

Program EVALPLOT  
(Version 2015-2)

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:home.comcast.net/~redcullen1

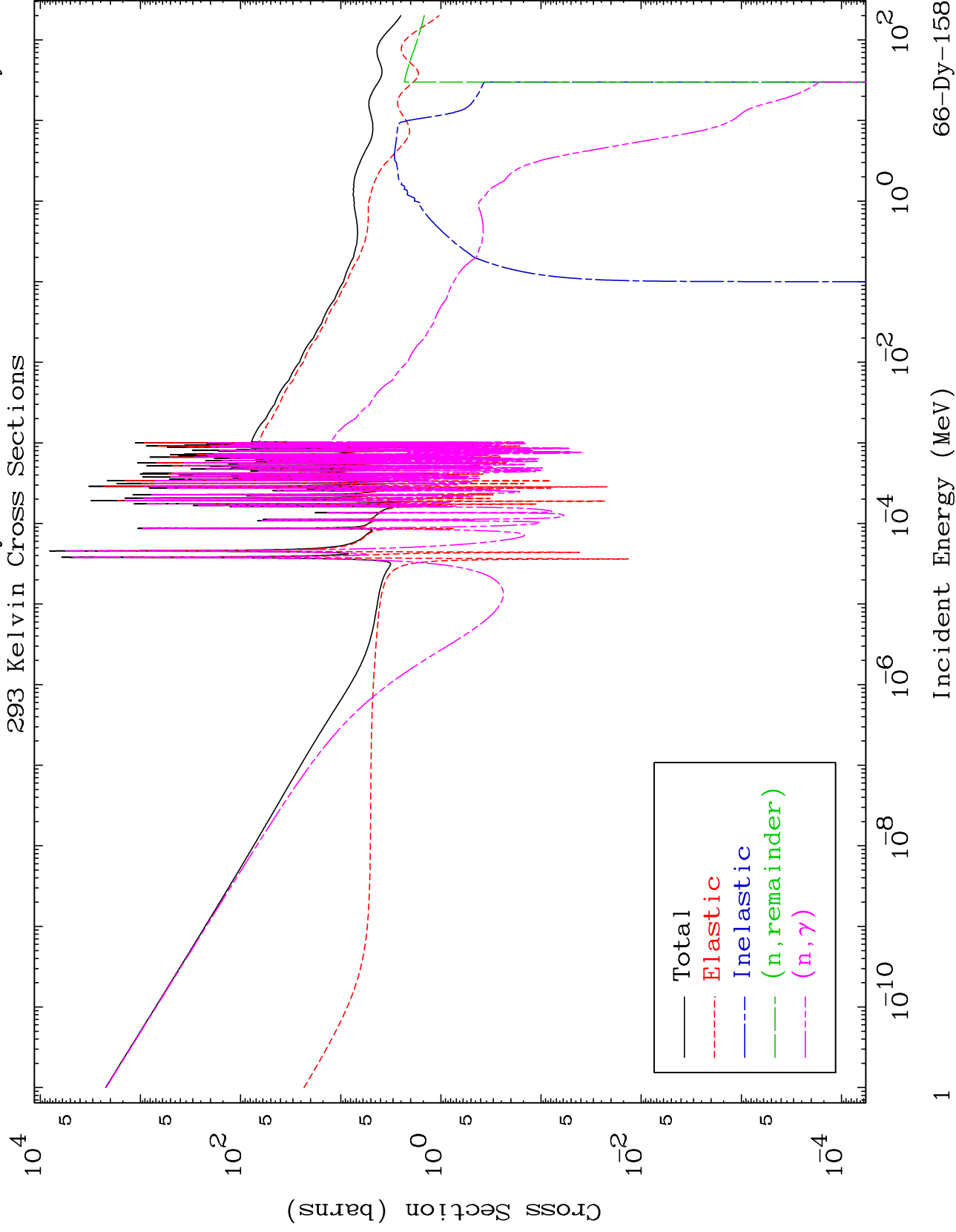
Press Mouse Button to Start

MAT 6631

Major

293 Kelvin Cross Sections

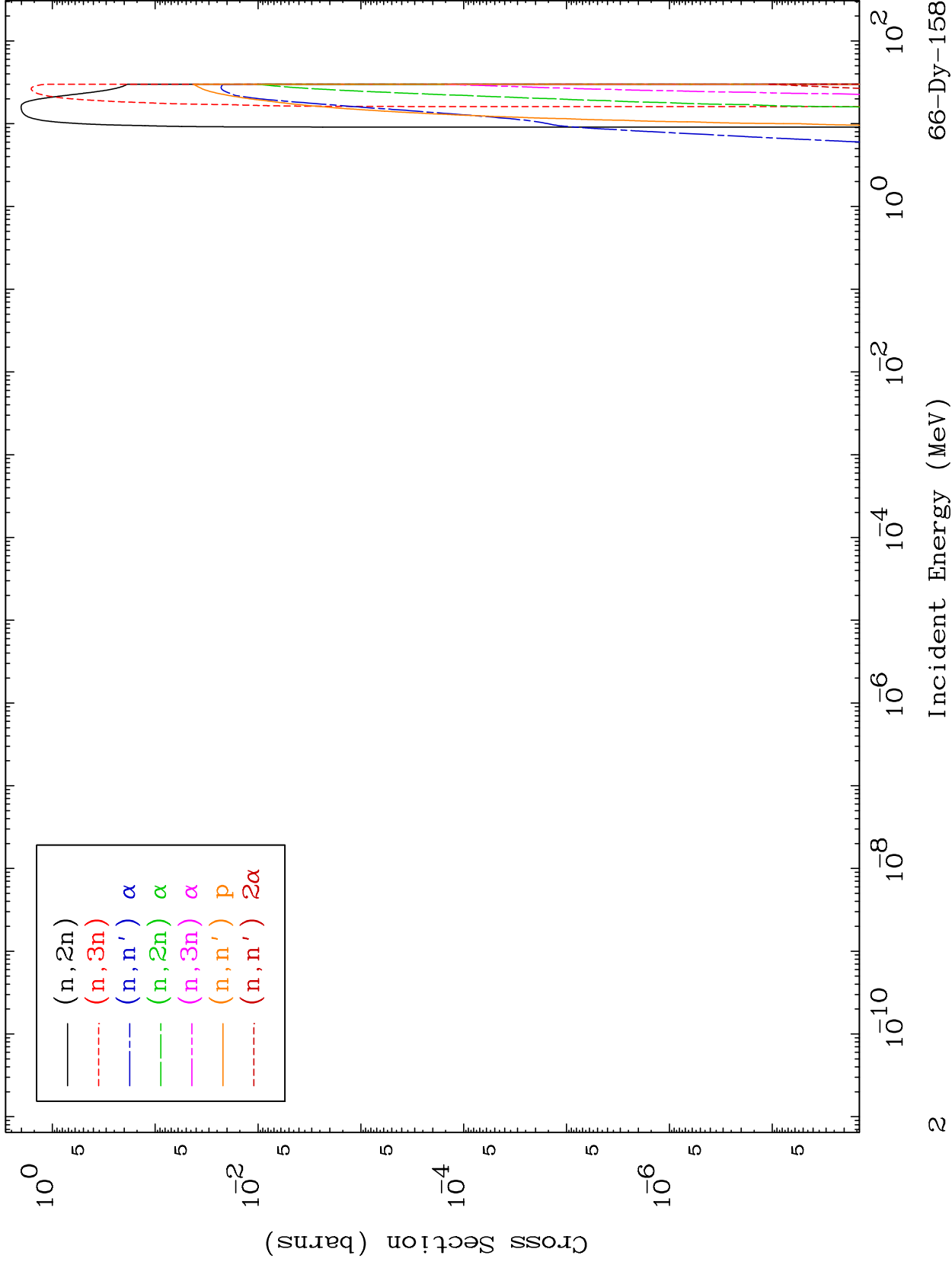
66-Dy-158

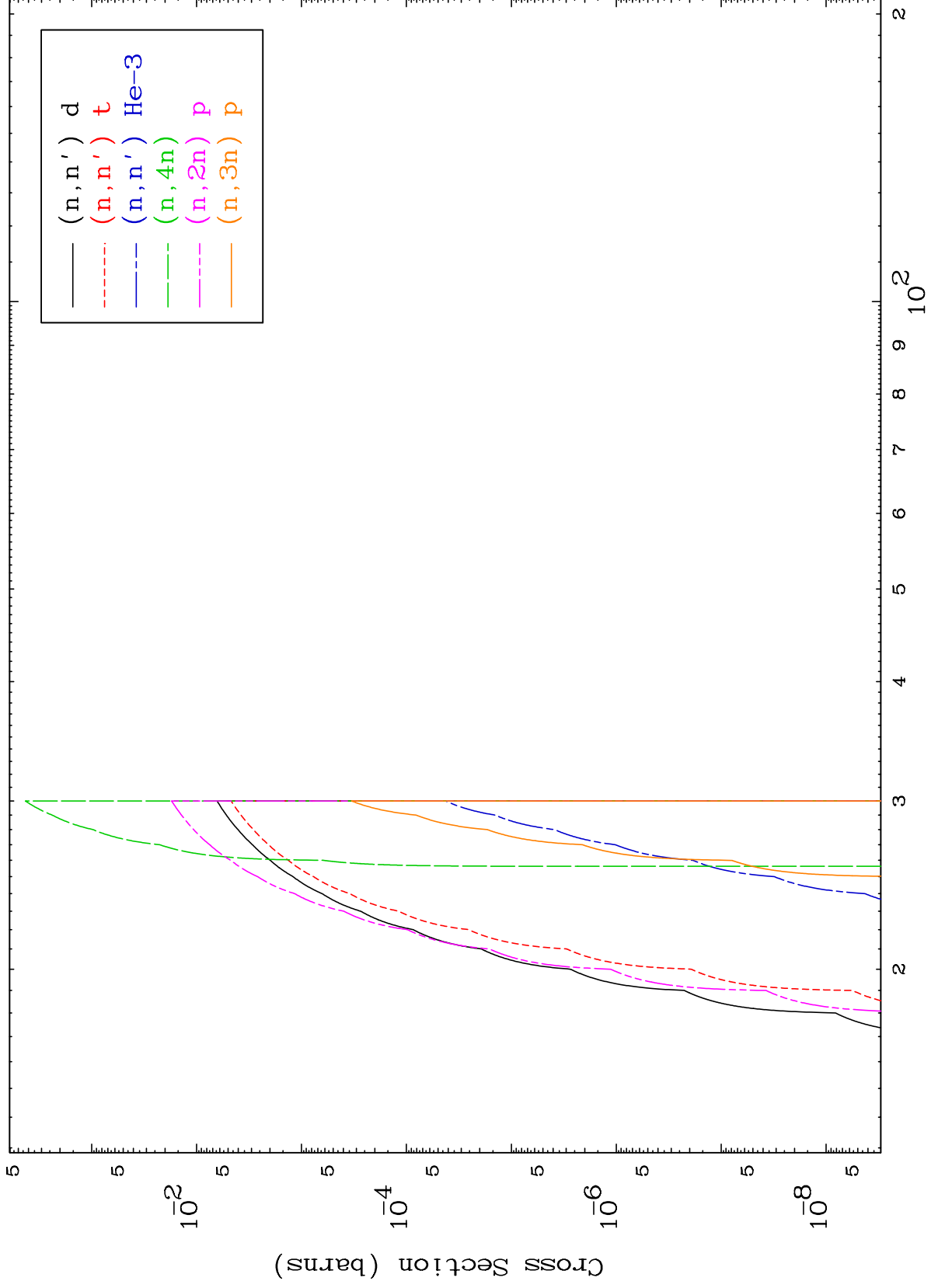


MAT 6631

Neutron Production  
293 Kelvin Cross Sections

66-Dy-158

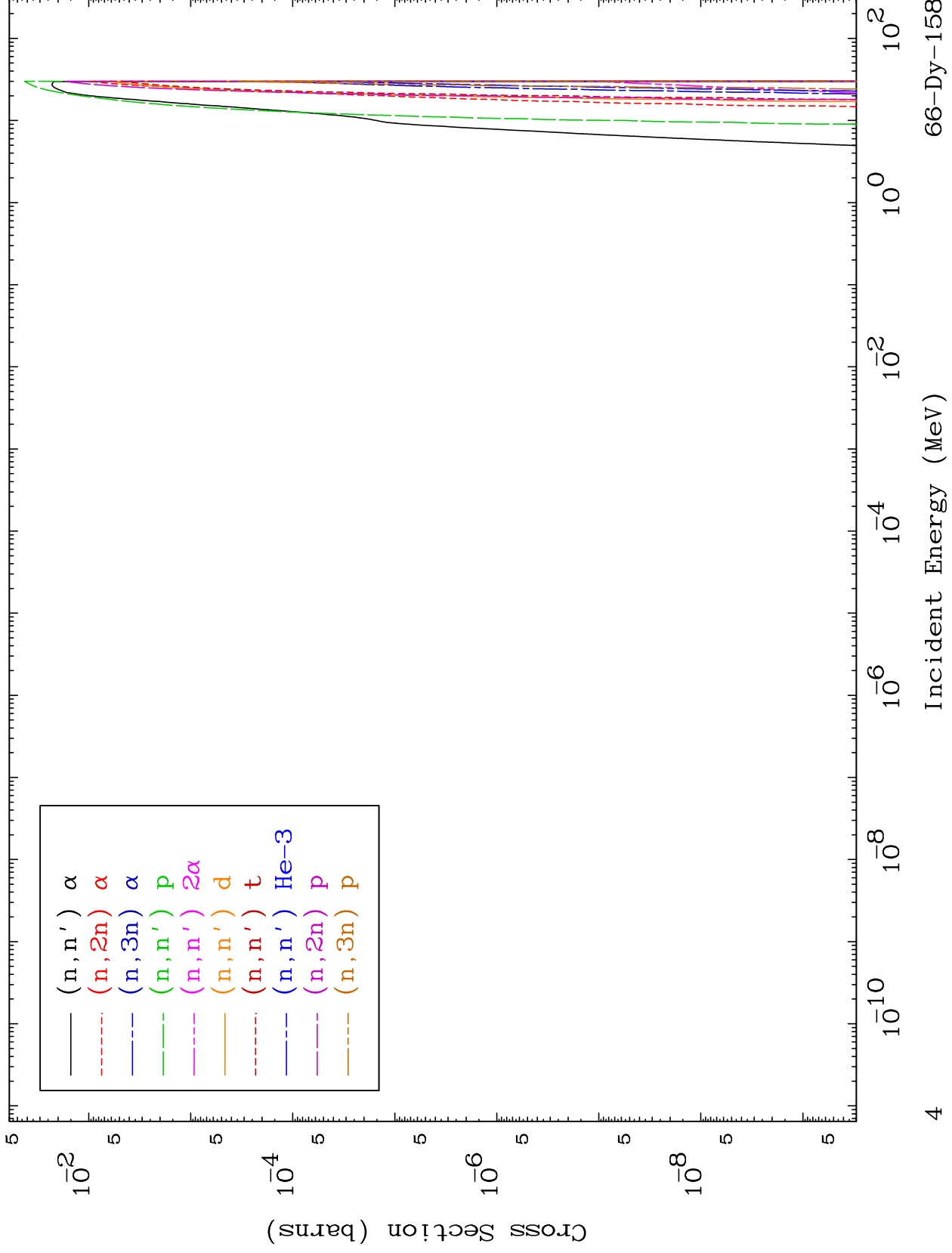




MAT 6631

Charged Particle  
293 Kelvin Cross Sections

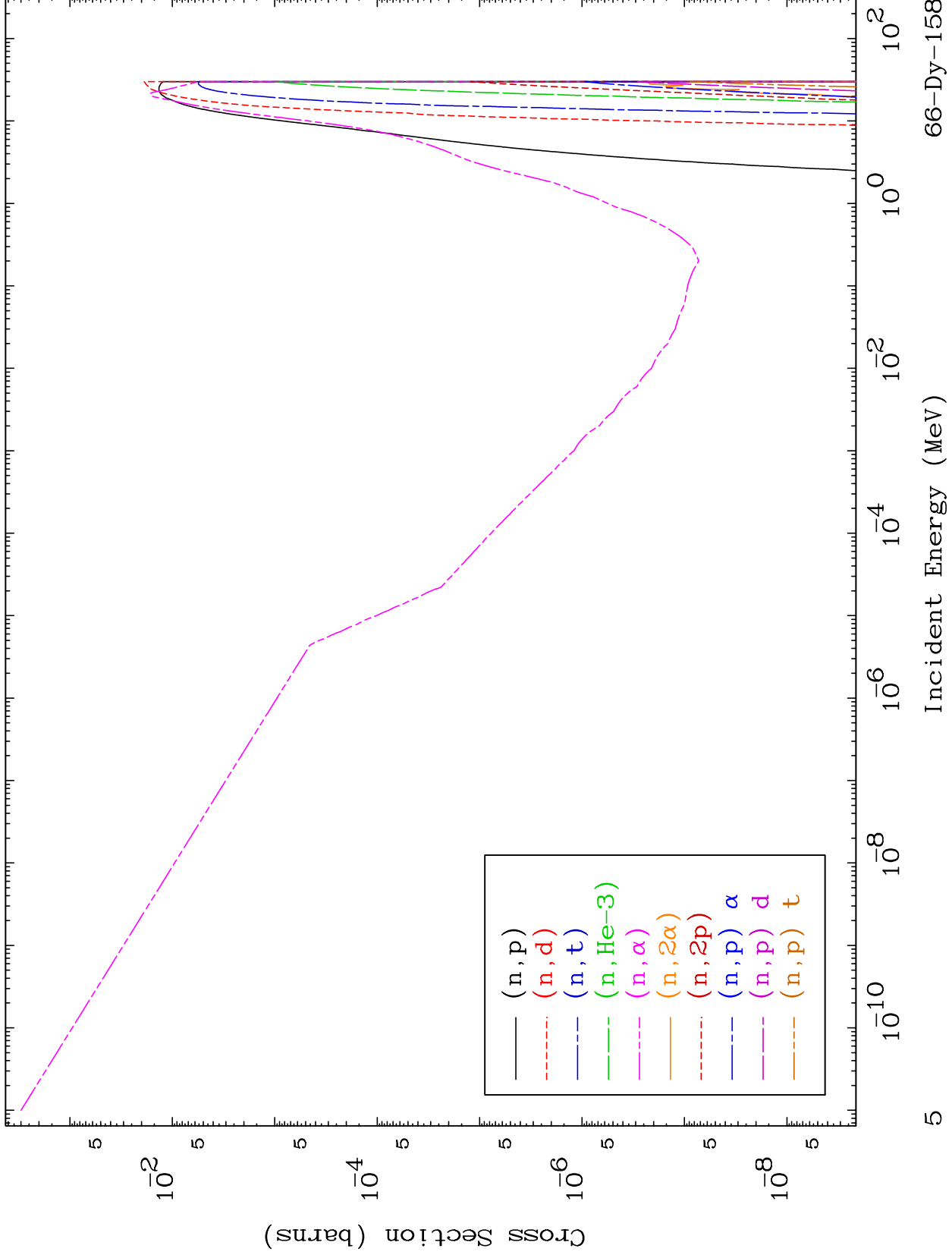
66-Dy-158



MAT 6631

Charged Particle  
293 Kelvin Cross Sections

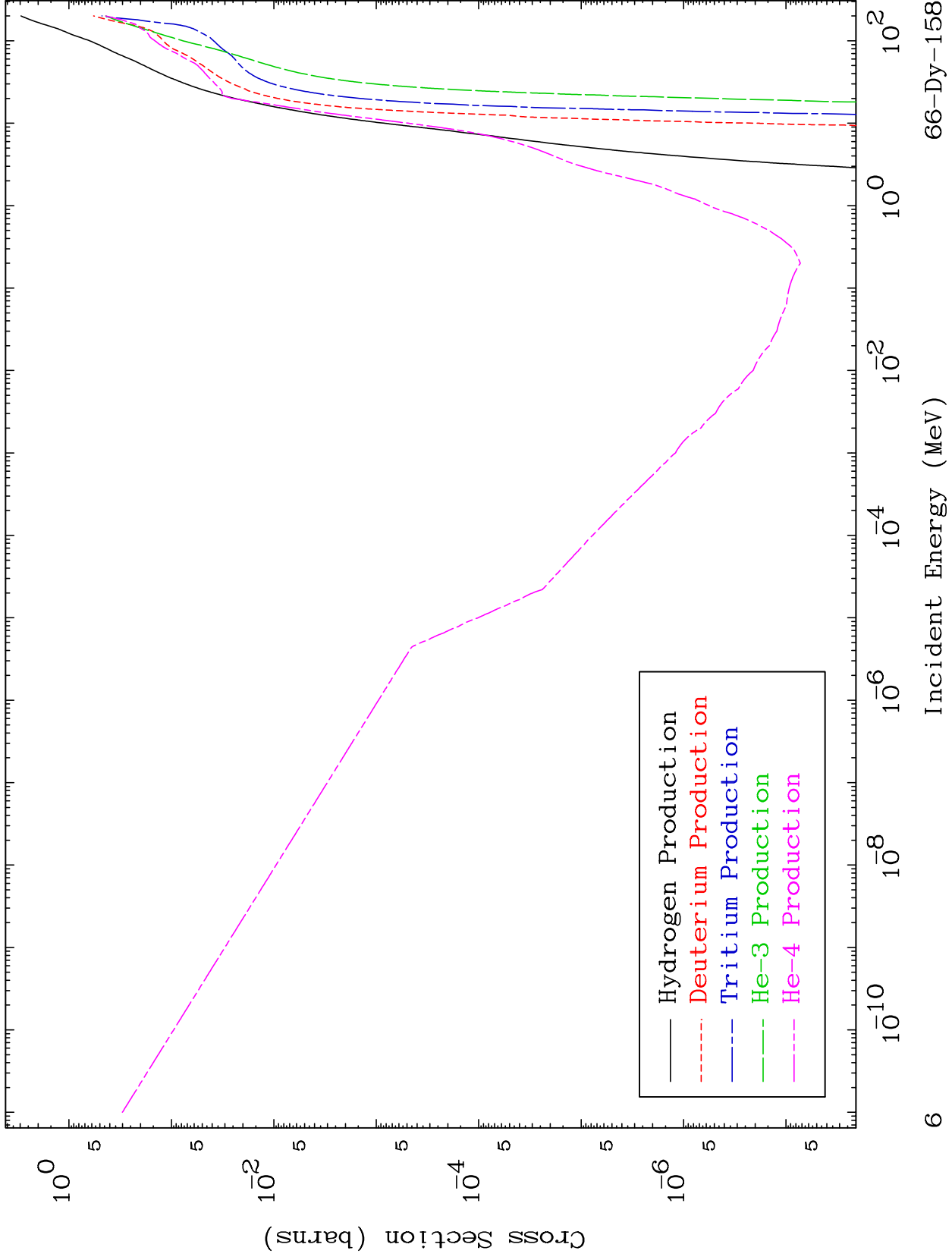
66-Dy-158



MAT 6631

Particle Production  
293 Kelvin Cross Sections

66-Dy-158

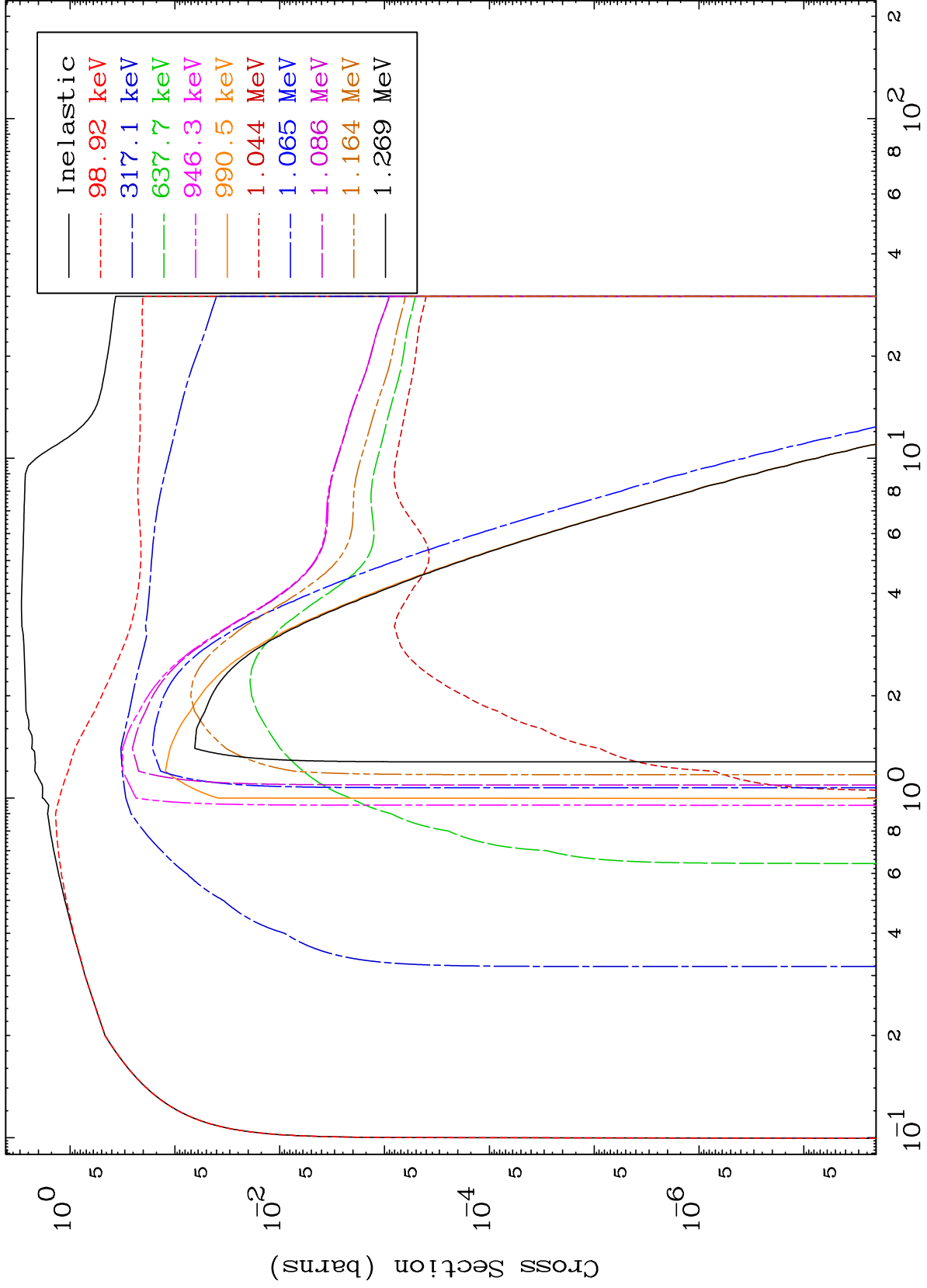


MAT 6631

(n,n') Level

66-Dy-158

293 Kelvin Cross Sections



Incident Energy (MeV)

66-Dy-158

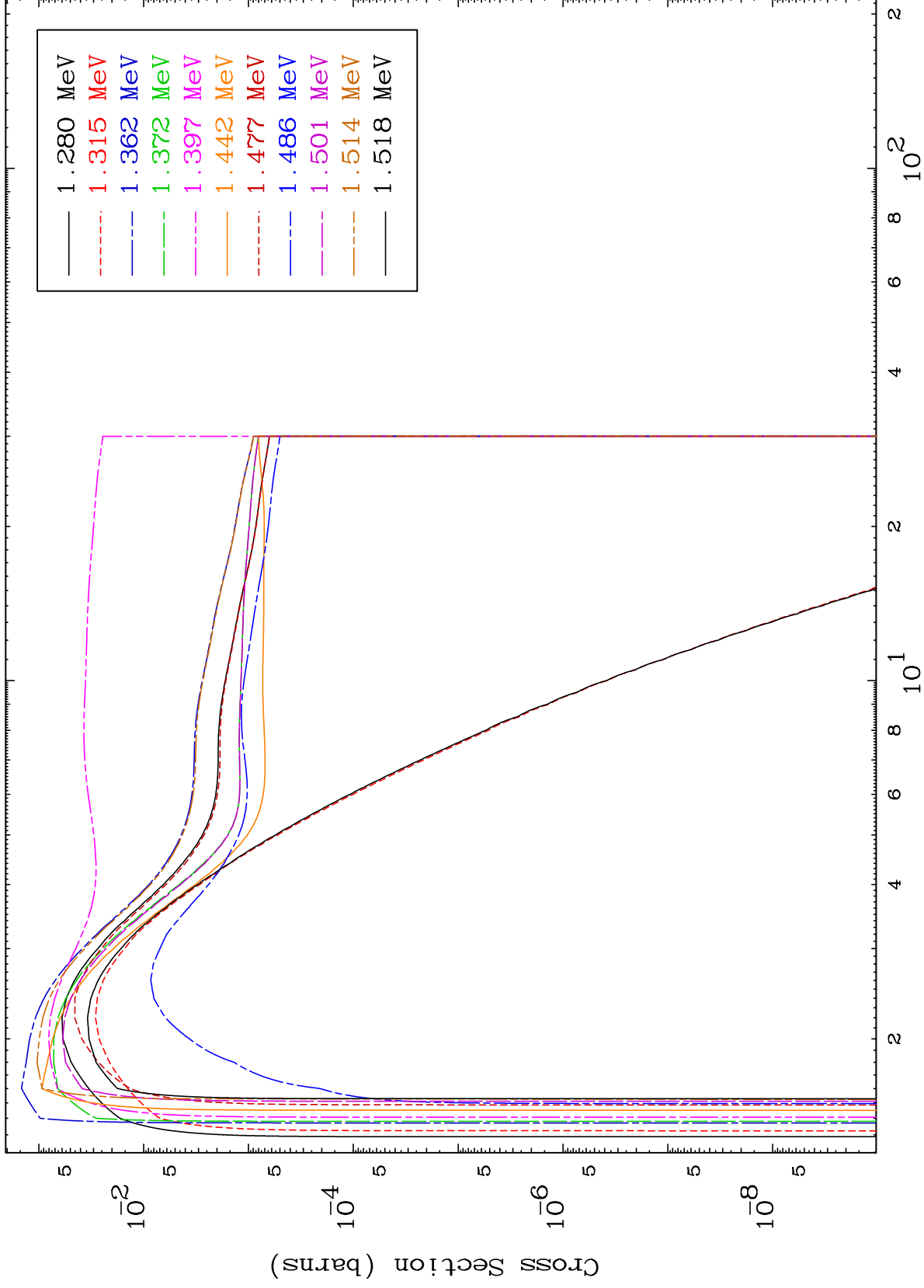
7



MAT 6631

(n,n') Level  
293 Kelvin Cross Sections

66-Dy-158



8

Incident Energy (MeV)

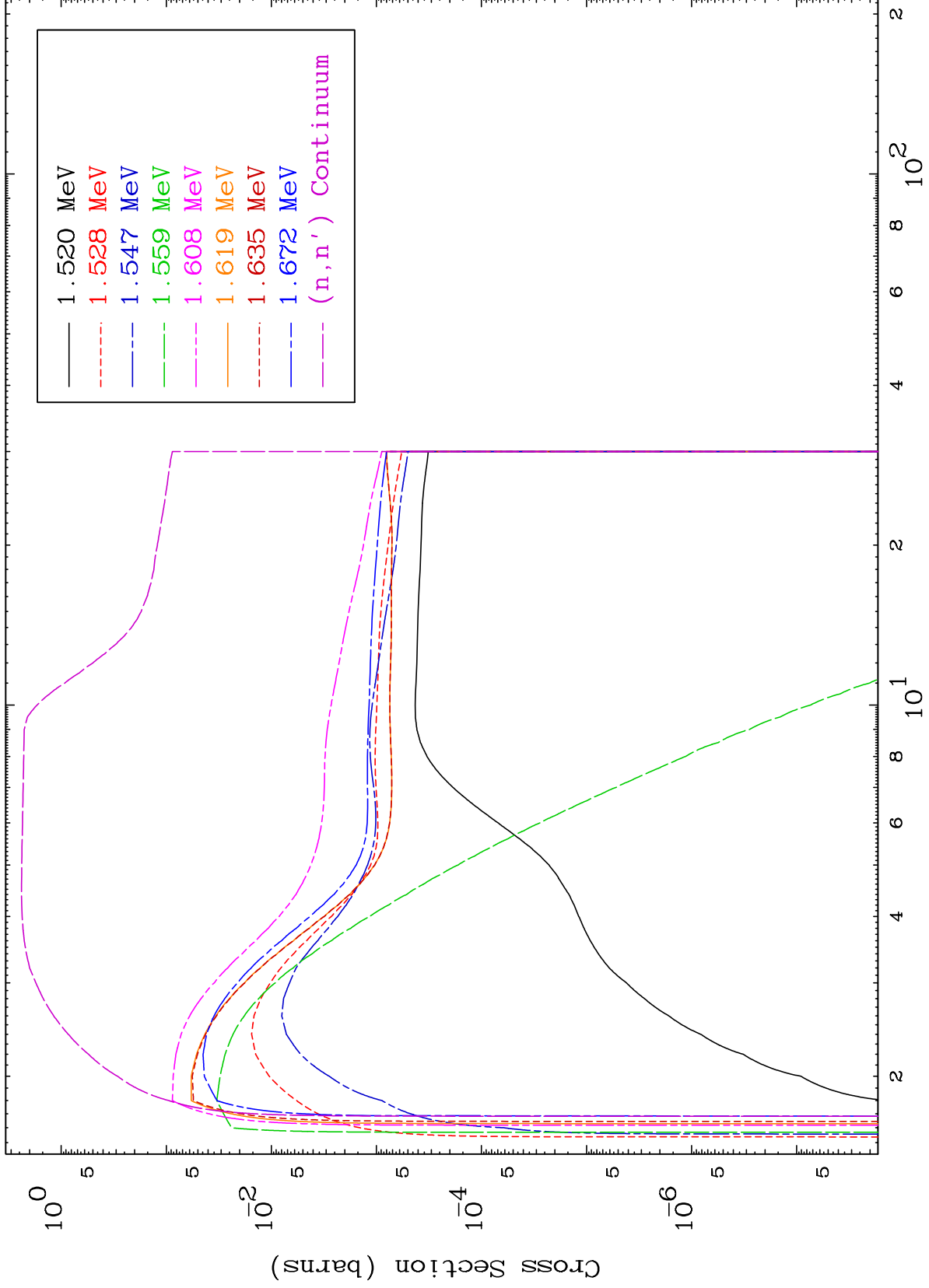
66-Dy-158

MAT 6631

(n,n') Level

66-Dy-158

293 Kelvin Cross Sections



9

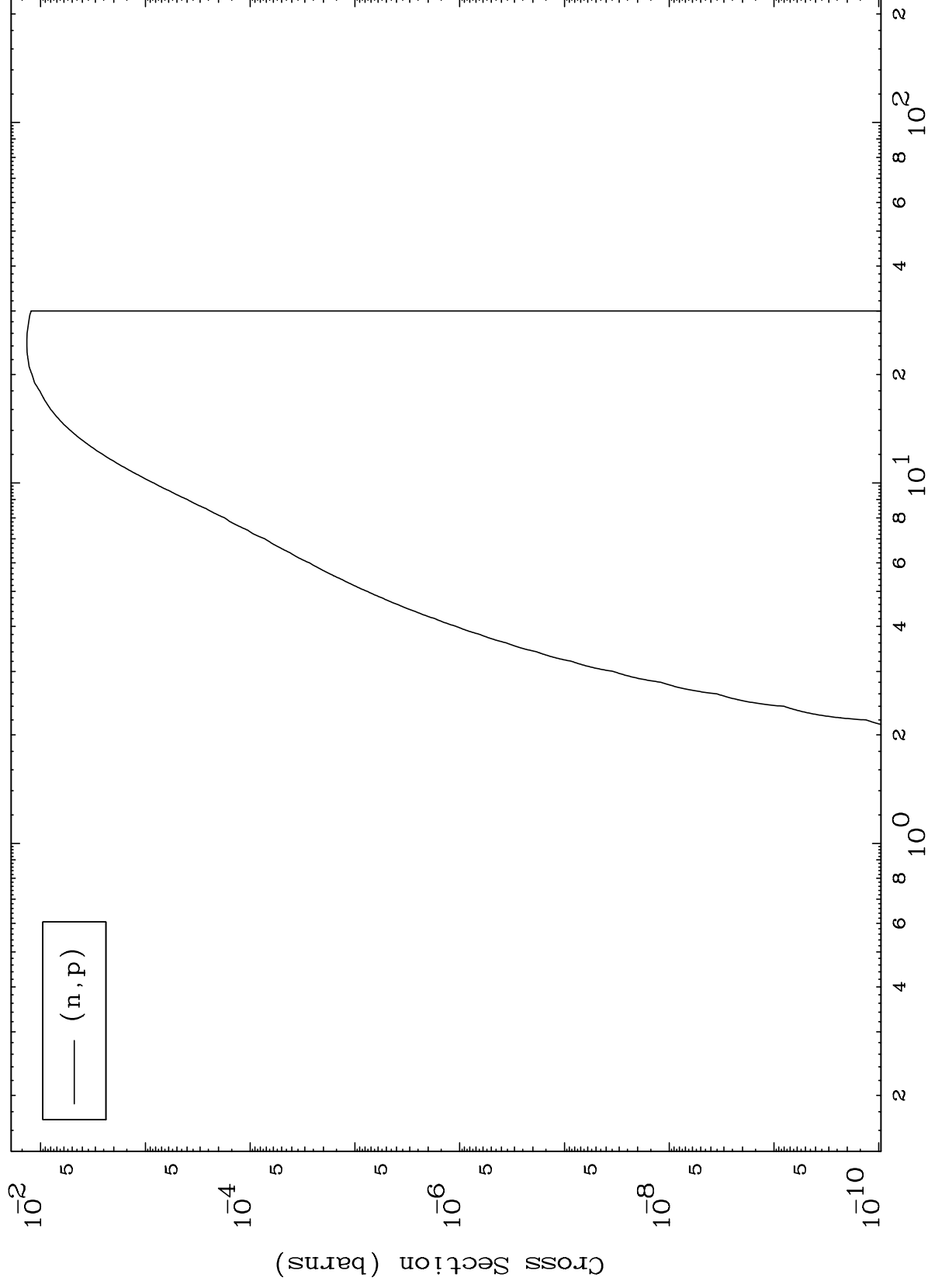
Incident Energy (MeV)

66-Dy-158

MAT 6631

(n,p) Levels  
293 Kelvin Cross Sections

66-Dy-158



10

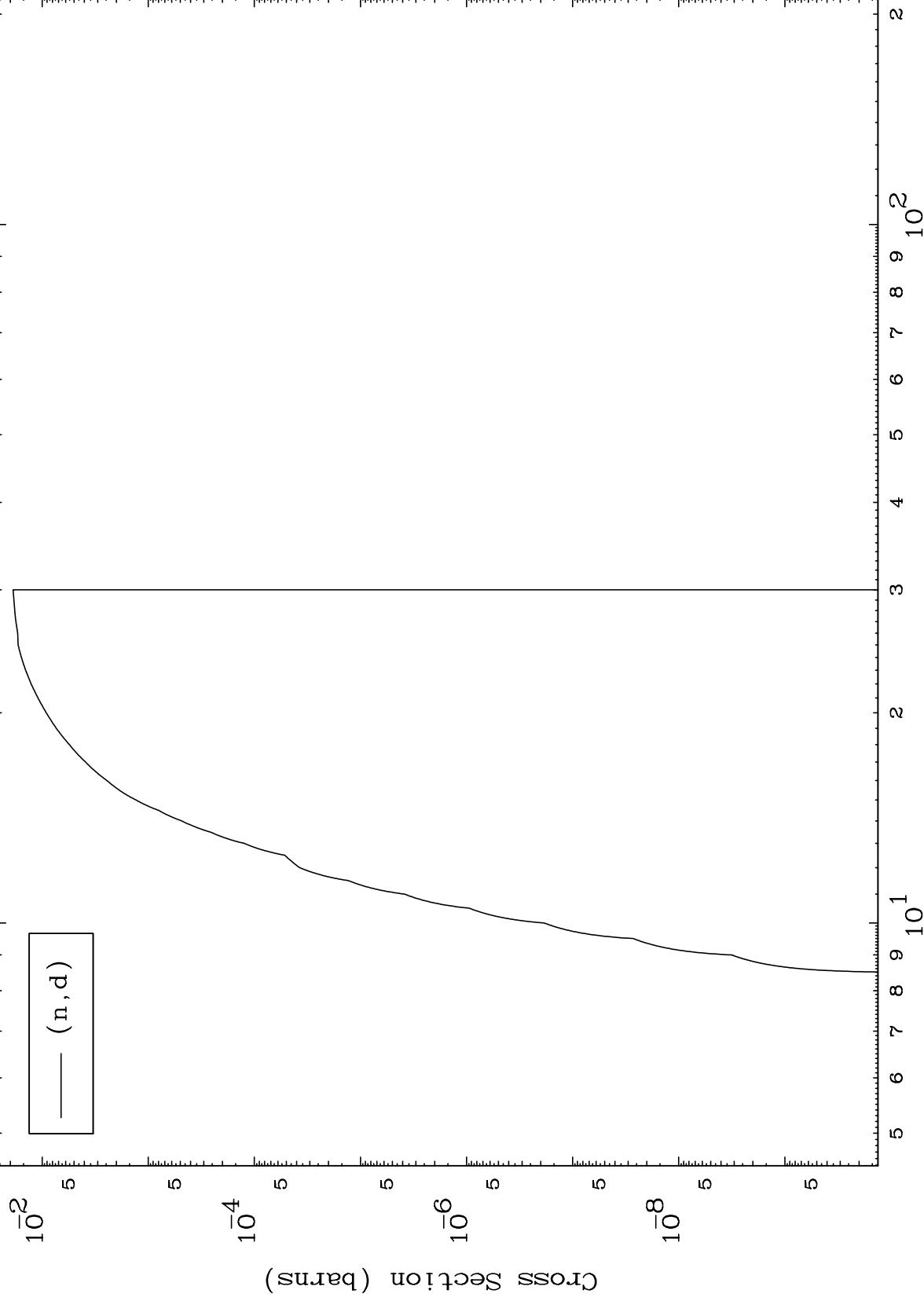
Incident Energy (MeV)

66-Dy-158

MAT 6631

(n,d) Levels  
293 Kelvin Cross Sections

66-Dy-158



11

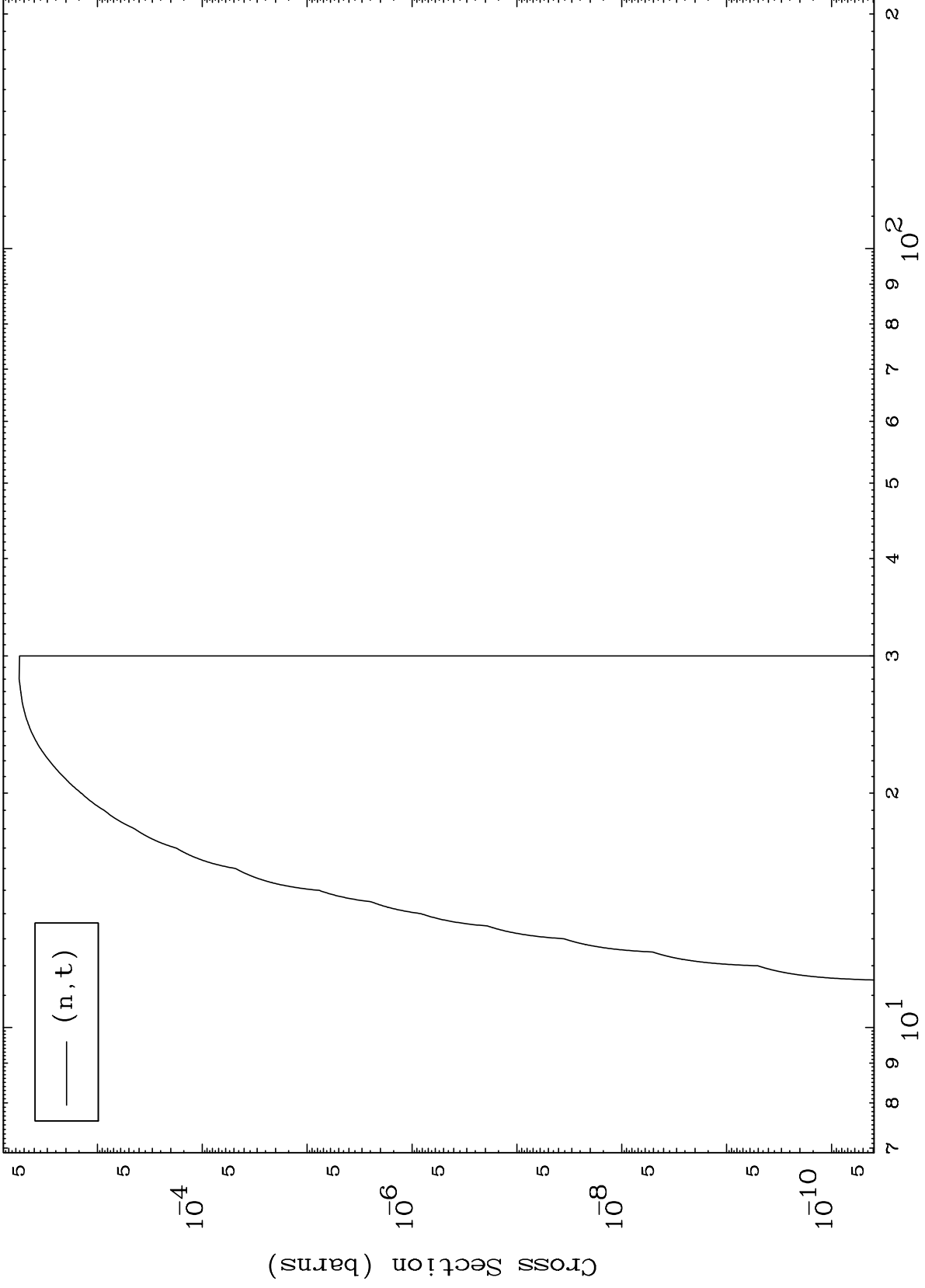
Incident Energy (MeV)

66-Dy-158

MAT 6631

(n,t) Levels  
293 Kelvin Cross Sections

66-Dy-158



12

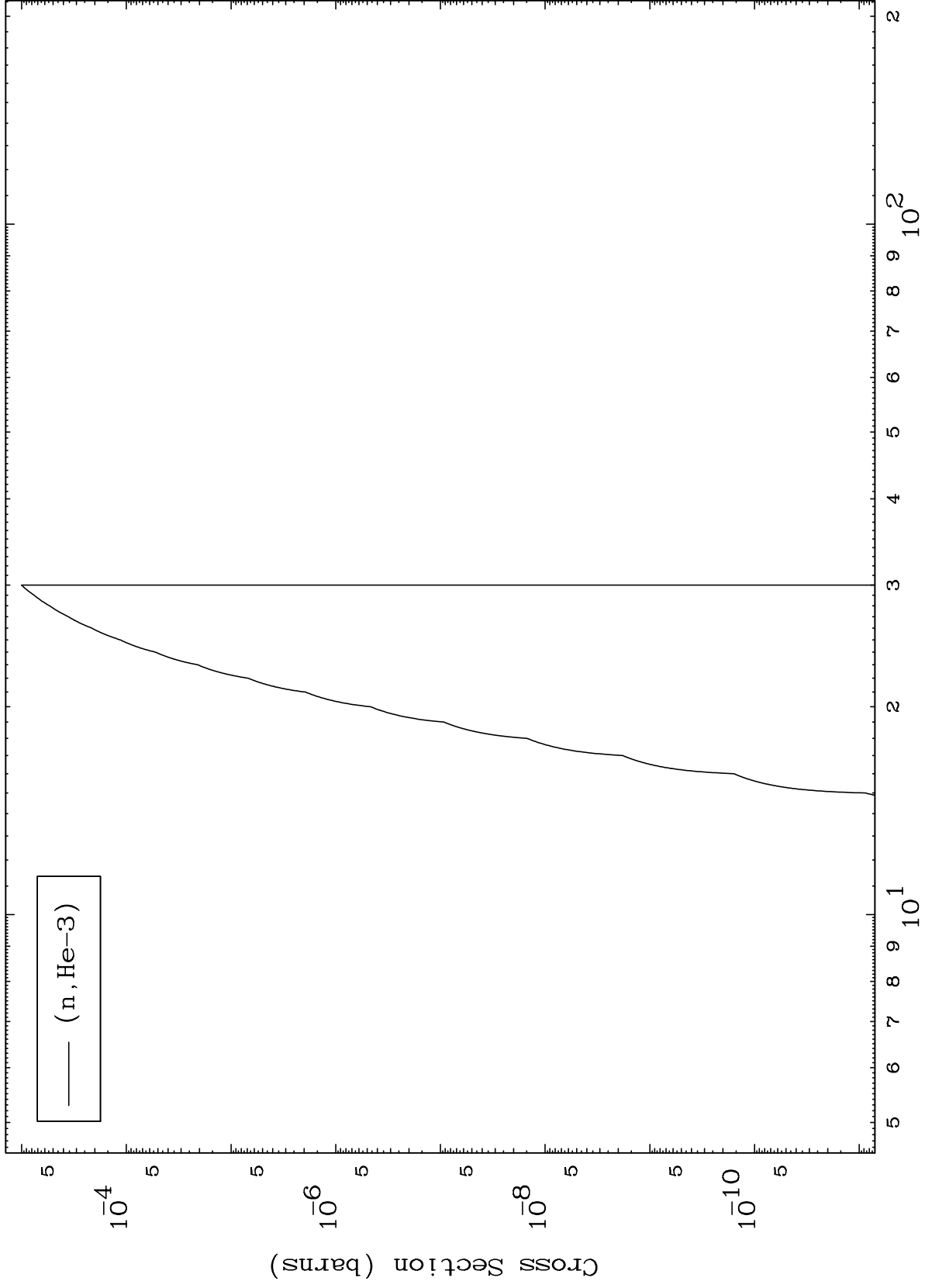
Incident Energy (MeV)

66-Dy-158

MAT 6631

(n,He3) Levels  
293 Kelvin Cross Sections

66-Dy-158



13

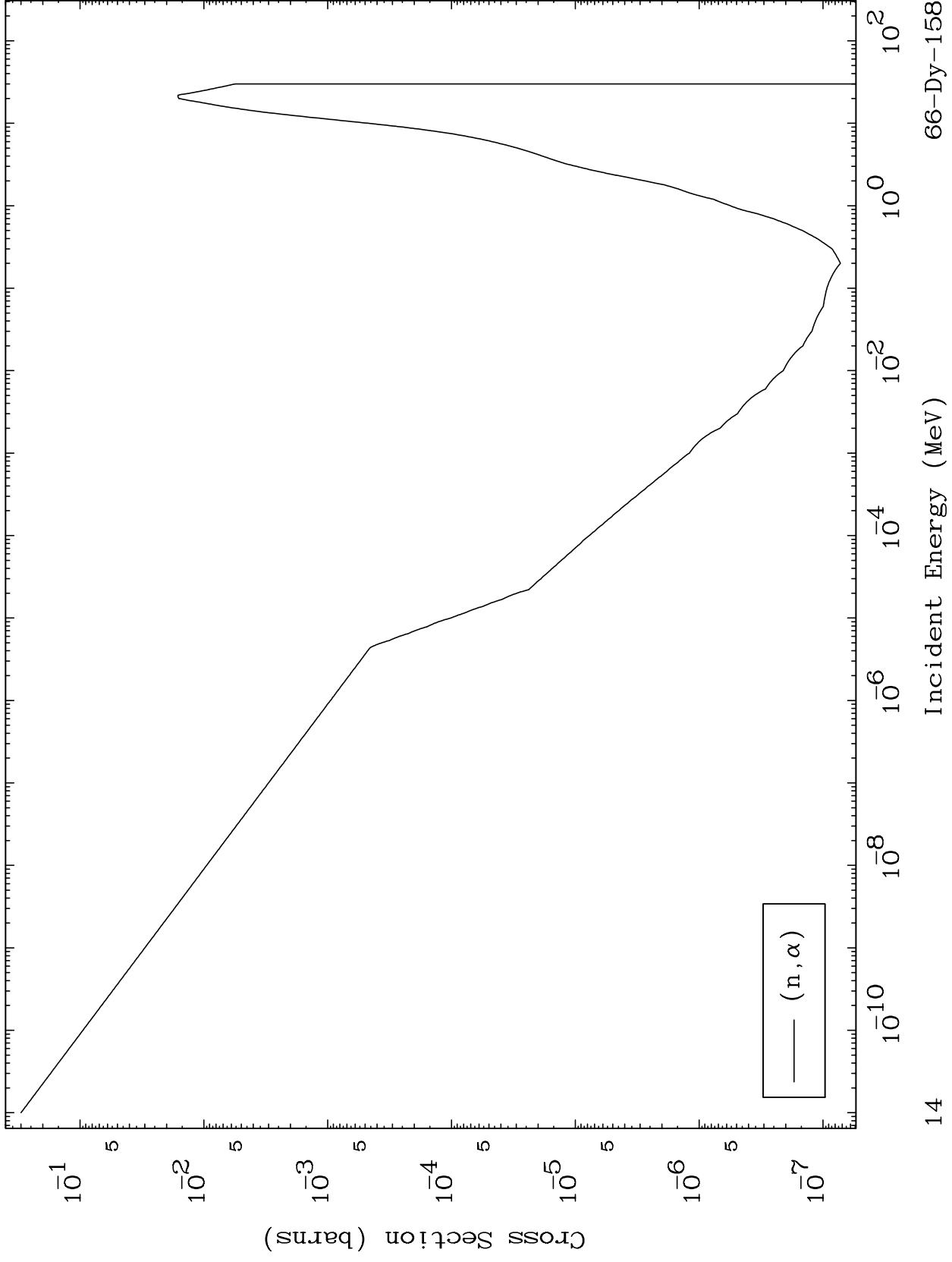
Incident Energy (MeV)

