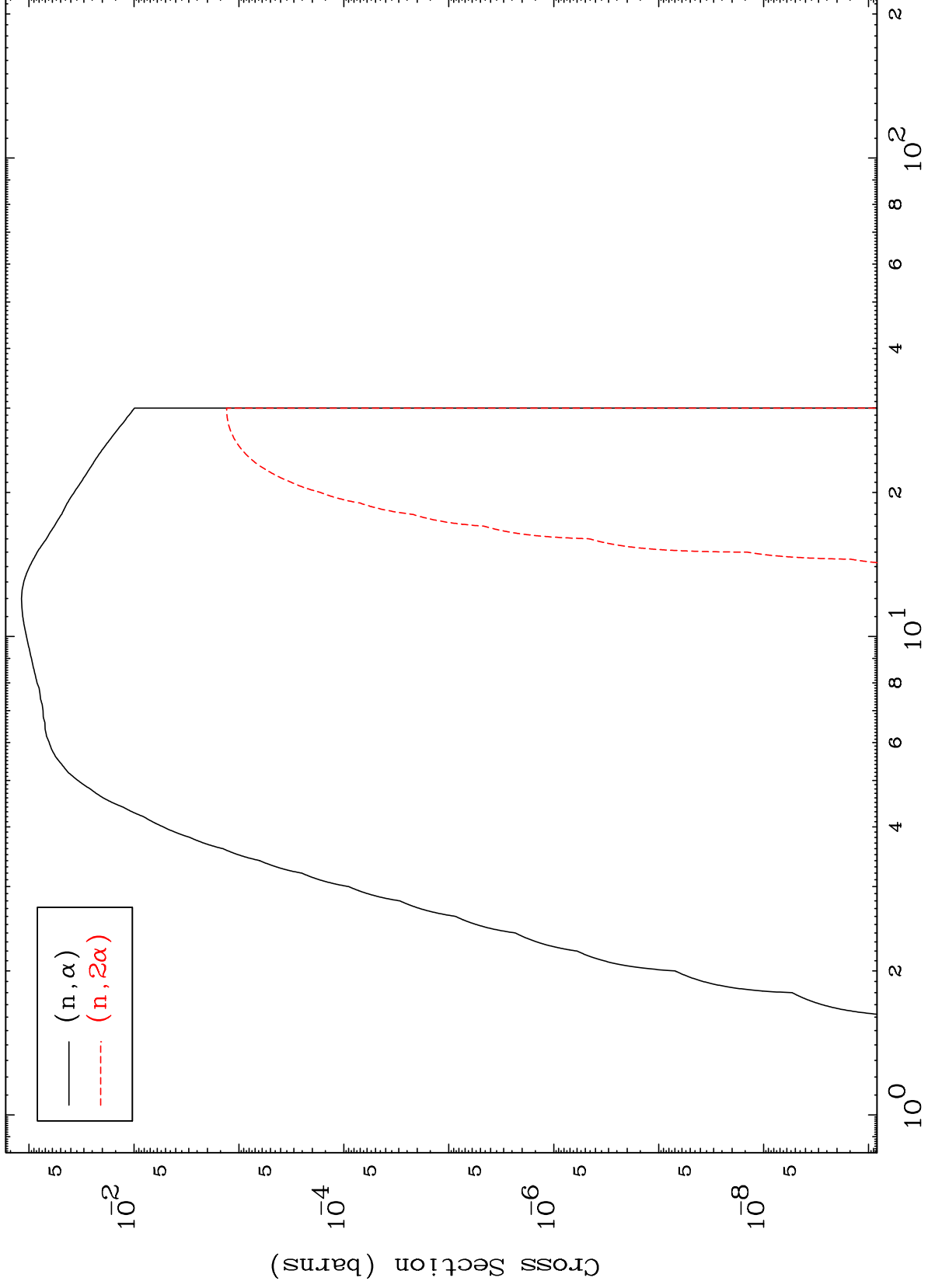
Incident Energy (MeV)

18-Ar-38

MAT 1831

(n,α) Levels
293 Kelvin Cross Sections

18-Ar-38



15

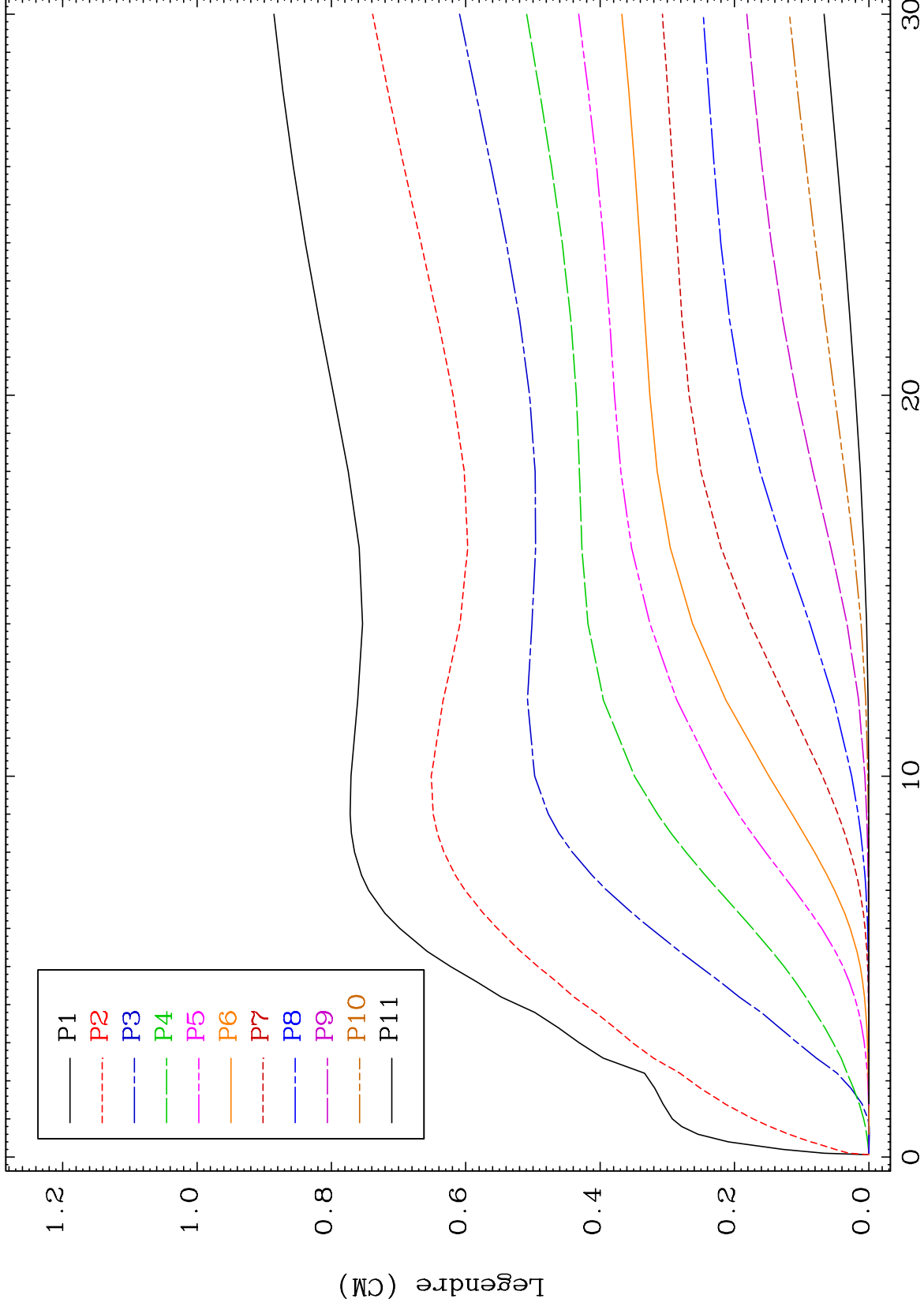
Incident Energy (MeV)

18-Ar-38

MAT 1831

Elastic Legendre Coefficients

18-Ar-38



16

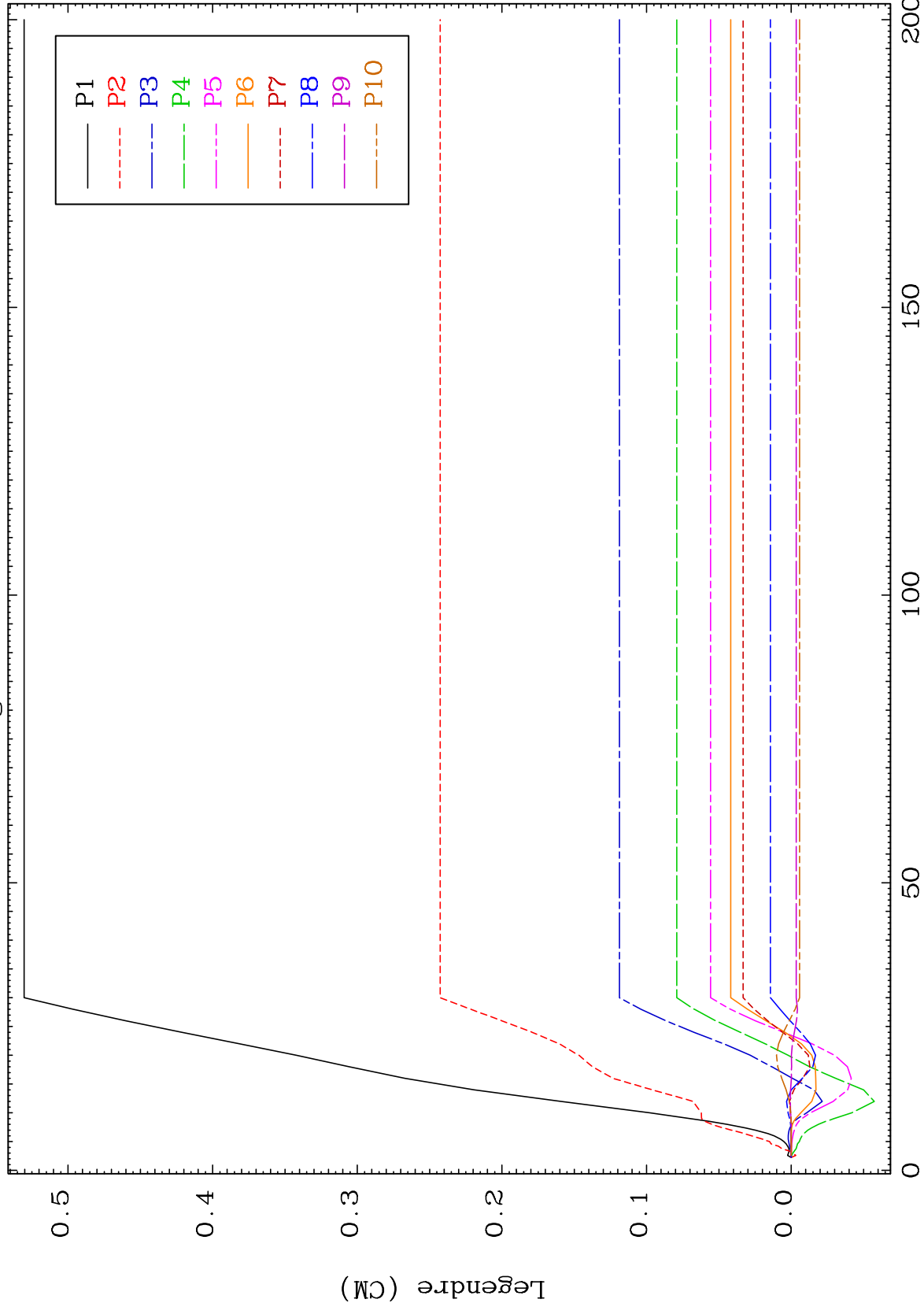
Incident Energy (MeV)

18-Ar-38

MAT 1831

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

18-Ar-38



19

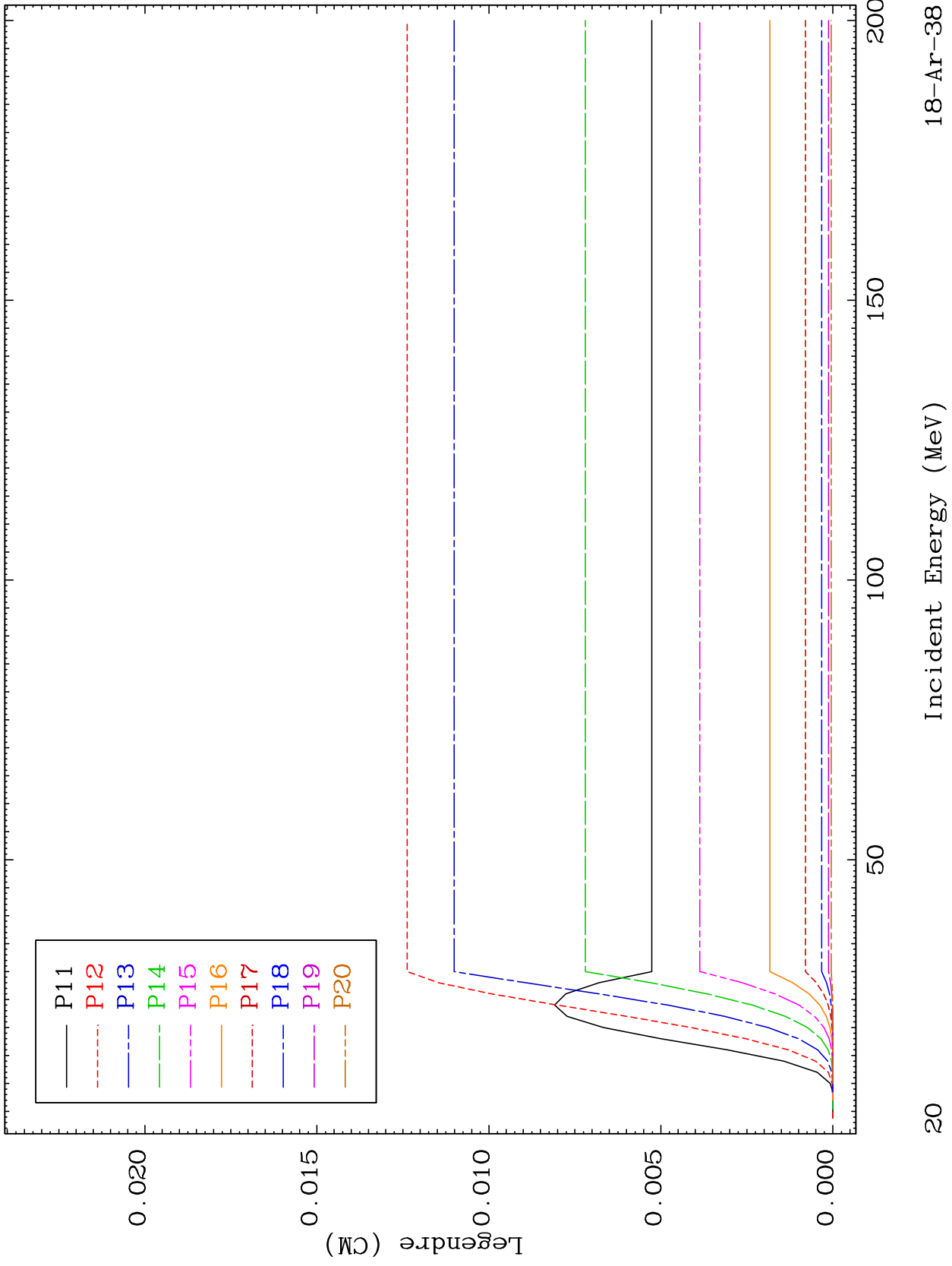
Incident Energy (MeV)

18-Ar-38

MAT 1831

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

18-Ar-38



18-Ar-38

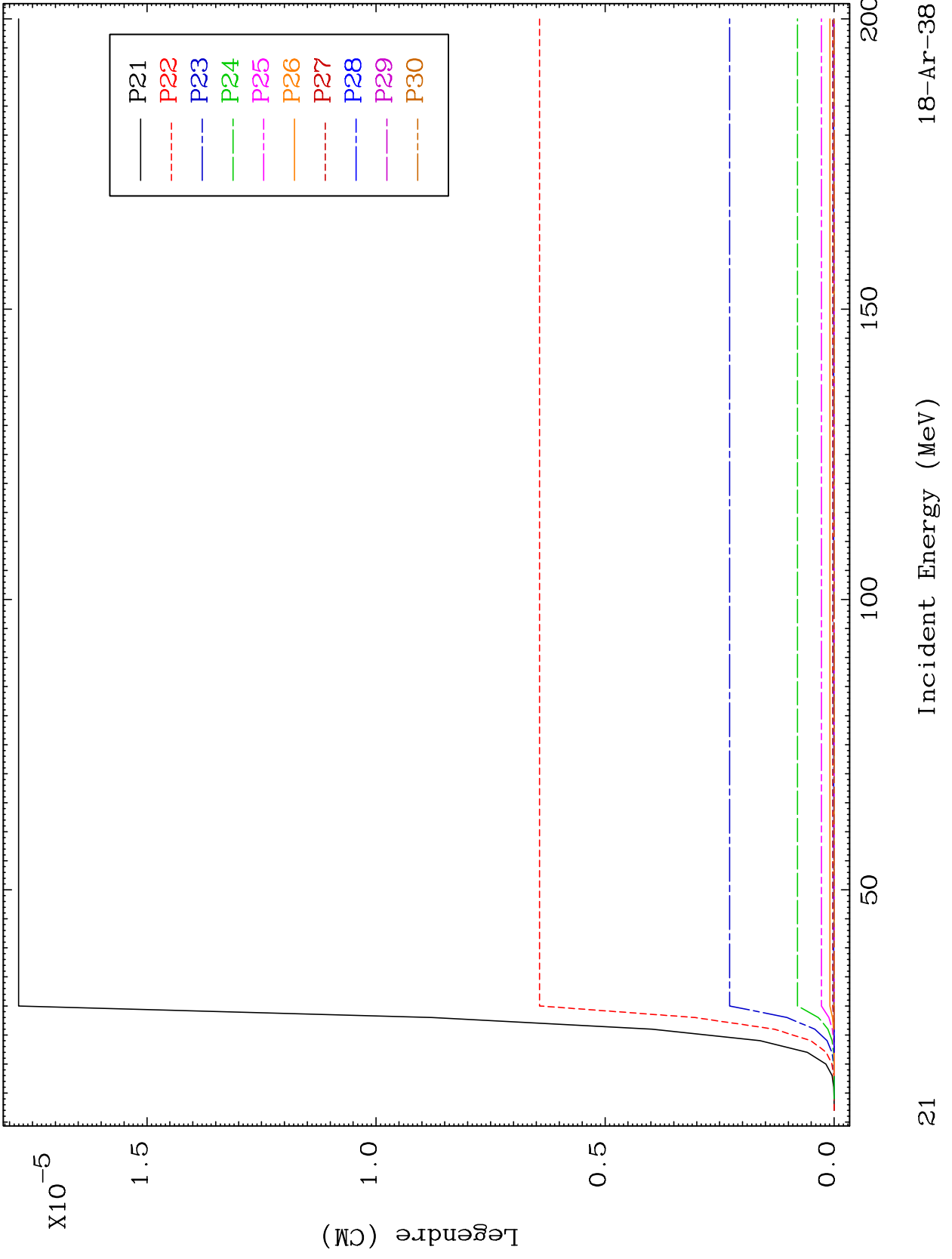
Incident Energy (MeV)

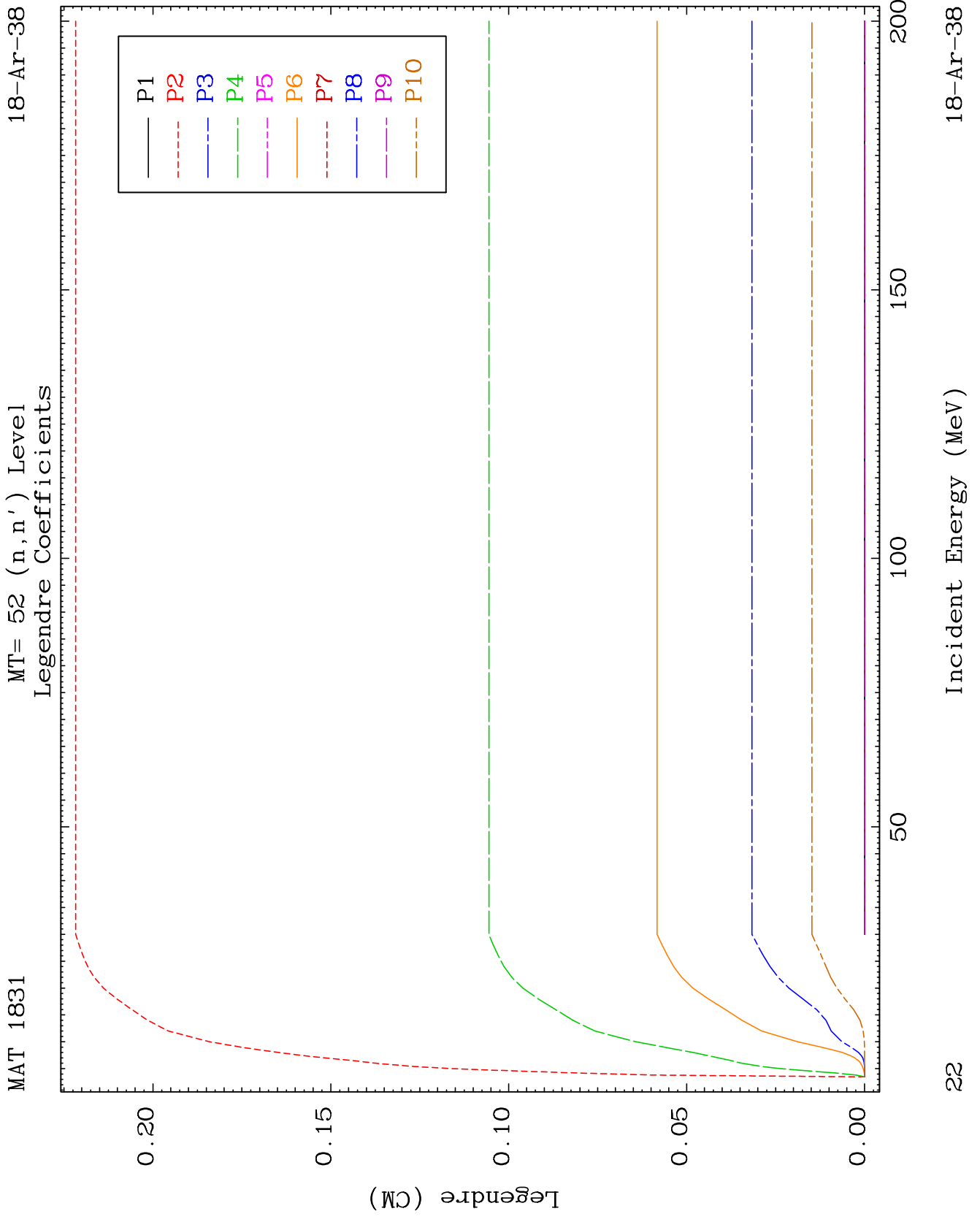
20

MAT 1831

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

18-Ar-38

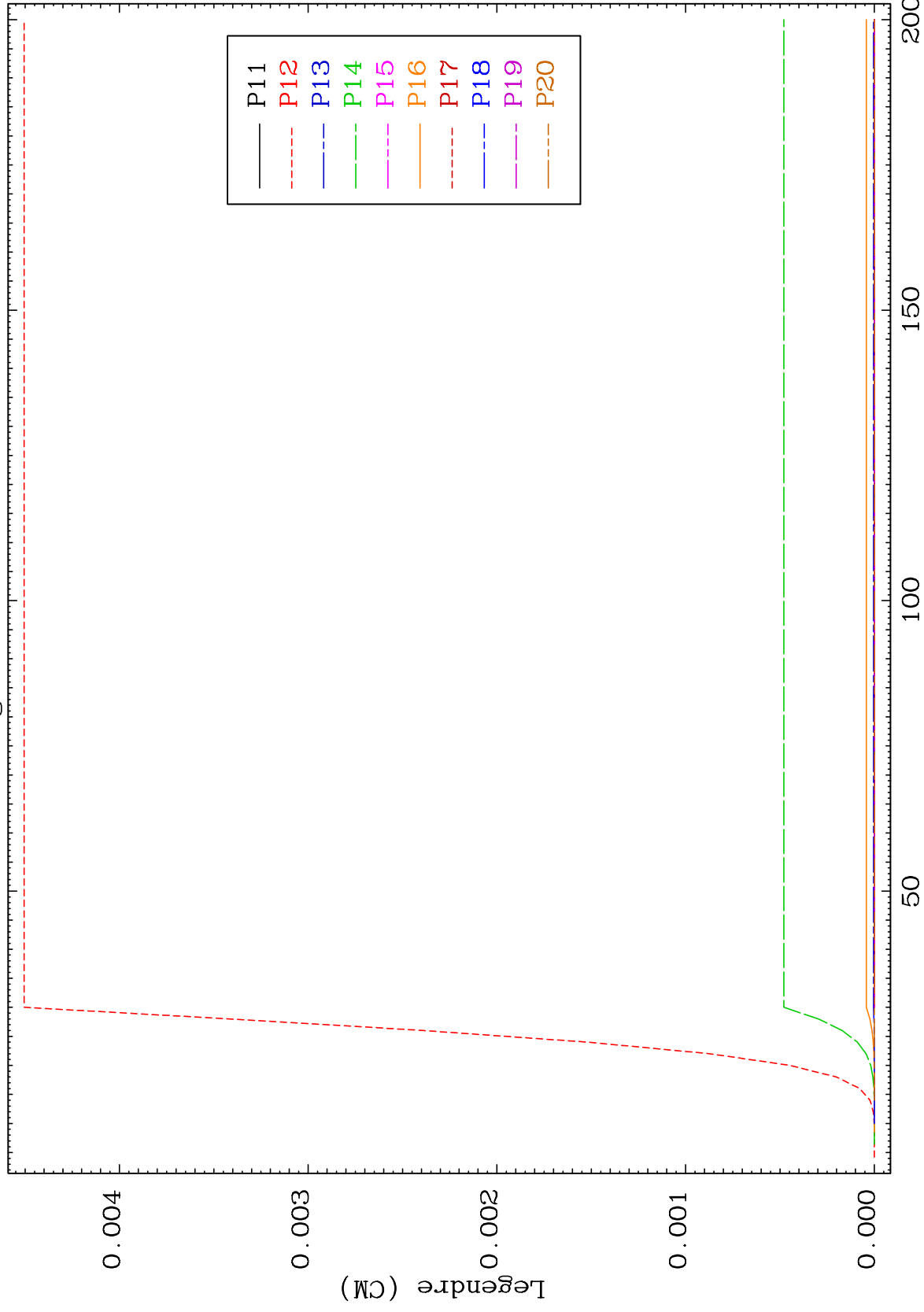




MAT 1831

18-Ar-38

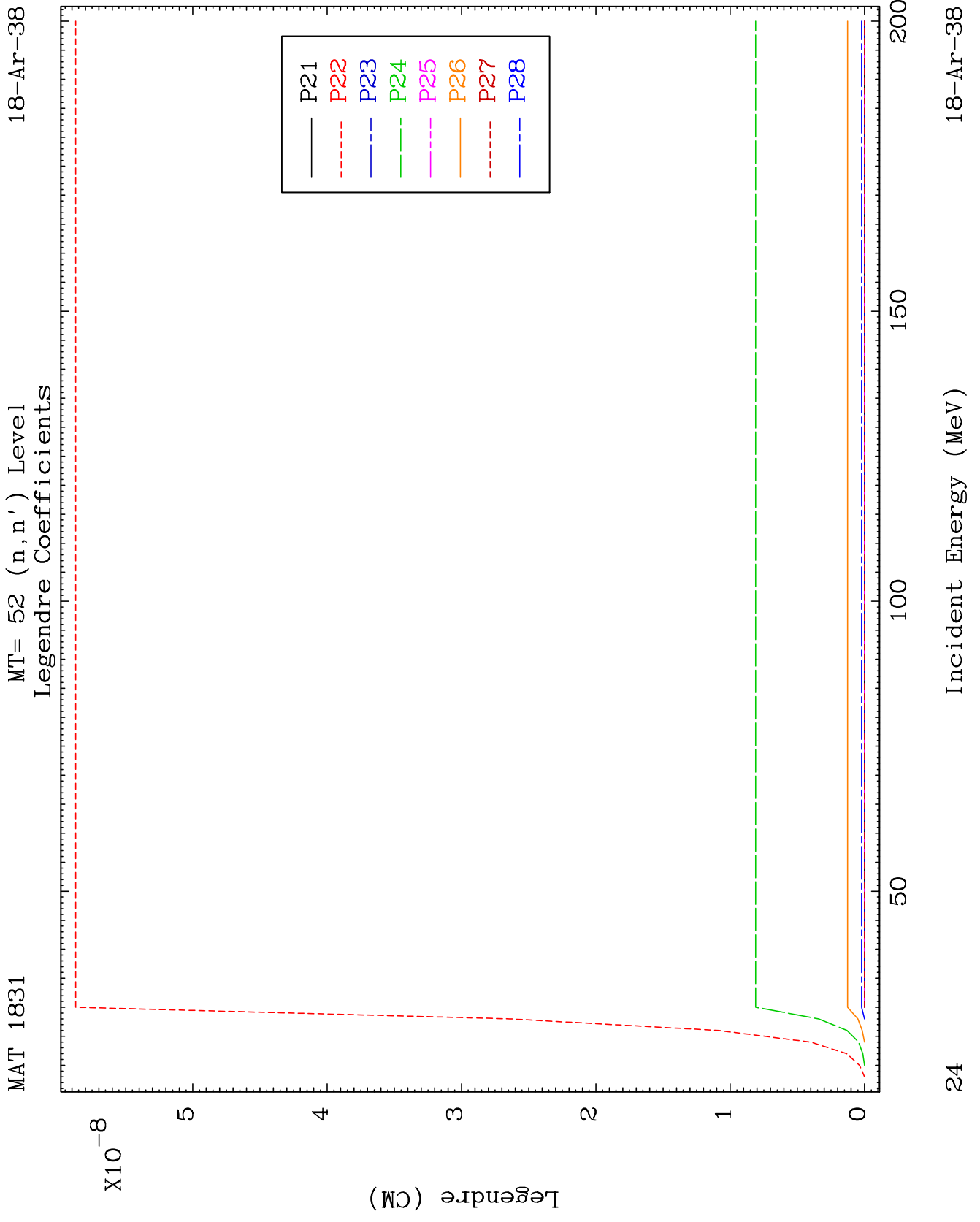
MT= 52 (n,n') Level
Legendre Coefficients



23

Incident Energy (MeV)

