

Program EVALPLOT
(Version 2017-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail: redcullen1@comcast.net

Web: redcullen1.net/HOMEPAGE.NEW

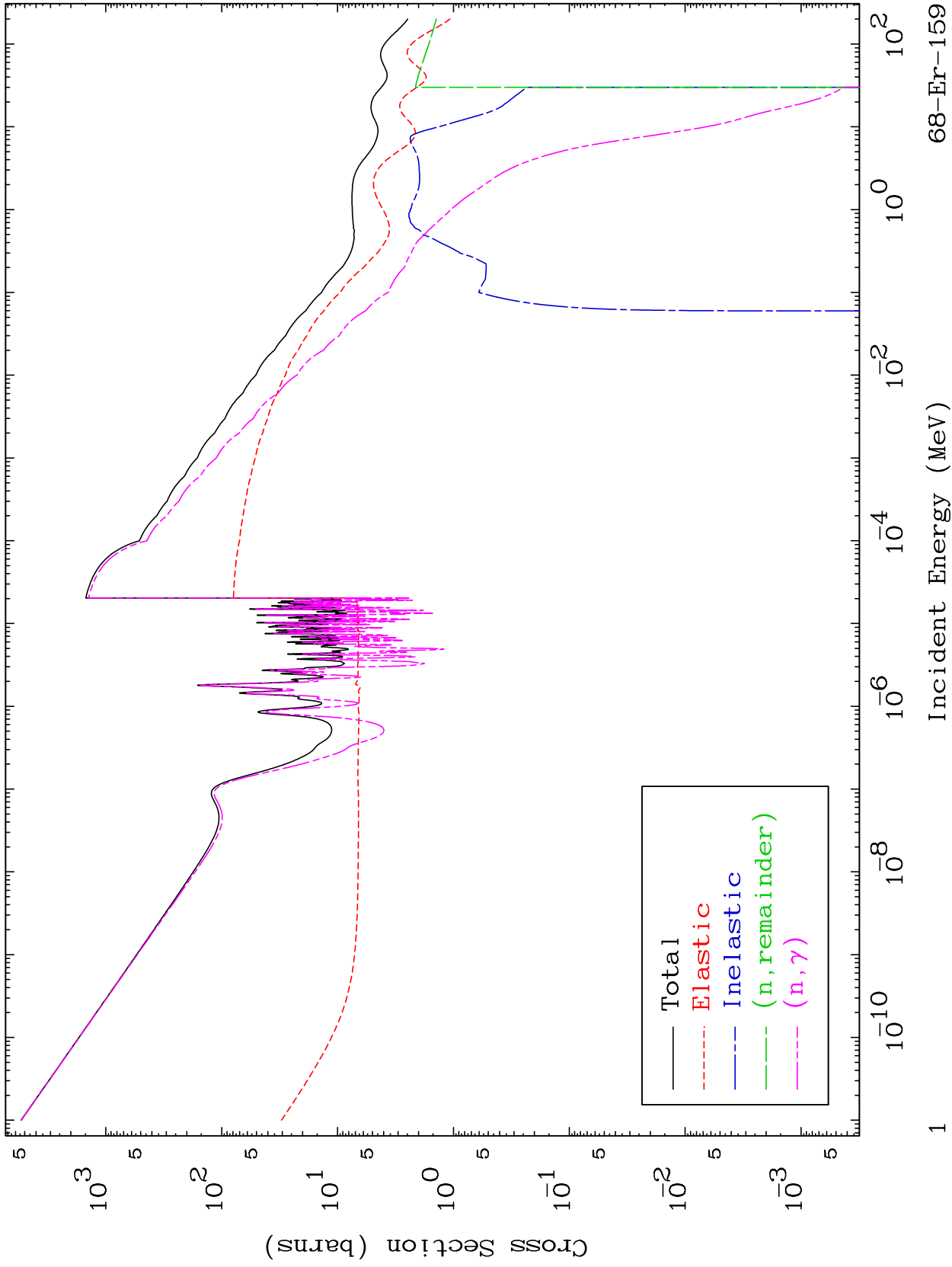
Press Mouse Button to Start

MAT 6816

Major

293 Kelvin Cross Sections

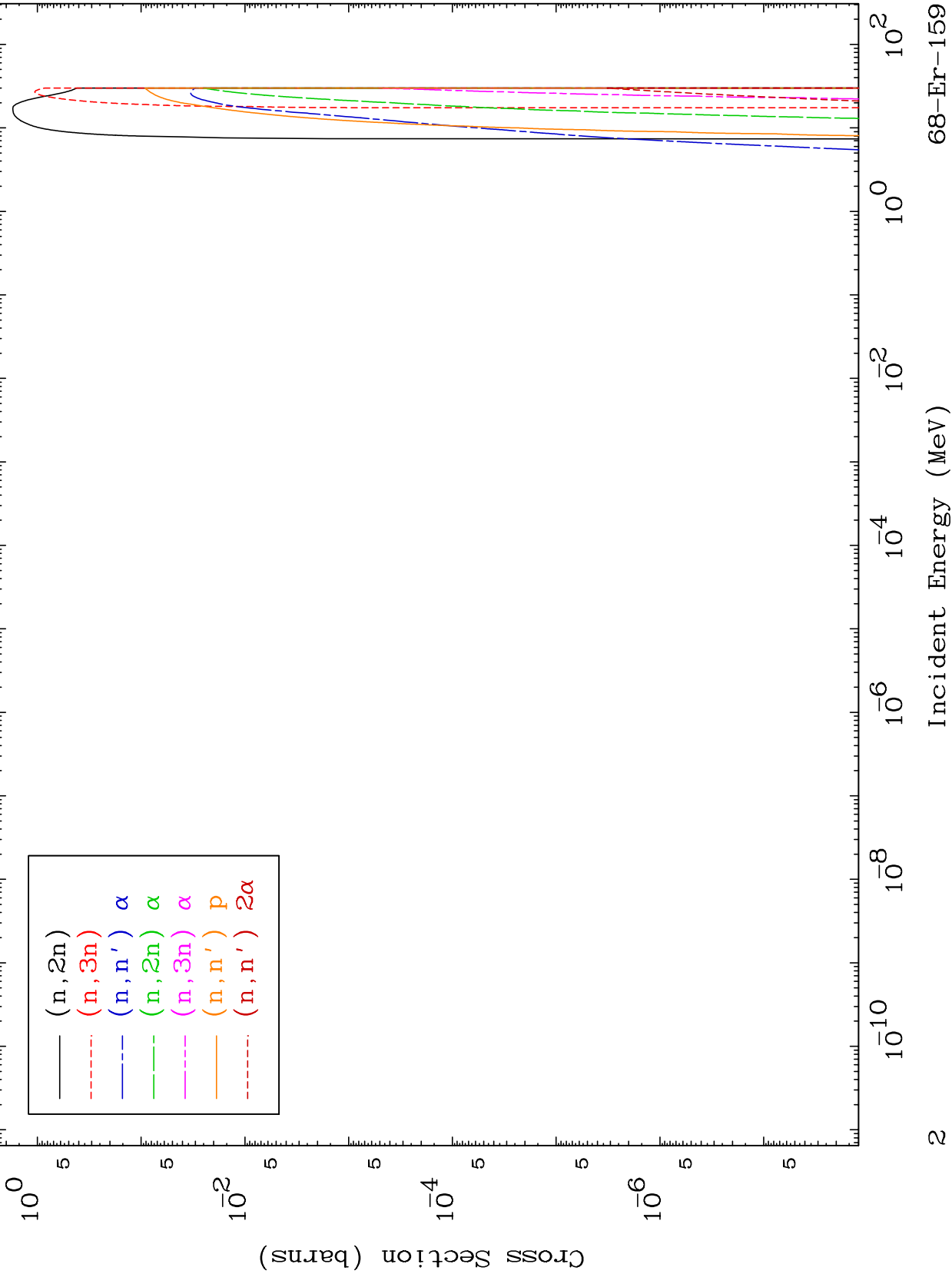
68-Er-159

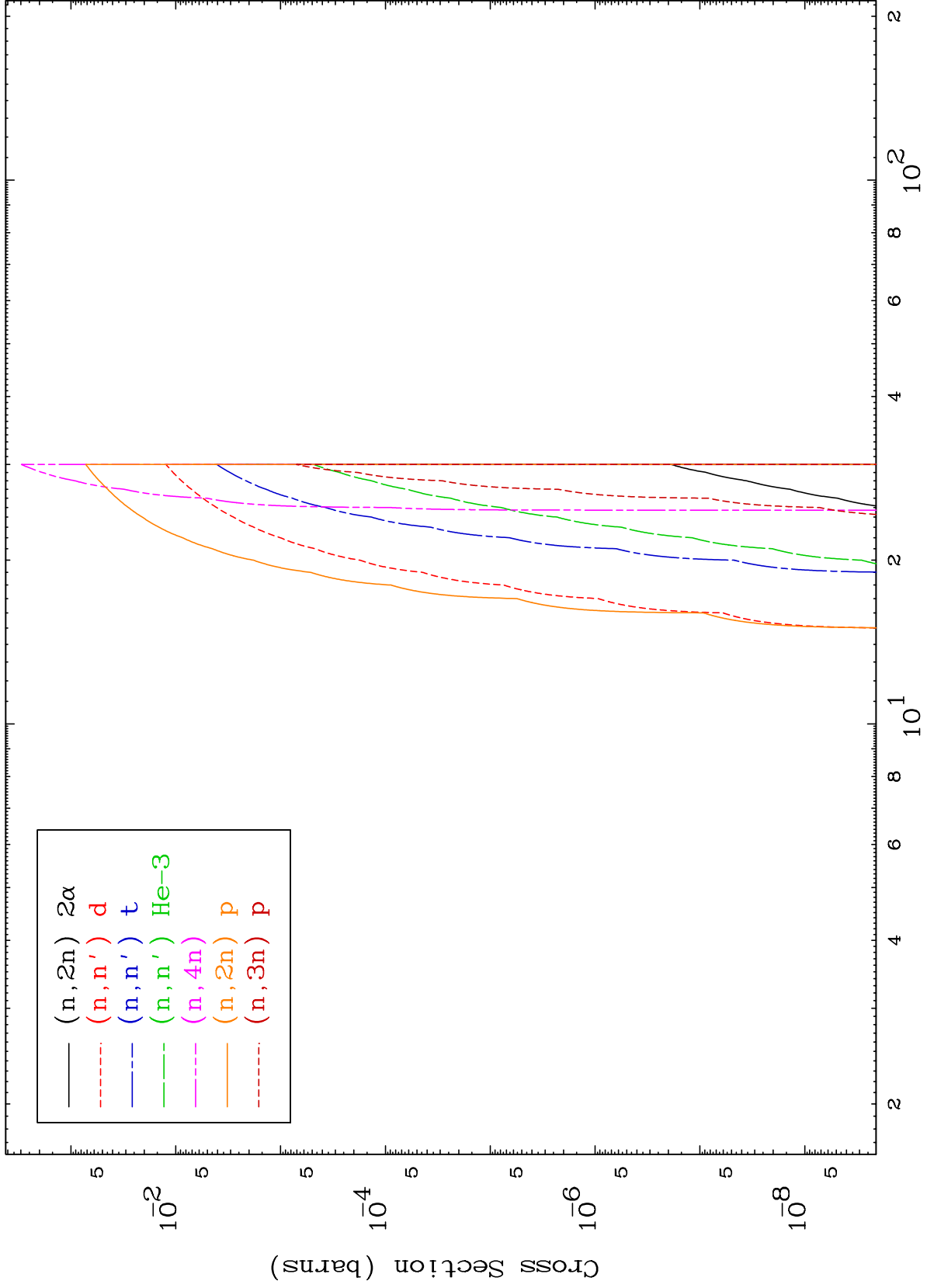


MAT 6816

Neutron Production
293 Kelvin Cross Sections

68-Er-159

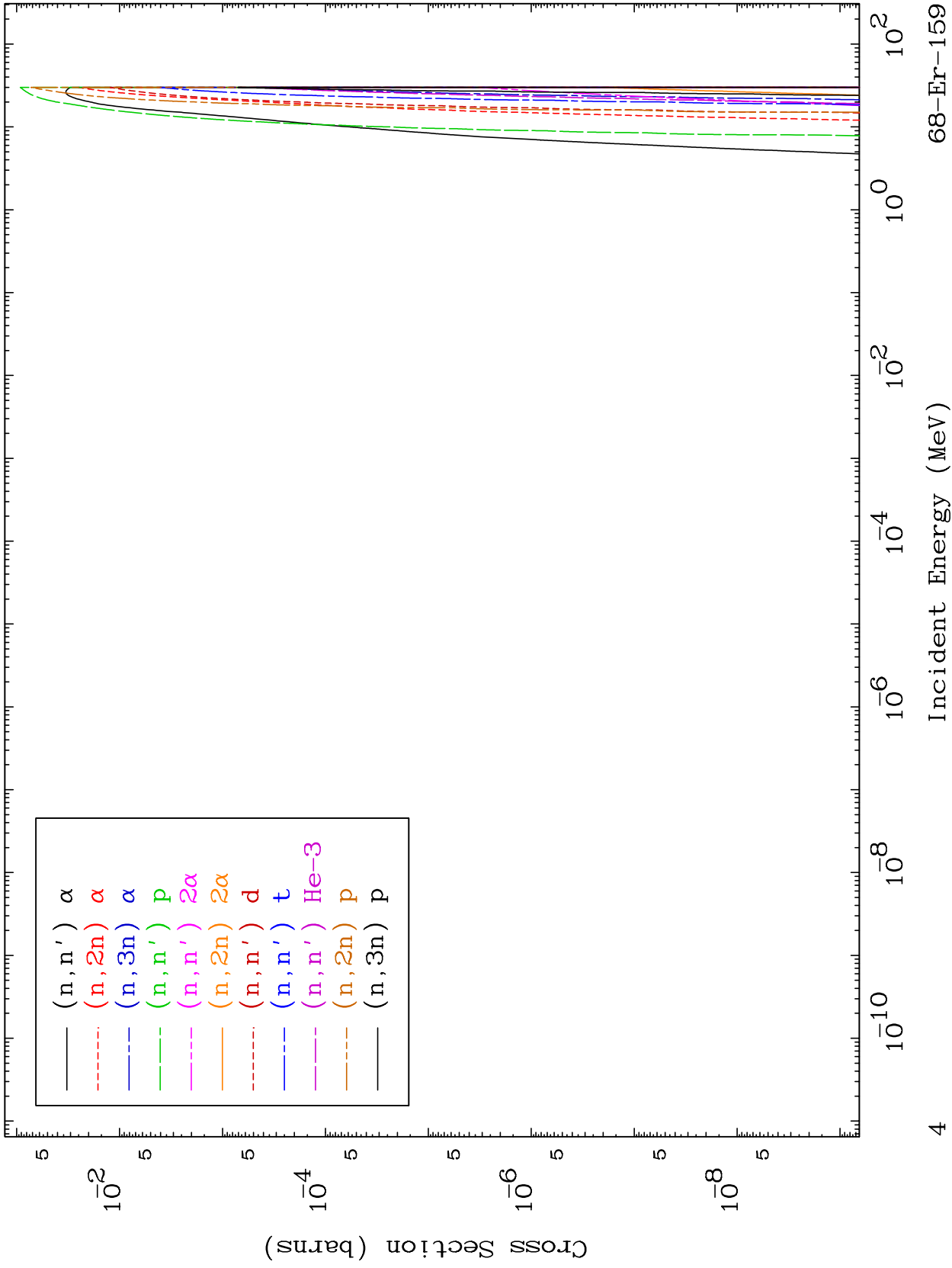


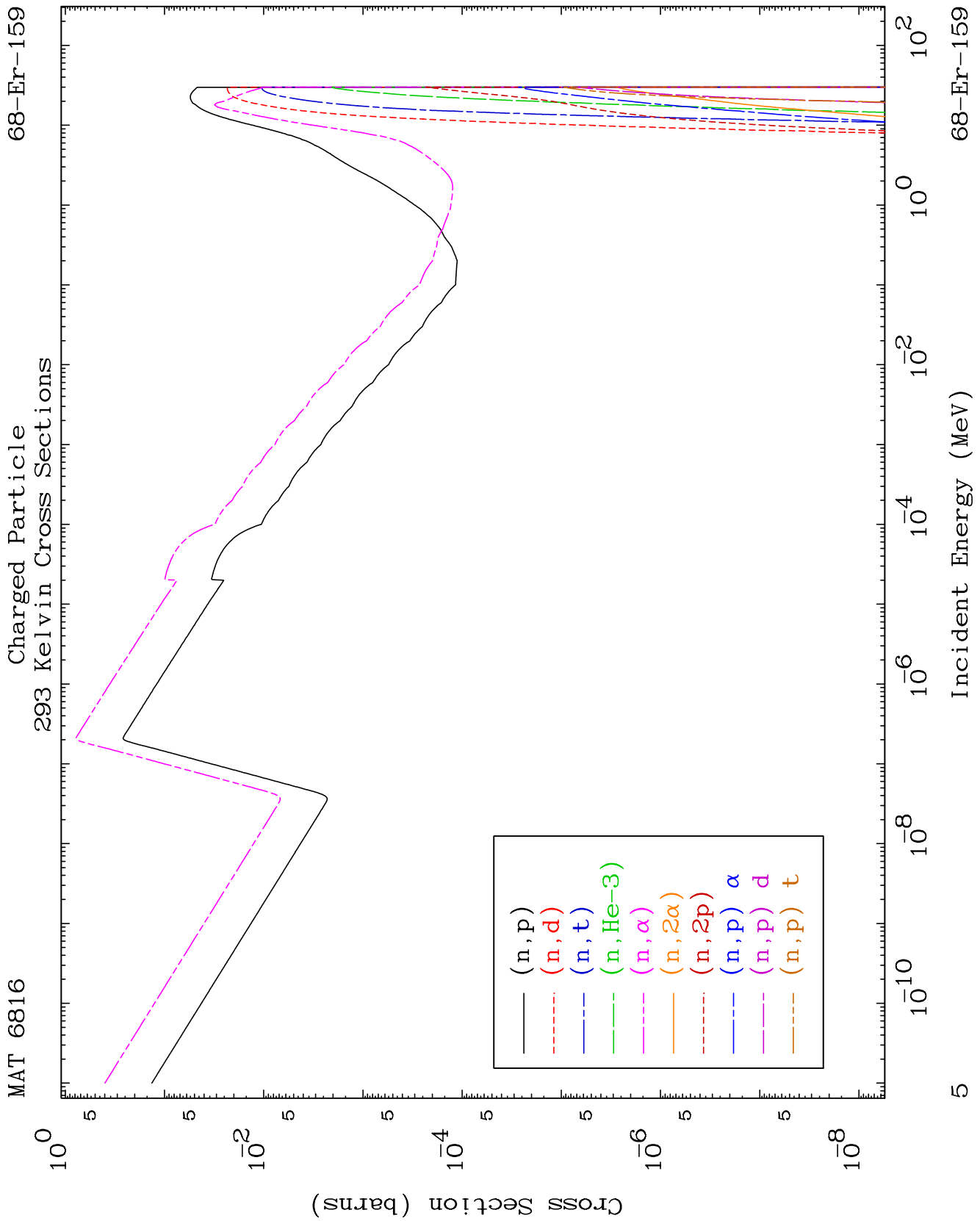


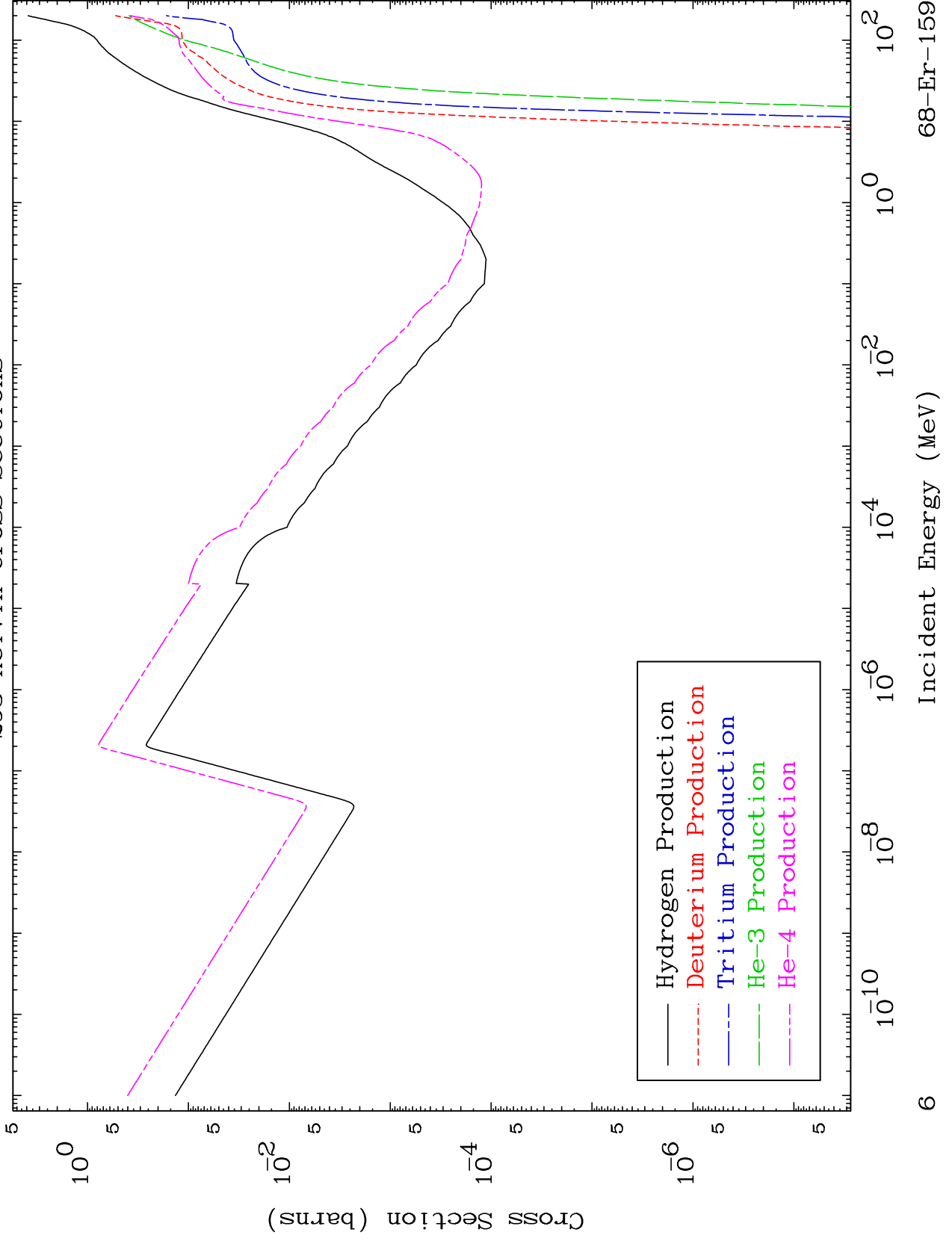
MAT 6816

Charged Particle
293 Kelvin Cross Sections

68-Er-159





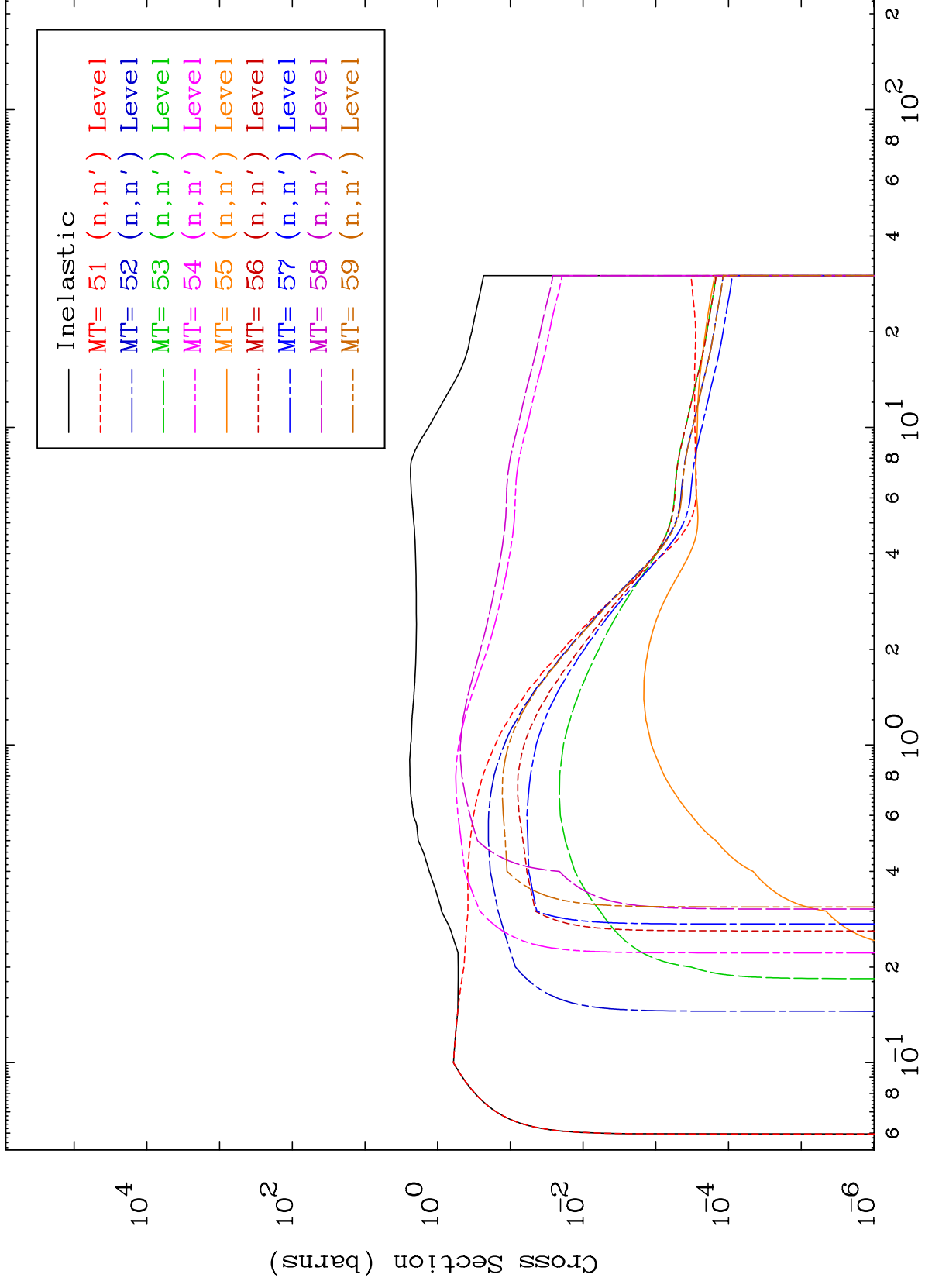


MAT 6816

(n,n') Level

68-Er-159

293 Kelvin Cross Sections



7

Incident Energy (MeV)

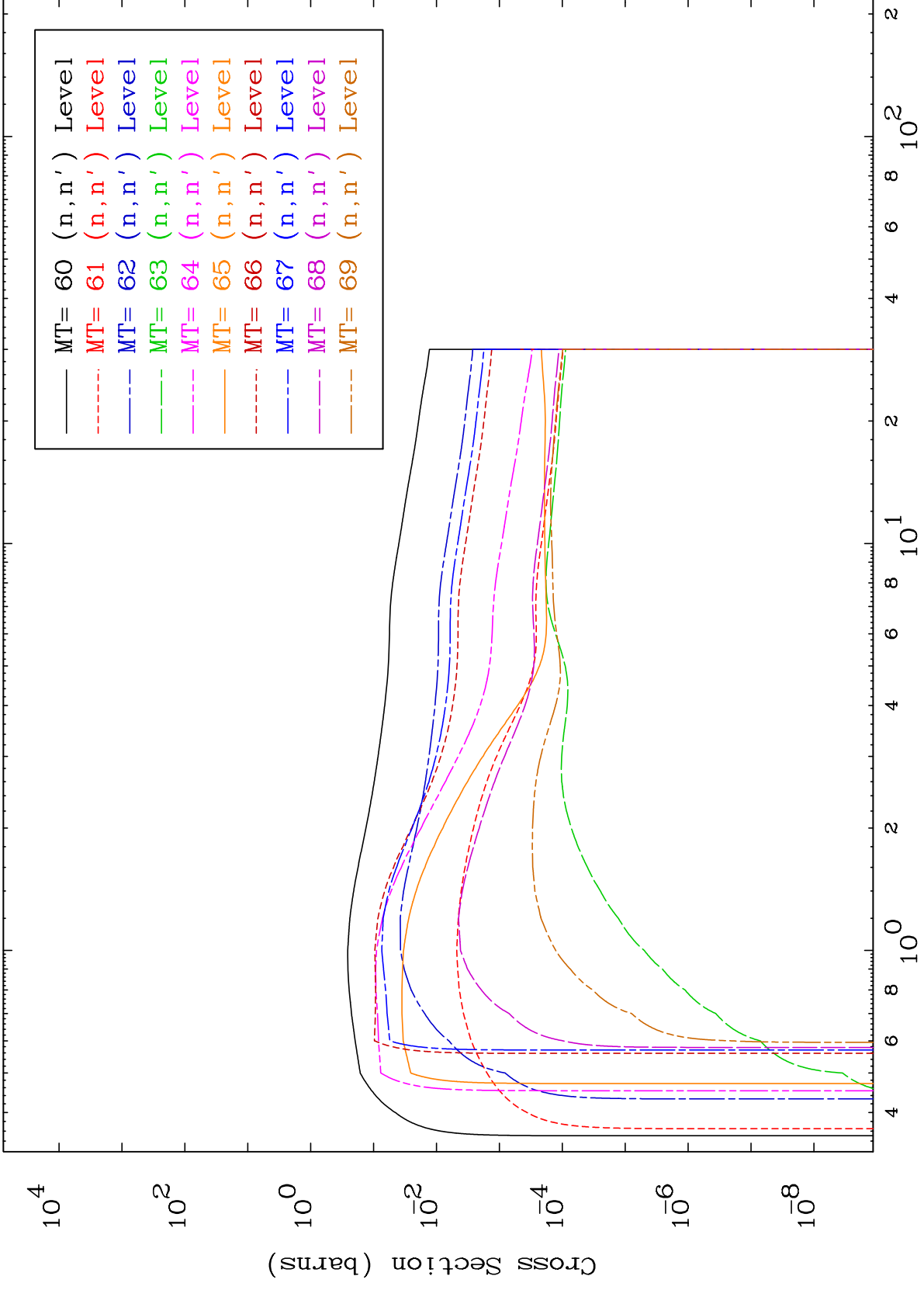
68-Er-159

MAT 6816

(n,n') Level

68-Er-159

293 Kelvin Cross Sections

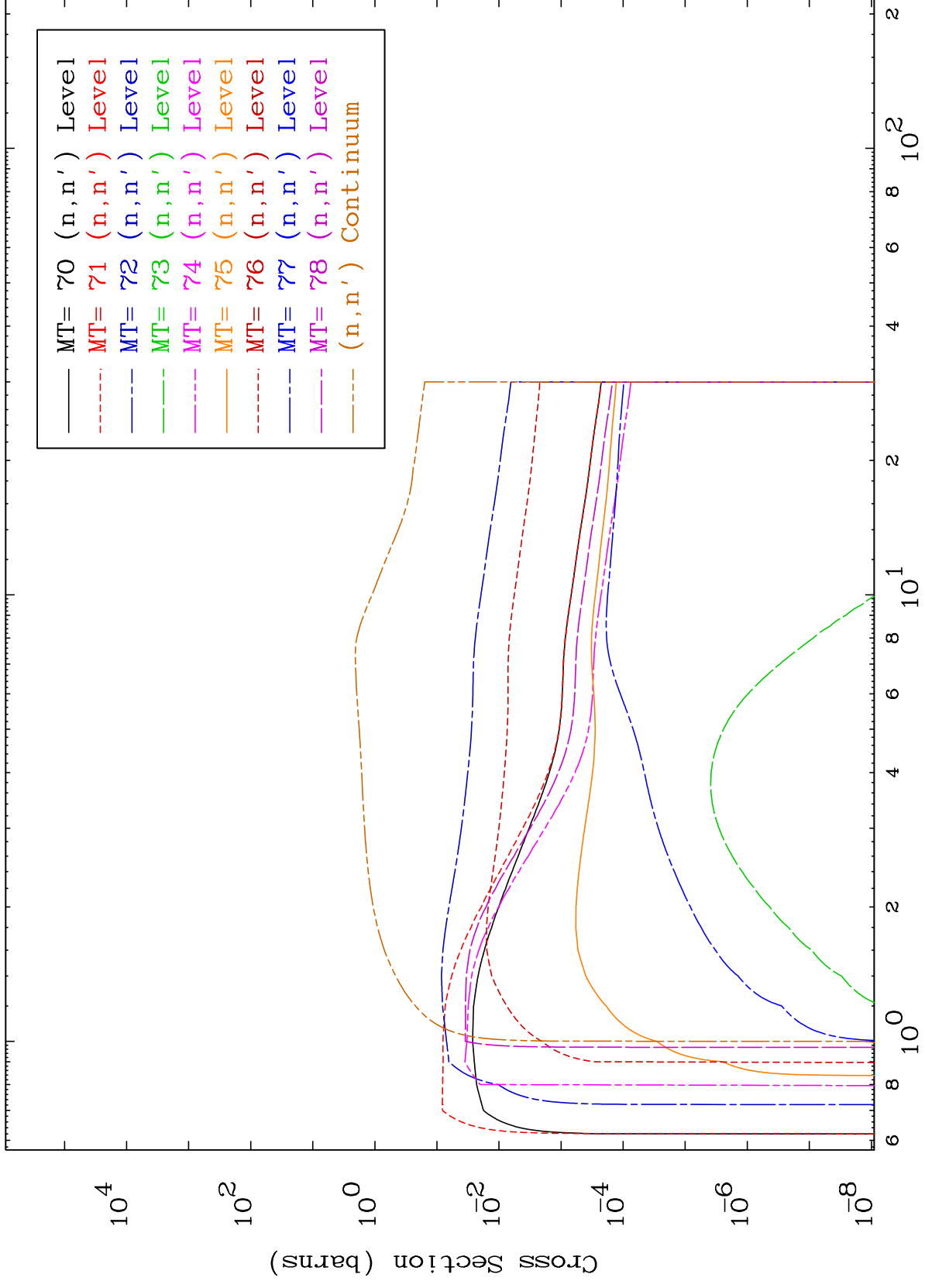


8

Incident Energy (MeV)

68-Er-159

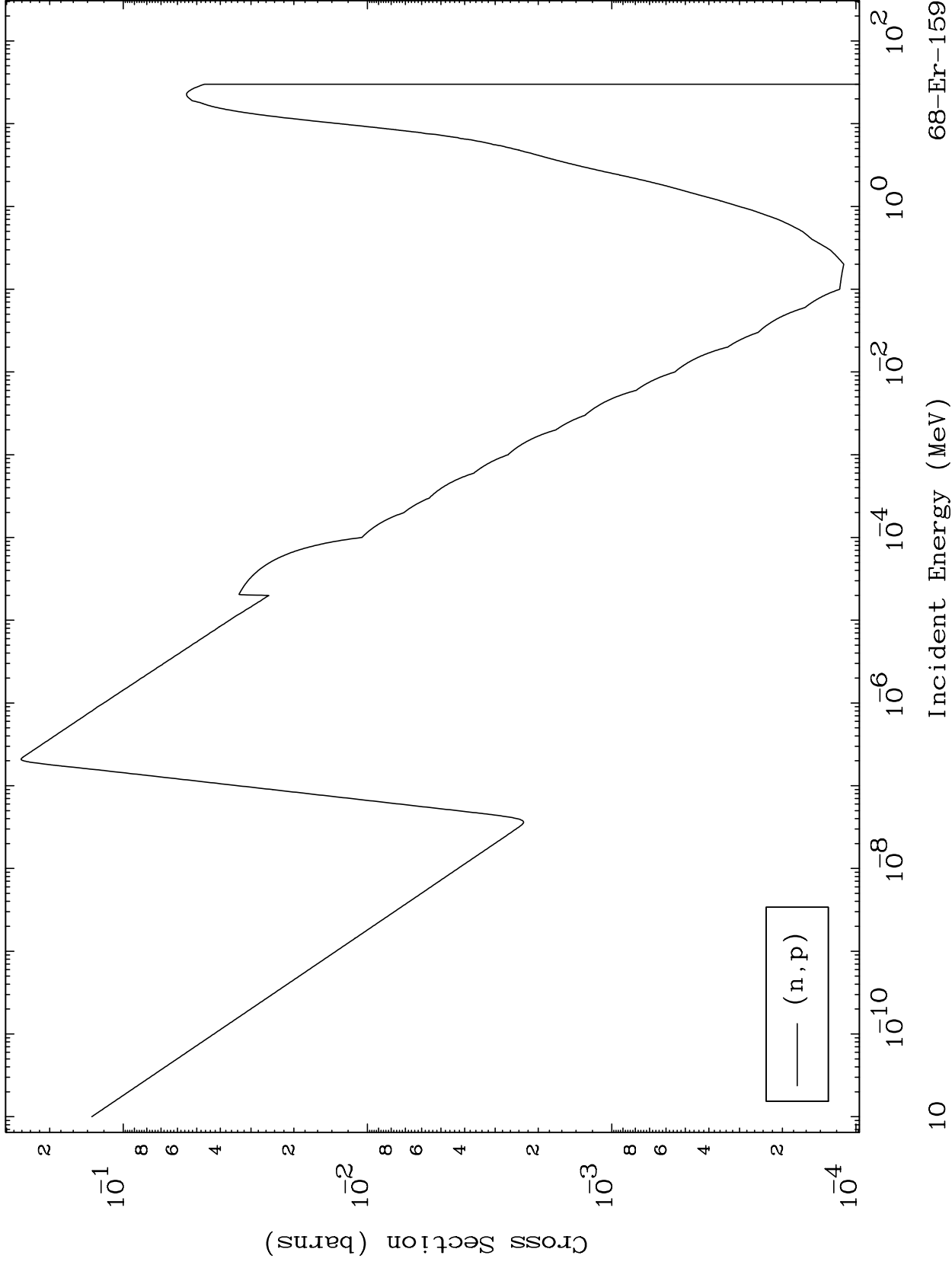
293 Kelvin Cross Sections



MAT 6816

(n,p) Levels
293 Kelvin Cross Sections

68-Er-159



10

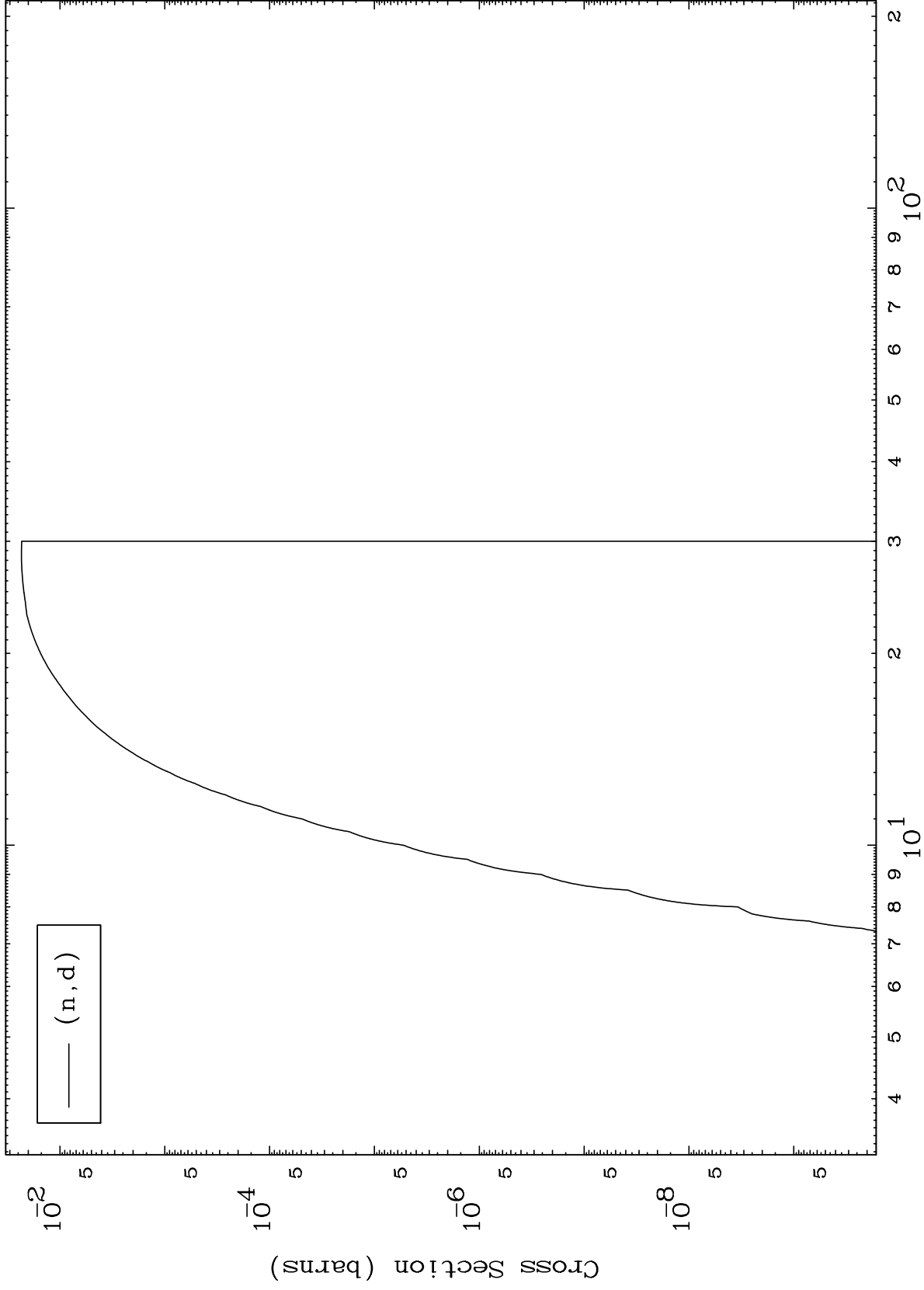
Incident Energy (MeV)

68-Er-159

MAT 6816

(n,d) Levels
293 Kelvin Cross Sections

68-Er-159



11

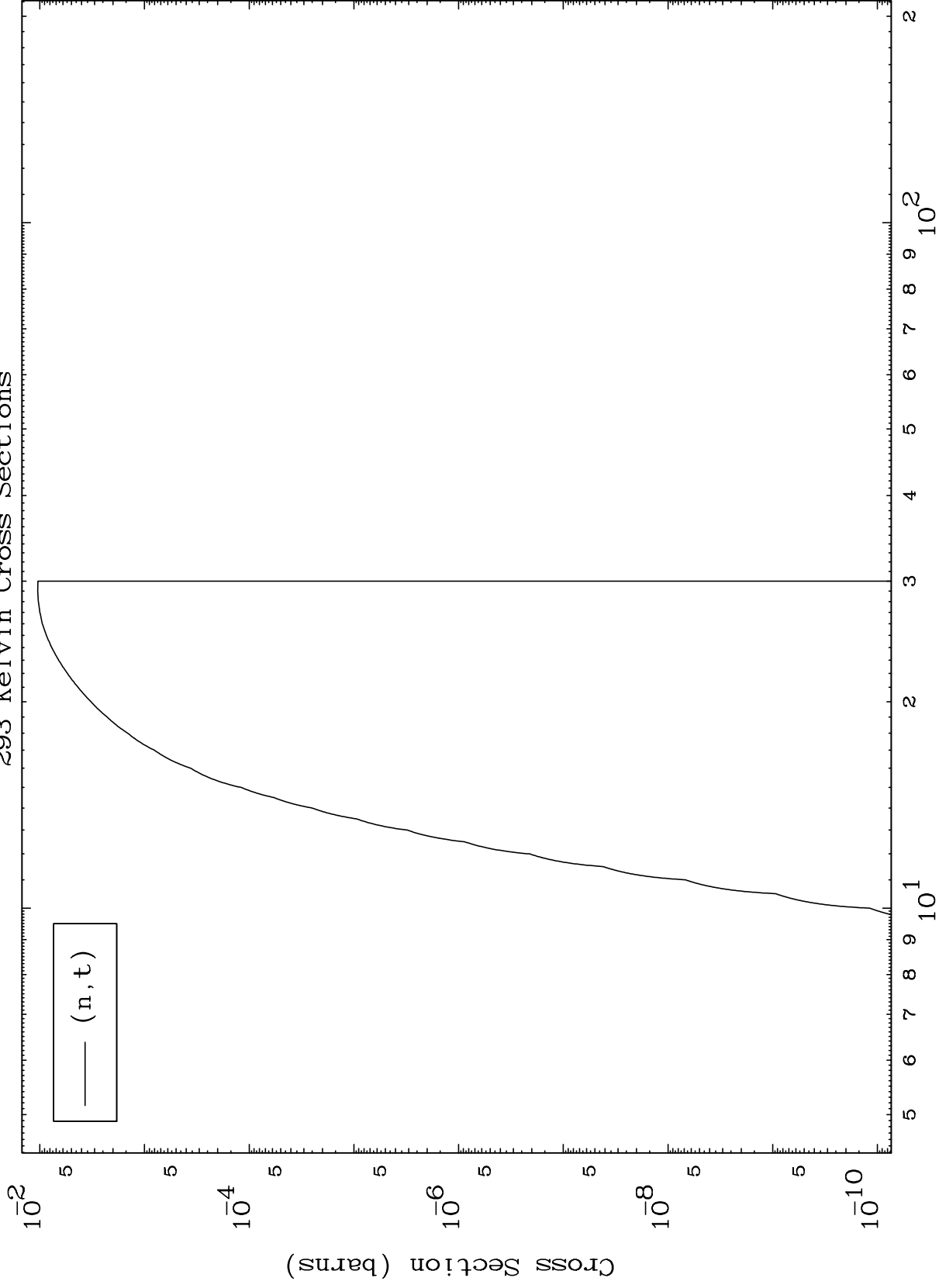
Incident Energy (MeV)

68-Er-159

MAT 6816

(n,t) Levels
293 Kelvin Cross Sections

68-Er-159



12

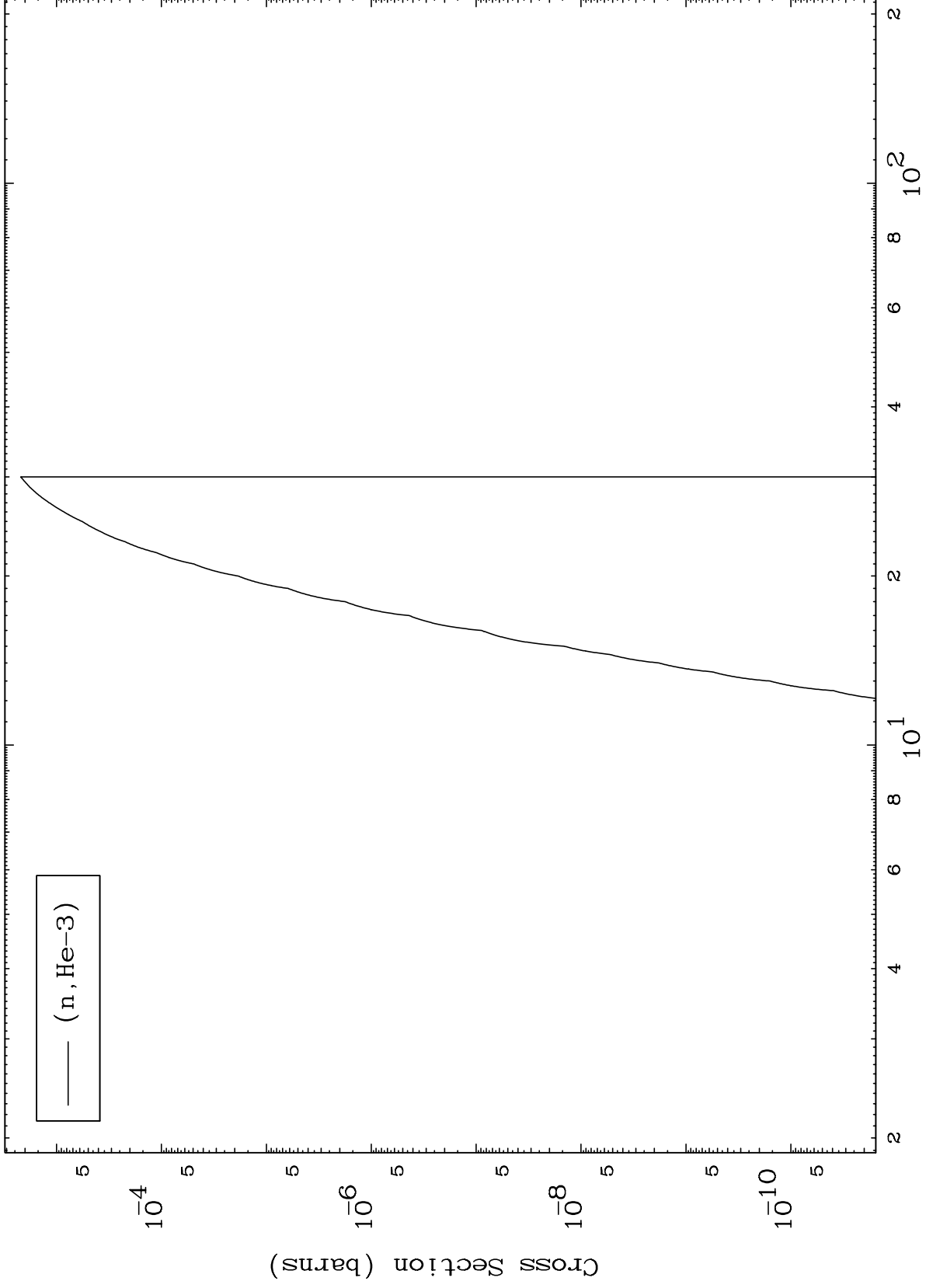
Incident Energy (MeV)

68-Er-159

MAT 6816

(n,He3) Levels
293 Kelvin Cross Sections

68-Er-159



13

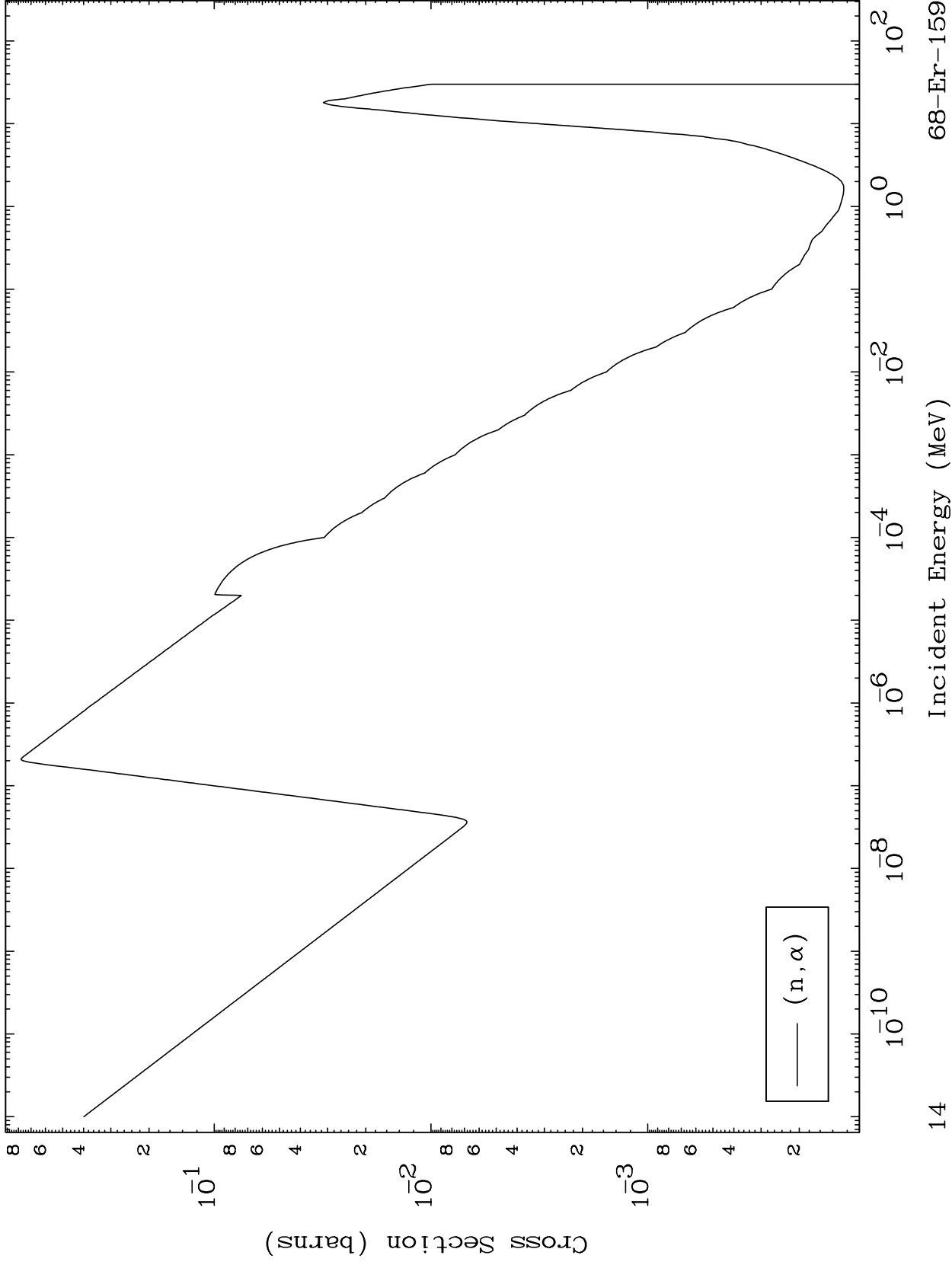
Incident Energy (MeV)

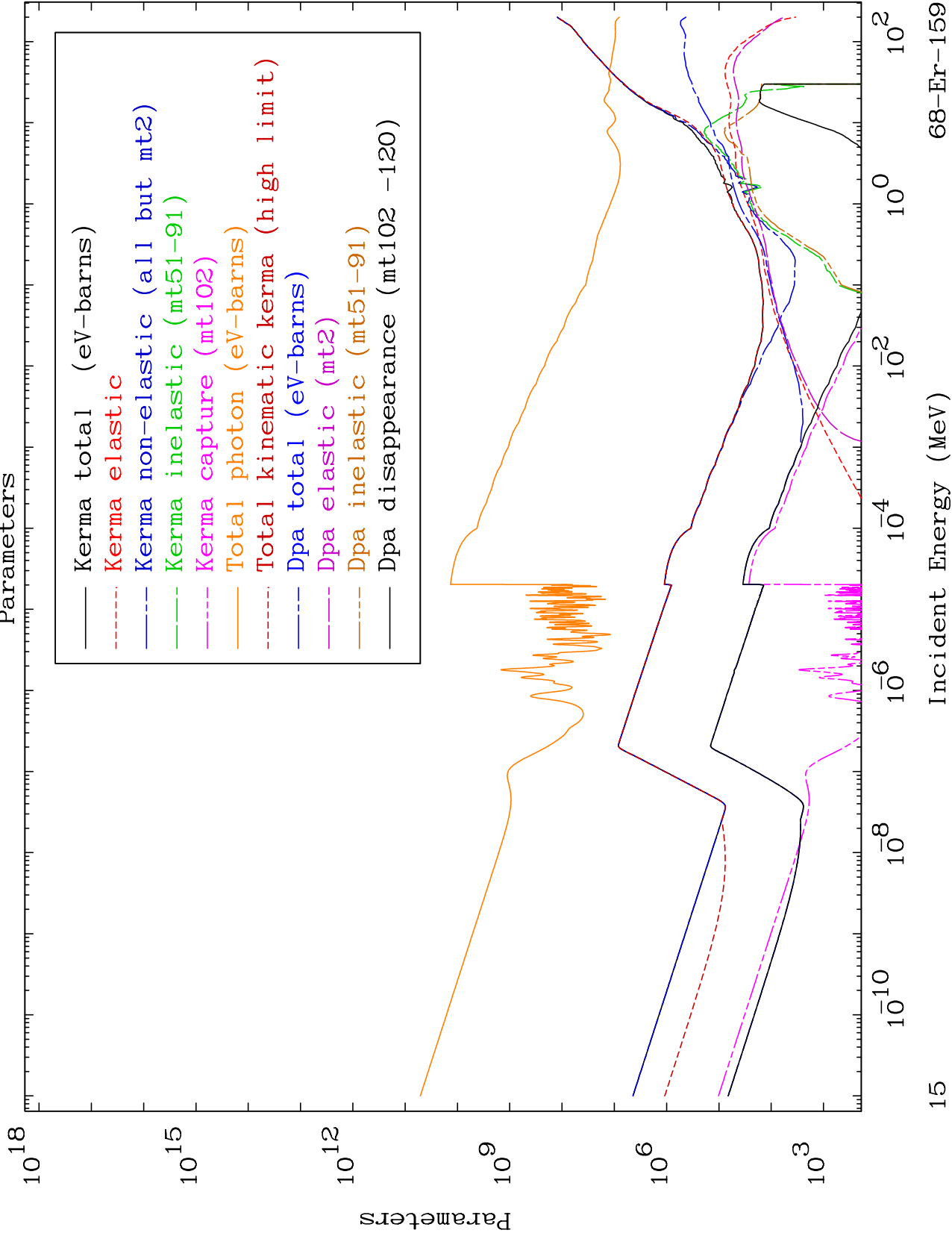
68-Er-159

MAT 6816

(n,α) Levels
293 Kelvin Cross Sections

68-Er-159

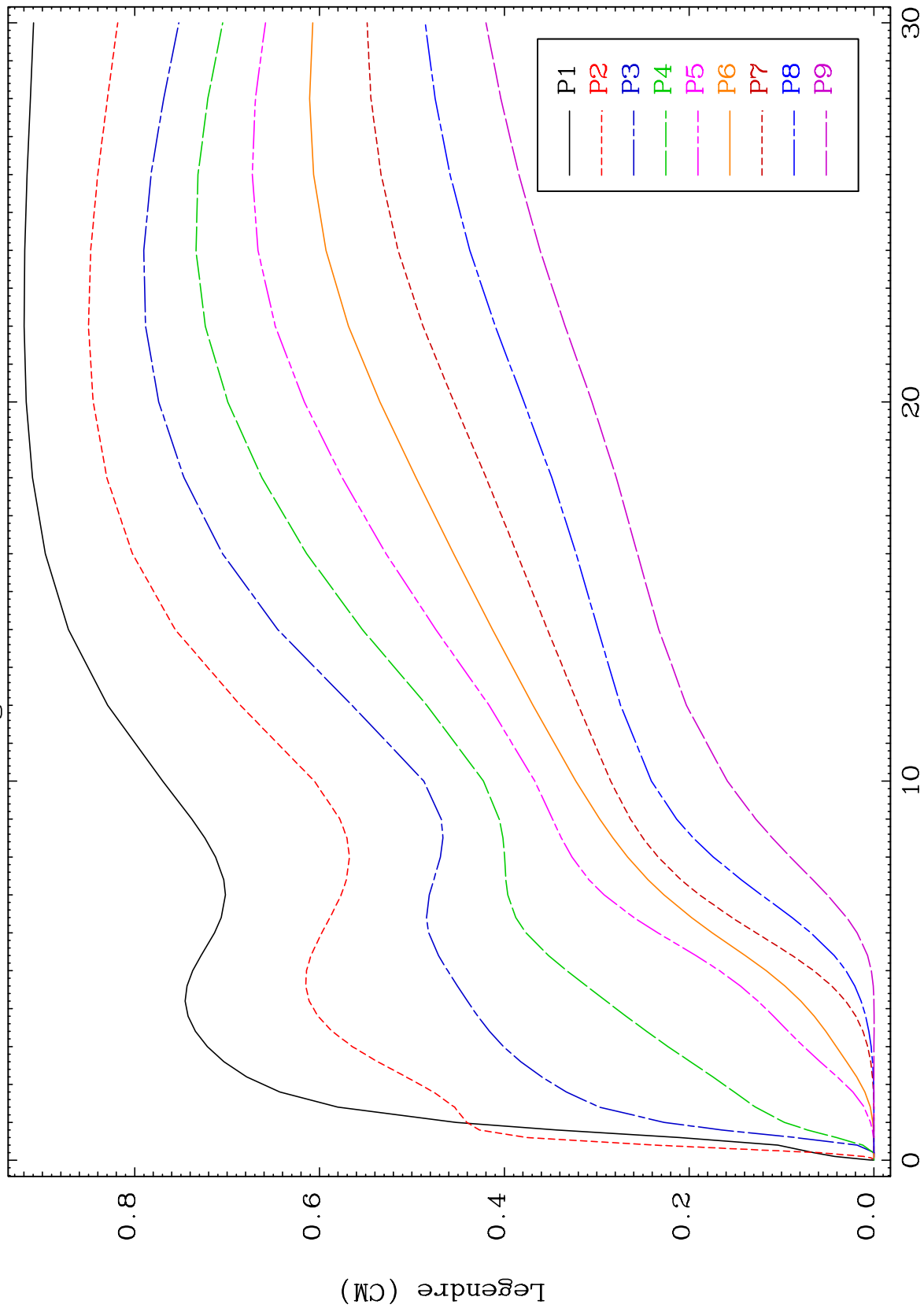




MAT 6816

Elastic Legendre Coefficients

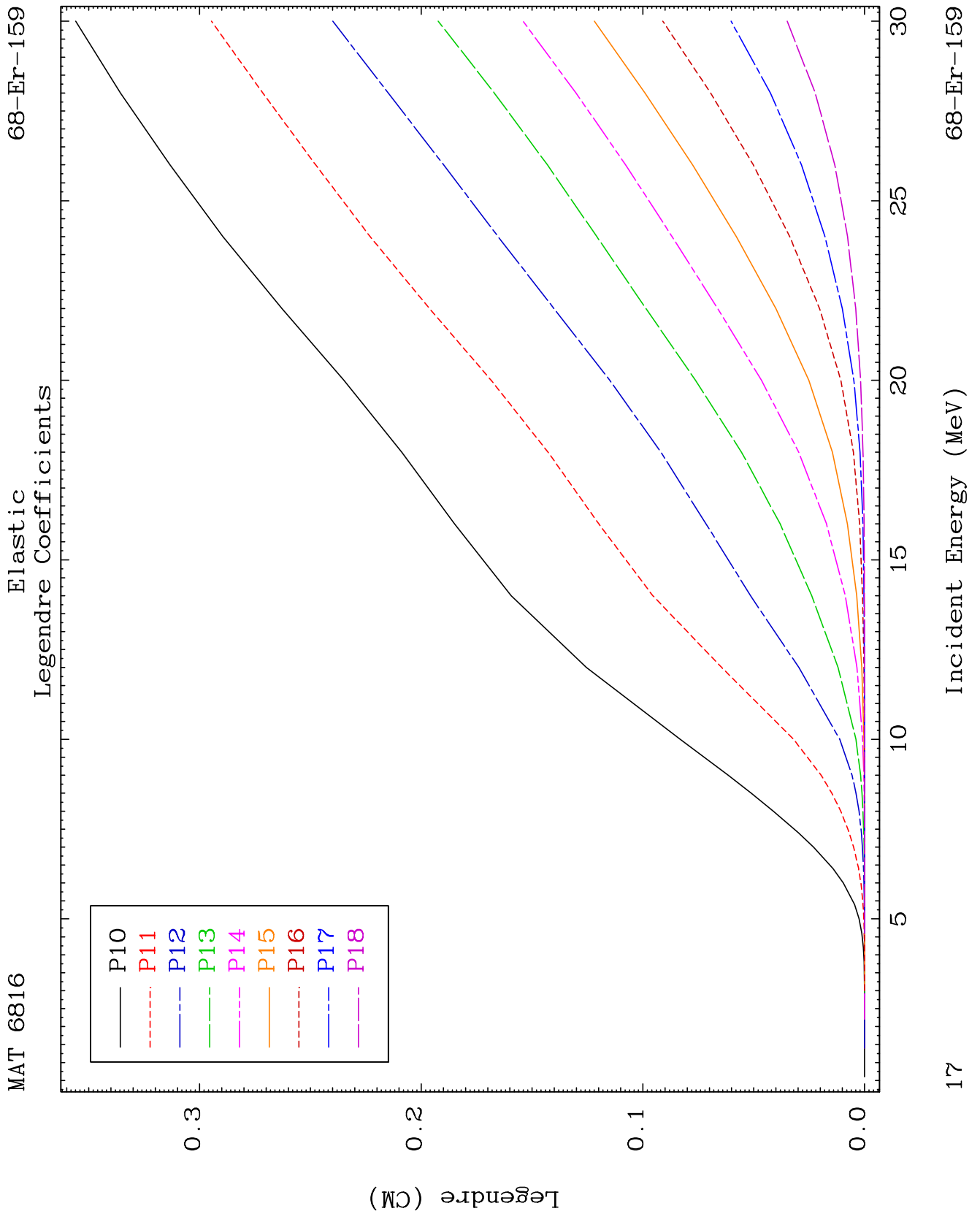
68-Er-159



16

Incident Energy (MeV)

