

Program EVALPLOT
(Version 2021-1)

by

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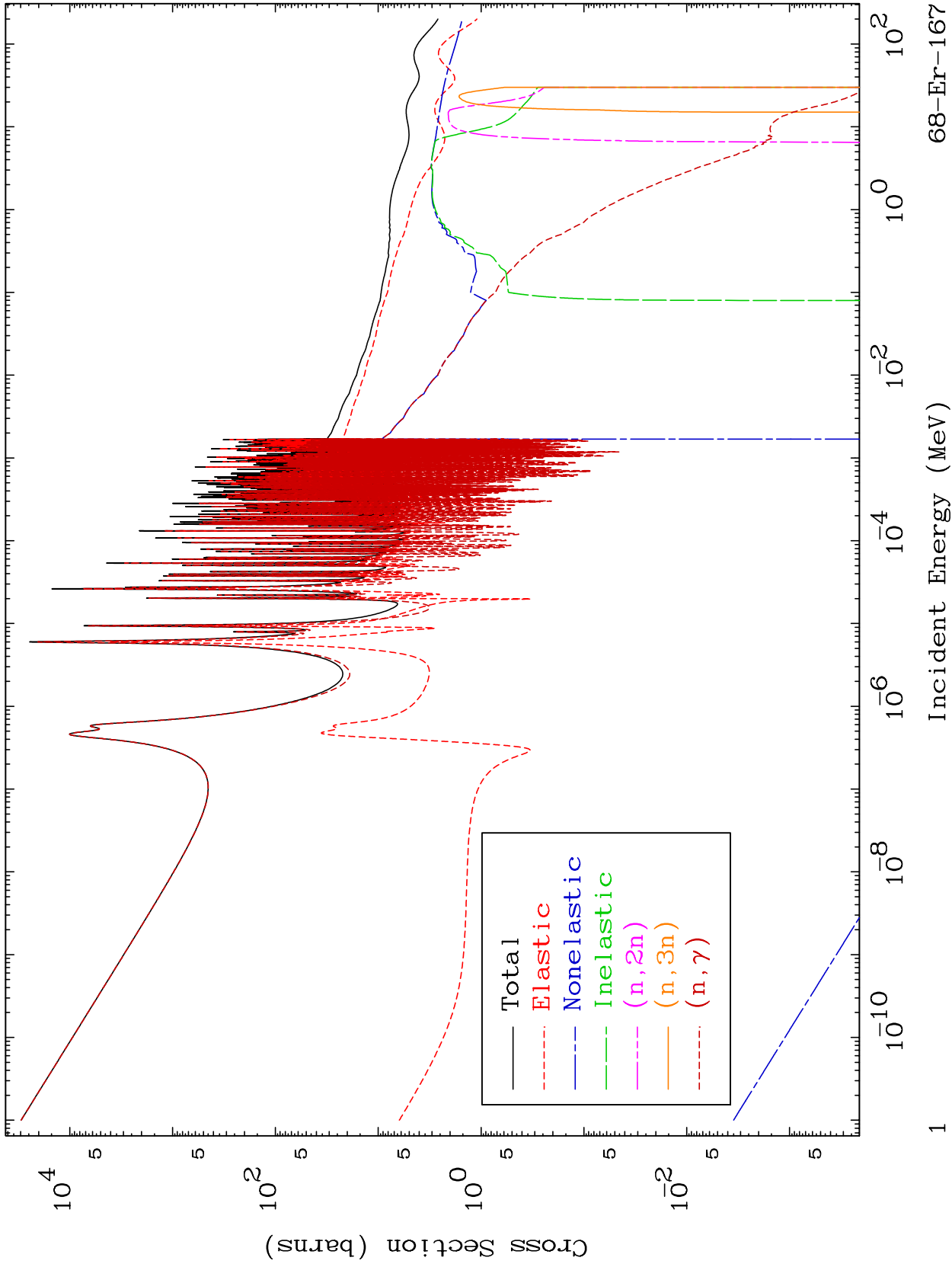
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6840

Neutron Major
293 Kelvin Cross Sections

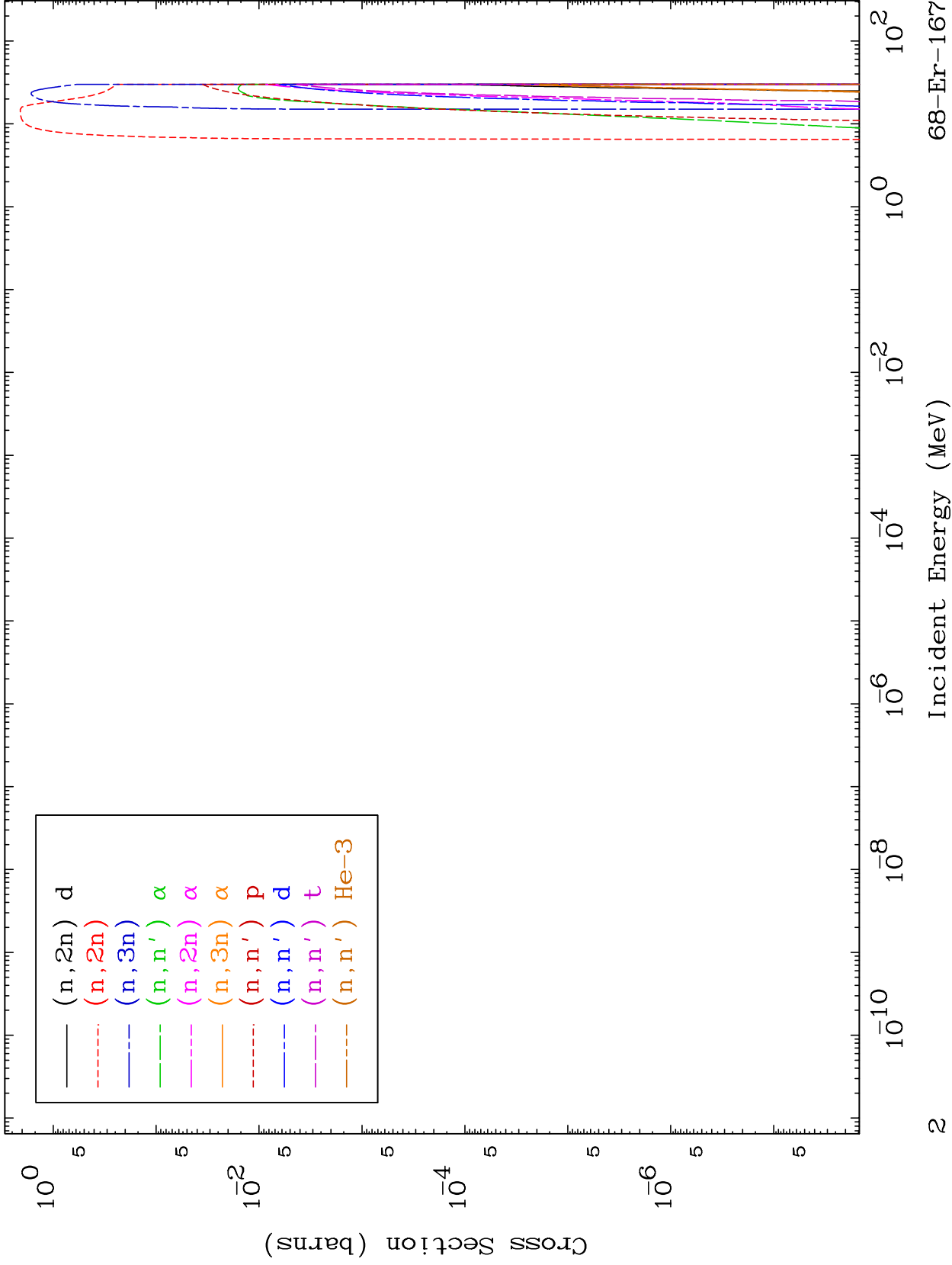
68-Er-167



MAT 6840

Neutron Absorption
293 Kelvin Cross Sections

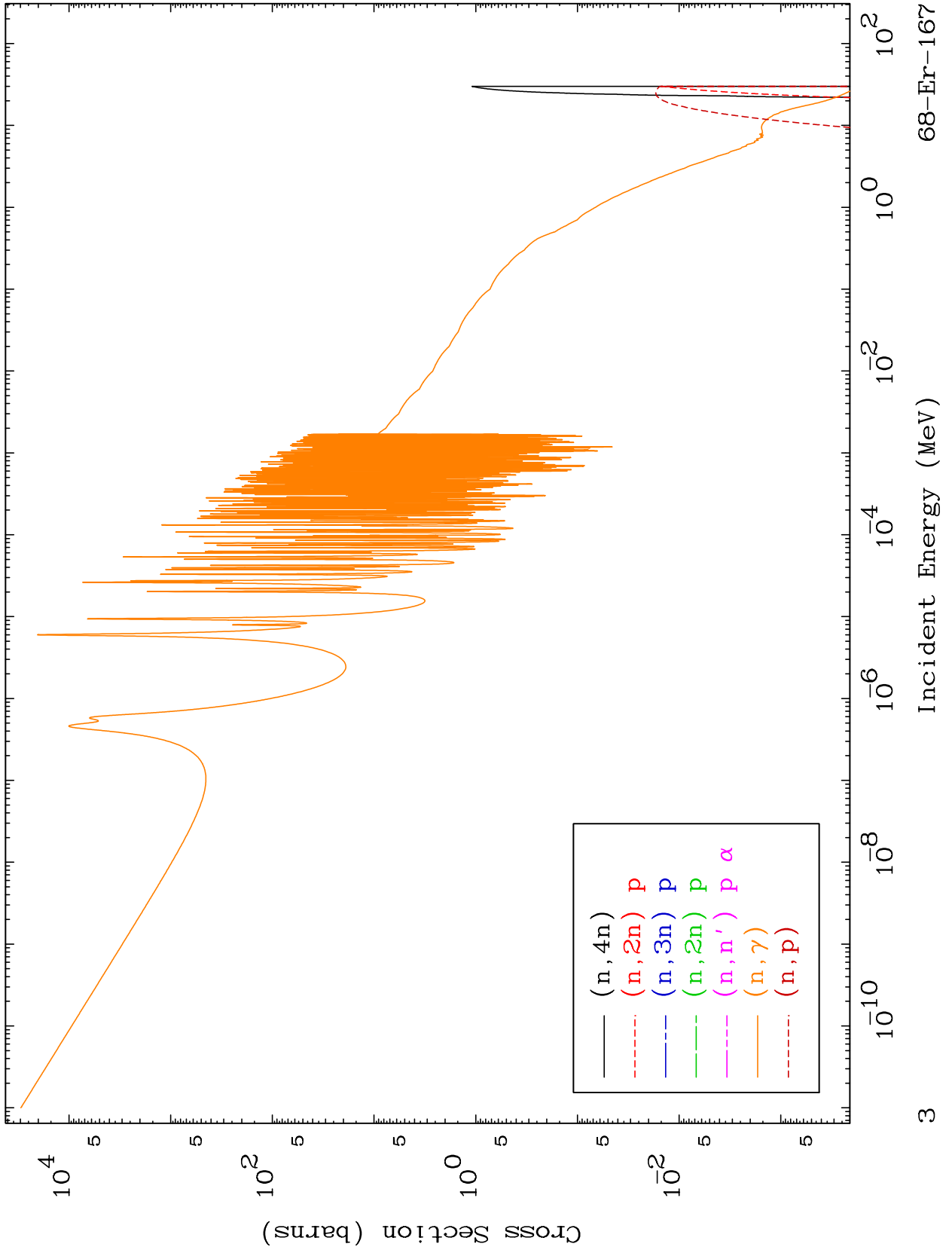
68-Er-167

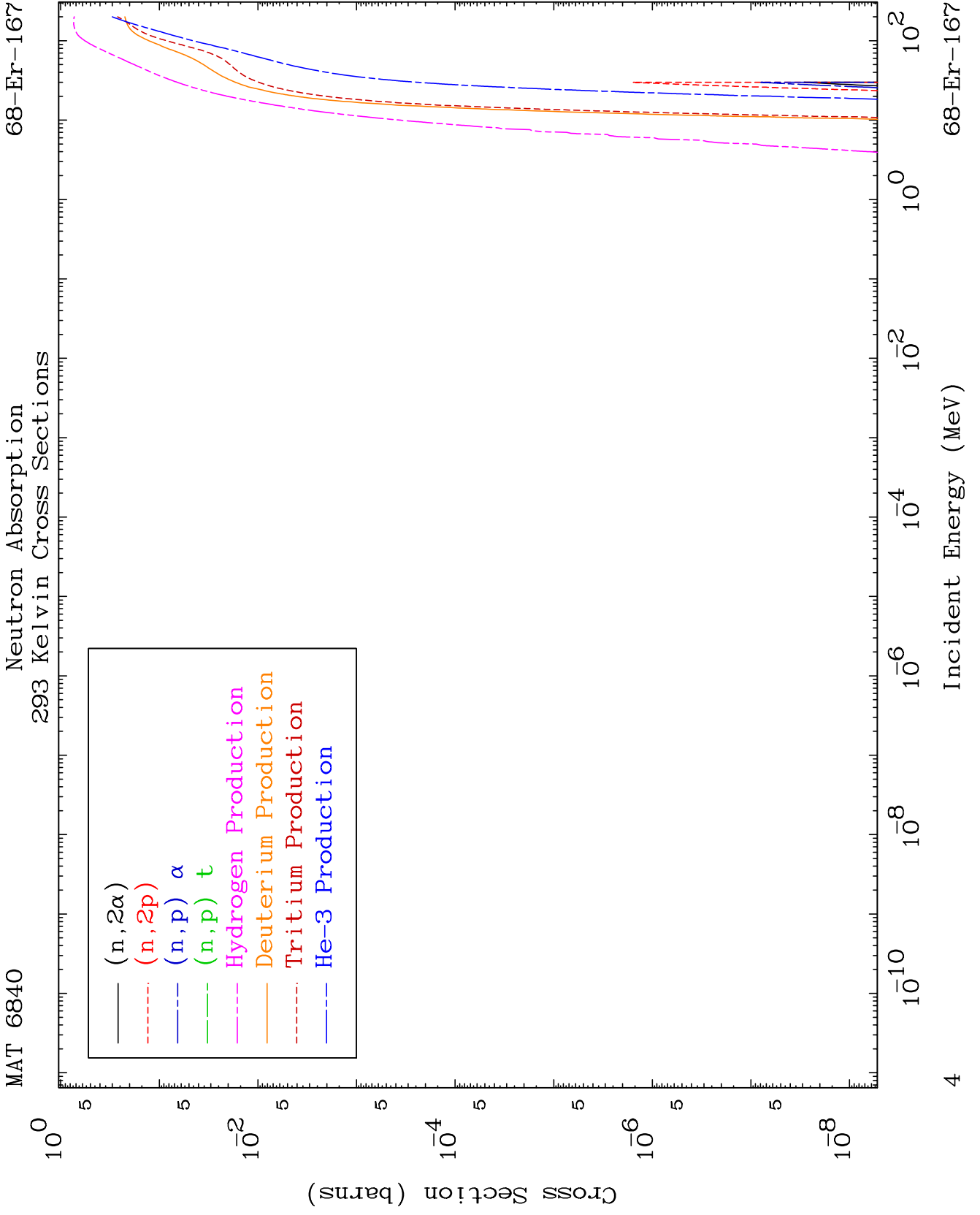


MAT 6840

Neutron Absorption
293 Kelvin Cross Sections

68-Er-167

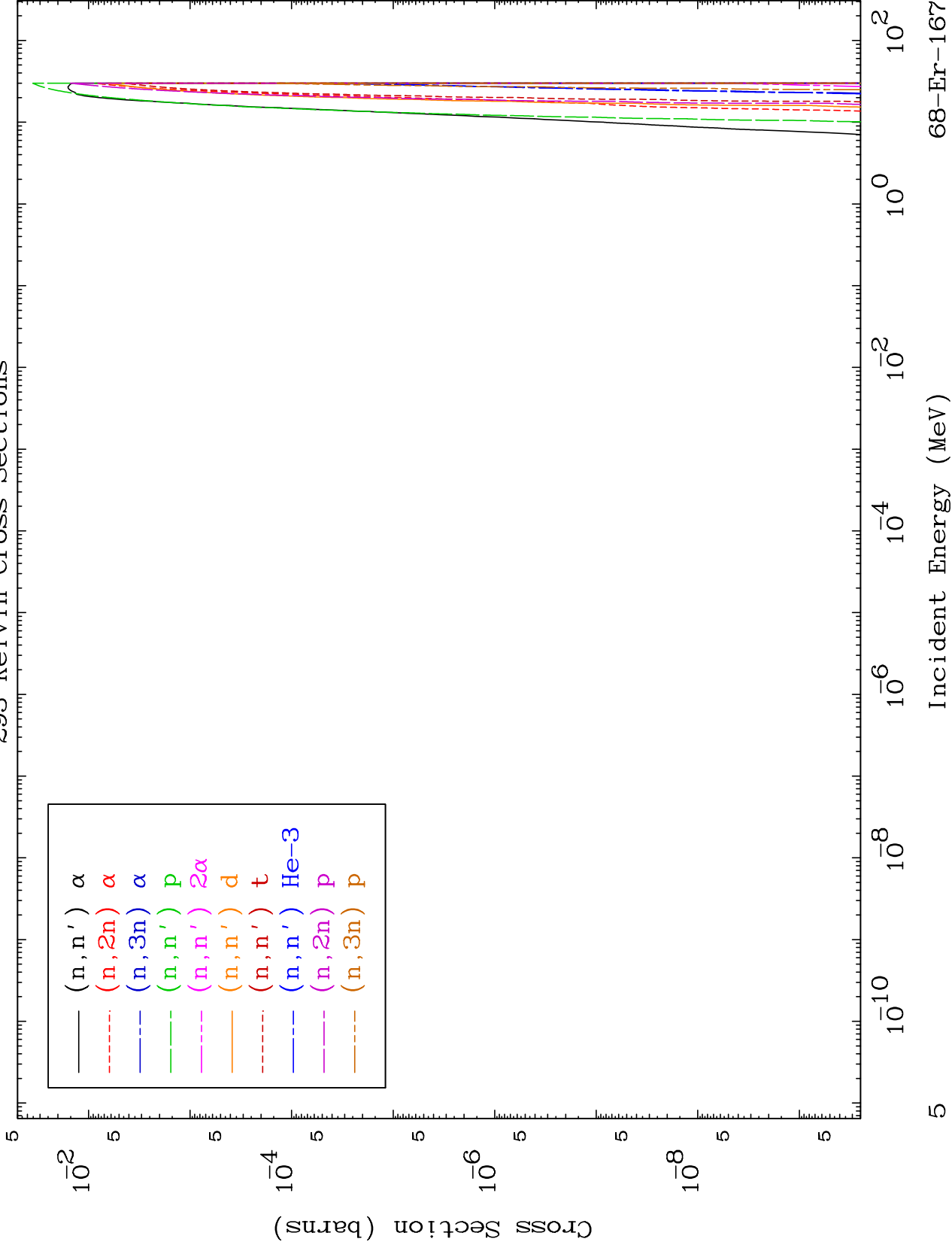




MAT 6840

Charged Particle
293 Kelvin Cross Sections

68-Er-167



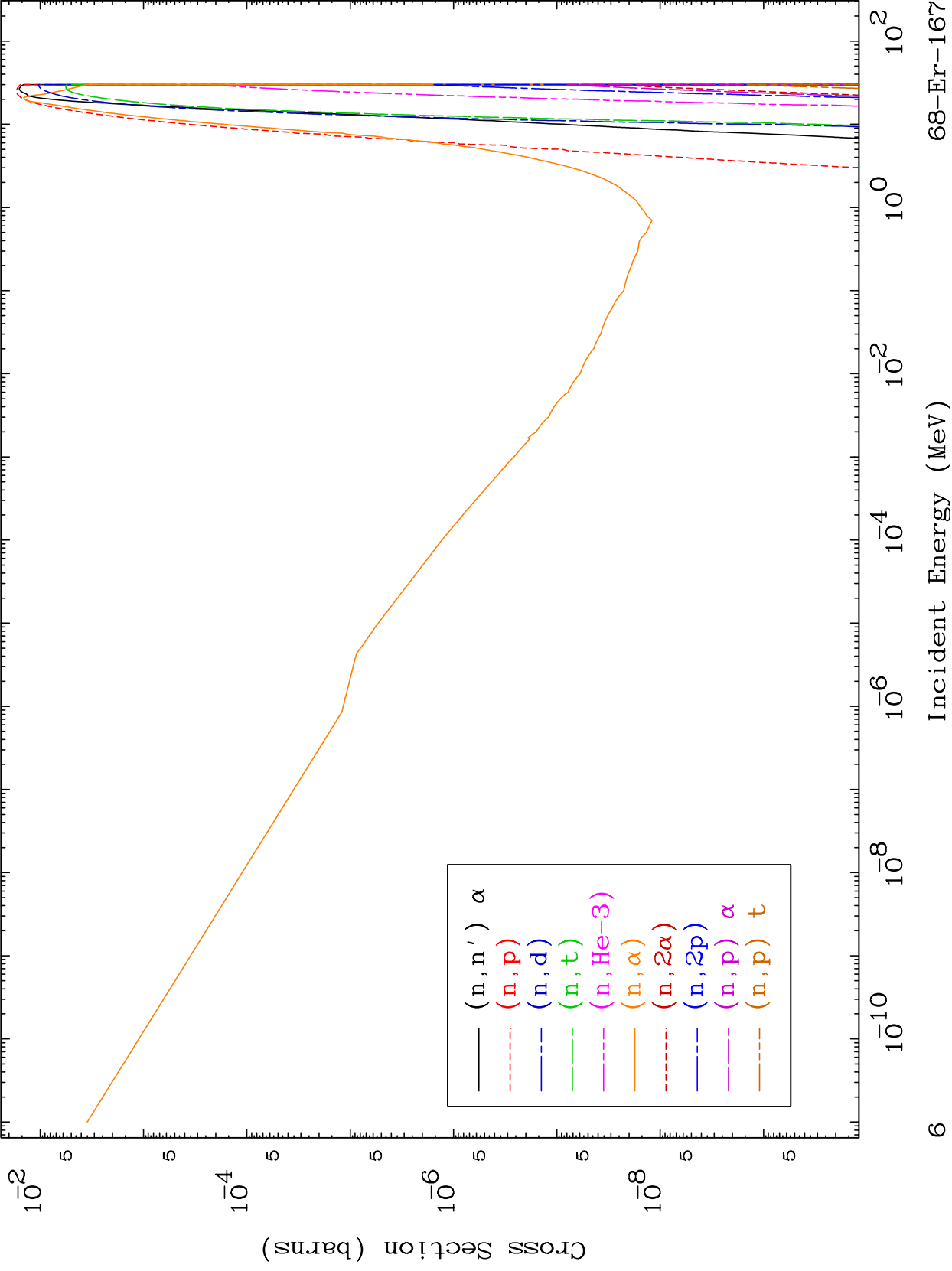
5

68-Er-167

MAT 6840

Charged Particle
293 Kelvin Cross Sections

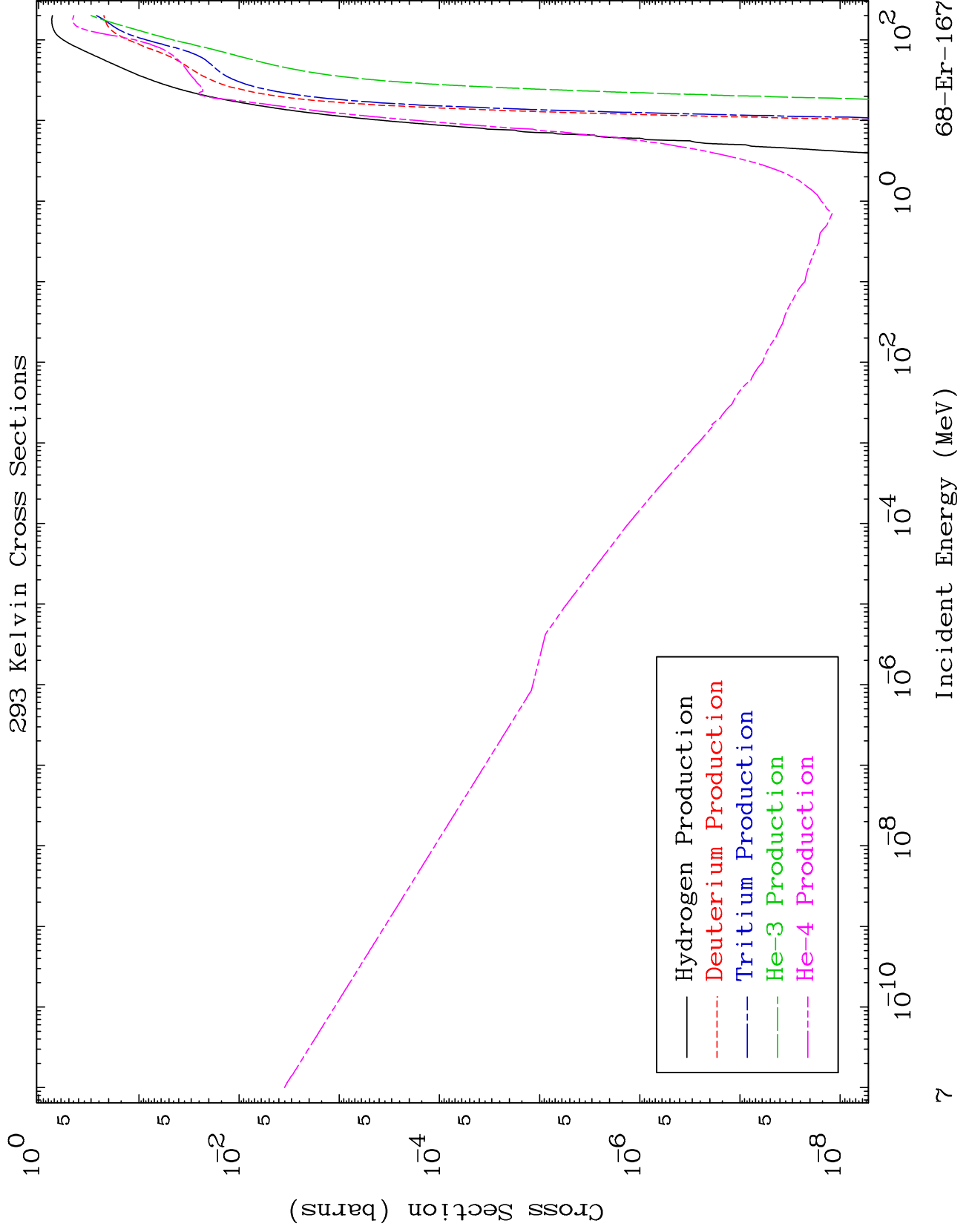
68-Er-167



MAT 6840

Particle Production
293 Kelvin Cross Sections

68-Er-167



MAT 6840

(n,n') Levels

68-Er-167

293 Kelvin Cross Sections

10^6

10^4

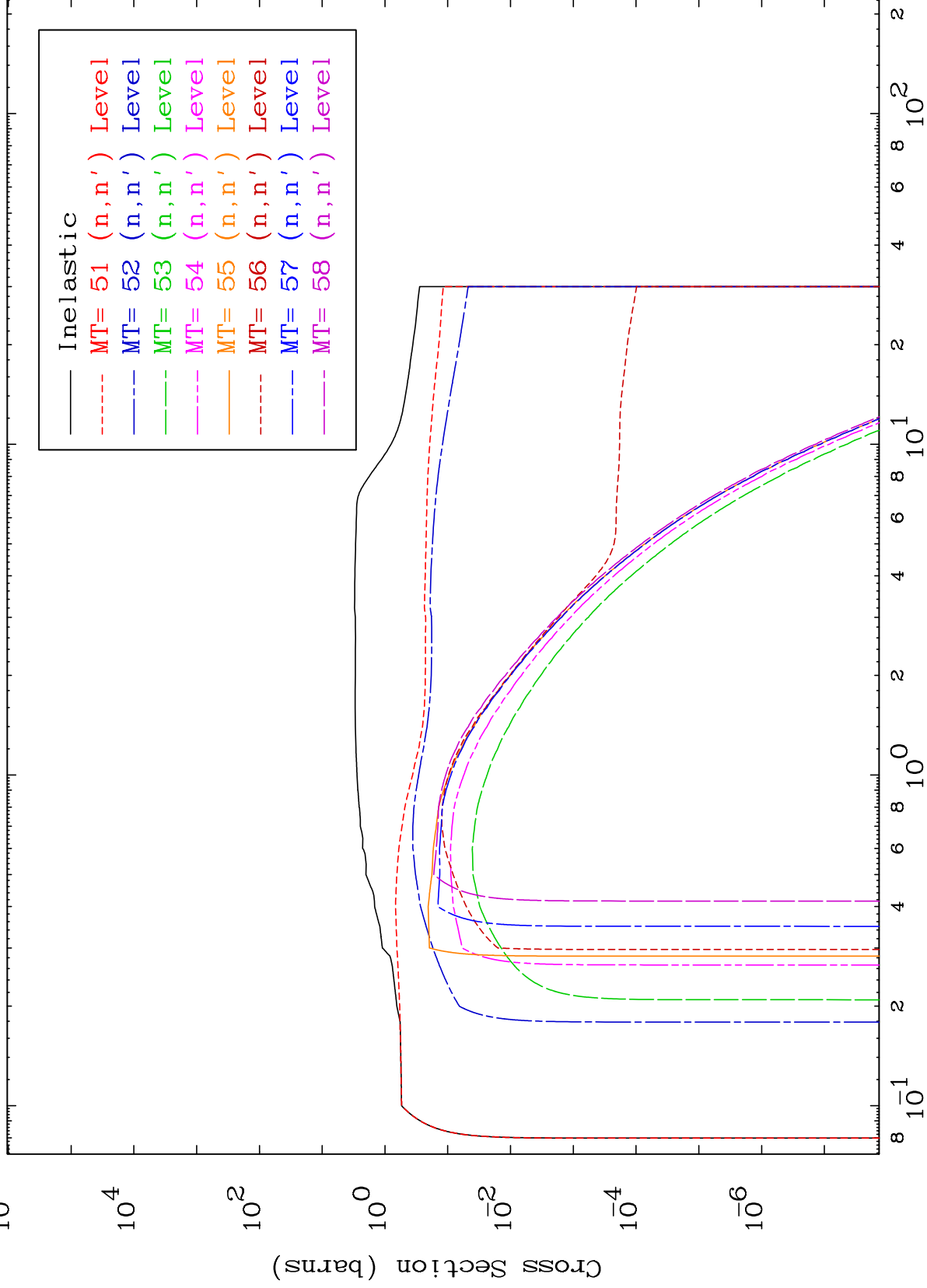
10^2

10^0

10^{-2}

10^{-4}

10^{-6}



8

Incident Energy (MeV)

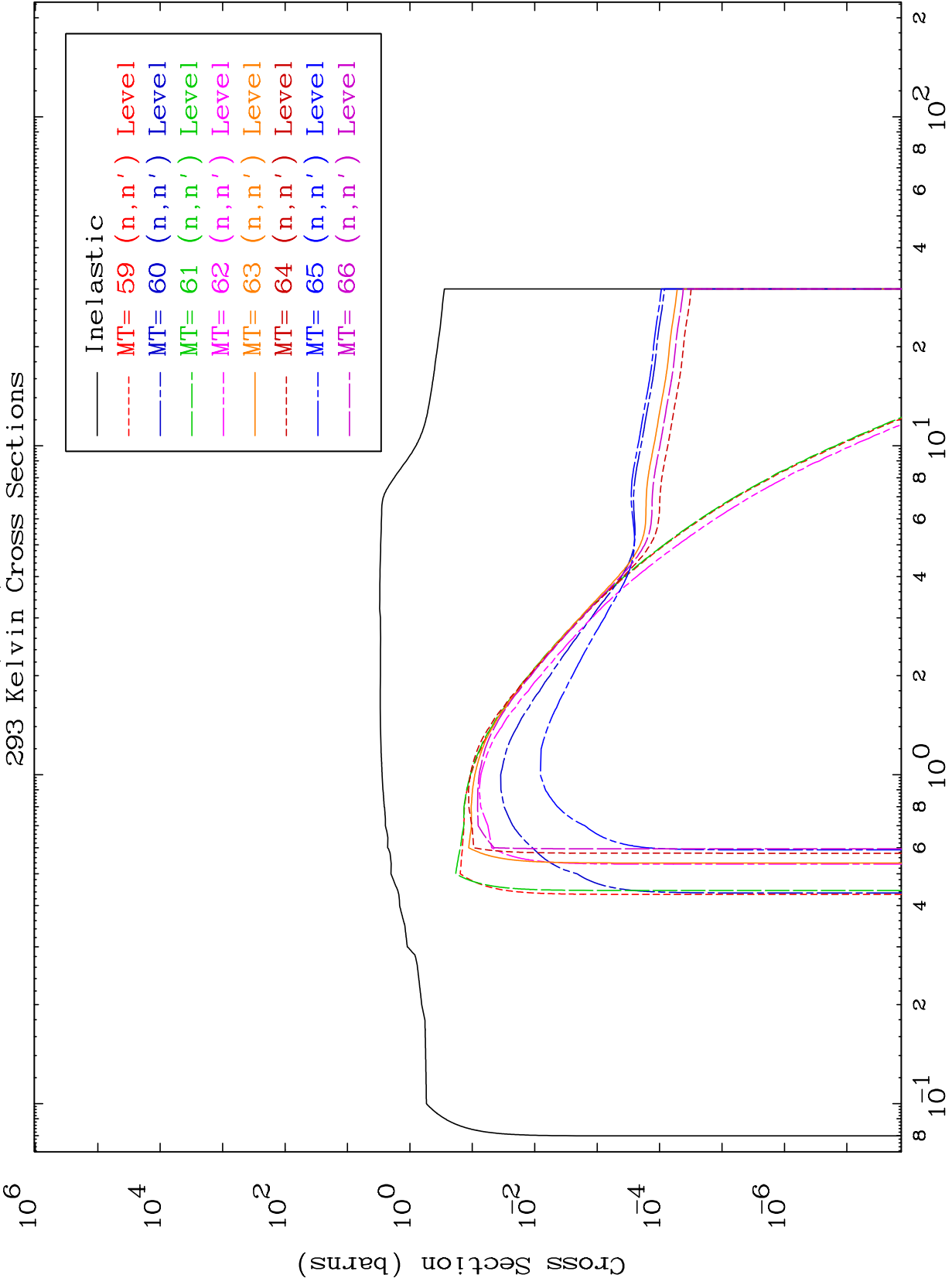
68-Er-167

MAT 6840

(n,n') Levels

68-Er-167

293 Kelvin Cross Sections



9

Incident Energy (MeV)

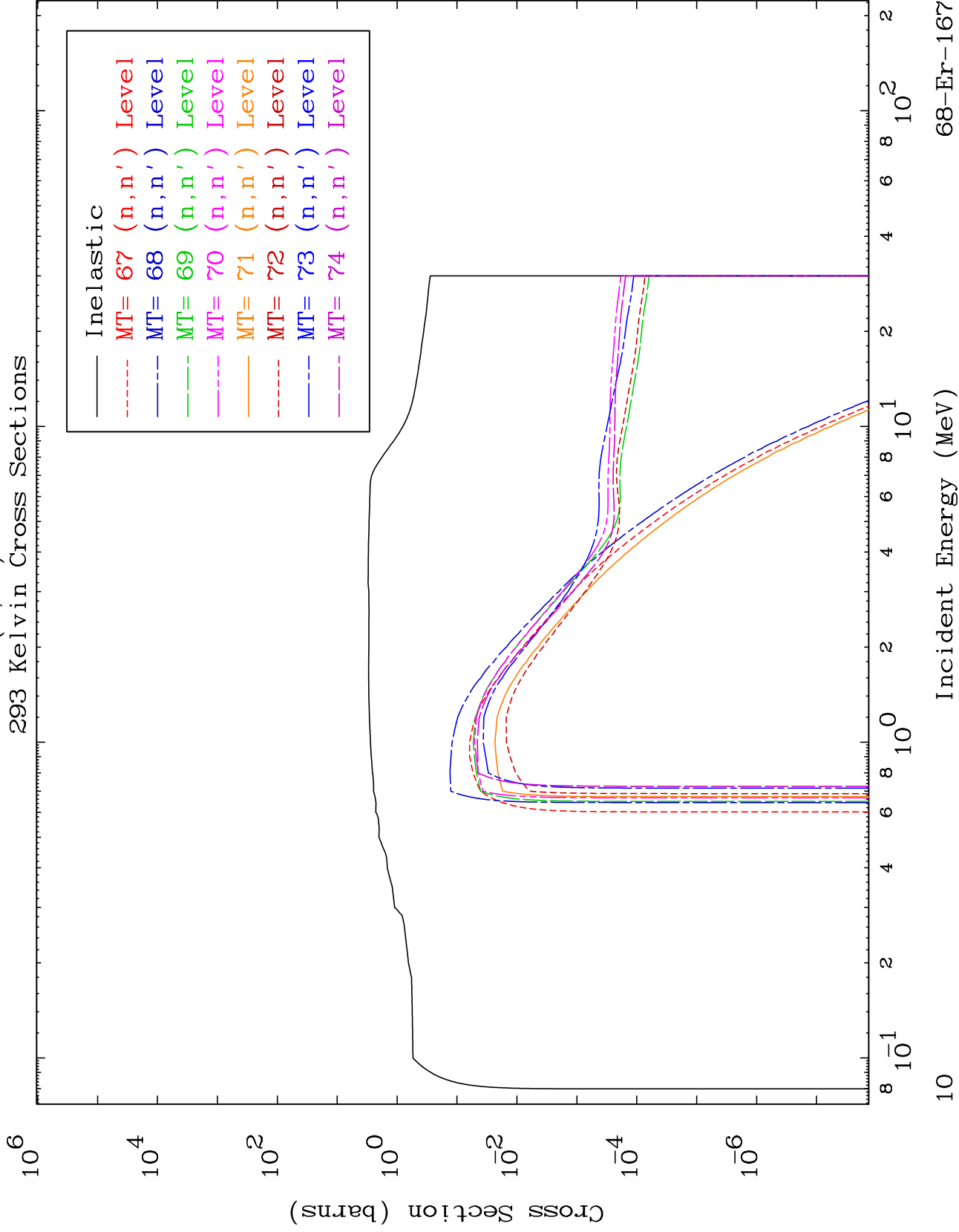
68-Er-167

MAT 6840

(n,n') Levels

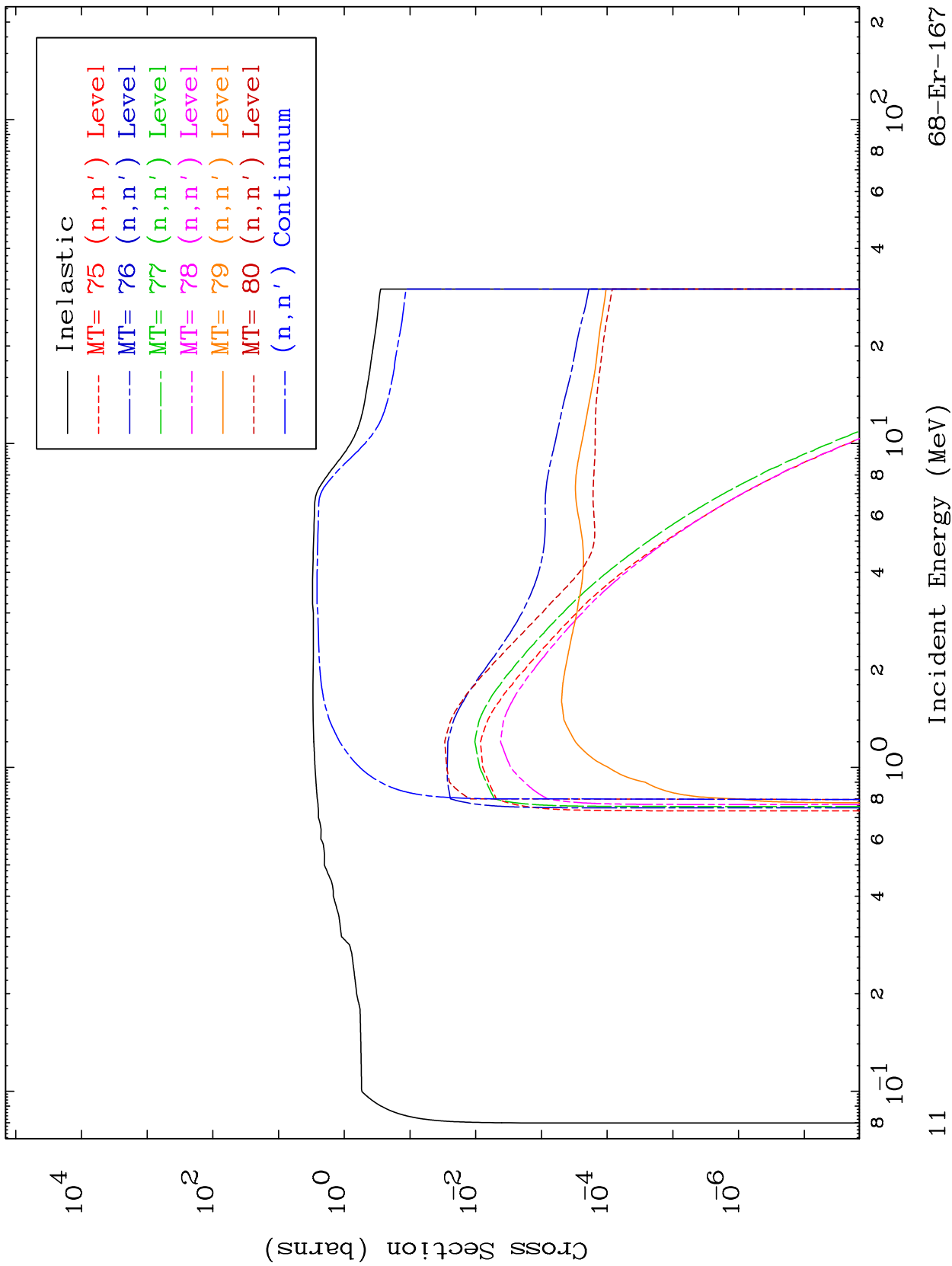
293 Kelvin Cross Sections

68-Er-167



68-Er-167

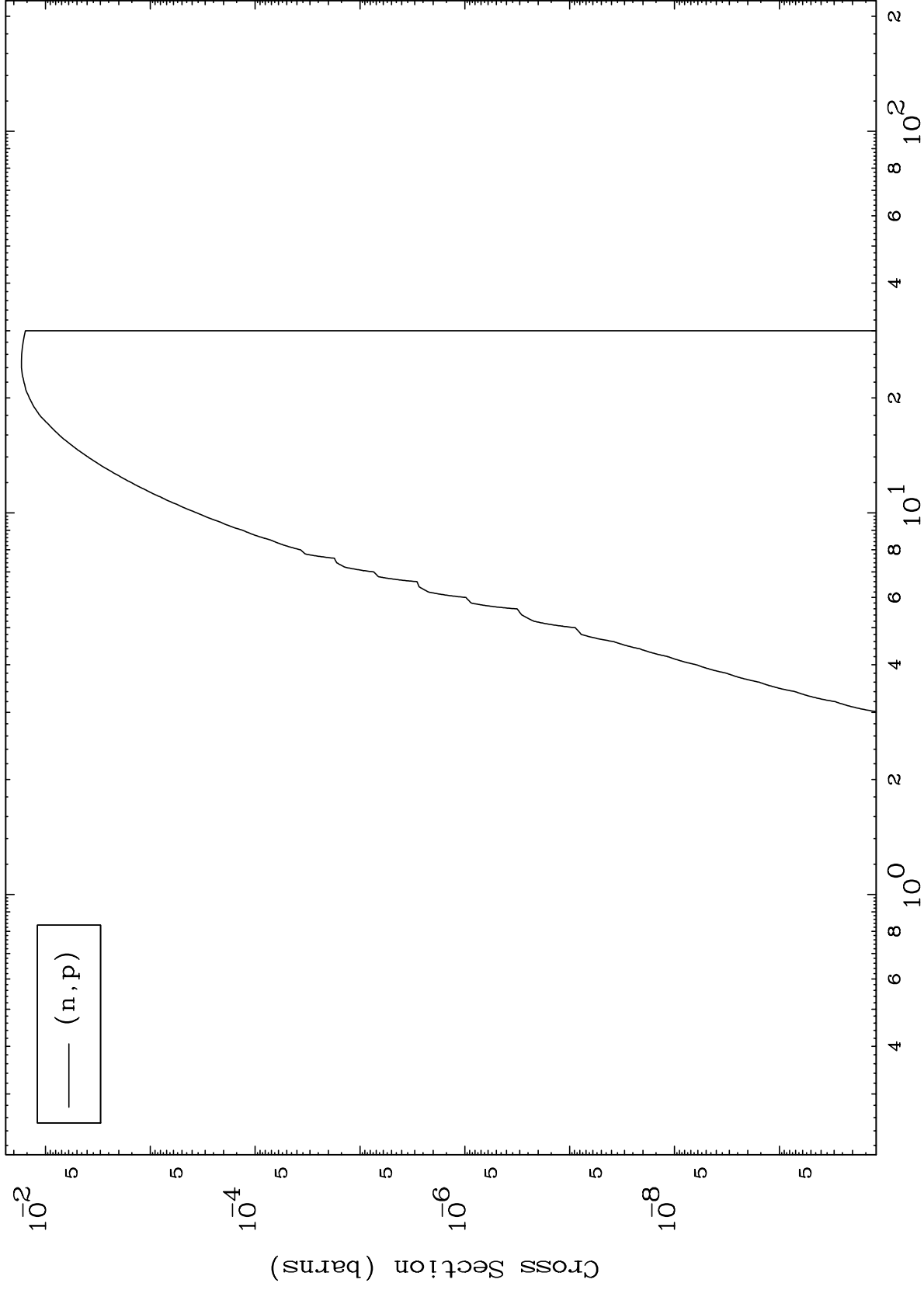
Incident Energy (MeV)



MAT 6840

(n,p) Levels
293 Kelvin Cross Sections

68-Er-167



12

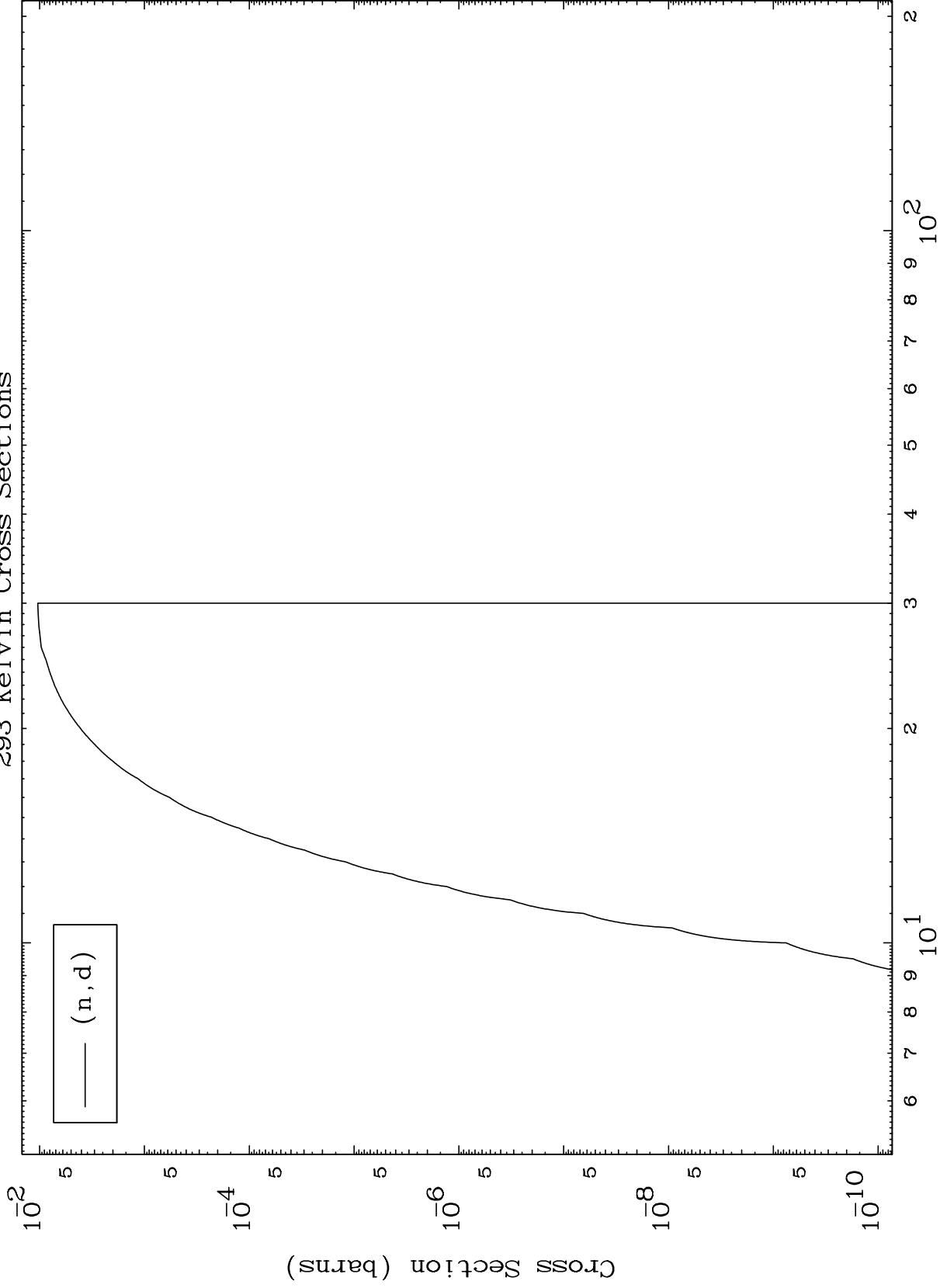
Incident Energy (MeV)

68-Er-167

MAT 6840

(n,d) Levels
293 Kelvin Cross Sections

68-Er-167



13

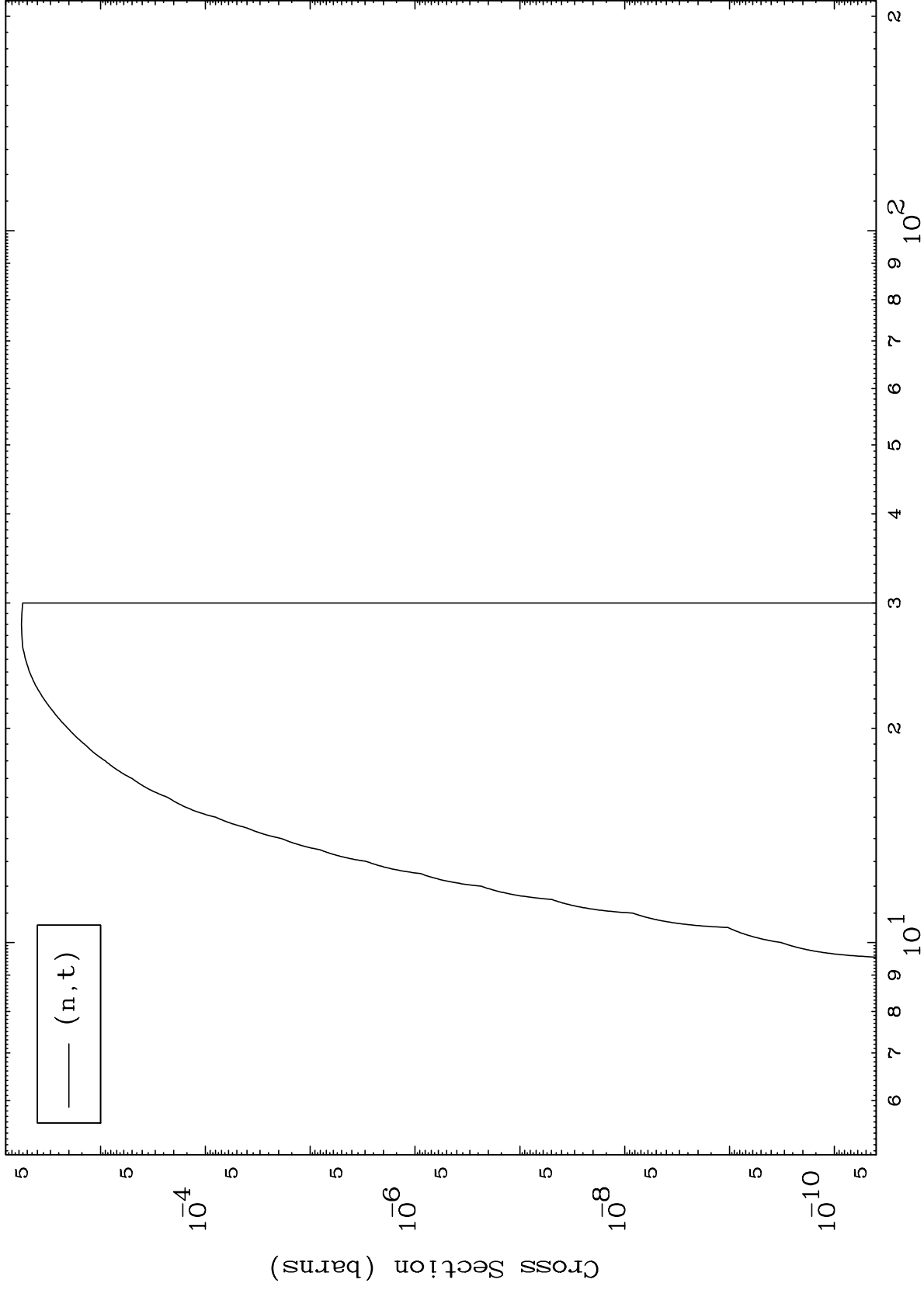
Incident Energy (MeV)

68-Er-167

MAT 6840

(n,t) Levels
293 Kelvin Cross Sections

68-Er-167



14

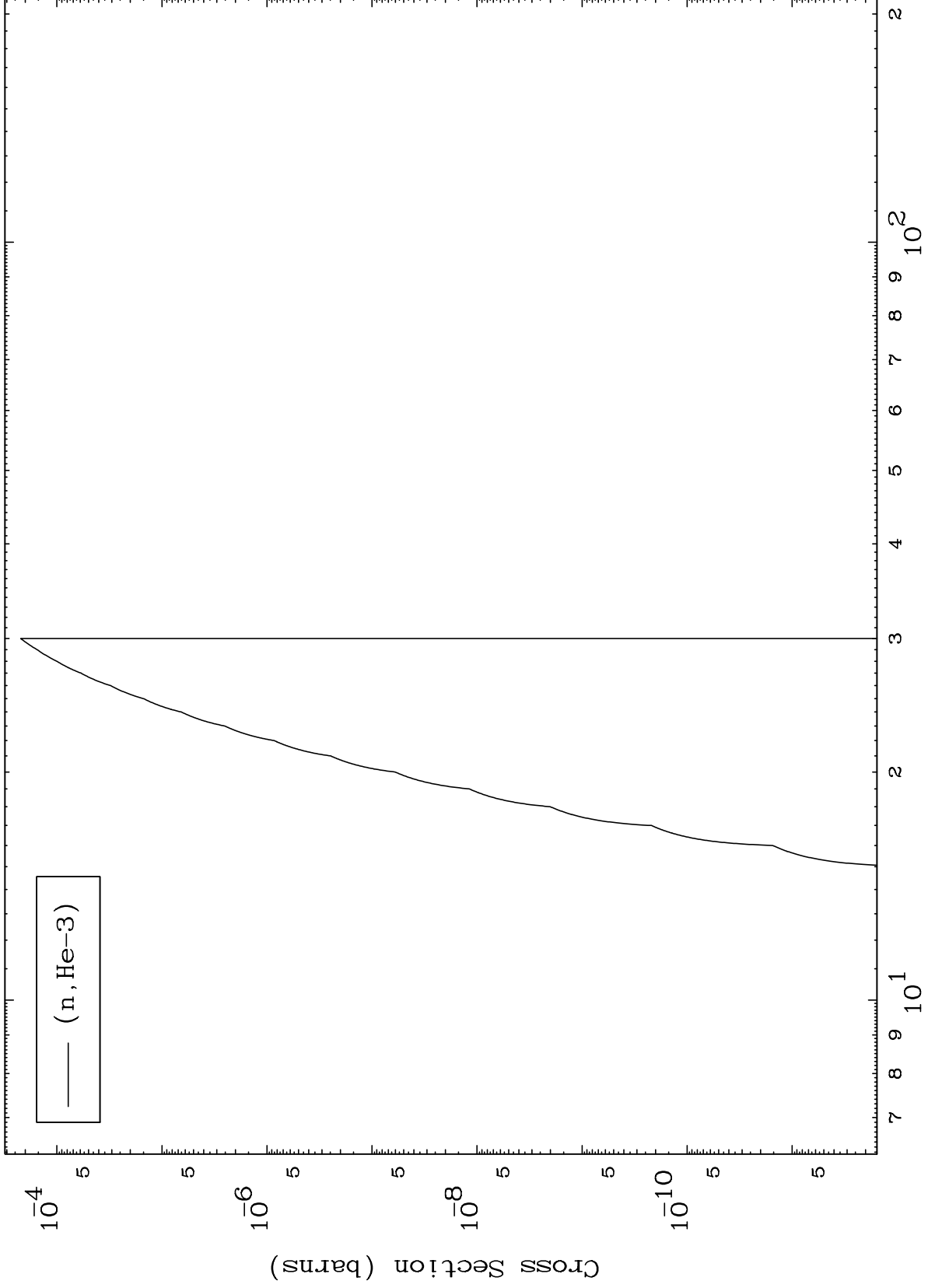
Incident Energy (MeV)

68-Er-167

MAT 6840

(n,He3) Levels
293 Kelvin Cross Sections

68-Er-167



15

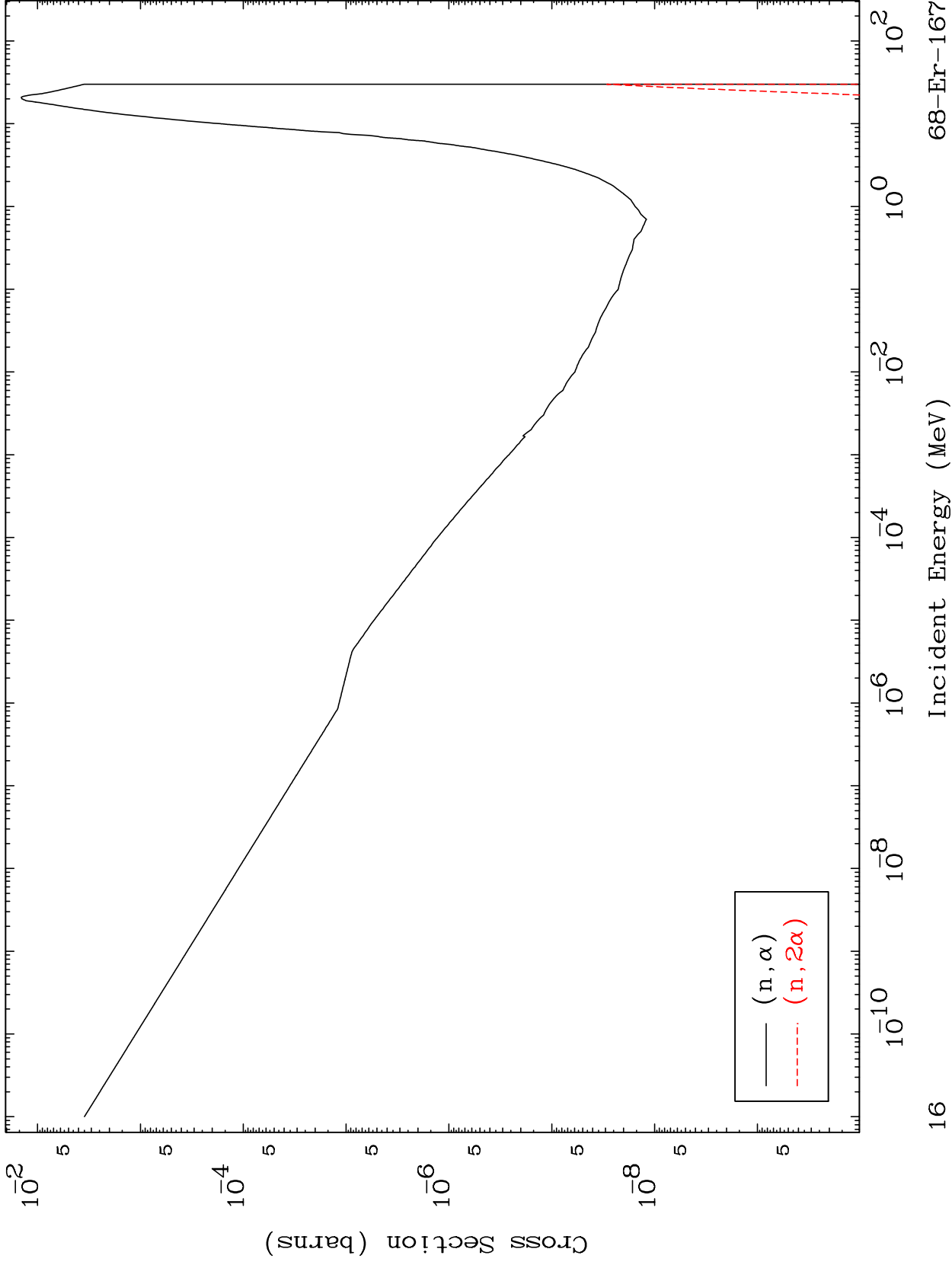
Incident Energy (MeV)