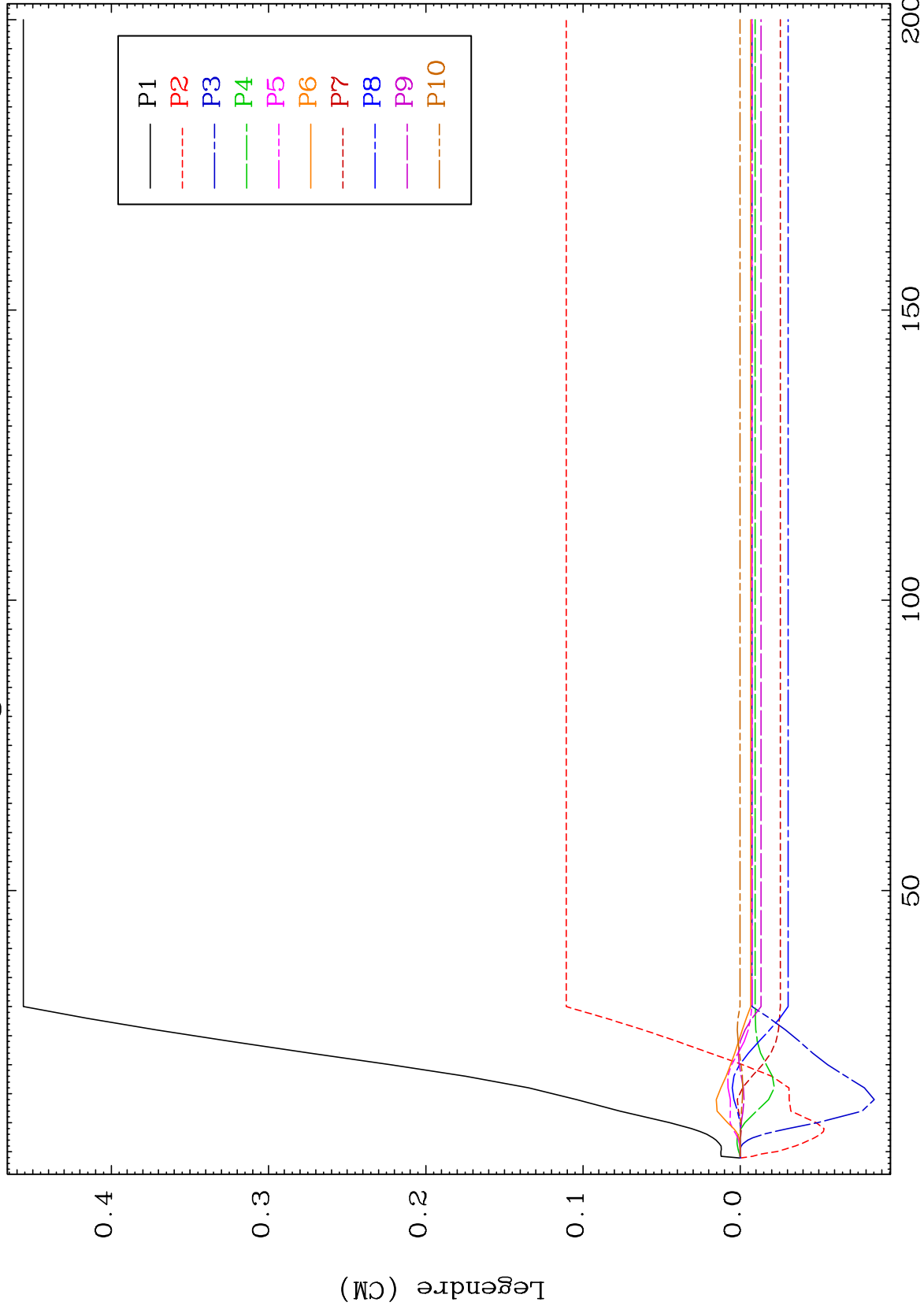
18-Ar-38



MAT 1831

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

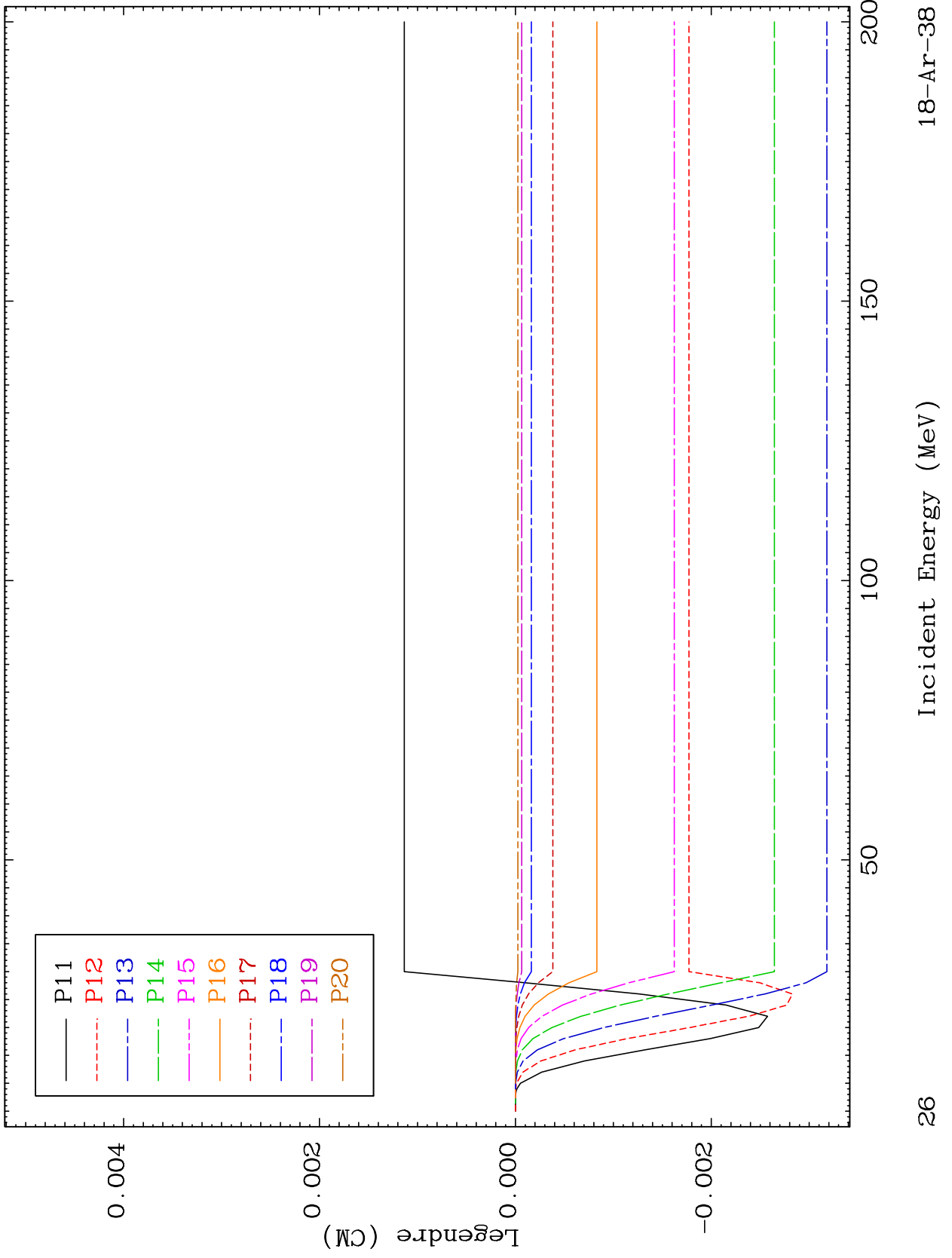
18-Ar-38

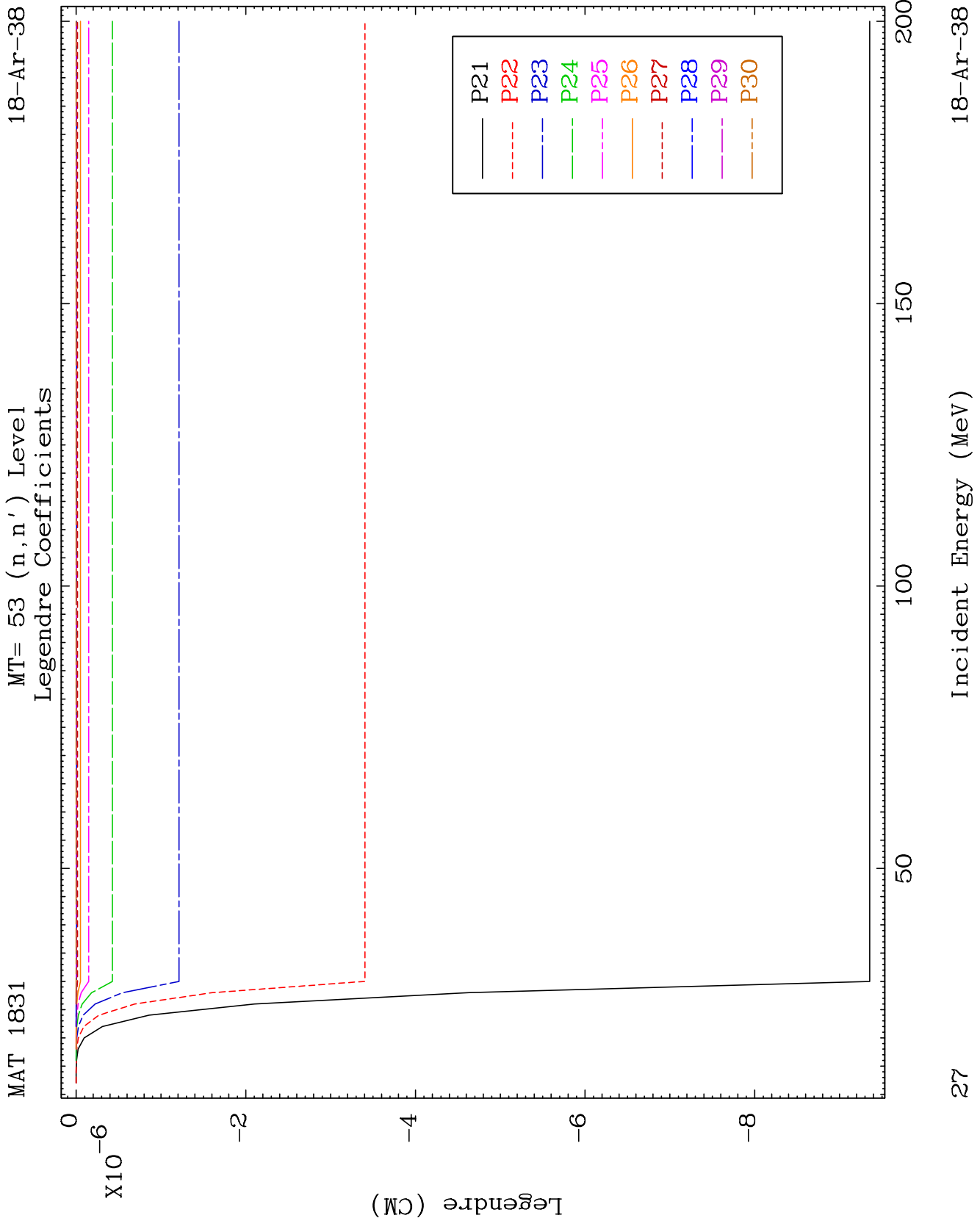


25

Incident Energy (MeV)

18-Ar-38

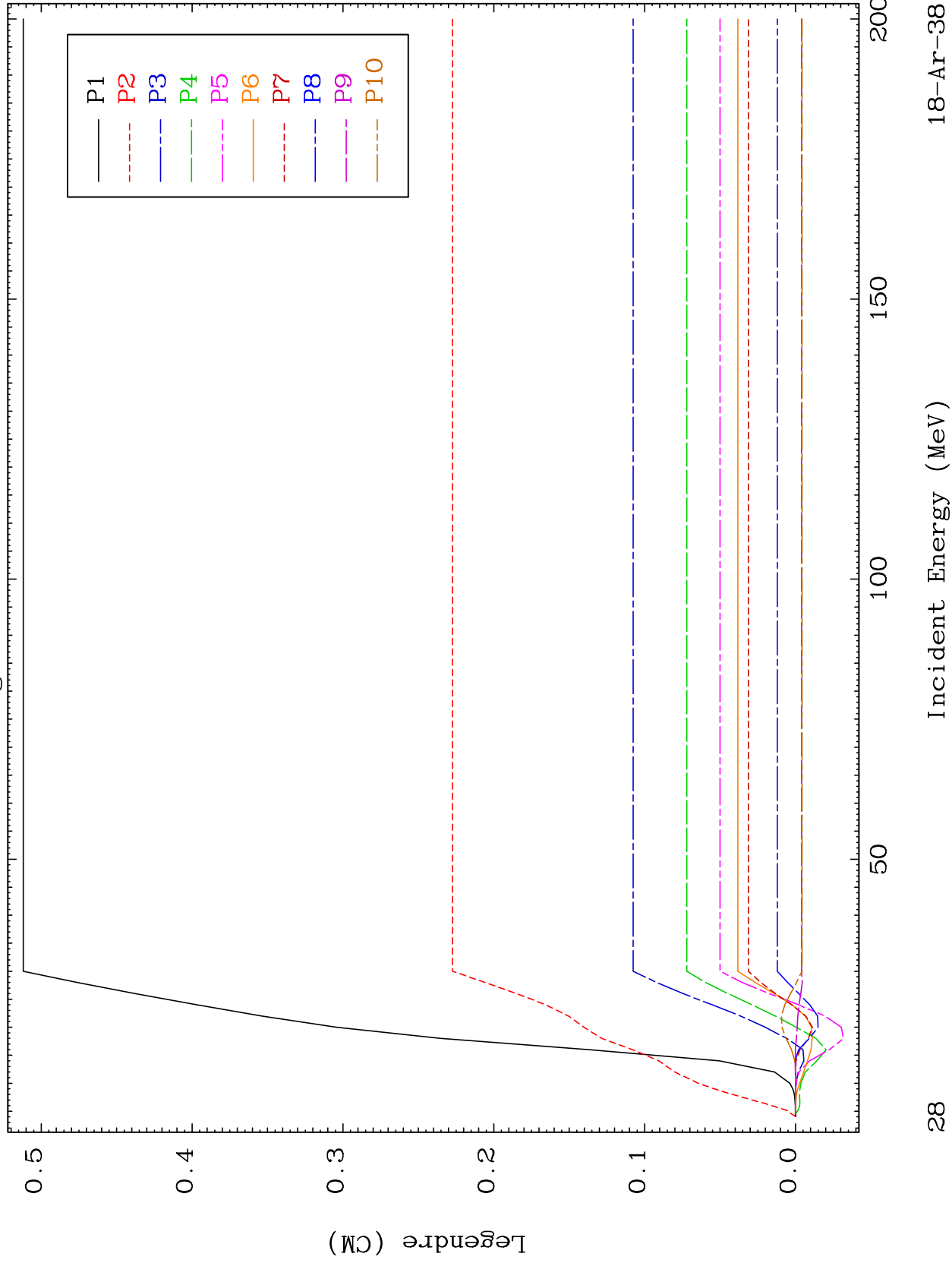




MAT 1831

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

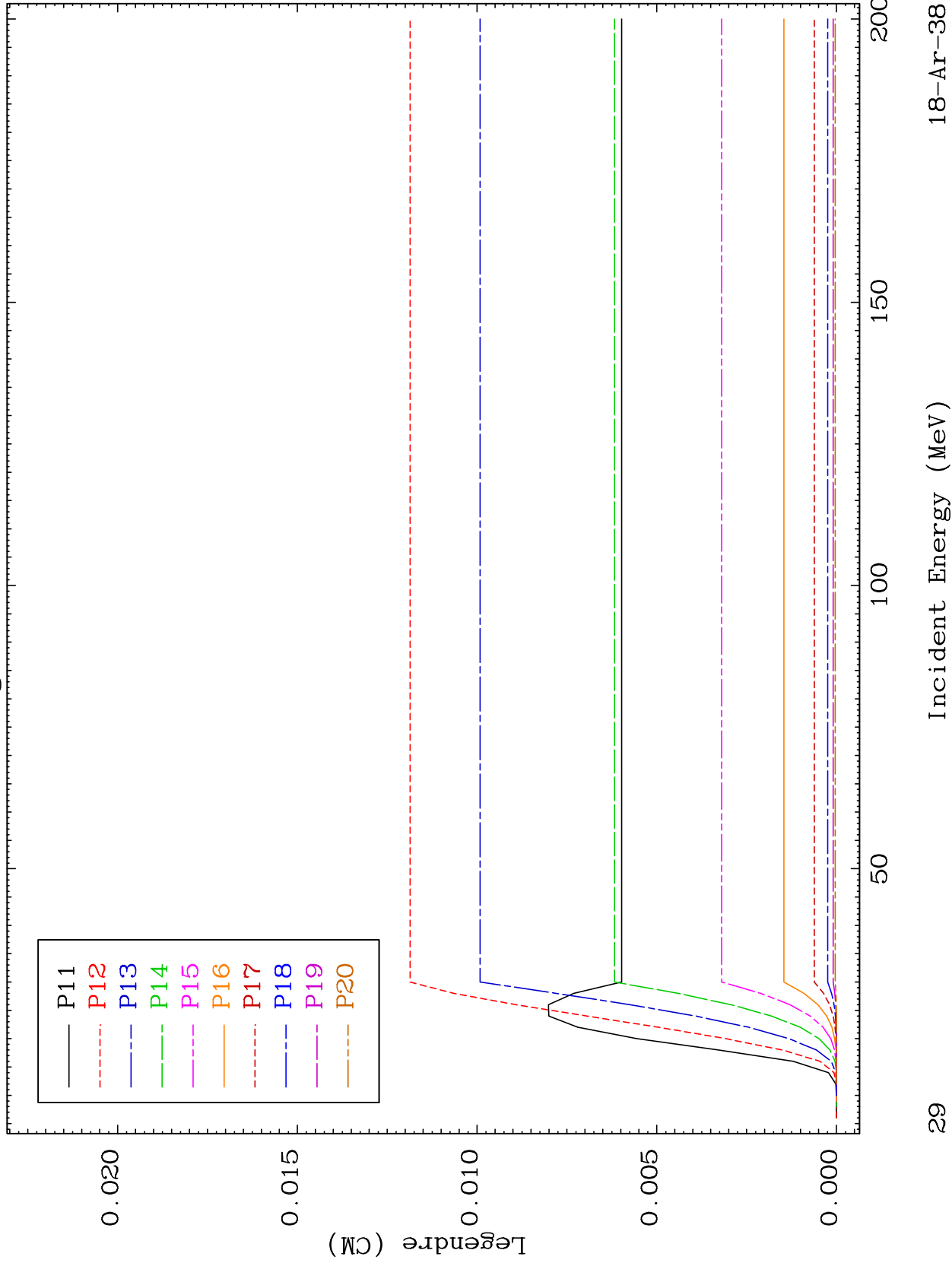
18-Ar-38



28

Incident Energy (MeV)

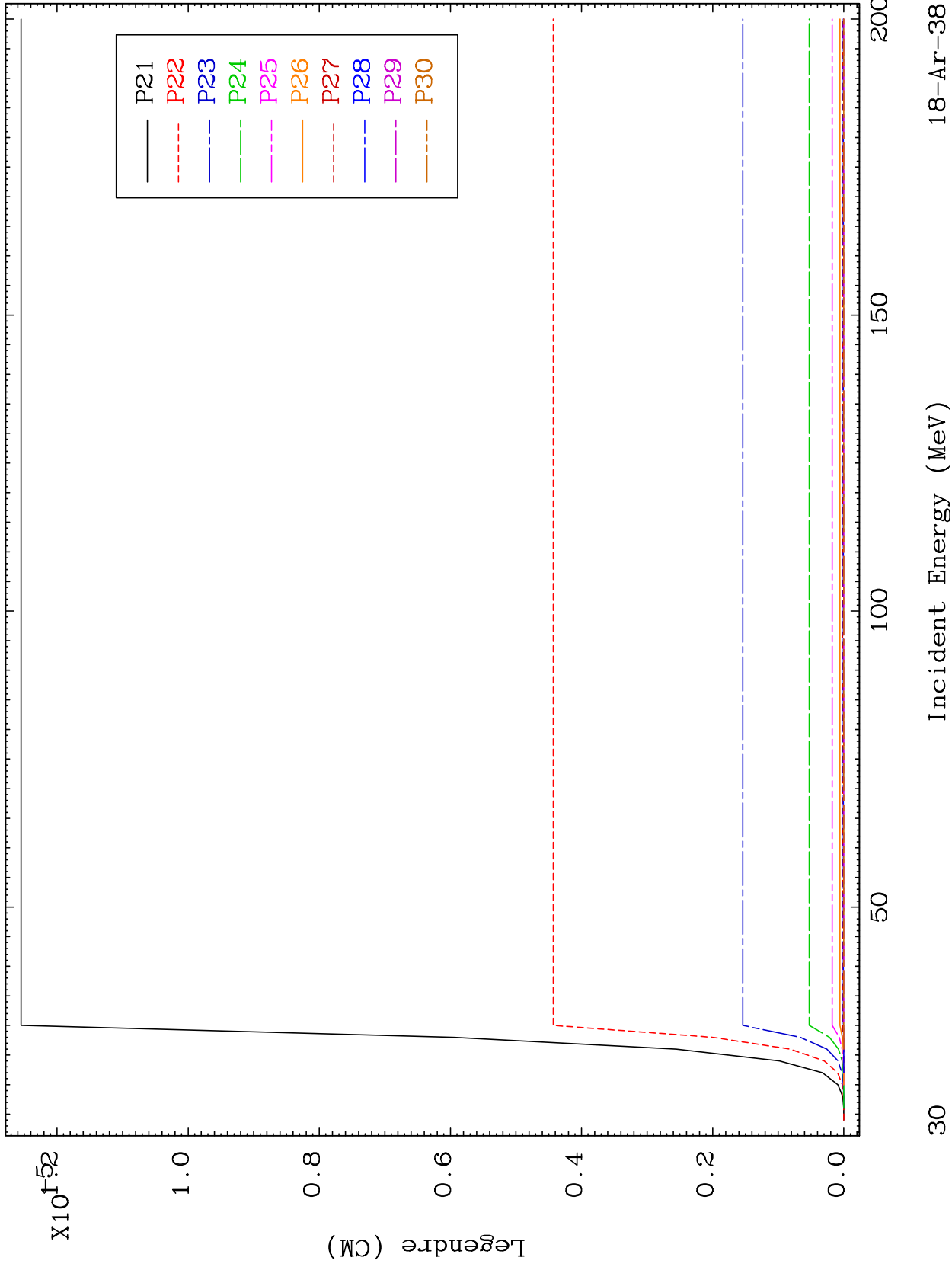
18-Ar-38



MAT 1831

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

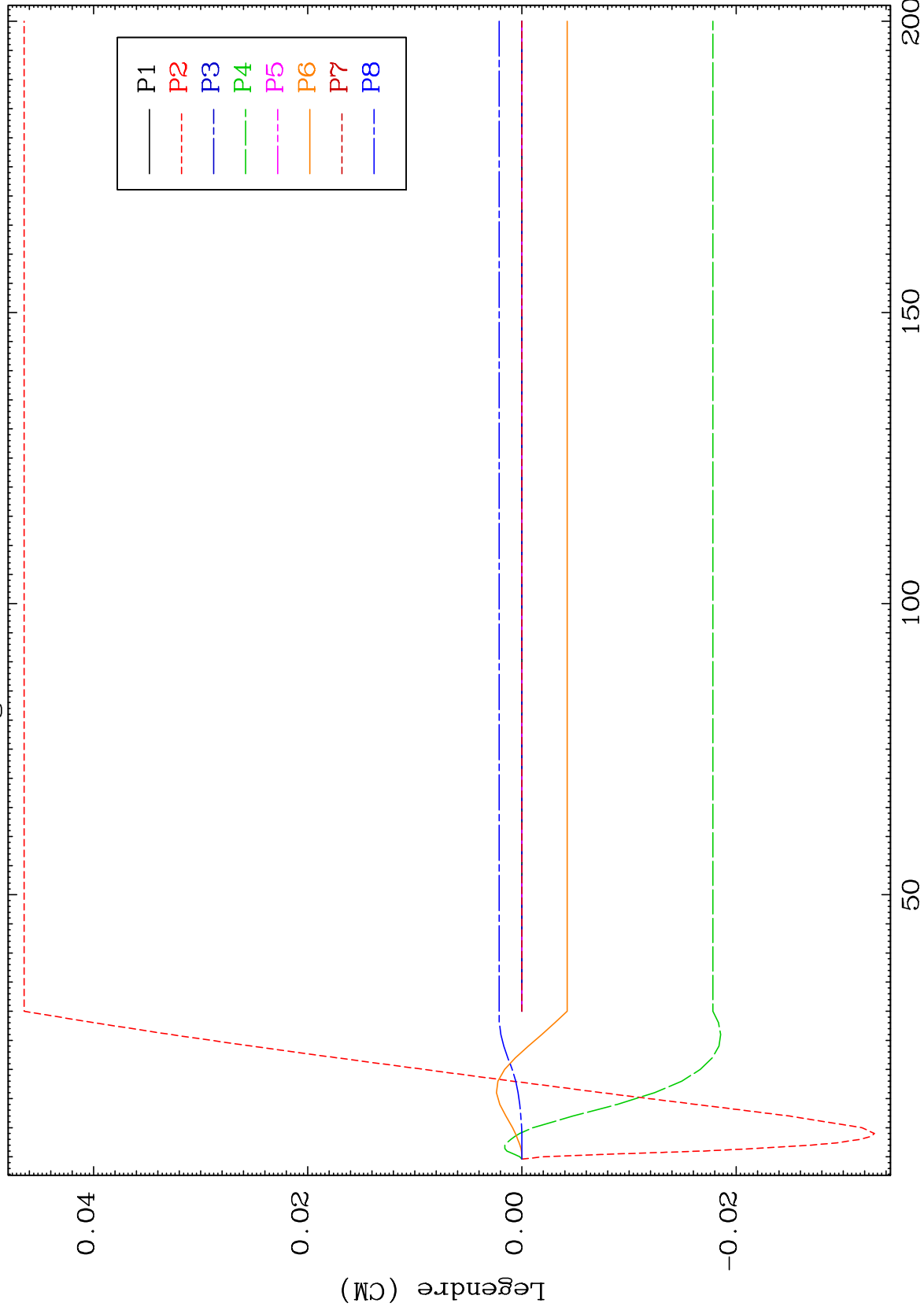
18-Ar-38



MAT 1831

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

18-Ar-38



31

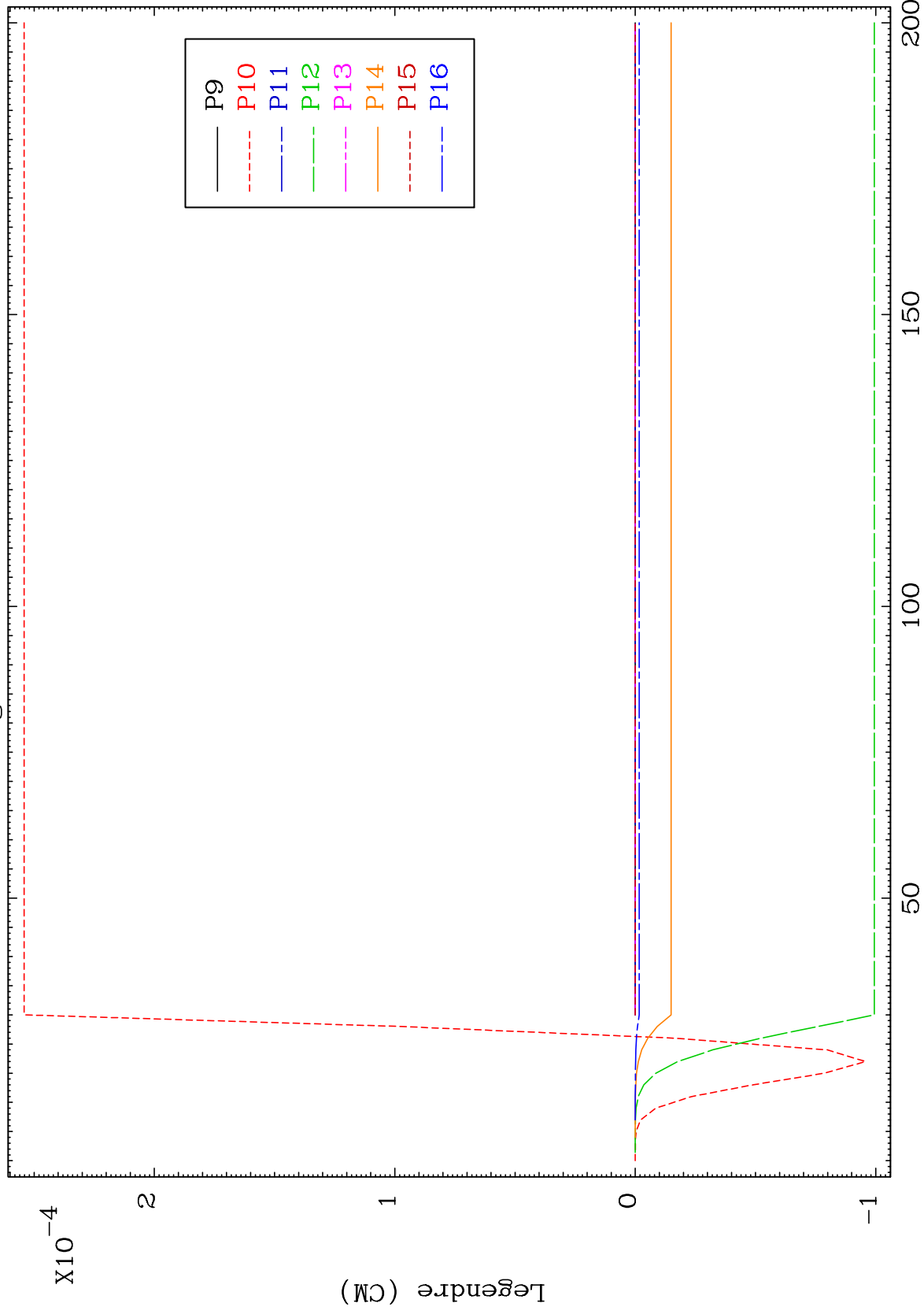
Incident Energy (MeV)

18-Ar-38

MAT 1831

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

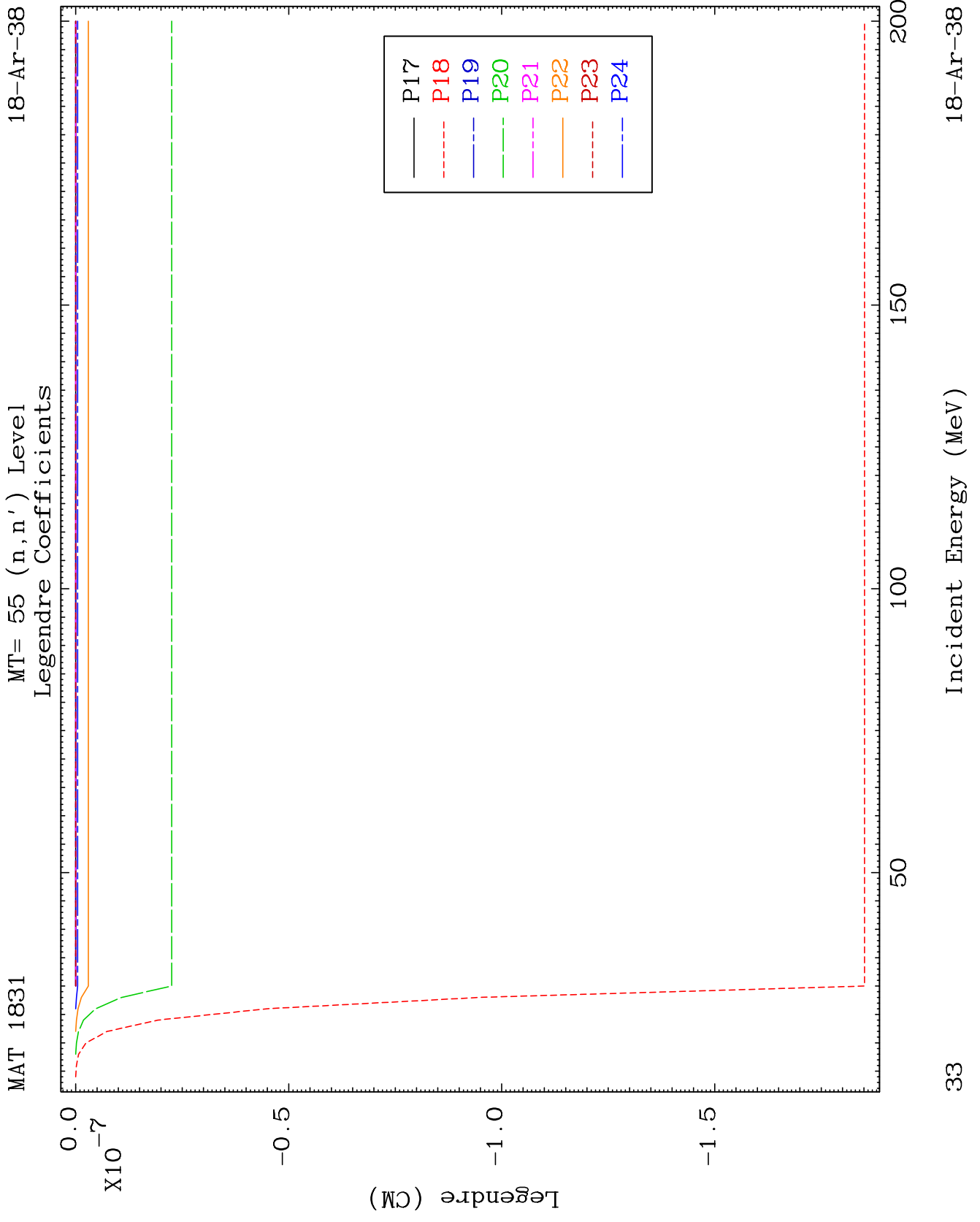
18-Ar-38



32

Incident Energy (MeV)