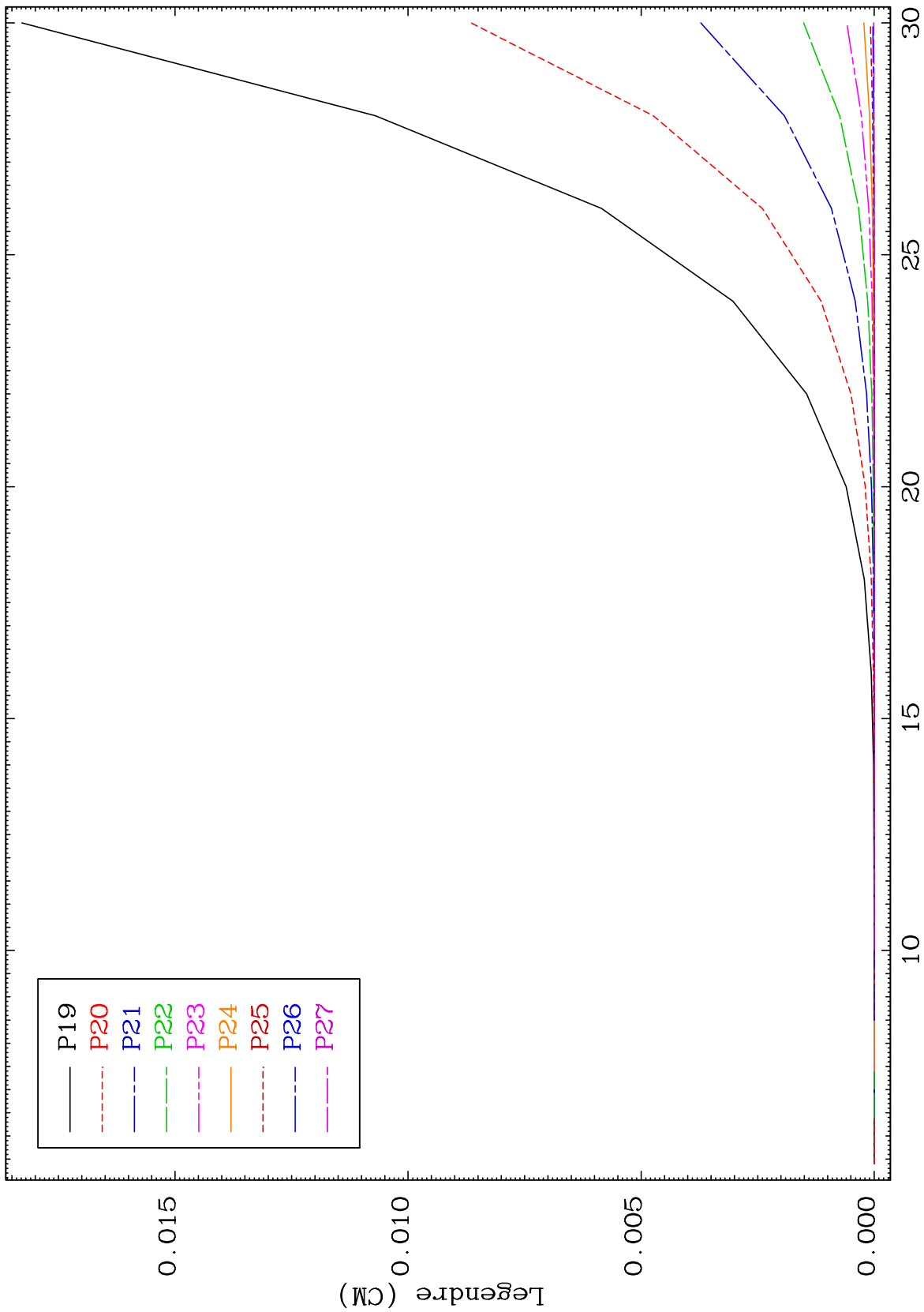
68-Er-159



MAT 6816

Elastic
Legendre Coefficients

68-Er-159



18

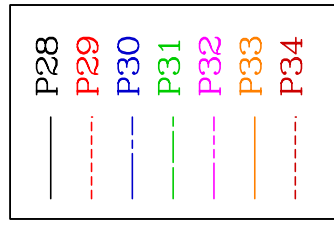
Incident Energy (MeV)

68-Er-159

MAT 6816

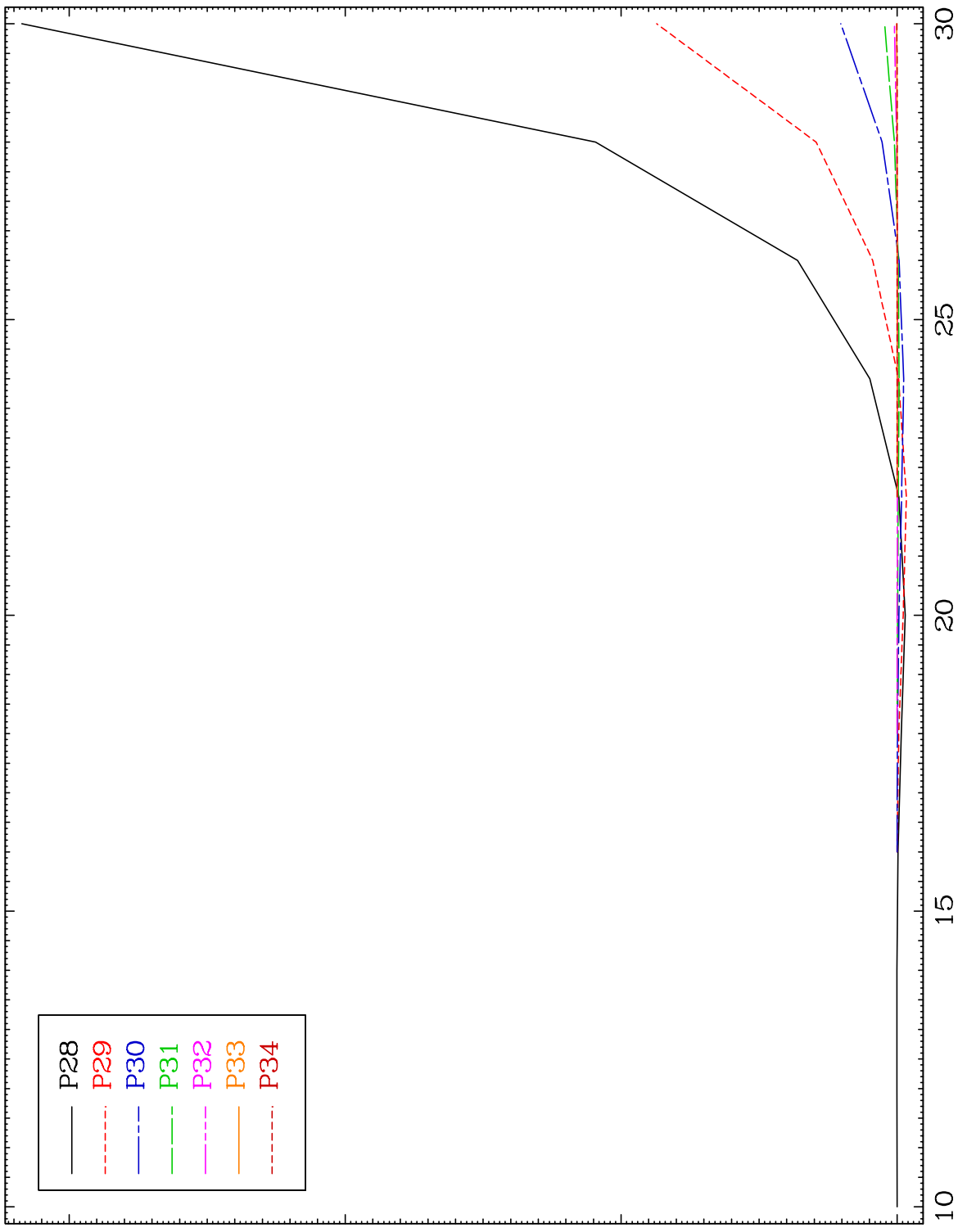
Elastic
Legendre Coefficients

68-Er-159



$\times 10^{-6}$

Legendre (CM)



19

Incident Energy (MeV)

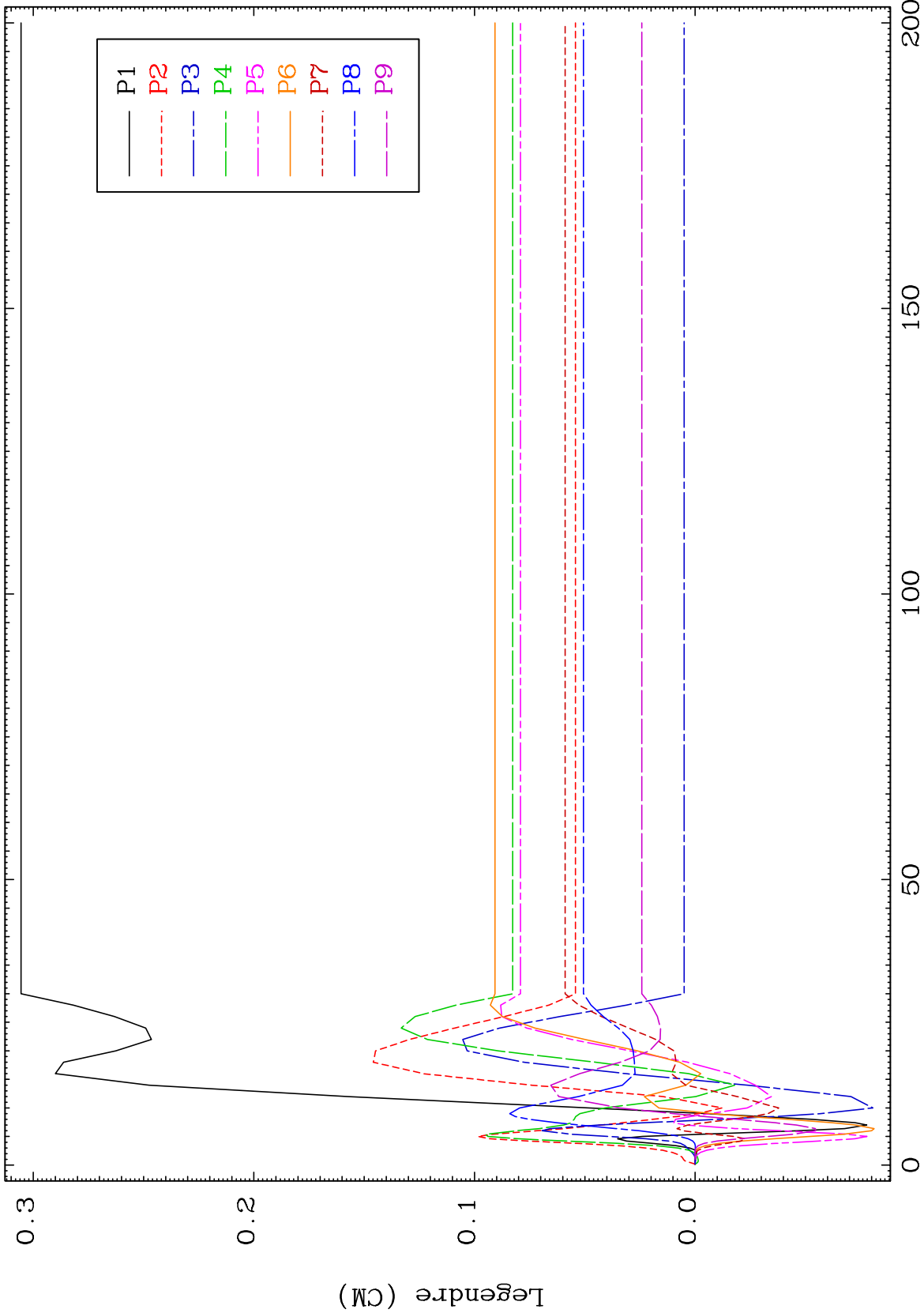
68-Er-159

MAT 6816

MT= 51 (n,n') Level

68-Er-159

Legendre Coefficients



20

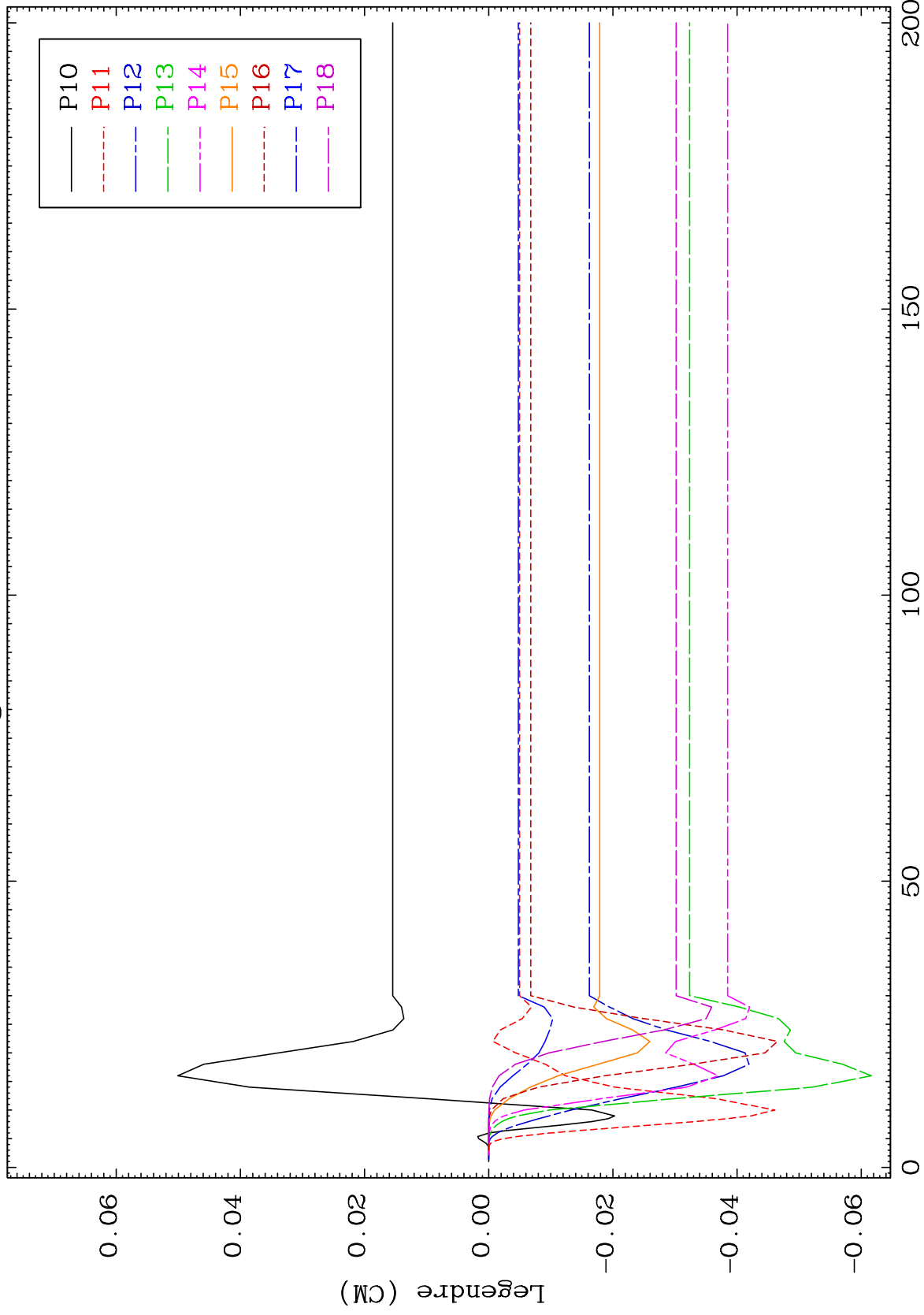
Incident Energy (MeV)

68-Er-159

MAT 6816

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

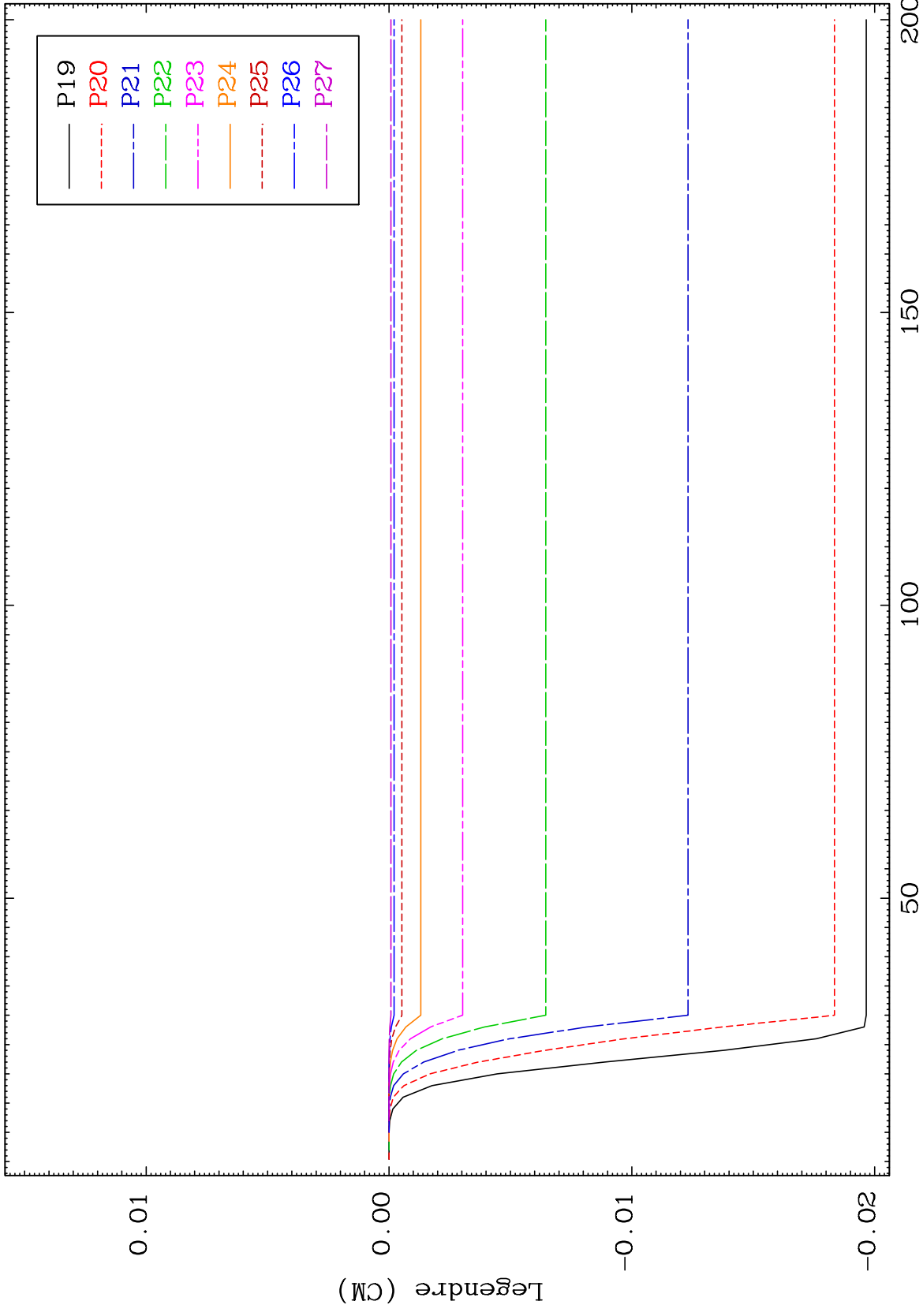
68-Er-159



21

Incident Energy (MeV)

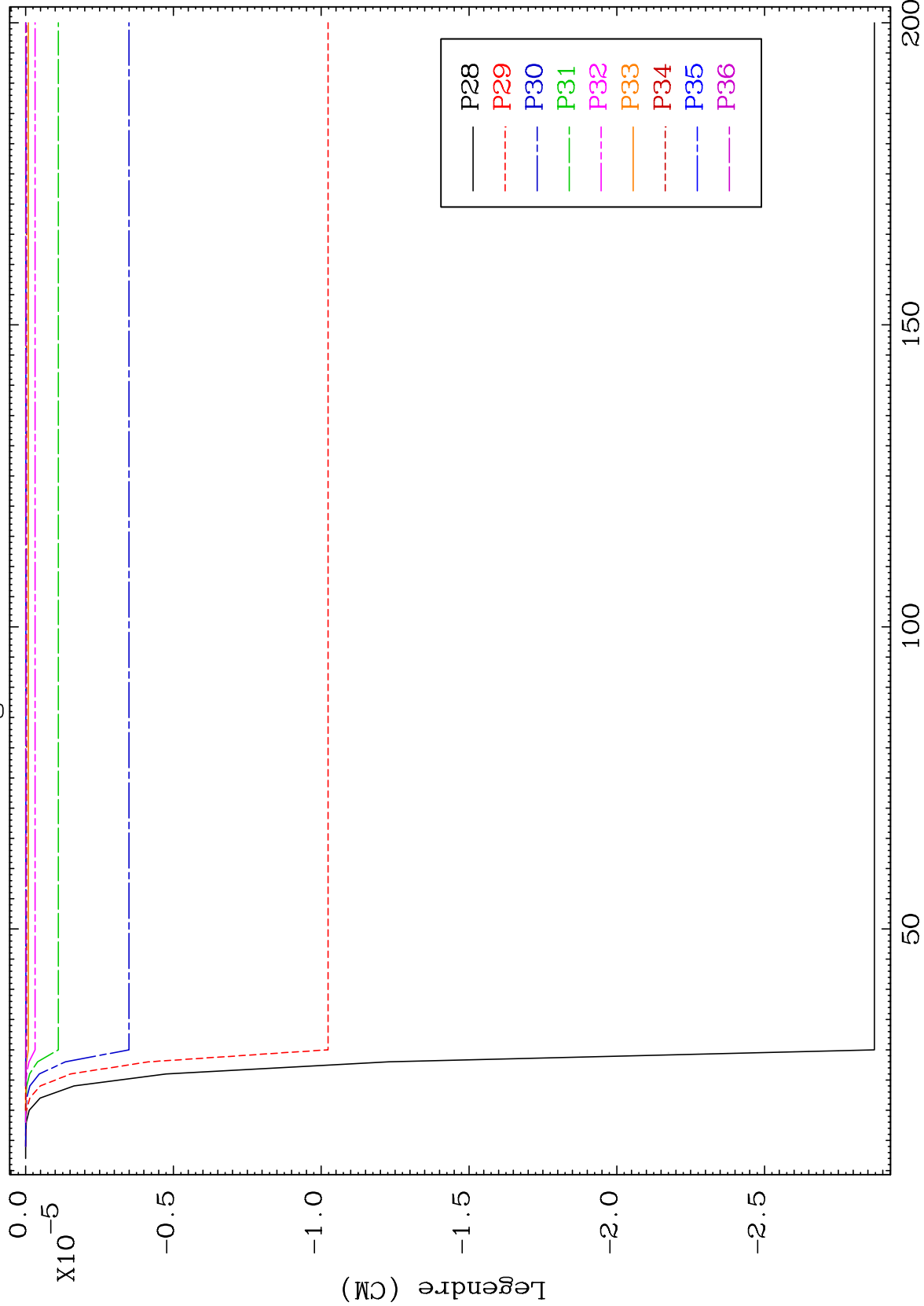
68-Er-159



MAT 6816

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

68-Er-159



23

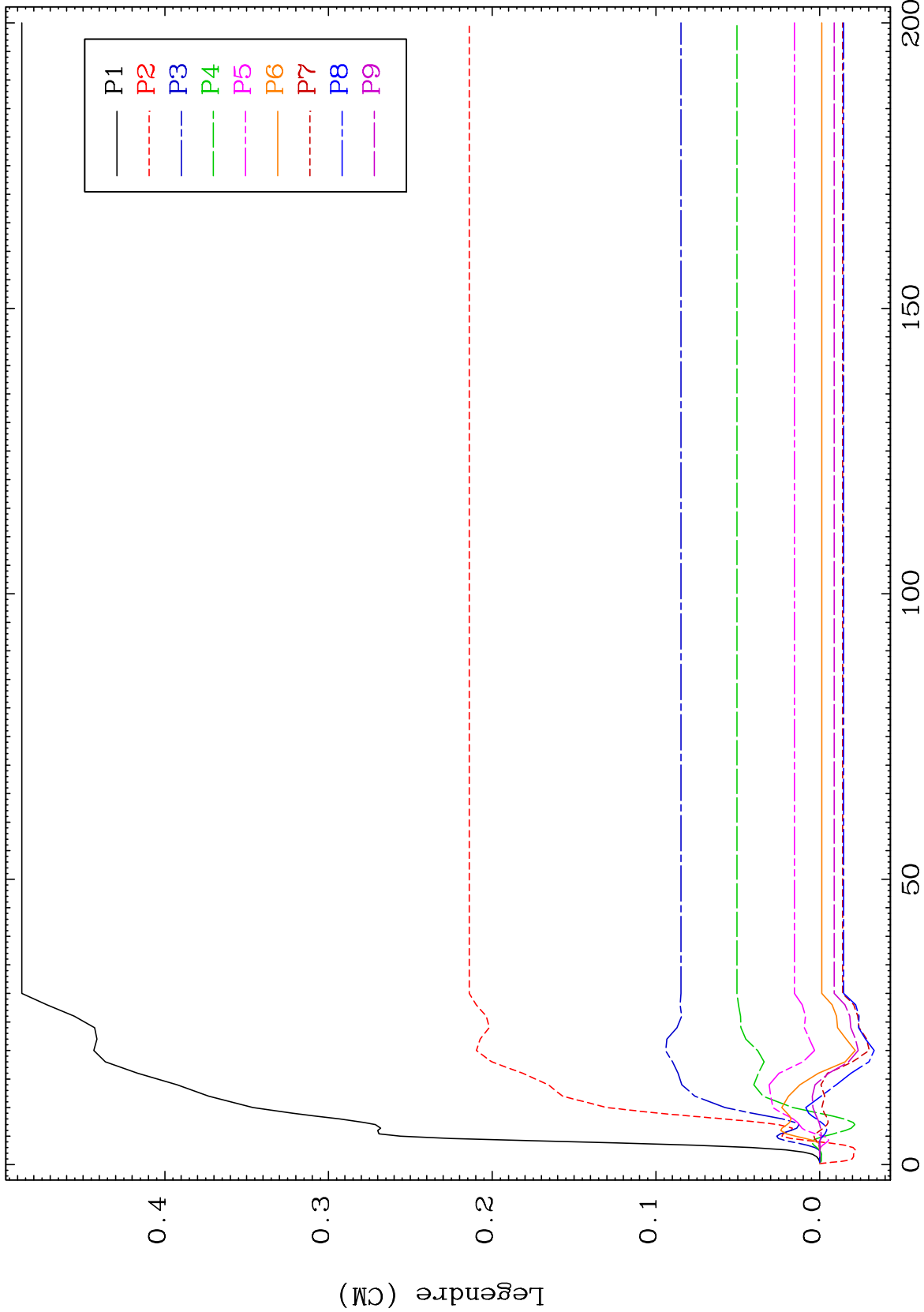
Incident Energy (MeV)

68-Er-159

MAT 6816

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

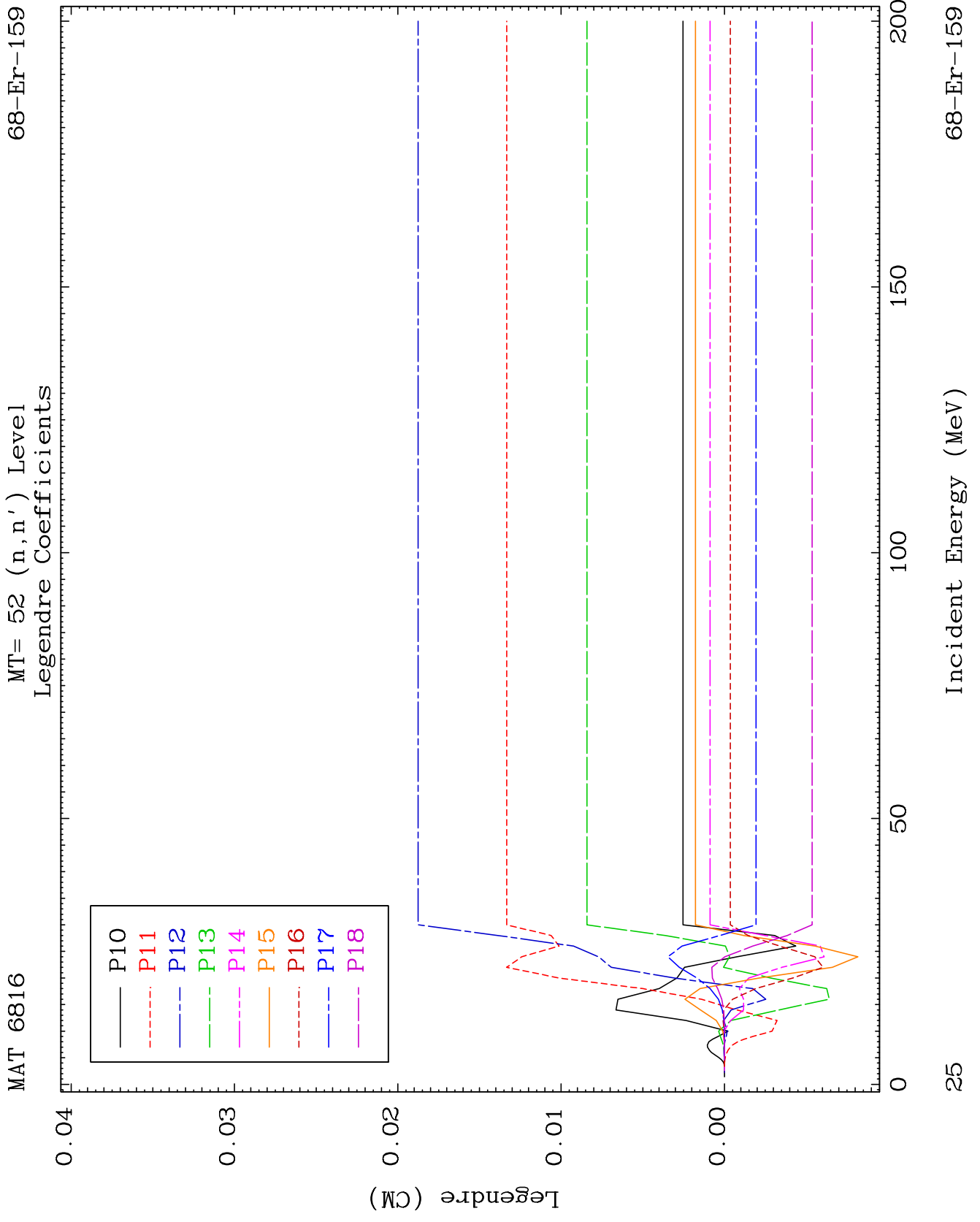
68-Er-159

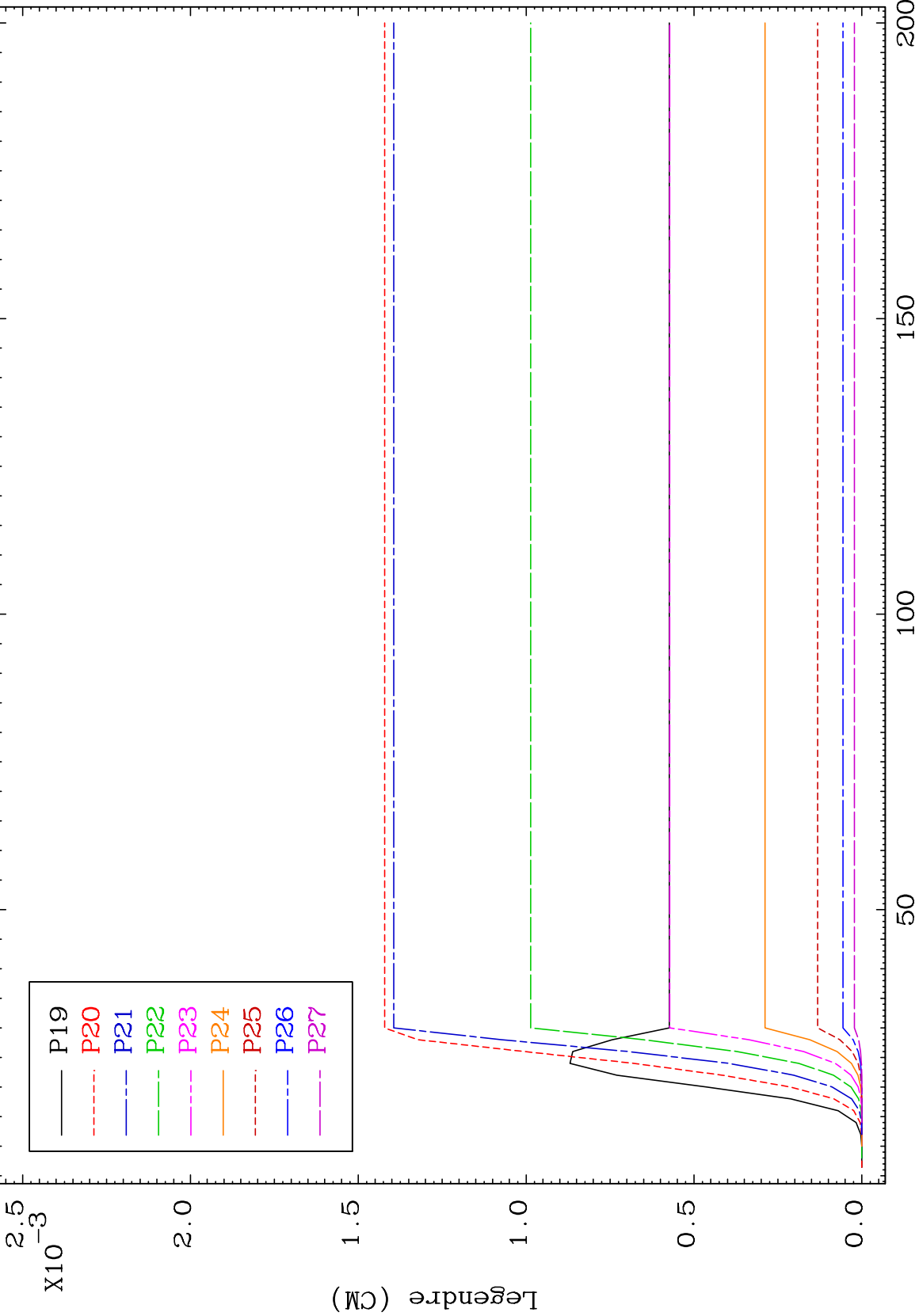


24

Incident Energy (MeV)

68-Er-159





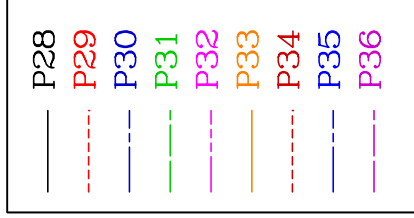
MAT 6816

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

68-Er-159

$\times 10^{-6}$

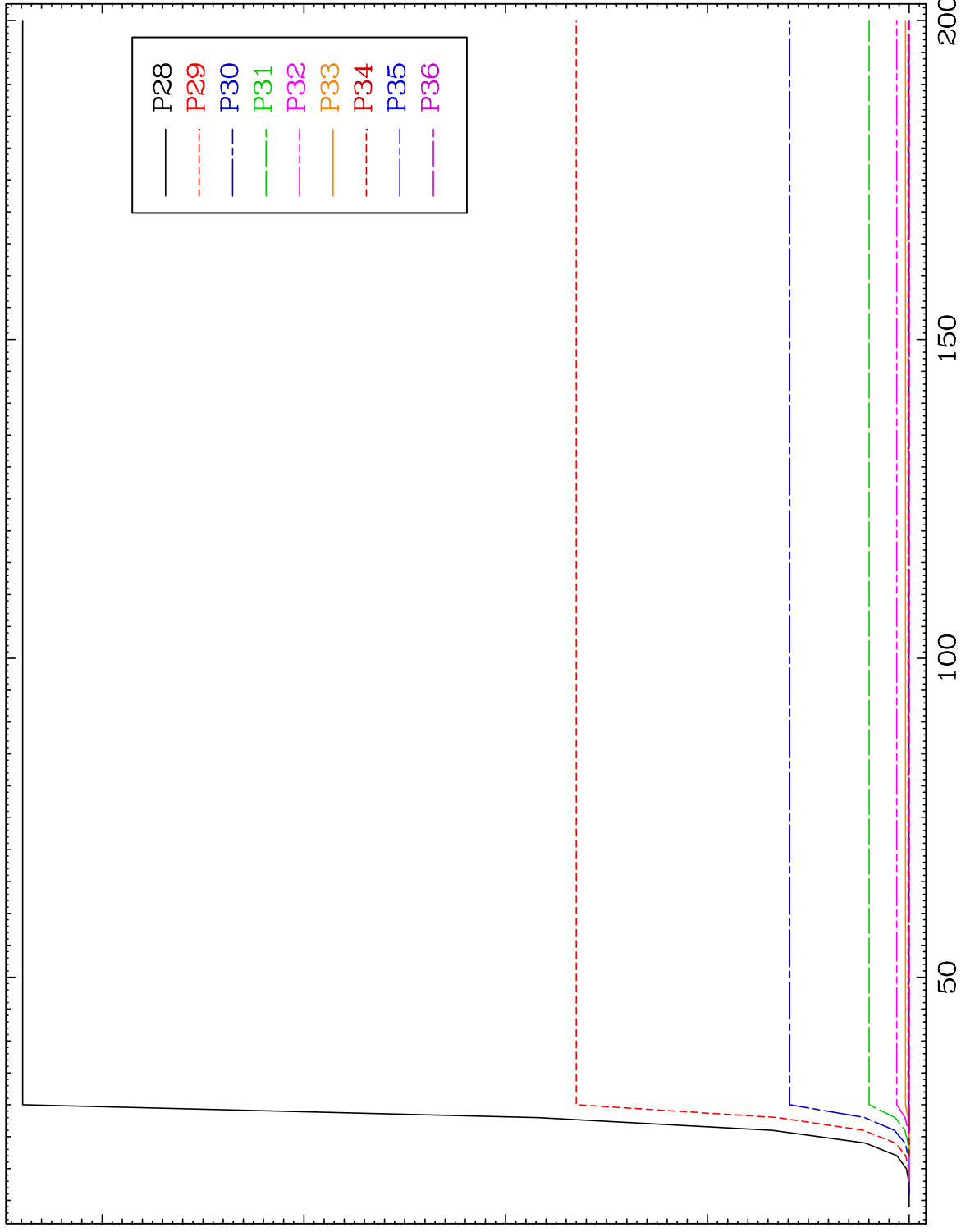
Legendre (CM)



27

Incident Energy (MeV)

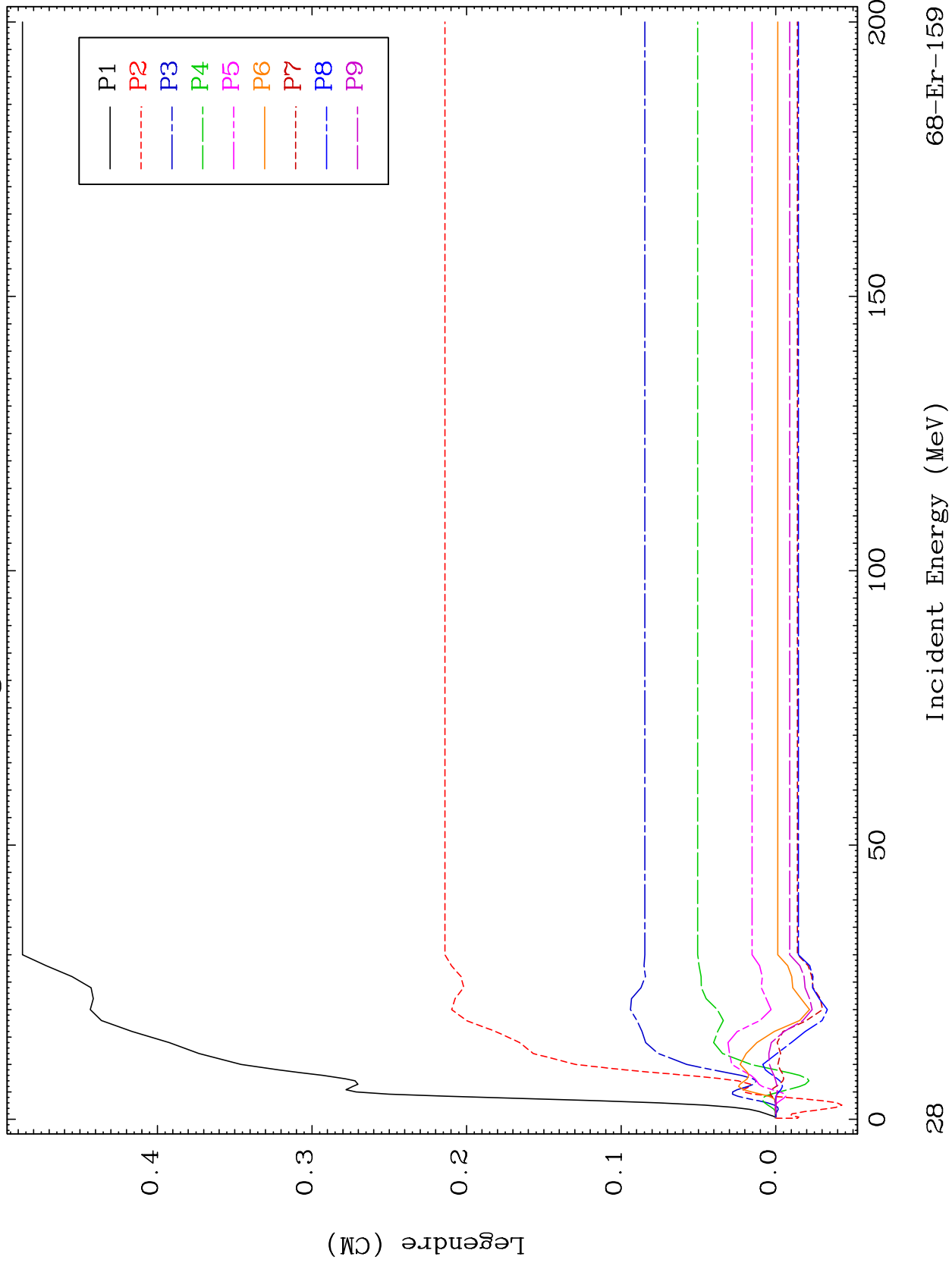
68-Er-159



MAT 6816

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

68-Er-159



68-Er-159

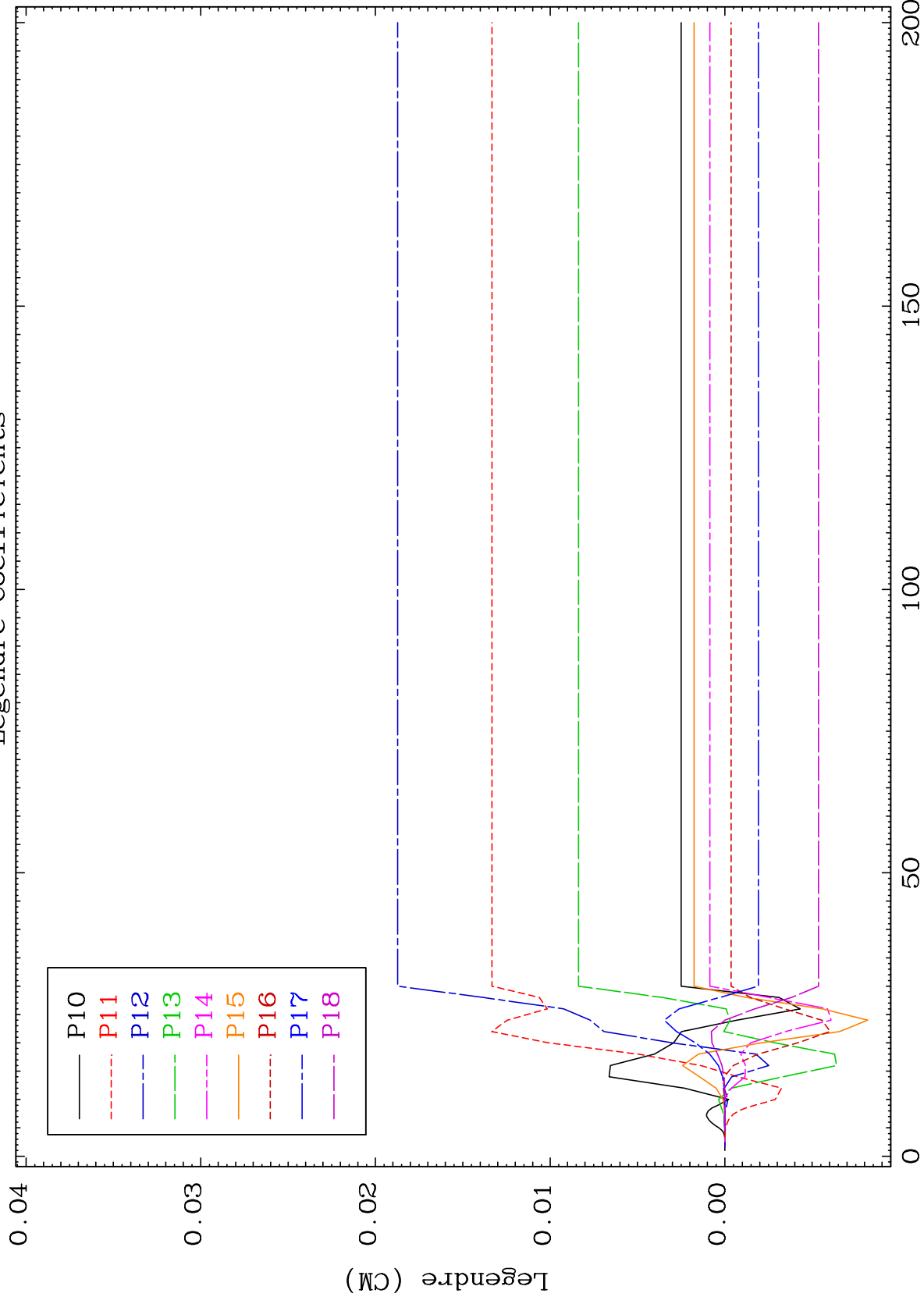
Incident Energy (MeV)

28

MAT 6816

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

68-Er-159



29

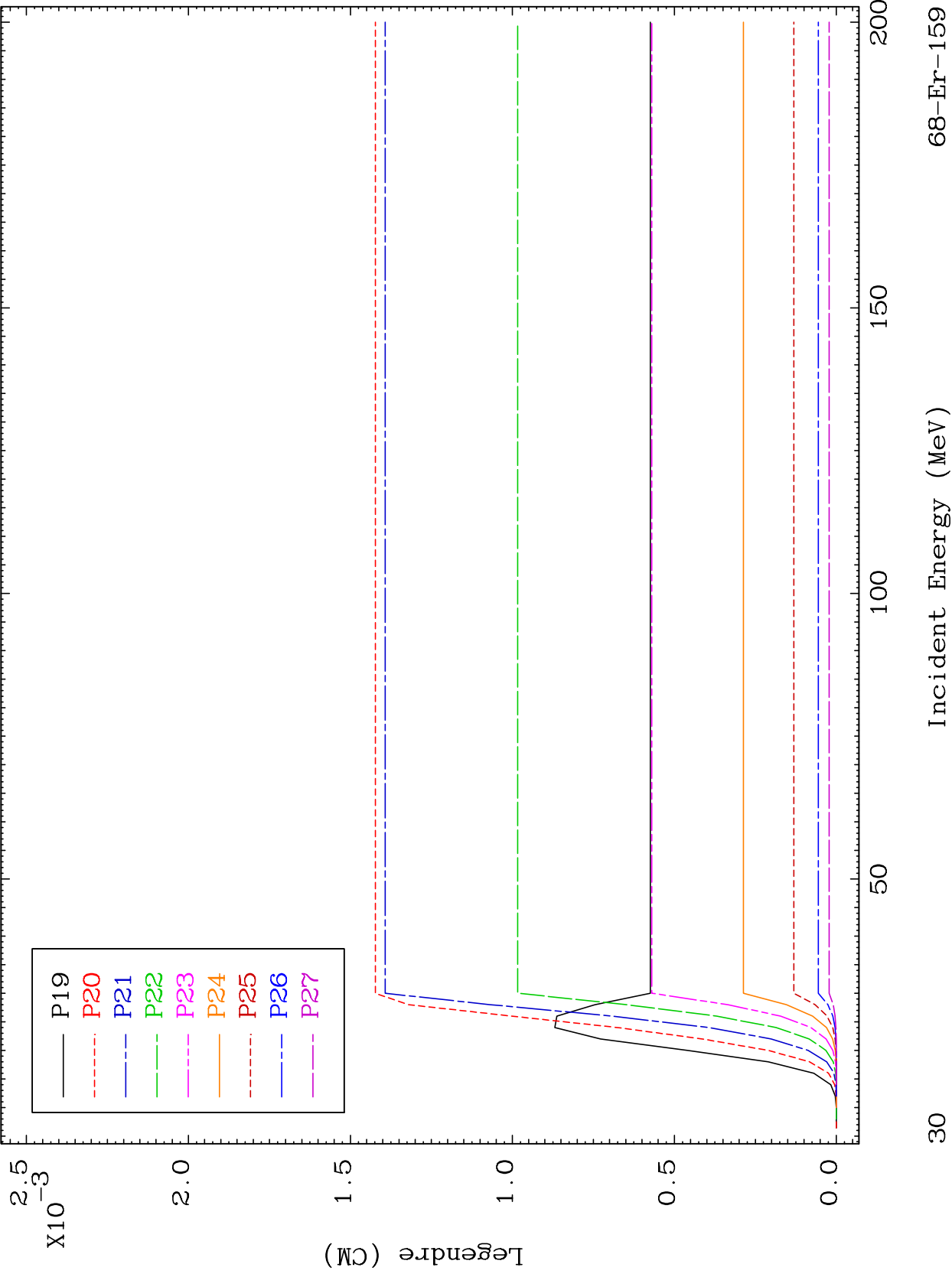
Incident Energy (MeV)

68-Er-159

MAT 6816

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

68-Er-159



68-Er-159

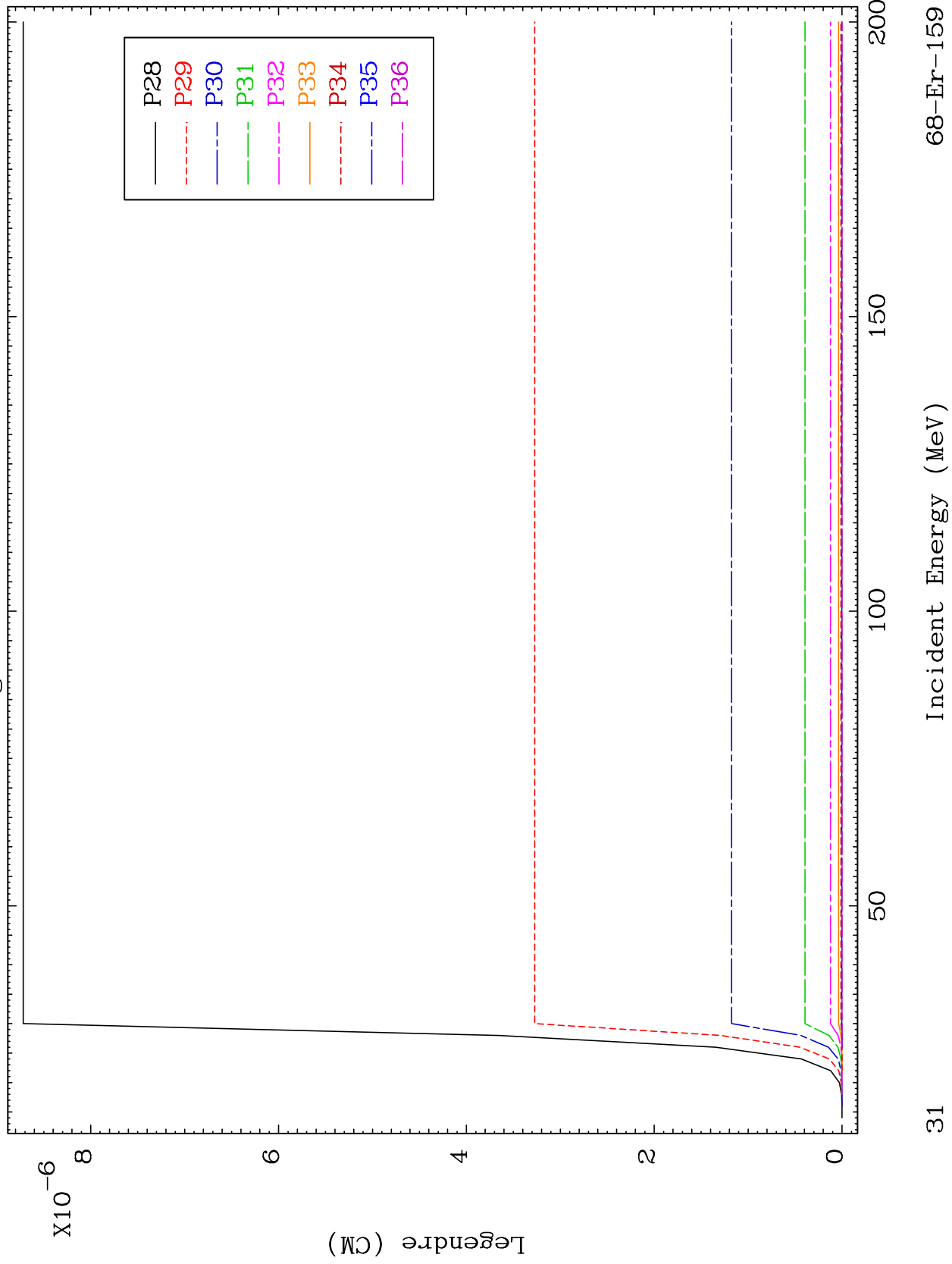
Incident Energy (MeV)

30

MAT 6816

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

68-Er-159



31

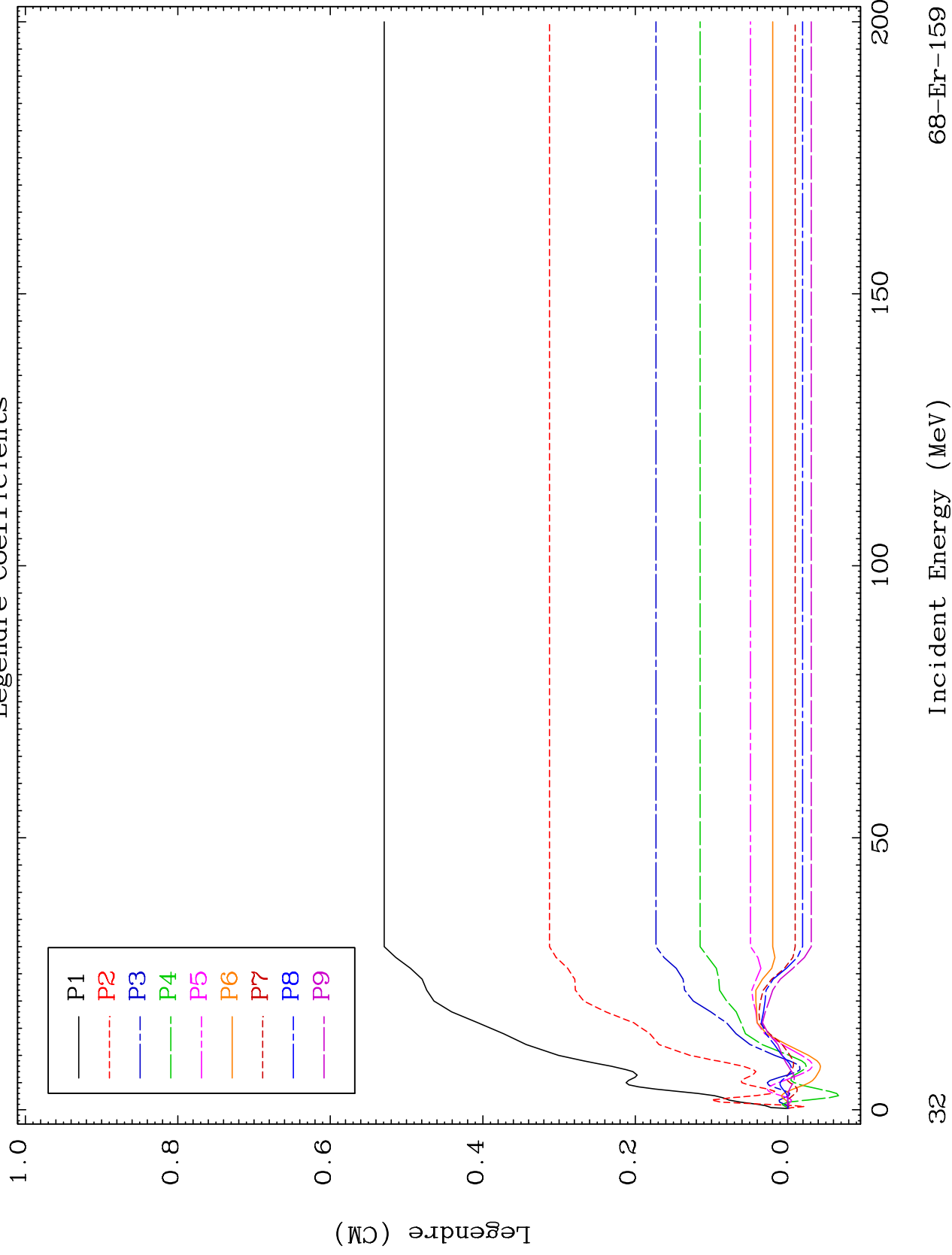
Incident Energy (MeV)

68-Er-159

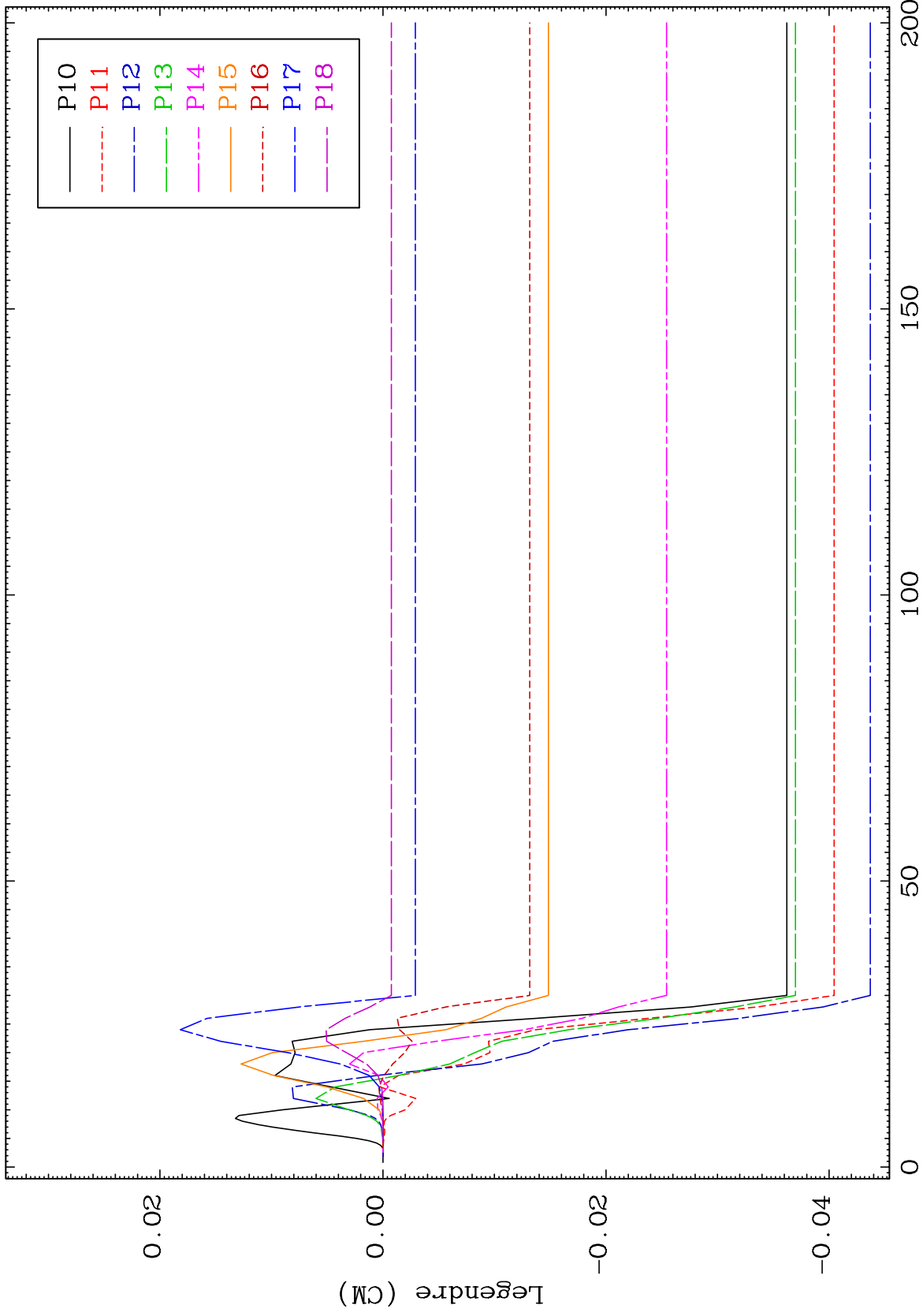
MAT 6816

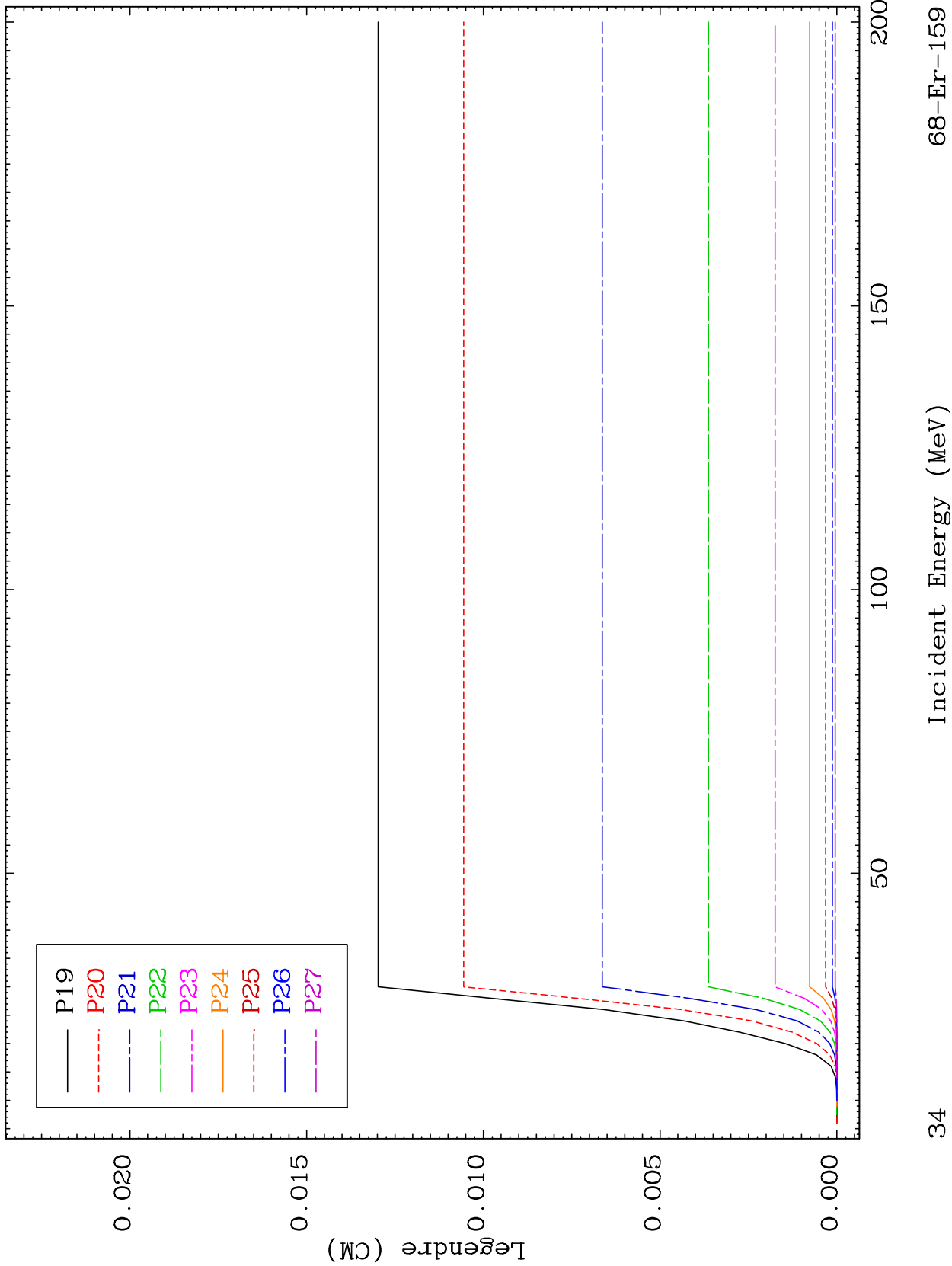
MT= 54 (n,n') Level
Legendre Coefficients

