

Program EVALPLOT  
(Version 2017-1)

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

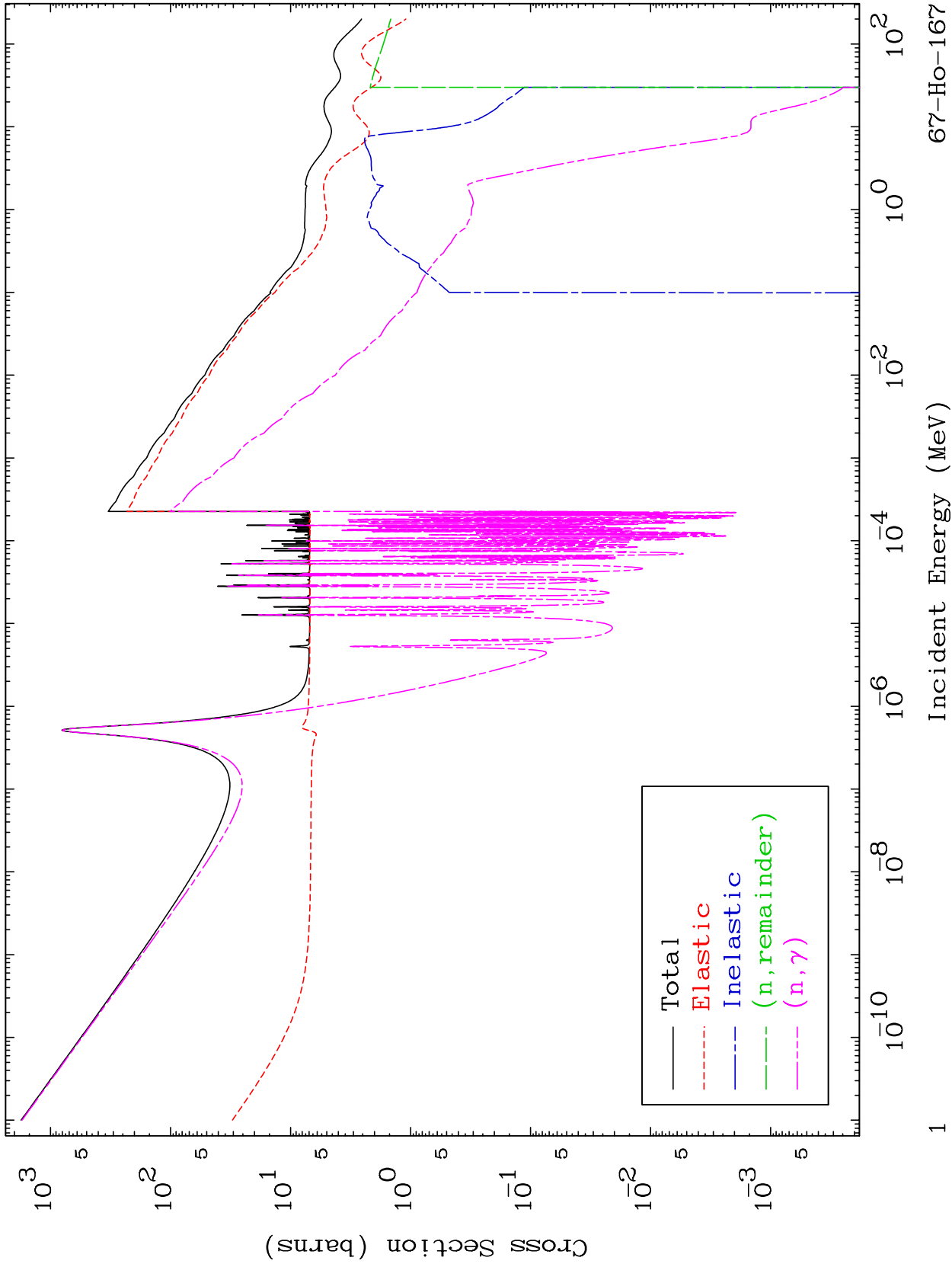
Press Mouse Button to Start

MAT 6731

Major

293 Kelvin Cross Sections

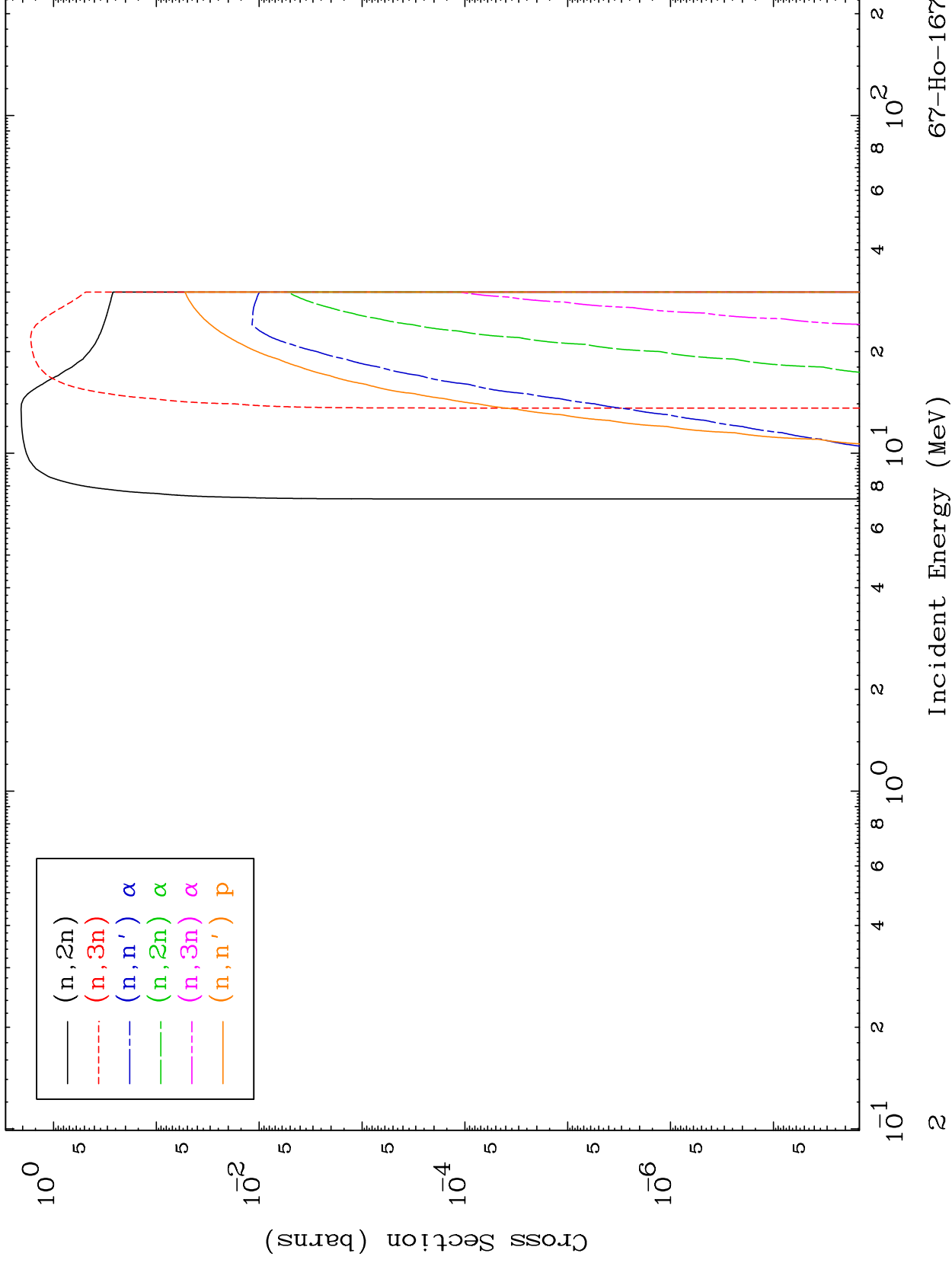
67-Ho-167



MAT 6731

Neutron Production  
293 Kelvin Cross Sections

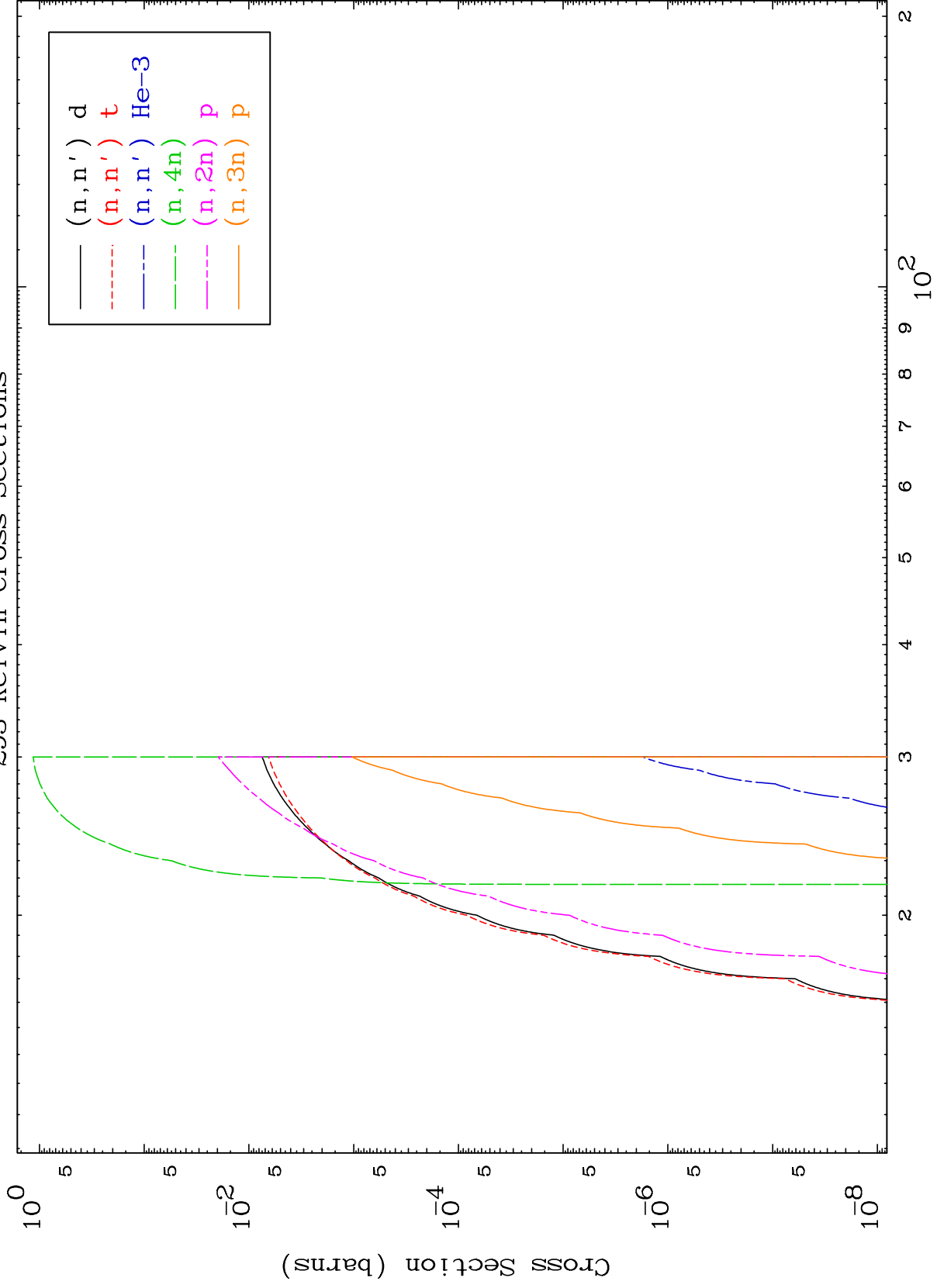
67-Ho-167



67-Ho-167

Incident Energy (MeV)

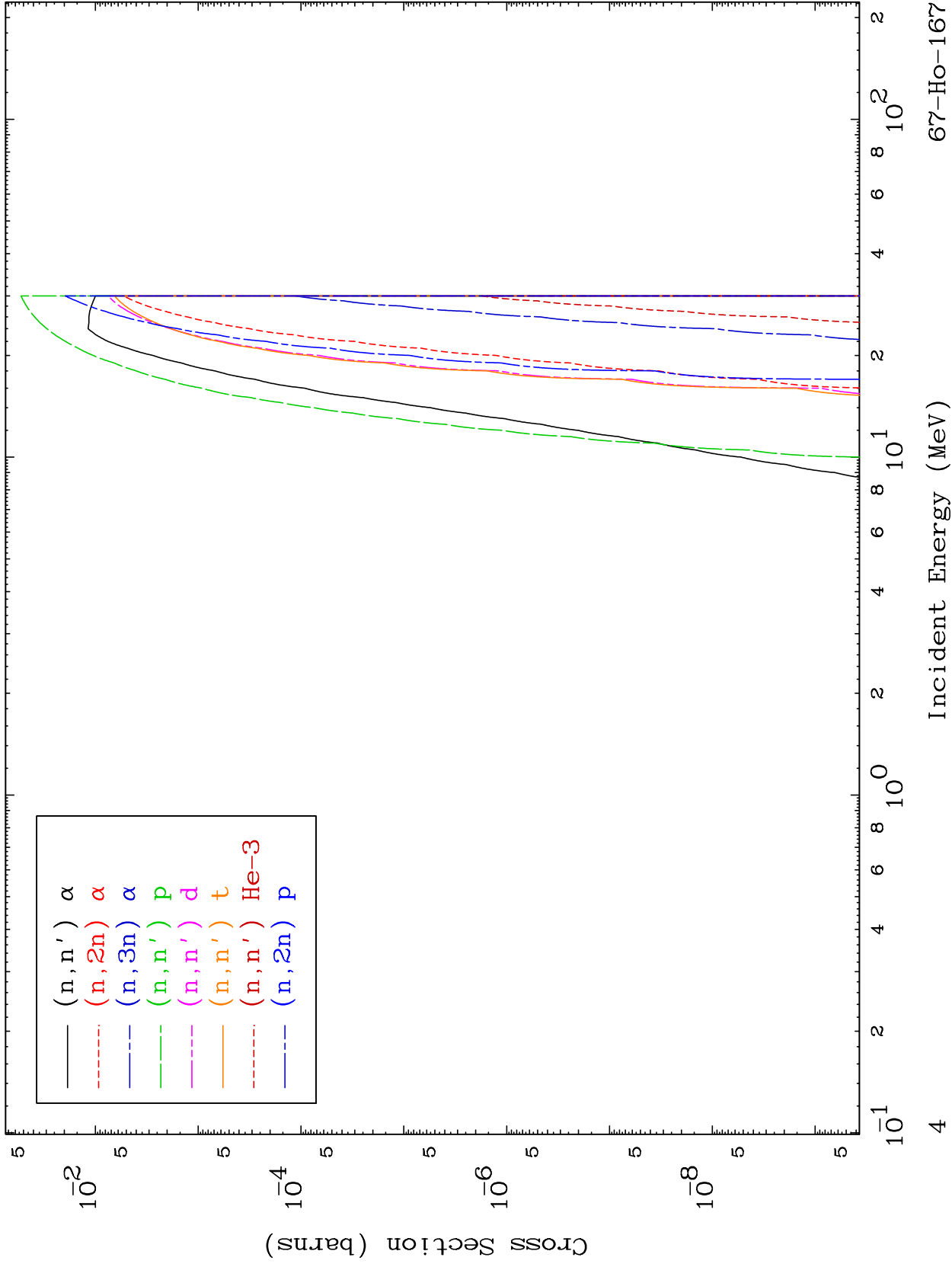
2



MAT 6731

Charged Particle  
293 Kelvin Cross Sections

67-Ho-167

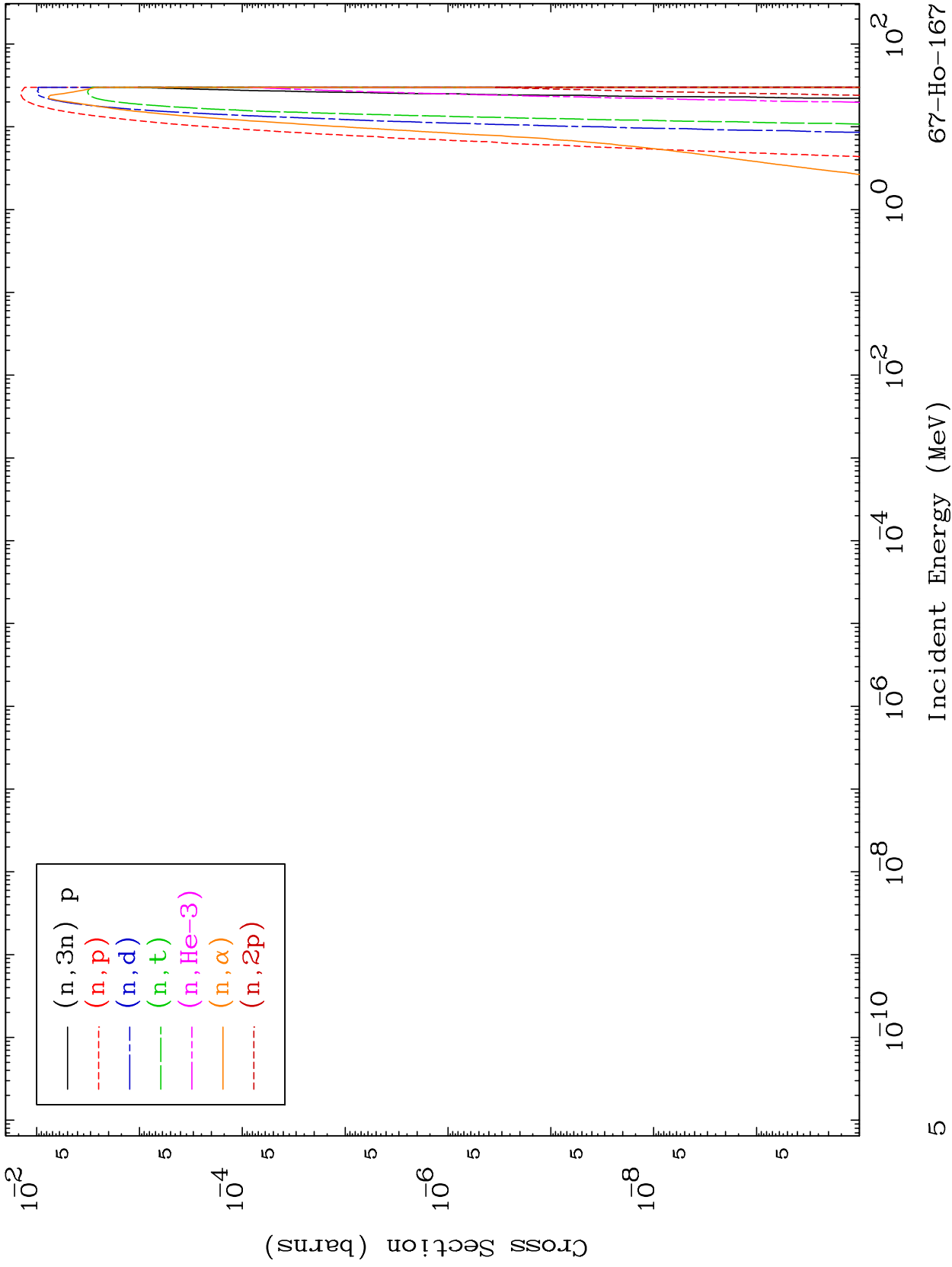


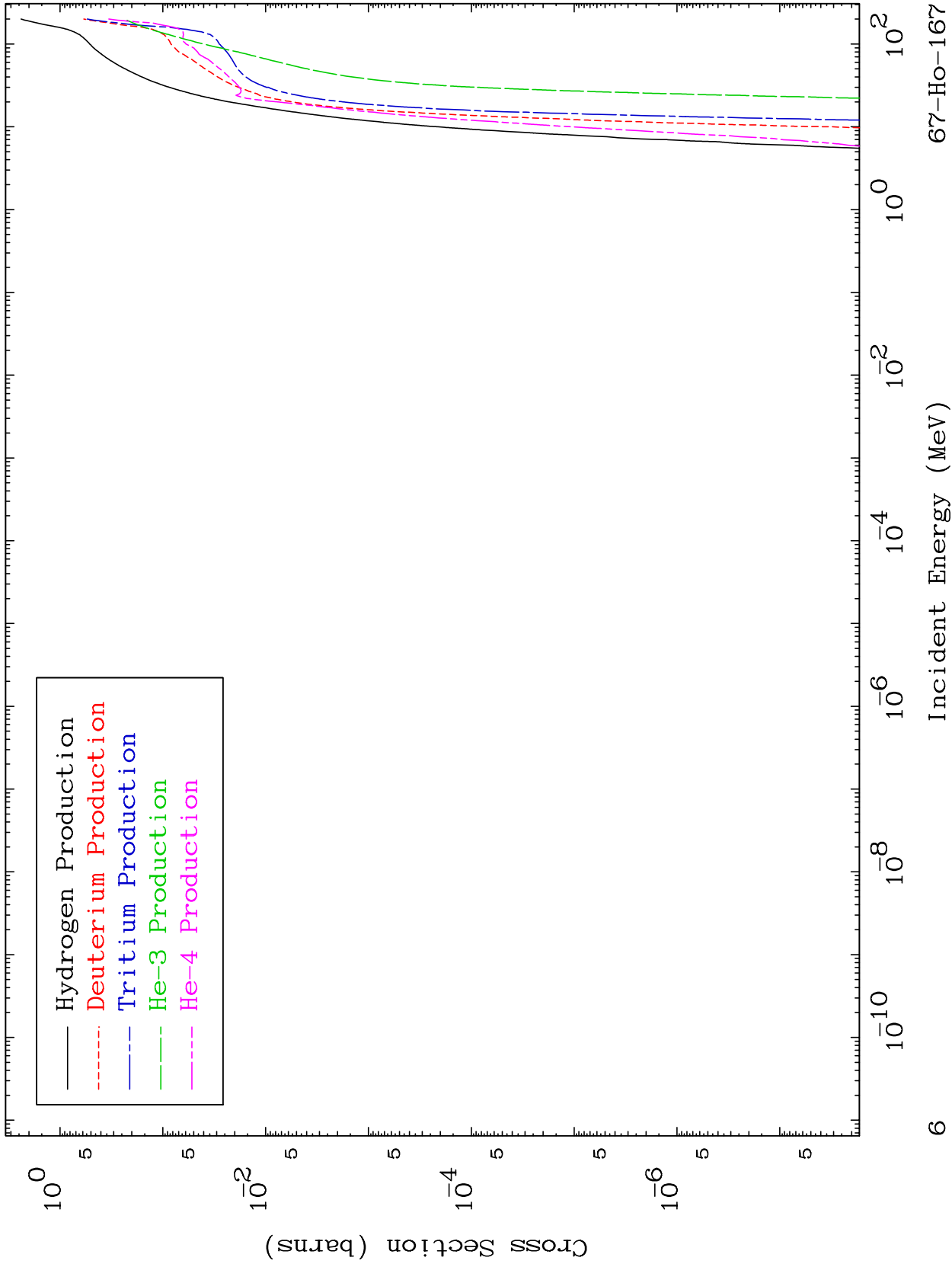
67-Ho-167

MAT 6731

Charged Particle  
293 Kelvin Cross Sections

67-Ho-167



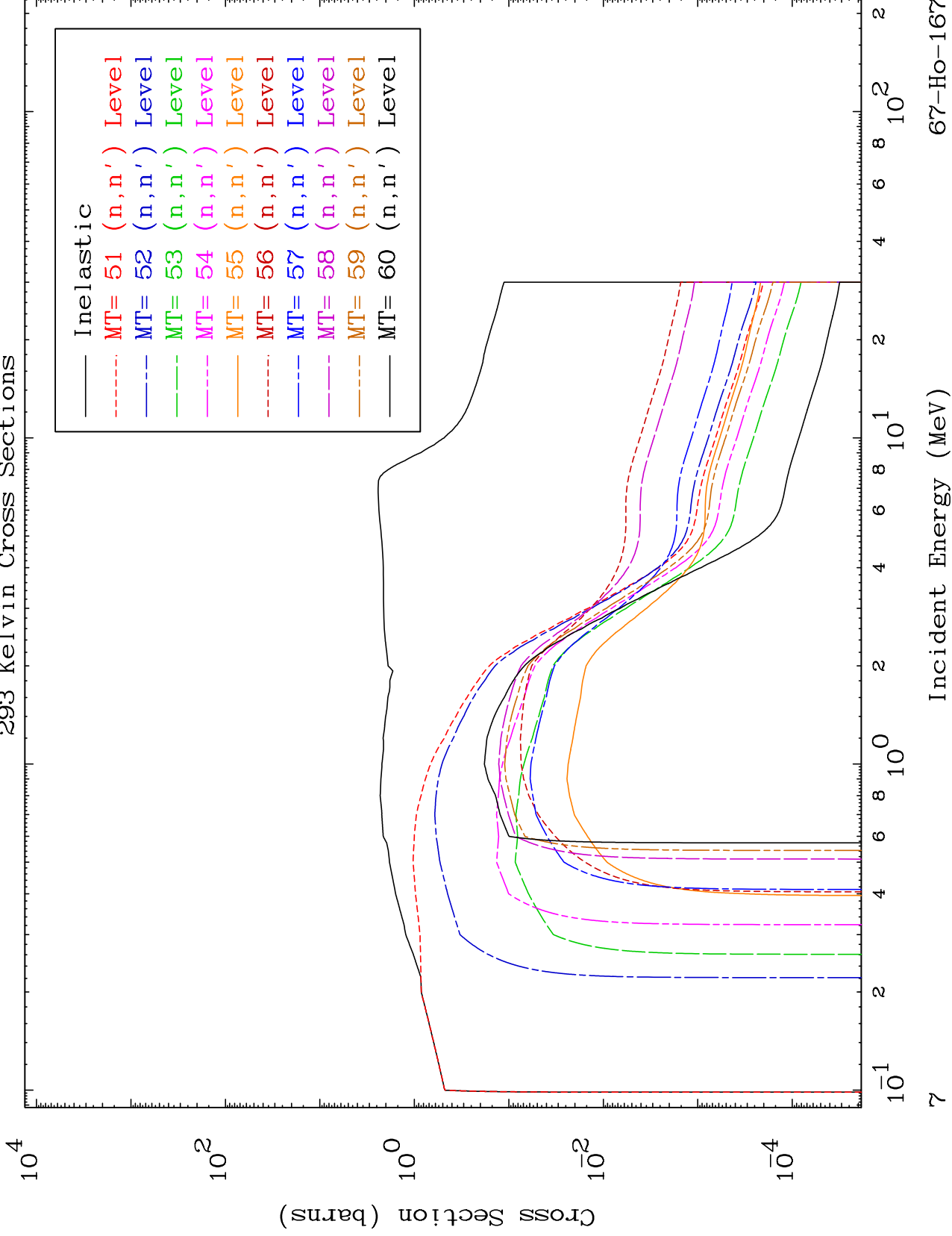


MAT 6731

(n,n') Level

67-Ho-167

293 Kelvin Cross Sections



Incident Energy (MeV)

67-Ho-167

7

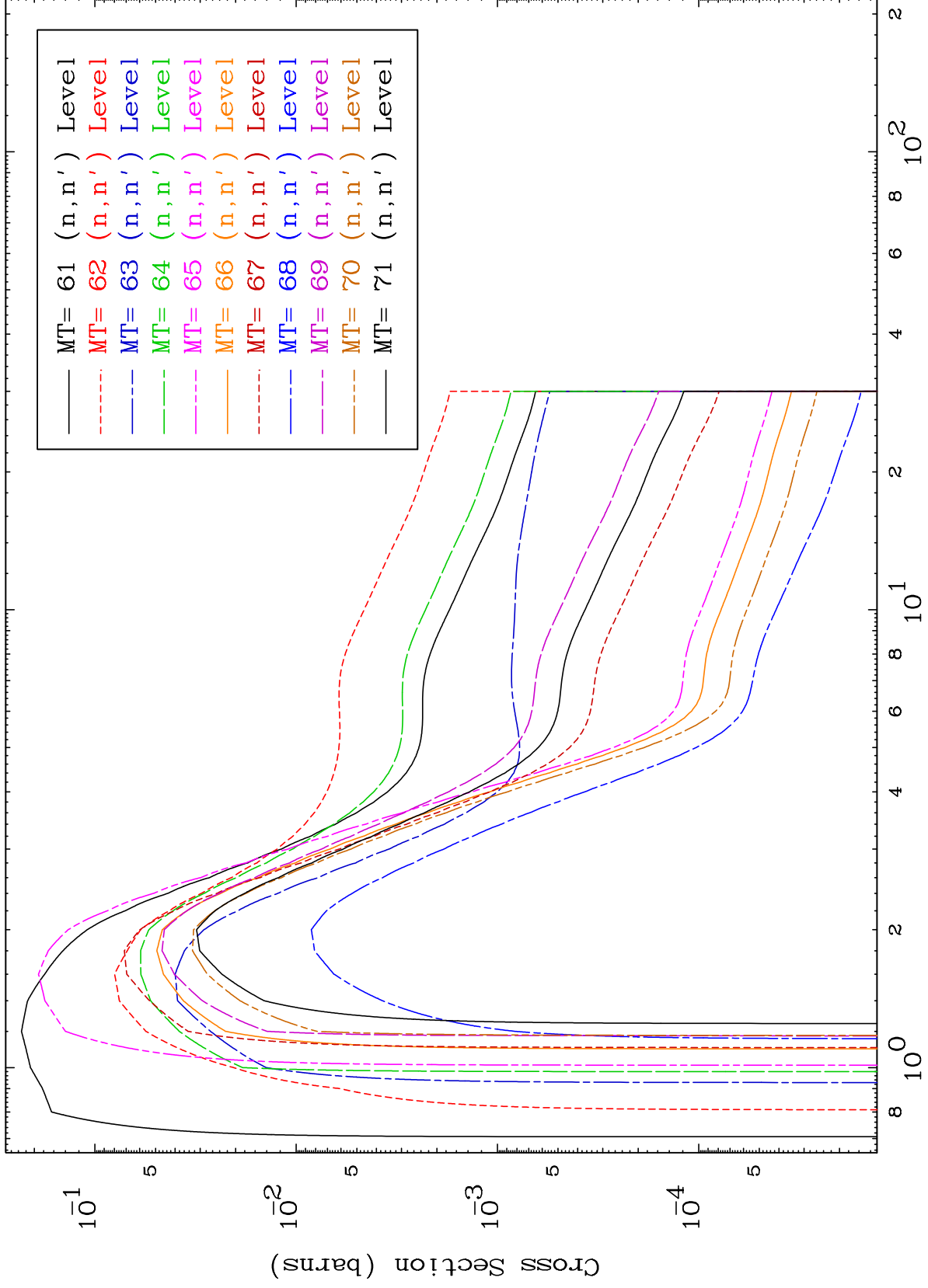


MAT 6731

(n,n') Level

67-Ho-167

293 Kelvin Cross Sections

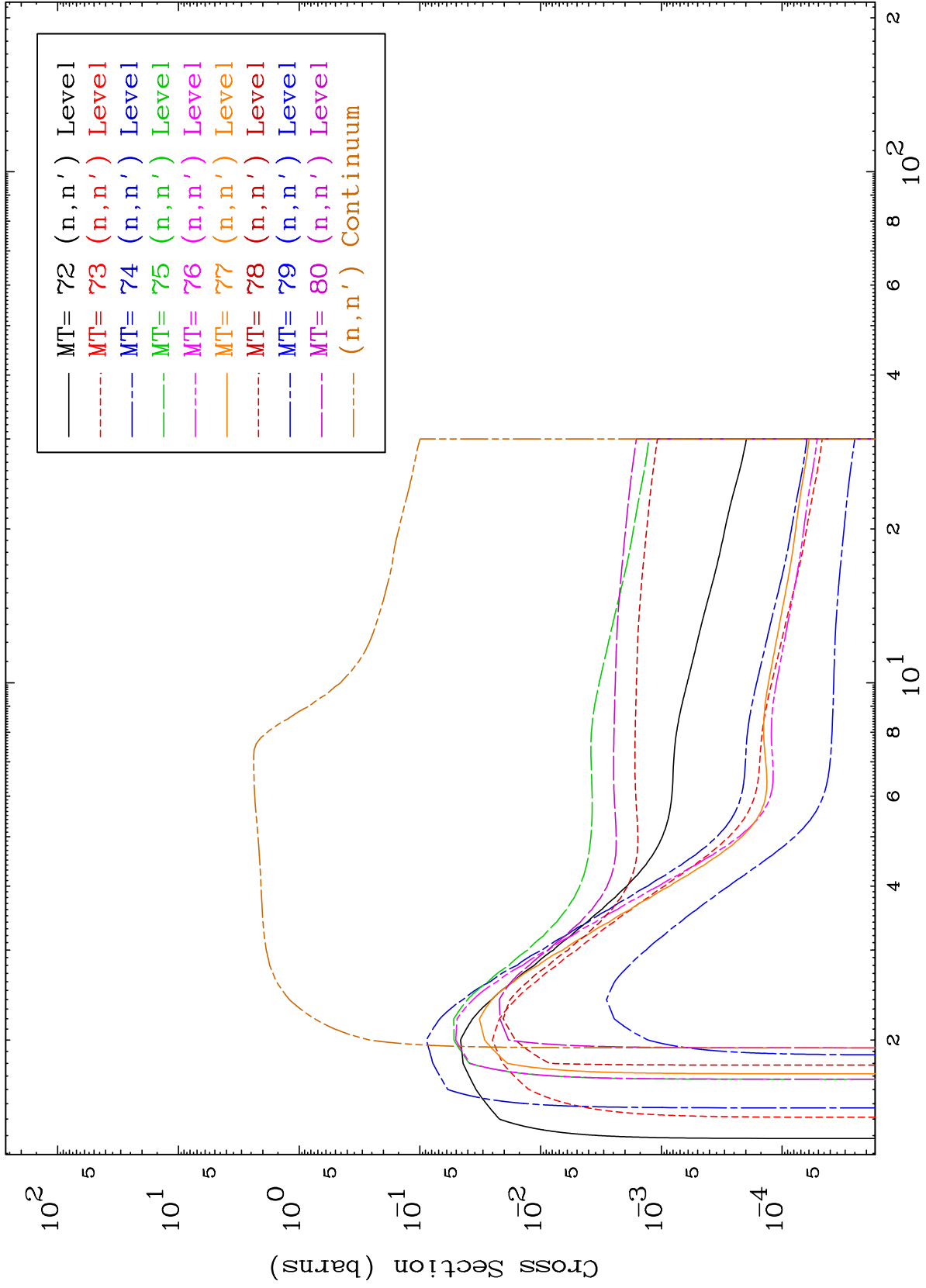


8

Incident Energy (MeV)

67-Ho-167

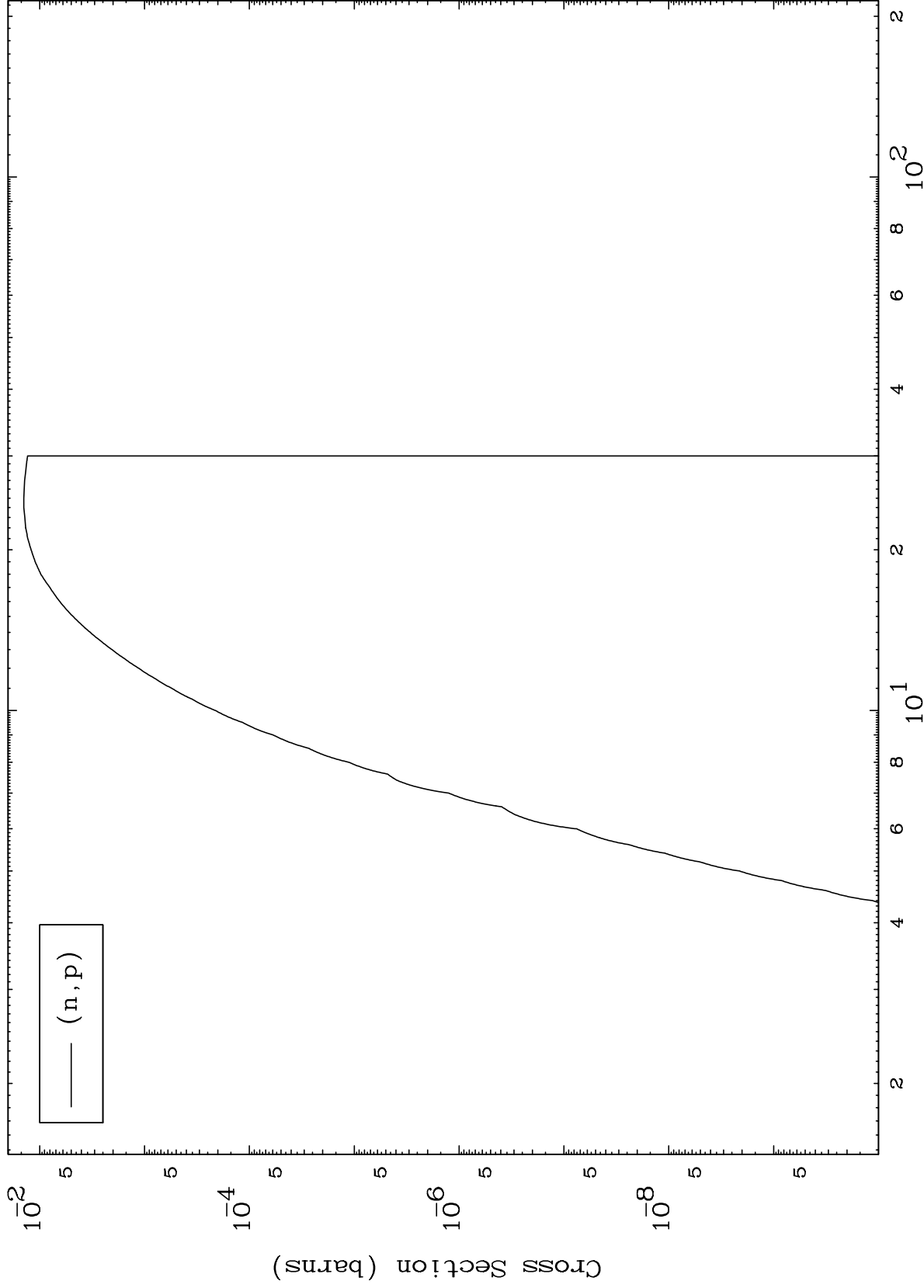
293 Kelvin Cross Sections



MAT 6731

(n,p) Levels  
293 Kelvin Cross Sections

67-Ho-167



10

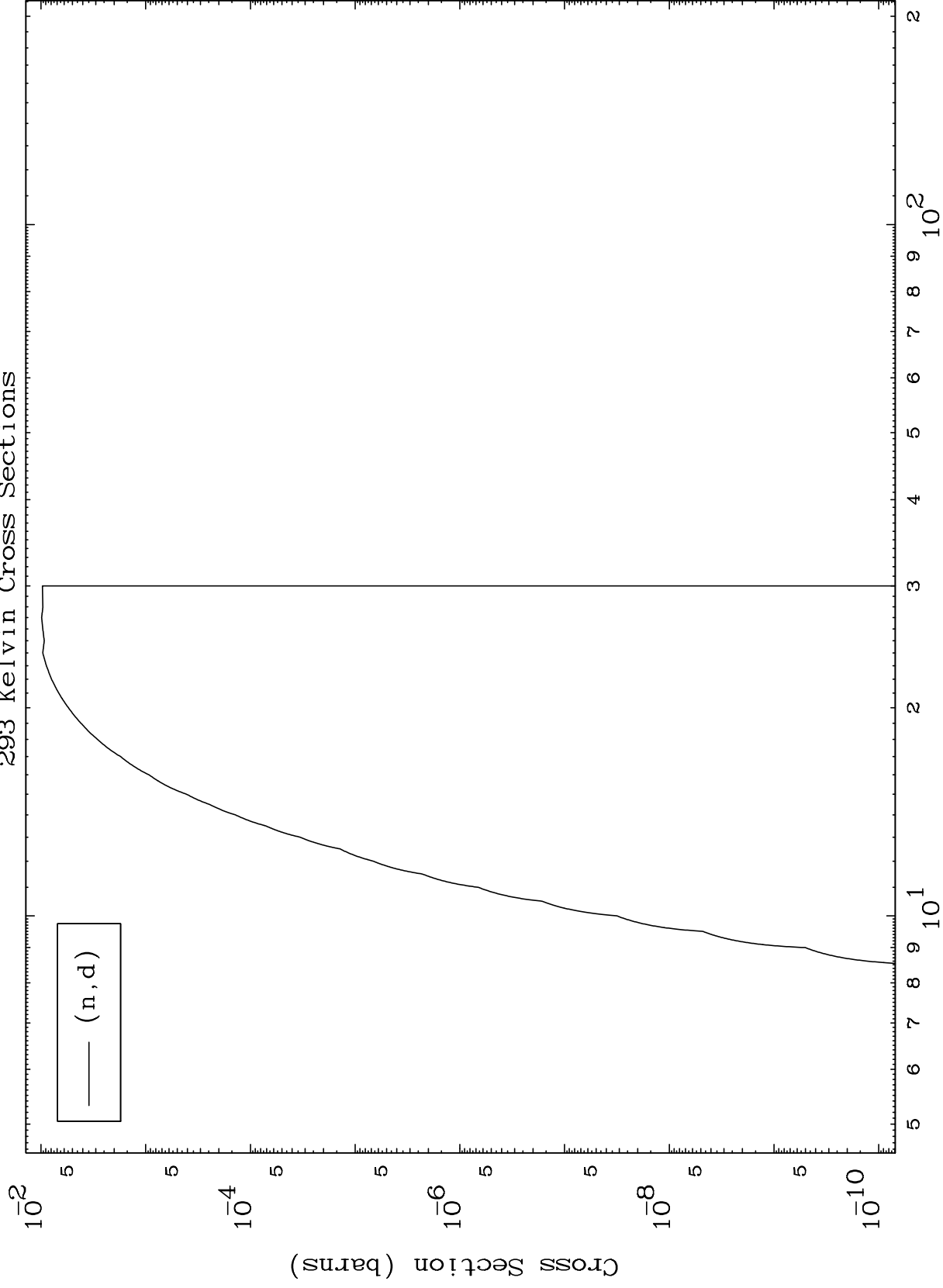
Incident Energy (MeV)

67-Ho-167

MAT 6731

(n,d) Levels  
293 Kelvin Cross Sections

67-Ho-167



11

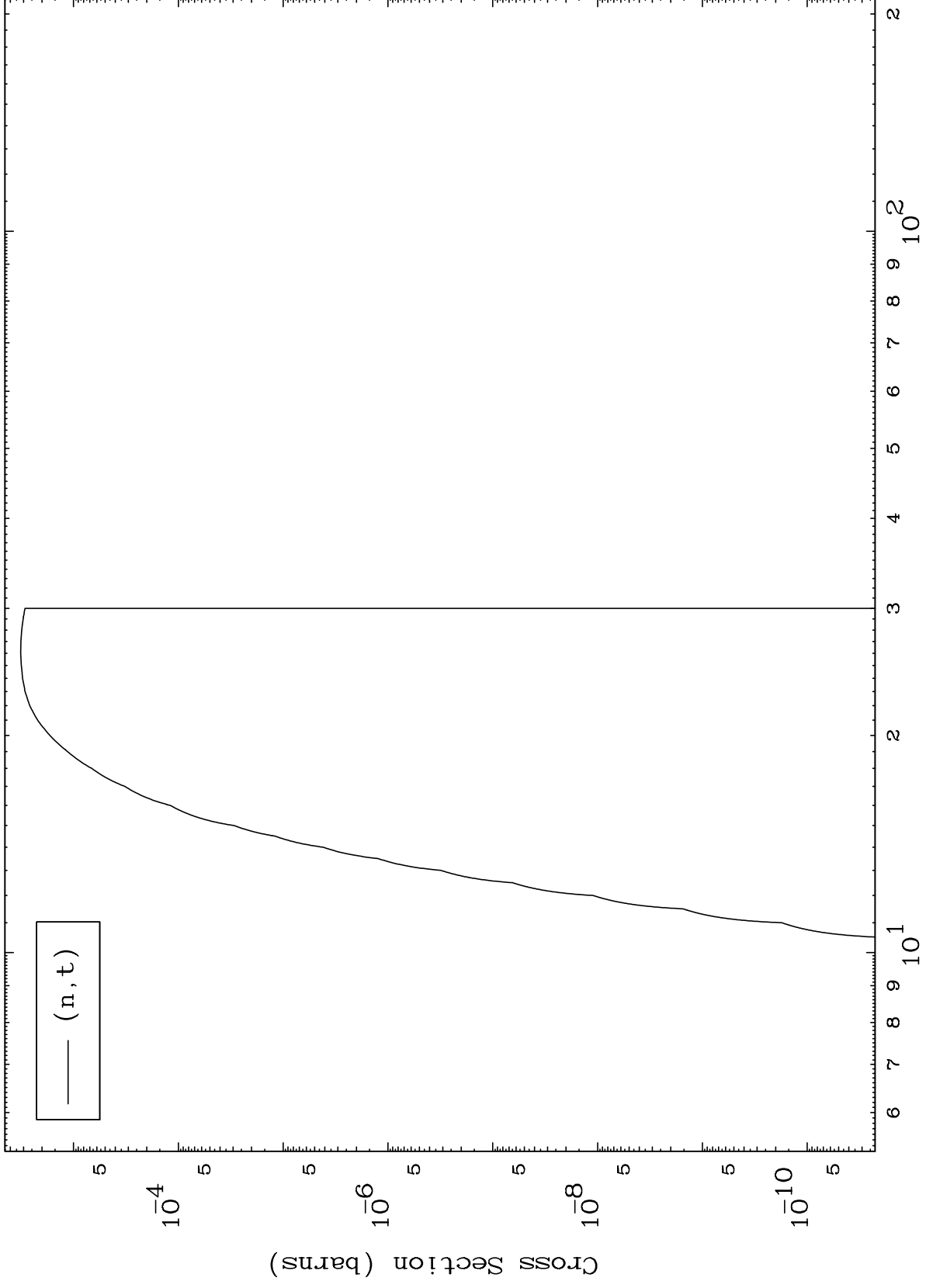
Incident Energy (MeV)

67-Ho-167

MAT 6731

(n,t) Levels  
293 Kelvin Cross Sections

67-Ho-167



12

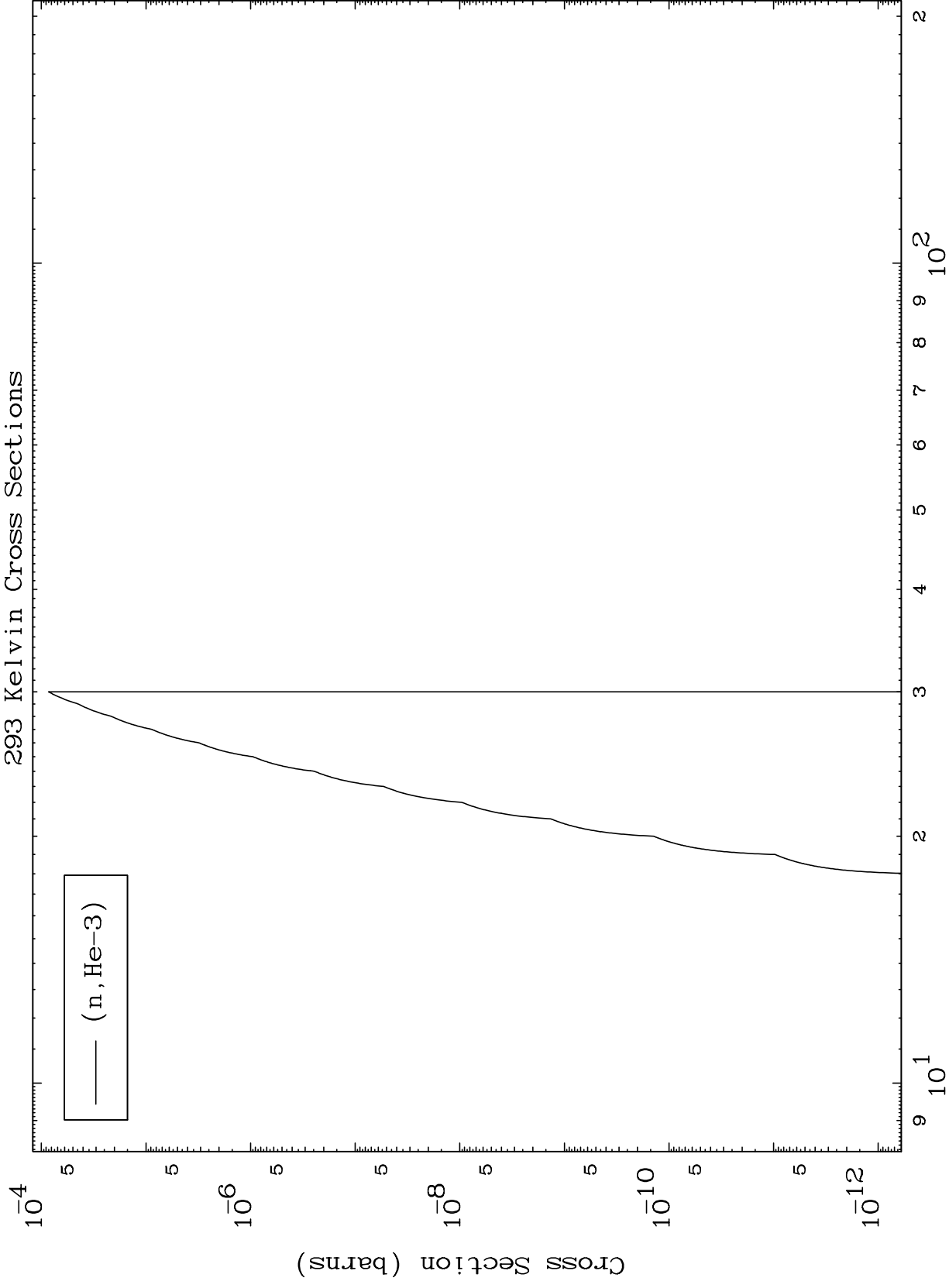
Incident Energy (MeV)

67-Ho-167

MAT 6731

67-Ho-167

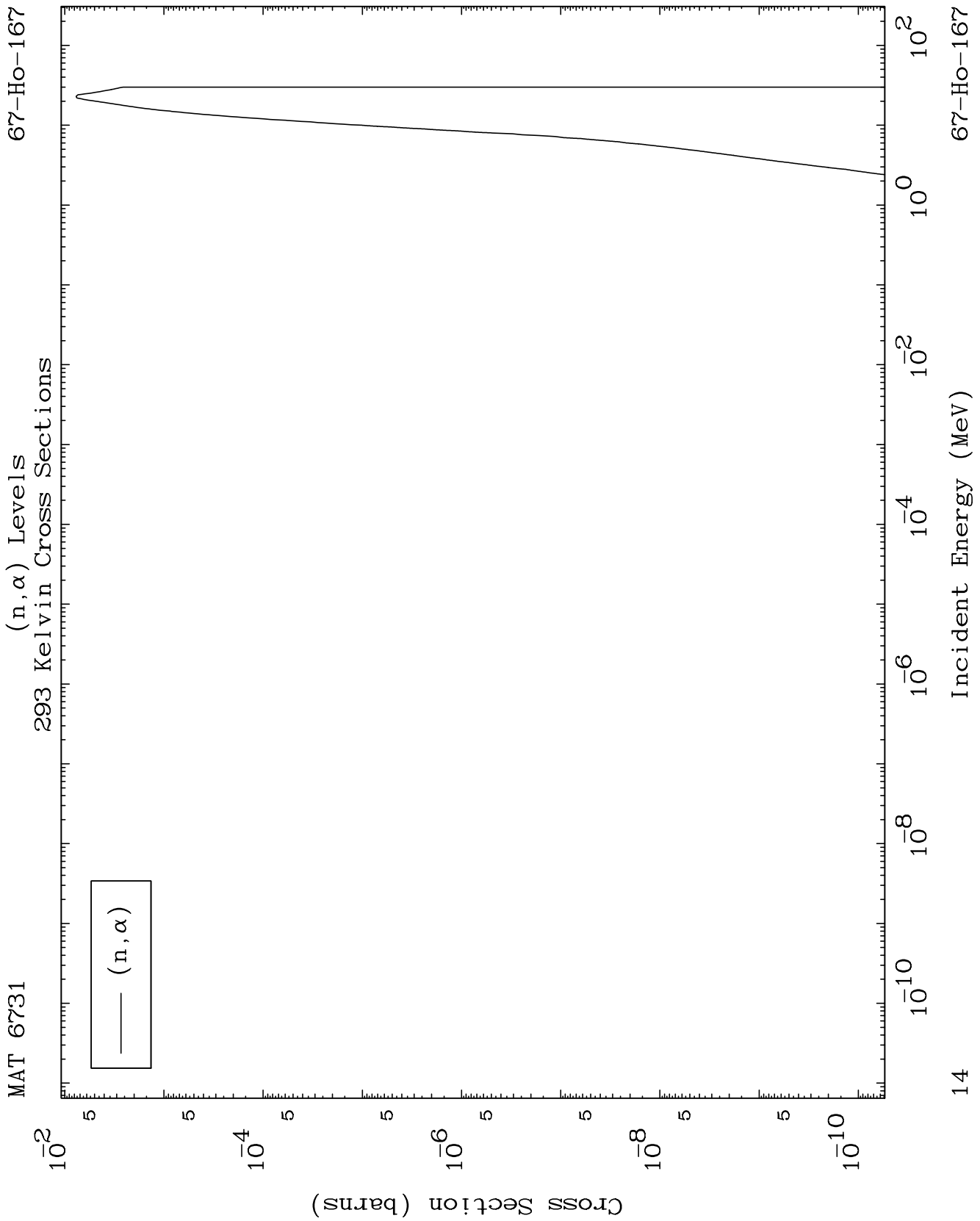
(n,He3) Levels  
293 Kelvin Cross Sections

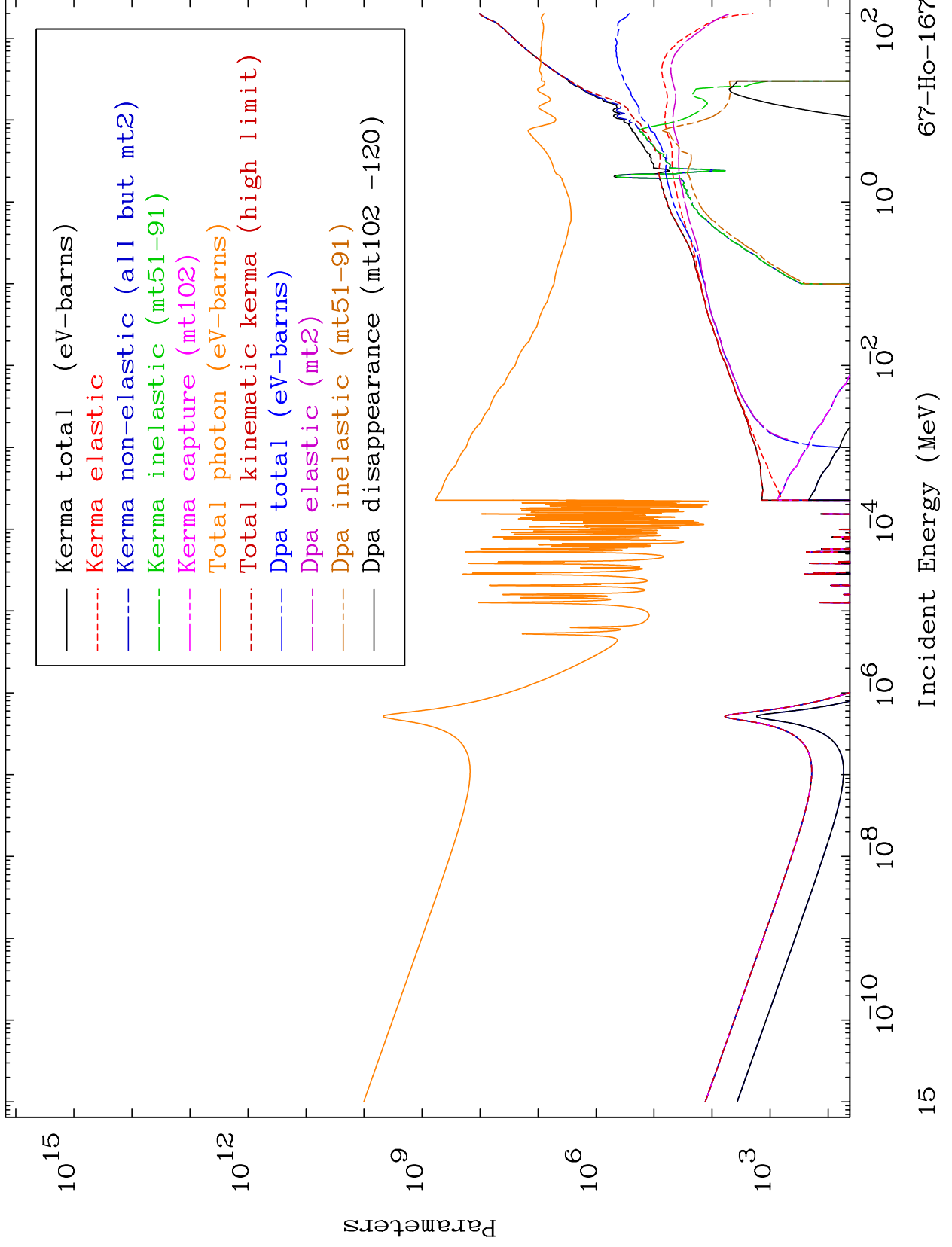


67-Ho-167

Incident Energy (MeV)

13



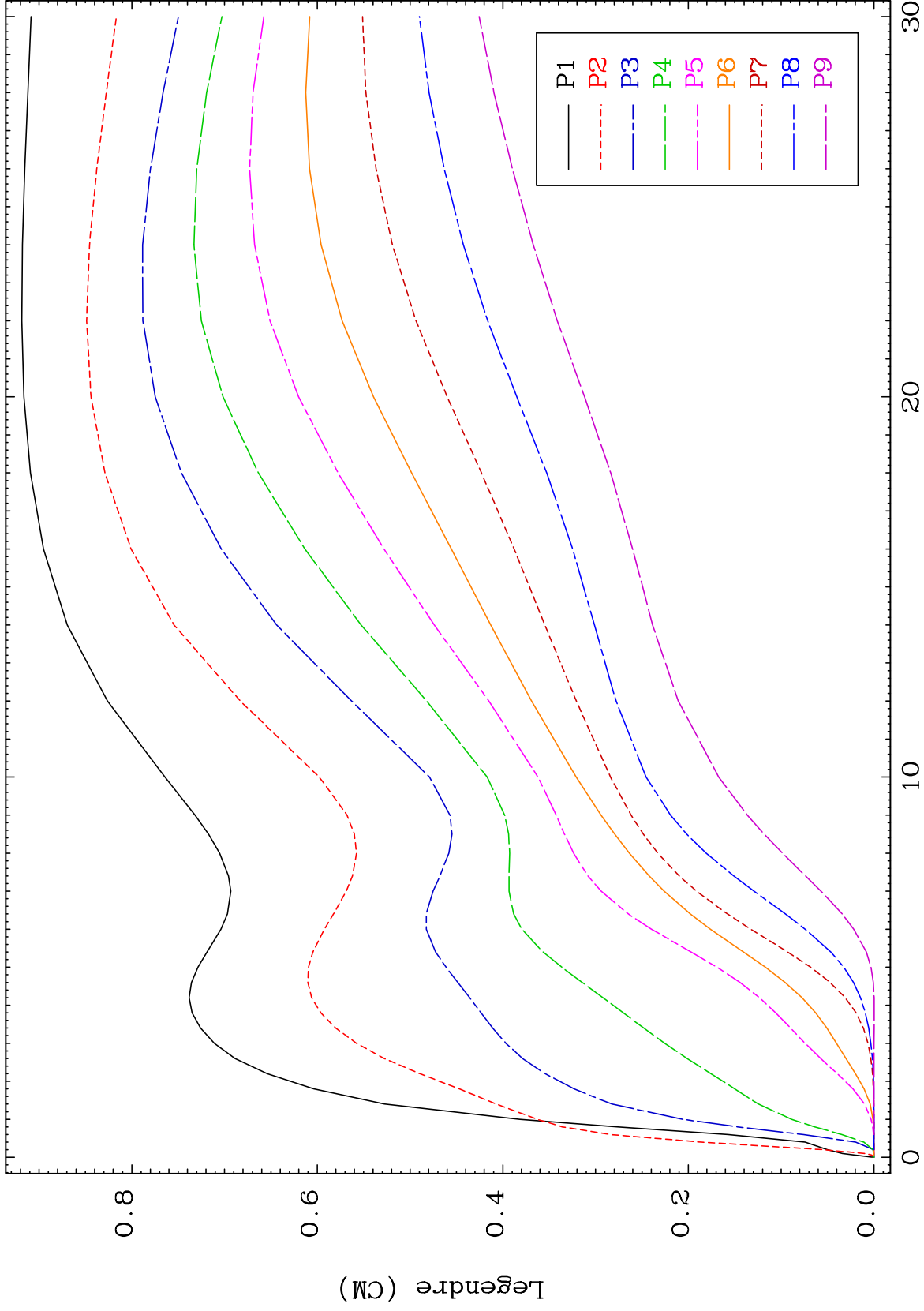




MAT 6731

Elastic Legendre Coefficients

67-Ho-167



16

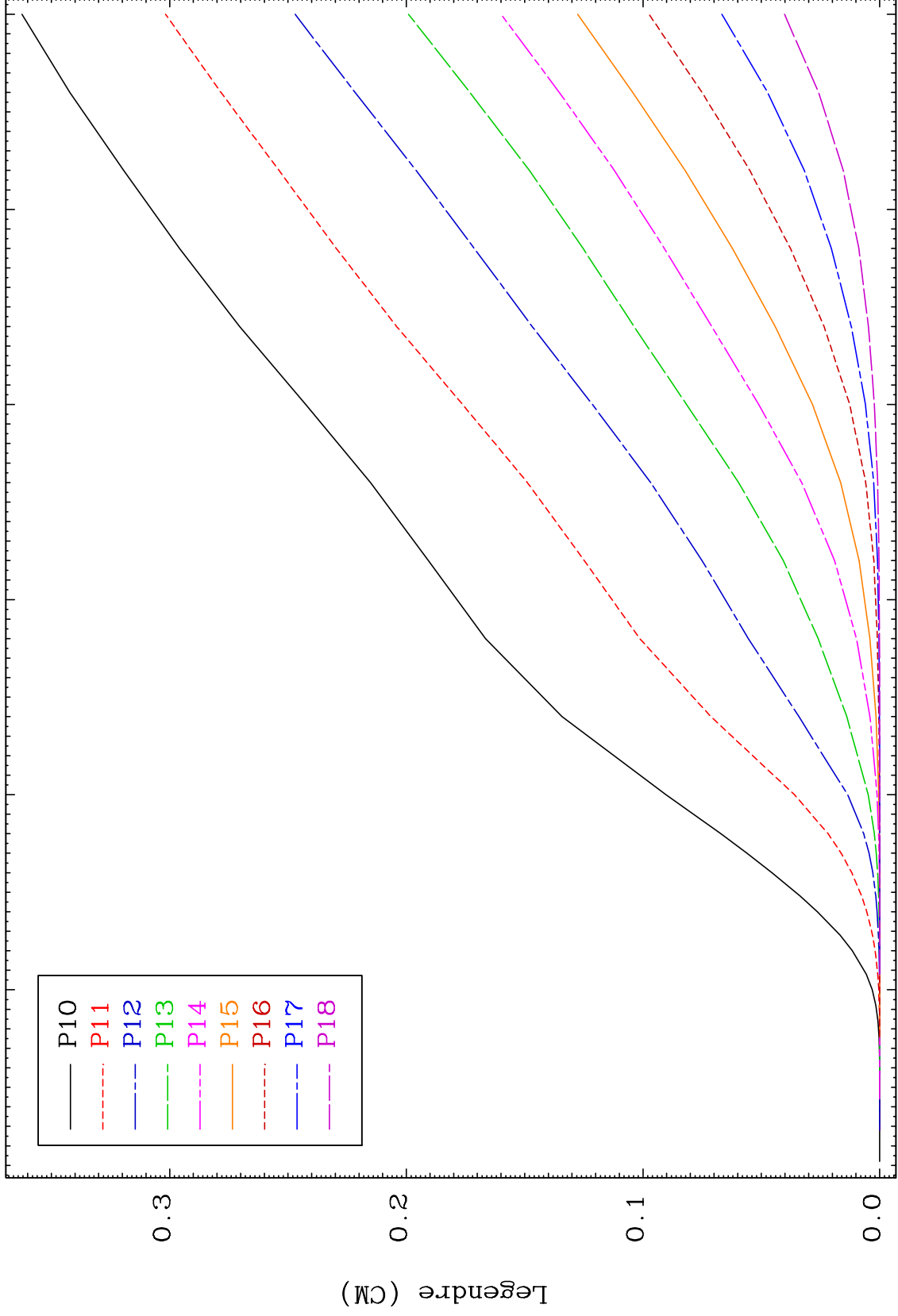
Incident Energy (MeV)

67-Ho-167

MAT 6731

Elastic  
Legendre Coefficients

67-Ho-167



17

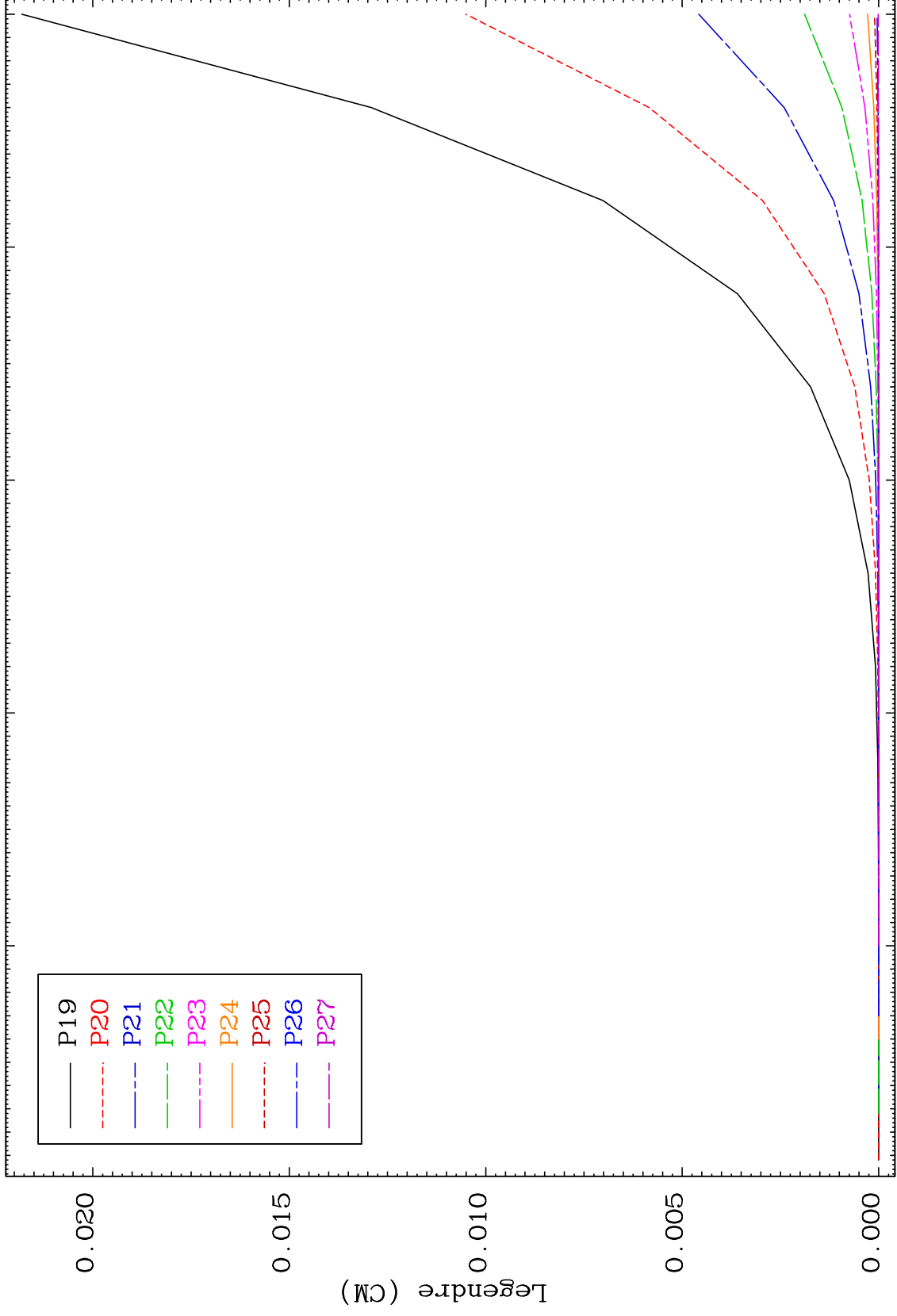
Incident Energy (MeV)