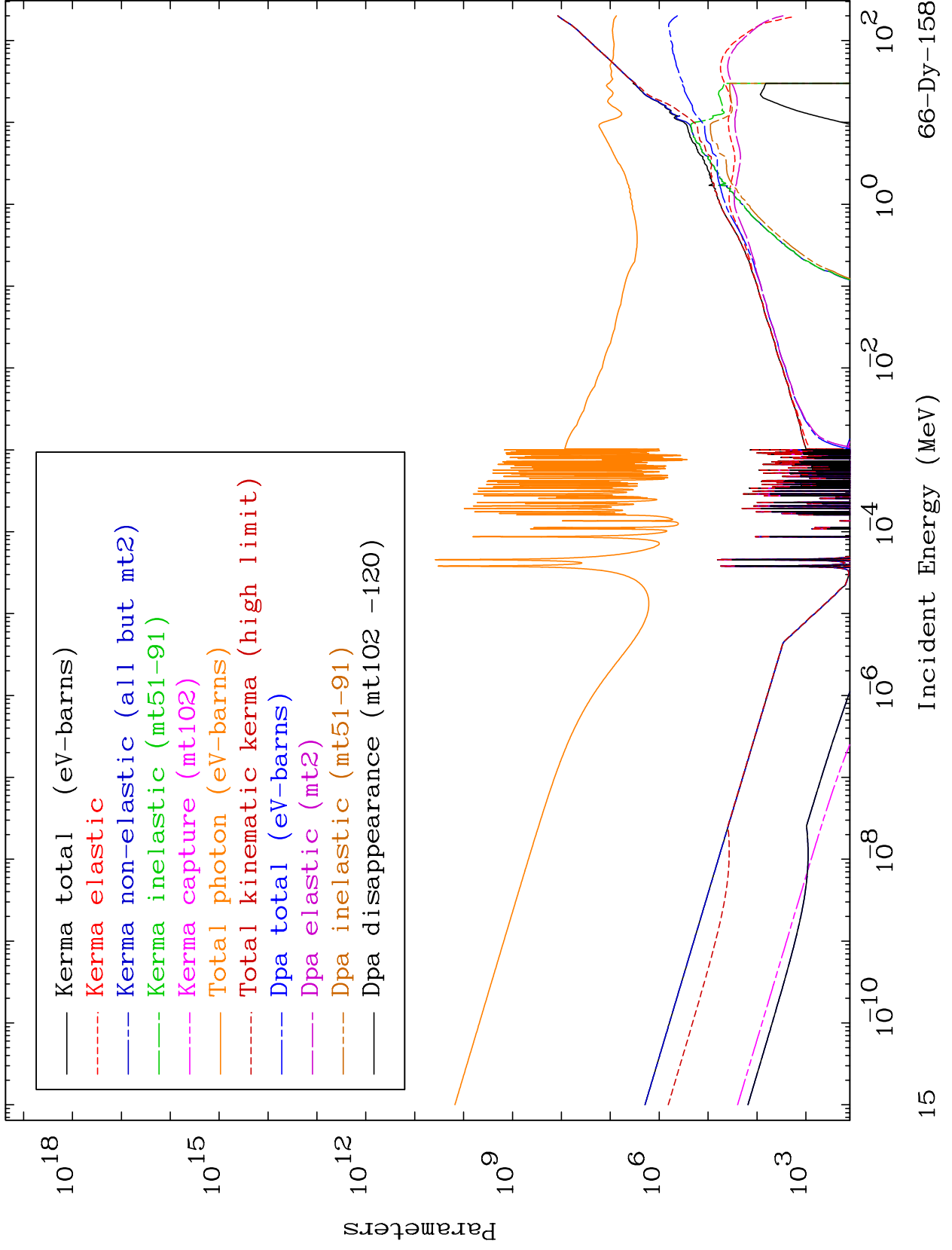
66-Dy-158

MAT 6631

(n,α) Levels  
293 Kelvin Cross Sections

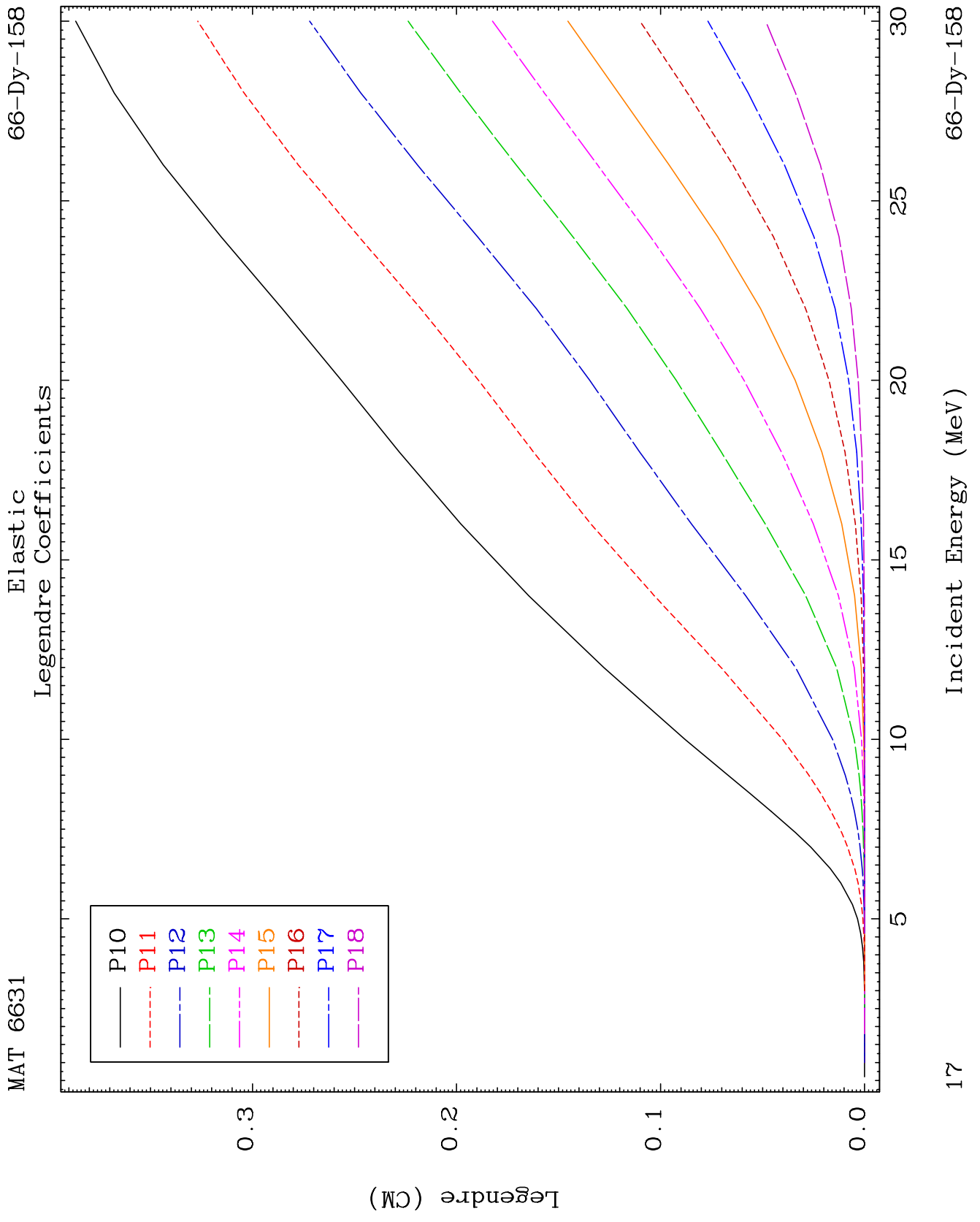
66-Dy-158







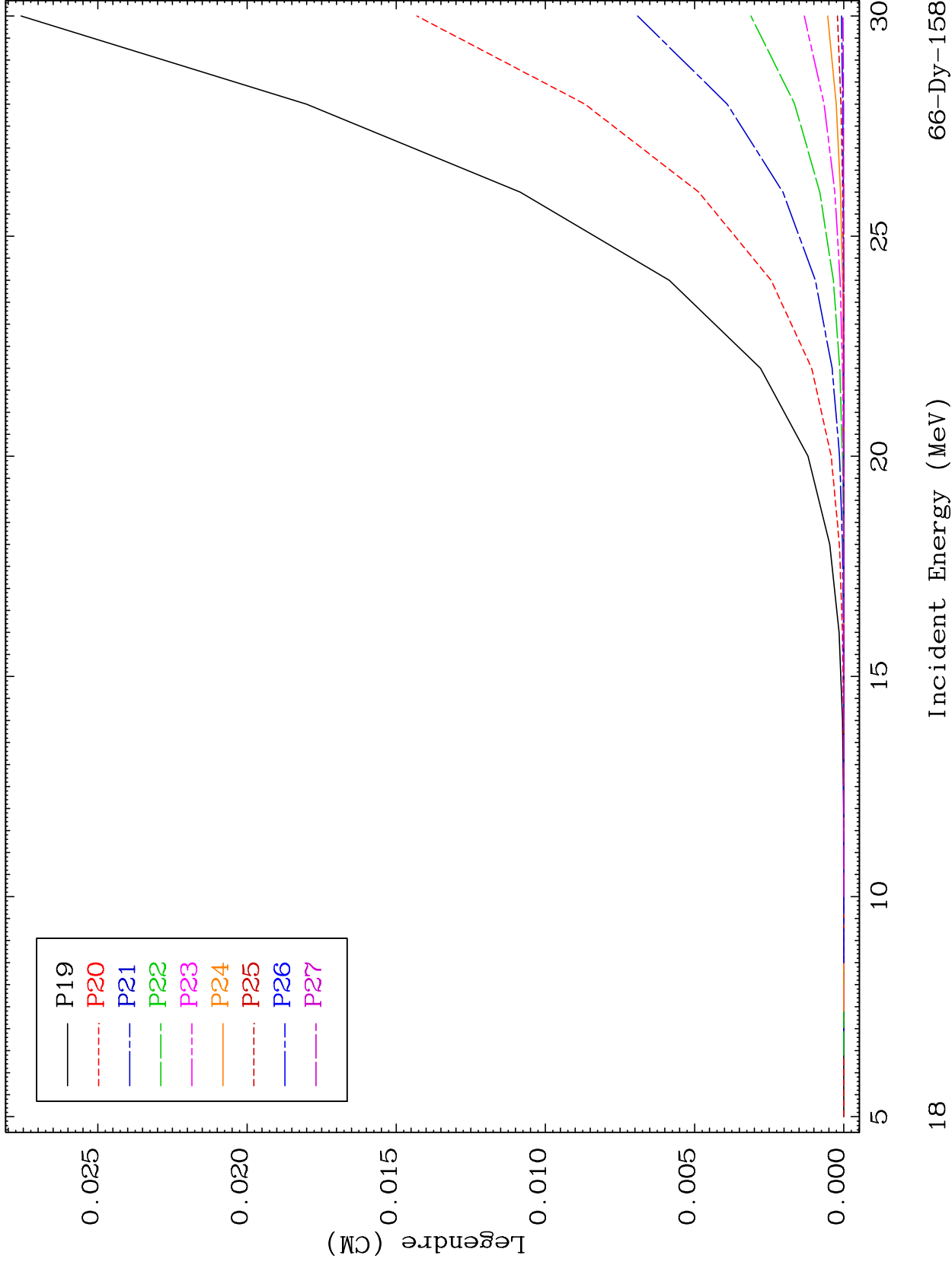




MAT 6631

### Elastic Legendre Coefficients

66-Dy-158



18

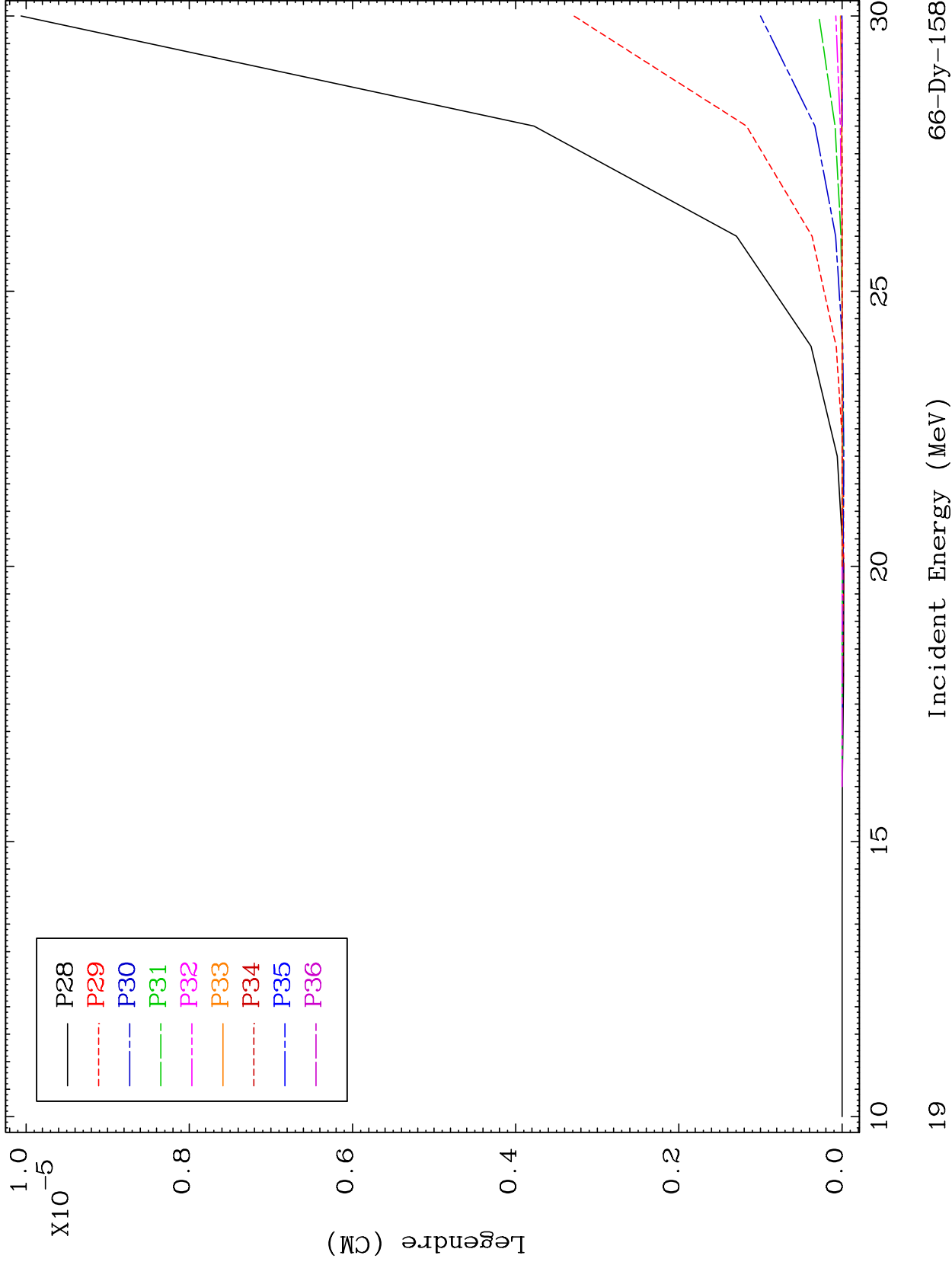
Incident Energy (MeV)

66-Dy-158

MAT 6631

Elastic Legendre Coefficients

66-Dy-158



66-Dy-158

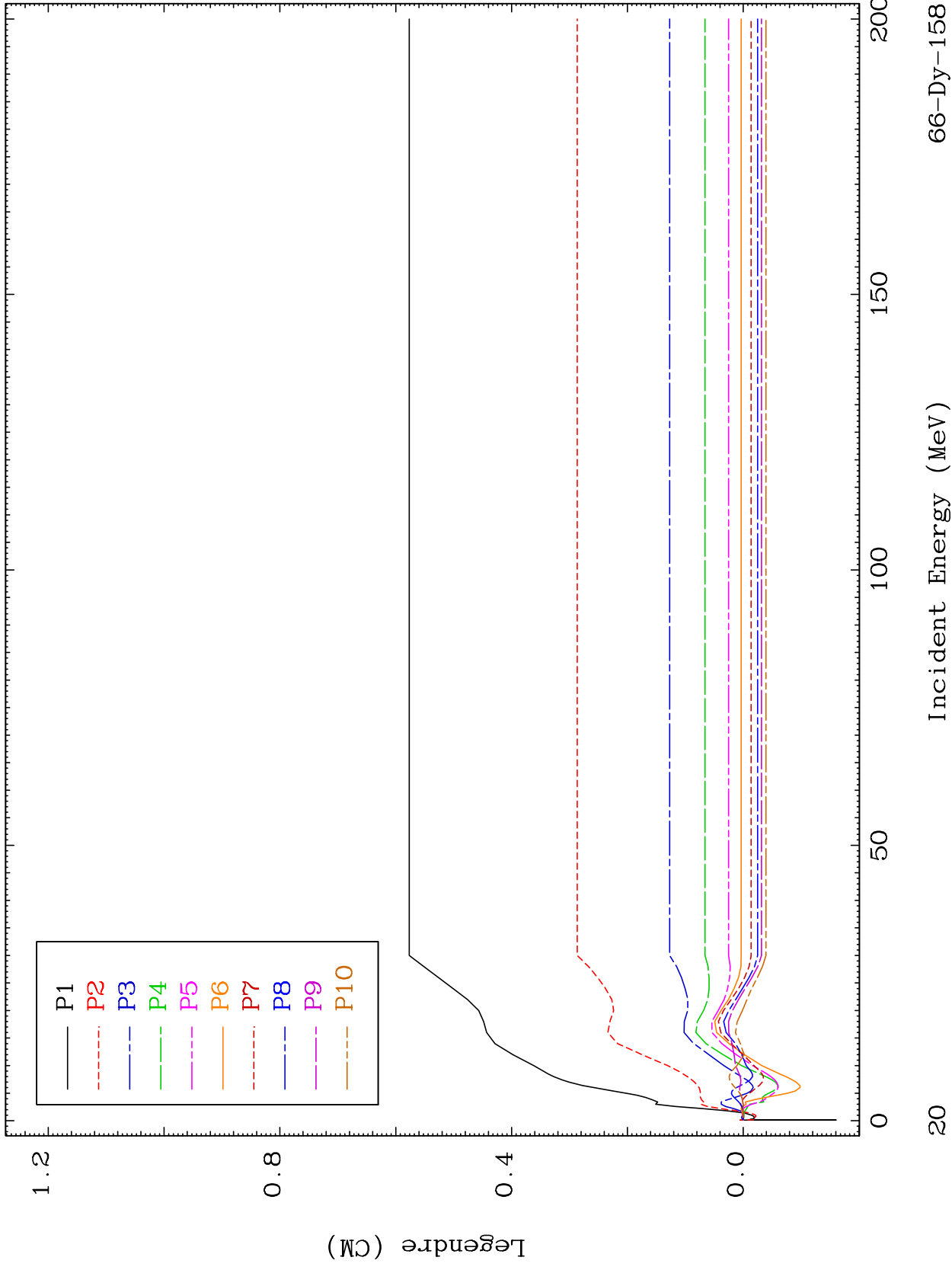
Incident Energy (MeV)

19

MAT 6631

98.92 keV (n,n') Level  
Legendre Coefficients

66-Dy-158



66-Dy-158

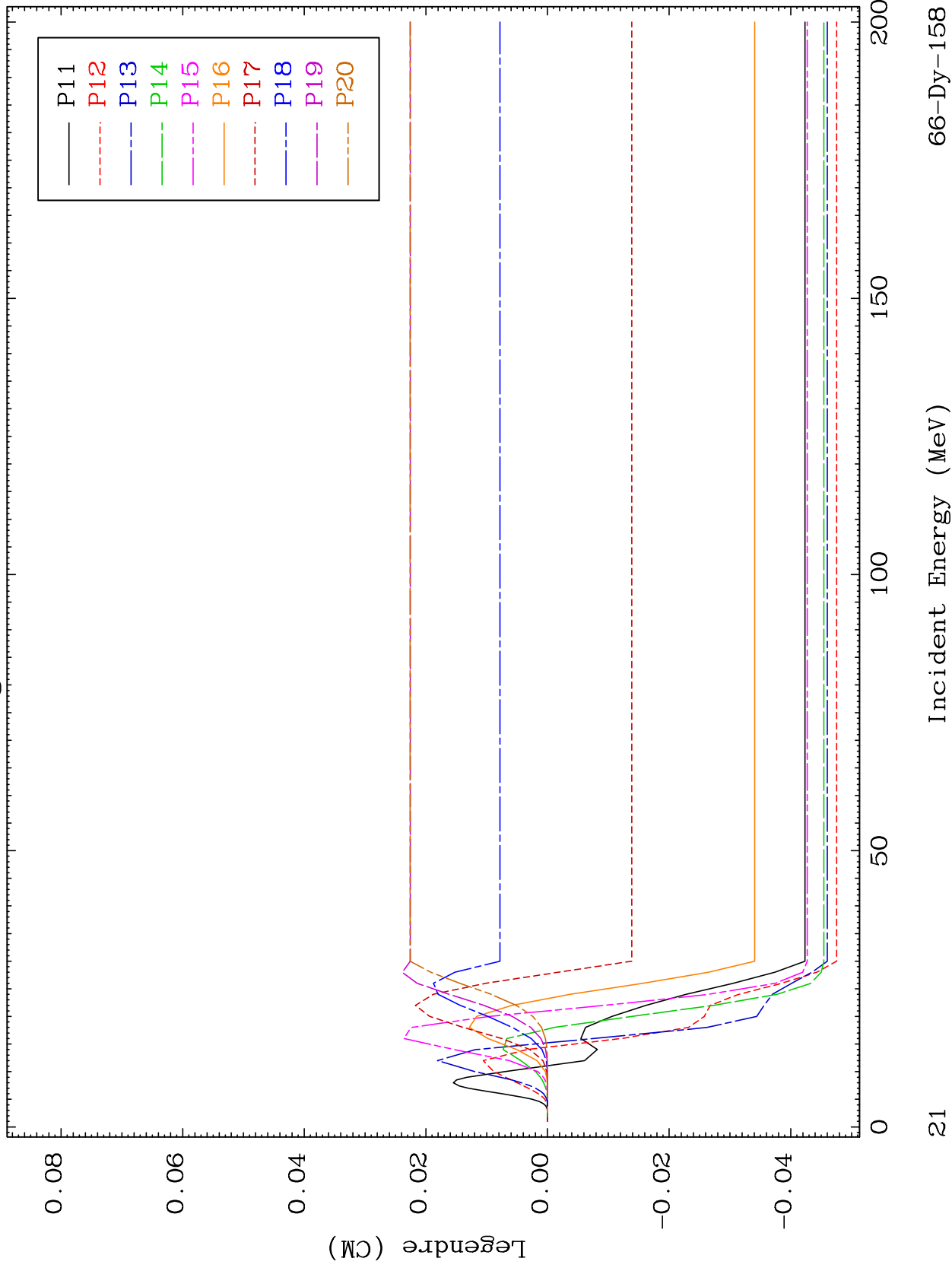
Incident Energy (MeV)

20

MAT 6631

98.92 keV (n,n') Level  
Legendre Coefficients

66-Dy-158



21

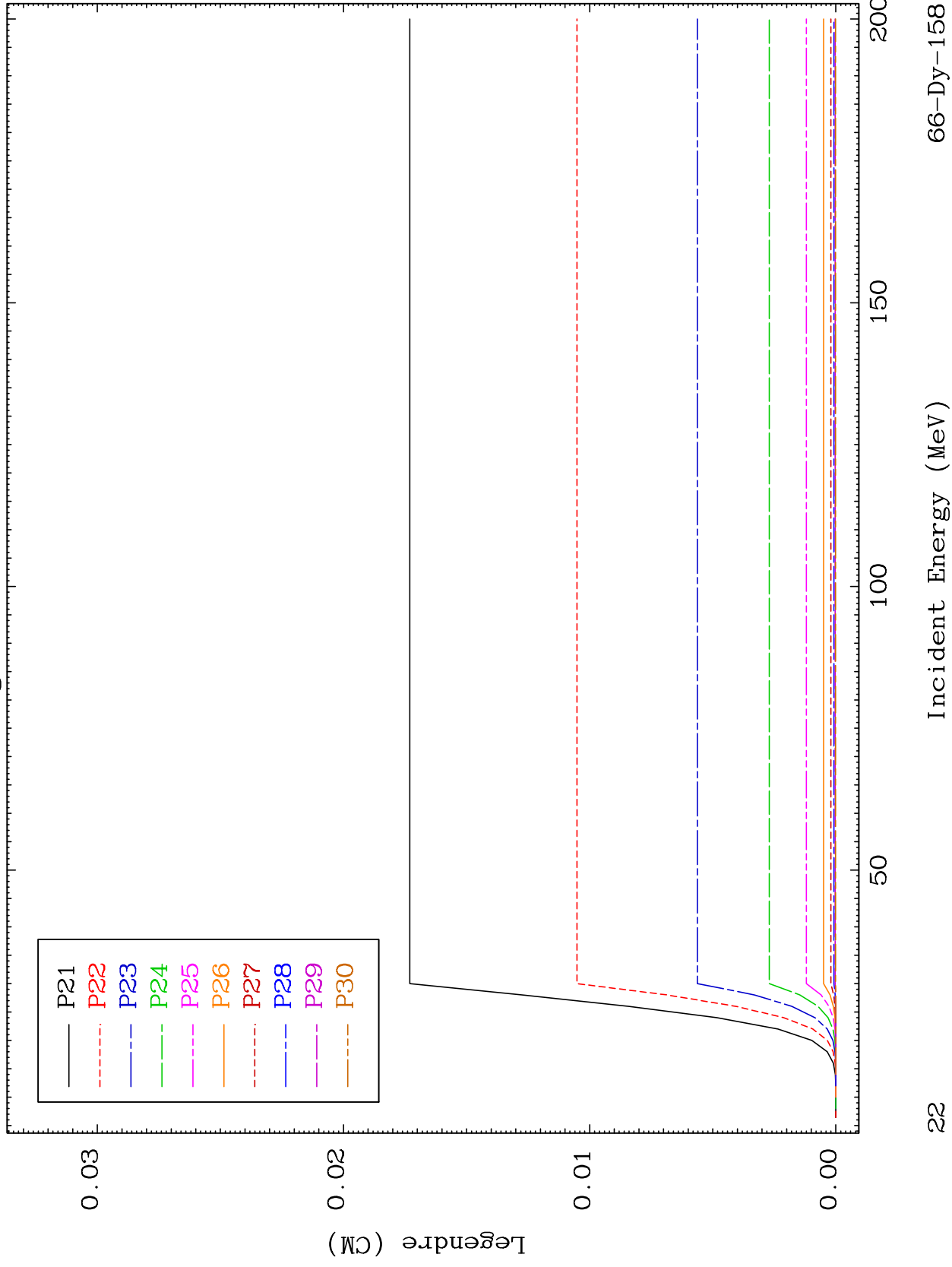
Incident Energy (MeV)

66-Dy-158

MAT 6631

98.92 keV (n,n') Level  
Legendre Coefficients

66-Dy-158



22

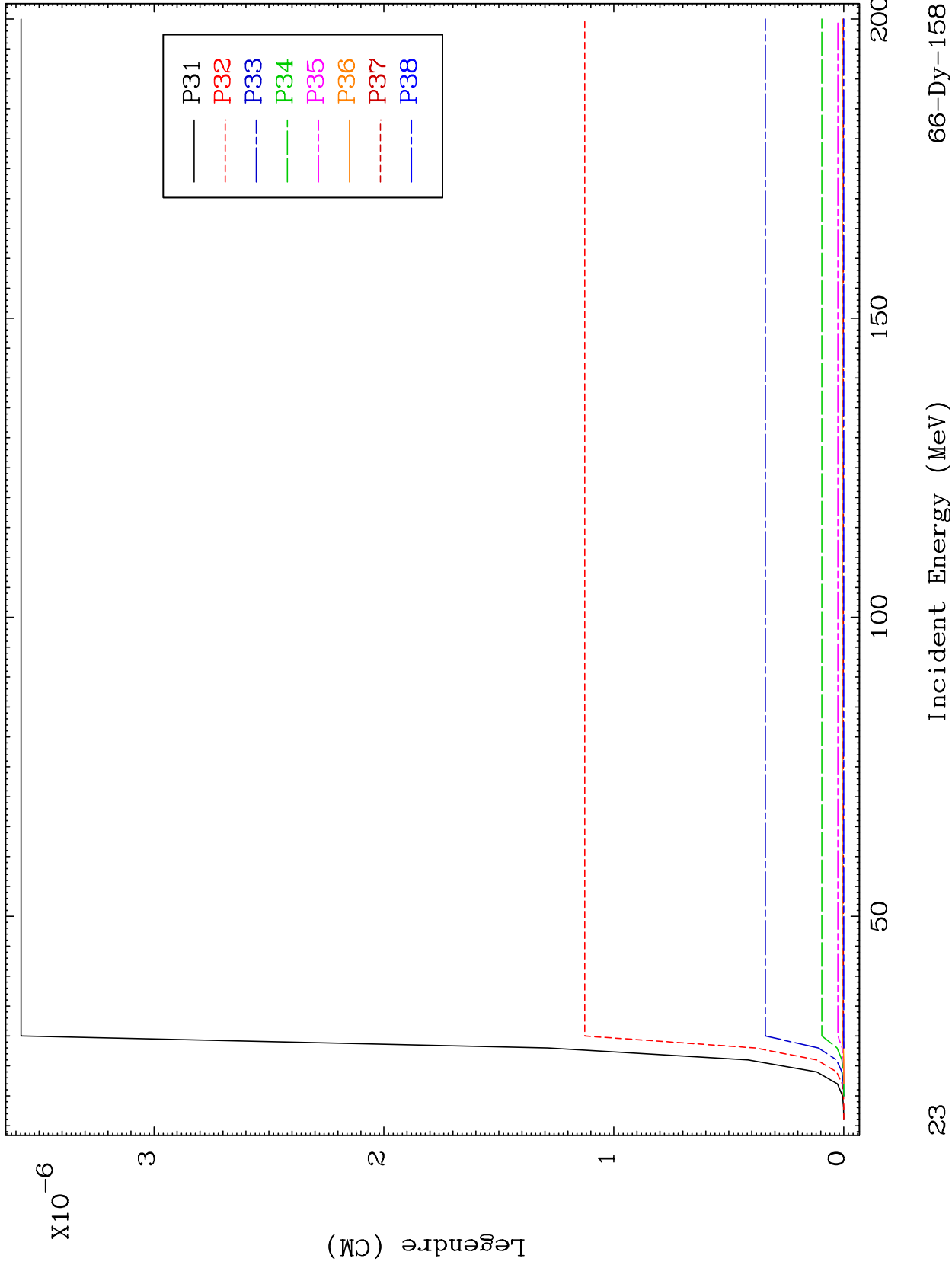
Incident Energy (MeV)

66-Dy-158

MAT 6631

98.92 keV (n,n') Level  
Legendre Coefficients

66-Dy-158

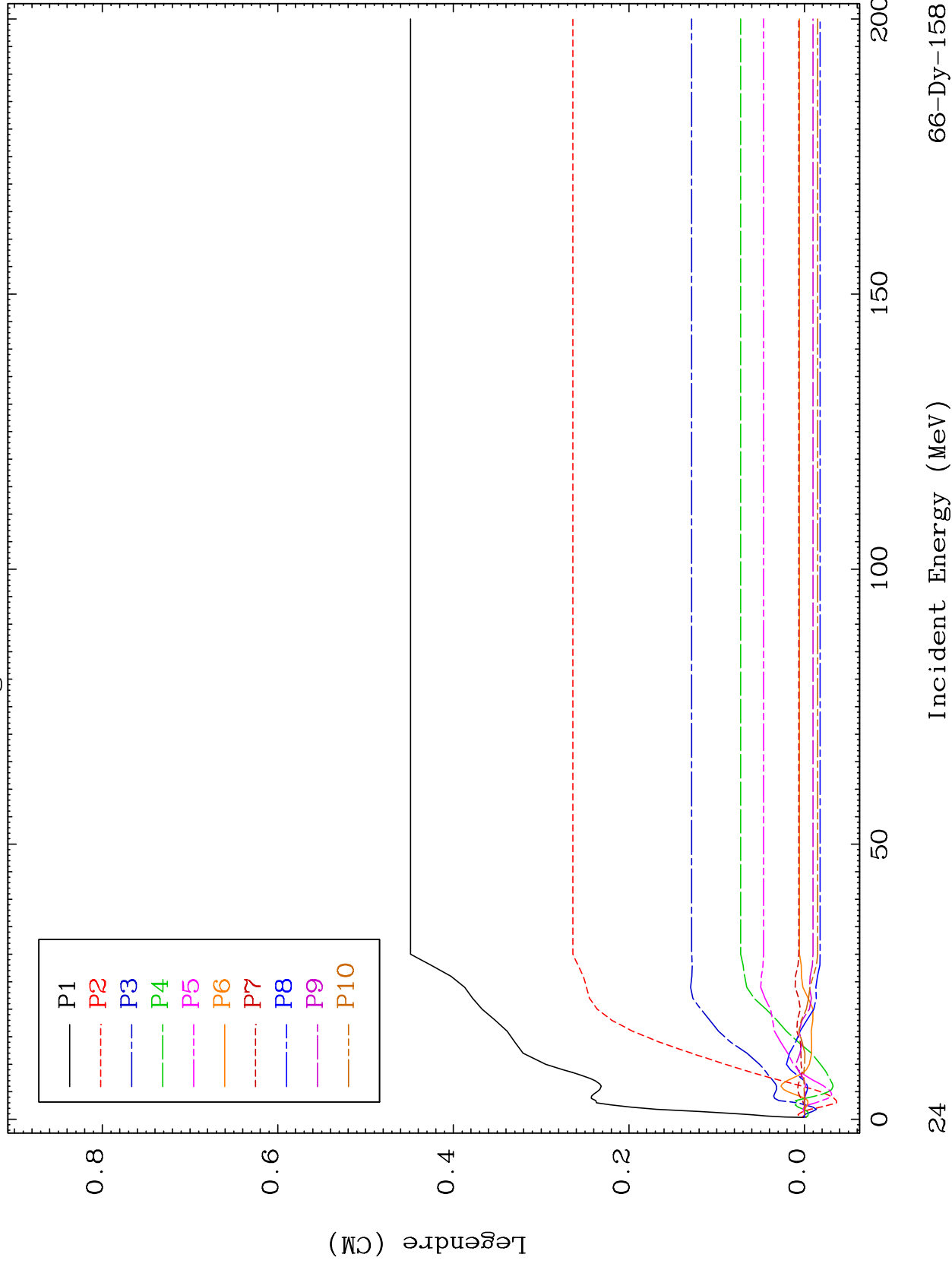




MAT 6631

317.1 keV (n,n') Level  
Legendre Coefficients

66-Dy-158



24

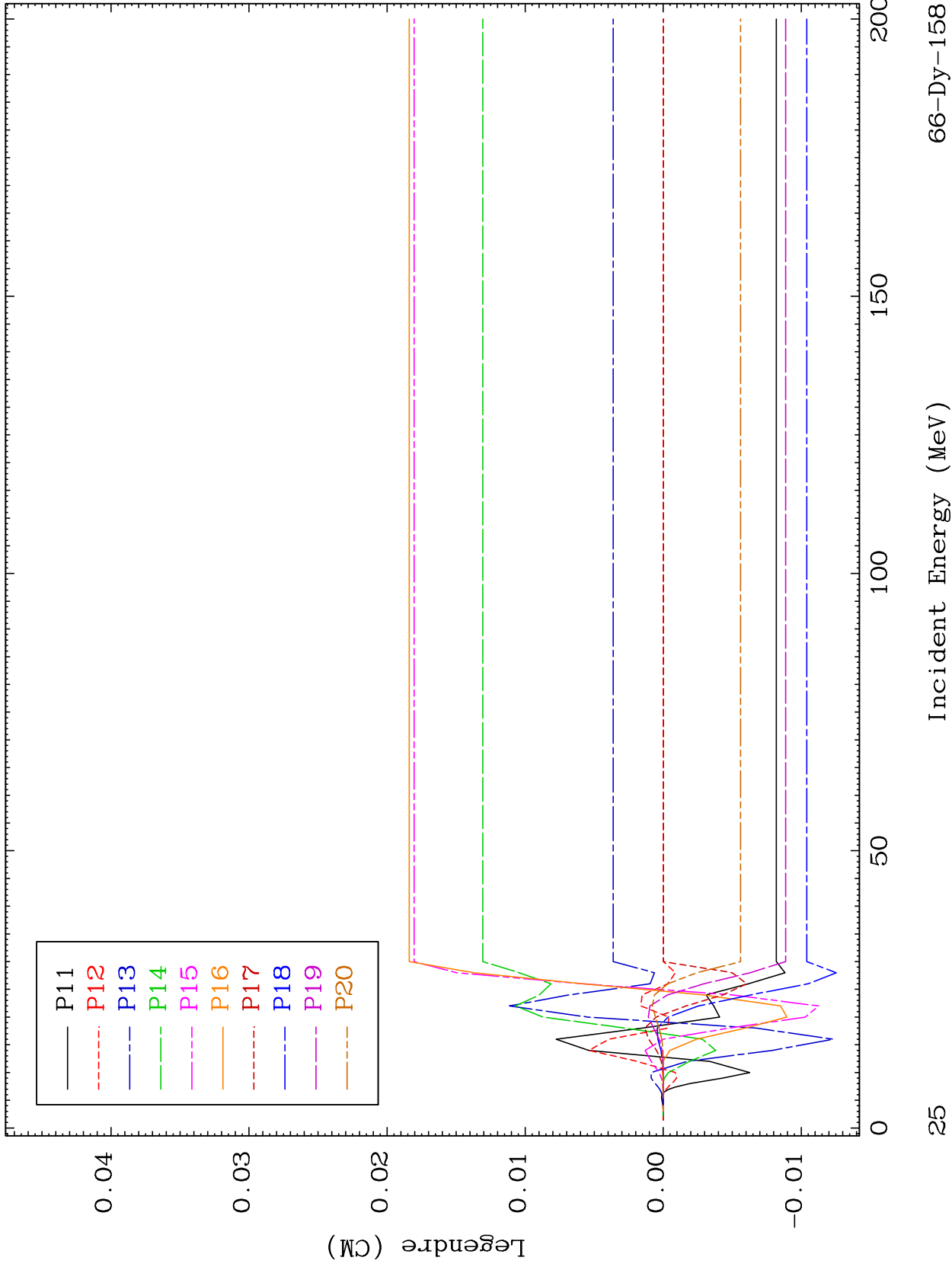
Incident Energy (MeV)

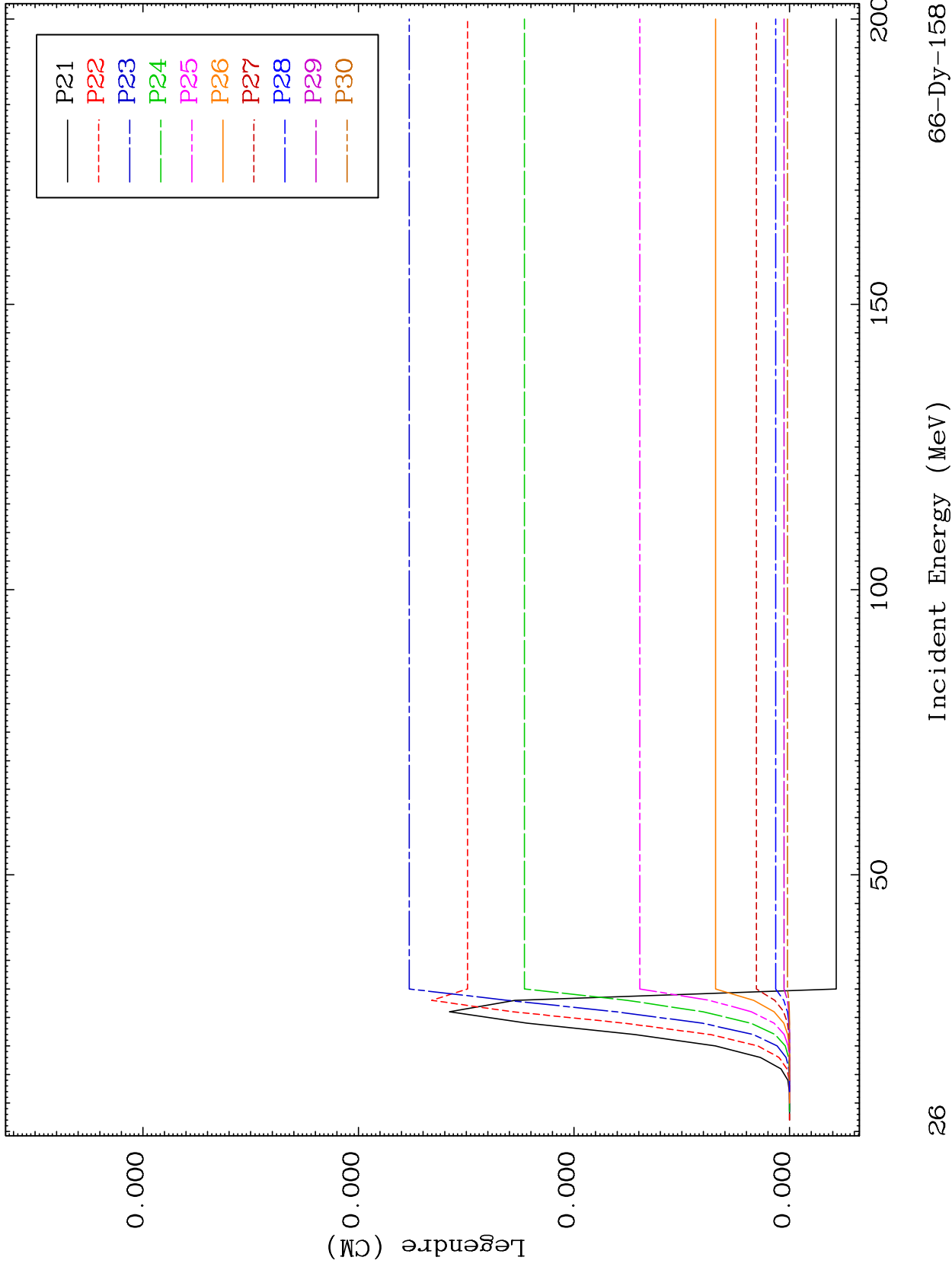
66-Dy-158

MAT 6631

317.1 keV (n,n') Level  
Legendre Coefficients

66-Dy-158

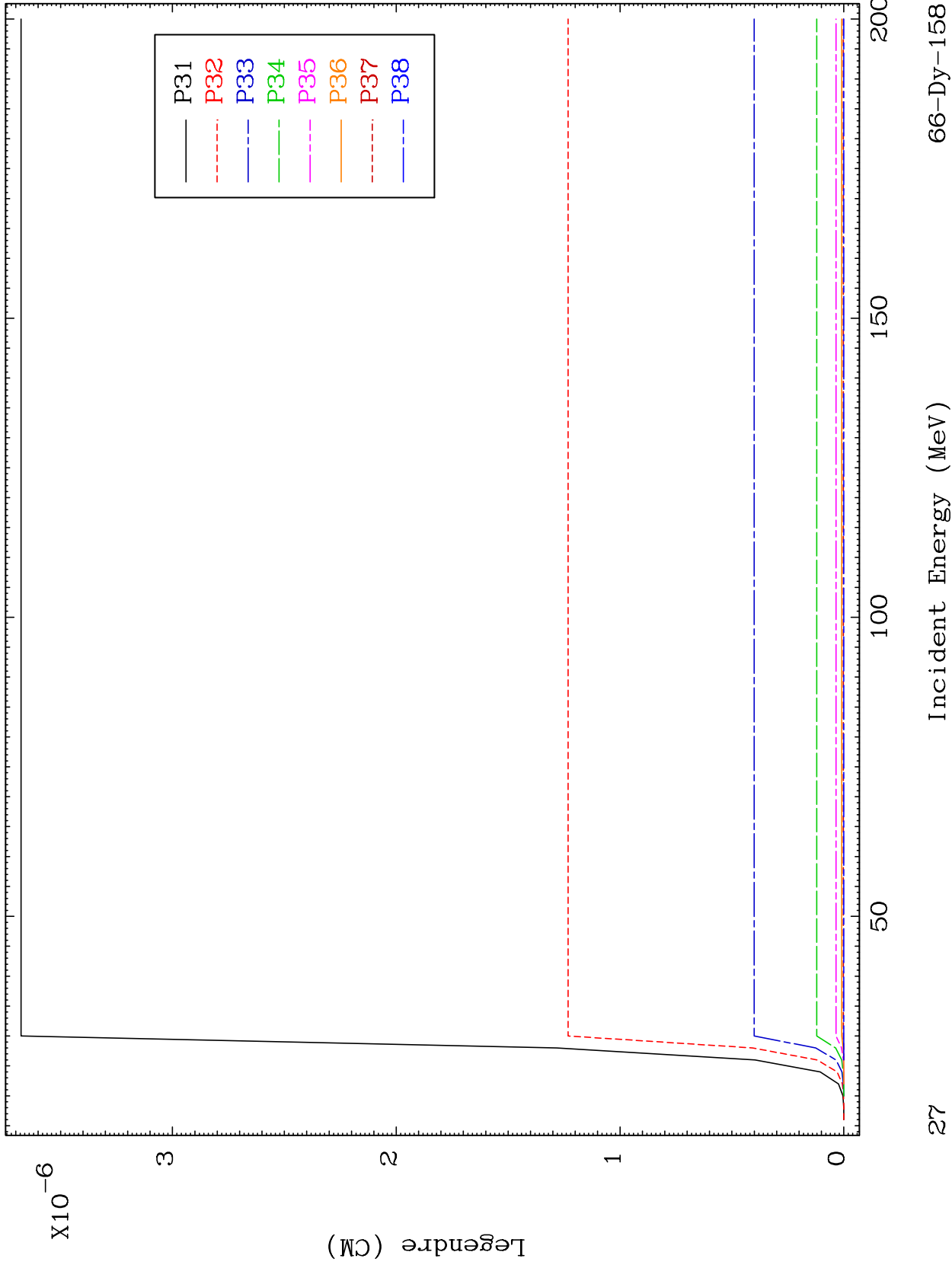


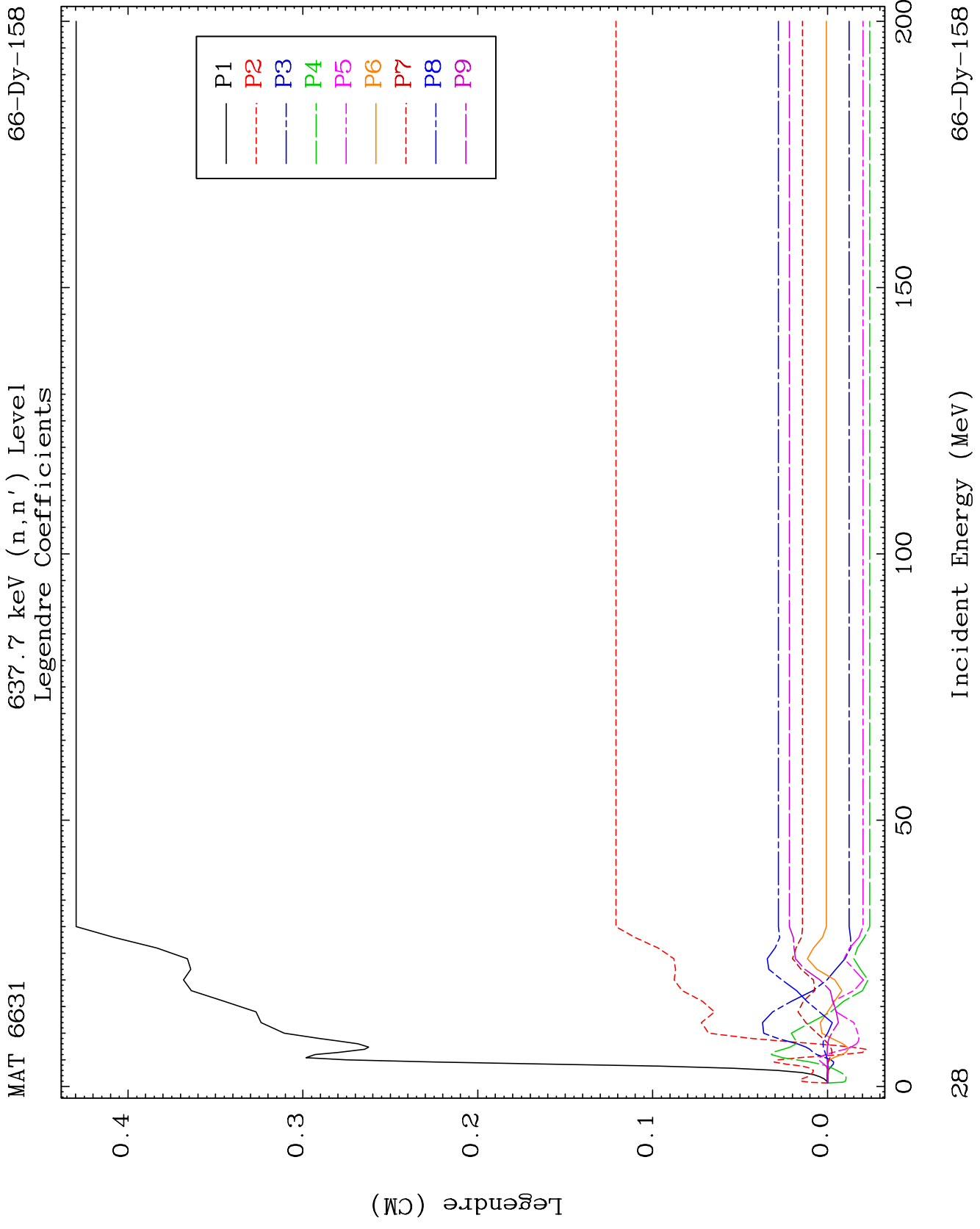


MAT 6631

317.1 keV (n,n') Level  
Legendre Coefficients

66-Dy-158

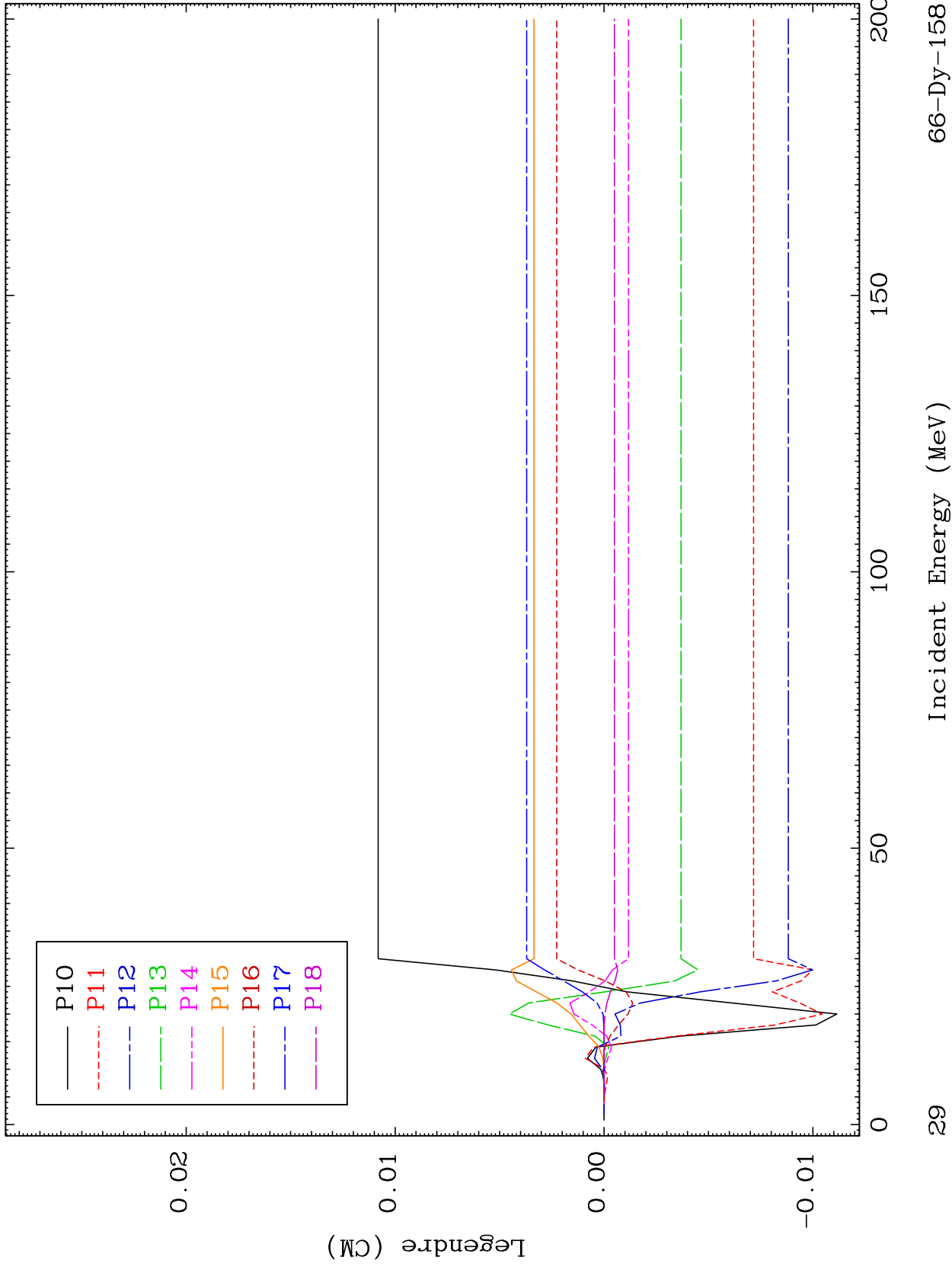




MAT 6631

637.7 keV (n,n') Level  
Legendre Coefficients

66-Dy-158



29

Incident Energy (MeV)