68-Er-159



32

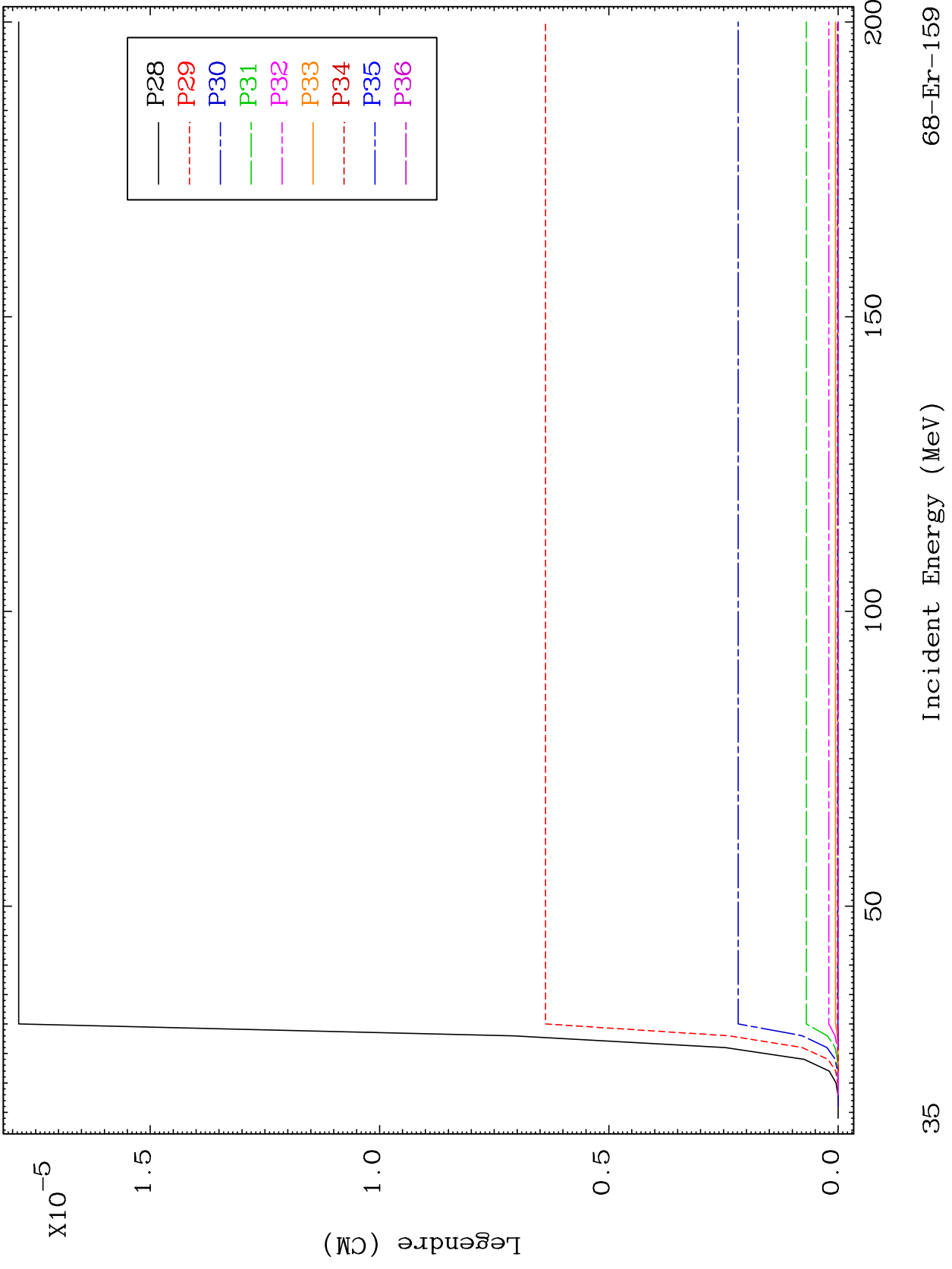




MAT 6816

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

68-Er-159



35

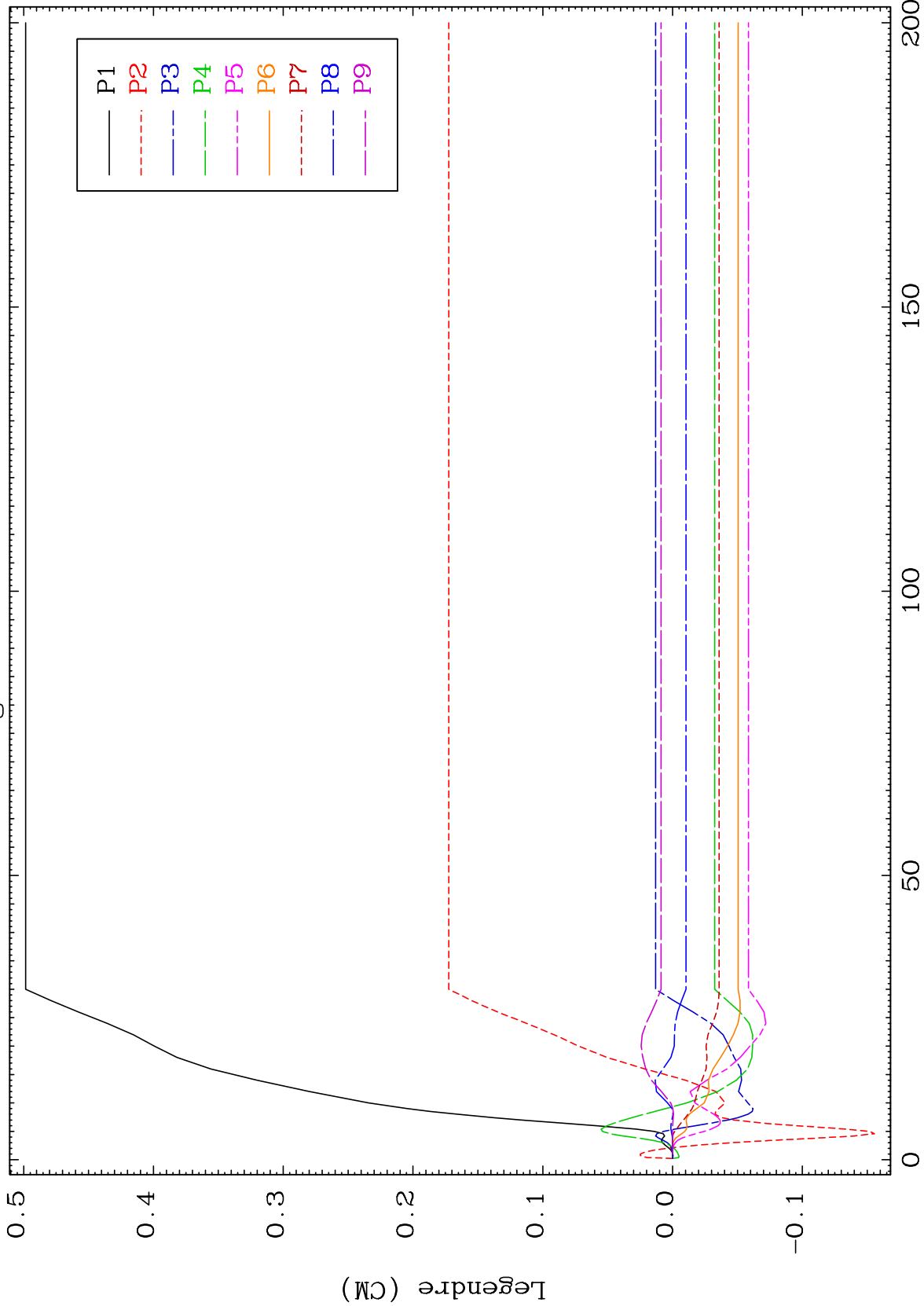
Incident Energy (MeV)

68-Er-159

MAT 6816

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

68-Er-159



36

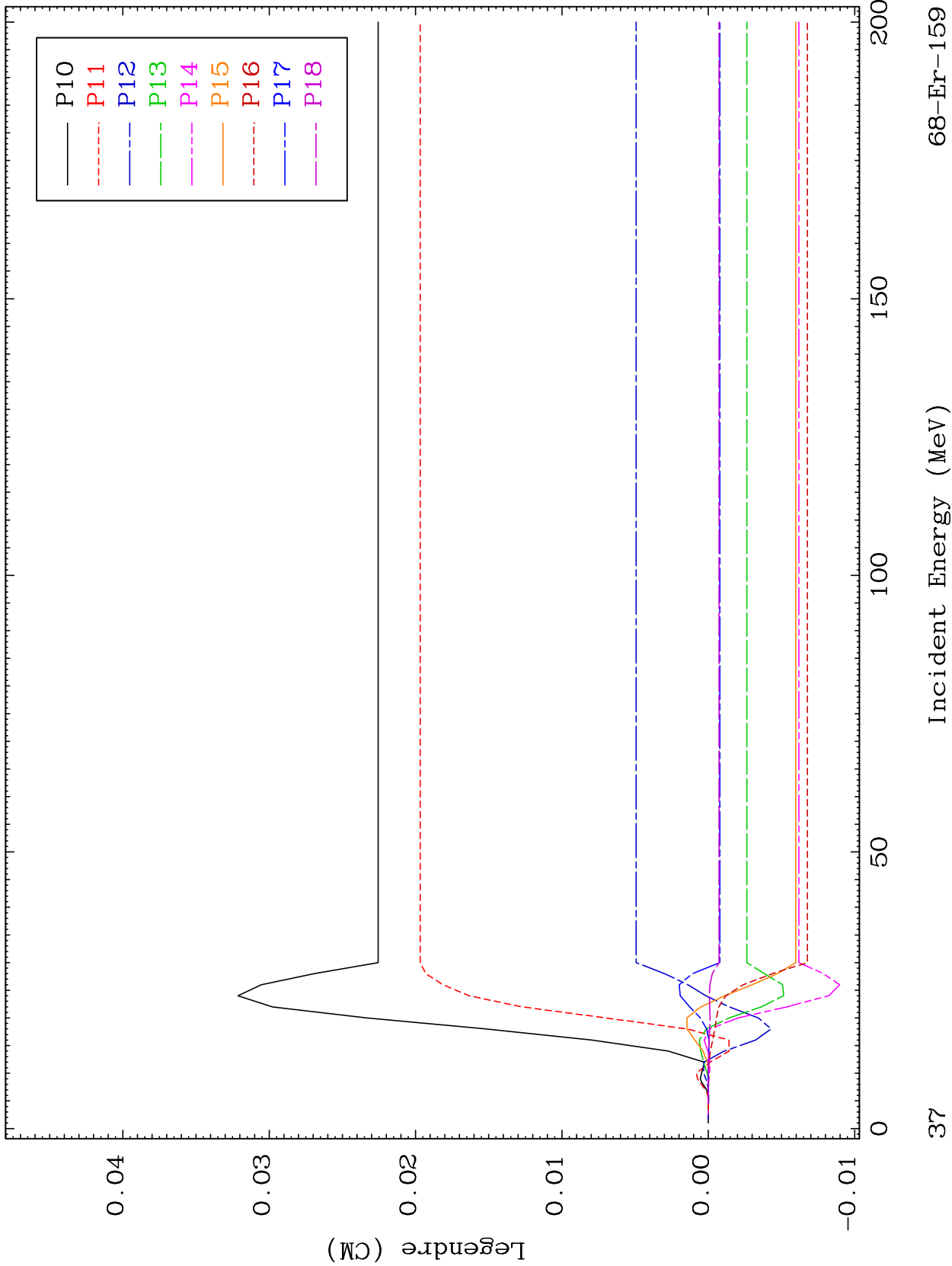
Incident Energy (MeV)

68-Er-159

MAT 6816

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

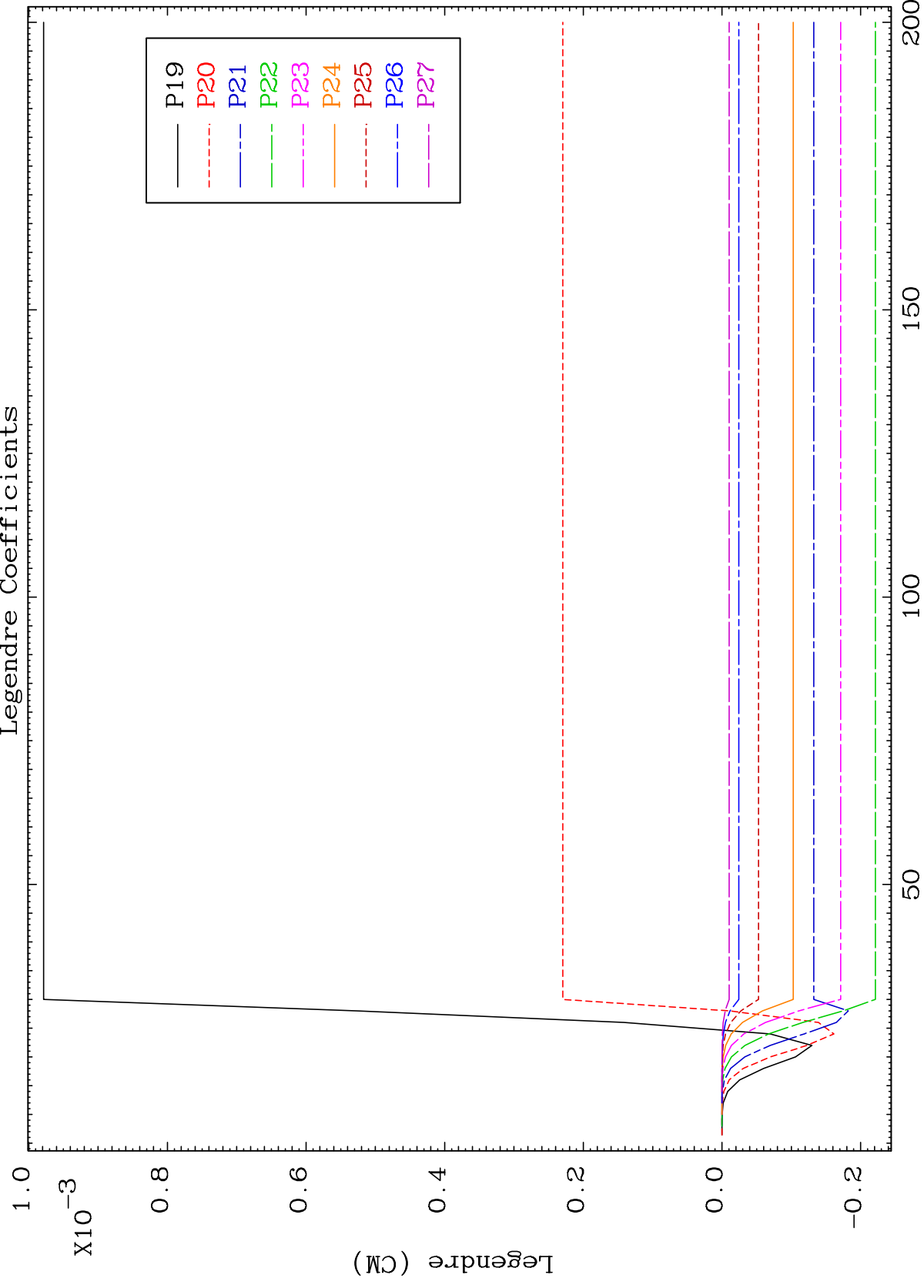
68-Er-159

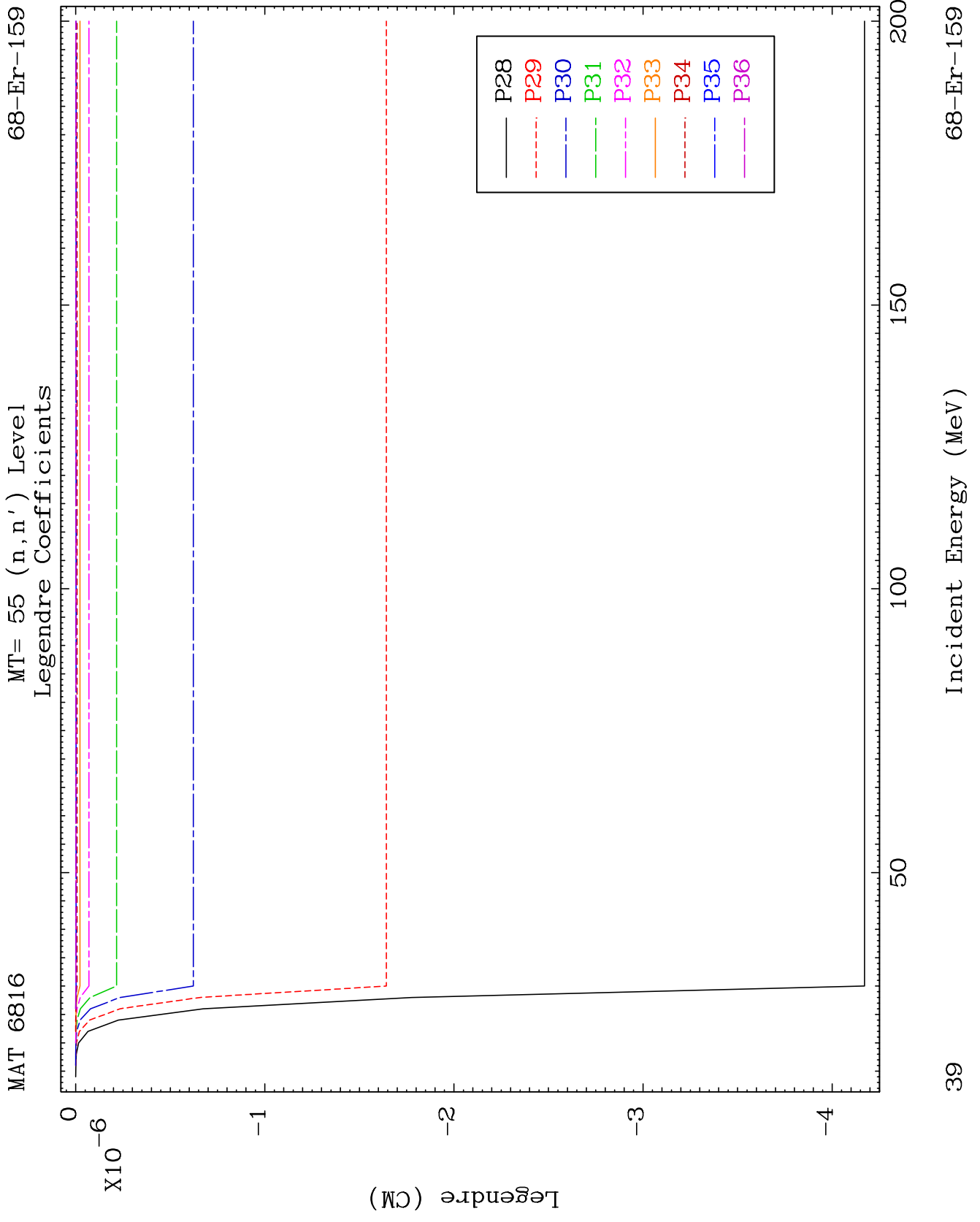


37

Incident Energy (MeV)

68-Er-159

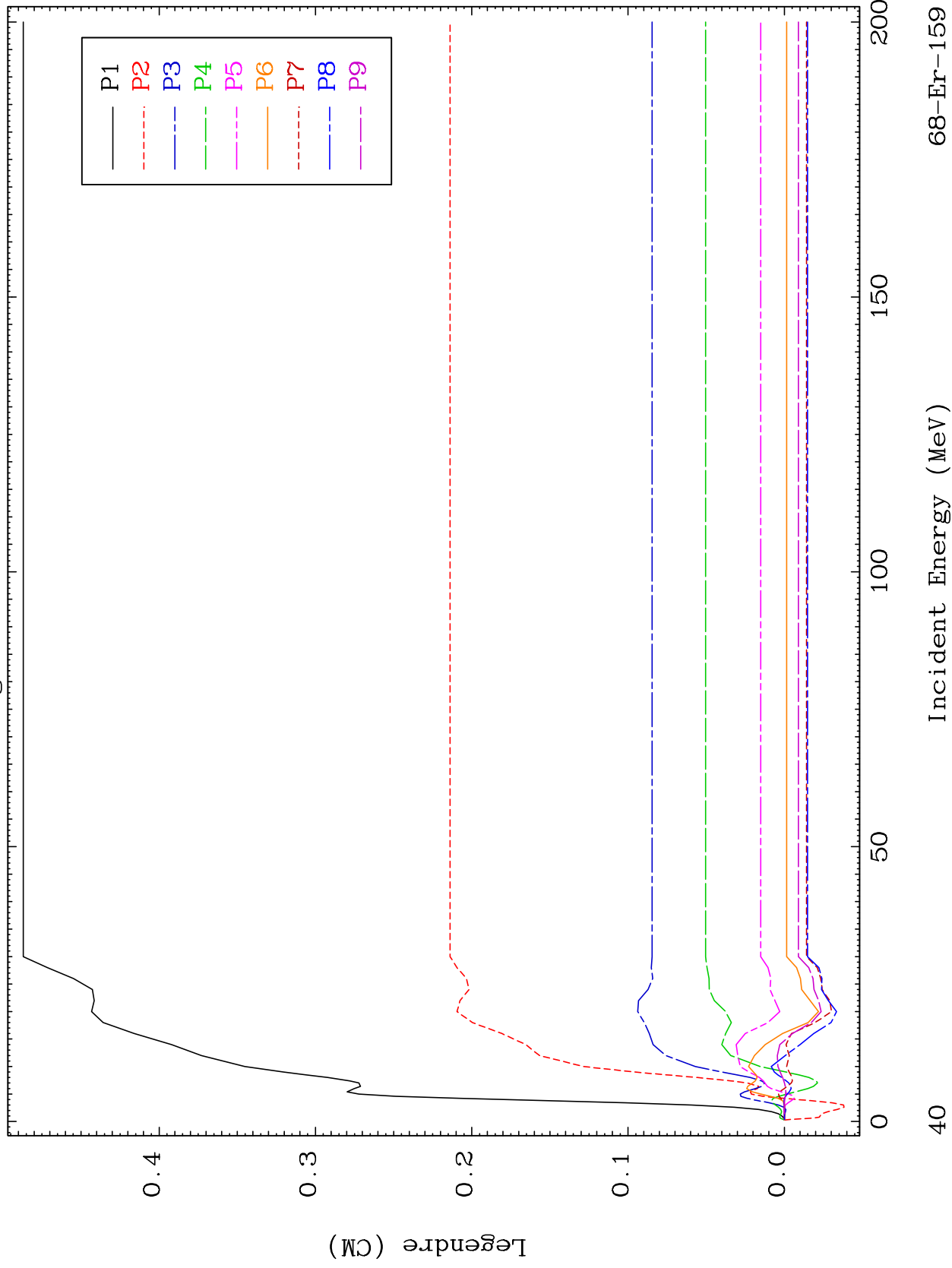




MAT 6816

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

68-Er-159

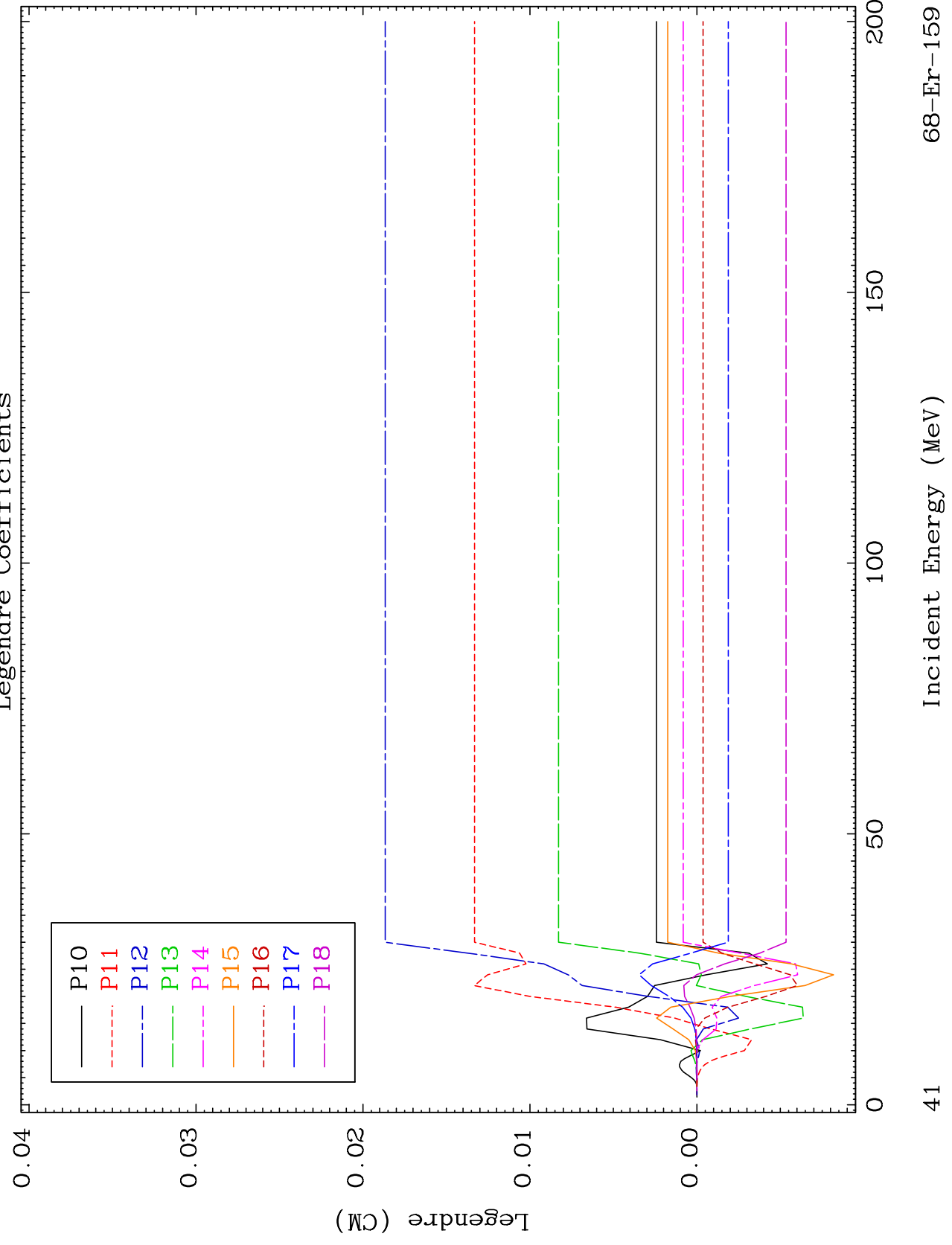


68-Er-159

MAT 6816

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

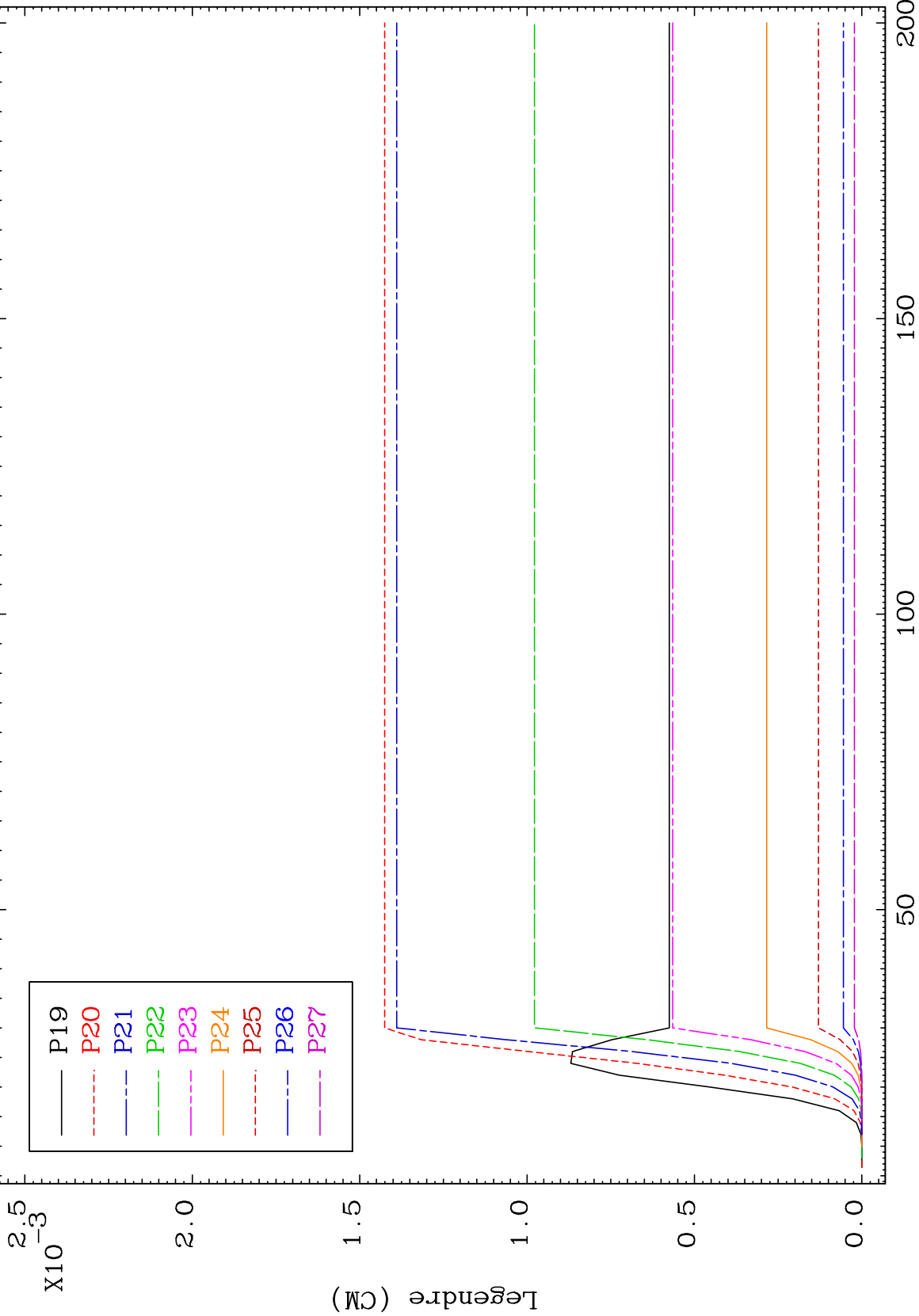
68-Er-159



MAT 6816

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

68-Er-159



42

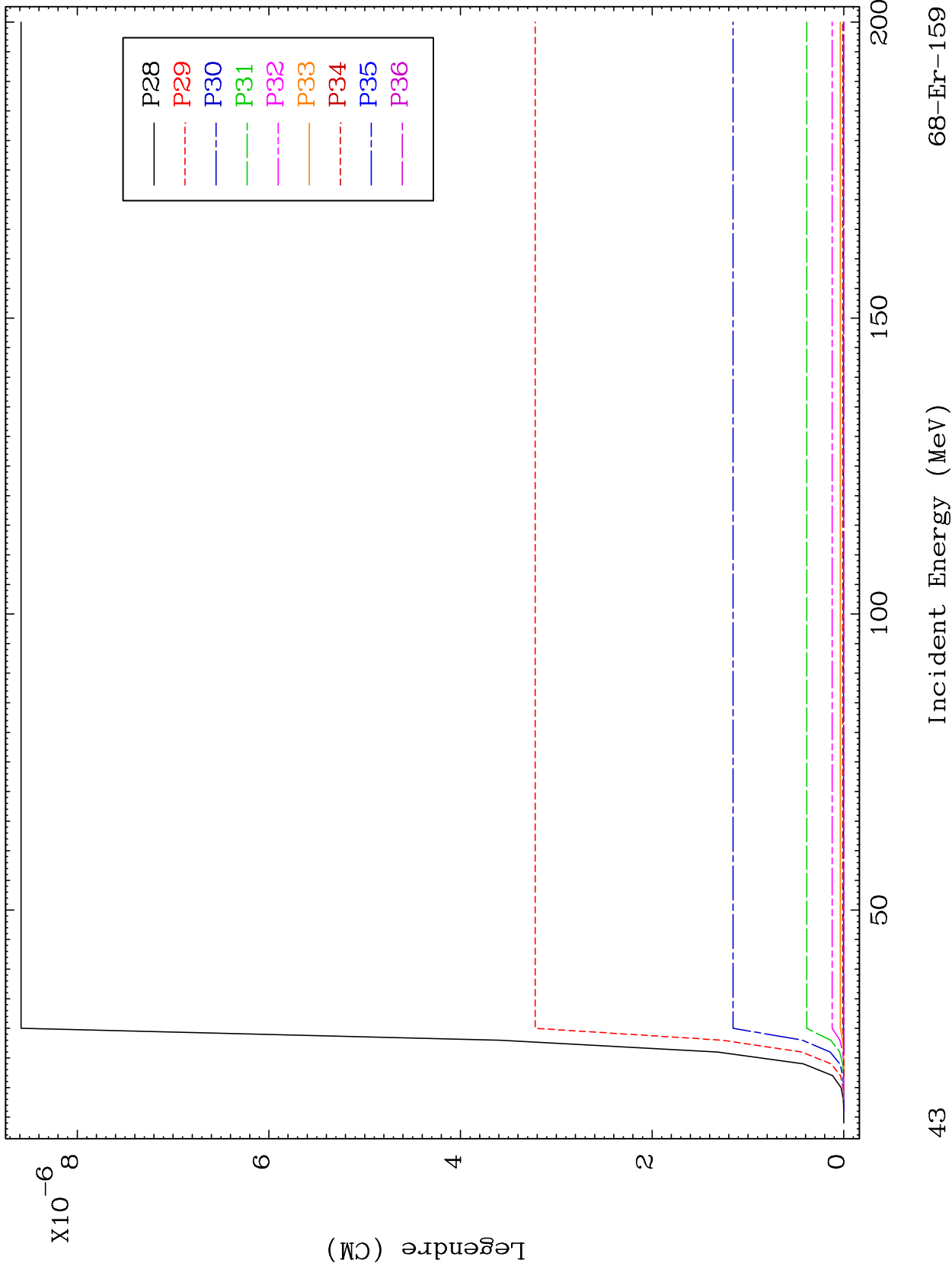
Incident Energy (MeV)

68-Er-159

MAT 6816

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

68-Er-159



43

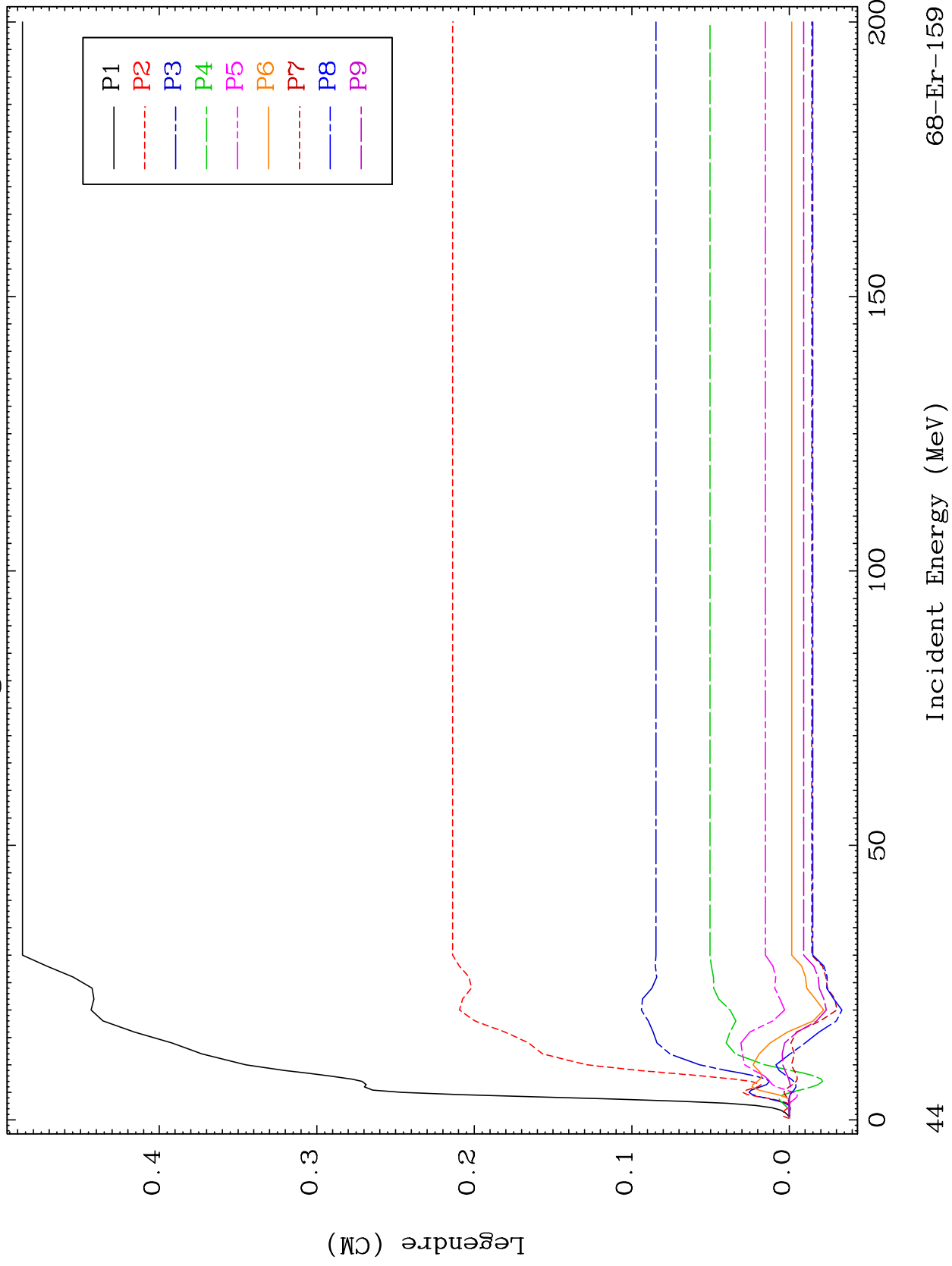
Incident Energy (MeV)

68-Er-159

MAT 6816

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

68-Er-159



68-Er-159

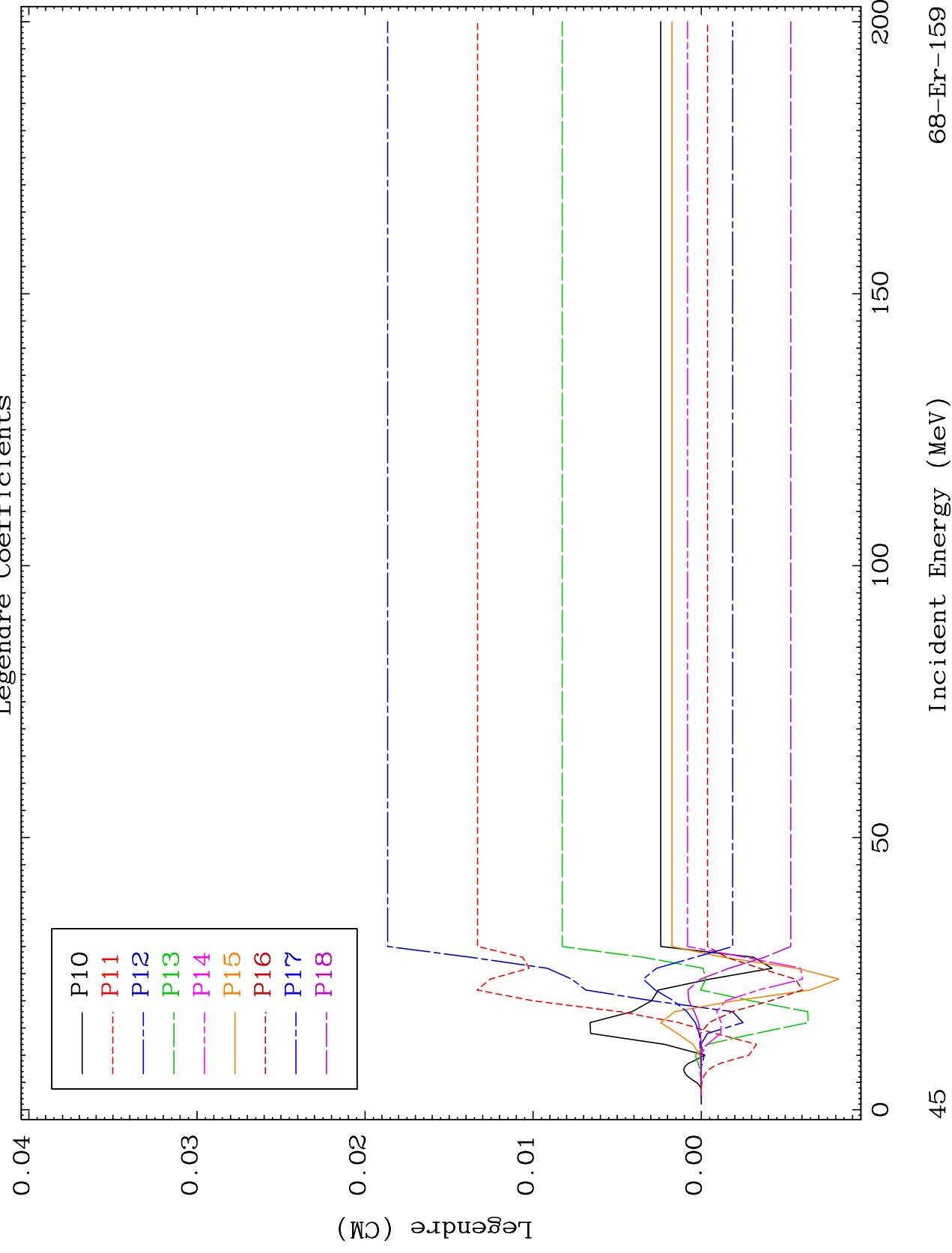
Incident Energy (MeV)

44

MAT 6816

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

68-Er-159



68-Er-159

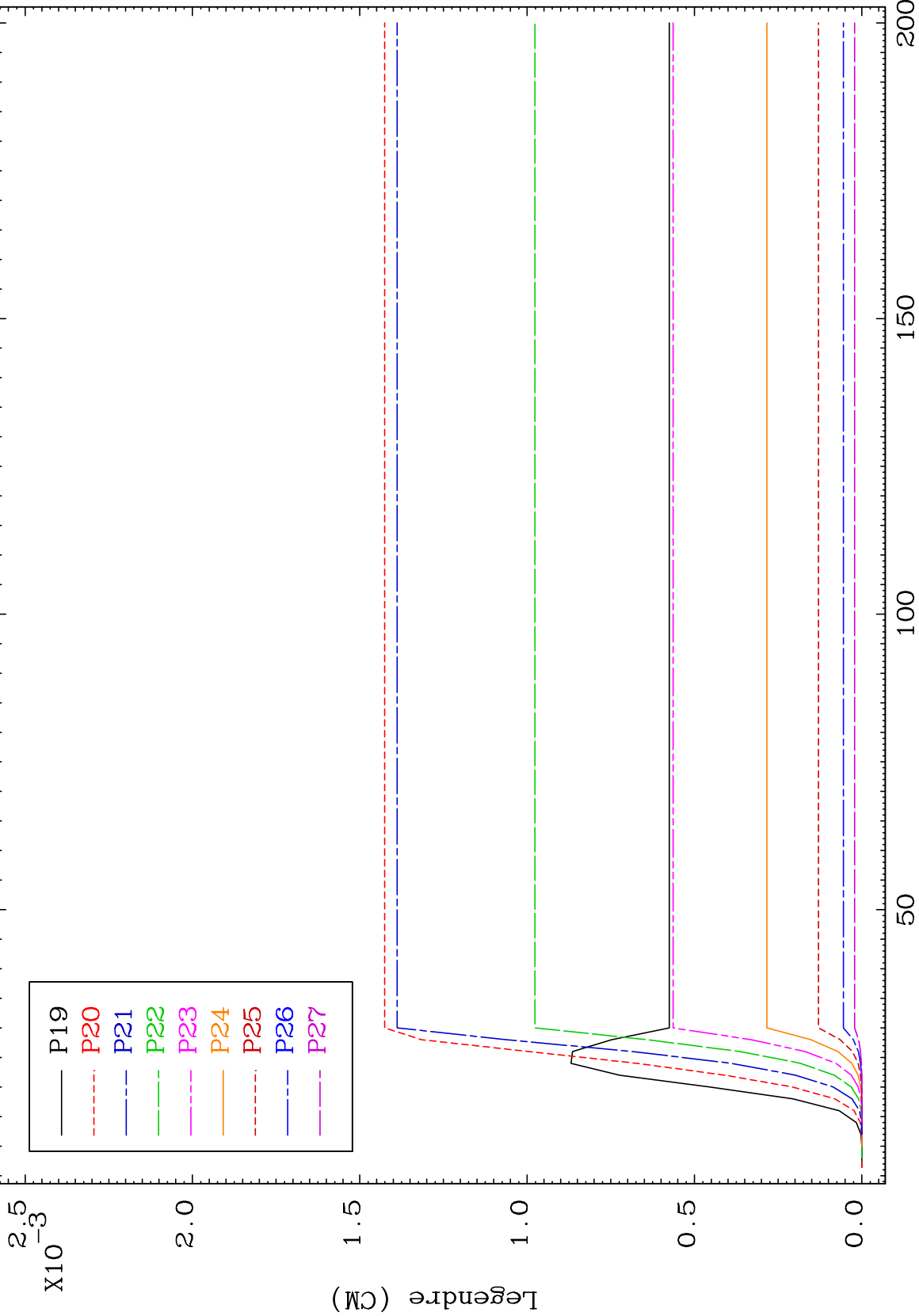
Incident Energy (MeV)

45

MAT 6816

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

68-Er-159



46

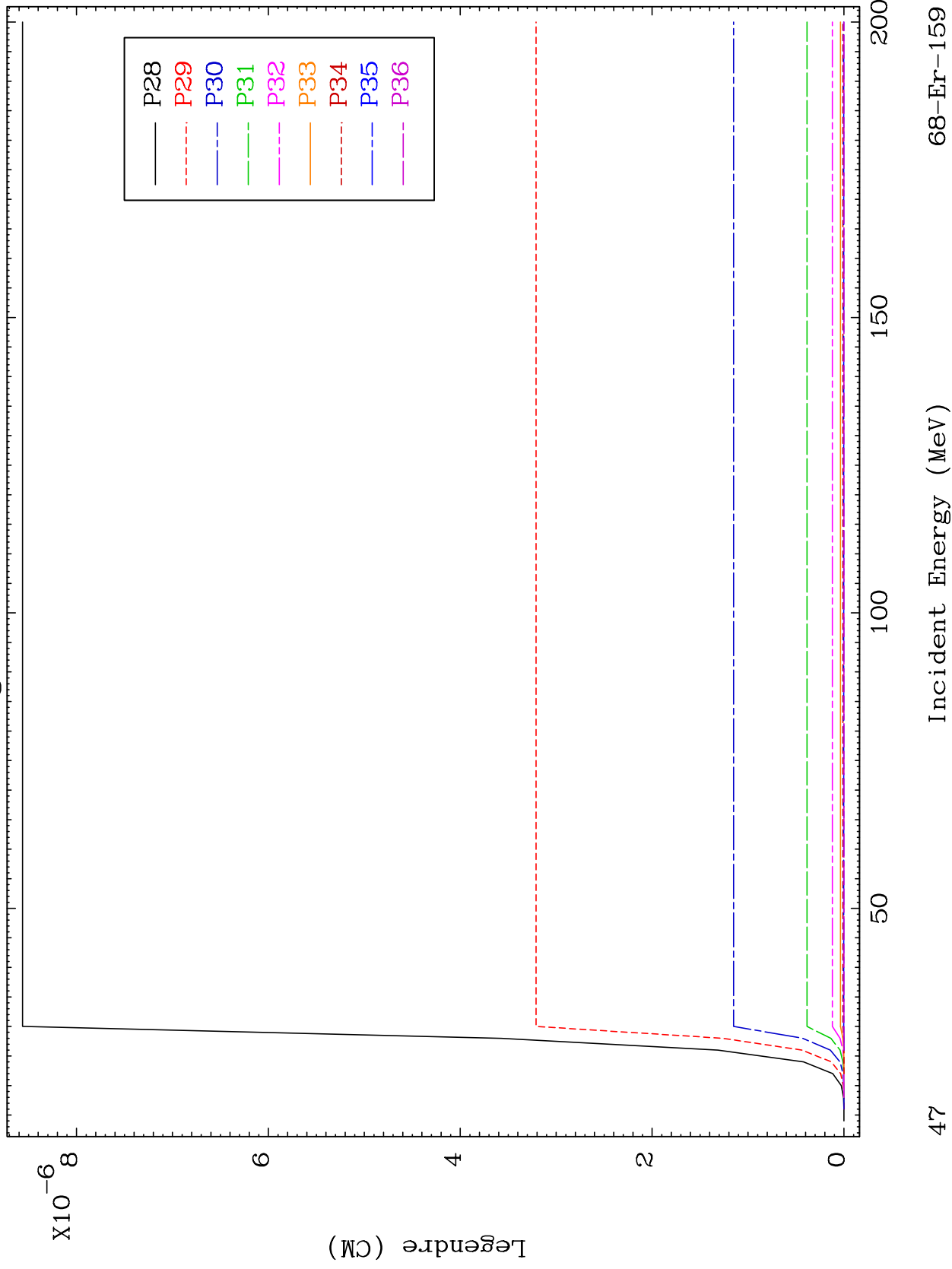
Incident Energy (MeV)

68-Er-159

MAT 6816

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

68-Er-159



47

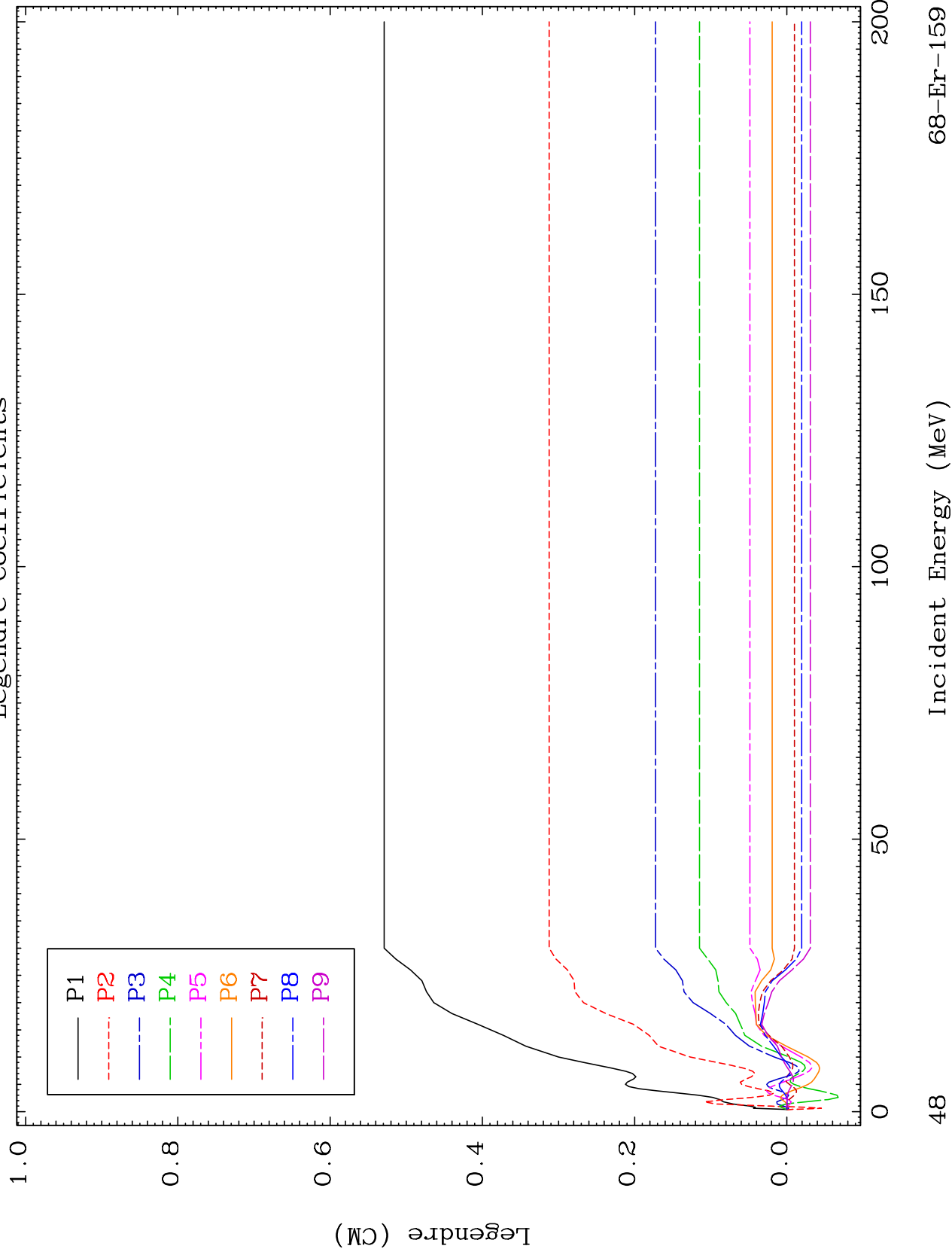
Incident Energy (MeV)

68-Er-159

MAT 6816

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

68-Er-159



68-Er-159

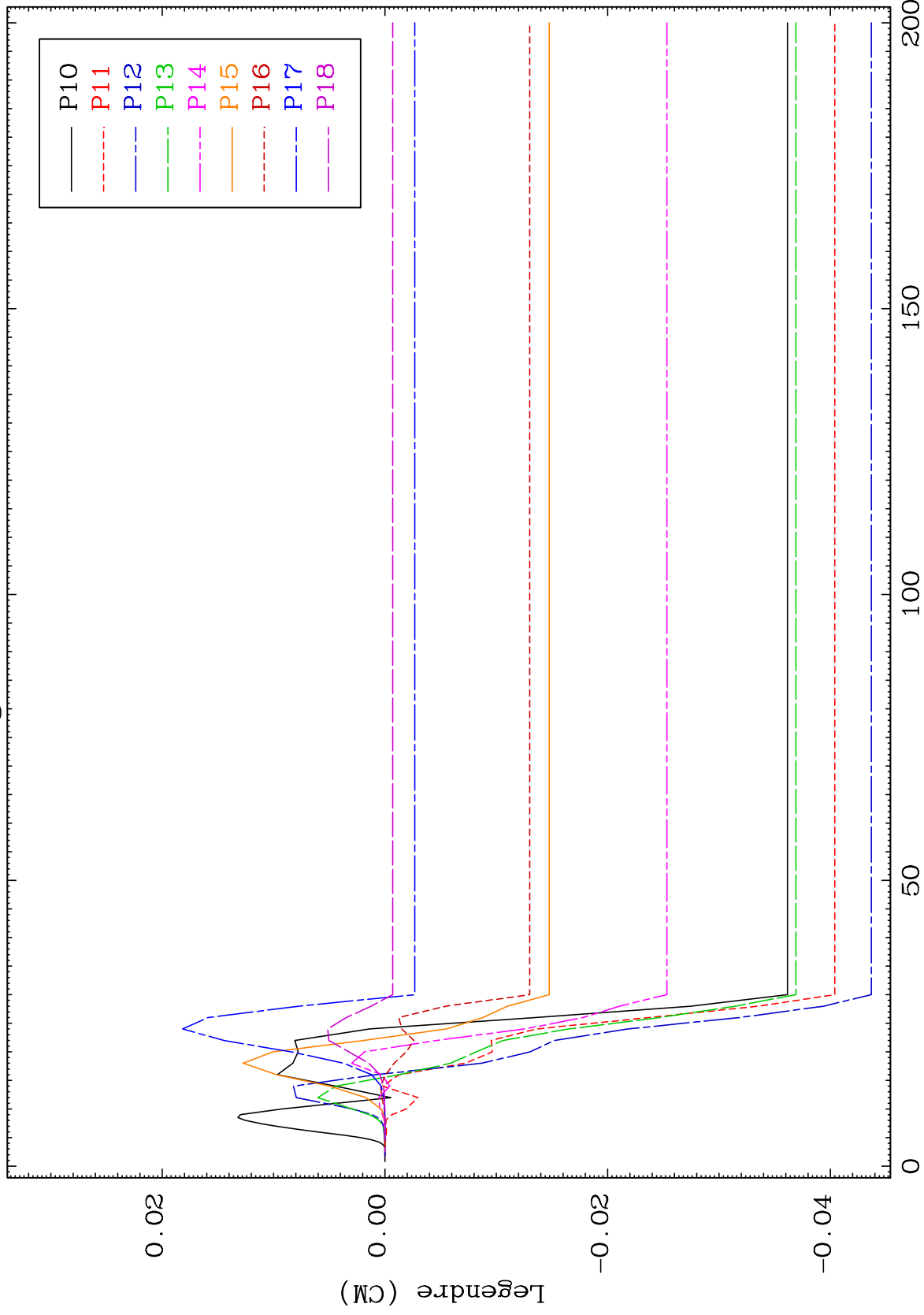
Incident Energy (MeV)

48

MAT 6816

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

68-Er-159



49

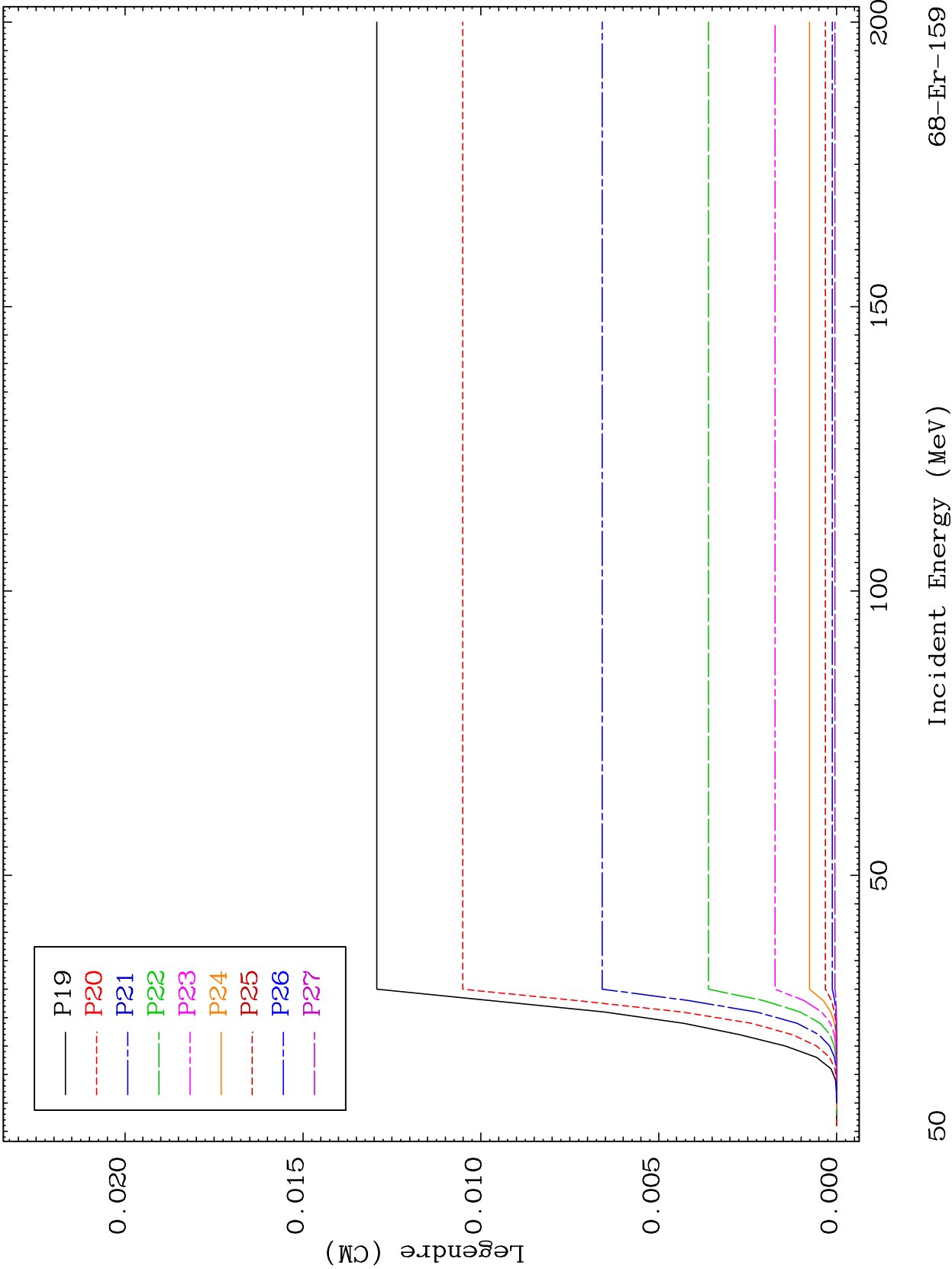
Incident Energy (MeV)

68-Er-159

MAT 6816

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

68-Er-159



68-Er-159

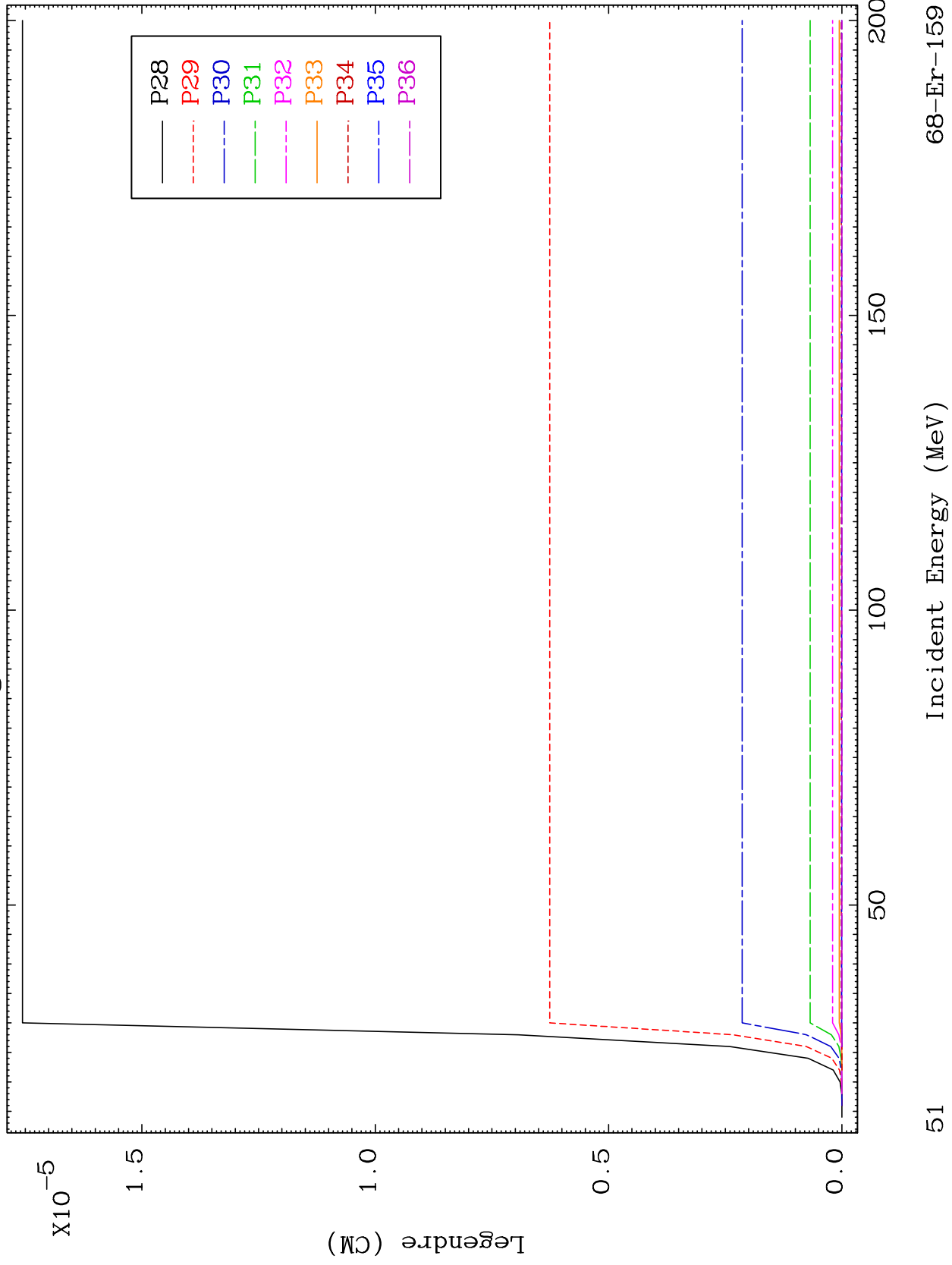
Incident Energy (MeV)