67-Ho-167

MAT 6731

### Elastic Legendre Coefficients

67-Ho-167



18

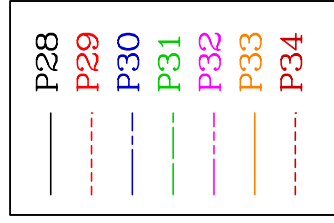
Incident Energy (MeV)

67-Ho-167

MAT 6731

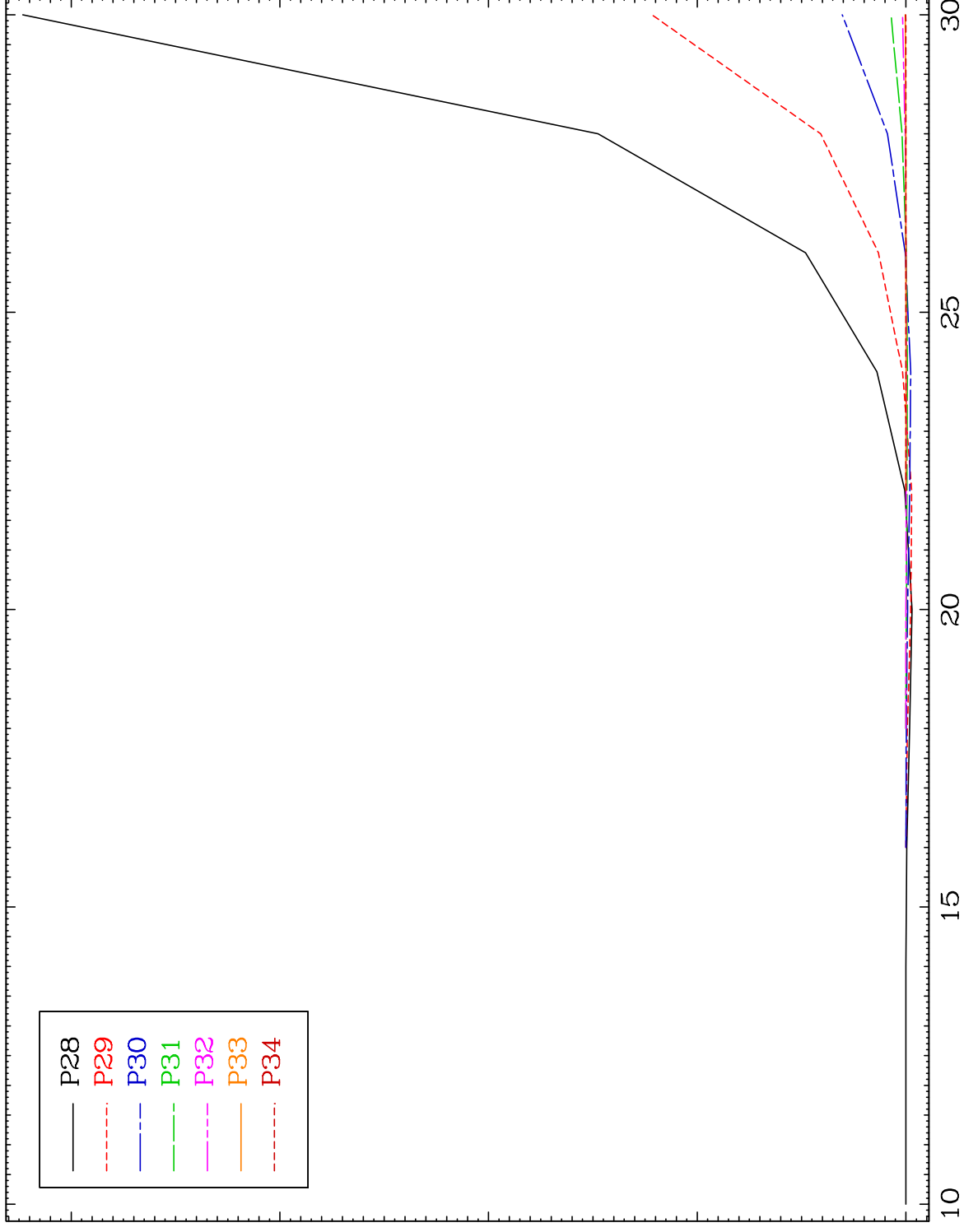
Elastic  
Legendre Coefficients

67-Ho-167



$\times 10^{-6}$

Legendre (CM)



10

15

20

25

30

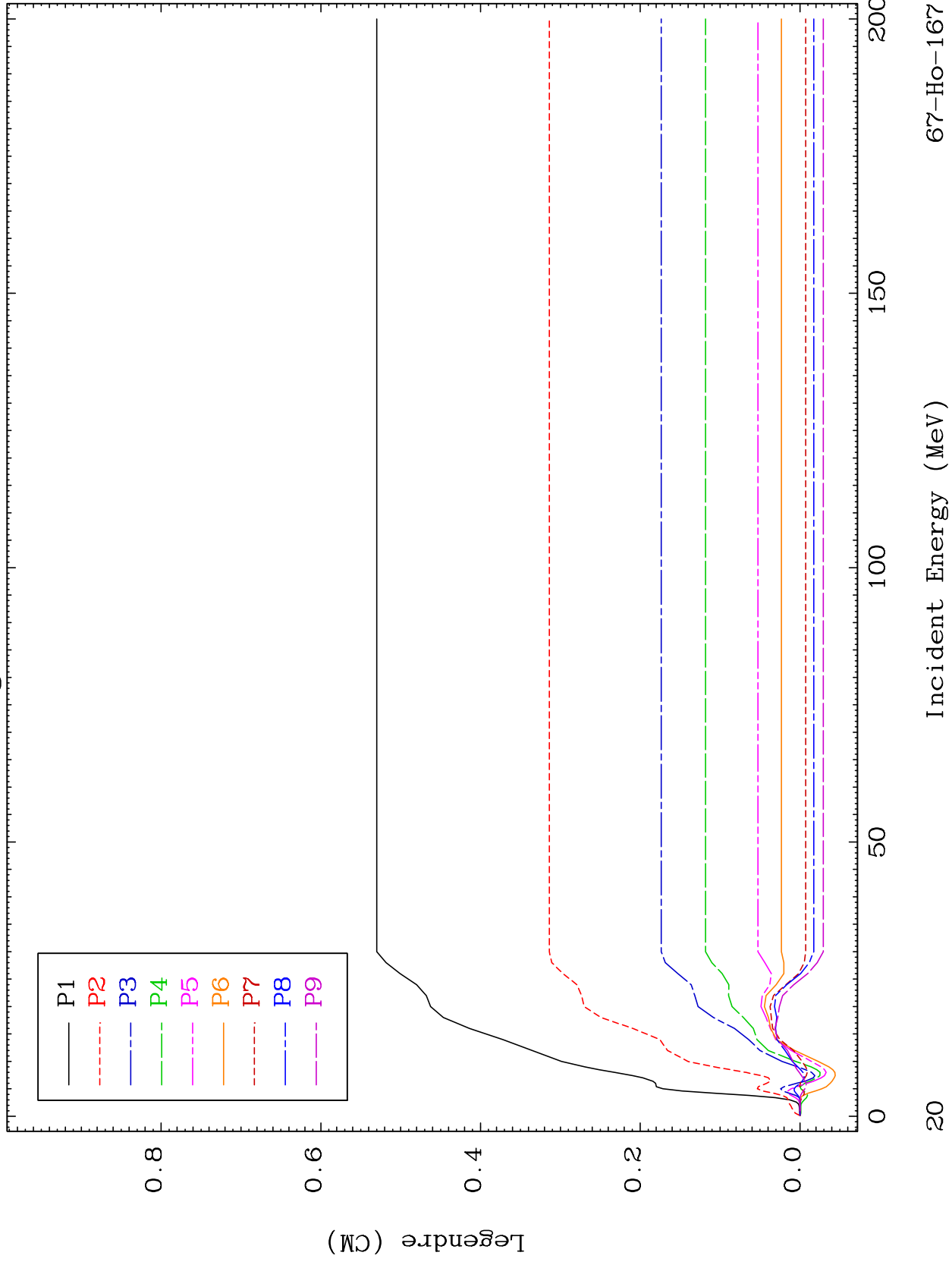
Incident Energy (MeV)

67-Ho-167

MAT 6731

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

67-Ho-167



67-Ho-167

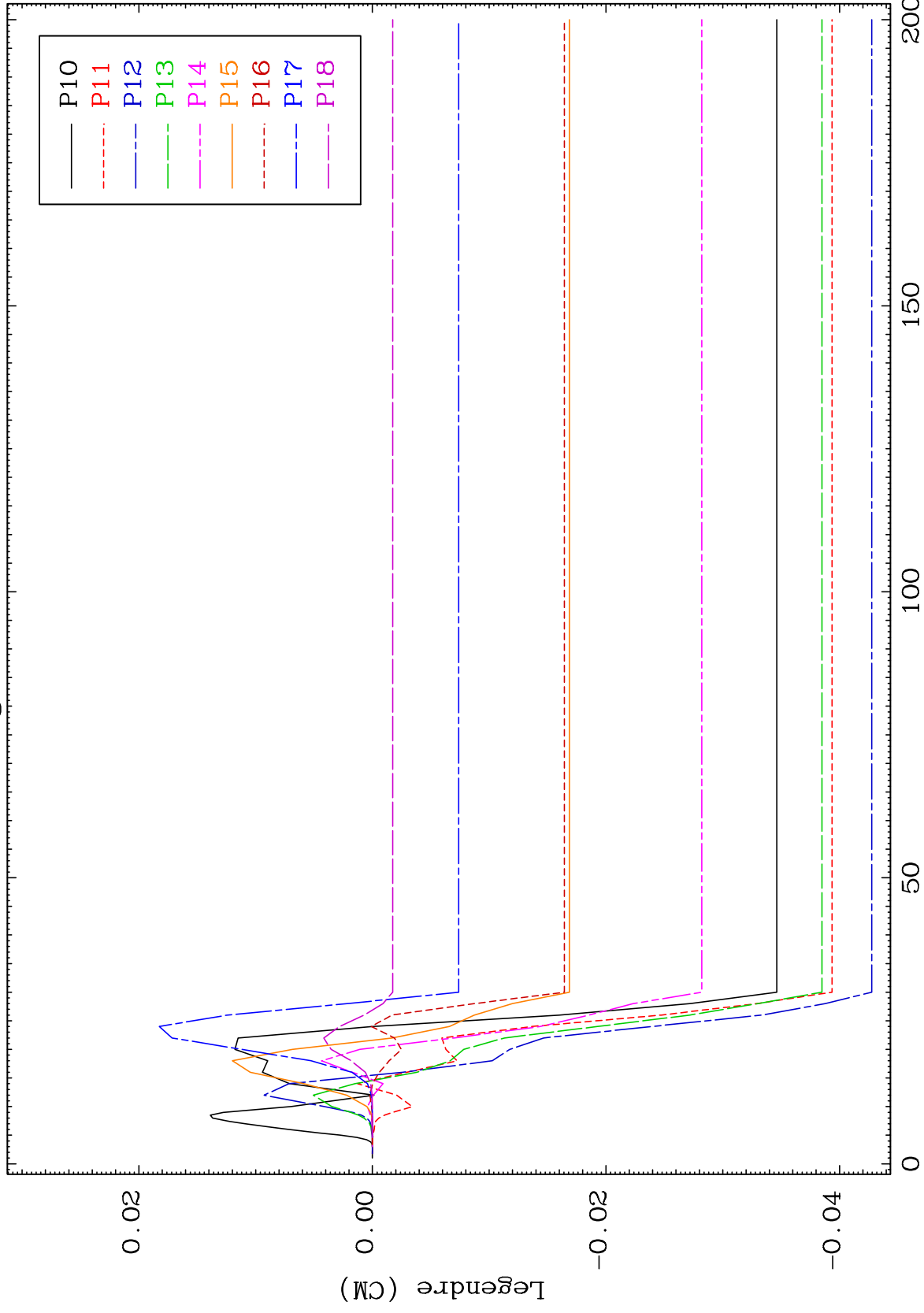
Incident Energy (MeV)

0

MAT 6731

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

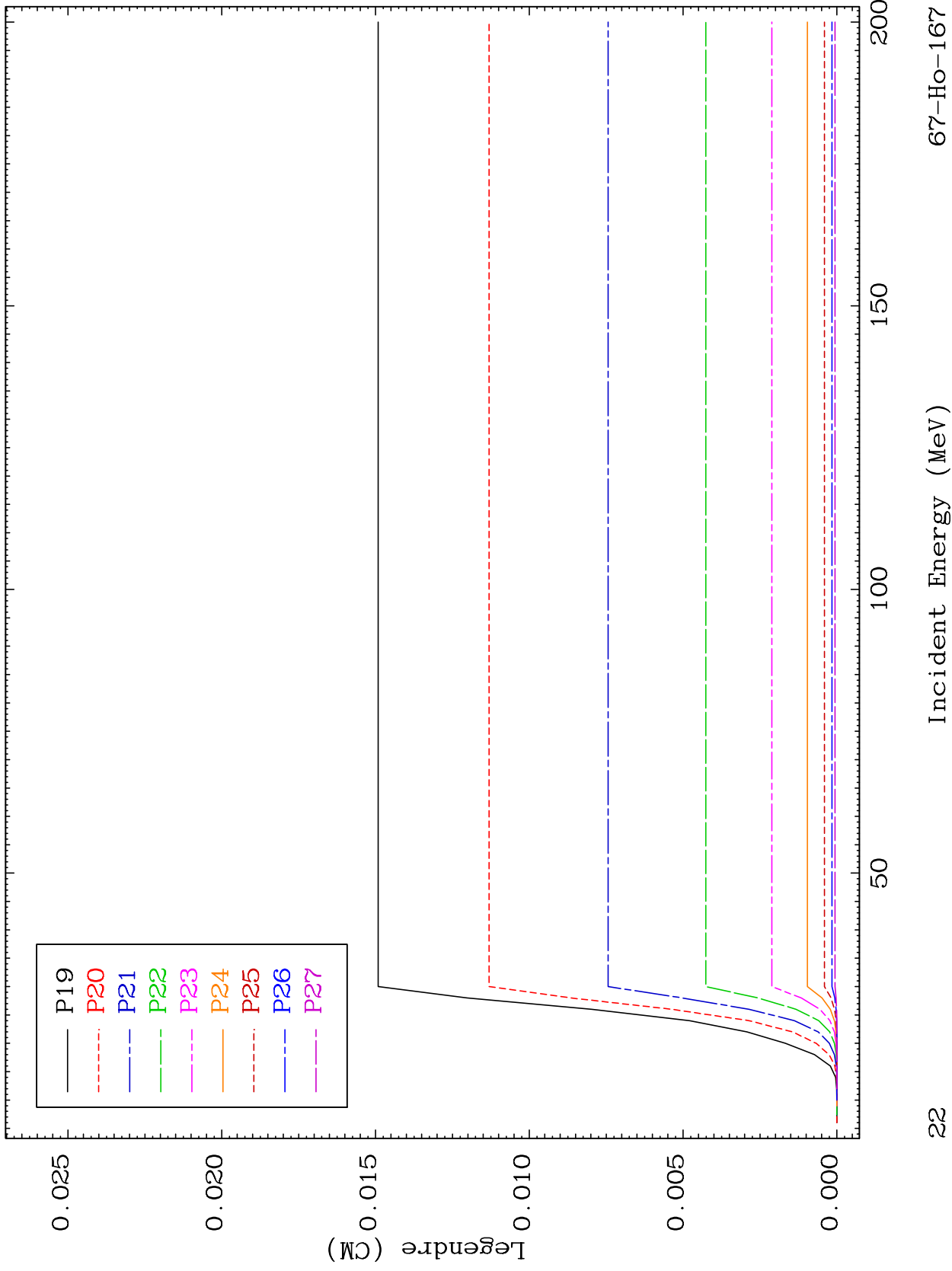
67-Ho-167

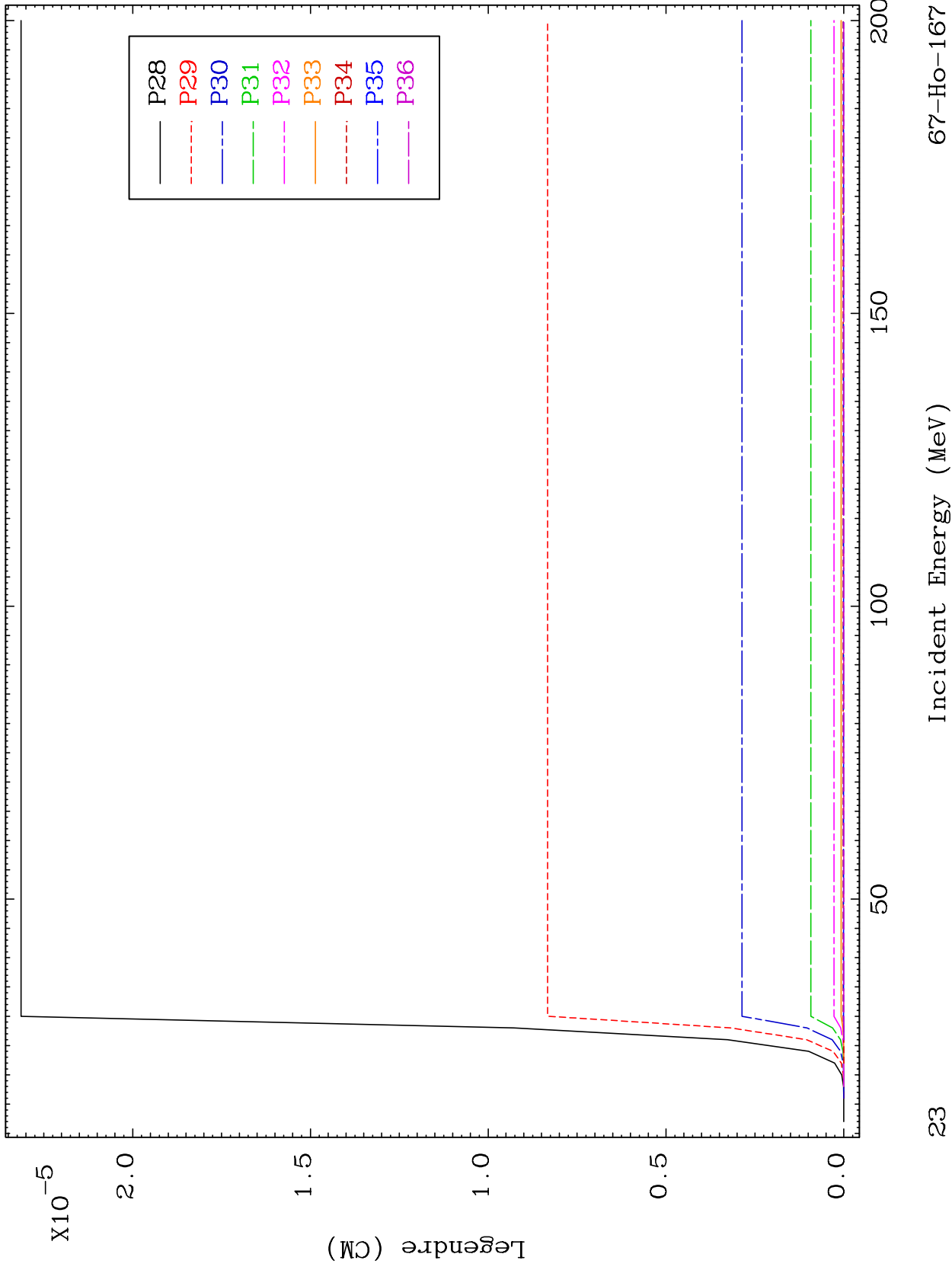


21

Incident Energy (MeV)

67-Ho-167



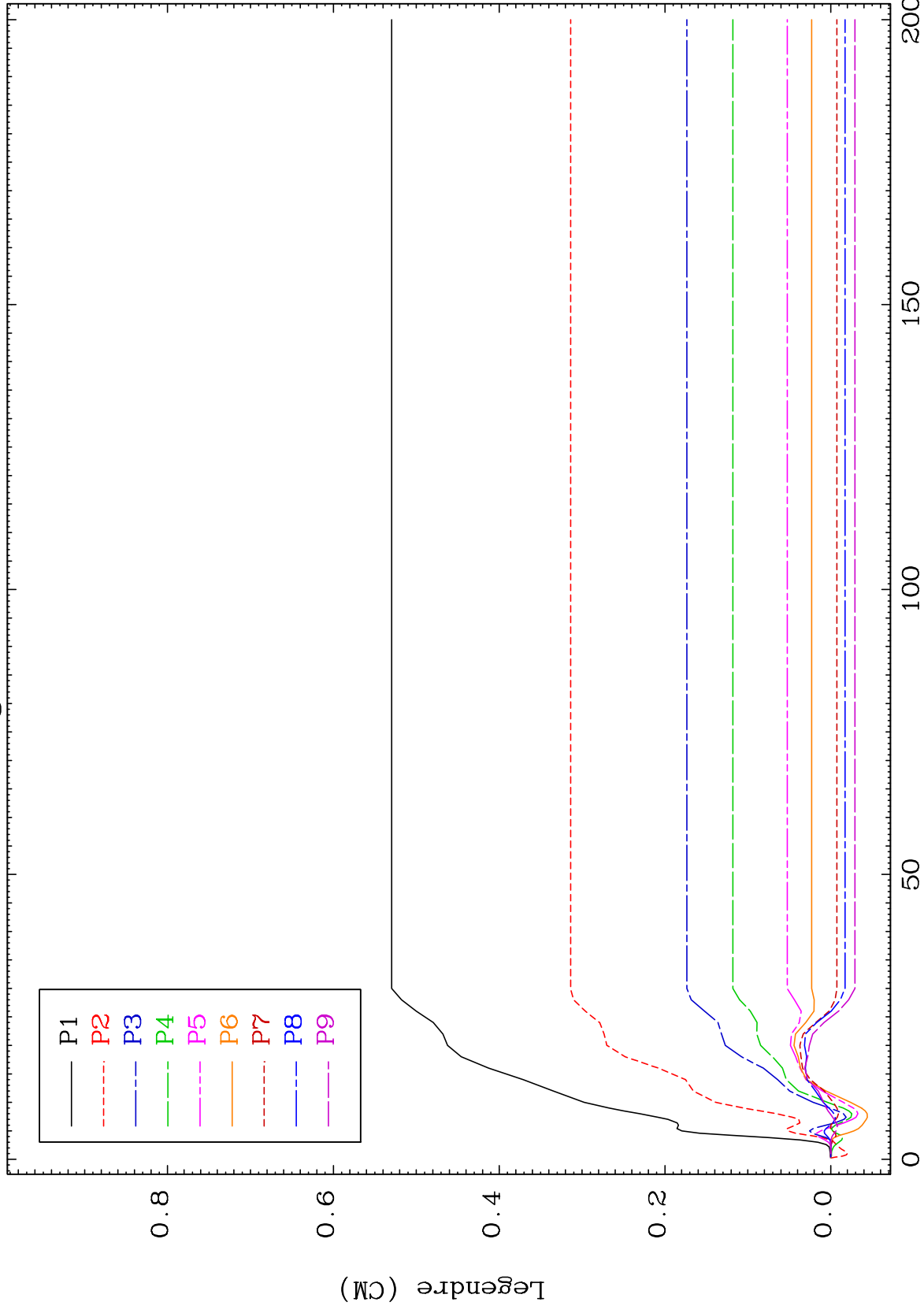




MAT 6731

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

67-Ho-167



24

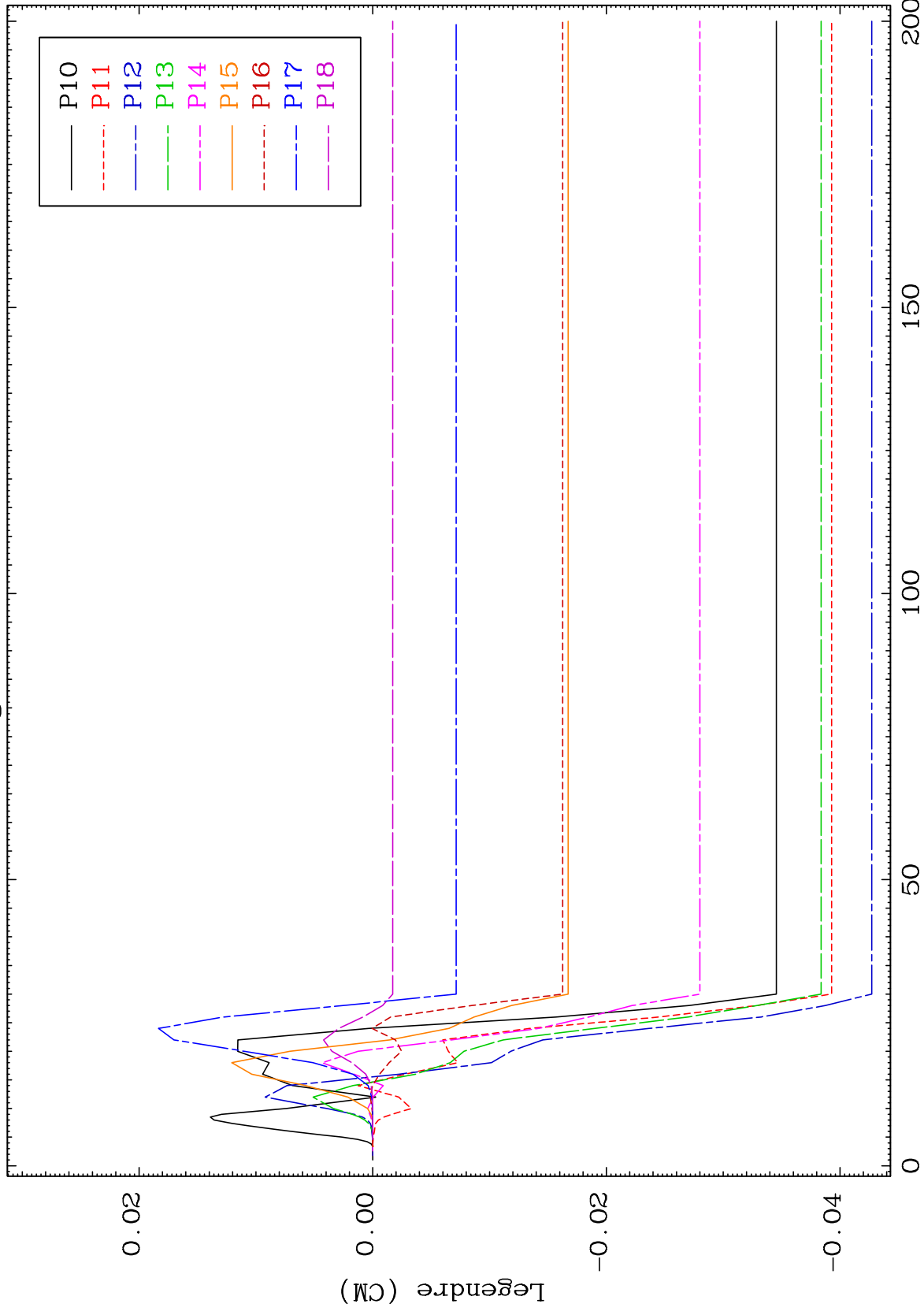
Incident Energy (MeV)

67-Ho-167

MAT 6731

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

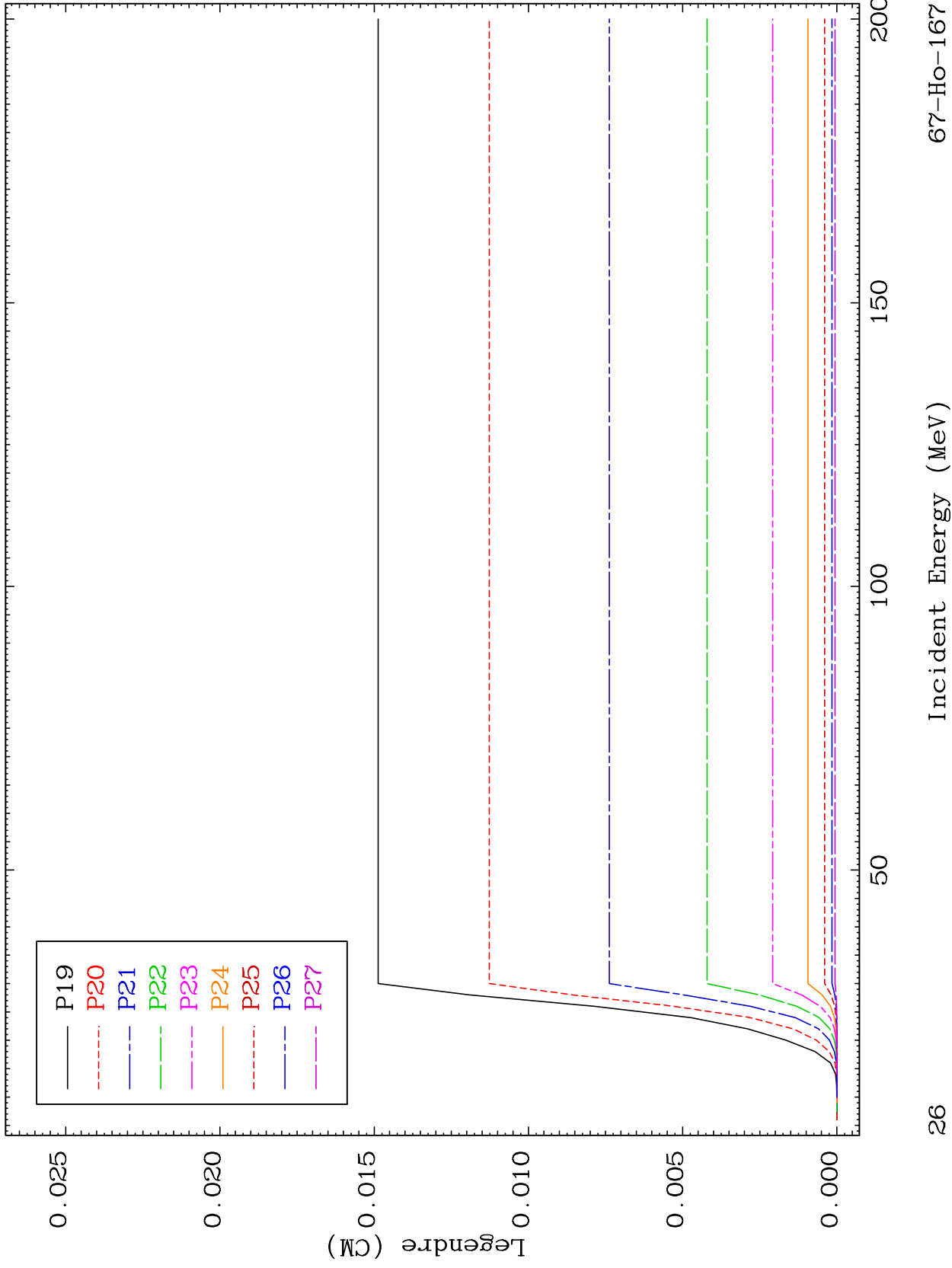
67-Ho-167



25

Incident Energy (MeV)

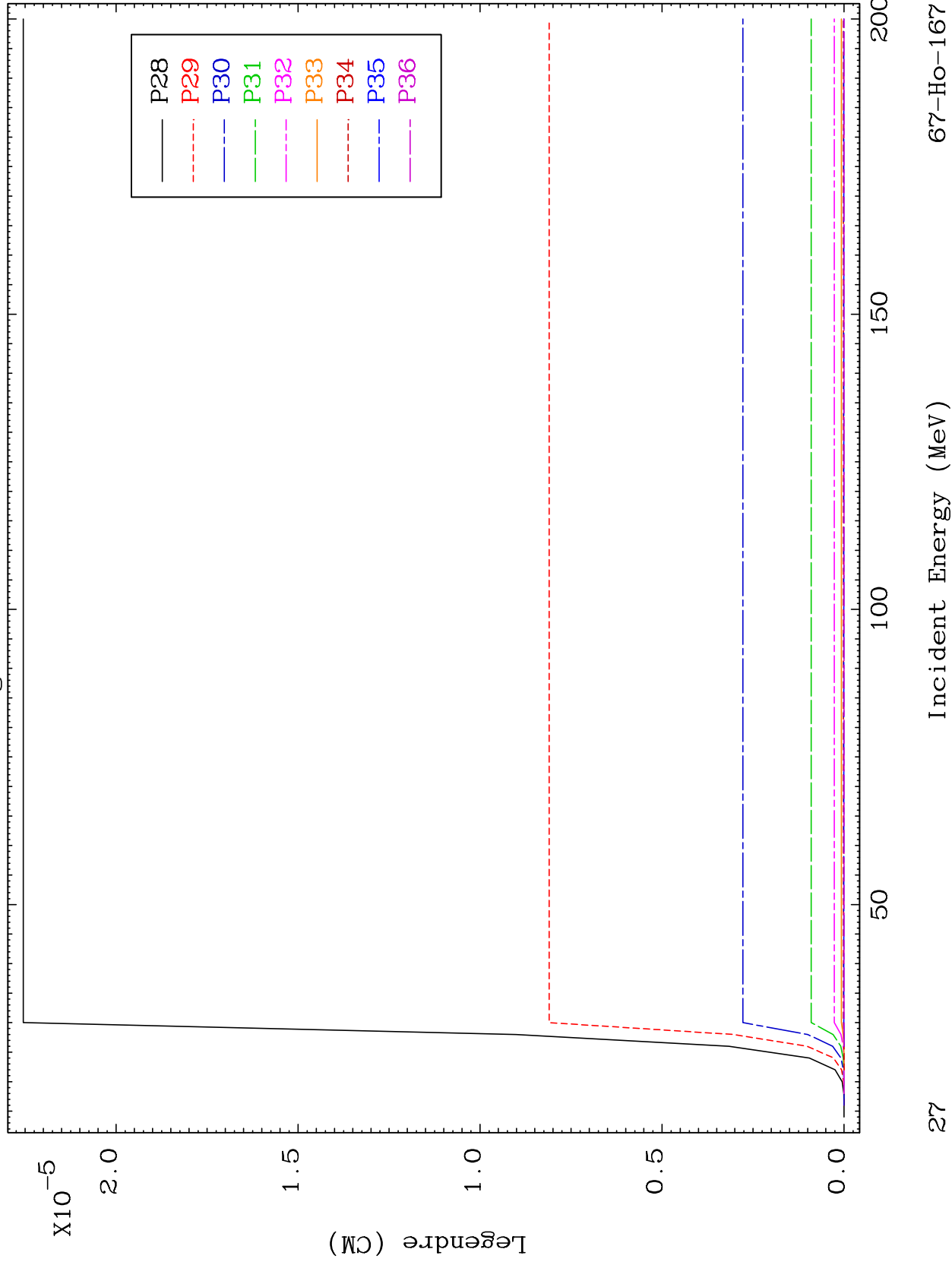
67-Ho-167



MAT 6731

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

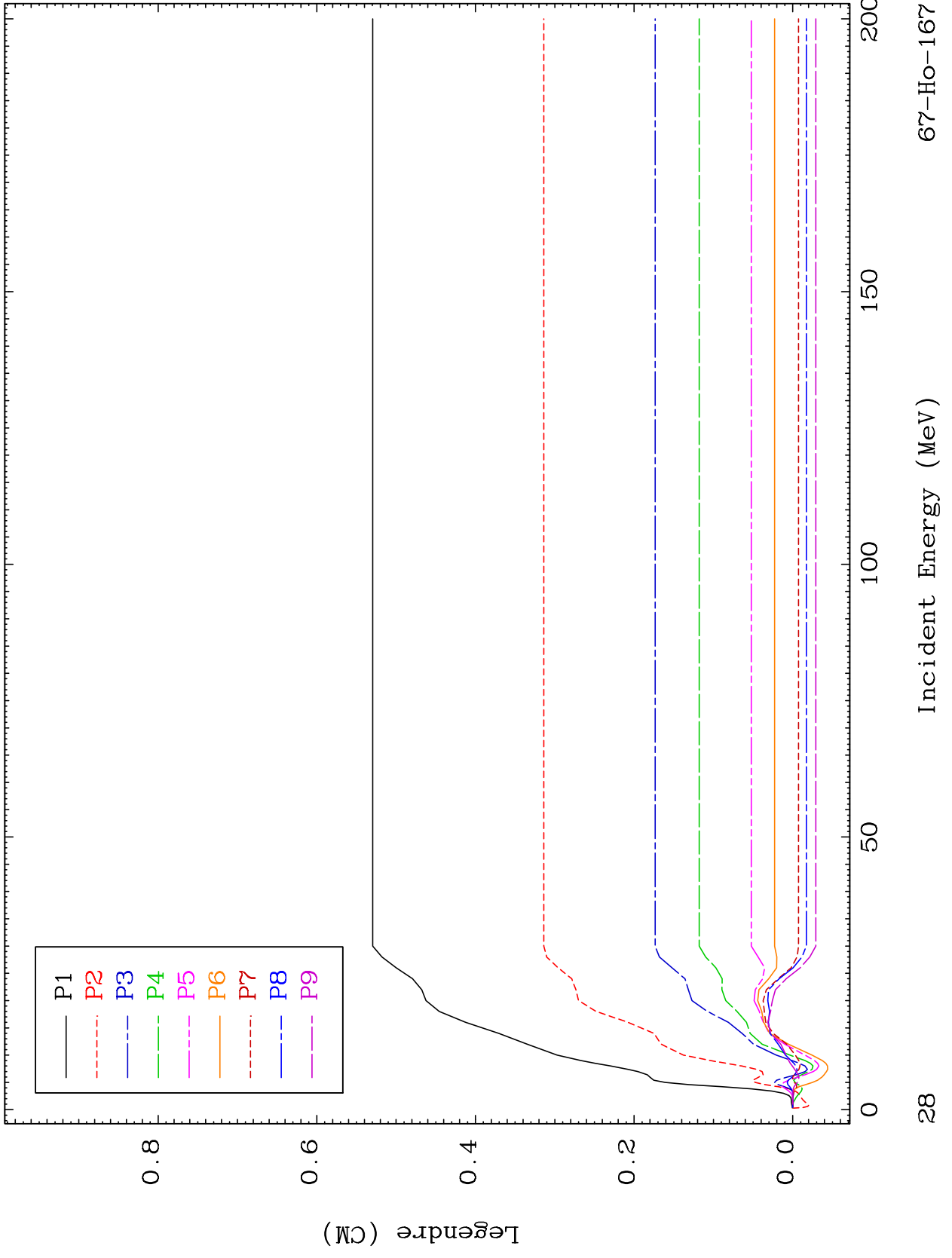
67-Ho-167



MAT 6731

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

67-Ho-167



28

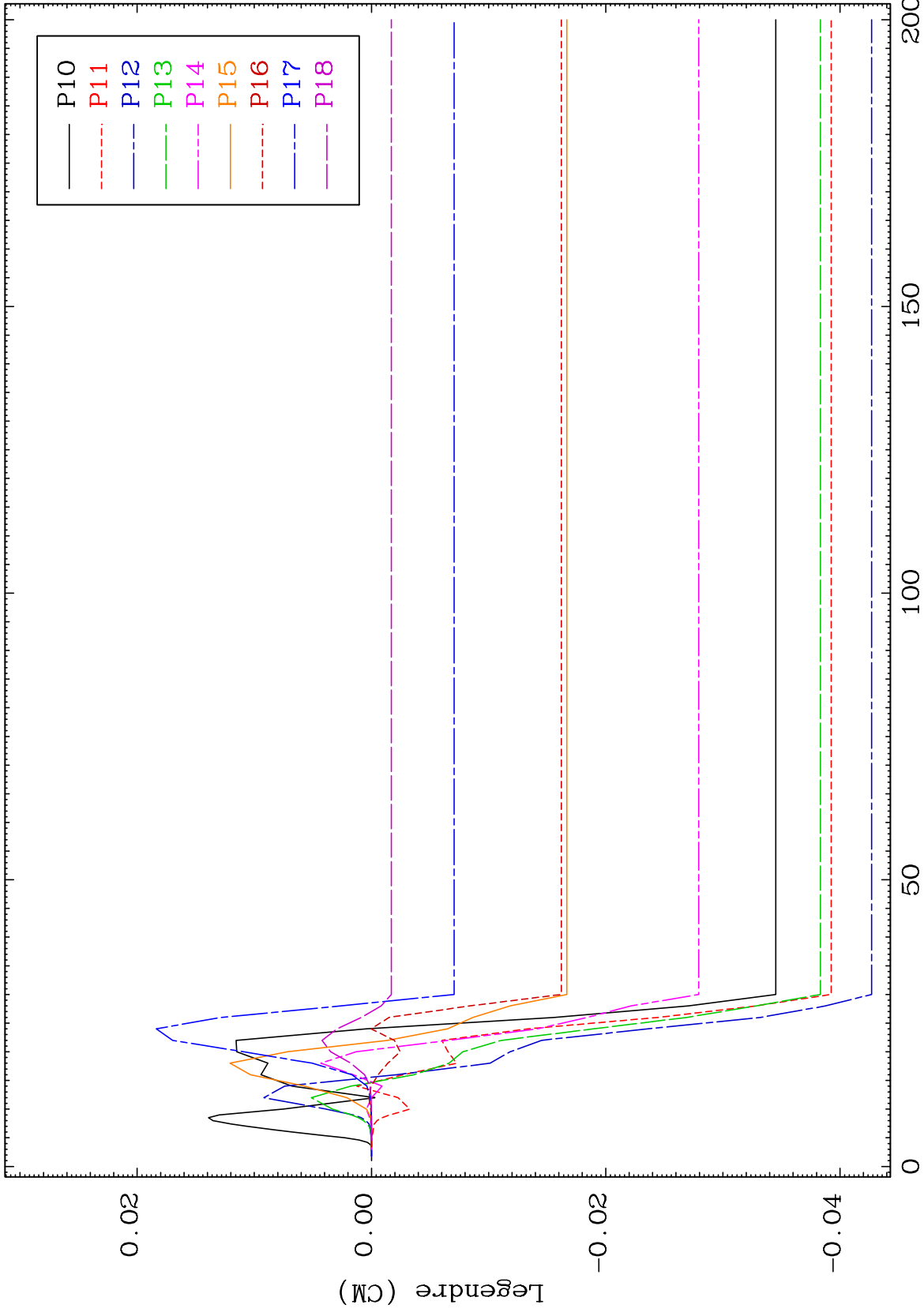
Incident Energy (MeV)

67-Ho-167

MAT 6731

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

67-Ho-167



29

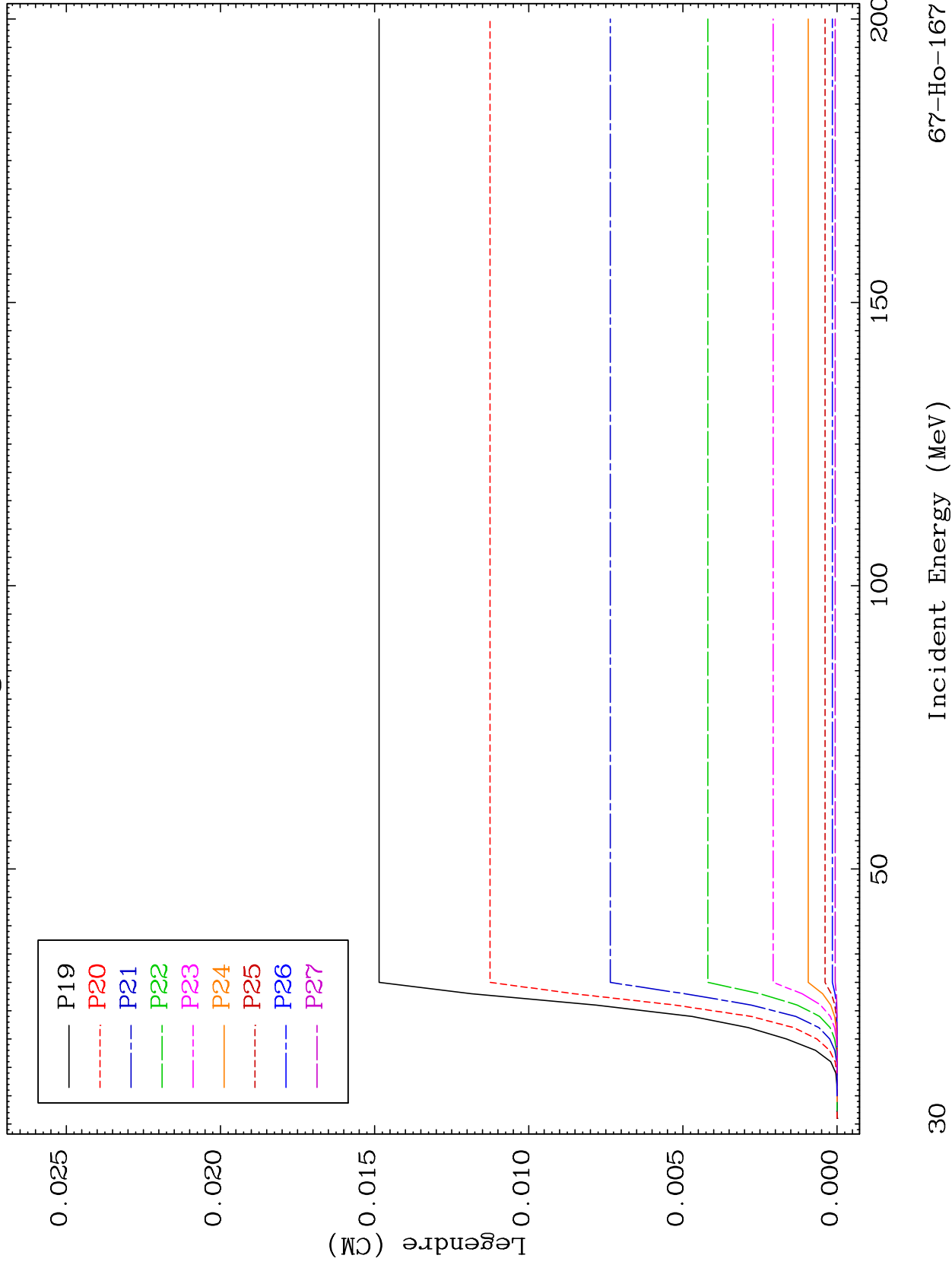
Incident Energy (MeV)

67-Ho-167

MAT 6731

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

67-Ho-167



67-Ho-167

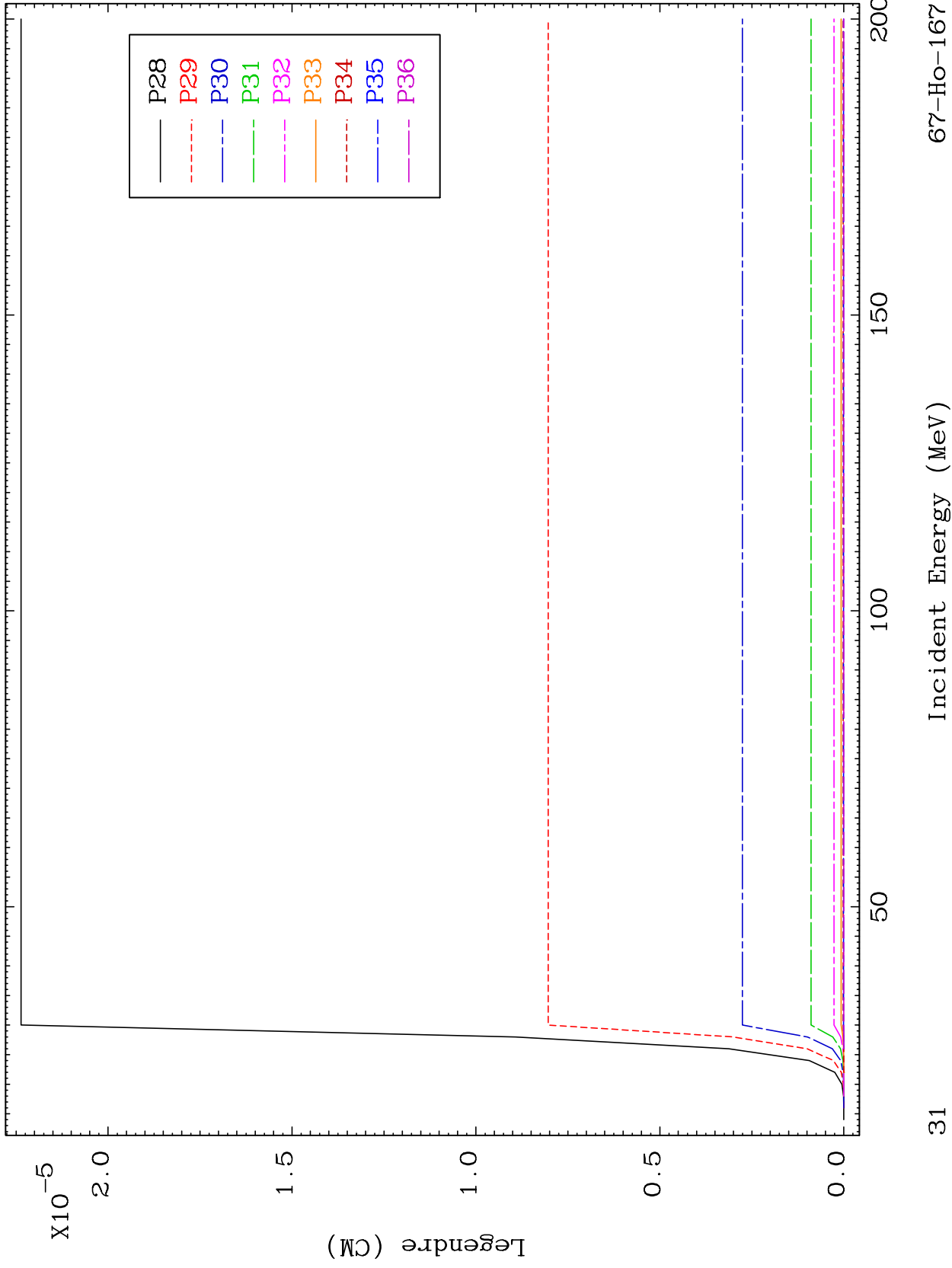
Incident Energy (MeV)

30

MAT 6731

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

67-Ho-167



31

Incident Energy (MeV)

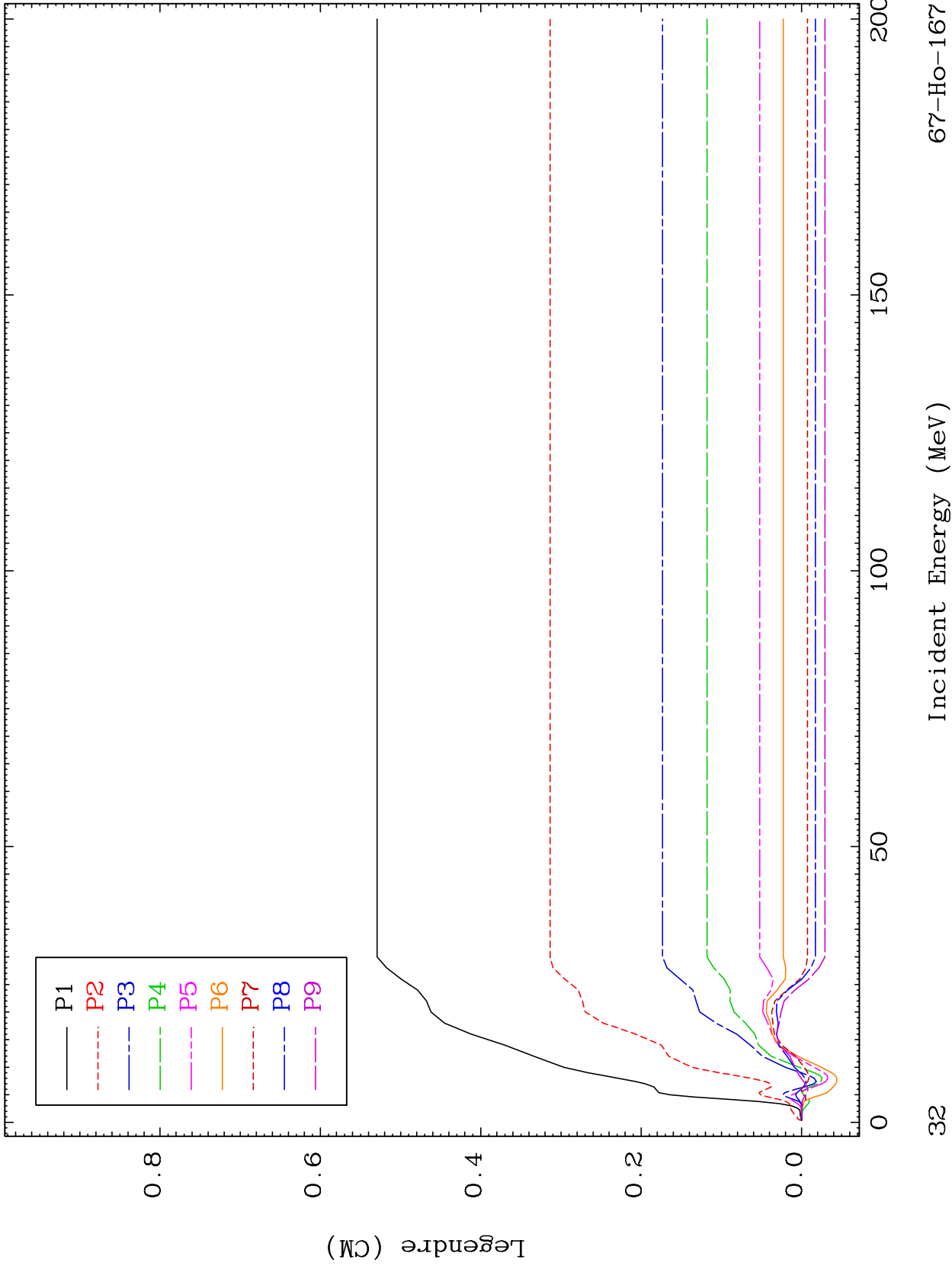
67-Ho-167



MAT 6731

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

67-Ho-167



32

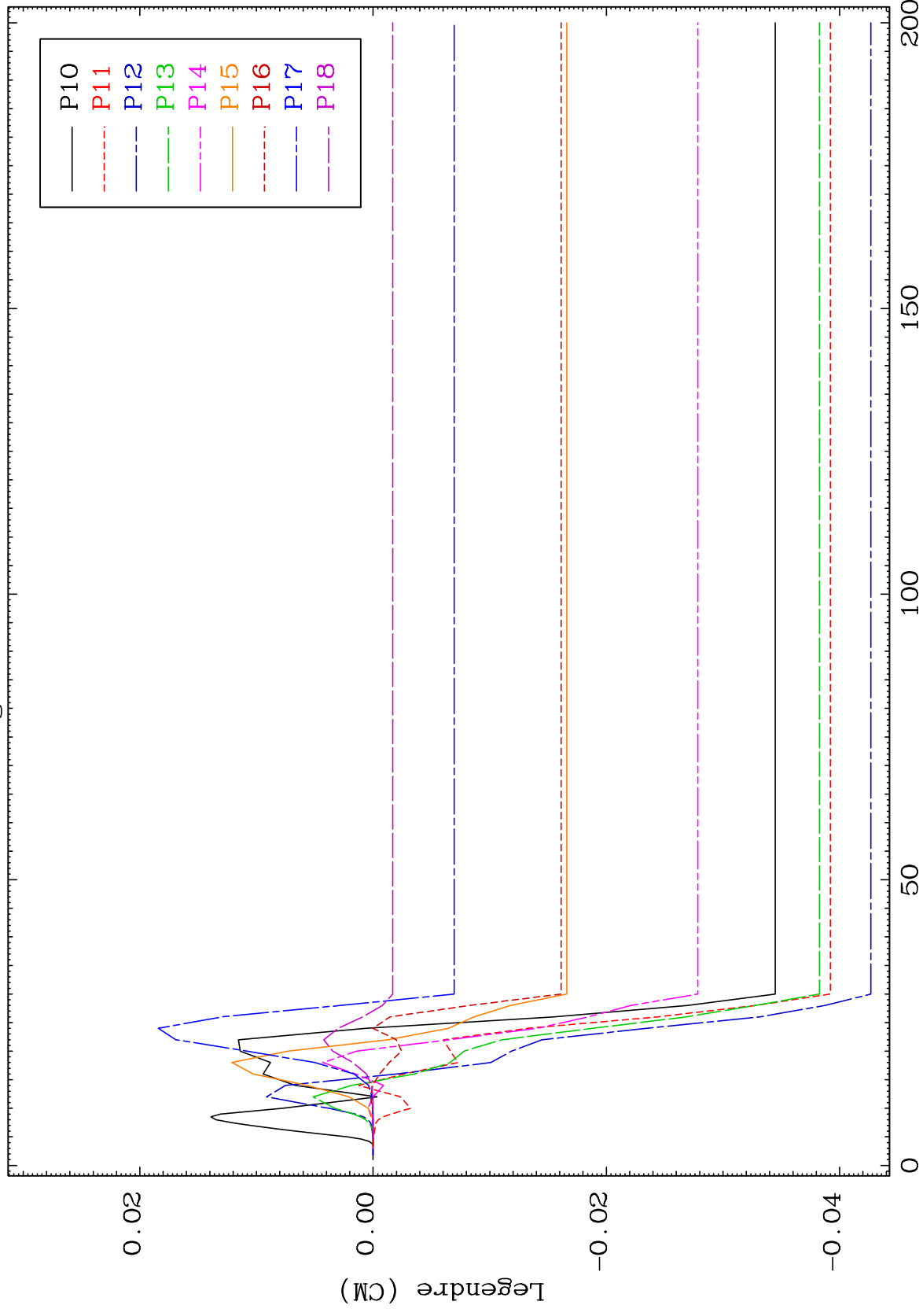
Incident Energy (MeV)

67-Ho-167

MAT 6731

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

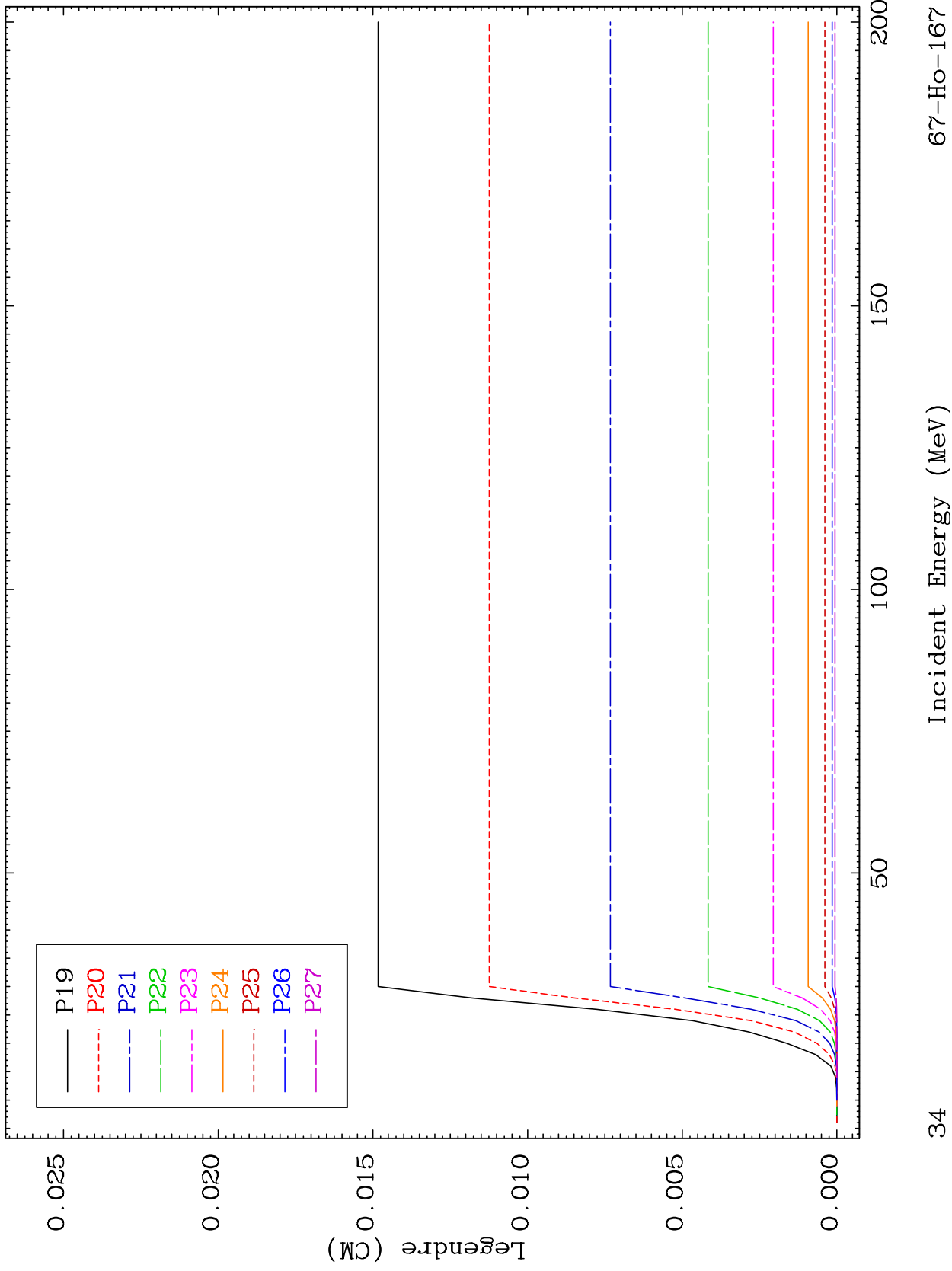
67-Ho-167



33

Incident Energy (MeV)

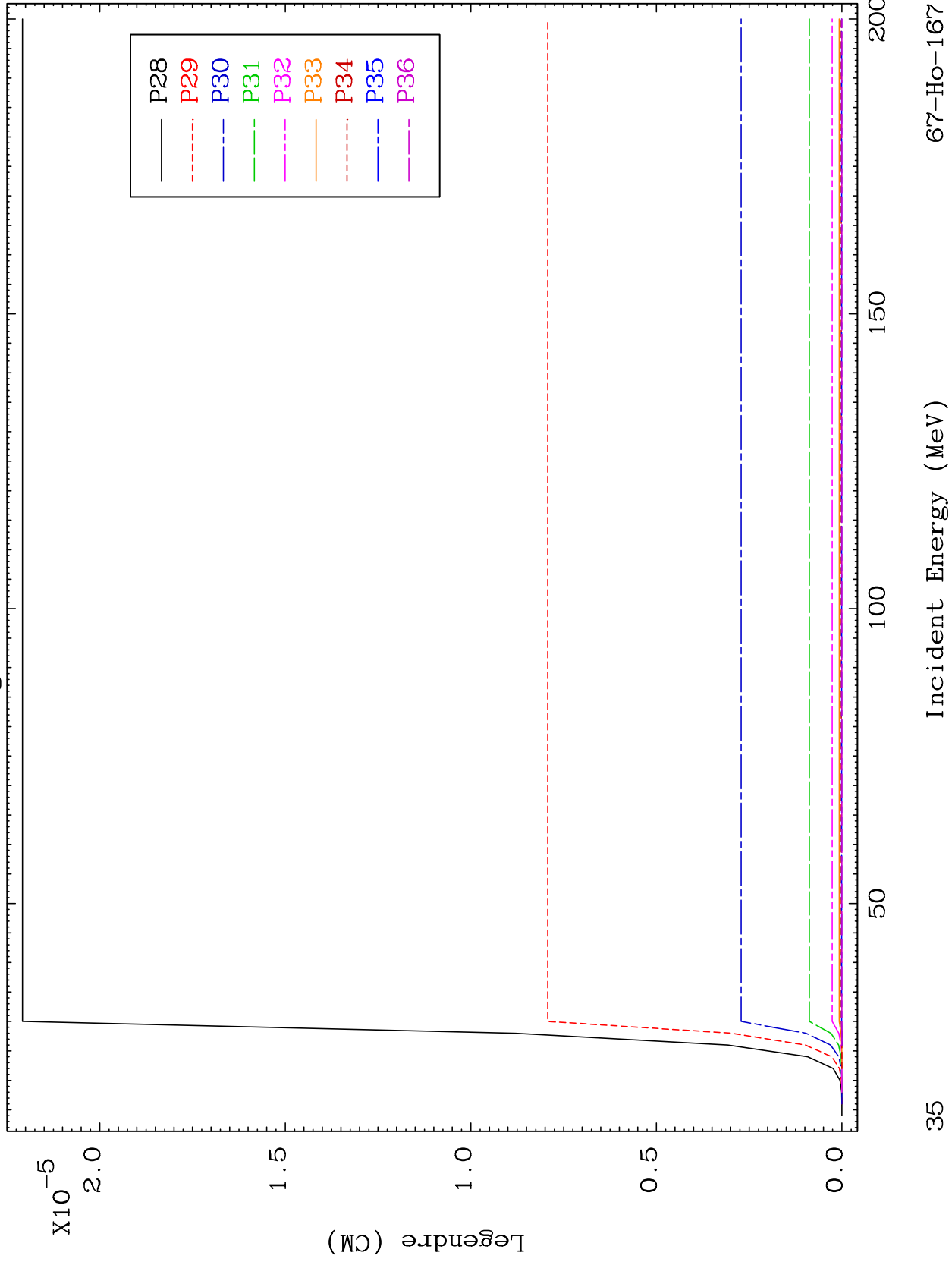
67-Ho-167



MAT 6731

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

67-Ho-167



35

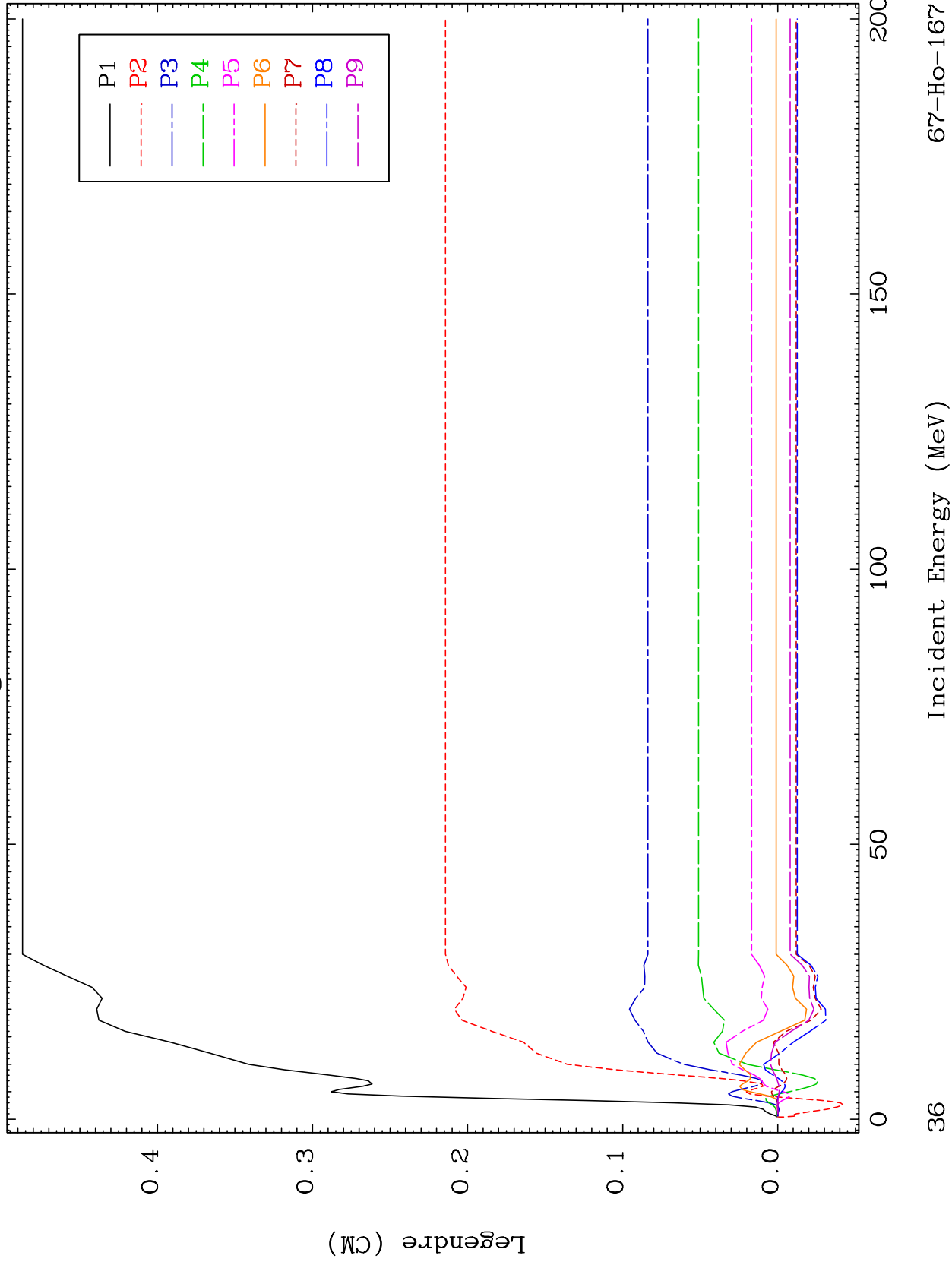
Incident Energy (MeV)

