

Program EVALPLOT
(Version 2021-1)

by

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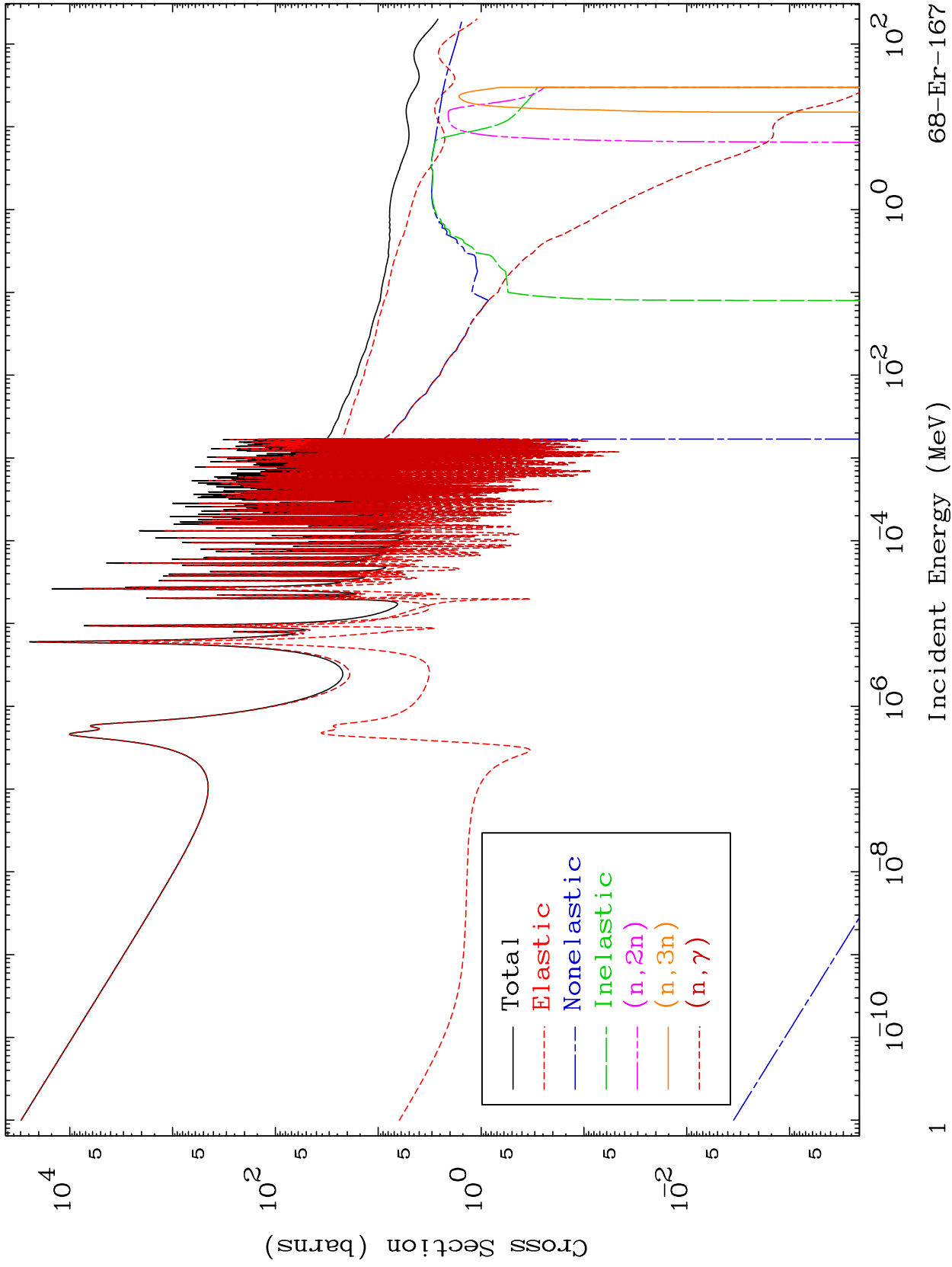
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6840

Neutron Major
293 Kelvin Cross Sections

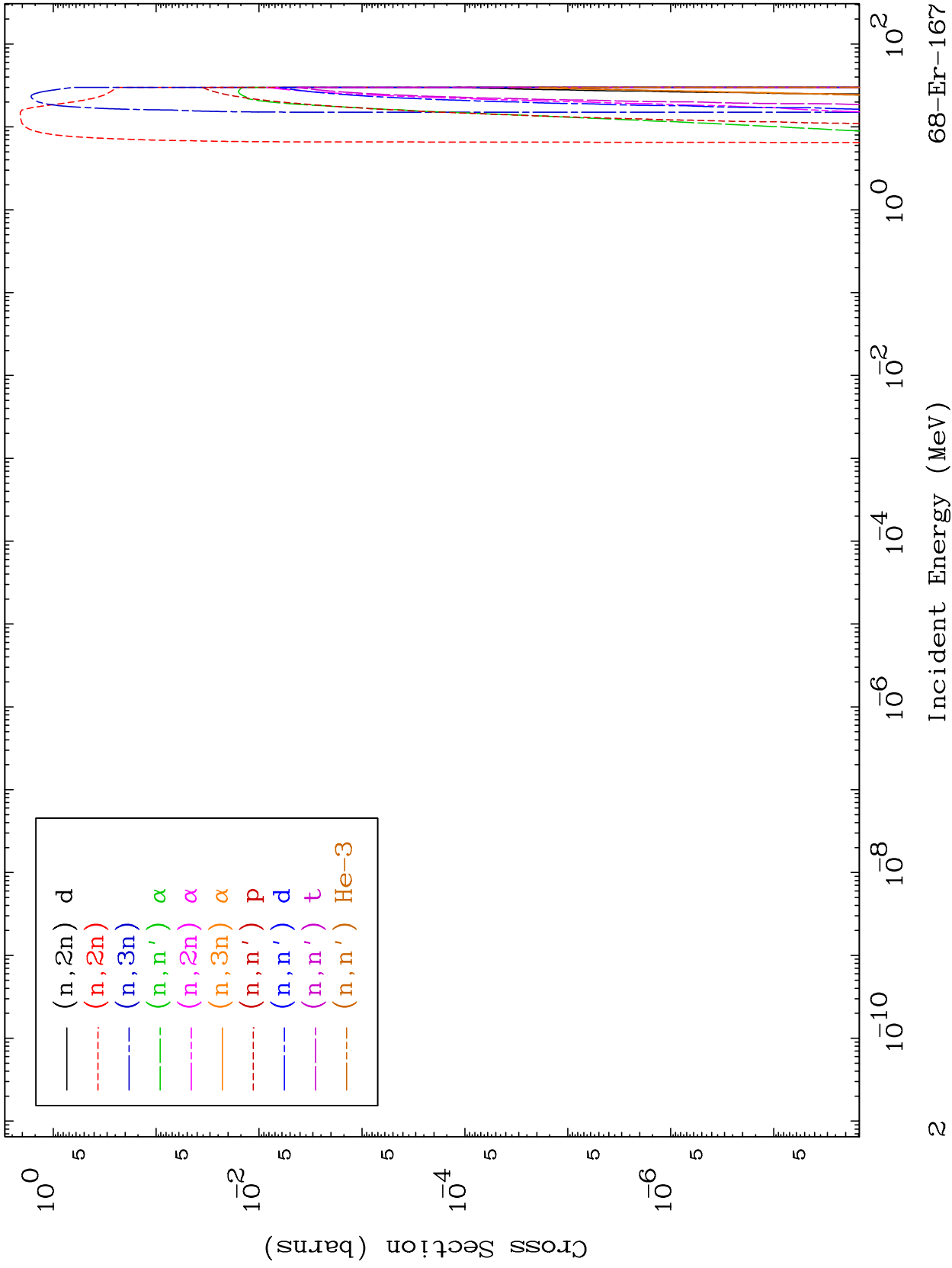
68-Er-167



MAT 6840

Neutron Absorption
293 Kelvin Cross Sections

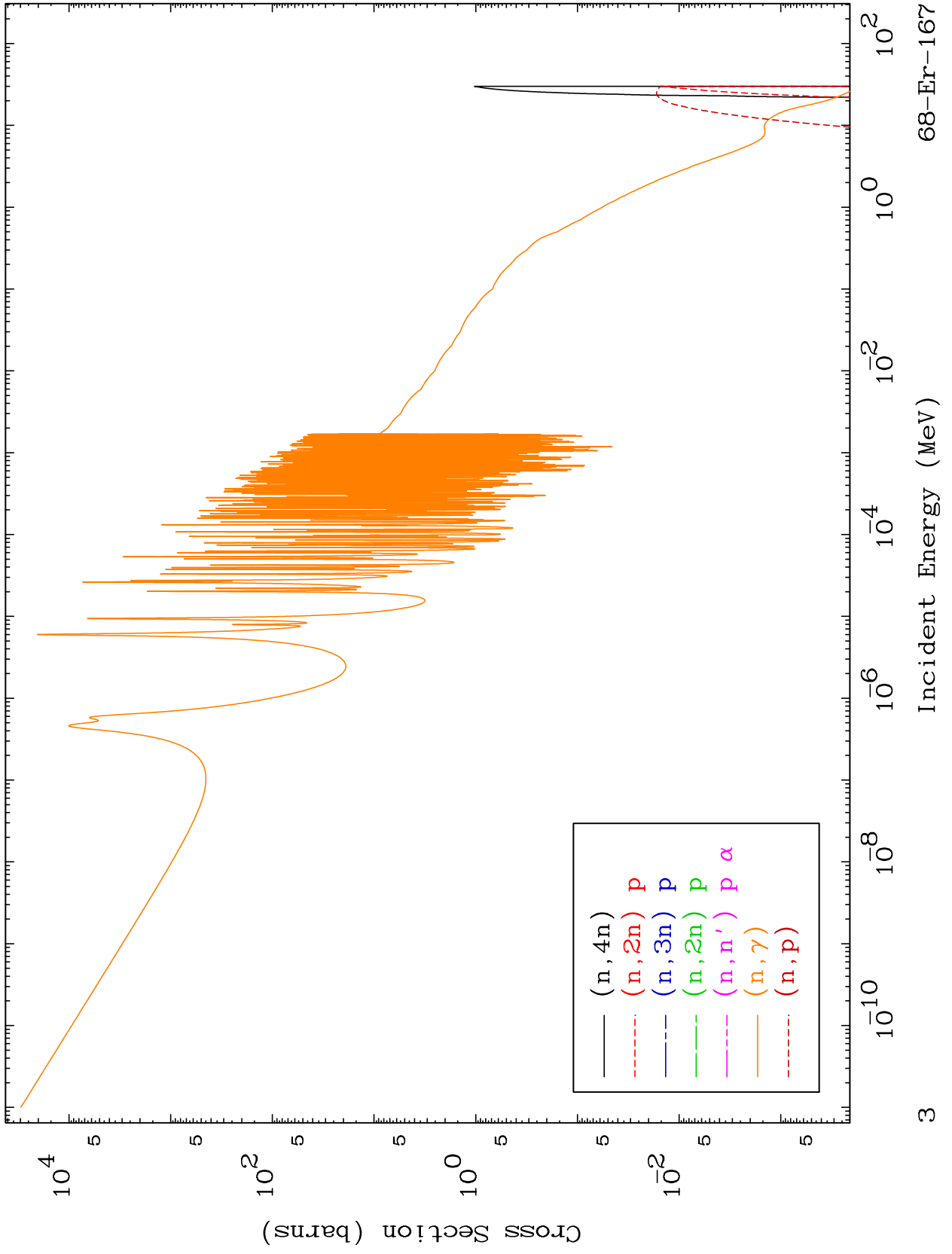
68-Er-167

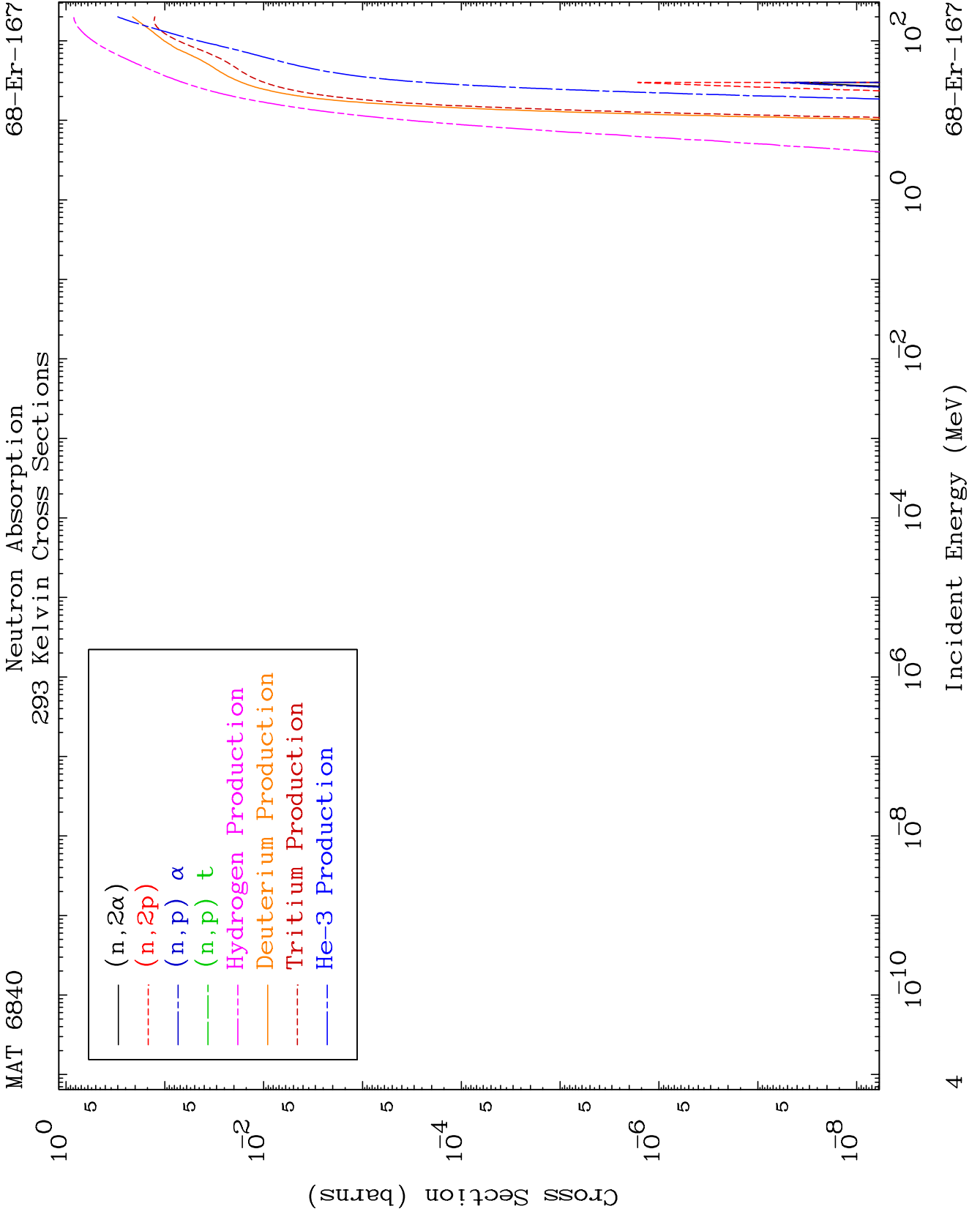


MAT 6840

Neutron Absorption
293 Kelvin Cross Sections

68-Er-167

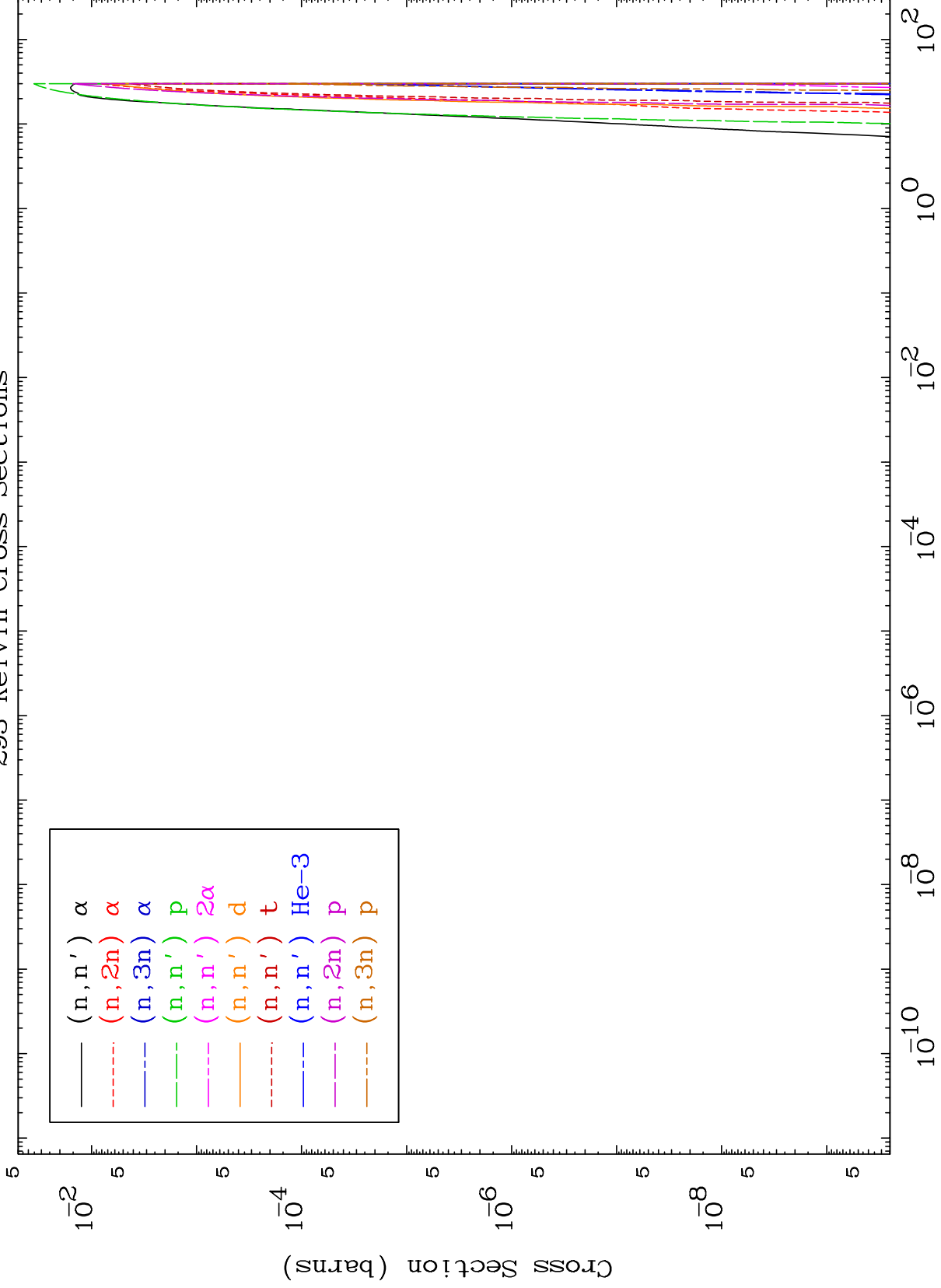




MAT 6840

Charged Particle
293 Kelvin Cross Sections

68-Er-167



5

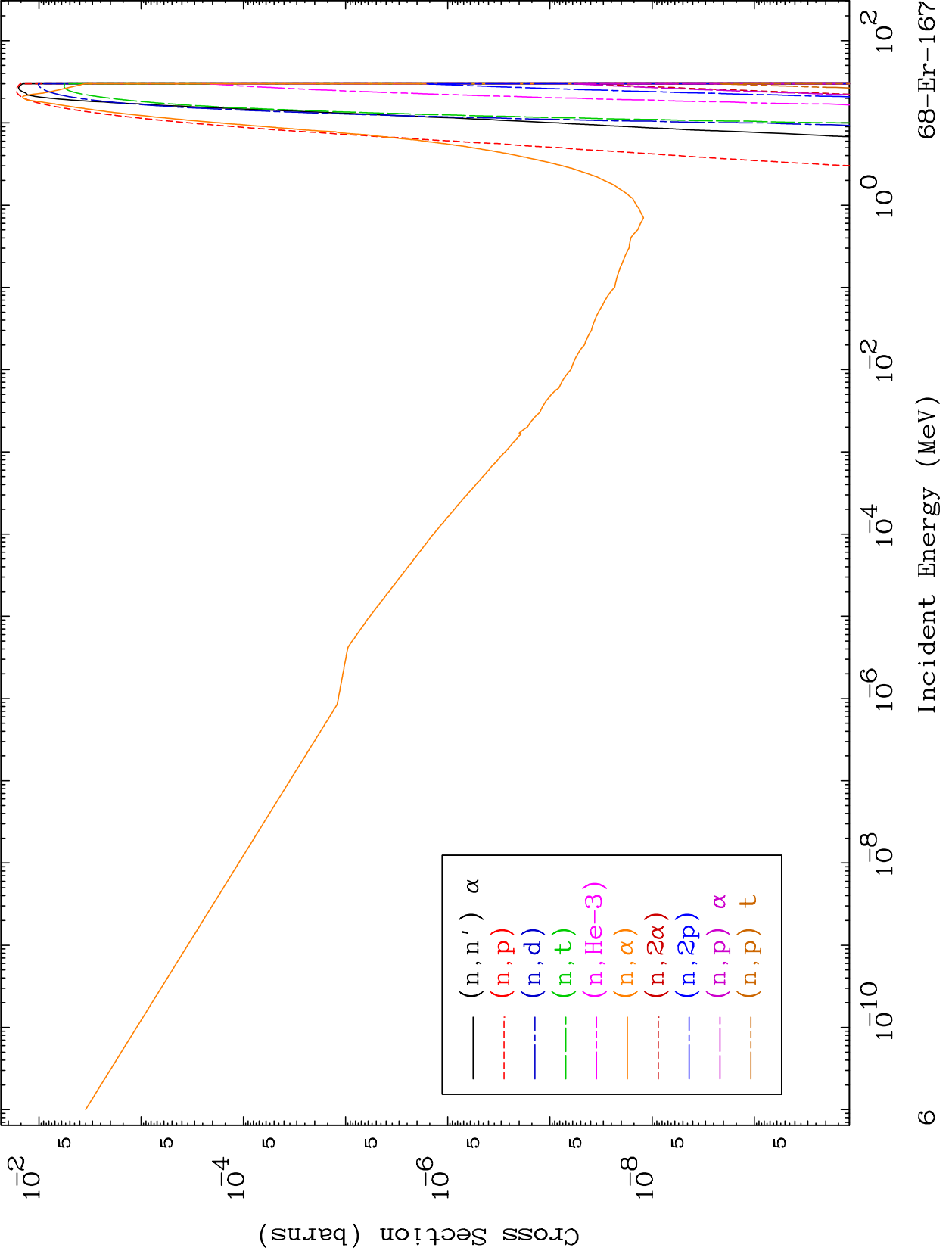
Incident Energy (MeV)

68-Er-167

MAT 6840

Charged Particle
293 Kelvin Cross Sections

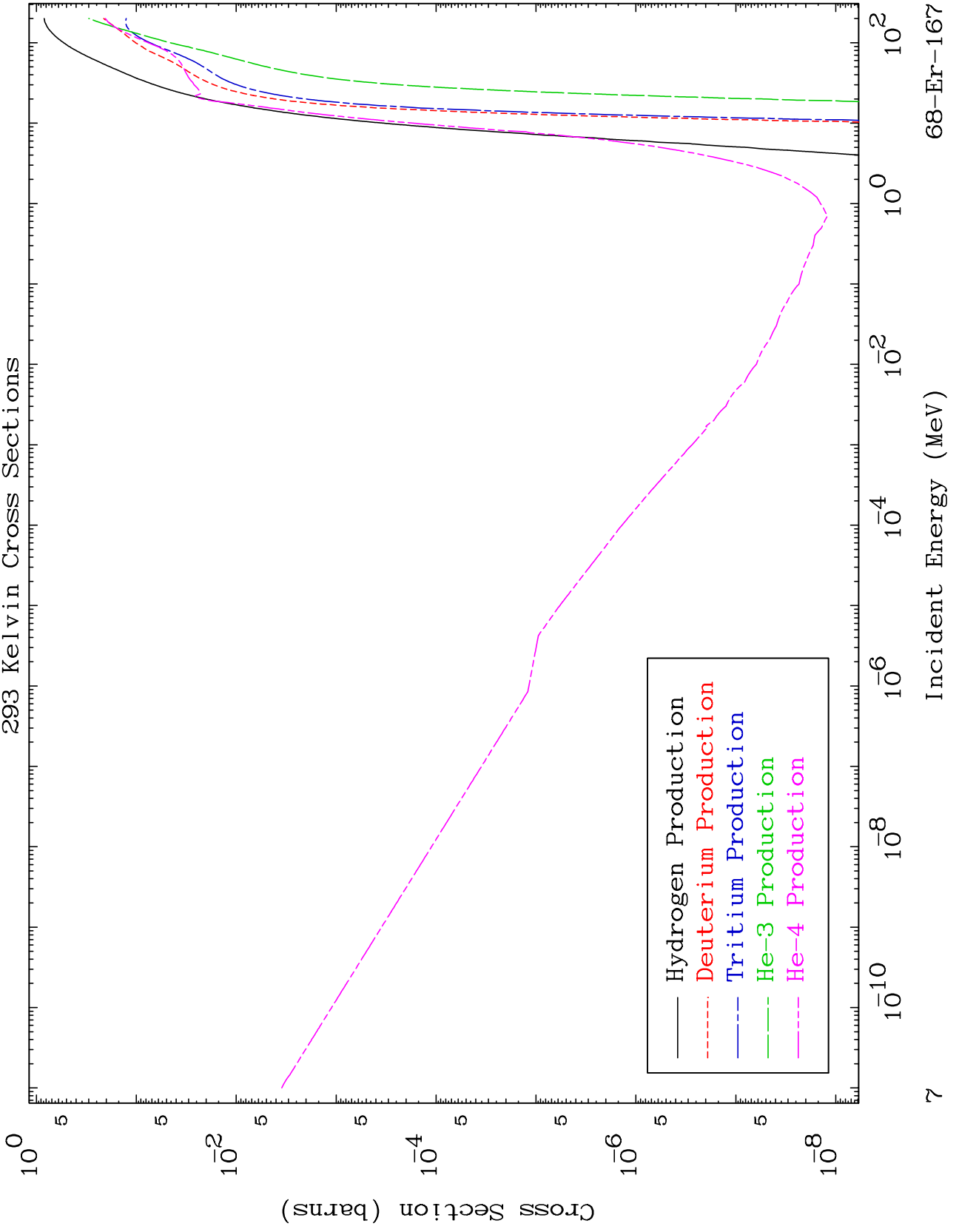
68-Er-167



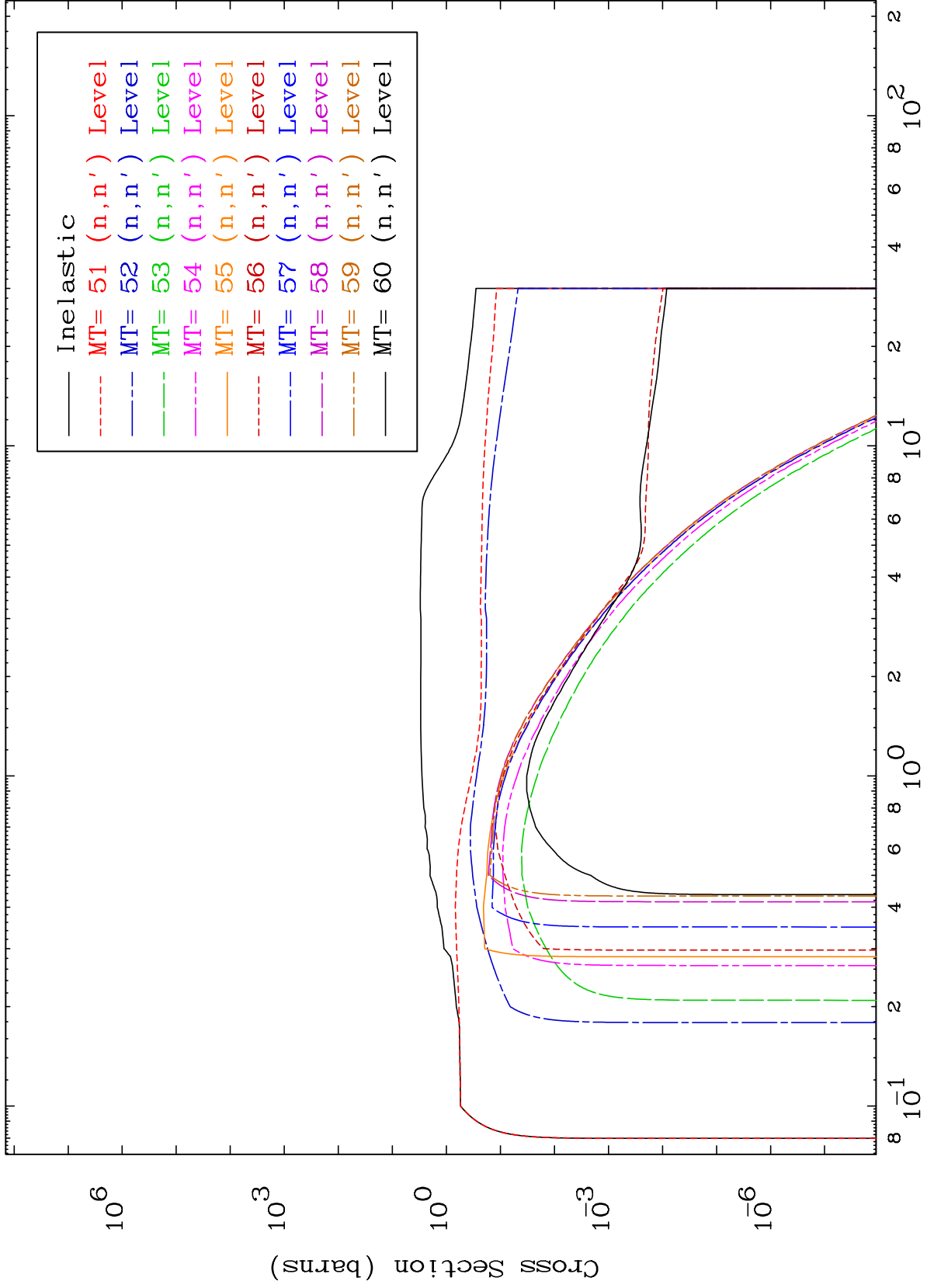
MAT 6840

Particle Production
293 Kelvin Cross Sections

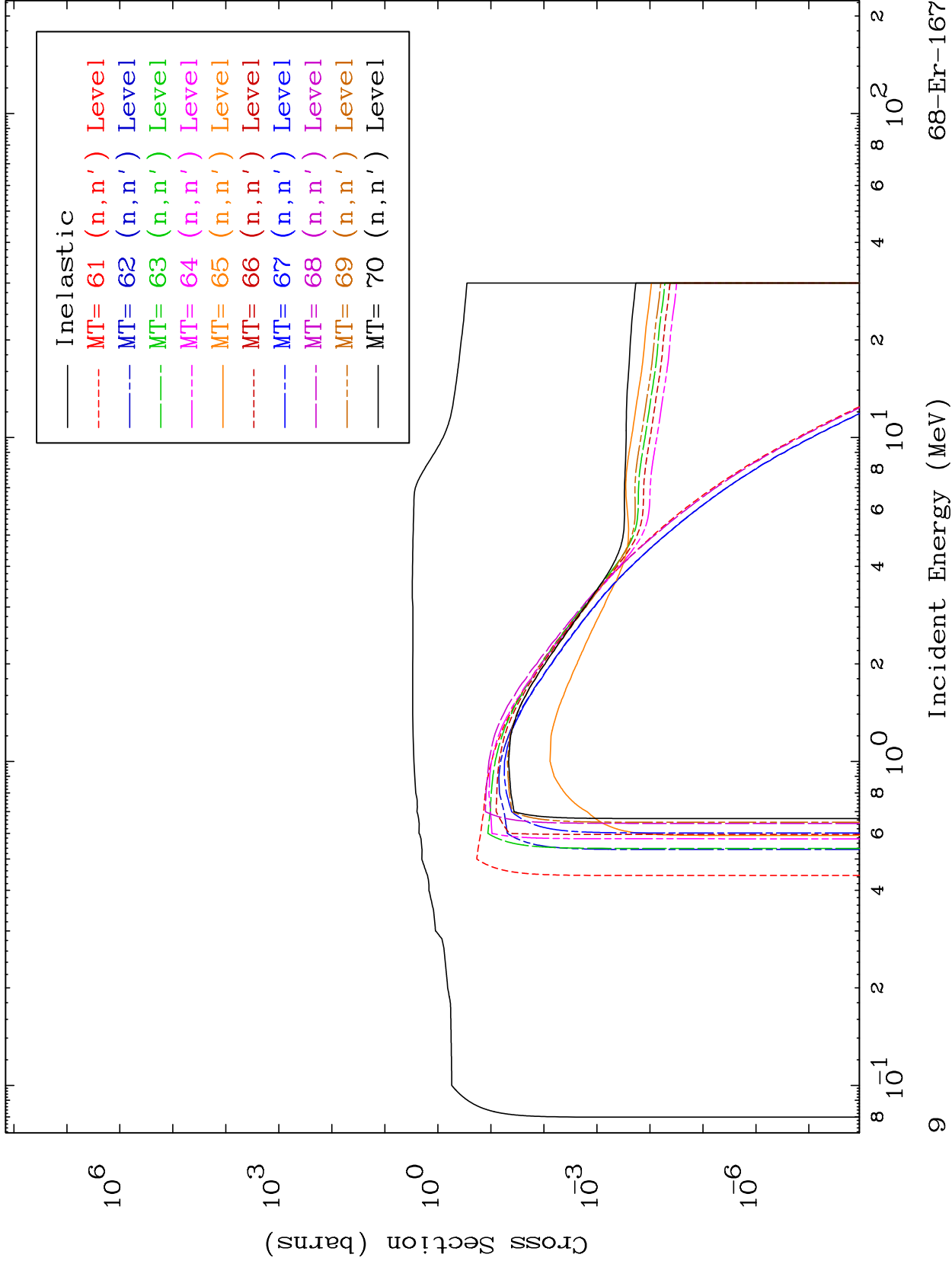
68-Er-167



293 Kelvin Cross Sections



293 Kelvin Cross Sections

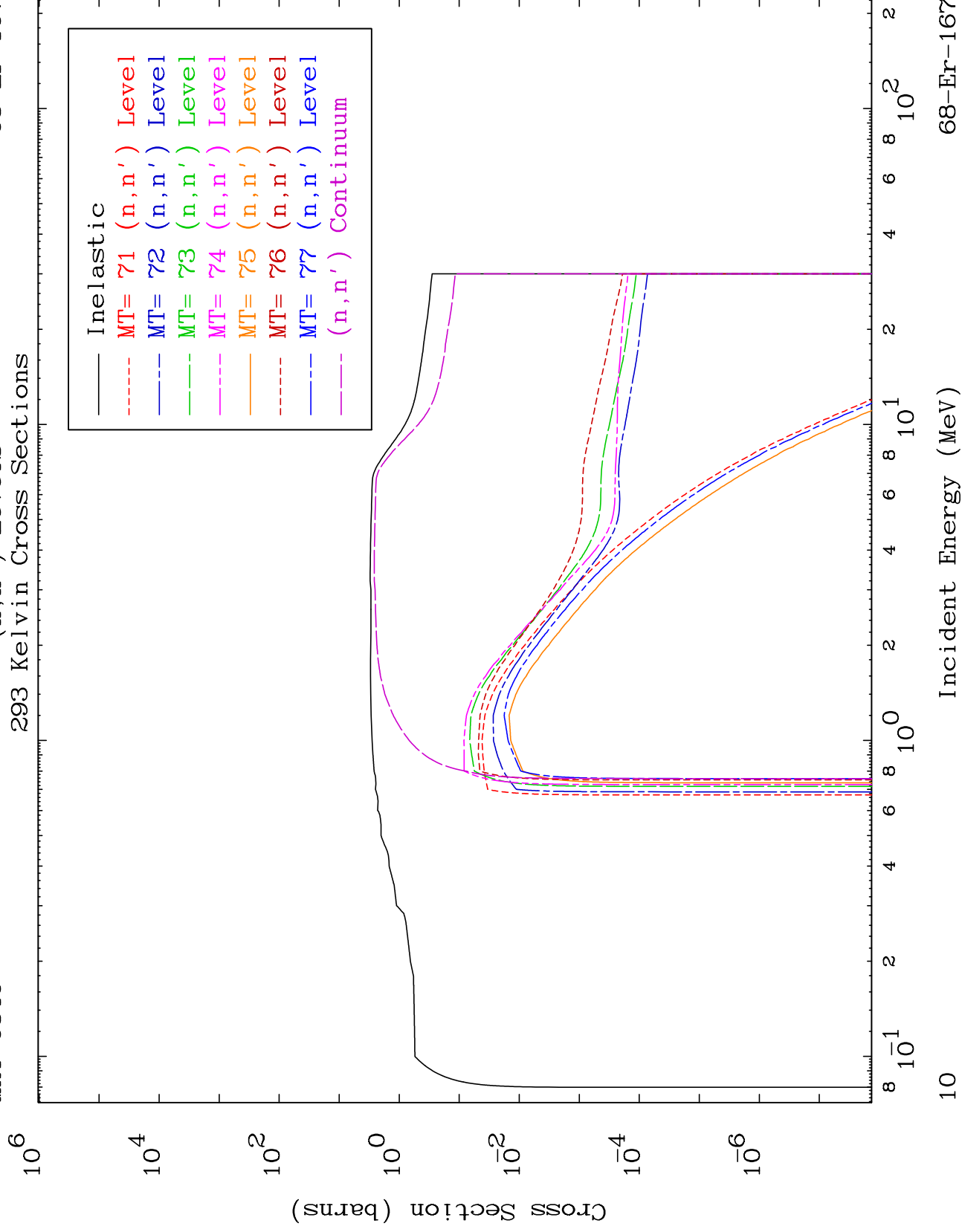


MAT 6840

(n,n') Levels

293 Kelvin Cross Sections

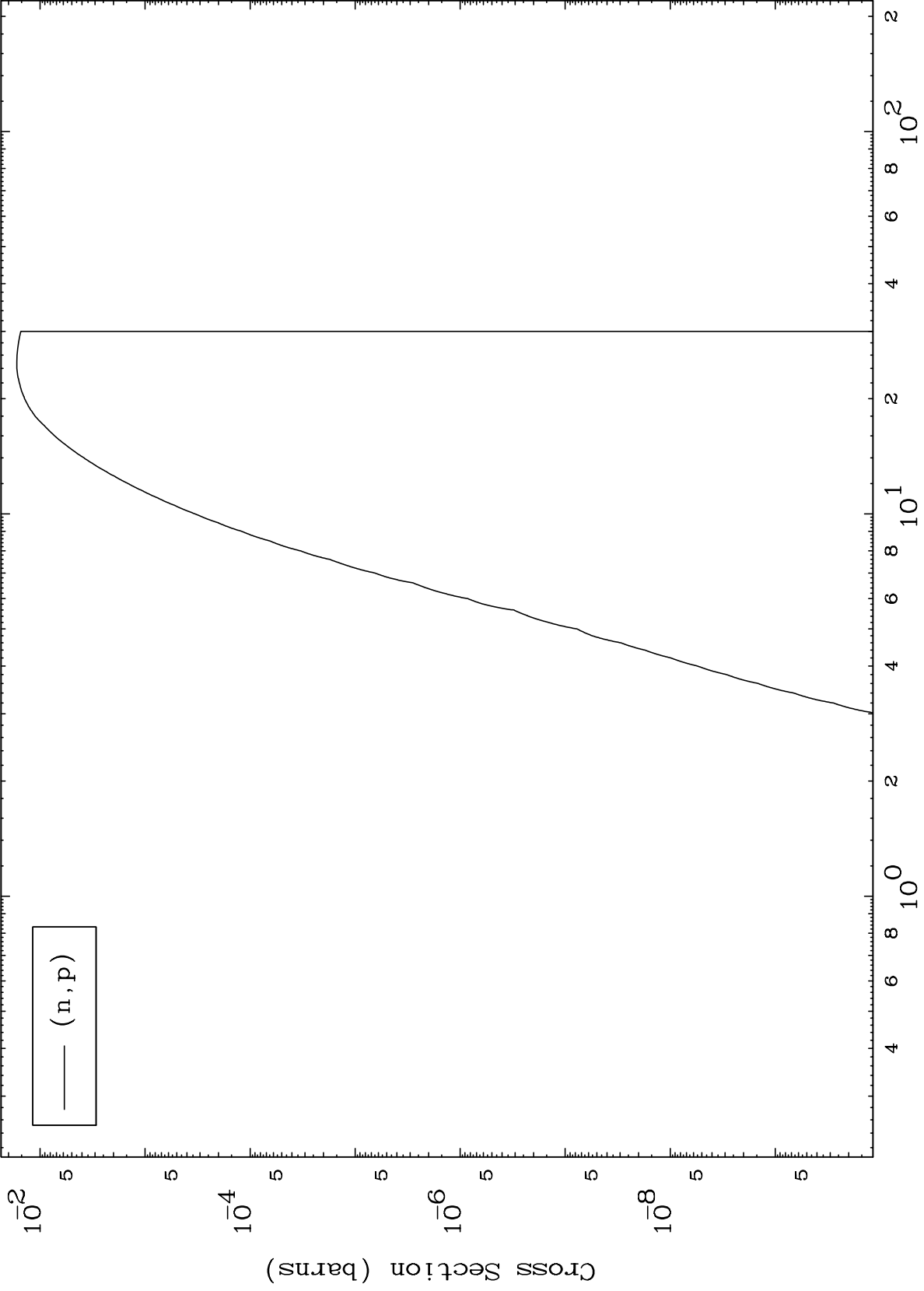
68-Er-167



MAT 6840

(n,p) Levels
293 Kelvin Cross Sections

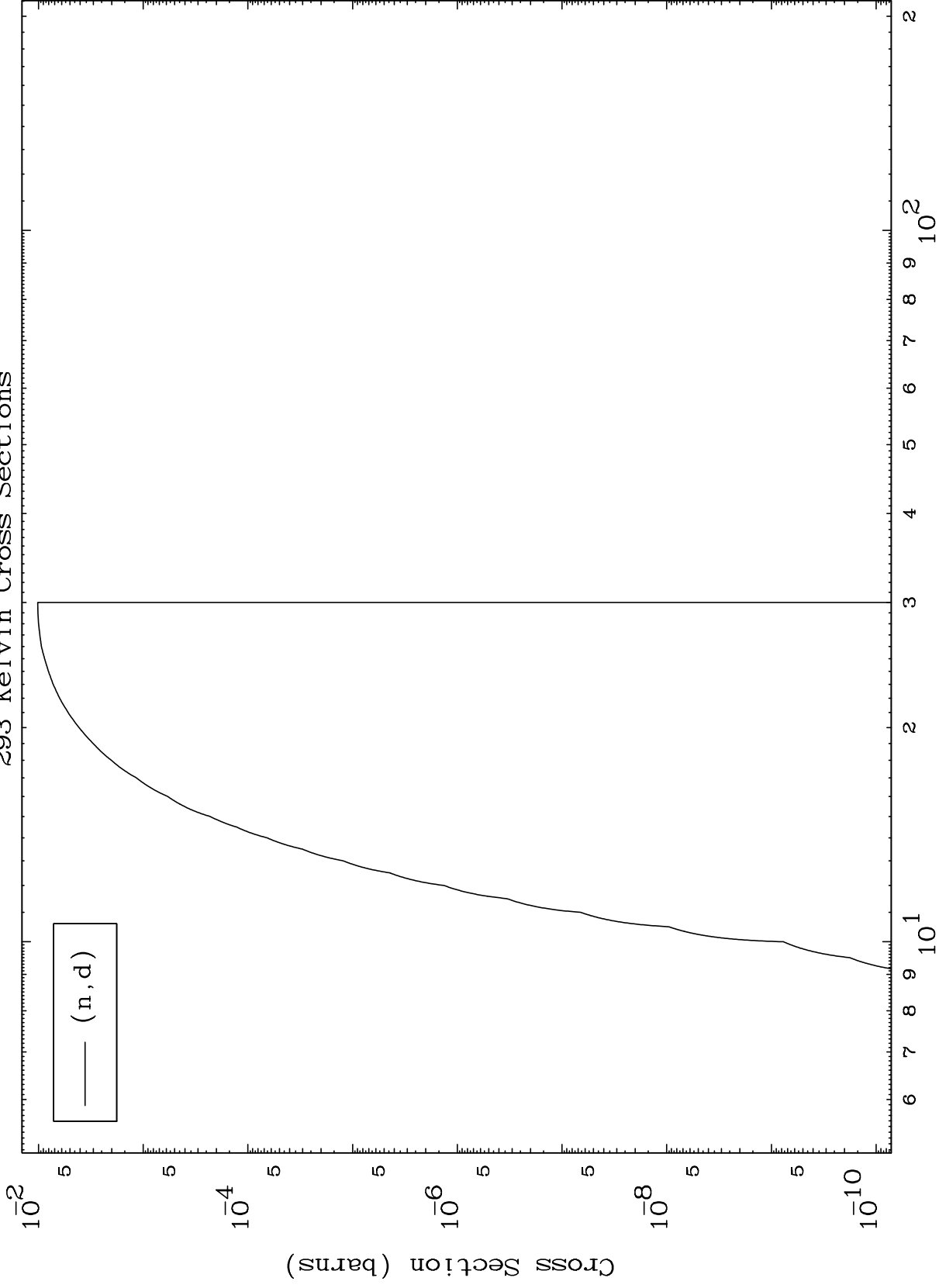
68-Er-167



MAT 6840

(n,d) Levels
293 Kelvin Cross Sections

68-Er-167



12

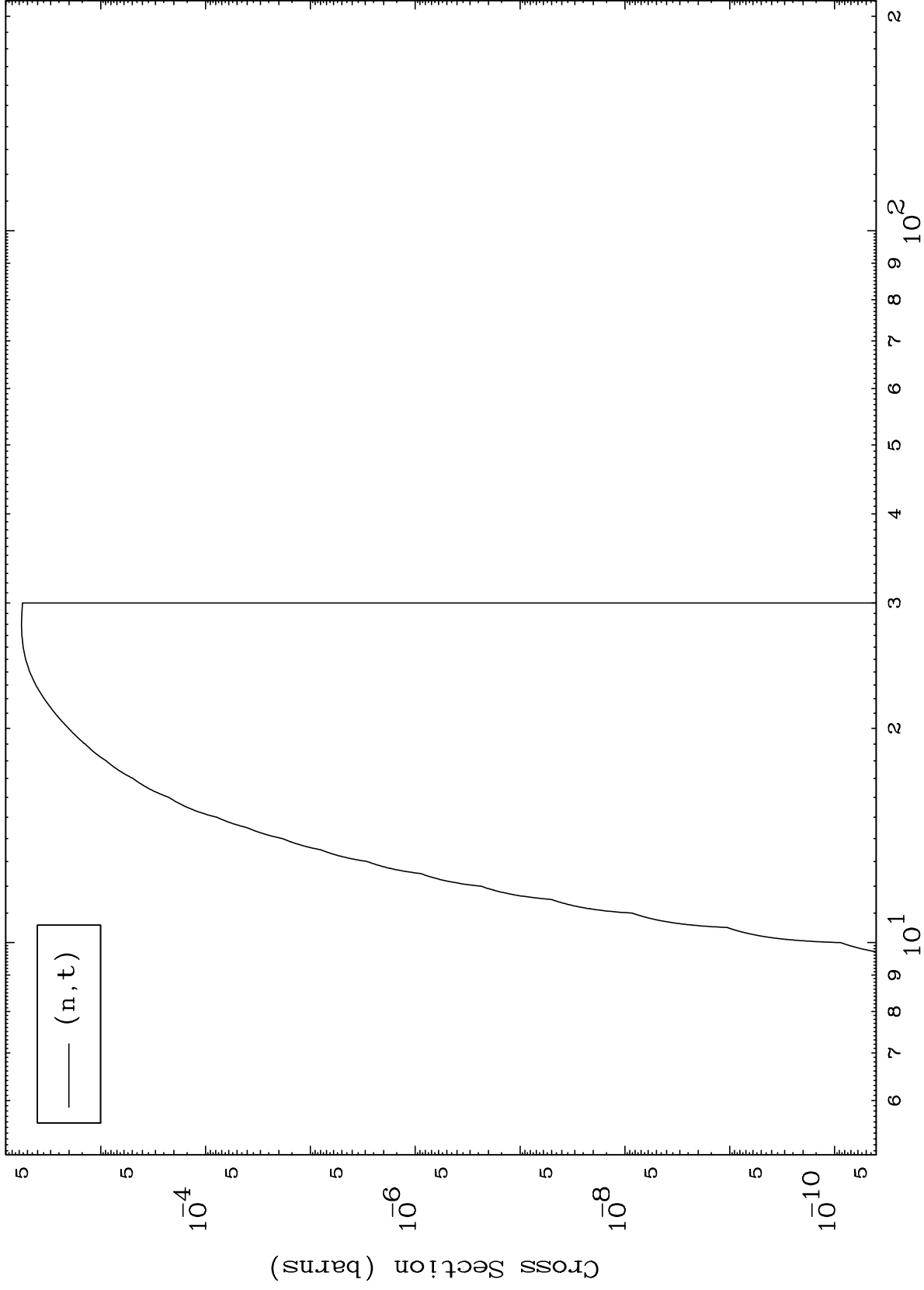
Incident Energy (MeV)

68-Er-167

MAT 6840

(n,t) Levels
293 Kelvin Cross Sections

68-Er-167



13

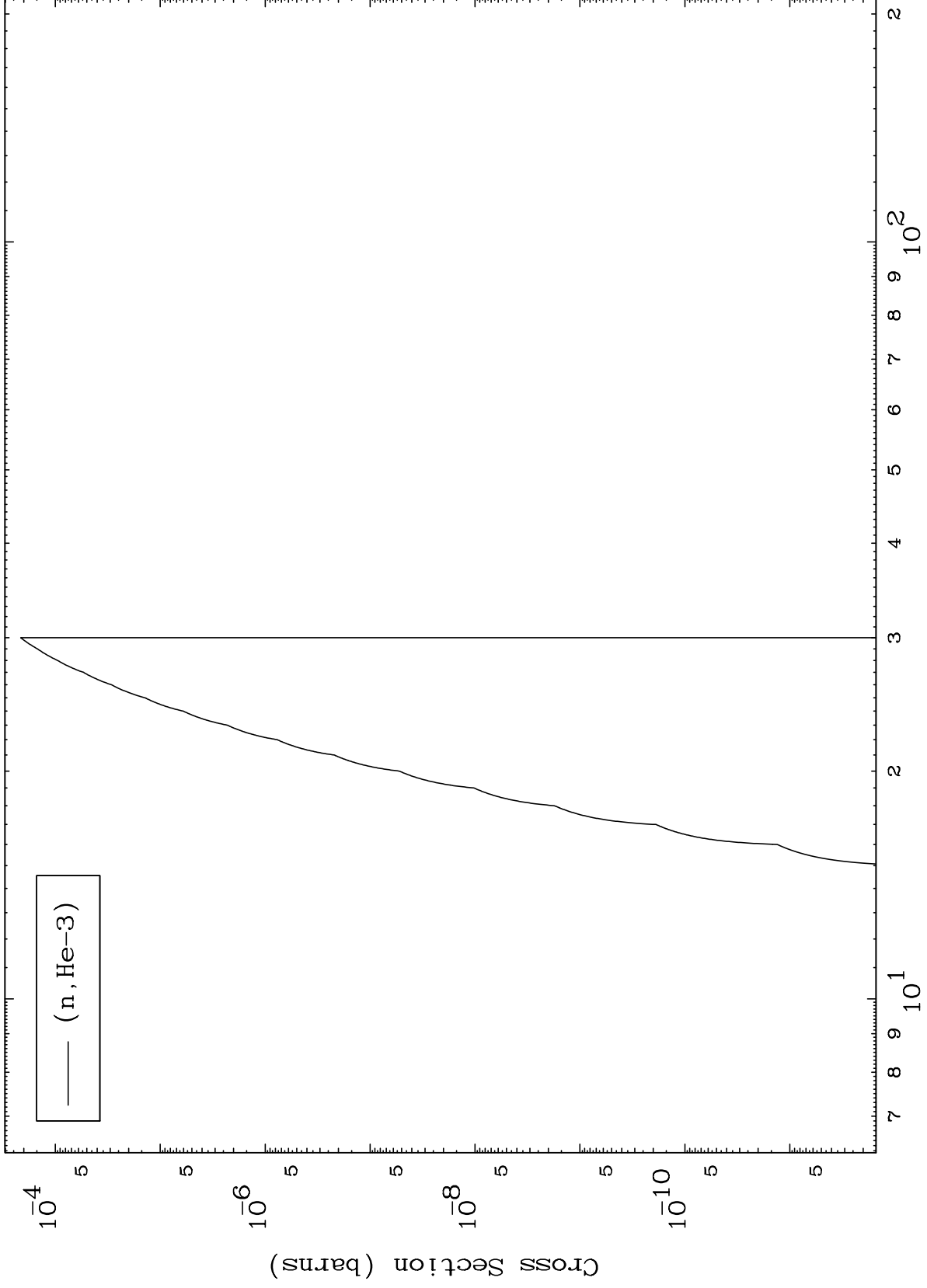
Incident Energy (MeV)