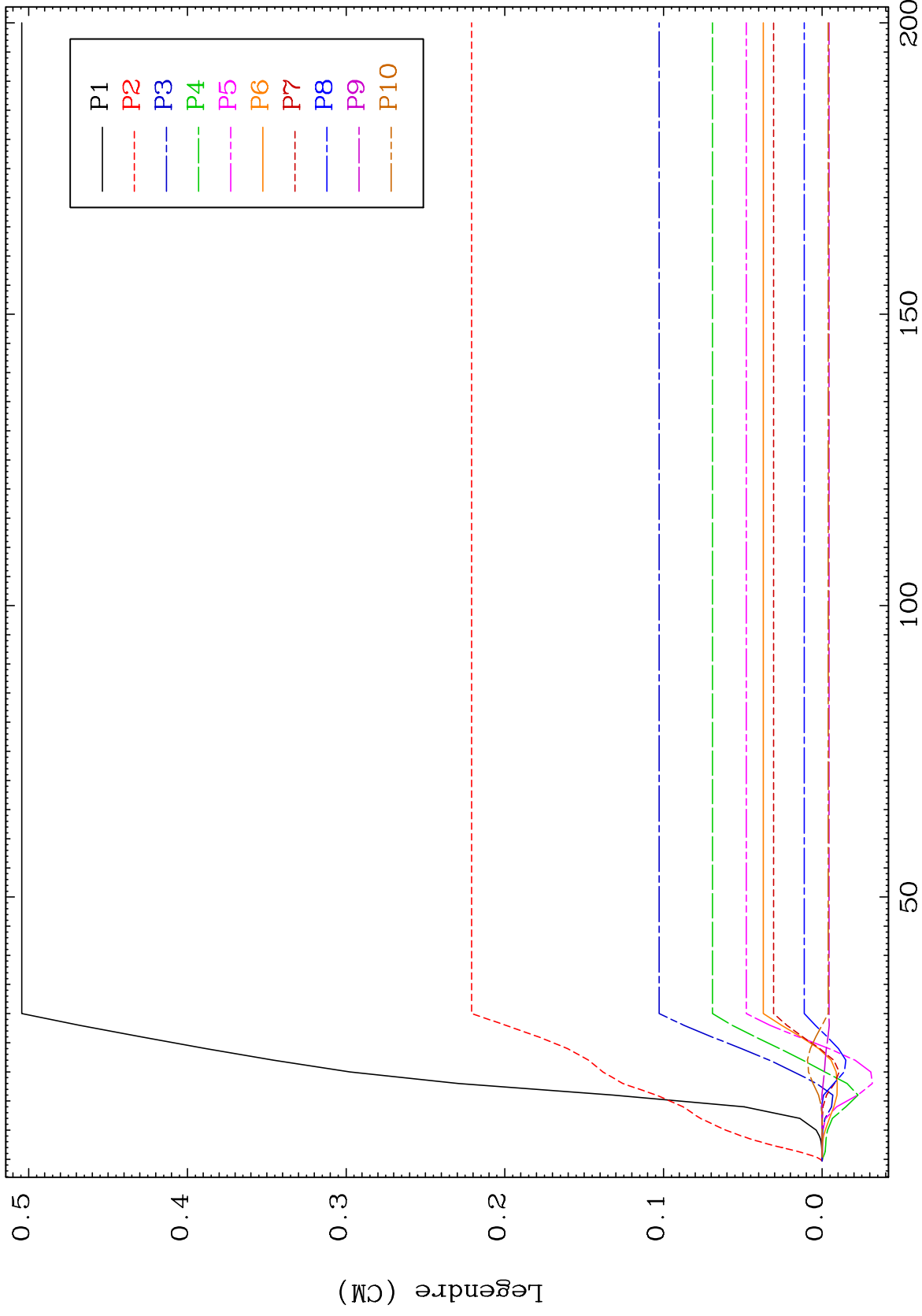
18-Ar-38



MAT 1831

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

18-Ar-38



34

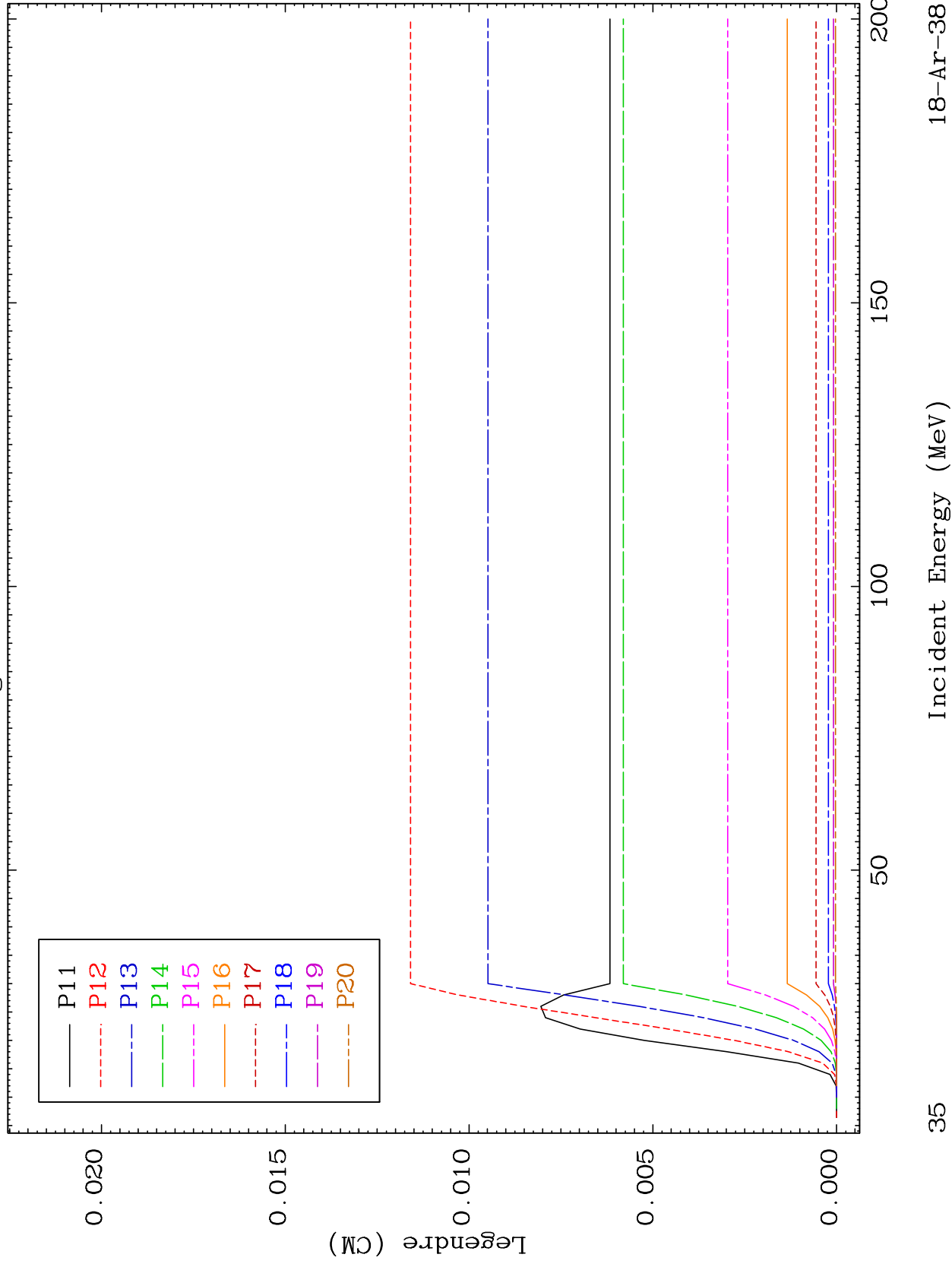
Incident Energy (MeV)

18-Ar-38

MAT 1831

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

18-Ar-38



35

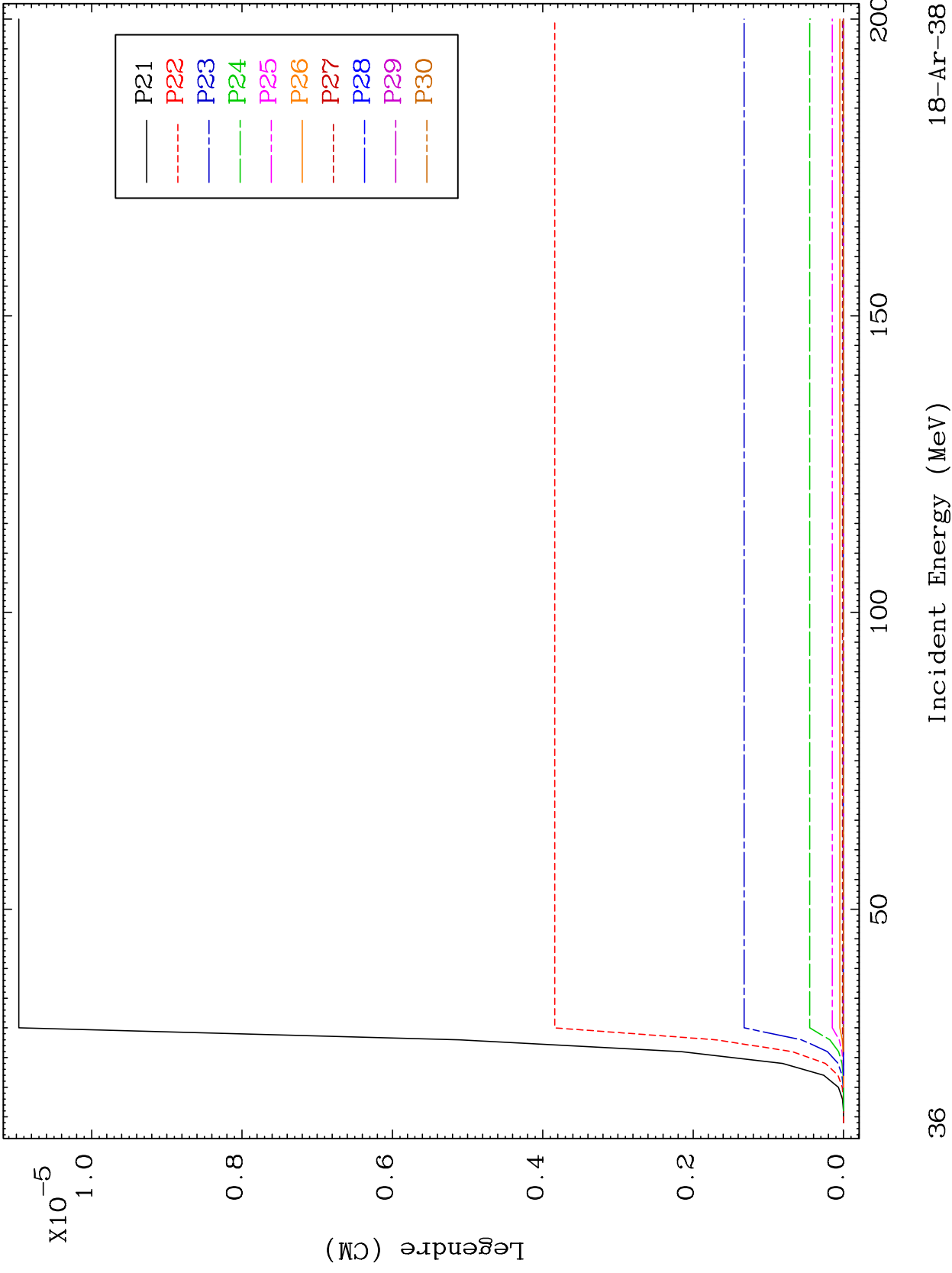
Incident Energy (MeV)

18-Ar-38

MAT 1831

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

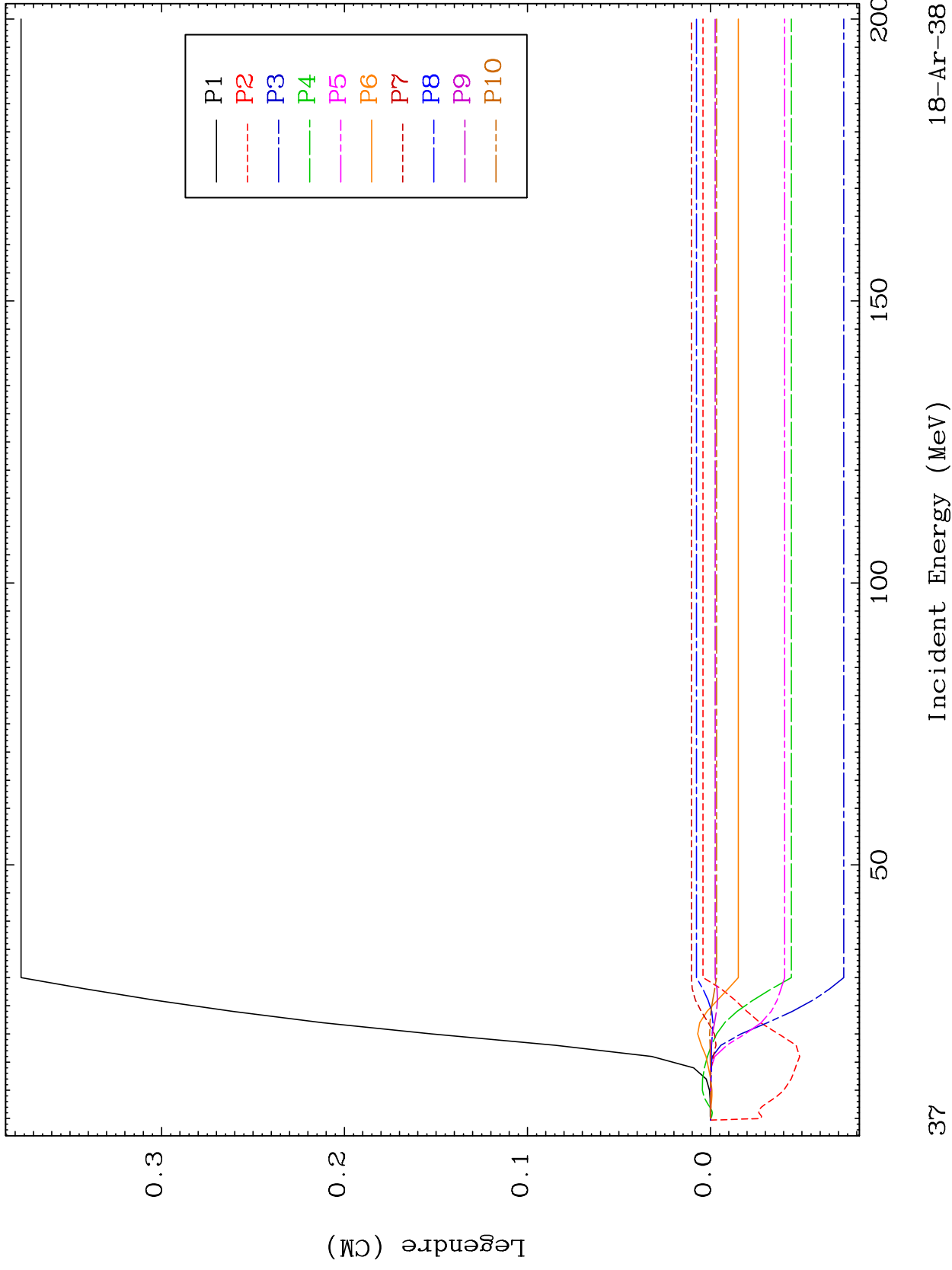
18-Ar-38



MAT 1831

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

18-Ar-38



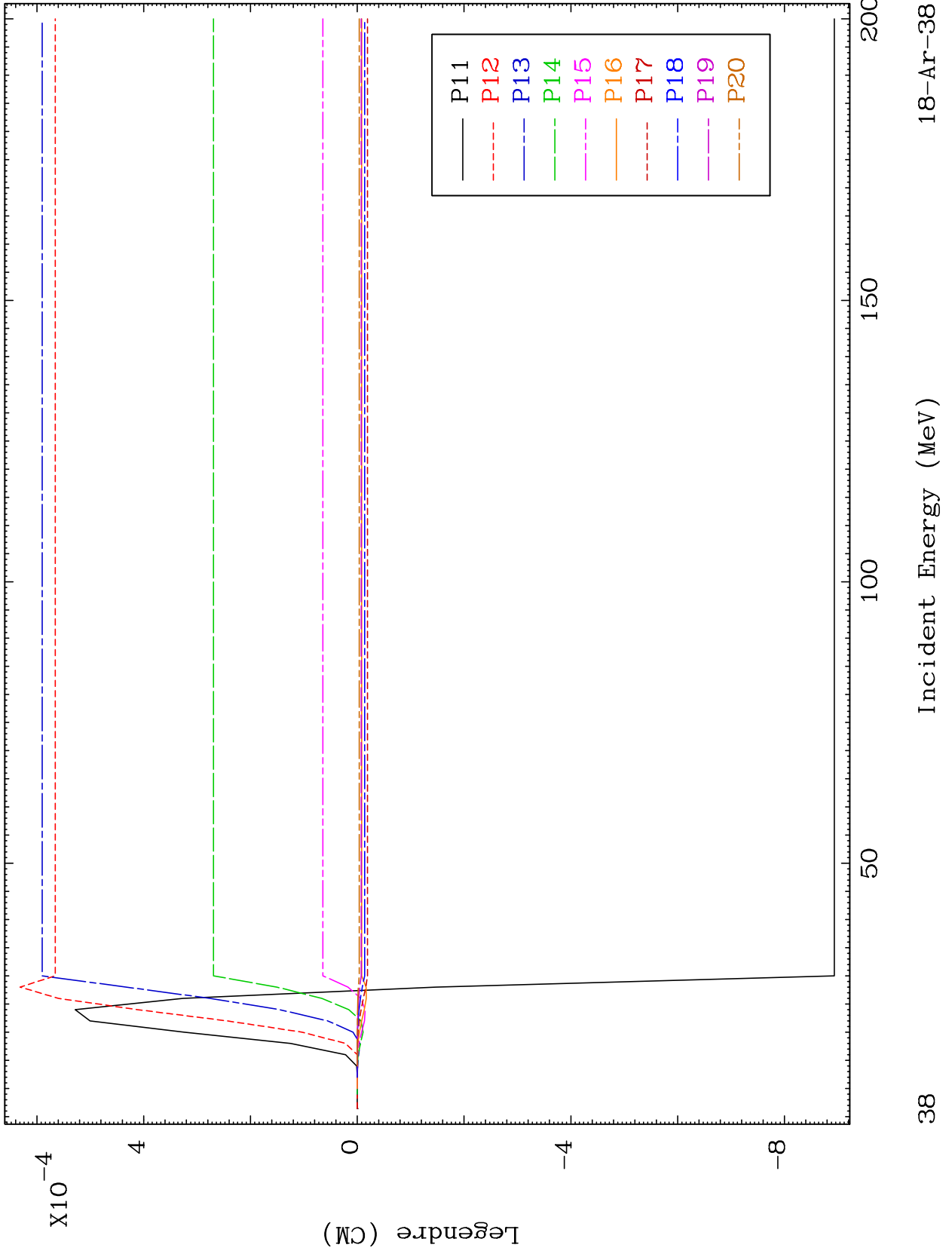
37

18-Ar-38

MAT 1831

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

18-Ar-38

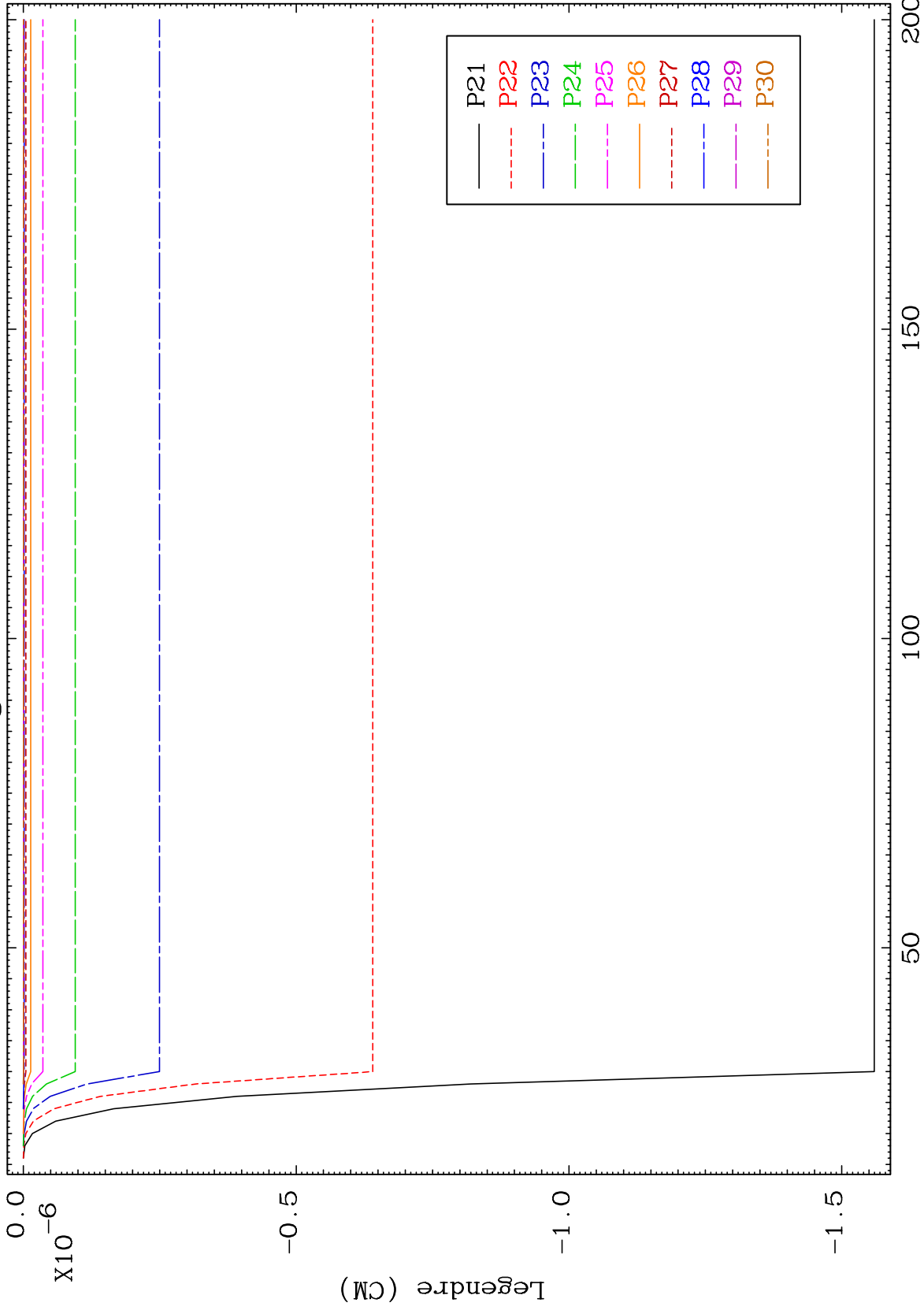


MAT 1831

MT= 57 (n,n') Level

18-Ar-38

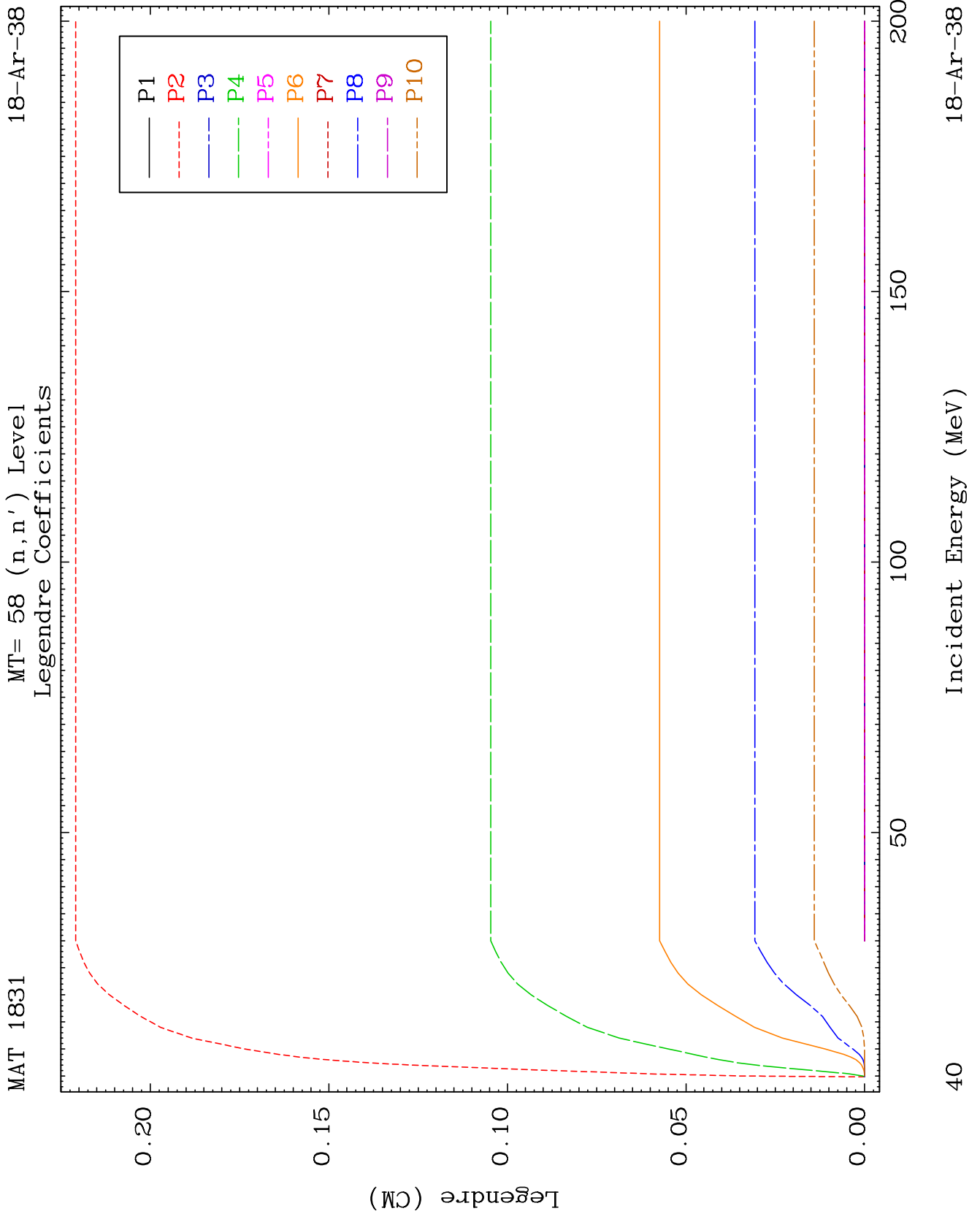
Legendre Coefficients

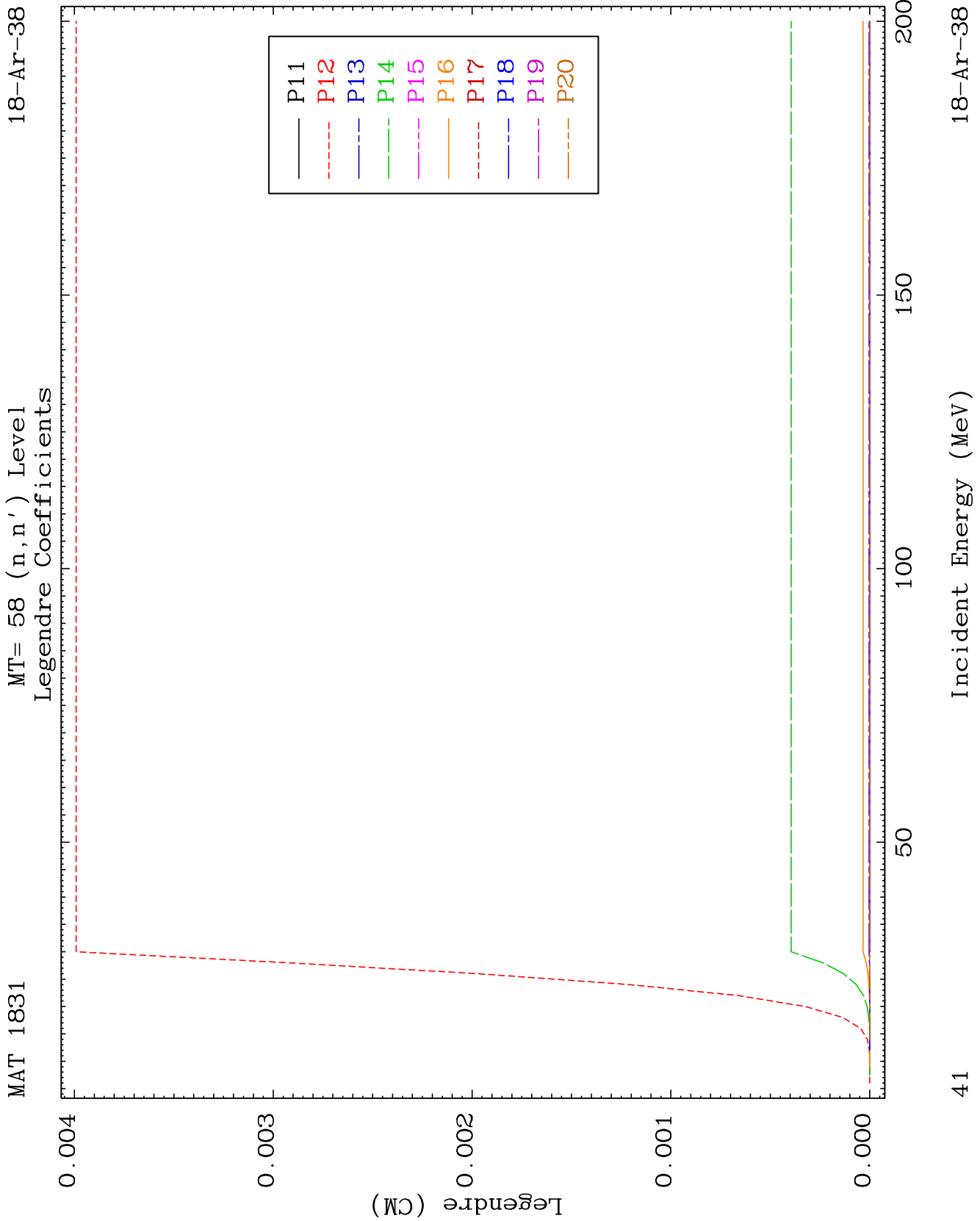


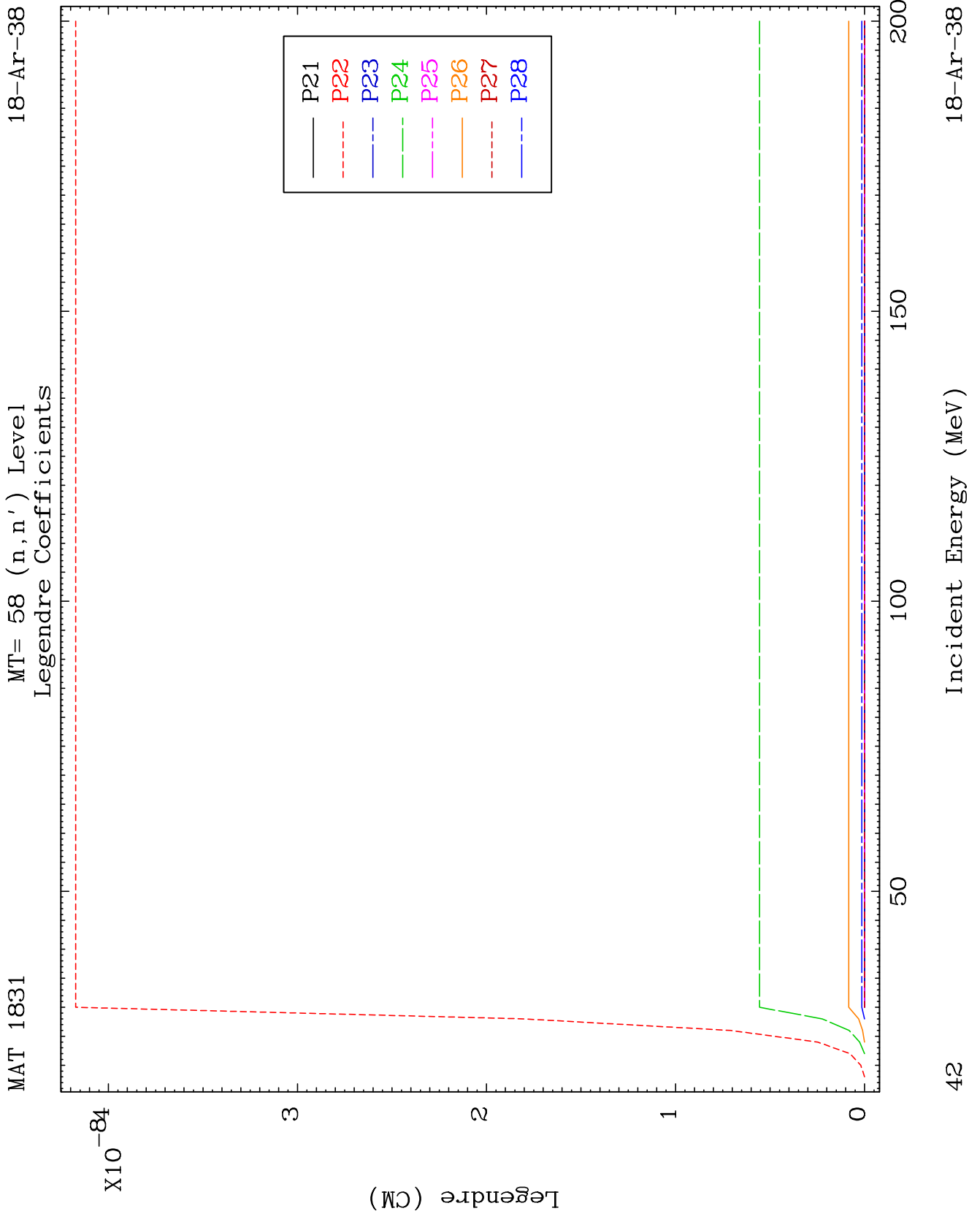
39

Incident Energy (MeV)