67-Ho-167

MAT 6731

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

67-Ho-167



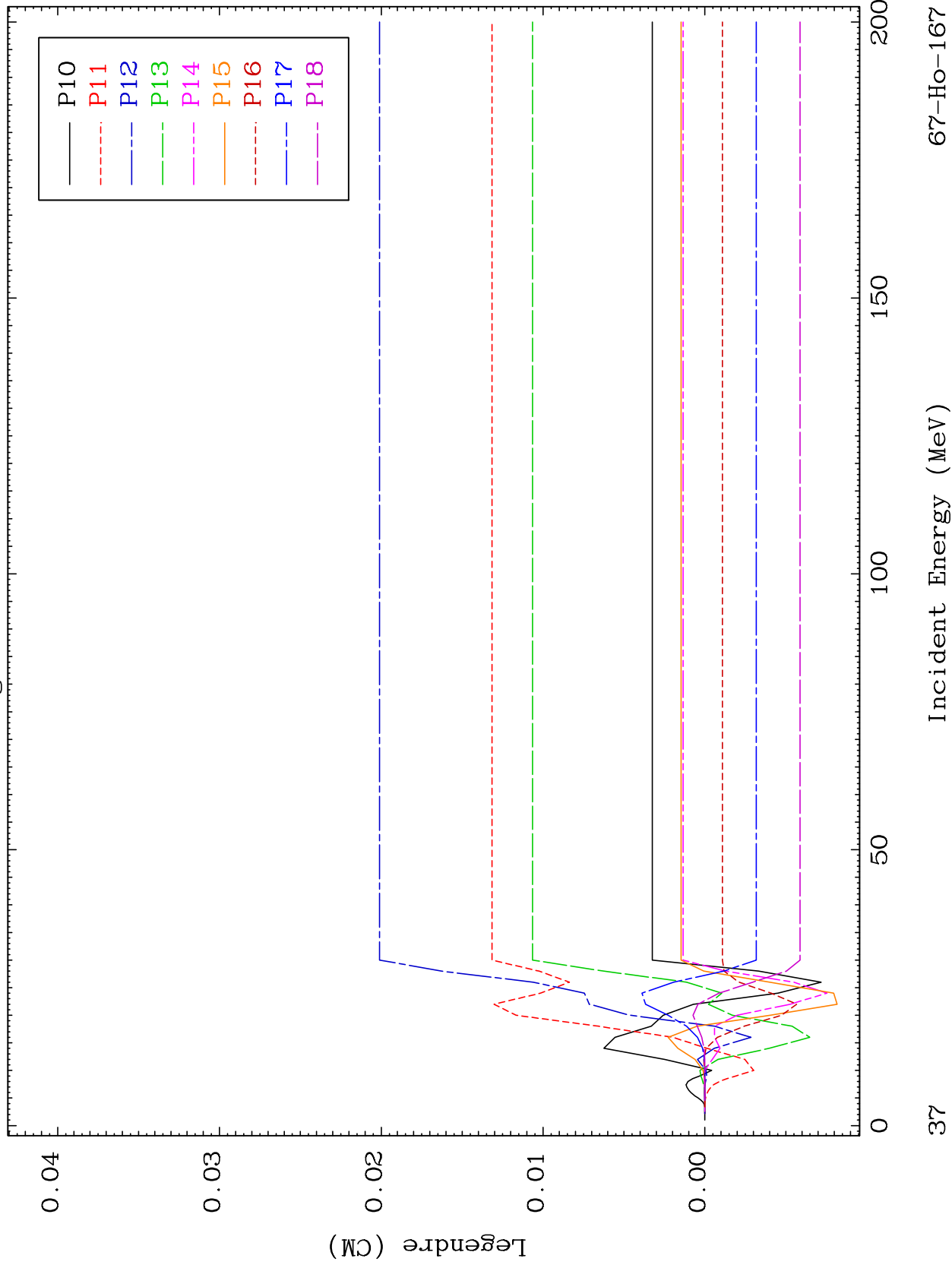
36

67-Ho-167

MAT 6731

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

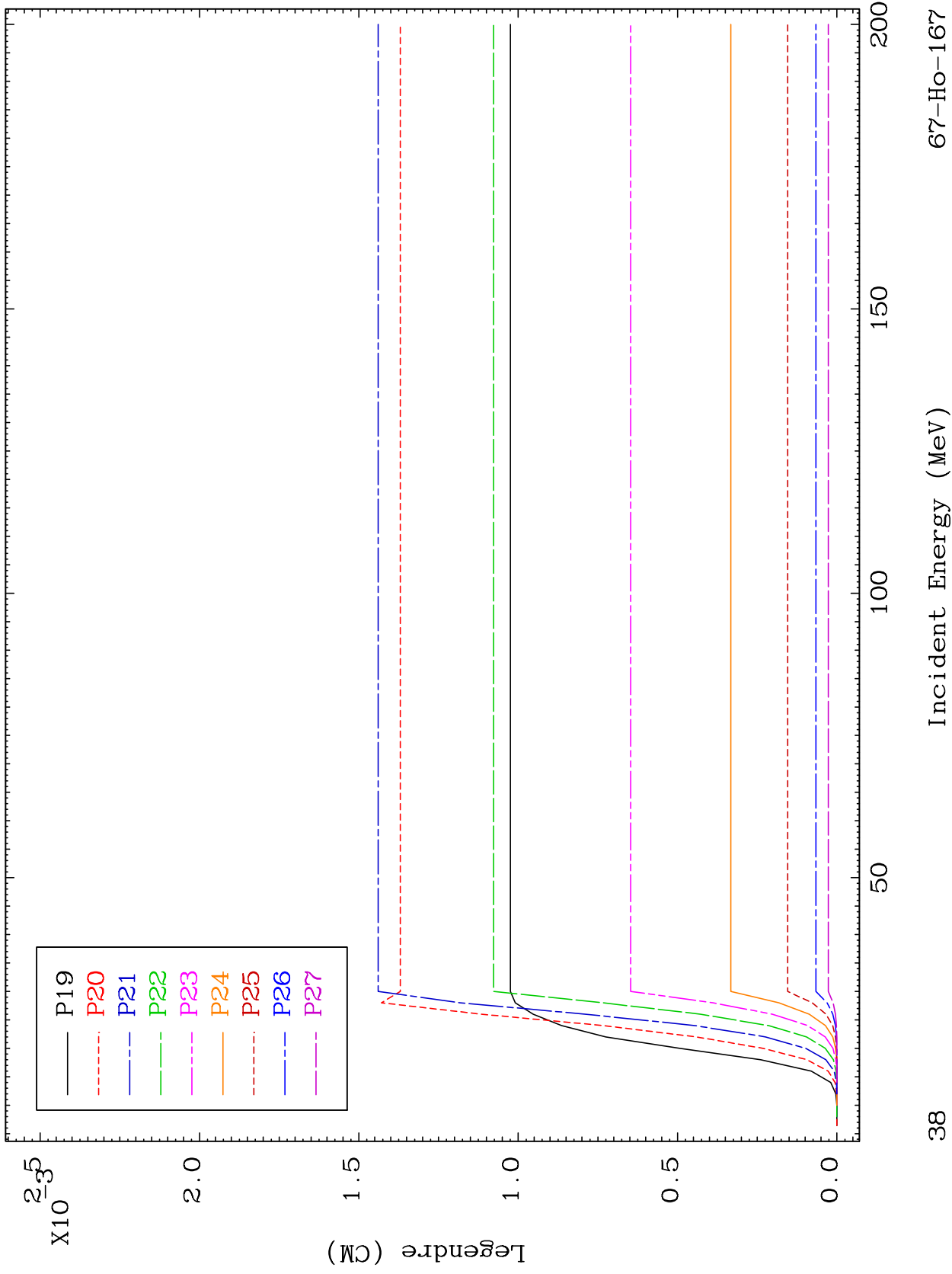
67-Ho-167



37

Incident Energy (MeV)

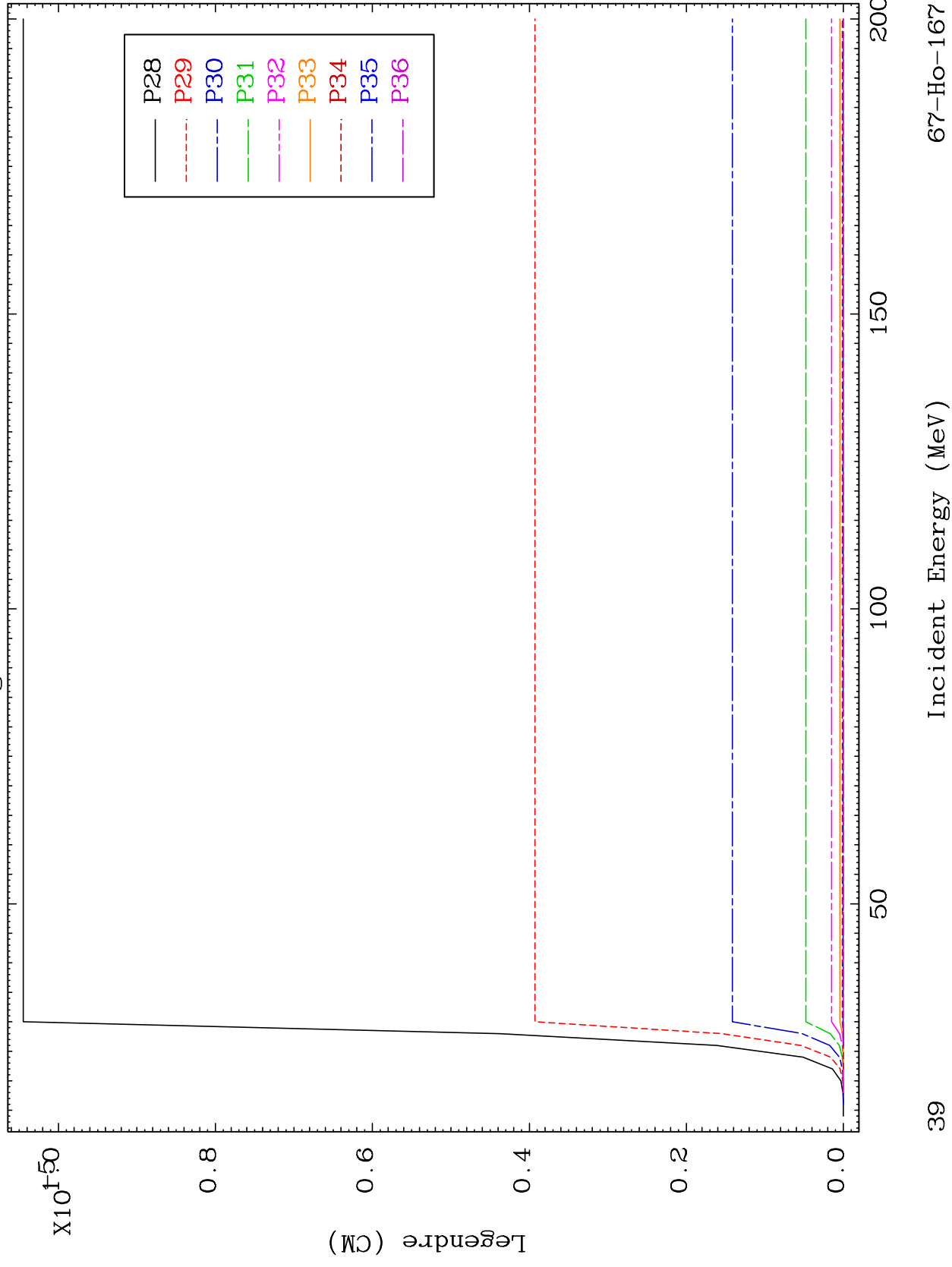
67-Ho-167



MAT 6731

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

67-Ho-167



39

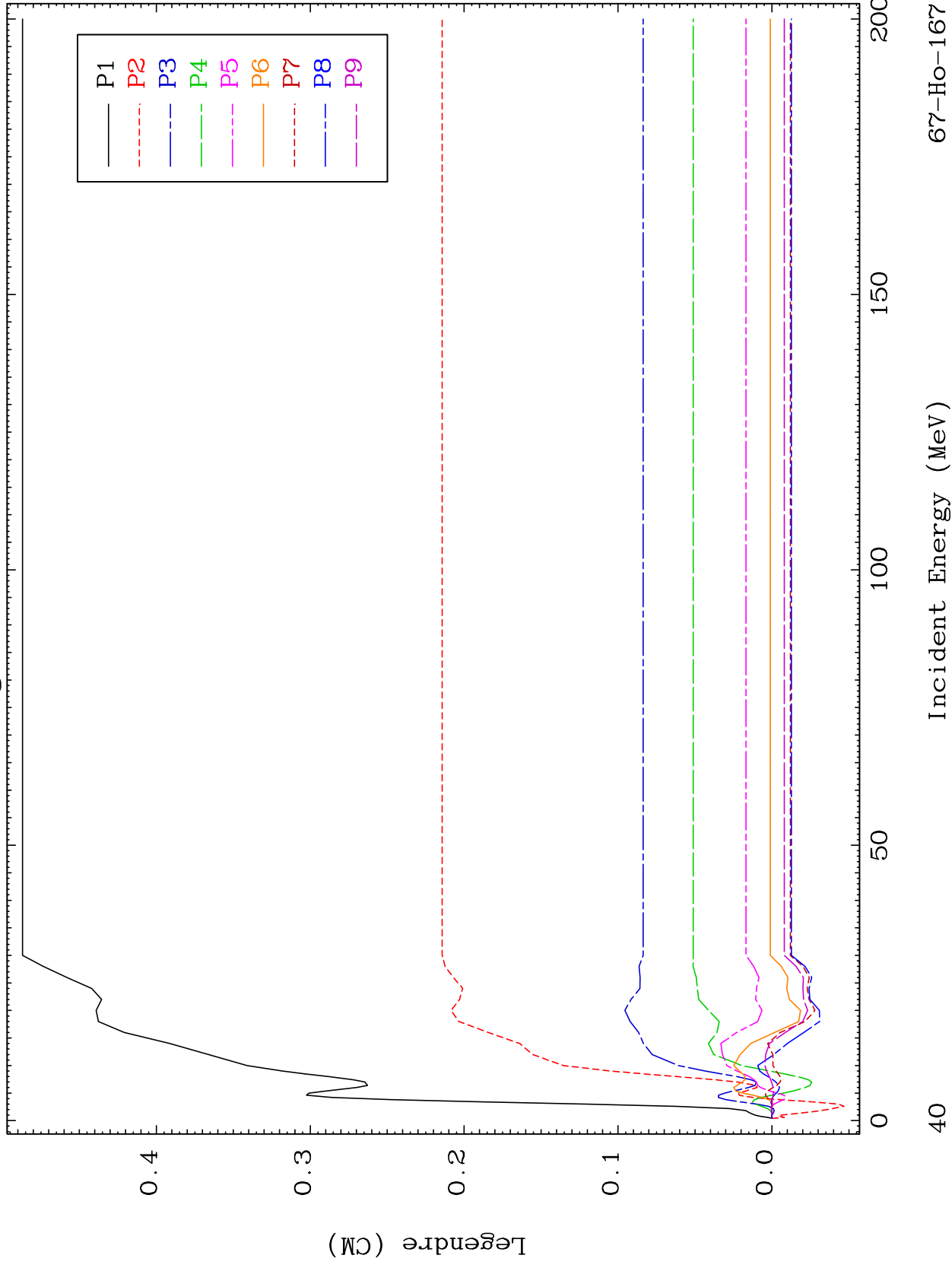
67-Ho-167



MAT 6731

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

67-Ho-167

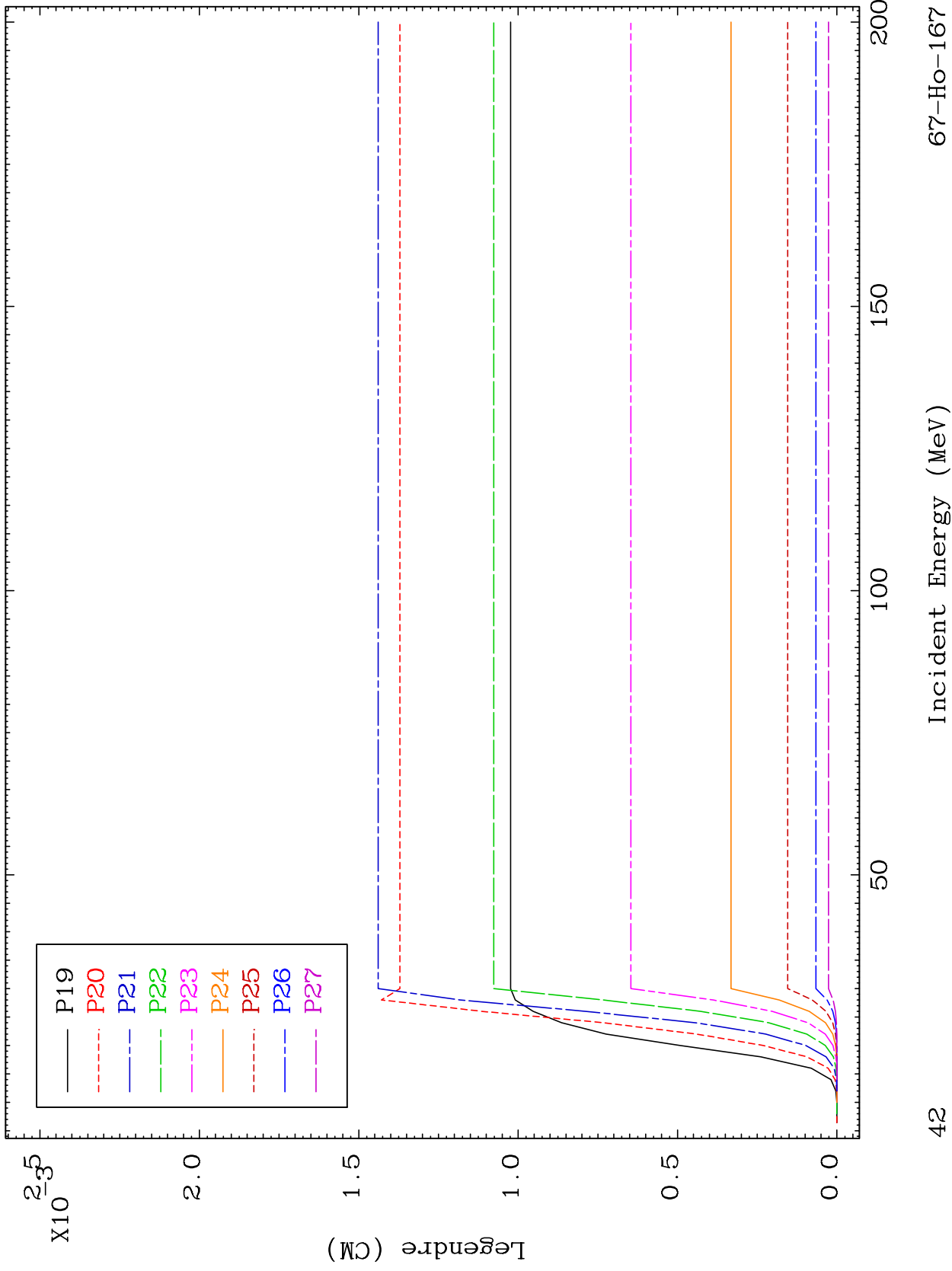


67-Ho-167

Incident Energy (MeV)

40

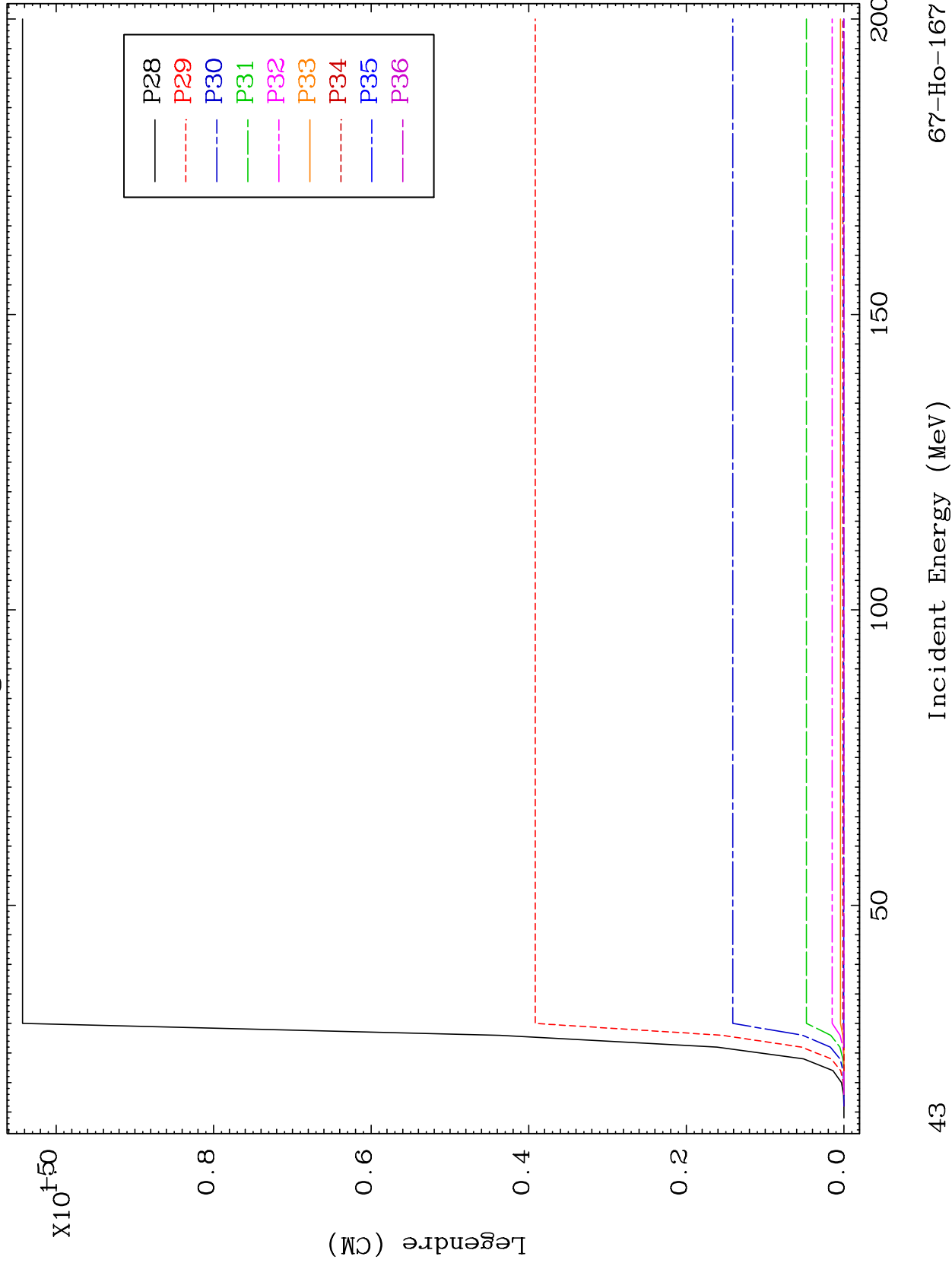




MAT 6731

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

67-Ho-167



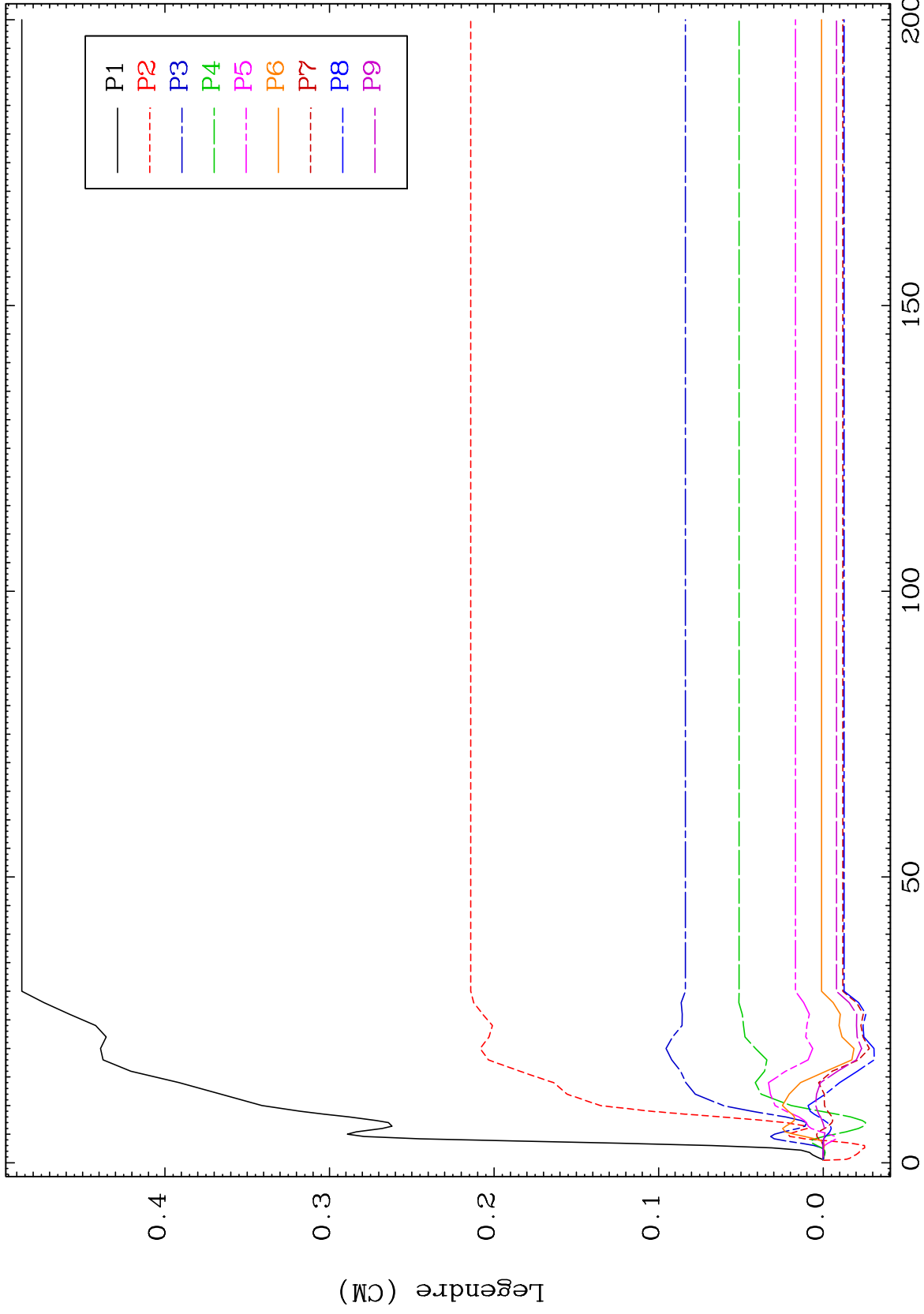
43

67-Ho-167

MAT 6731

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

67-Ho-167



44

Incident Energy (MeV)

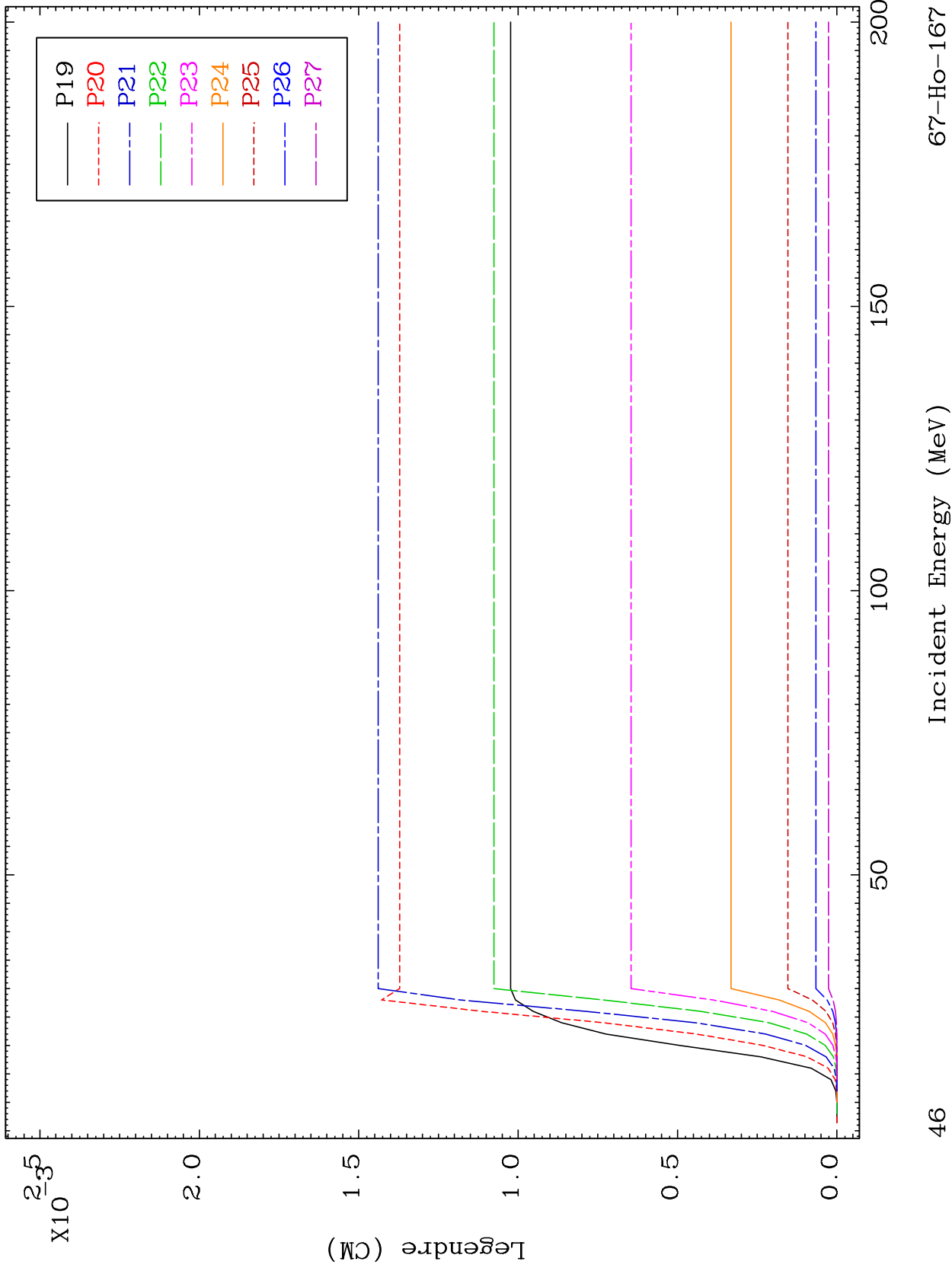
67-Ho-167



MAT 6731

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

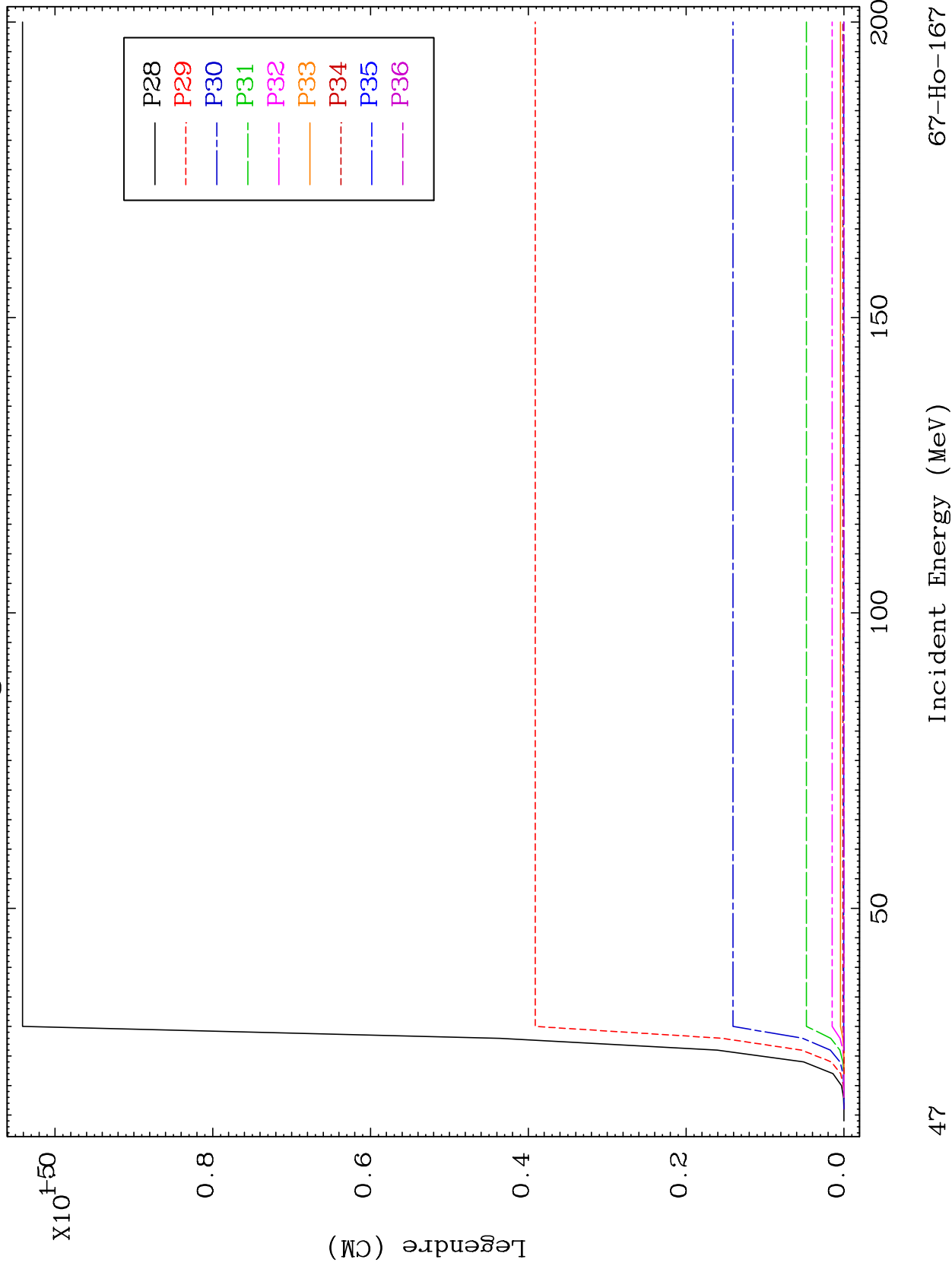
67-Ho-167



MAT 6731

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

67-Ho-167

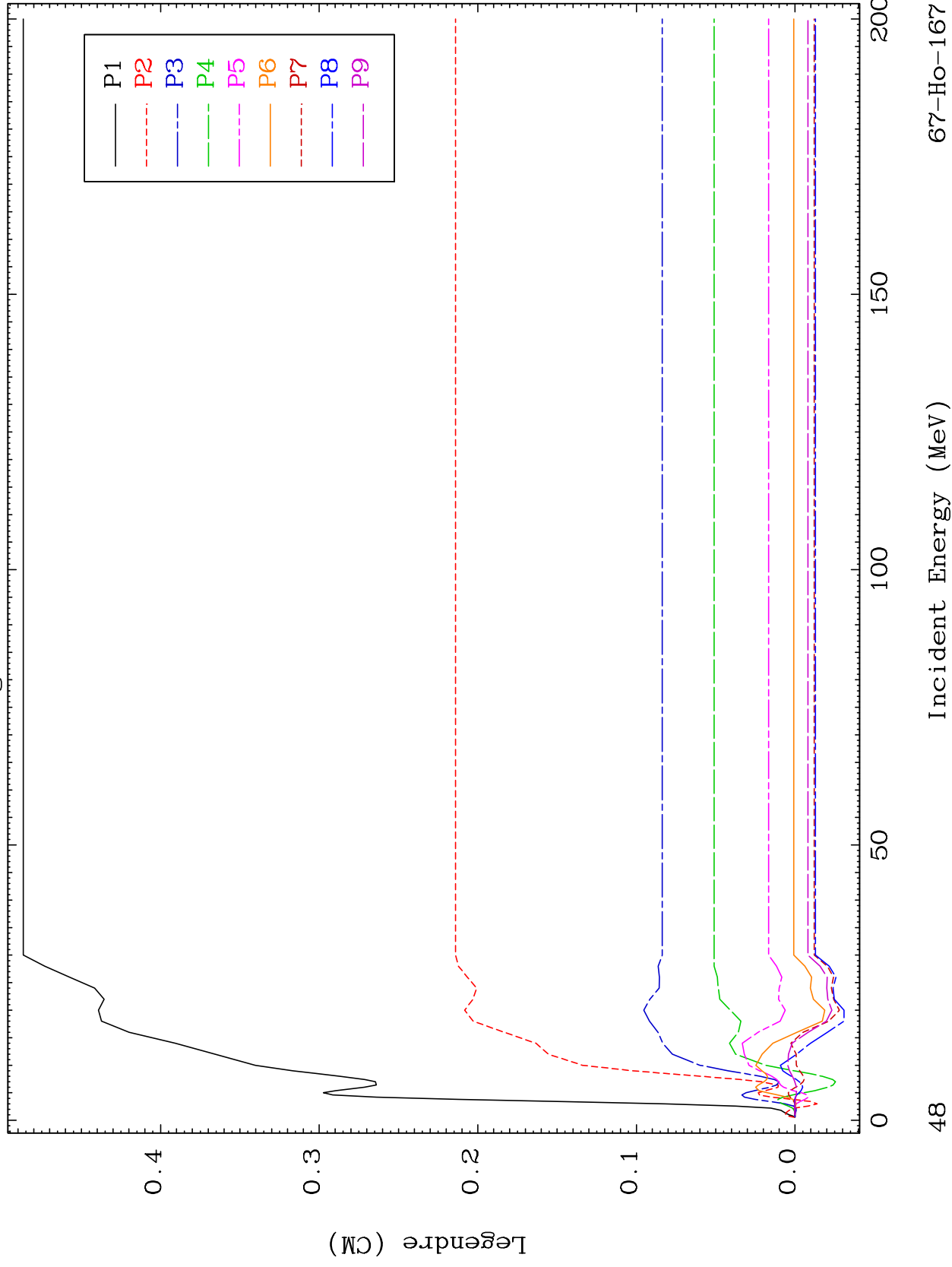




MAT 6731

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

67-Ho-167



67-Ho-167

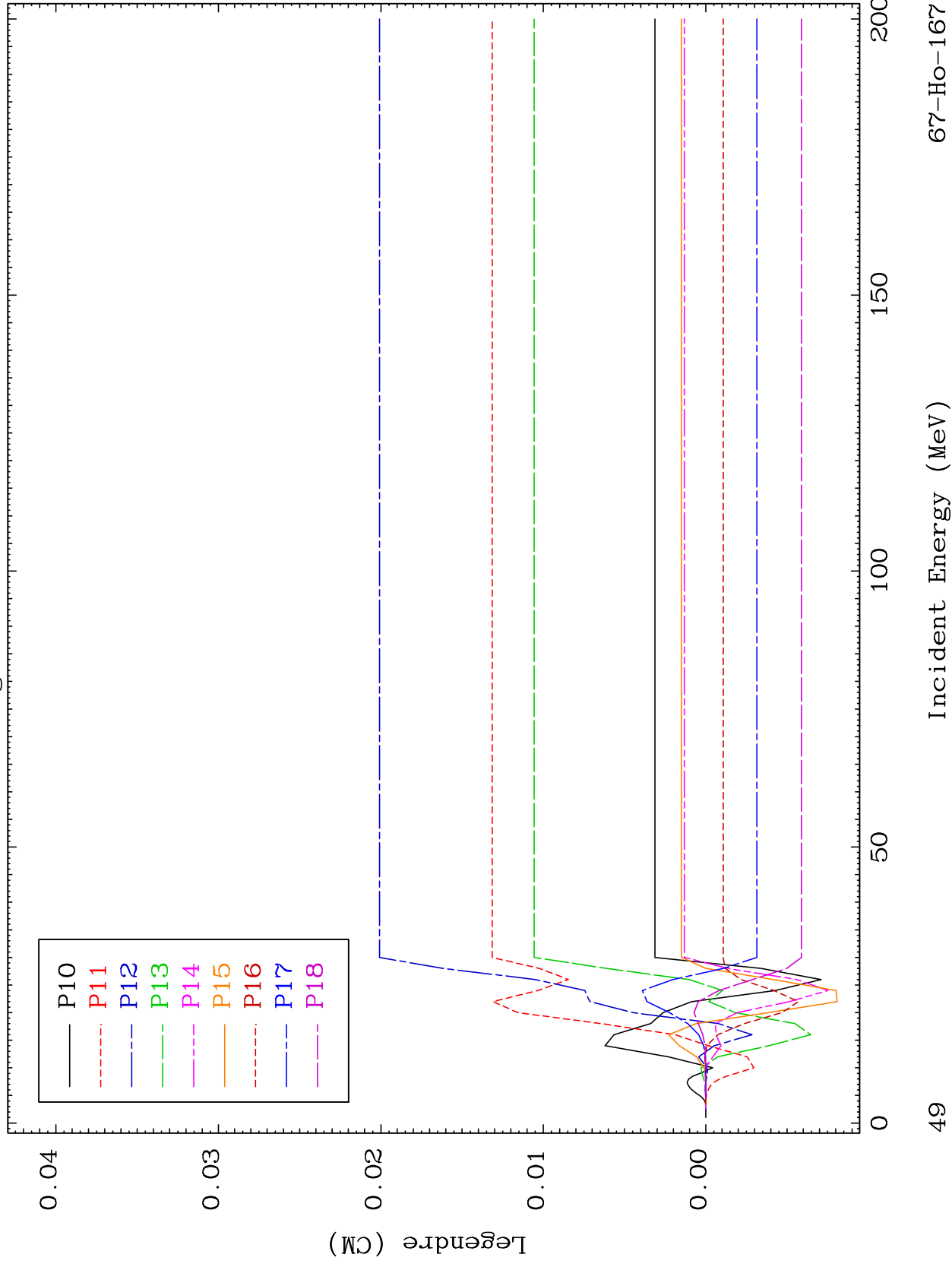
Incident Energy (MeV)

48

MAT 6731

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

67-Ho-167



49

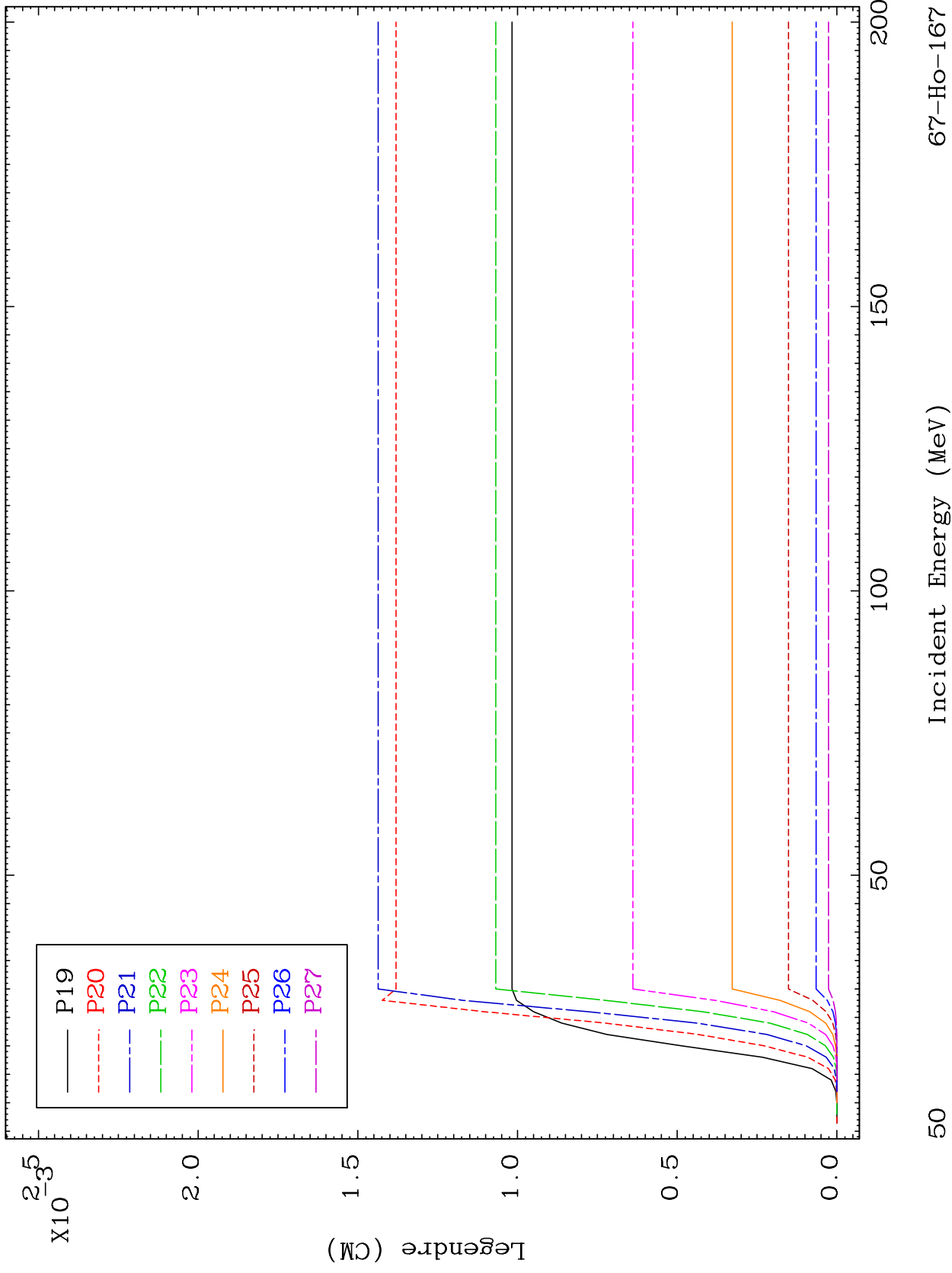
Incident Energy (MeV)

67-Ho-167

MAT 6731

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

67-Ho-167



67-Ho-167

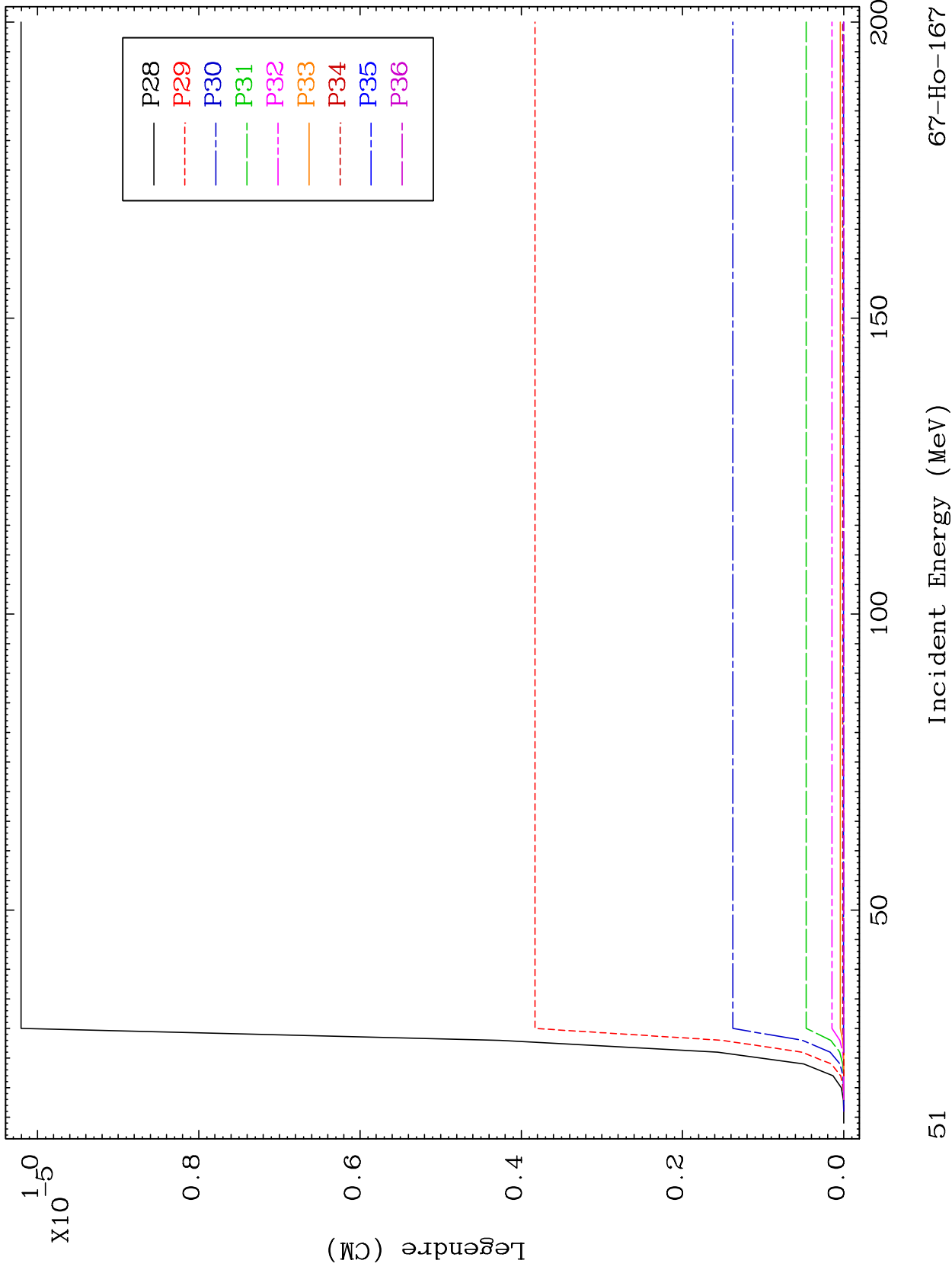
Incident Energy (MeV)

50

MAT 6731

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

67-Ho-167



51

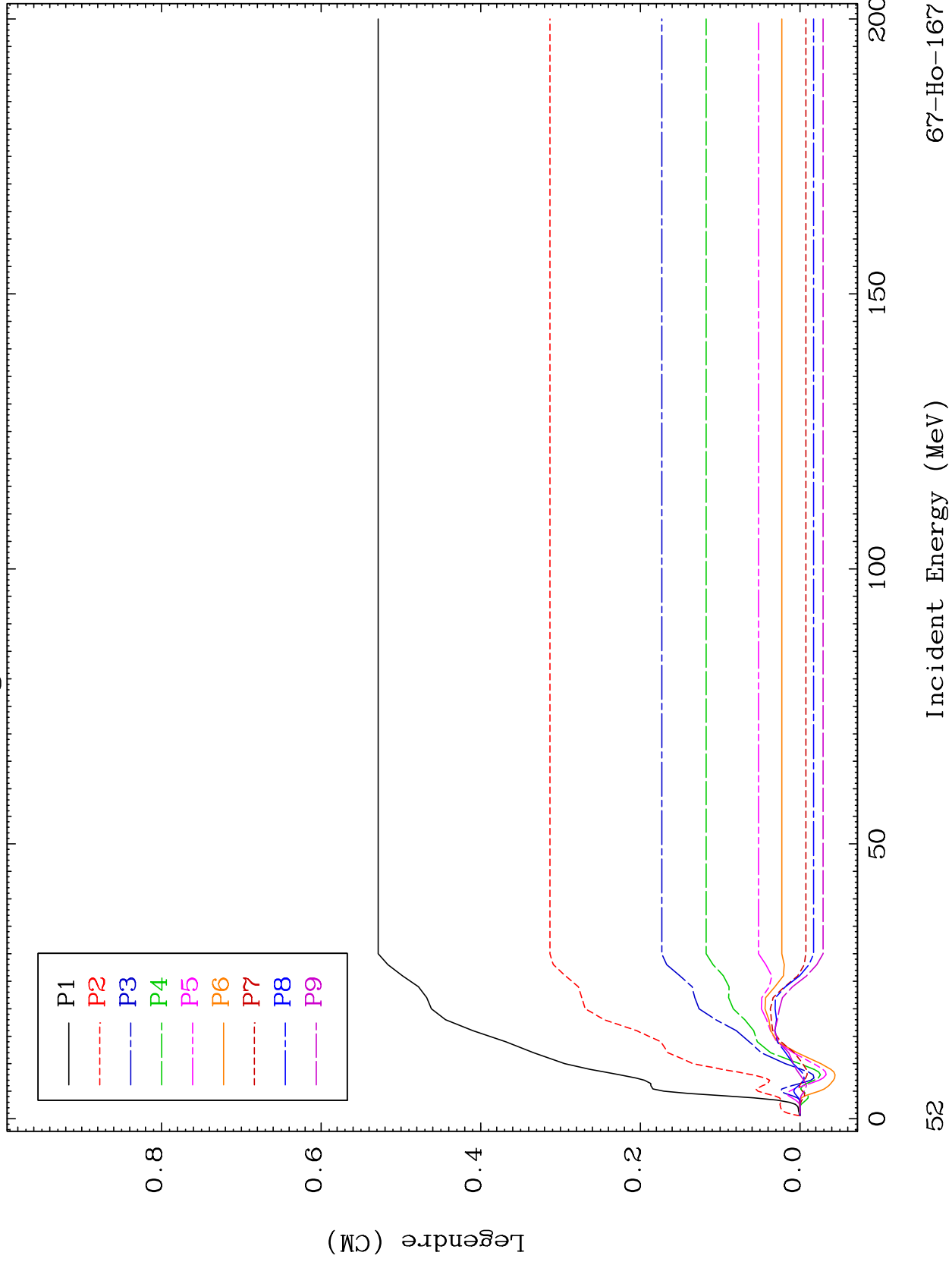
Incident Energy (MeV)

67-Ho-167

MAT 6731

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

67-Ho-167



67-Ho-167

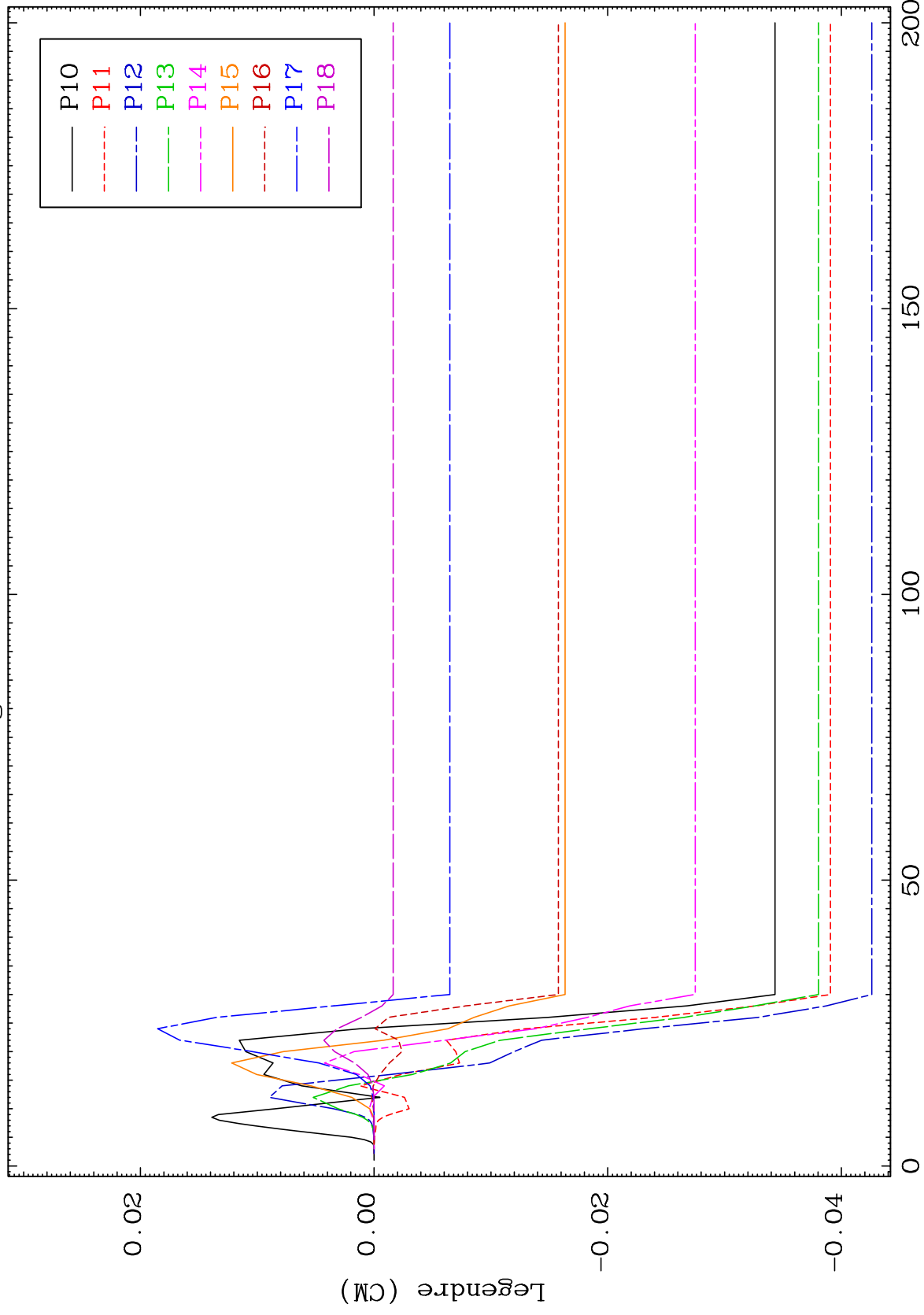
Incident Energy (MeV)

52

MAT 6731

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

67-Ho-167



53

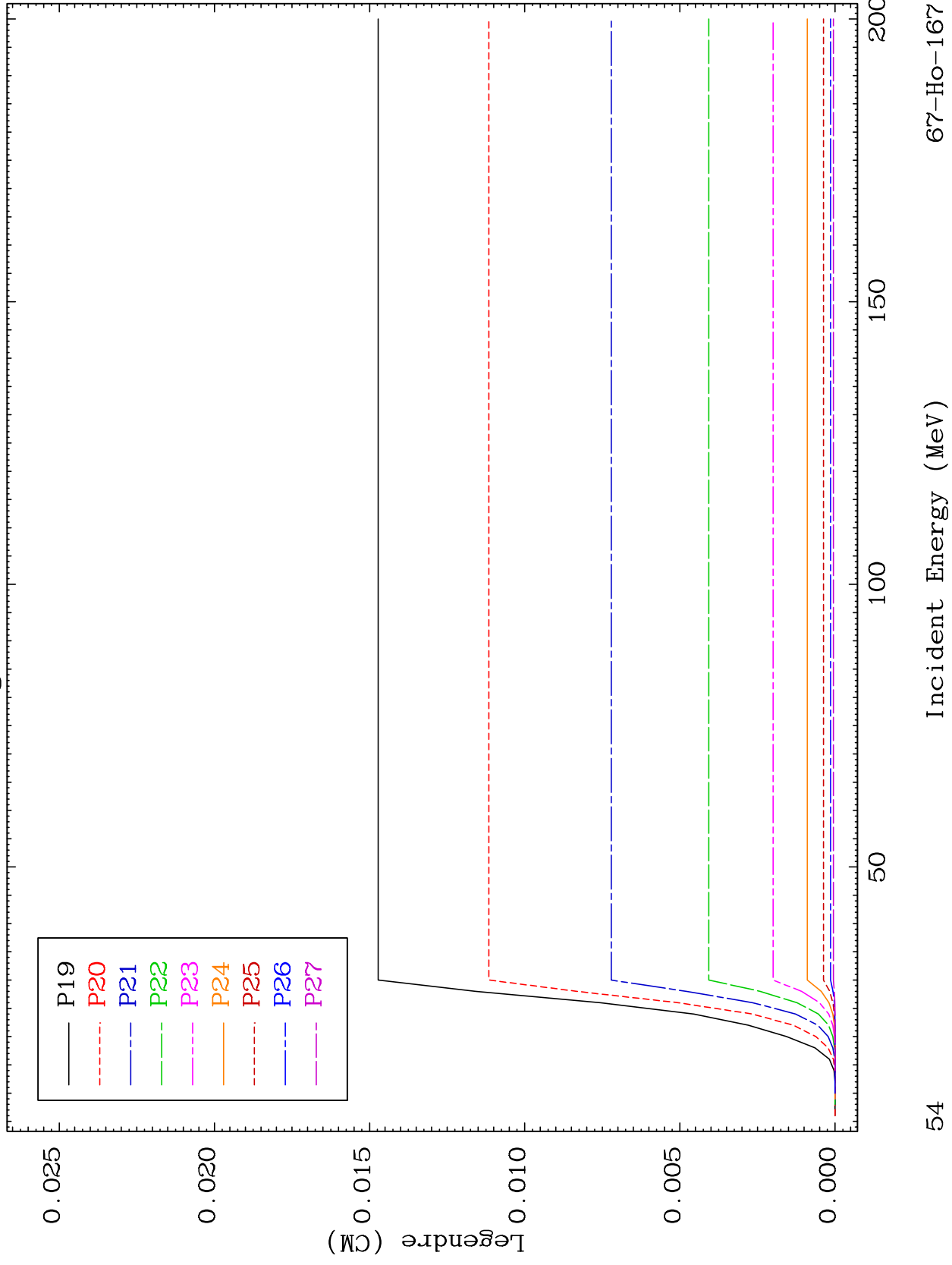
Incident Energy (MeV)

67-Ho-167

MAT 6731

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

67-Ho-167



54

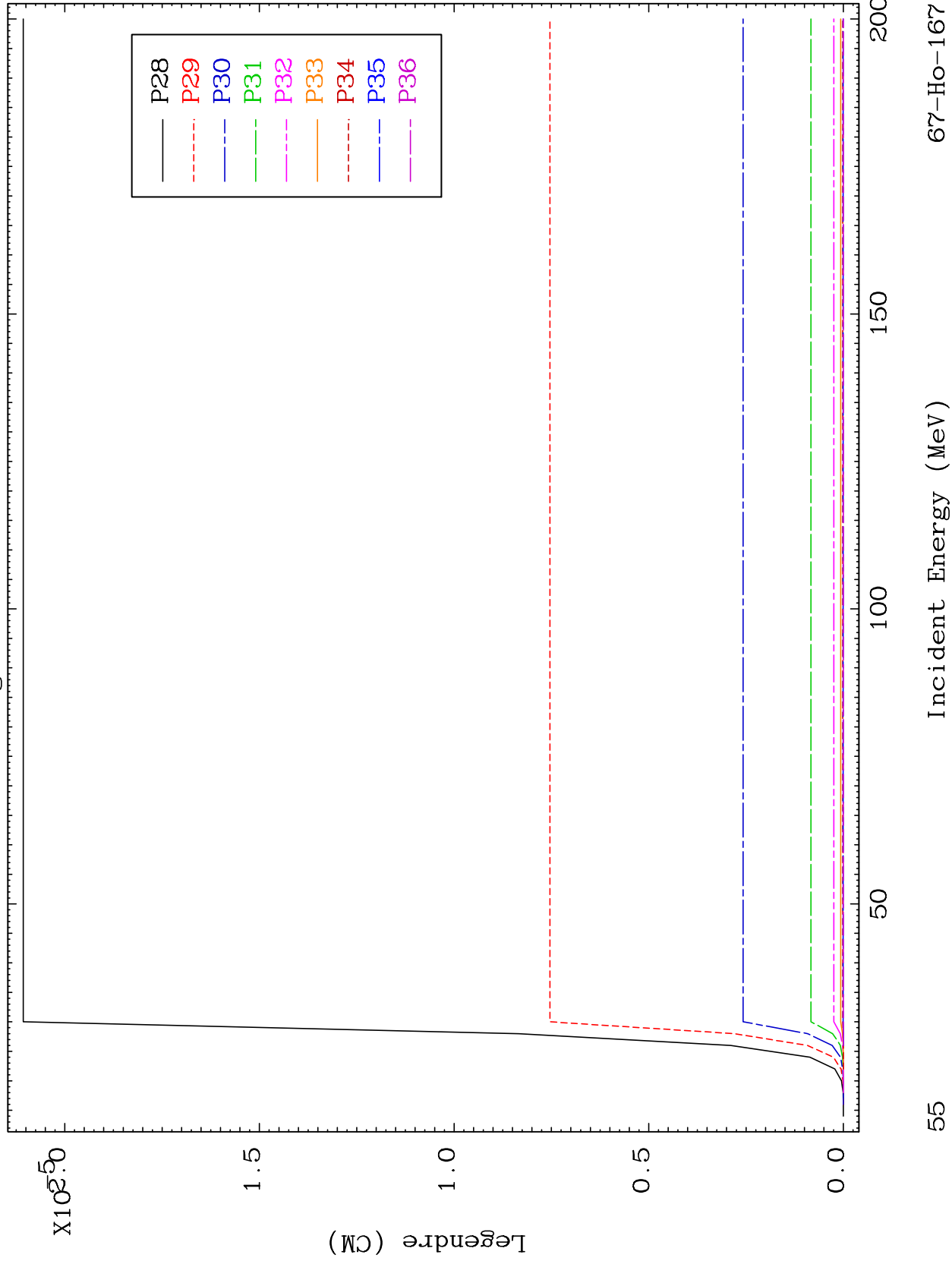
Incident Energy (MeV)