68-Er-167

MAT 6840

(n, α) Levels
293 Kelvin Cross Sections

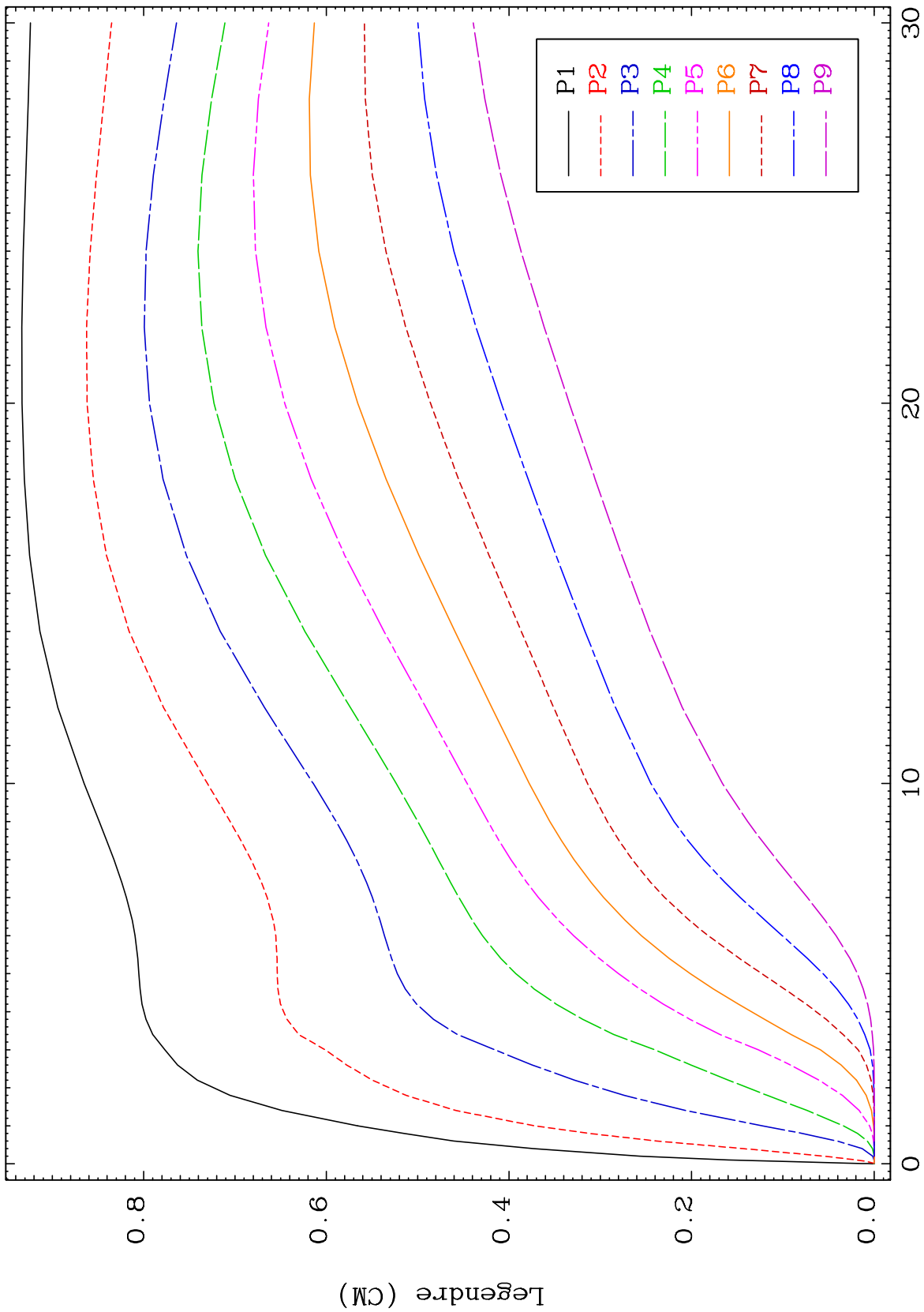
68-Er-167



MAT 6840

68-Er-167

Elastic Legendre Coefficients



68-Er-167

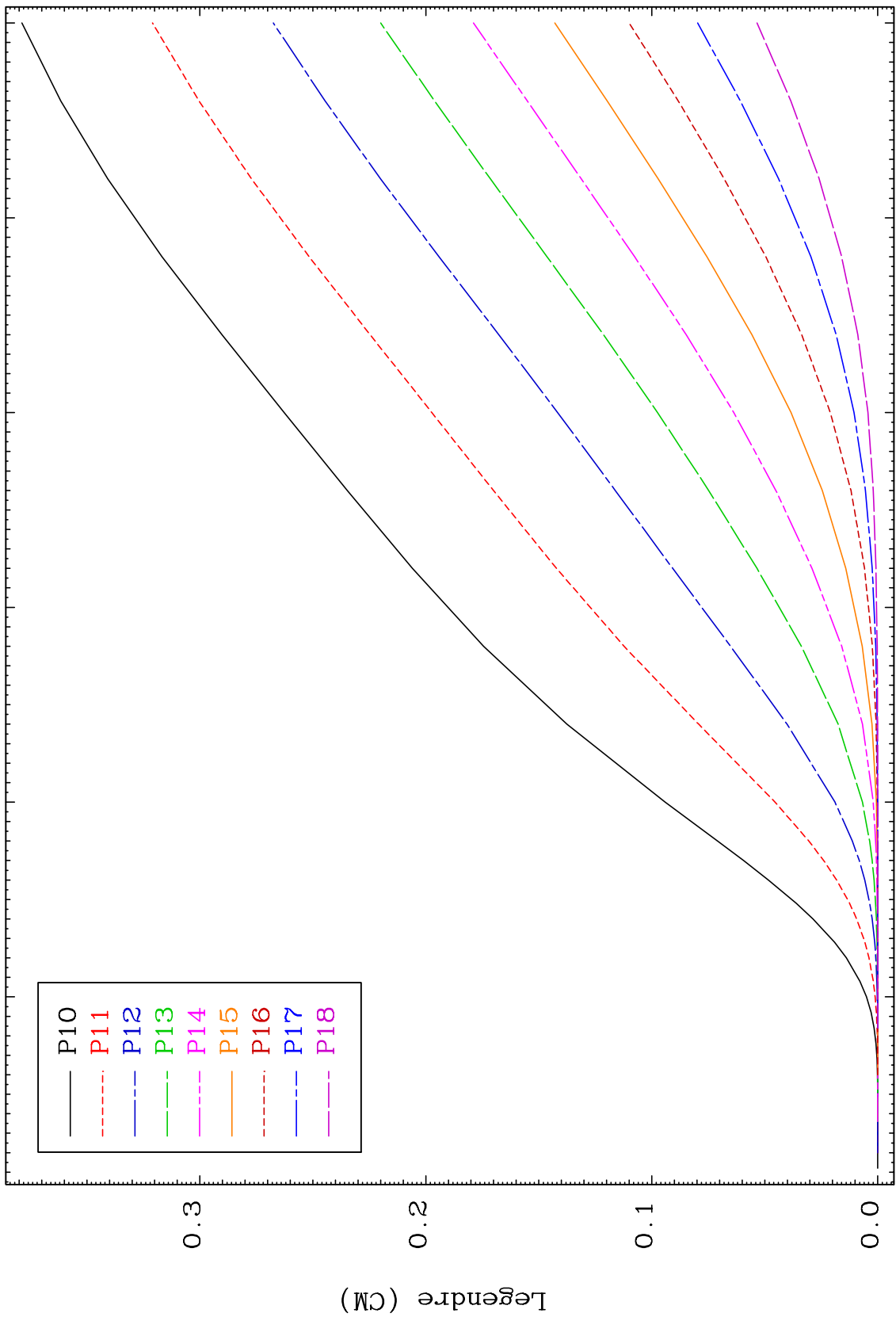
Incident Energy (MeV)

17

MAT 6840

Elastic Legendre Coefficients

68-Er-167



18

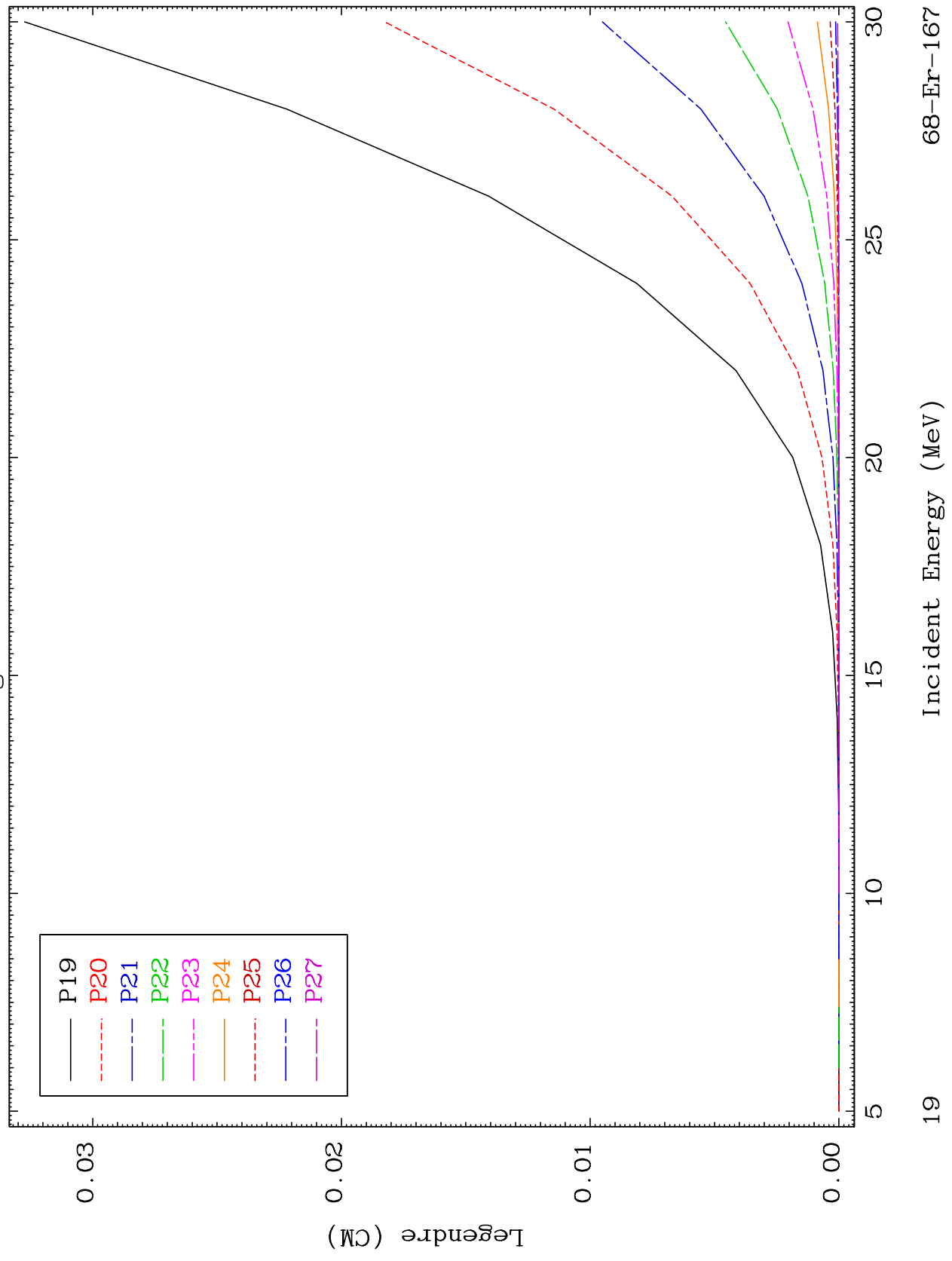
Incident Energy (MeV)

68-Er-167

MAT 6840

Elastic
Legendre Coefficients

68-Er-167



19

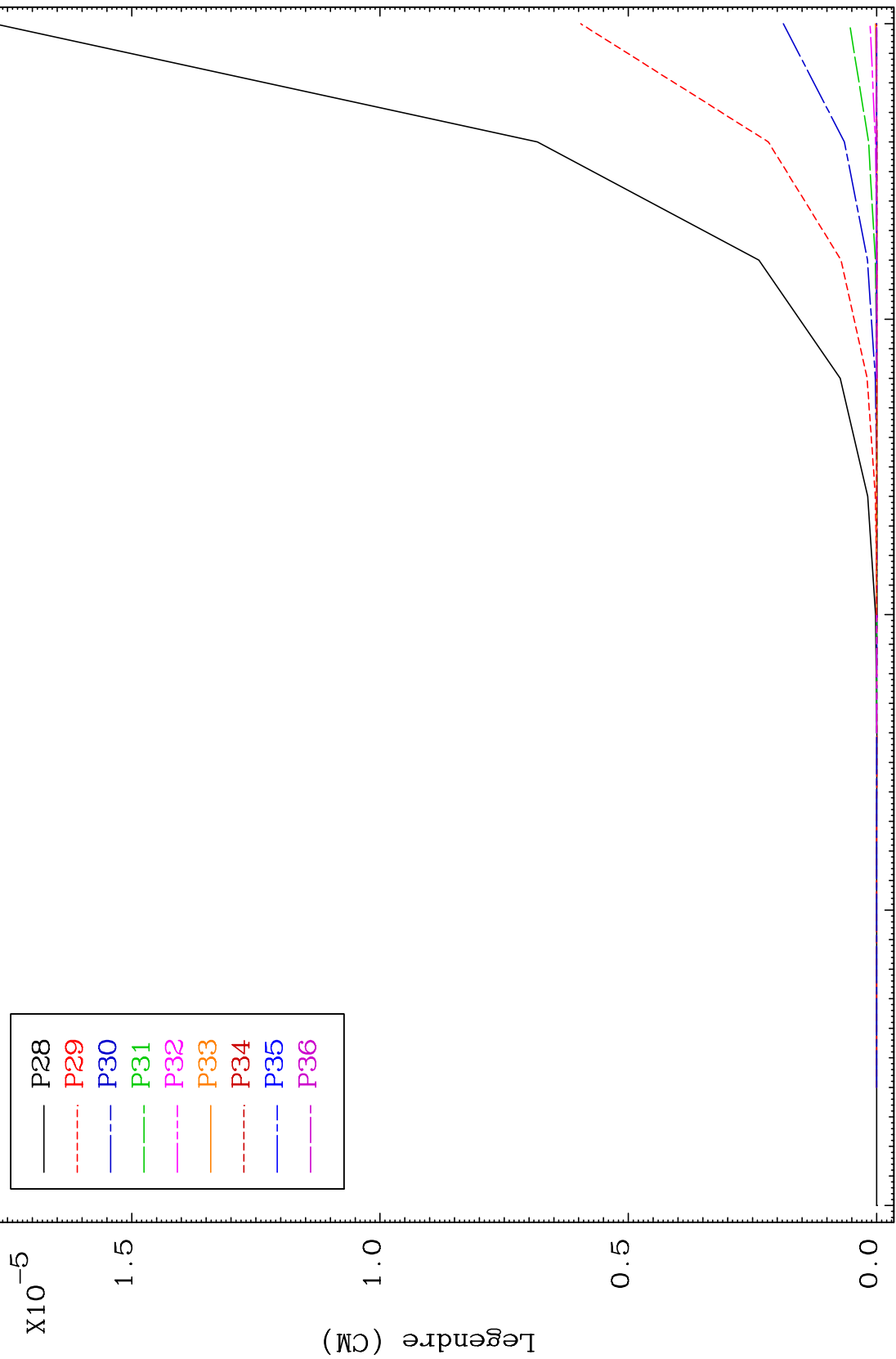
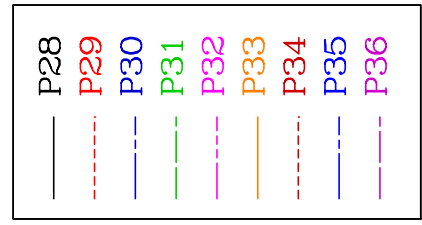
Incident Energy (MeV)

68-Er-167

MAT 6840

Elastic Legendre Coefficients

68-Er-167



68-Er-167

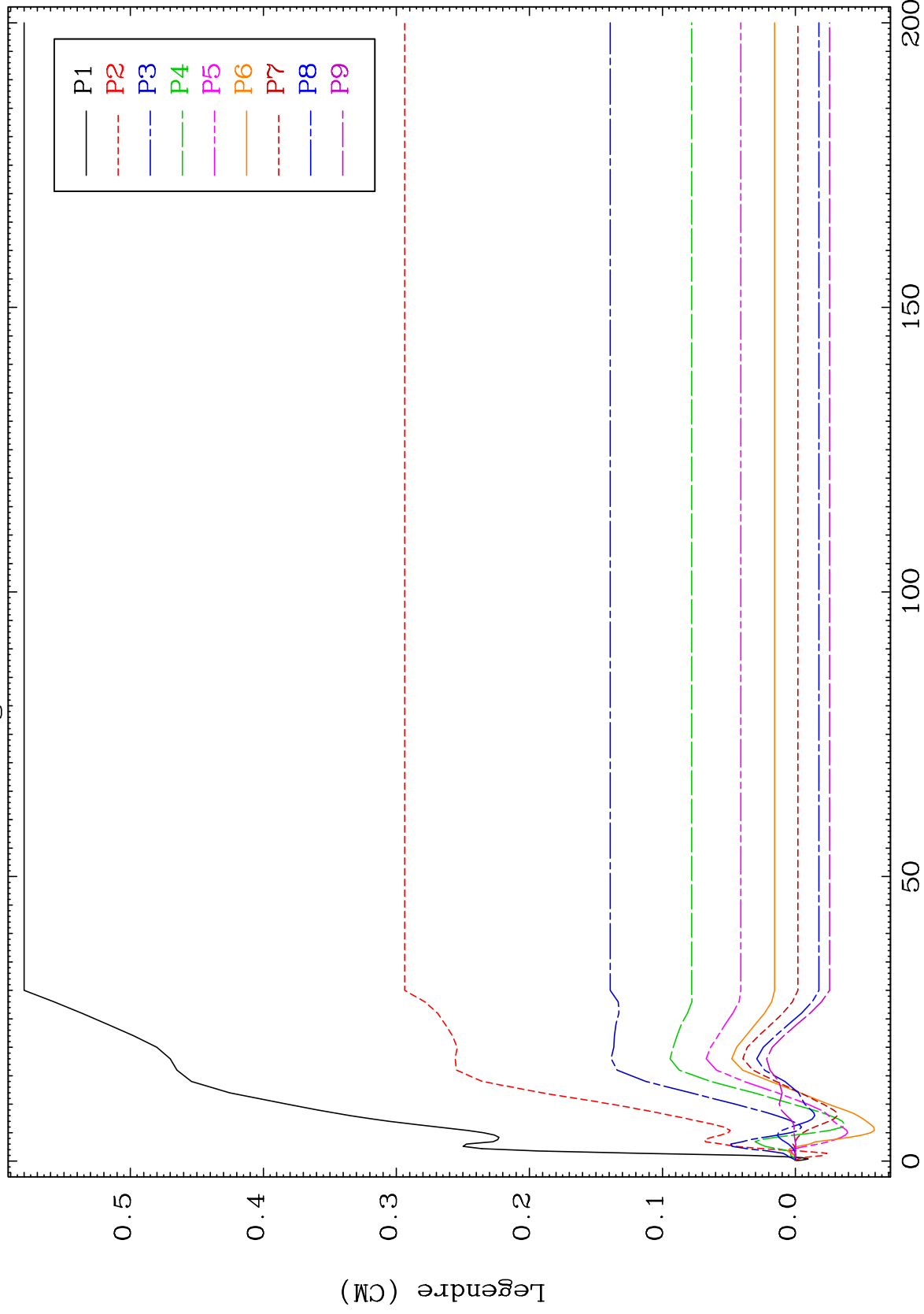
Incident Energy (MeV)

20

MAT 6840

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

68-Er-167



21

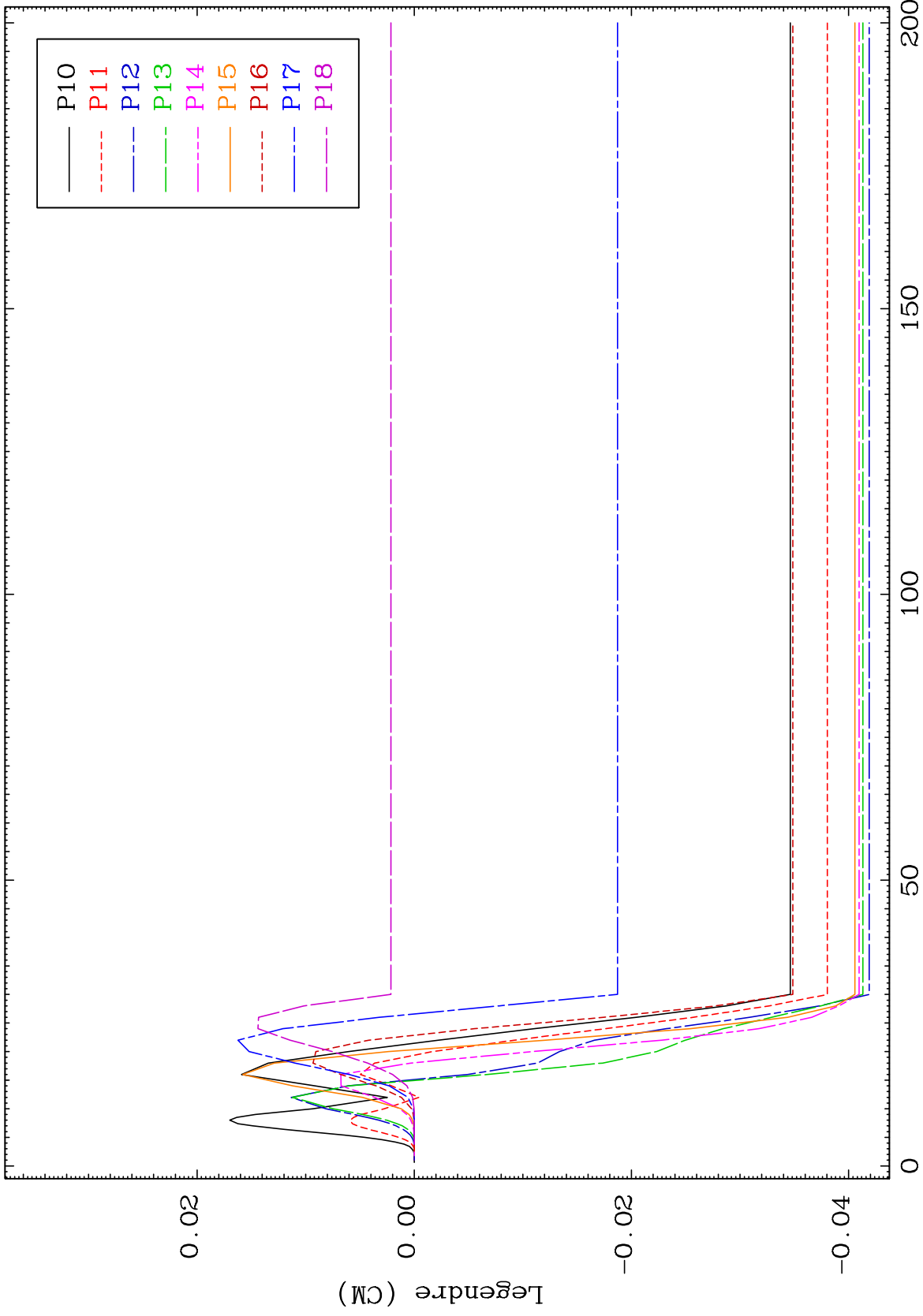
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



22

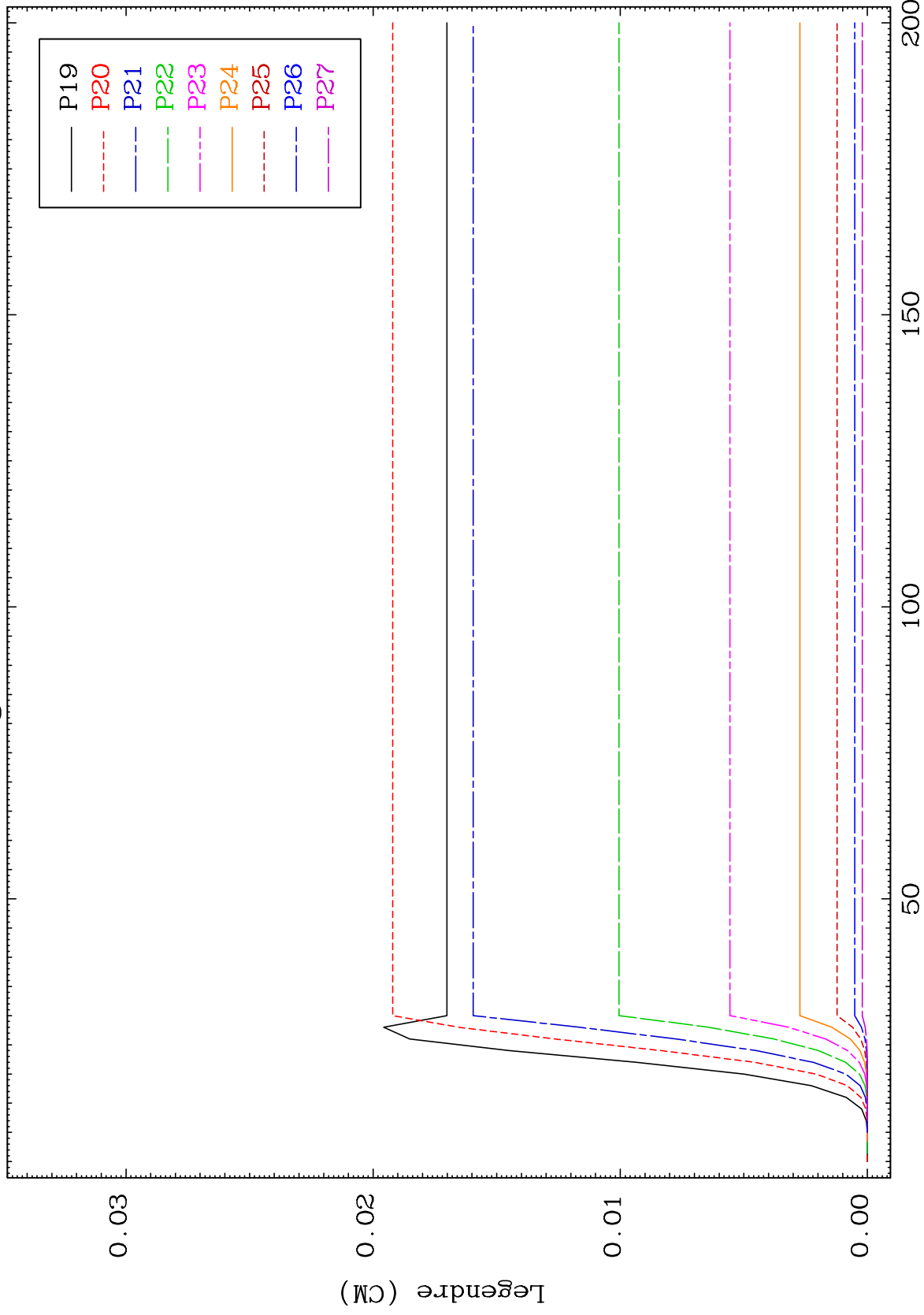
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



23

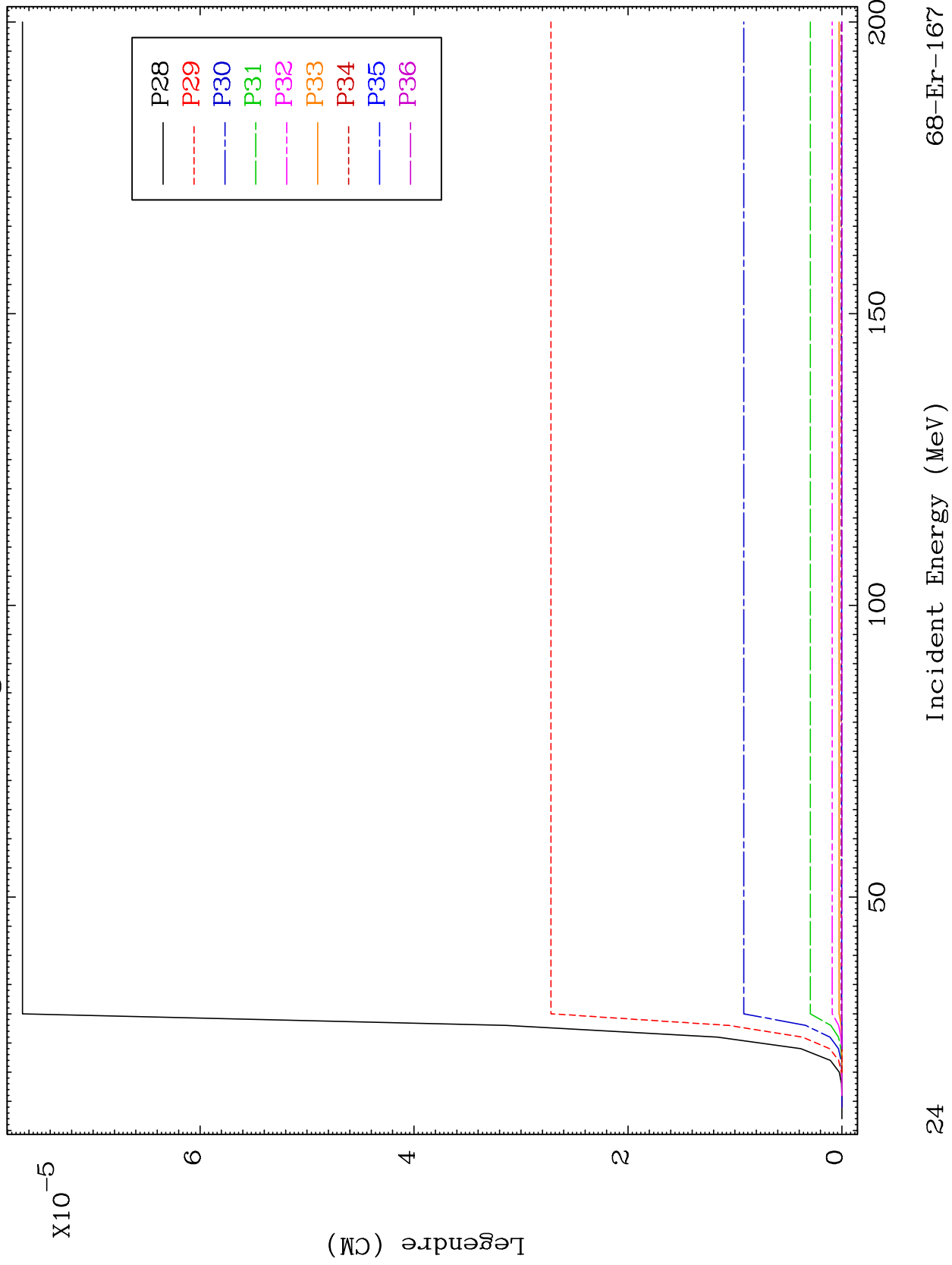
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



24

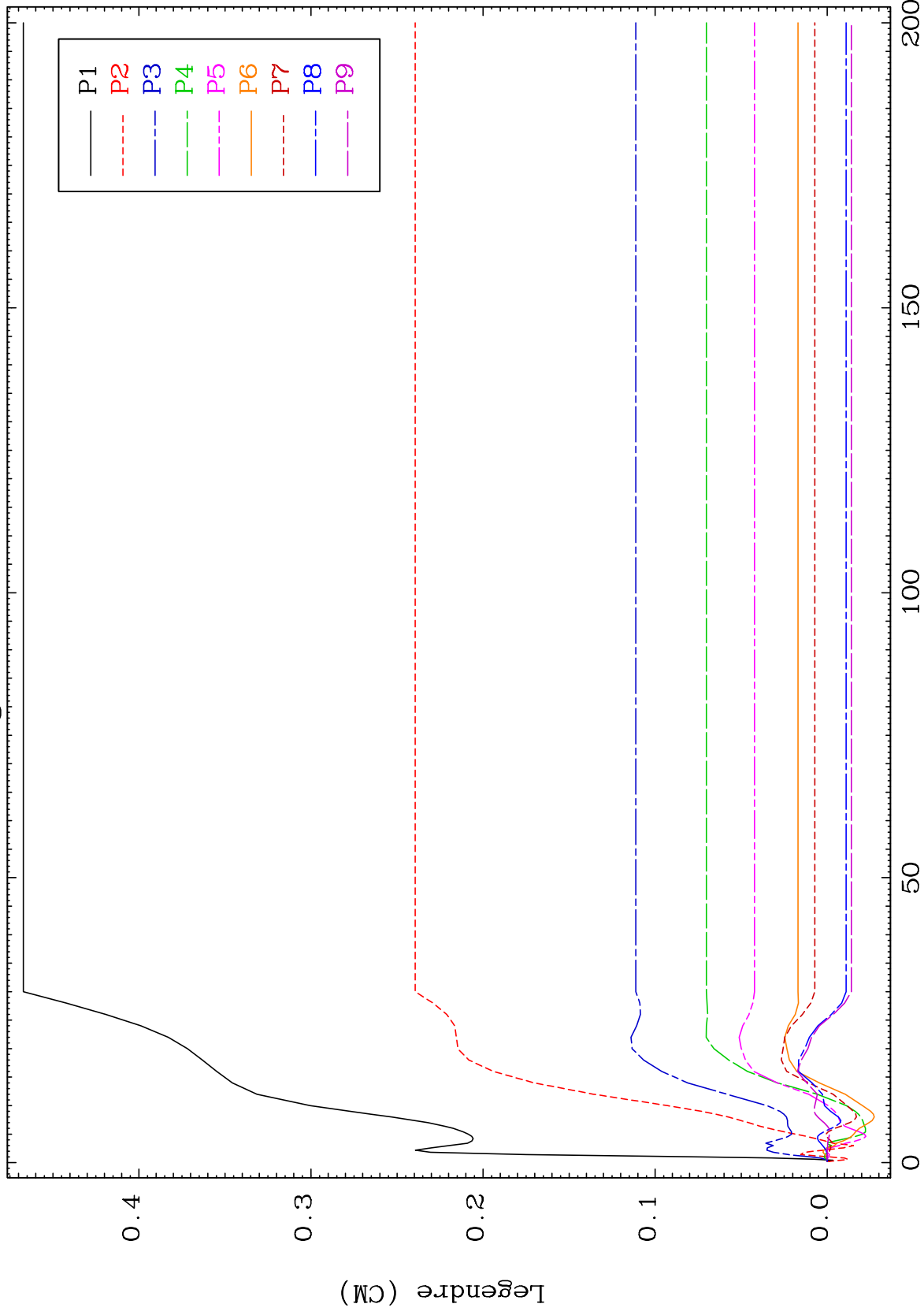
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



25

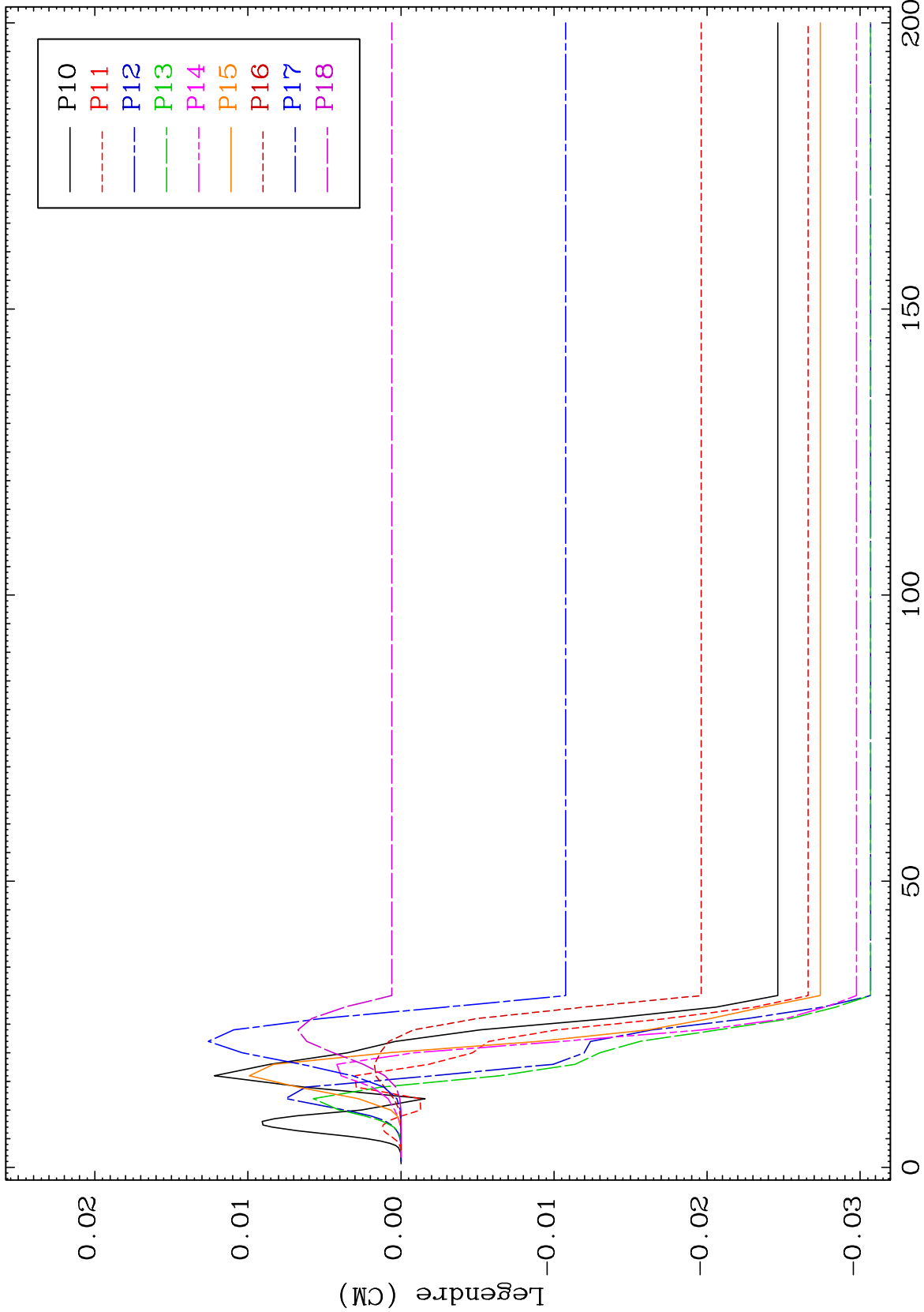
Incident Energy (MeV)

68-Er-167

MAT 6840

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

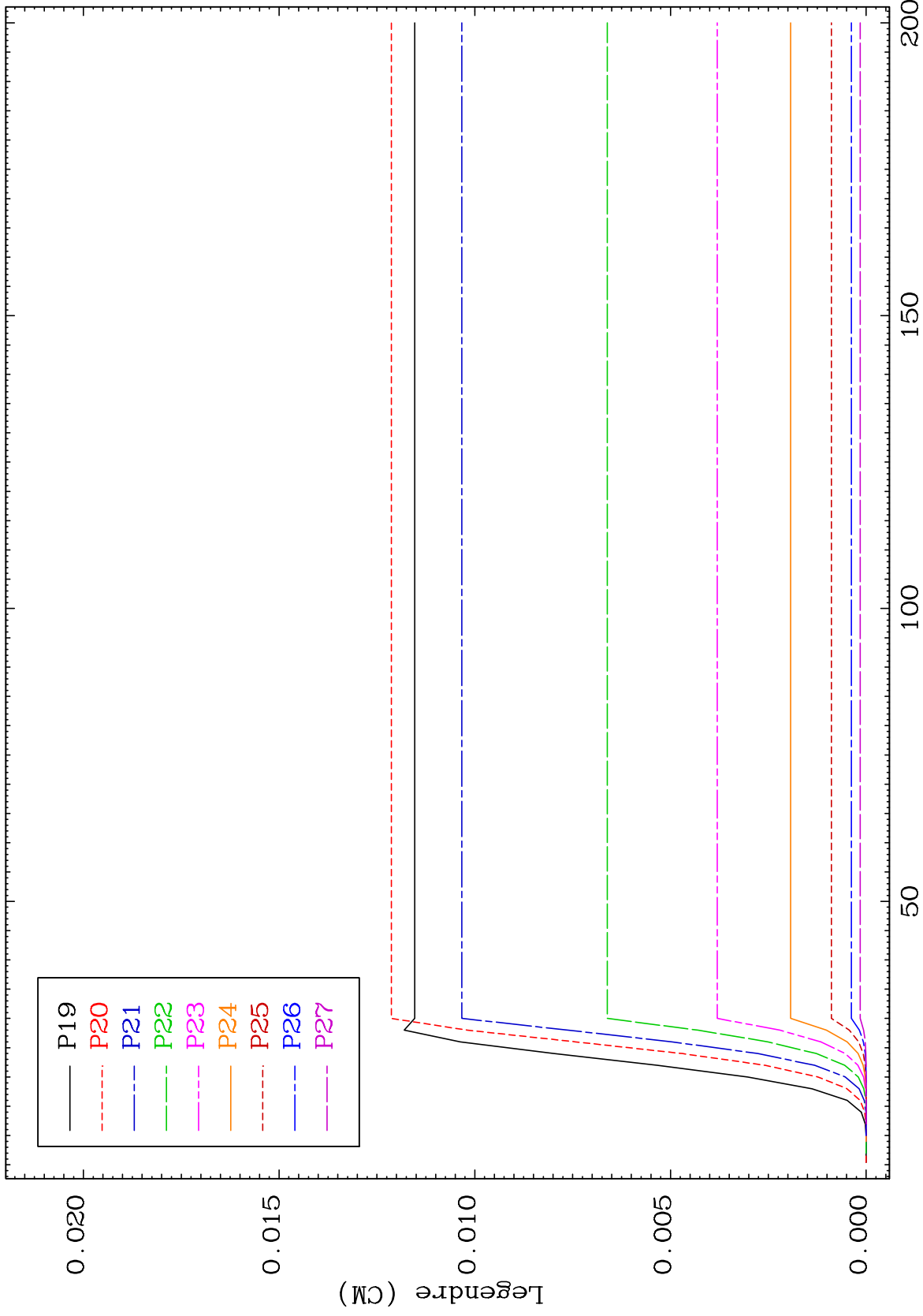
68-Er-167



26

Incident Energy (MeV)

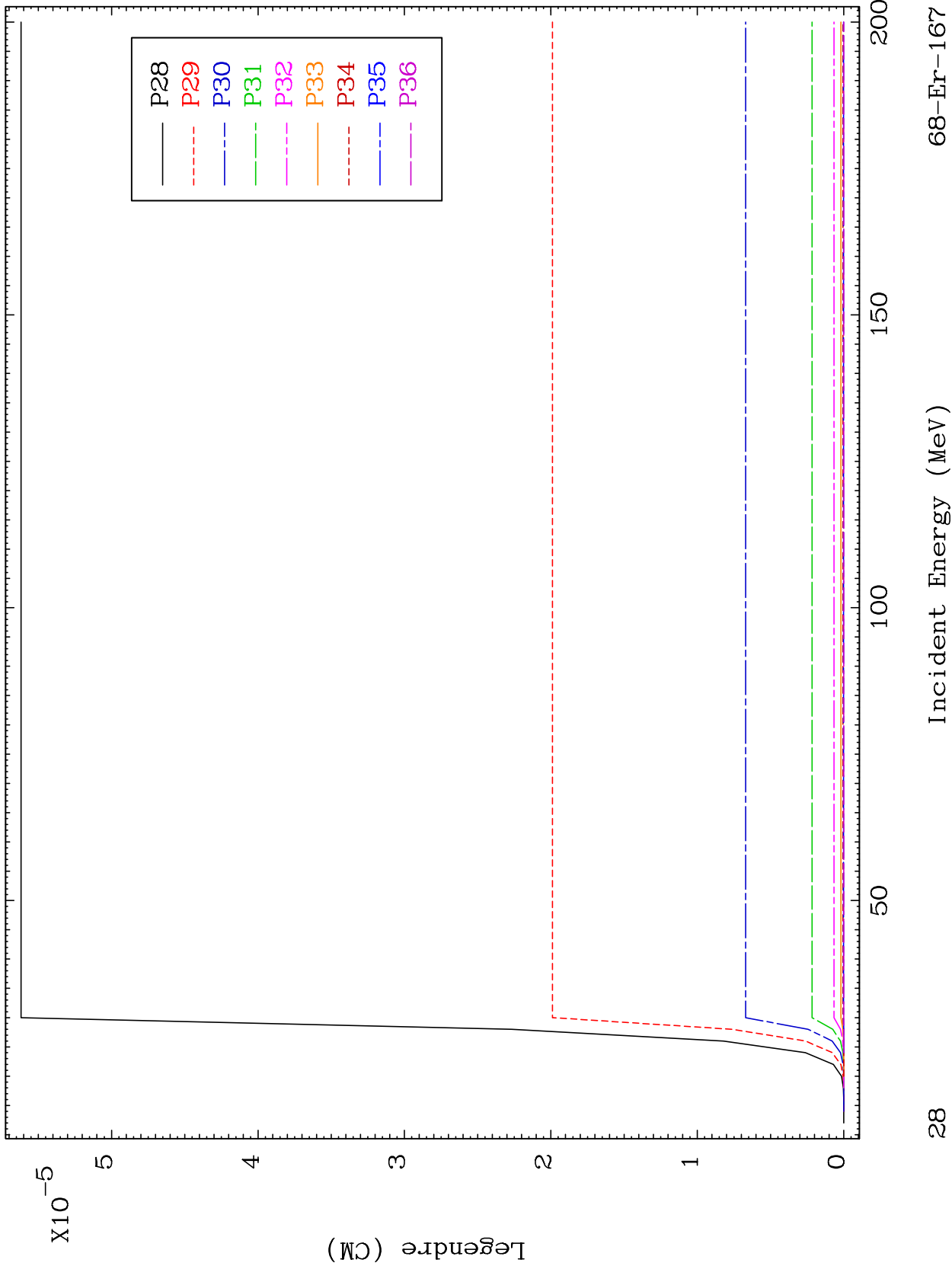
68-Er-167



MAT 6840

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

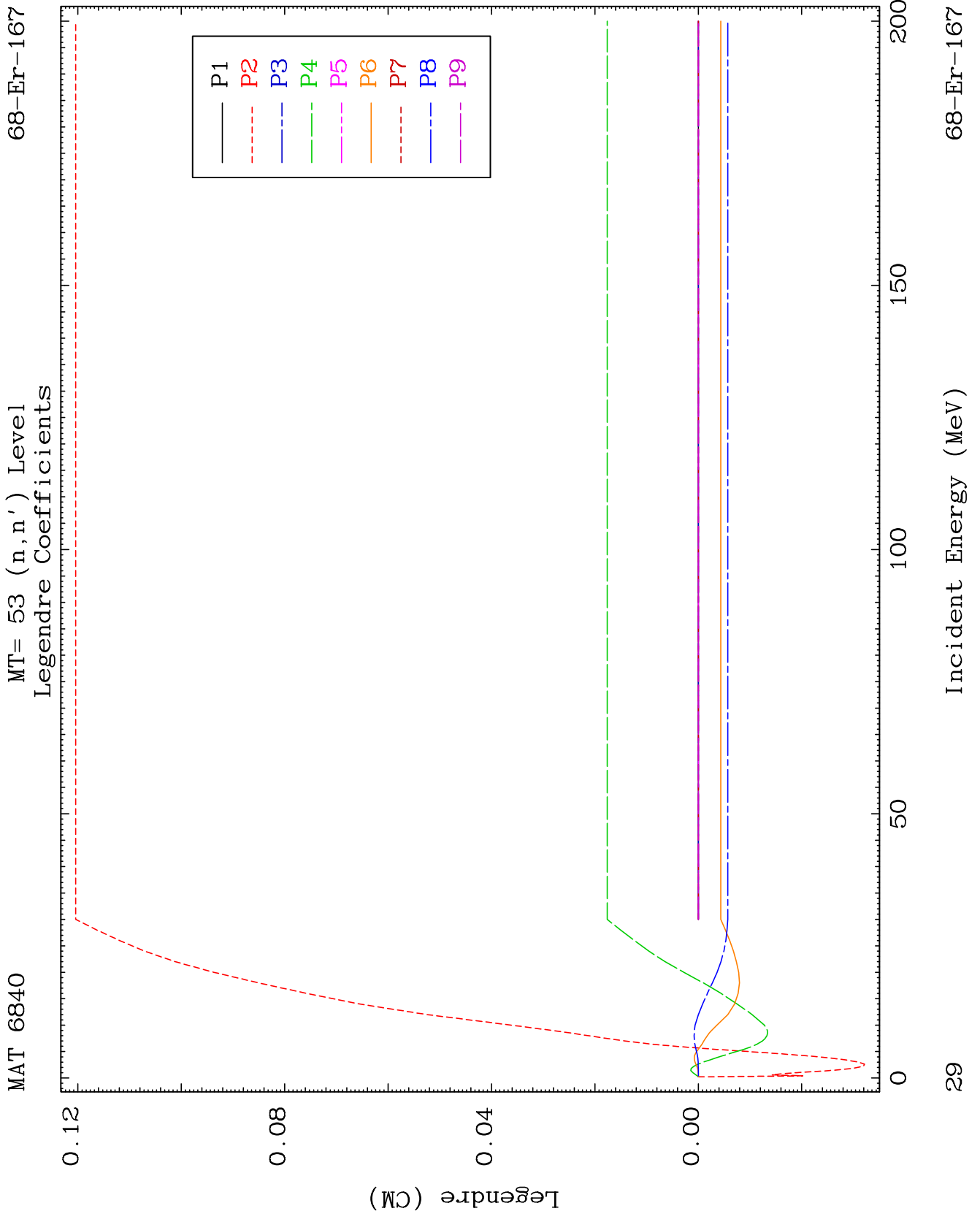
68-Er-167



28

Incident Energy (MeV)

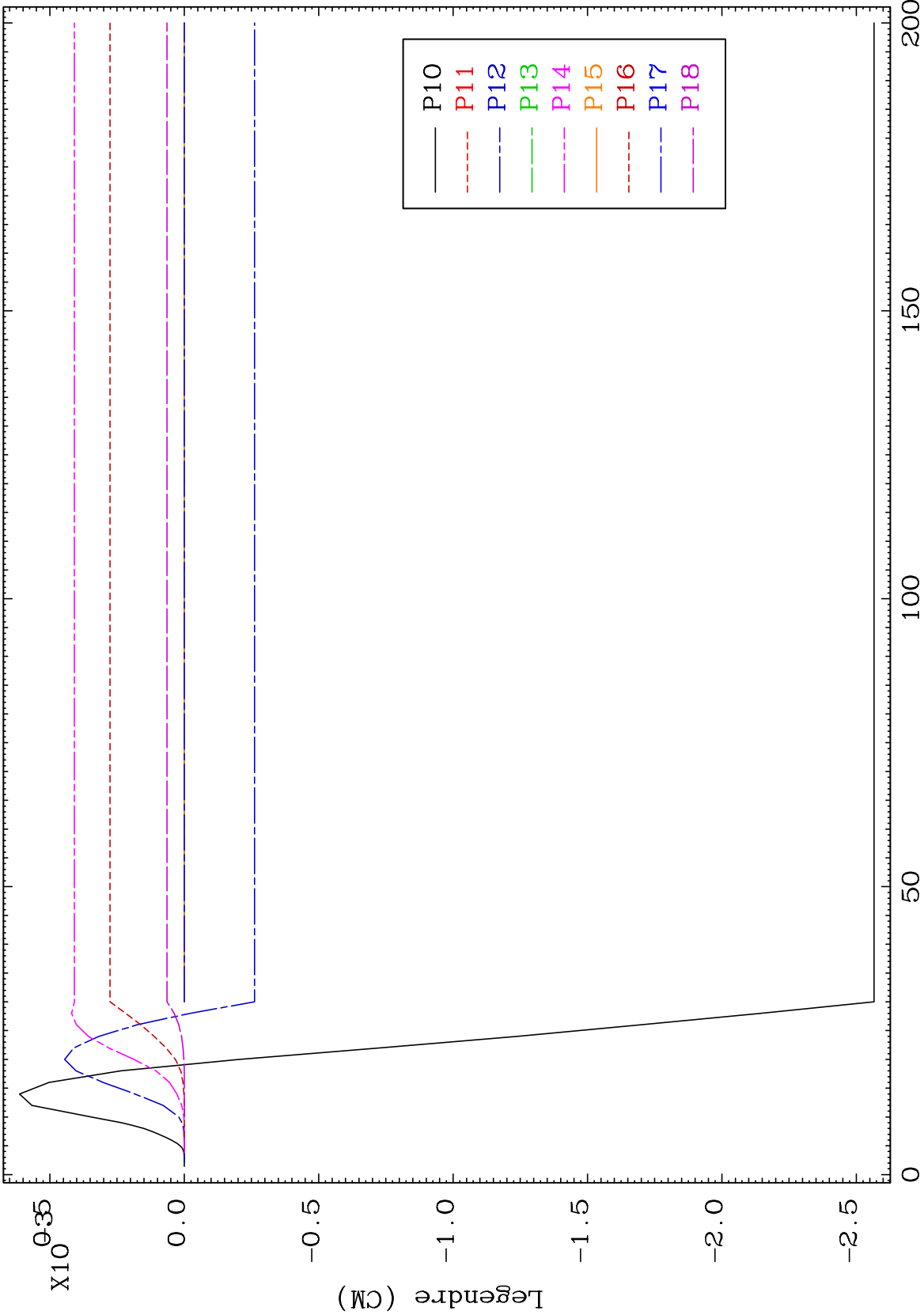
68-Er-167



MAT 6840

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

68-Er-167



30

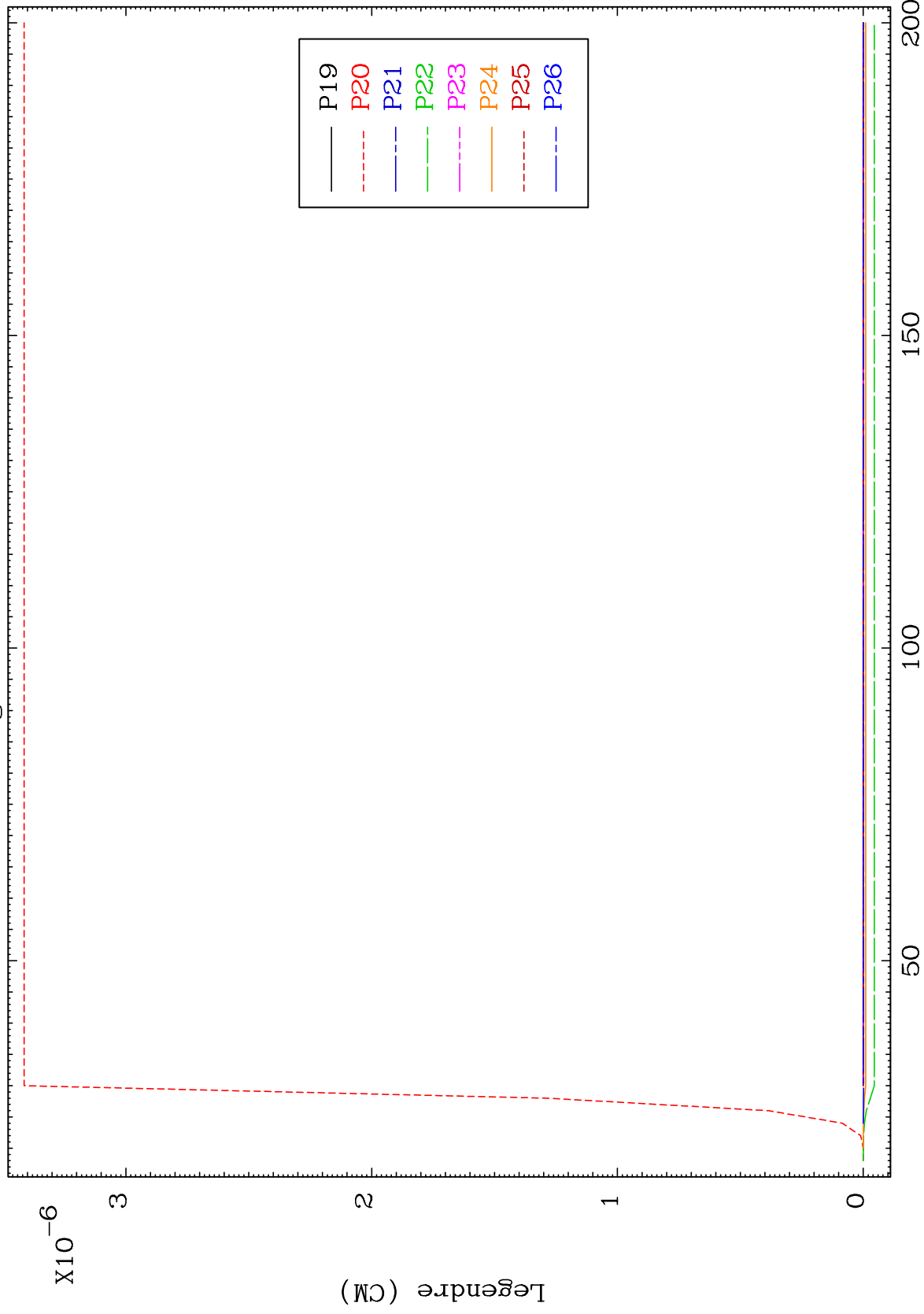
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



31

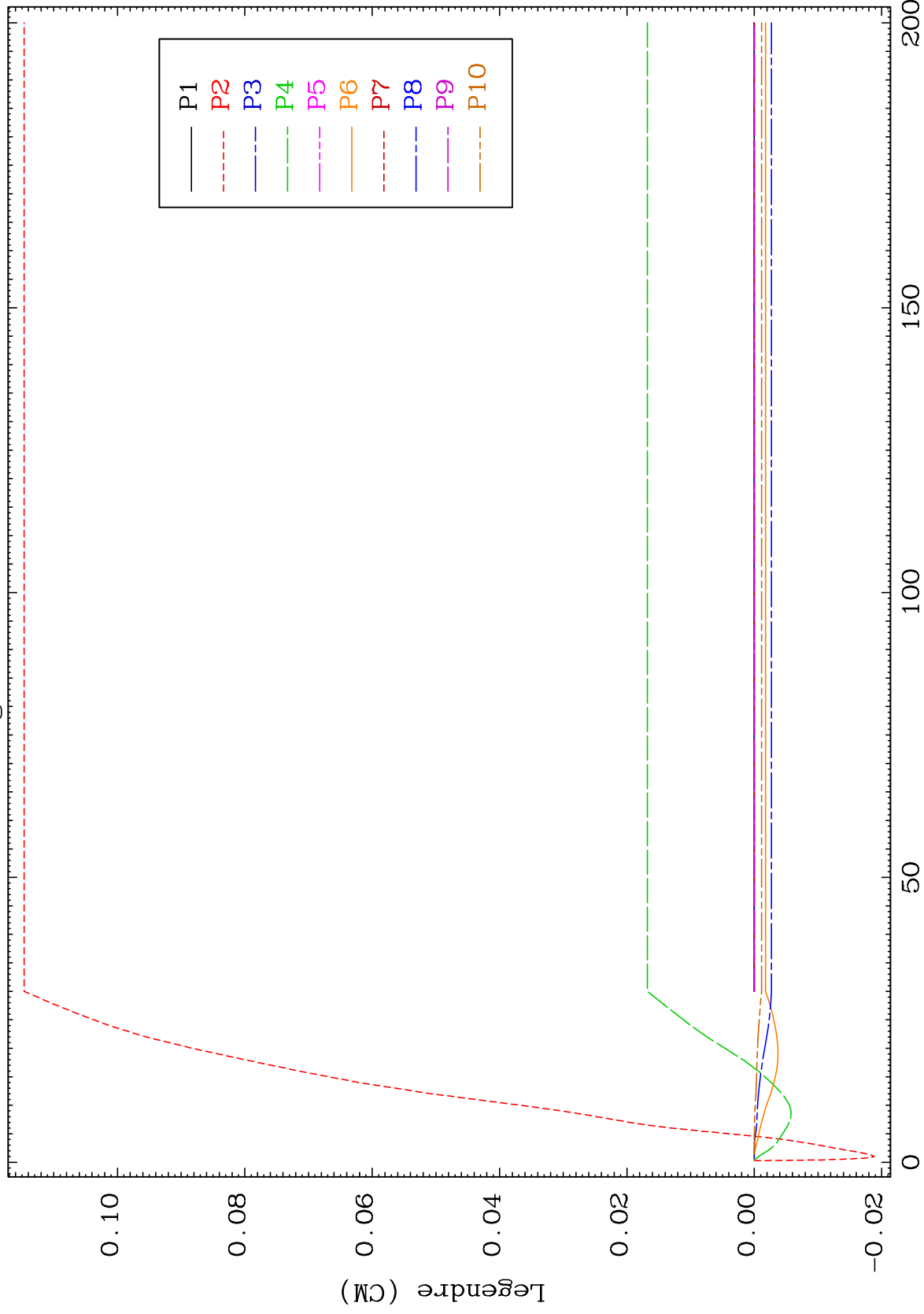
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