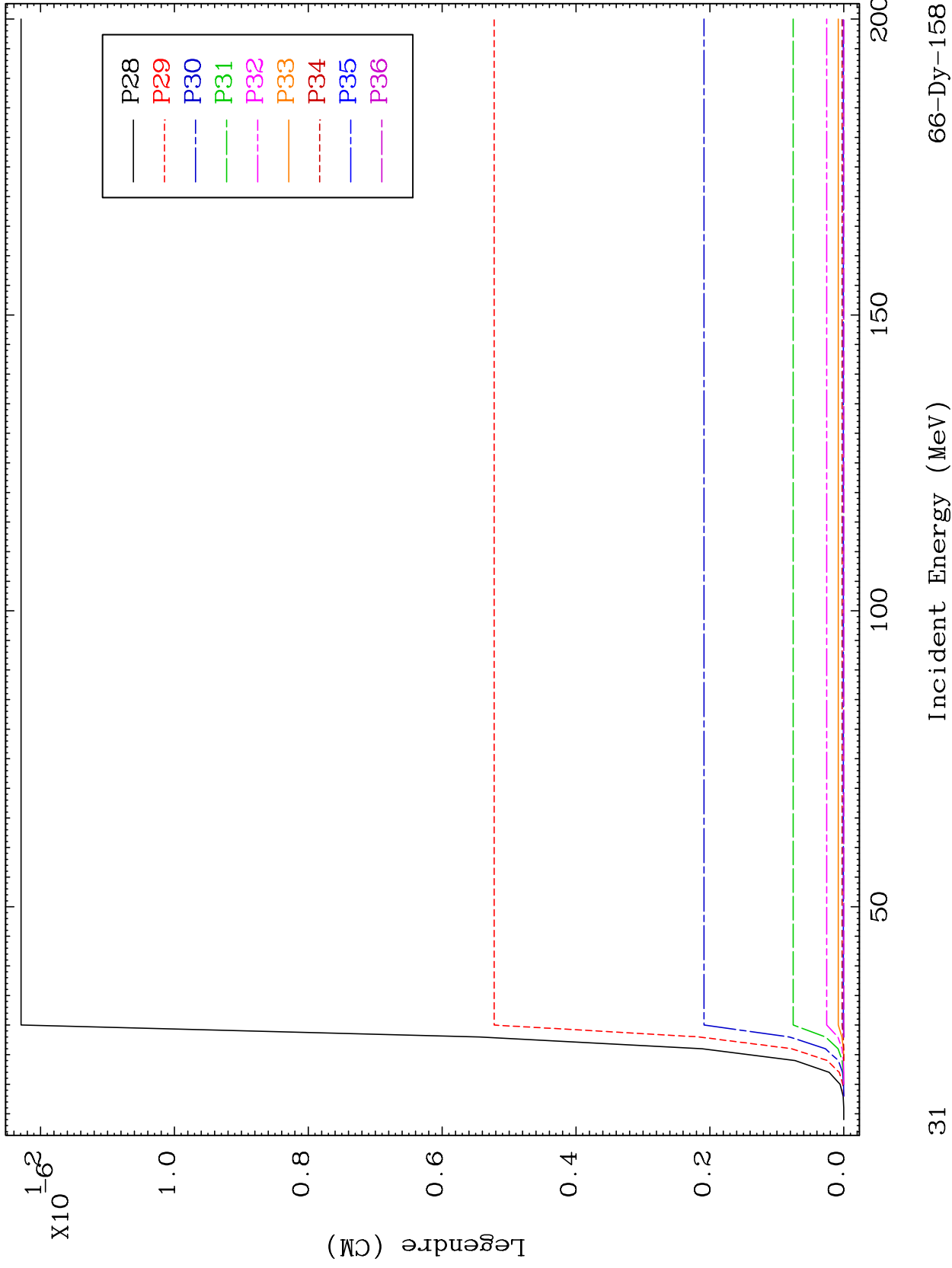
66-Dy-158



MAT 6631

637.7 keV (n,n') Level  
Legendre Coefficients

66-Dy-158



31

Incident Energy (MeV)

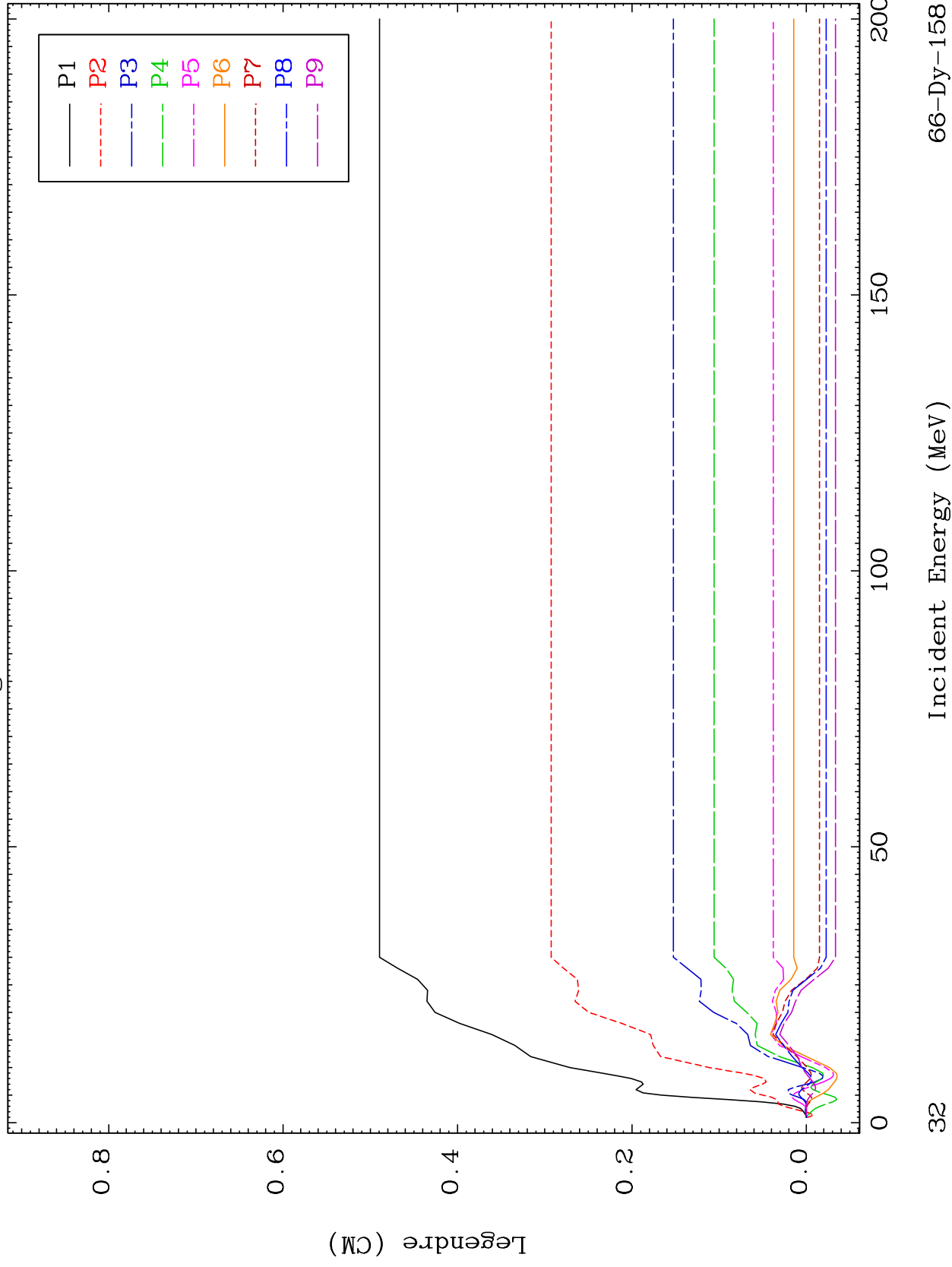
66-Dy-158



MAT 6631

946.3 keV (n,n') Level  
Legendre Coefficients

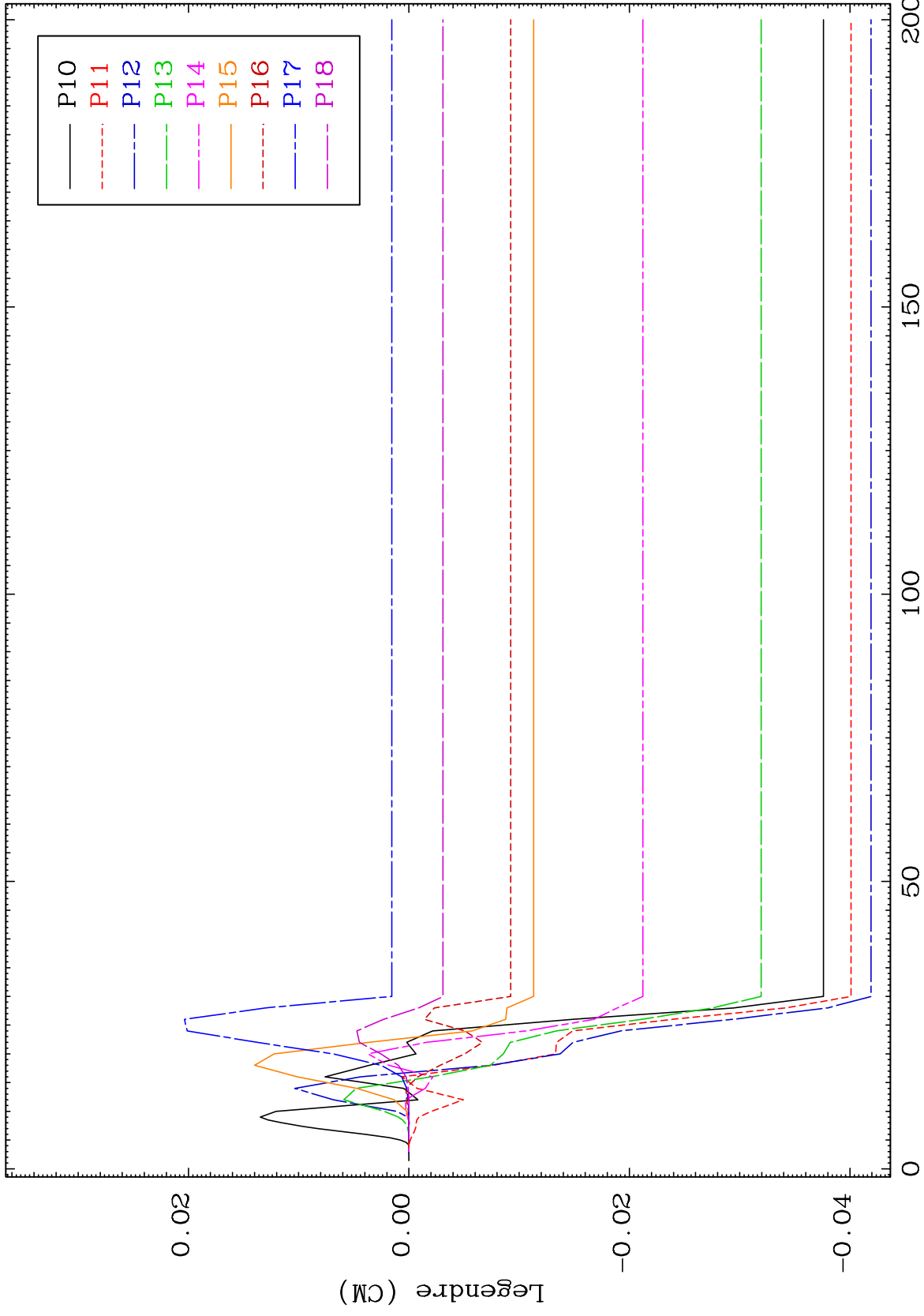
66-Dy-158



MAT 6631

946.3 keV (n,n') Level  
Legendre Coefficients

66-Dy-158



33

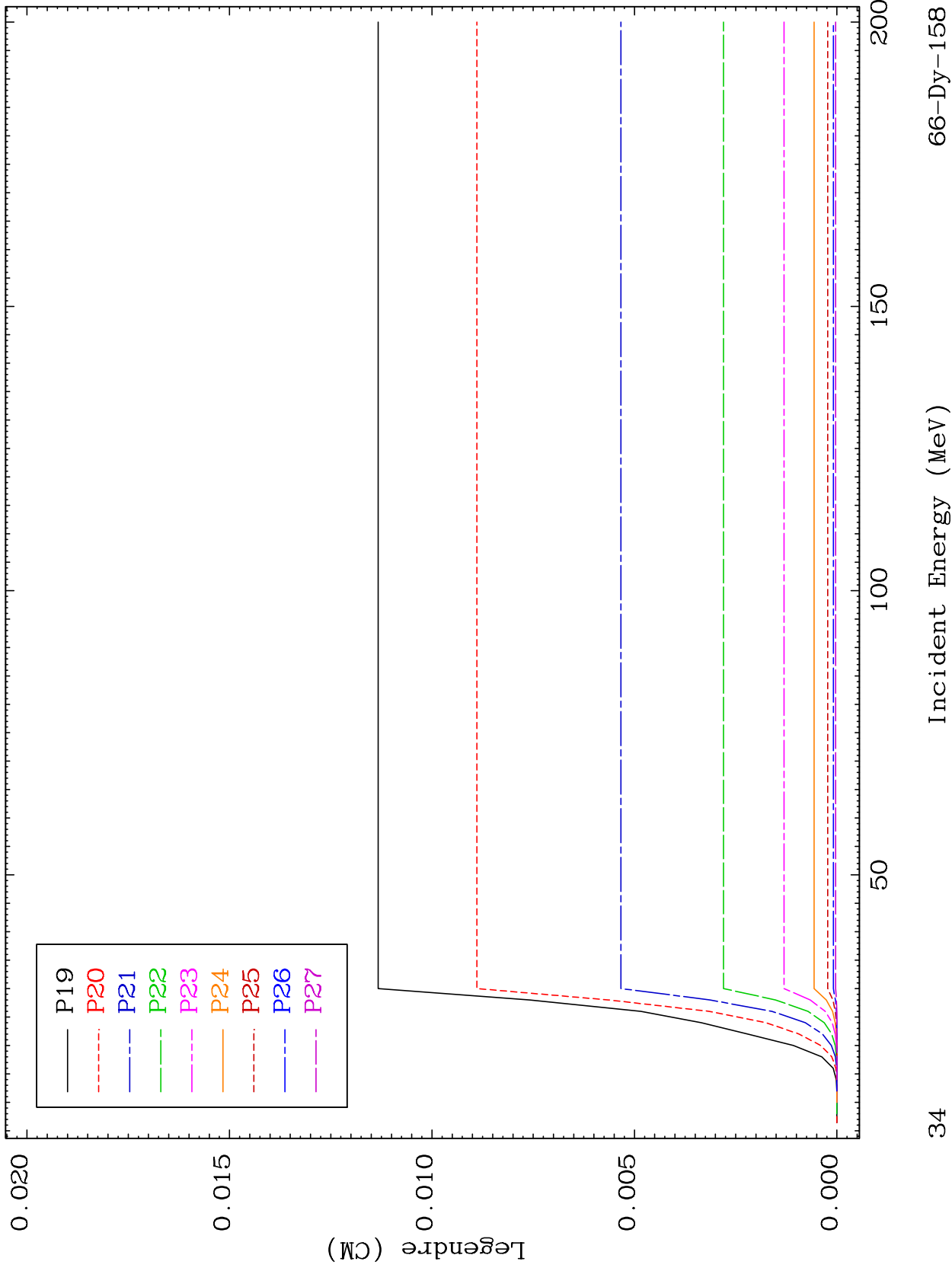
Incident Energy (MeV)

66-Dy-158

MAT 6631

946.3 keV (n,n') Level  
Legendre Coefficients

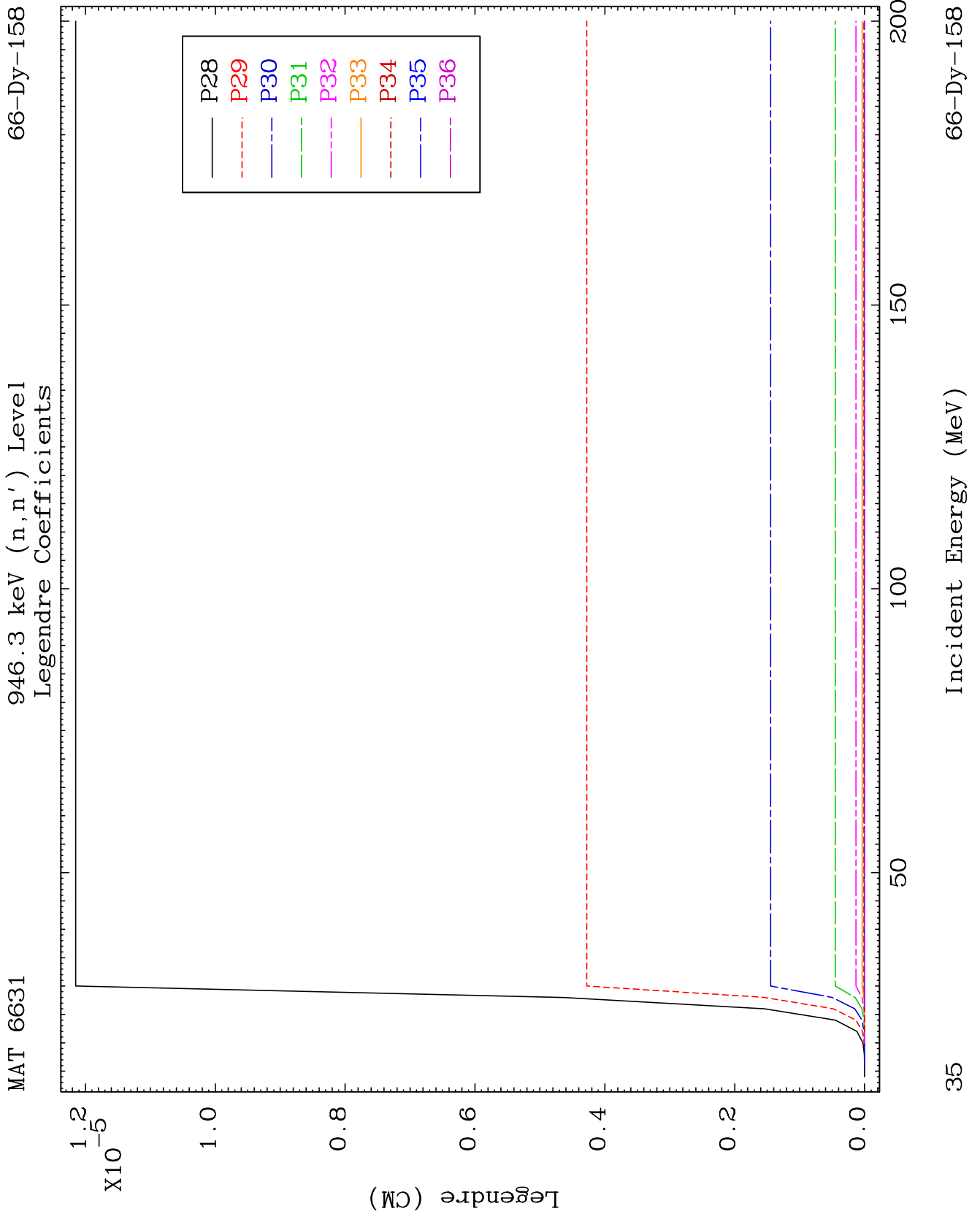
66-Dy-158

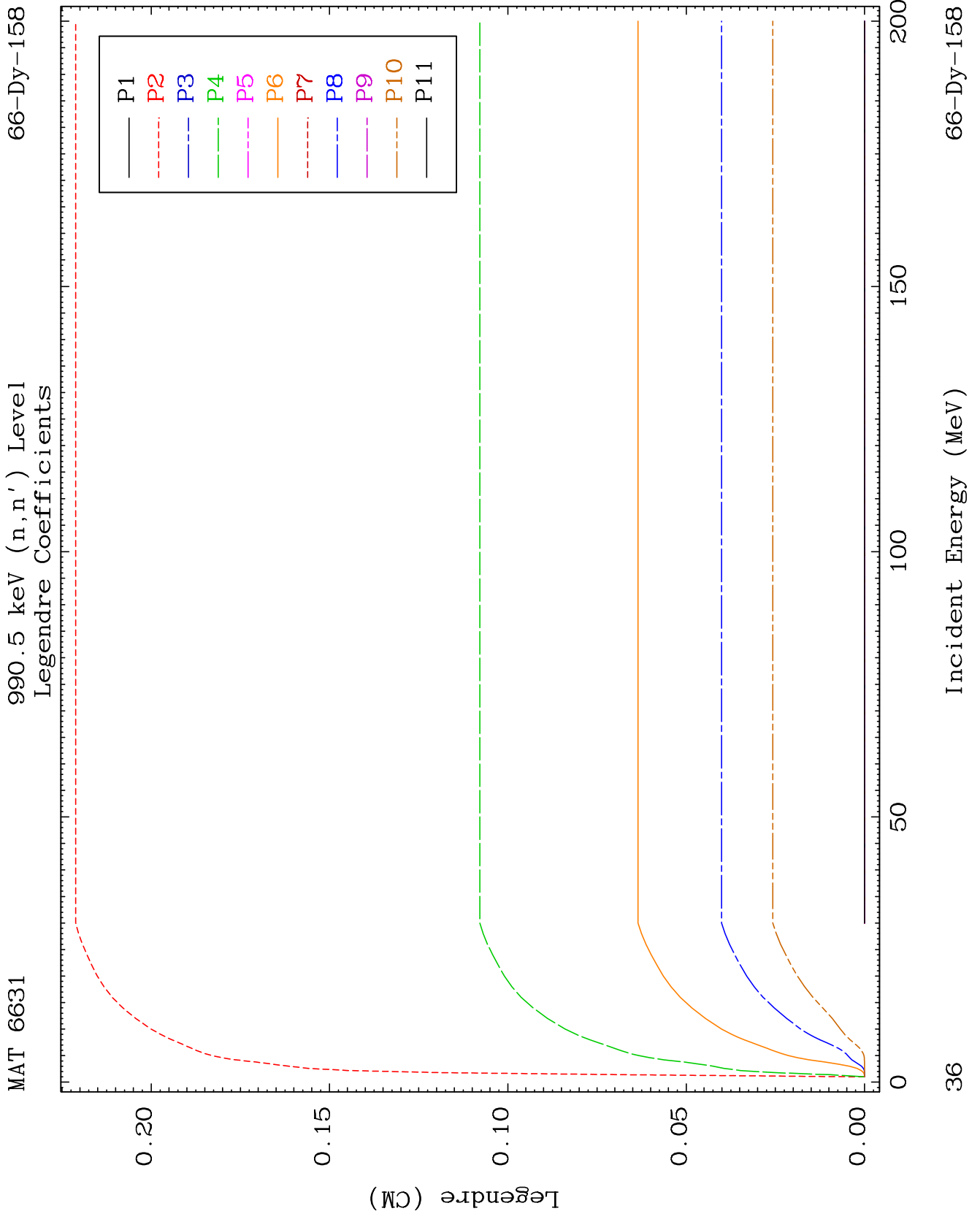


34

Incident Energy (MeV)

66-Dy-158

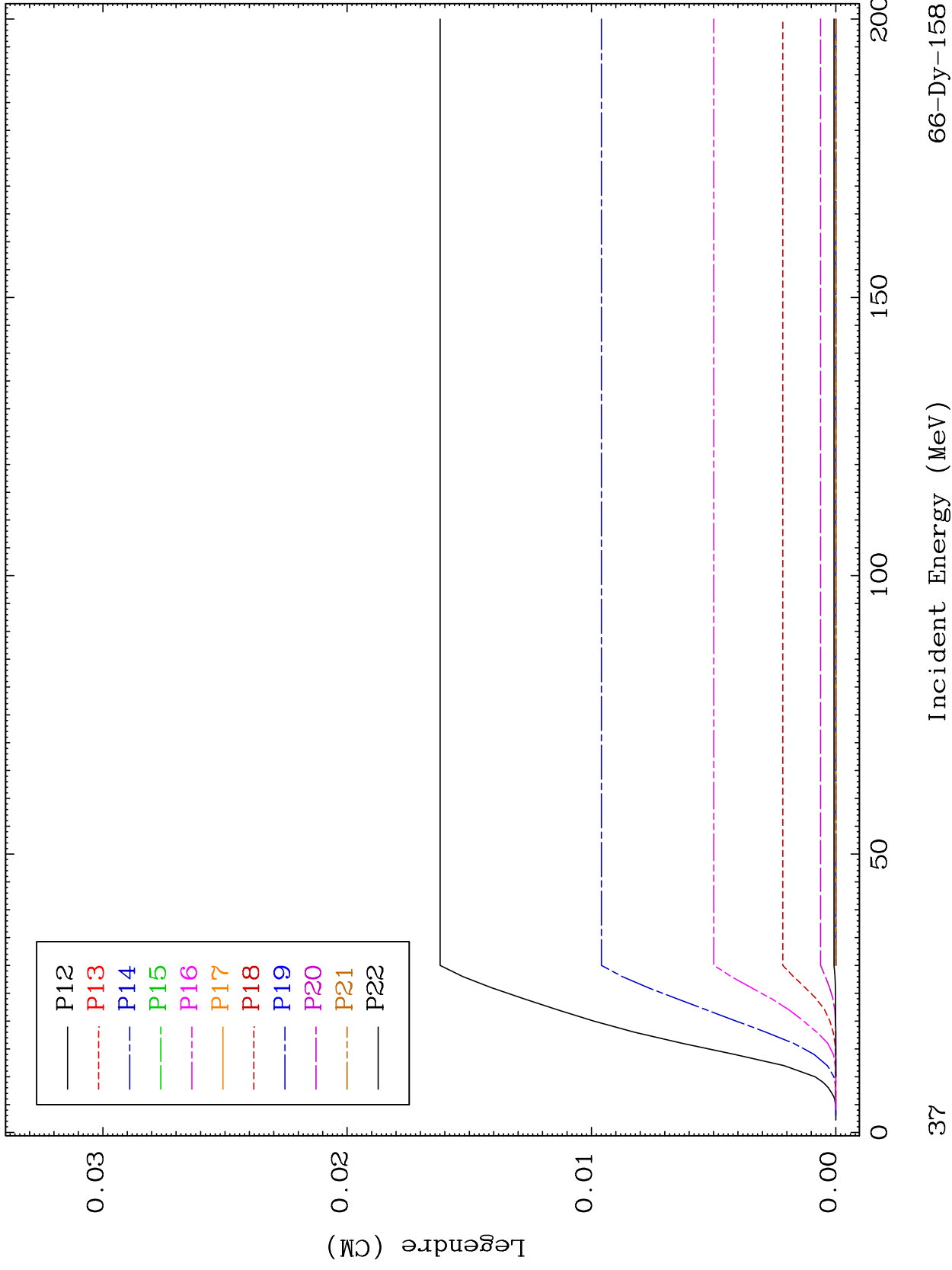




MAT 6631

990.5 keV (n,n') Level  
Legendre Coefficients

66-Dy-158

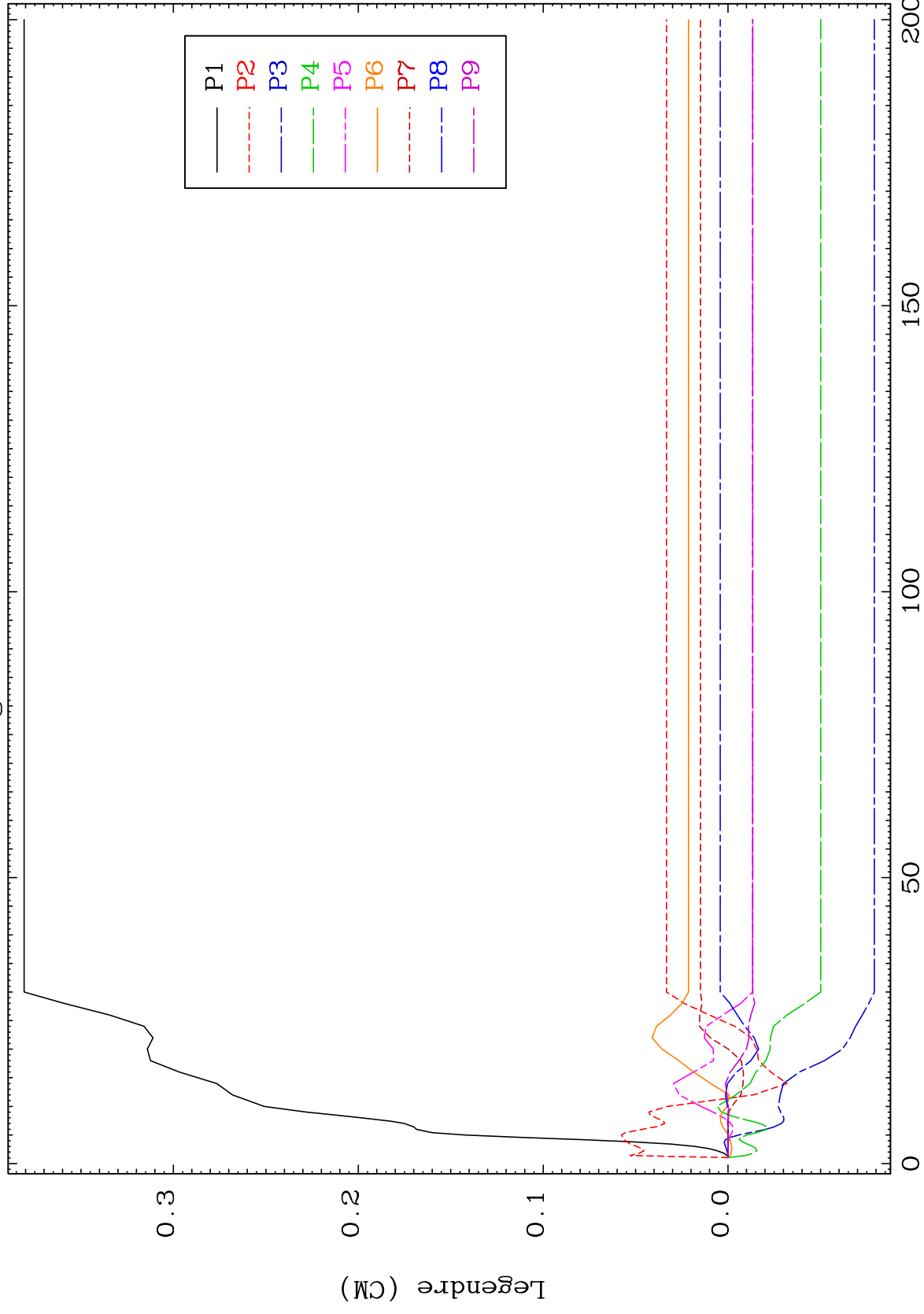




MAT 6631

1.044 MeV (n,n') Level  
Legendre Coefficients

66-Dy-158



39

Incident Energy (MeV)

66-Dy-158

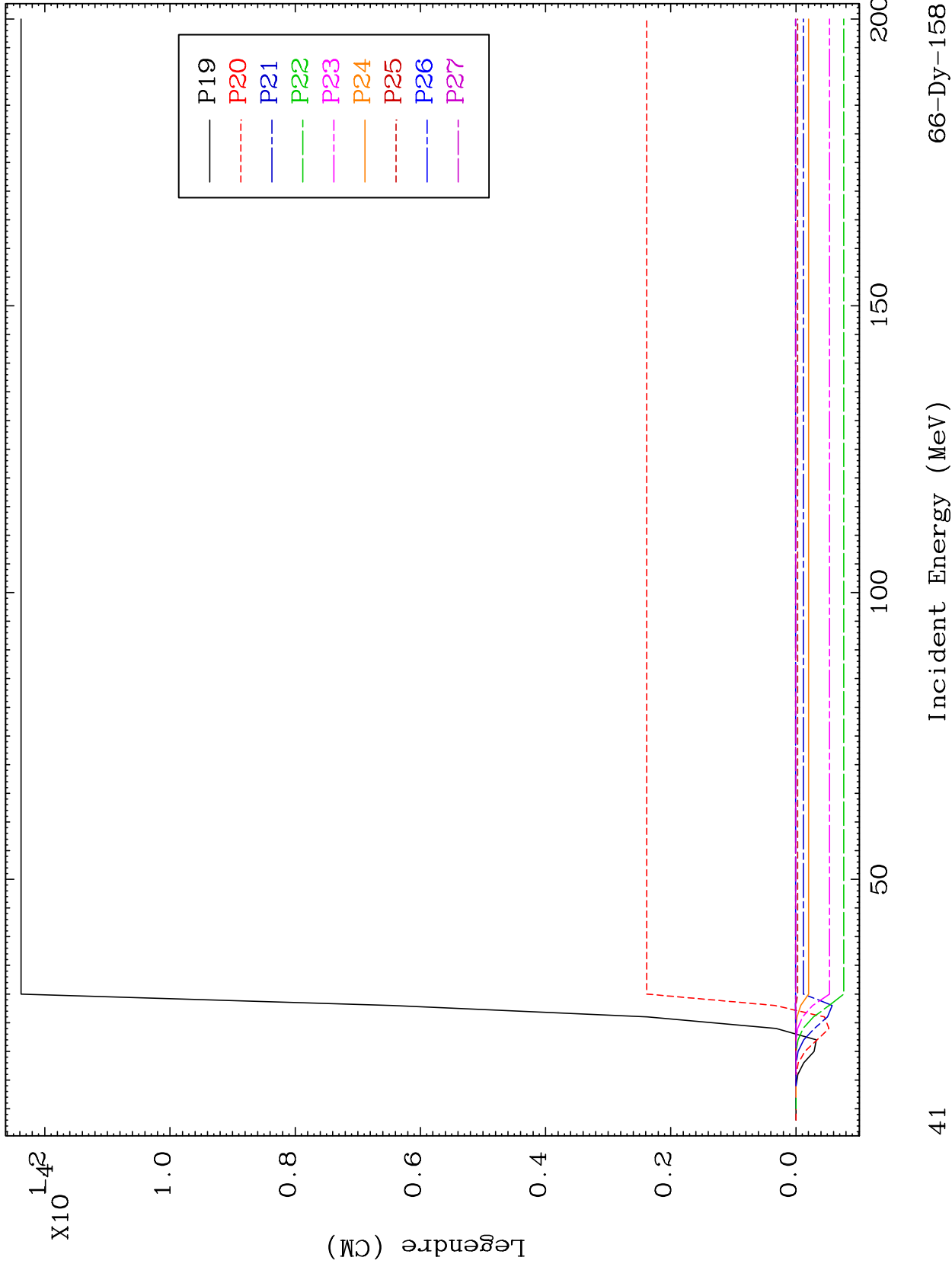




MAT 6631

1.044 MeV (n,n') Level  
Legendre Coefficients

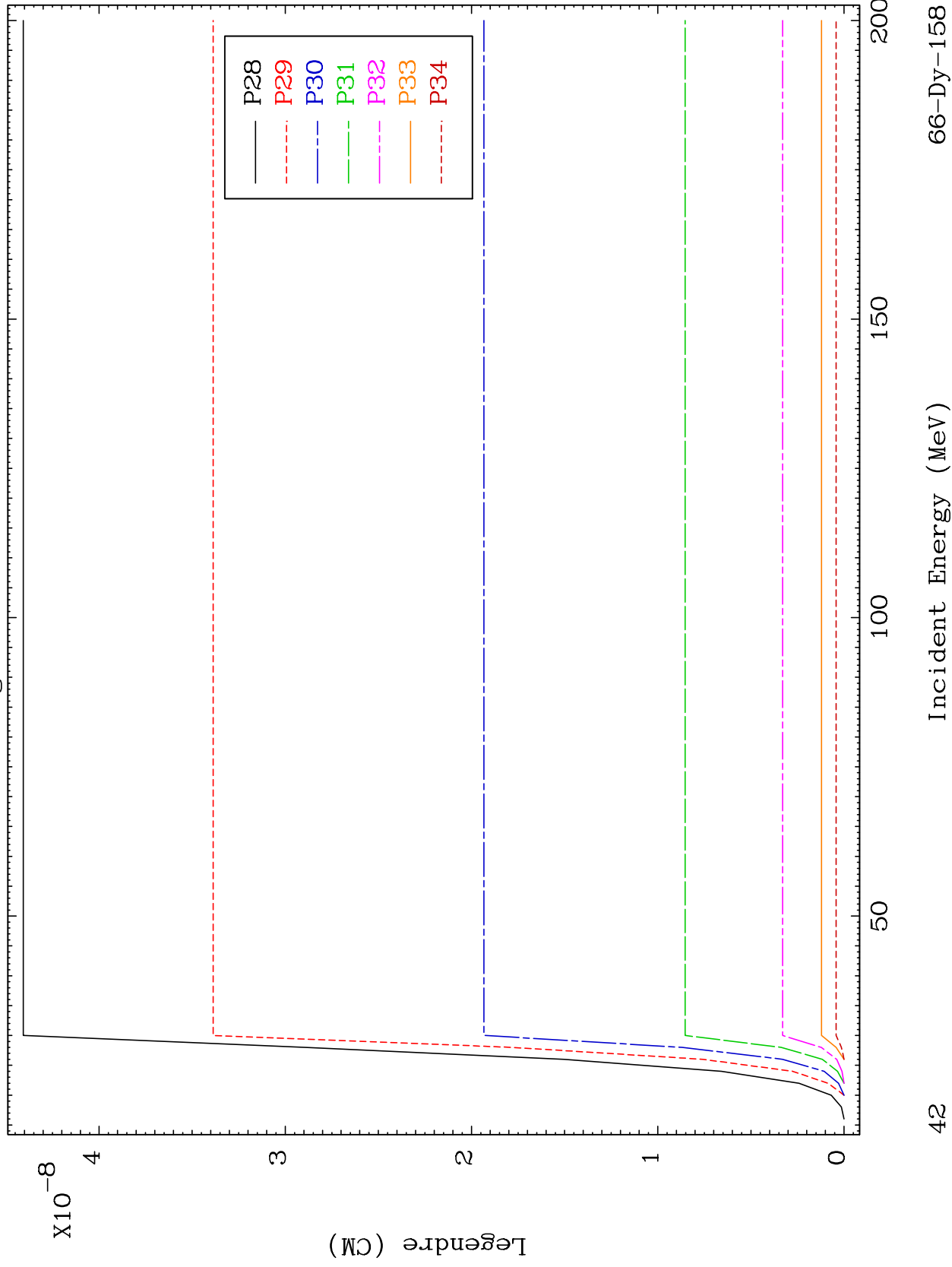
66-Dy-158



MAT 6631

1.044 MeV (n,n') Level  
Legendre Coefficients

66-Dy-158

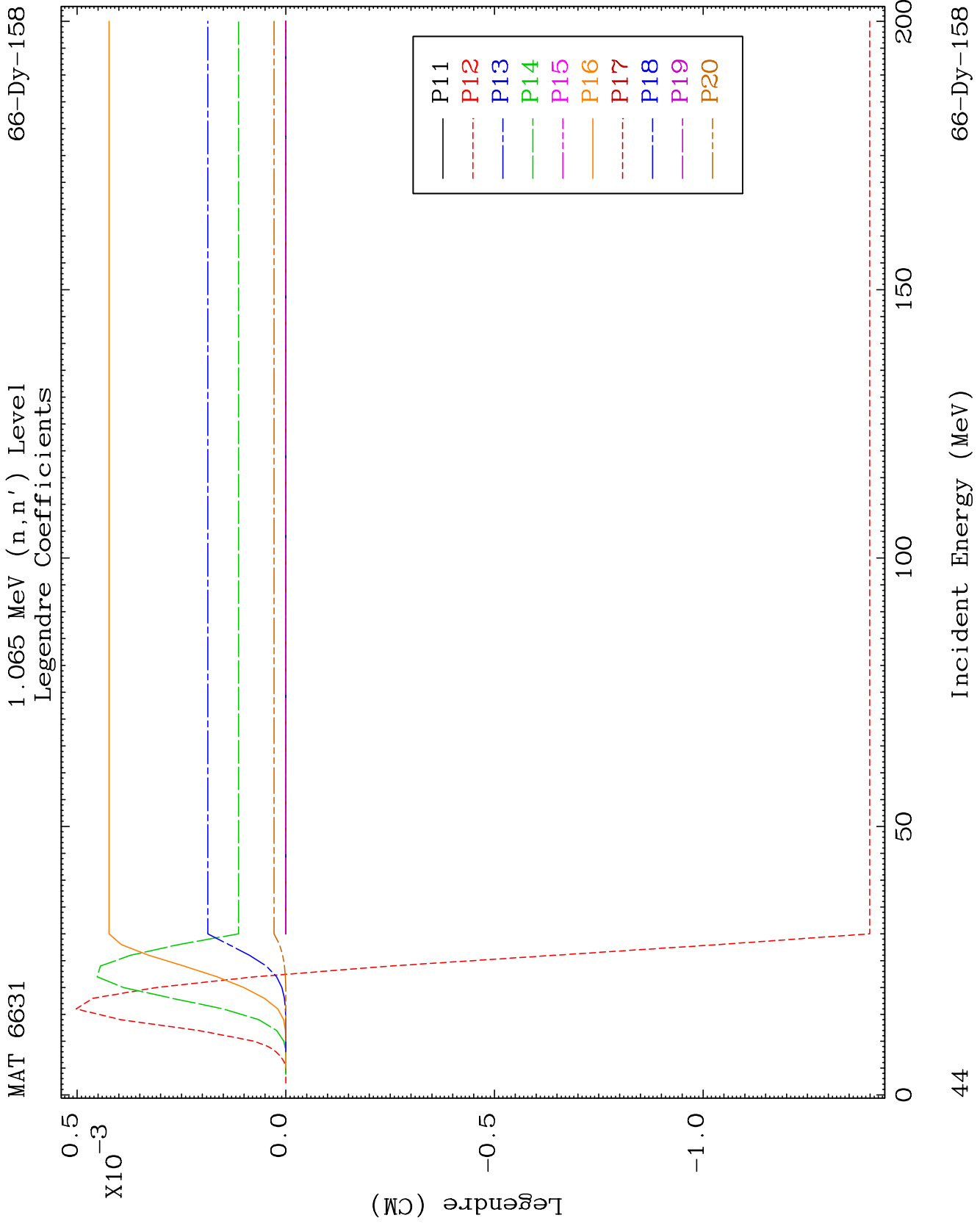


42

Incident Energy (MeV)

66-Dy-158



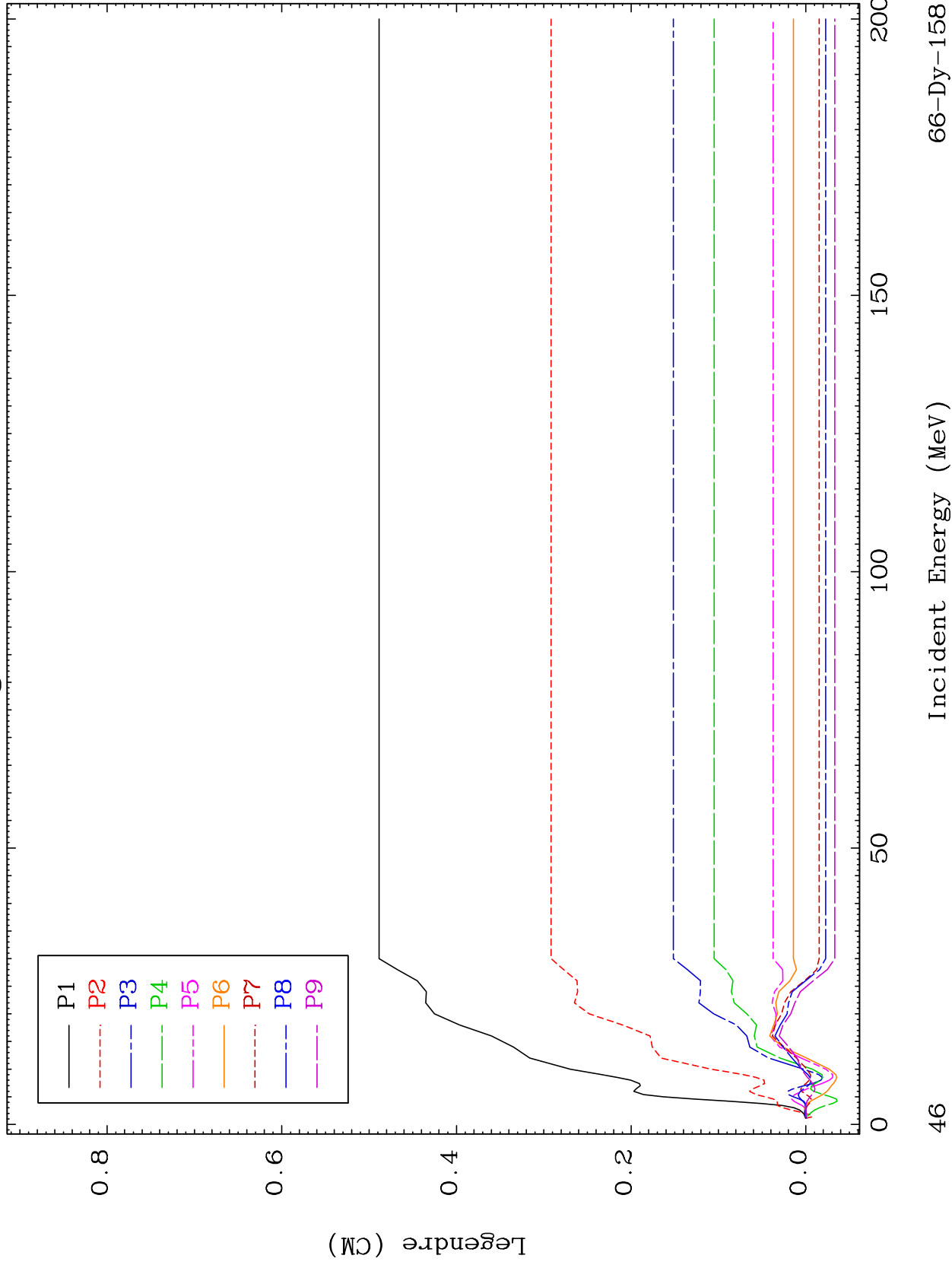




MAT 6631

1.086 MeV (n,n') Level  
Legendre Coefficients

66-Dy-158



66-Dy-158

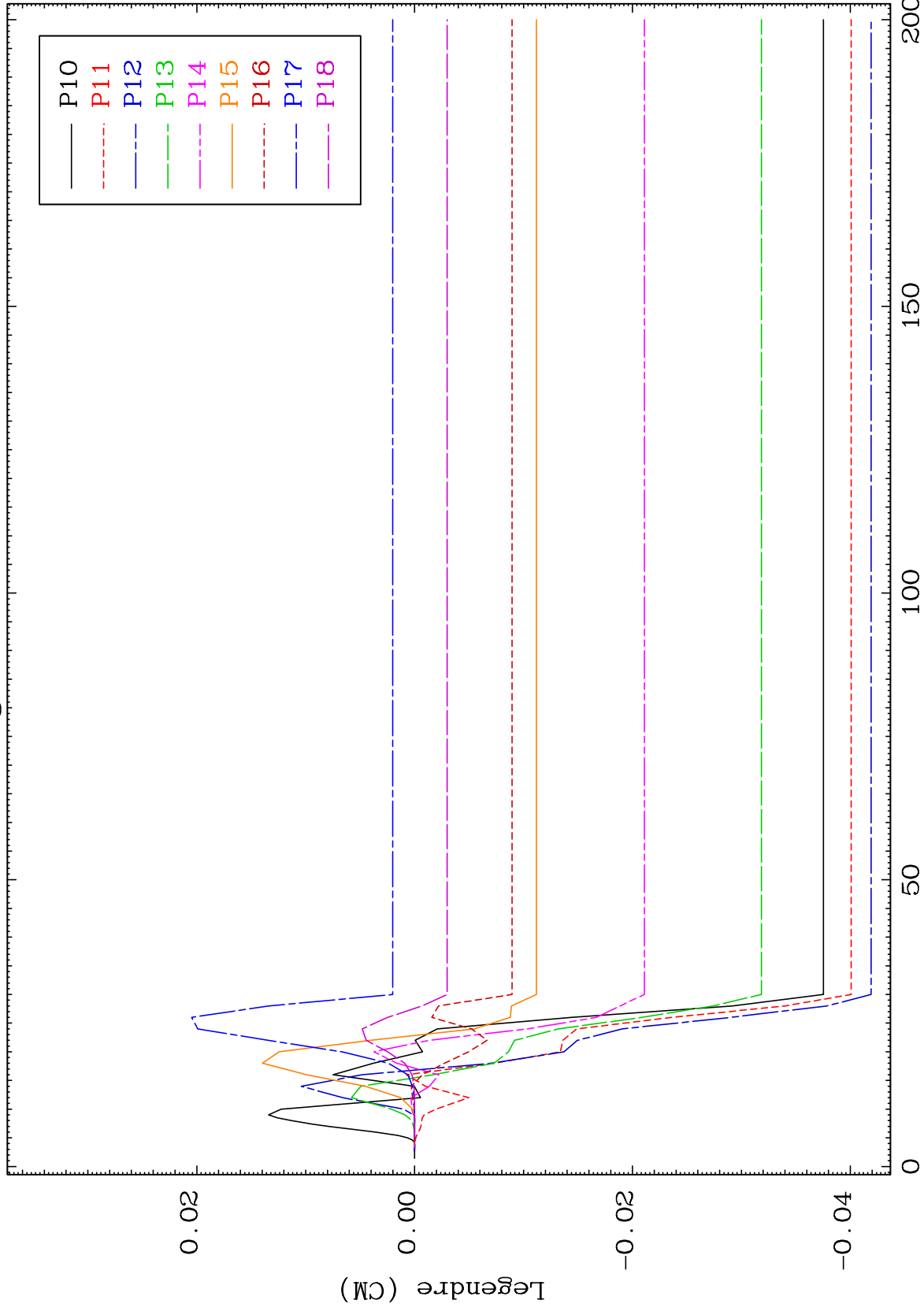
Incident Energy (MeV)

46

MAT 6631

1.086 MeV (n,n') Level  
Legendre Coefficients

66-Dy-158



47

Incident Energy (MeV)

