

Program EVALPLOT  
(Version 2018-1)

by

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(Present Contact Information)

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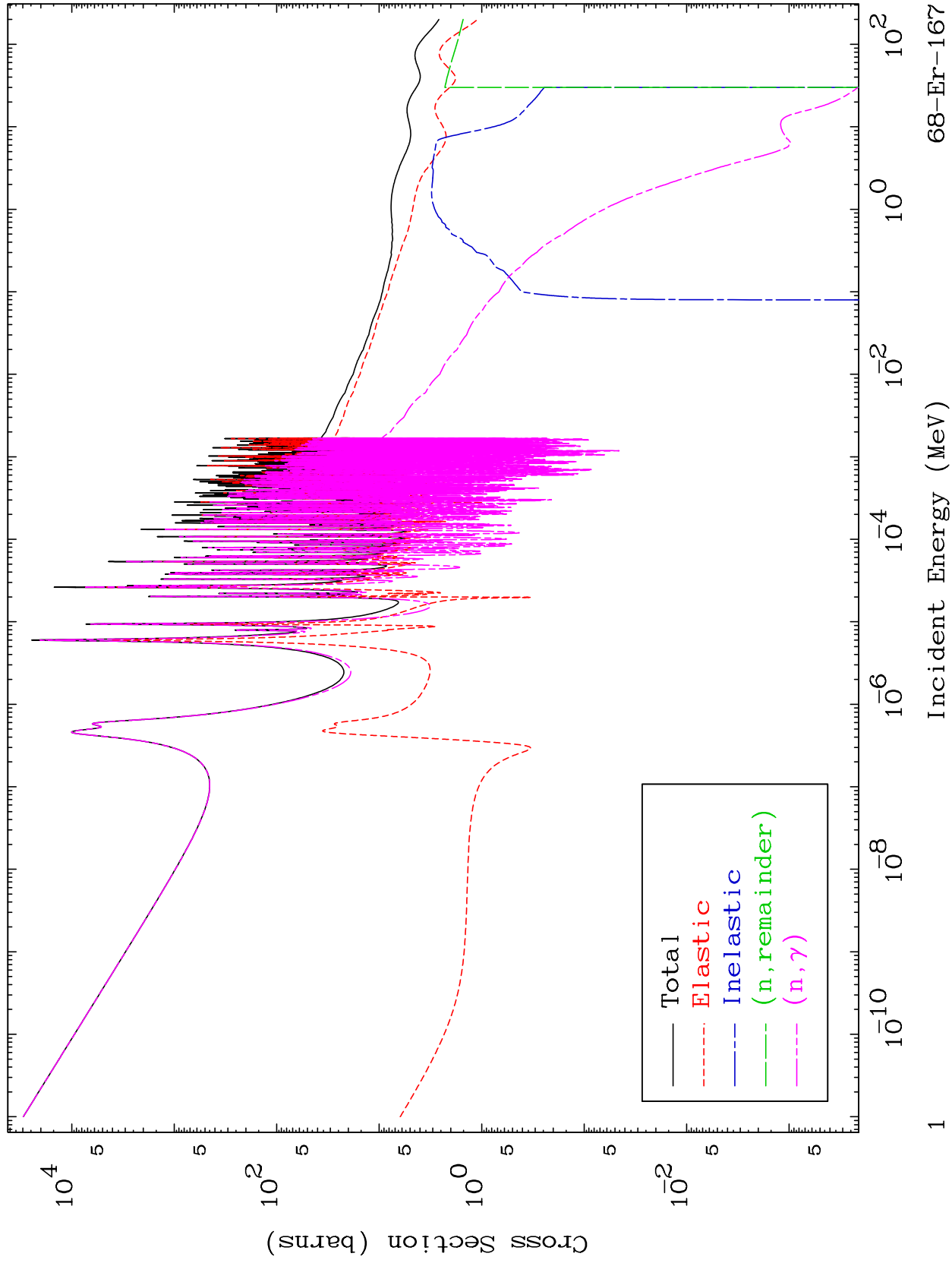
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6840

Major  
293 Kelvin Cross Sections

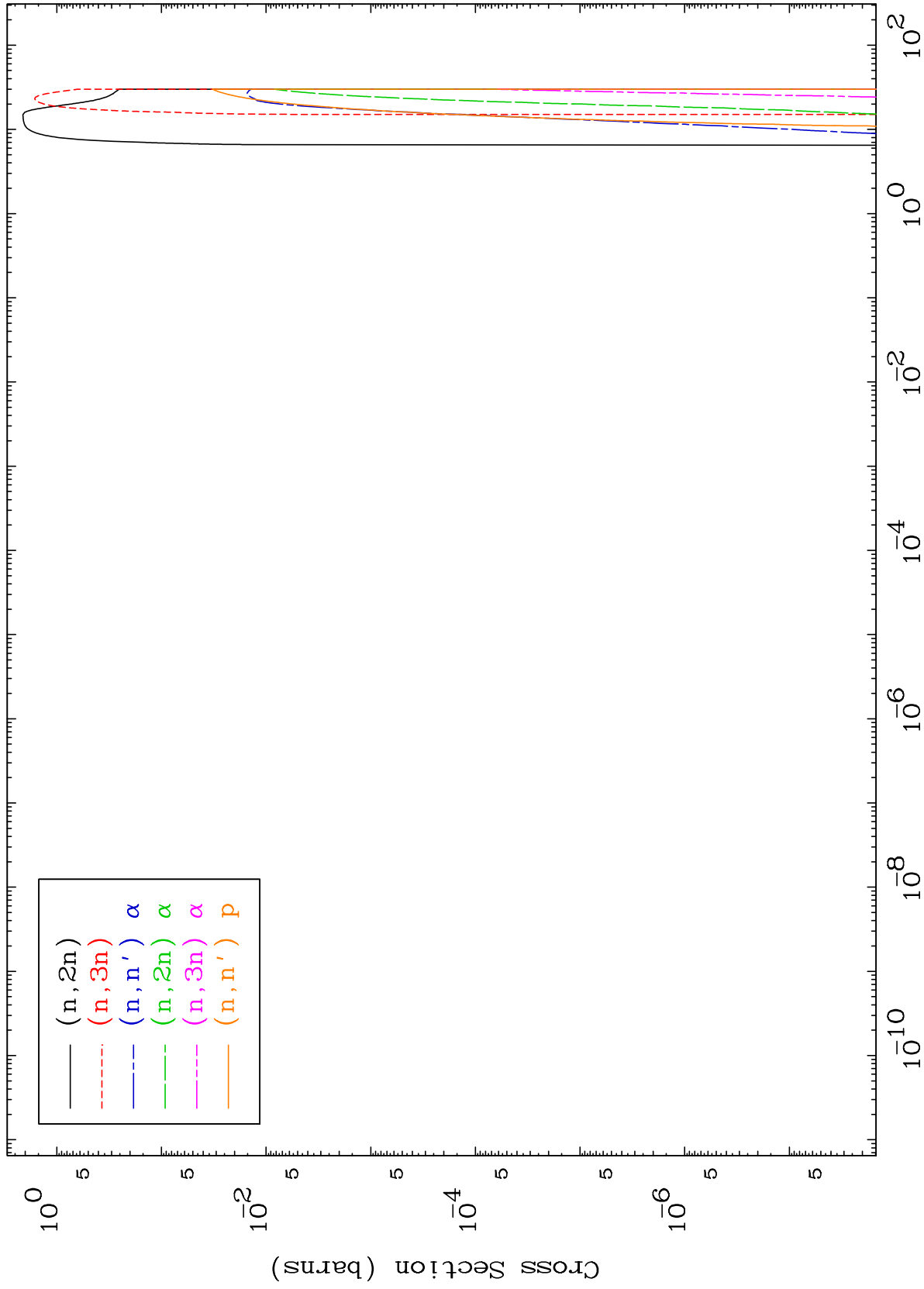
68-Er-167



MAT 6840

Neutron Production  
293 Kelvin Cross Sections

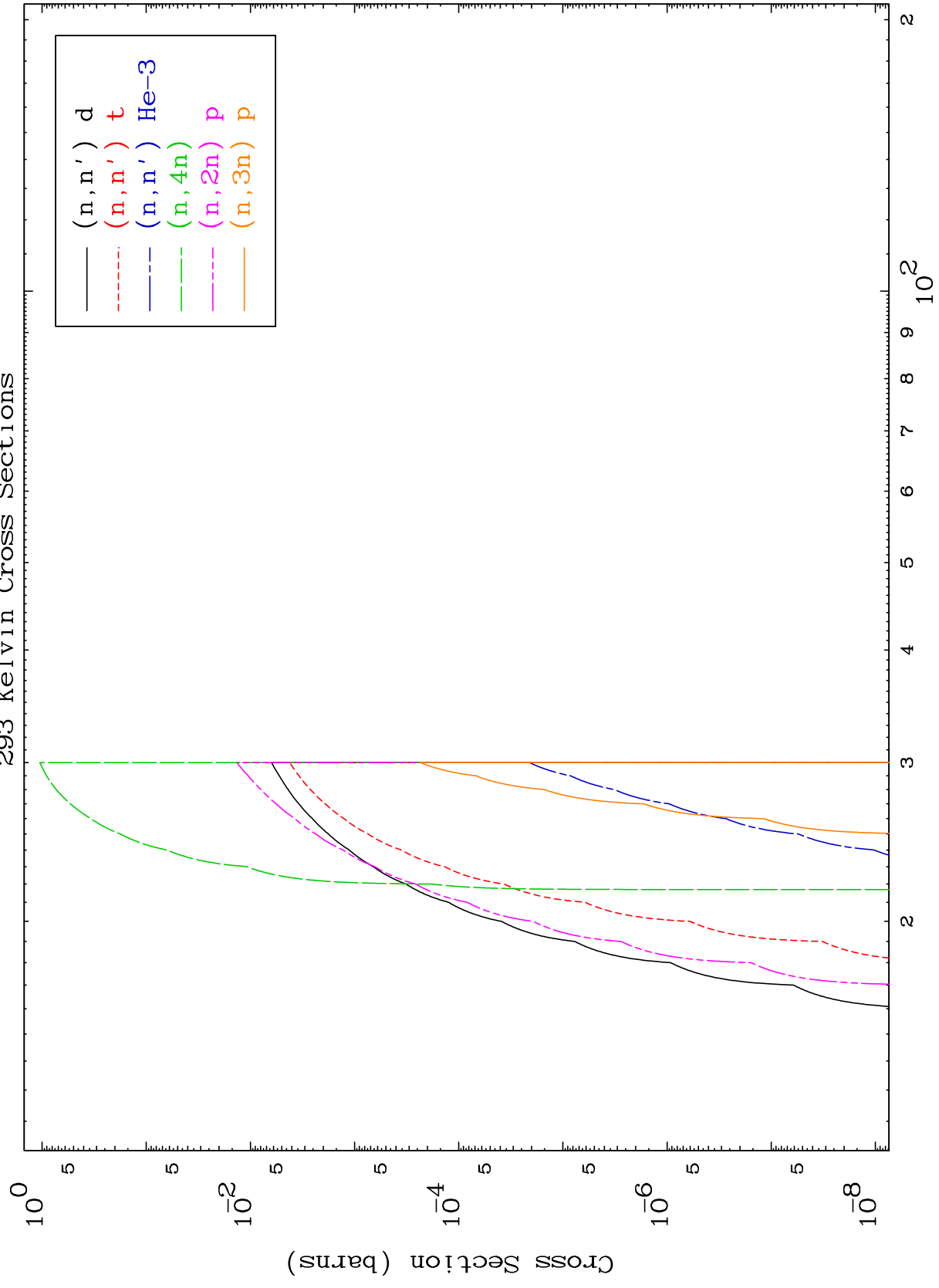
68-Er-167



2

Incident Energy (MeV)

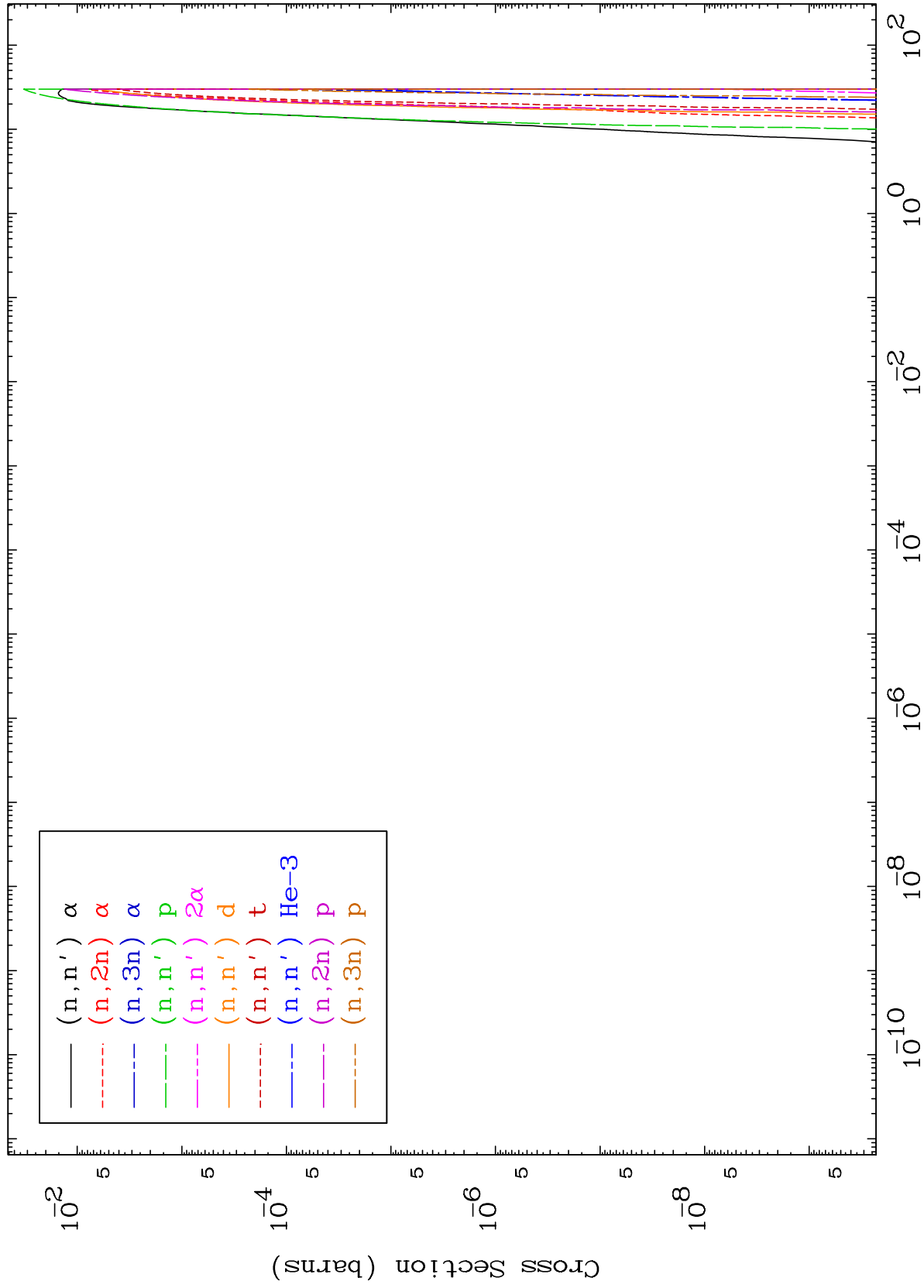
68-Er-167



MAT 6840

Charged Particle  
293 Kelvin Cross Sections

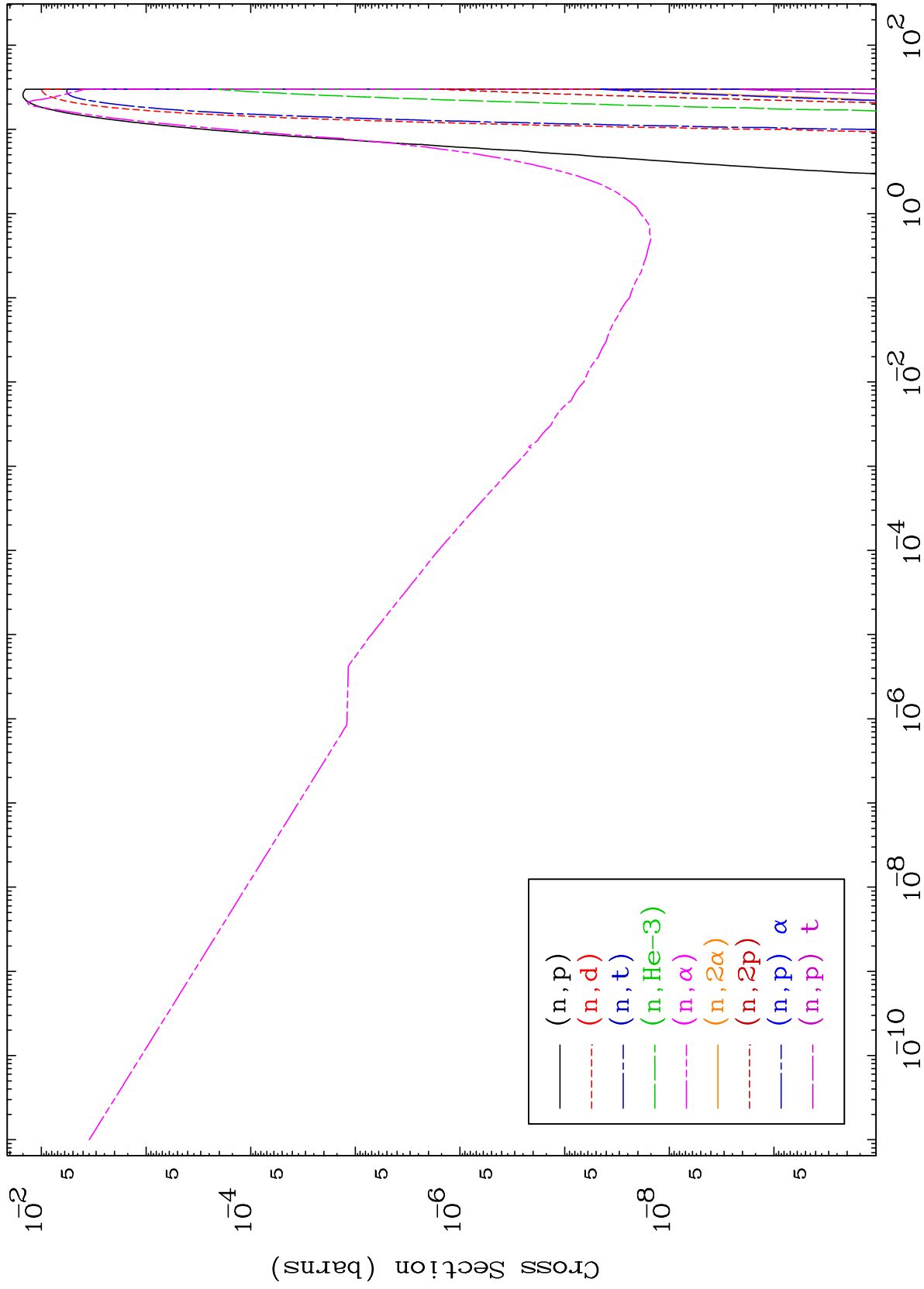
68-Er-167

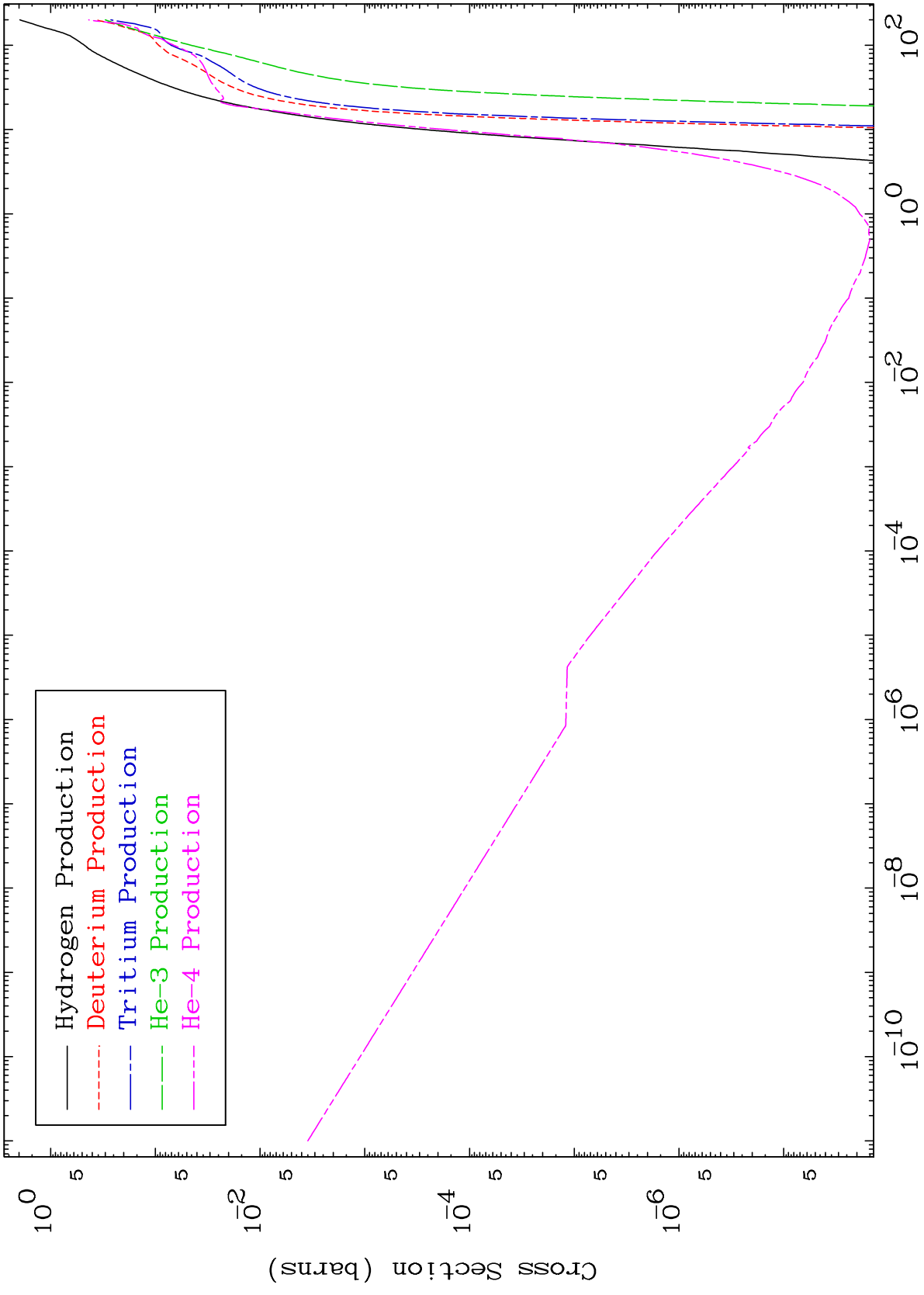


MAT 6840

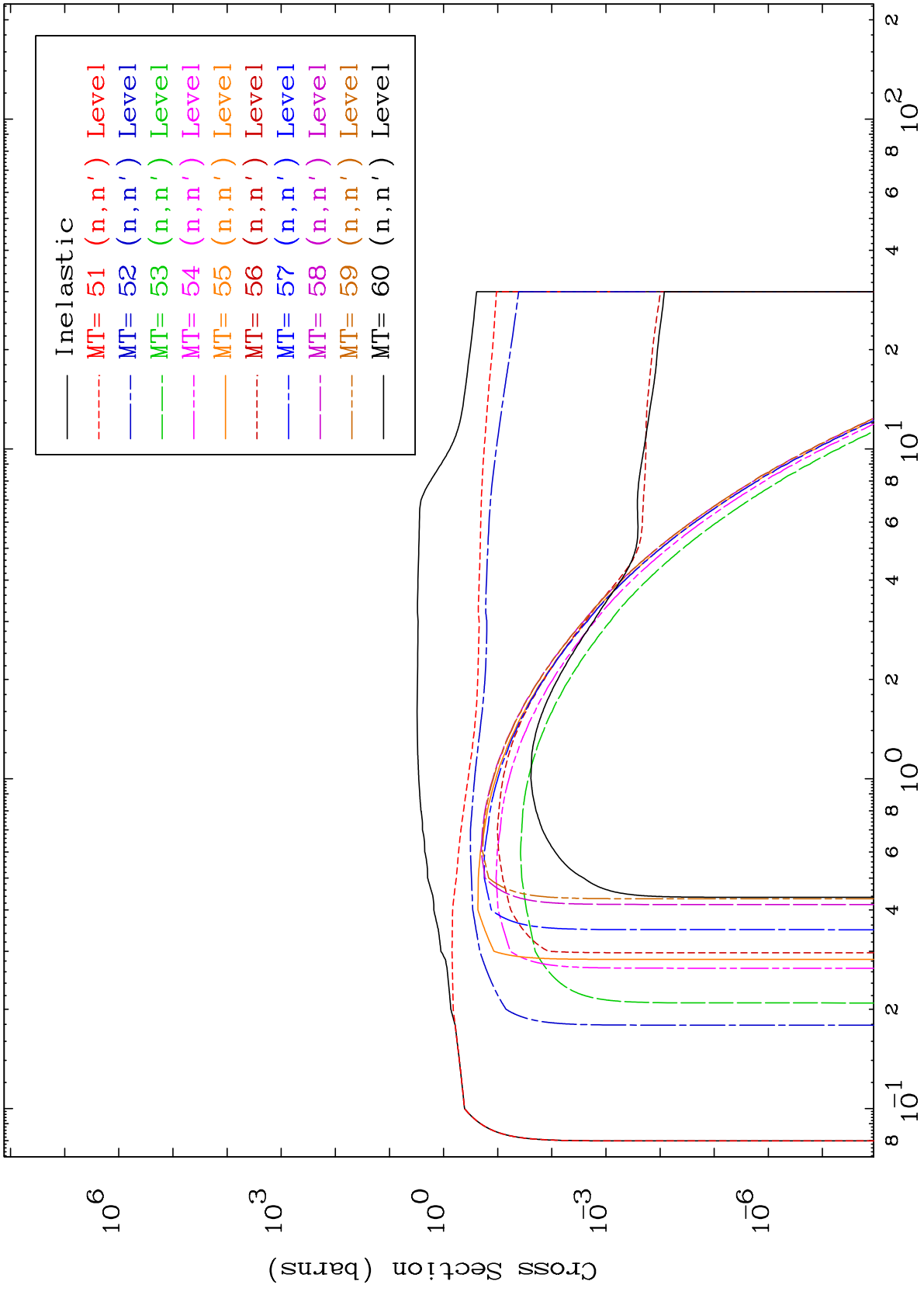
Charged Particle  
293 Kelvin Cross Sections

68-Er-167





293 Kelvin Cross Sections



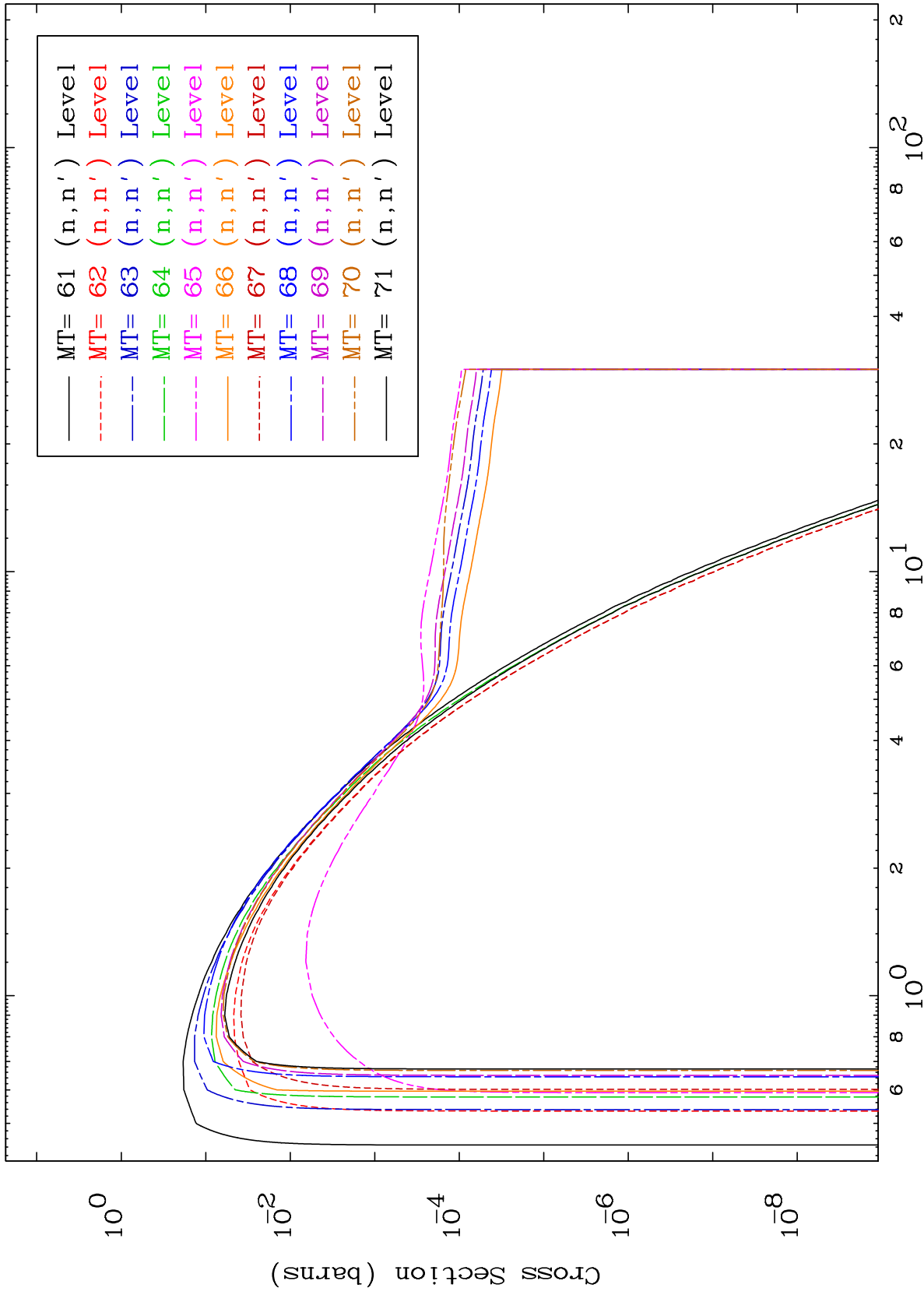


MAT 6840

(n,n') Level

68-Er-167

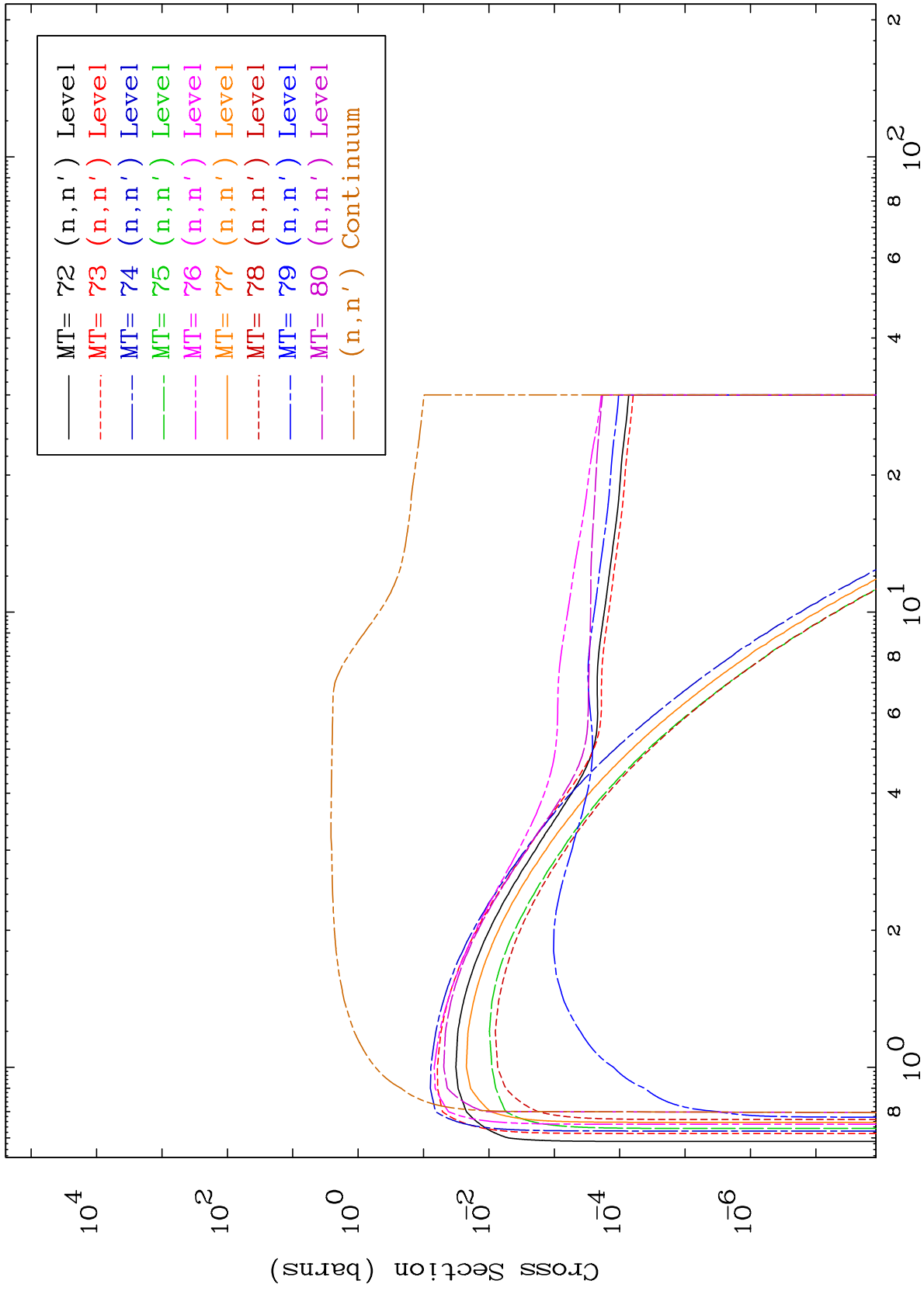
293 Kelvin Cross Sections



8

Incident Energy (MeV)

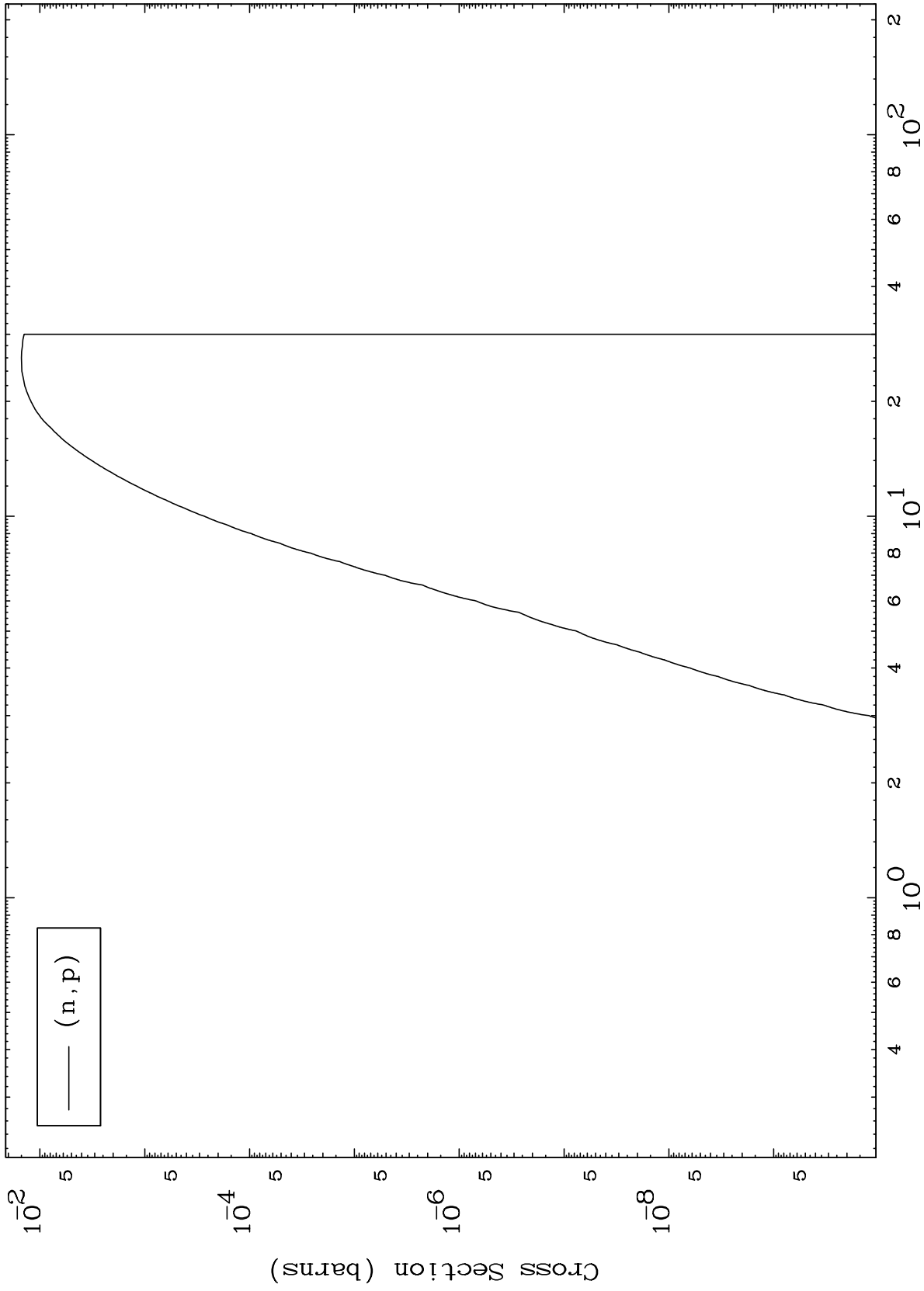
68-Er-167



MAT 6840

(n,p) Levels  
293 Kelvin Cross Sections

68-Er-167



(n,p)

10

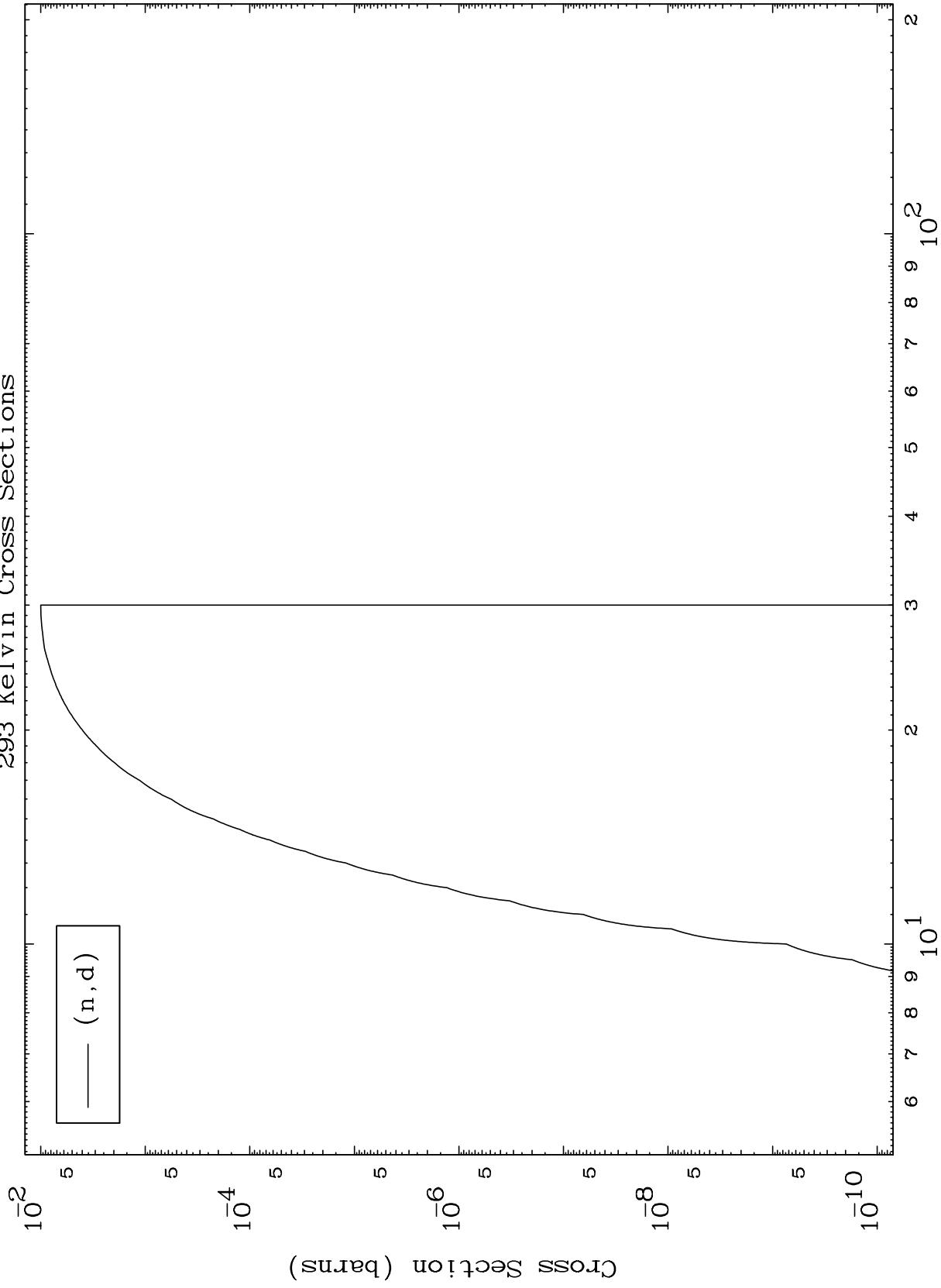
Incident Energy (MeV)

68-Er-167

MAT 6840

(n,d) Levels  
293 Kelvin Cross Sections

68-Er-167



11

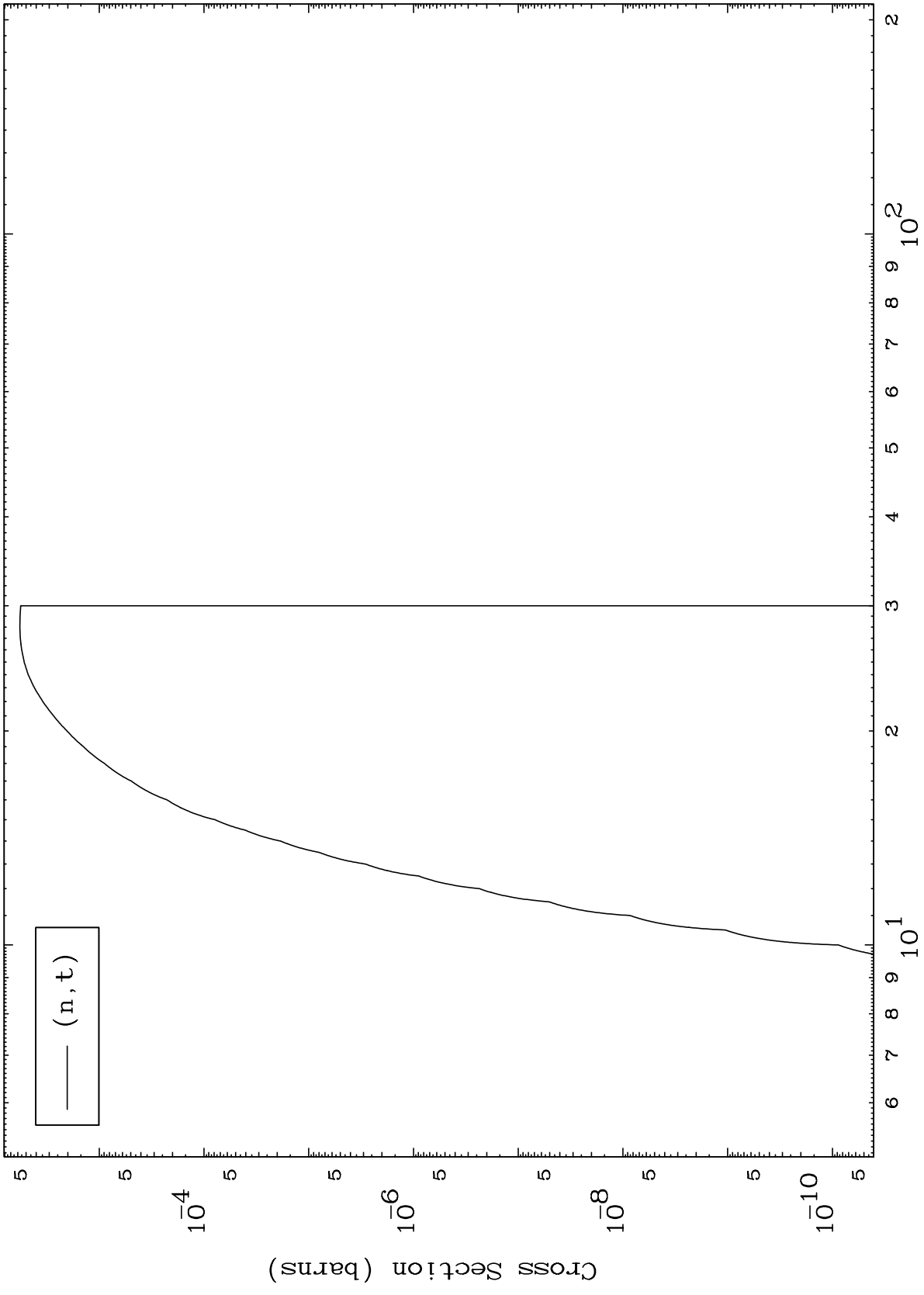
Incident Energy (MeV)

68-Er-167

MAT 6840

(n,t) Levels  
293 Kelvin Cross Sections

68-Er-167



12

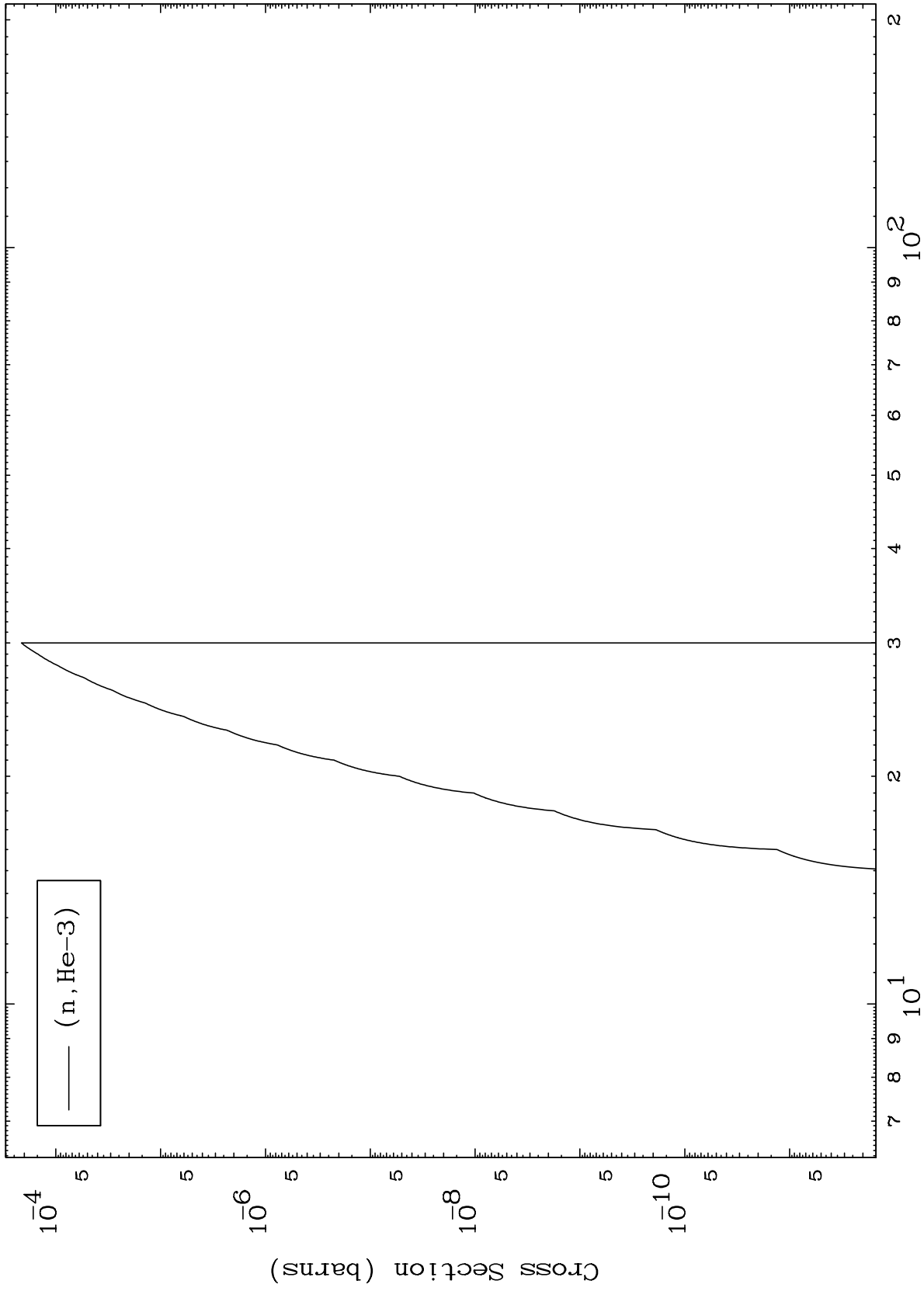
Incident Energy (MeV)

68-Er-167

MAT 6840

(n,He3) Levels  
293 Kelvin Cross Sections

68-Er-167



13

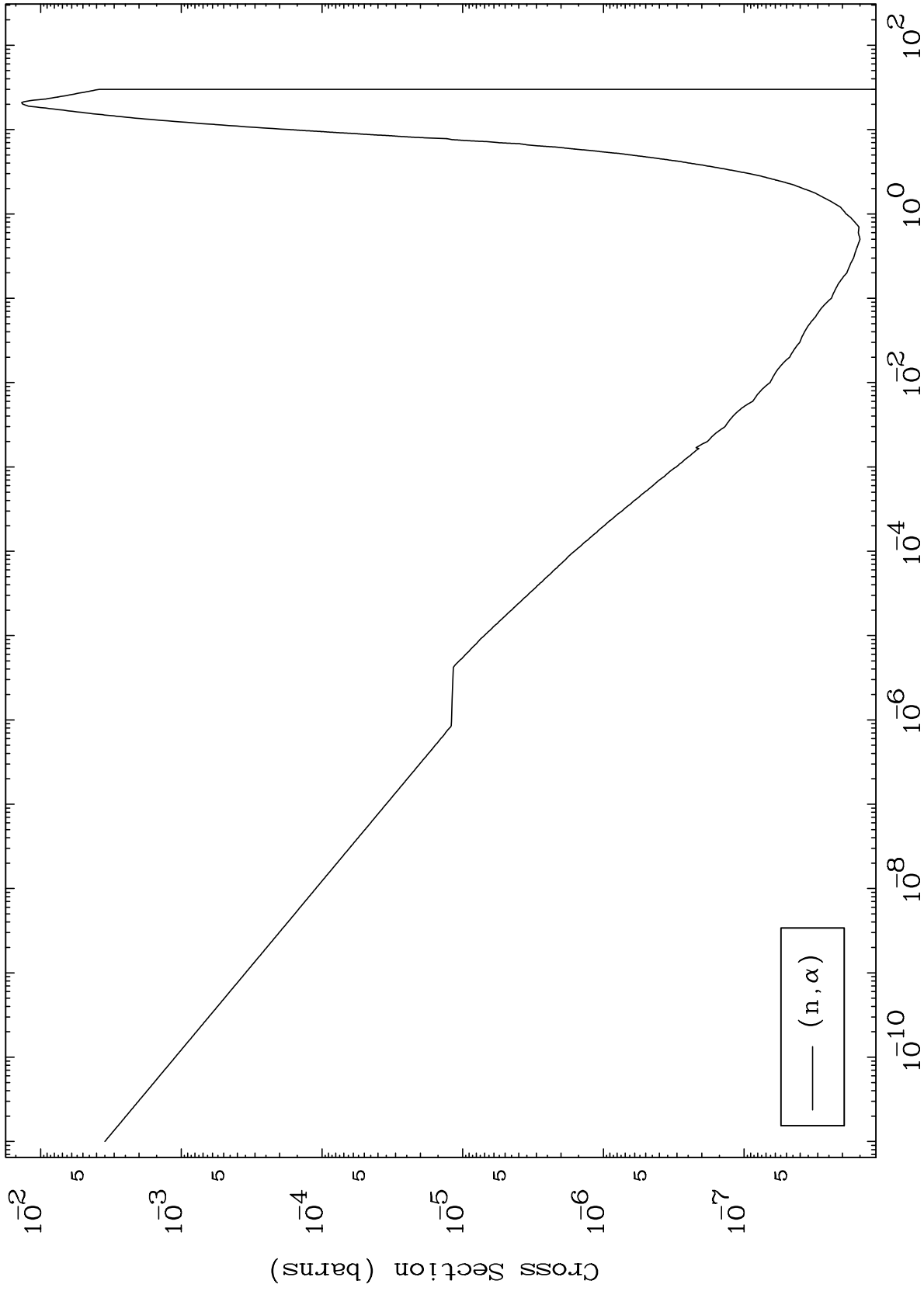
Incident Energy (MeV)

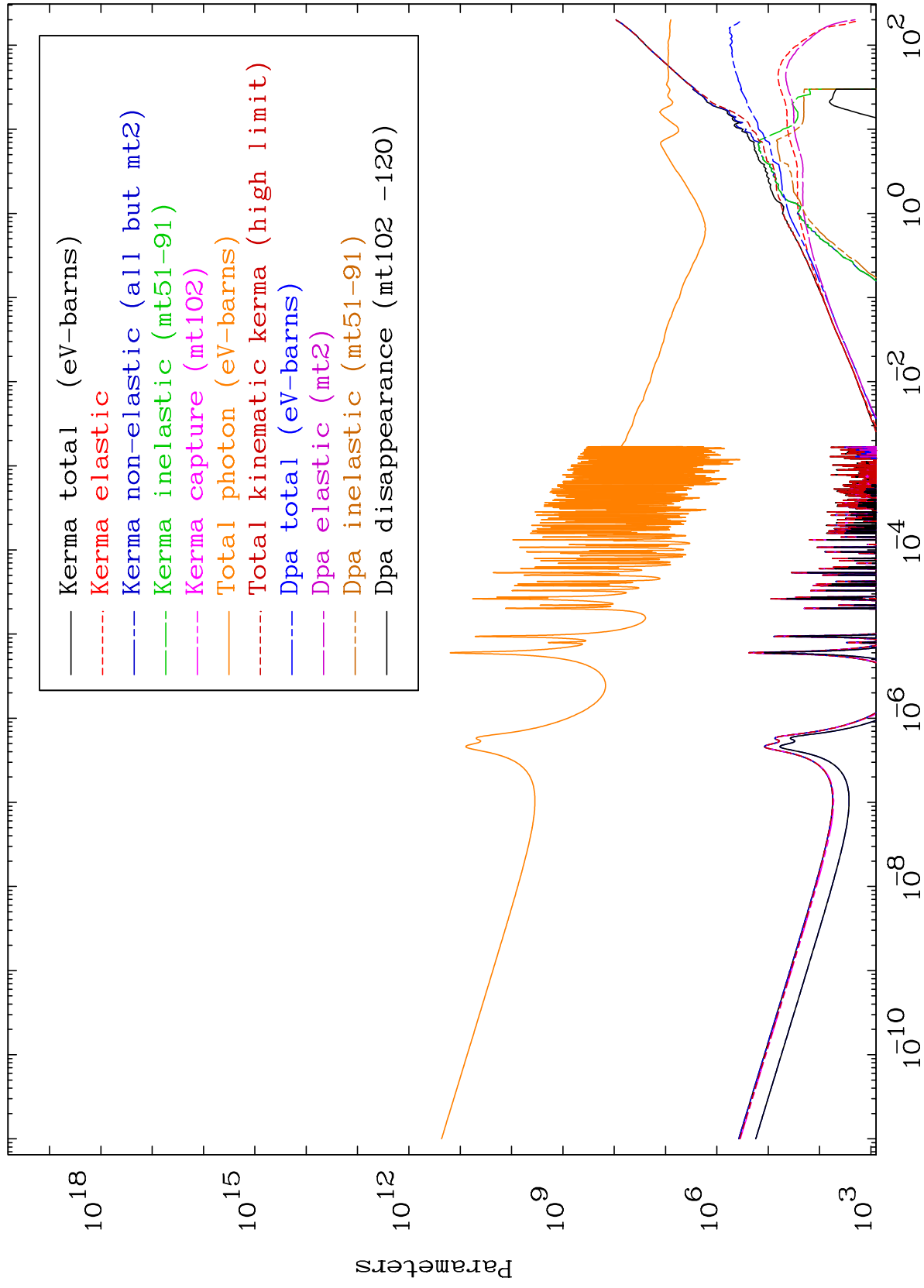
68-Er-167

MAT 6840

(n,α) Levels  
293 Kelvin Cross Sections

68-Er-167



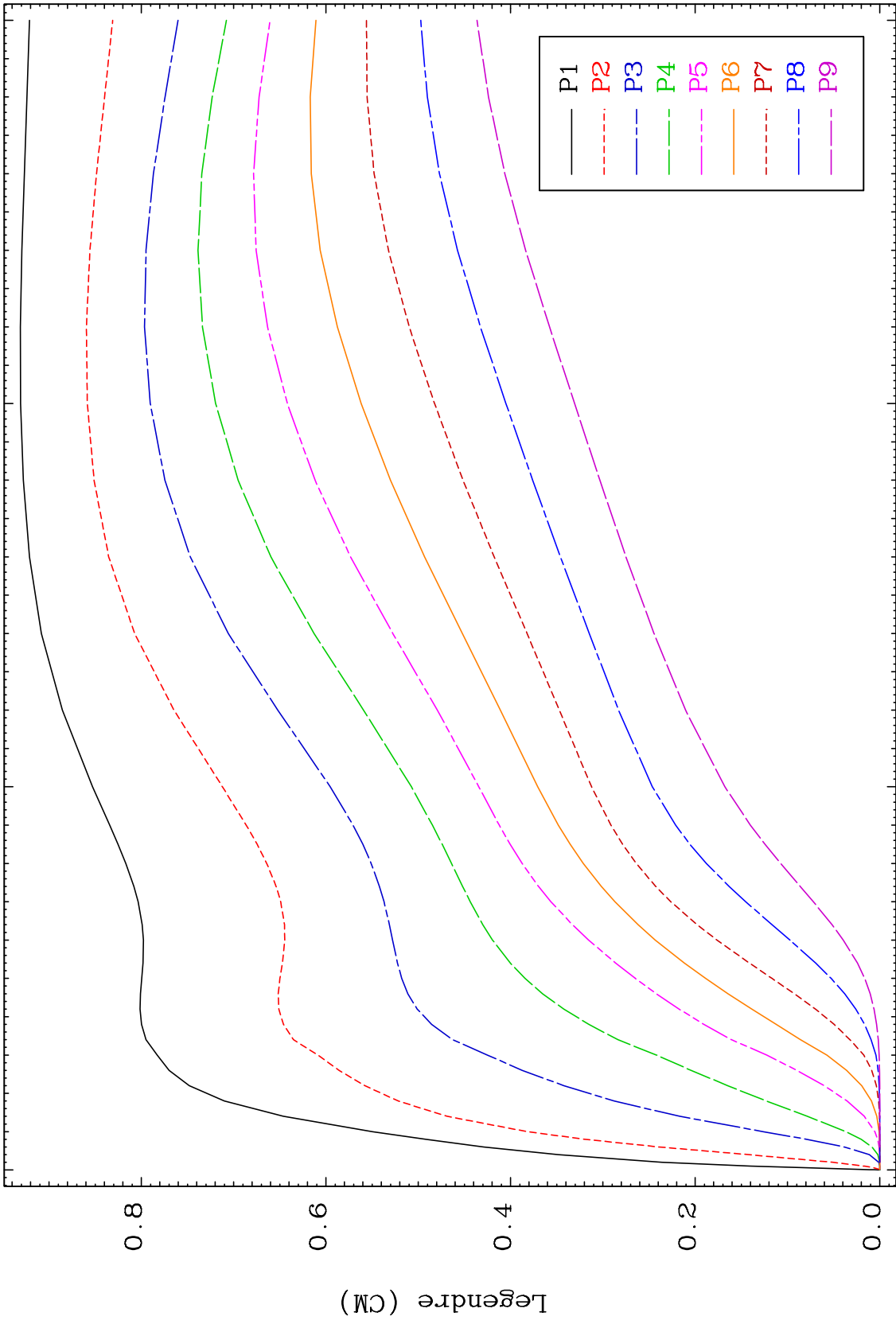




MAT 6840

Elastic Legendre Coefficients

68-Er-167



16

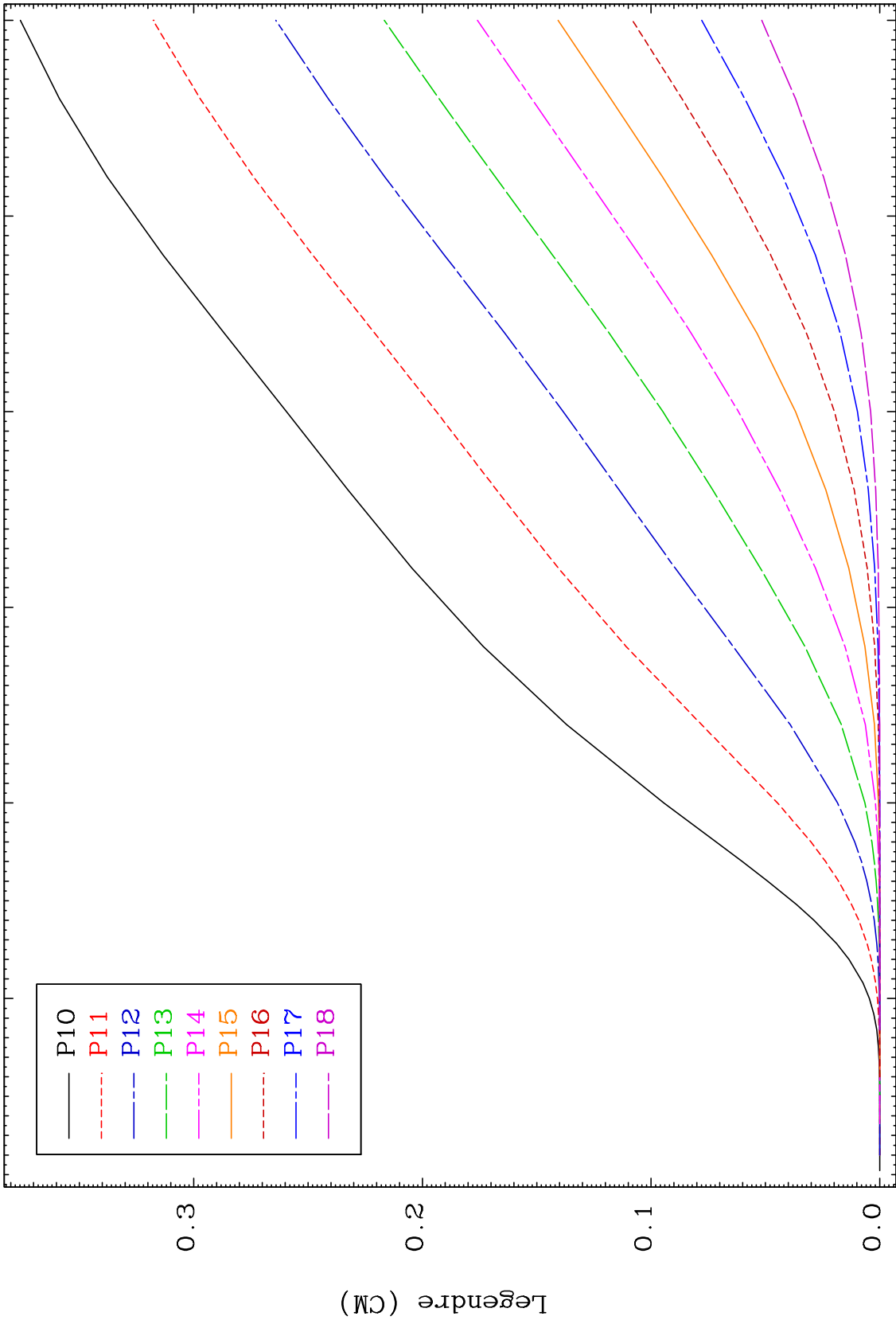
Incident Energy (MeV)

