

Program EVALPLOT
(Version 2021-1)

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

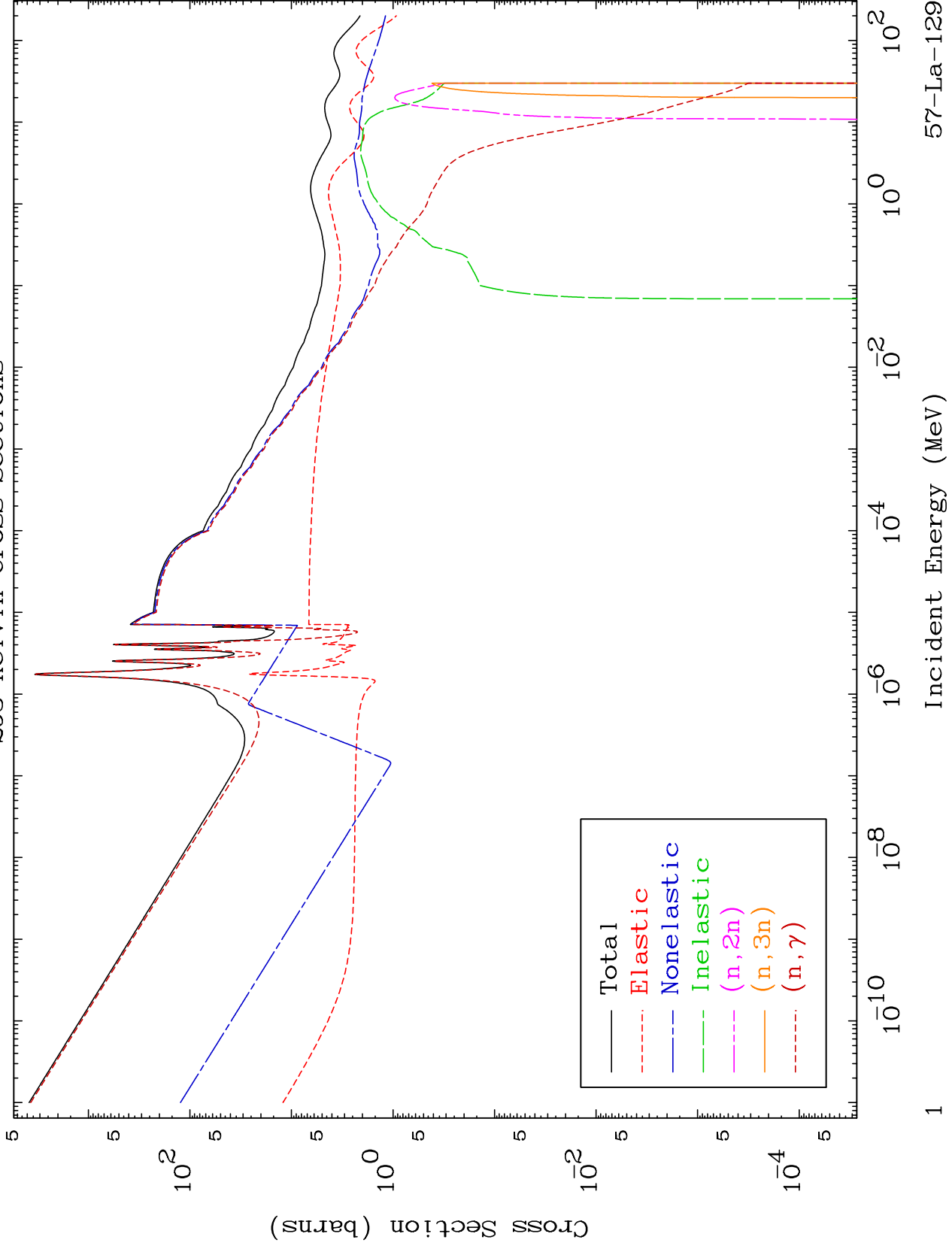
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5698

Neutron Major
293 Kelvin Cross Sections

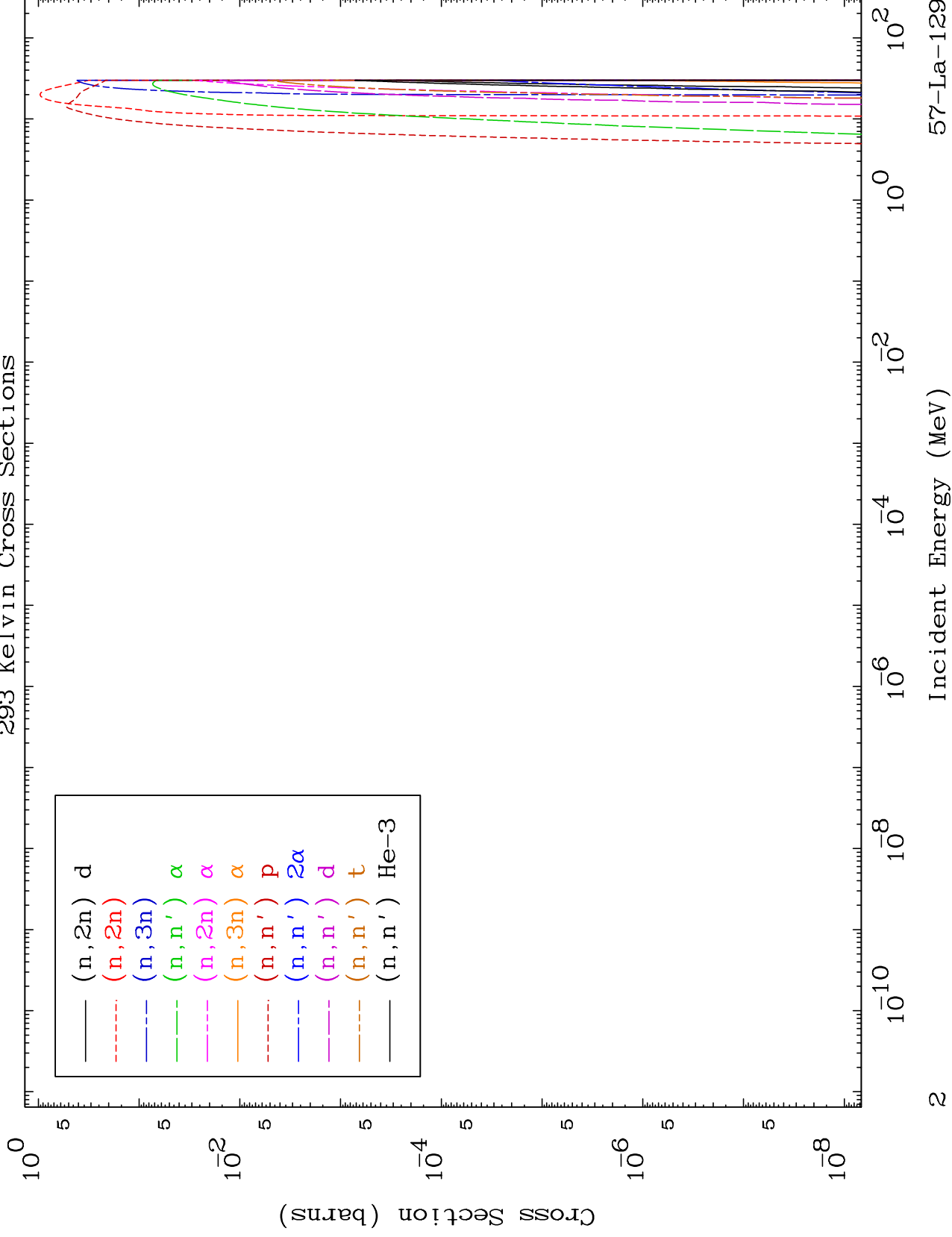
57-La-129

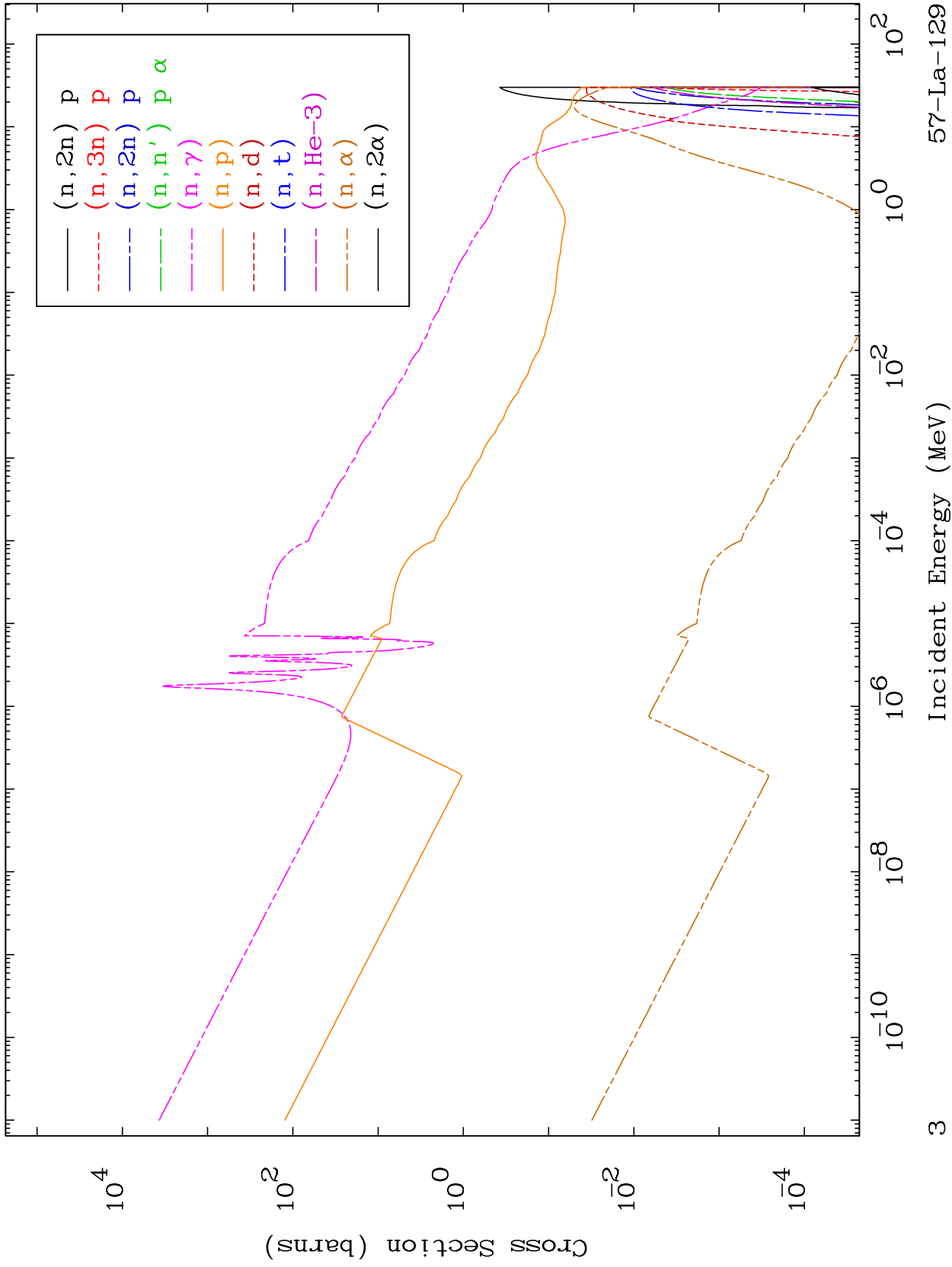


MAT 5698

Neutron Absorption
293 Kelvin Cross Sections

57-La-129

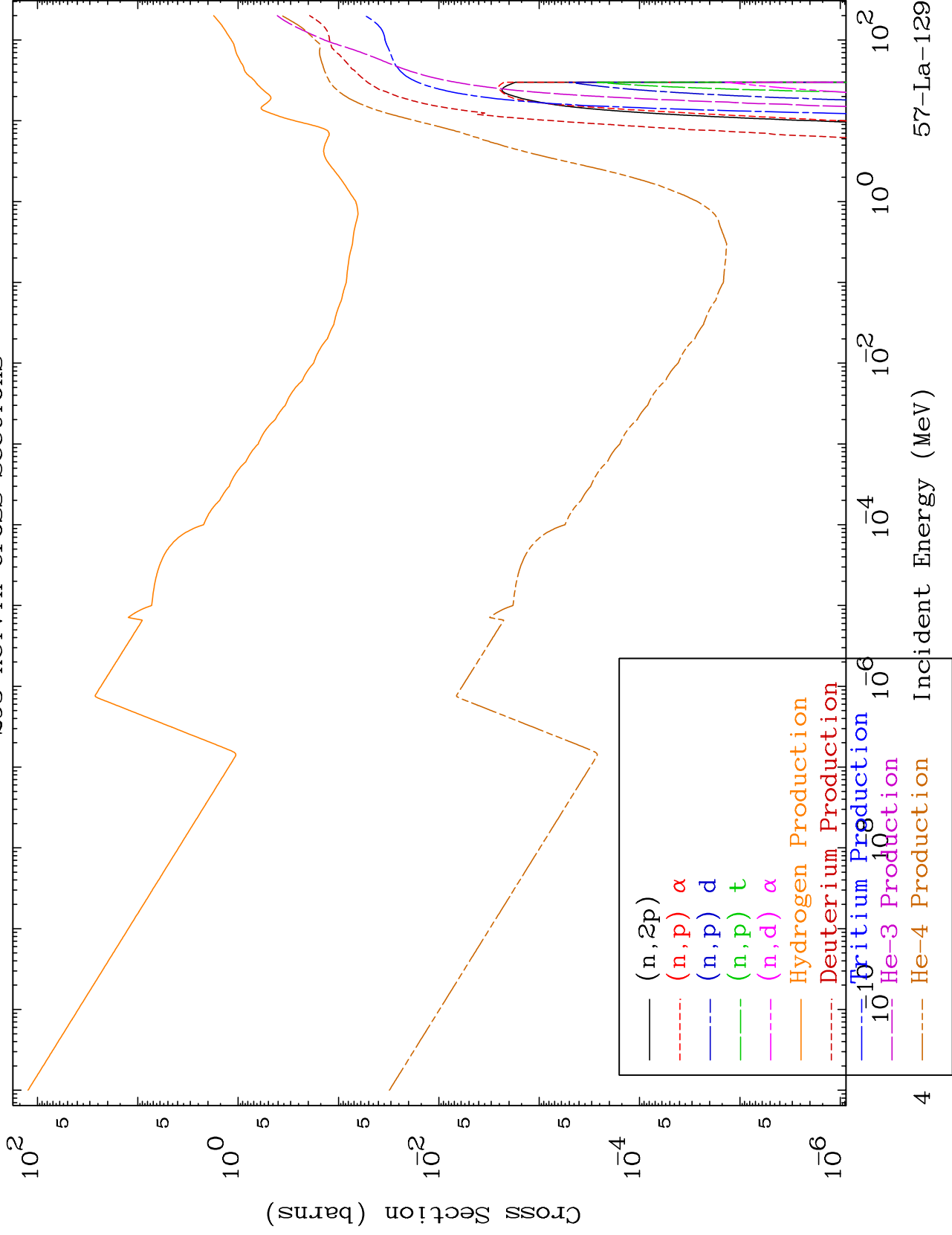




MAT 5698

Neutron Absorption
293 Kelvin Cross Sections

57-La-129



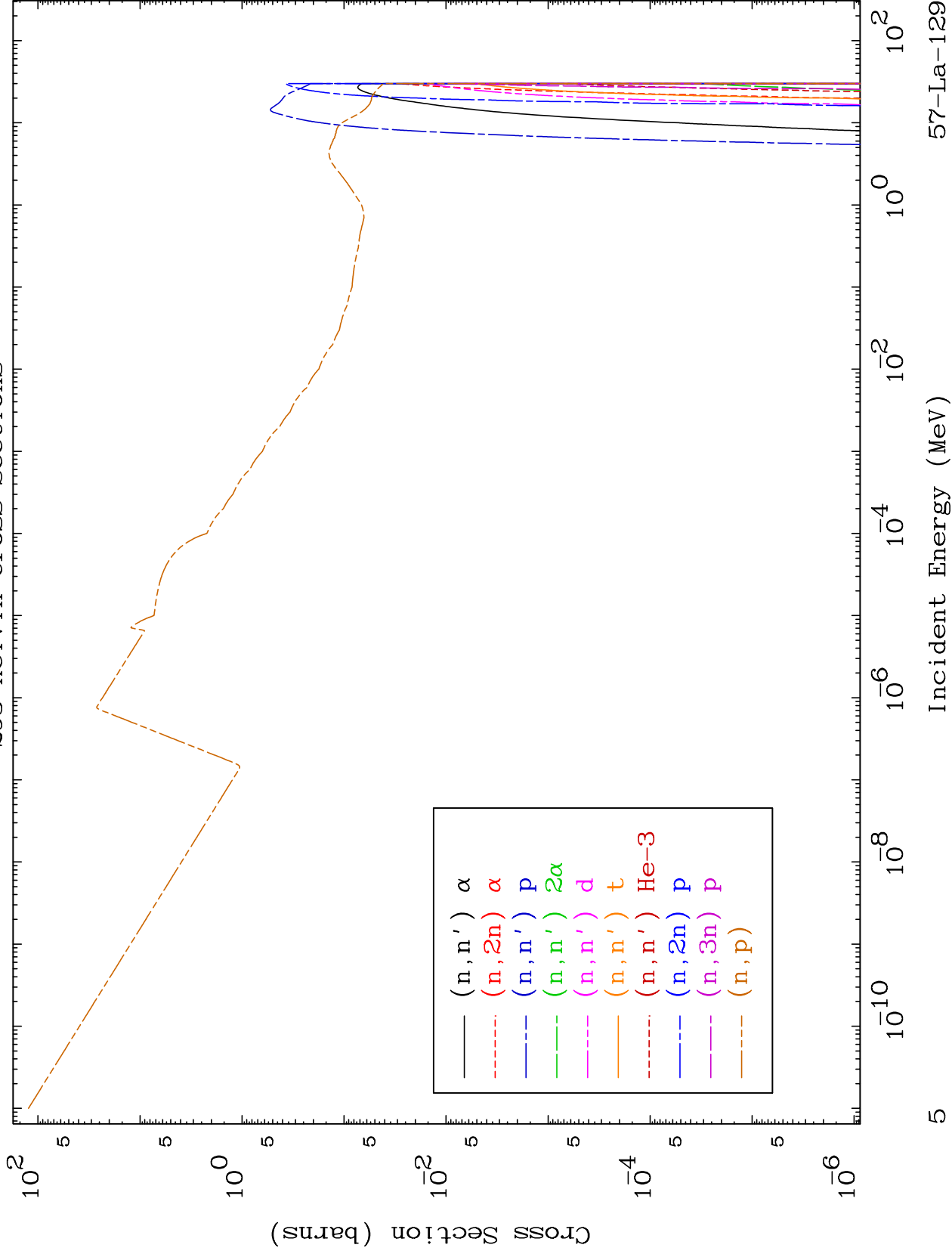
57-La-129

57-La-129

MAT 5698

Charged Particle
293 Kelvin Cross Sections

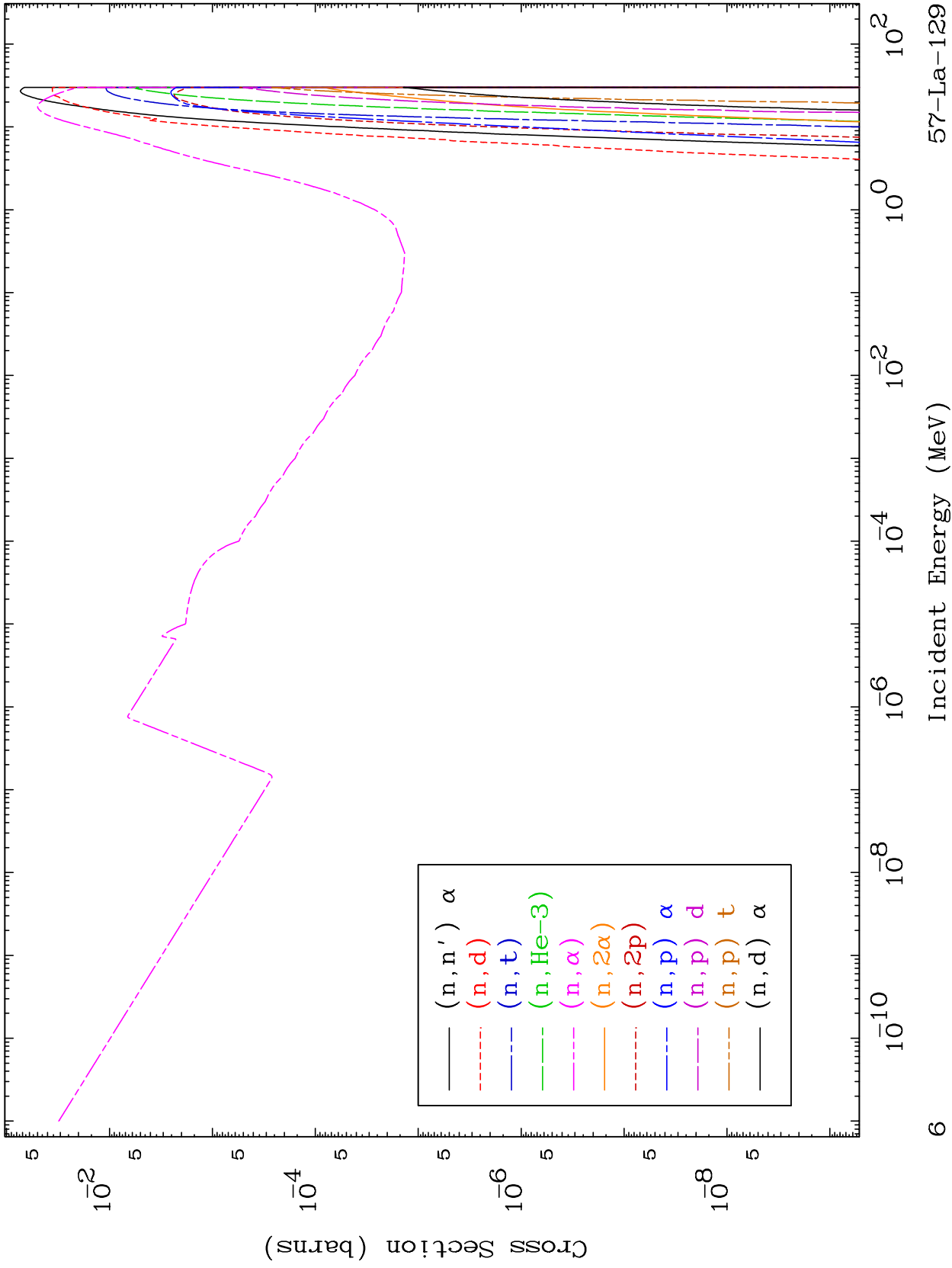
57-La-129



MAT 5698

Charged Particle
293 Kelvin Cross Sections

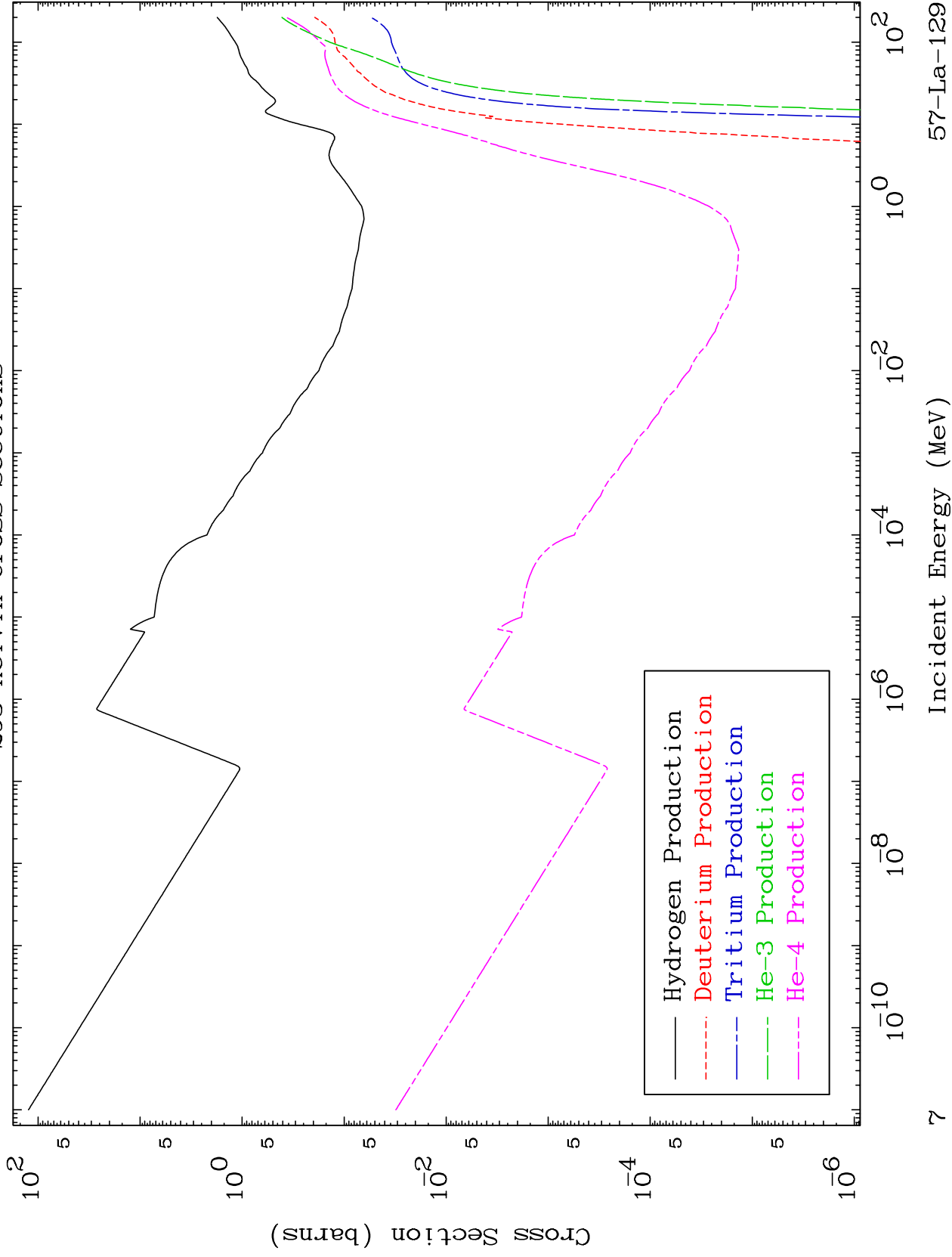
57-La-129



MAT 5698

Particle Production
293 Kelvin Cross Sections

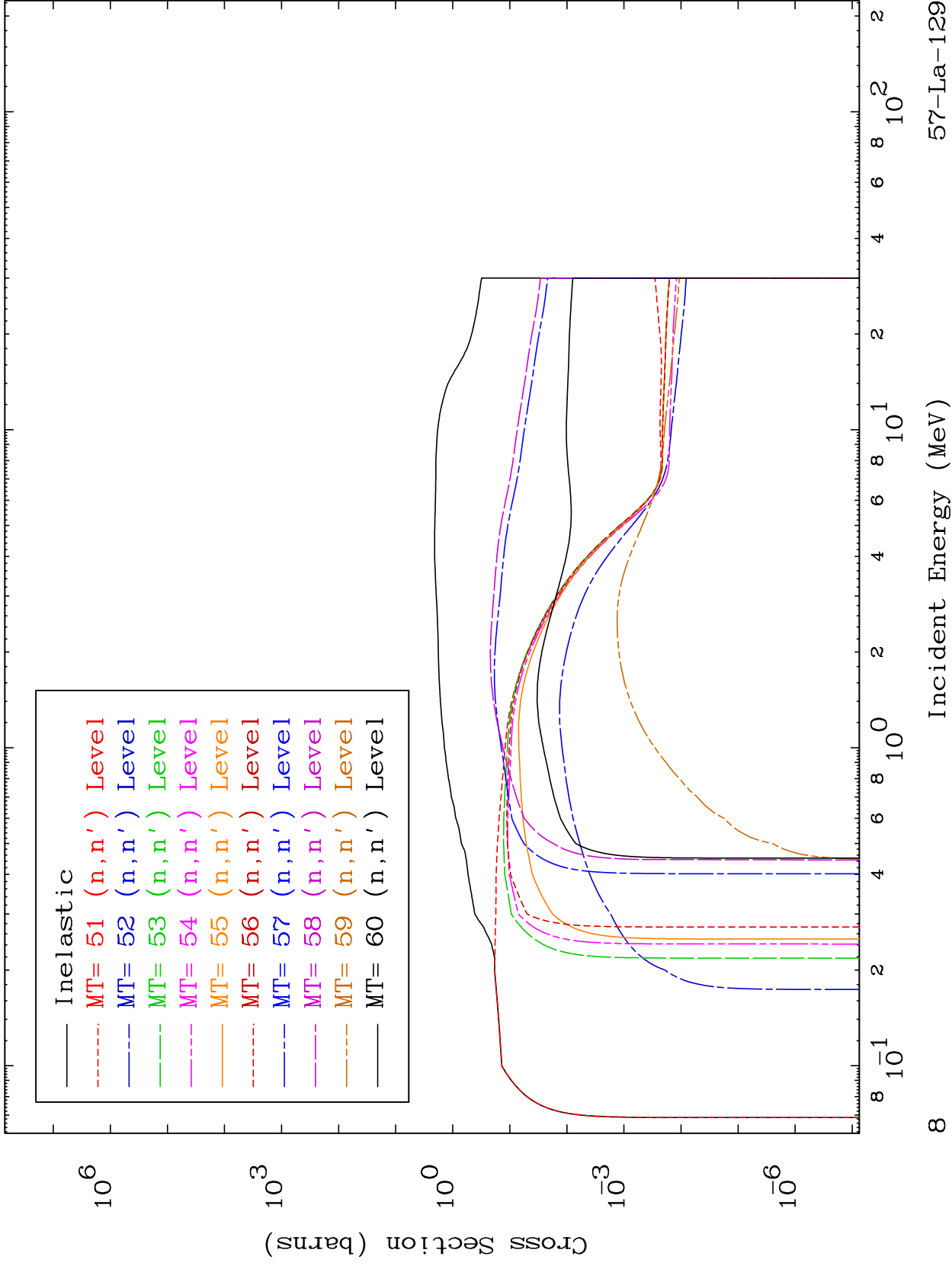
57-La-129



MAT 5698

(n,n') Levels
293 Kelvin Cross Sections

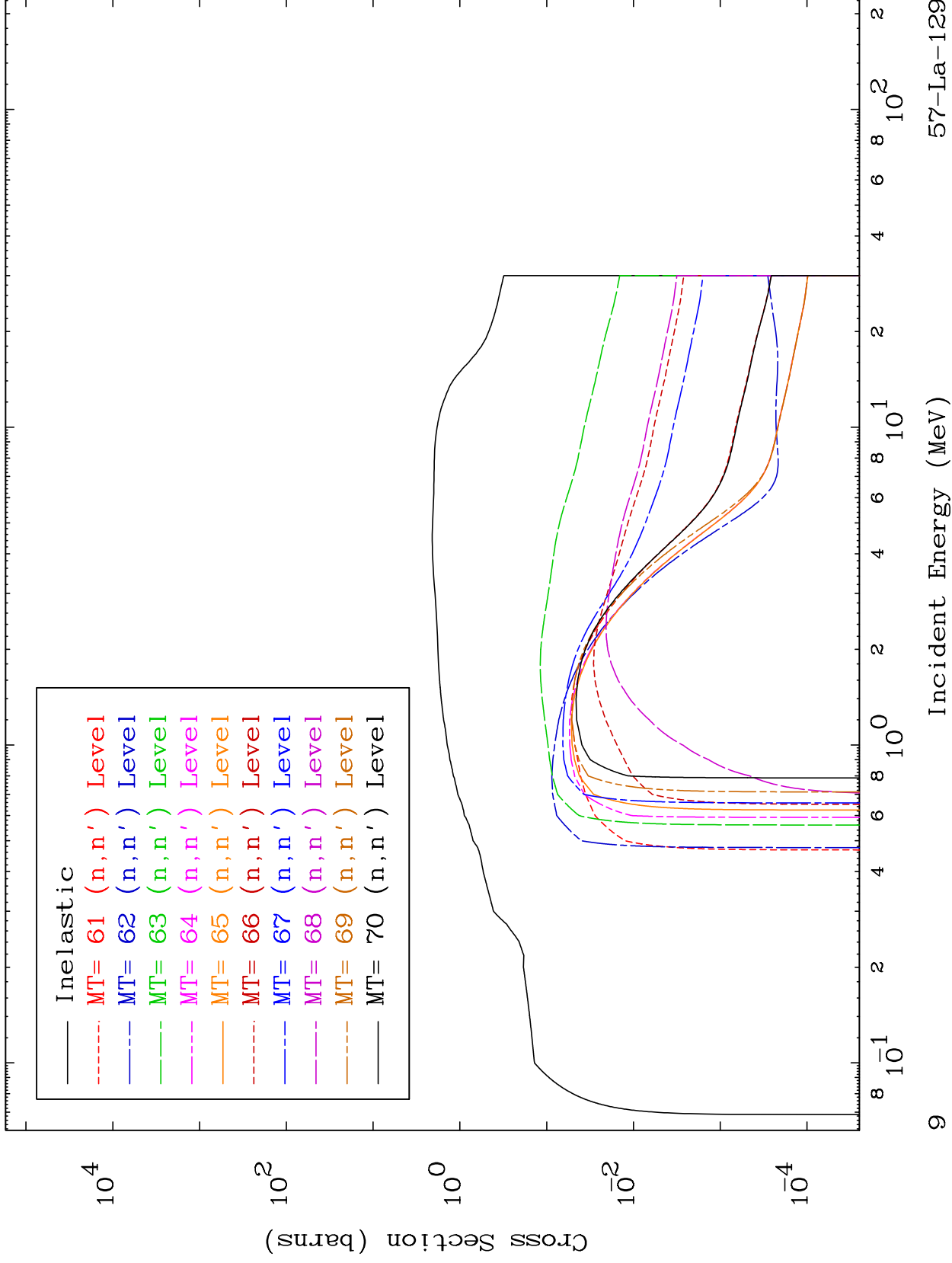
57-La-129



MAT 5698

(n,n') Levels
293 Kelvin Cross Sections

57-La-129



MAT 5698

(n,n') Levels
293 Kelvin Cross Sections

57-La-129



57-La-129

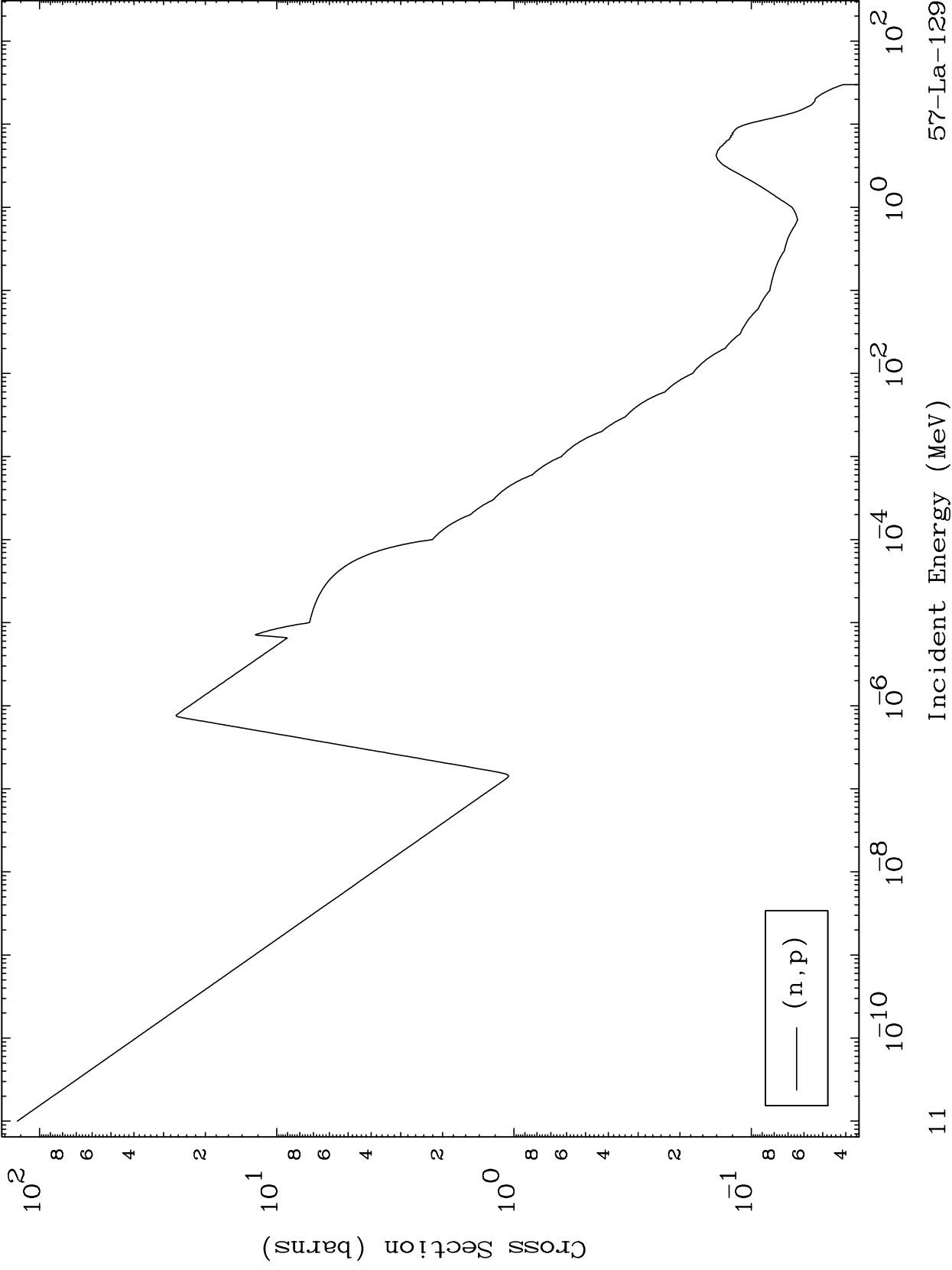
Incident Energy (MeV)

10

MAT 5698

(n,p) Levels
293 Kelvin Cross Sections

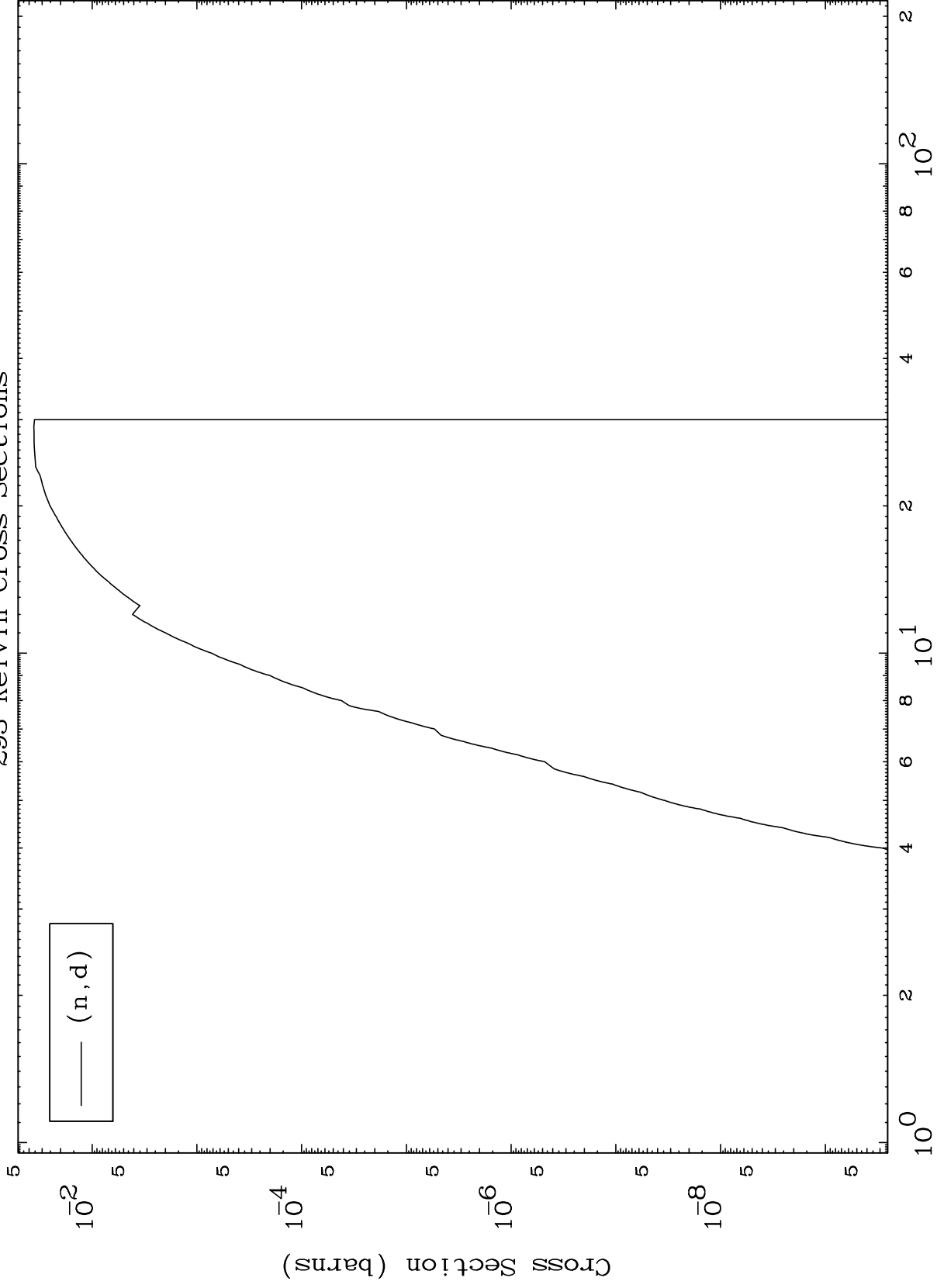
57-La-129



MAT 5698

(n,d) Levels
293 Kelvin Cross Sections

57-La-129



12

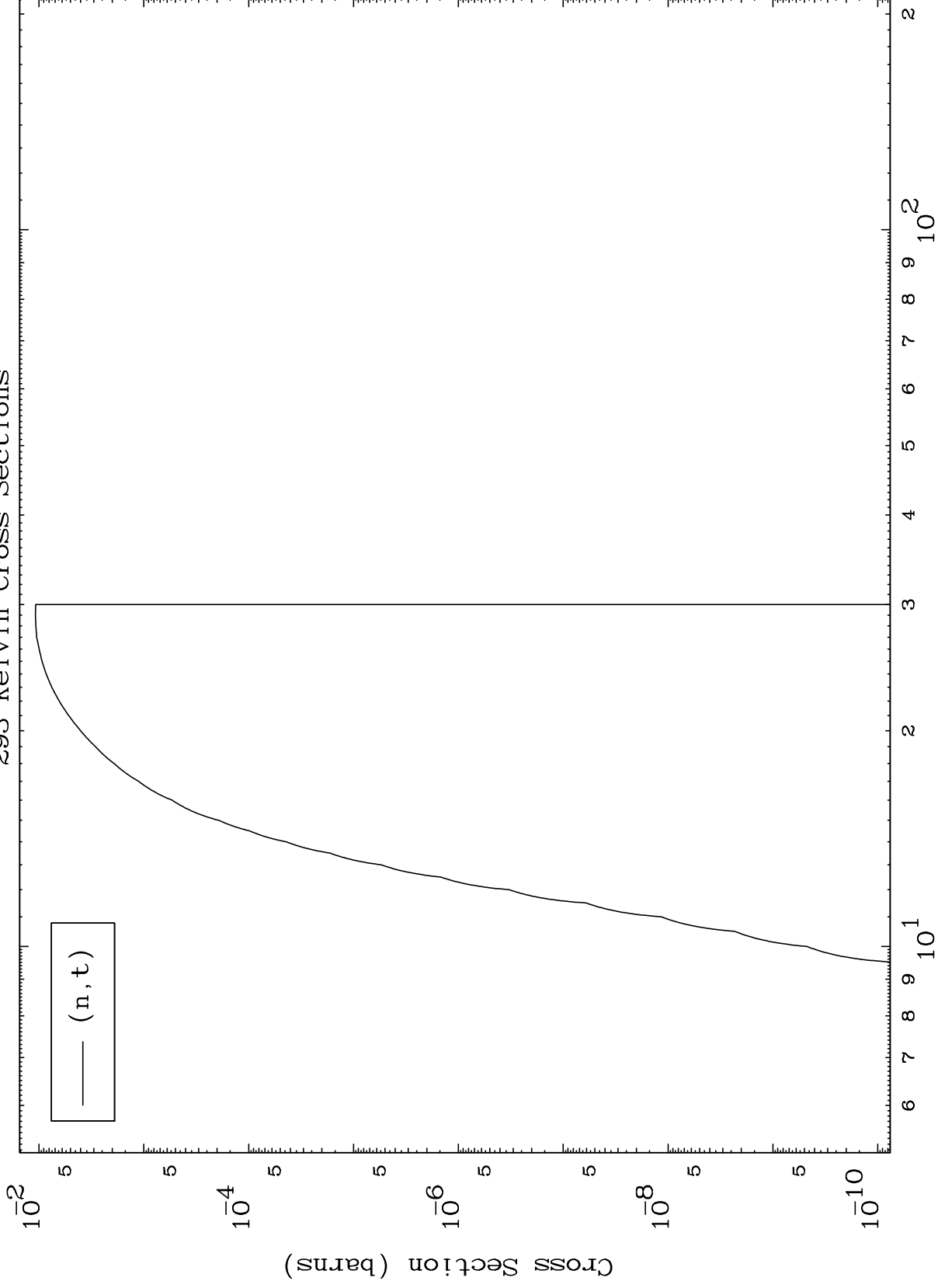
Incident Energy (MeV)