18-Ar-38



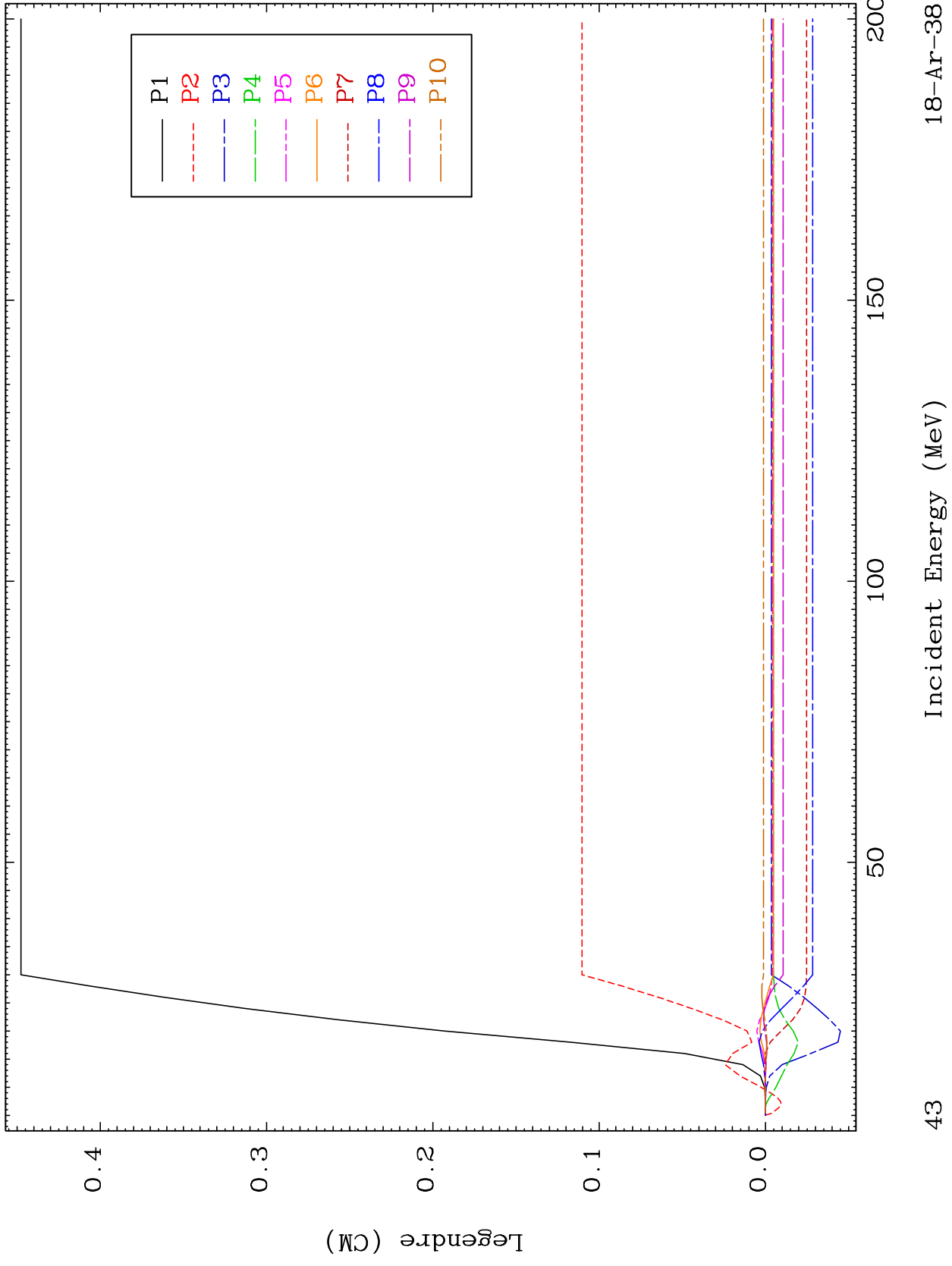




MAT 1831

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

18-Ar-38



43

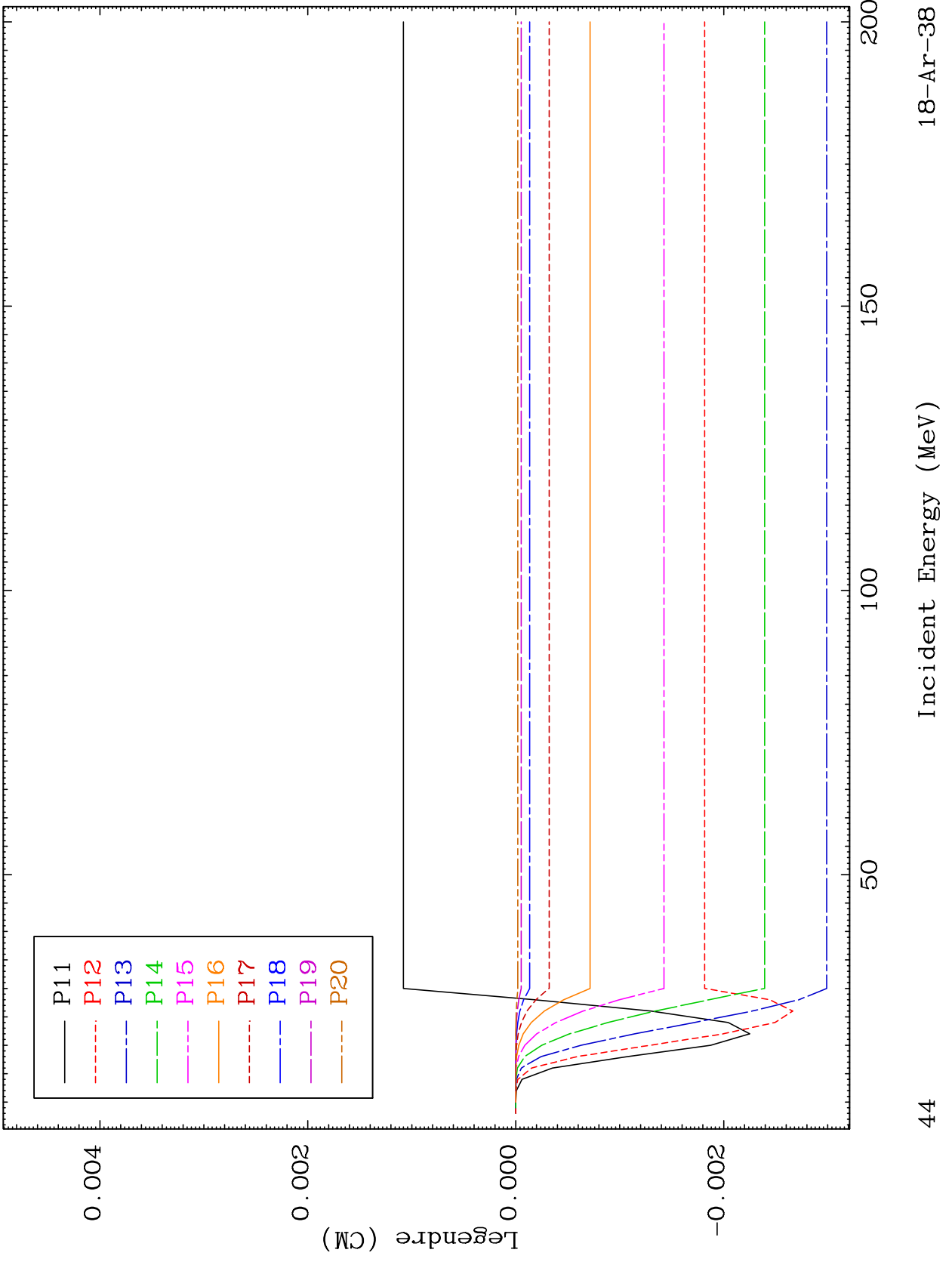
Incident Energy (MeV)

18-Ar-38

MAT 1831

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

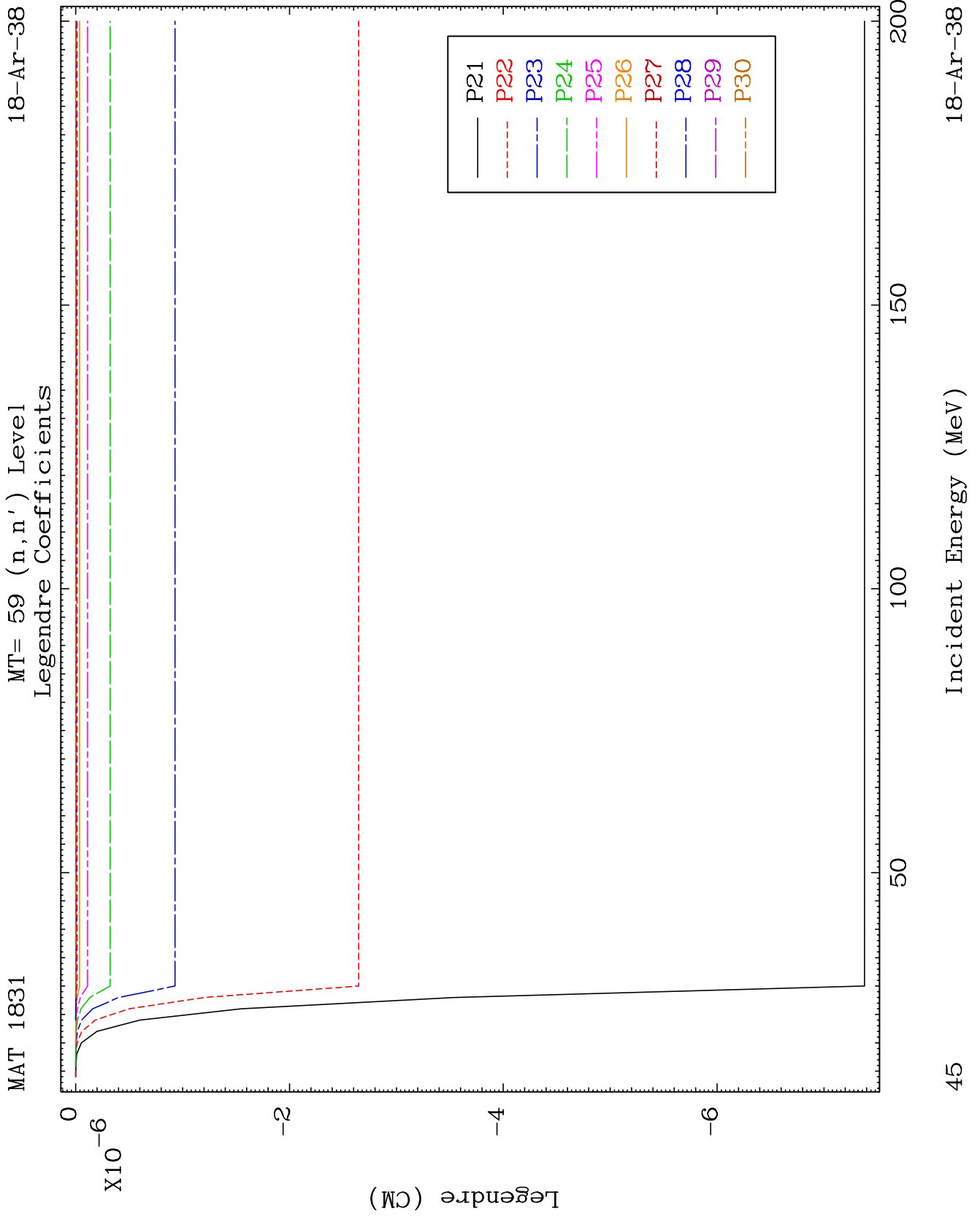
18-Ar-38

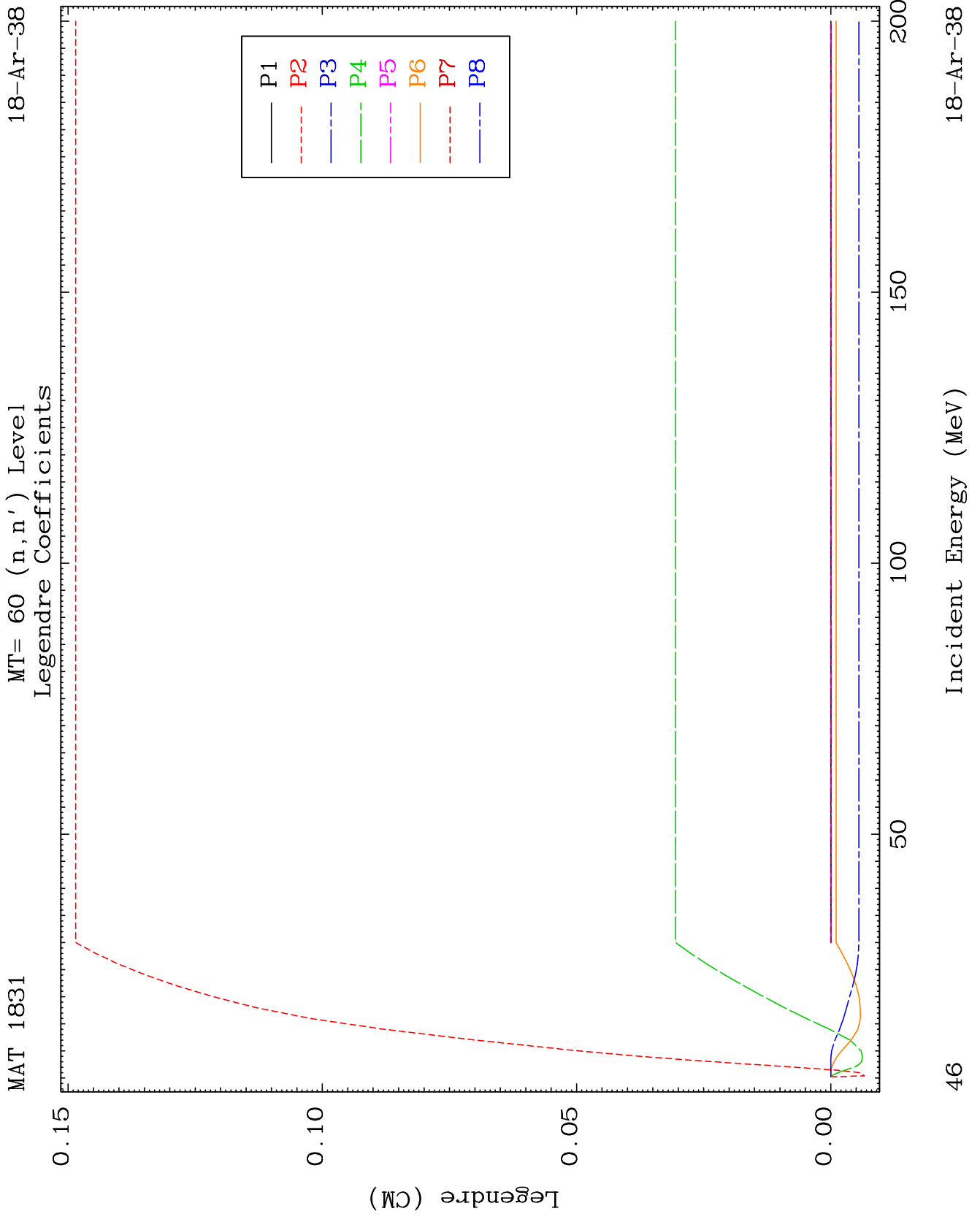


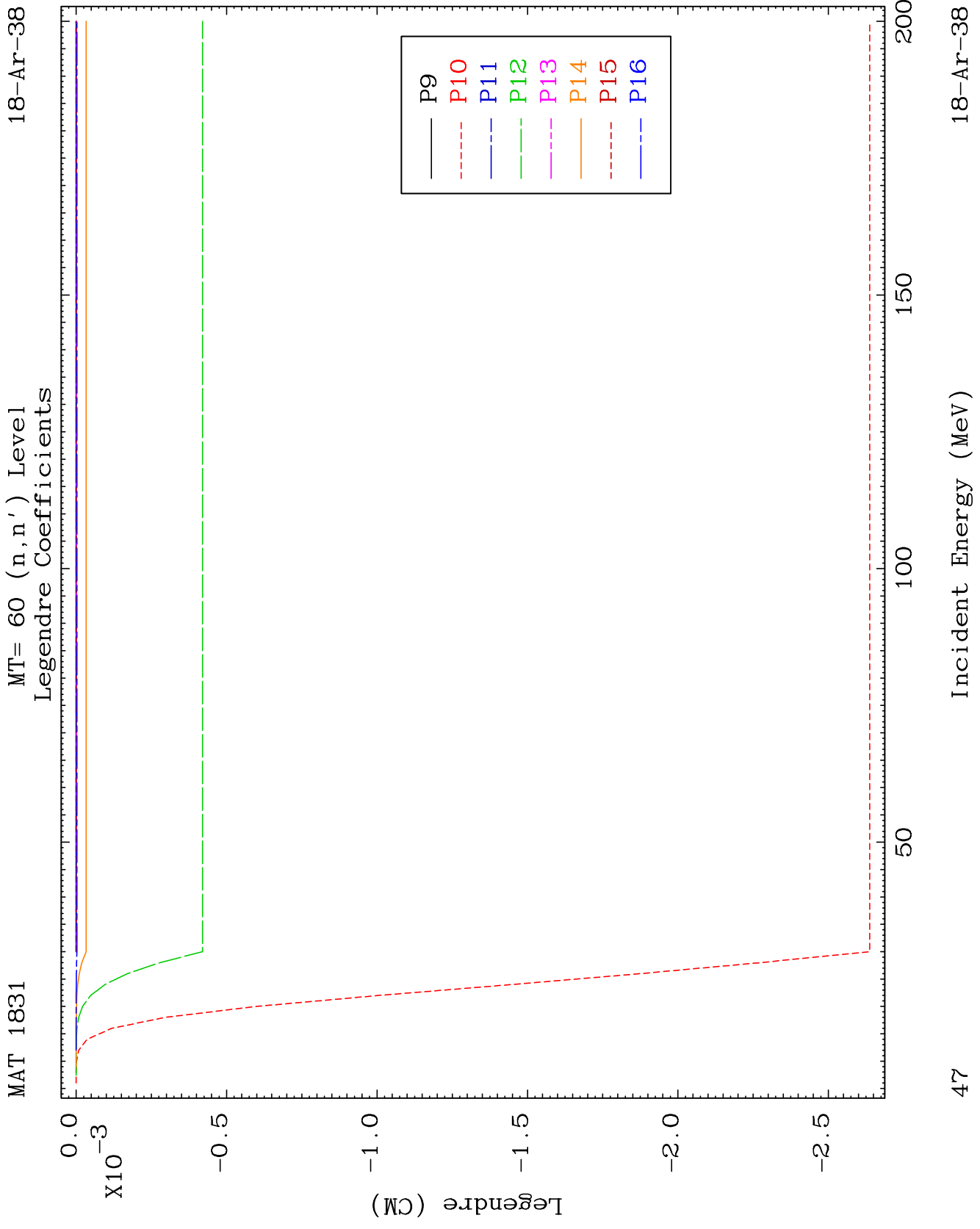
44

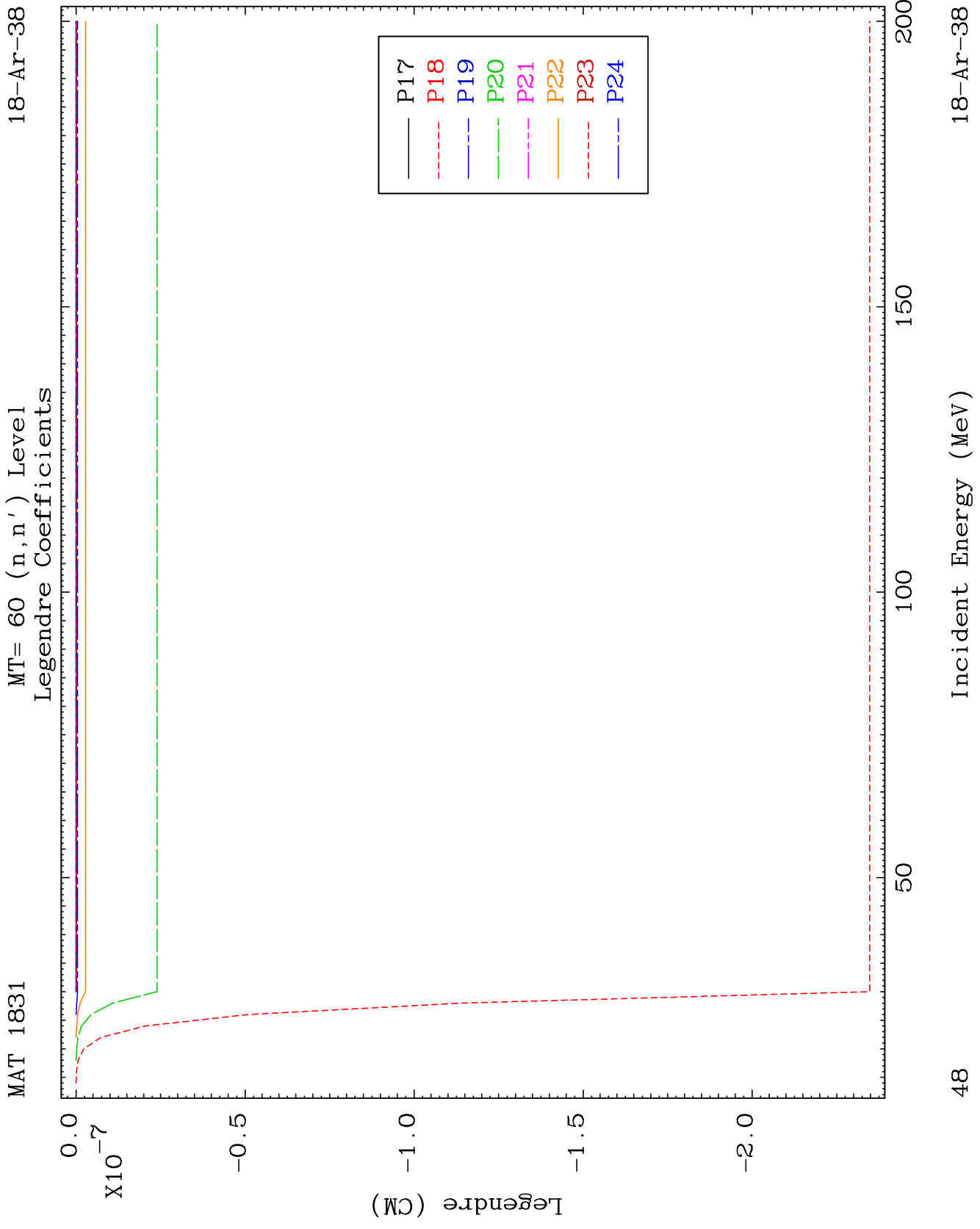
Incident Energy (MeV)