68-Er-167

MAT 6840

Elastic Legendre Coefficients

68-Er-167



17

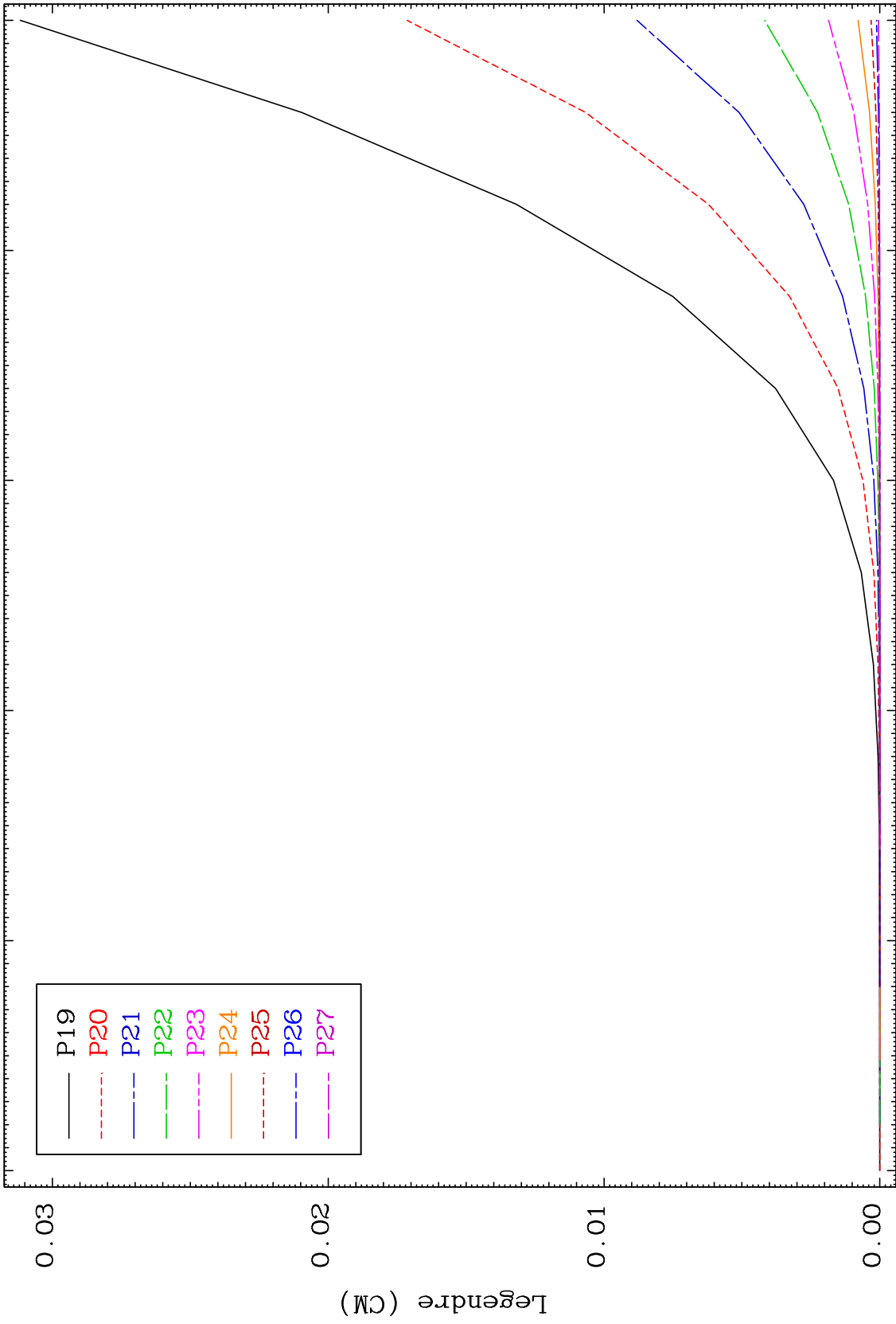
Incident Energy (MeV)

68-Er-167

MAT 6840

### Elastic Legendre Coefficients

68-Er-167



18

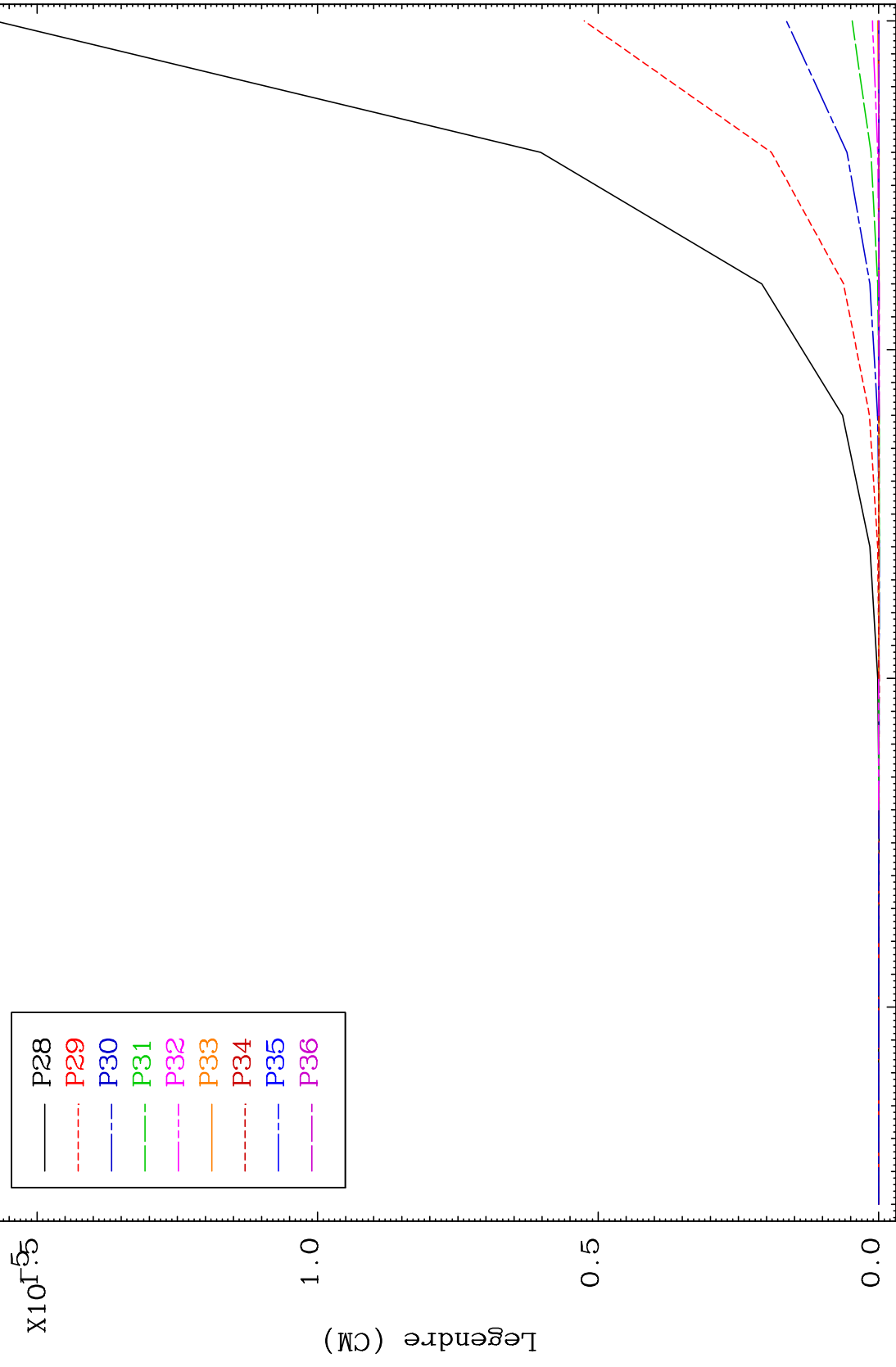
Incident Energy (MeV)

68-Er-167

MAT 6840

Elastic Legendre Coefficients

68-Er-167



19

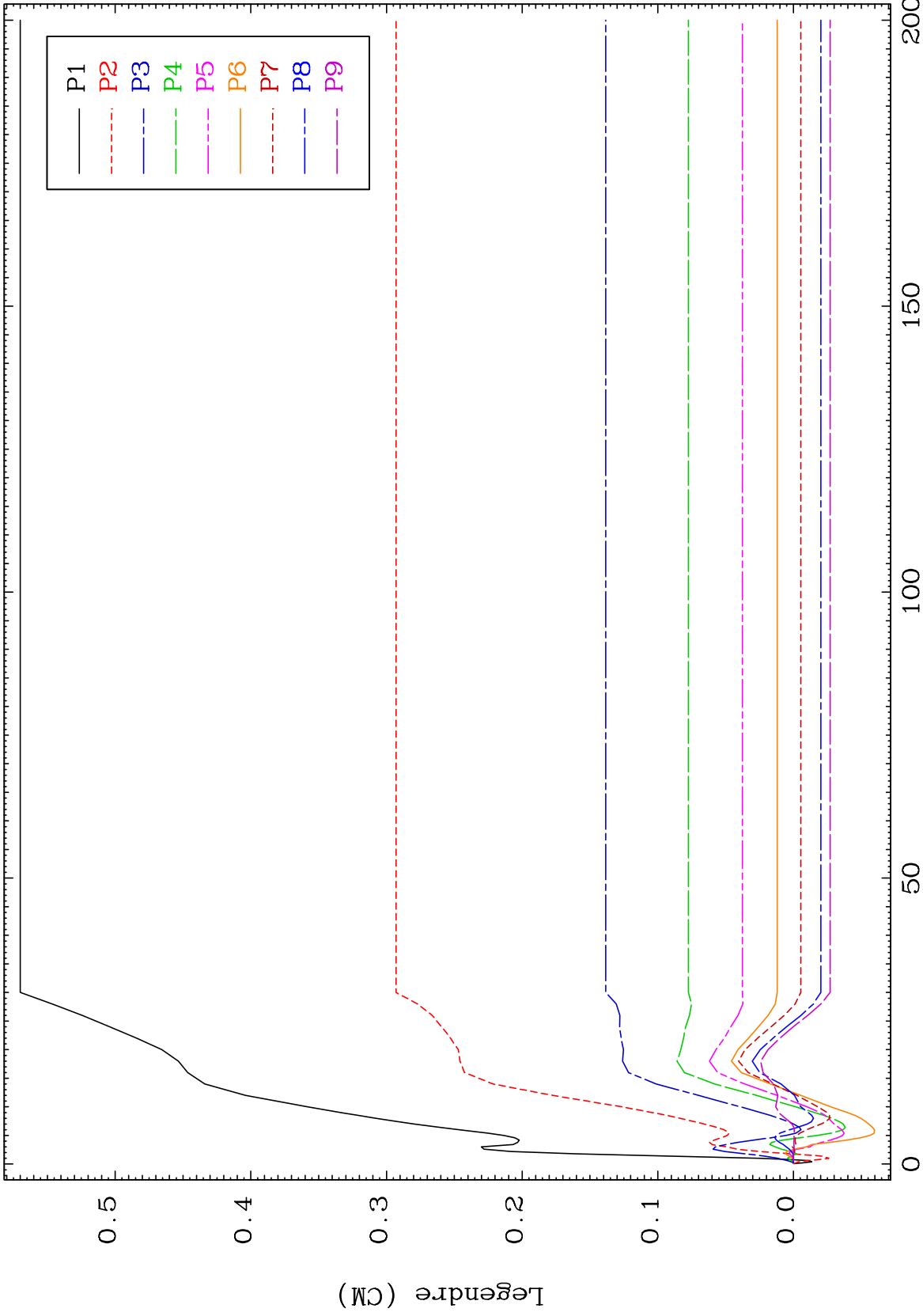
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



68-Er-167

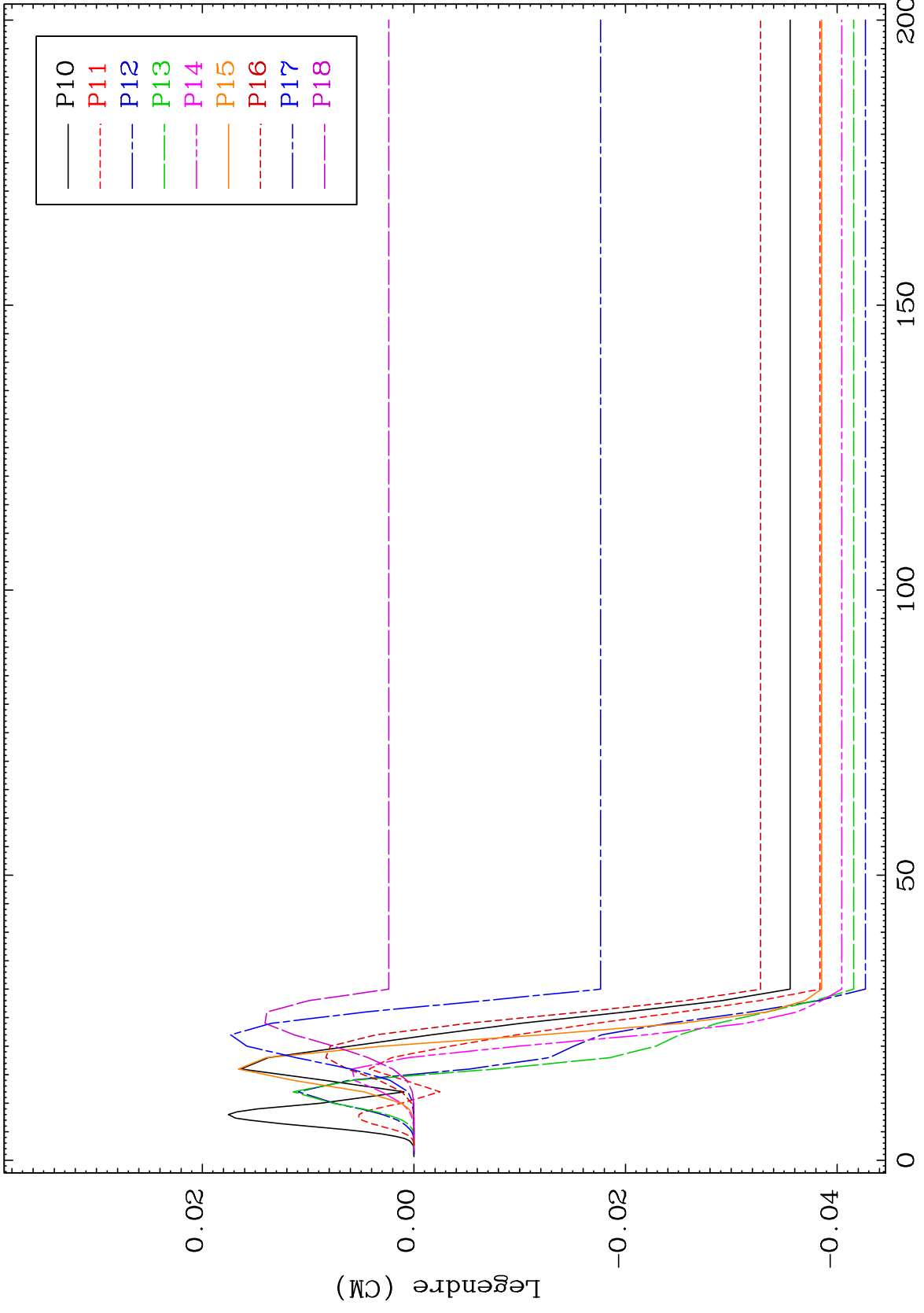
Incident Energy (MeV)

20

MAT 6840

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

68-Er-167



21

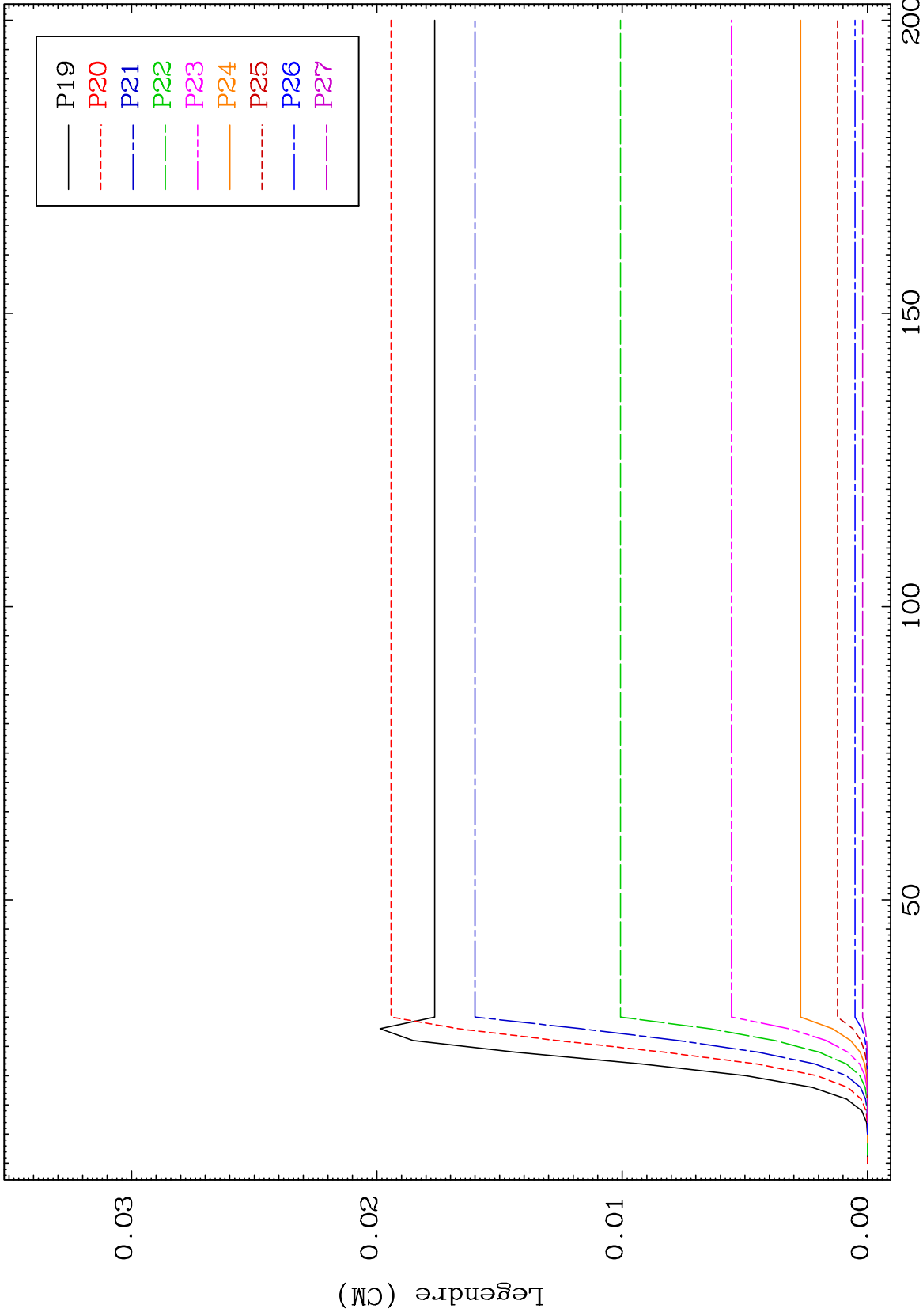
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



22

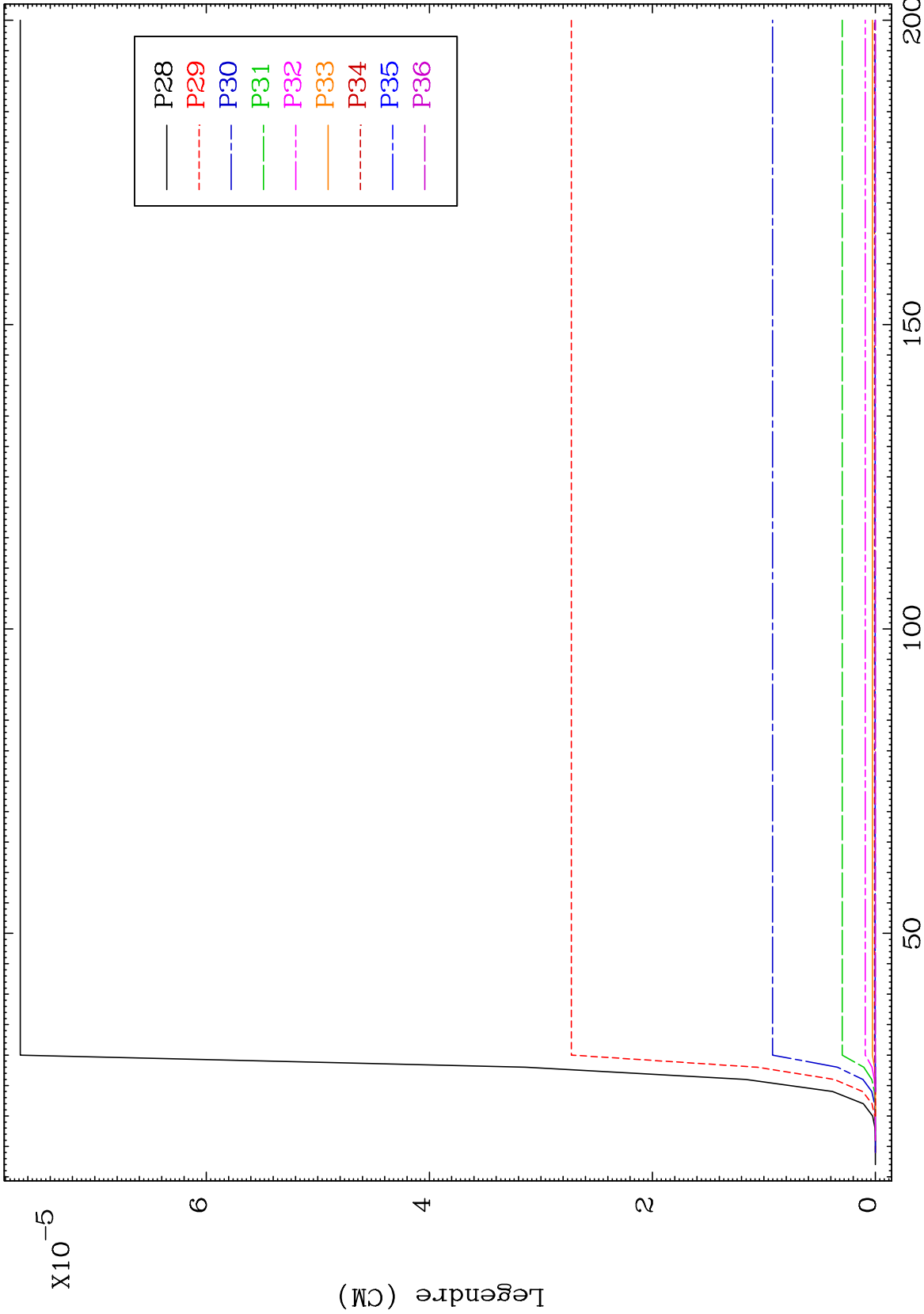
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



23

Incident Energy (MeV)

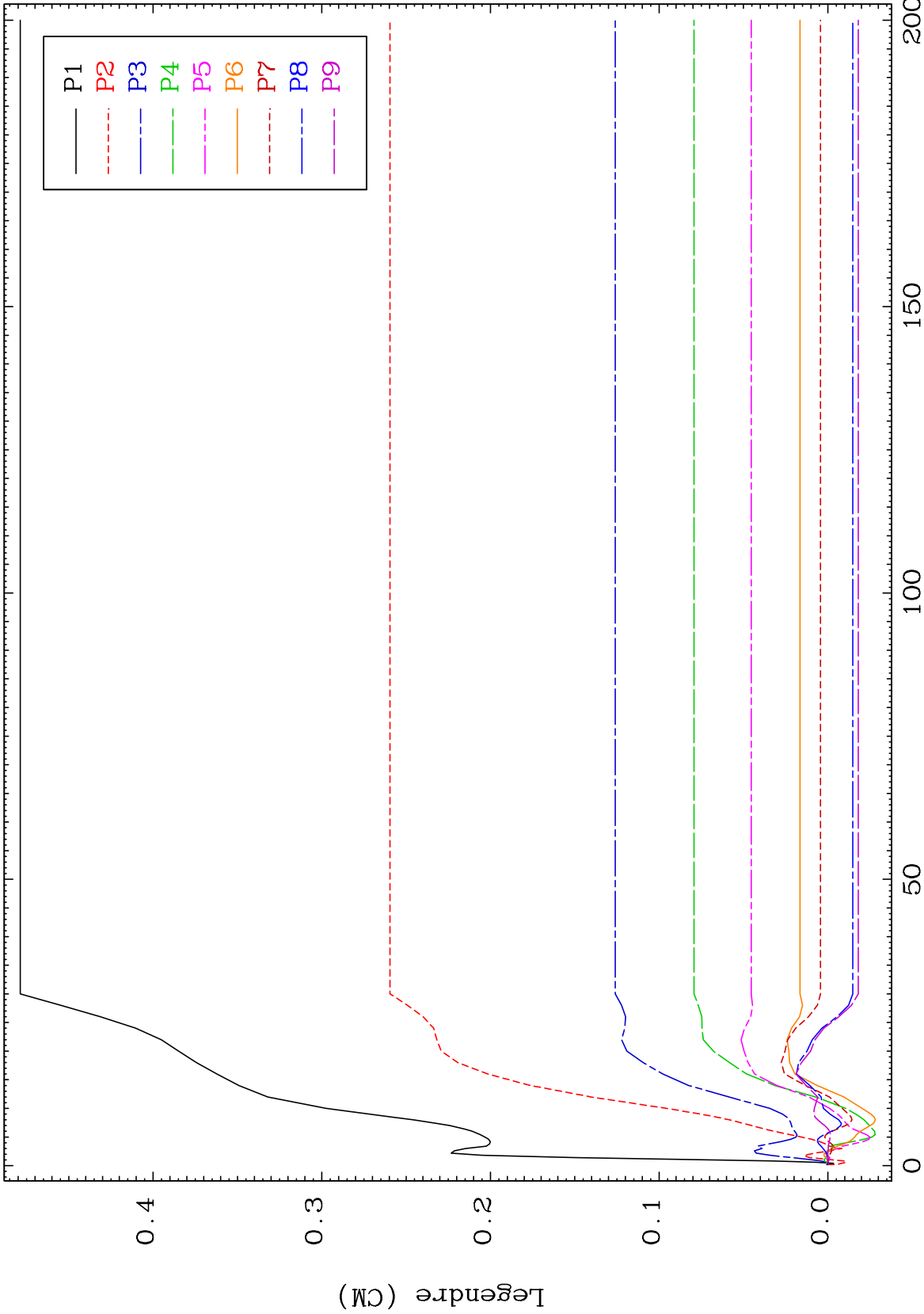
68-Er-167



MAT 6840

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

68-Er-167



24

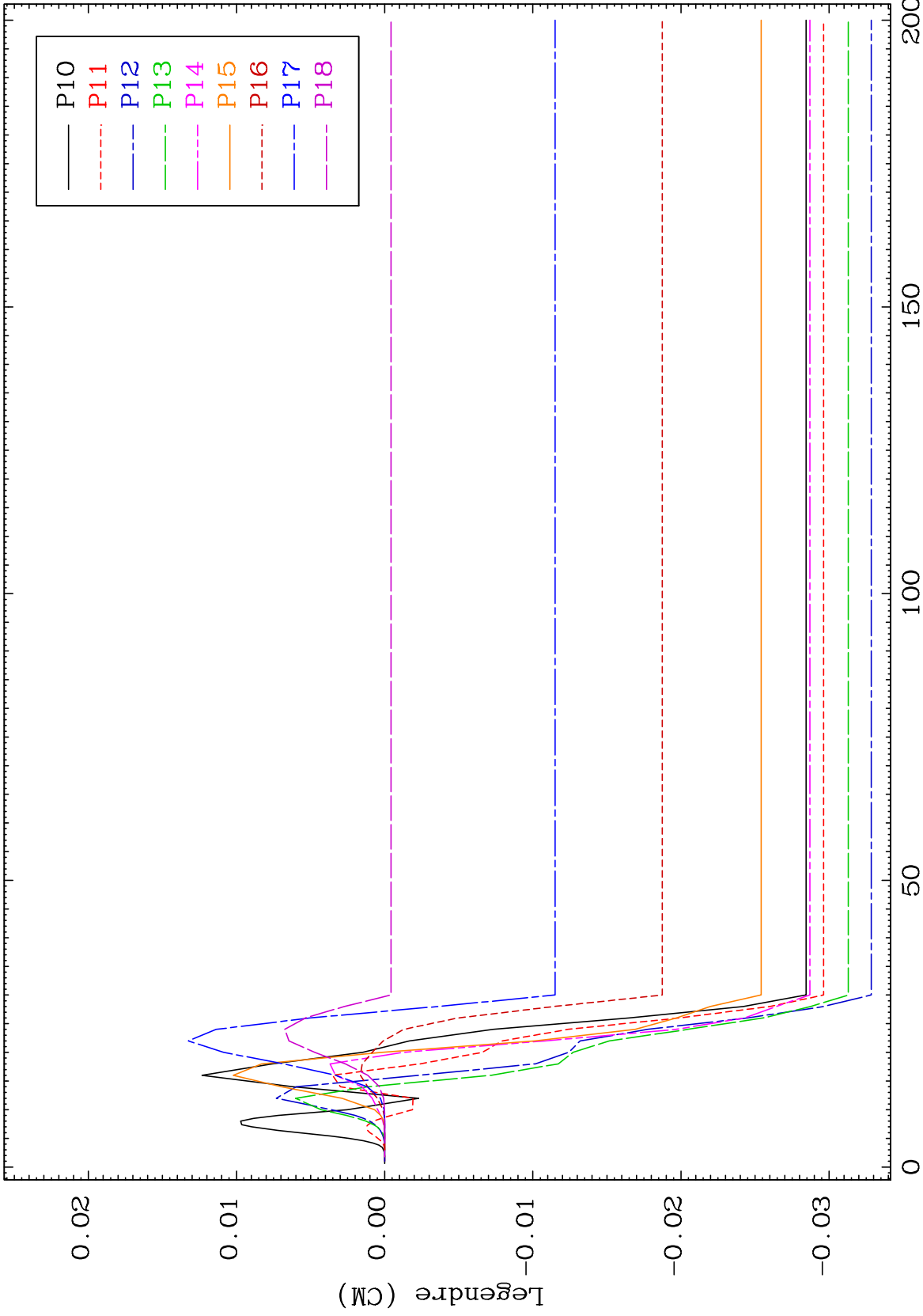
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



25

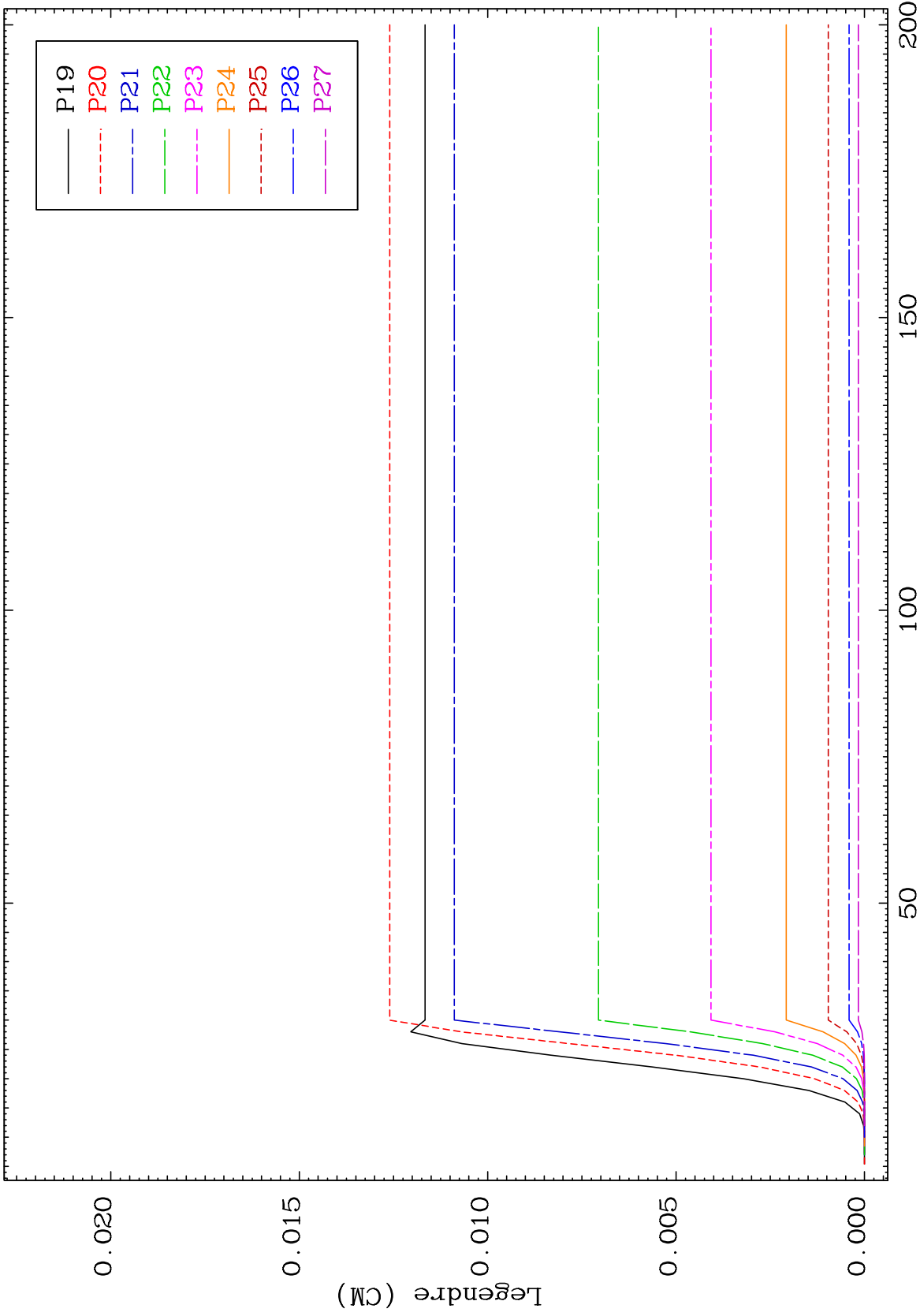
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



26

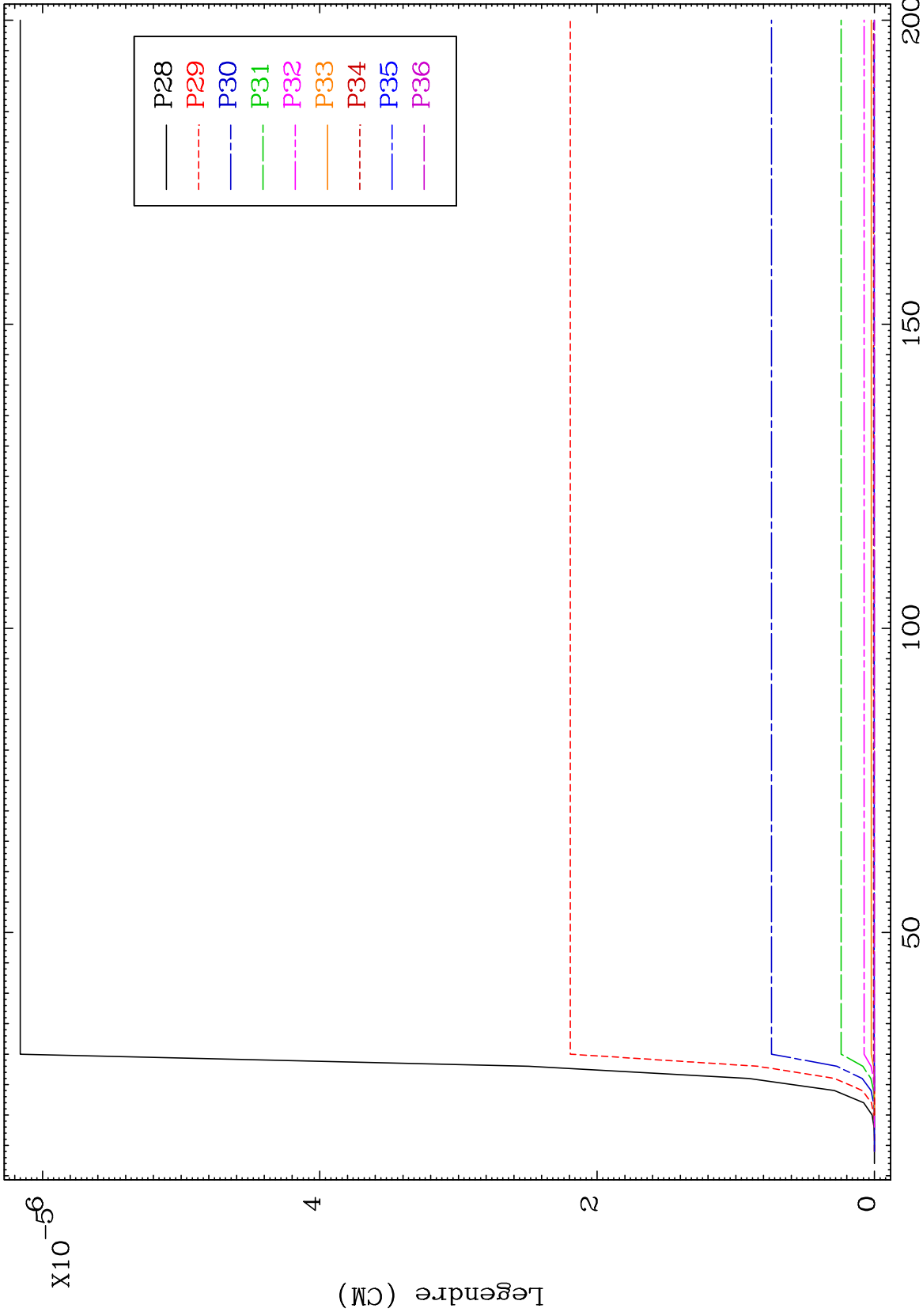
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



27

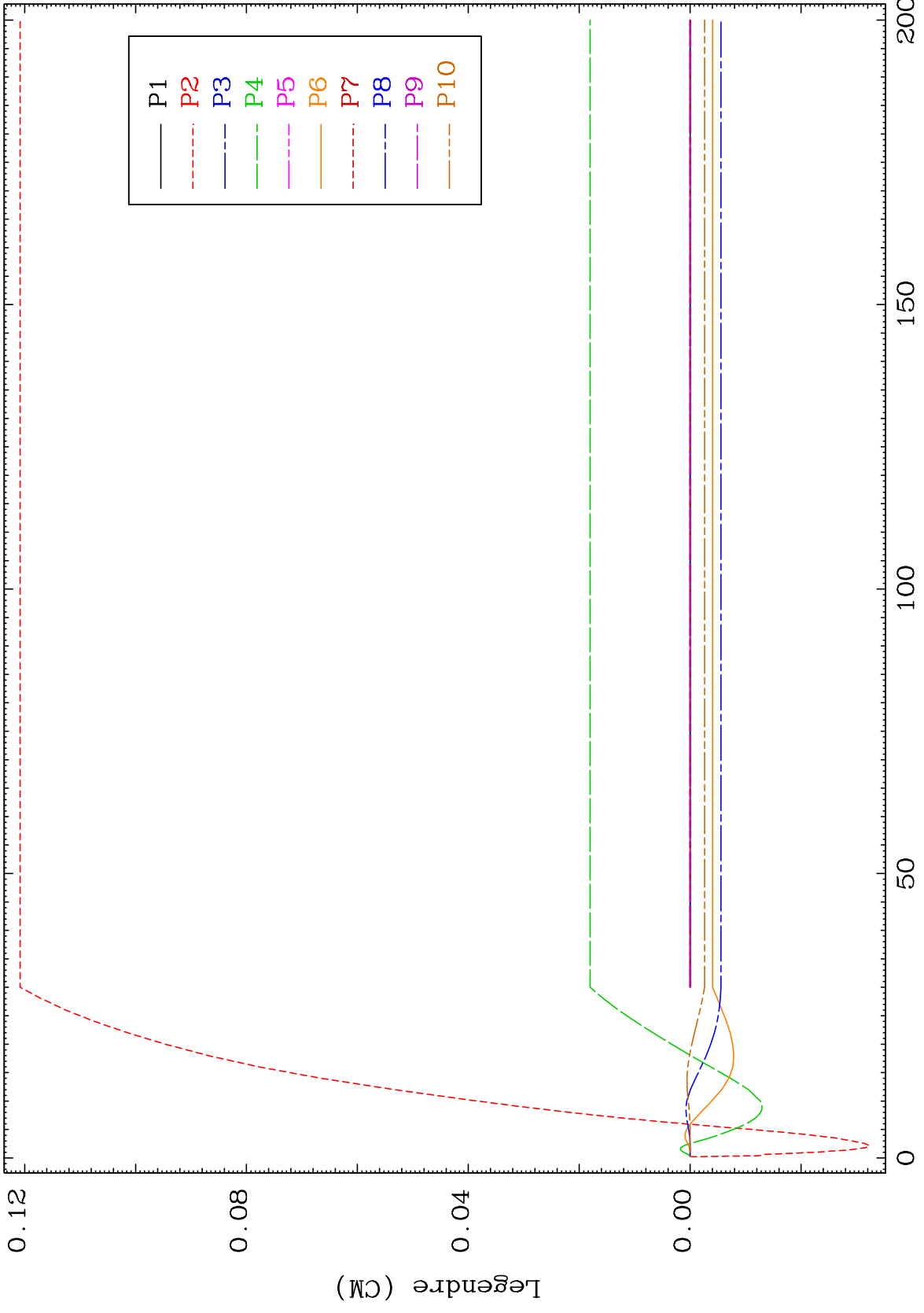
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



28

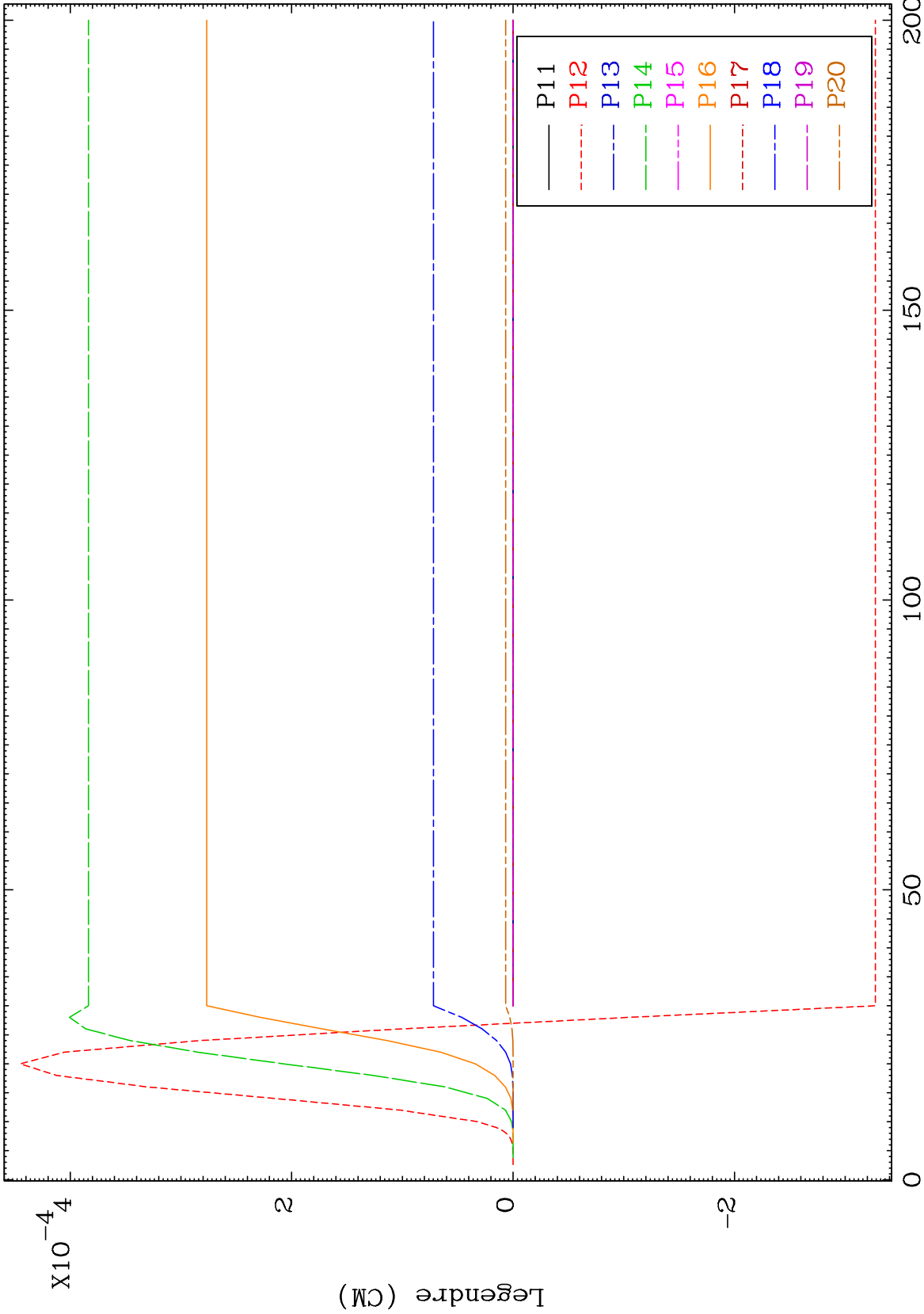
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



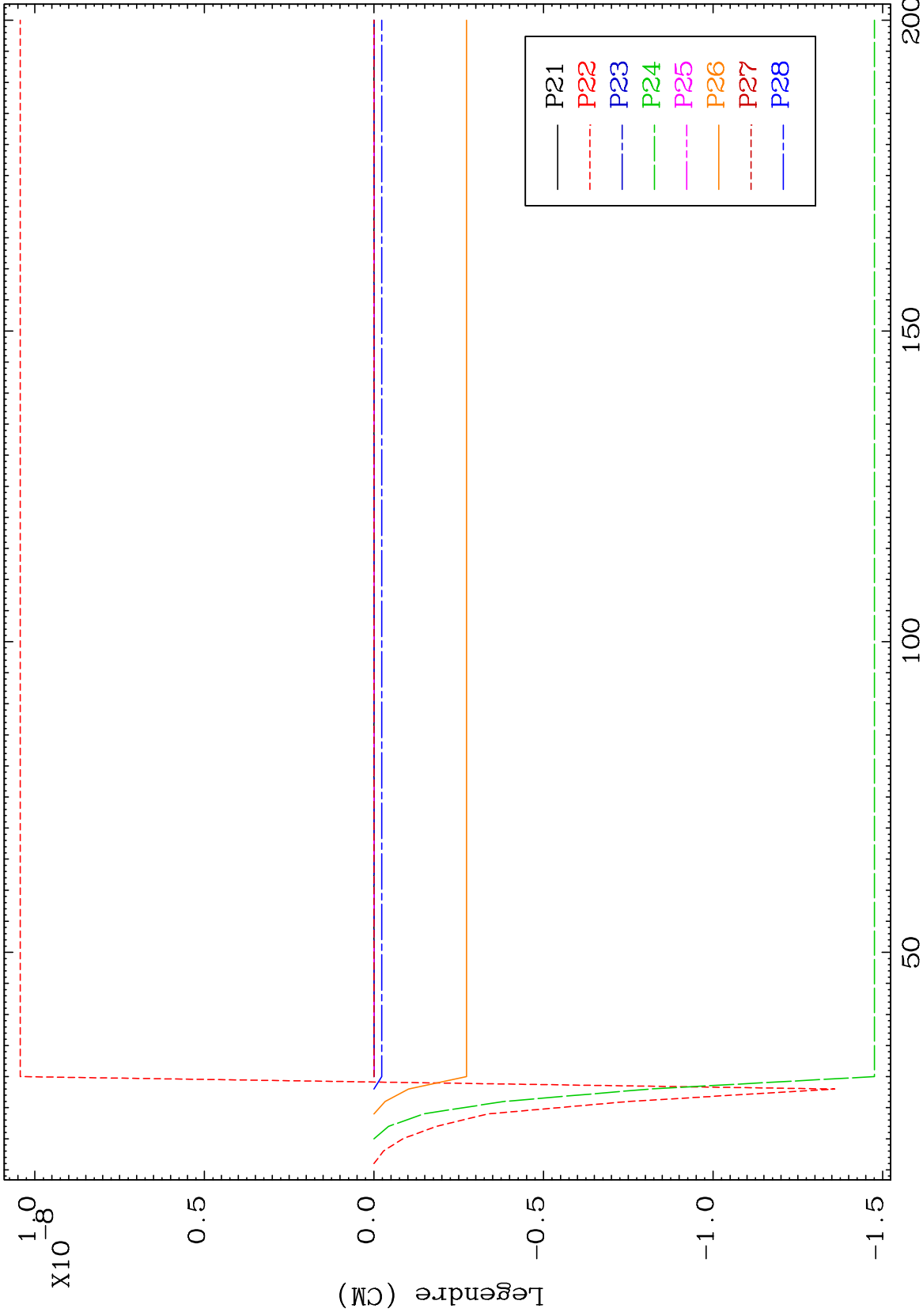
29

68-Er-167

MAT 6840

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

68-Er-167



30

Incident Energy (MeV)

150

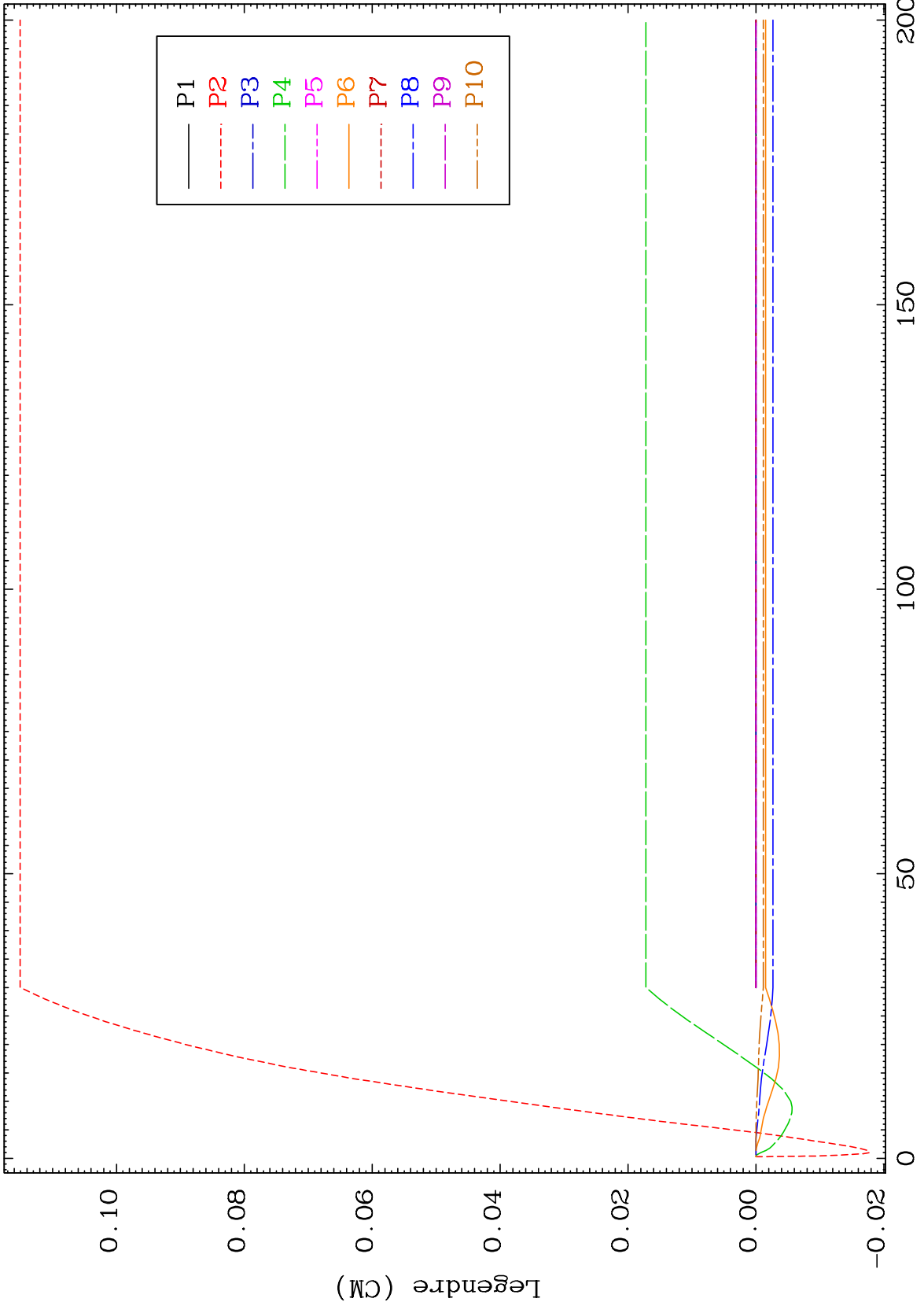
200

68-Er-167

MAT 6840

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

68-Er-167



31

Incident Energy (MeV)

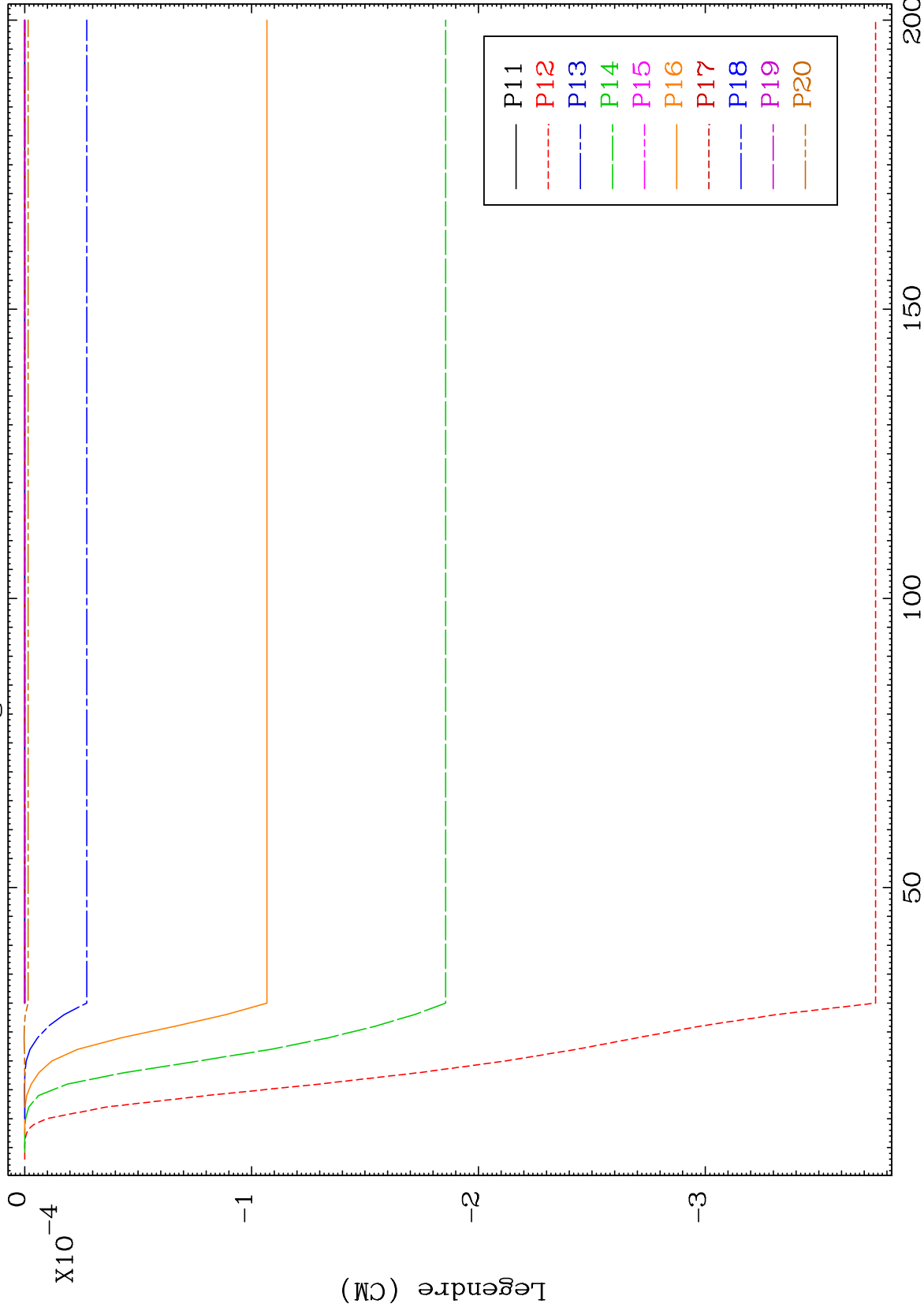
68-Er-167



MAT 6840

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

68-Er-167



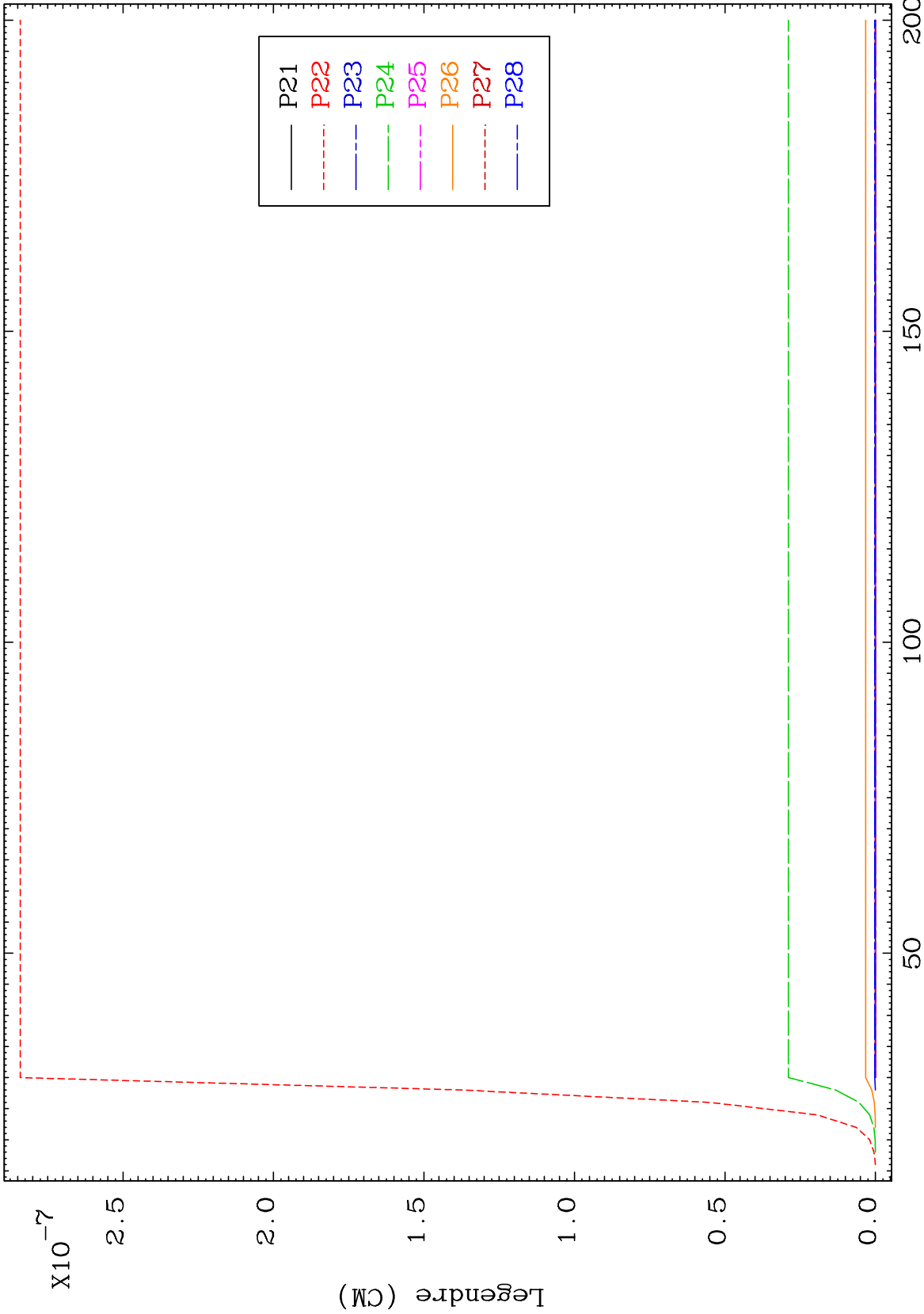
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68-Er-167