50

MAT 6816

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

68-Er-159



51

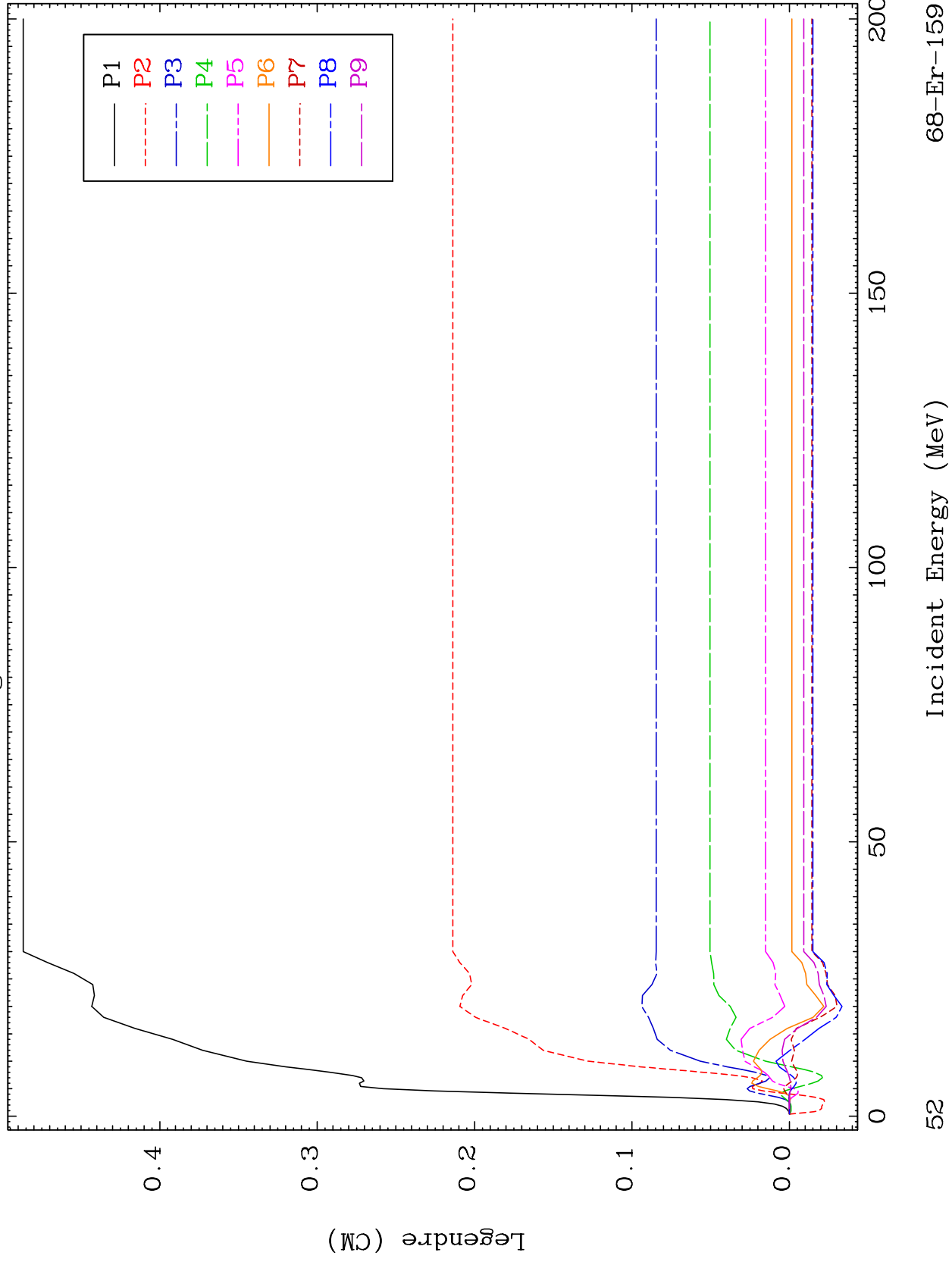
Incident Energy (MeV)

68-Er-159

MAT 6816

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

68-Er-159



68-Er-159

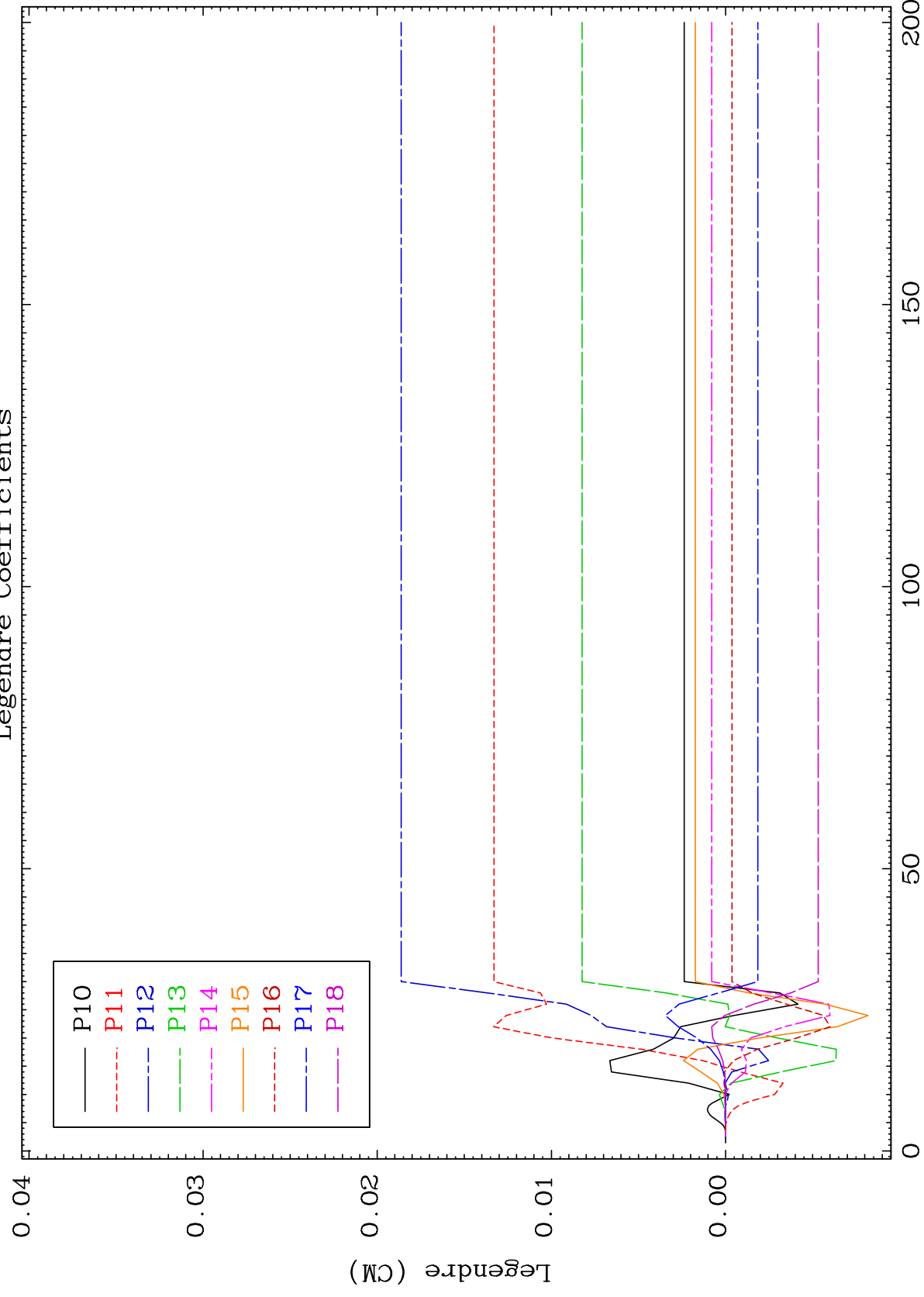
Incident Energy (MeV)

52

MAT 6816

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

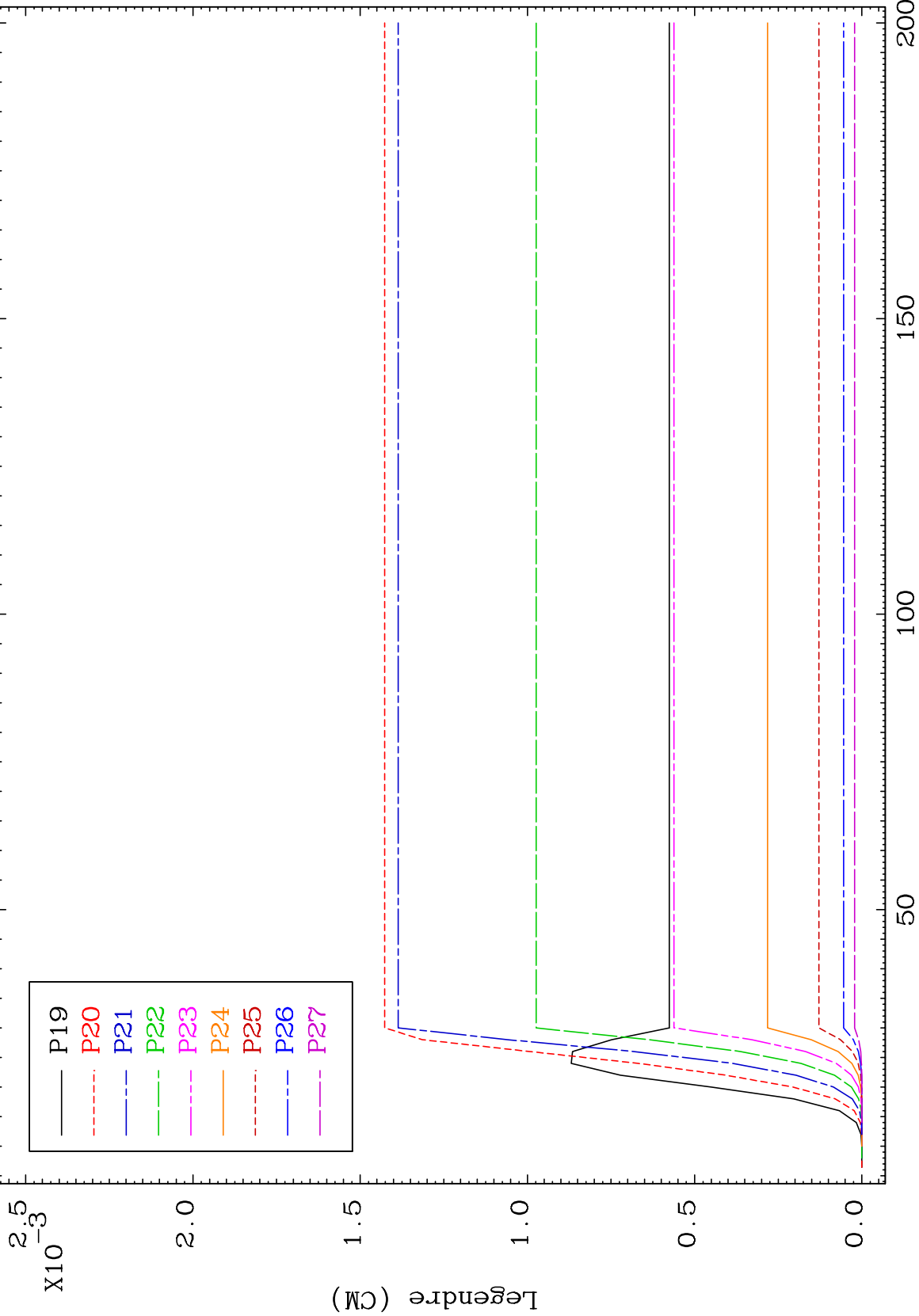
68-Er-159



53

Incident Energy (MeV)

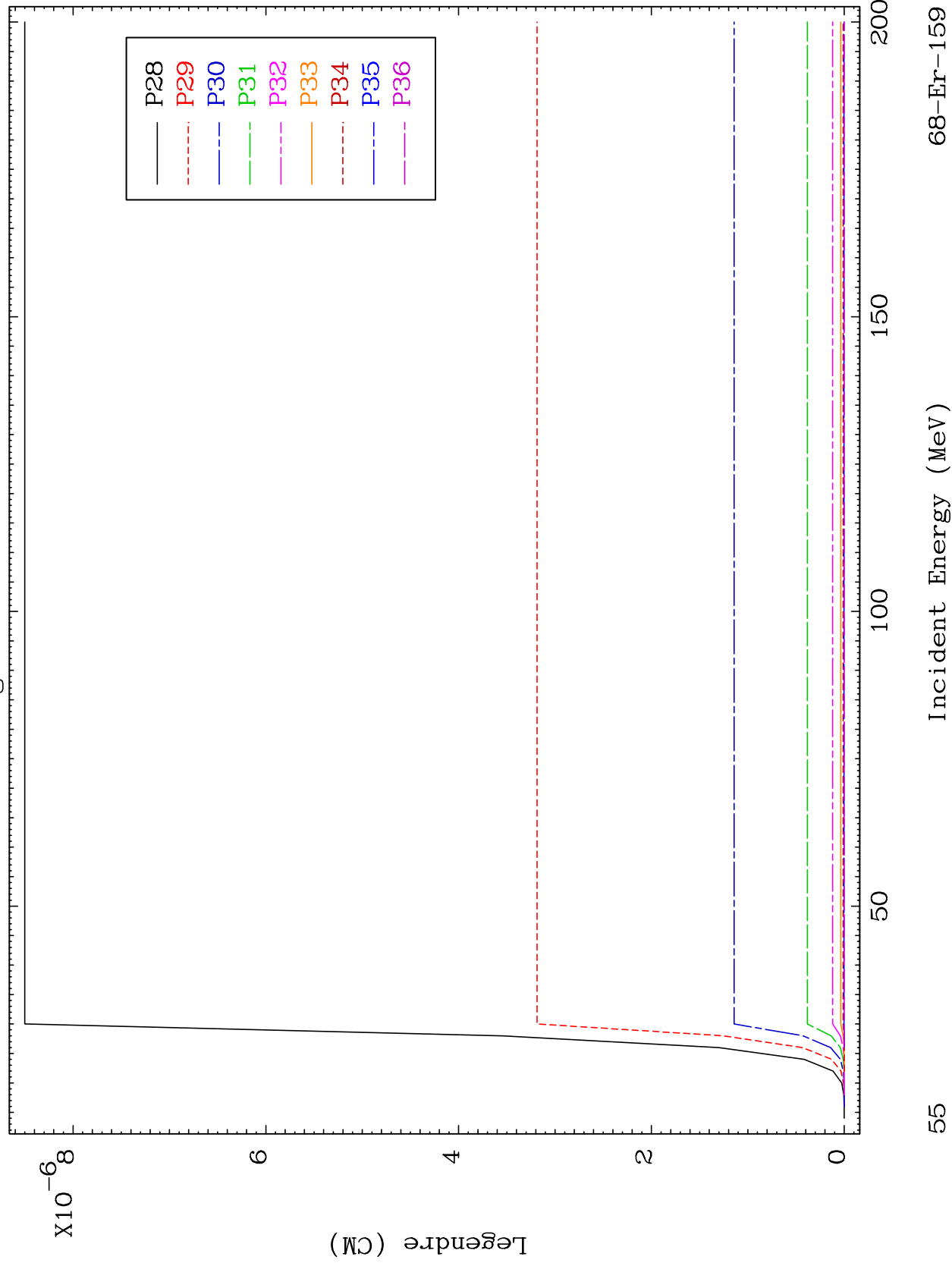
68-Er-159

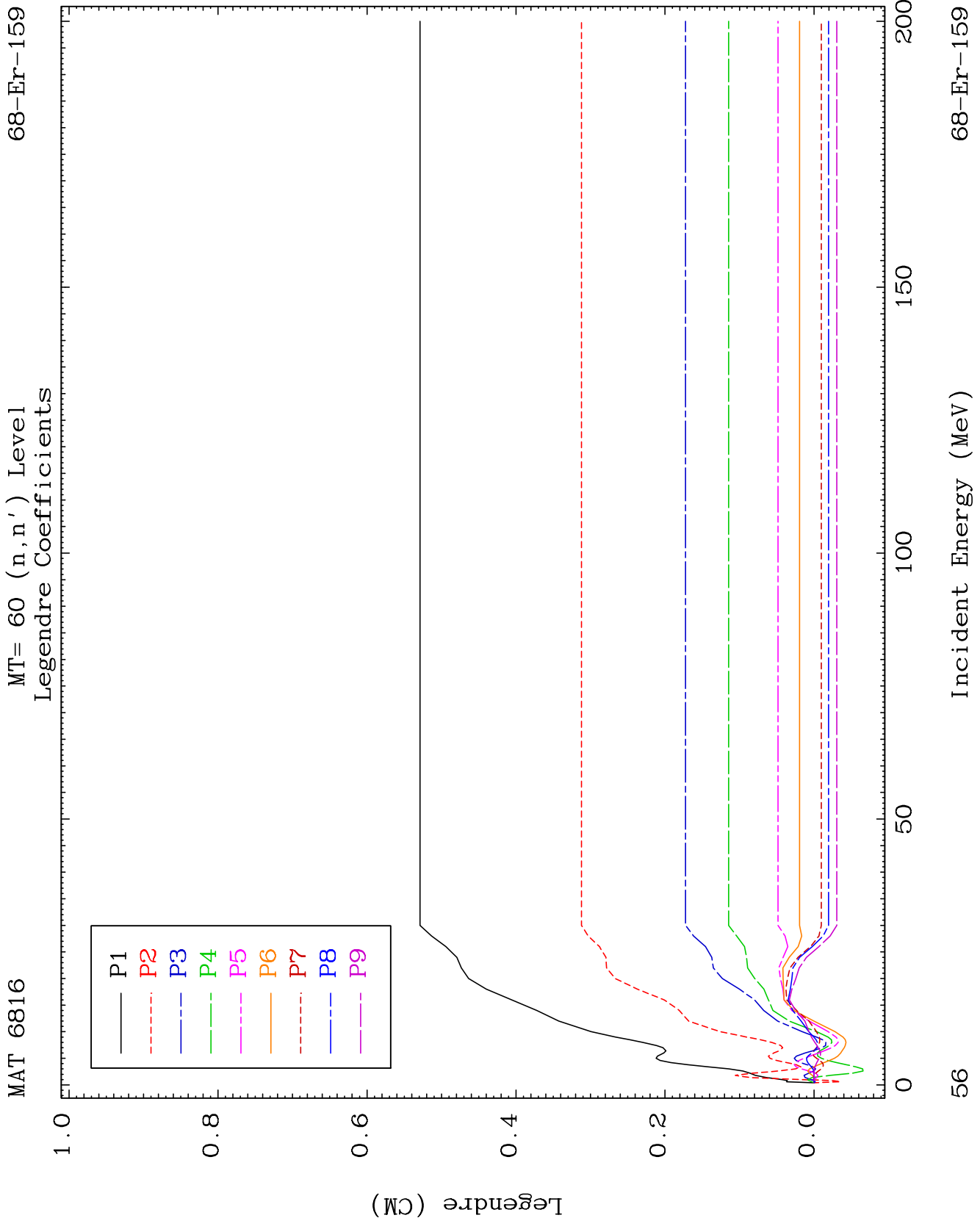


MAT 6816

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

68-Er-159

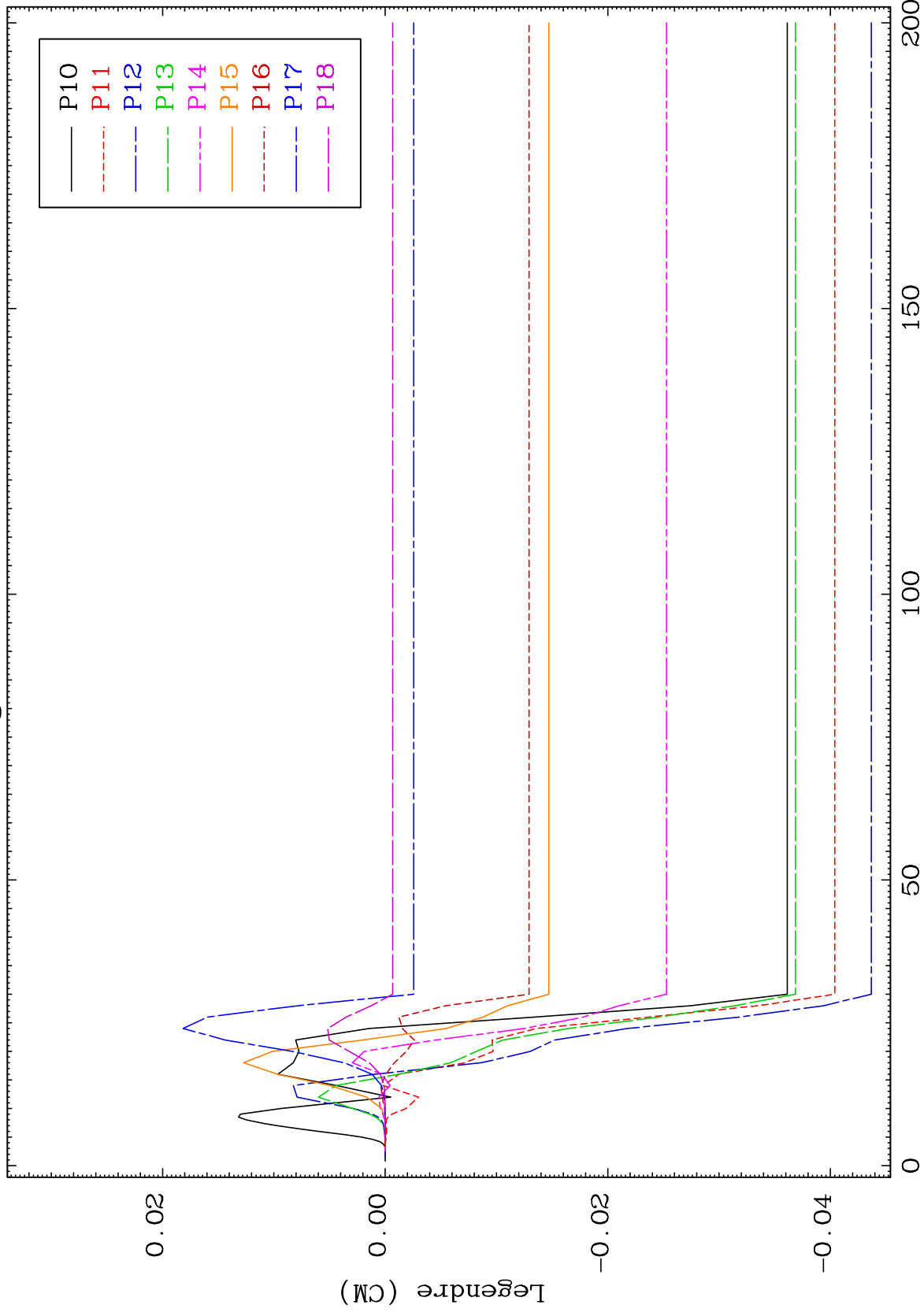




MAT 6816

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

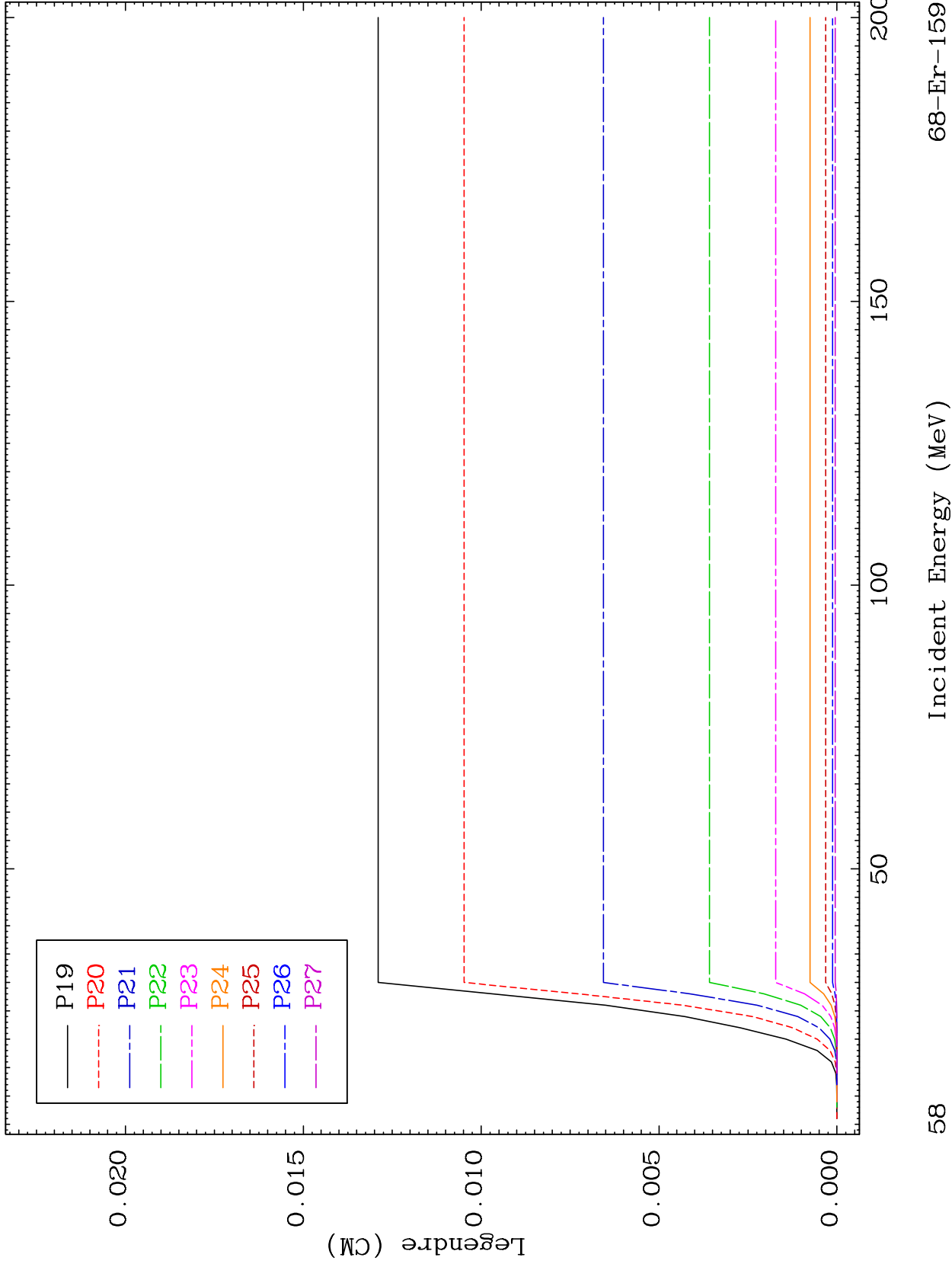
68-Er-159



57

Incident Energy (MeV)

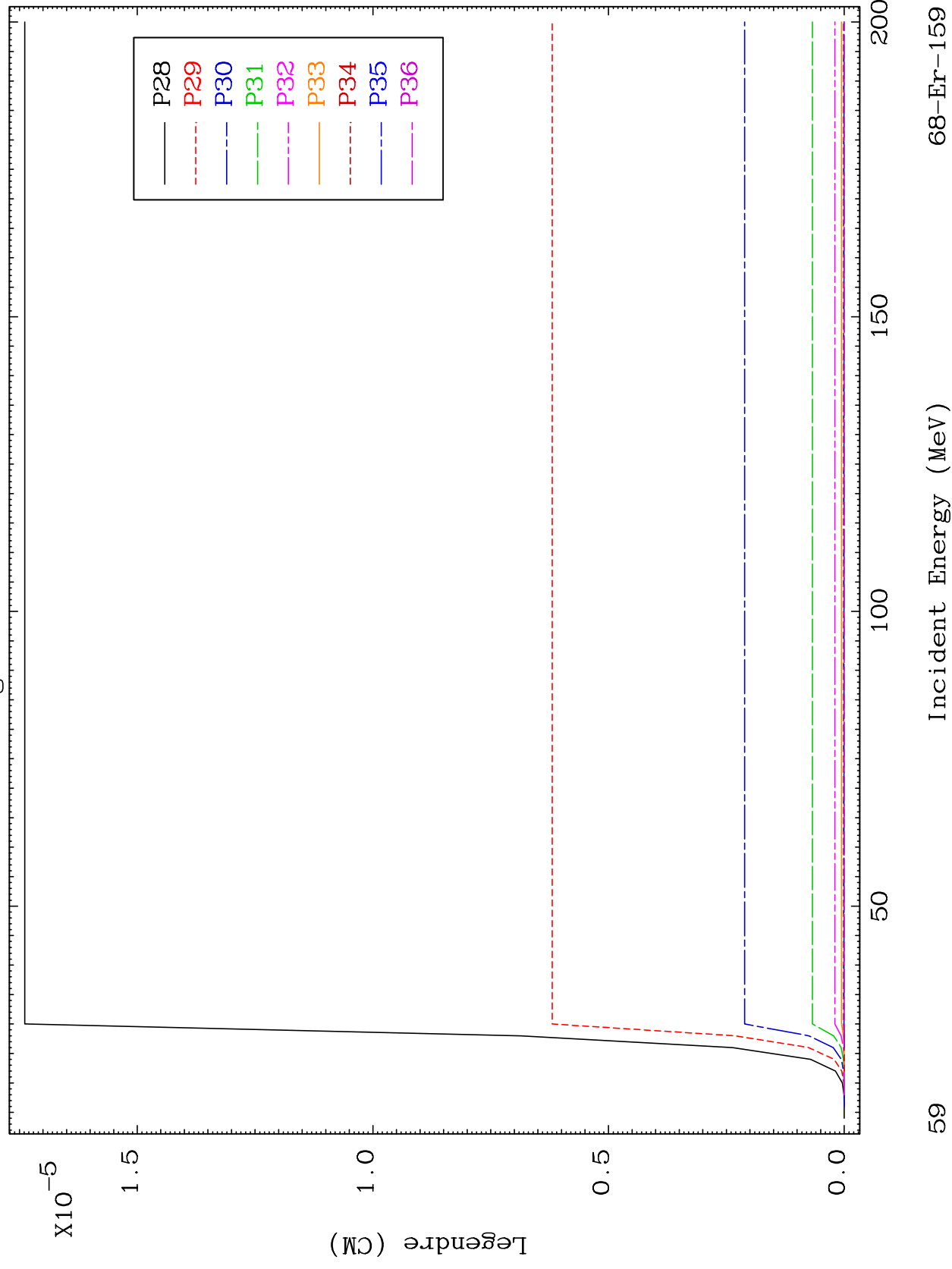
68-Er-159



MAT 6816

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

68-Er-159



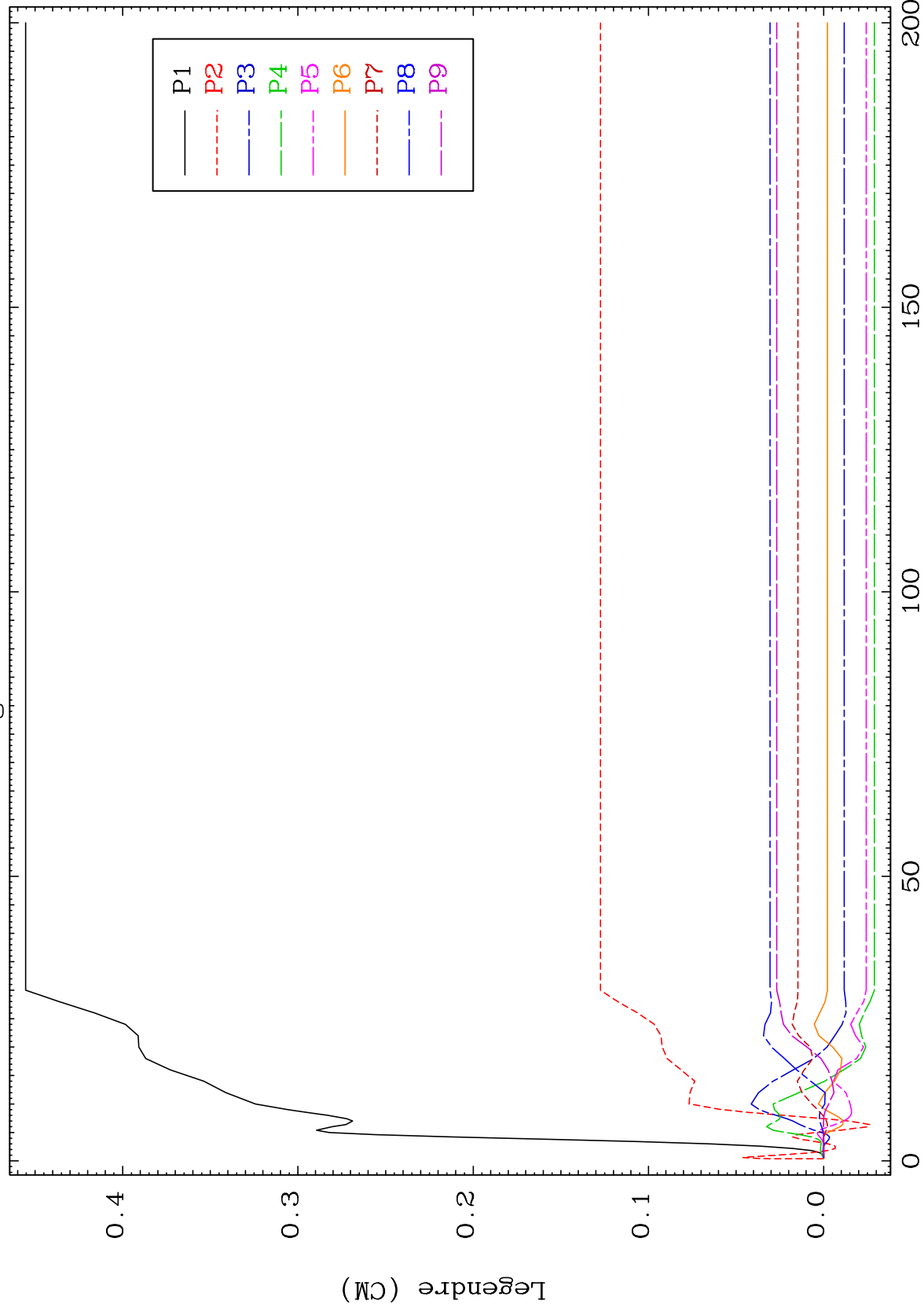
59

68-Er-159

MAT 6816

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

68-Er-159



68-Er-159

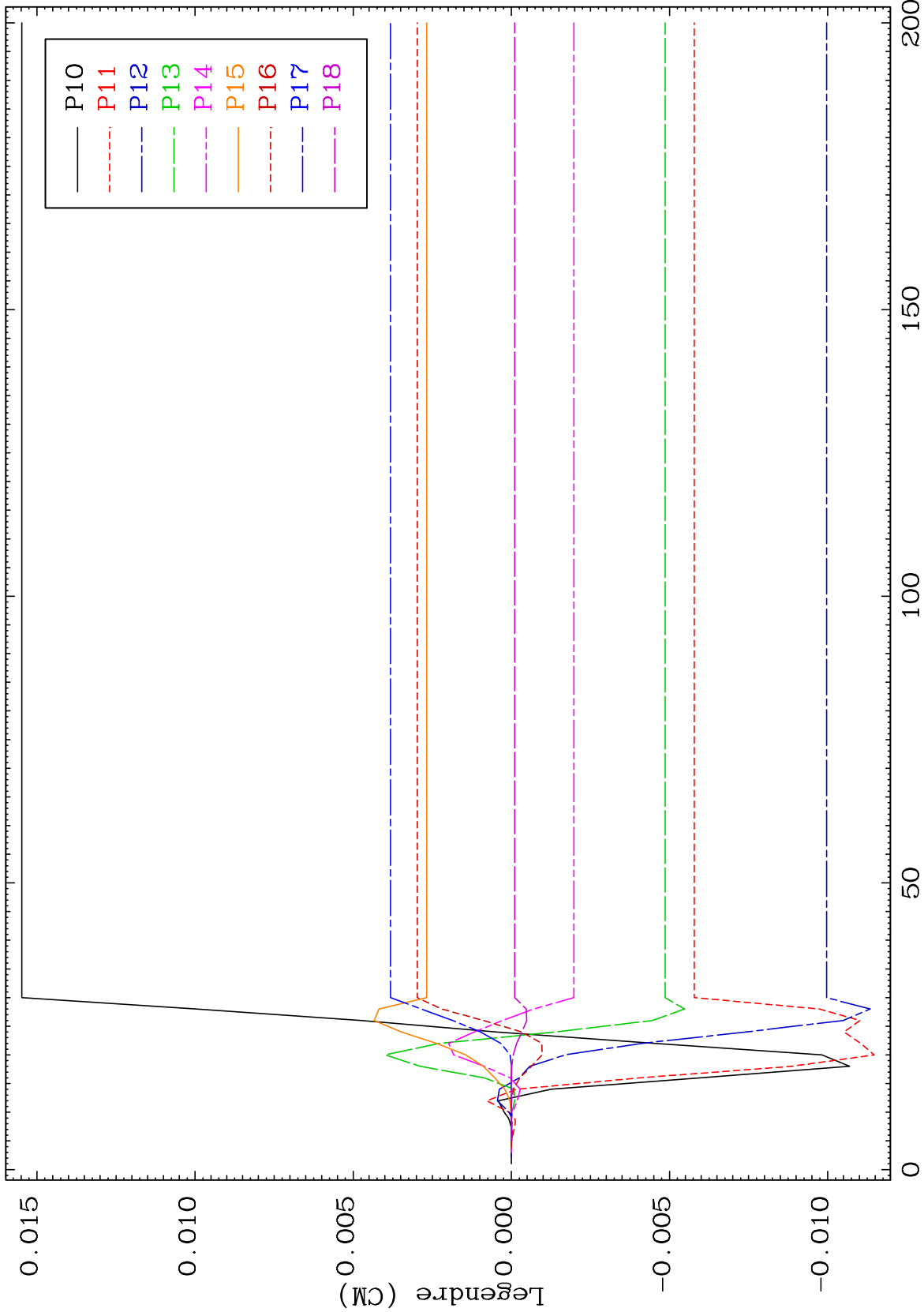
Incident Energy (MeV)

60

MAT 6816

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

68-Er-159



61

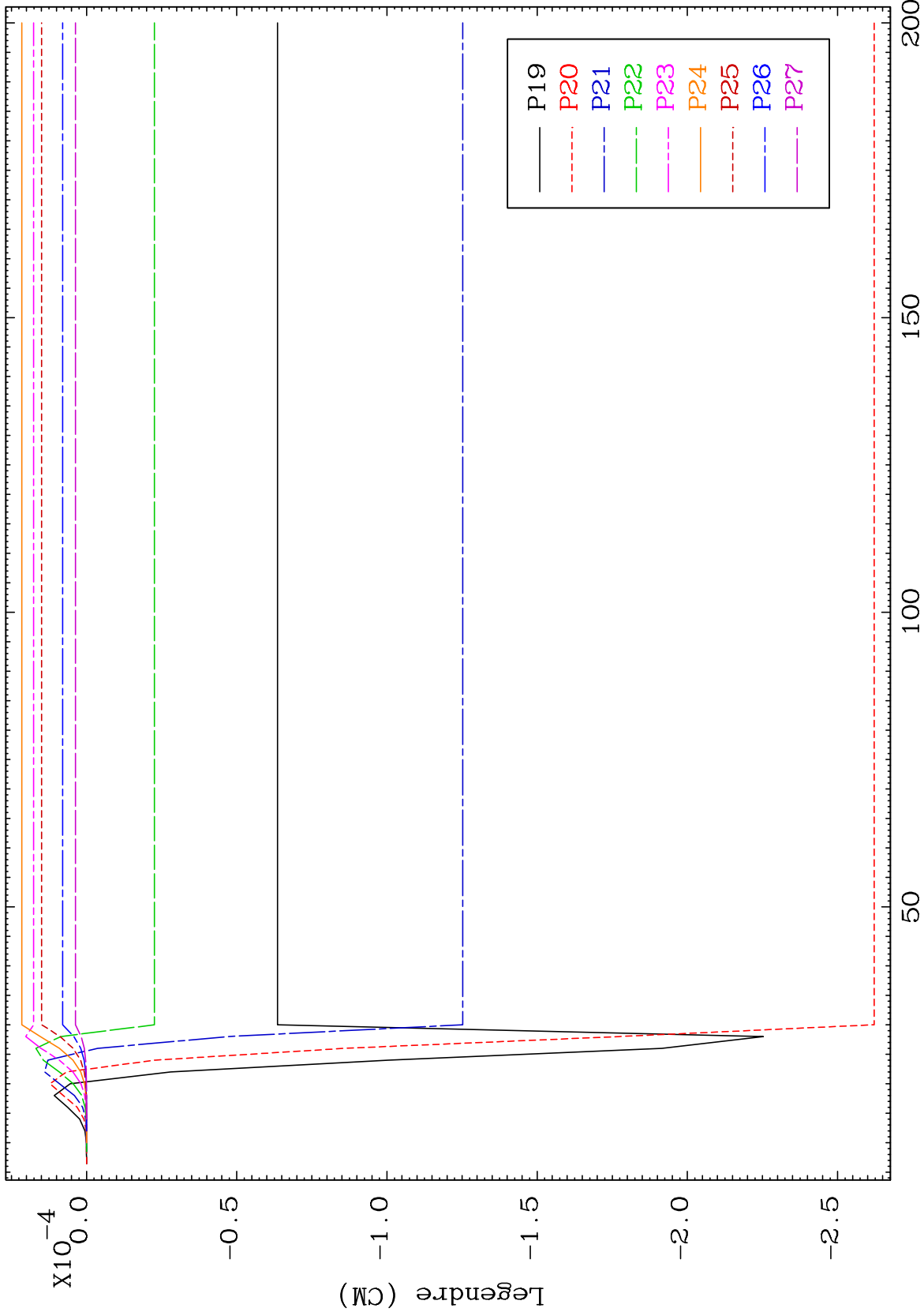
Incident Energy (MeV)

68-Er-159

MAT 6816

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

68-Er-159



62

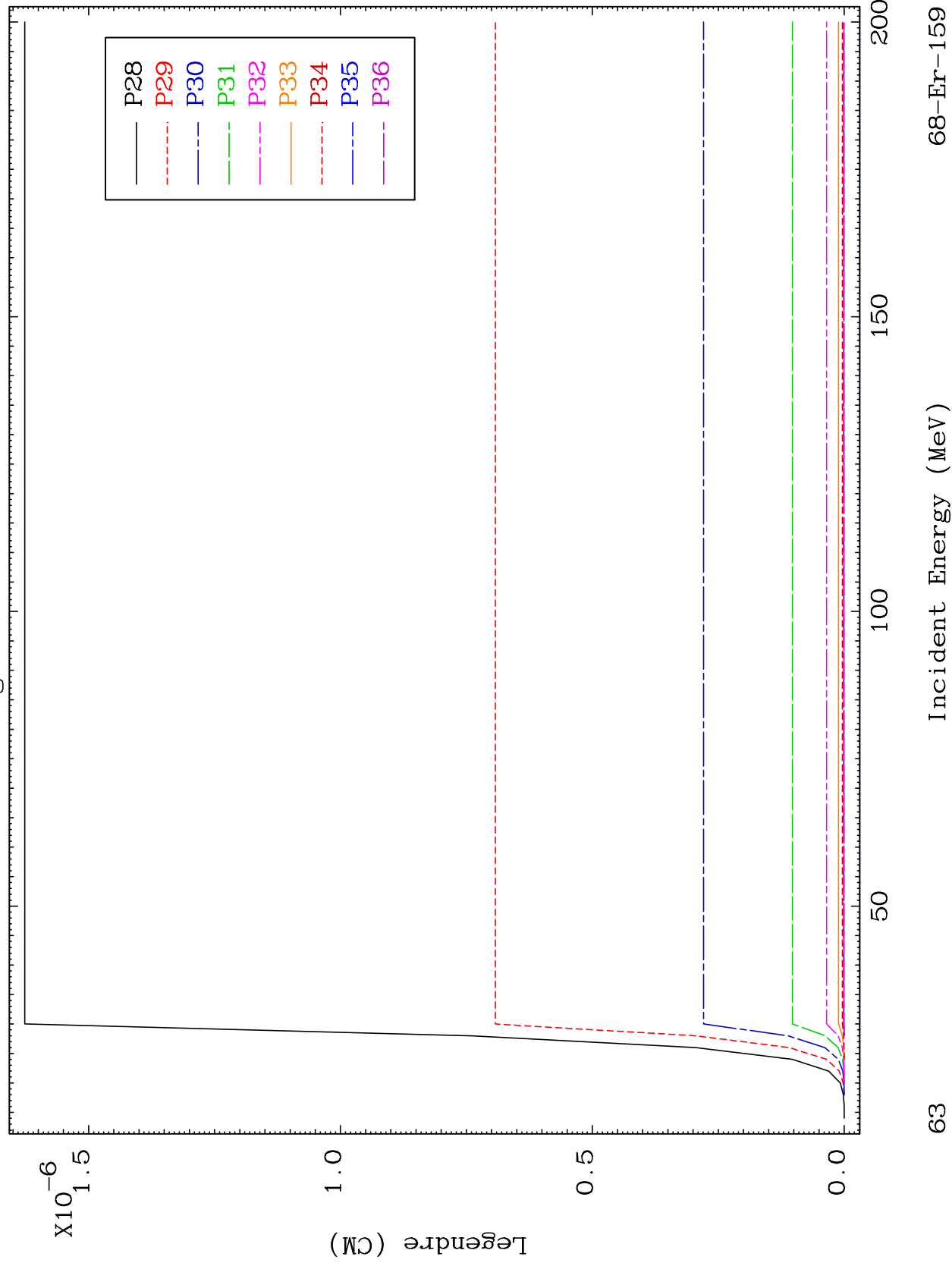
Incident Energy (MeV)

68-Er-159

MAT 6816

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

68-Er-159



63

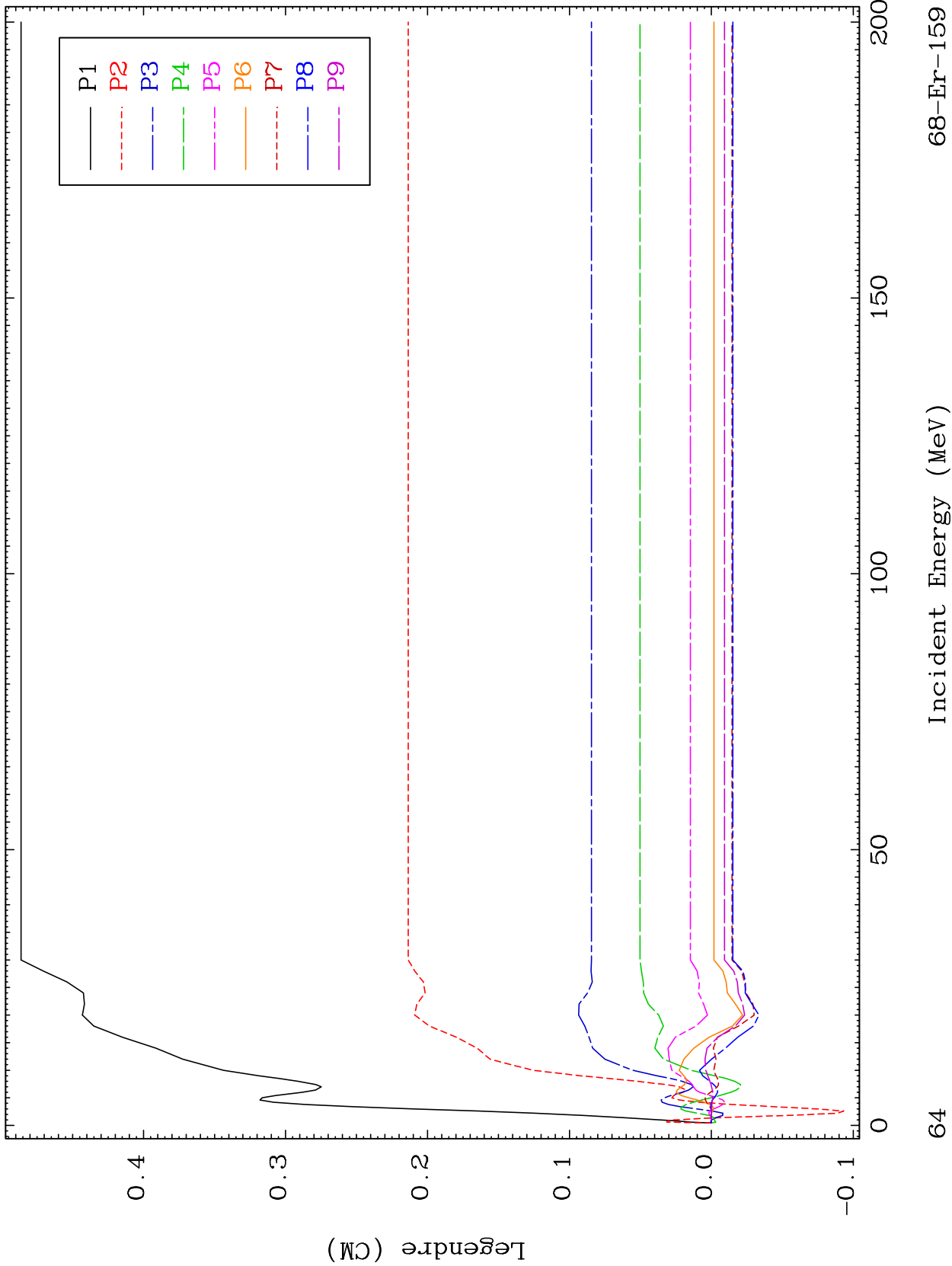
Incident Energy (MeV)

68-Er-159

MAT 6816

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

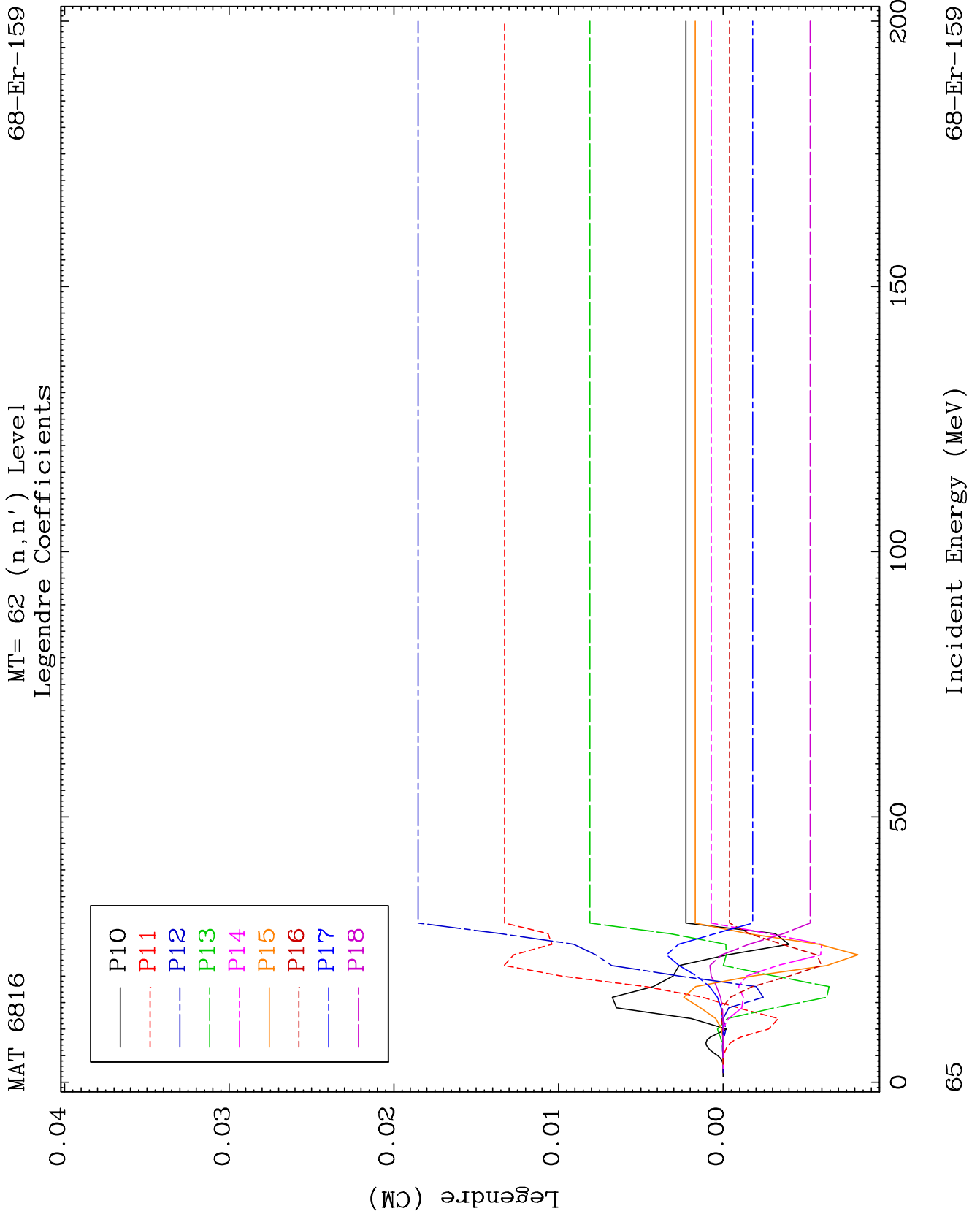
68-Er-159



68-Er-159

Incident Energy (MeV)

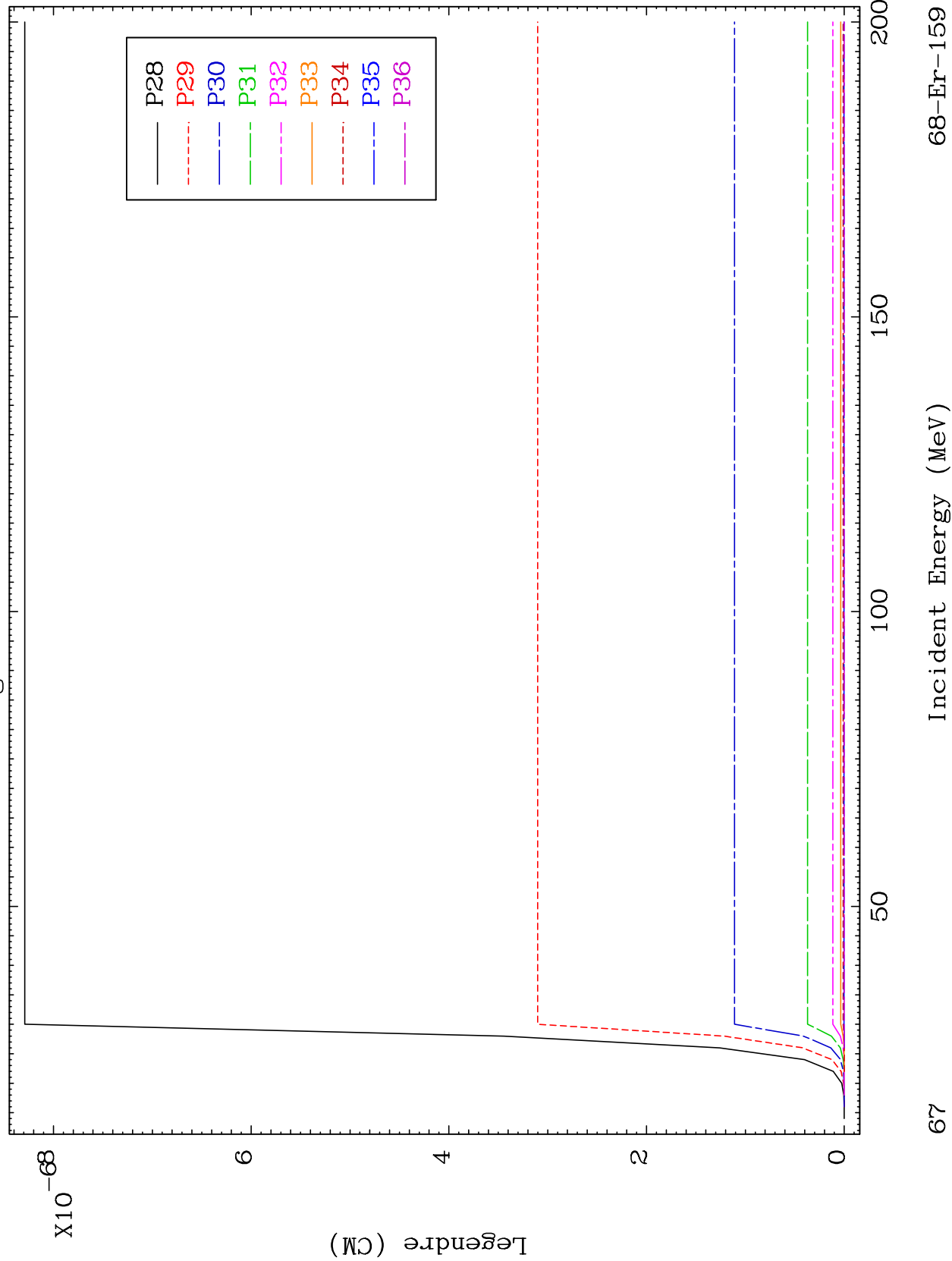
64



MAT 6816

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

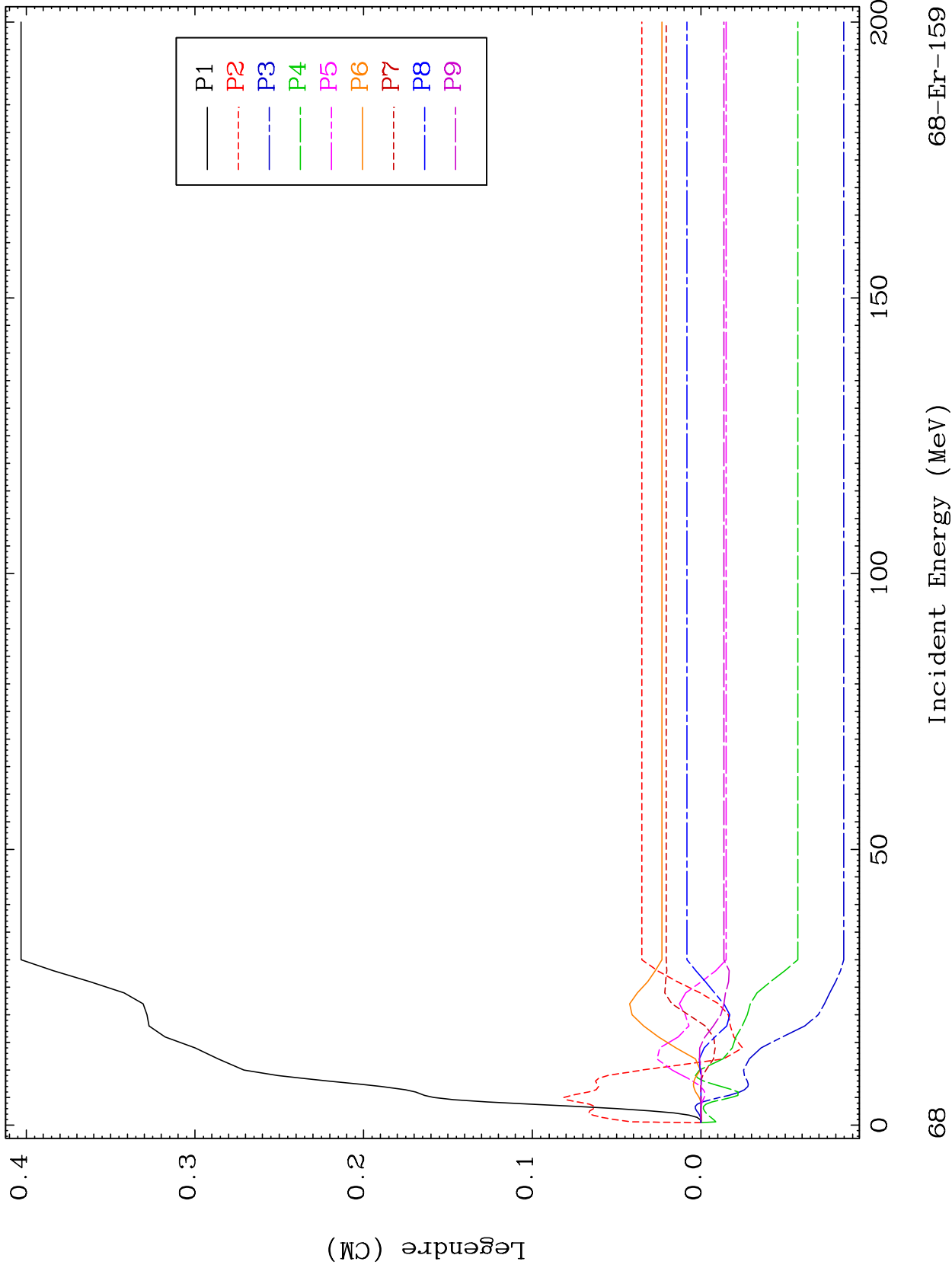
68-Er-159



MAT 6816

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

68-Er-159



68-Er-159

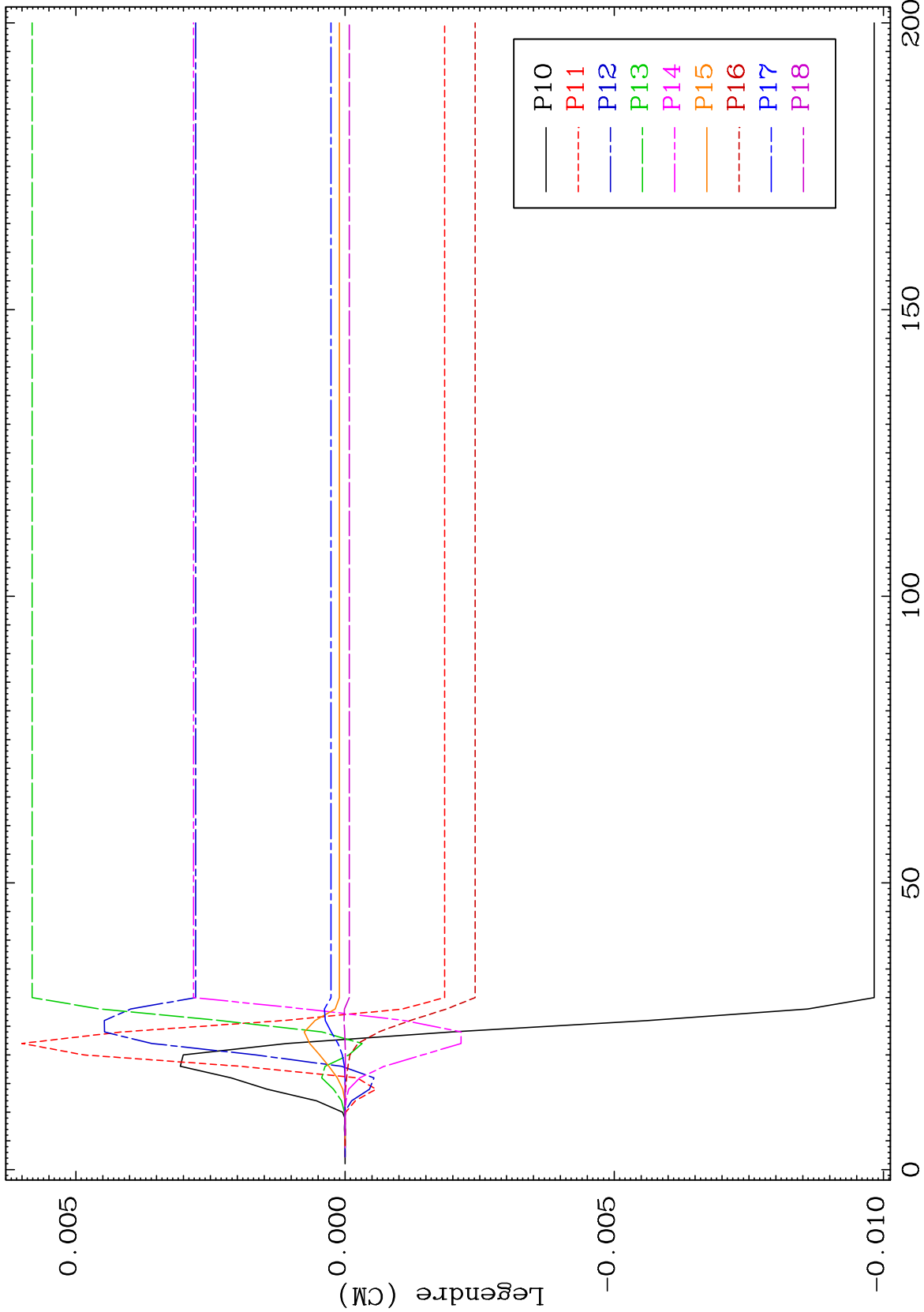
Incident Energy (MeV)