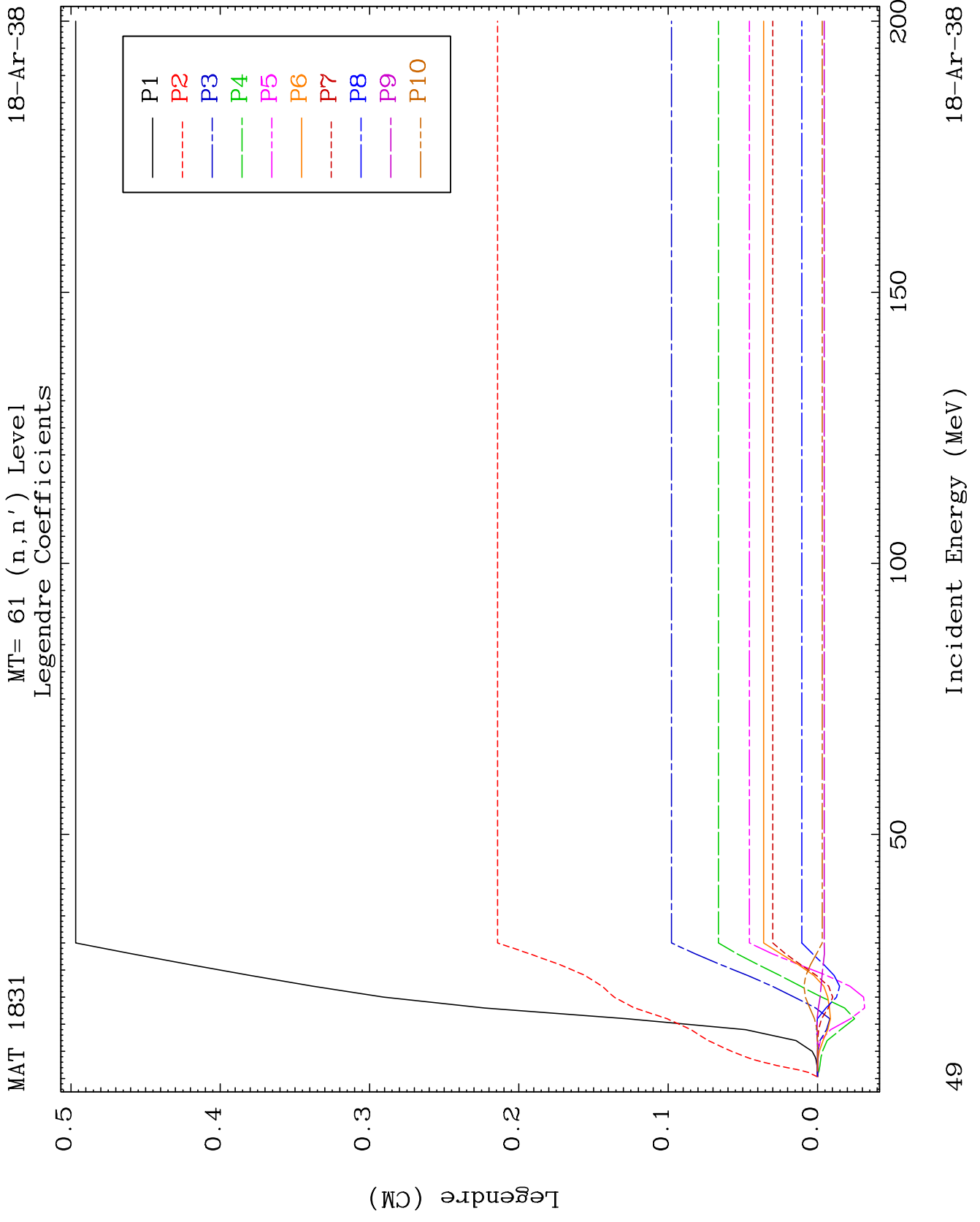
18-Ar-38







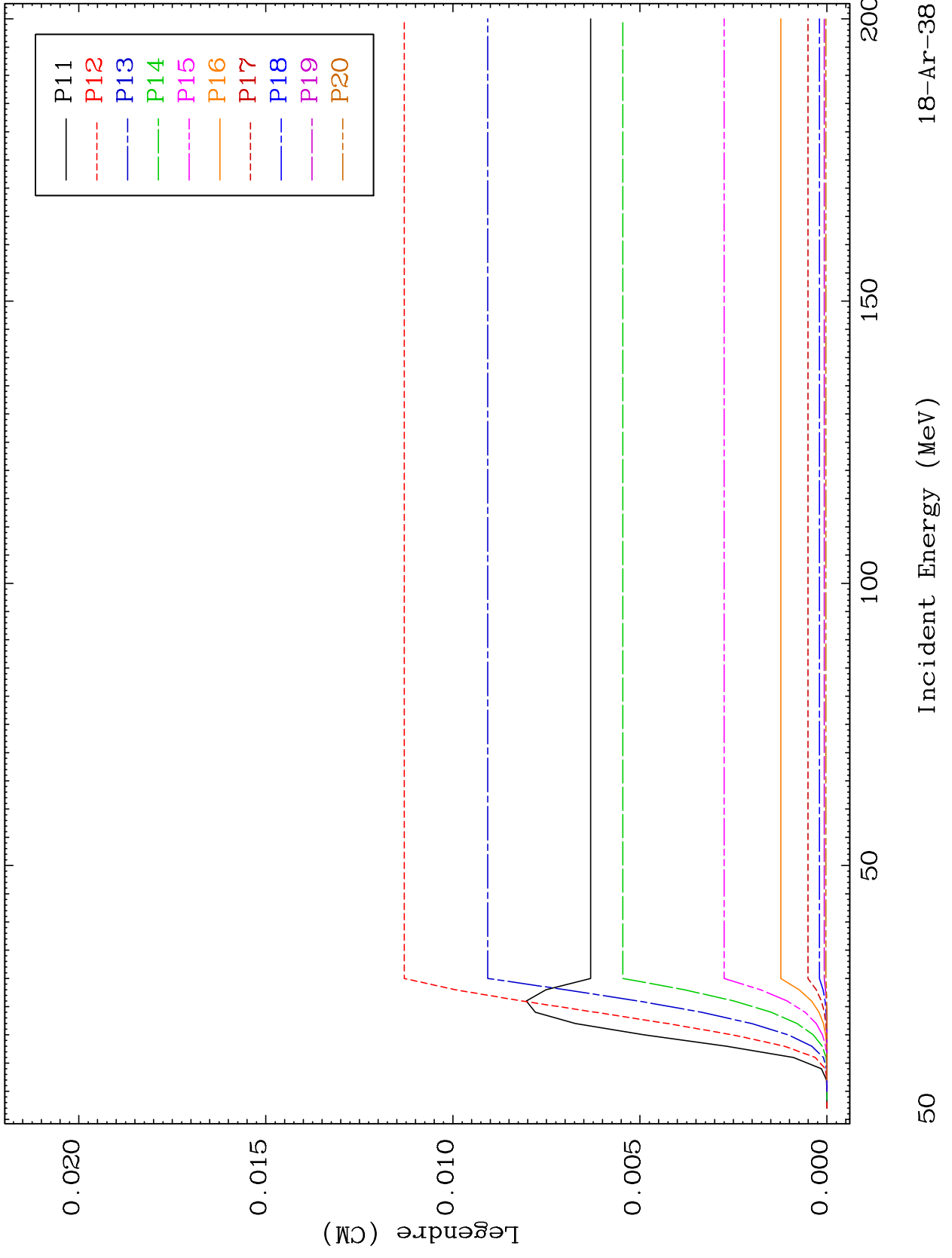




MAT 1831

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

18-Ar-38



18-Ar-38

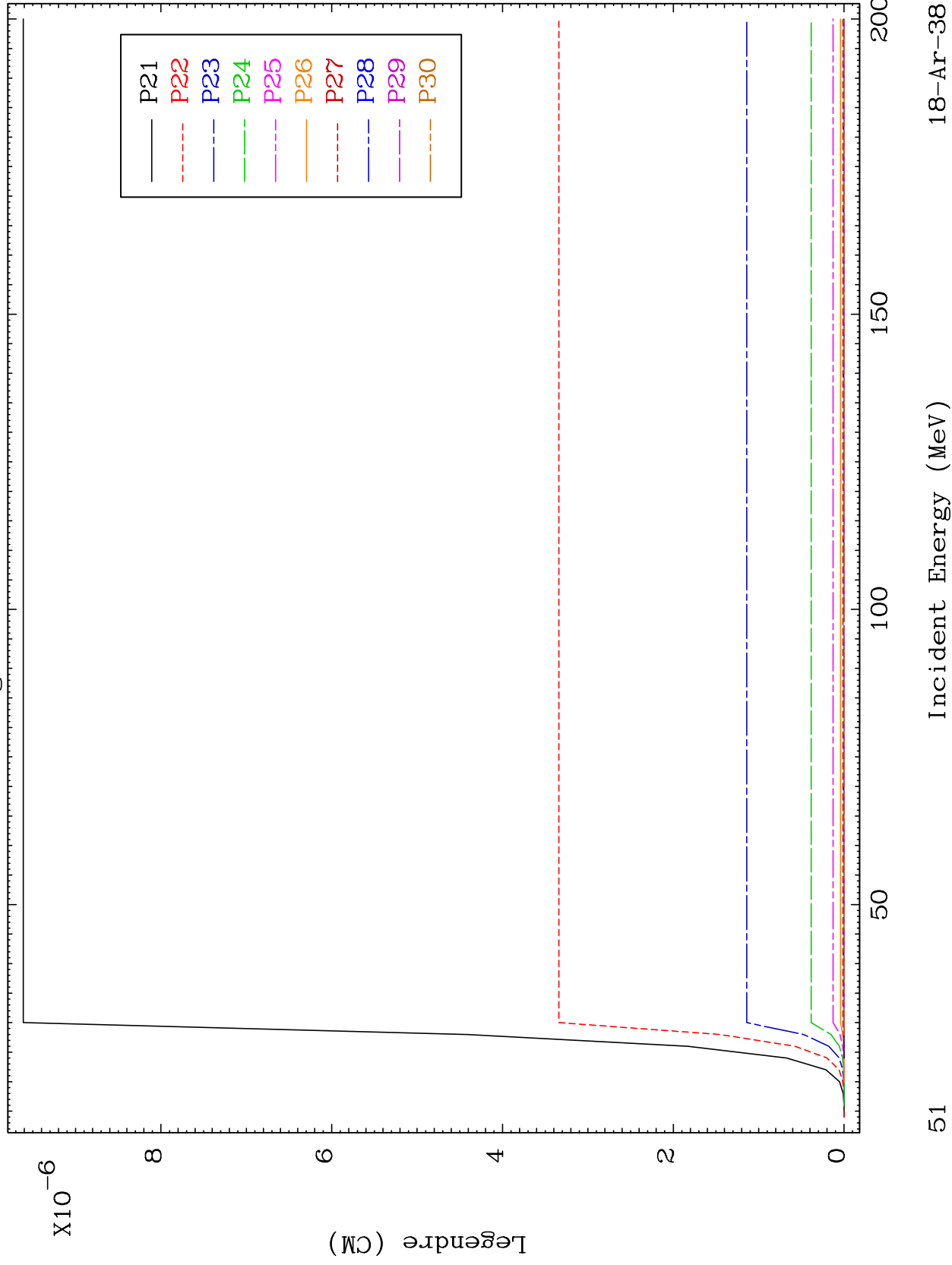
Incident Energy (MeV)

50

MAT 1831

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

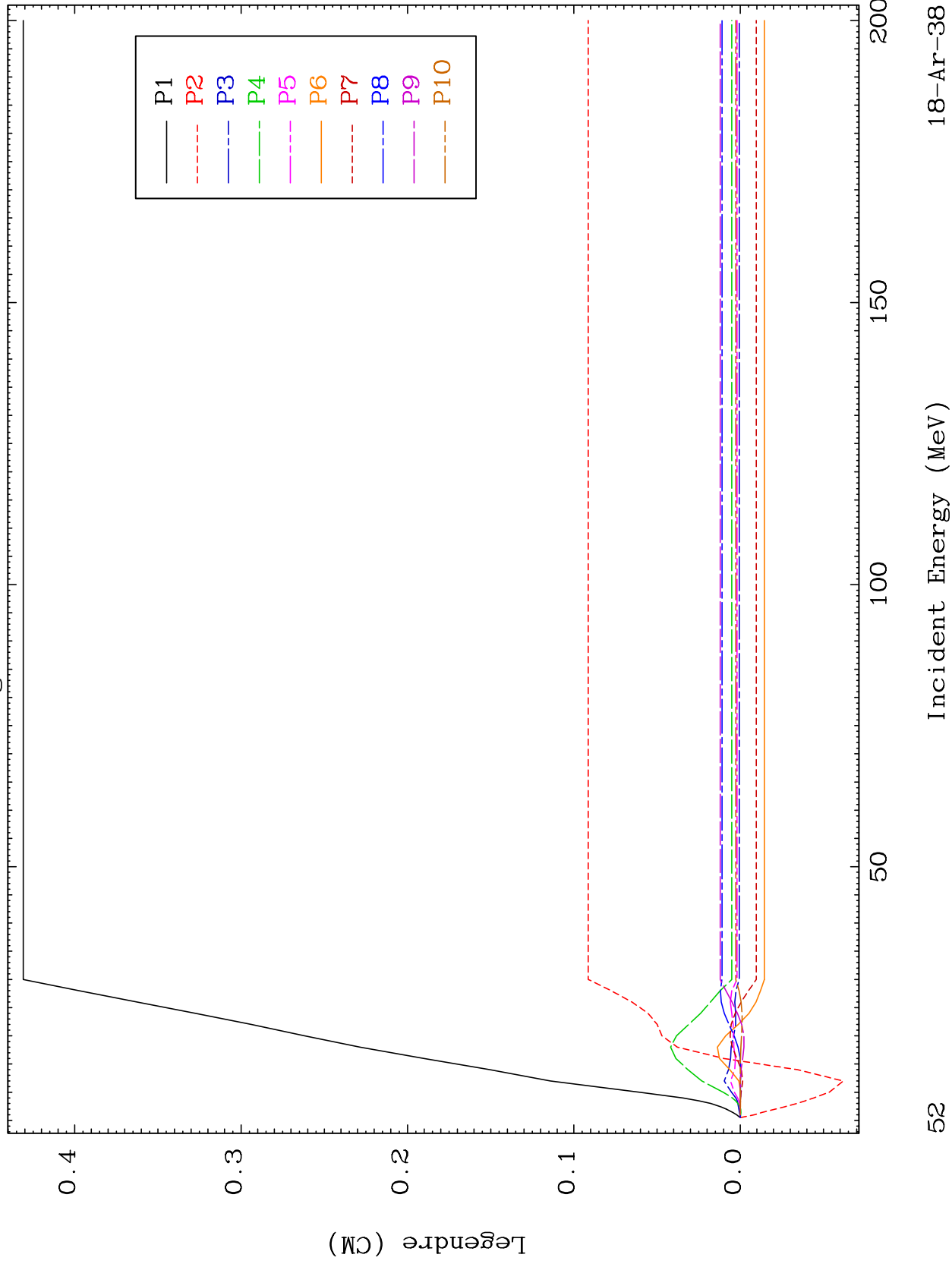
18-Ar-38



MAT 1831

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

18-Ar-38



52

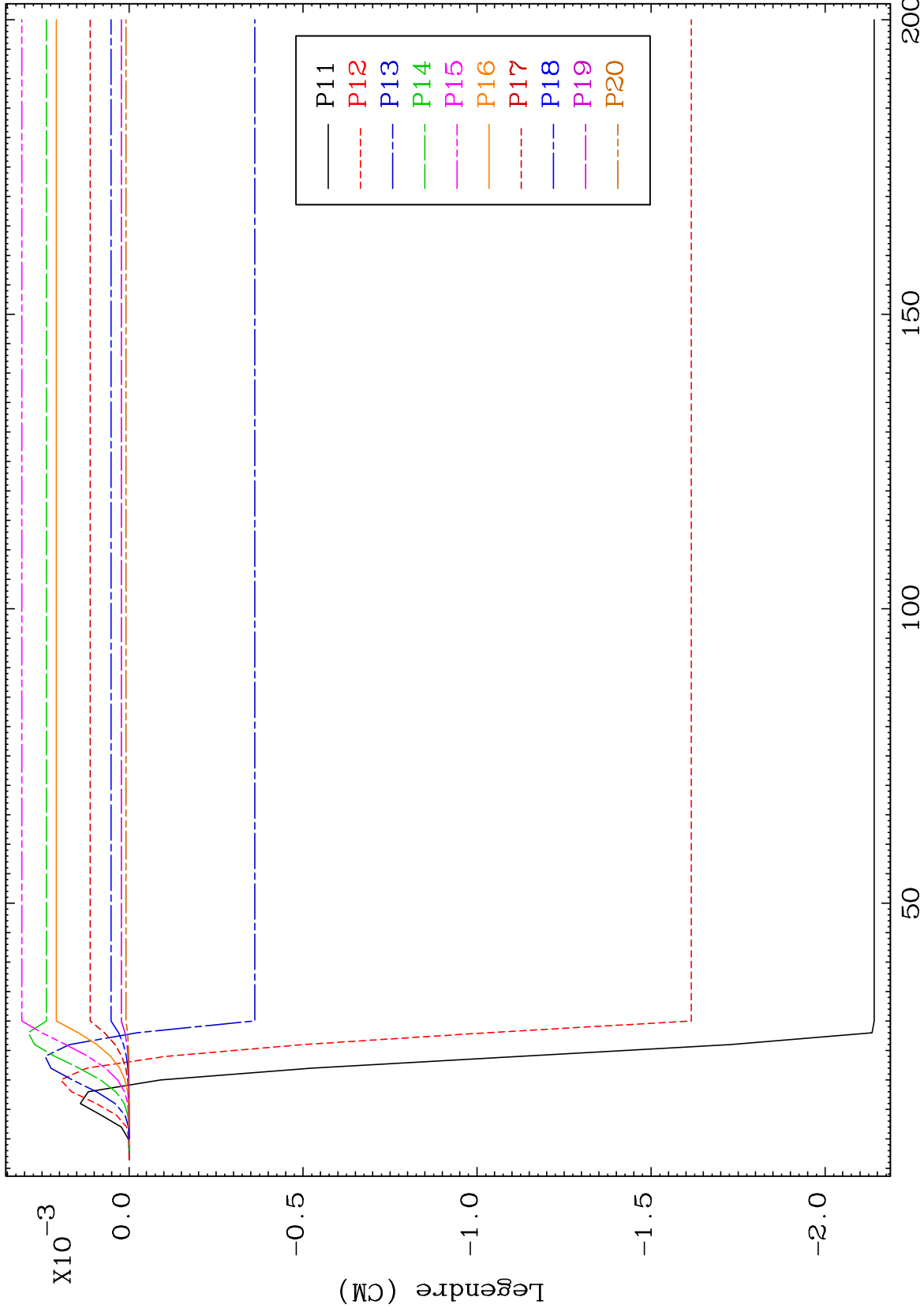
Incident Energy (MeV)

18-Ar-38

MAT 1831

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

18-Ar-38



53

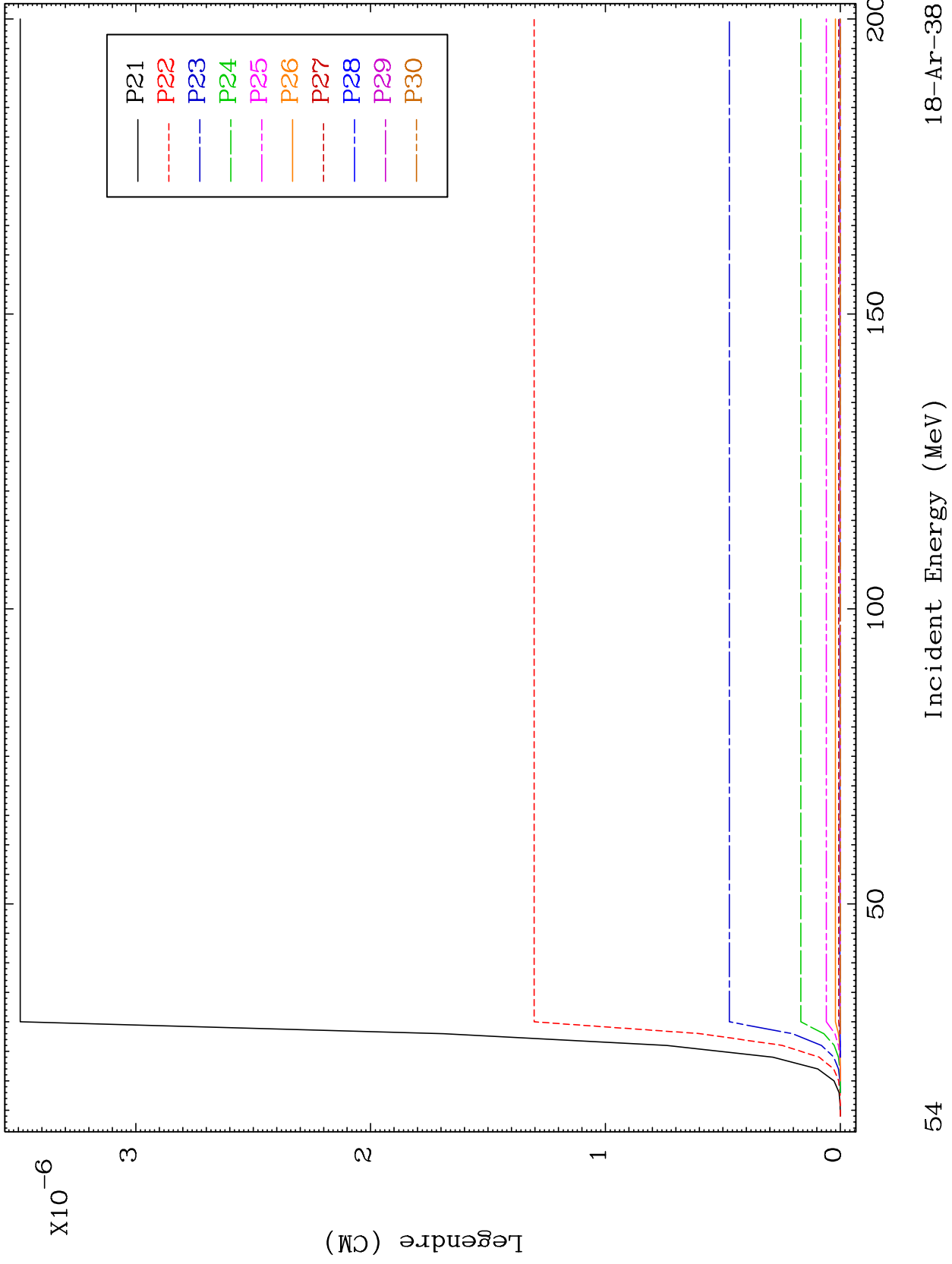
Incident Energy (MeV)

18-Ar-38

MAT 1831

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

18-Ar-38



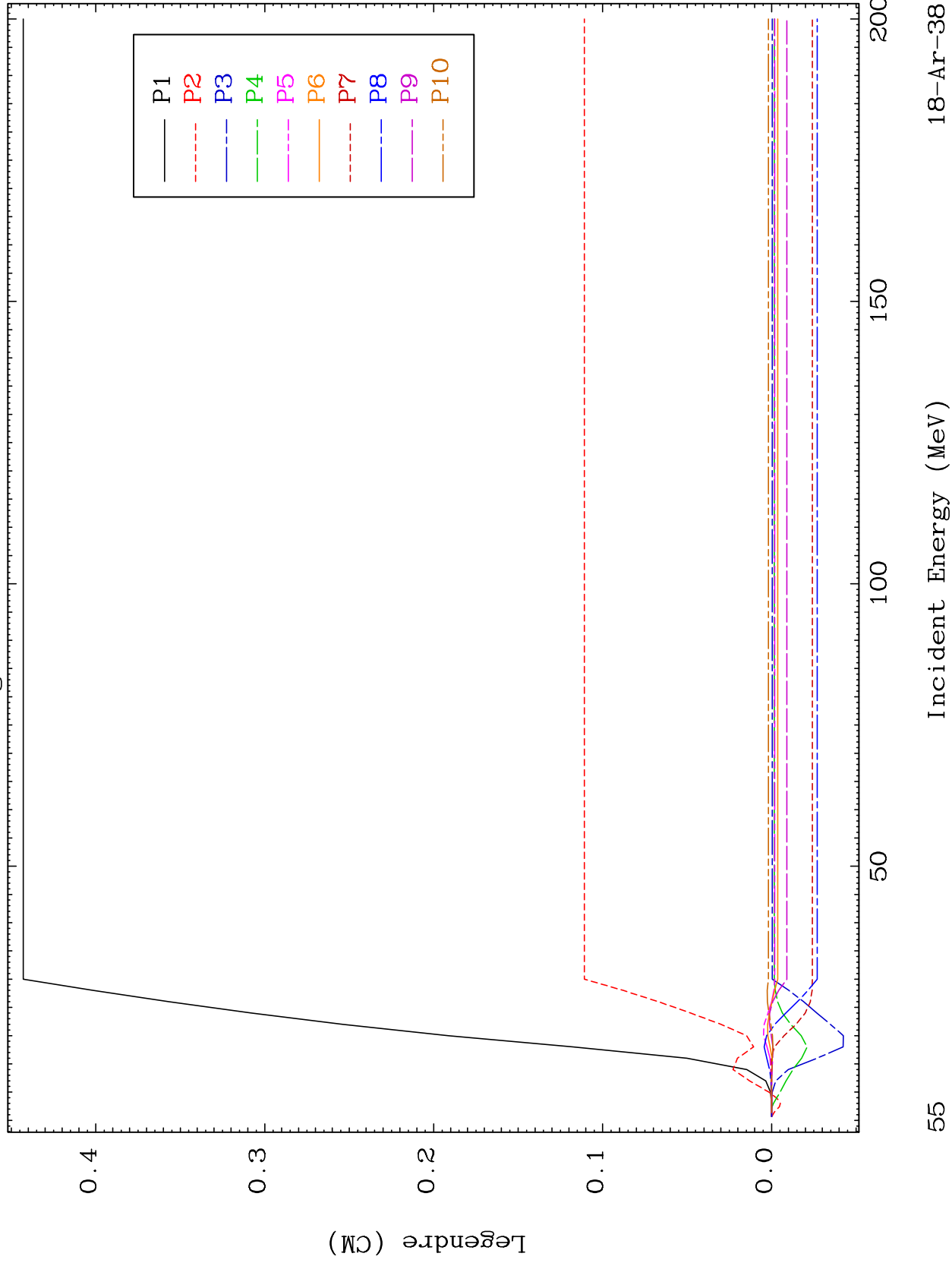
54

18-Ar-38

MAT 1831

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

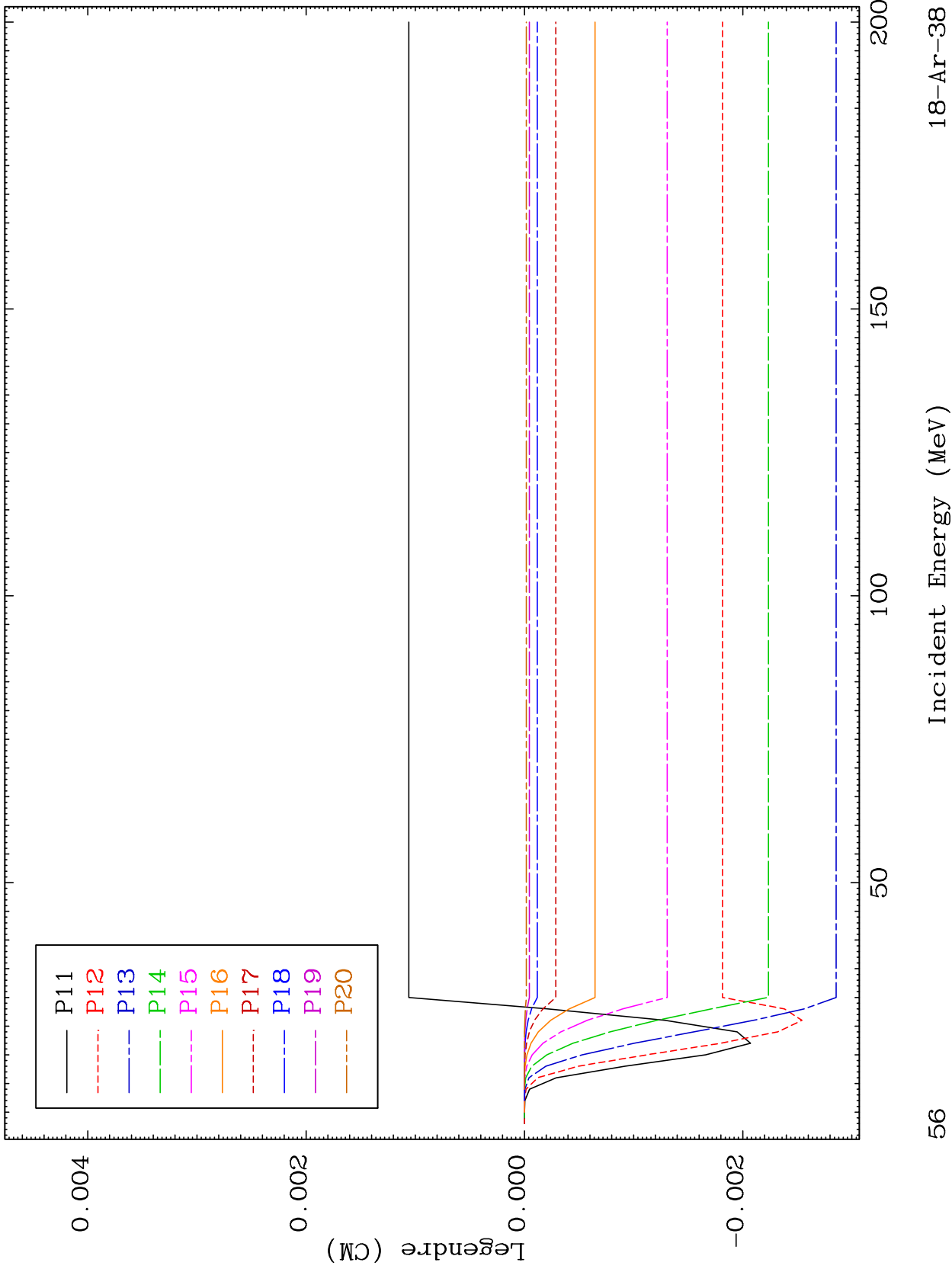
18-Ar-38



55

Incident Energy (MeV)