MAT 6840

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

68-Er-167



33

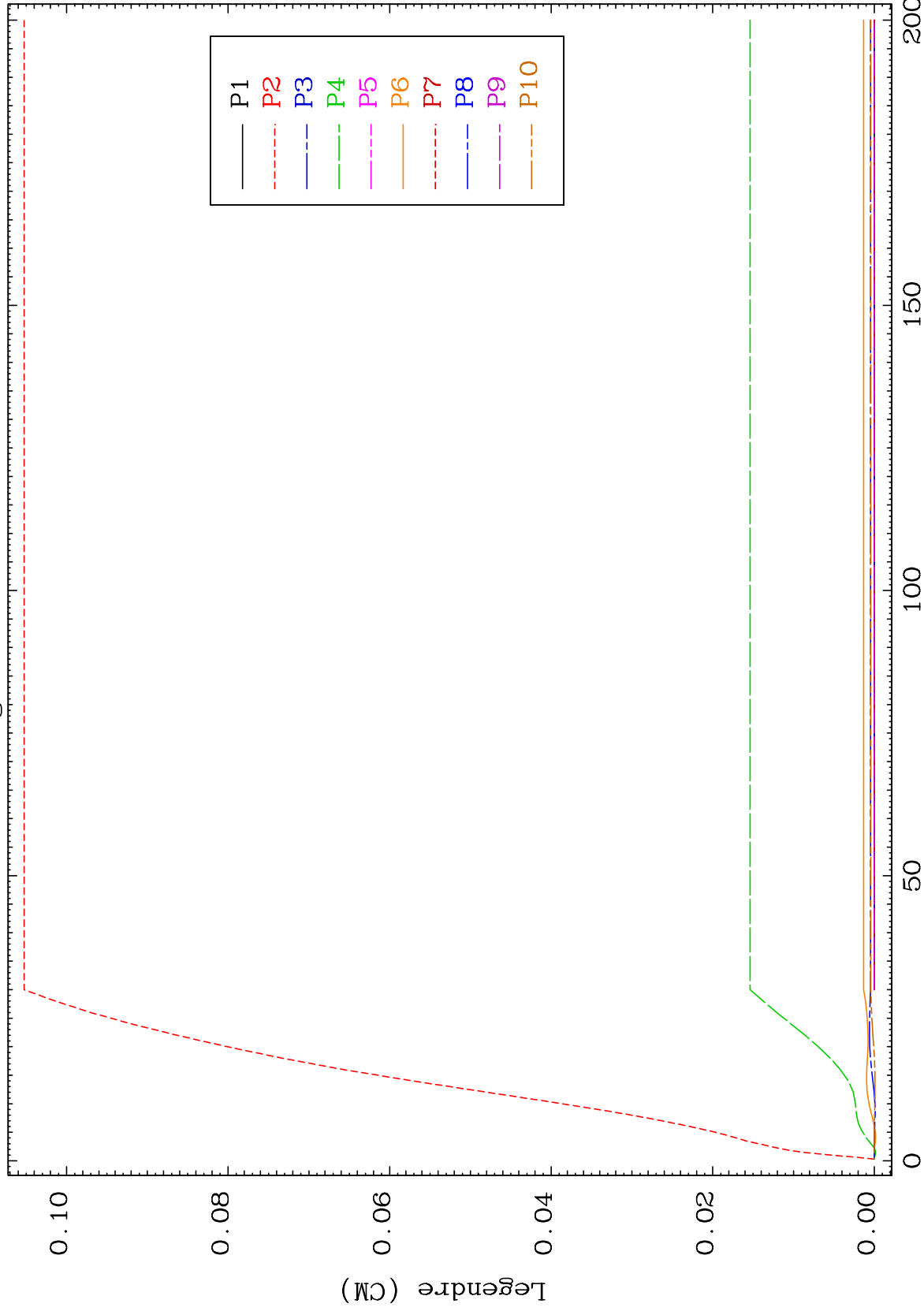
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



34

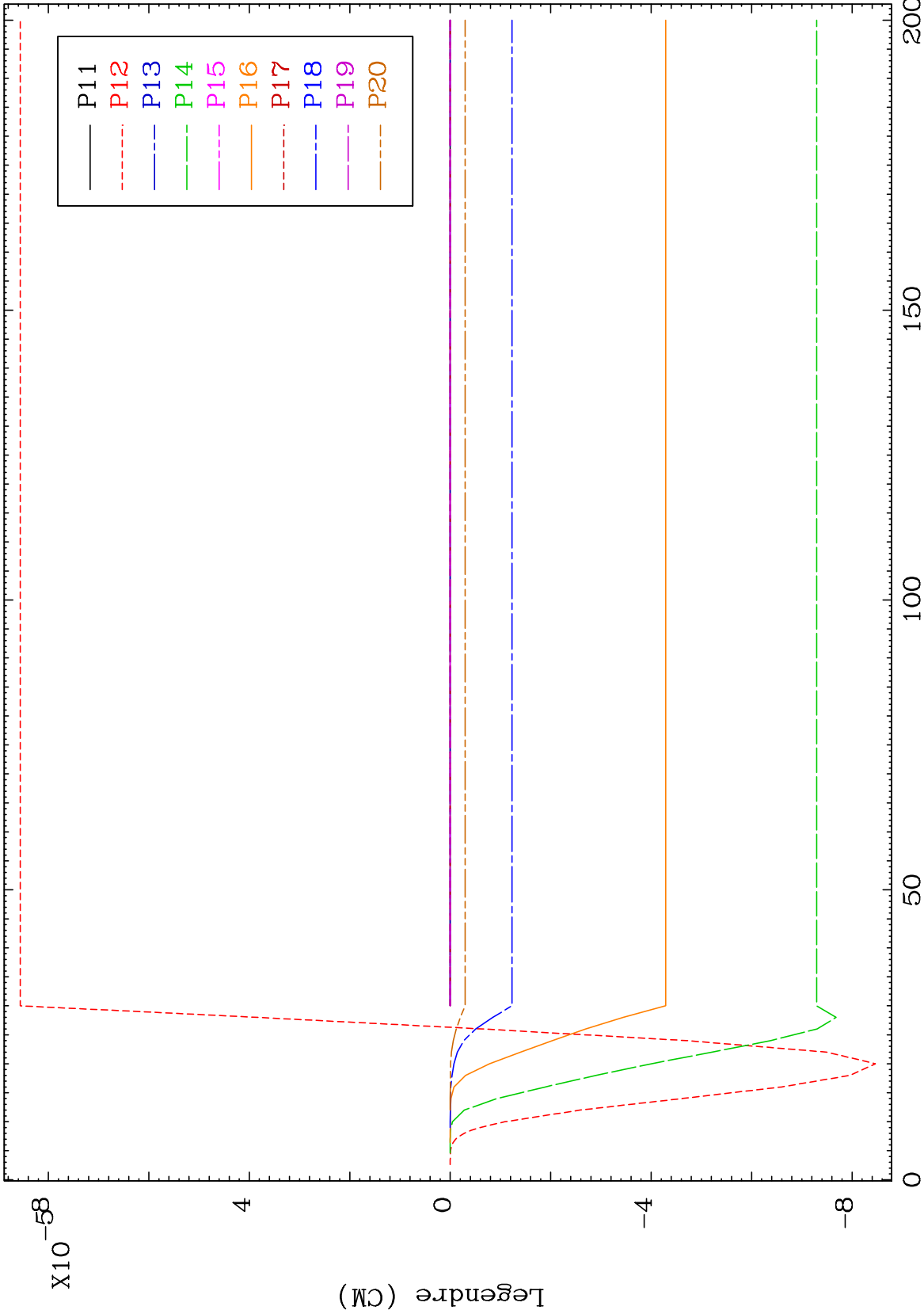
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



35

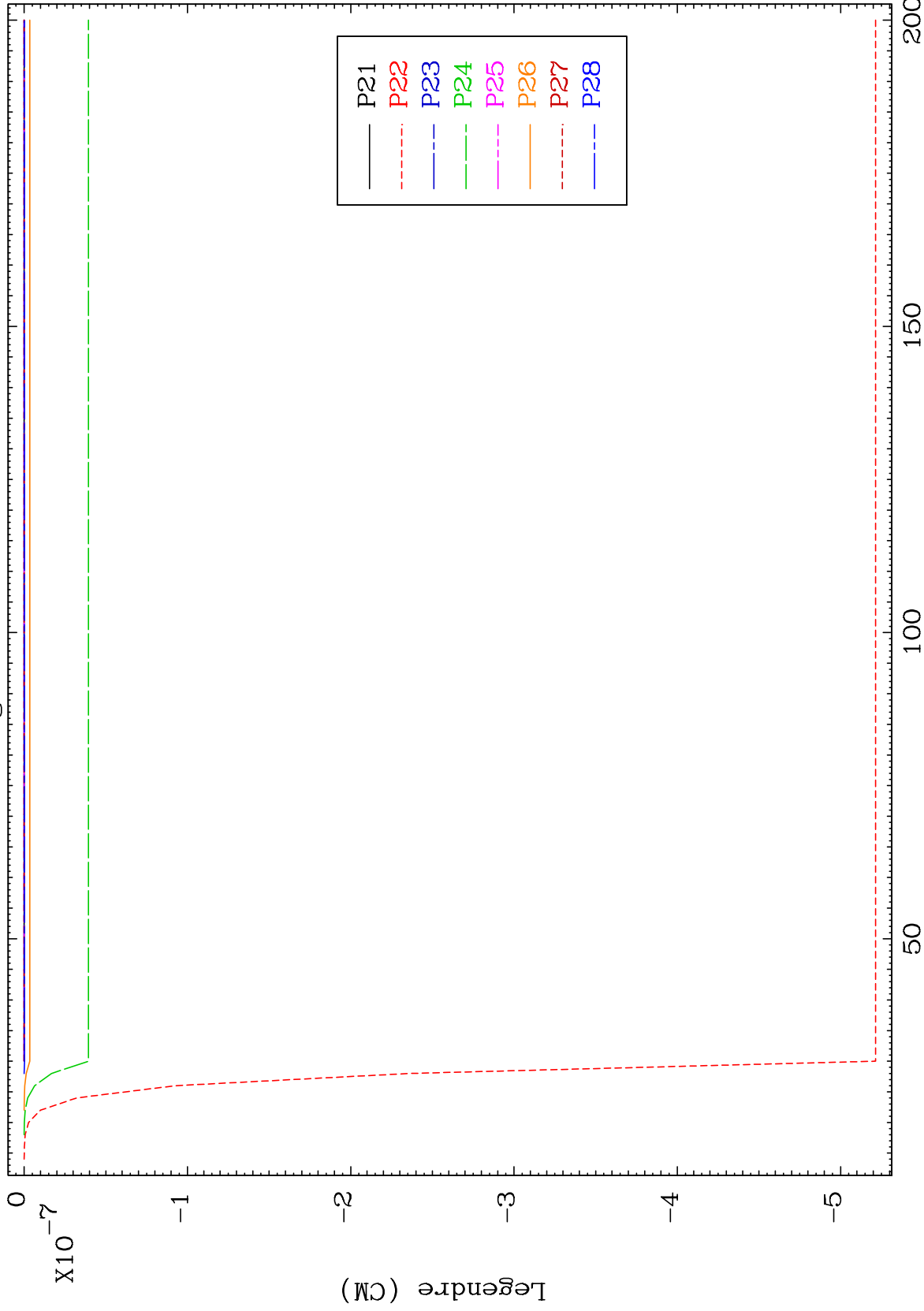
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



36

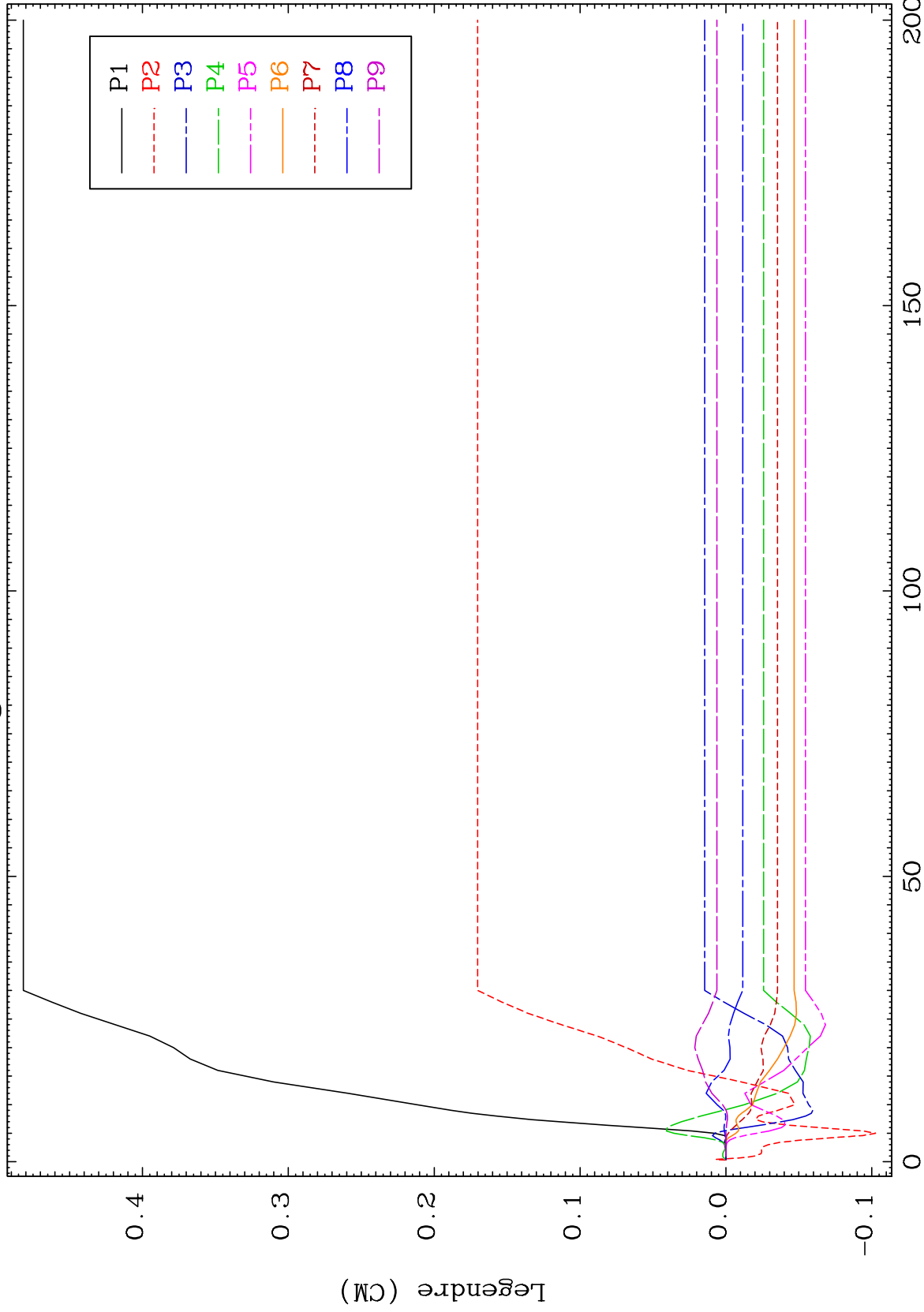
68-Er-167

68-Er-167

MAT 6840

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

68-Er-167



37

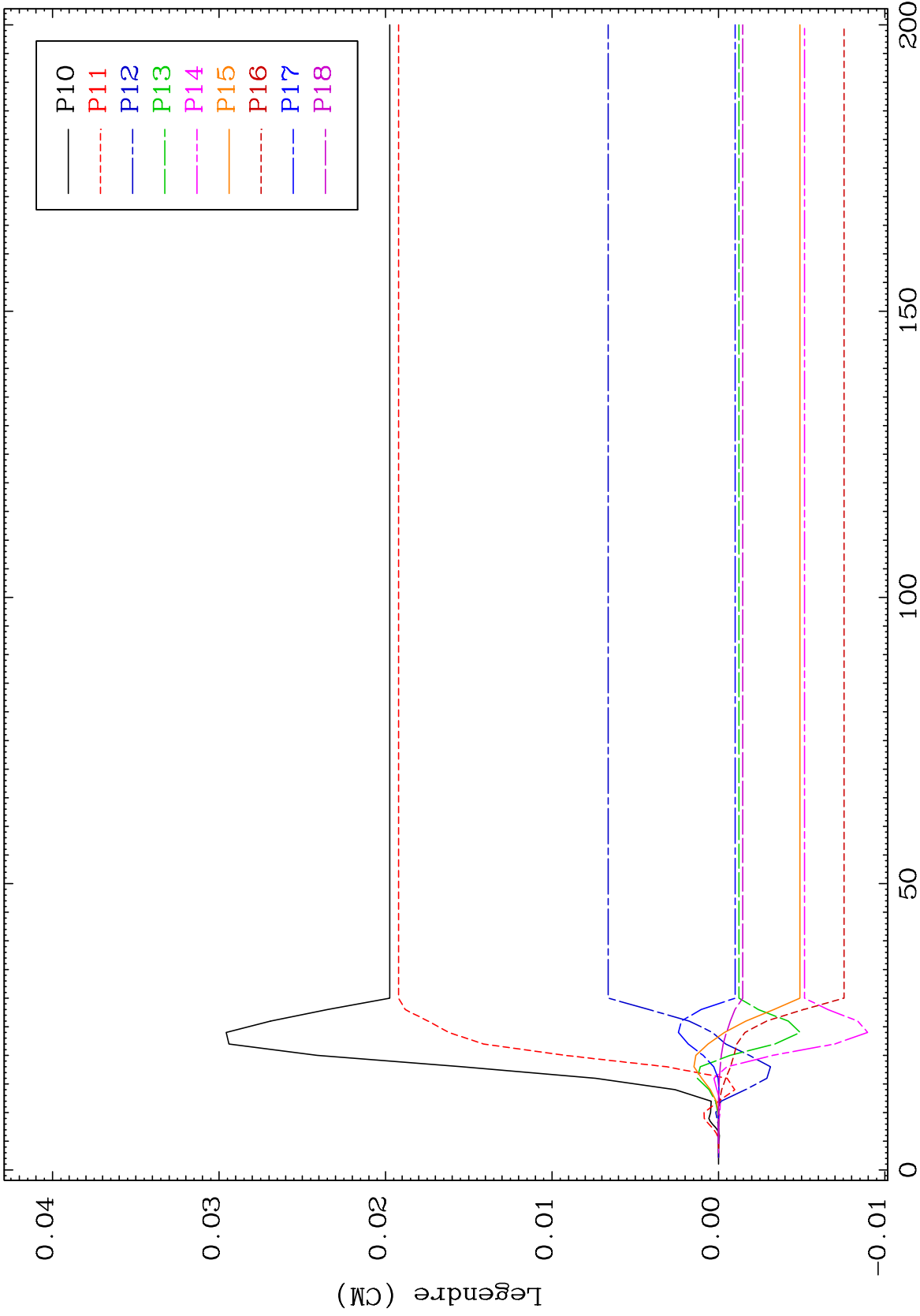
Incident Energy (MeV)

68-Er-167

MAT 6840

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

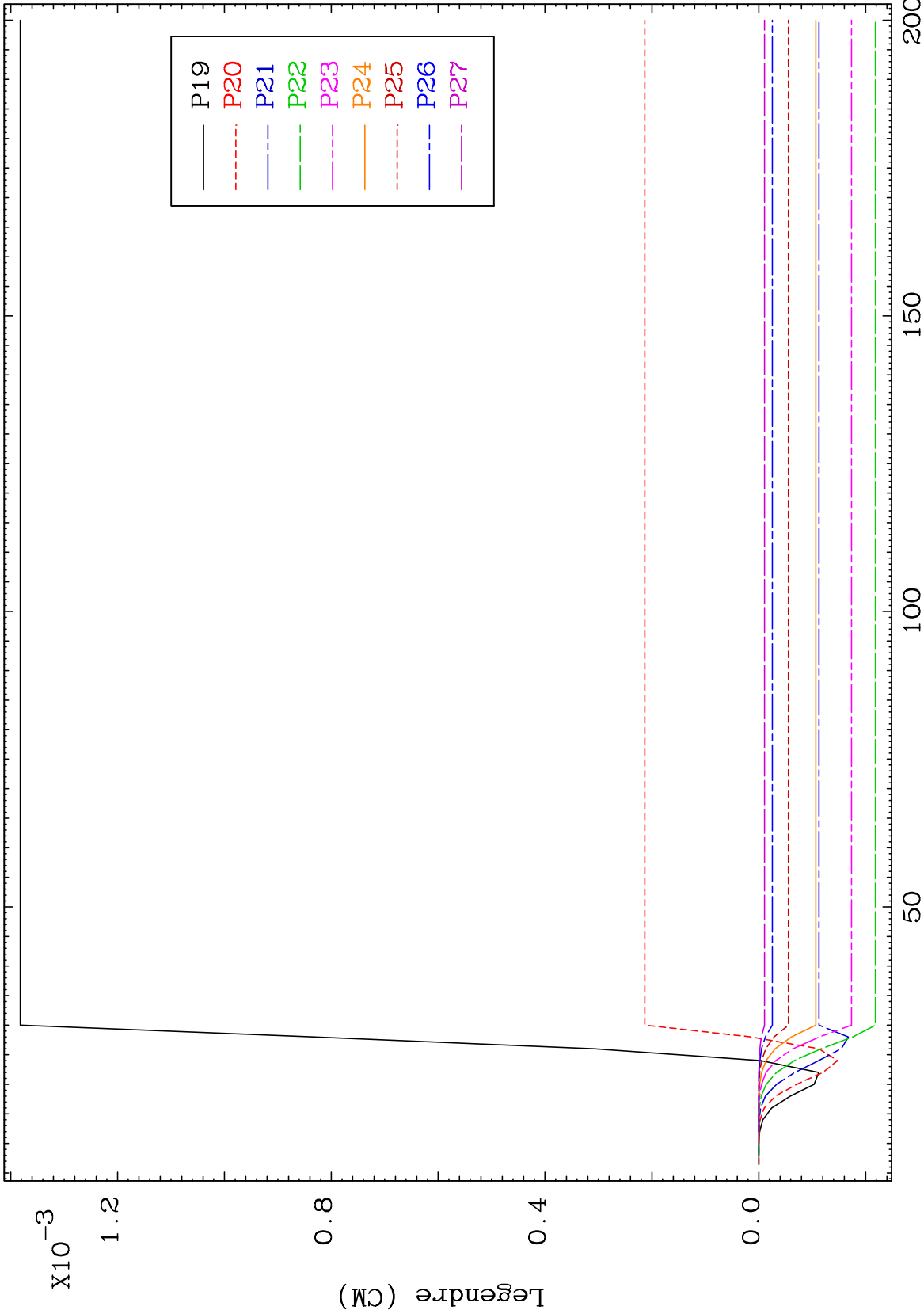
68-Er-167



38

Incident Energy (MeV)

68-Er-167

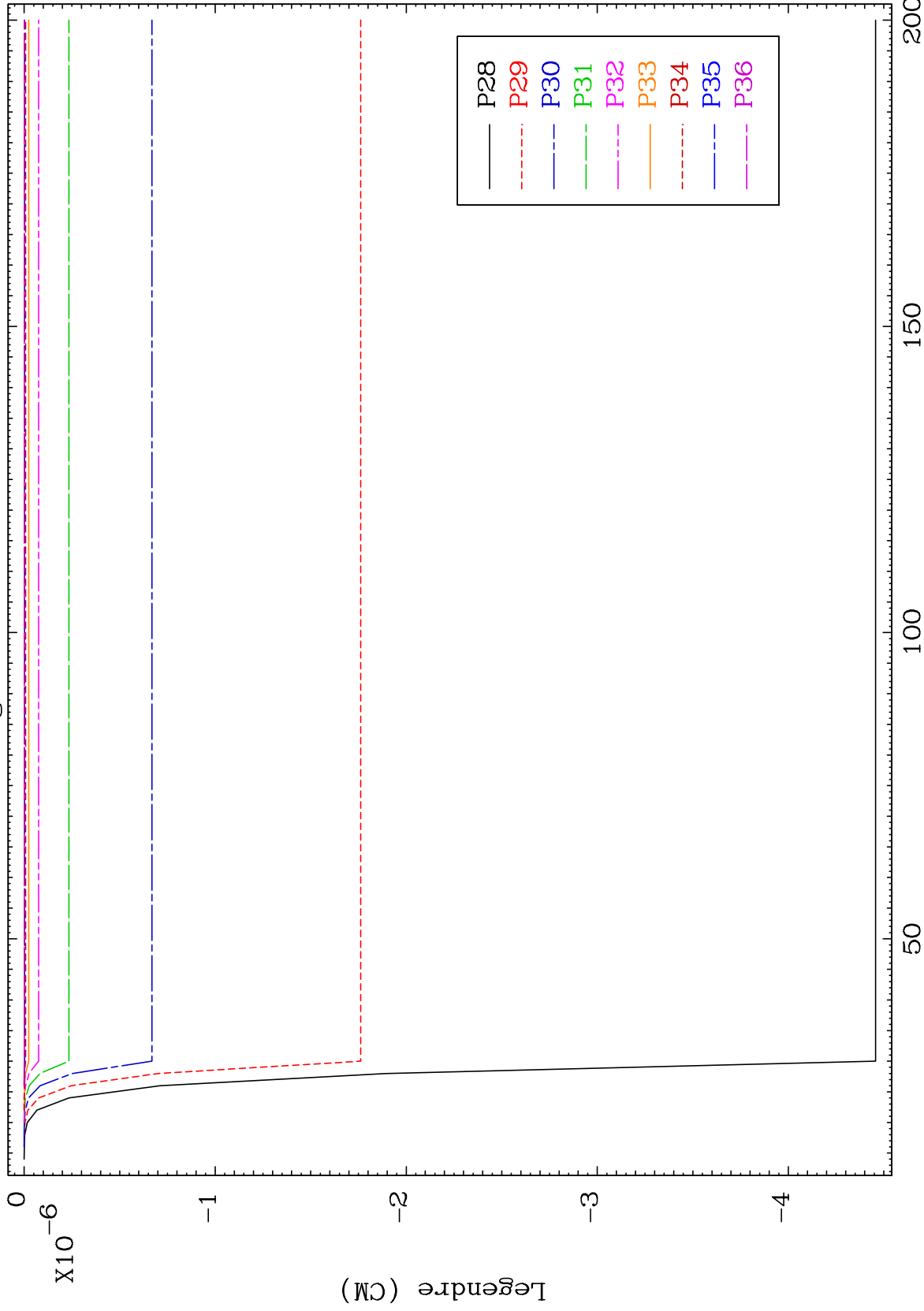




MAT 6840

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

68-Er-167



68-Er-167

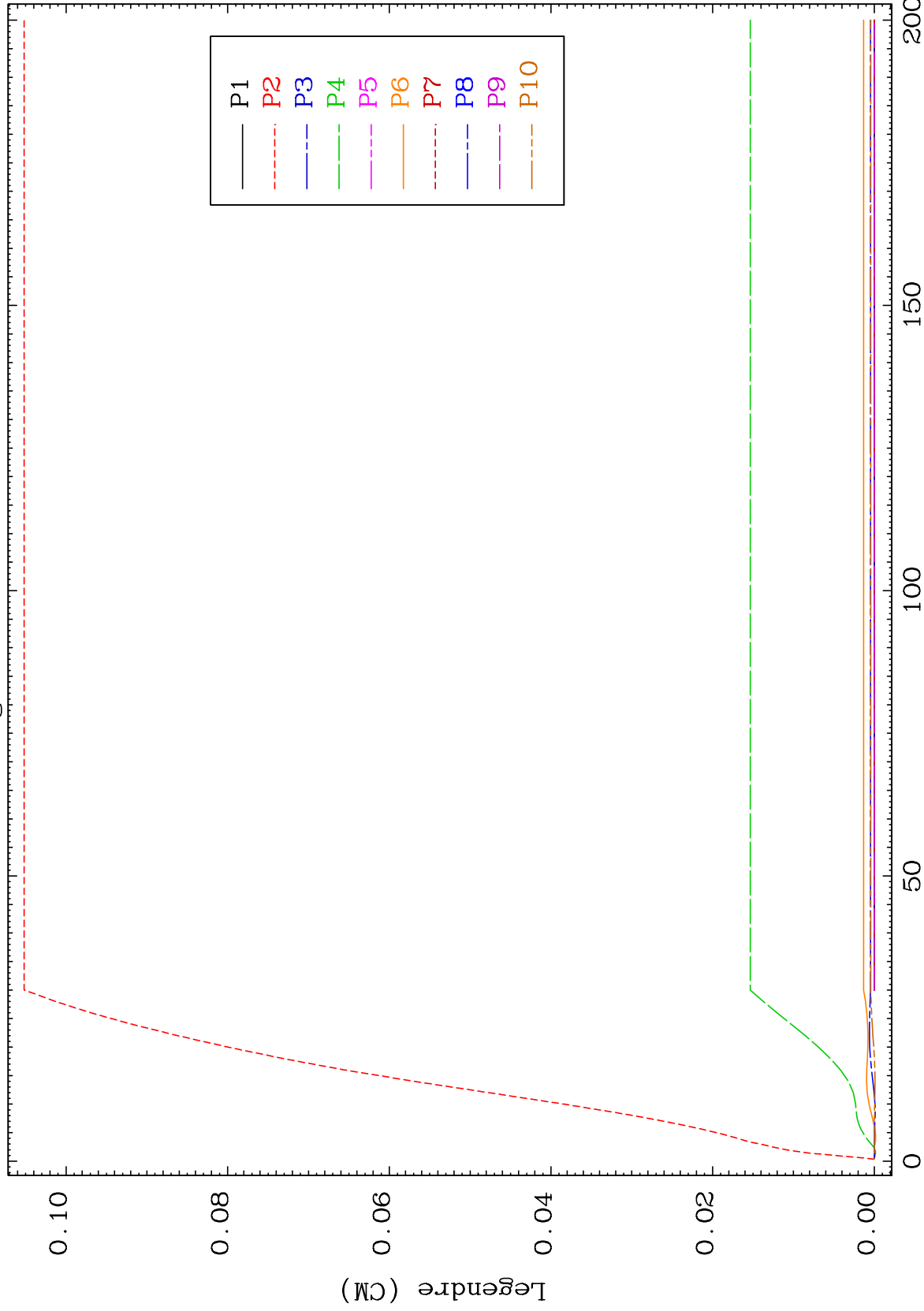
Incident Energy (MeV)

40

MAT 6840

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

68-Er-167



41

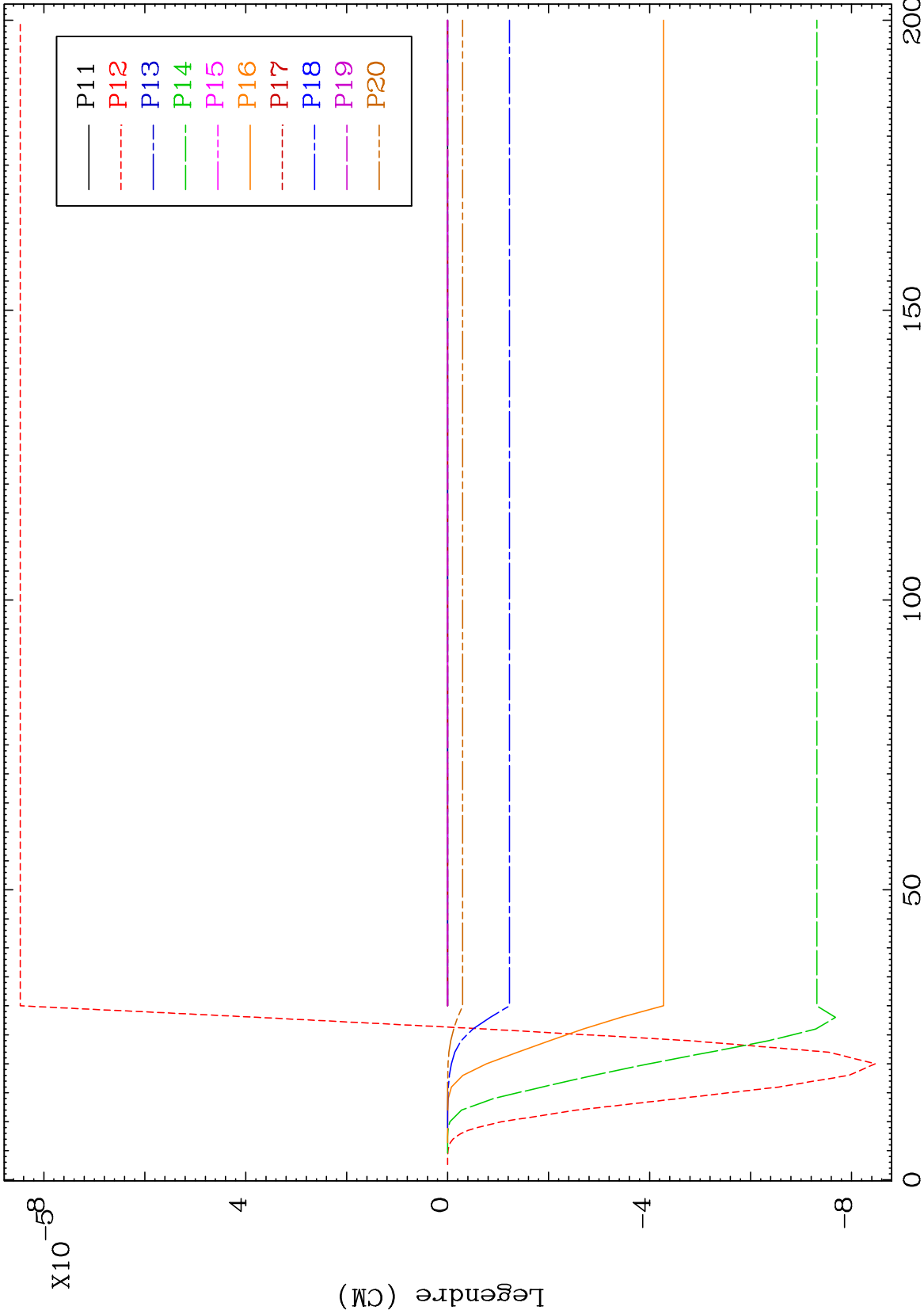
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



42

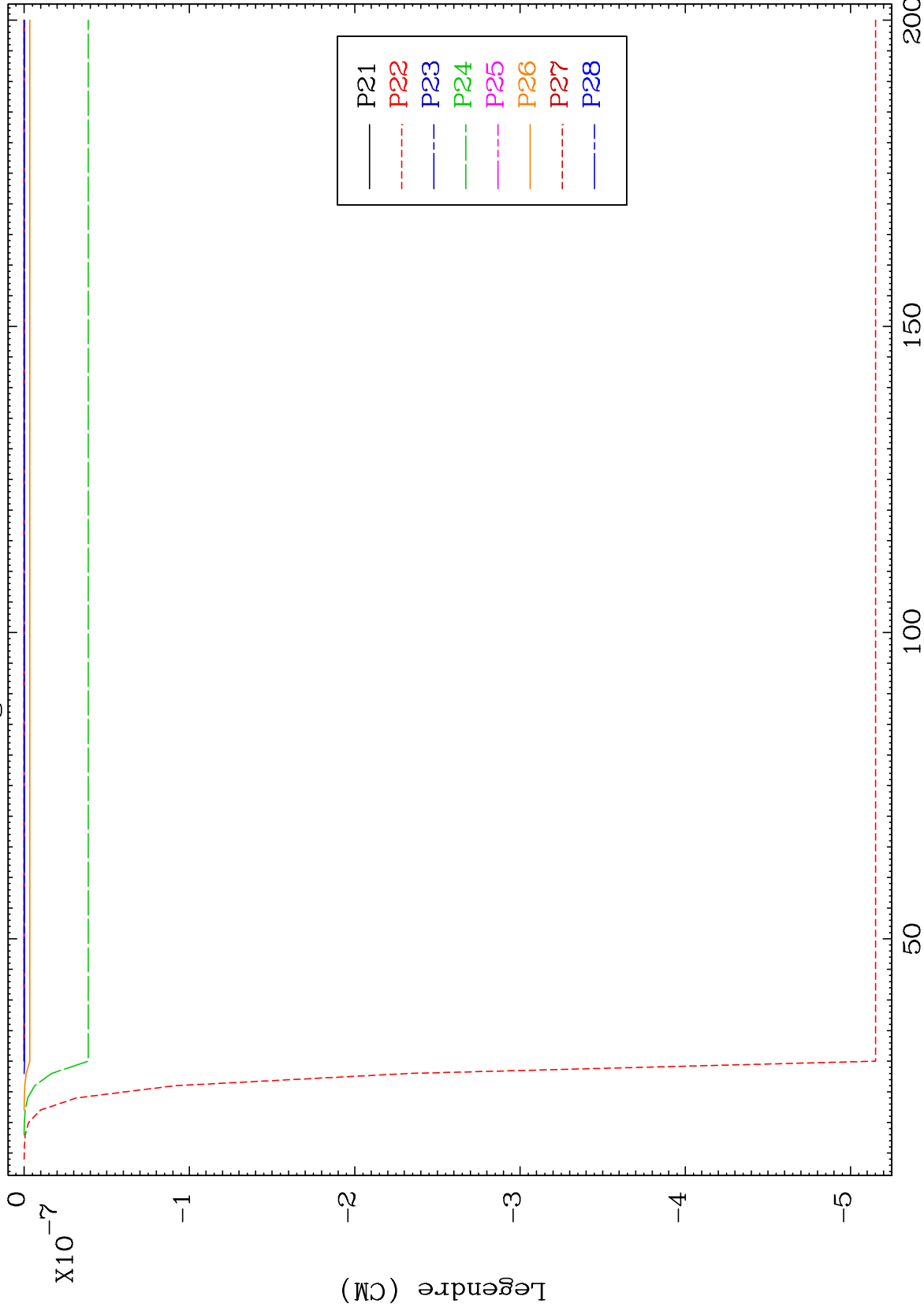
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



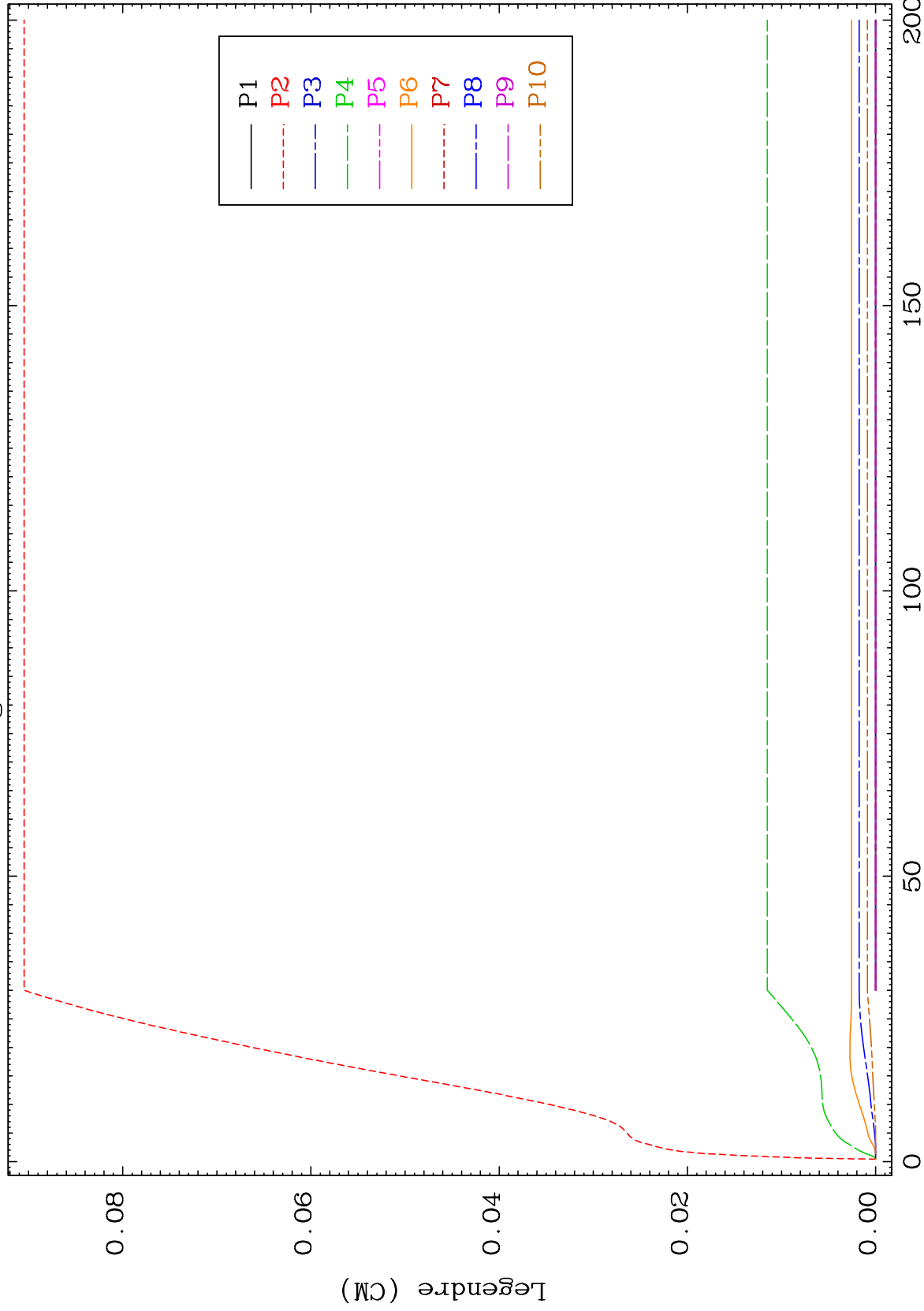
43

68-Er-167

MAT 6840

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

68-Er-167



44

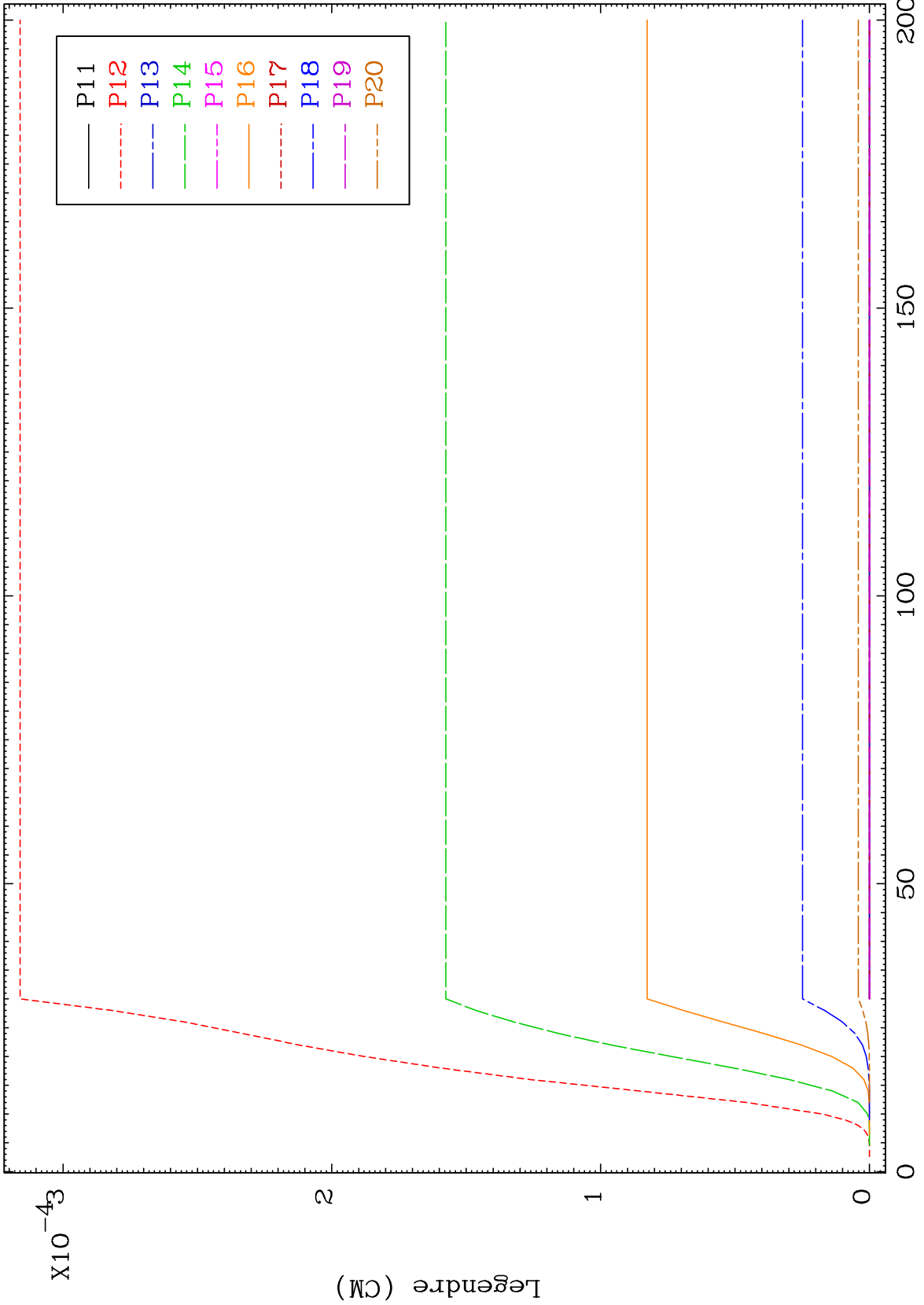
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



45

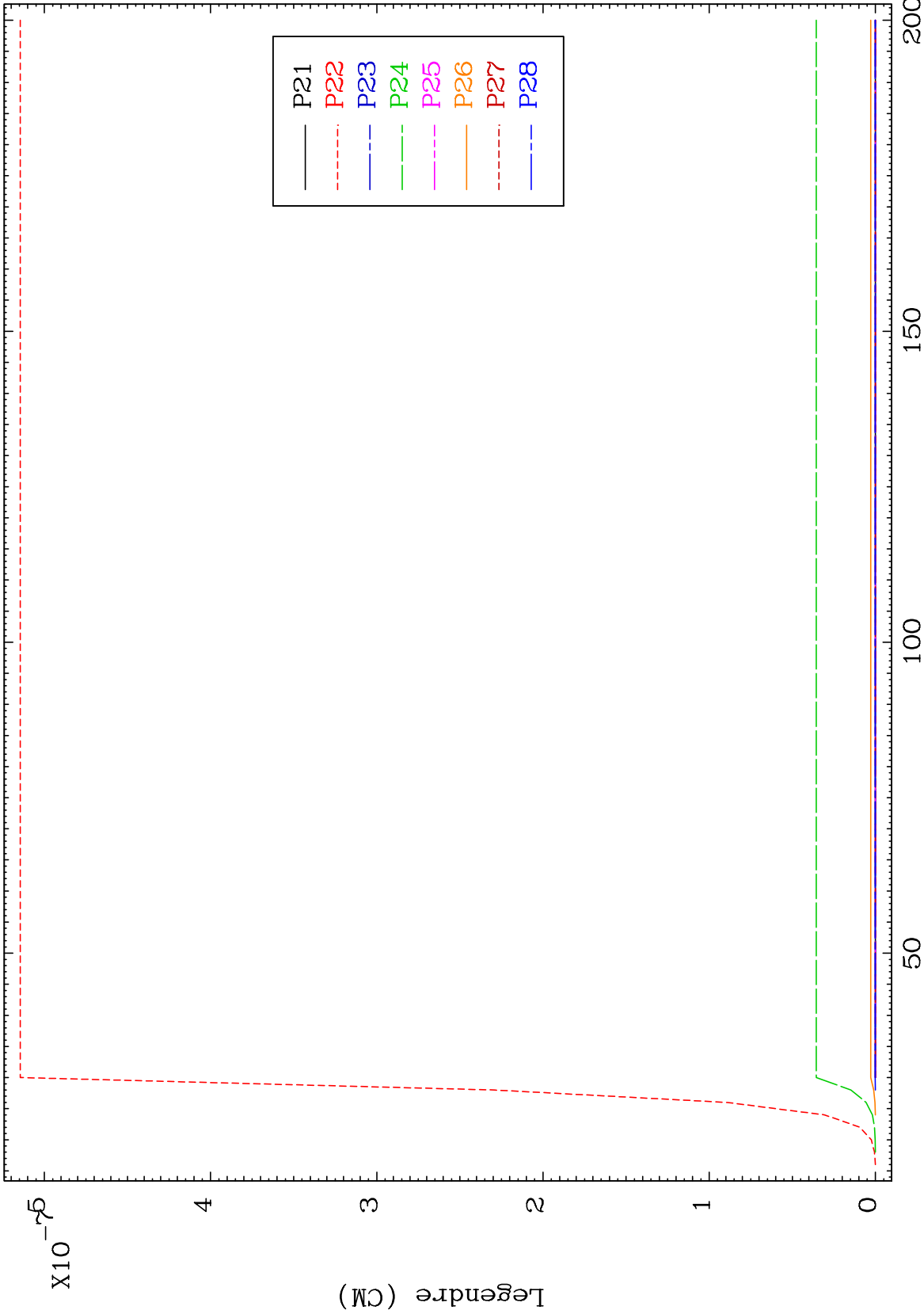
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



46

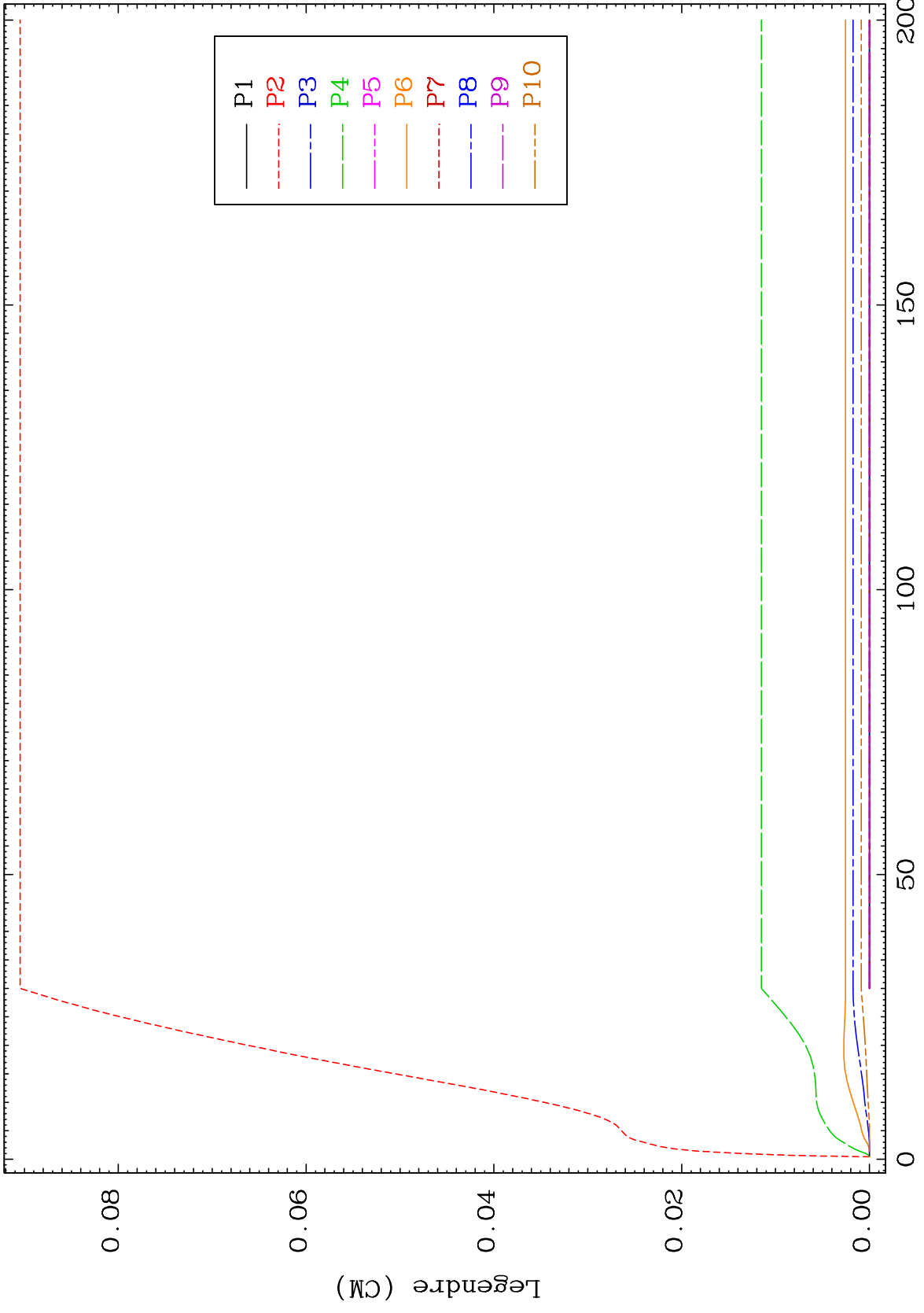
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



47

Incident Energy (MeV)

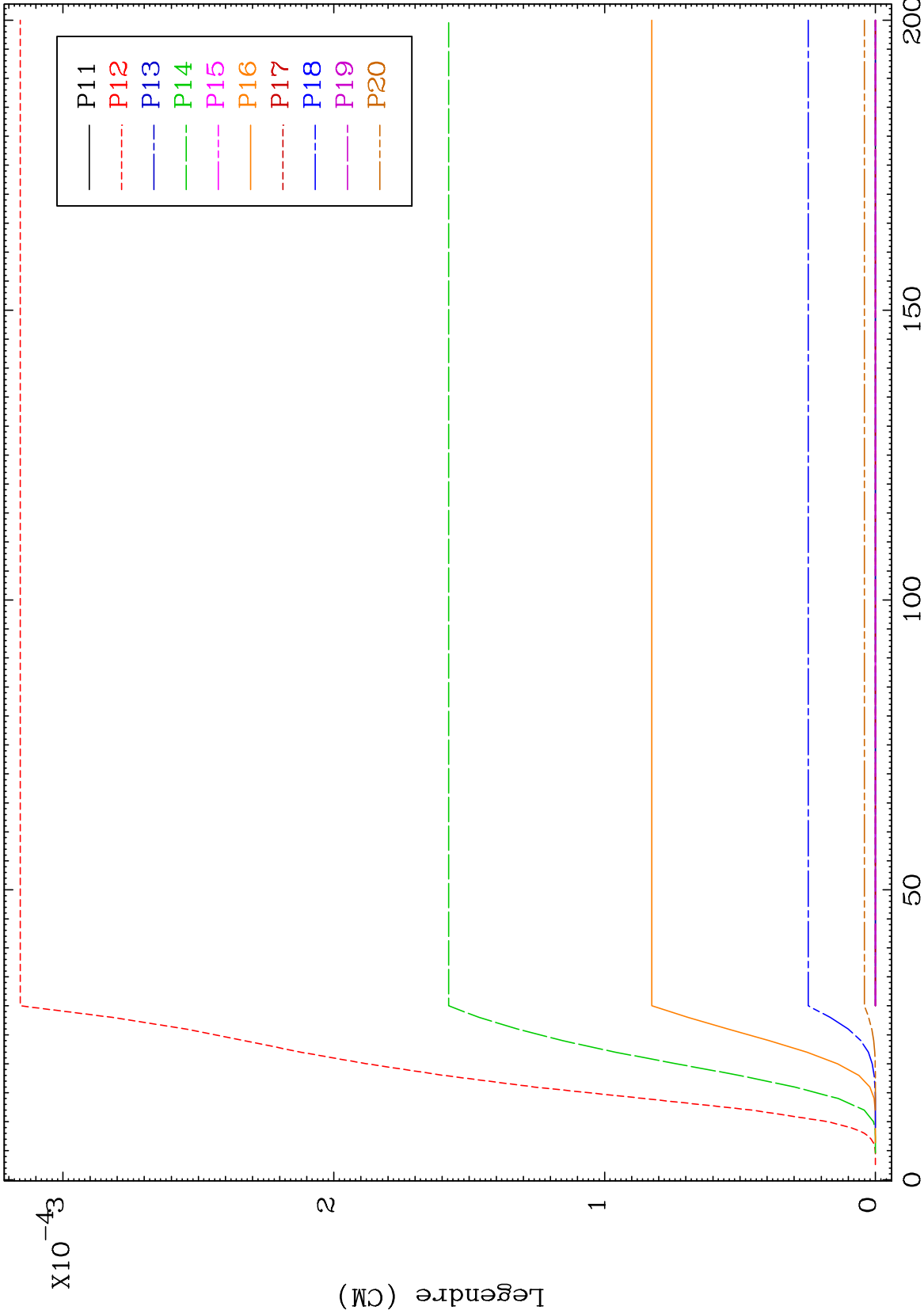
68-Er-167



MAT 6840

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

68-Er-167



48

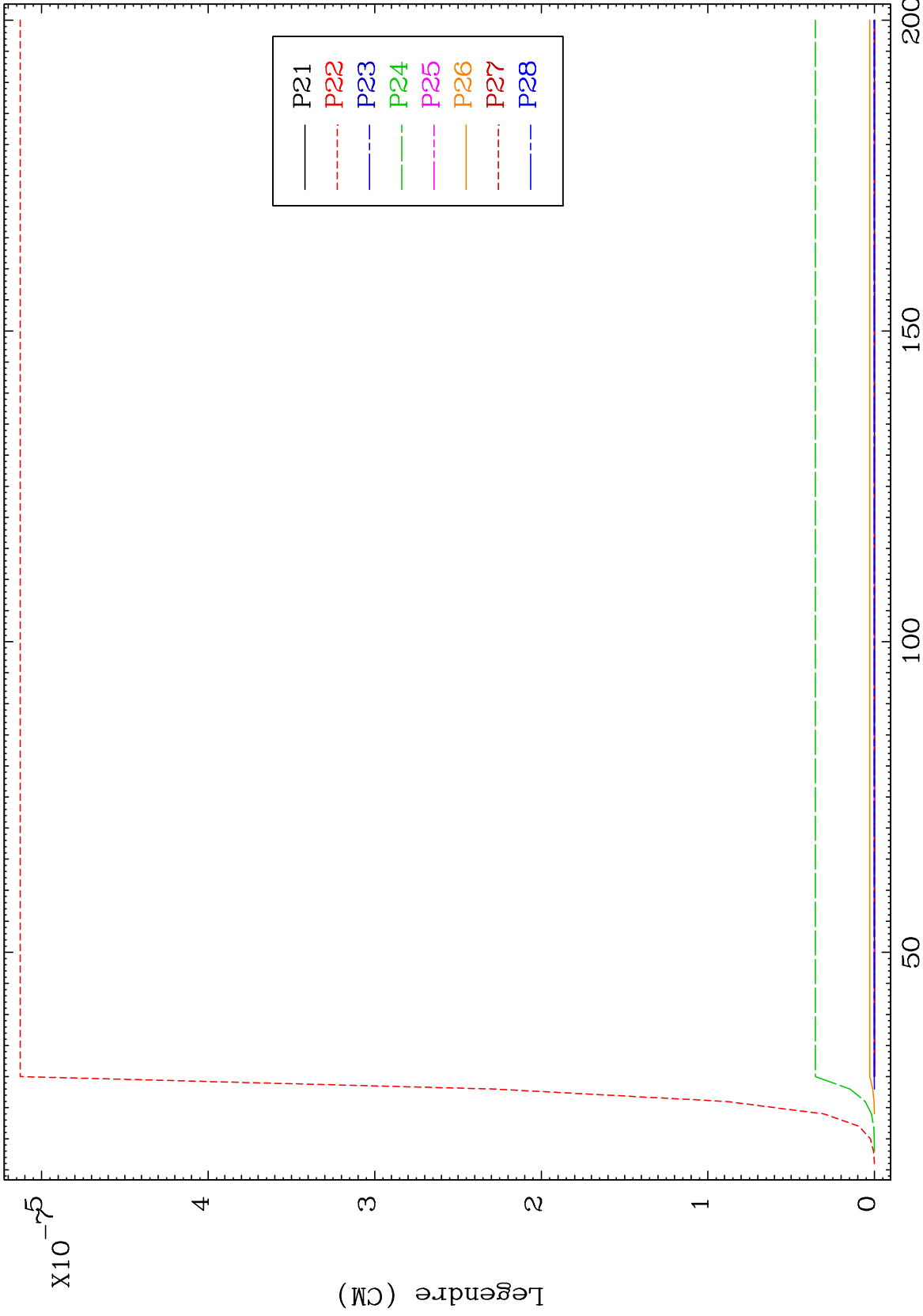
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