66-Dy-158

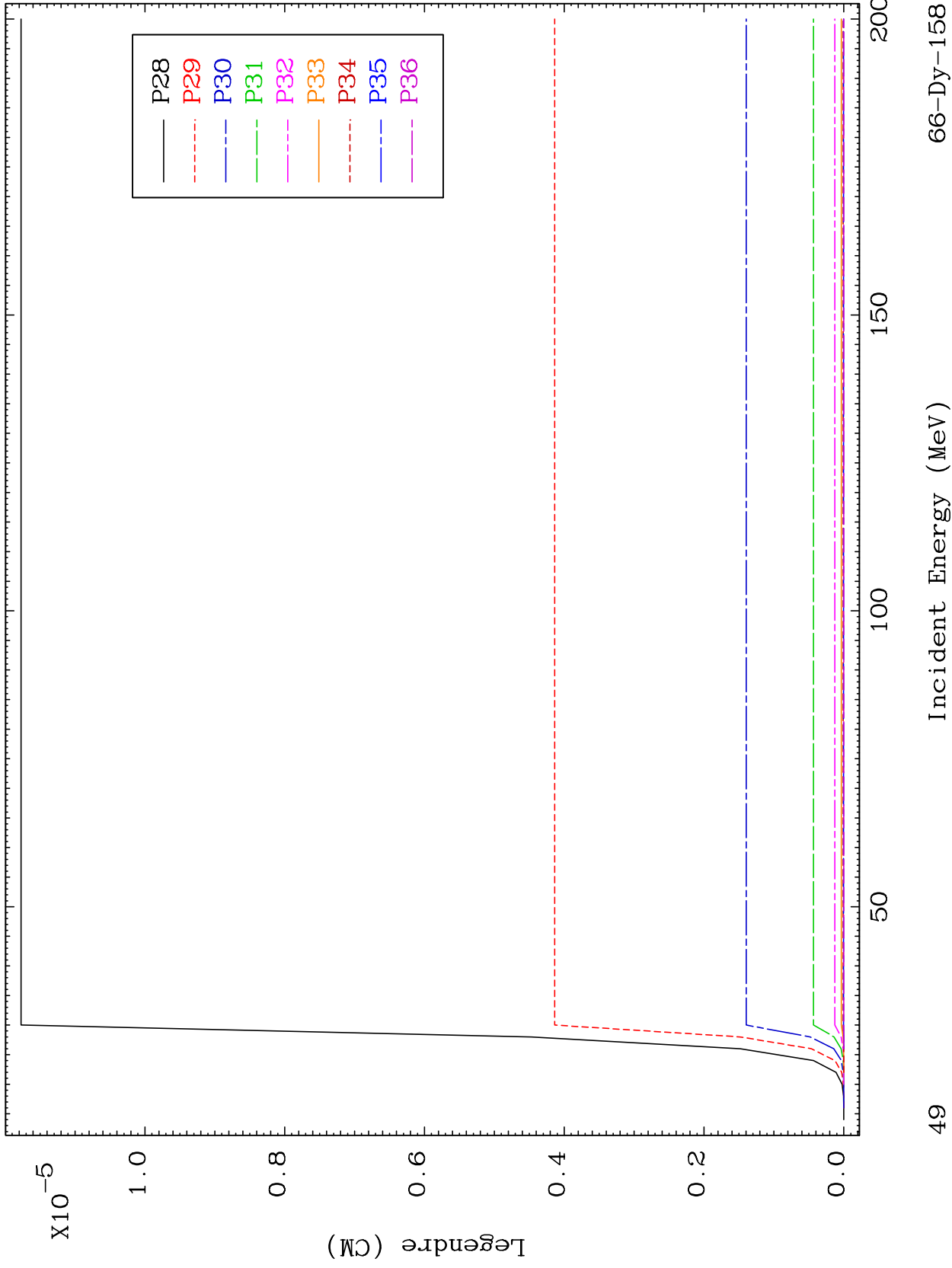




MAT 6631

1.086 MeV (n,n') Level  
Legendre Coefficients

66-Dy-158

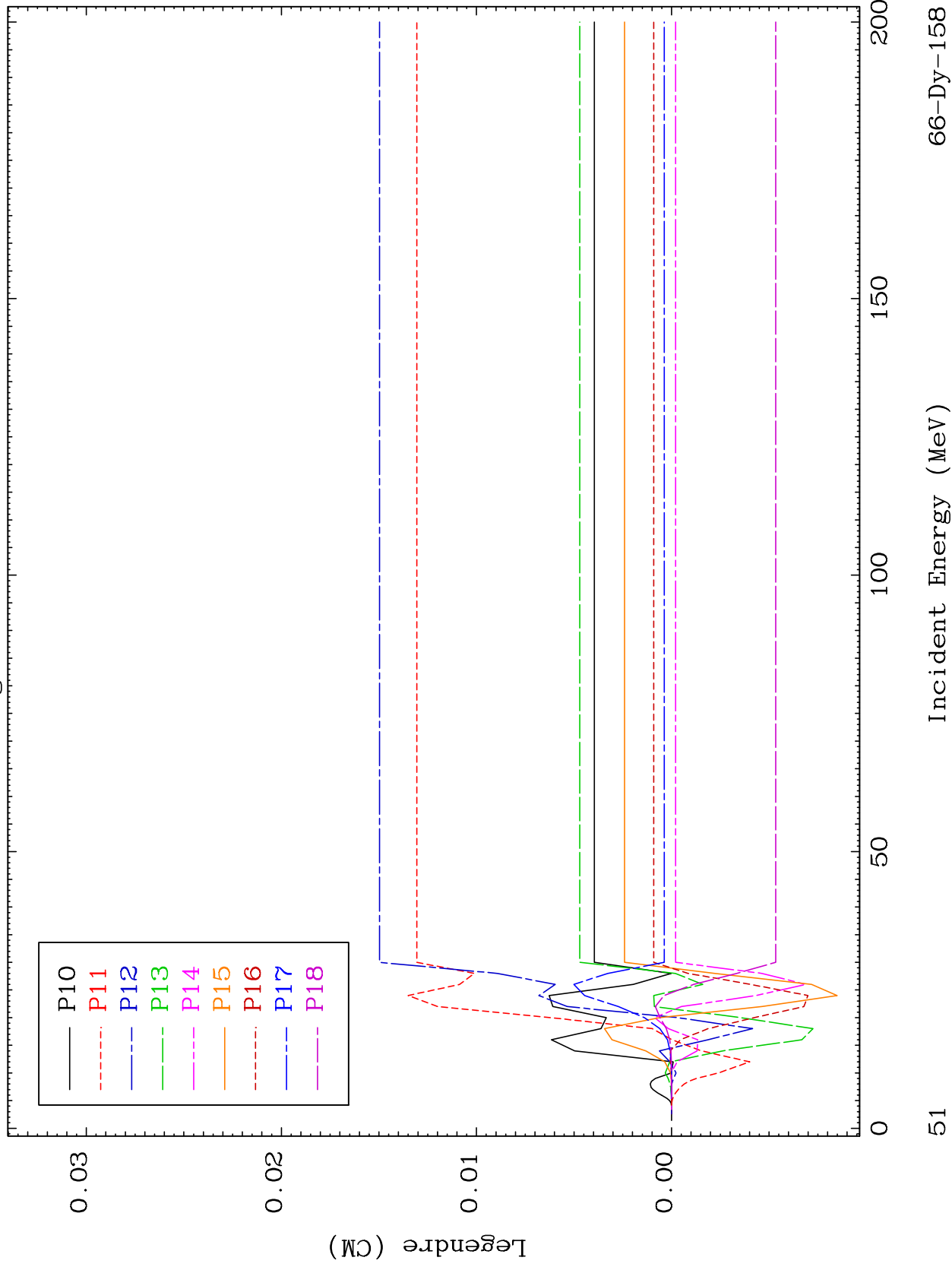




MAT 6631

1.164 MeV (n,n') Level  
Legendre Coefficients

66-Dy-158



51

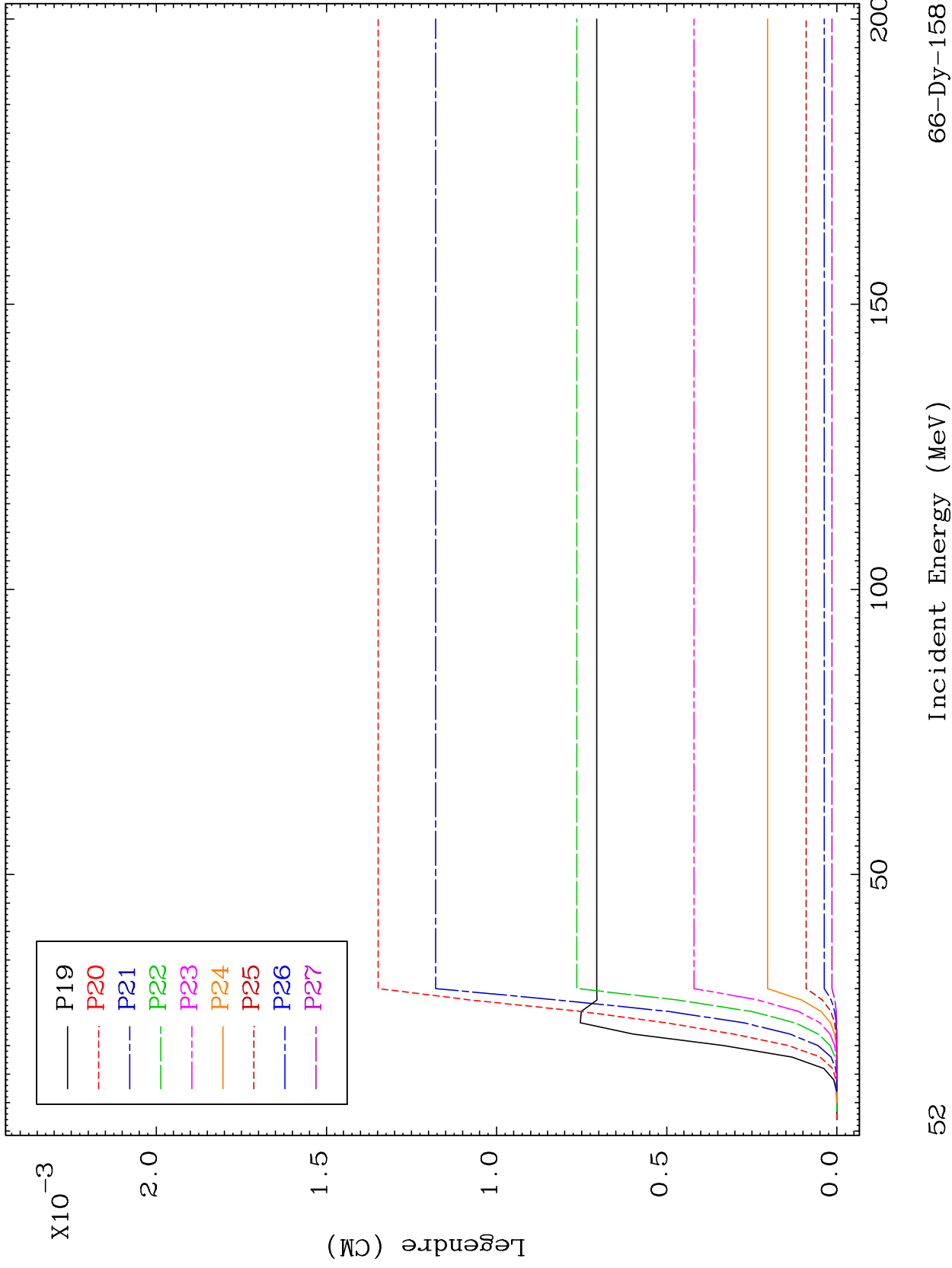
Incident Energy (MeV)

66-Dy-158

MAT 6631

1.164 MeV (n,n') Level  
Legendre Coefficients

66-Dy-158



52

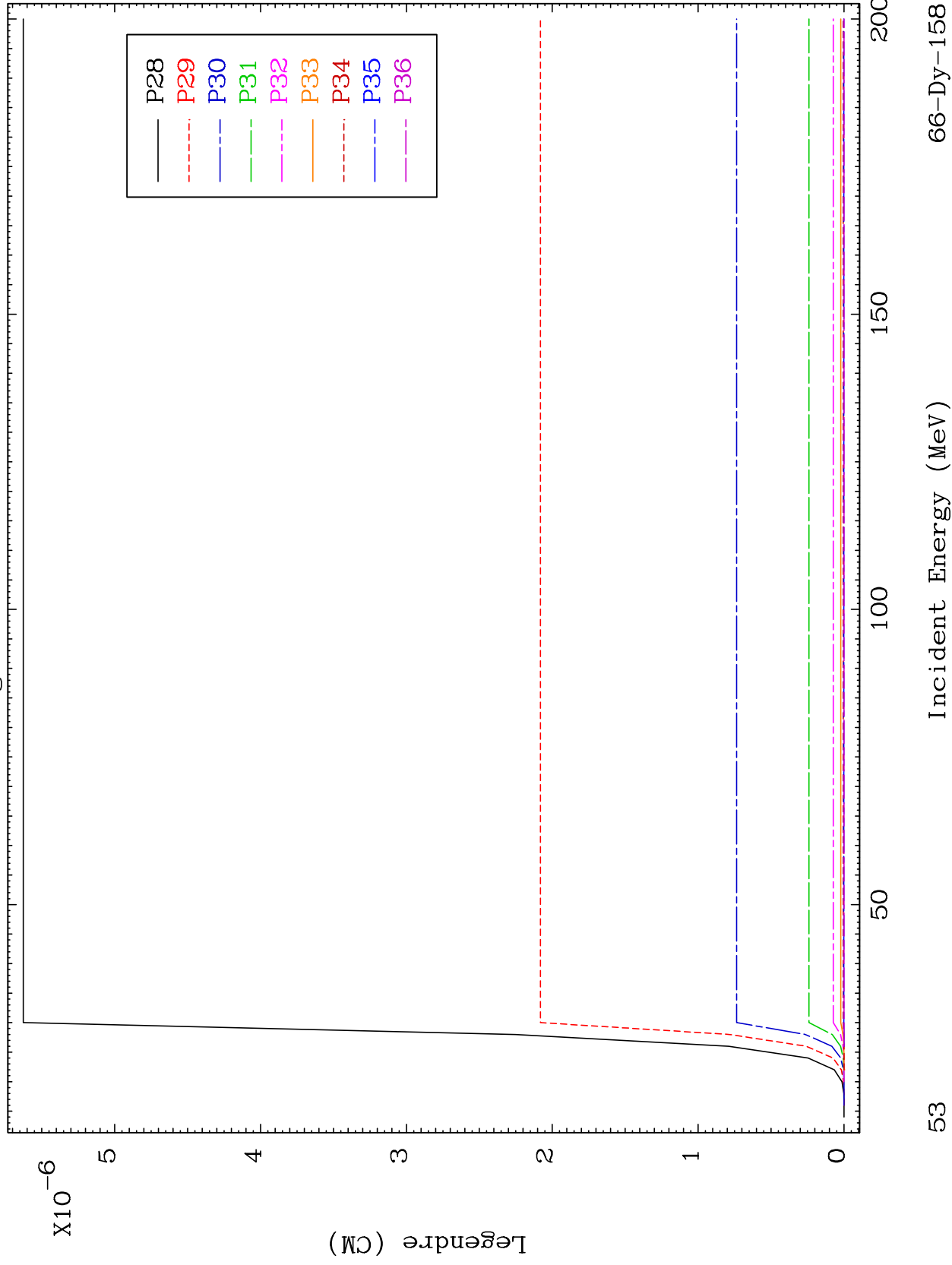
Incident Energy (MeV)

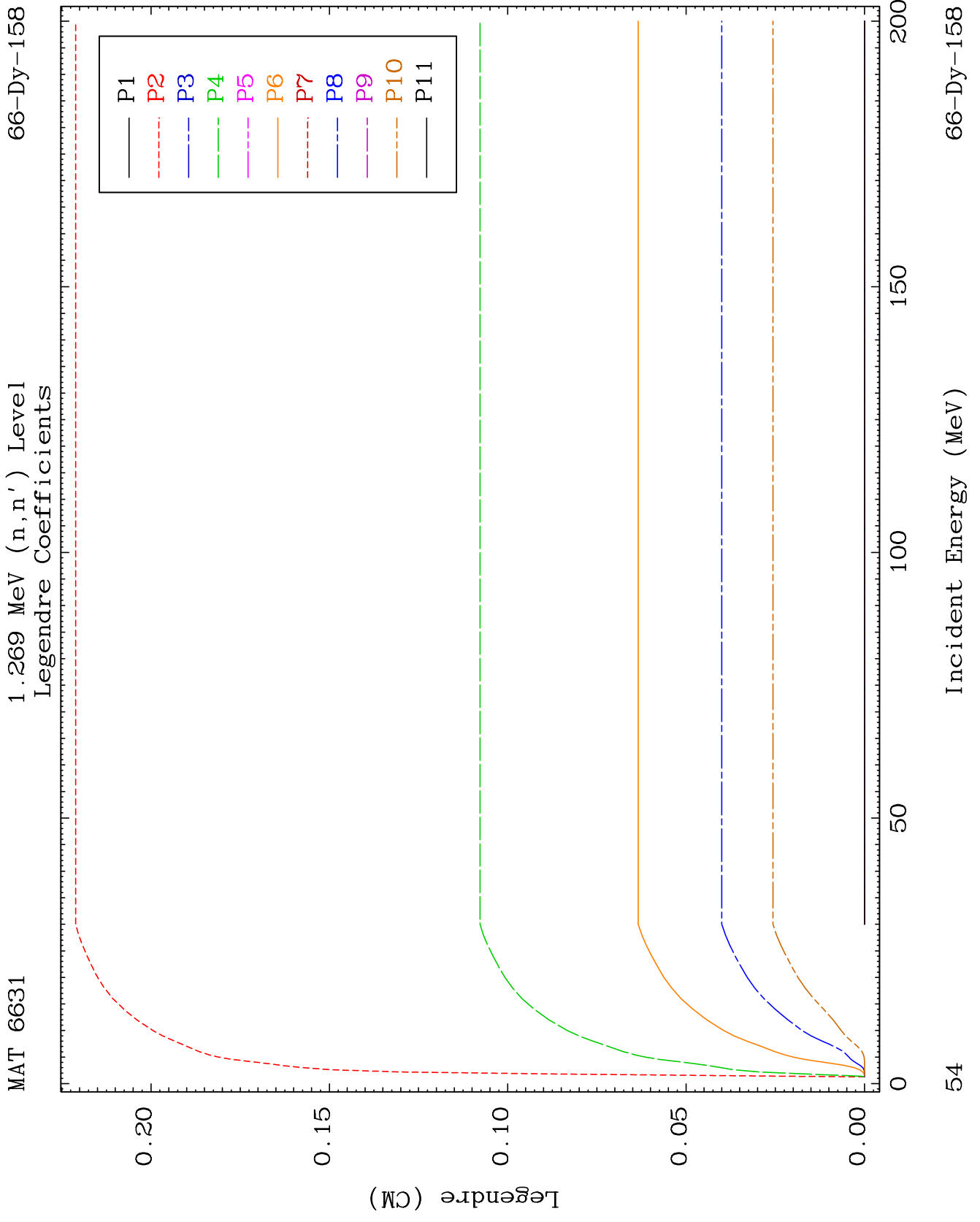
66-Dy-158

MAT 6631

1.164 MeV (n,n') Level  
Legendre Coefficients

66-Dy-158

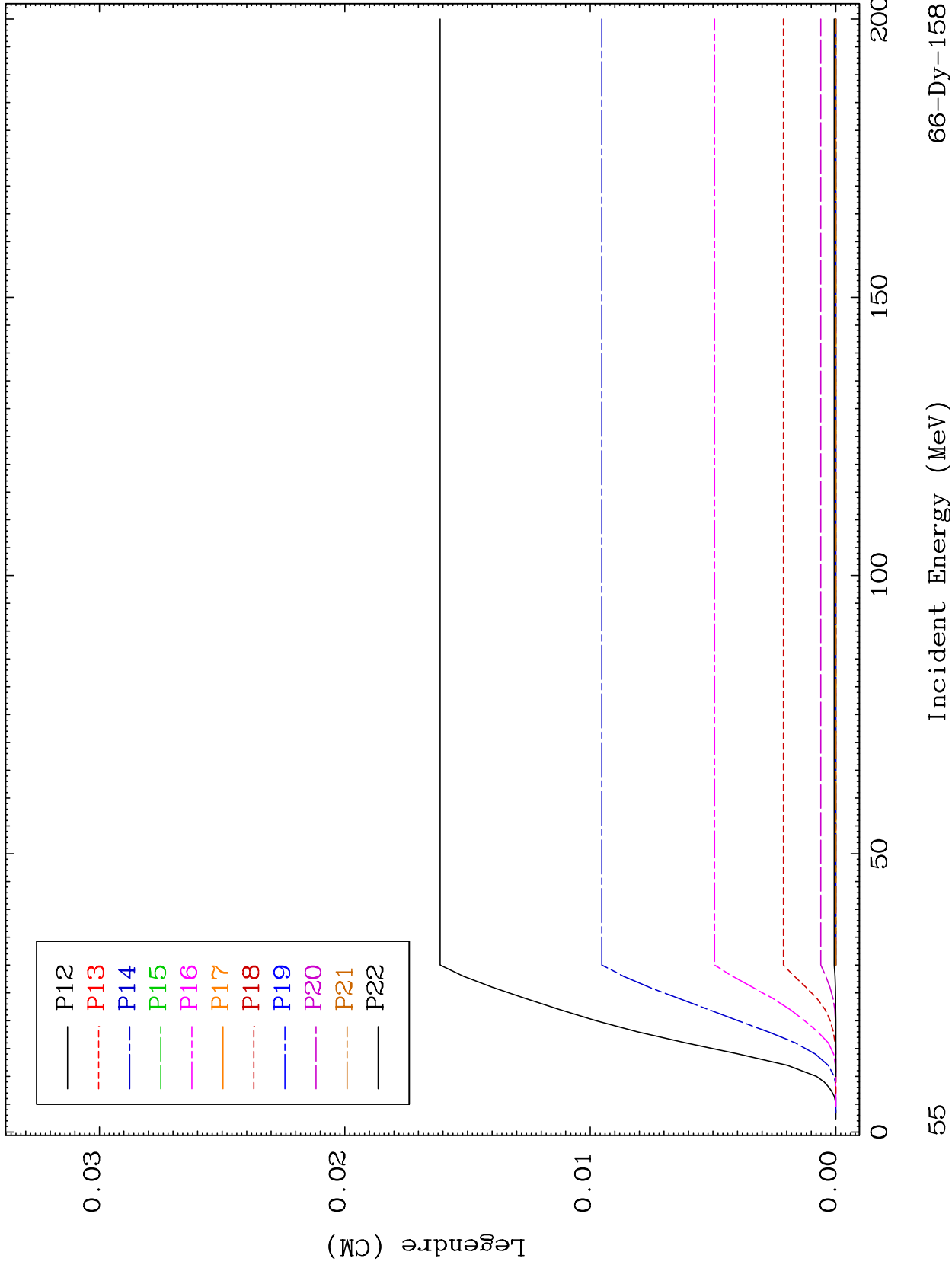




MAT 6631

1.269 MeV (n,n') Level  
Legendre Coefficients

66-Dy-158

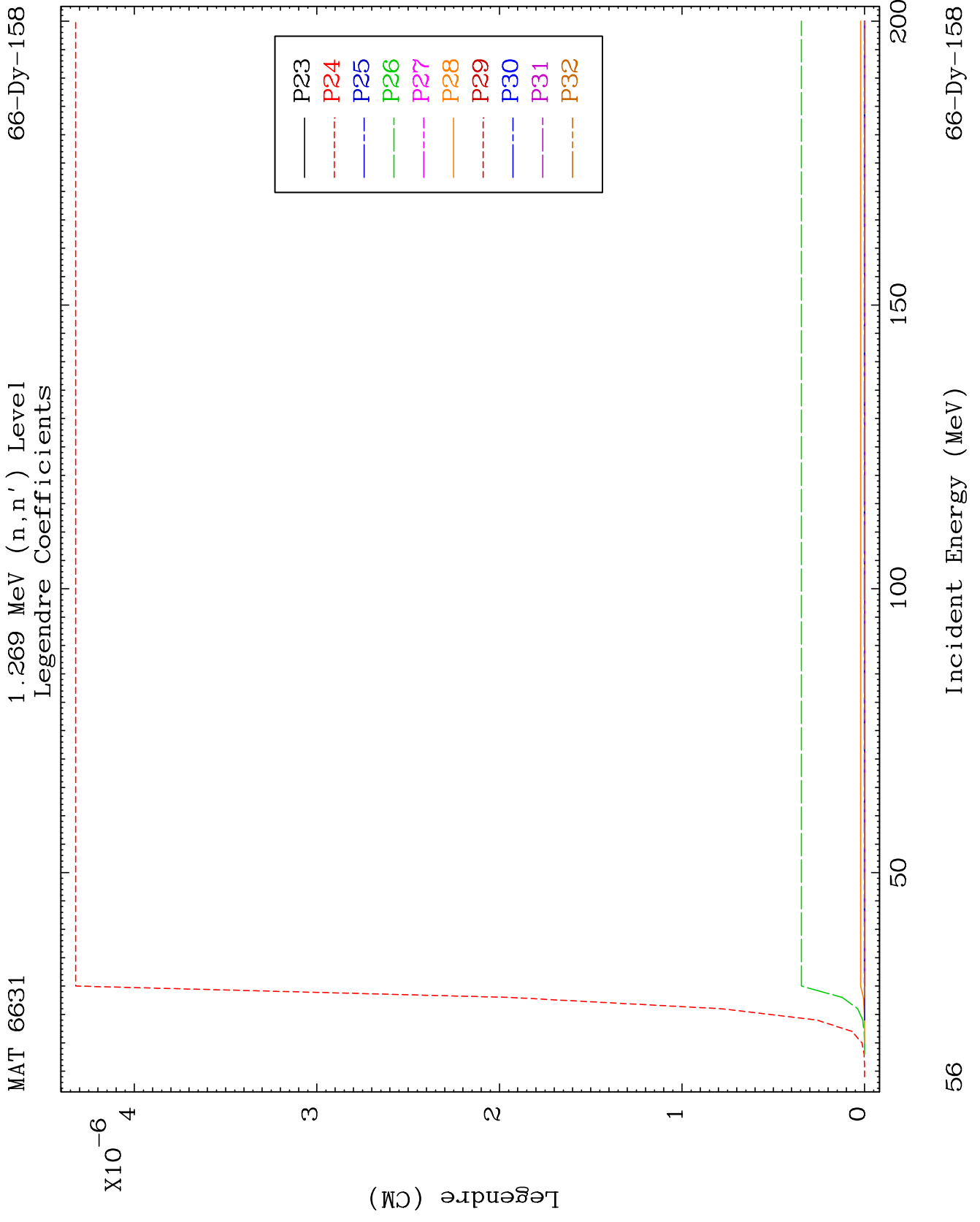


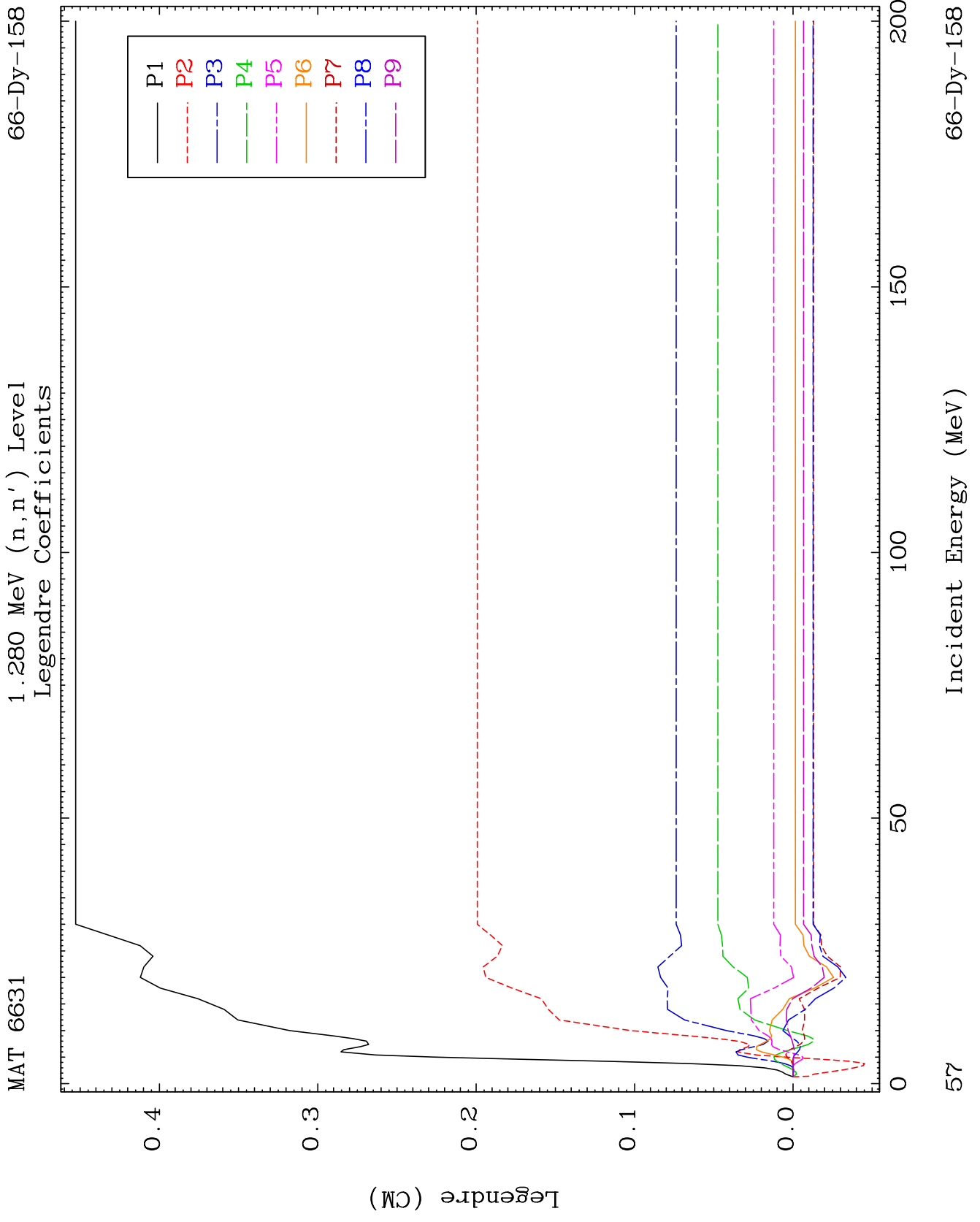
66-Dy-158

Incident Energy (MeV)

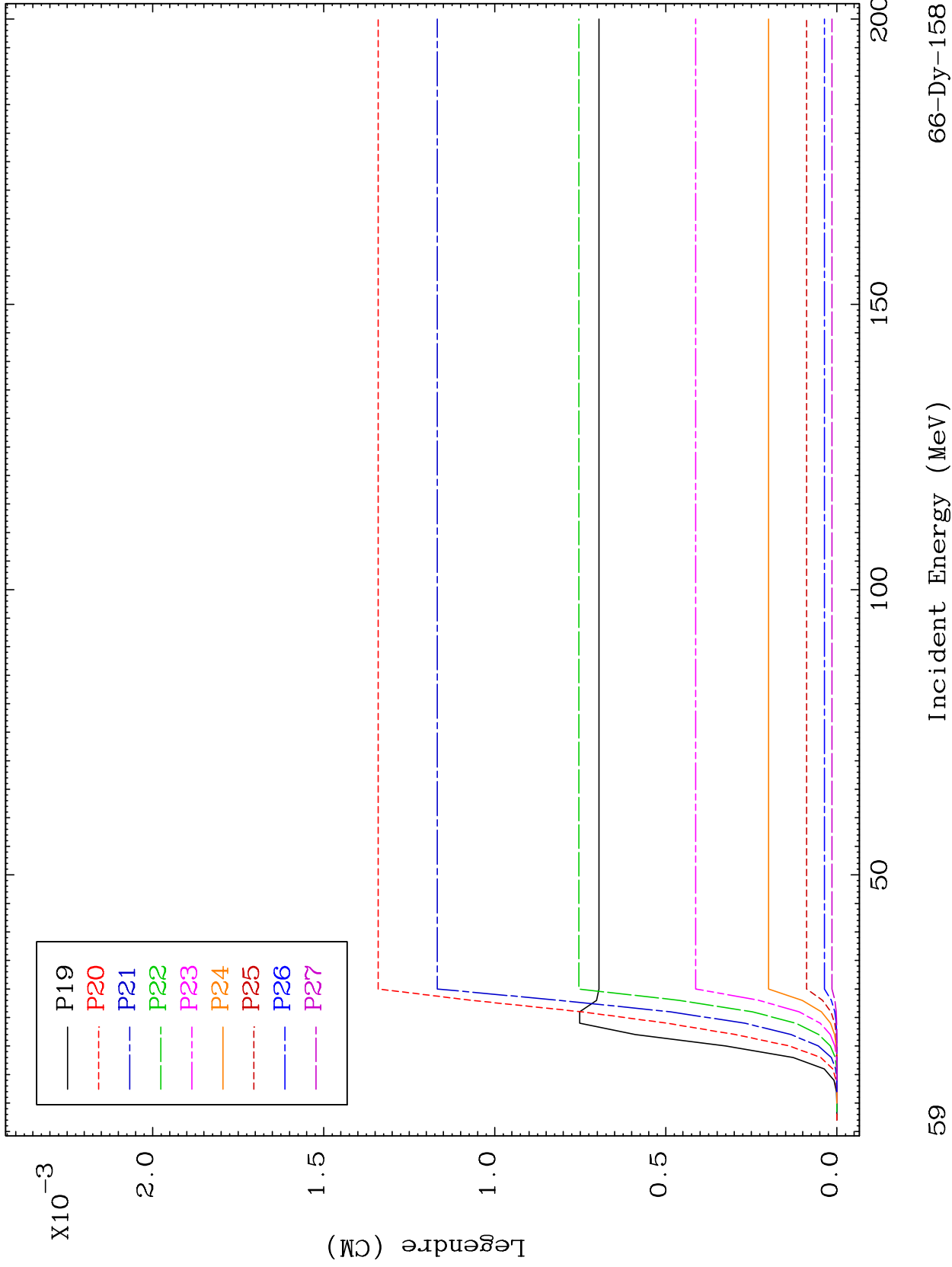
55

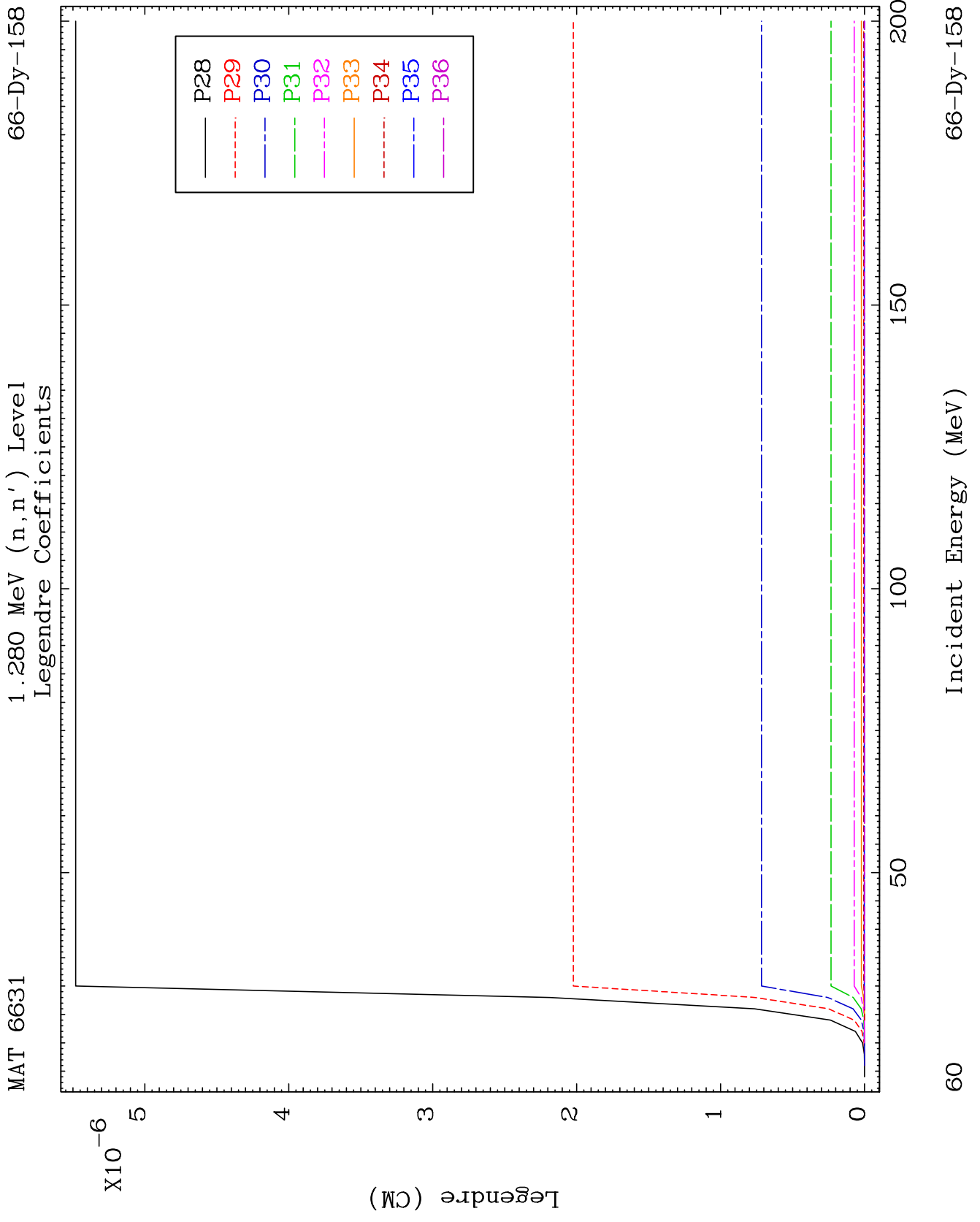




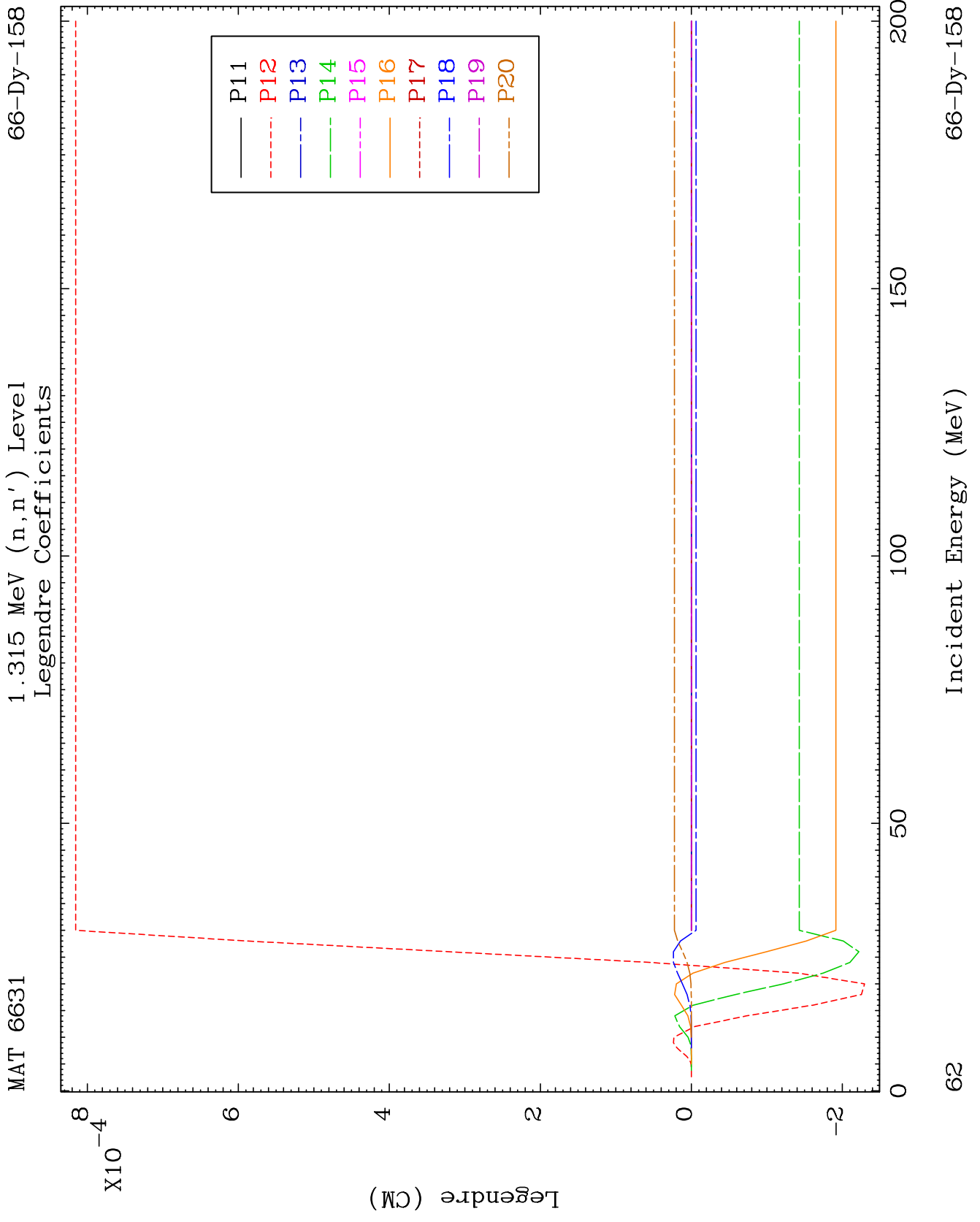


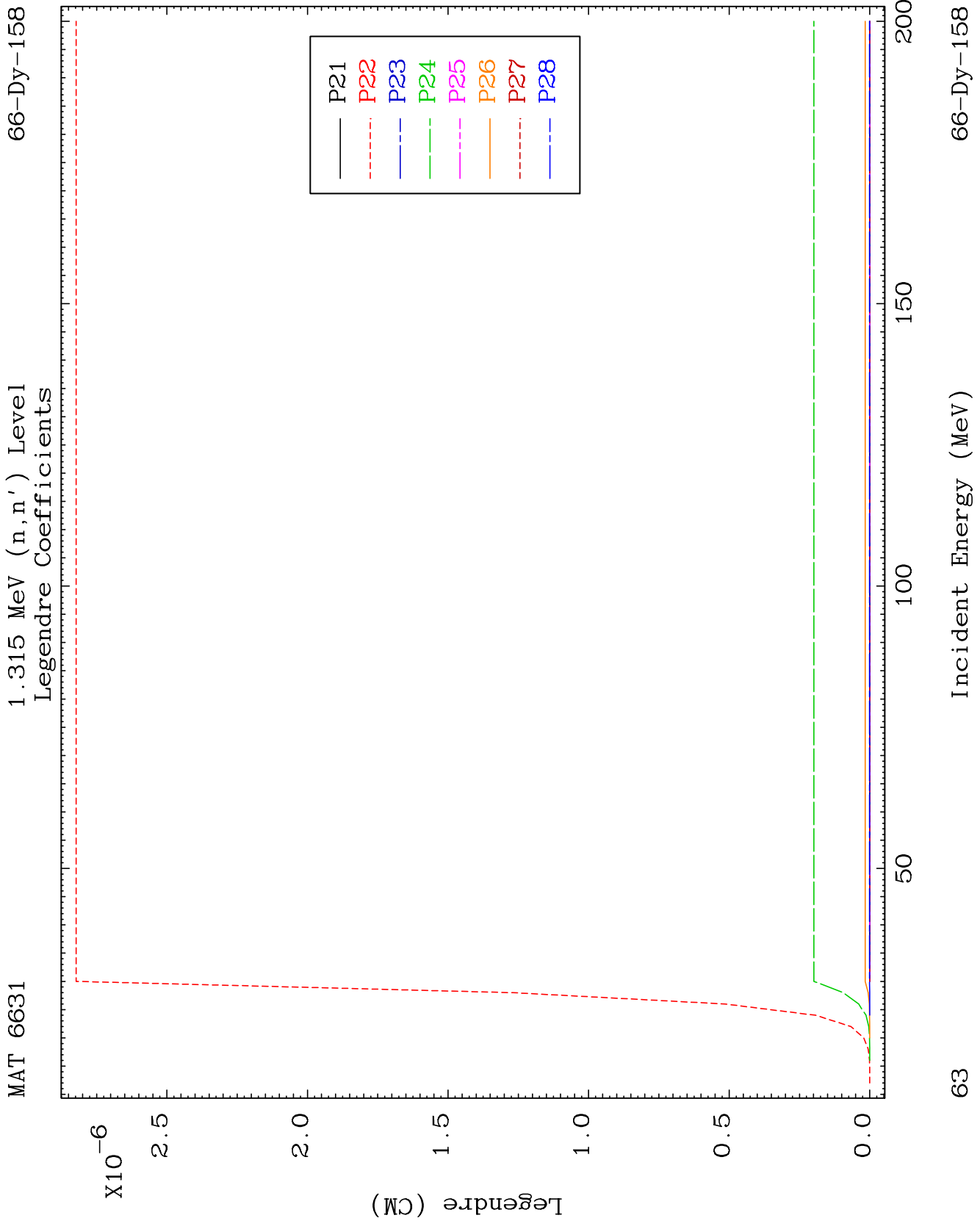




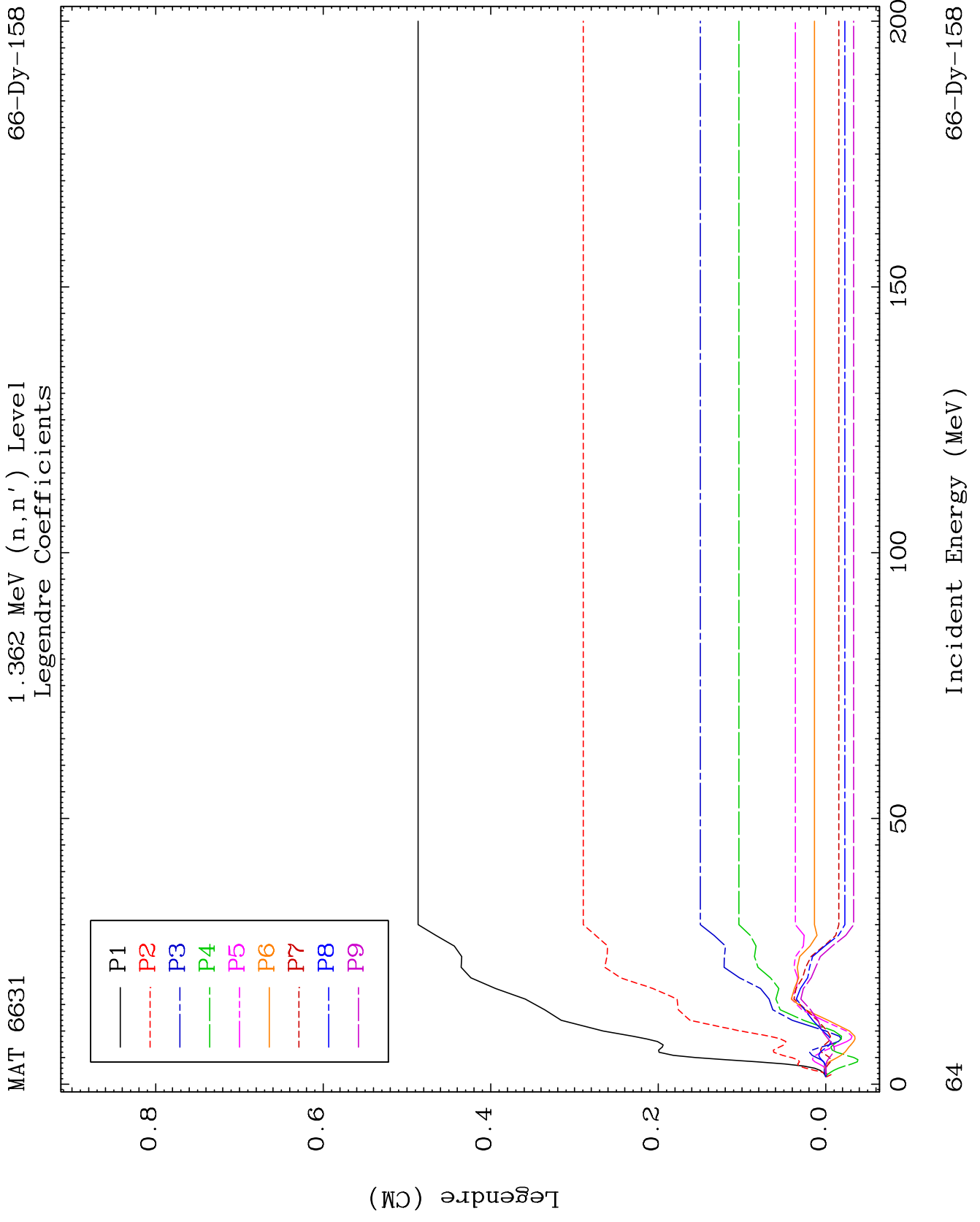










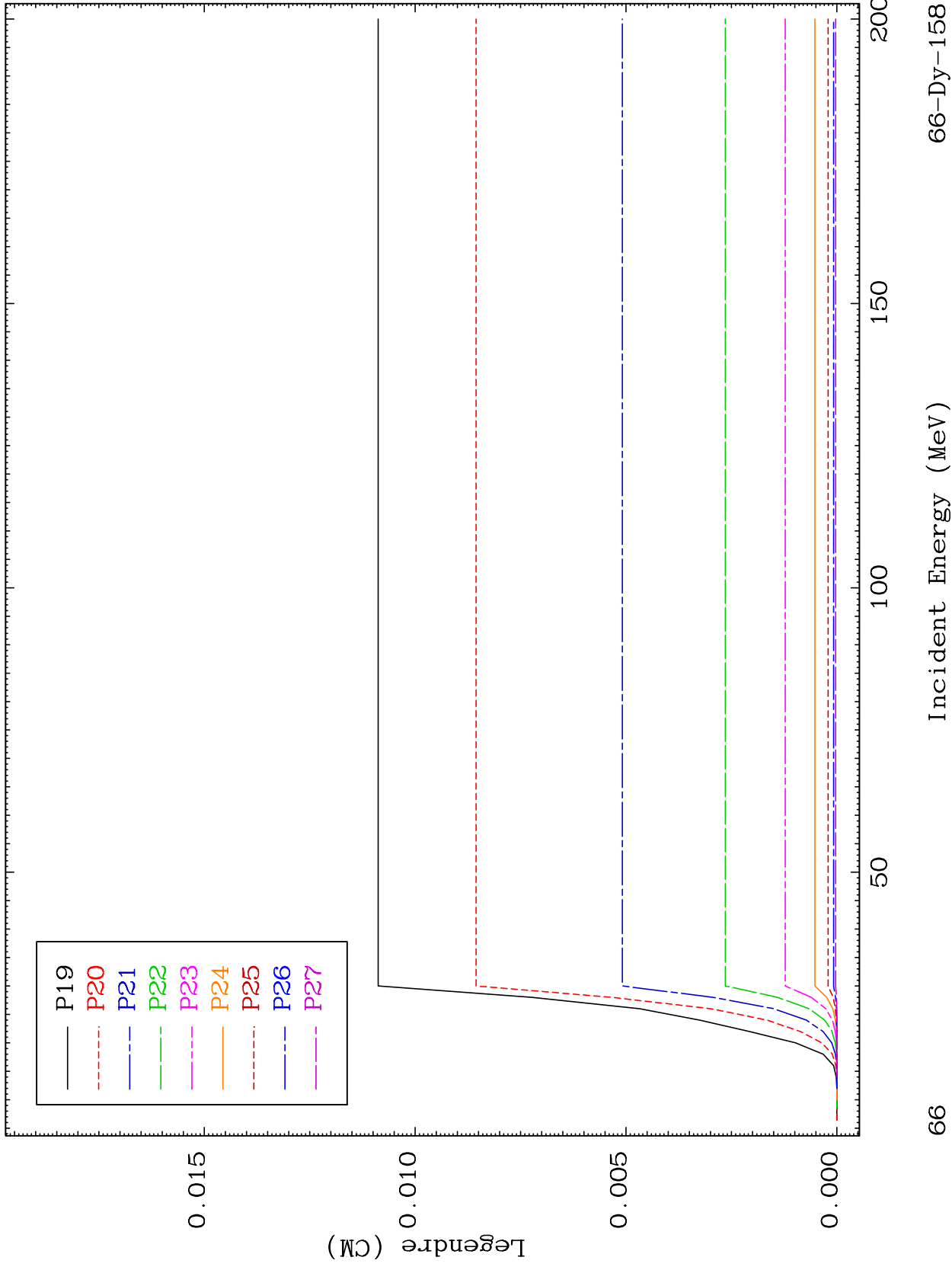




MAT 6631

1.362 MeV (n,n') Level  
Legendre Coefficients

66-Dy-158



66

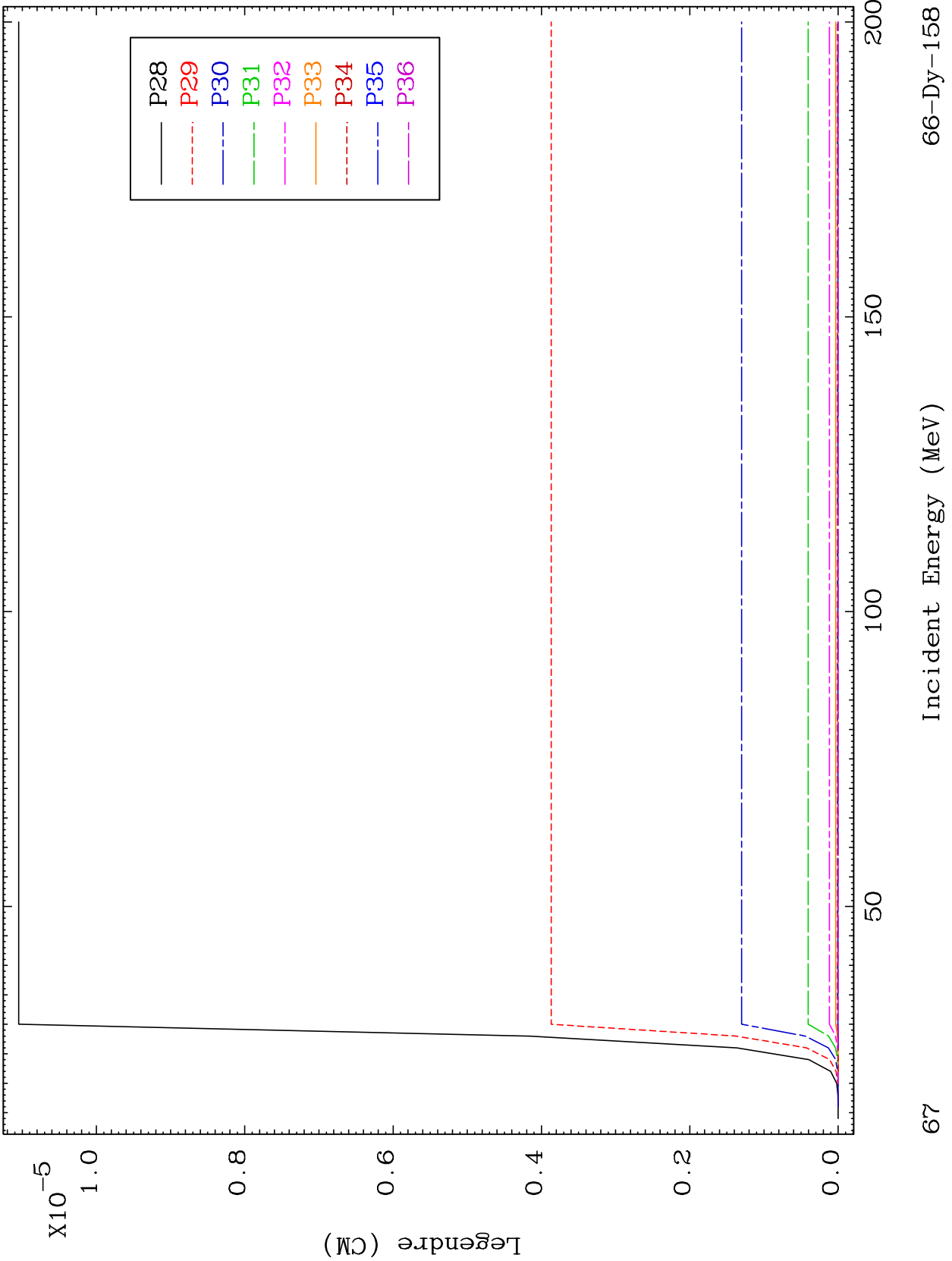
Incident Energy (MeV)