57-La-129

MAT 5698

(n,t) Levels
293 Kelvin Cross Sections

57-La-129



13

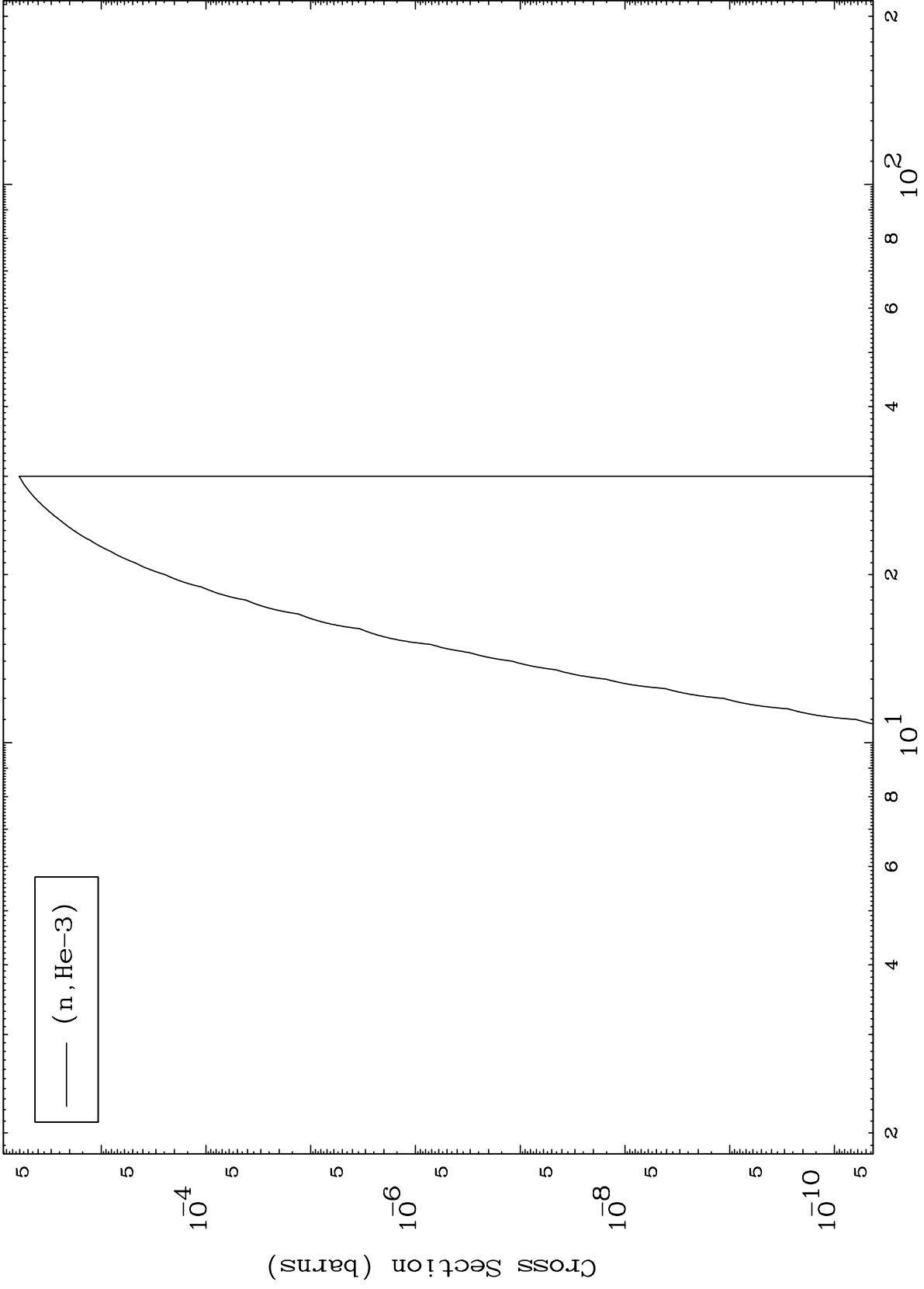
57-La-129

57-La-129

MAT 5698

(n,He3) Levels
293 Kelvin Cross Sections

57-La-129



14

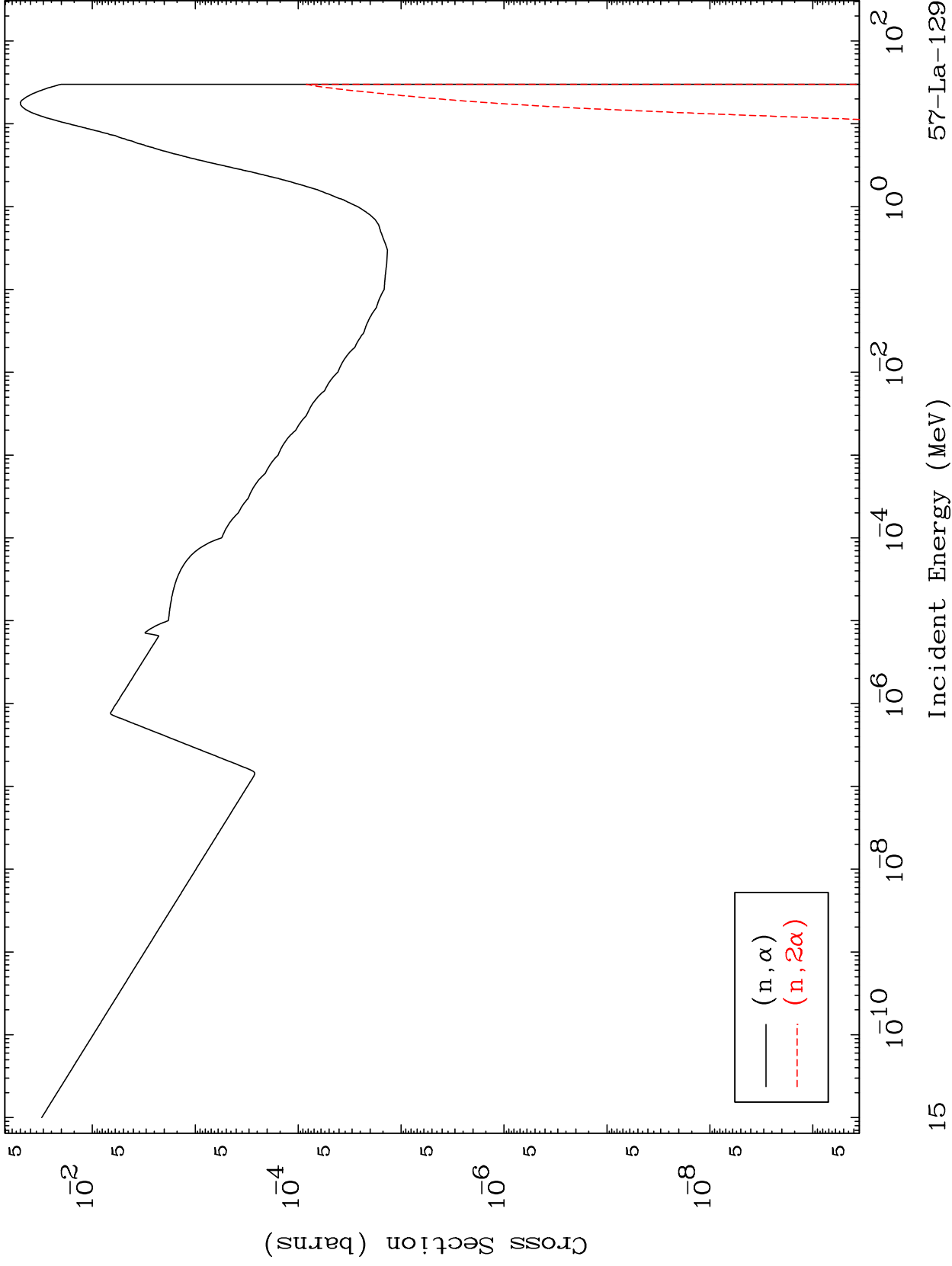
Incident Energy (MeV)

57-La-129

MAT 5698

(n, α) Levels
293 Kelvin Cross Sections

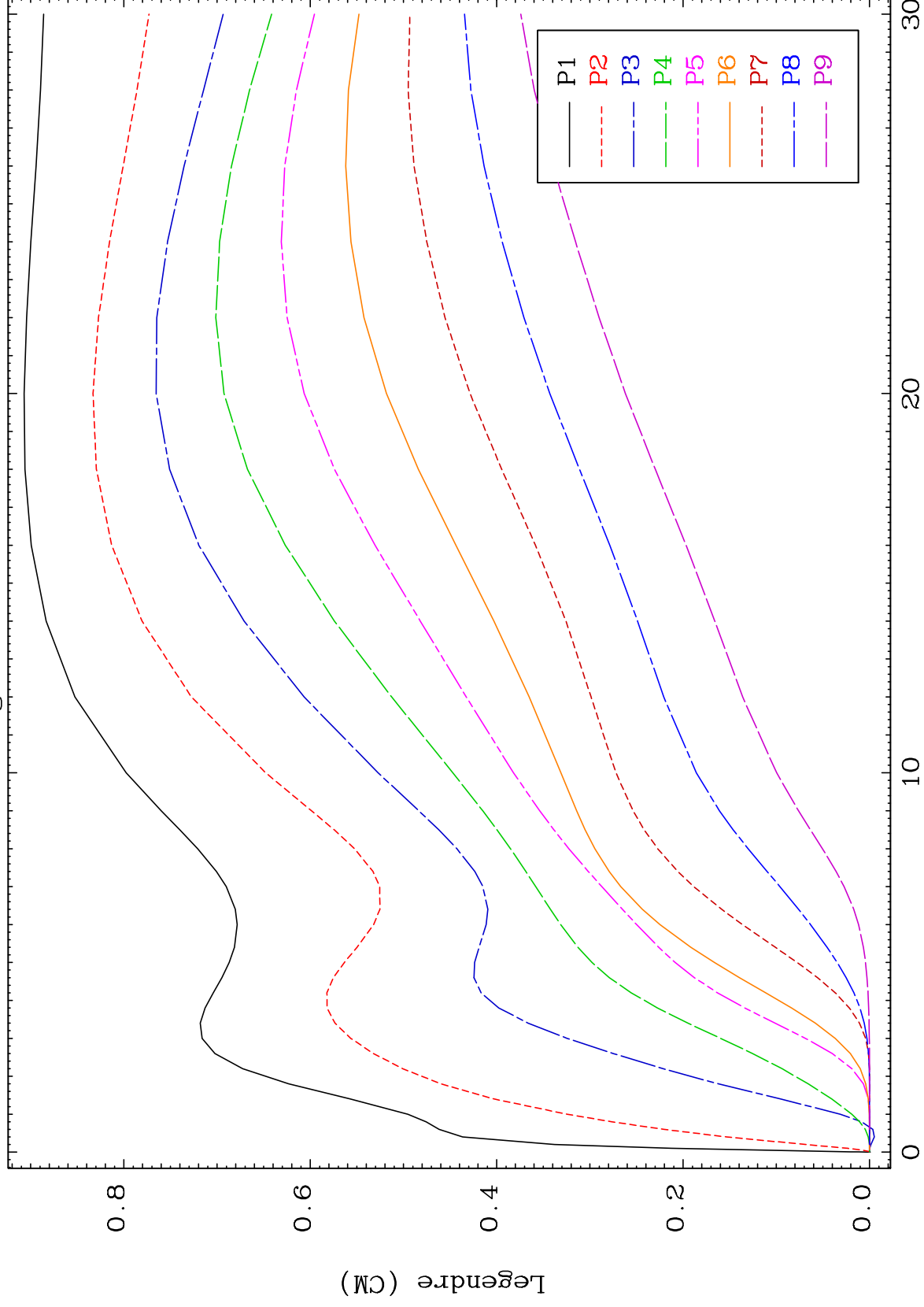
57-La-129



MAT 5698

Elastic Legendre Coefficients

57-La-129



16

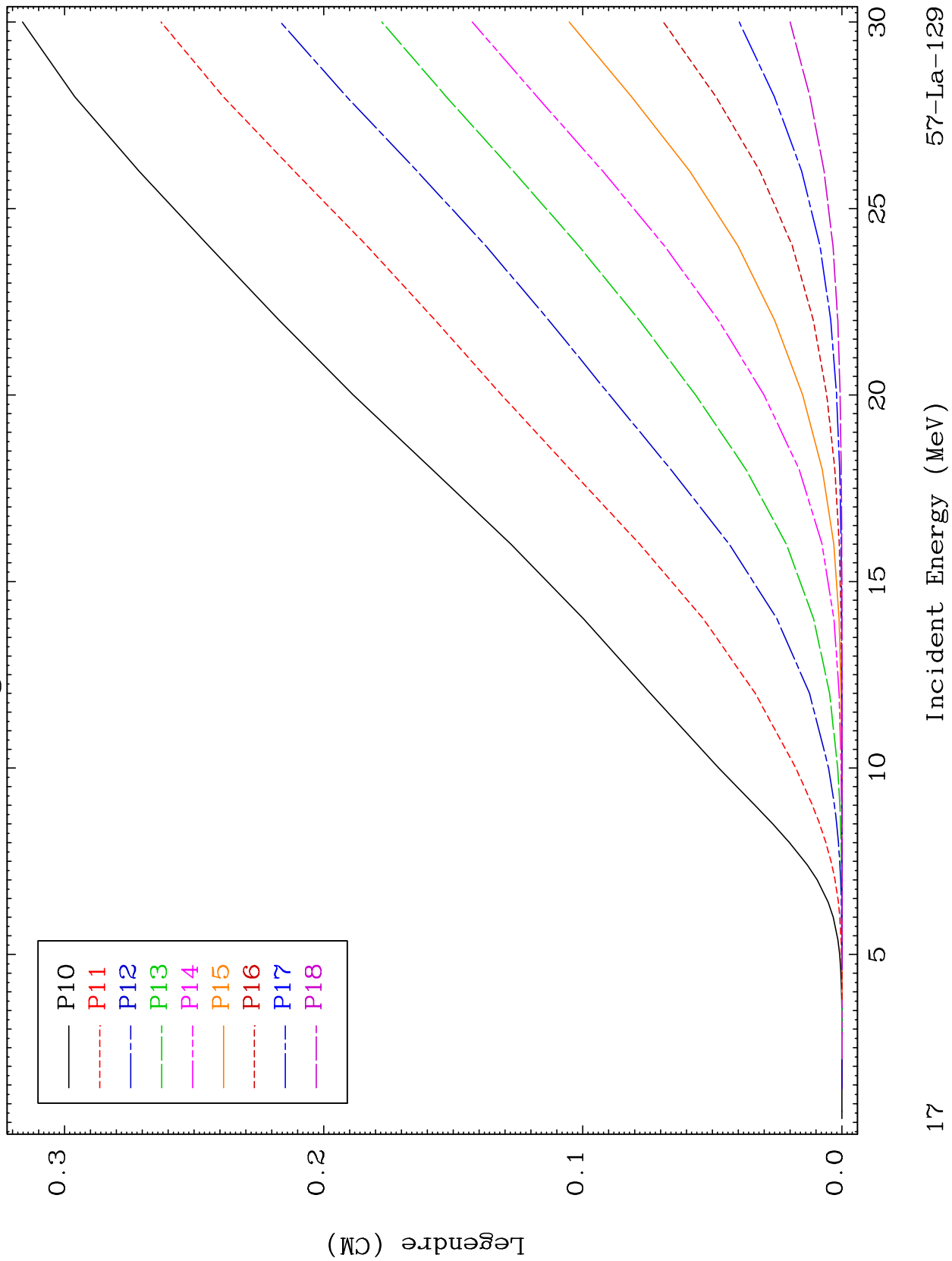
Incident Energy (MeV)

57-La-129

MAT 5698

Elastic Legendre Coefficients

57-La-129



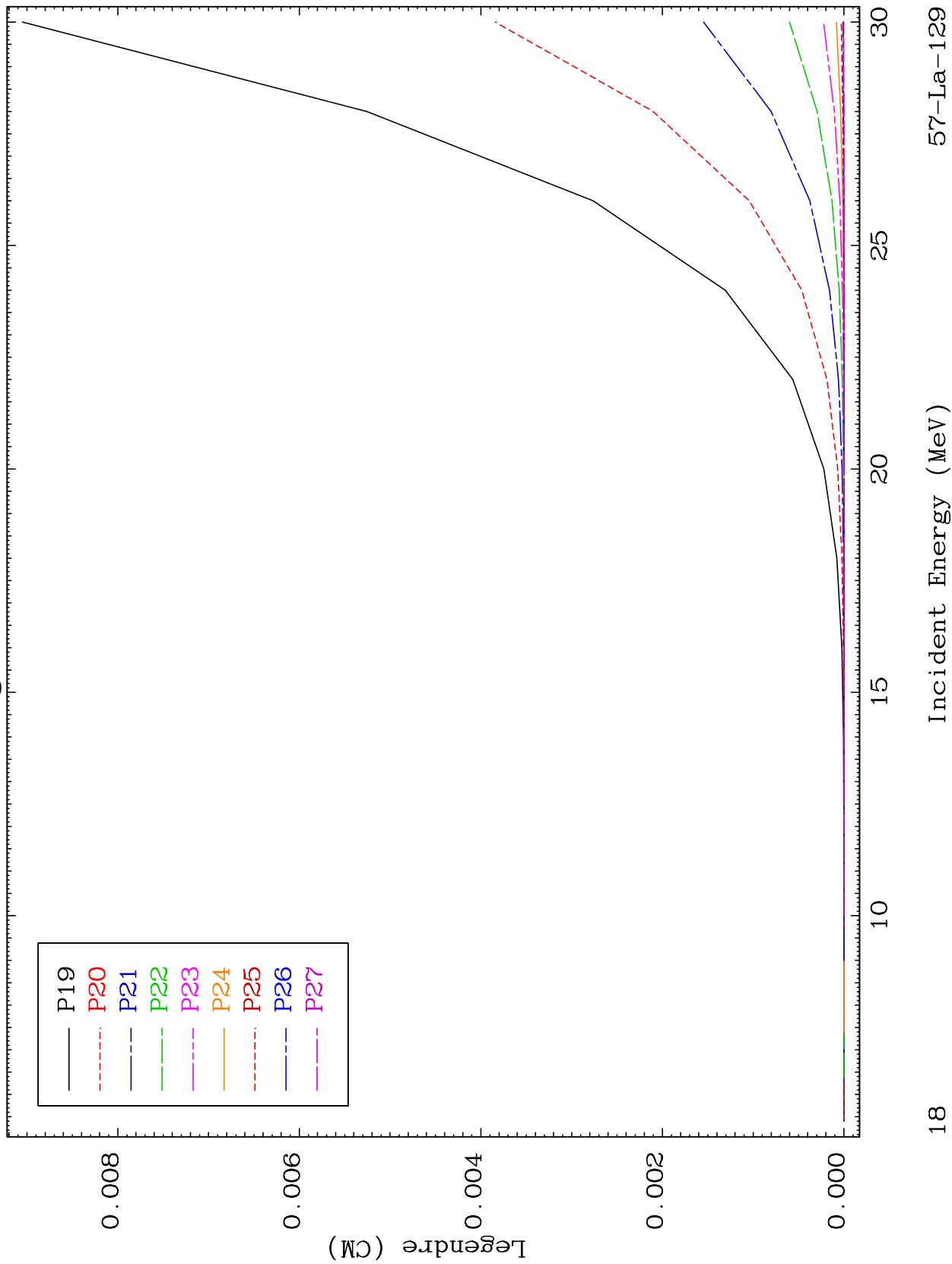
17

57-La-129

MAT 5698

Elastic Legendre Coefficients

57-La-129



18

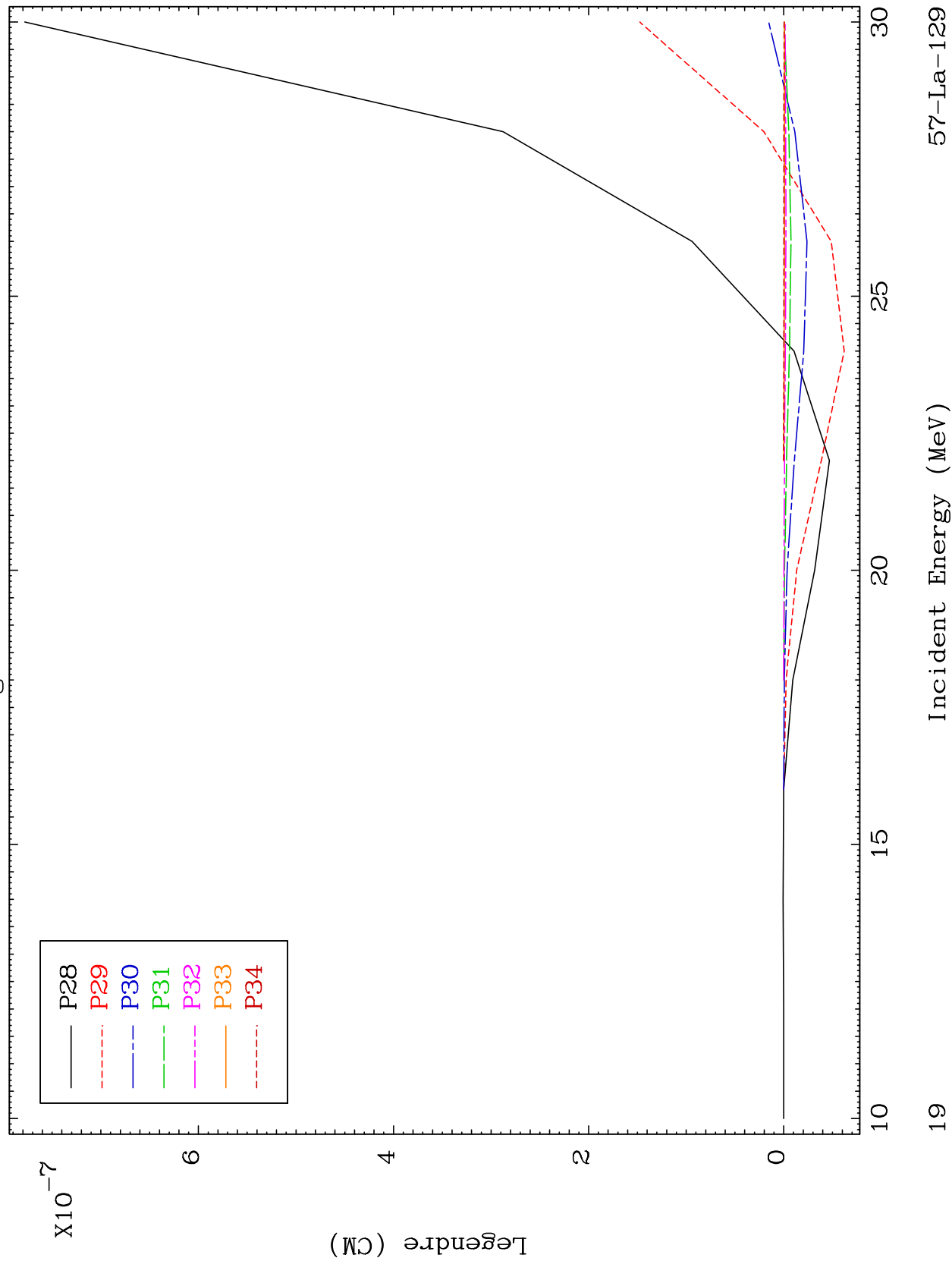
Incident Energy (MeV)

57-La-129

MAT 5698

Elastic Legendre Coefficients

57-La-129



19

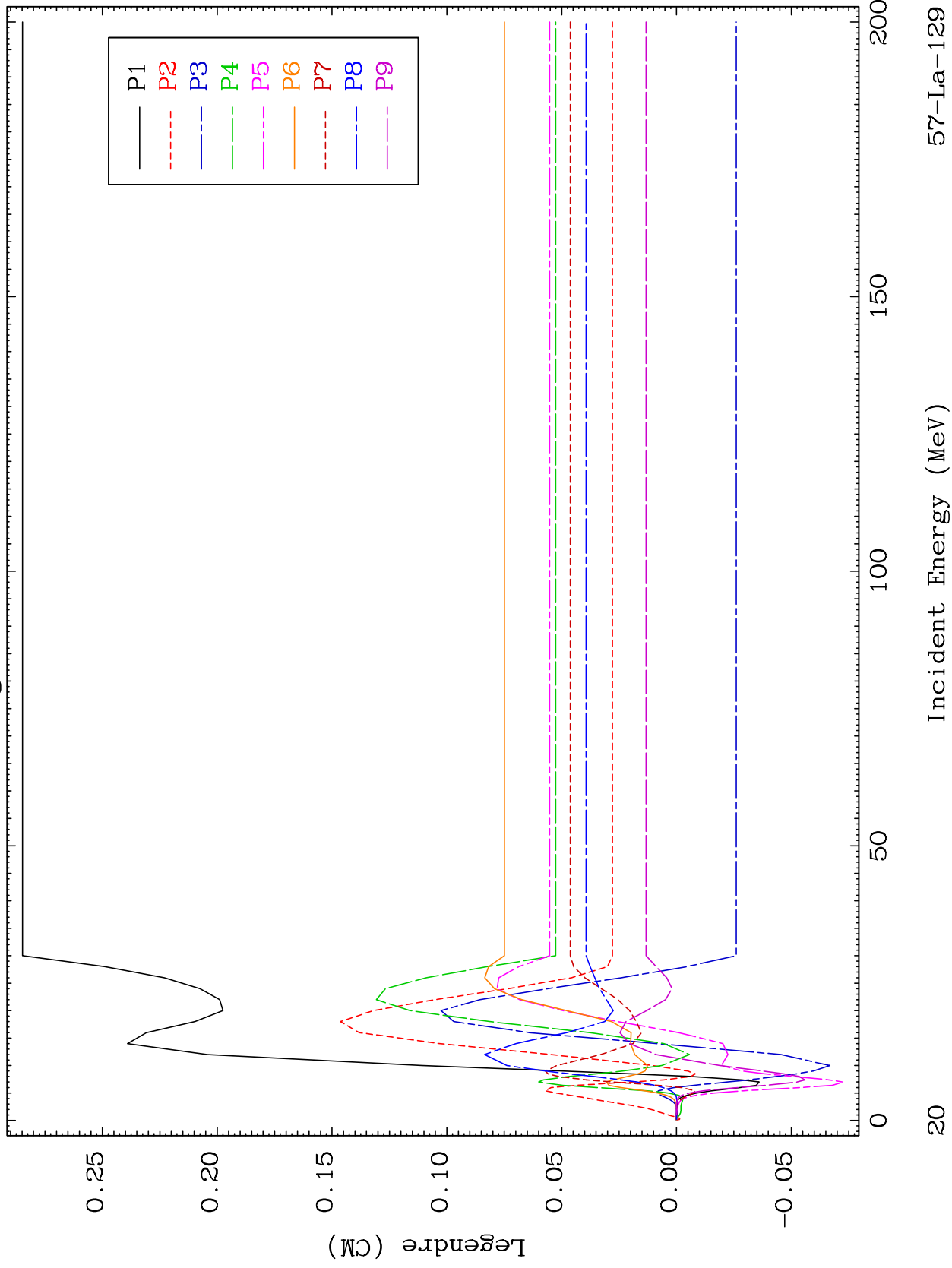
Incident Energy (MeV)

57-La-129

MAT 5698

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

57-La-129



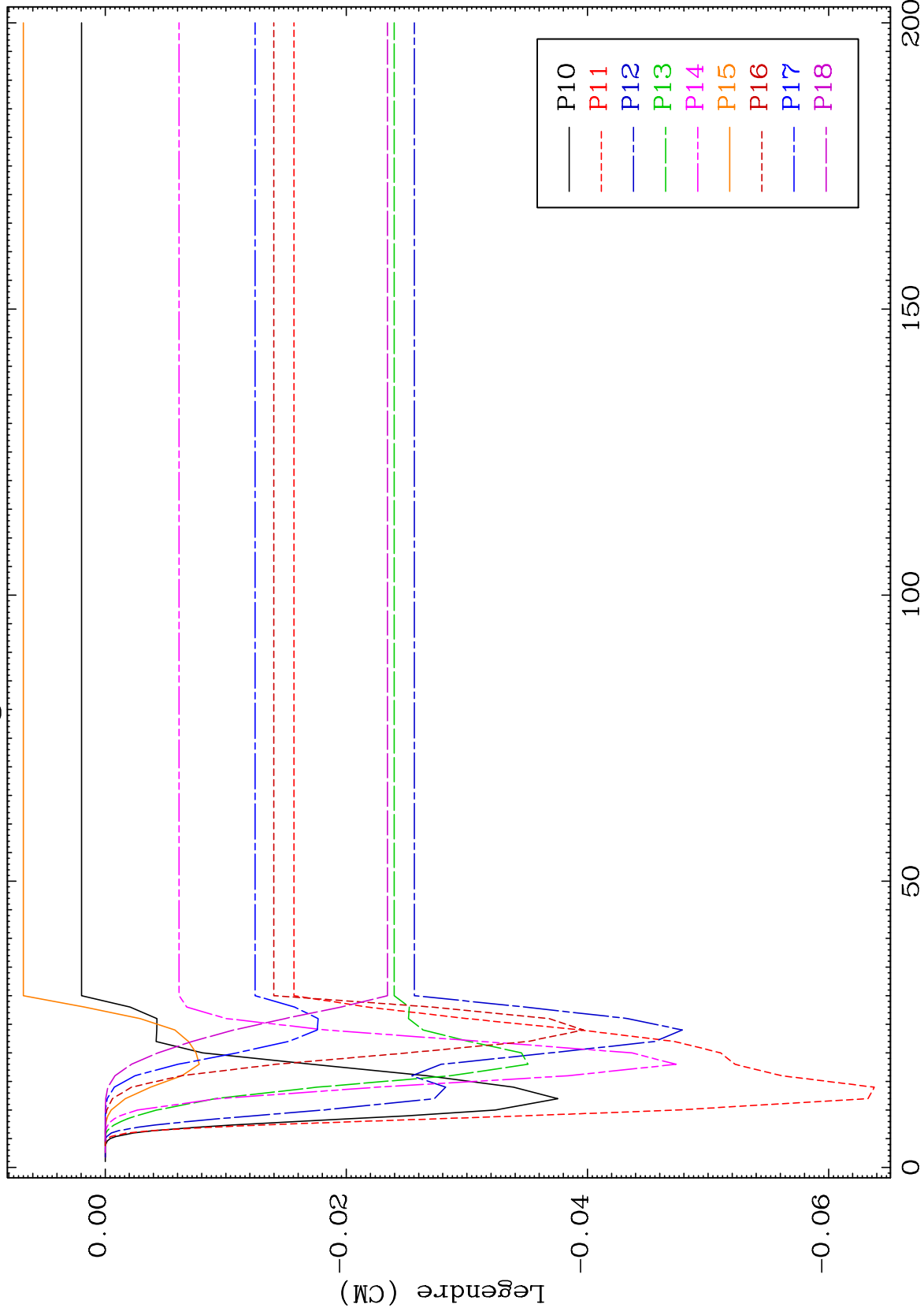
57-La-129

Incident Energy (MeV)

MAT 5698

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

57-La-129



21

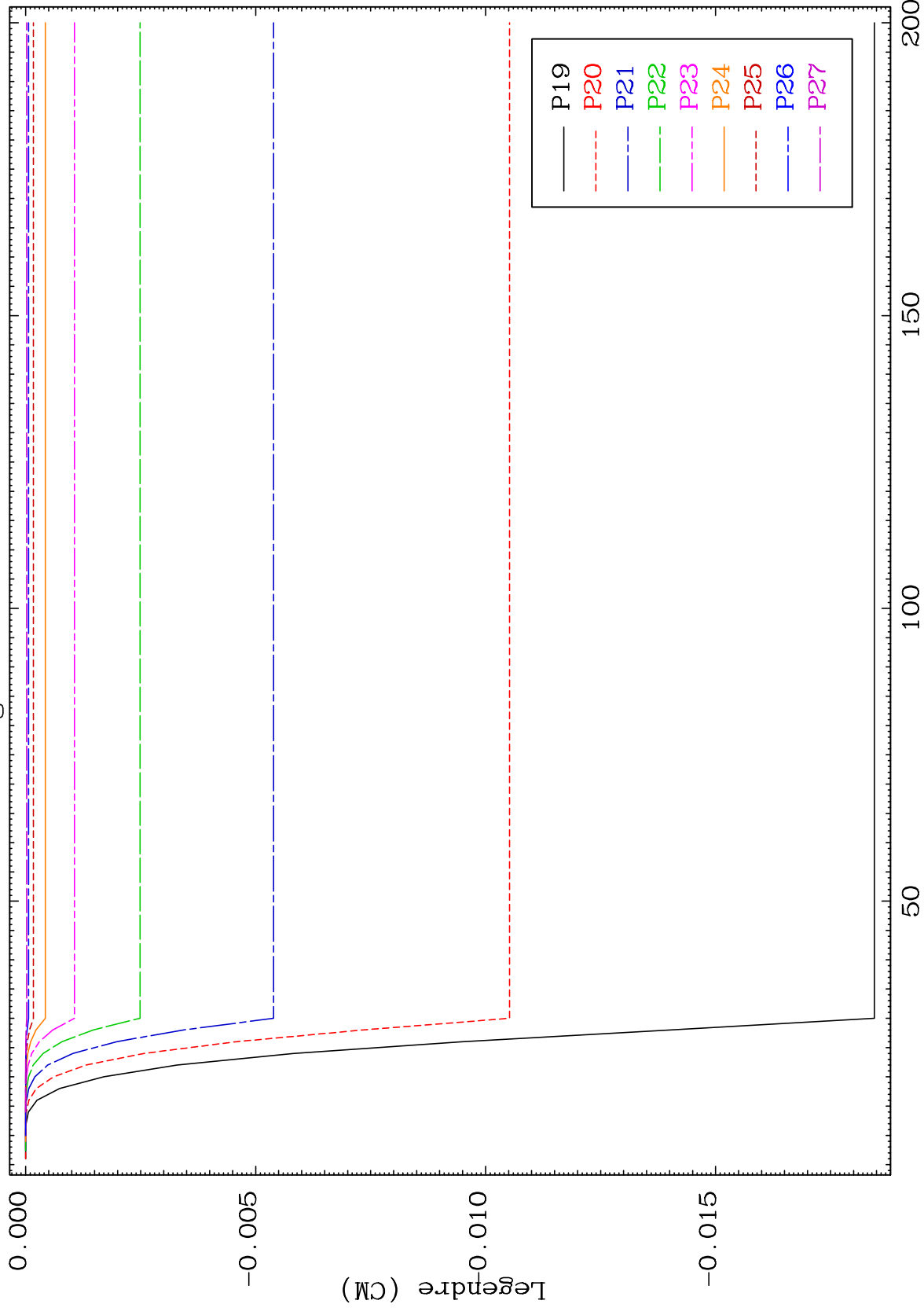
Incident Energy (MeV)

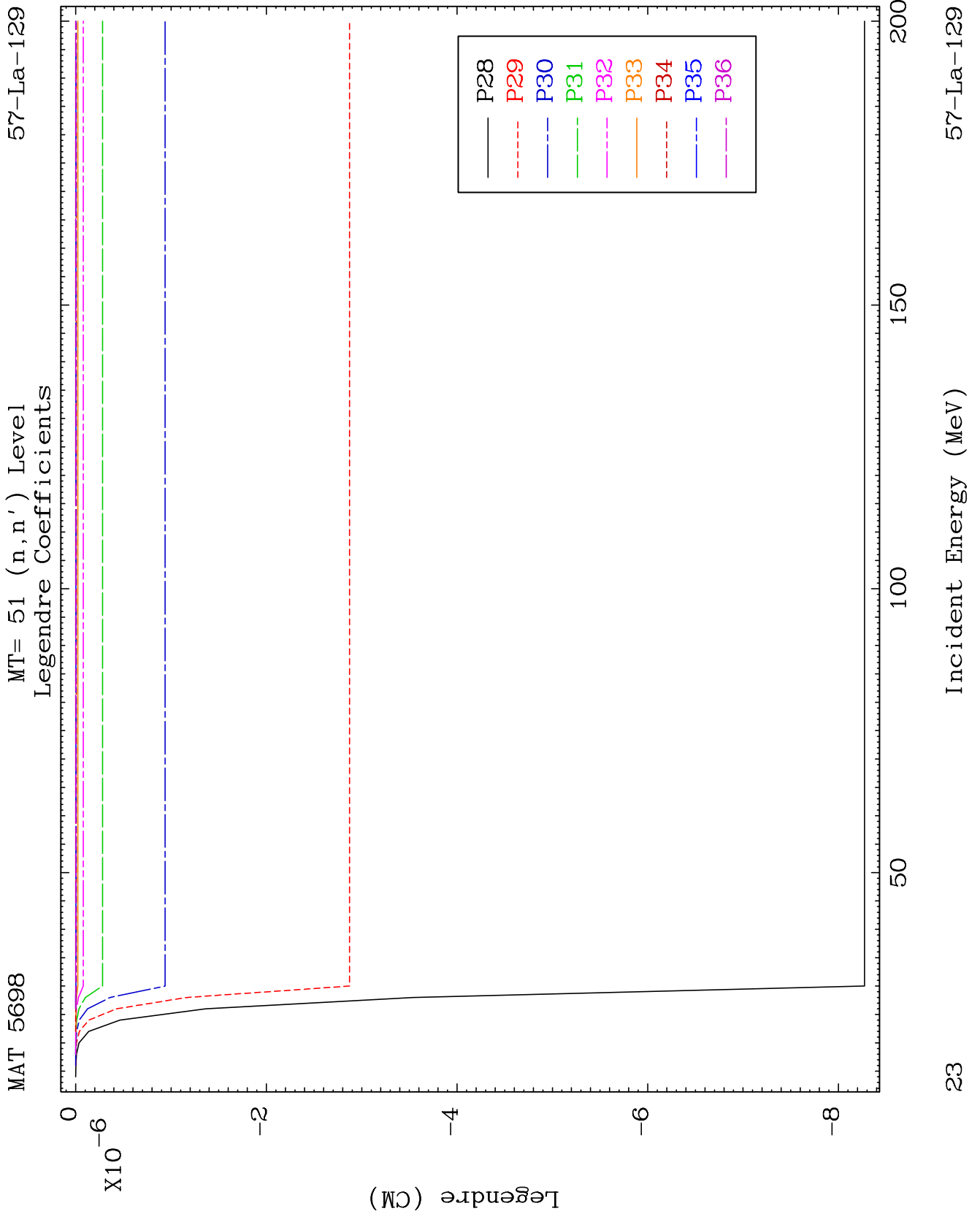
57-La-129

MAT 5698

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

57-La-129

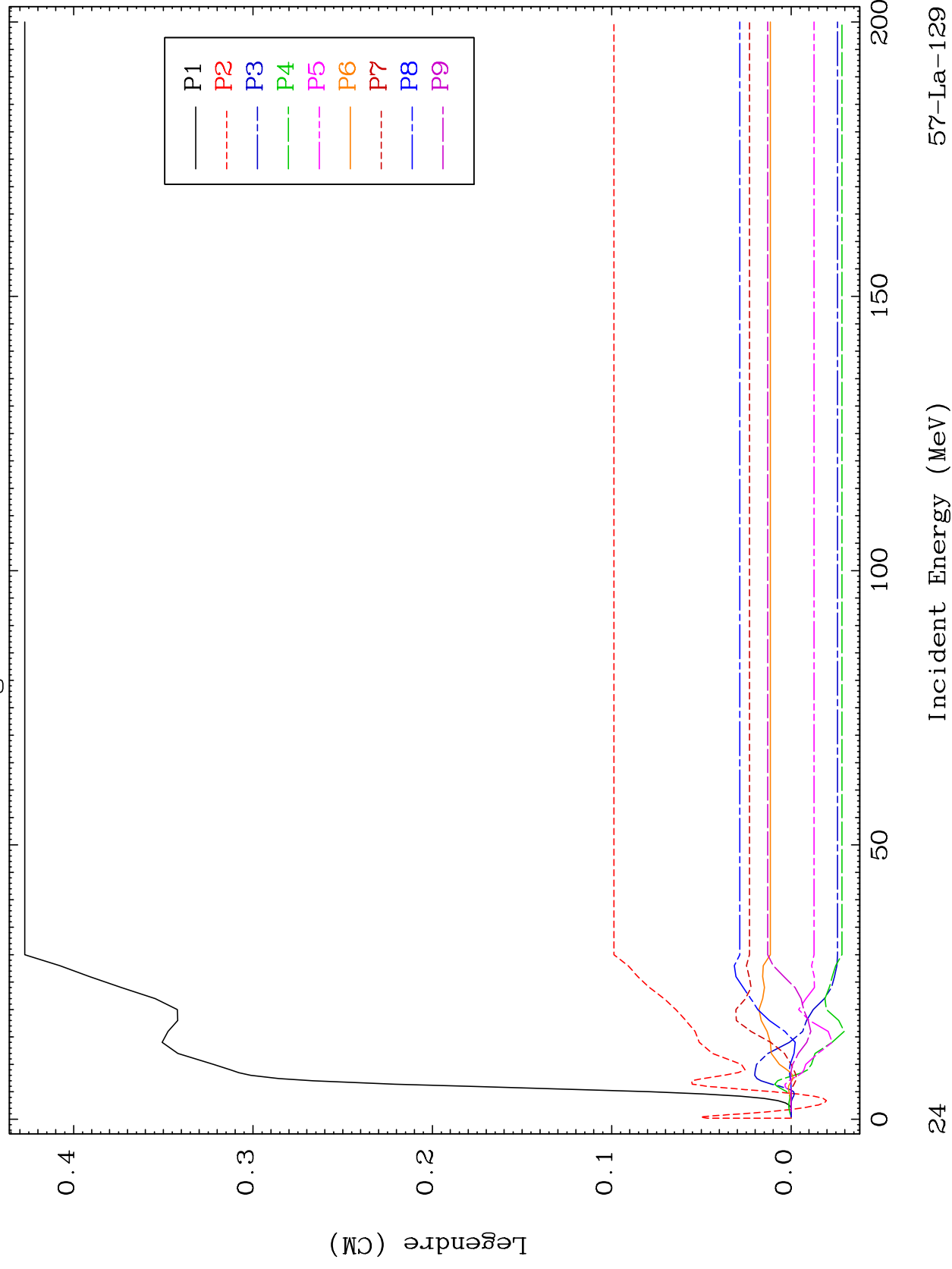




MAT 5698

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

57-La-129

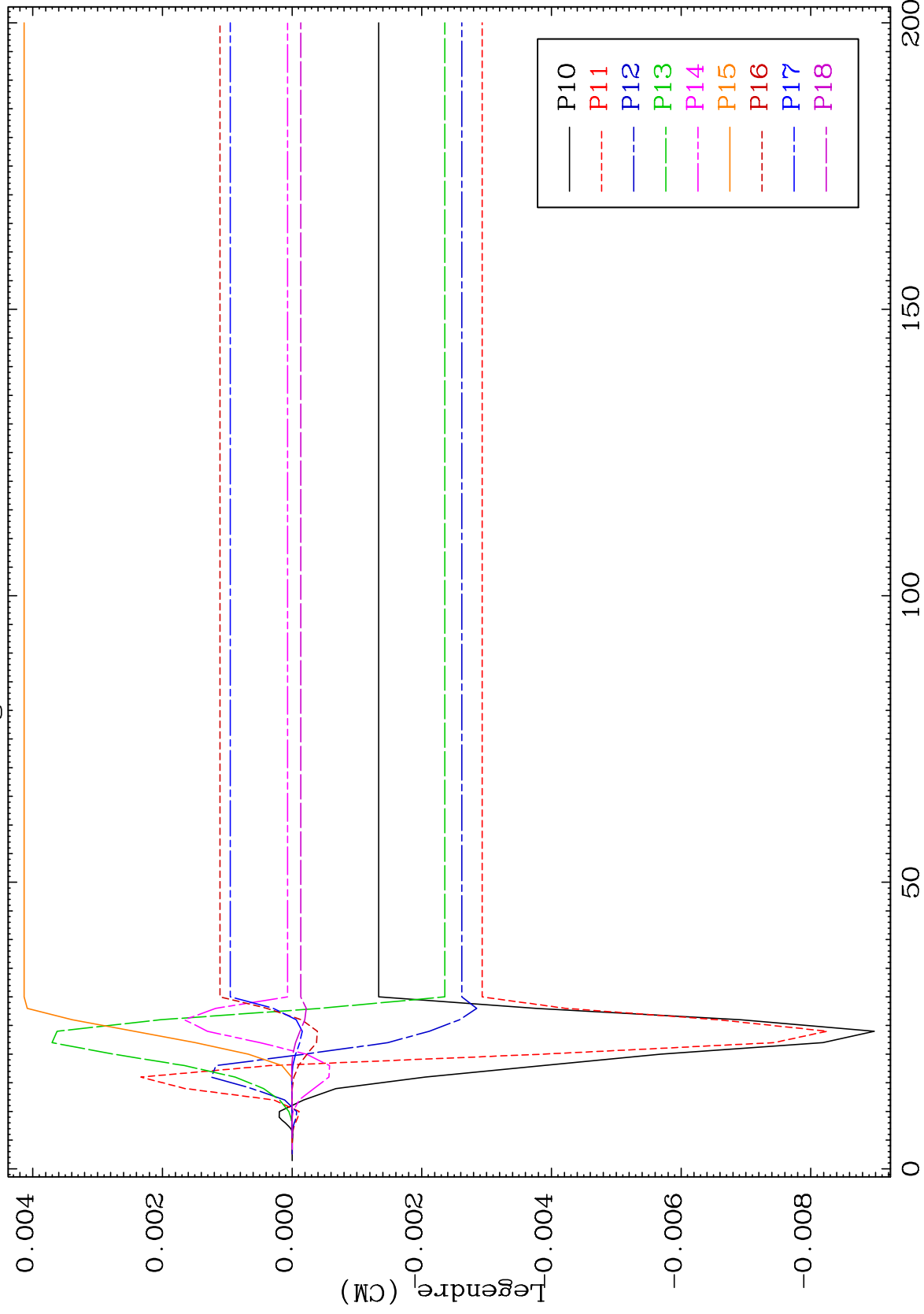


24

MAT 5698

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

57-La-129



57-La-129

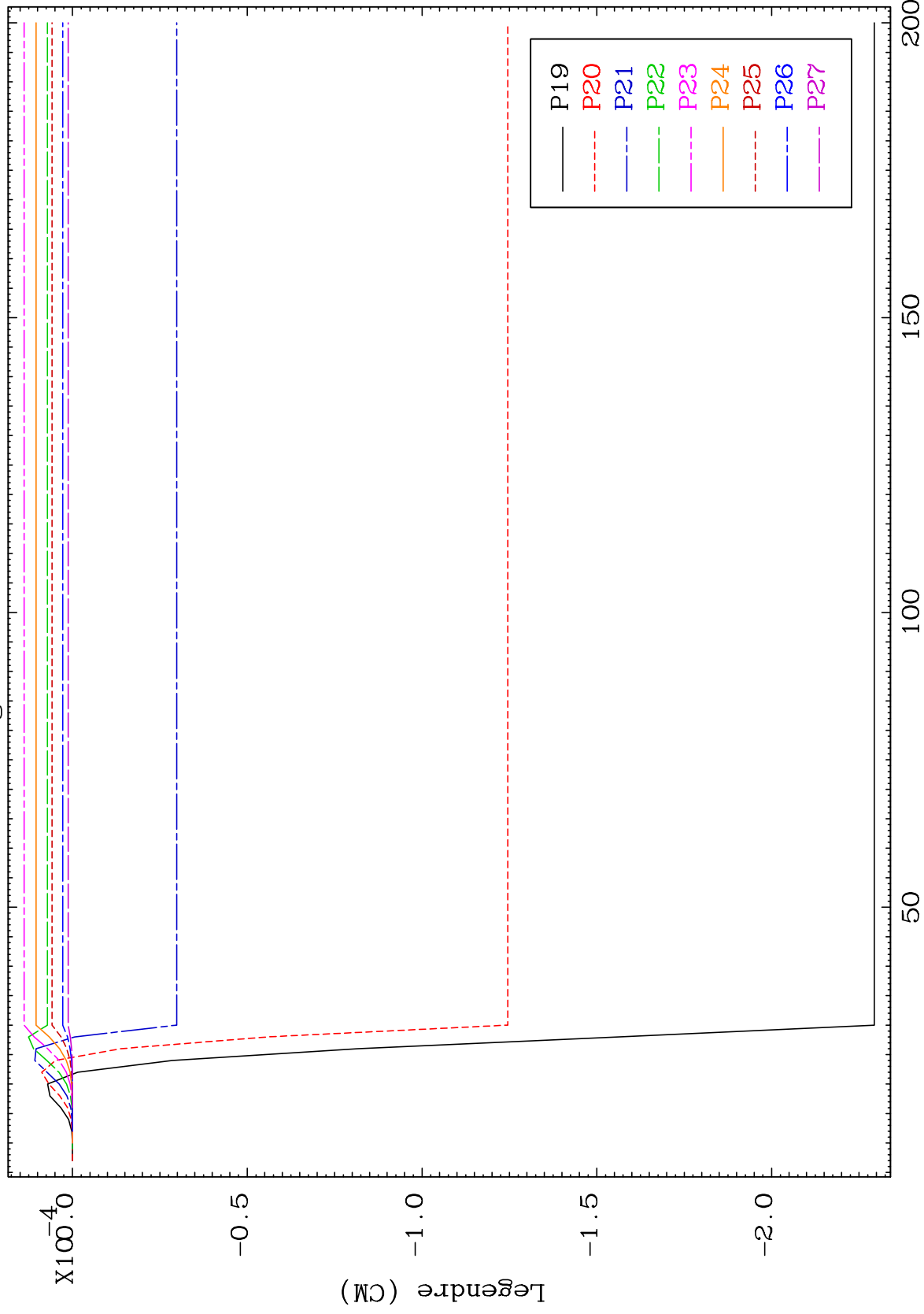
Incident Energy (MeV)