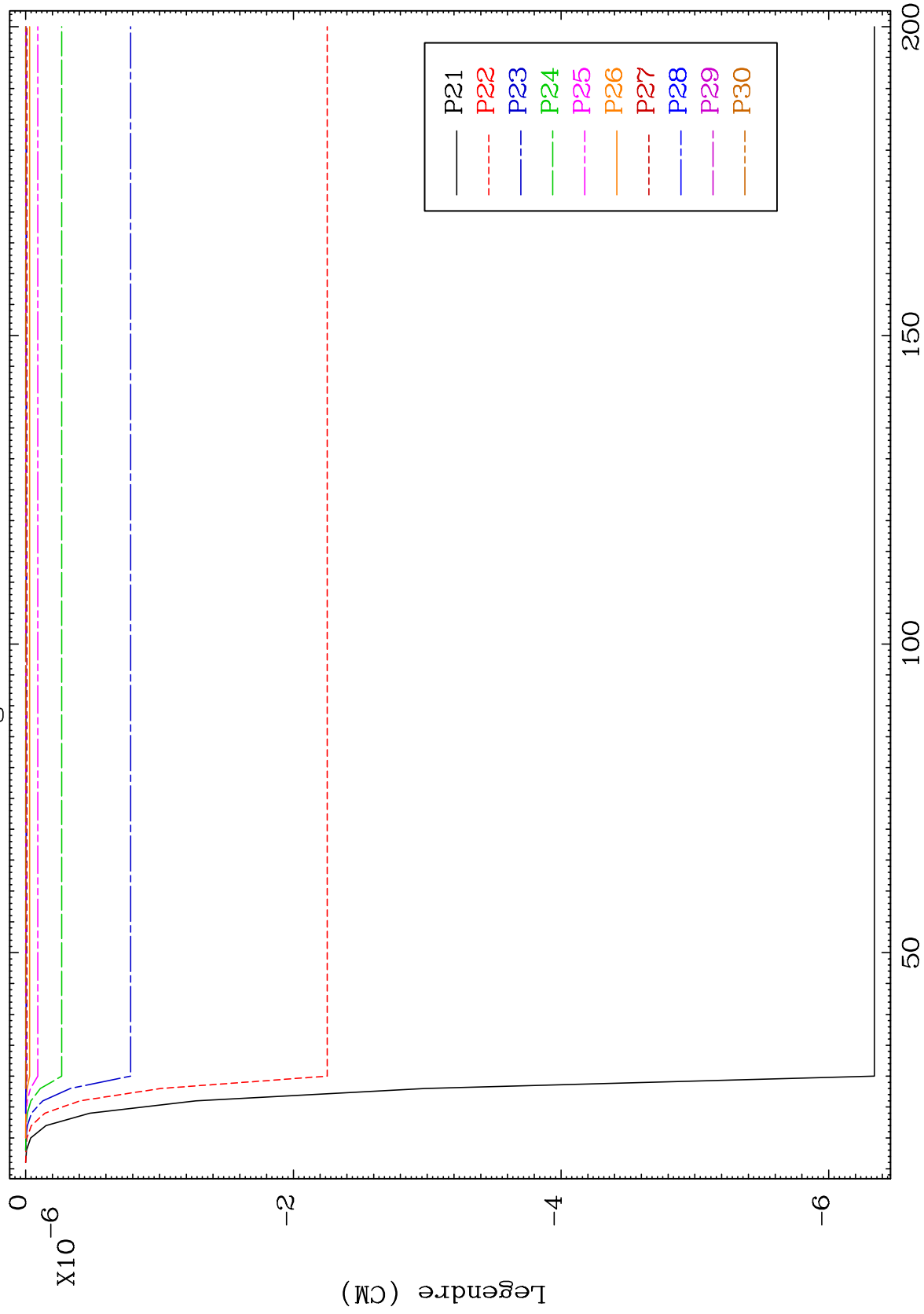
18-Ar-38



MAT 1831

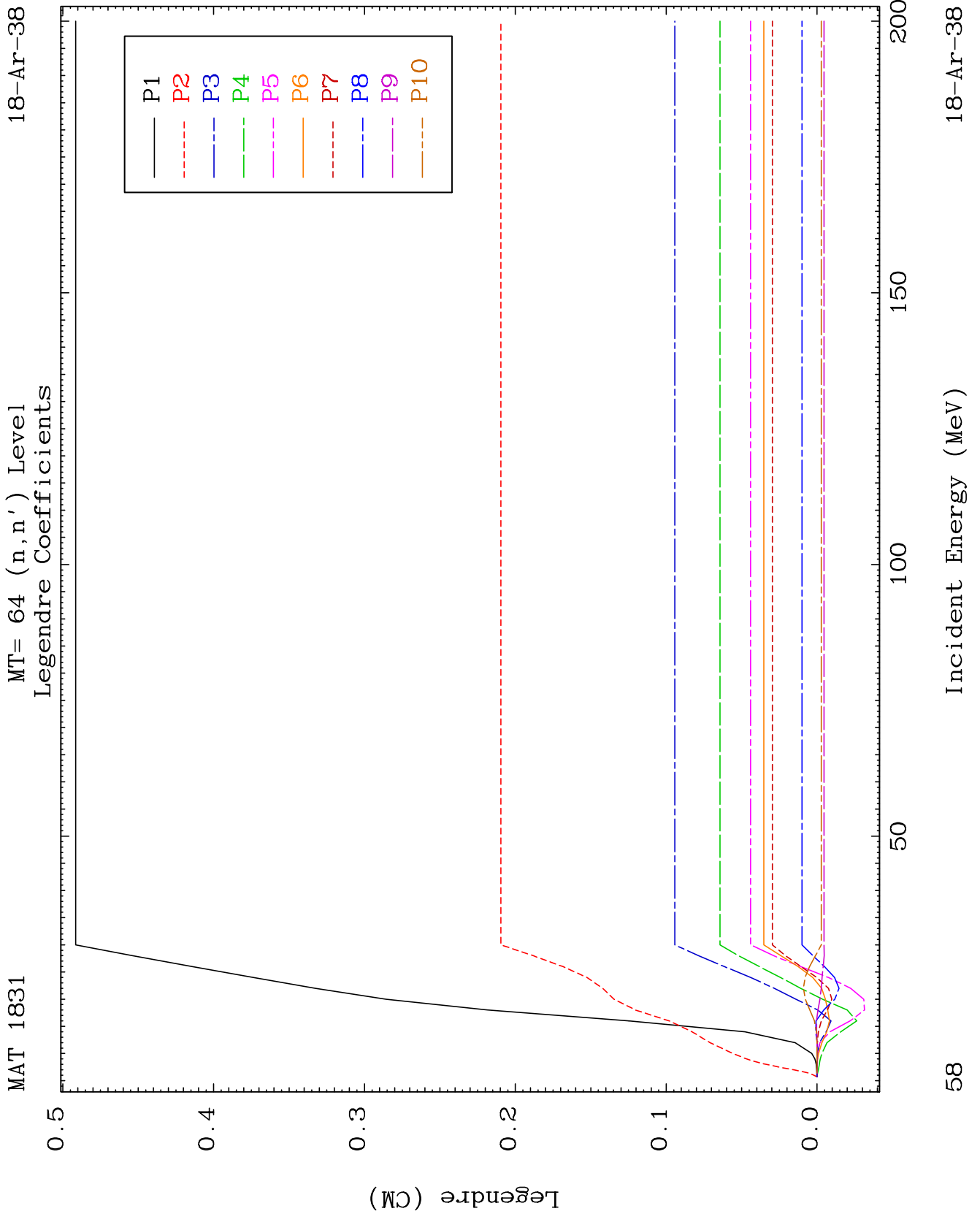
18-Ar-38

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



57

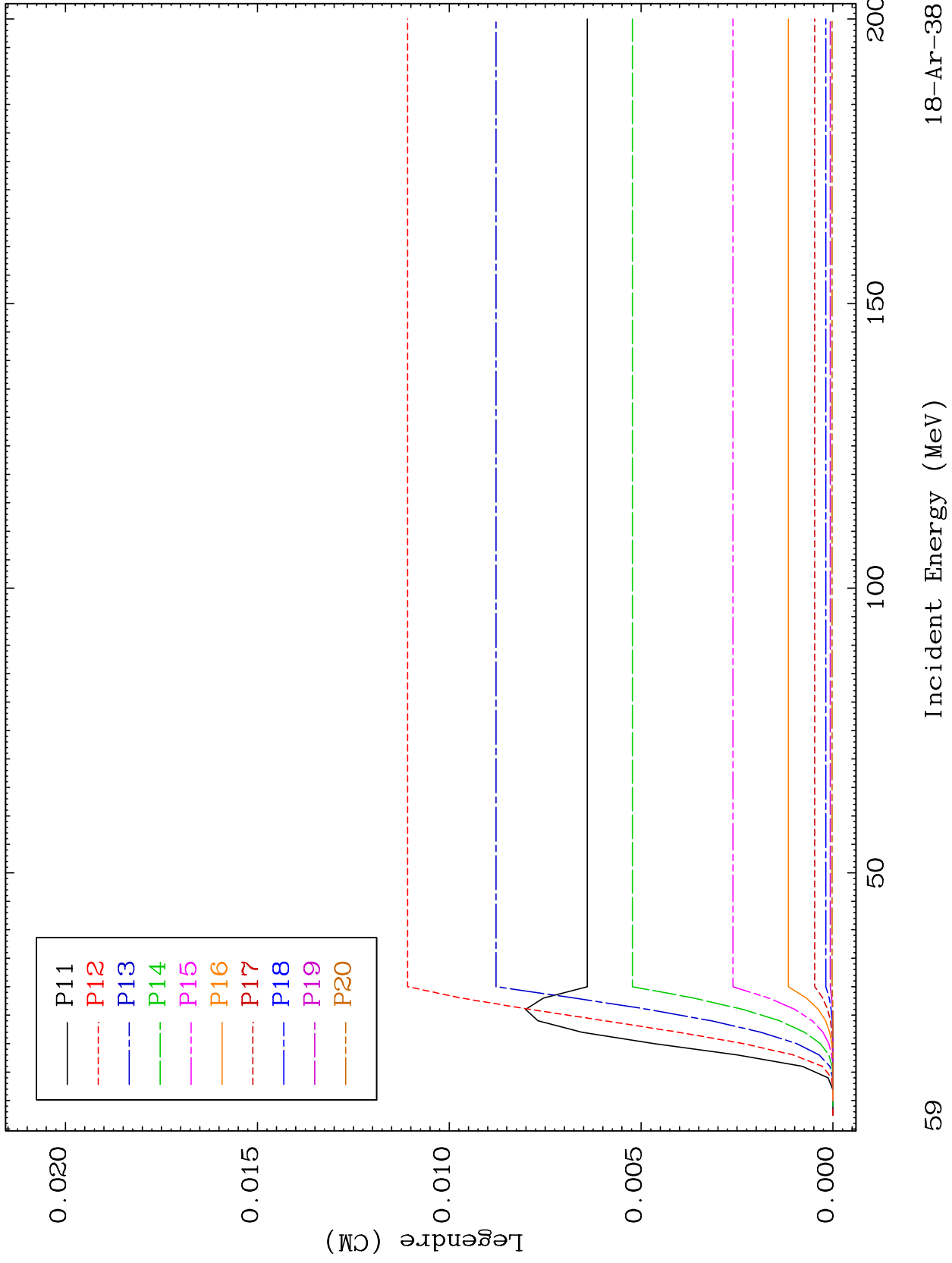
18-Ar-38



MAT 1831

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

18-Ar-38



59

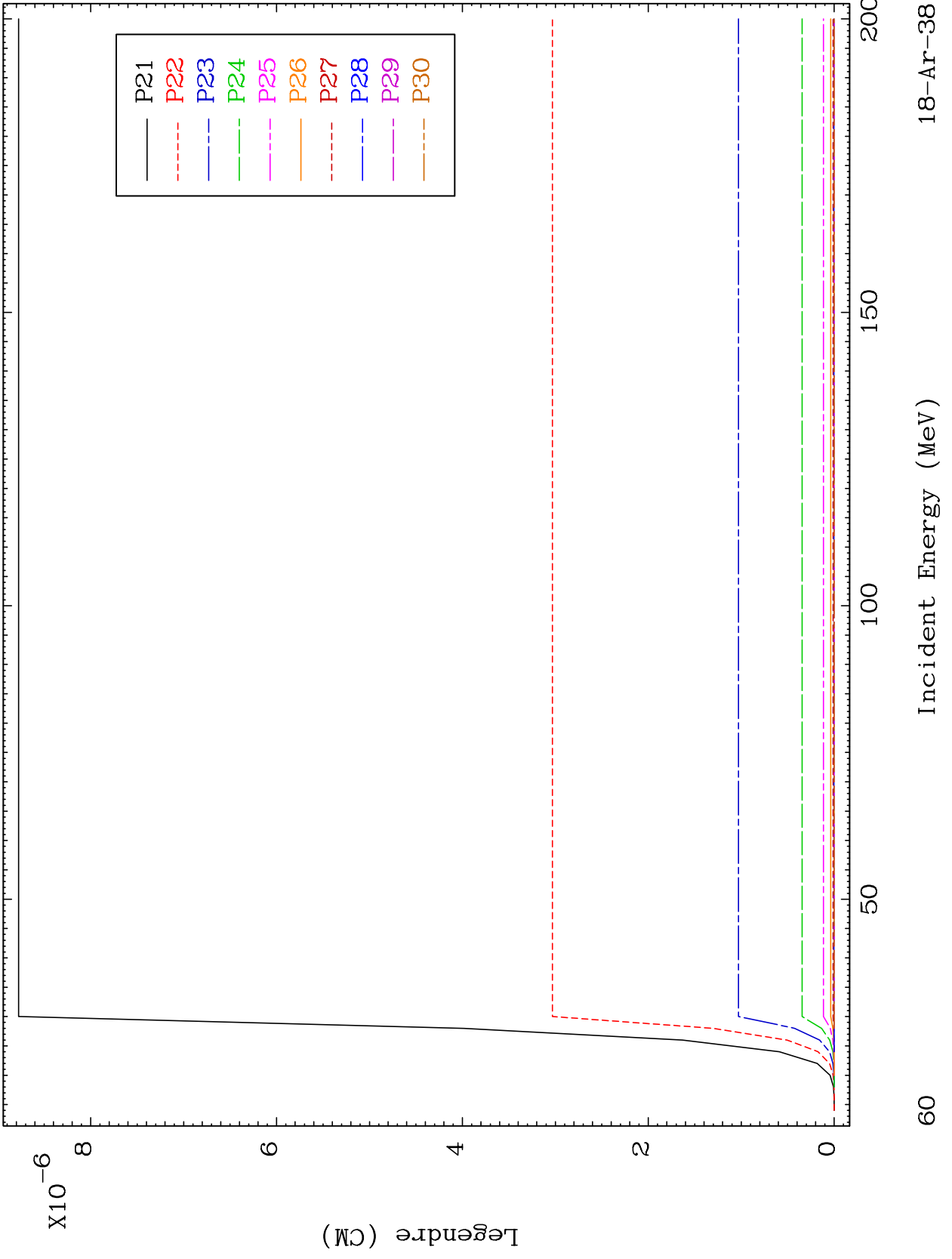
Incident Energy (MeV)

18-Ar-38

MAT 1831

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

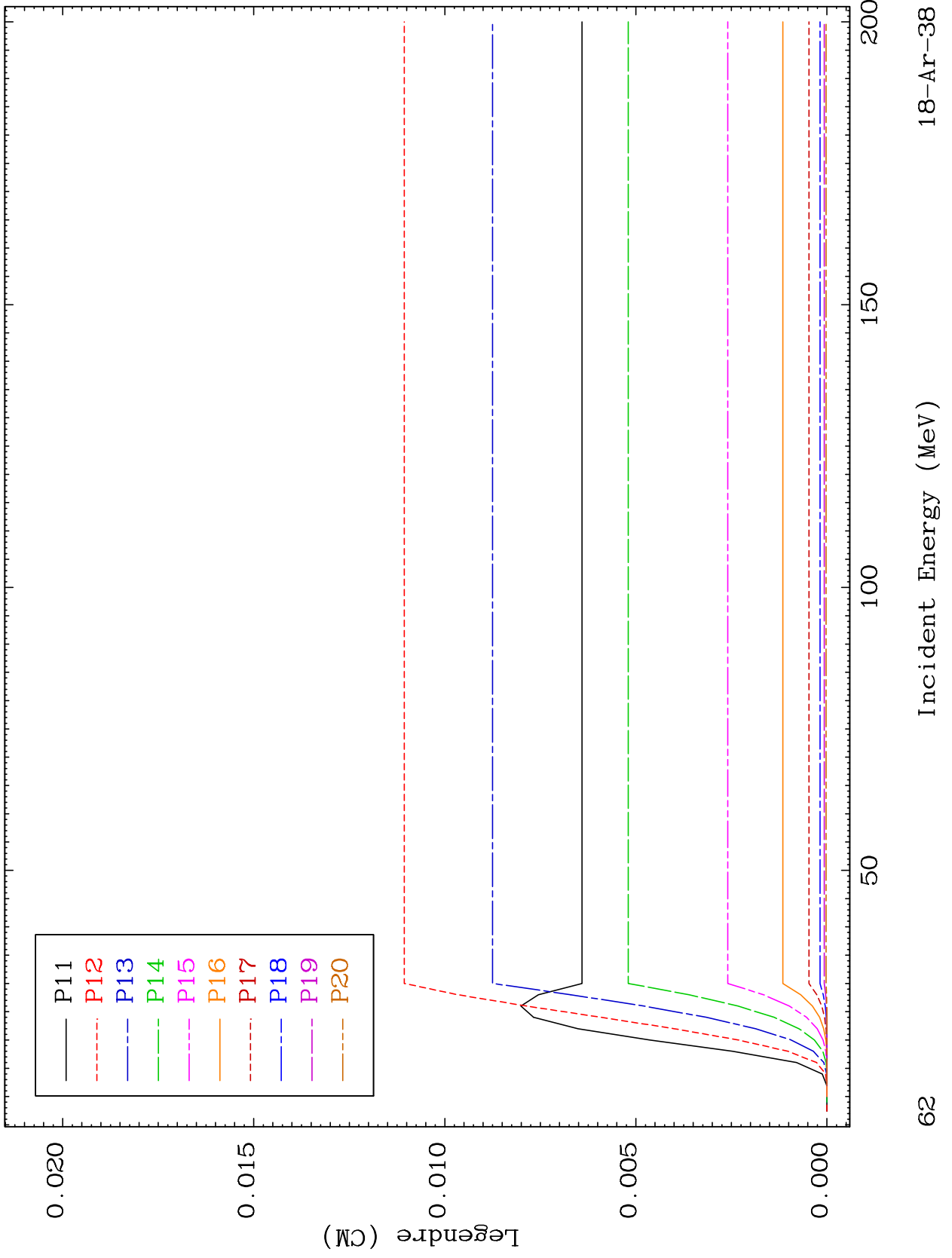
18-Ar-38



MAT 1831

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

18-Ar-38



62

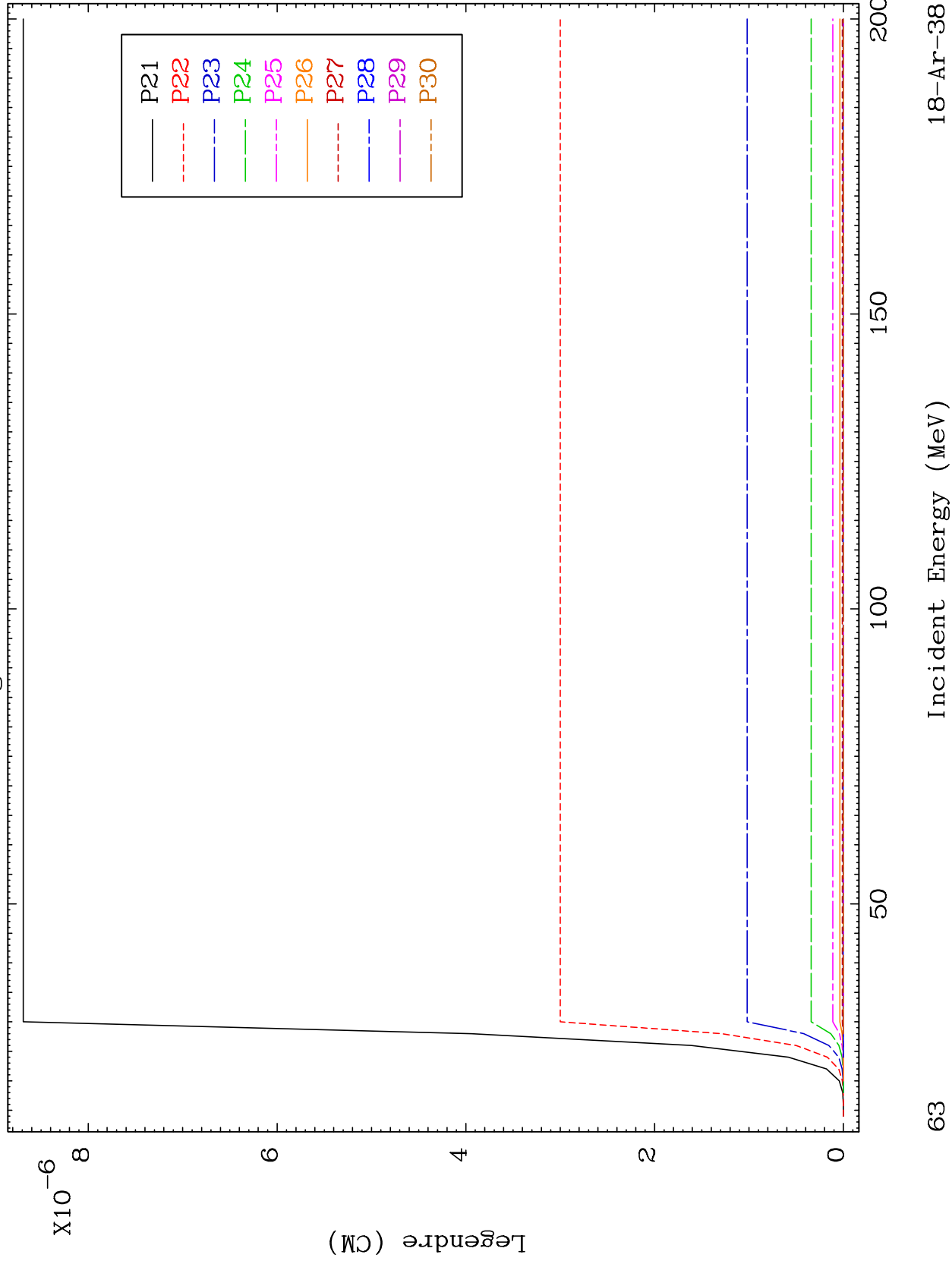
Incident Energy (MeV)

18-Ar-38

MAT 1831

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

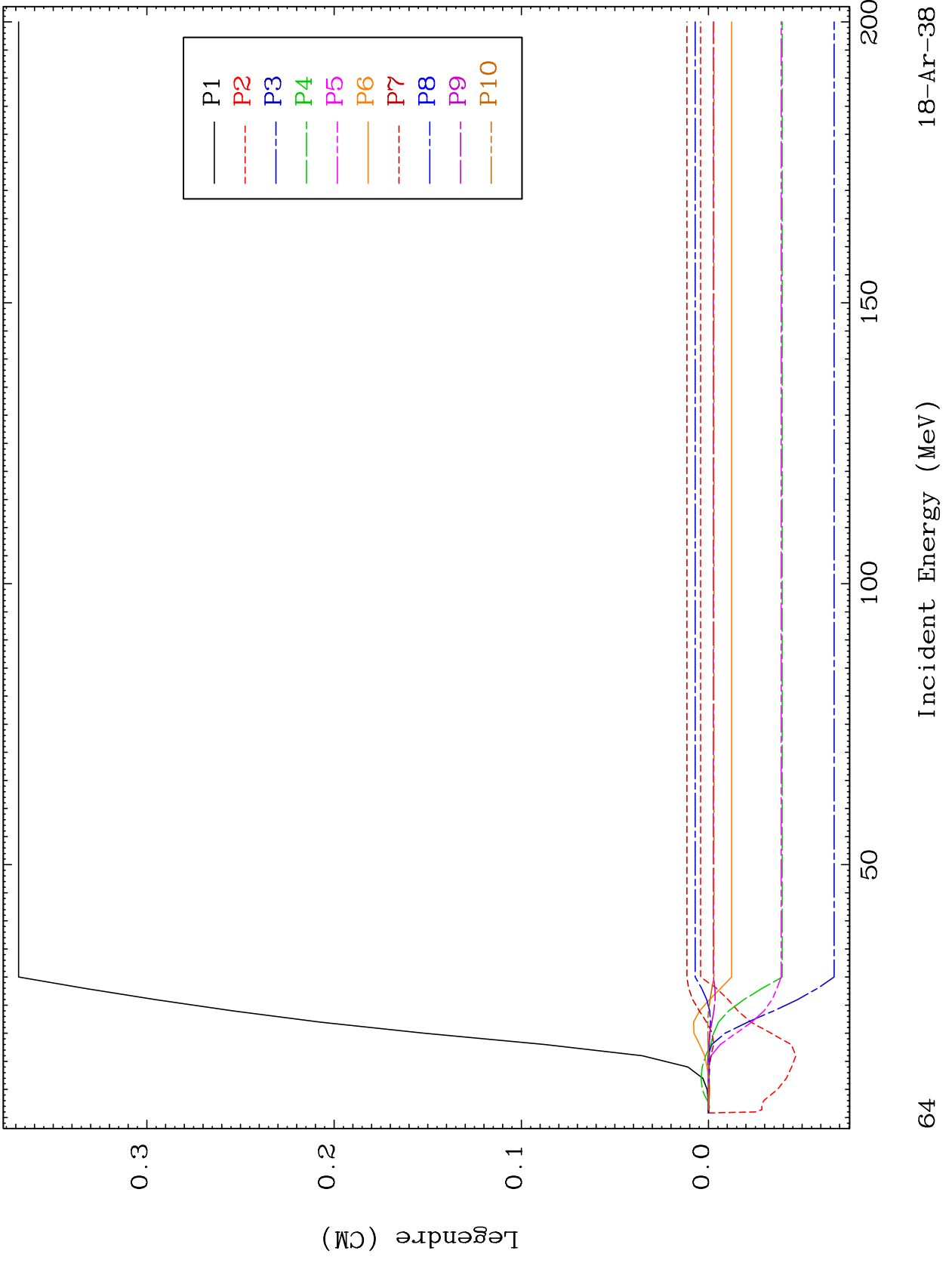
18-Ar-38



MAT 1831

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

18-Ar-38



64

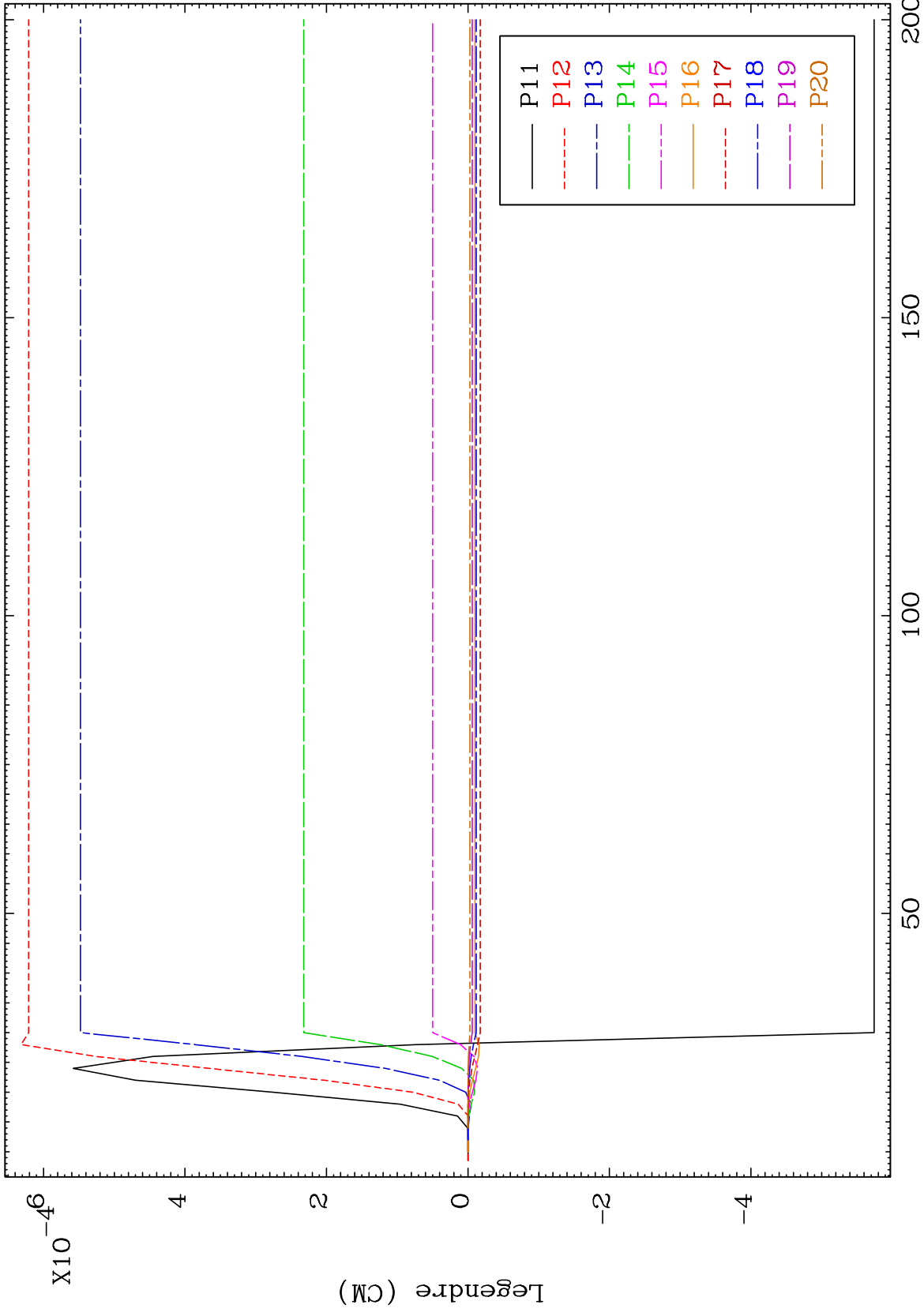
Incident Energy (MeV)

18-Ar-38

MAT 1831

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

18-Ar-38



65

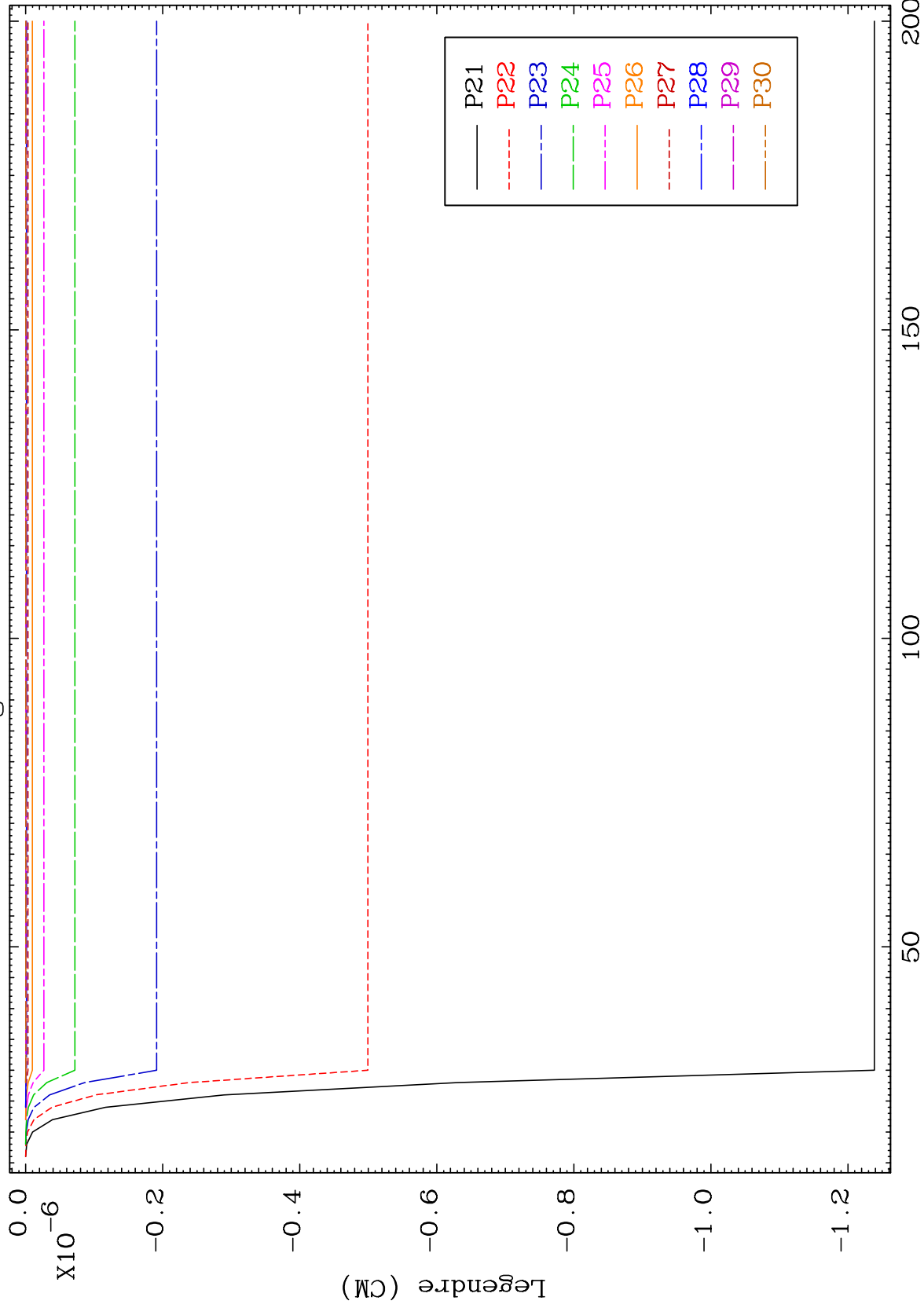
18-Ar-38

MAT 1831

MT= 66 (n,n') Level

18-Ar-38

Legendre Coefficients



66

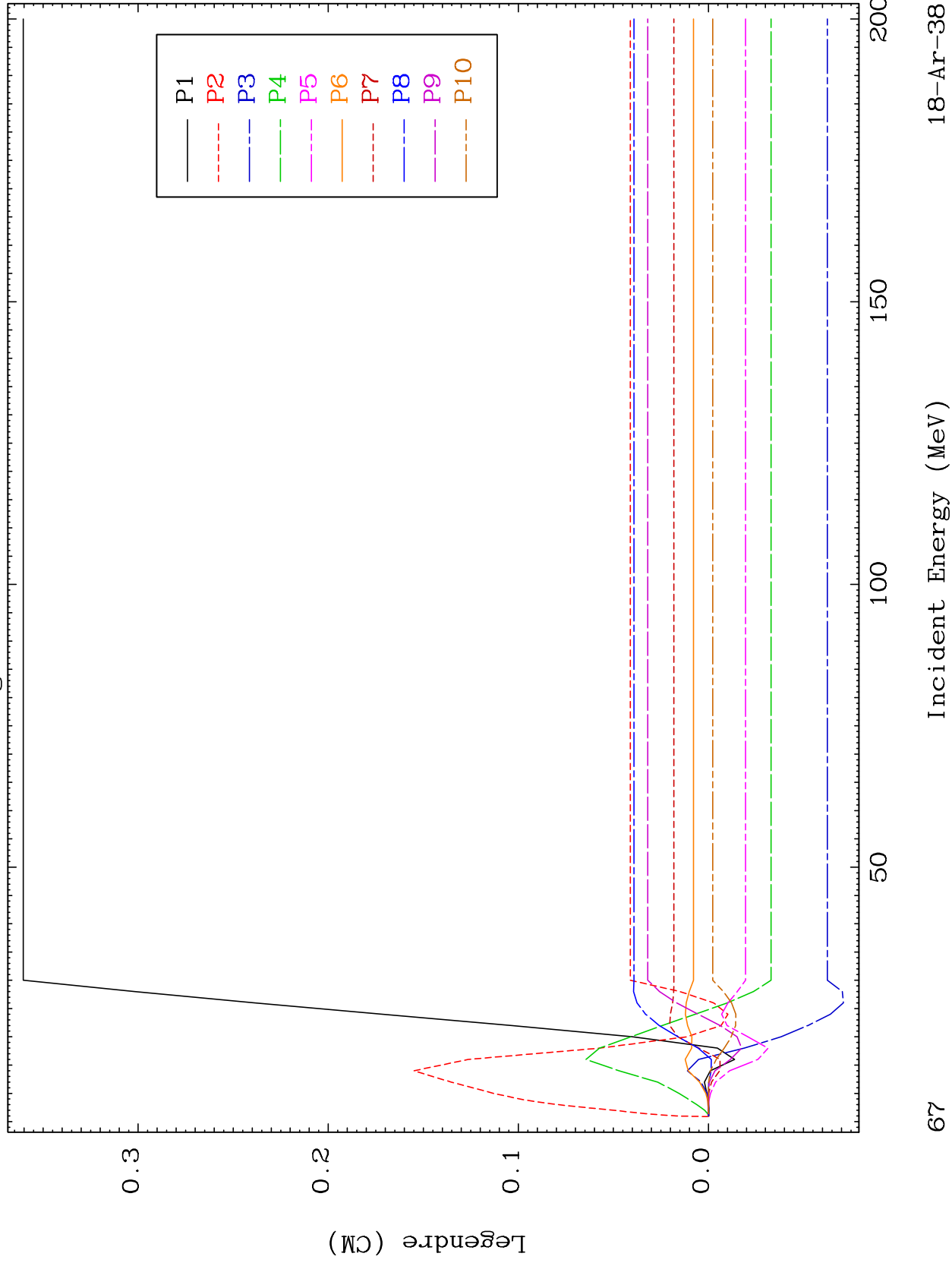
Incident Energy (MeV)