68-Er-167

MAT 6840

(n,He3) Levels
293 Kelvin Cross Sections

68-Er-167



14

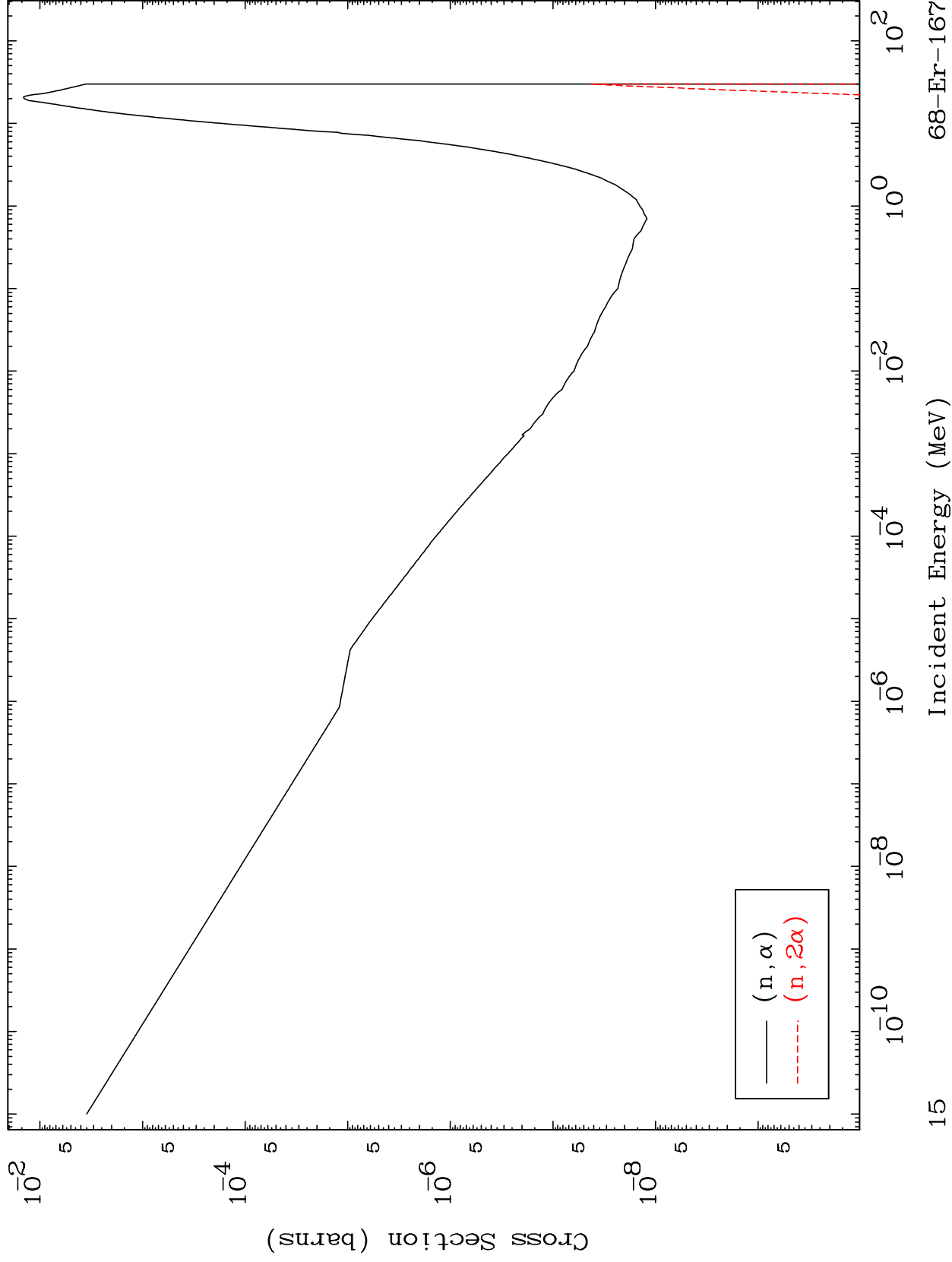
Incident Energy (MeV)

68-Er-167

MAT 6840

(n, α) Levels
293 Kelvin Cross Sections

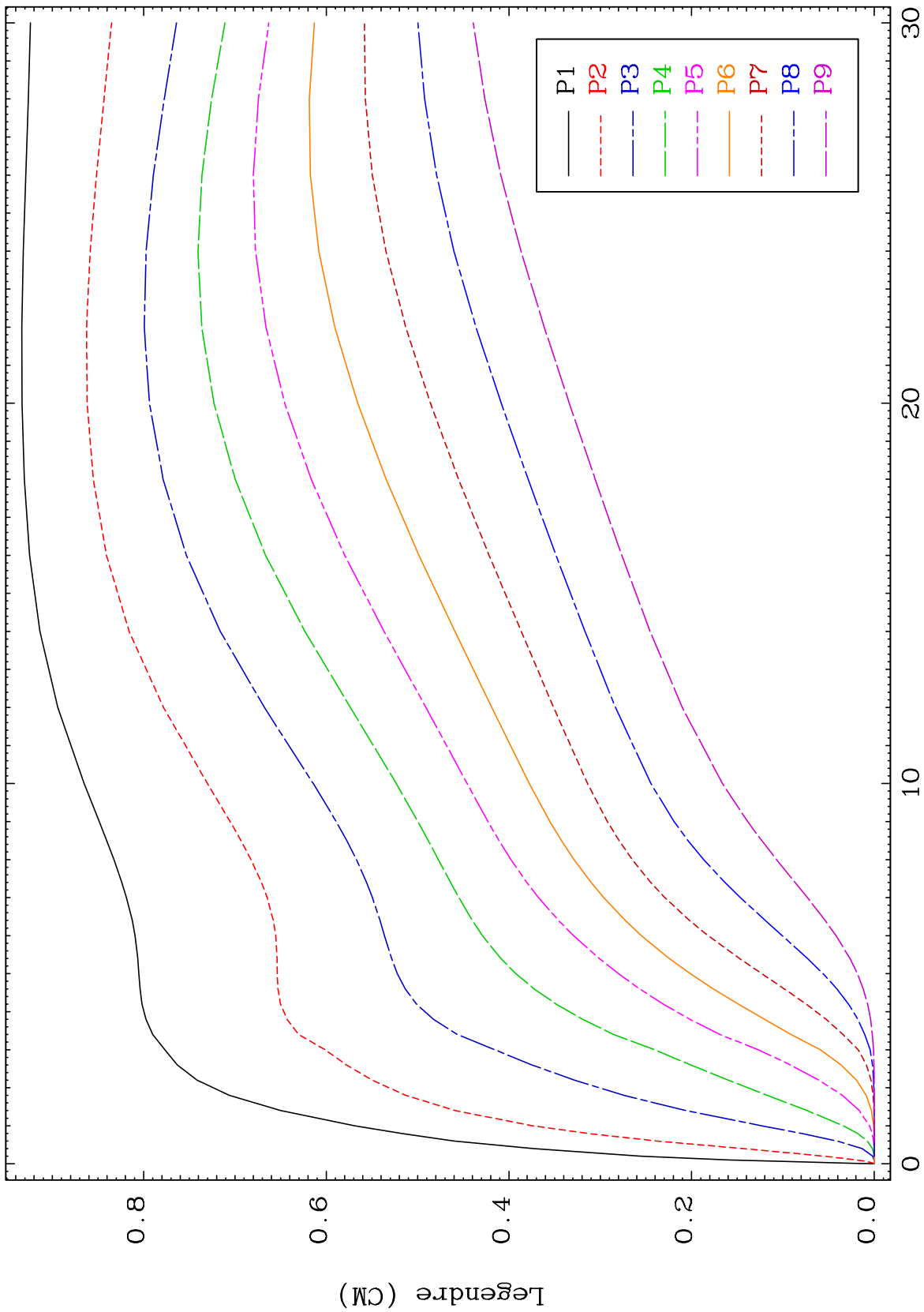
68-Er-167



MAT 6840

68-Er-167

Elastic Legendre Coefficients



68-Er-167

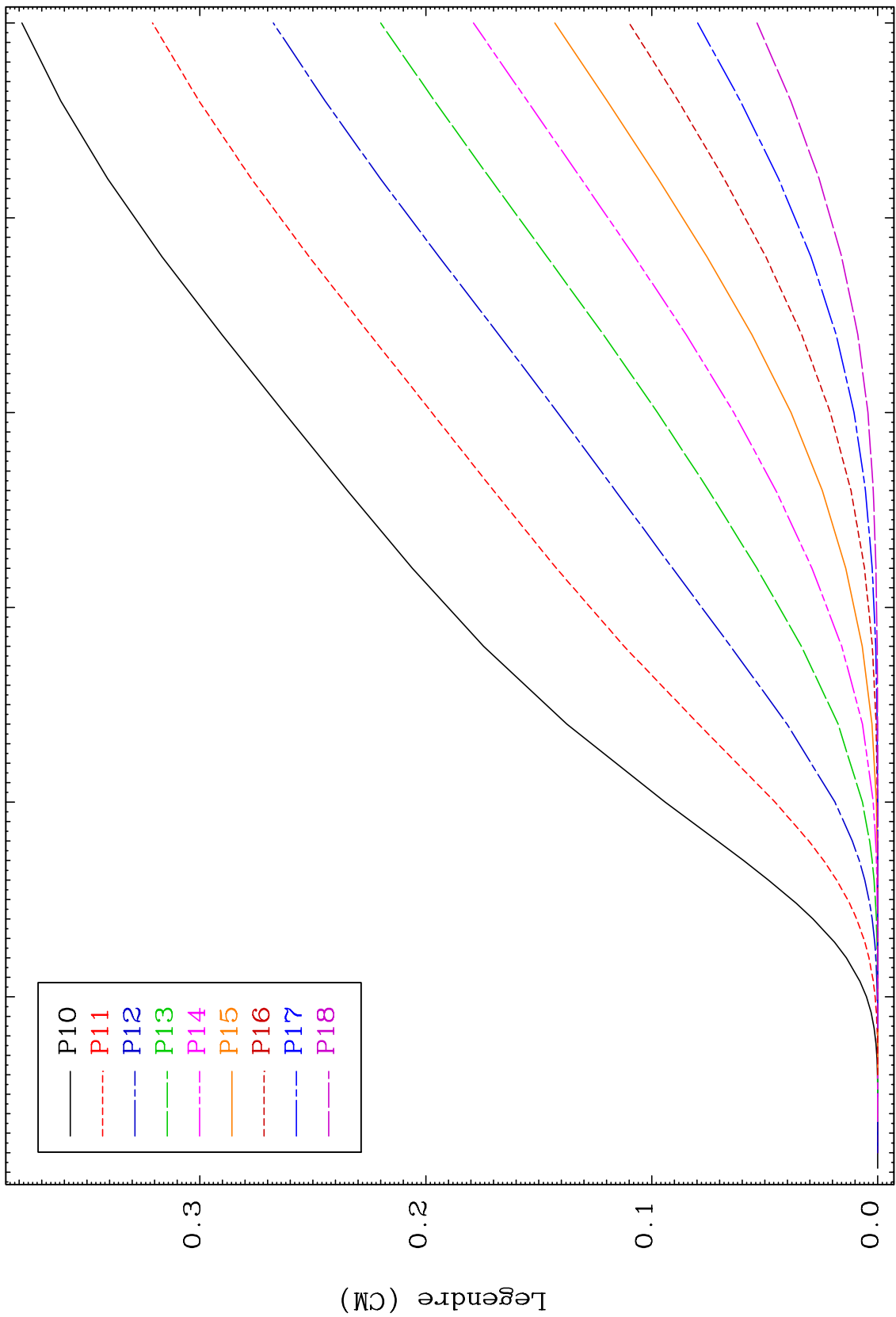
Incident Energy (MeV)

16

MAT 6840

Elastic Legendre Coefficients

68-Er-167



17

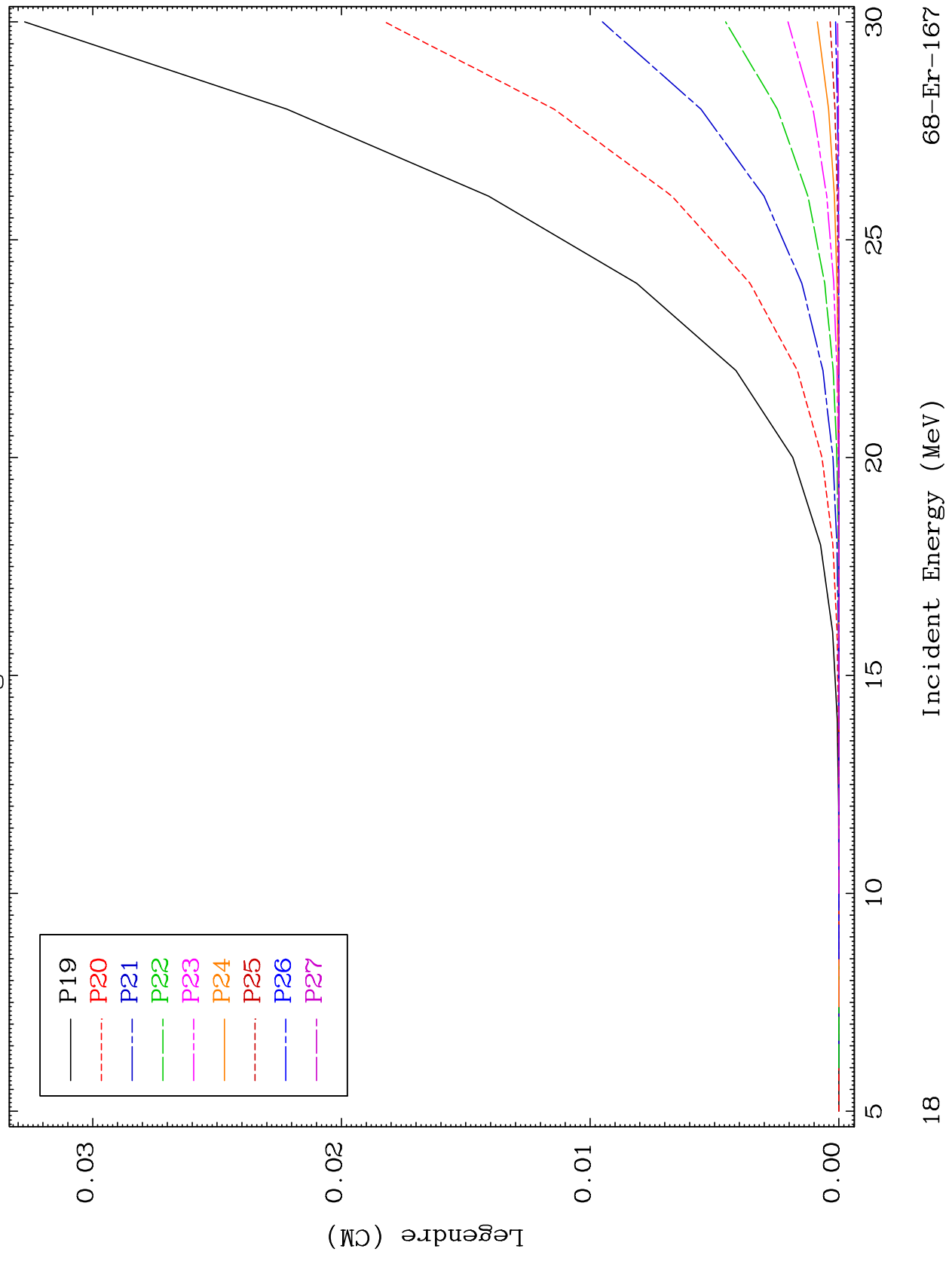
Incident Energy (MeV)

68-Er-167

MAT 6840

Elastic
Legendre Coefficients

68-Er-167



68-Er-167

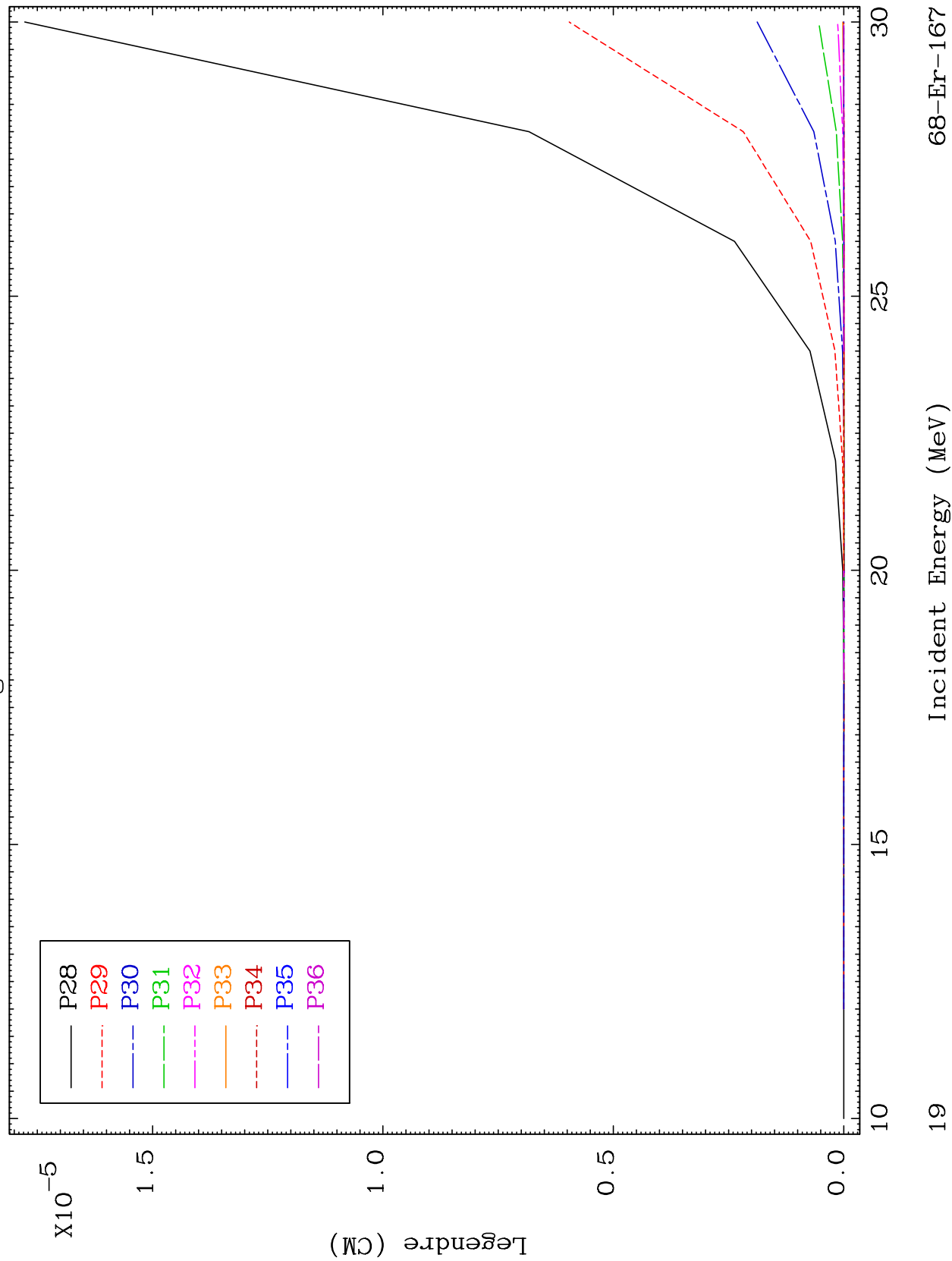
Incident Energy (MeV)

18

MAT 6840

Elastic Legendre Coefficients

68-Er-167



68-Er-167

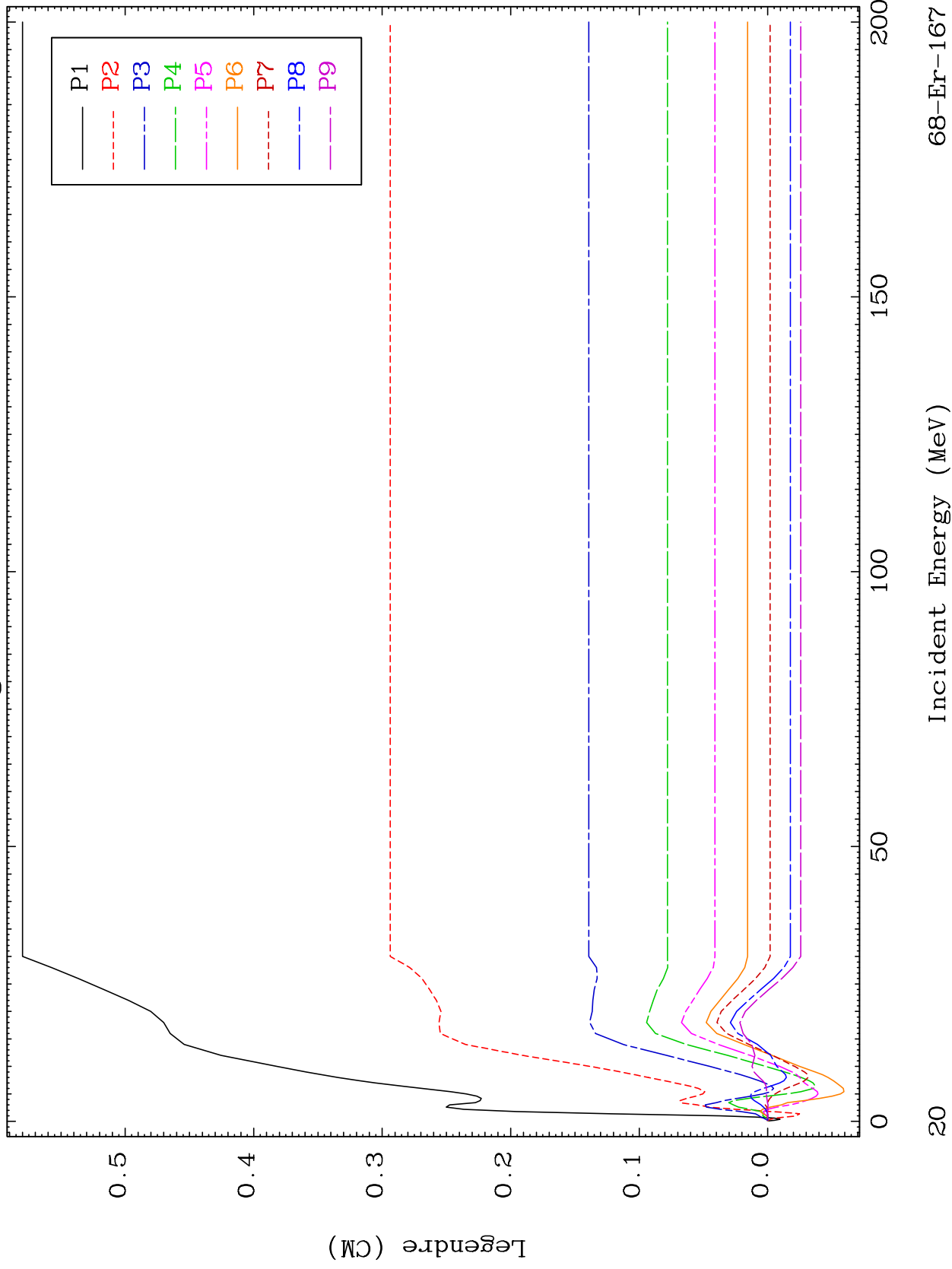
Incident Energy (MeV)

19

MAT 6840

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

68-Er-167



68-Er-167

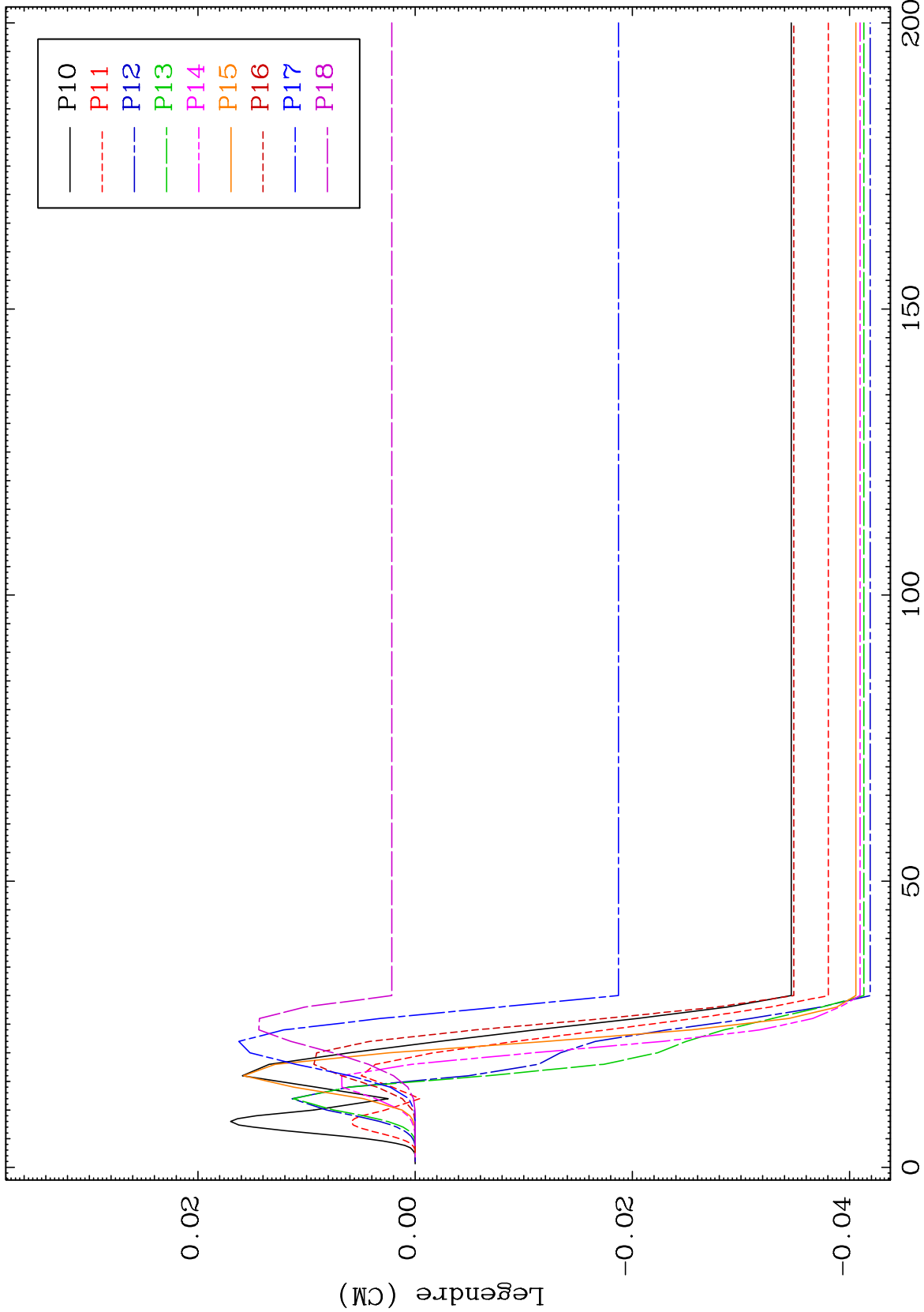
Incident Energy (MeV)

0

MAT 6840

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

68-Er-167



21

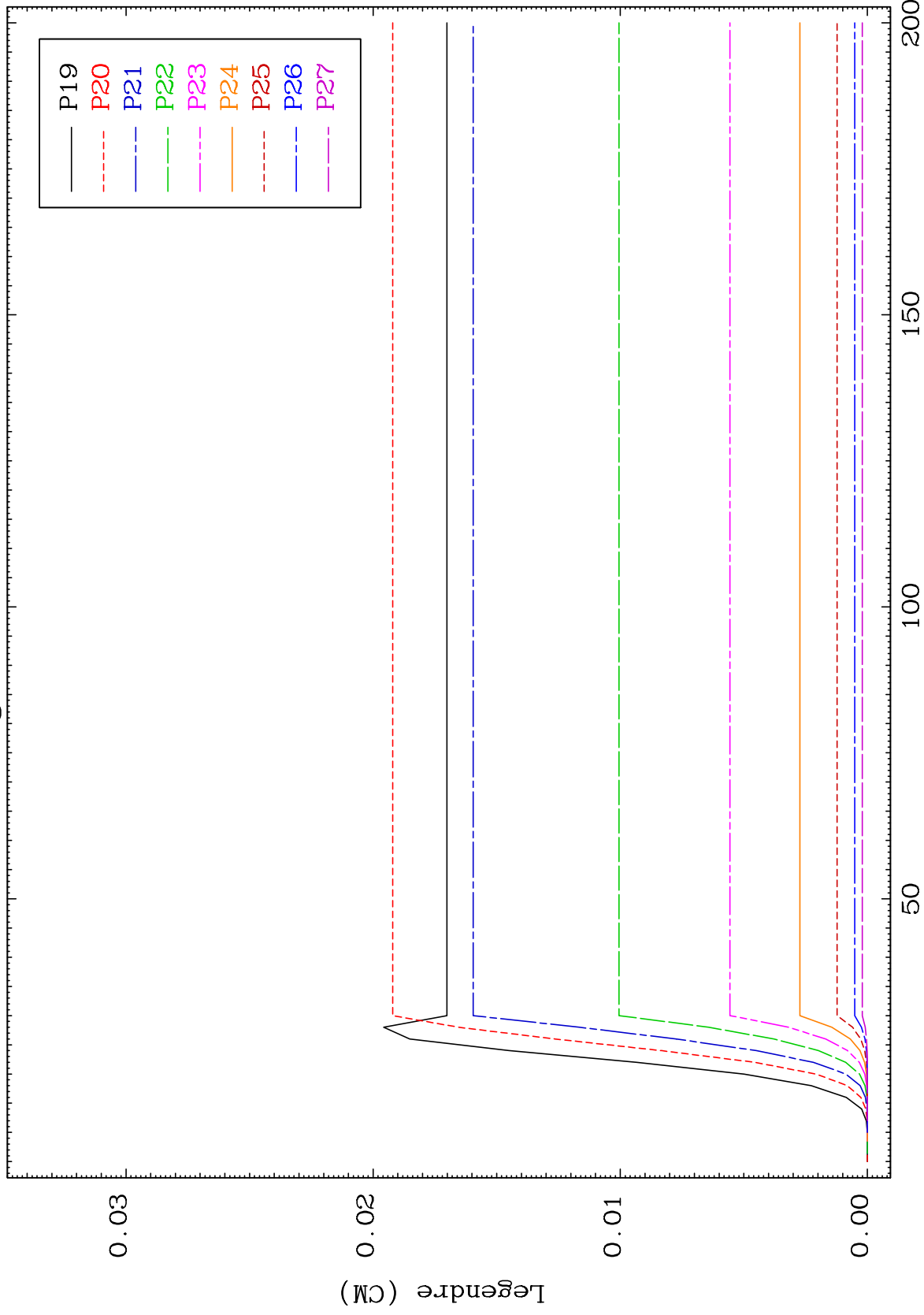
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



22

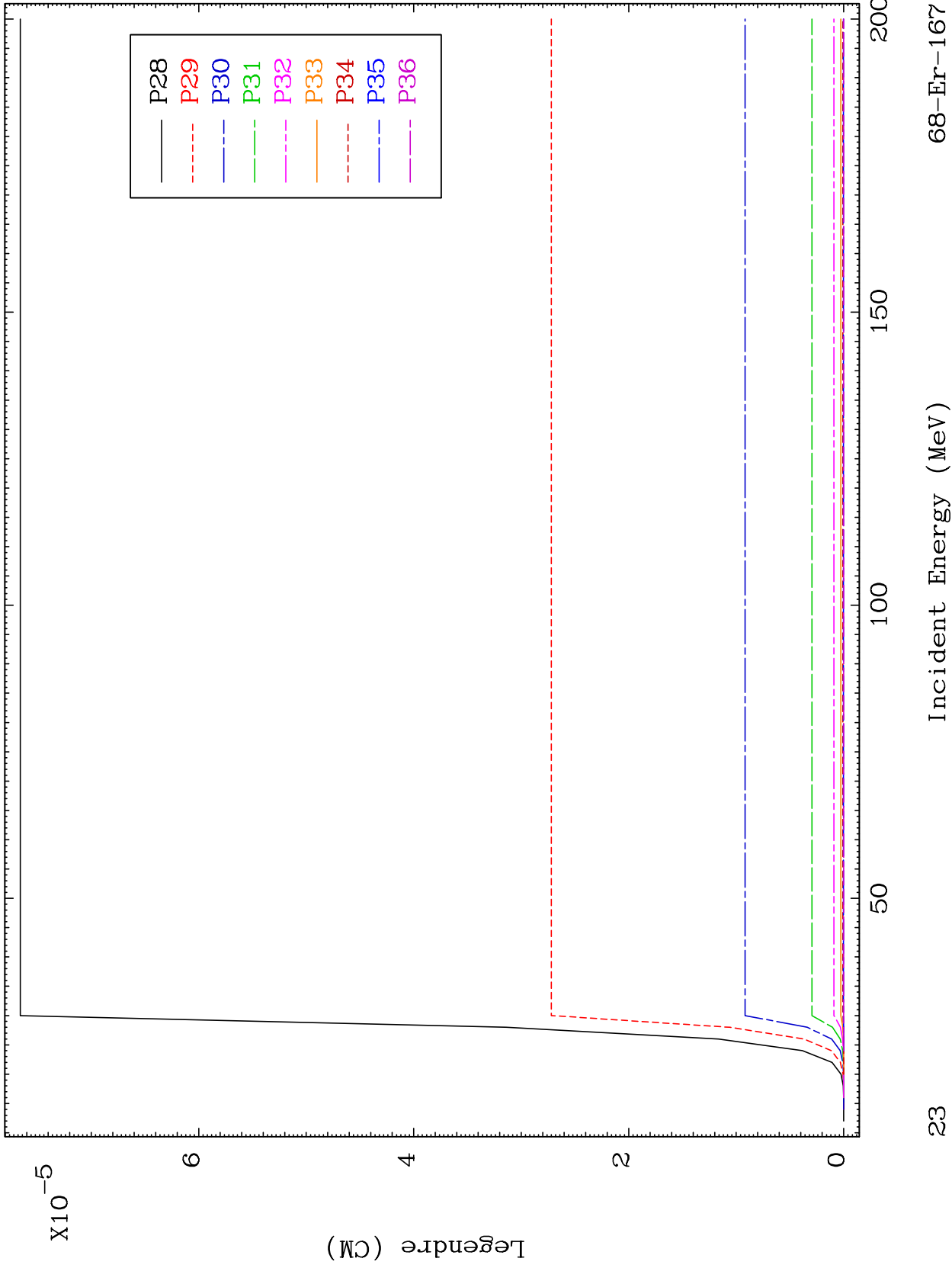
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



23

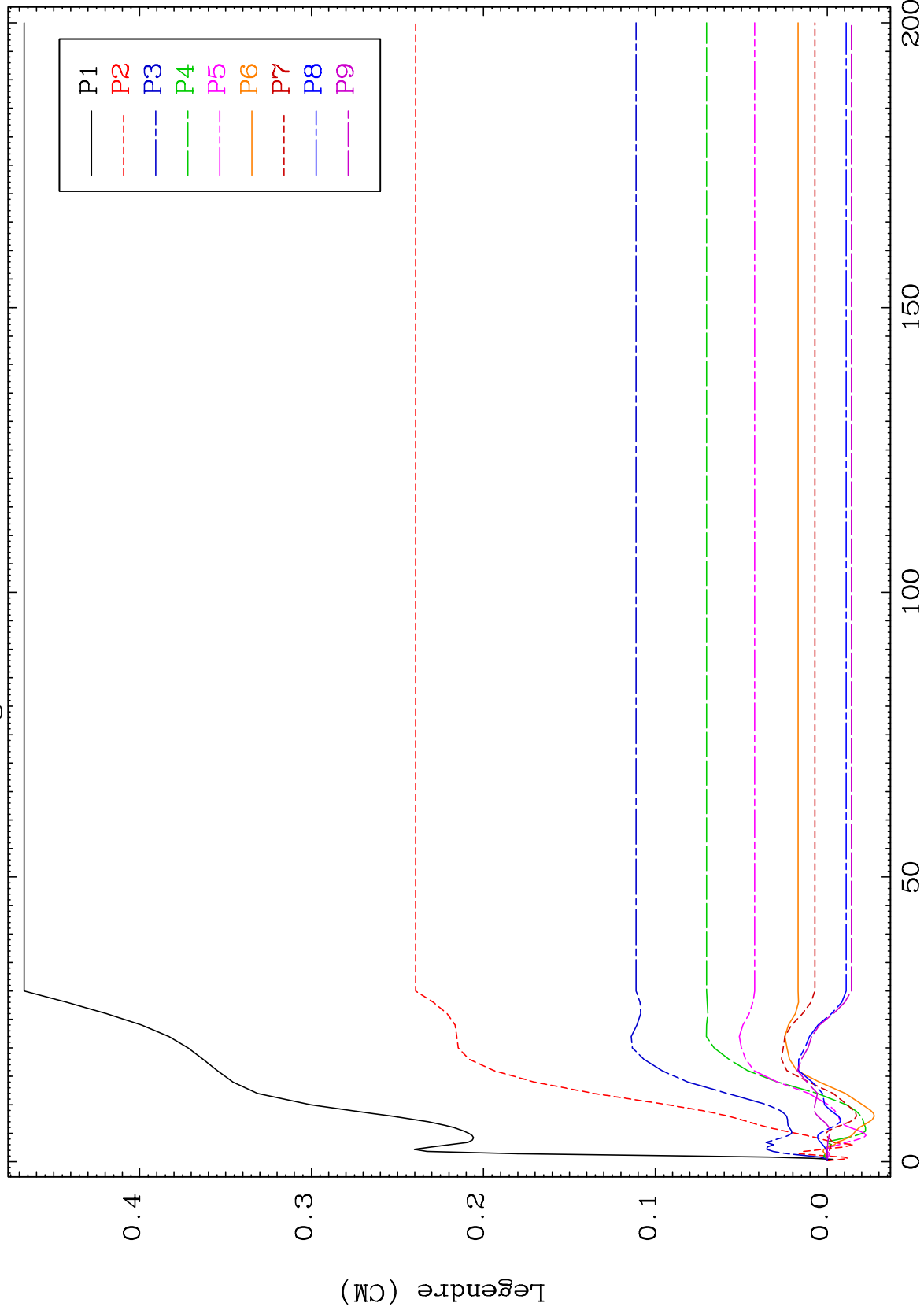
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



24

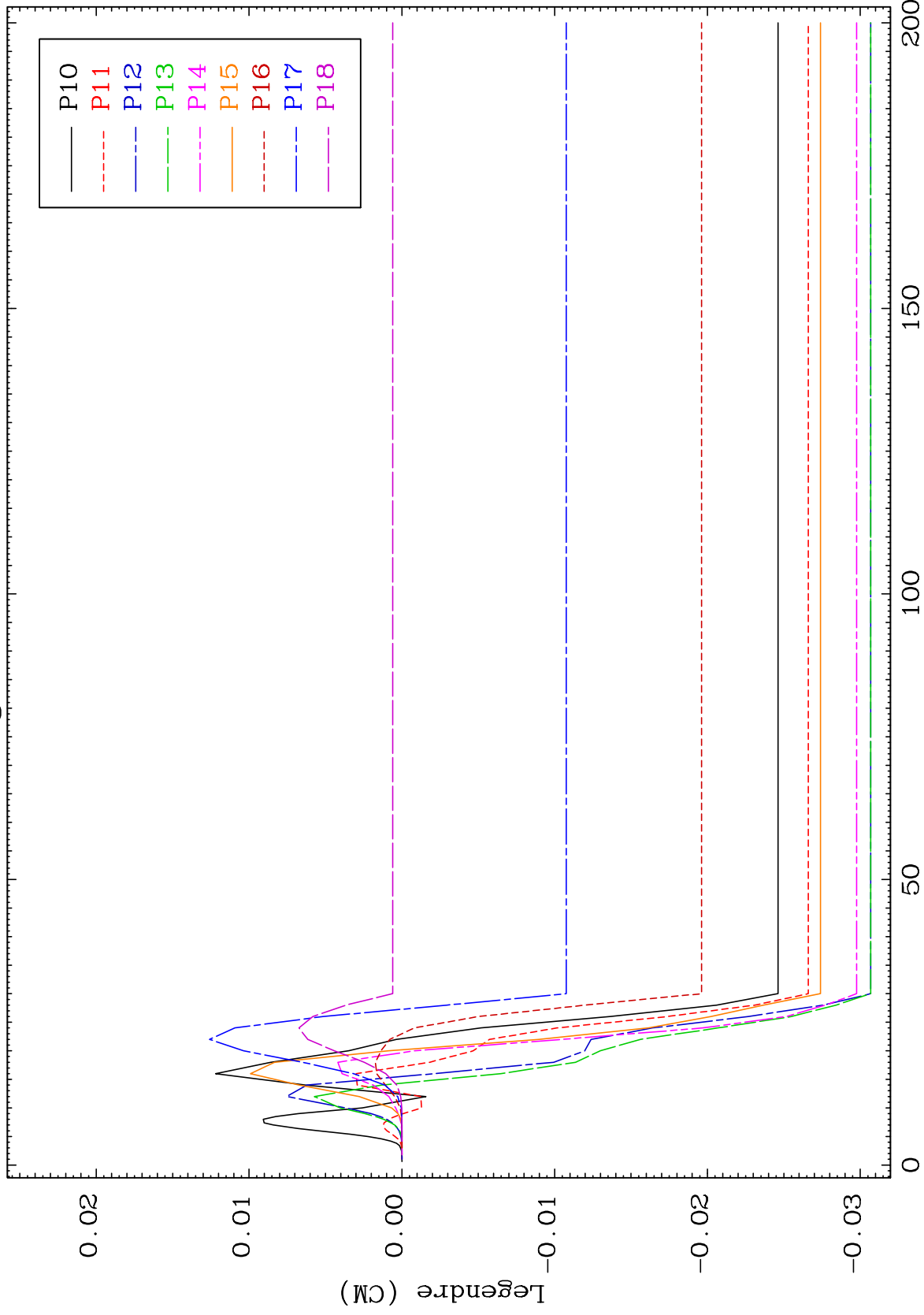
Incident Energy (MeV)

68-Er-167

MAT 6840

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

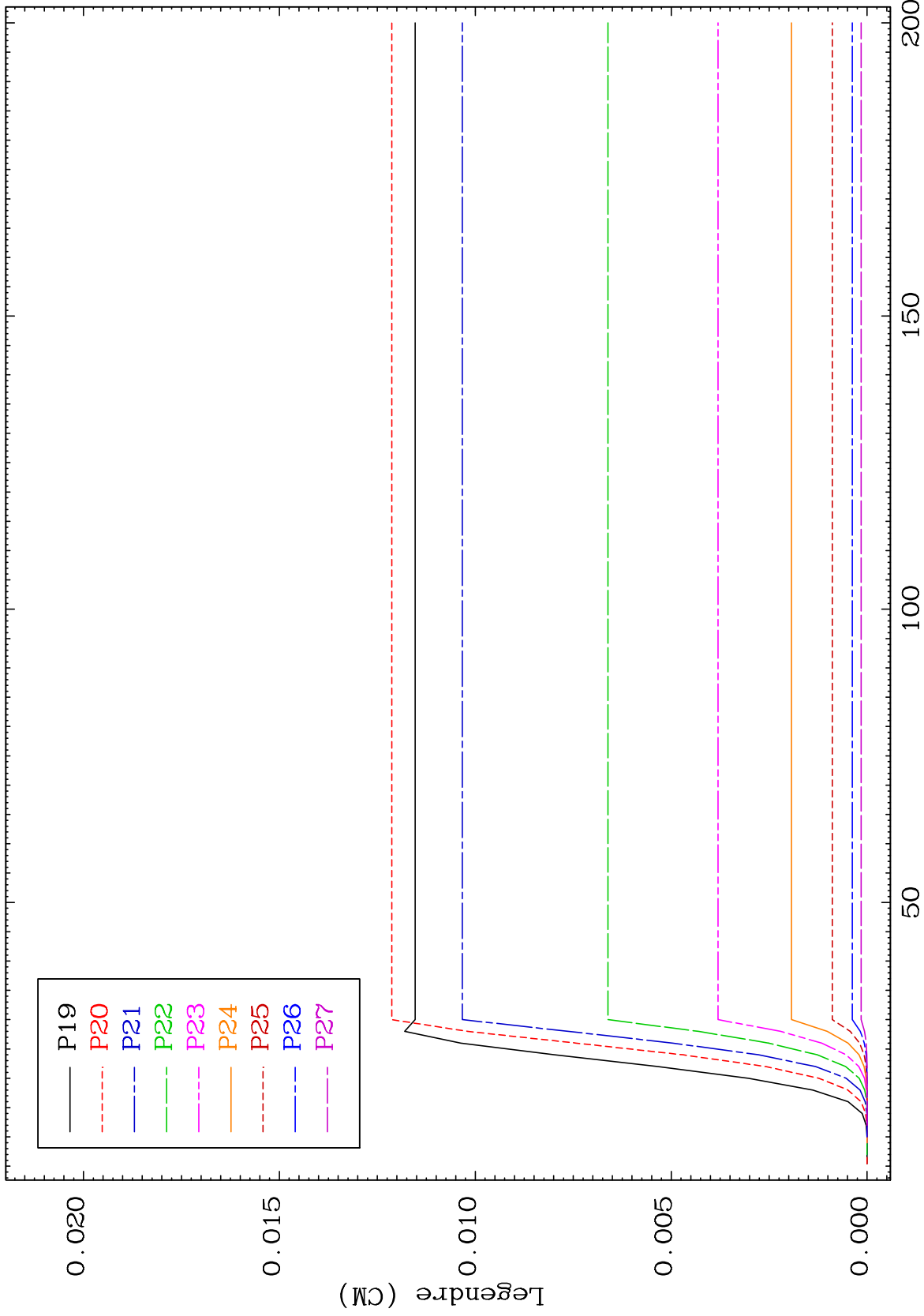
68-Er-167



25

Incident Energy (MeV)

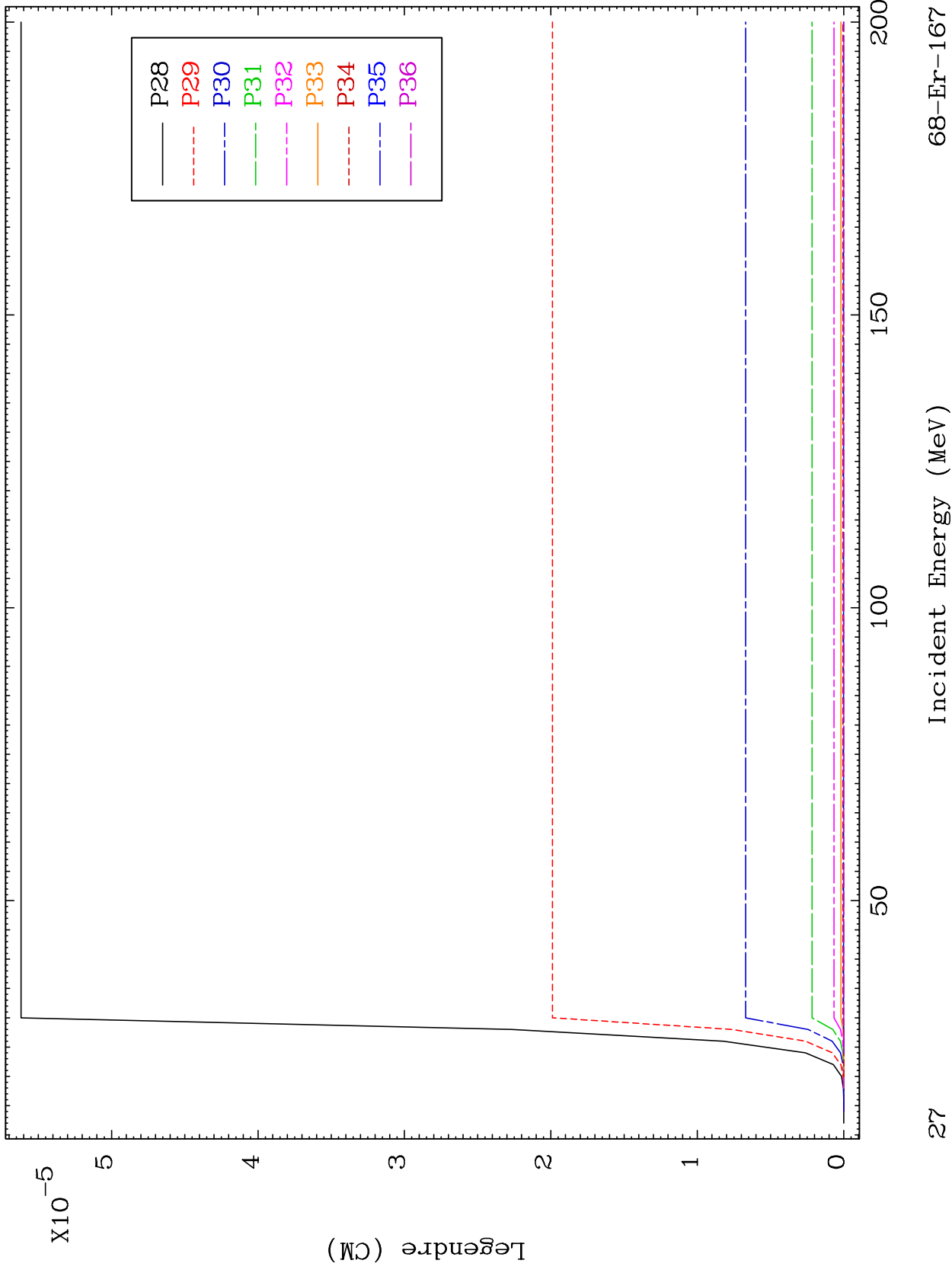
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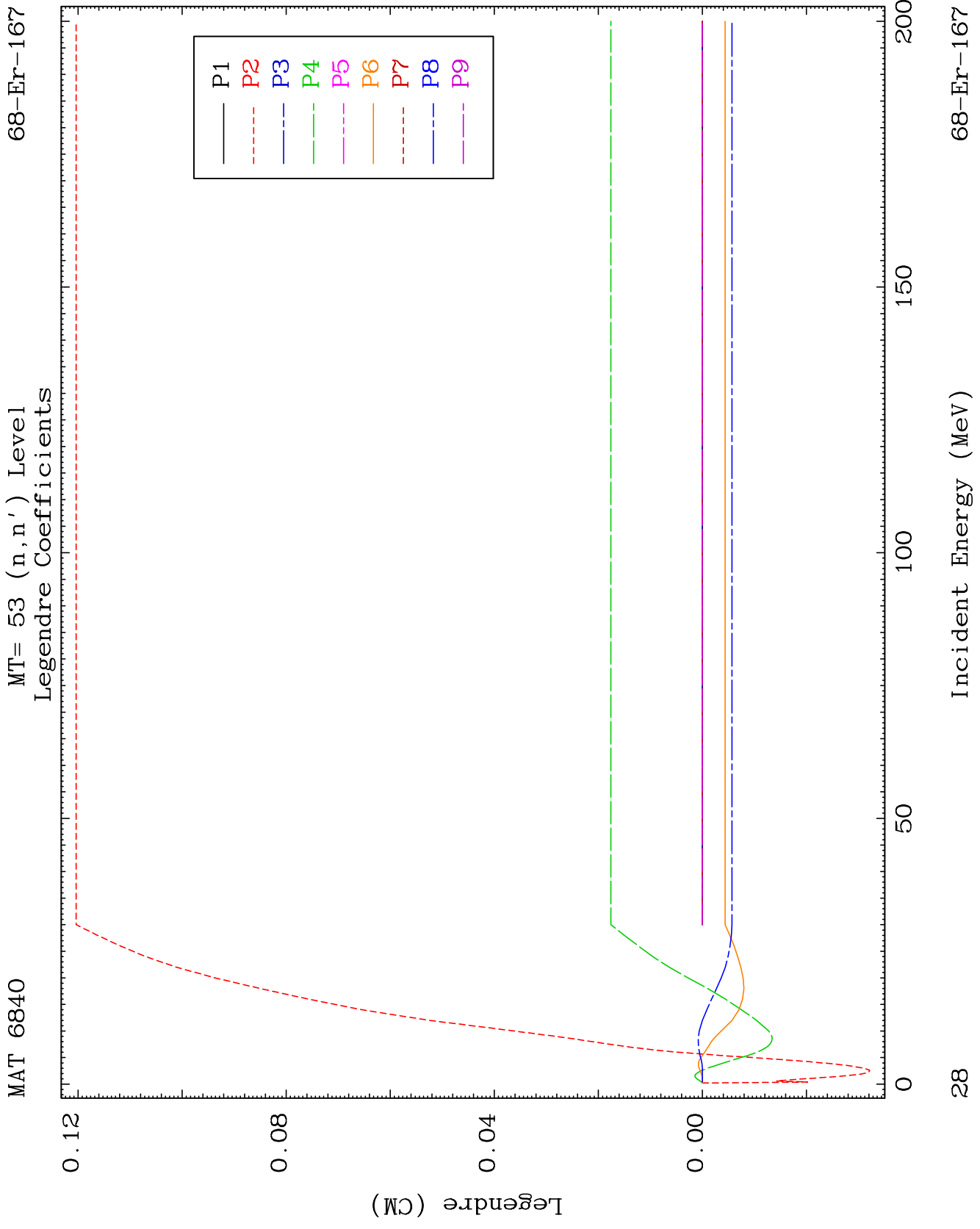