25

MAT 5698

57-La-129

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



26

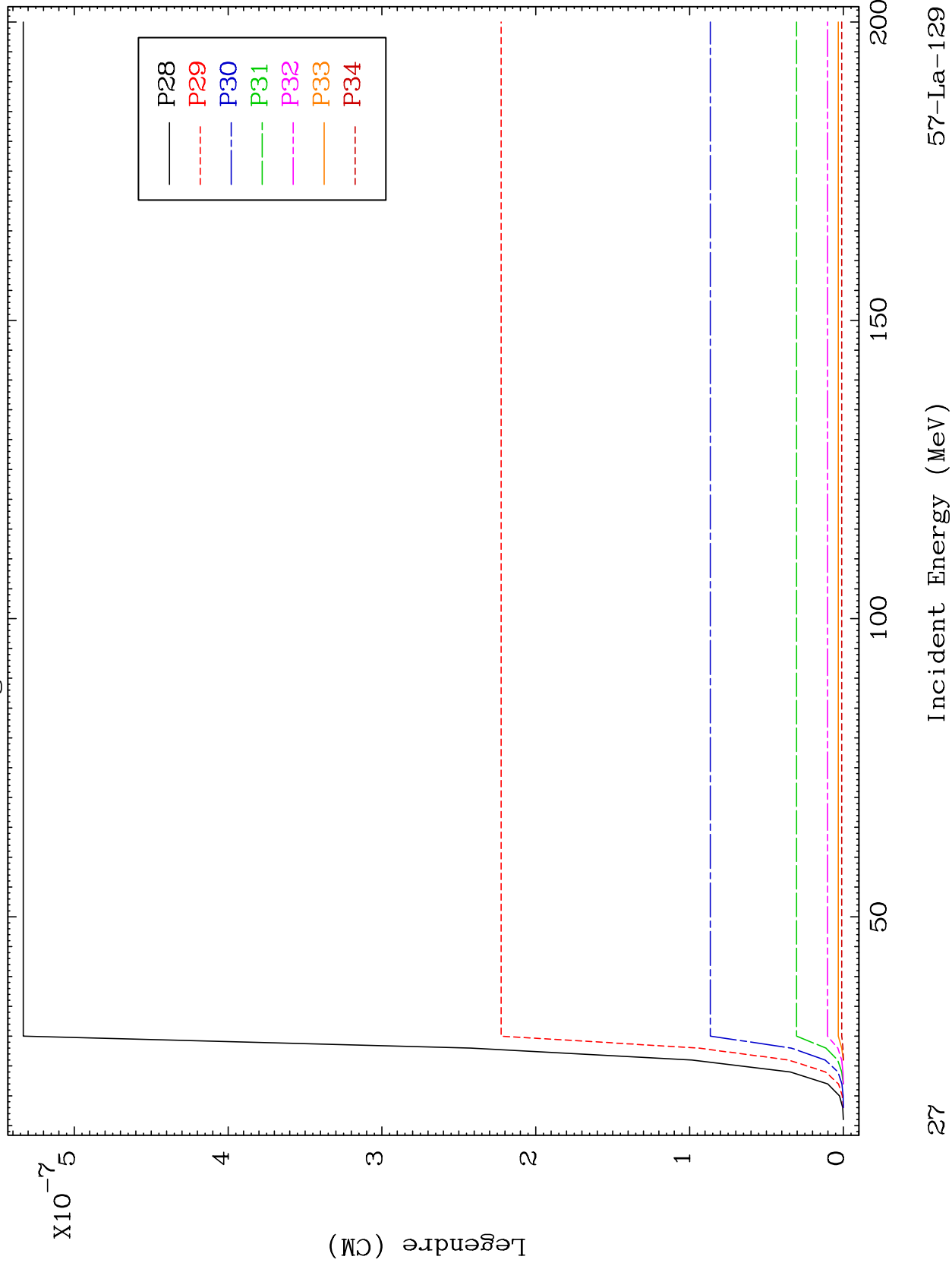
Incident Energy (MeV)

57-La-129

MAT 5698

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

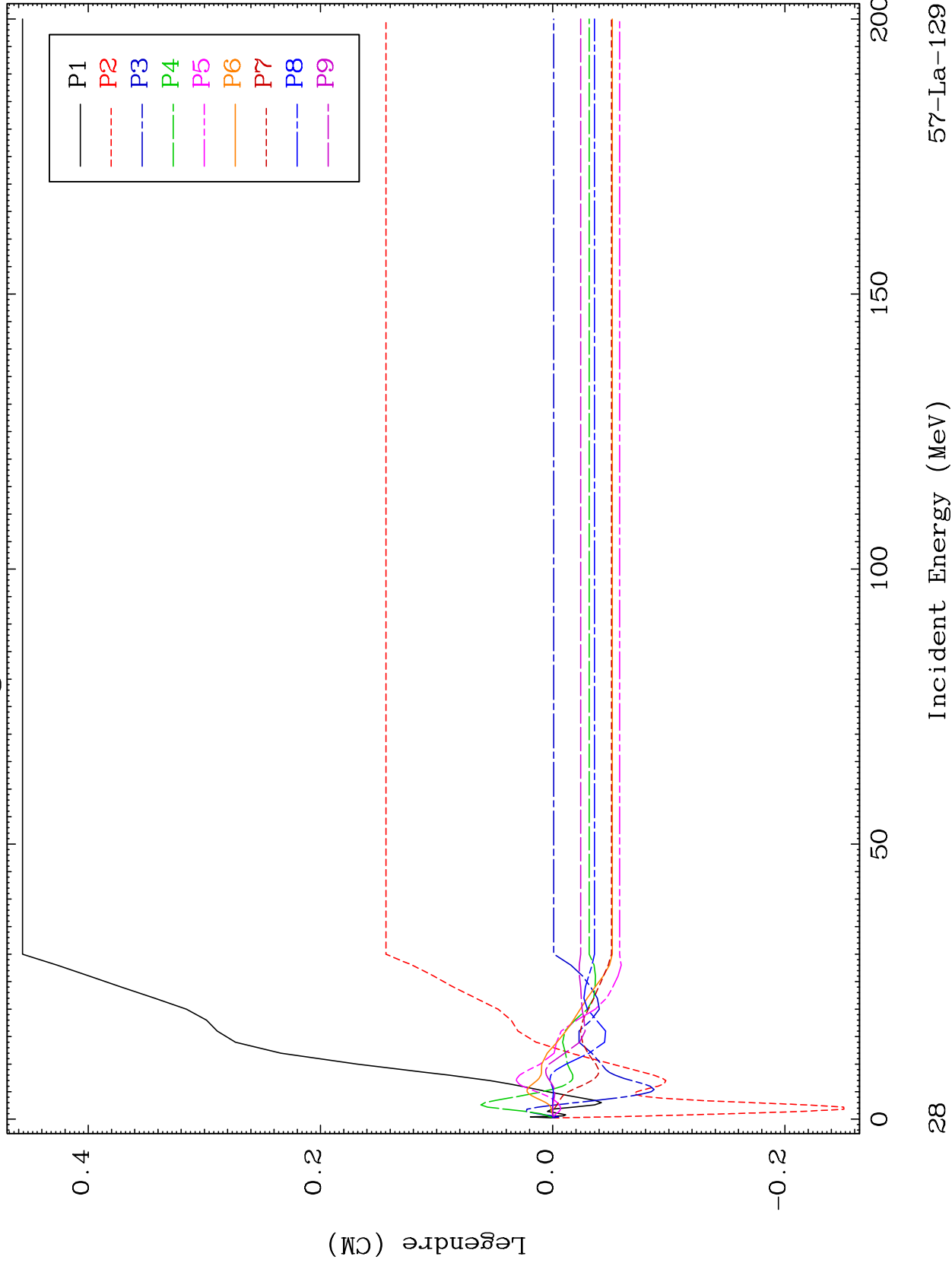
57-La-129



MAT 5698

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

57-La-129



57-La-129

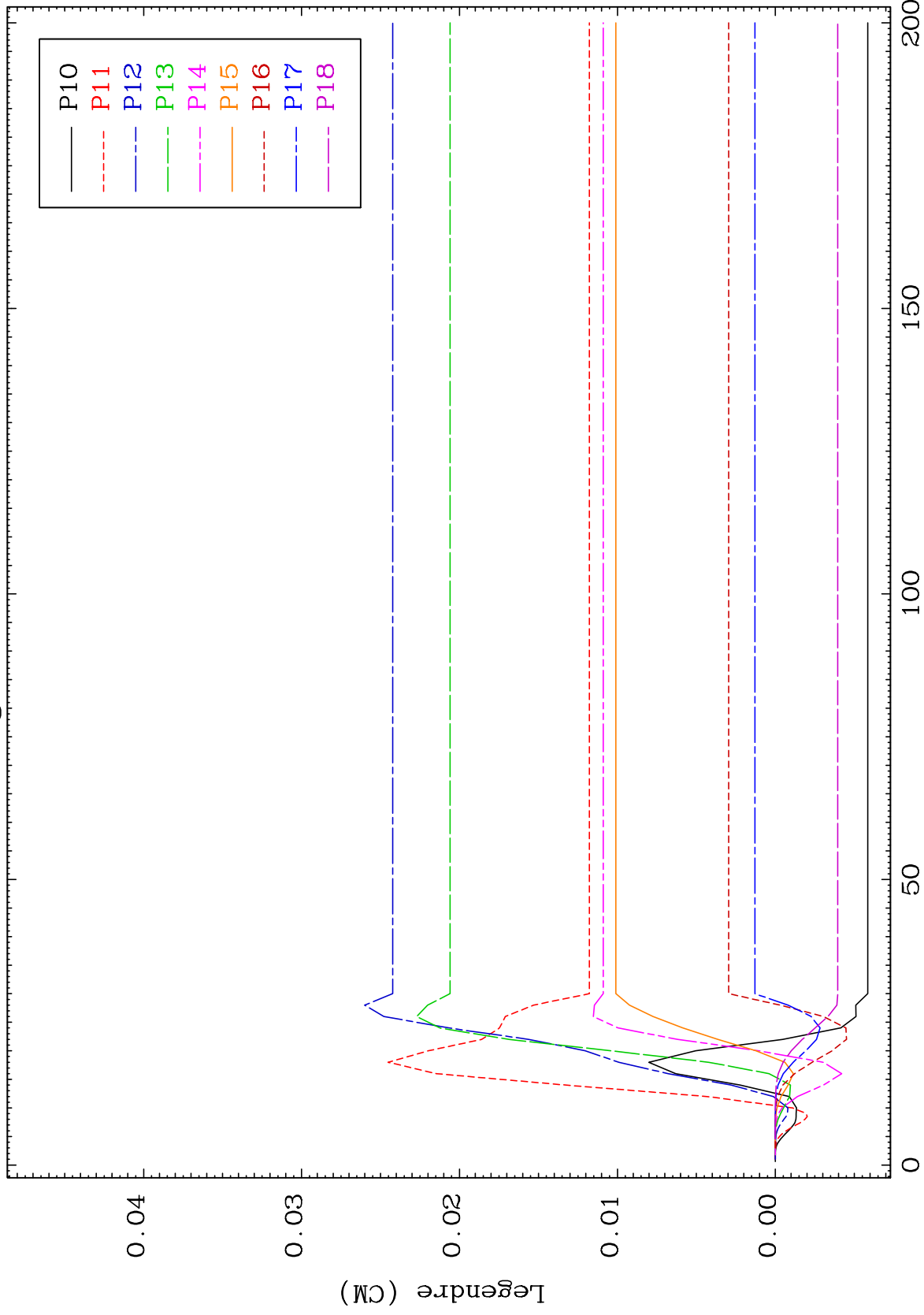
Incident Energy (MeV)

28

MAT 5698

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

57-La-129



29

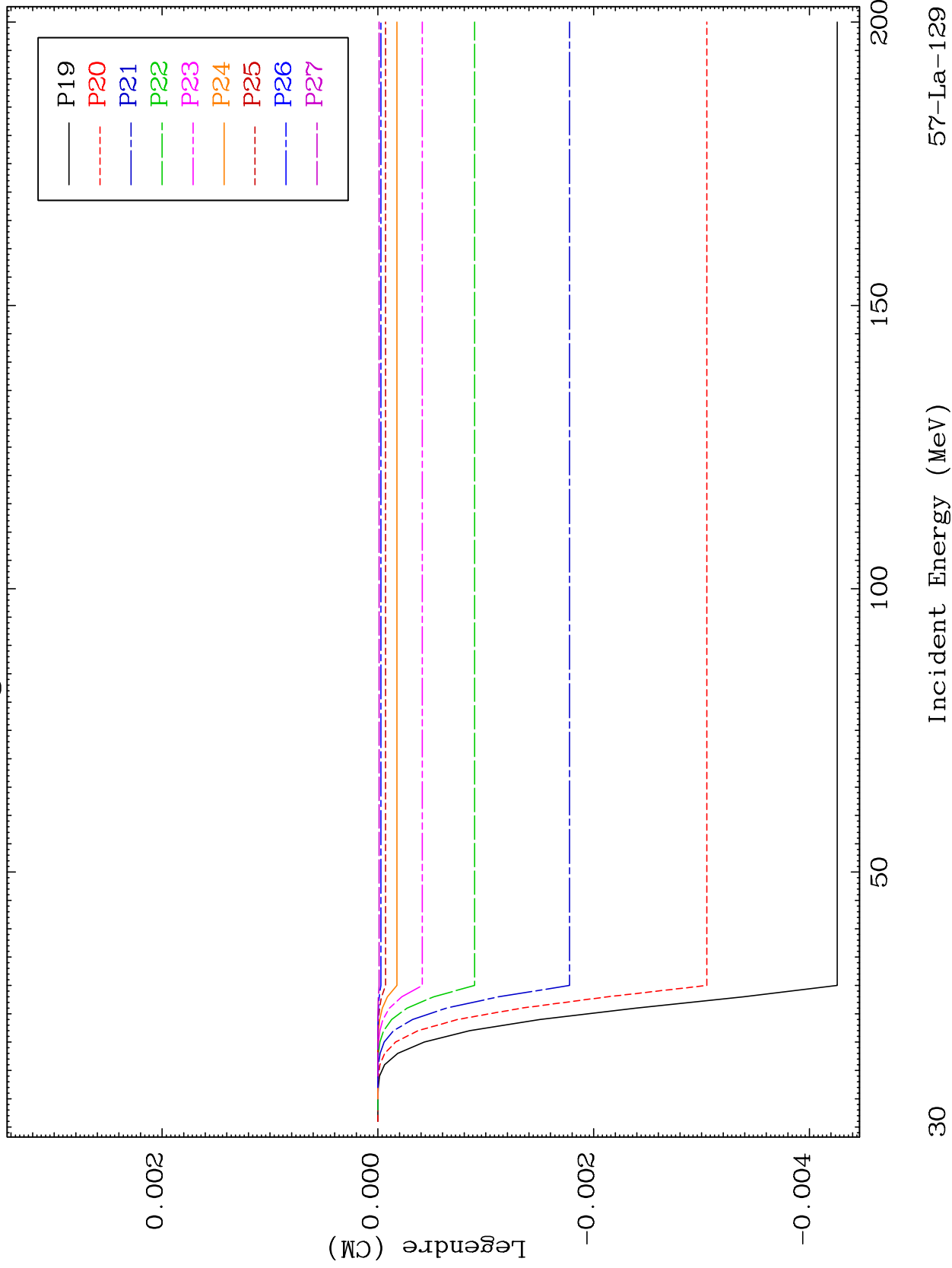
Incident Energy (MeV)

57-La-129

MAT 5698

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

57-La-129



57-La-129

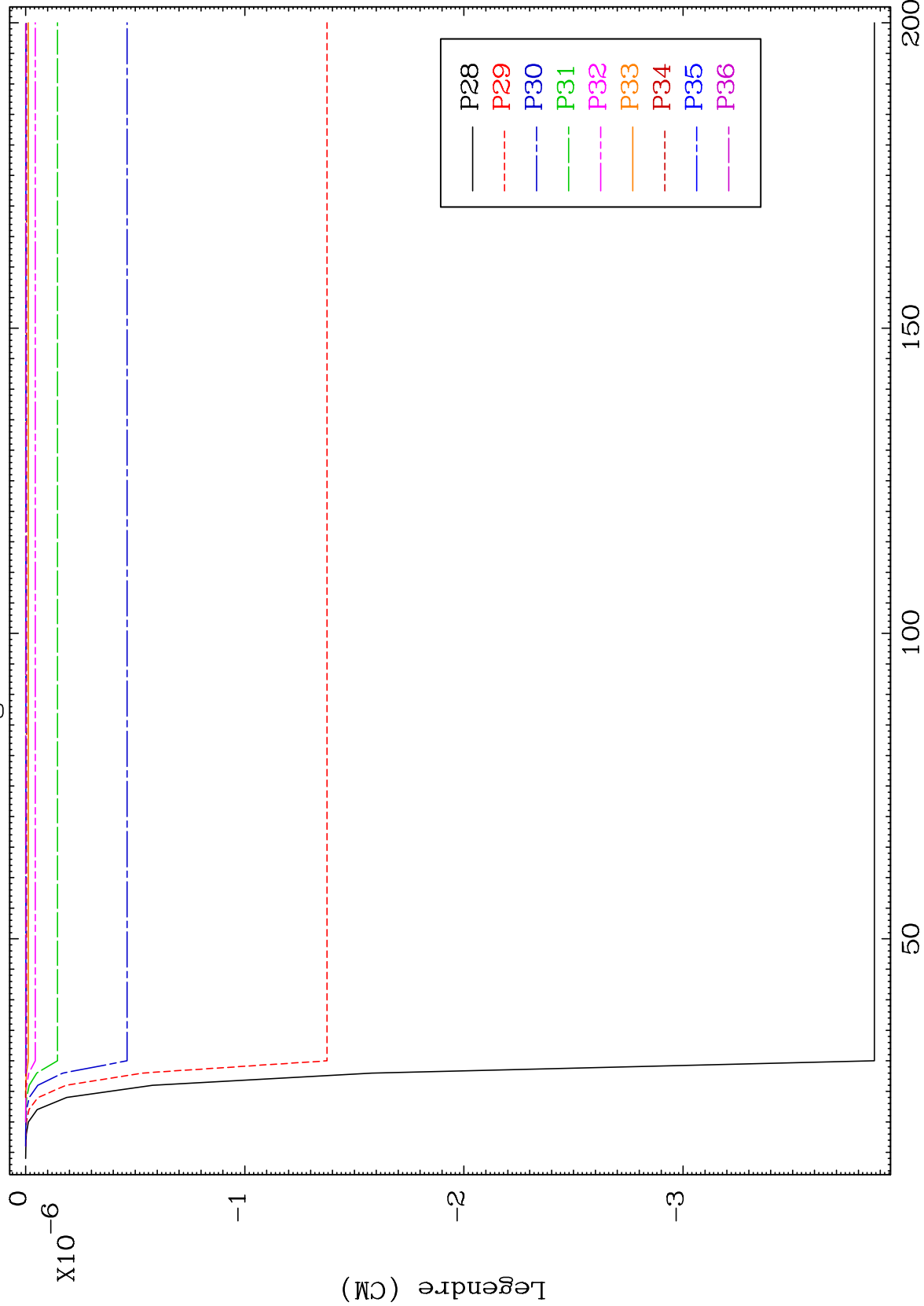
Incident Energy (MeV)

30

MAT 5698

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

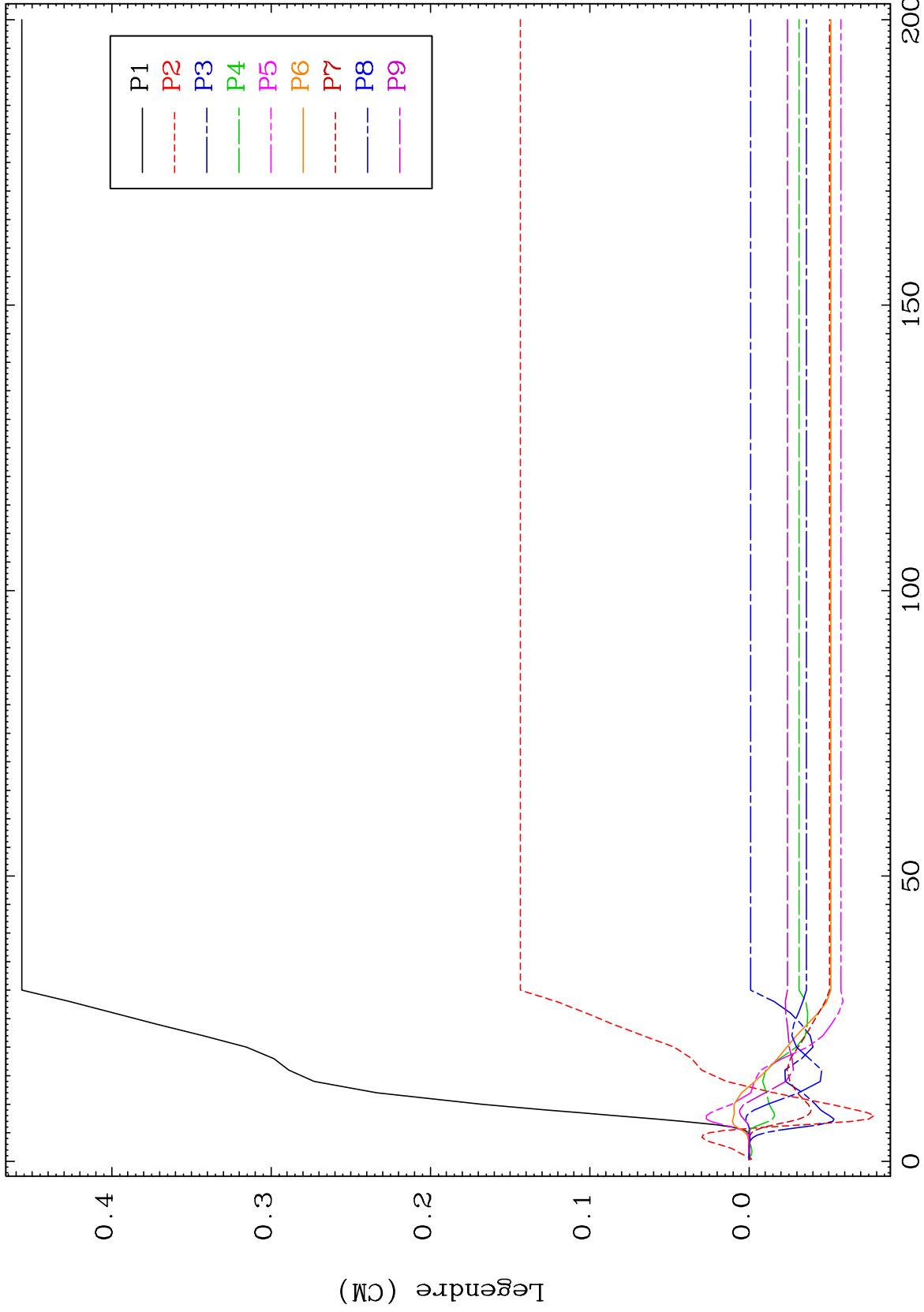
57-La-129



MAT 5698

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

57-La-129



32

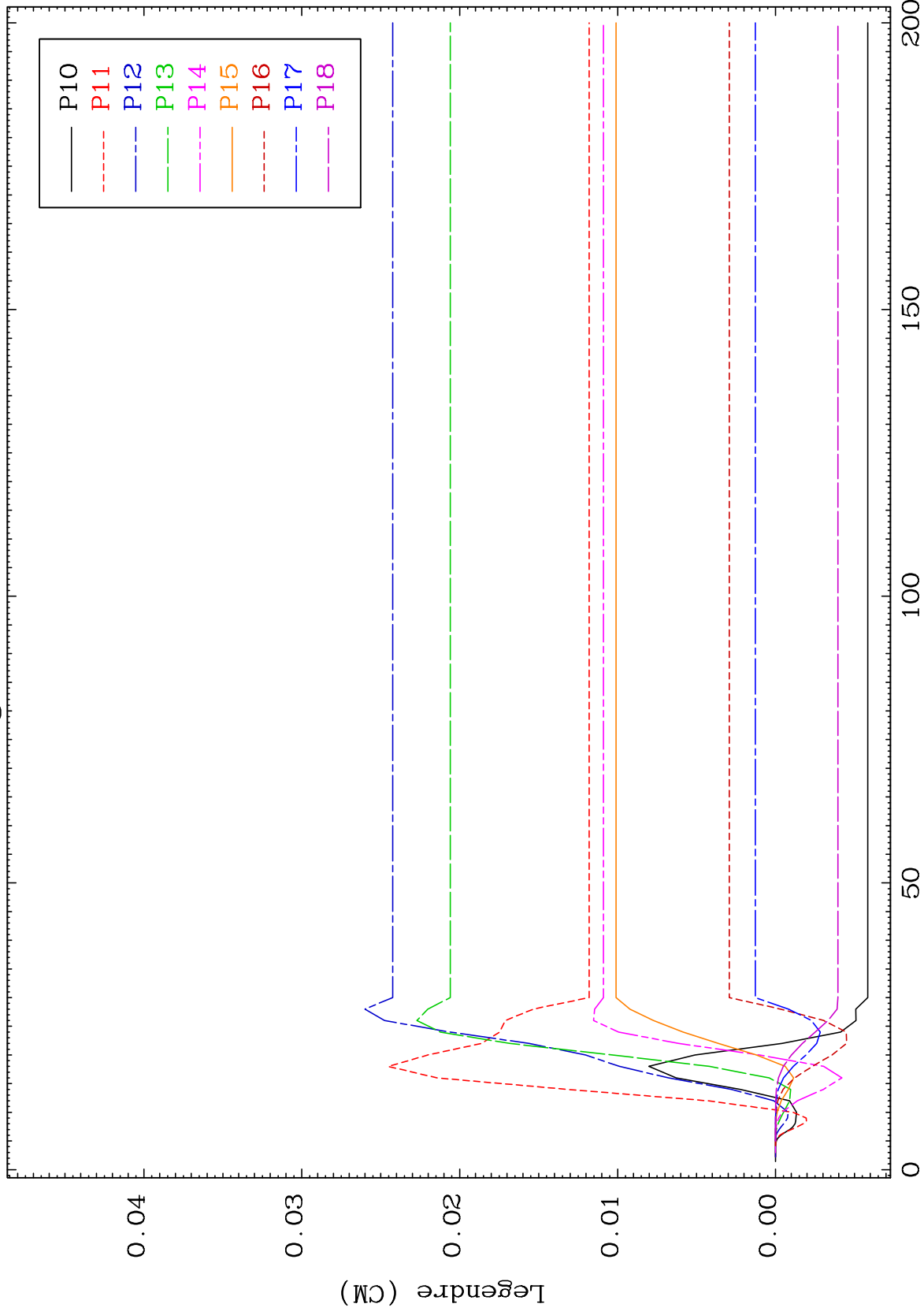
Incident Energy (MeV)

57-La-129

MAT 5698

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

57-La-129



33

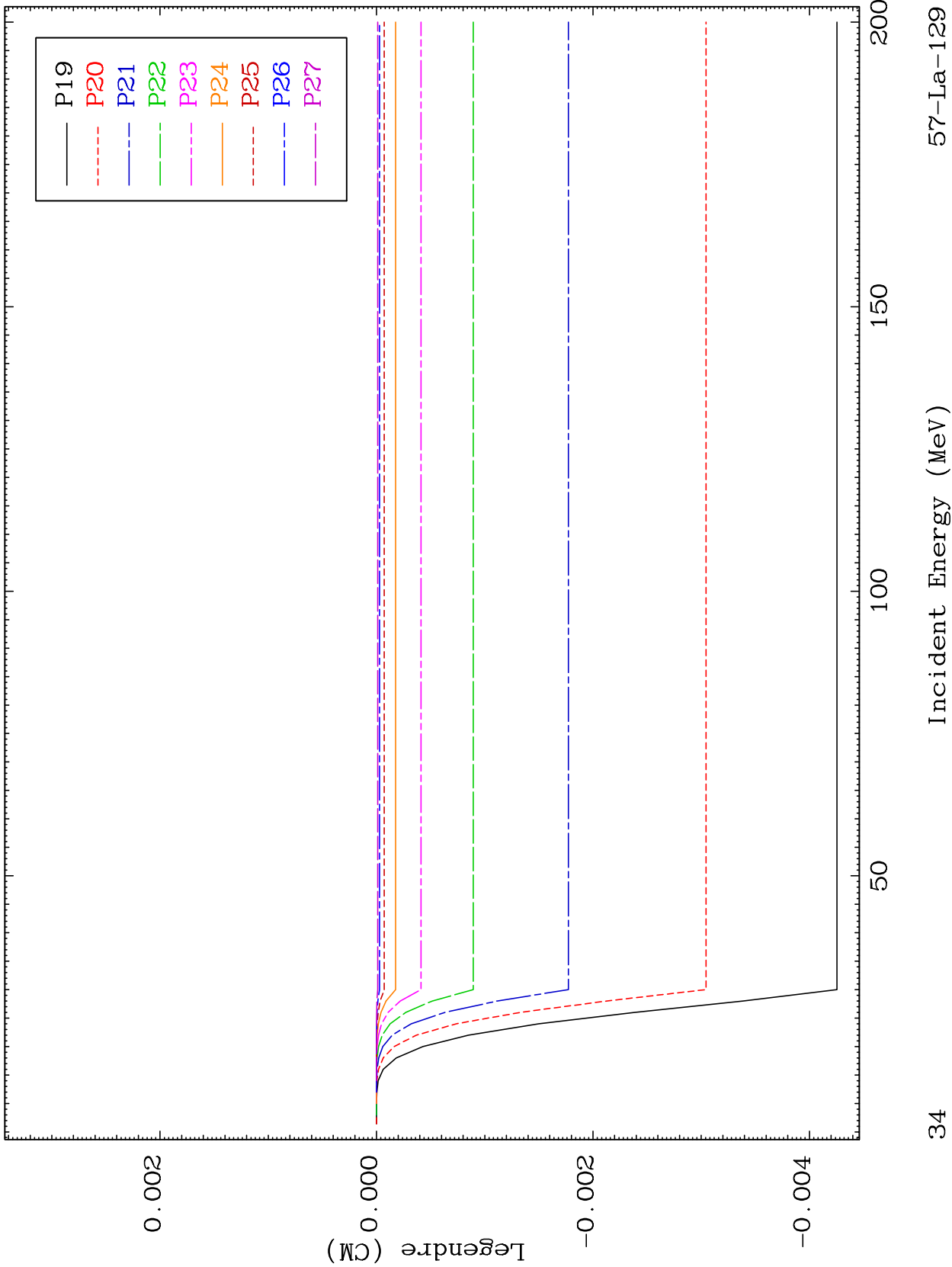
Incident Energy (MeV)

57-La-129

MAT 5698

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

57-La-129



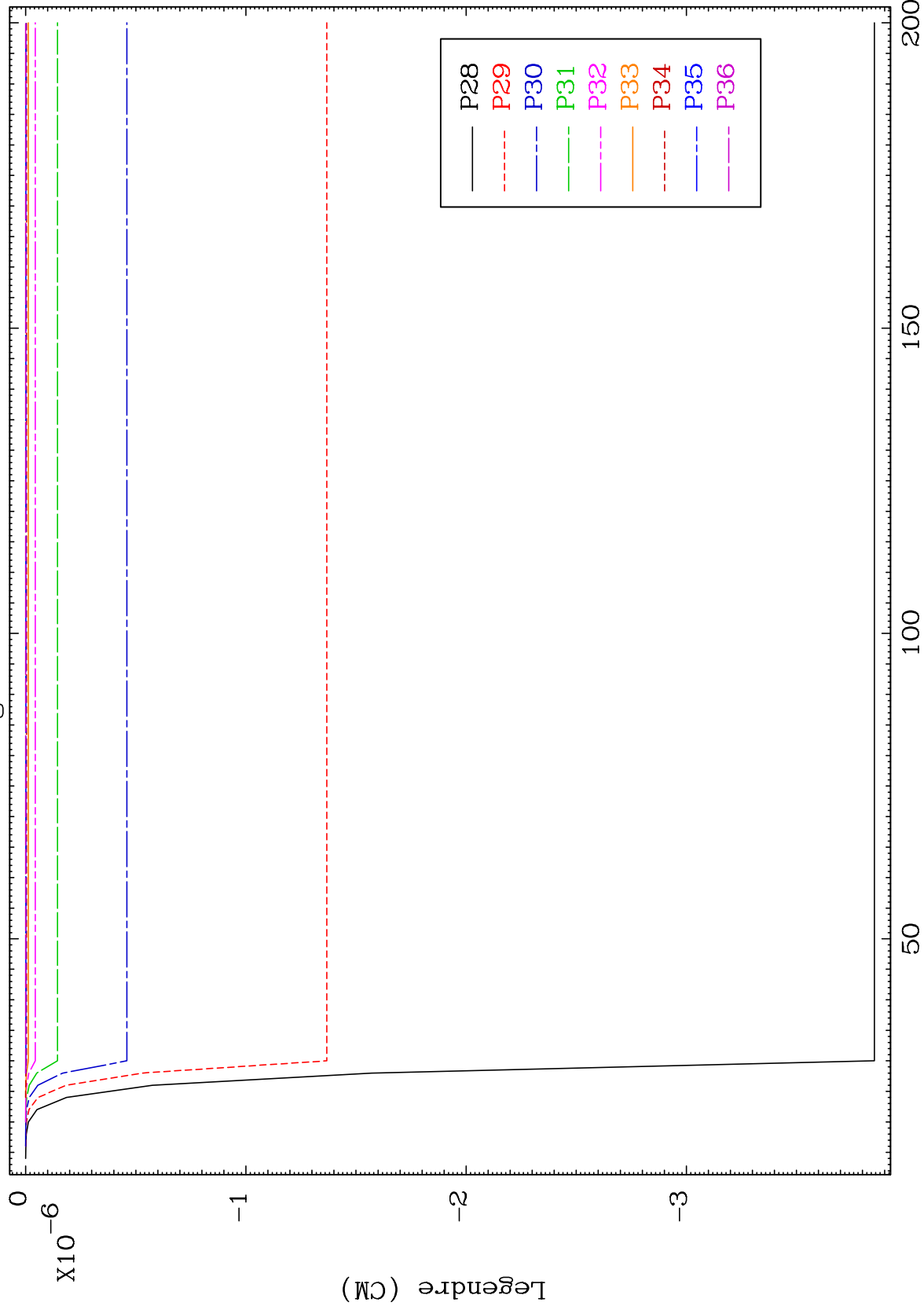
34

57-La-129

MAT 5698

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

57-La-129



35

Incident Energy (MeV)

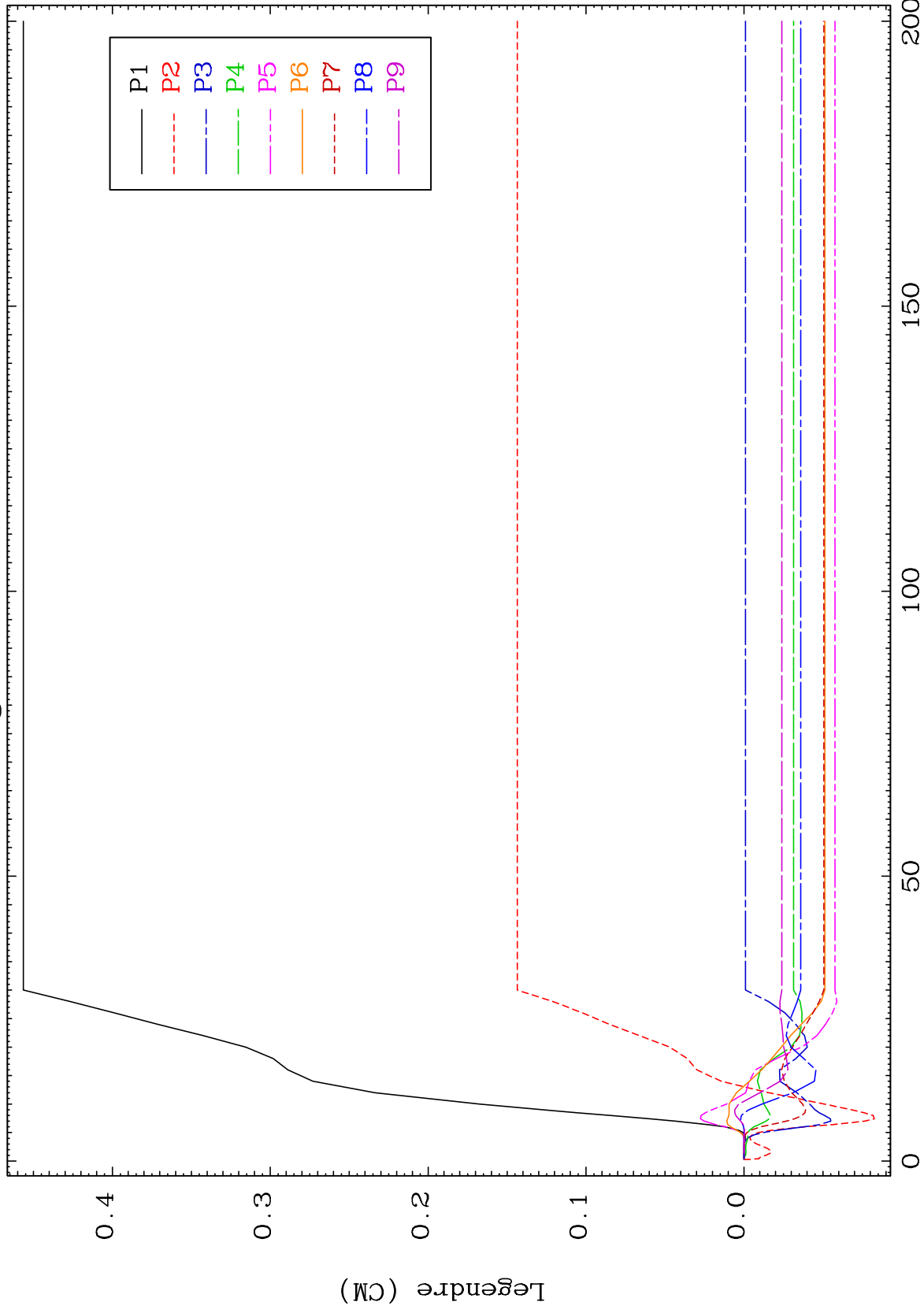
57-La-129

MAT 5698

MT= 55 (n,n') Level

57-La-129

Legendre Coefficients



36

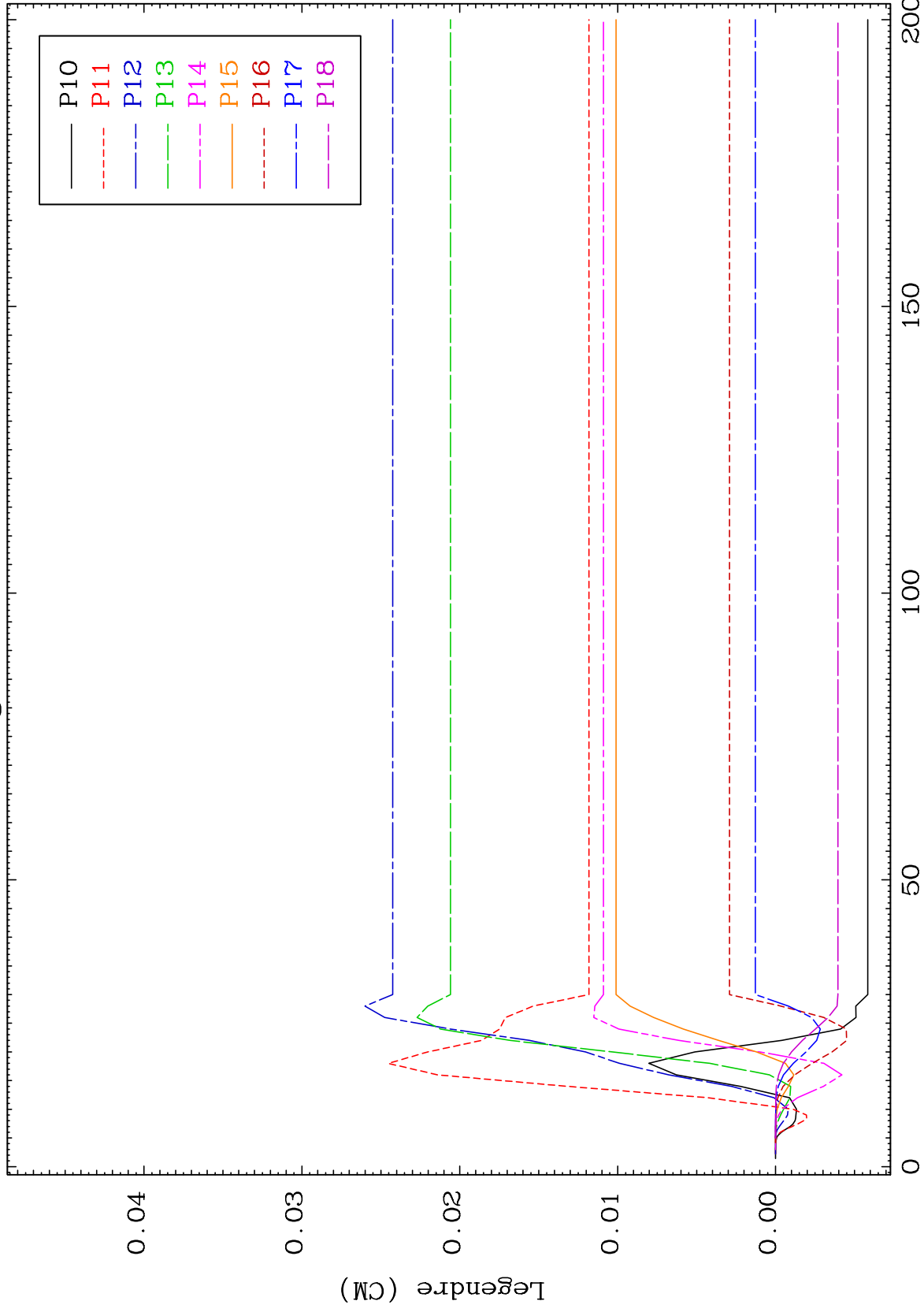
Incident Energy (MeV)

57-La-129

MAT 5698

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

57-La-129



37

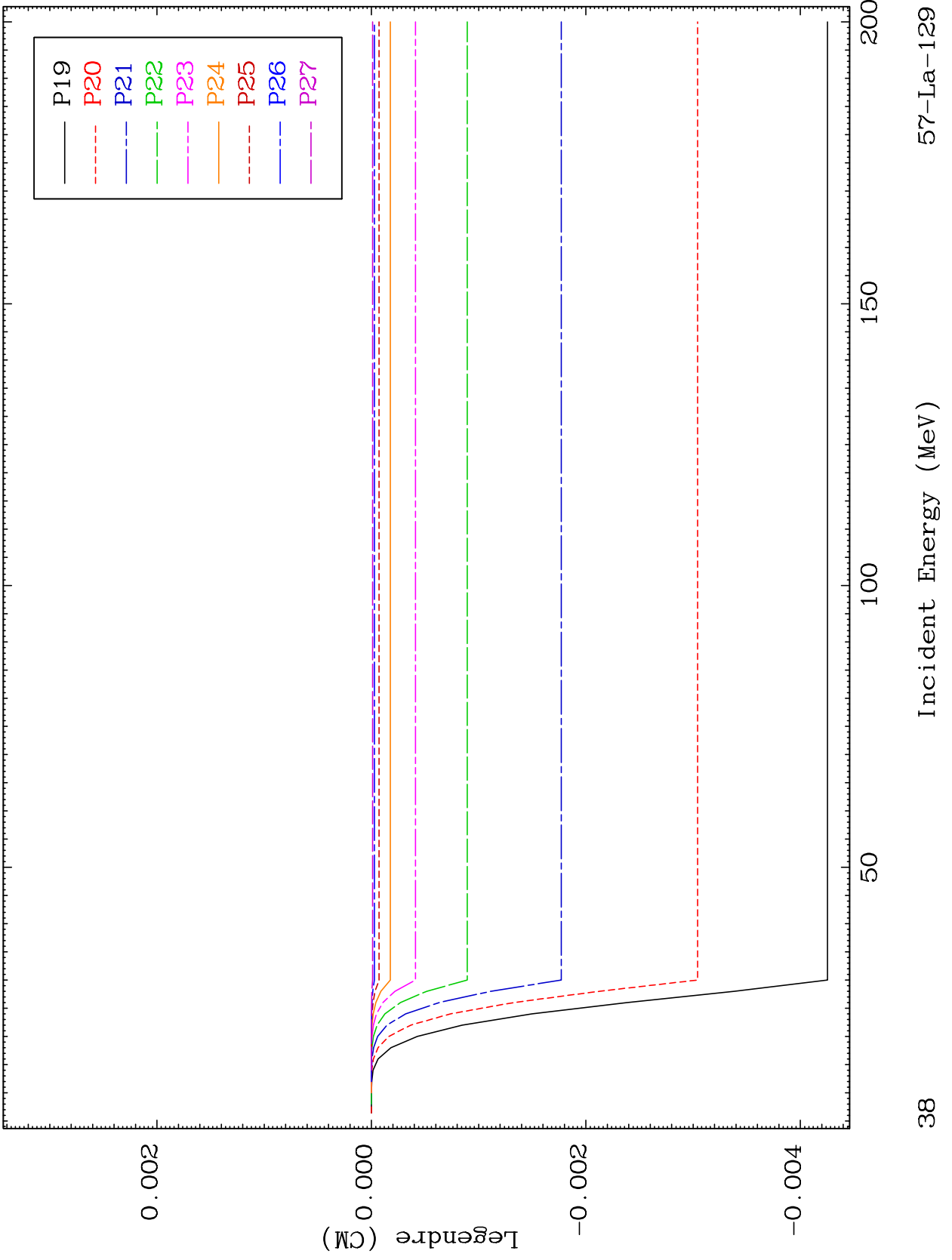
Incident Energy (MeV)

57-La-129

MAT 5698

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

57-La-129



38

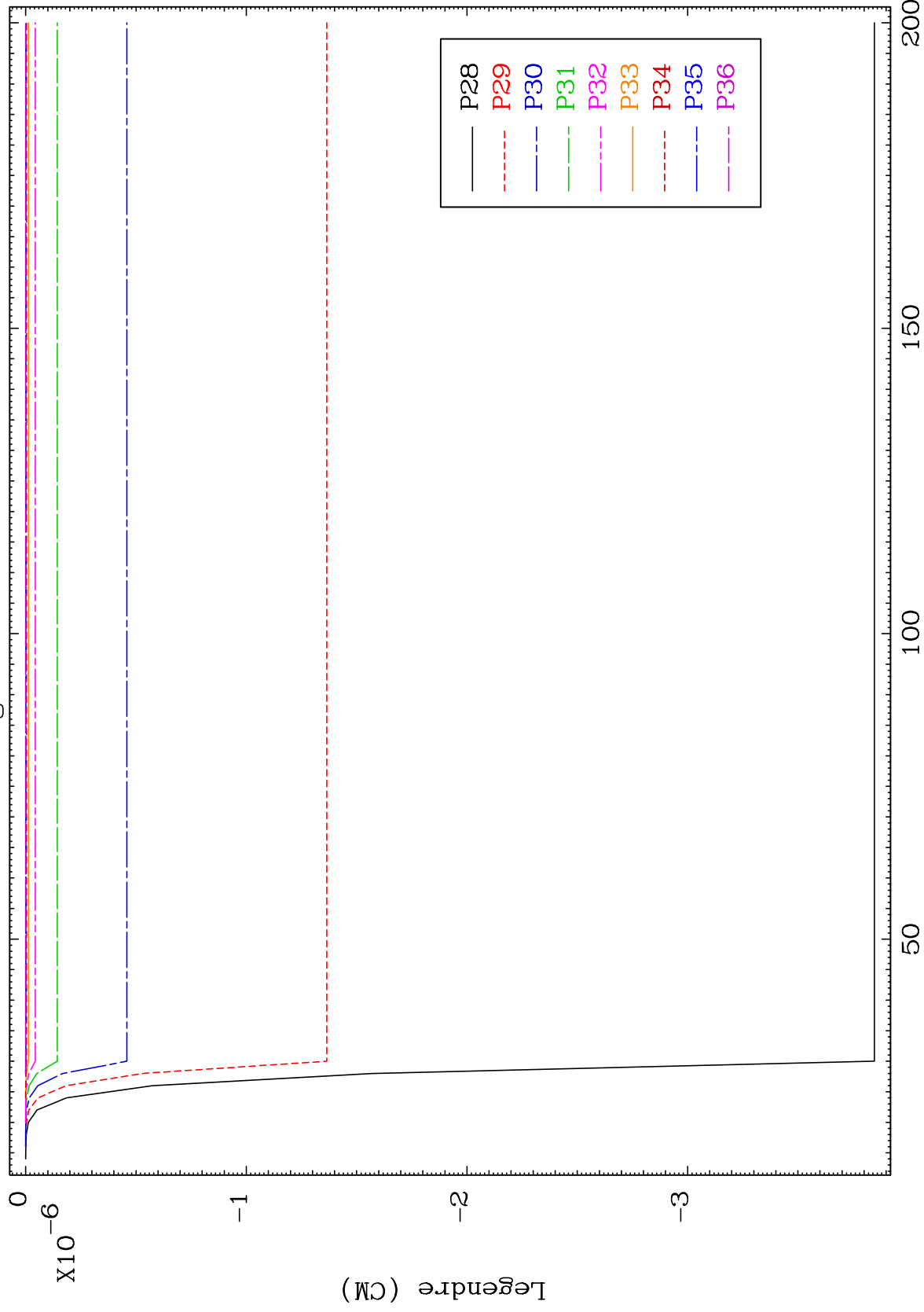
Incident Energy (MeV)