66-Dy-158

MAT 6631

1.362 MeV (n,n') Level  
Legendre Coefficients

66-Dy-158



67

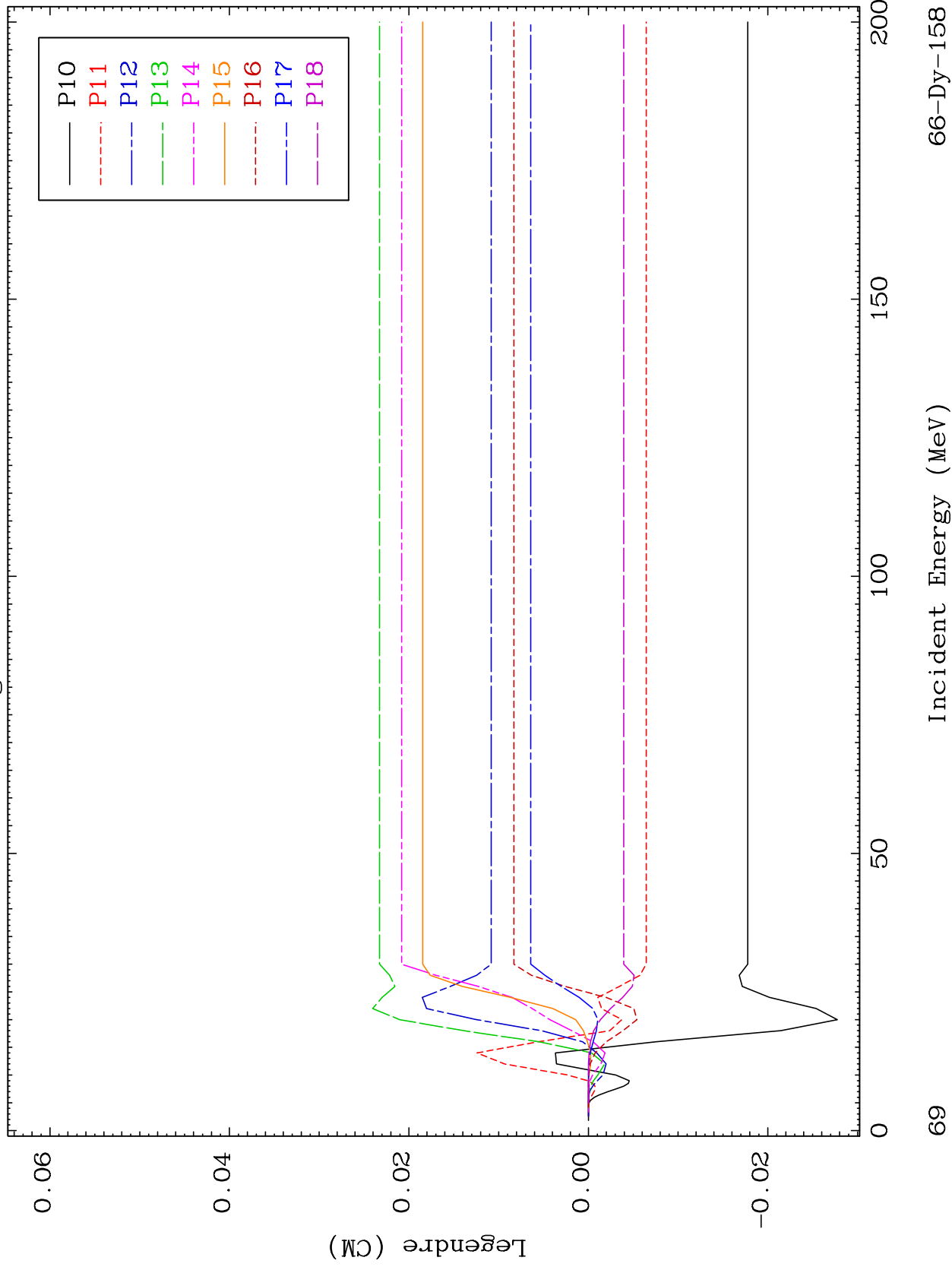
66-Dy-158



MAT 6631

1.372 MeV (n,n') Level  
Legendre Coefficients

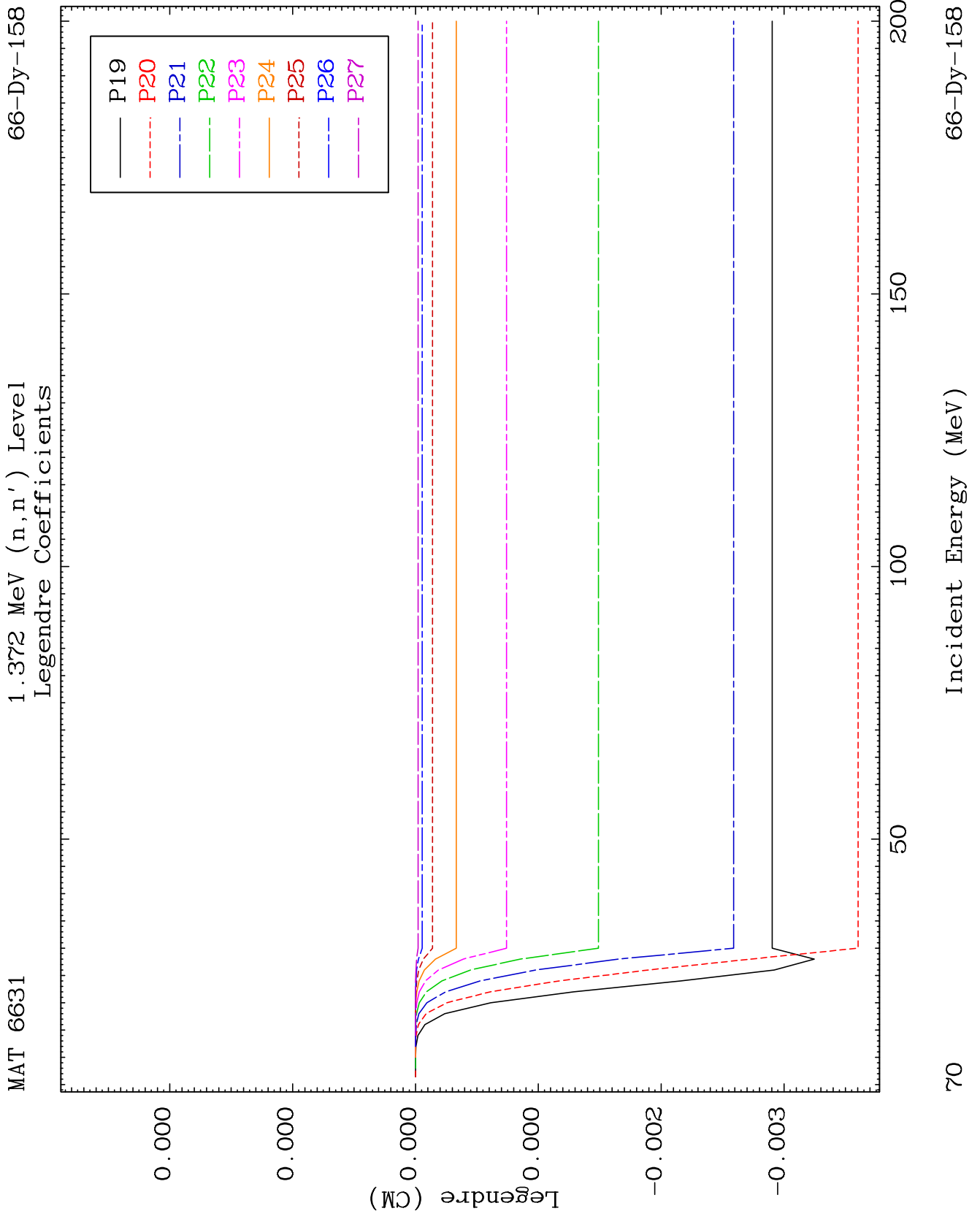
66-Dy-158

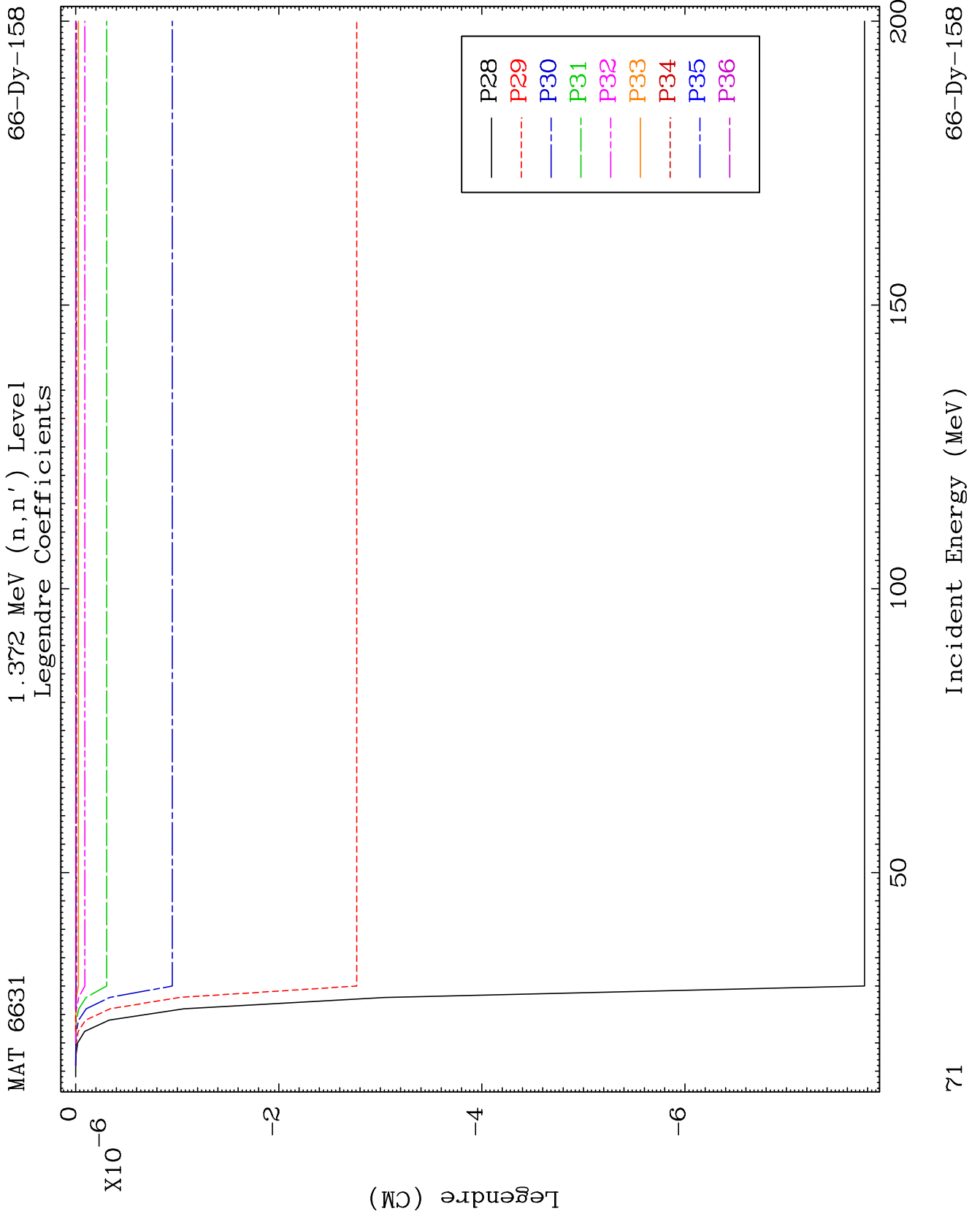


69

Incident Energy (MeV)

66-Dy-158



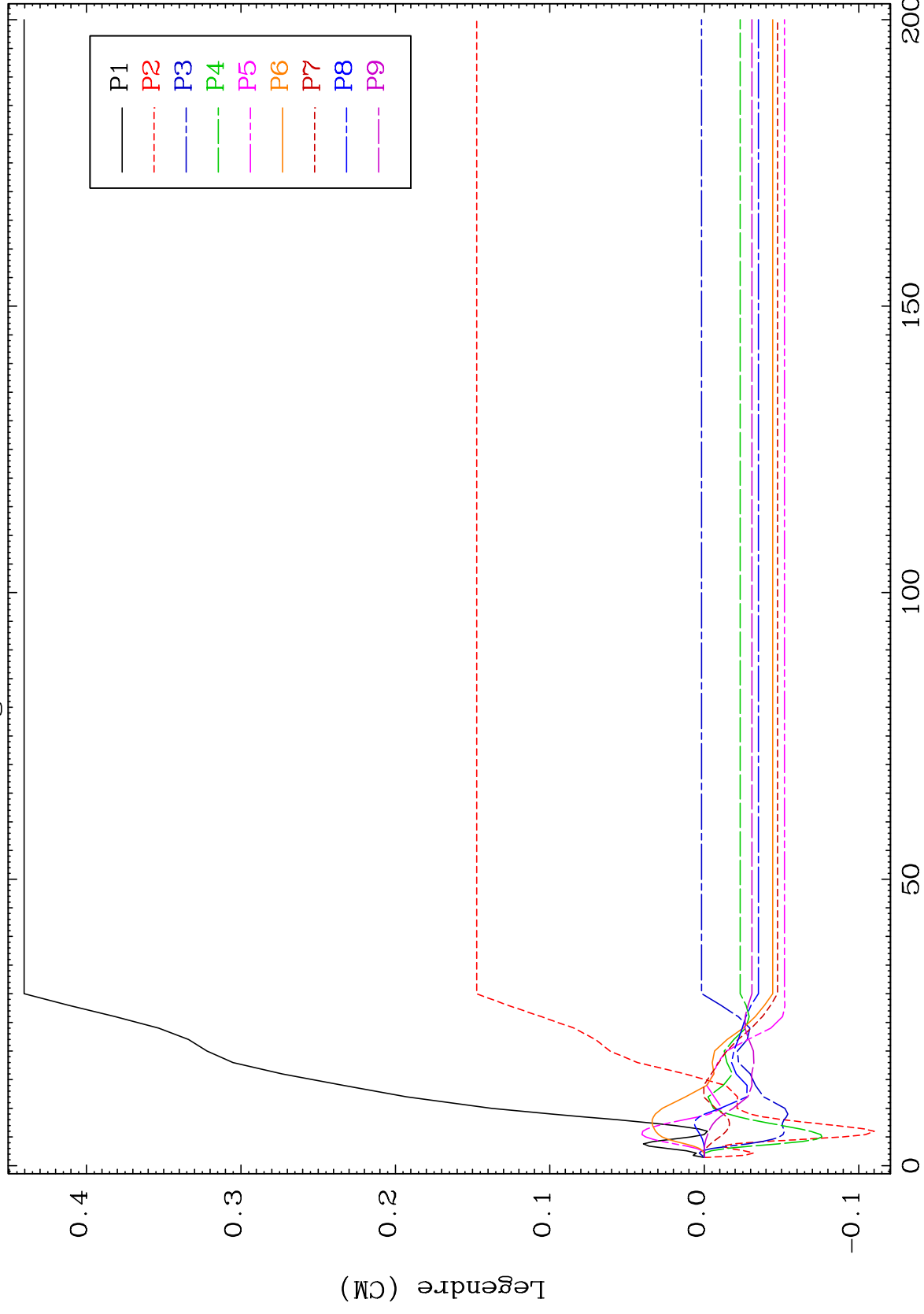




MAT 6631

1.397 MeV (n,n') Level  
Legendre Coefficients

66-Dy-158



72

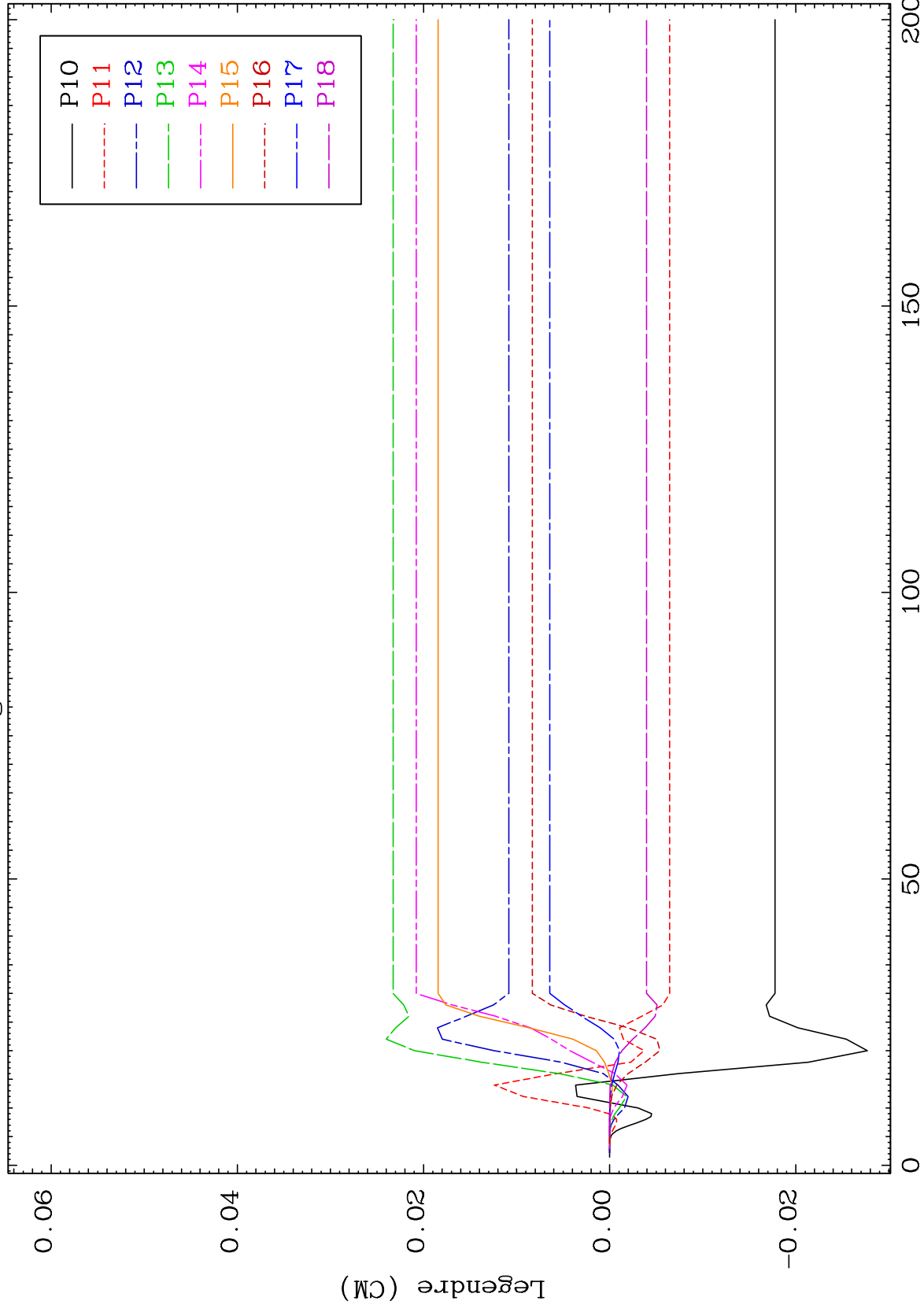
Incident Energy (MeV)

66-Dy-158

MAT 6631

1.397 MeV (n,n') Level  
Legendre Coefficients

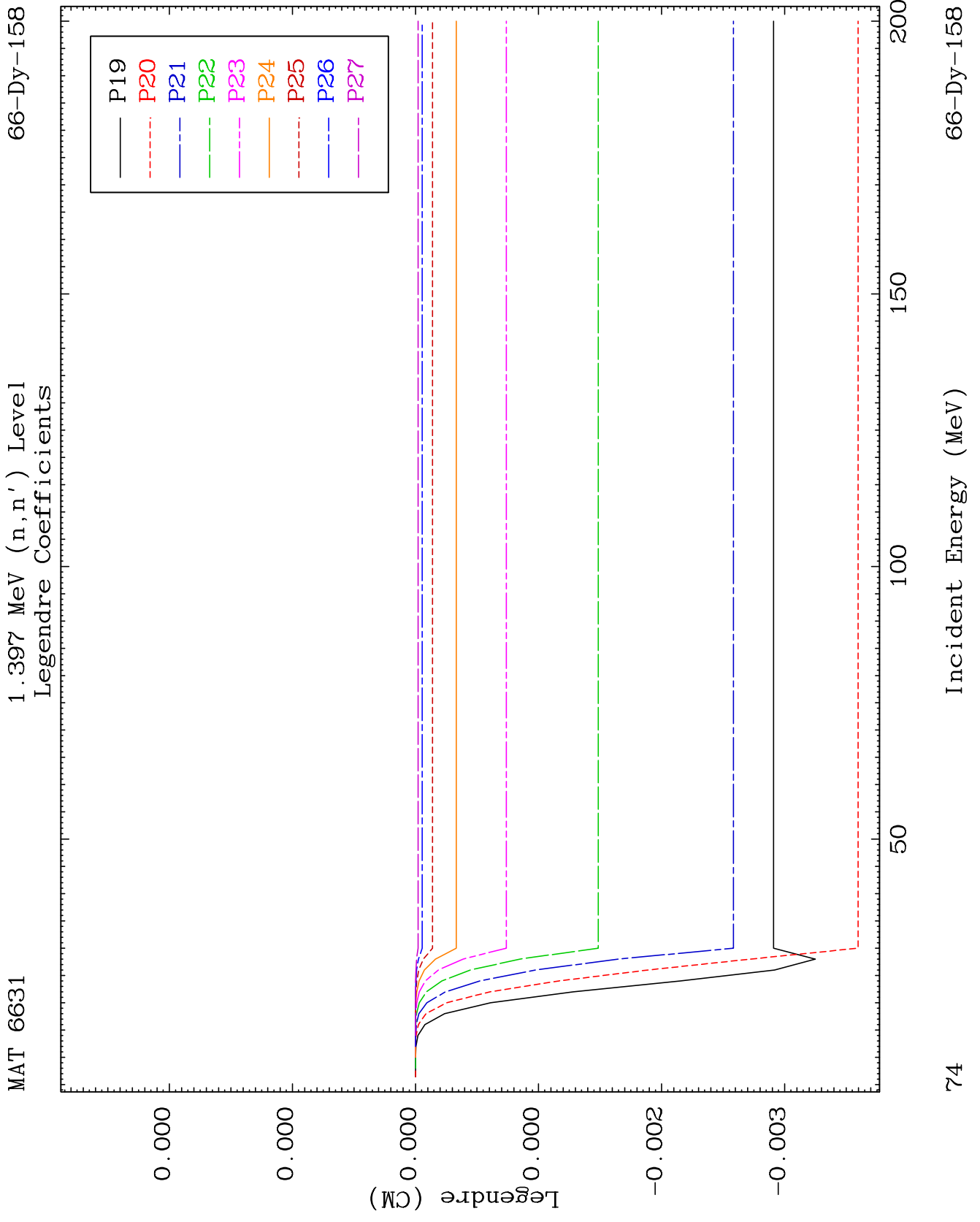
66-Dy-158

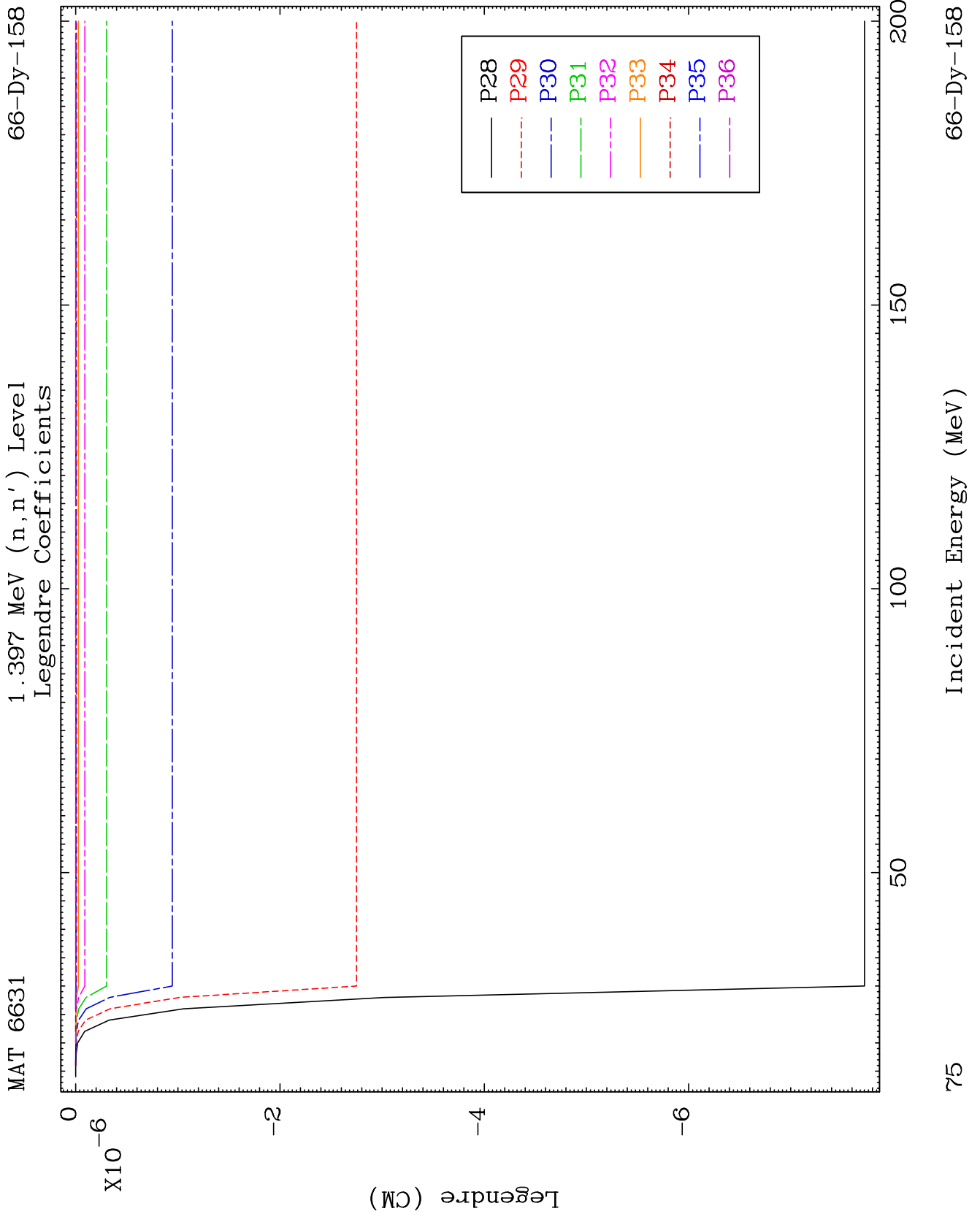


73

Incident Energy (MeV)

66-Dy-158

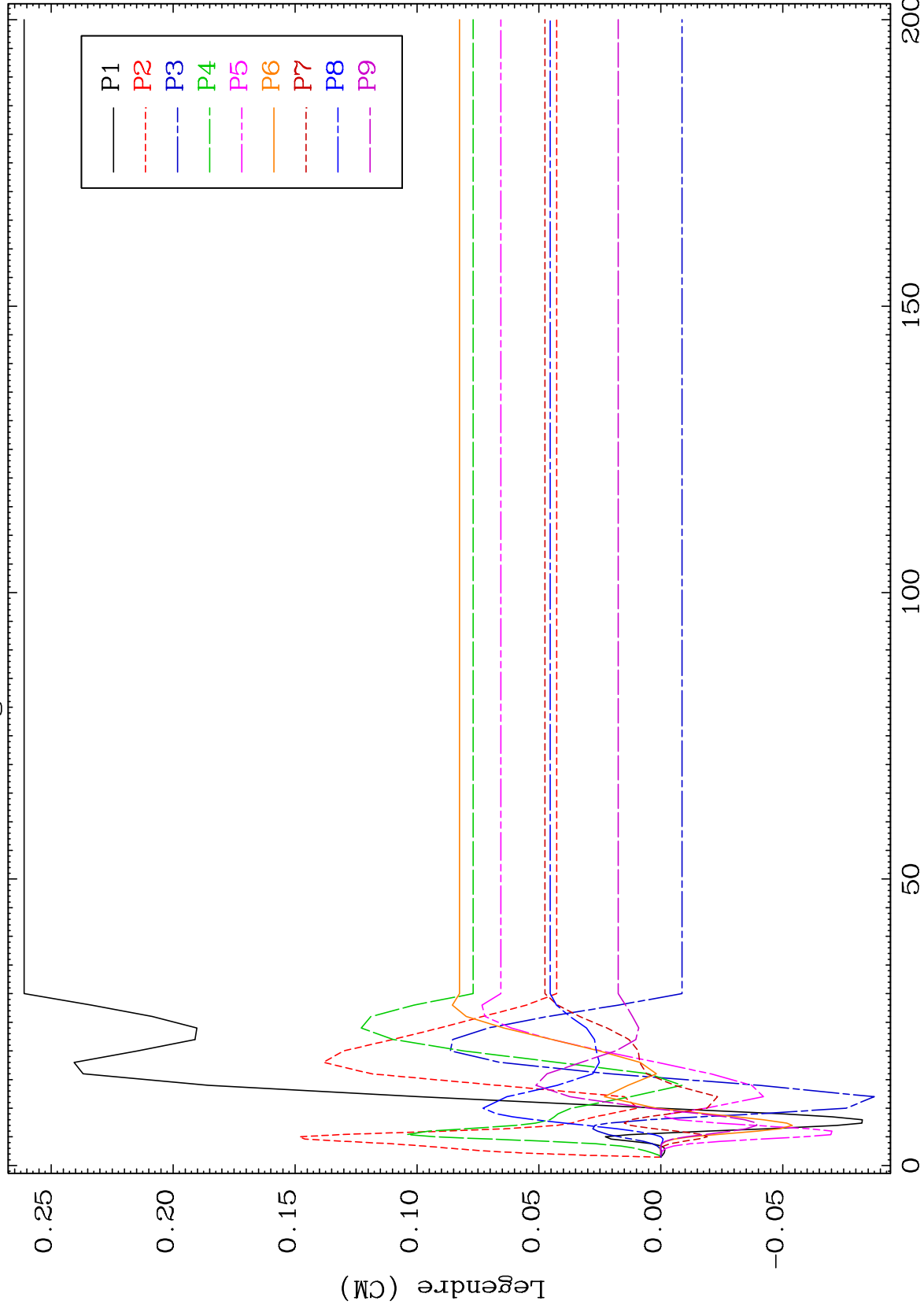




MAT 6631

1.442 MeV (n,n') Level  
Legendre Coefficients

66-Dy-158



76

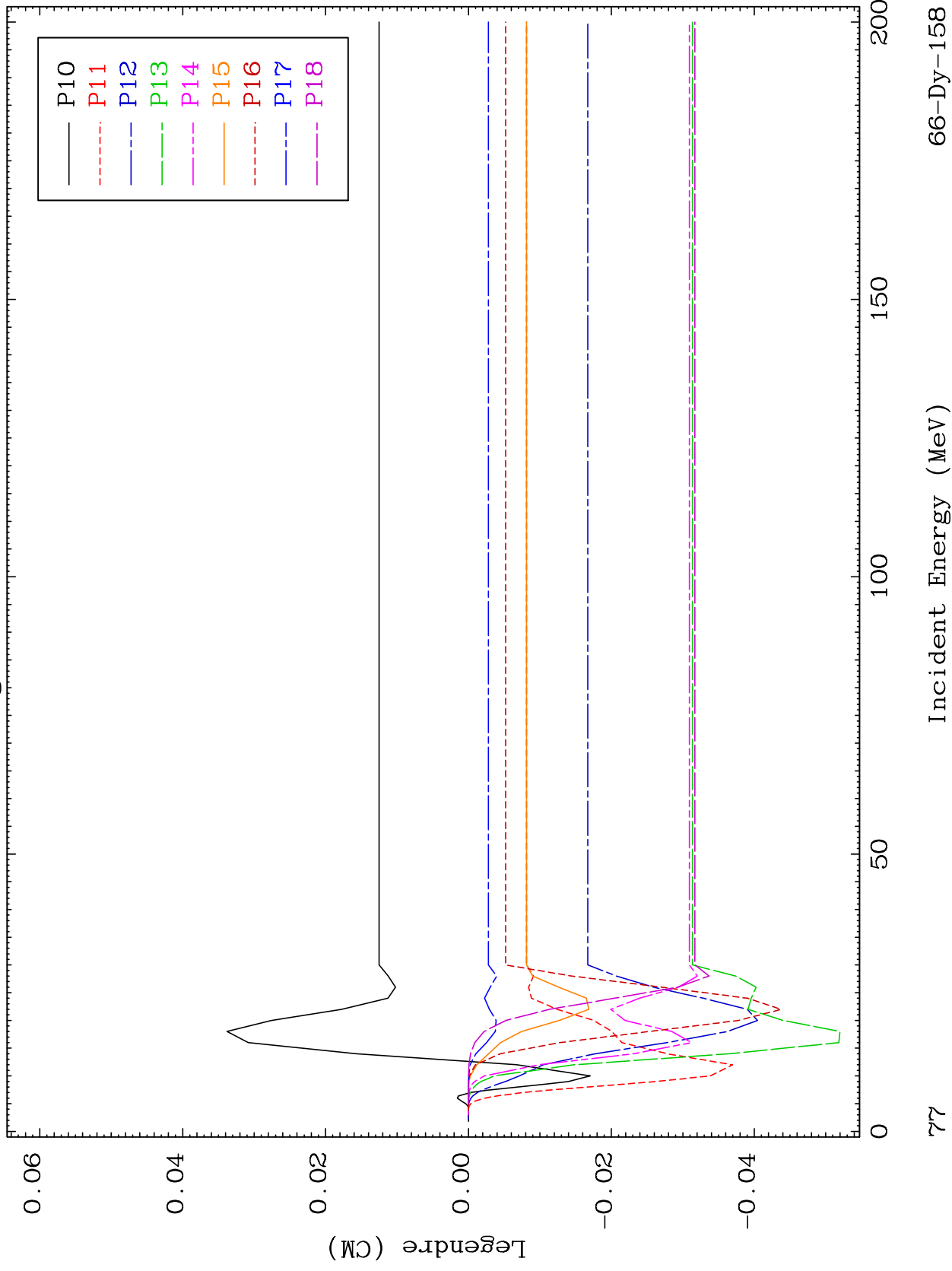
Incident Energy (MeV)

66-Dy-158

MAT 6631

1.442 MeV (n,n') Level  
Legendre Coefficients

66-Dy-158



77

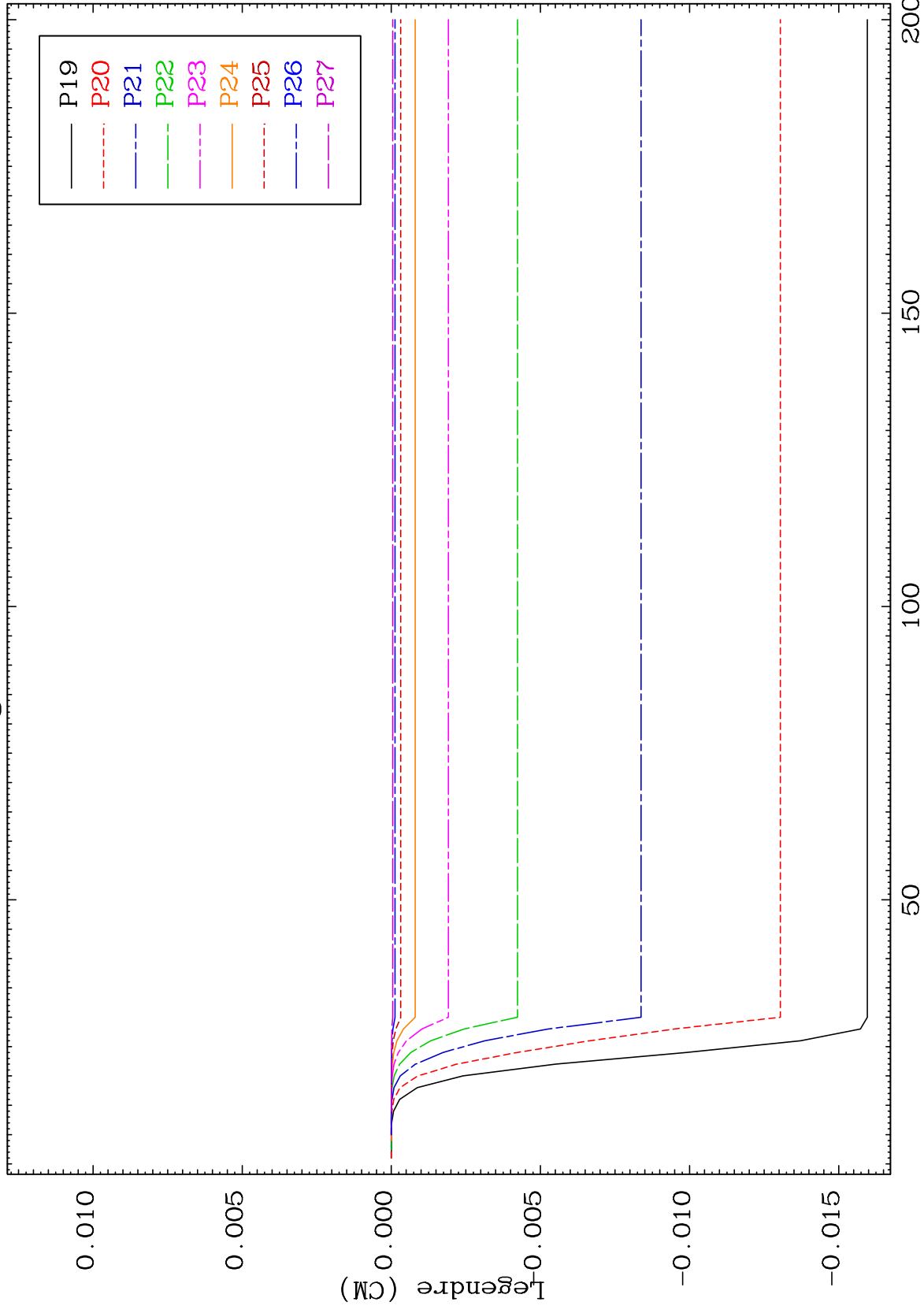
Incident Energy (MeV)

66-Dy-158

MAT 6631

1.442 MeV (n,n') Level  
Legendre Coefficients

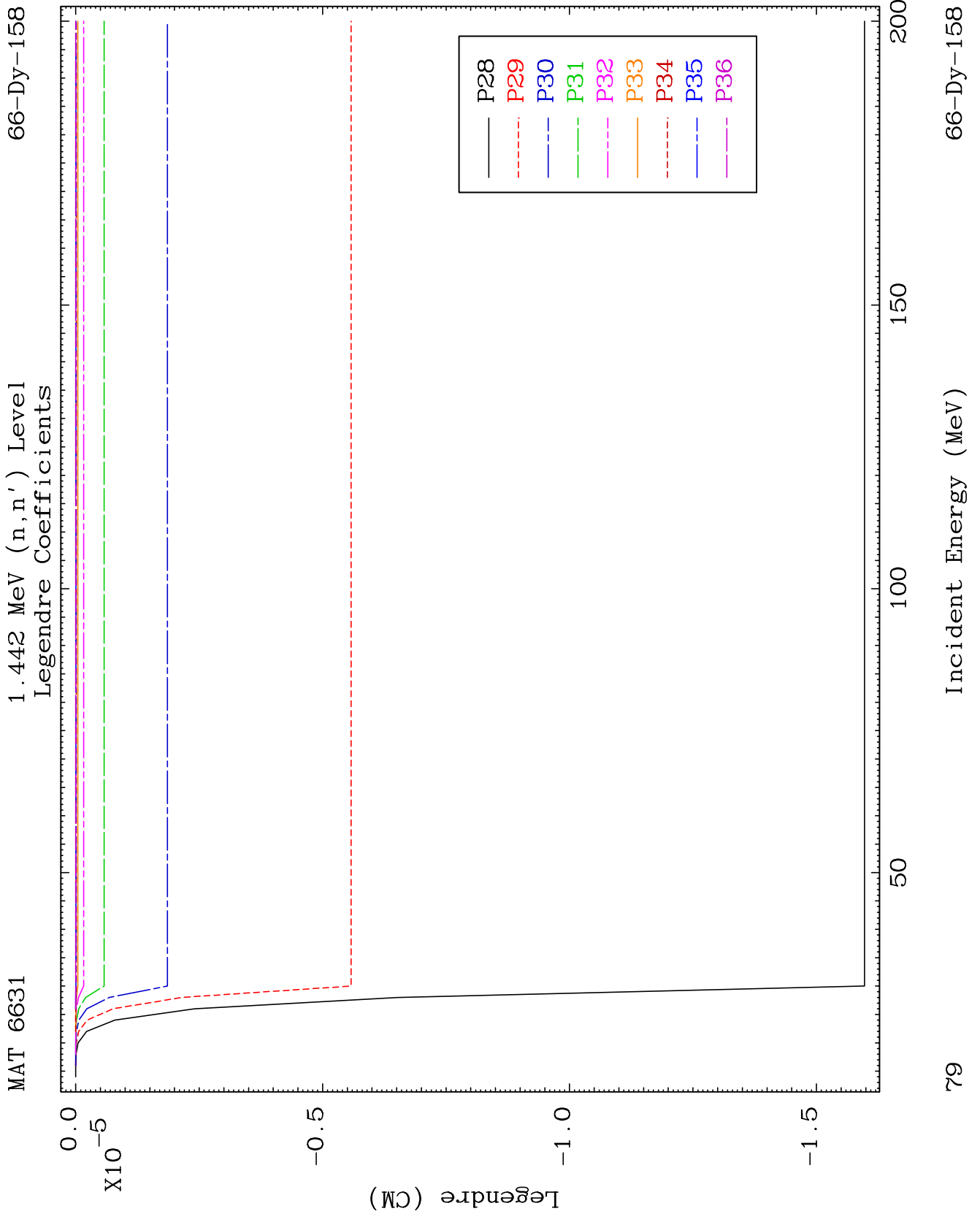
66-Dy-158



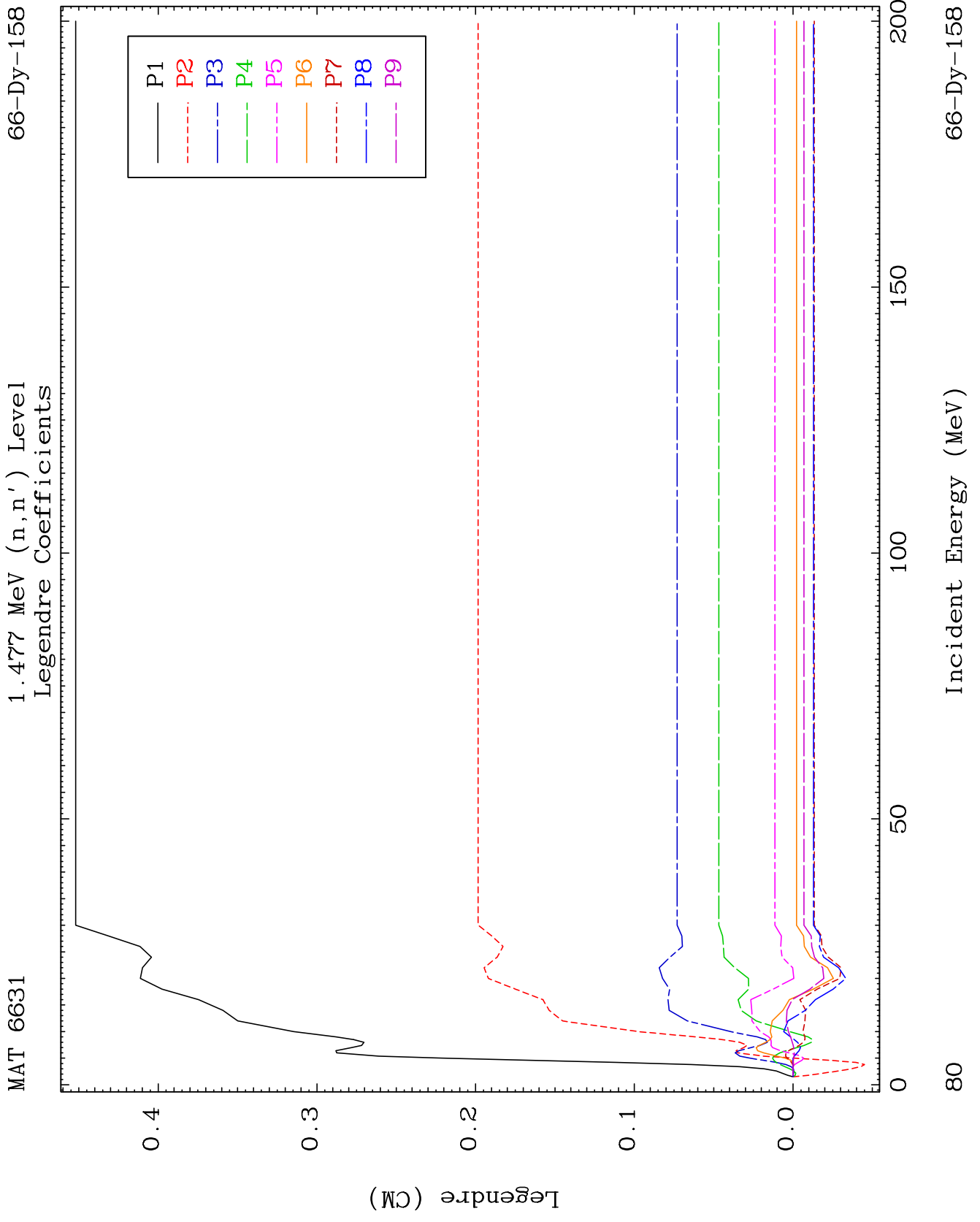
78

Incident Energy (MeV)

66-Dy-158





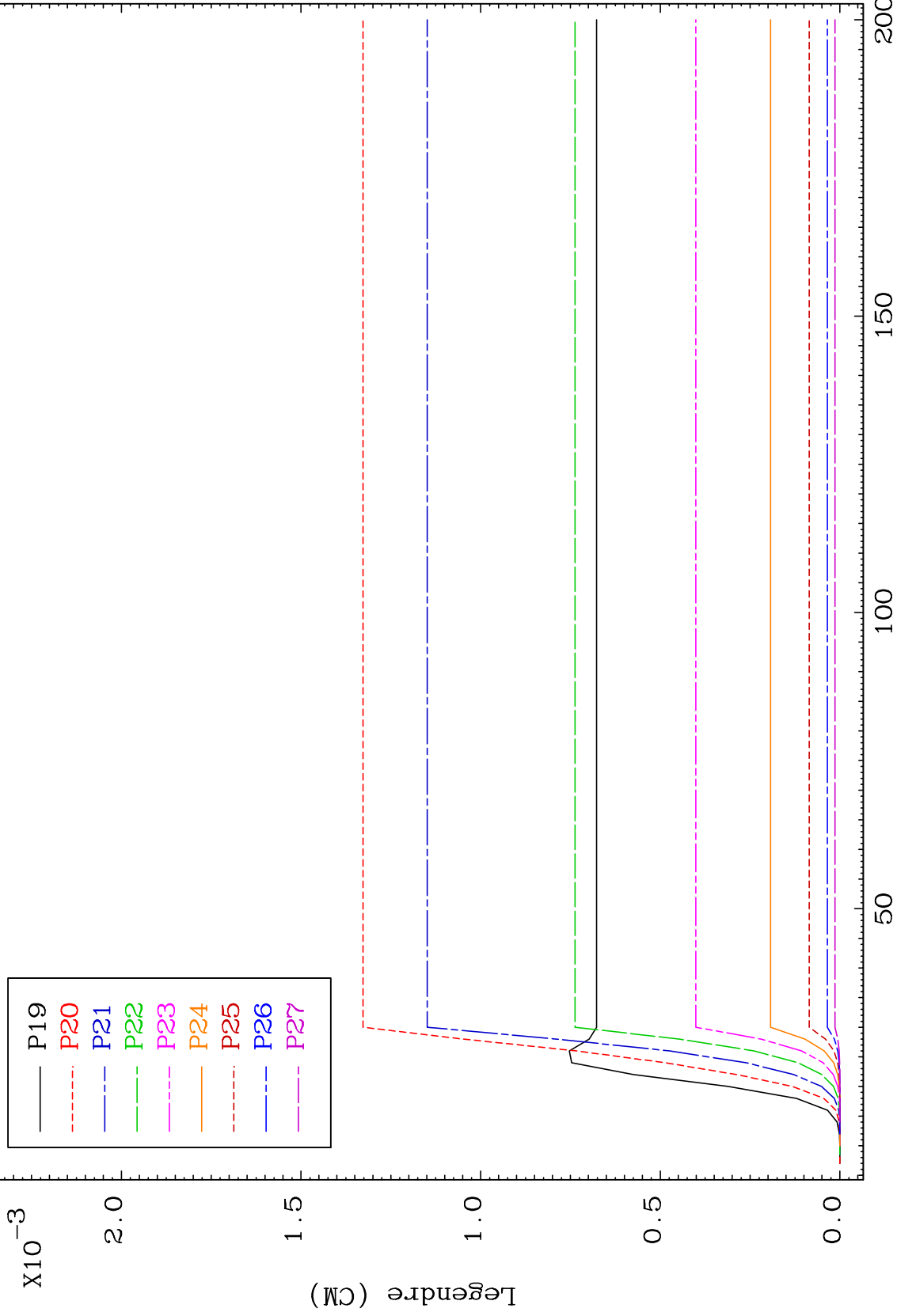
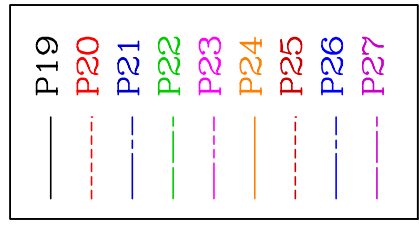