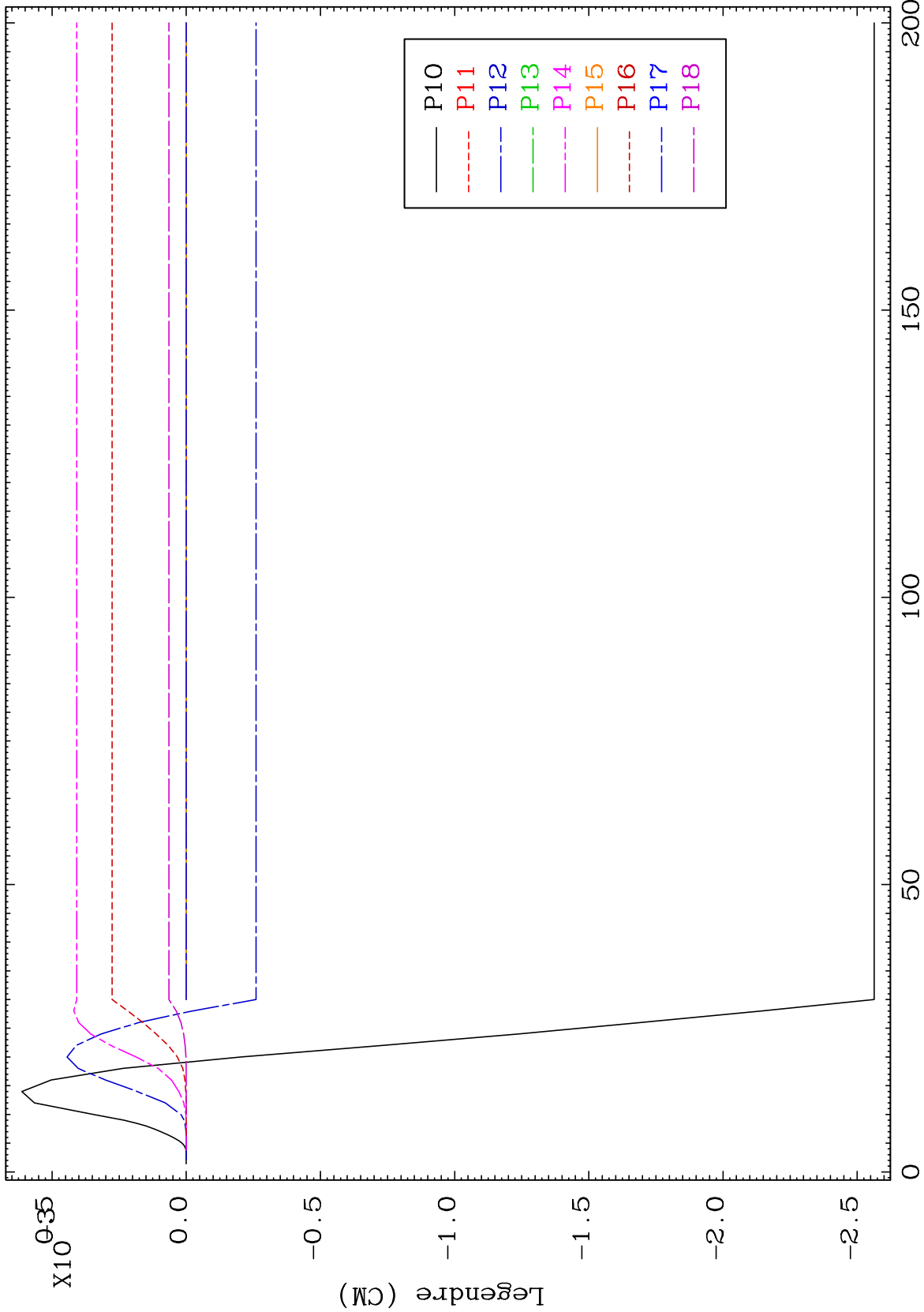
MAT 6840

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

68-Er-167



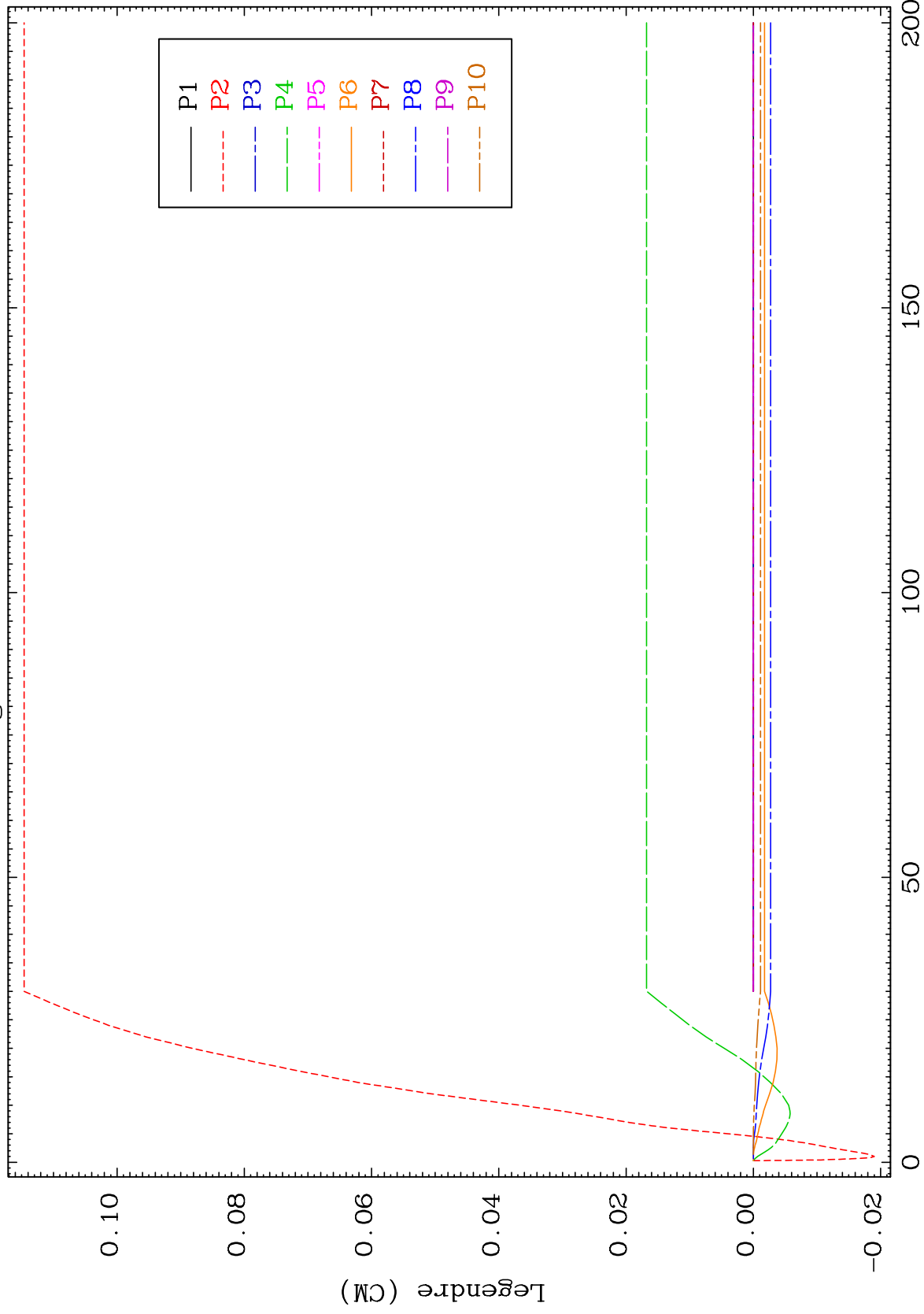




MAT 6840

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

68-Er-167



31

Incident Energy (MeV)

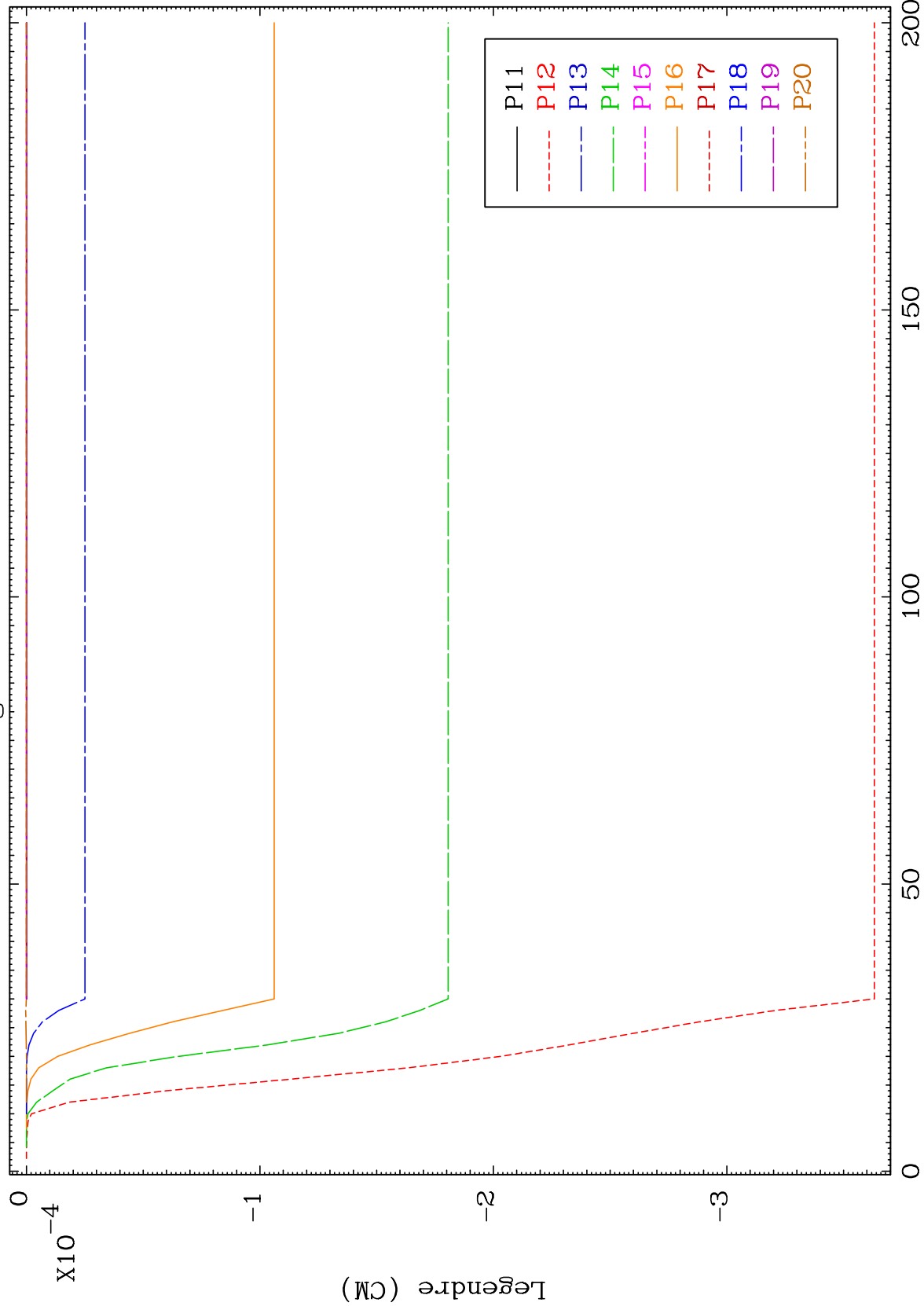
68-Er-167

MAT 6840

MT= 54 (n,n') Level

68-Er-167

Legendre Coefficients



32

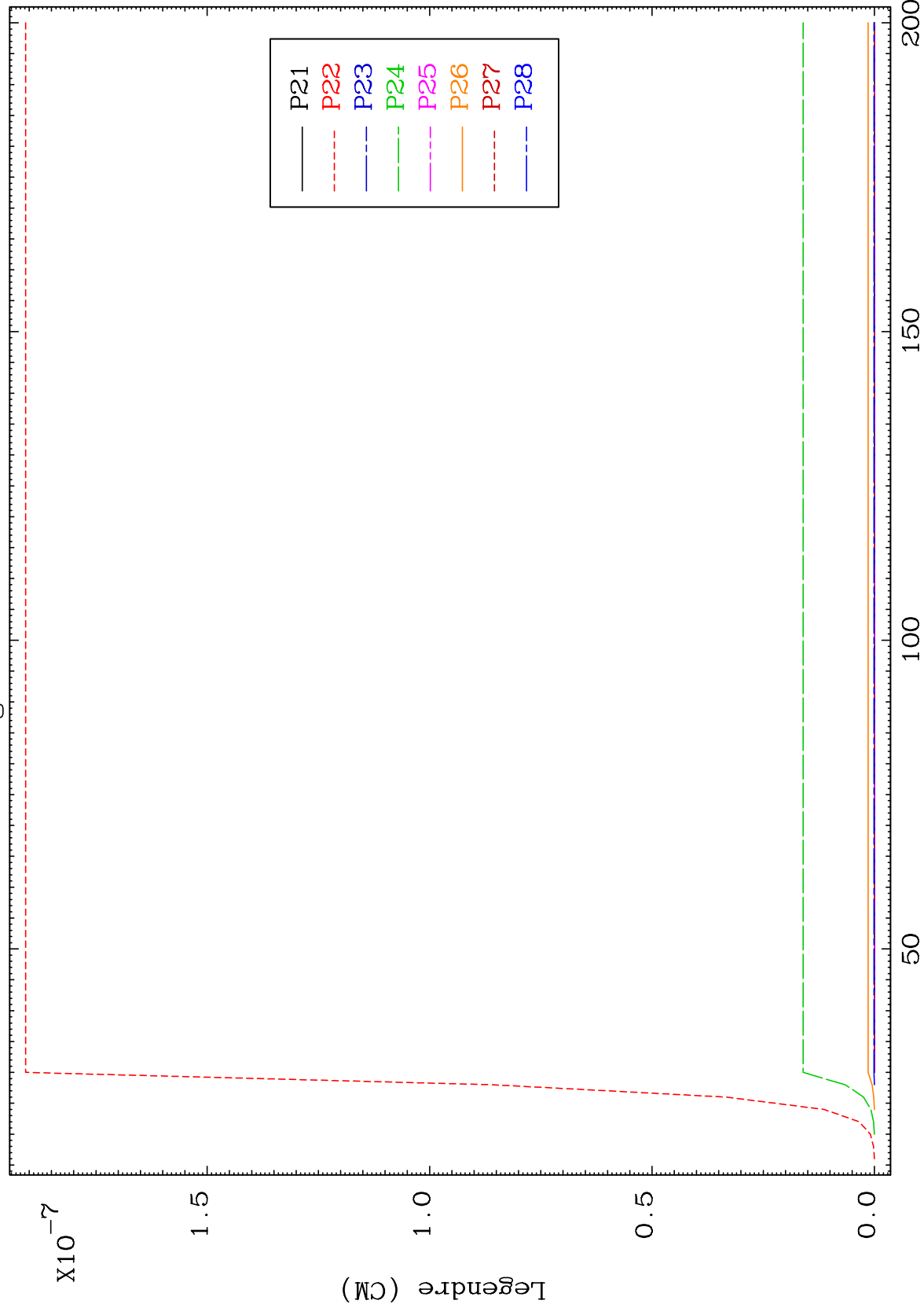
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



33

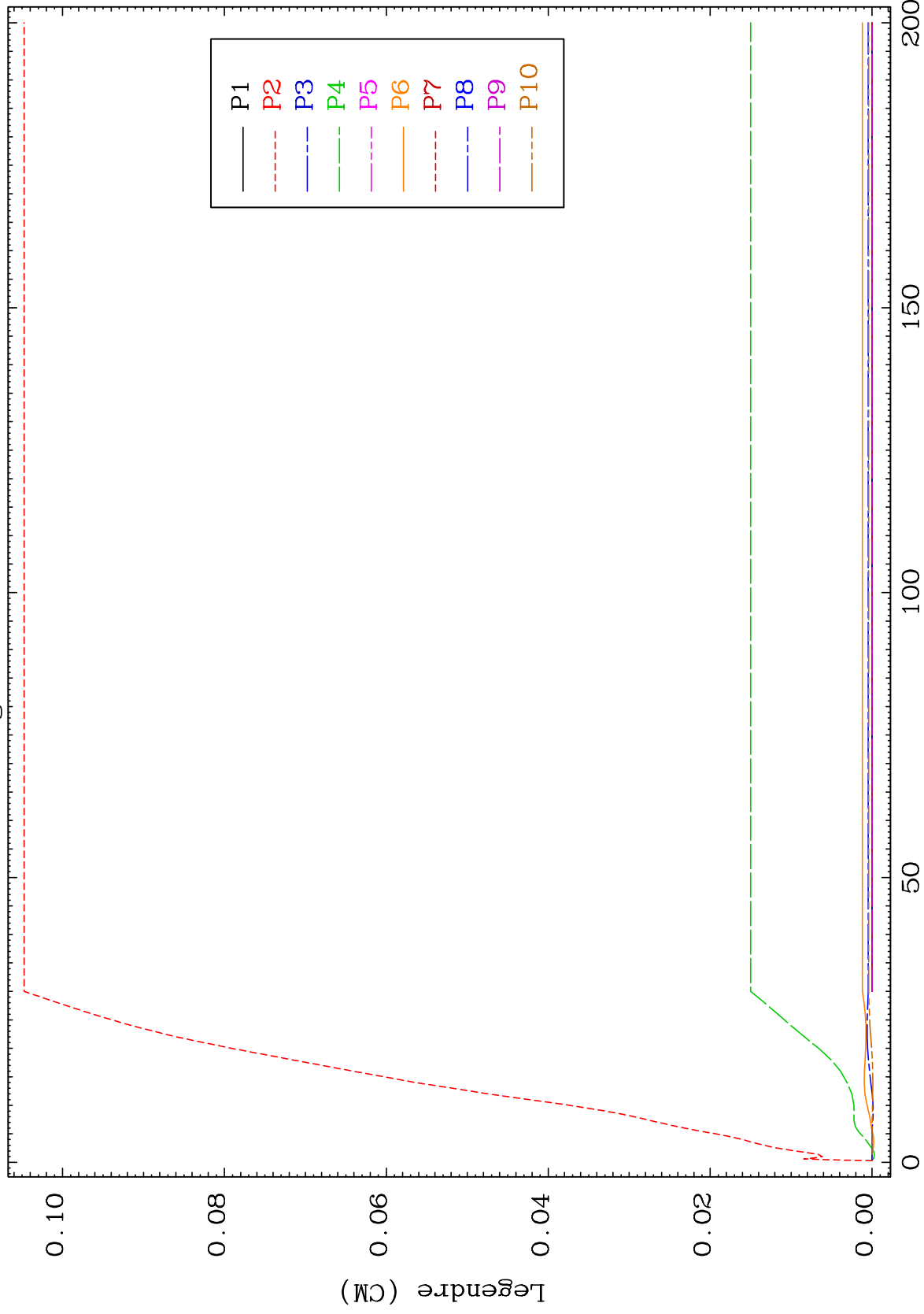
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



34

Incident Energy (MeV)

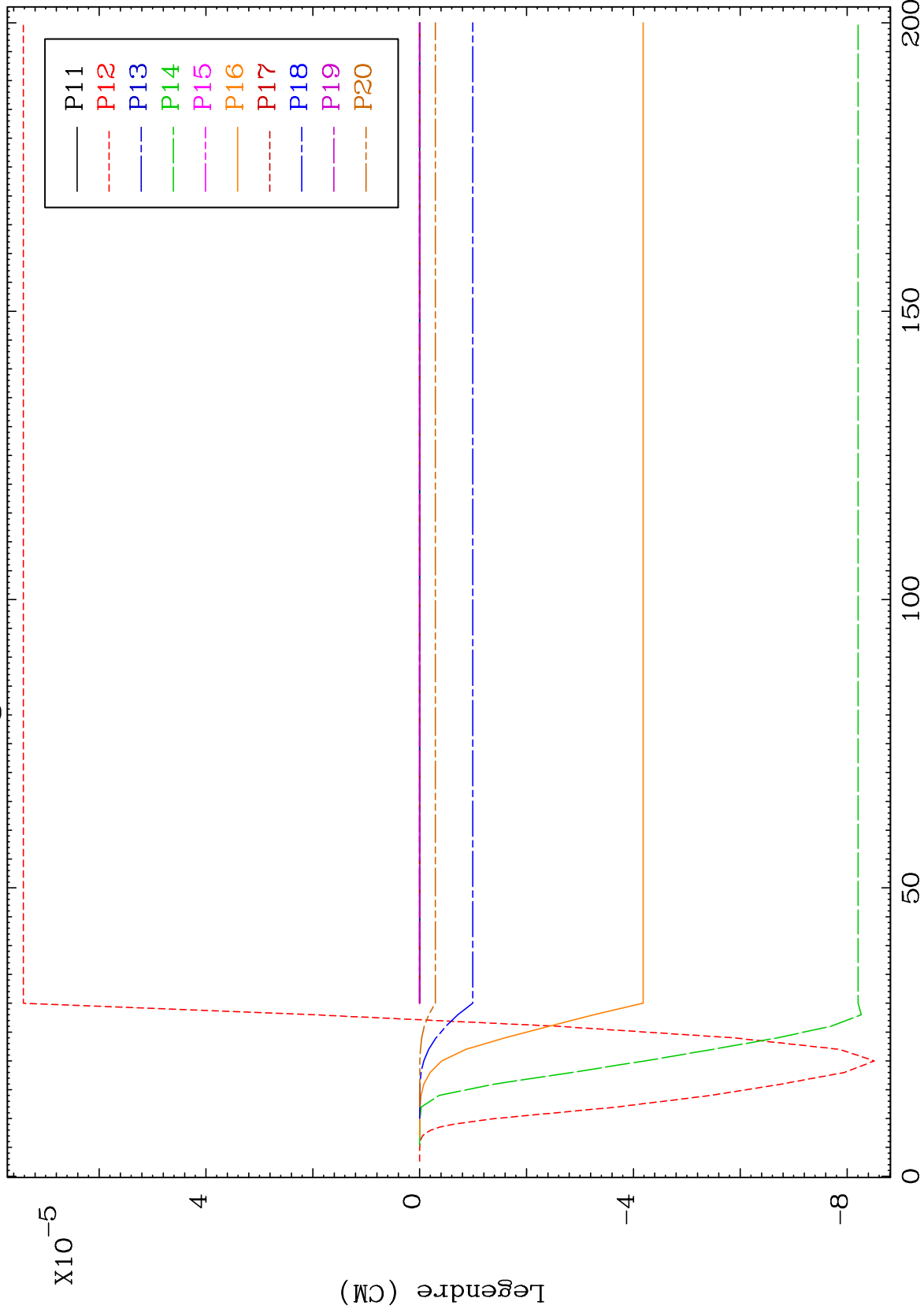
68-Er-167

MAT 6840

MT= 55 (n,n') Level

68-Er-167

Legendre Coefficients



35

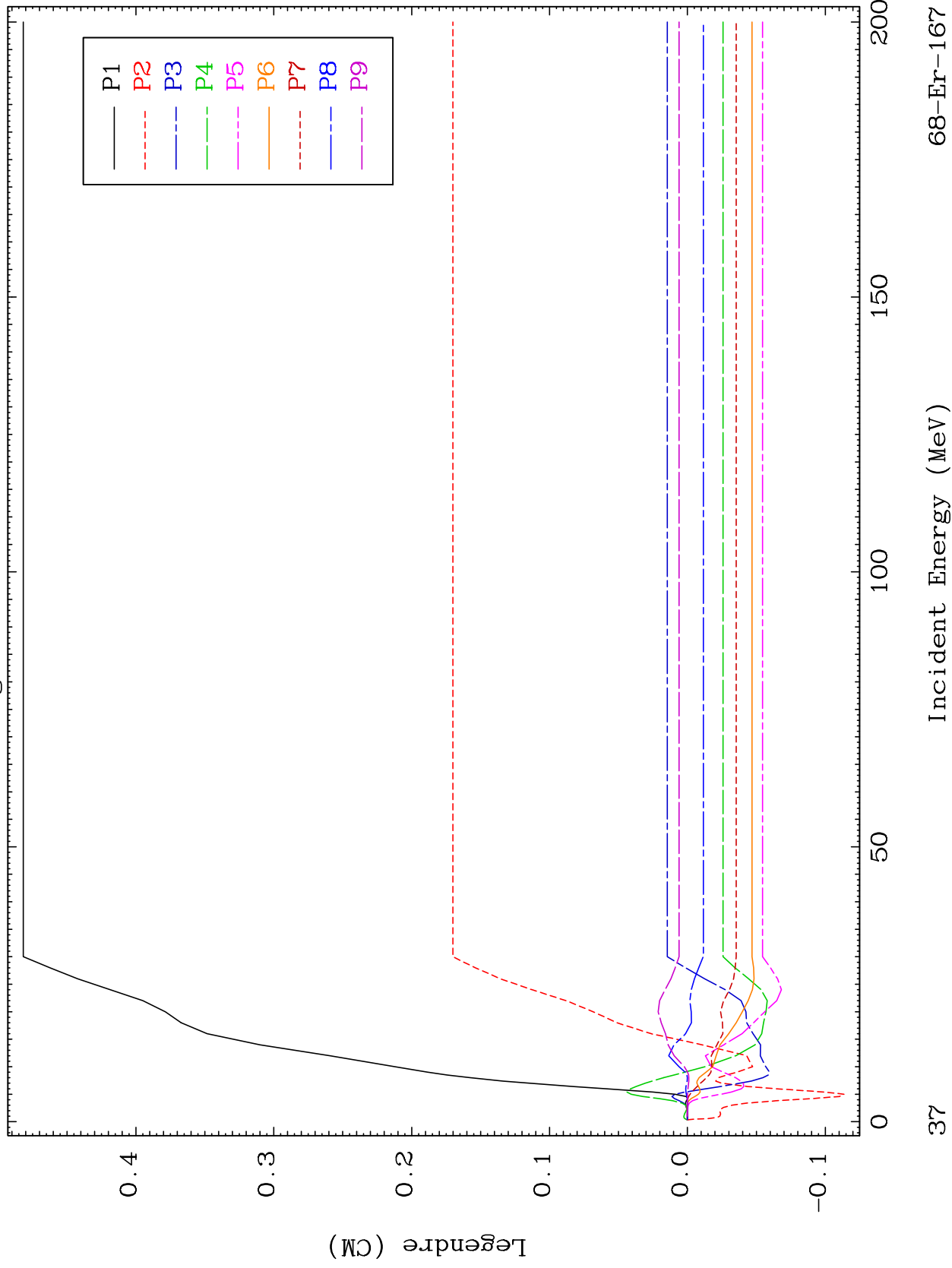
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



68-Er-167

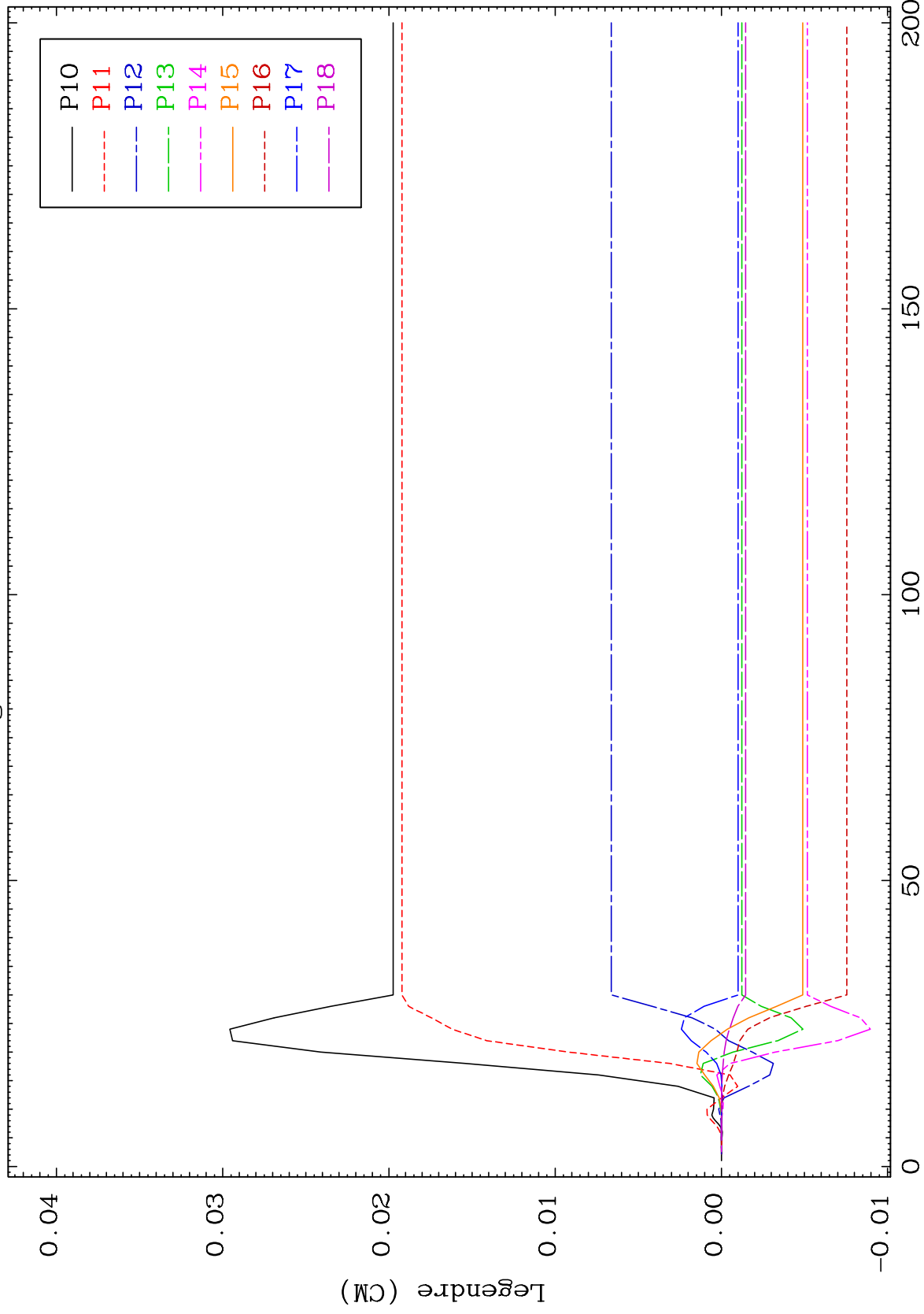
Incident Energy (MeV)

37

MAT 6840

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

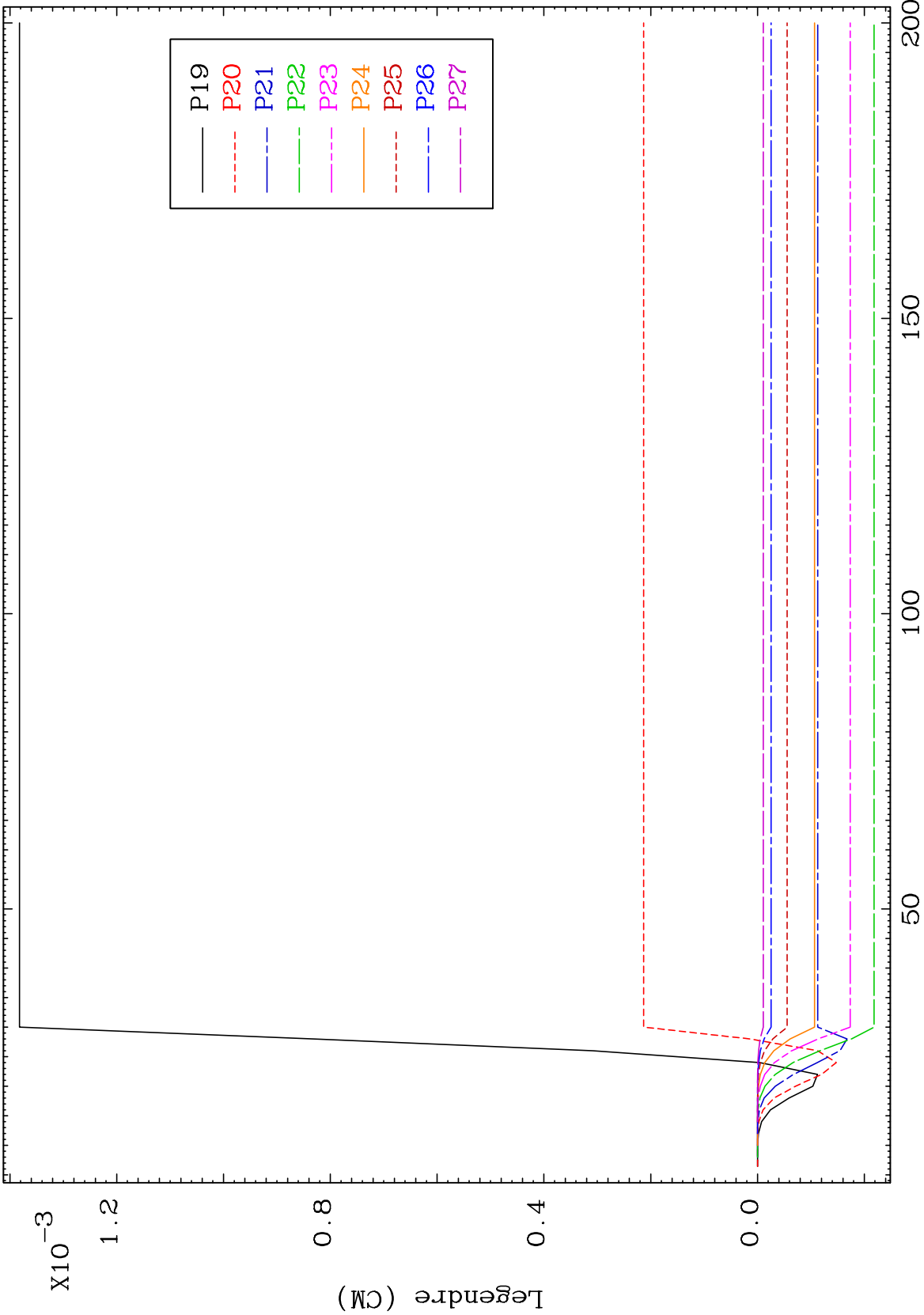
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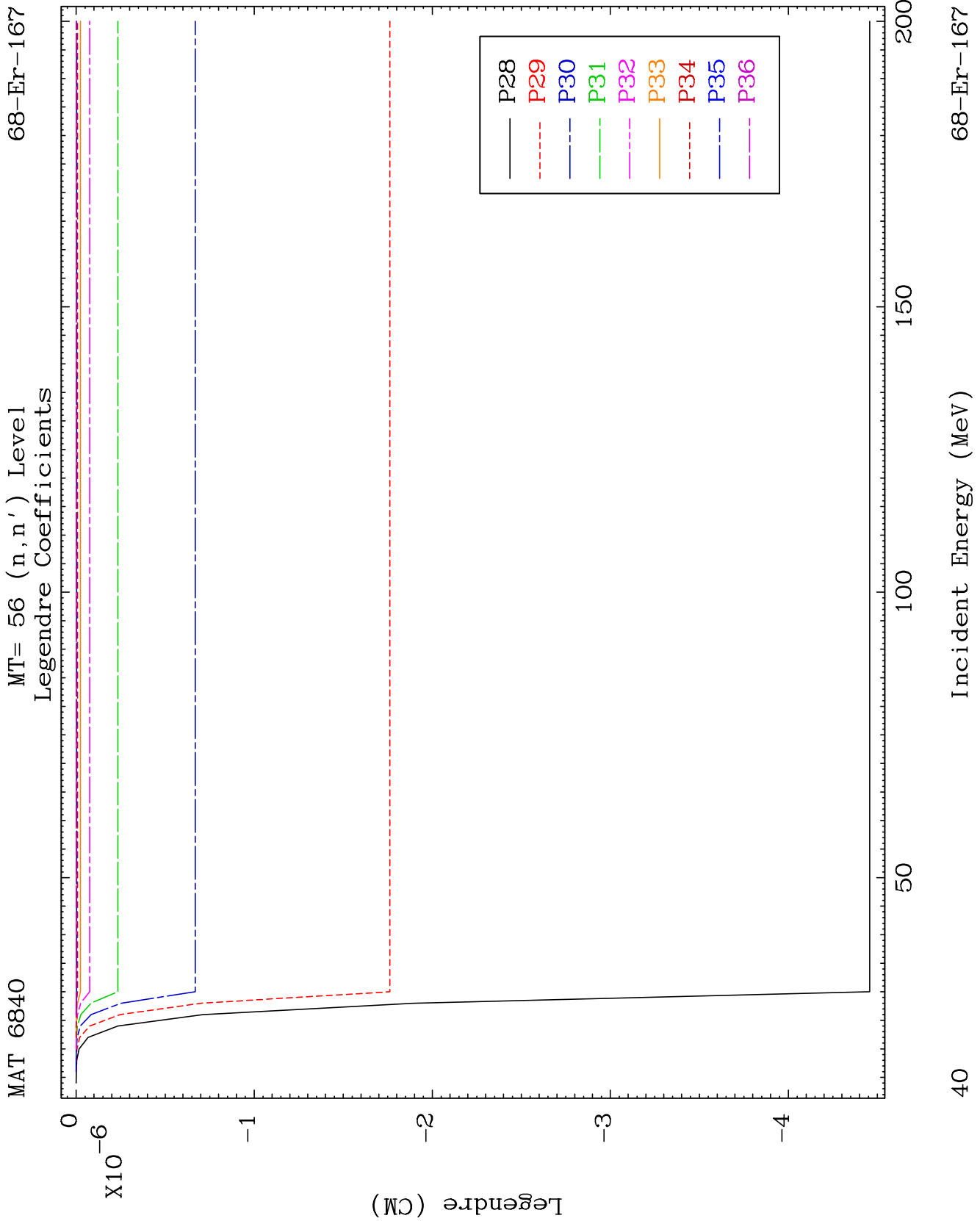


38

Incident Energy (MeV)

68-Er-167

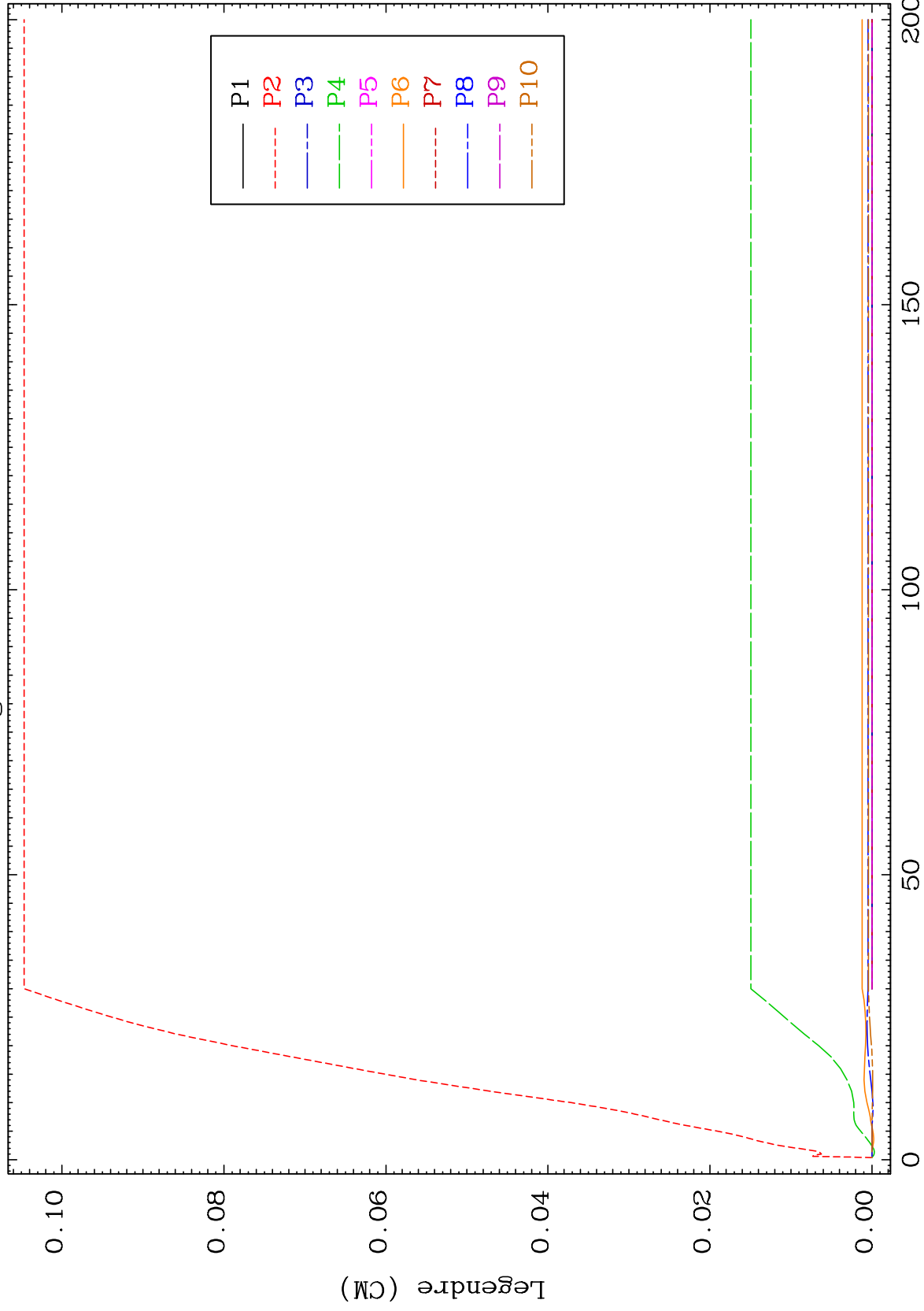




MAT 6840

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

68-Er-167



41

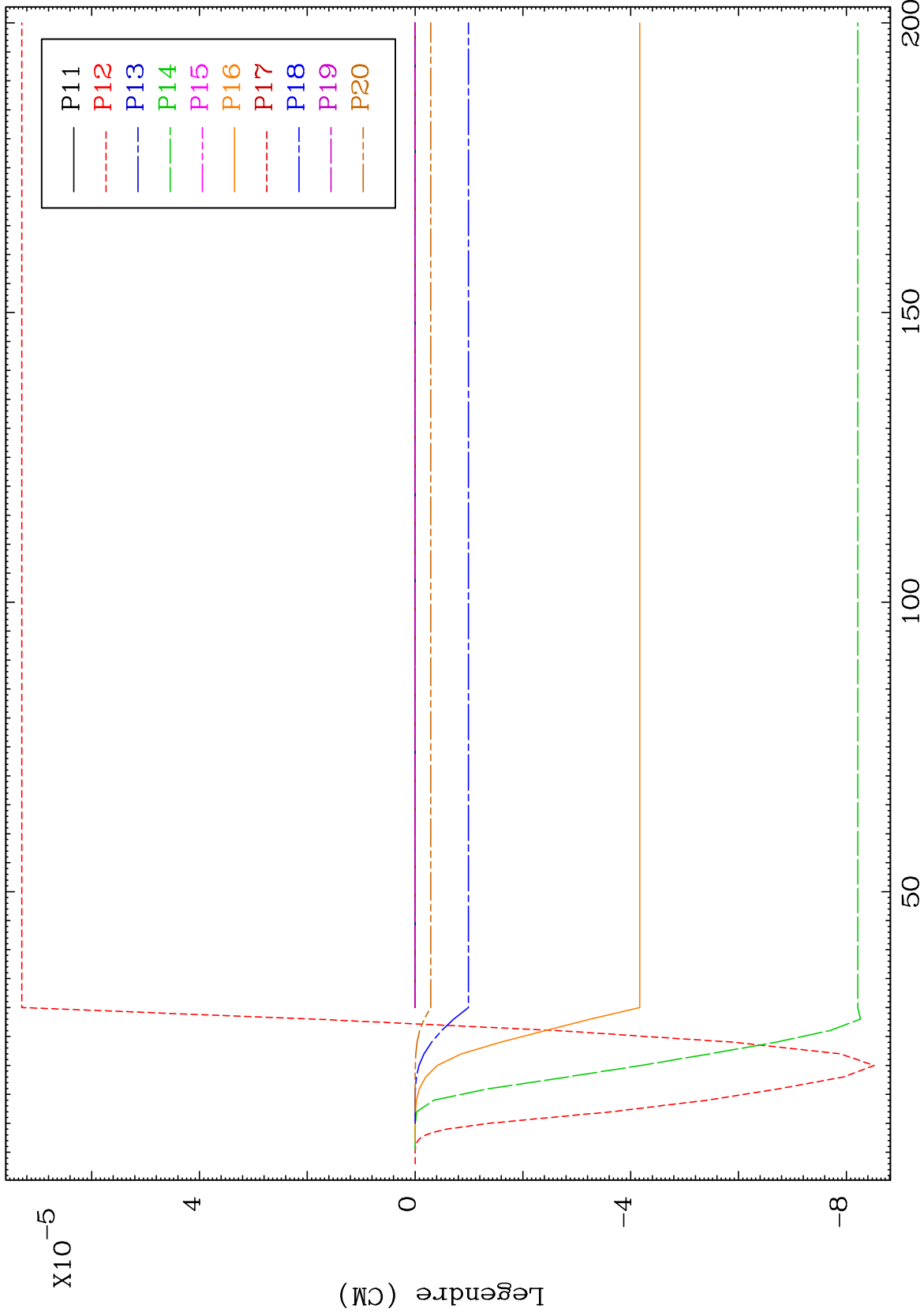
Incident Energy (MeV)

68-Er-167

MAT 6840

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

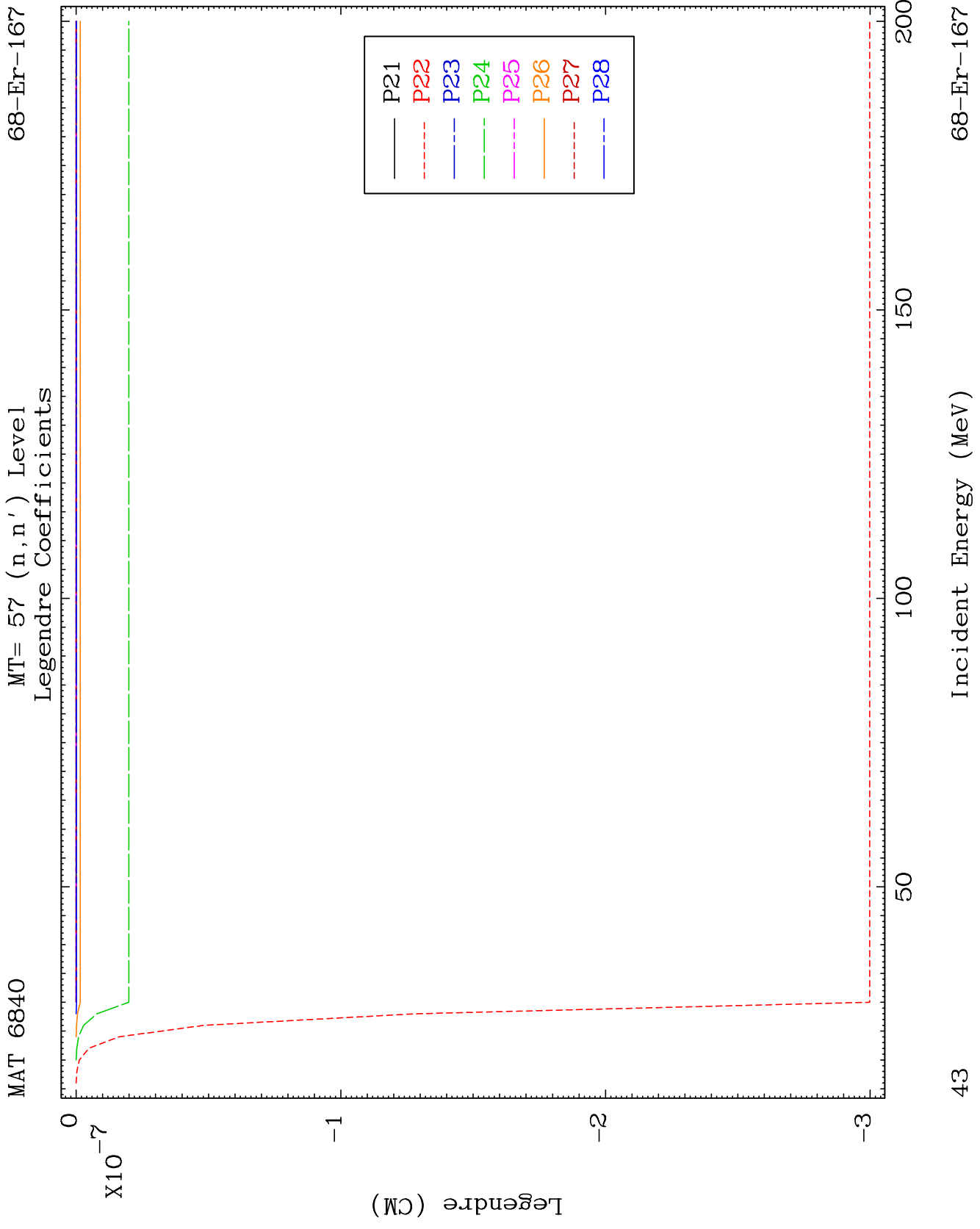
68-Er-167



42

Incident Energy (MeV)

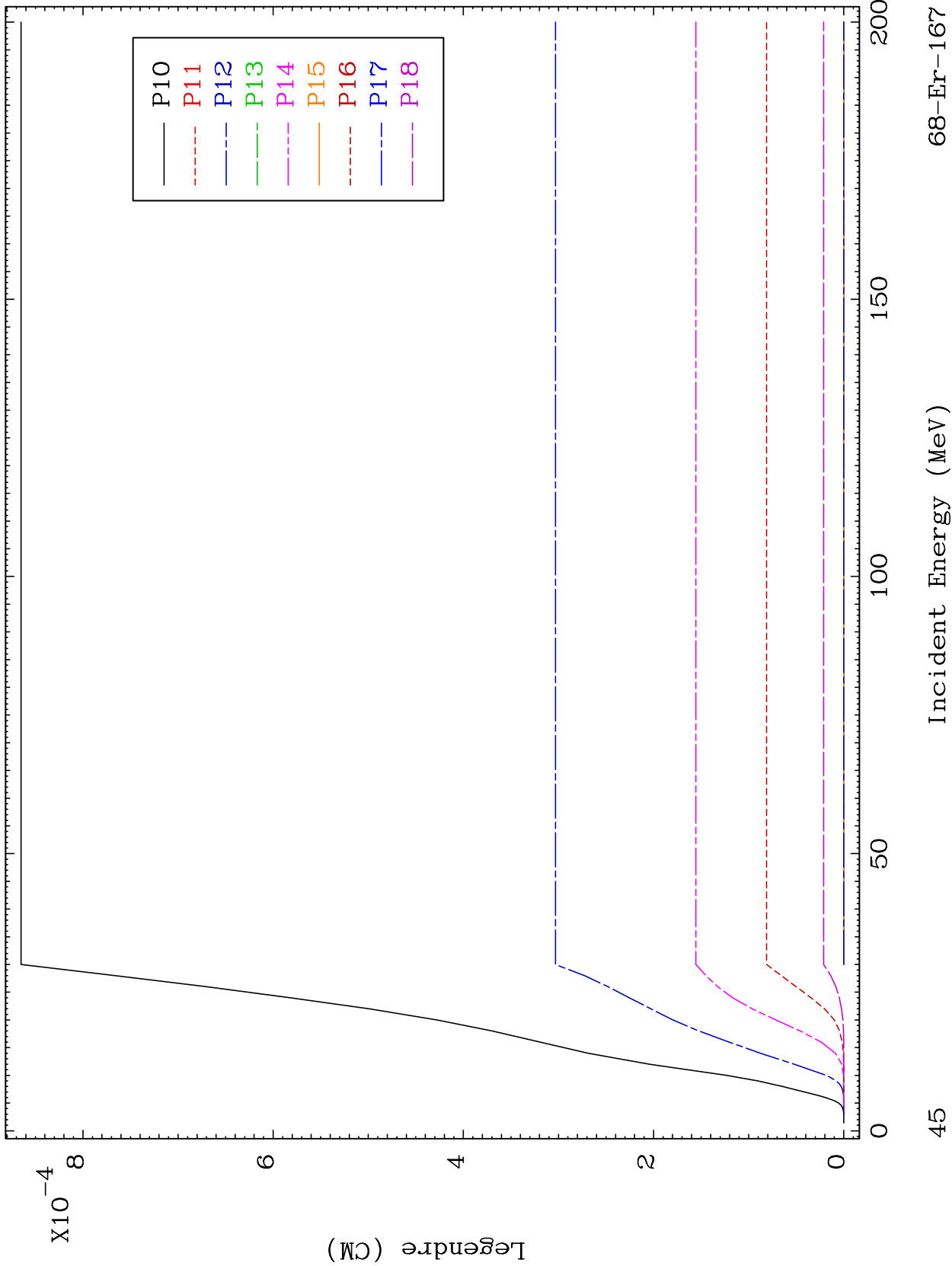
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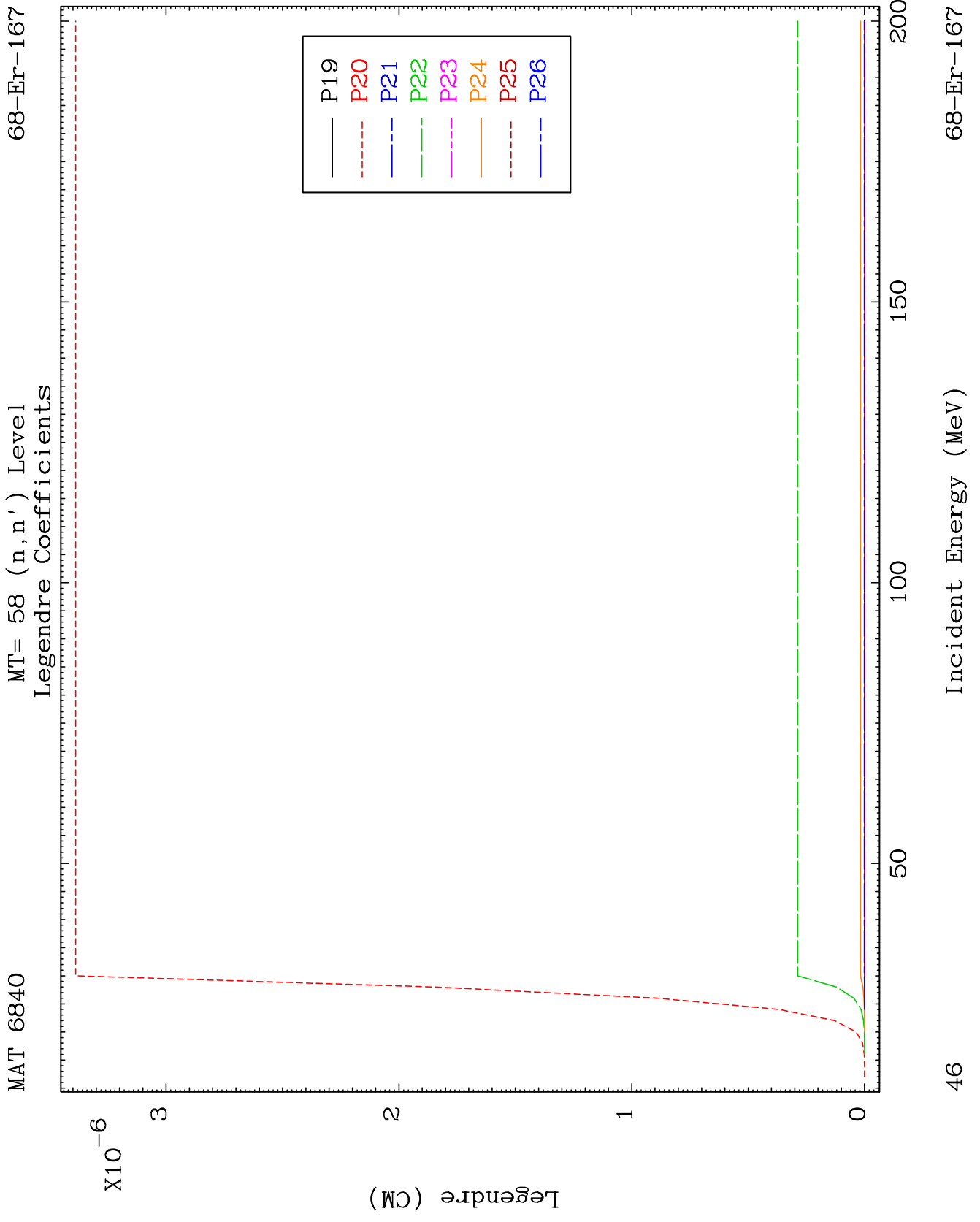