67-Ho-167

MAT 6731

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

67-Ho-167



55

Incident Energy (MeV)

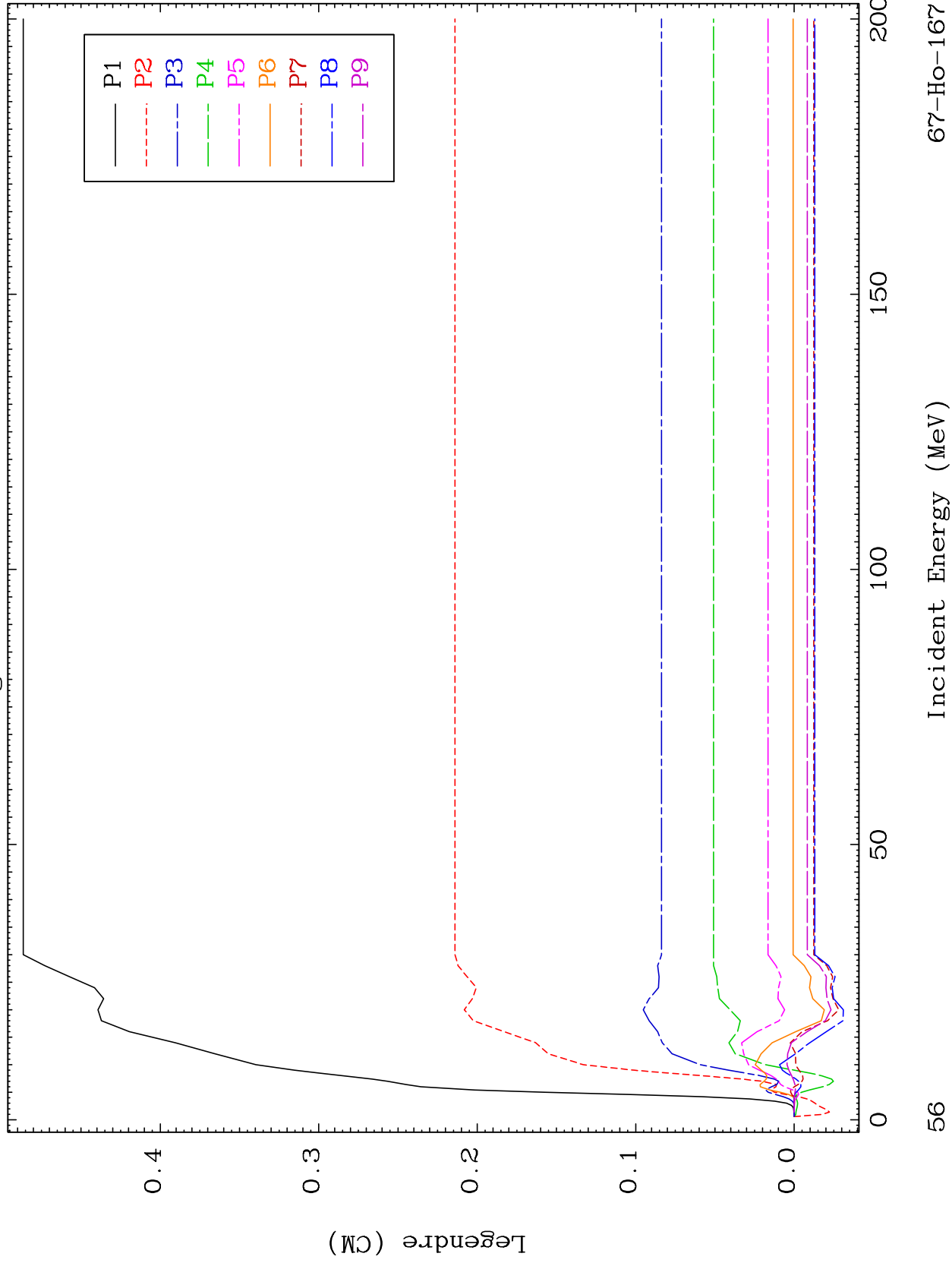
67-Ho-167



MAT 6731

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

67-Ho-167



67-Ho-167

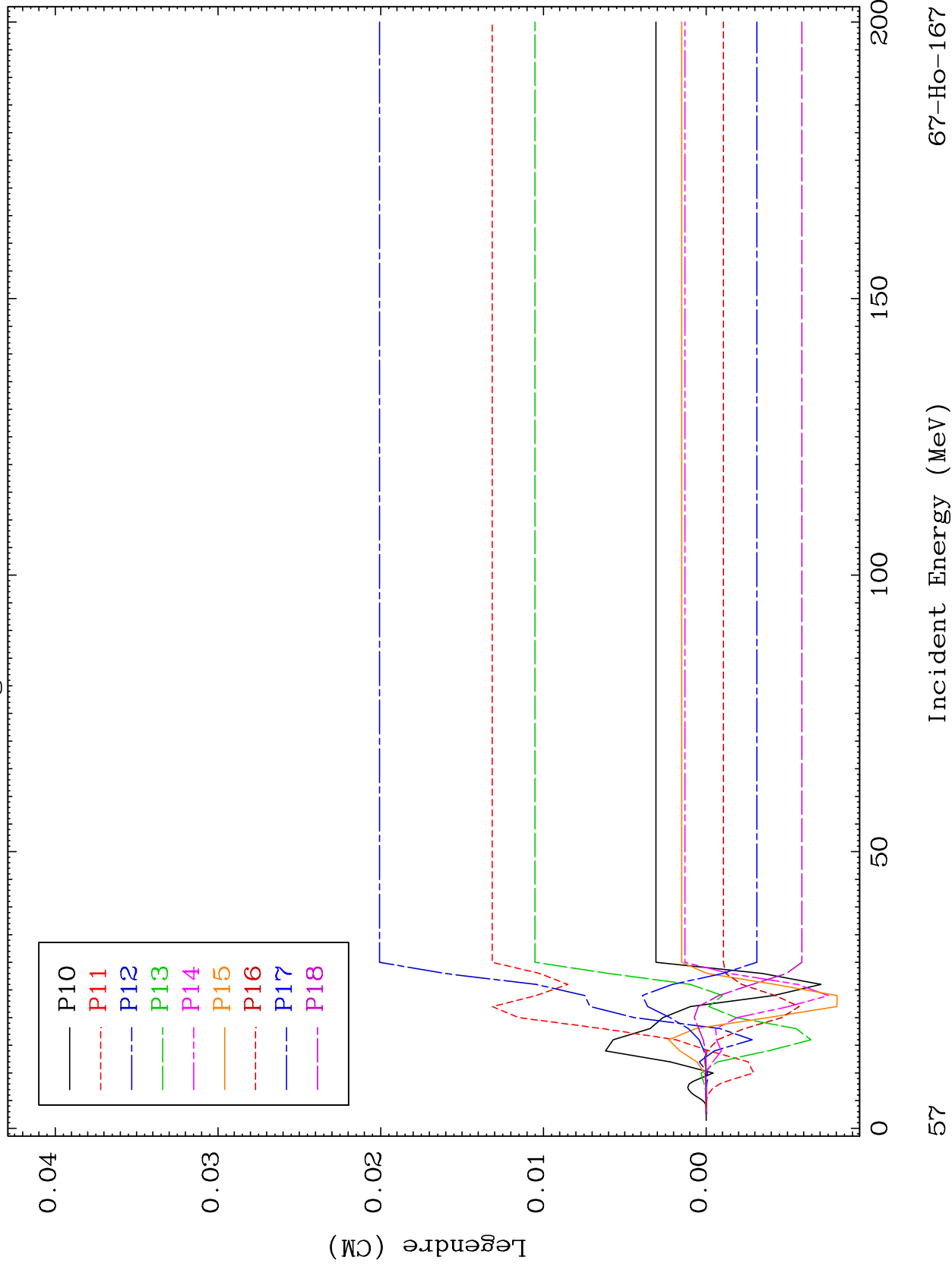
Incident Energy (MeV)

56

MAT 6731

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

67-Ho-167

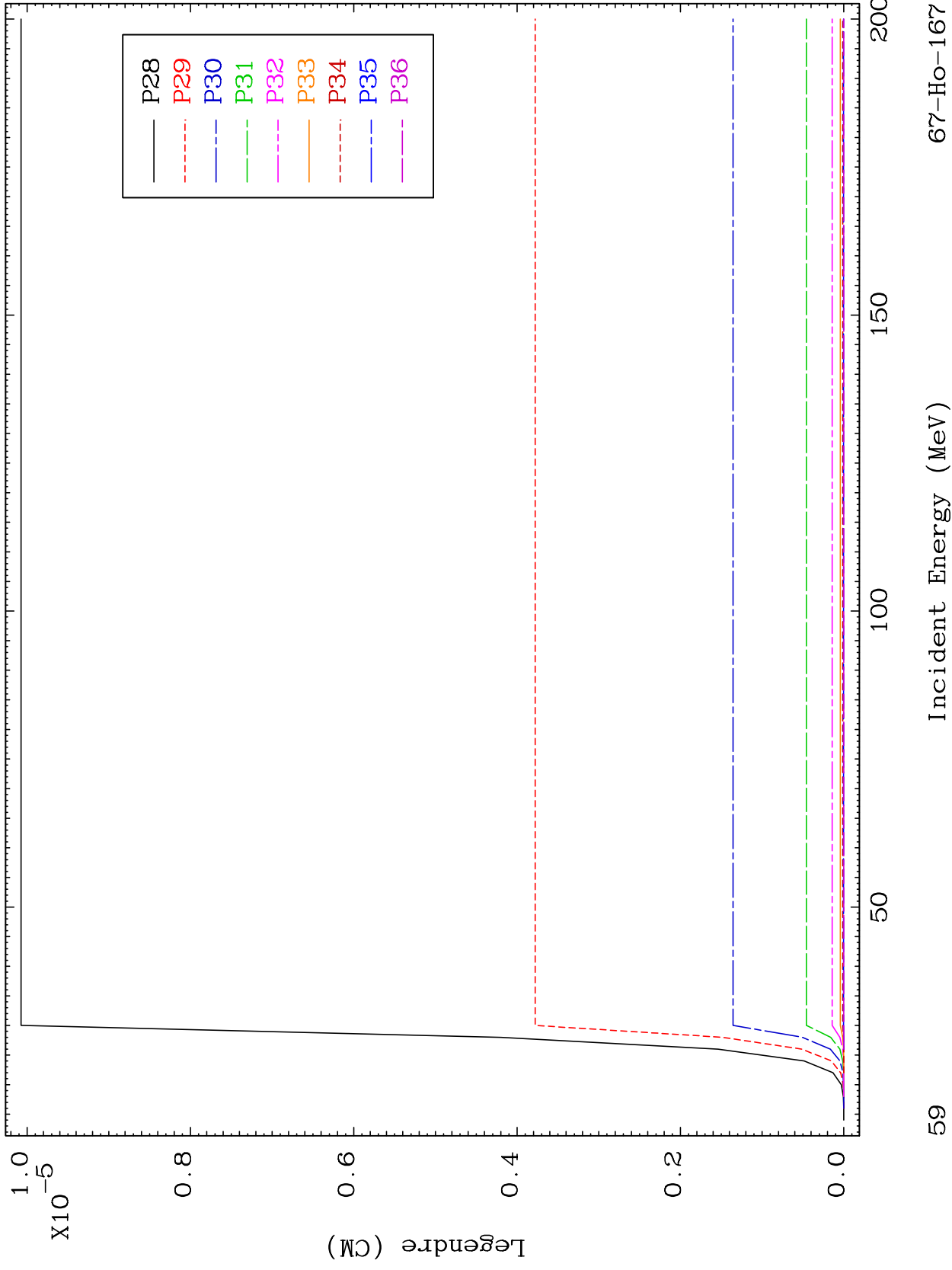




MAT 6731

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

67-Ho-167



59

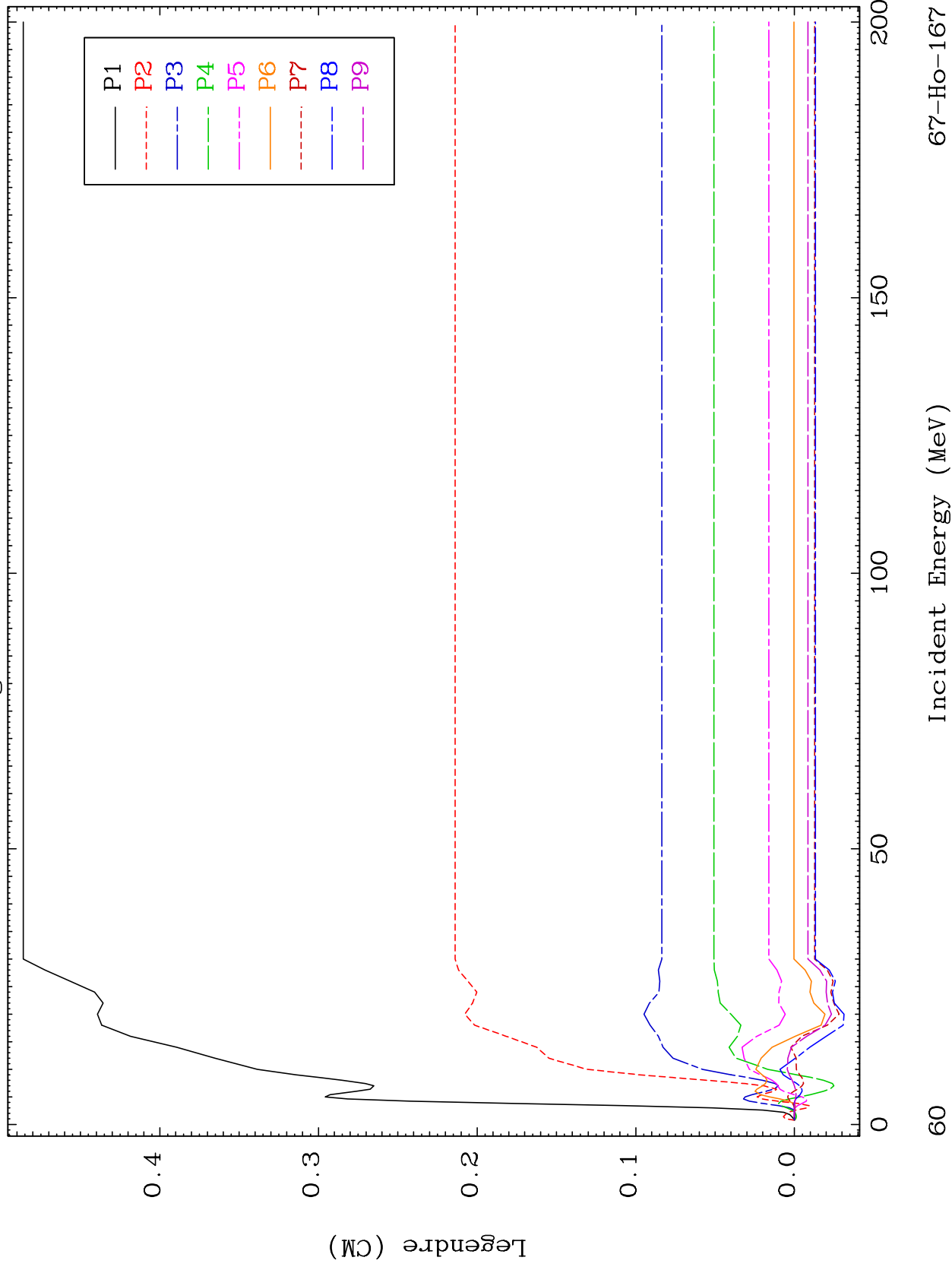
Incident Energy (MeV)

67-Ho-167

MAT 6731

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

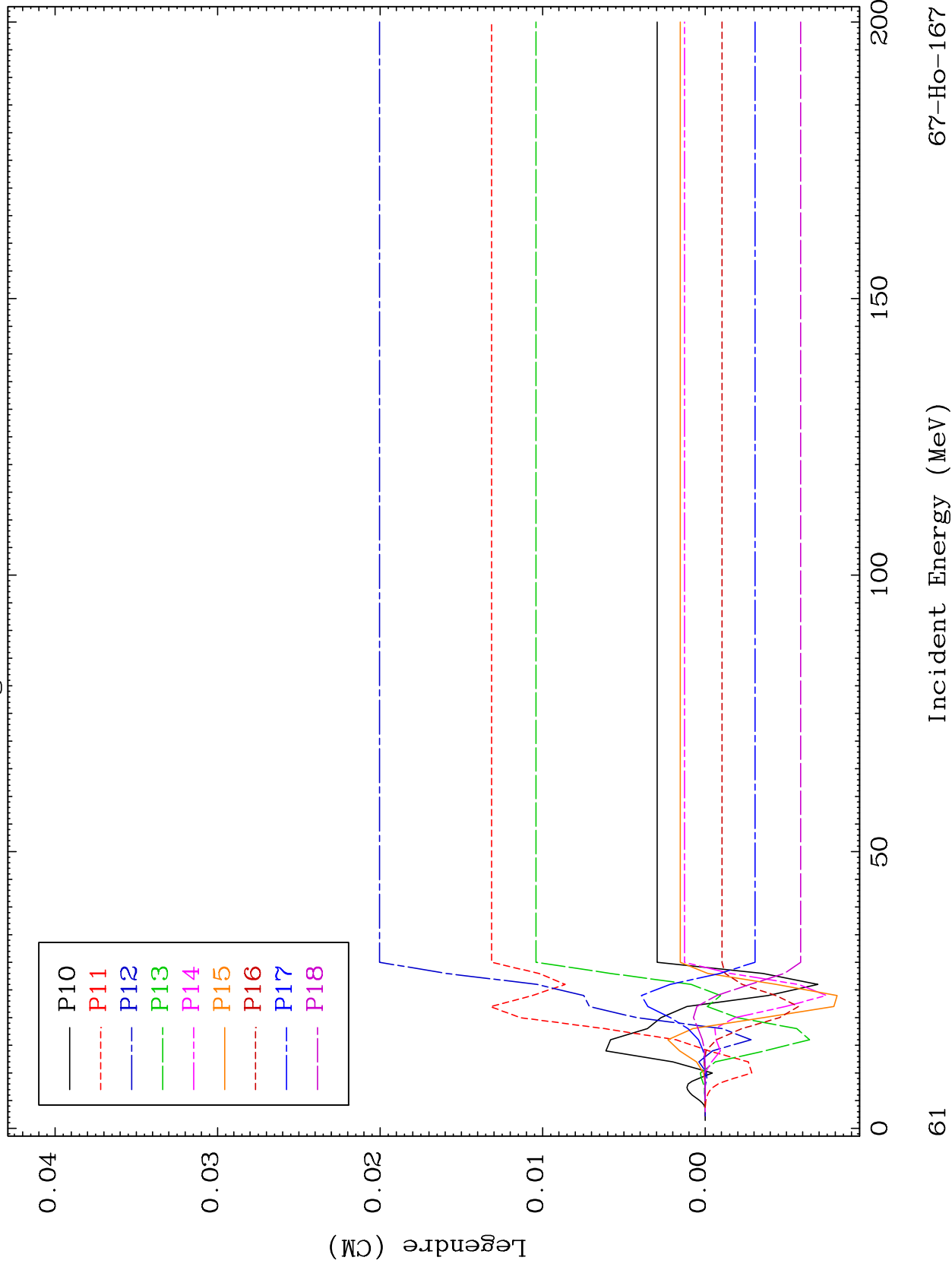
67-Ho-167



MAT 6731

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

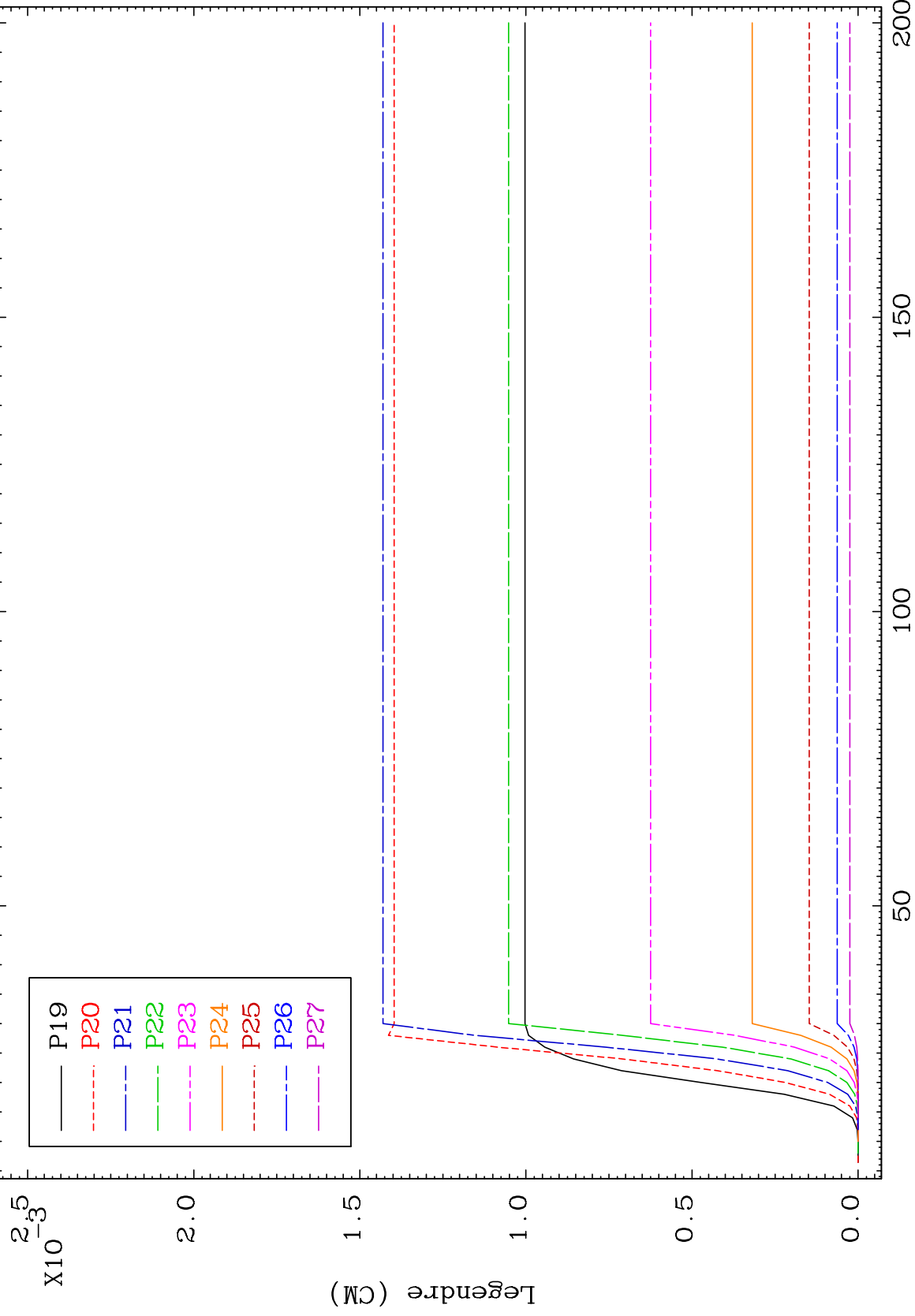
67-Ho-167



MAT 6731

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

67-Ho-167



62

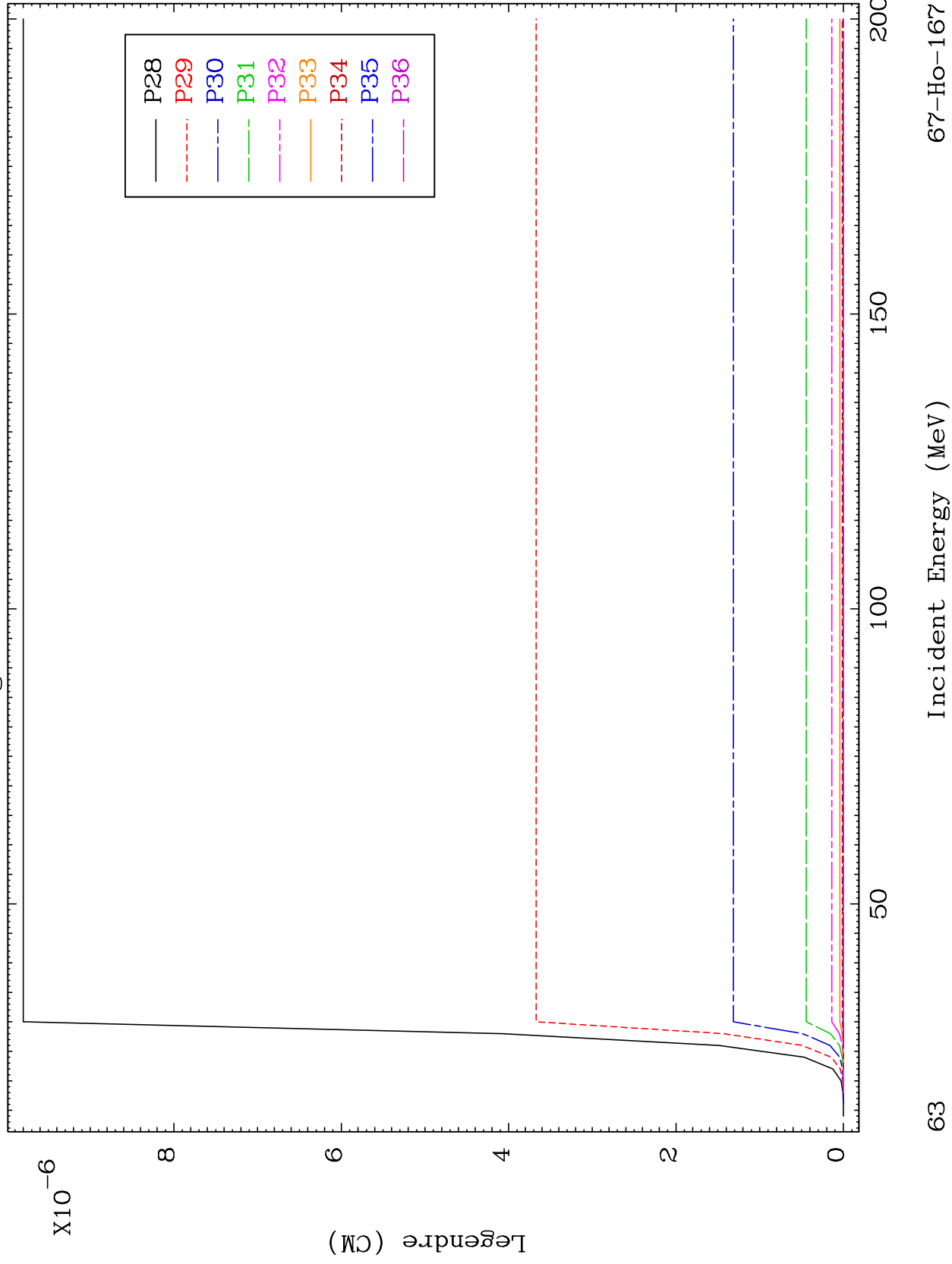
Incident Energy (MeV)

67-Ho-167

MAT 6731

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

67-Ho-167

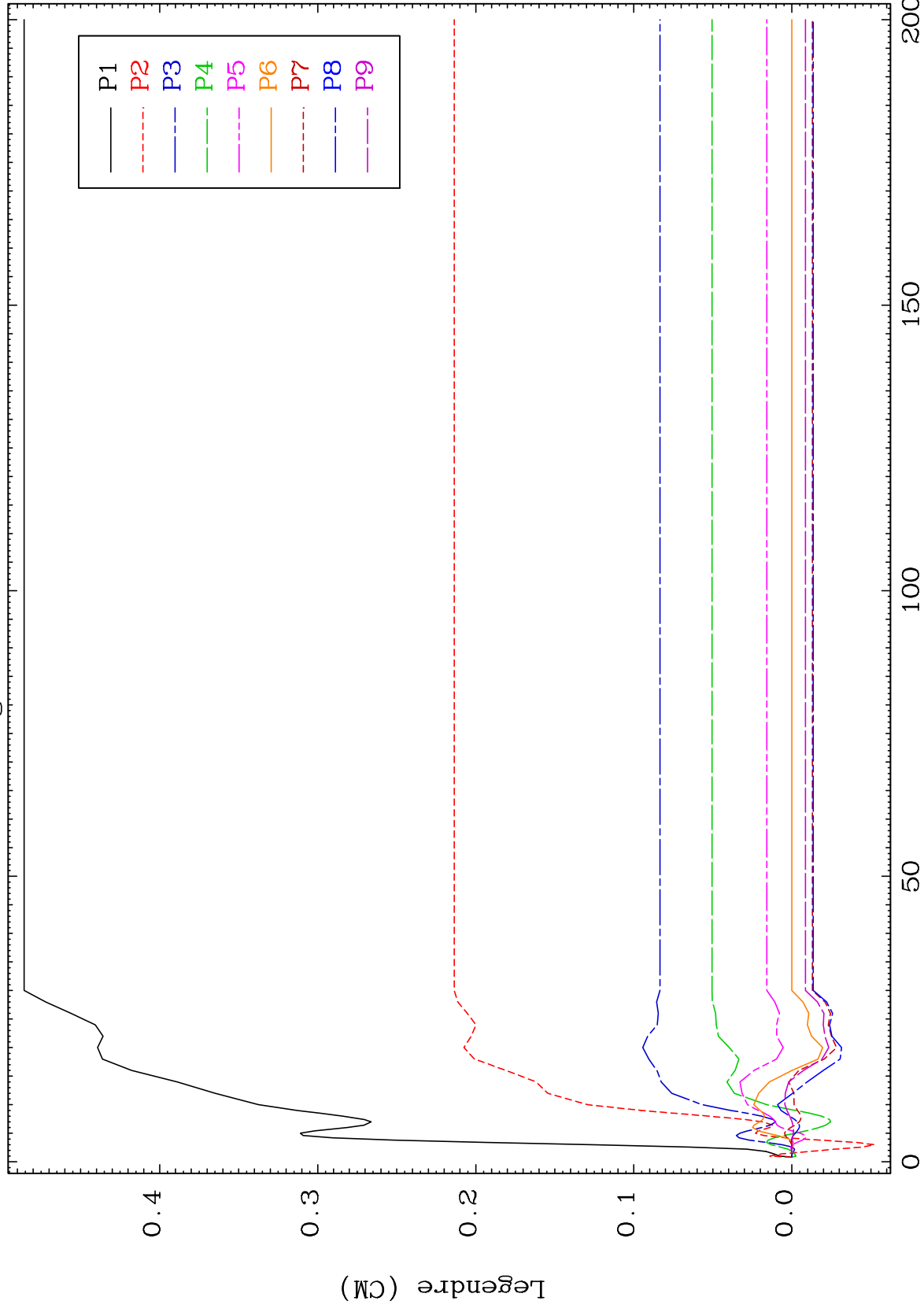




MAT 6731

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

67-Ho-167



64

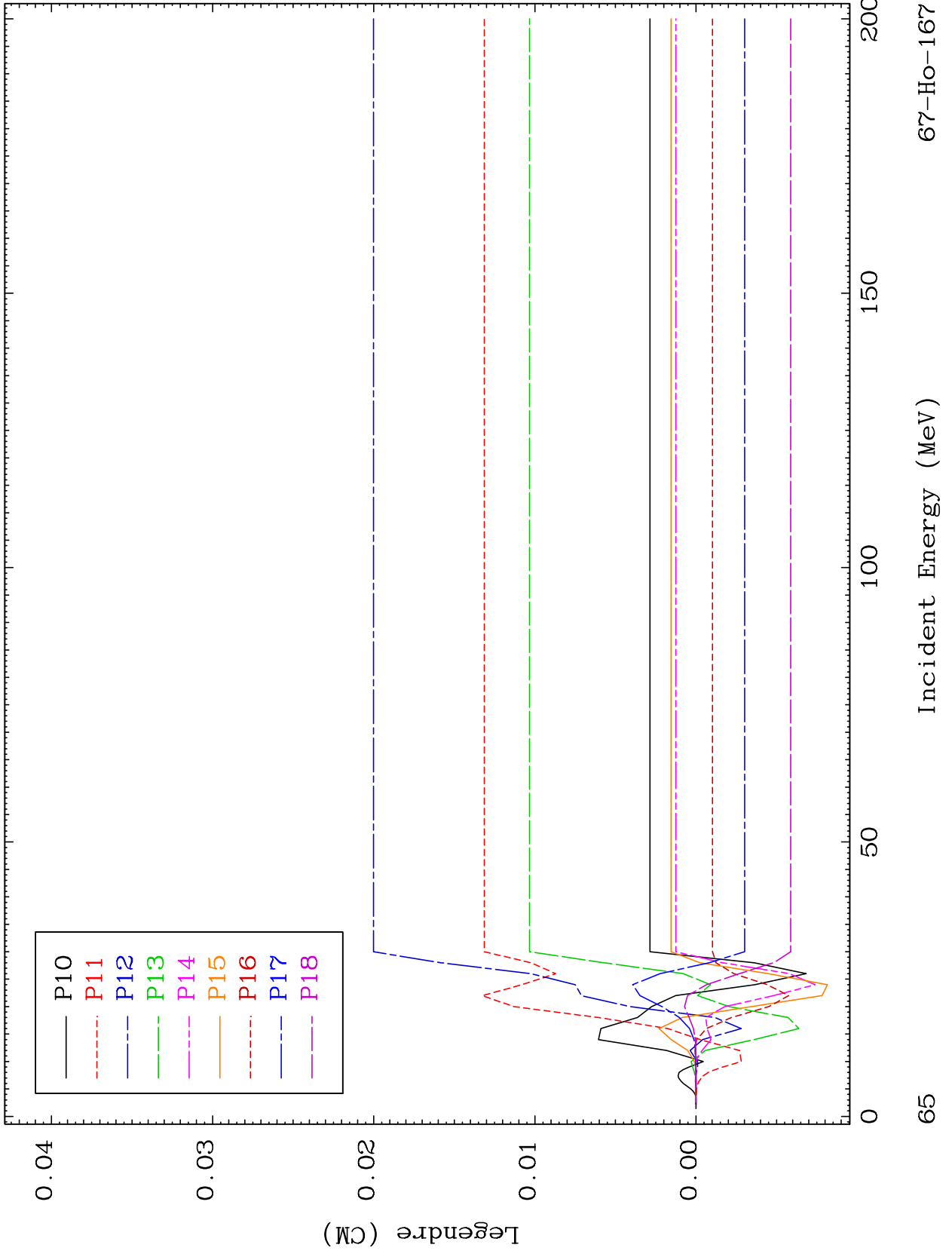
Incident Energy (MeV)

67-Ho-167

MAT 6731

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

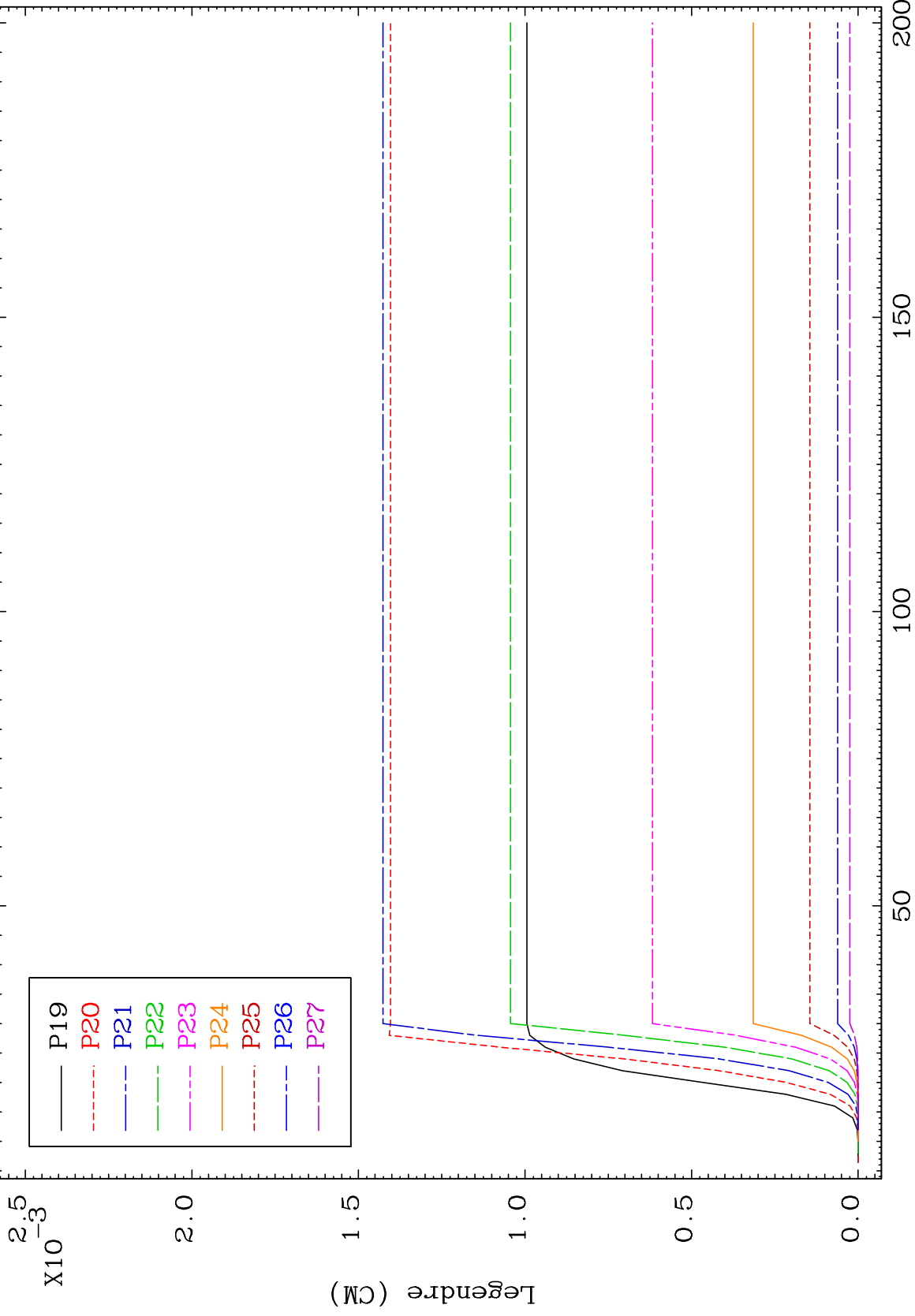
67-Ho-167



67-Ho-167

Incident Energy (MeV)

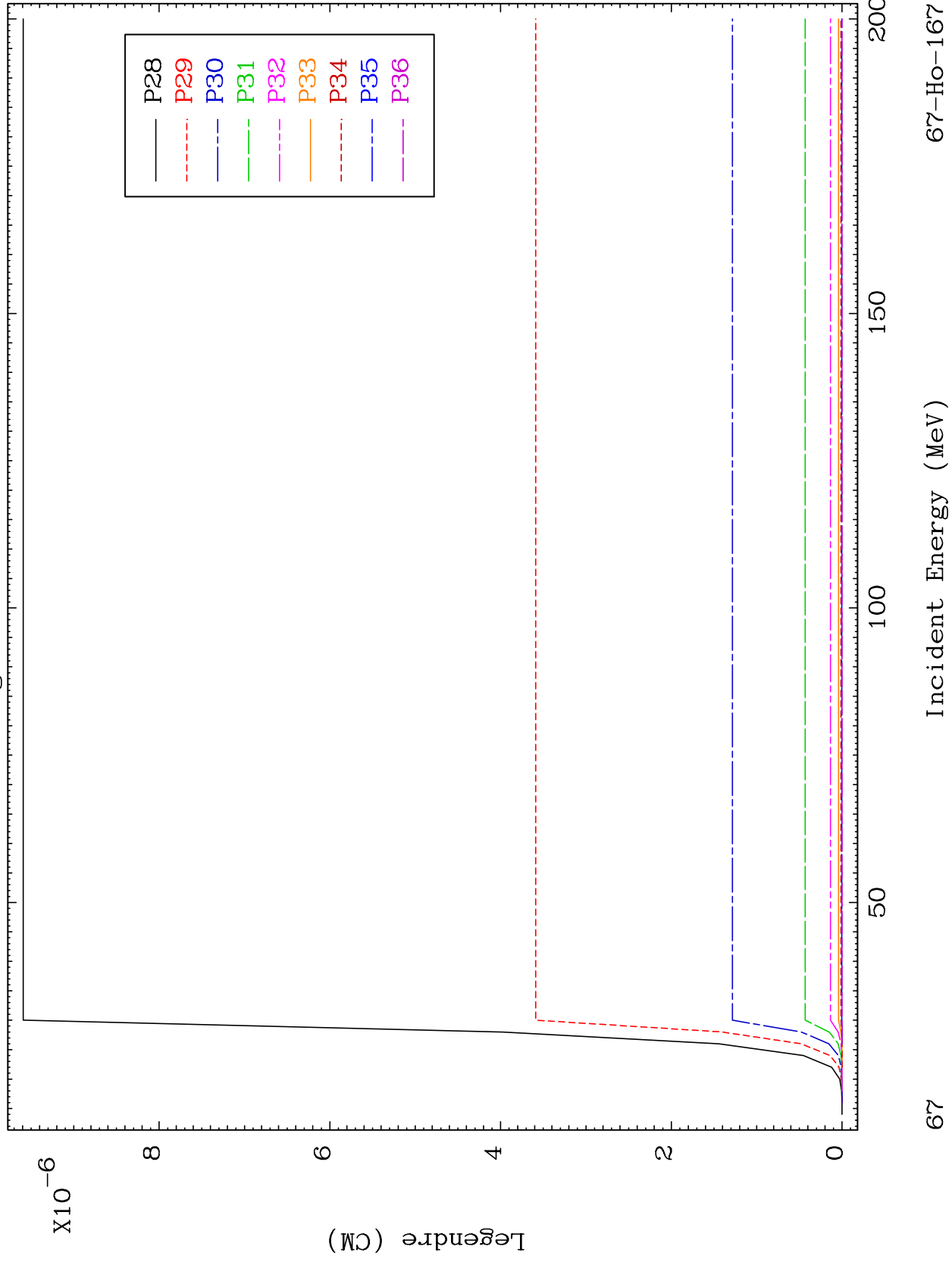
65



MAT 6731

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

67-Ho-167



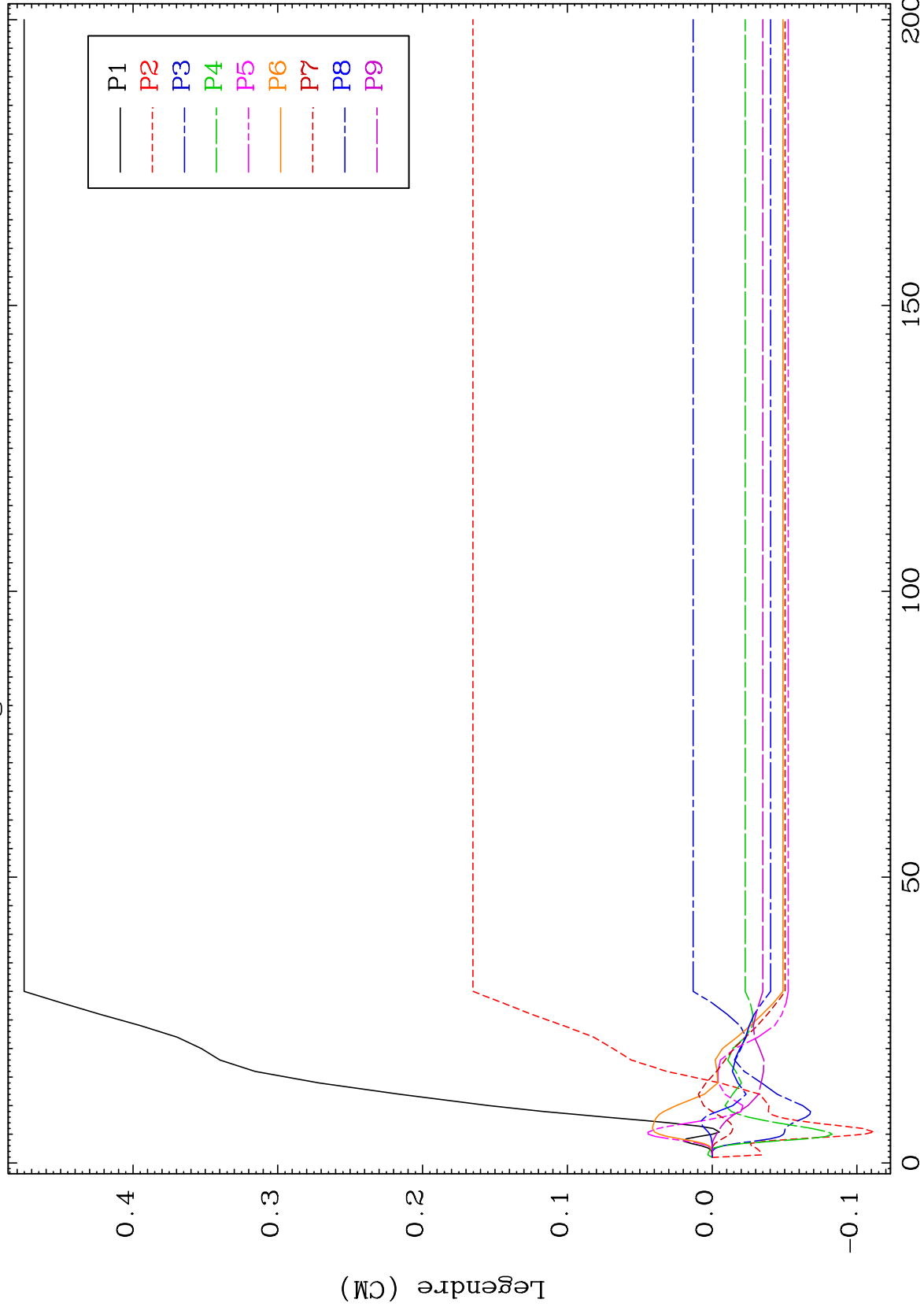
67

67-Ho-167

MAT 6731

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

67-Ho-167



67-Ho-167

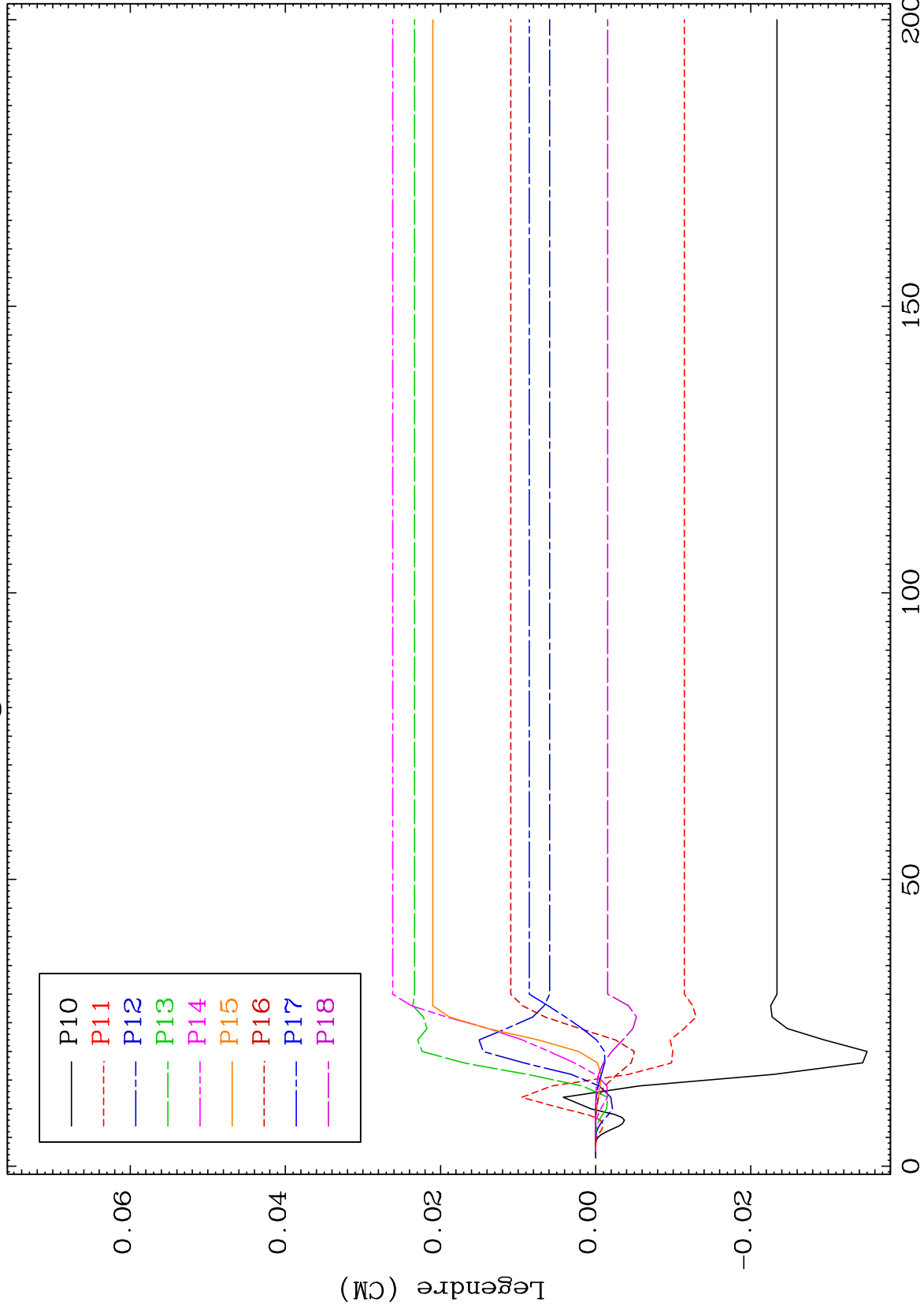
Incident Energy (MeV)

68

MAT 6731

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

67-Ho-167



69

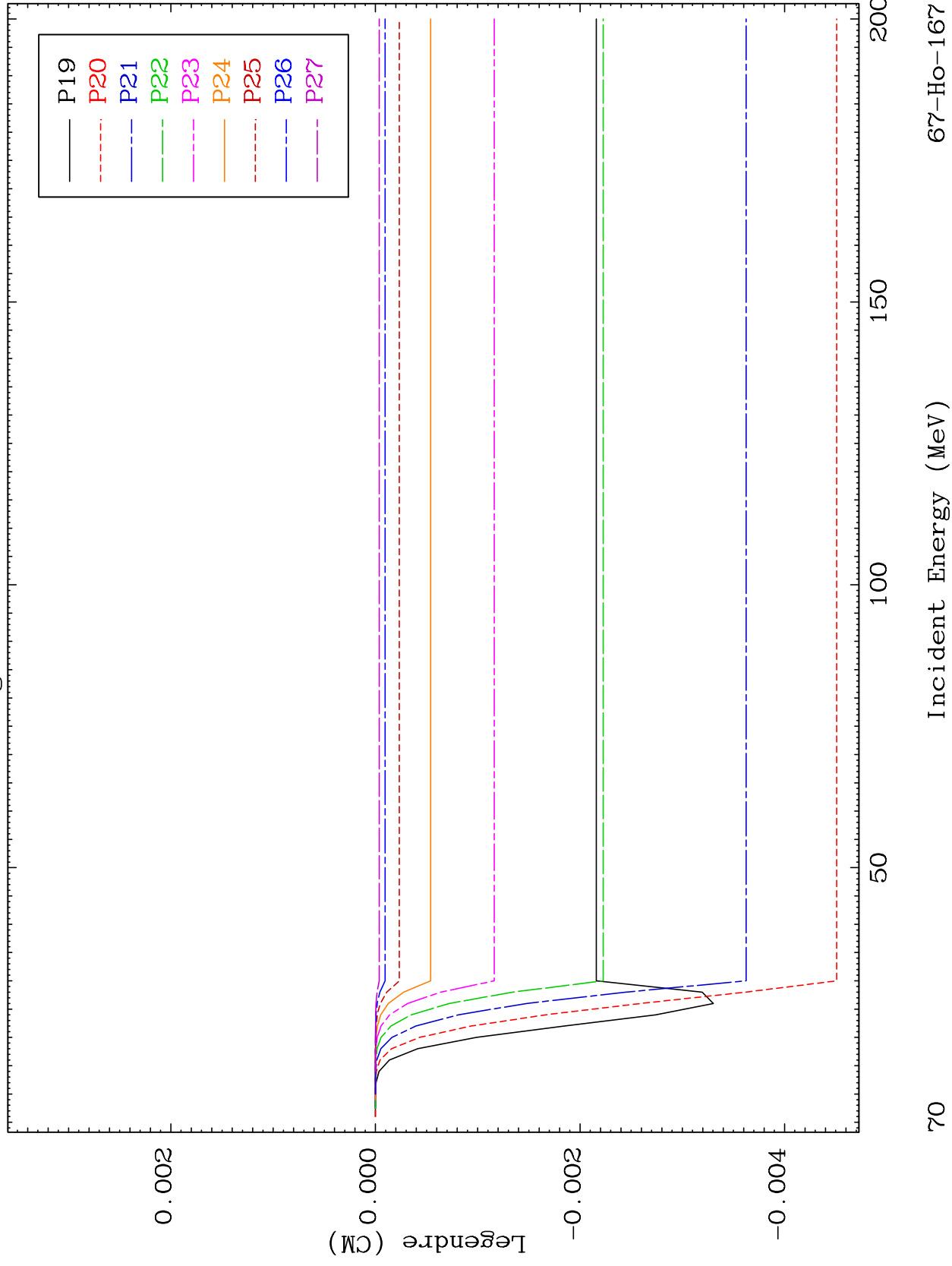
Incident Energy (MeV)

67-Ho-167

MAT 6731

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

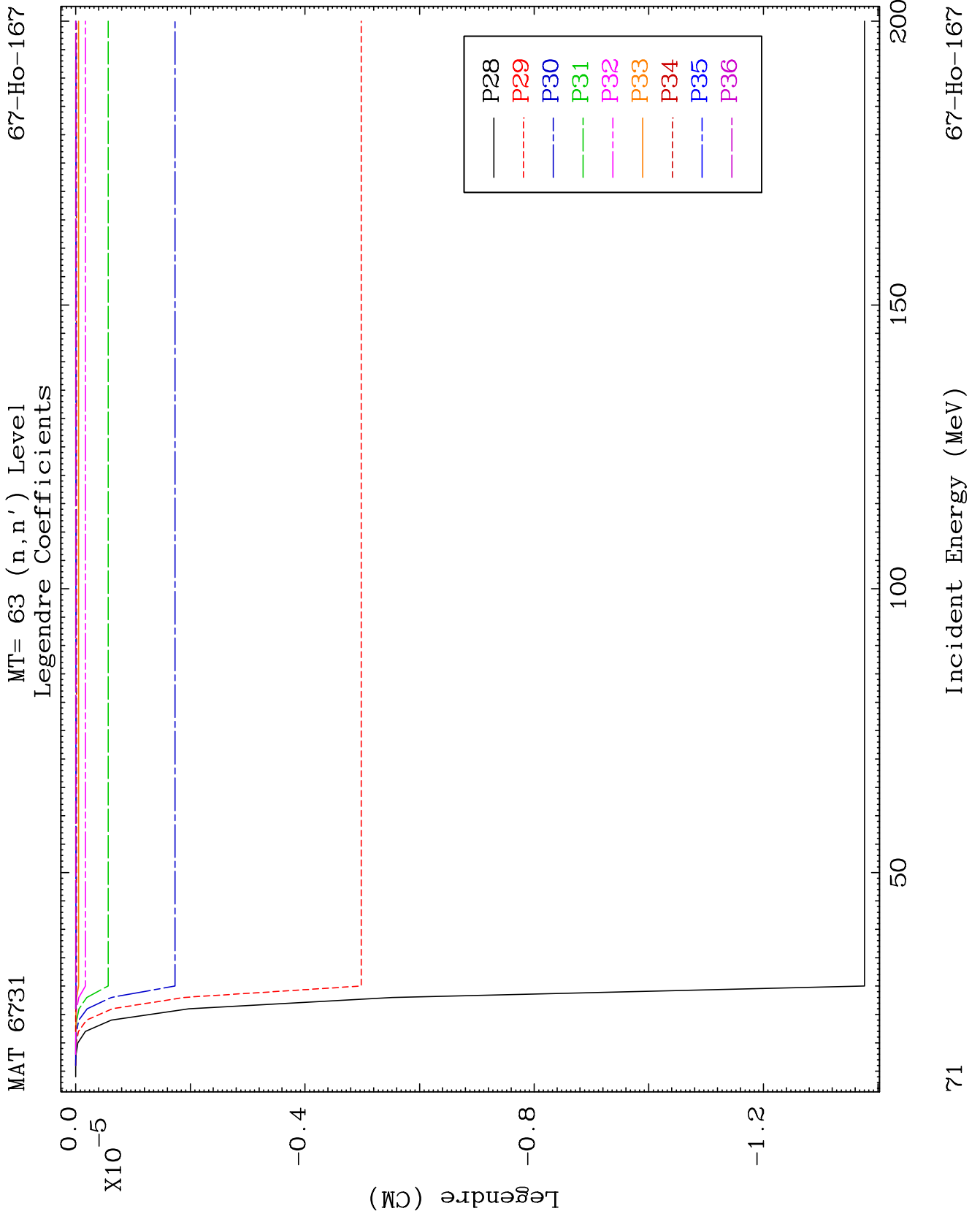
67-Ho-167



70

Incident Energy (MeV)

67-Ho-167

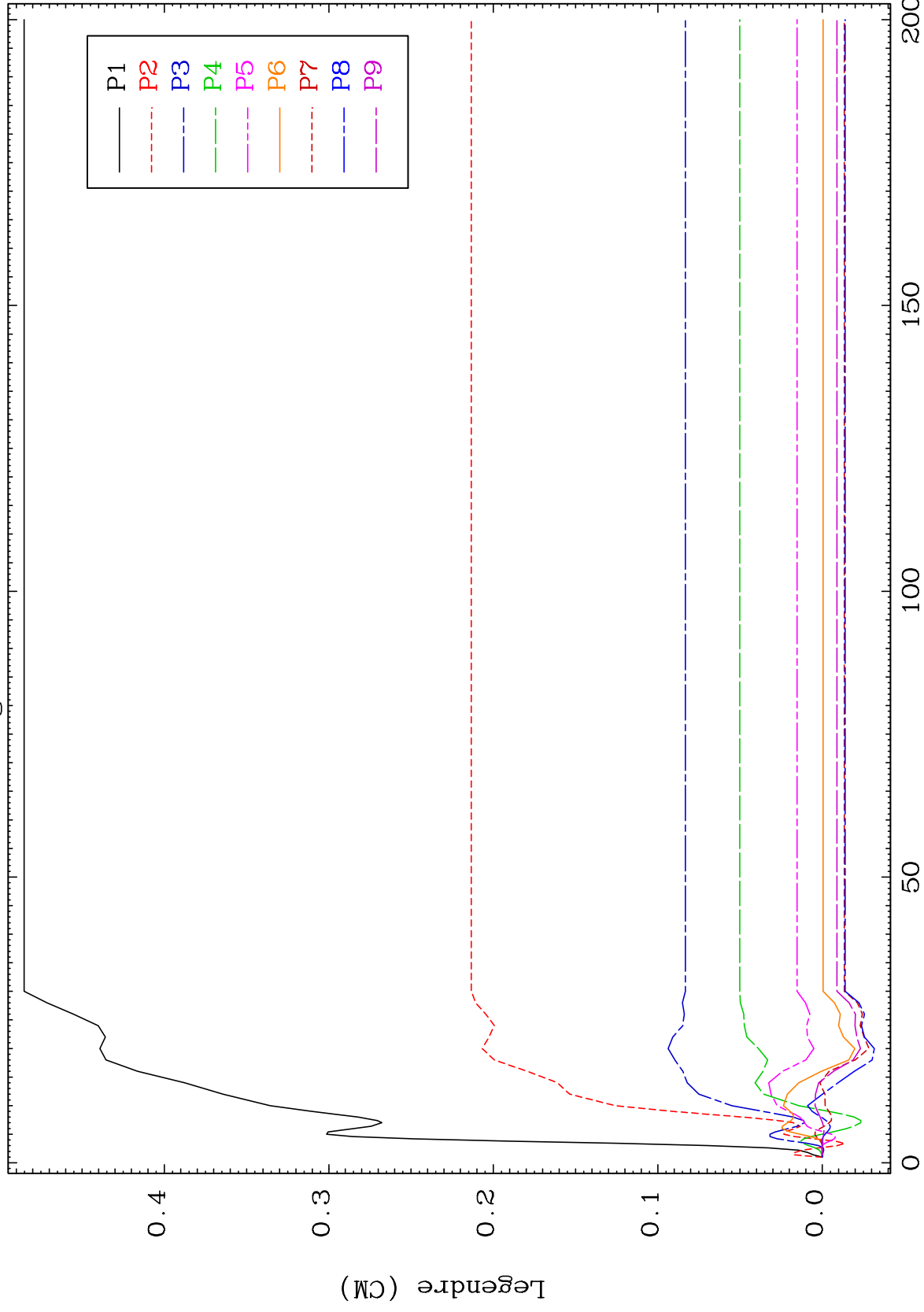




MAT 6731

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

67-Ho-167



72

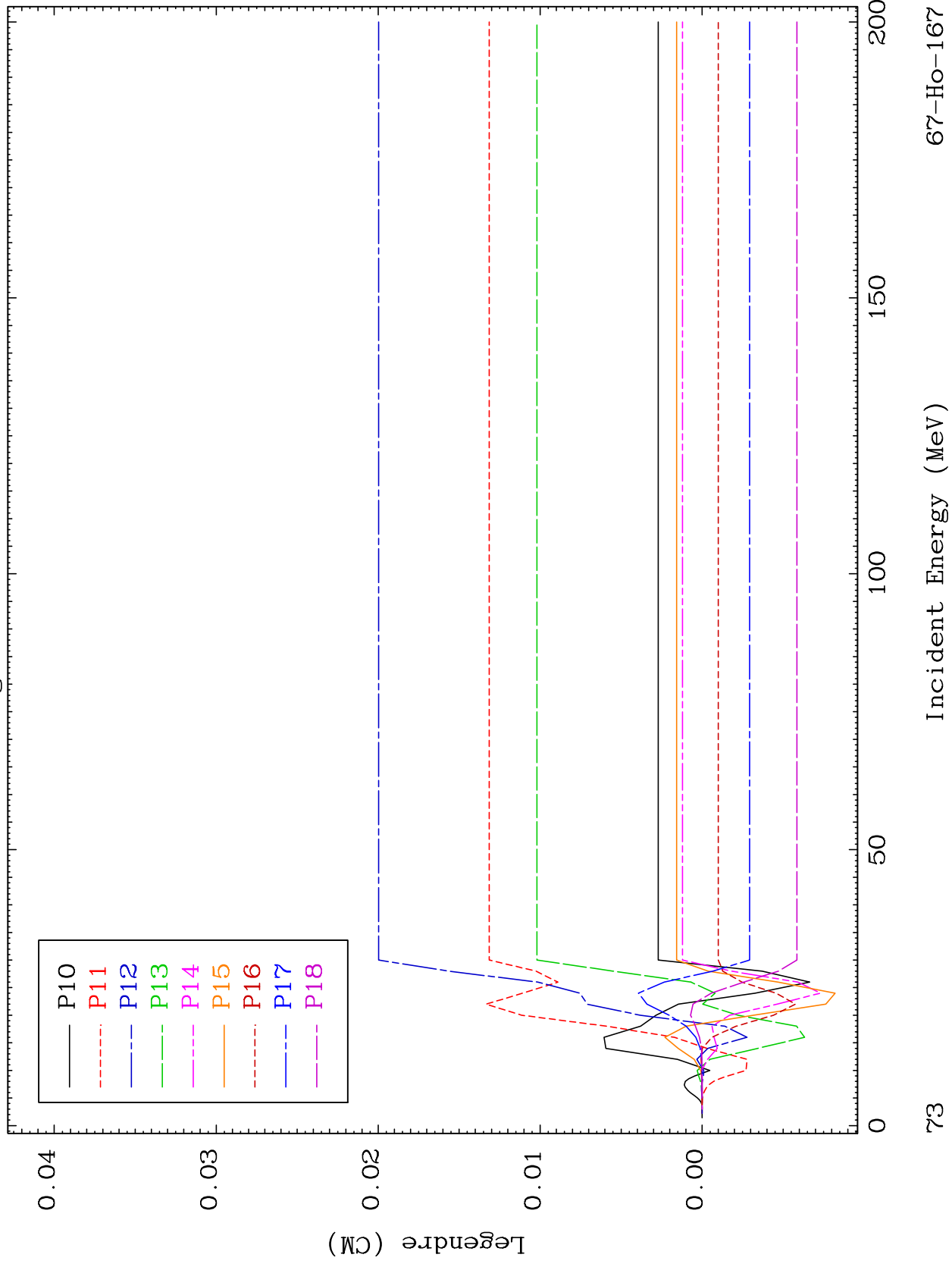
Incident Energy (MeV)