49

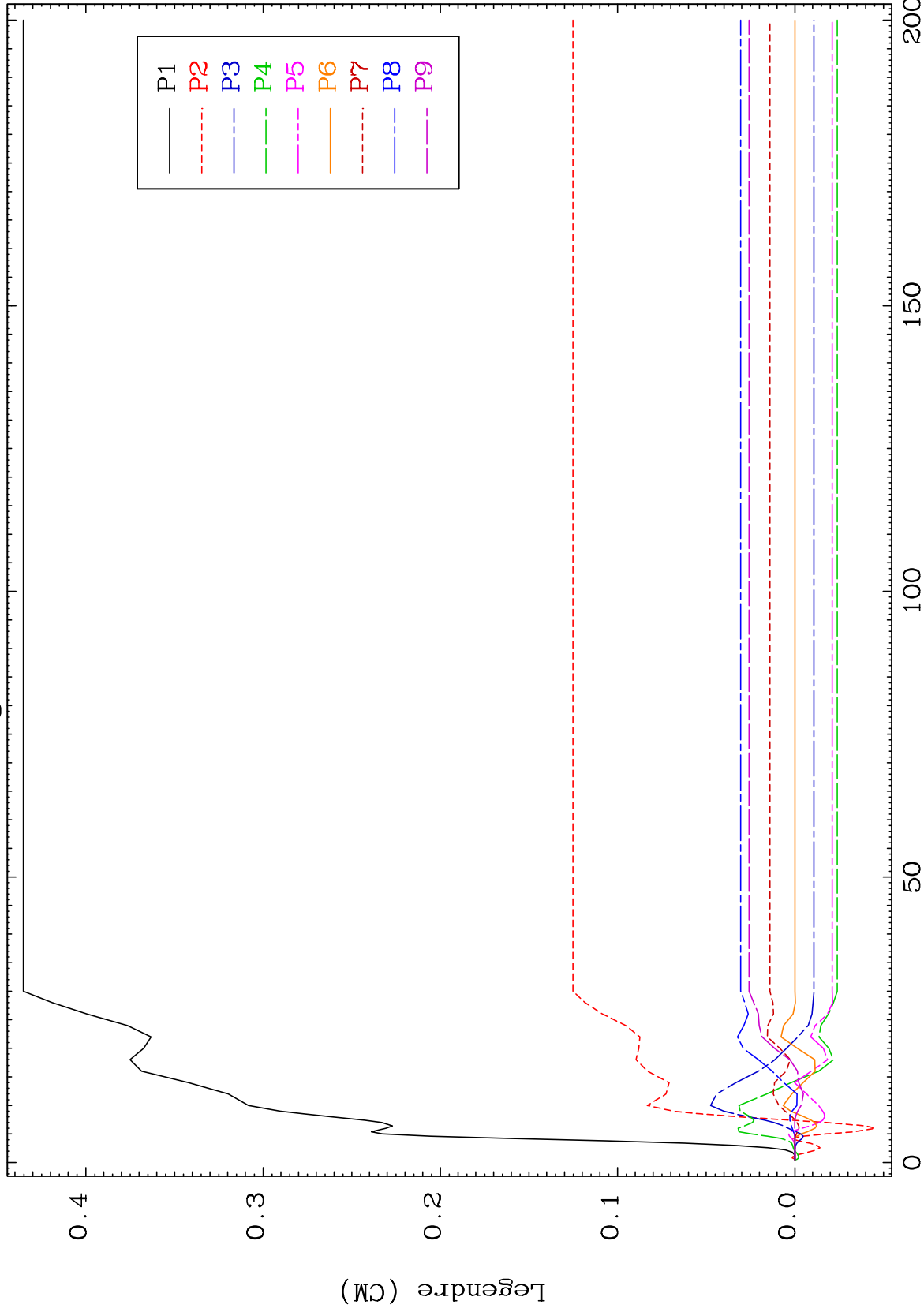
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



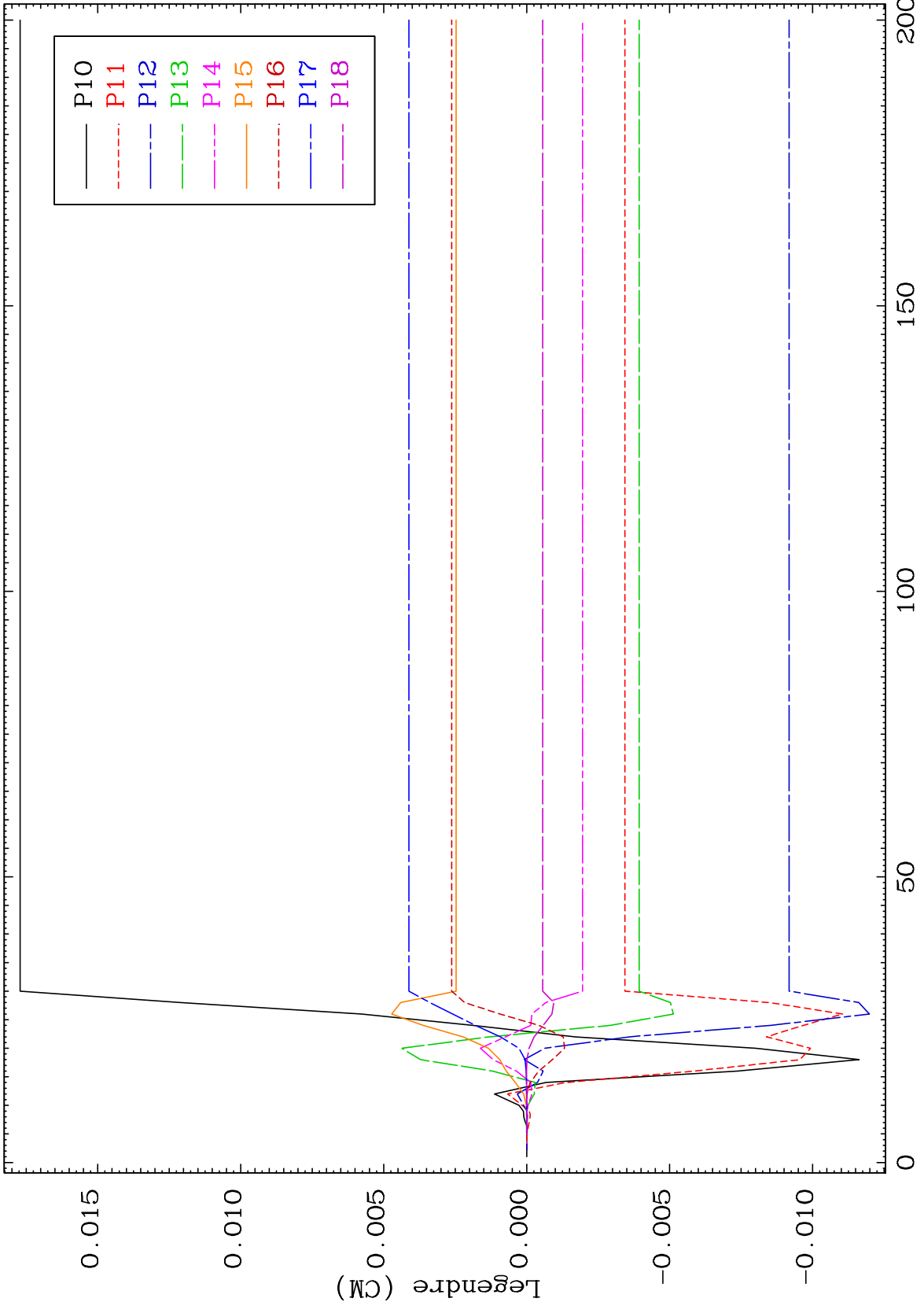
68-Er-167

Incident Energy (MeV)

MAT 6840

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

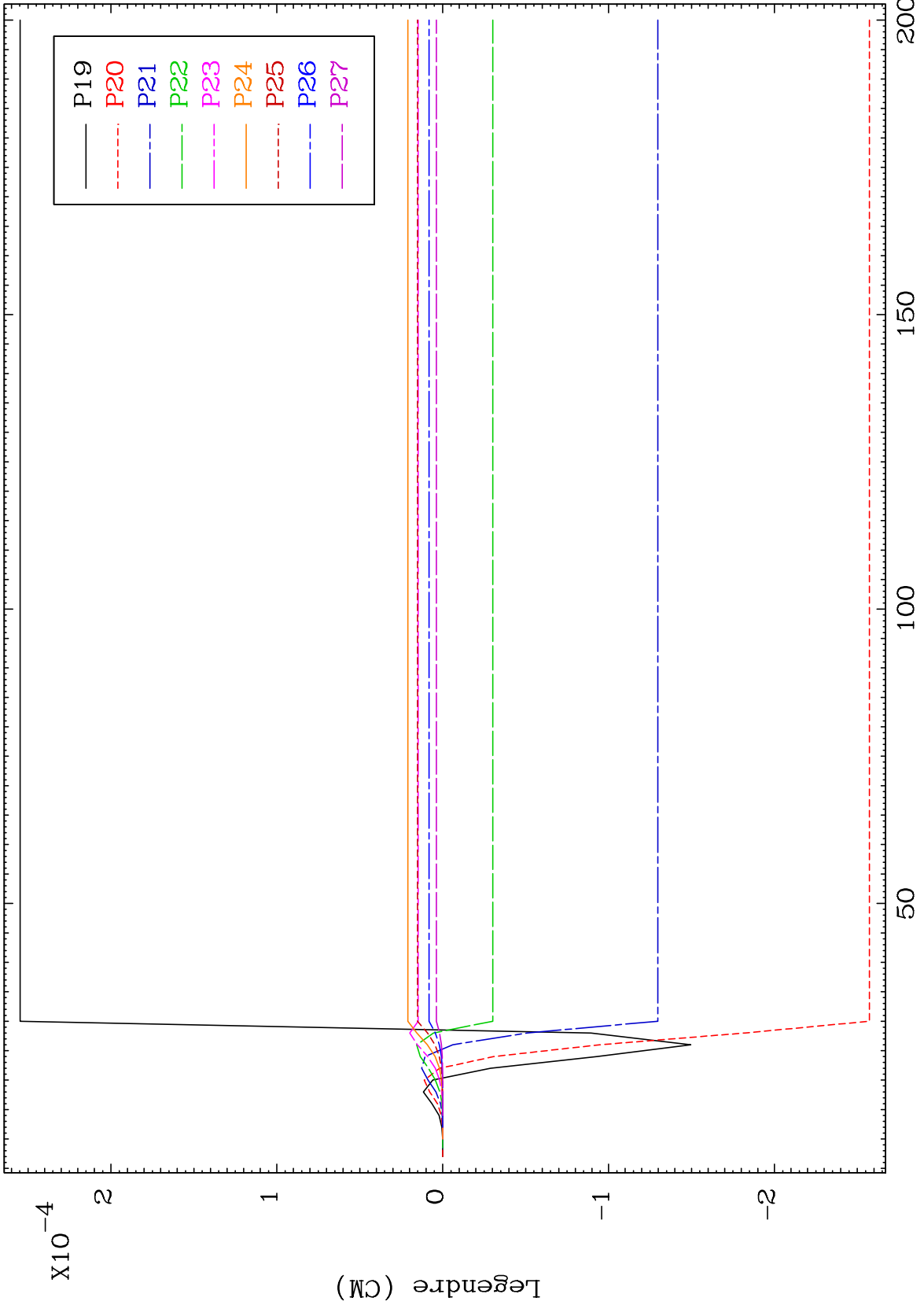
68-Er-167



51

Incident Energy (MeV)

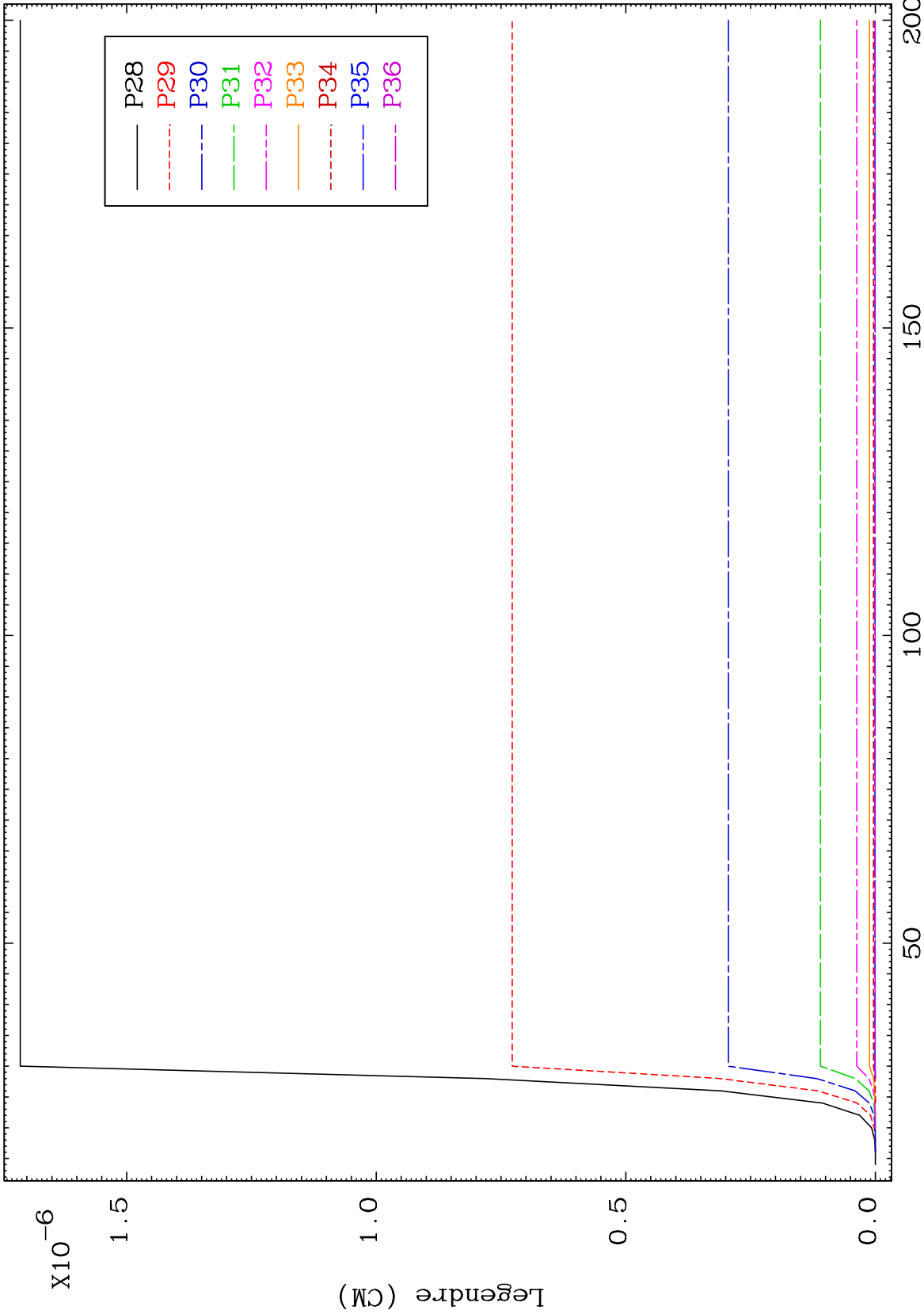
68-Er-167



MAT 6840

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

68-Er-167



53

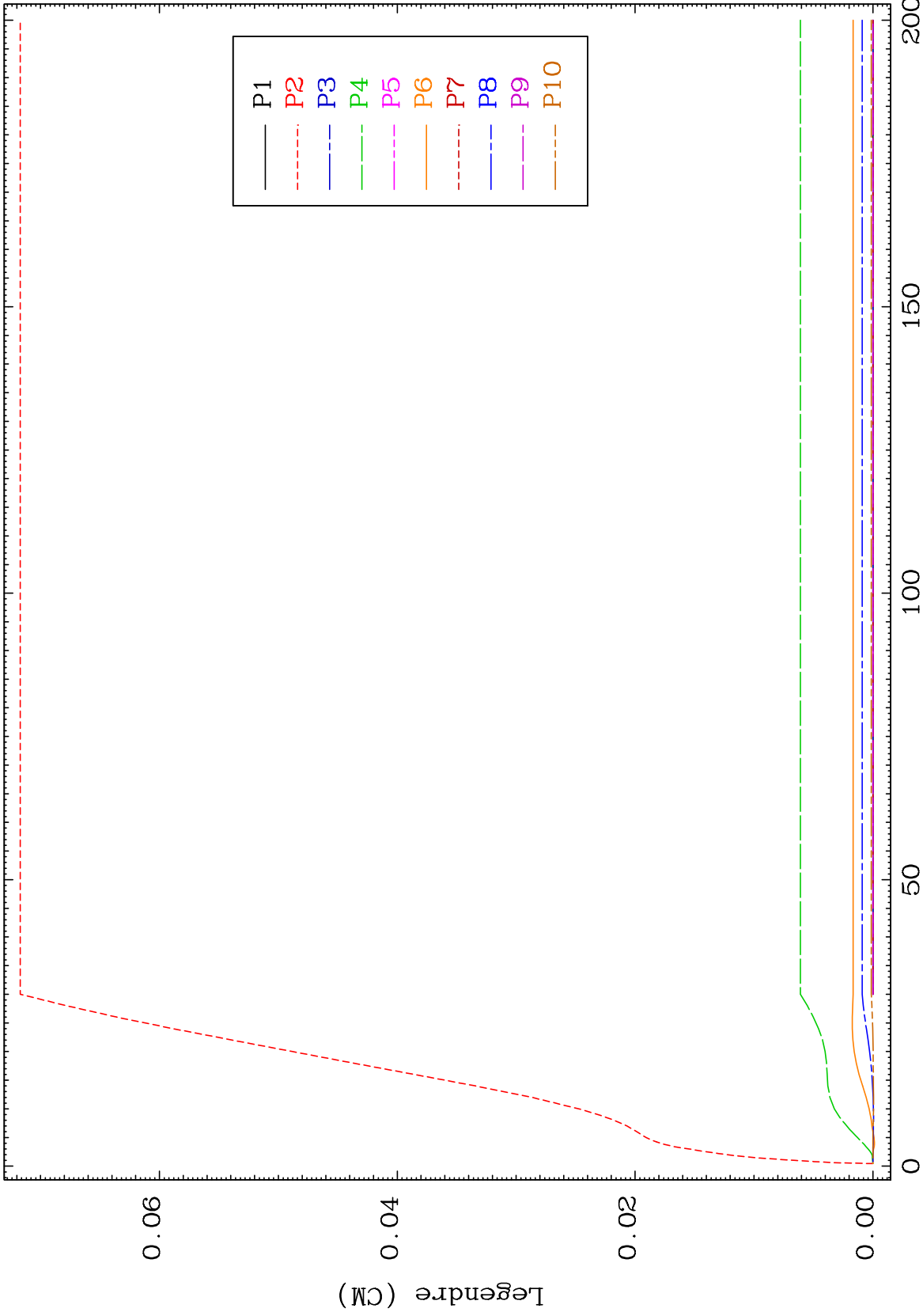
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



54

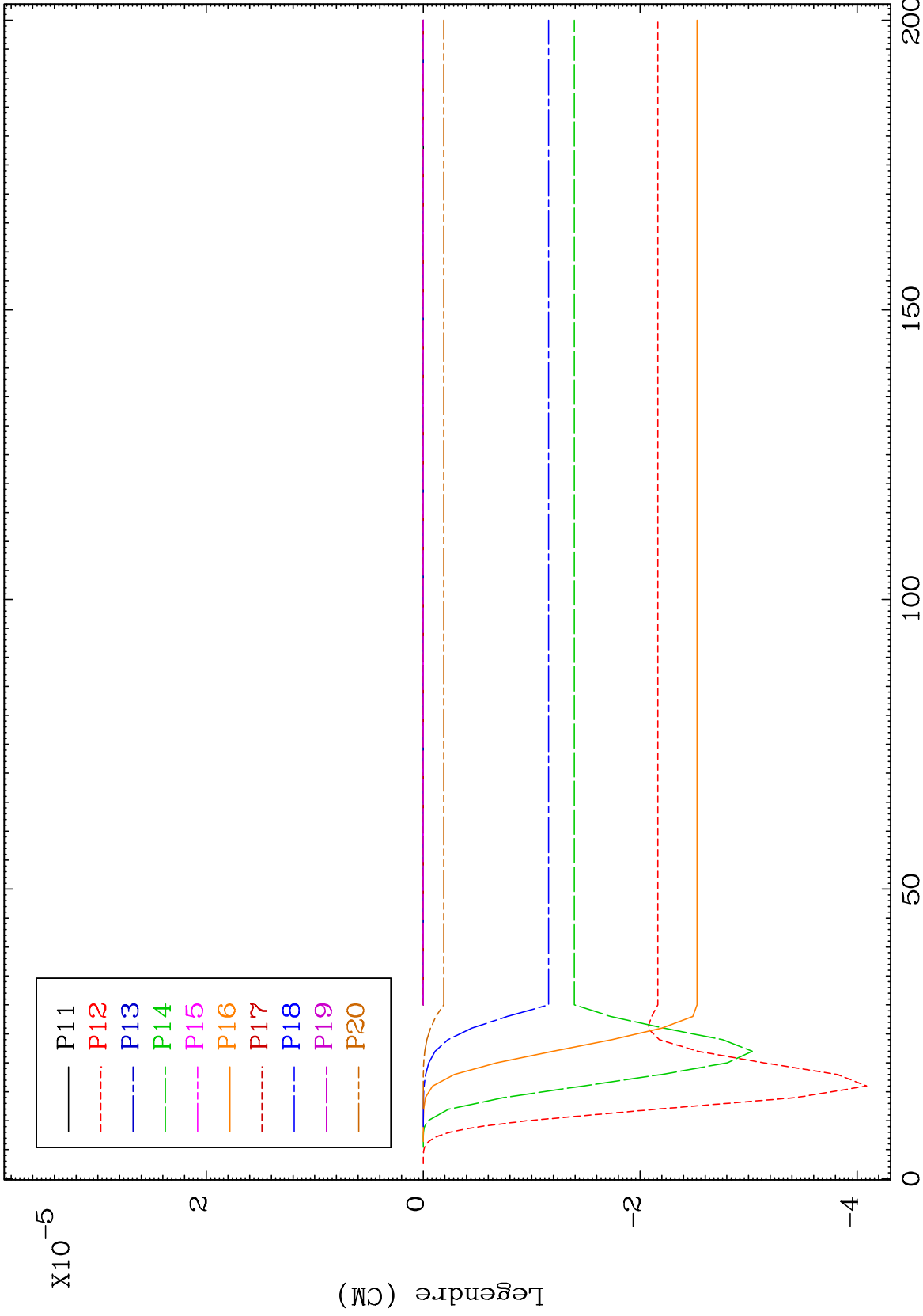
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



55

Incident Energy (MeV)

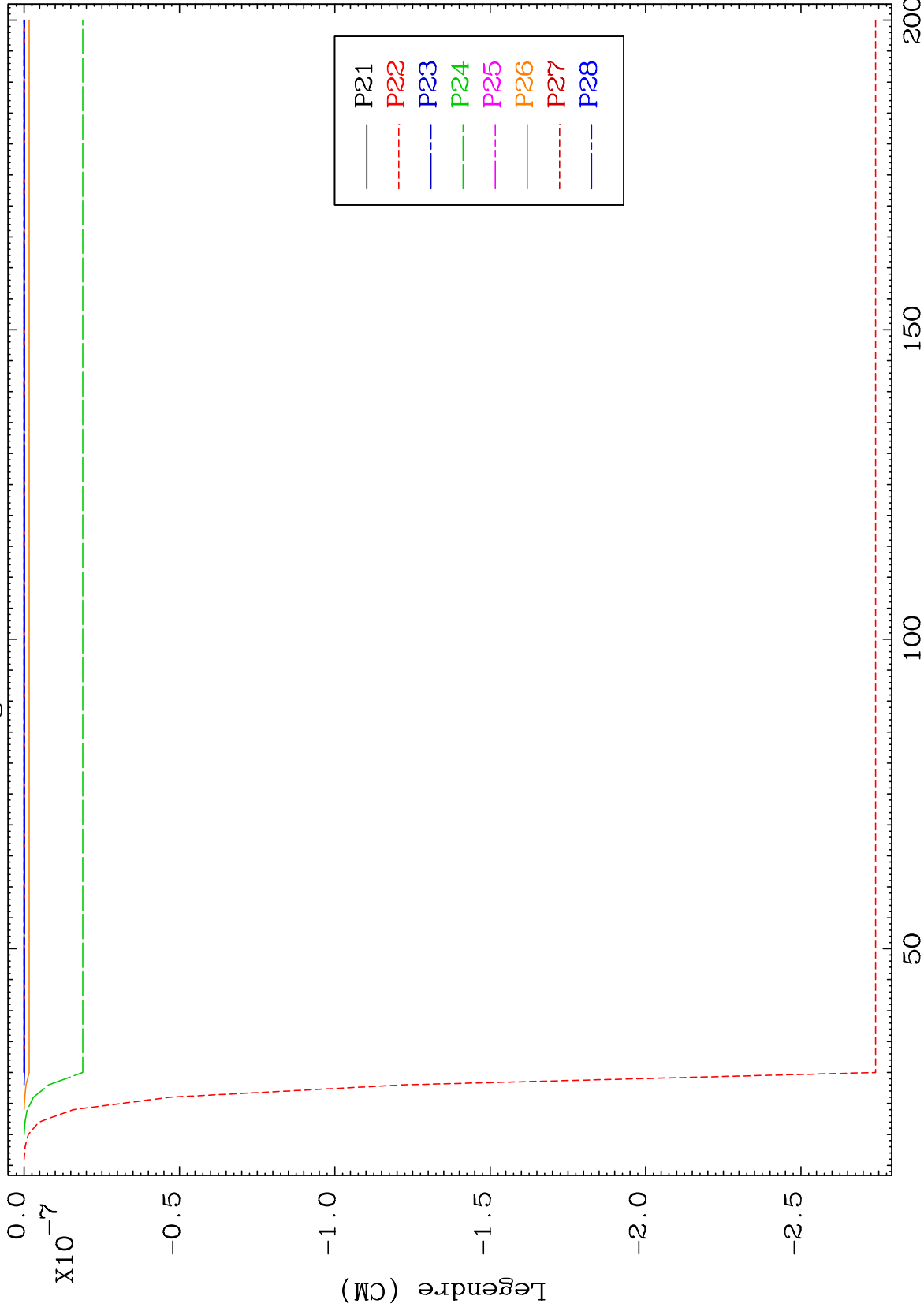
68-Er-167



MAT 6840

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

68-Er-167



56

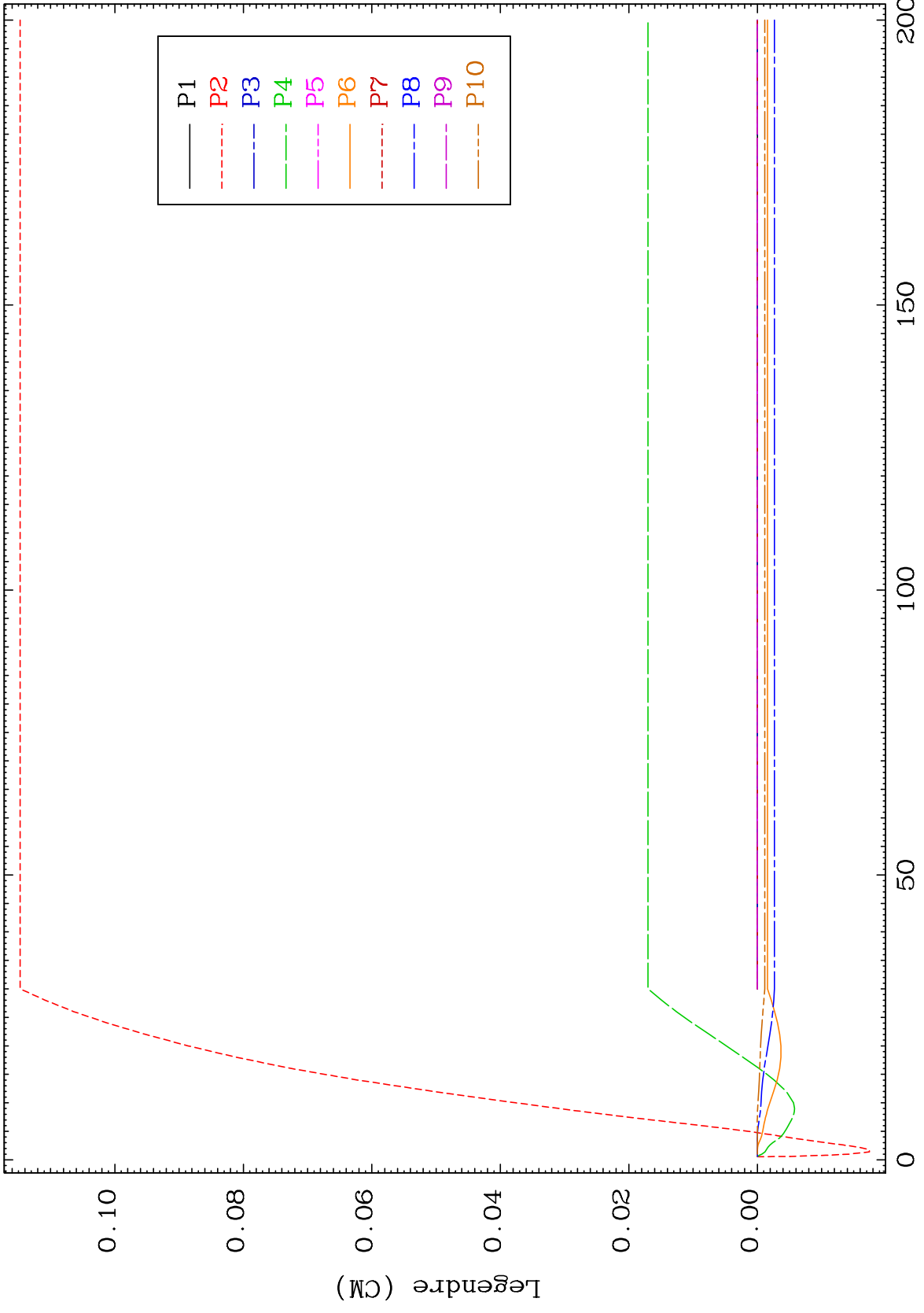
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



57

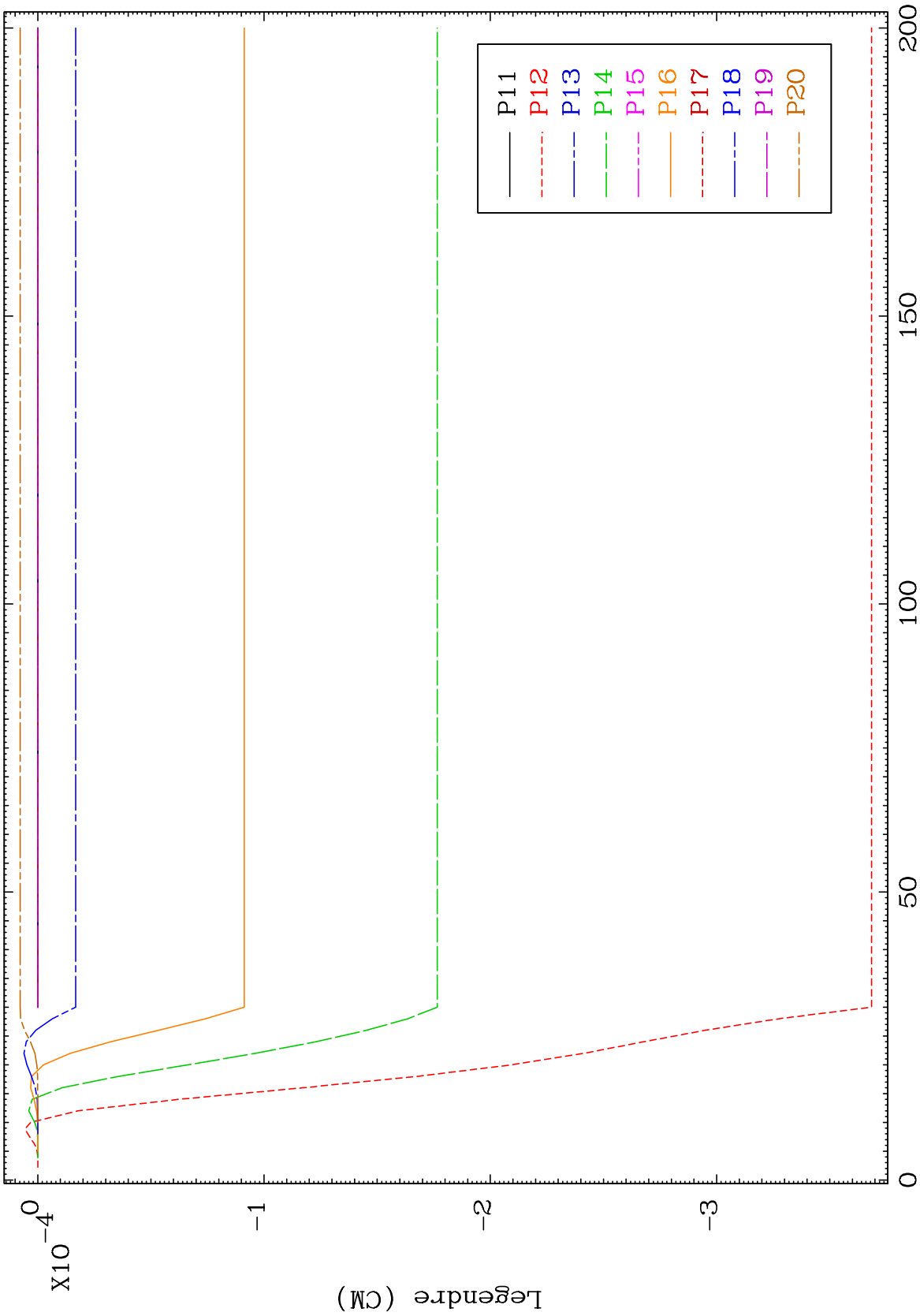
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



58

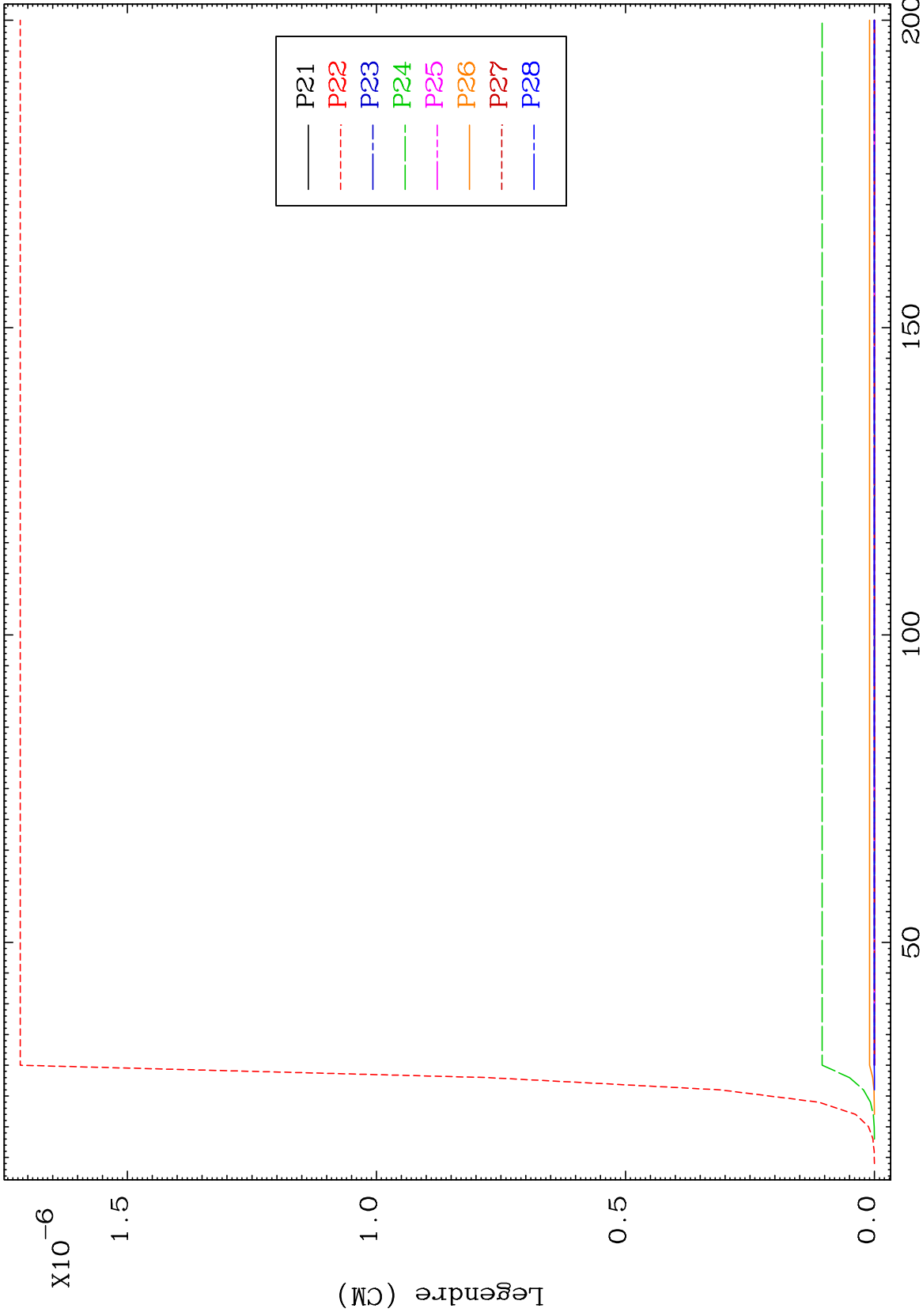
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



59

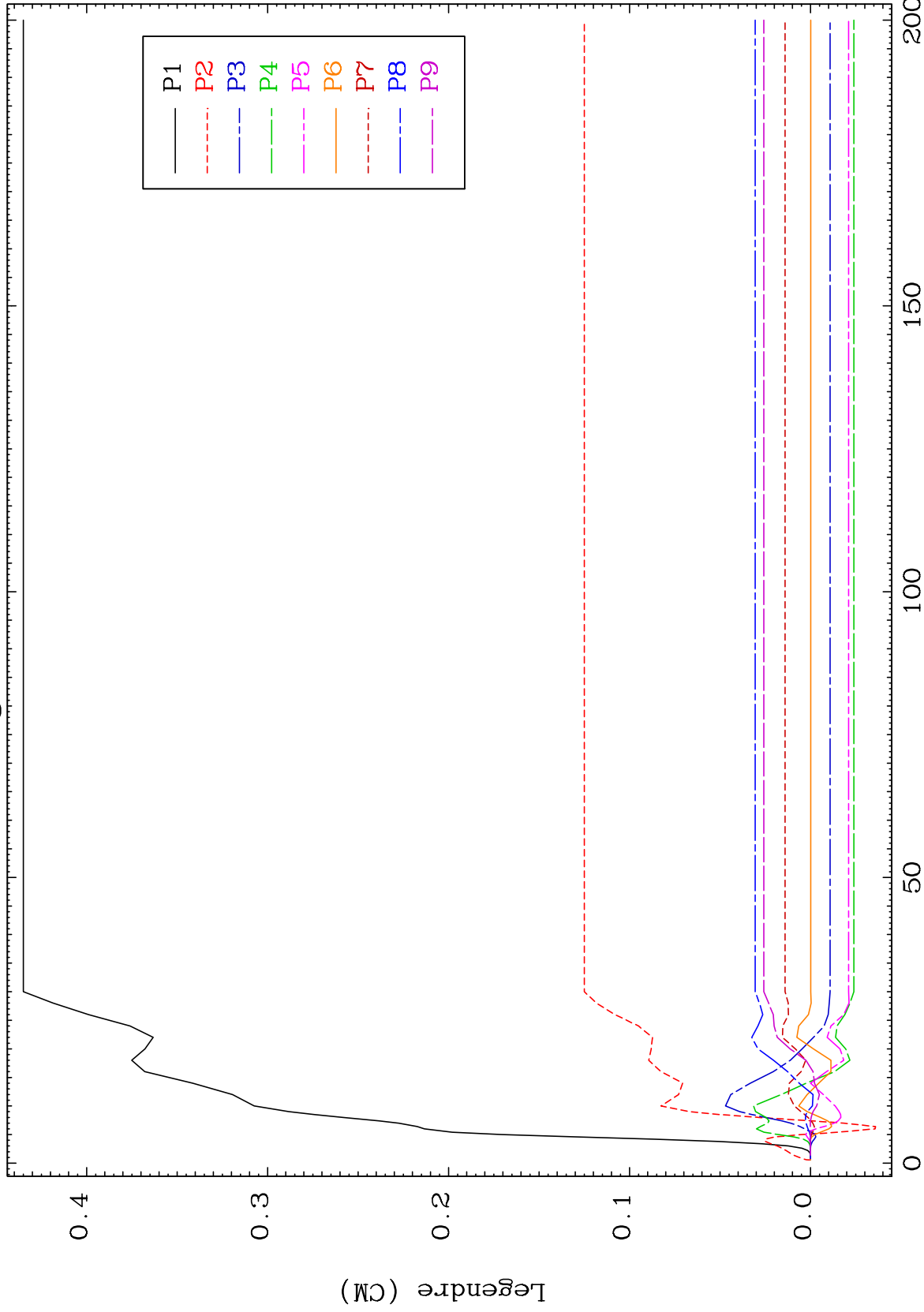
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



60

Incident Energy (MeV)

50

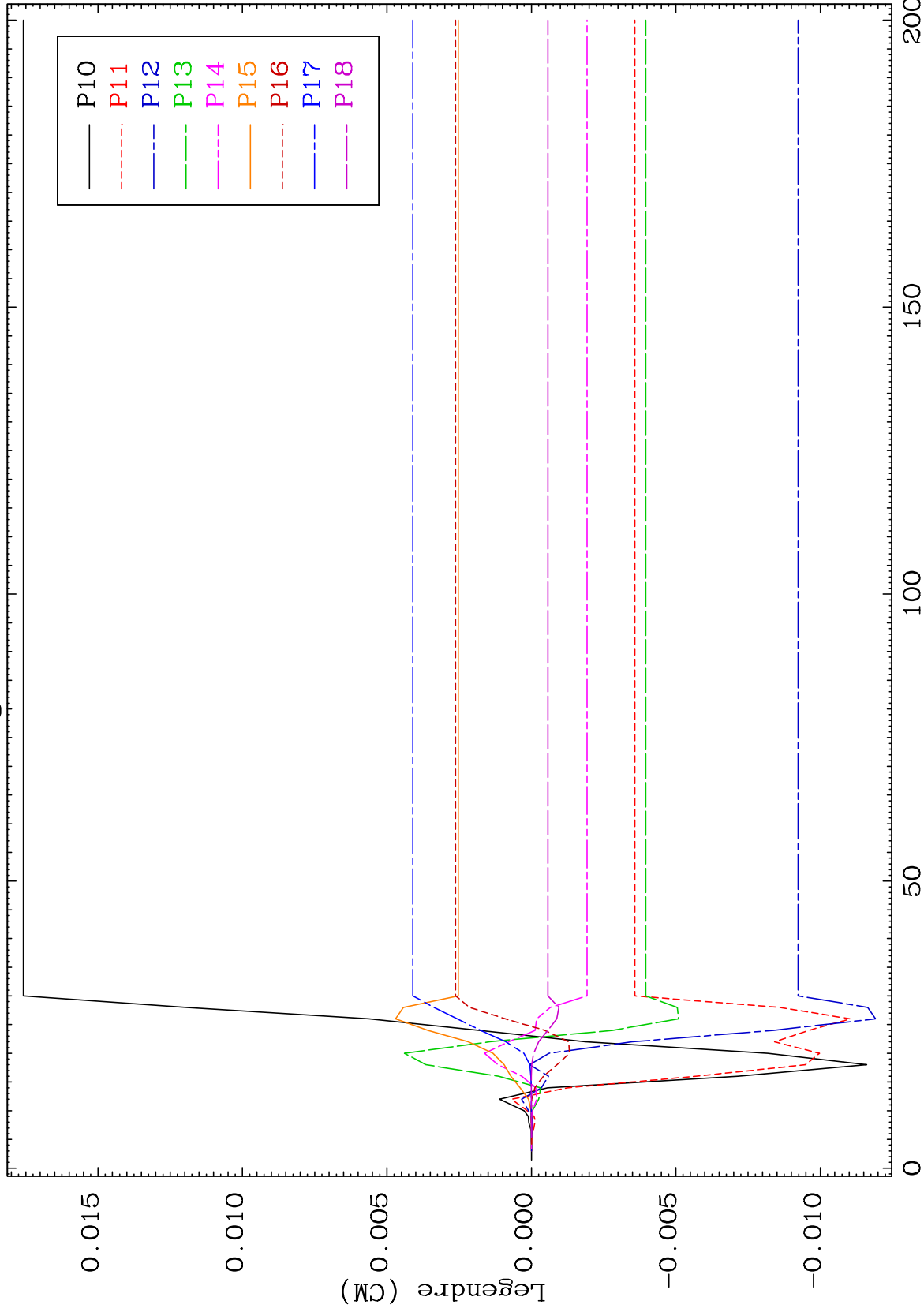
200

68-Er-167

MAT 6840

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

68-Er-167



61

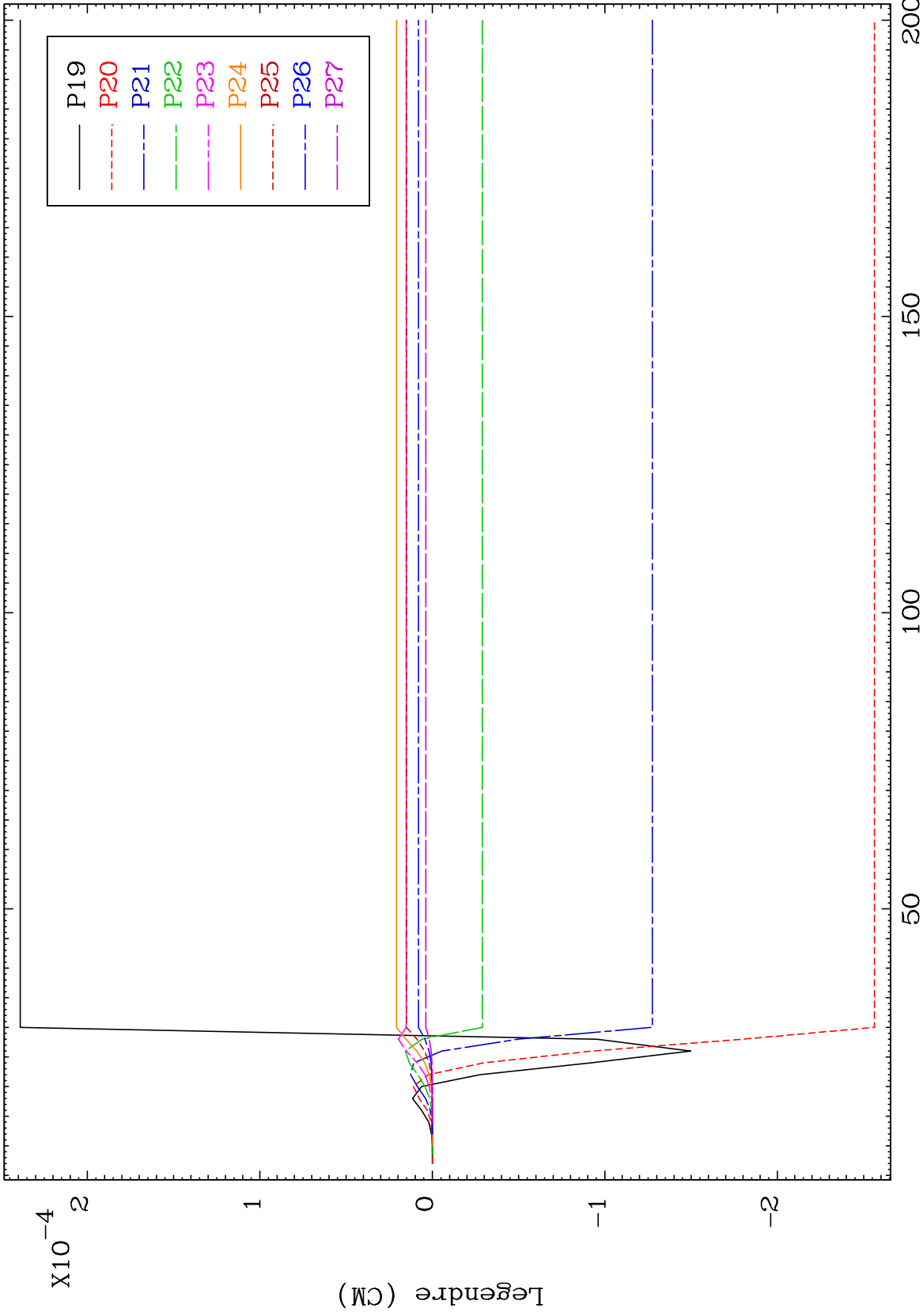
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



62

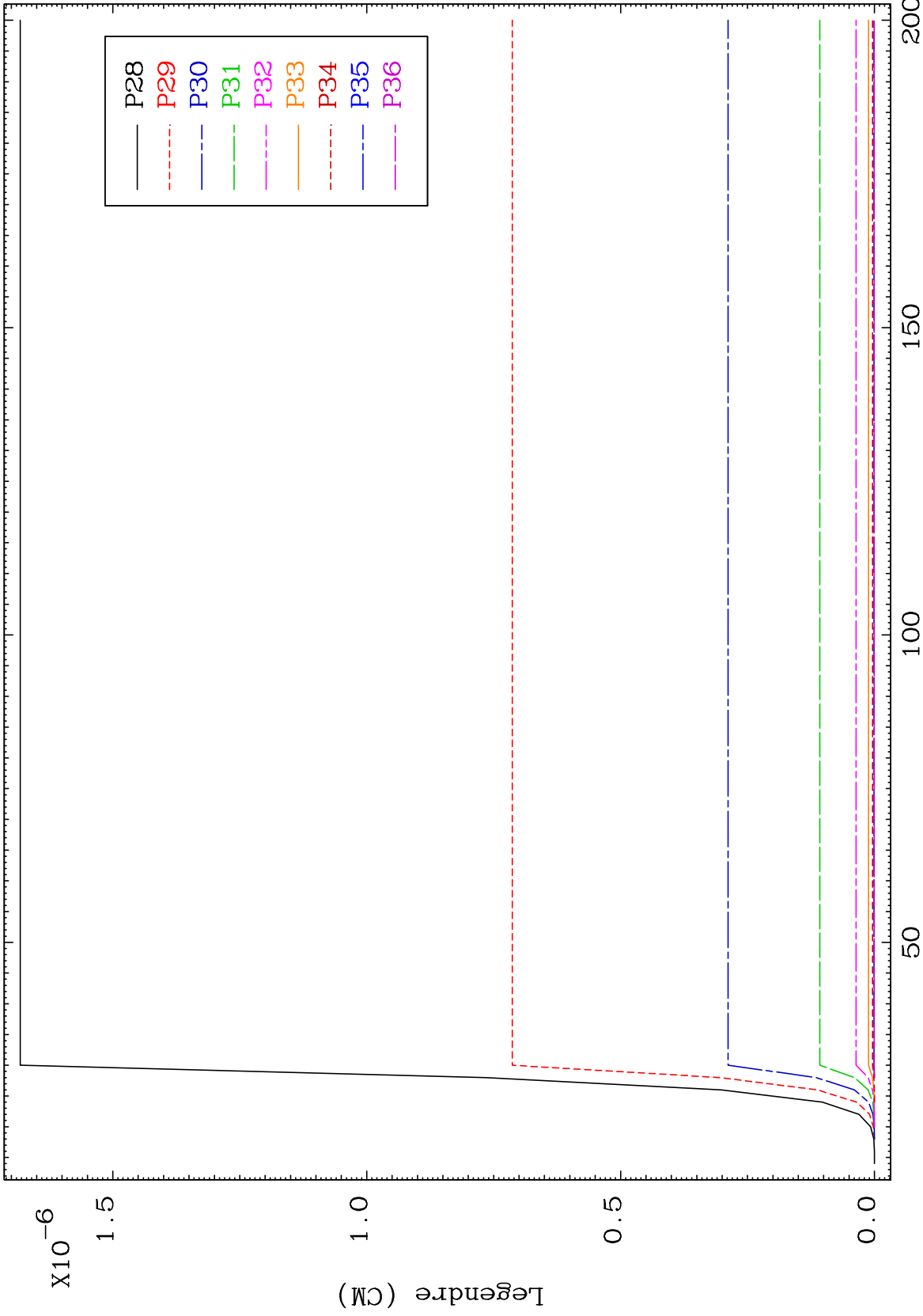
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



63

Incident Energy (MeV)

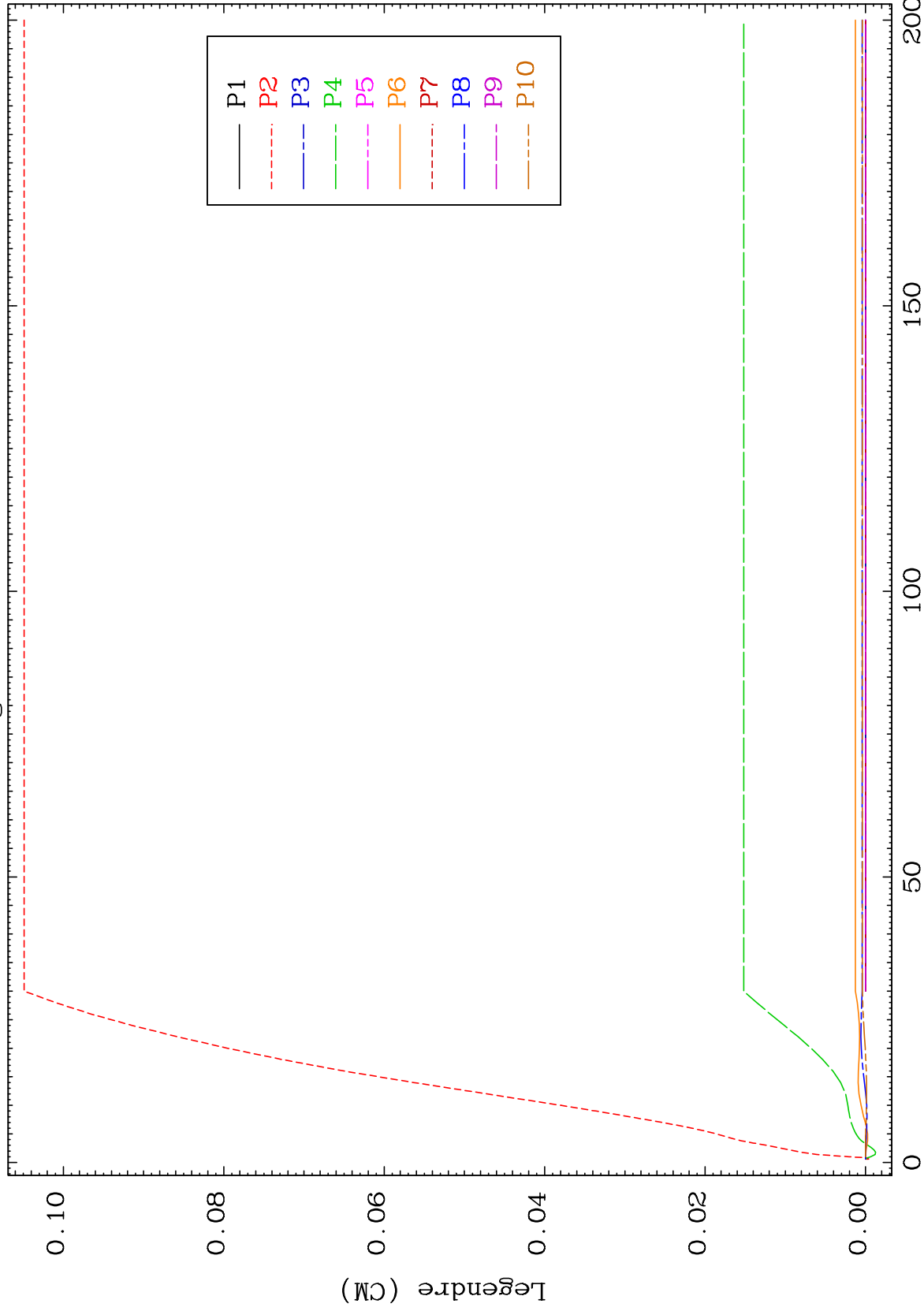
68-Er-167



MAT 6840

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

68-Er-167



64

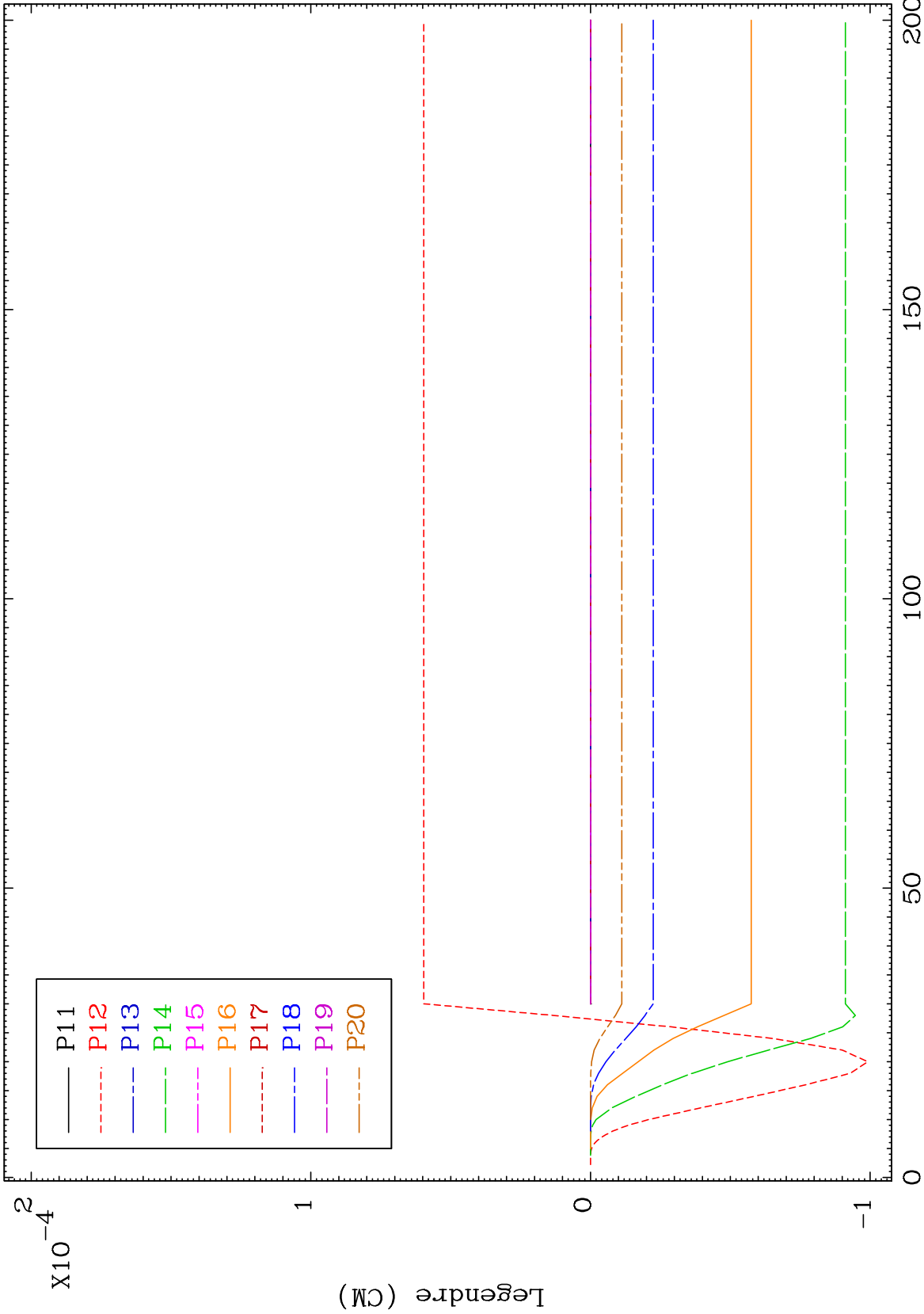
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



65

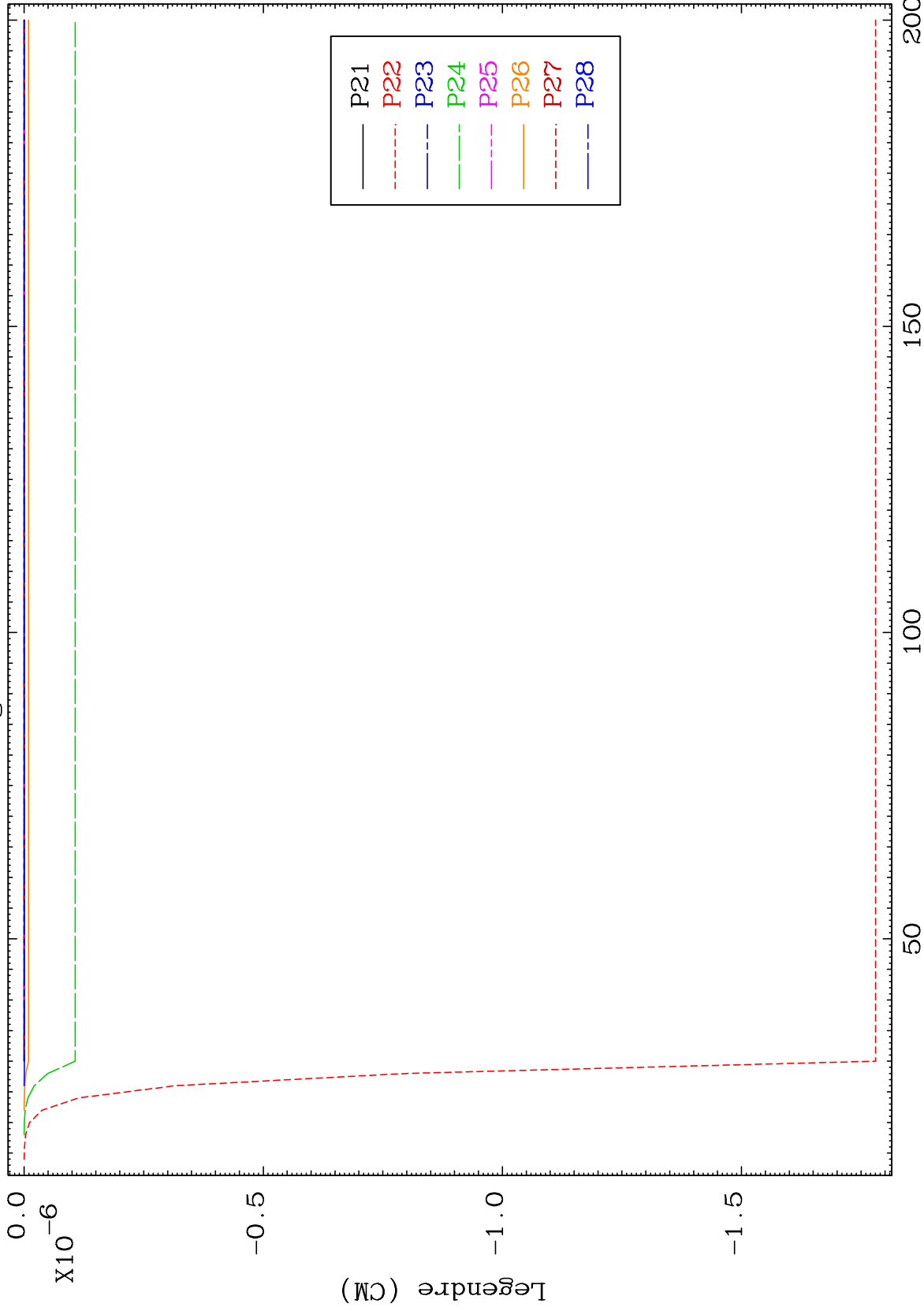
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