32

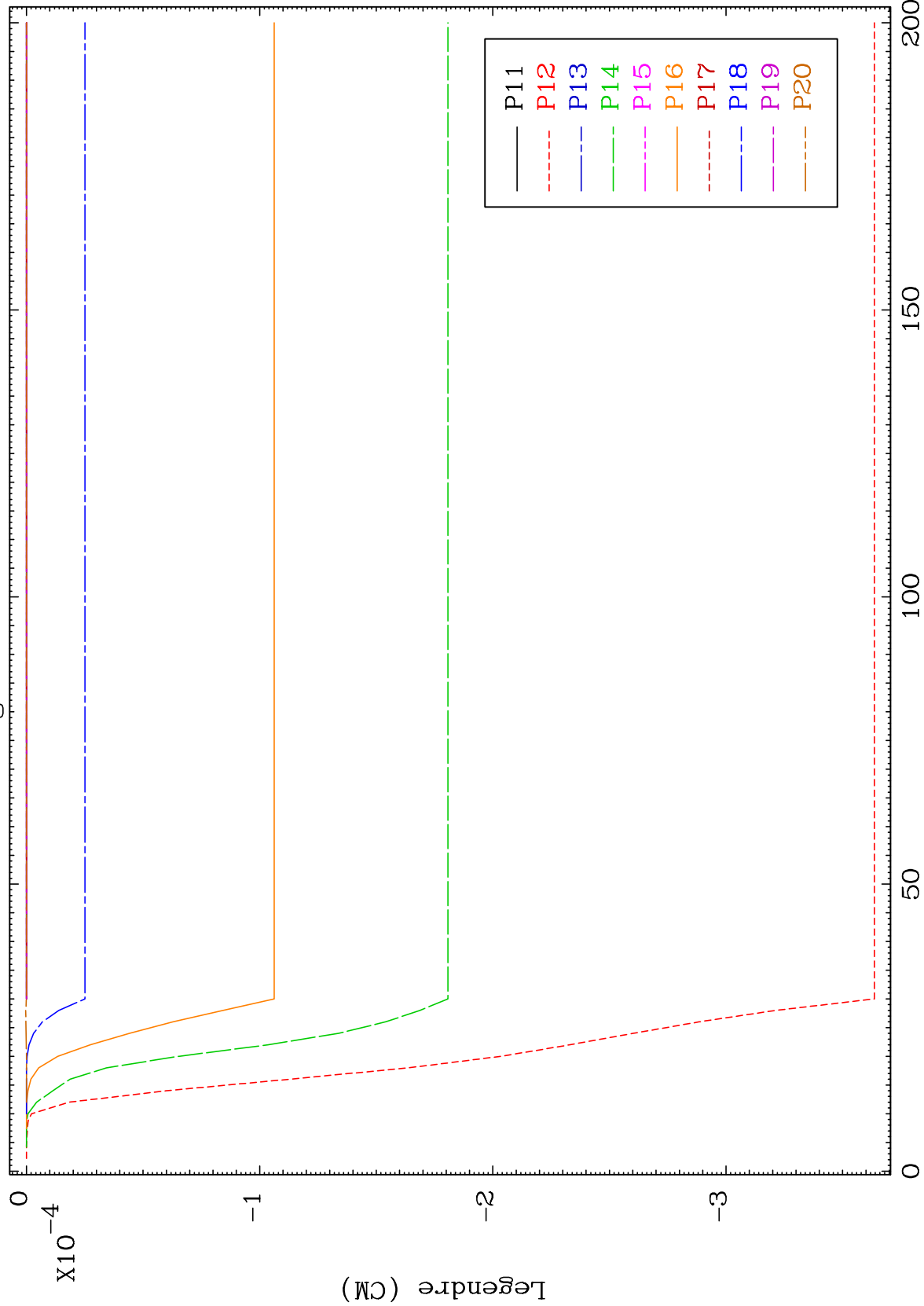
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



68-Er-167

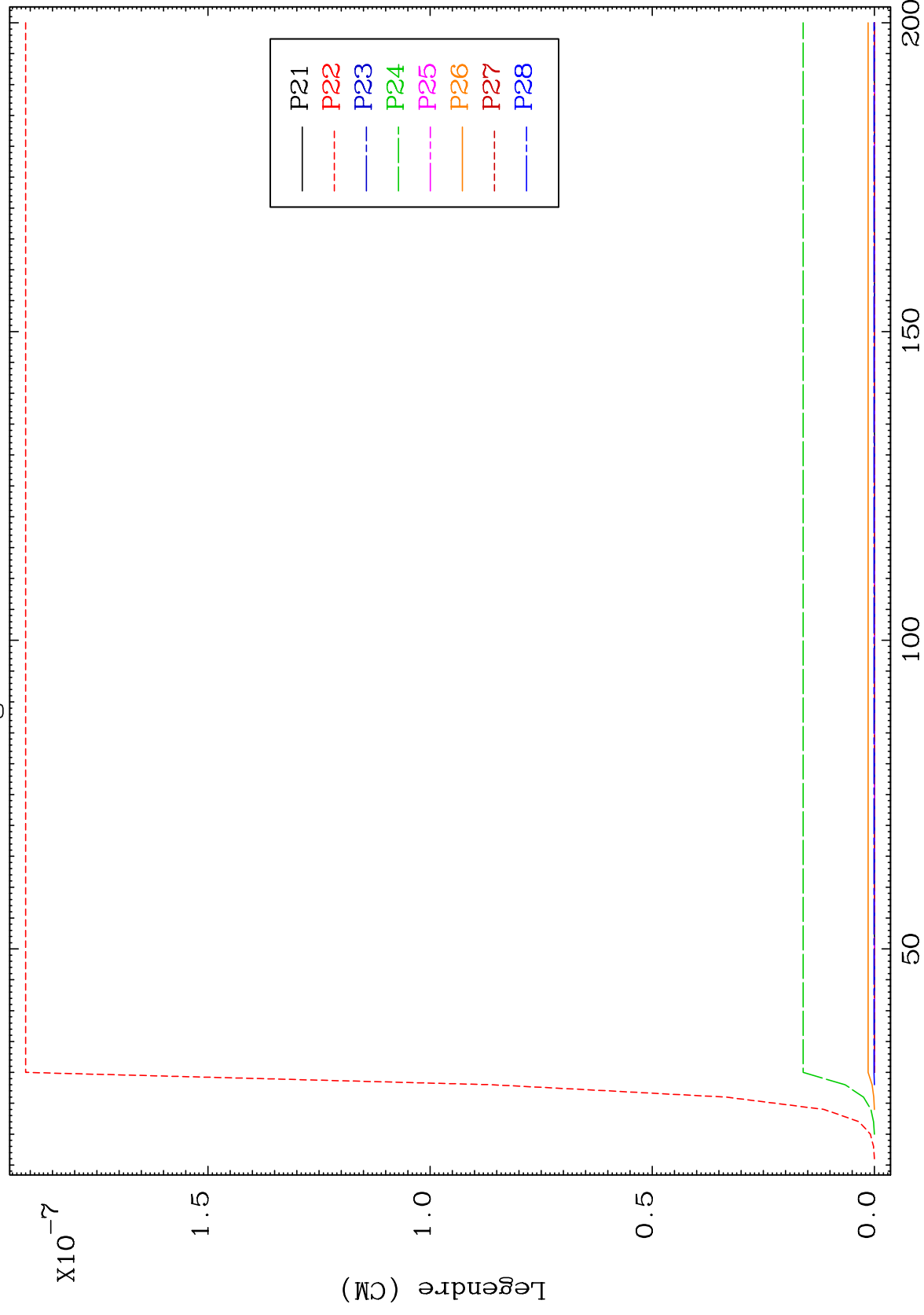
Incident Energy (MeV)

33

MAT 6840

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

68-Er-167



34

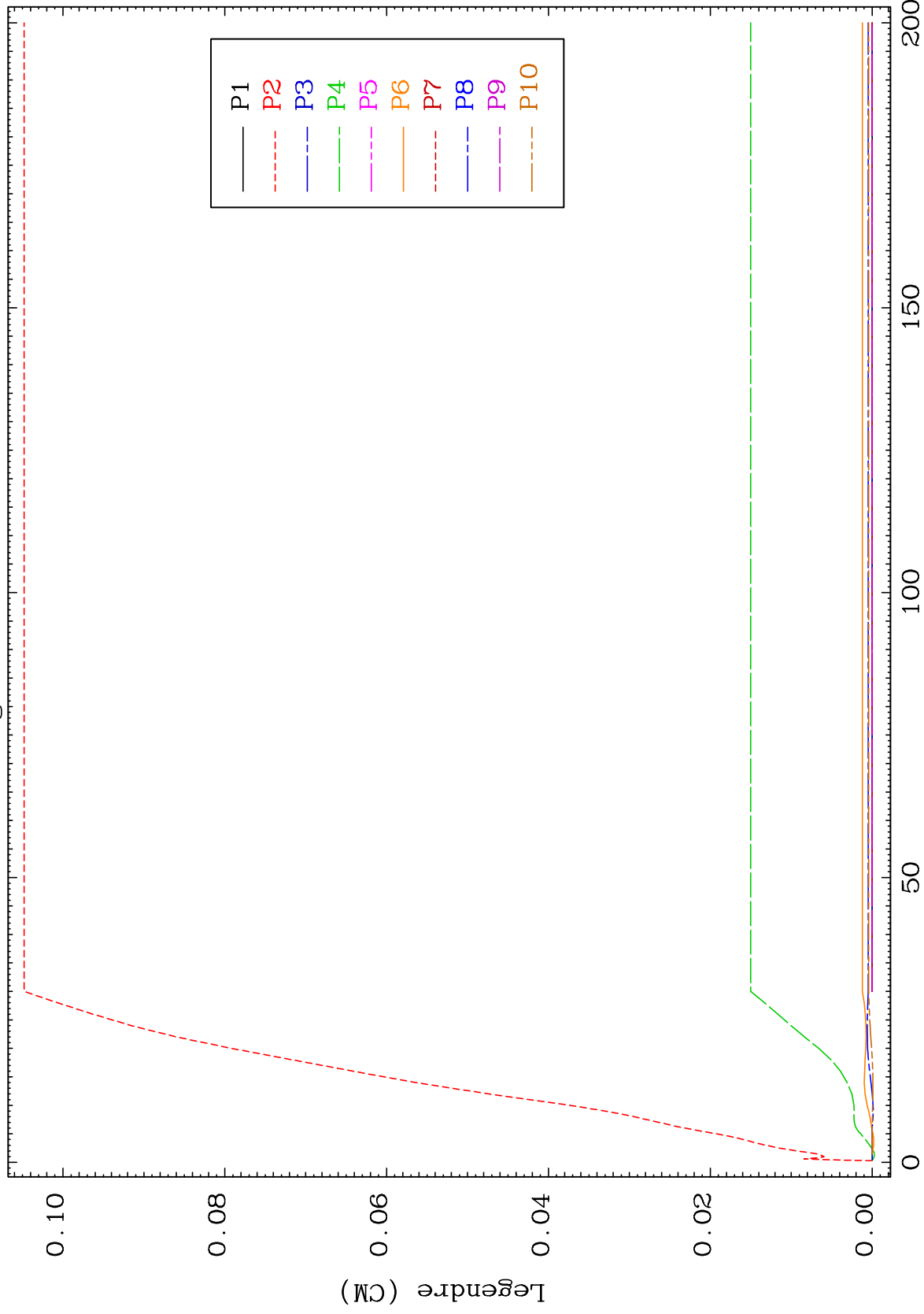
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



68-Er-167

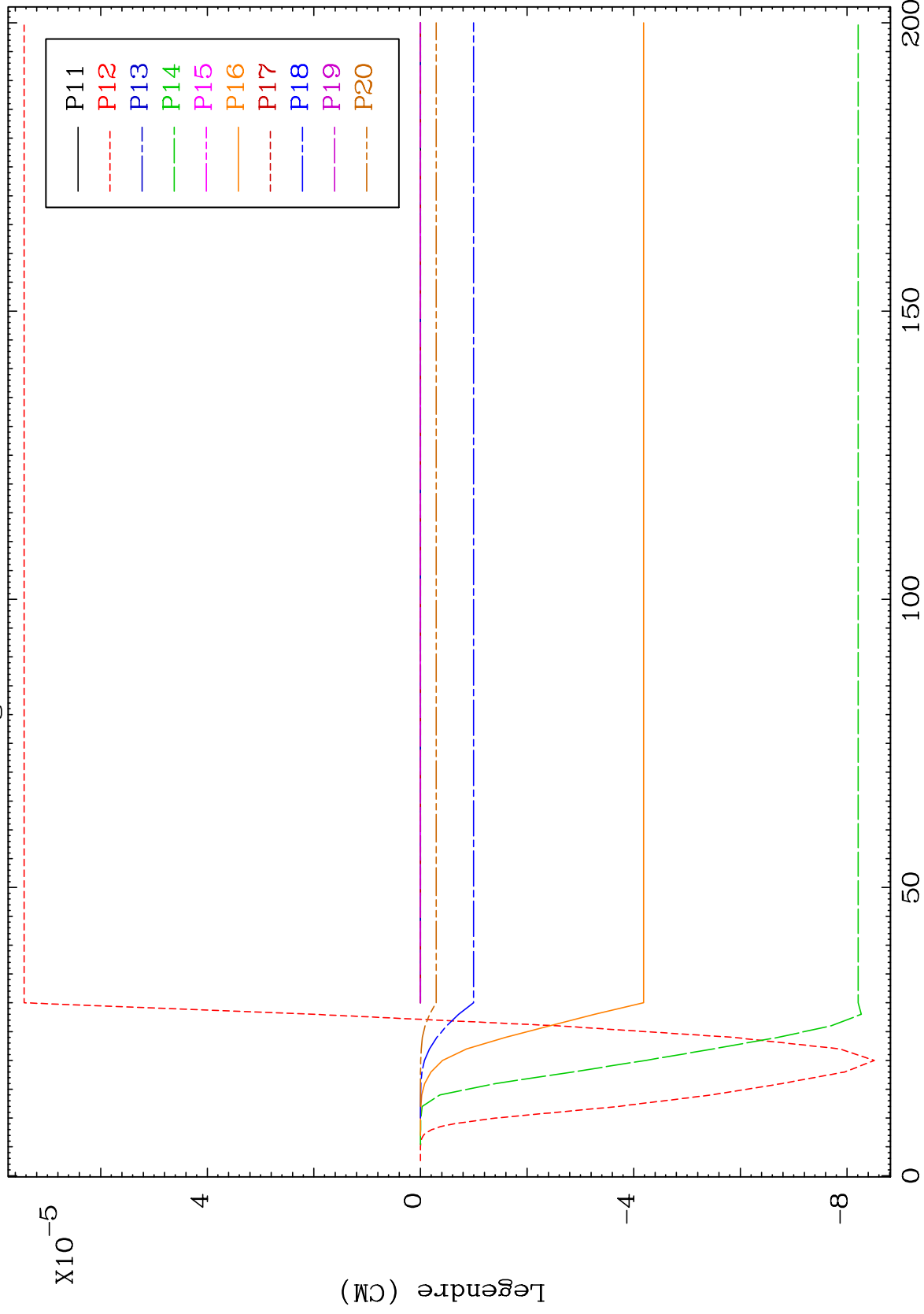
Incident Energy (MeV)

35

MAT 6840

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

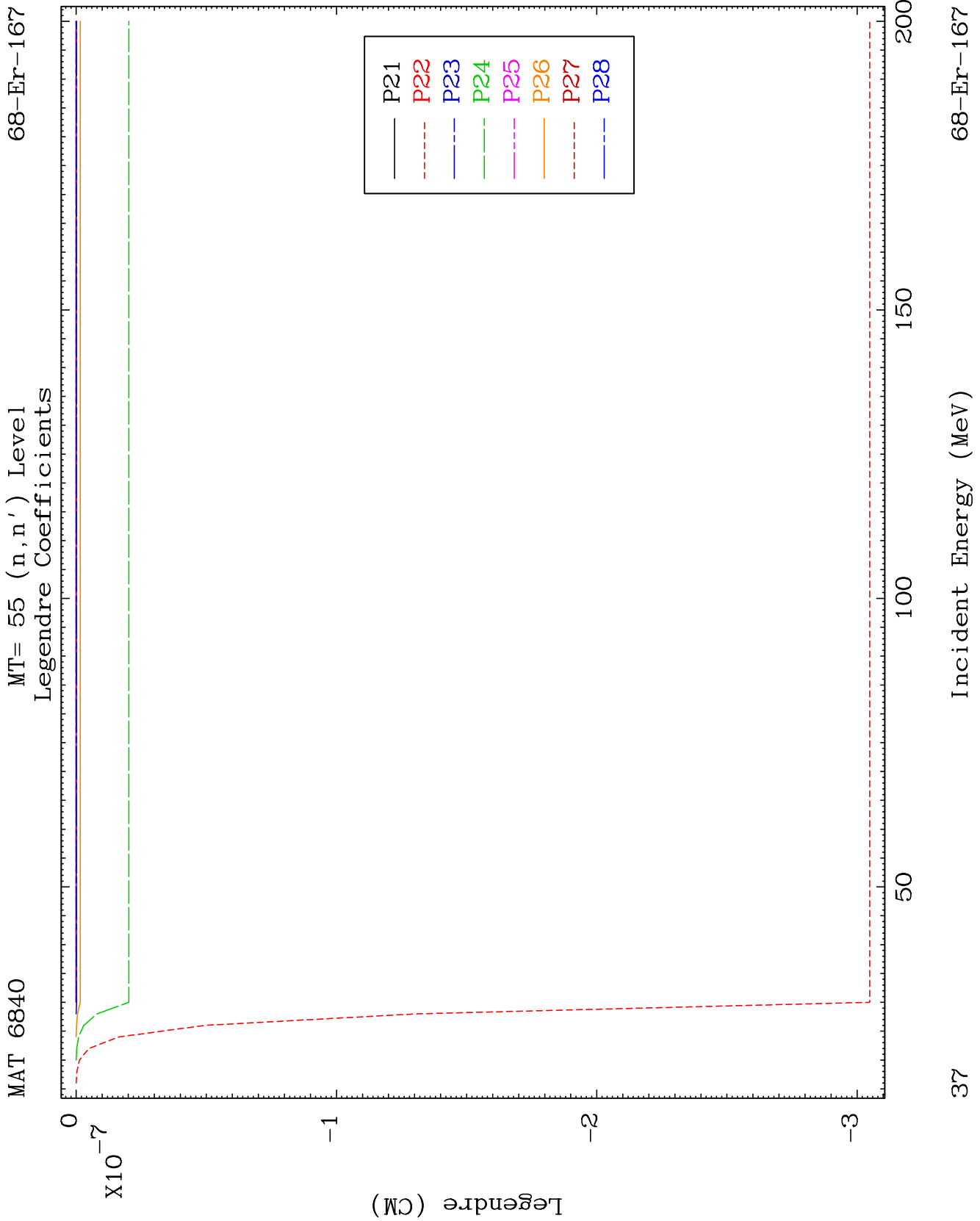
68-Er-167



36

Incident Energy (MeV)

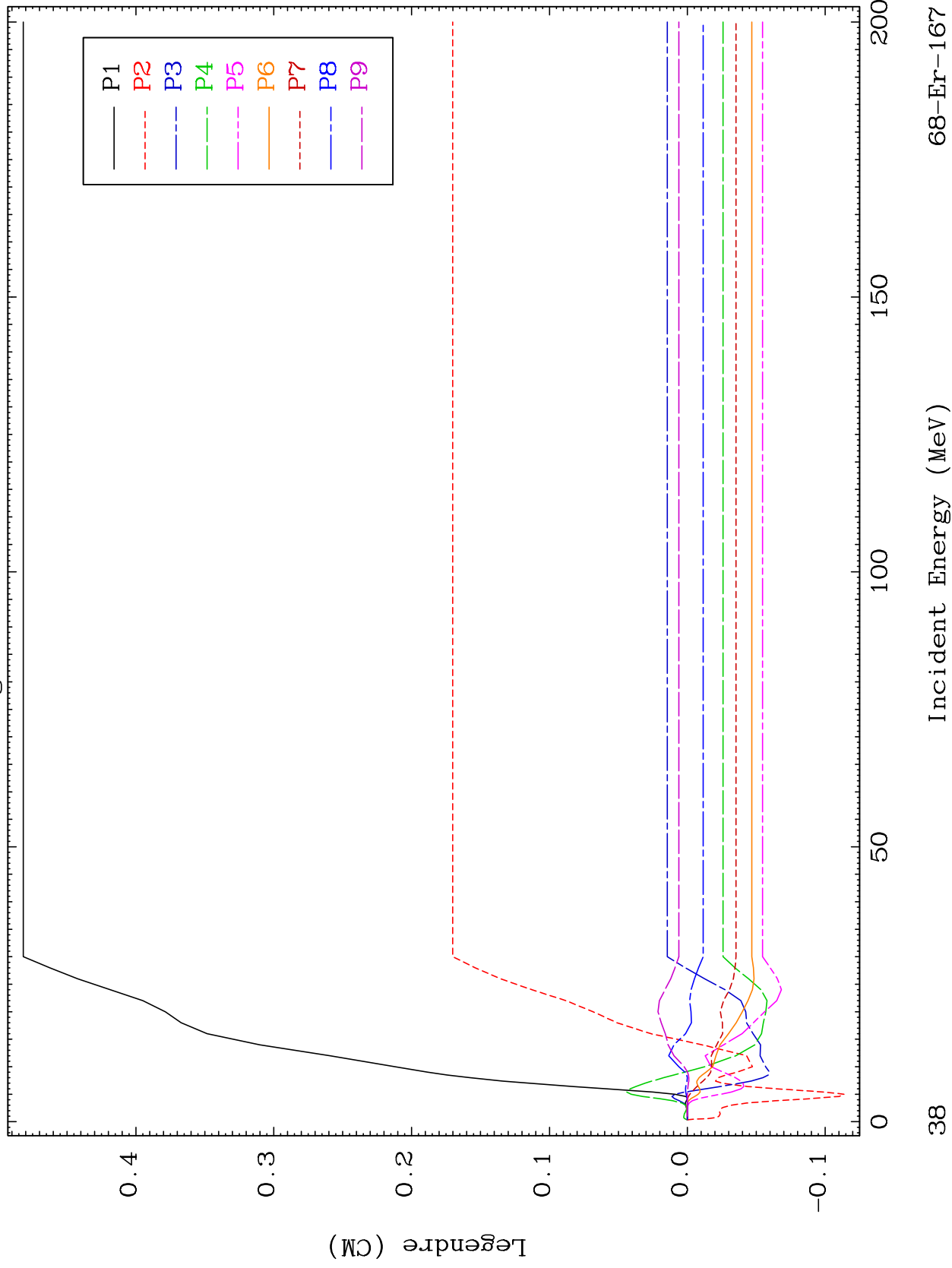
68-Er-167



MAT 6840

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

68-Er-167



68-Er-167

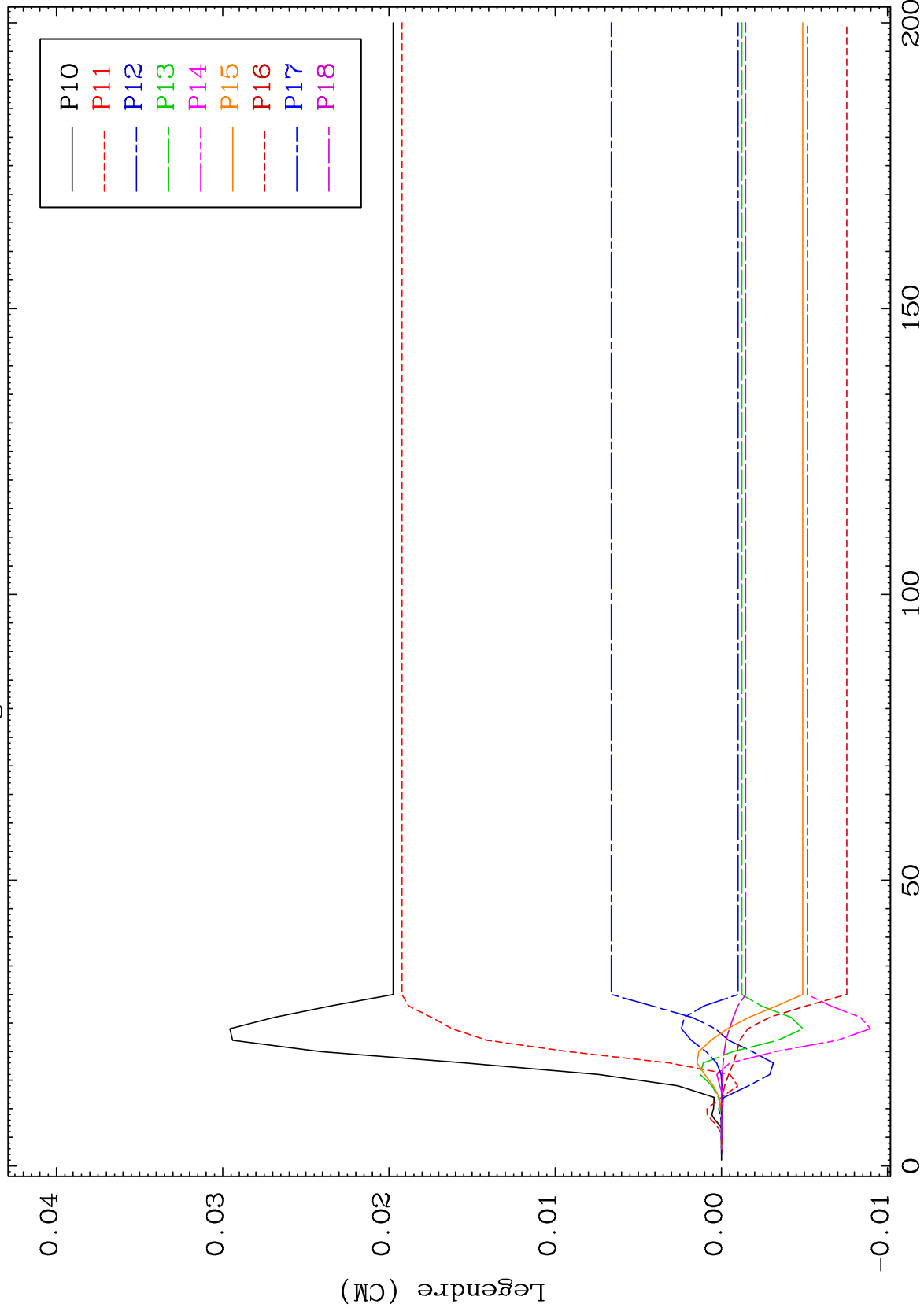
Incident Energy (MeV)

38

MAT 6840

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

68-Er-167



39

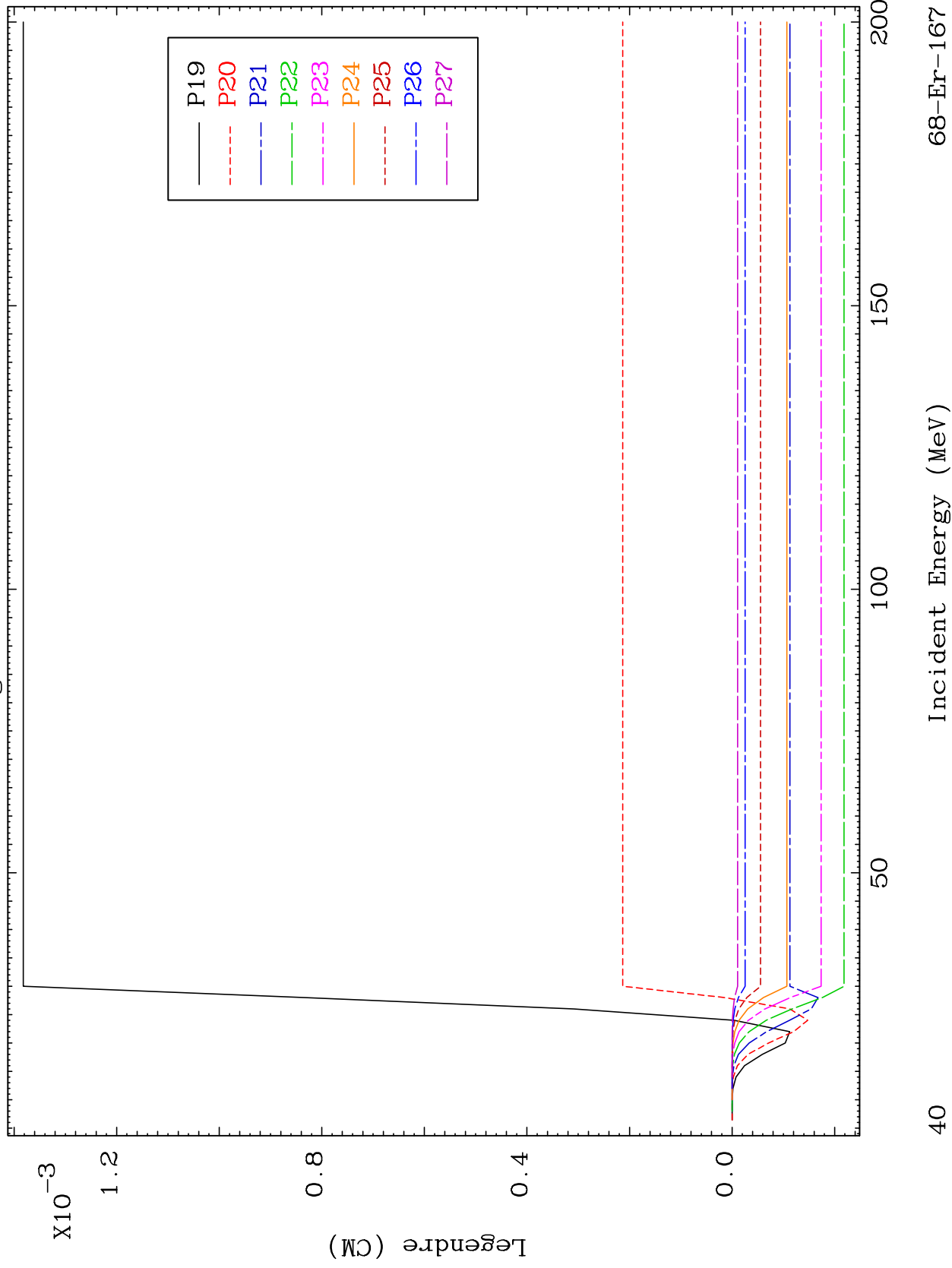
Incident Energy (MeV)

68-Er-167

MAT 6840

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

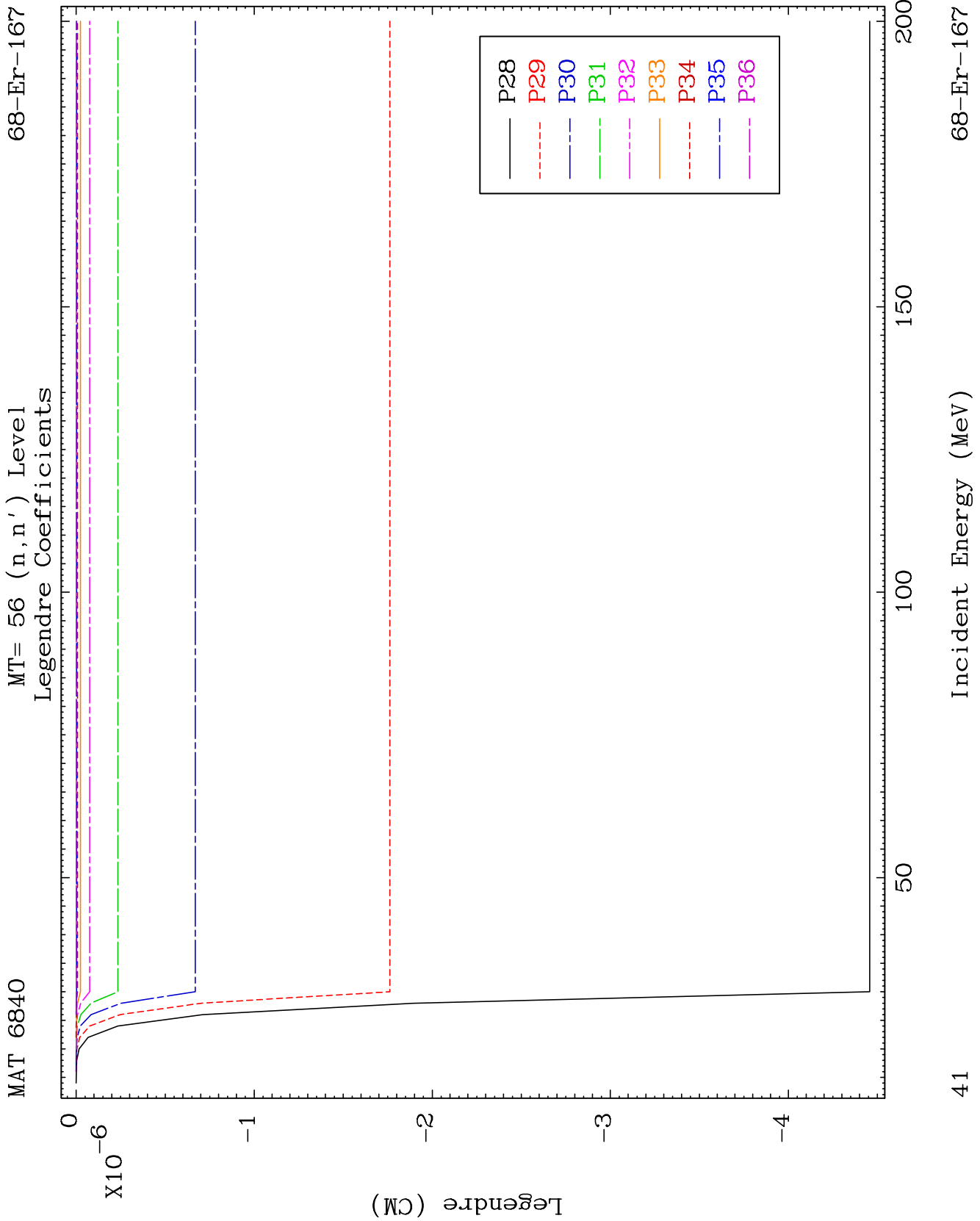
68-Er-167



68-Er-167

Incident Energy (MeV)

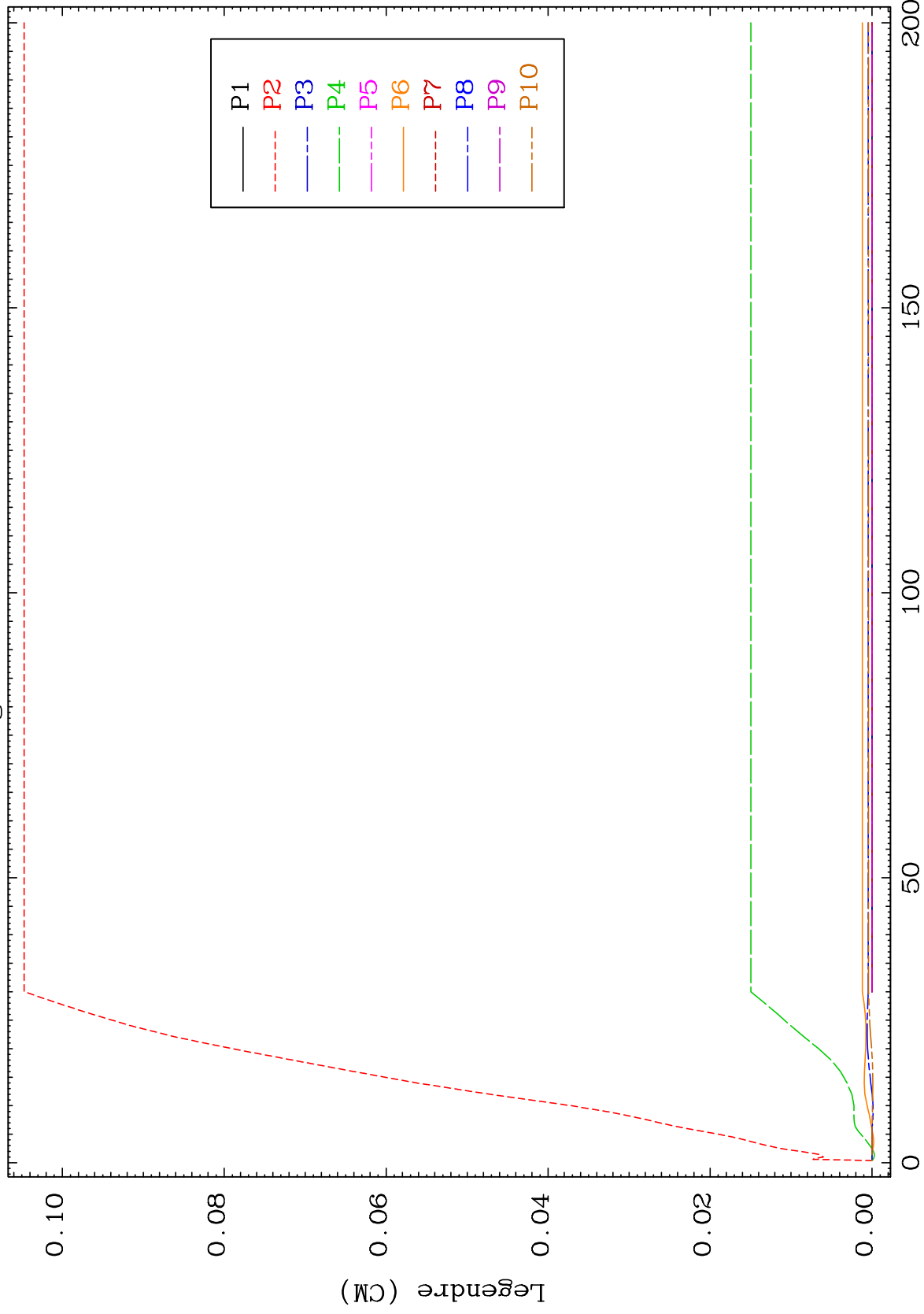
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MAT 6840

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

68-Er-167



42

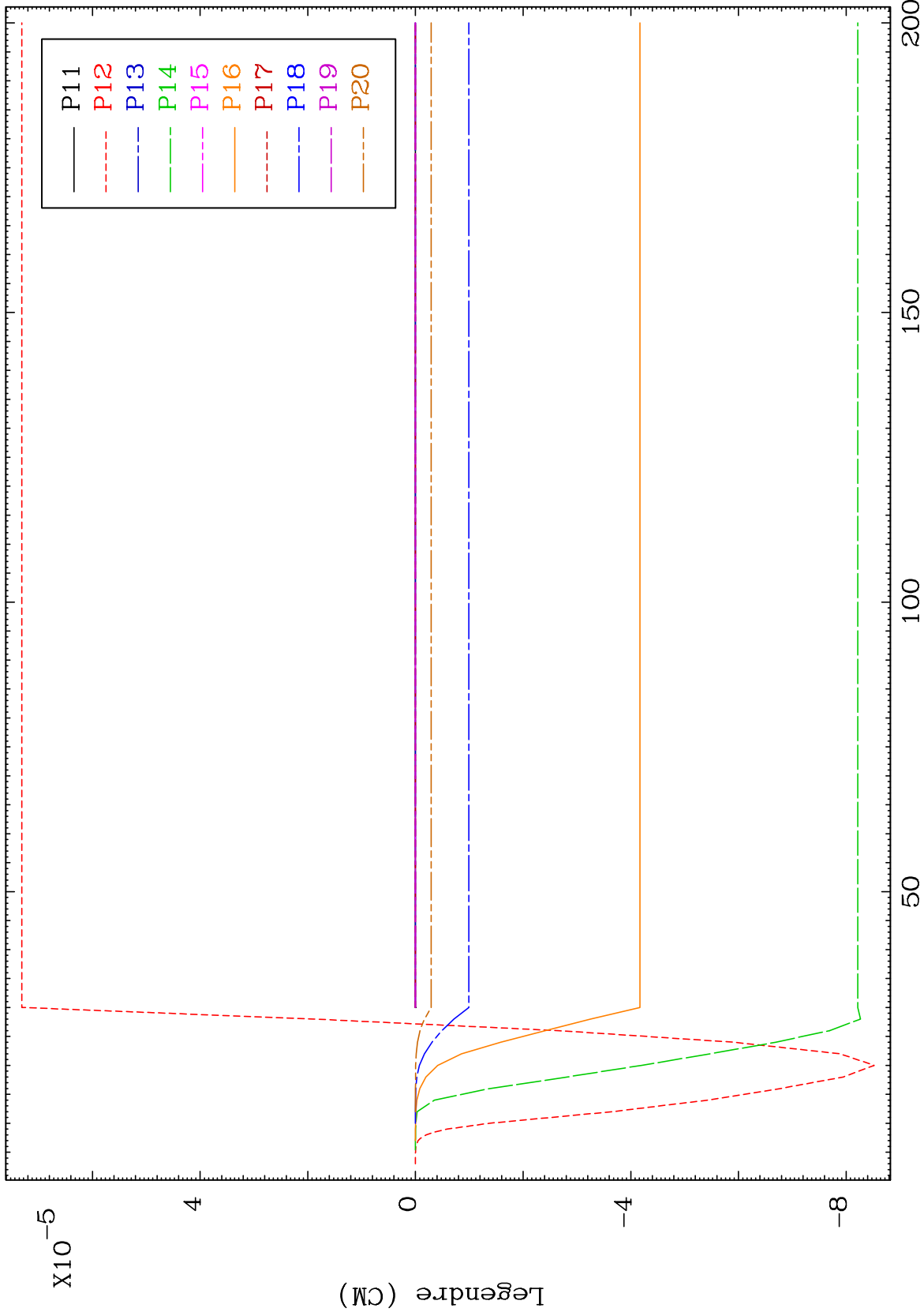
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



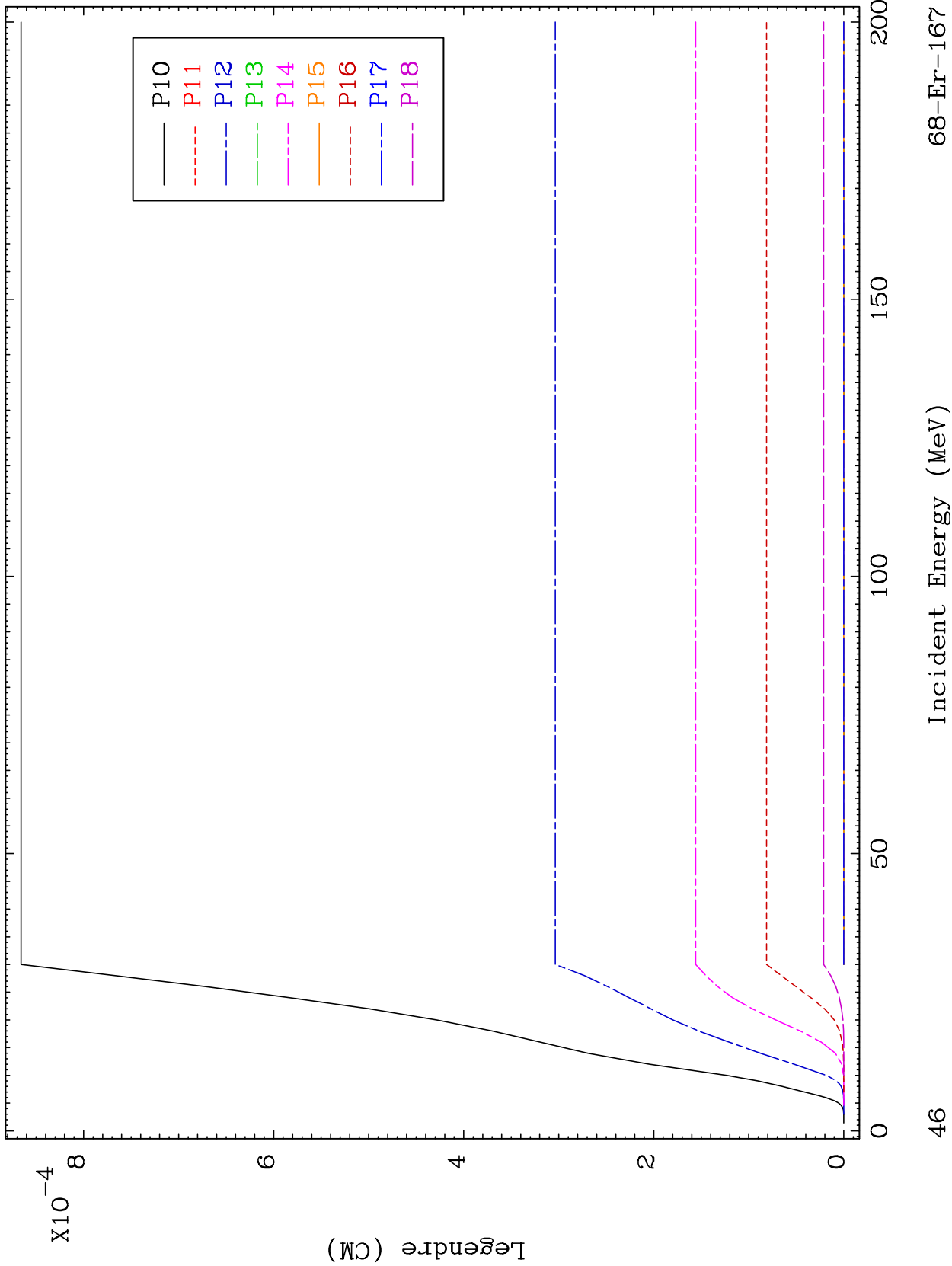
43

68-Er-167

MAT 6840

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

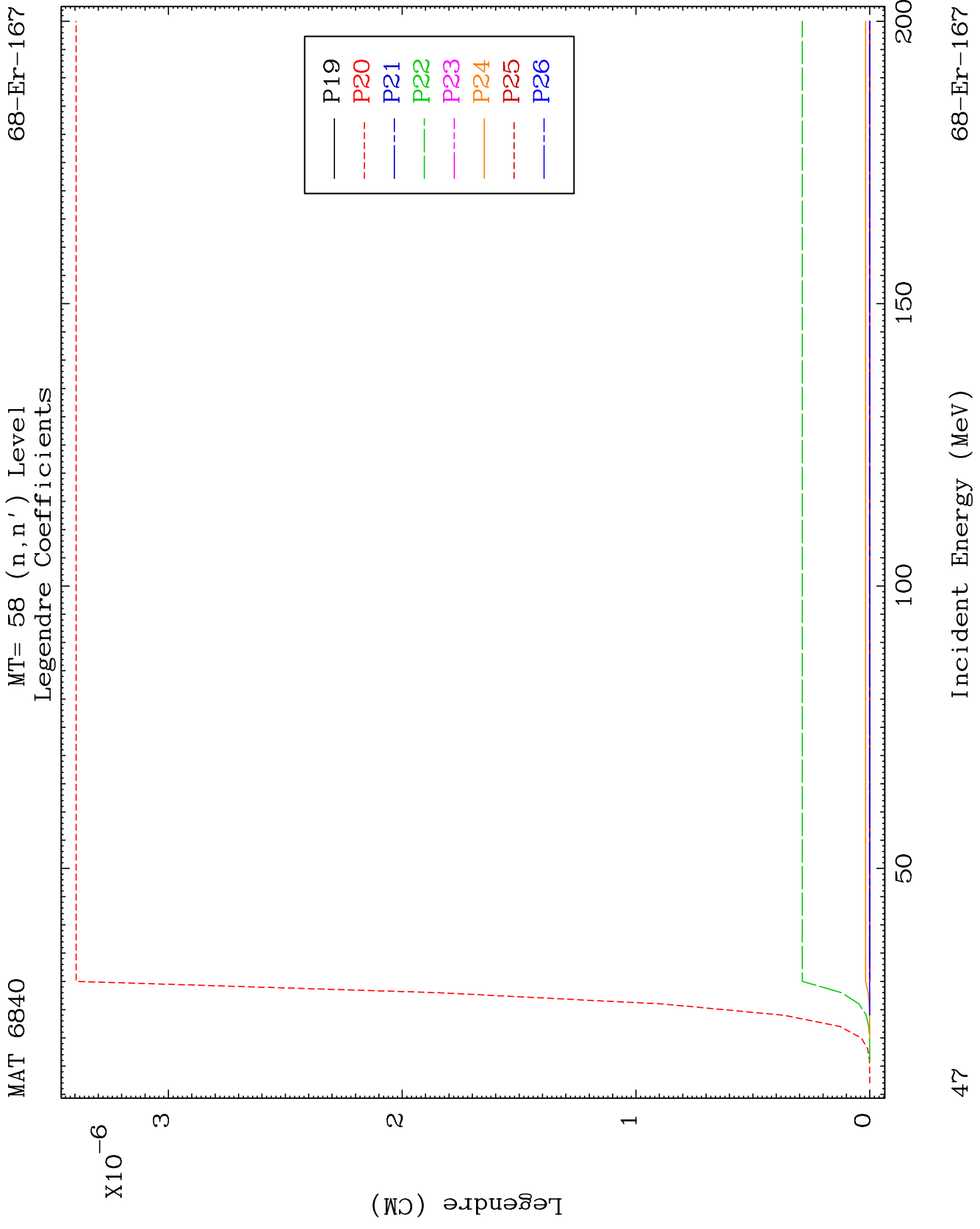
68-Er-167



68-Er-167

Incident Energy (MeV)

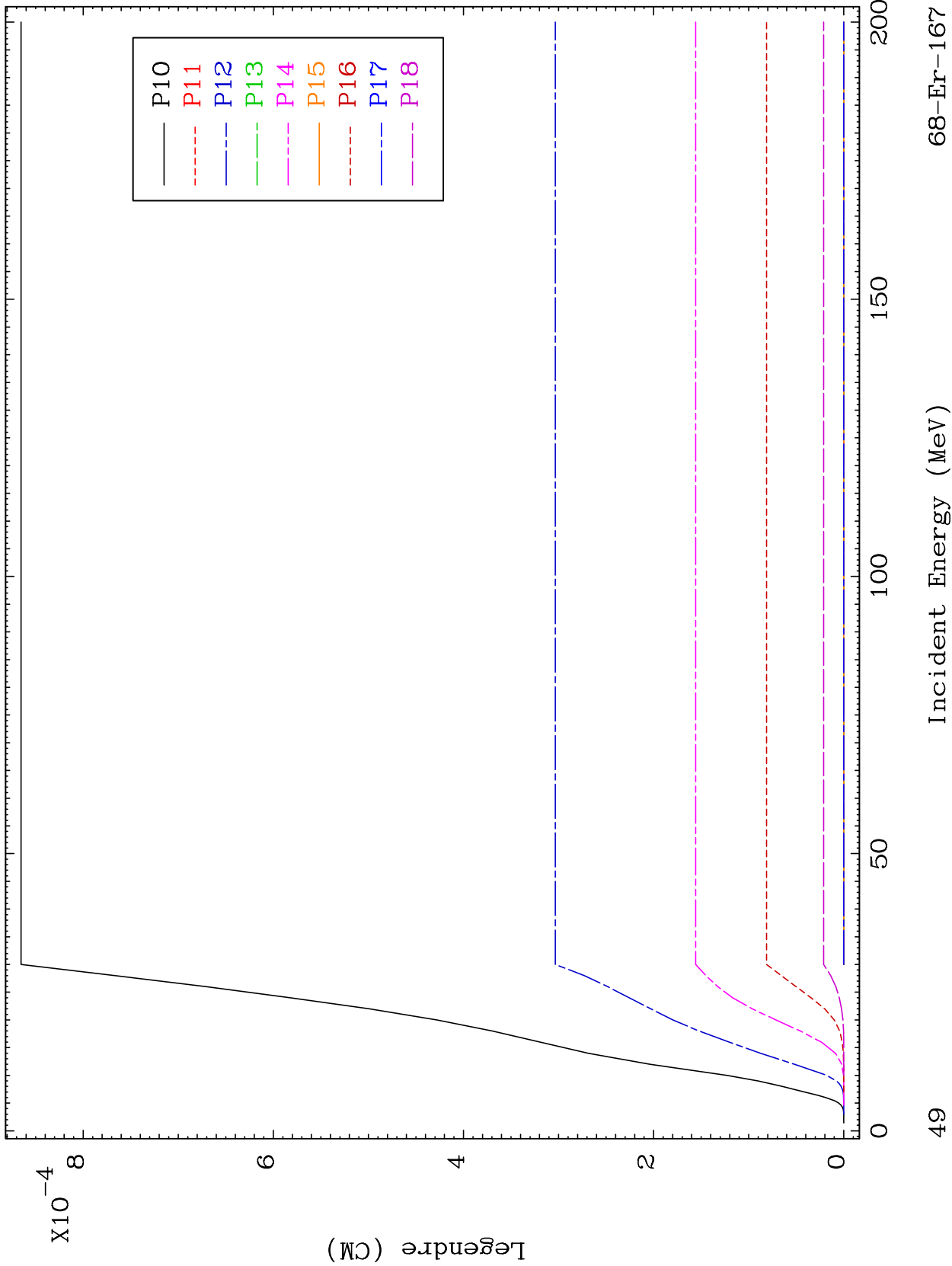
46



MAT 6840

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

68-Er-167



68-Er-167

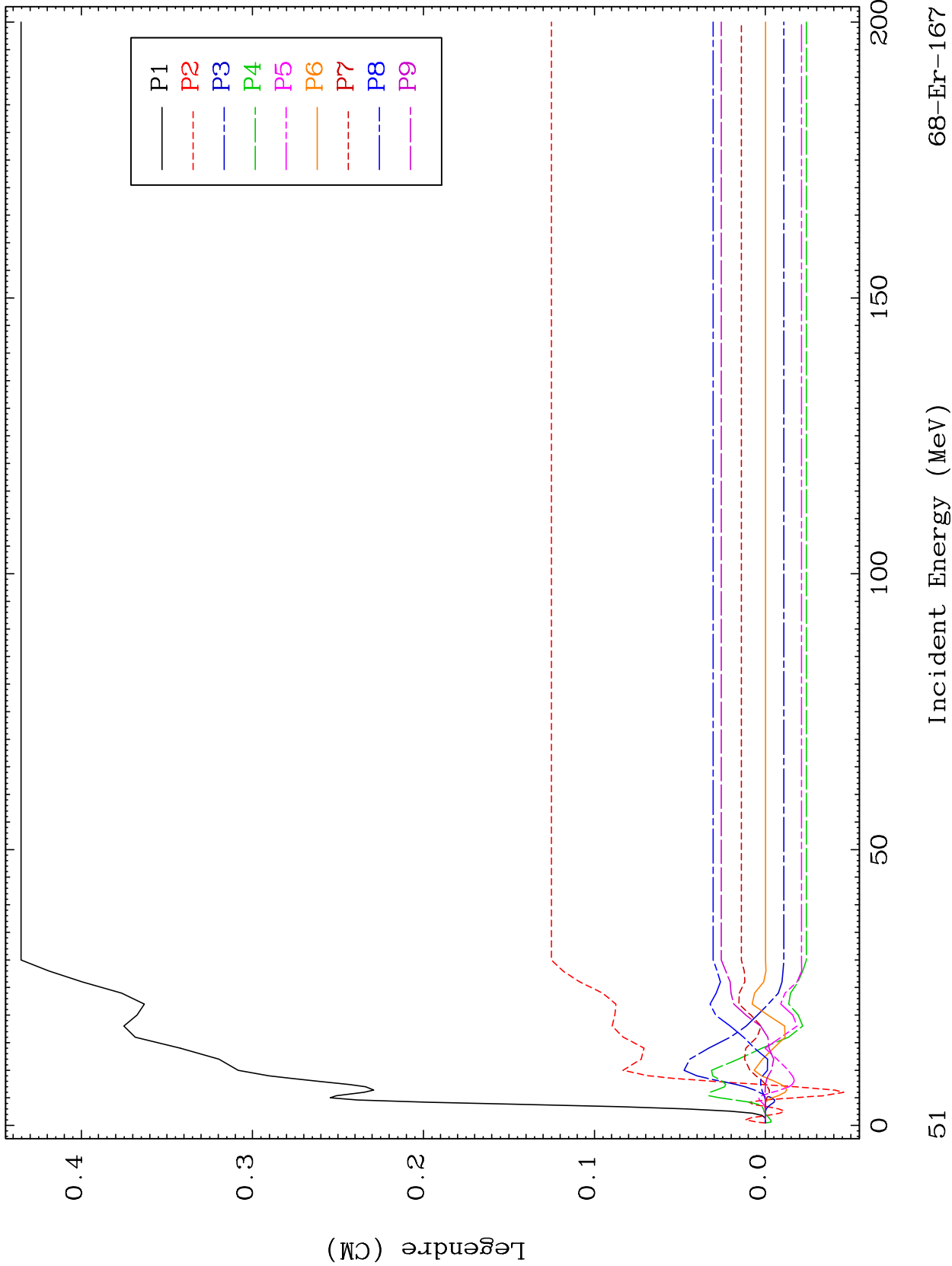
Incident Energy (MeV)

49

MAT 6840

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

68-Er-167



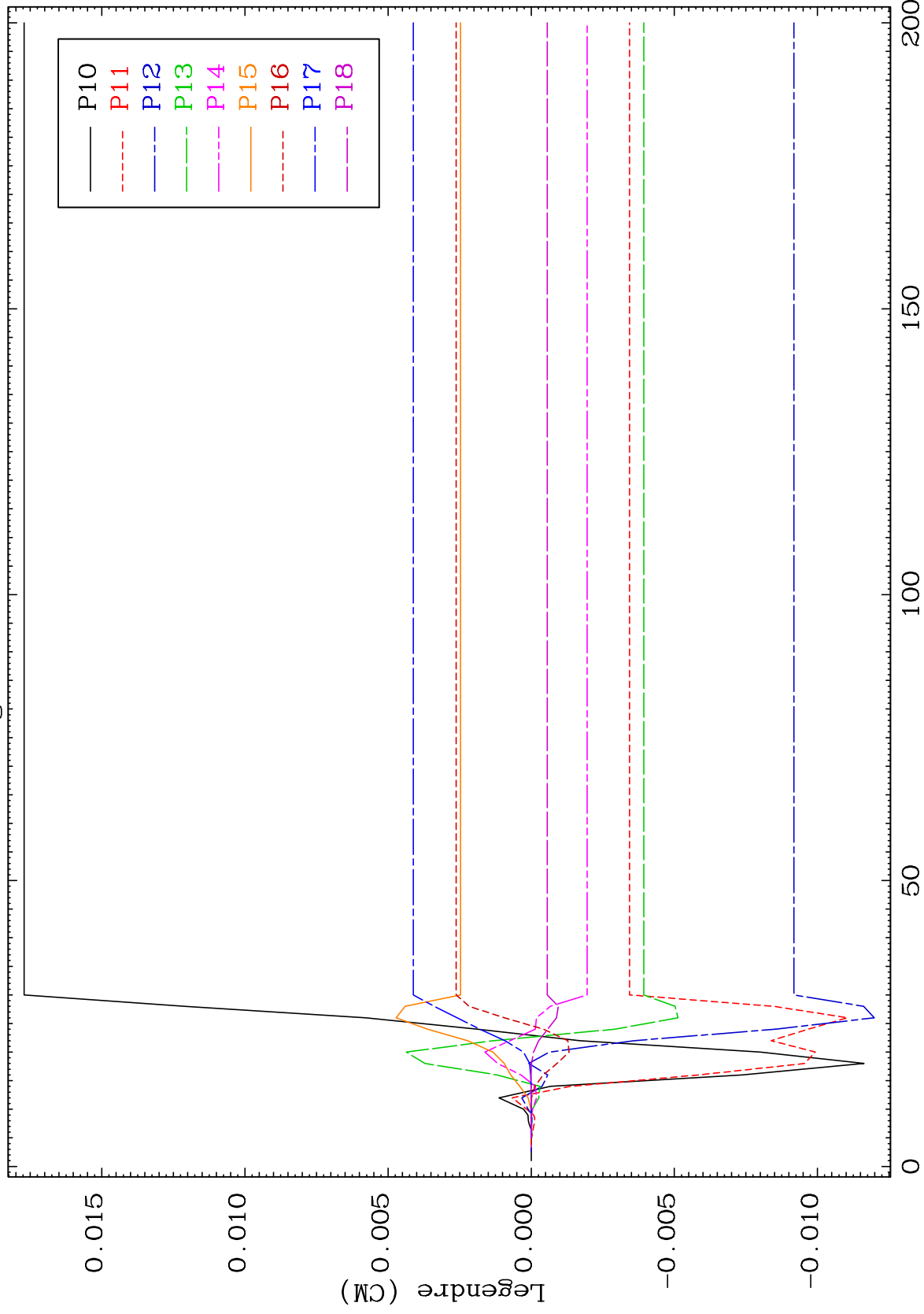
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68-Er-167