67-Ho-167

MAT 6731

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

67-Ho-167



73

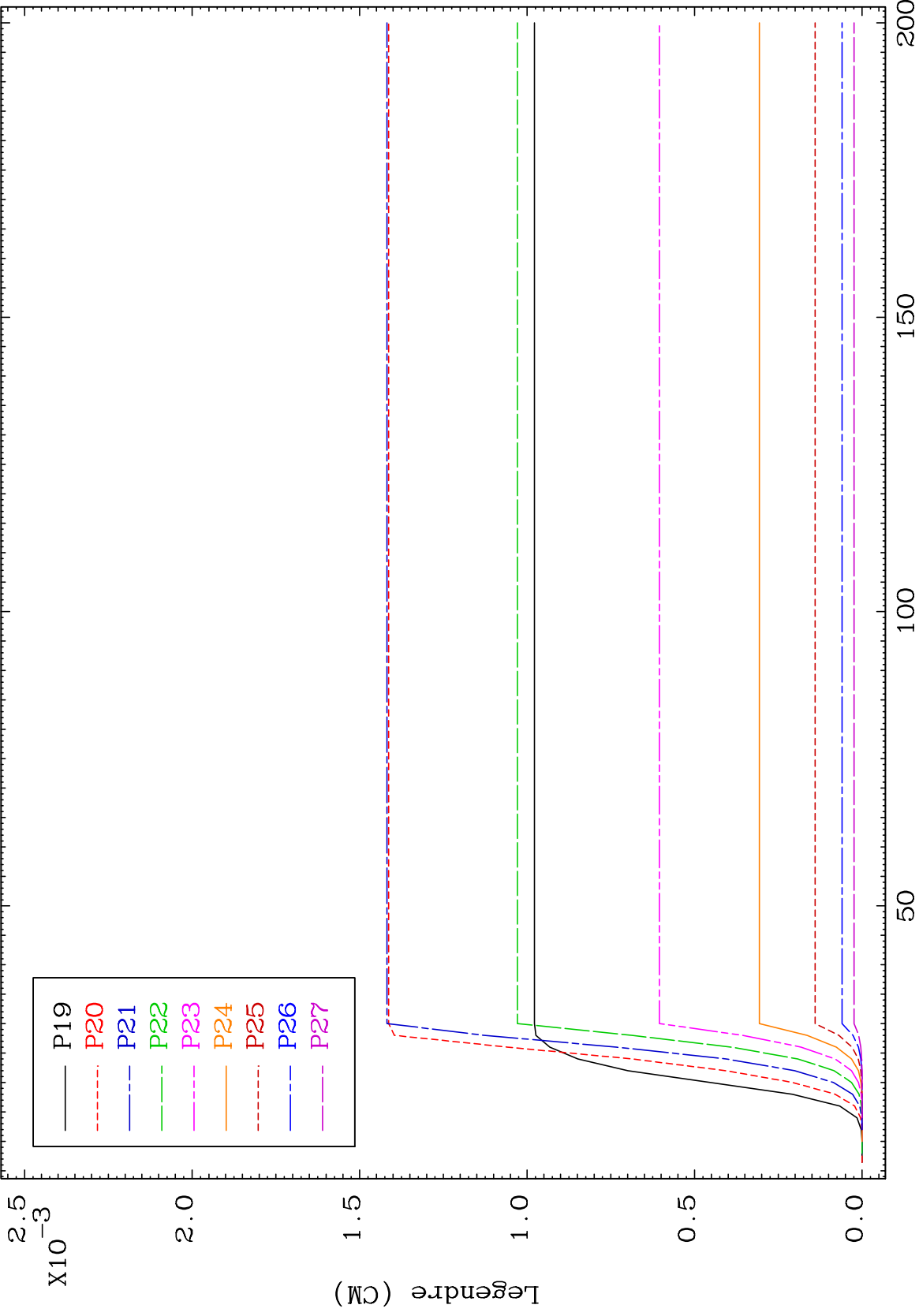
Incident Energy (MeV)

67-Ho-167

MAT 6731

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

67-Ho-167



74

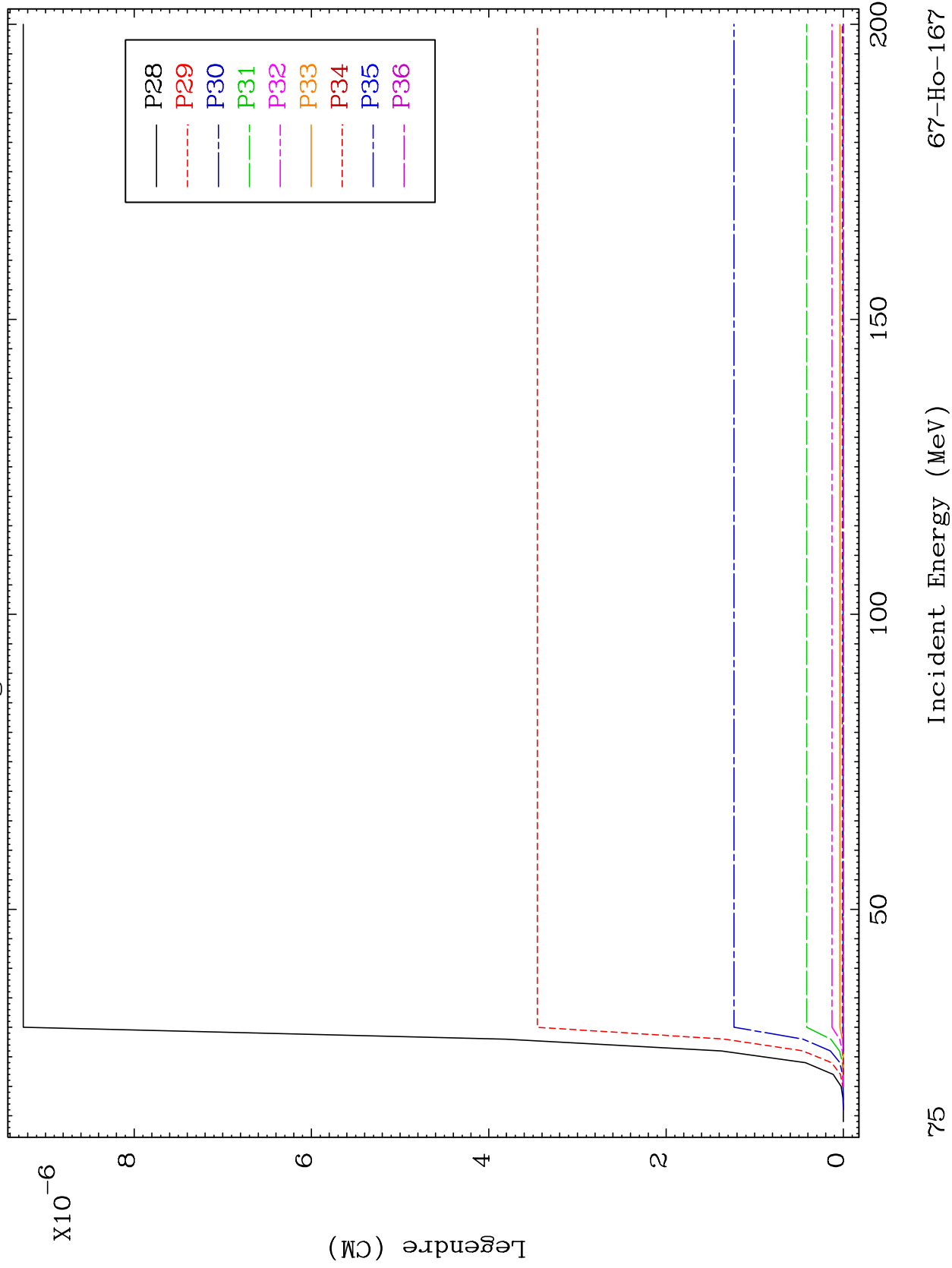
Incident Energy (MeV)

67-Ho-167

MAT 6731

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

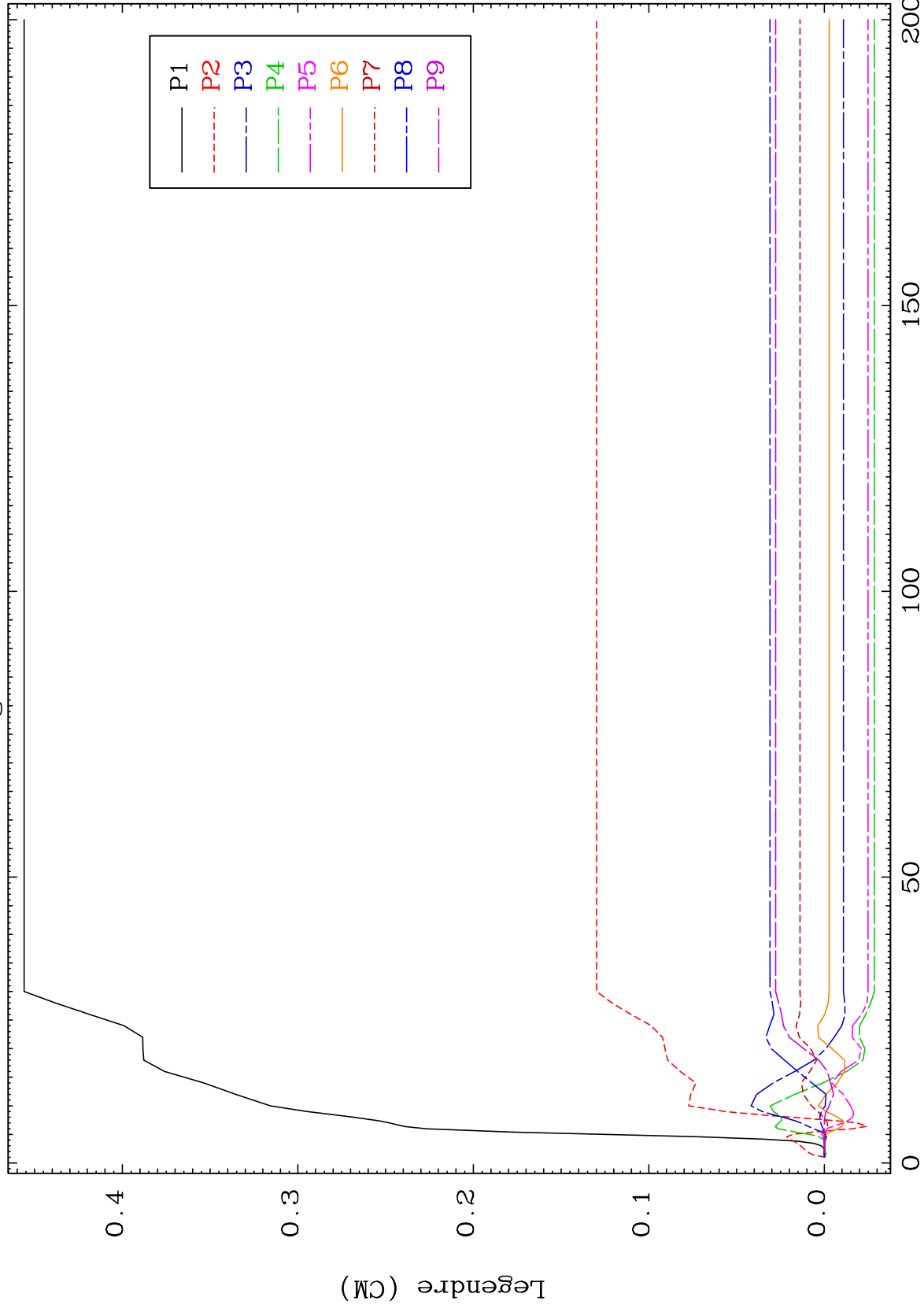
67-Ho-167



MAT 6731

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

67-Ho-167



76

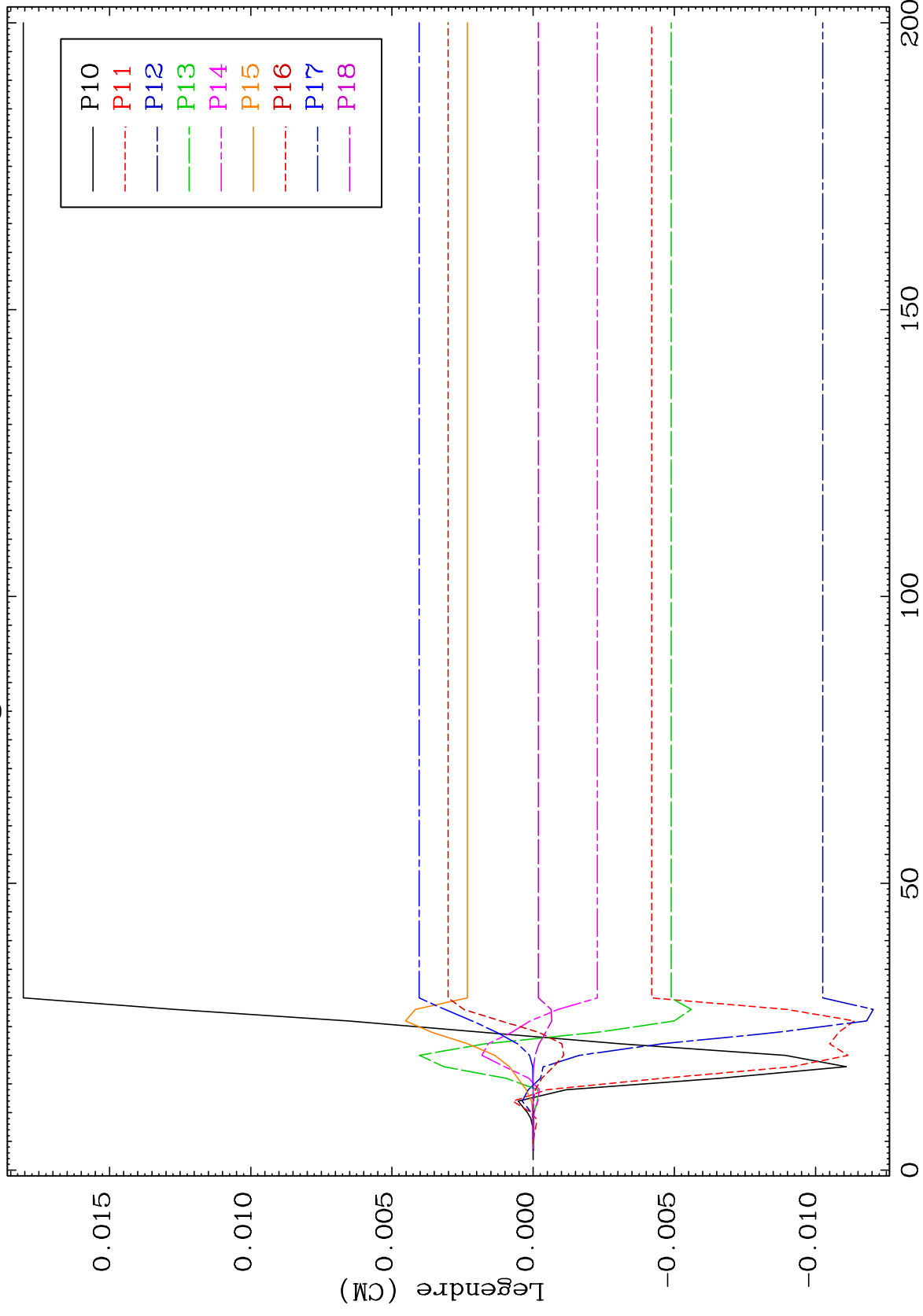
Incident Energy (MeV)

67-Ho-167

MAT 6731

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

67-Ho-167



77

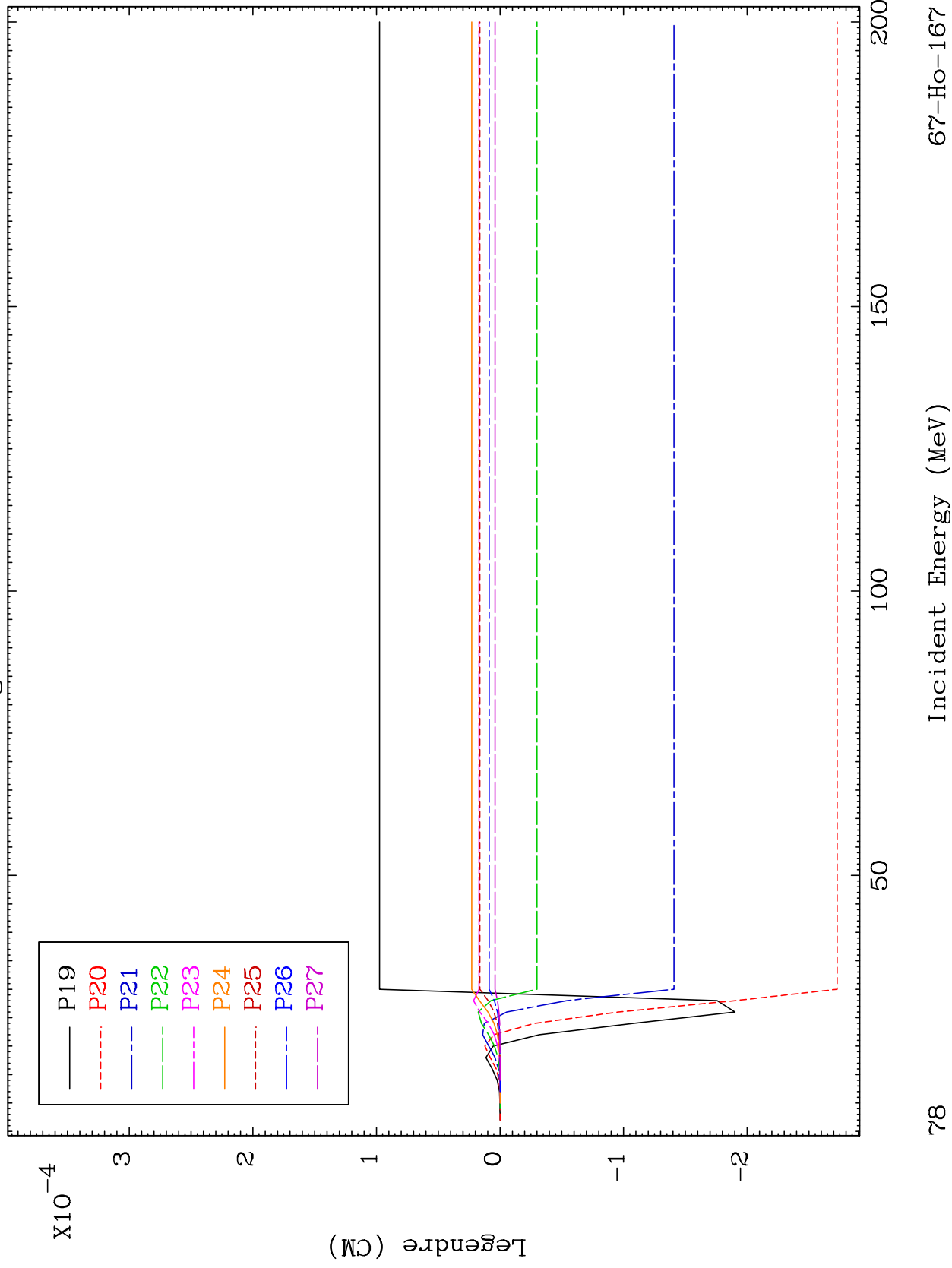
Incident Energy (MeV)

67-Ho-167

MAT 6731

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

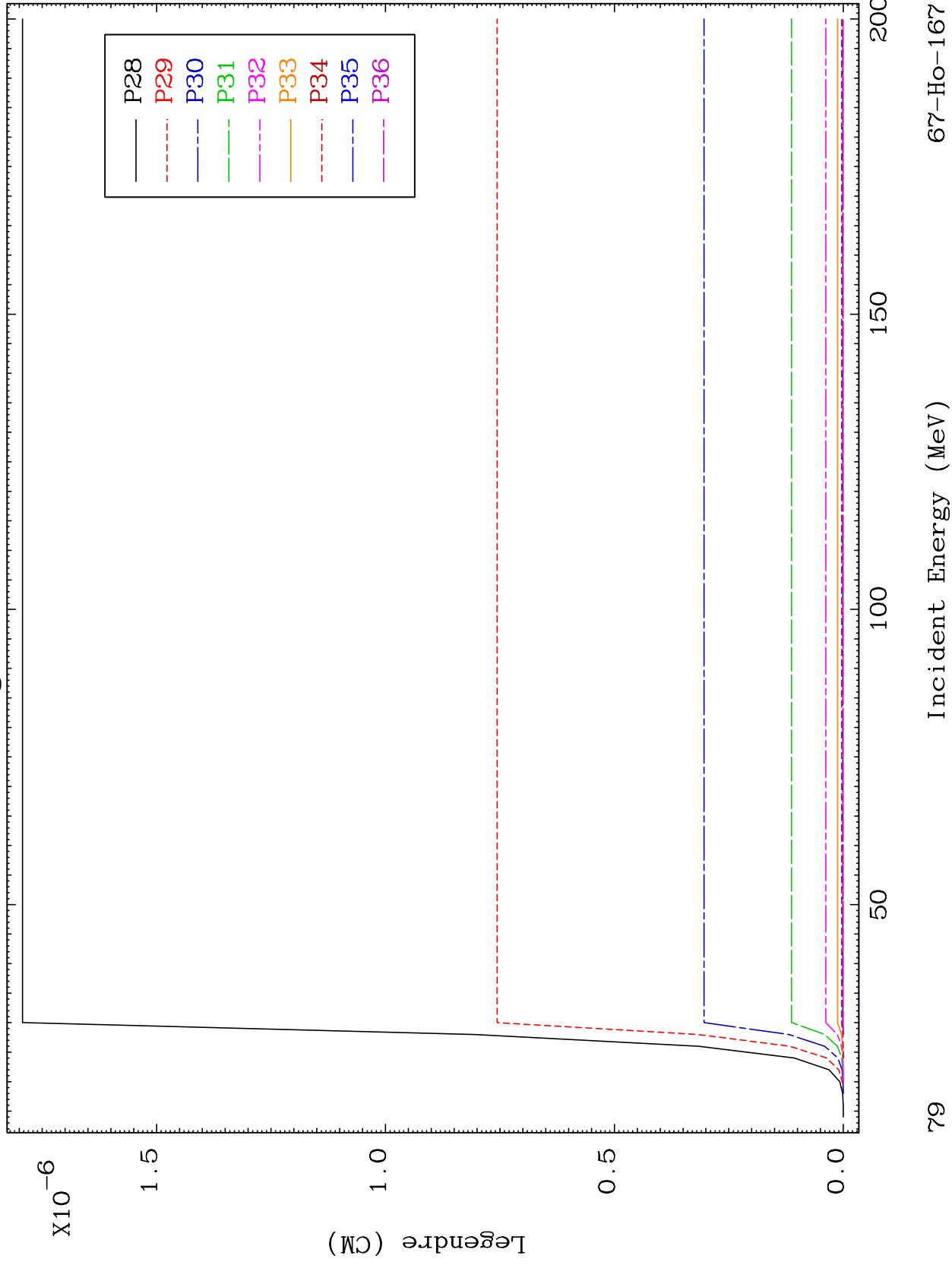
67-Ho-167



MAT 6731

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

67-Ho-167



67-Ho-167

Incident Energy (MeV)

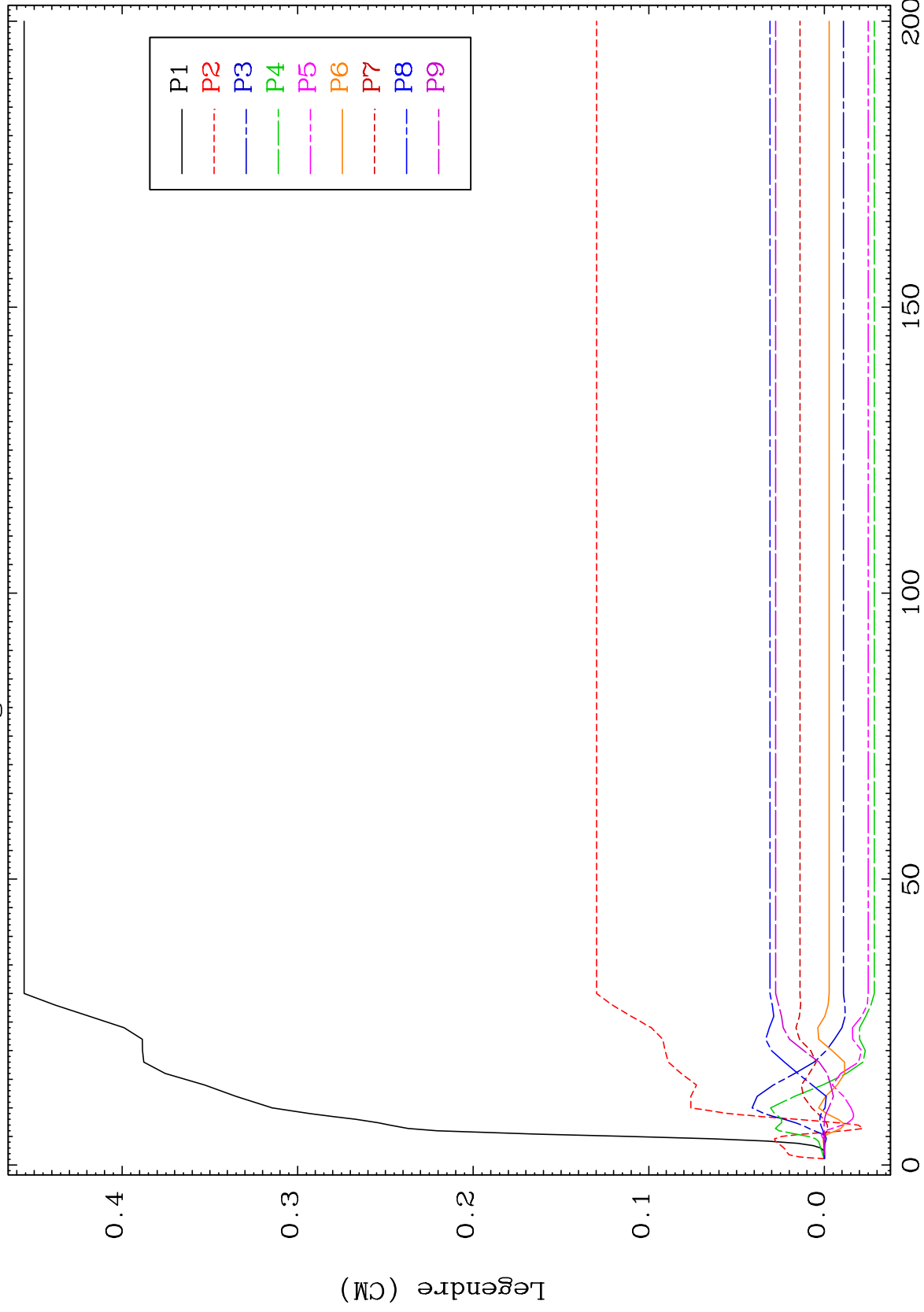
79



MAT 6731

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

67-Ho-167



67-Ho-167

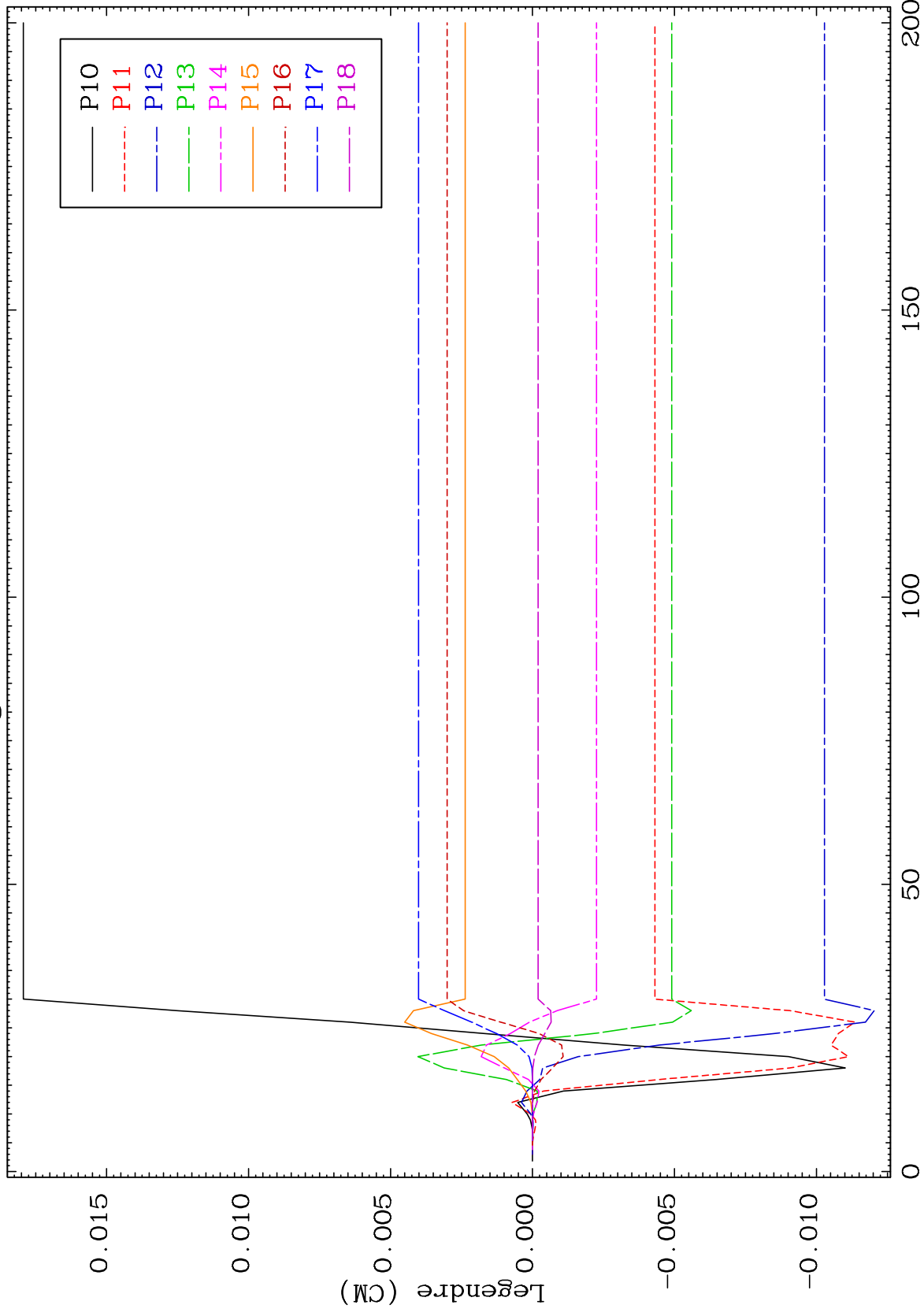
Incident Energy (MeV)

80

MAT 6731

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

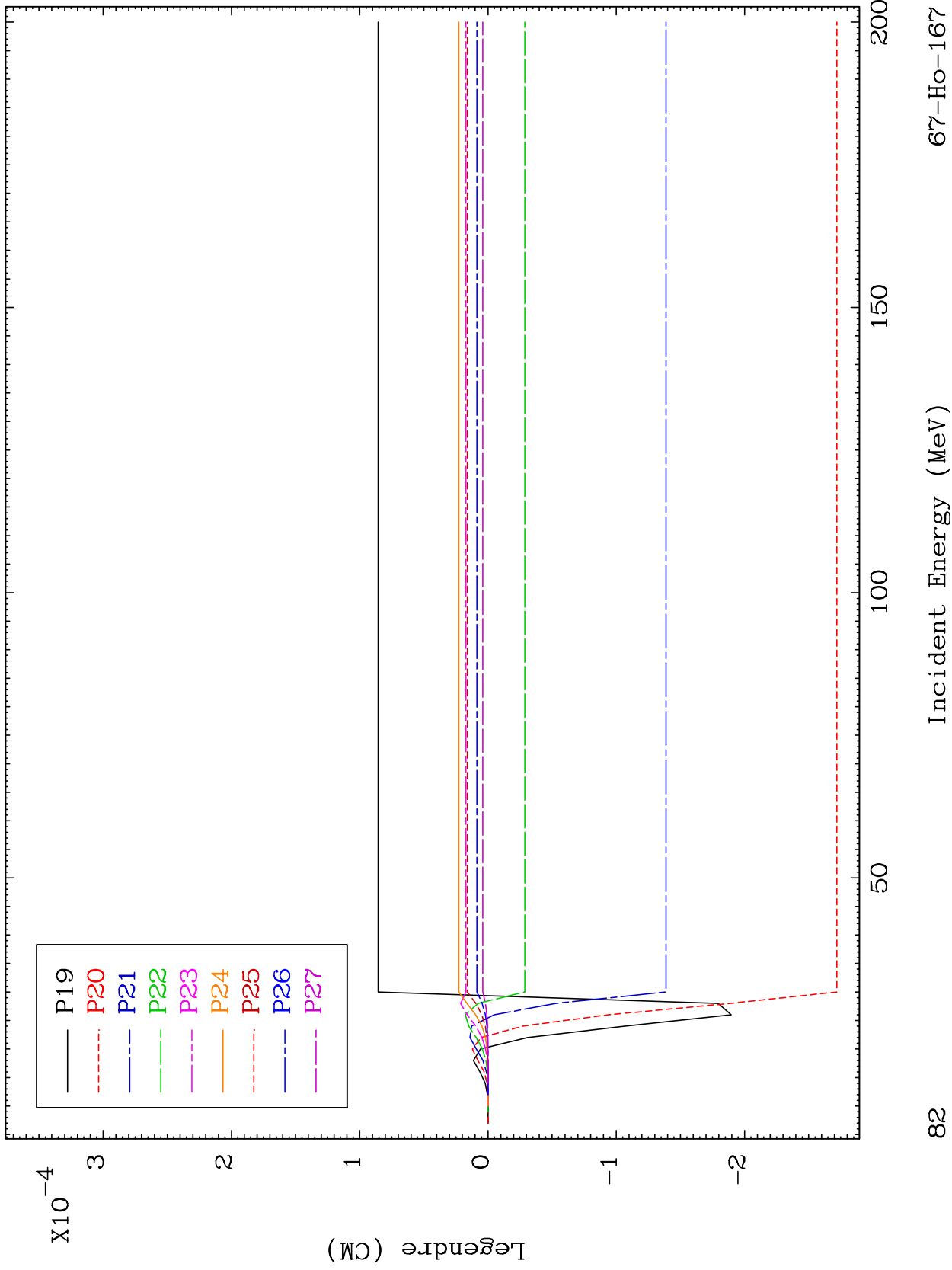
67-Ho-167



81

Incident Energy (MeV)

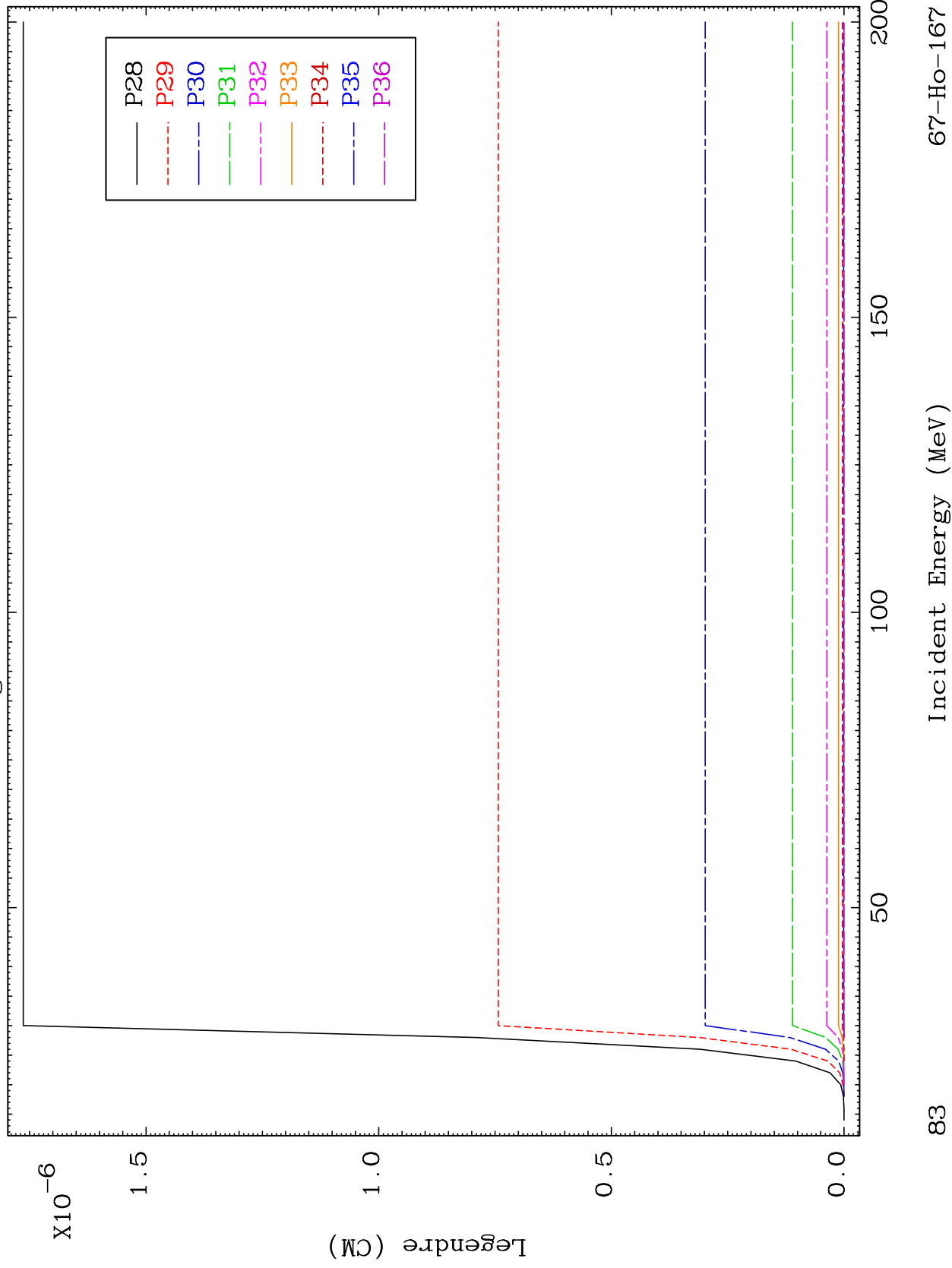
67-Ho-167



MAT 6731

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

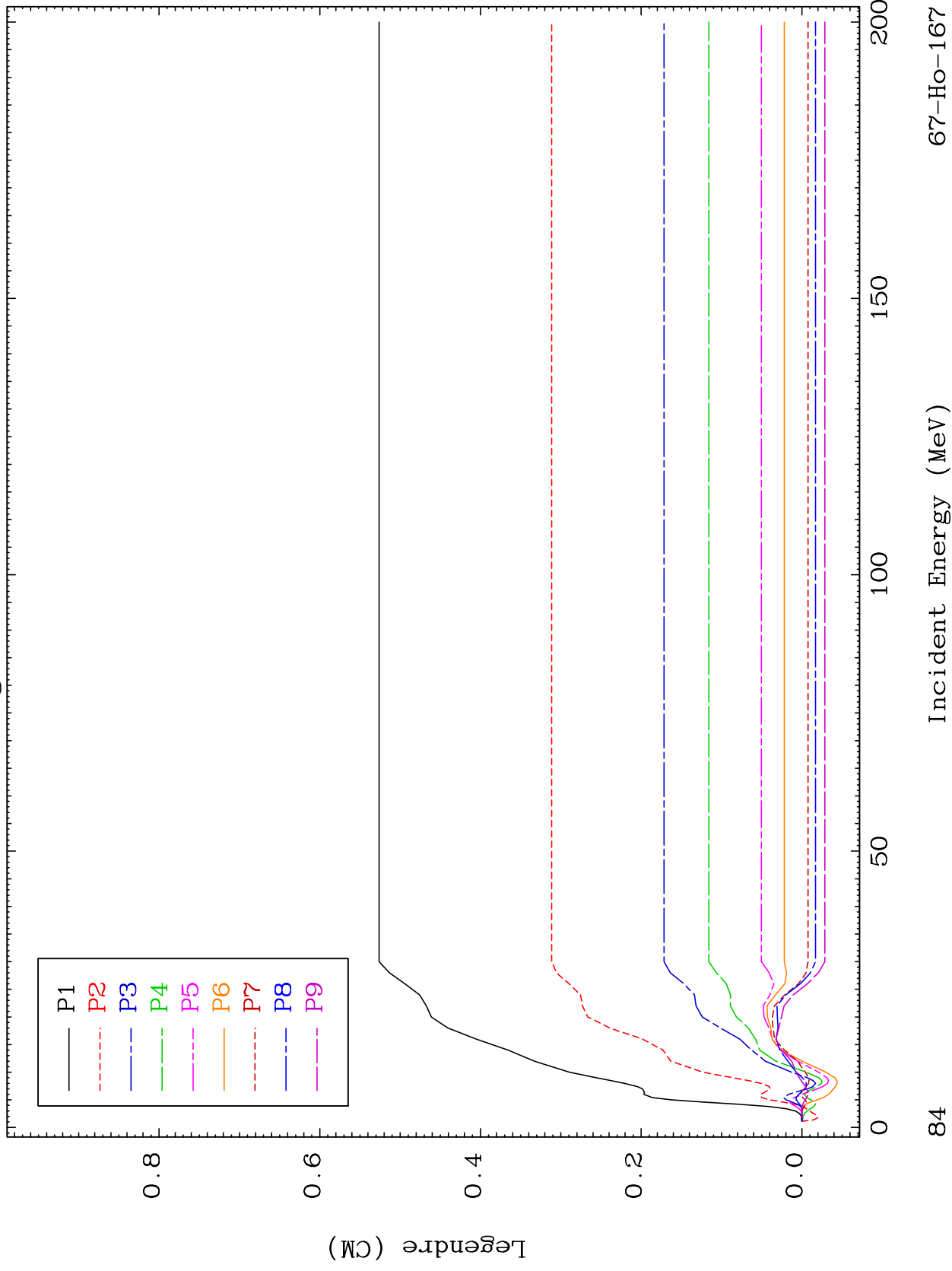
67-Ho-167



MAT 6731

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

67-Ho-167



84

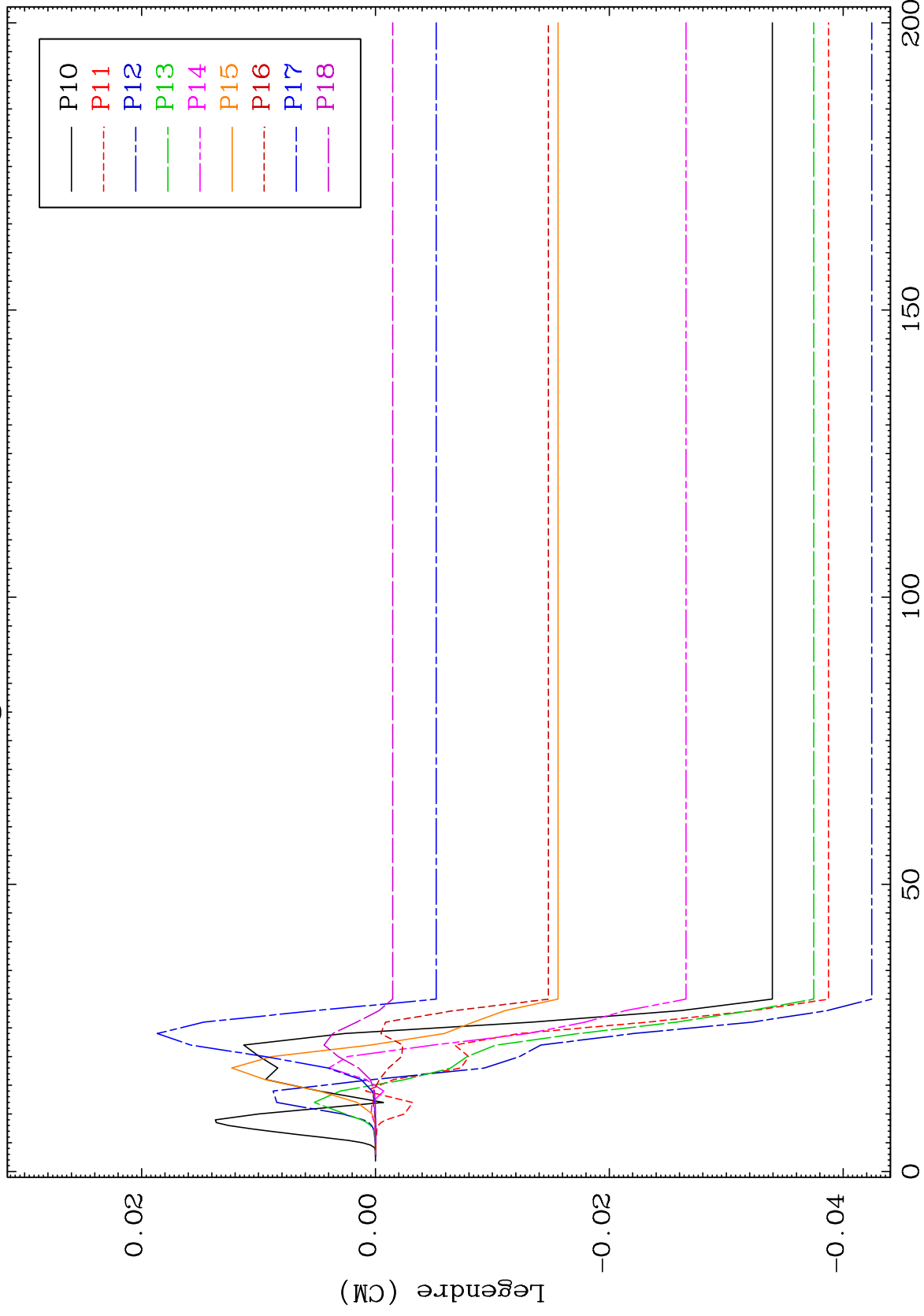
Incident Energy (MeV)

67-Ho-167

MAT 6731

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

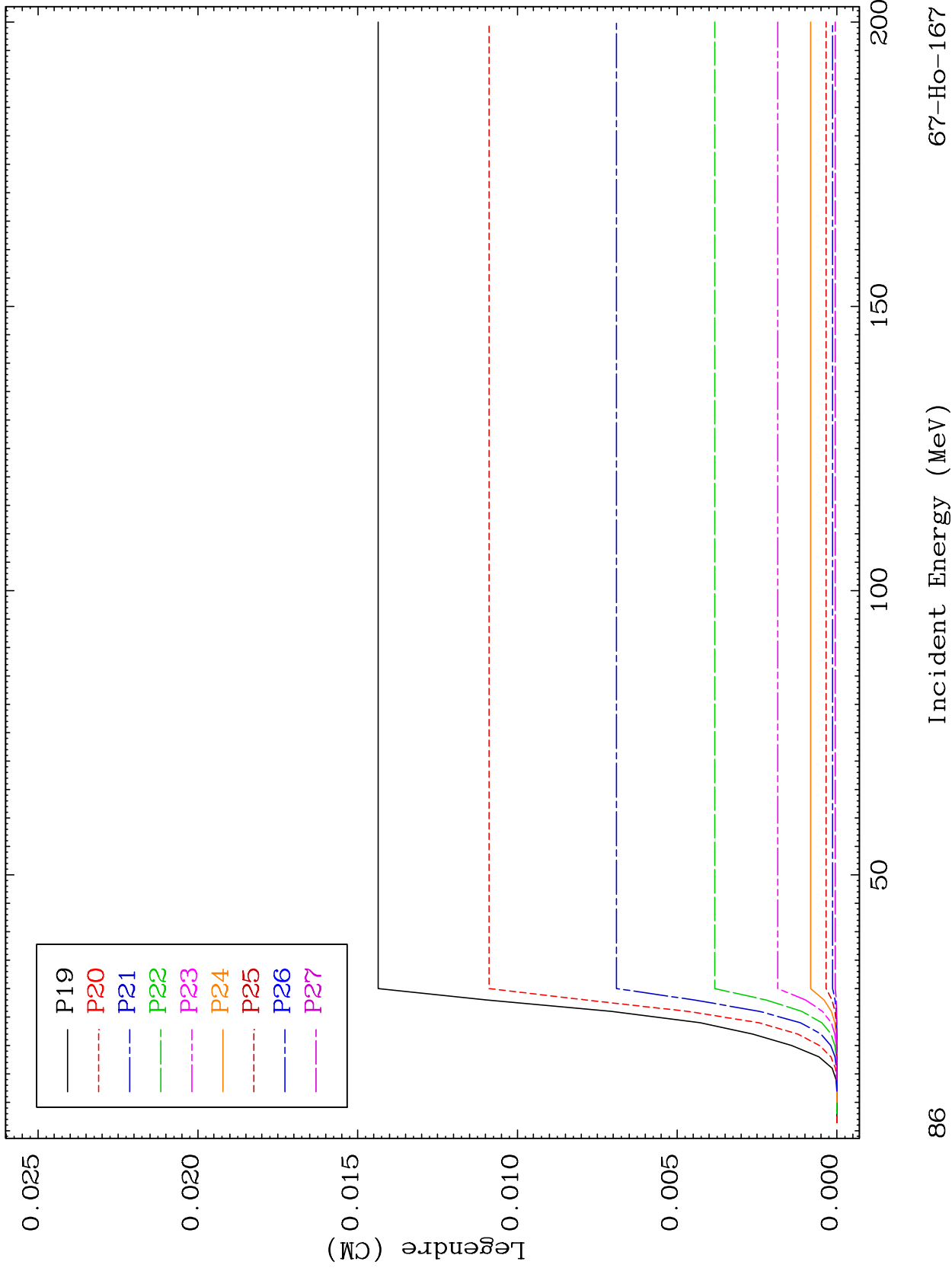
67-Ho-167



85

Incident Energy (MeV)

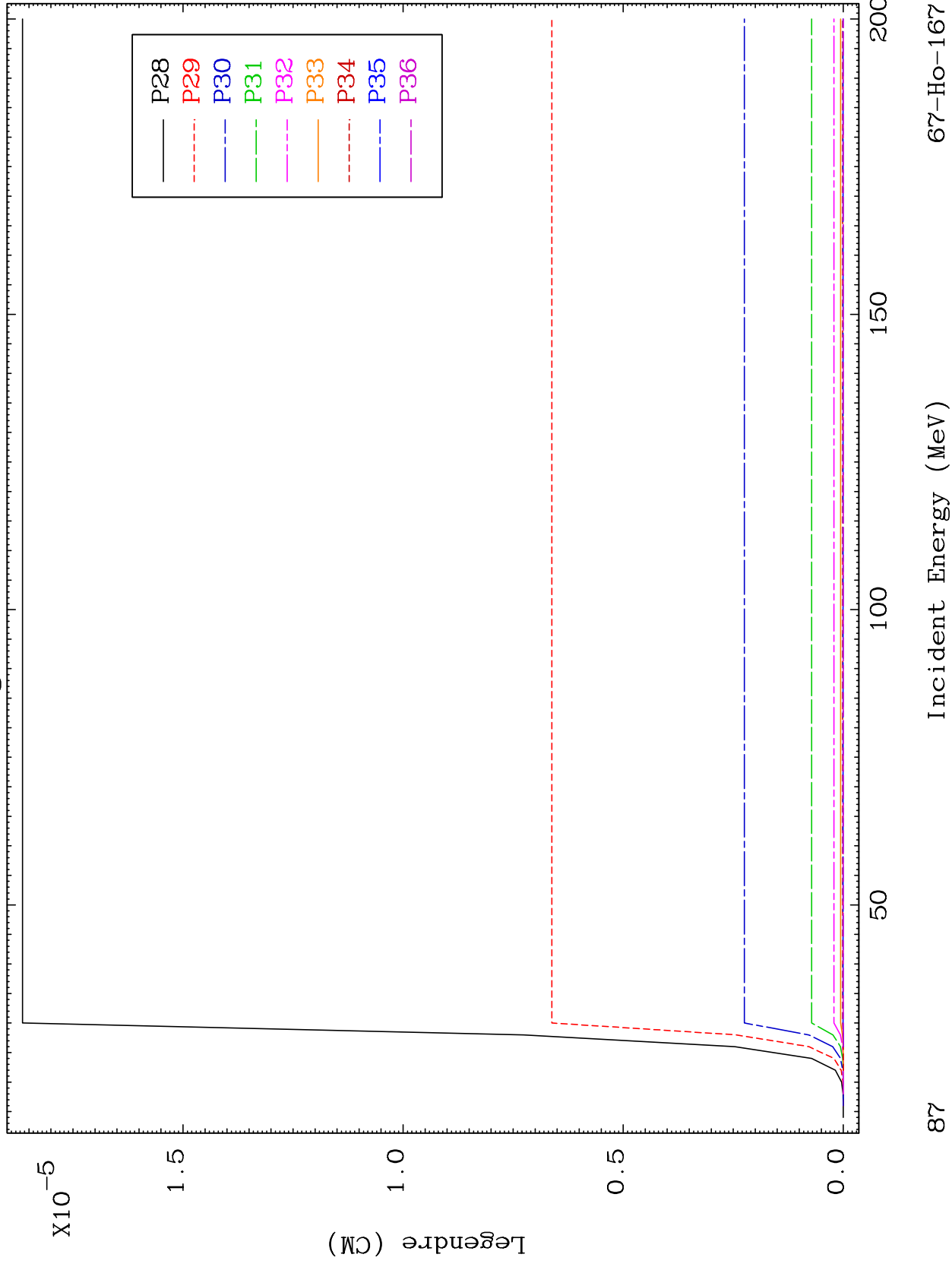
67-Ho-167



MAT 6731

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

67-Ho-167

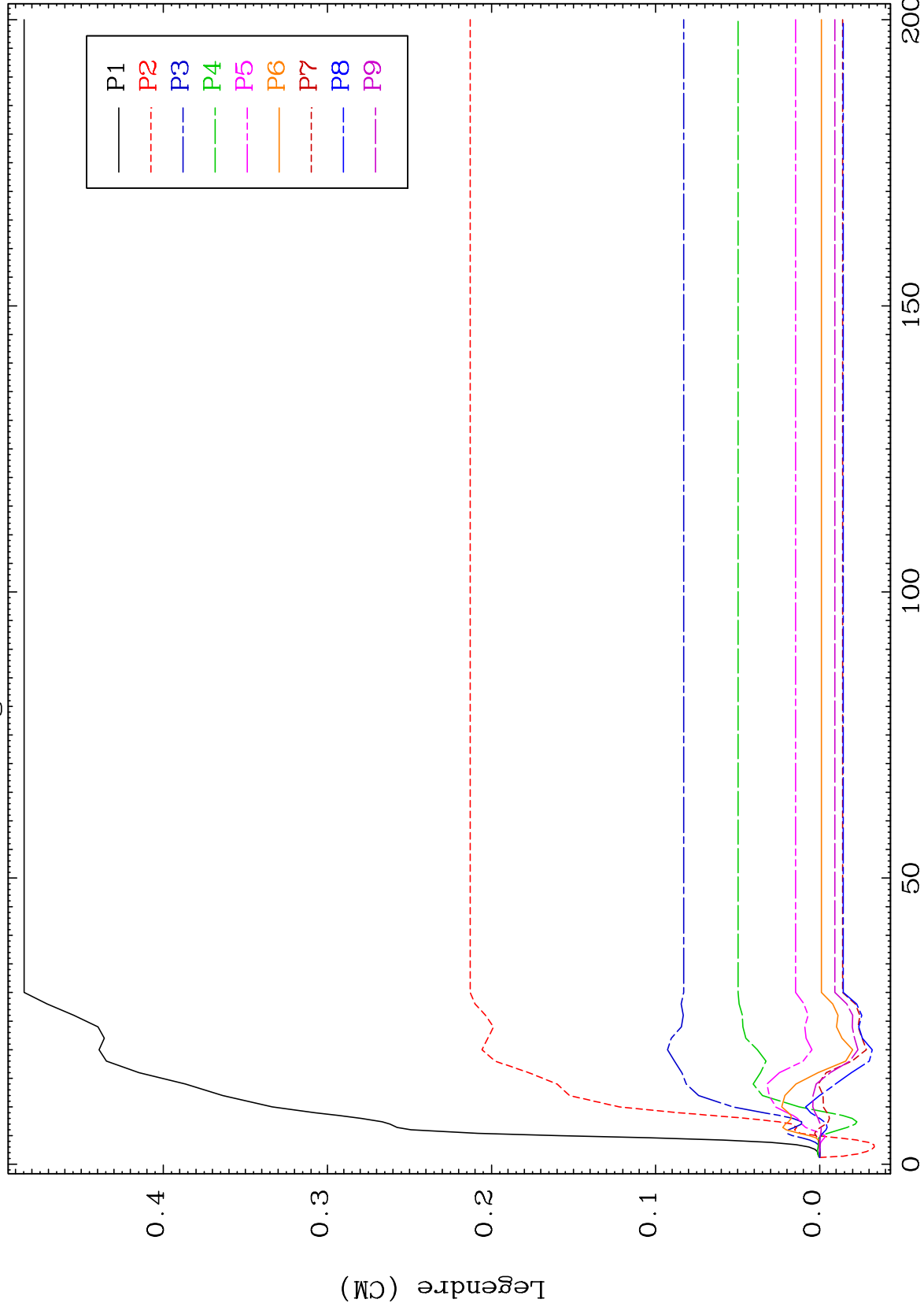




MAT 6731

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

67-Ho-167



88

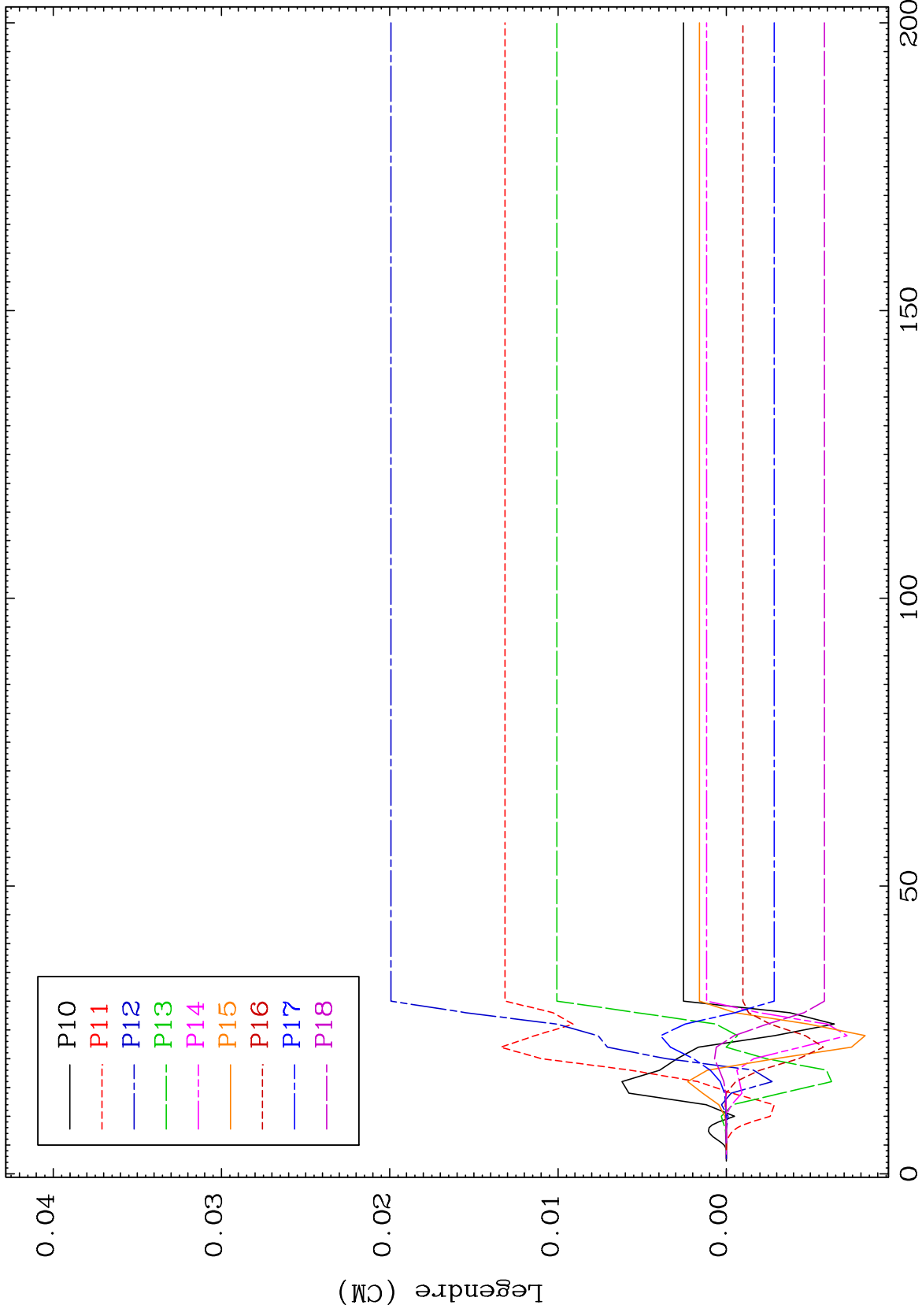
Incident Energy (MeV)

67-Ho-167

MAT 6731

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

67-Ho-167



89

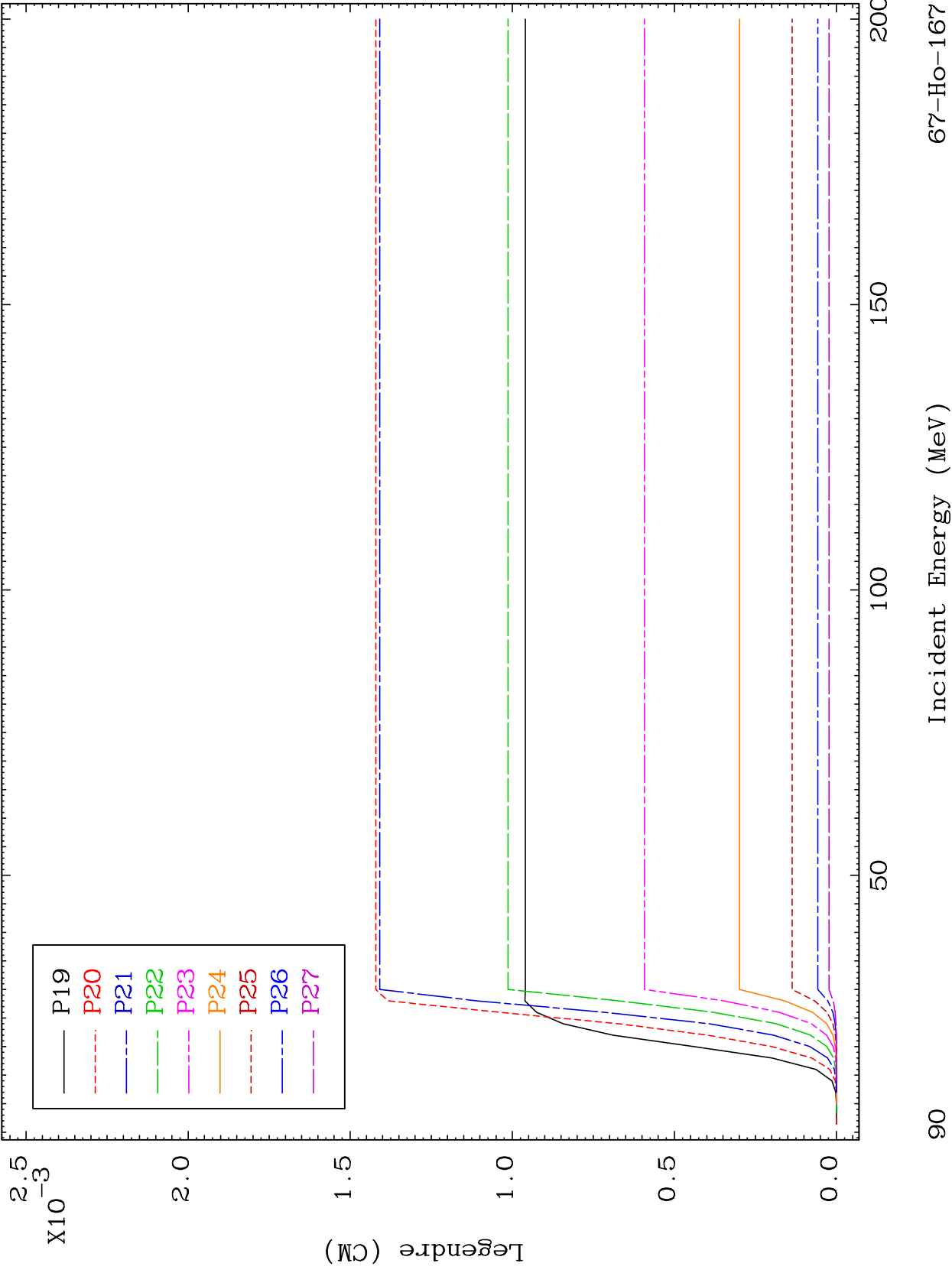
Incident Energy (MeV)