66

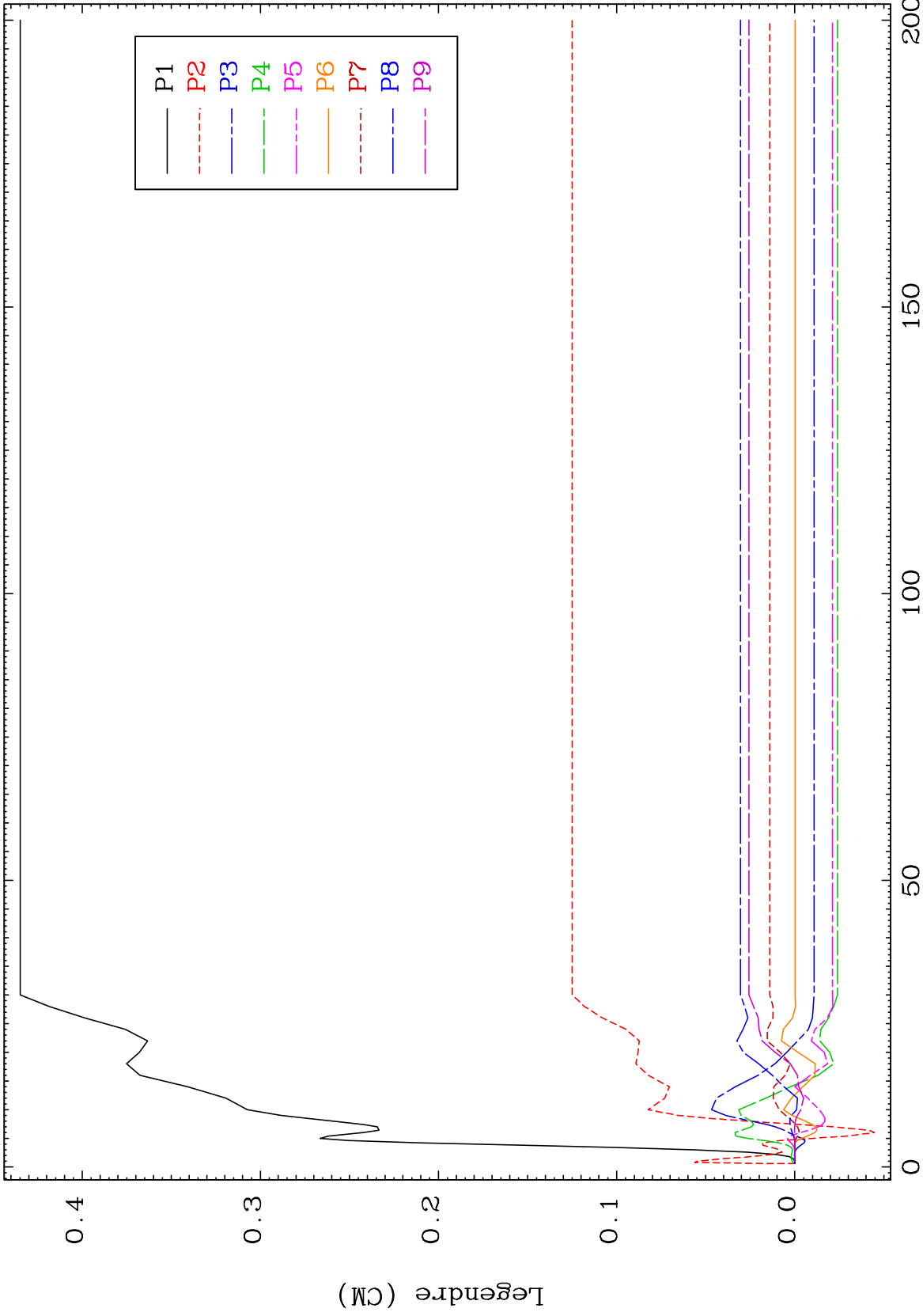
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



67

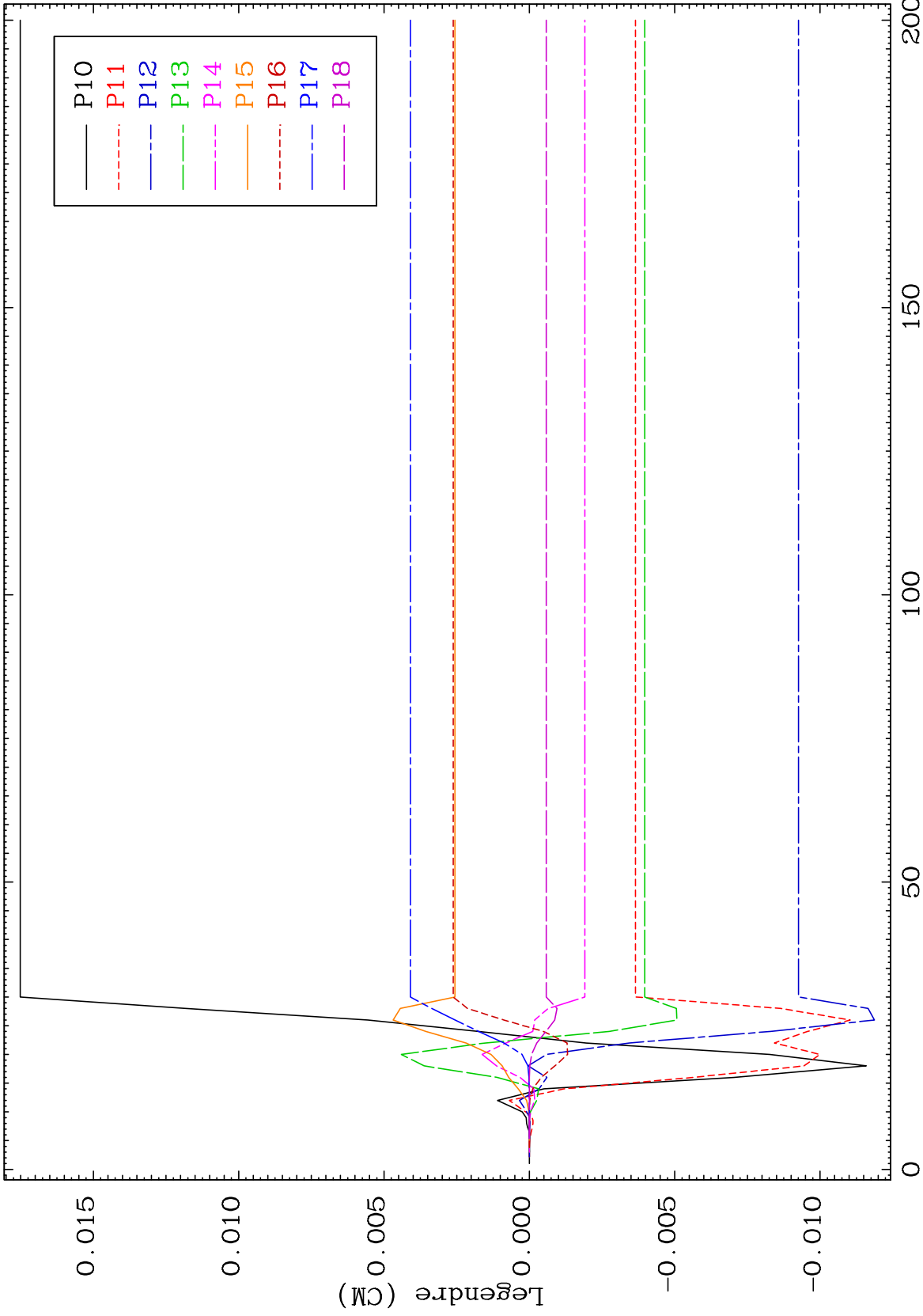
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



68

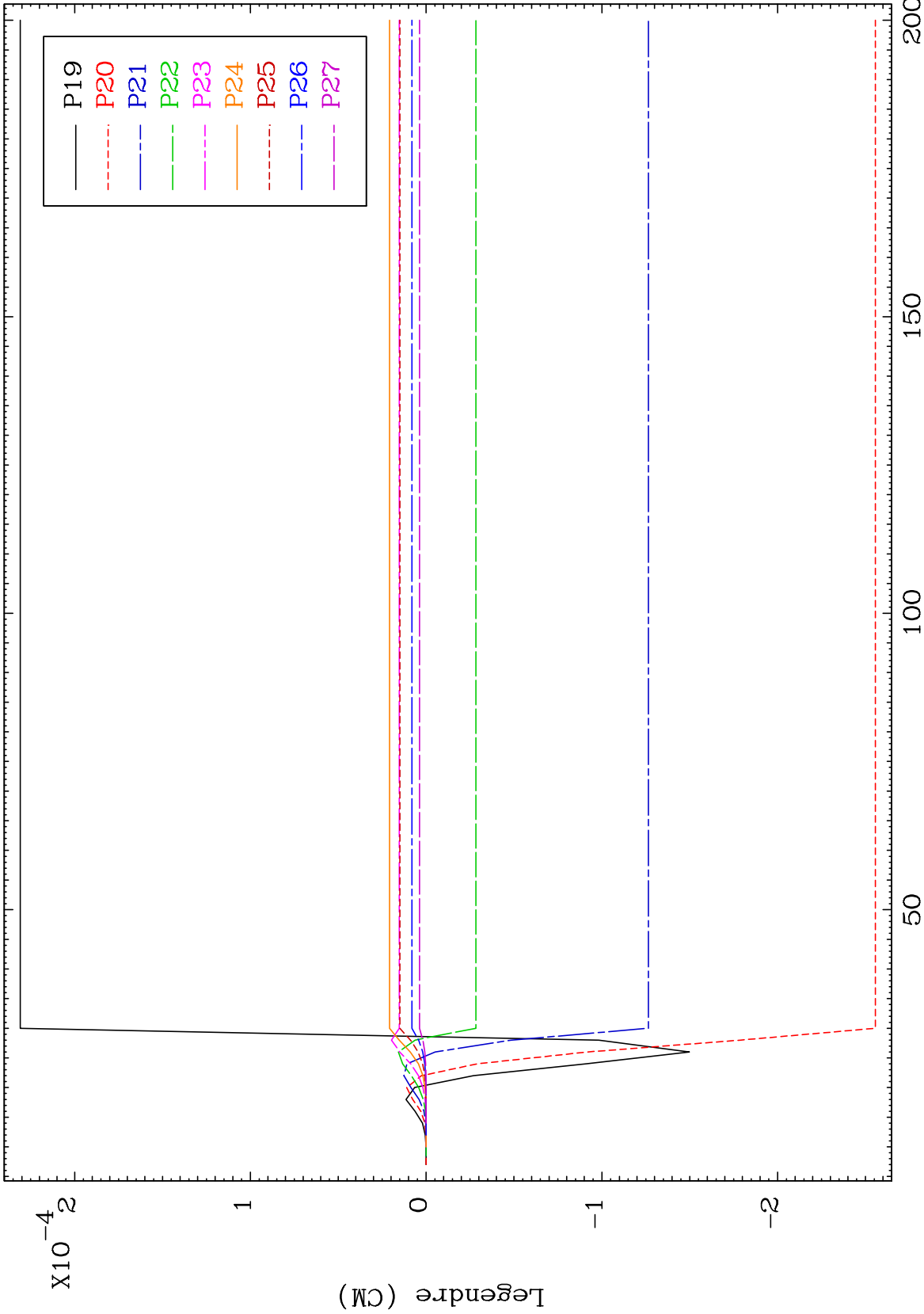
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



69

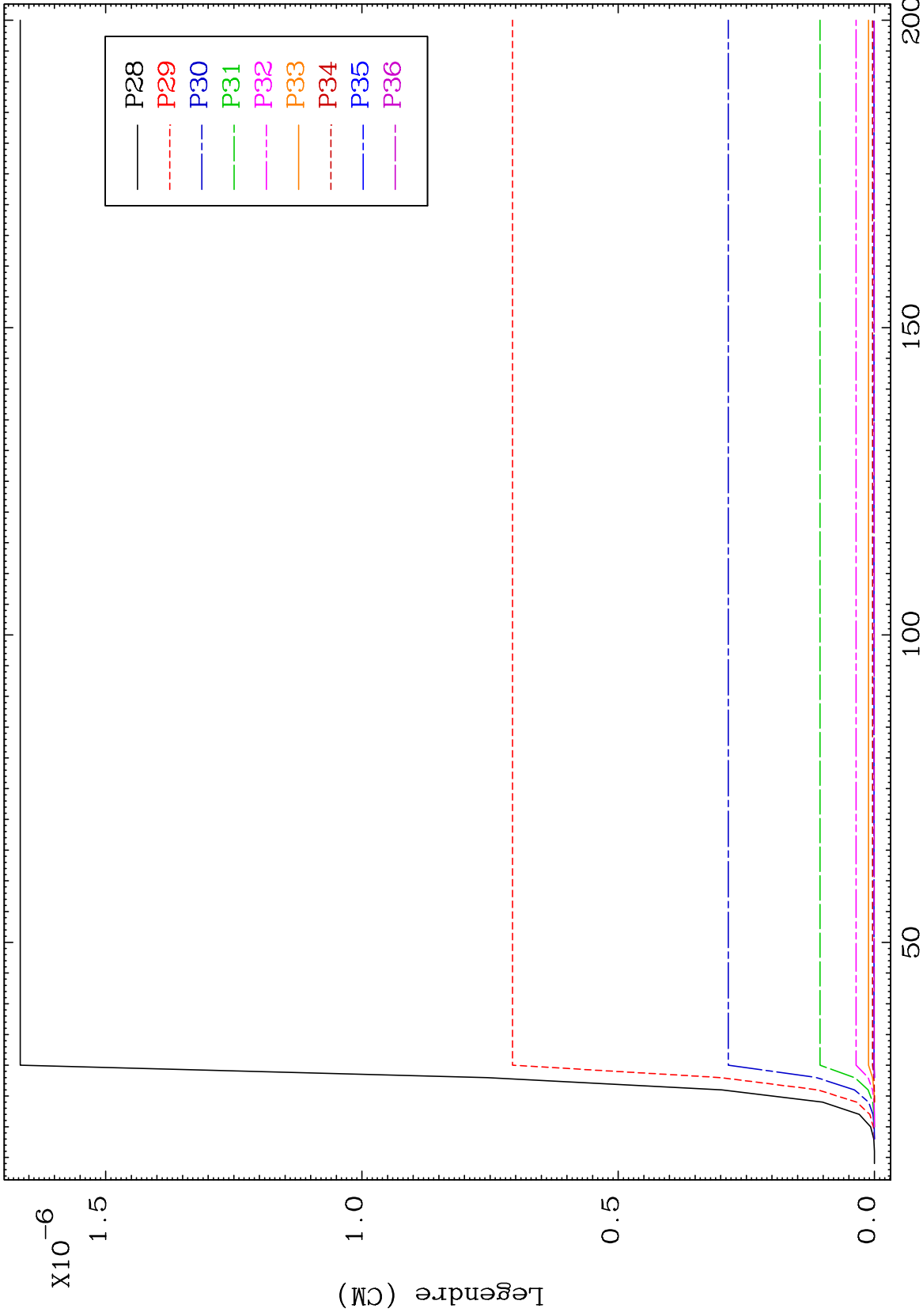
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



70

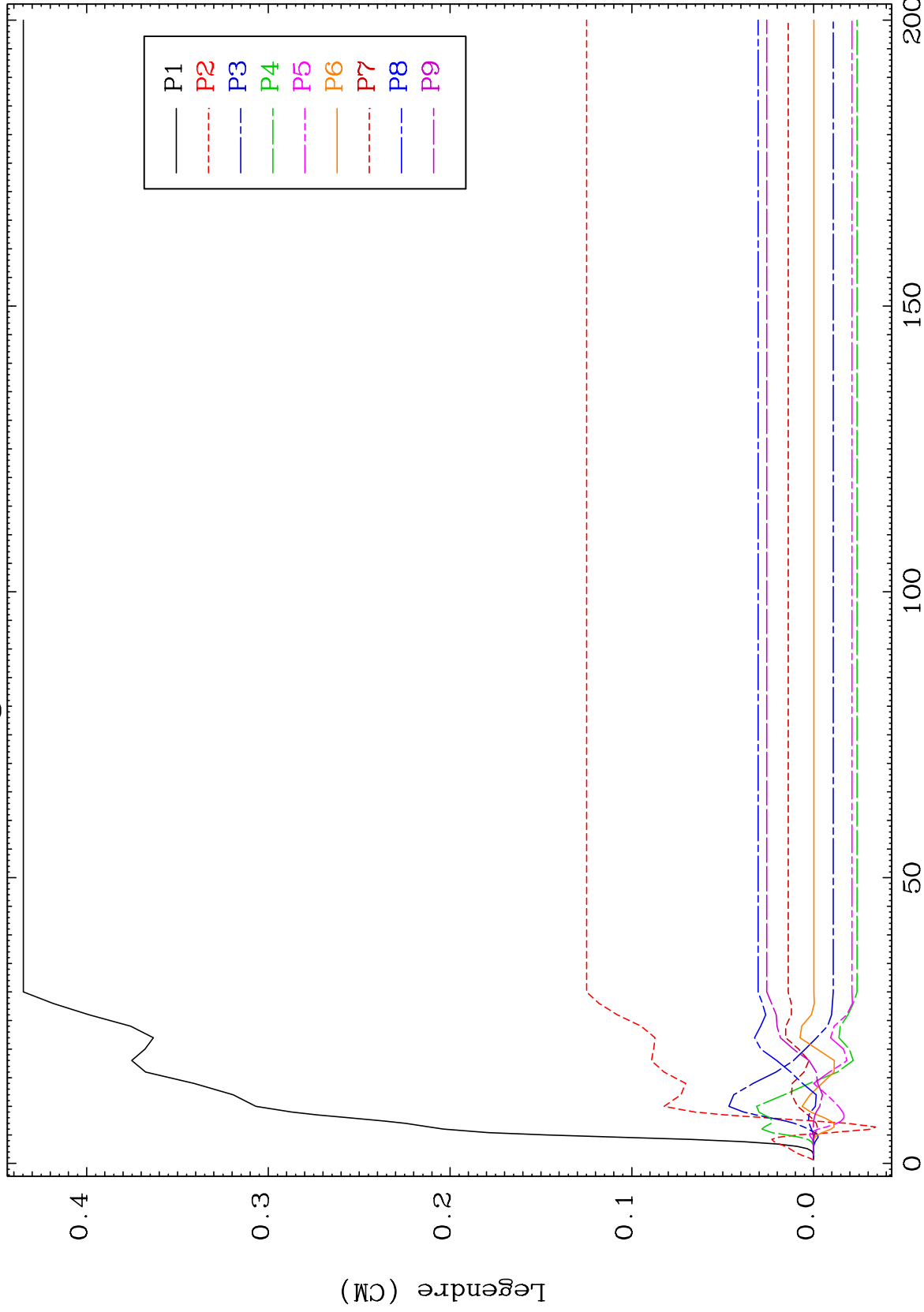
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



71

Incident Energy (MeV)

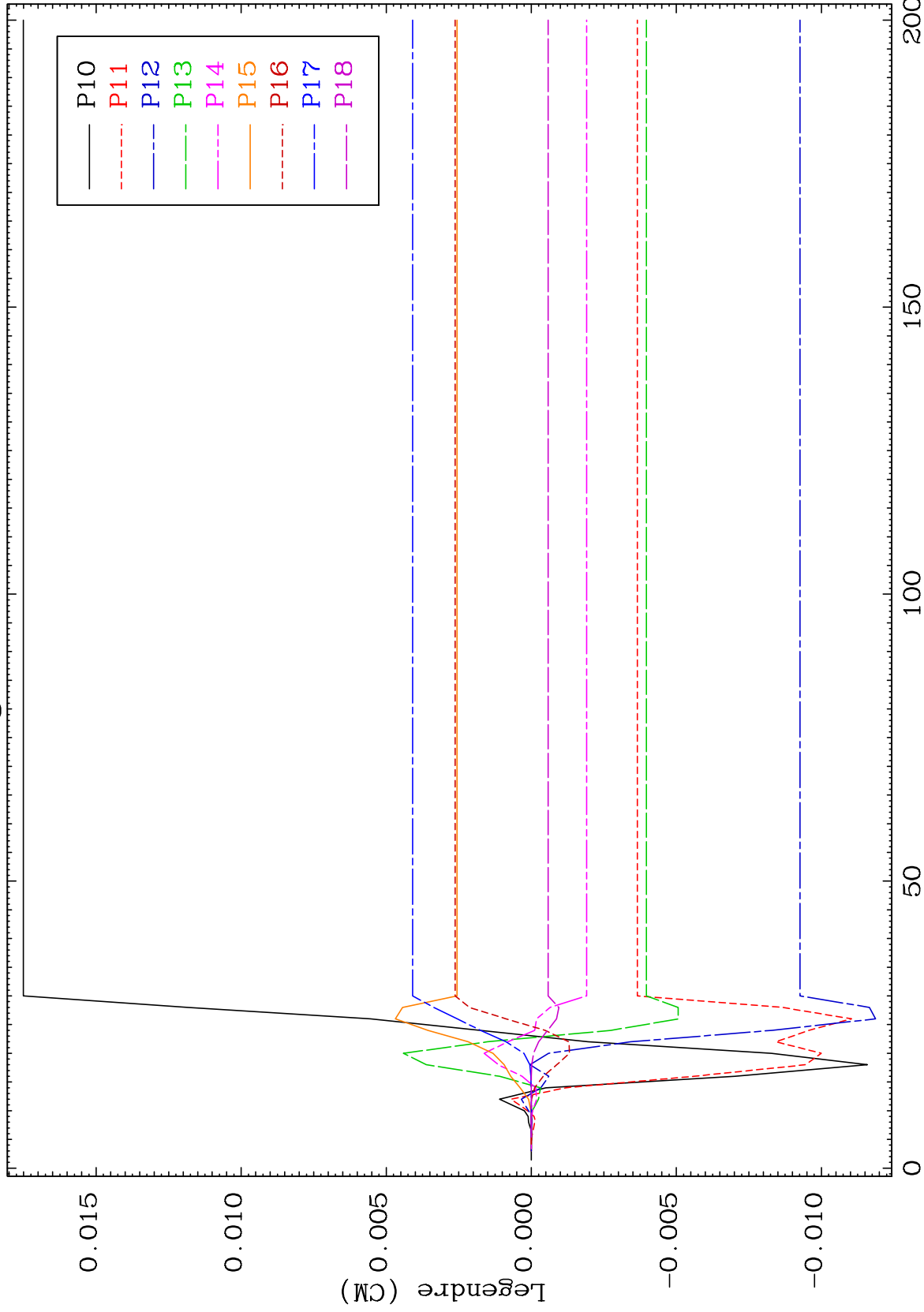
68-Er-167



MAT 6840

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

68-Er-167



72

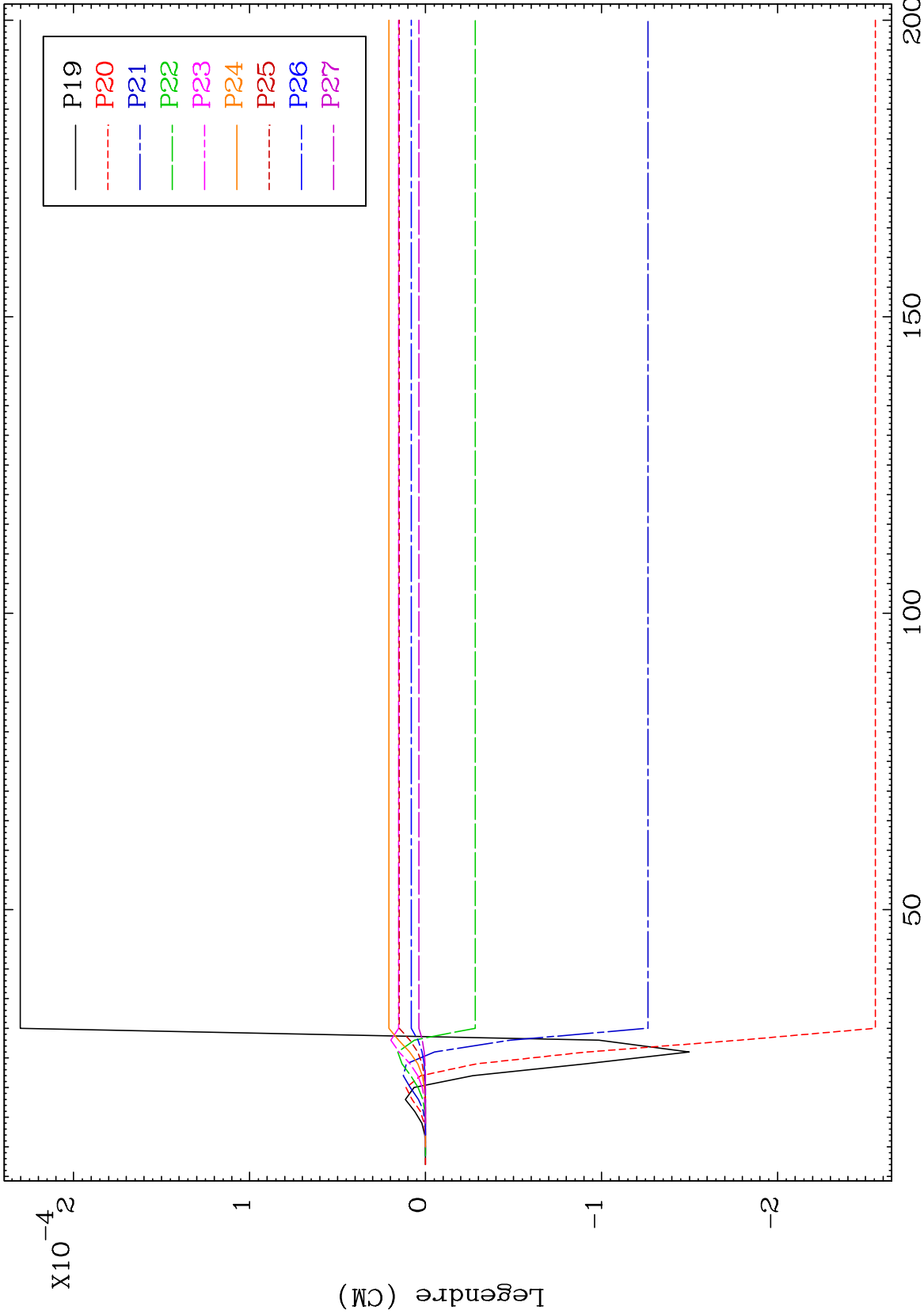
Incident Energy (MeV)

68-Er-167

MAT 6840

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

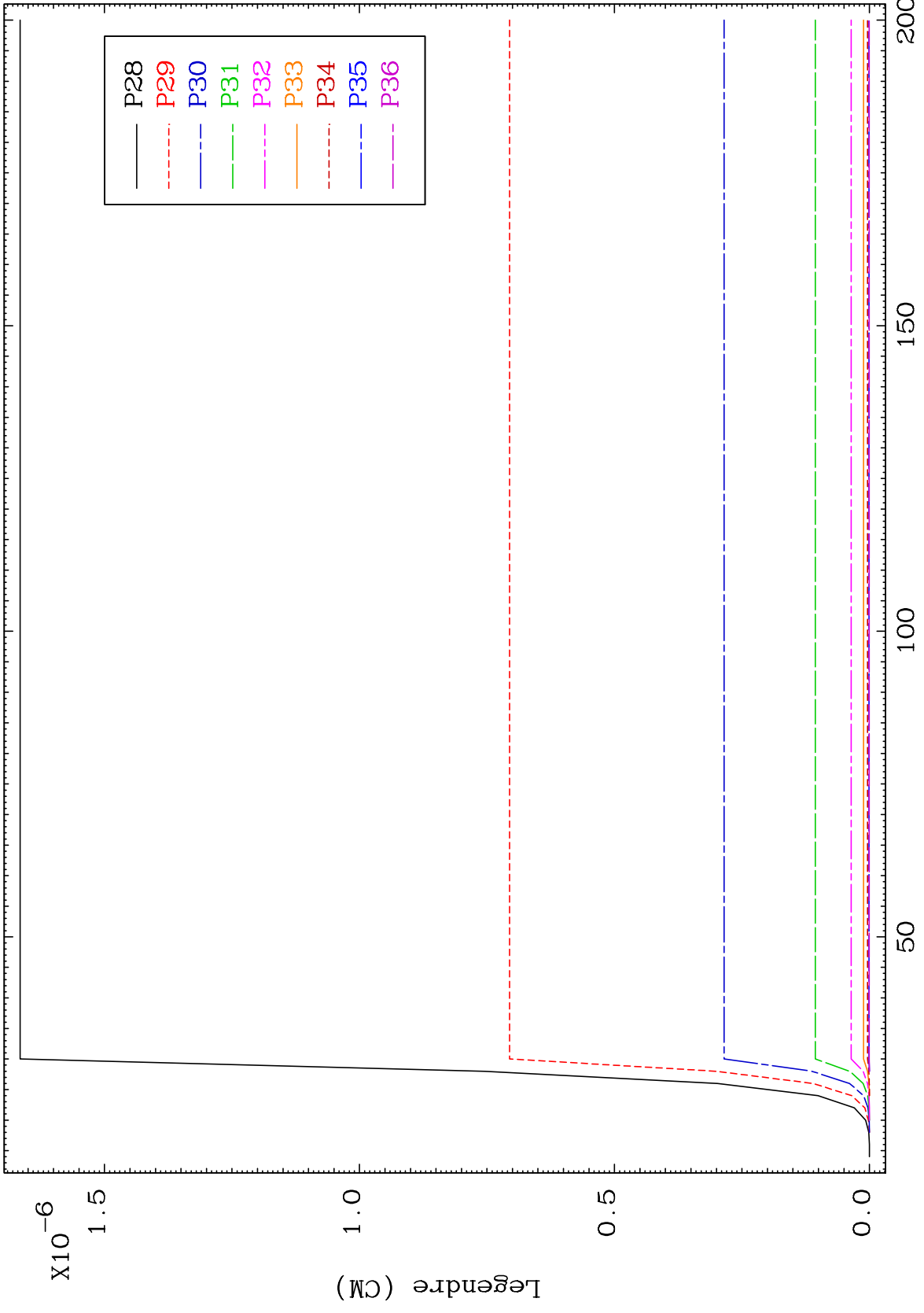
68-Er-167



73

Incident Energy (MeV)

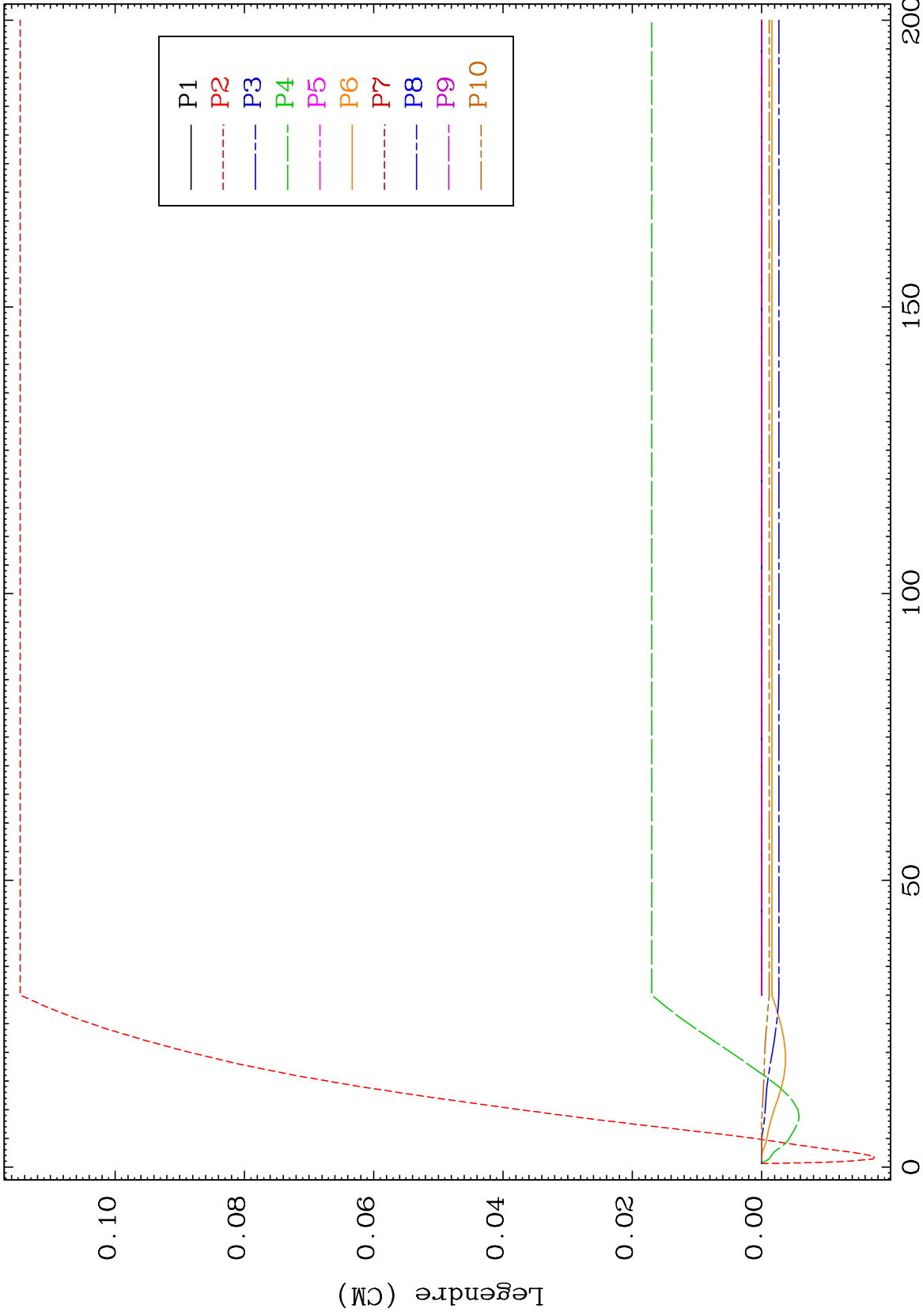
68-Er-167



MAT 6840

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

68-Er-167



75

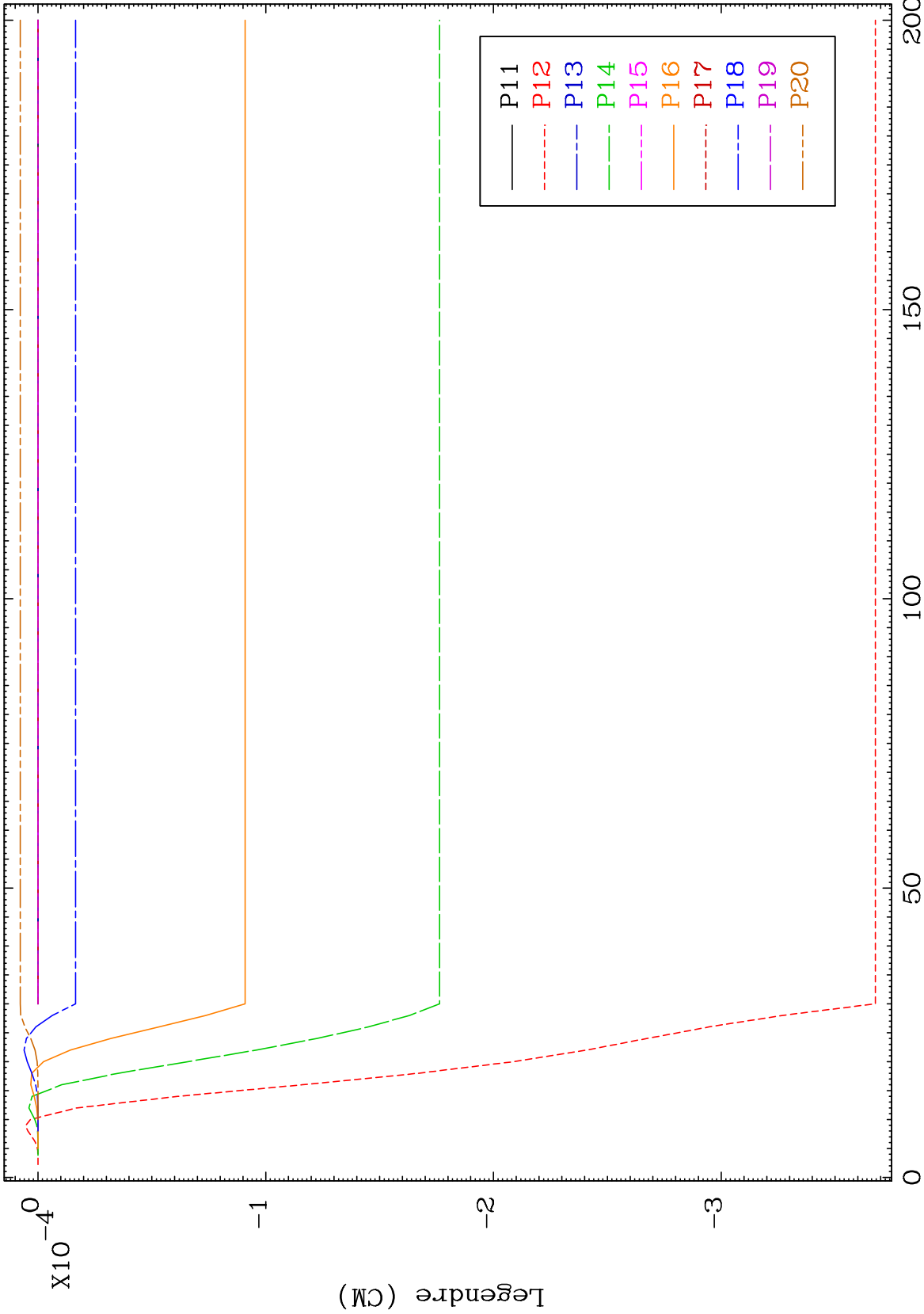
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



76

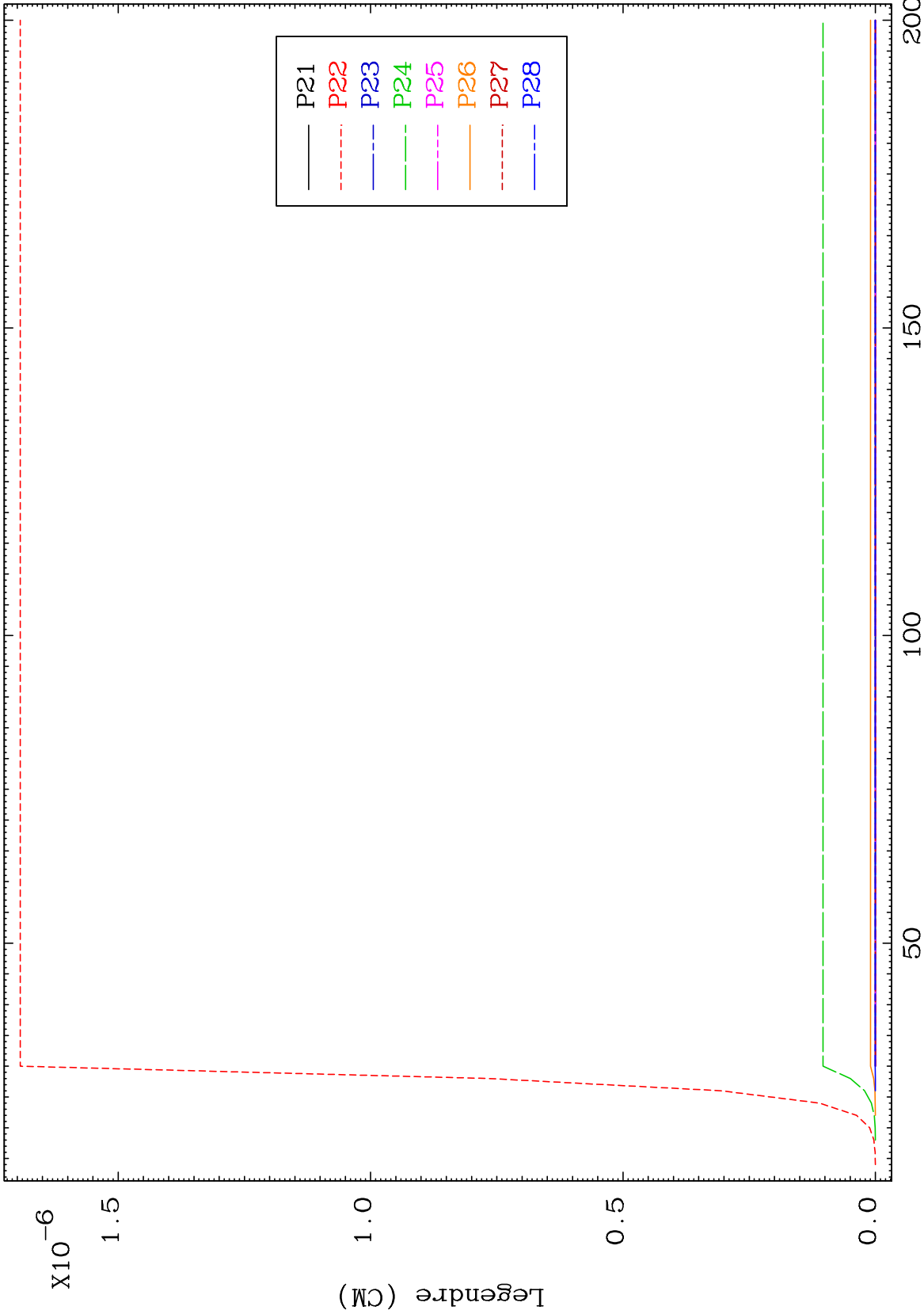
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



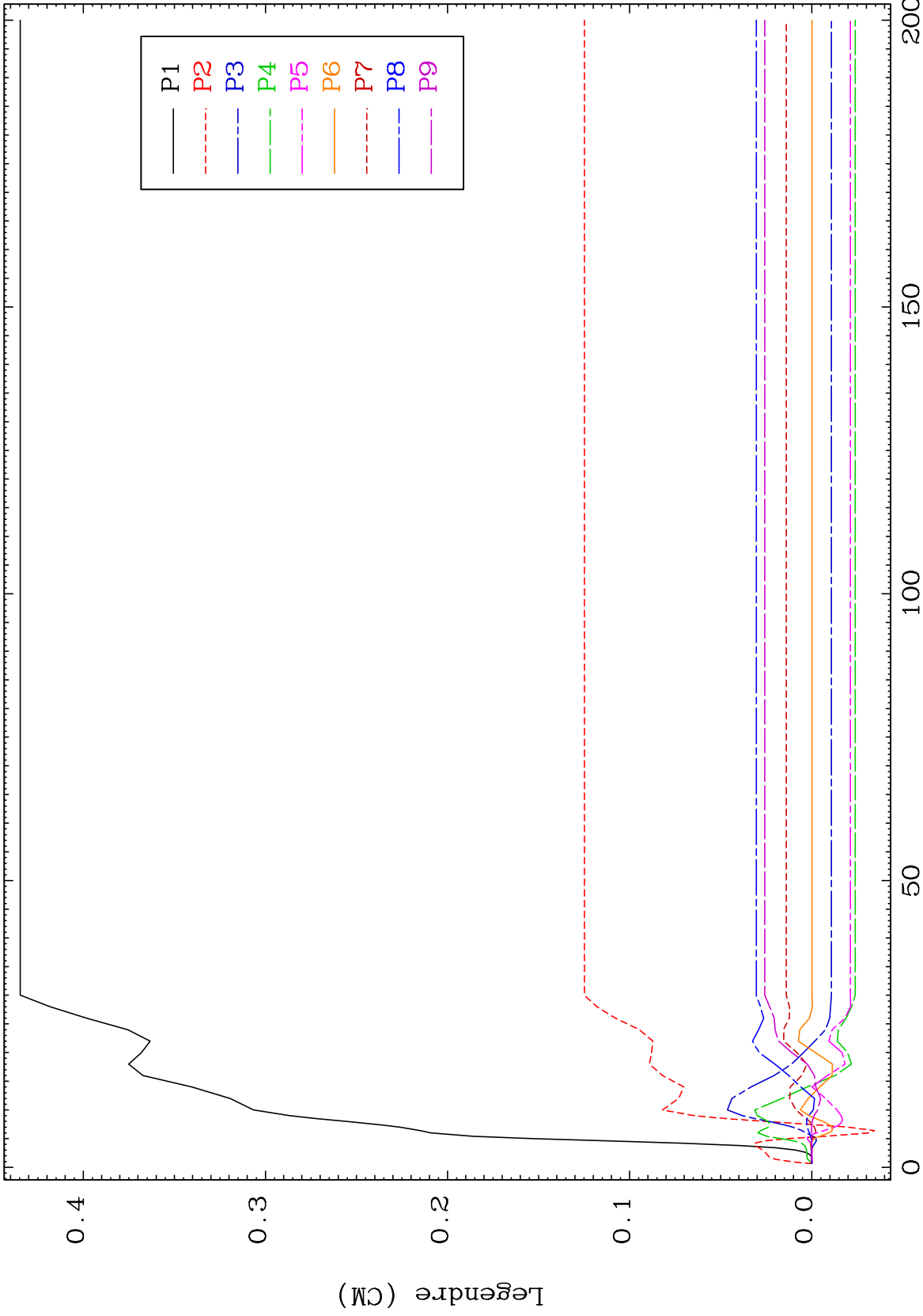
77

68-Er-167

MAT 6840

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

68-Er-167



78

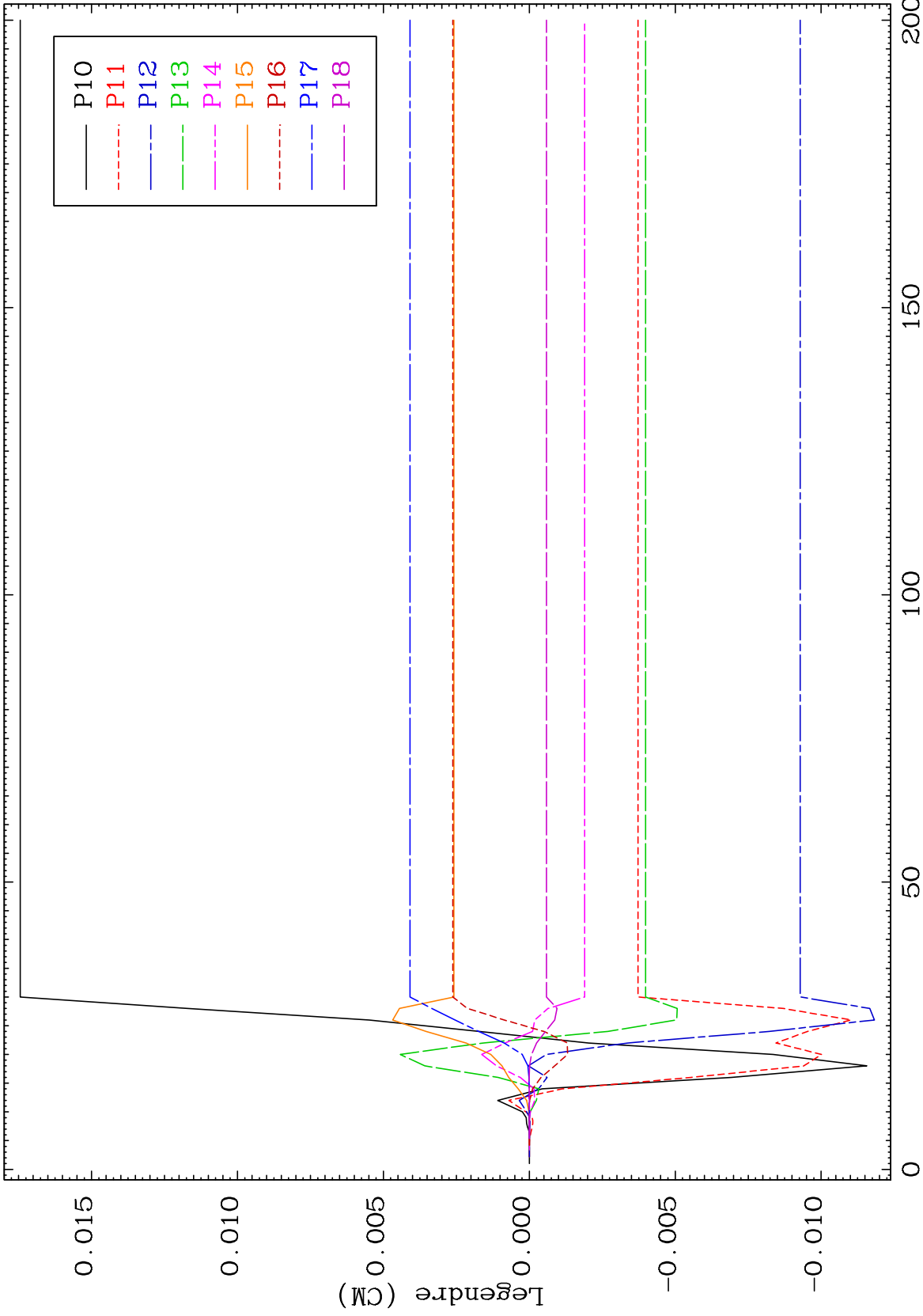
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



79

Incident Energy (MeV)

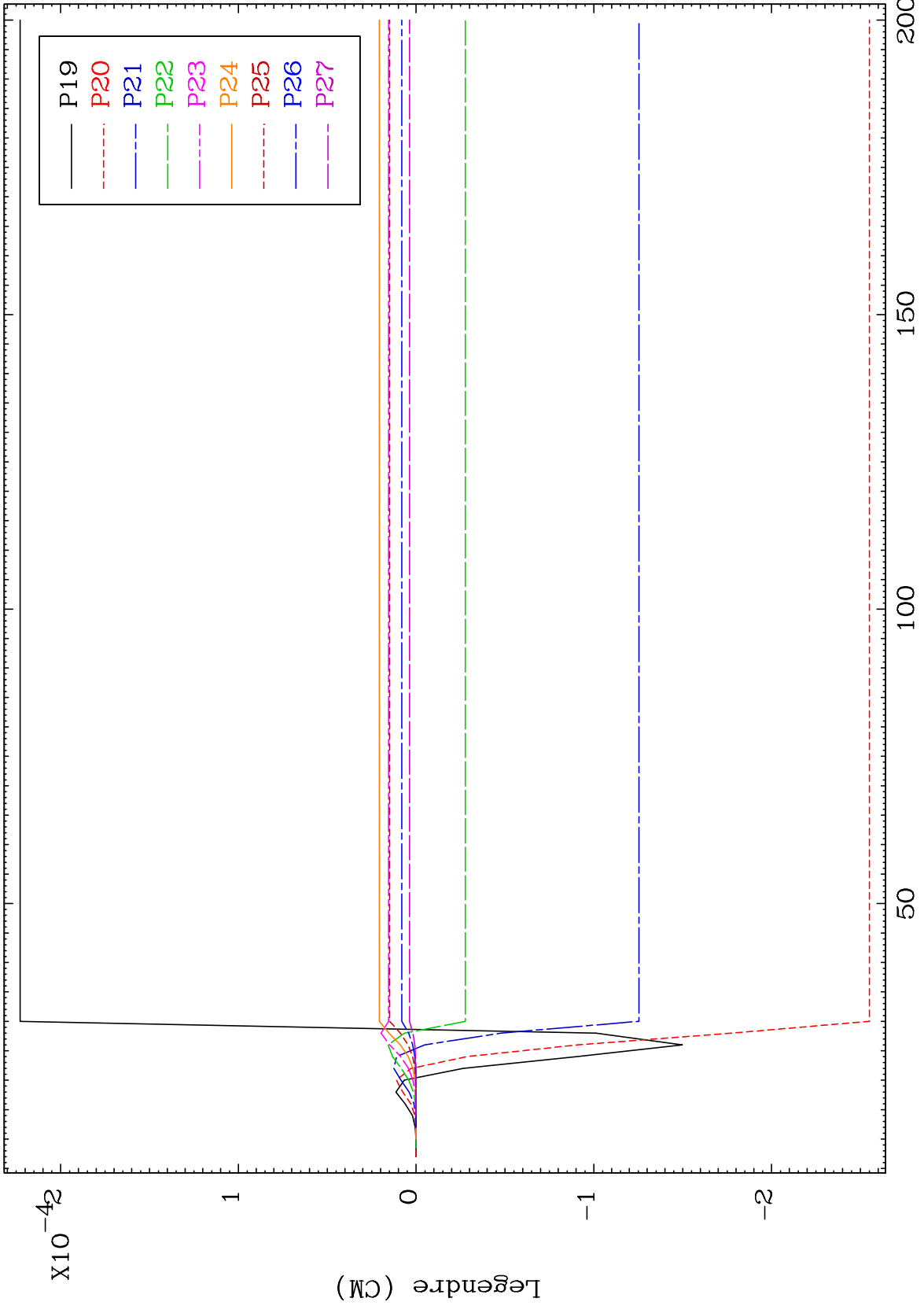
68-Er-167



MAT 6840

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

68-Er-167



80

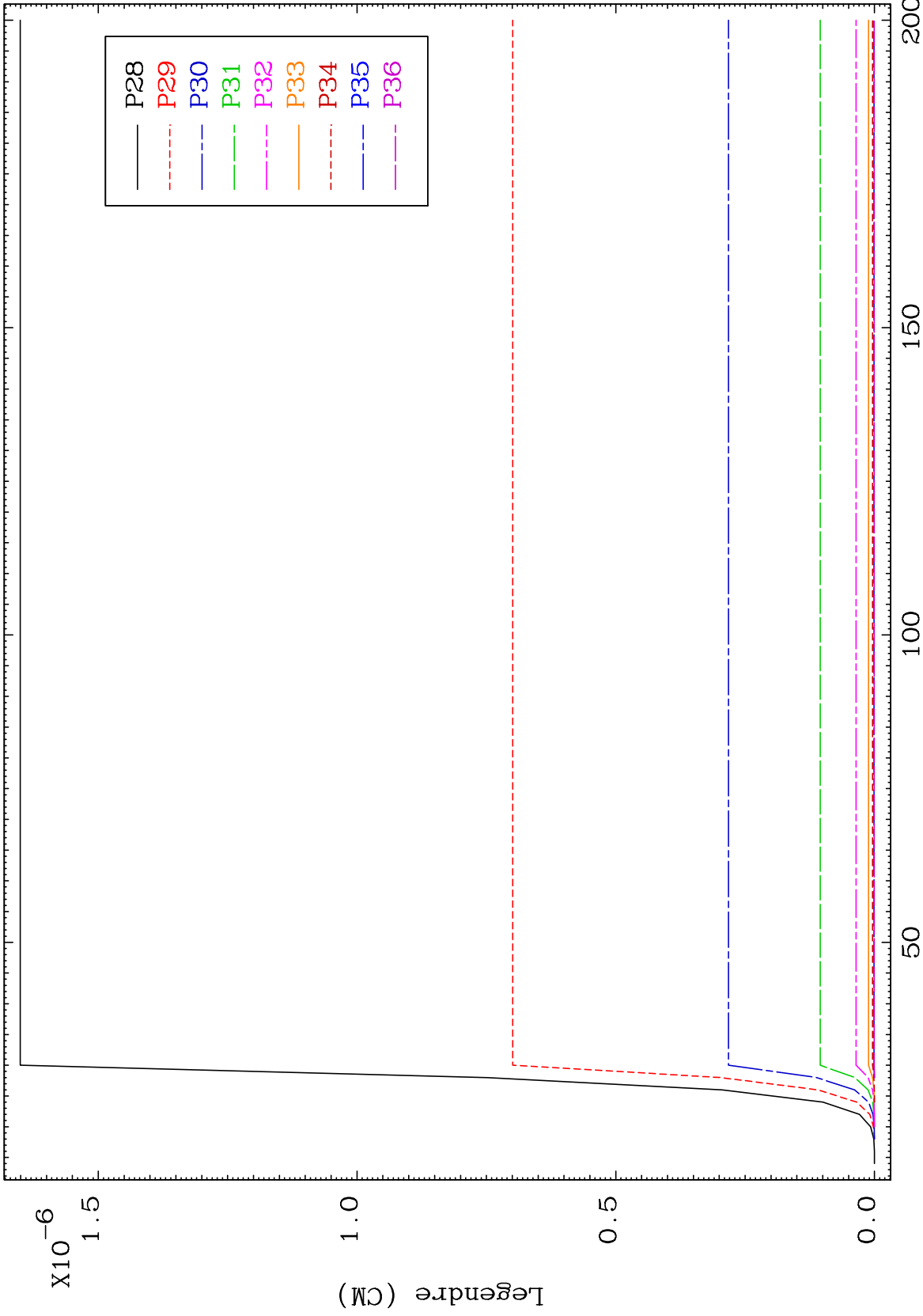
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



81

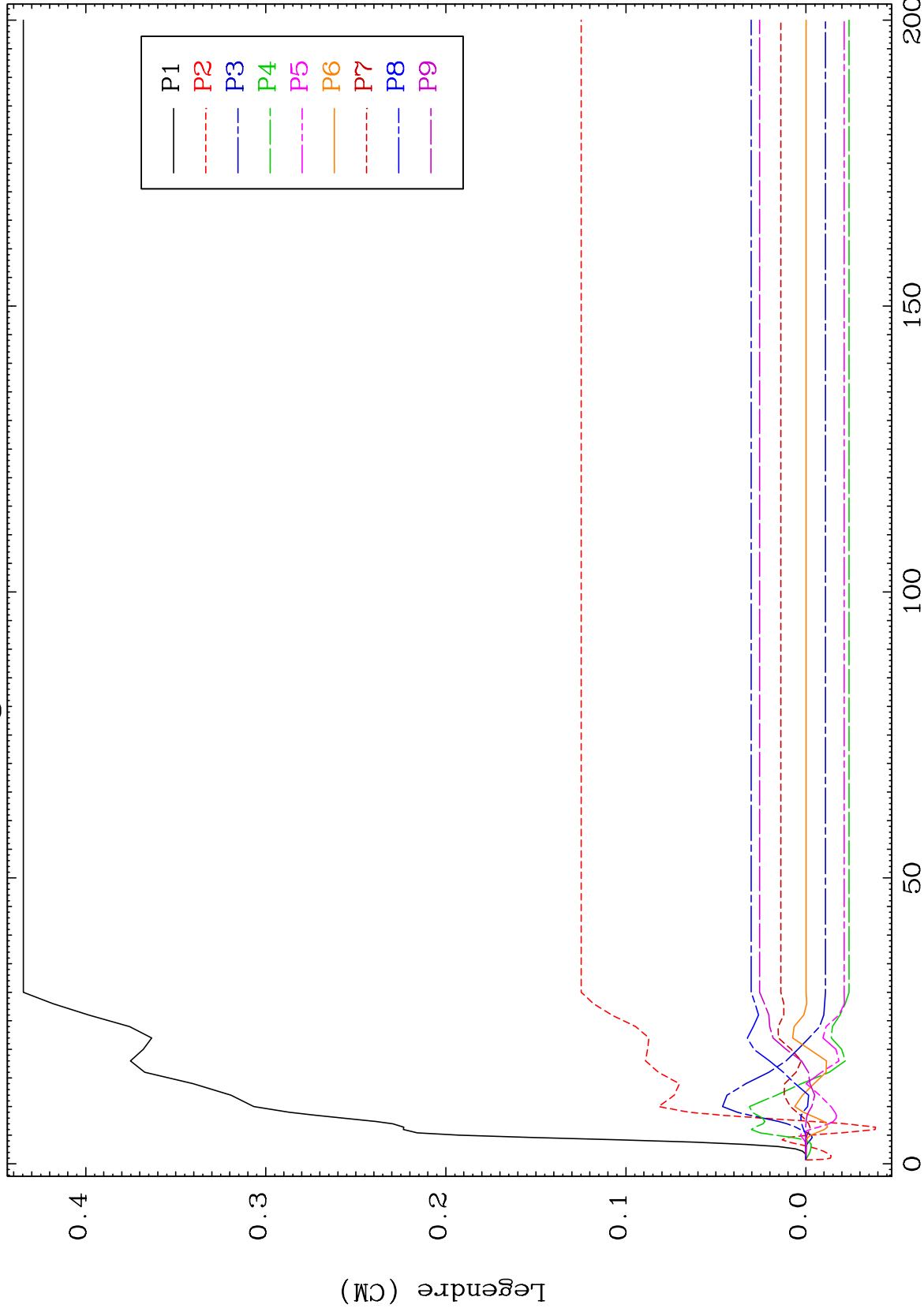
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



82

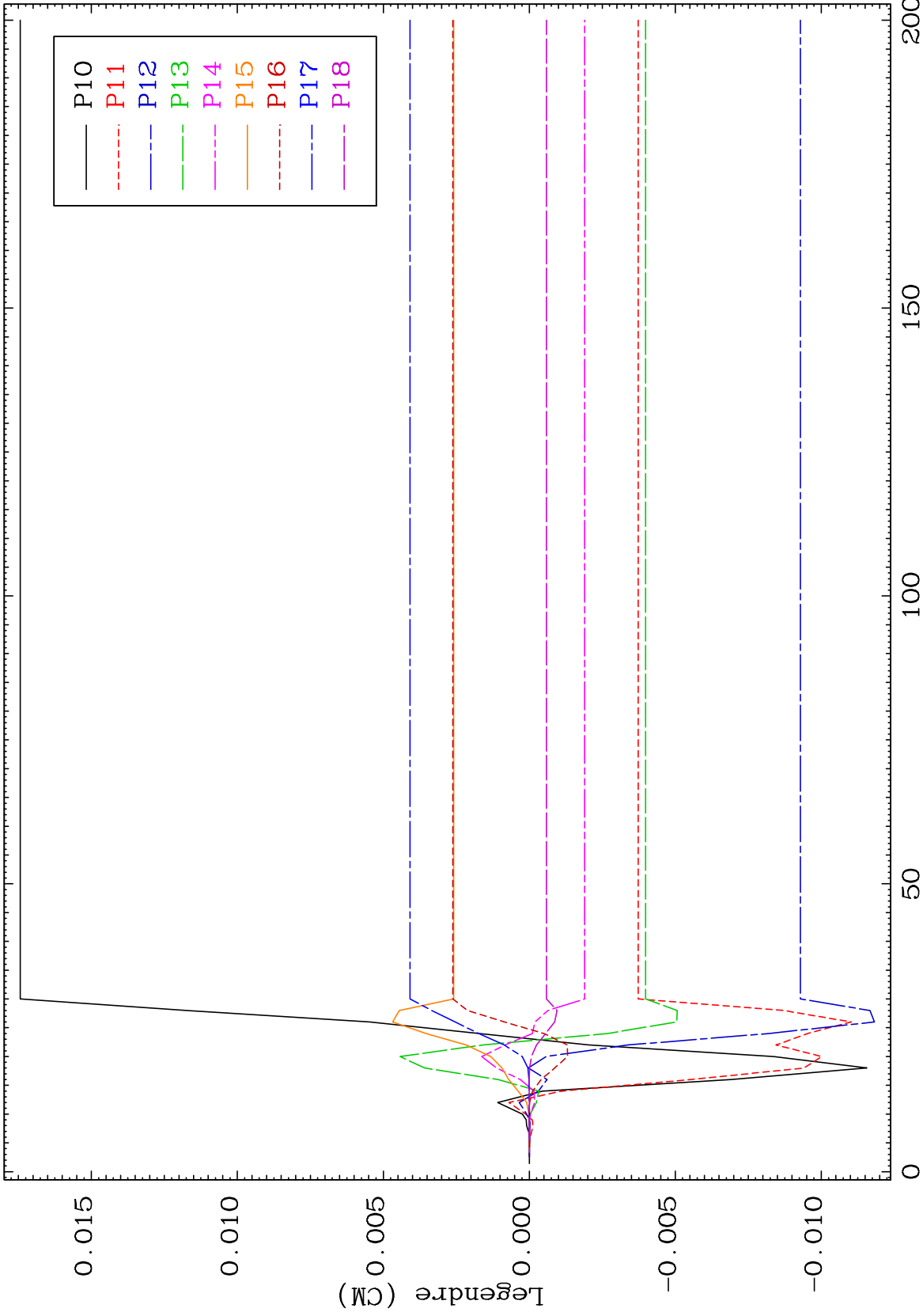
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