57-La-129

MAT 5698

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

57-La-129



39

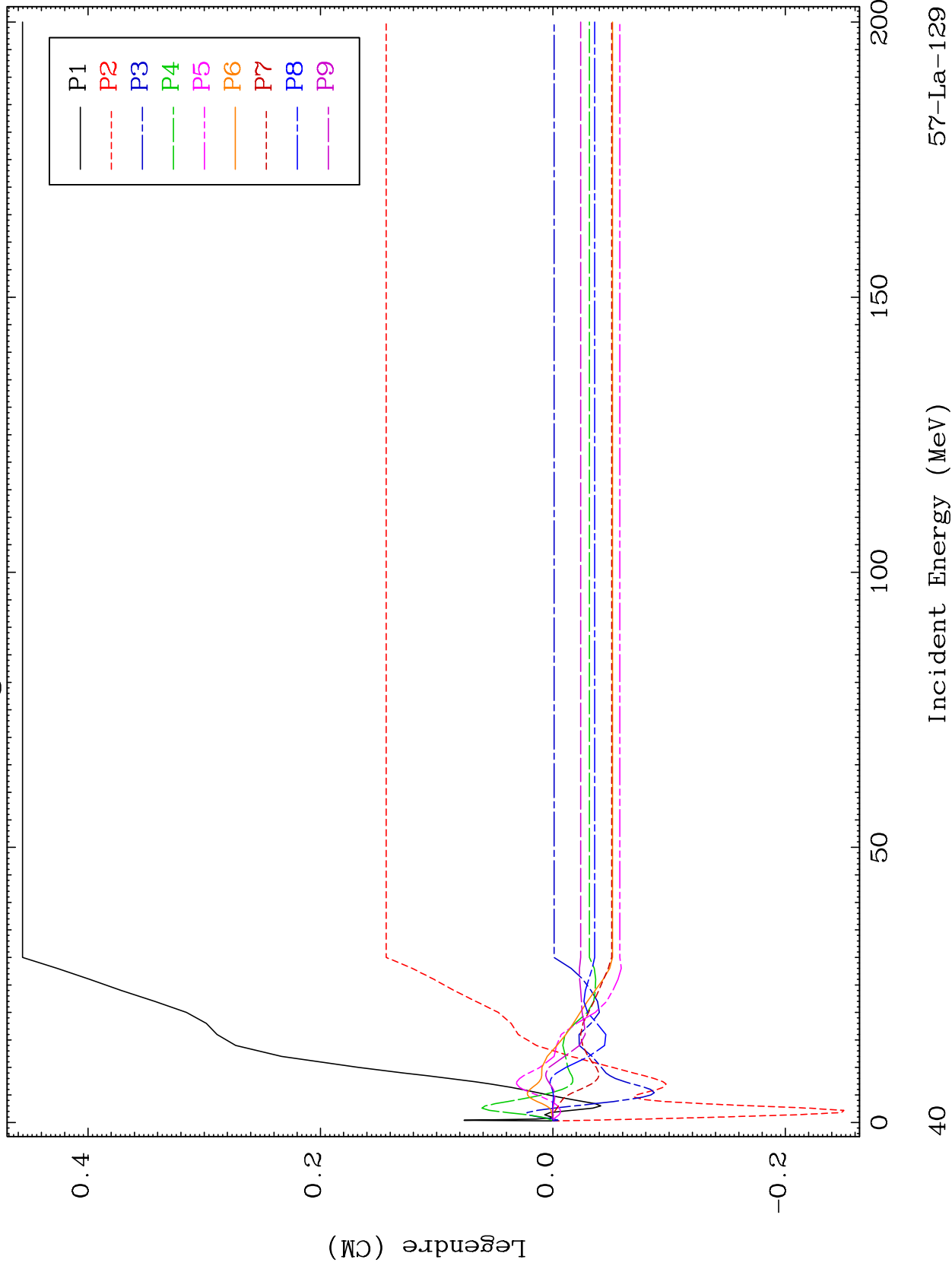
Incident Energy (MeV)

57-La-129

MAT 5698

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

57-La-129

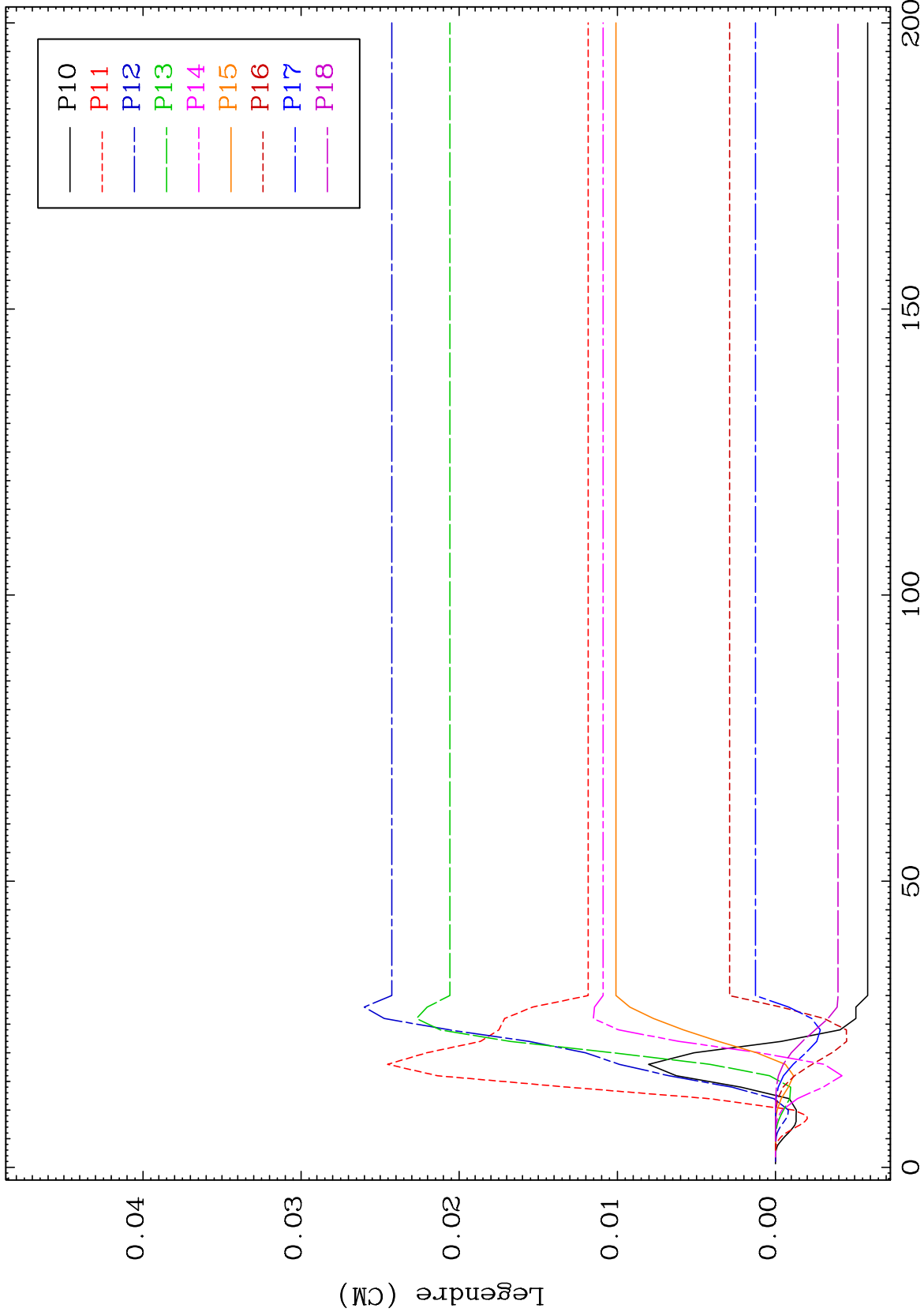


57-La-129

MAT 5698

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

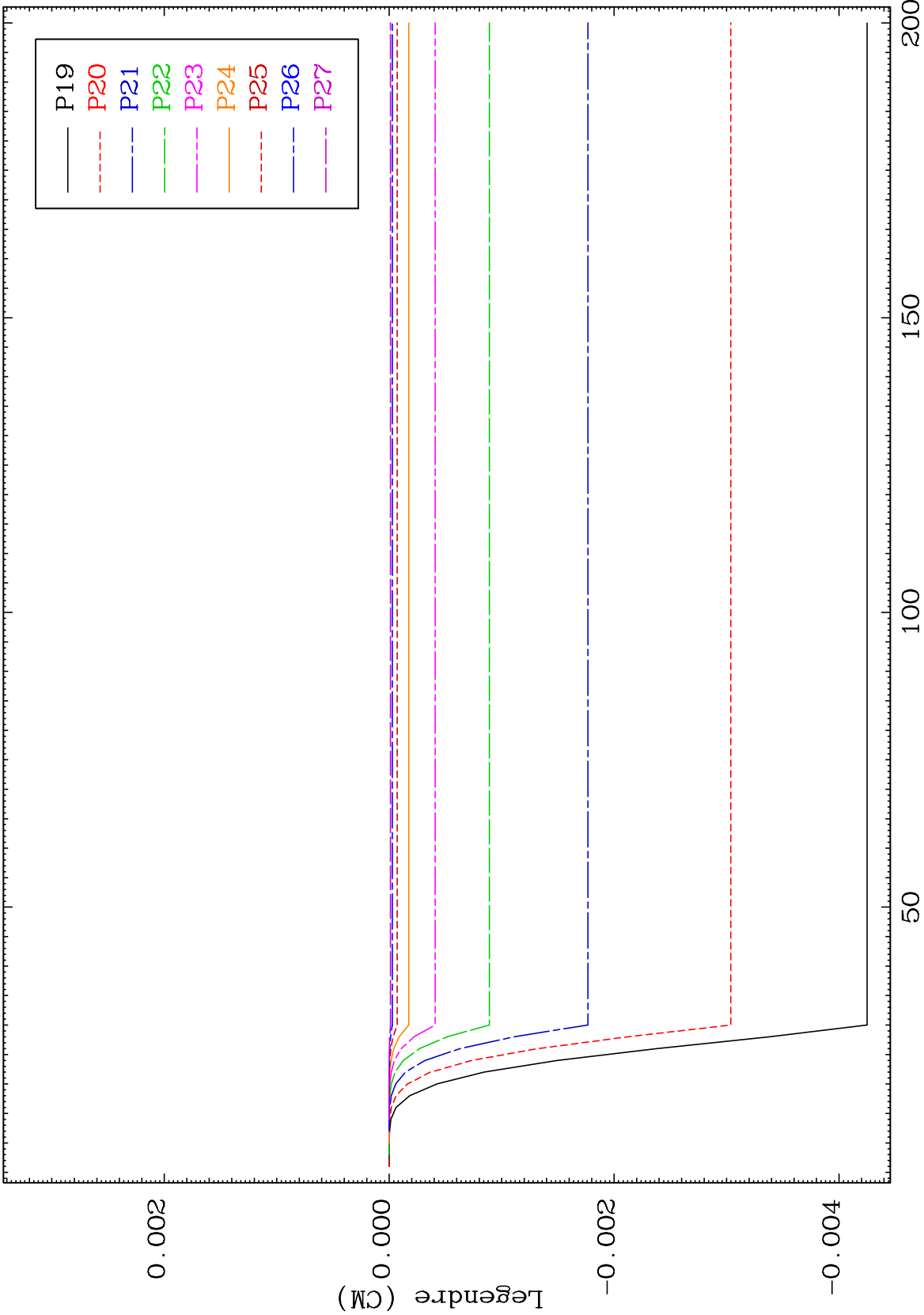
57-La-129



MAT 5698

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

57-La-129



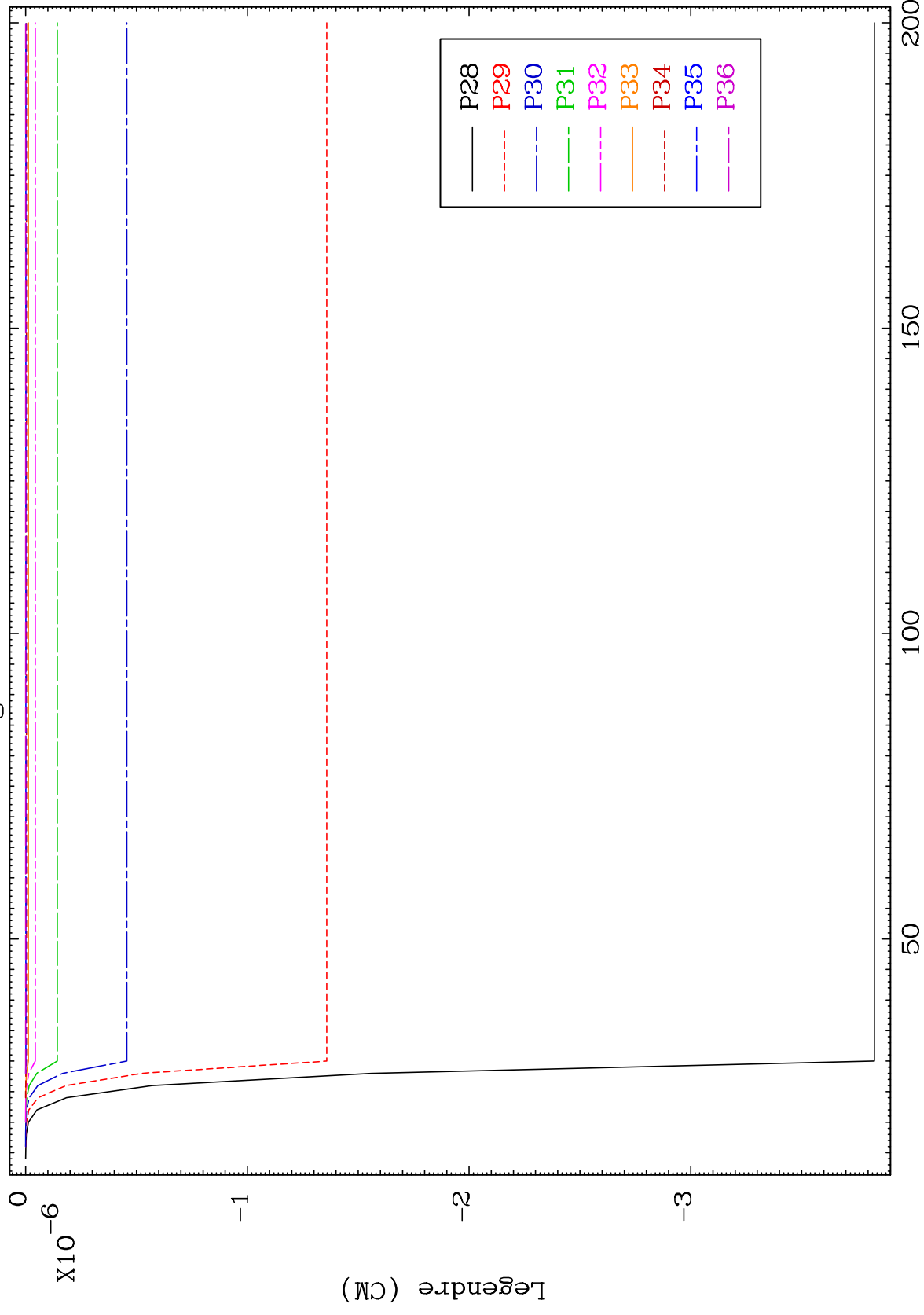
42

57-La-129

MAT 5698

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

57-La-129



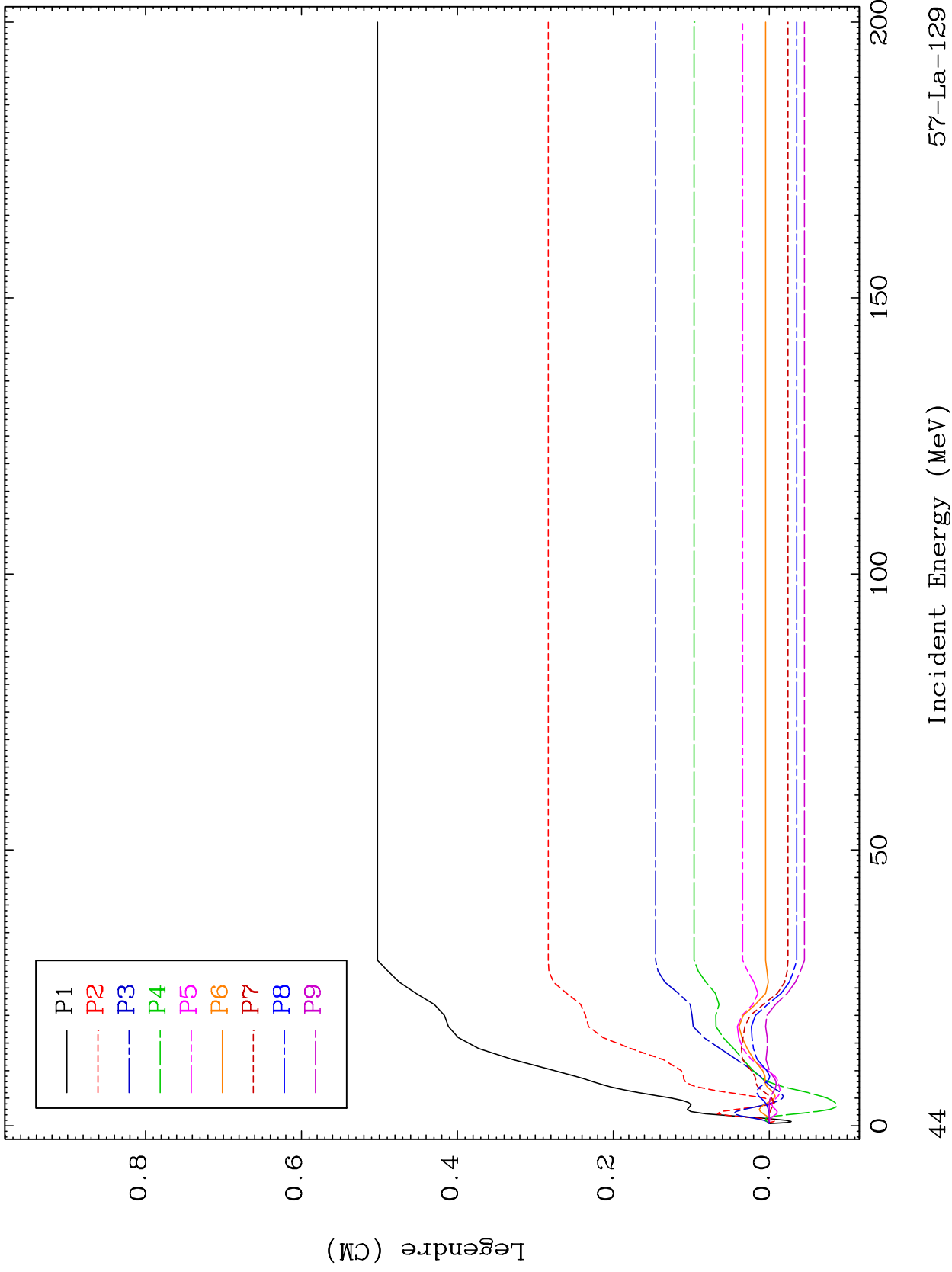
43

57-La-129

MAT 5698

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

57-La-129



44

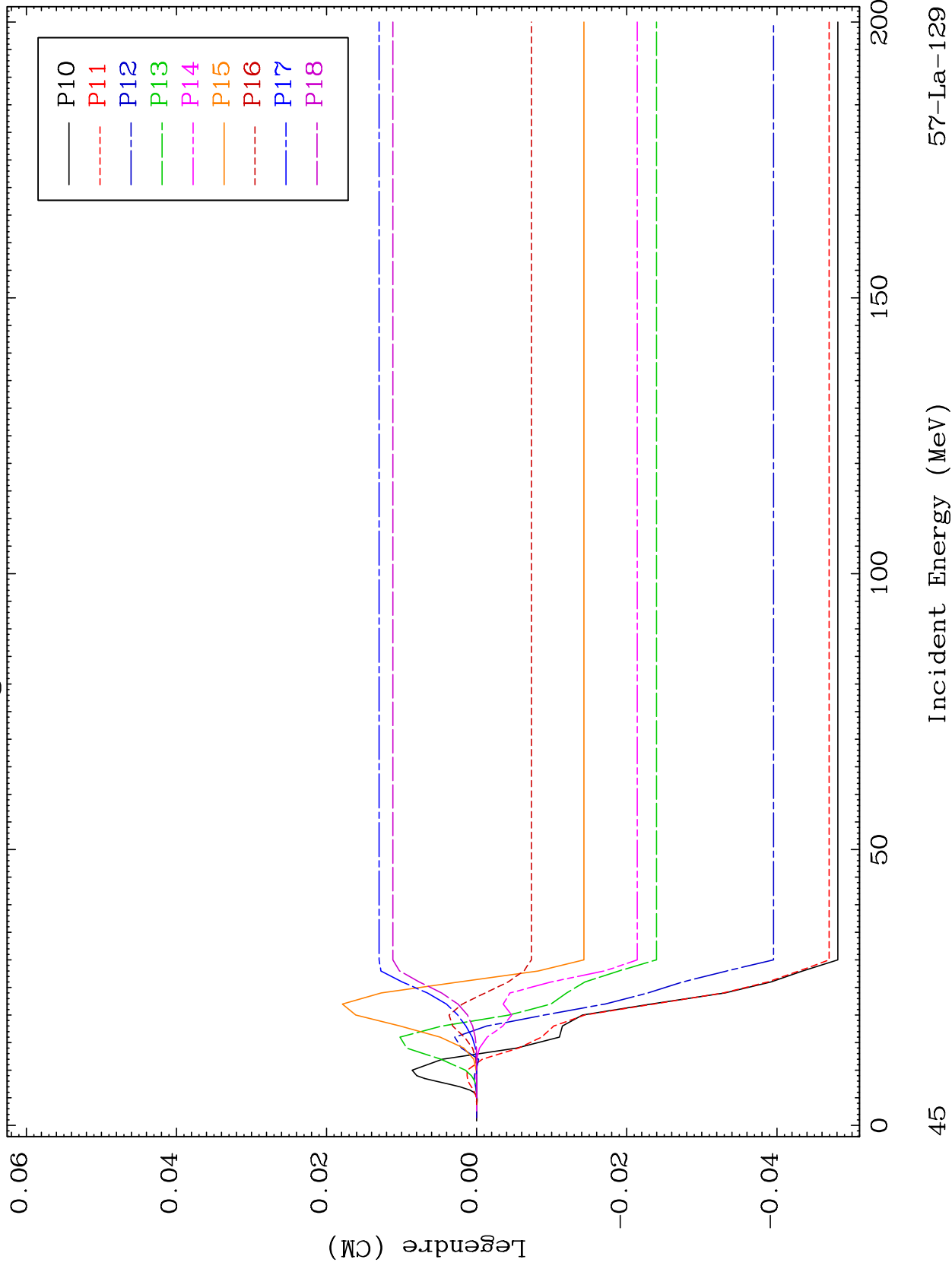
Incident Energy (MeV)

57-La-129

MAT 5698

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

57-La-129



57-La-129

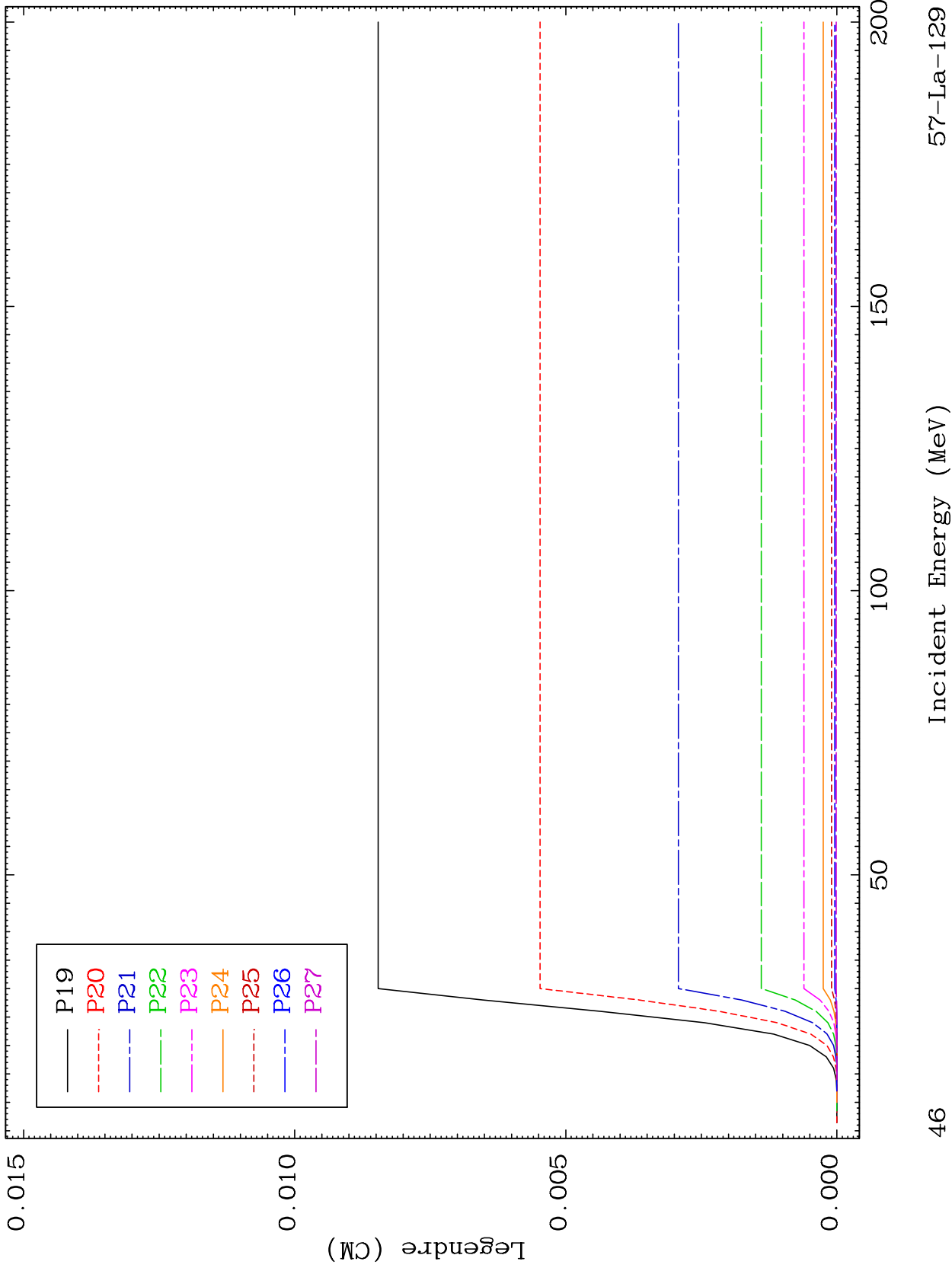
Incident Energy (MeV)

45

MAT 5698

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

57-La-129



46

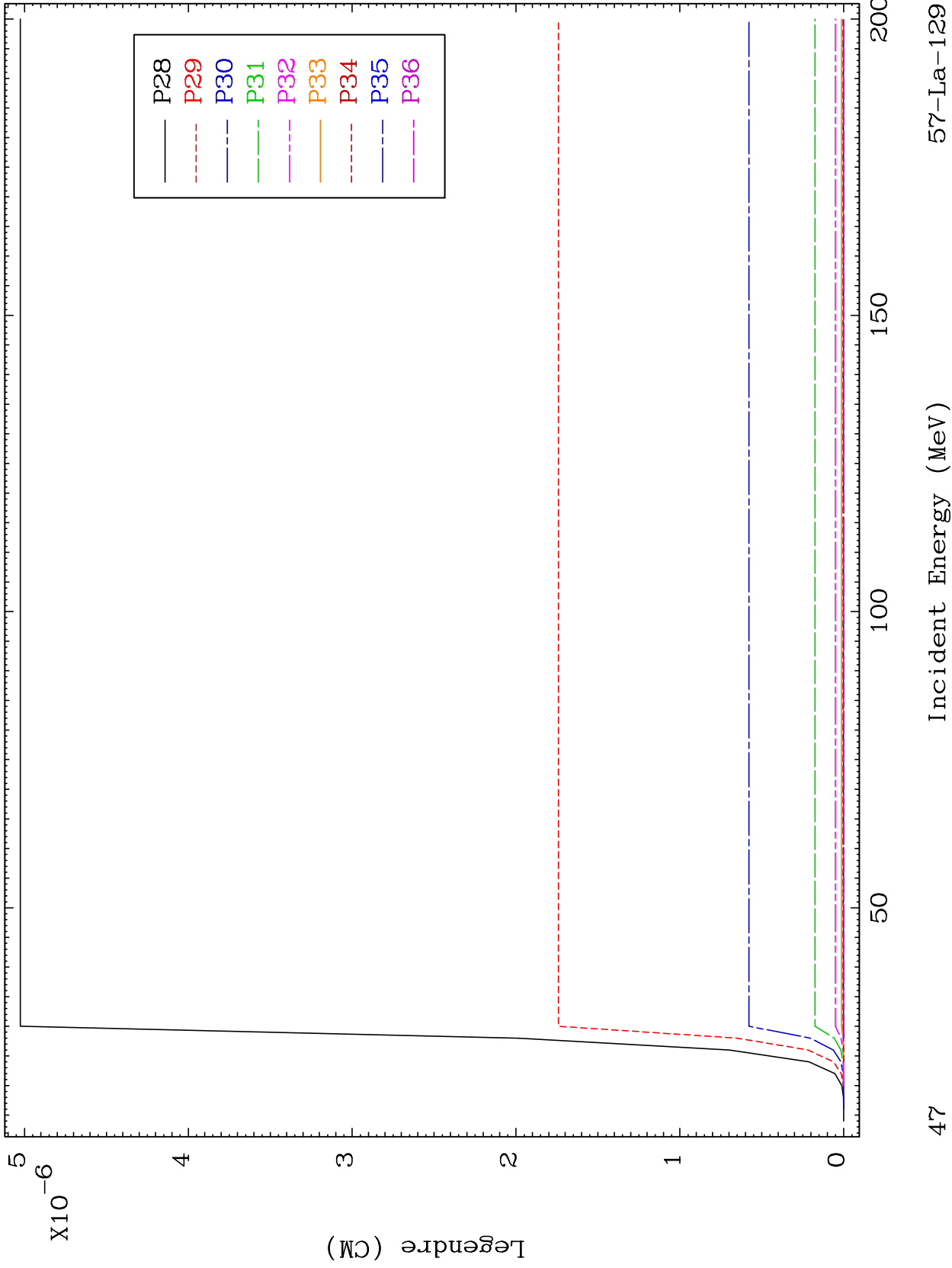
Incident Energy (MeV)

57-La-129

MAT 5698

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

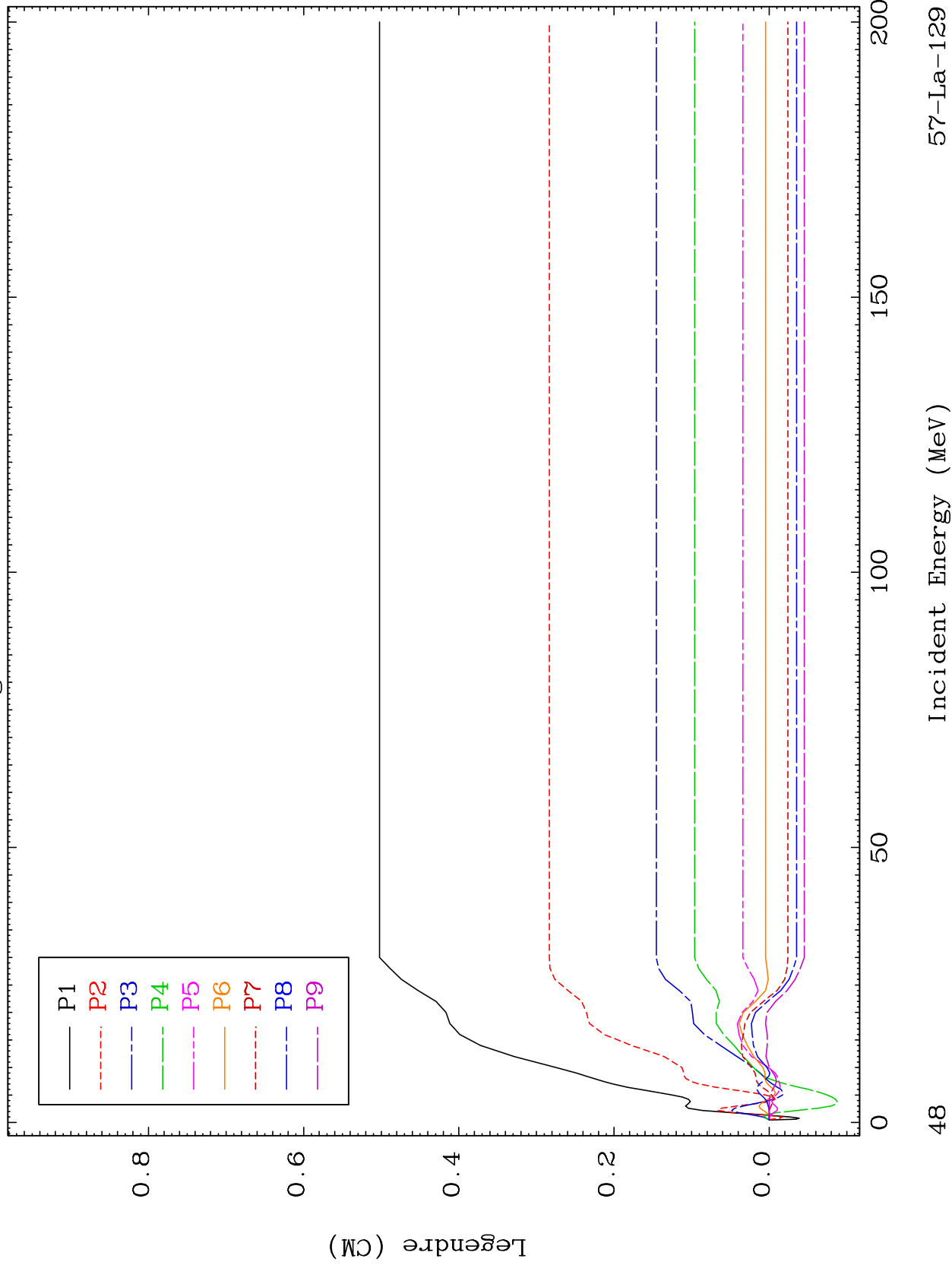
57-La-129



MAT 5698

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

57-La-129



57-La-129

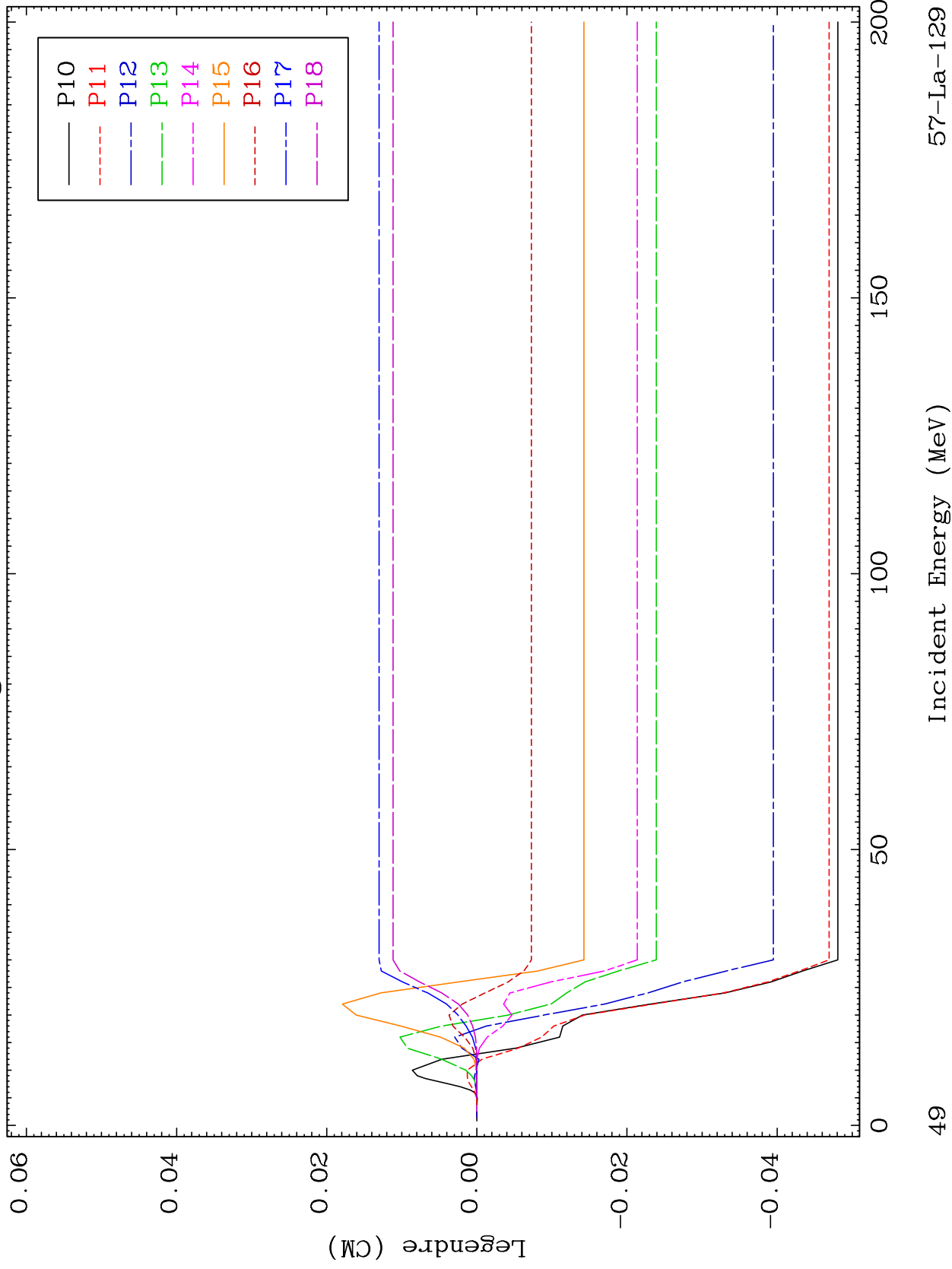
Incident Energy (MeV)

48

MAT 5698

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

57-La-129



57-La-129

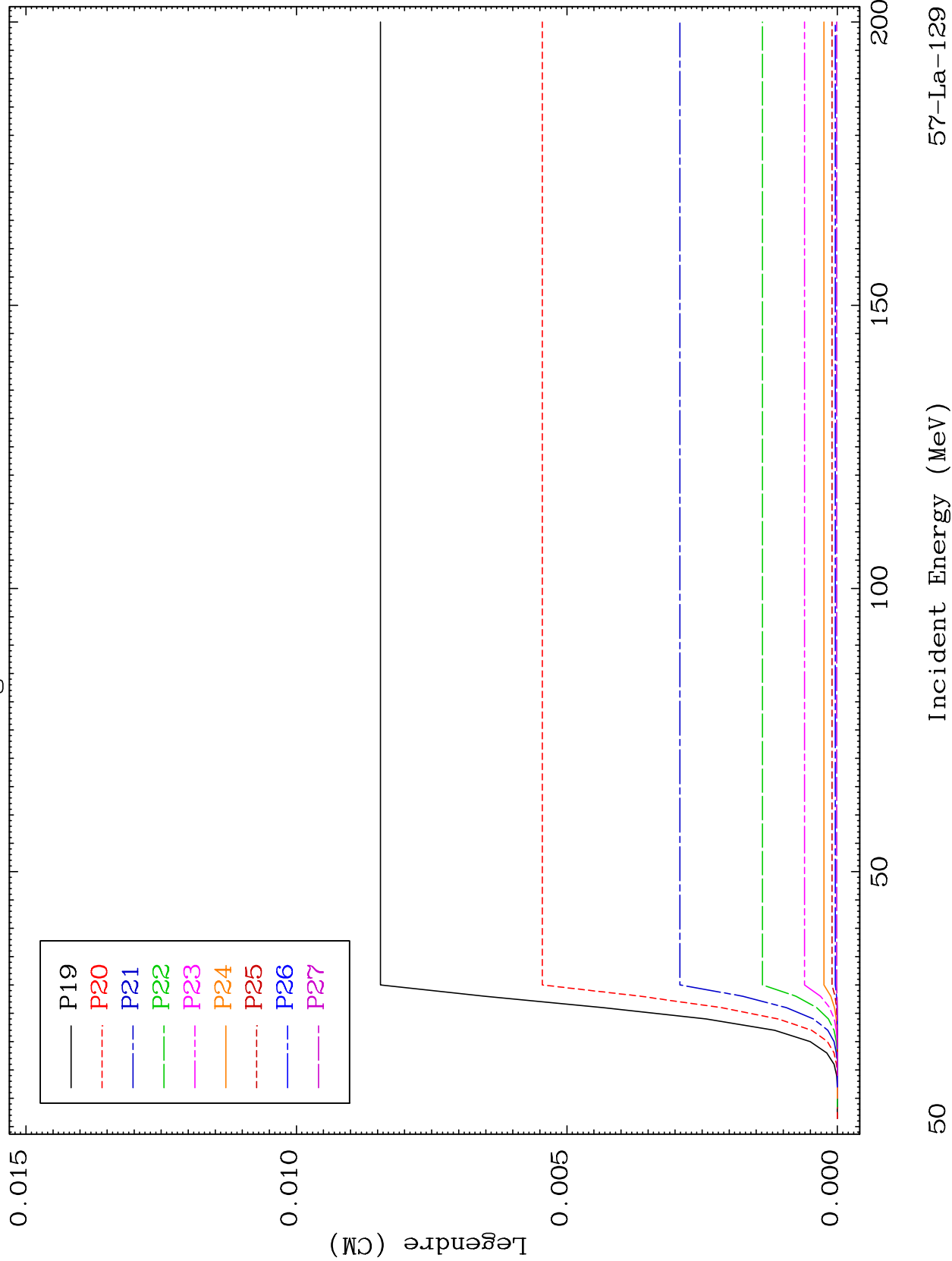
Incident Energy (MeV)

49

MAT 5698

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

57-La-129



50

Incident Energy (MeV)

57-La-129

200

150

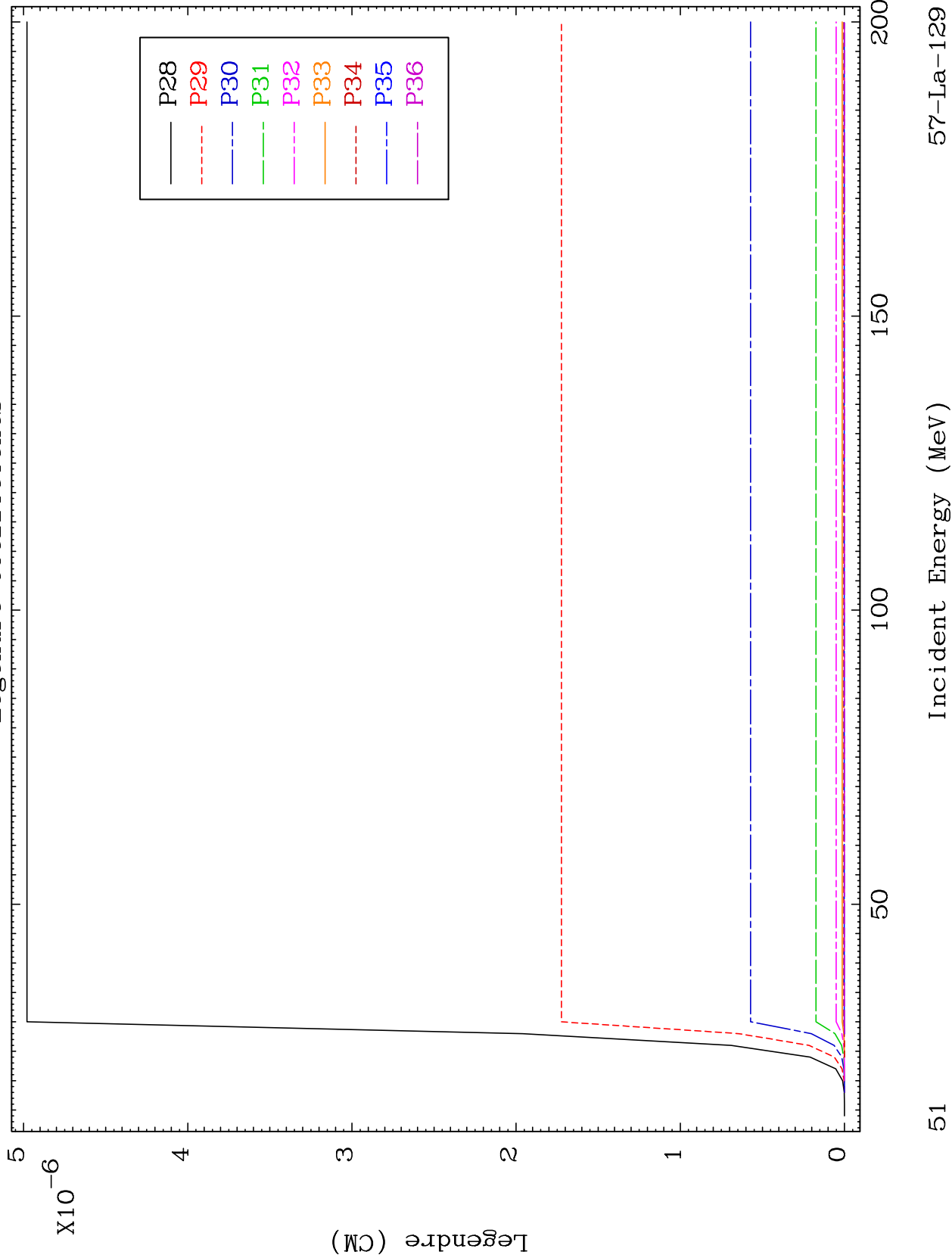
100

50

MAT 5698

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

57-La-129



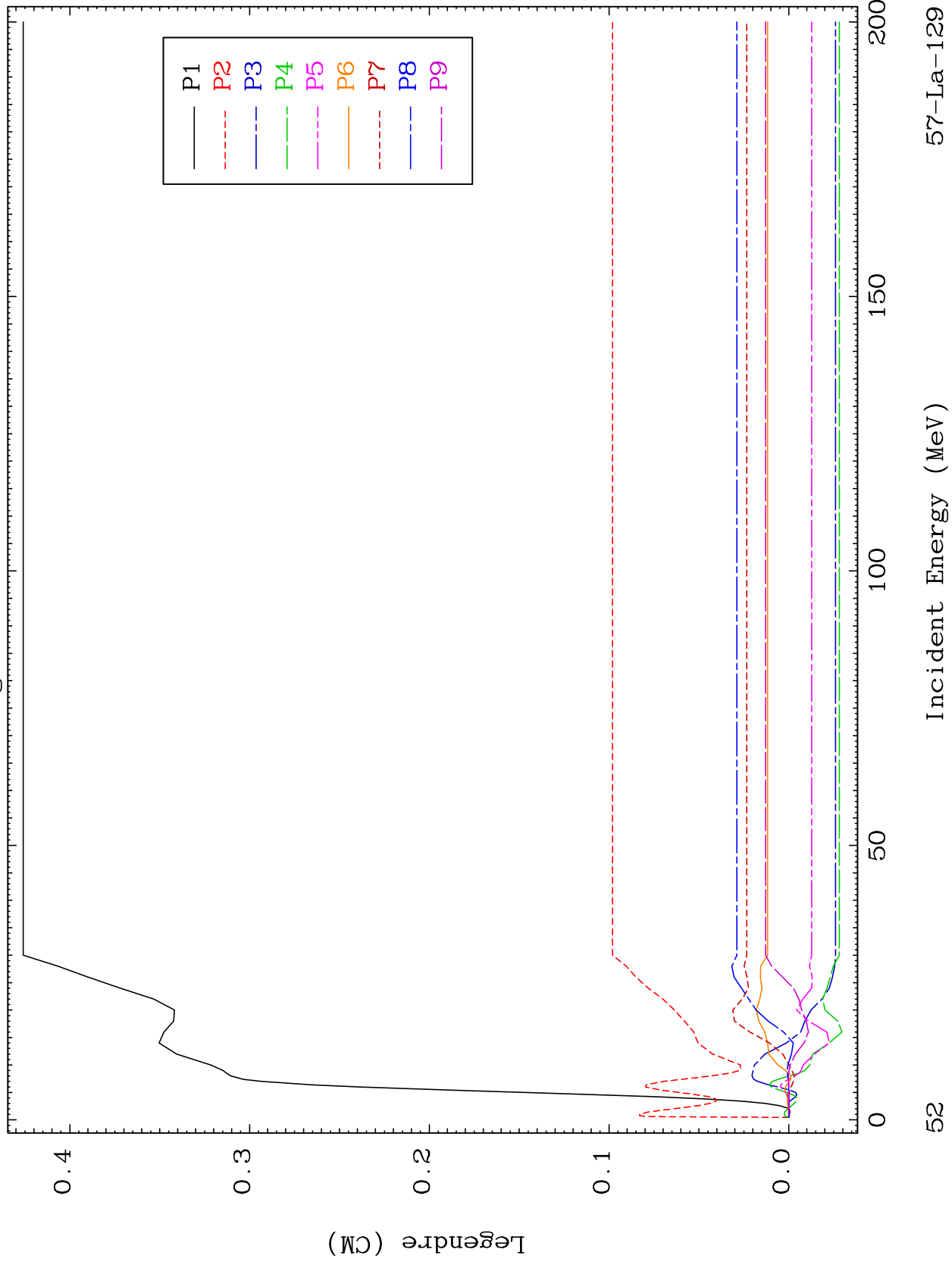
51

57-La-129

MAT 5698

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

57-La-129



57-La-129

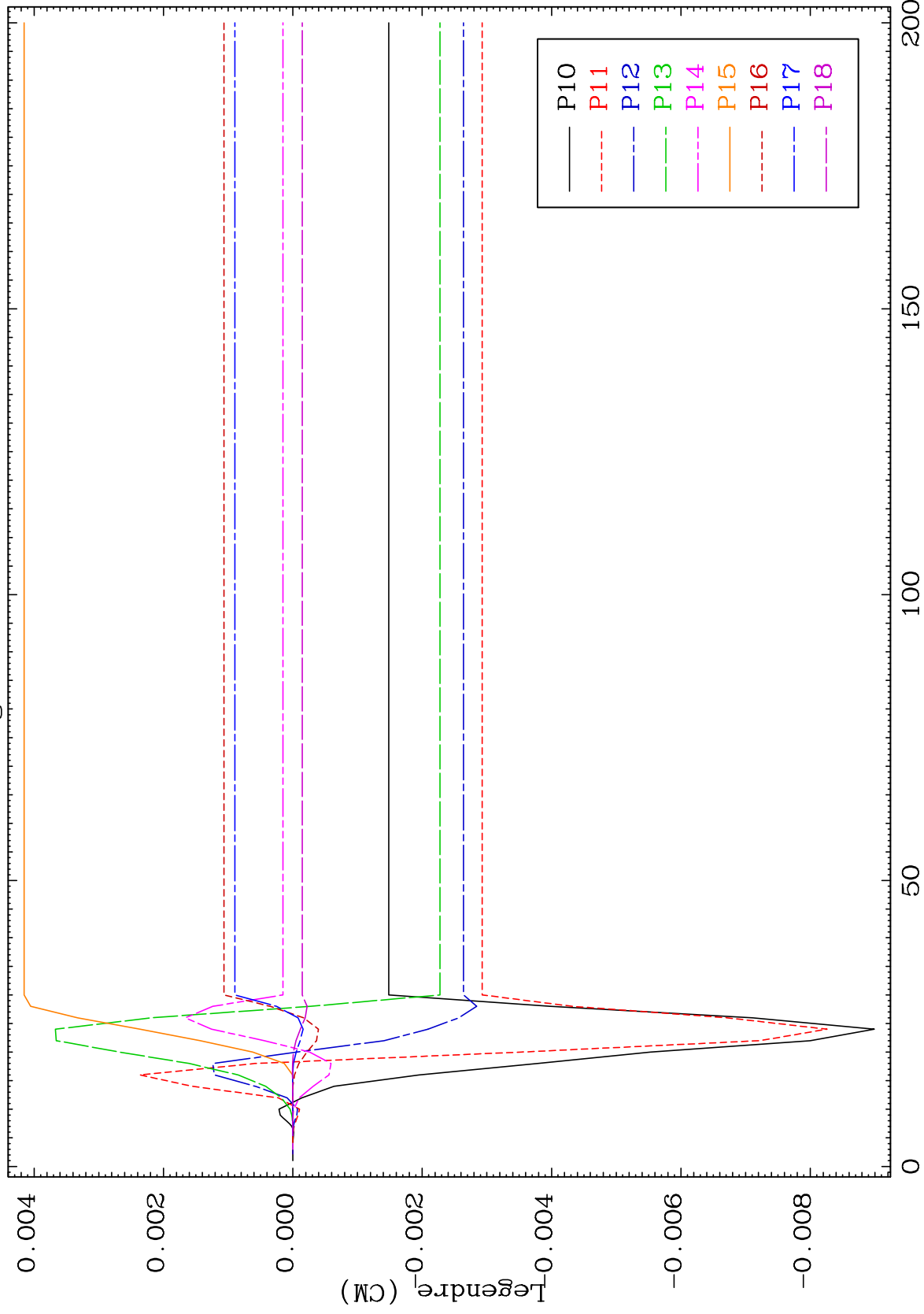
Incident Energy (MeV)