67-Ho-167

MAT 6731

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

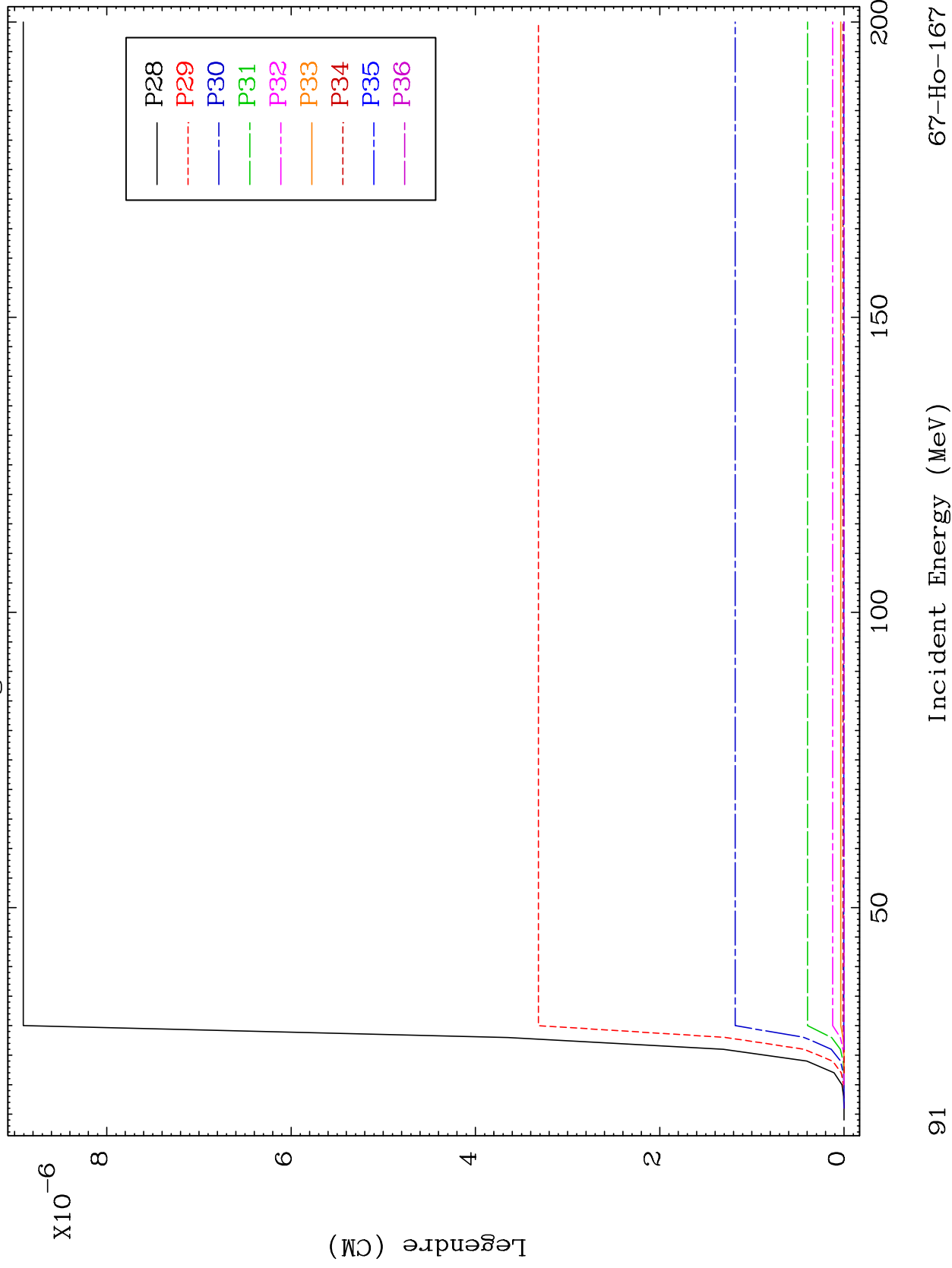
67-Ho-167



MAT 6731

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

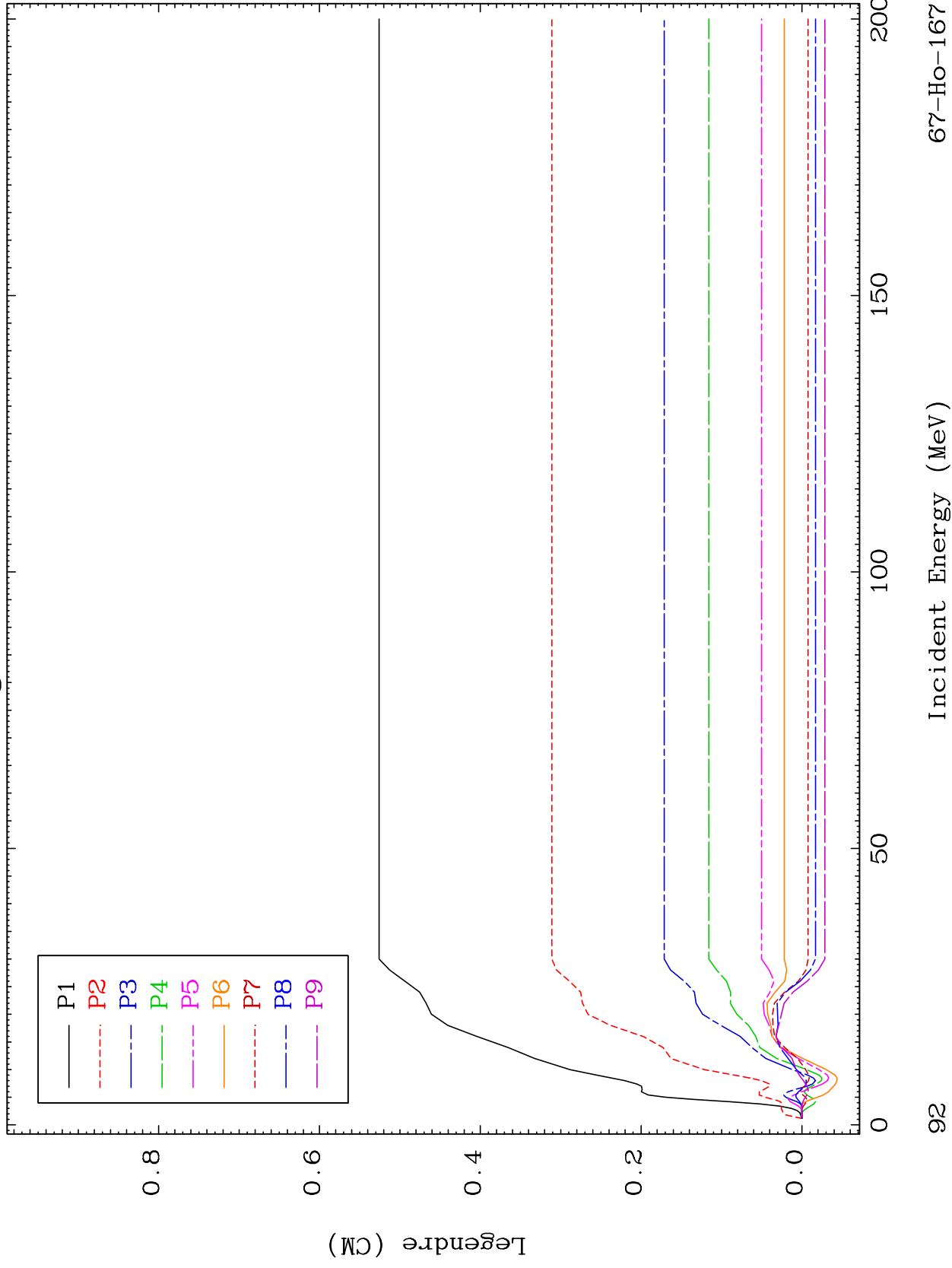
67-Ho-167



MAT 6731

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

67-Ho-167



67-Ho-167

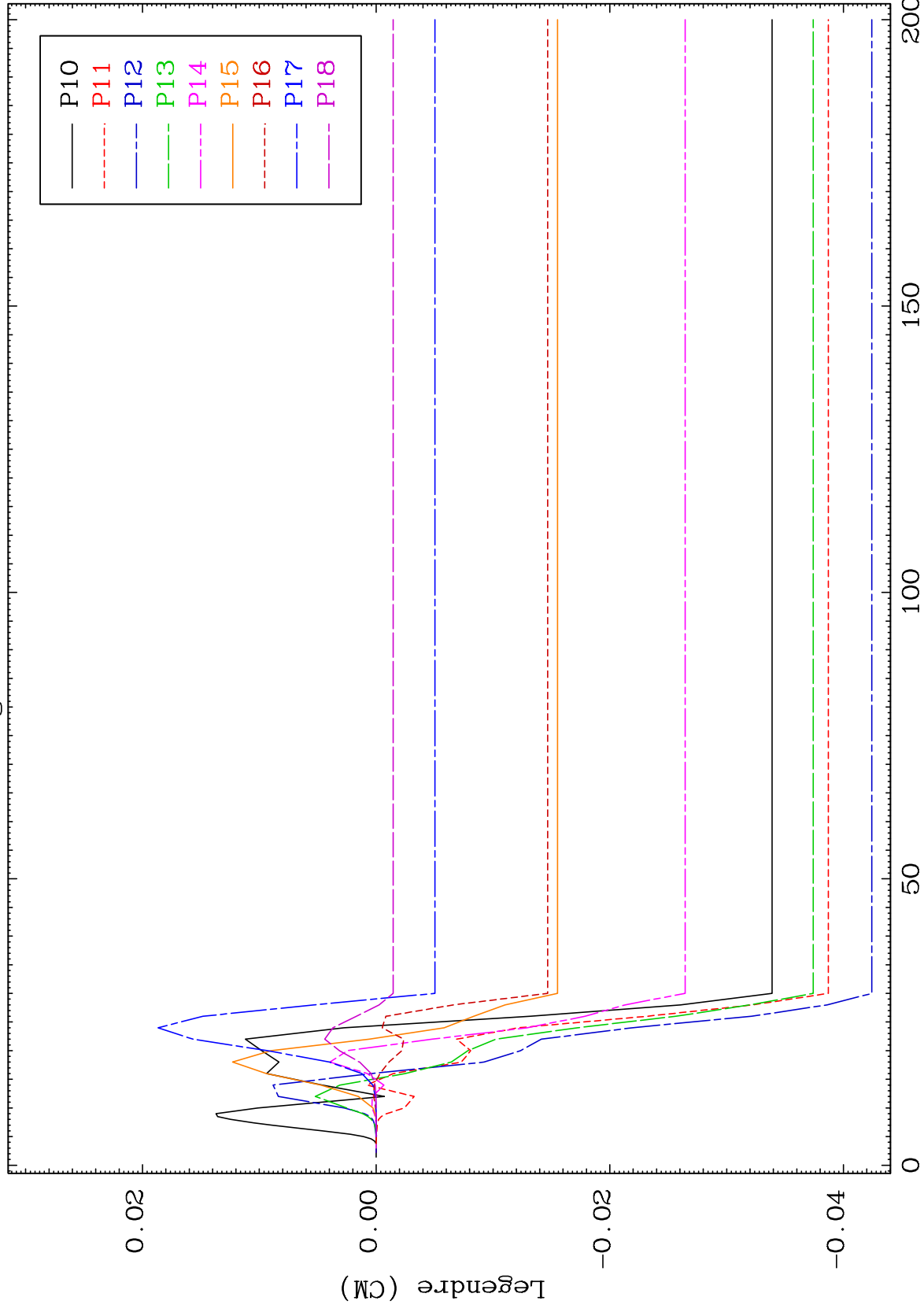
Incident Energy (MeV)

92

MAT 6731

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

67-Ho-167



93

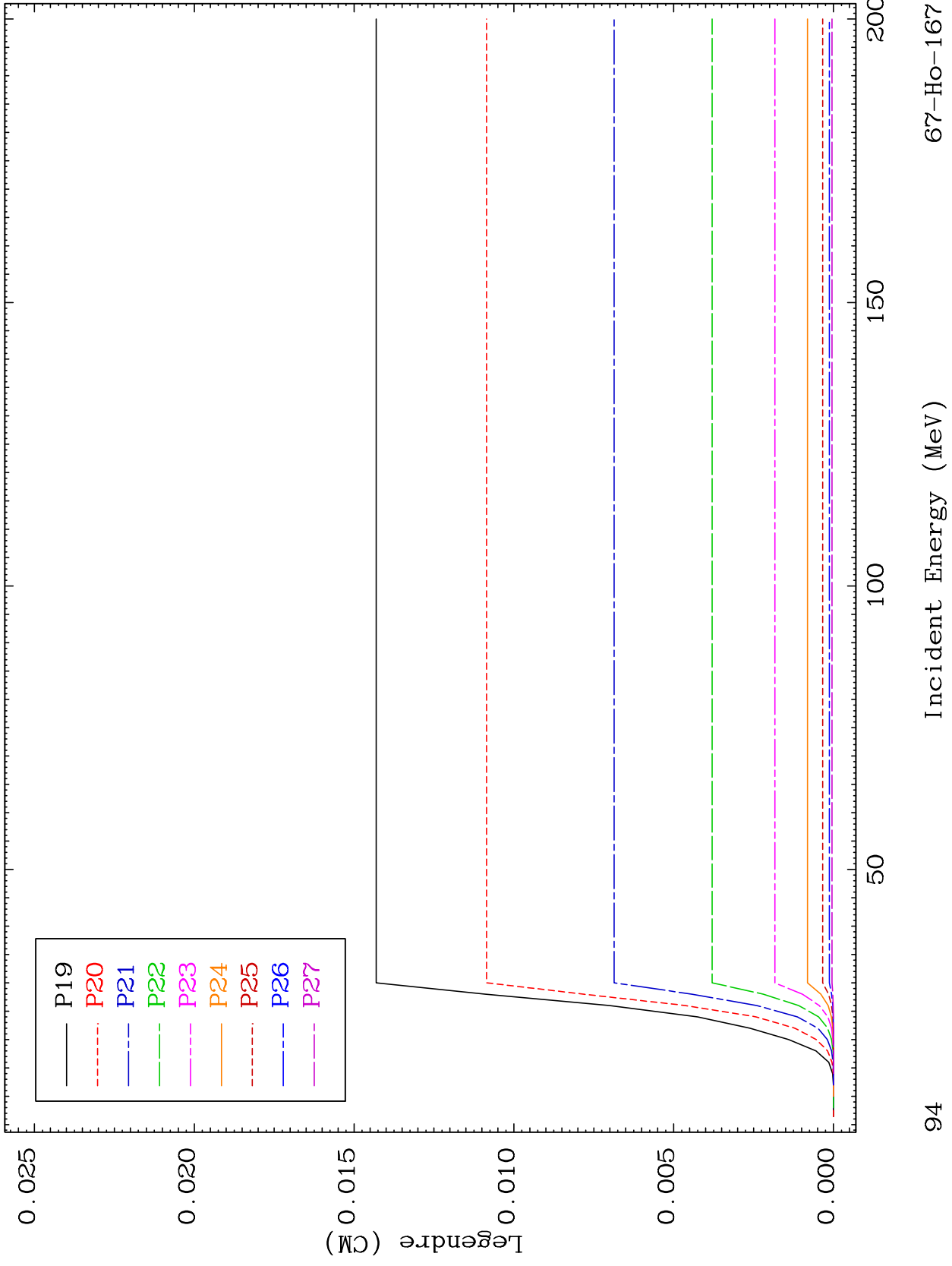
Incident Energy (MeV)

67-Ho-167

MAT 6731

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

67-Ho-167



94

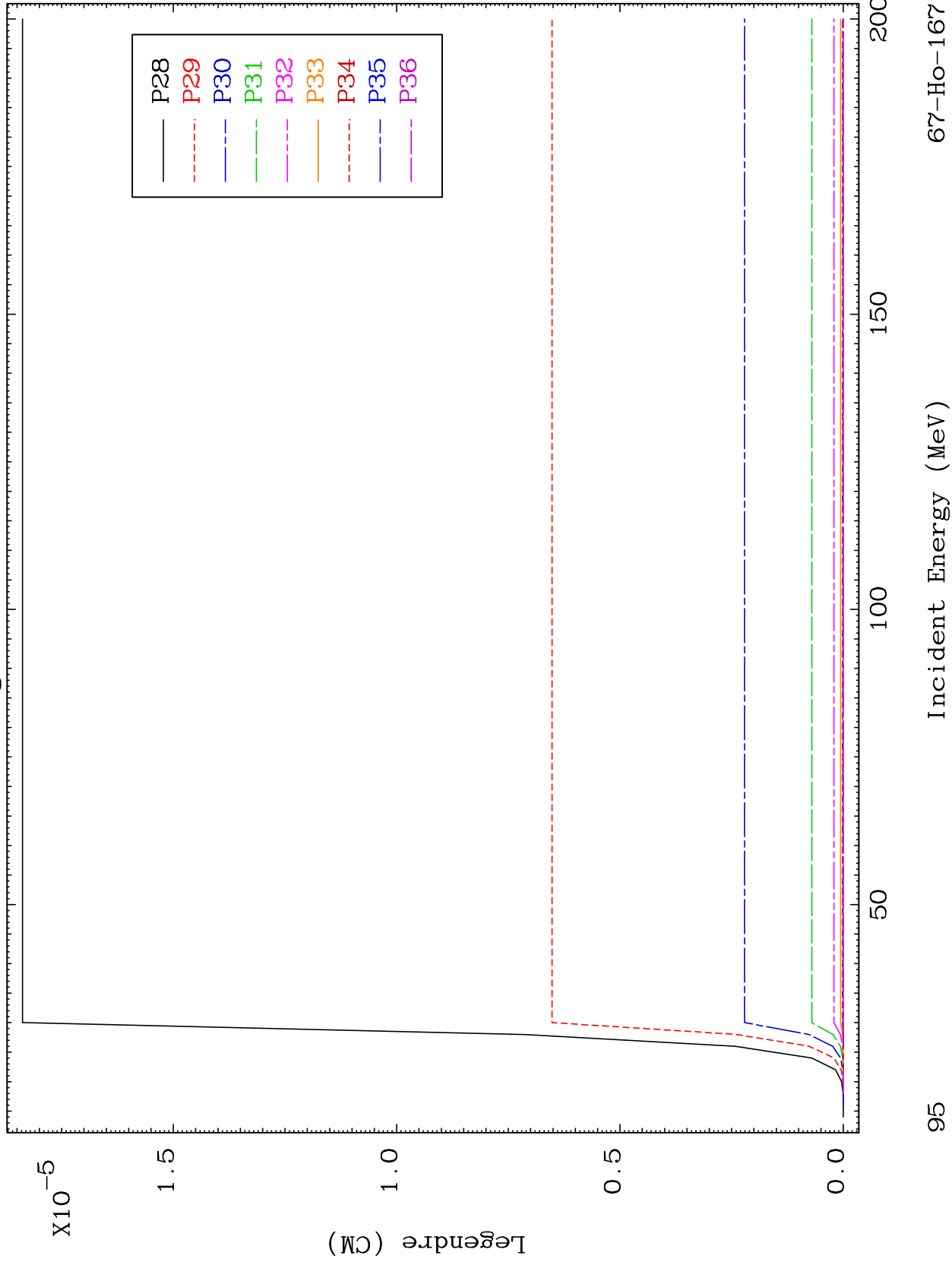
Incident Energy (MeV)

67-Ho-167

MAT 6731

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

67-Ho-167



95

Incident Energy (MeV)

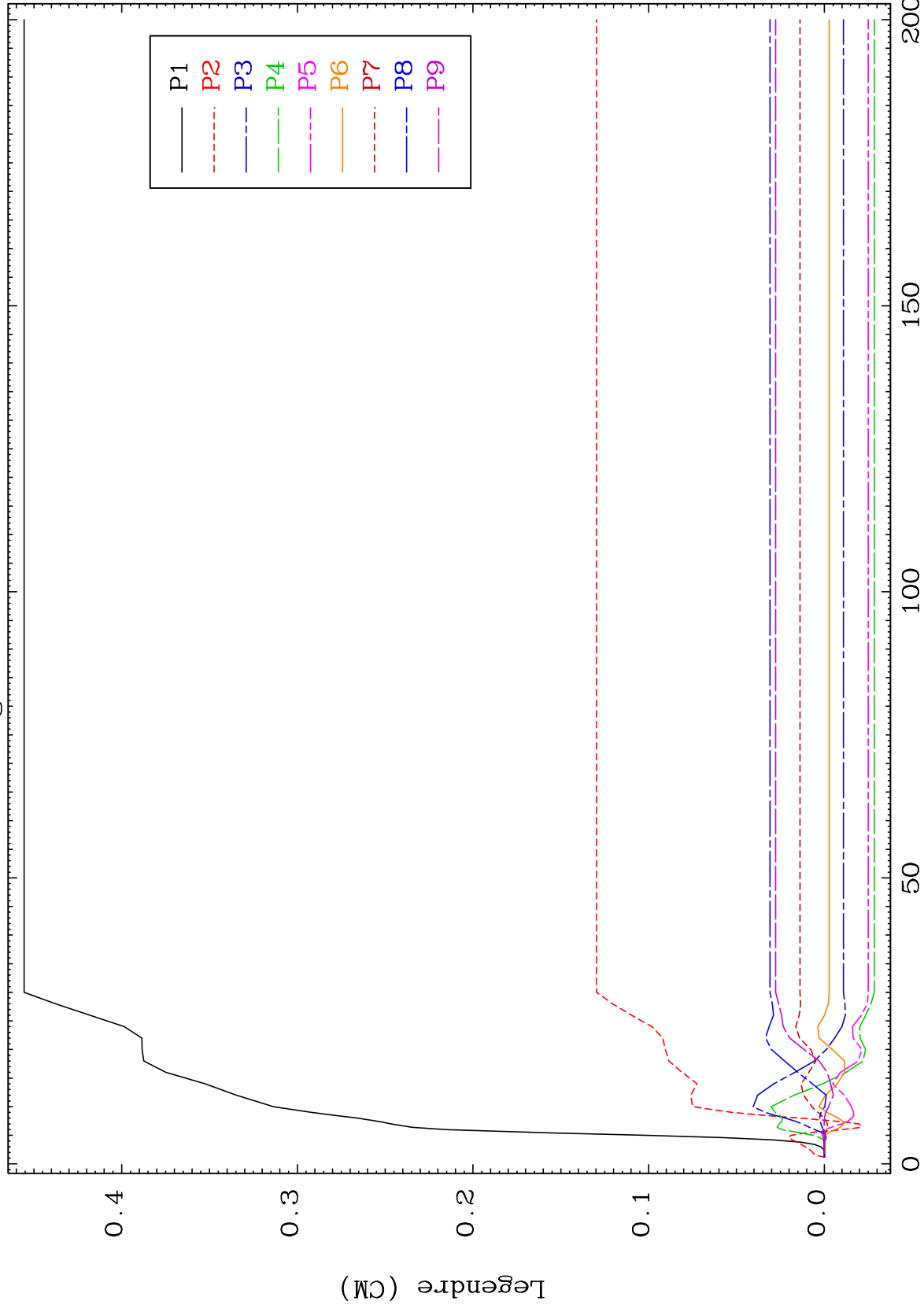
67-Ho-167



MAT 6731

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

67-Ho-167



96

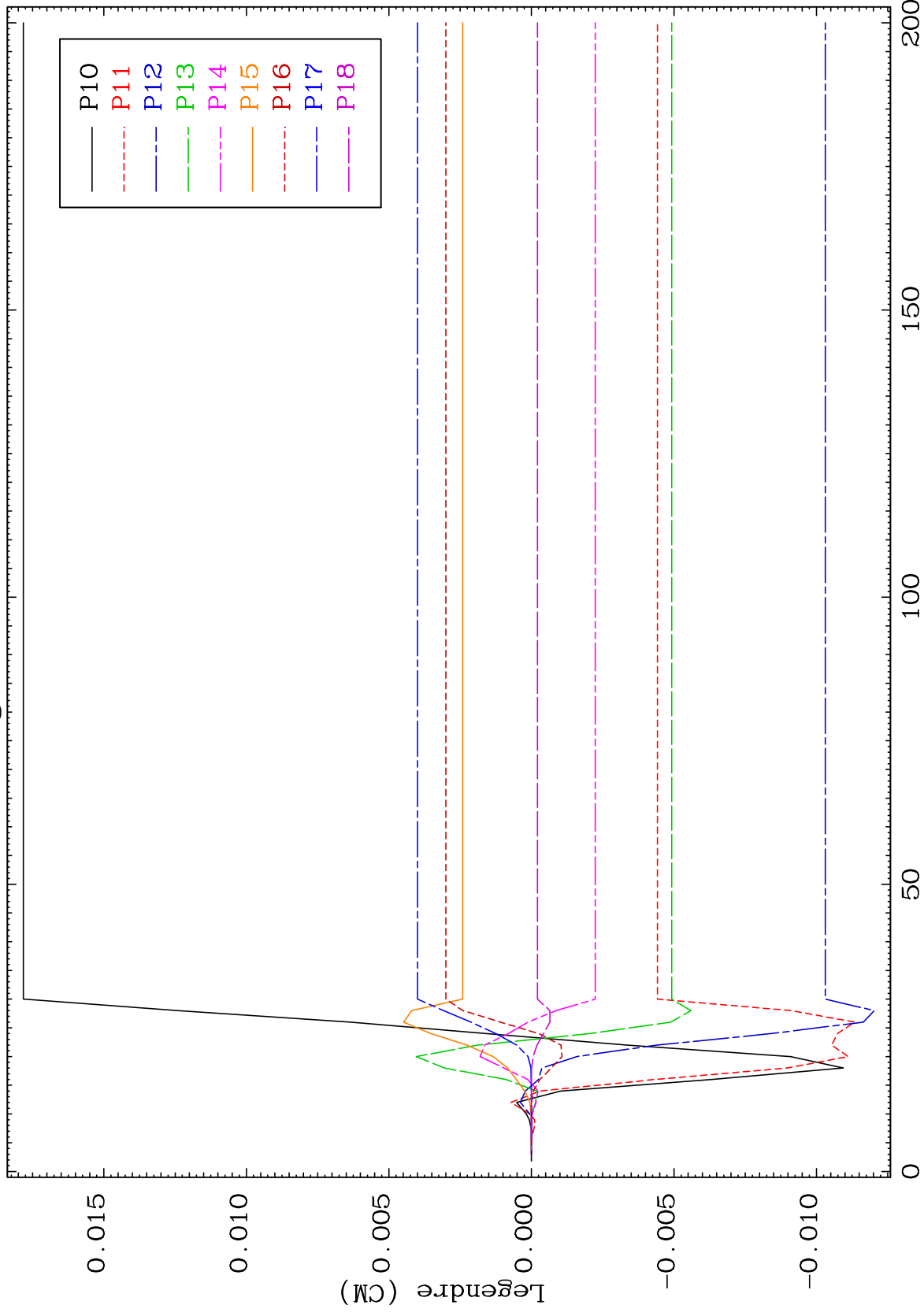
Incident Energy (MeV)

67-Ho-167

MAT 6731

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

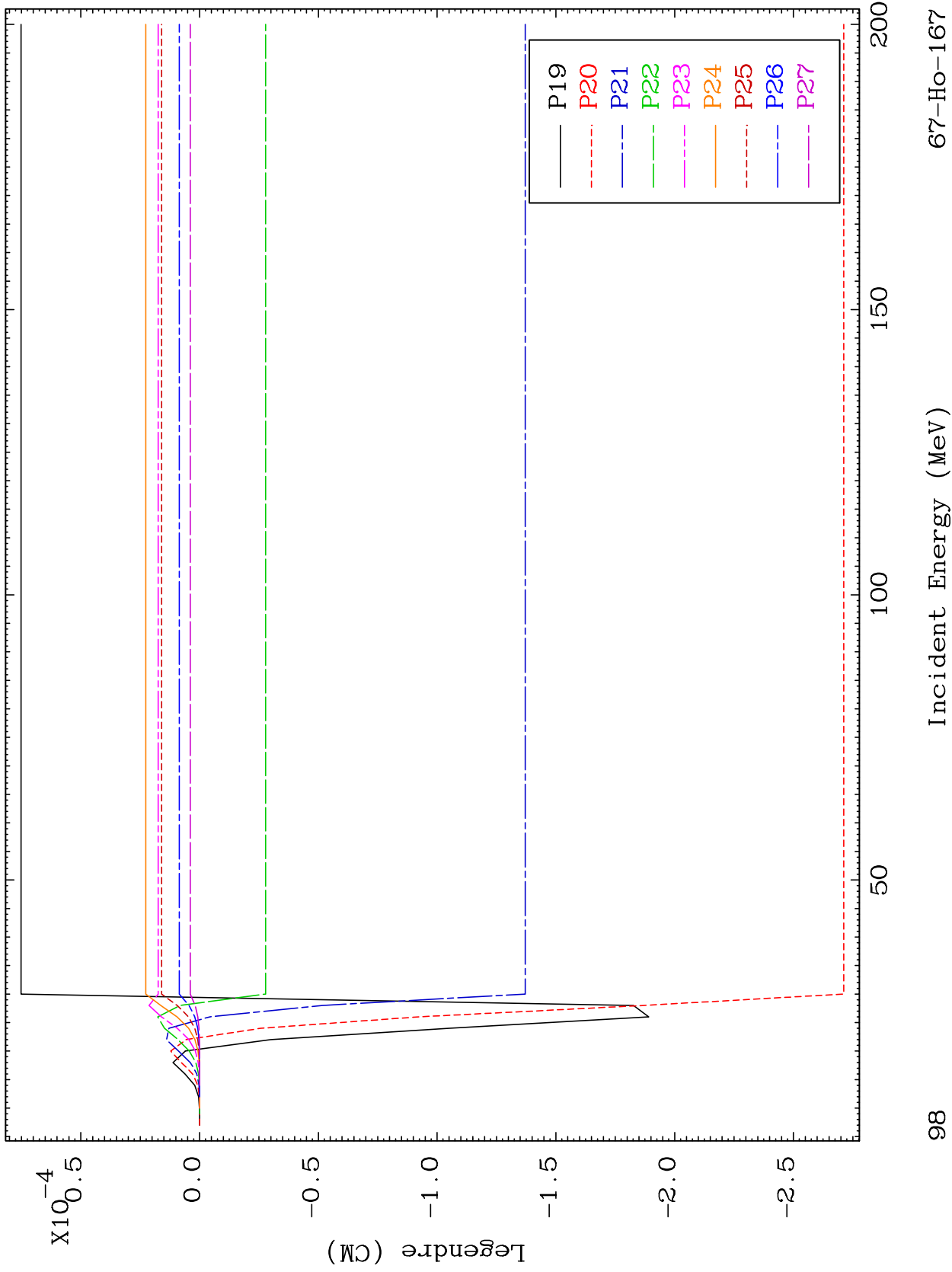
67-Ho-167



97

Incident Energy (MeV)

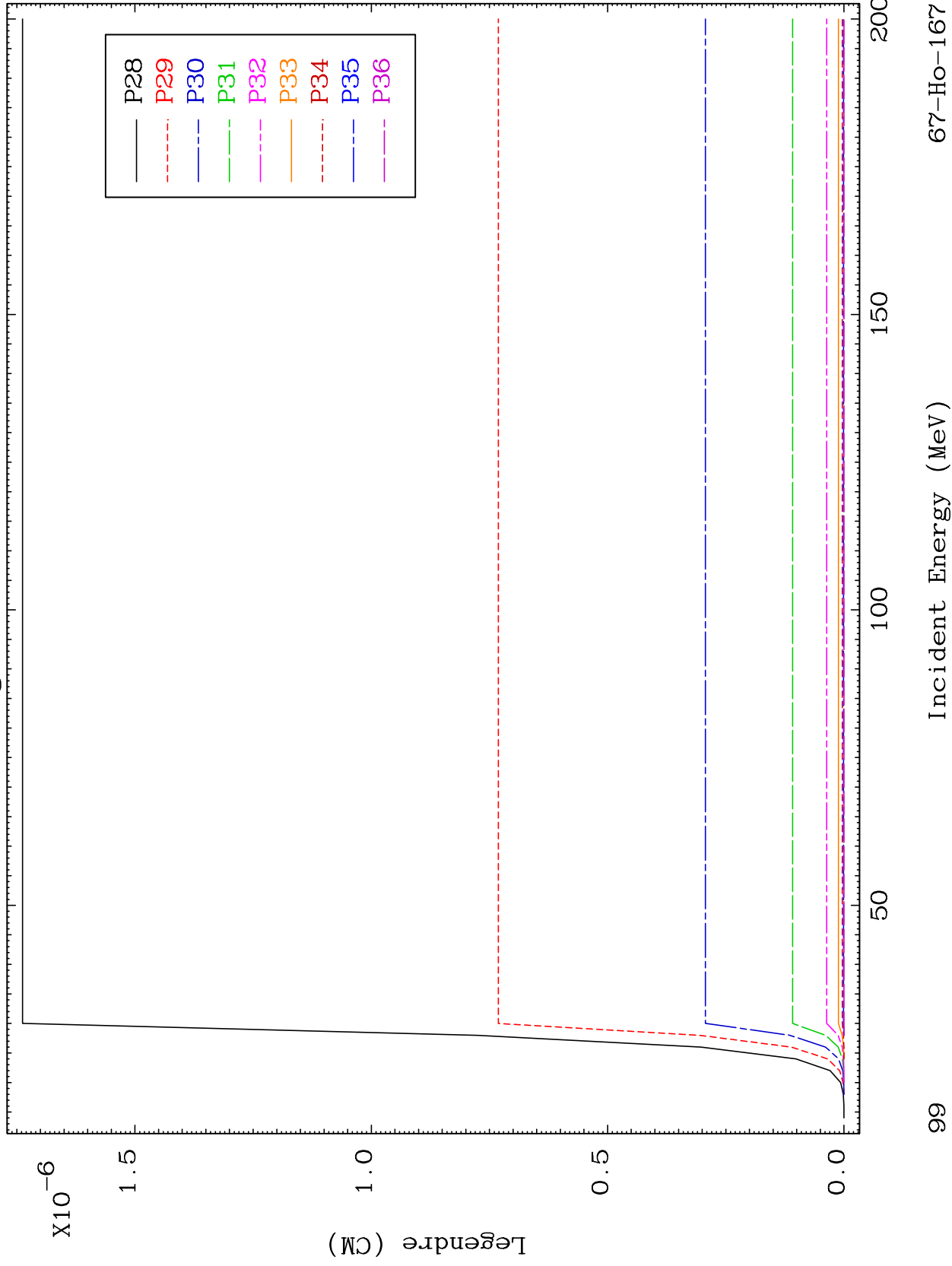
67-Ho-167



MAT 6731

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

67-Ho-167



99

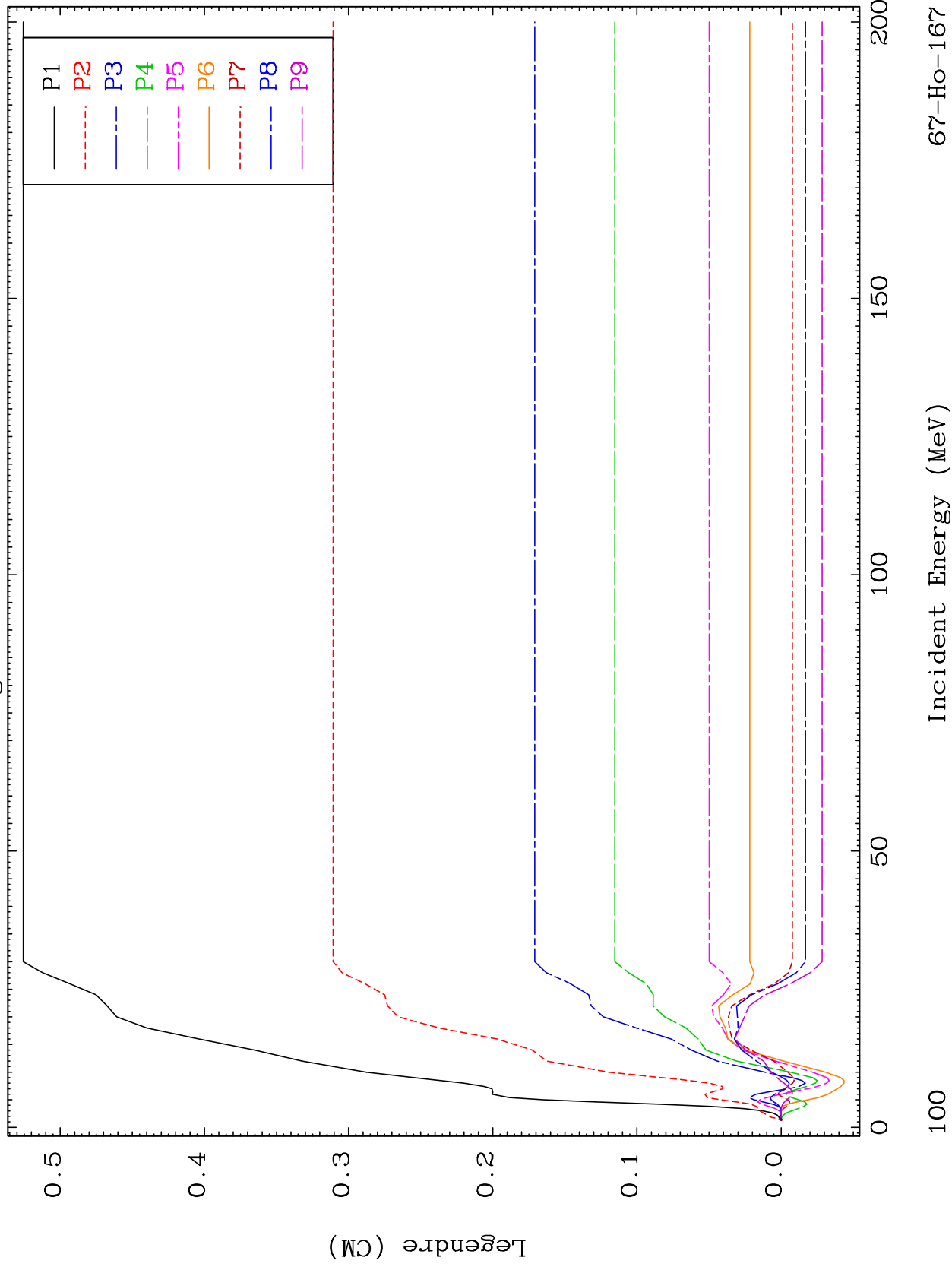
Incident Energy (MeV)

67-Ho-167

MAT 6731

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

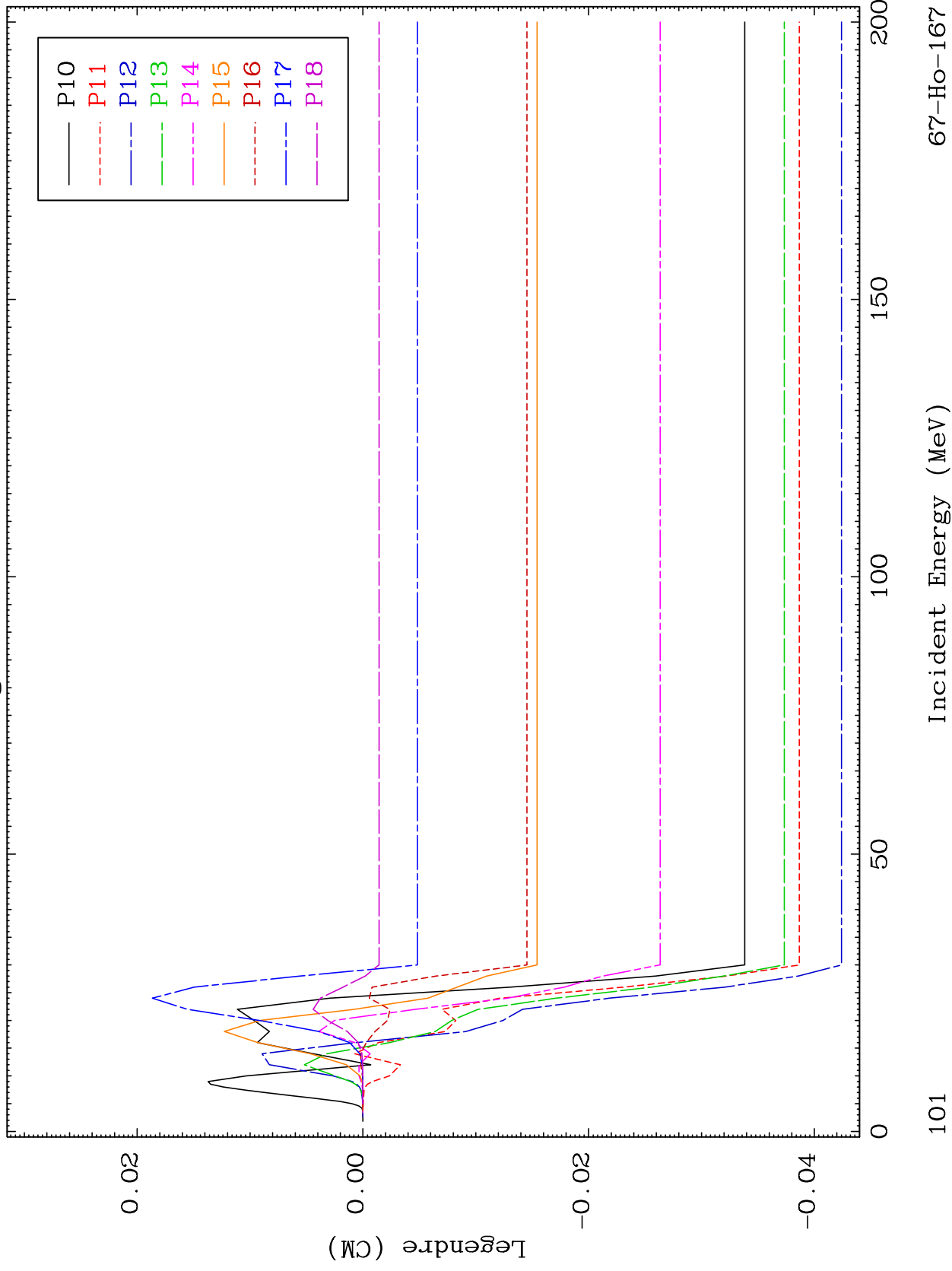
67-Ho-167



MAT 6731

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

67-Ho-167



67-Ho-167

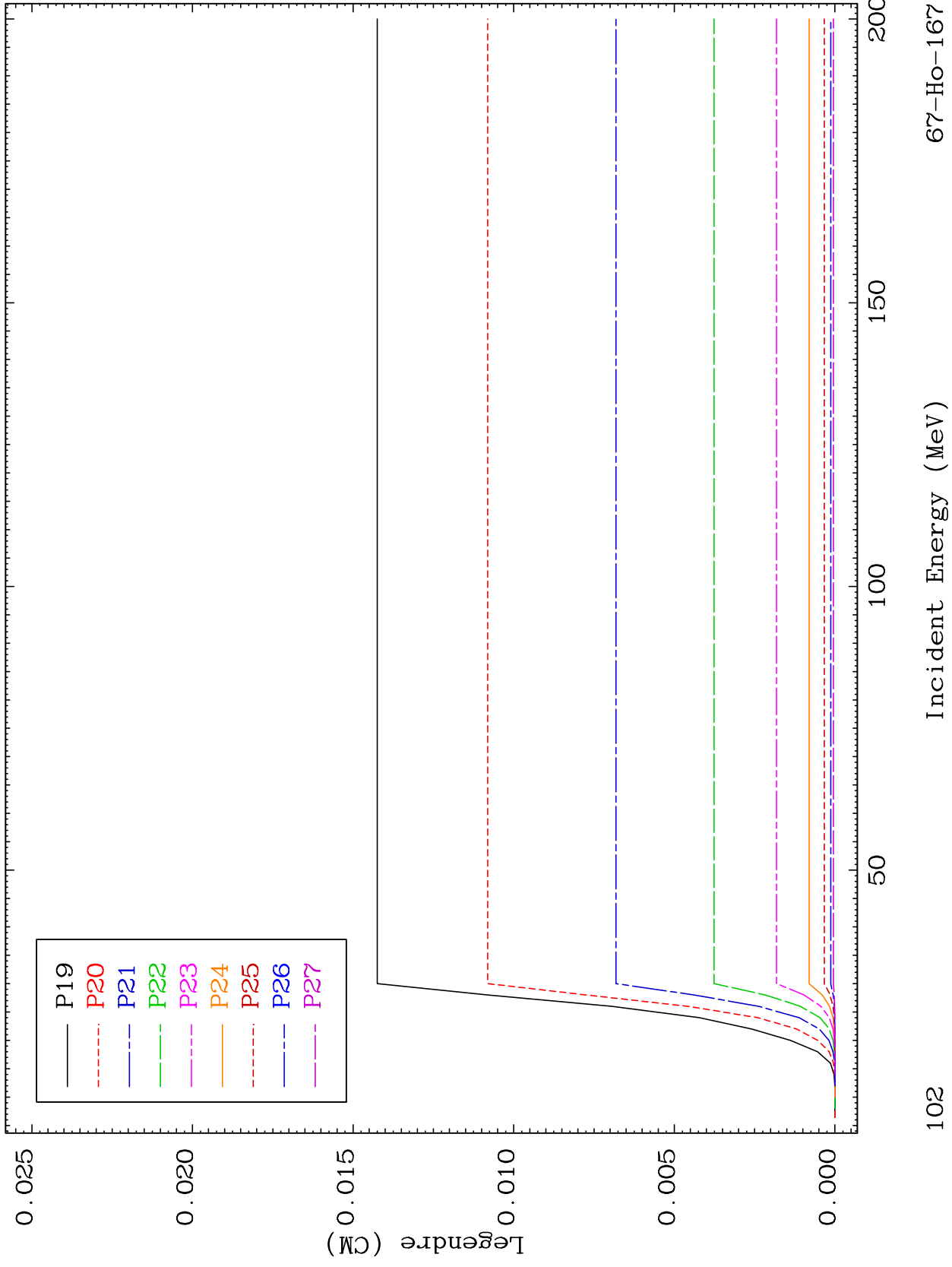
Incident Energy (MeV)

101

MAT 6731

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

67-Ho-167



102

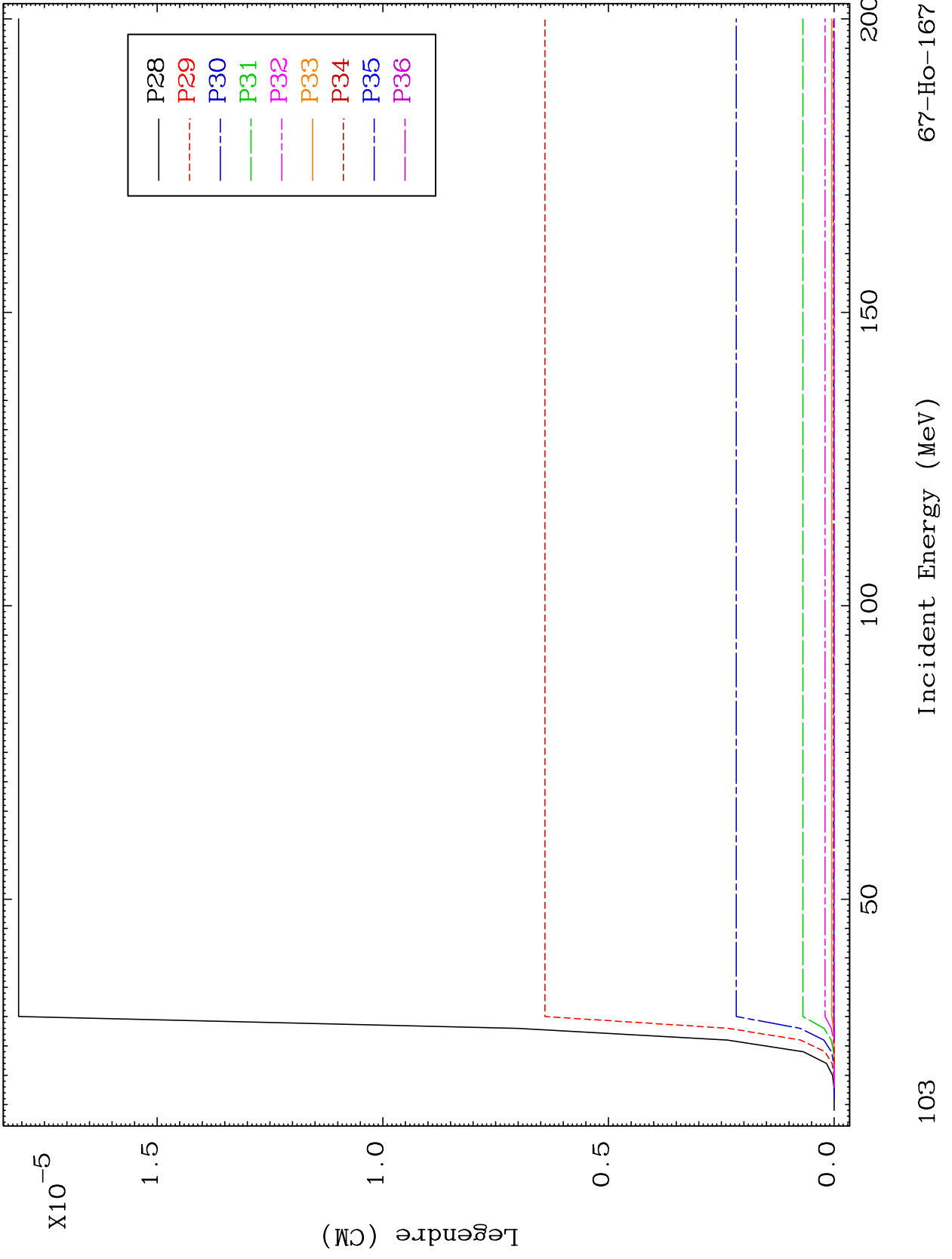
Incident Energy (MeV)

67-Ho-167

MAT 6731

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

67-Ho-167

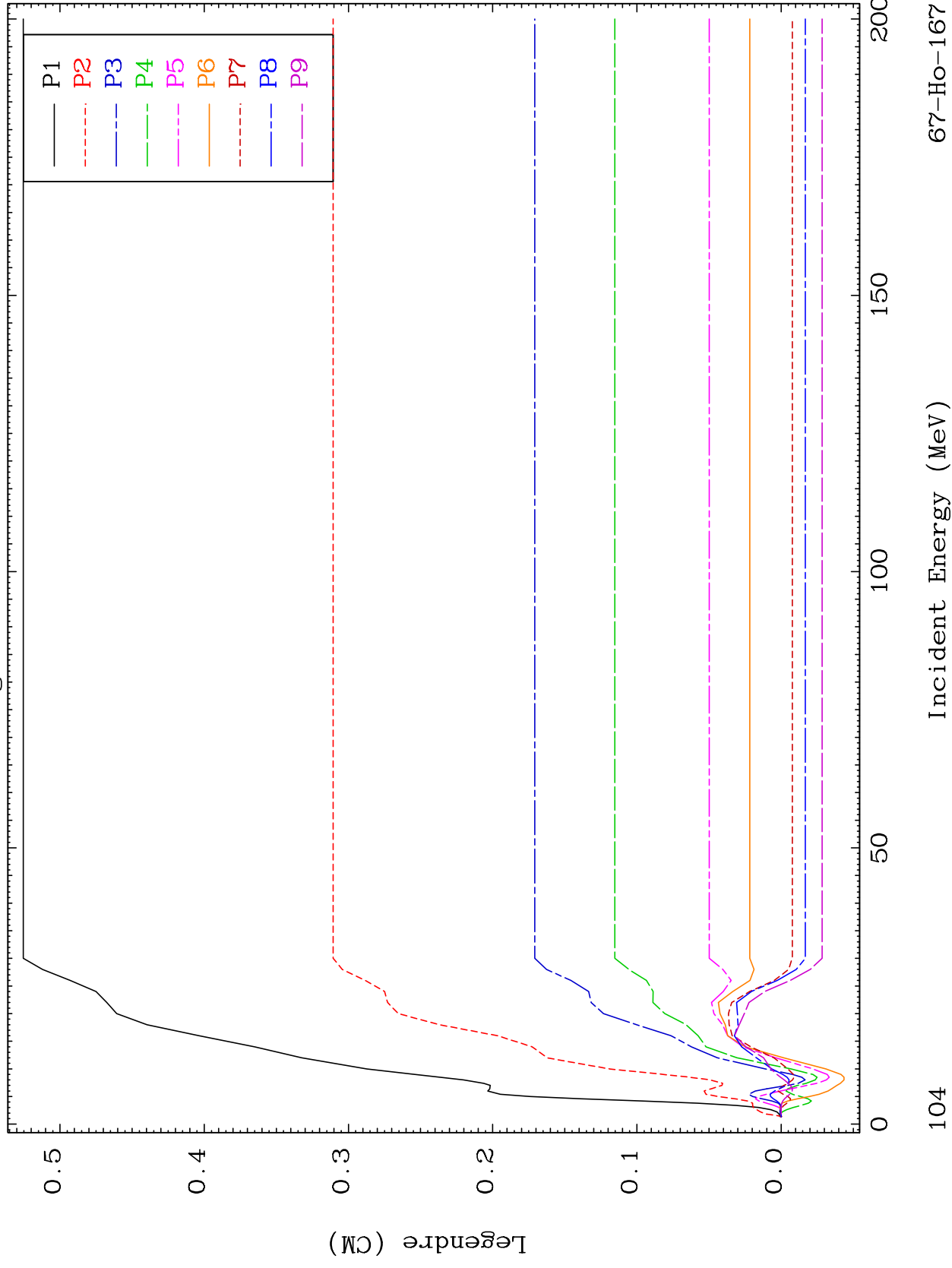




MAT 6731

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

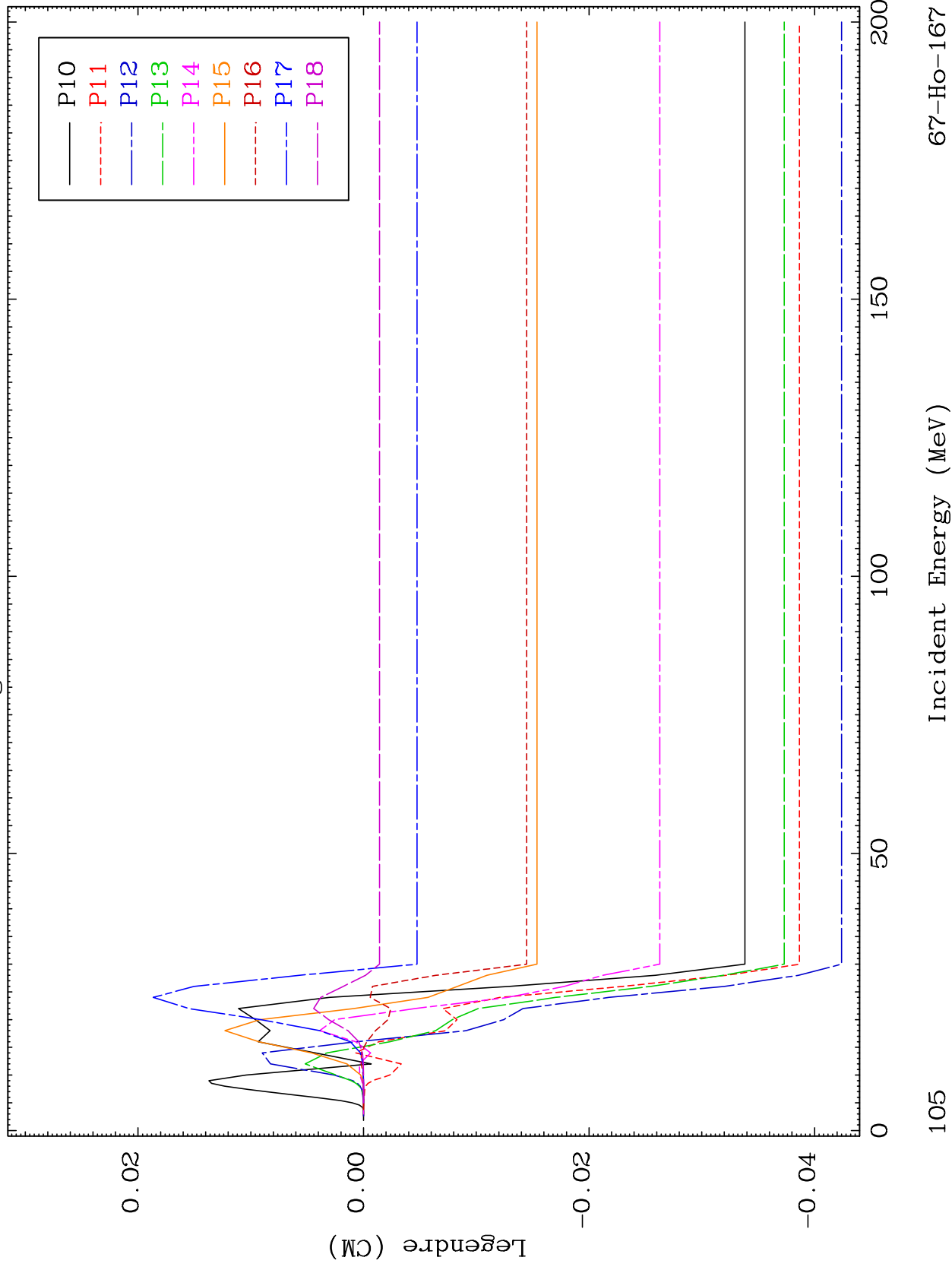
67-Ho-167



MAT 6731

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

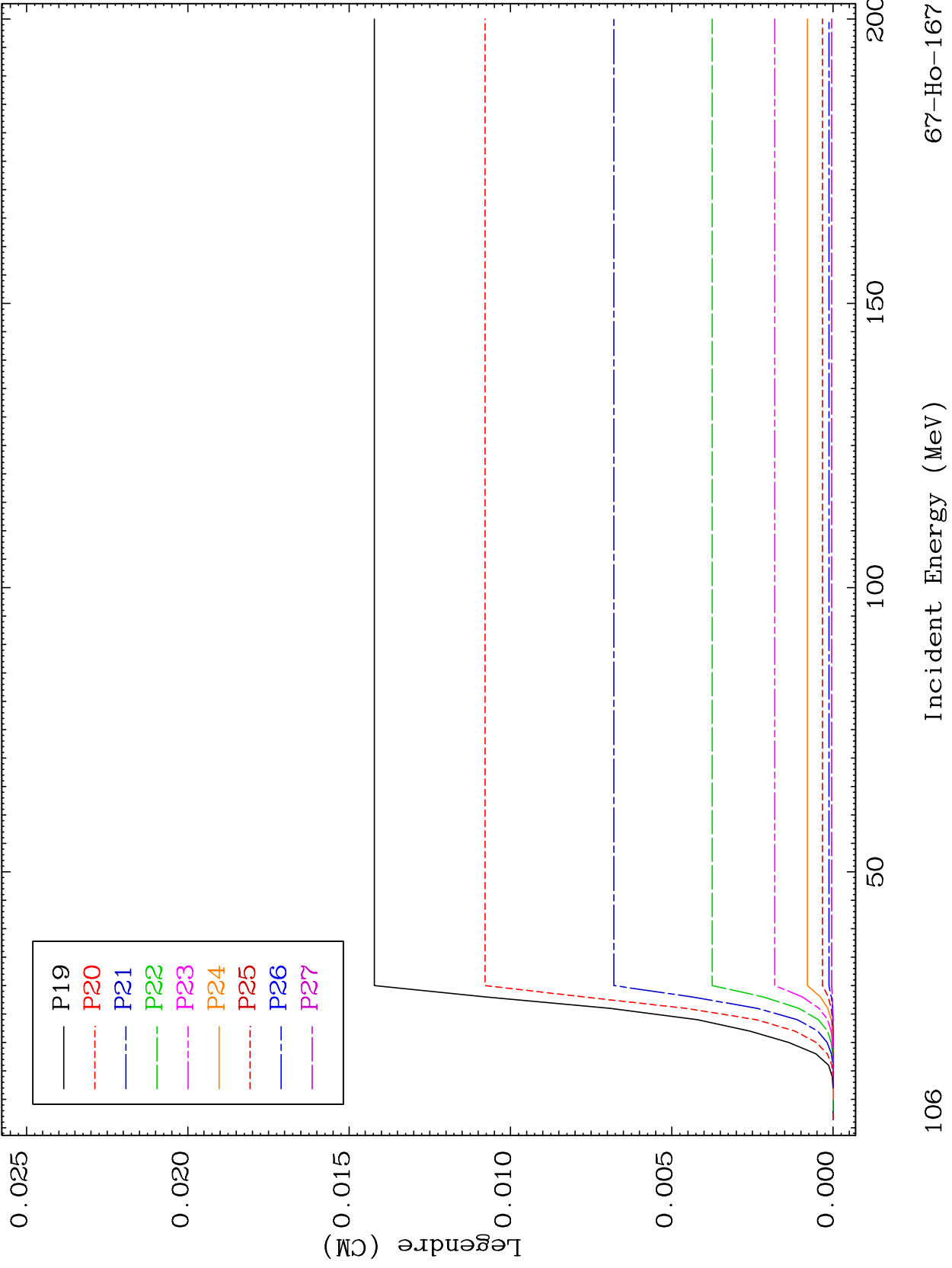
67-Ho-167



MAT 6731

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

67-Ho-167



106

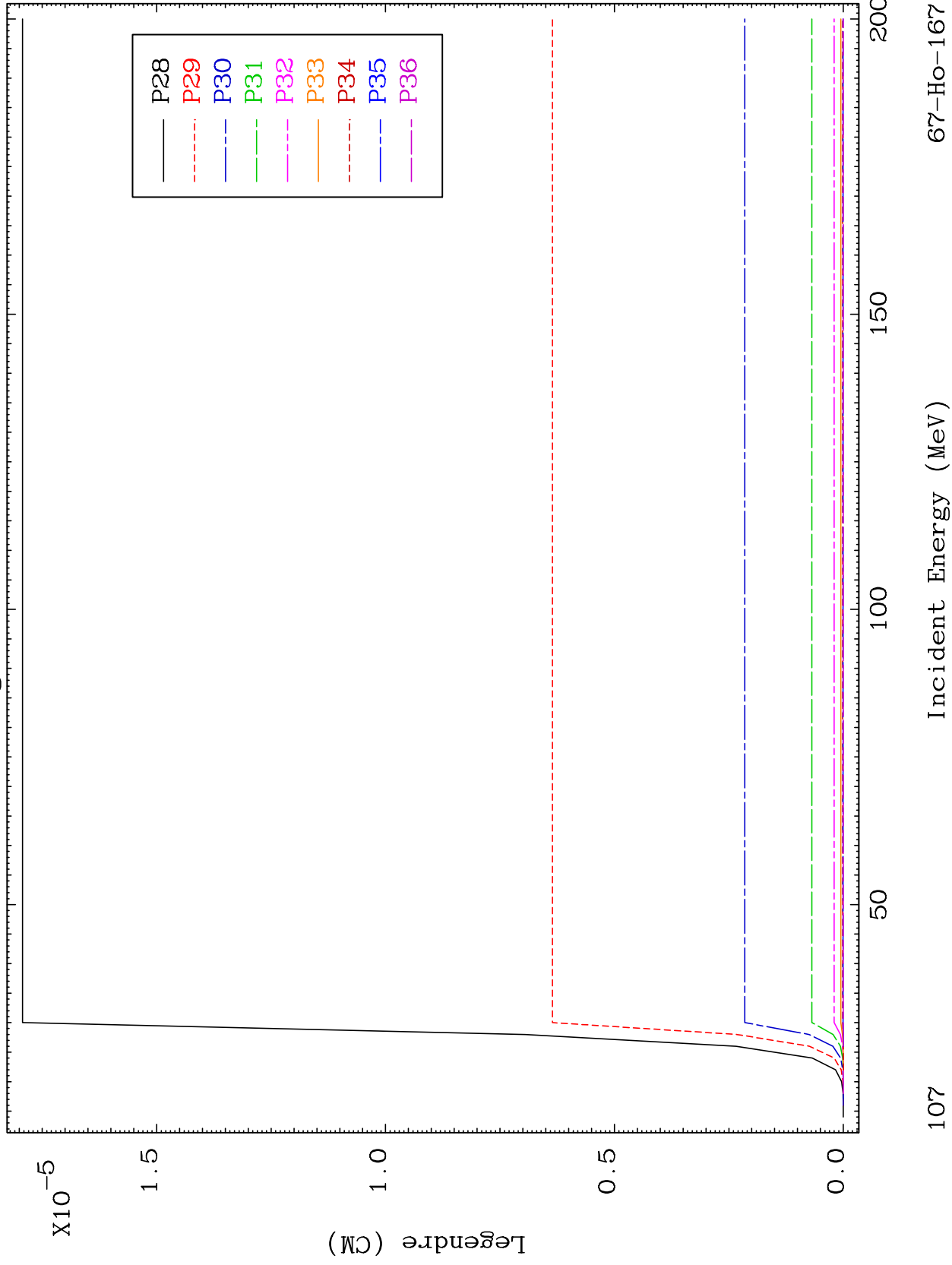
Incident Energy (MeV)

67-Ho-167

MAT 6731

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

67-Ho-167

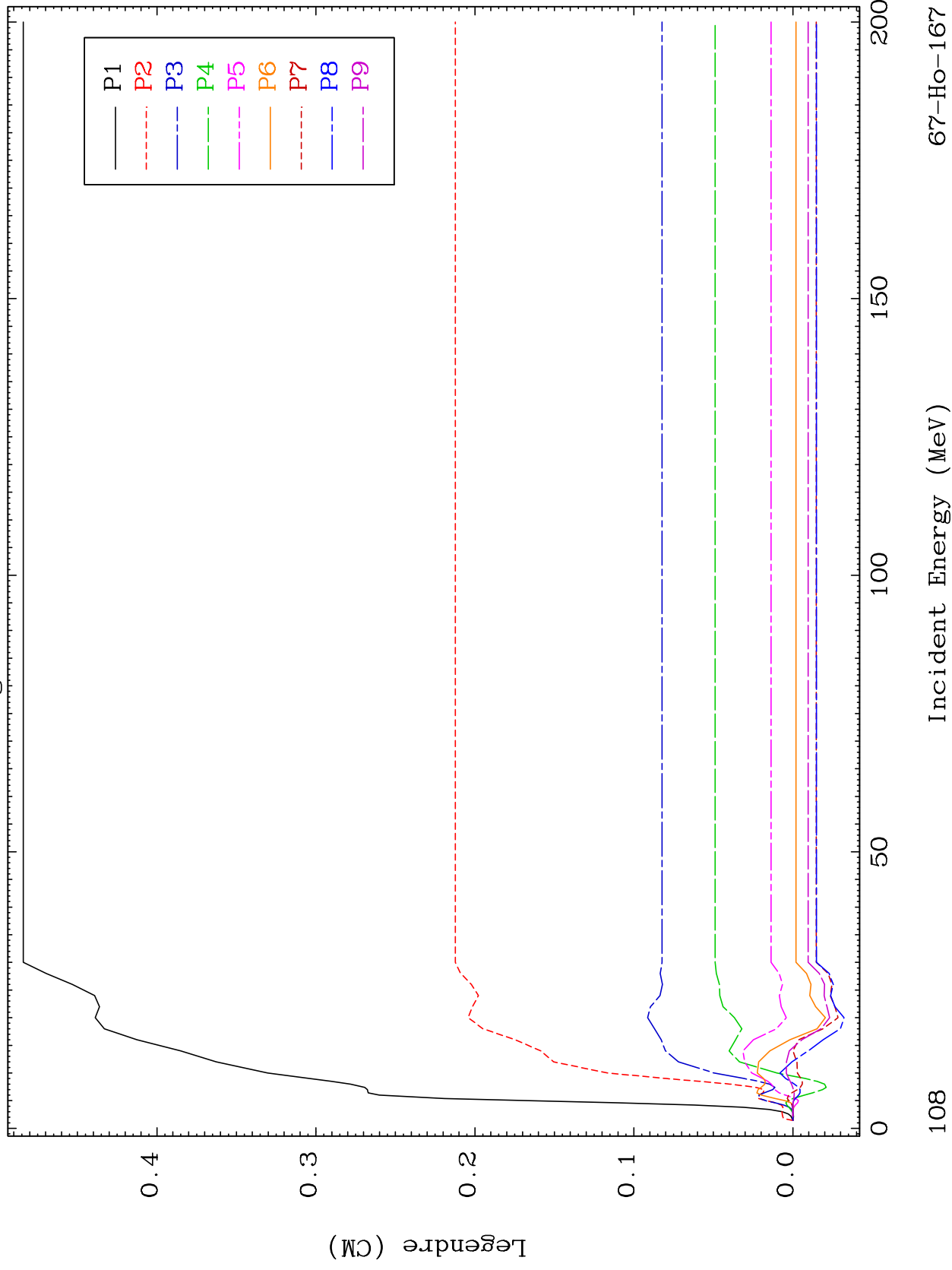


67-Ho-167

MAT 6731

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

67-Ho-167



67-Ho-167

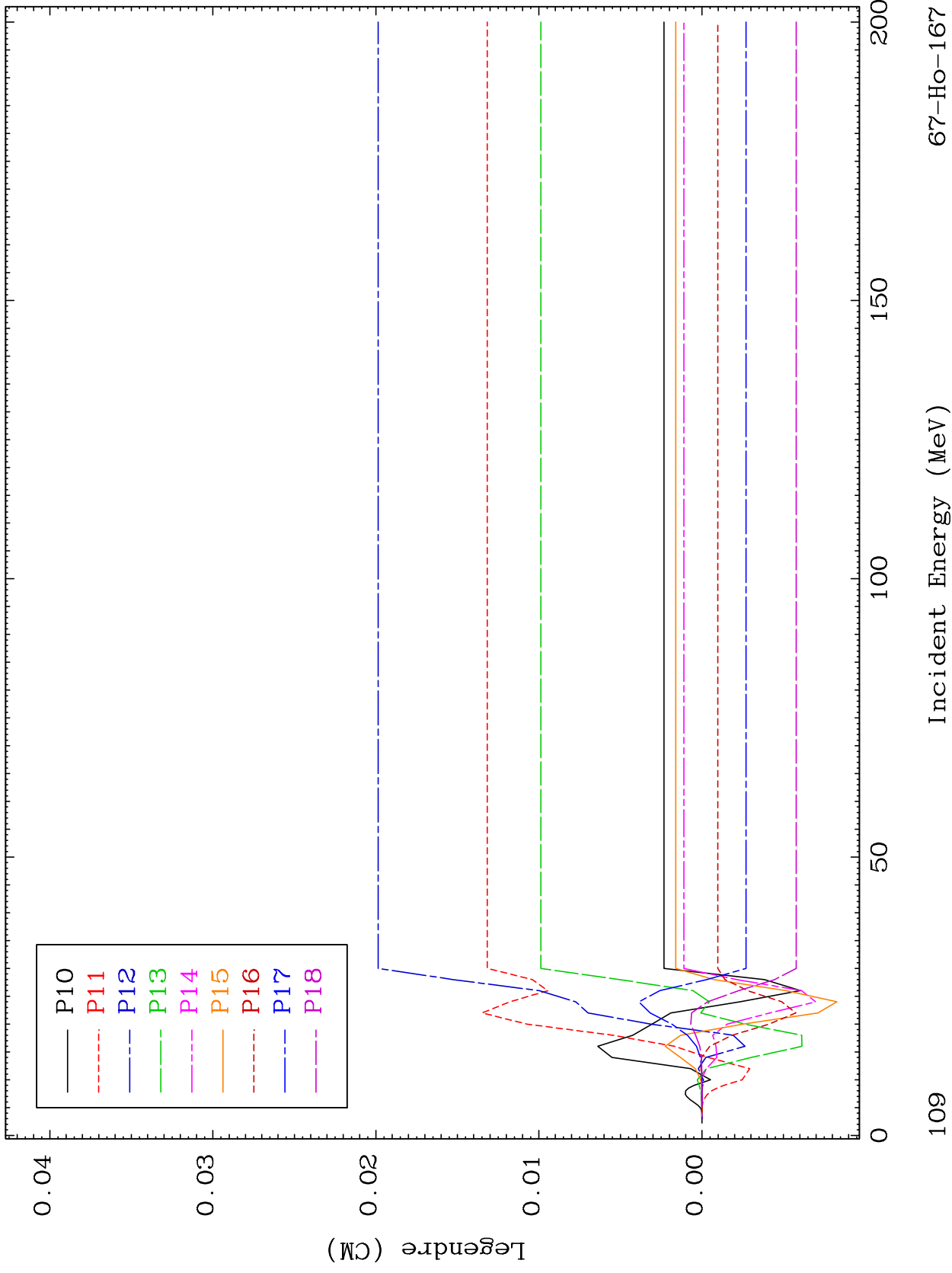
Incident Energy (MeV)