MAT 6840

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

68-Er-167

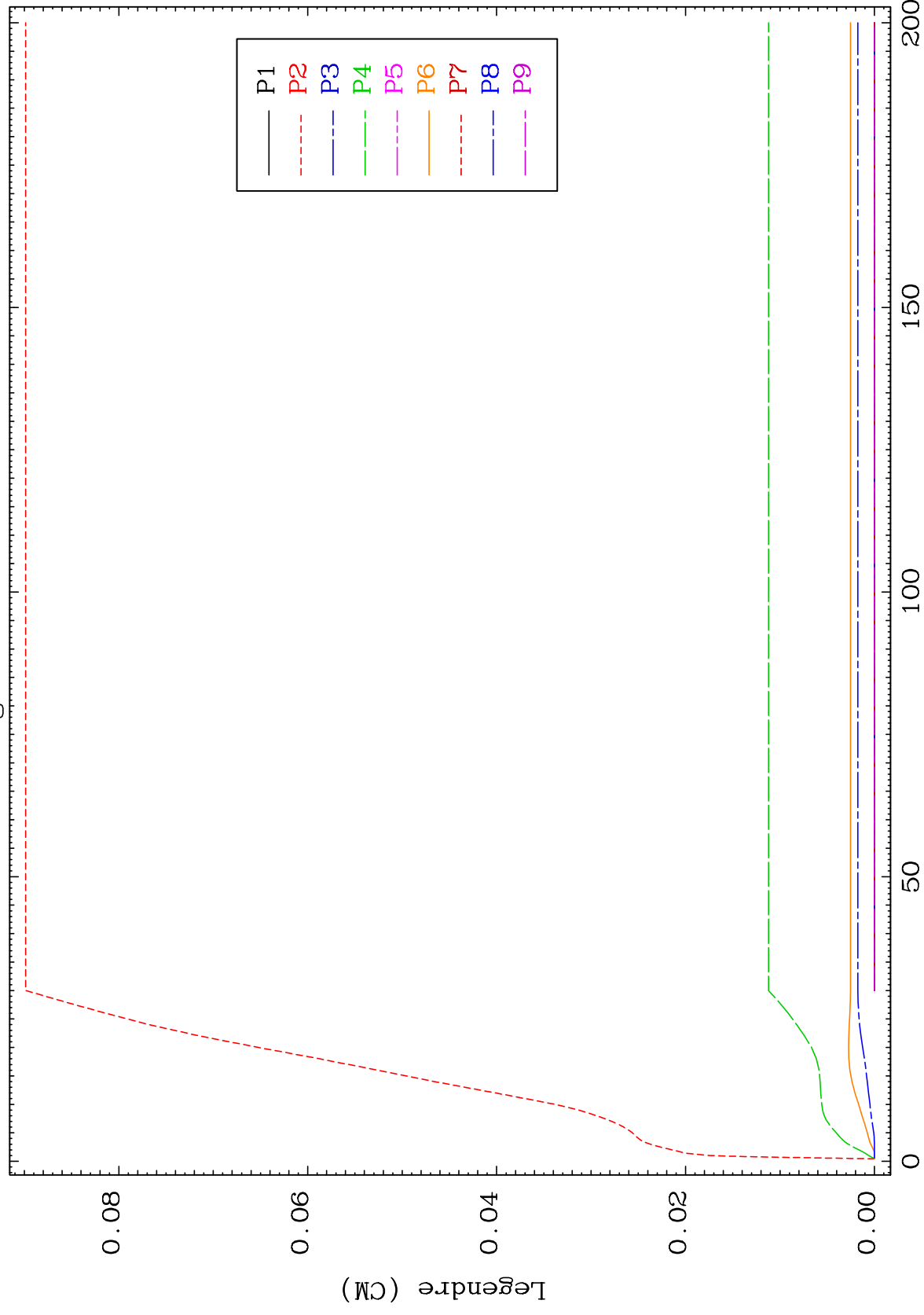




MAT 6840

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

68-Er-167



47

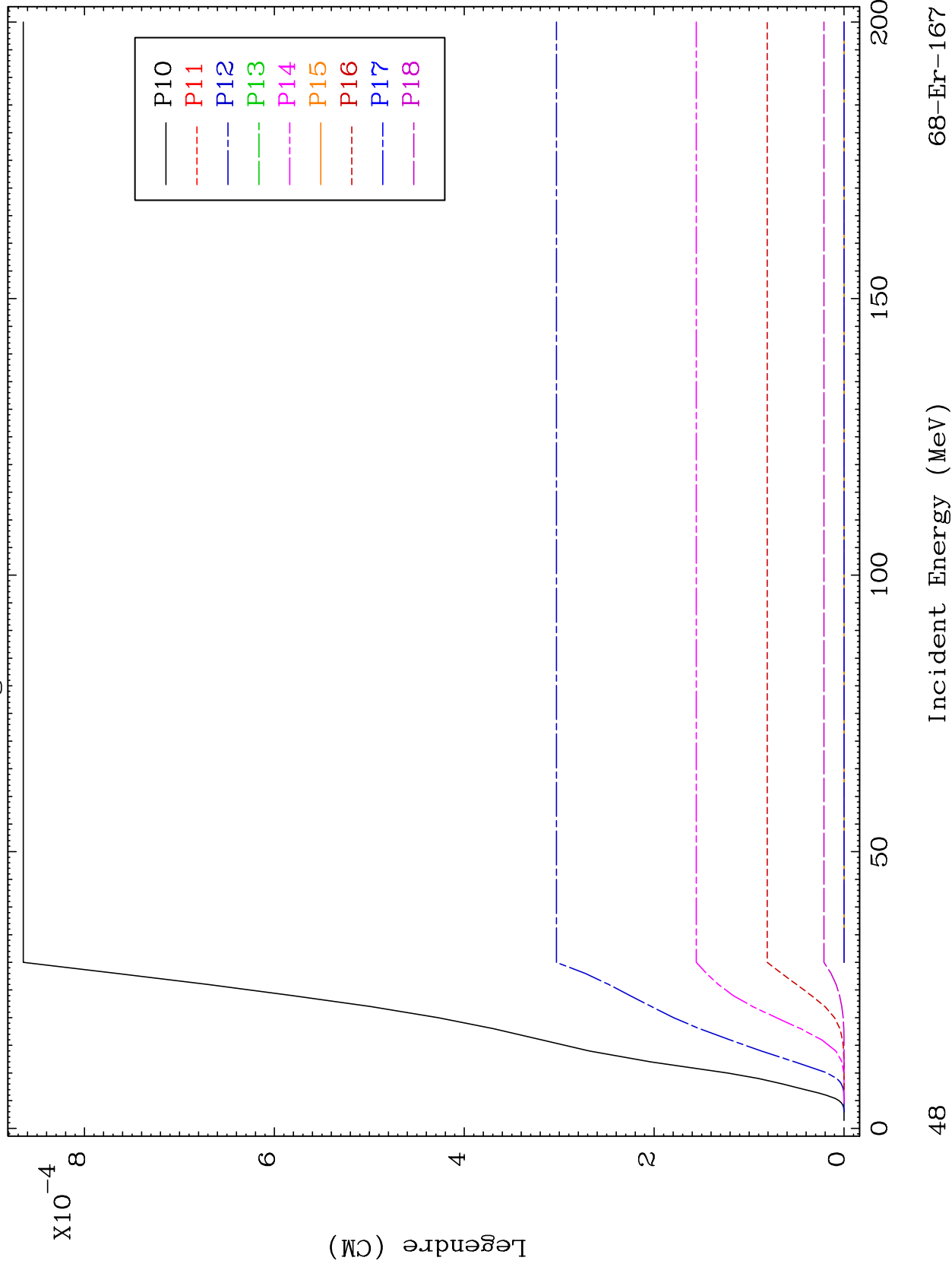
Incident Energy (MeV)

68-Er-167

MAT 6840

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

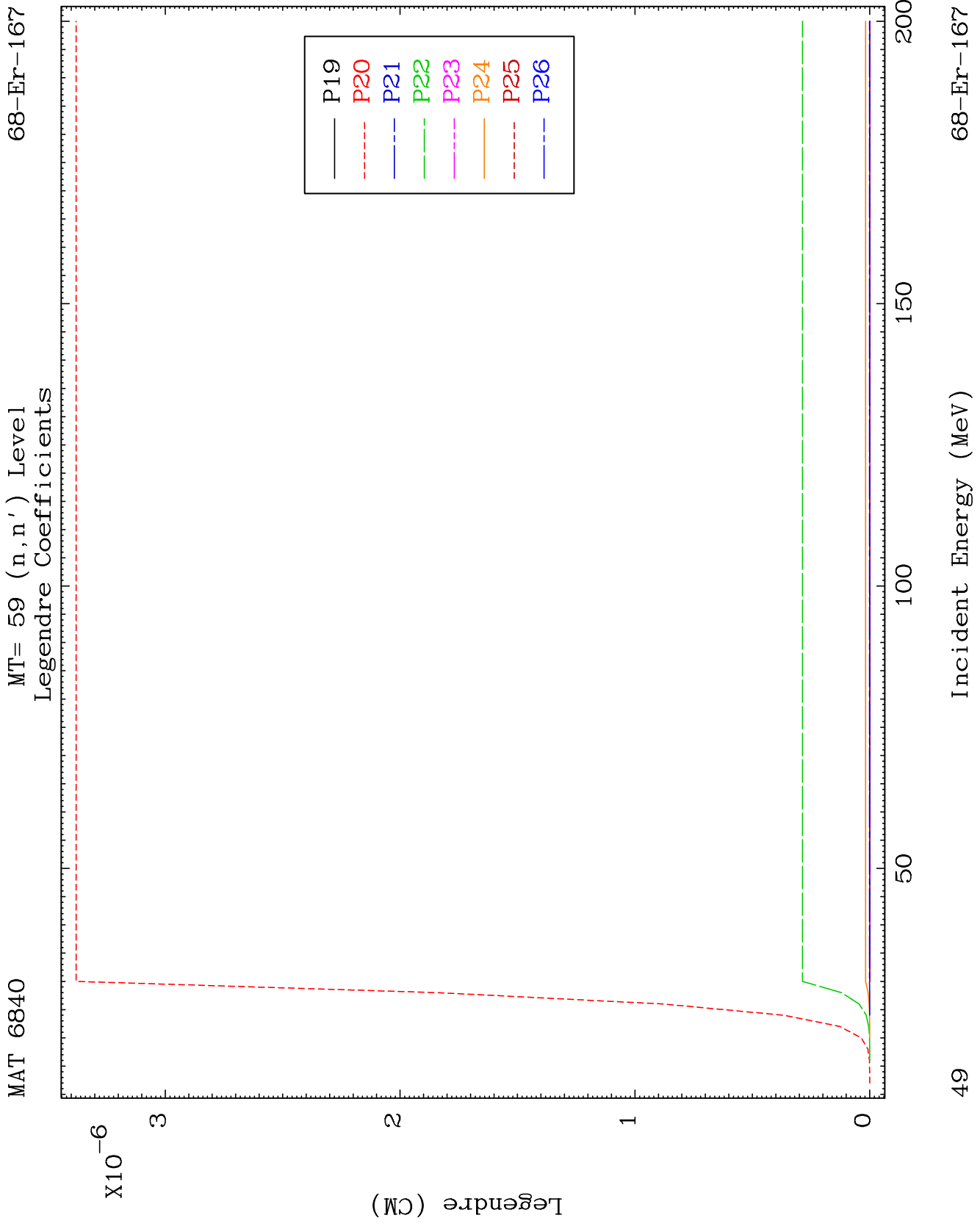
68-Er-167



48

Incident Energy (MeV)

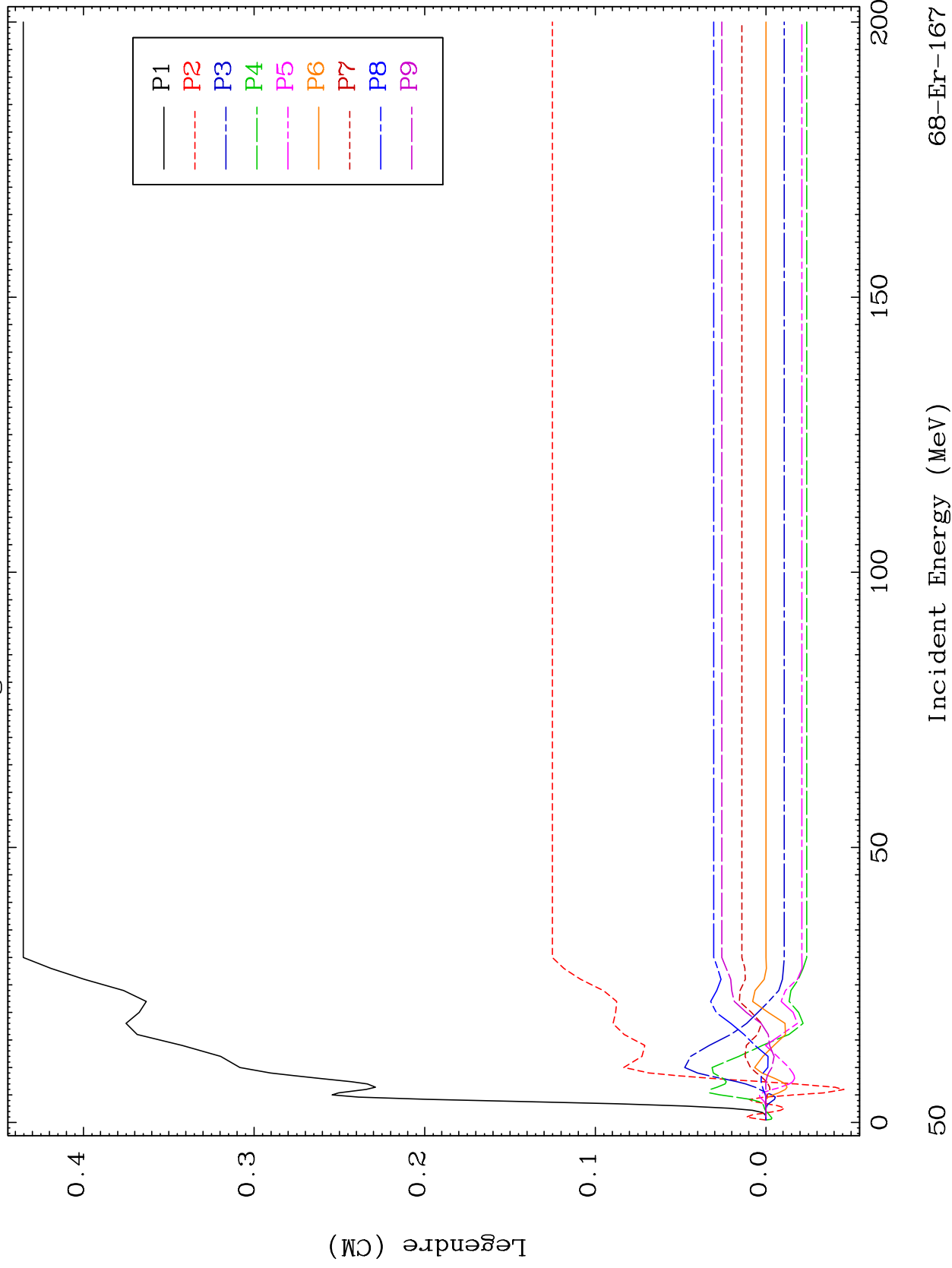
68-Er-167



MAT 6840

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

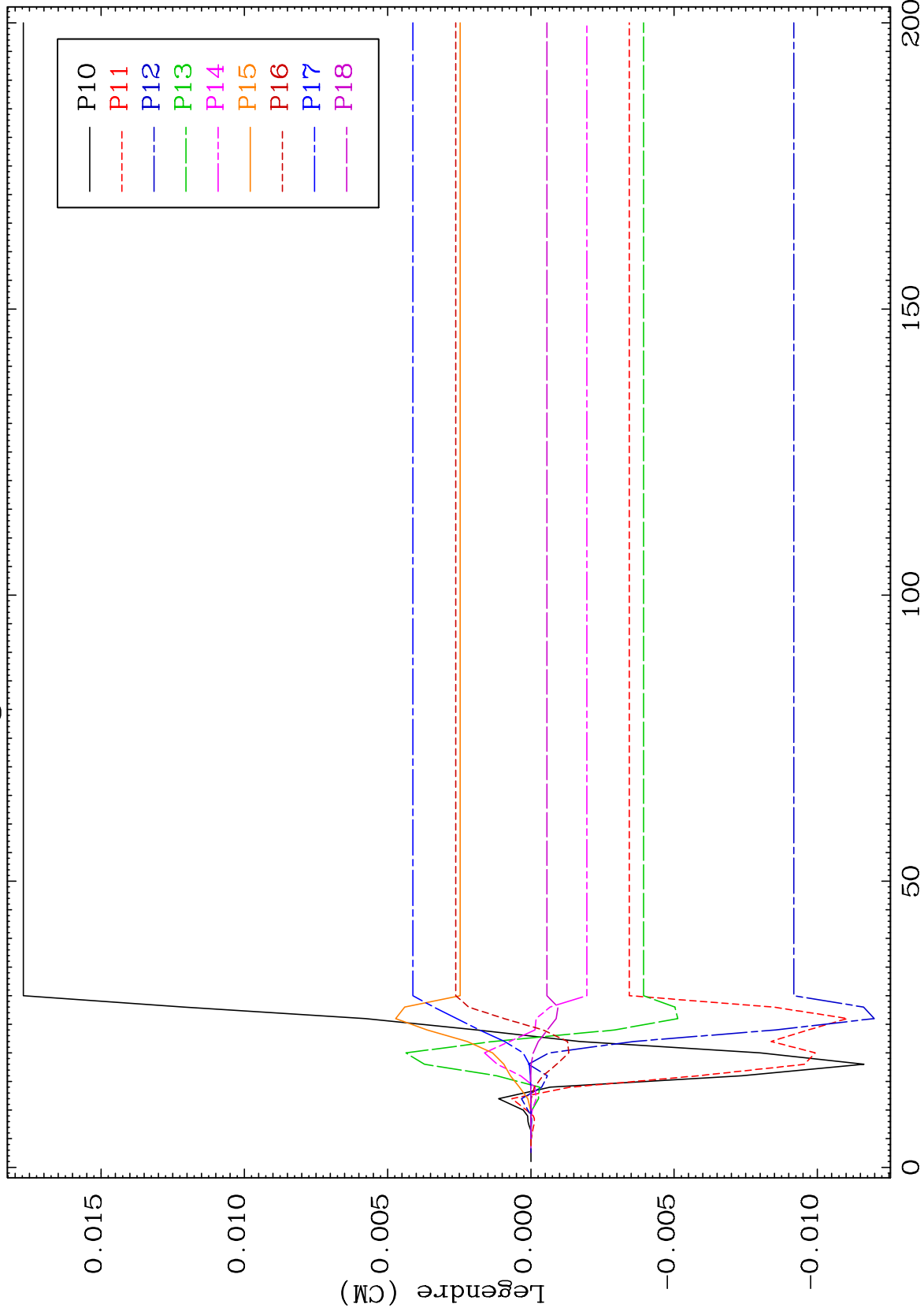
68-Er-167



MAT 6840

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

68-Er-167



51

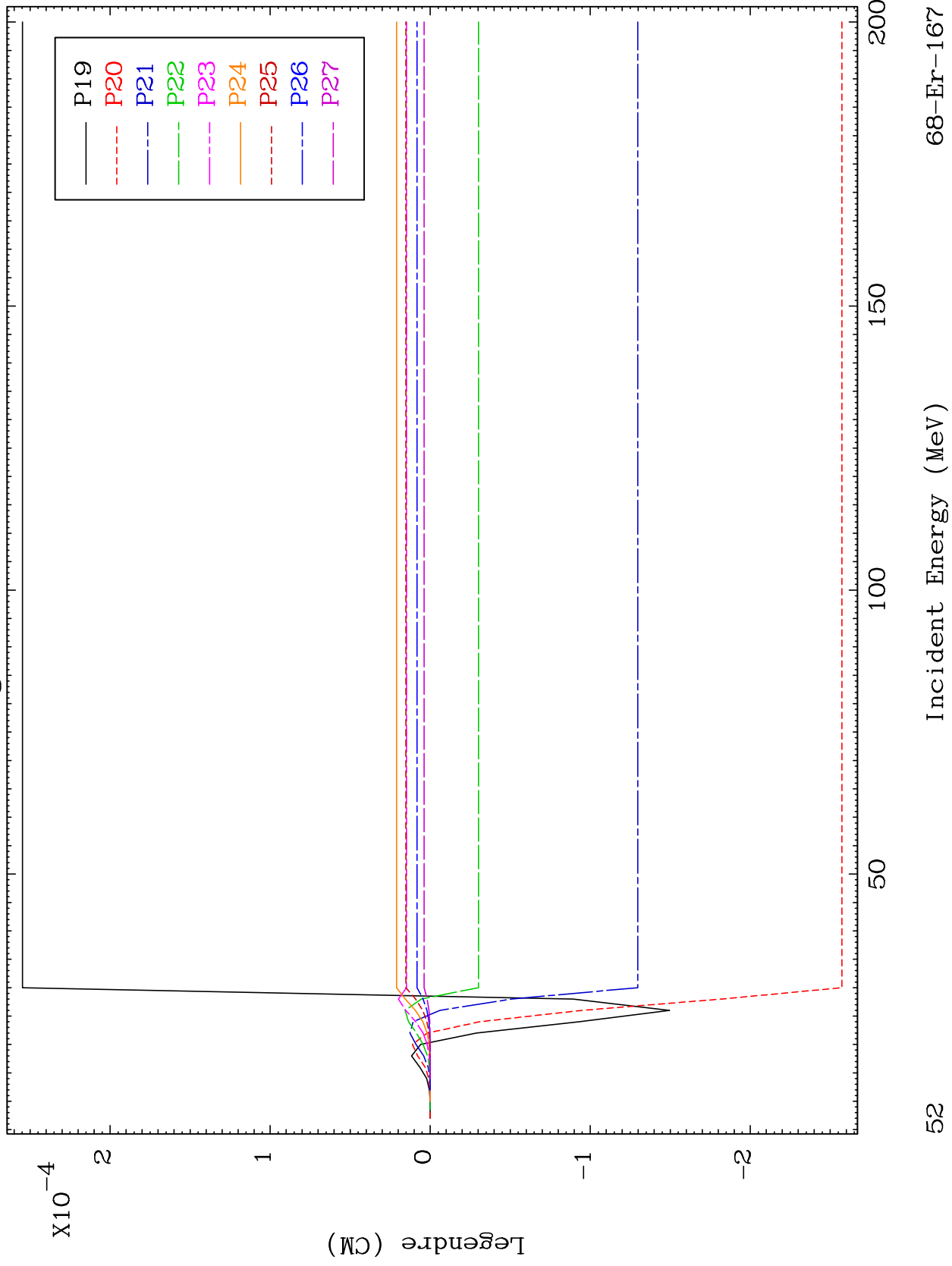
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



52

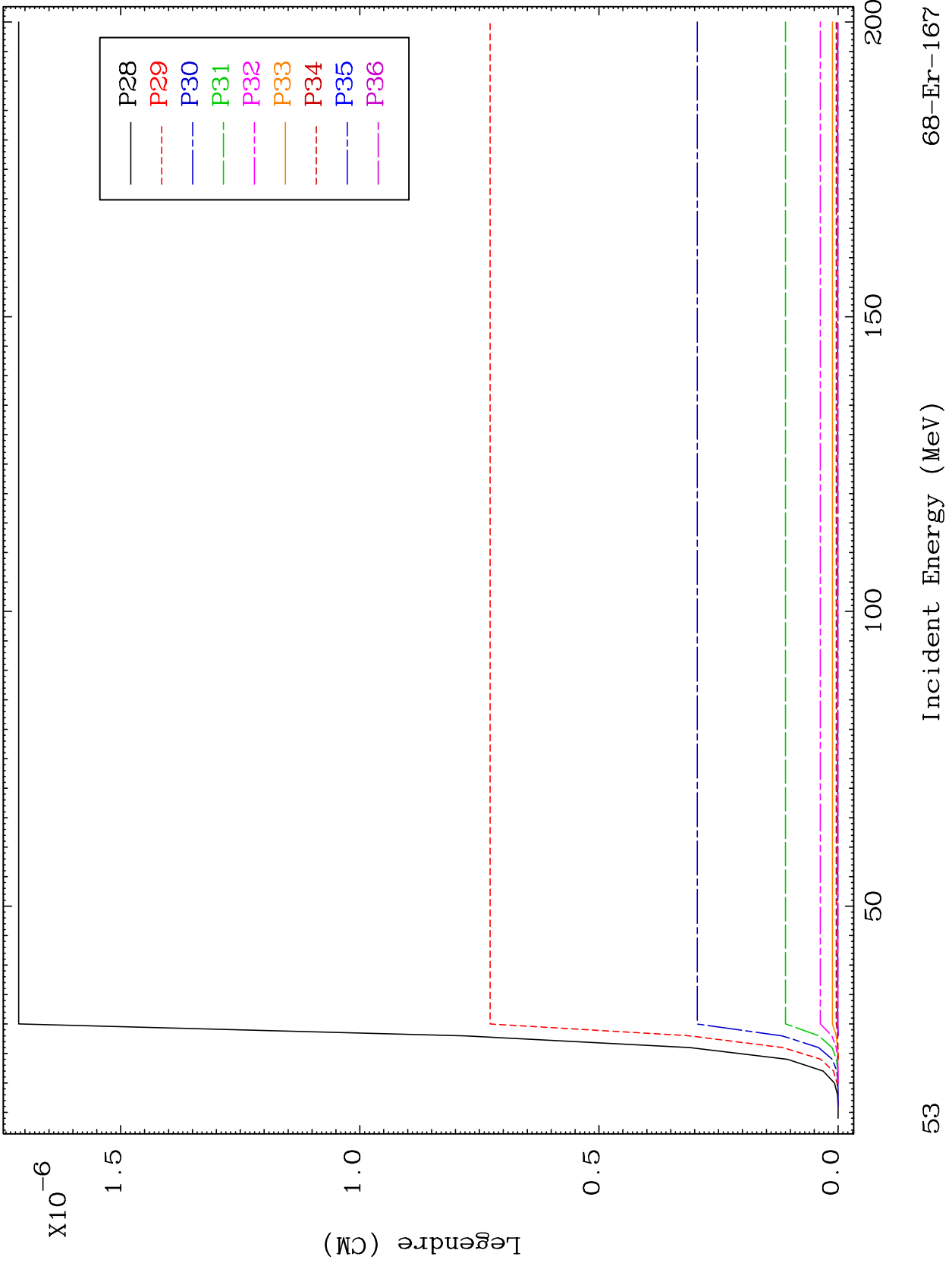
68-Er-167

68-Er-167

MAT 6840

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

68-Er-167



53

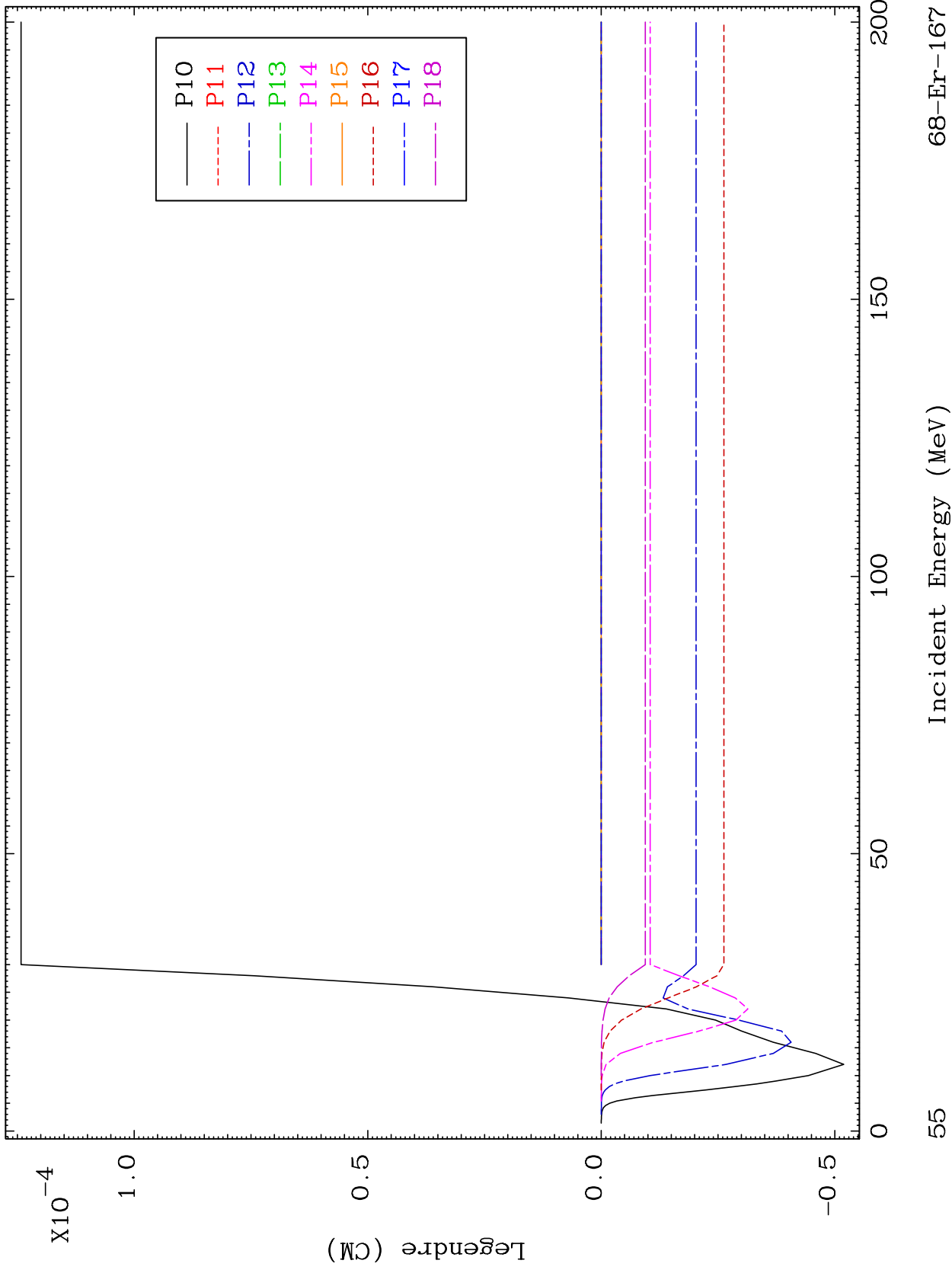
Incident Energy (MeV)

68-Er-167

MAT 6840

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

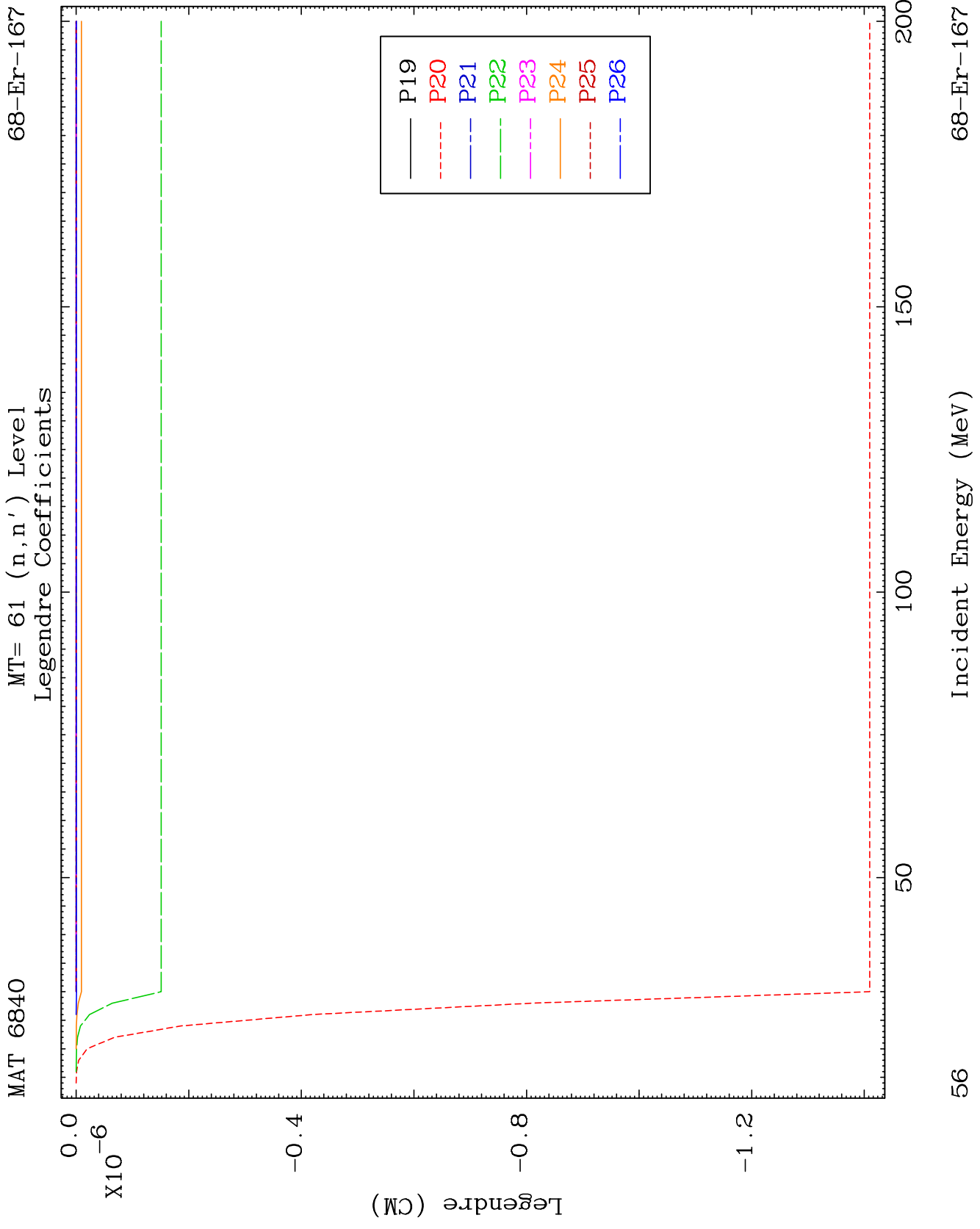
68-Er-167



68-Er-167

Incident Energy (MeV)

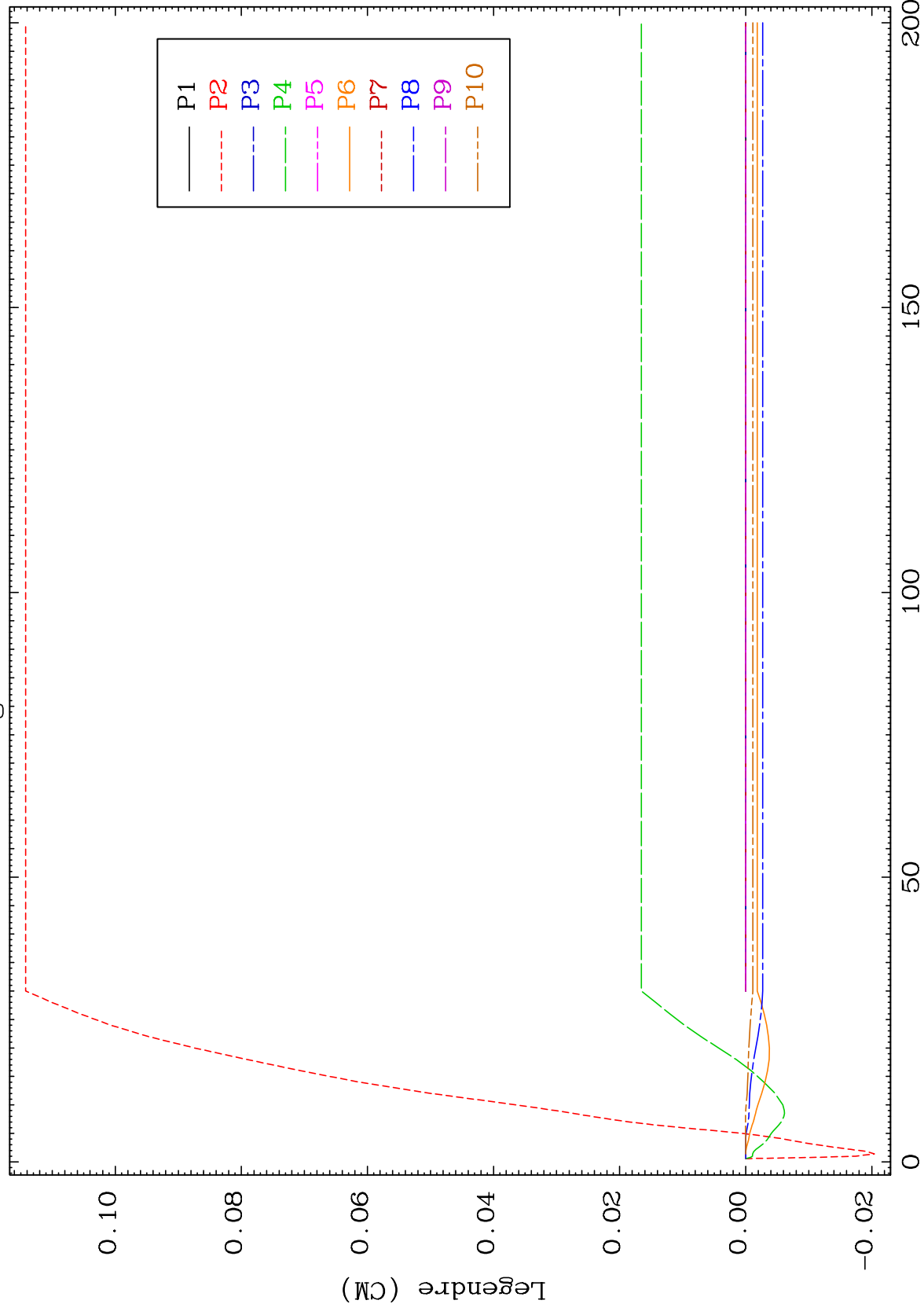
55



MAT 6840

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

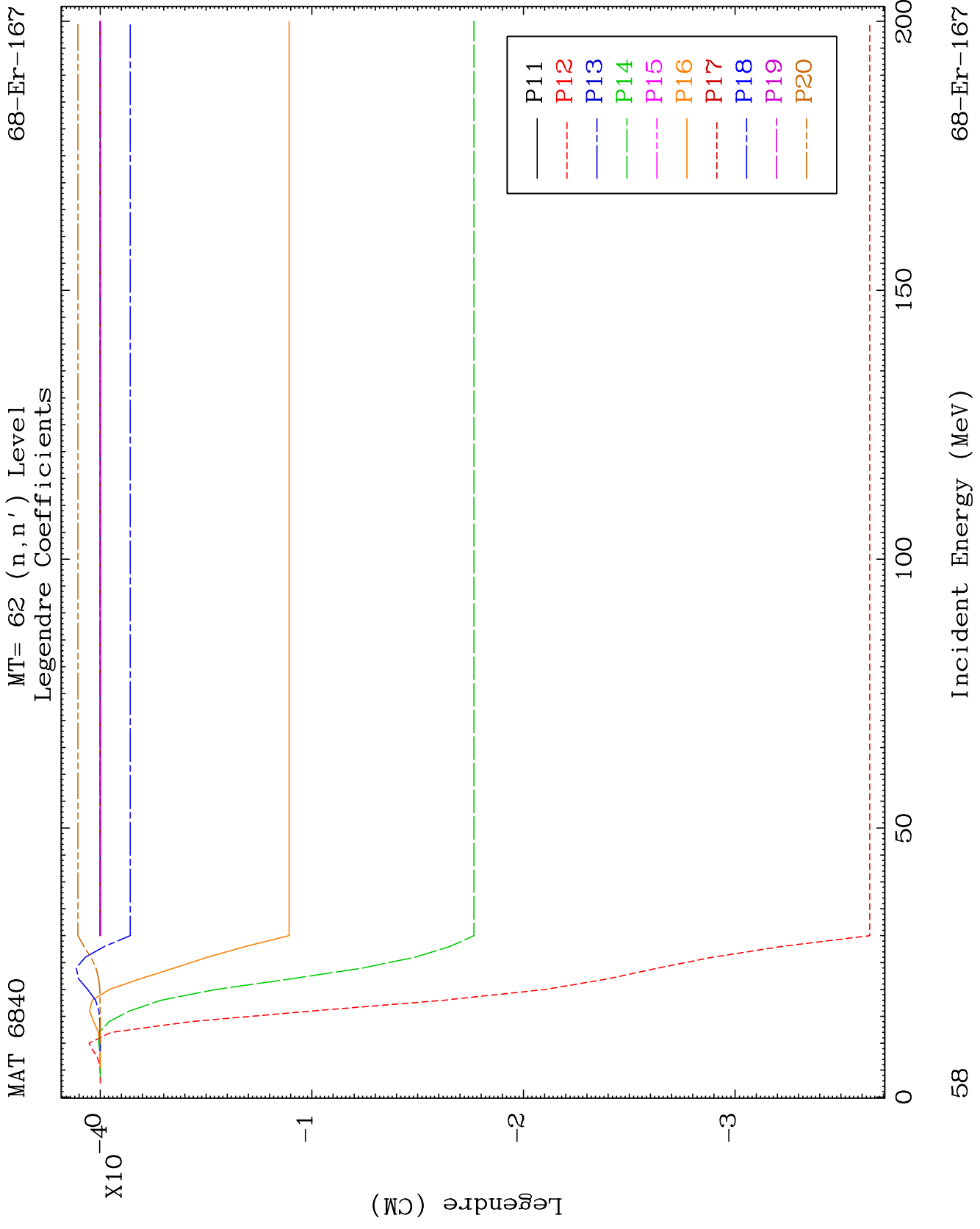
68-Er-167



57

Incident Energy (MeV)

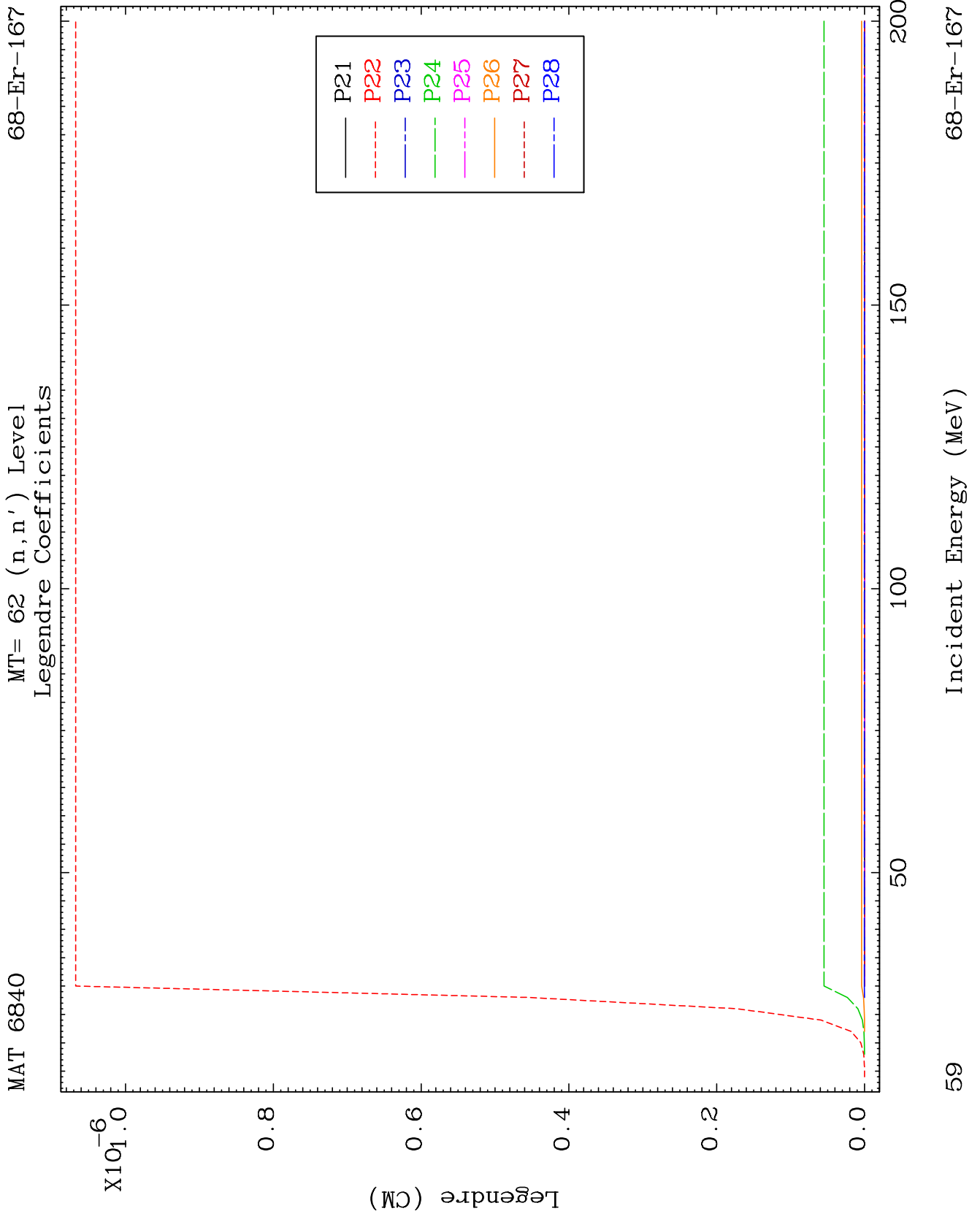
68-Er-167



68-Er-167

Incident Energy (MeV)

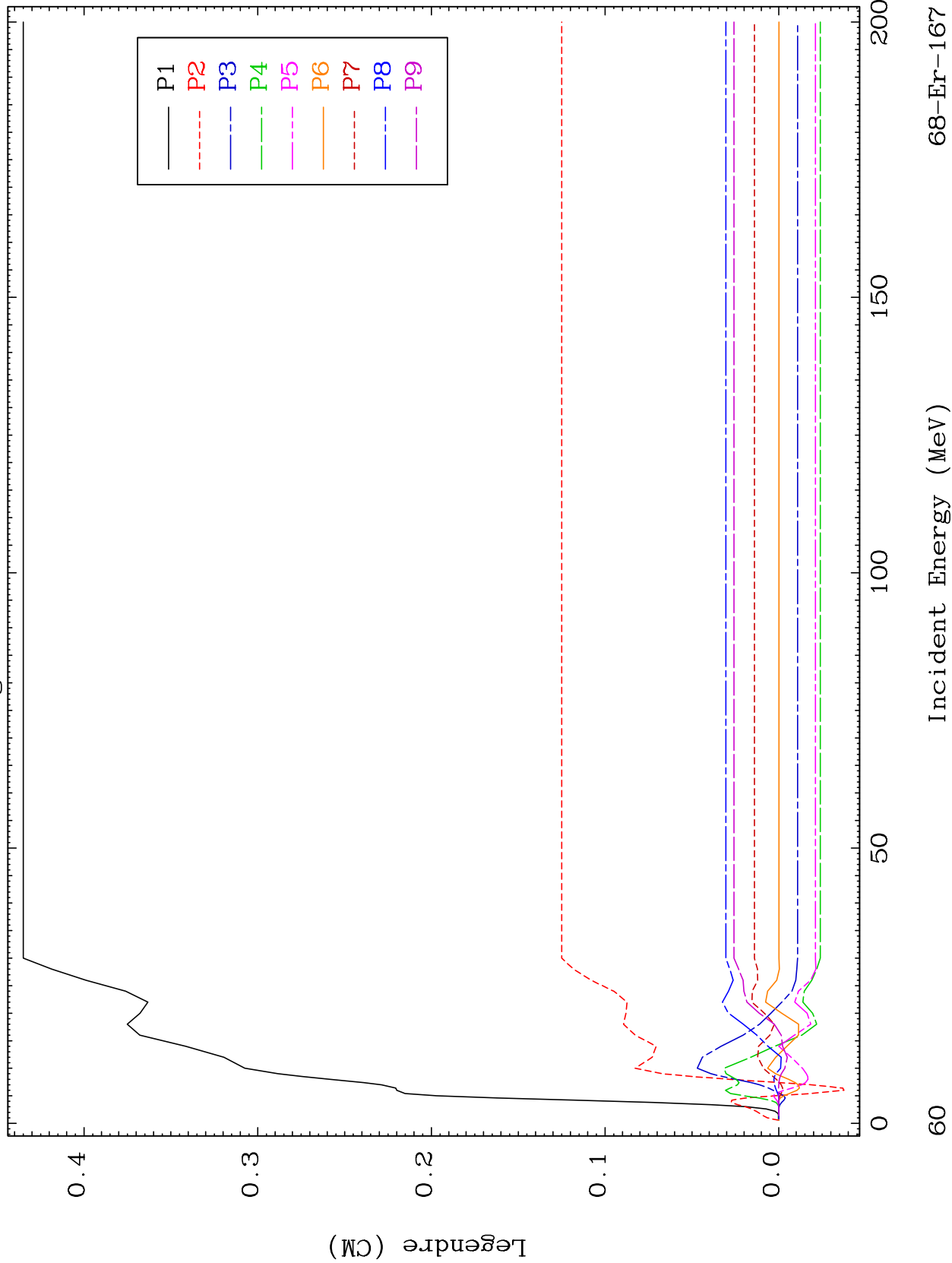
58



MAT 6840

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

68-Er-167



68-Er-167

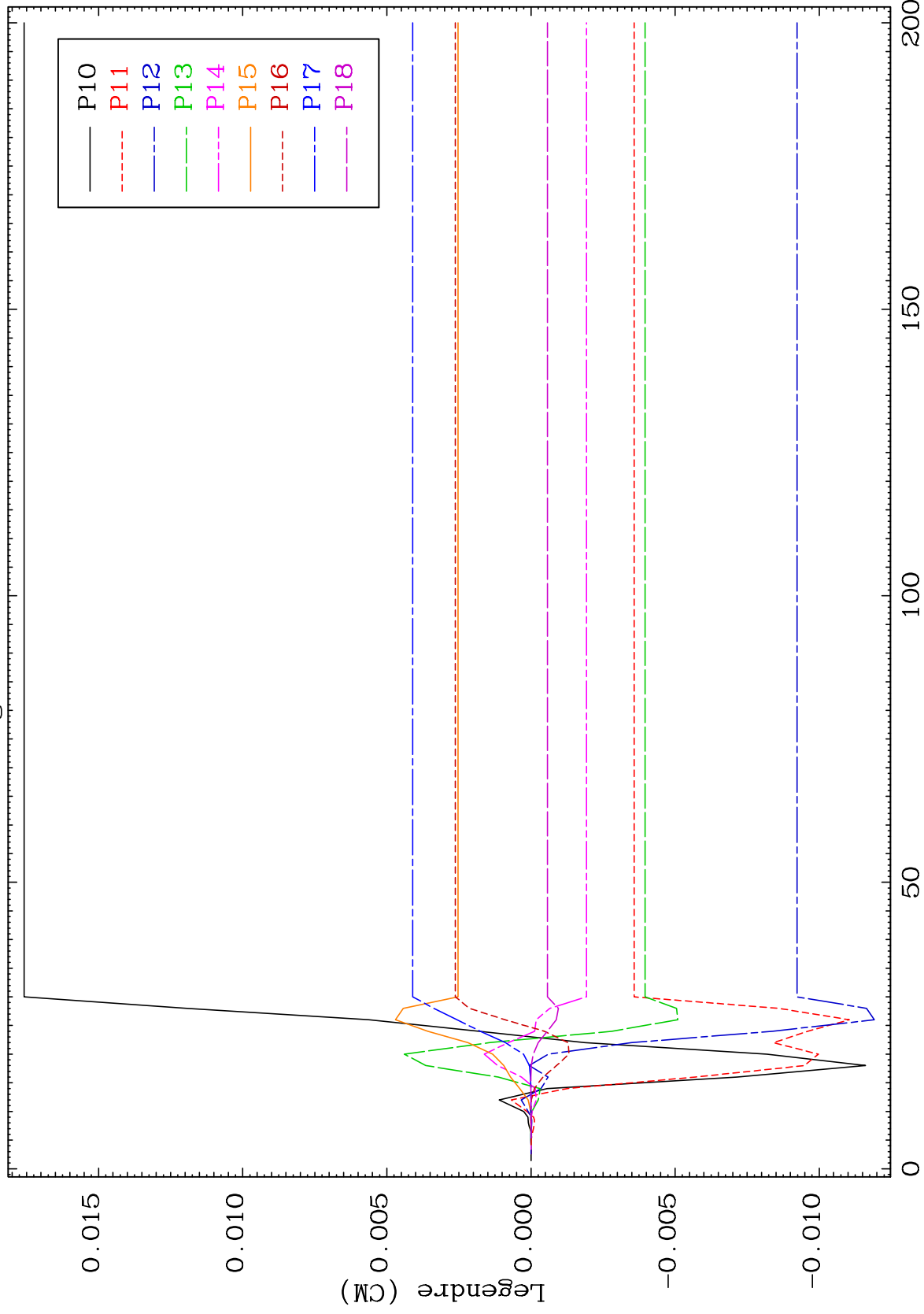
Incident Energy (MeV)