68

MAT 6816

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

68-Er-159



69

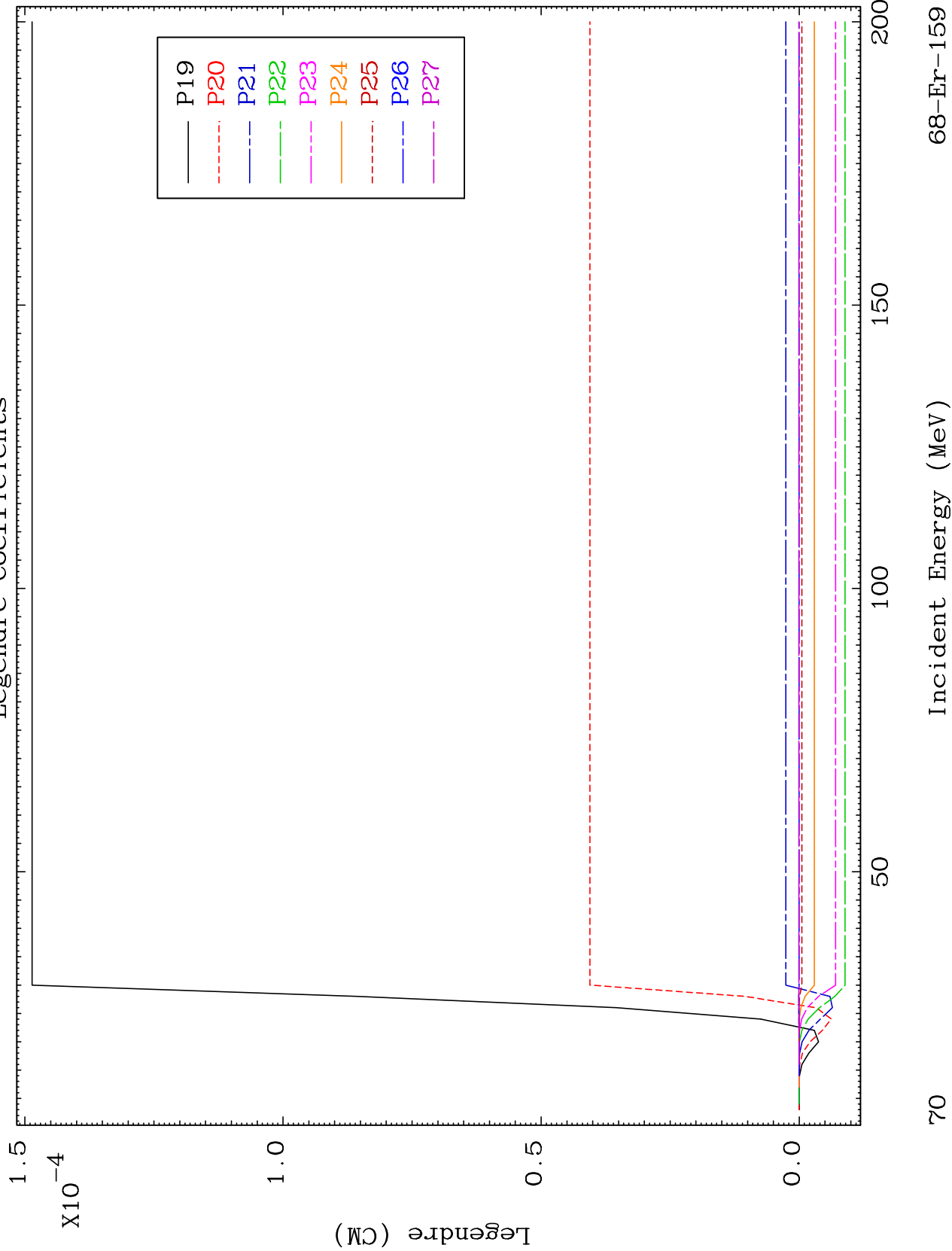
Incident Energy (MeV)

68-Er-159

MAT 6816

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

68-Er-159



68-Er-159

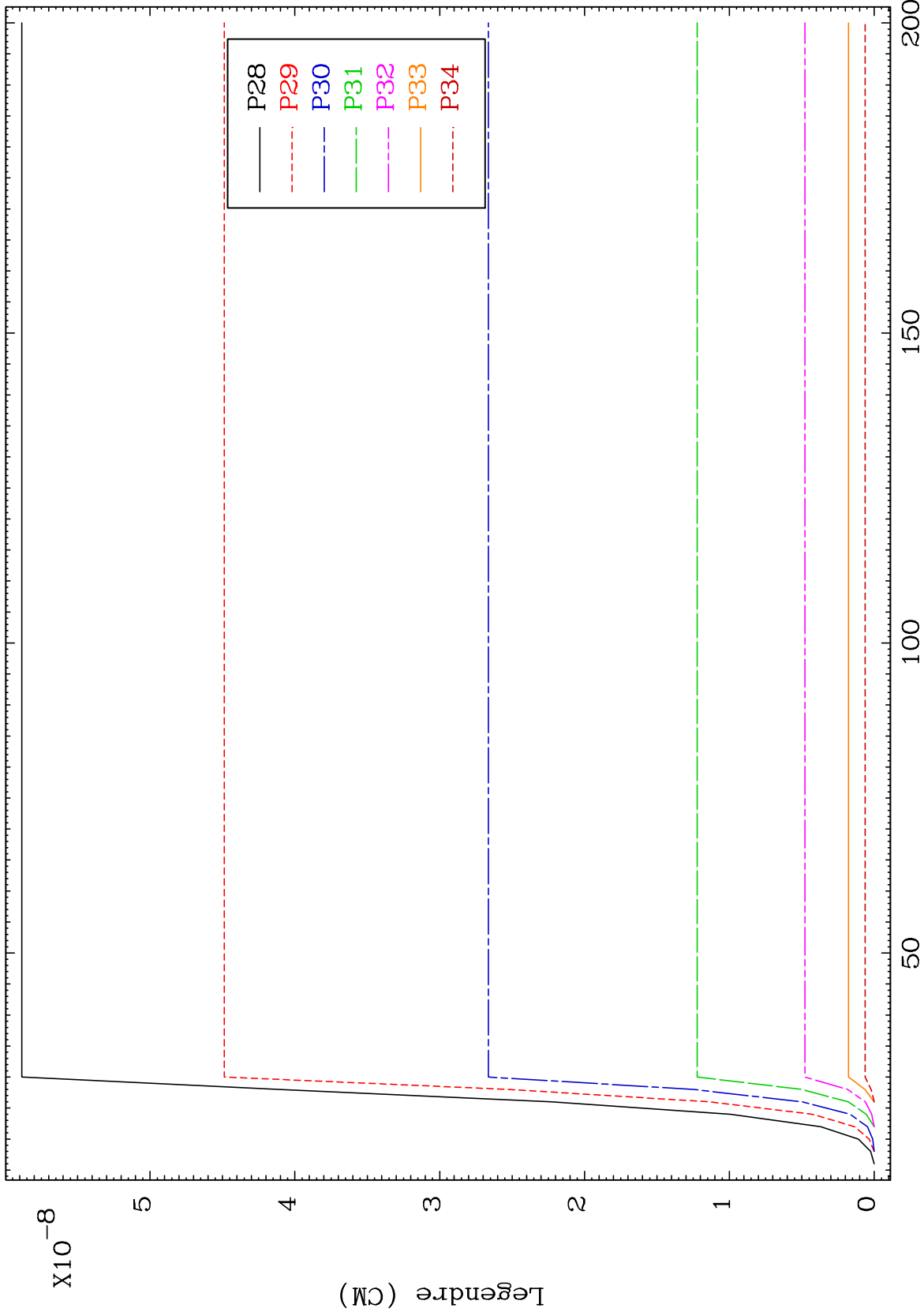
Incident Energy (MeV)

70

MAT 6816

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

68-Er-159



71

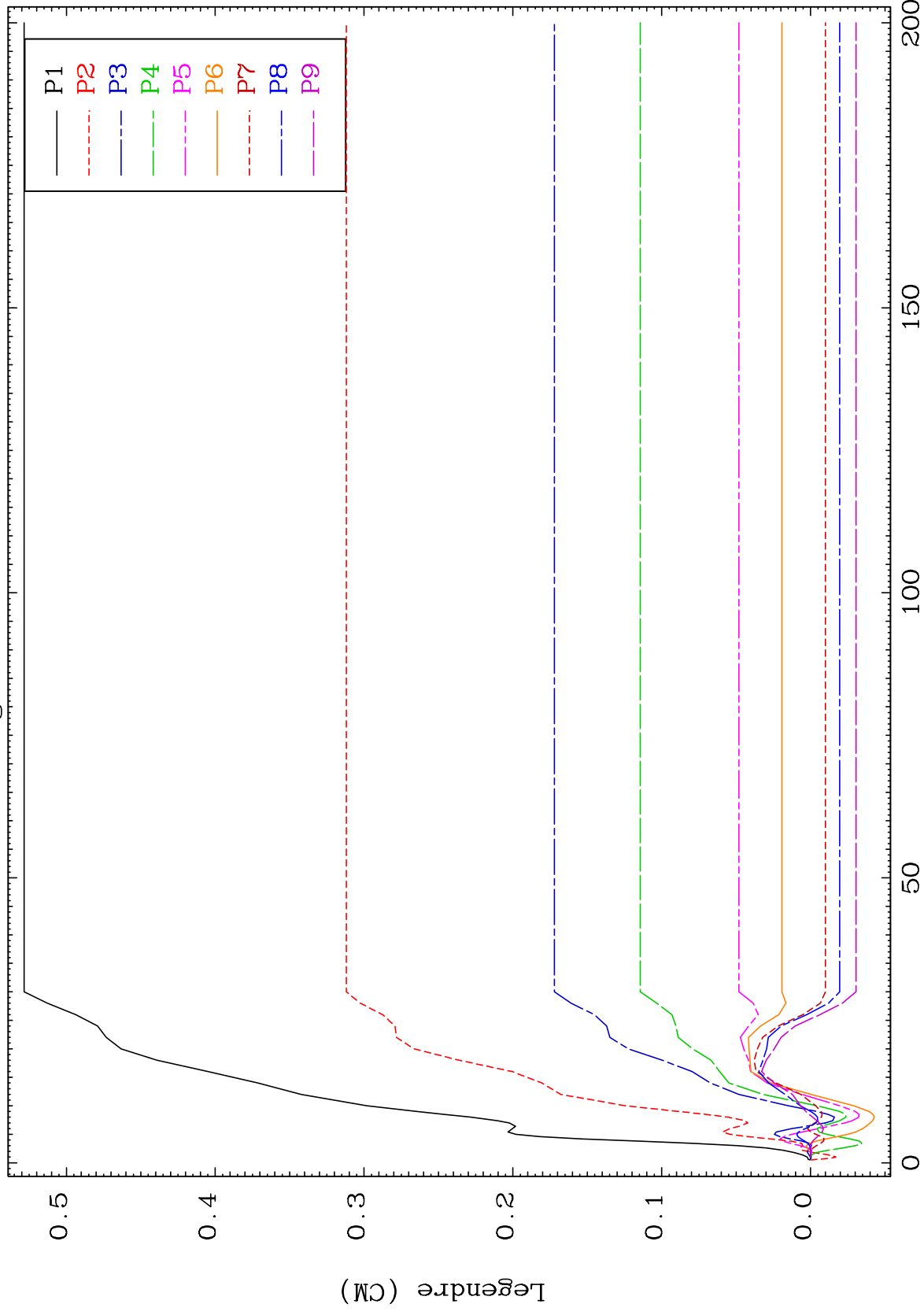
Incident Energy (MeV)

68-Er-159

MAT 6816

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

68-Er-159



72

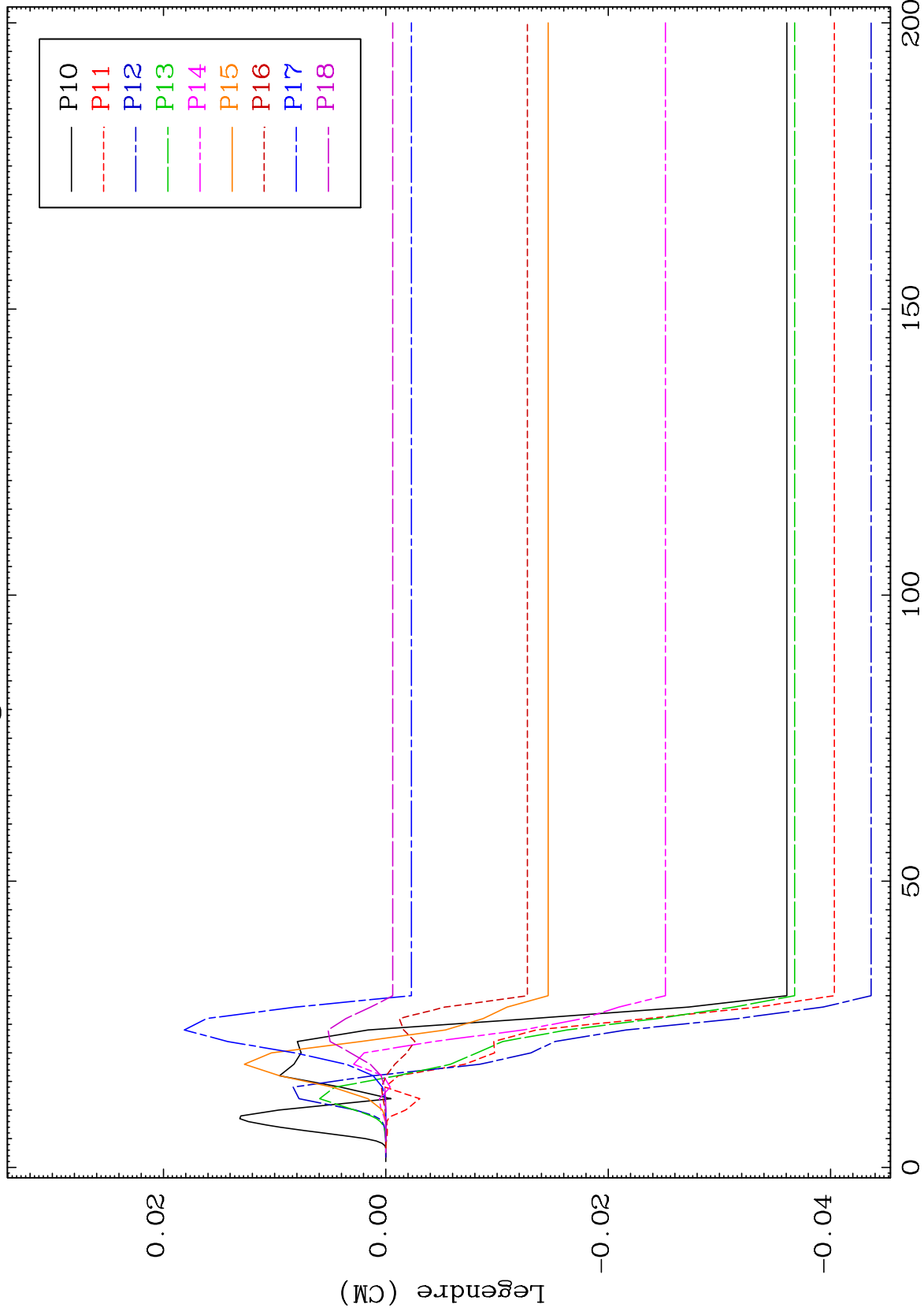
Incident Energy (MeV)

68-Er-159

MAT 6816

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

68-Er-159



73

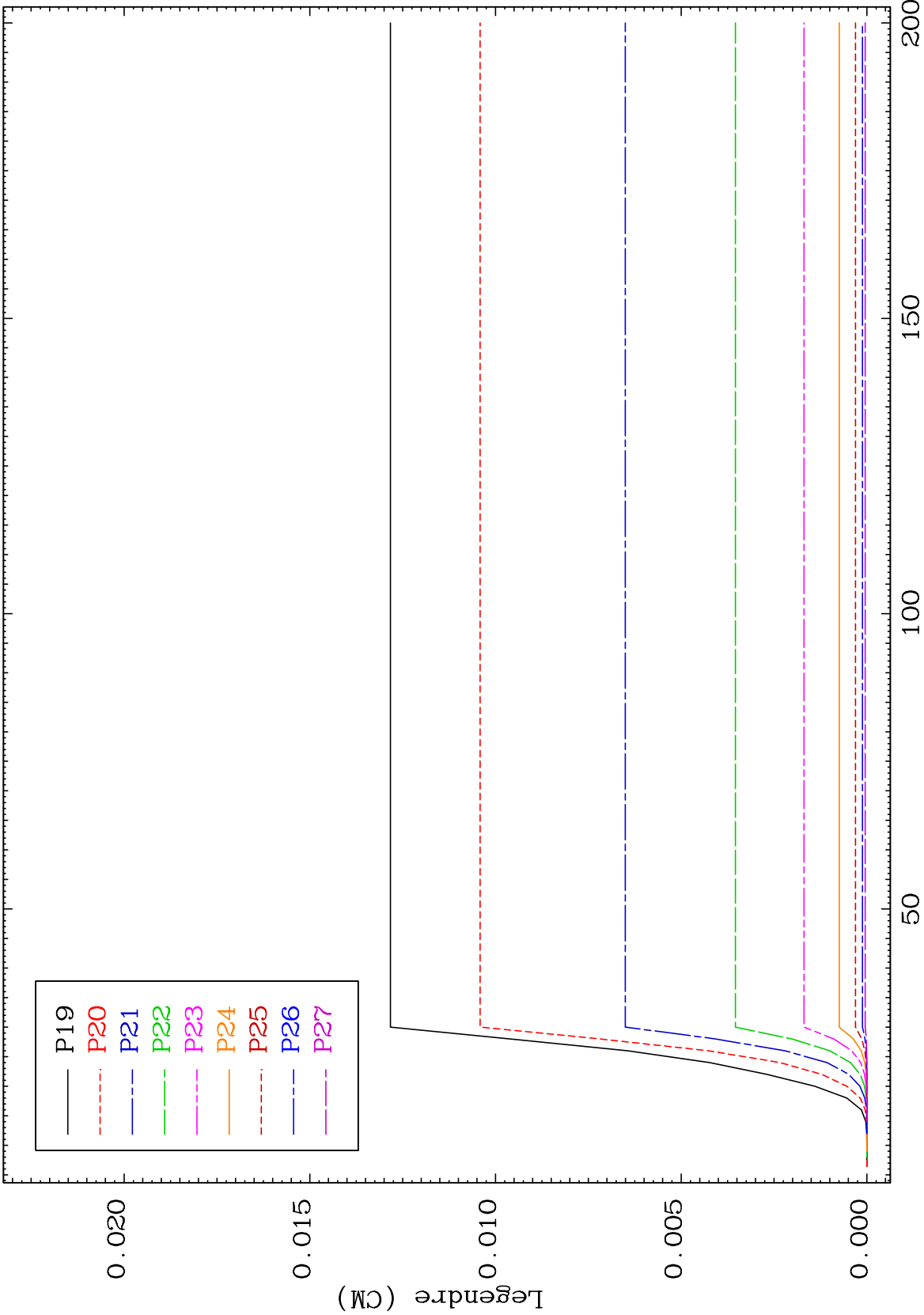
Incident Energy (MeV)

68-Er-159

MAT 6816

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

68-Er-159



74

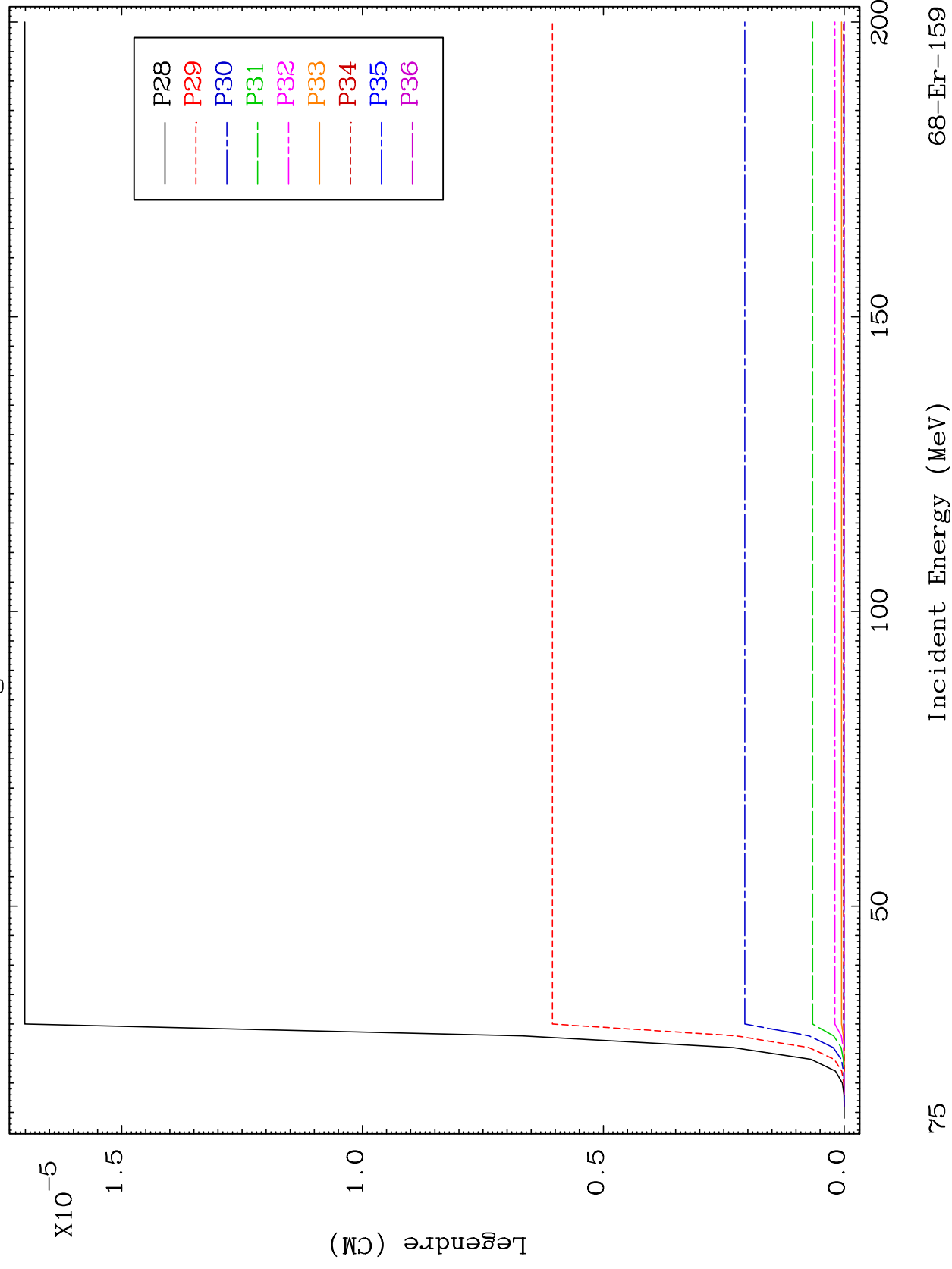
Incident Energy (MeV)

68-Er-159

MAT 6816

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

68-Er-159

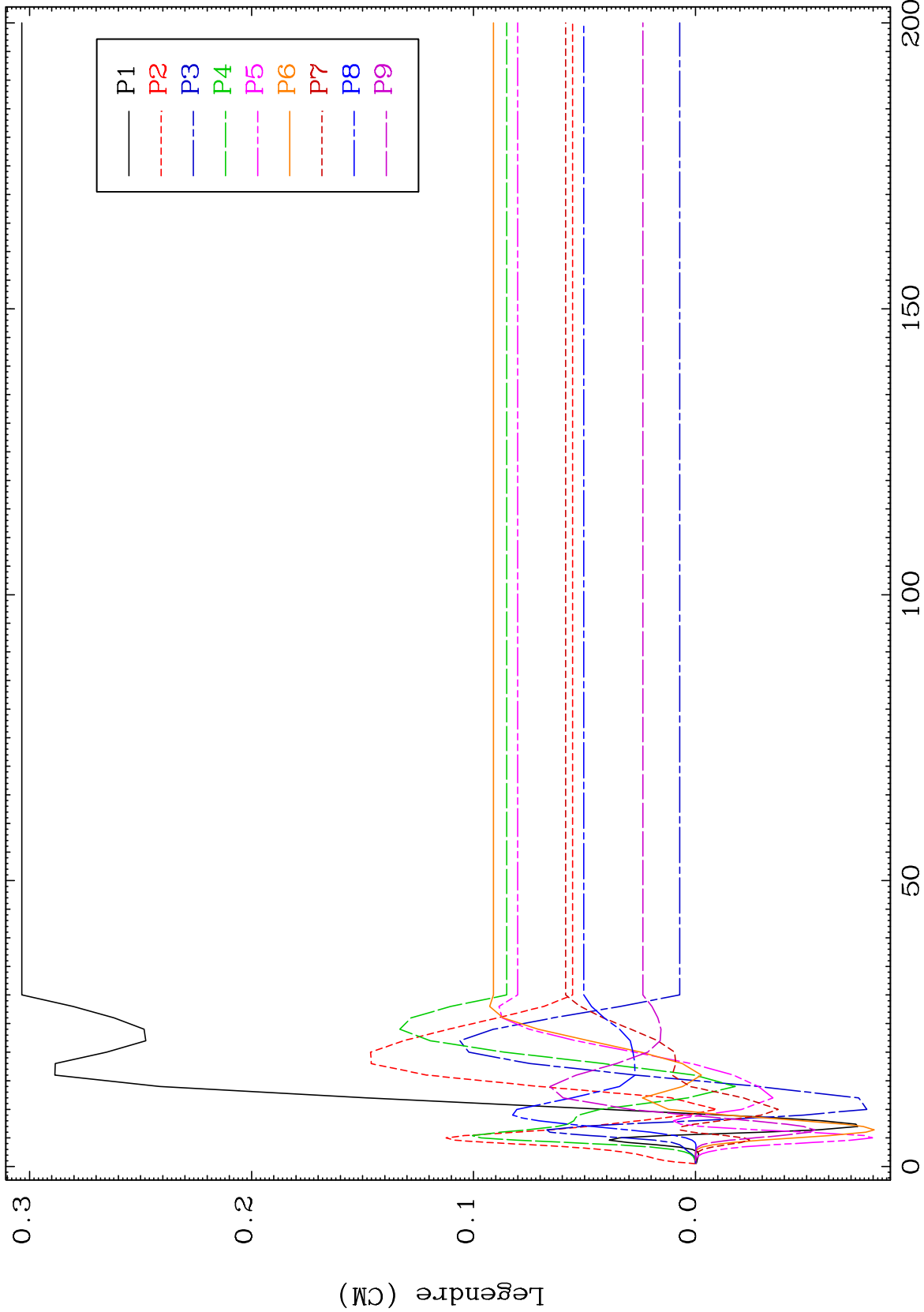


MAT 6816

MT= 65 (n,n') Level

68-Er-159

Legendre Coefficients



76

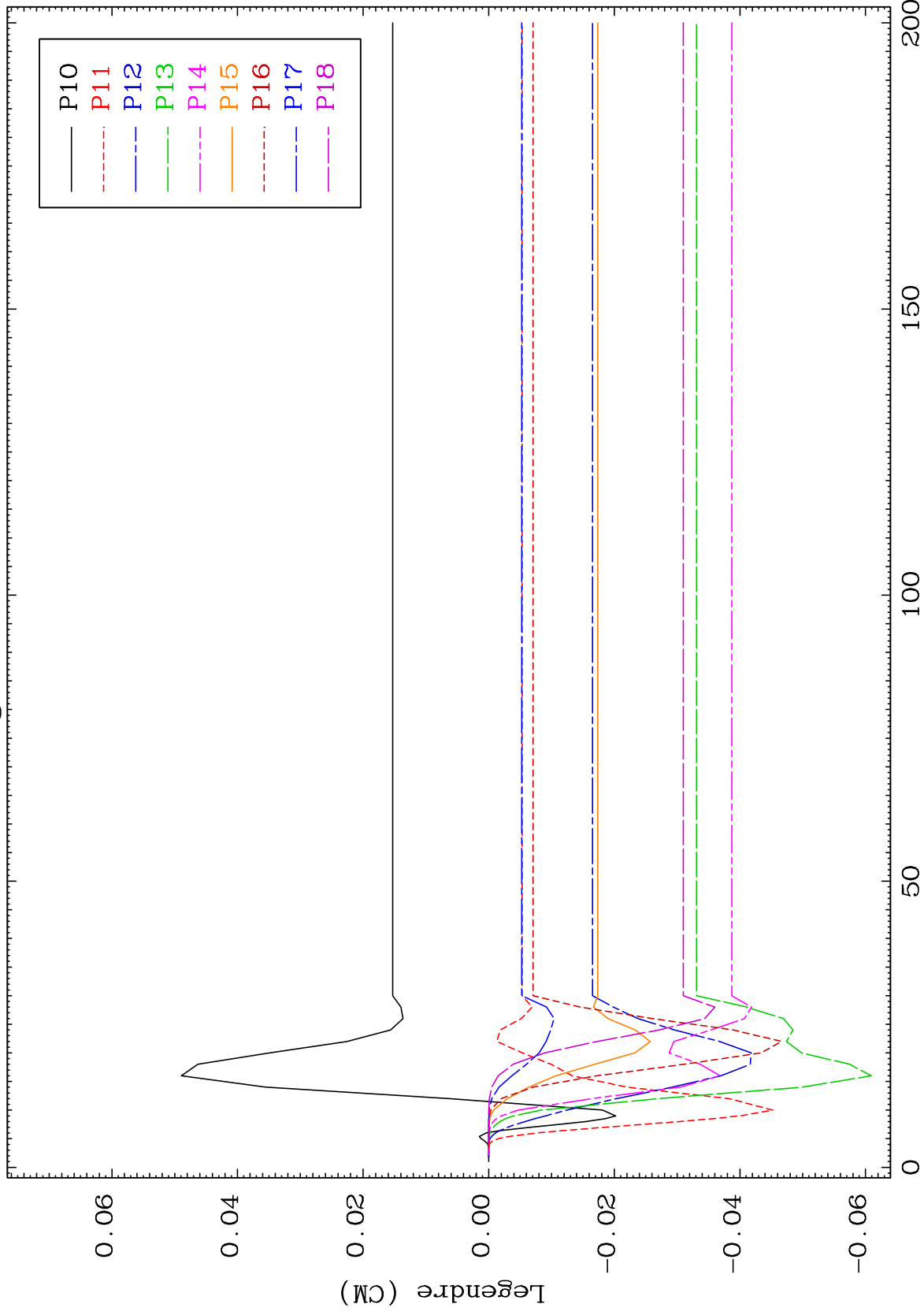
Incident Energy (MeV)

68-Er-159

MAT 6816

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

68-Er-159



77

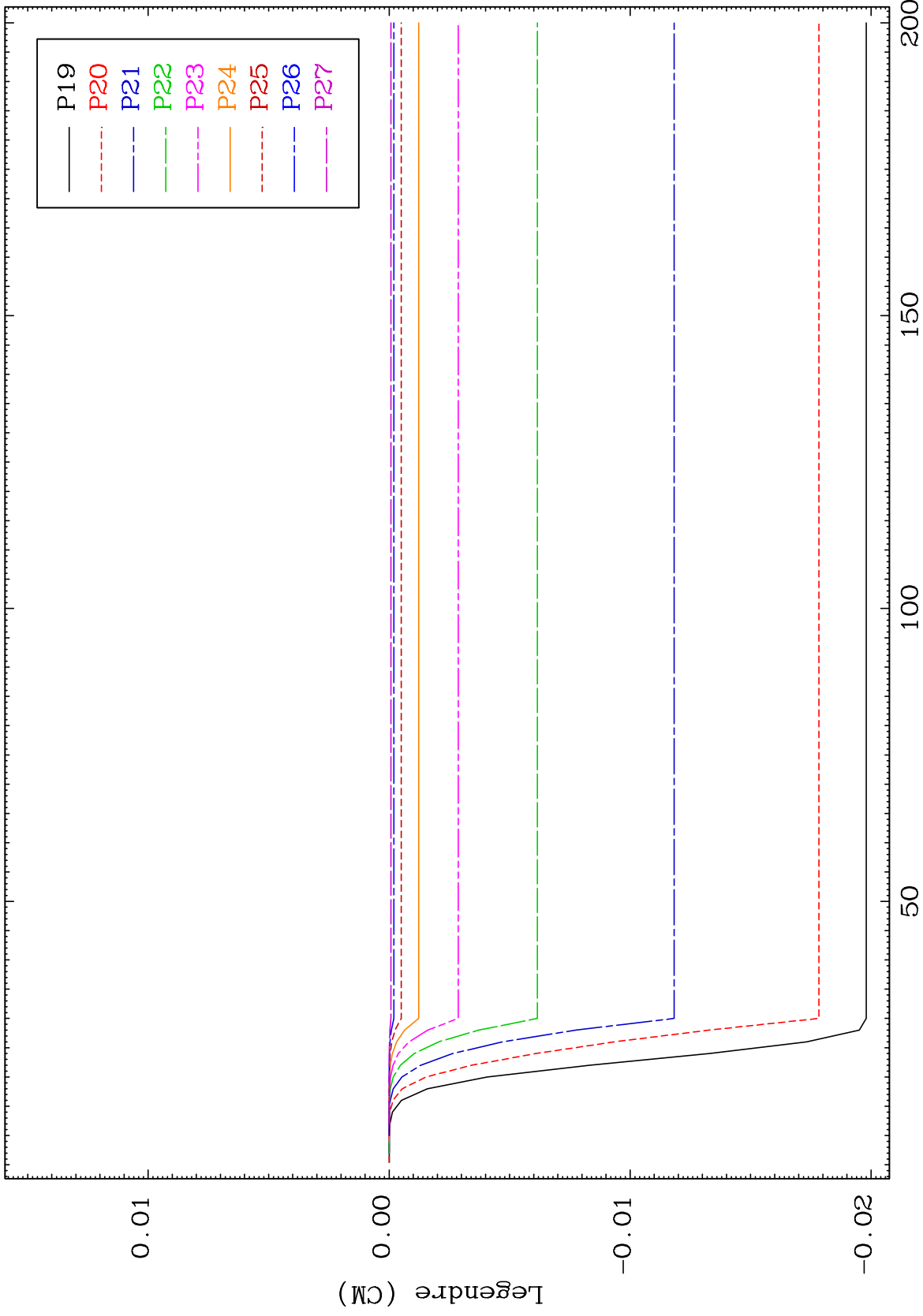
Incident Energy (MeV)

68-Er-159

MAT 6816

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

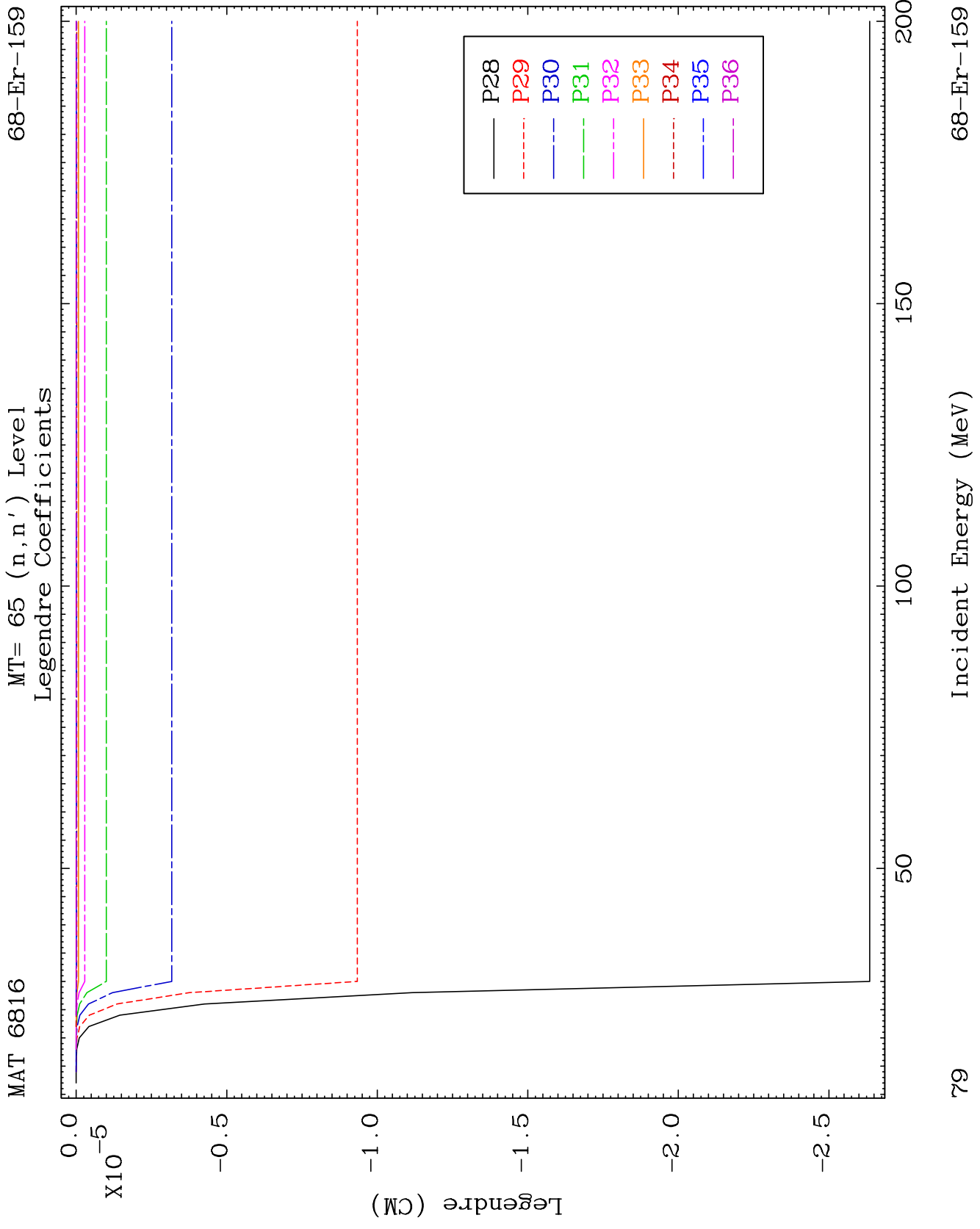
68-Er-159



78

Incident Energy (MeV)

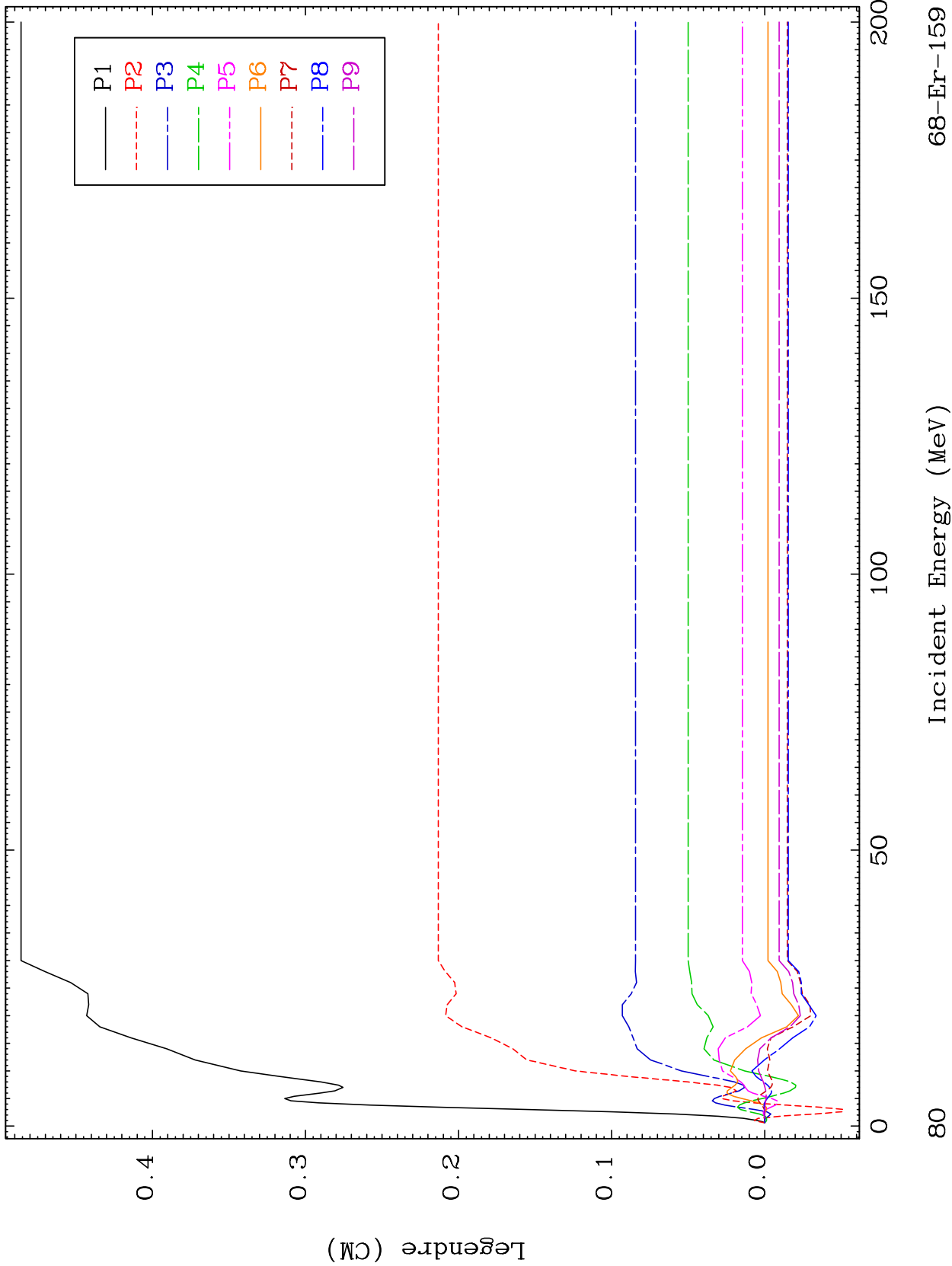
68-Er-159



MAT 6816

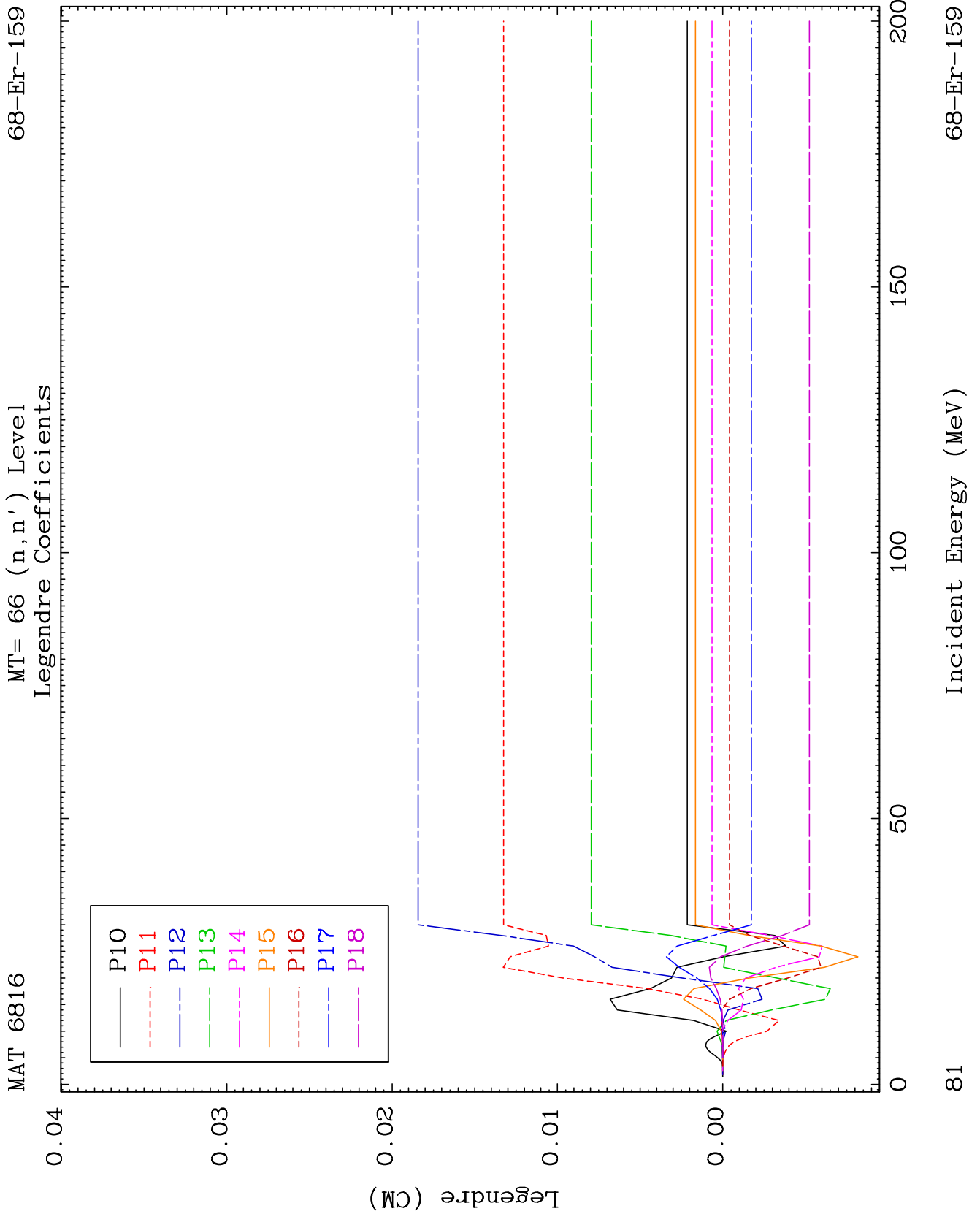
MT= 66 (n,n') Level
Legendre Coefficients

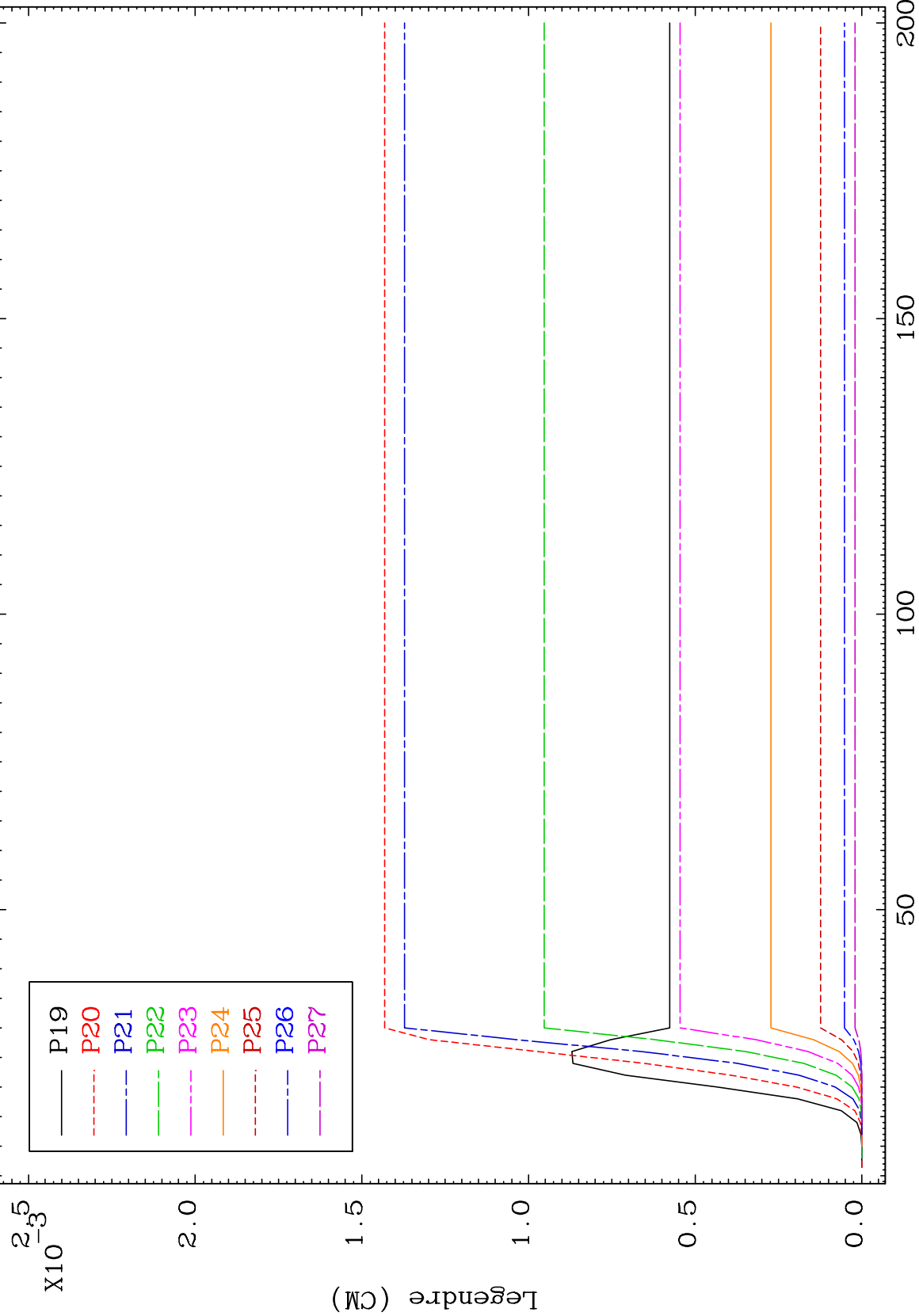
68-Er-159



68-Er-159

Incident Energy (MeV)

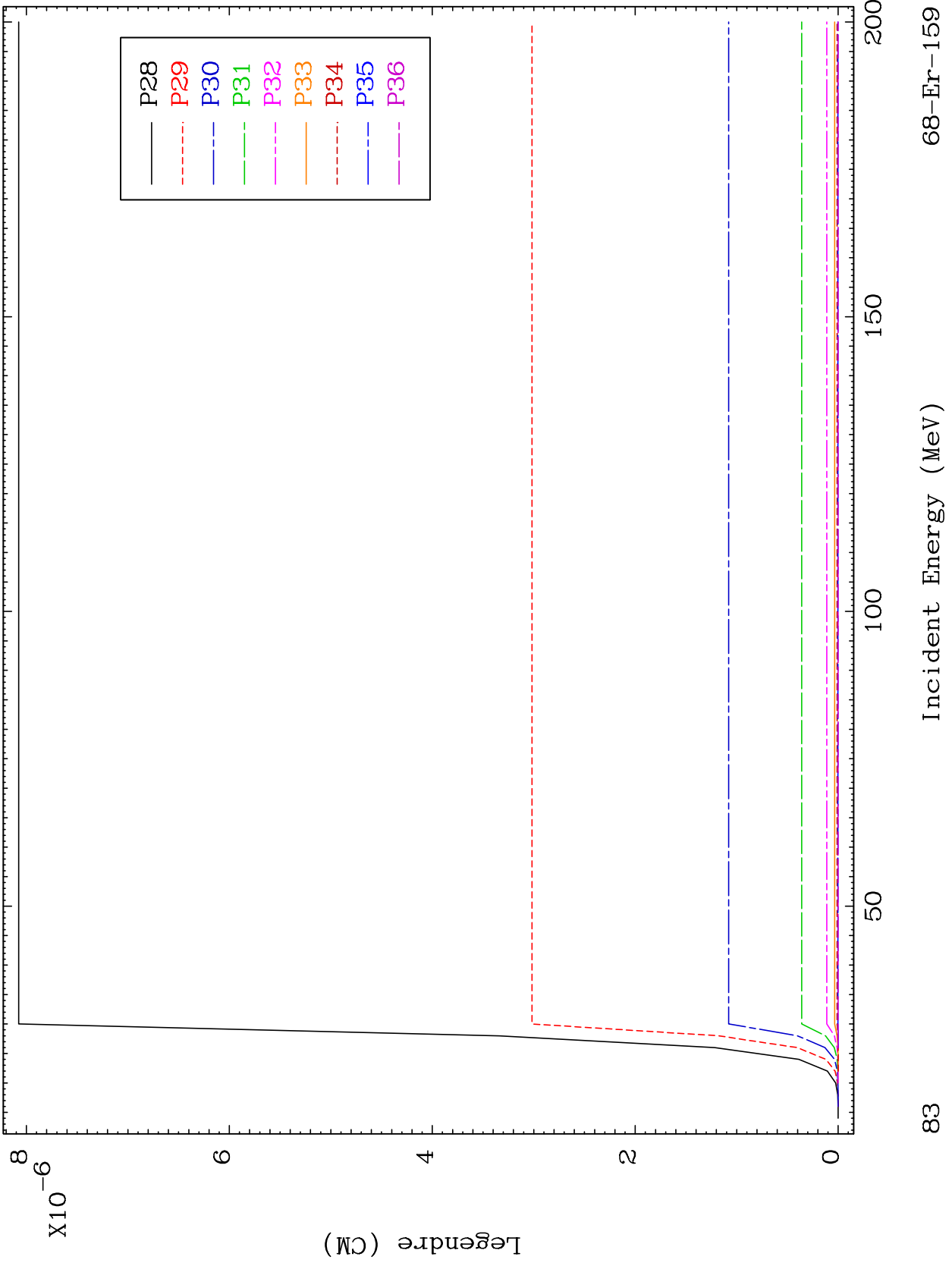




MAT 6816

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

68-Er-159

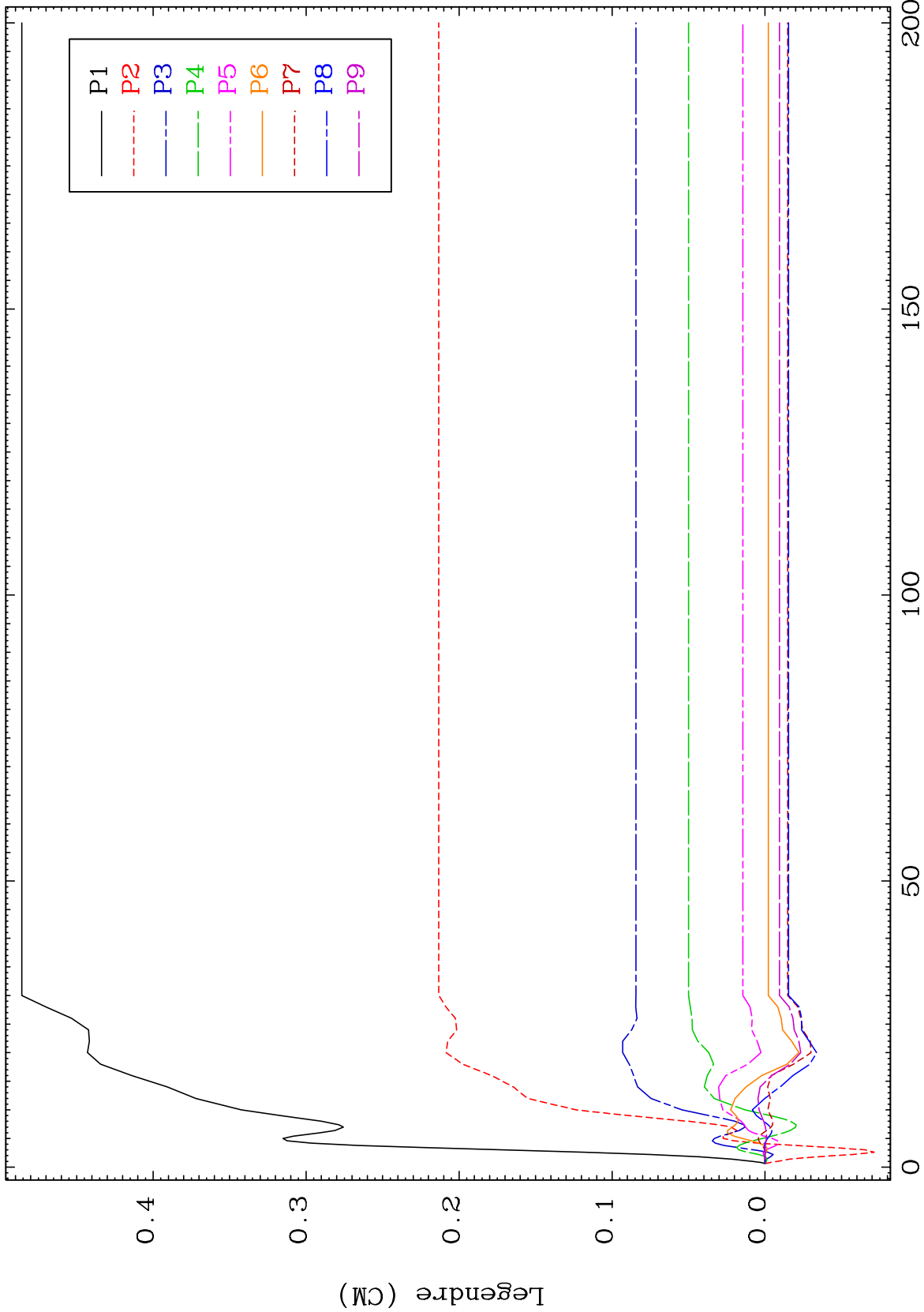


83

MAT 6816

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

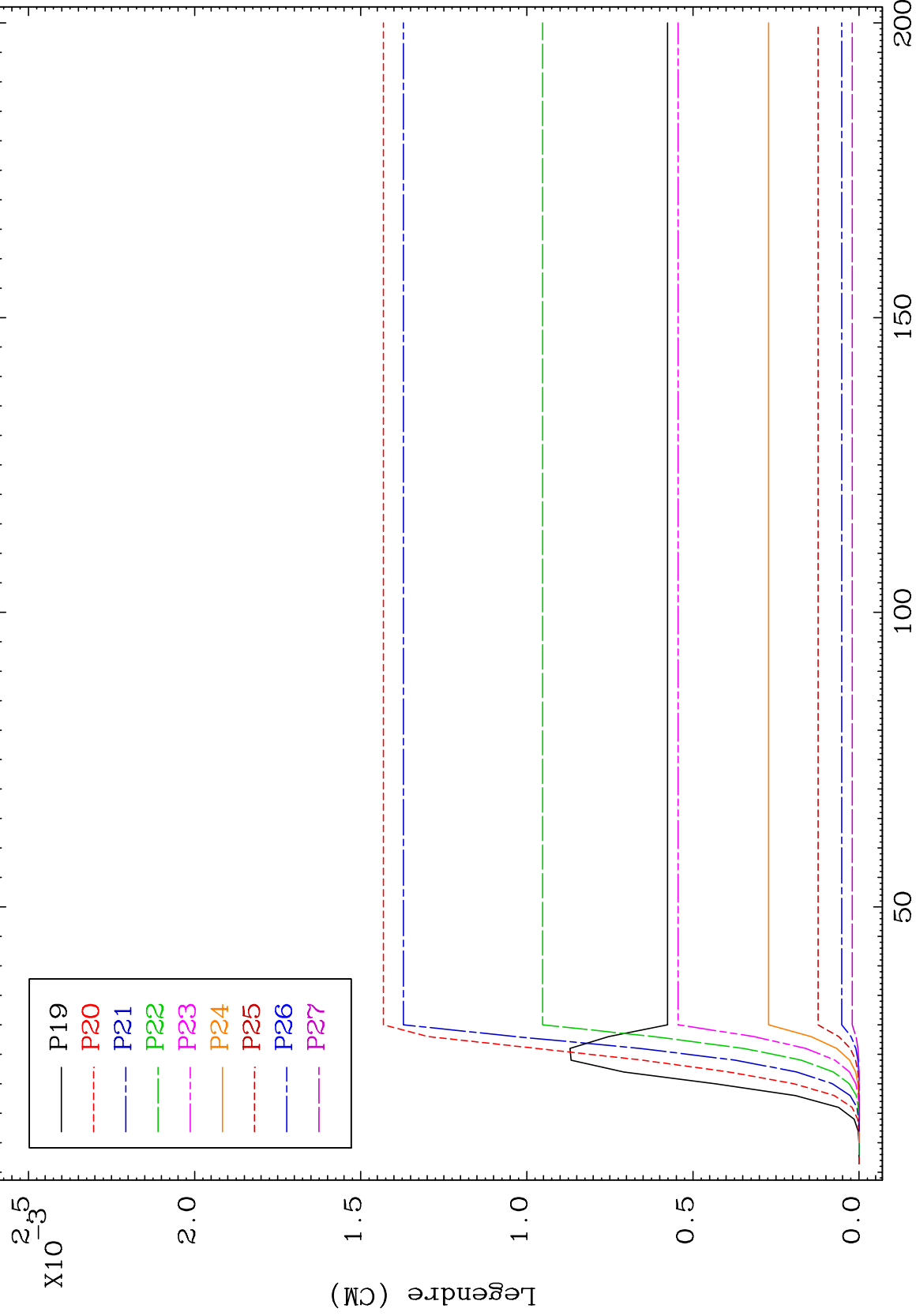
68-Er-159



84

Incident Energy (MeV)