MAT 6840

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

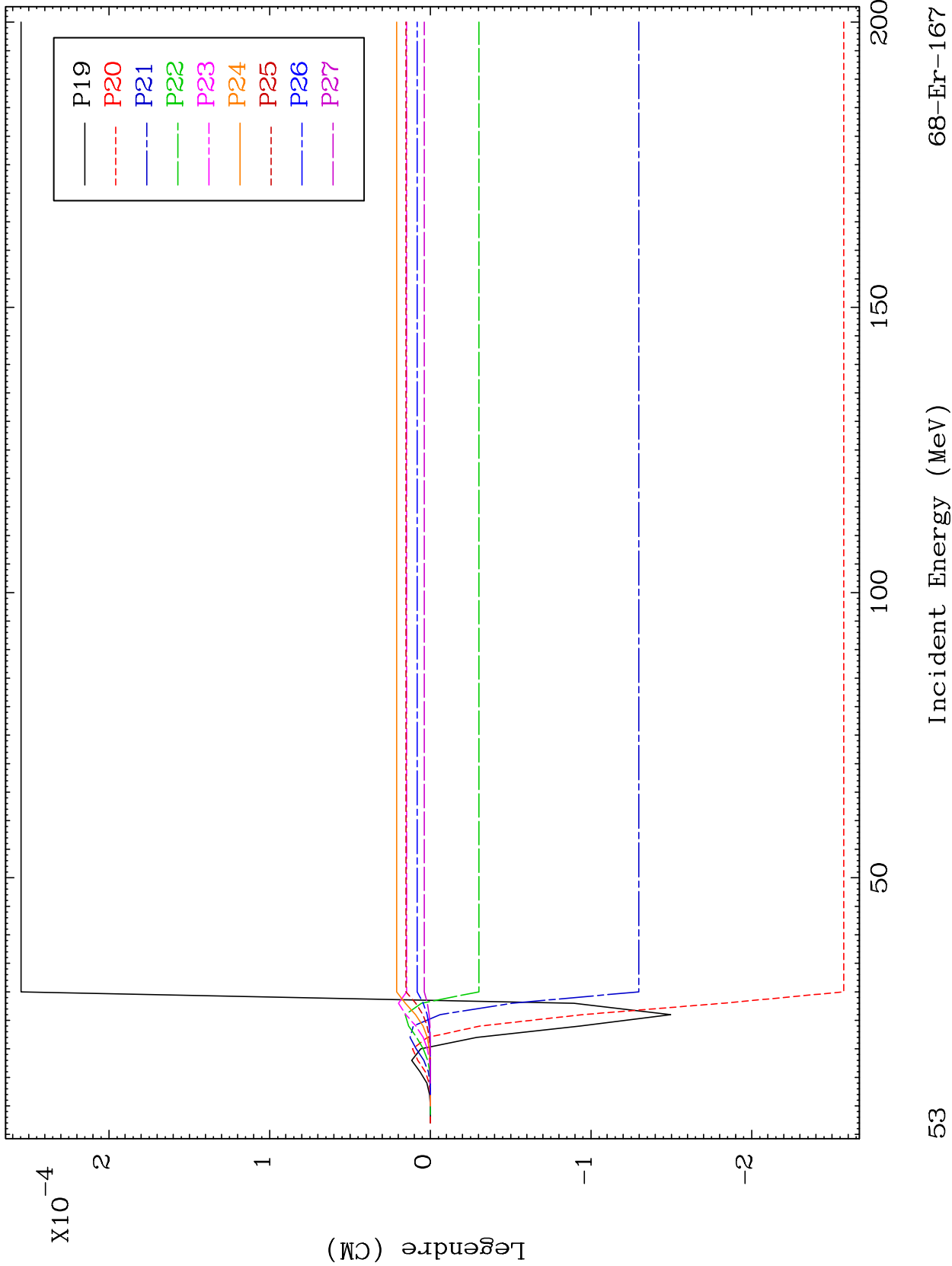
68-Er-167



52

Incident Energy (MeV)

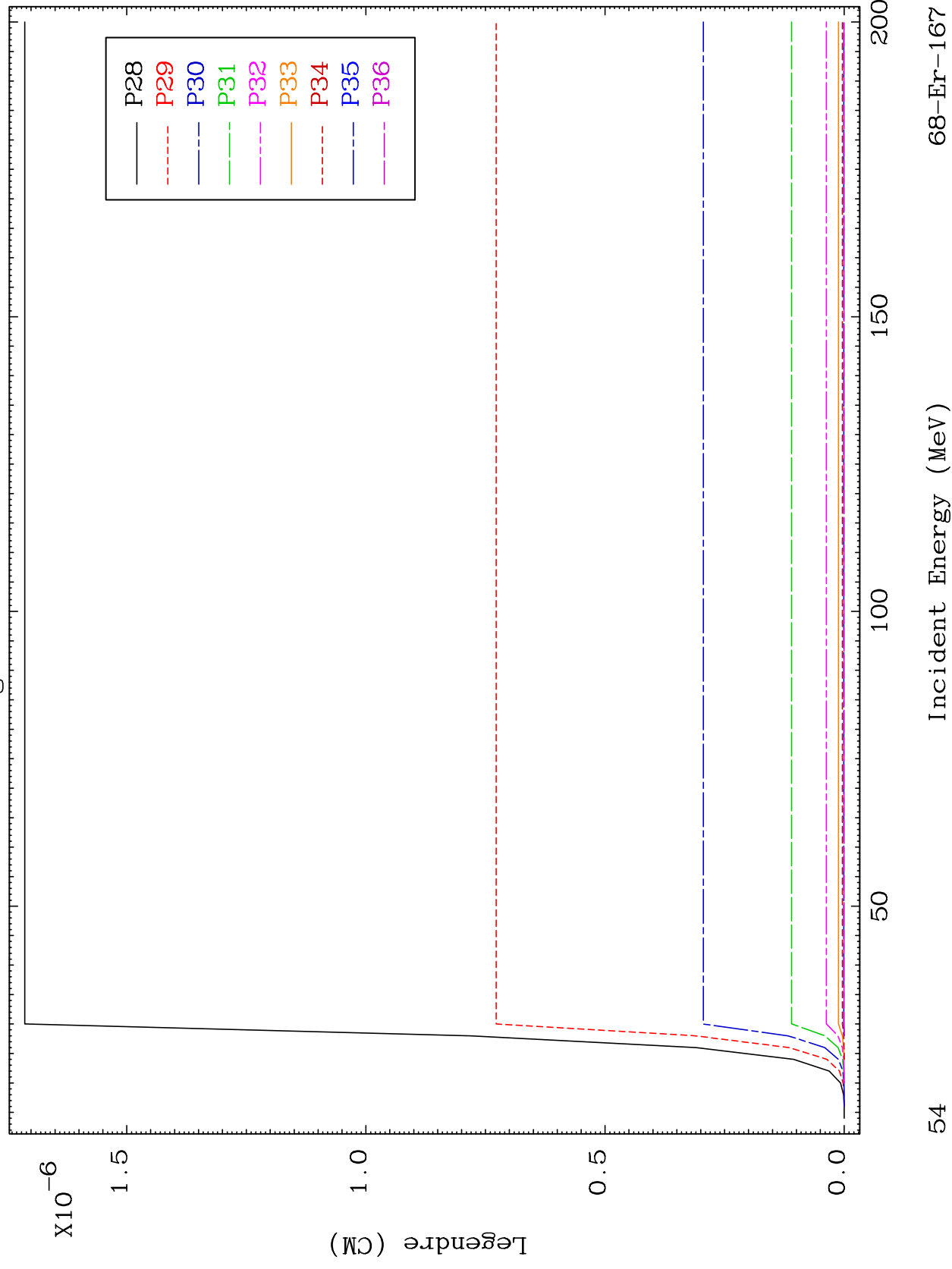
68-Er-167



MAT 6840

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

68-Er-167



54

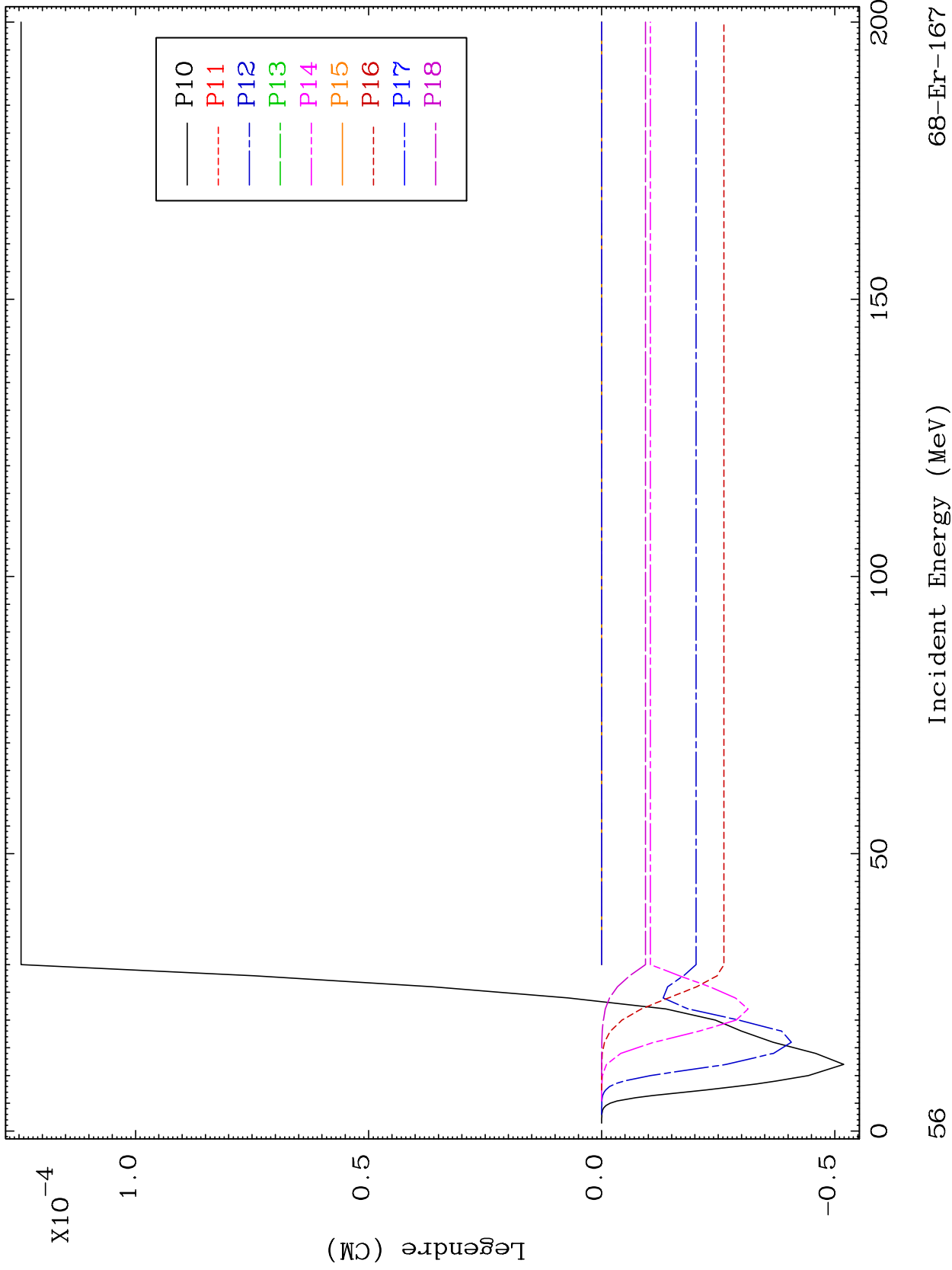
Incident Energy (MeV)

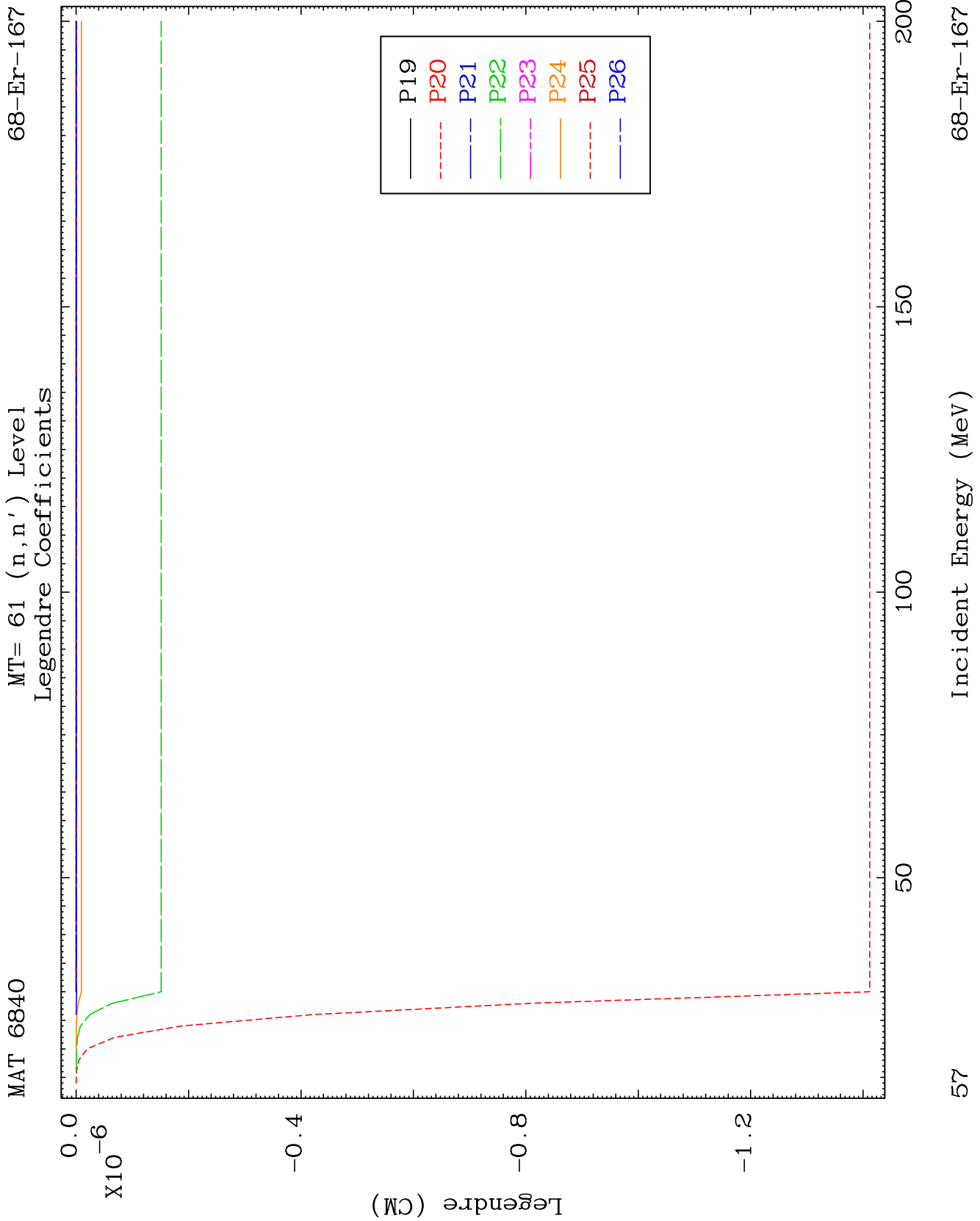
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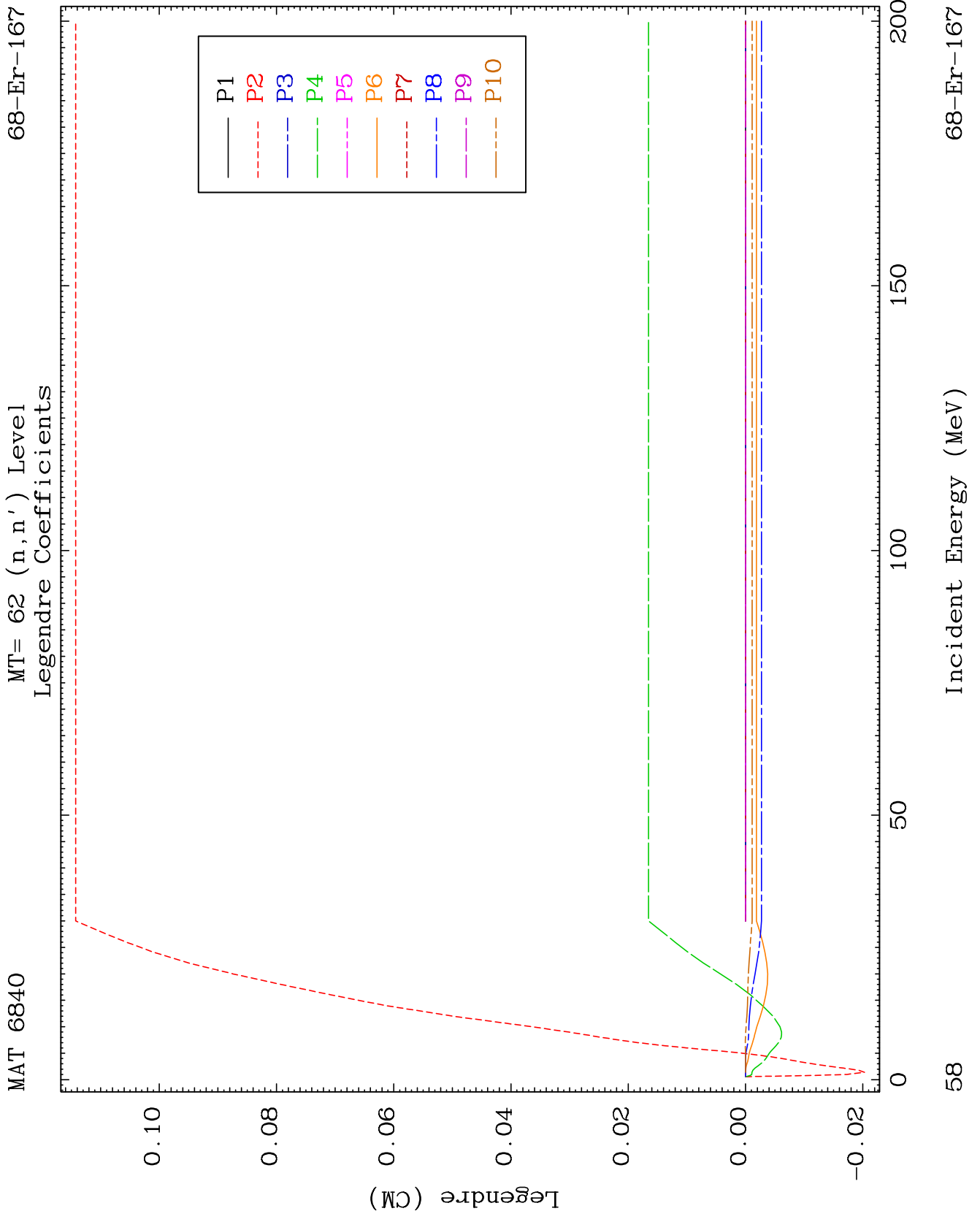
MAT 6840

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

68-Er-167



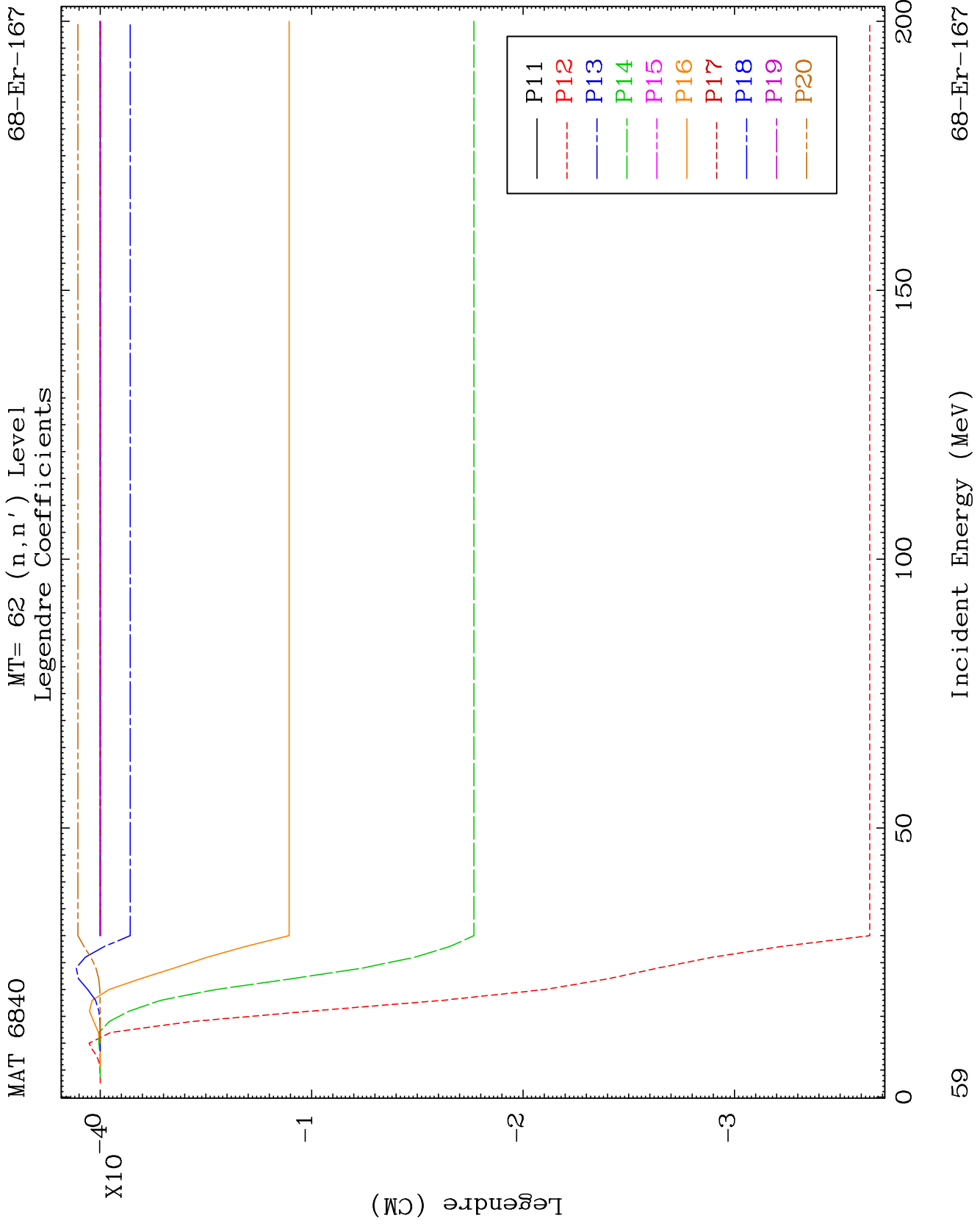


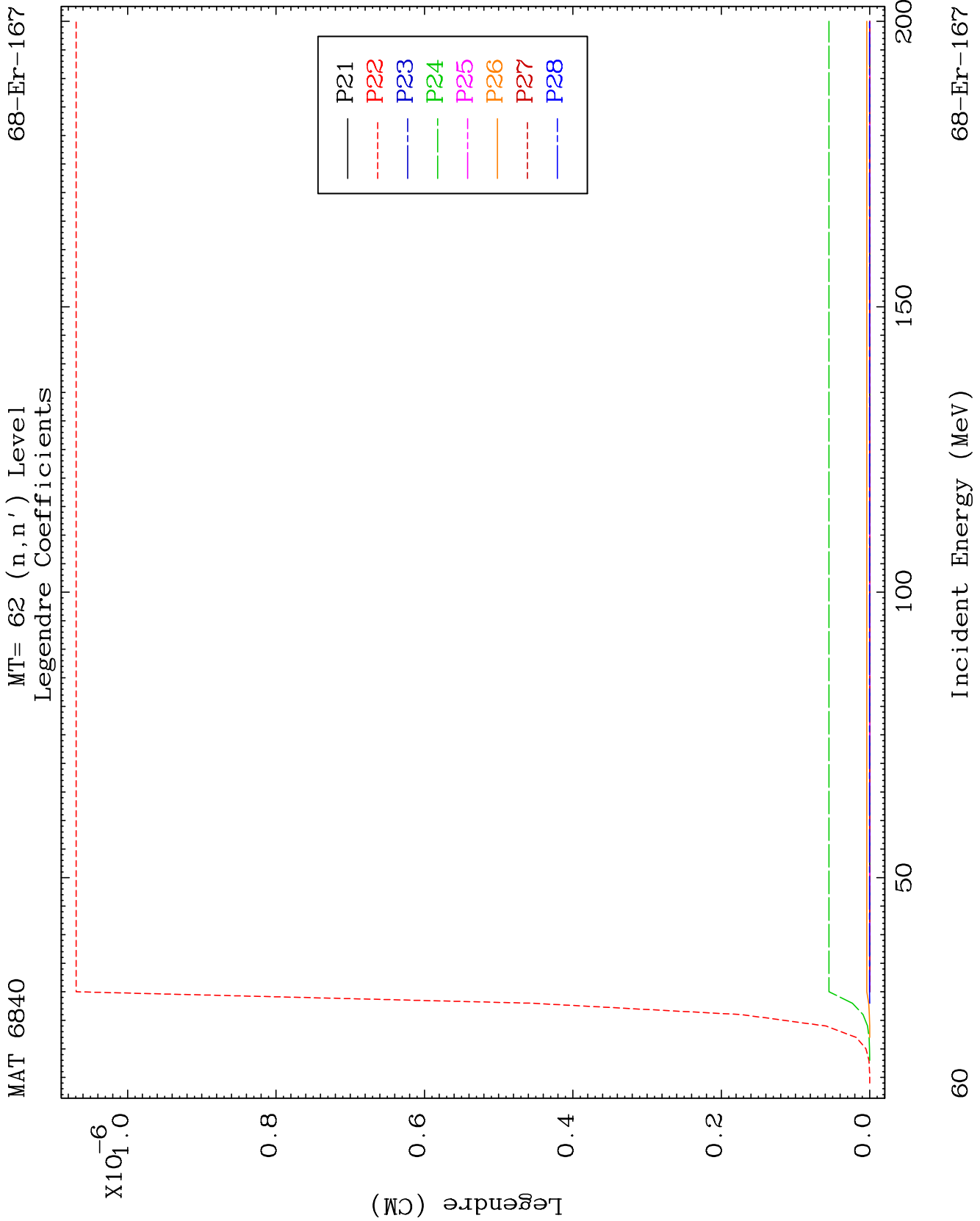


68-Er-167

Incident Energy (MeV)

58

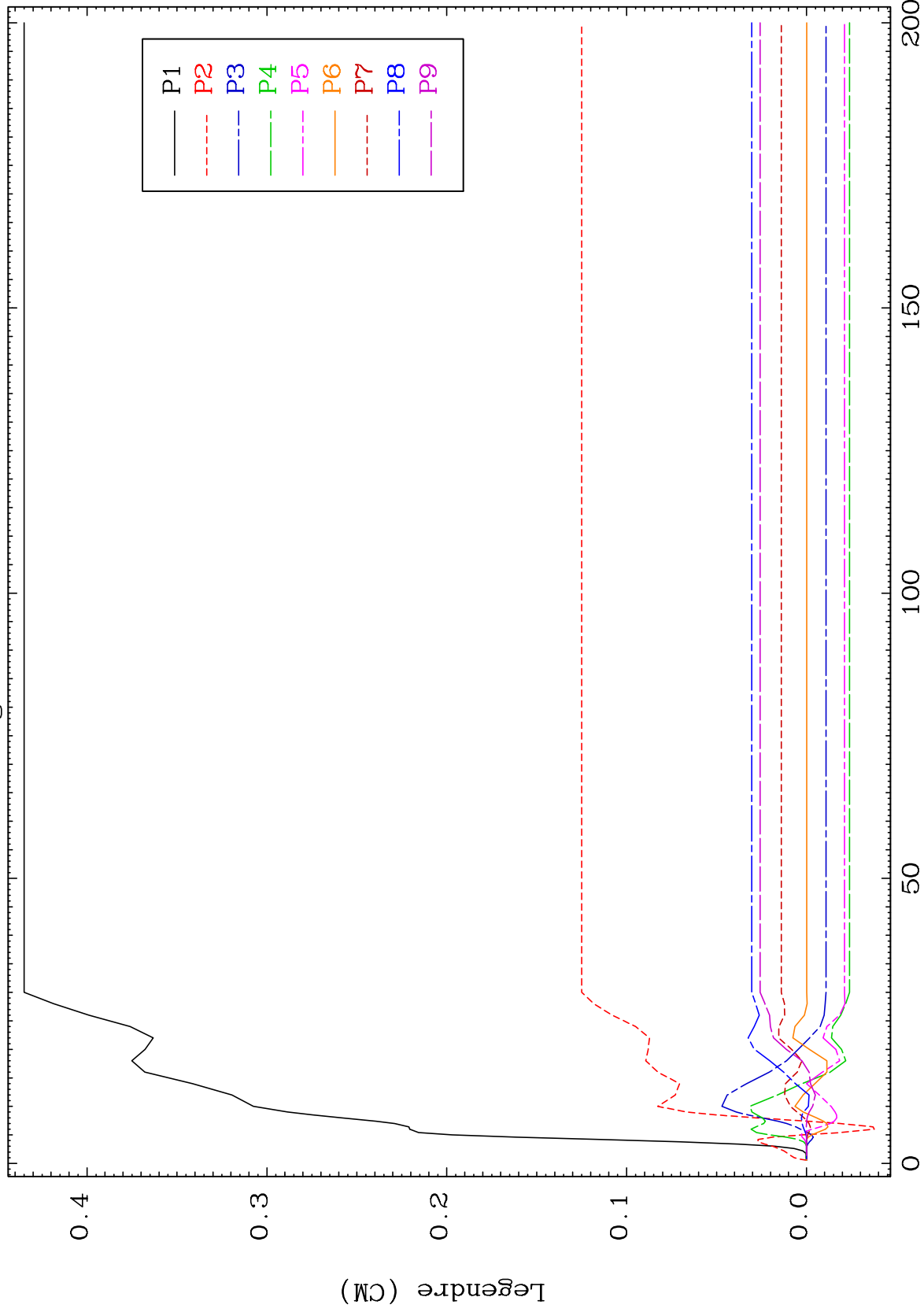




MAT 6840

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

68-Er-167



61

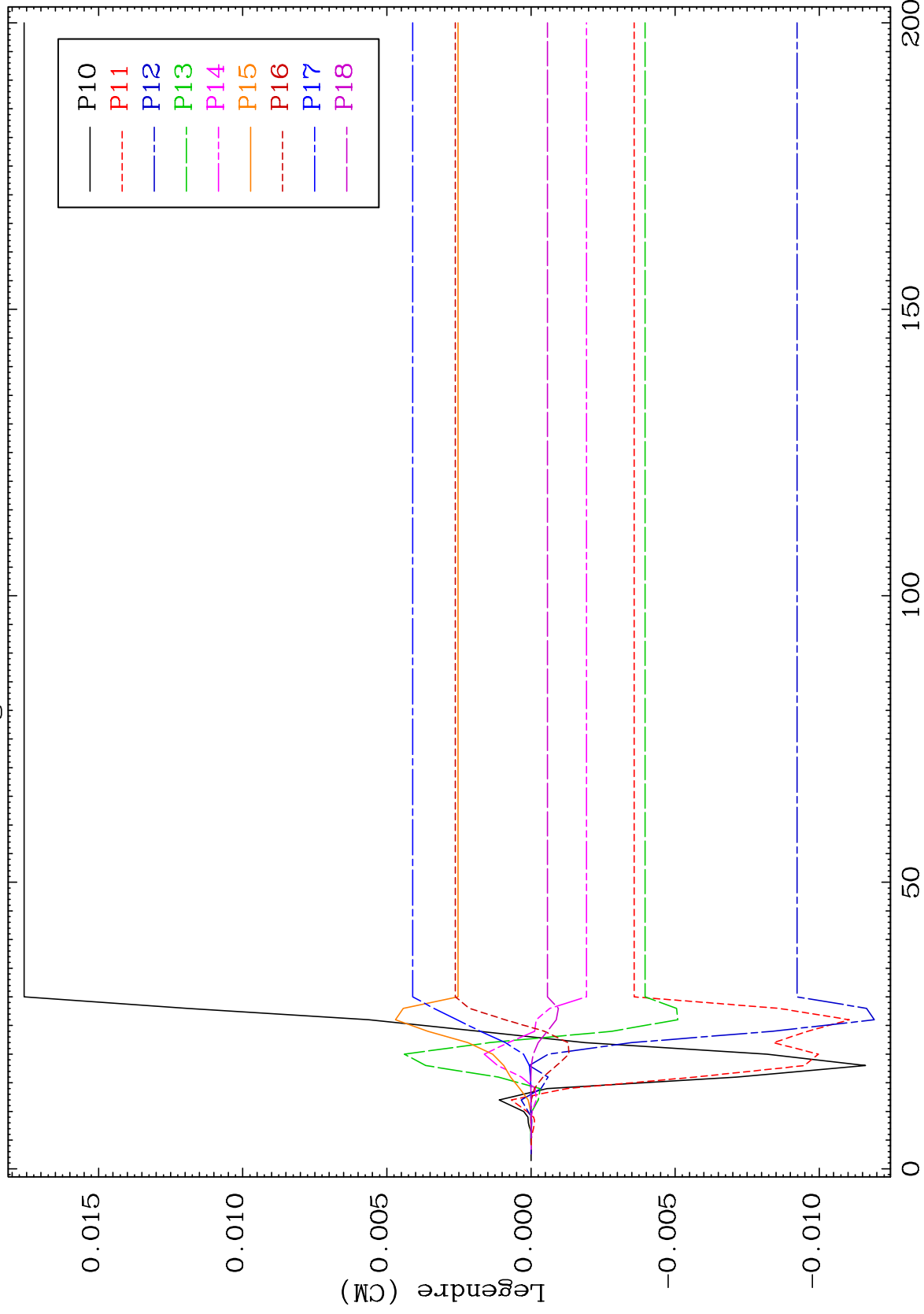
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



62

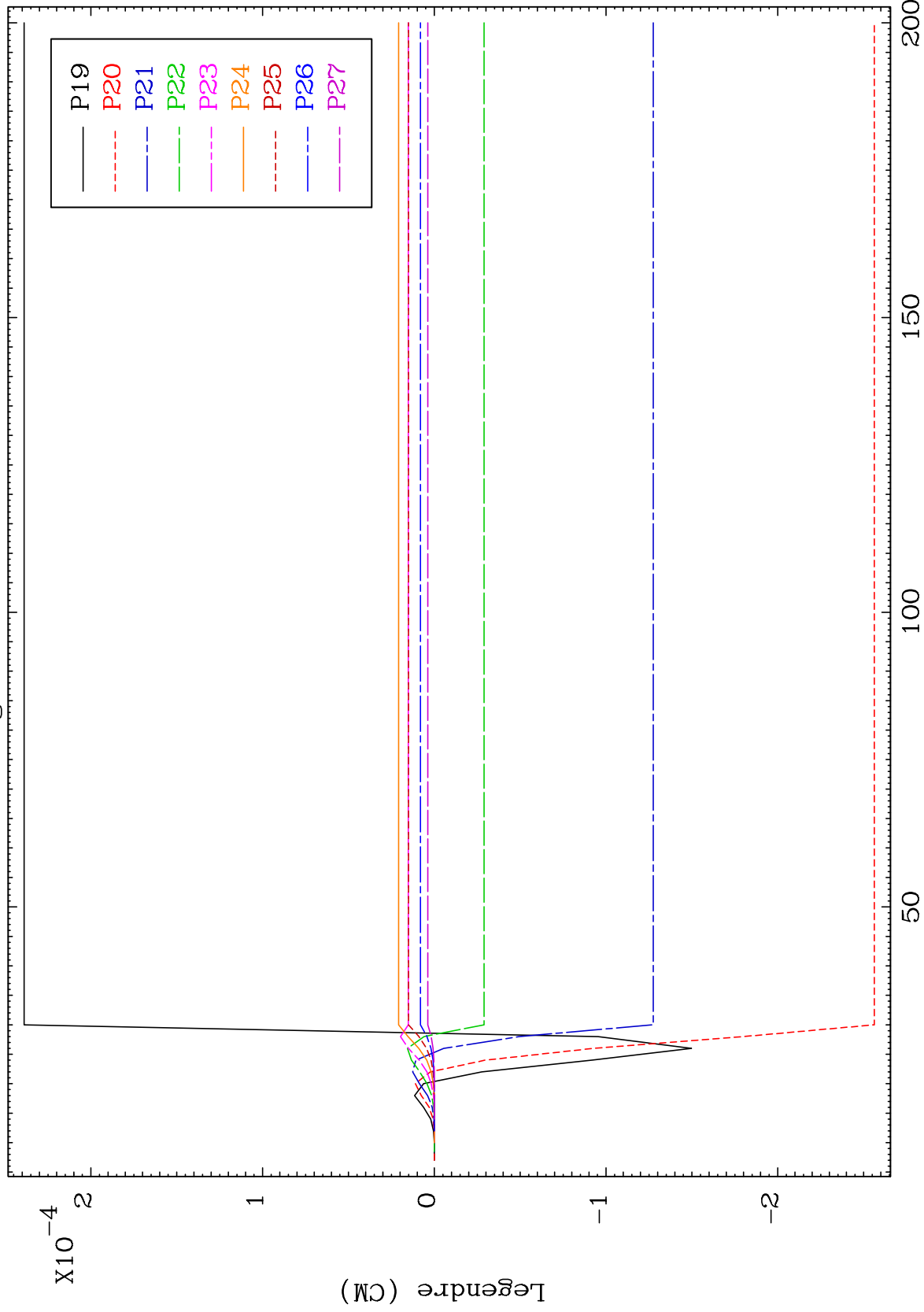
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



63

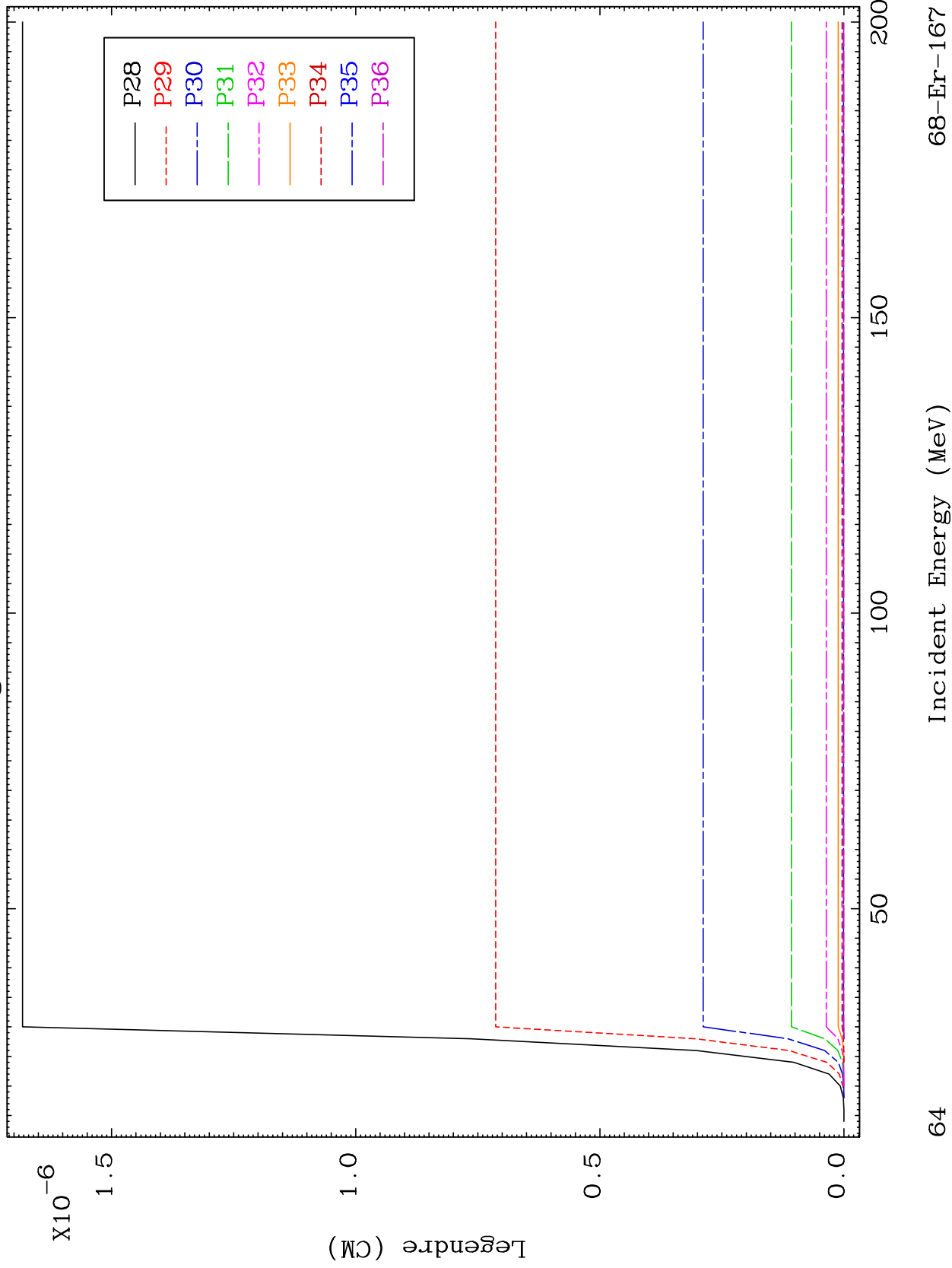
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



64

Incident Energy (MeV)

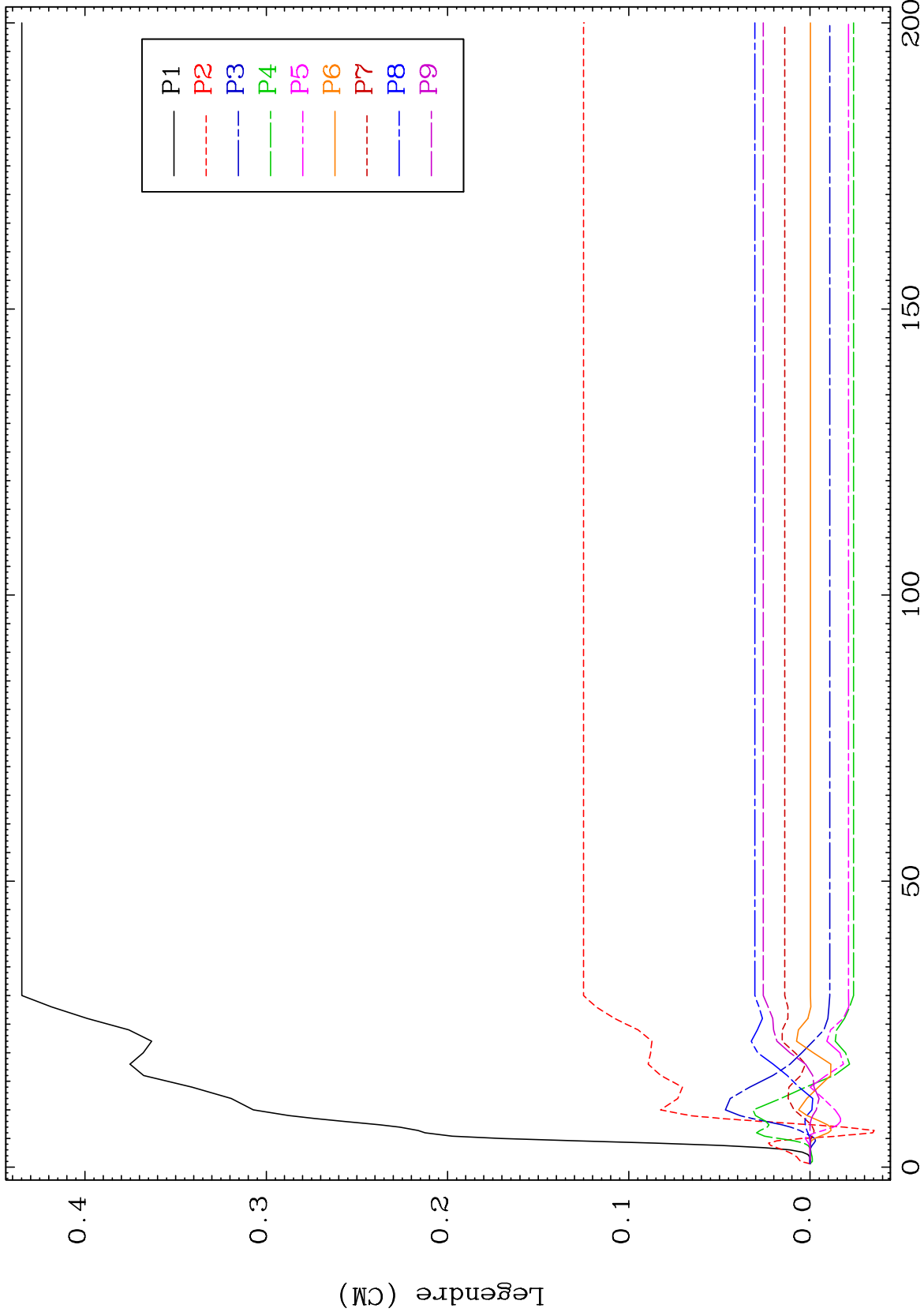
68-Er-167

MAT 6840

MT= 64 (n,n') Level

68-Er-167

Legendre Coefficients



65

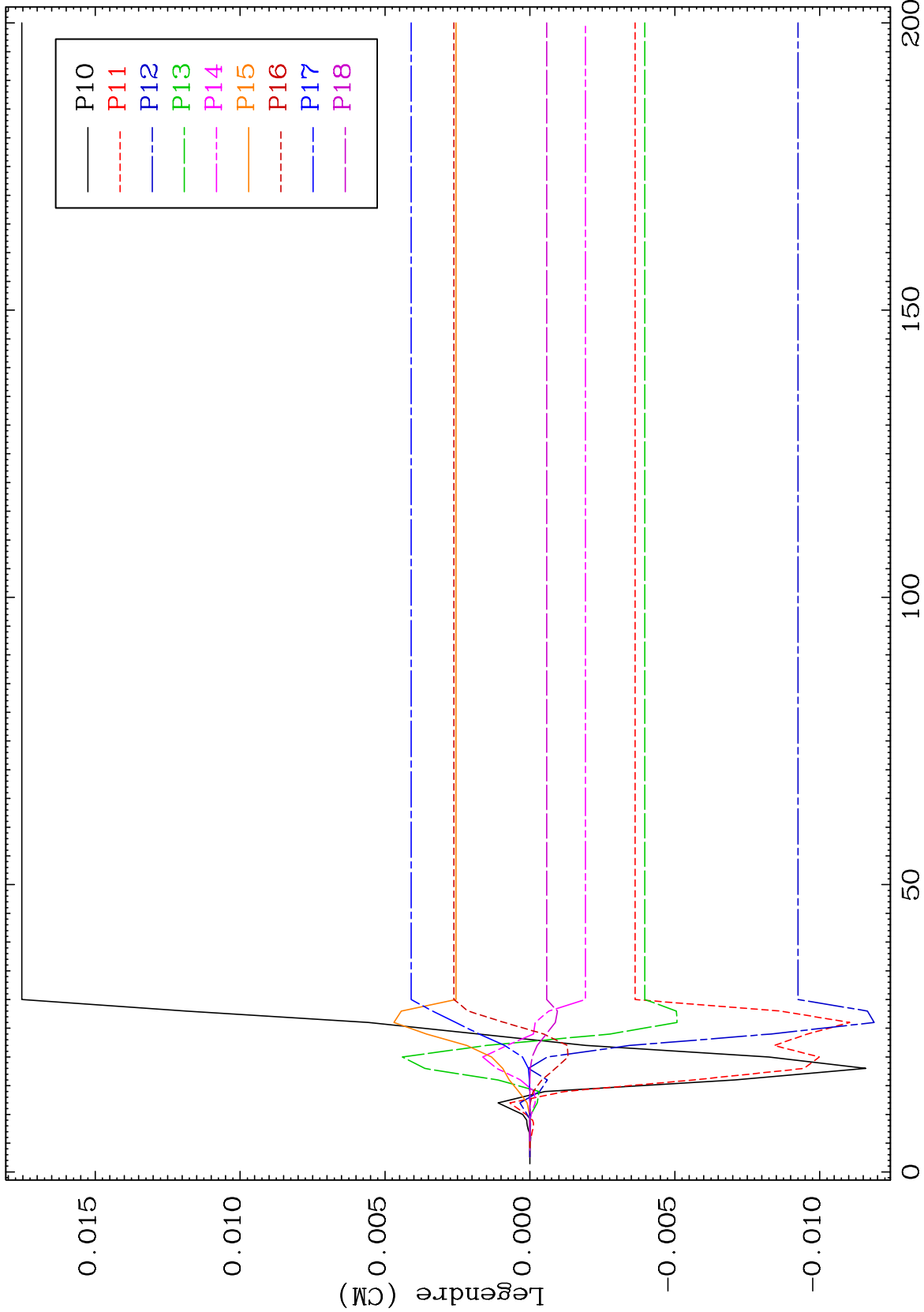
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



66

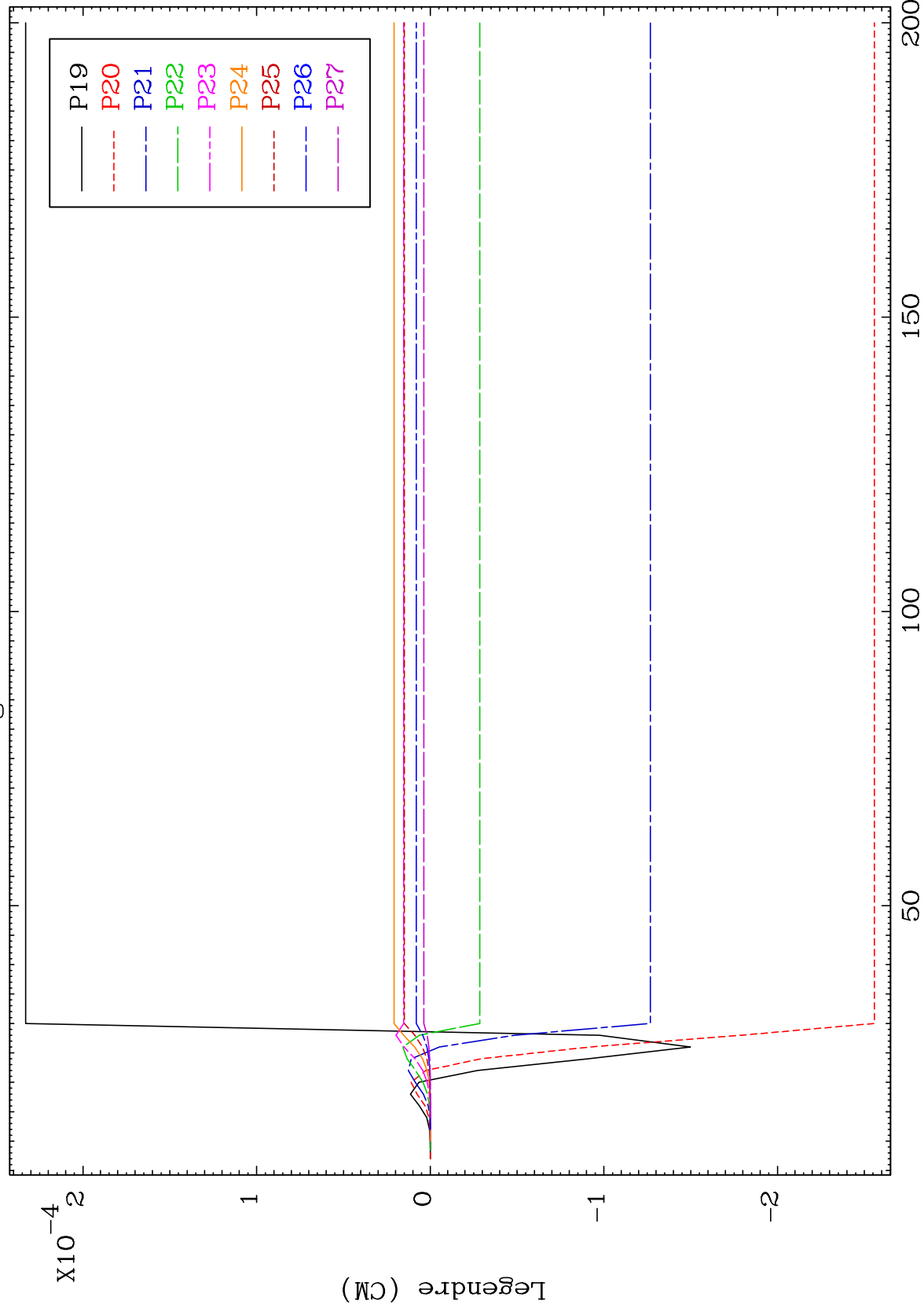
Incident Energy (MeV)

68-Er-167

MAT 6840

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

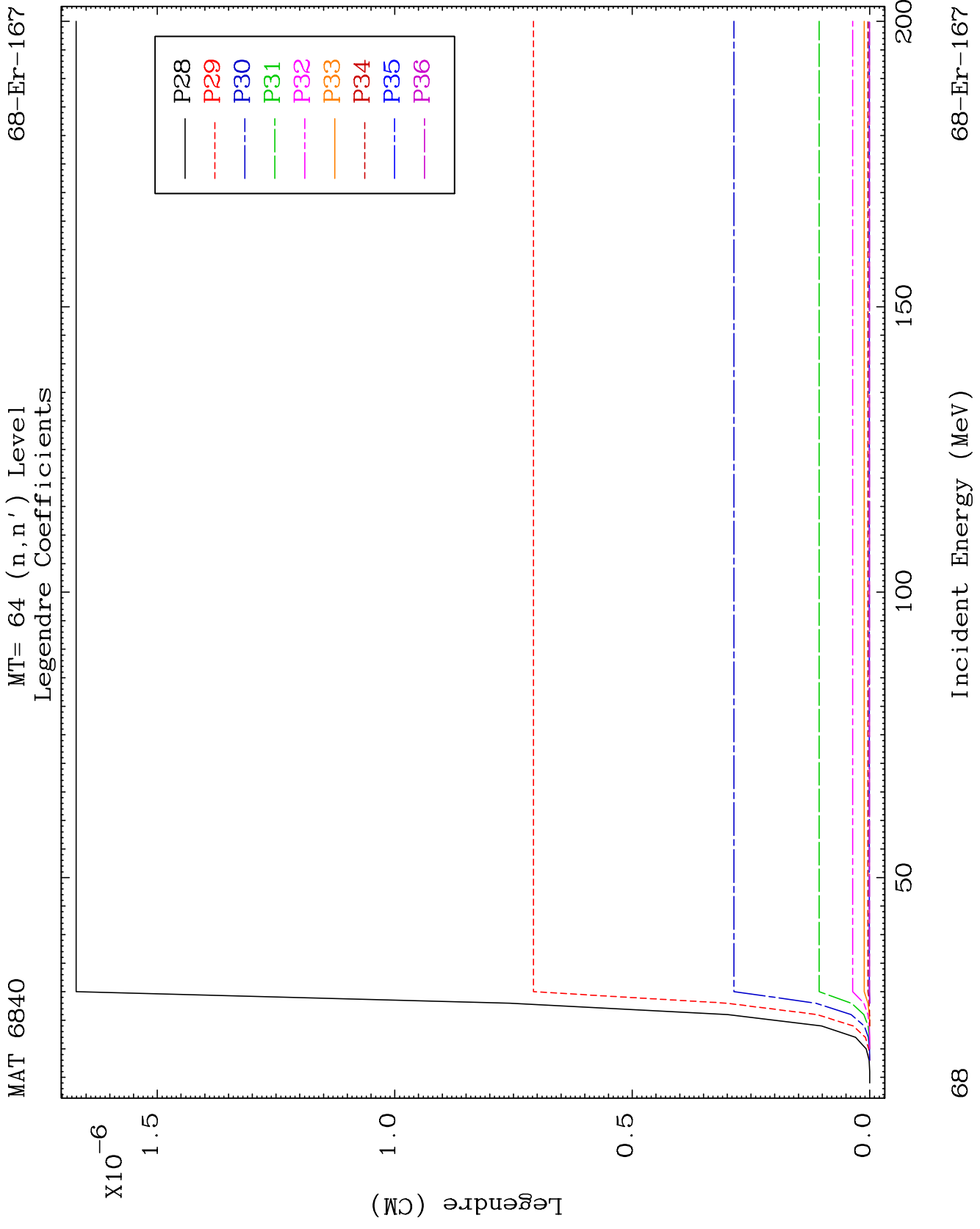
68-Er-167



67

Incident Energy (MeV)