108

MAT 6731

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

67-Ho-167



109

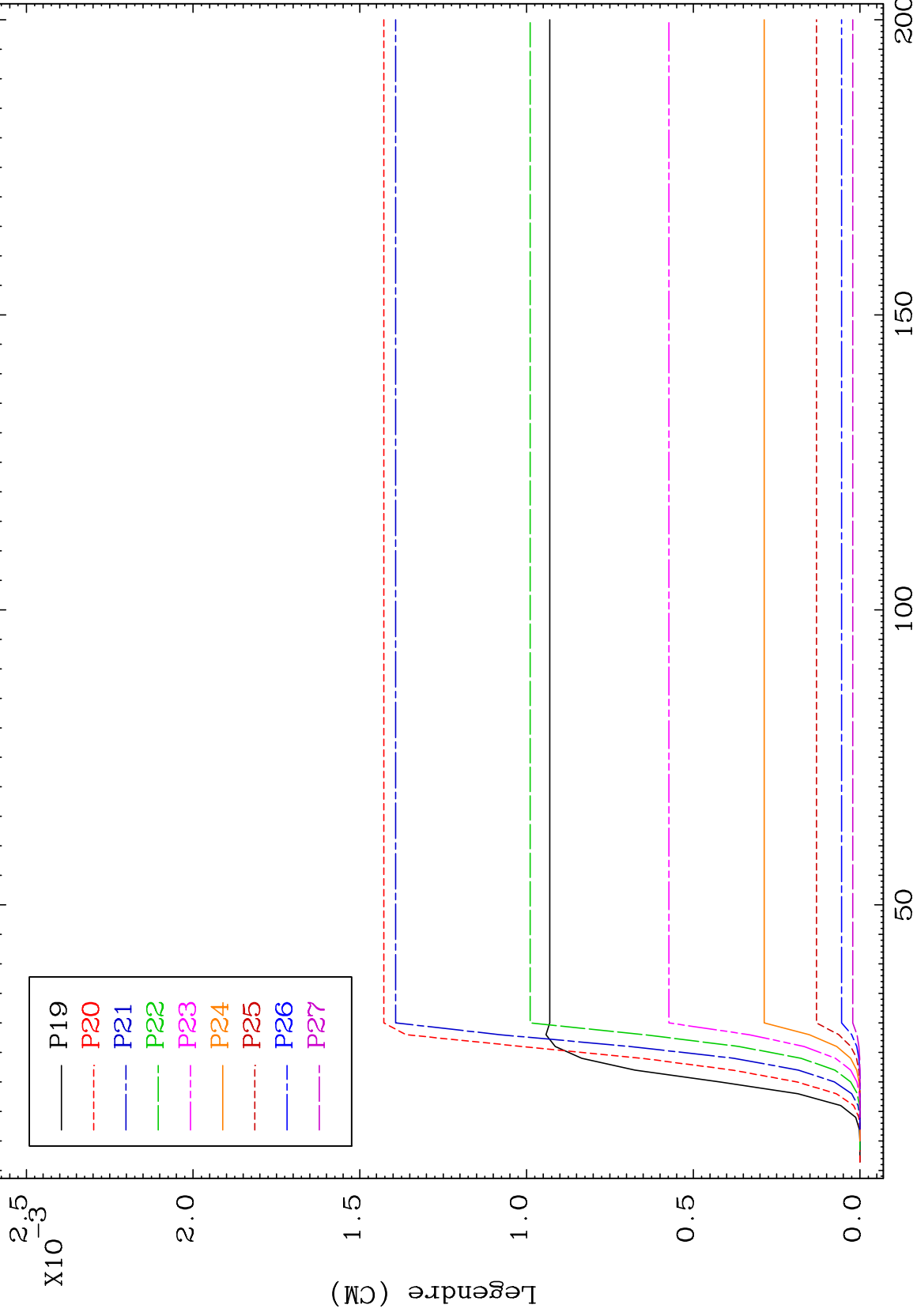
Incident Energy (MeV)

67-Ho-167

MAT 6731

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

67-Ho-167



110

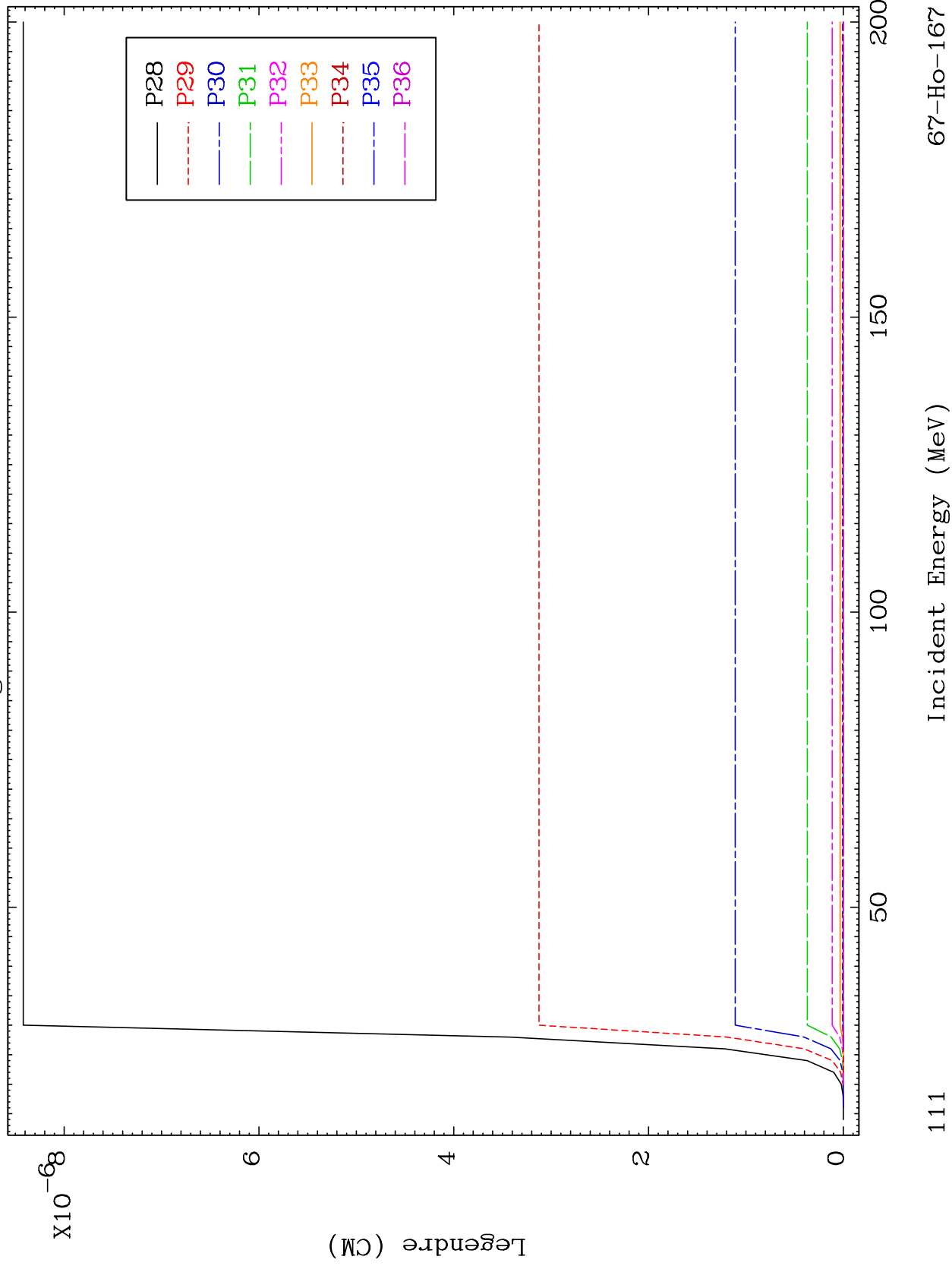
Incident Energy (MeV)

67-Ho-167

MAT 6731

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

67-Ho-167



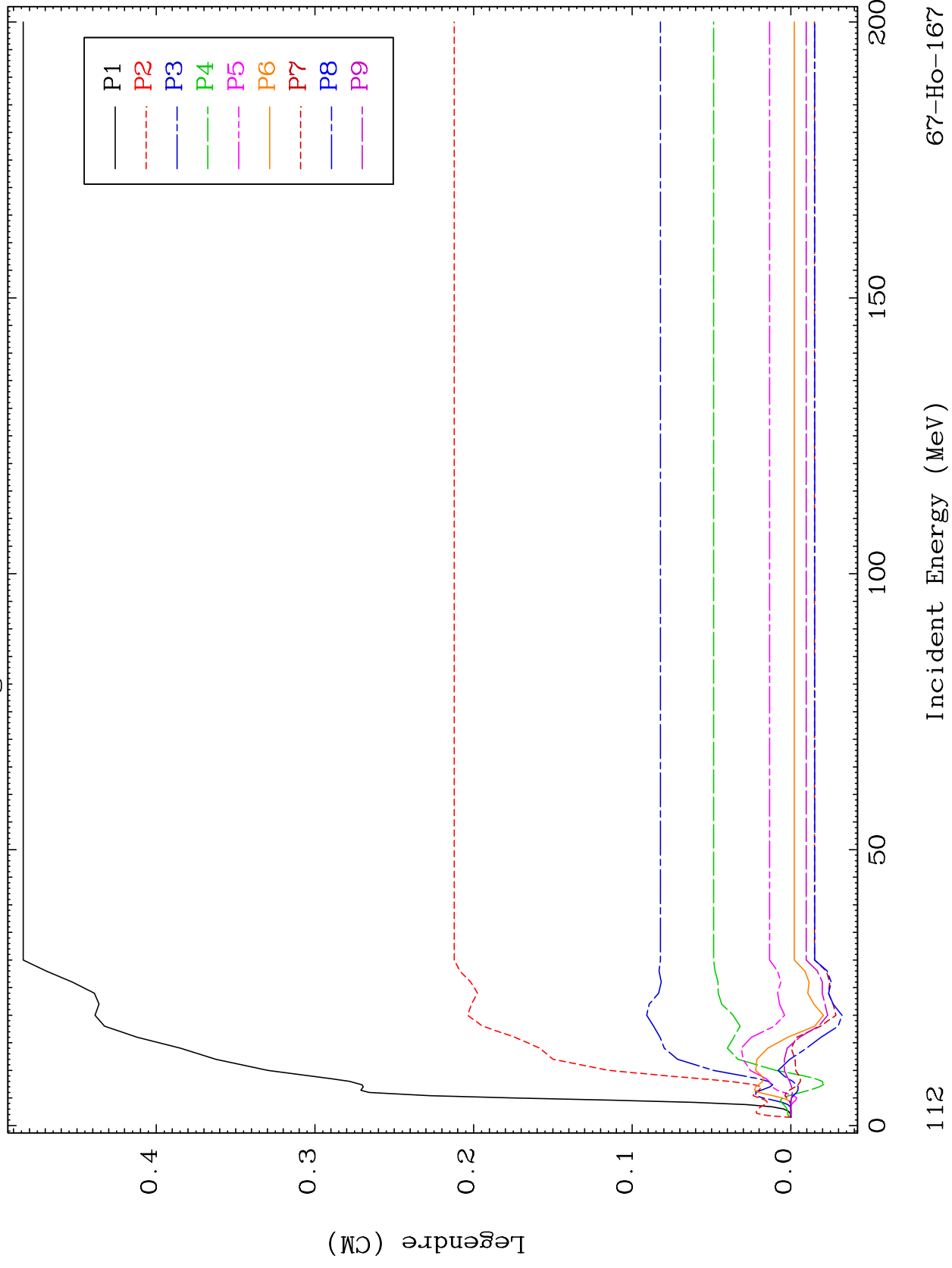
111



MAT 6731

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

67-Ho-167



67-Ho-167

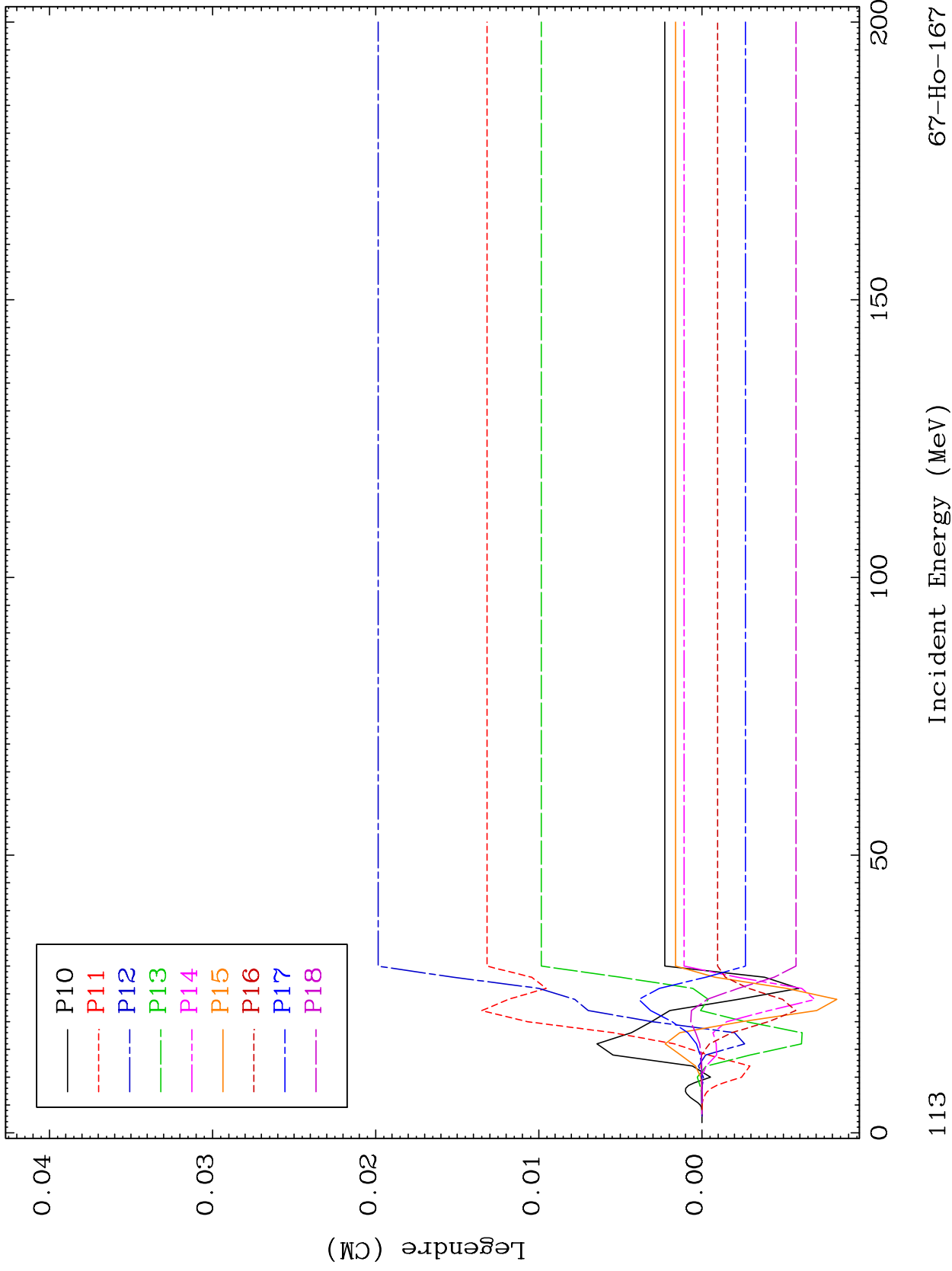
Incident Energy (MeV)

112

MAT 6731

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

67-Ho-167



113

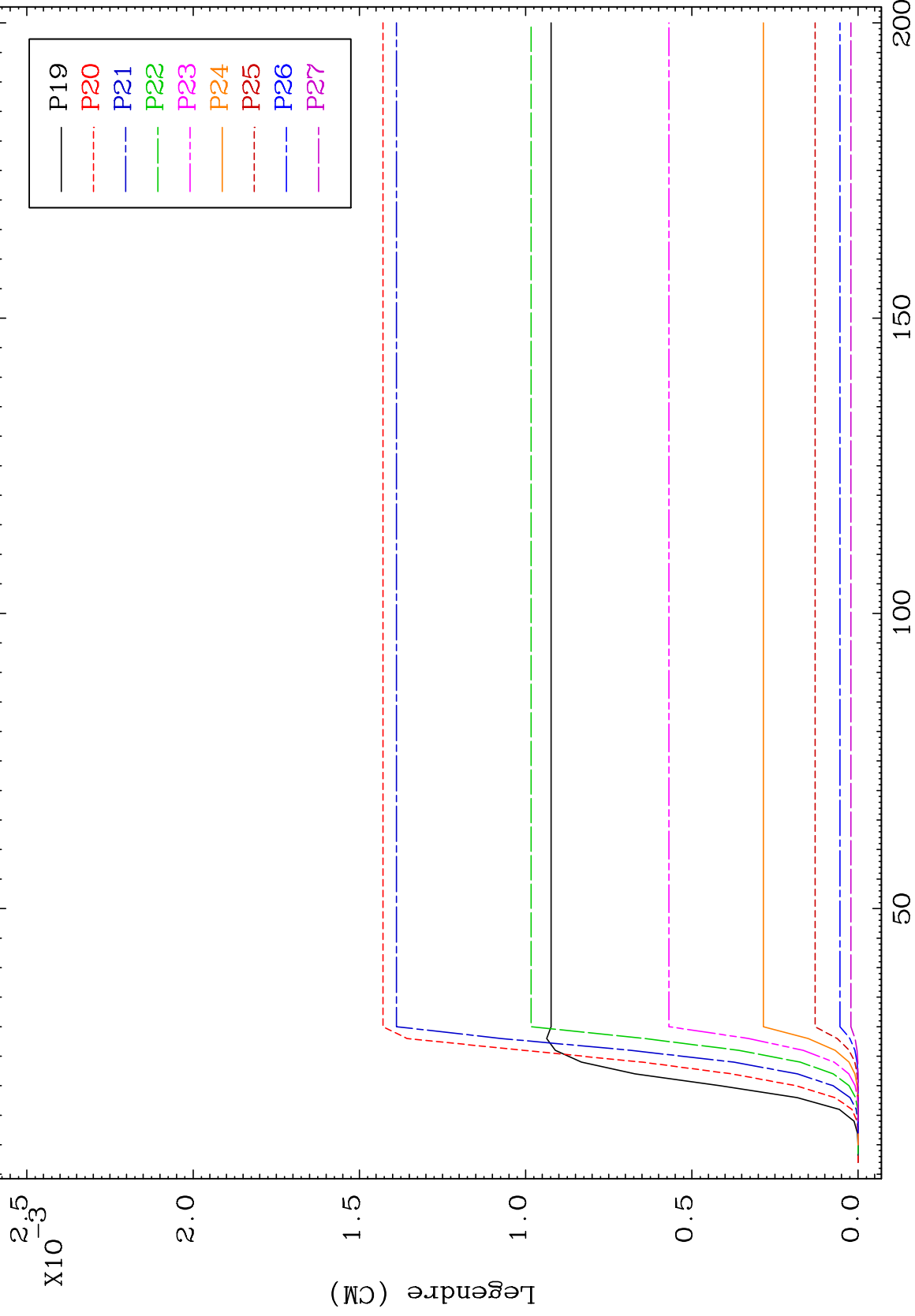
Incident Energy (MeV)

67-Ho-167

MAT 6731

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

67-Ho-167



114

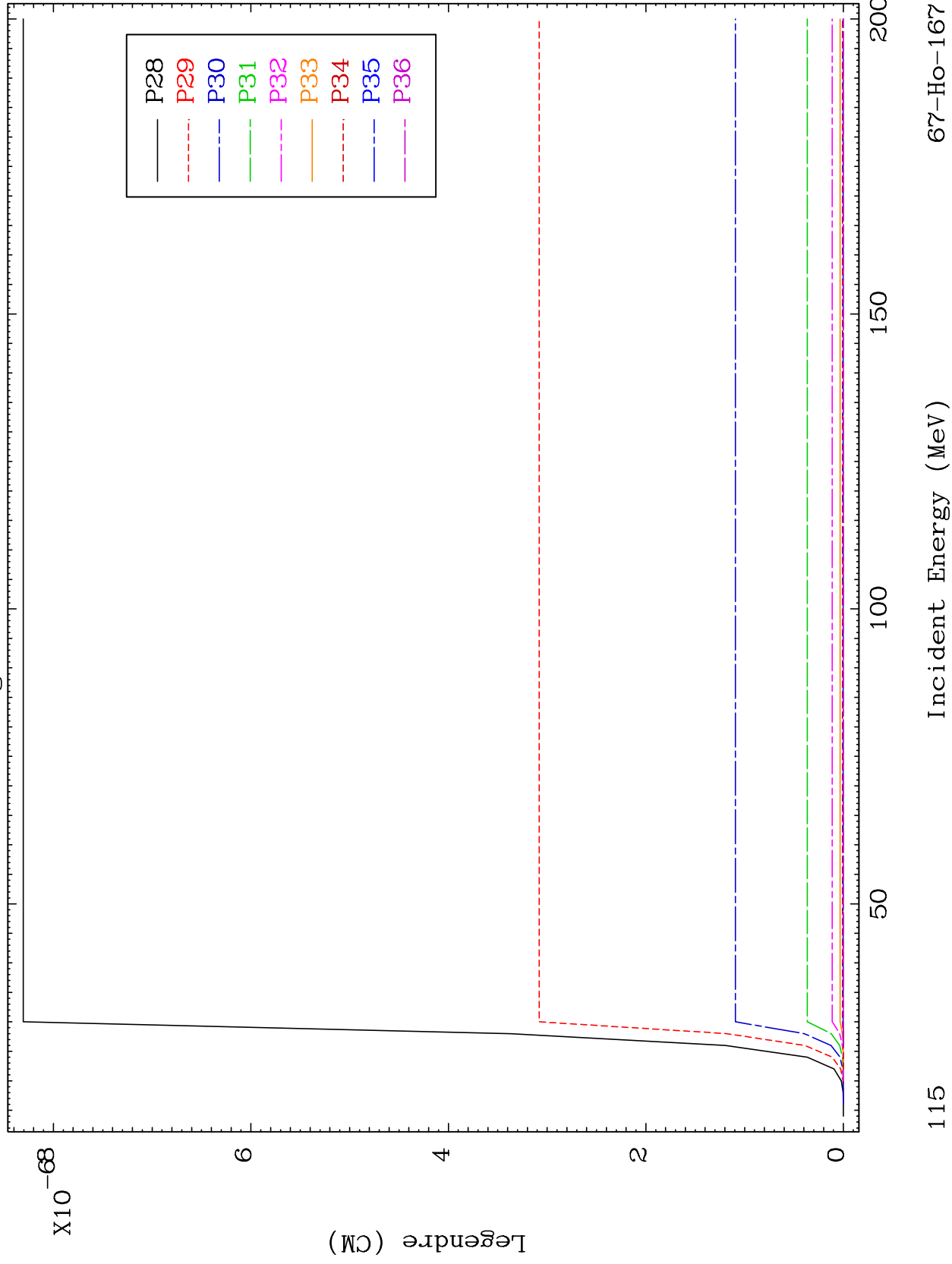
Incident Energy (MeV)

67-Ho-167

MAT 6731

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

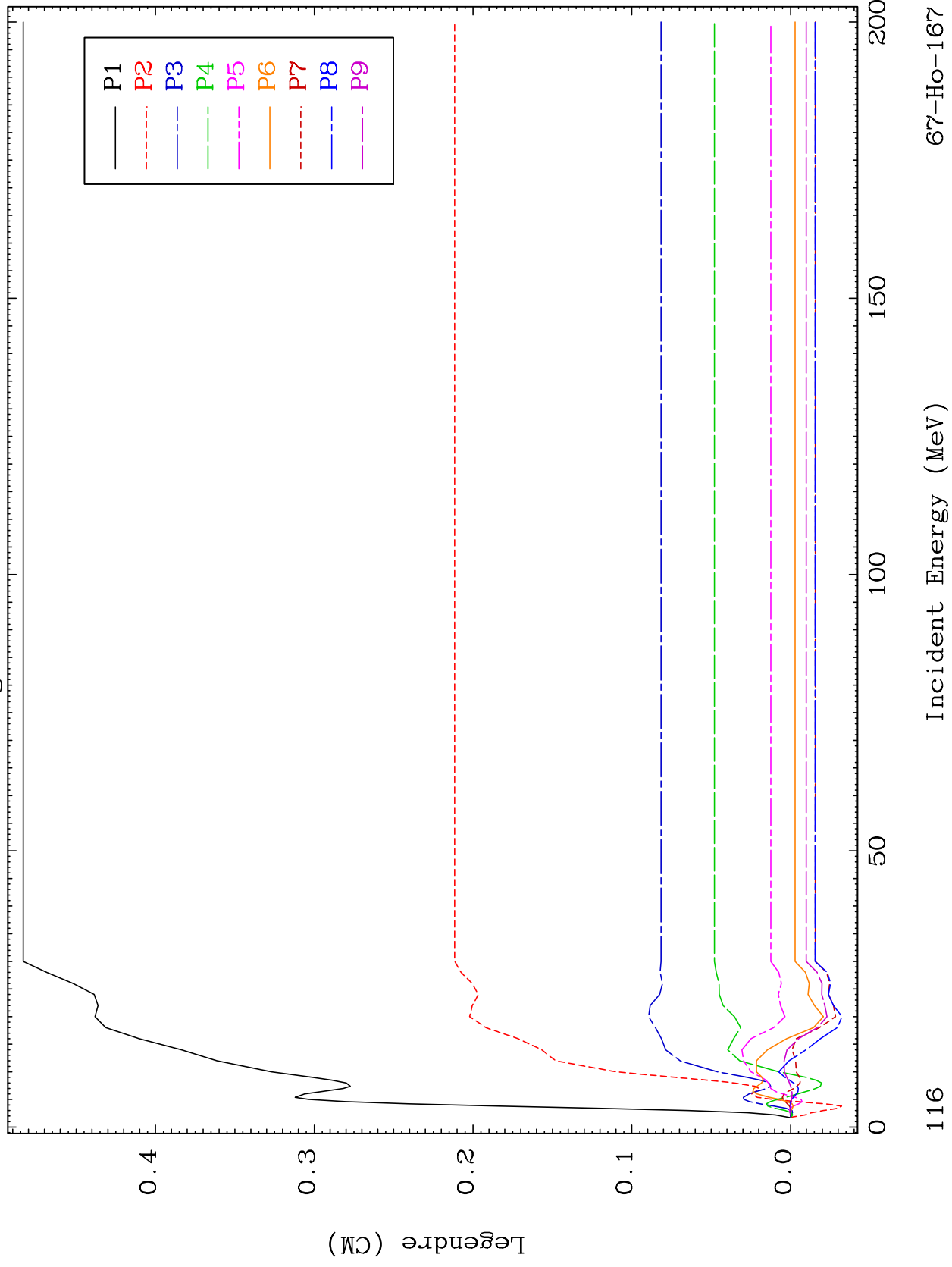
67-Ho-167



MAT 6731

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

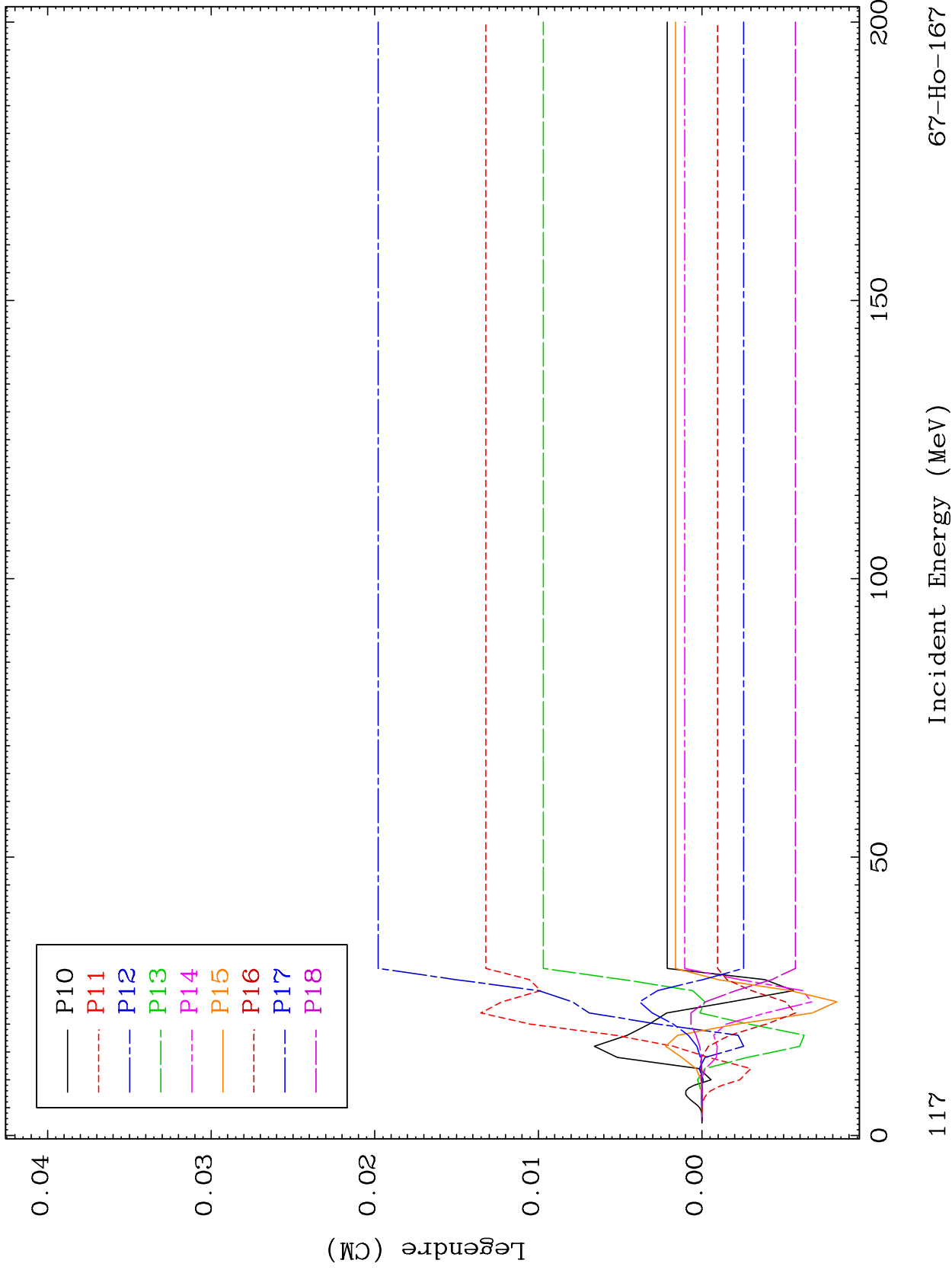
67-Ho-167

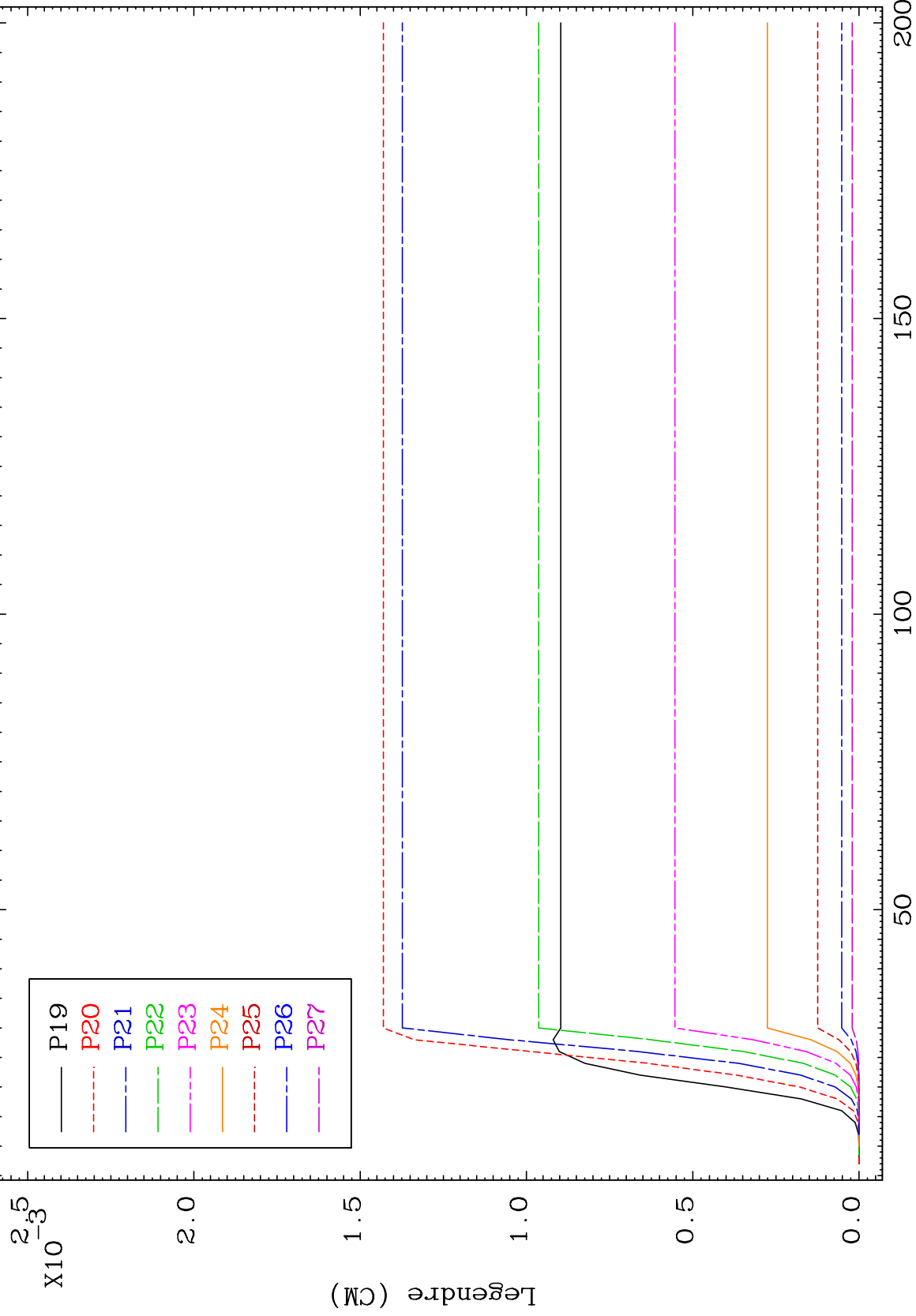


MAT 6731

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

67-Ho-167

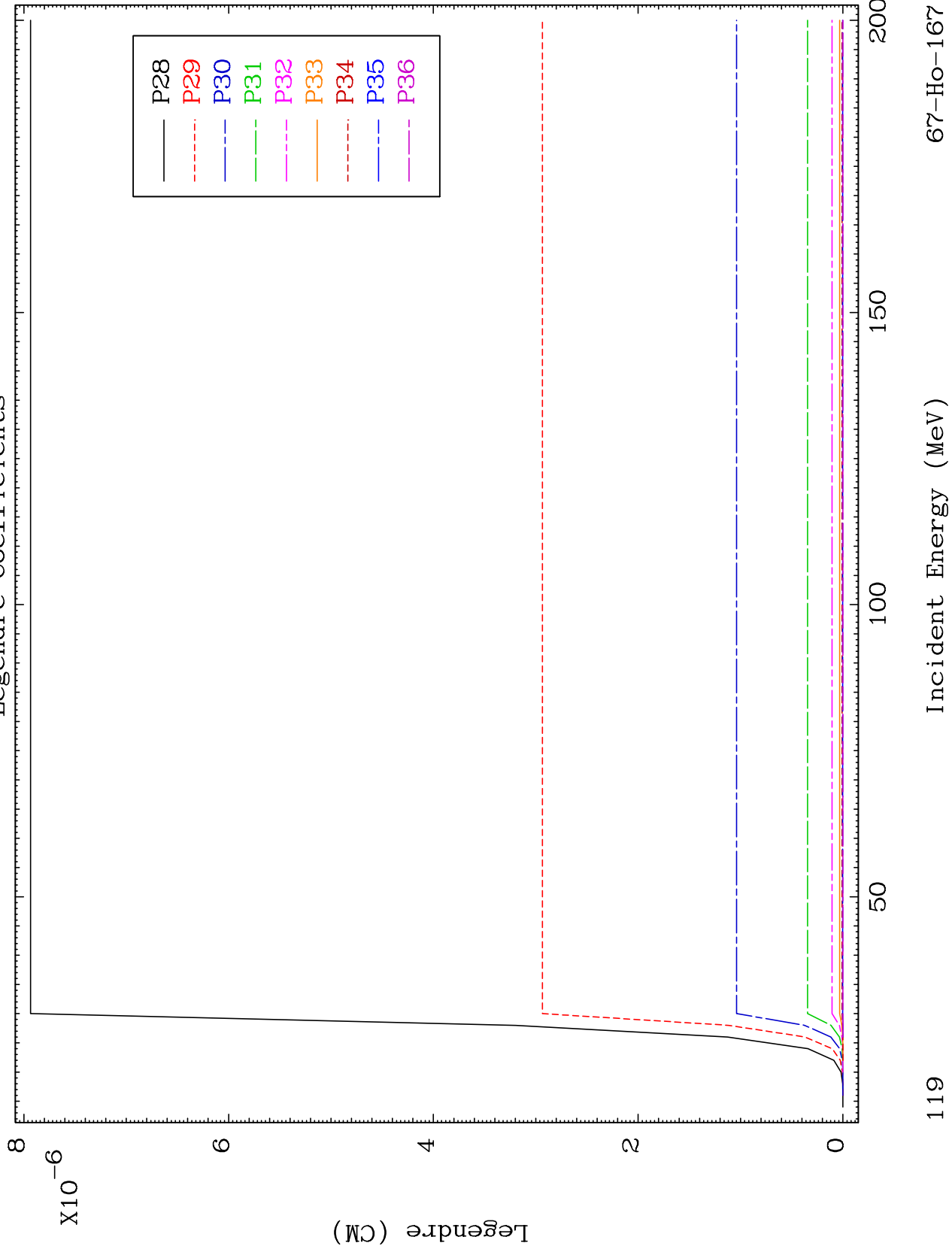




MAT 6731

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

67-Ho-167



119

Incident Energy (MeV)

67-Ho-167

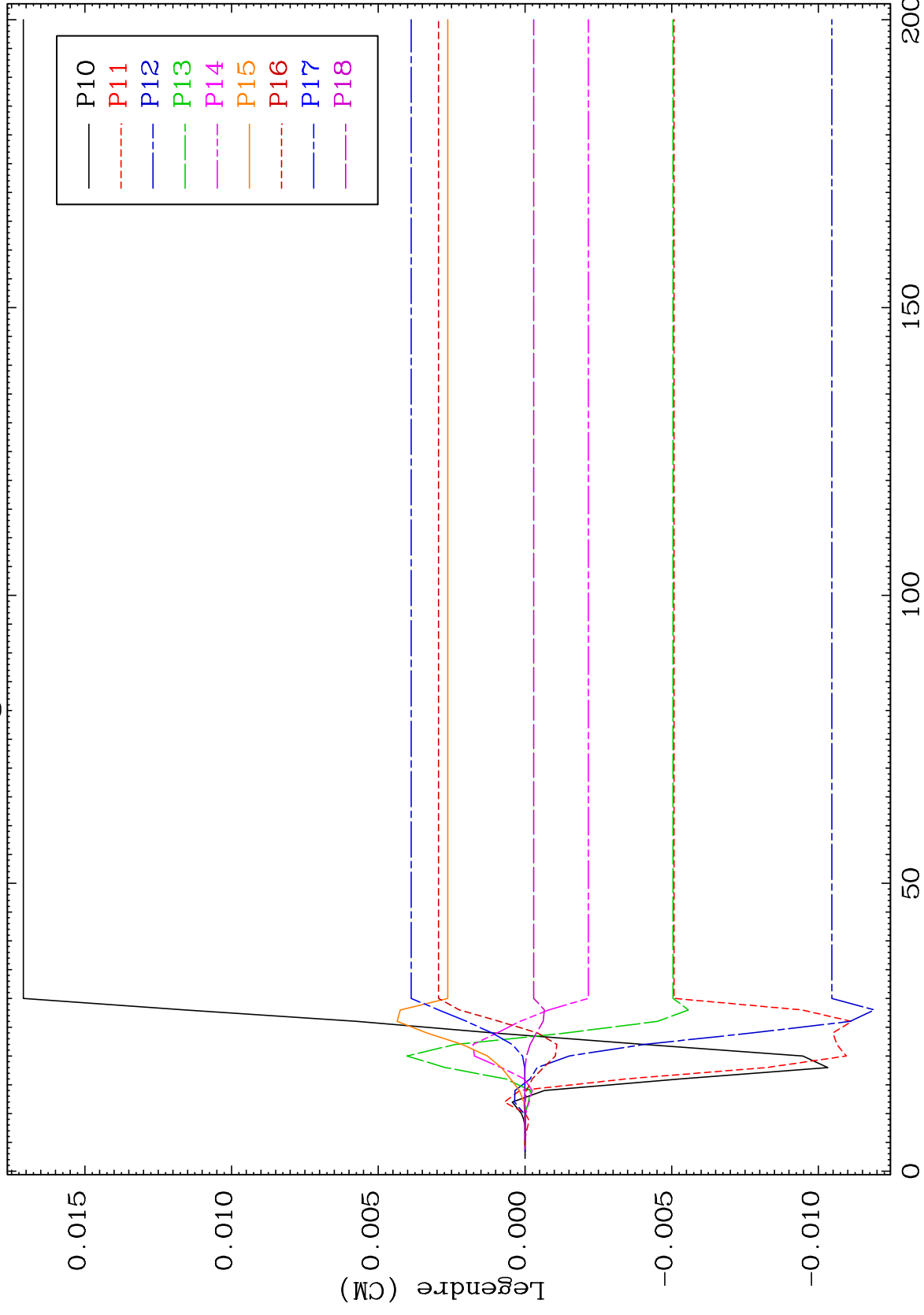




MAT 6731

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

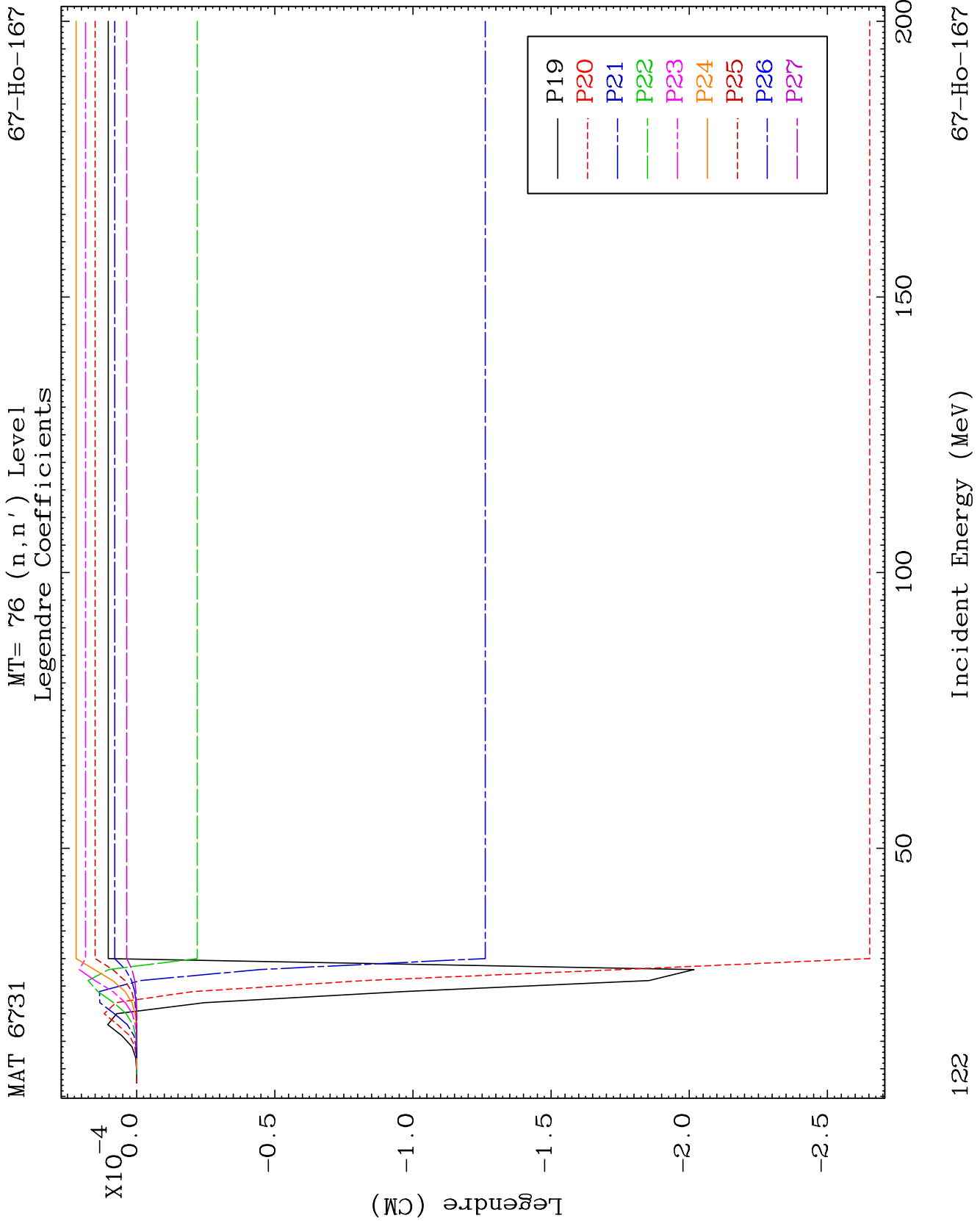
67-Ho-167



121

Incident Energy (MeV)

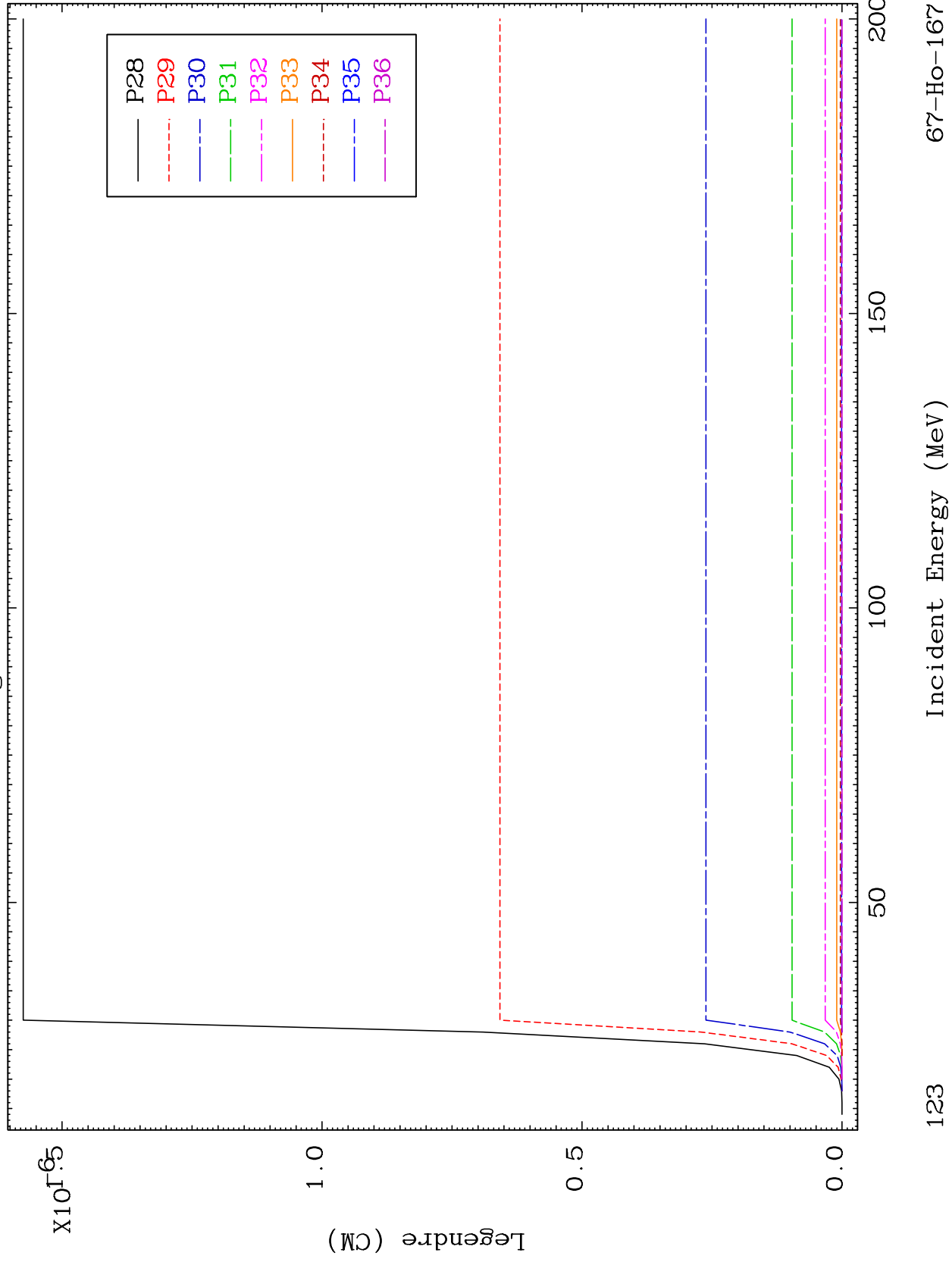
67-Ho-167



MAT 6731

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

67-Ho-167



123

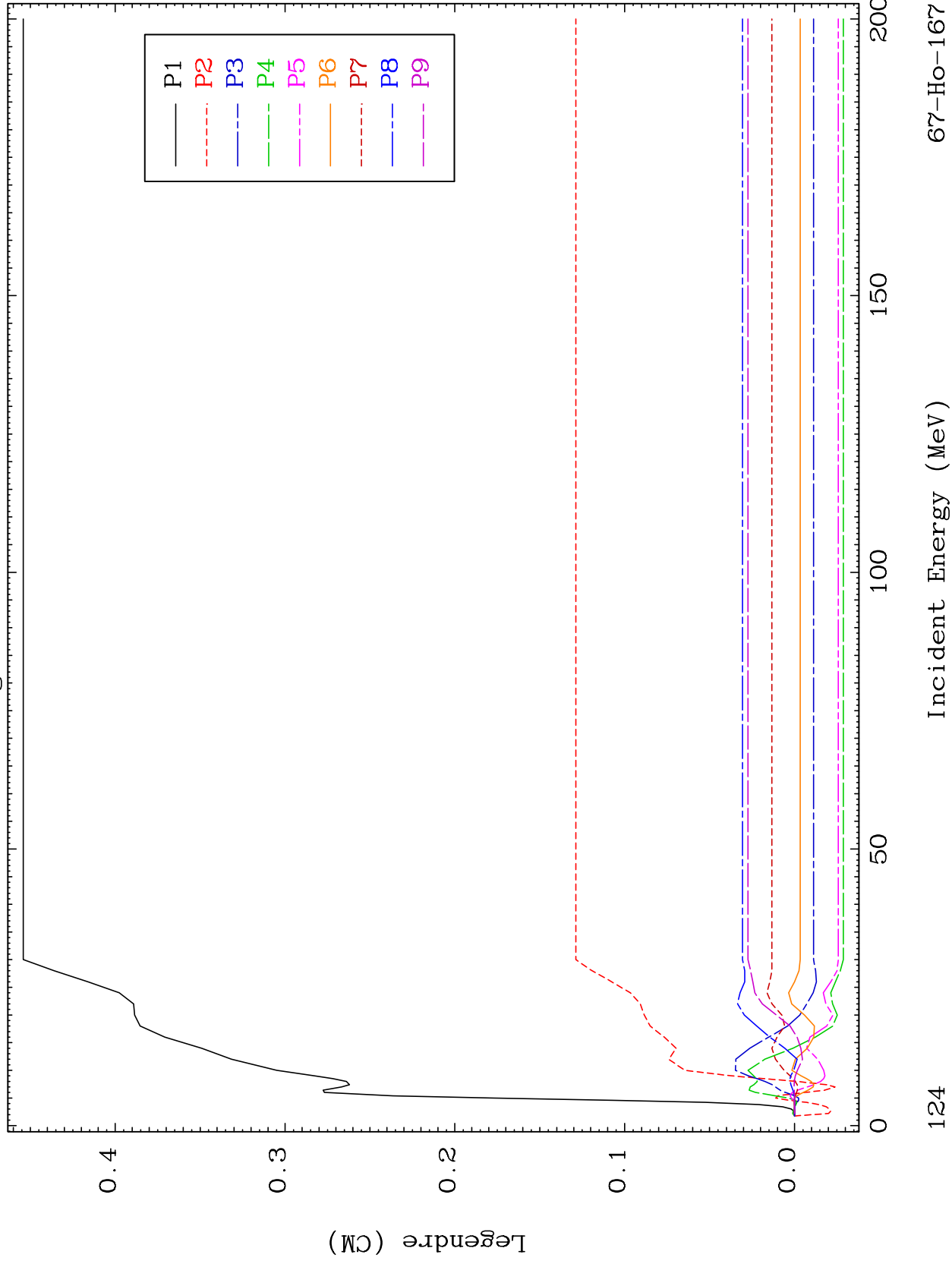
Incident Energy (MeV)

67-Ho-167

MAT 6731

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

67-Ho-167



67-Ho-167

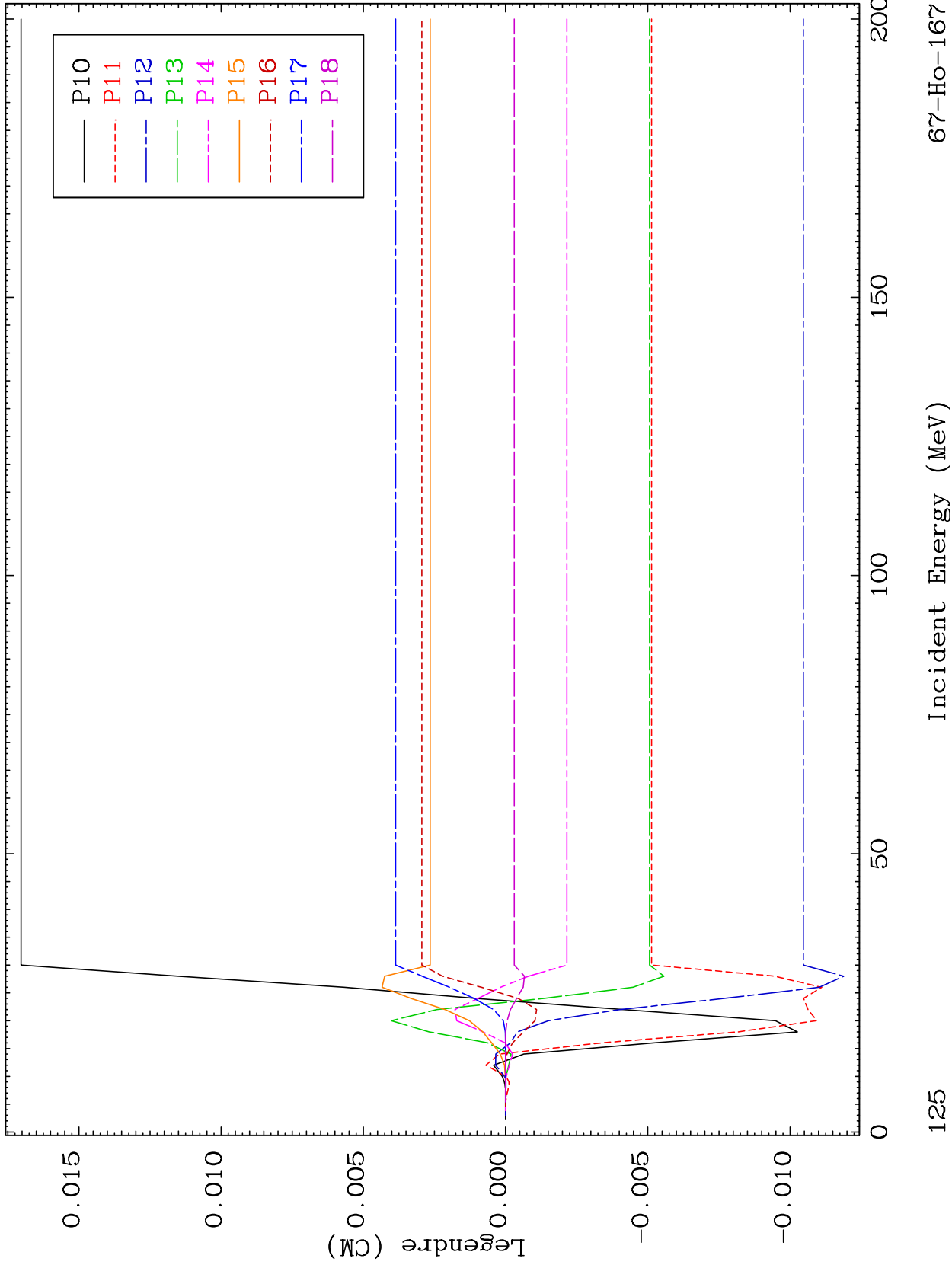
Incident Energy (MeV)

124

MAT 6731

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

67-Ho-167



125

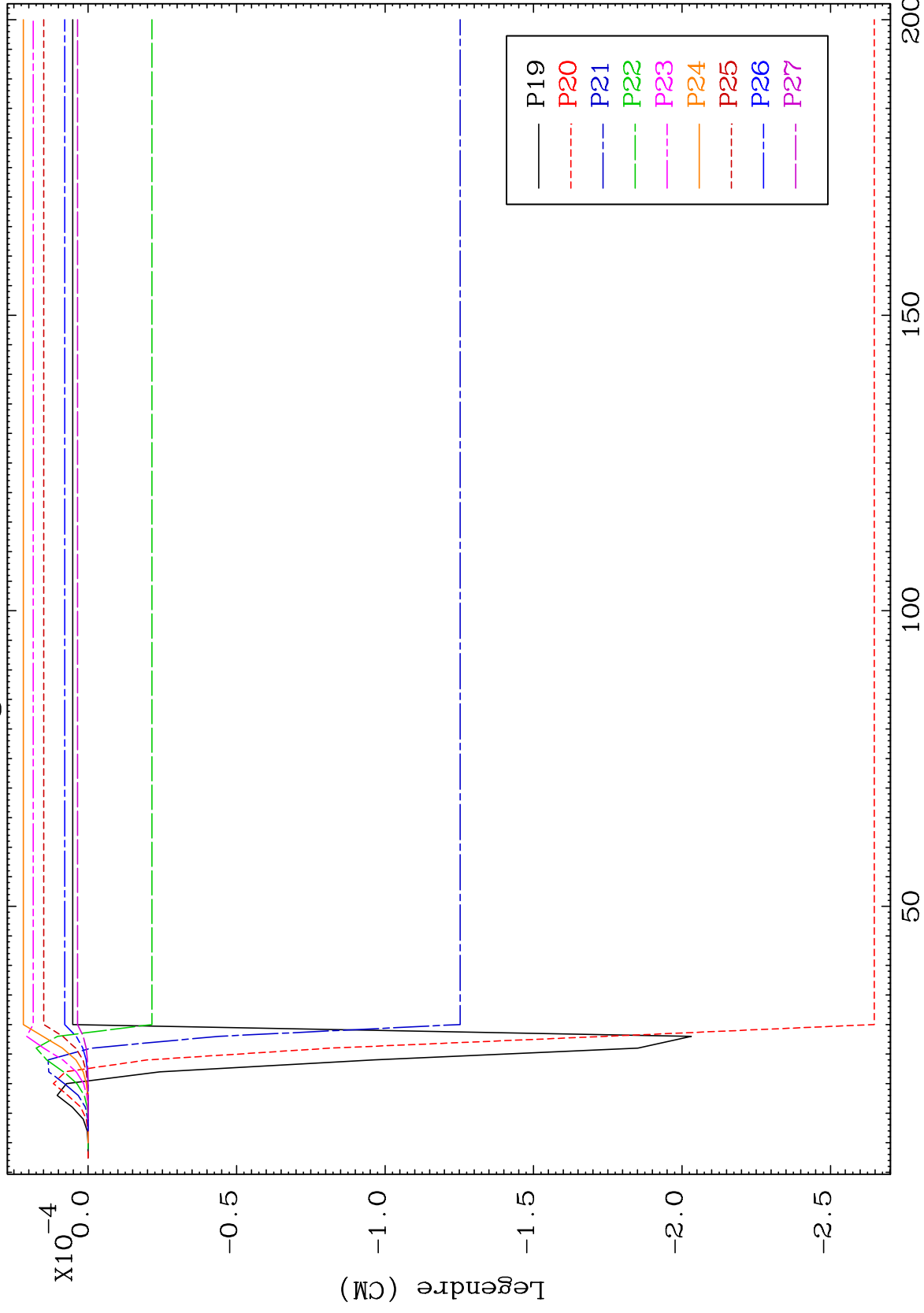
Incident Energy (MeV)

67-Ho-167

MAT 6731

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

67-Ho-167



126

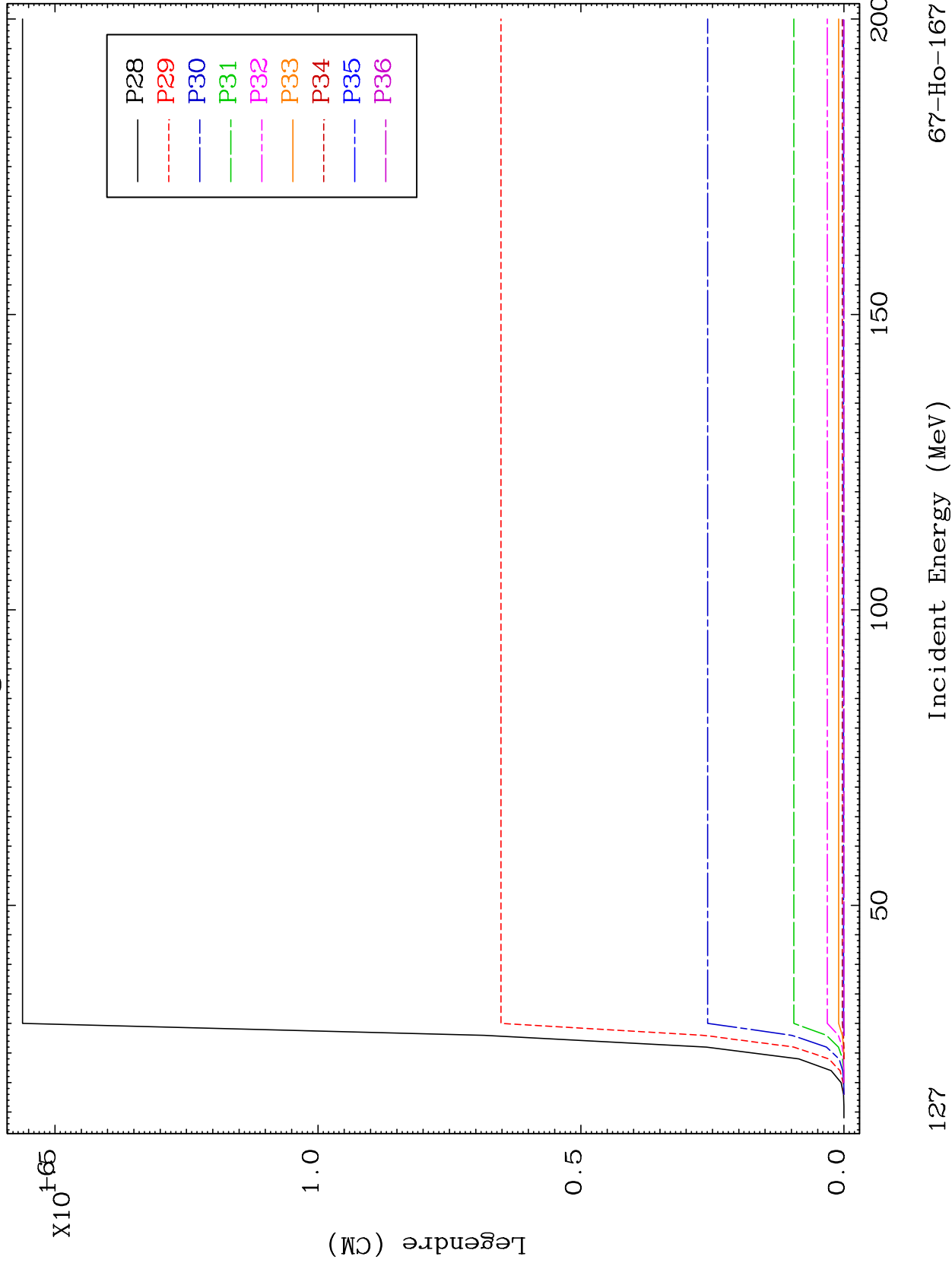
Incident Energy (MeV)