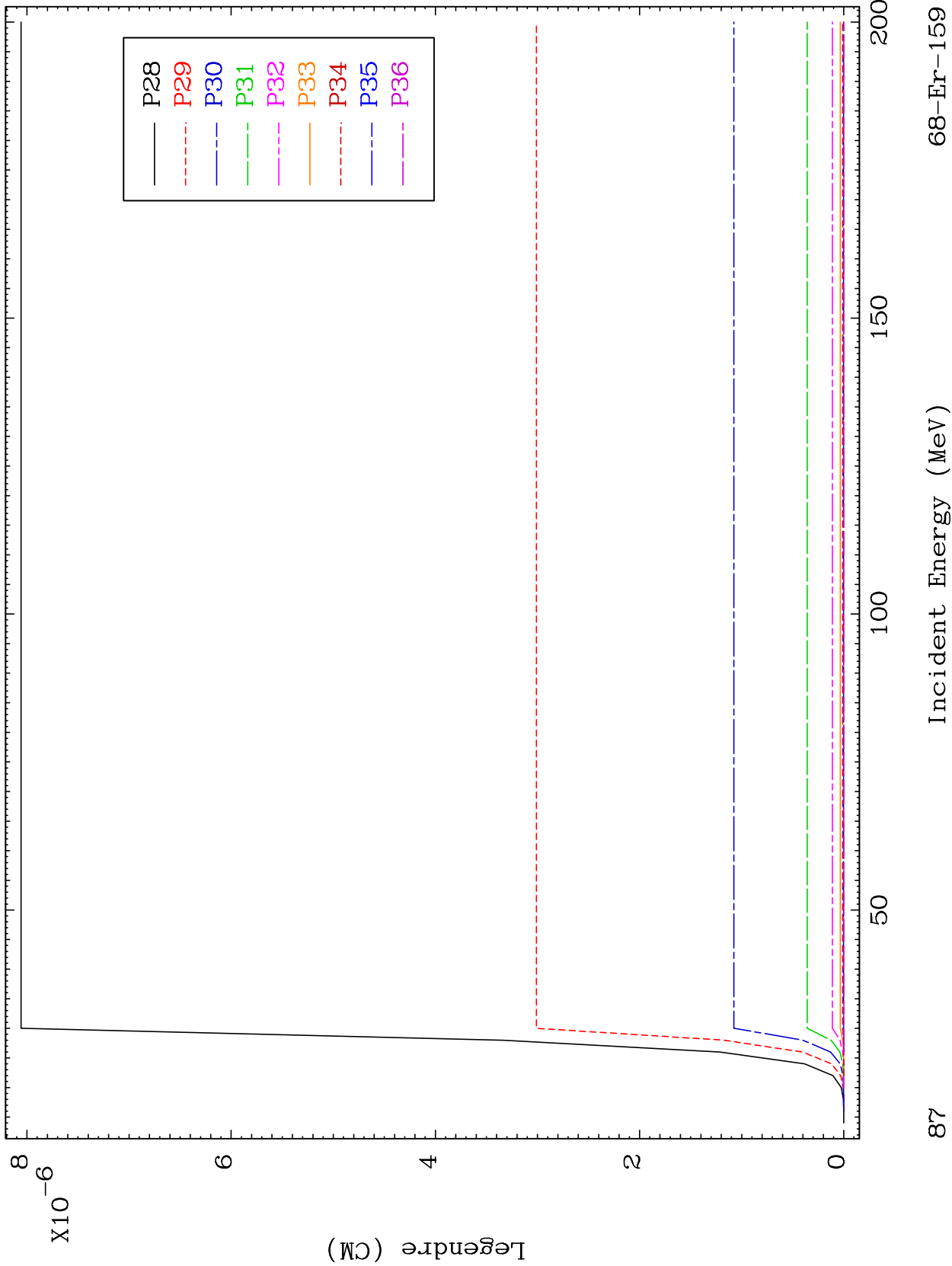
68-Er-159



MAT 6816

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

68-Er-159

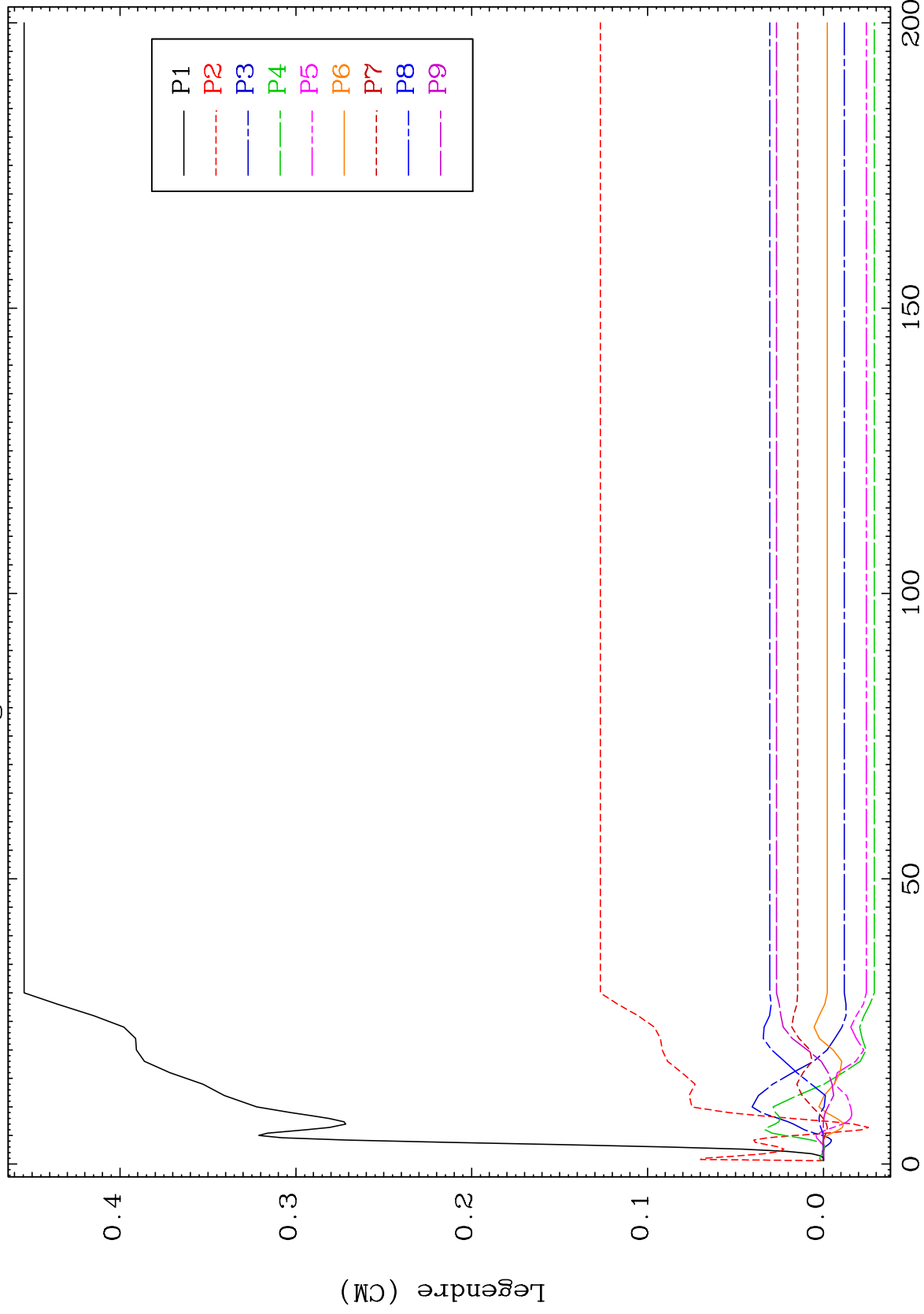


87

MAT 6816

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

68-Er-159



88

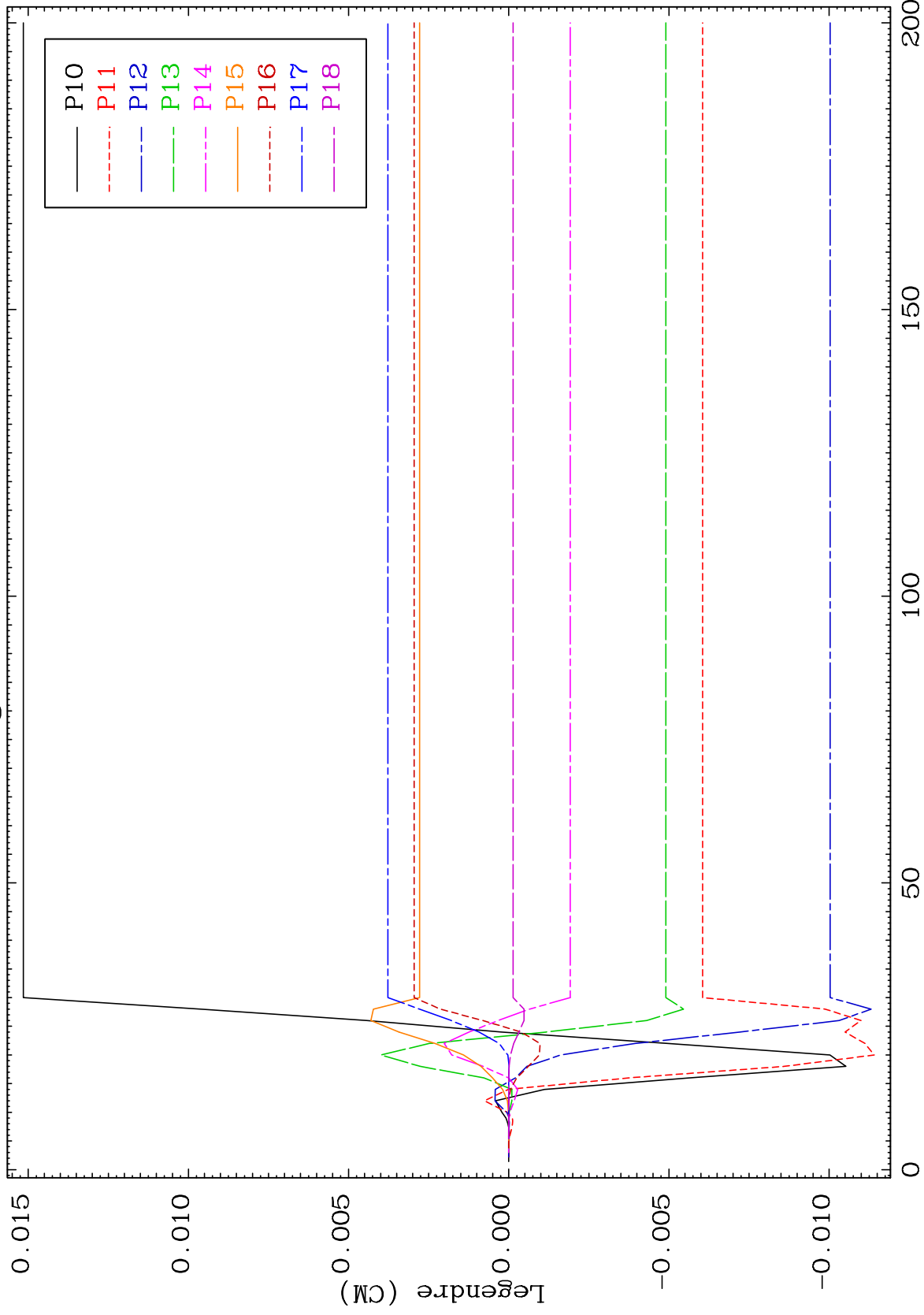
Incident Energy (MeV)

68-Er-159

MAT 6816

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

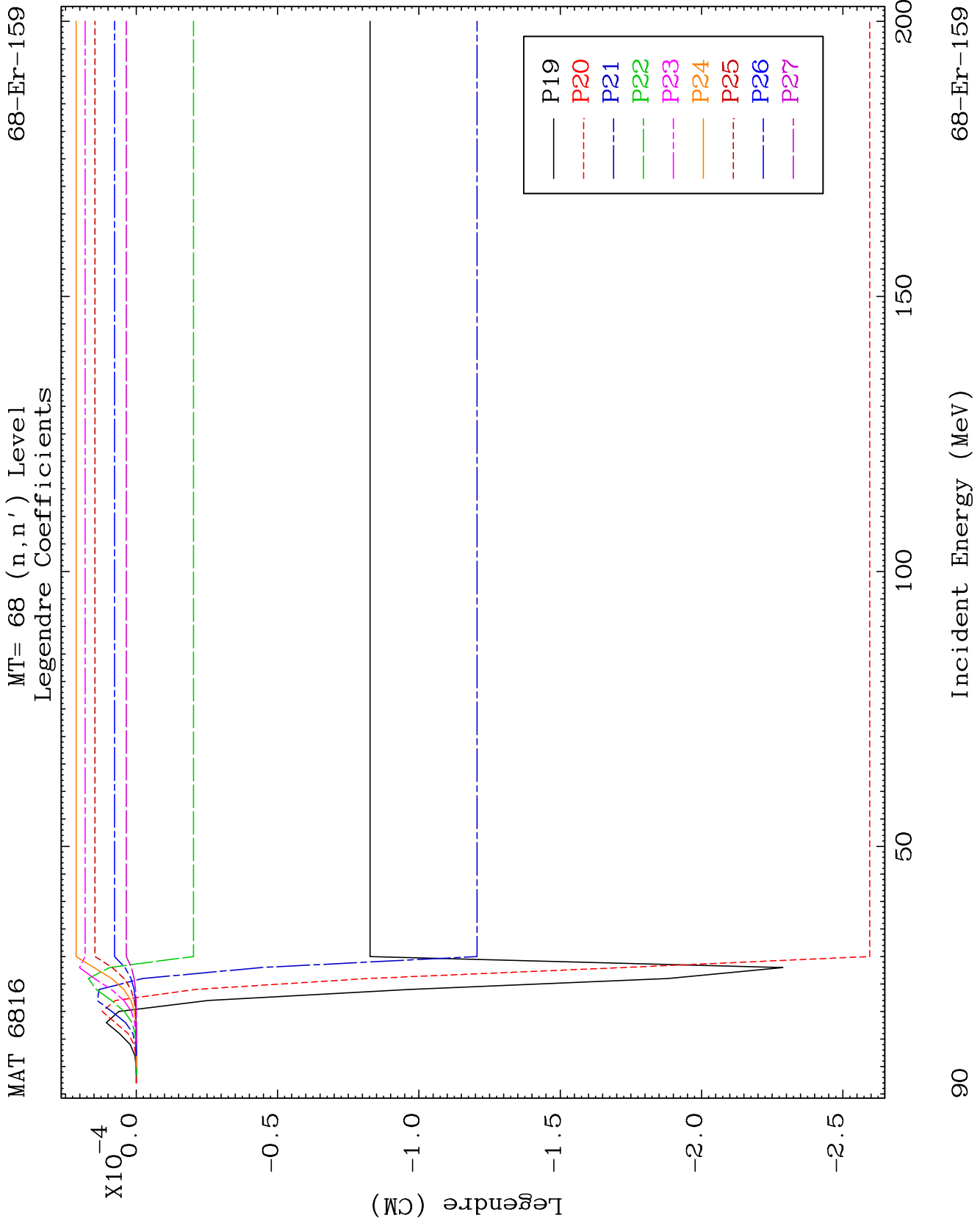
68-Er-159



89

Incident Energy (MeV)

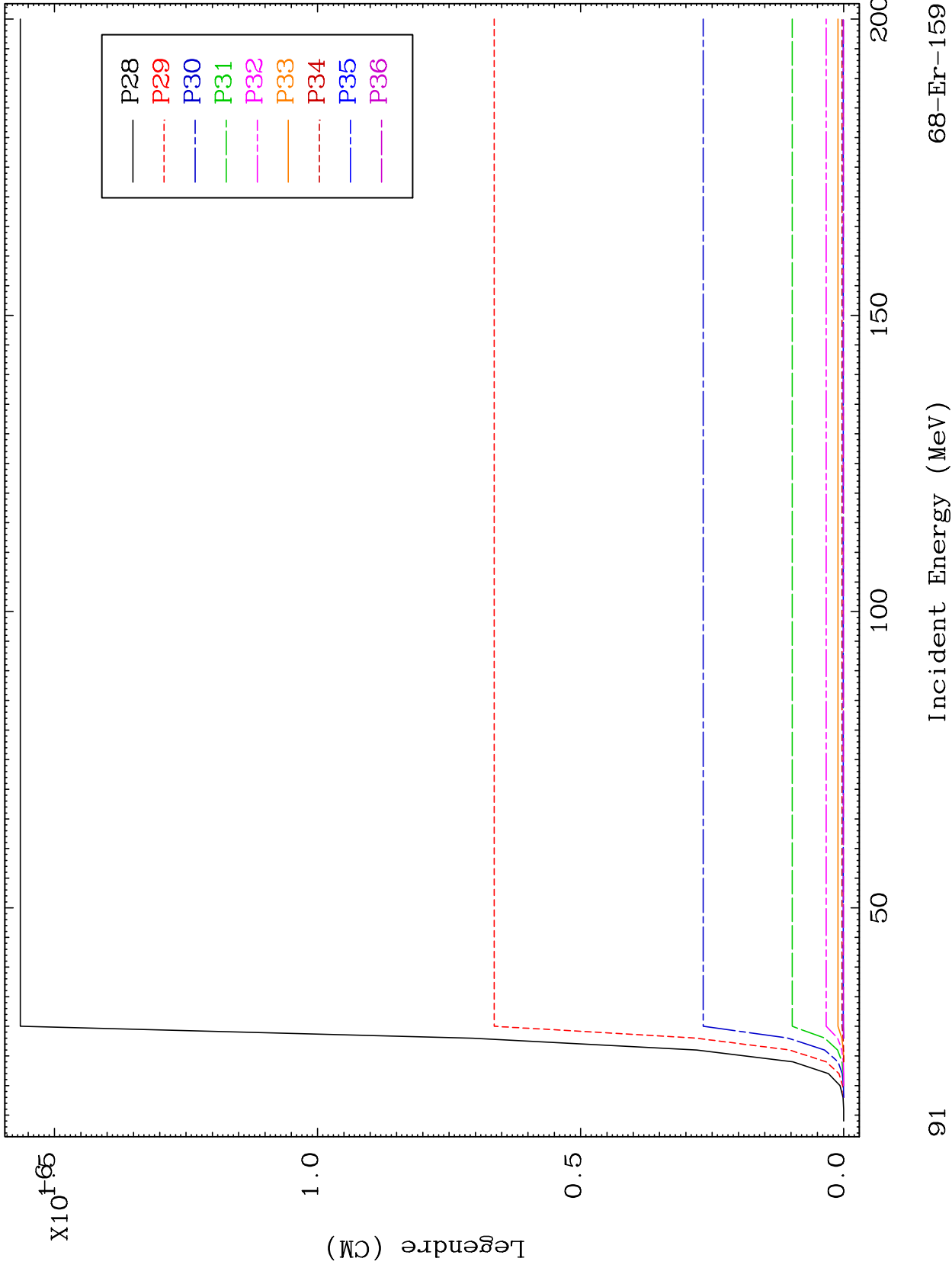
68-Er-159



MAT 6816

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

68-Er-159



91

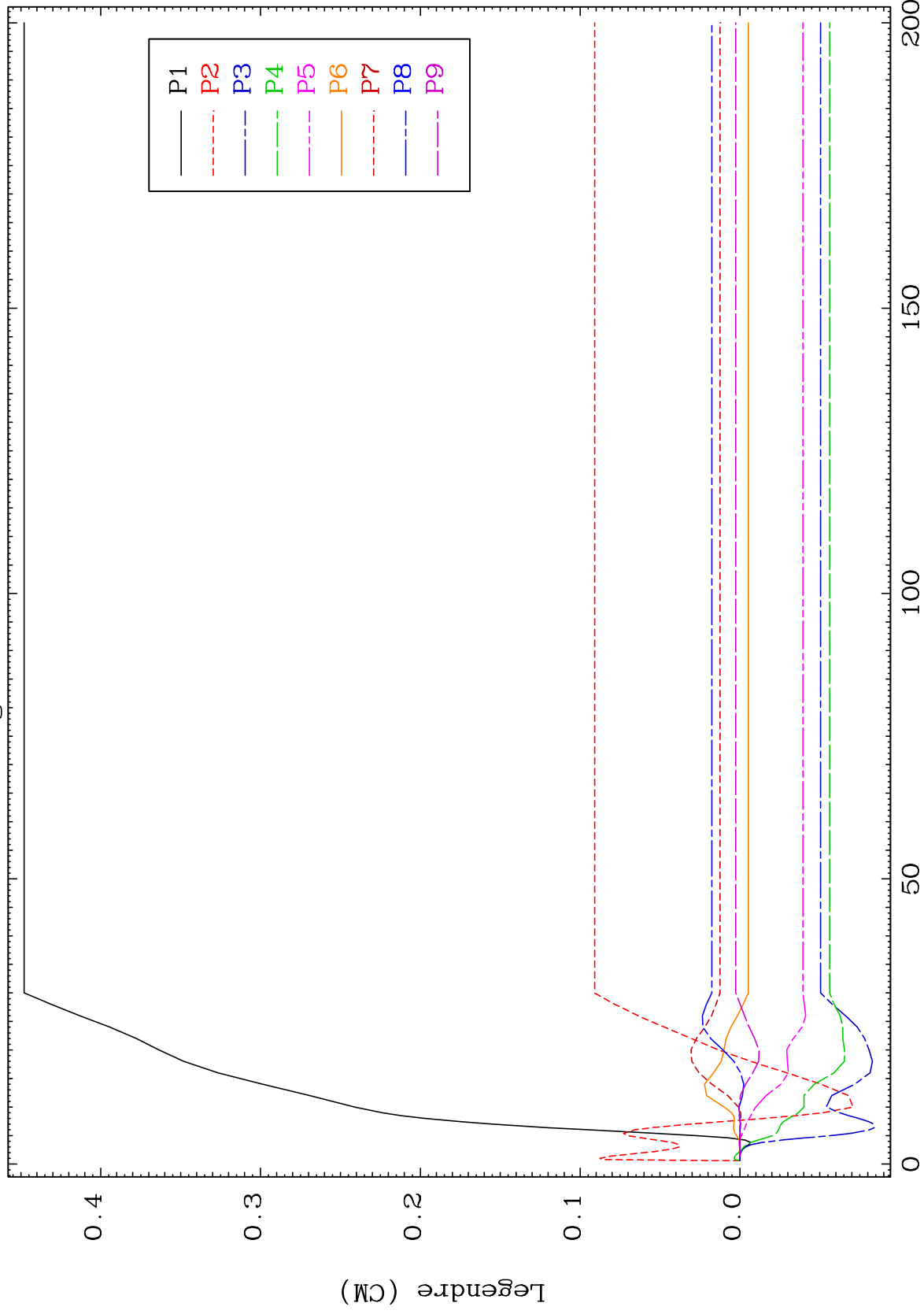
Incident Energy (MeV)

68-Er-159

MAT 6816

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

68-Er-159



92

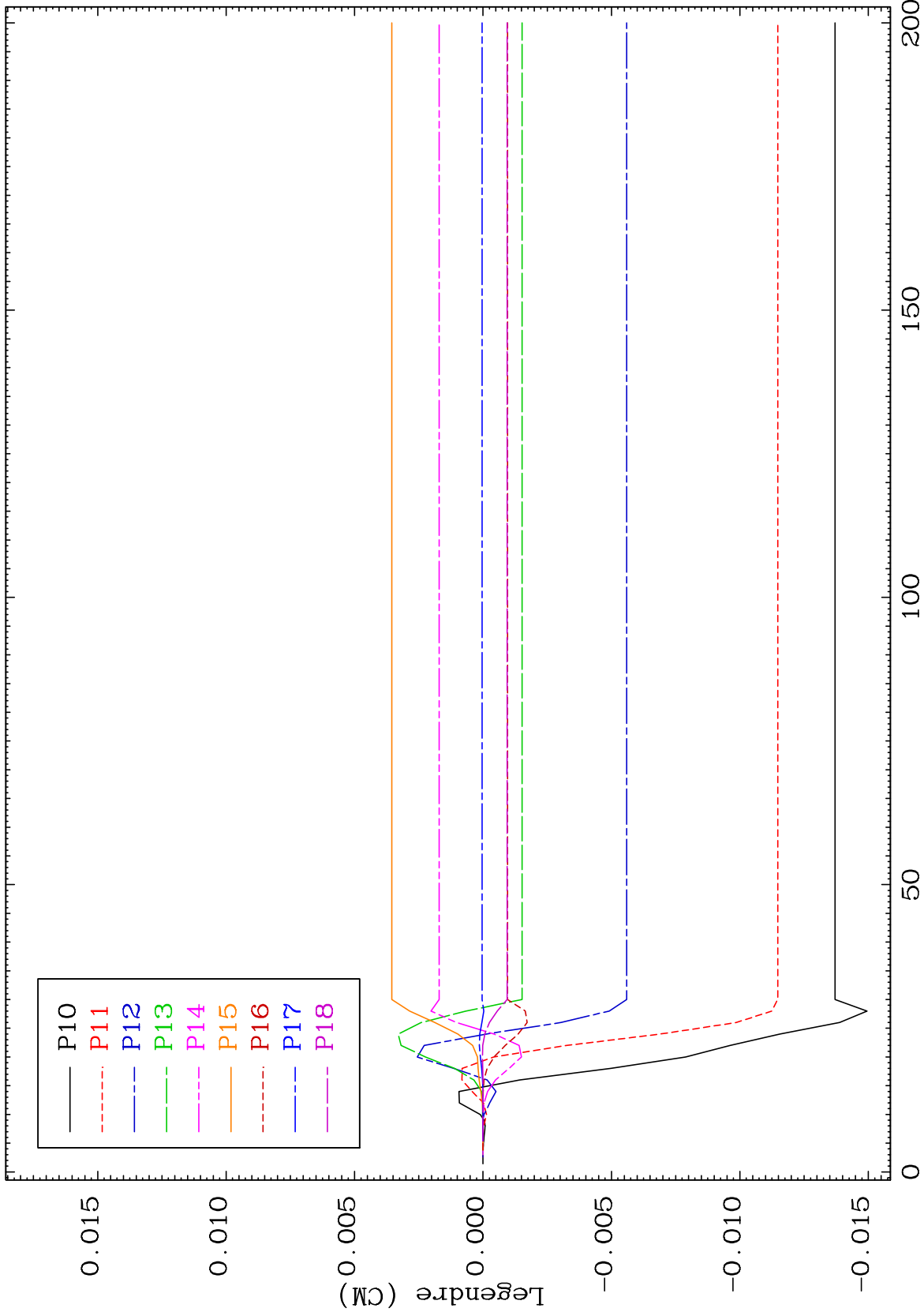
Incident Energy (MeV)

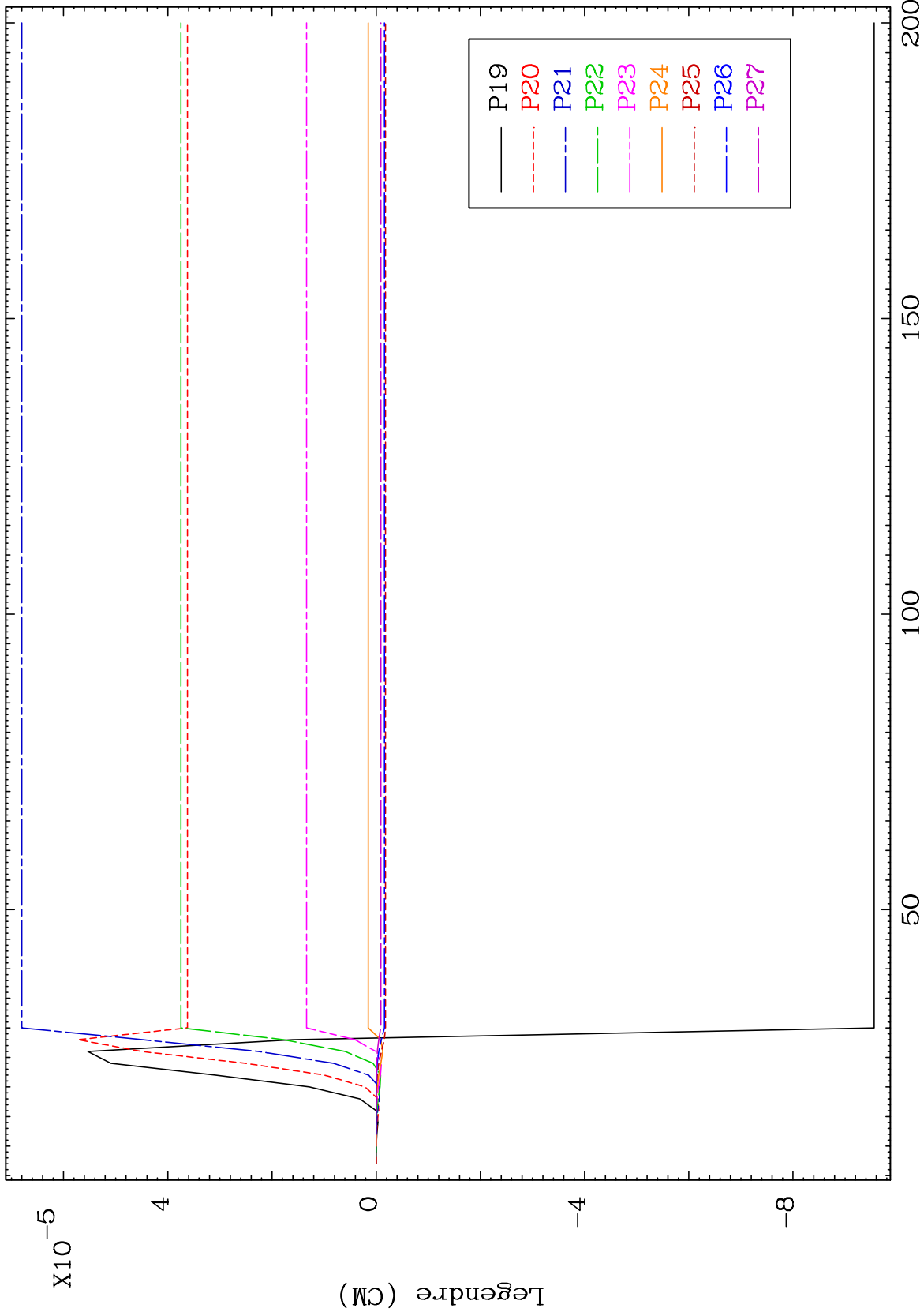
68-Er-159

MAT 6816

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

68-Er-159



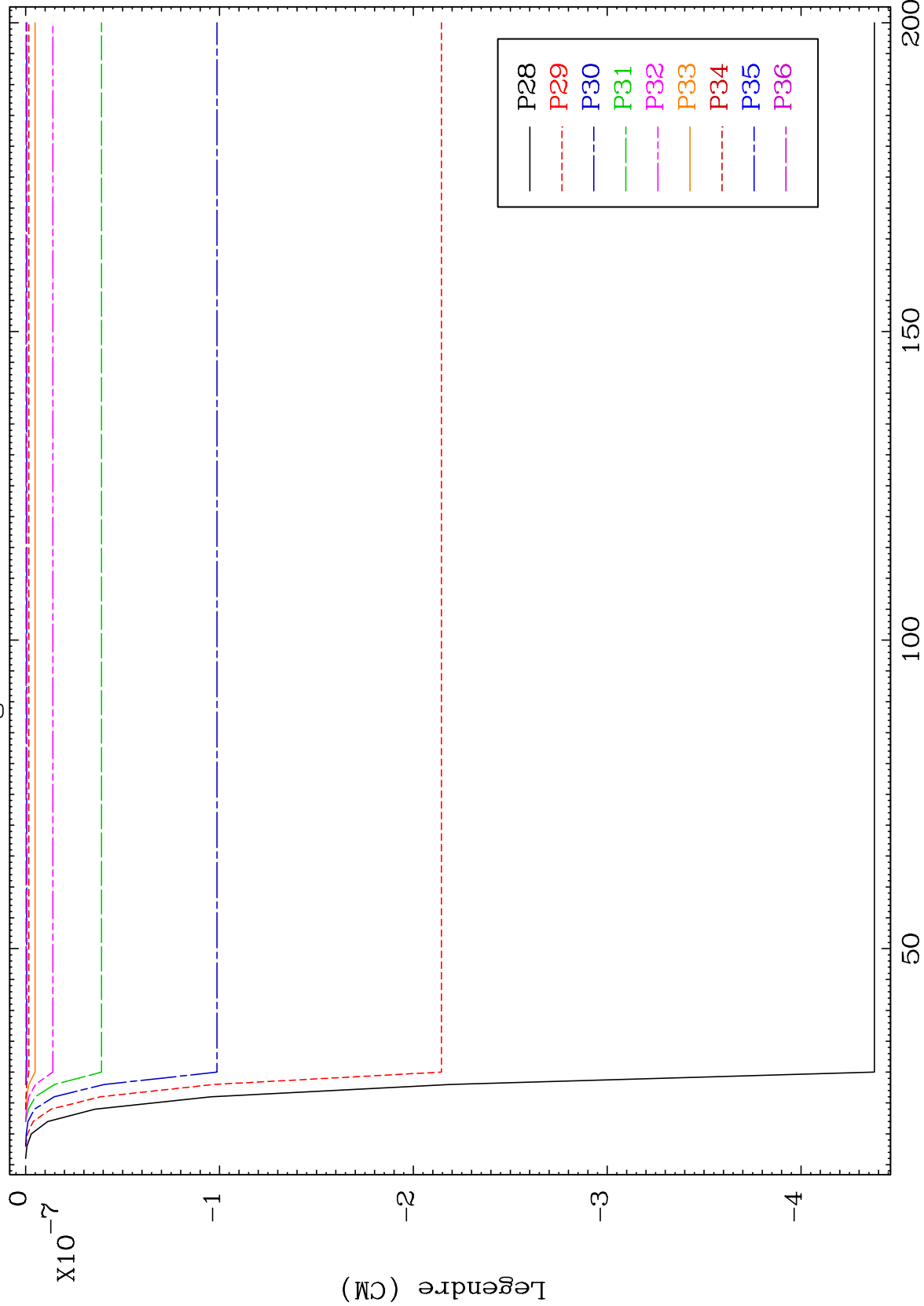


MAT 6816

MT= 69 (n,n') Level

68-Er-159

Legendre Coefficients



95

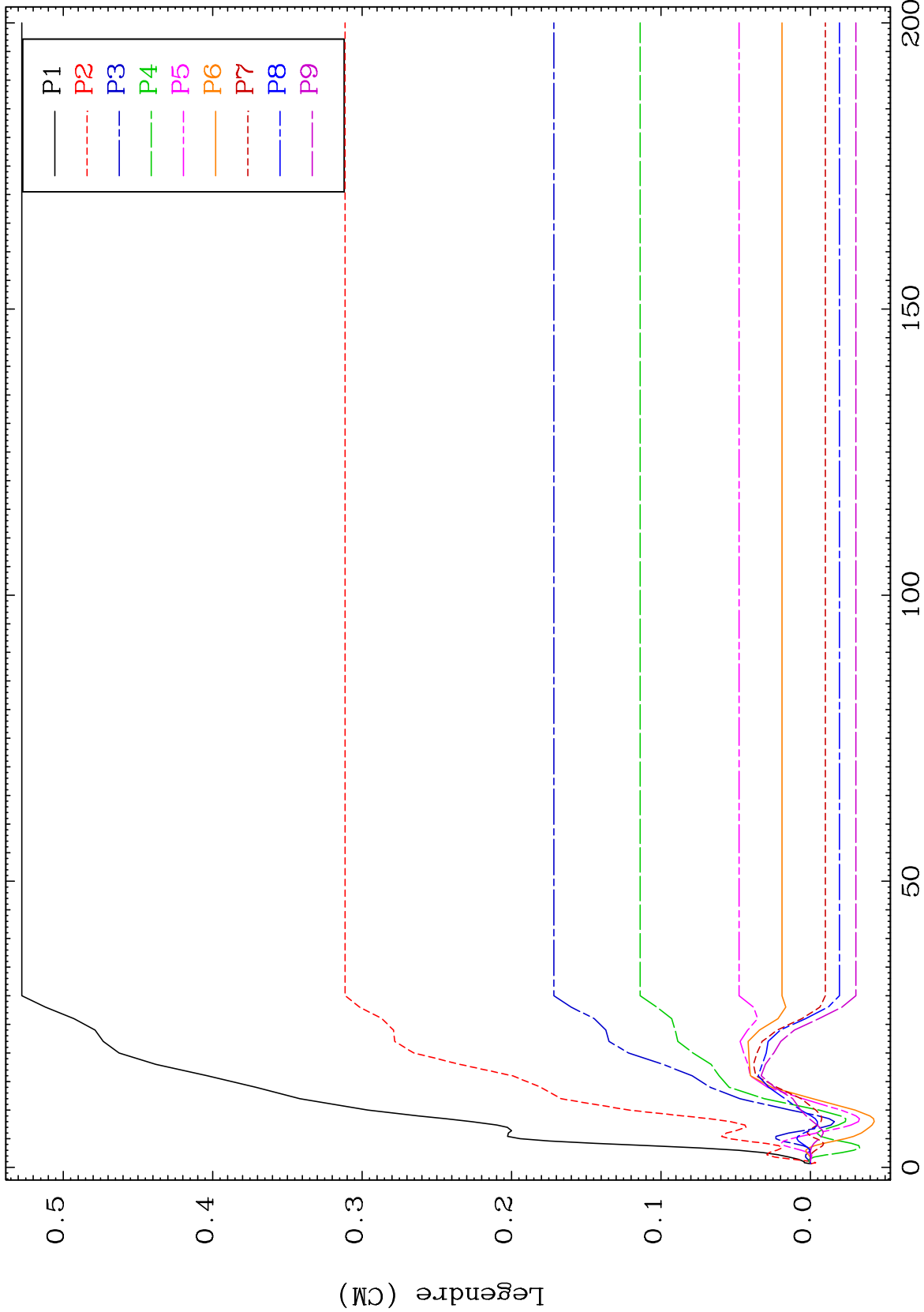
Incident Energy (MeV)

68-Er-159

MAT 6816

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

68-Er-159



96

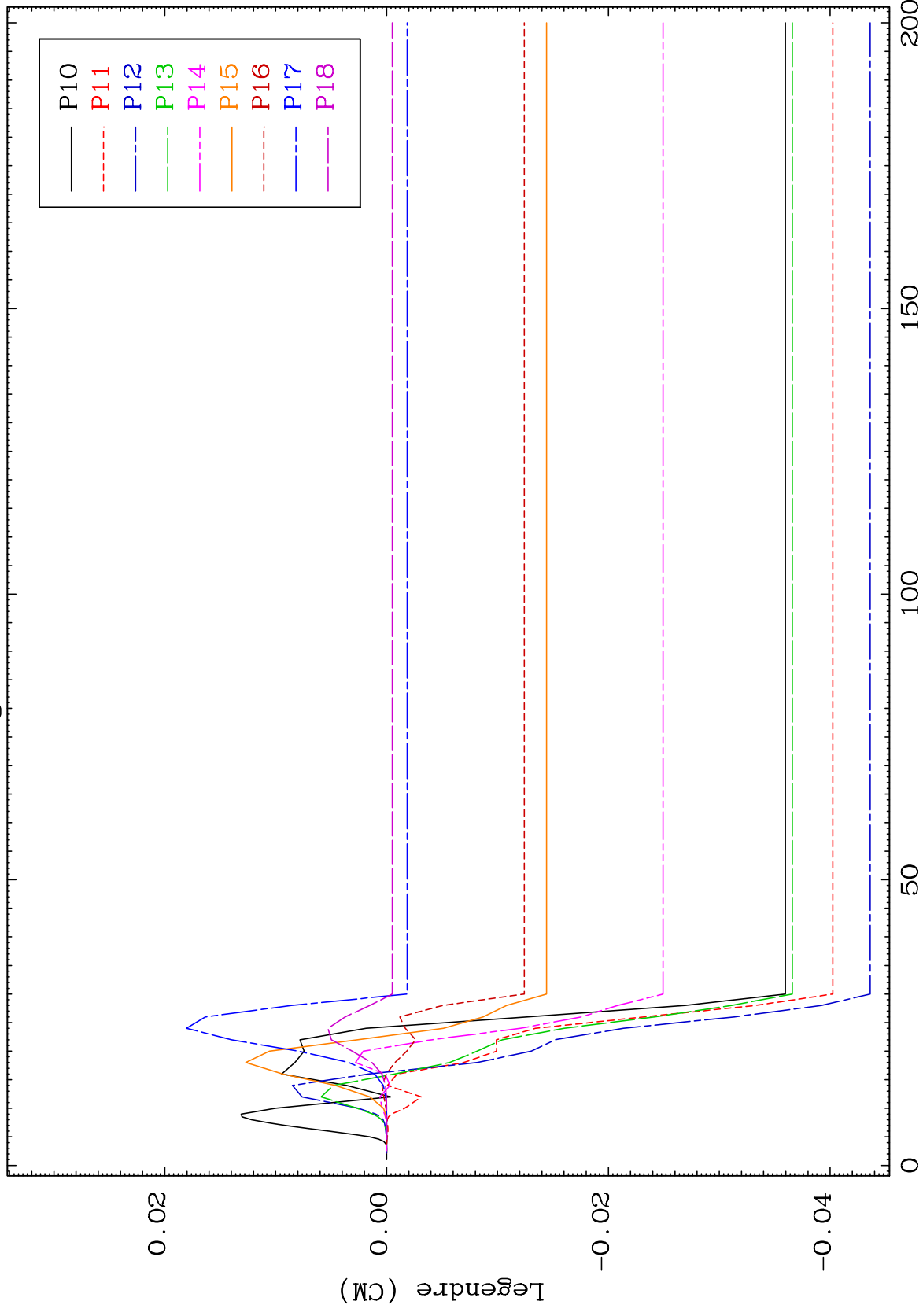
Incident Energy (MeV)

68-Er-159

MAT 6816

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

68-Er-159



97

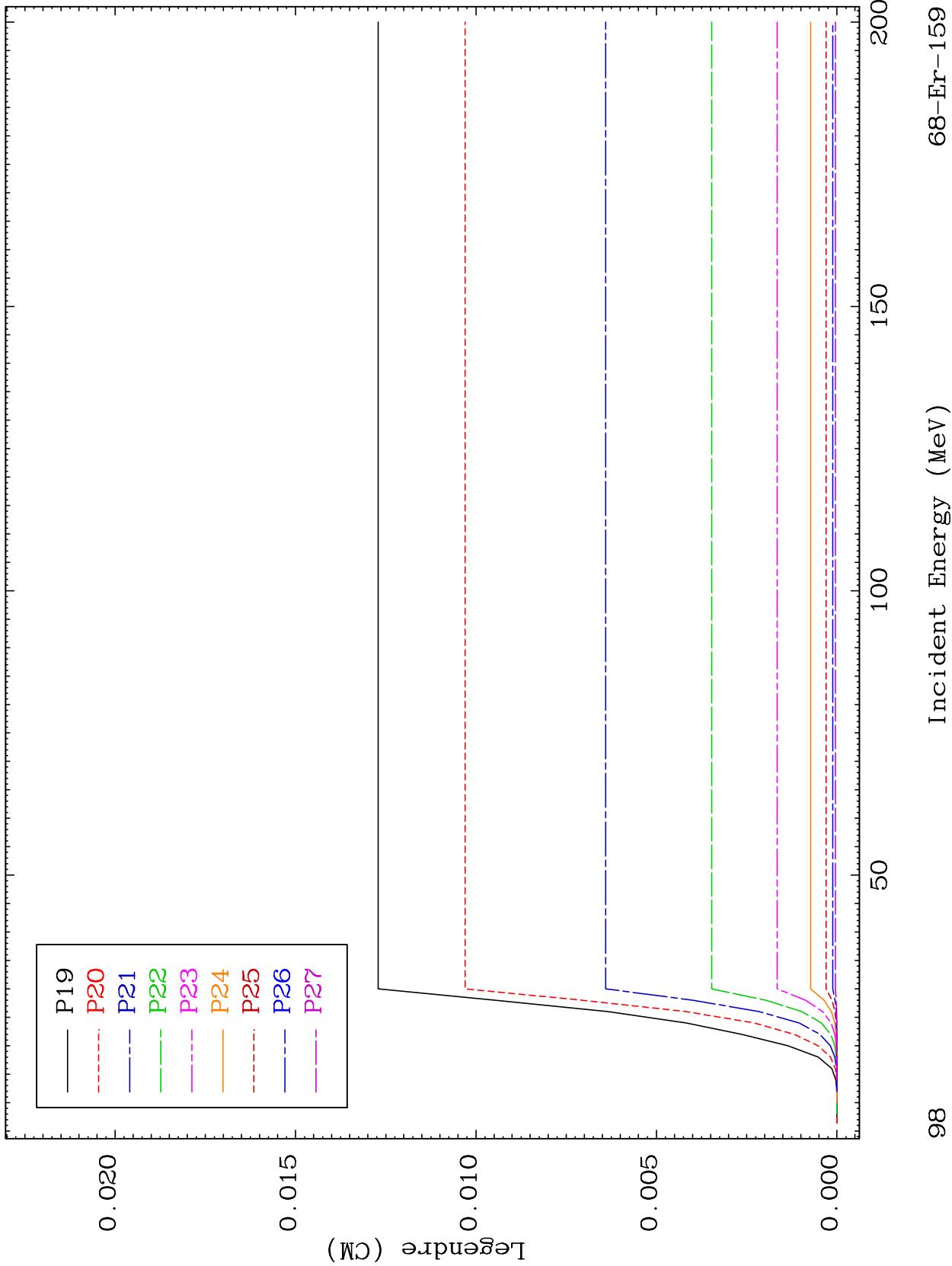
Incident Energy (MeV)

68-Er-159

MAT 6816

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

68-Er-159

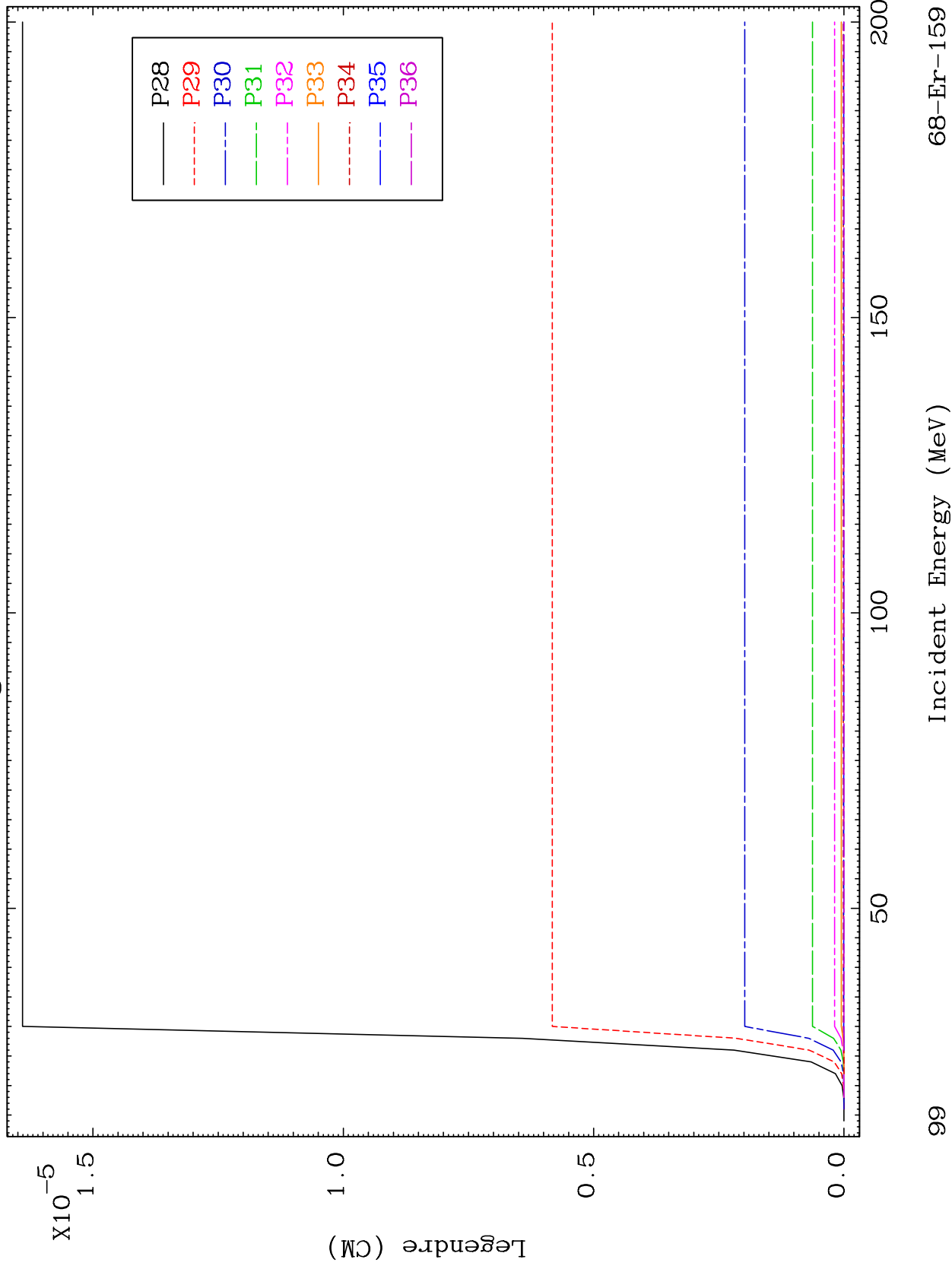


98

MAT 6816

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

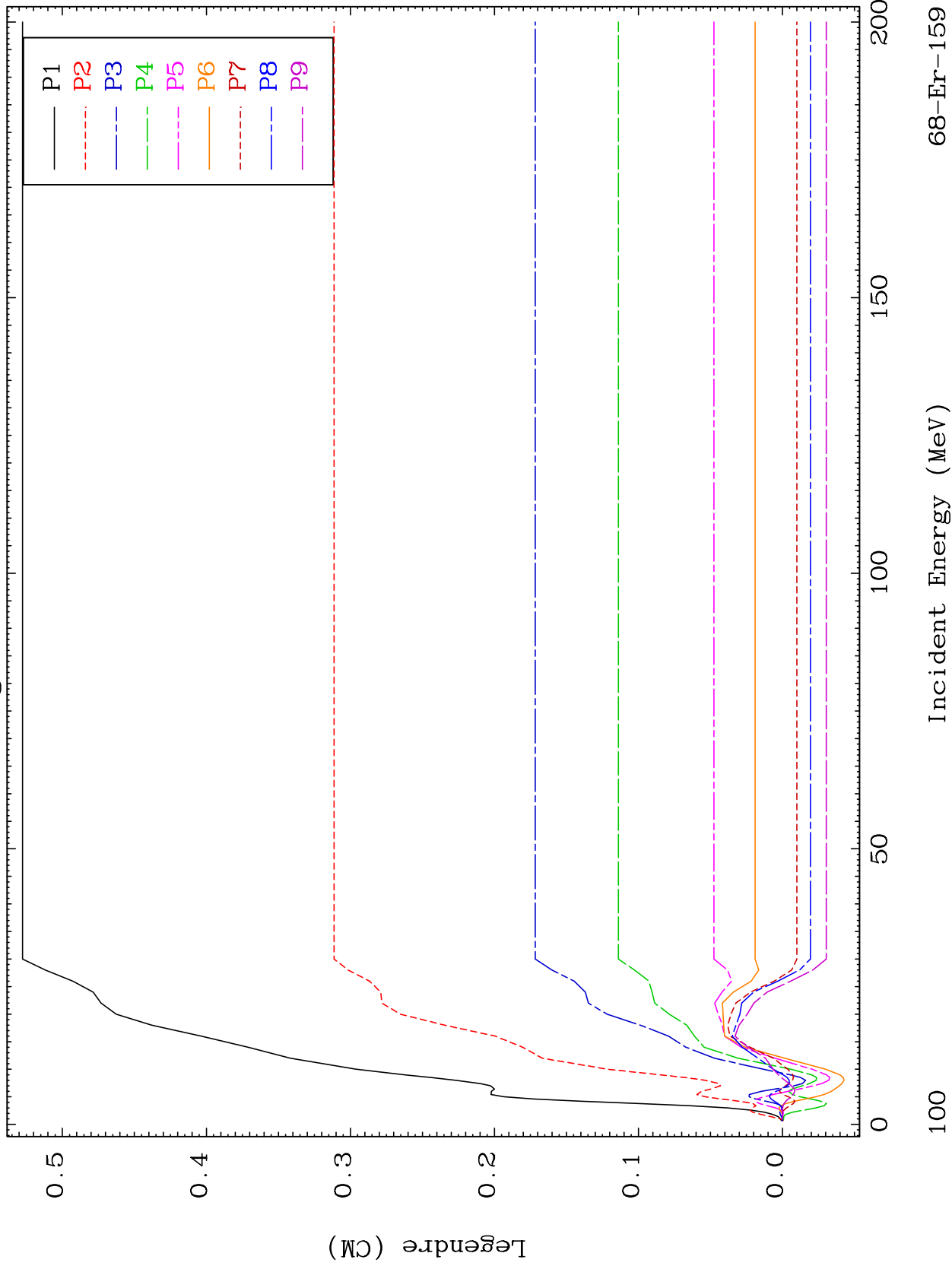
68-Er-159



MAT 6816

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

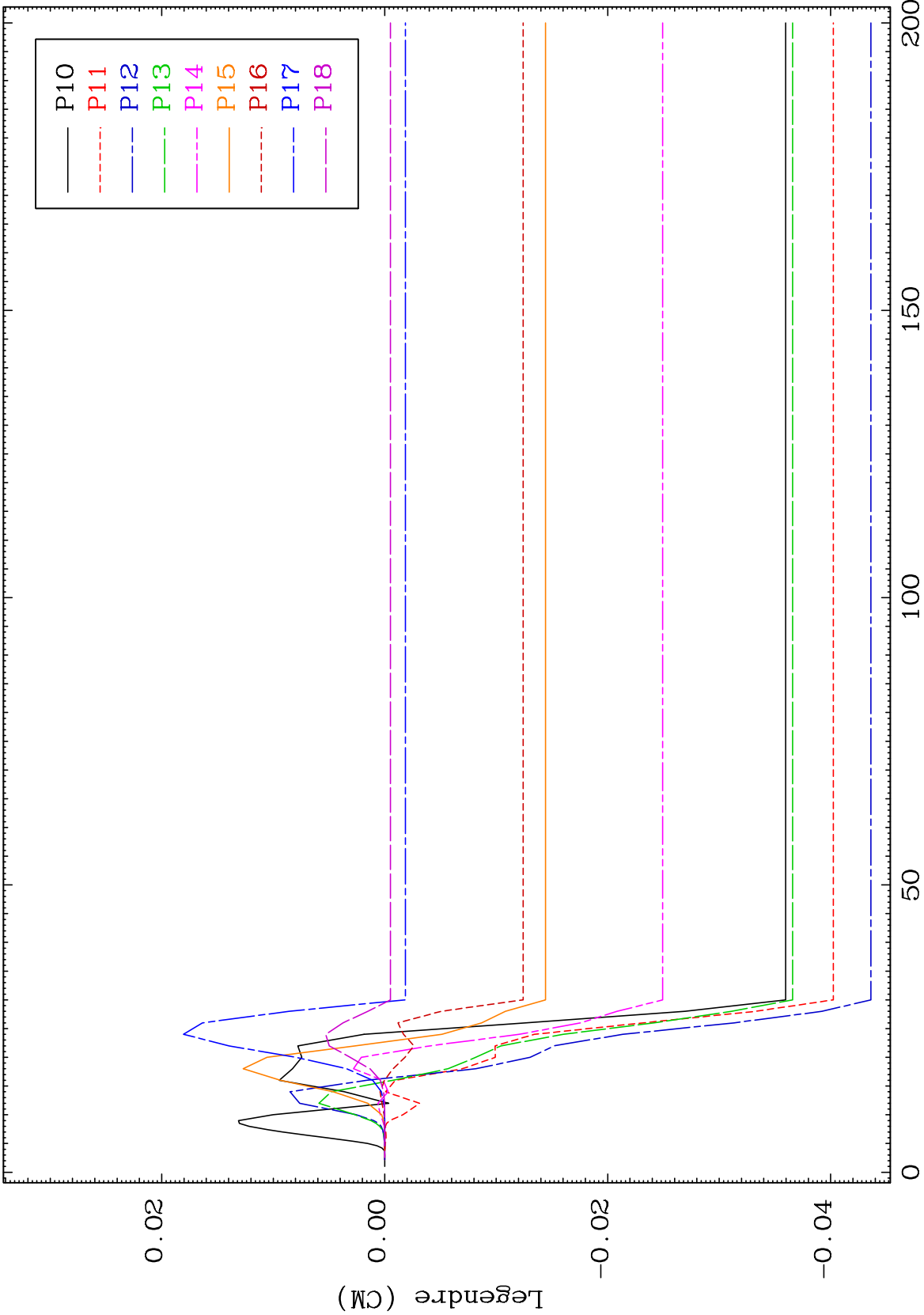
68-Er-159



MAT 6816

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

68-Er-159



101

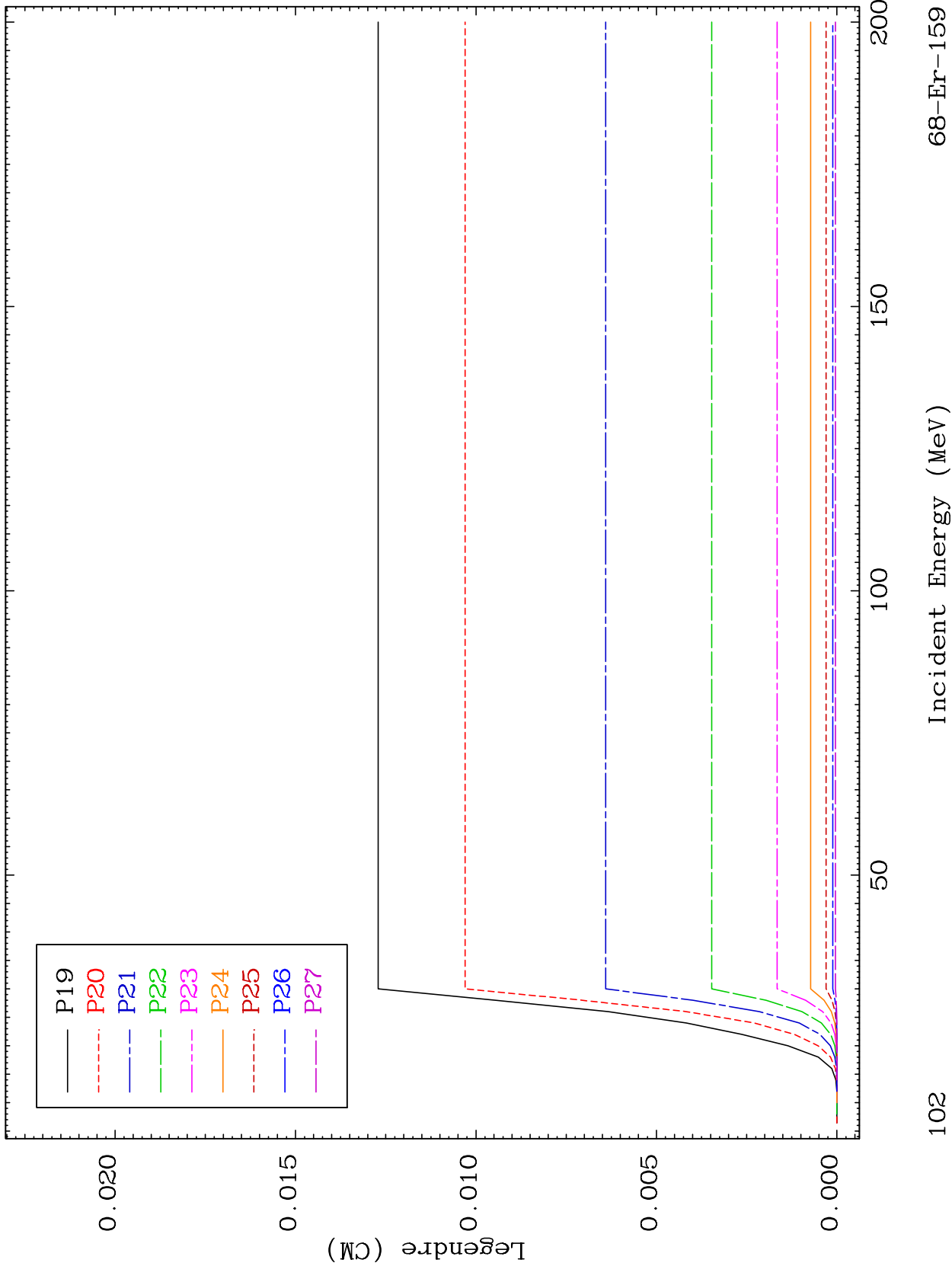
Incident Energy (MeV)

68-Er-159

MAT 6816

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

68-Er-159



102

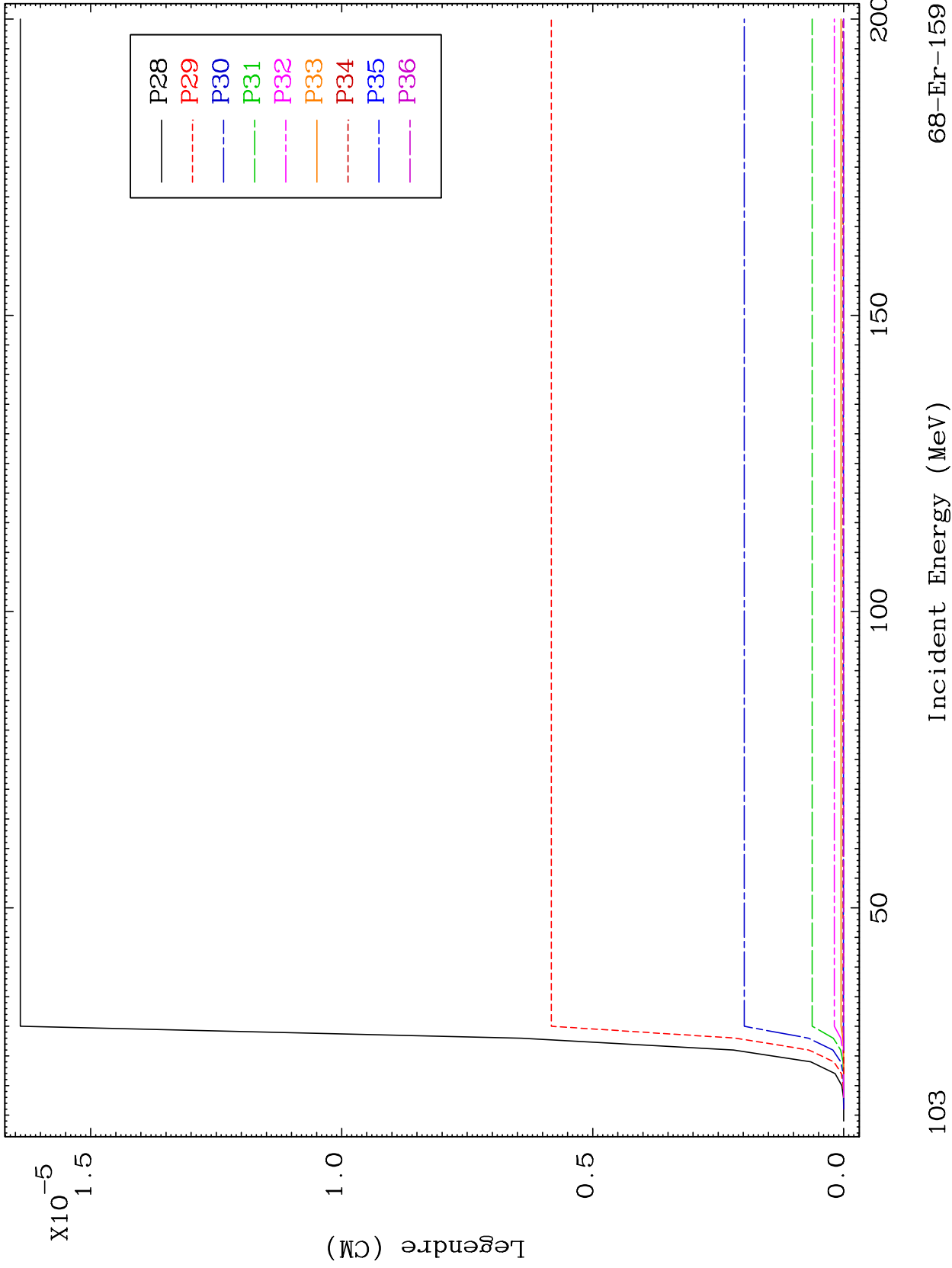
Incident Energy (MeV)