52

MAT 5698

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

57-La-129



53

Incident Energy (MeV)

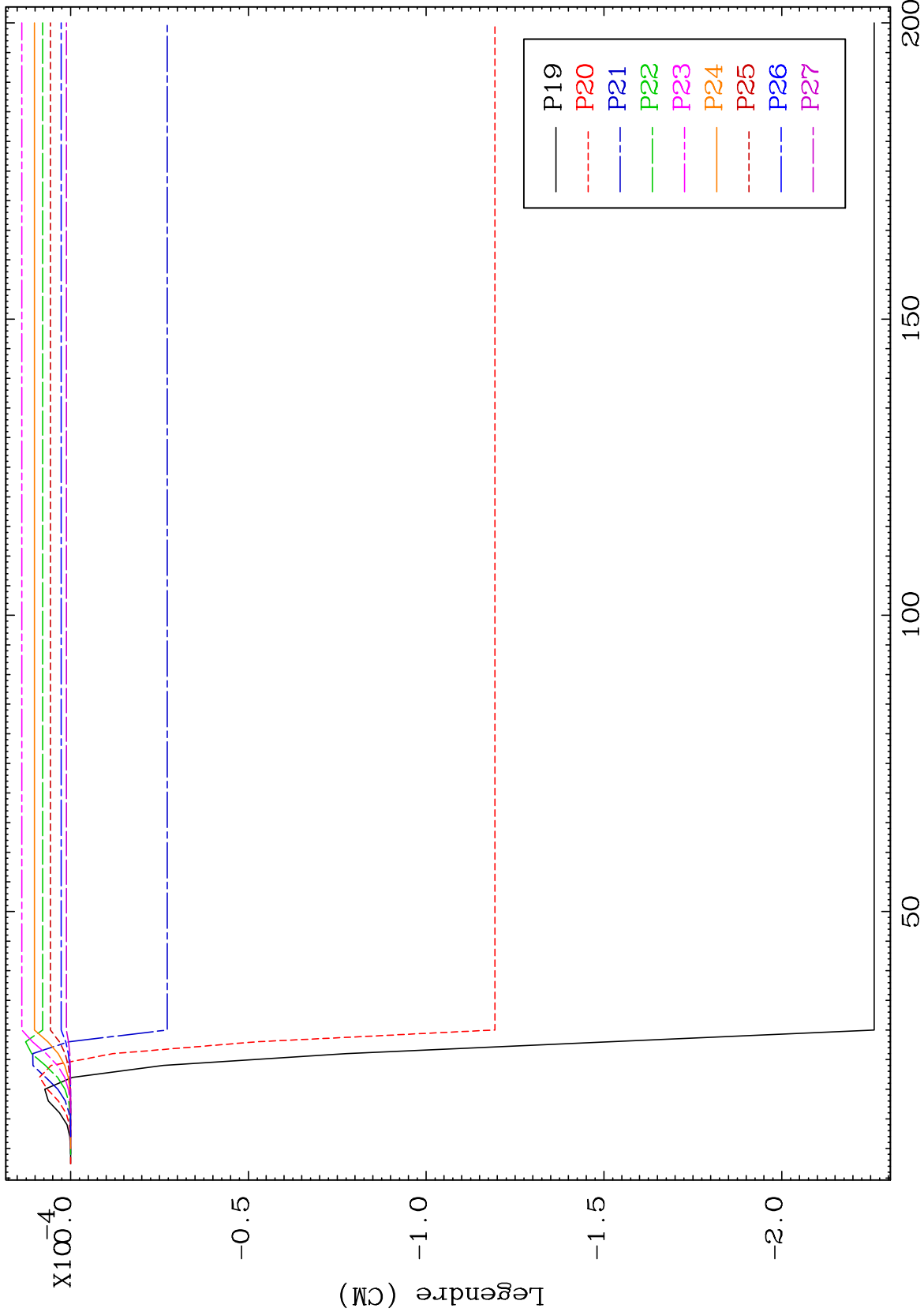
57-La-129

MAT 5698

MT= 59 (n,n') Level

57-La-129

Legendre Coefficients



54

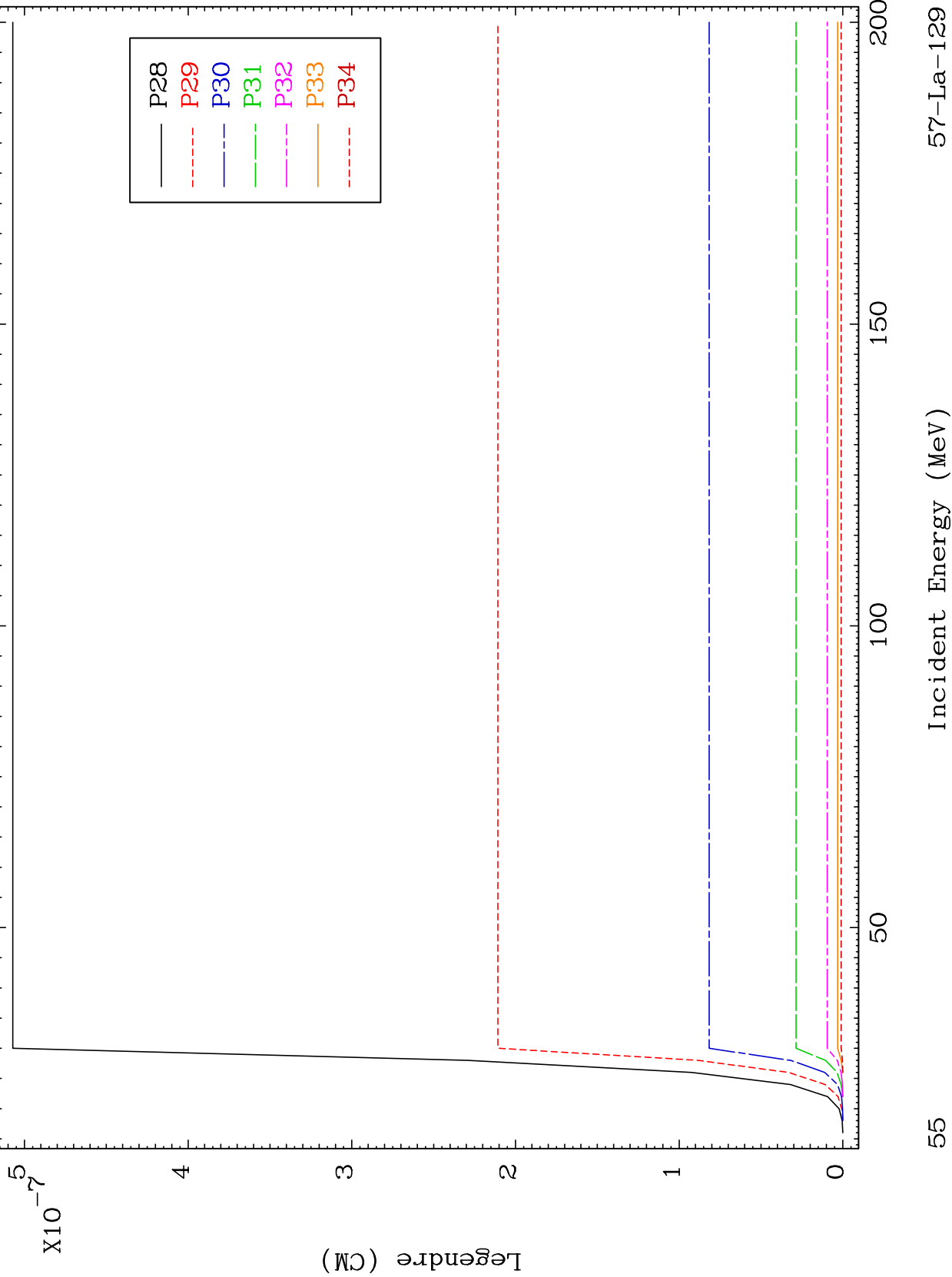
Incident Energy (MeV)

57-La-129

MAT 5698

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

57-La-129



55

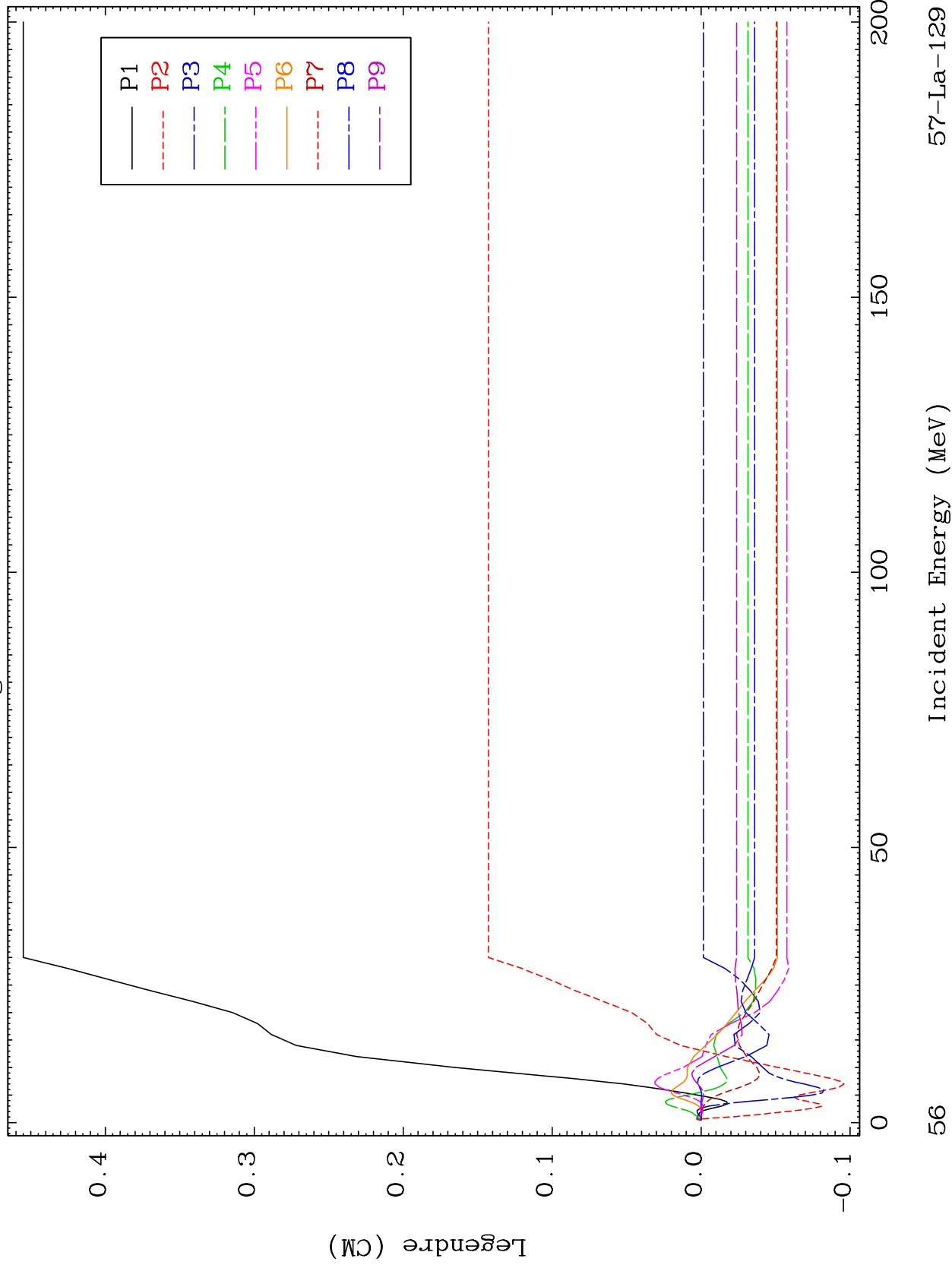
Incident Energy (MeV)

57-La-129

MAT 5698

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

57-La-129



57-La-129

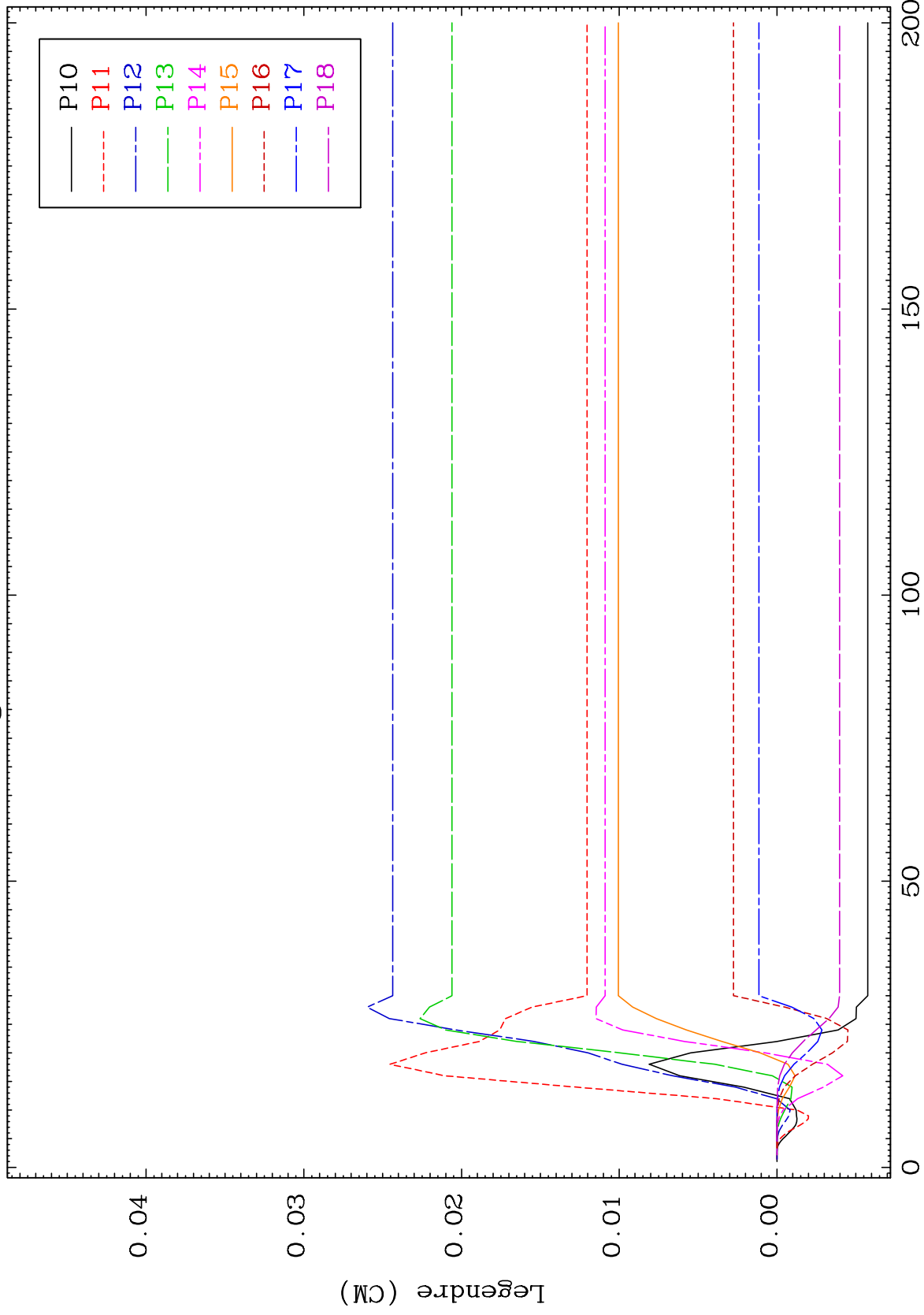
Incident Energy (MeV)

56

MAT 5698

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

57-La-129



57

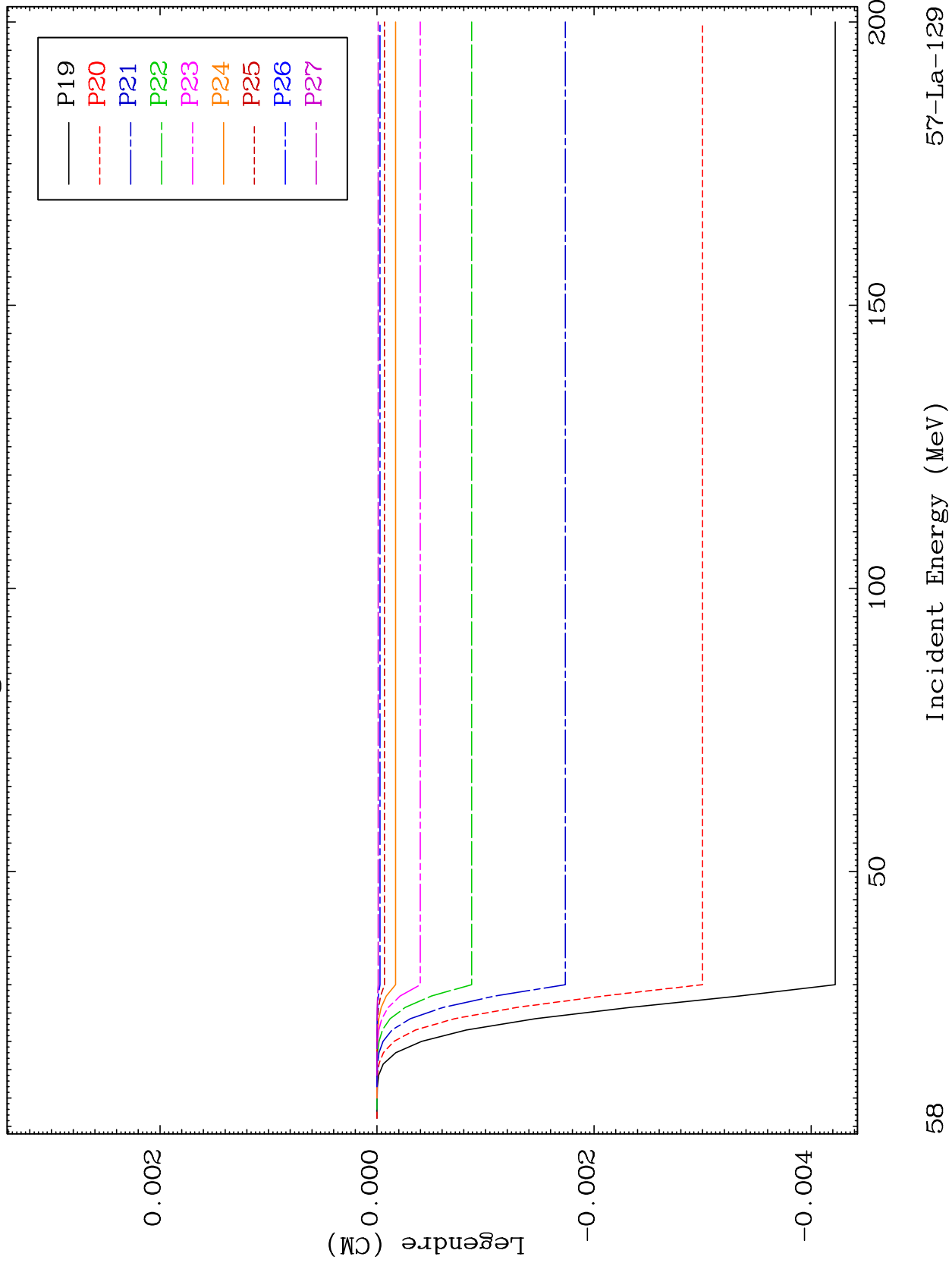
Incident Energy (MeV)

57-La-129

MAT 5698

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

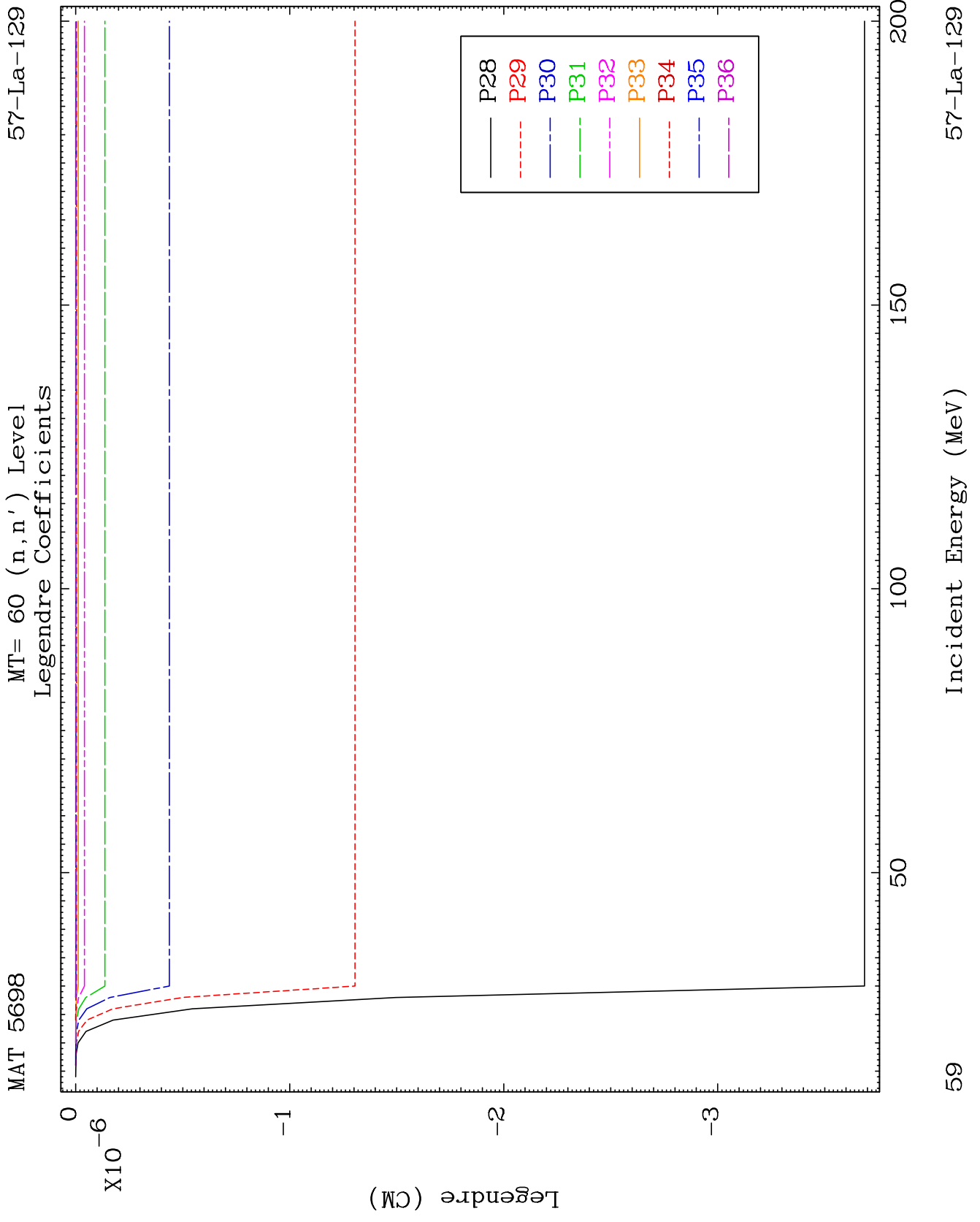
57-La-129



58

Incident Energy (MeV)

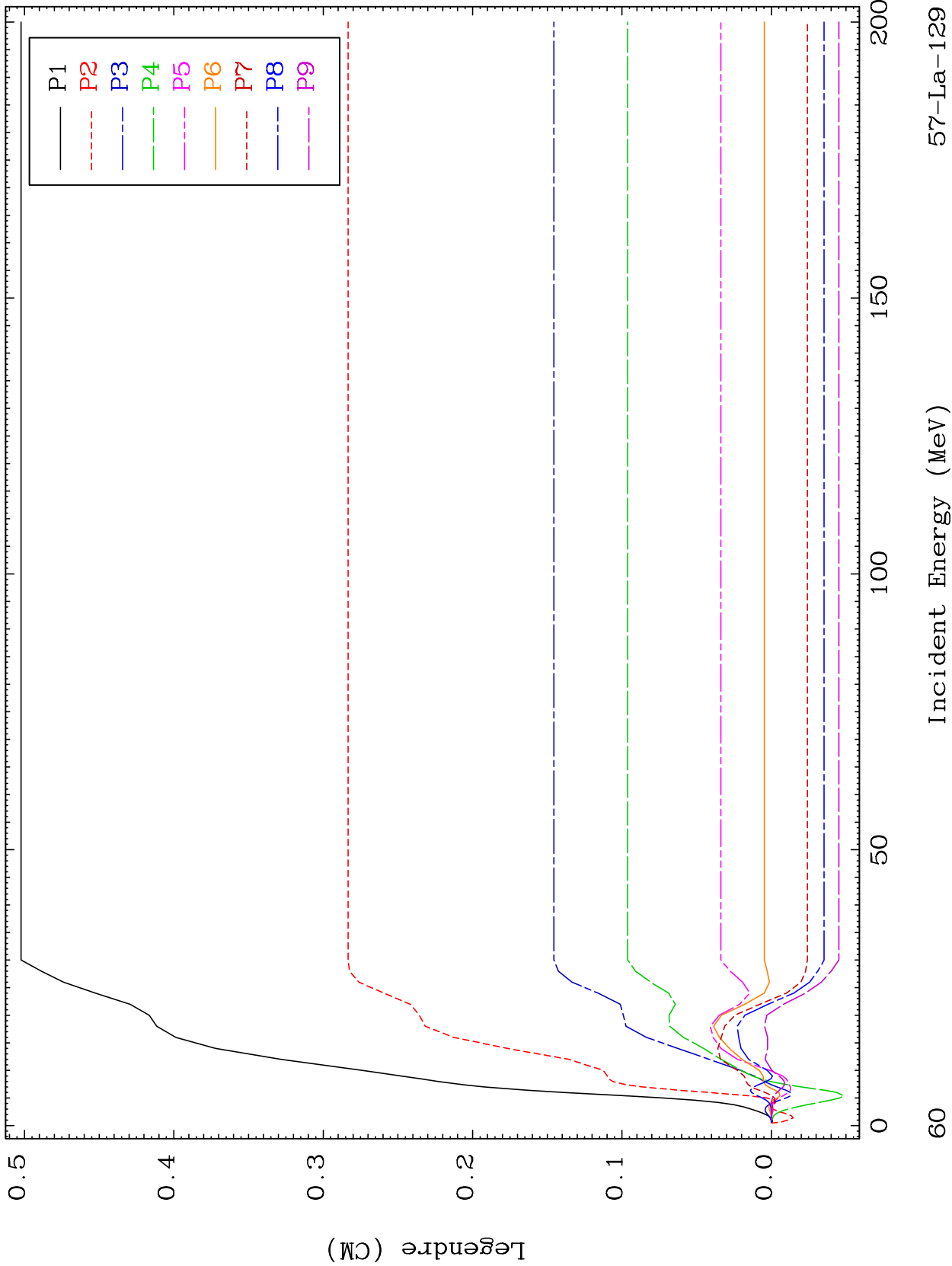
57-La-129



MAT 5698

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

57-La-129



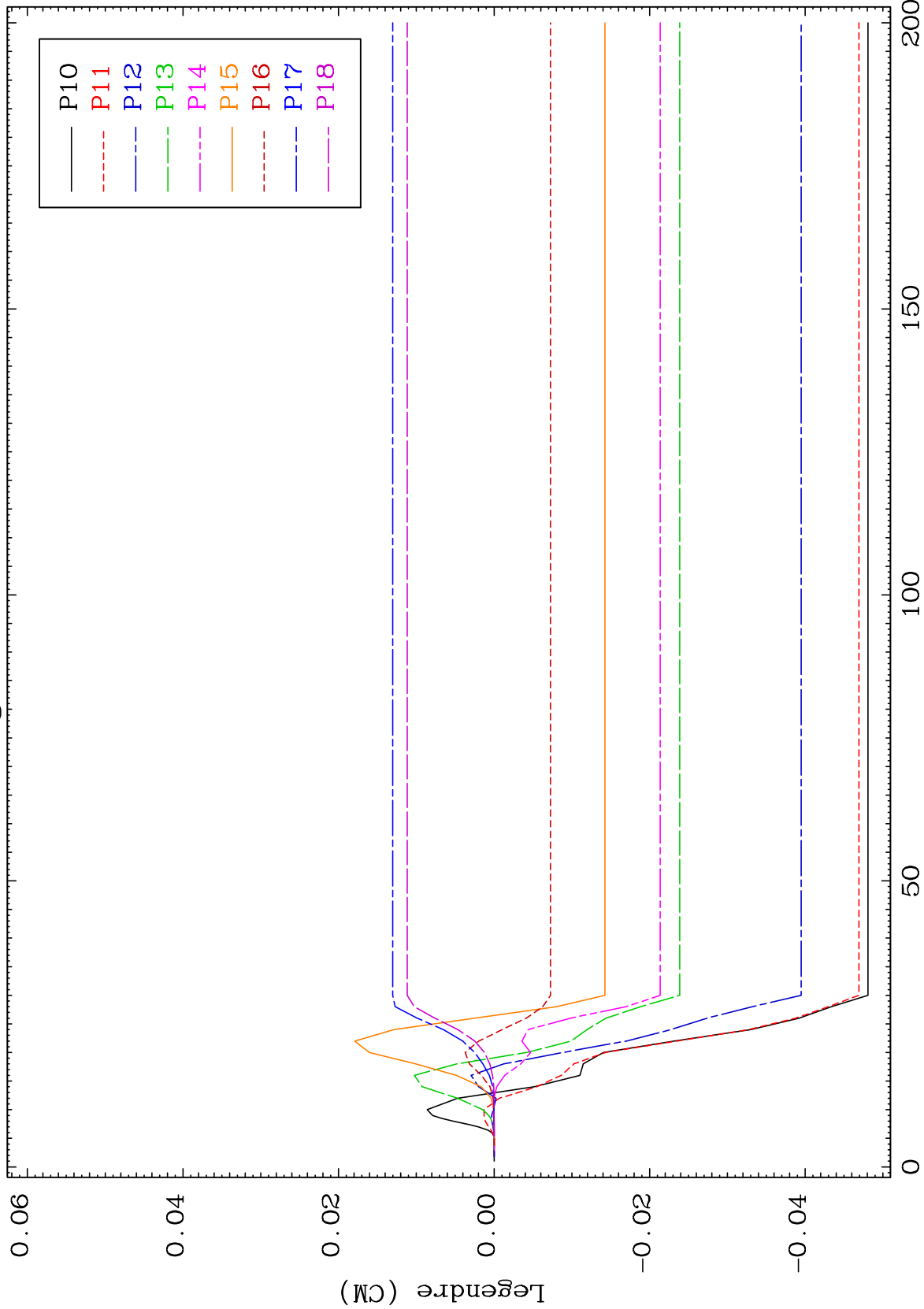
57-La-129

Incident Energy (MeV)

MAT 5698

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

57-La-129



61

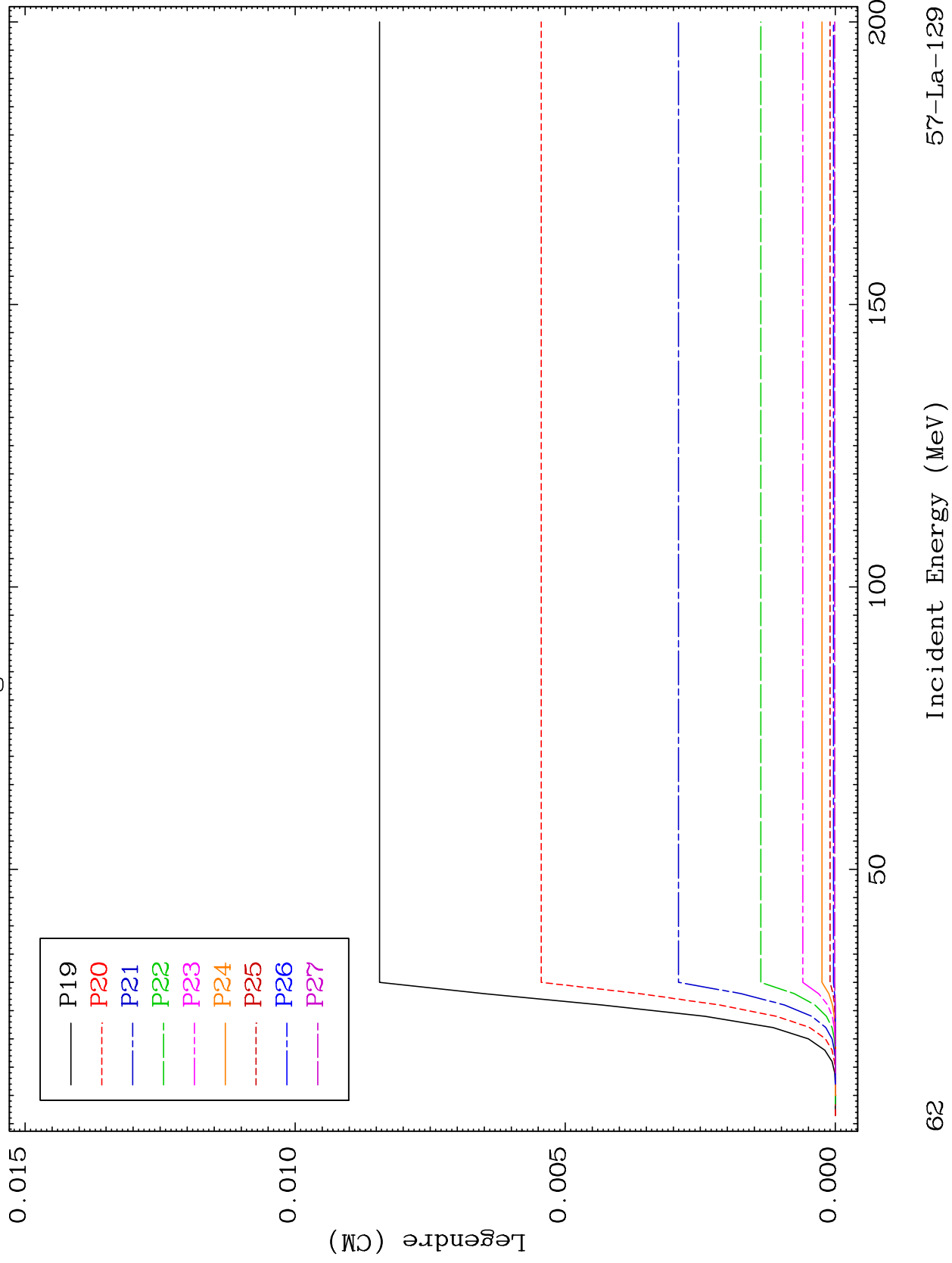
Incident Energy (MeV)

57-La-129

MAT 5698

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

57-La-129



62

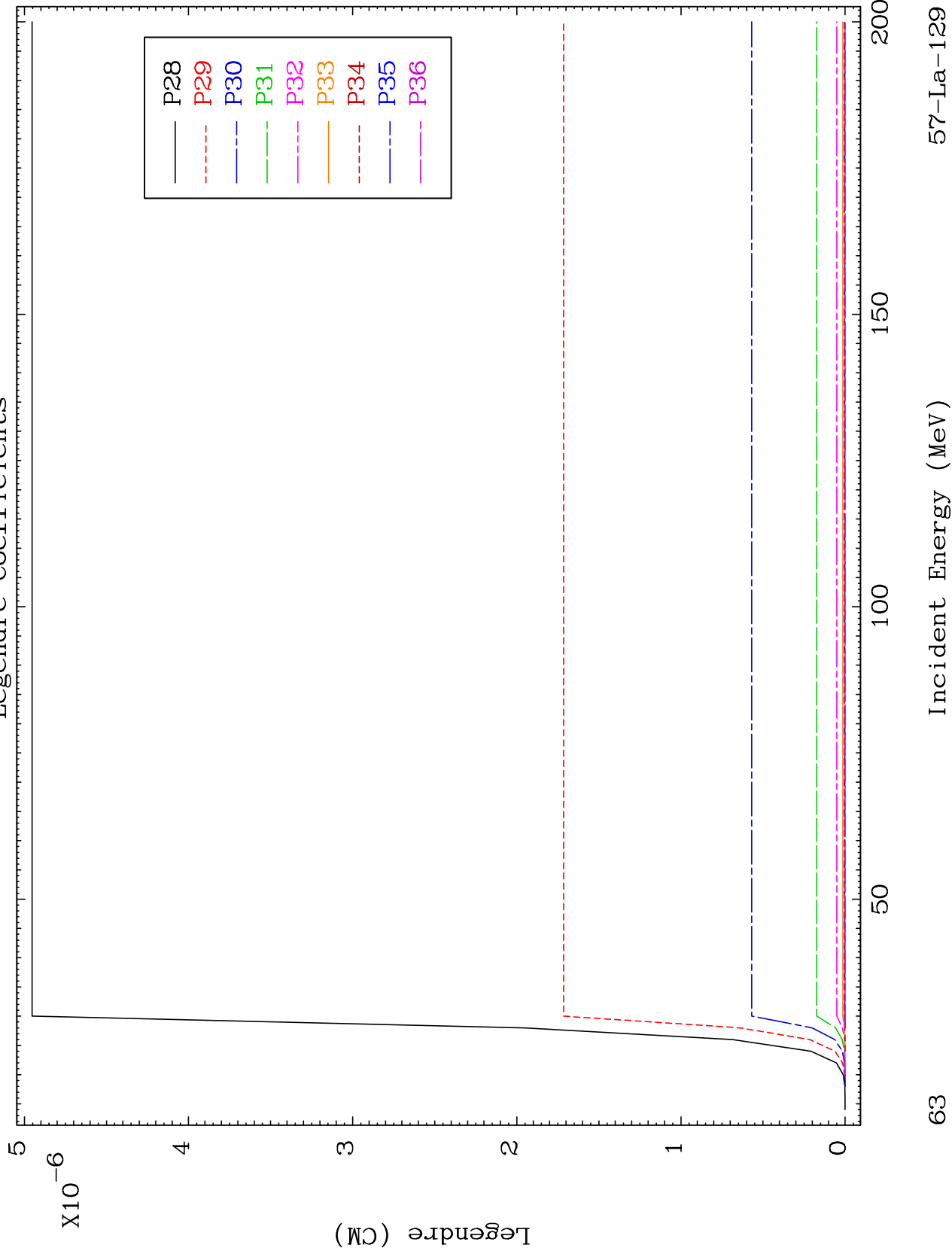
Incident Energy (MeV)

57-La-129

MAT 5698

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

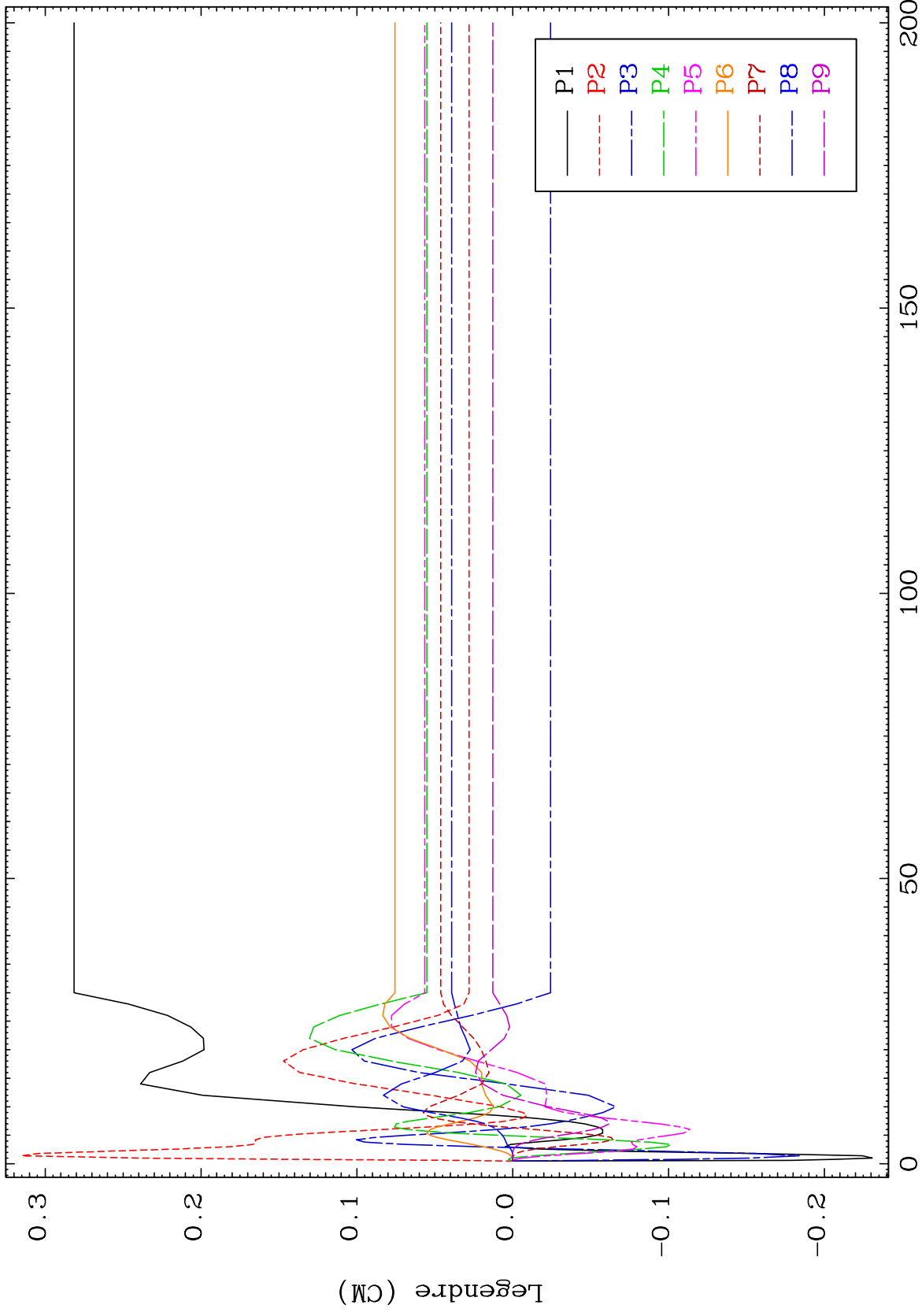
57-La-129



MAT 5698

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

57-La-129



57-La-129

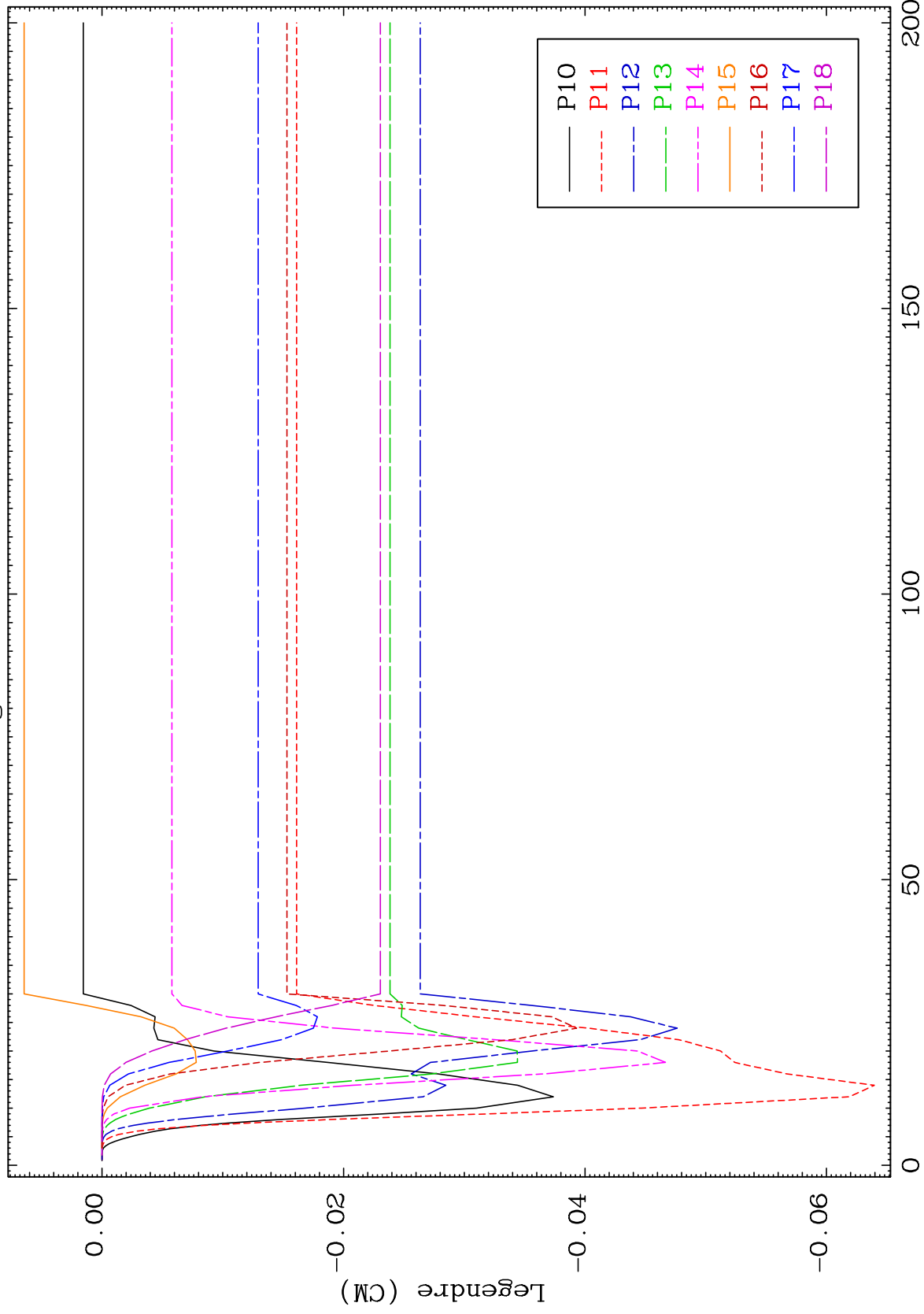
Incident Energy (MeV)