MAT 6631

1.477 MeV (n, n') Level  
Legendre Coefficients

66-Dy-158



82

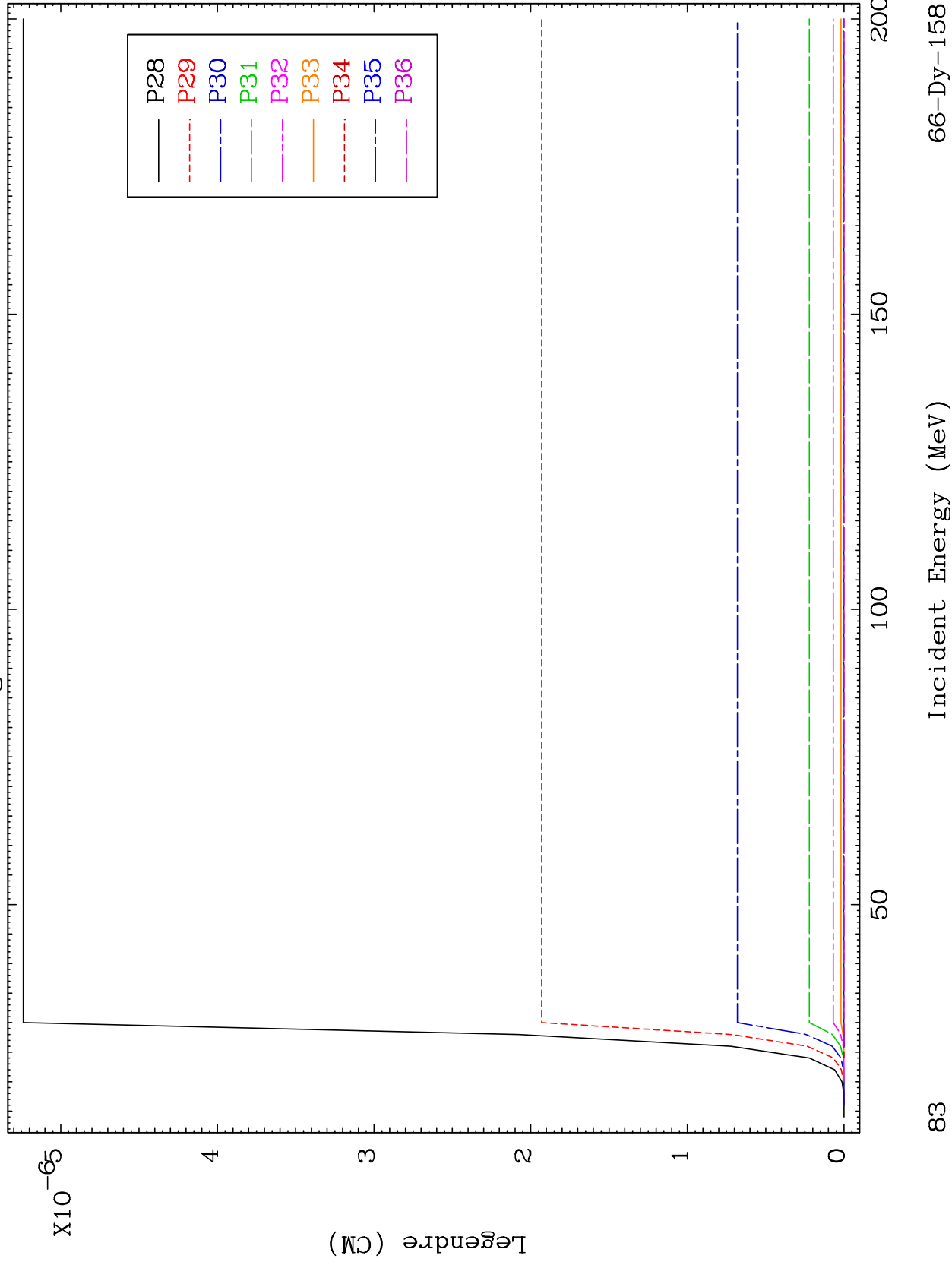
Incident Energy (MeV)

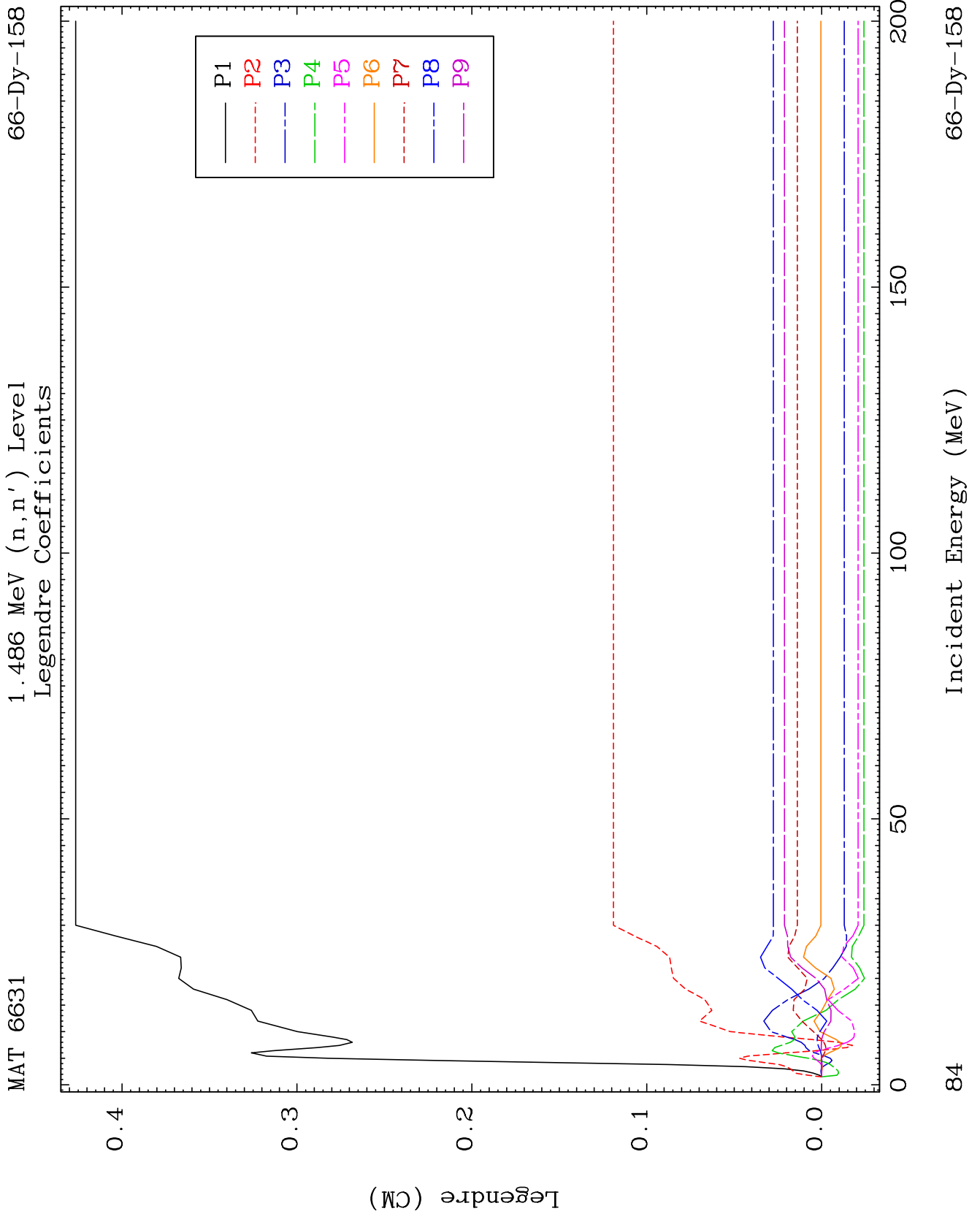
66-Dy-158

MAT 6631

1.477 MeV (n,n') Level  
Legendre Coefficients

66-Dy-158

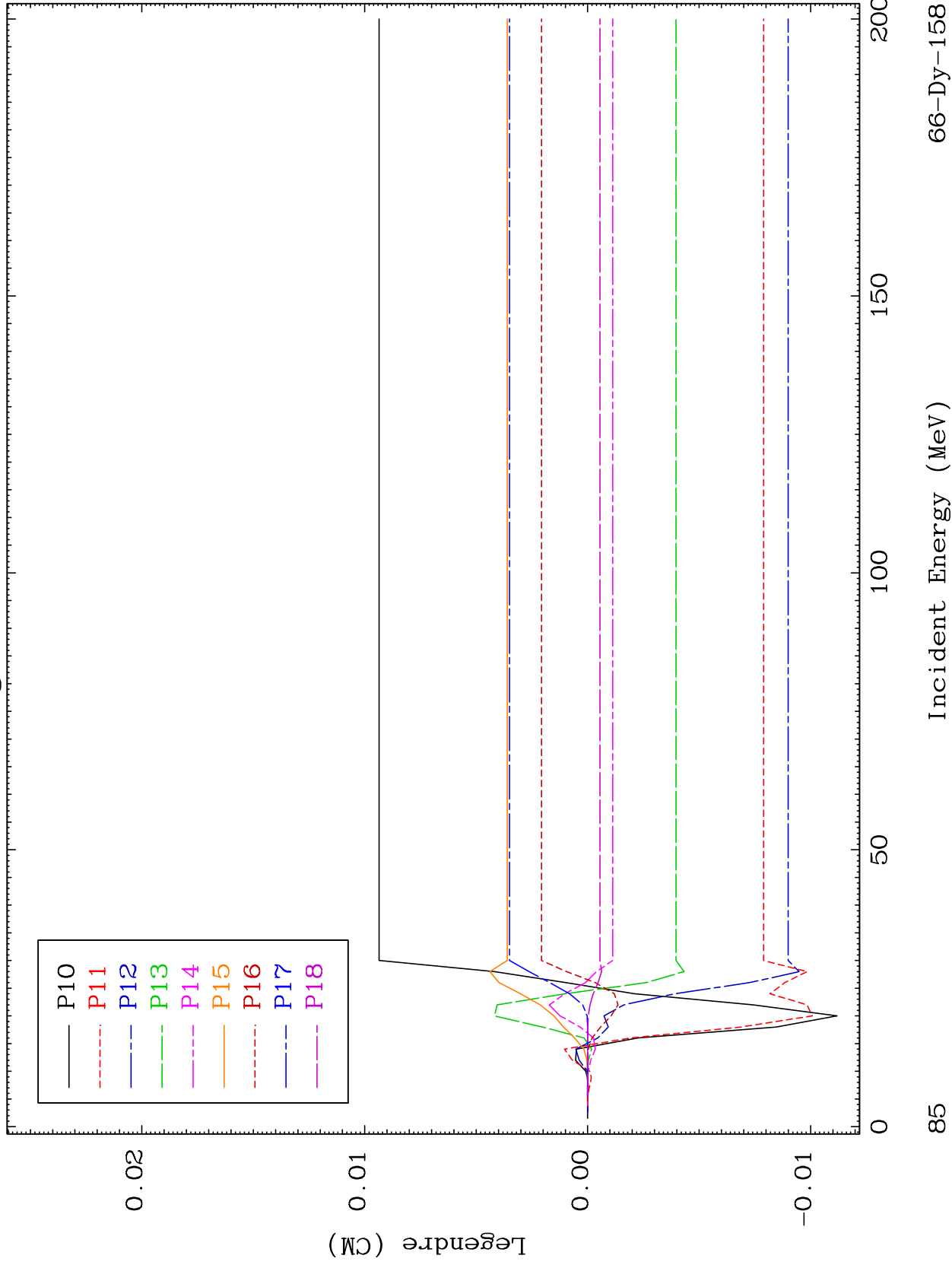




MAT 6631

1.486 MeV (n,n') Level  
Legendre Coefficients

66-Dy-158



66-Dy-158

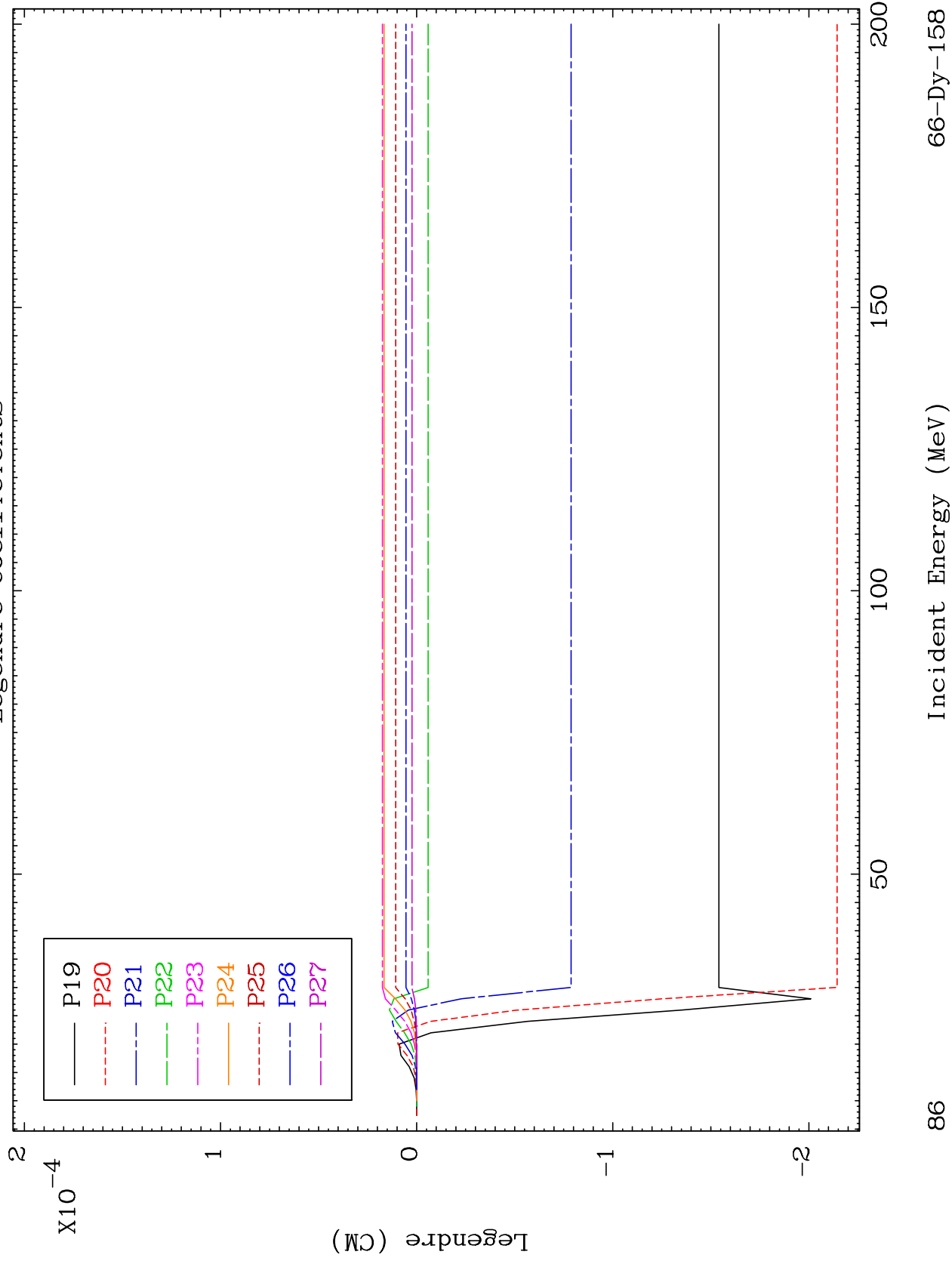
Incident Energy (MeV)

85

MAT 6631

1.486 MeV (n,n') Level  
Legendre Coefficients

66-Dy-158



86

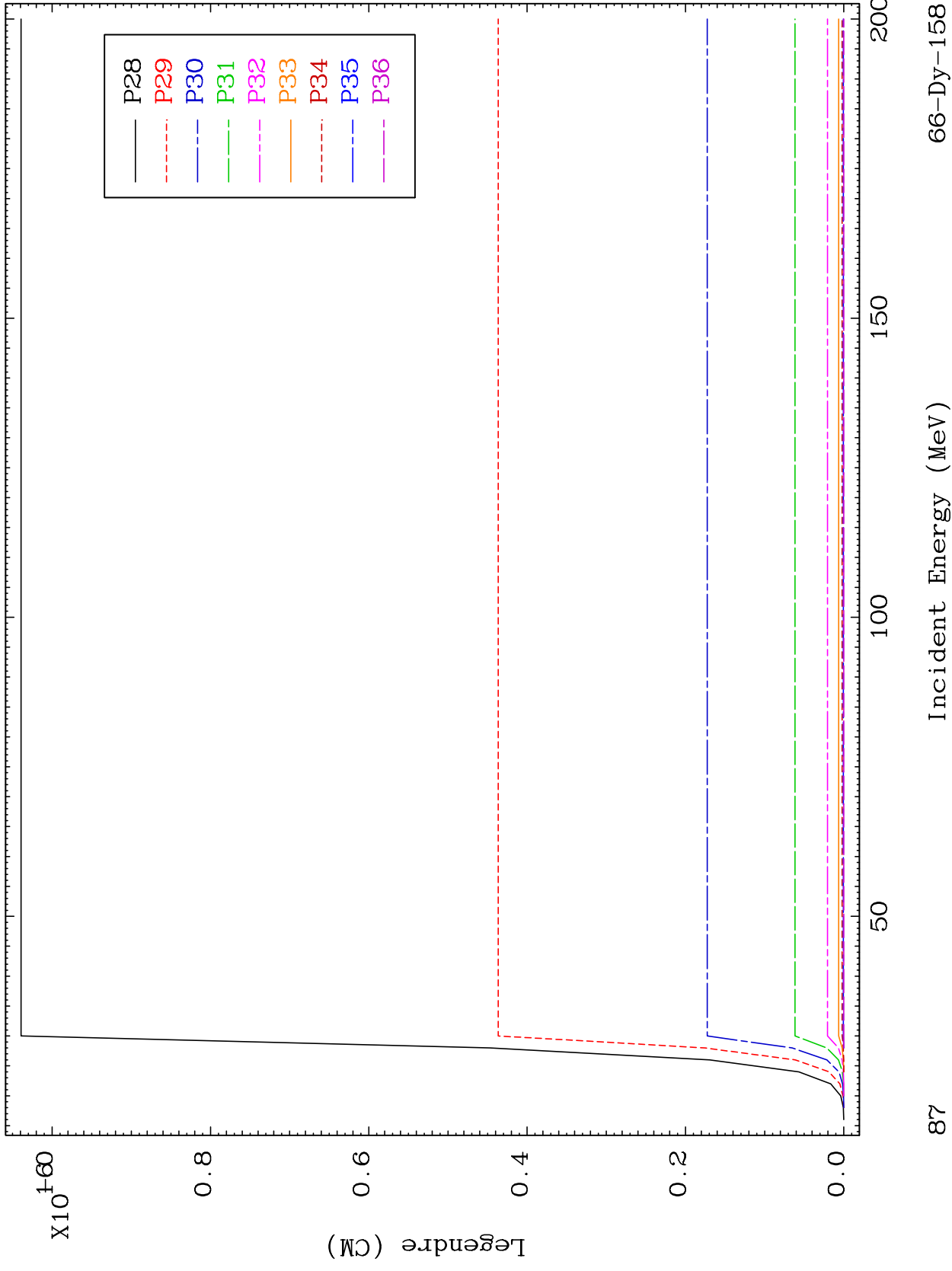
Incident Energy (MeV)

66-Dy-158

MAT 6631

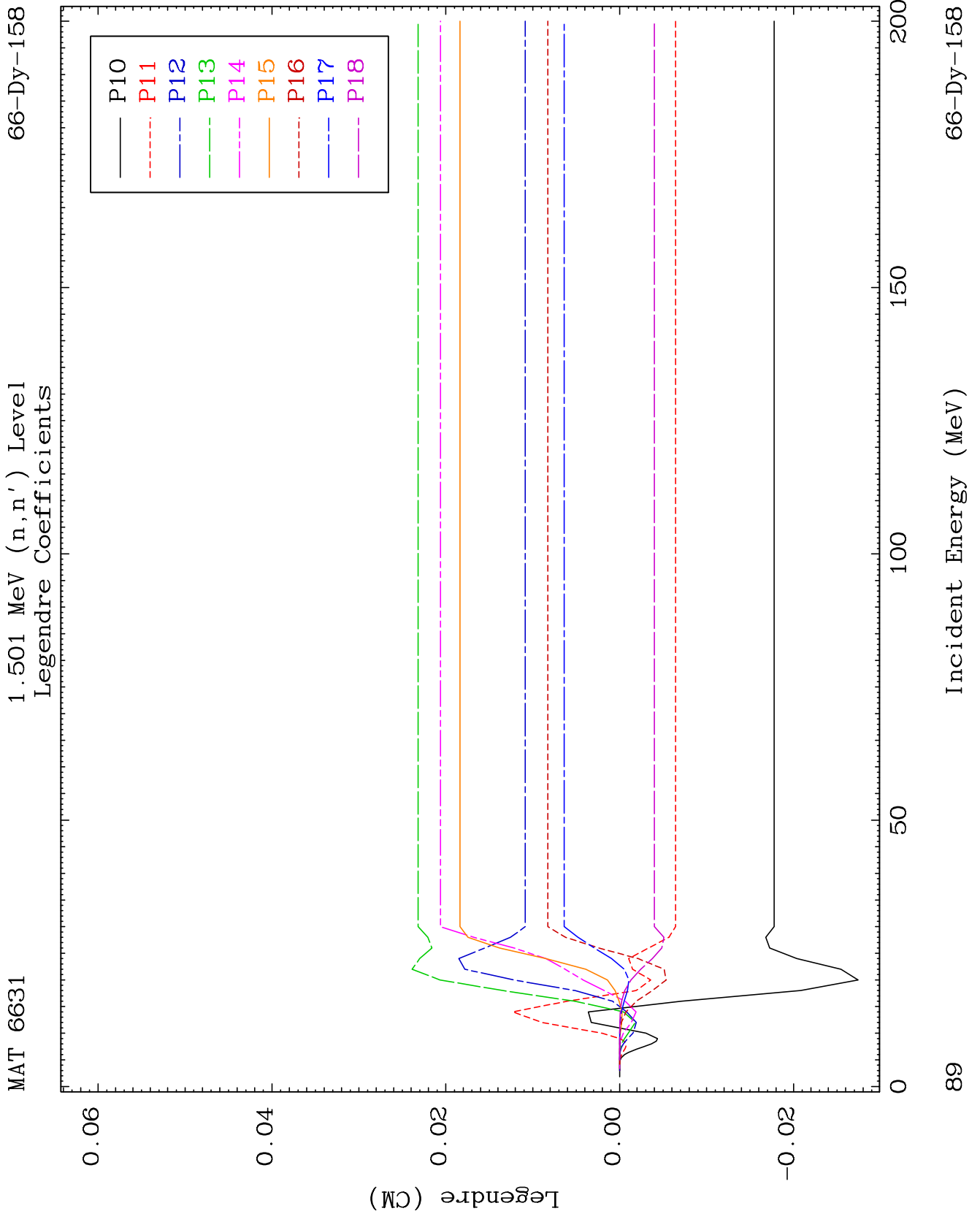
1.486 MeV (n,n') Level  
Legendre Coefficients

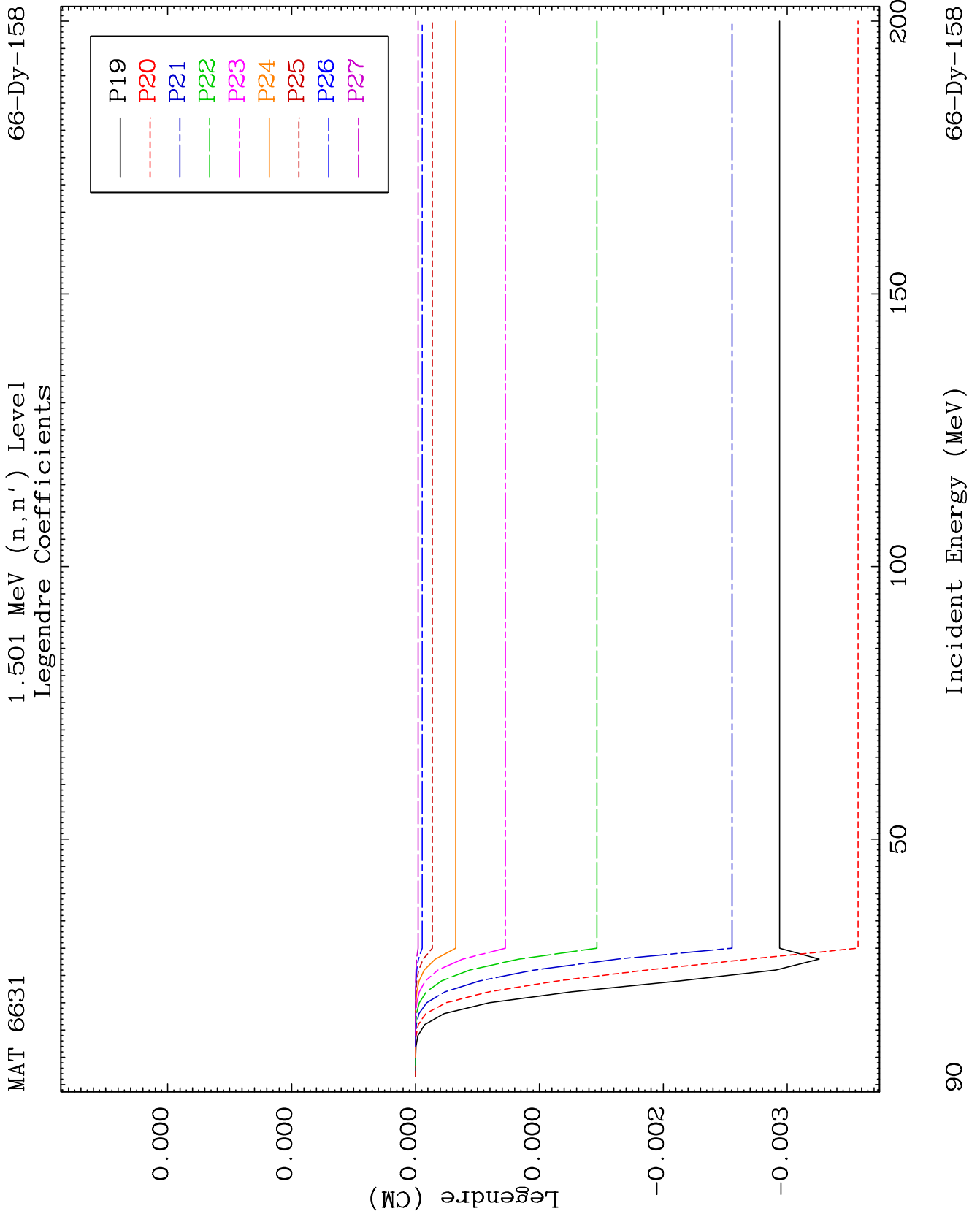
66-Dy-158

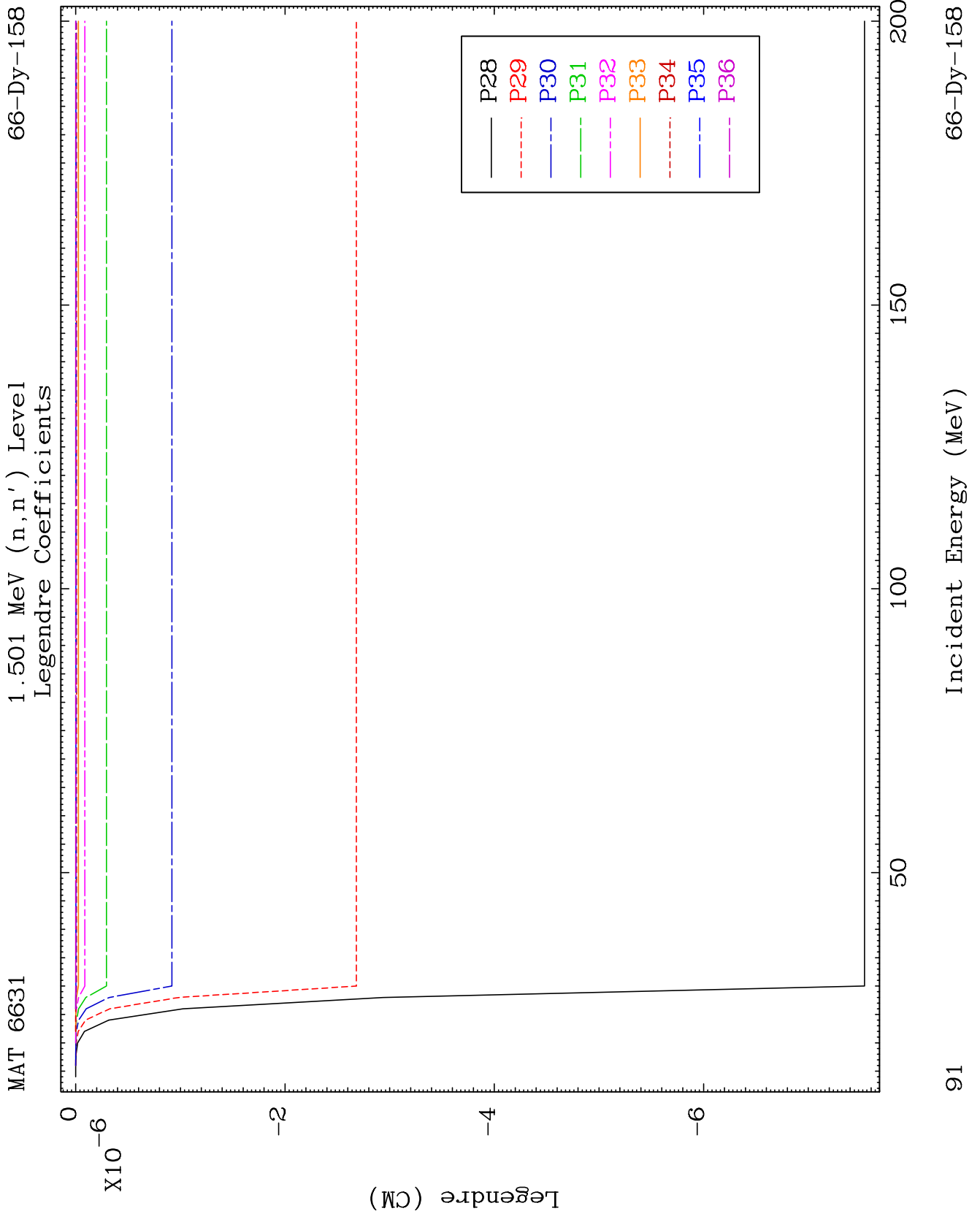


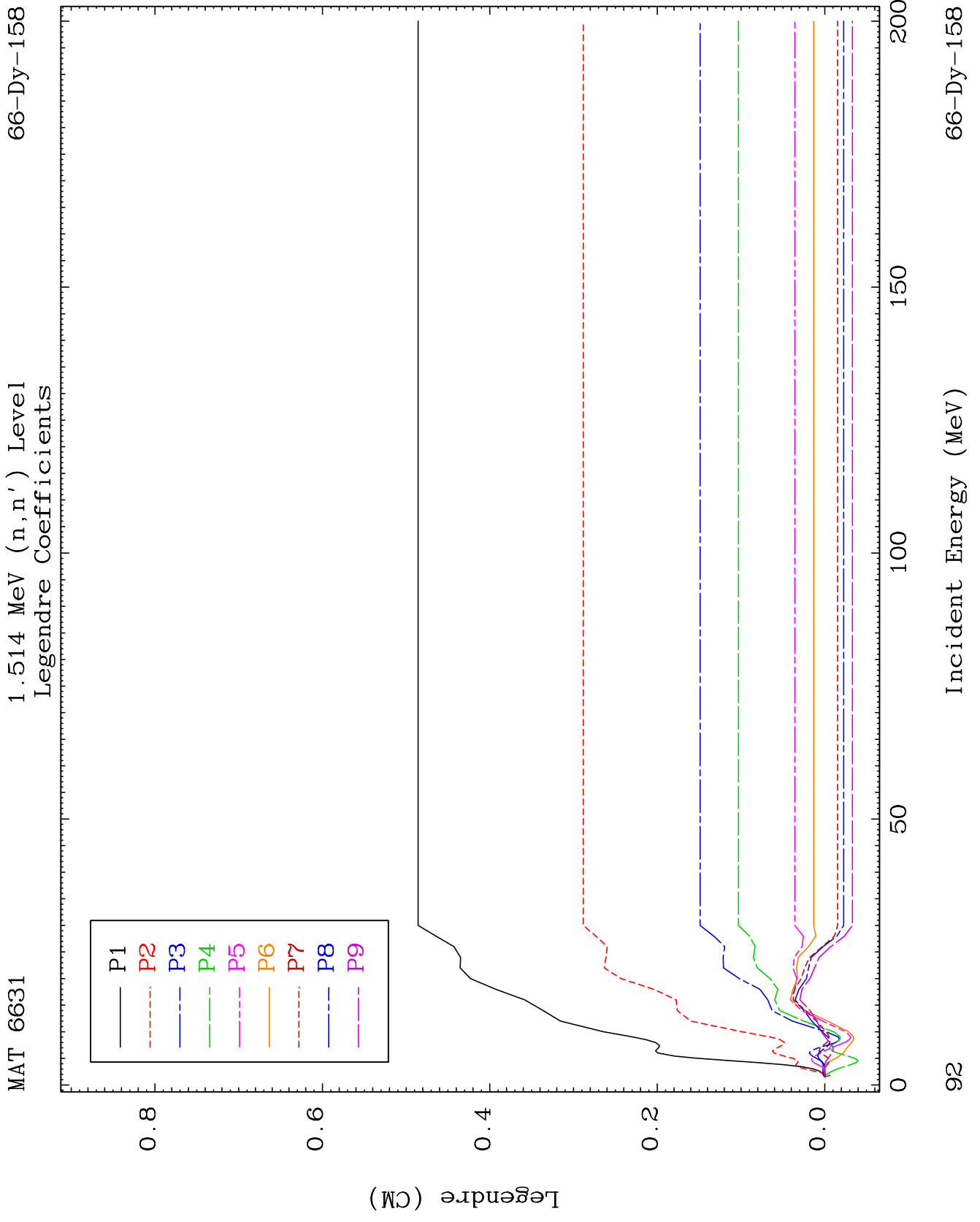










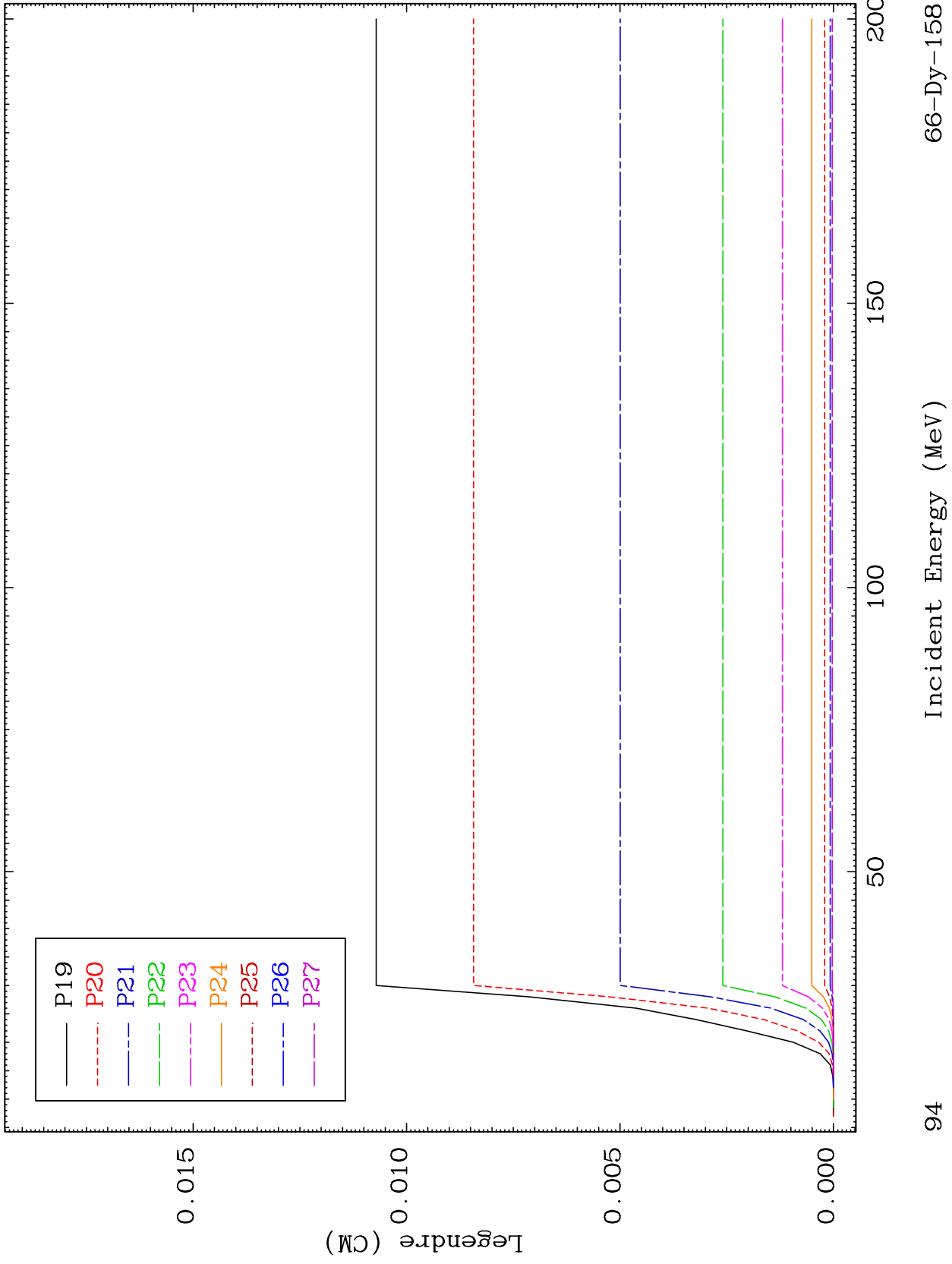




MAT 6631

1.514 MeV (n,n') Level  
Legendre Coefficients

66-Dy-158



94

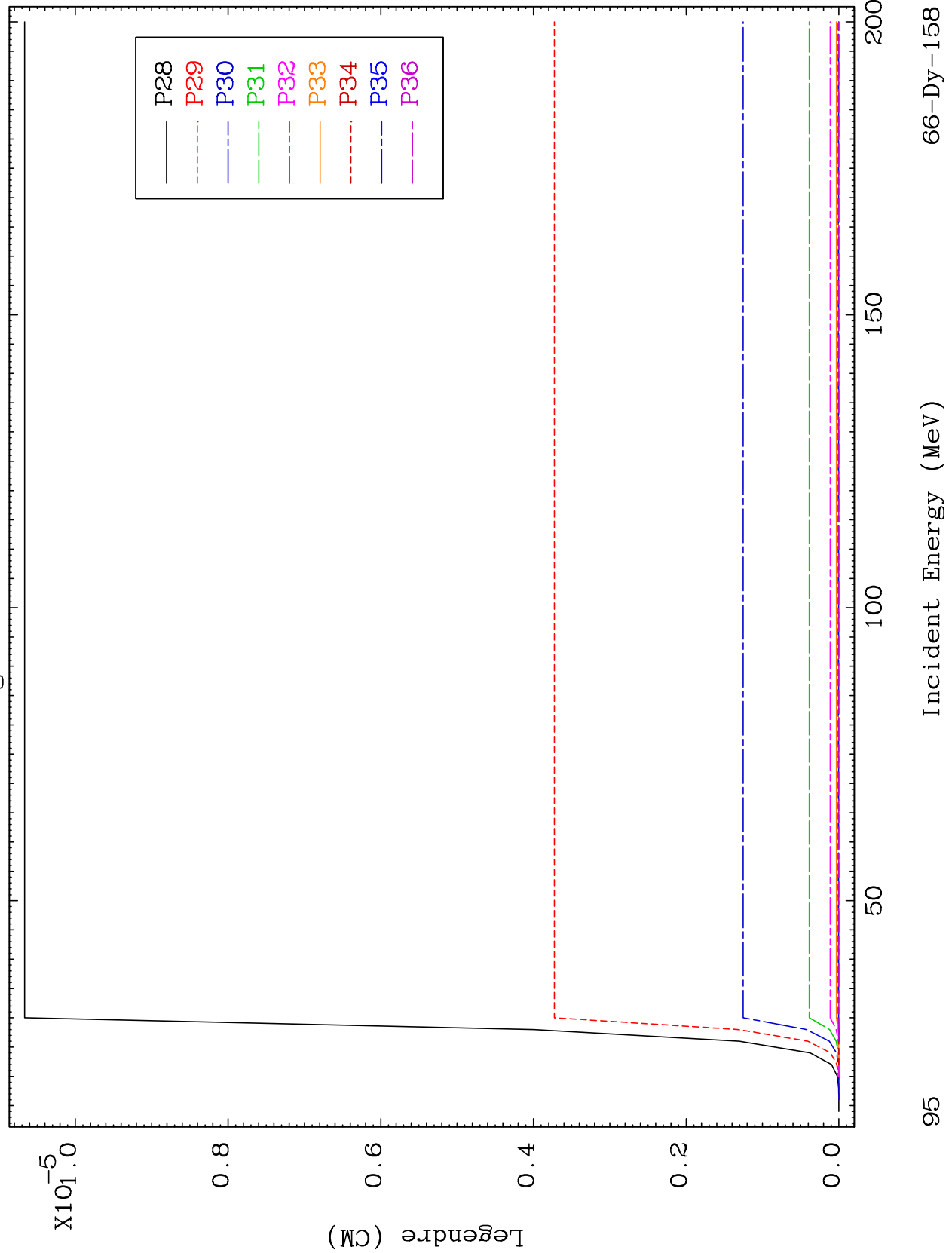
Incident Energy (MeV)

66-Dy-158

MAT 6631

1.514 MeV (n, n') Level  
Legendre Coefficients

66-Dy-158

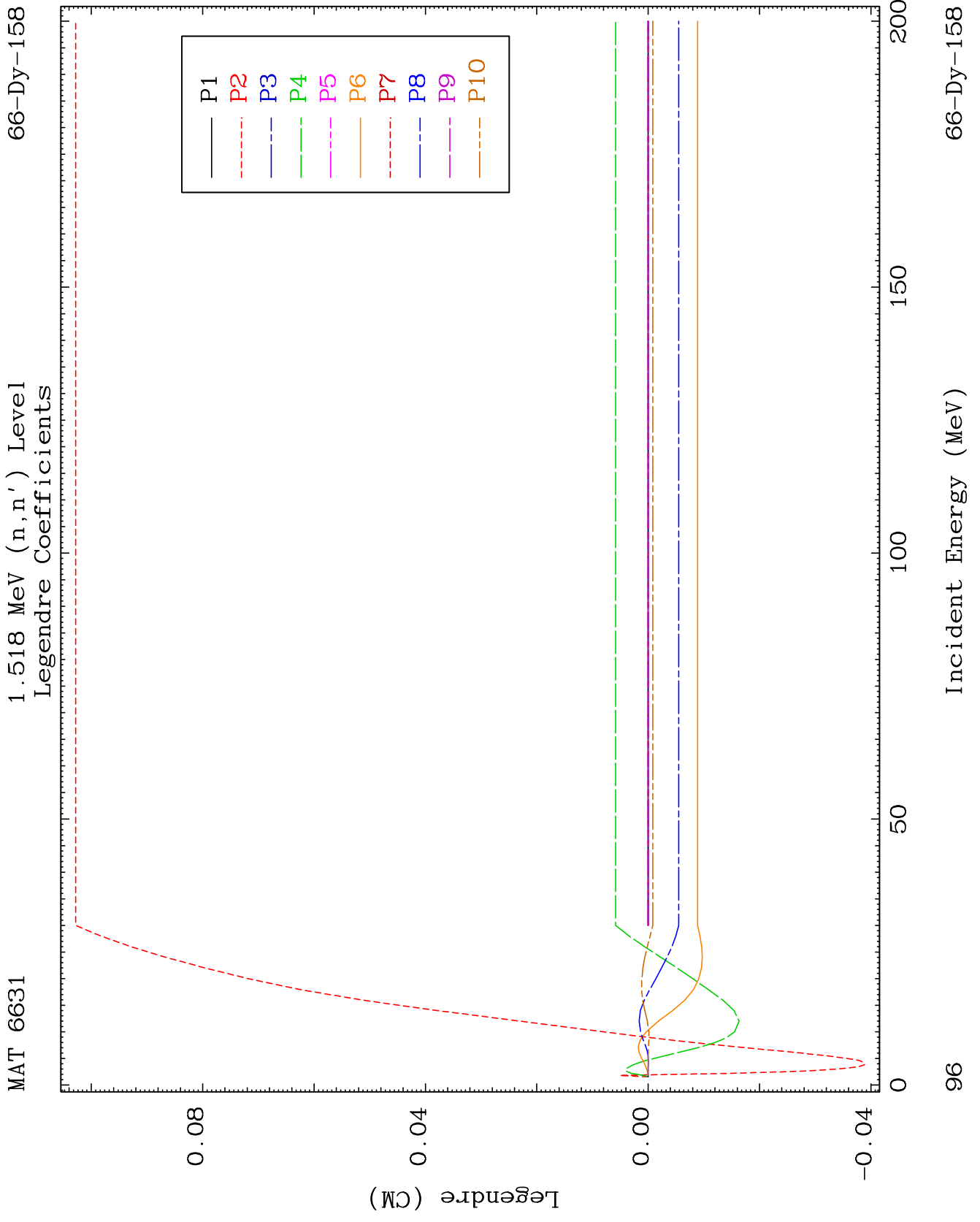


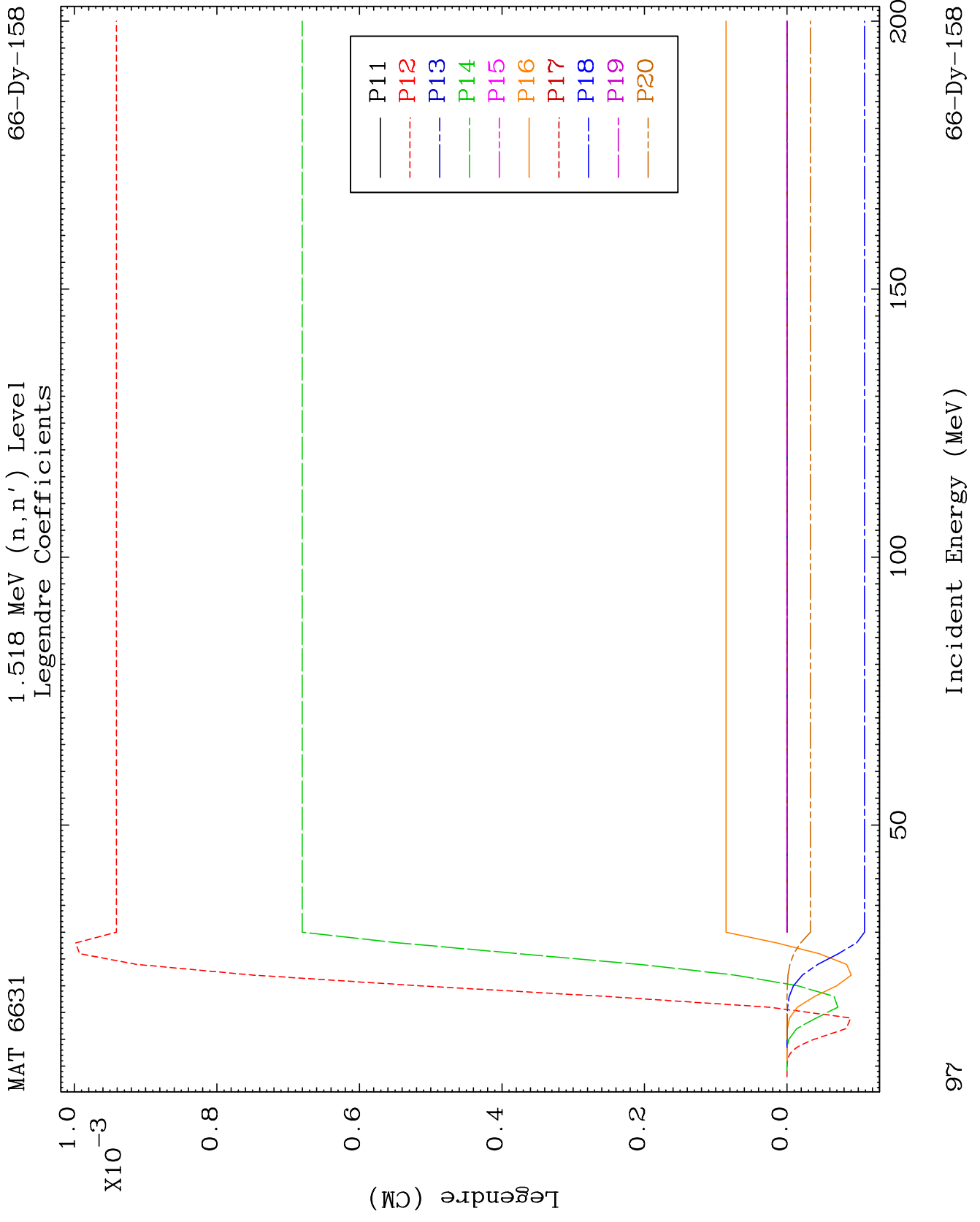
66-Dy-158

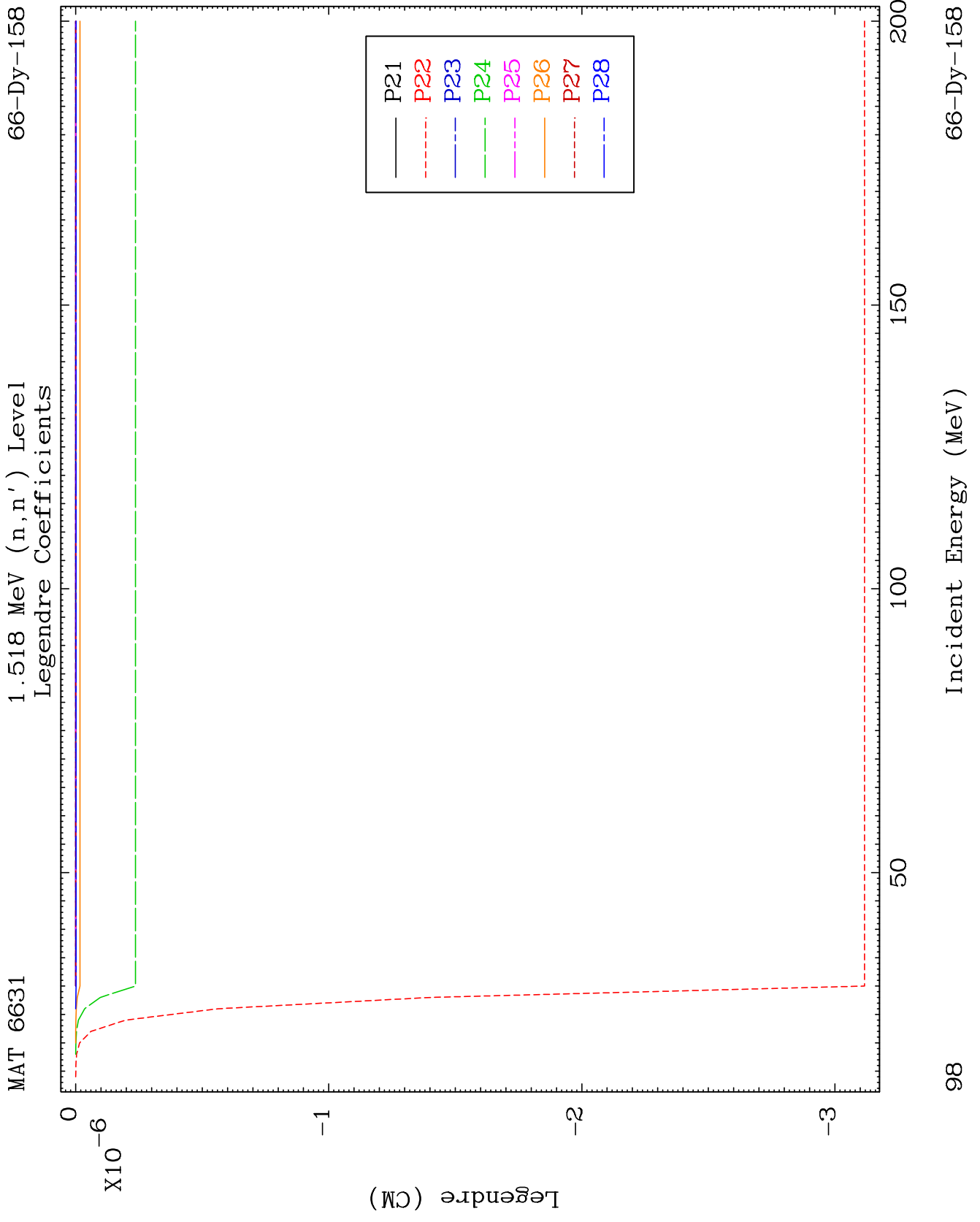
Incident Energy (MeV)