60

MAT 6840

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

68-Er-167



61

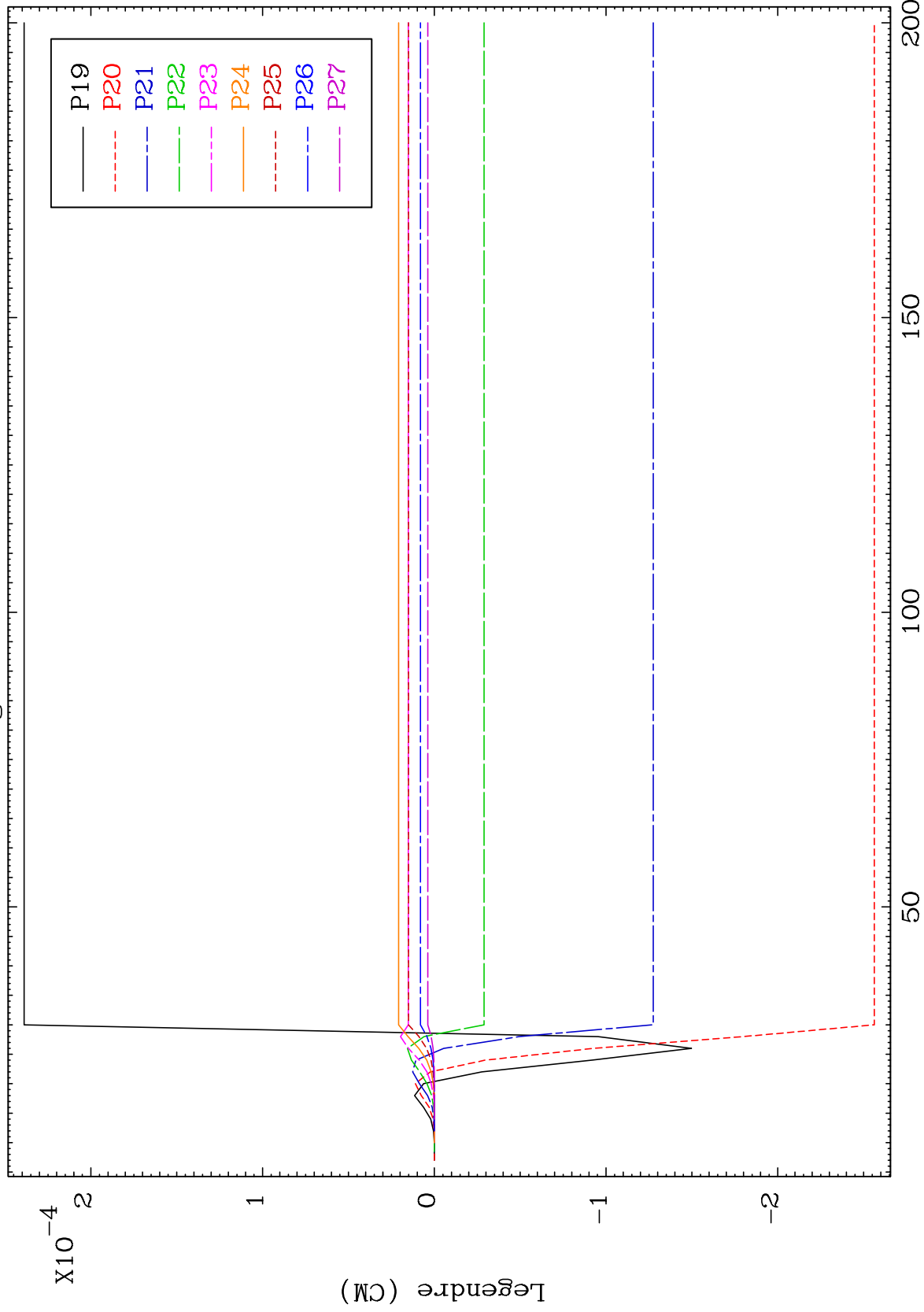
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



62

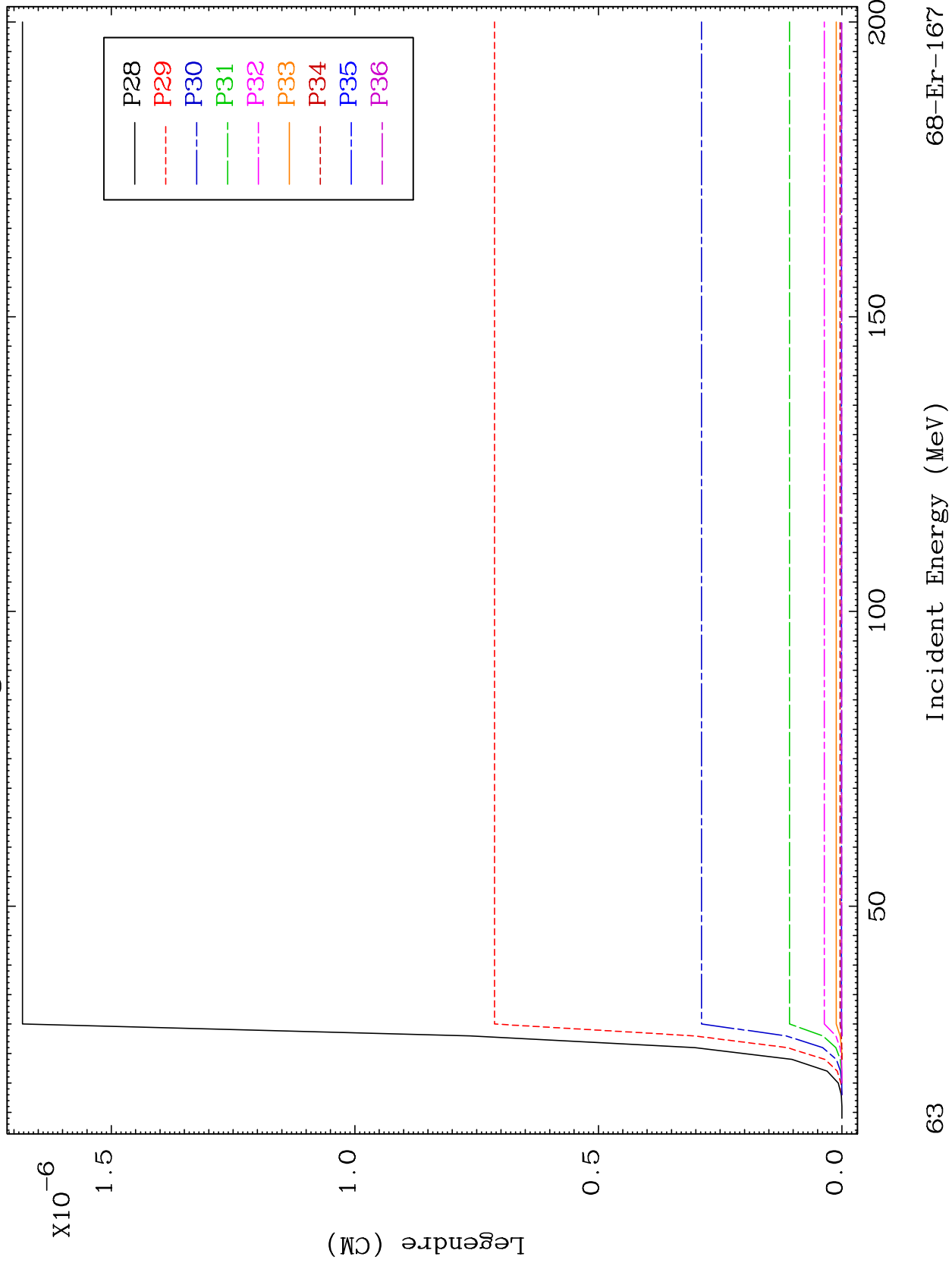
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



63

Incident Energy (MeV)

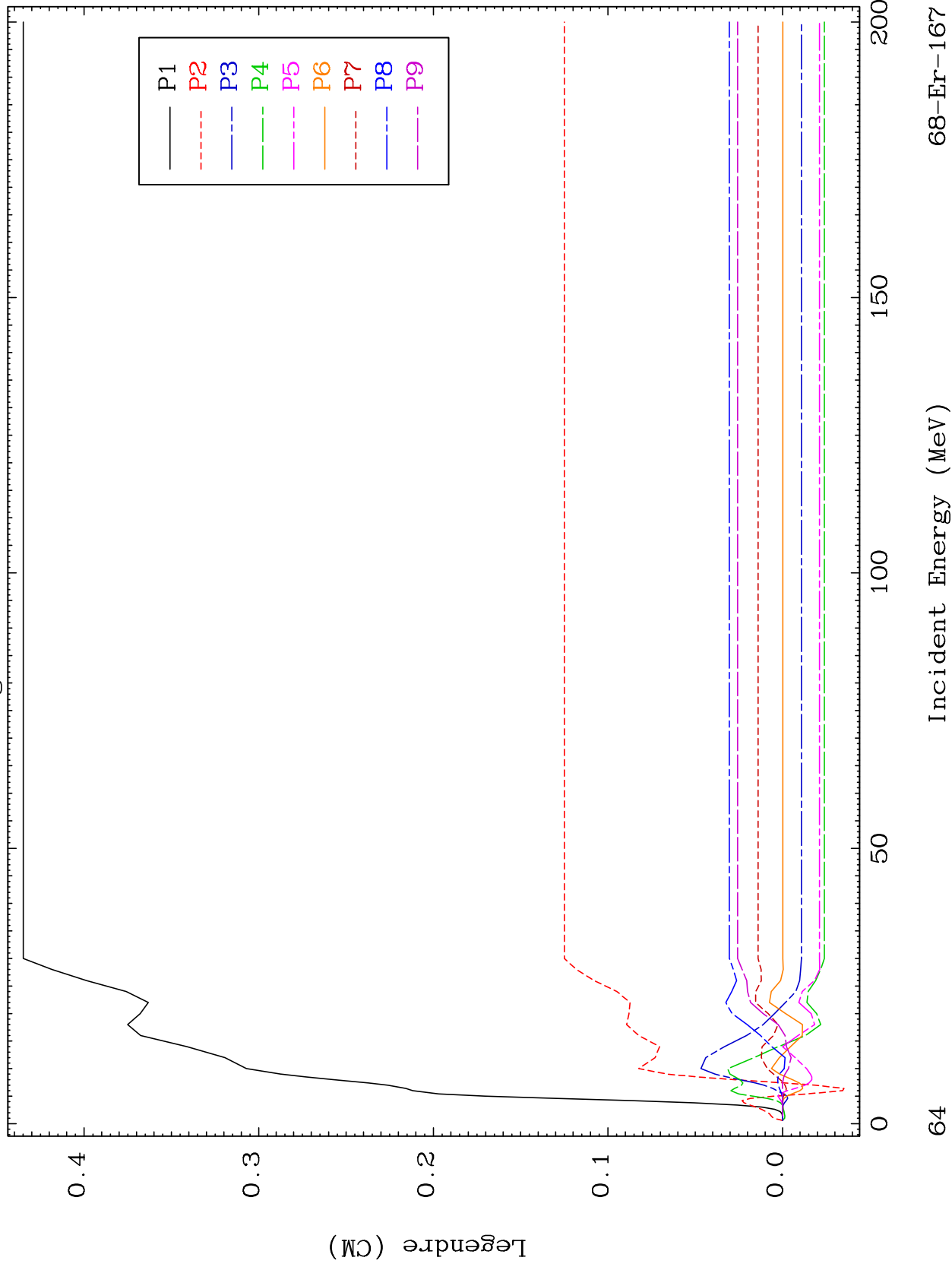
68-Er-167

MAT 6840

MT= 64 (n,n') Level

68-Er-167

Legendre Coefficients



64

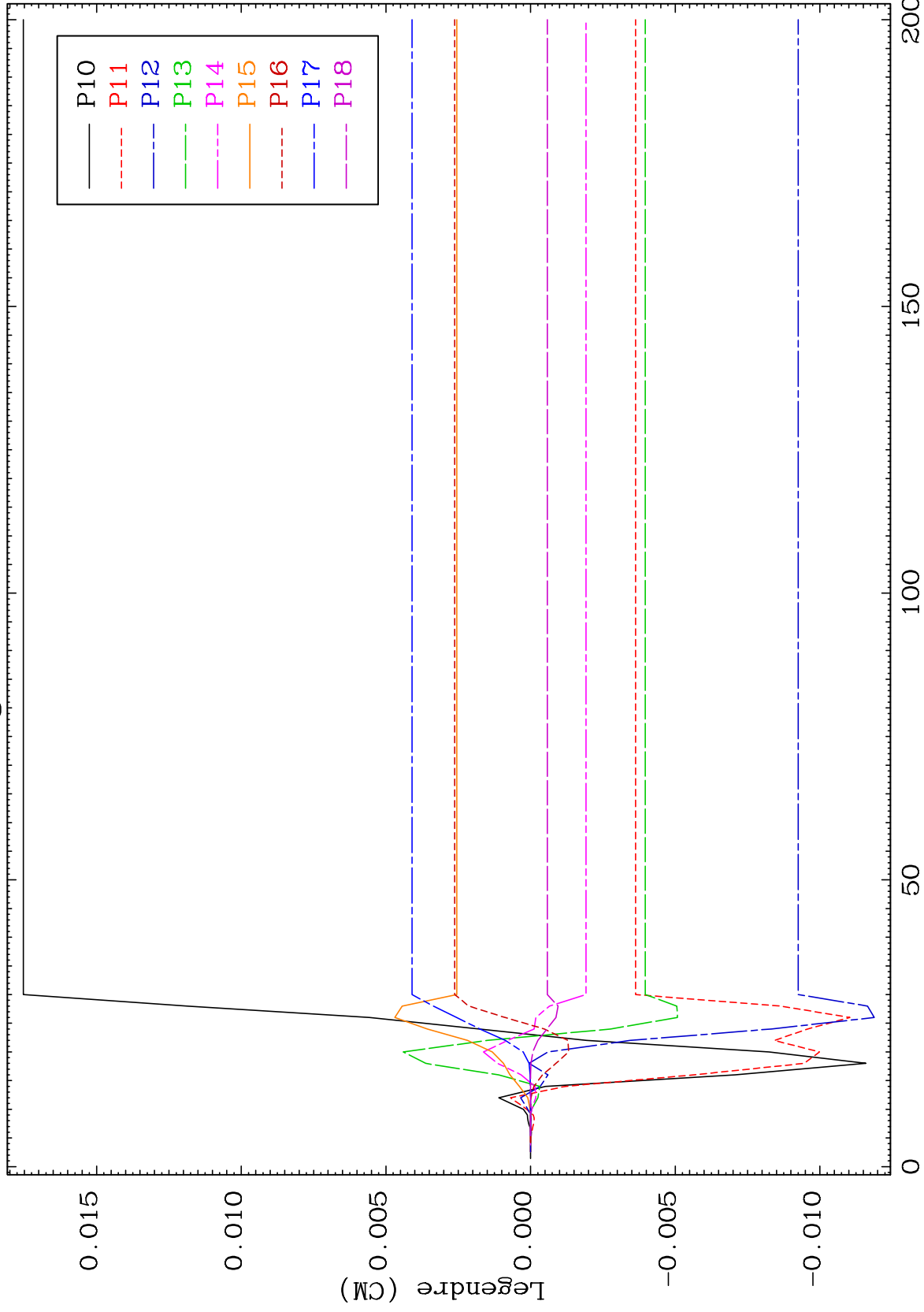
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



65

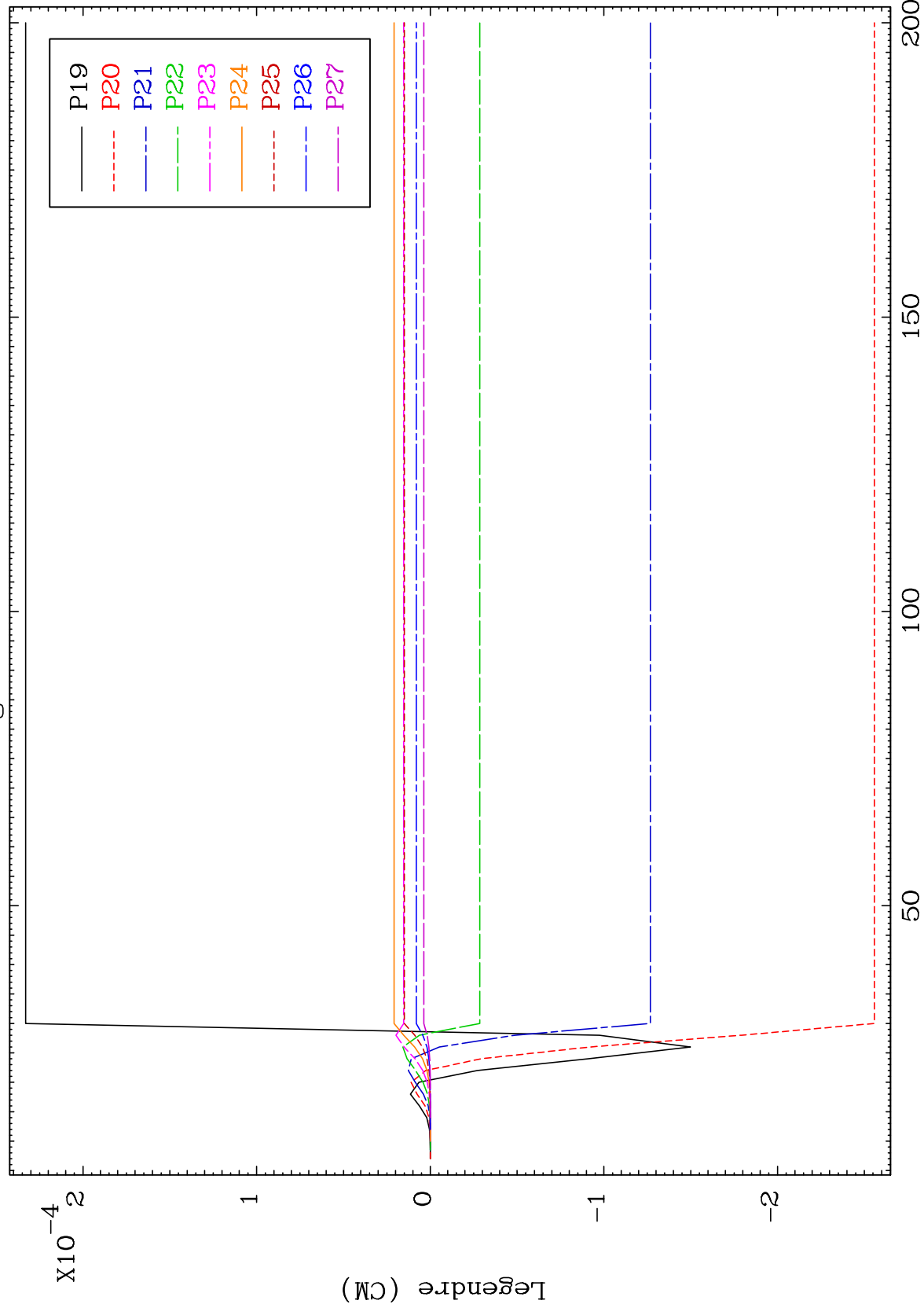
Incident Energy (MeV)

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= 64 (n,n') Level
Legendre Coefficients

68-Er-167

$\times 10^{-6}$

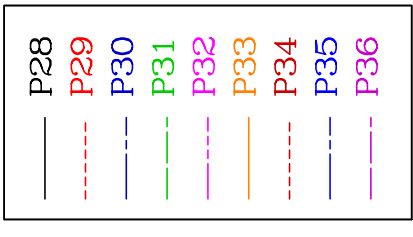
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Legendre (CM)

1.0

0.5

0.0



50

100

150

200

67

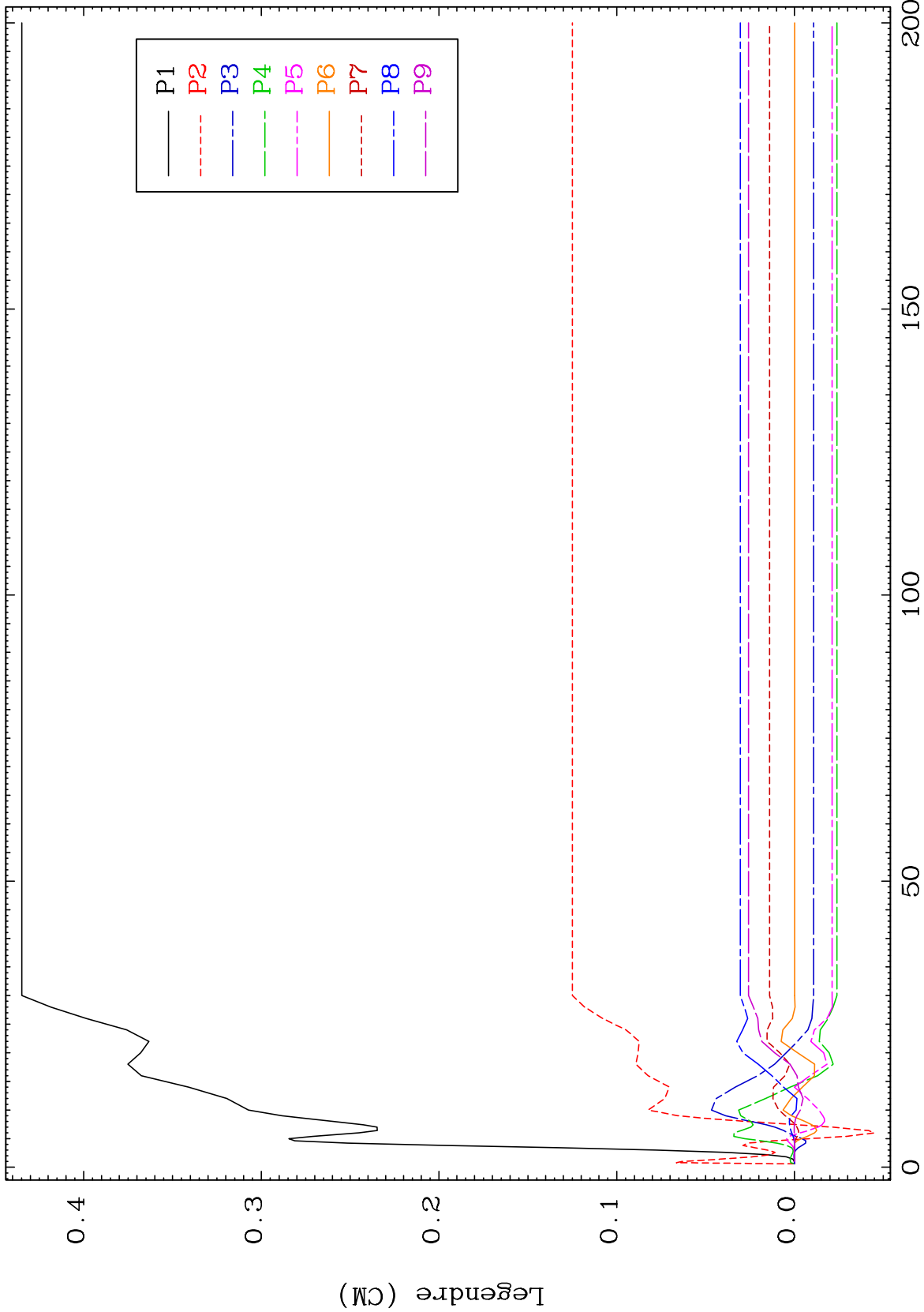
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



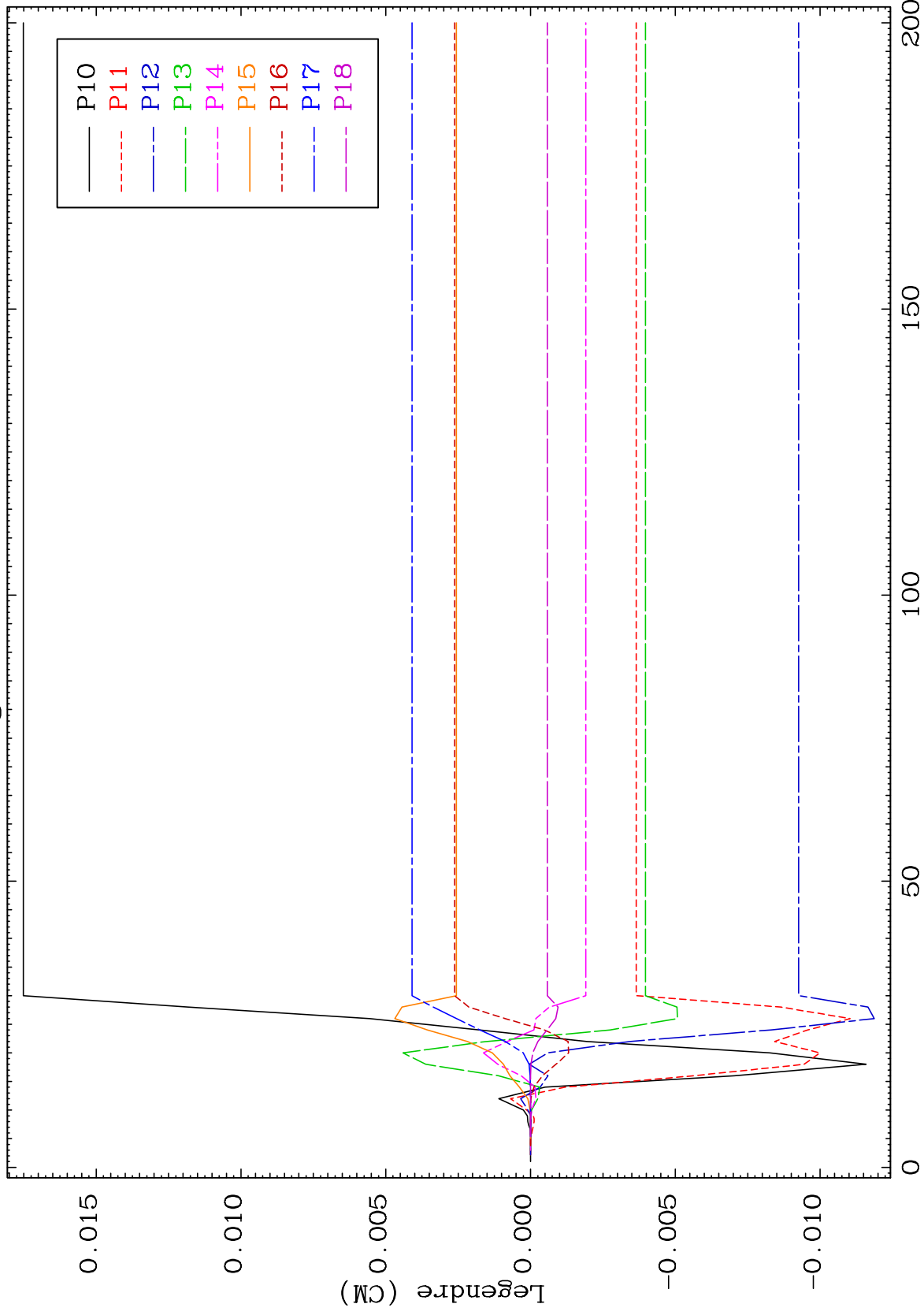
68

68-Er-167

MAT 6840

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

68-Er-167



69

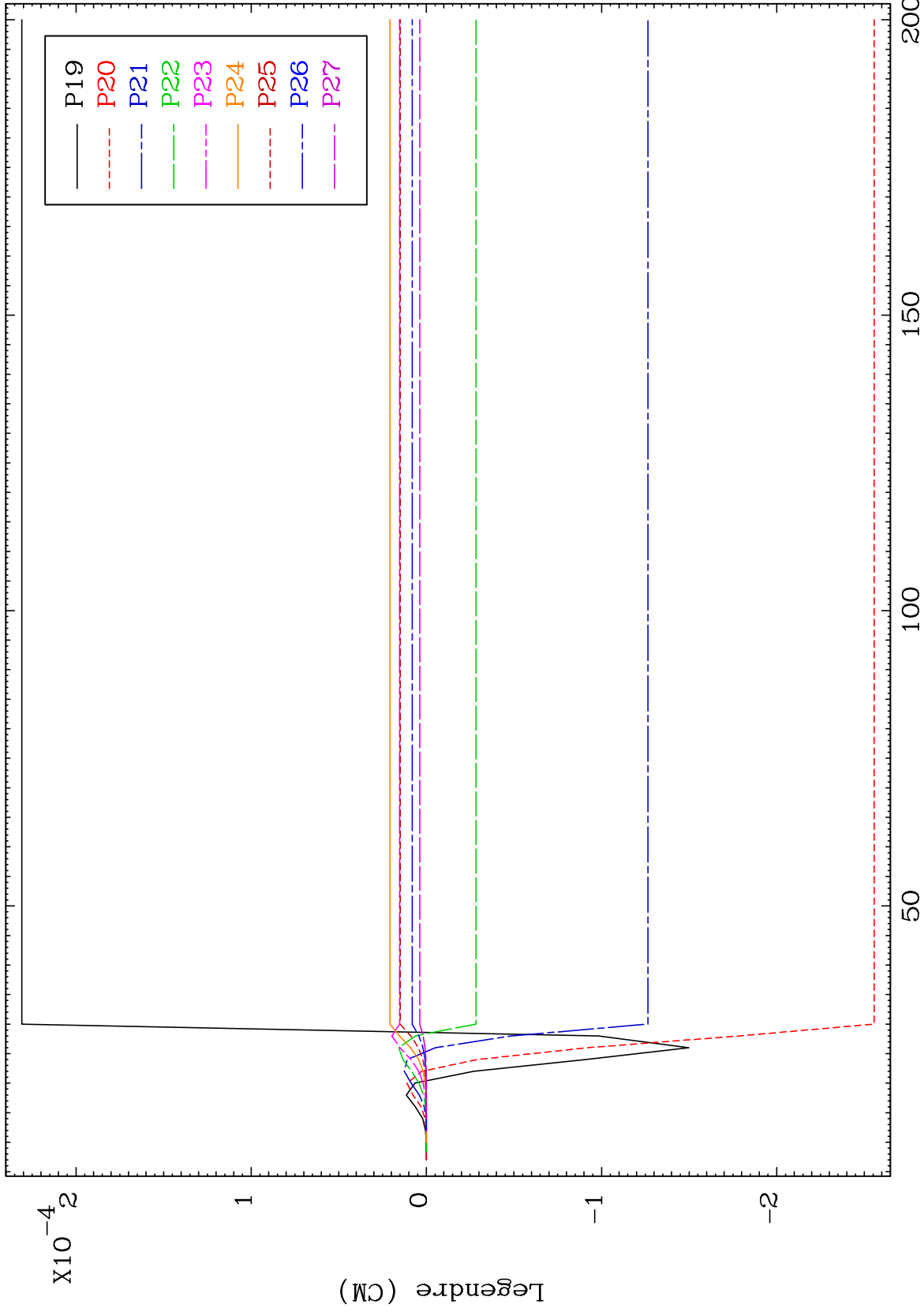
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



70

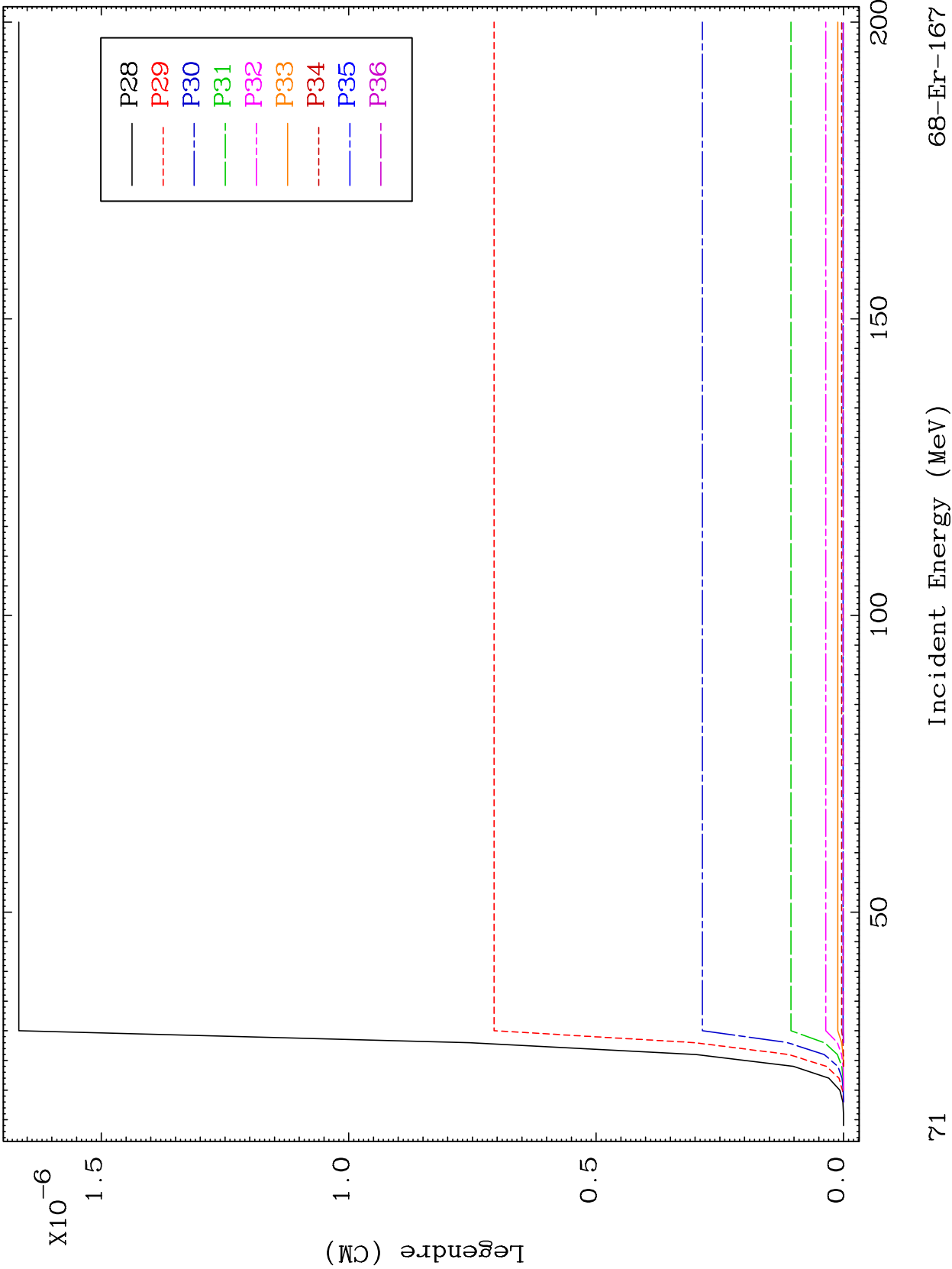
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



71

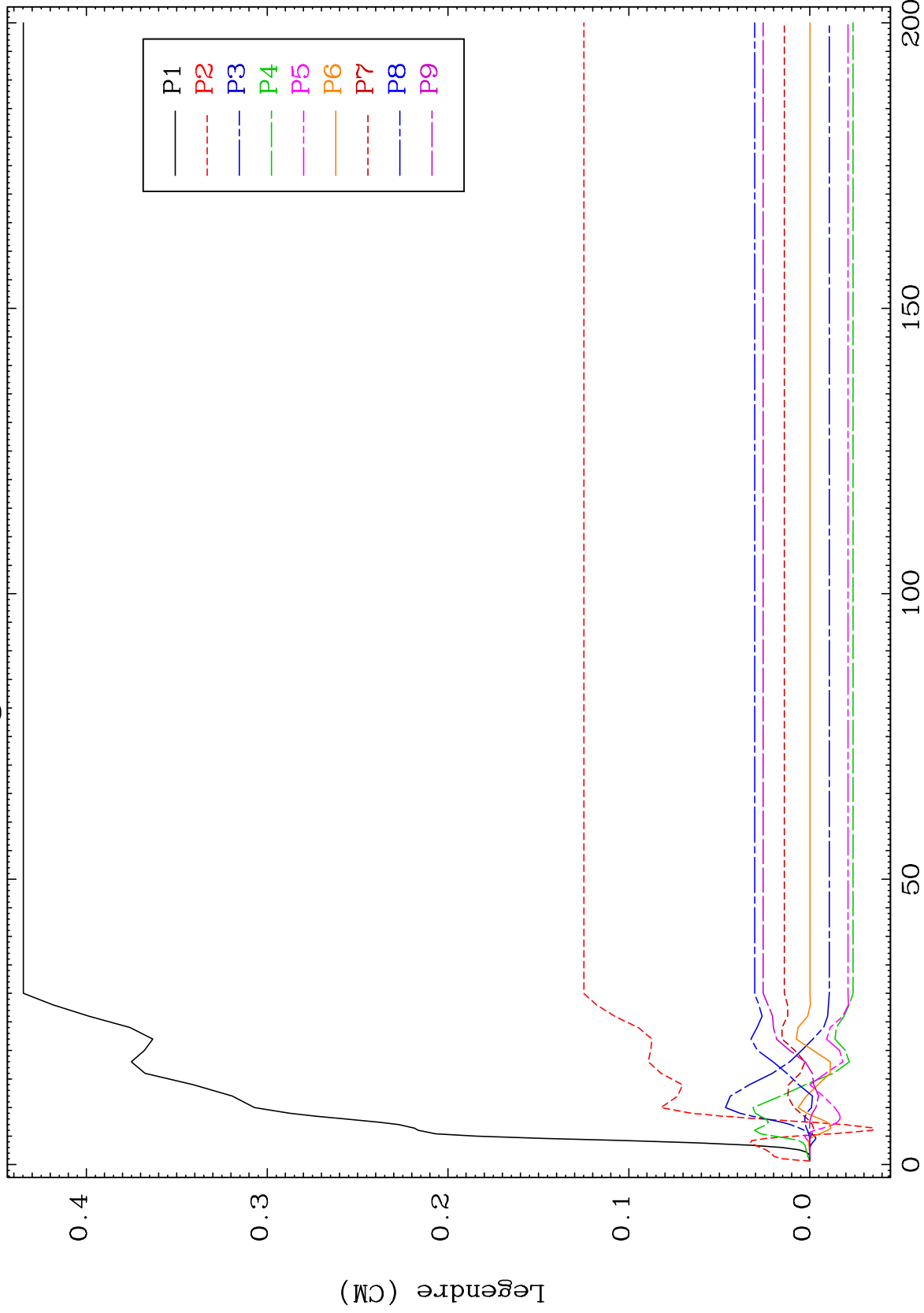
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



68-Er-167

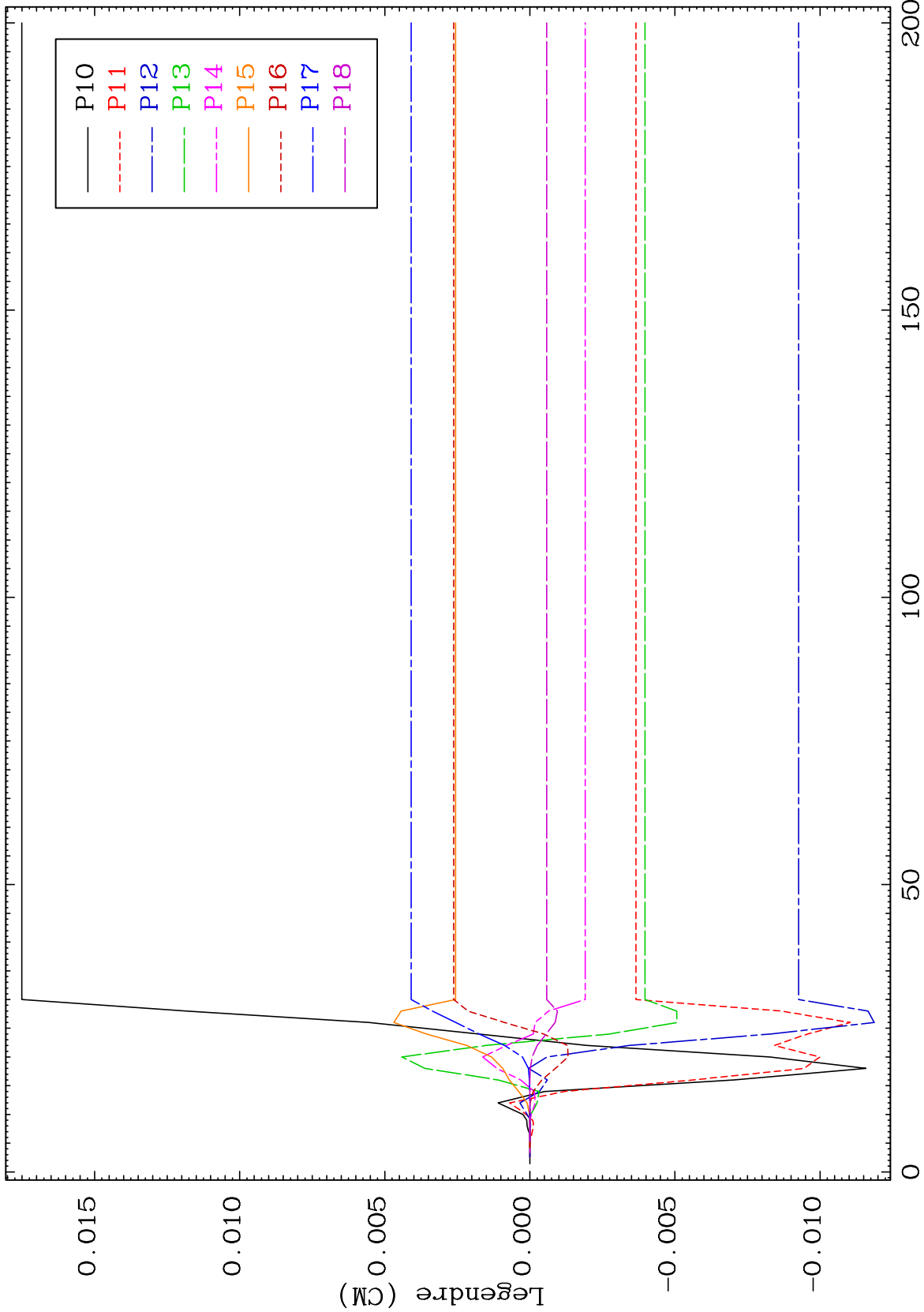
Incident Energy (MeV)

72

MAT 6840

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

68-Er-167



73

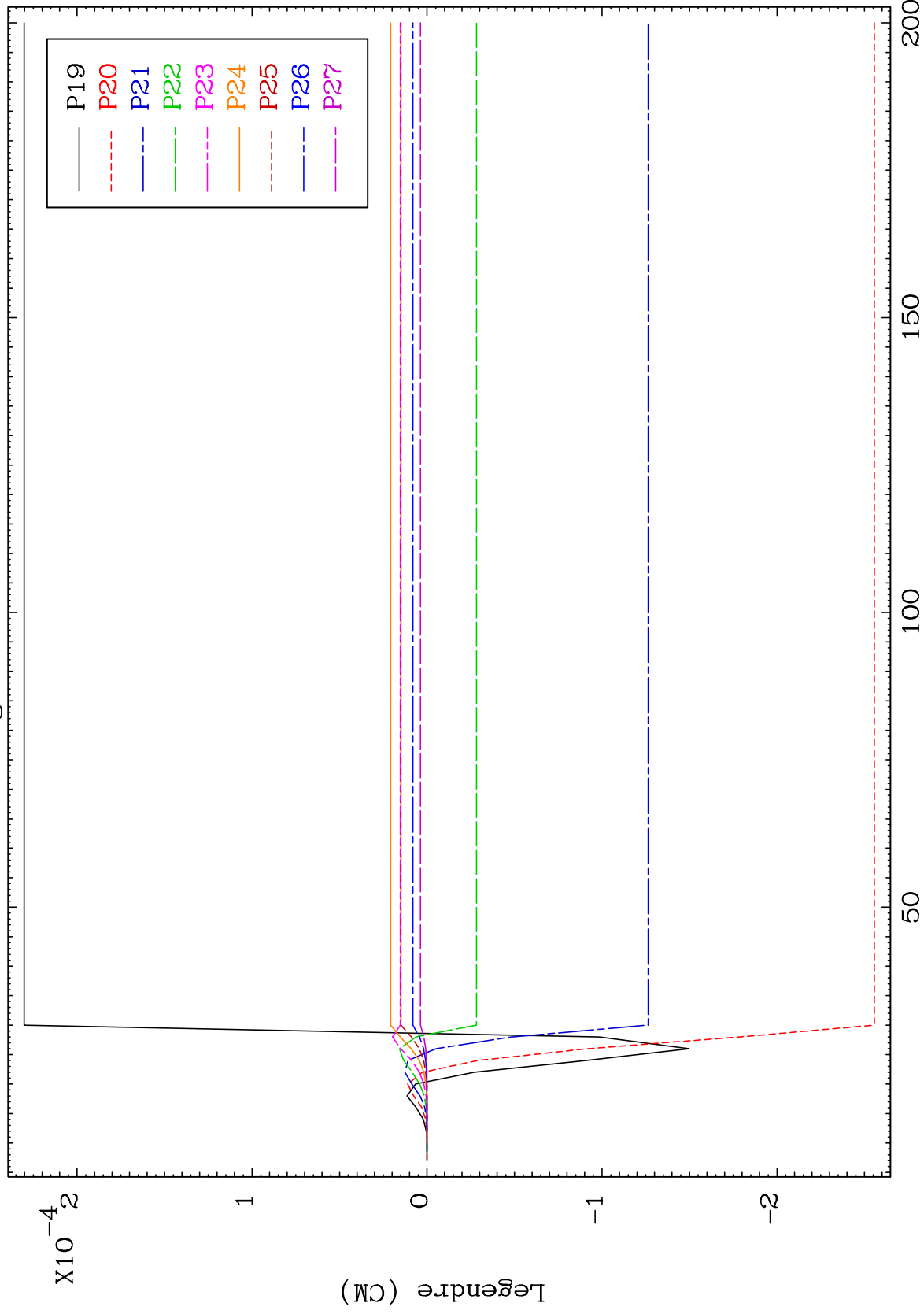
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



74

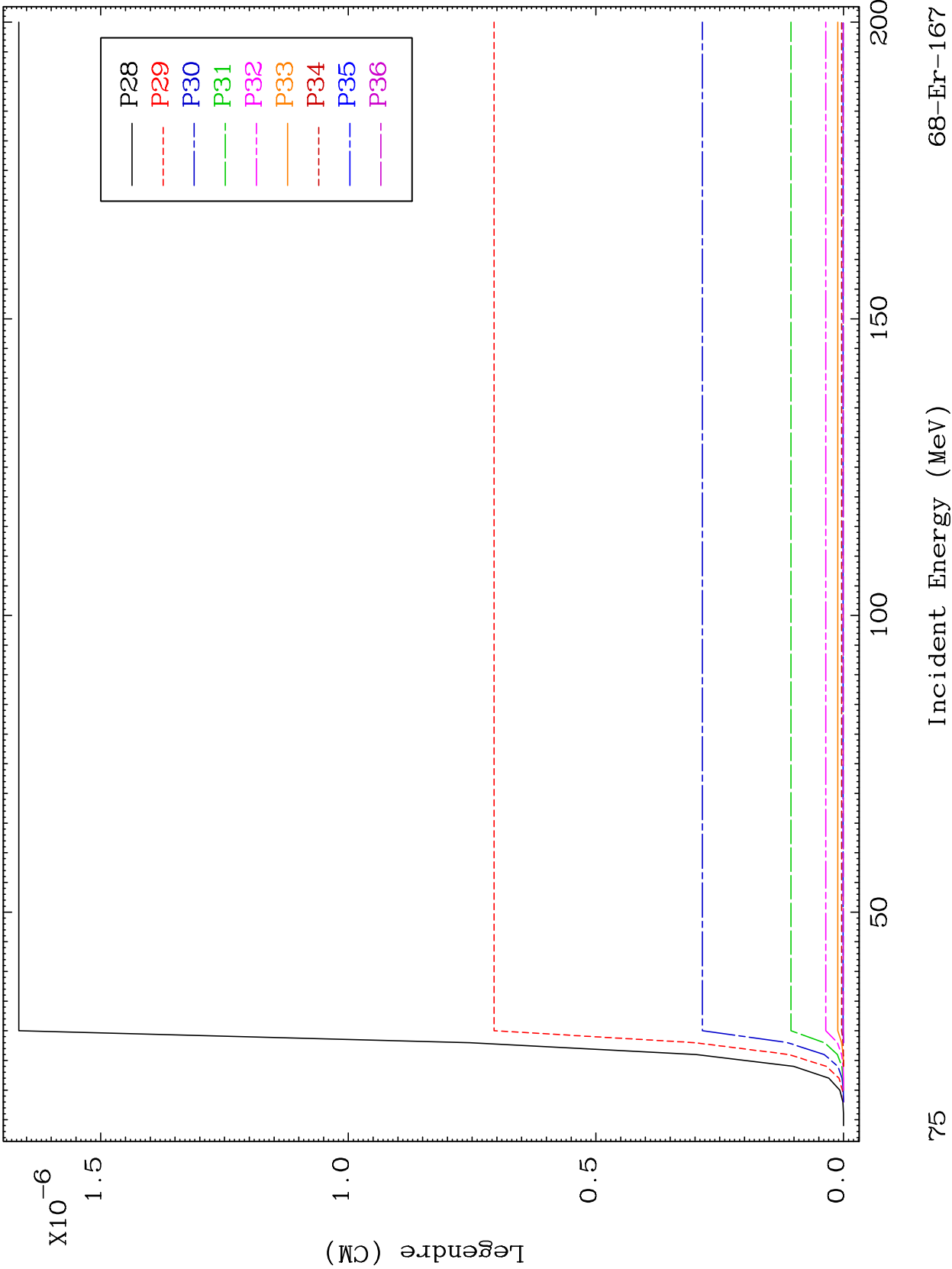
Incident Energy (MeV)