64

MAT 5698

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

57-La-129



65

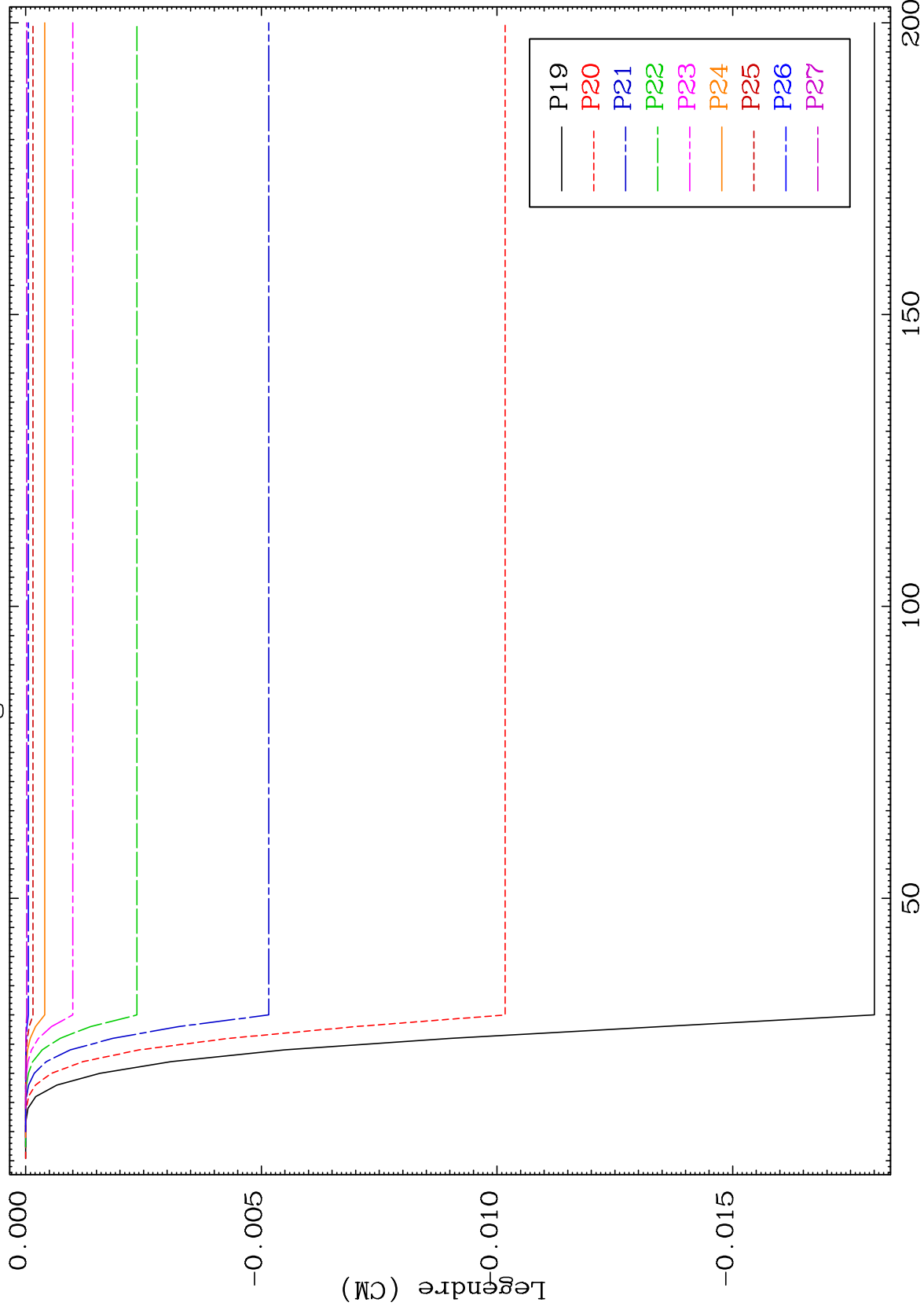
Incident Energy (MeV)

57-La-129

MAT 5698

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

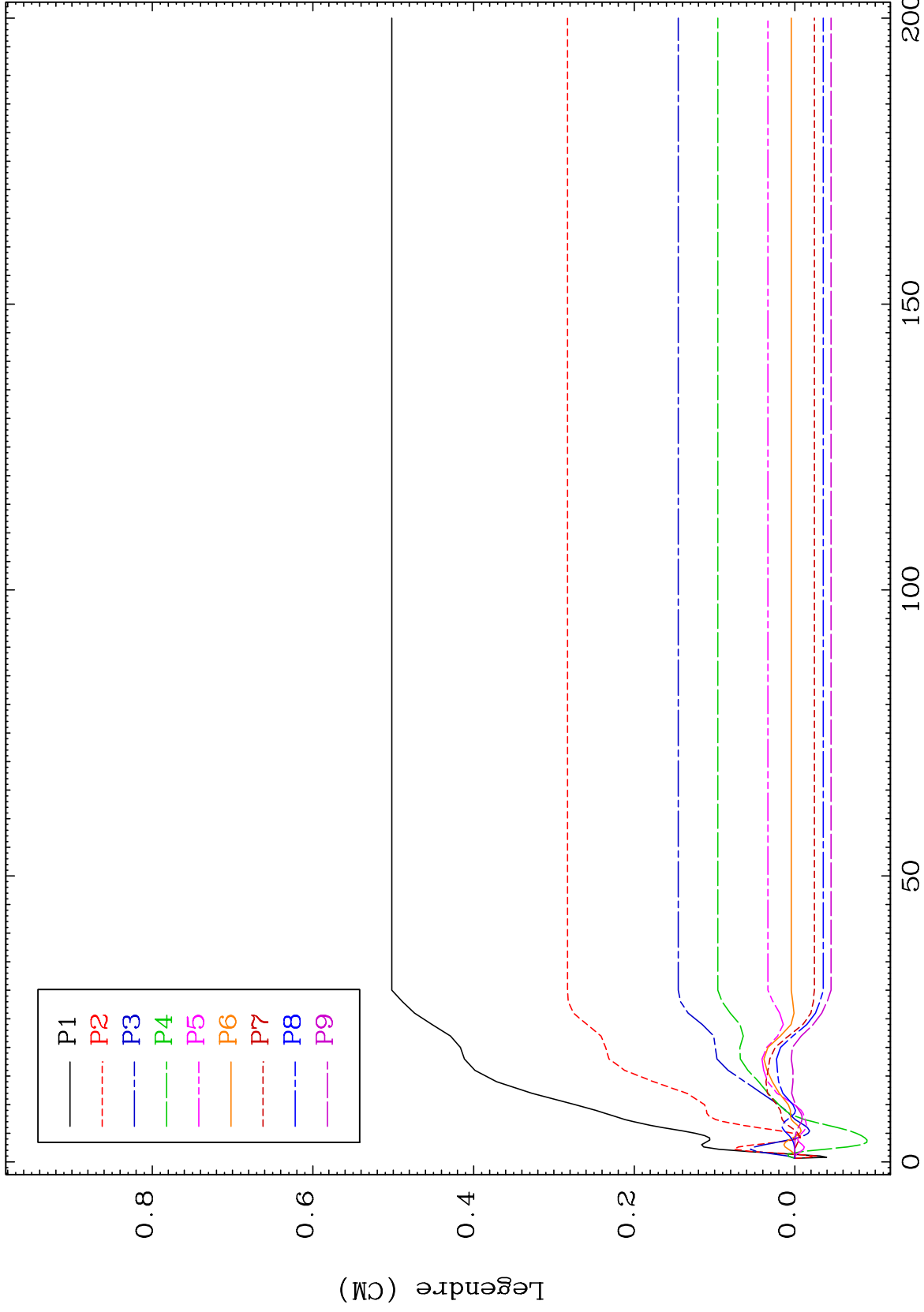
57-La-129



MAT 5698

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

57-La-129



68

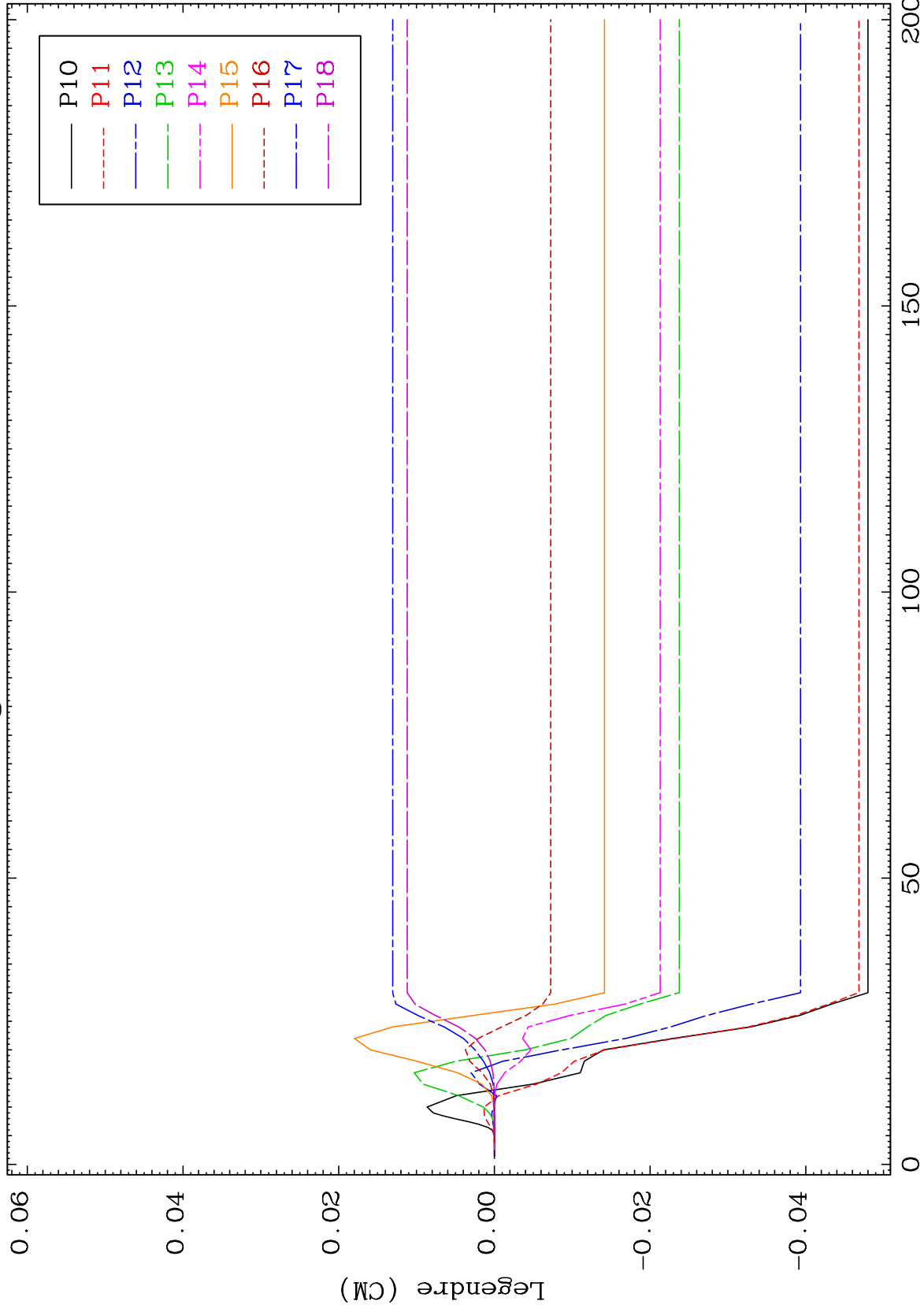
Incident Energy (MeV)

57-La-129

MAT 5698

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

57-La-129



69

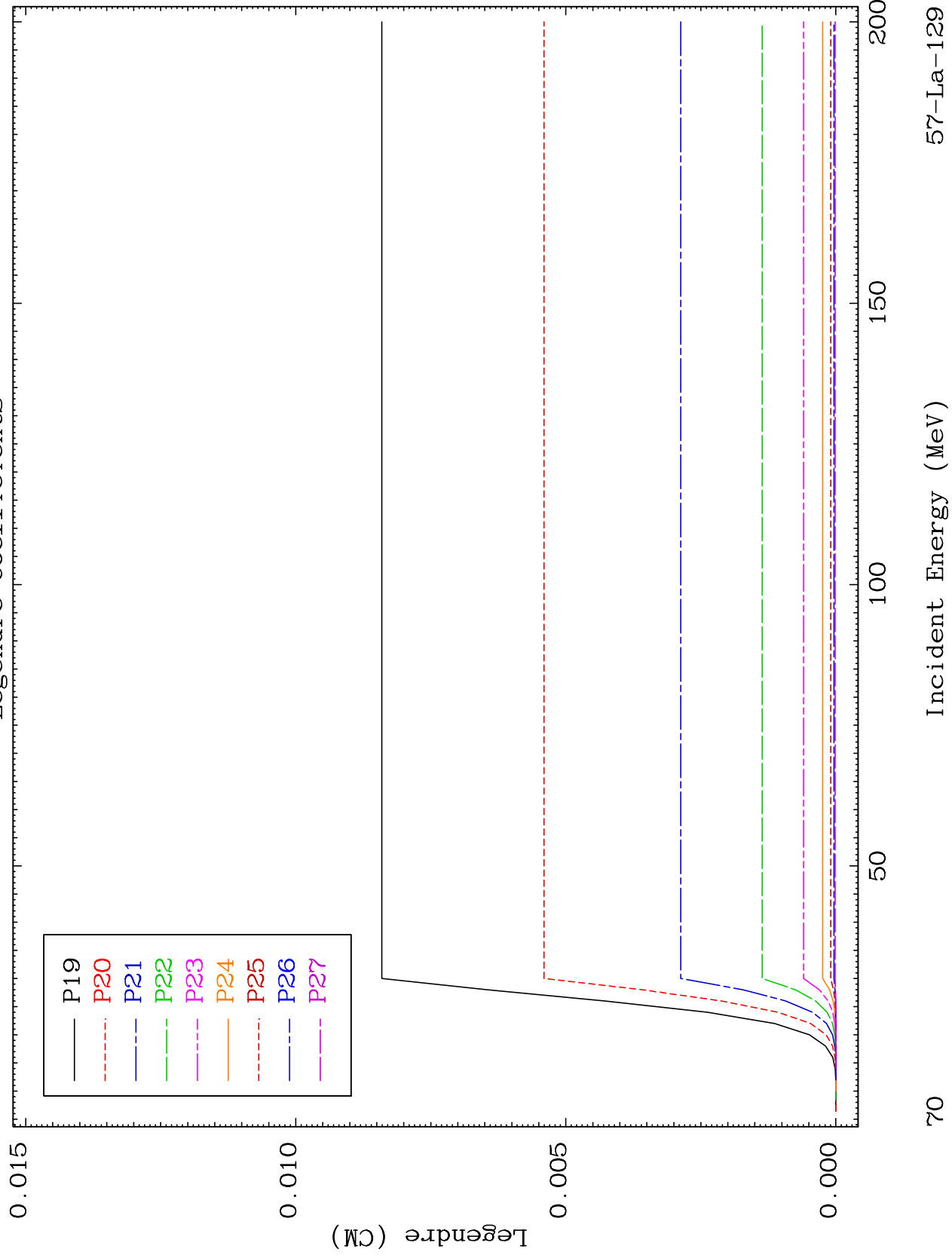
Incident Energy (MeV)

57-La-129

MAT 5698

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

57-La-129



57-La-129

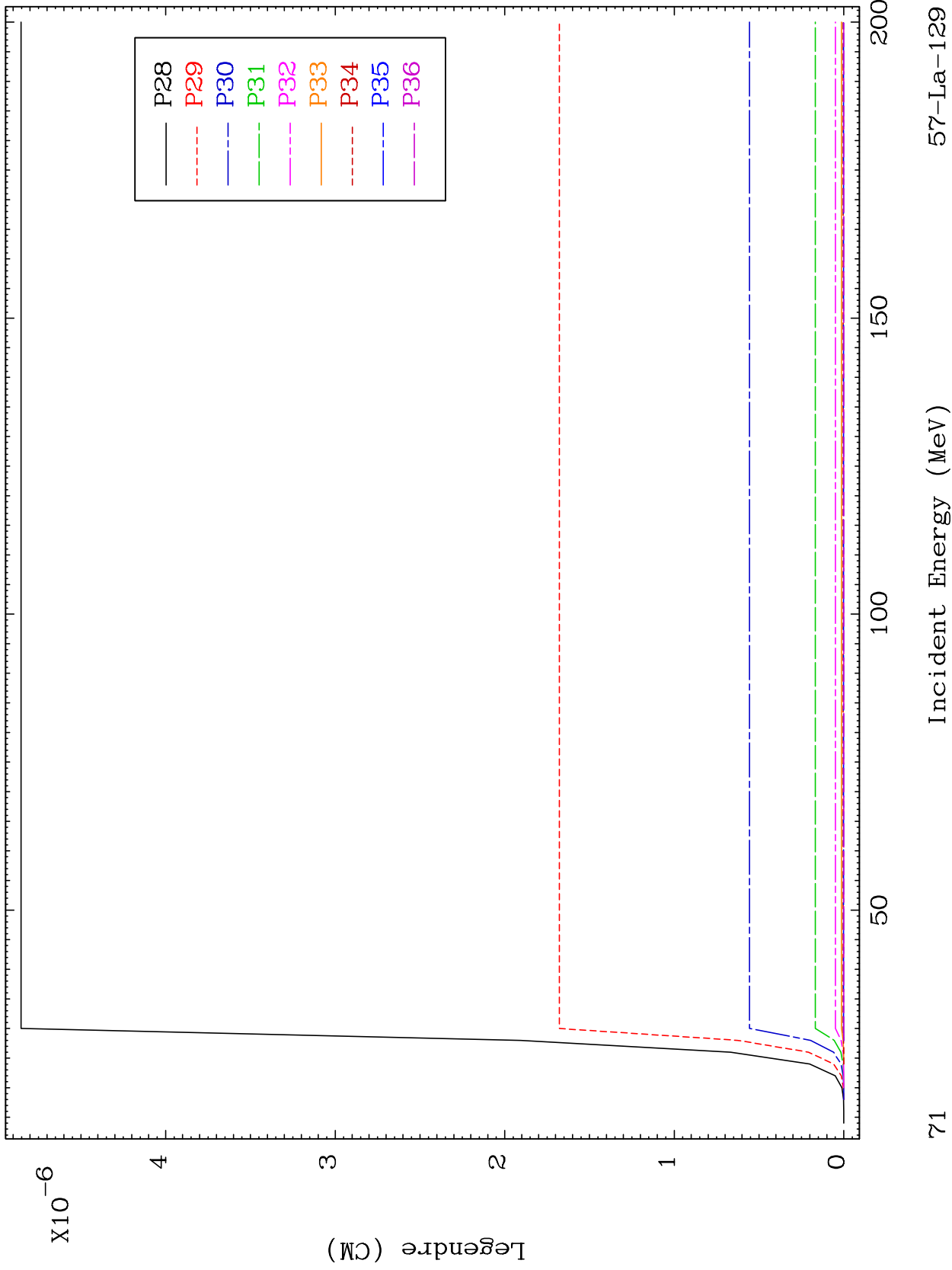
Incident Energy (MeV)

70

MAT 5698

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

57-La-129



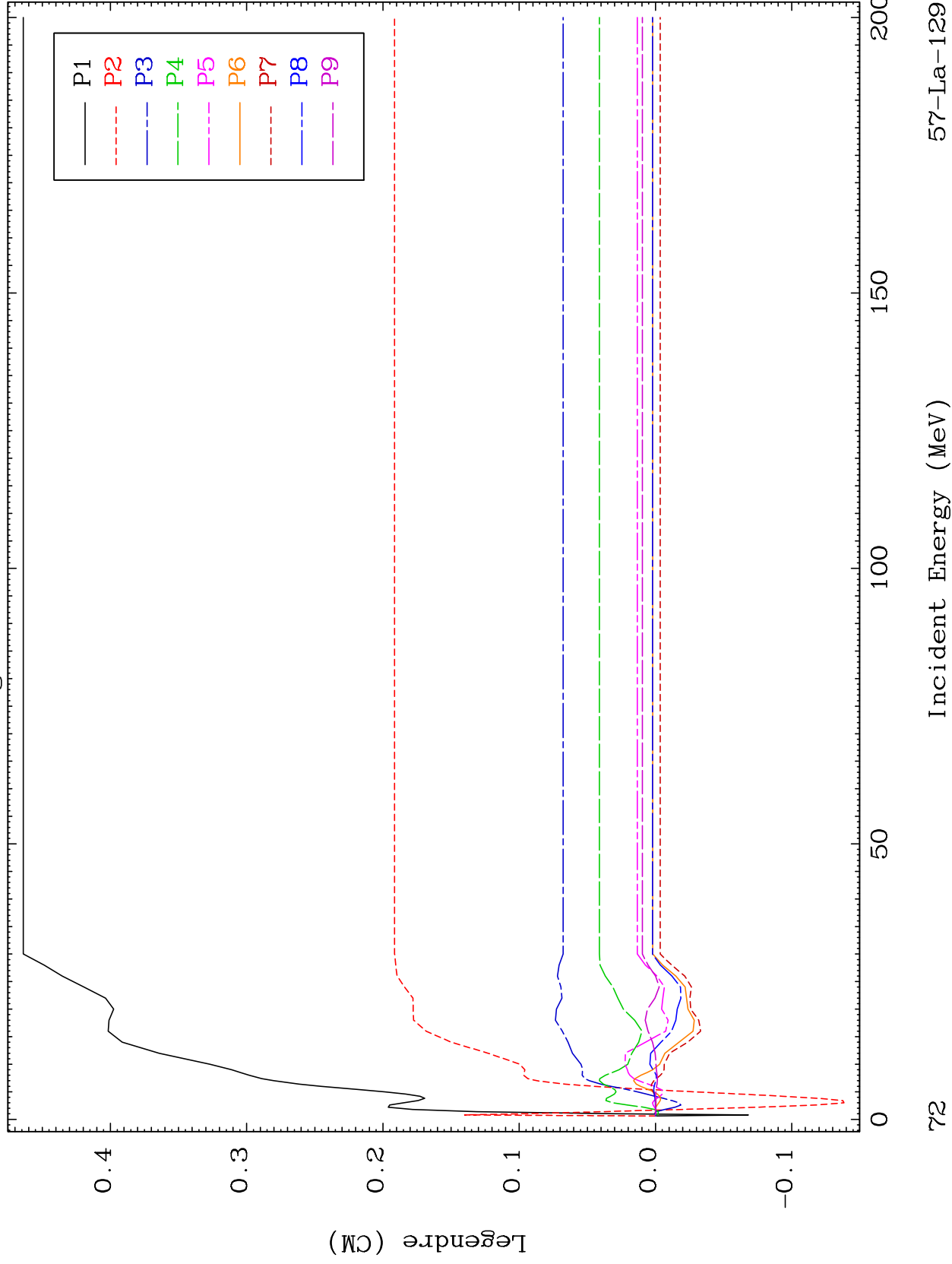
71

57-La-129

MAT 5698

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

57-La-129



57-La-129

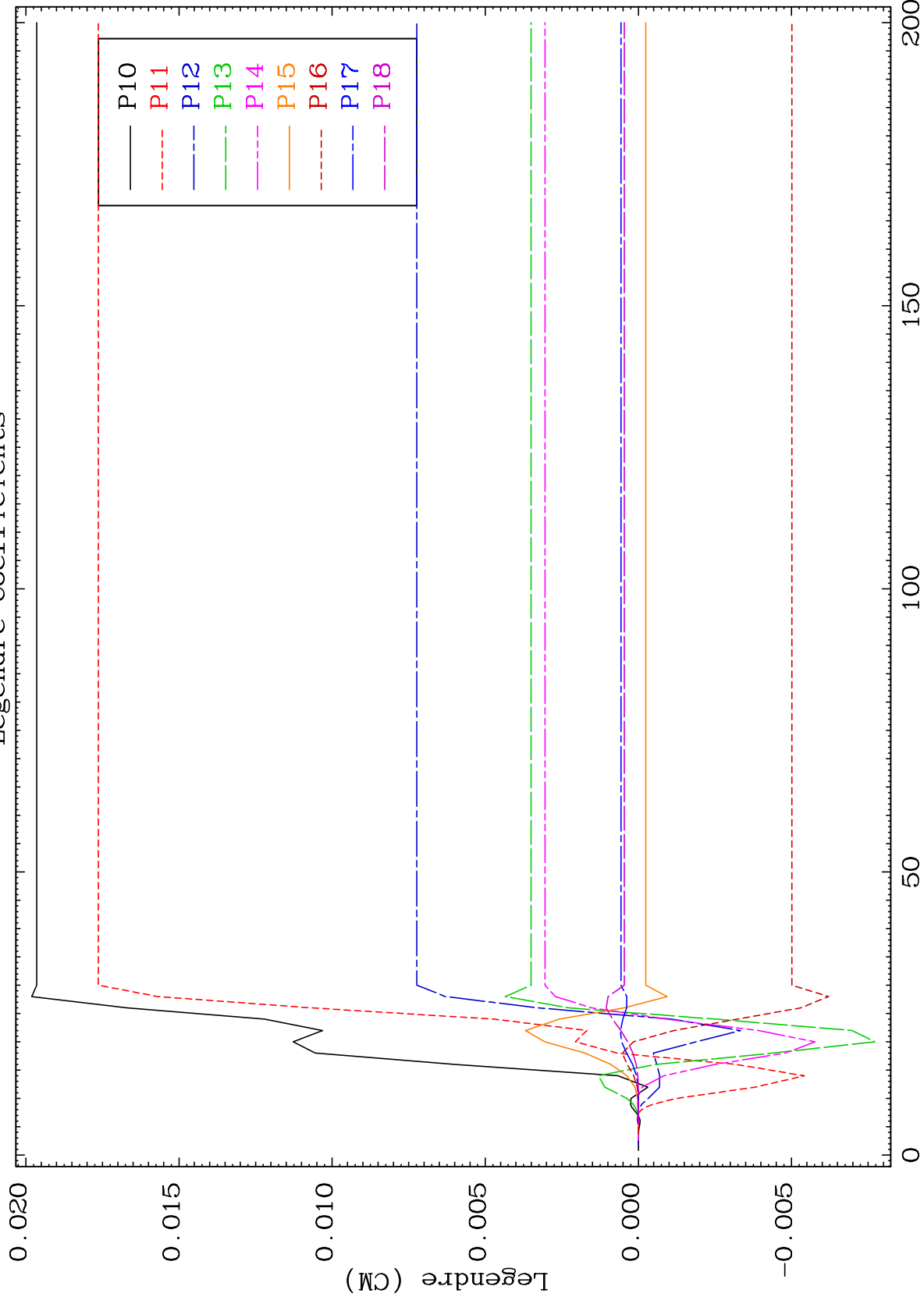
Incident Energy (MeV)

72

MAT 5698

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

57-La-129



73

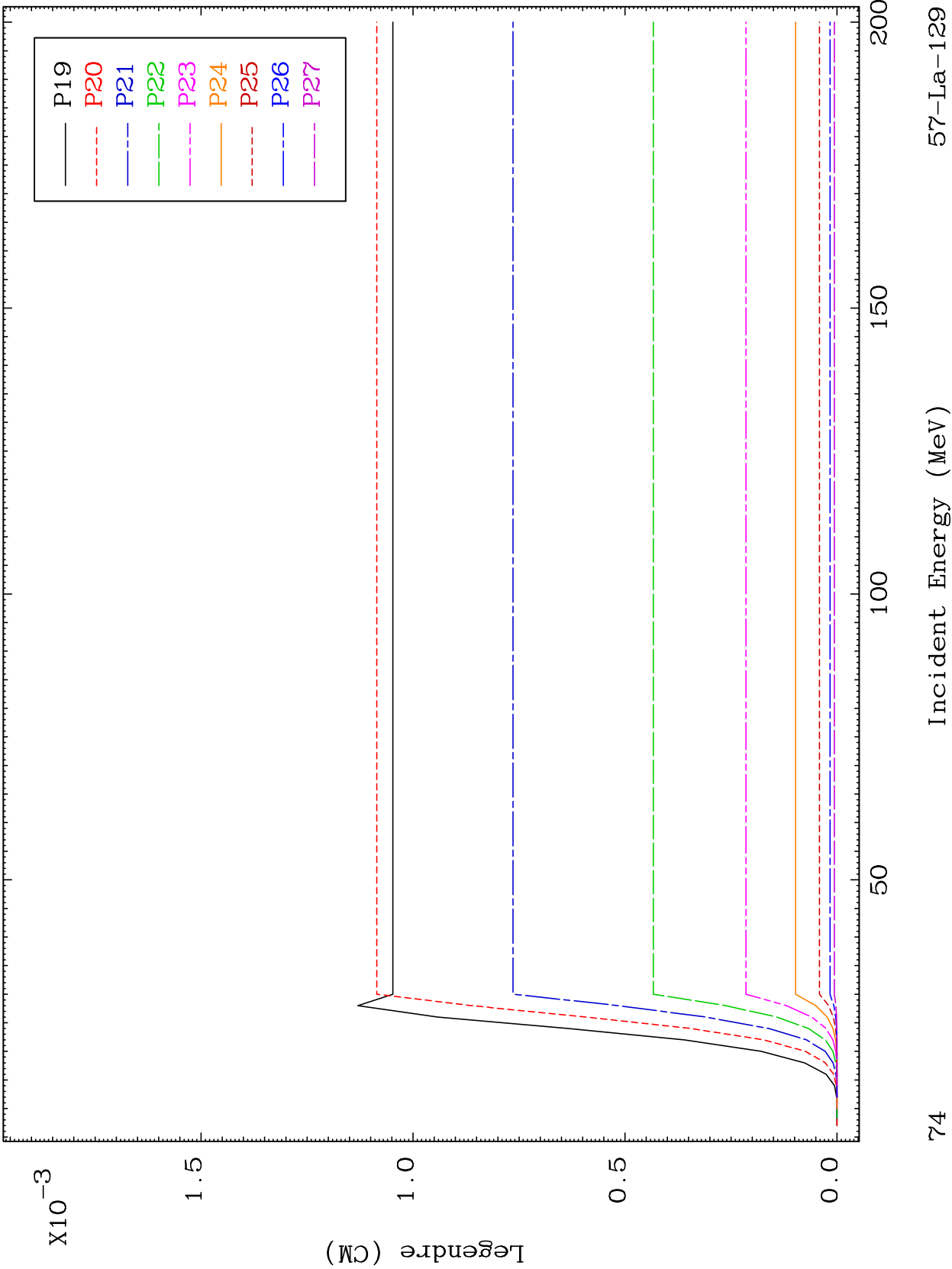
Incident Energy (MeV)

57-La-129

MAT 5698

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

57-La-129



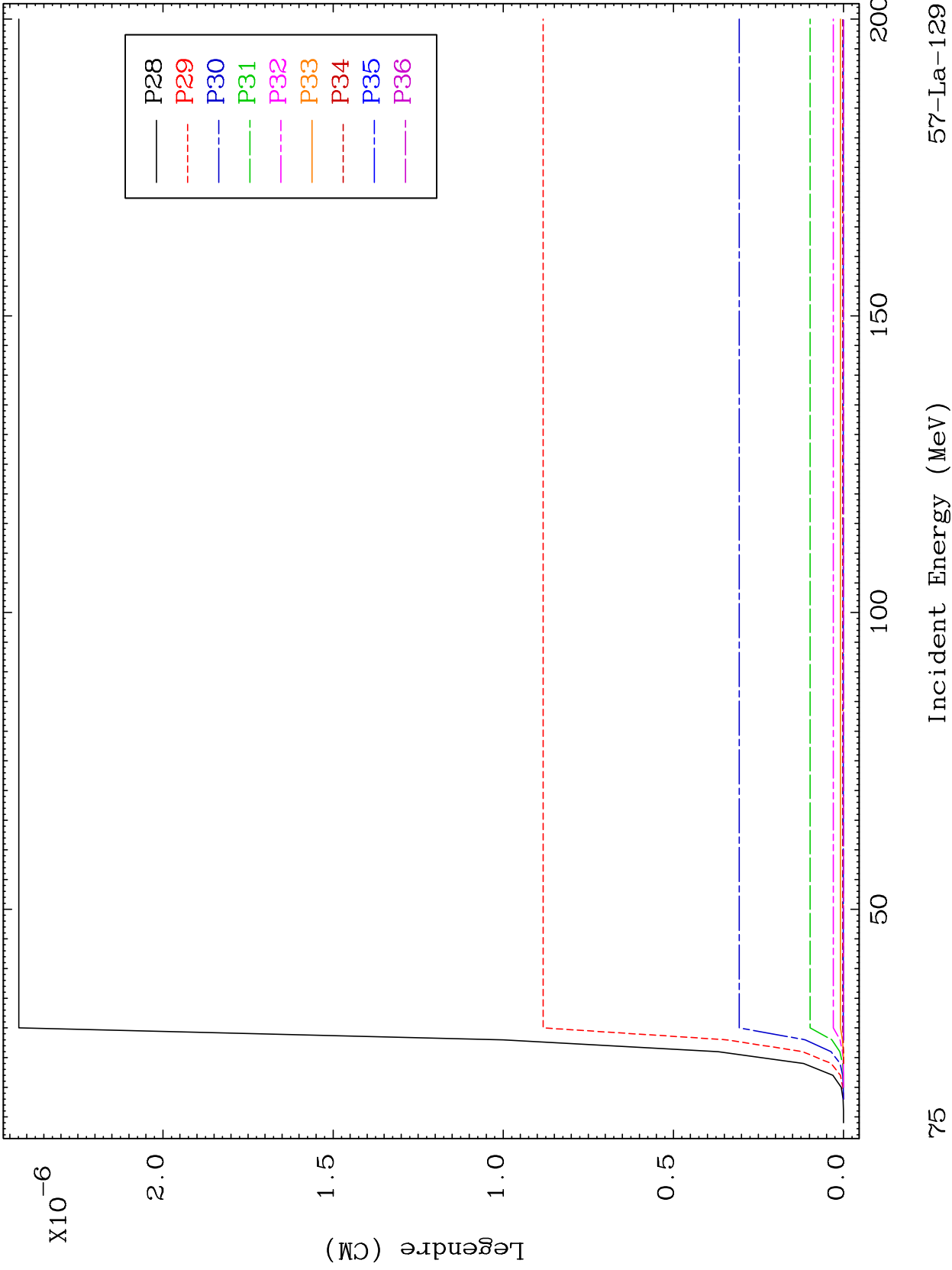
74

57-La-129

MAT 5698

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

57-La-129



75

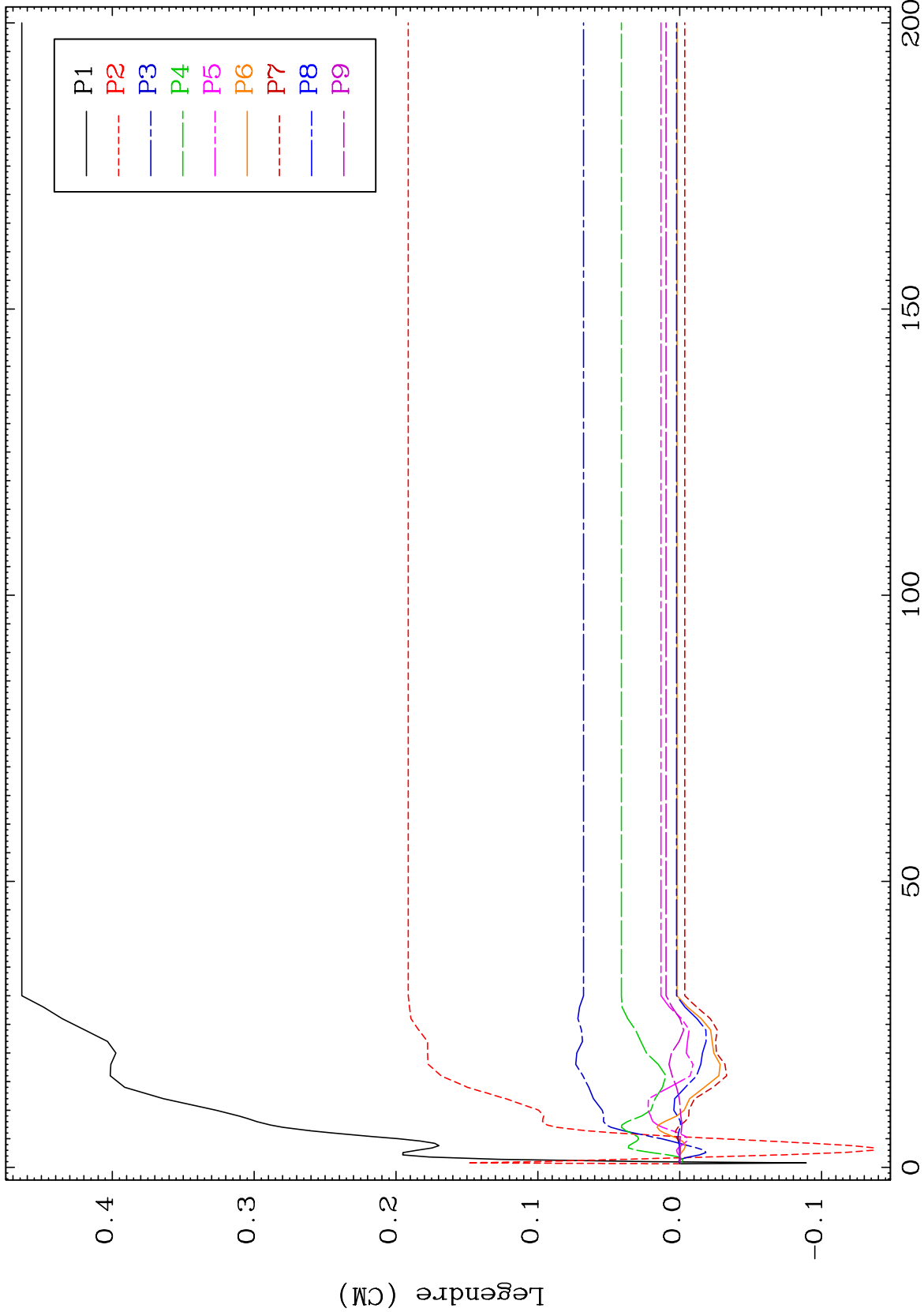
Incident Energy (MeV)

57-La-129

MAT 5698

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

57-La-129



76

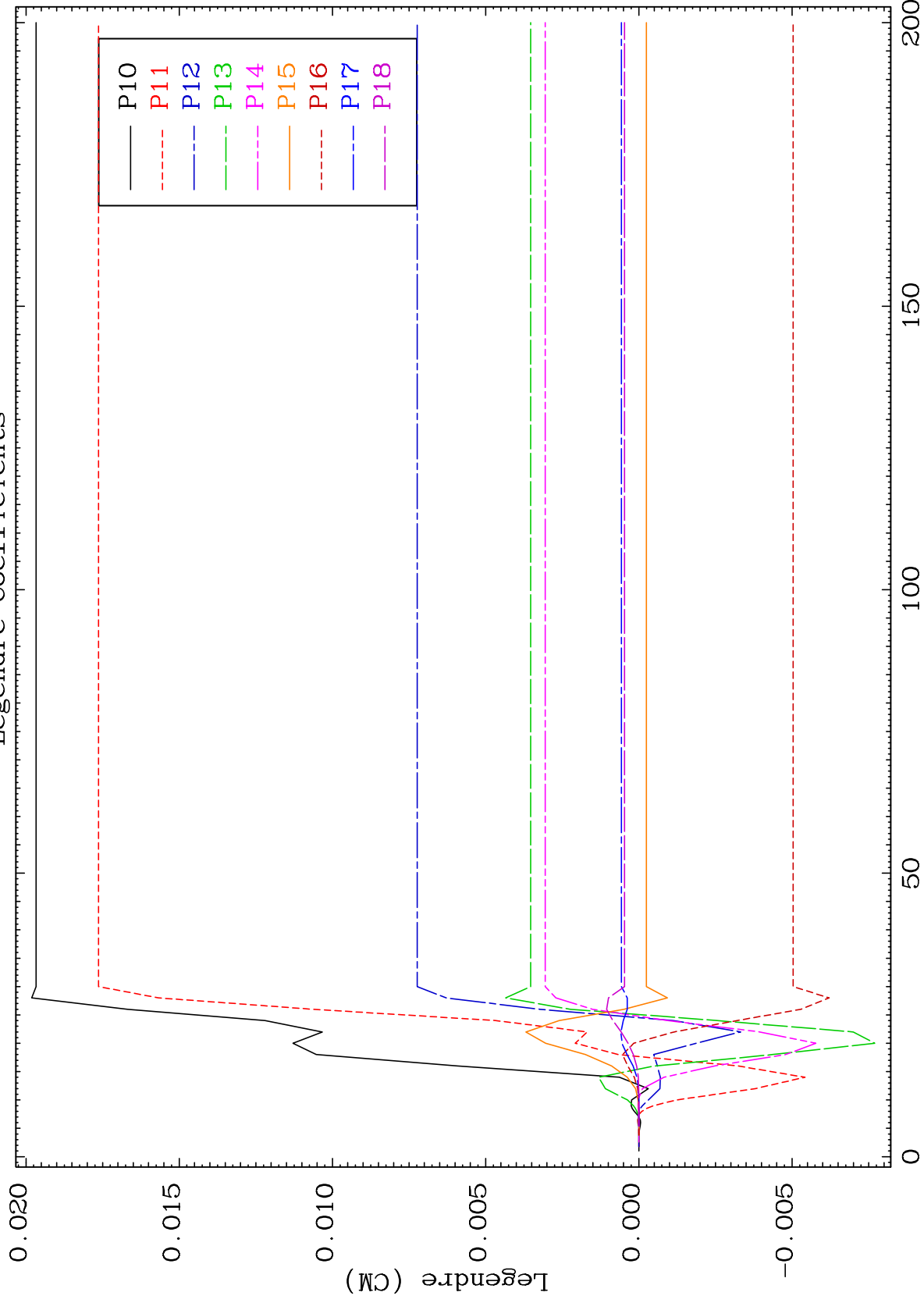
Incident Energy (MeV)

57-La-129

MAT 5698

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

57-La-129



77

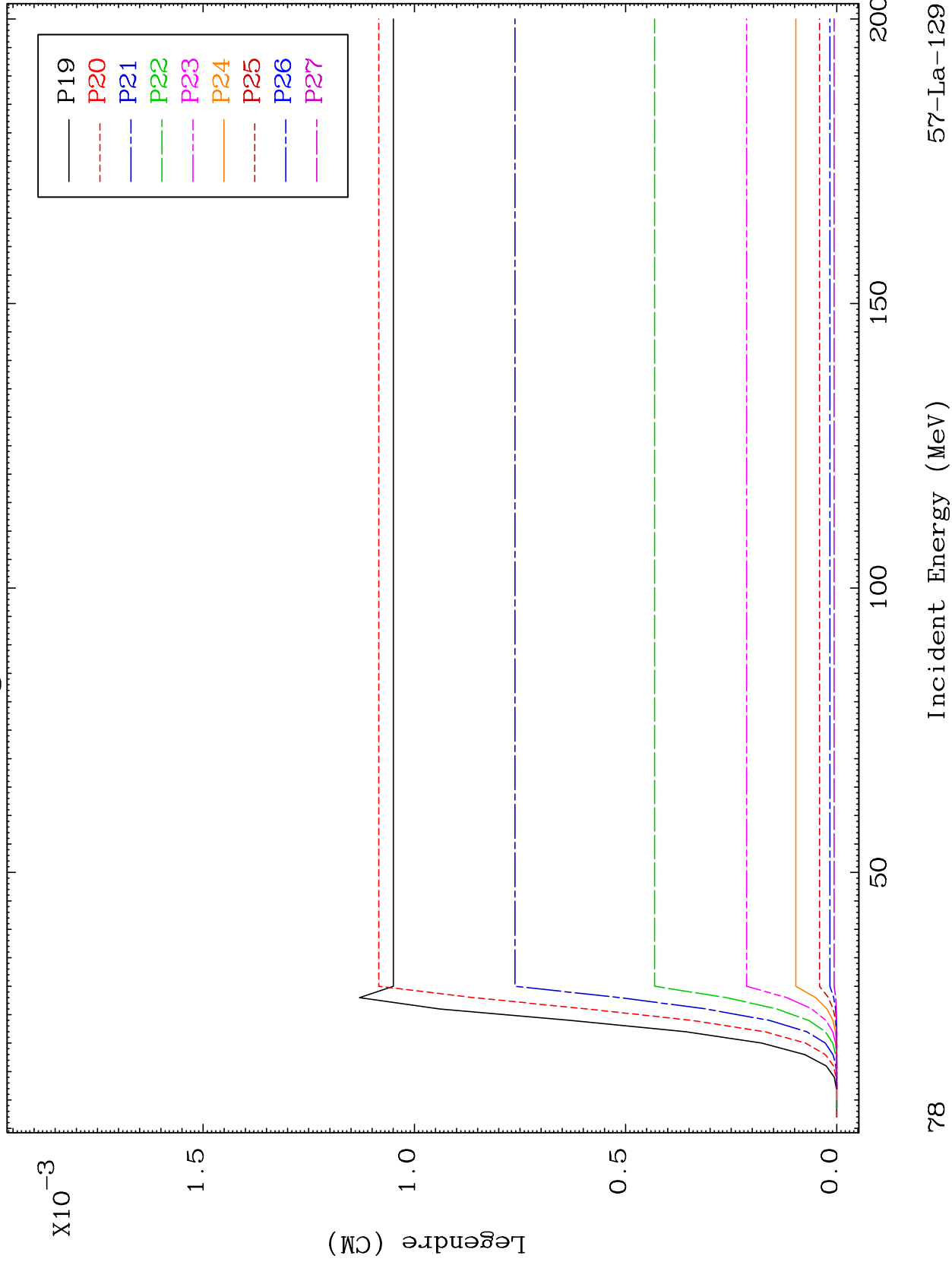
Incident Energy (MeV)