83

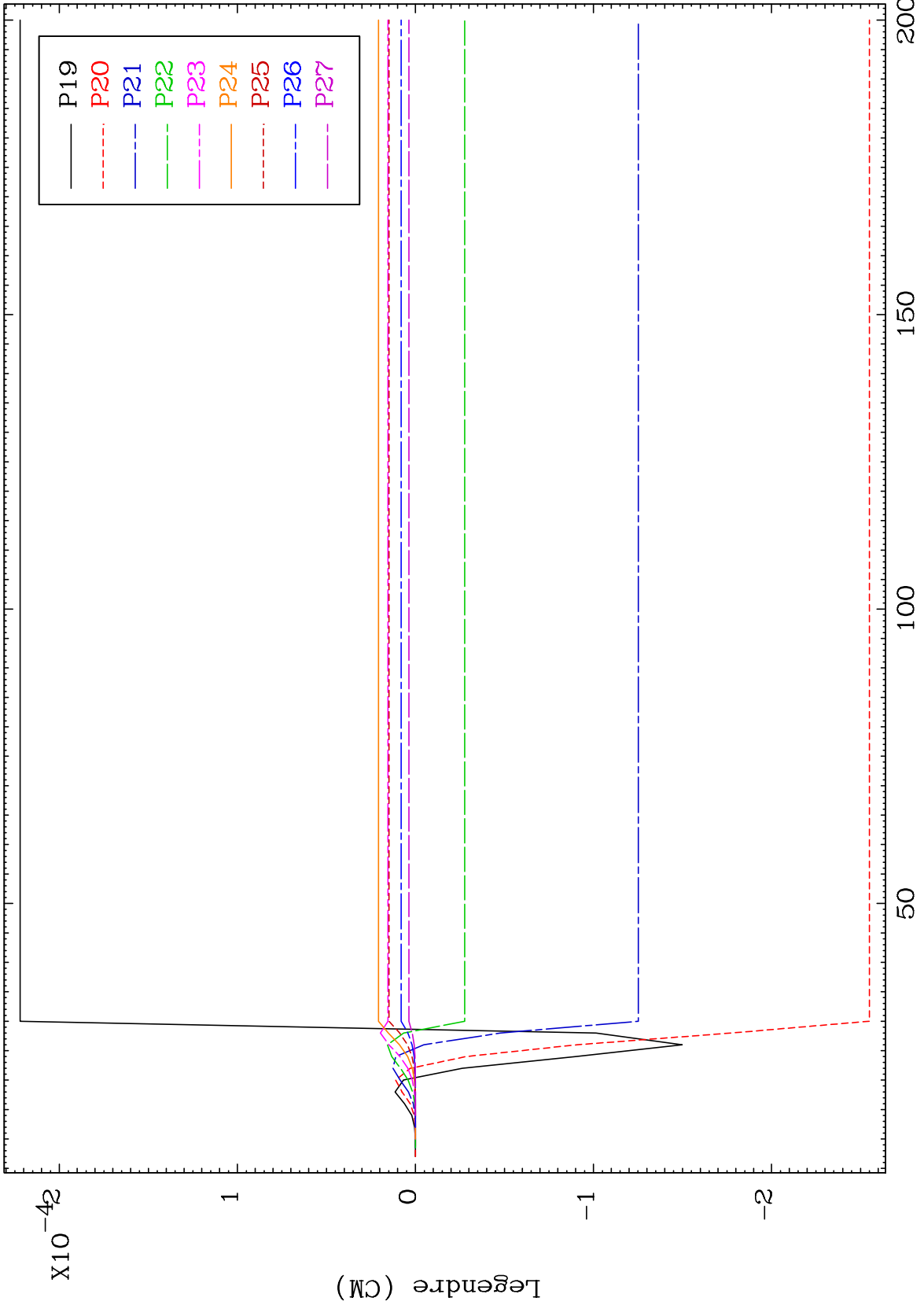
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



84

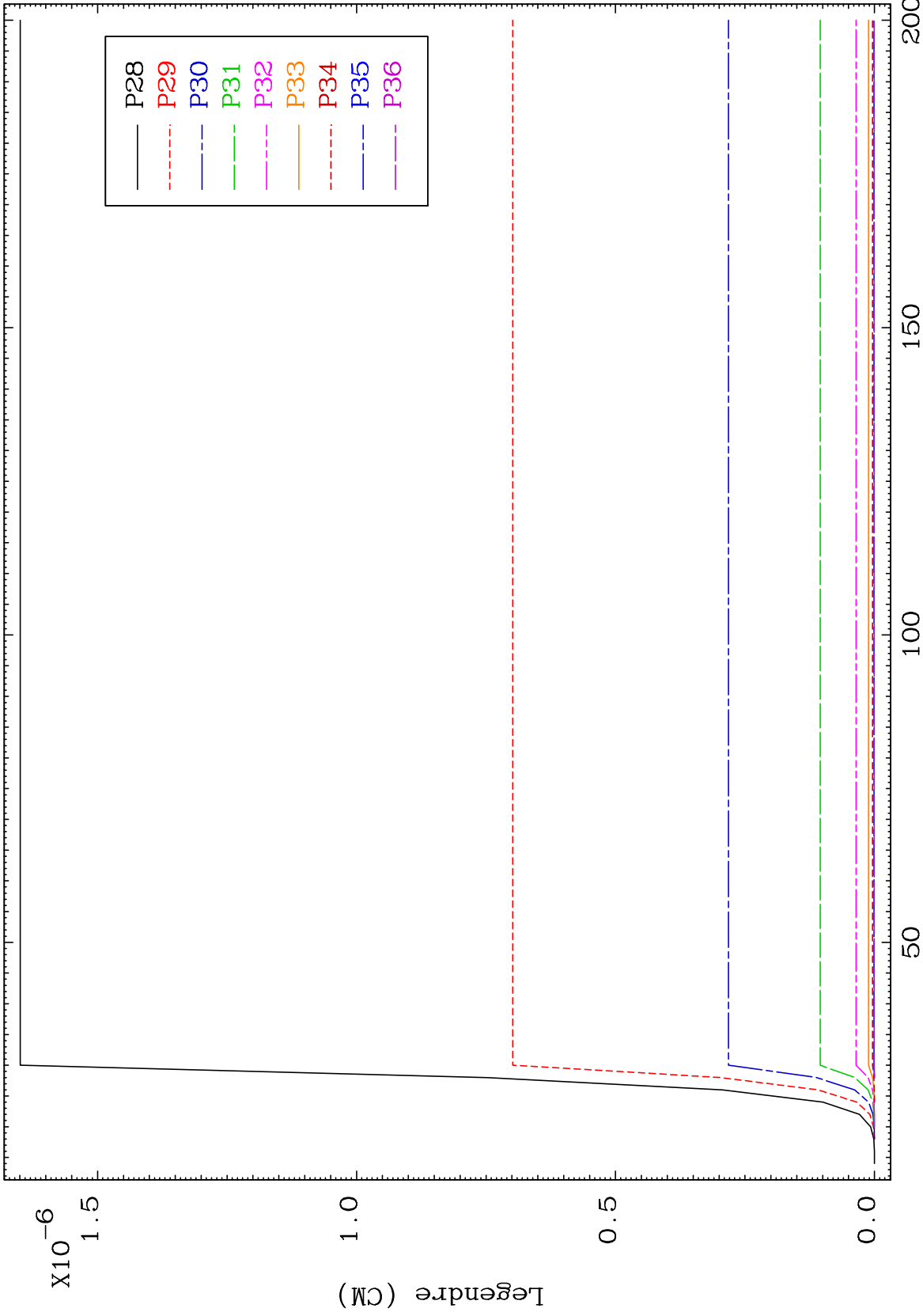
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



85

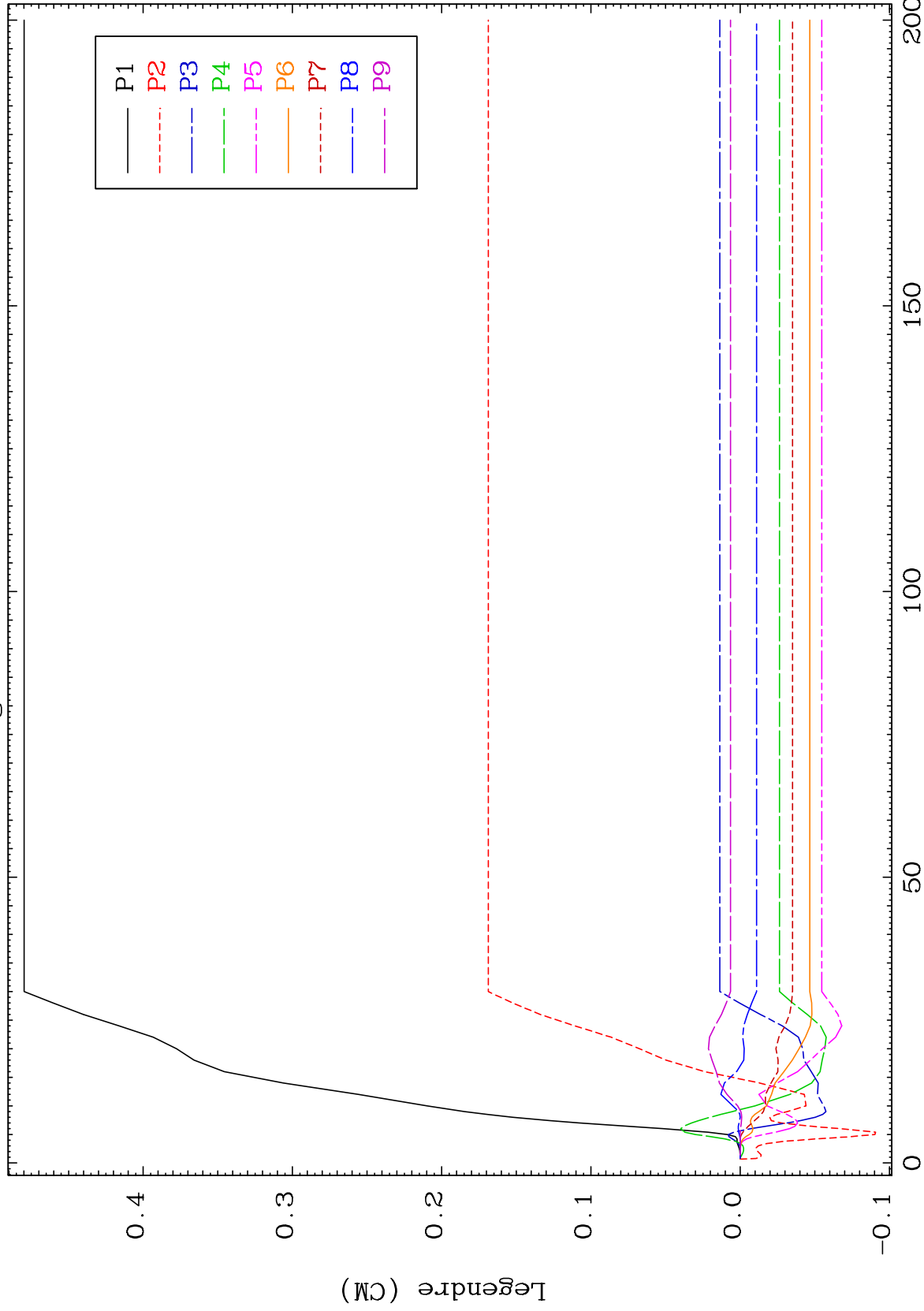
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



86

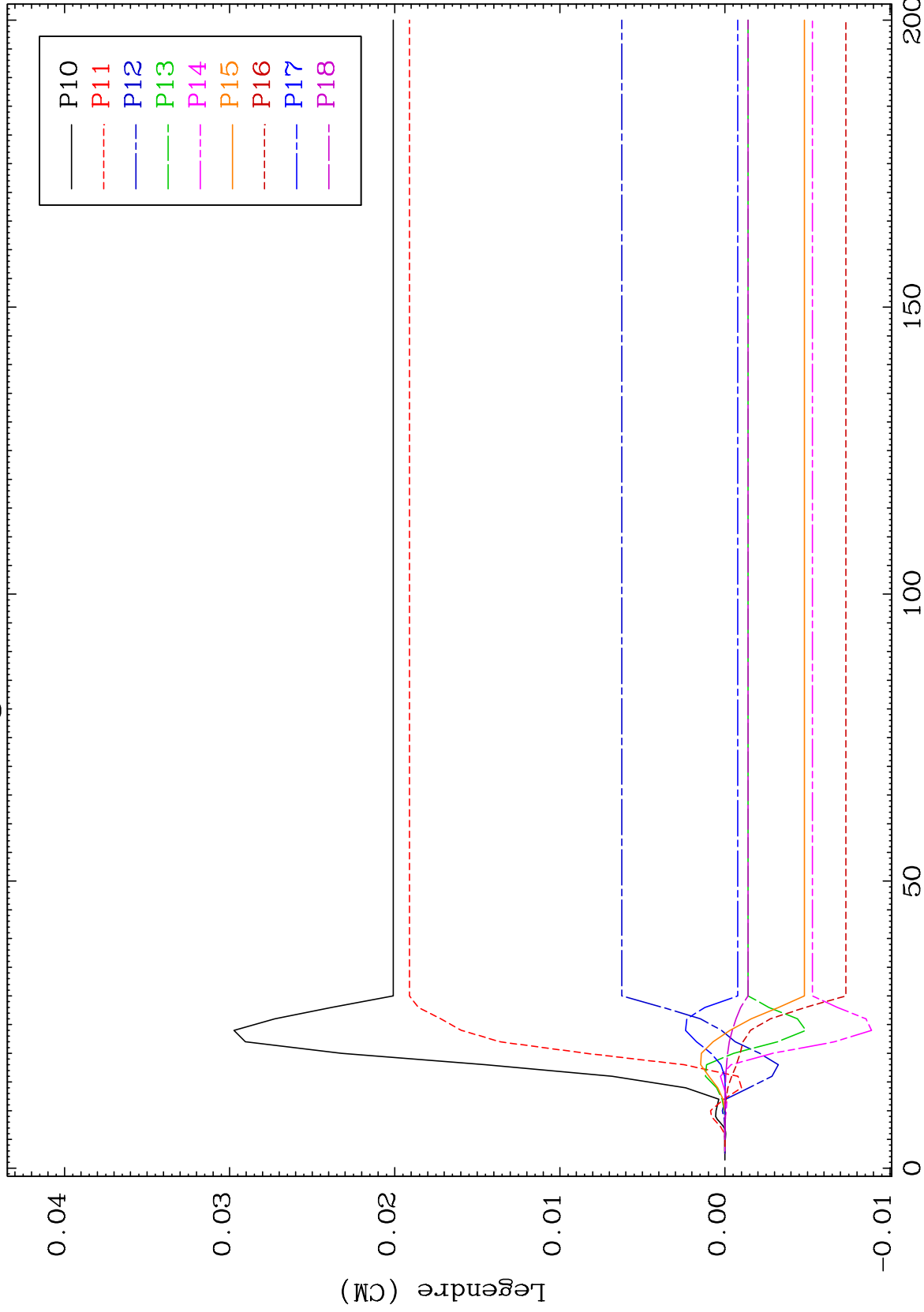
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



87

Incident Energy (MeV)

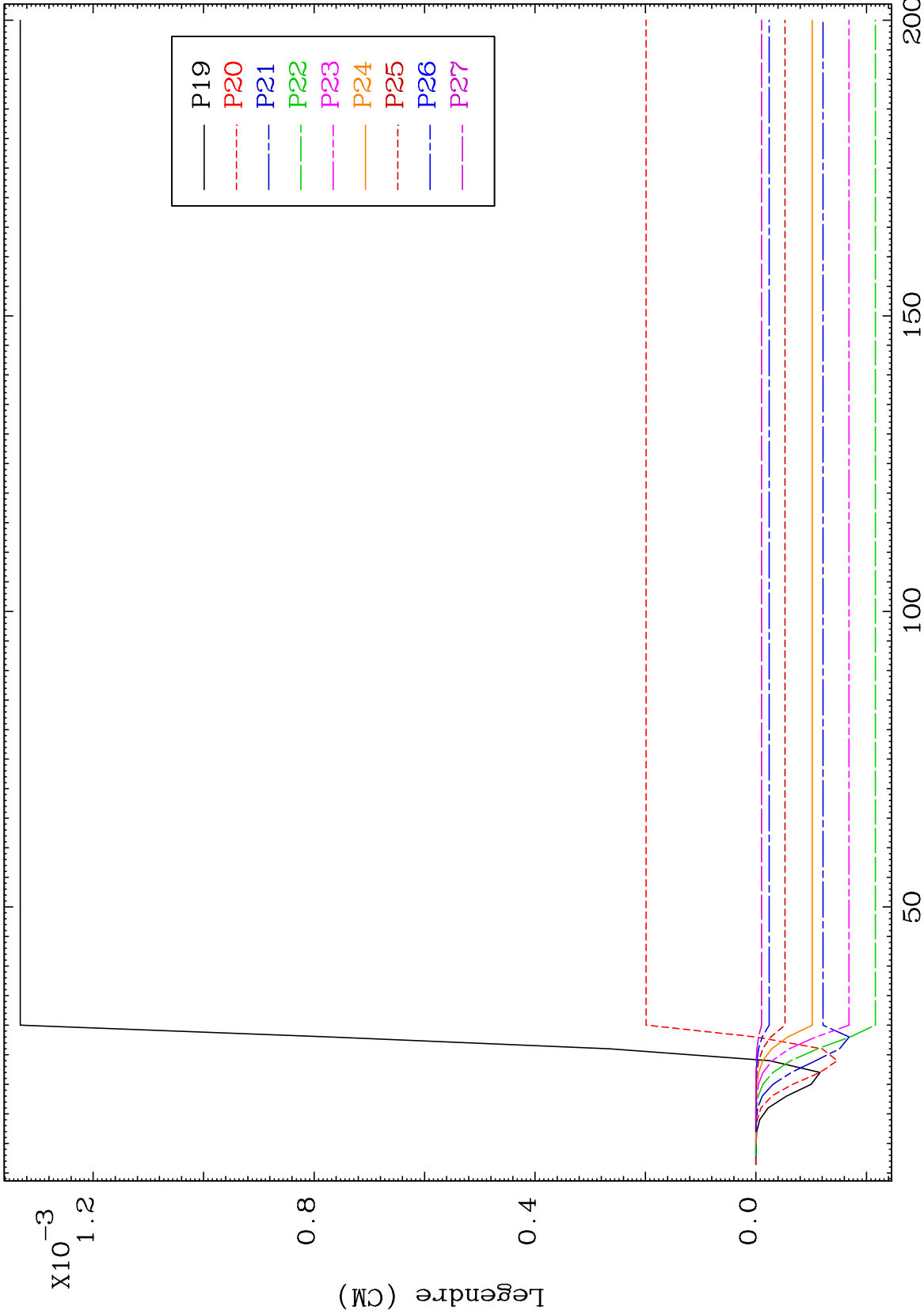
68-Er-167



MAT 6840

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

68-Er-167



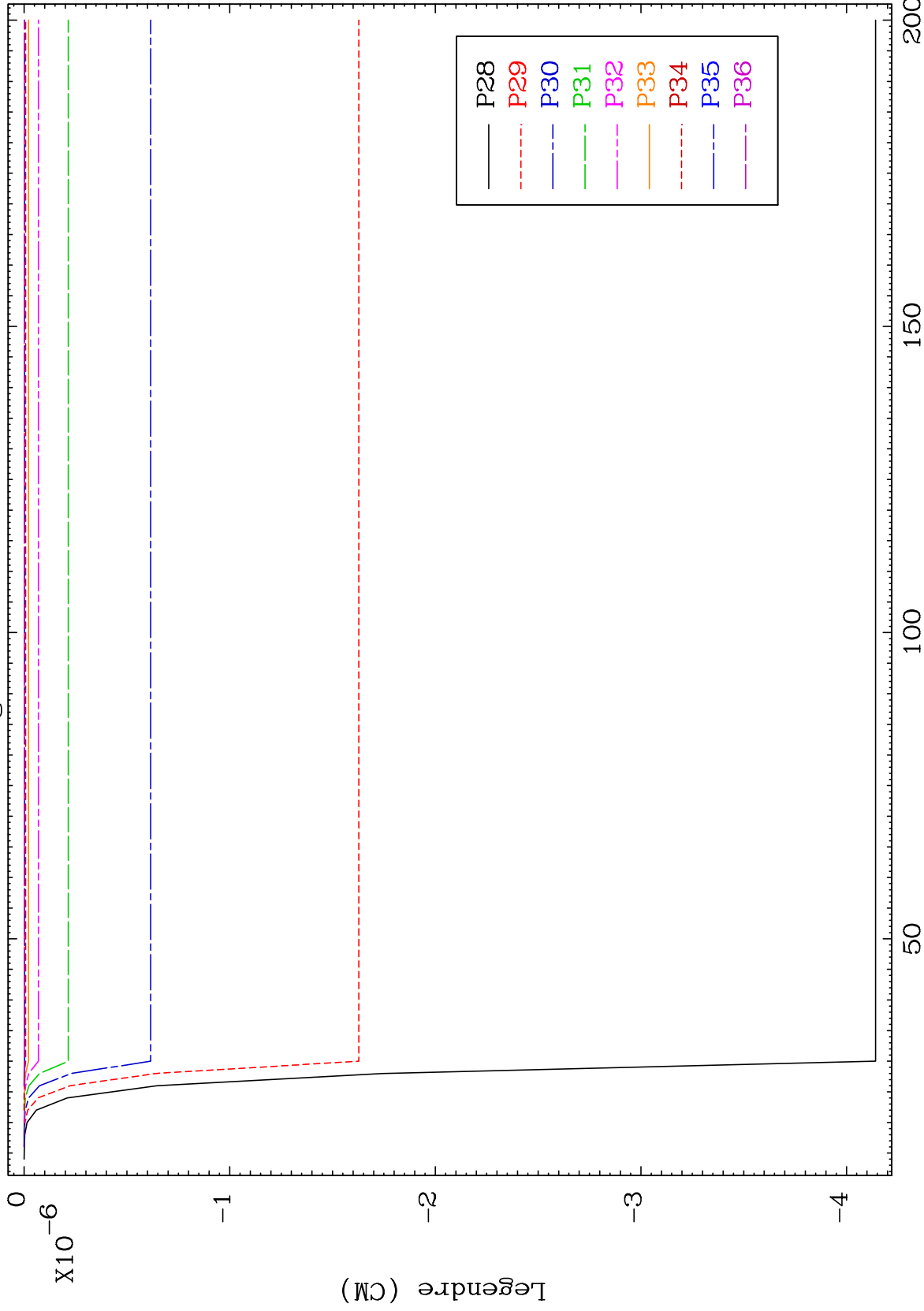
88

68-Er-167

MAT 6840

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

68-Er-167



89

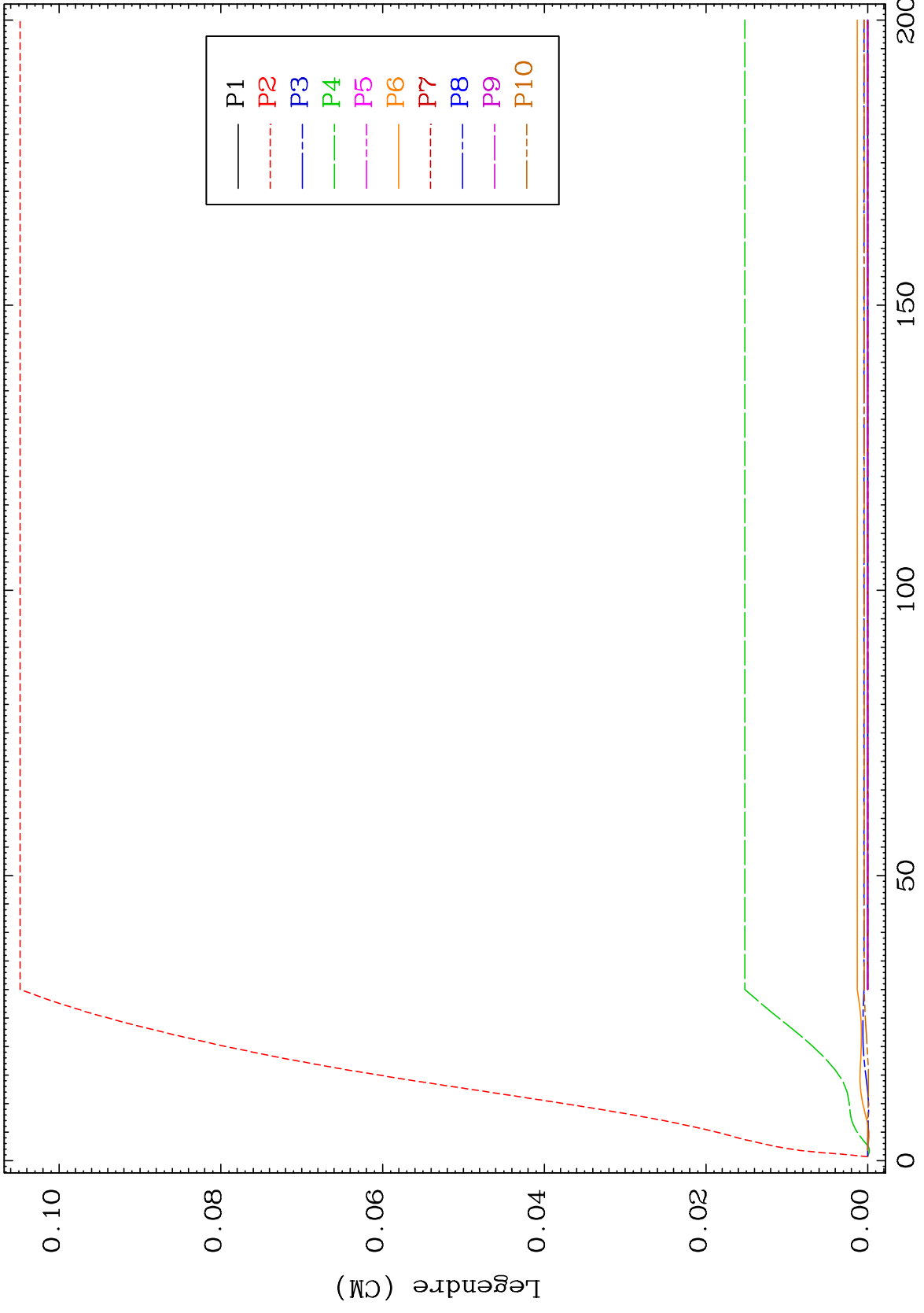
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



68-Er-167

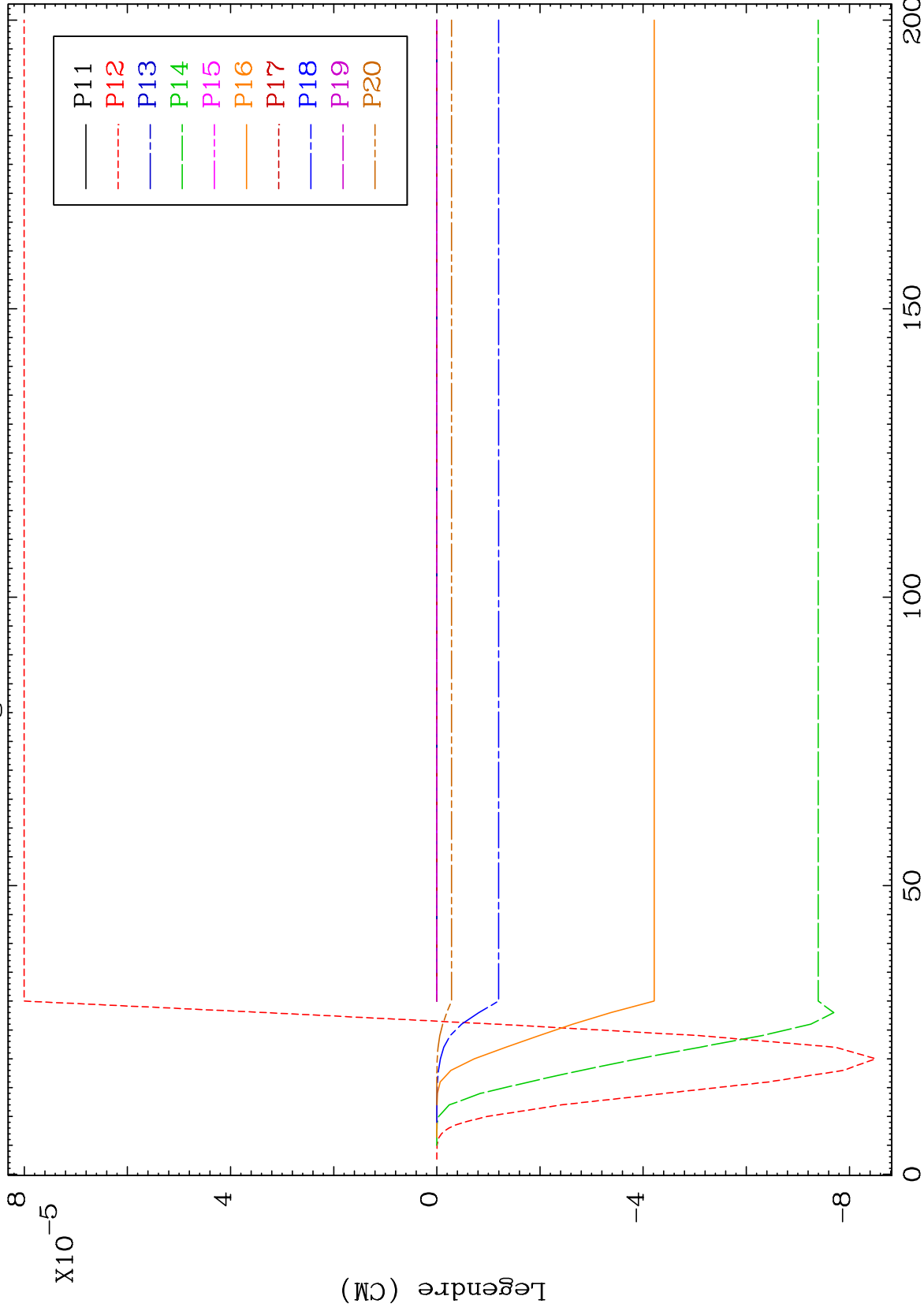
Incident Energy (MeV)

90

MAT 6840

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

68-Er-167



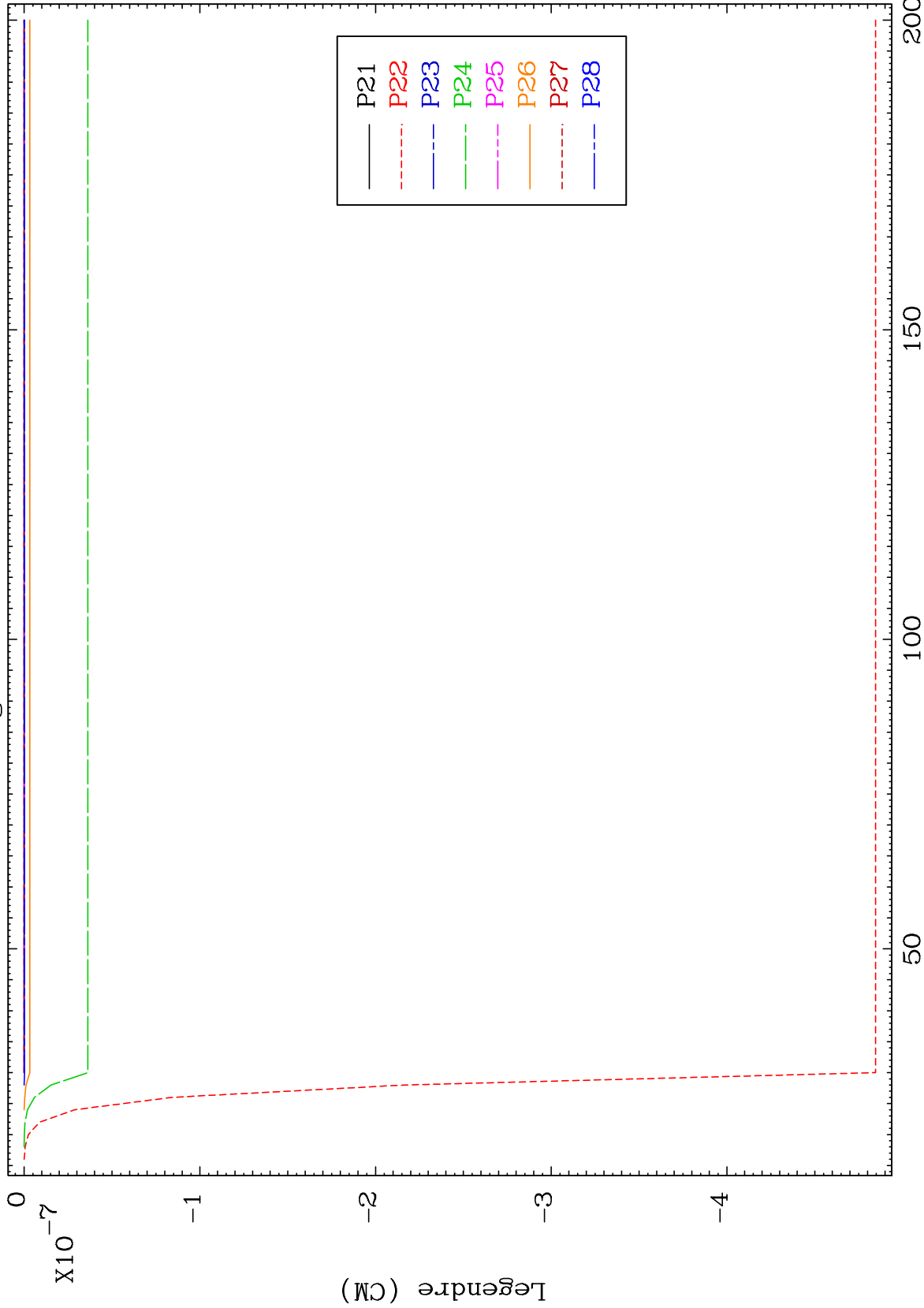
91

68-Er-167

MAT 6840

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

68-Er-167



92

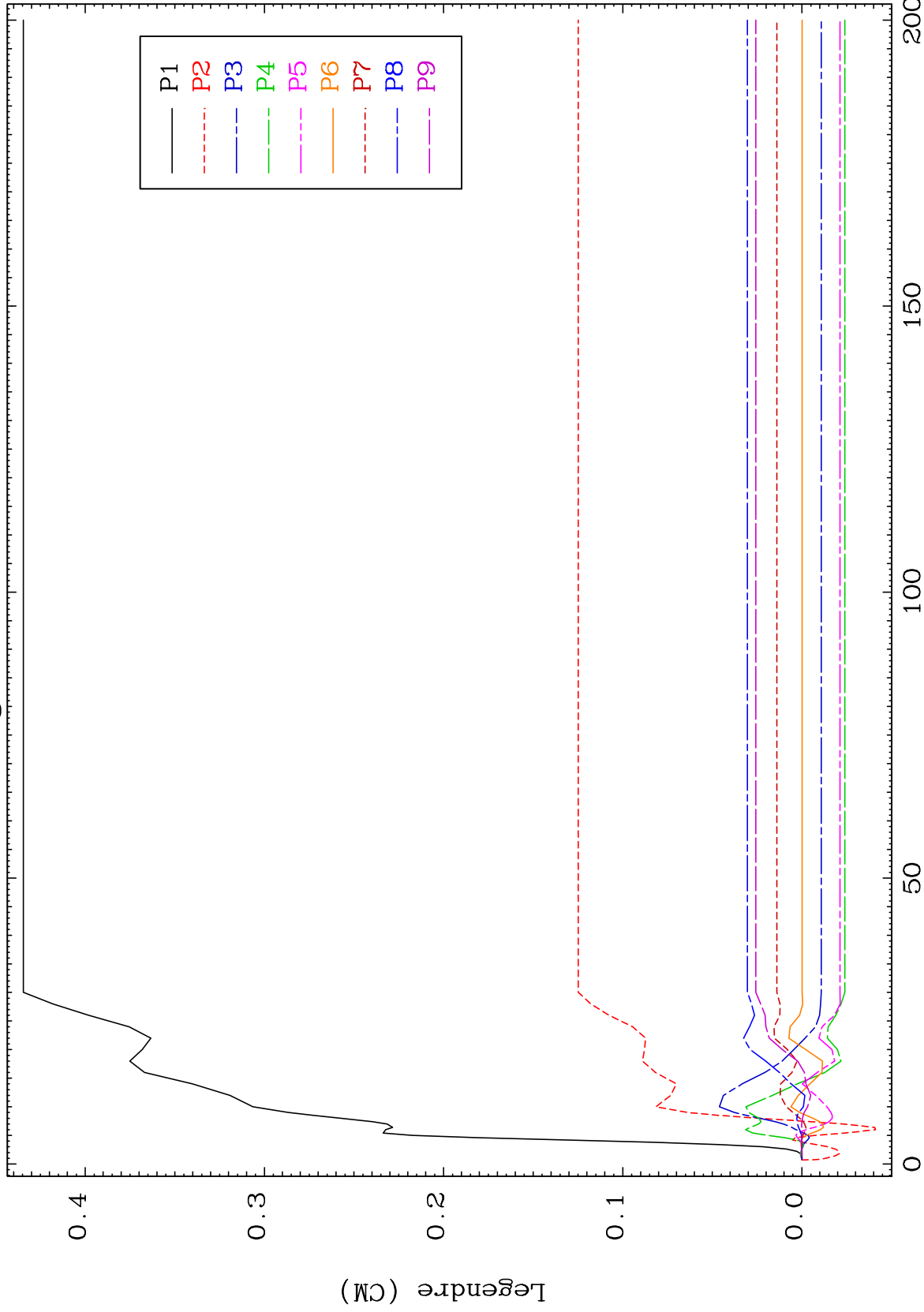
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



93

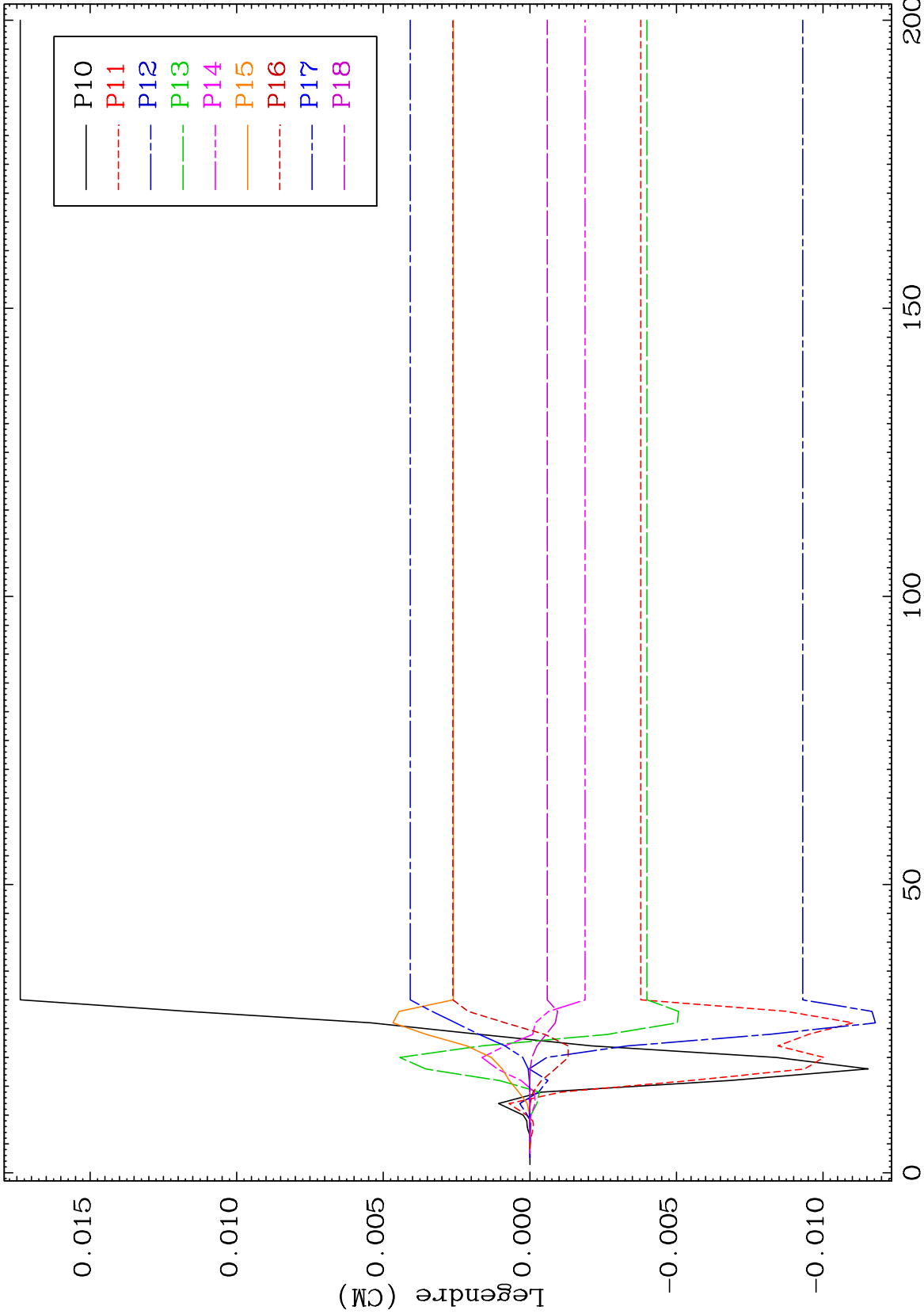
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



94

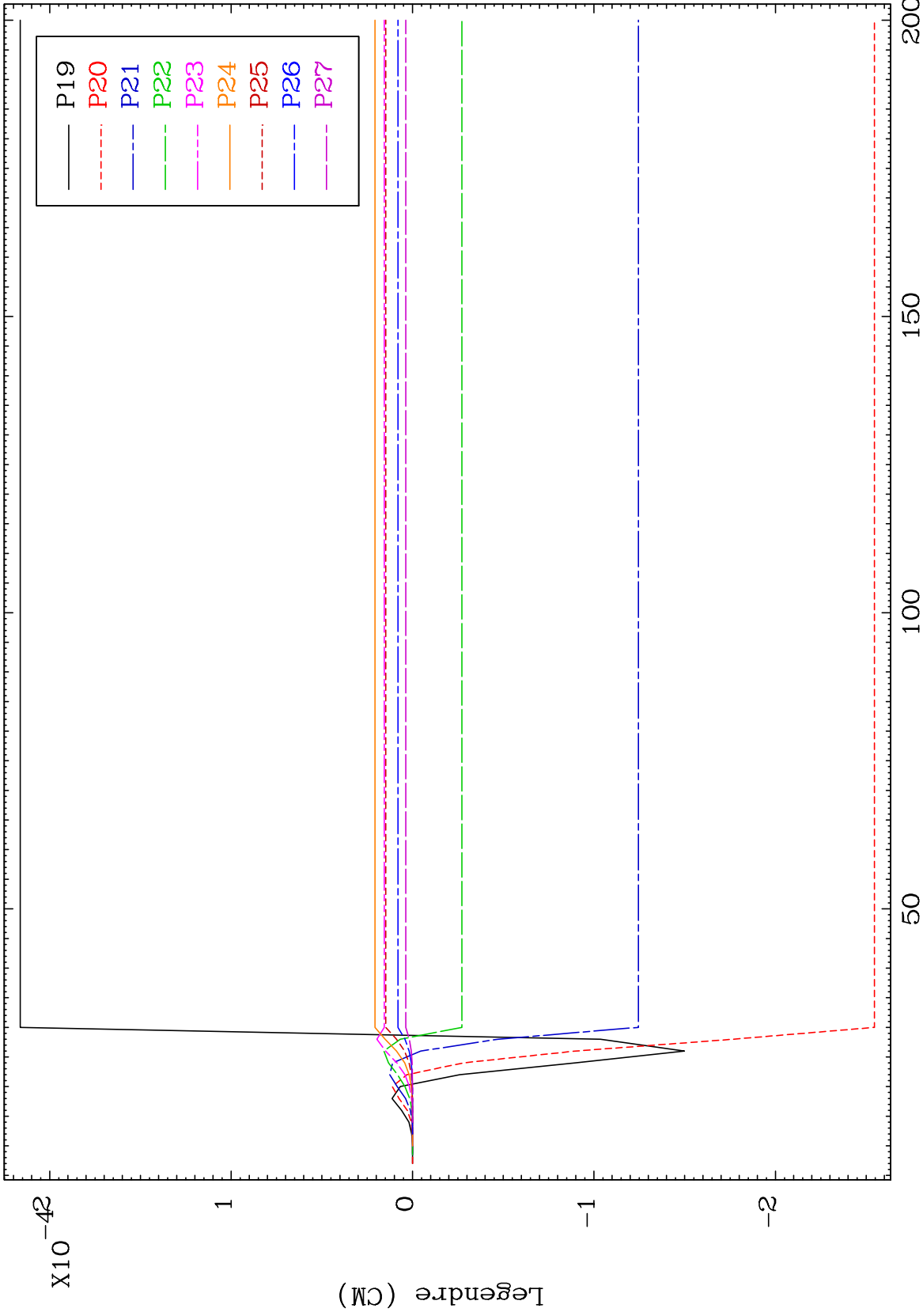
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167

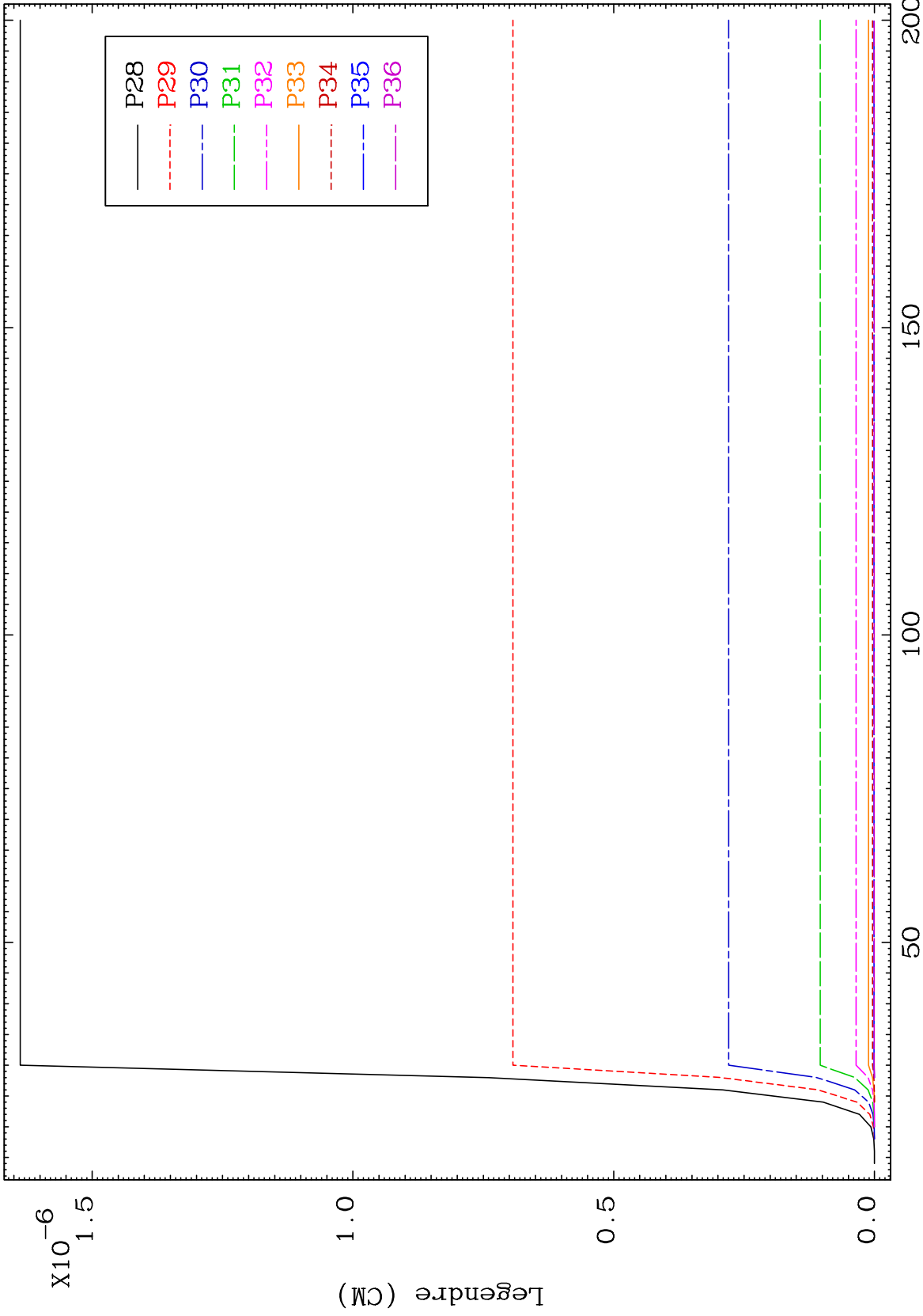


95

Incident Energy (MeV)

68-Er-167

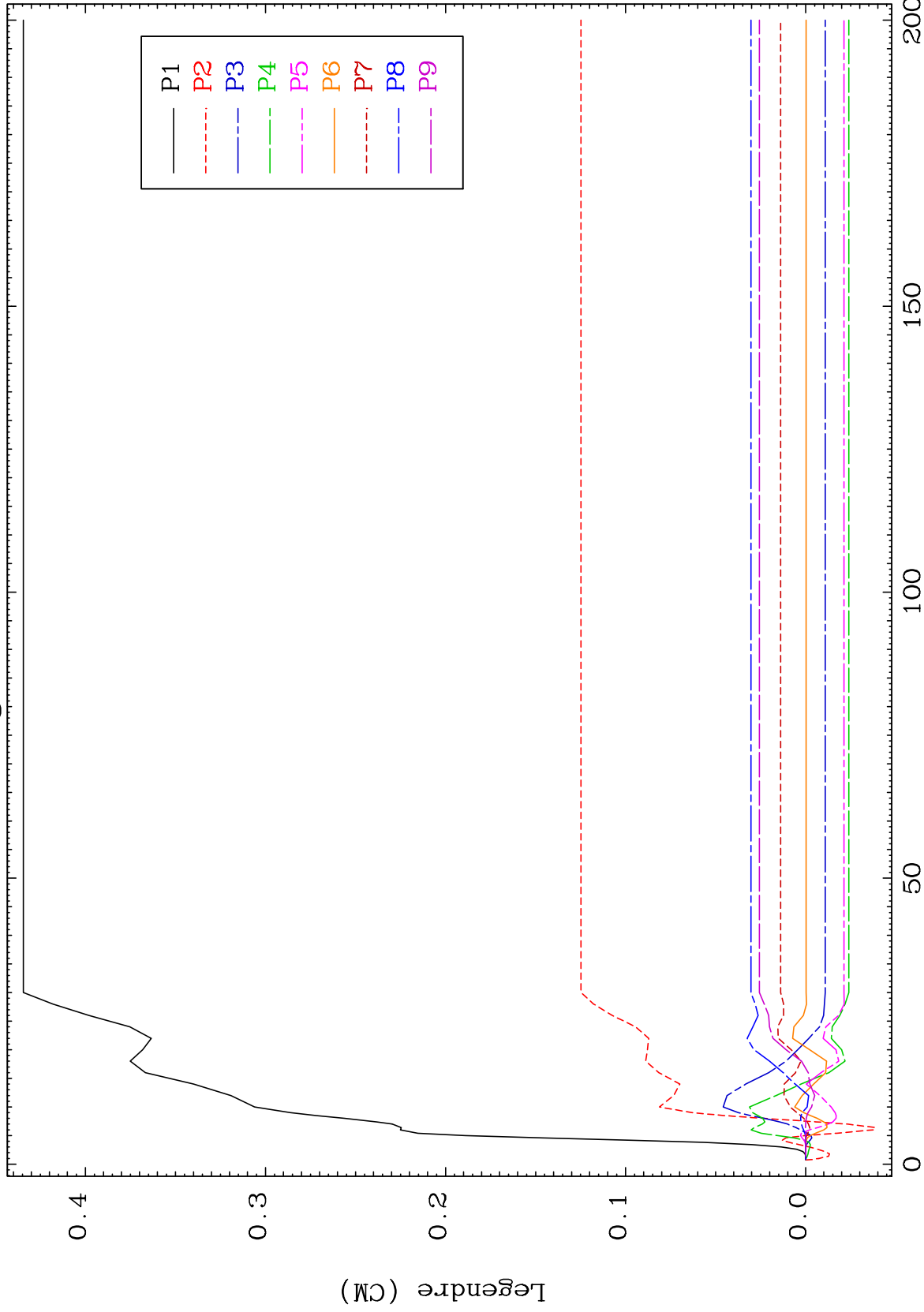




MAT 6840

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

68-Er-167



97

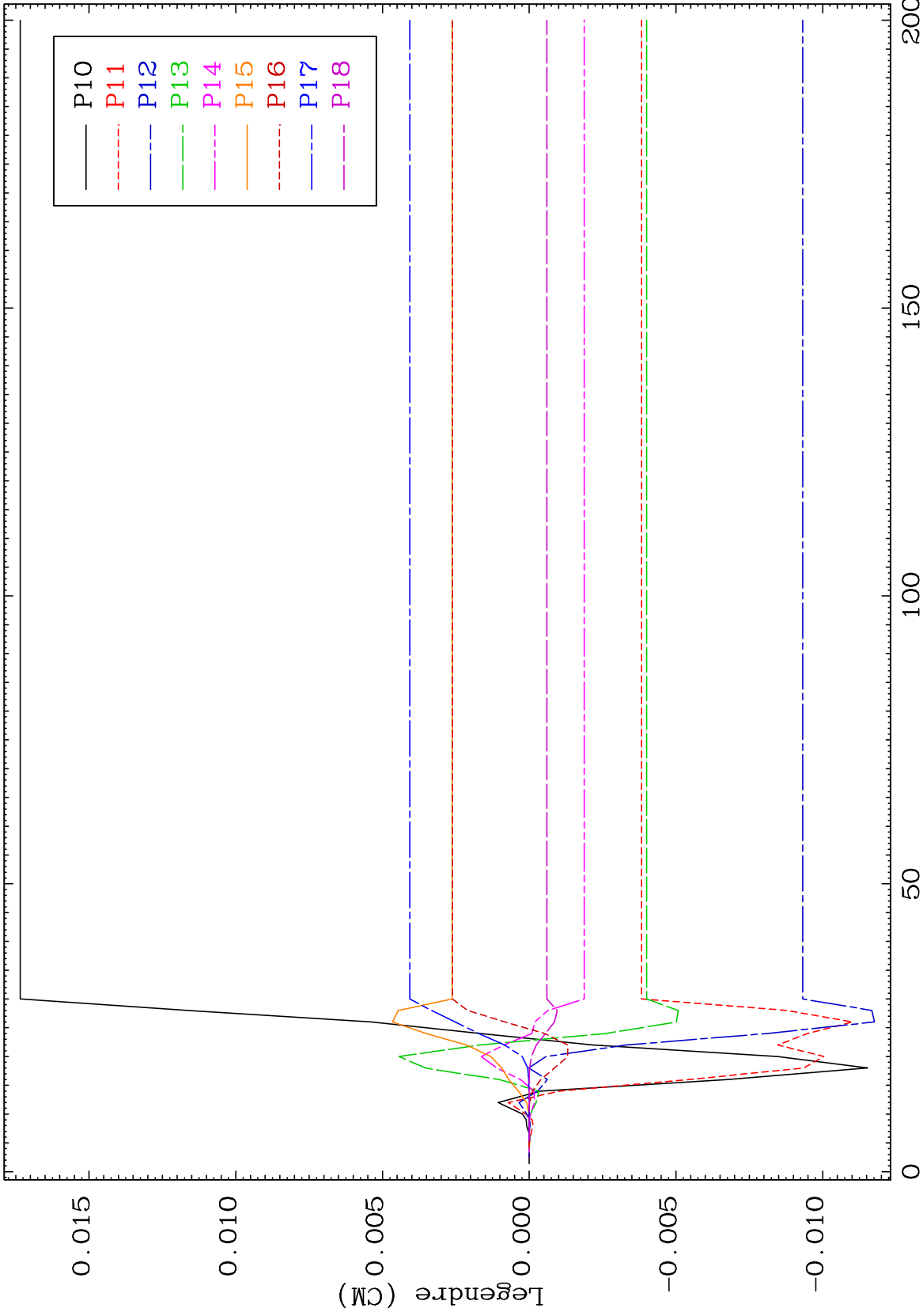
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



98

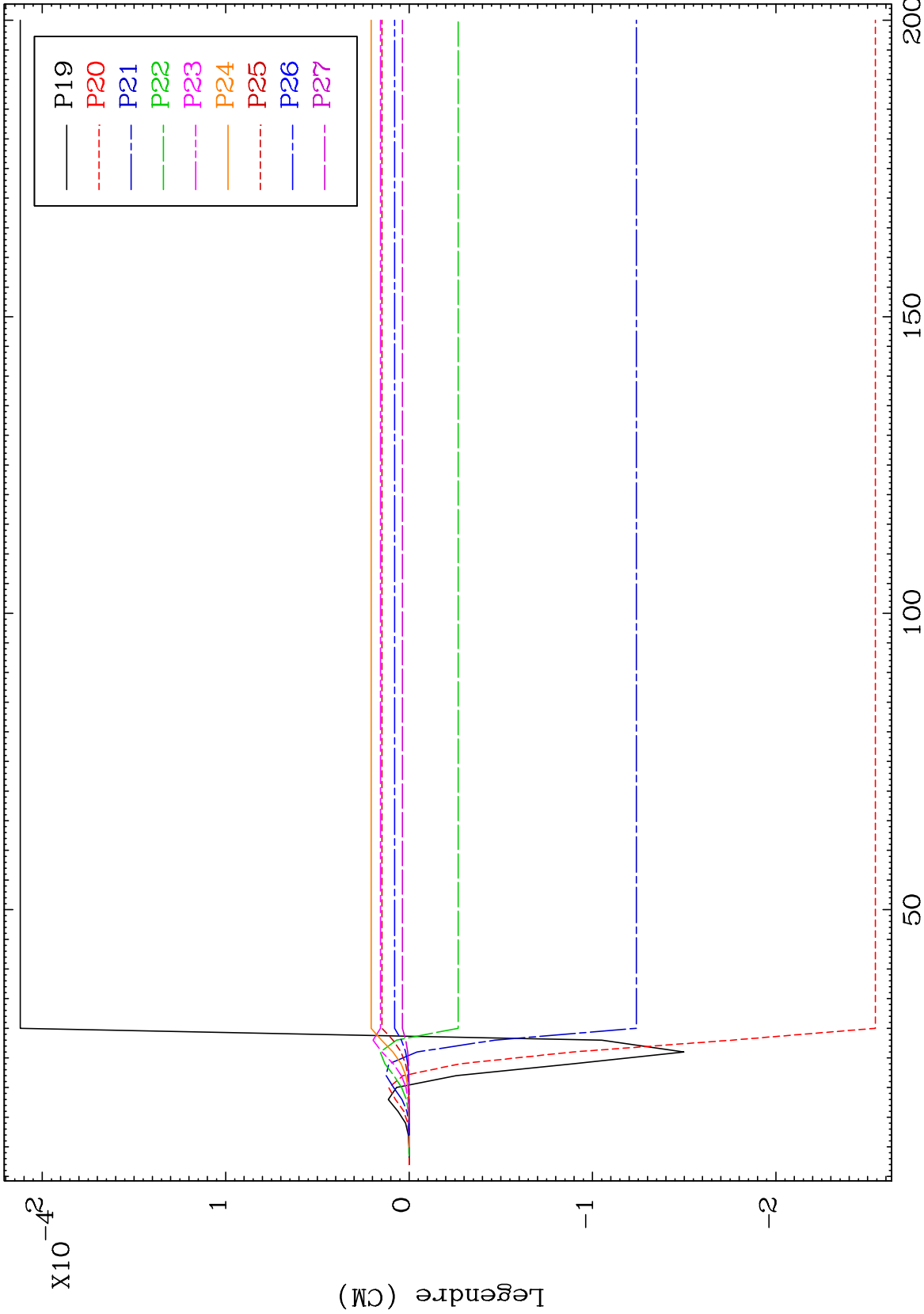
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