18-Ar-38

MAT 1831

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

18-Ar-38



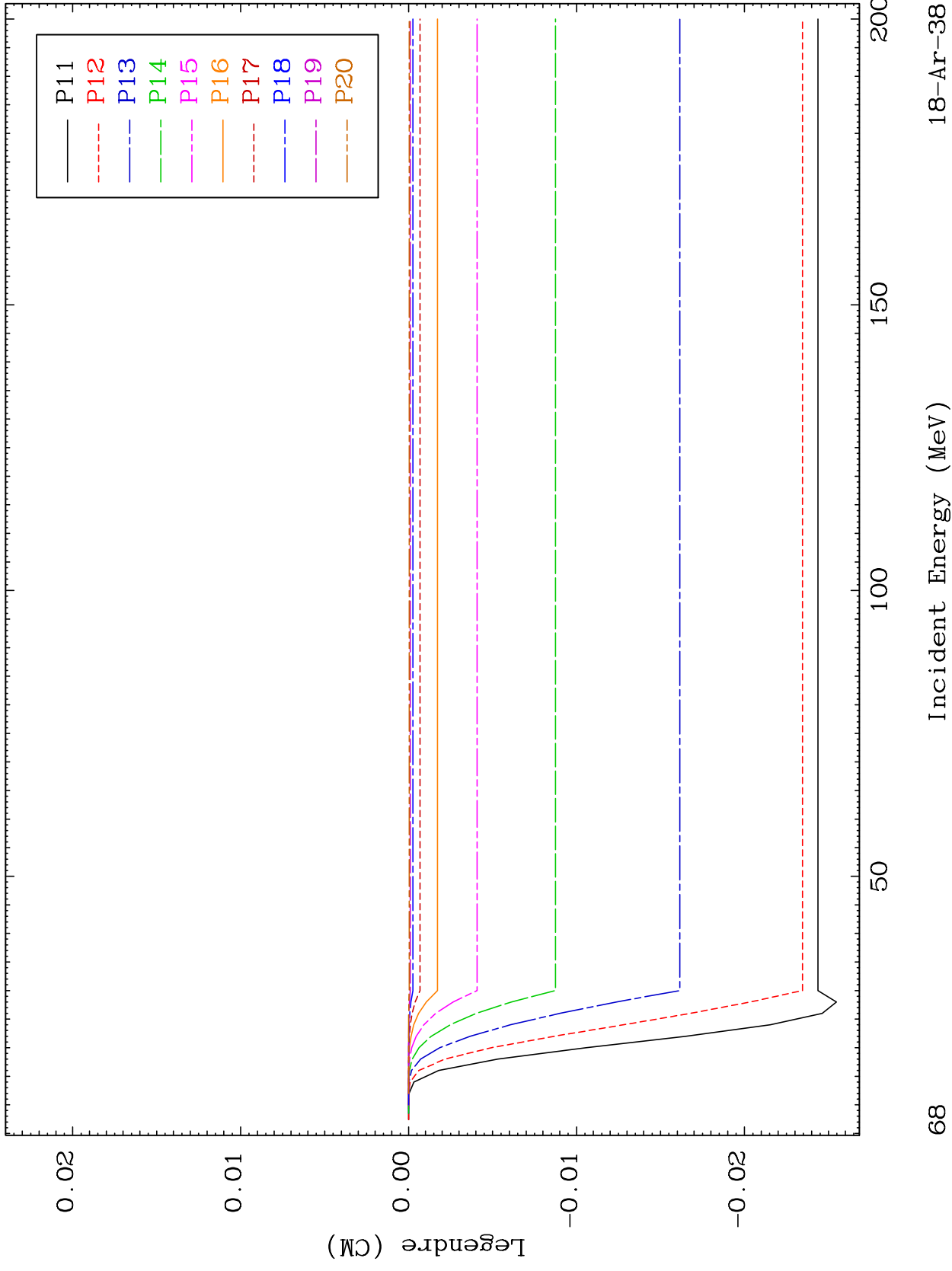
67

18-Ar-38

MAT 1831

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

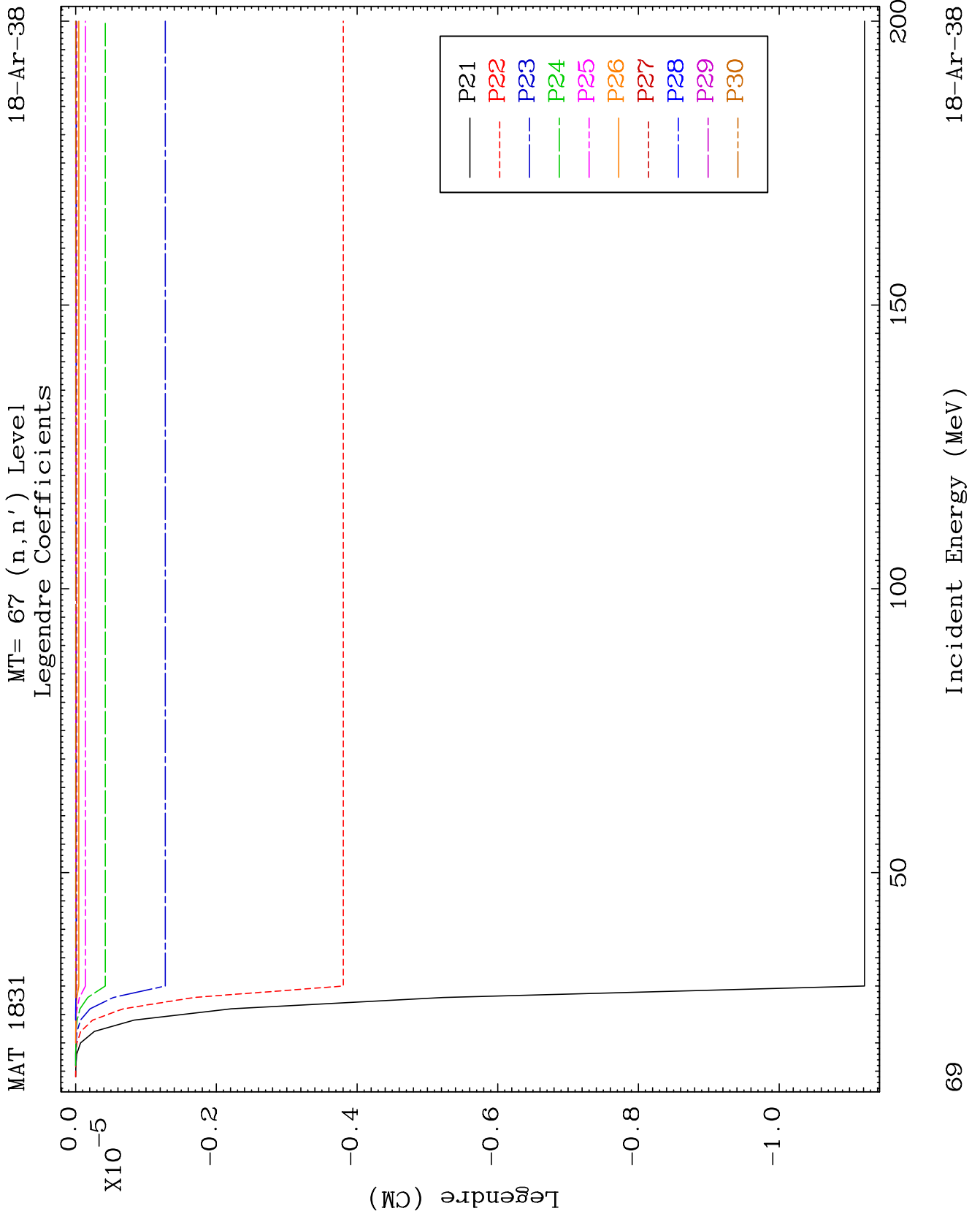
18-Ar-38



68

Incident Energy (MeV)

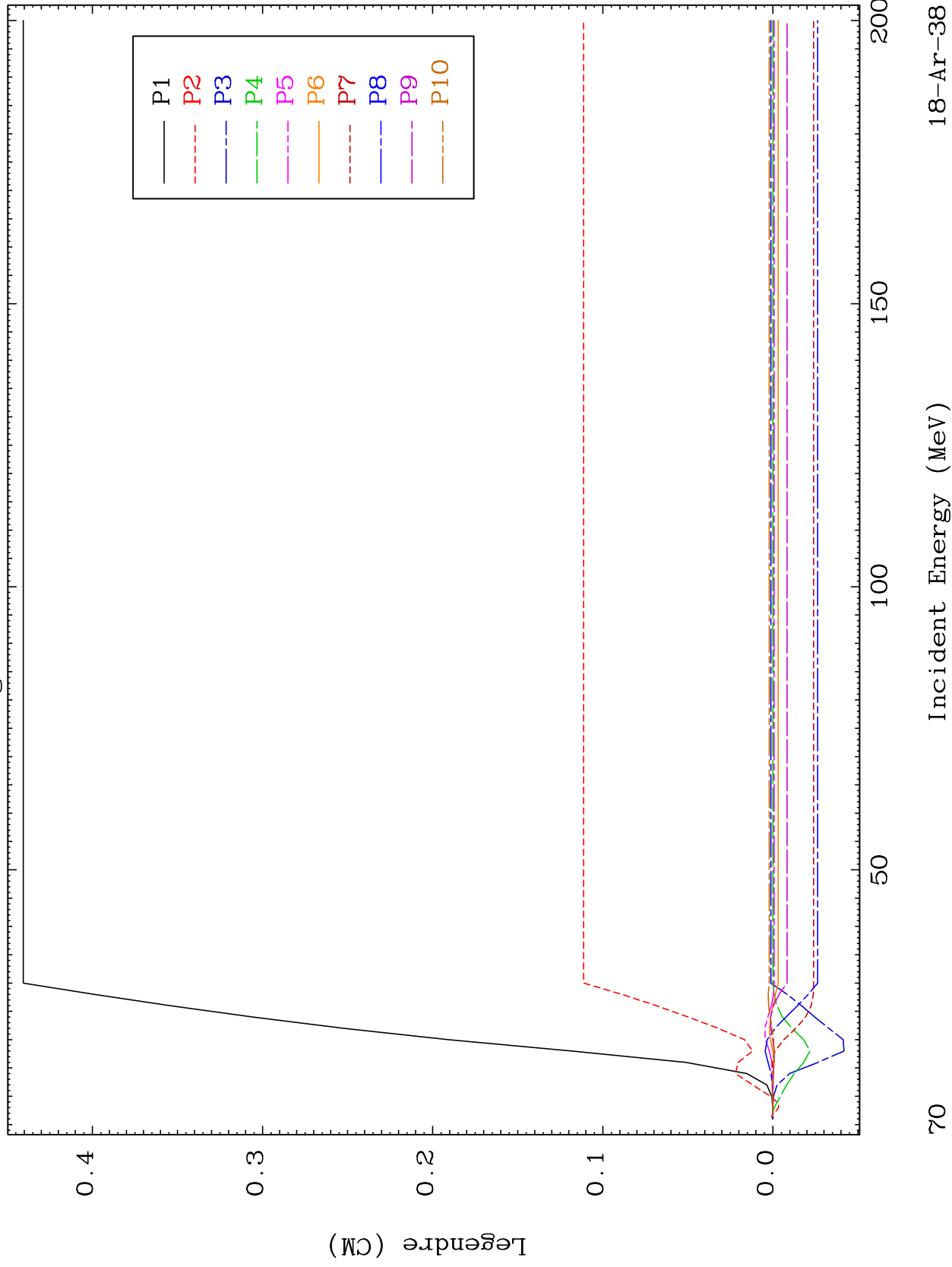
18-Ar-38



MAT 1831

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

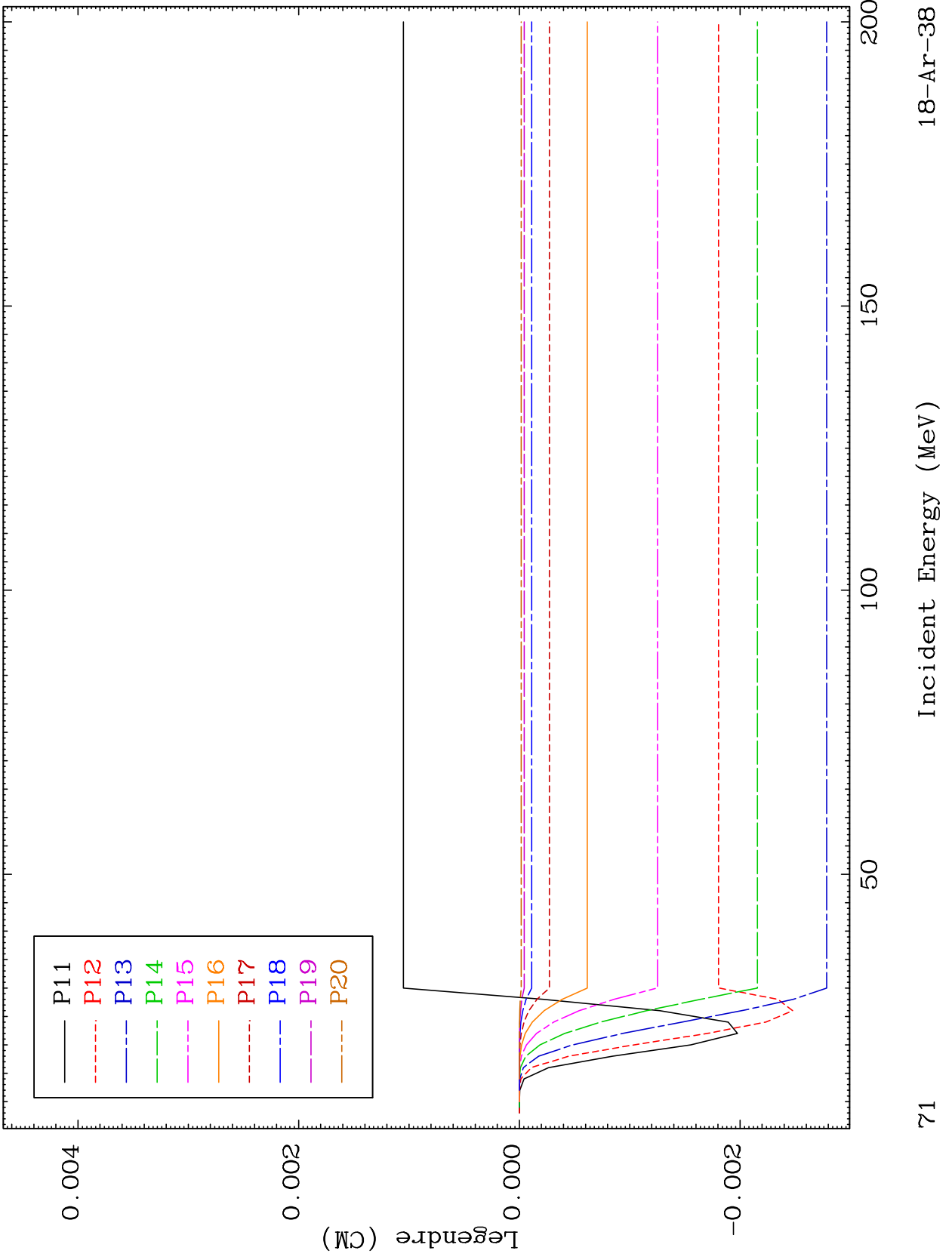
18-Ar-38

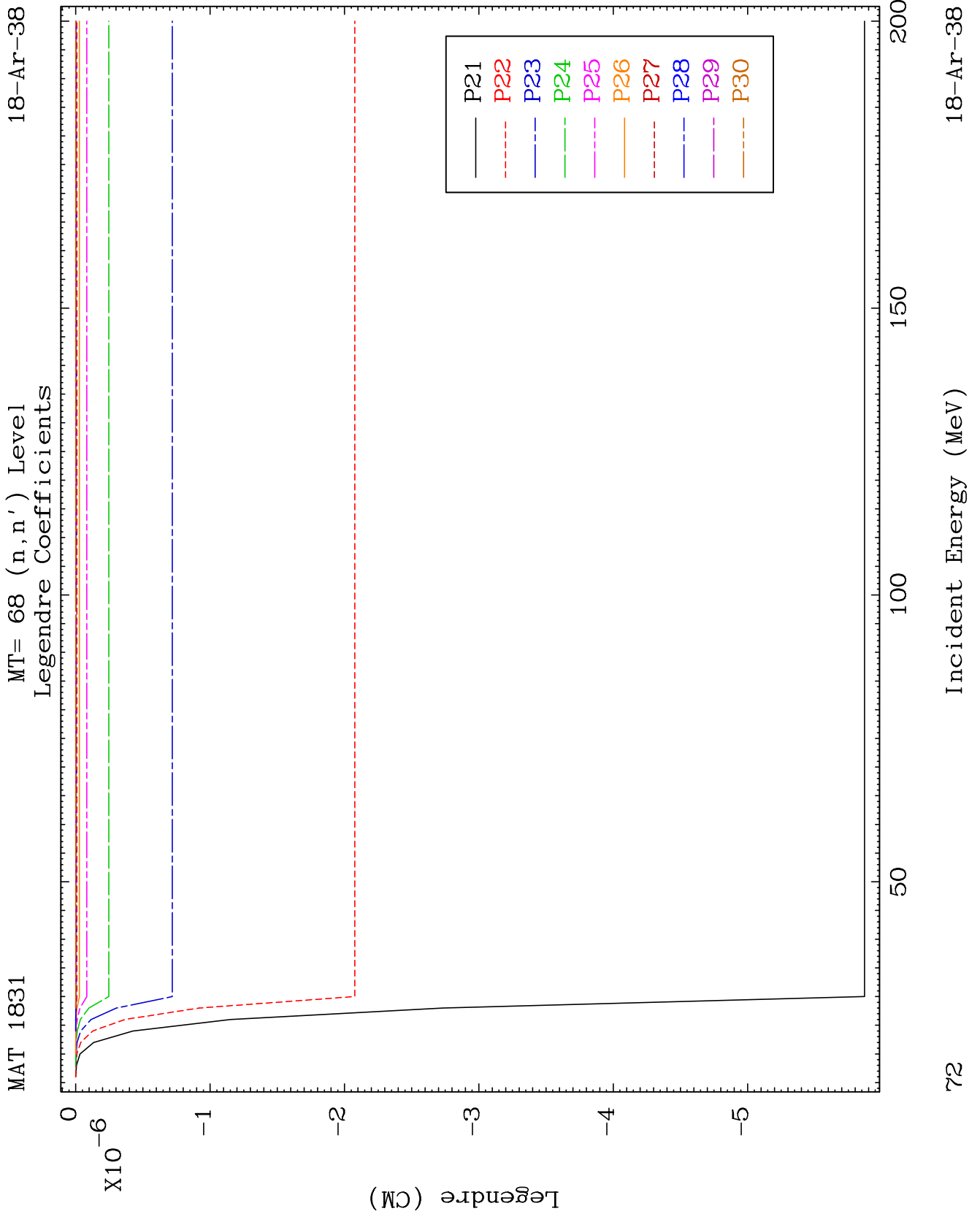


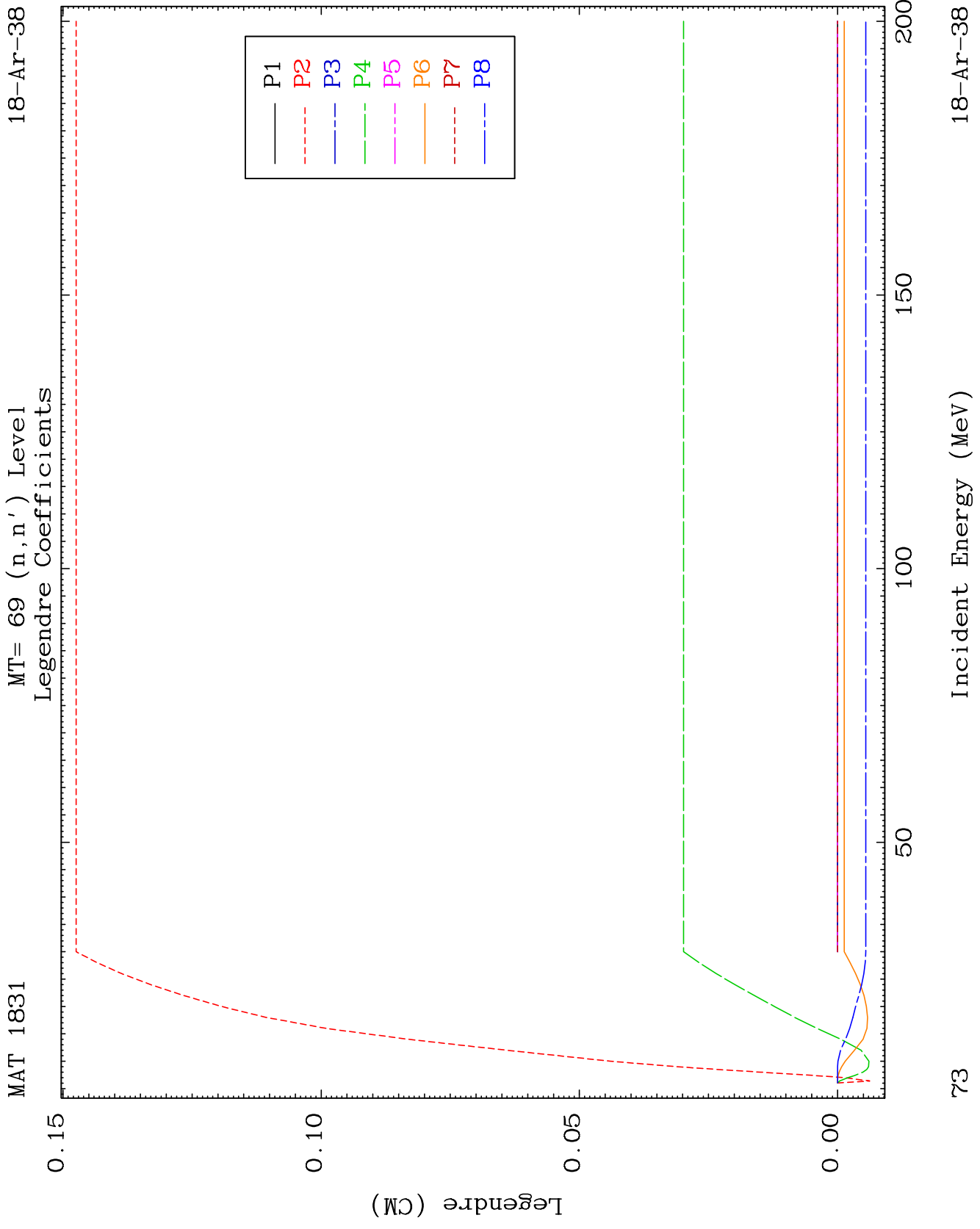
70

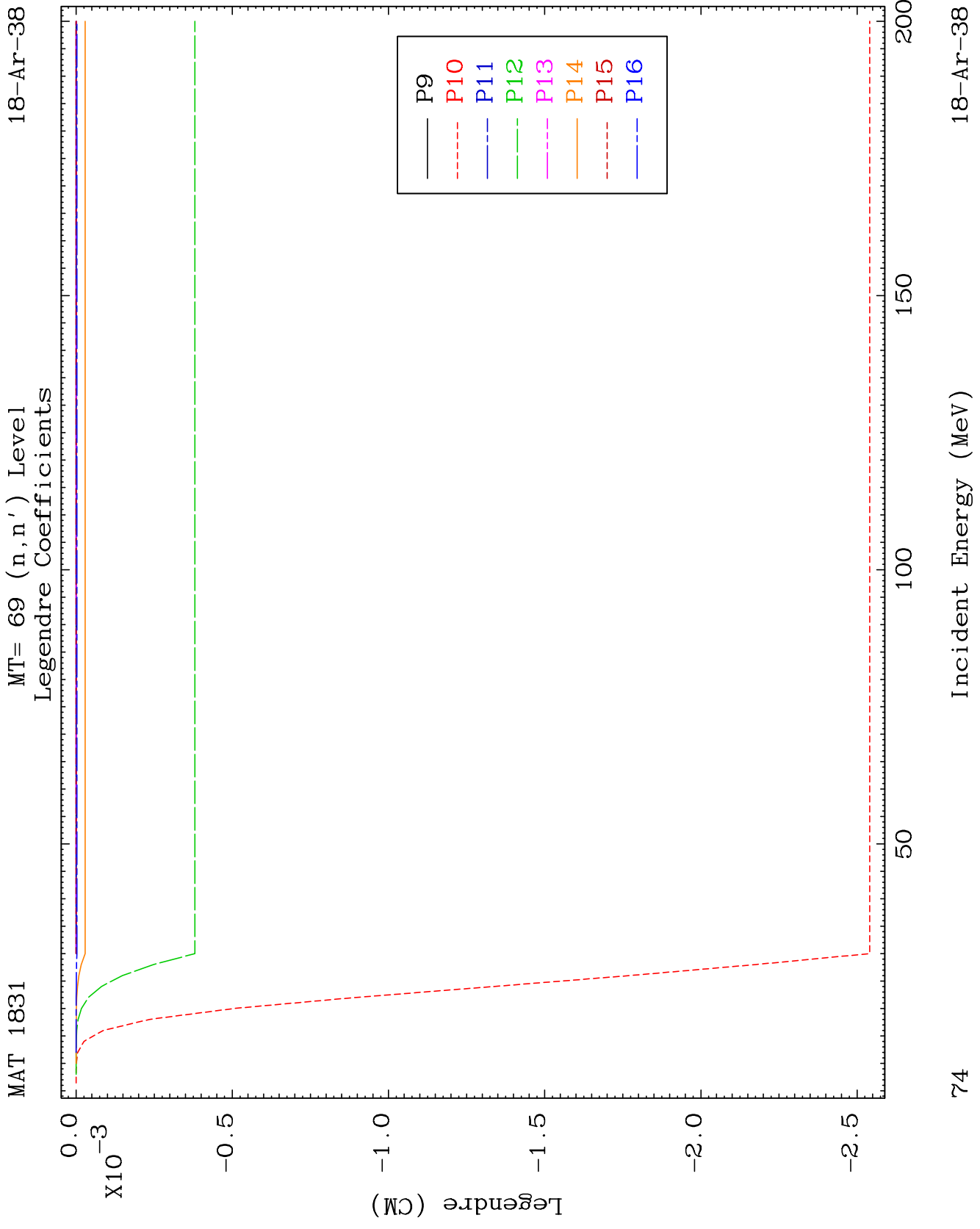
Incident Energy (MeV)