57-La-129

MAT 5698

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

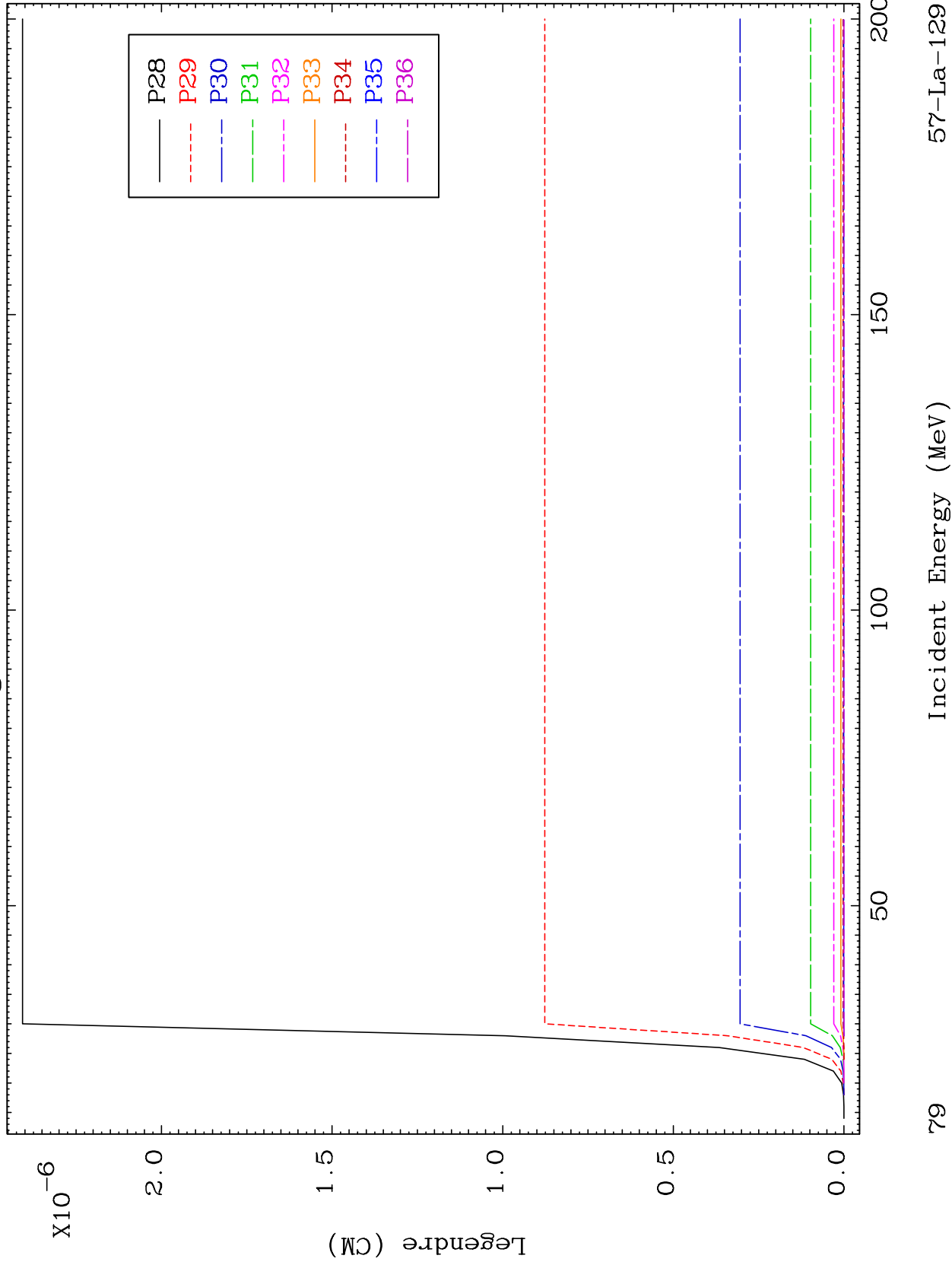
57-La-129



MAT 5698

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

57-La-129



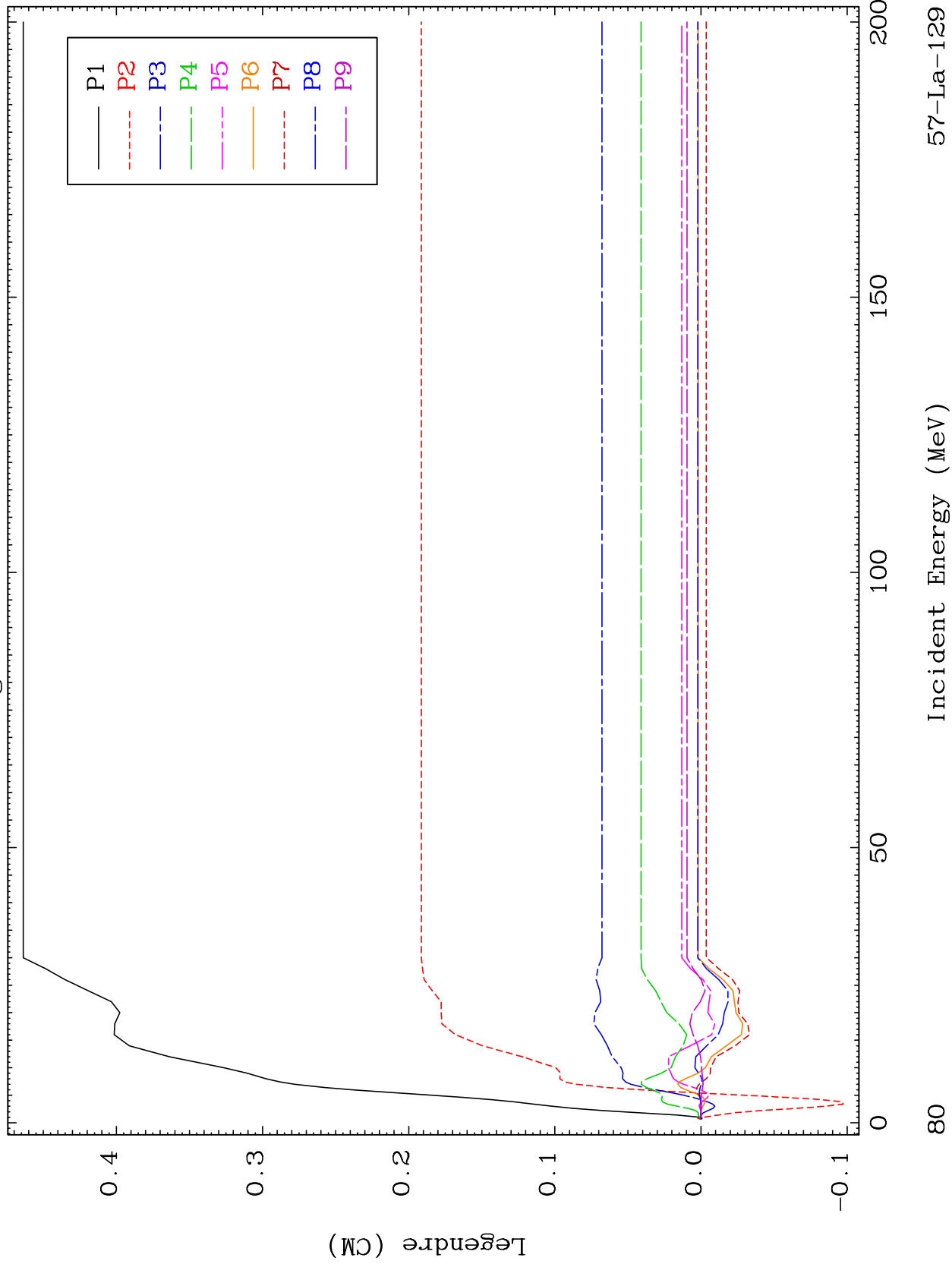
79

57-La-129

MAT 5698

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

57-La-129

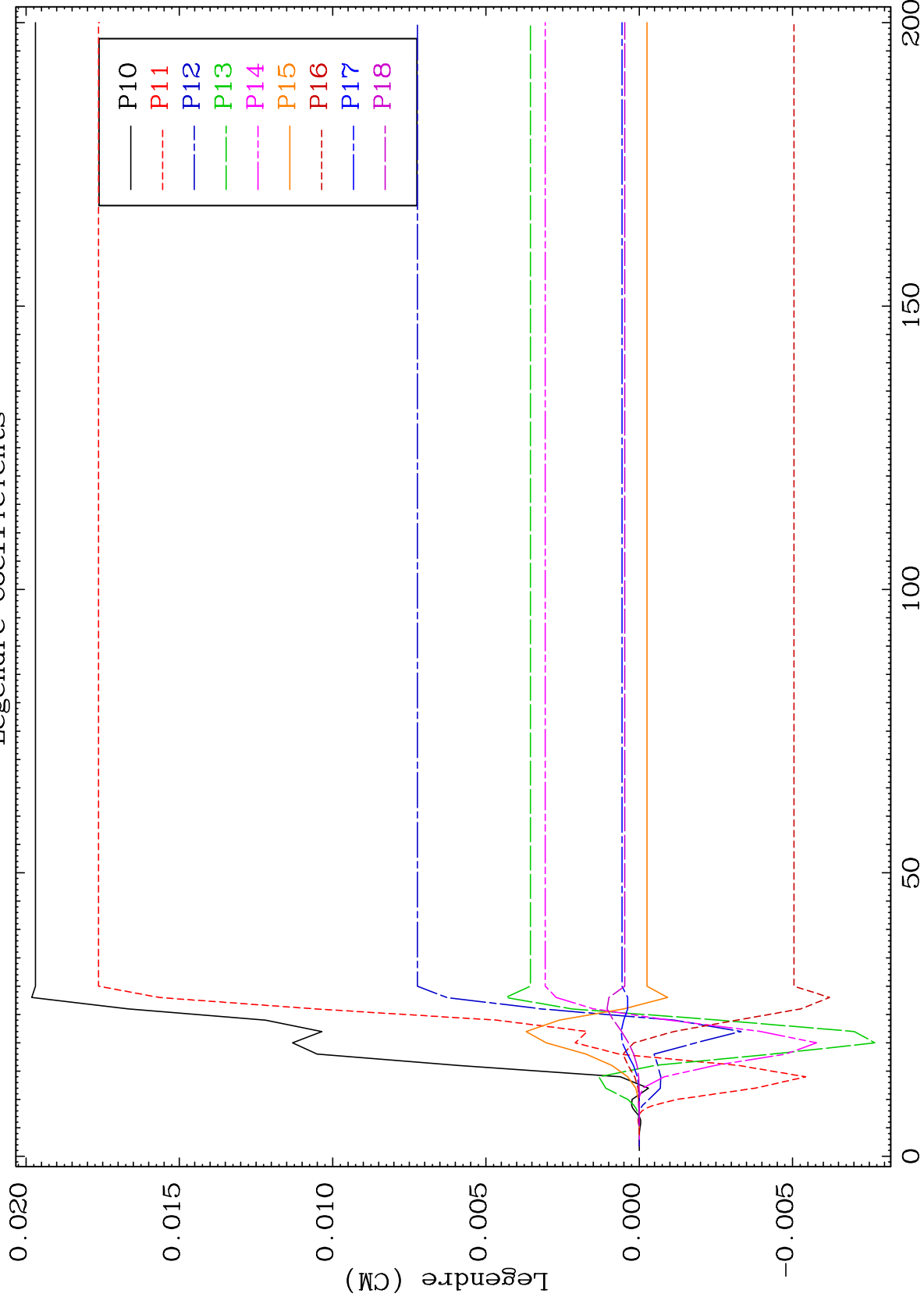


57-La-129

MAT 5698

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

57-La-129



81

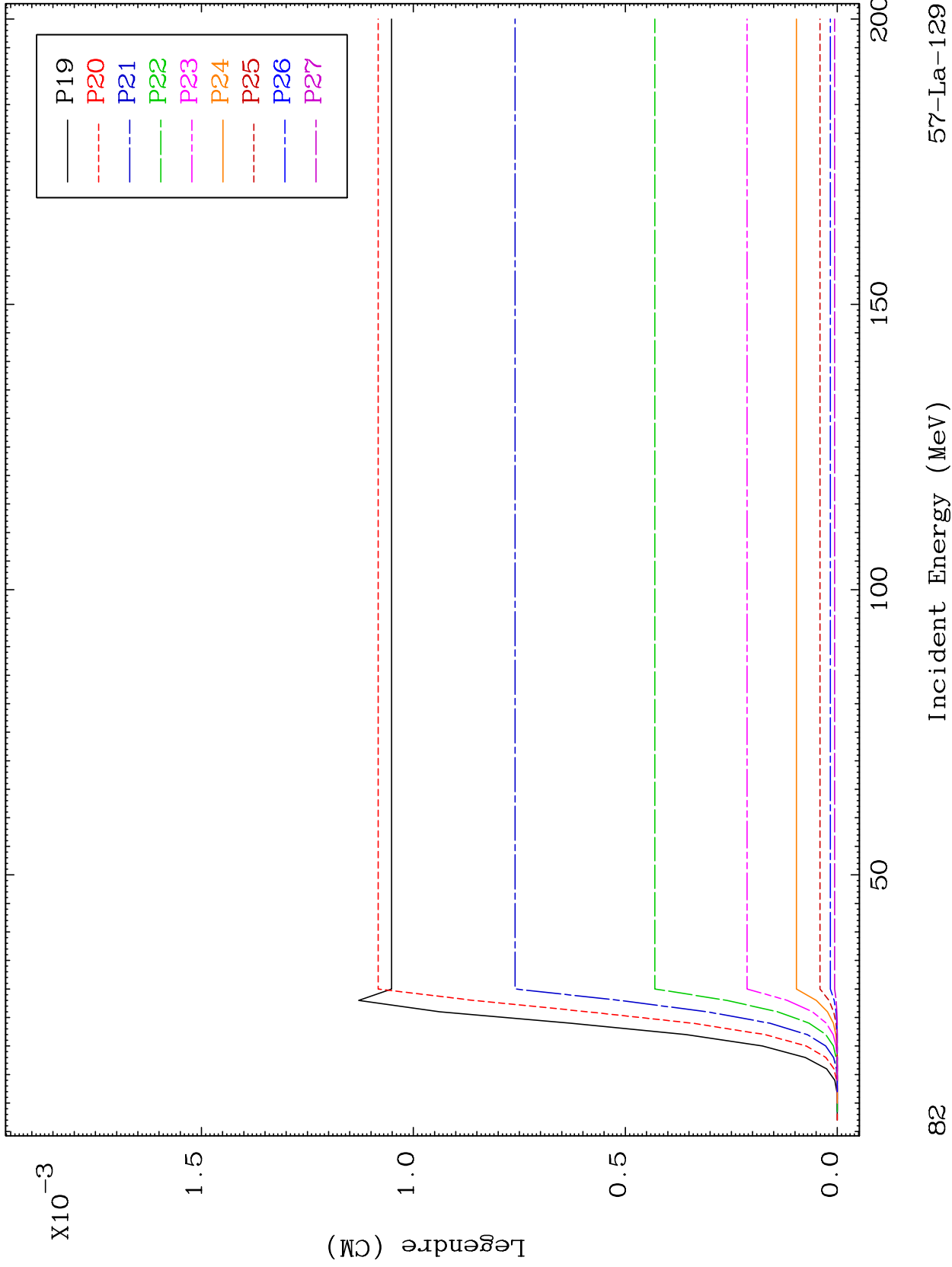
Incident Energy (MeV)

57-La-129

MAT 5698

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

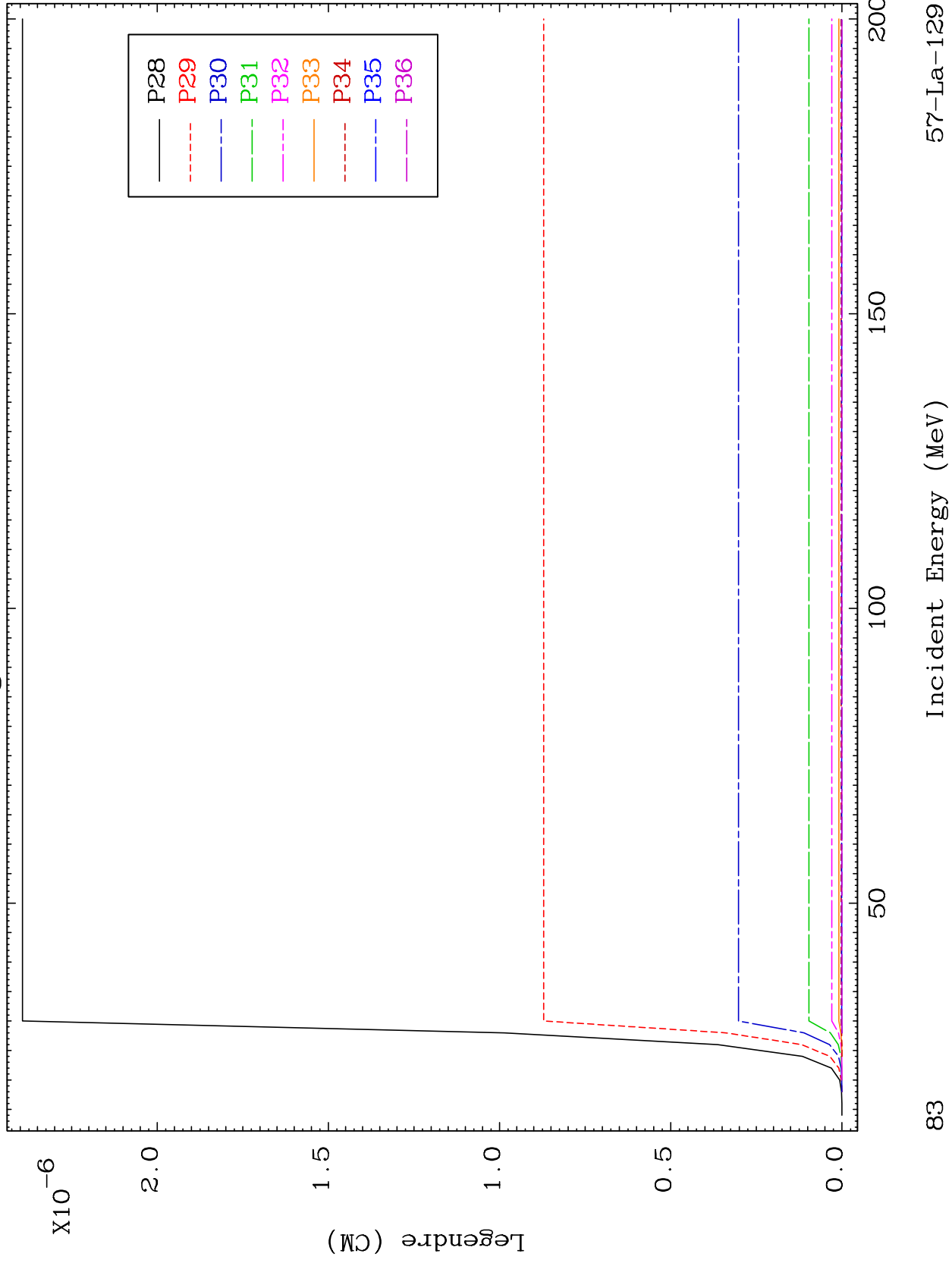
57-La-129



MAT 5698

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

57-La-129



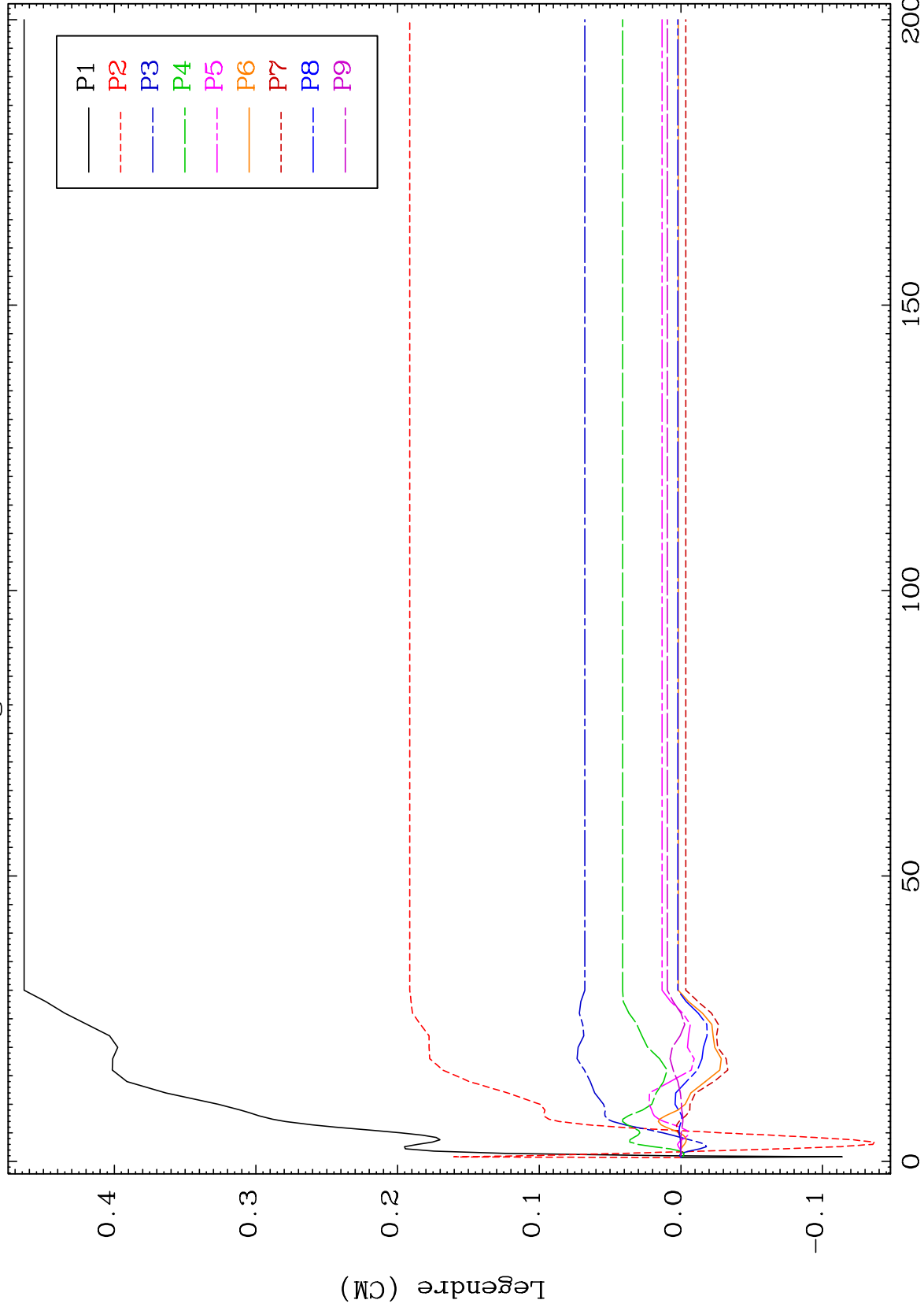
83

57-La-129

MAT 5698

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

57-La-129



84

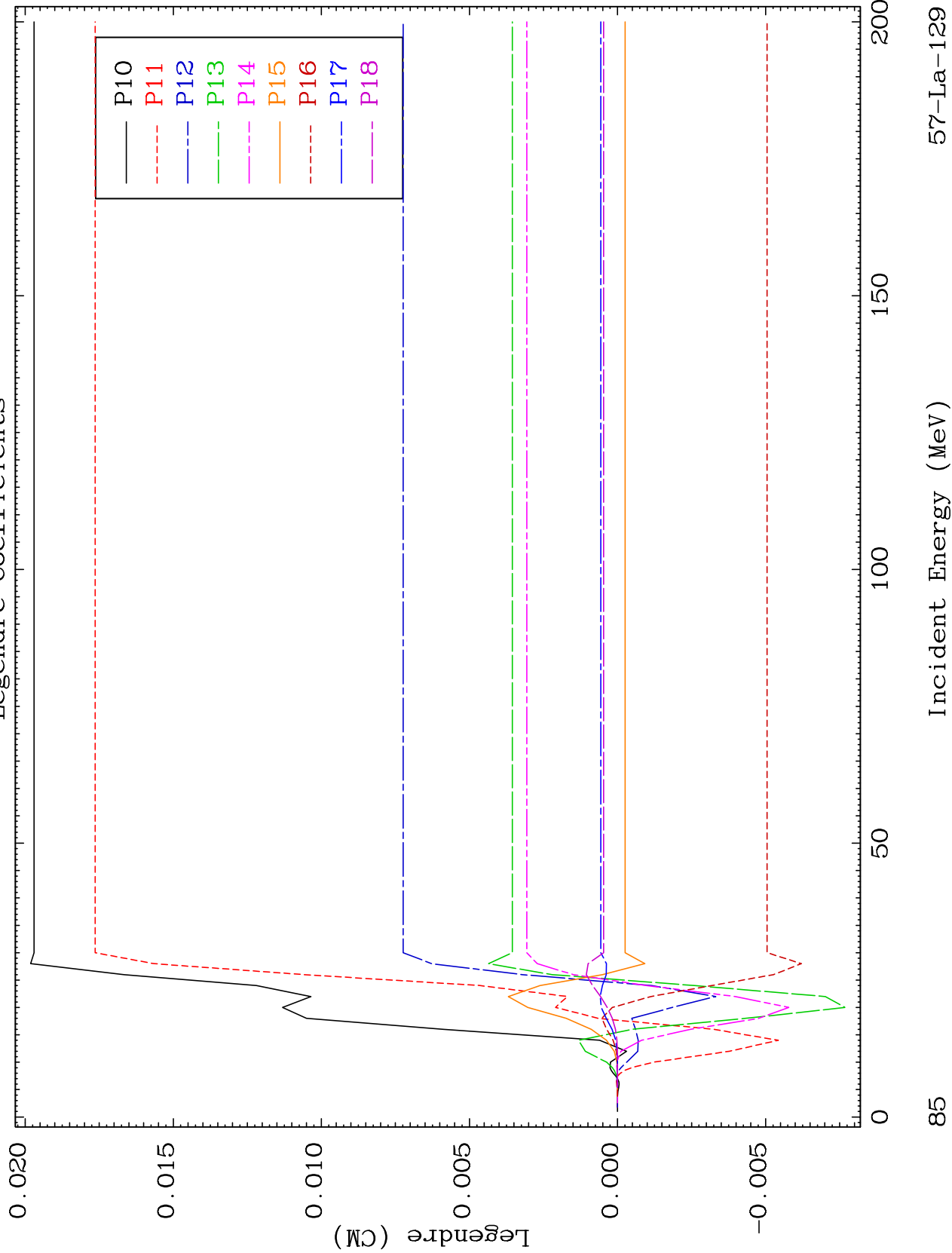
Incident Energy (MeV)

57-La-129

MAT 5698

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

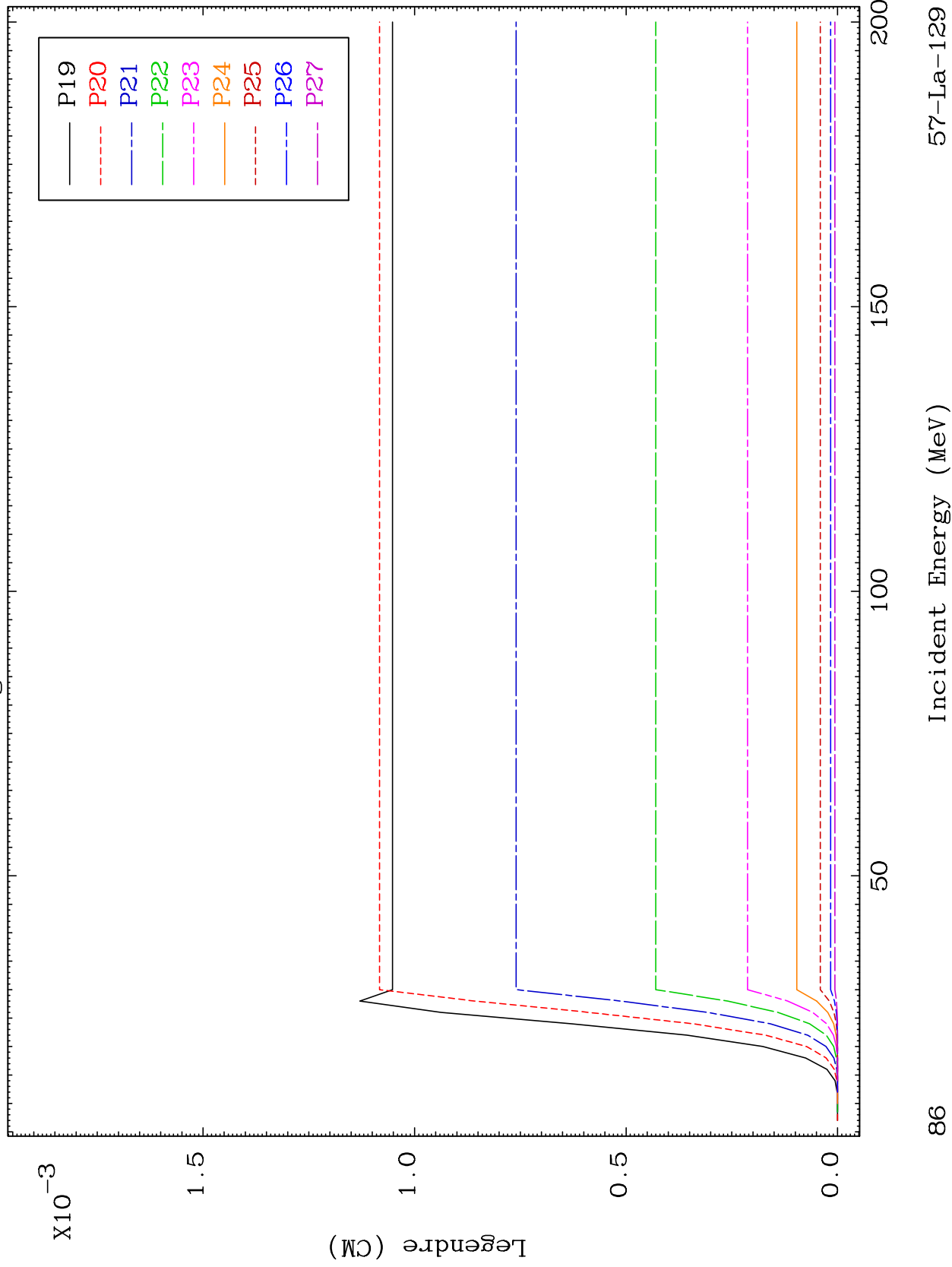
57-La-129



57-La-129

Incident Energy (MeV)

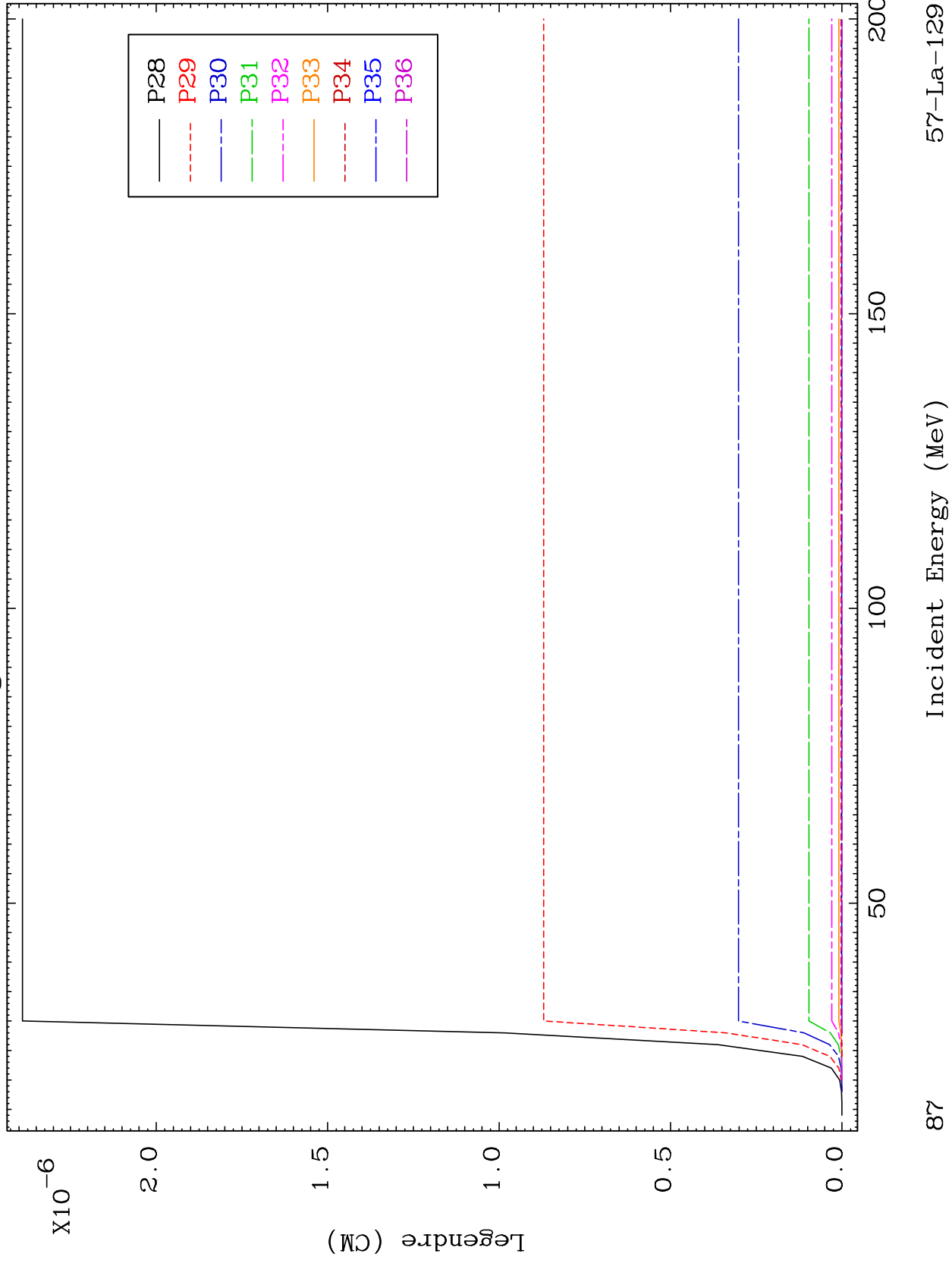
85



MAT 5698

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

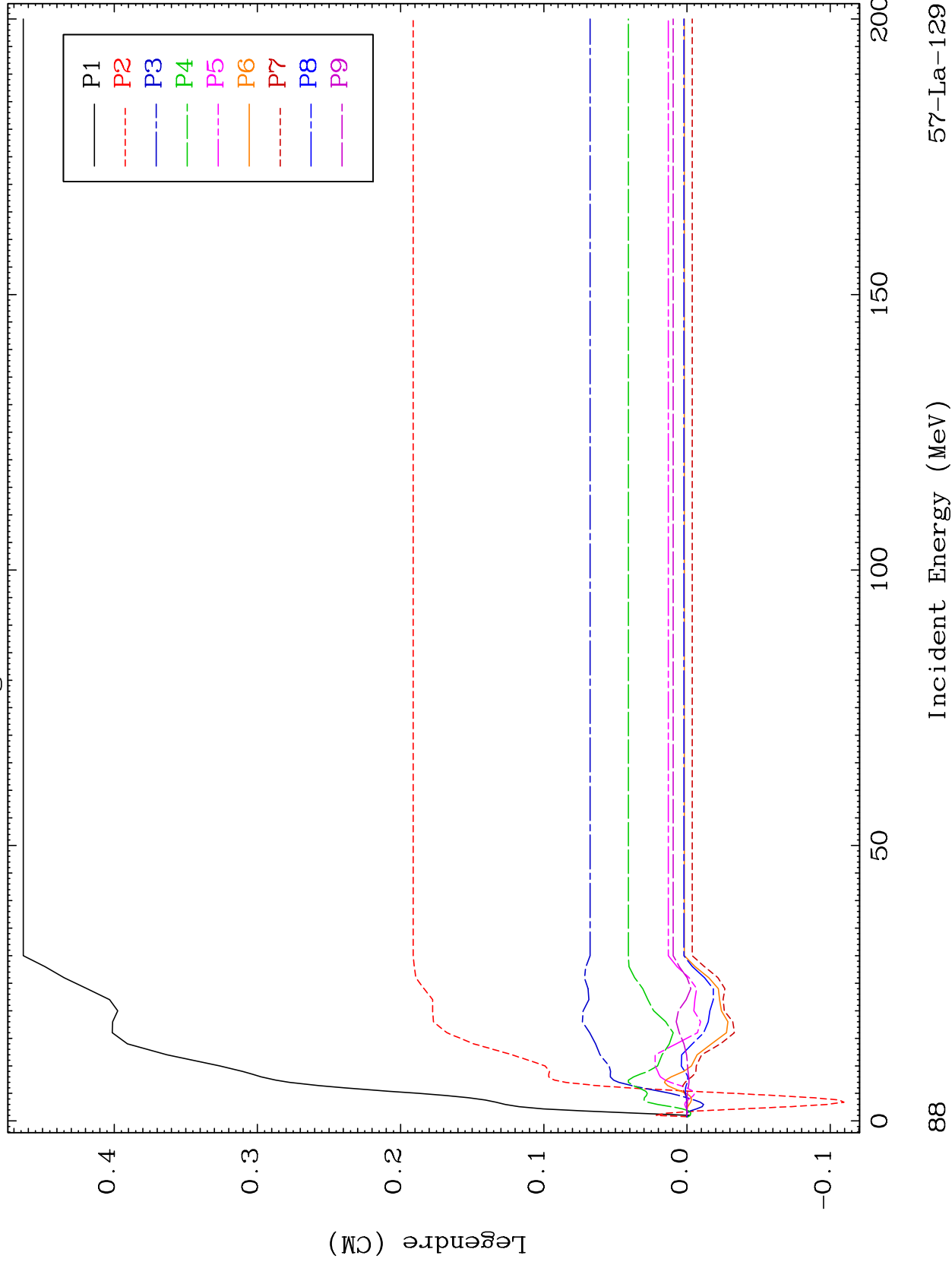
57-La-129



MAT 5698

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

57-La-129



57-La-129

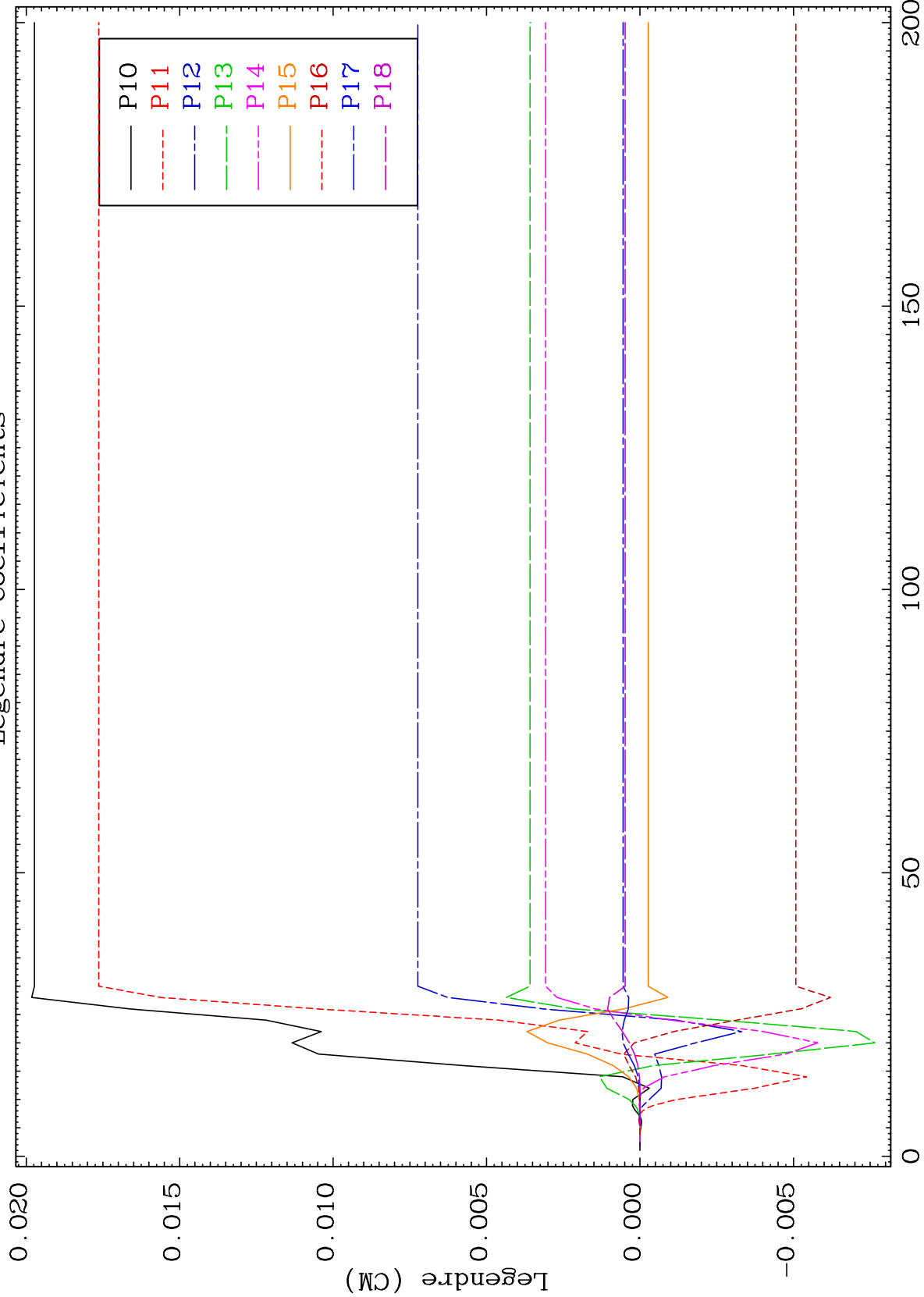
Incident Energy (MeV)

88

MAT 5698

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

57-La-129



89

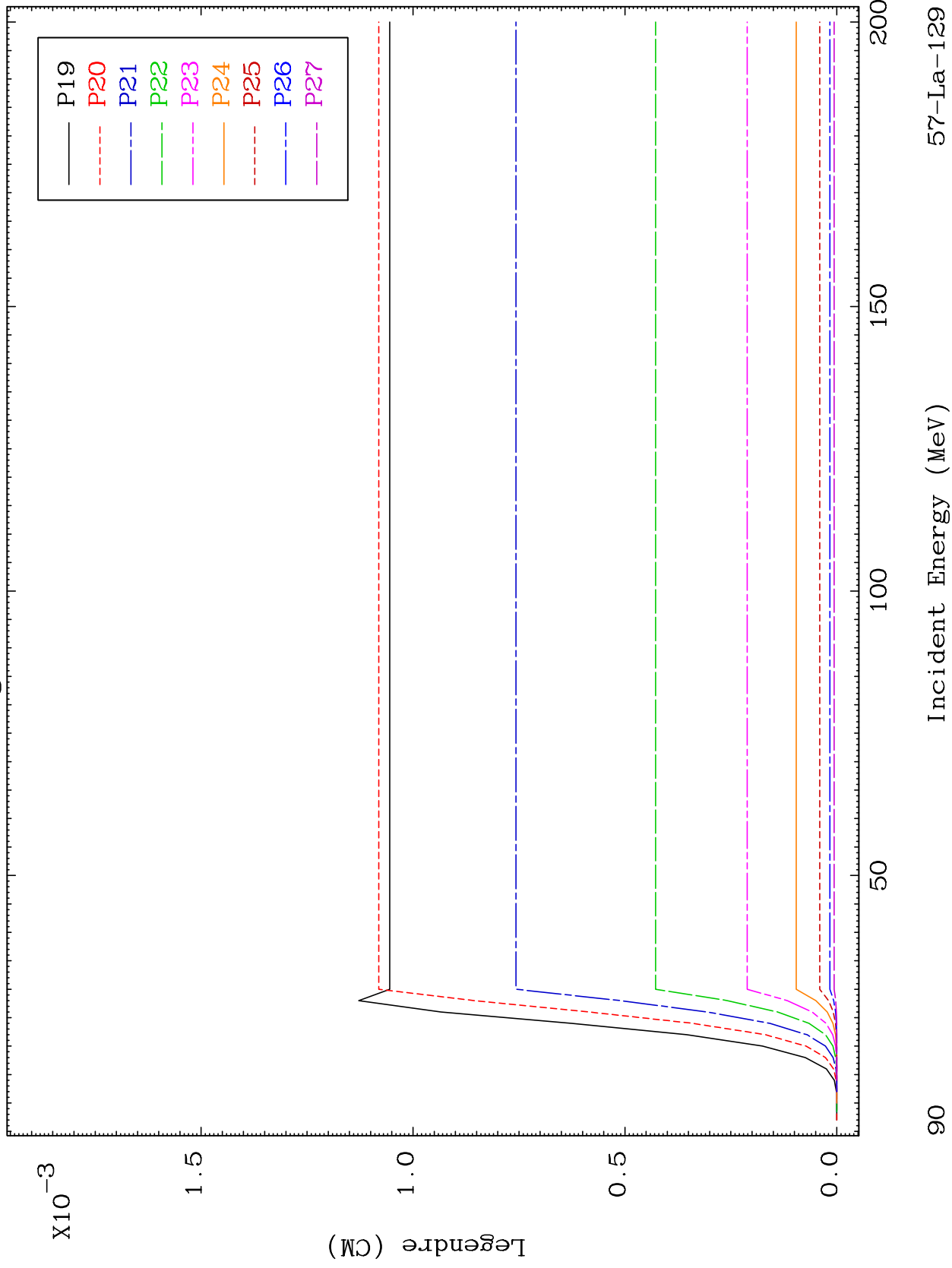
Incident Energy (MeV)