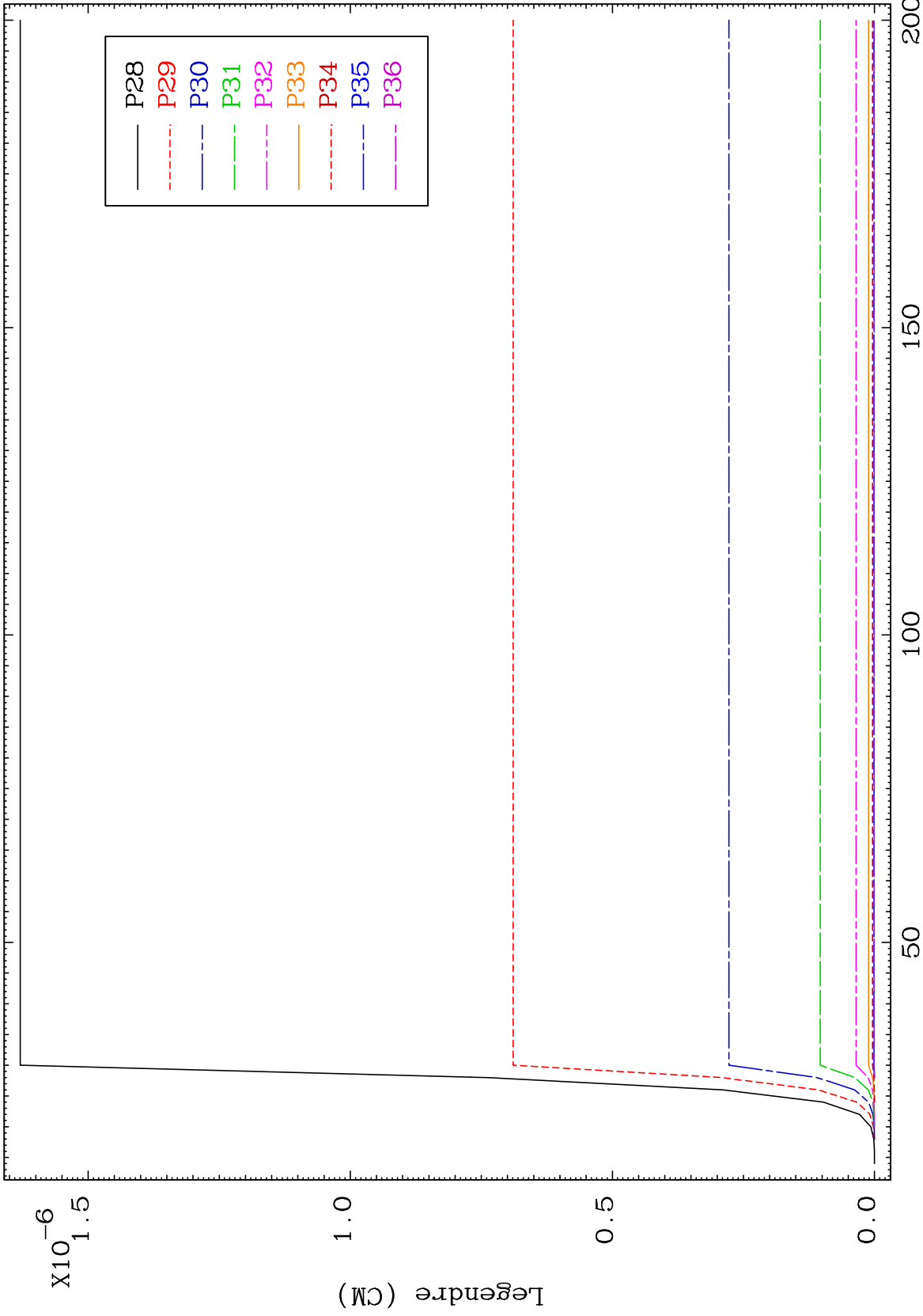
99

68-Er-167

MAT 6840

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

68-Er-167



100

50

100

Incident Energy (MeV)

150

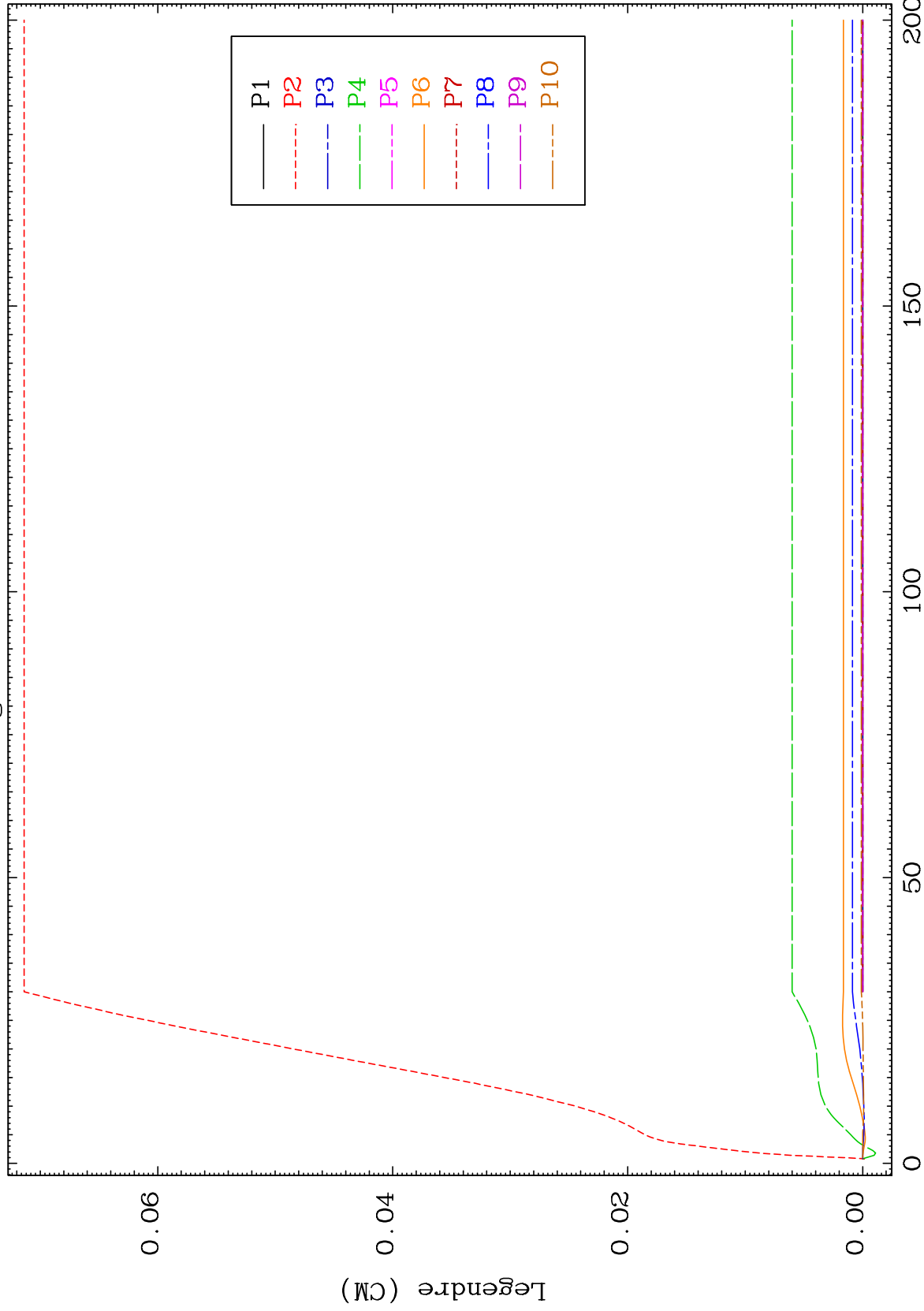
200

68-Er-167

MAT 6840

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

68-Er-167



101

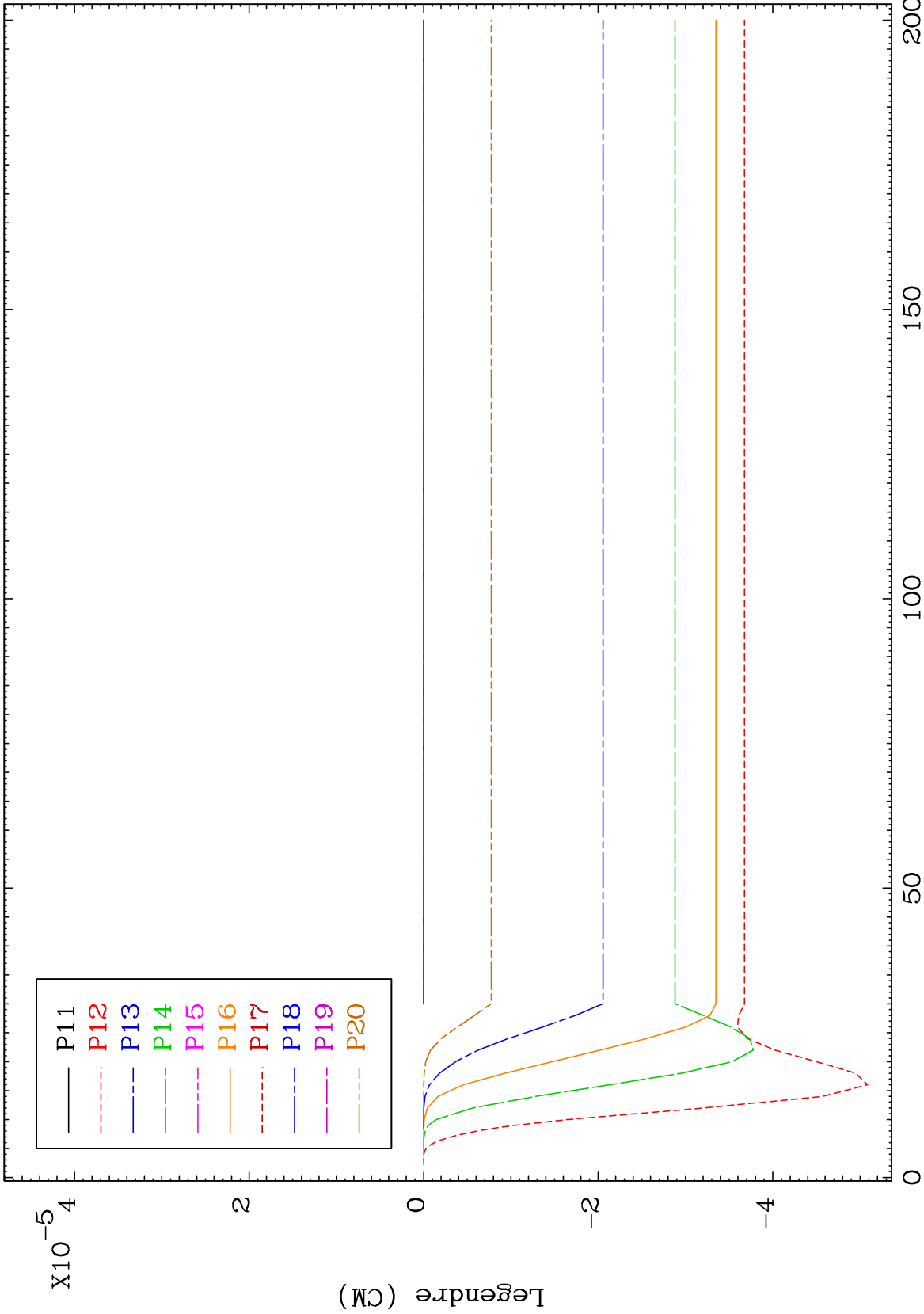
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



102

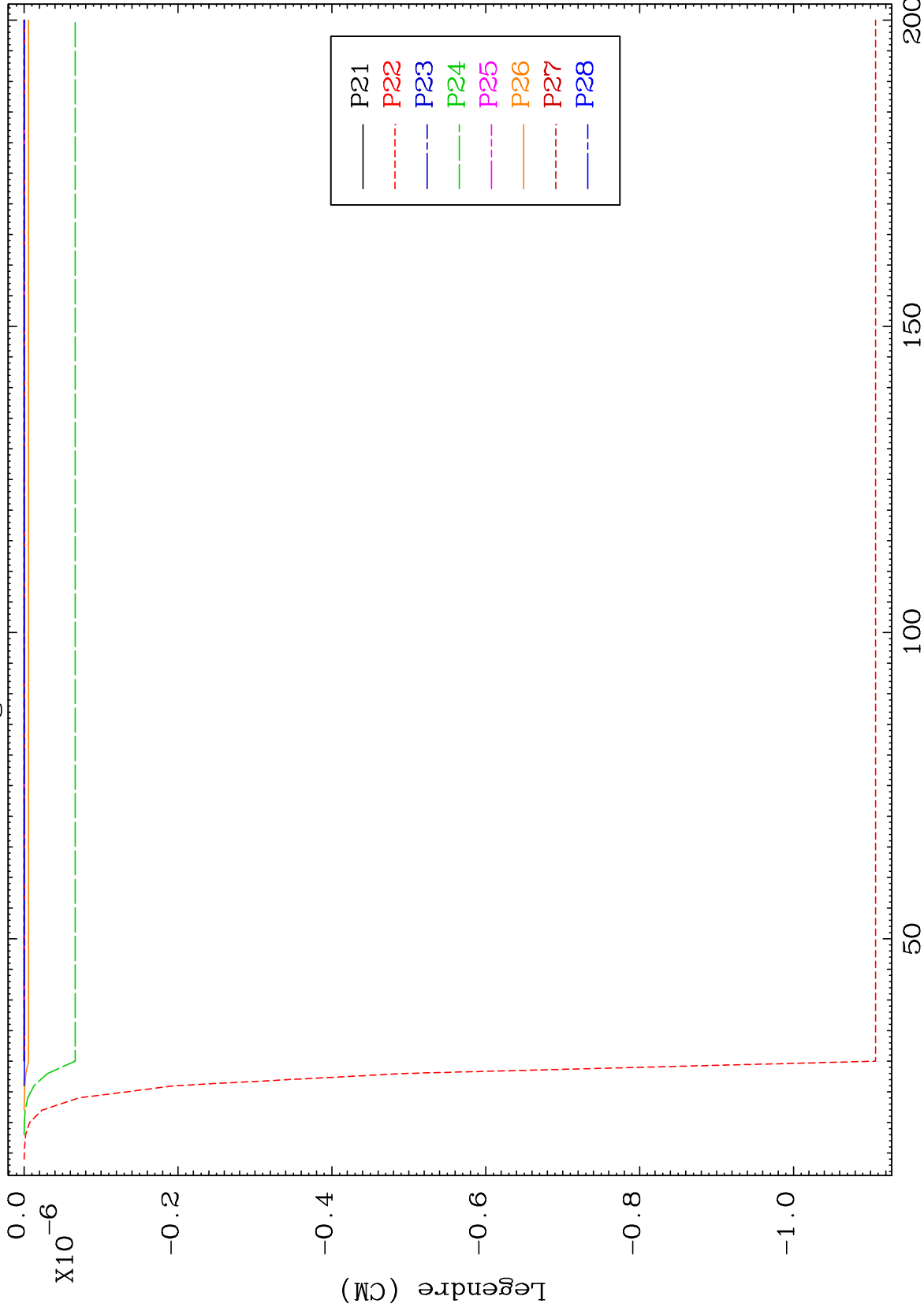
68-Er-167

68-Er-167

MAT 6840

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

68-Er-167



103

Incident Energy (MeV)

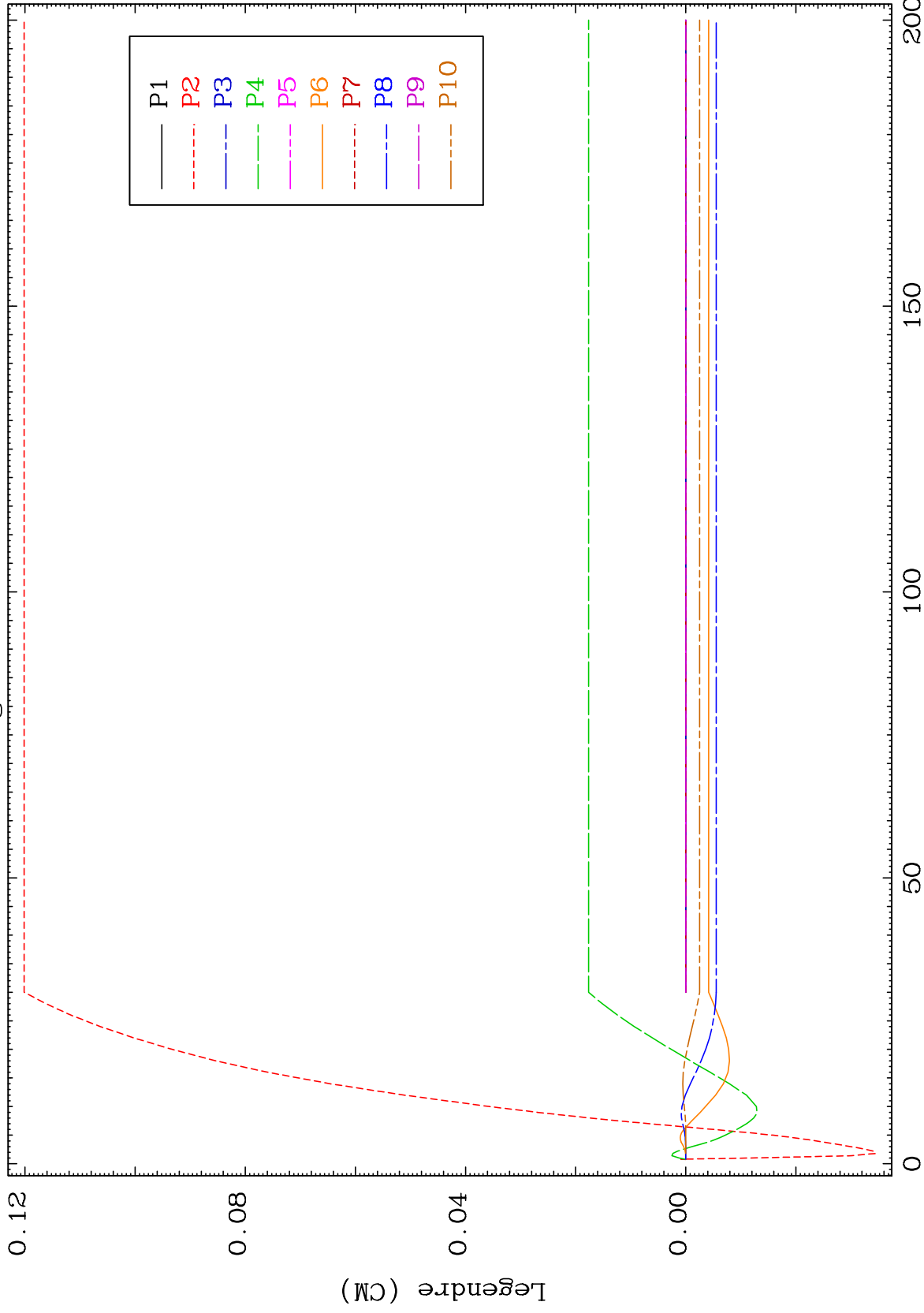
68-Er-167



MAT 6840

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

68-Er-167



68-Er-167

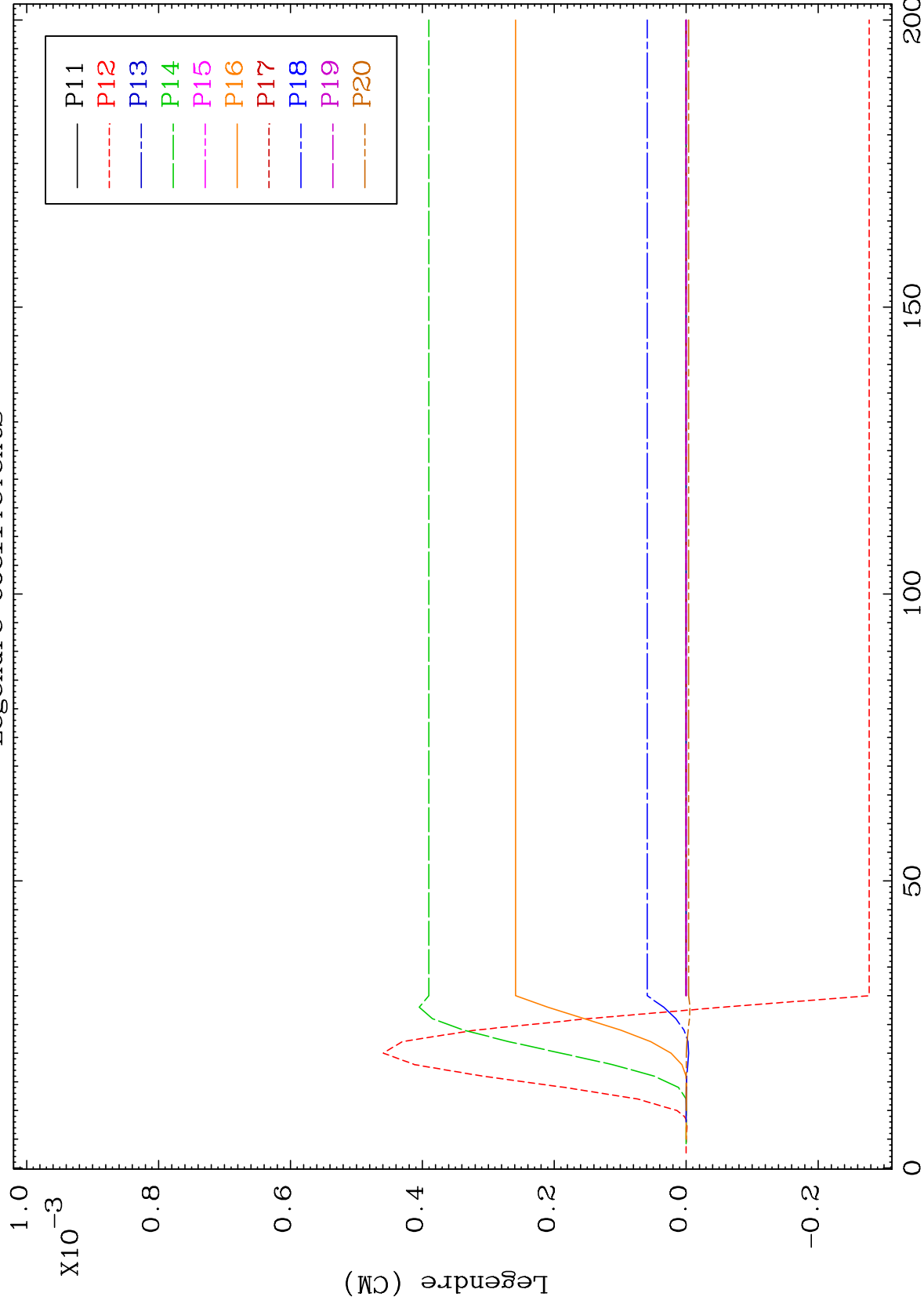
Incident Energy (MeV)

104

MAT 6840

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

68-Er-167



105

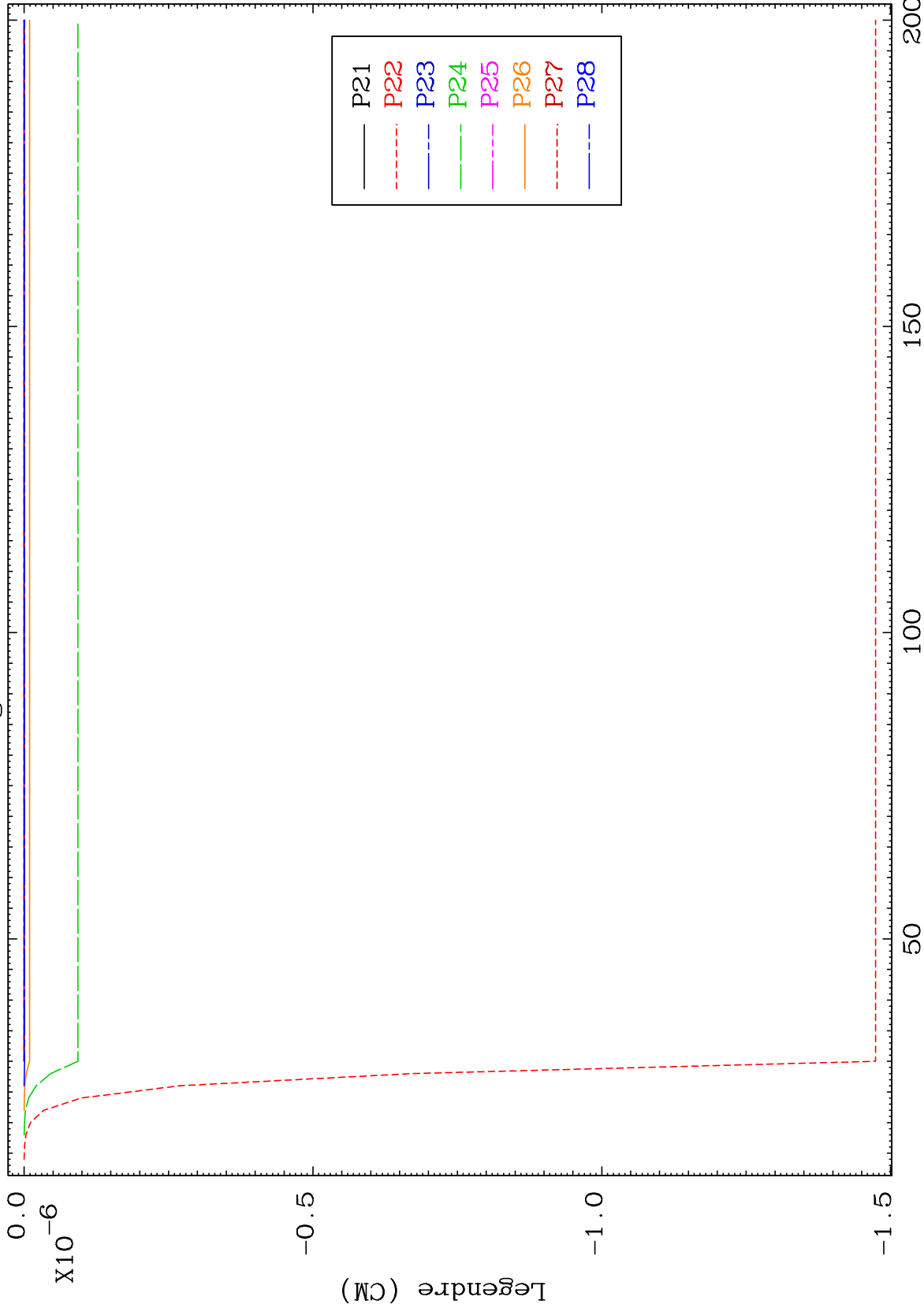
68-Er-167

68-Er-167

MAT 6840

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

68-Er-167



106

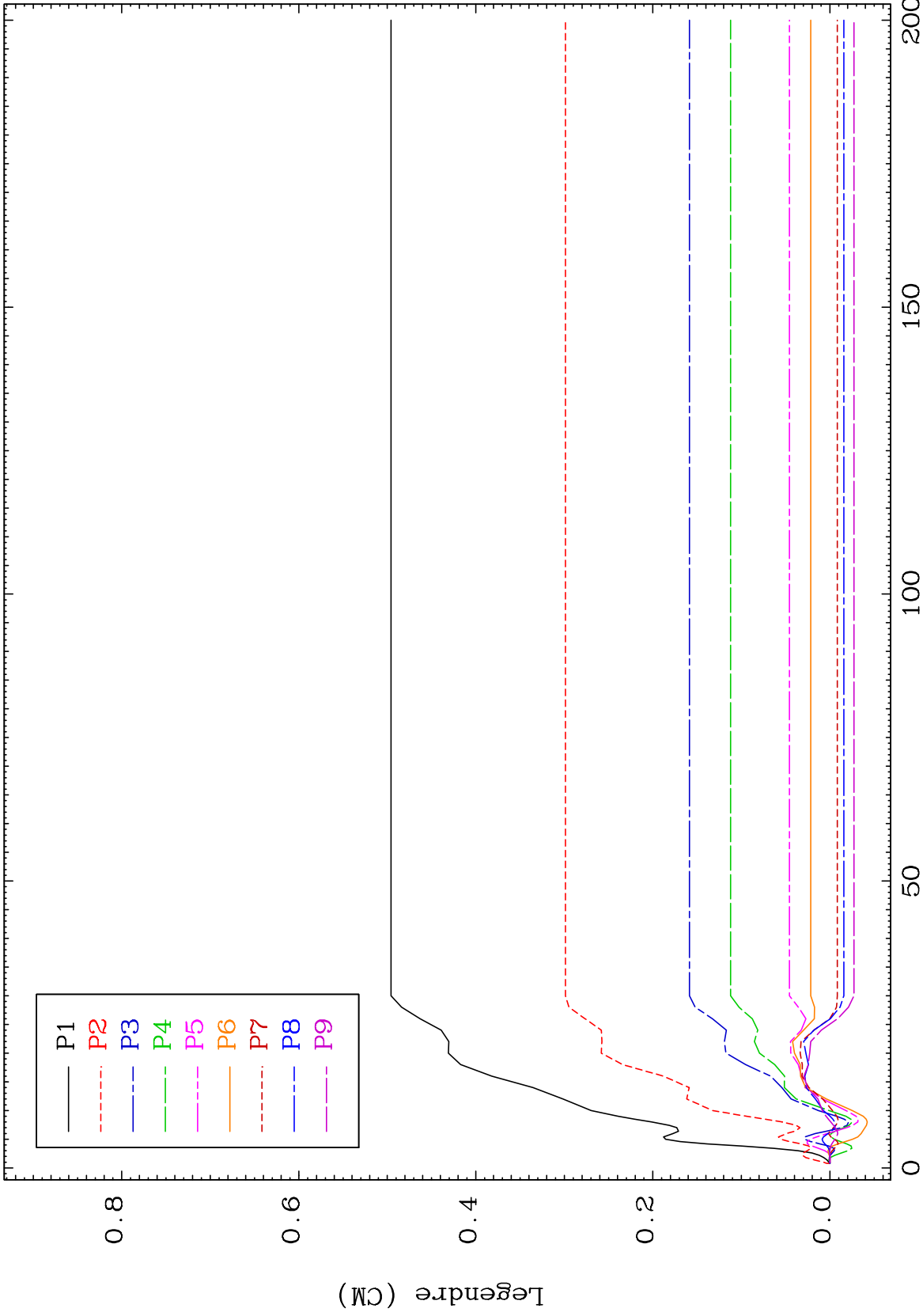
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



107

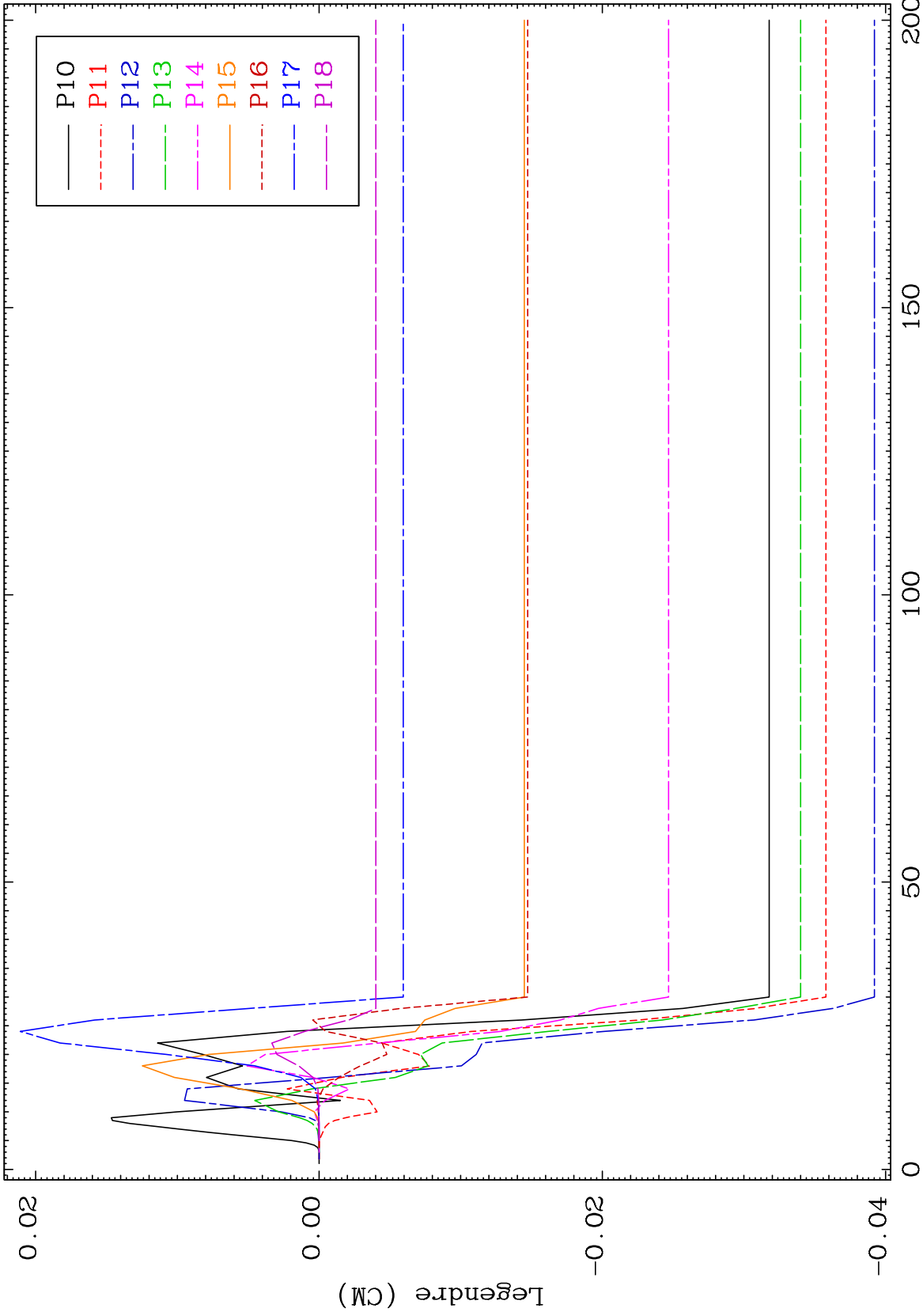
Incident Energy (MeV)

68-Er-167

MAT 6840

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

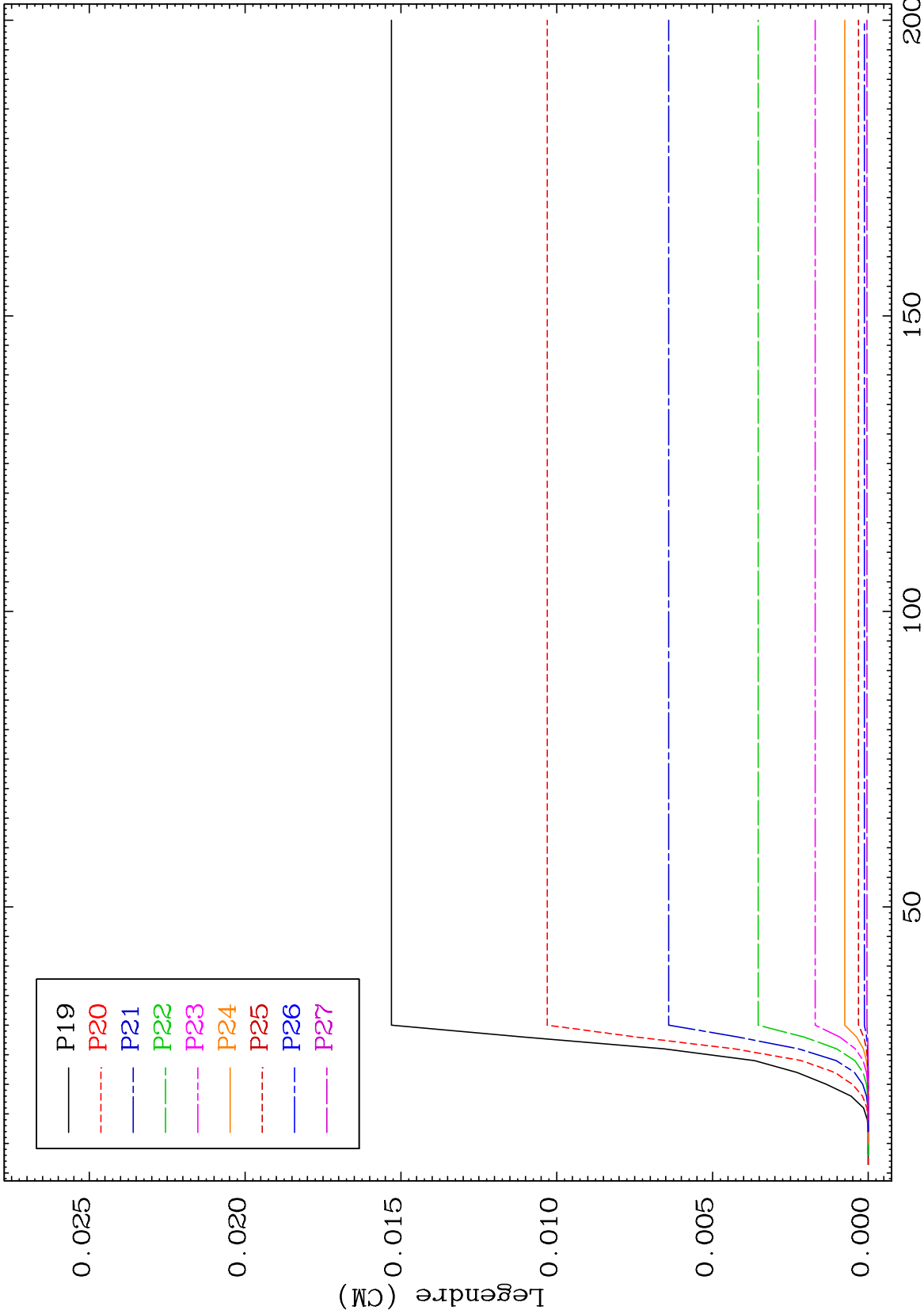
68-Er-167



108

Incident Energy (MeV)

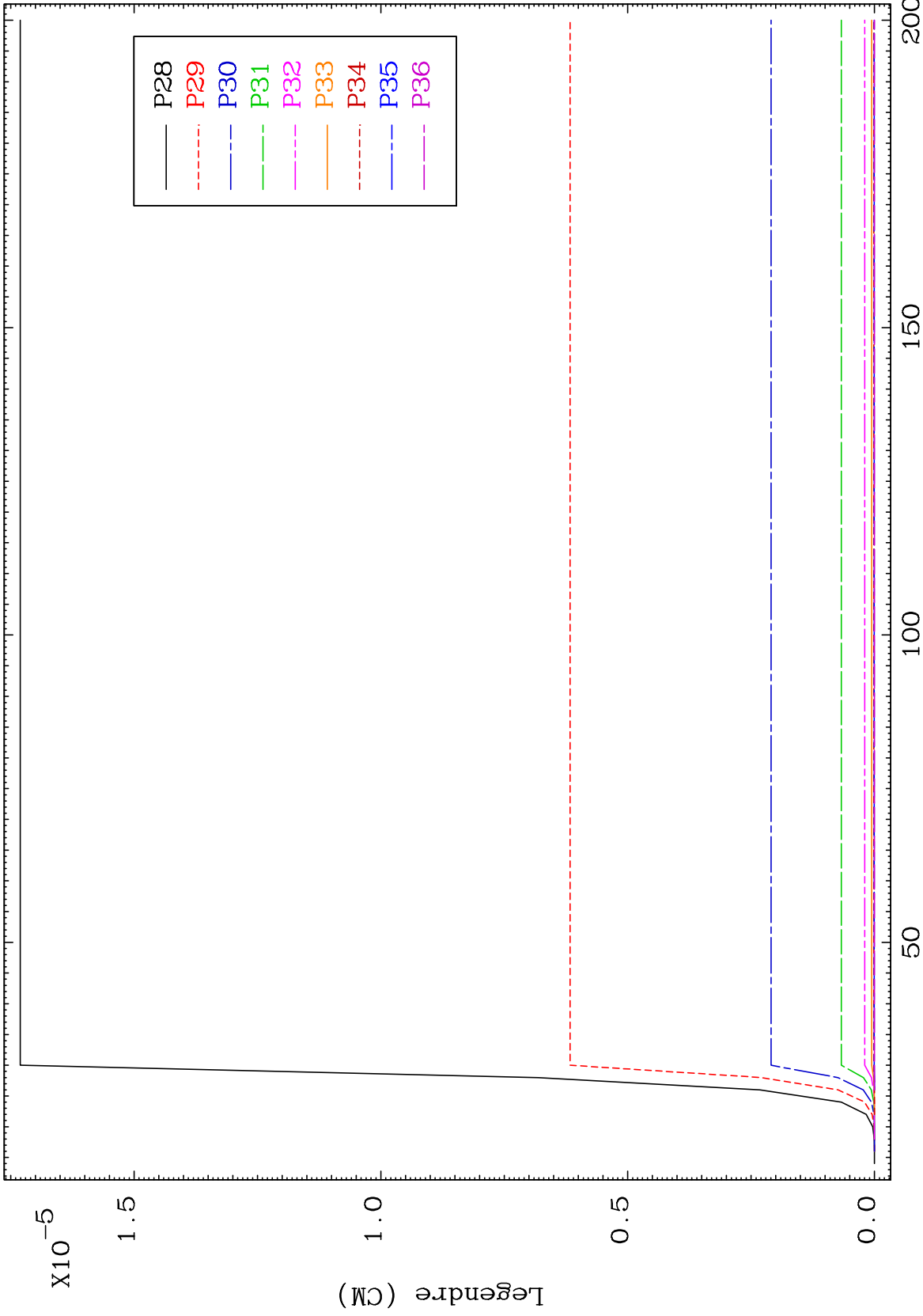
68-Er-167



MAT 6840

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

68-Er-167



110

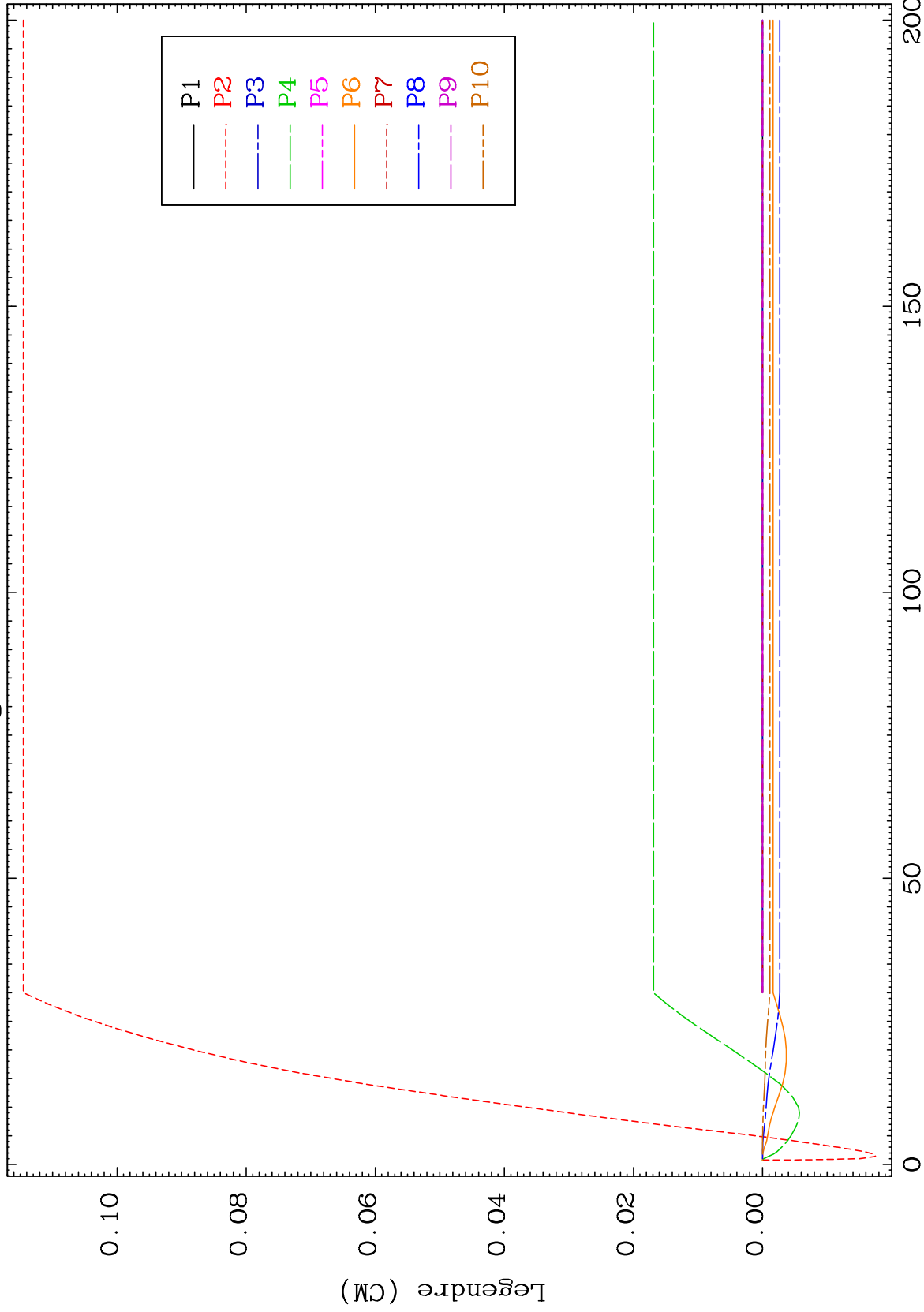
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



111

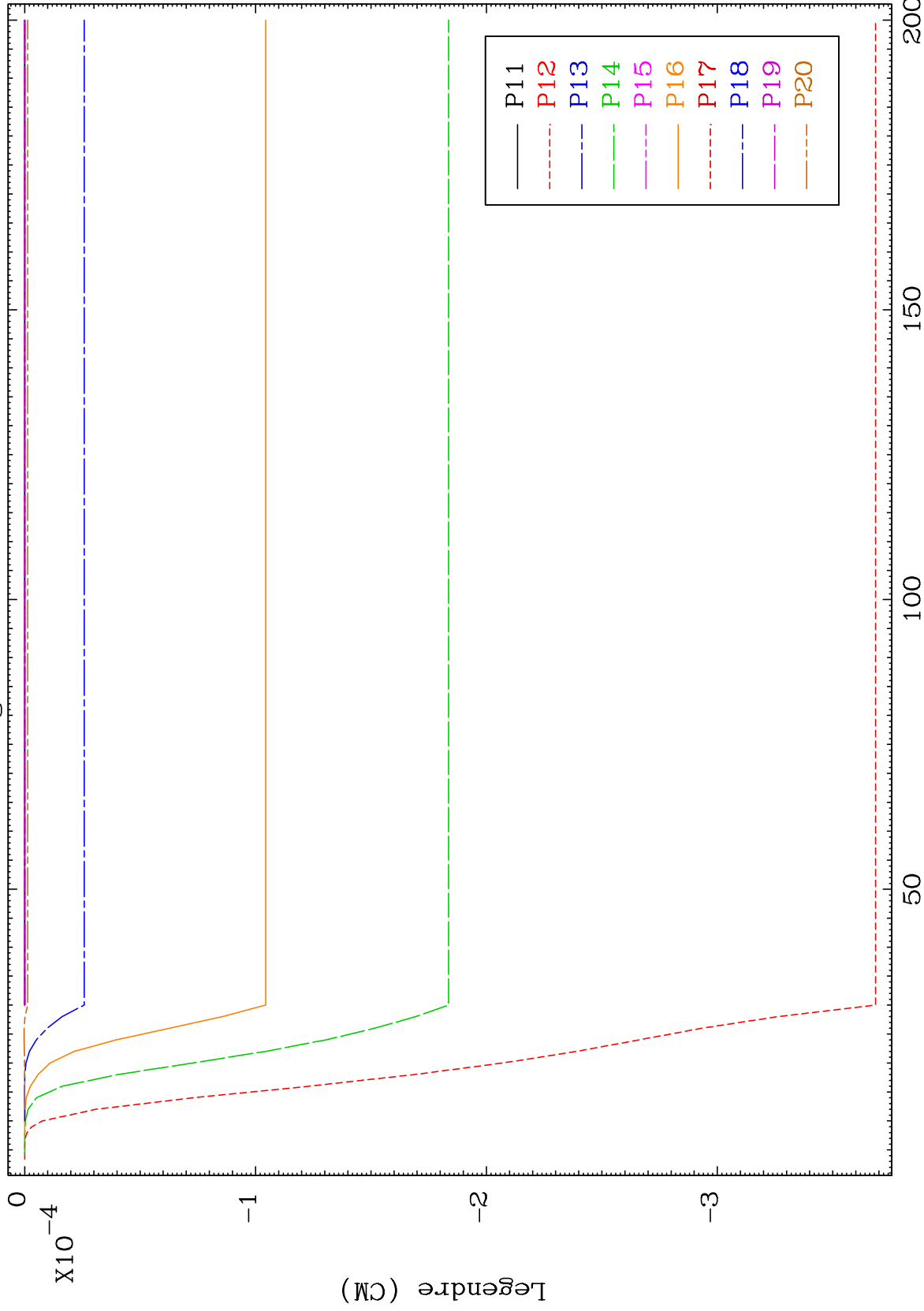
68-Er-167



MAT 6840

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

68-Er-167



112

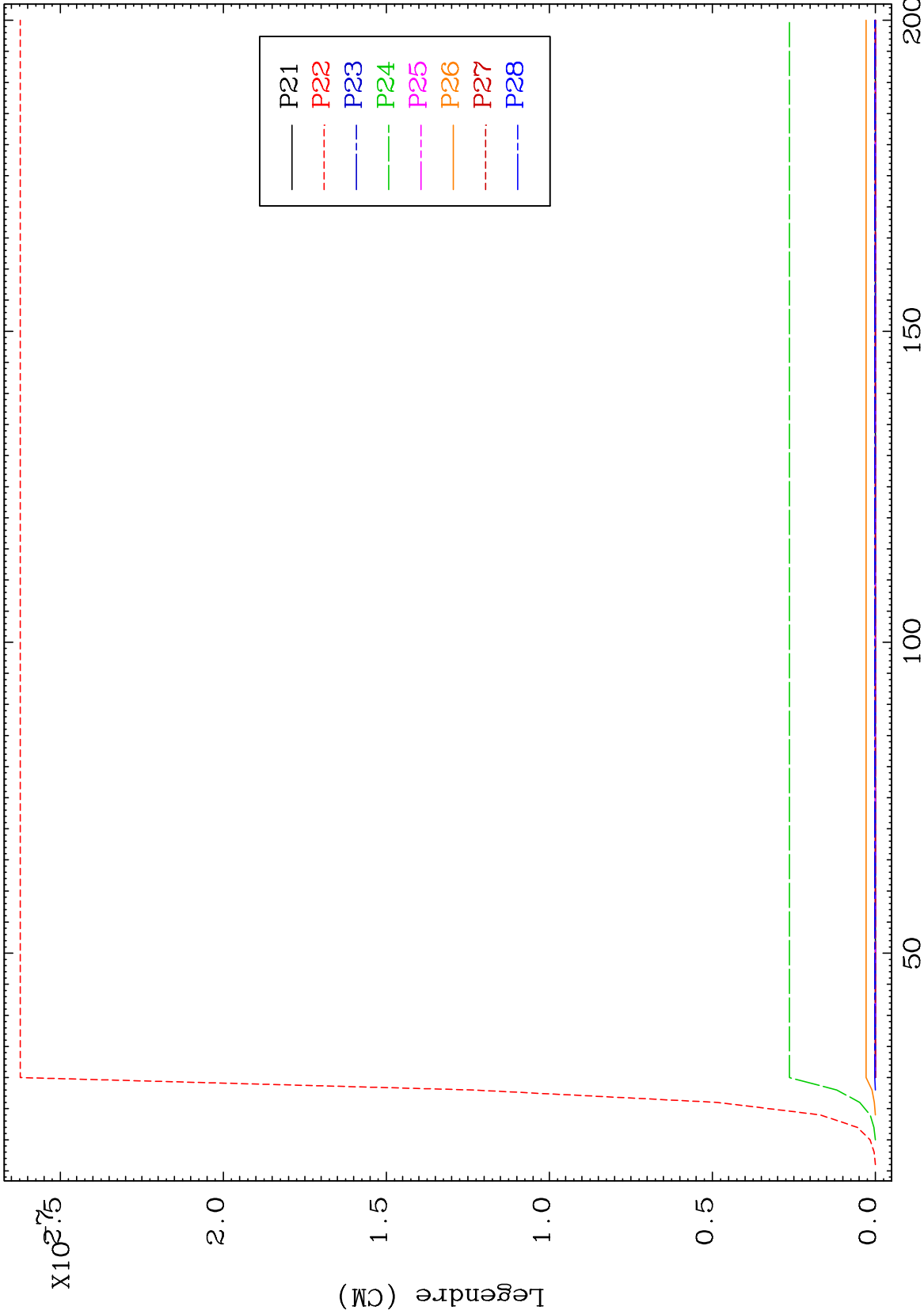
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167

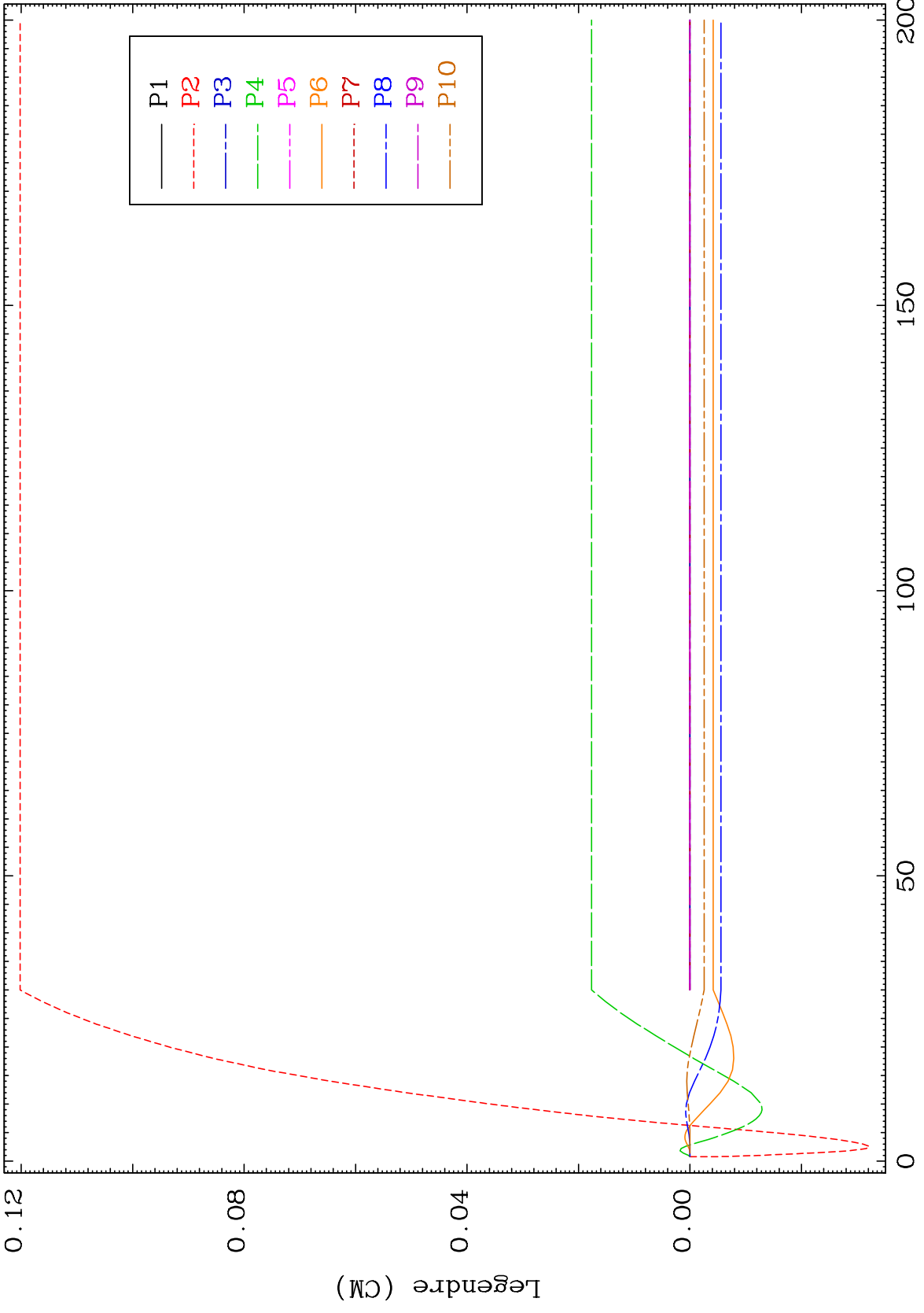


113

Incident Energy (MeV)

68-Er-167

MAT 6840 MT= 78 (n,n') Level Legendre Coefficients 68-Er-167

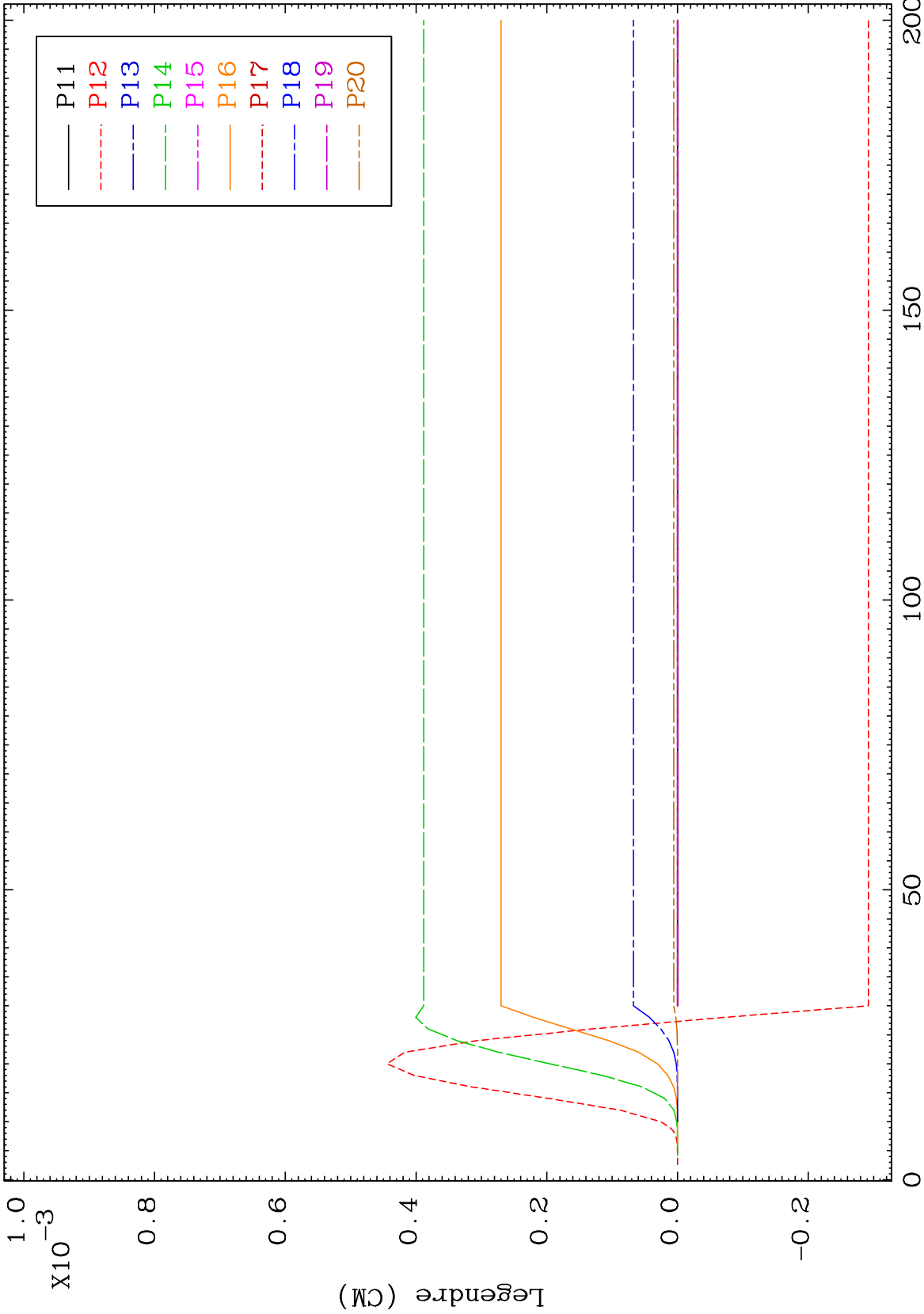


114 68-Er-167

MAT 6840

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

68-Er-167



115

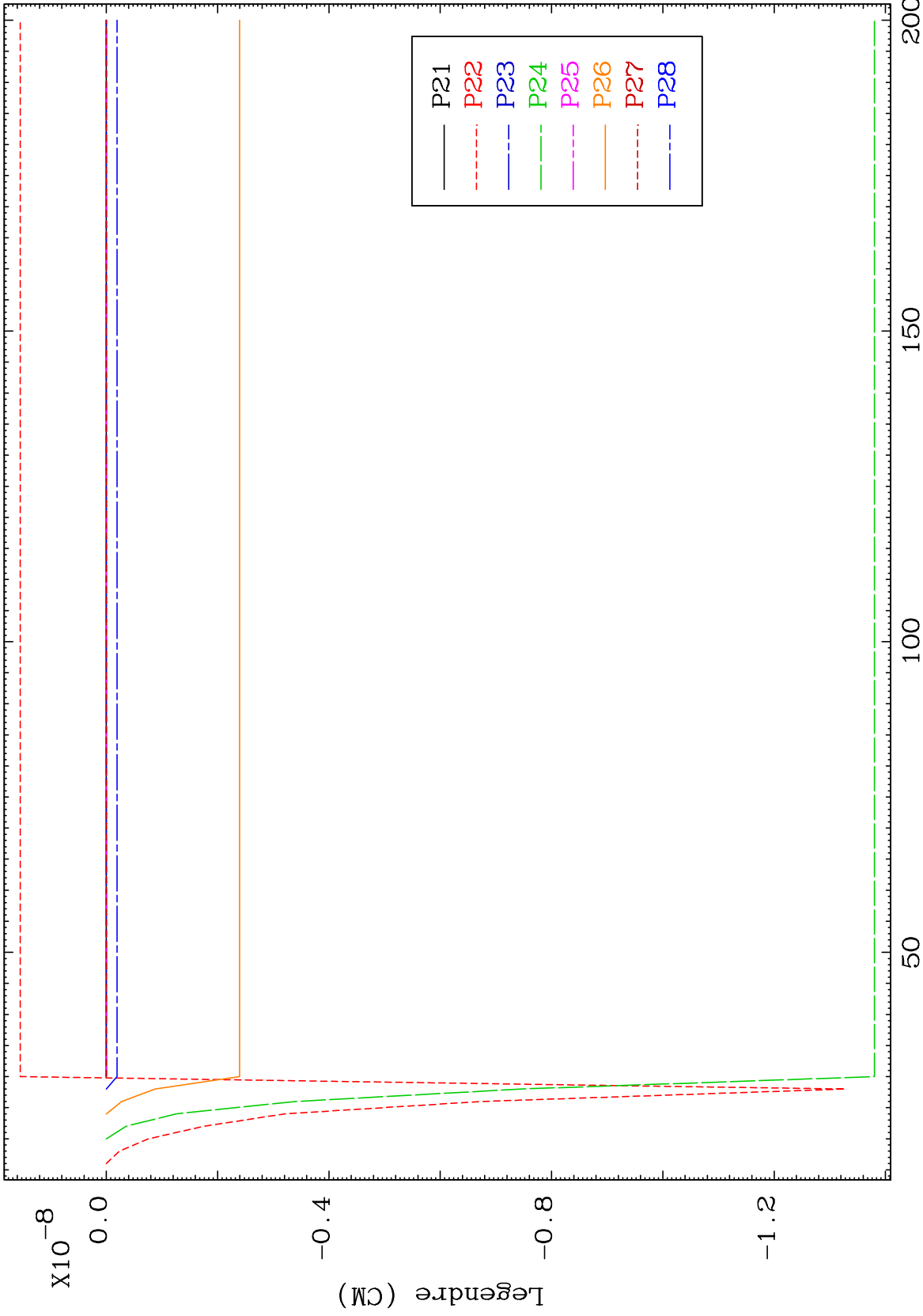
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