67-Ho-167

MAT 6731

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

67-Ho-167

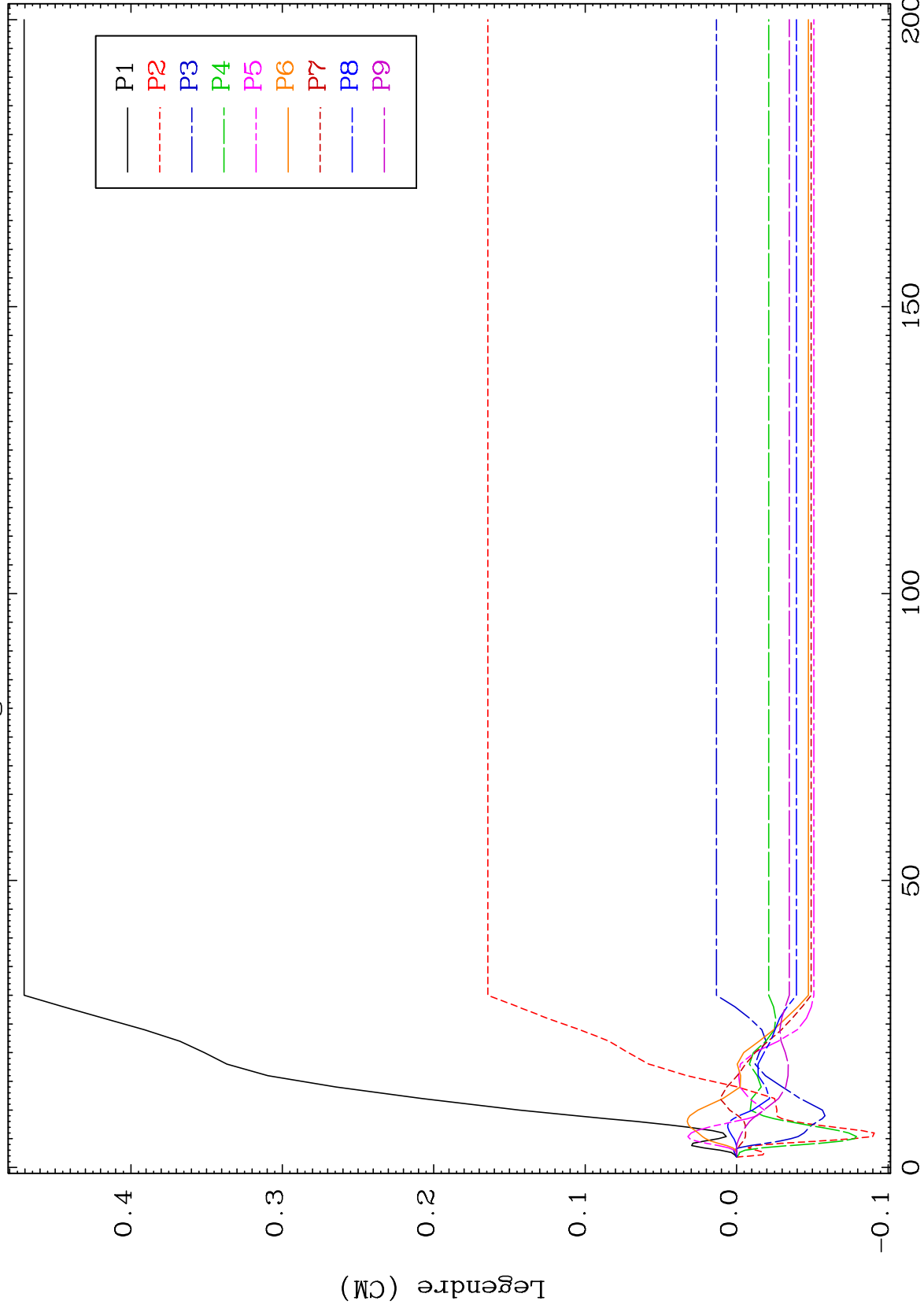




MAT 6731

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

67-Ho-167



128

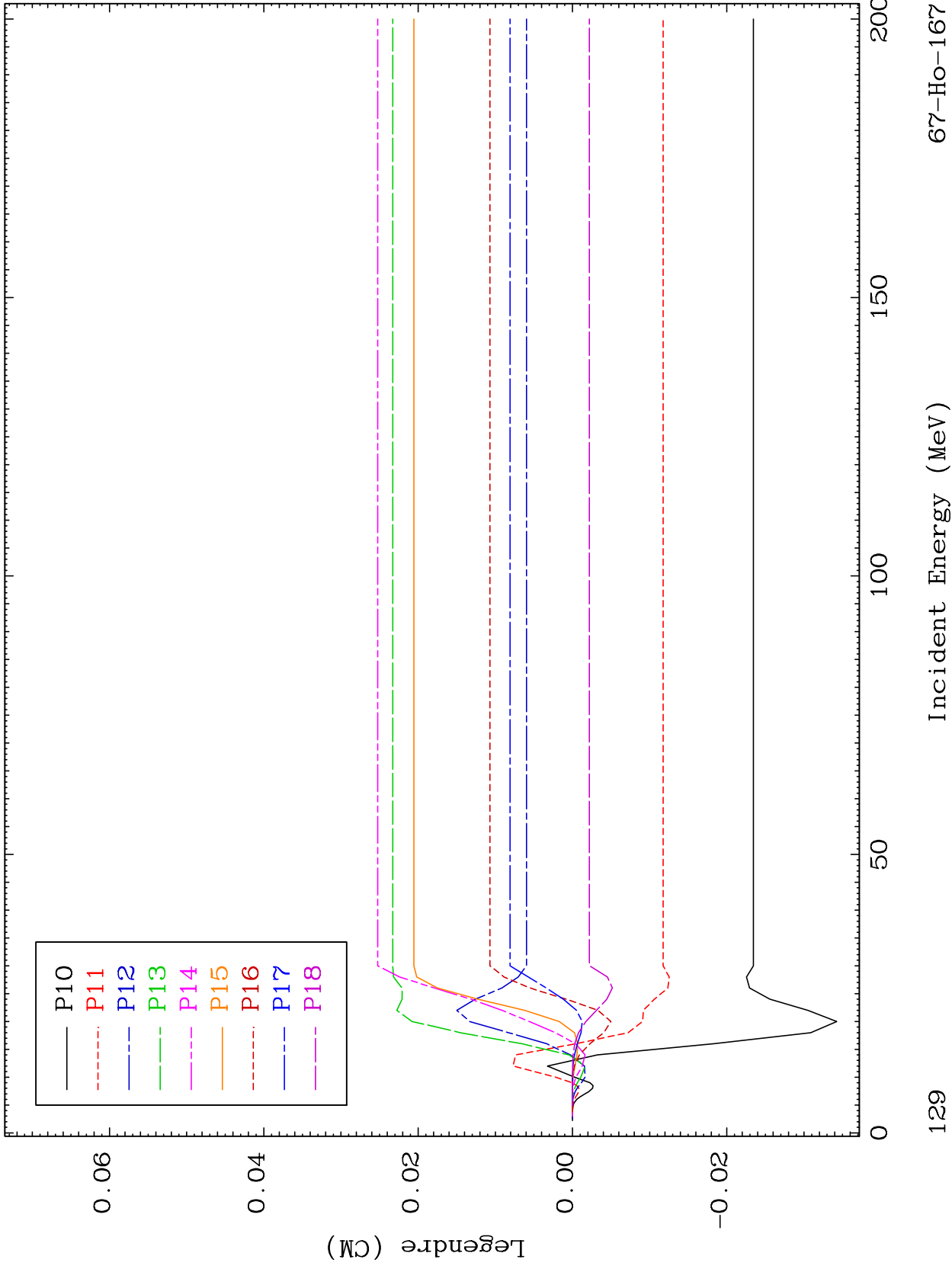
67-Ho-167

67-Ho-167

MAT 6731

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

67-Ho-167



129

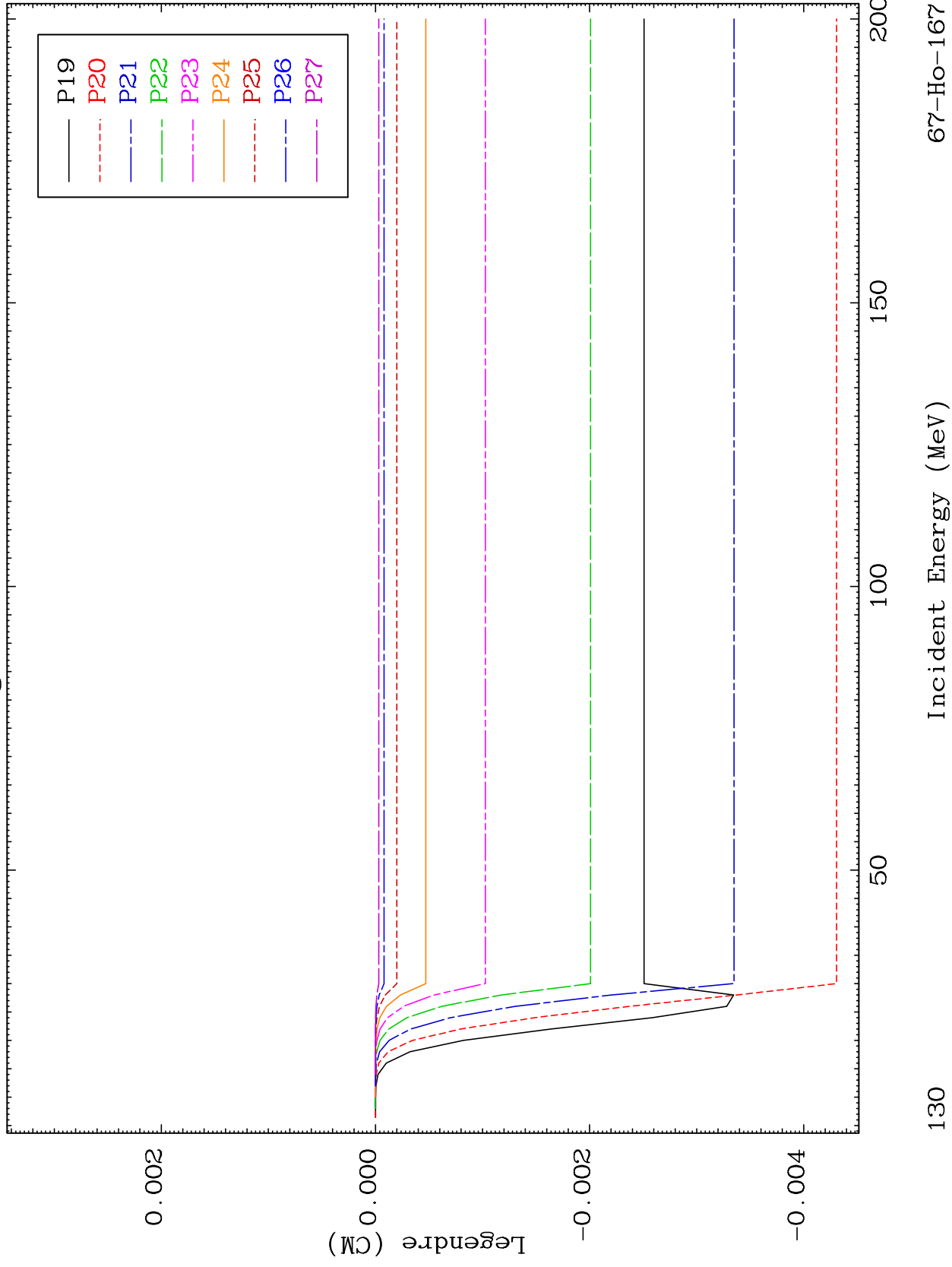
Incident Energy (MeV)

67-Ho-167

MAT 6731

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

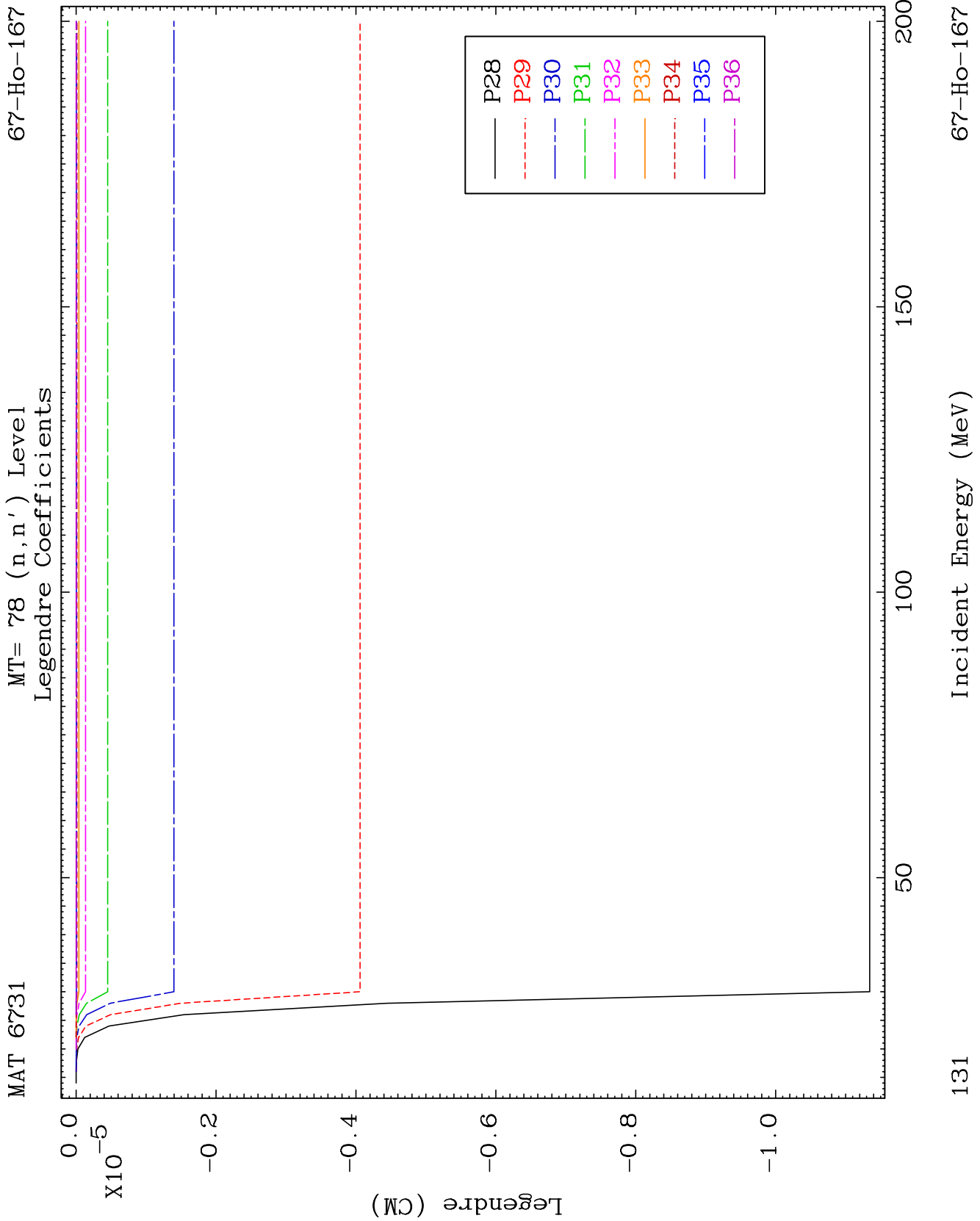
67-Ho-167



130

Incident Energy (MeV)

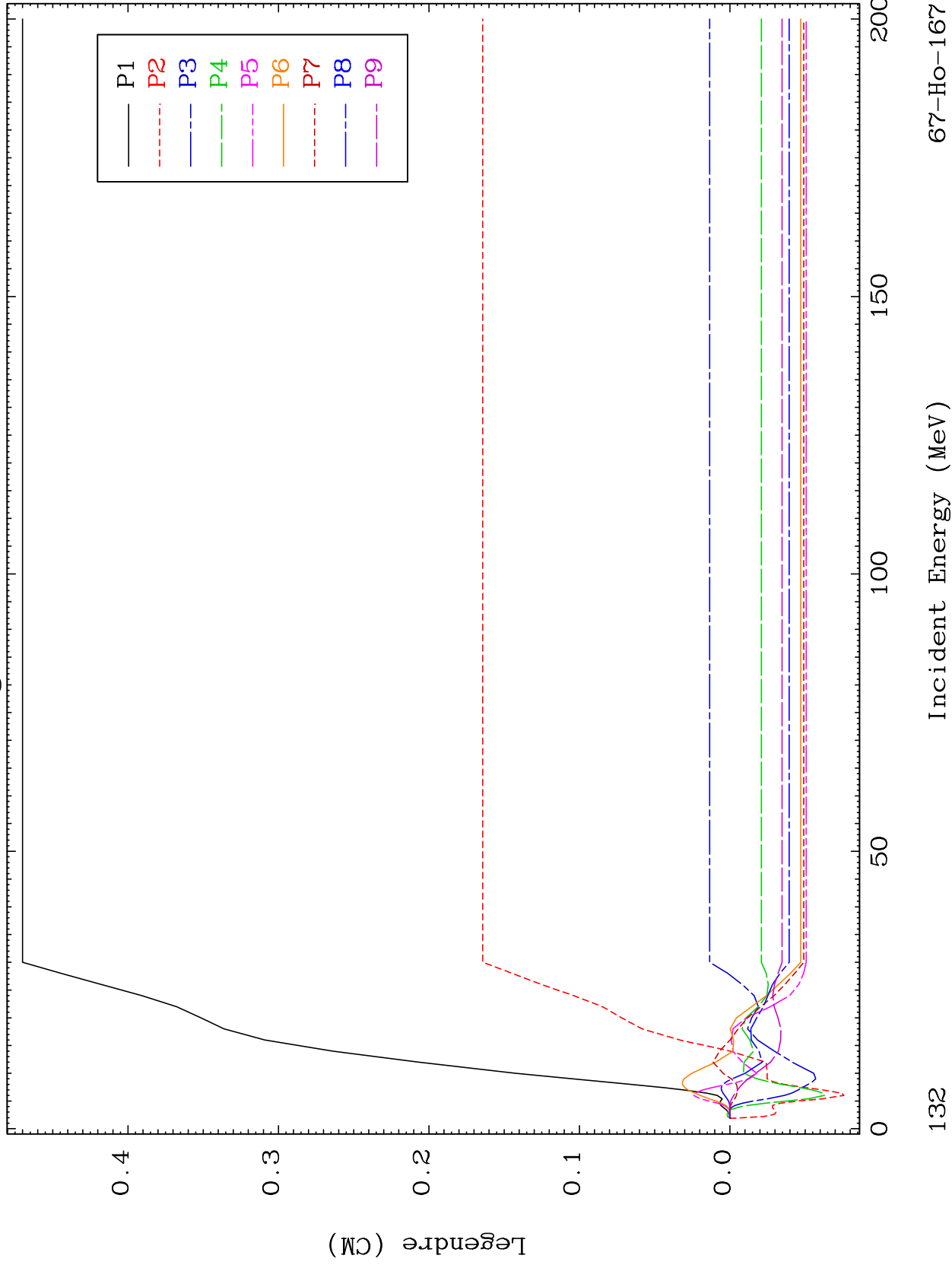
67-Ho-167



MAT 6731

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

67-Ho-167



67-Ho-167

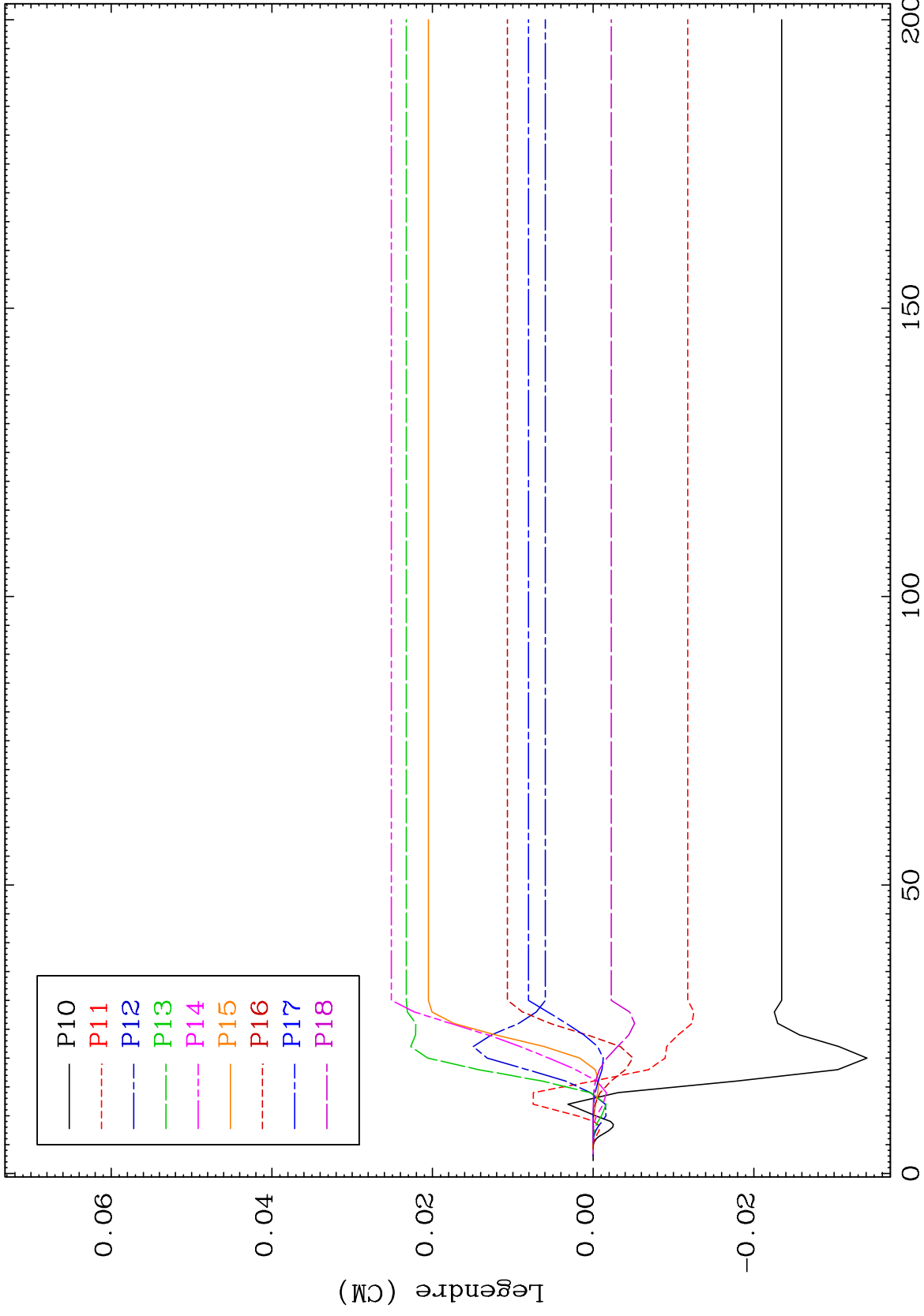
Incident Energy (MeV)

132

MAT 6731

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

67-Ho-167



133

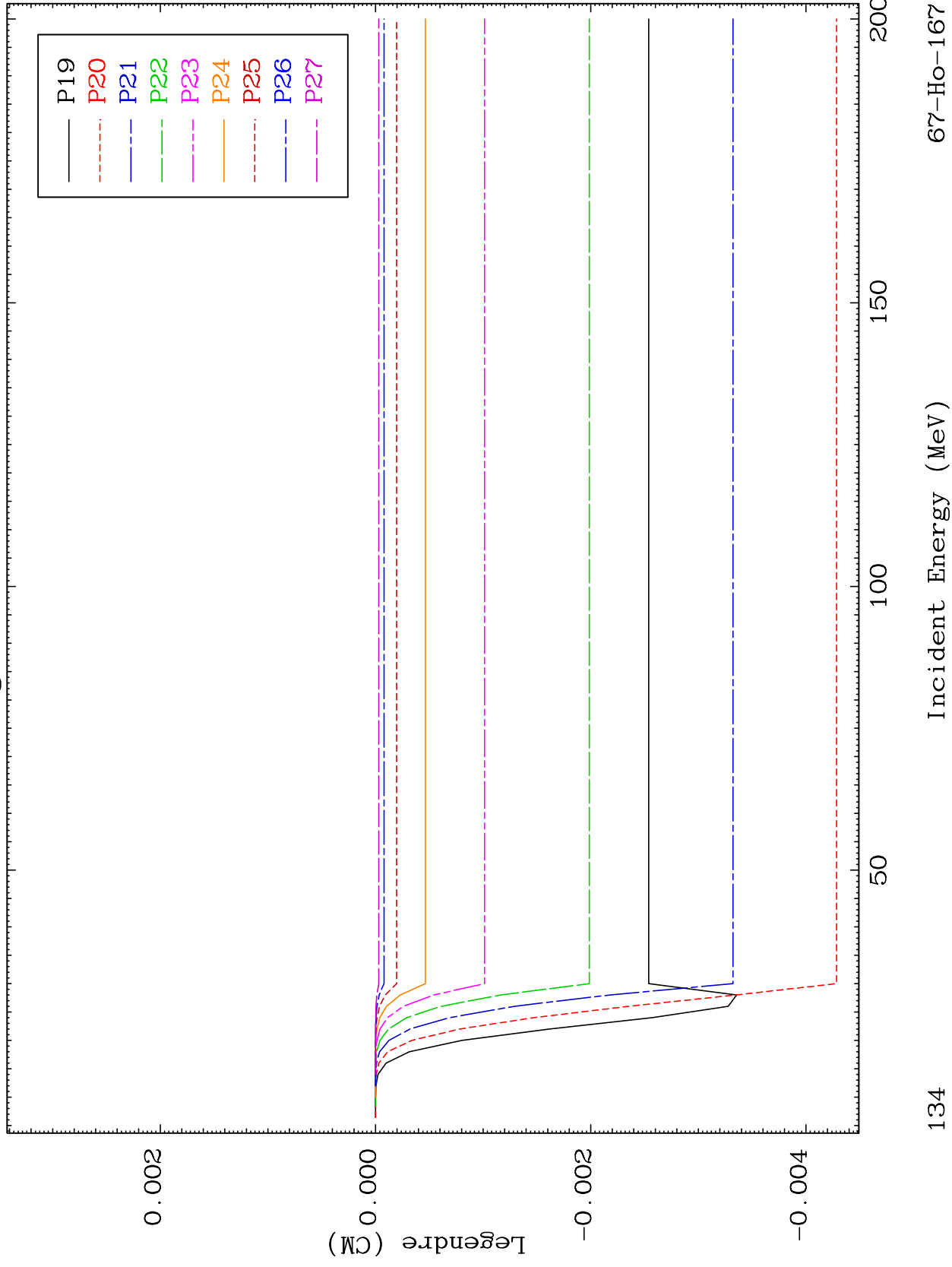
Incident Energy (MeV)

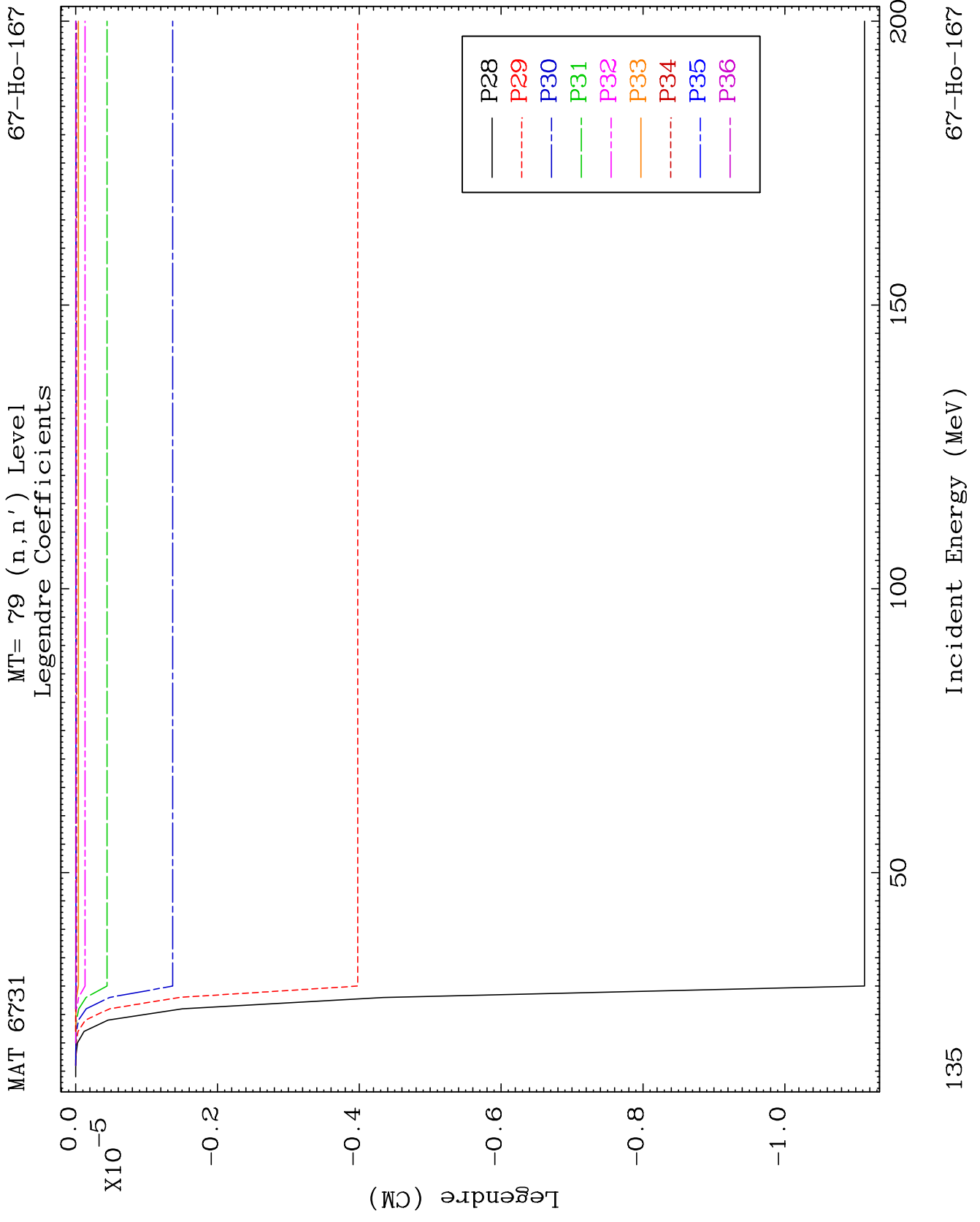
67-Ho-167

MAT 6731

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

67-Ho-167



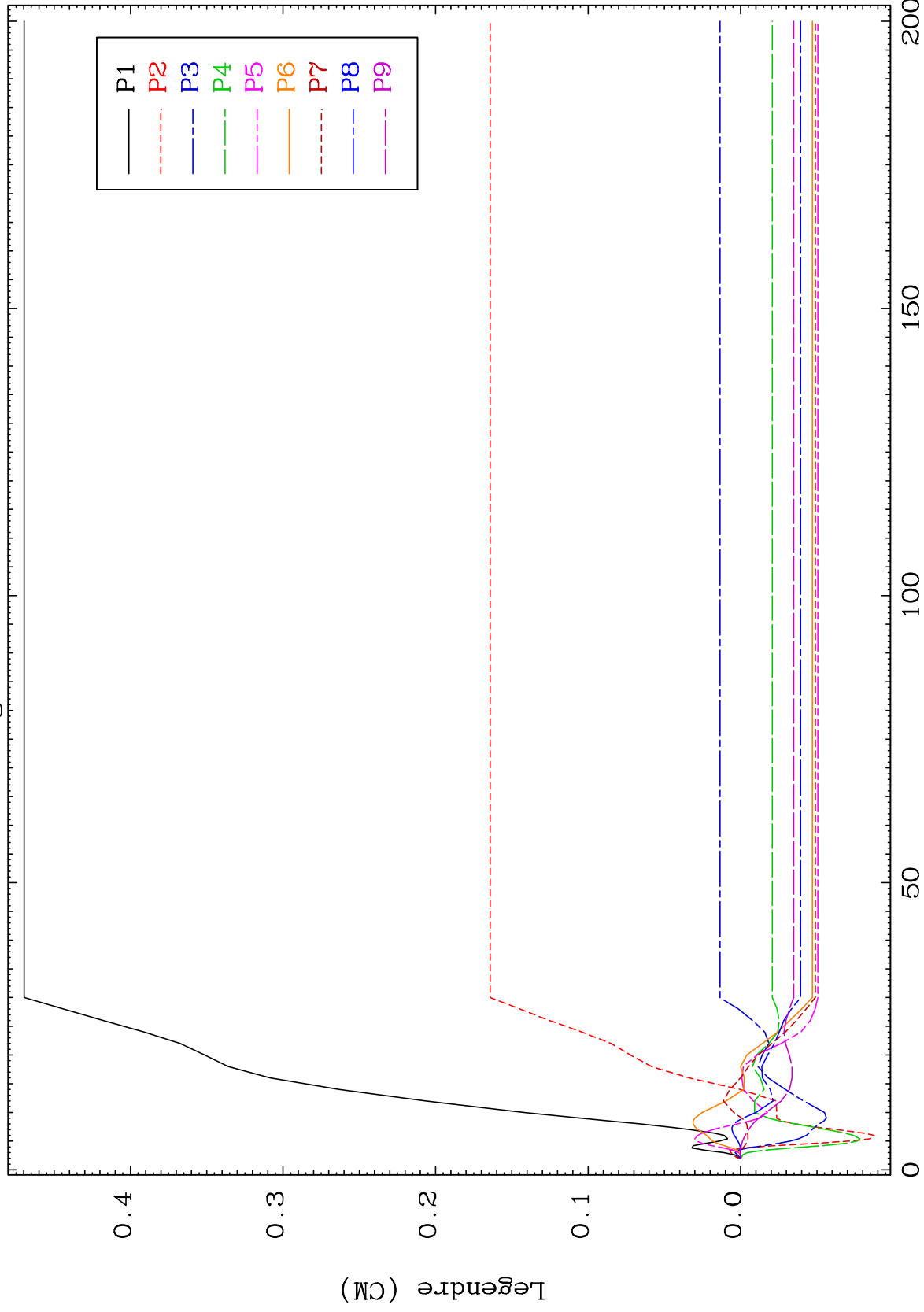




MAT 6731

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

67-Ho-167



136

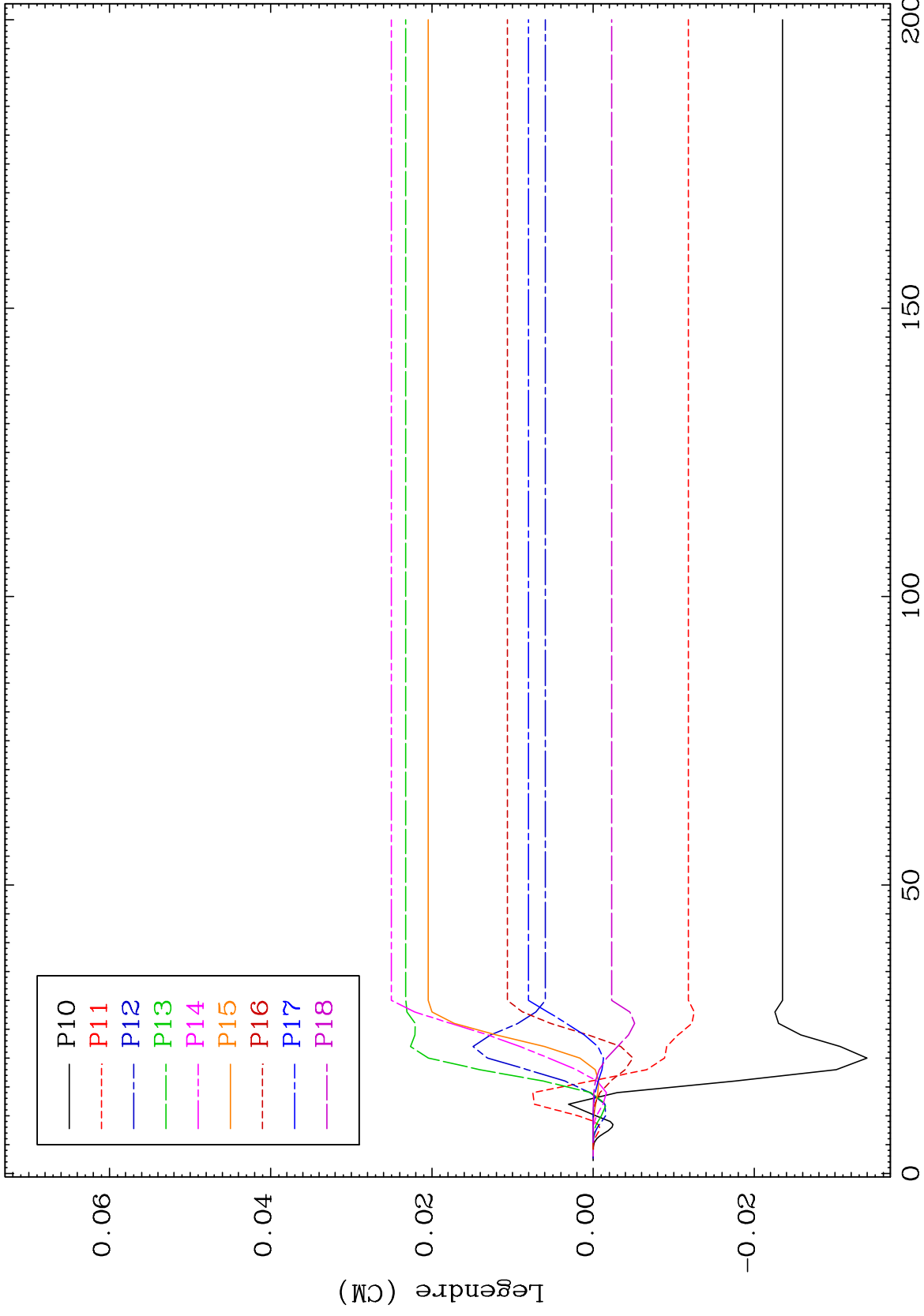
Incident Energy (MeV)

67-Ho-167

MAT 6731

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

67-Ho-167



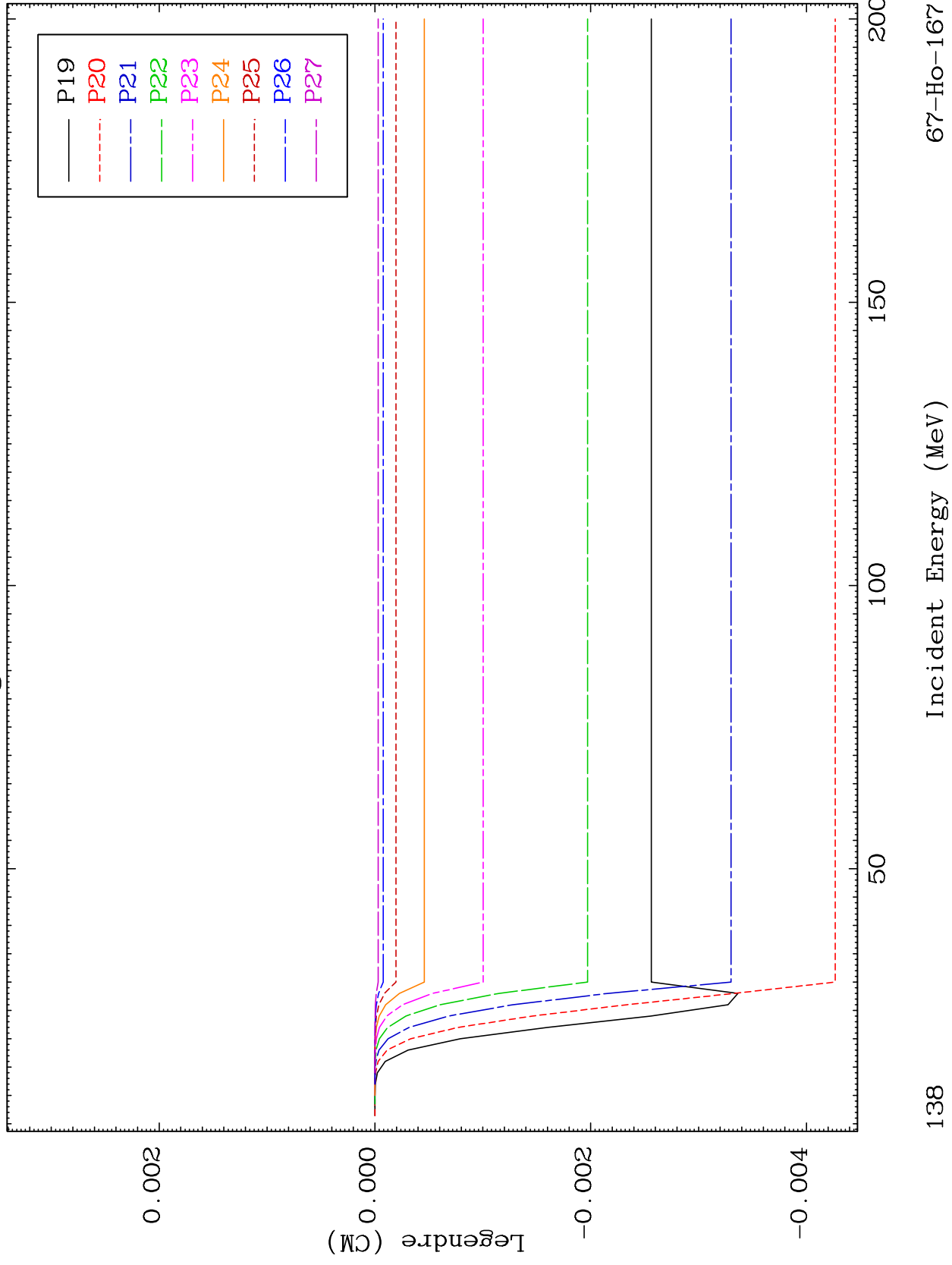
137

67-Ho-167

MAT 6731

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

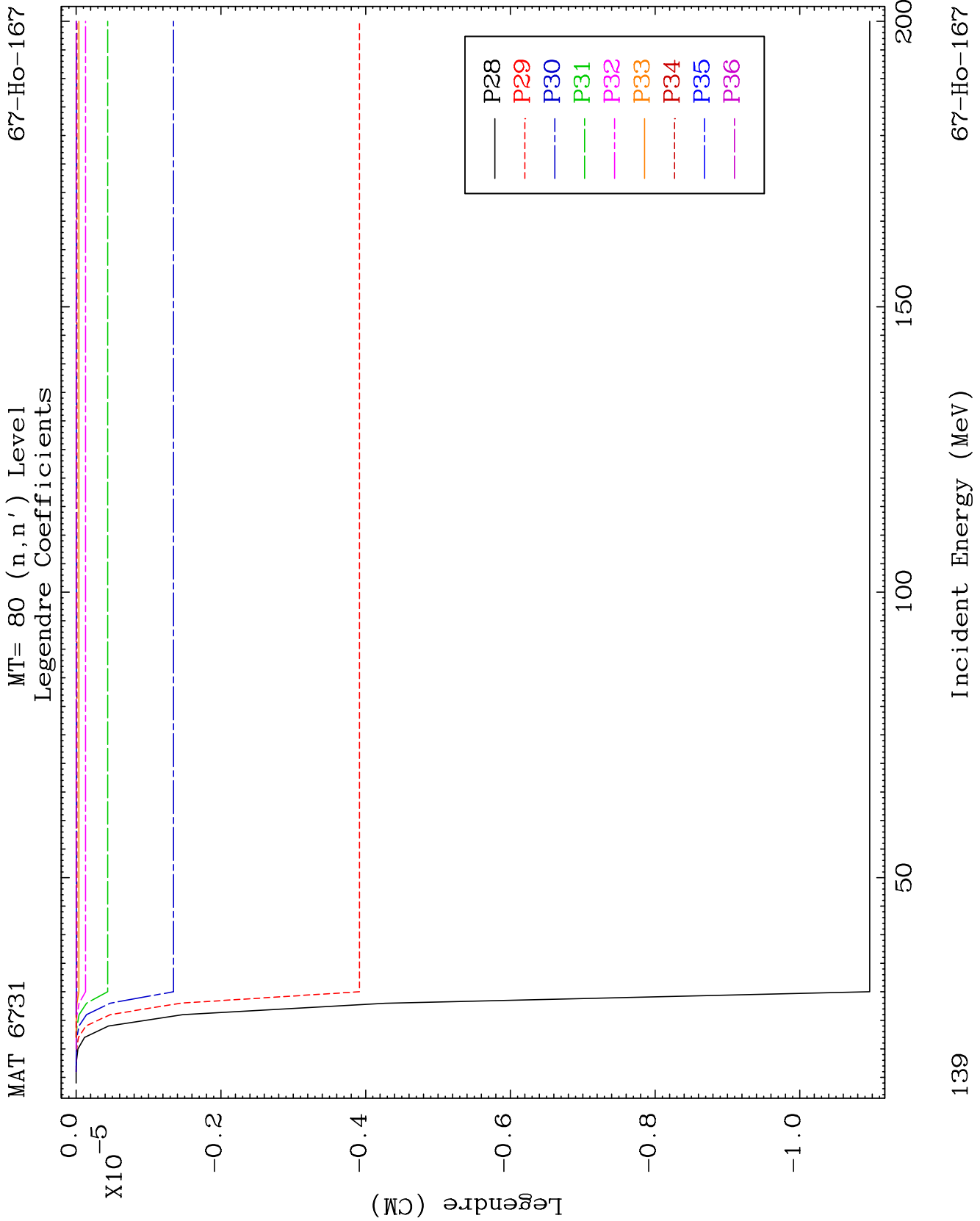
67-Ho-167



138

Incident Energy (MeV)

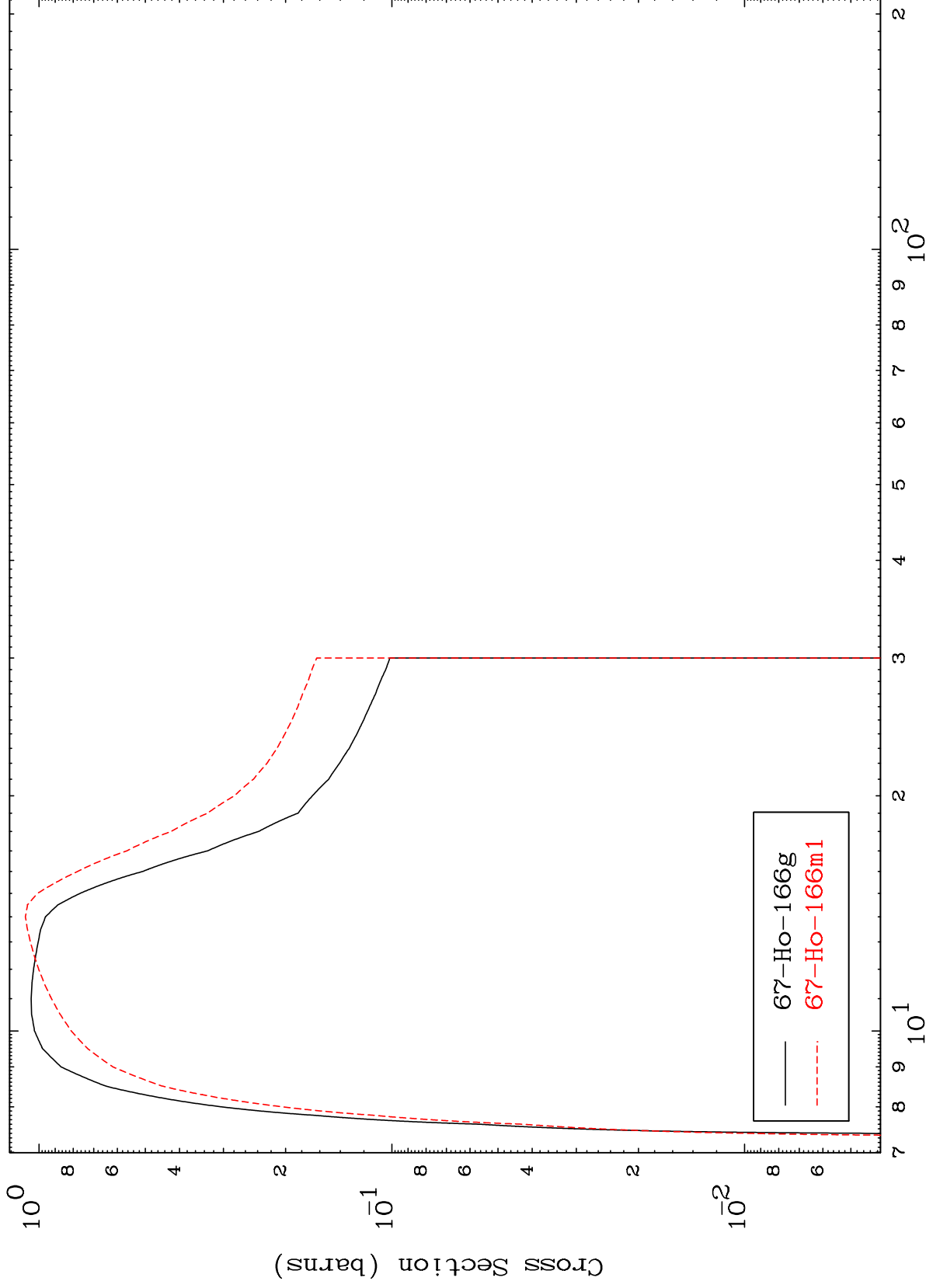
67-Ho-167



MAT 6731

67-Ho-167

(n,2n)  
Radionuclide Production Cross Section



67-Ho-167

Incident Energy (MeV)

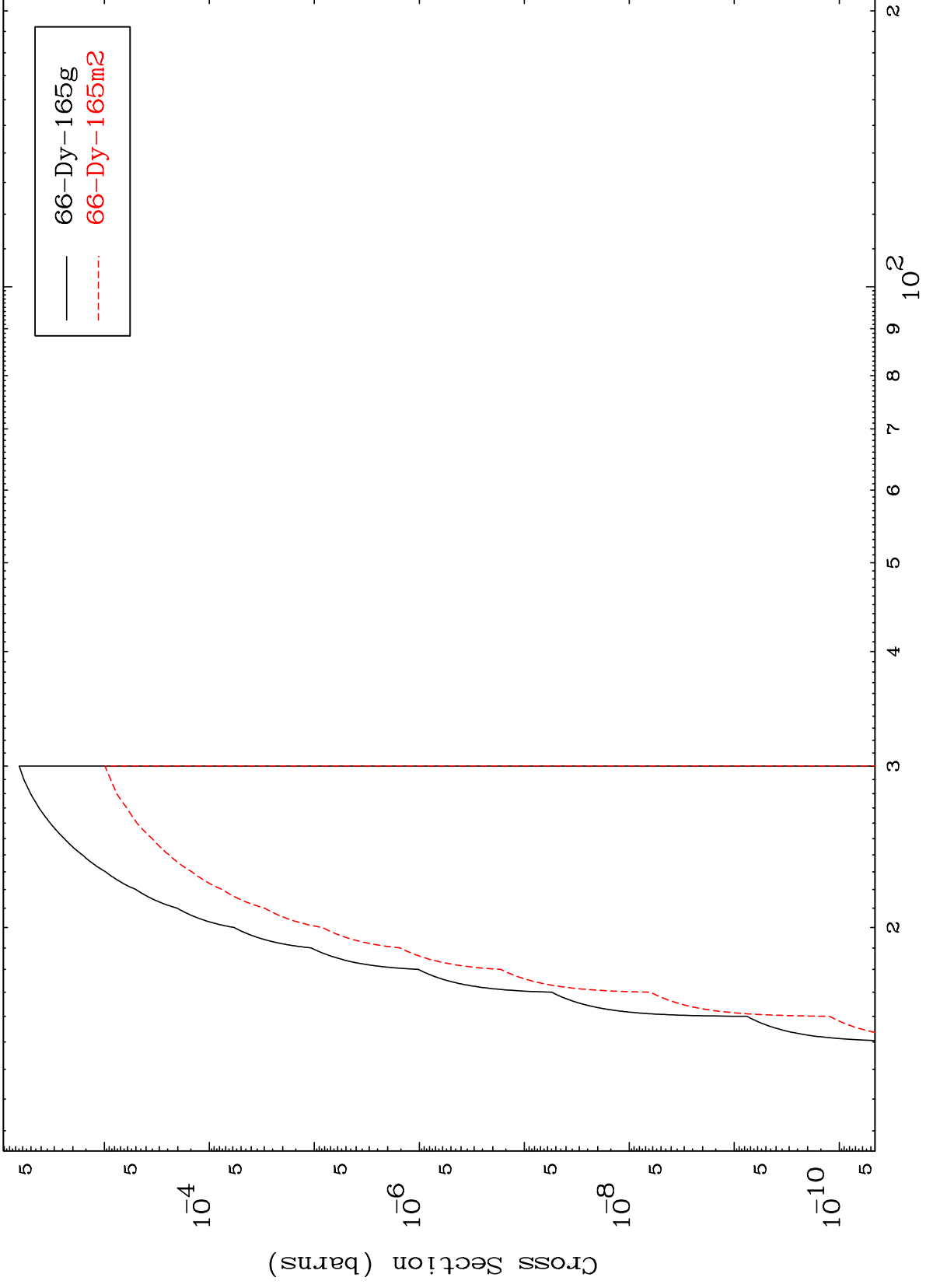
140

MAT 6731

(n,n') d

67-Ho-167

Radionuclide Production Cross Section



141

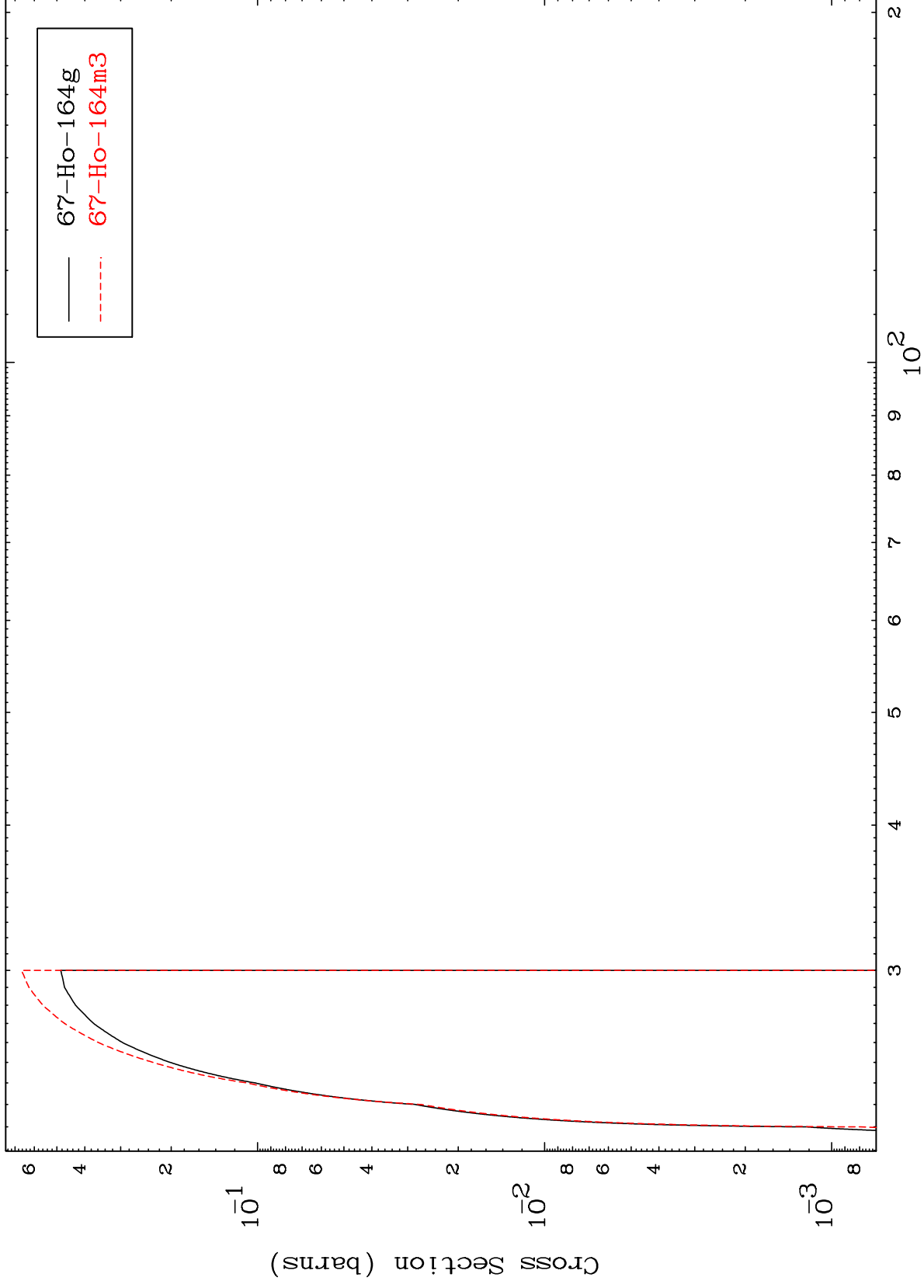
Incident Energy (MeV)

67-Ho-167

MAT 6731

<sup>67</sup>Ho-167

(n,4n)  
Radionuclide Production Cross Section



142

Incident Energy (MeV)

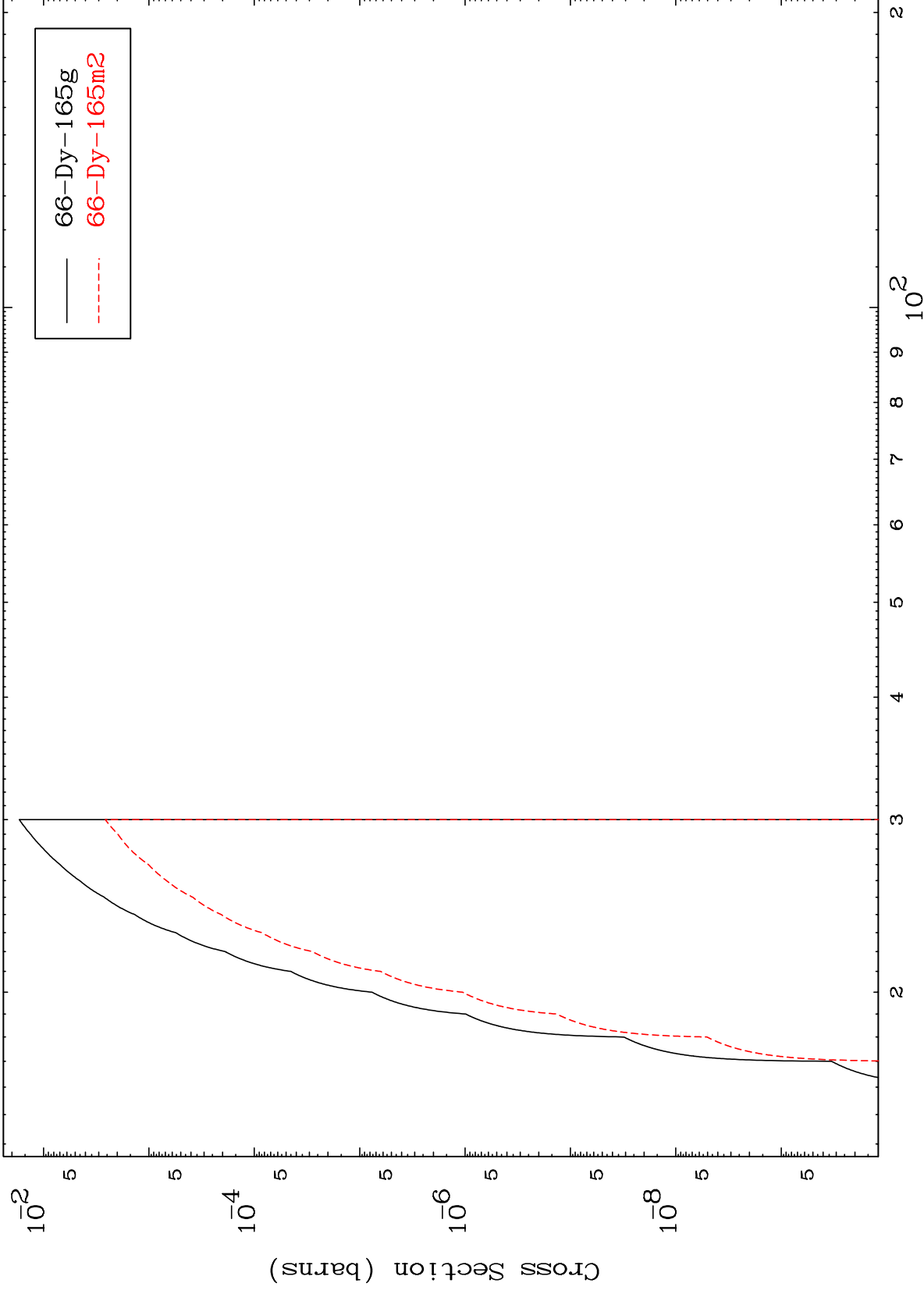
<sup>67</sup>Ho-167

MAT 6731

(n,2n) p

67-Ho-167

Radionuclide Production Cross Section



143

Incident Energy (MeV)

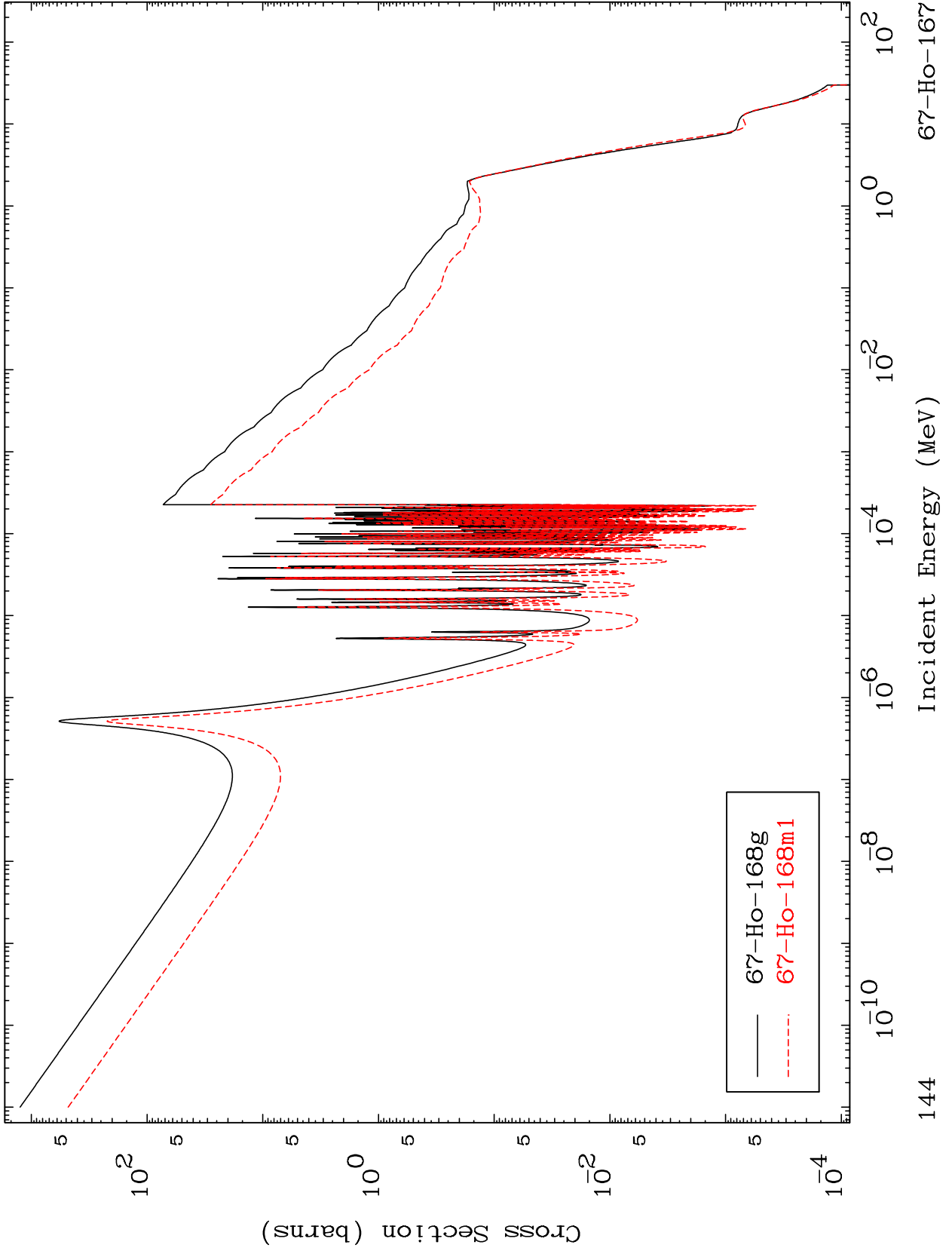
67-Ho-167



MAT 6731

67-Ho-167

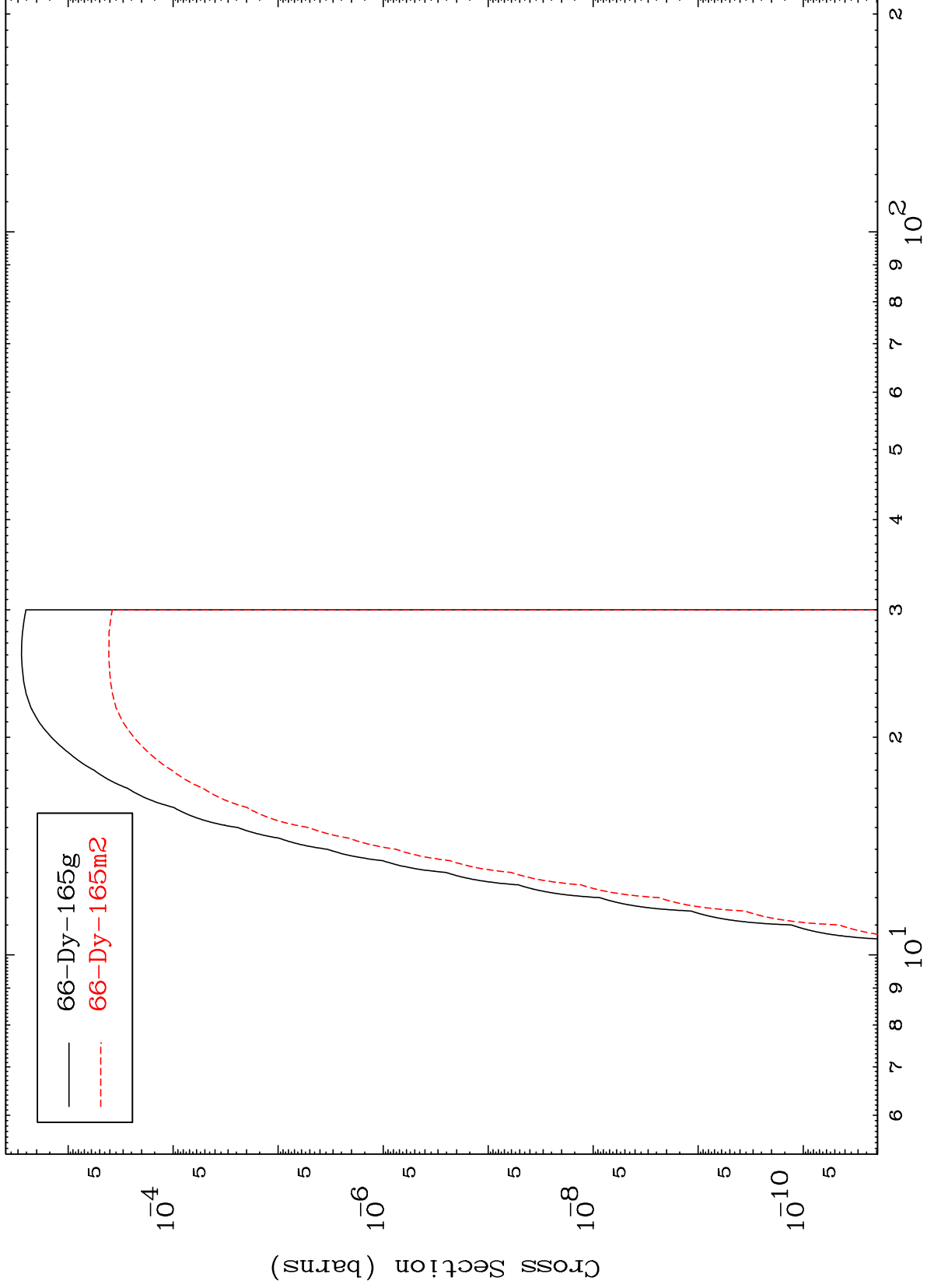
$(n, \gamma)$   
Radionuclide Production Cross Section



MAT 6731

67-Ho-167

Radionuclide Production Cross Section  
(n, t)



145

Incident Energy (MeV)

67-Ho-167