68-Er-167

MAT 6840

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

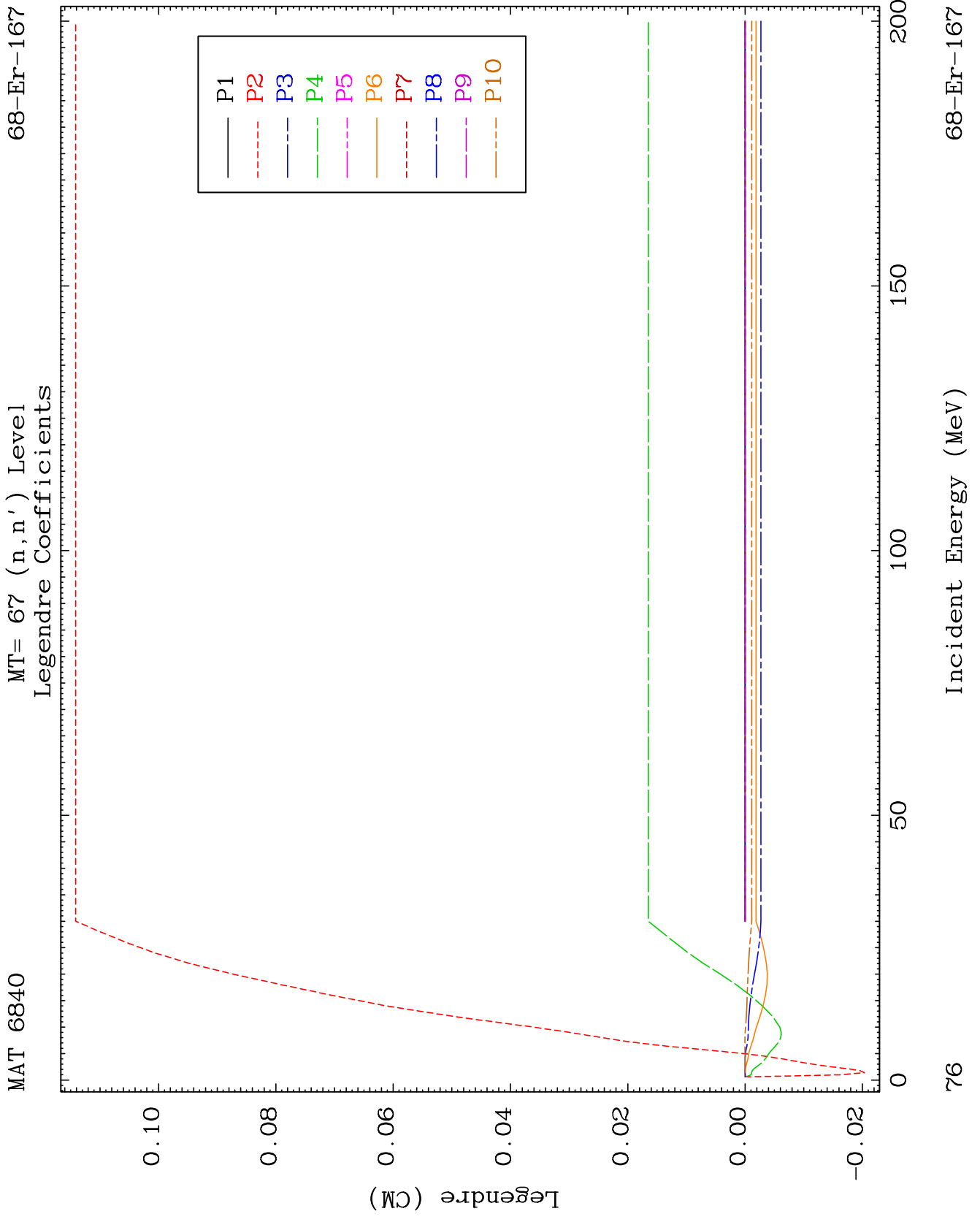
68-Er-167

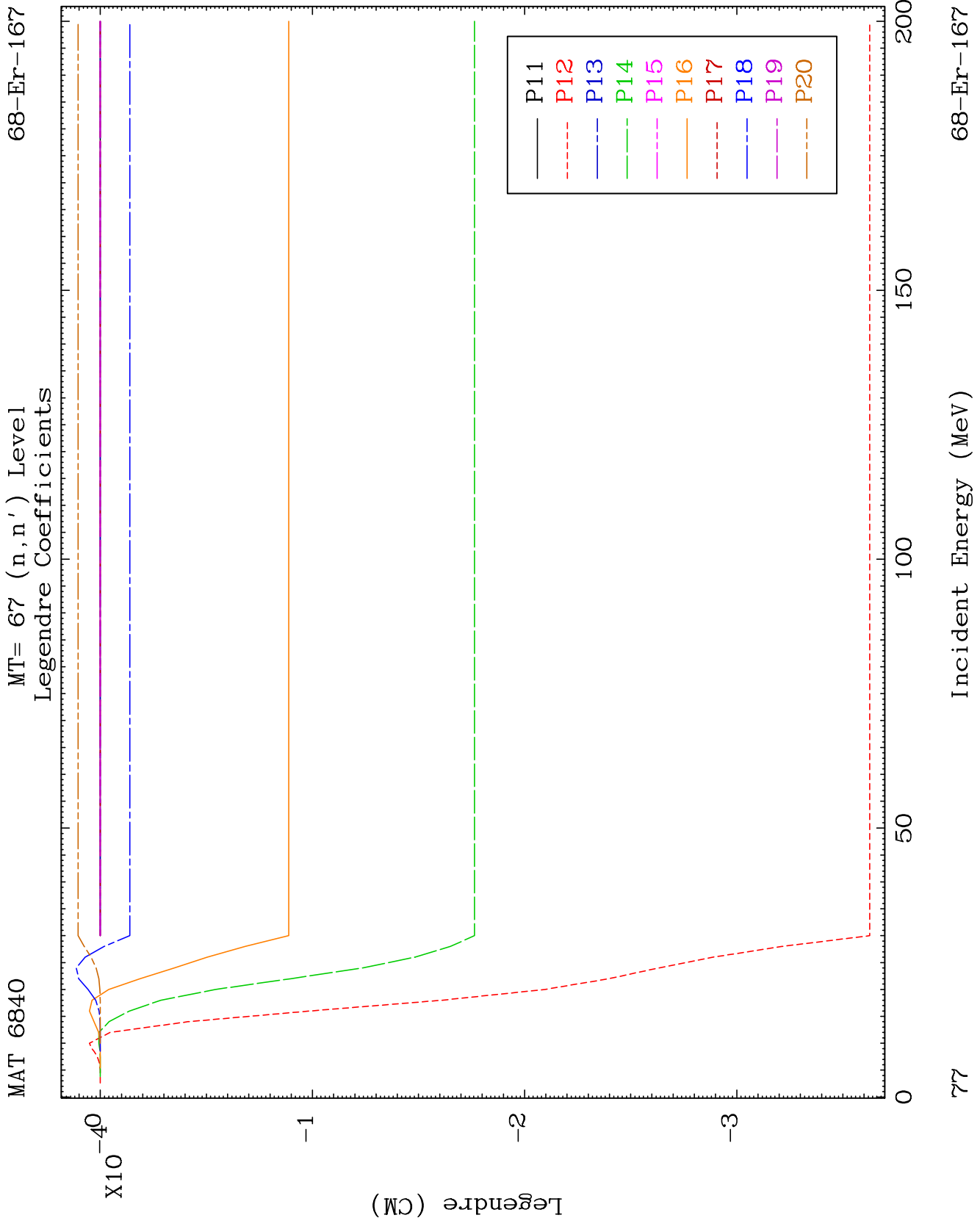


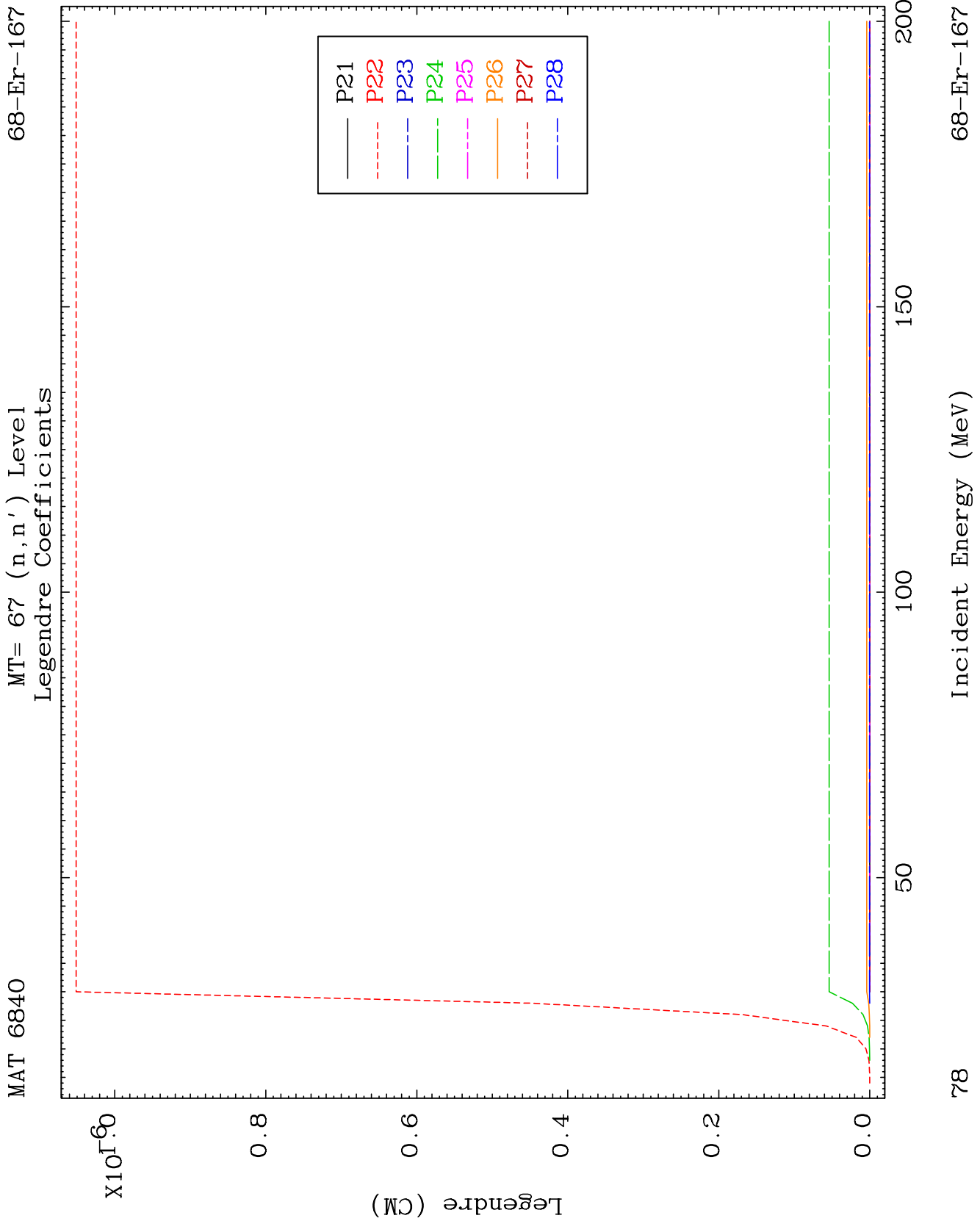
75

Incident Energy (MeV)

68-Er-167



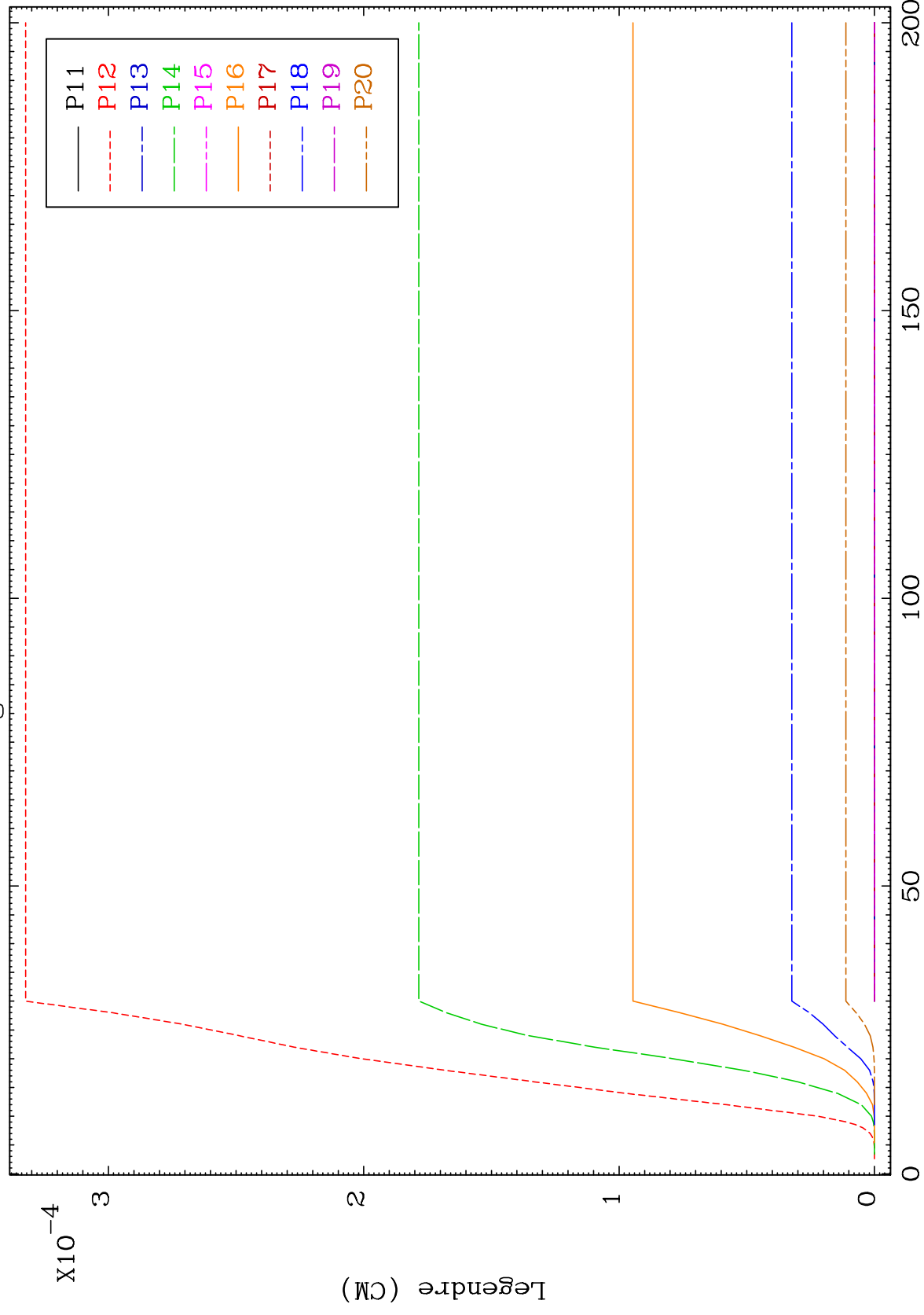




MAT 6840

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

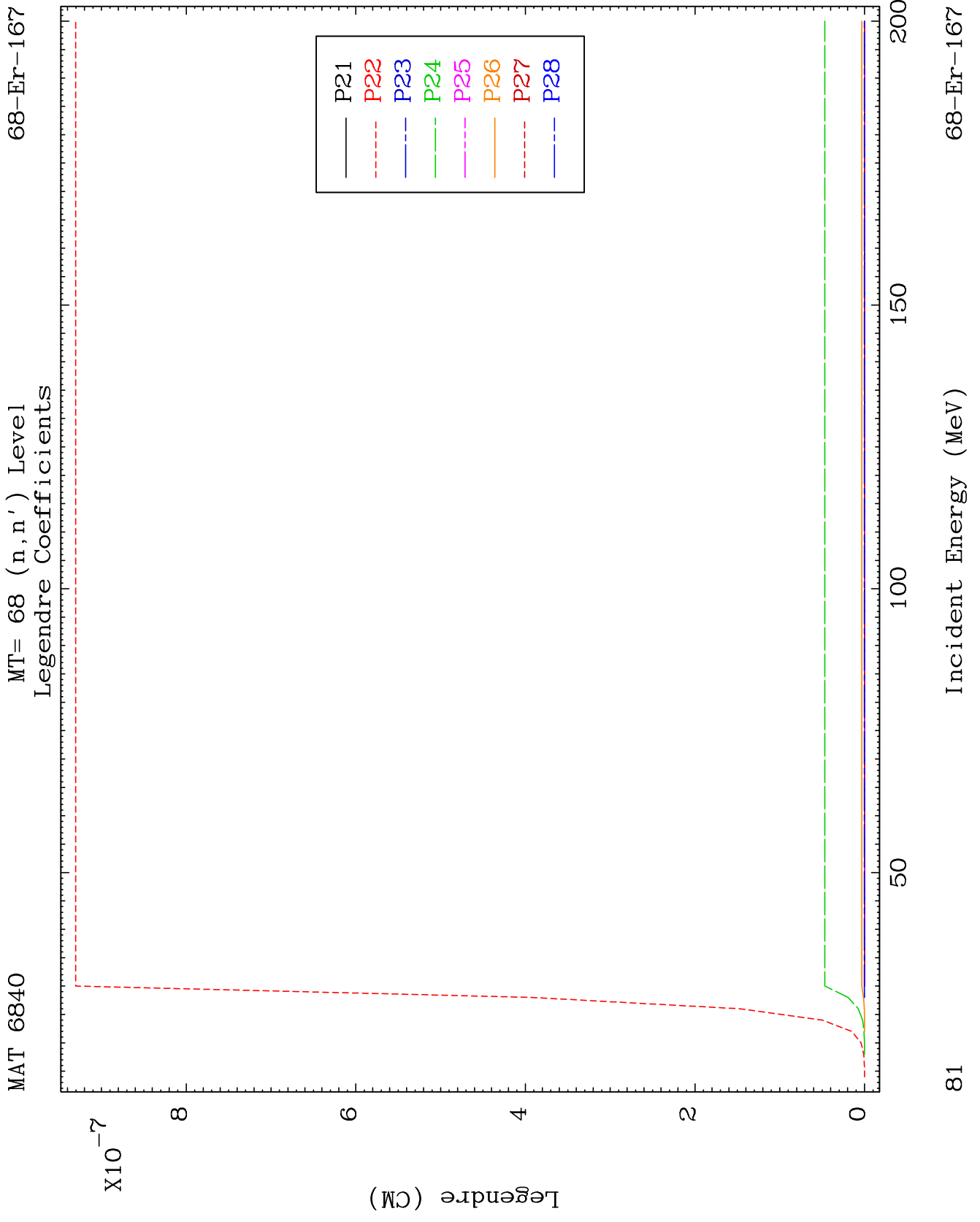
68-Er-167



68-Er-167

Incident Energy (MeV)

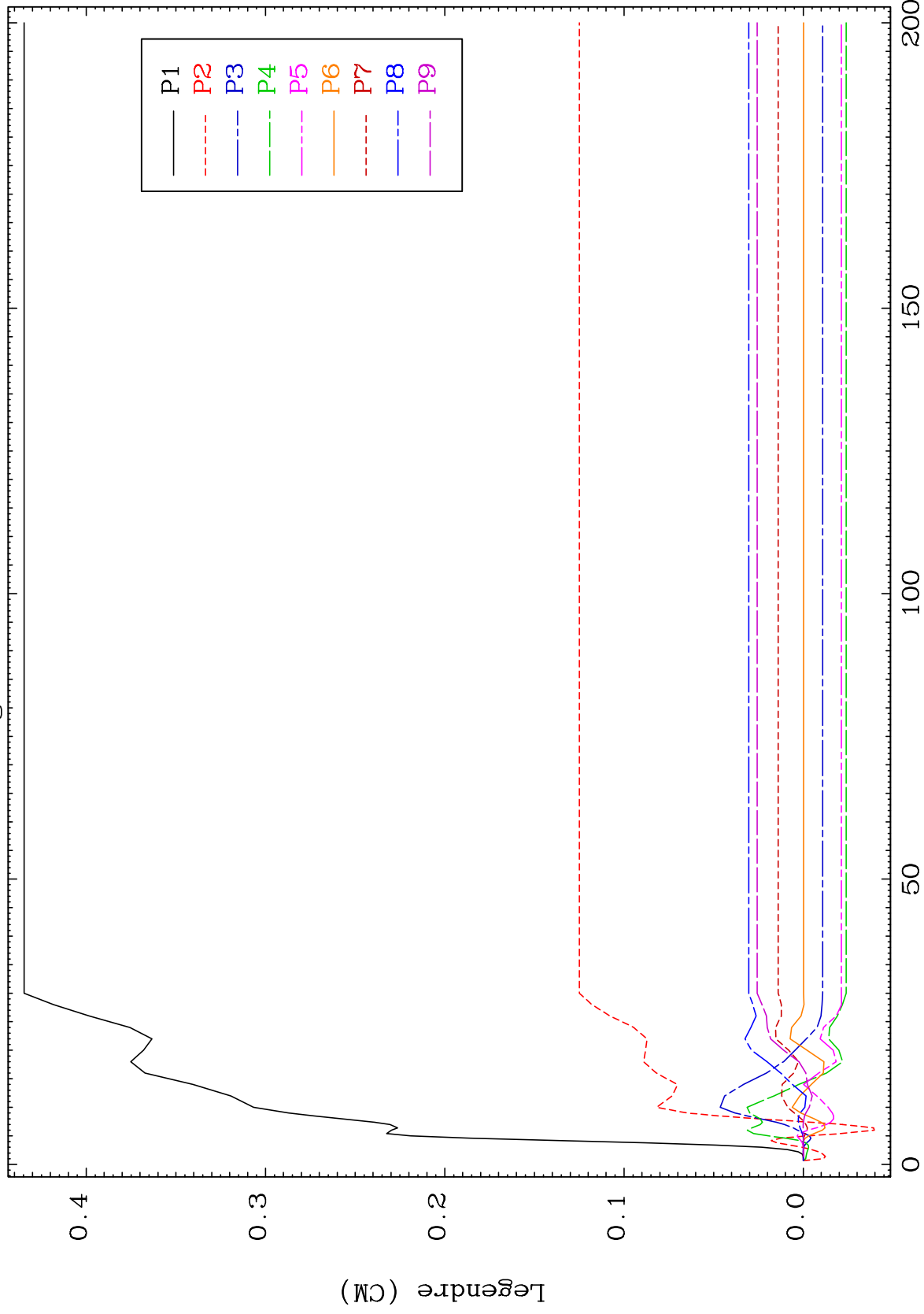
80



MAT 6840

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

68-Er-167



82

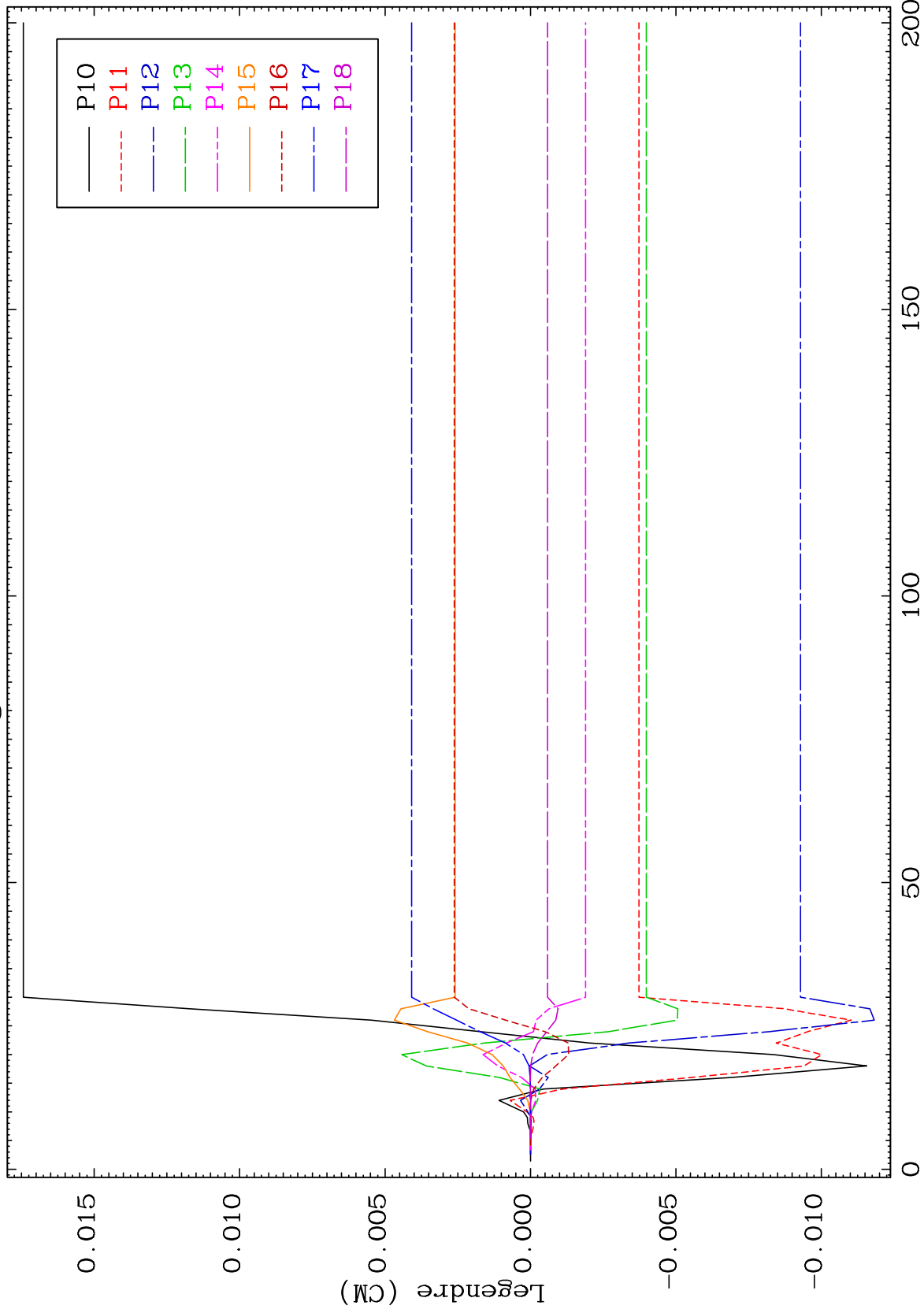
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



83

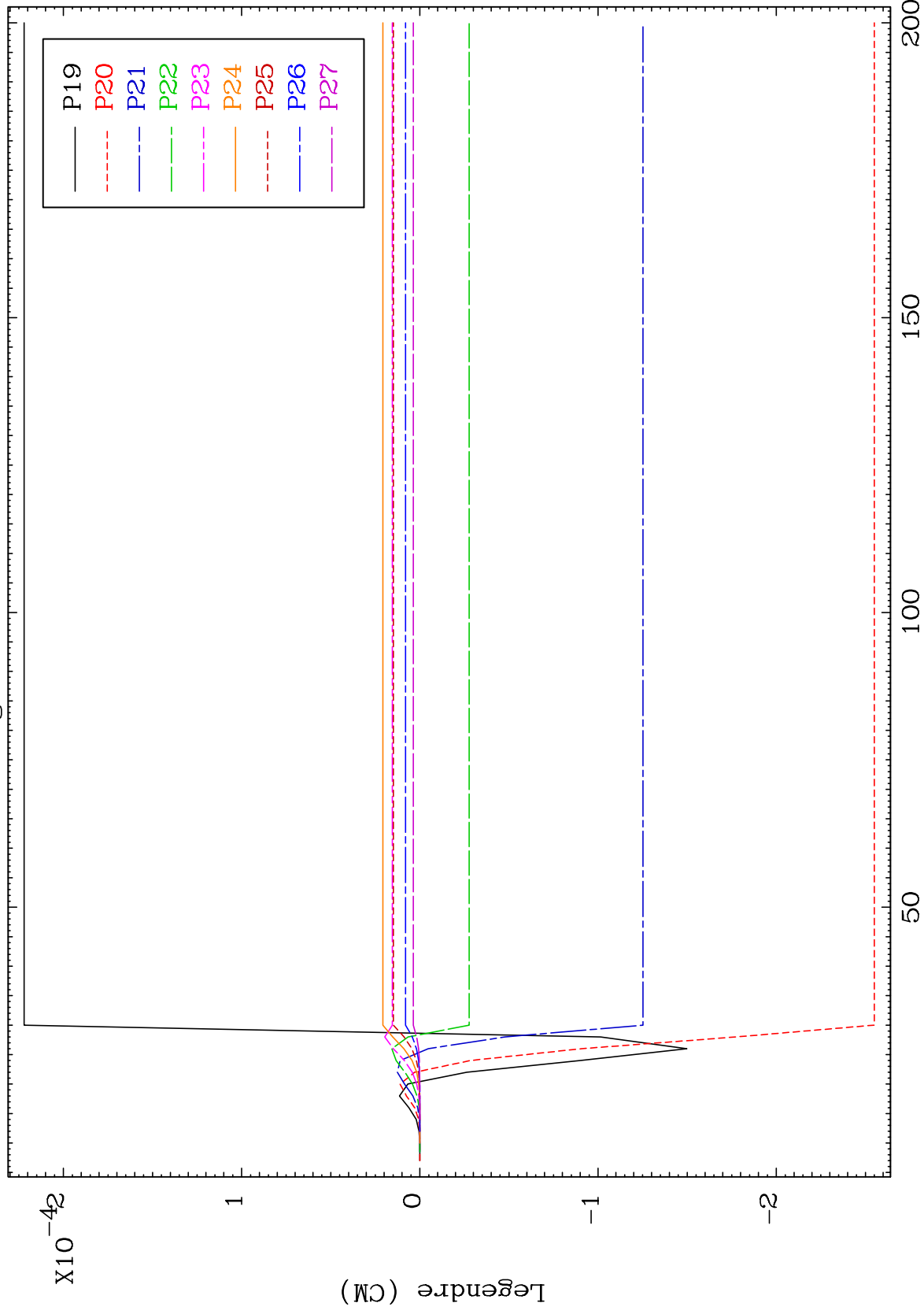
Incident Energy (MeV)

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

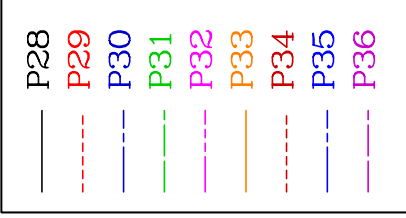
$\times 10^{-6}$
1.5

Legendre (CM)

1.0

0.5

0.0



200

150

100

50

85

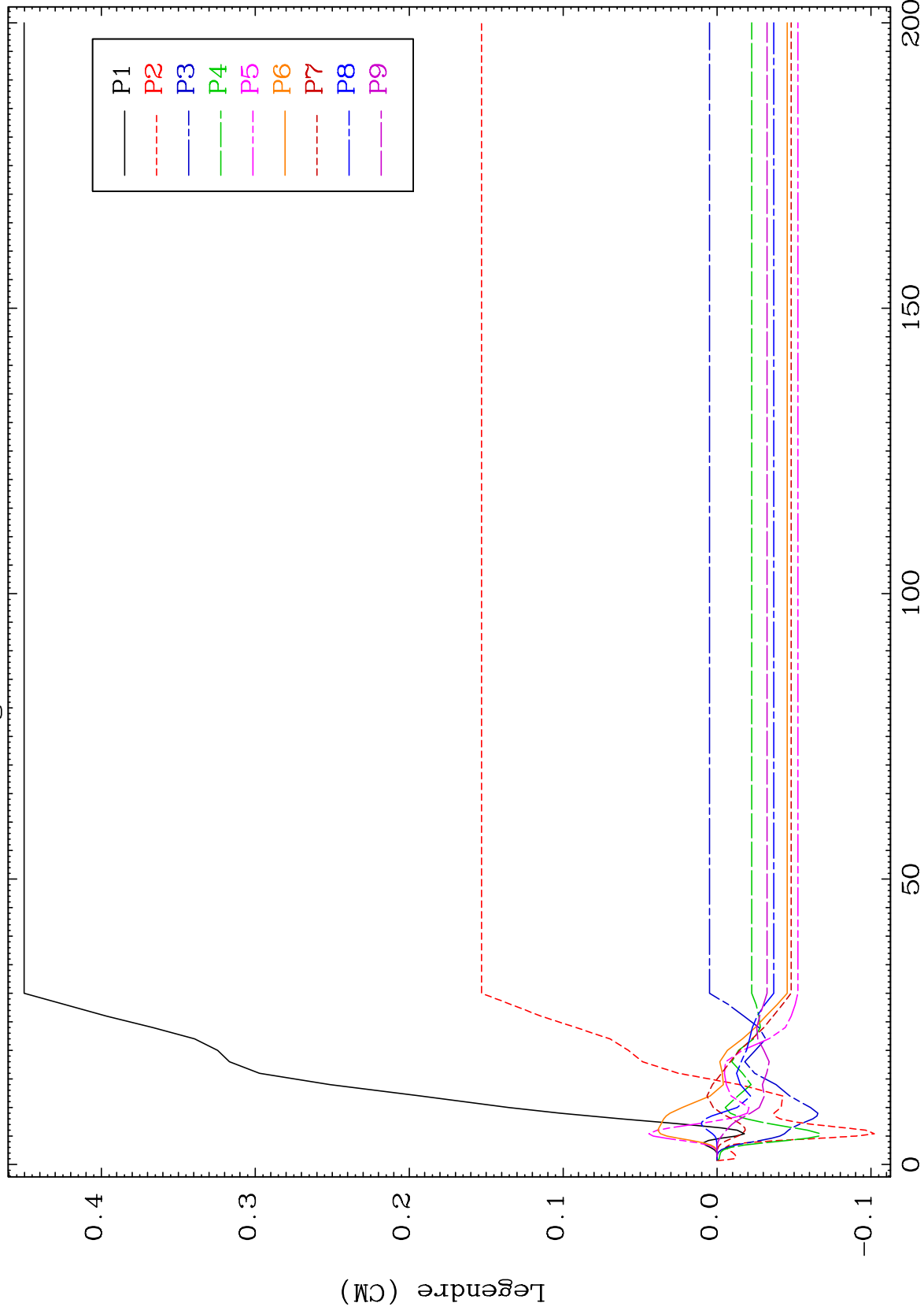
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



86

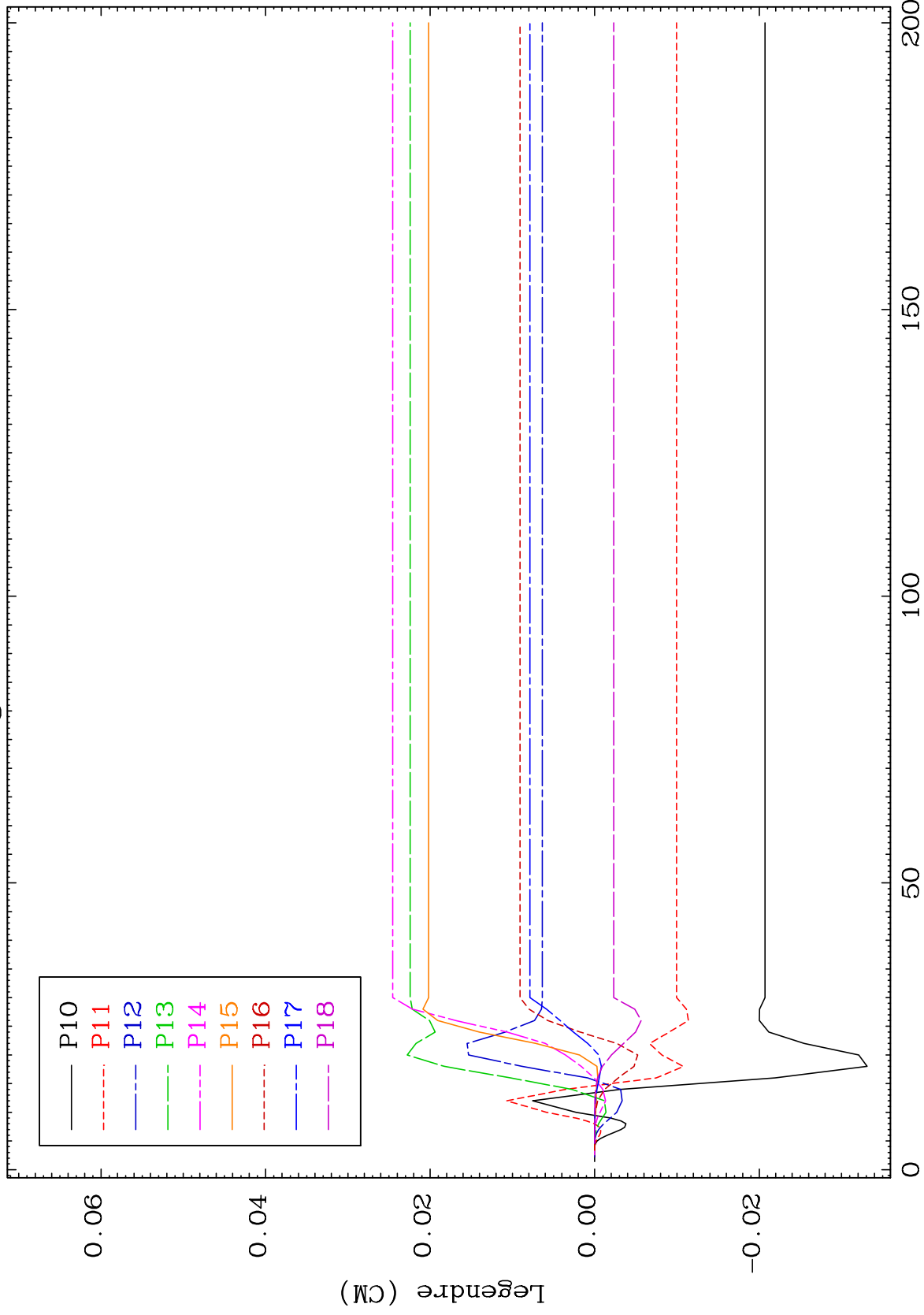
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



87

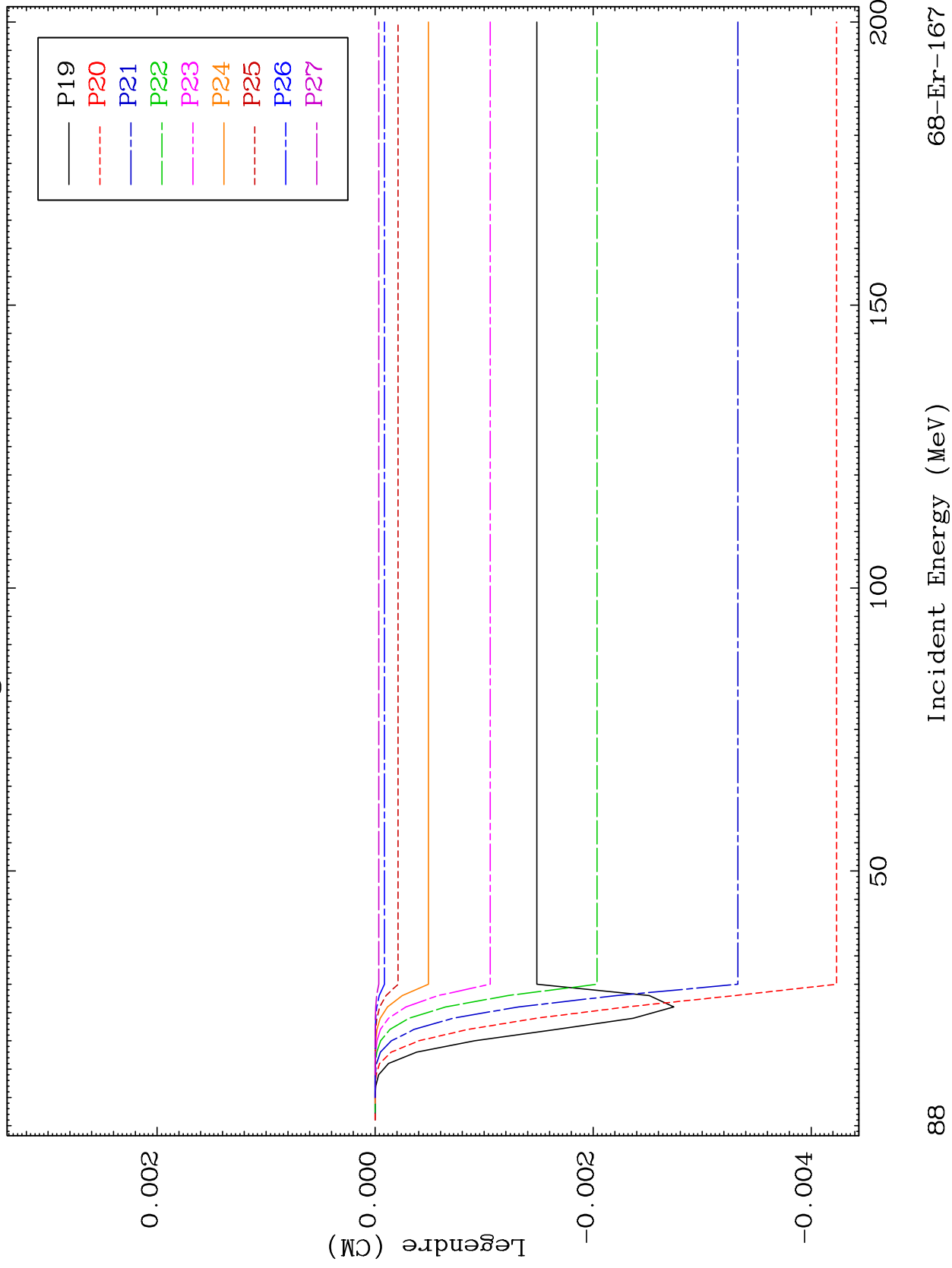
Incident Energy (MeV)

68-Er-167

MAT 6840

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

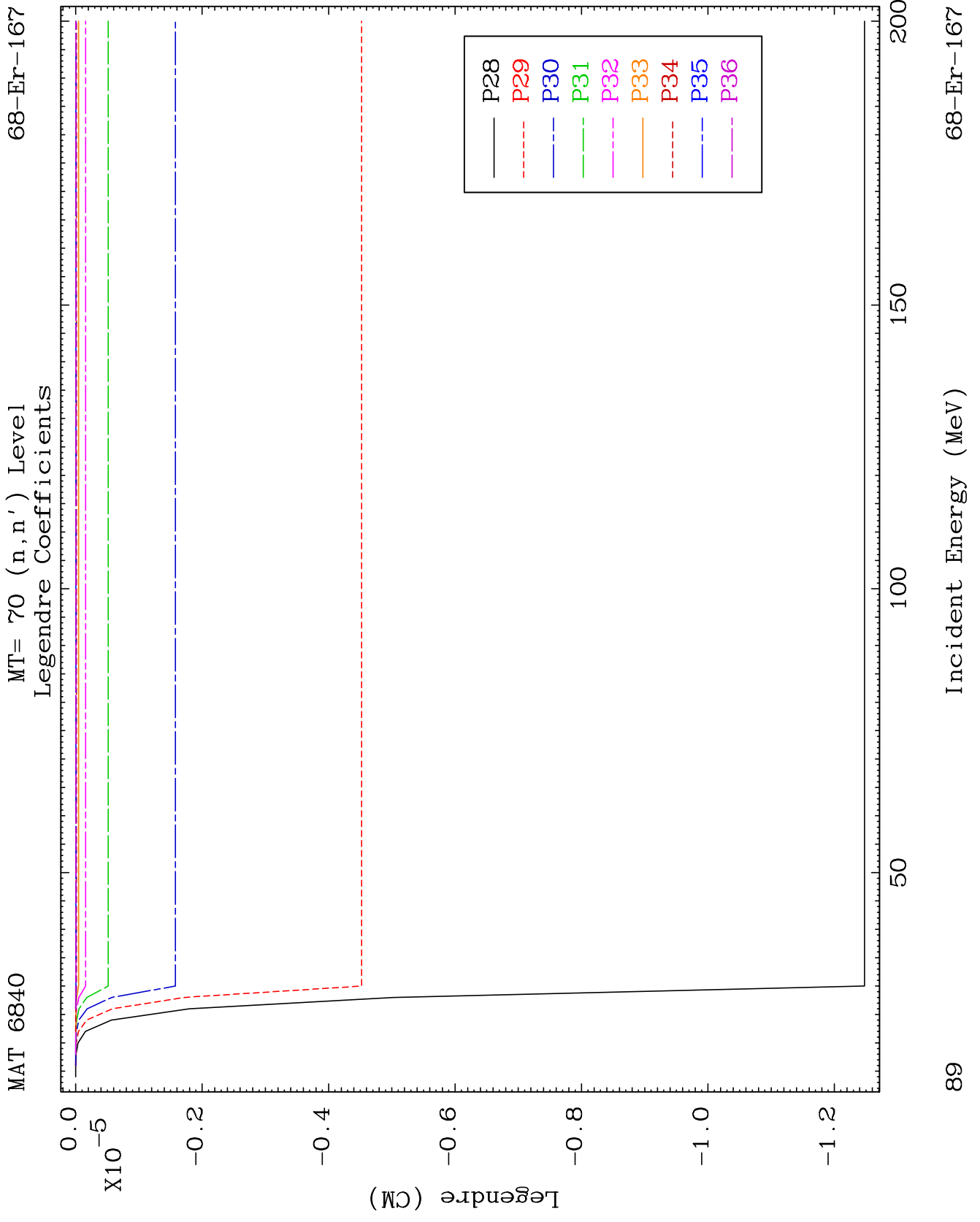
68-Er-167



88

Incident Energy (MeV)

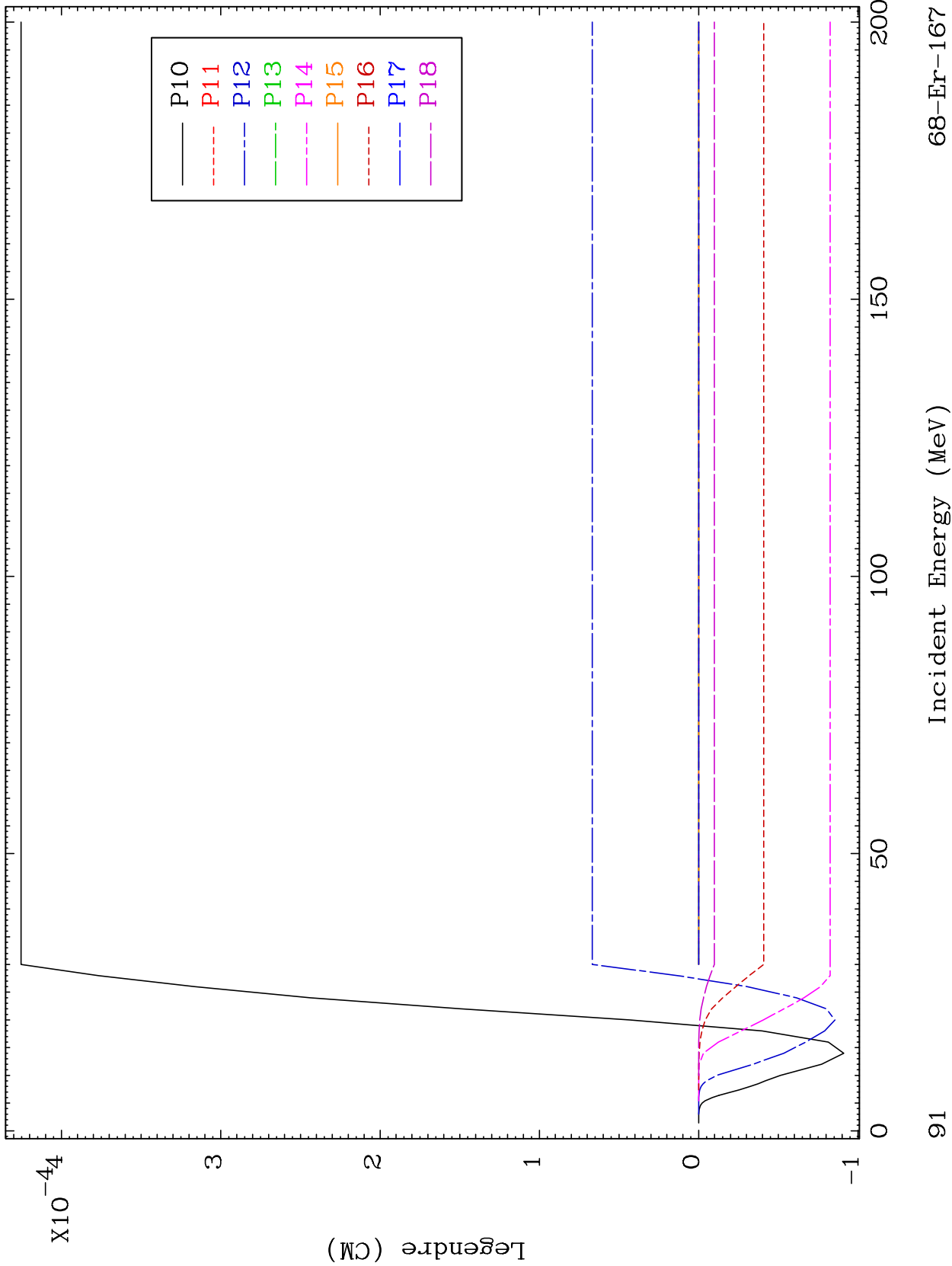
68-Er-167



MAT 6840

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

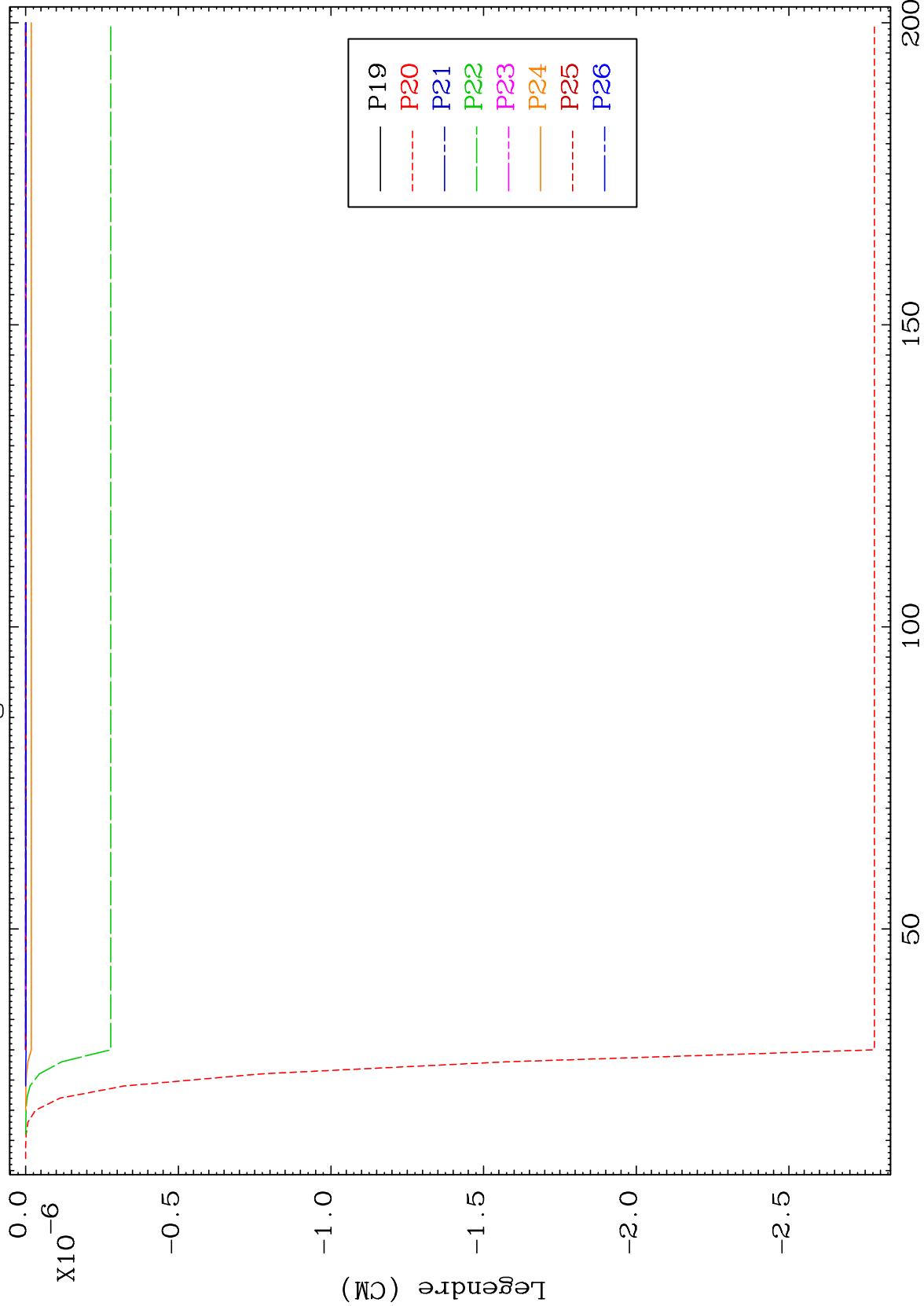
68-Er-167



91

Incident Energy (MeV)