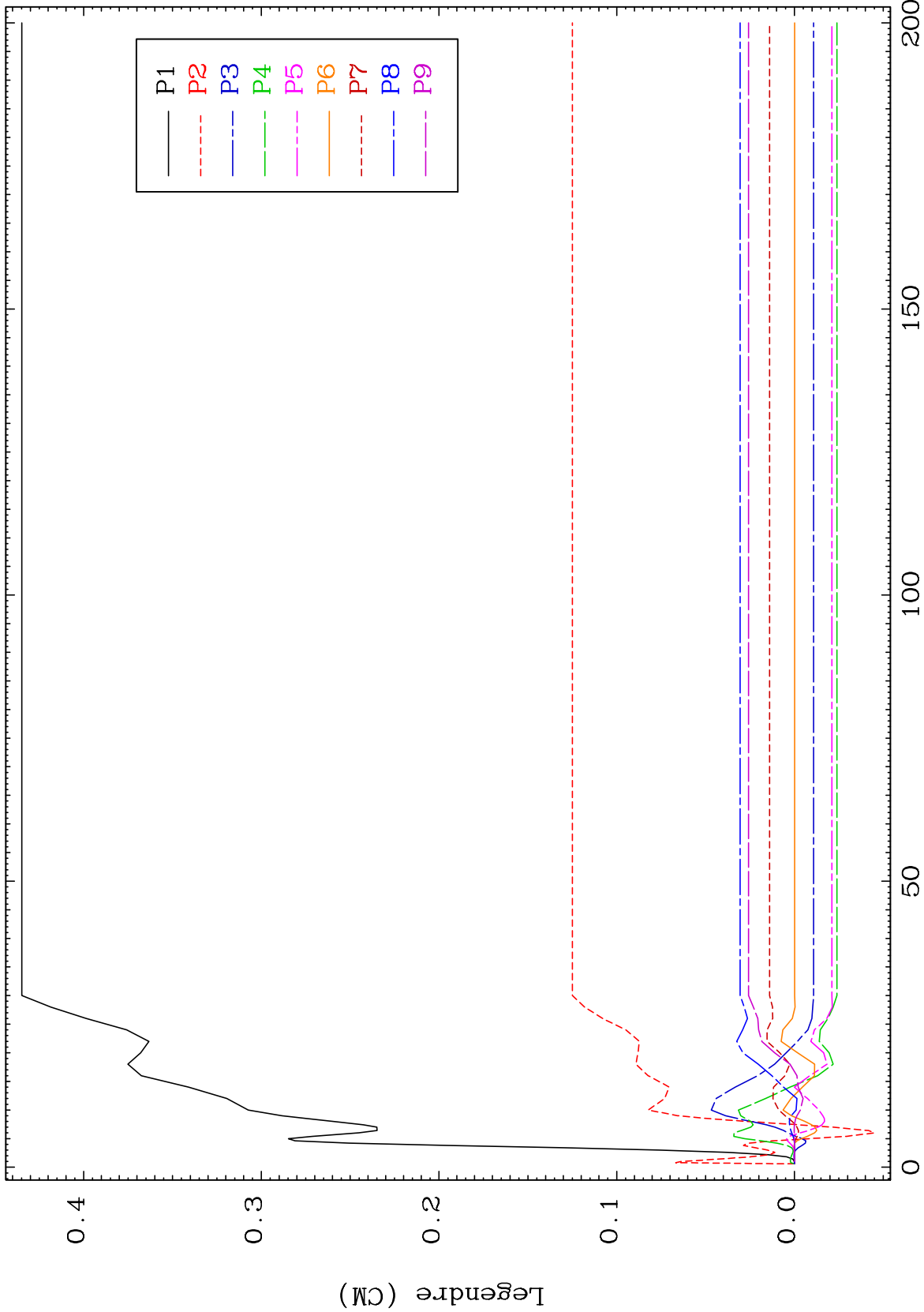
68-Er-167



MAT 6840

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

68-Er-167



69

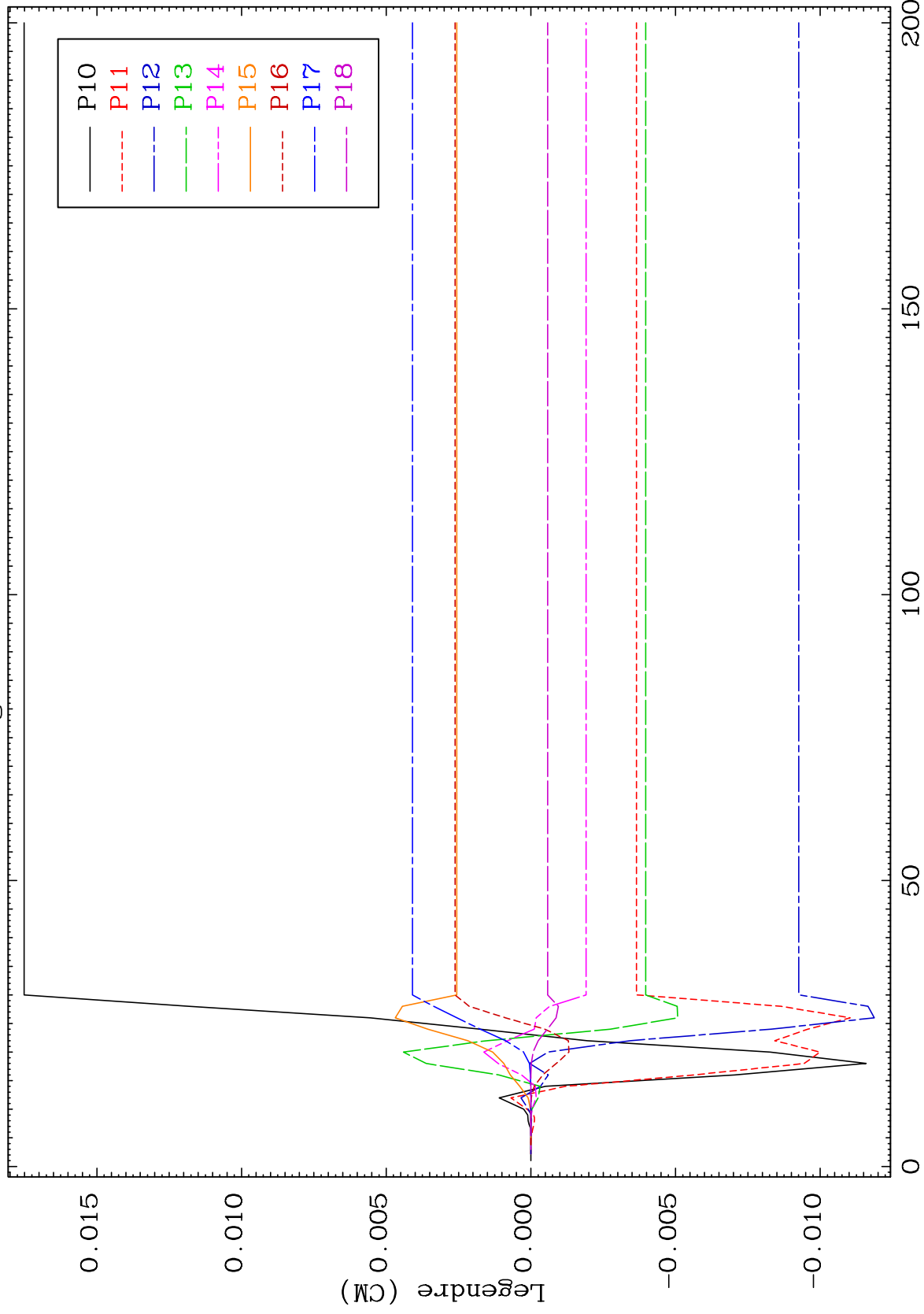
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



70

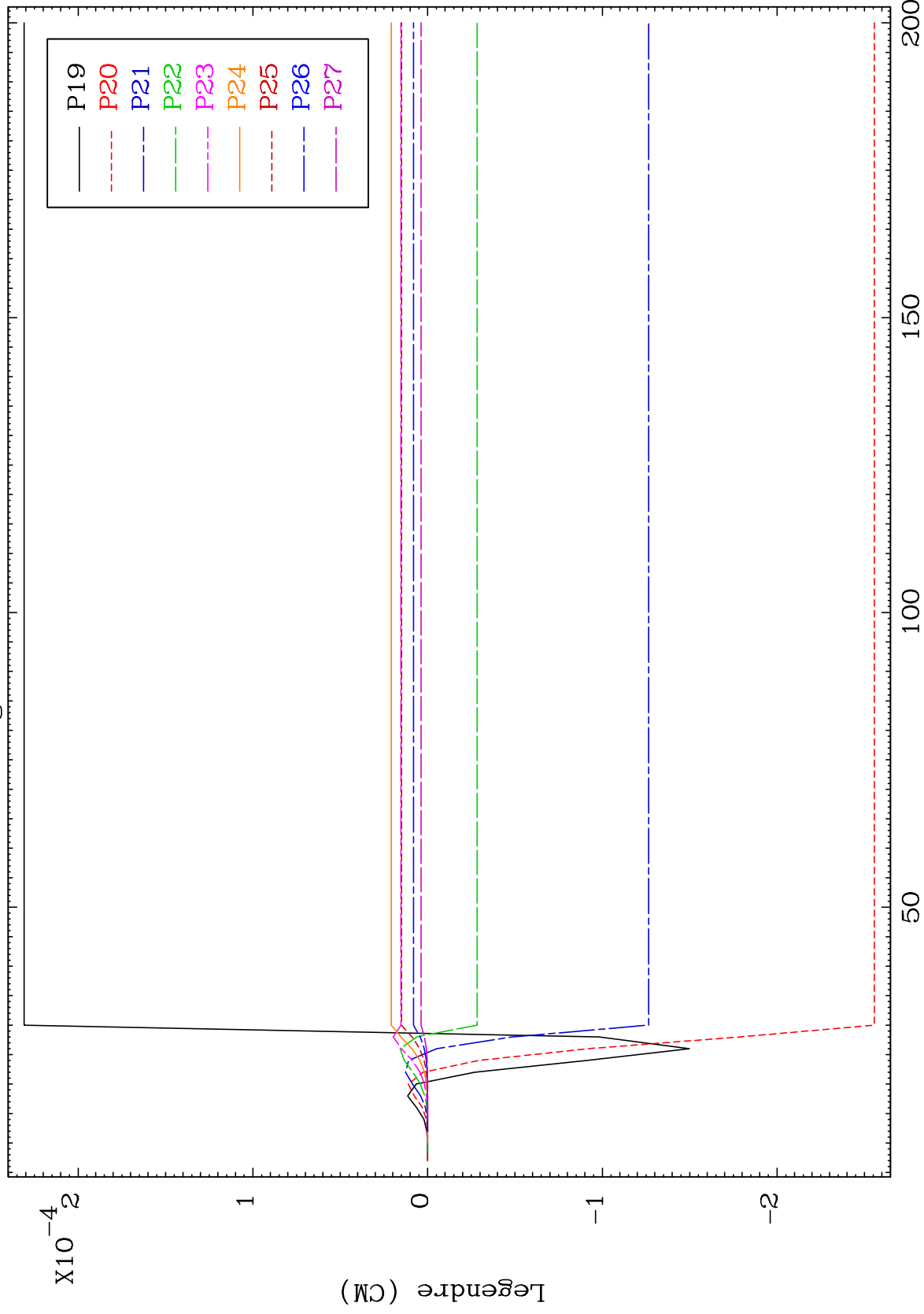
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



71

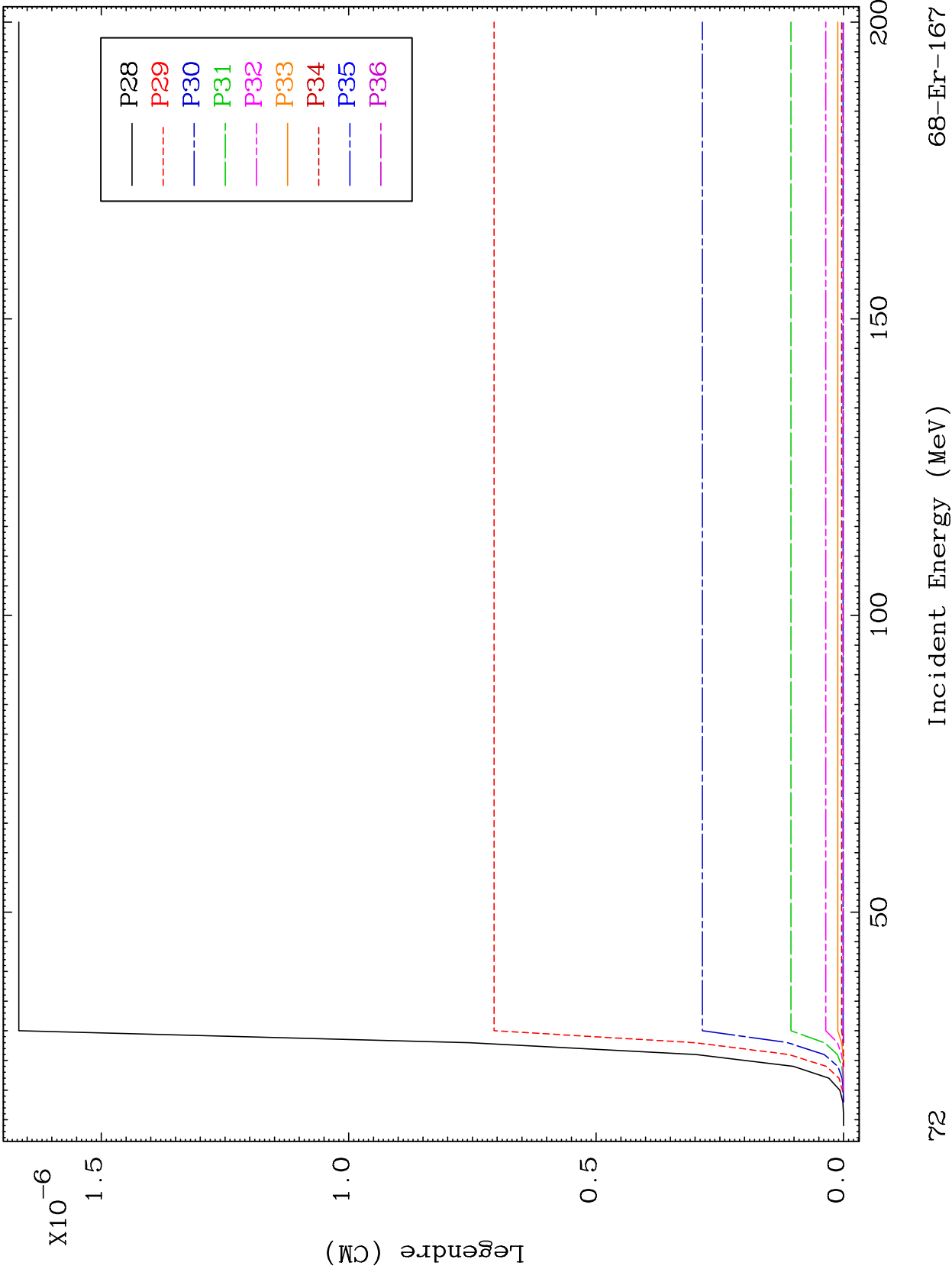
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



72

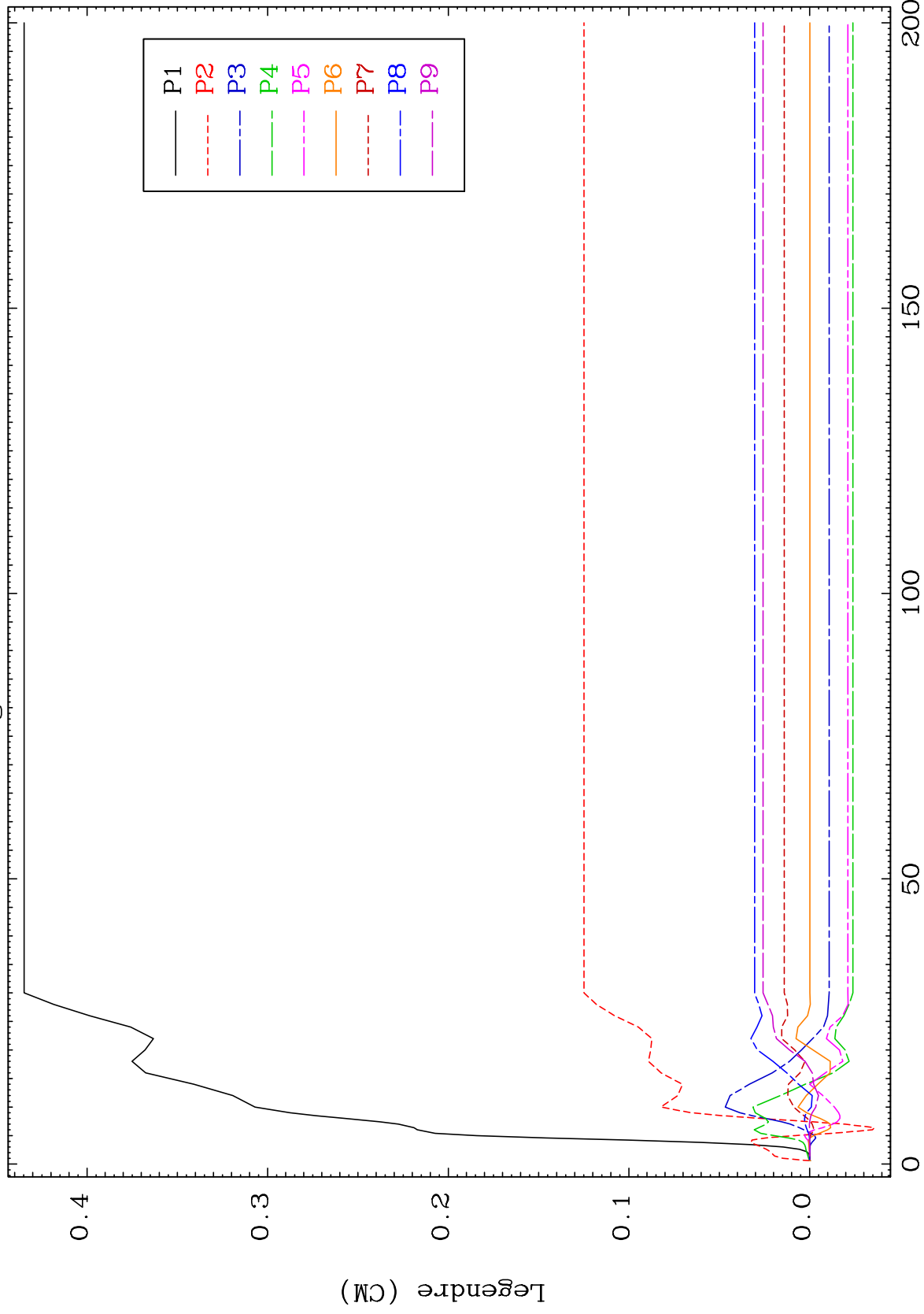
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



73

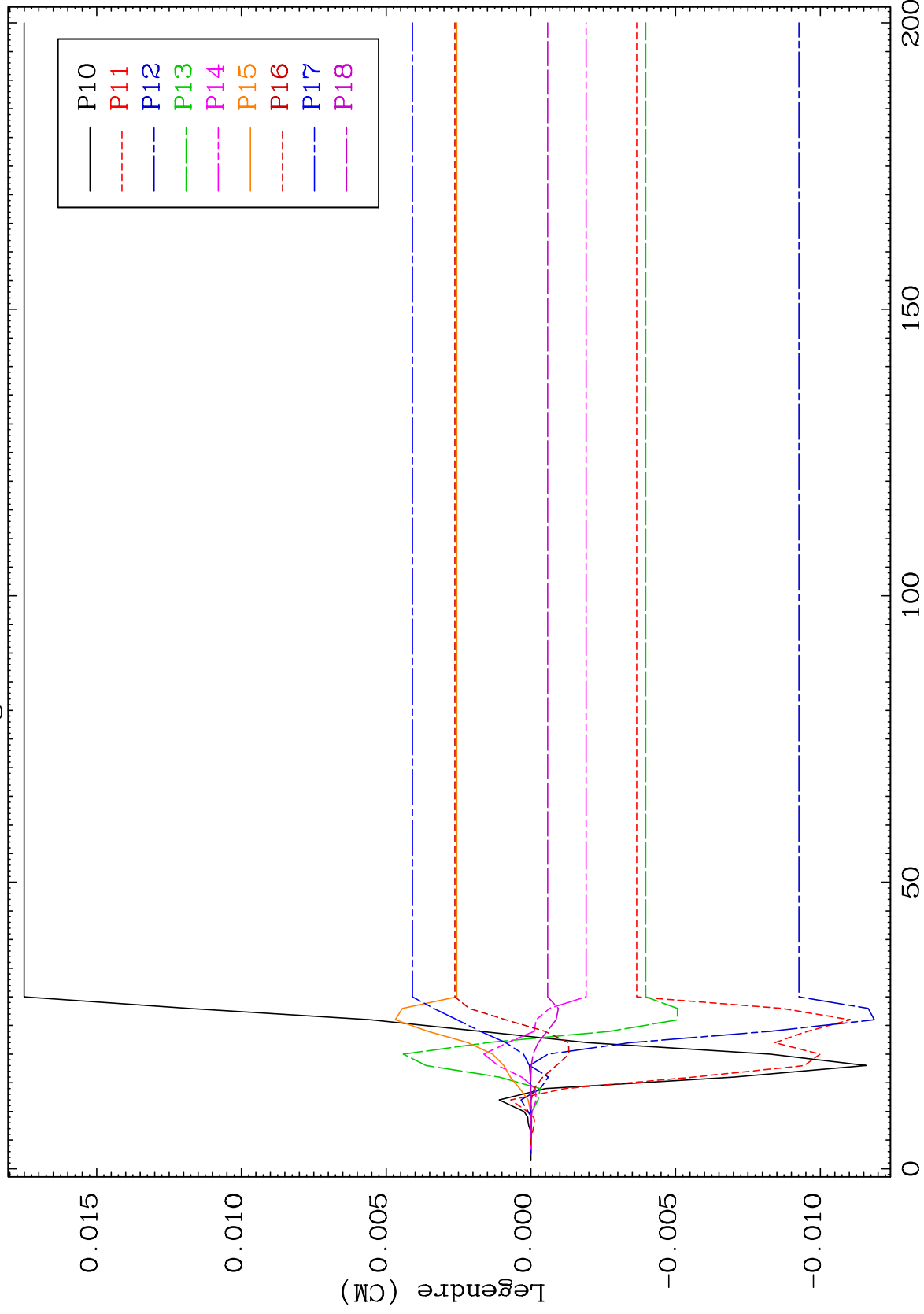
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



74

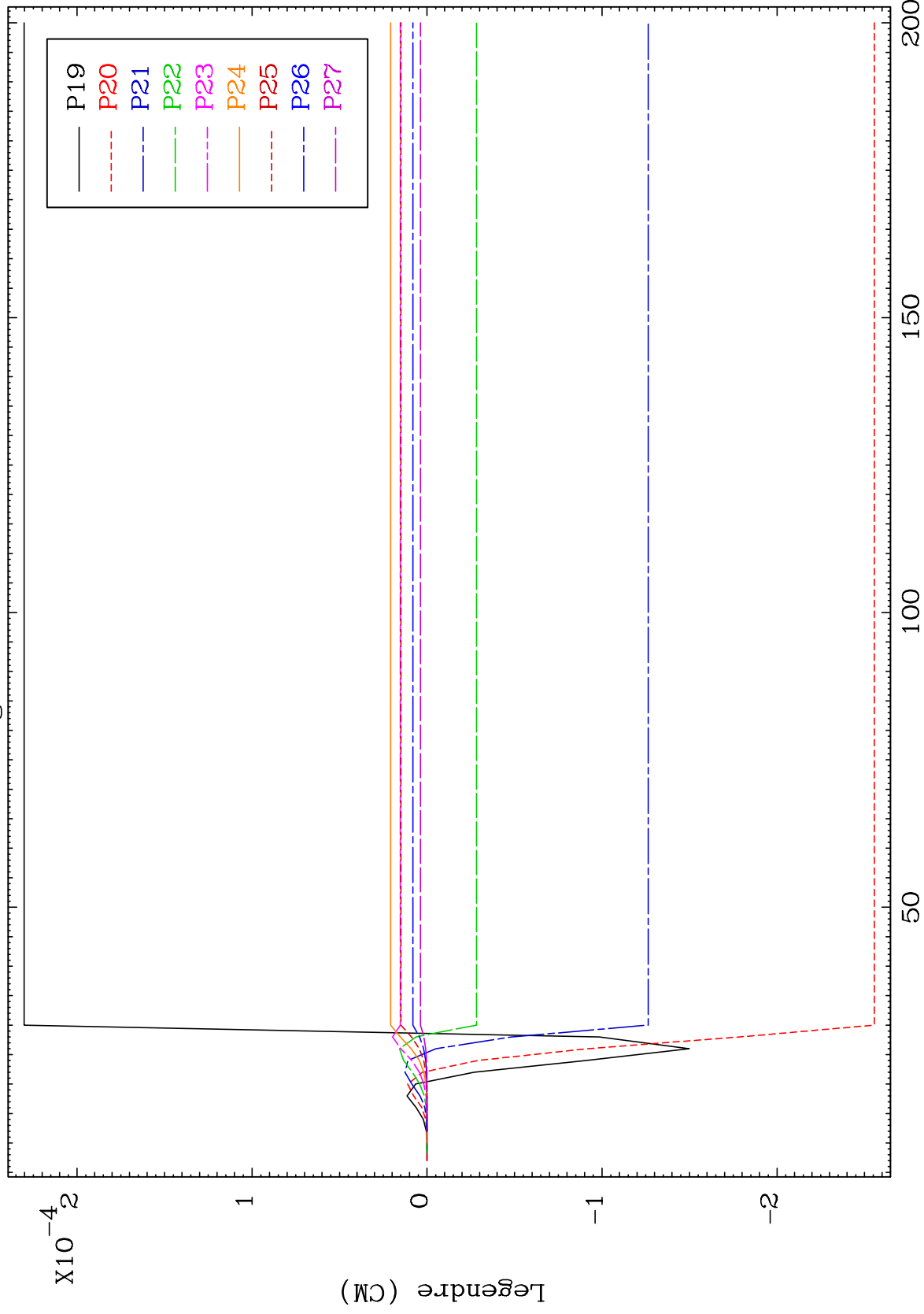
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



75

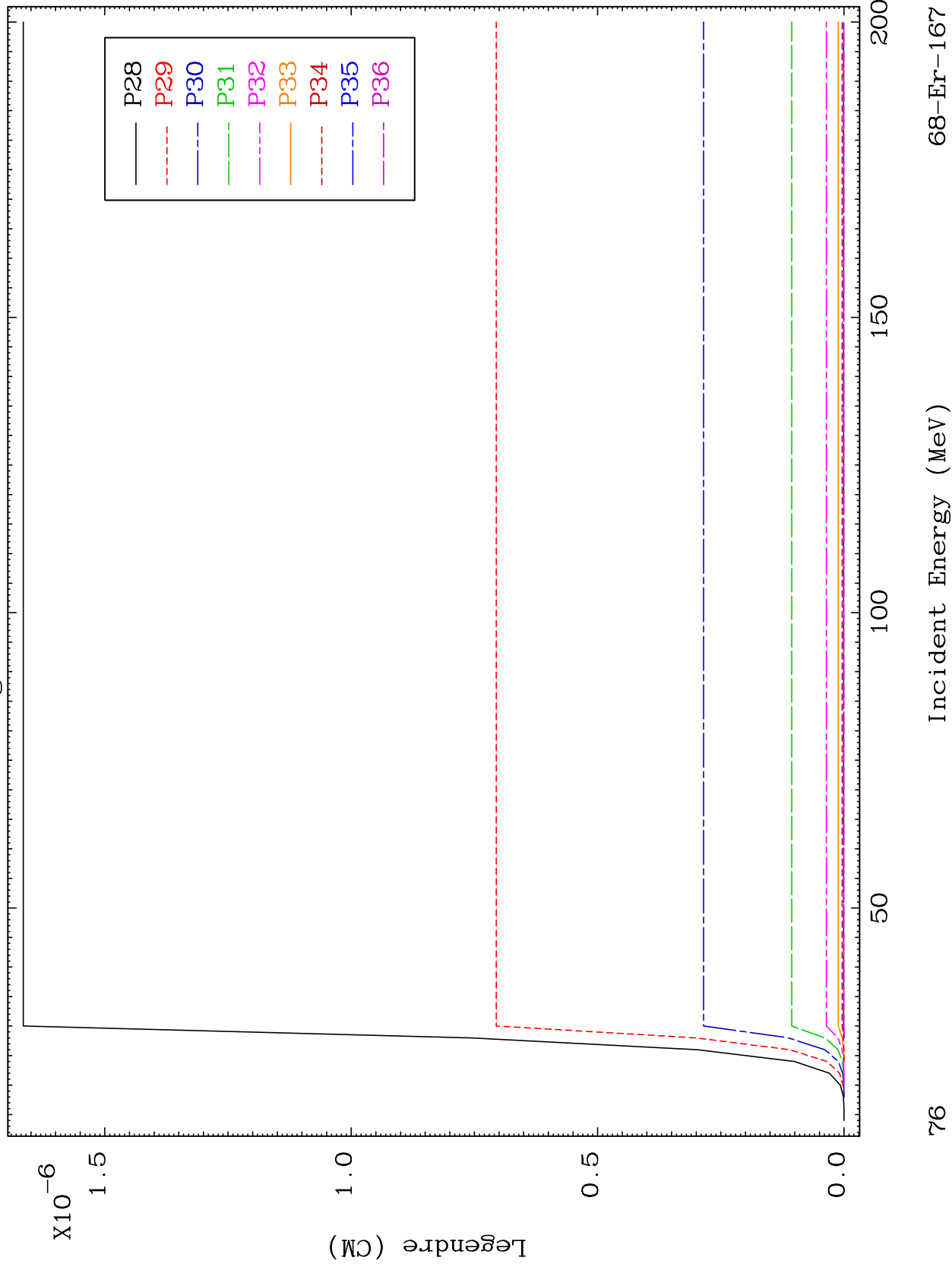
Incident Energy (MeV)

68-Er-167

MAT 6840

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

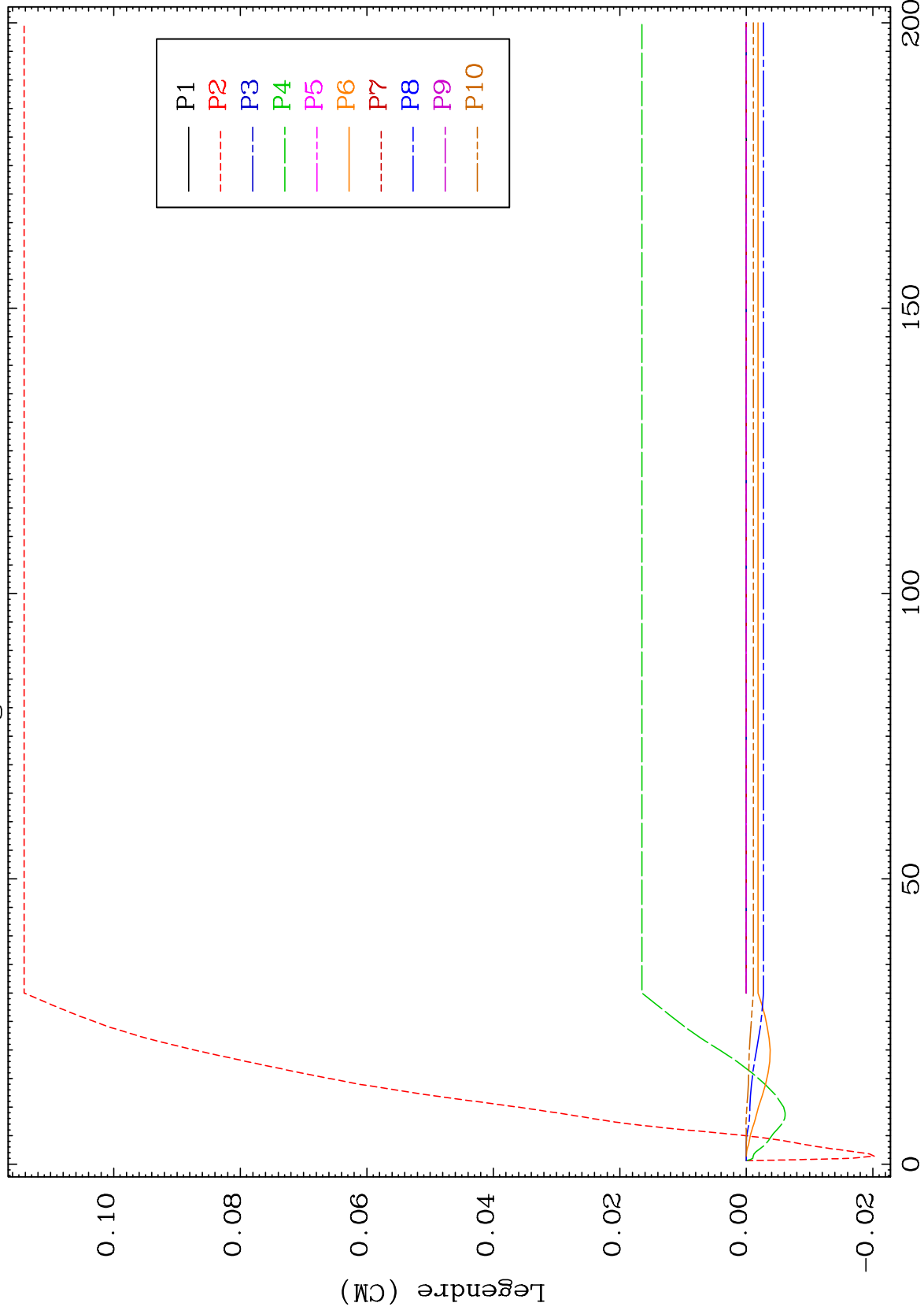
68-Er-167



MAT 6840

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

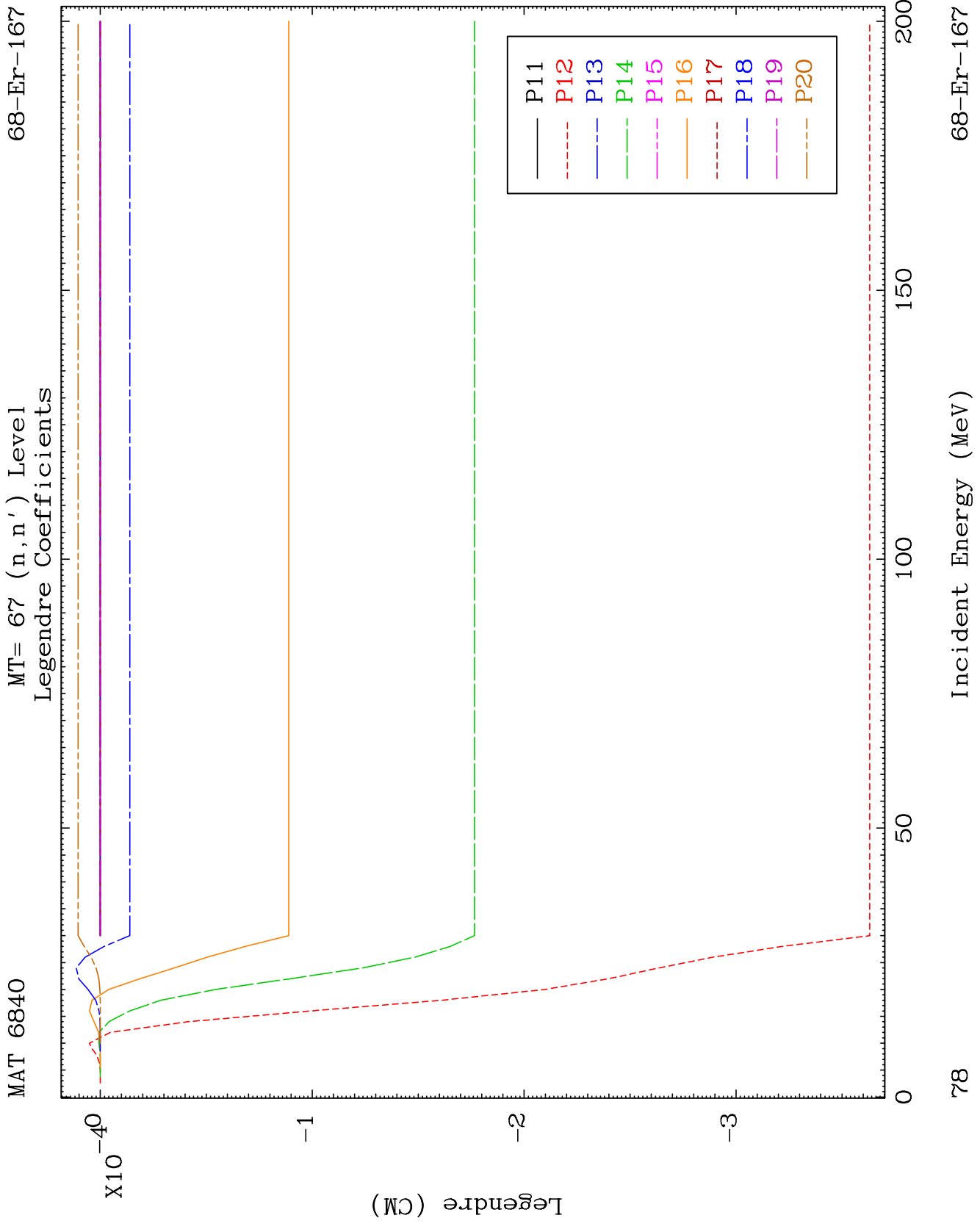
68-Er-167

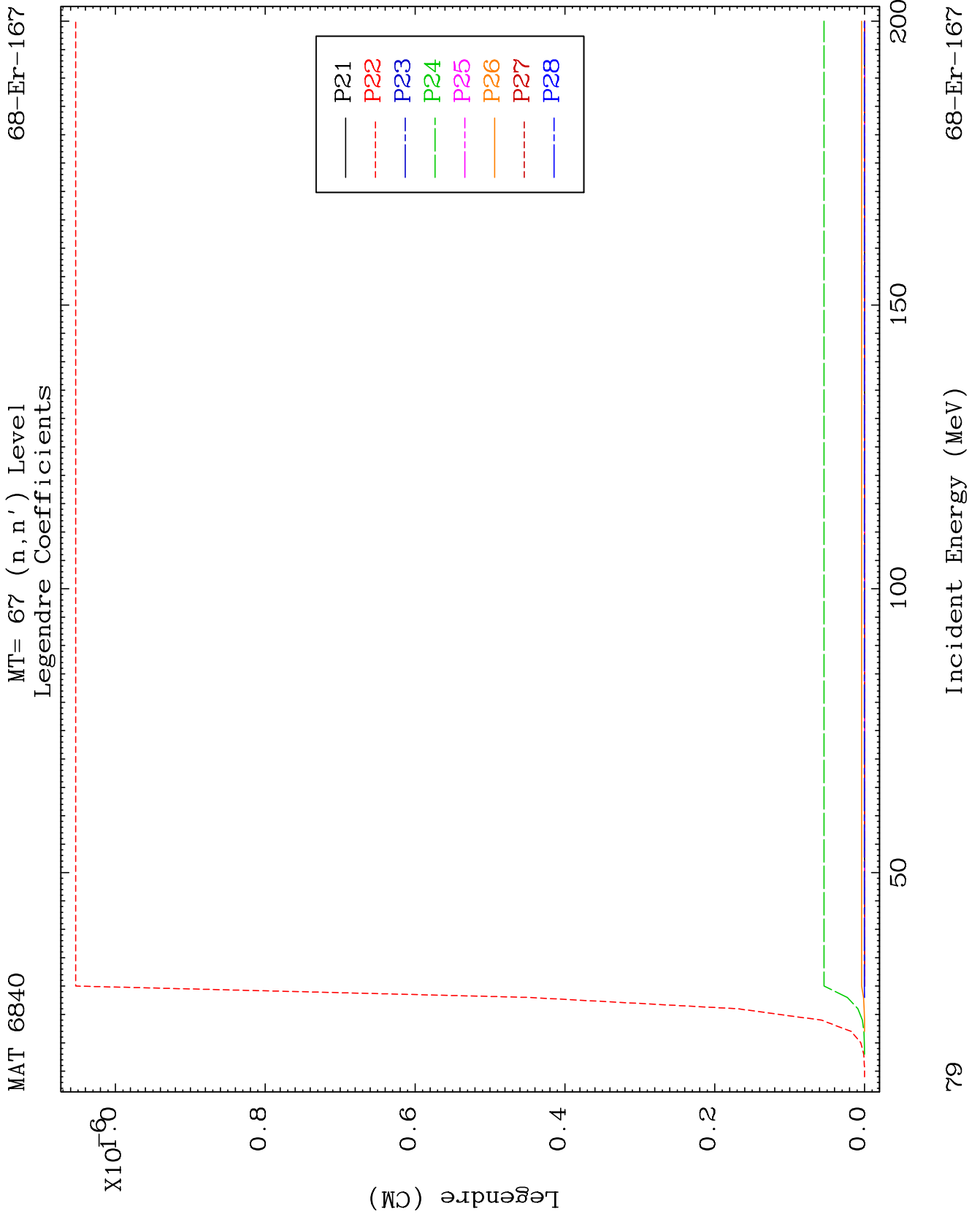


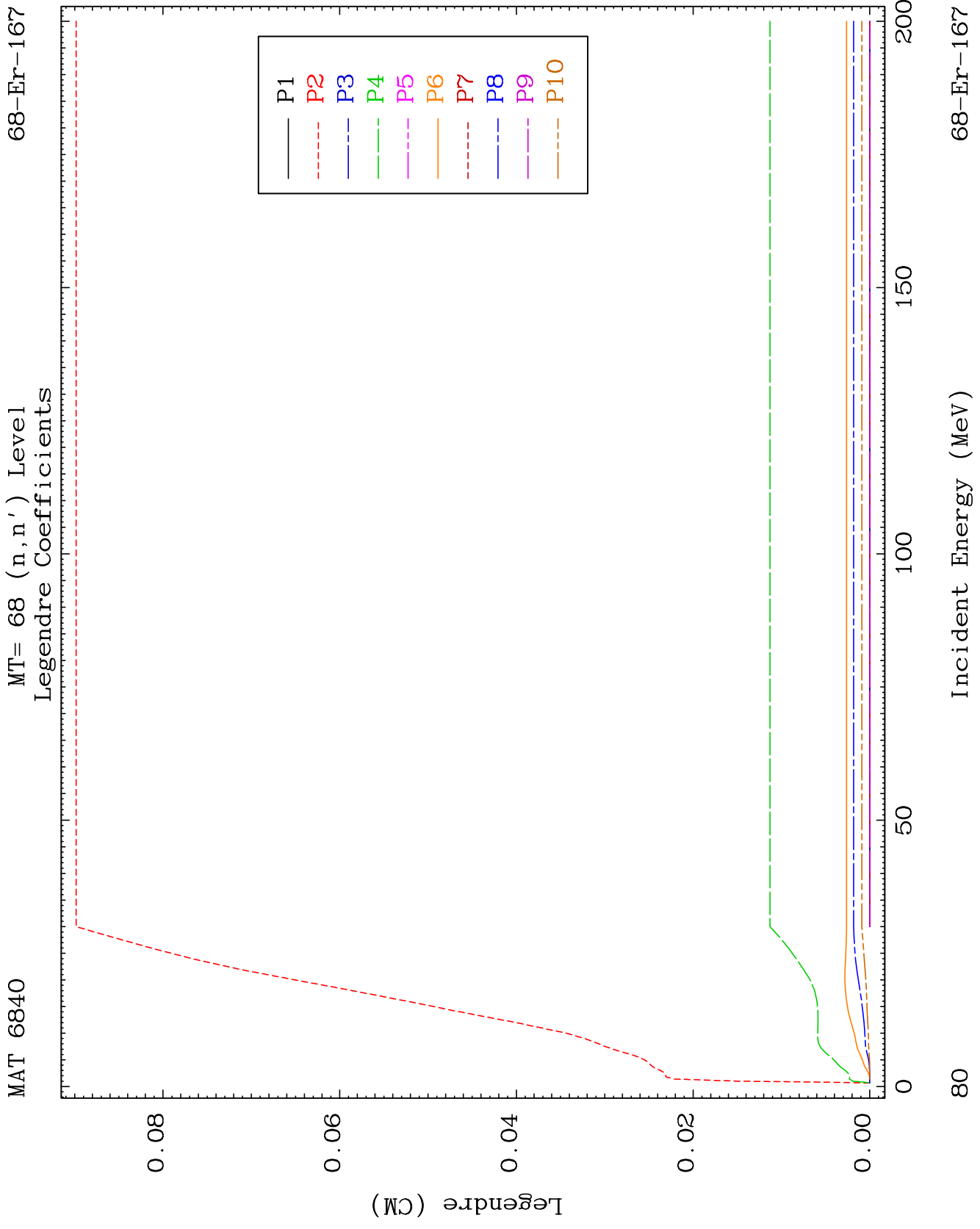
68-Er-167

Incident Energy (MeV)

77



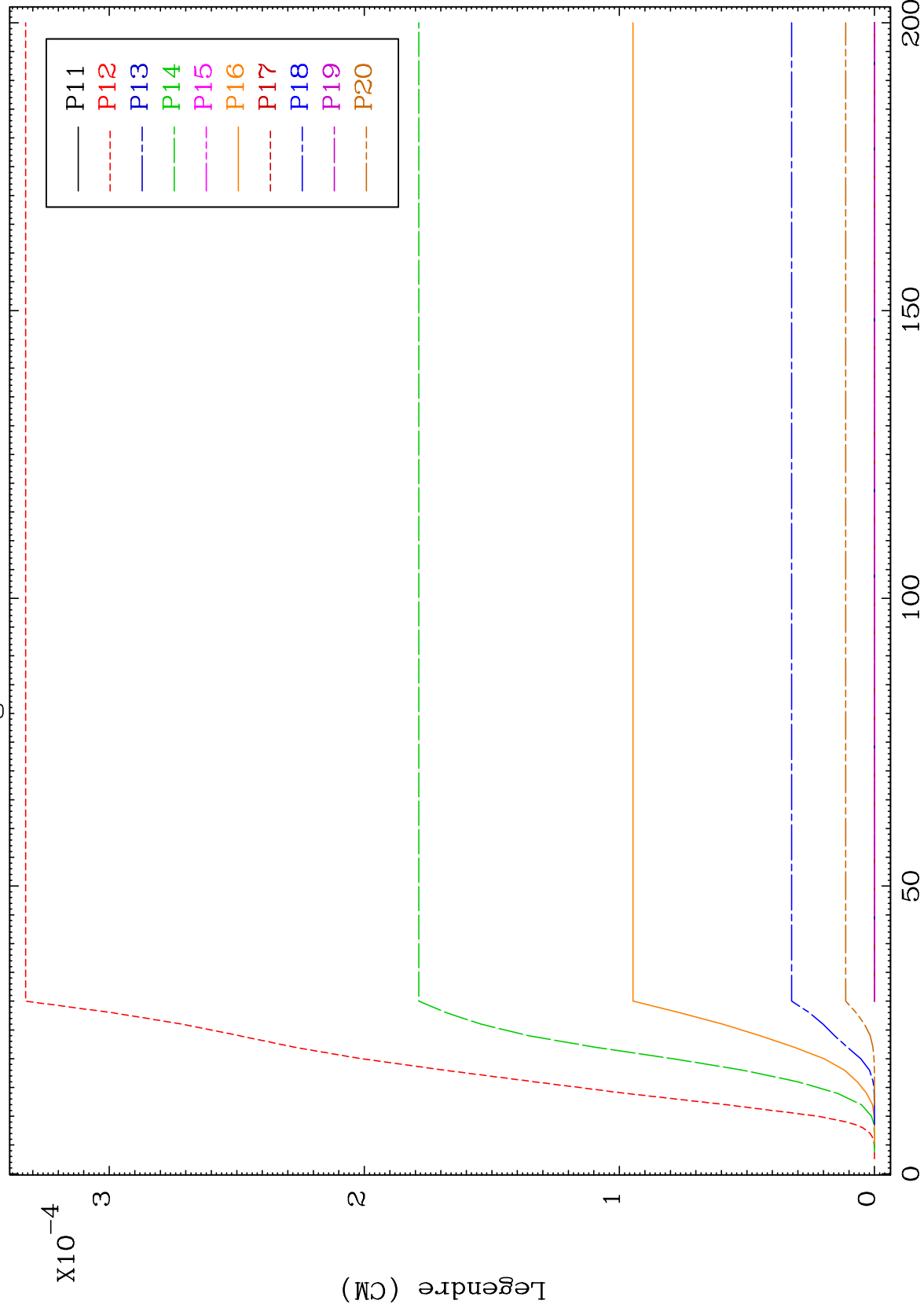




MAT 6840

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

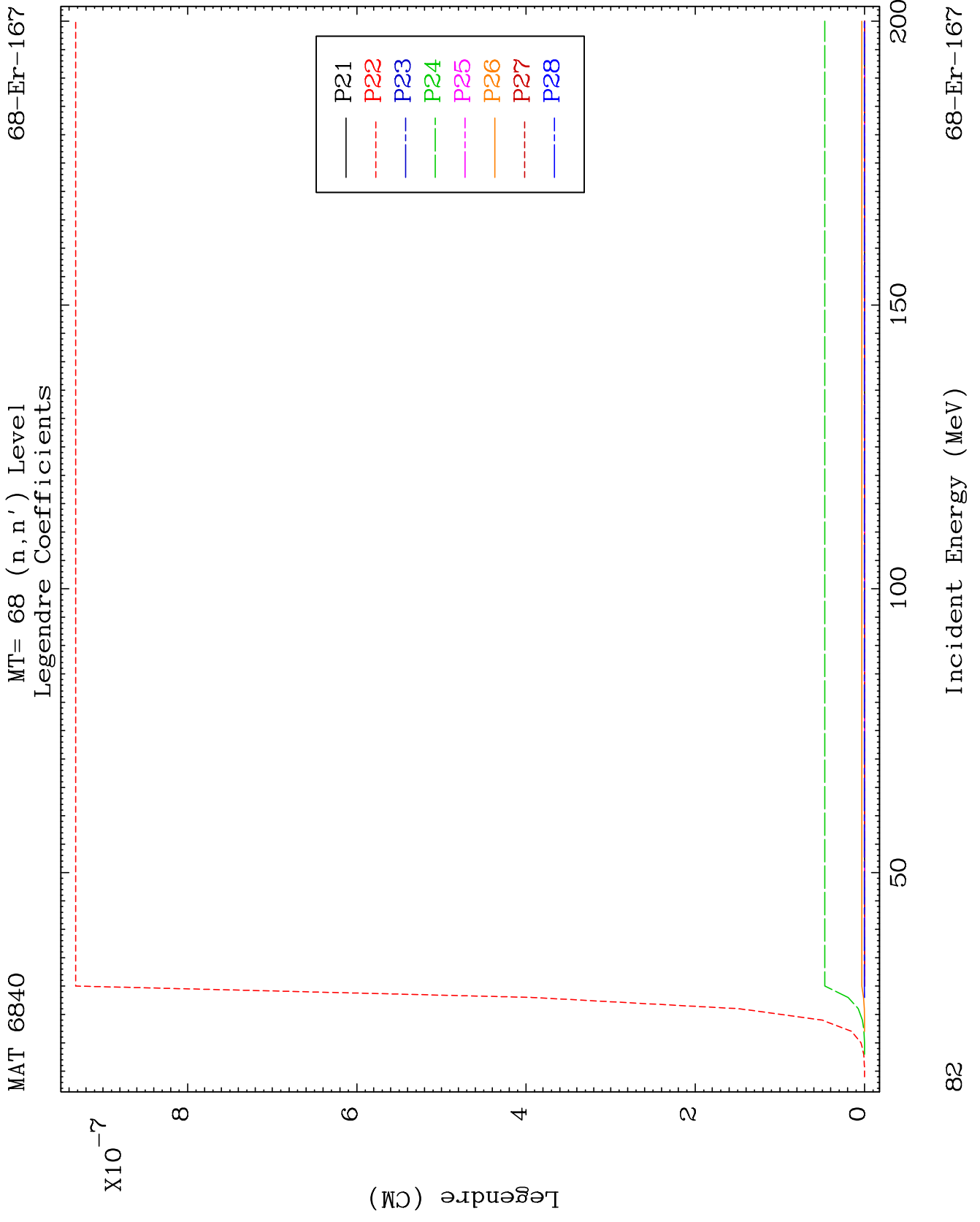
68-Er-167



81

Incident Energy (MeV)

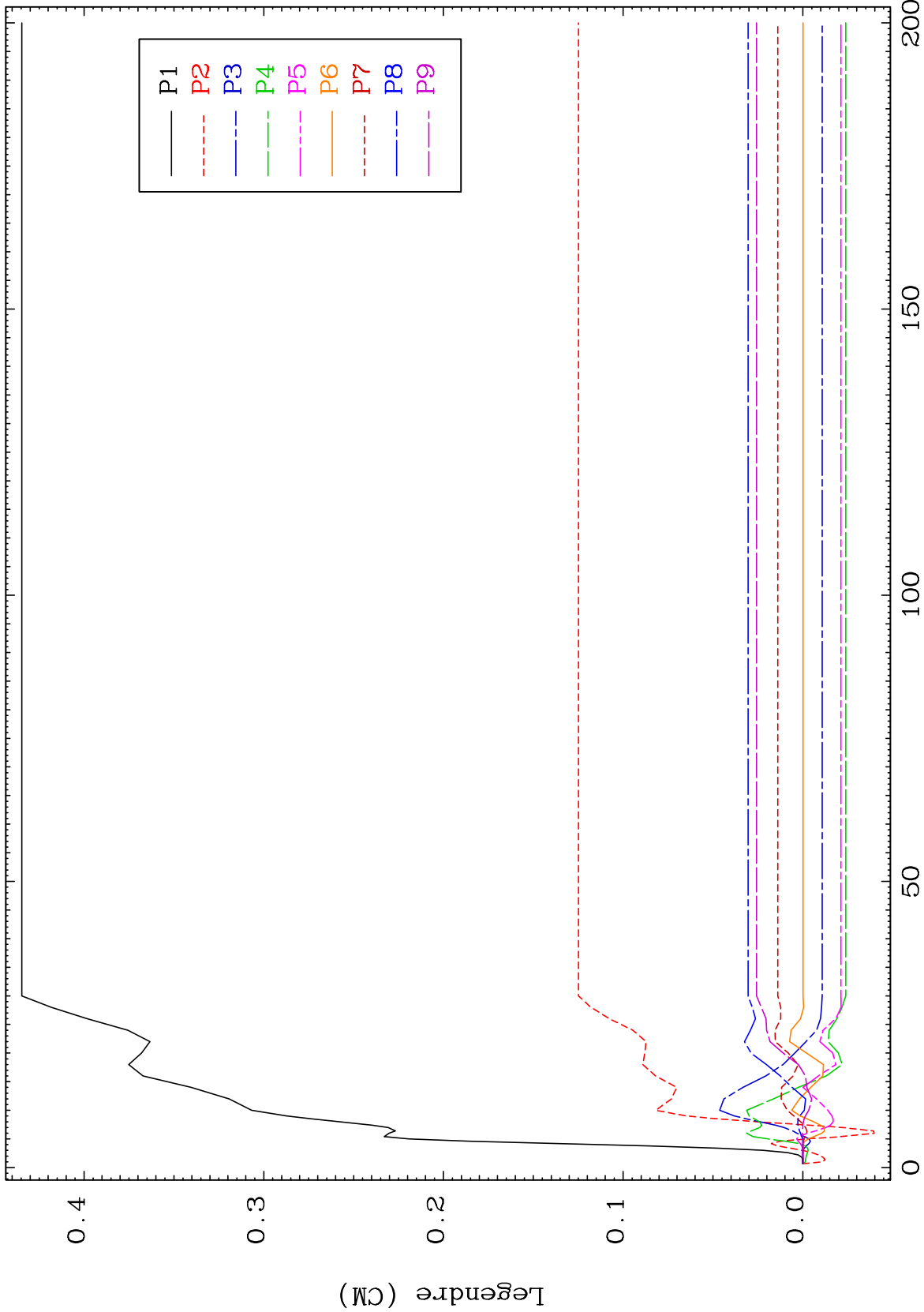
68-Er-167



MAT 6840

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

68-Er-167



83

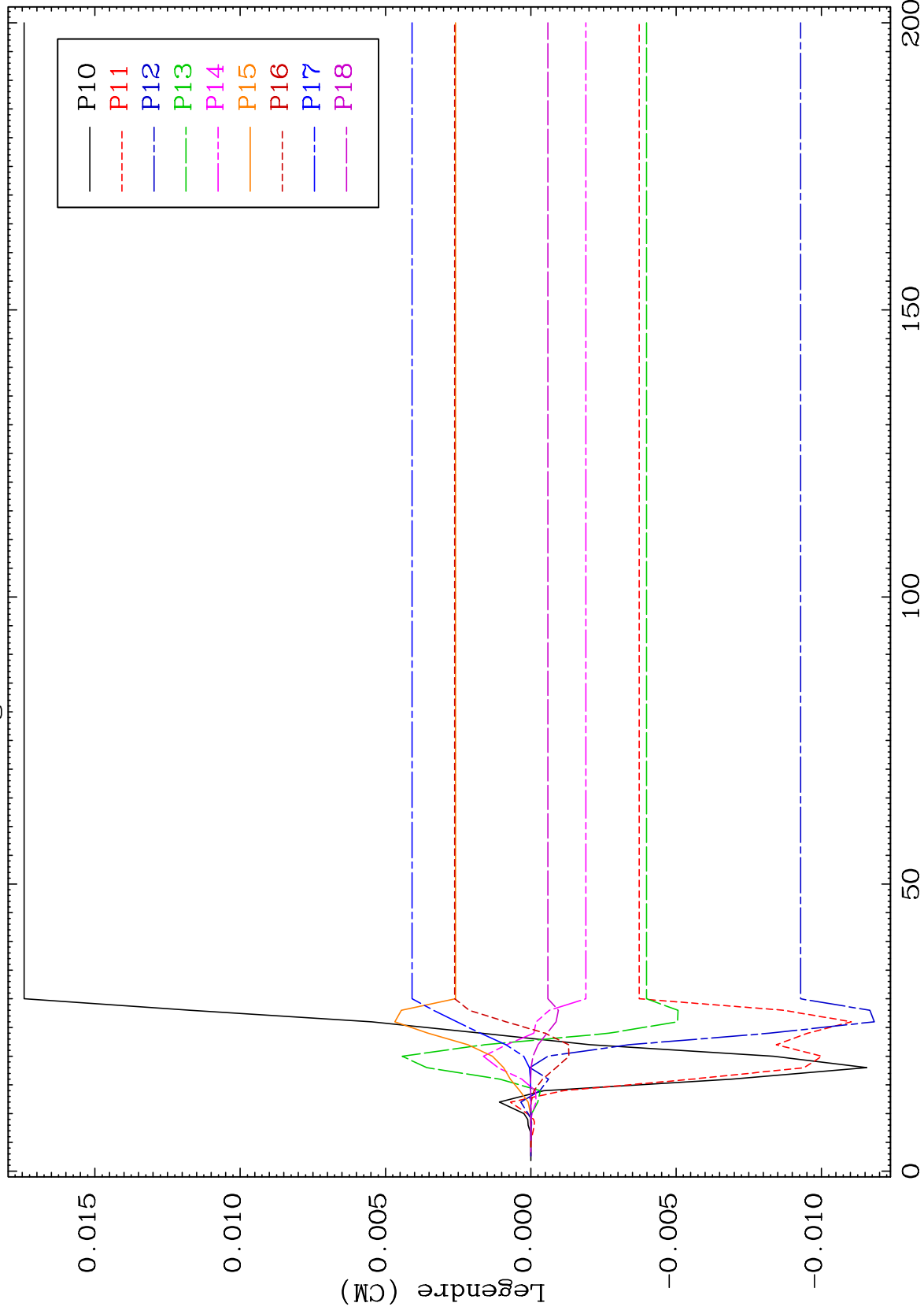
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



84

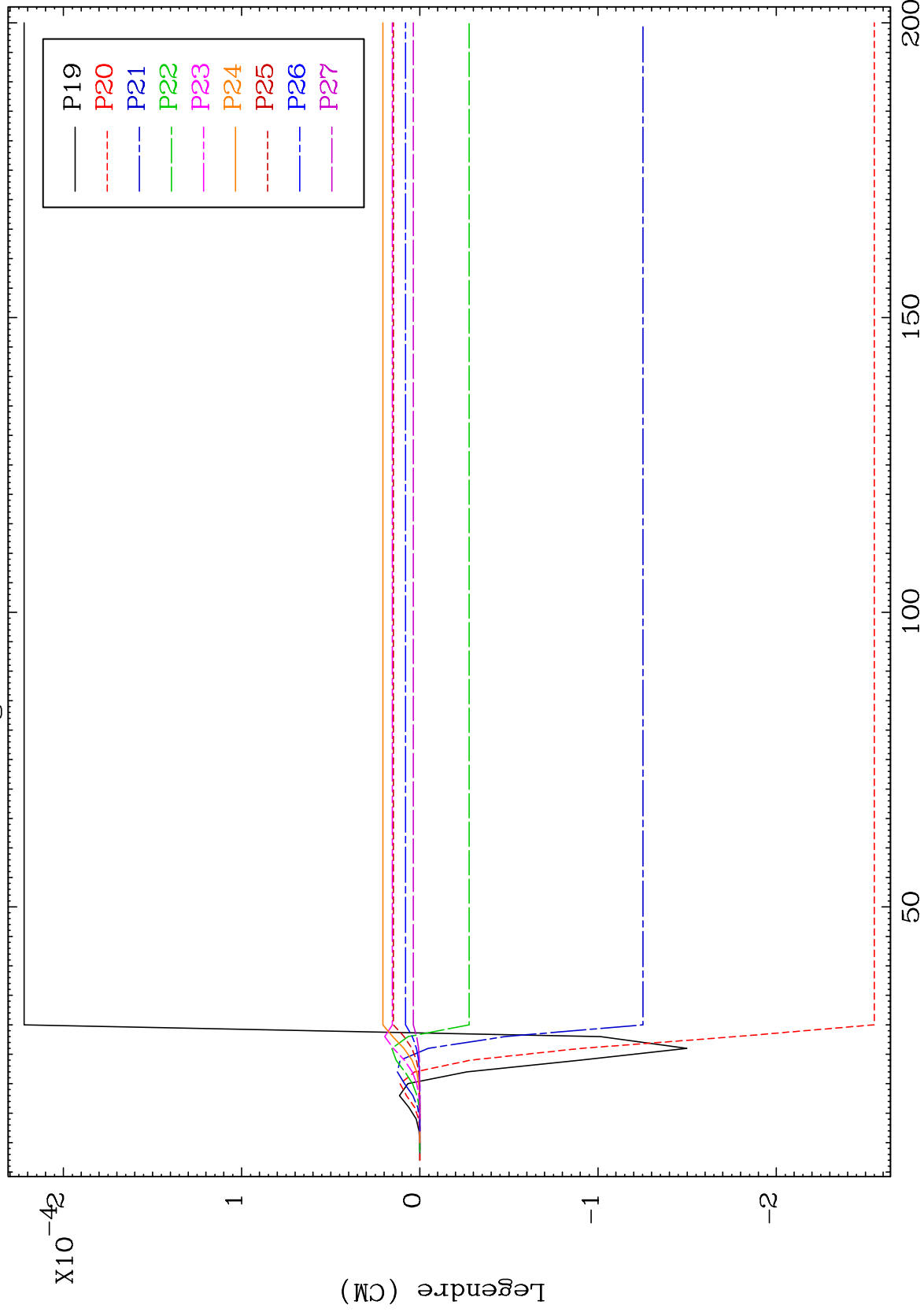
Incident Energy (MeV)