68-Er-159

MAT 6816

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

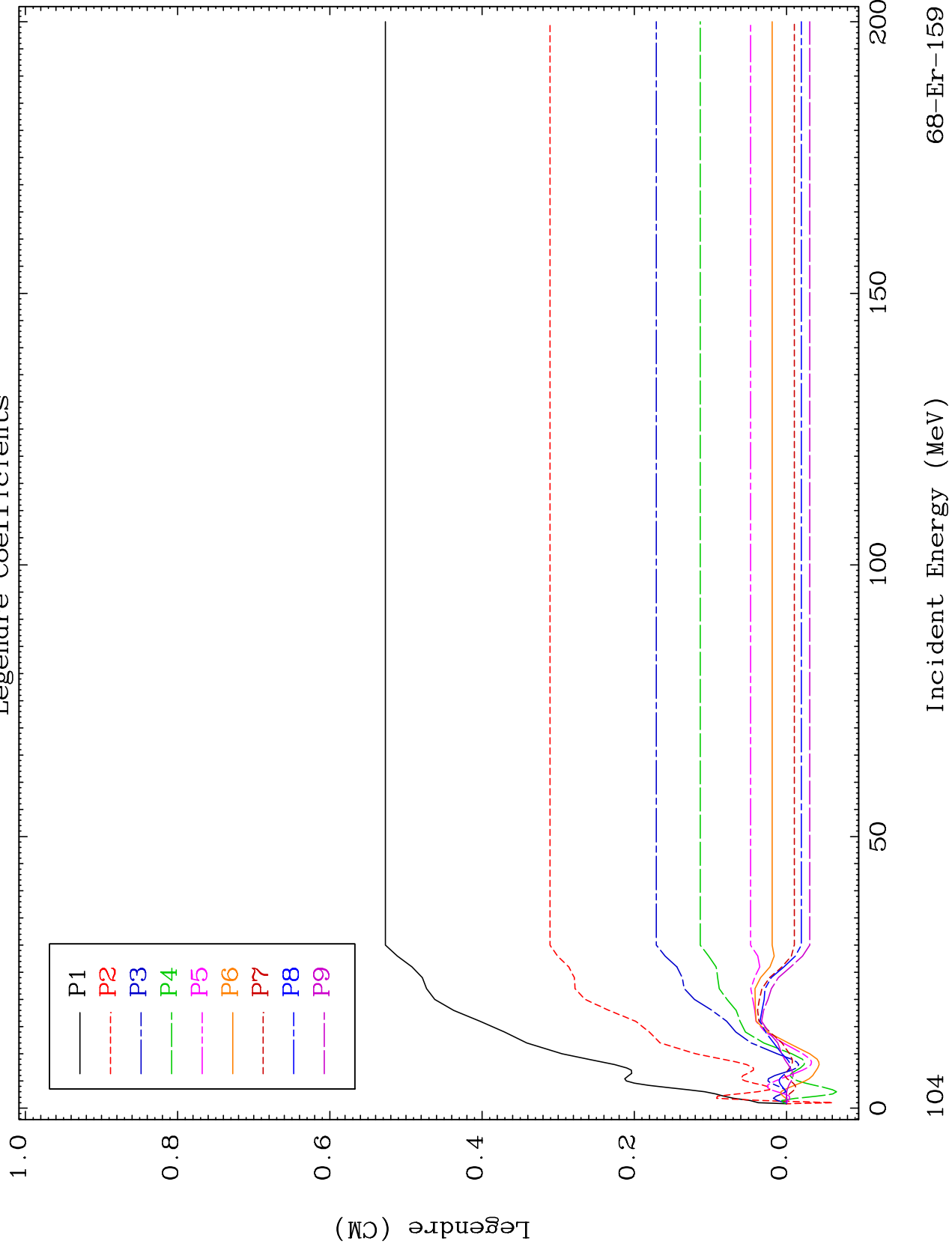
68-Er-159



MAT 6816

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

68-Er-159



68-Er-159

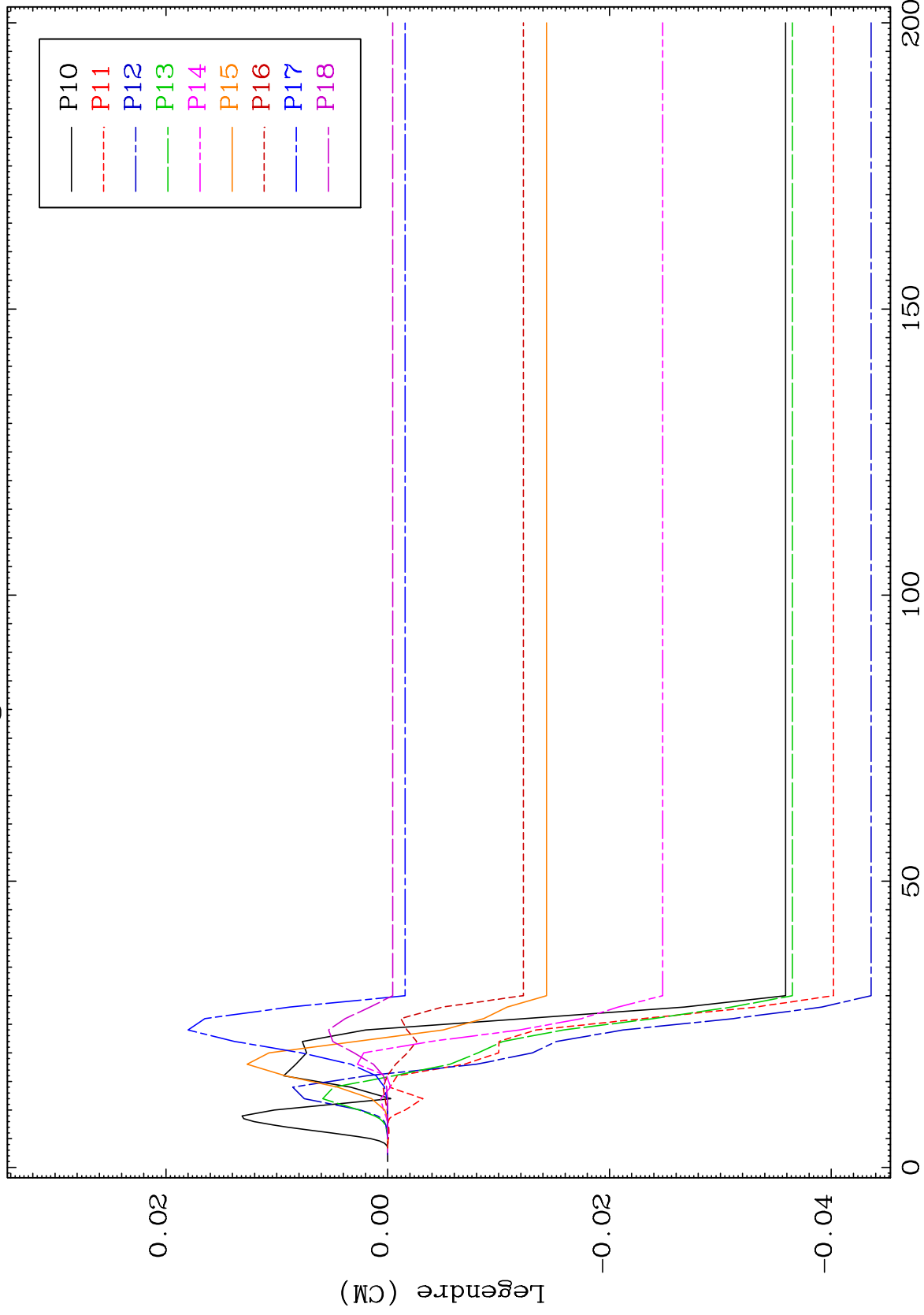
Incident Energy (MeV)

104

MAT 6816

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

68-Er-159



105

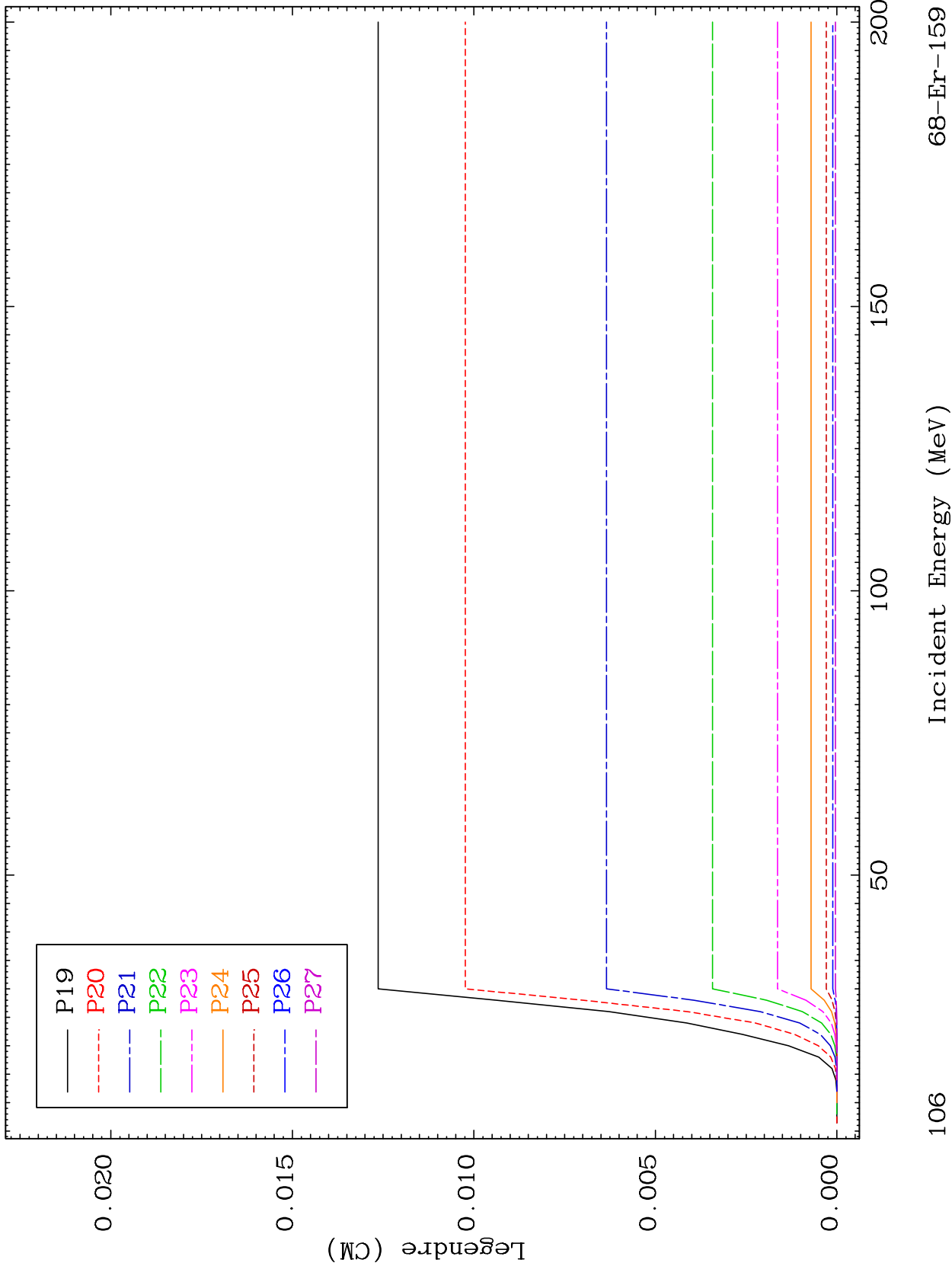
Incident Energy (MeV)

68-Er-159

MAT 6816

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

68-Er-159



106

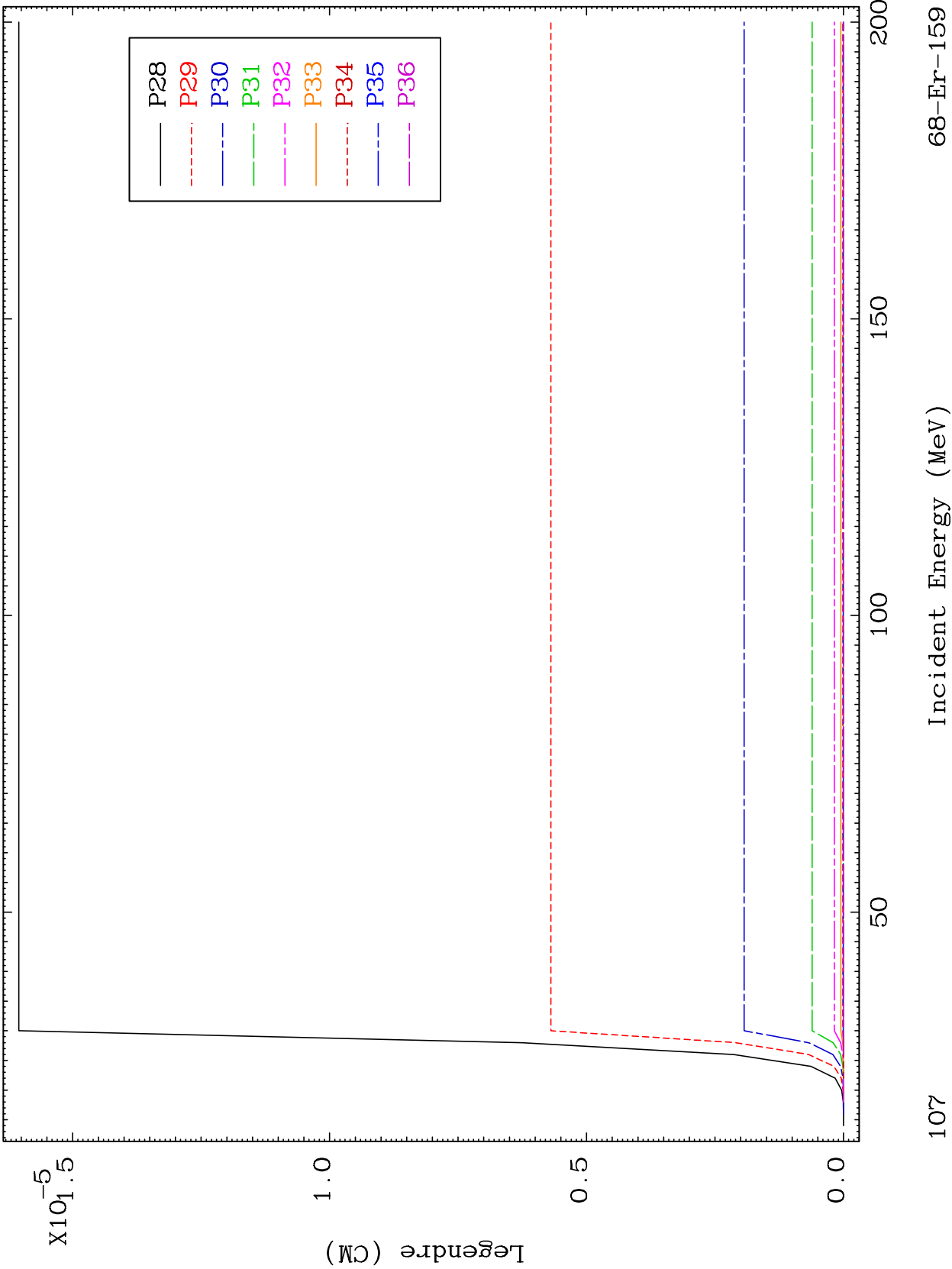
Incident Energy (MeV)

68-Er-159

MAT 6816

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

68-Er-159

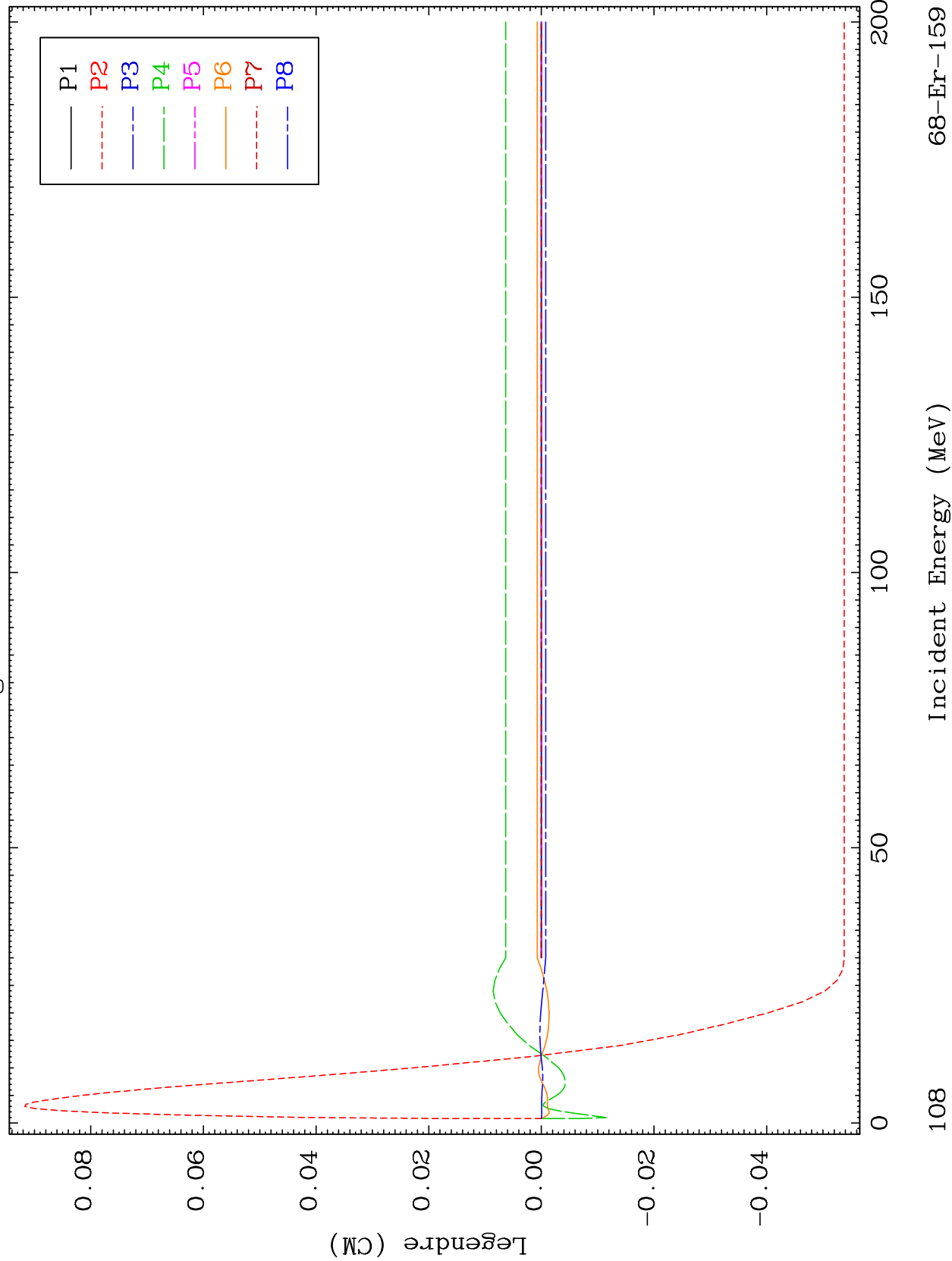


107

MAT 6816

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

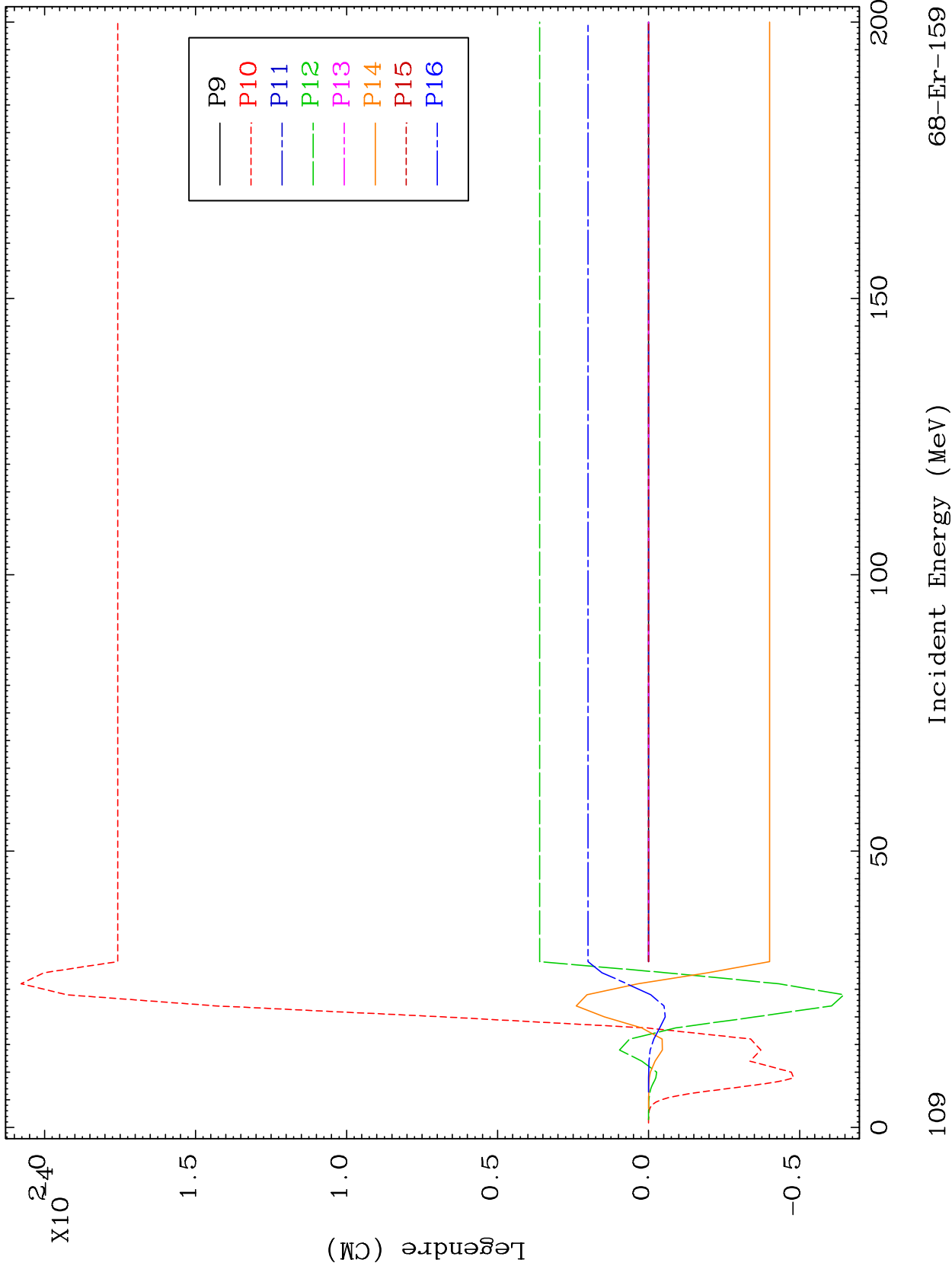
68-Er-159



MAT 6816

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

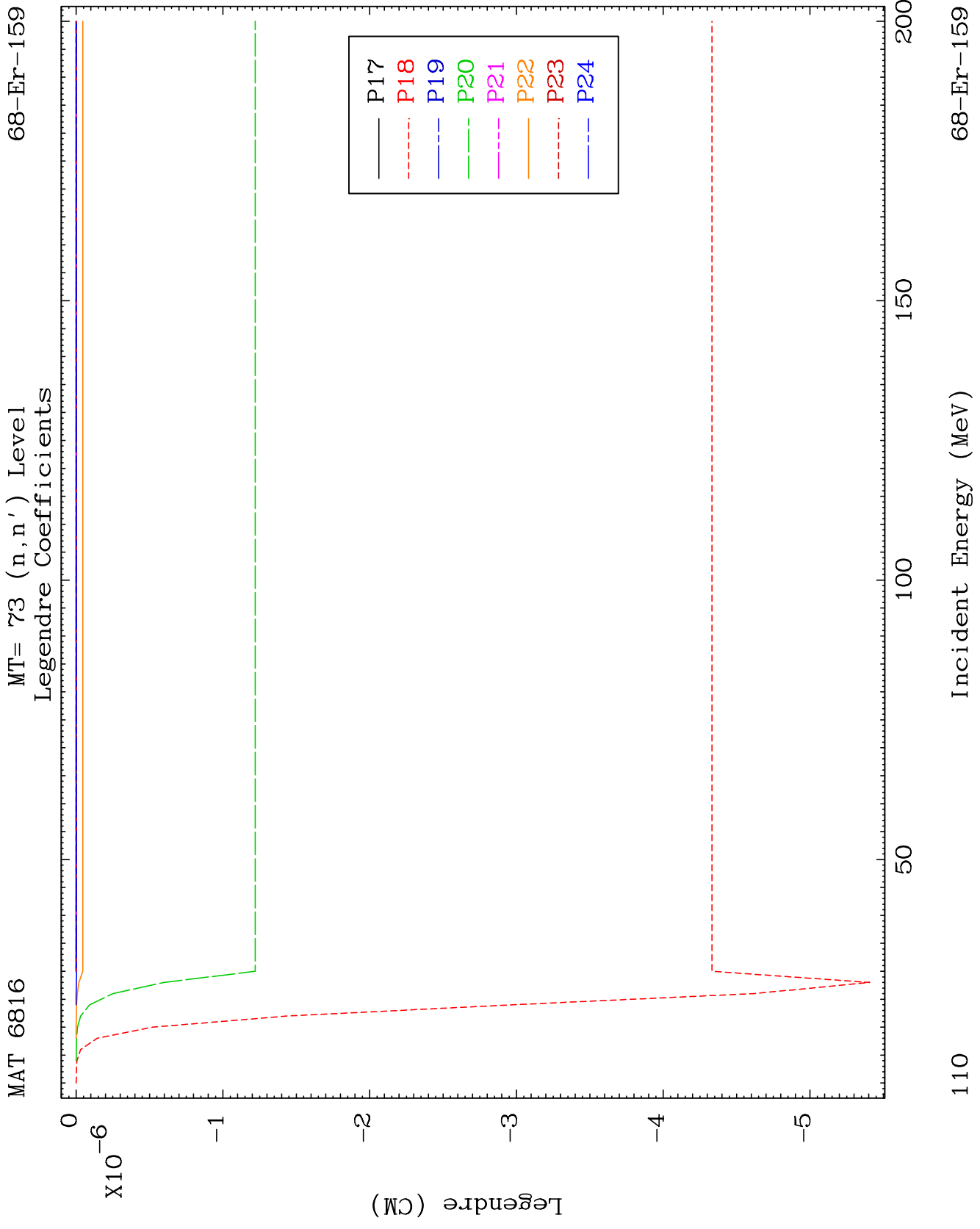
68-Er-159



68-Er-159

Incident Energy (MeV)

109

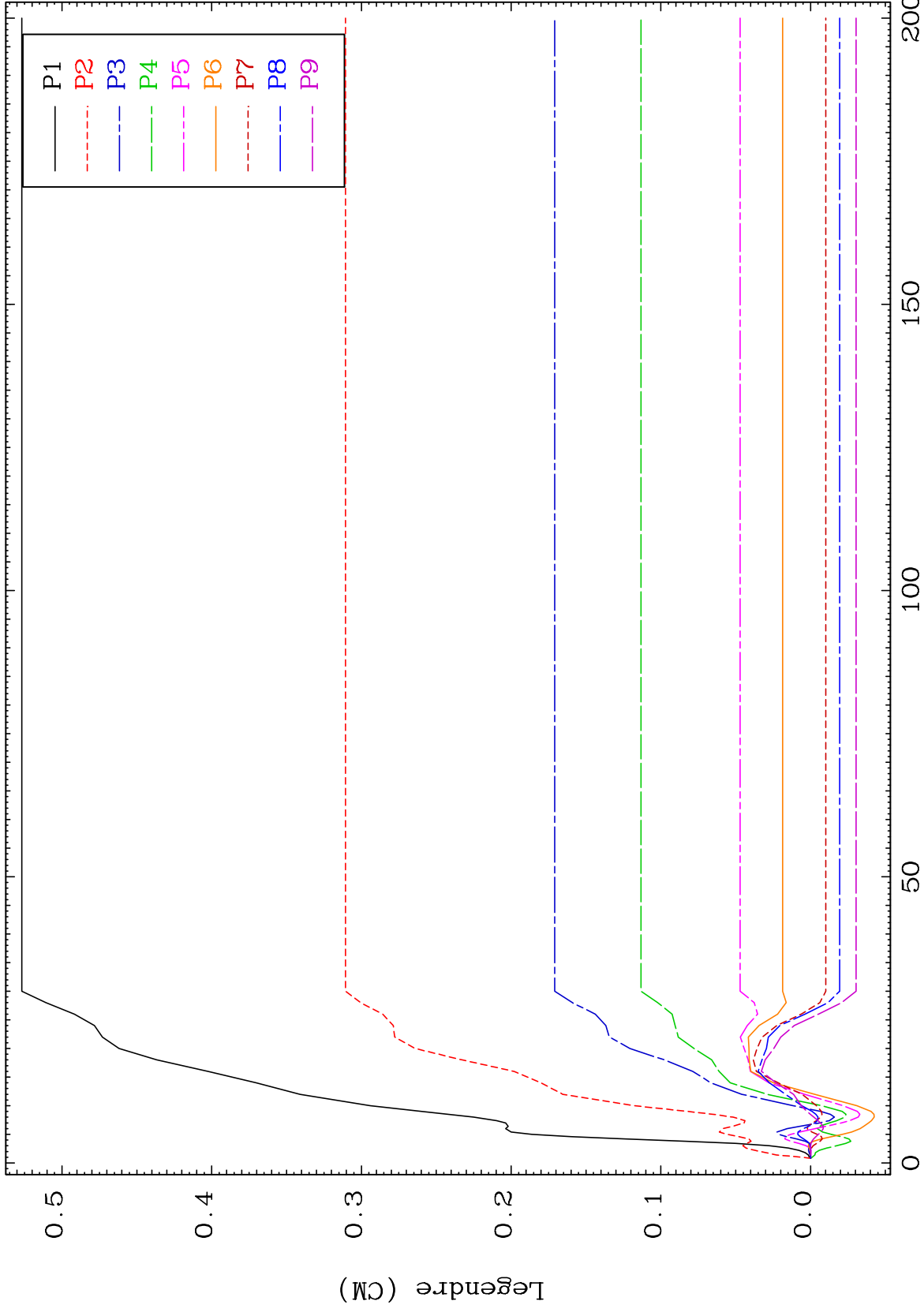


MAT 6816

MT= 74 (n,n') Level

68-Er-159

Legendre Coefficients



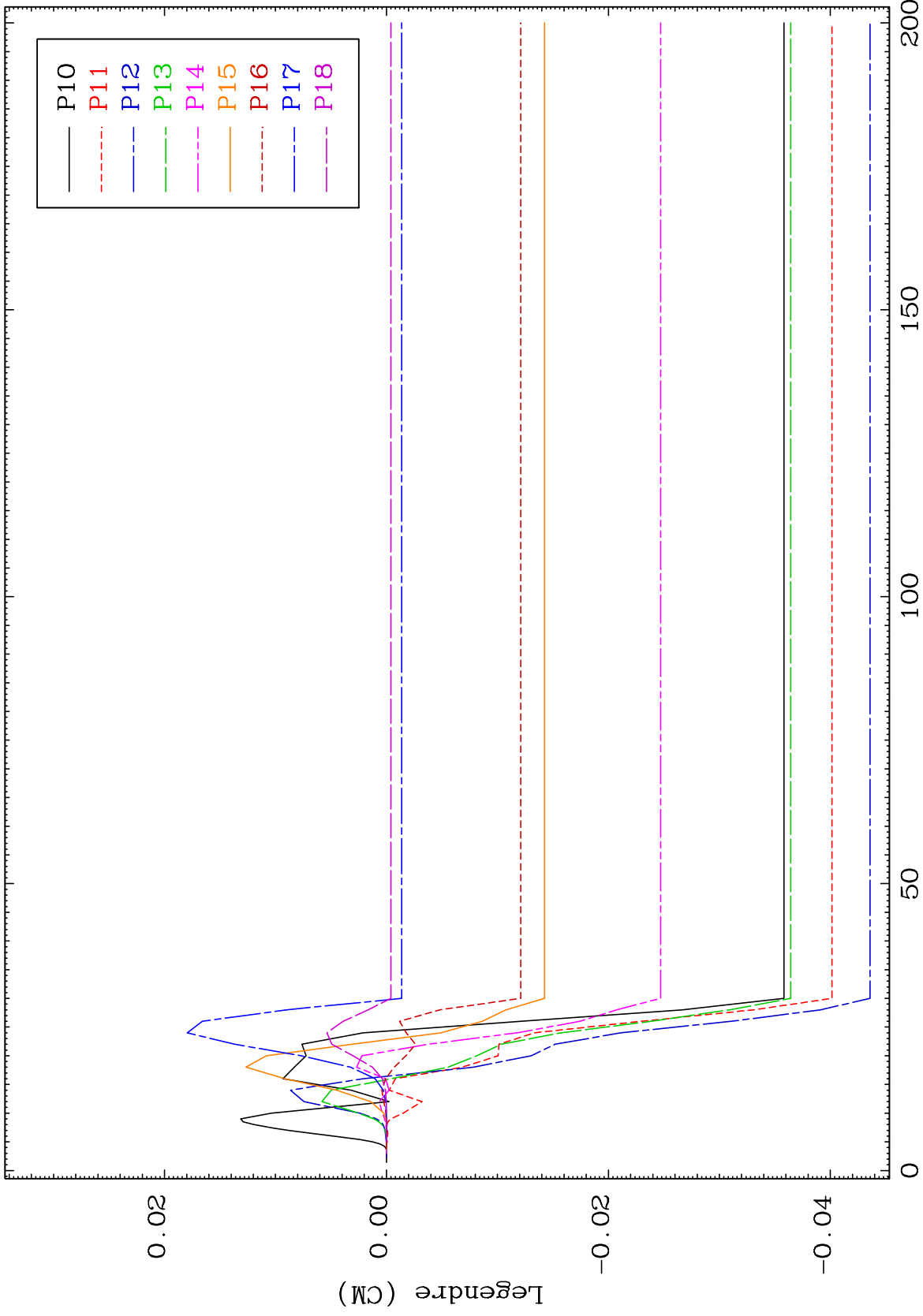
111

68-Er-159

MAT 6816

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

68-Er-159



112

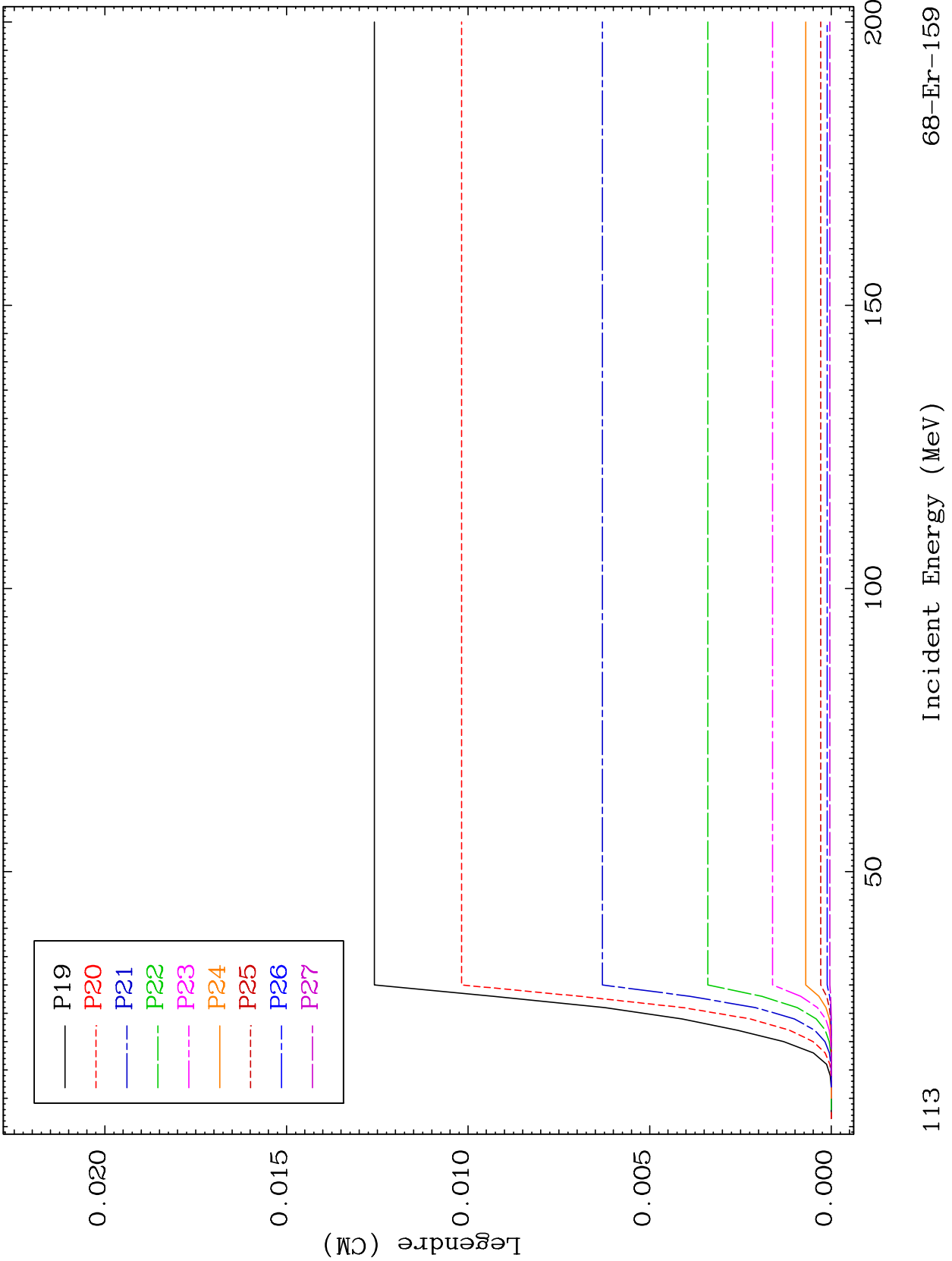
Incident Energy (MeV)

68-Er-159

MAT 6816

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

68-Er-159



113

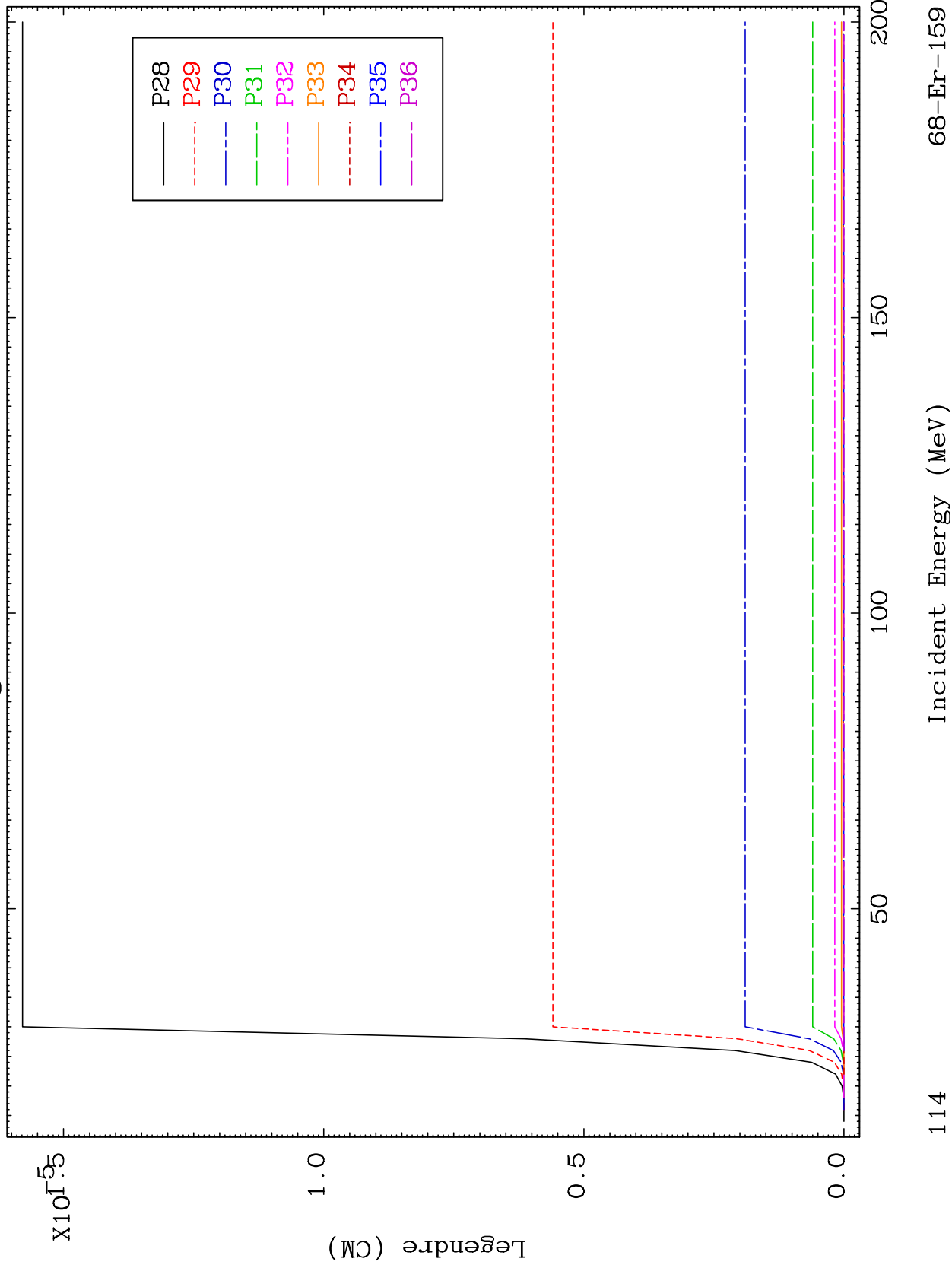
Incident Energy (MeV)

68-Er-159

MAT 6816

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

68-Er-159



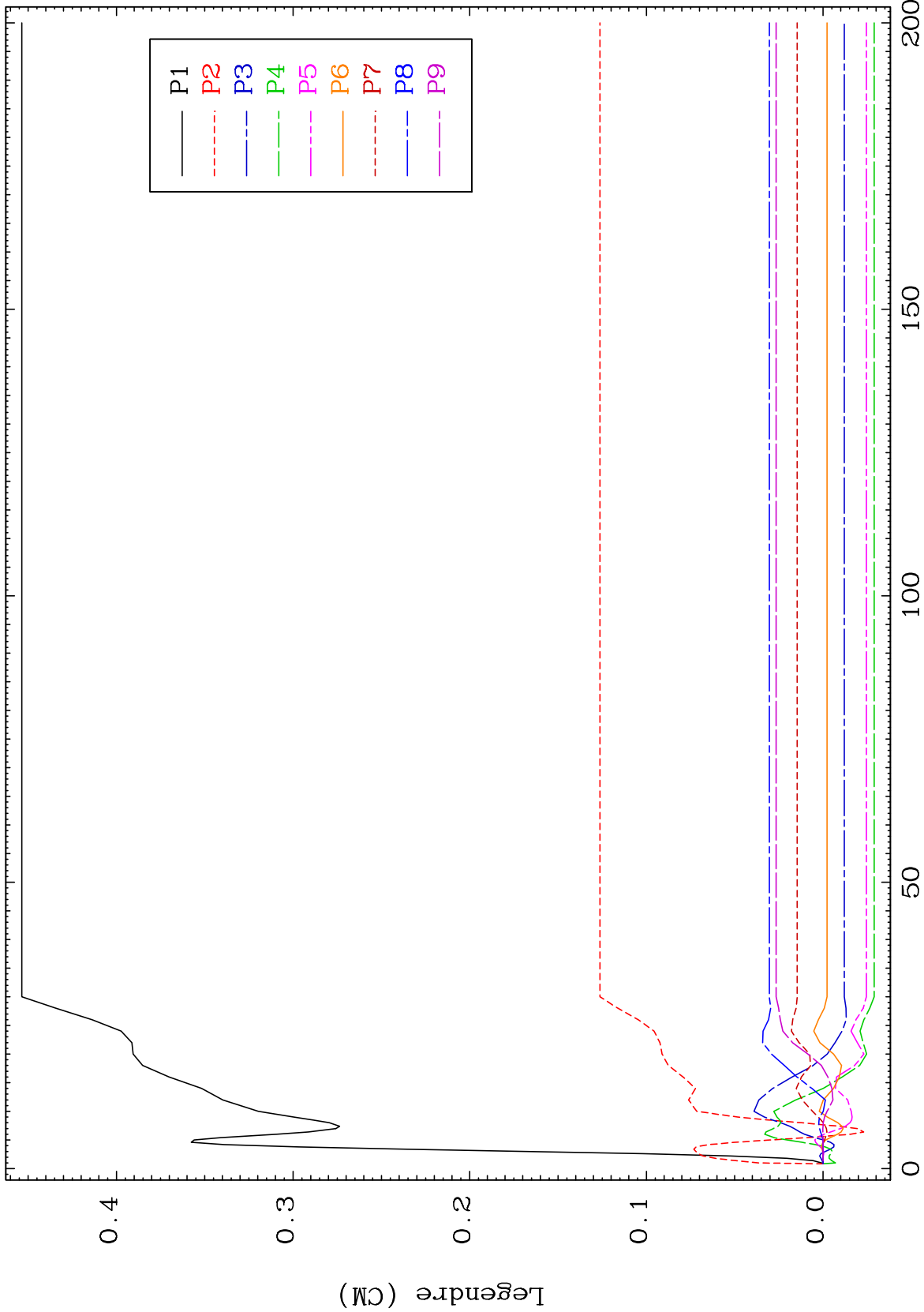
114

68-Er-159

MAT 6816

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

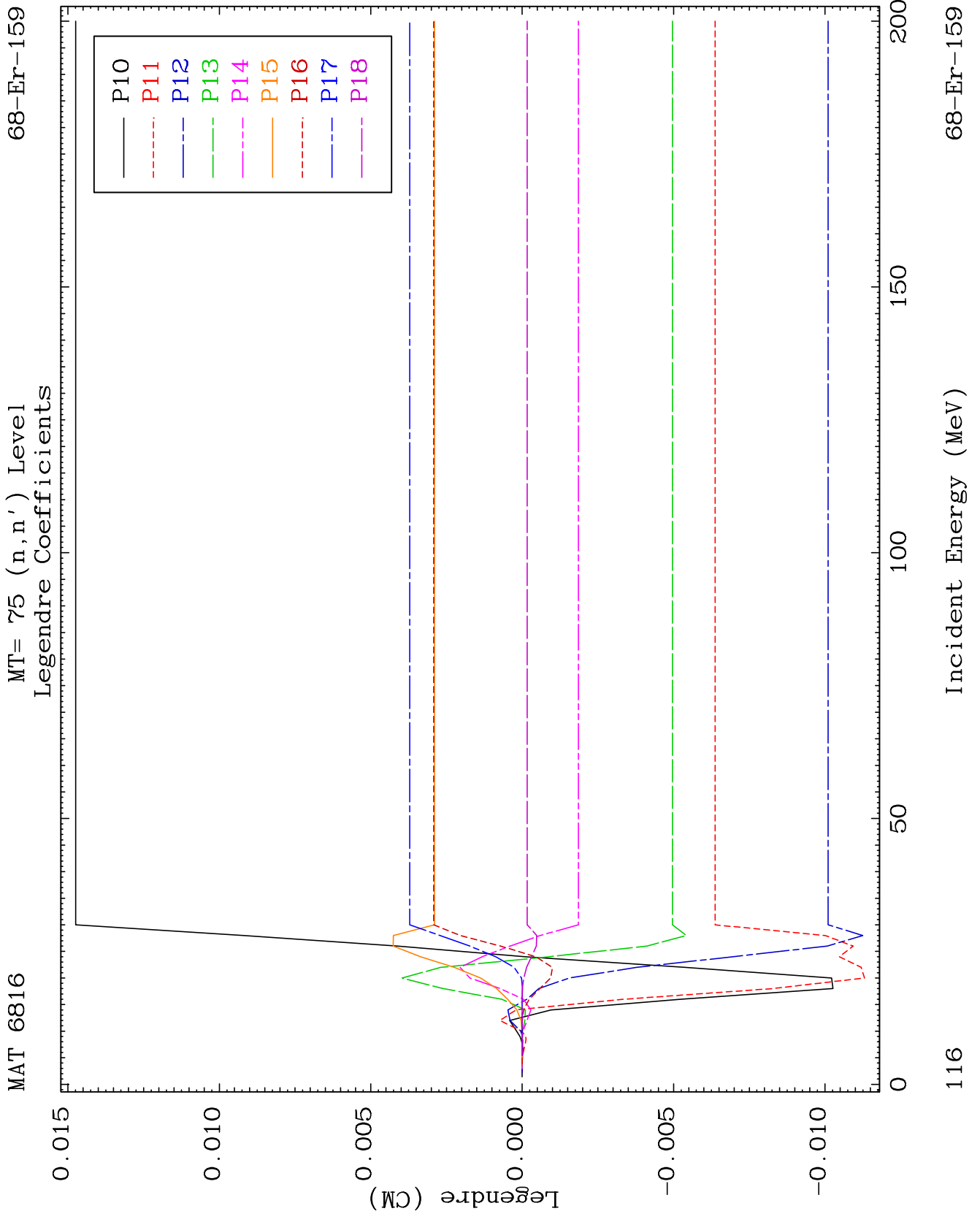
68-Er-159

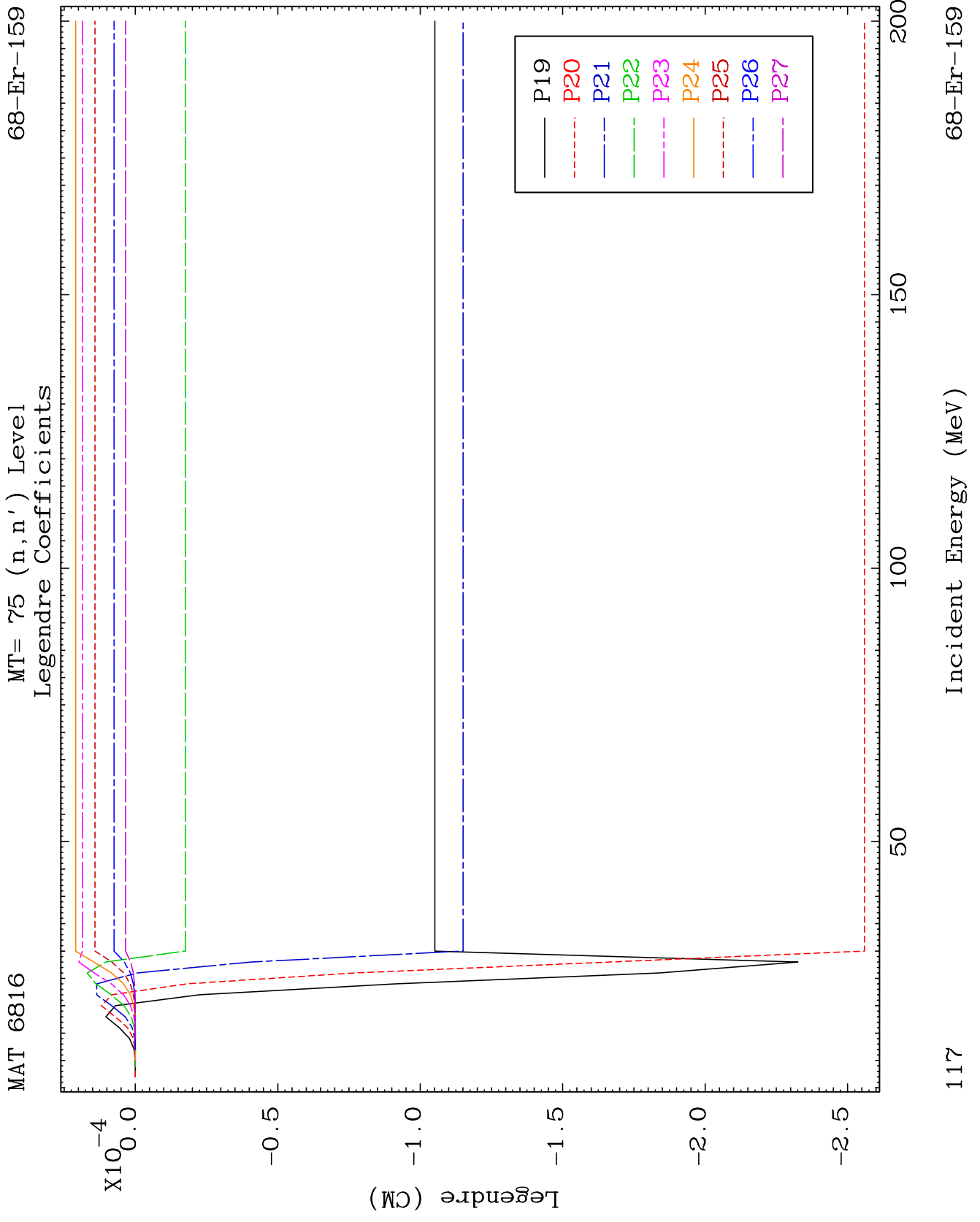


68-Er-159

Incident Energy (MeV)

115

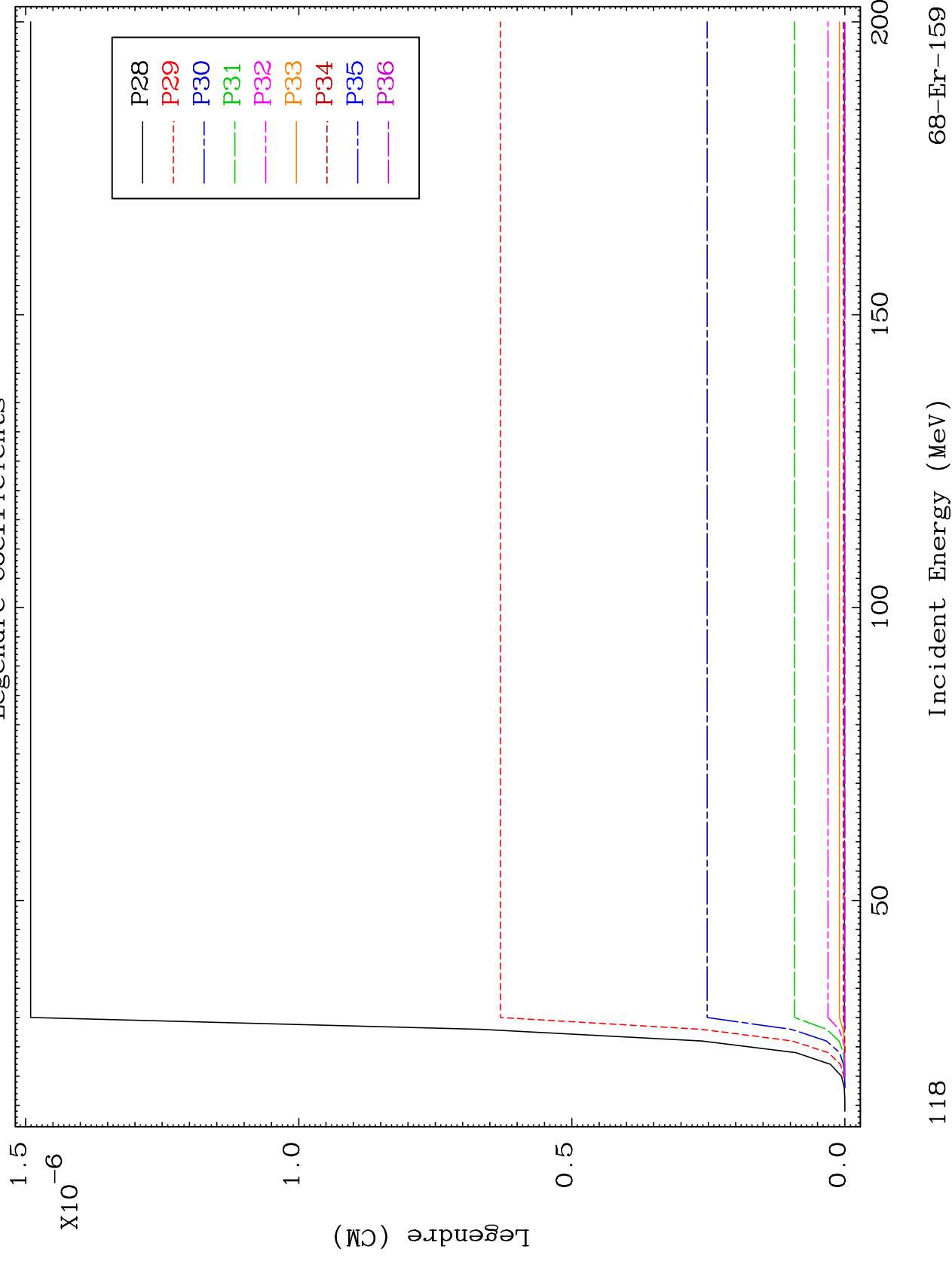




MAT 6816

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

68-Er-159



118

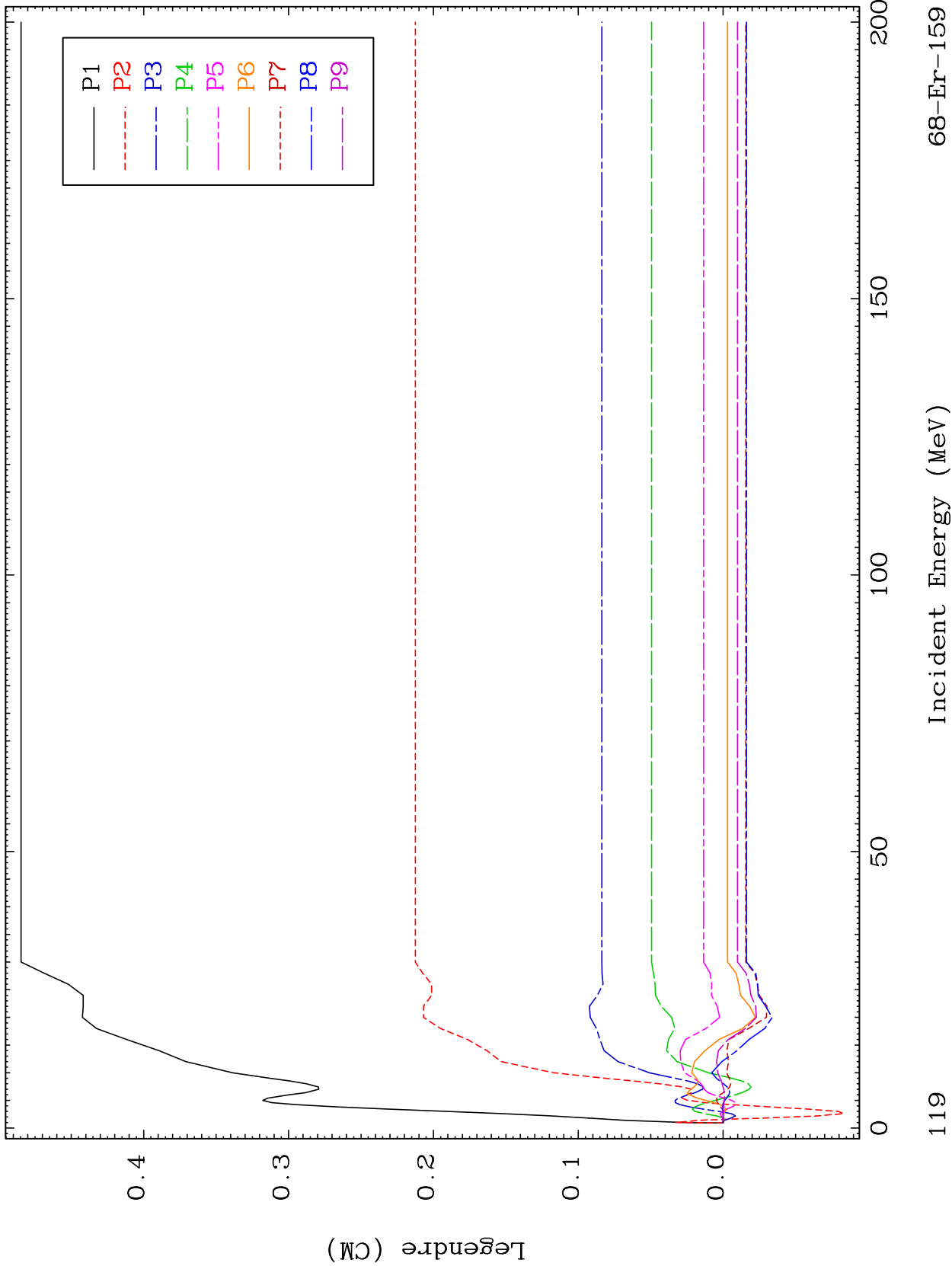
Incident Energy (MeV)

68-Er-159

MAT 6816

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

68-Er-159



68-Er-159

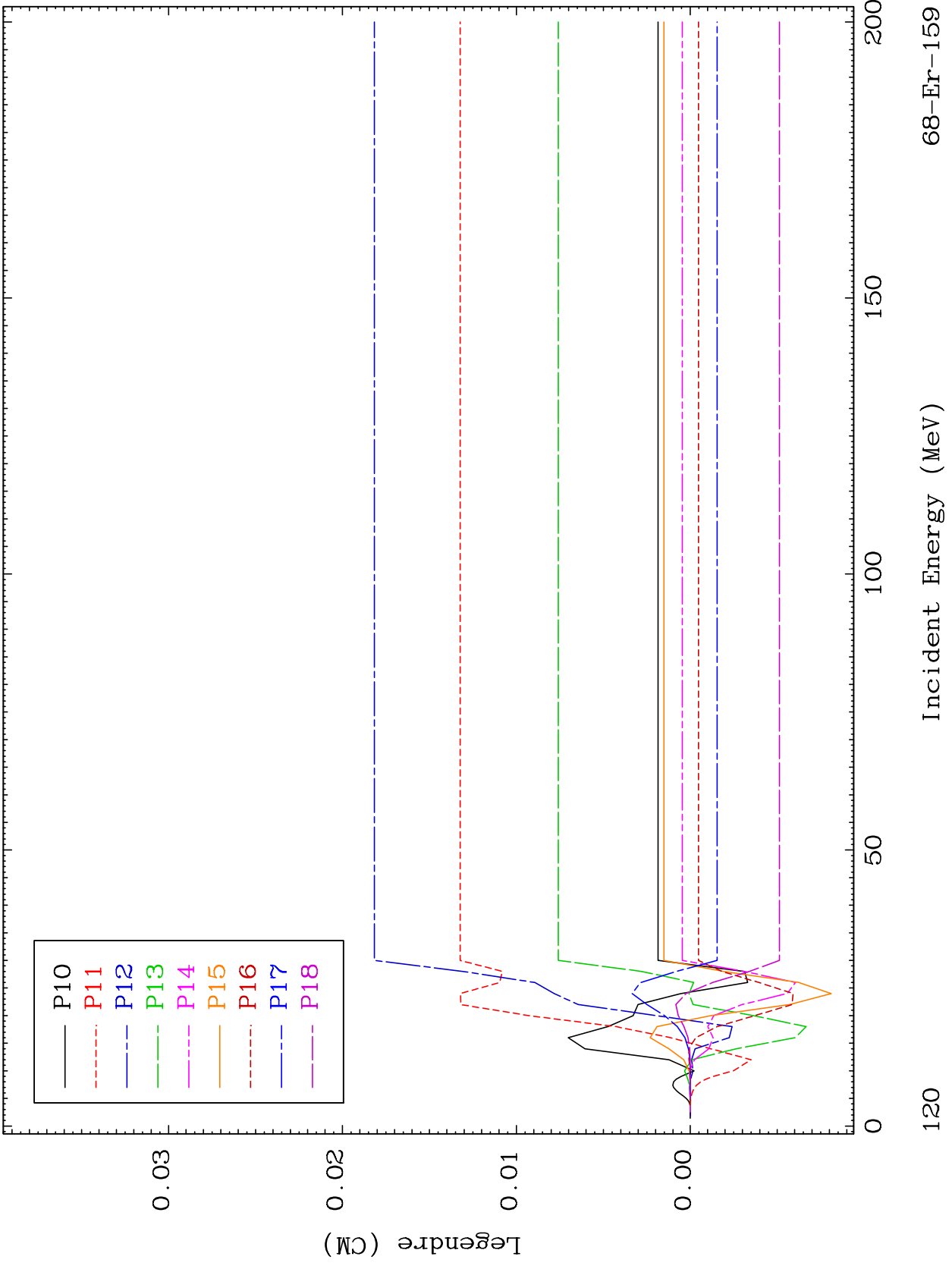
Incident Energy (MeV)