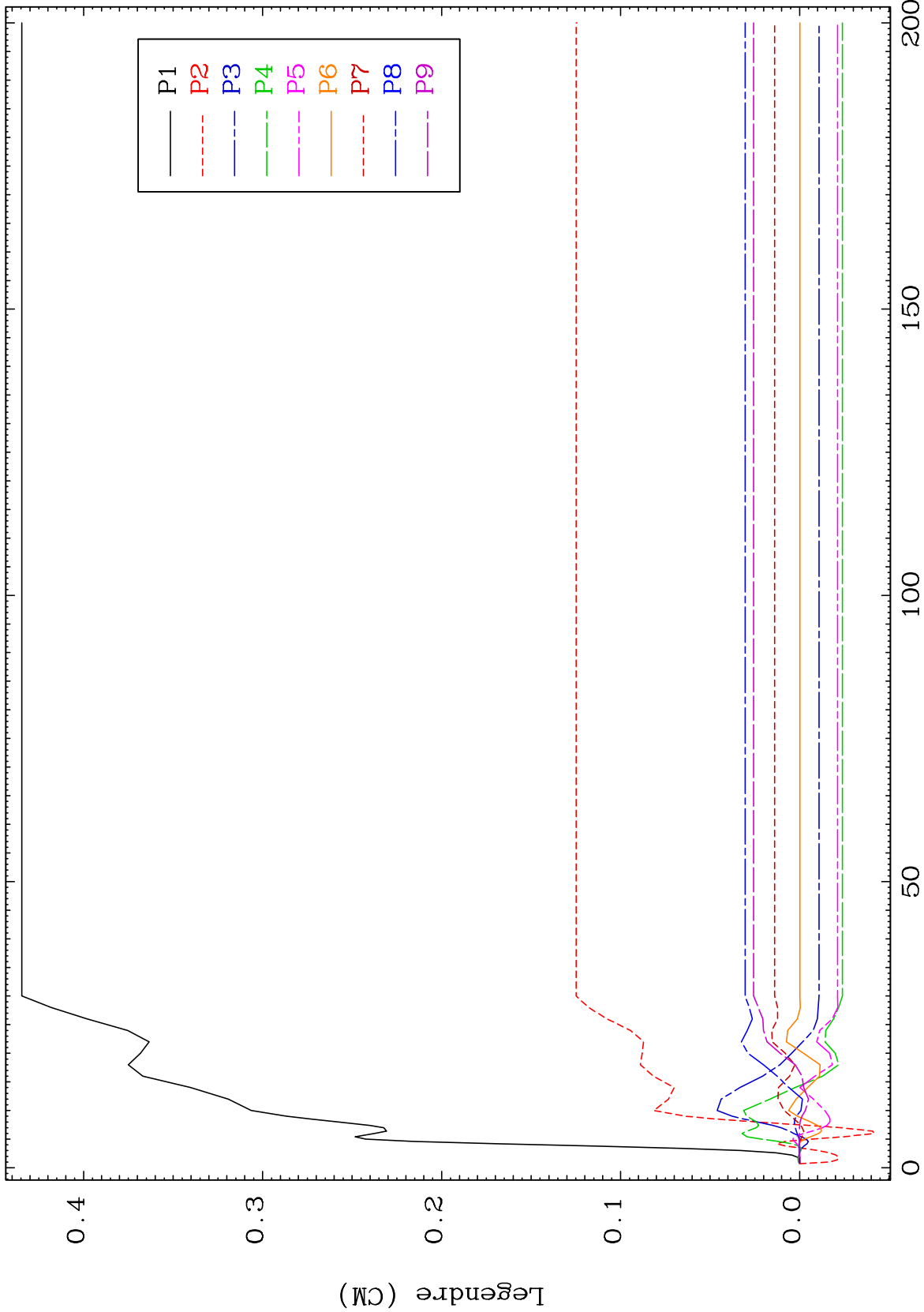
68-Er-167



MAT 6840

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

68-Er-167



93

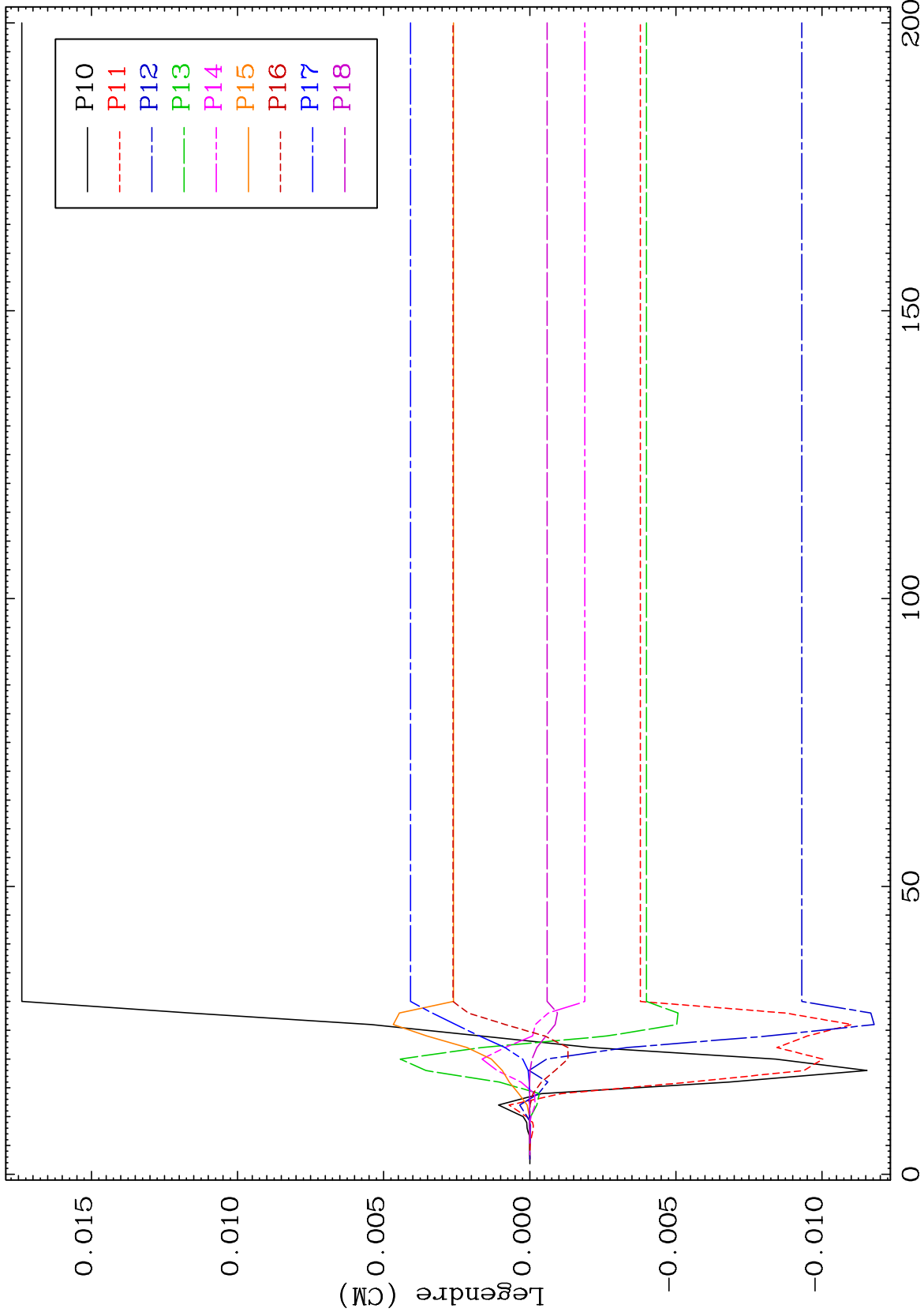
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



94

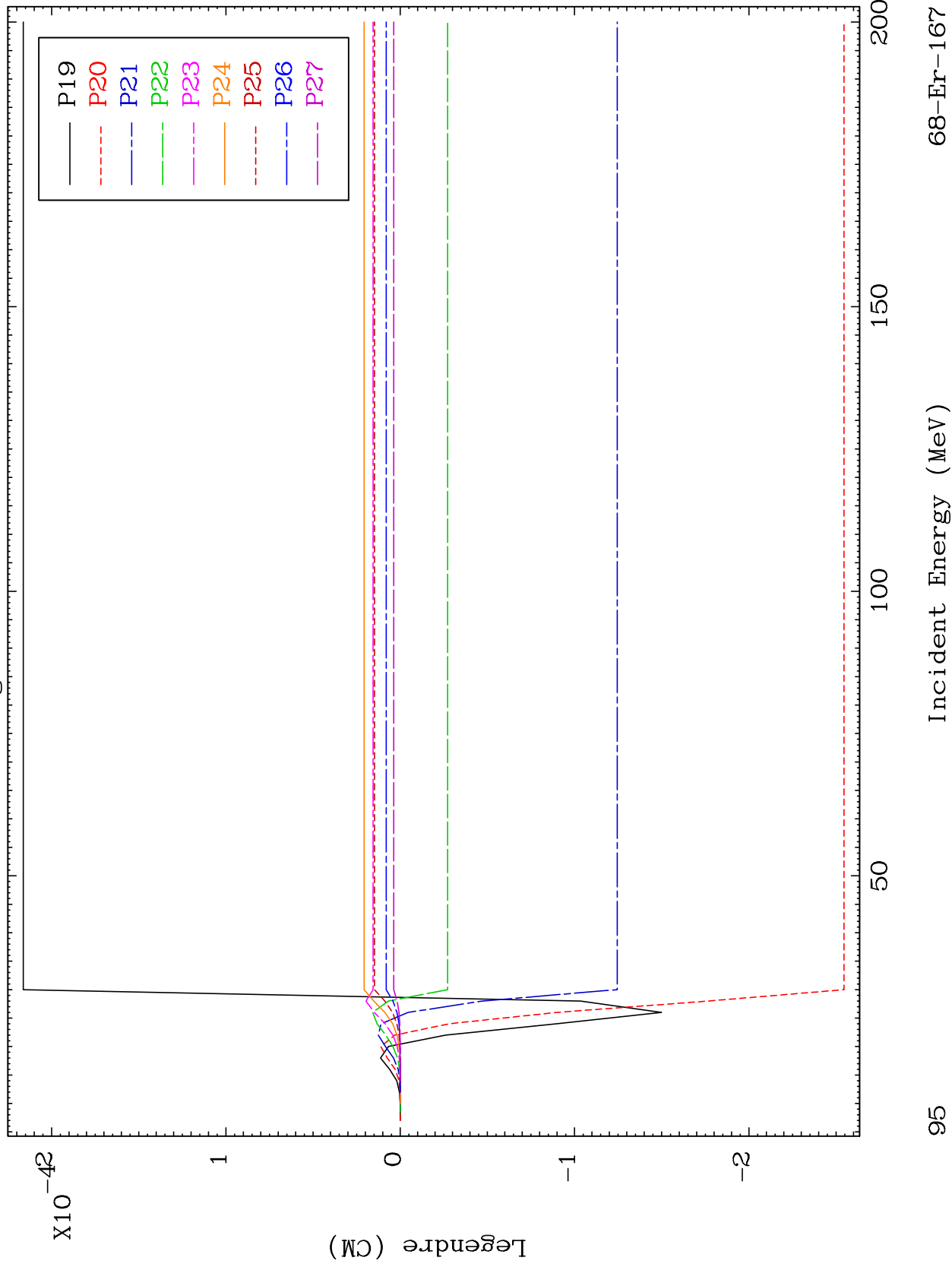
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



MAT 6840

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

68-Er-167

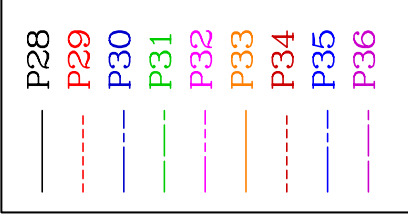
$\times 10^{-6}$
1.5

Legendre (CM)

1.0

0.5

0.0



200

150

100

50

96

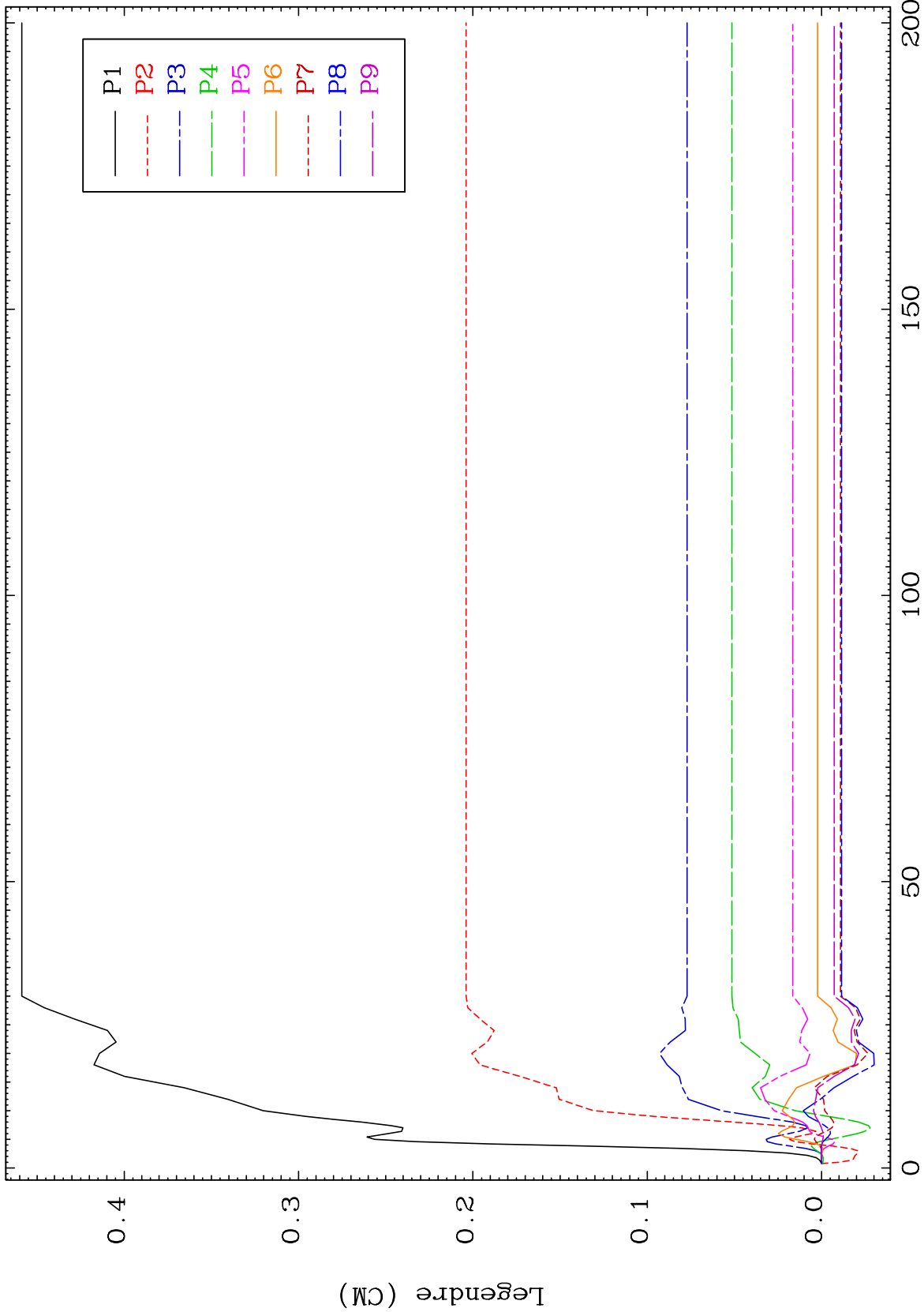
Incident Energy (MeV)

68-Er-167

MAT 6840

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

68-Er-167



97

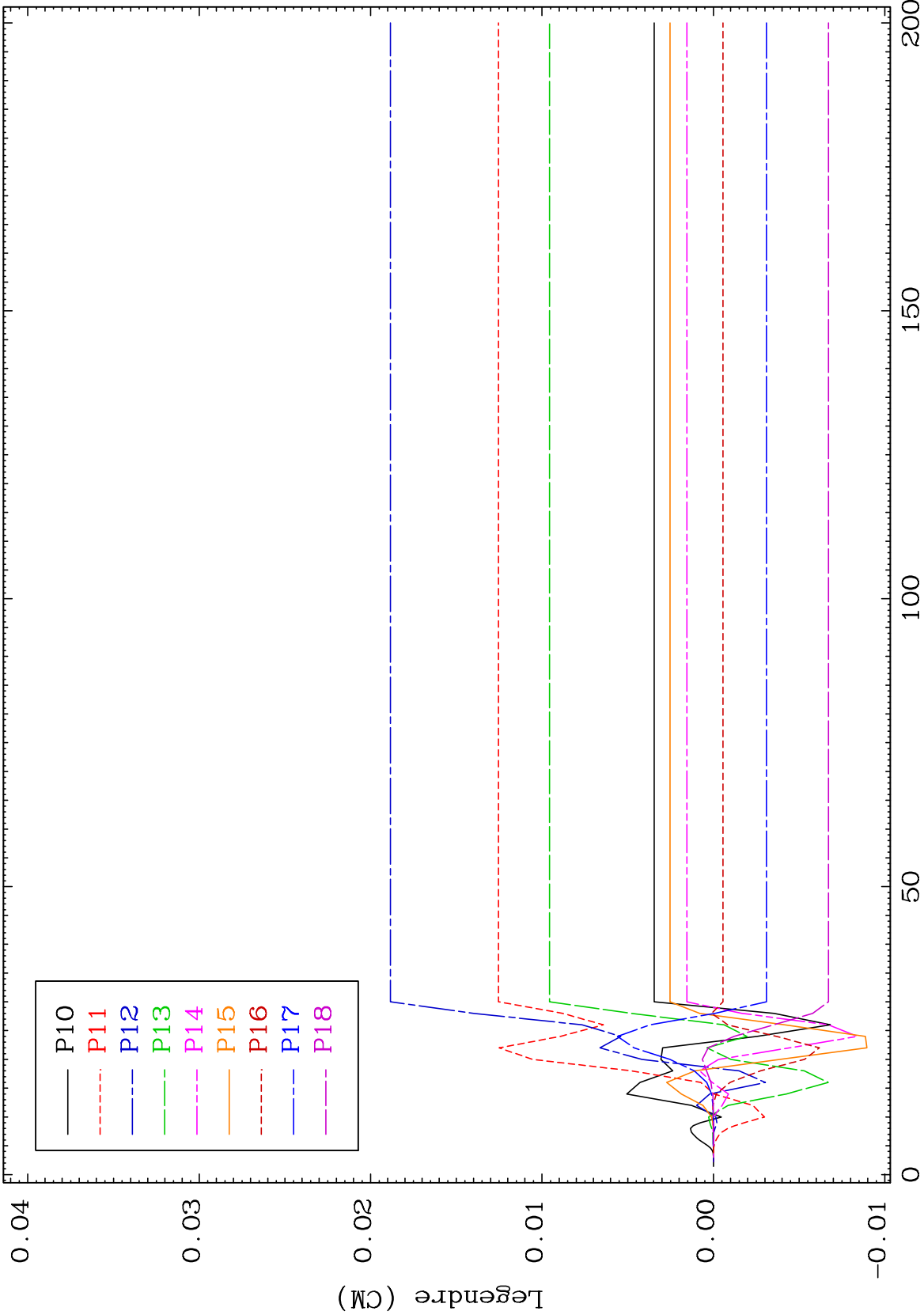
Incident Energy (MeV)

68-Er-167

MAT 6840

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

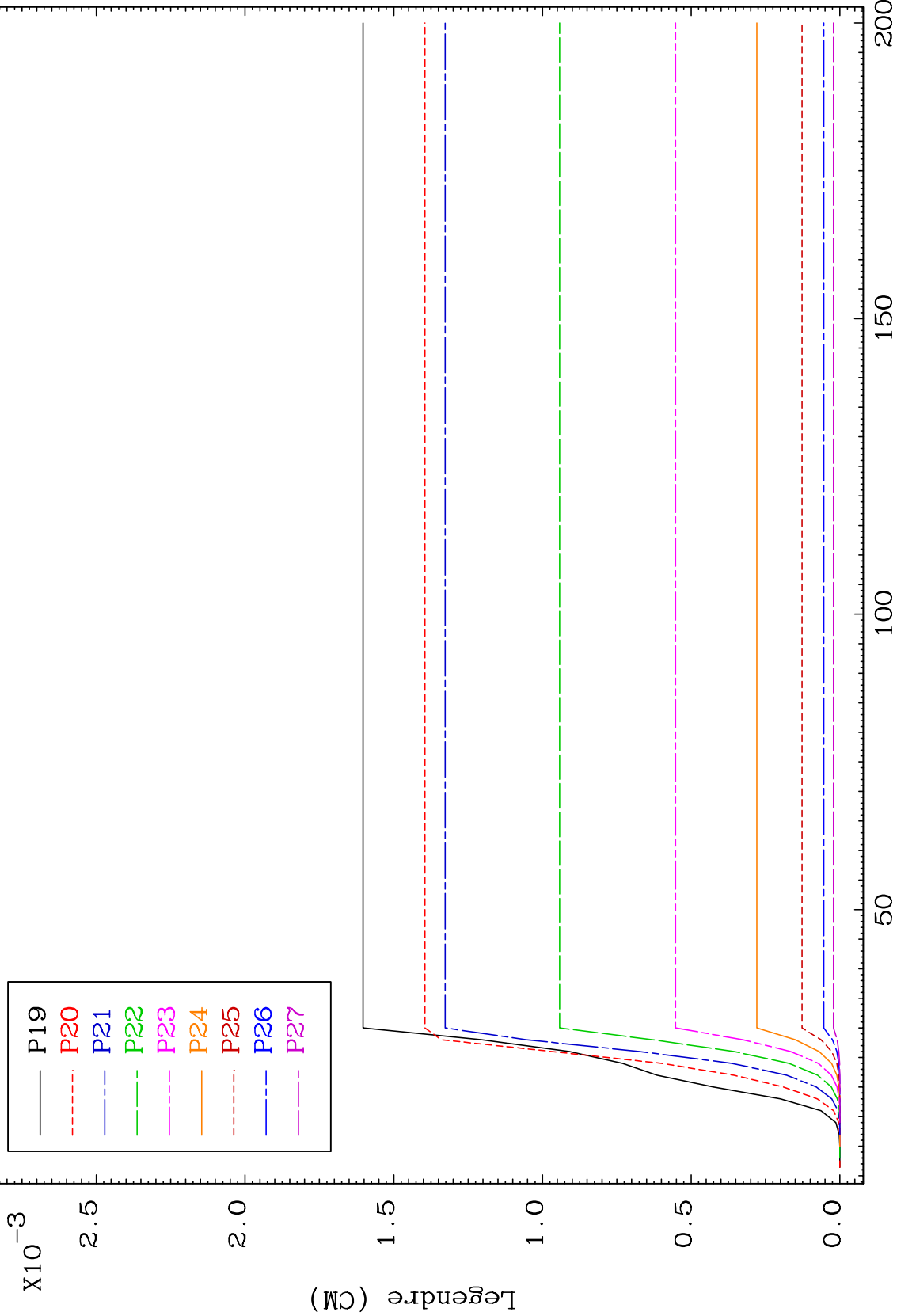
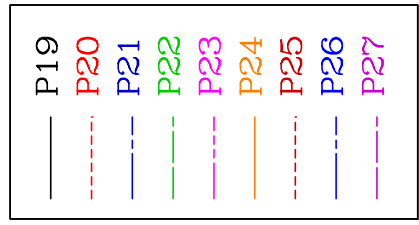
68-Er-167



98

Incident Energy (MeV)

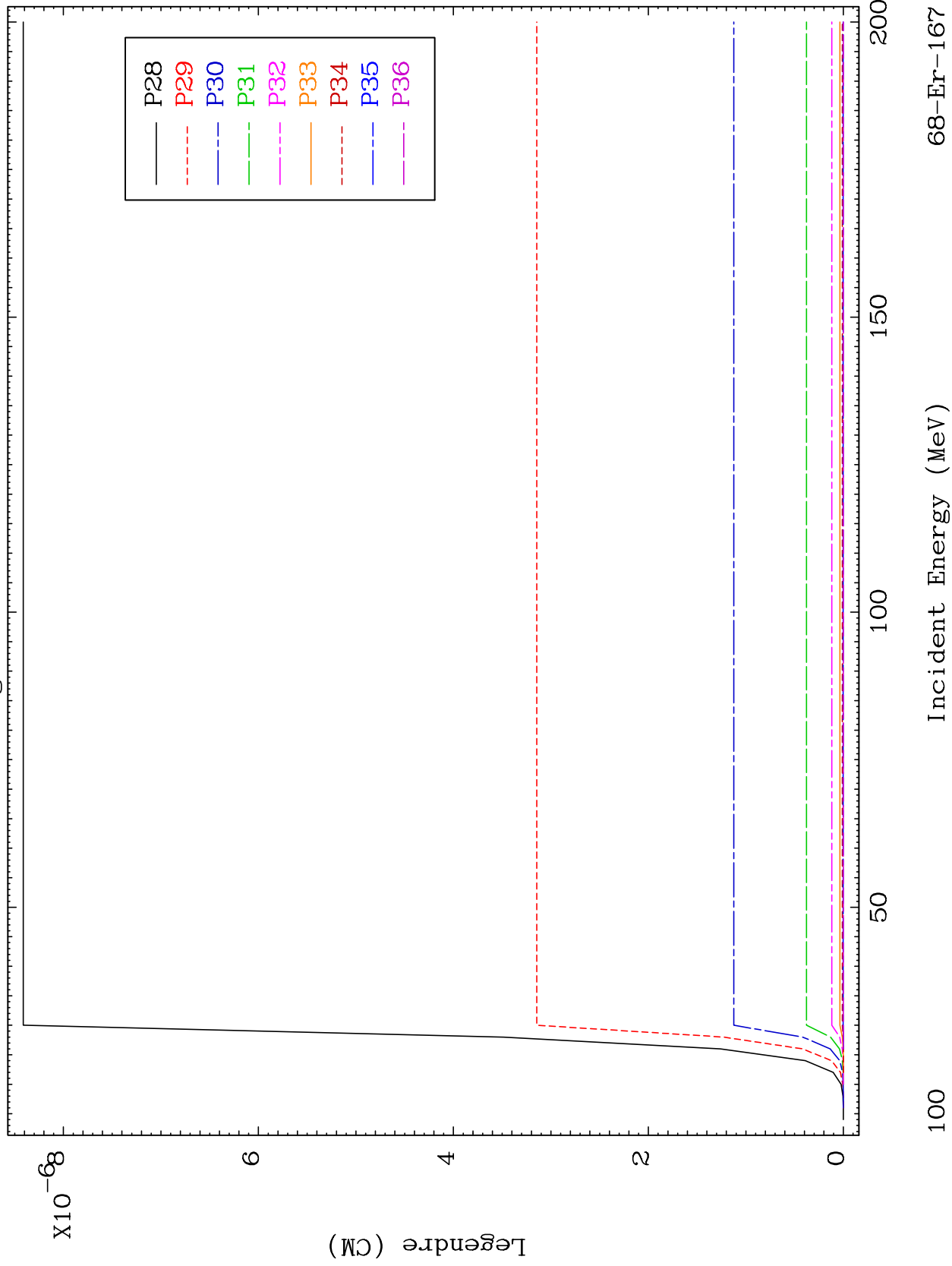
68-Er-167



MAT 6840

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

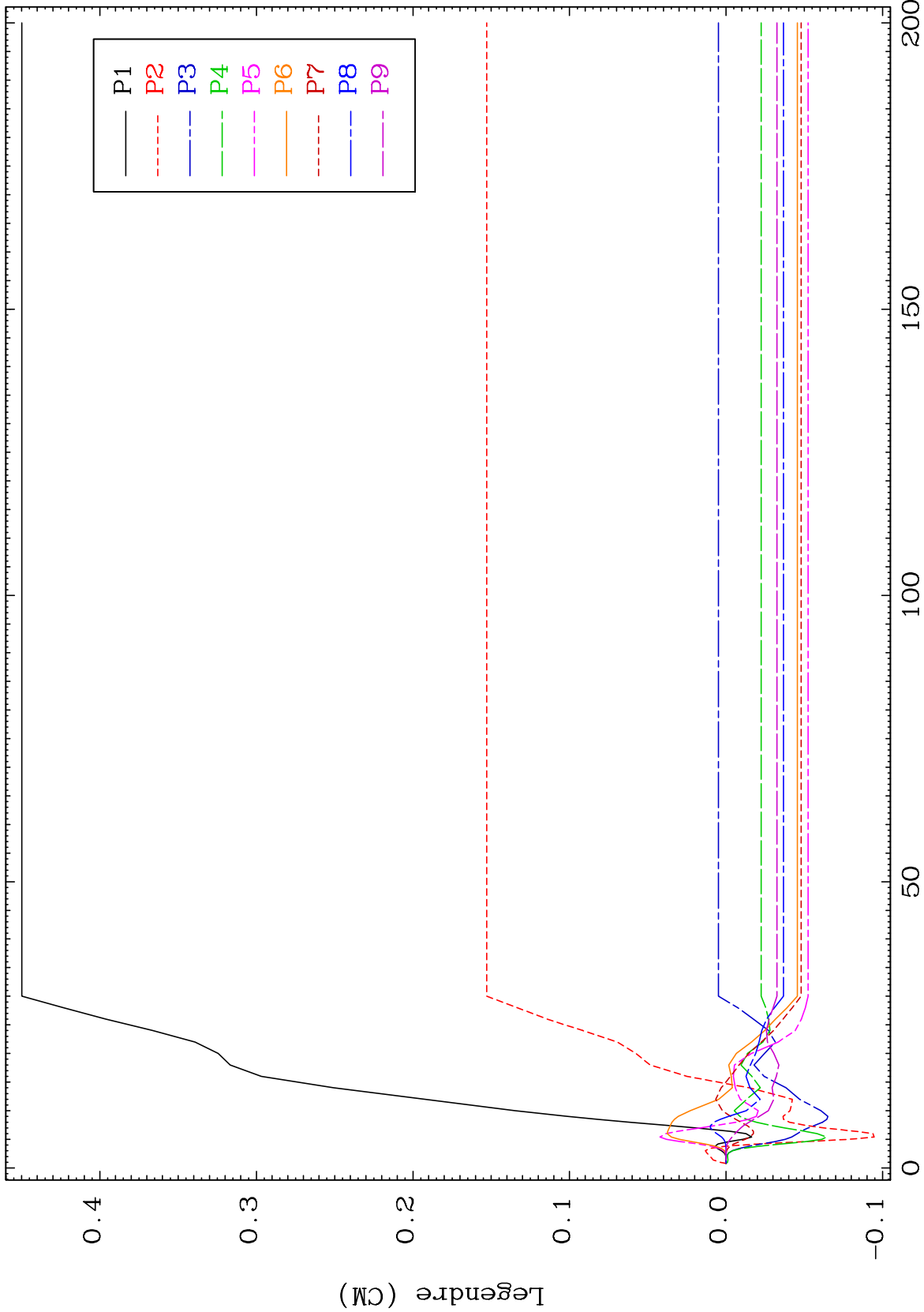
68-Er-167



MAT 6840

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

68-Er-167



68-Er-167

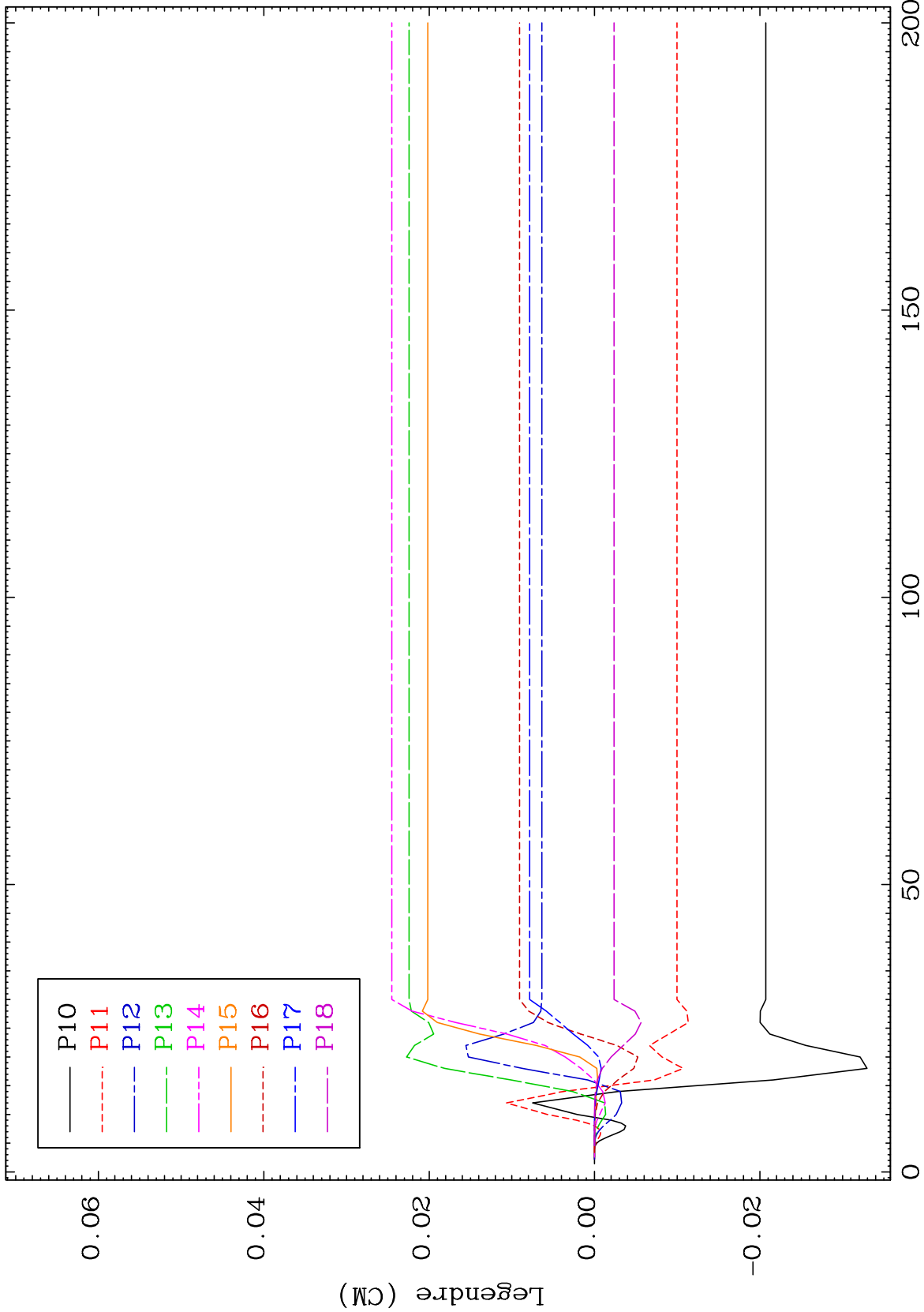
Incident Energy (MeV)

101

MAT 6840

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

68-Er-167



102

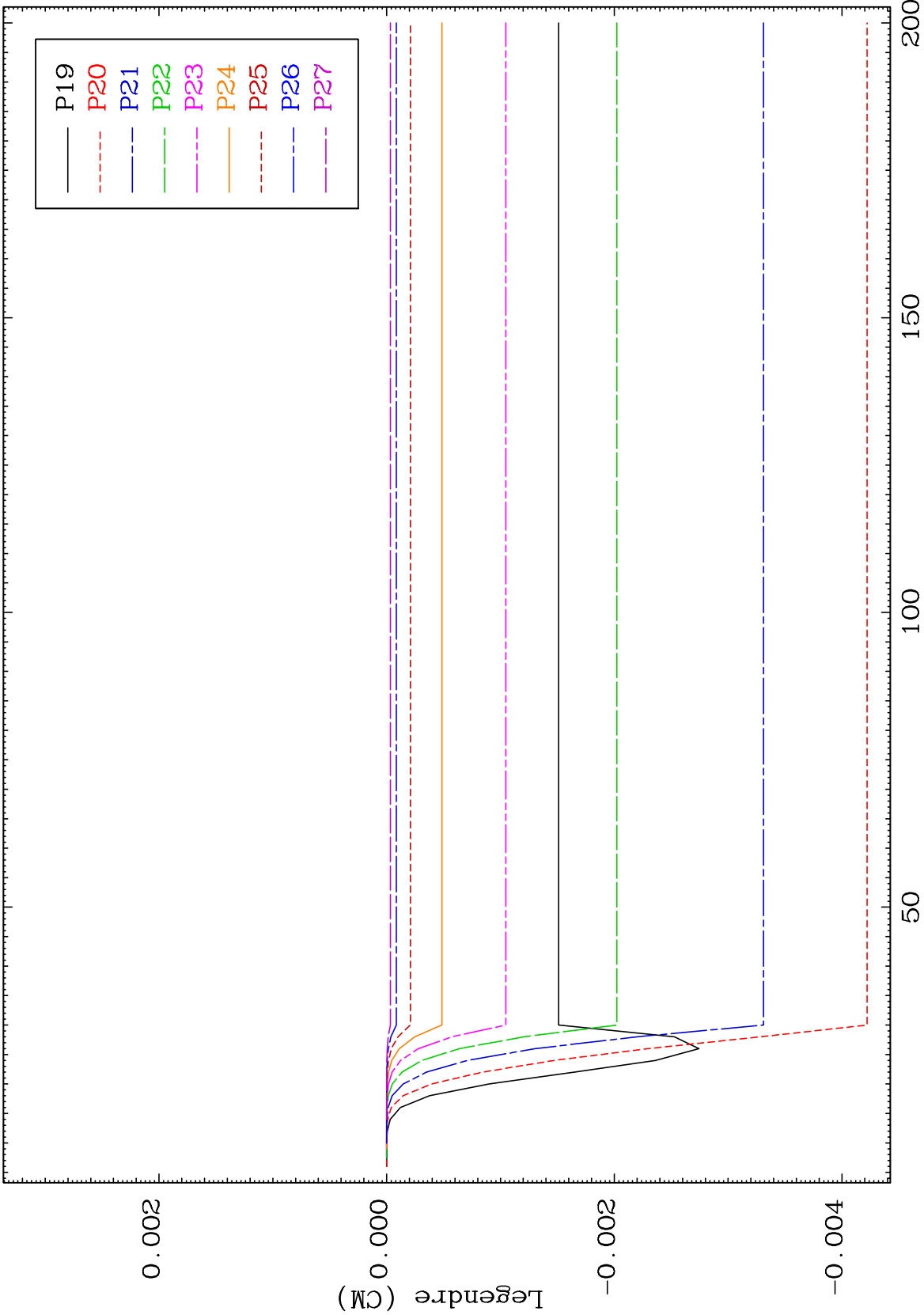
Incident Energy (MeV)

68-Er-167

MAT 6840

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

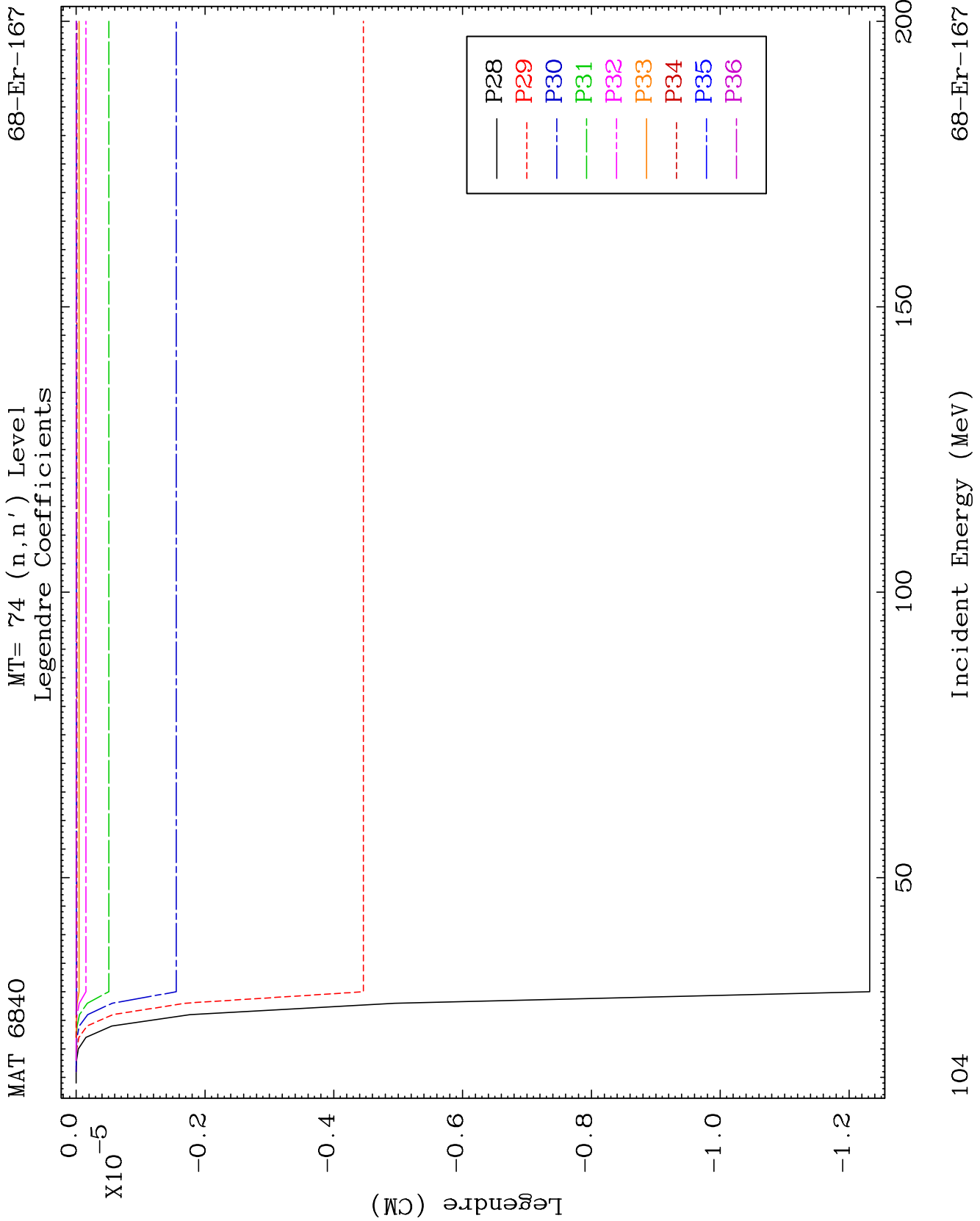
68-Er-167

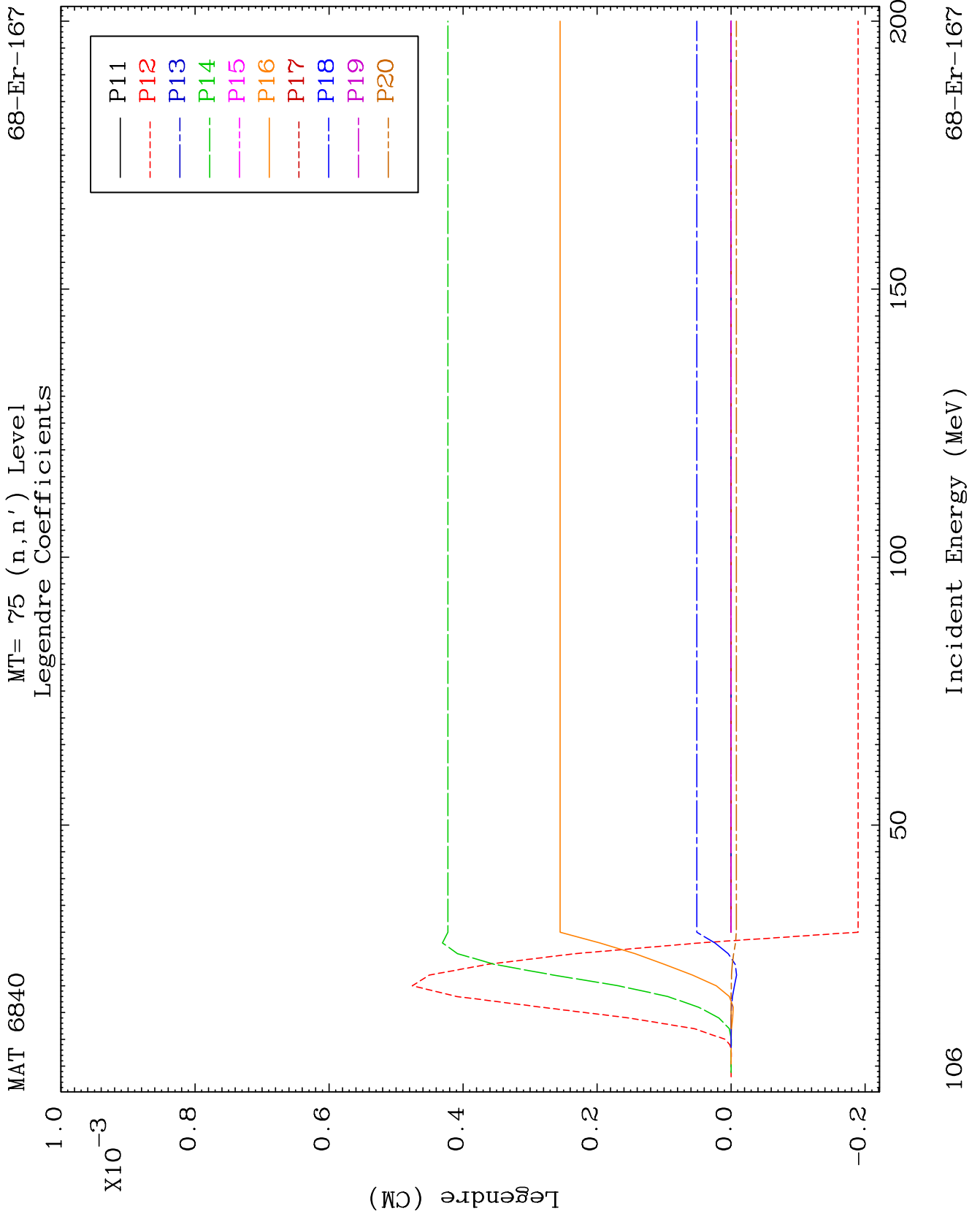


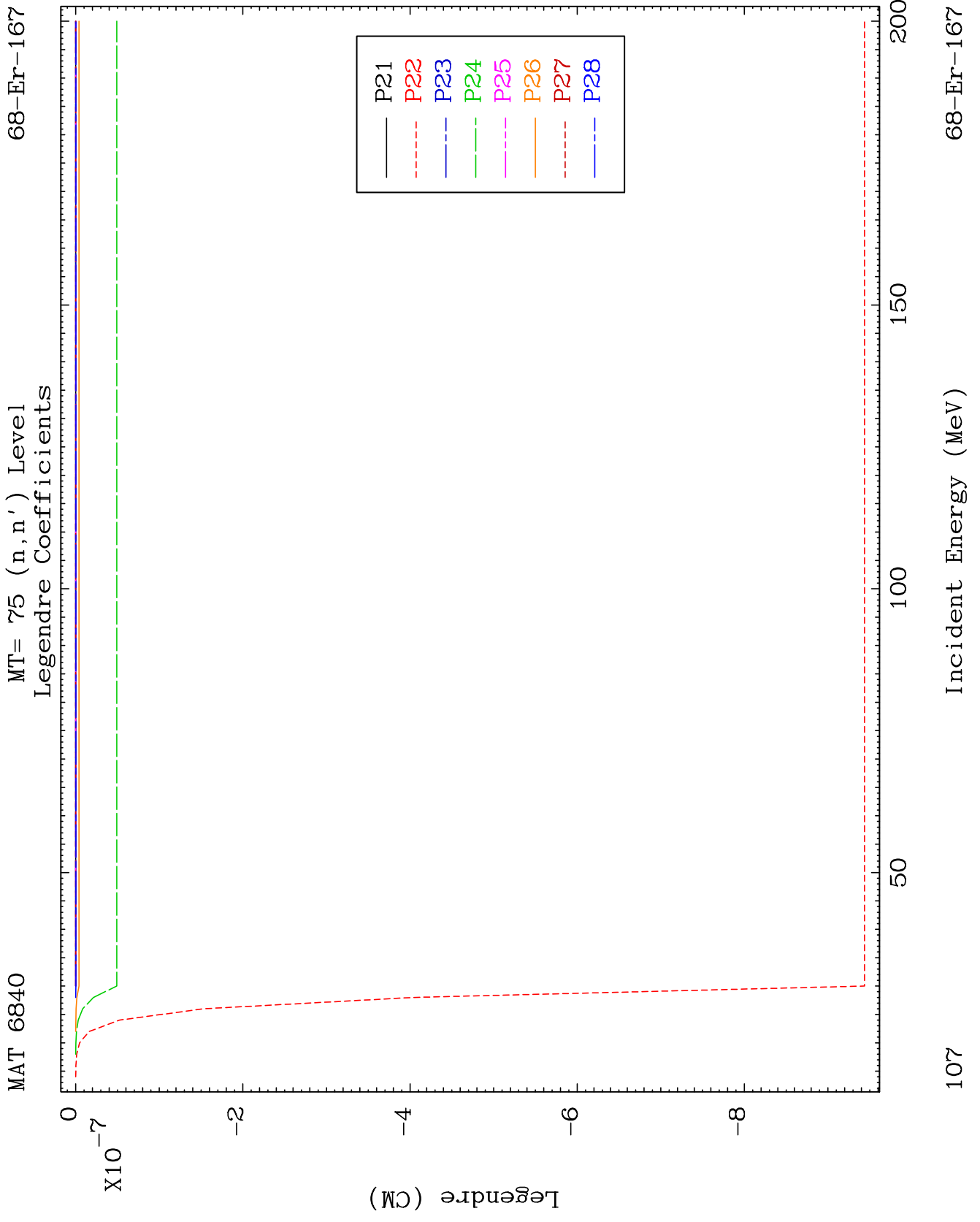
103

Incident Energy (MeV)

68-Er-167



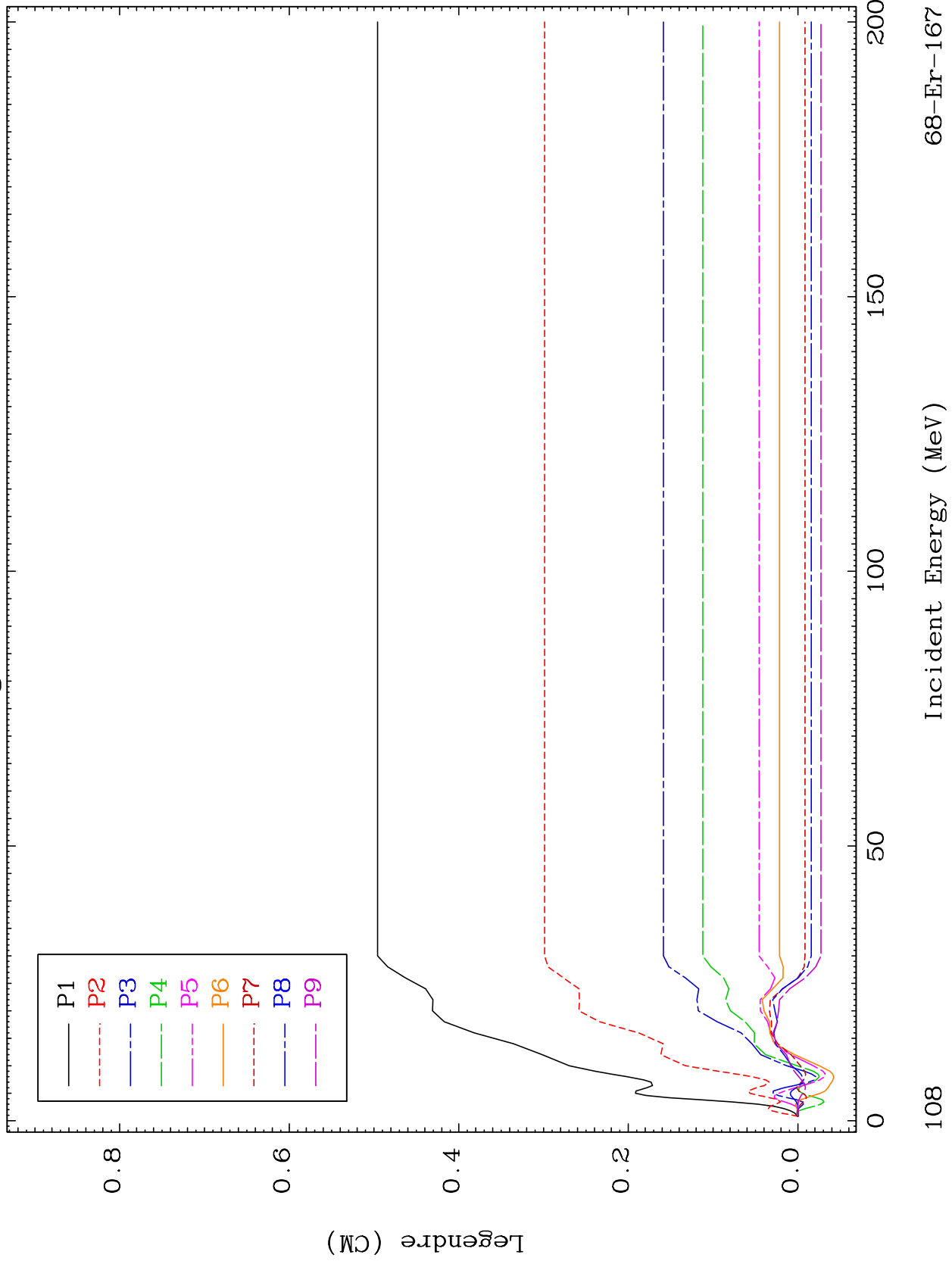




MAT 6840

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

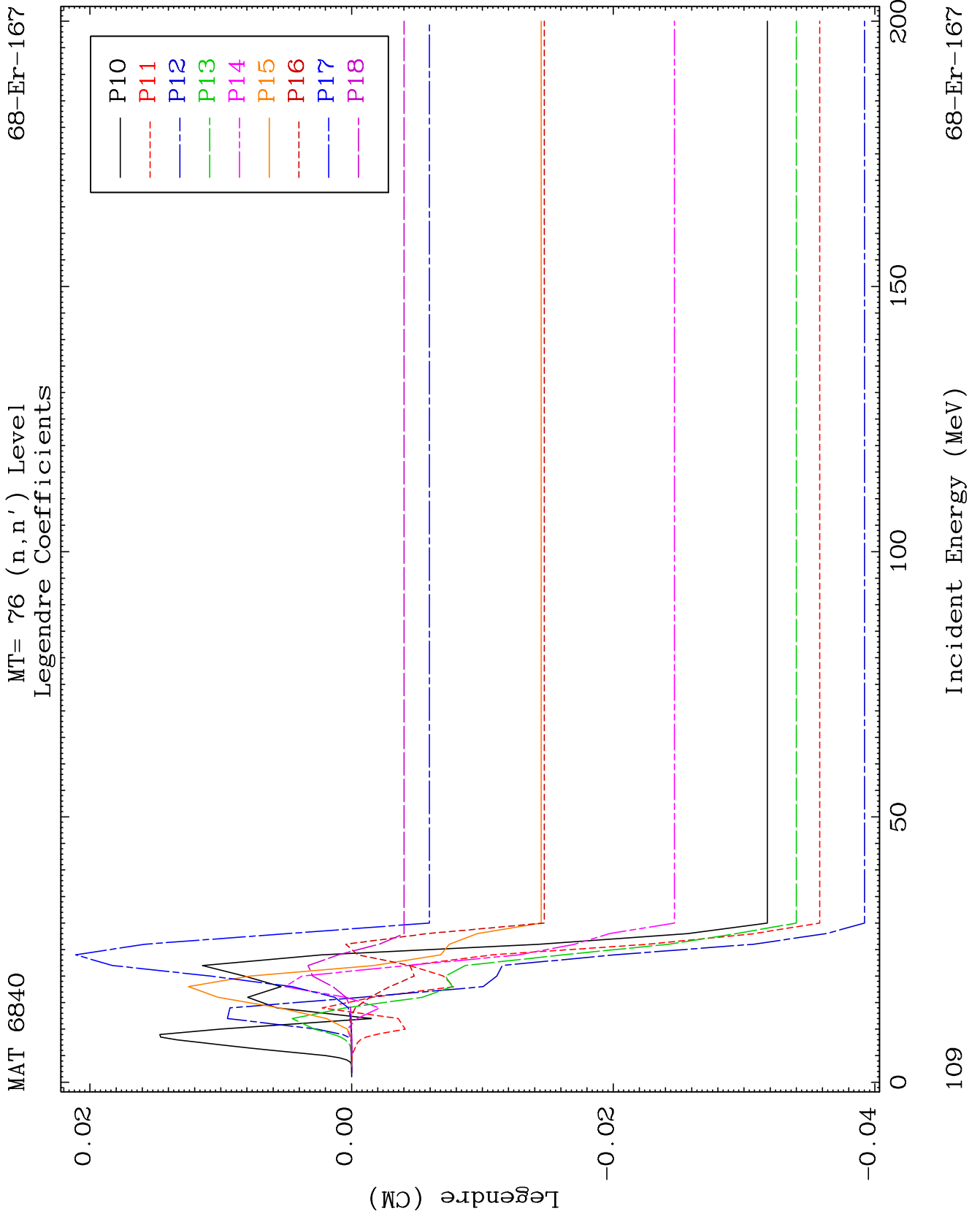
68-Er-167



108

Incident Energy (MeV)