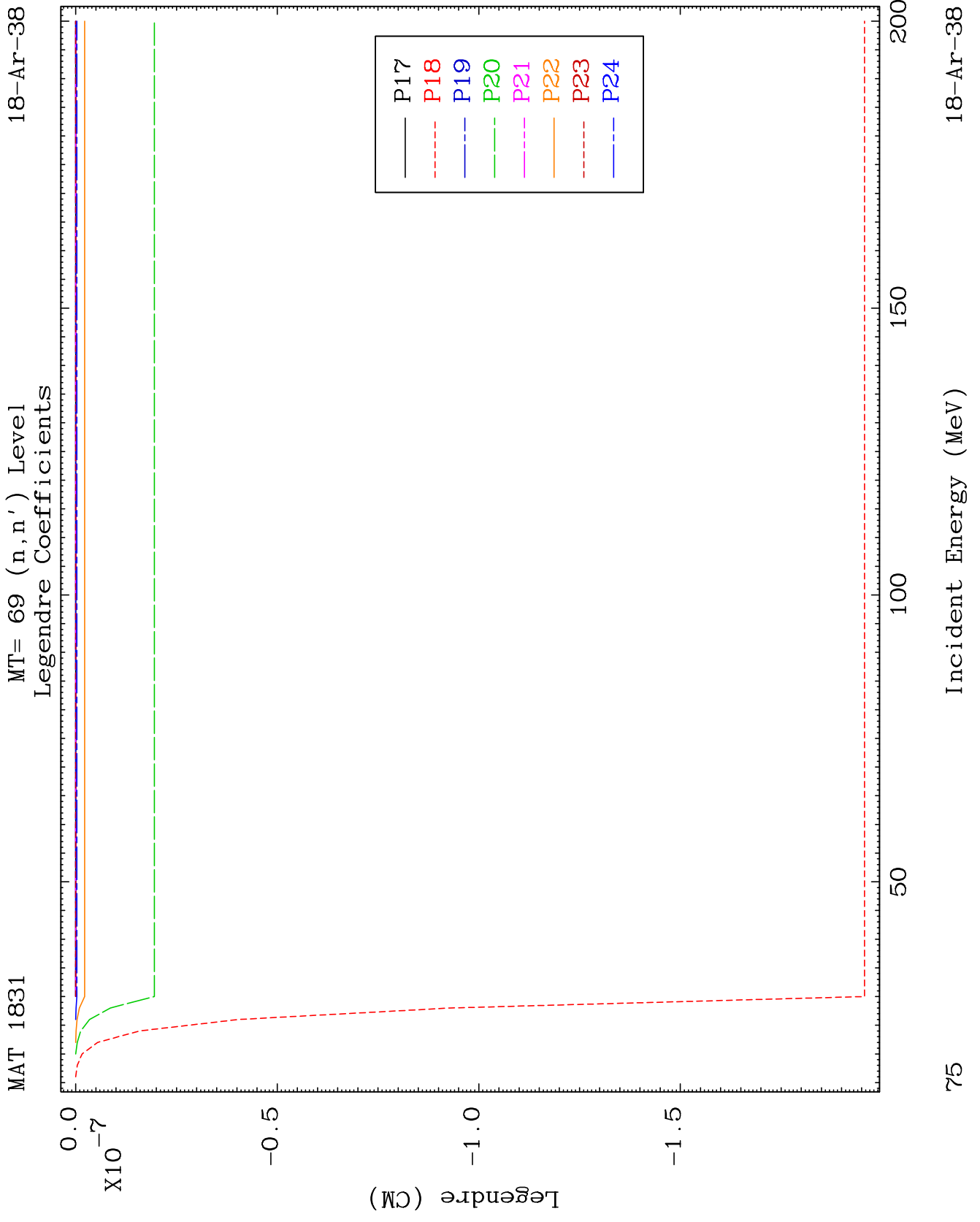
18-Ar-38







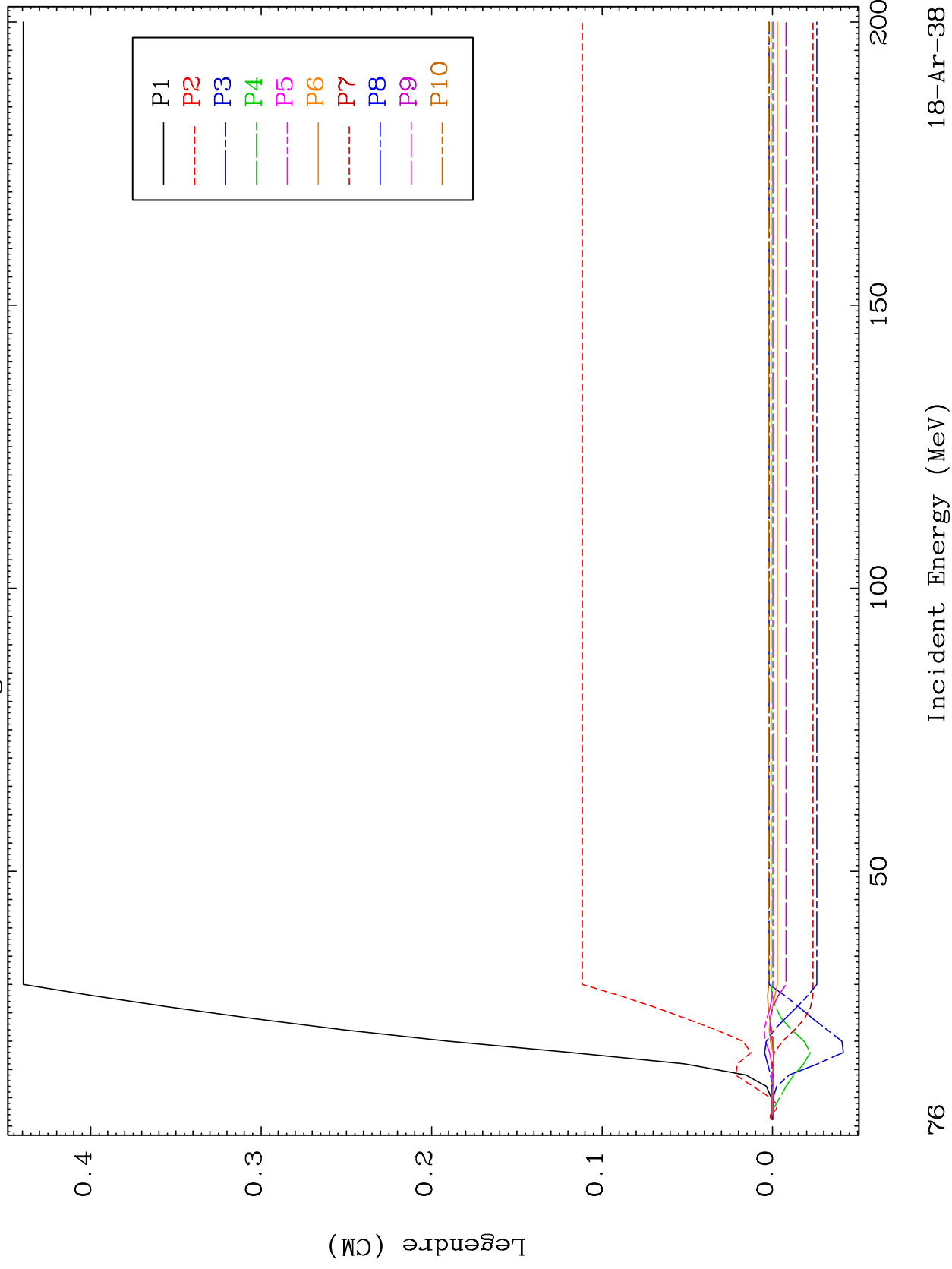




MAT 1831

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

18-Ar-38



76

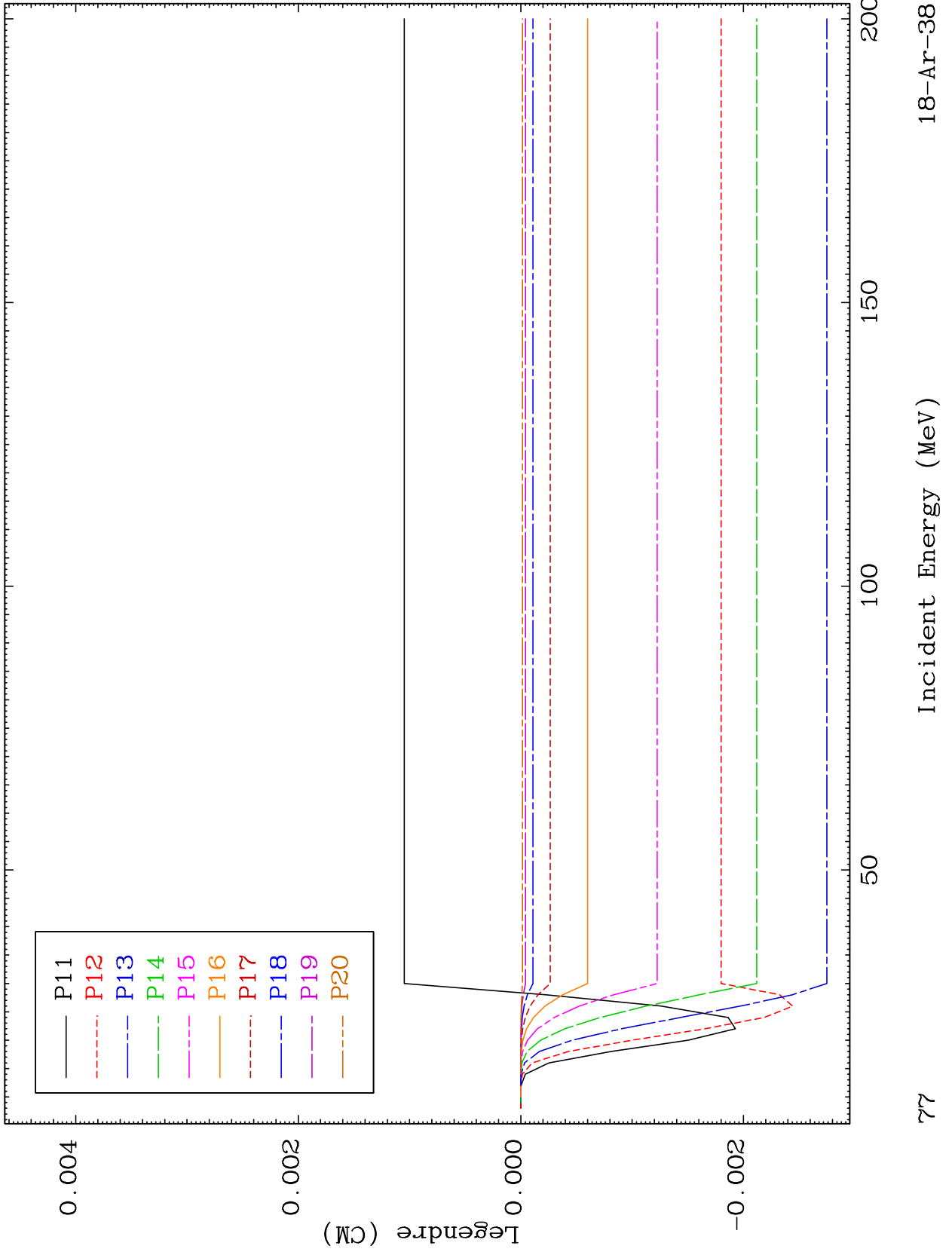
Incident Energy (MeV)

18-Ar-38

MAT 1831

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

18-Ar-38



77

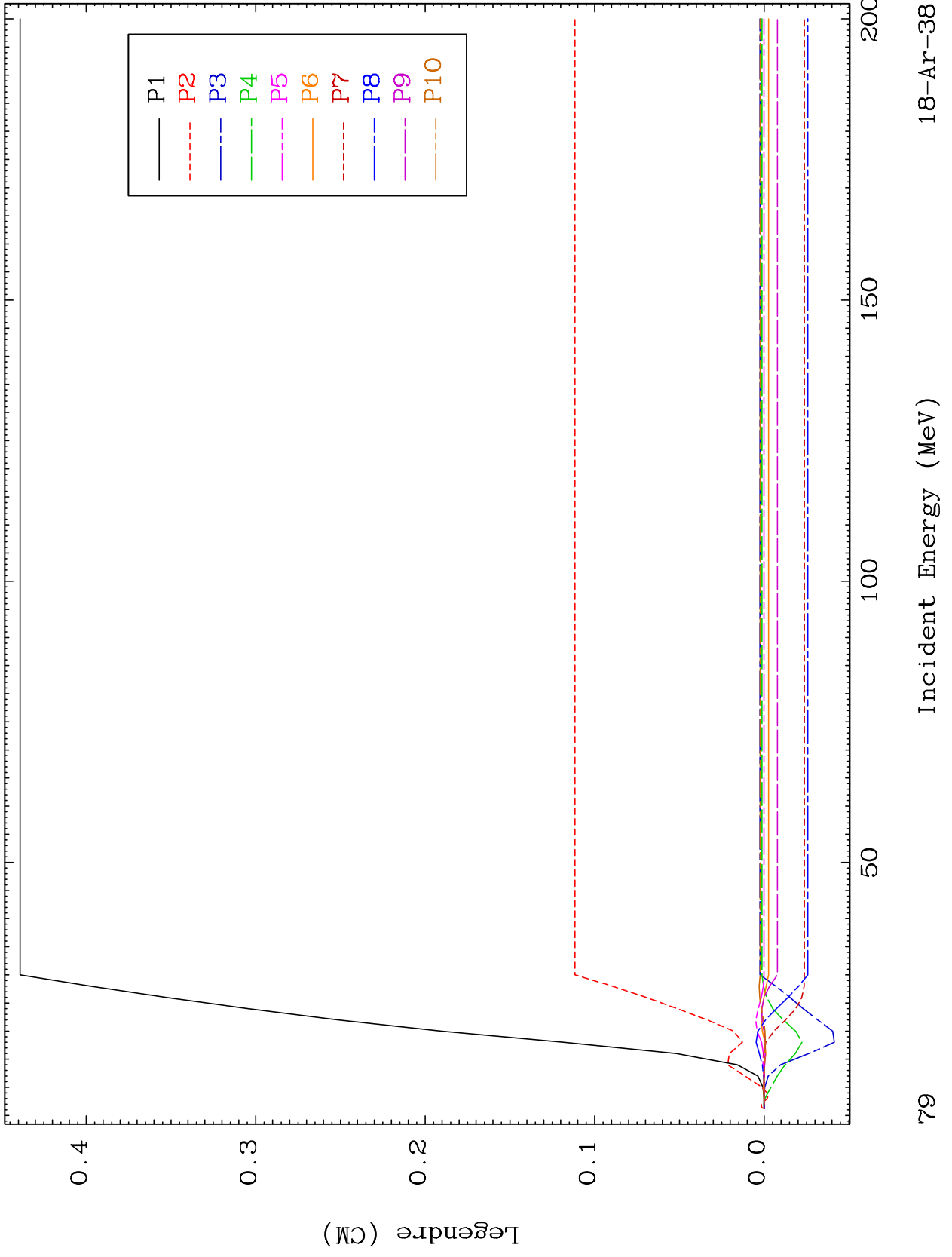
Incident Energy (MeV)

18-Ar-38

MAT 1831

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

18-Ar-38



79

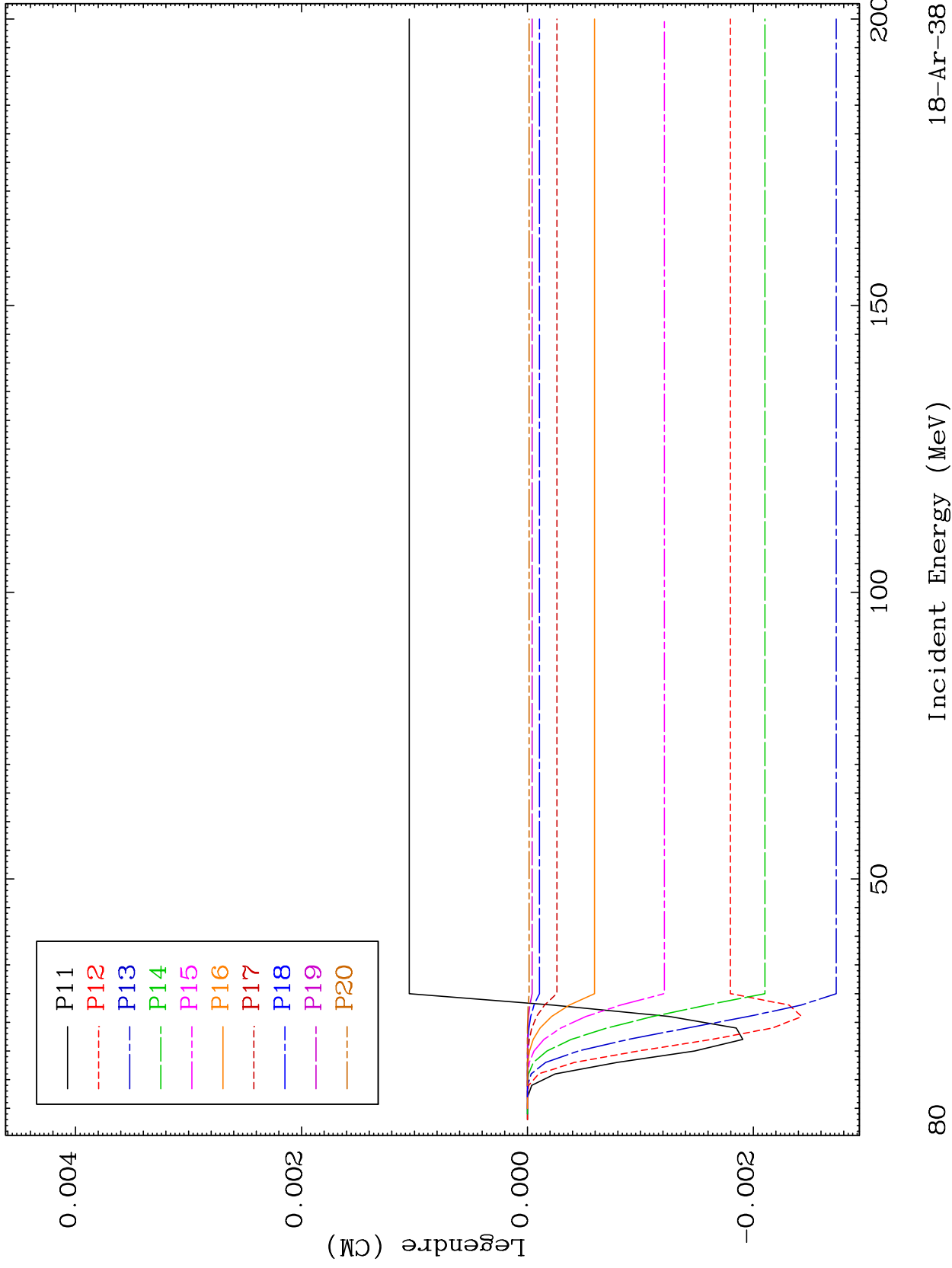
Incident Energy (MeV)

18-Ar-38

MAT 1831

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

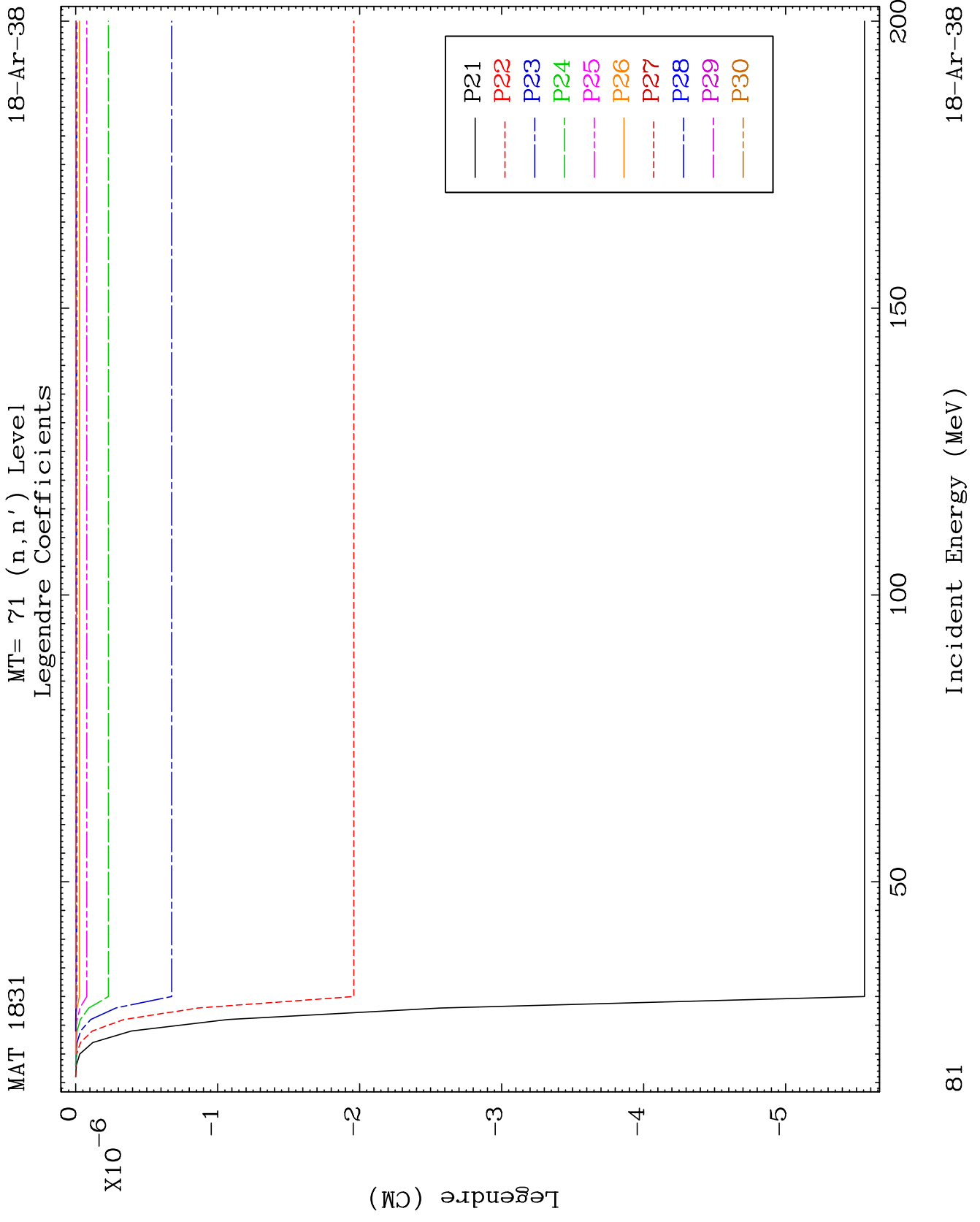
18-Ar-38



80

Incident Energy (MeV)

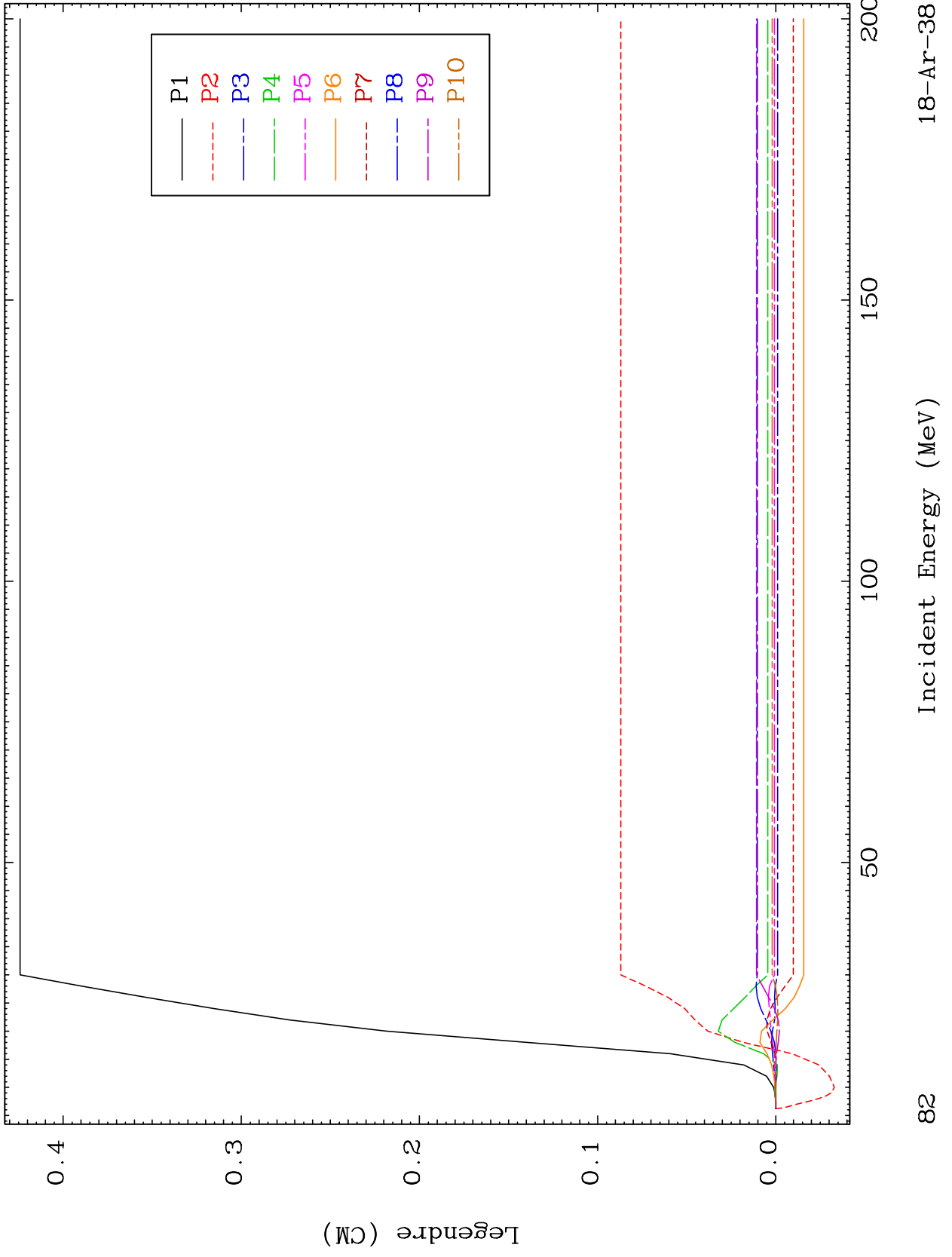
18-Ar-38



MAT 1831

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

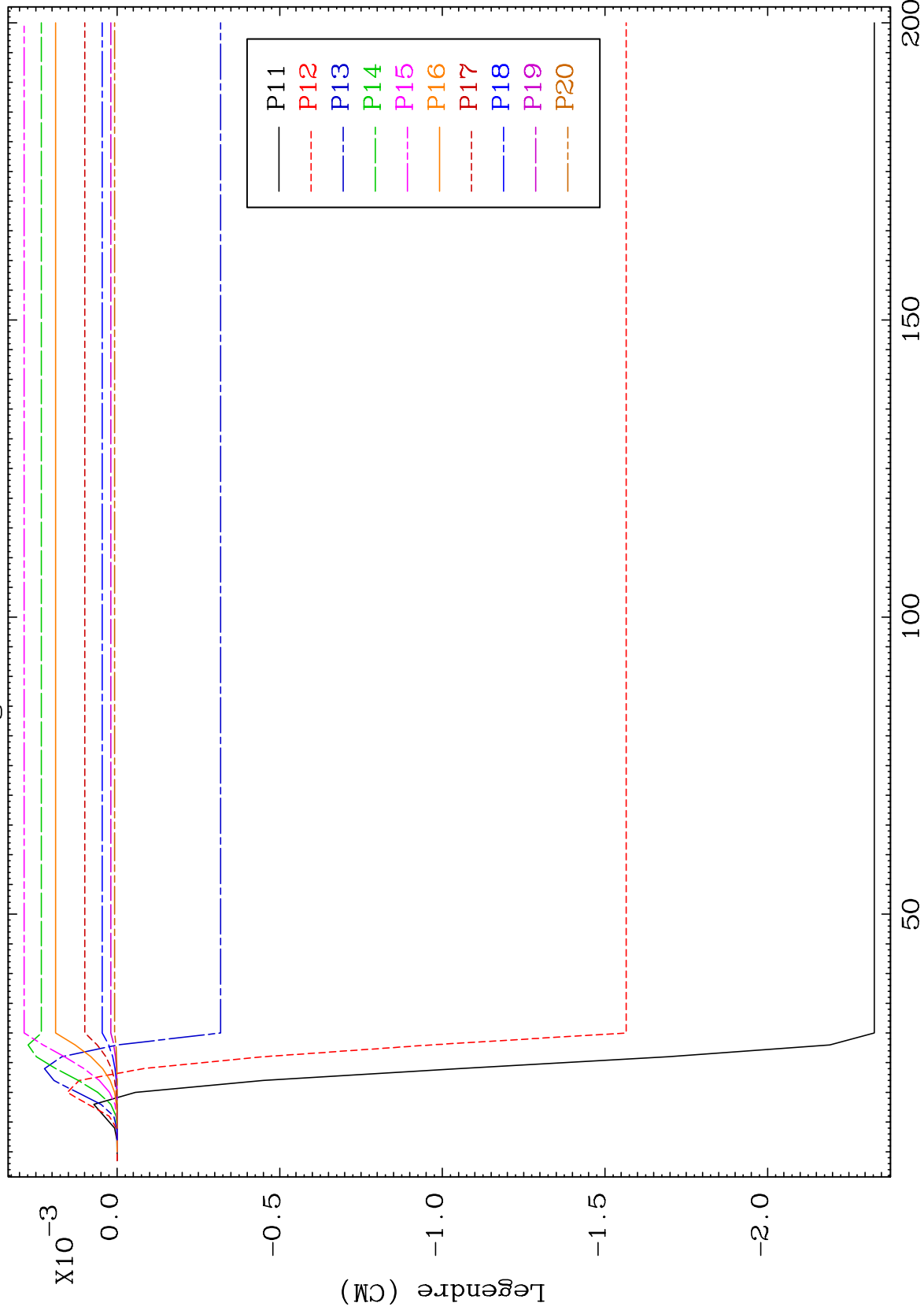
18-Ar-38



82

Incident Energy (MeV)

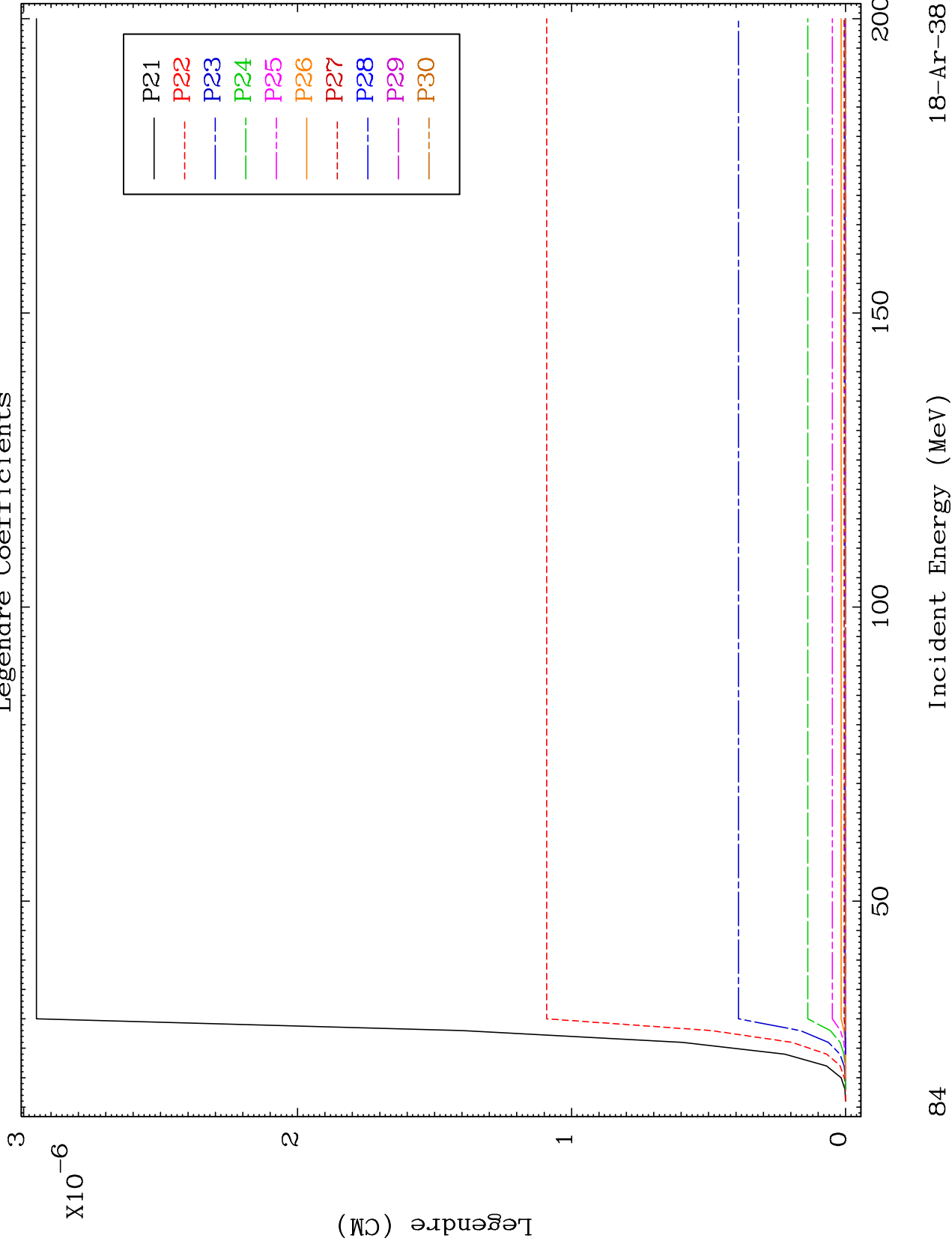
18-Ar-38



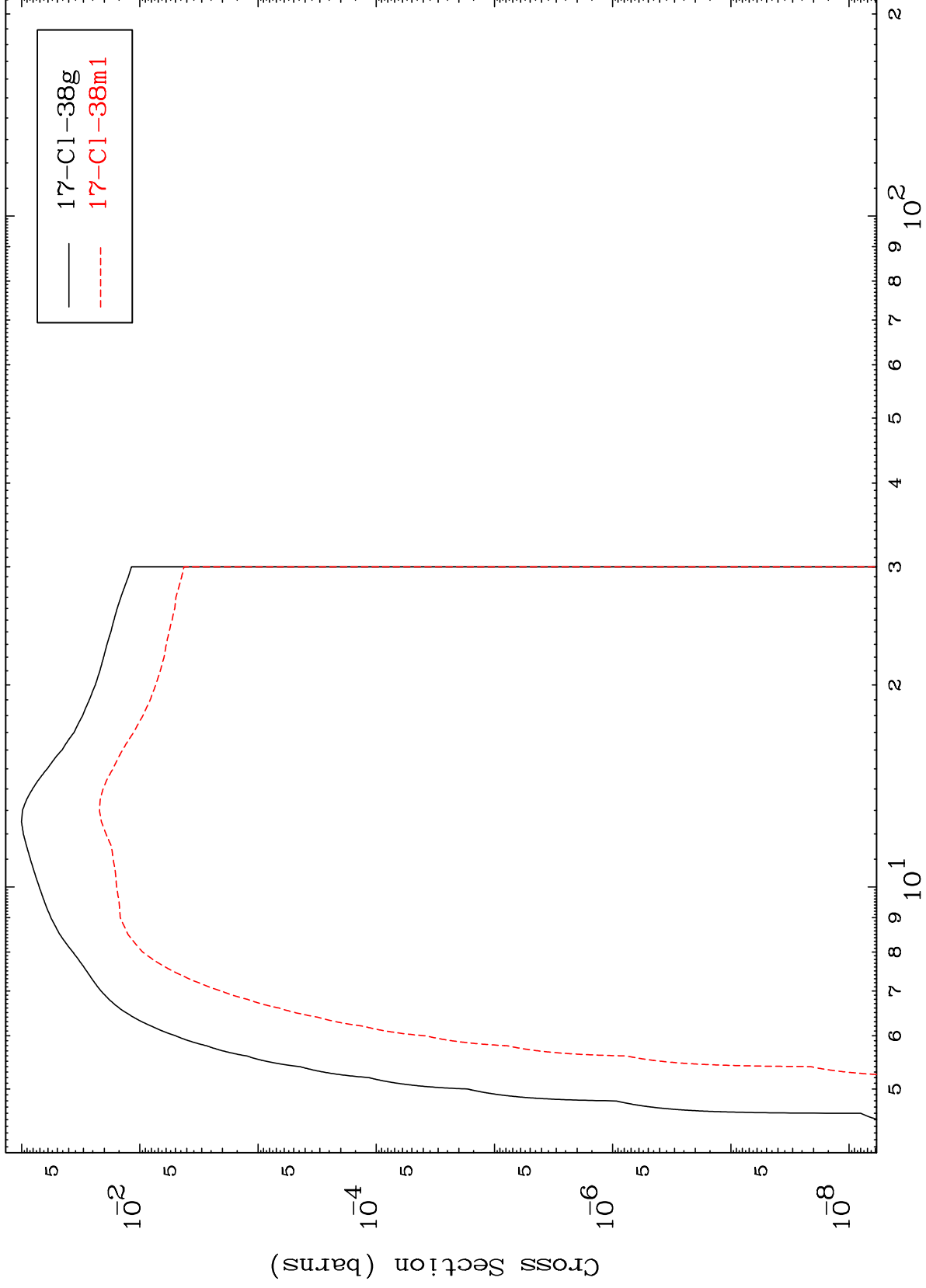
MAT 1831

18-Ar-38

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



(n,p)
Radionuclide Production Cross Section



— 17-Cl-38g
- - - 17-Cl-38m1