95





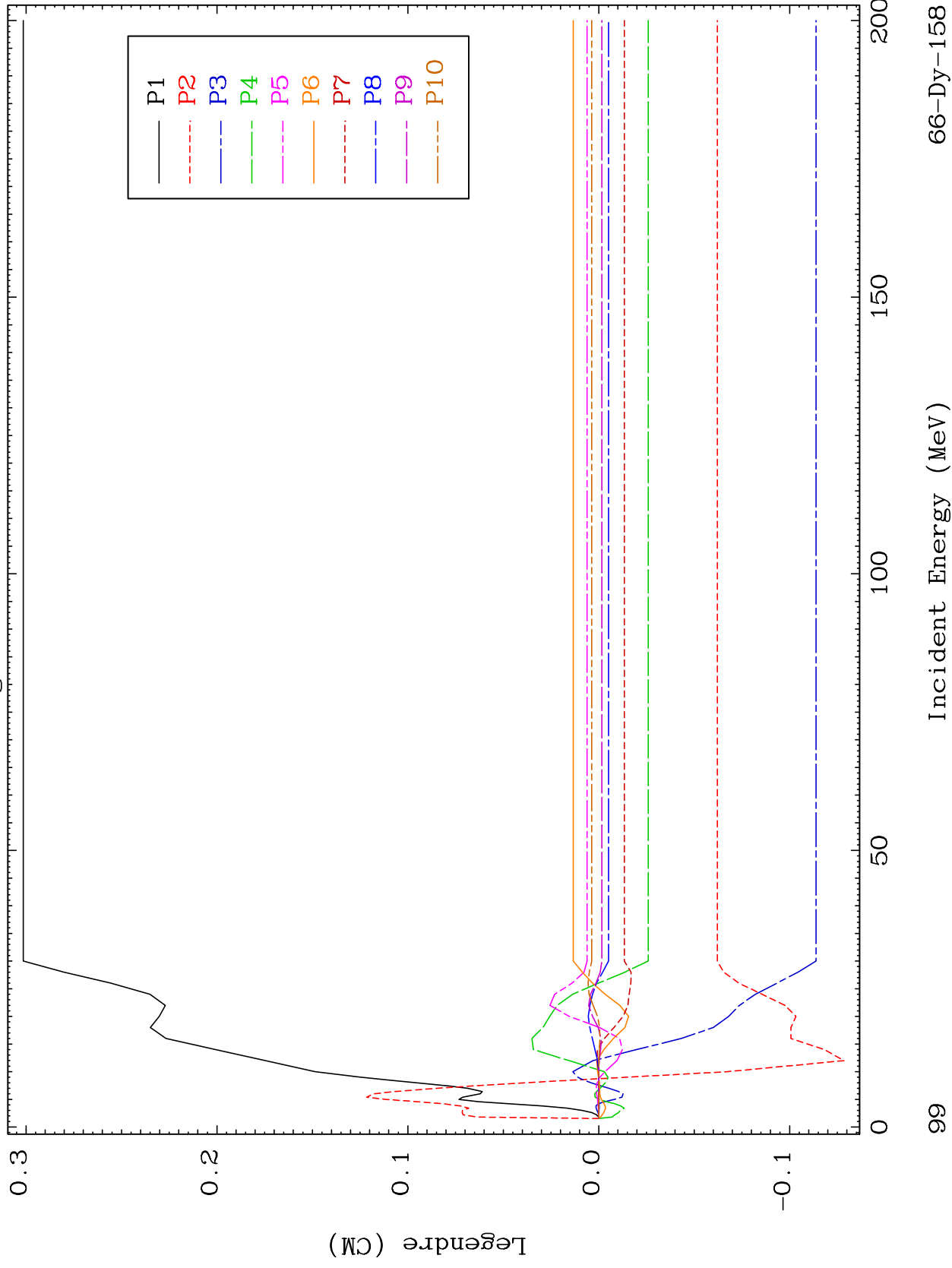




MAT 6631

1.520 MeV (n,n') Level  
Legendre Coefficients

66-Dy-158



66-Dy-158

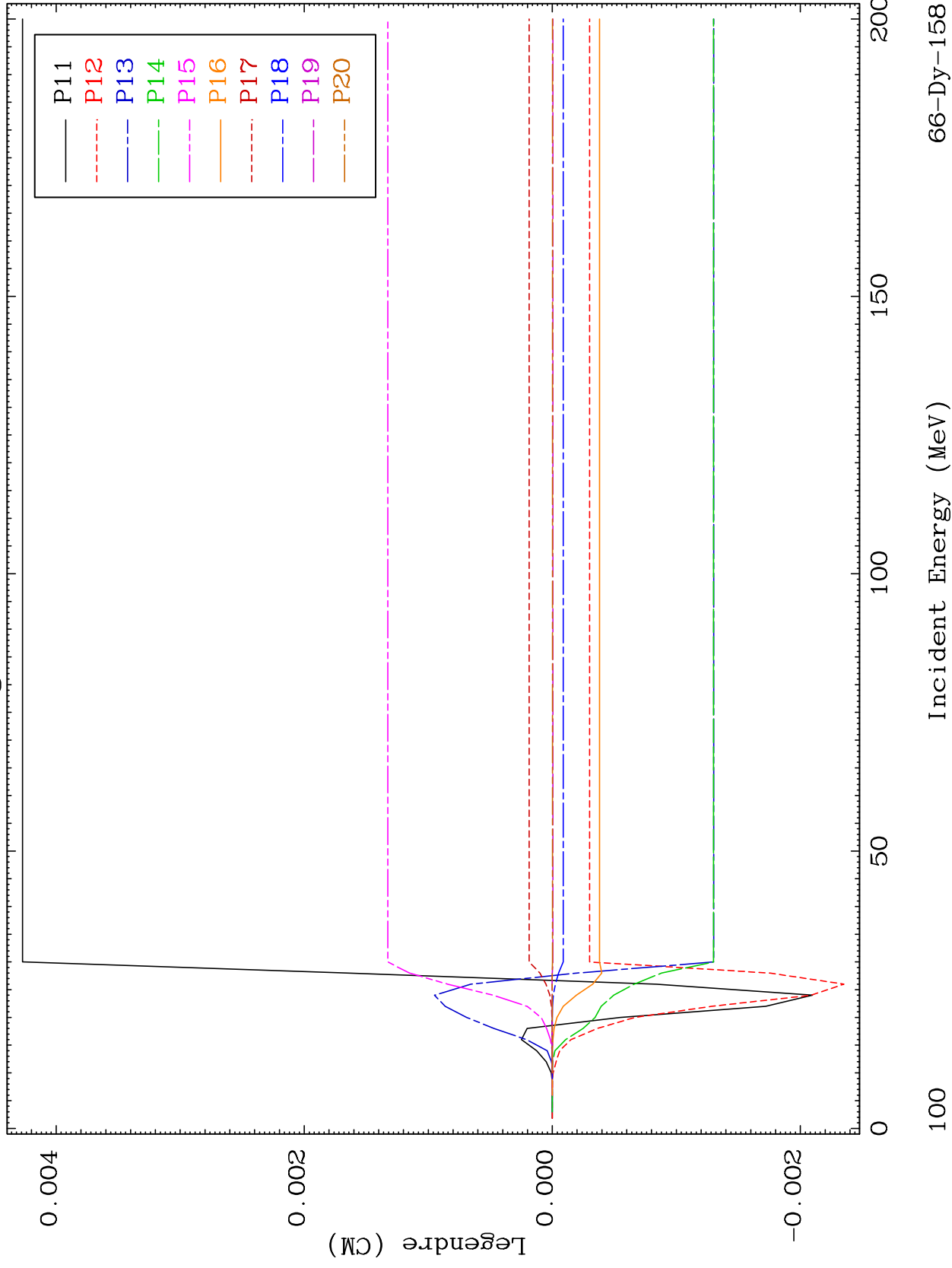
Incident Energy (MeV)

99

MAT 6631

1.520 MeV (n,n') Level  
Legendre Coefficients

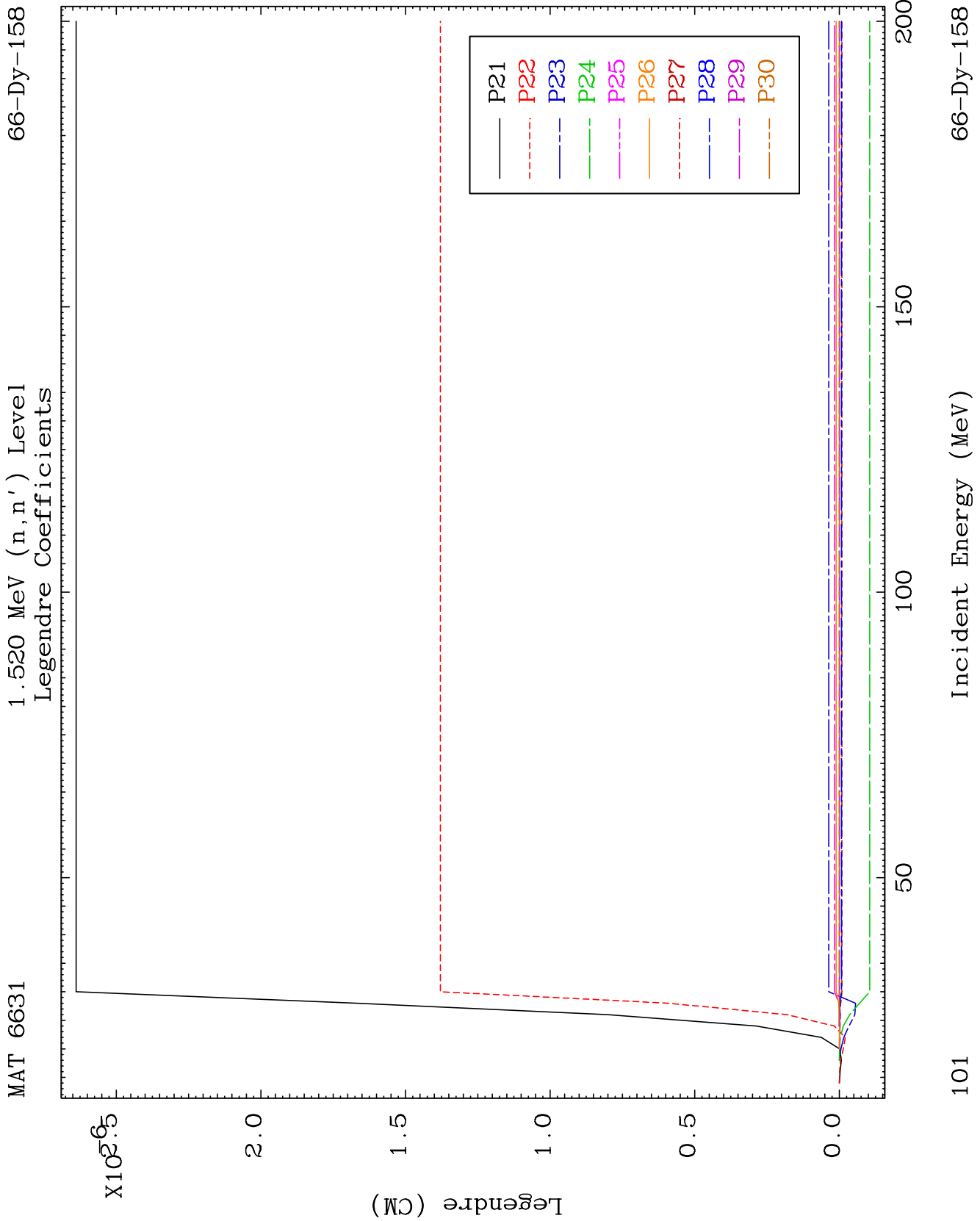
66-Dy-158



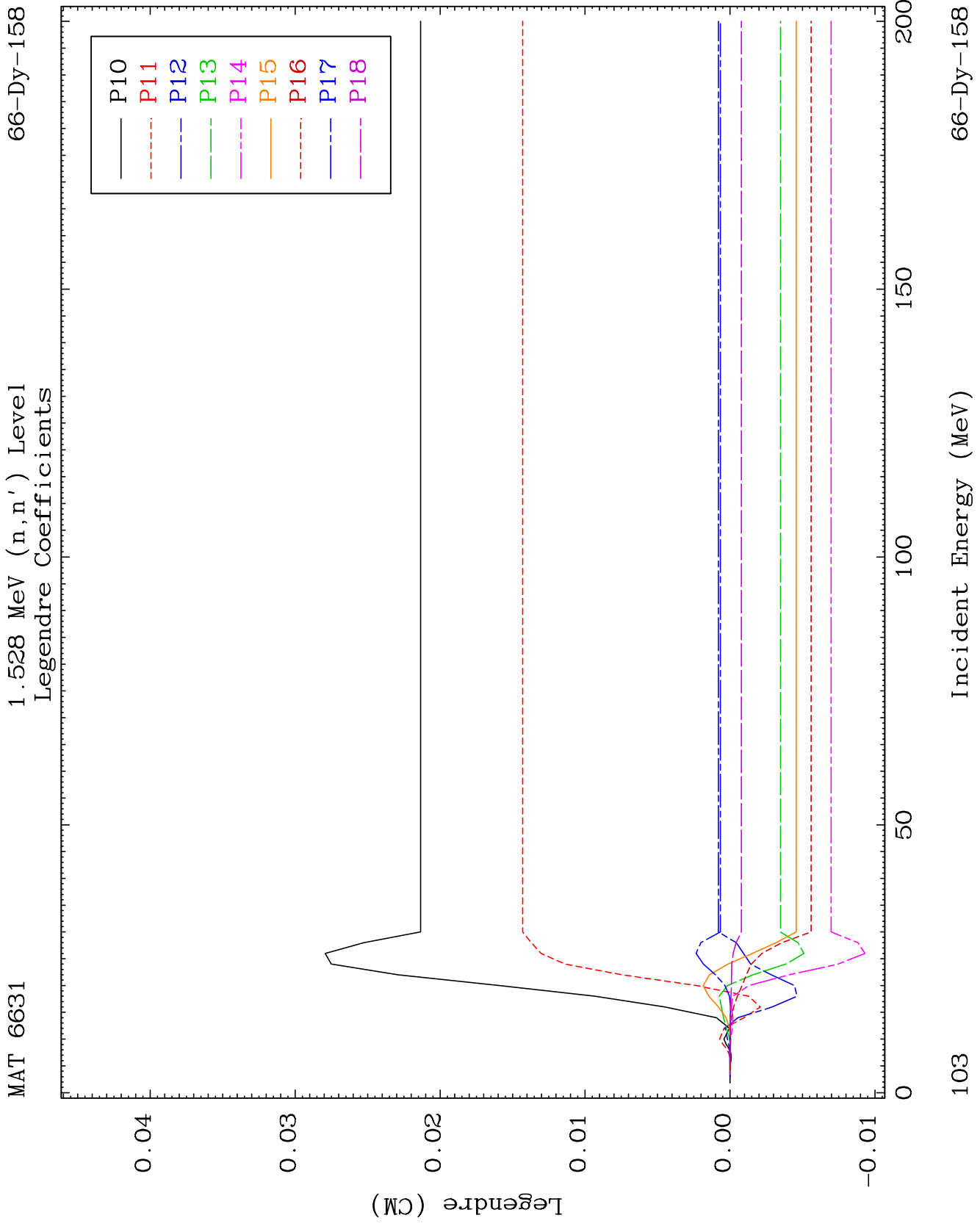
66-Dy-158

Incident Energy (MeV)

100





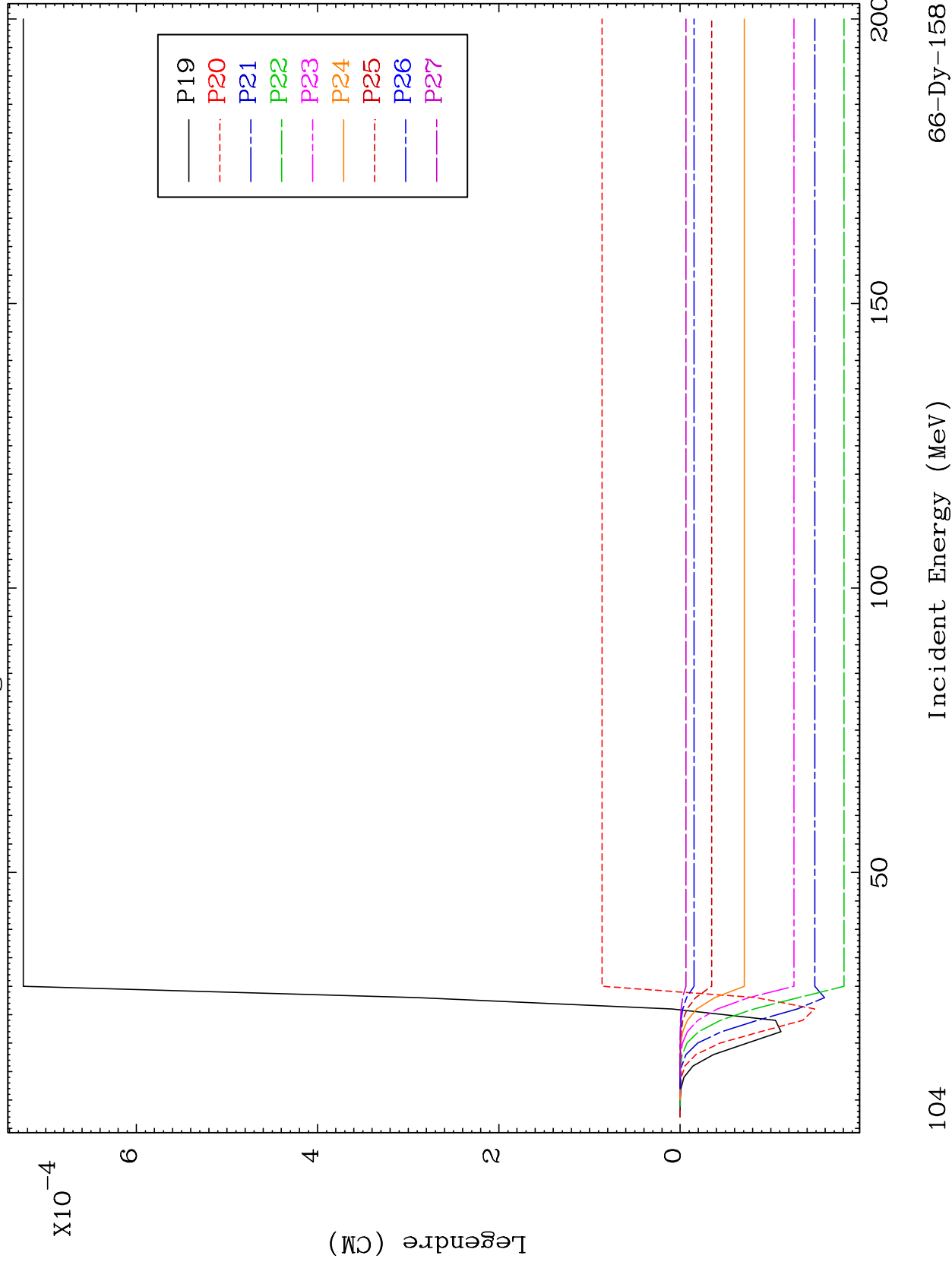




MAT 6631

1.528 MeV (n,n') Level  
Legendre Coefficients

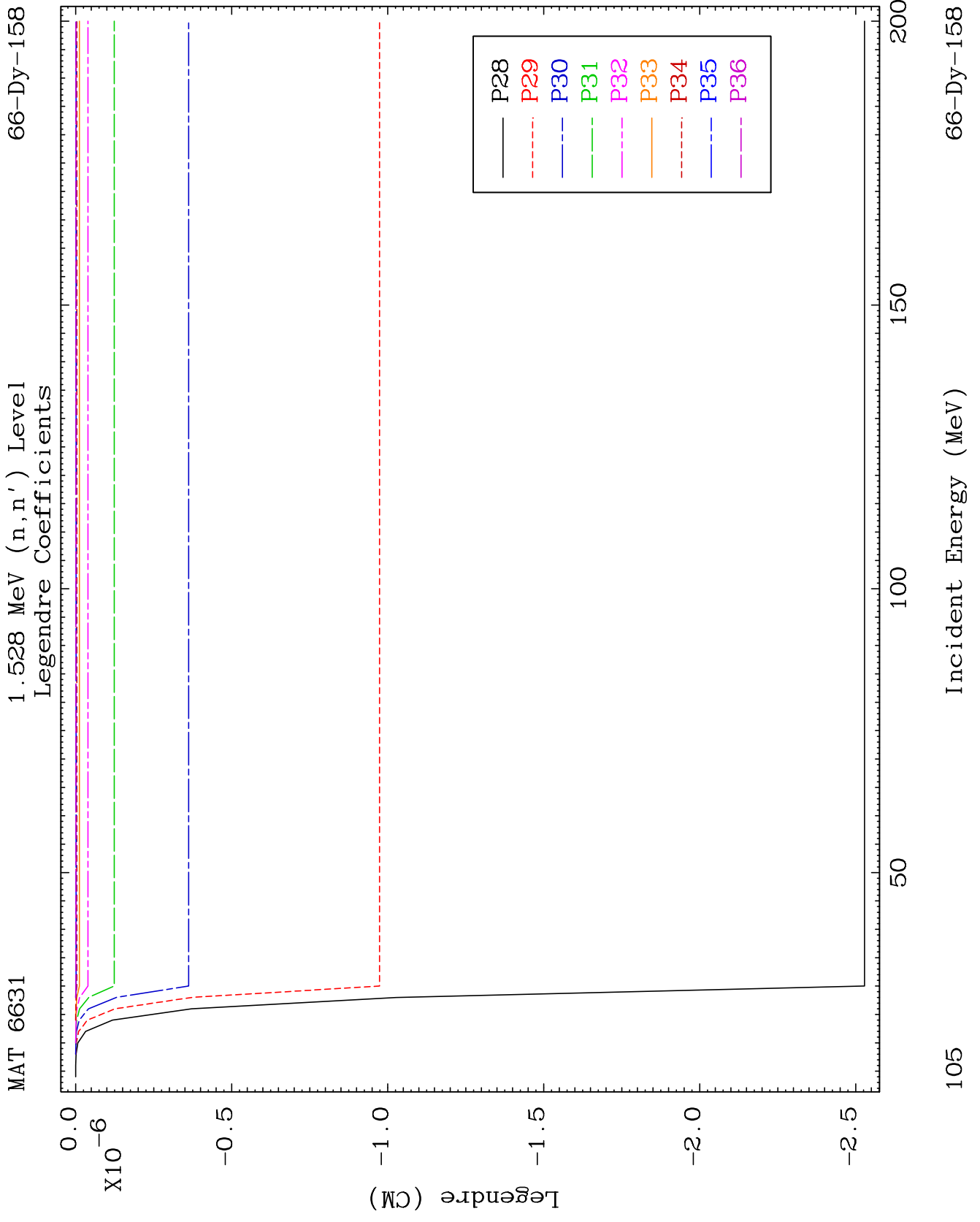
66-Dy-158

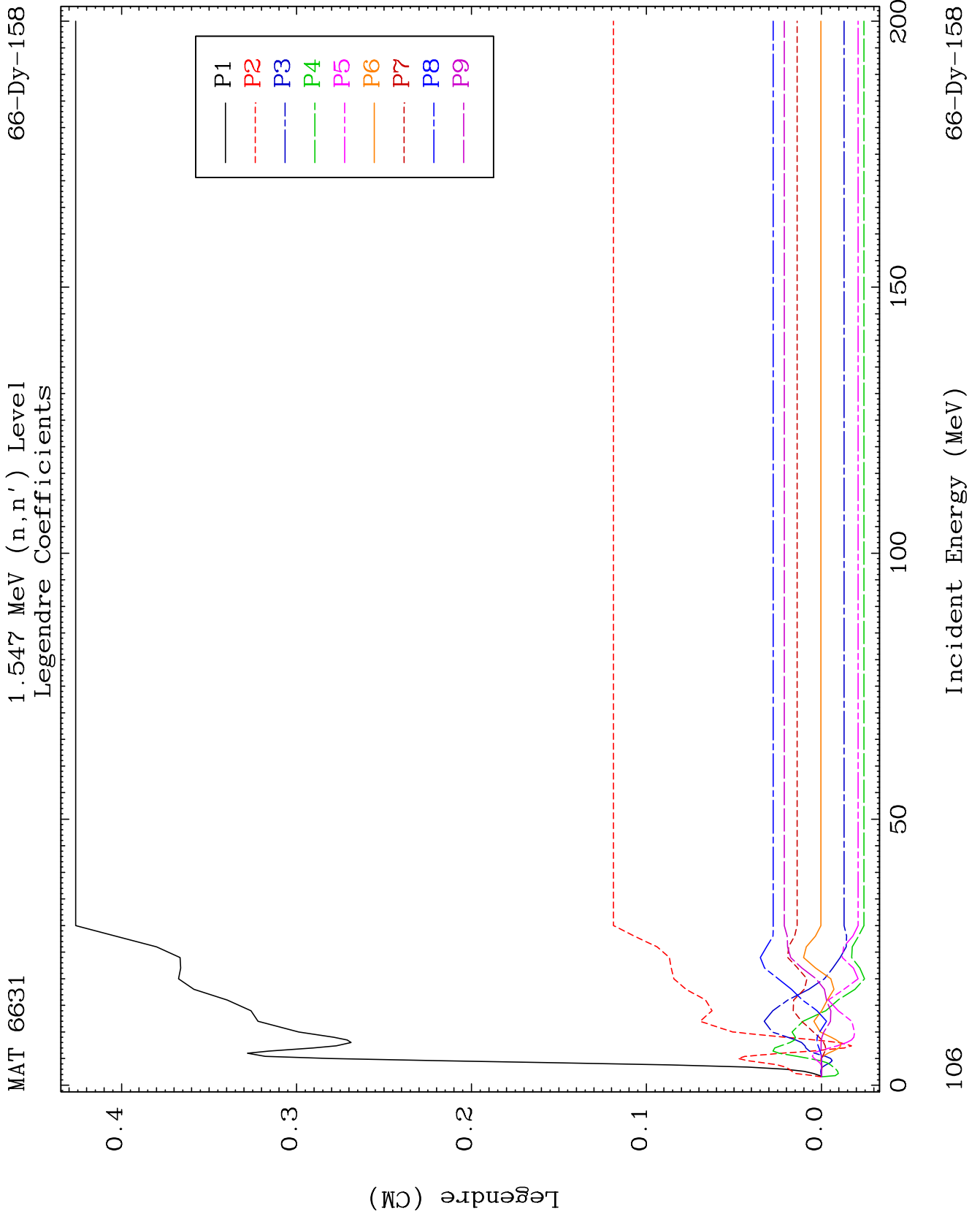


104

Incident Energy (MeV)