116

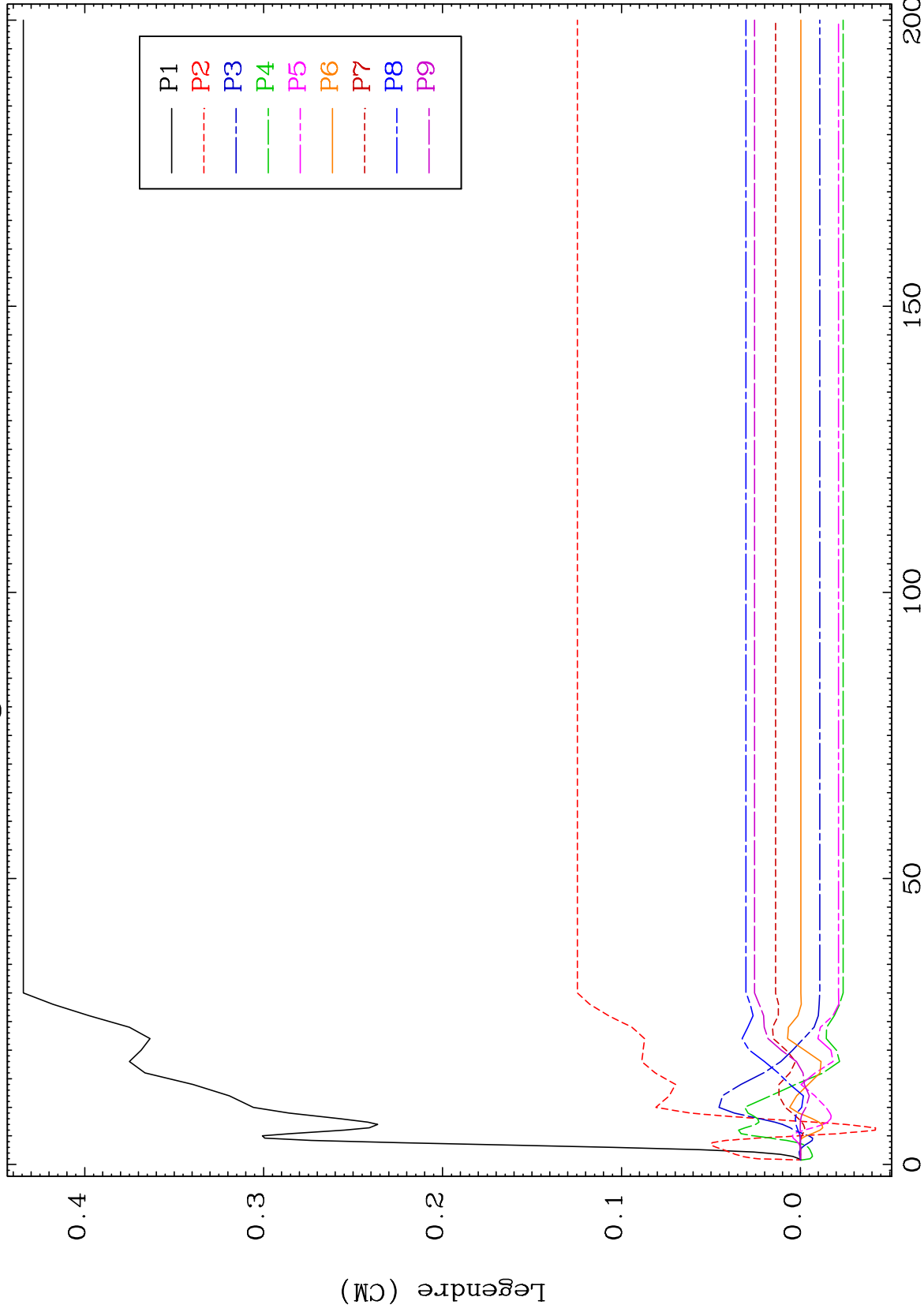
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



117

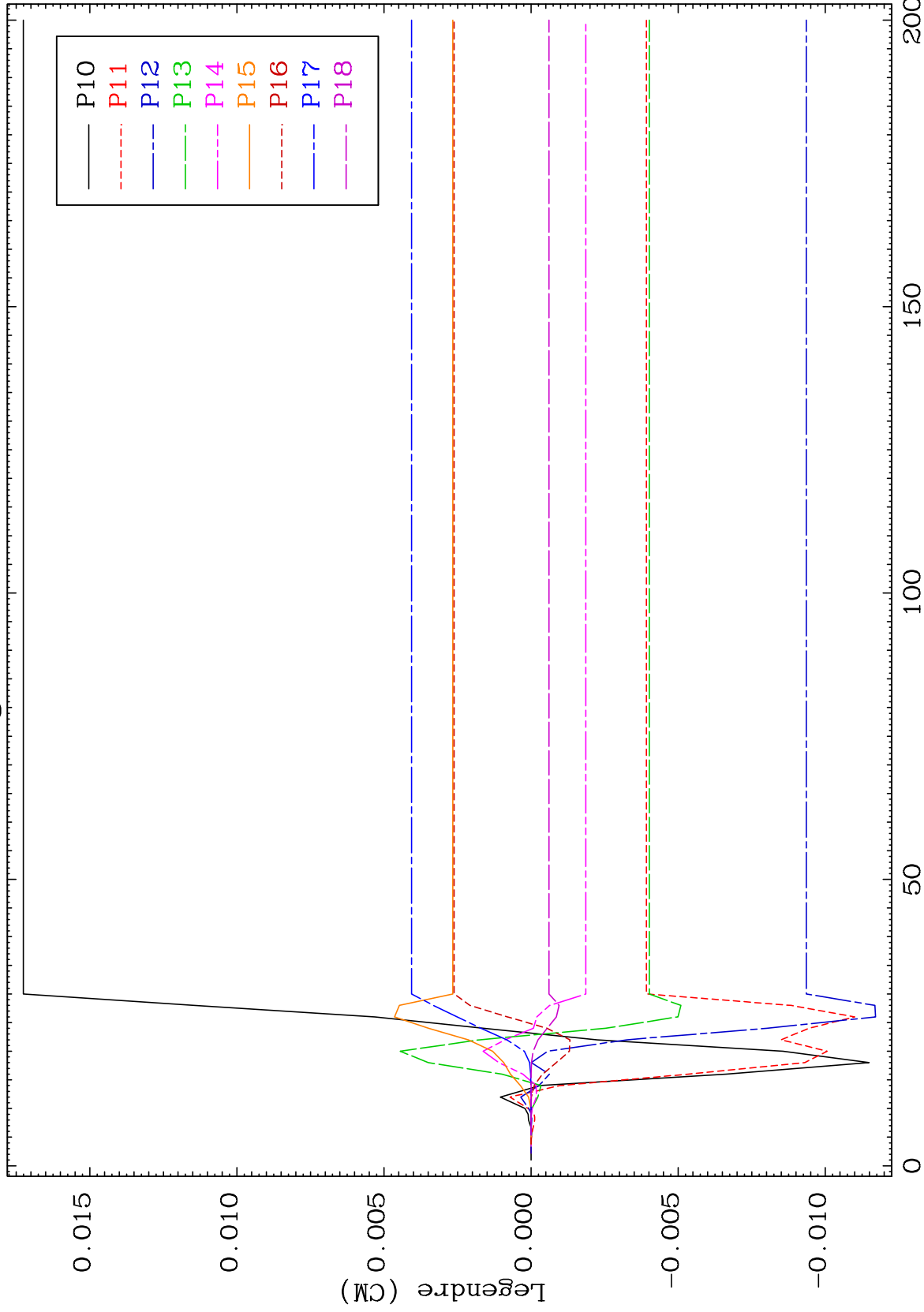
Incident Energy (MeV)

68-Er-167

MAT 6840

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

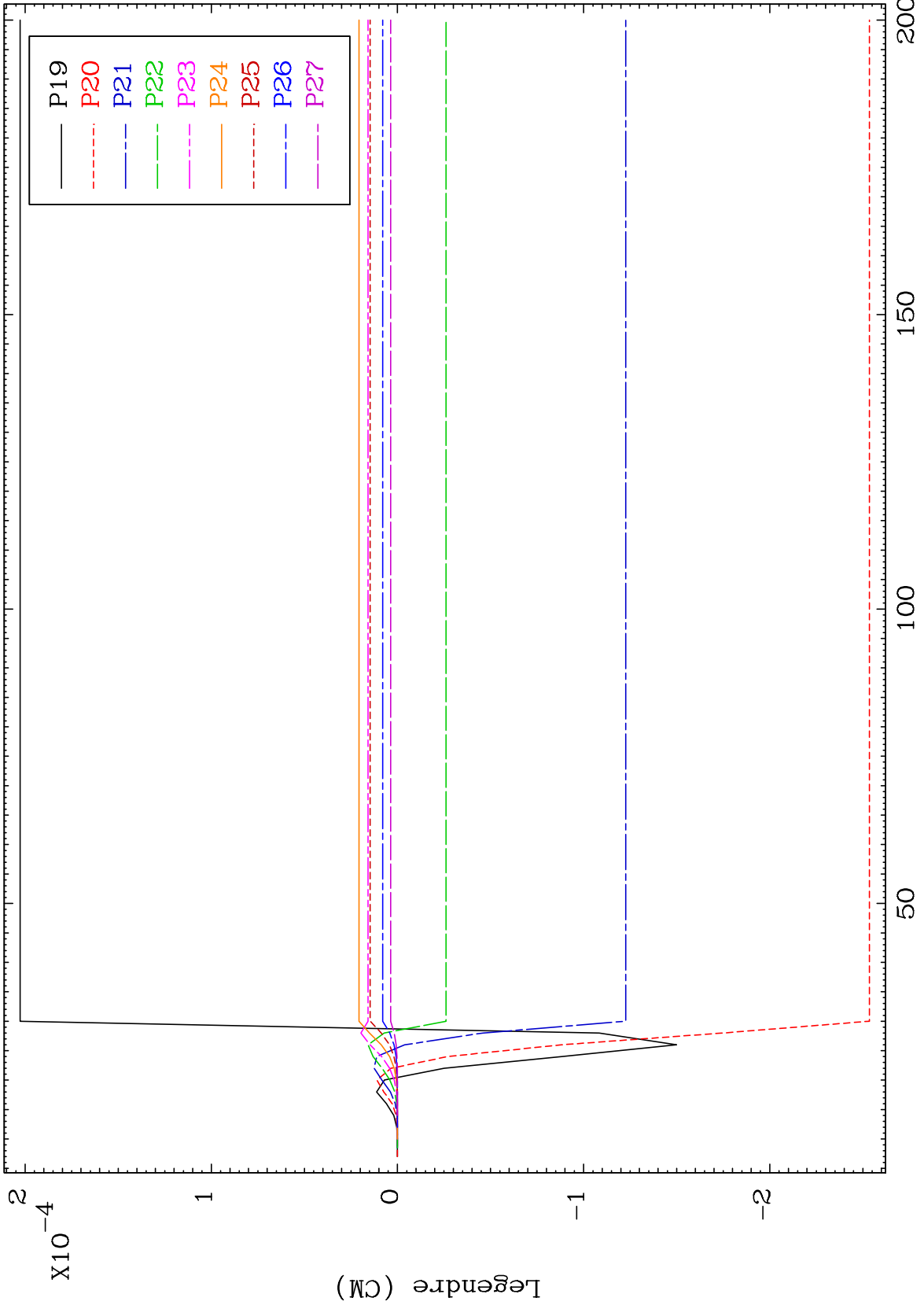
68-Er-167



118

Incident Energy (MeV)

68-Er-167

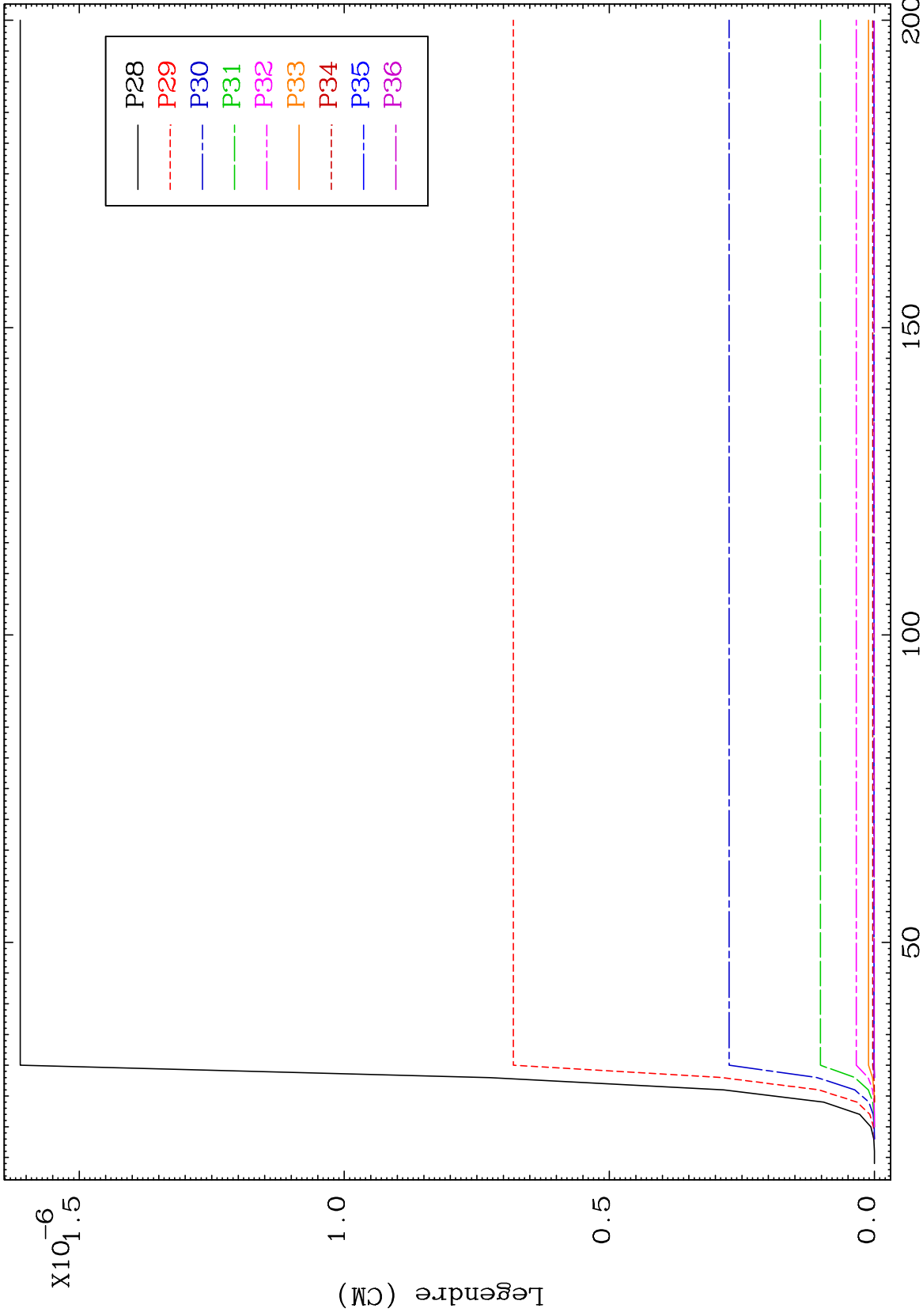




MAT 6840

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

68-Er-167



120

50

100

150

200

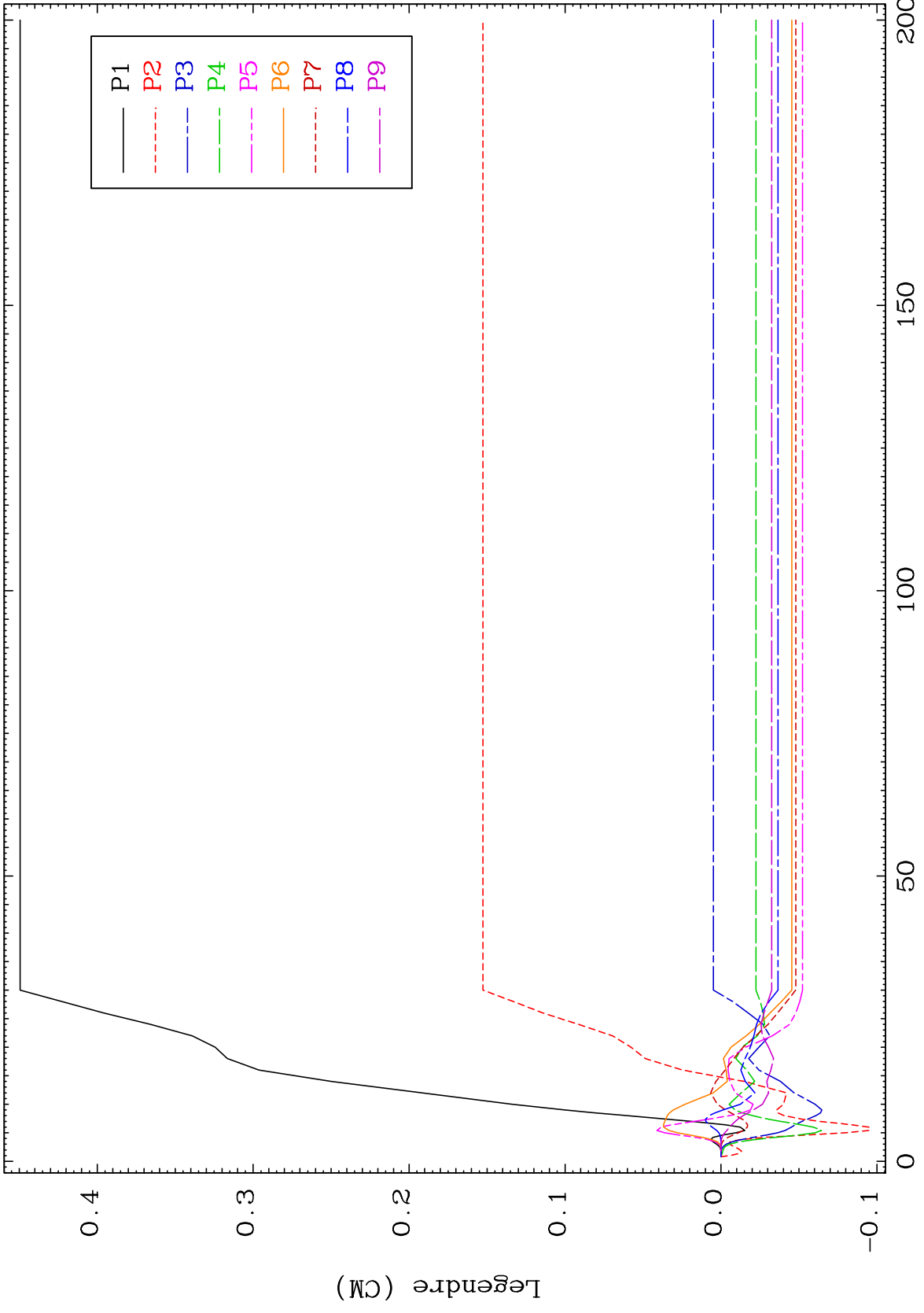
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



121

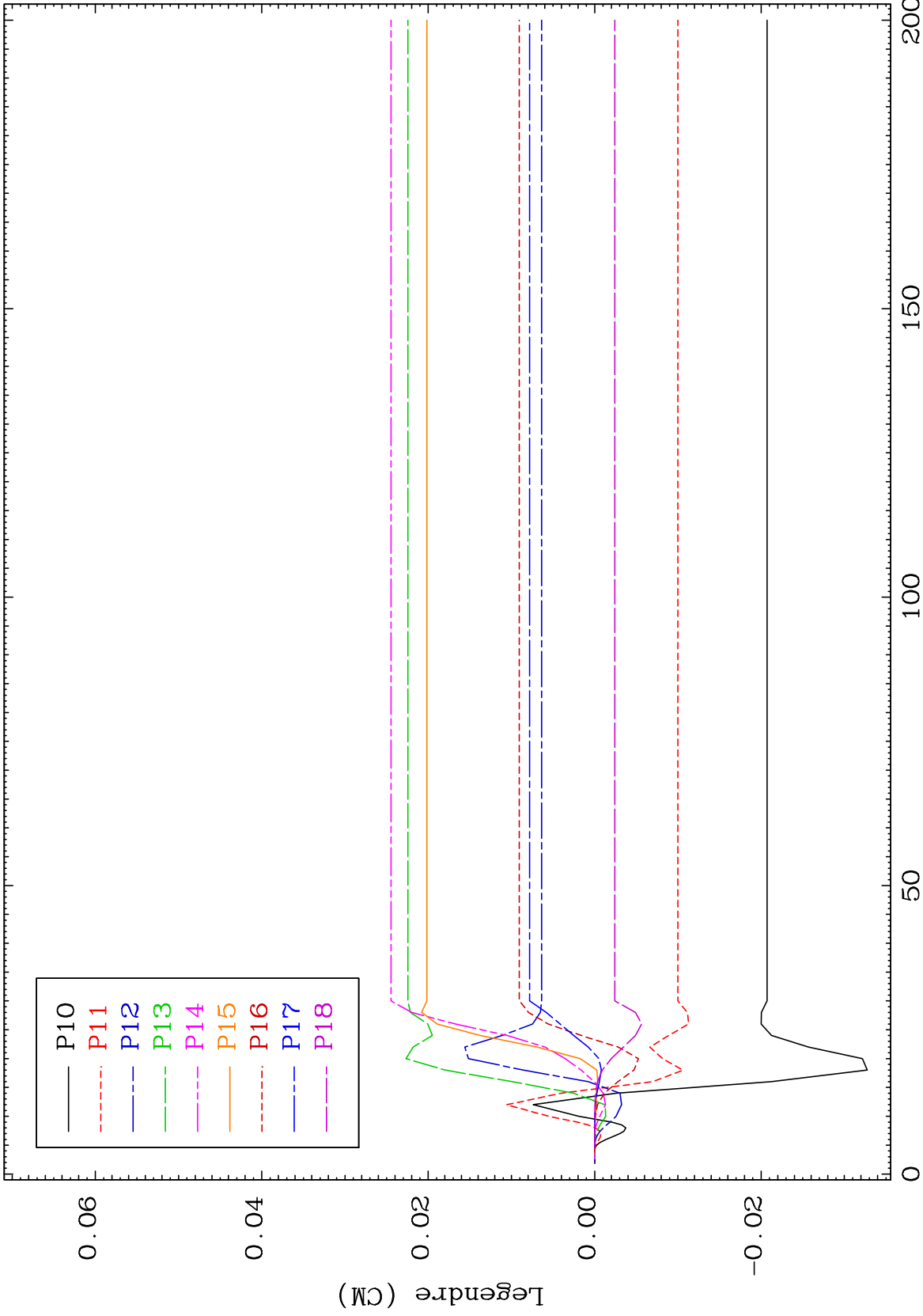
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



122

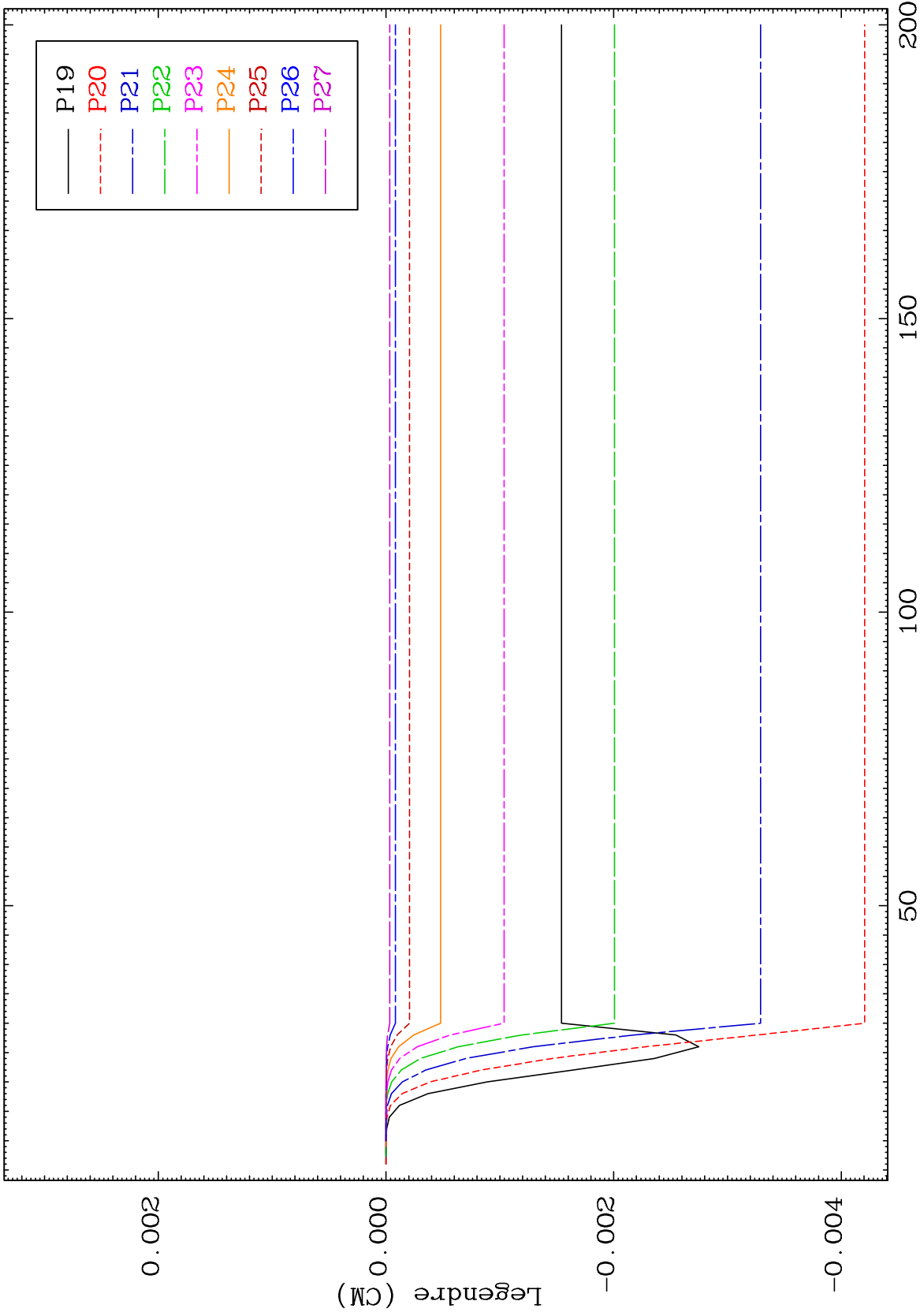
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167

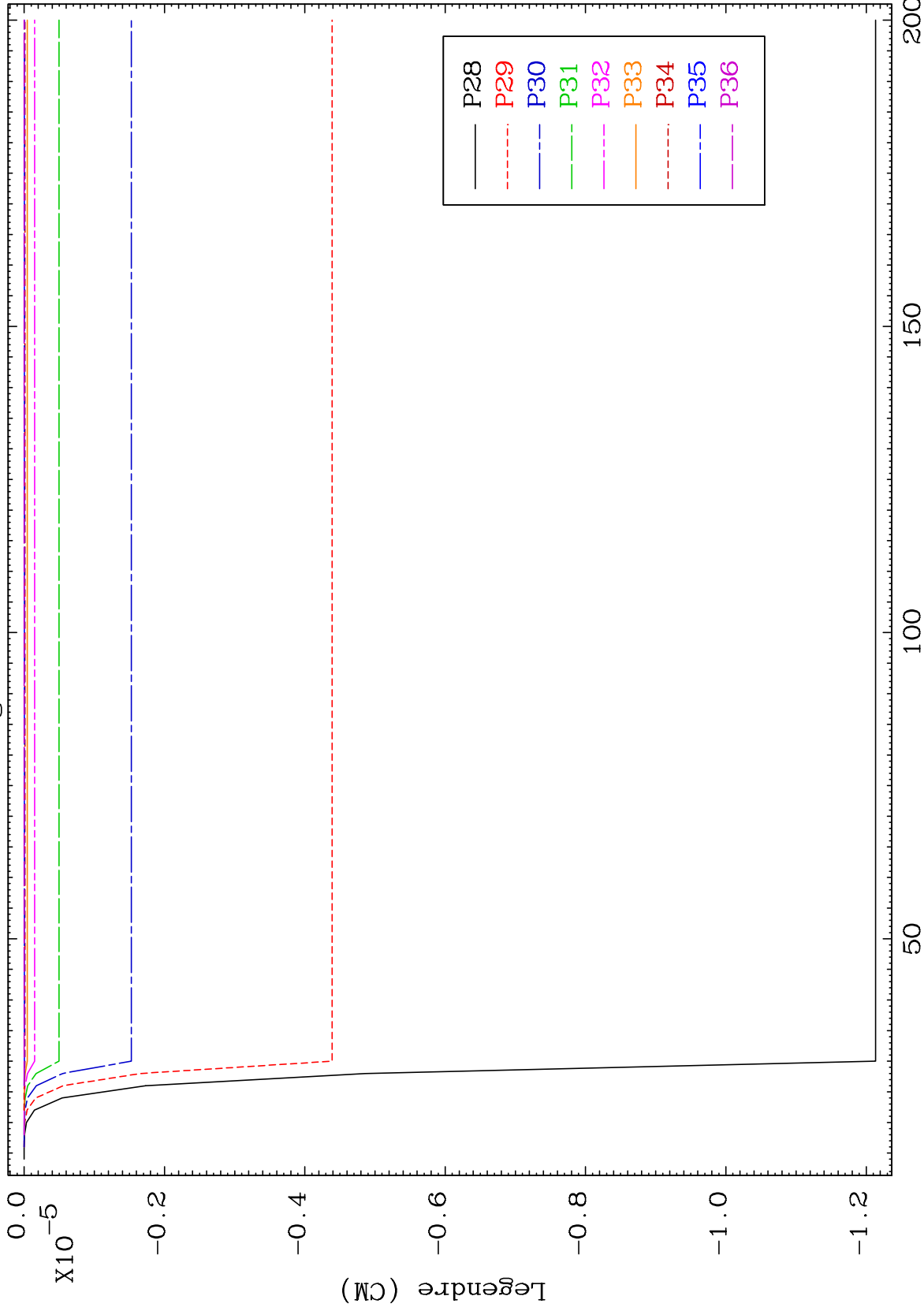


123

Incident Energy (MeV)

68-Er-167

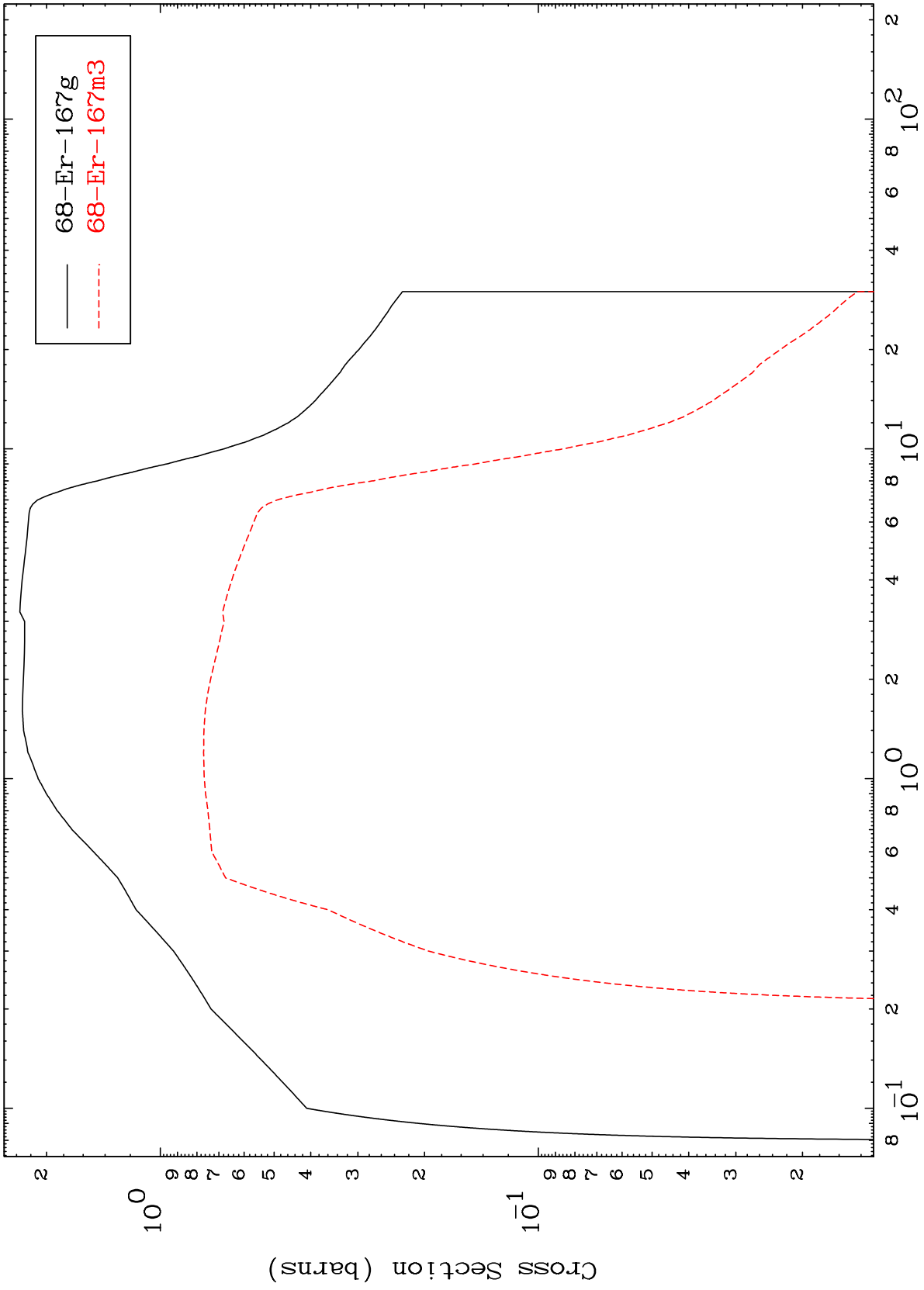
MAT 6840 MT= 80 (n,n') Level Legendre Coefficients



MAT 6840

68-Er-167

### Inelastic Radionuclide Production Cross Section



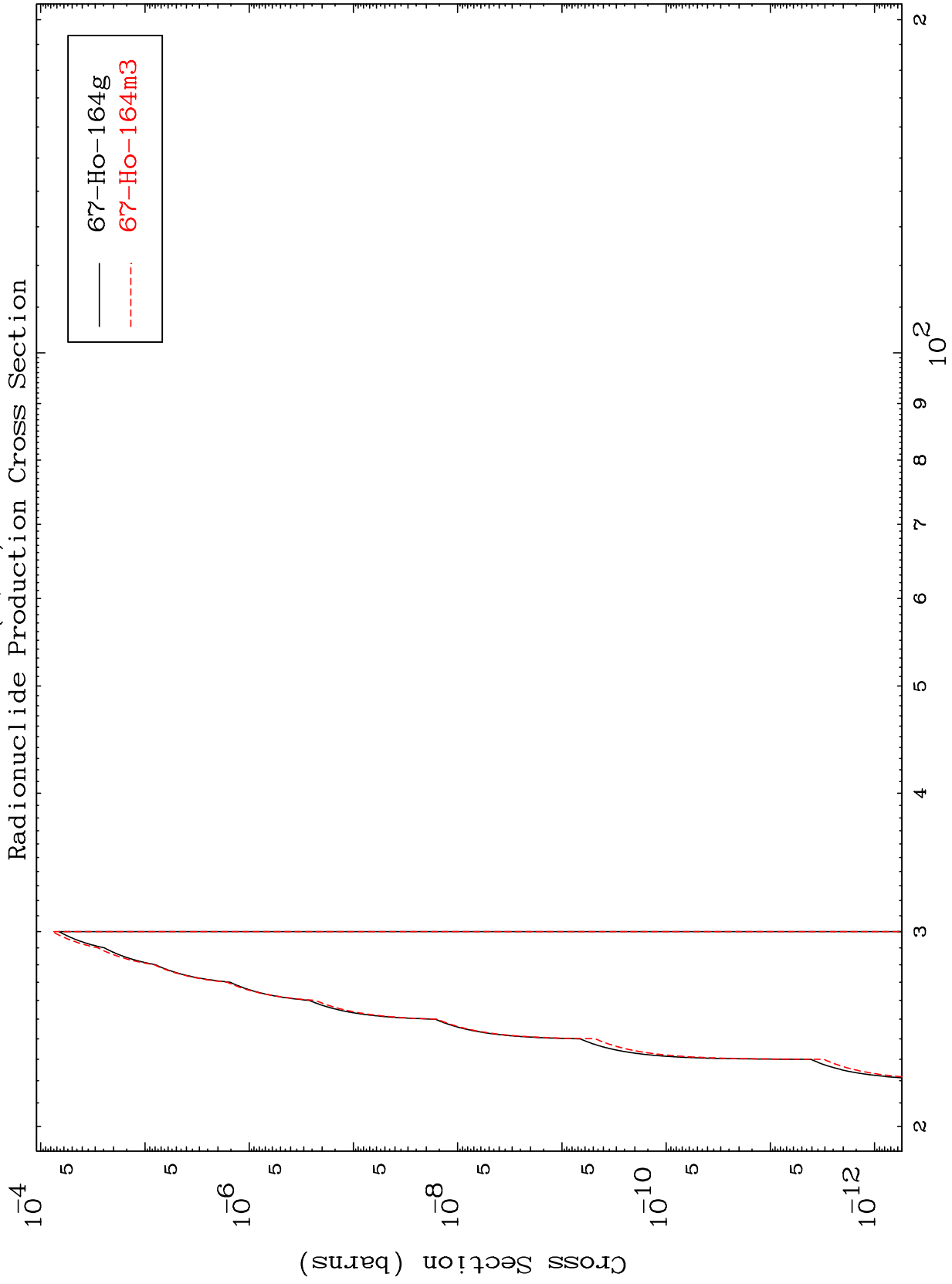
125

68-Er-167

MAT 6840

(n,2n) d

68-Er-167



126

Incident Energy (MeV)

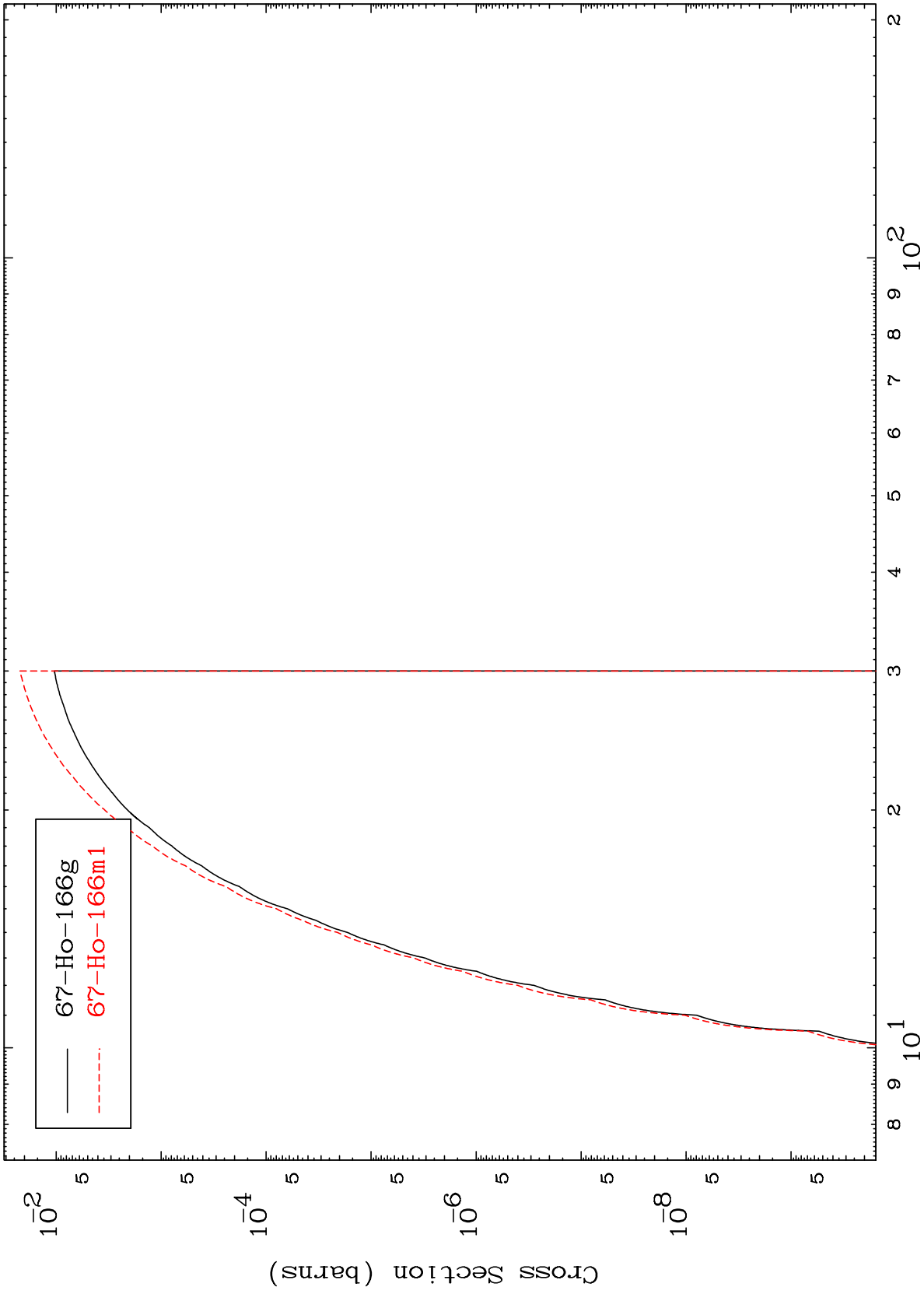
68-Er-167

MAT 6840

(n,n') p

68-Er-167

Radionuclide Production Cross Section



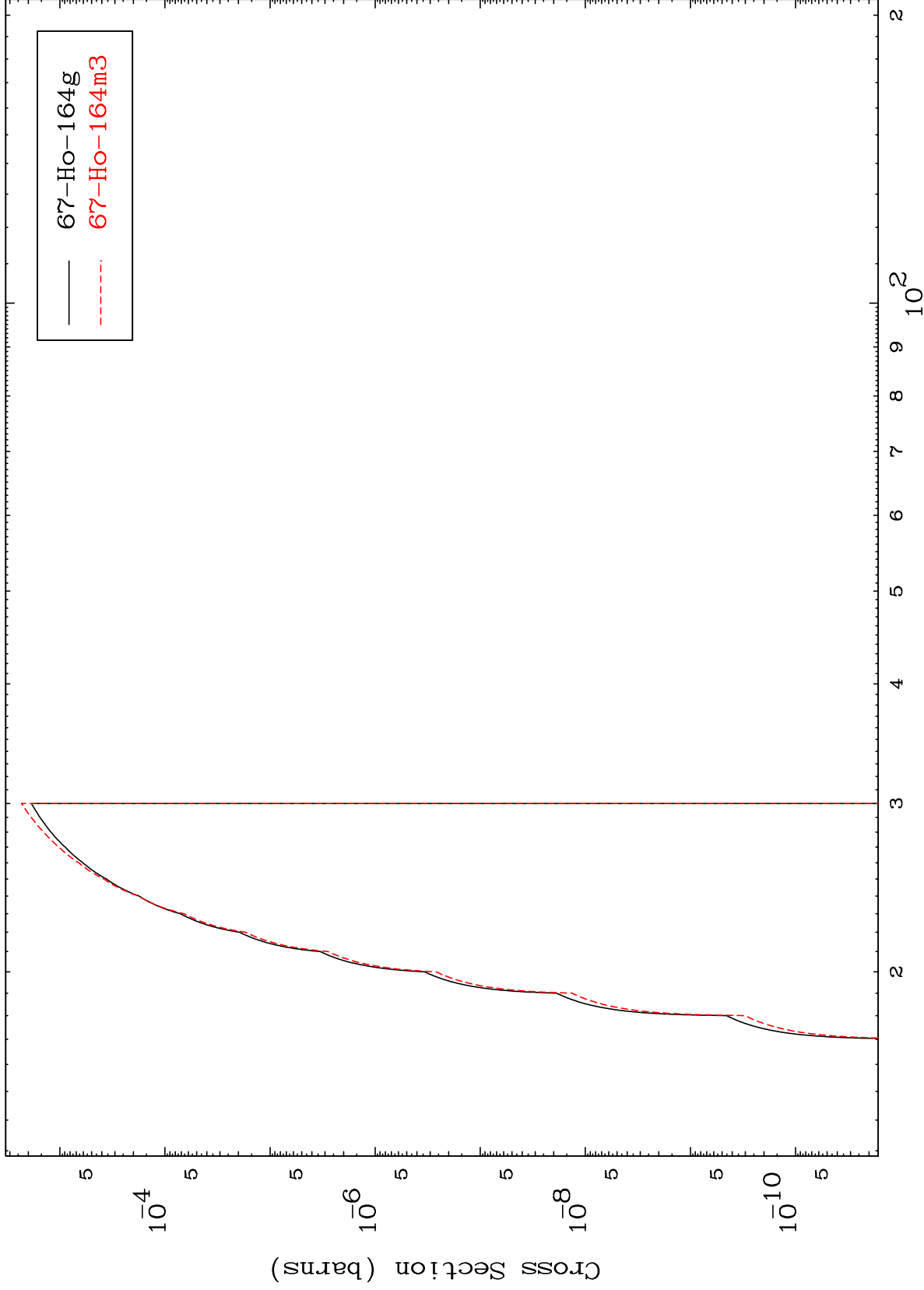
127

Incident Energy (MeV)

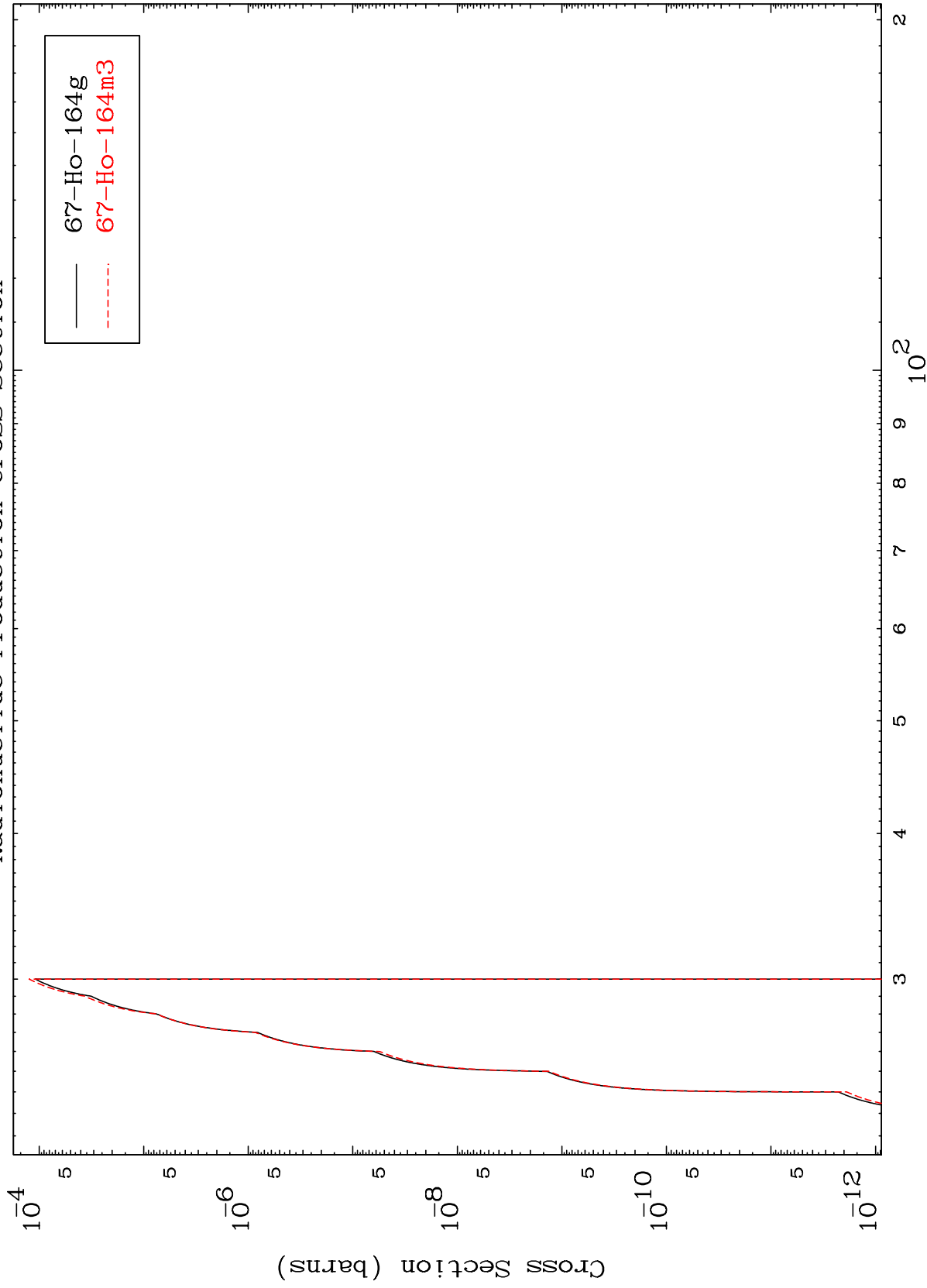
68-Er-167



Radionuclide Production Cross Section



Radionuclide Production Cross Section

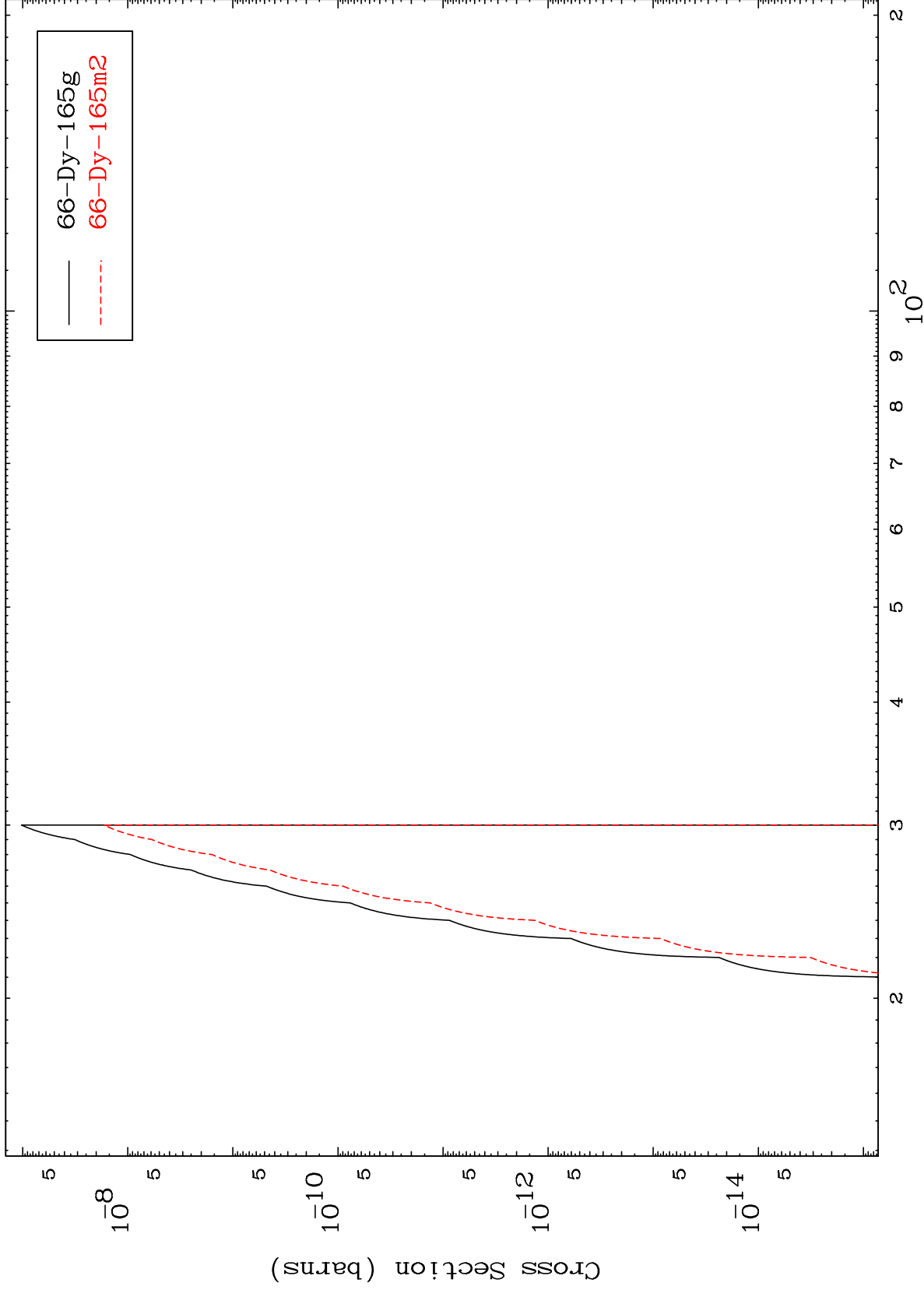


MAT 6840

(n,2n) p

68-Er-167

Radionuclide Production Cross Section



130

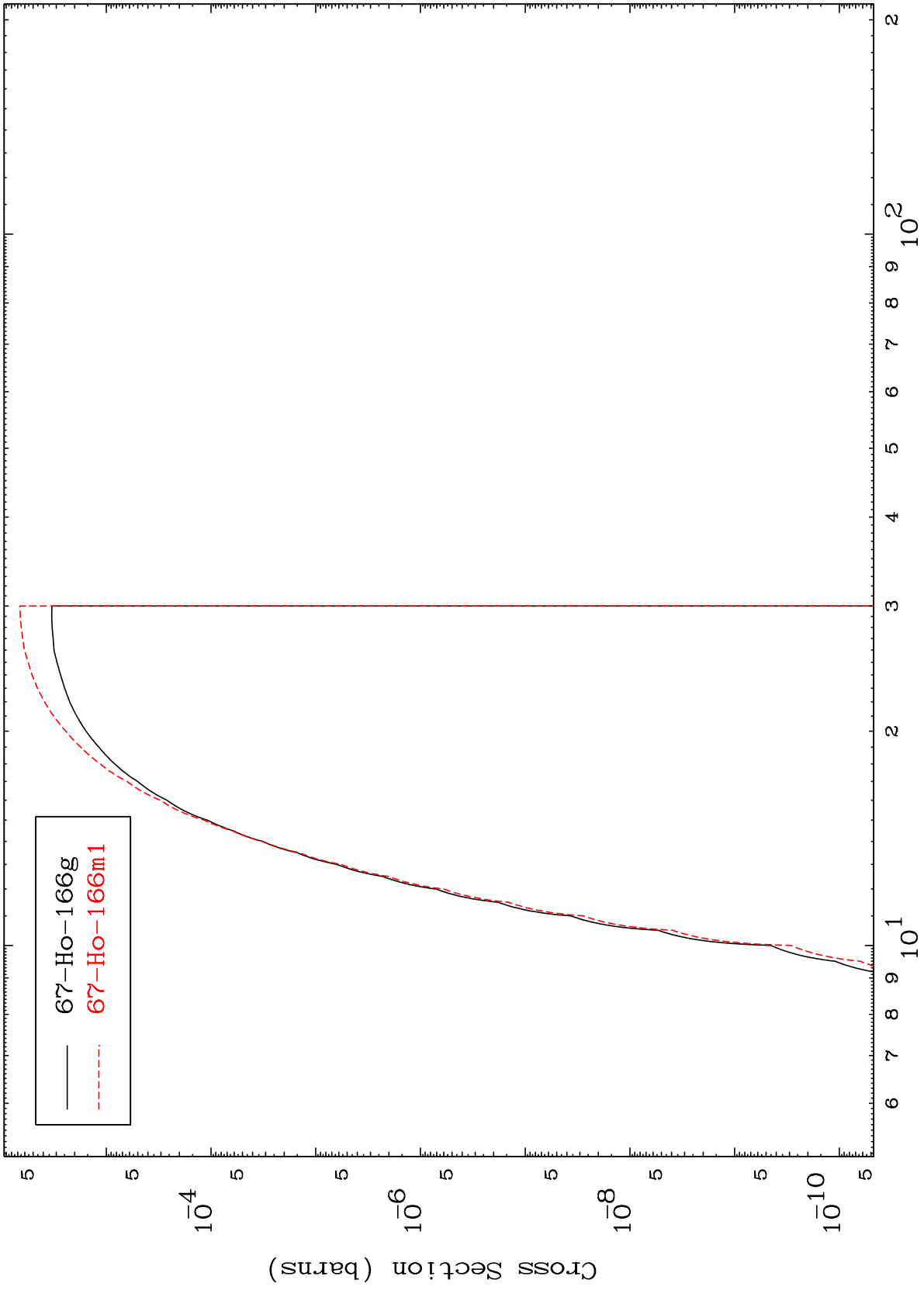
Incident Energy (MeV)

68-Er-167

MAT 6840

68-Er-167

(n,d)  
Radionuclide Production Cross Section



131

Incident Energy (MeV)

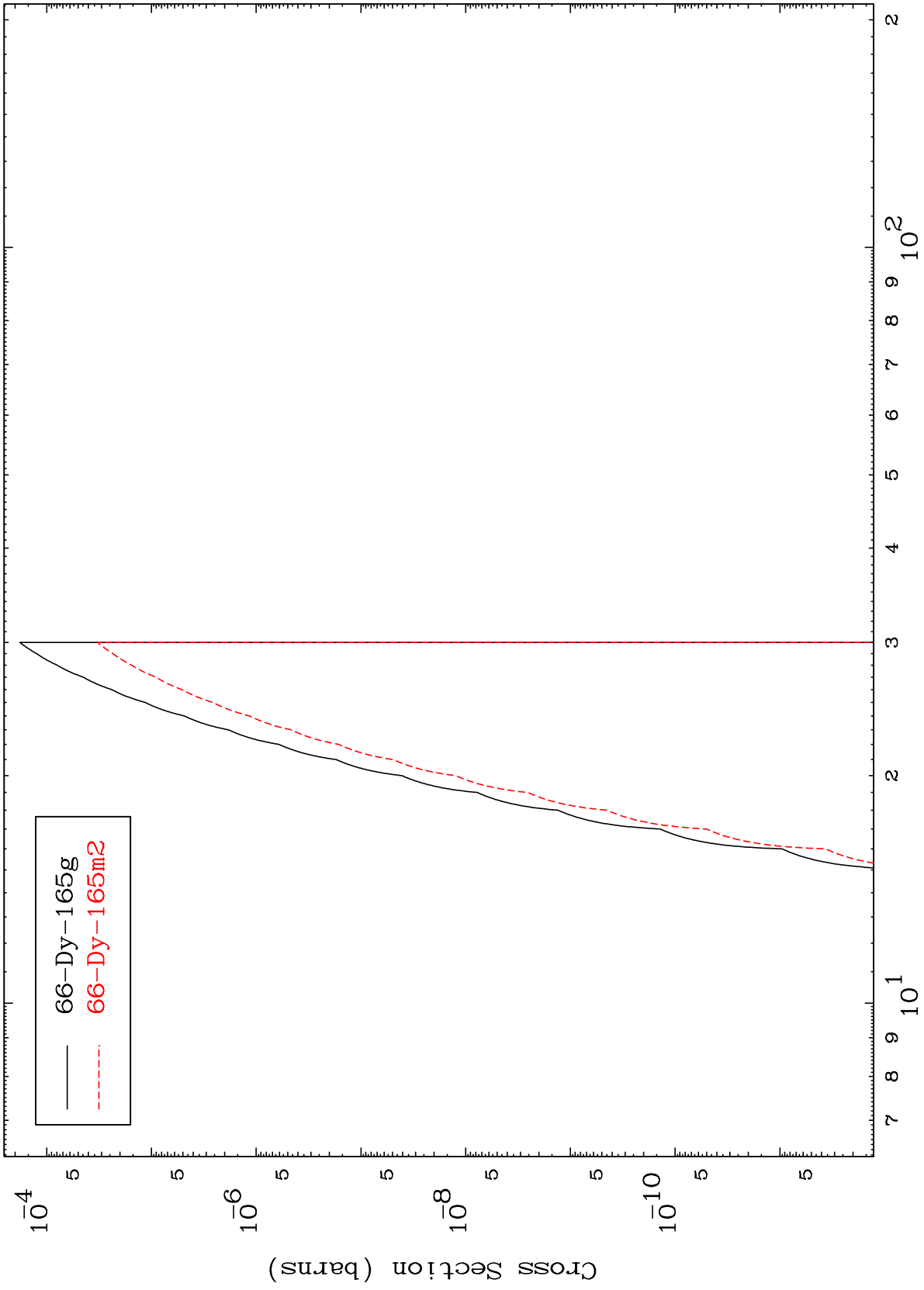
68-Er-167

MAT 6840

(n,He-3)

68-Er-167

Radionuclide Production Cross Section



66-Dy-165g  
66-Dy-165m2

132

Incident Energy (MeV)

68-Er-167