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= 69 (n,n') Level
Legendre Coefficients

68-Er-167

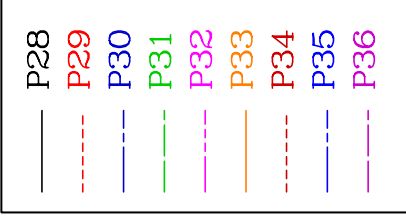
$\times 10^{-6}$
1.5

Legendre (CM)

1.0

0.5

0.0



200

150

100

50

86

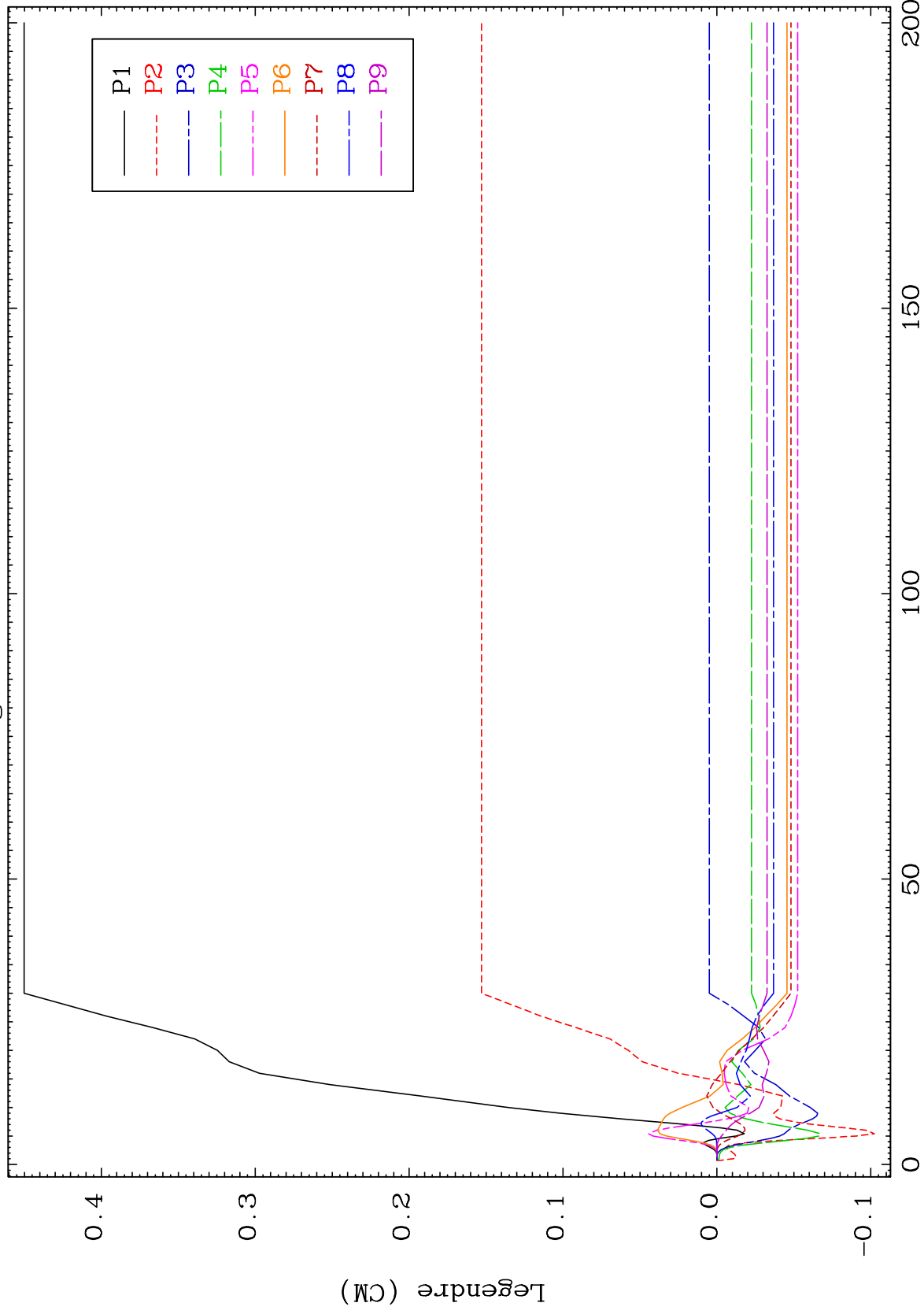
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



87

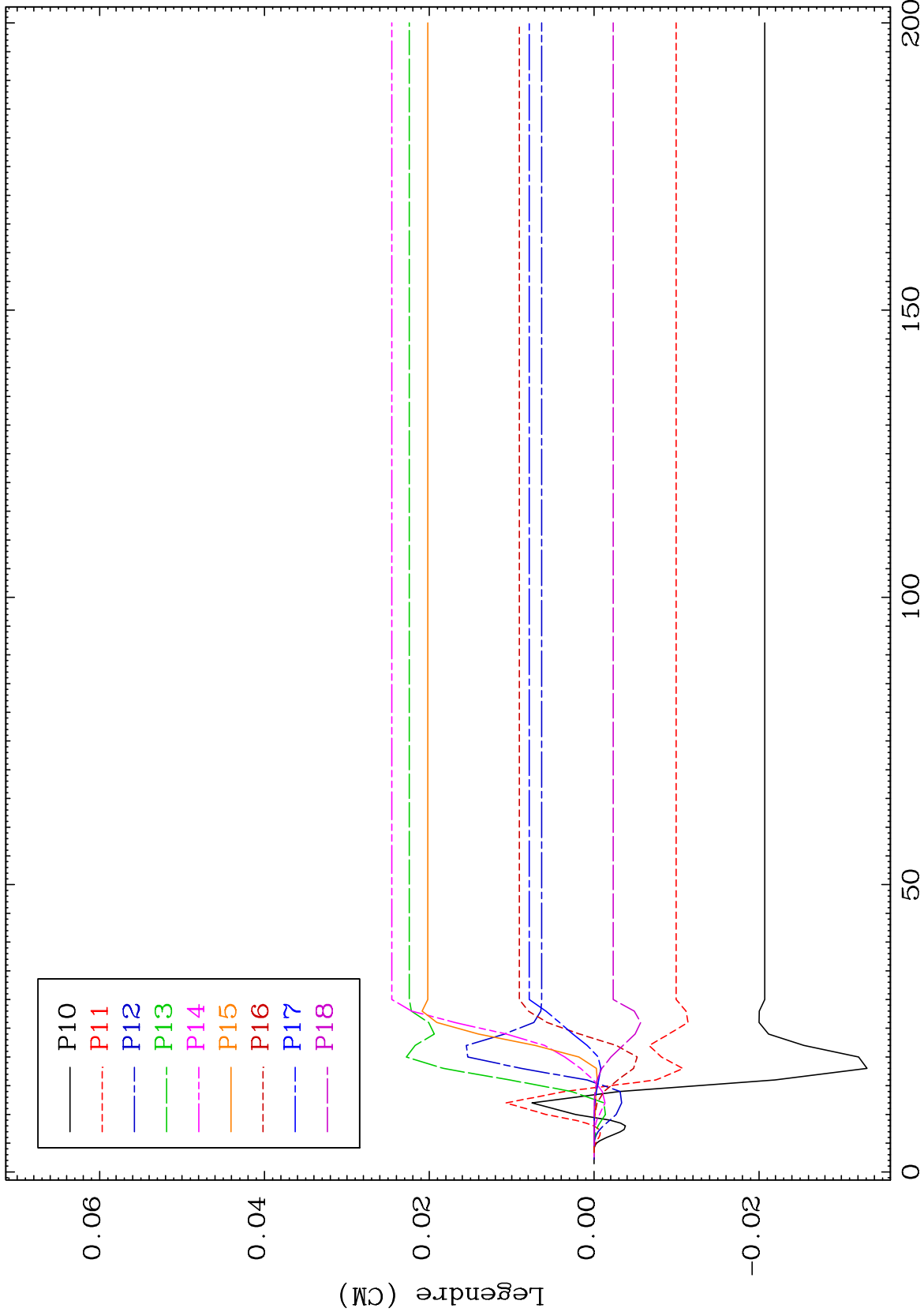
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



88

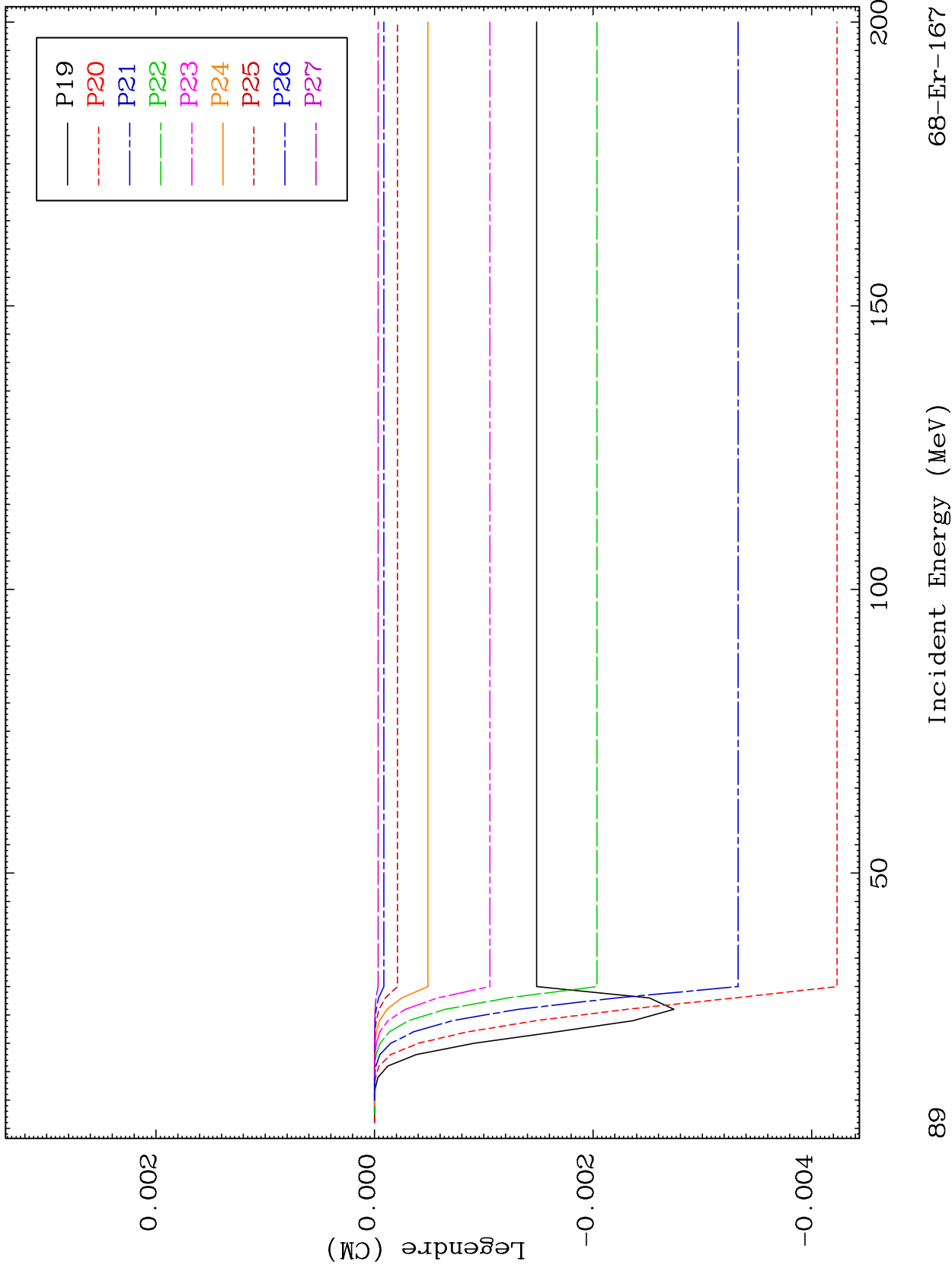
Incident Energy (MeV)

68-Er-167

MAT 6840

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

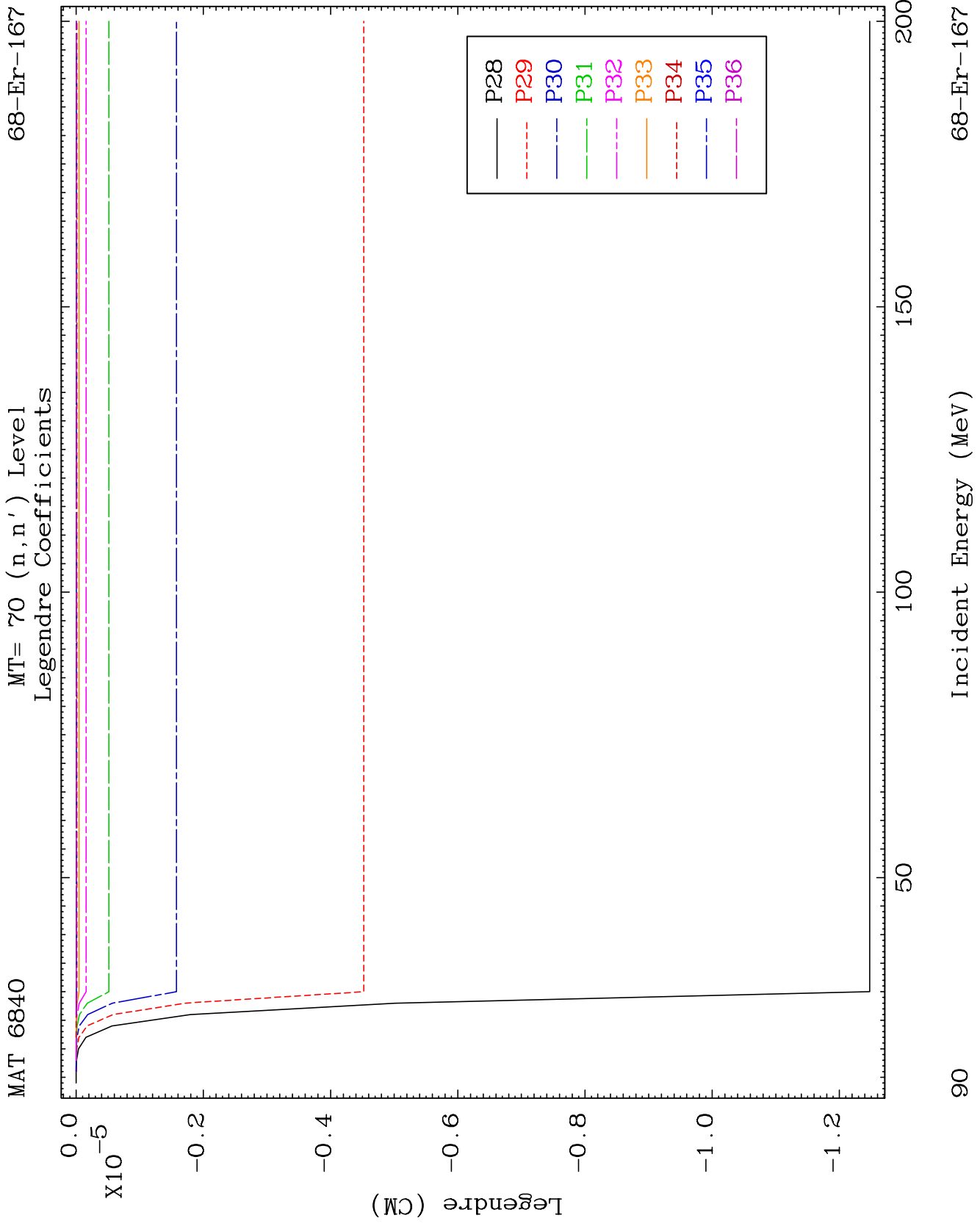
68-Er-167

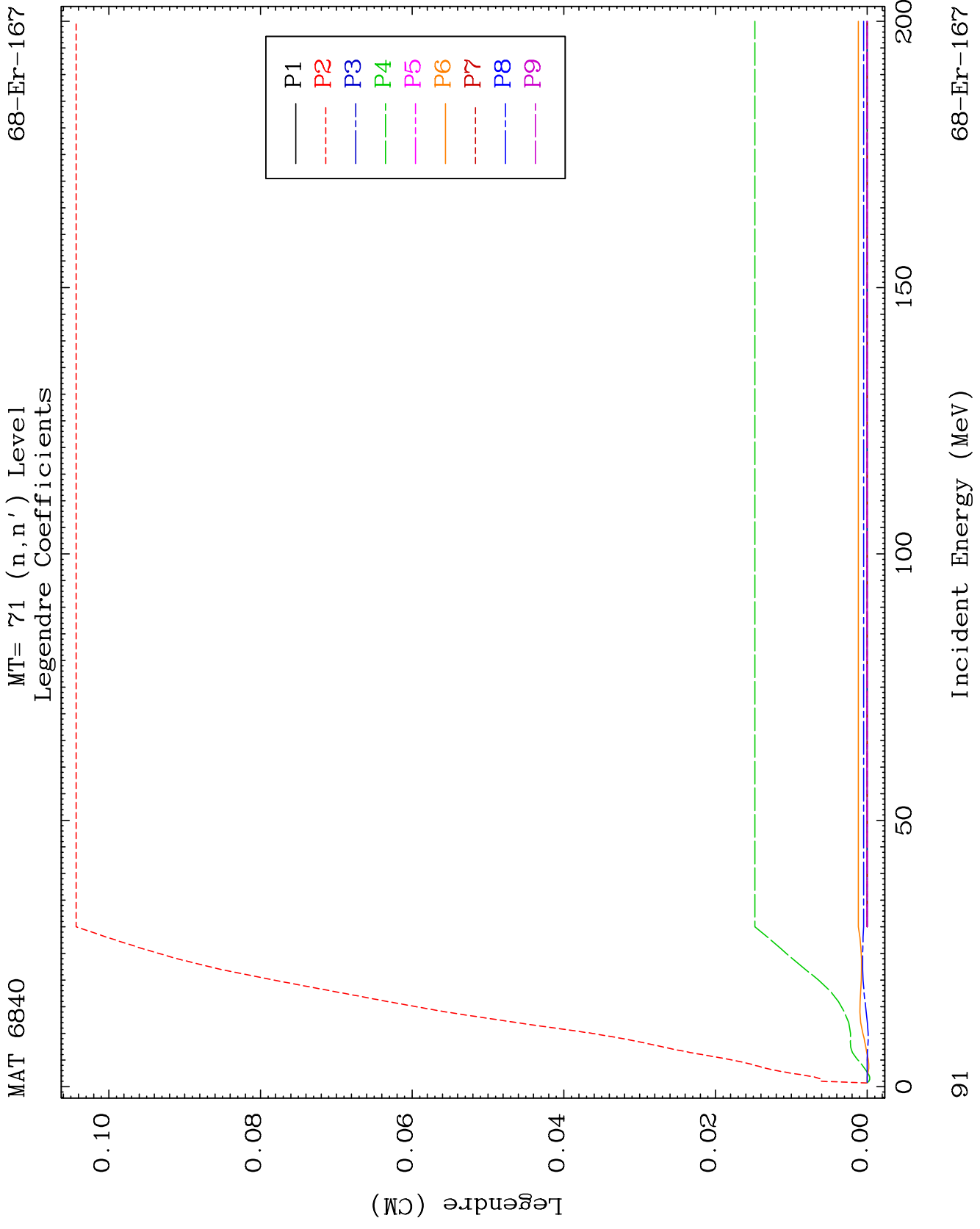


89

Incident Energy (MeV)

68-Er-167





68-Er-167

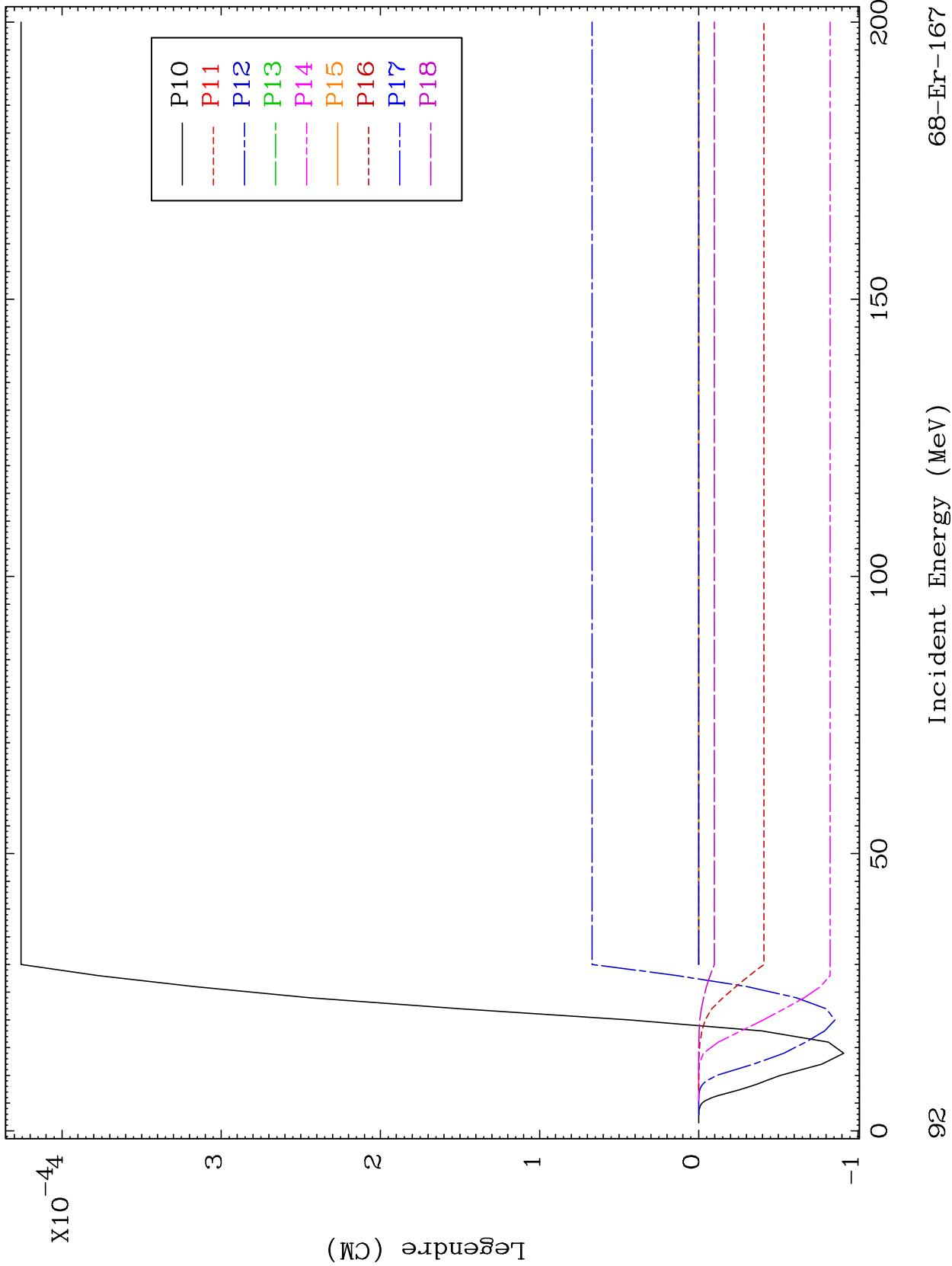
Incident Energy (MeV)

91

MAT 6840

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

68-Er-167



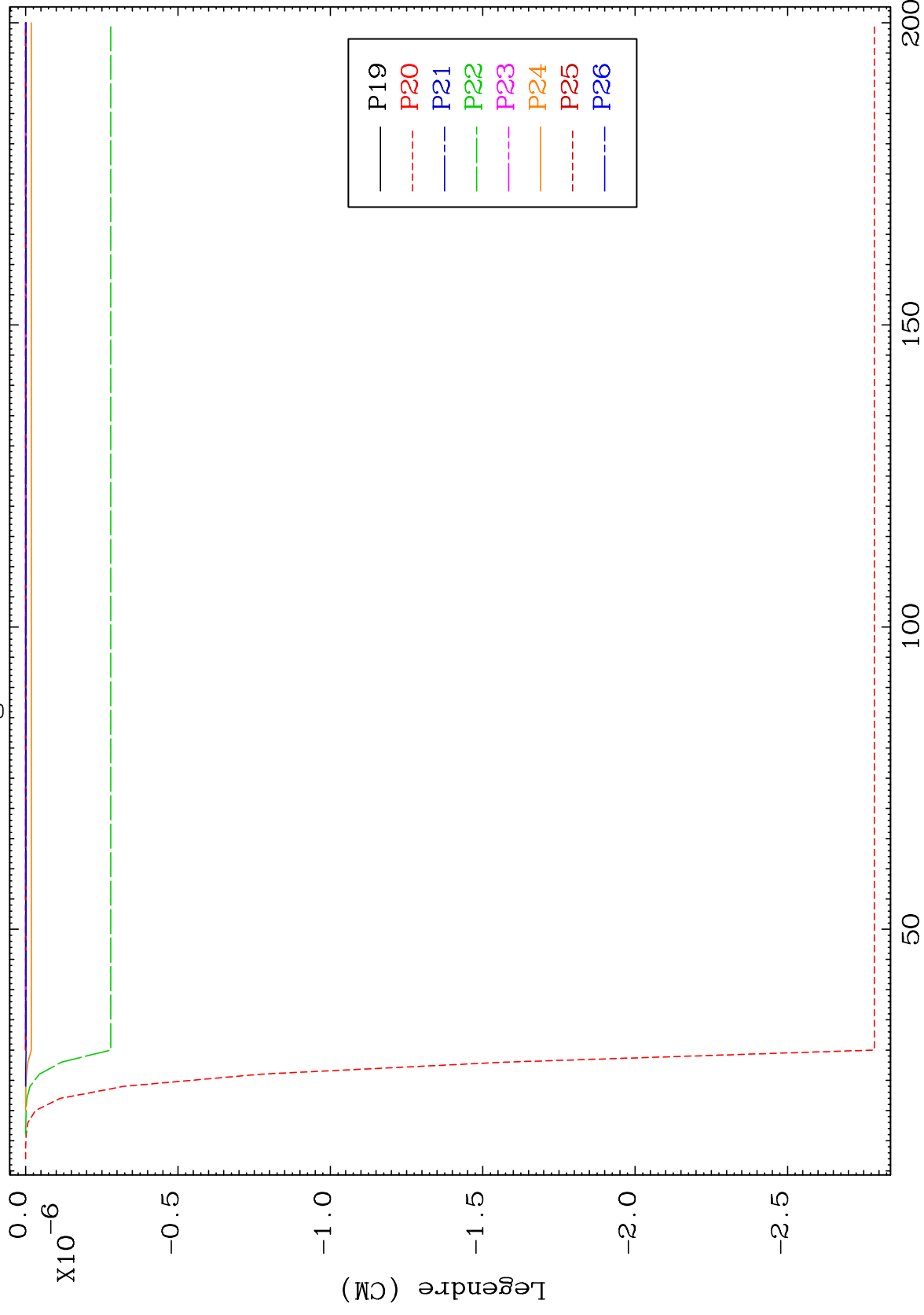
92

68-Er-167

MAT 6840

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

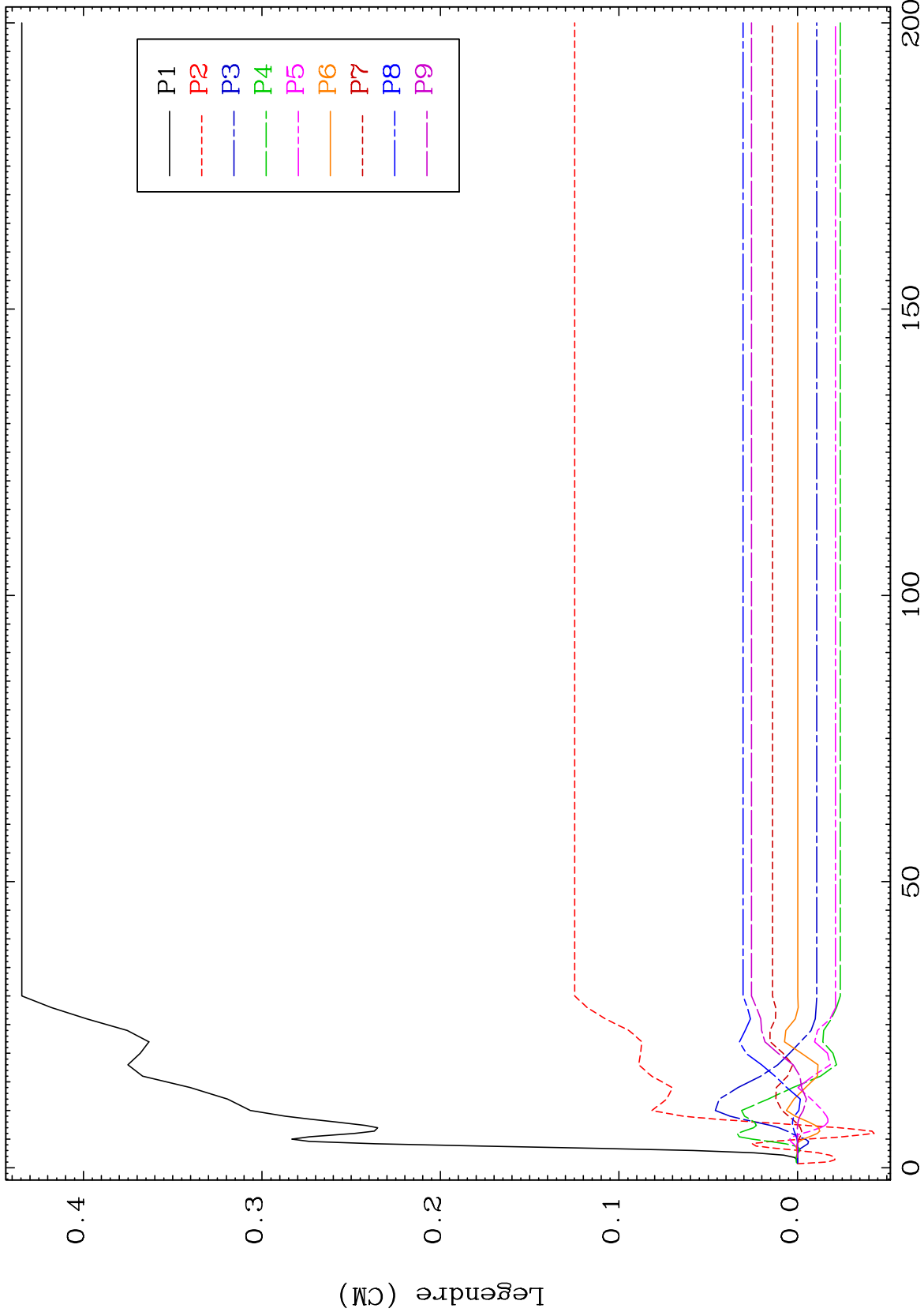
68-Er-167



MAT 6840

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

68-Er-167



94

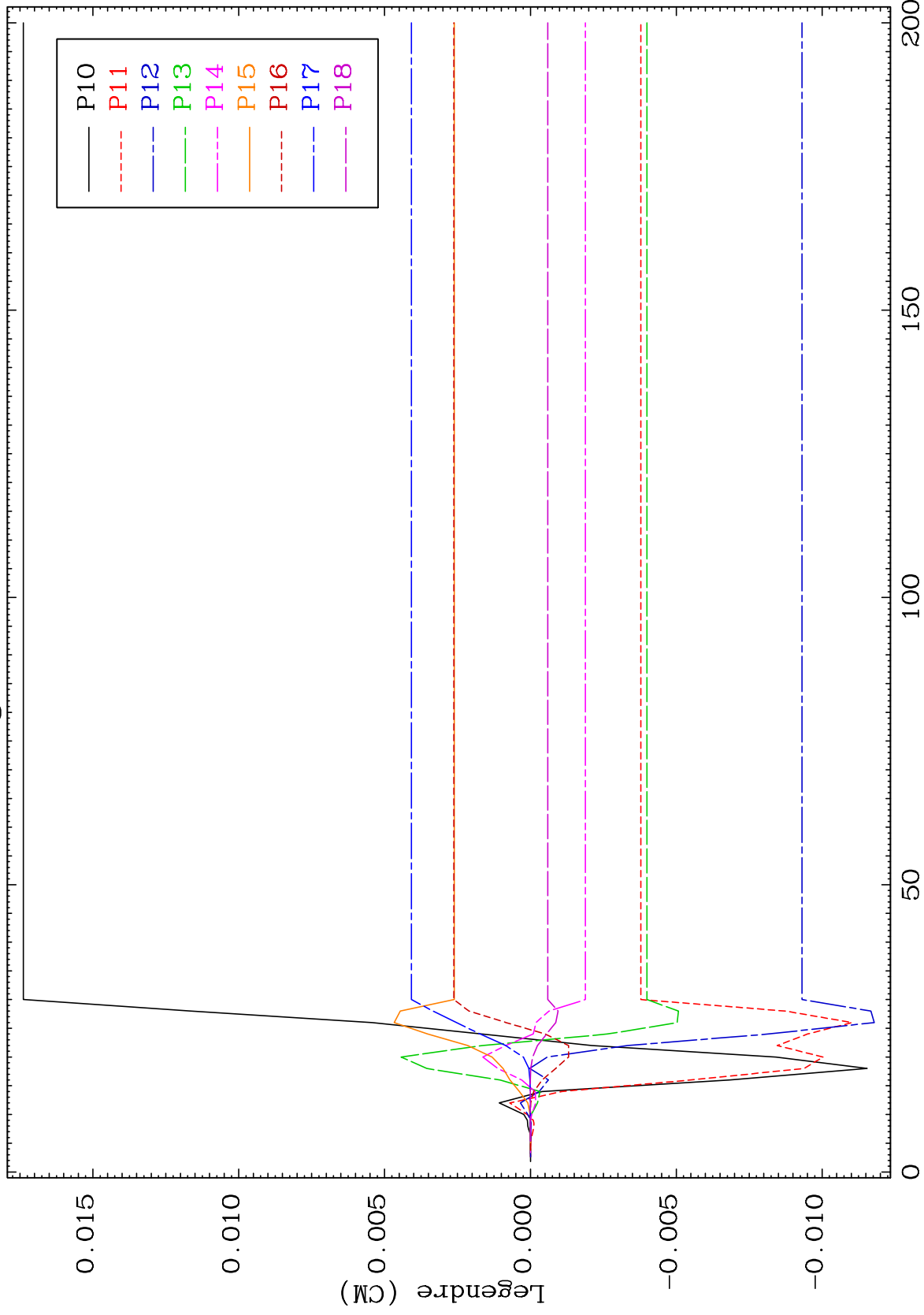
Incident Energy (MeV)

68-Er-167

MAT 6840

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

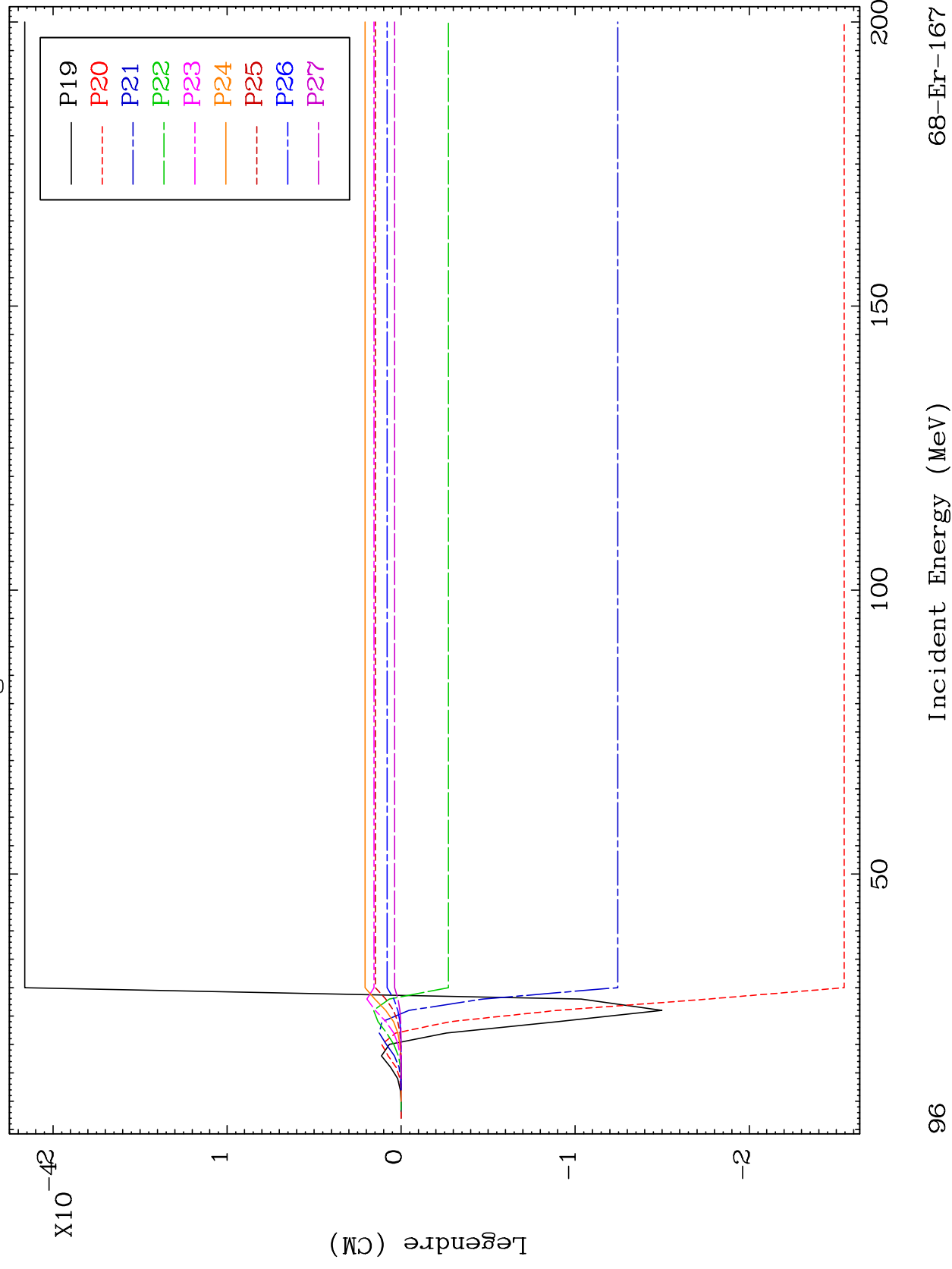
68-Er-167



95

Incident Energy (MeV)

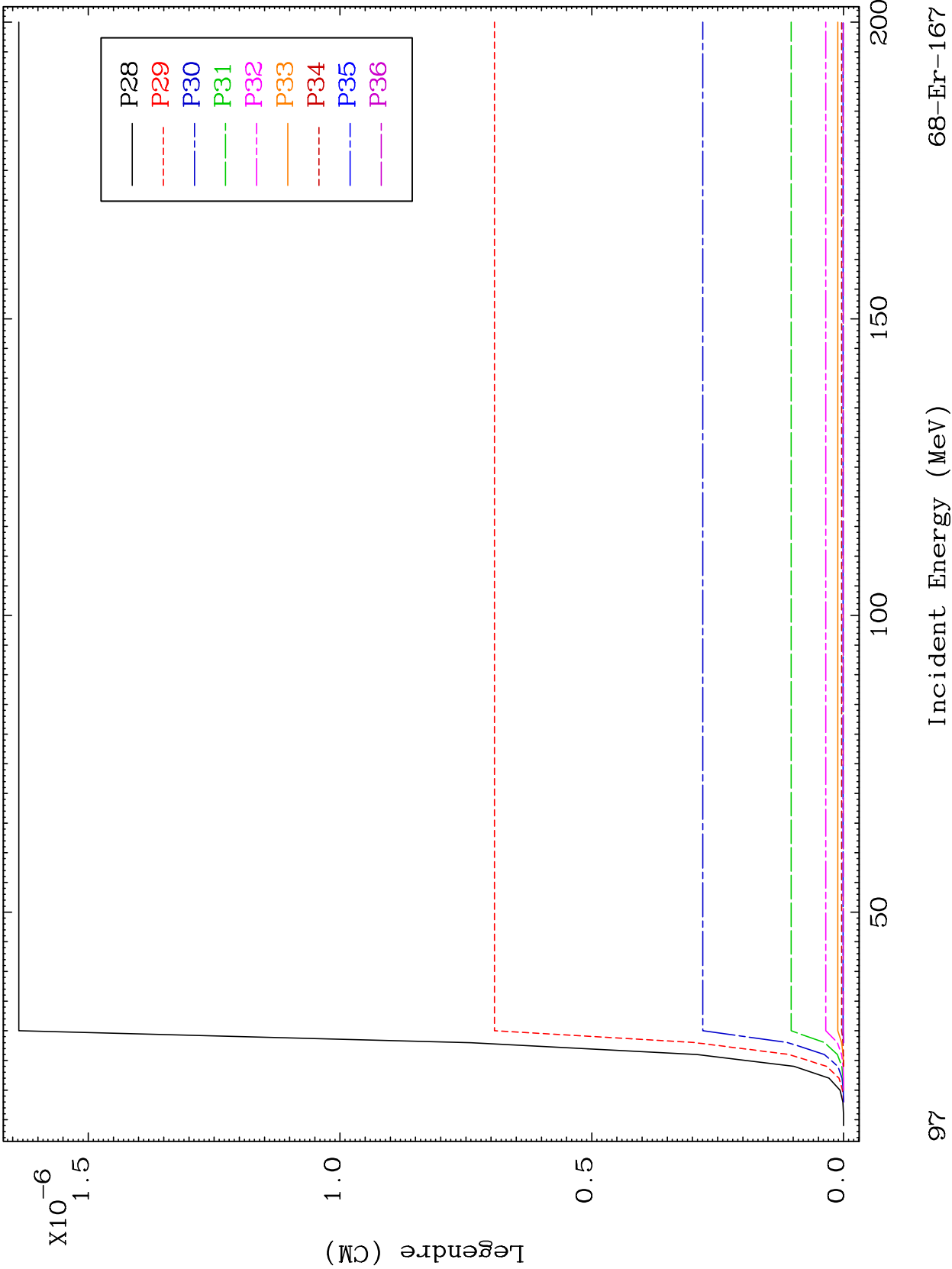
68-Er-167



MAT 6840

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

68-Er-167



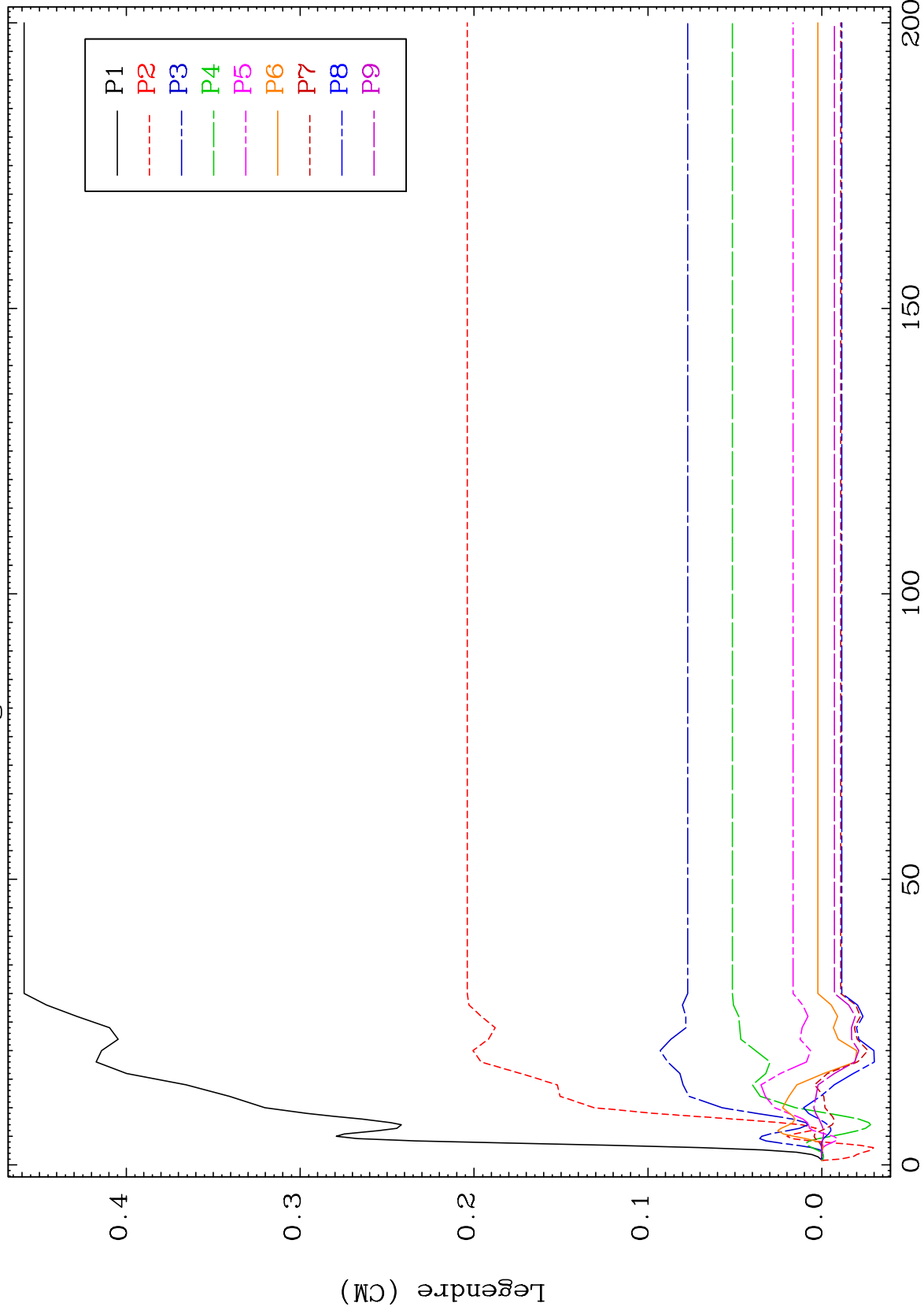
97

68-Er-167

MAT 6840

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

68-Er-167



98

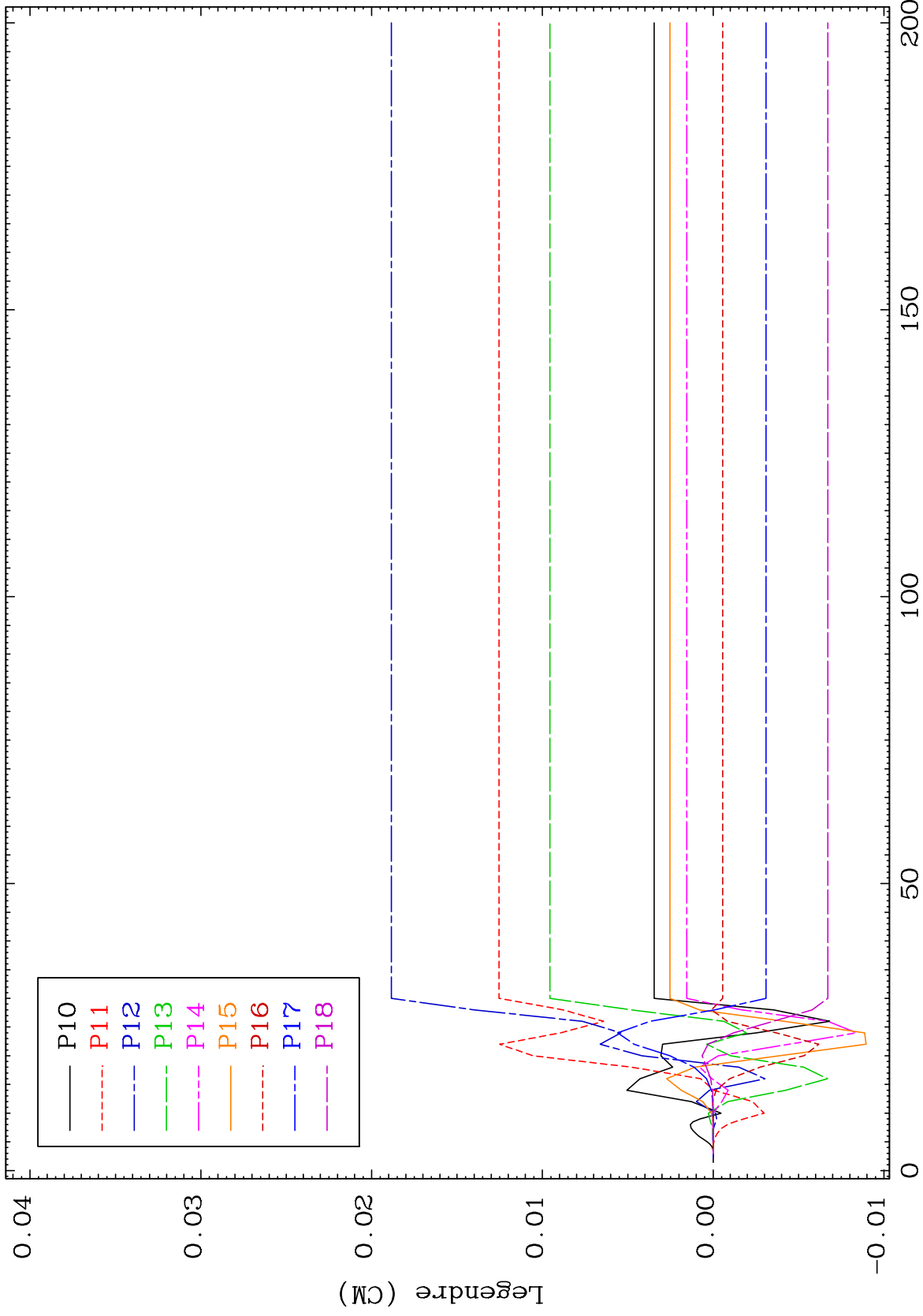
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



99

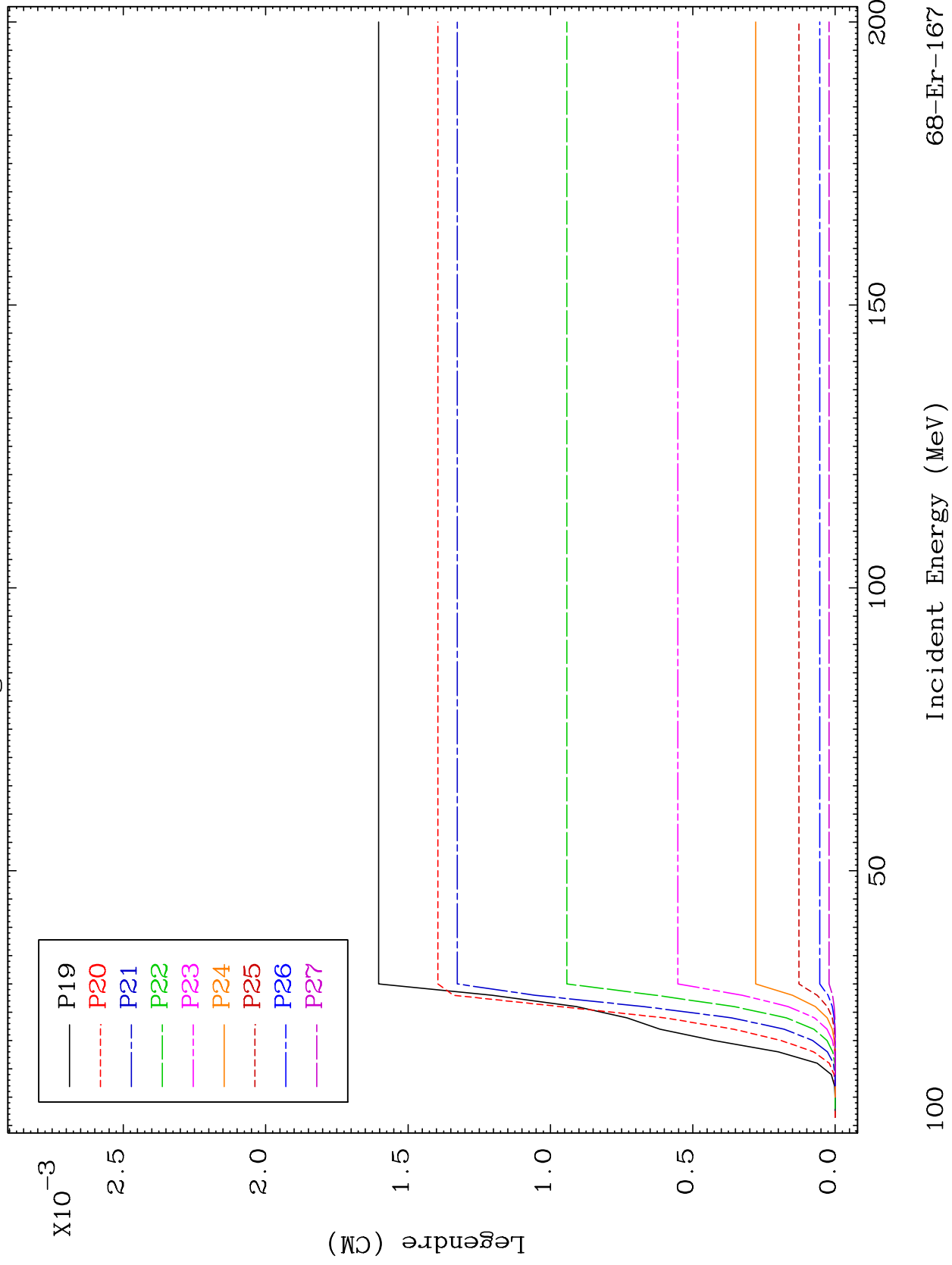
Incident Energy (MeV)

68-Er-167

MAT 6840

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

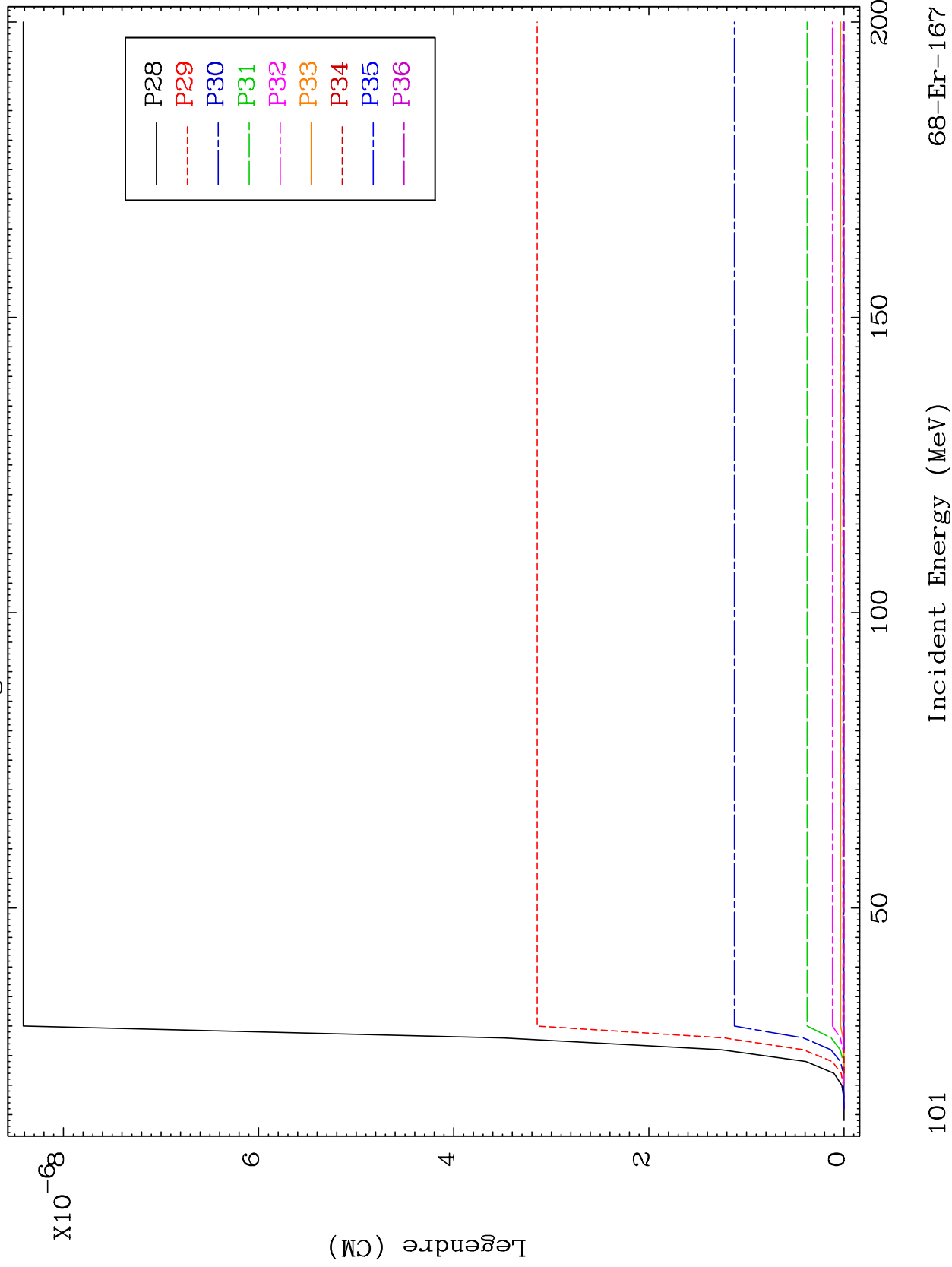
68-Er-167



MAT 6840

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

68-Er-167



101

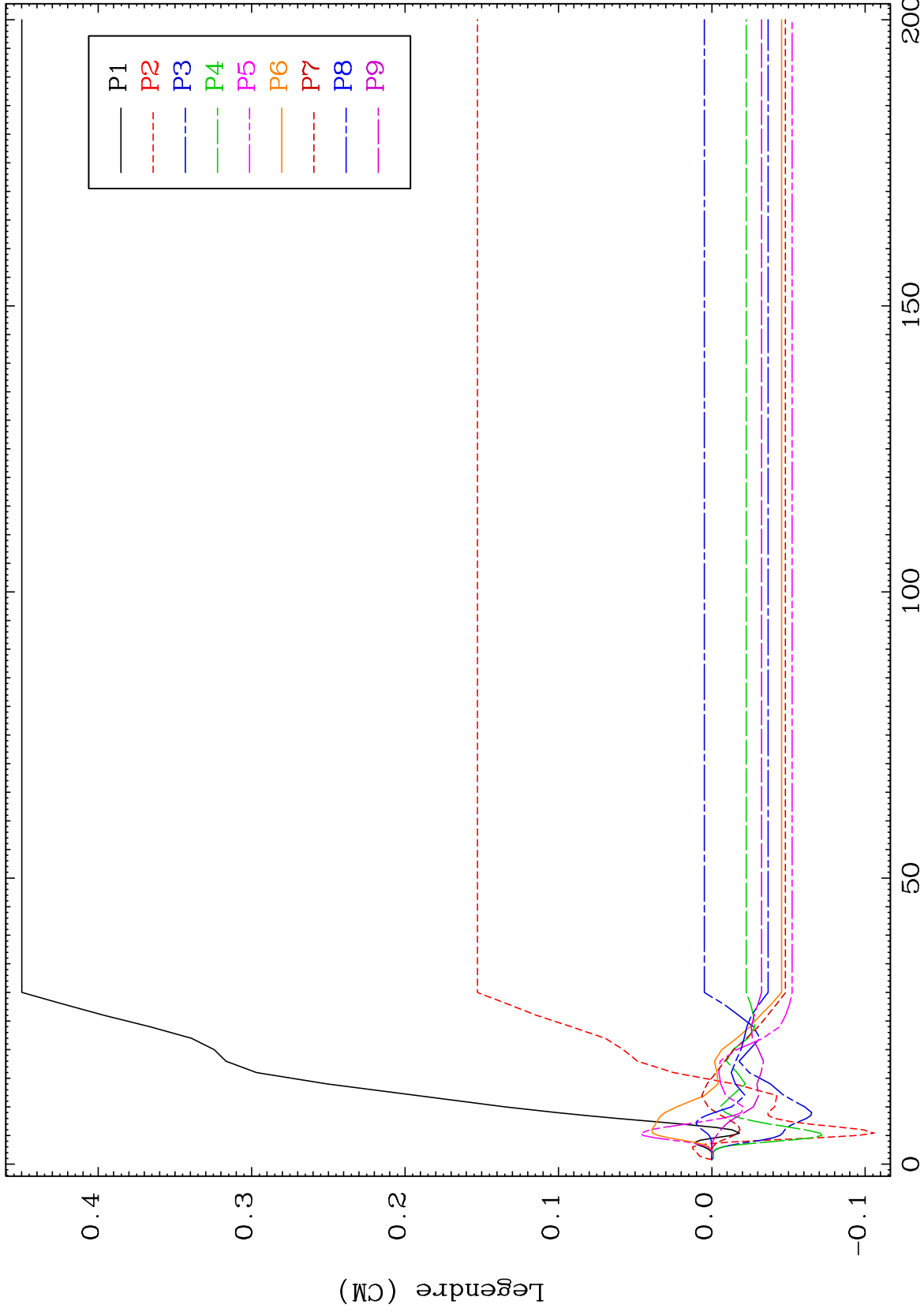
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