119

MAT 6816

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

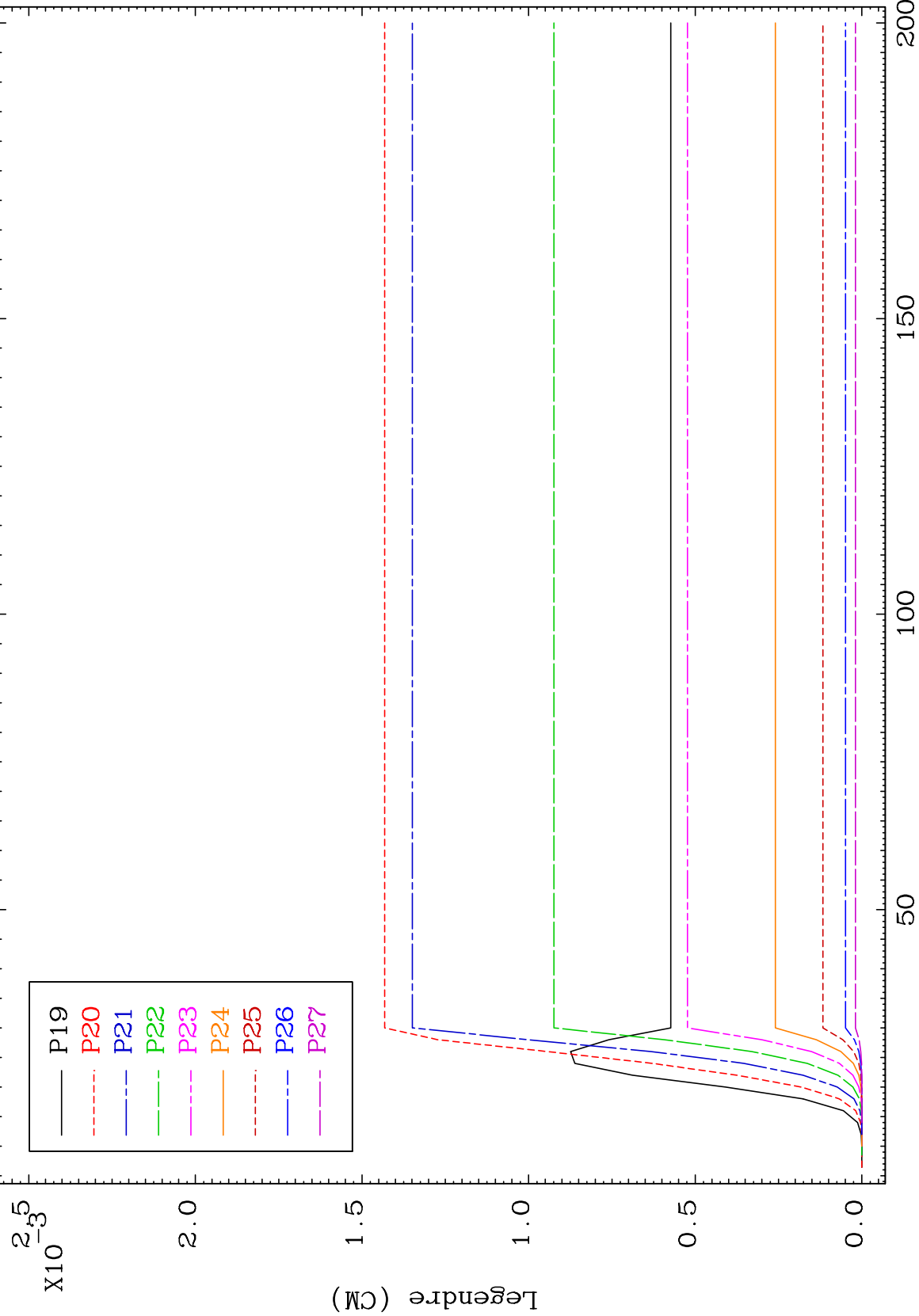
68-Er-159



68-Er-159

Incident Energy (MeV)

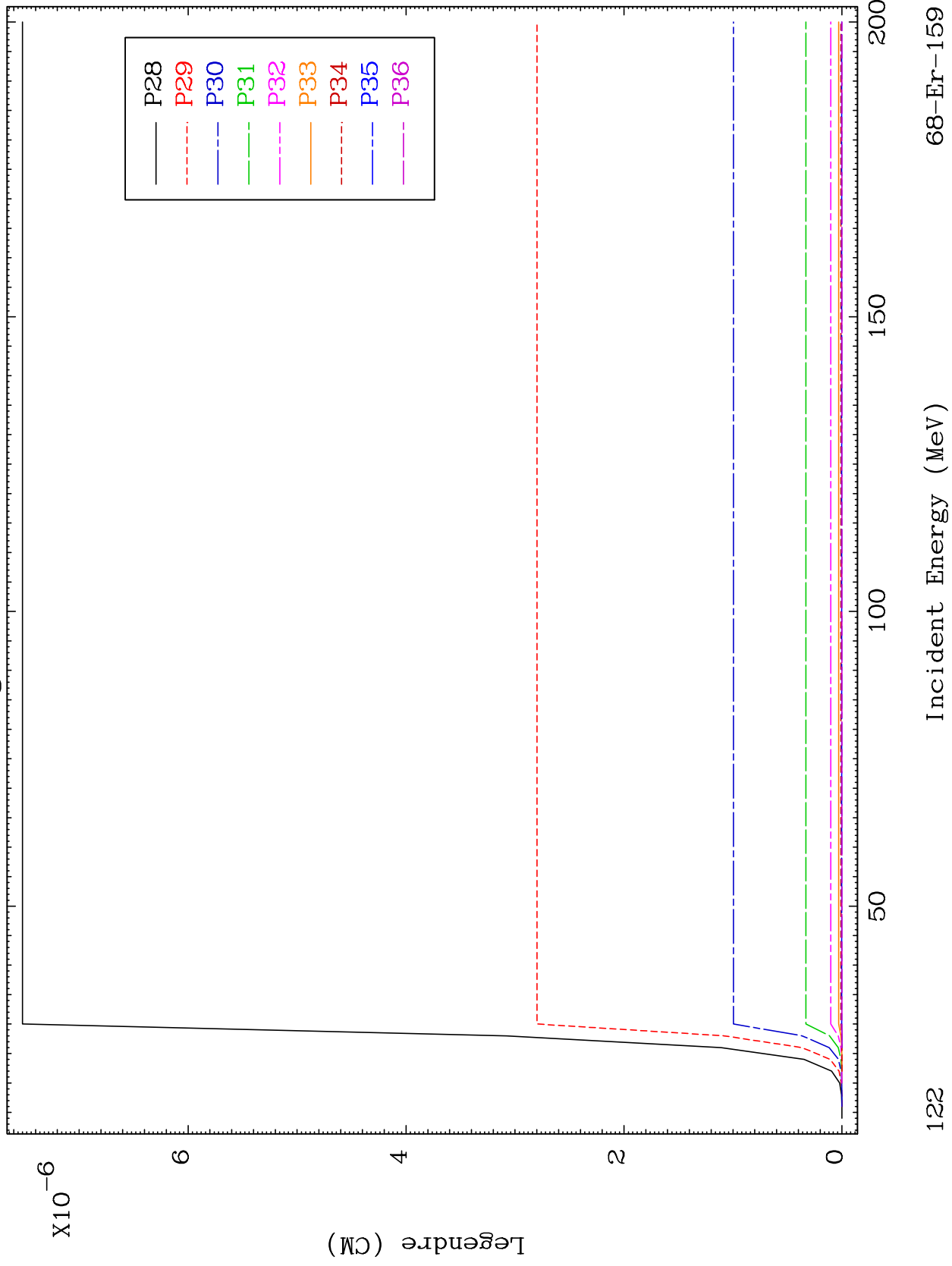
120



MAT 6816

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

68-Er-159



122

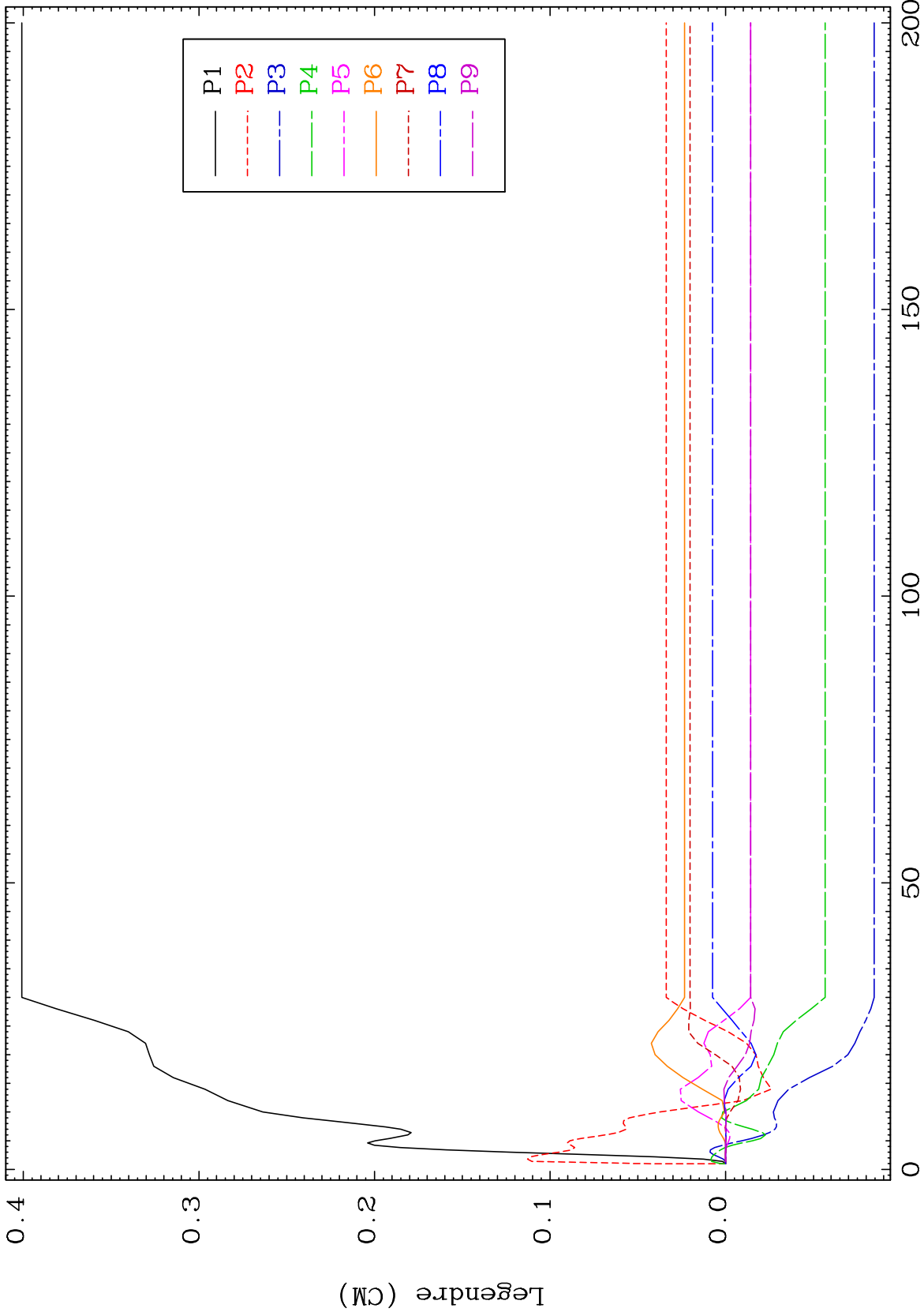
Incident Energy (MeV)

68-Er-159

MAT 6816

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

68-Er-159



123

Incident Energy (MeV)

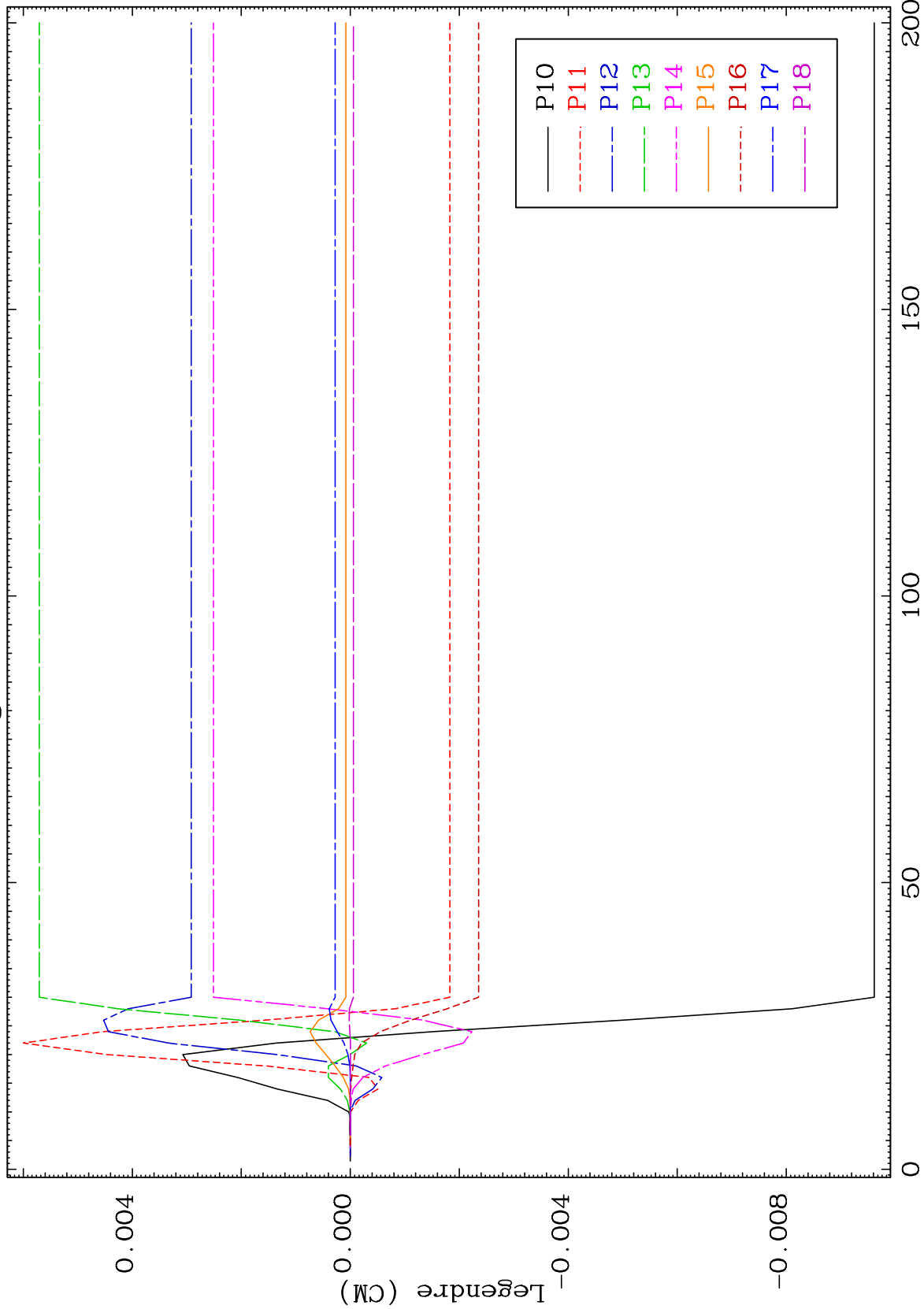
68-Er-159

MAT 6816

MT= 77 (n,n') Level

68-Er-159

Legendre Coefficients



124

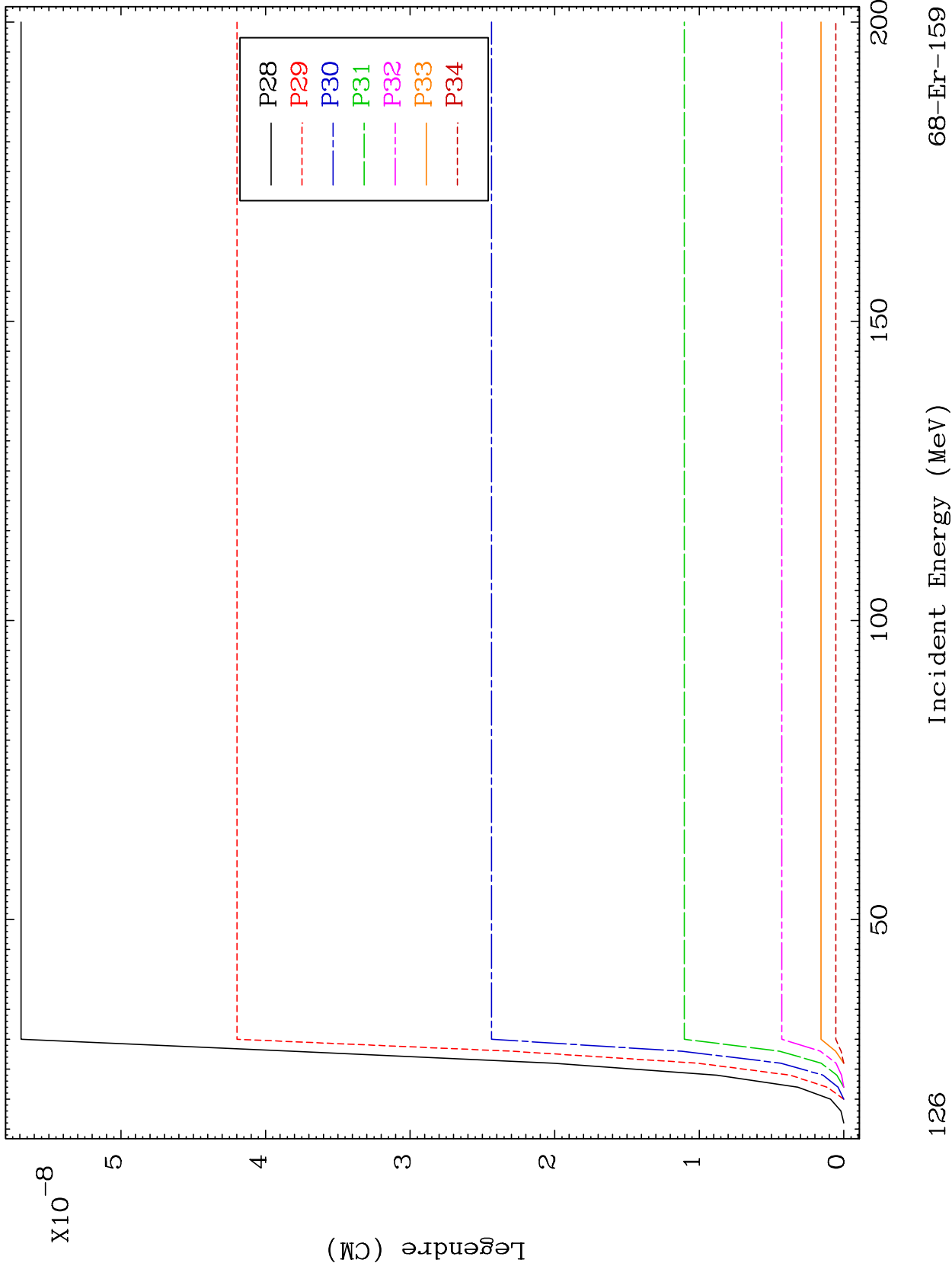
Incident Energy (MeV)

68-Er-159

MAT 6816

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

68-Er-159



126

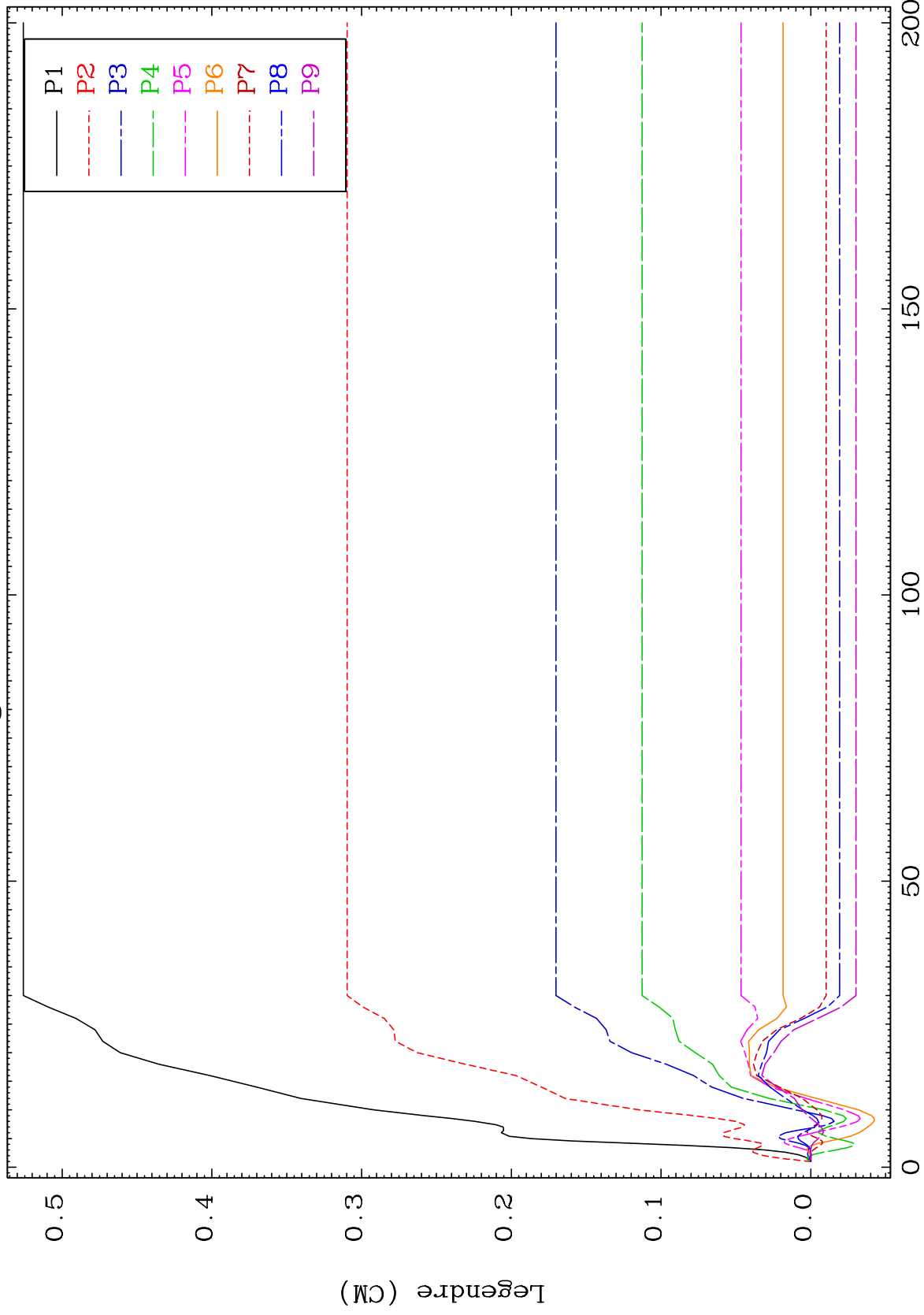
Incident Energy (MeV)

68-Er-159

MAT 6816

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

68-Er-159



68-Er-159

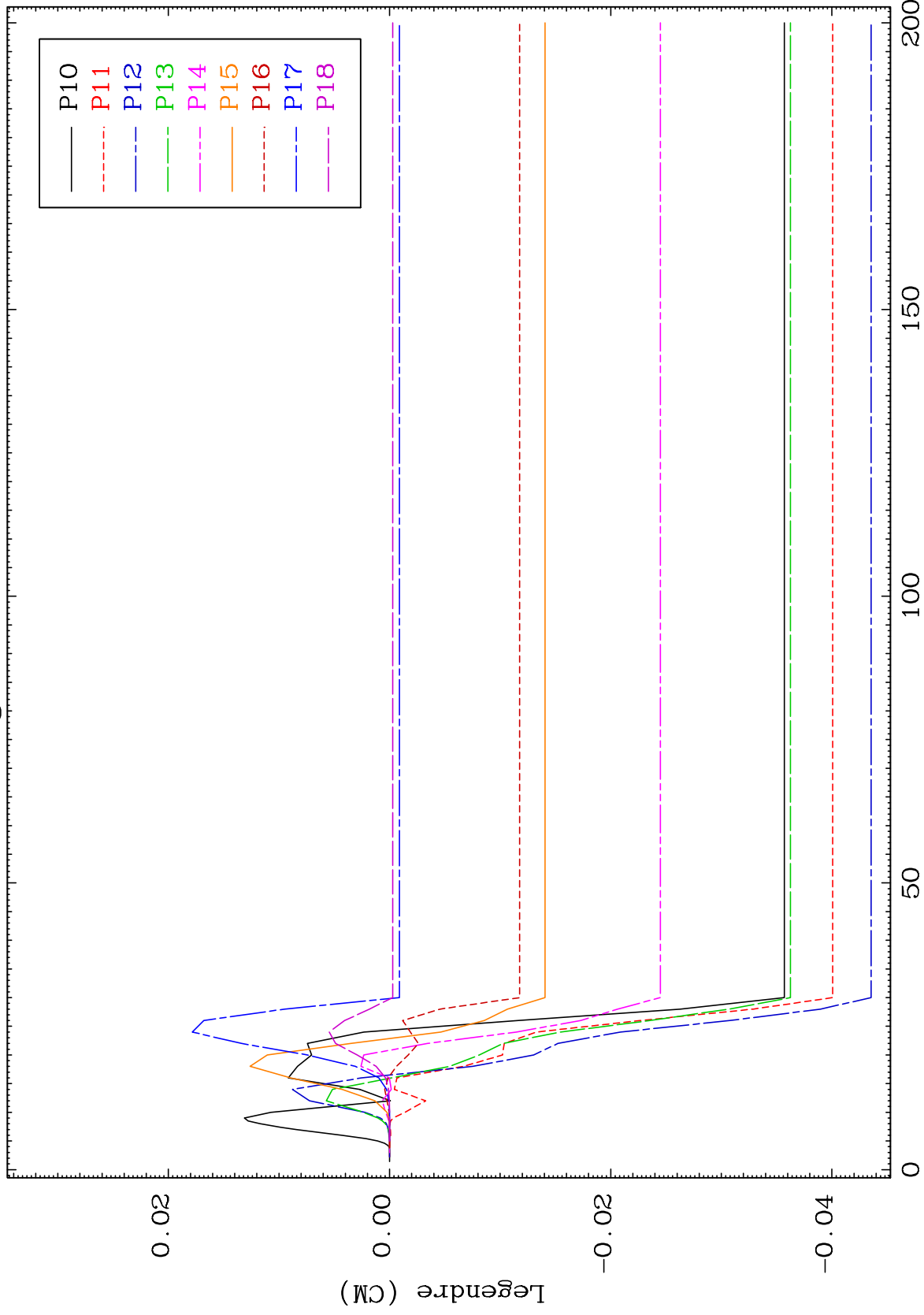
Incident Energy (MeV)

127

MAT 6816

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

68-Er-159



128

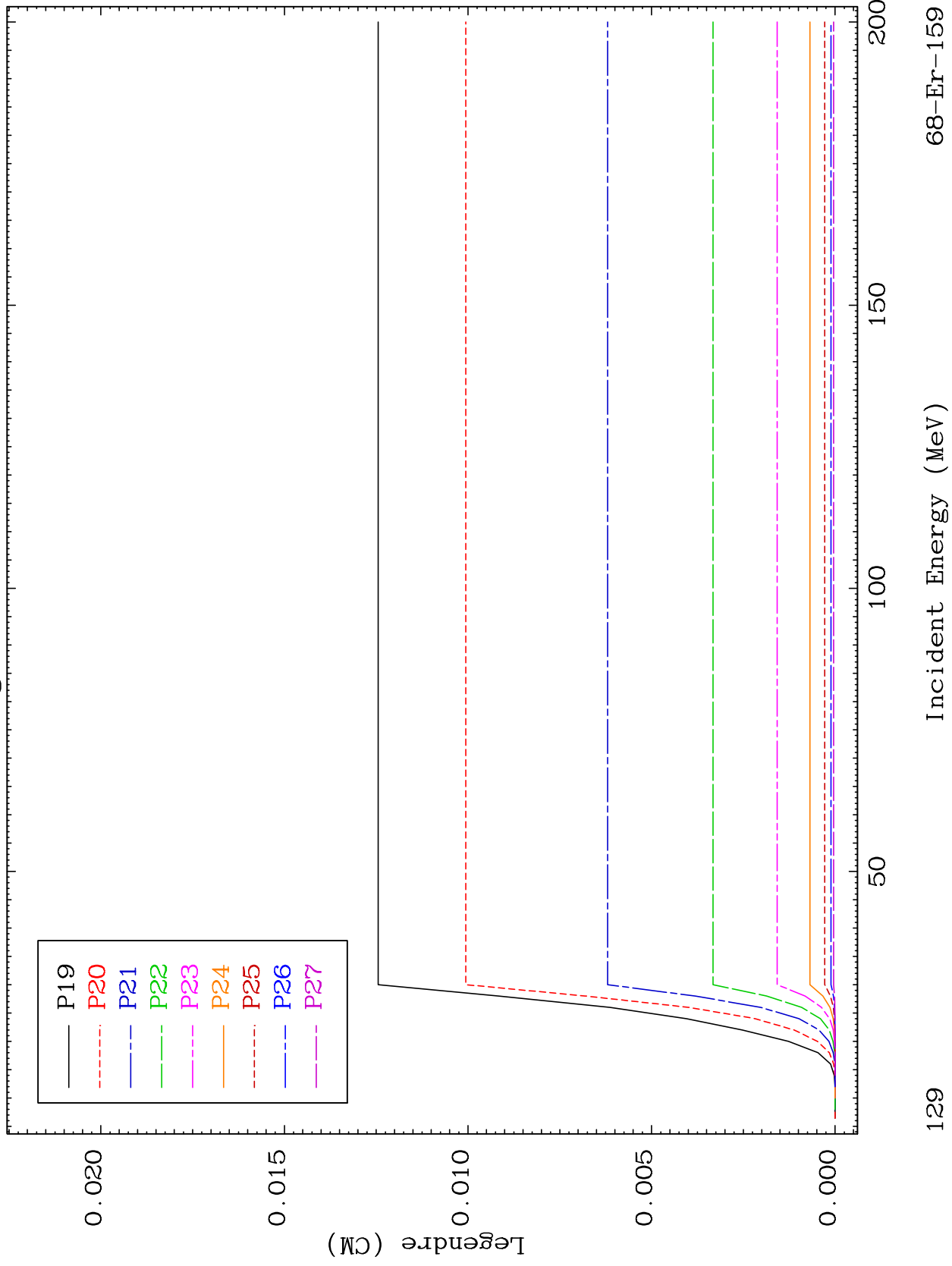
Incident Energy (MeV)

68-Er-159

MAT 6816

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

68-Er-159



129

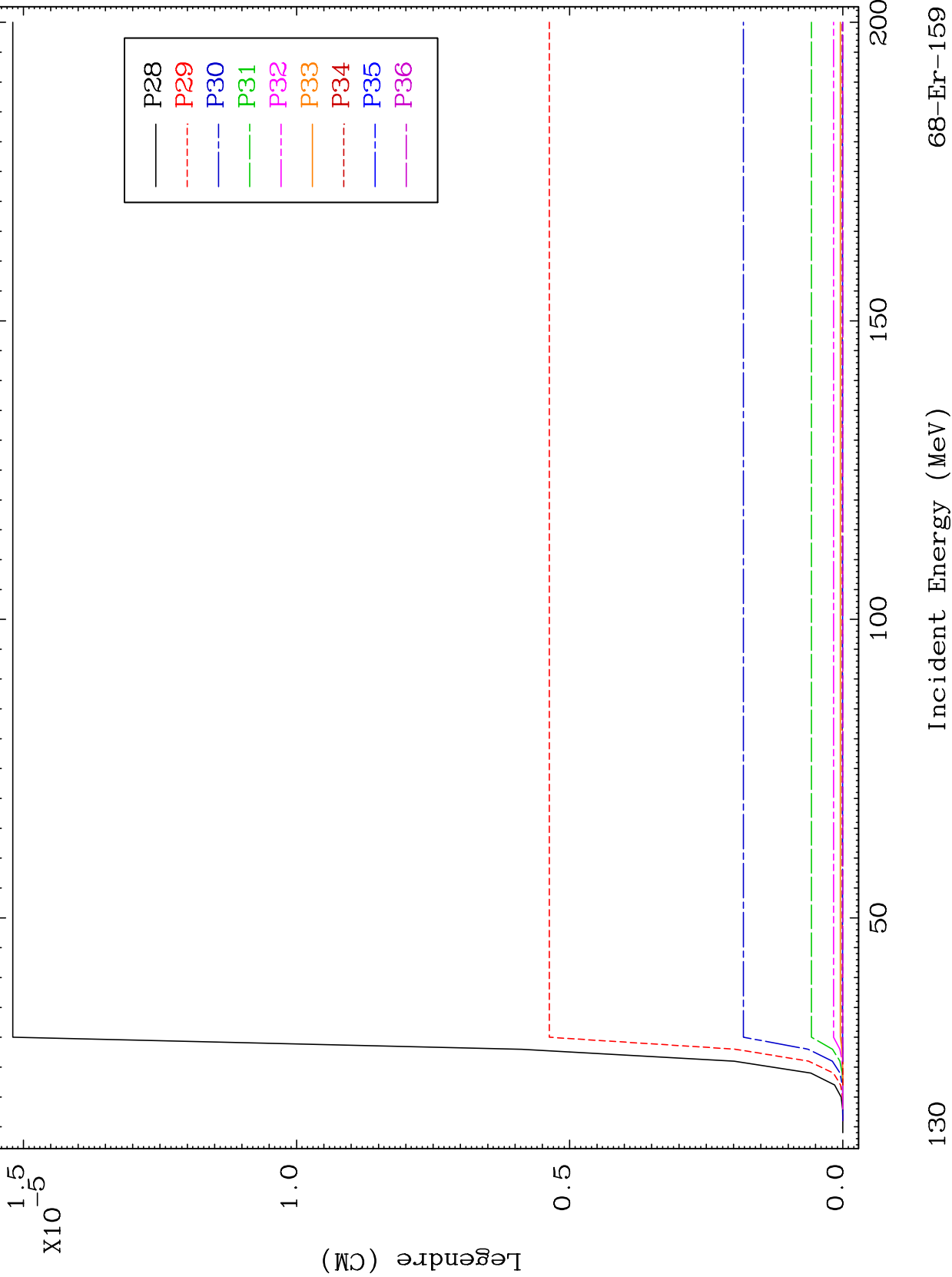
Incident Energy (MeV)

68-Er-159

MAT 6816

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

68-Er-159

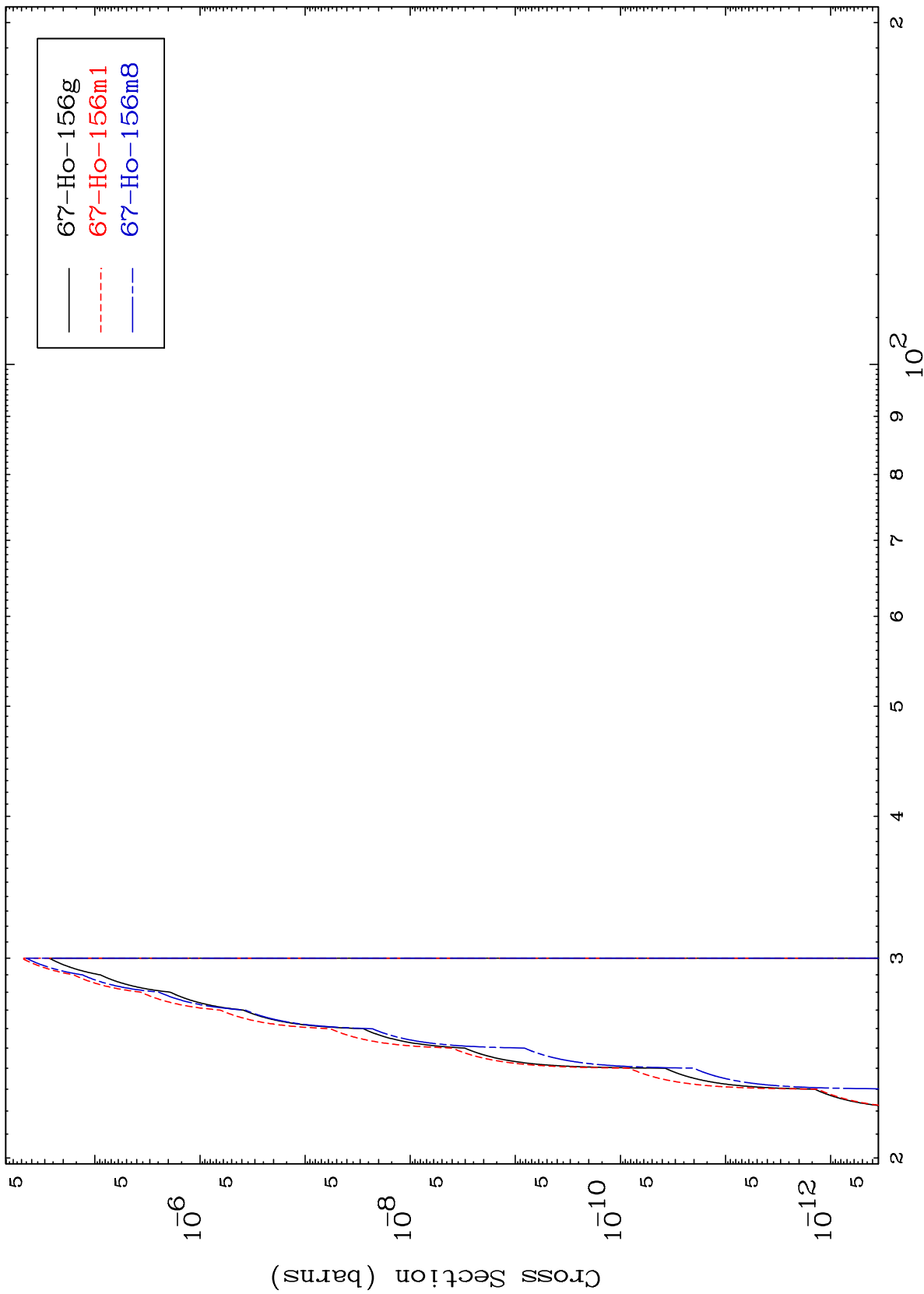


MAT 6816

(n,2n) d

68-Er-159

Radionuclide Production Cross Section



131

Incident Energy (MeV)

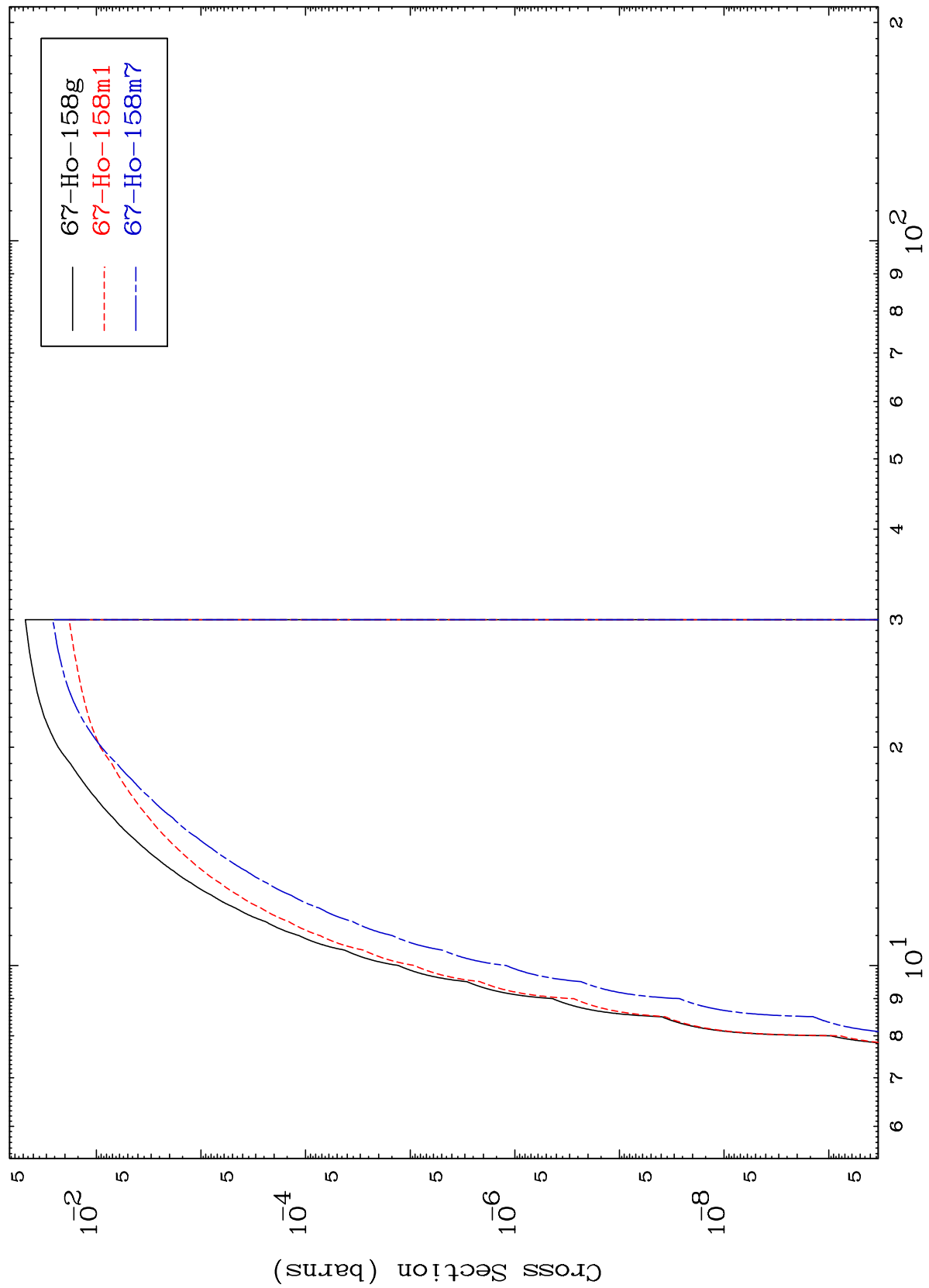
68-Er-159

MAT 6816

(n,n') p

68-Er-159

Radionuclide Production Cross Section

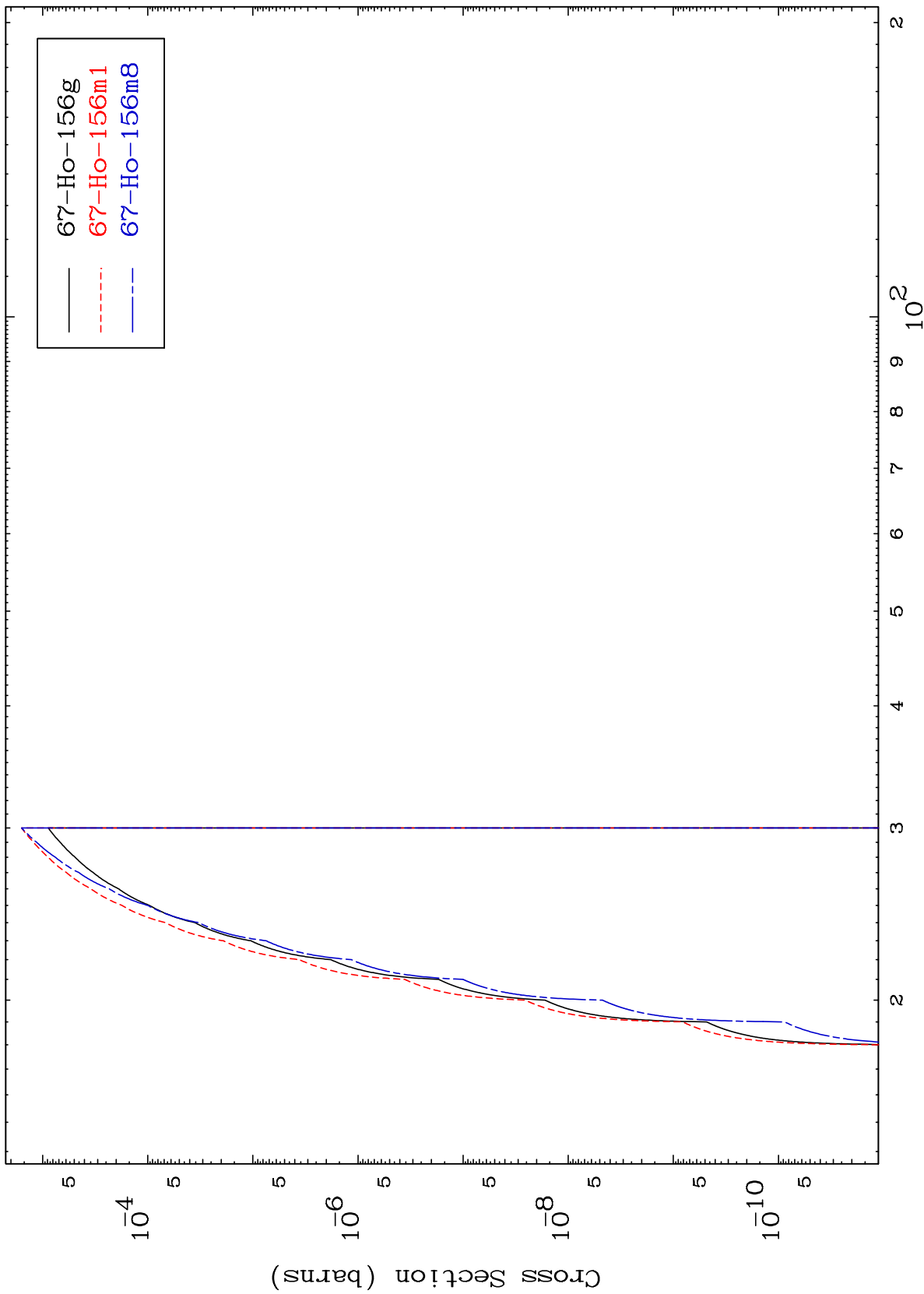


132

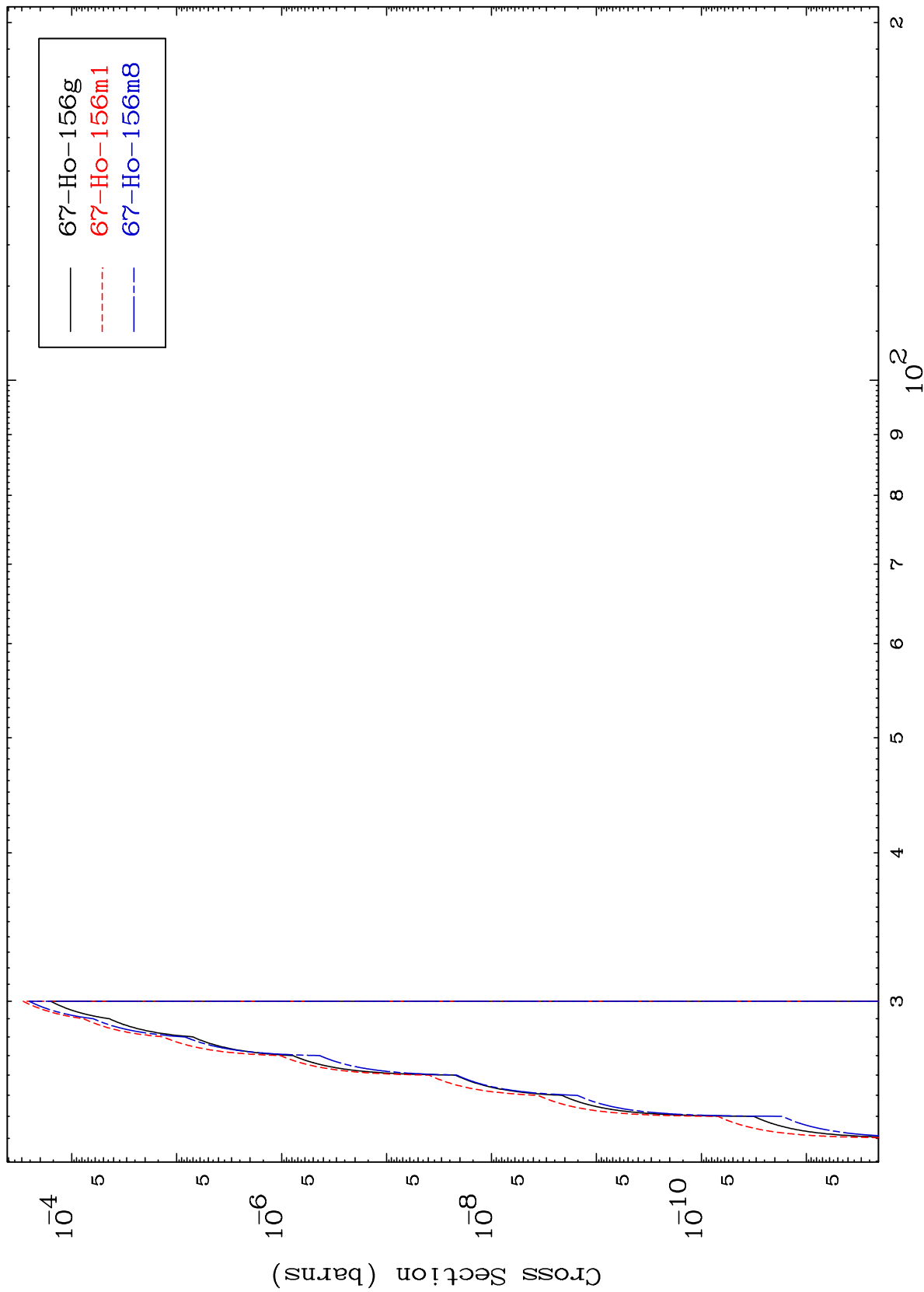
Incident Energy (MeV)

68-Er-159

Radionuclide Production Cross Section



Radionuclide Production Cross Section

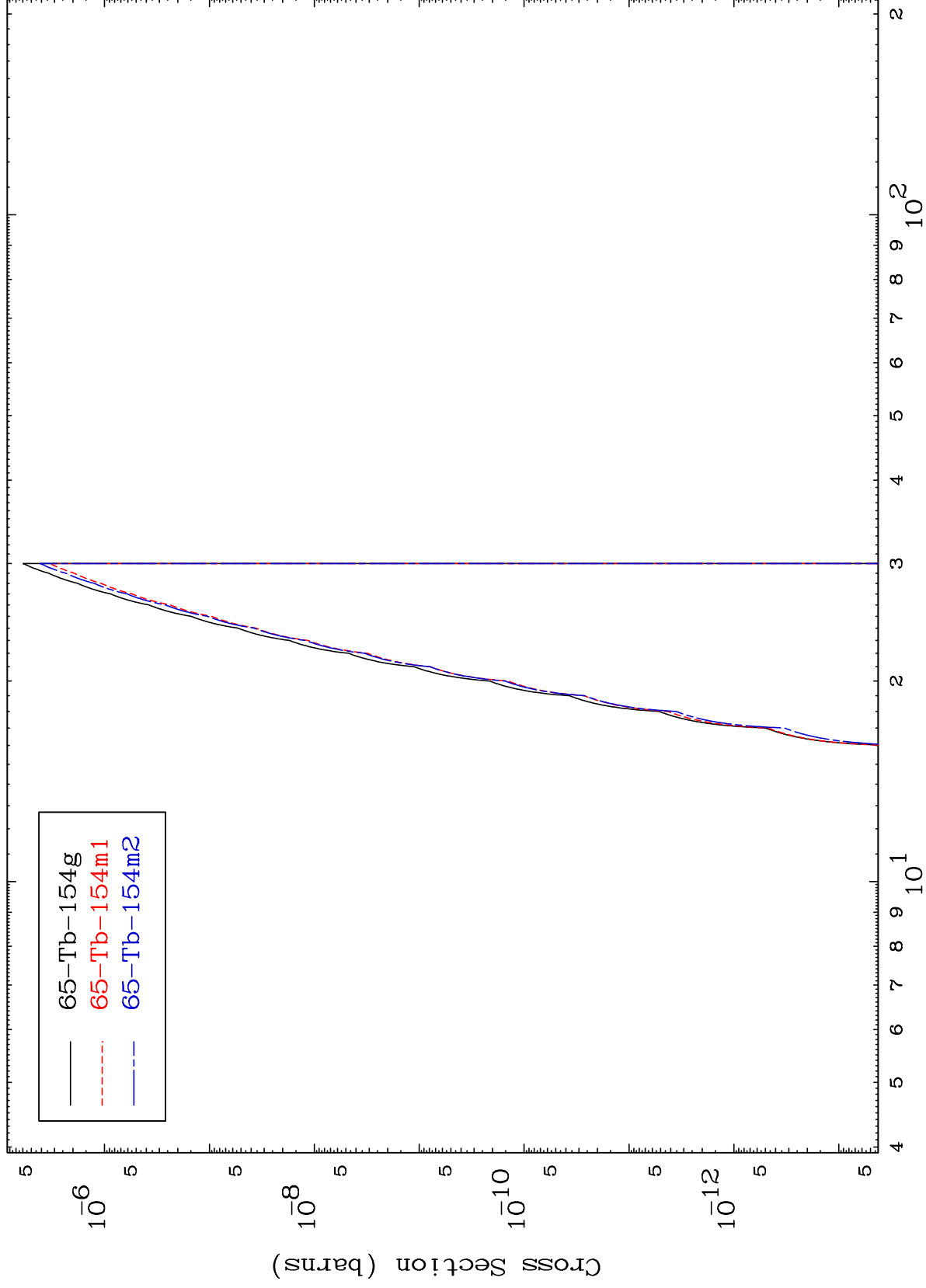


MAT 6816

(n,n') p α

68-Er-159

Radionuclide Production Cross Section

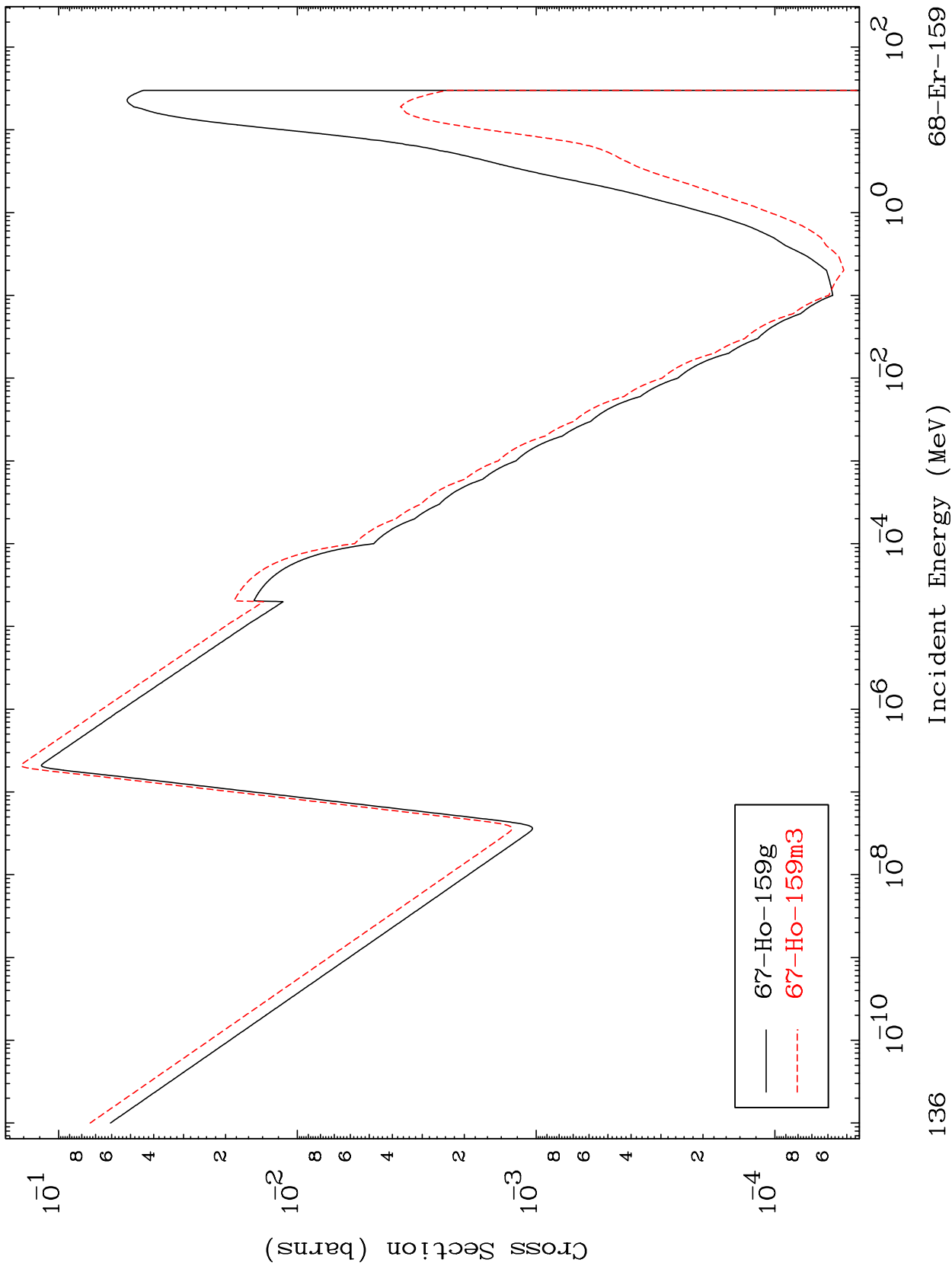


135

Incident Energy (MeV)

68-Er-159

(n,p)
Radionuclide Production Cross Section

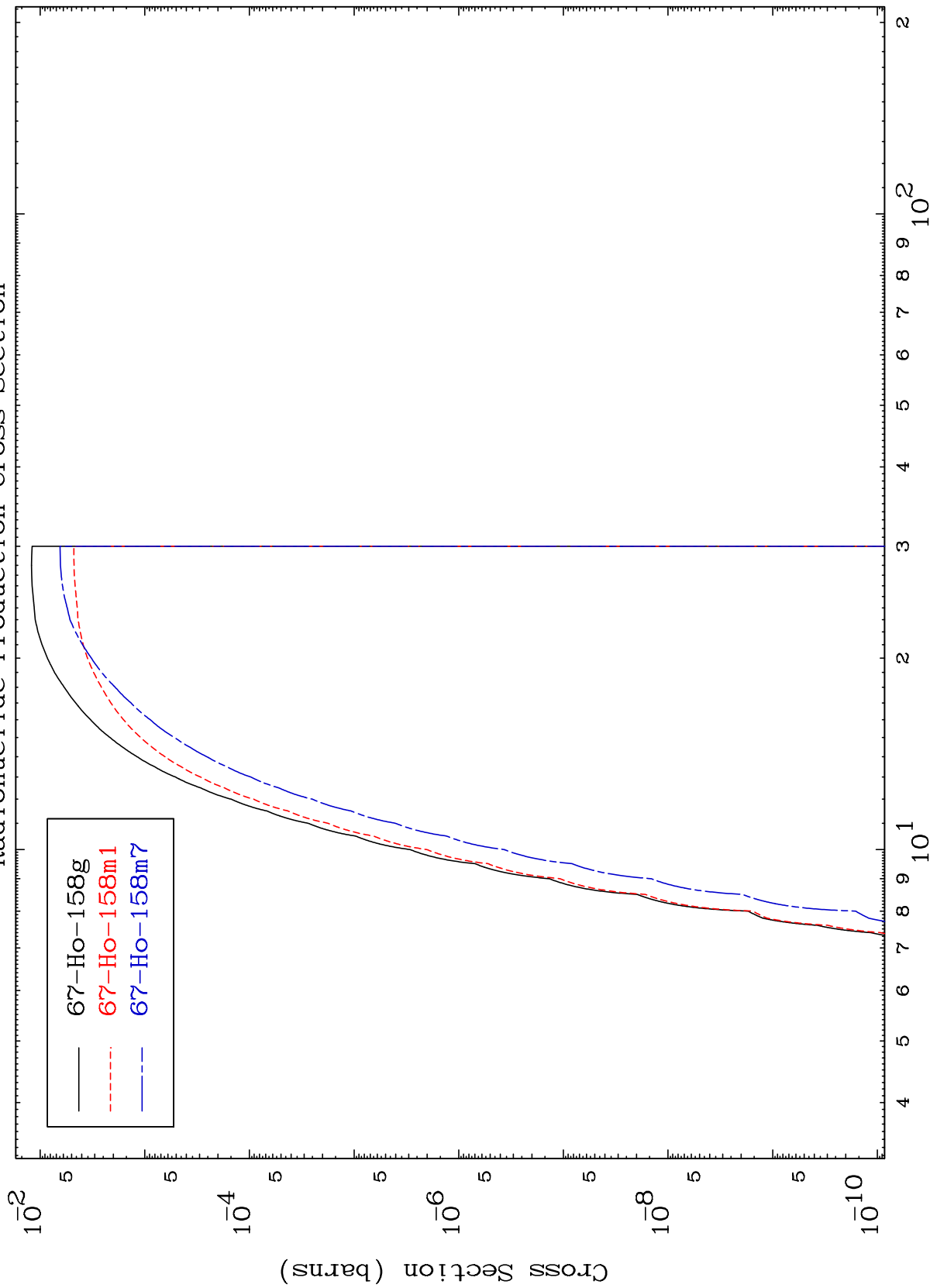


MAT 6816

(n,d)

68-Er-159

Radionuclide Production Cross Section

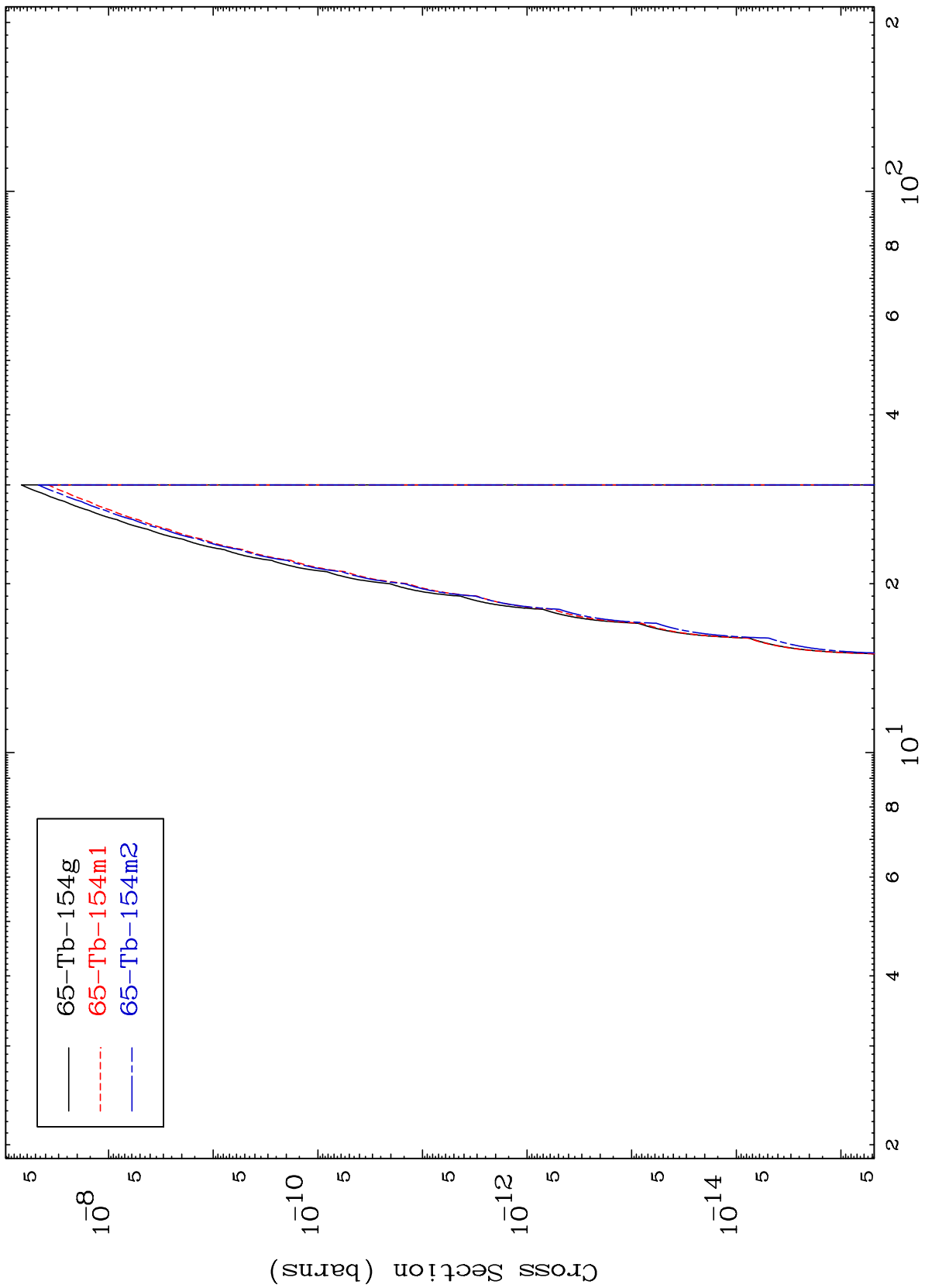


137

Incident Energy (MeV)

68-Er-159

Radionuclide Production Cross Section



65-Tb-154g
65-Tb-154m1
65-Tb-154m2