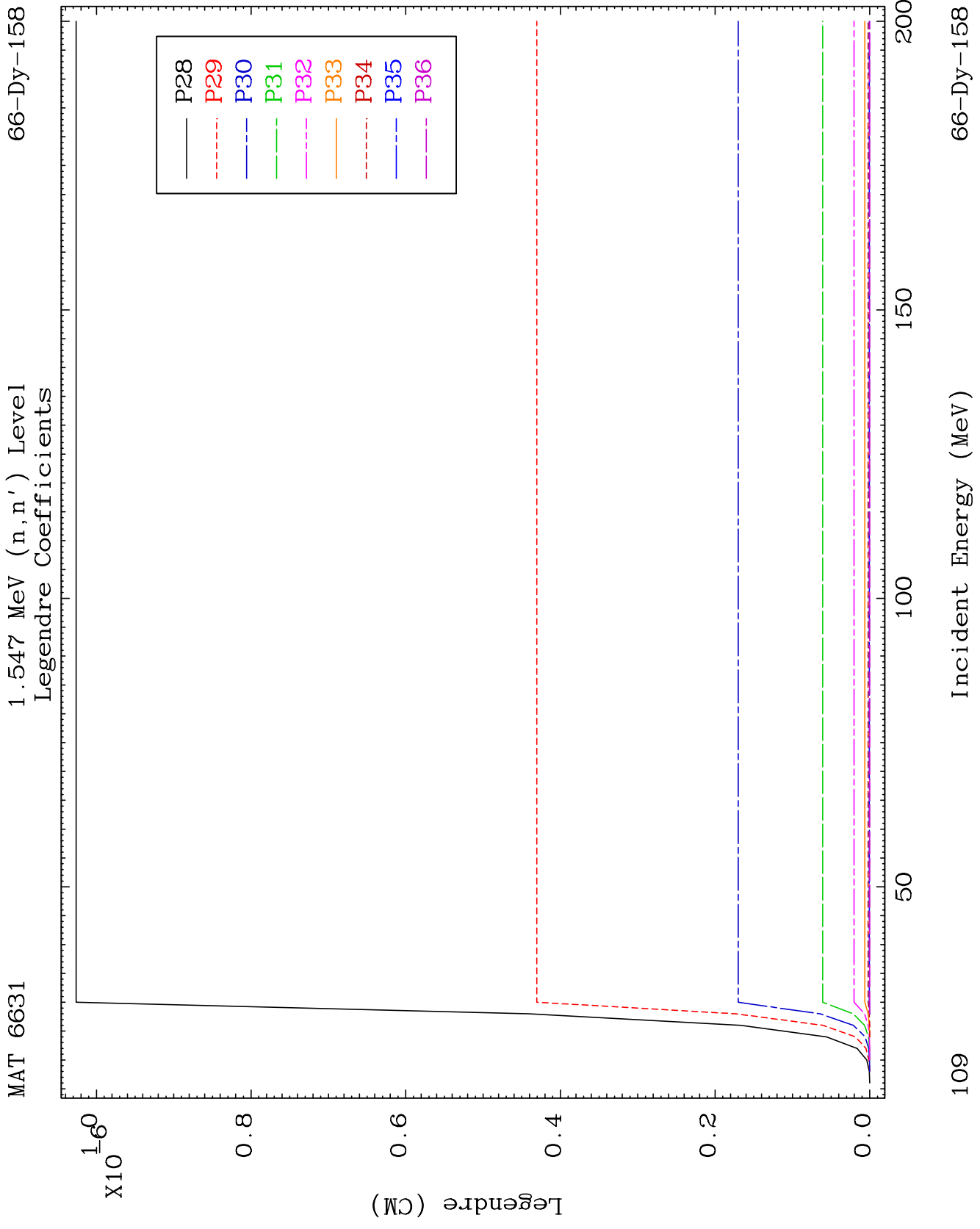
66-Dy-158

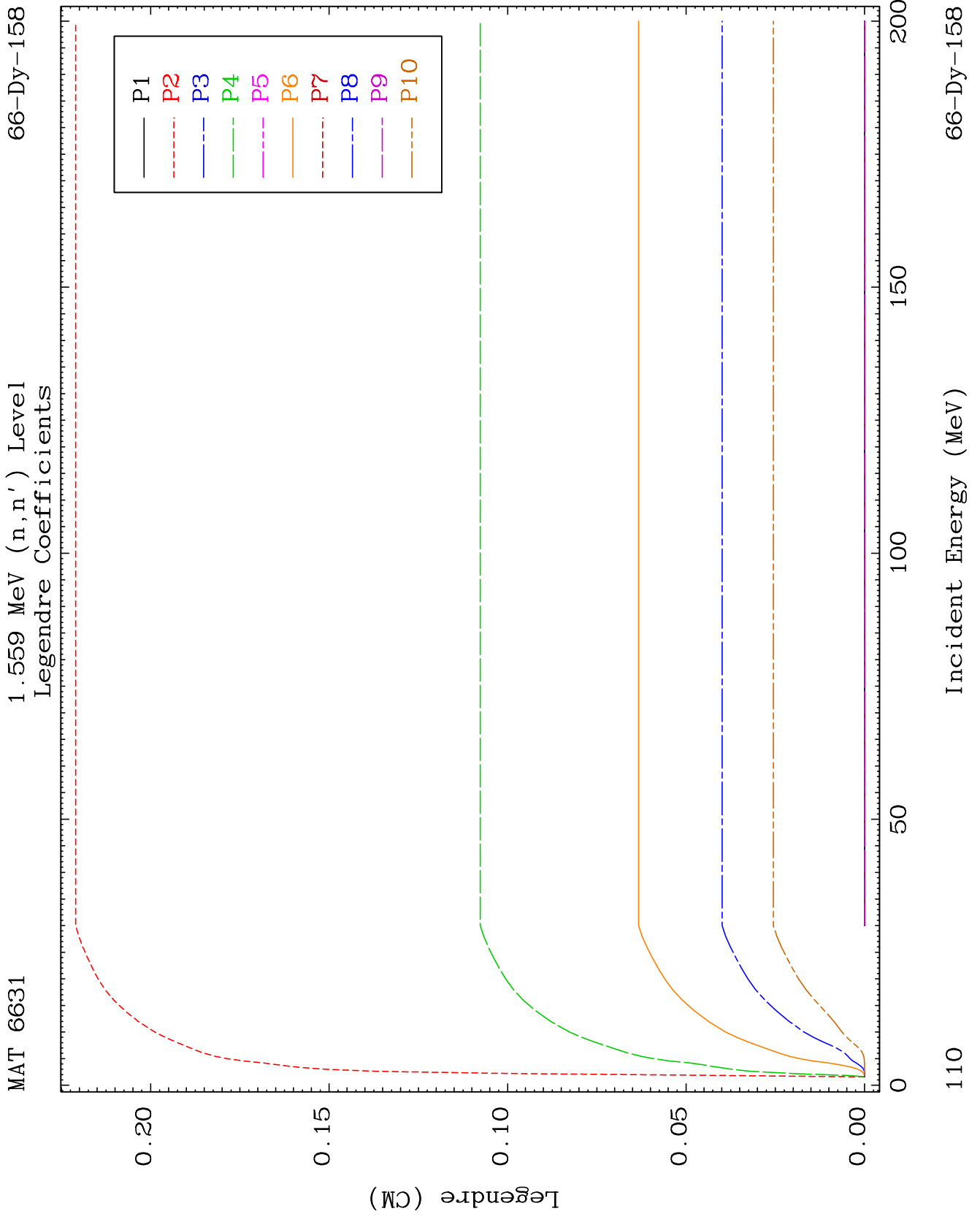






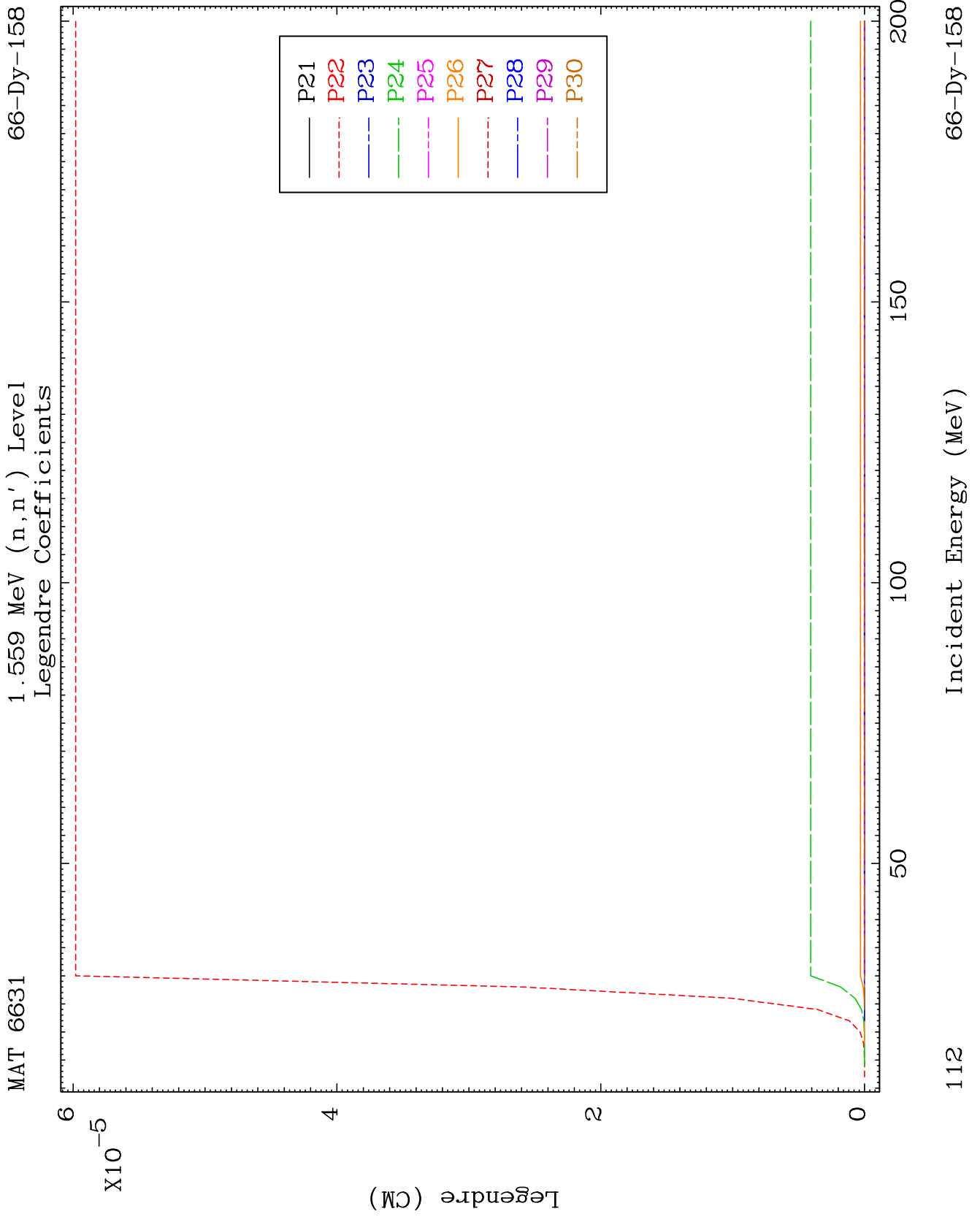


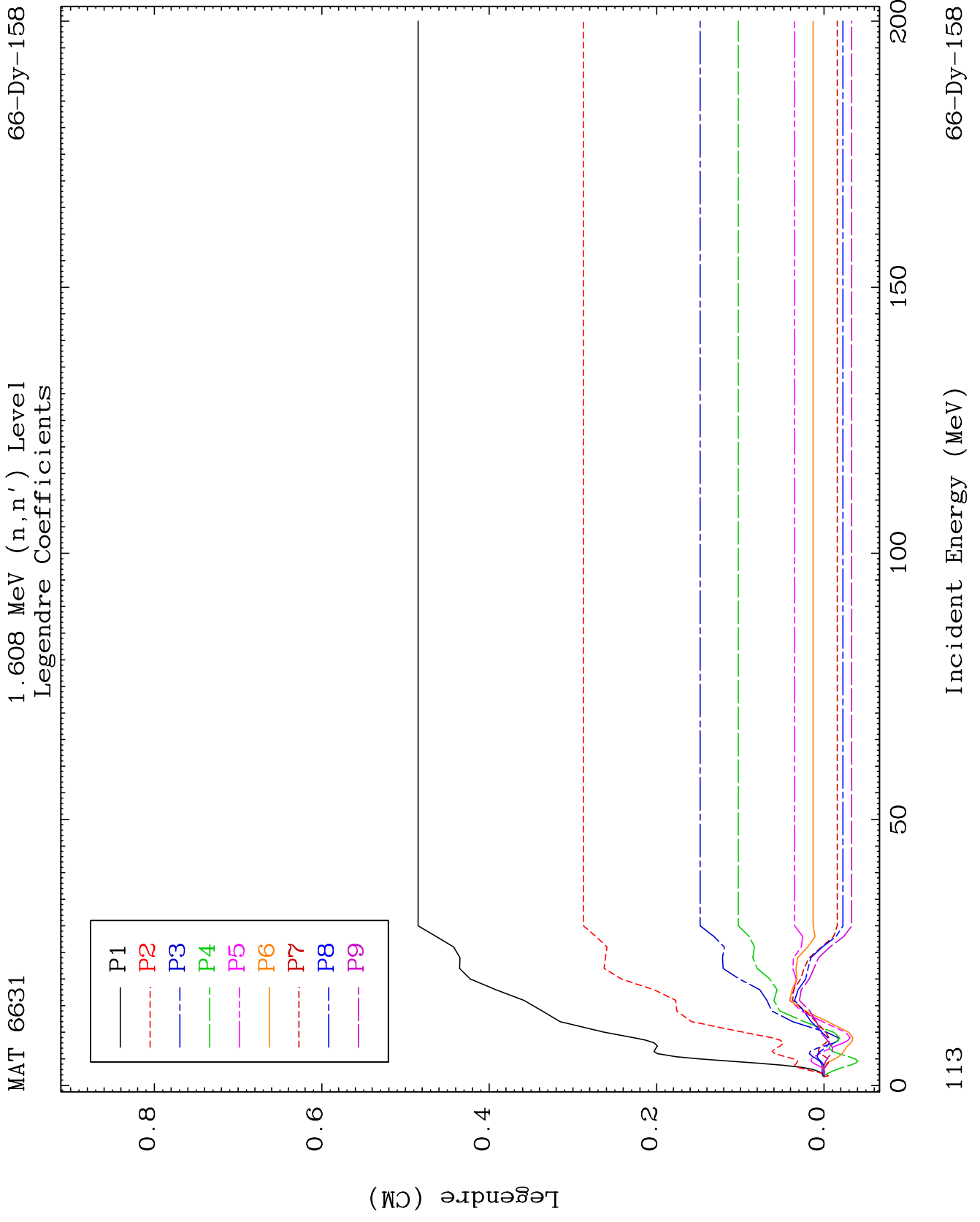


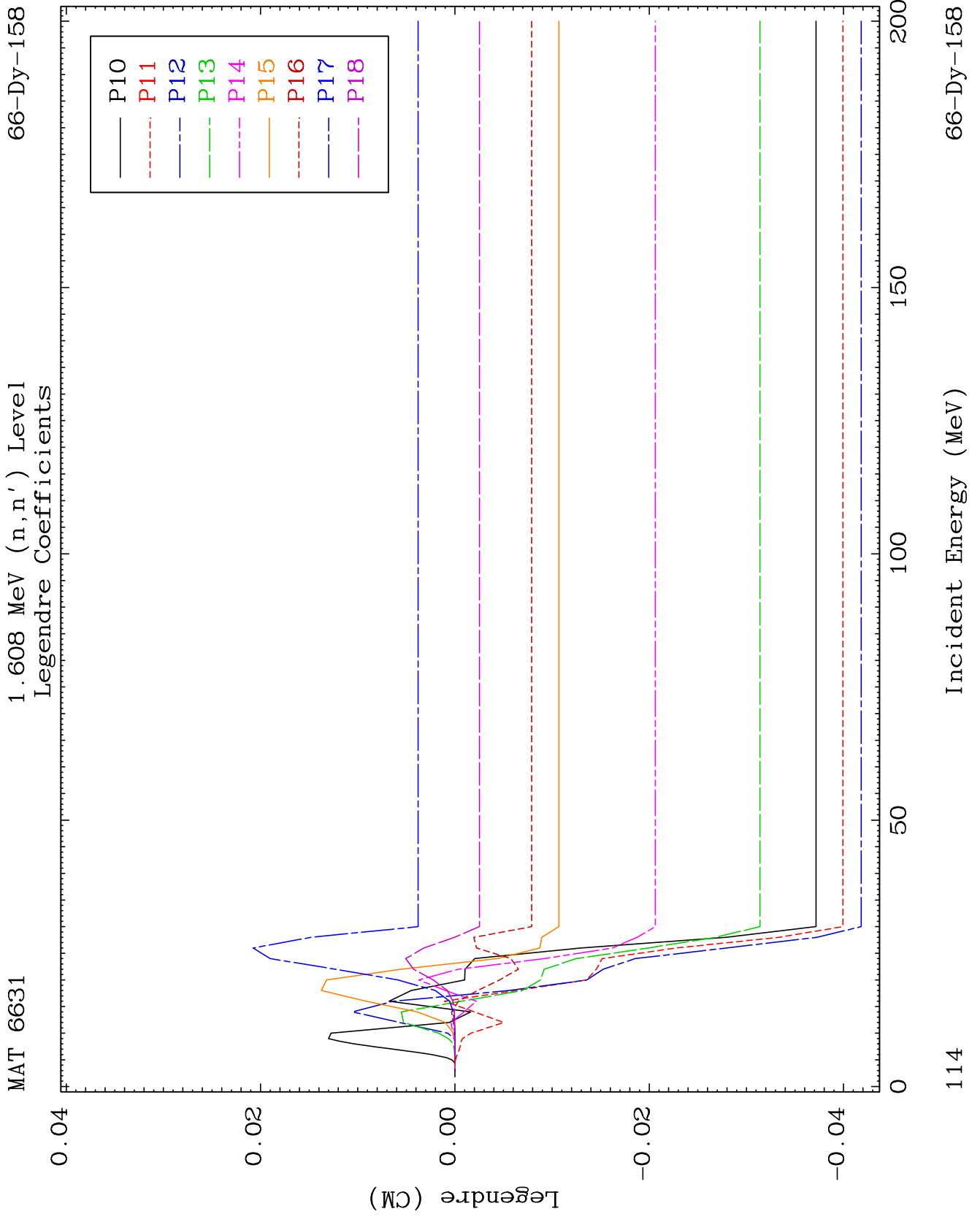


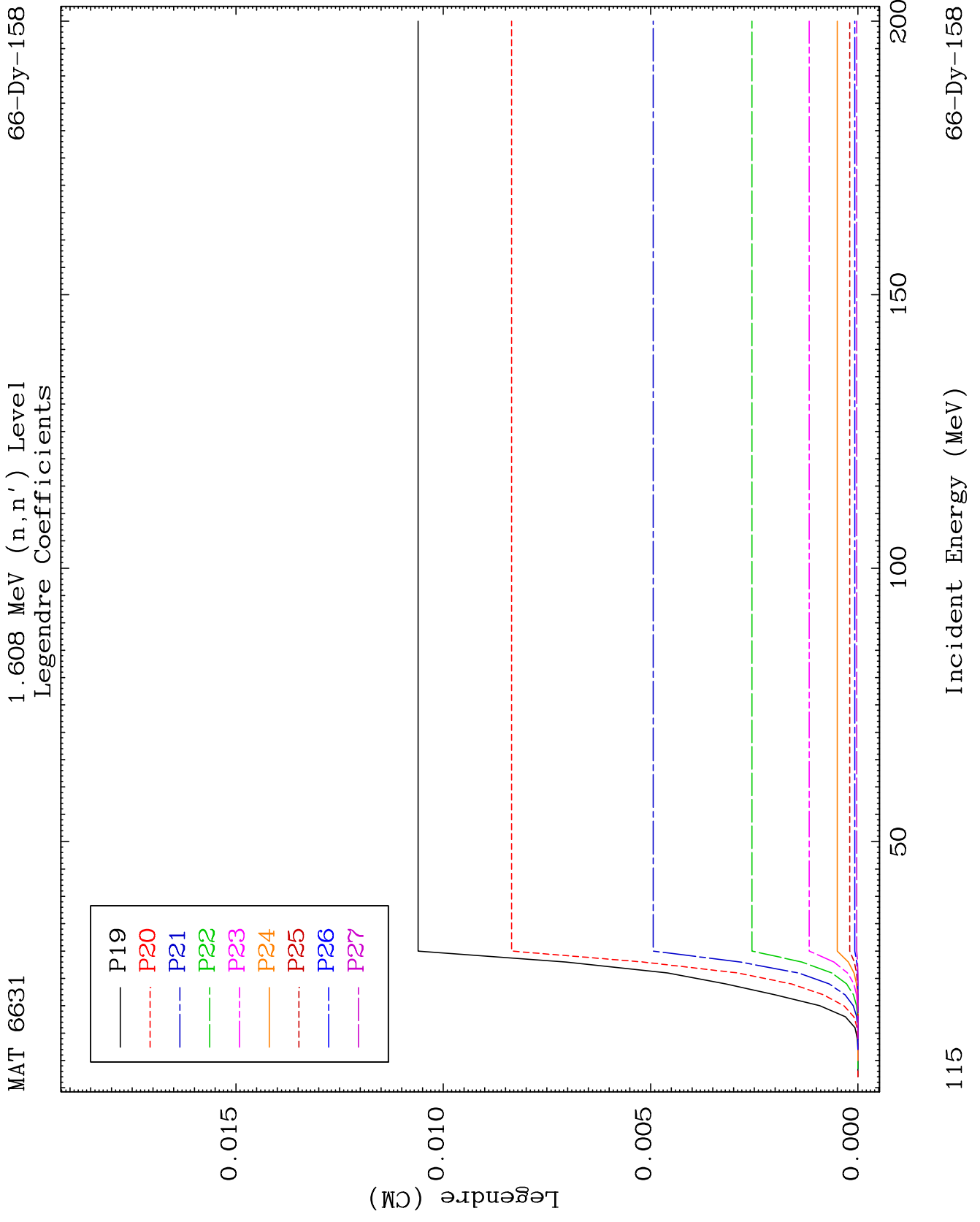


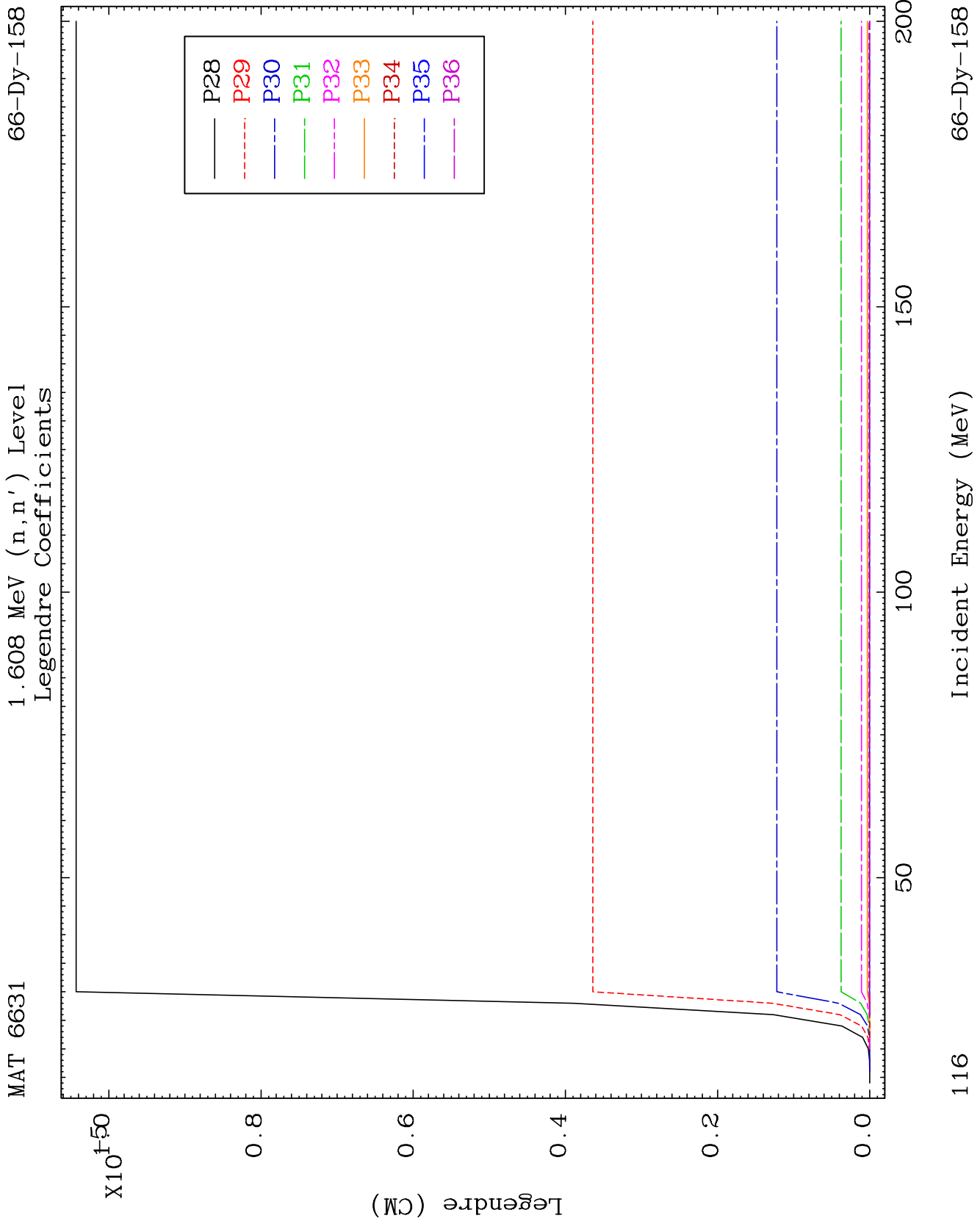


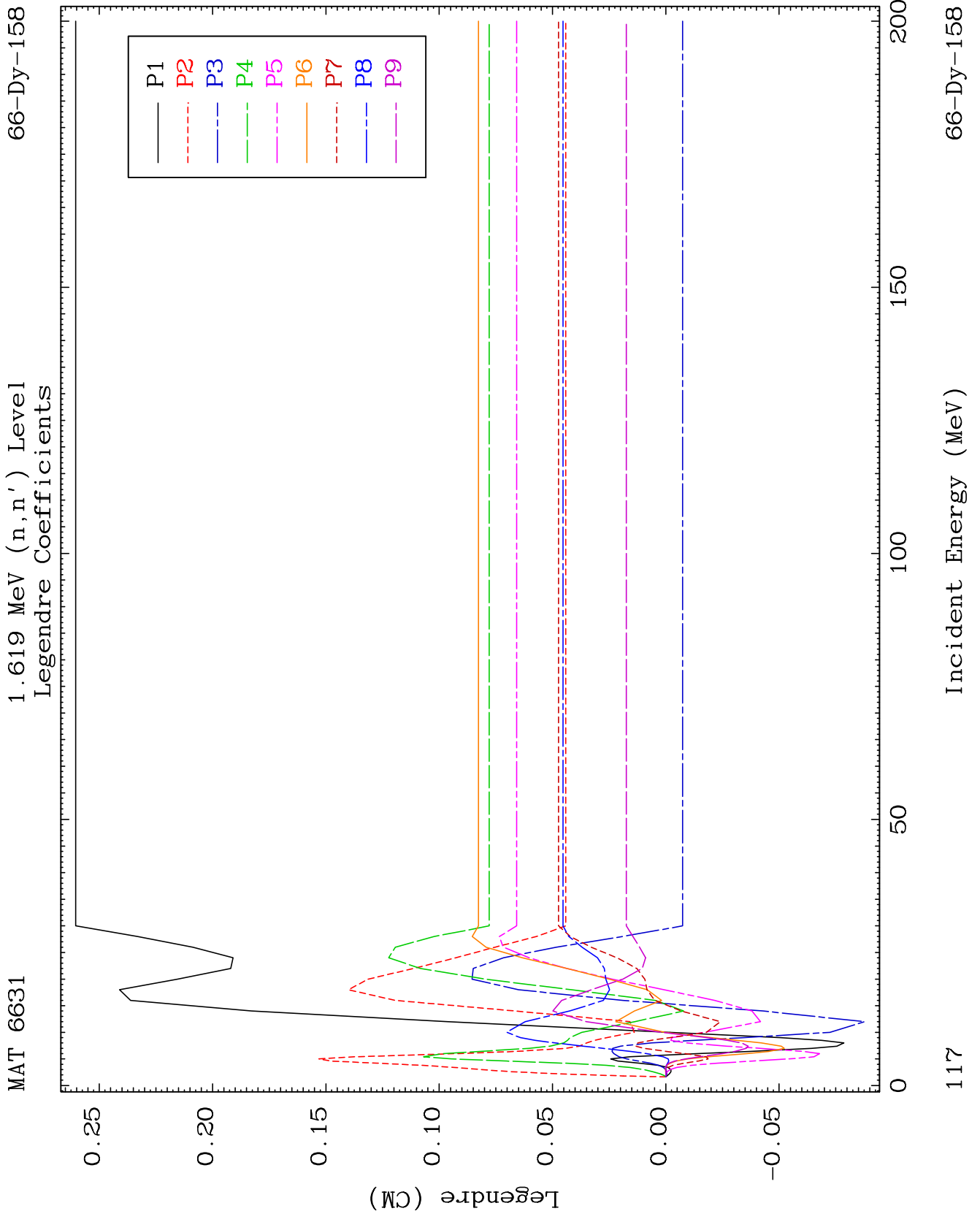


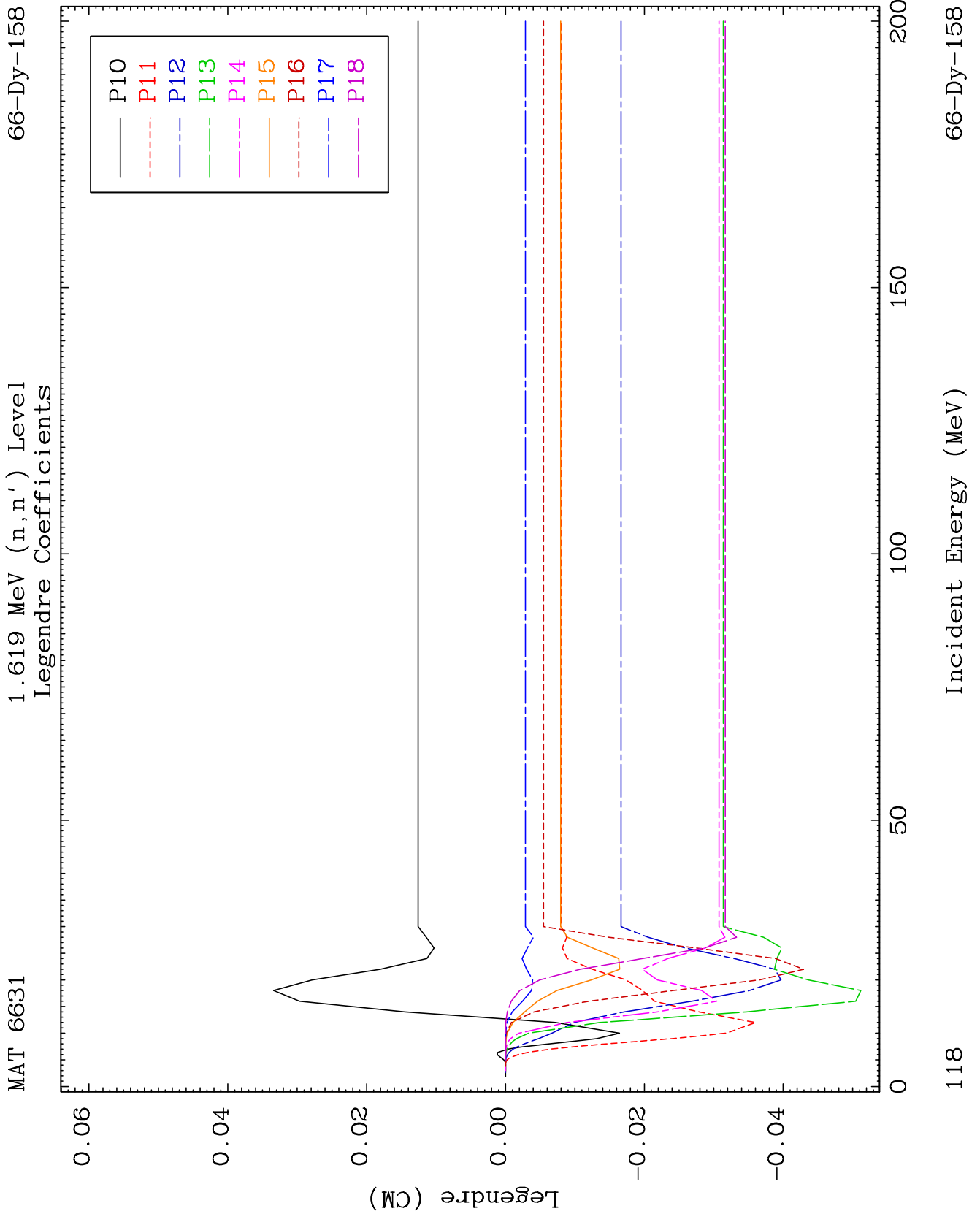






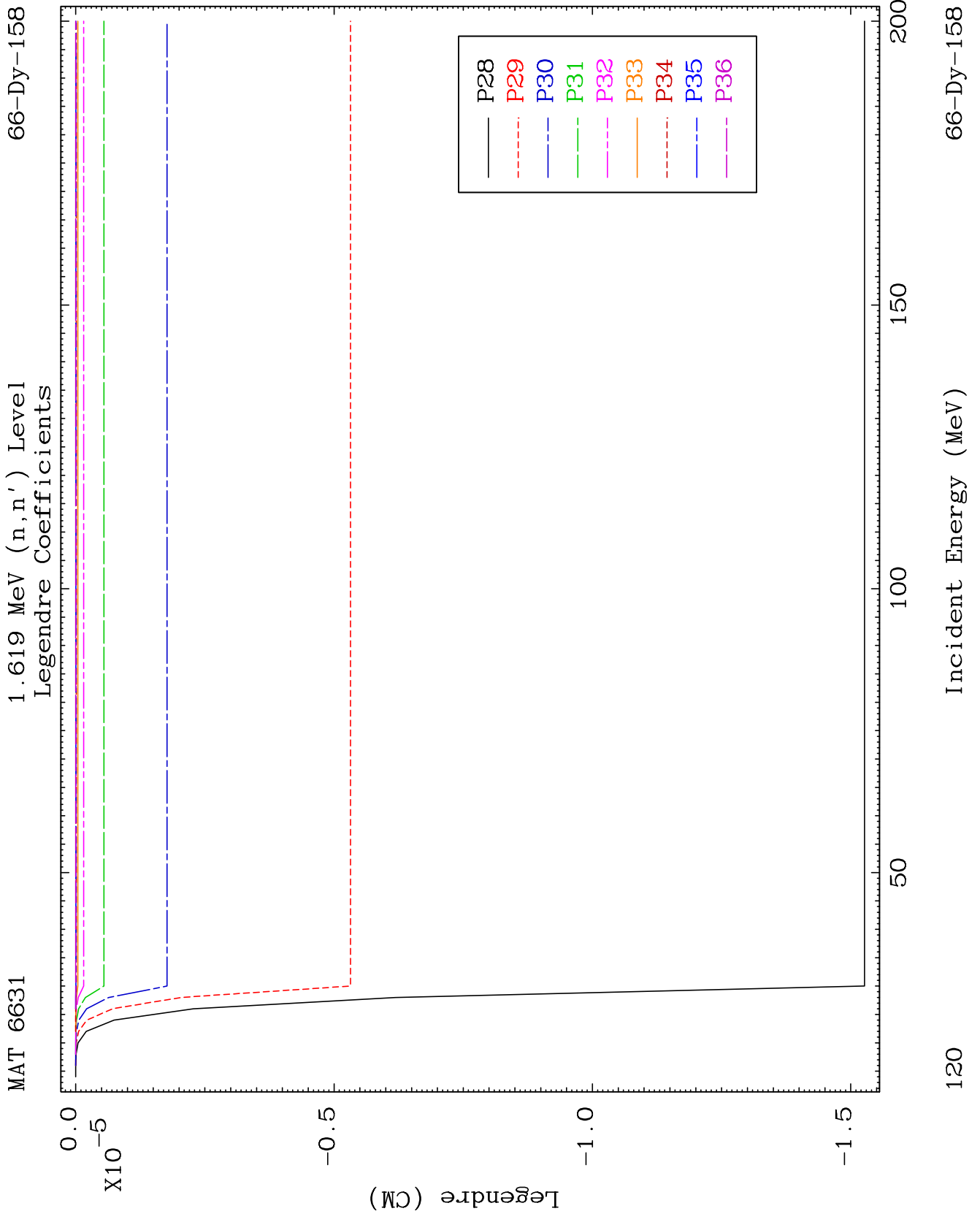


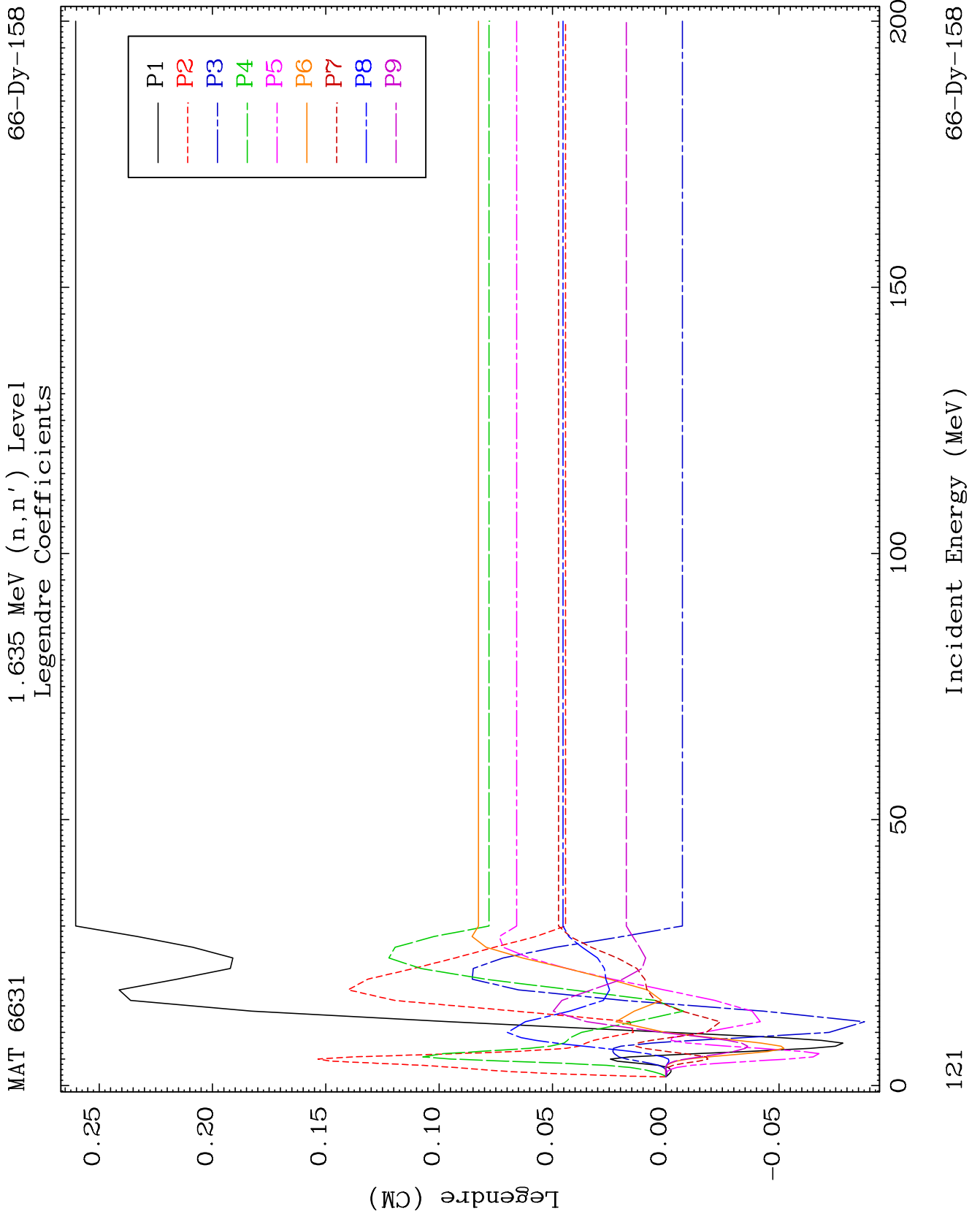


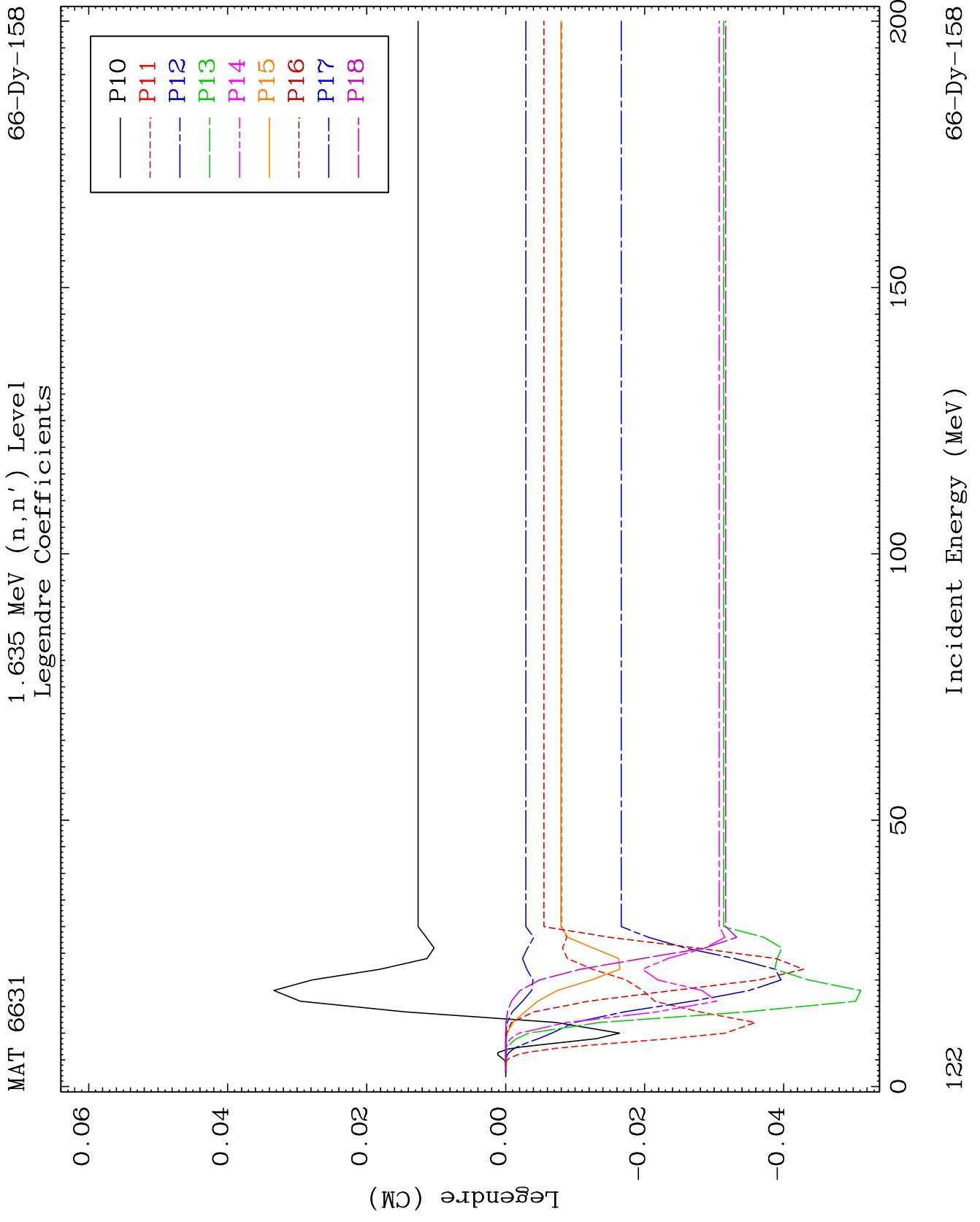




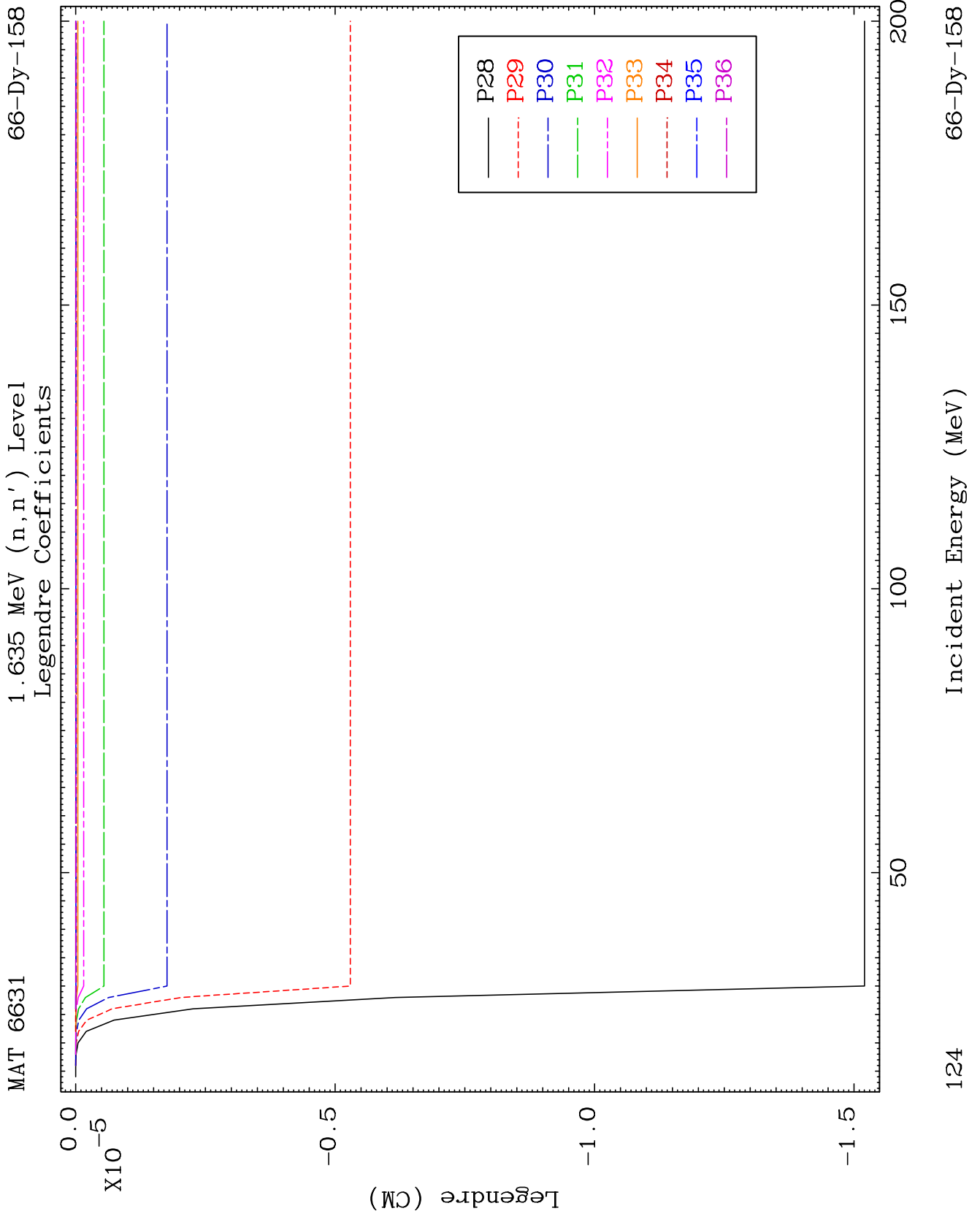




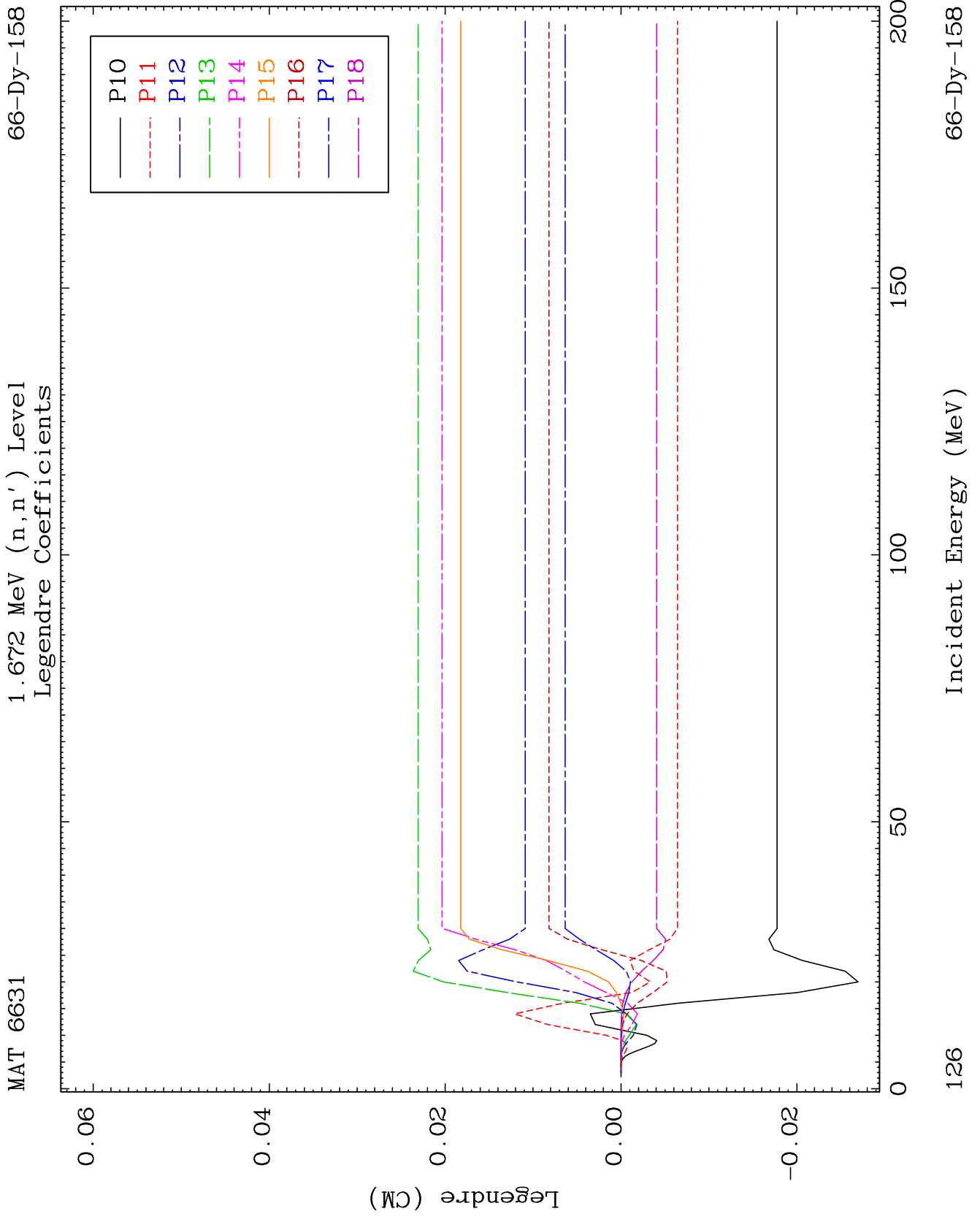








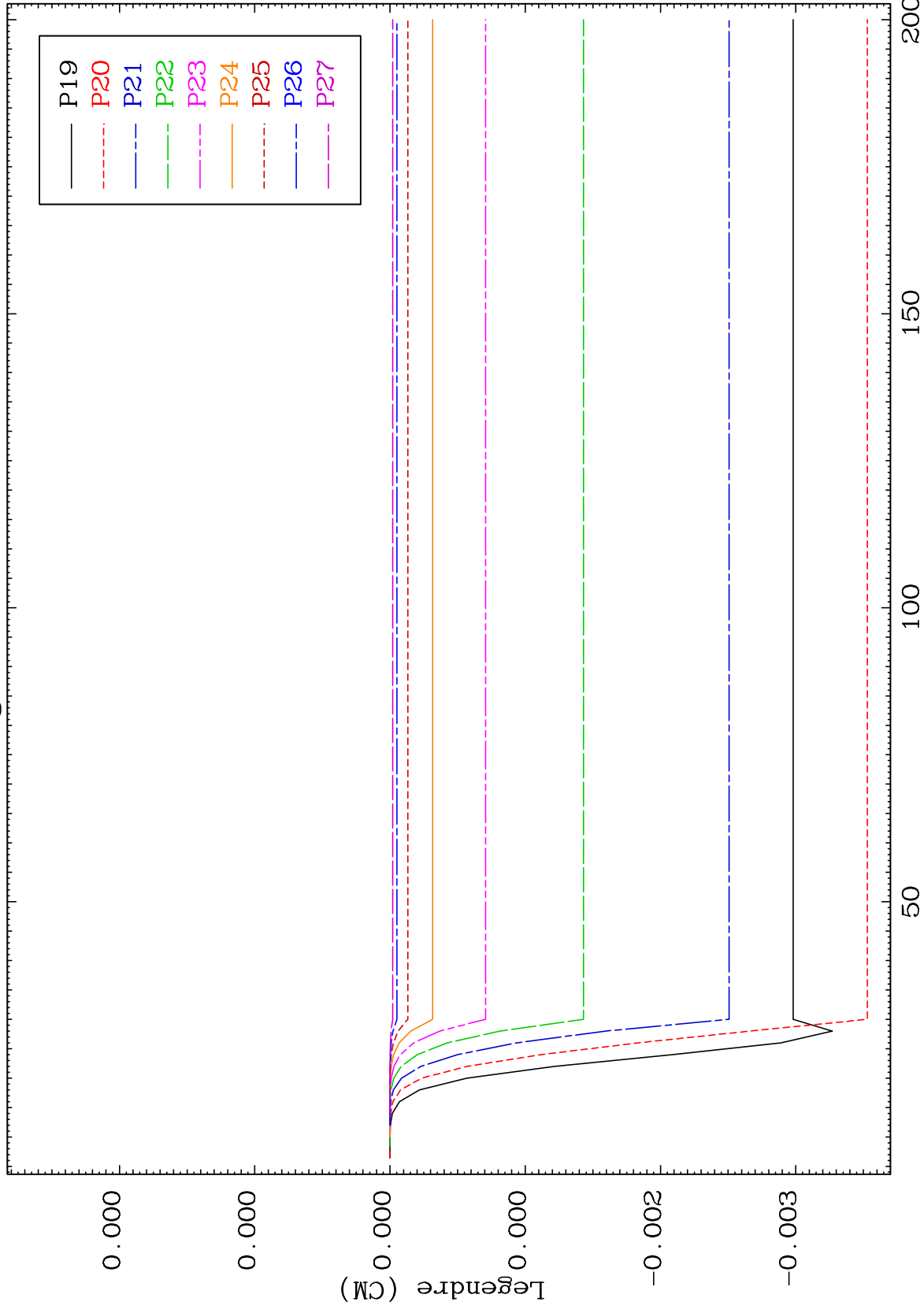




MAT 6631

1.672 MeV (n,n') Level  
Legendre Coefficients

66-Dy-158

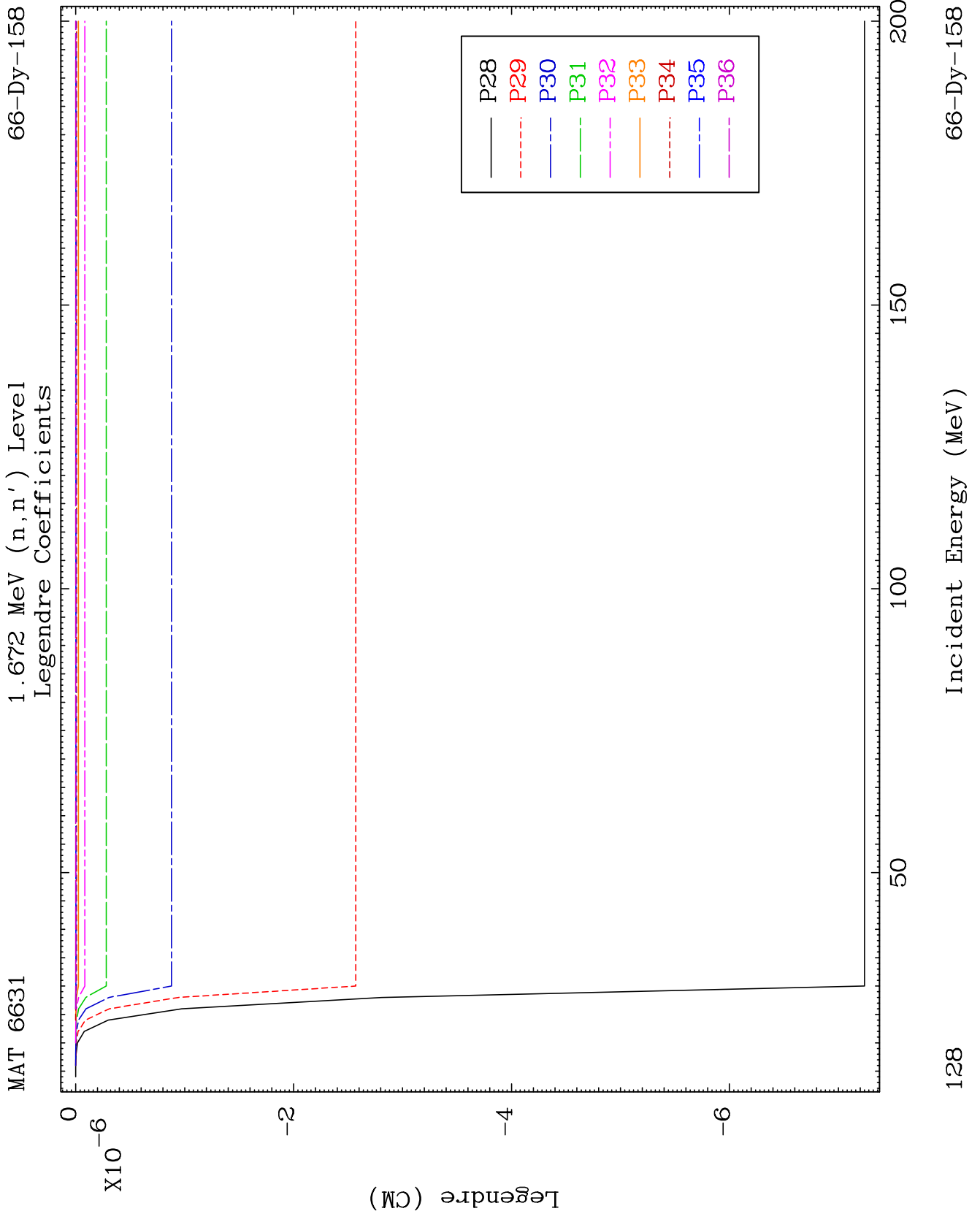


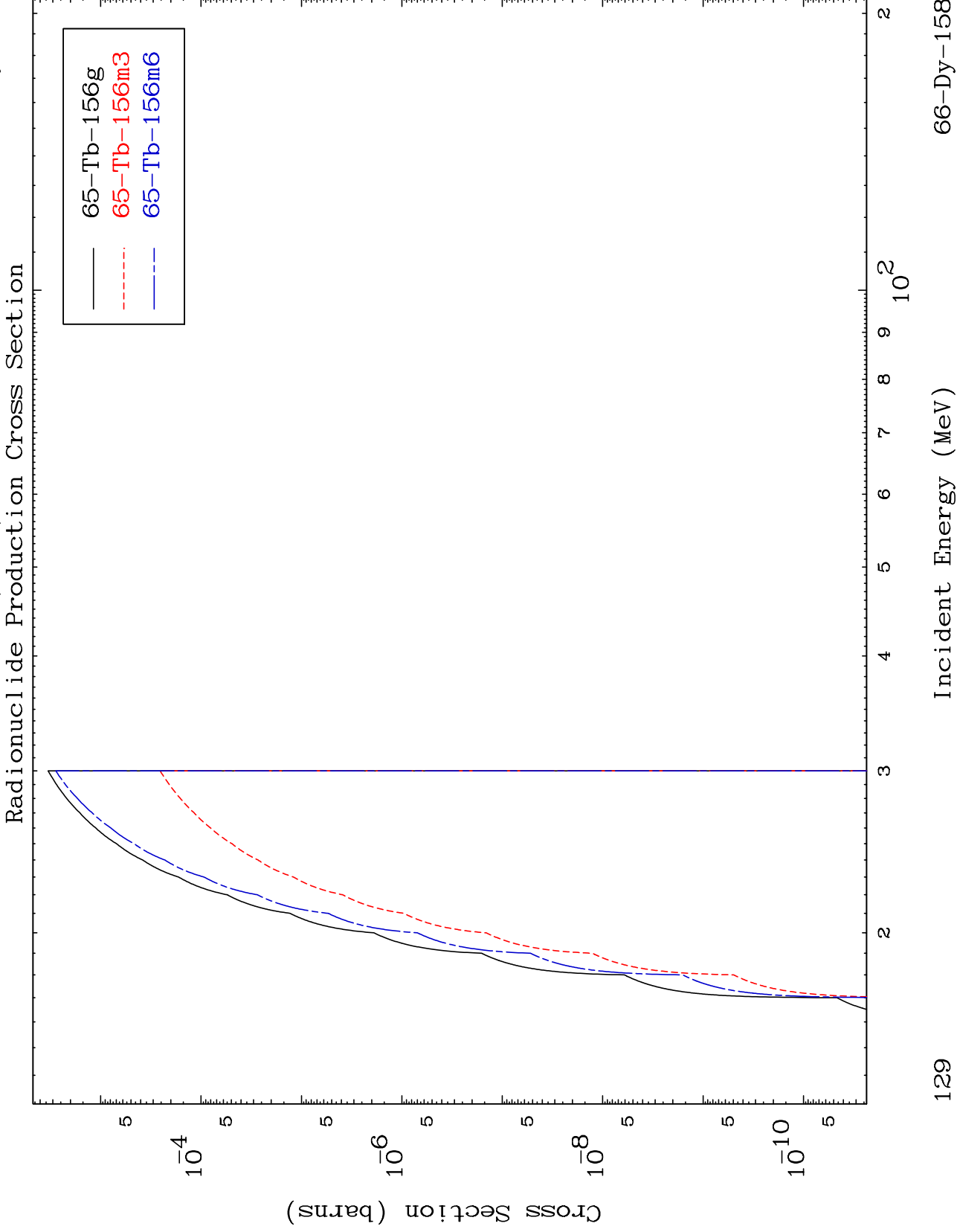
127

Incident Energy (MeV)

66-Dy-158



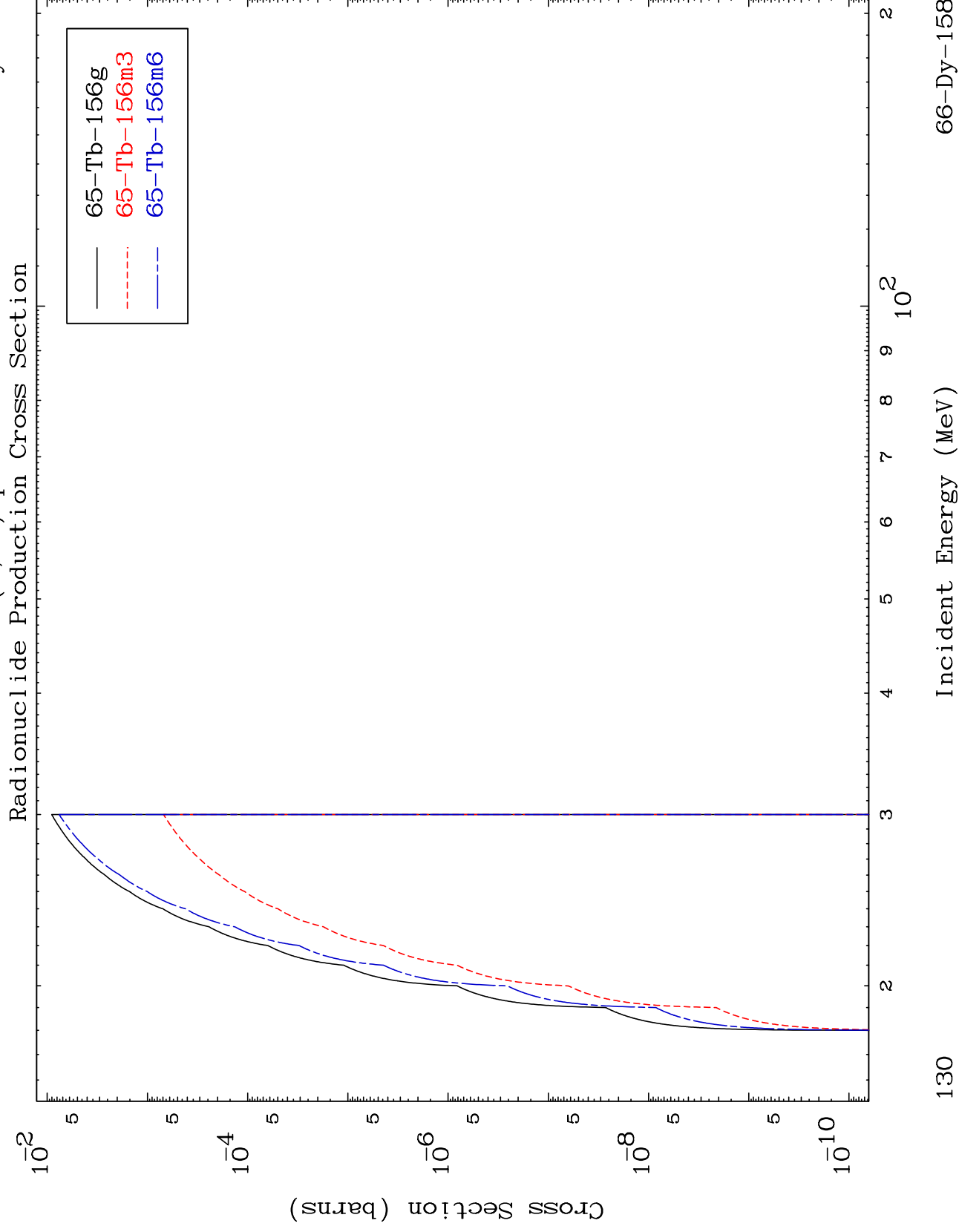




MAT 6631

(n,2n) p

66-Dy-158

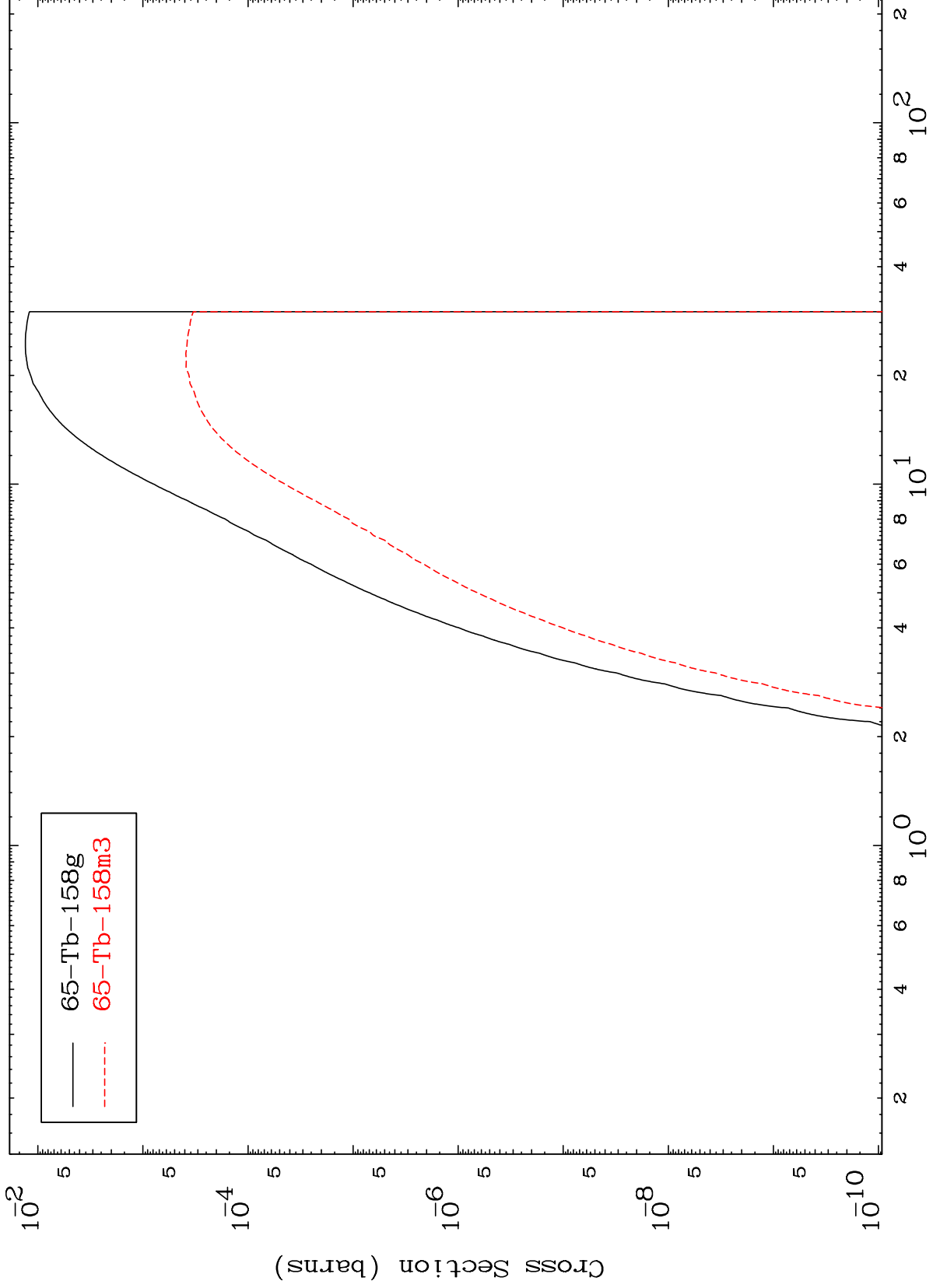


130

MAT 6631

66-Dy-158

(n,p)  
Radionuclide Production Cross Section



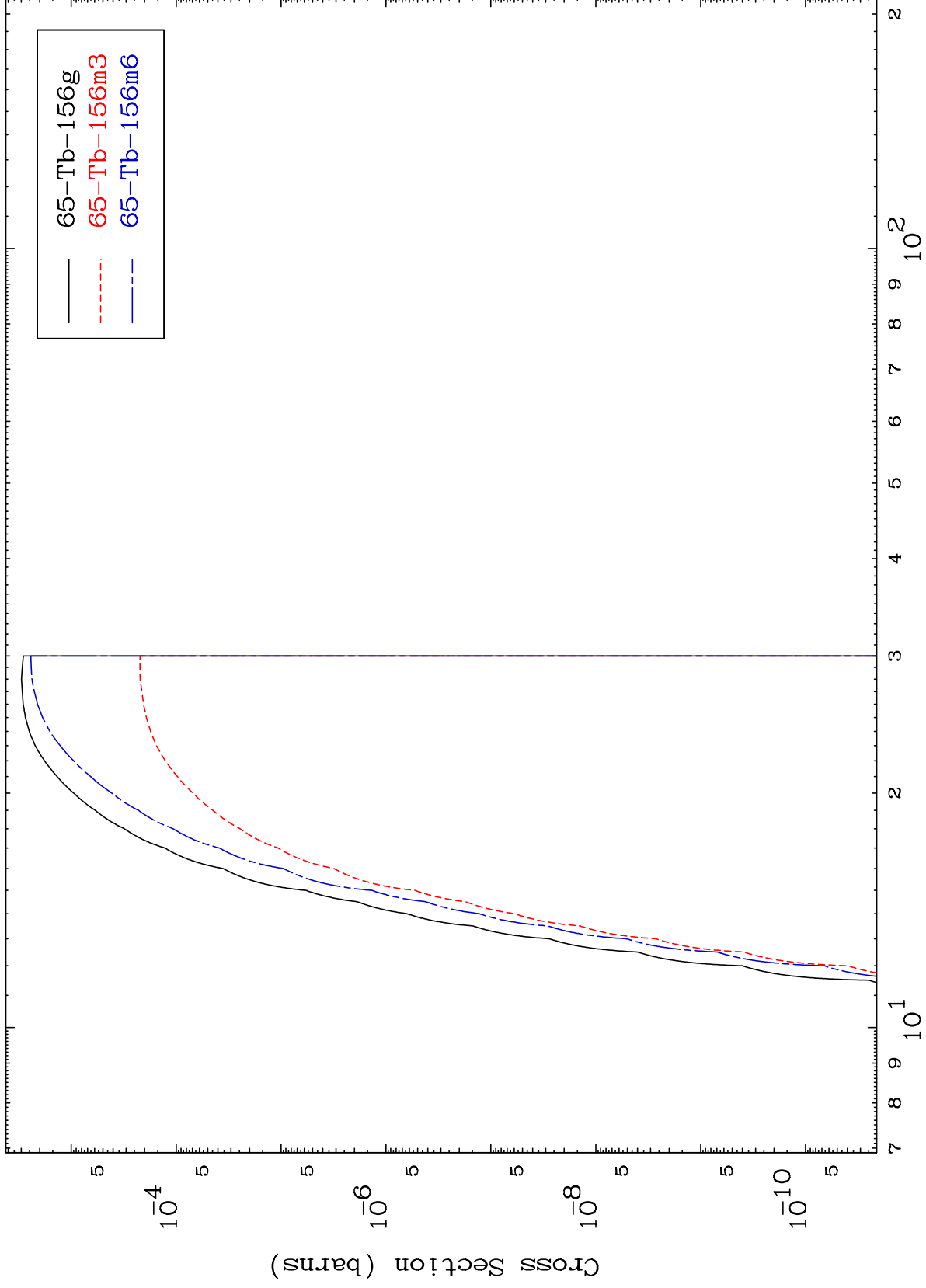
— 65-Tb-158g  
- - - 65-Tb-158m3

131

Incident Energy (MeV)

66-Dy-158

(n, t)  
Radionuclide Production Cross Section

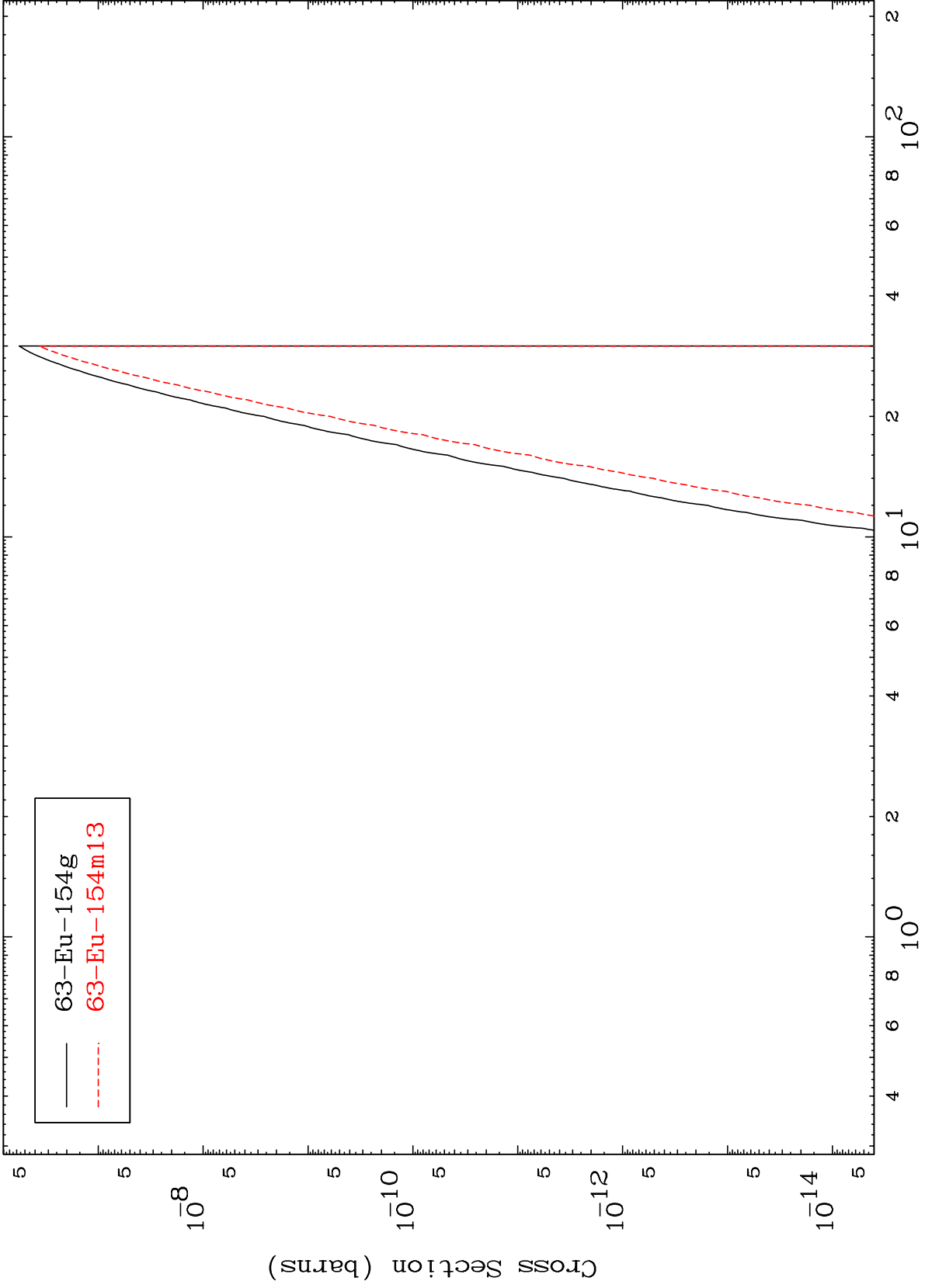


MAT 6631

(n,p)  $\alpha$

66-Dy-158

Radionuclide Production Cross Section



133

Incident Energy (MeV)

66-Dy-158