102

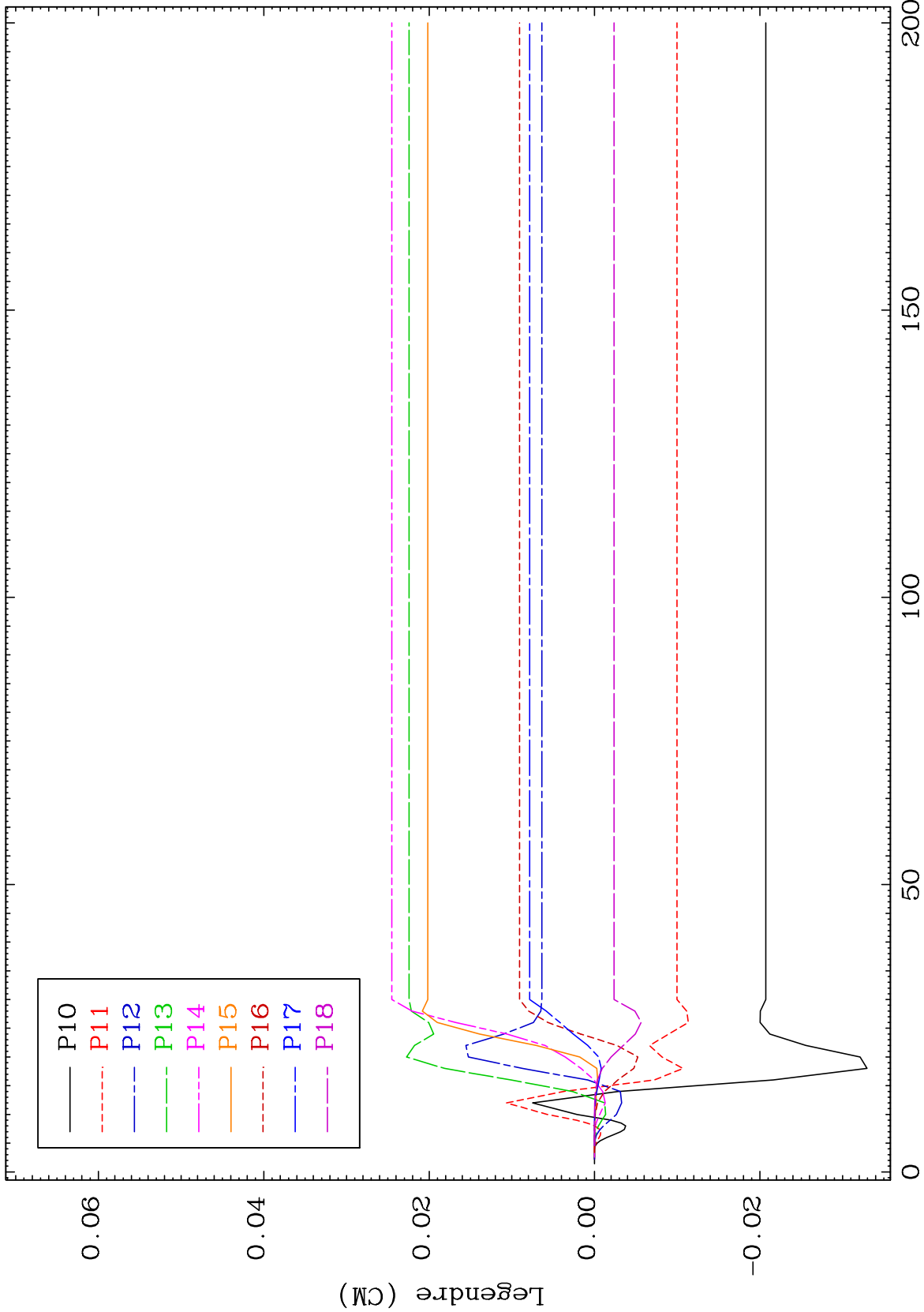
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



103

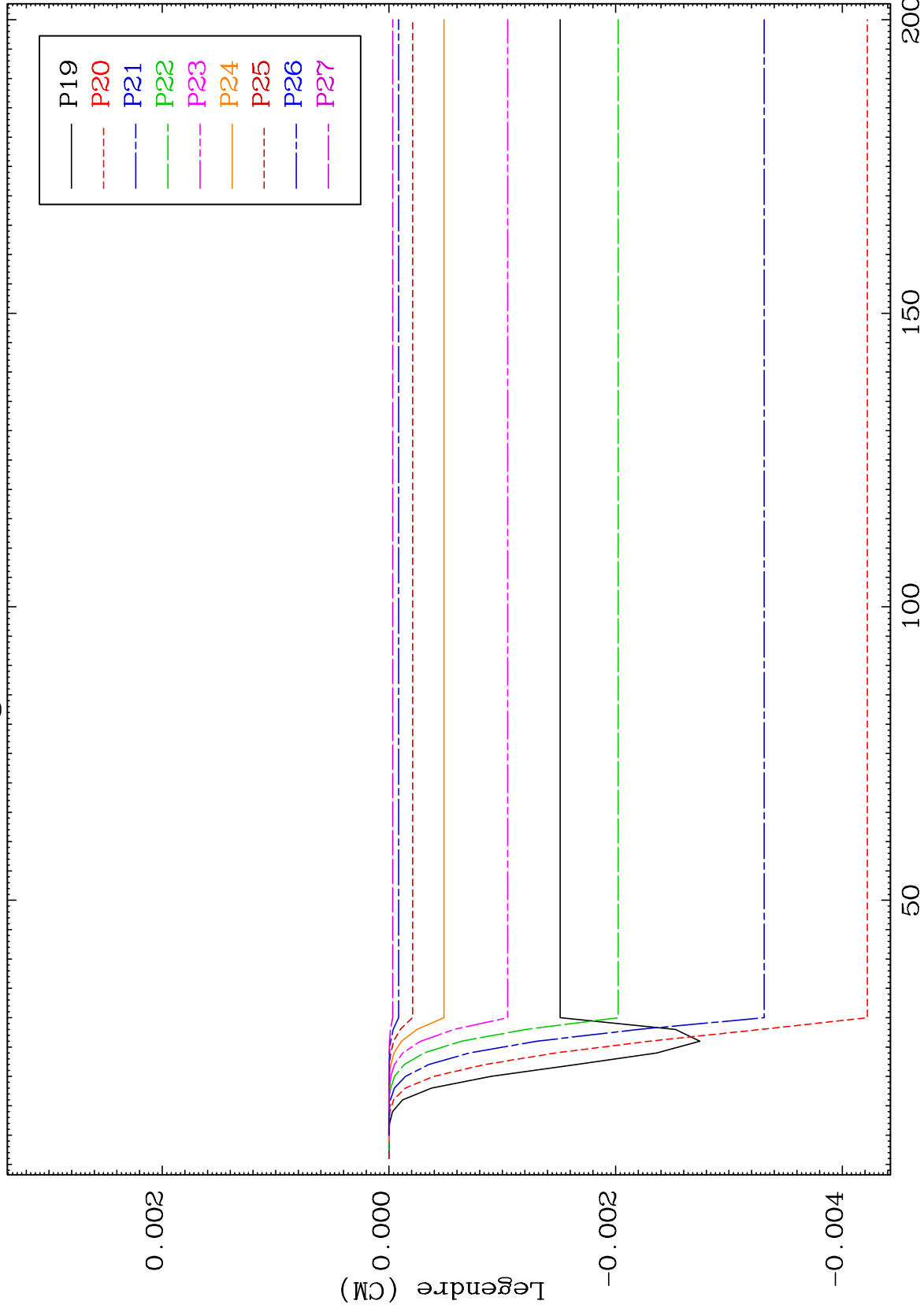
Incident Energy (MeV)

68-Er-167

MAT 6840

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

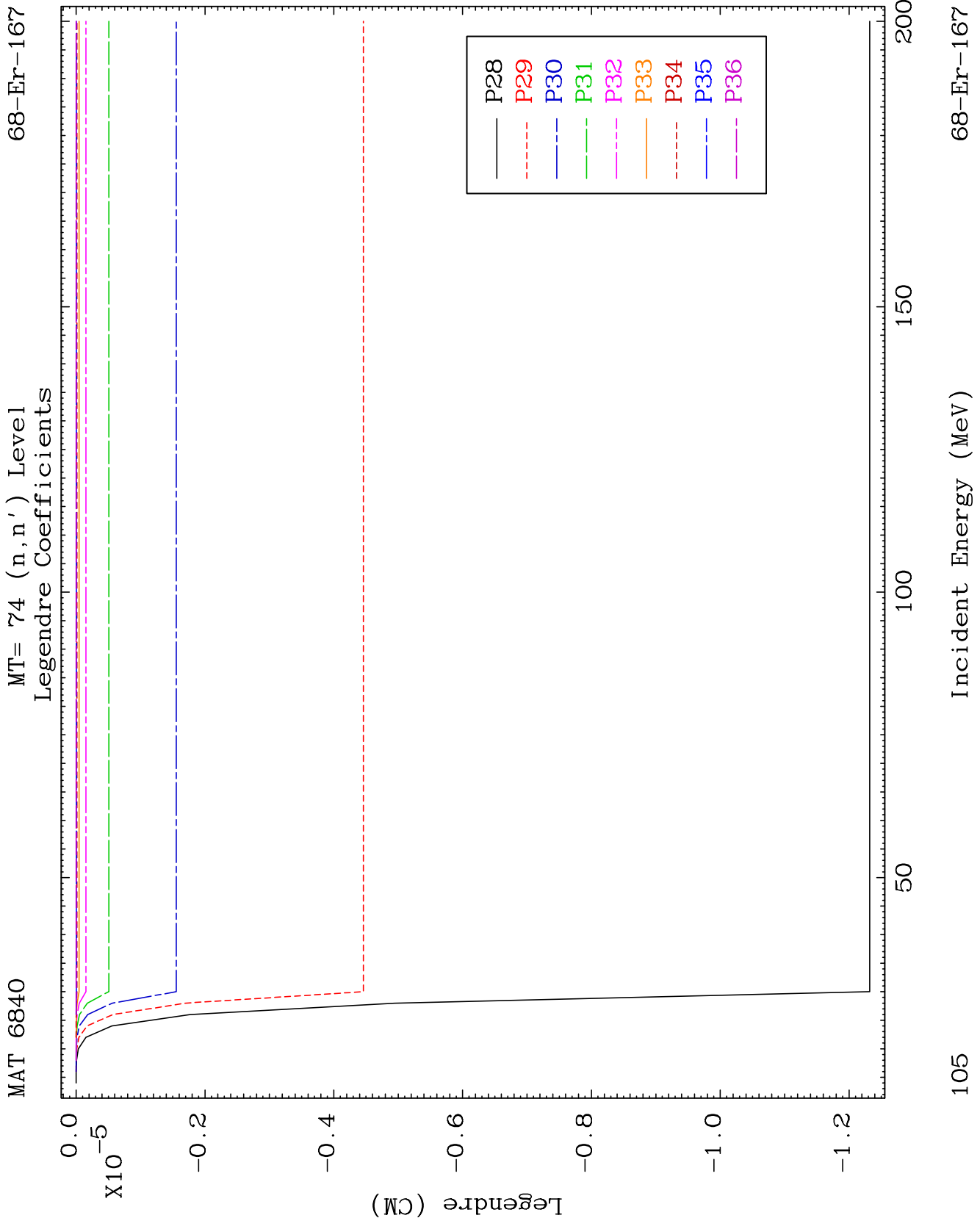
68-Er-167

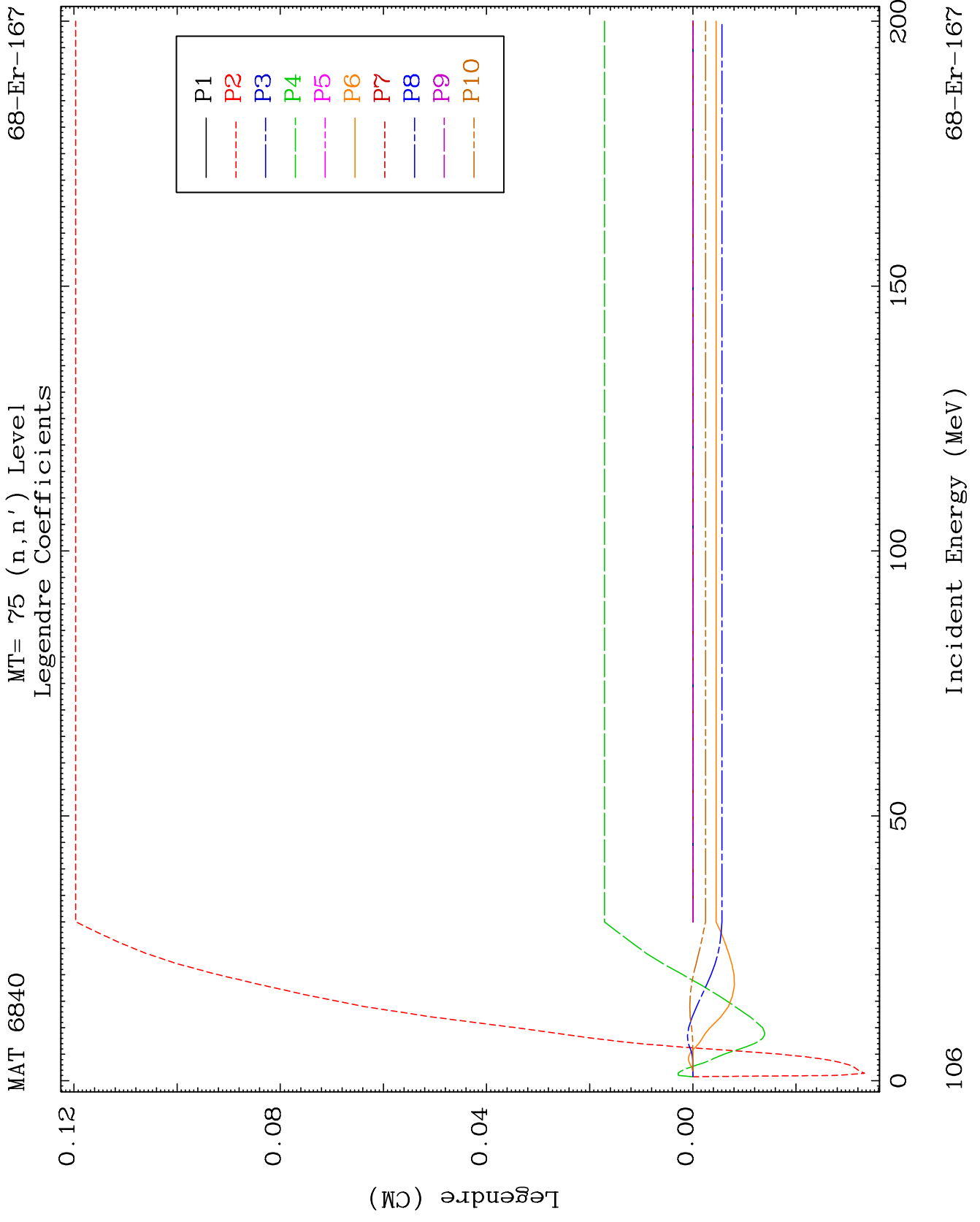


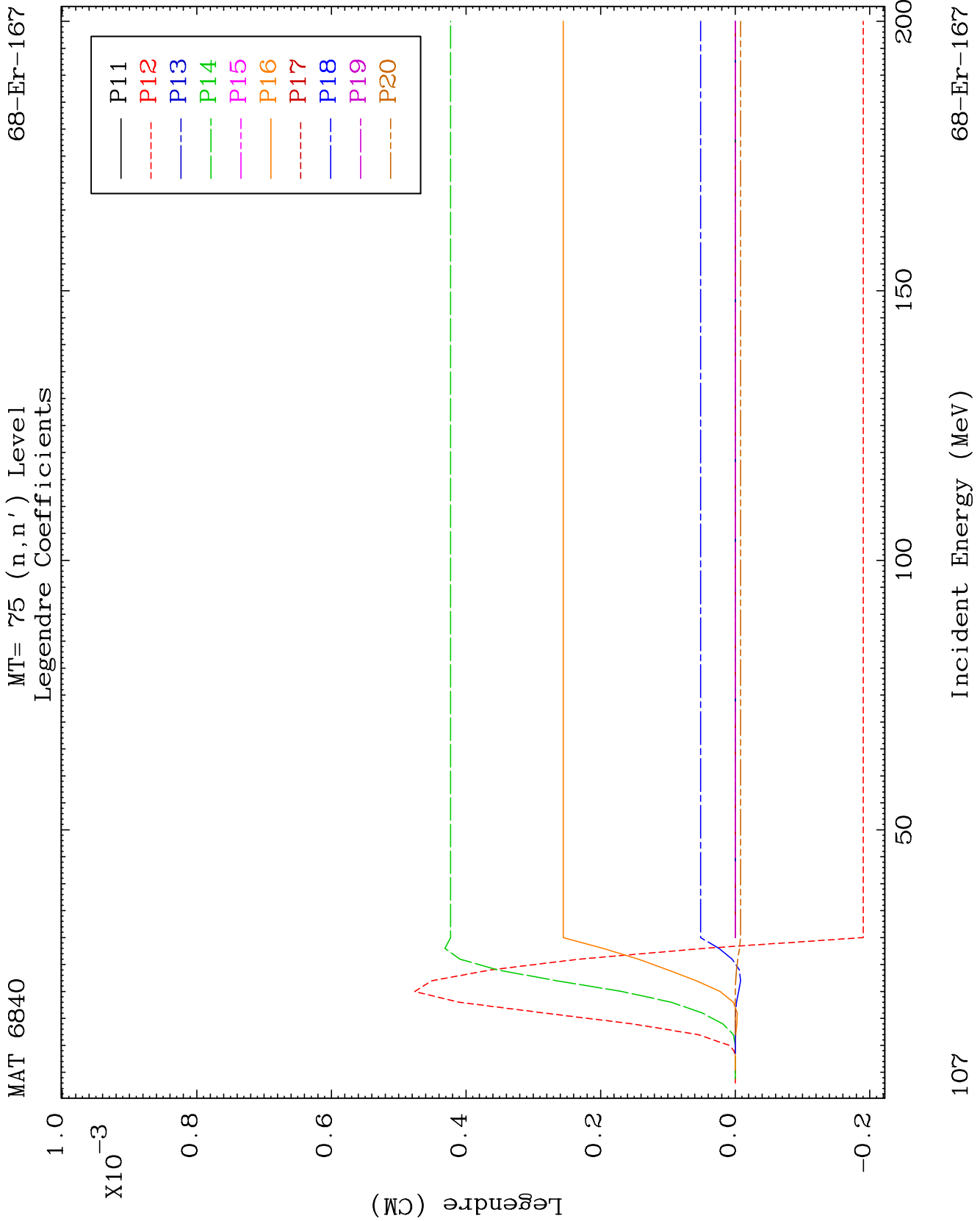
104

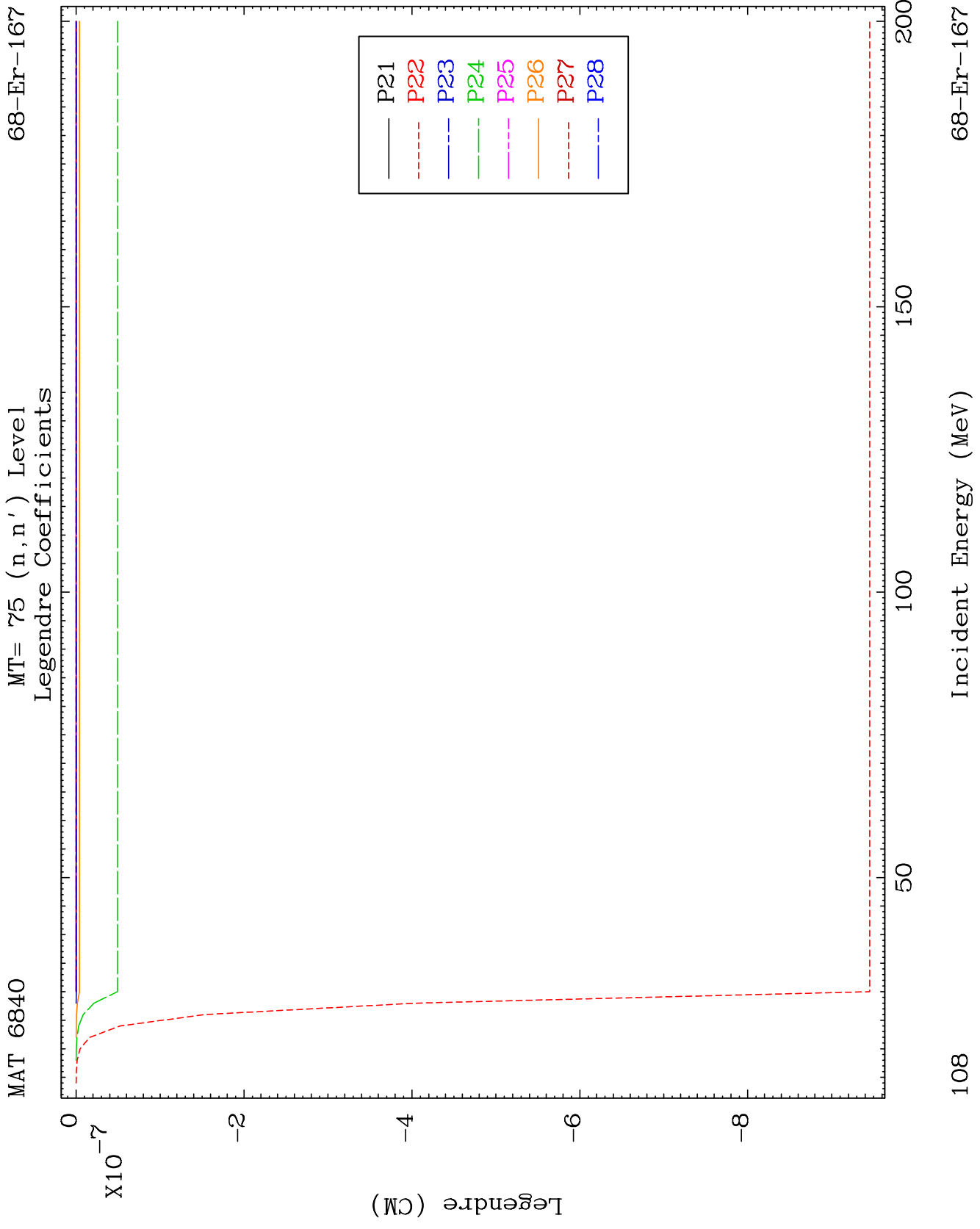
Incident Energy (MeV)

68-Er-167





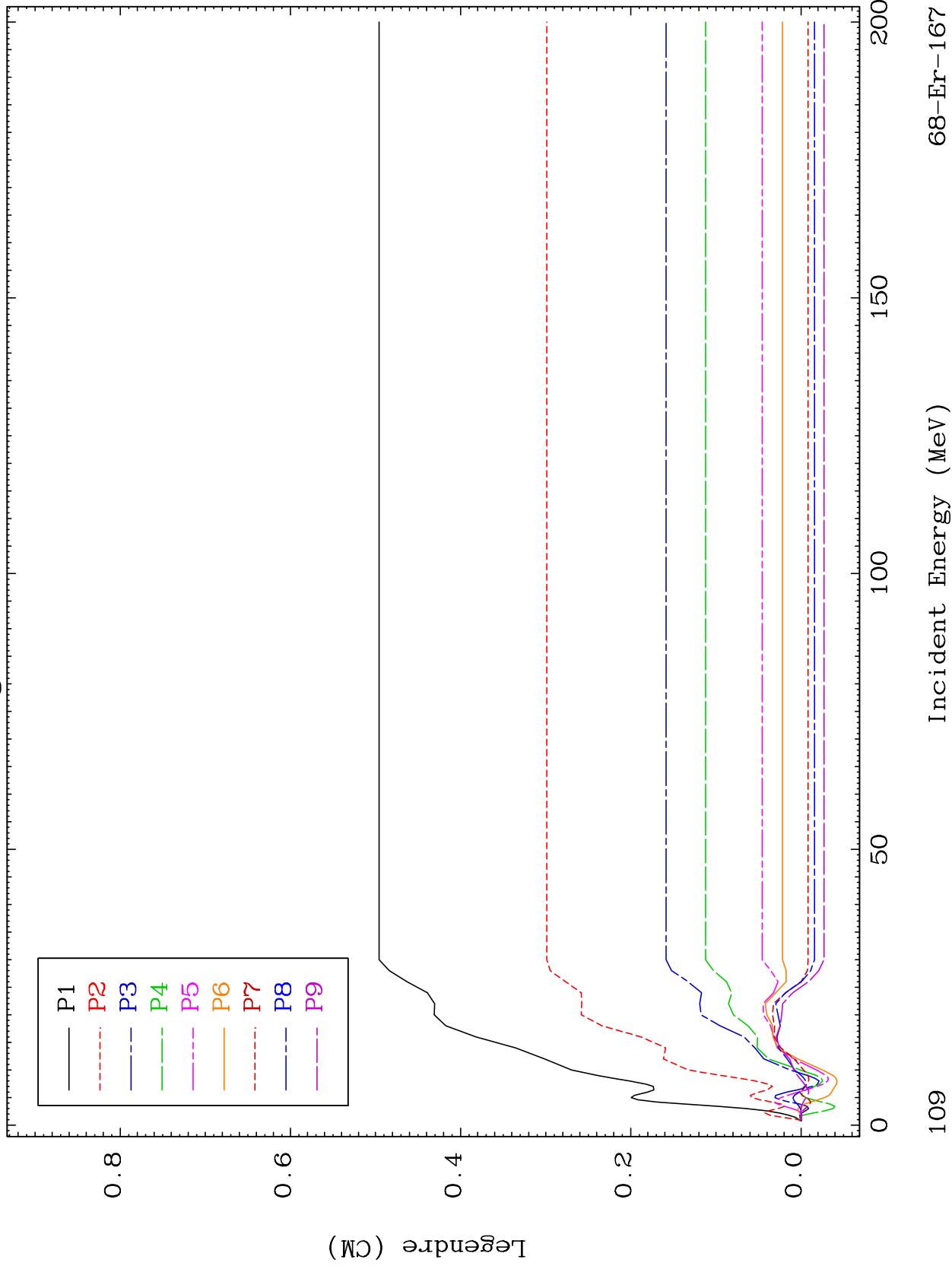




MAT 6840

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

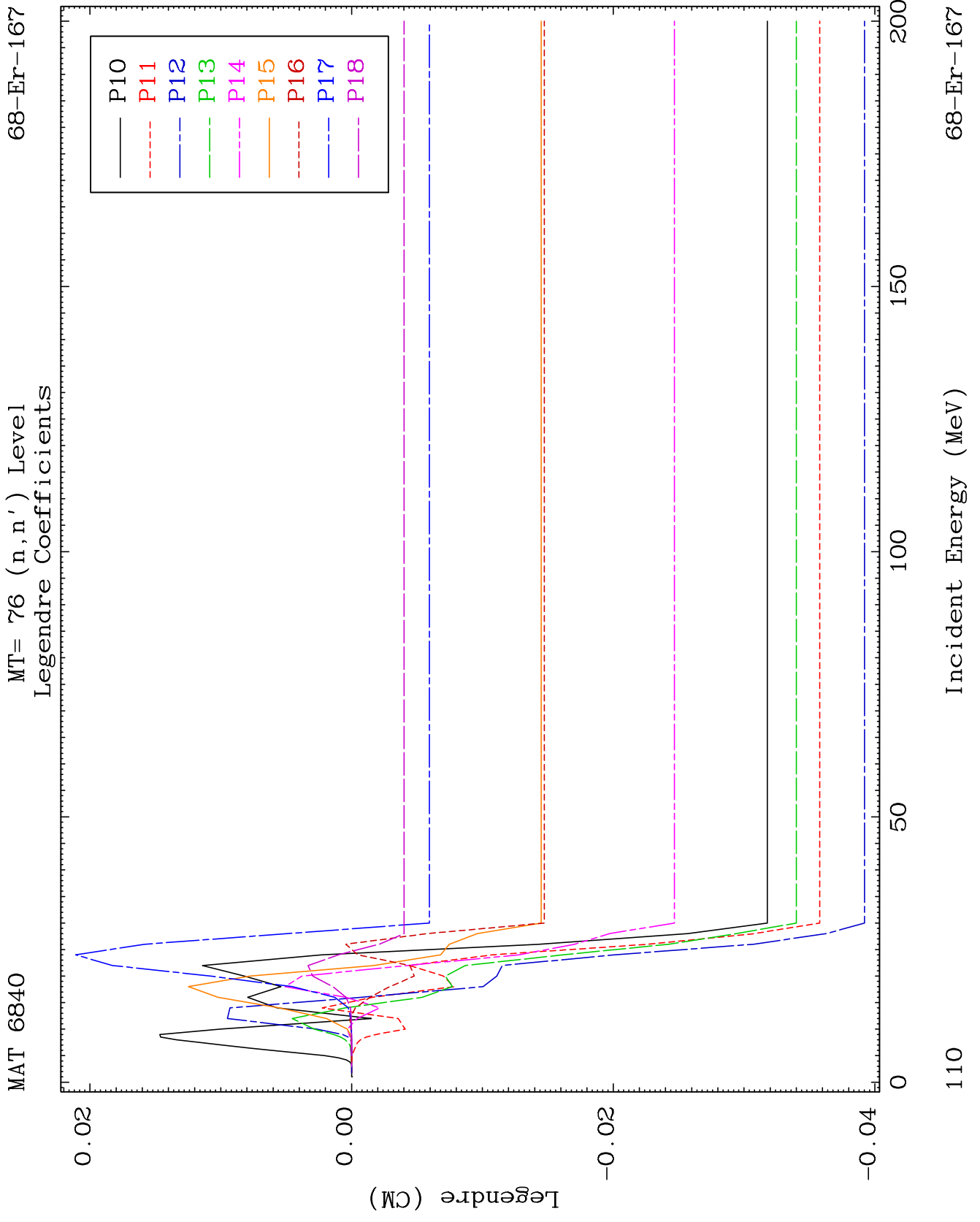
68-Er-167



68-Er-167

Incident Energy (MeV)

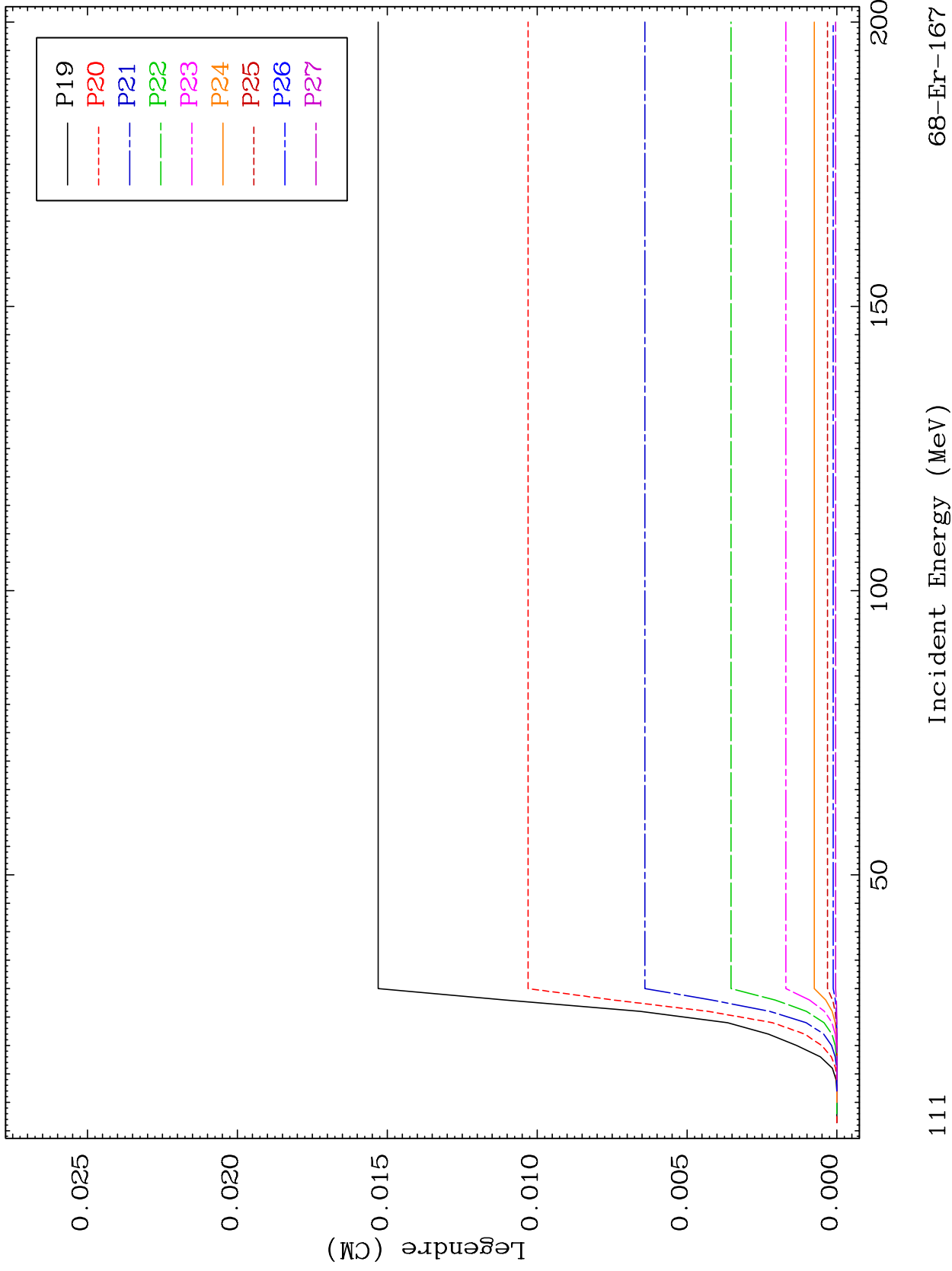
109



MAT 6840

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

68-Er-167



111

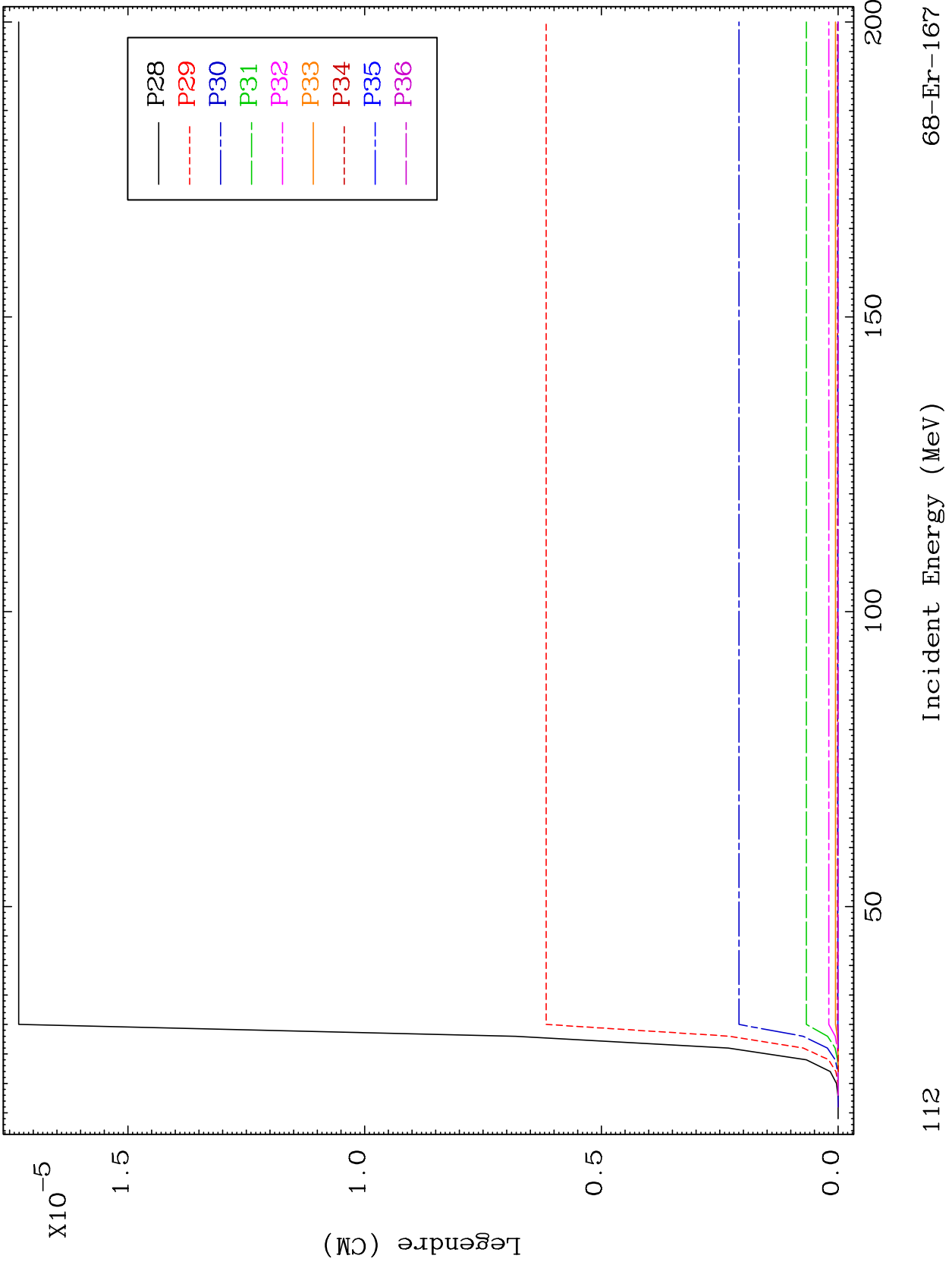
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



112

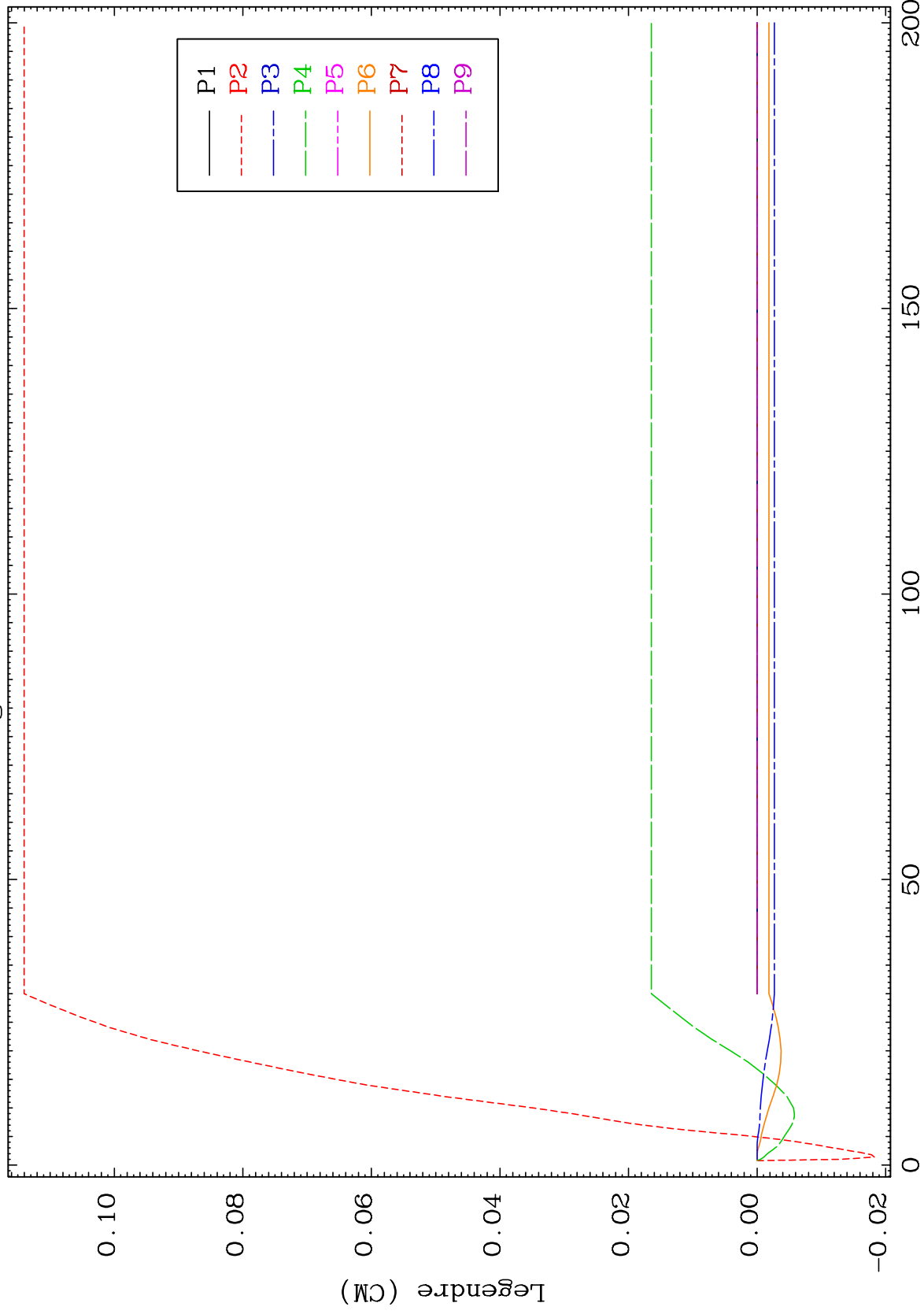
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



113

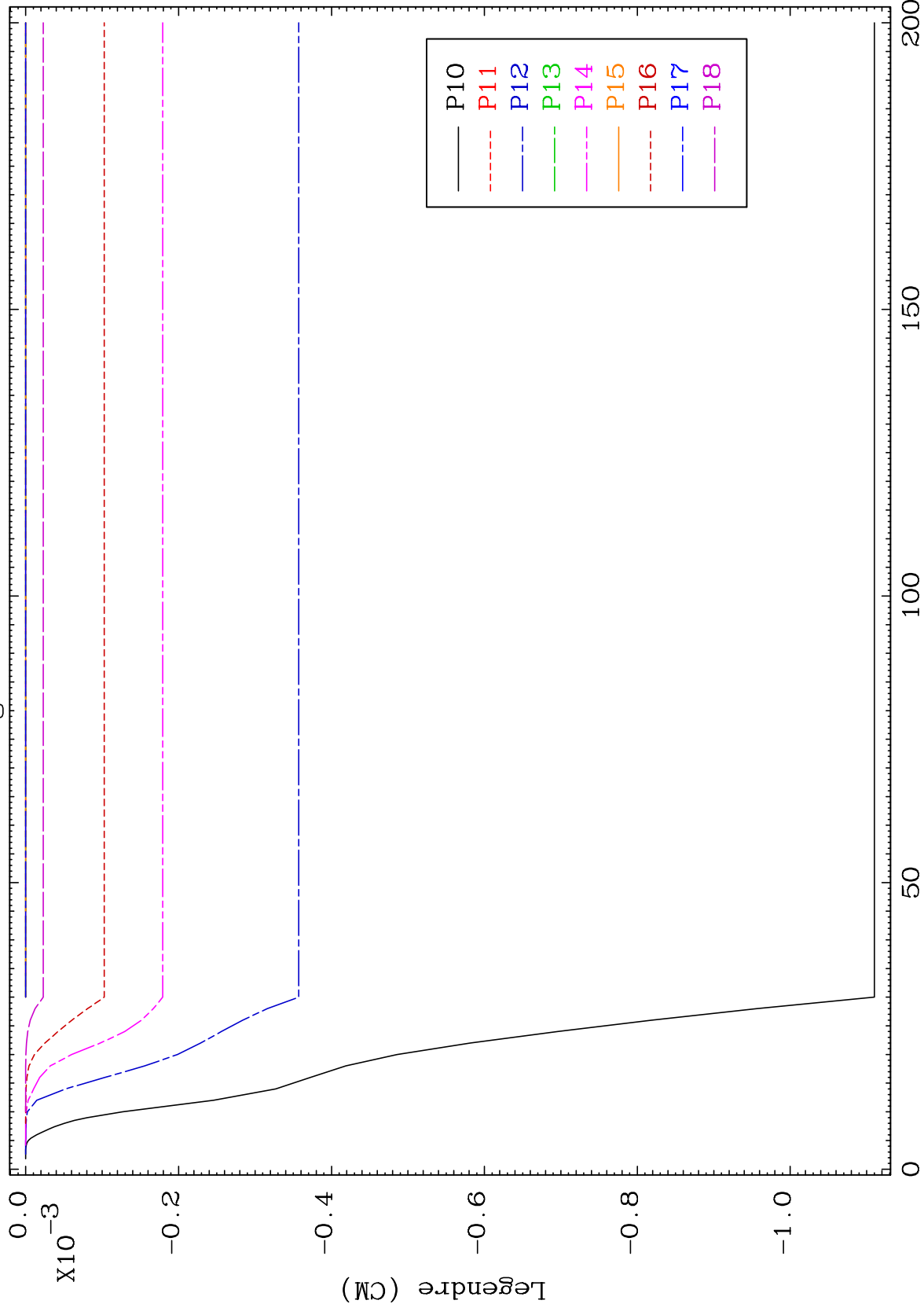
Incident Energy (MeV)

68-Er-167

MAT 6840

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

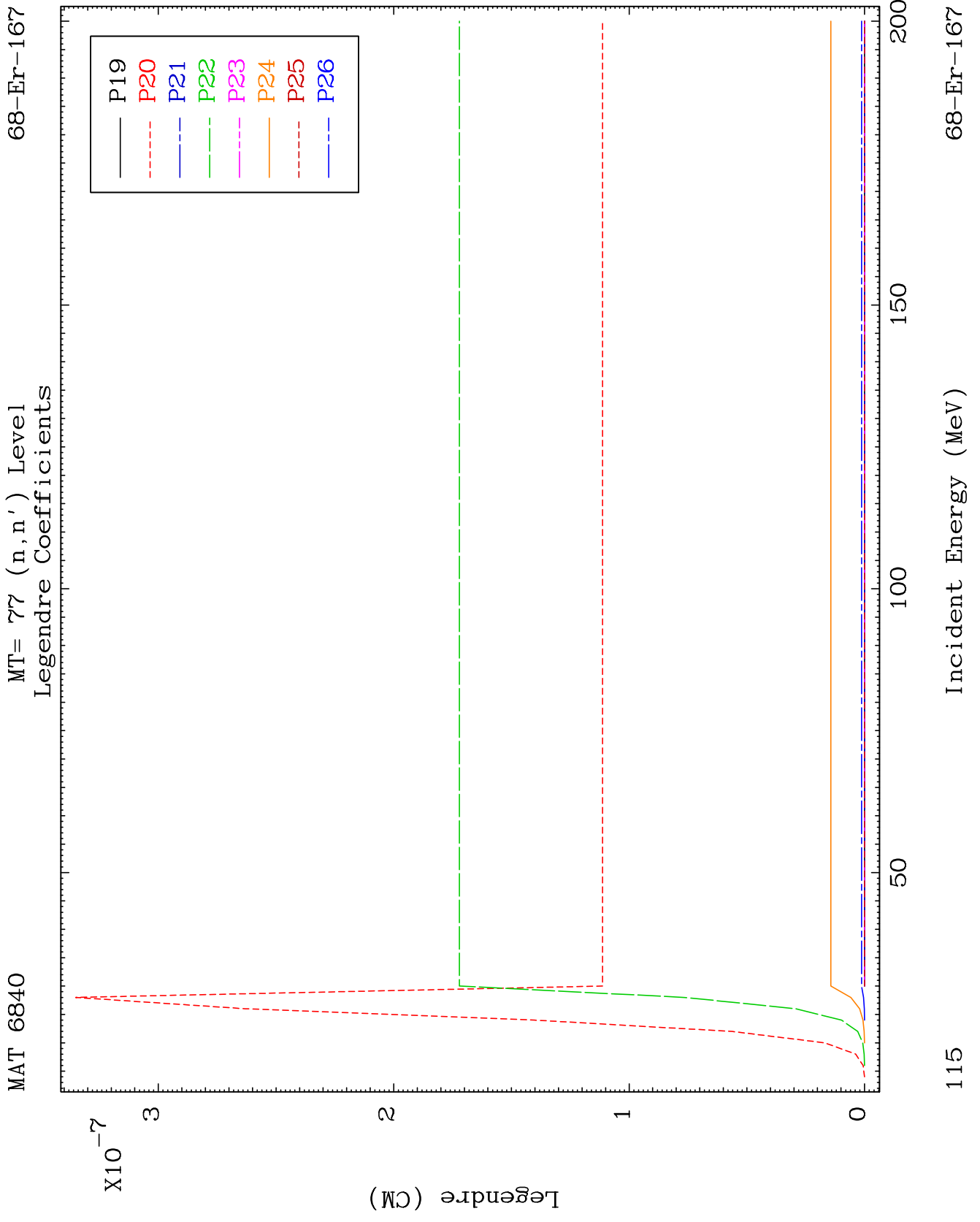
68-Er-167

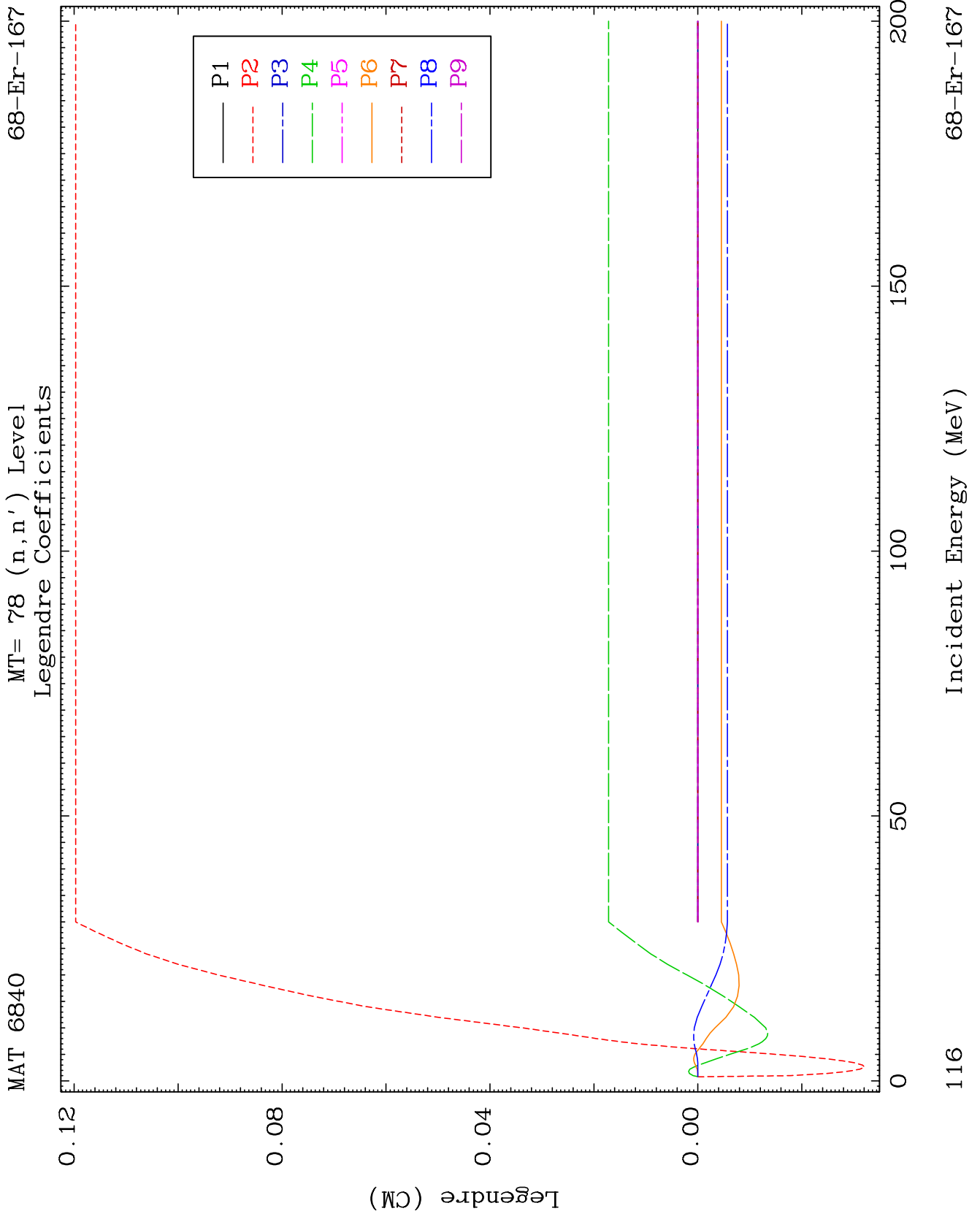


114

Incident Energy (MeV)

68-Er-167

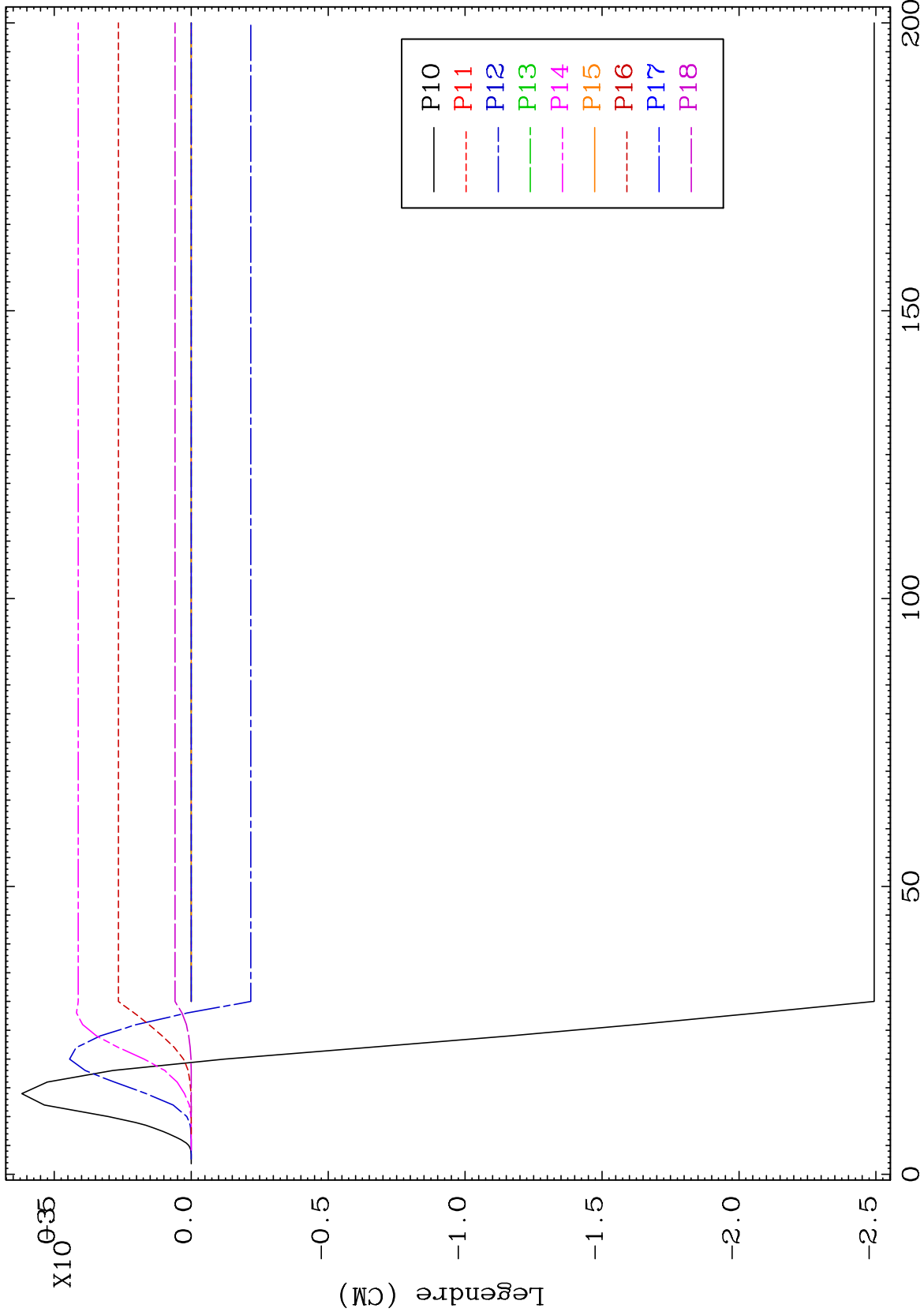




MAT 6840

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

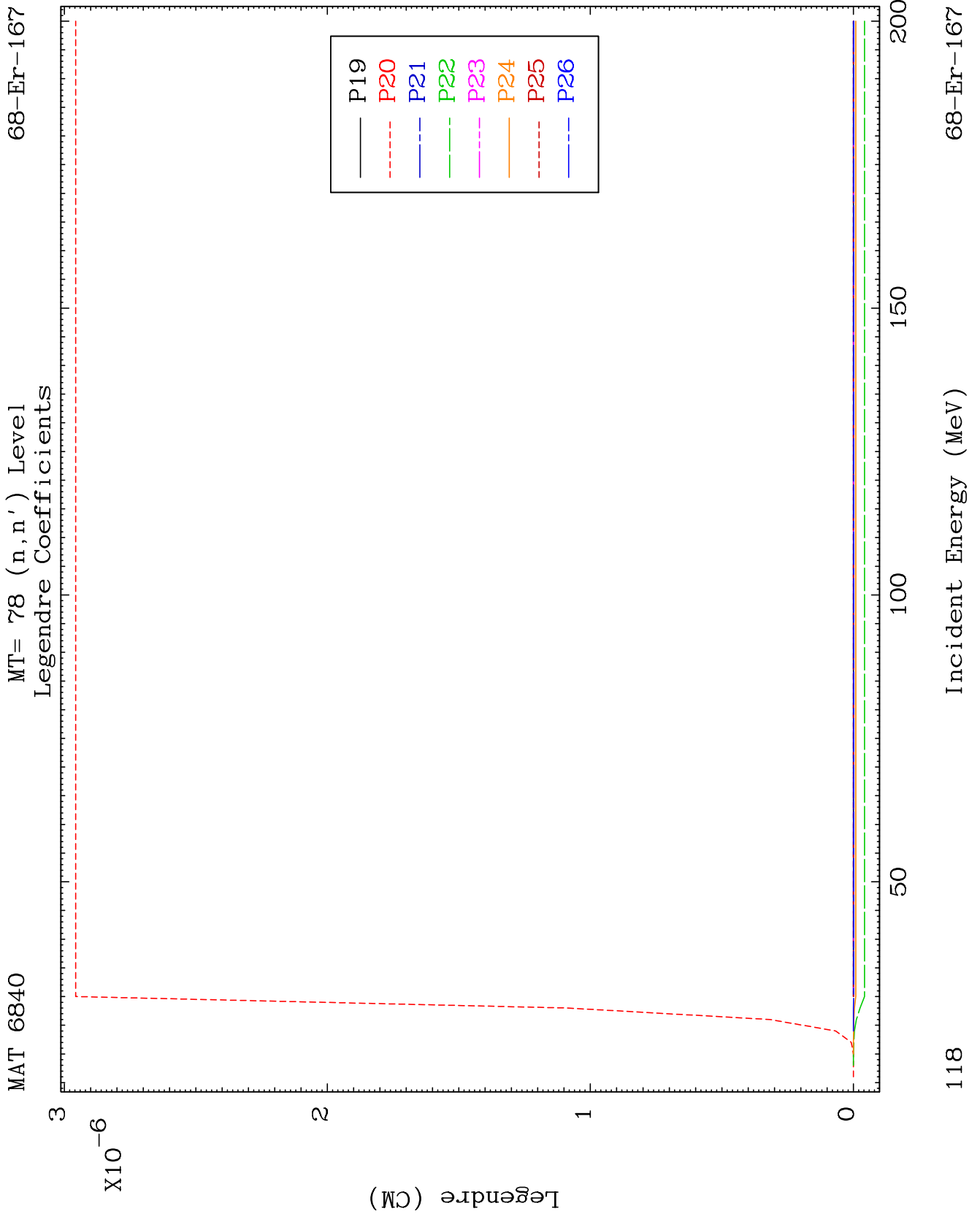
68-Er-167



117

Incident Energy (MeV)