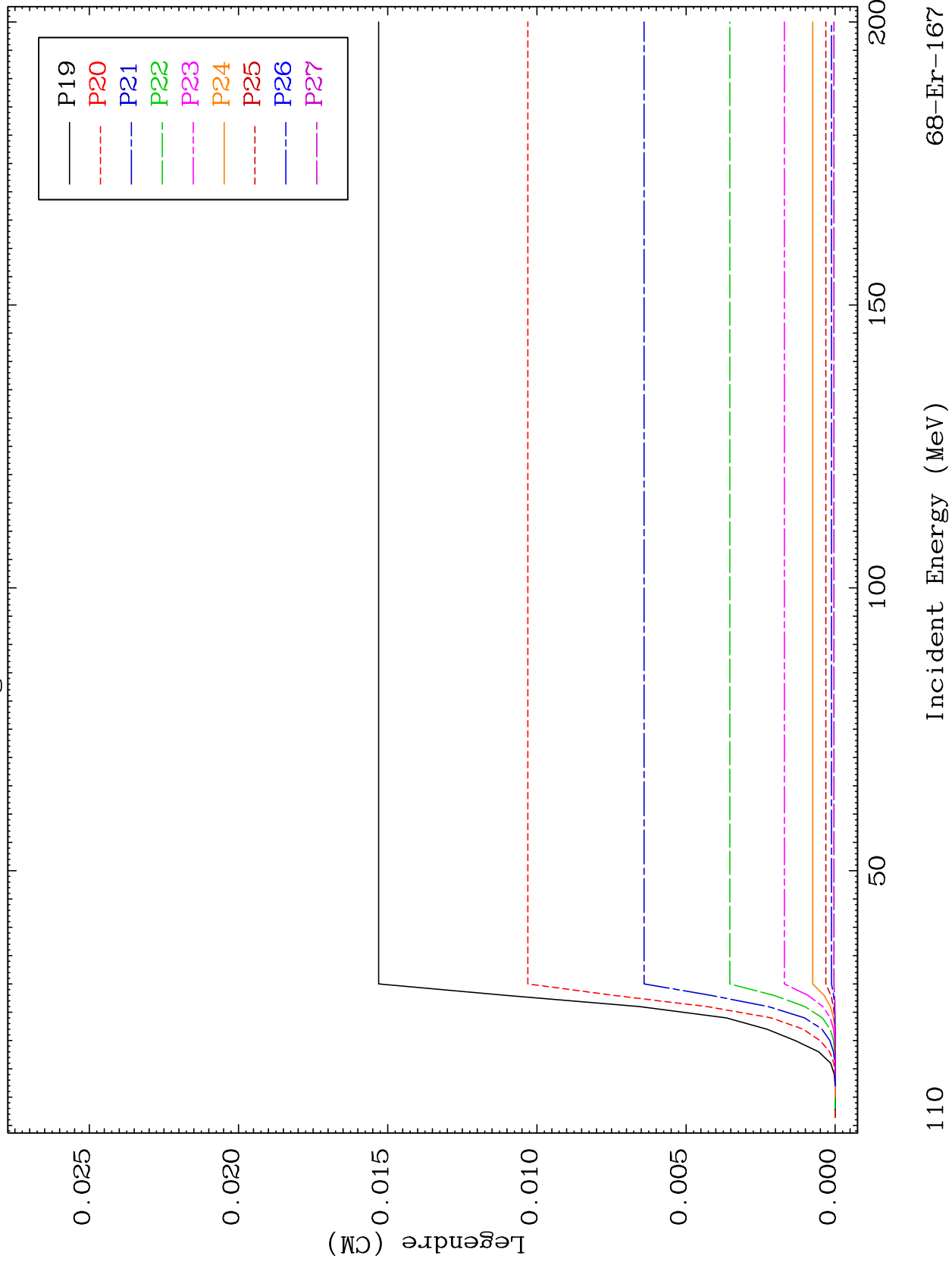
68-Er-167



MAT 6840

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

68-Er-167



110

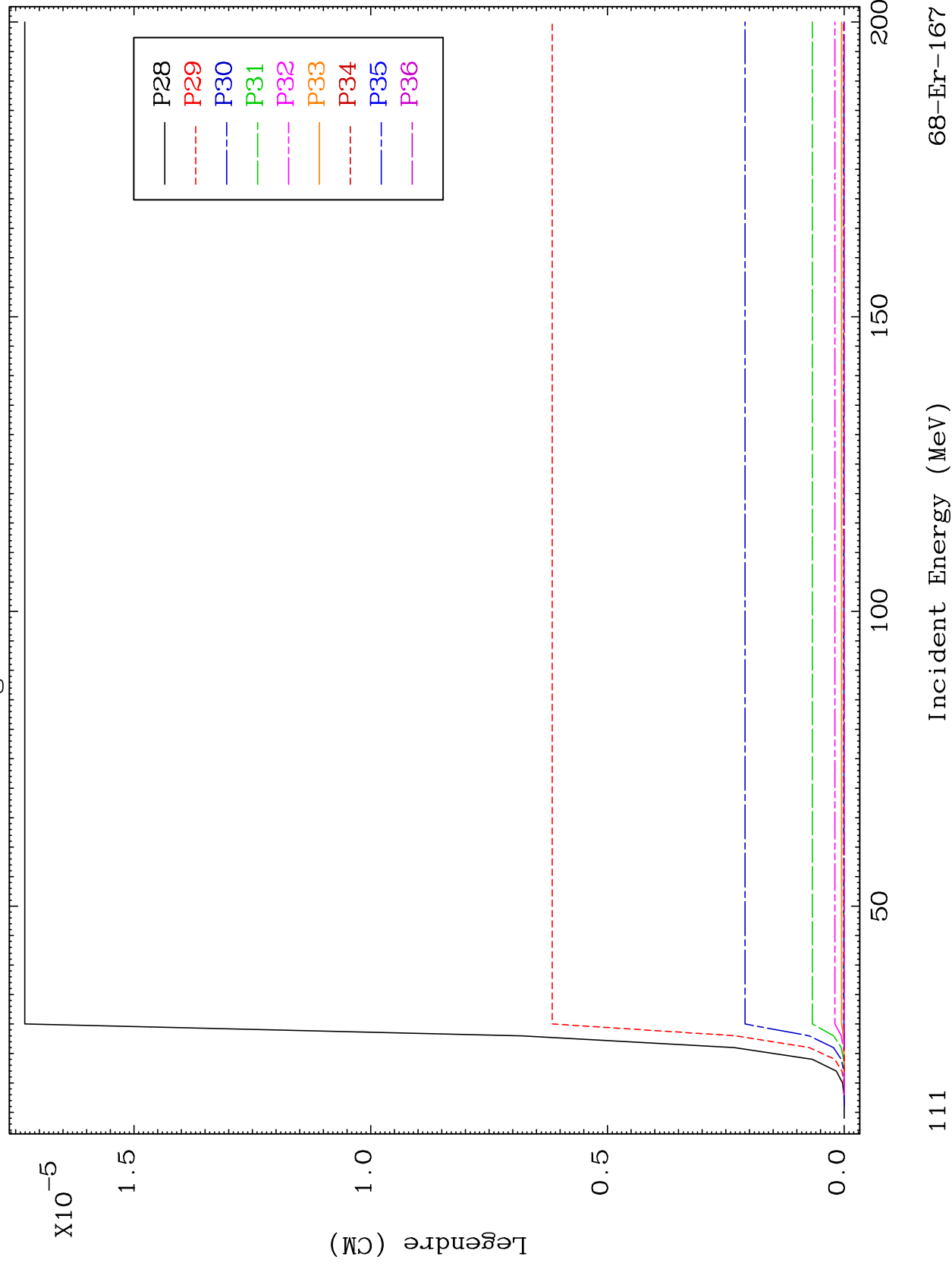
Incident Energy (MeV)

68-Er-167

MAT 6840

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

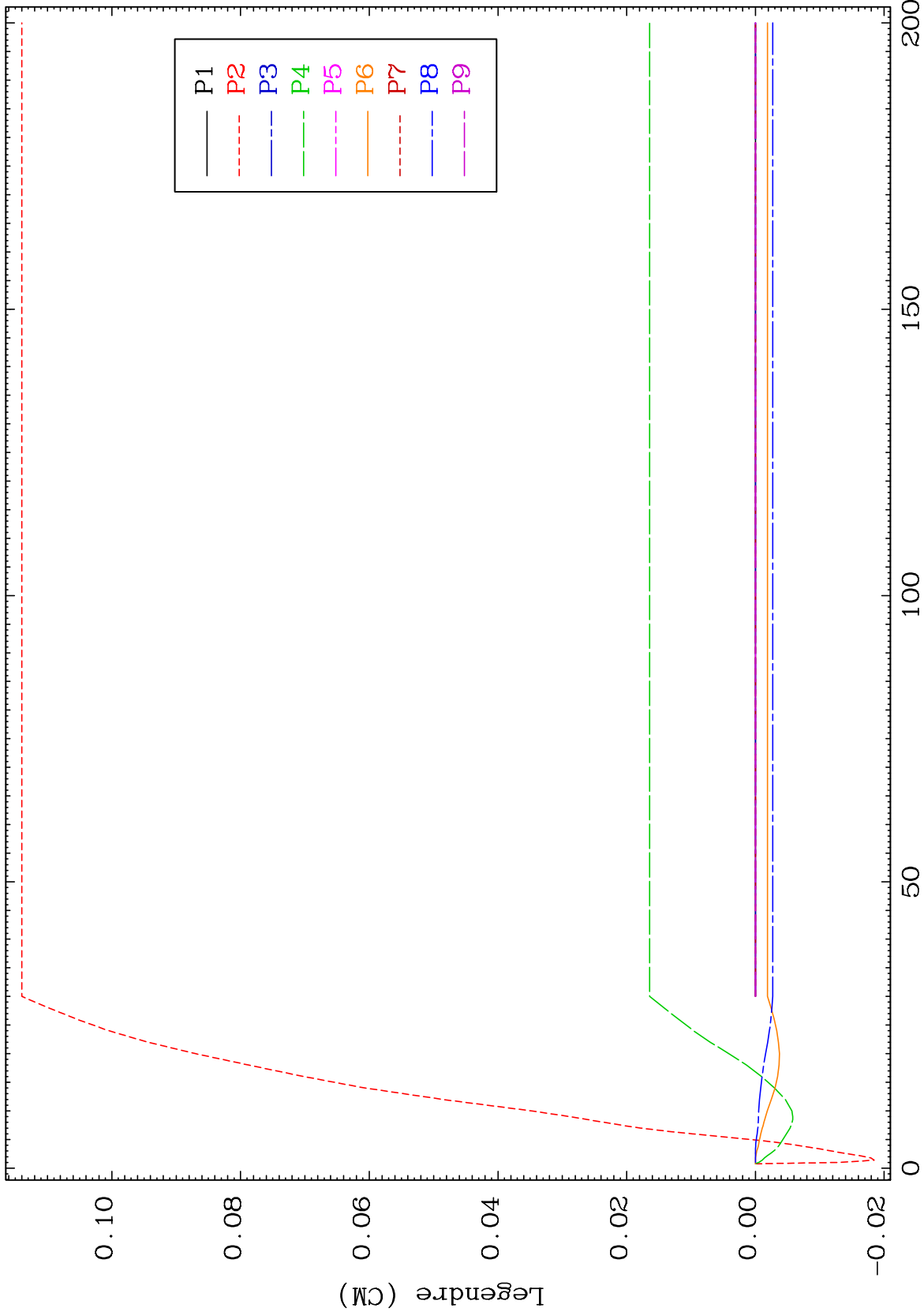
68-Er-167



MAT 6840

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

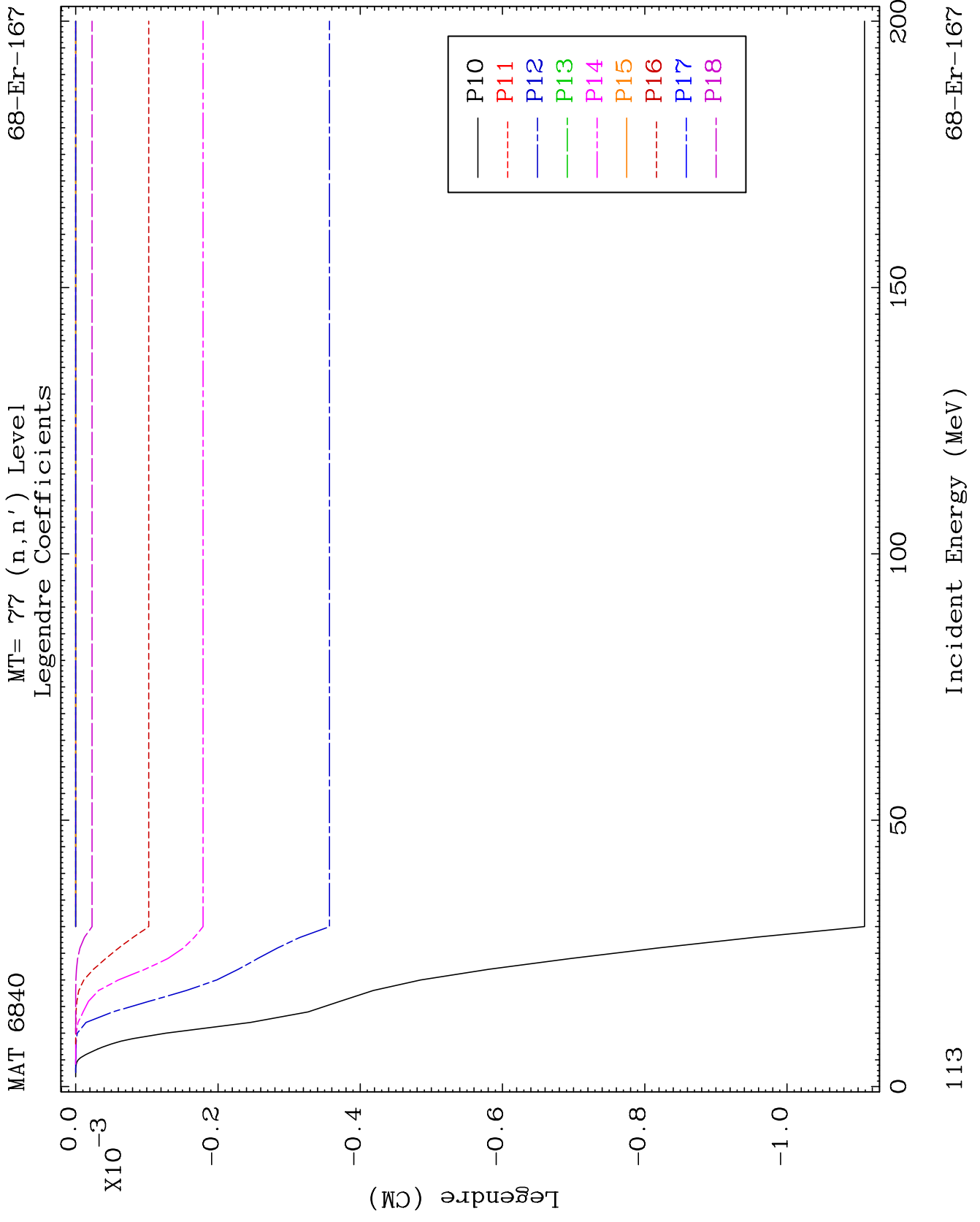
68-Er-167

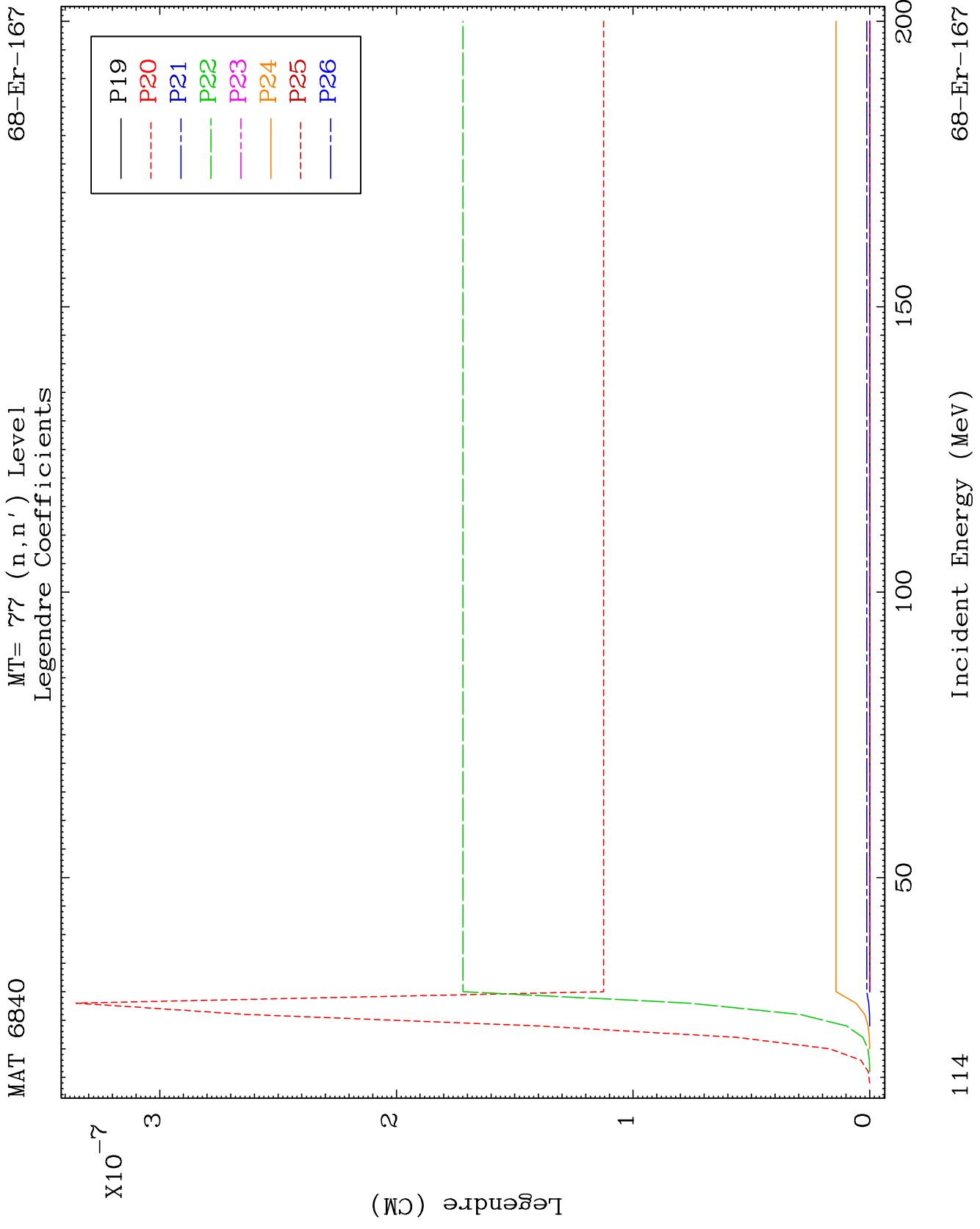


112

Incident Energy (MeV)

68-Er-167



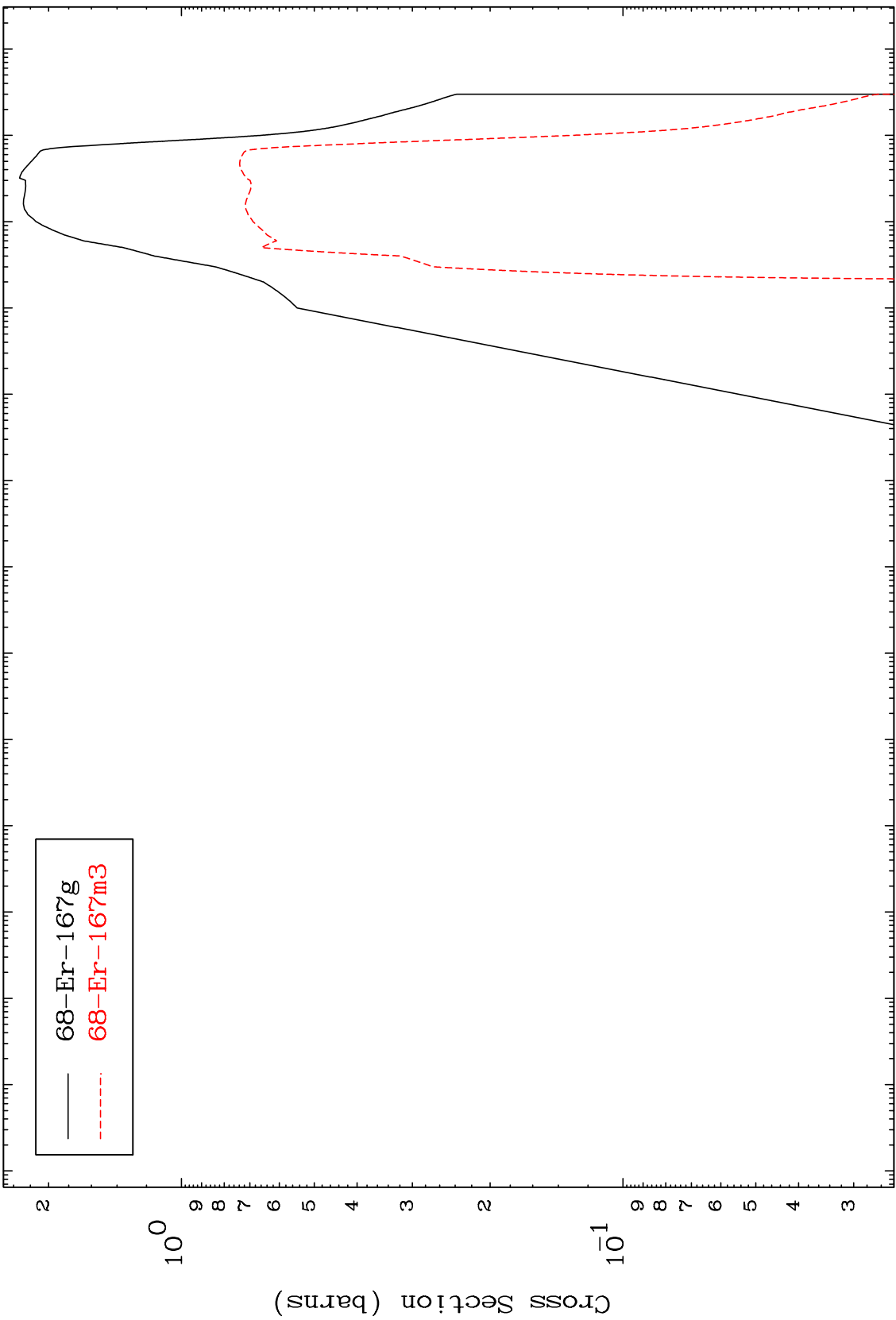
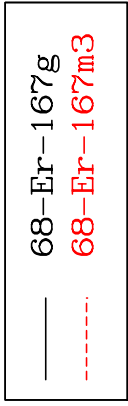


MAT 6840

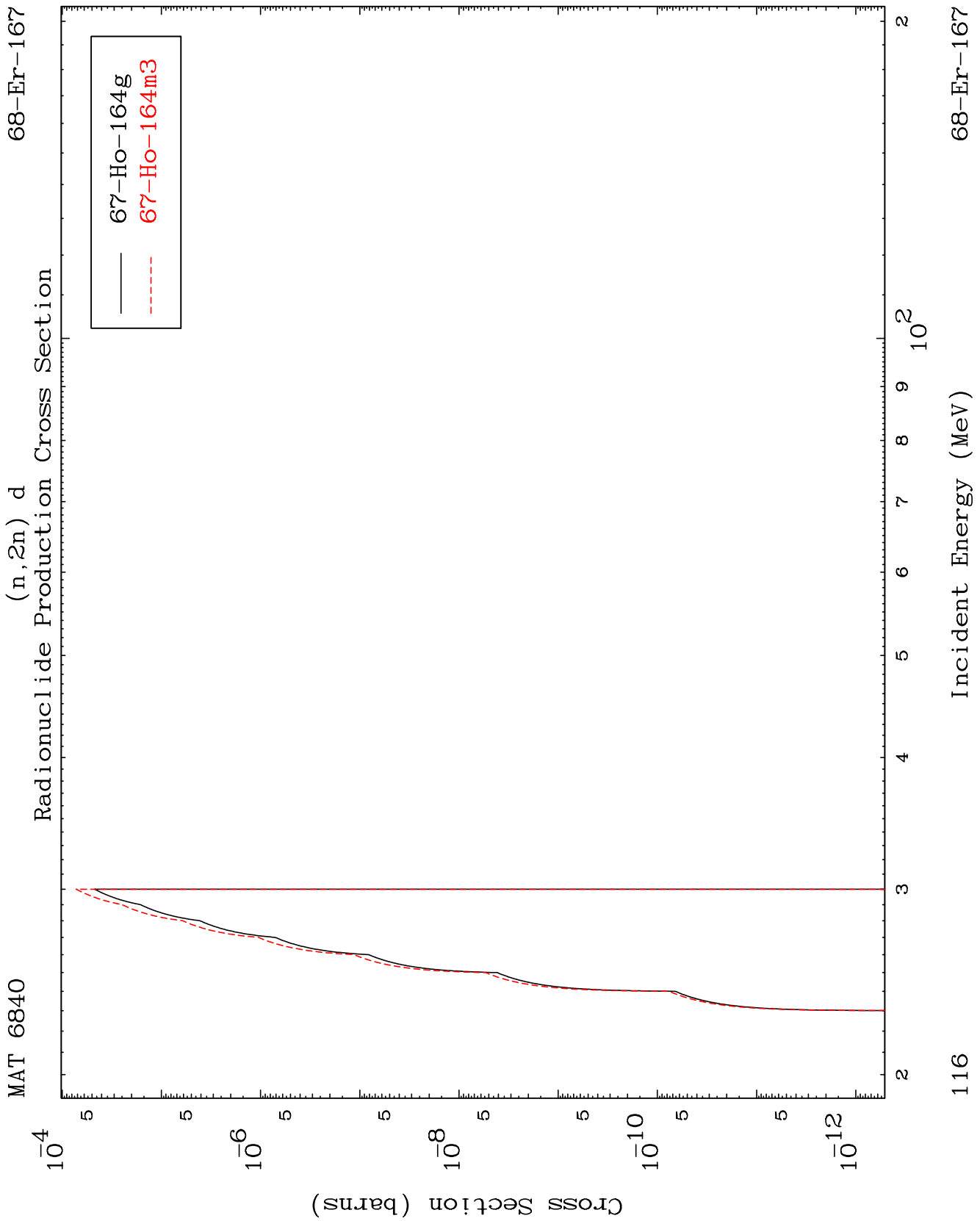
Inelastic

68-Er-167

Radionuclide Production Cross Section



68-Er-167

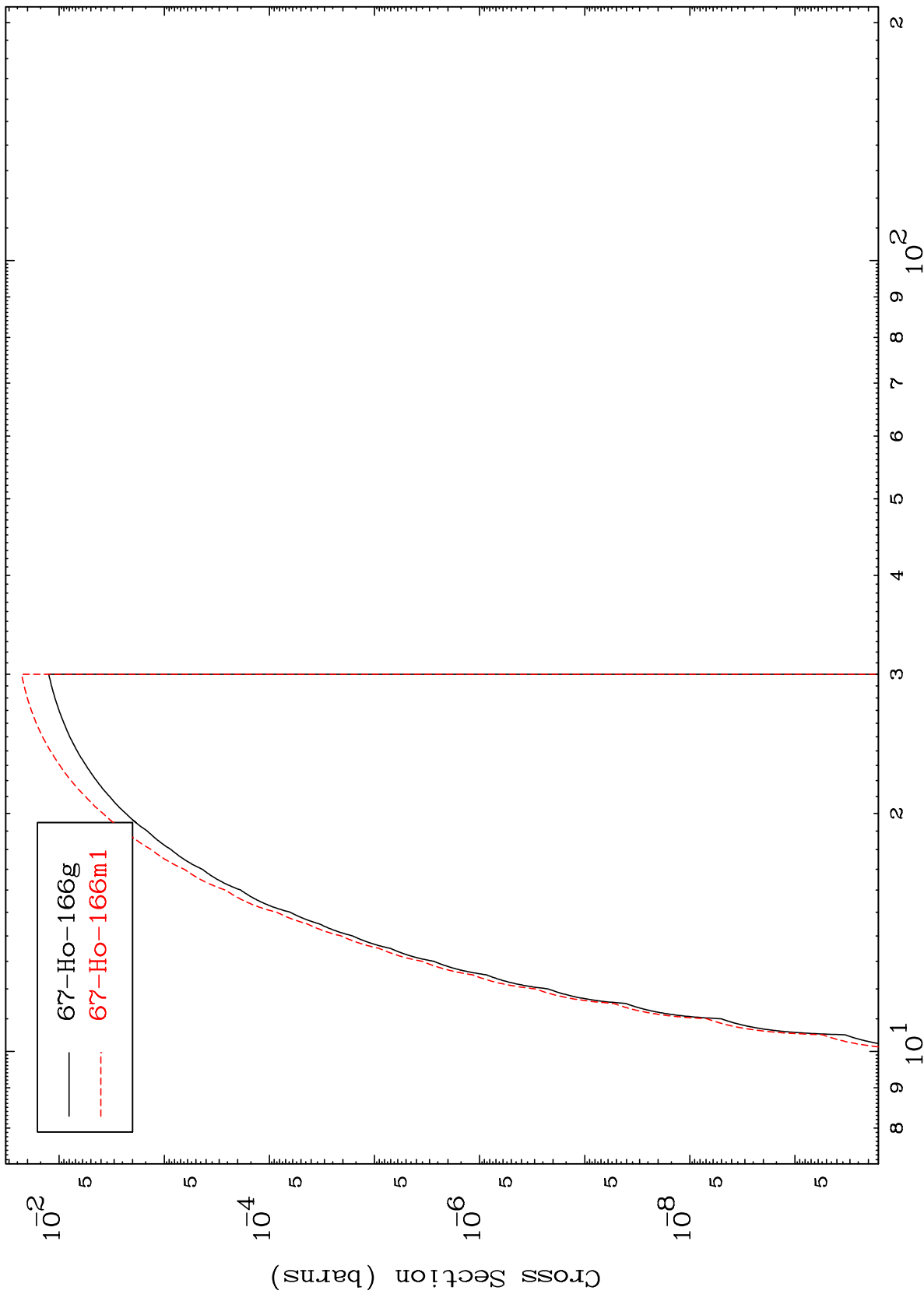


MAT 6840

(n,n') p

68-Er-167

Radionuclide Production Cross Section

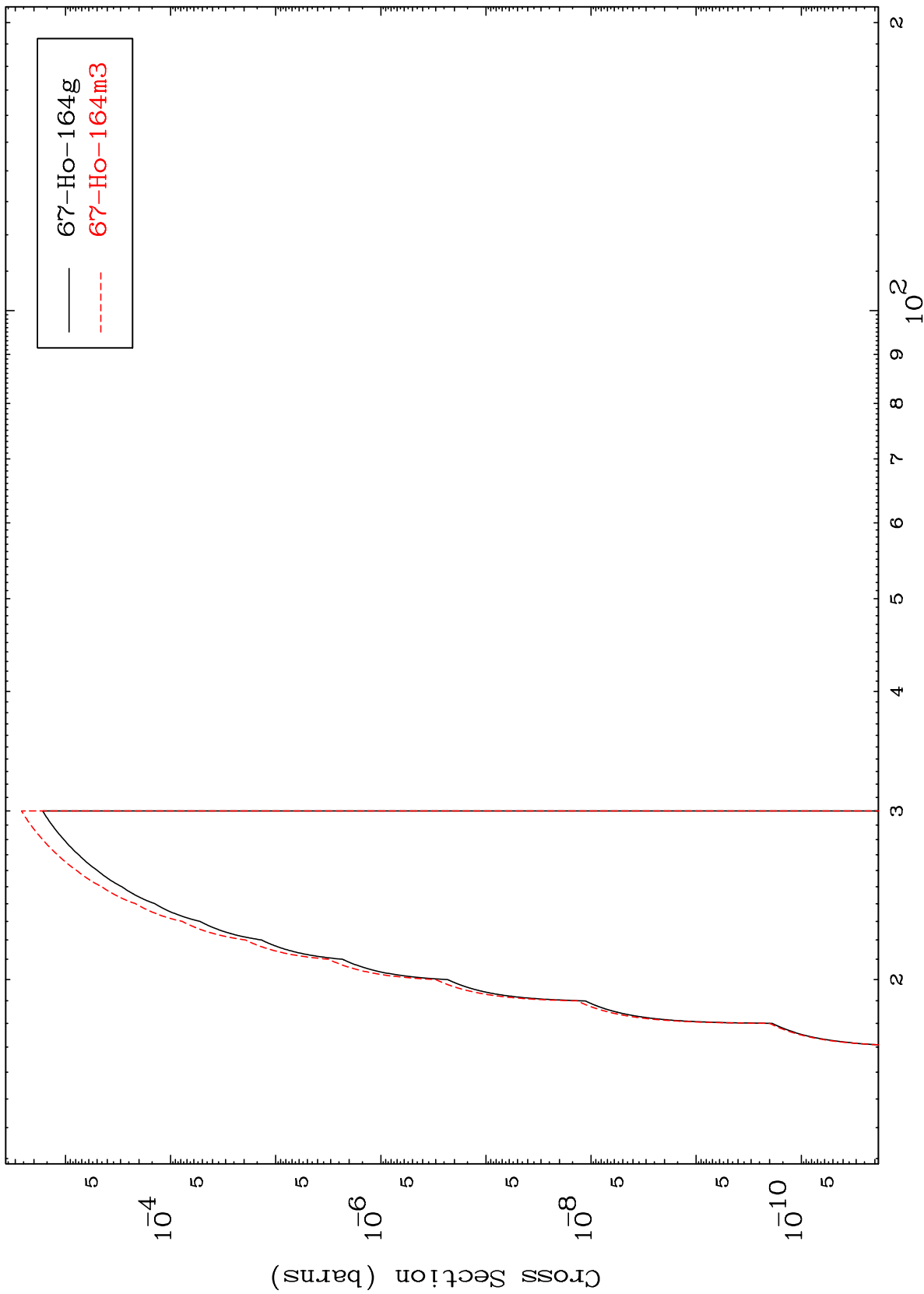


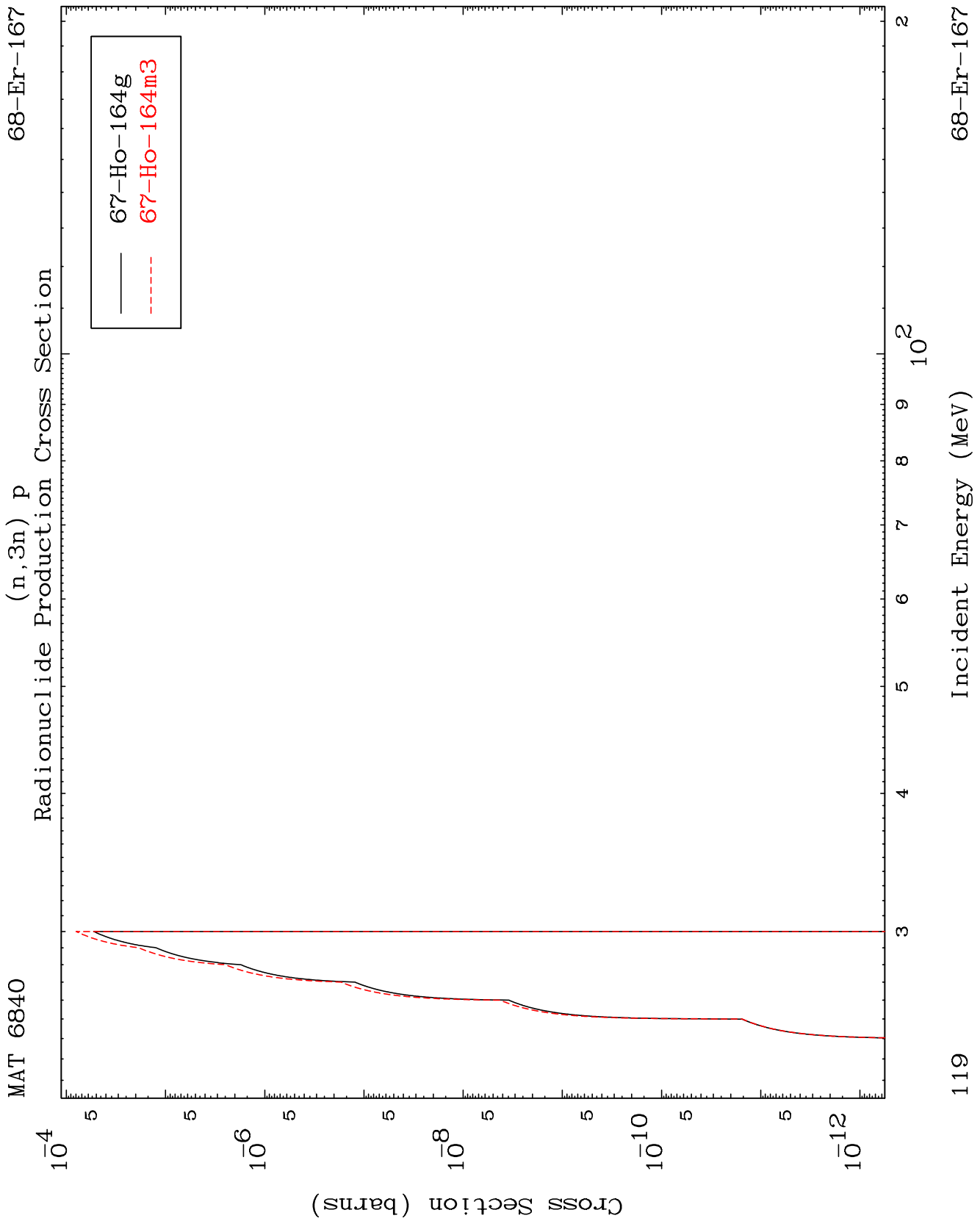
117

Incident Energy (MeV)

68-Er-167

Radionuclide Production Cross Section



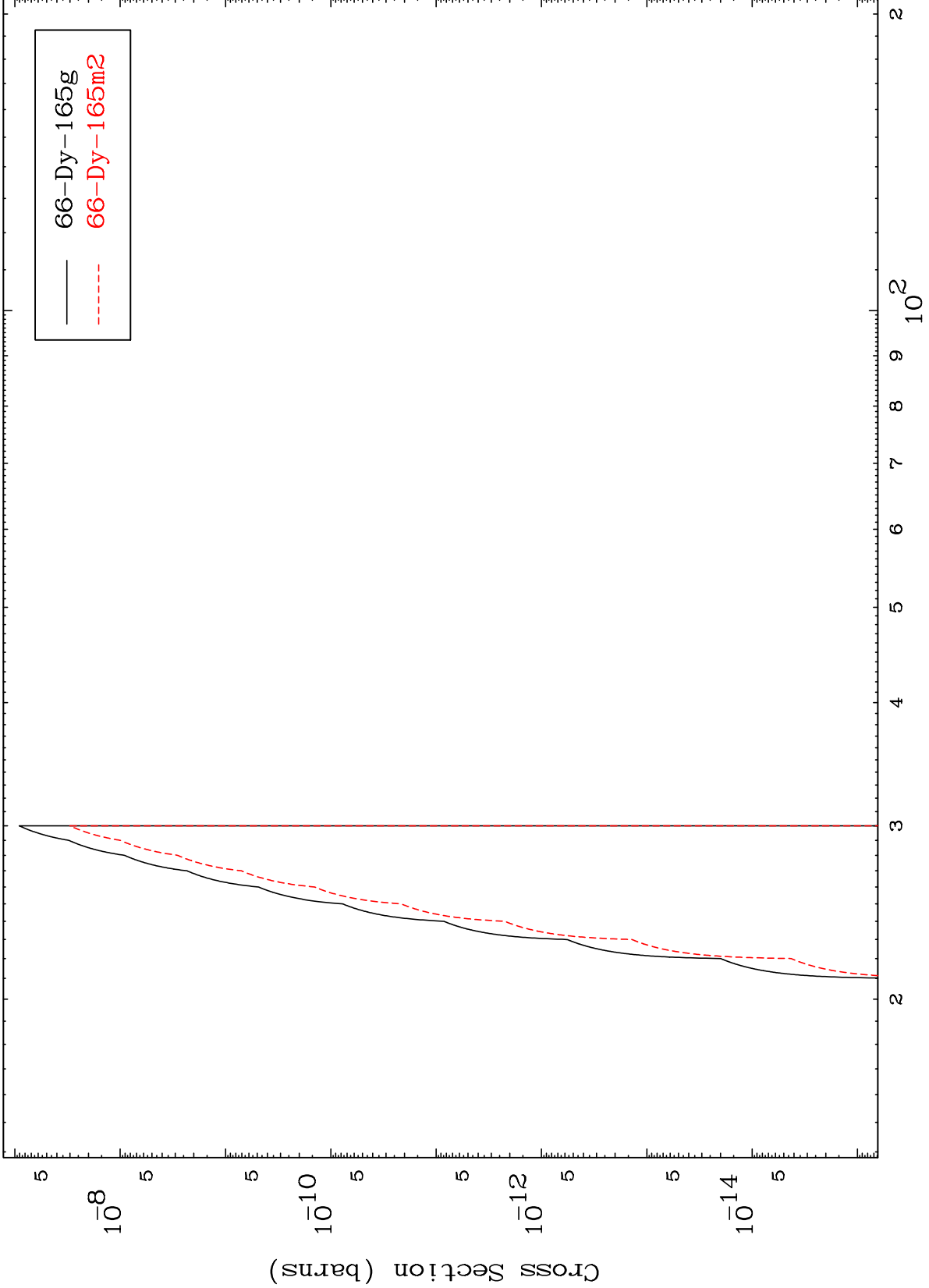


MAT 6840

(n,2n) p

68-Er-167

Radionuclide Production Cross Section



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

120

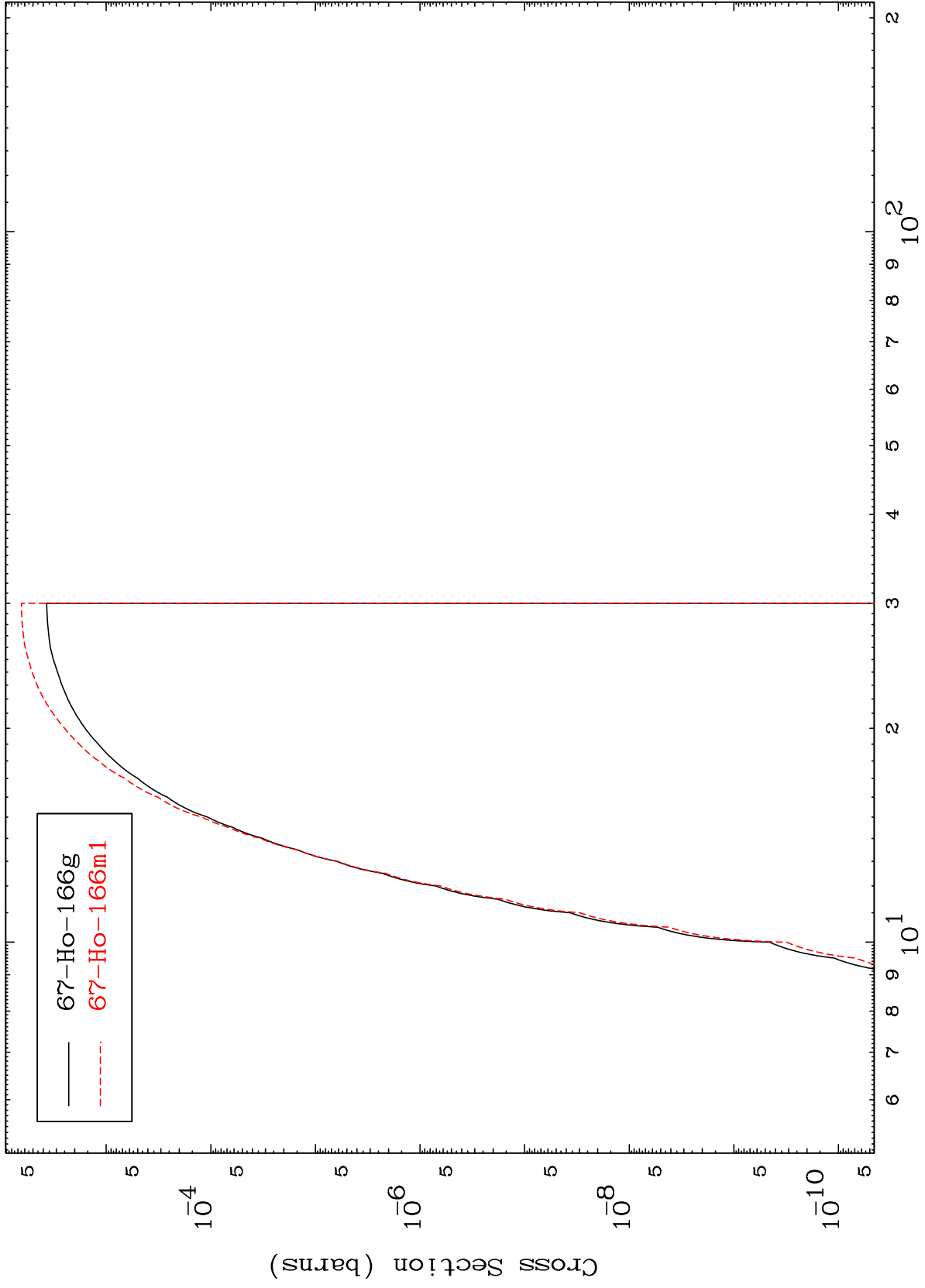
Incident Energy (MeV)

68-Er-167

MAT 6840

68-Er-167

(n,d)
Radionuclide Production Cross Section



121

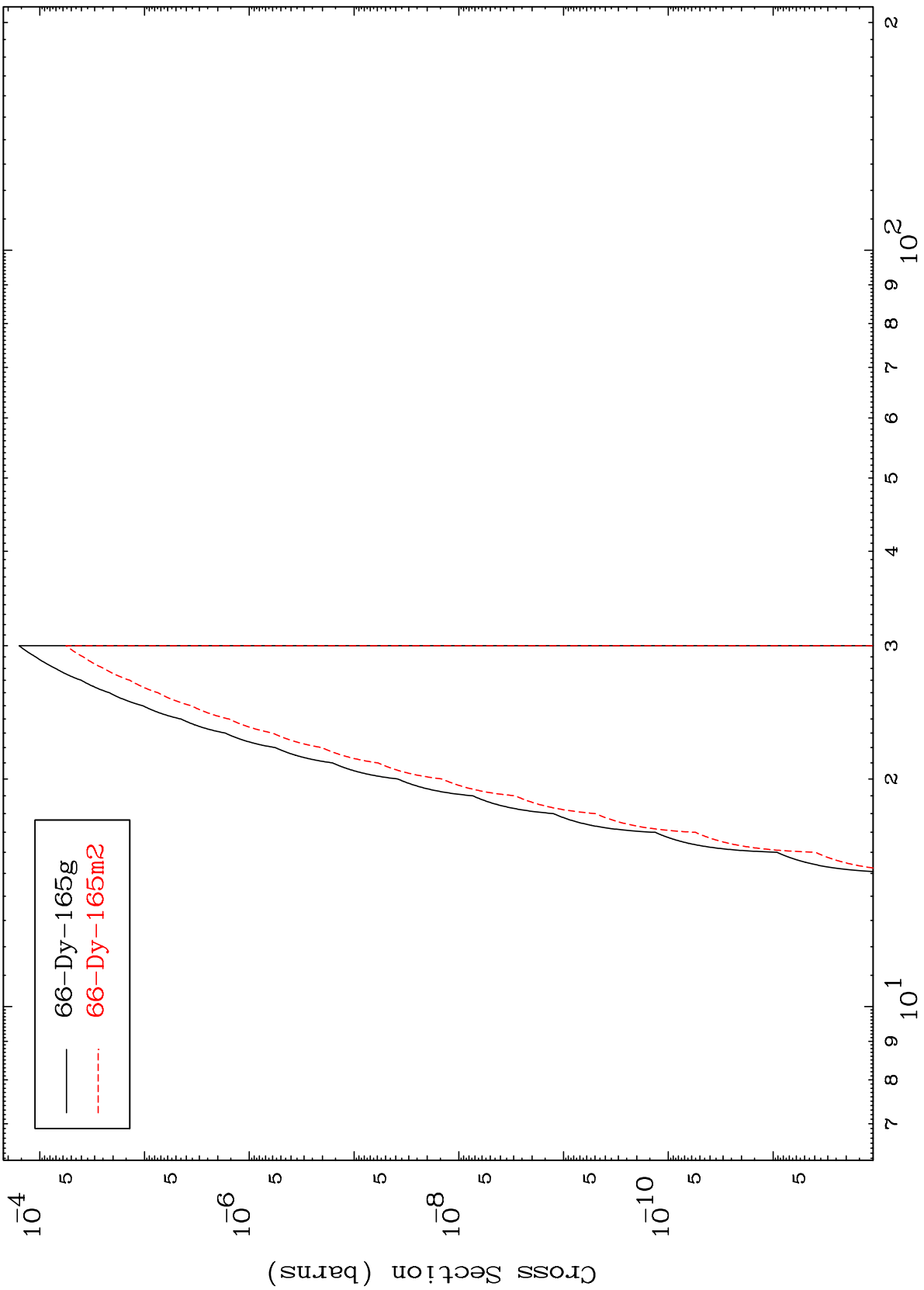
Incident Energy (MeV)

68-Er-167

MAT 6840

68-Er-167

Radionuclide Production Cross Section
(n,He-3)



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

122

Incident Energy (MeV)

68-Er-167