68-Er-167



68-Er-167

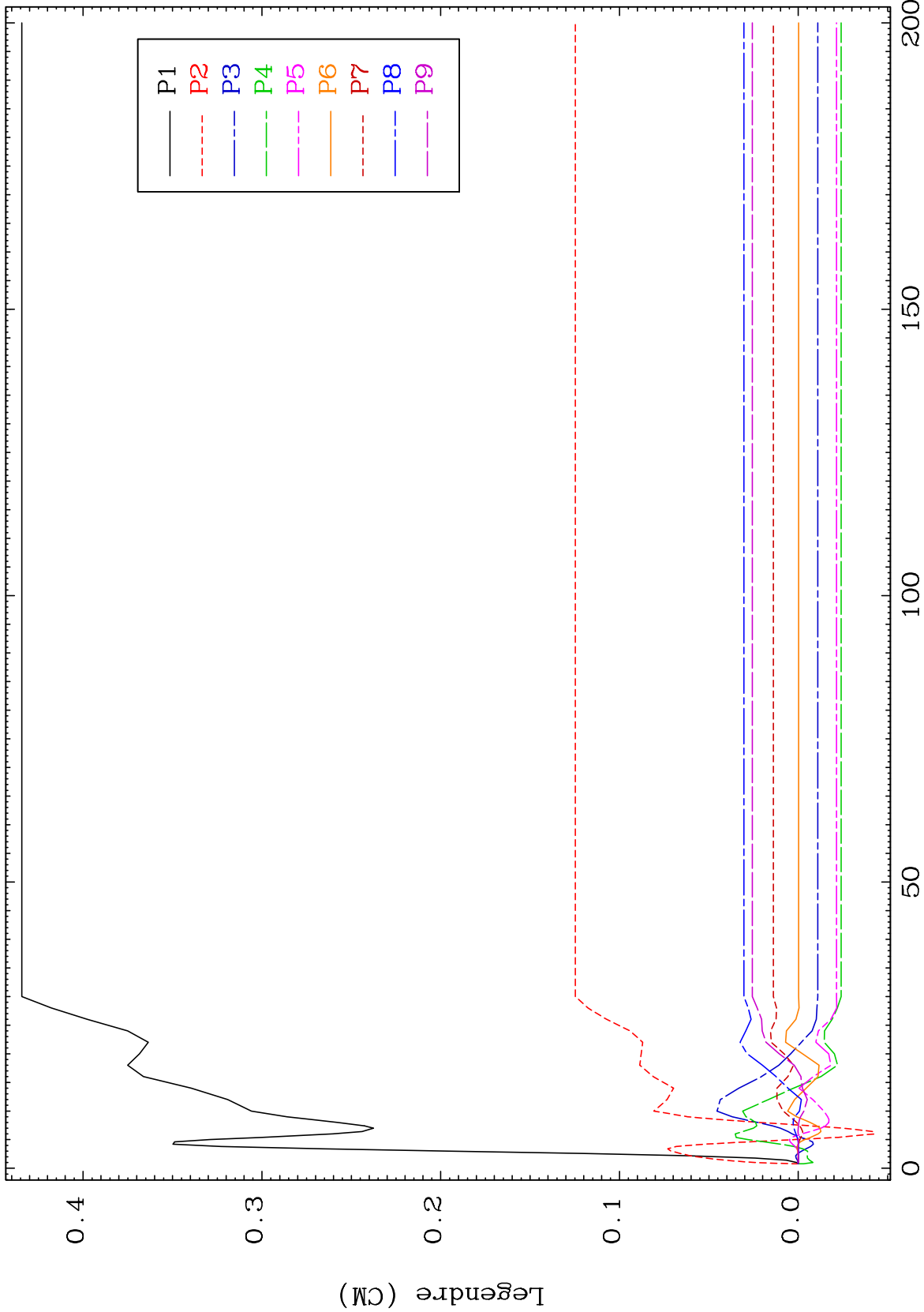
Incident Energy (MeV)

118

MAT 6840

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

68-Er-167



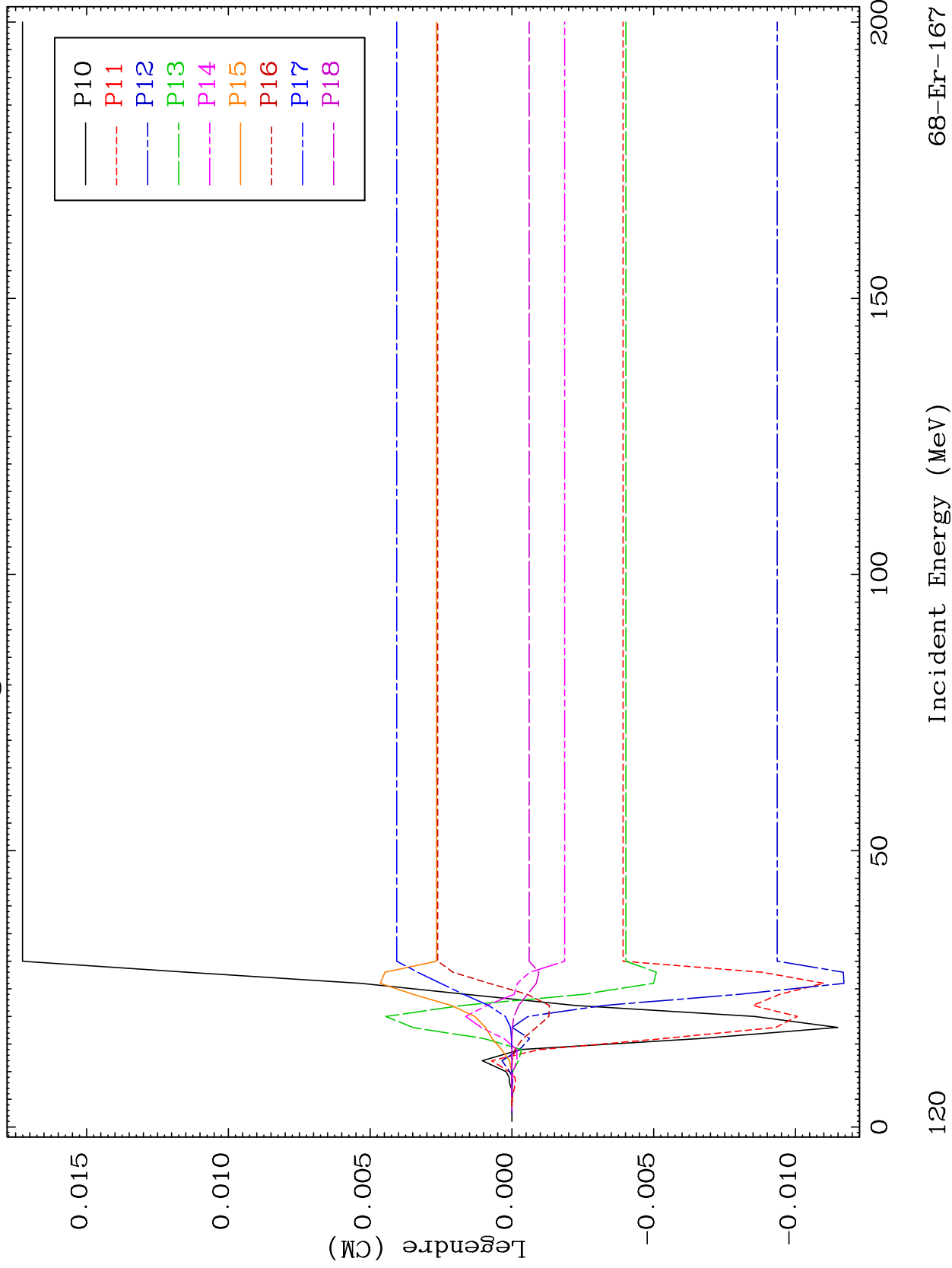
119

68-Er-167

MAT 6840

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

68-Er-167



68-Er-167

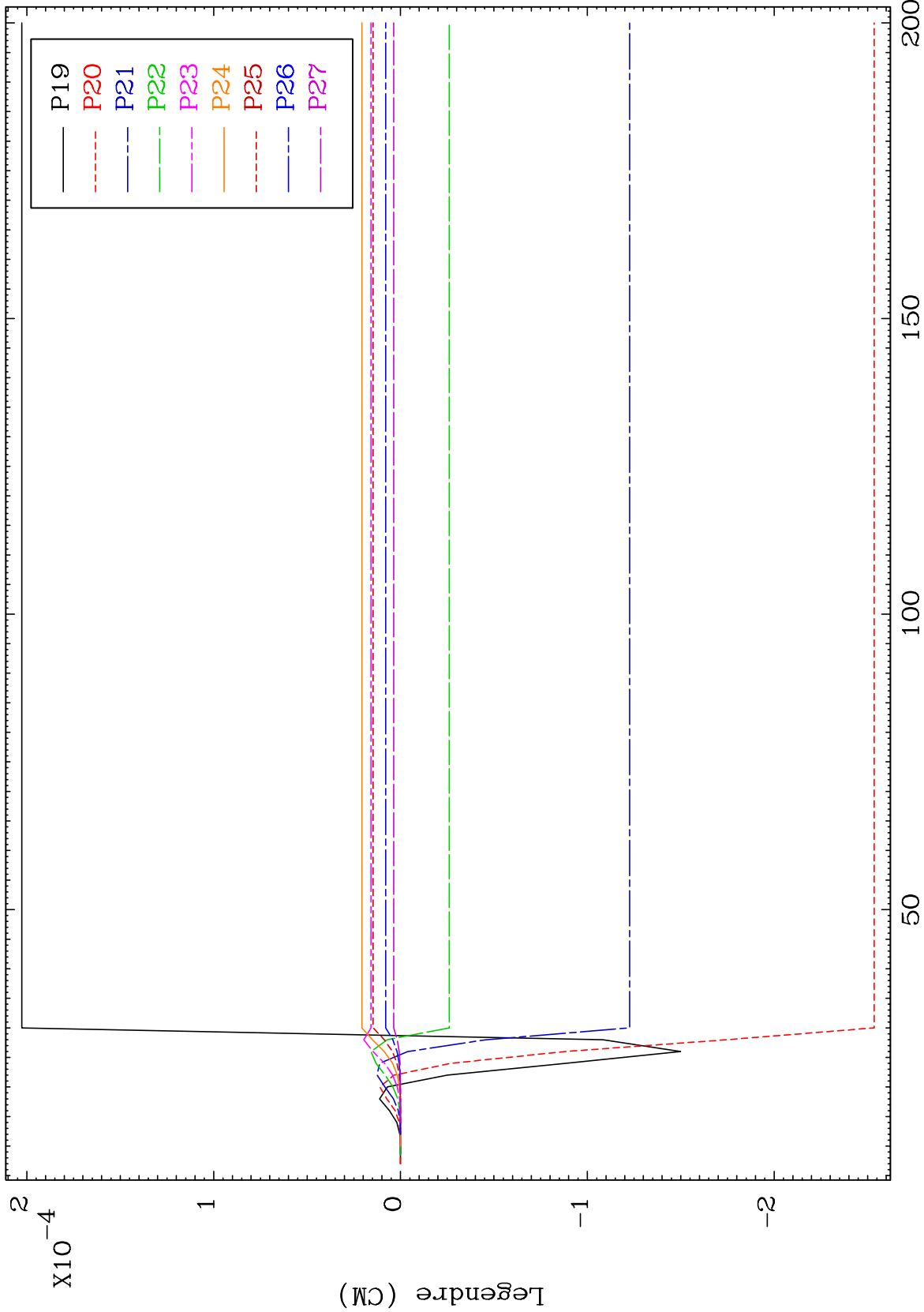
Incident Energy (MeV)

120

MAT 6840

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

68-Er-167



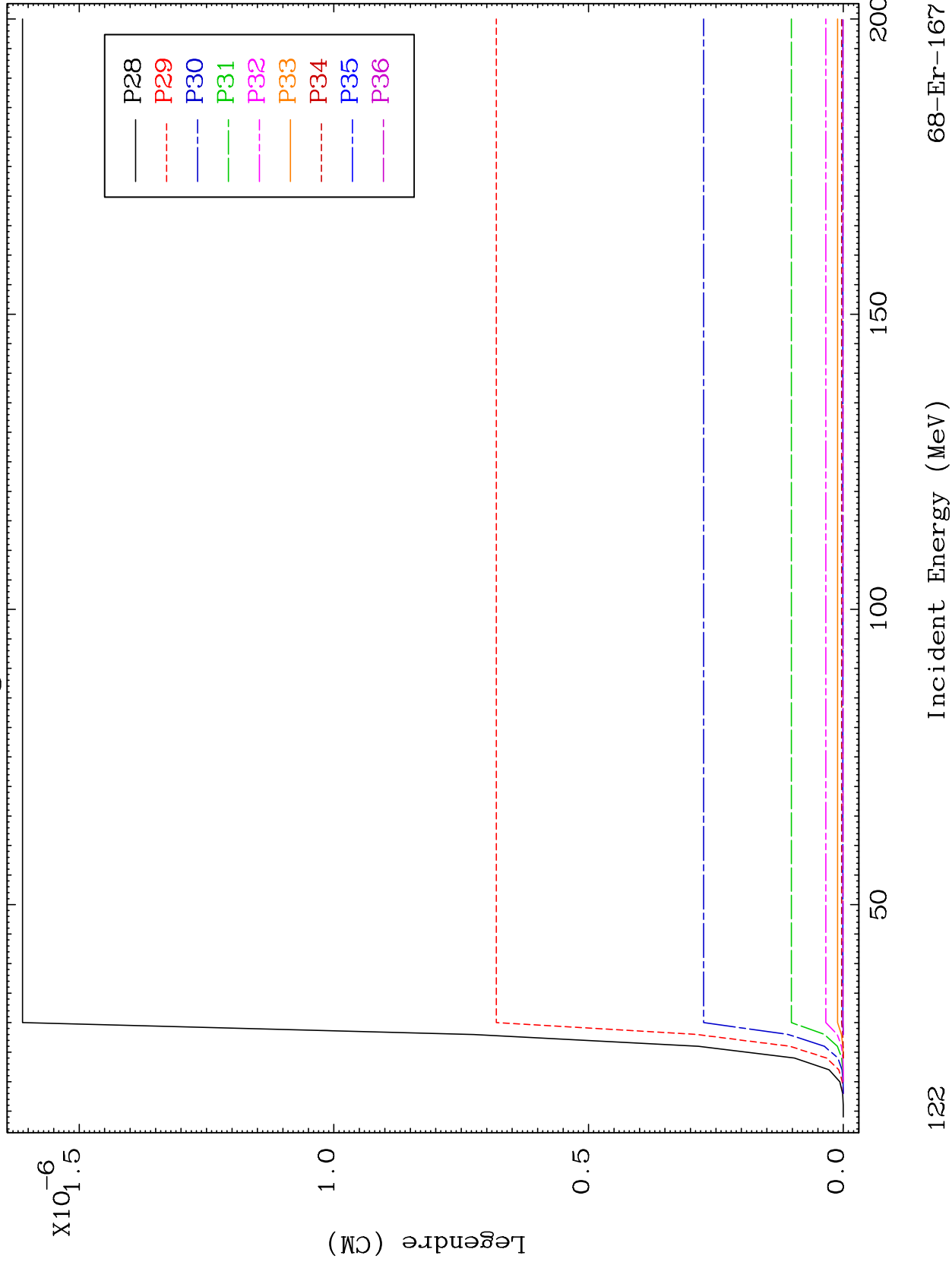
121

68-Er-167

MAT 6840

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

68-Er-167



122

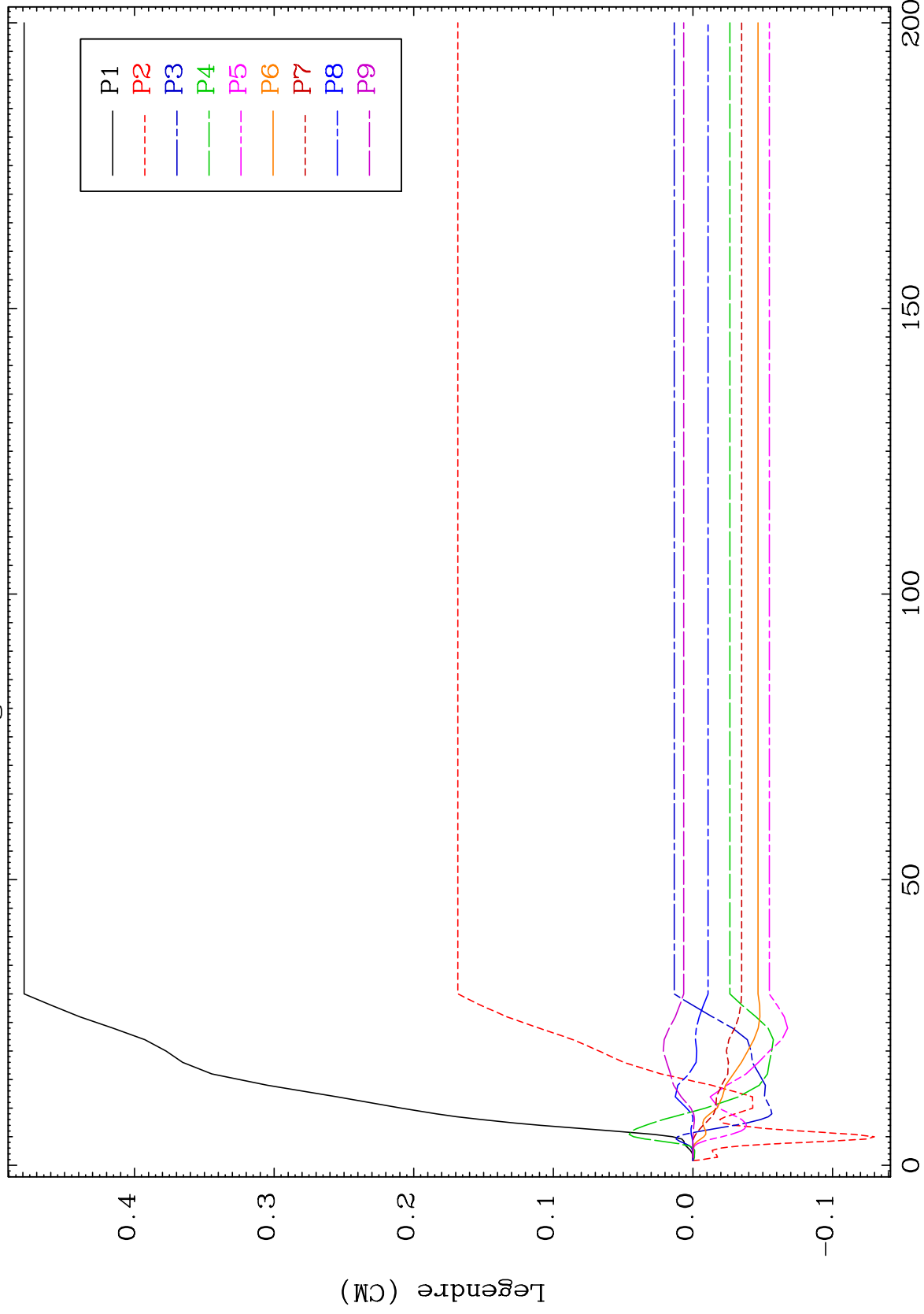
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



123

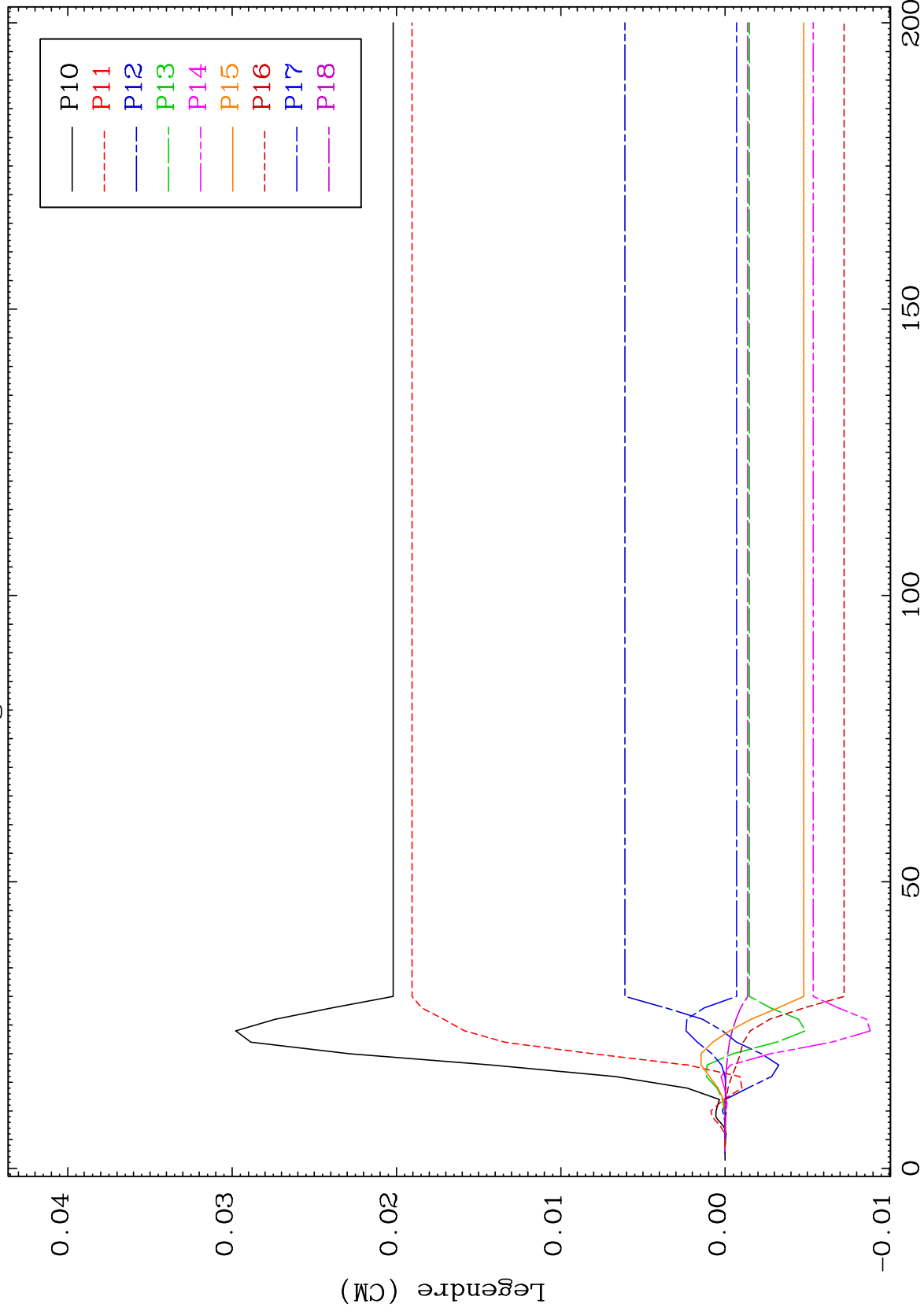
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



124

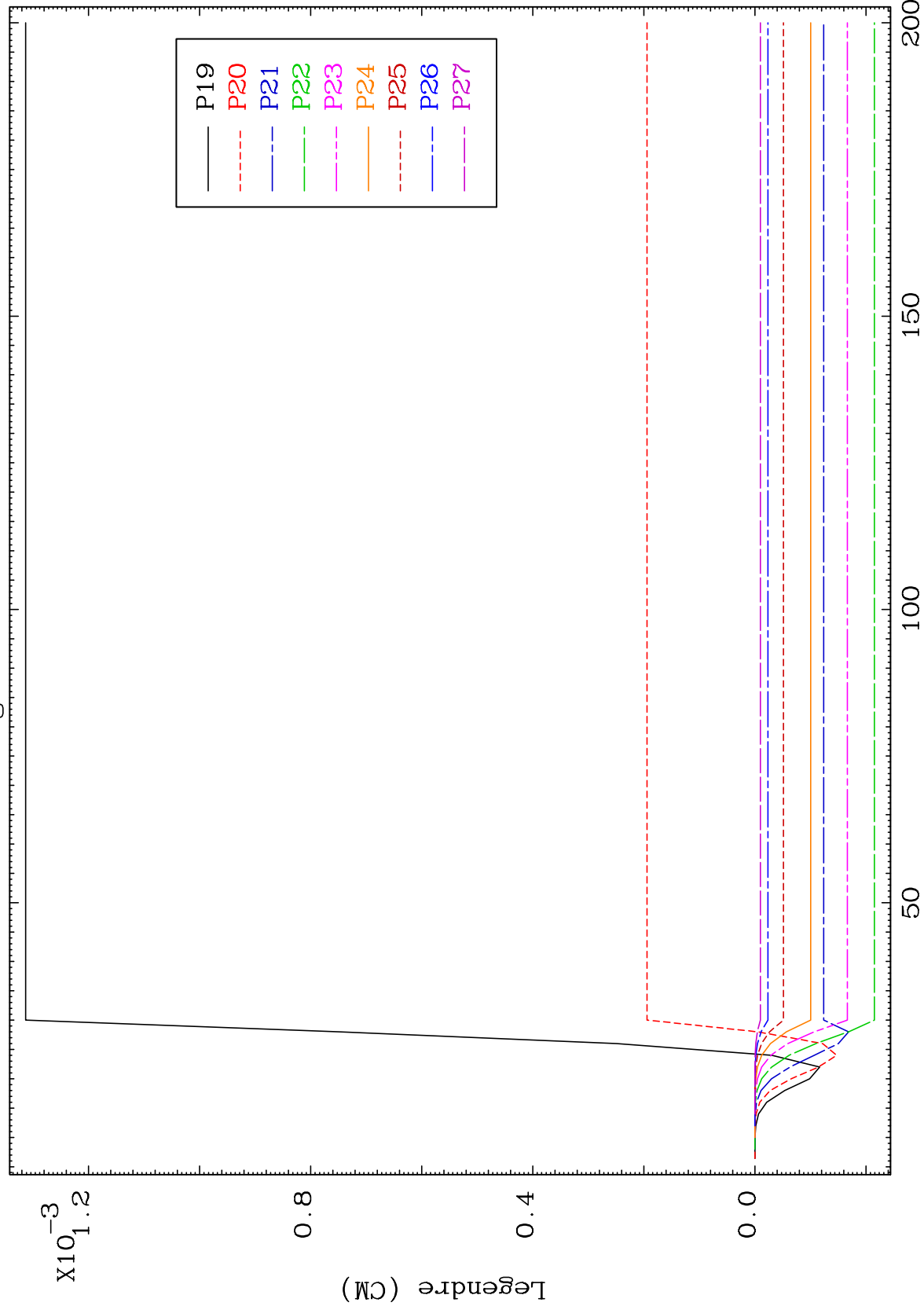
Incident Energy (MeV)

68-Er-167

MAT 6840

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

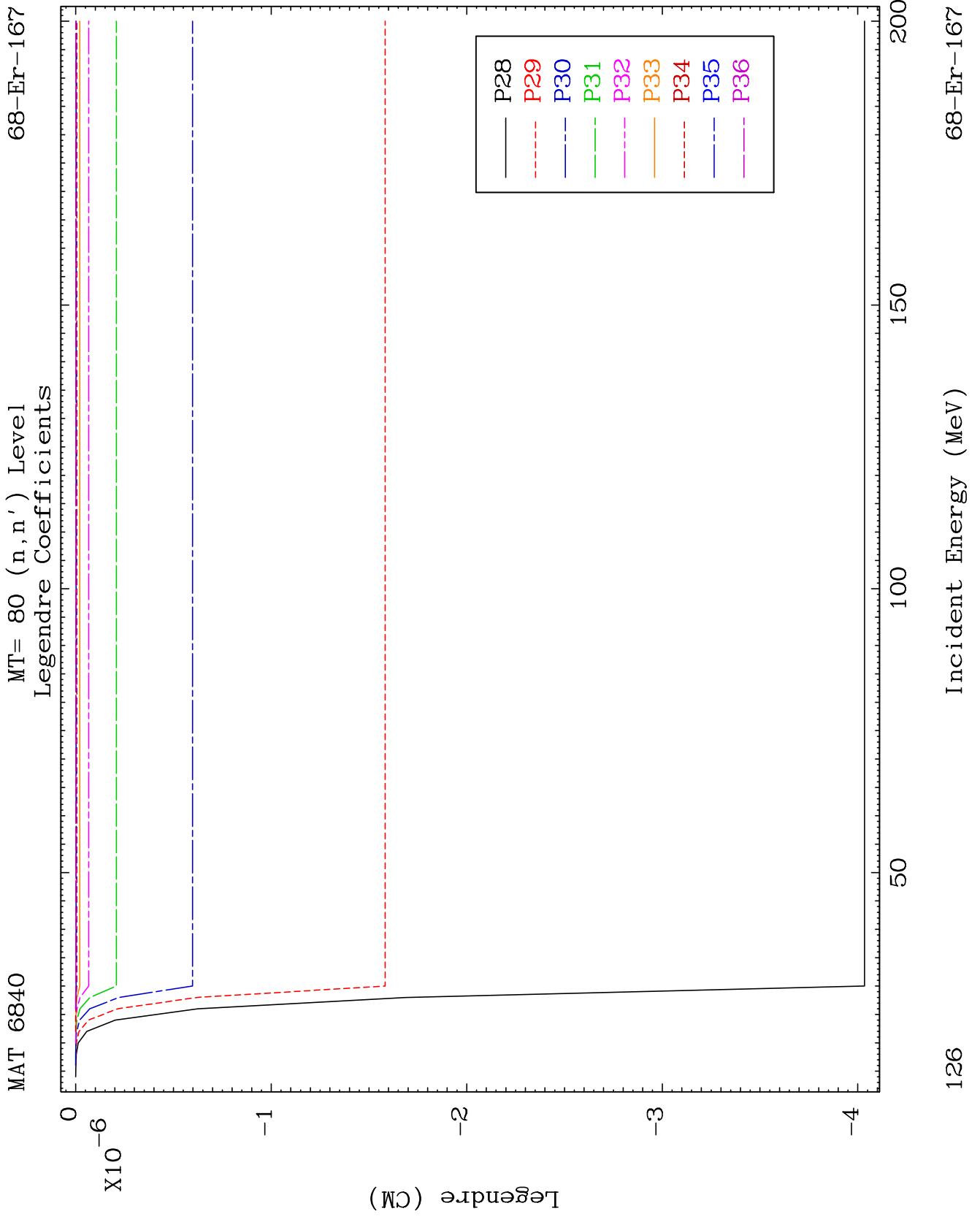
68-Er-167



125

Incident Energy (MeV)

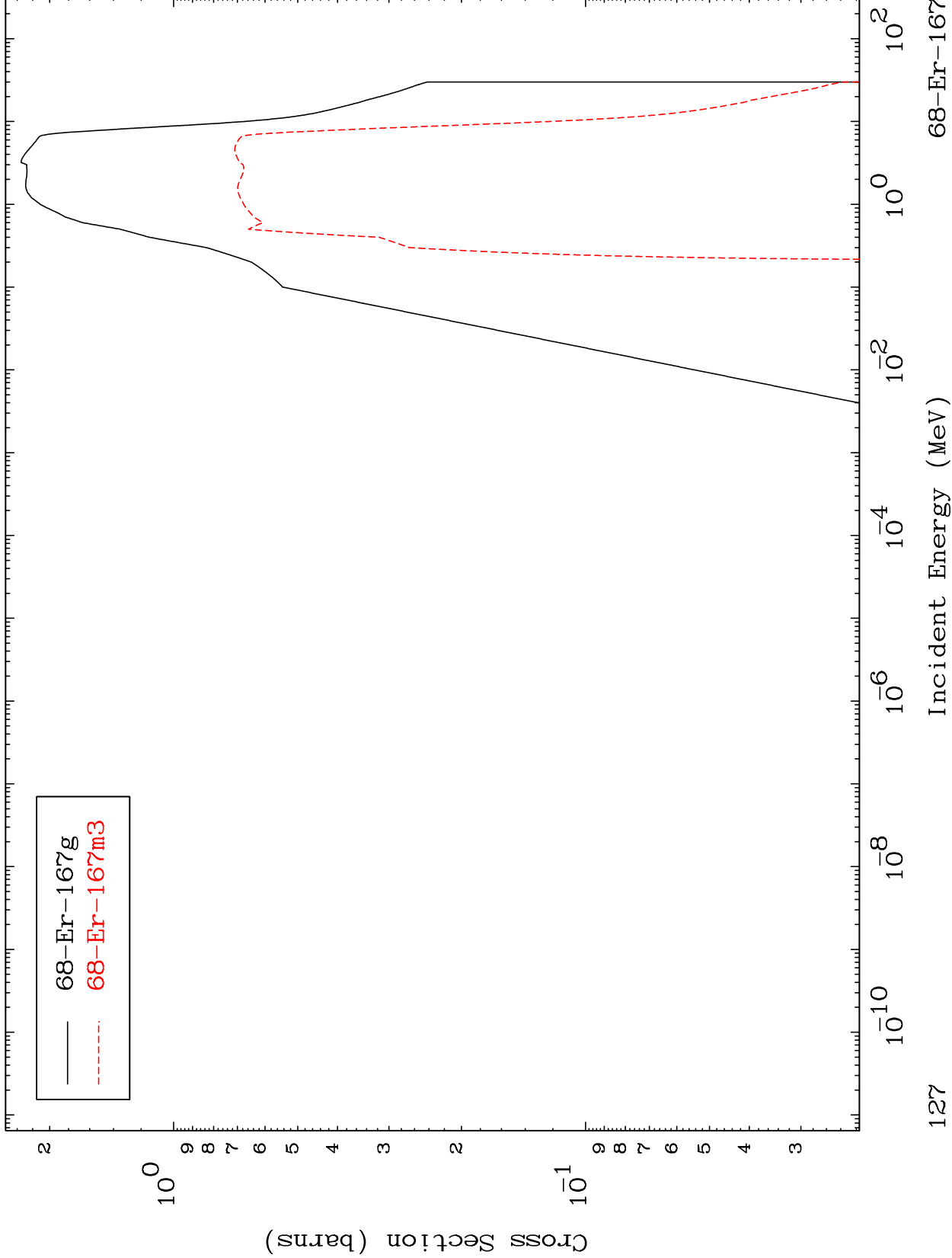
68-Er-167

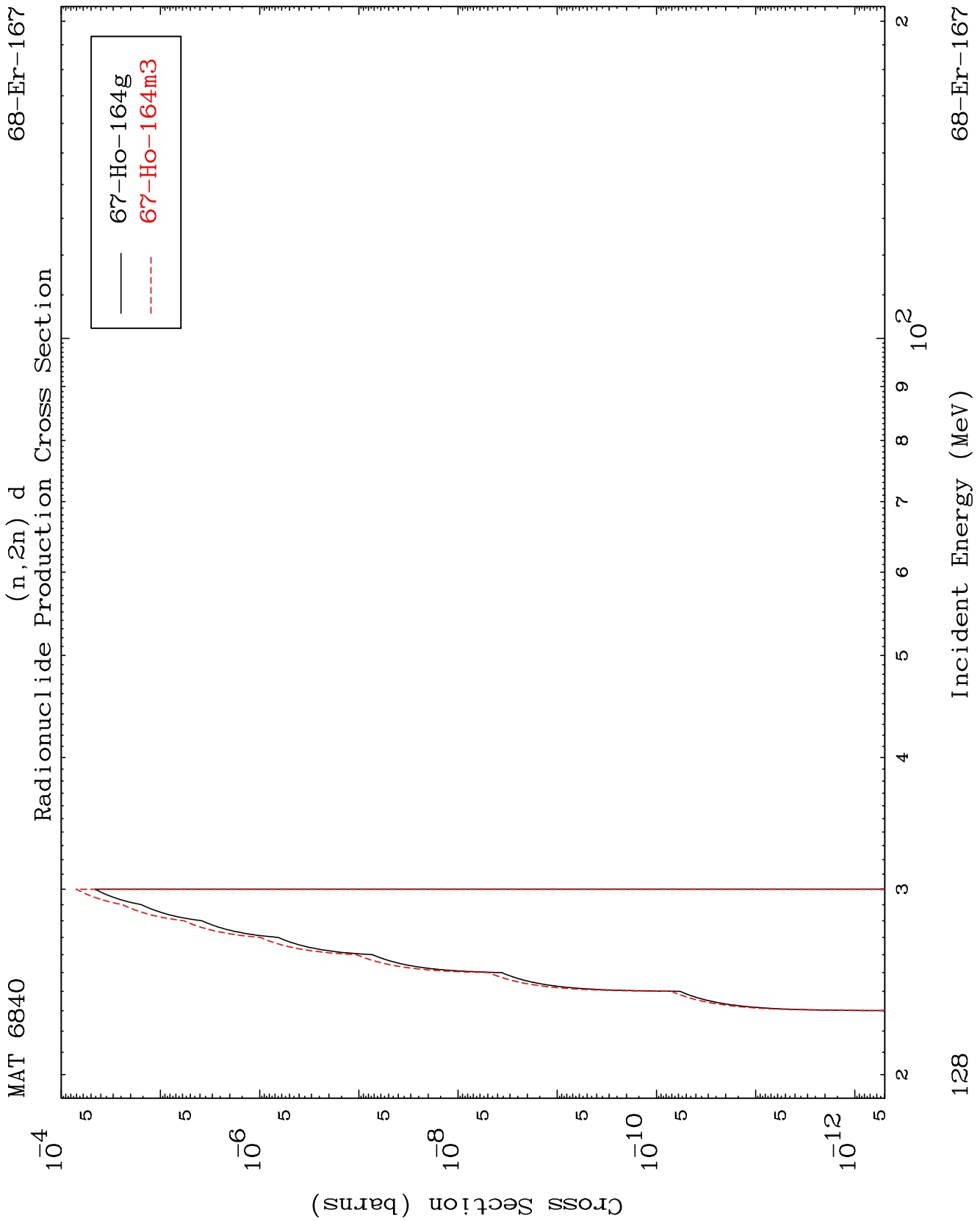


MAT 6840

Inelastic
Radionuclide Production Cross Section

68-Er-167



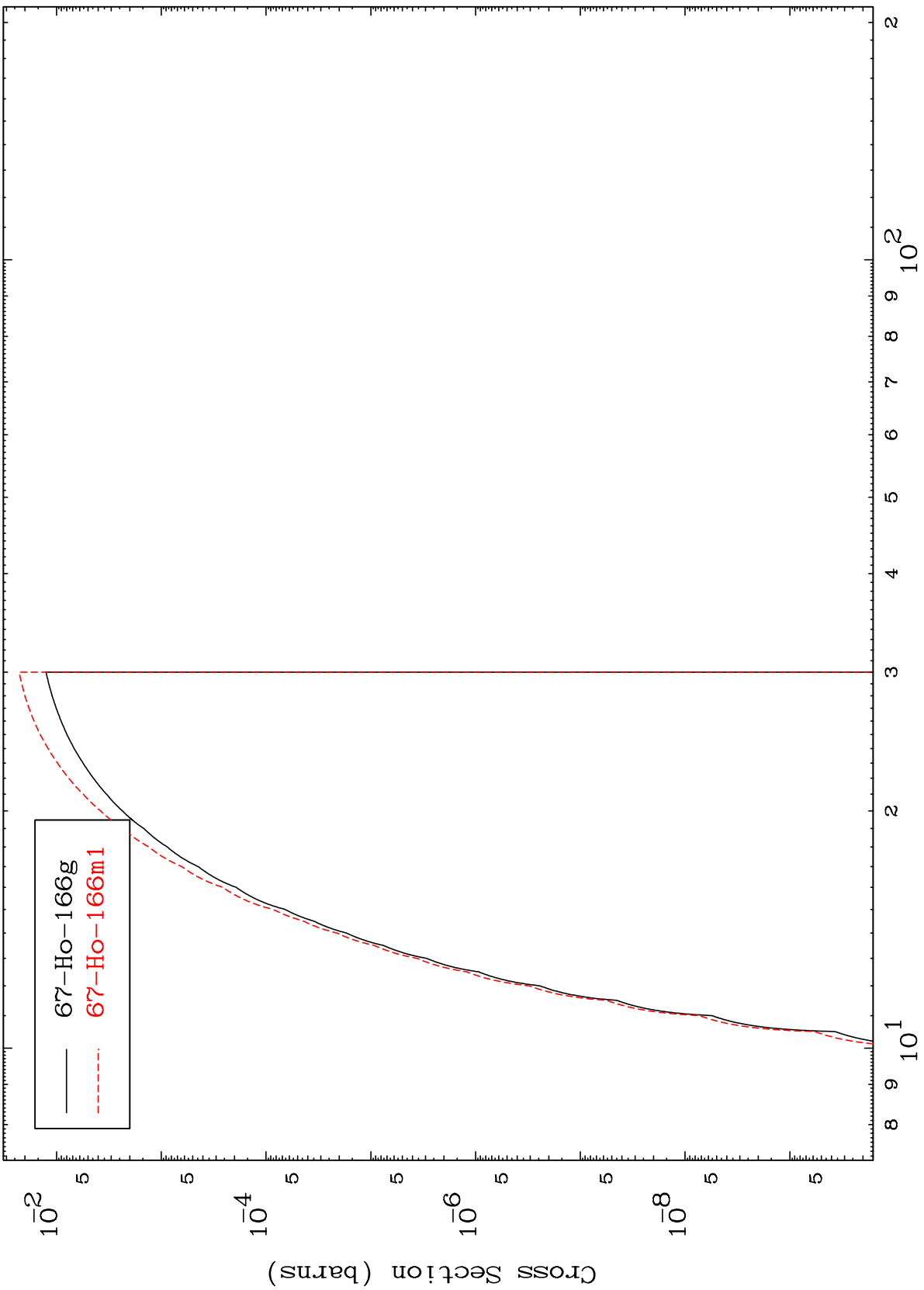


MAT 6840

(n,n') p

68-Er-167

Radionuclide Production Cross Section



129

Incident Energy (MeV)

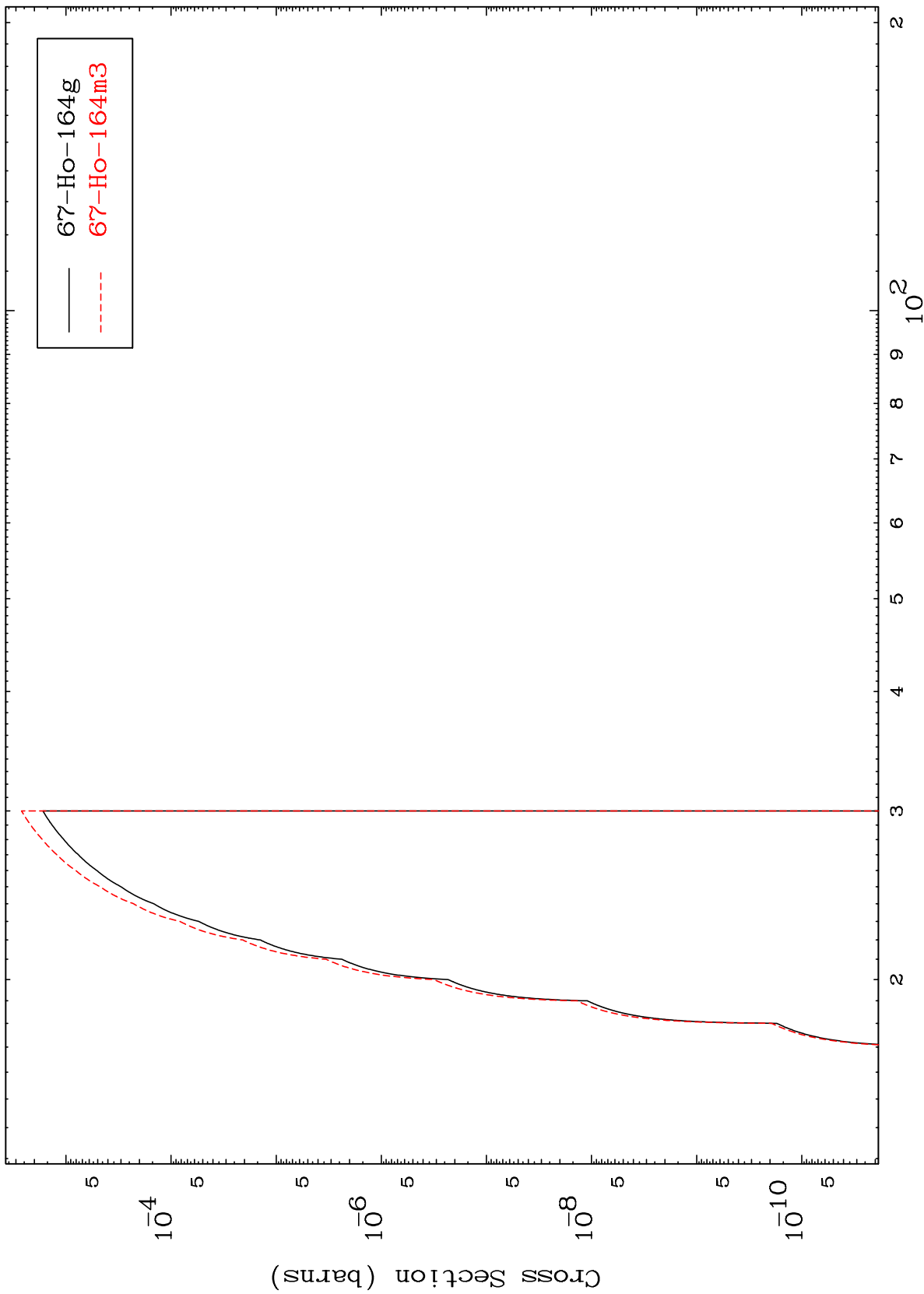
68-Er-167

MAT 6840

(n,n') t

68-Er-167

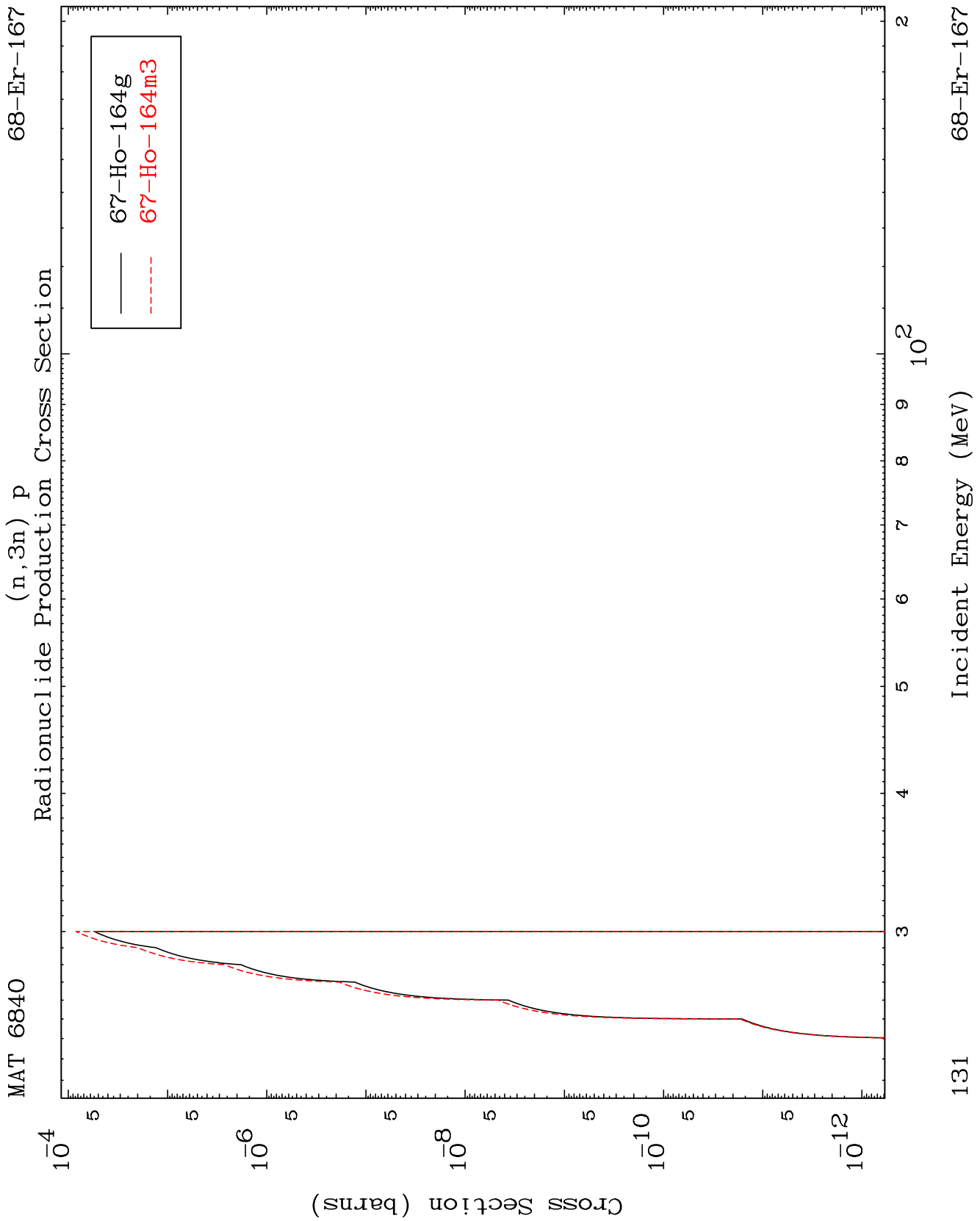
Radionuclide Production Cross Section



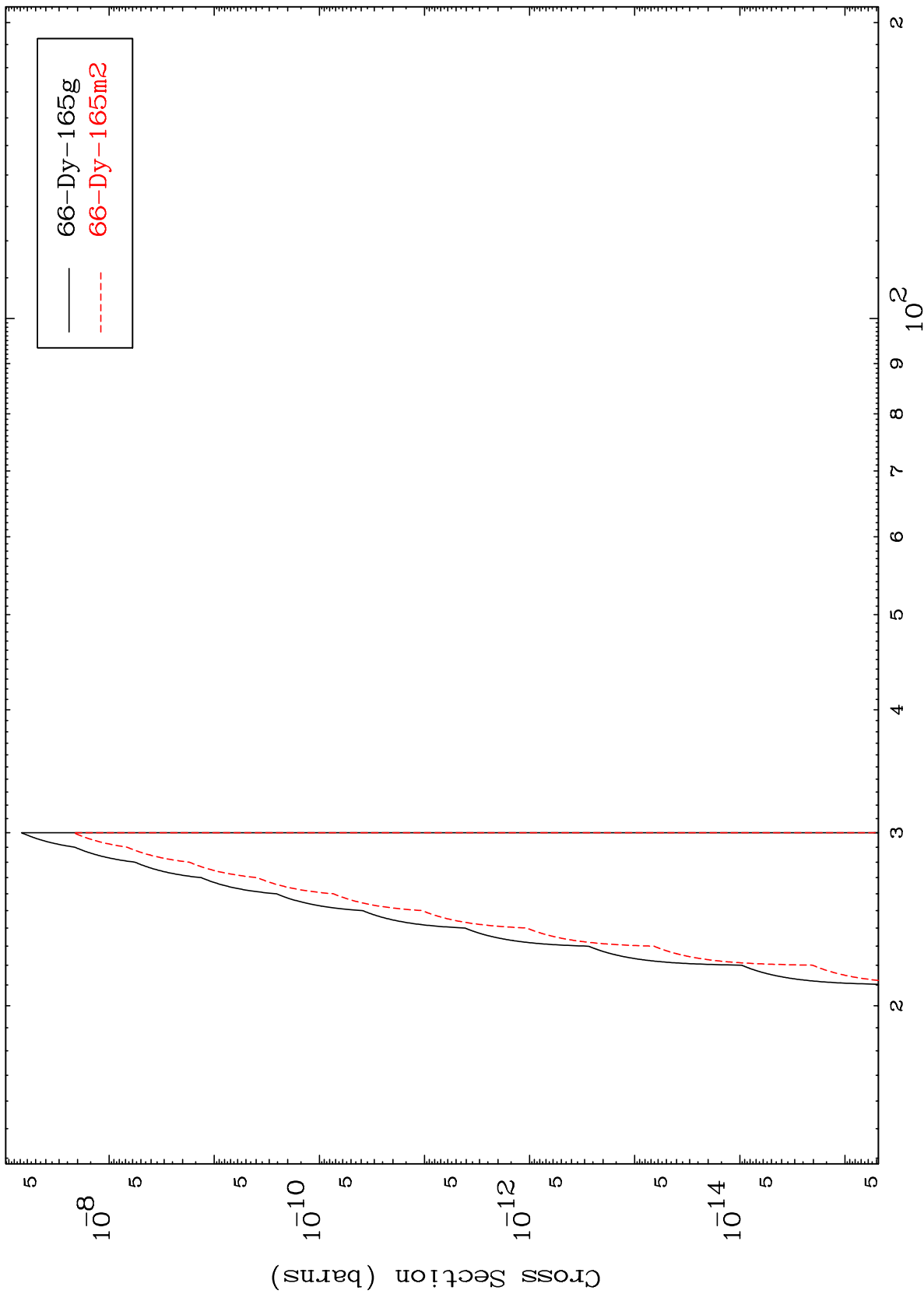
130

Incident Energy (MeV)

68-Er-167



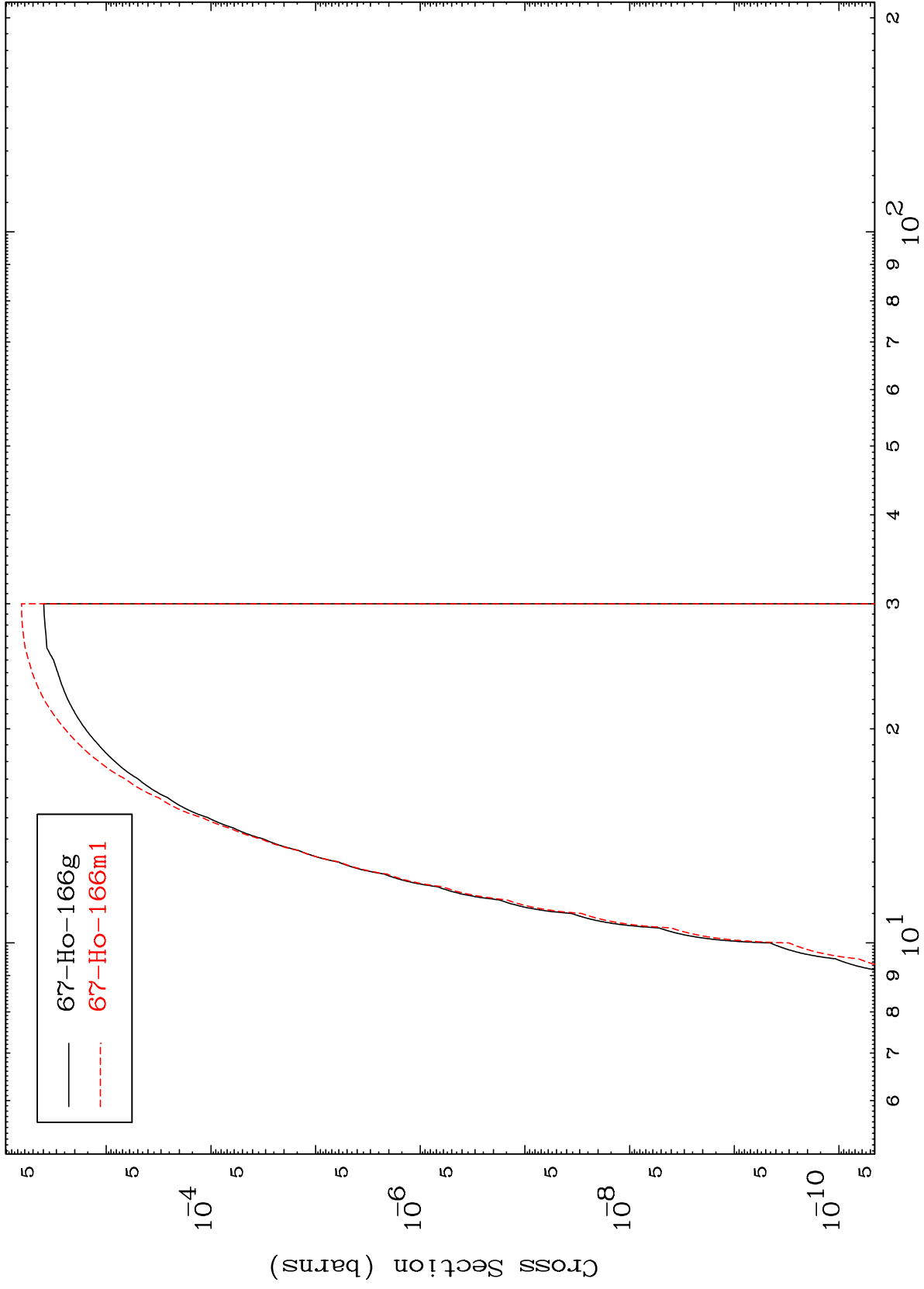
Radionuclide Production Cross Section



MAT 6840

68-Er-167

(n,d)
Radionuclide Production Cross Section



133

Incident Energy (MeV)

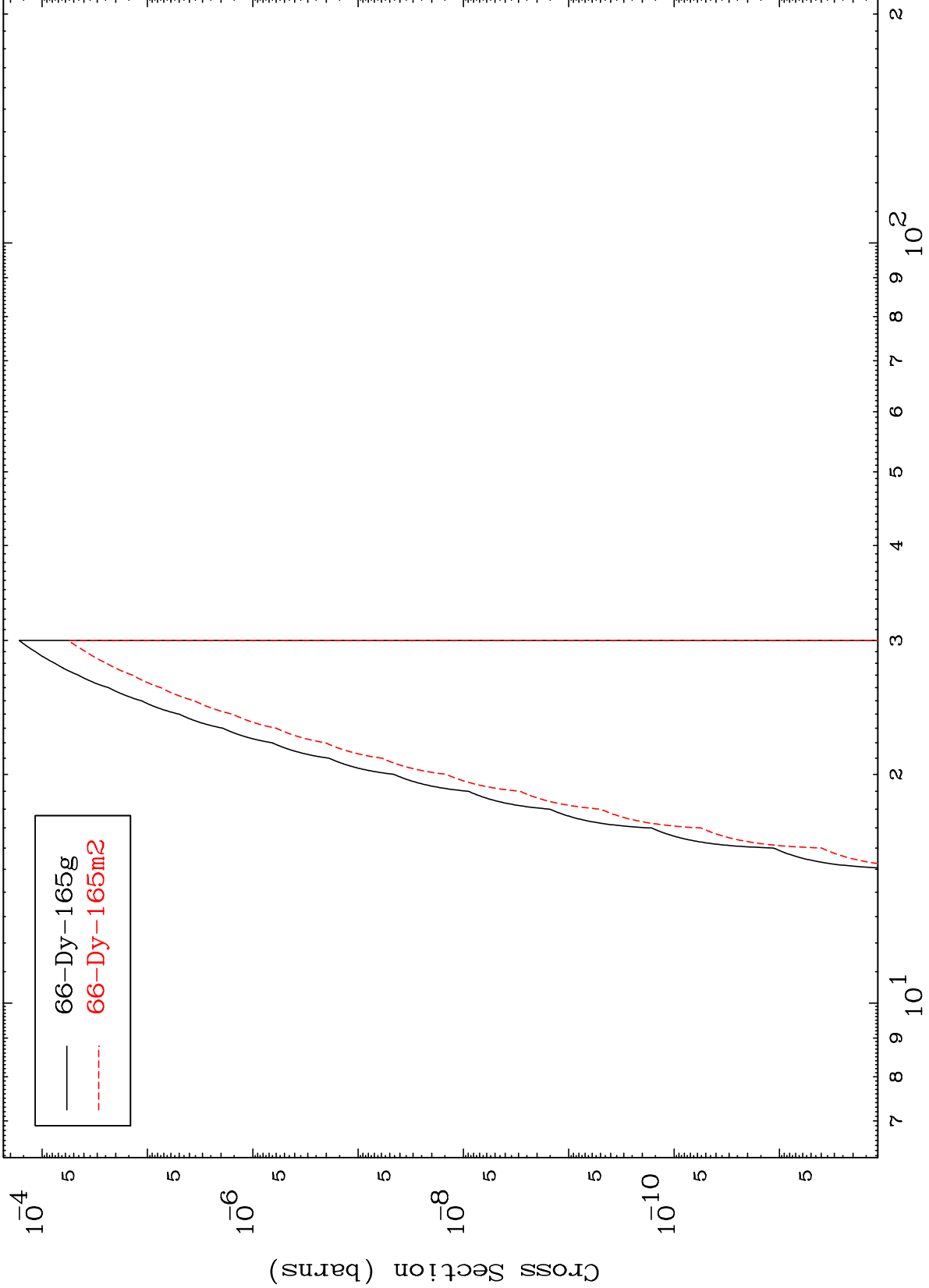
68-Er-167

MAT 6840

(n,He-3)

68-Er-167

Radionuclide Production Cross Section



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

134

Incident Energy (MeV)

68-Er-167