57-La-129

MAT 5698

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

57-La-129

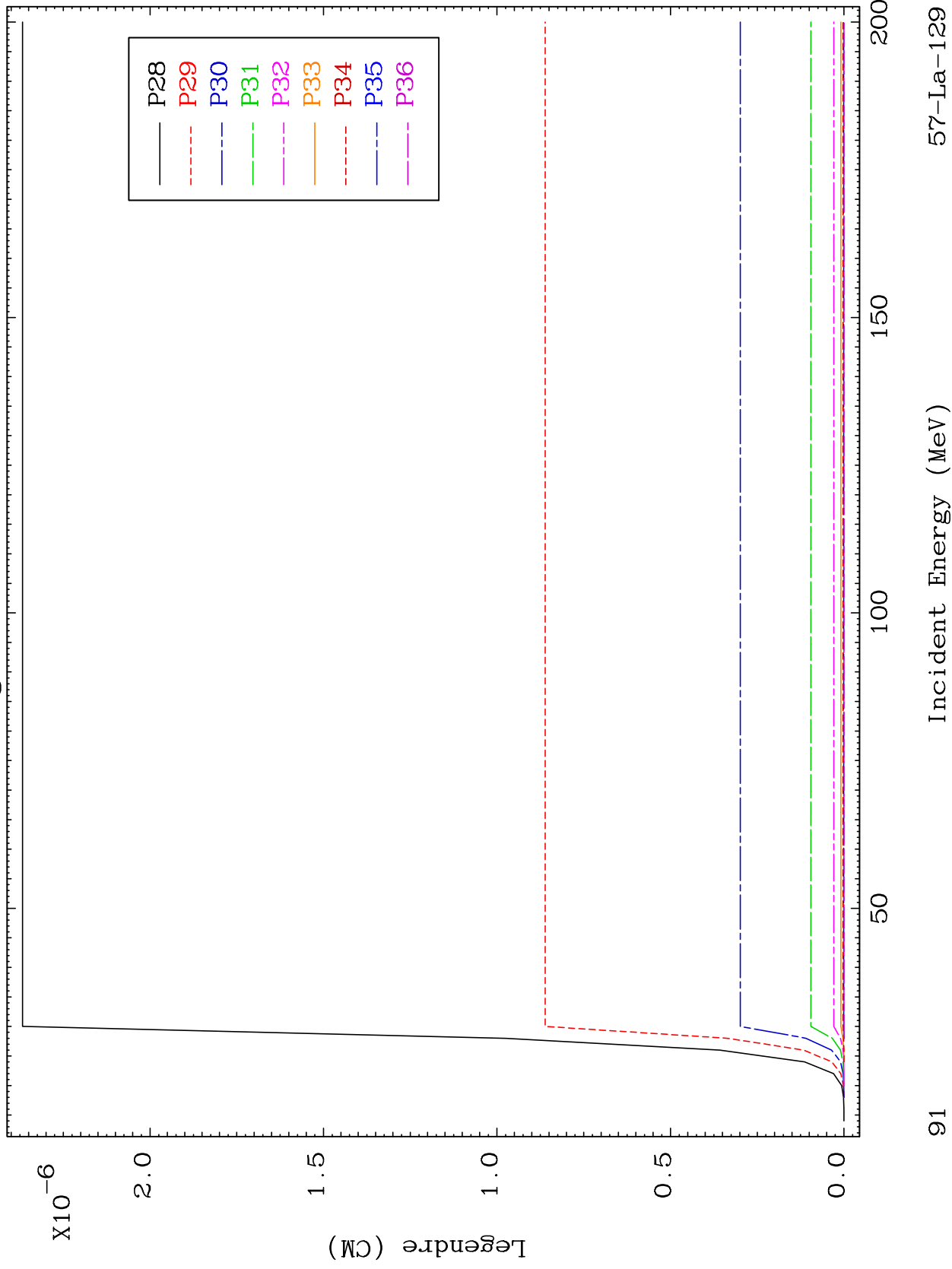


57-La-129

MAT 5698

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

57-La-129



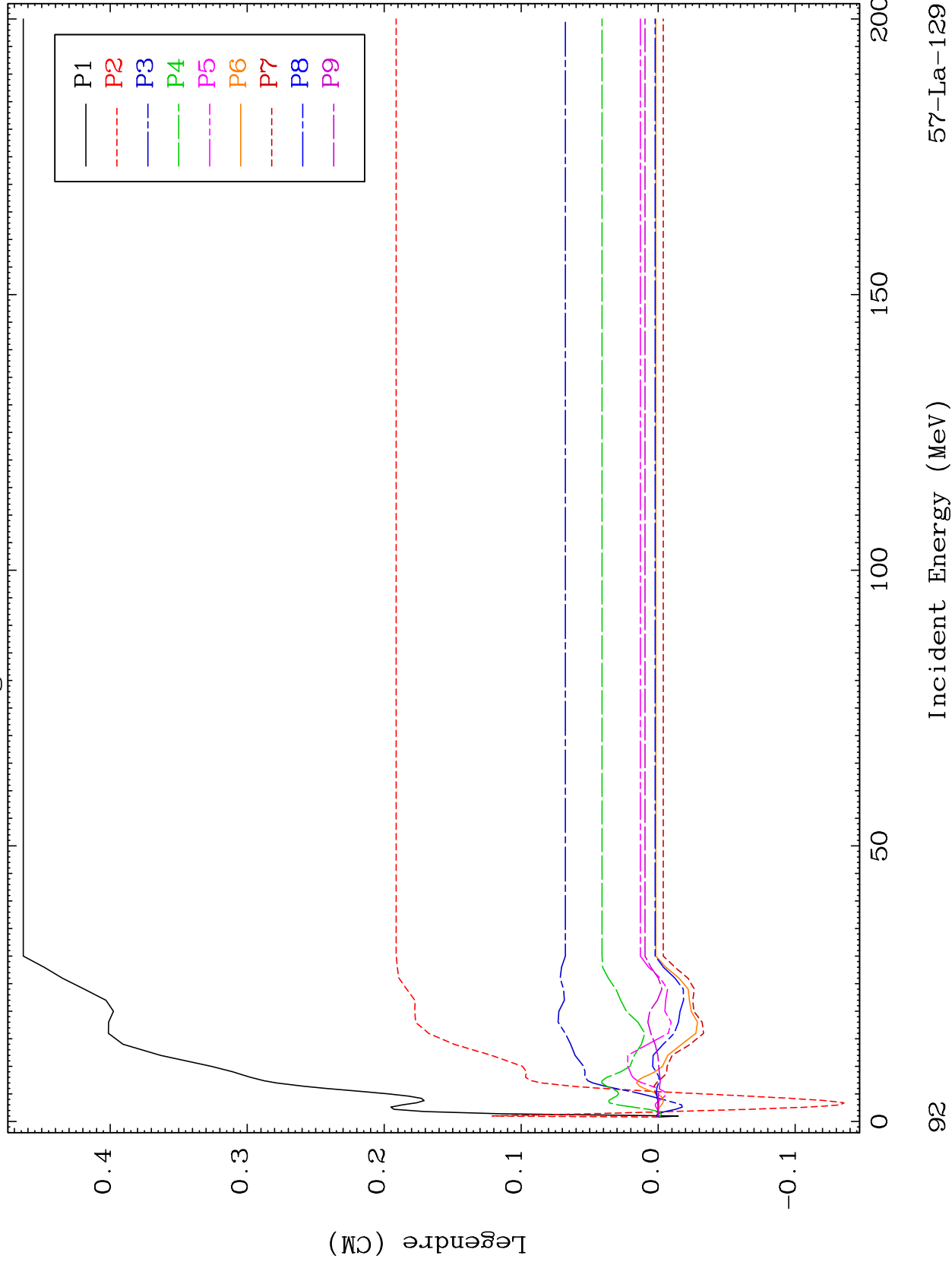
91

57-La-129

MAT 5698

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

57-La-129



57-La-129

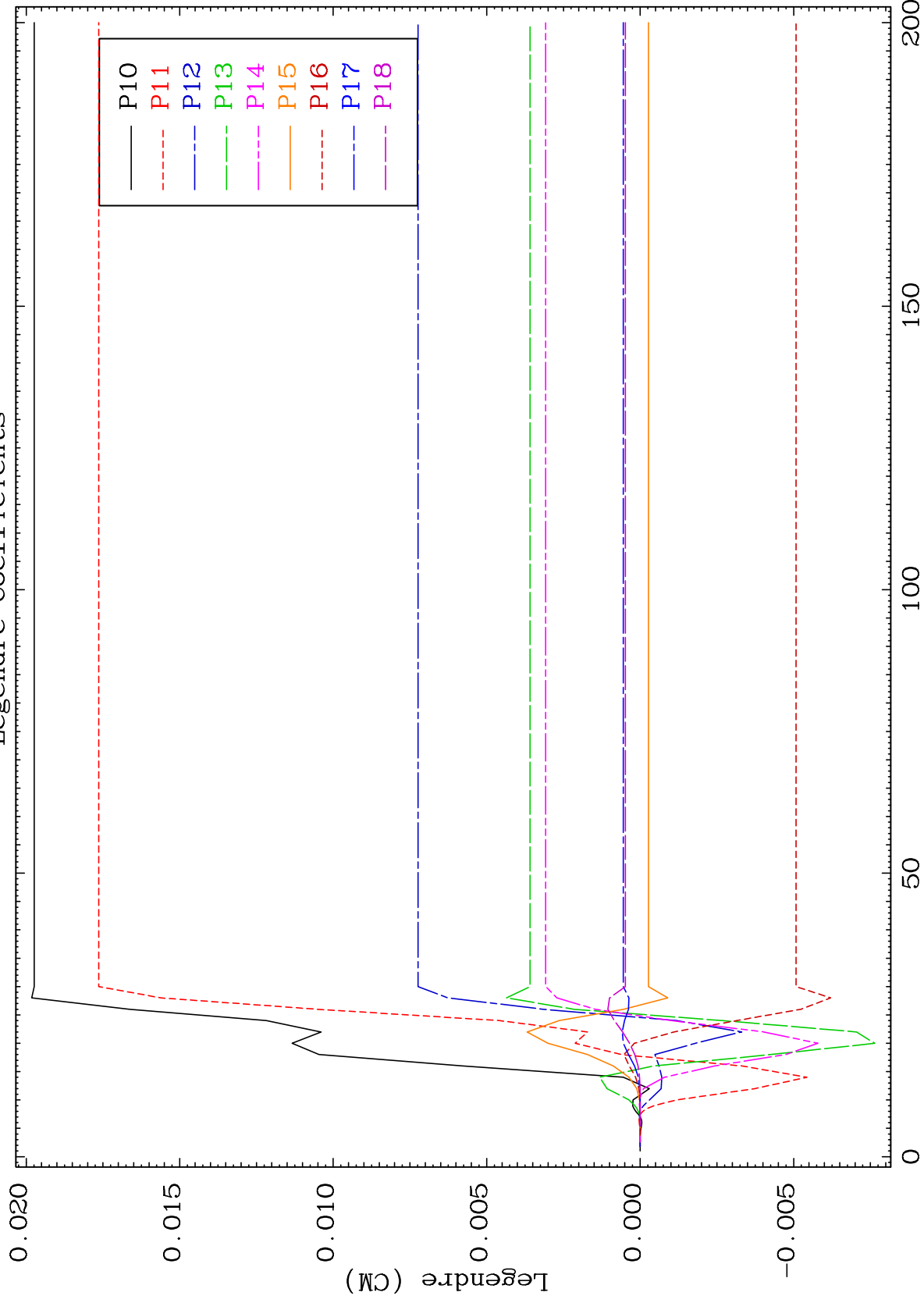
Incident Energy (MeV)

92

MAT 5698

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

57-La-129



93

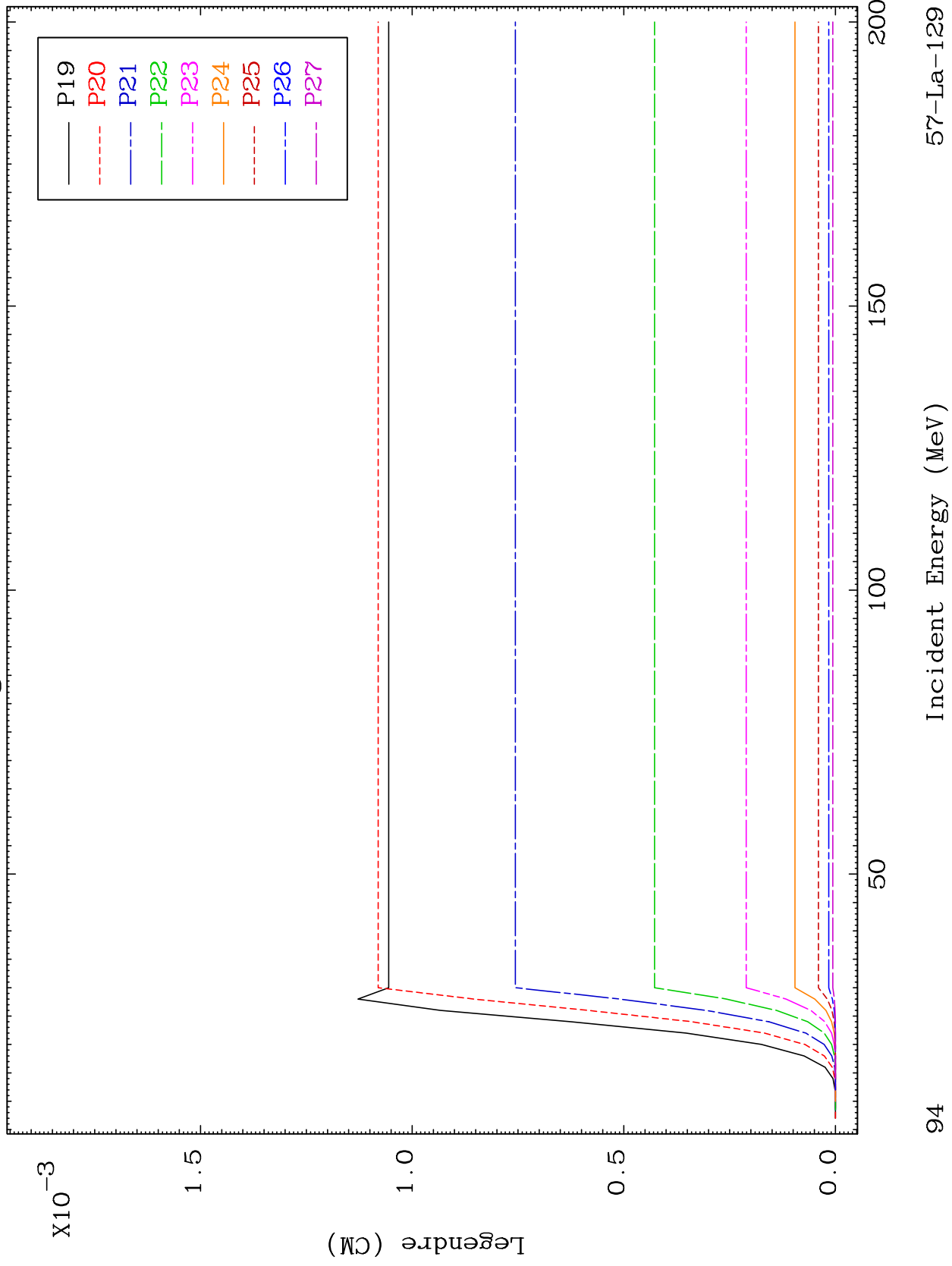
Incident Energy (MeV)

57-La-129

MAT 5698

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

57-La-129



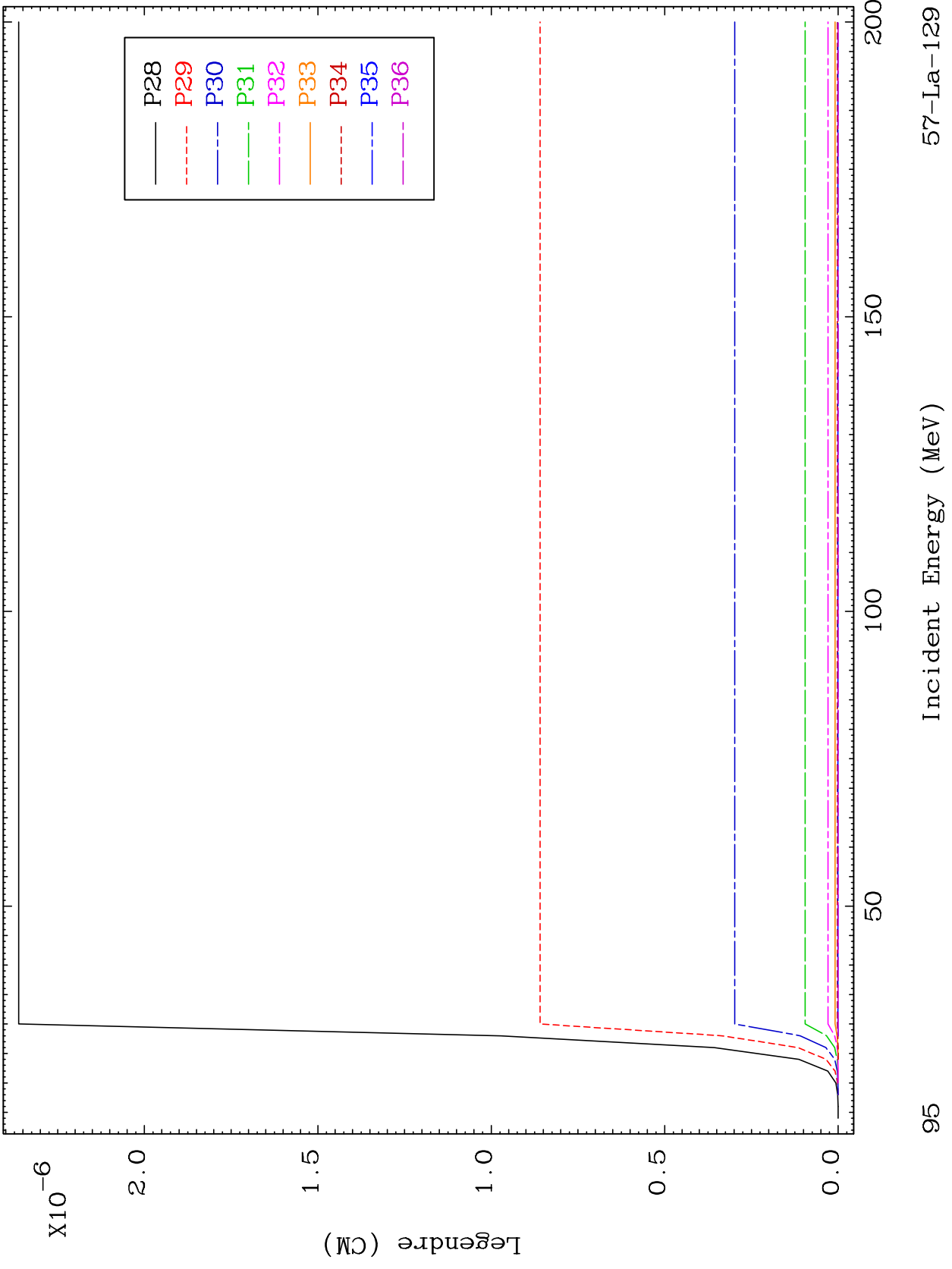
94

57-La-129

MAT 5698

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

57-La-129



57-La-129

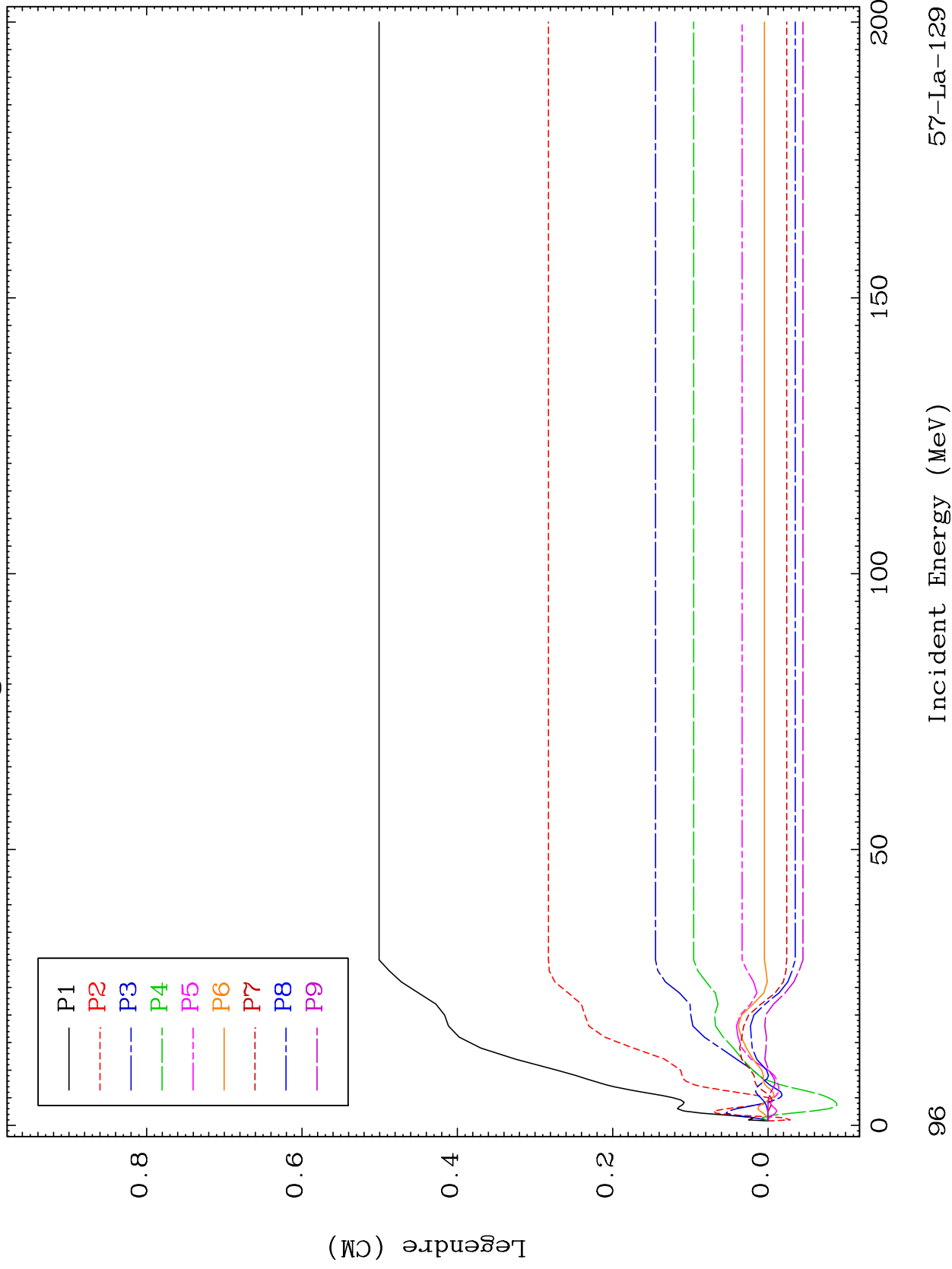
Incident Energy (MeV)

95

MAT 5698

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

57-La-129



57-La-129

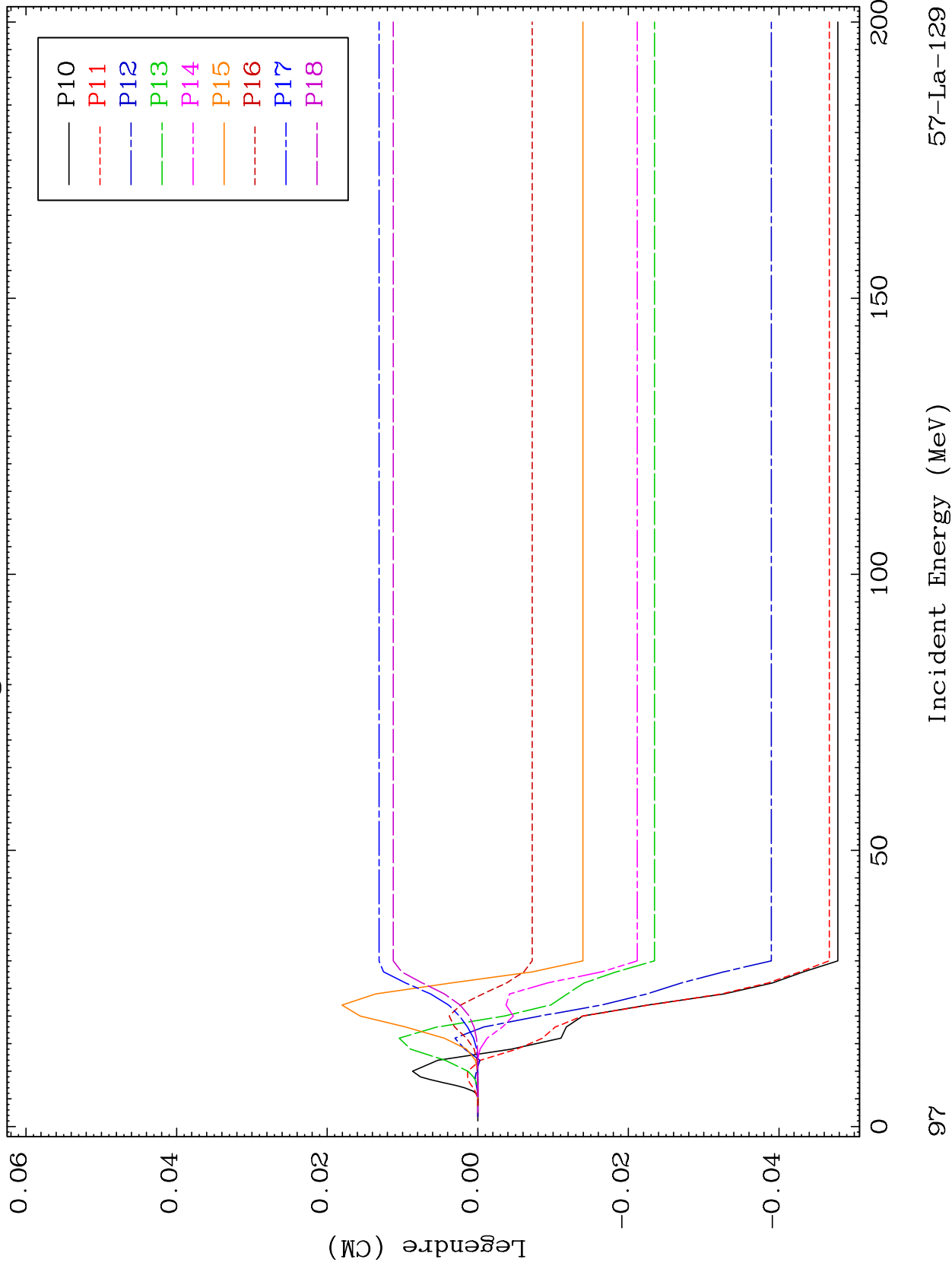
Incident Energy (MeV)

96

MAT 5698

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

57-La-129



57-La-129

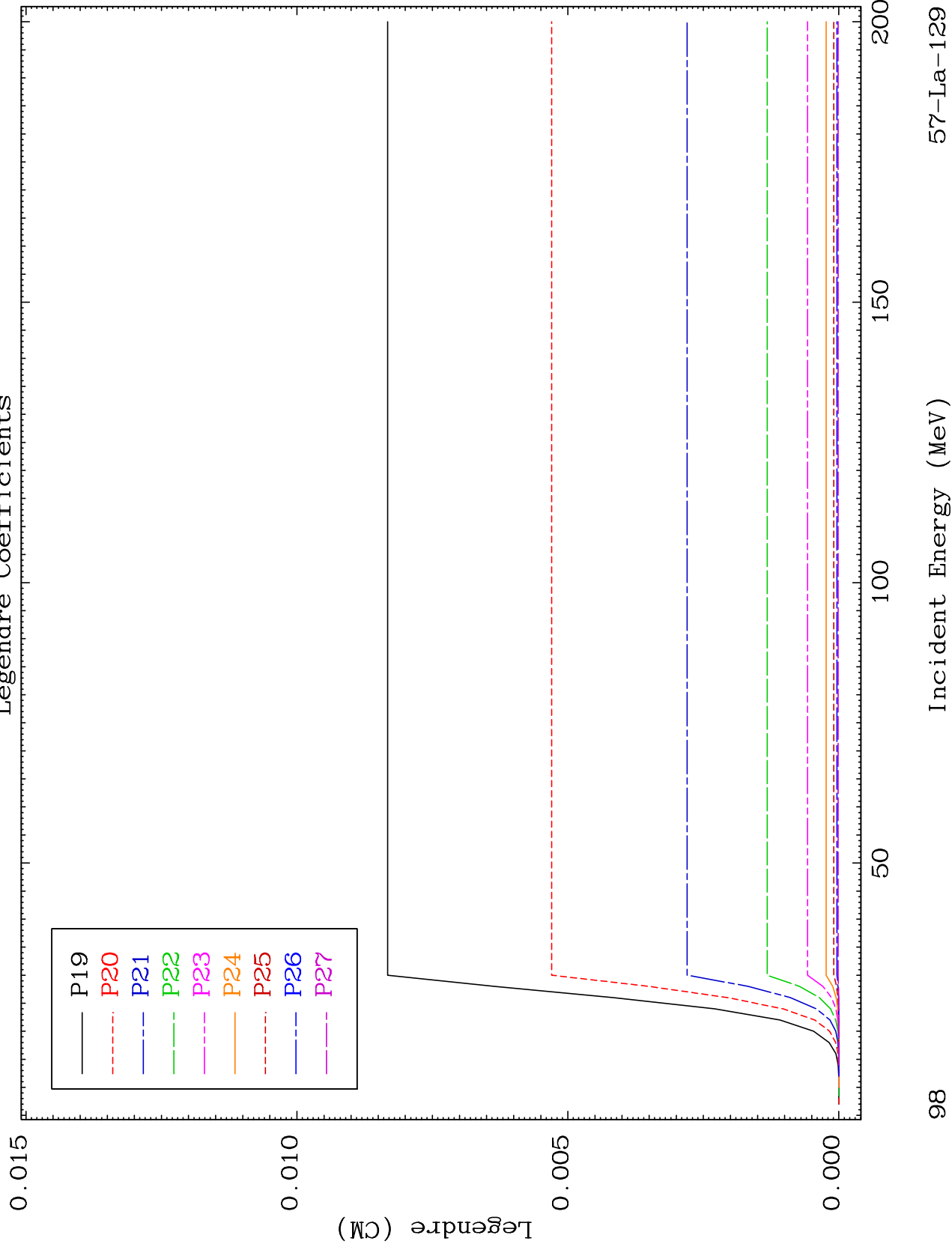
Incident Energy (MeV)

97

MAT 5698

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

57-La-129



98

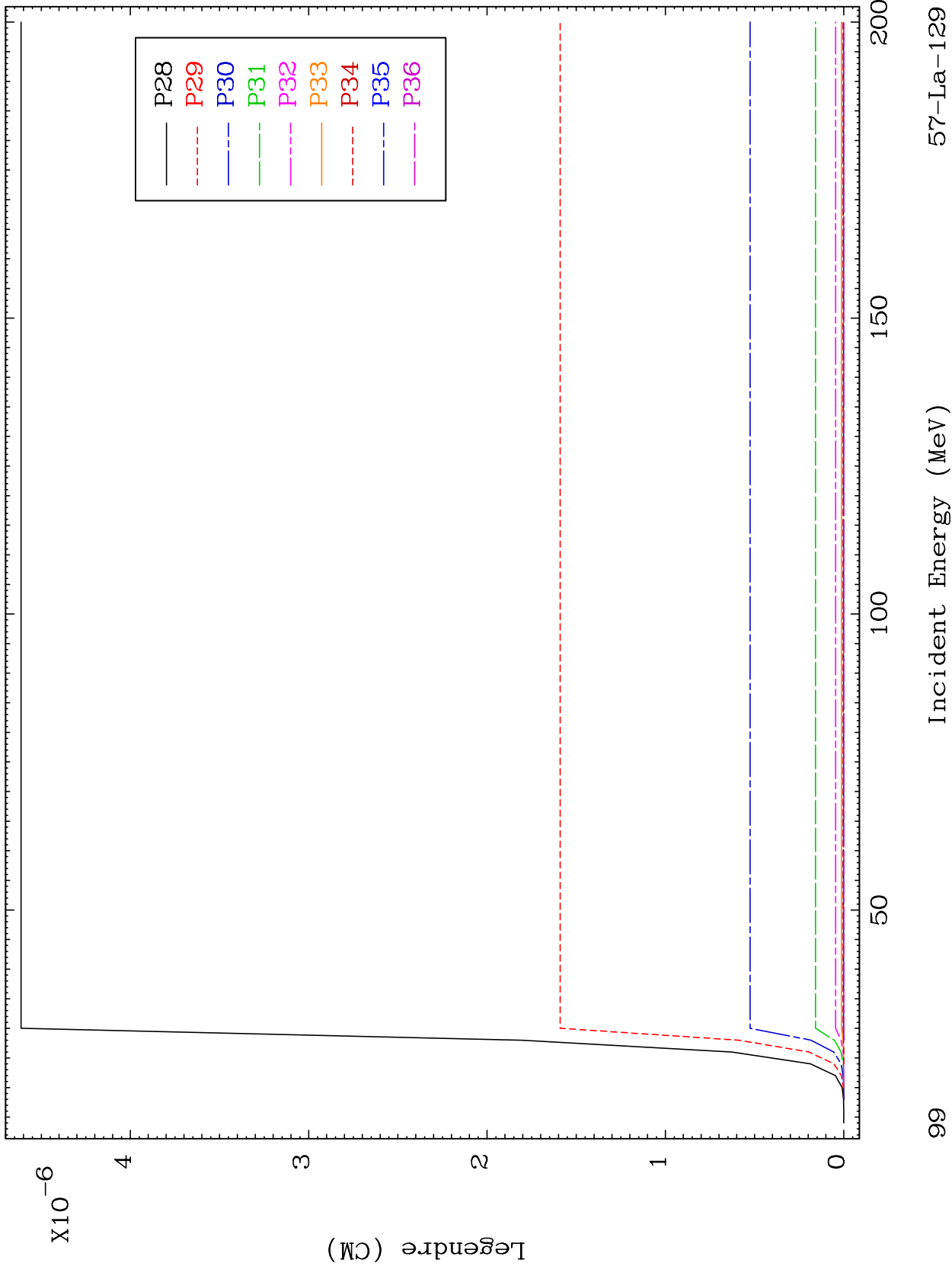
Incident Energy (MeV)

57-La-129

MAT 5698

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

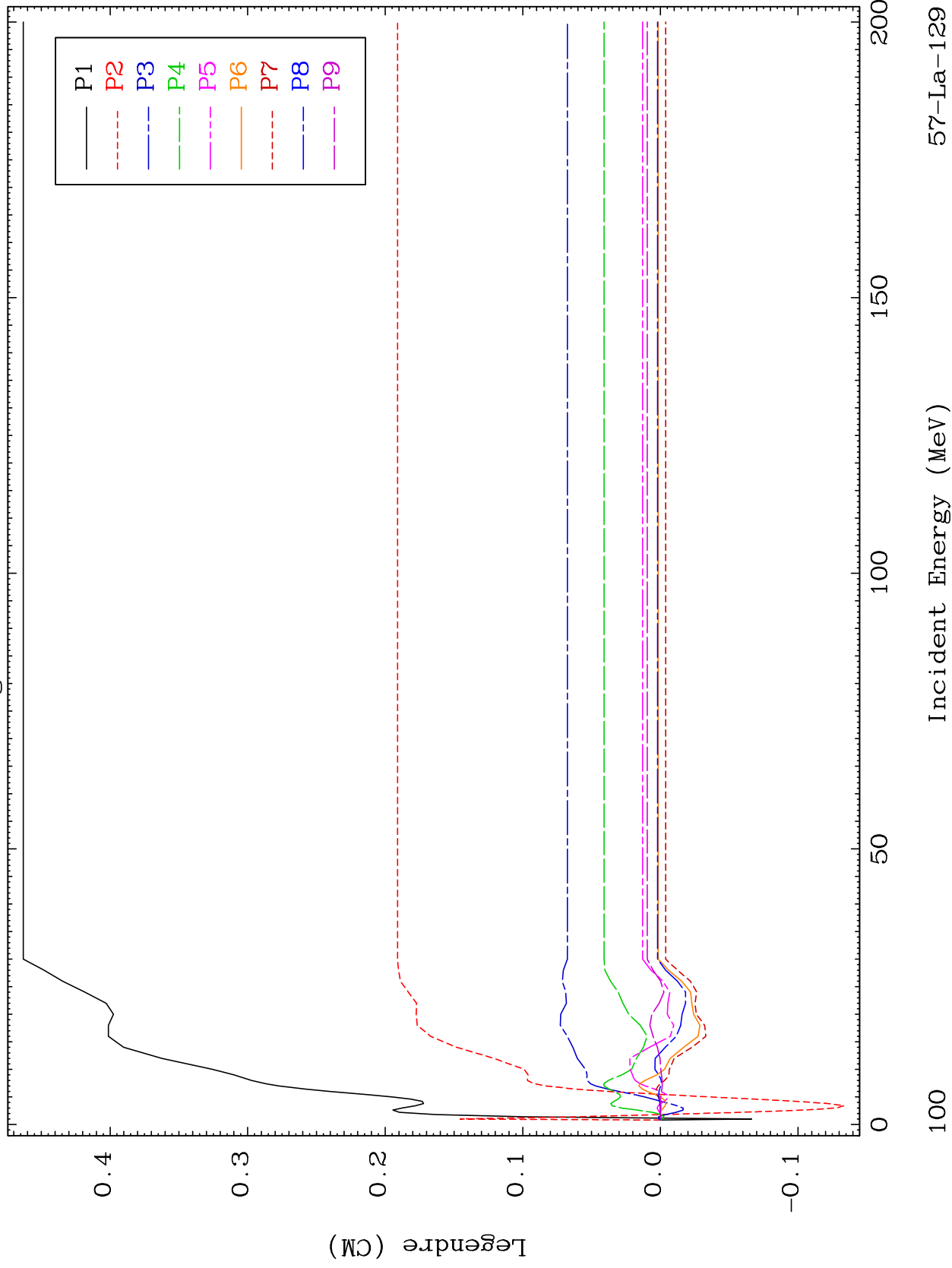
57-La-129



MAT 5698

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

57-La-129



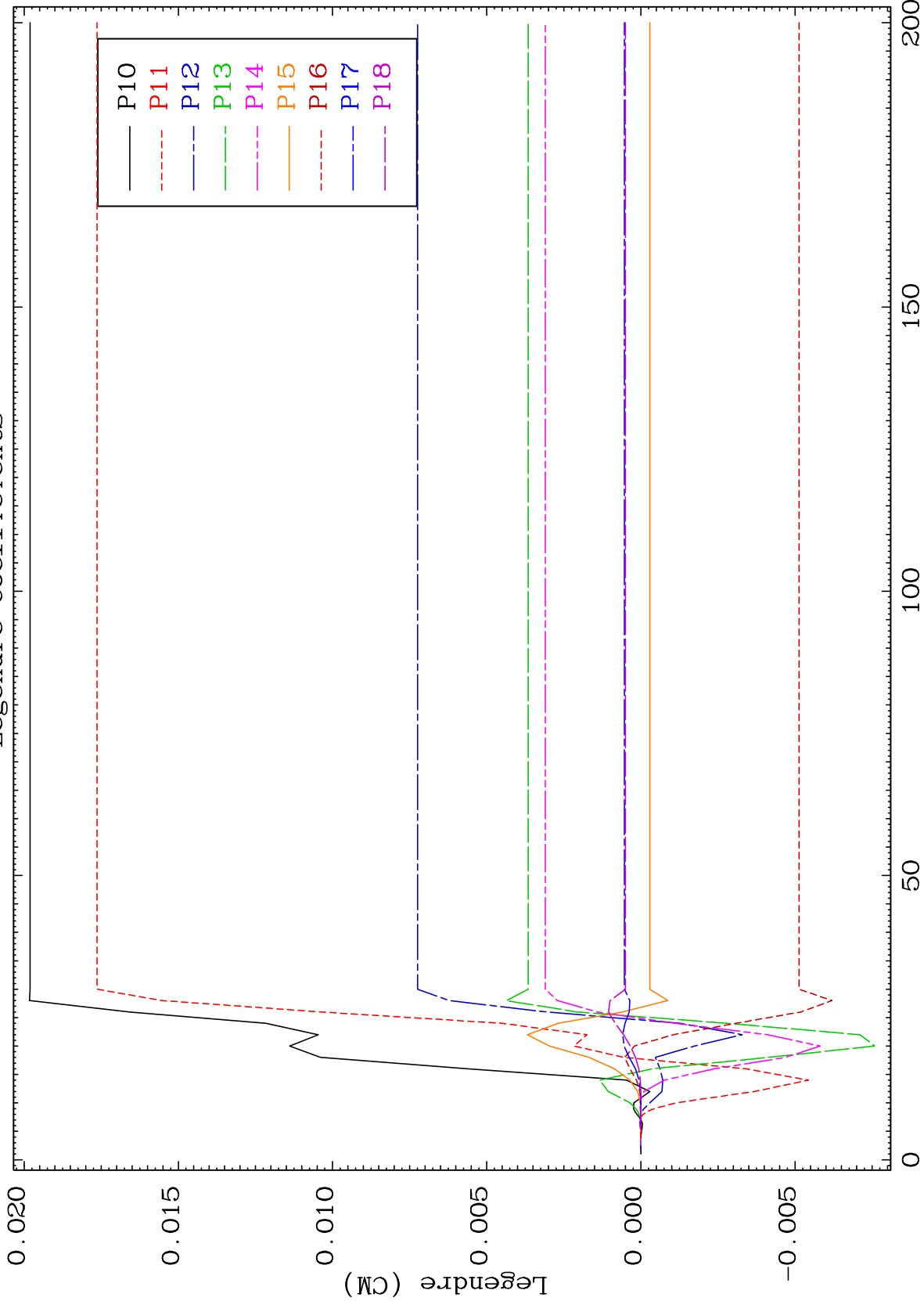
57-La-129

MAT 5698

MT= 71 (n,n') Level

57-La-129

Legendre Coefficients



101

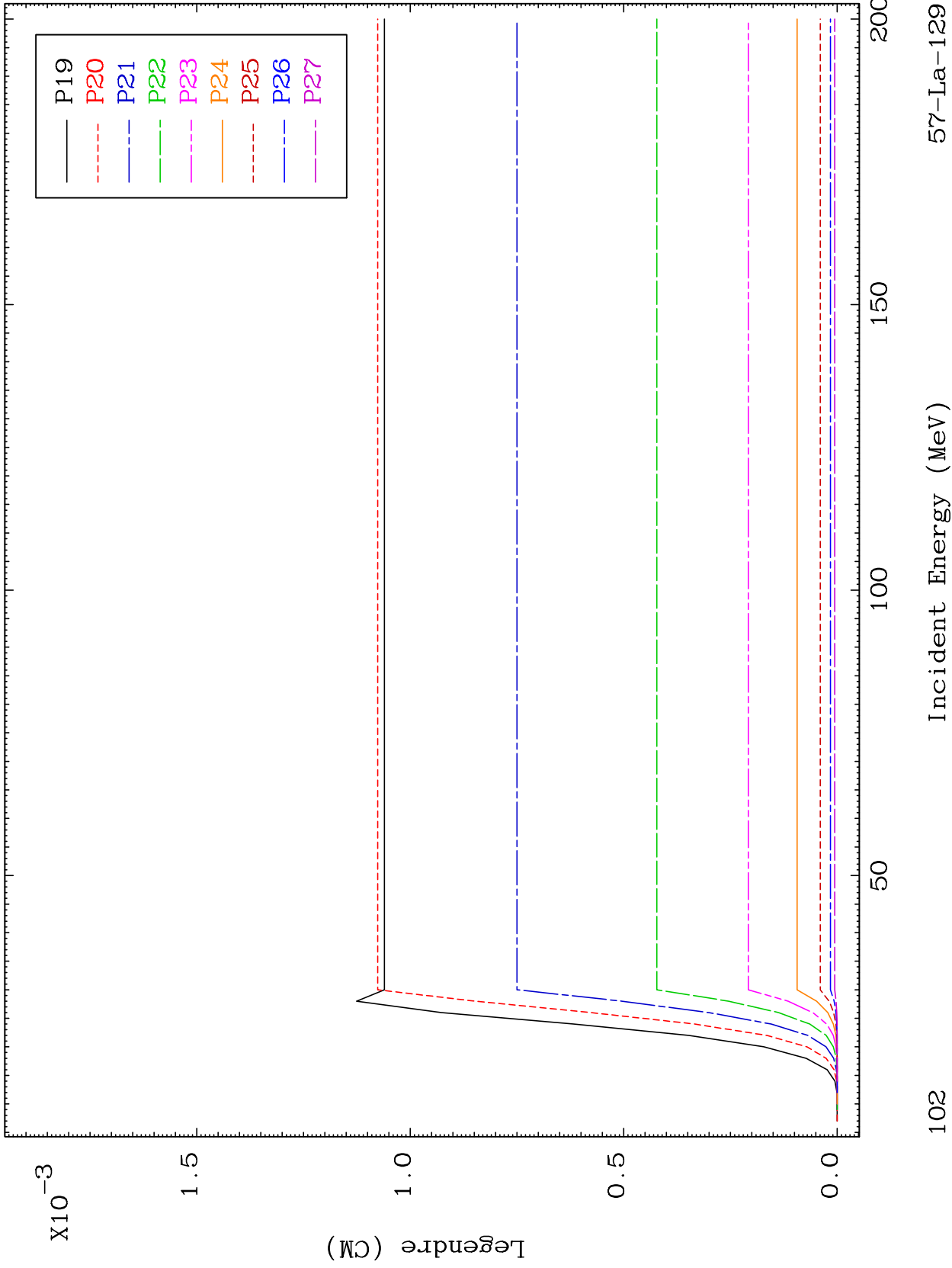
Incident Energy (MeV)

57-La-129

MAT 5698

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

57-La-129



57-La-129

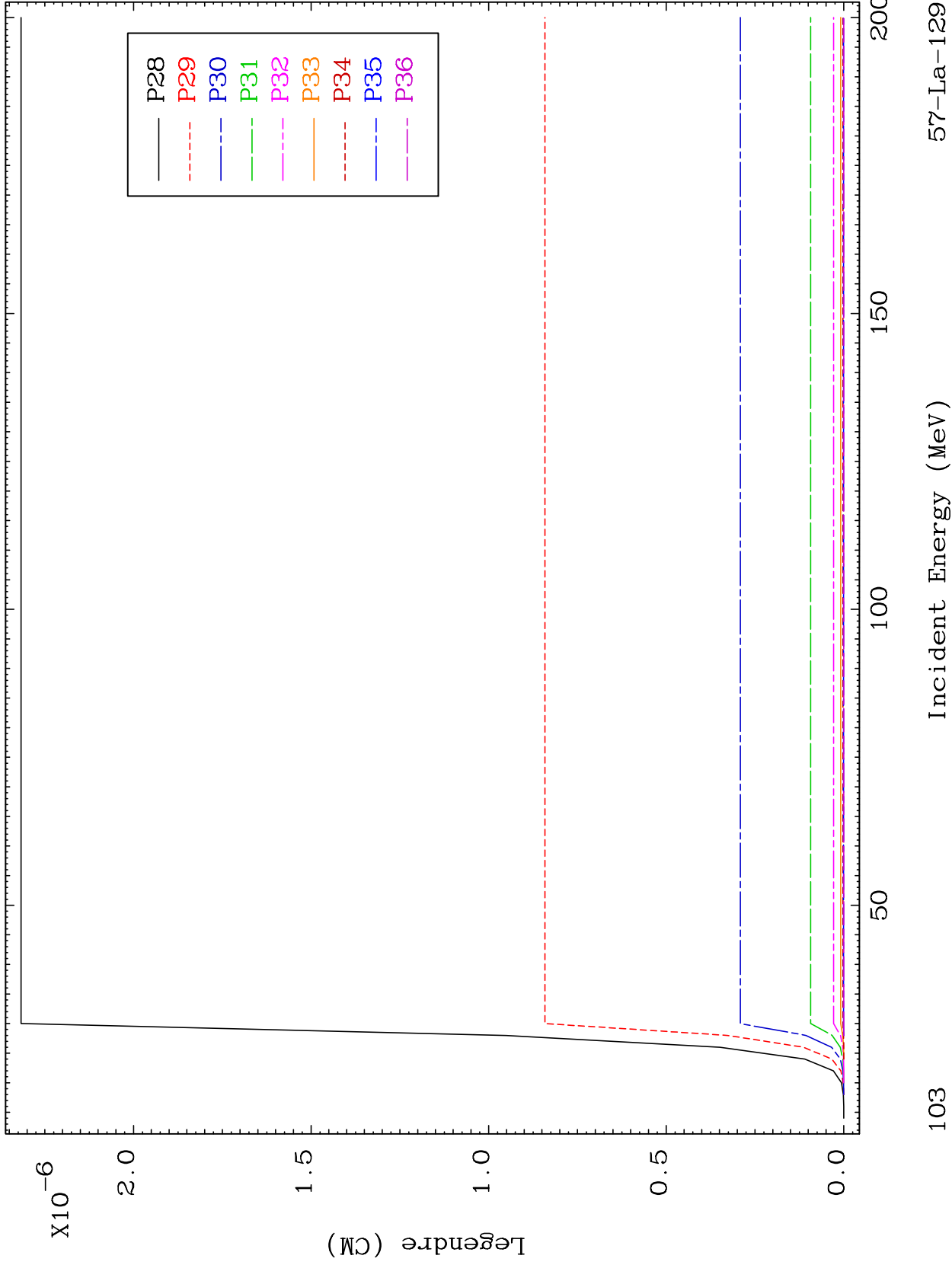
Incident Energy (MeV)

102

MAT 5698

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

57-La-129



103

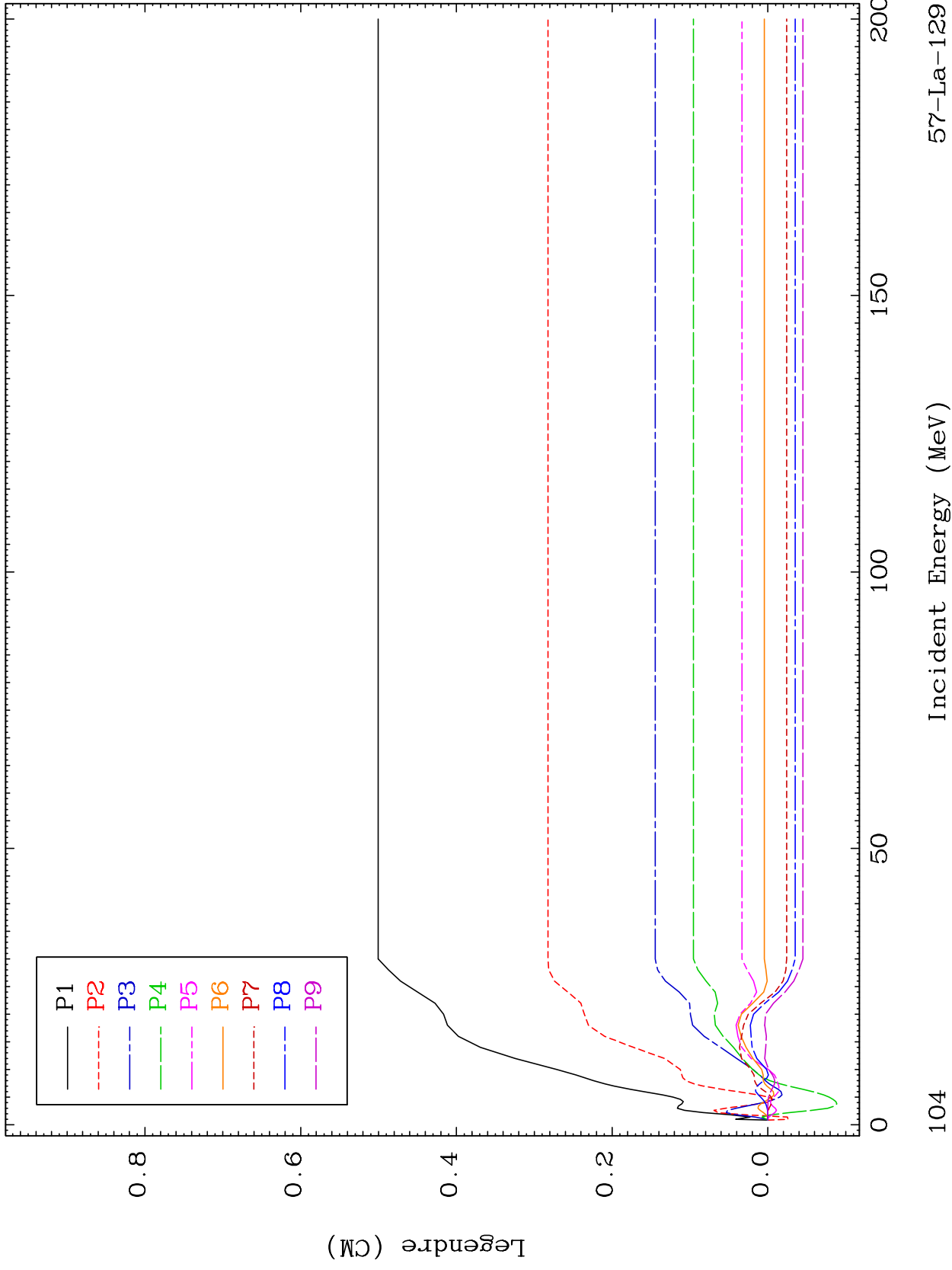
Incident Energy (MeV)

57-La-129

MAT 5698

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

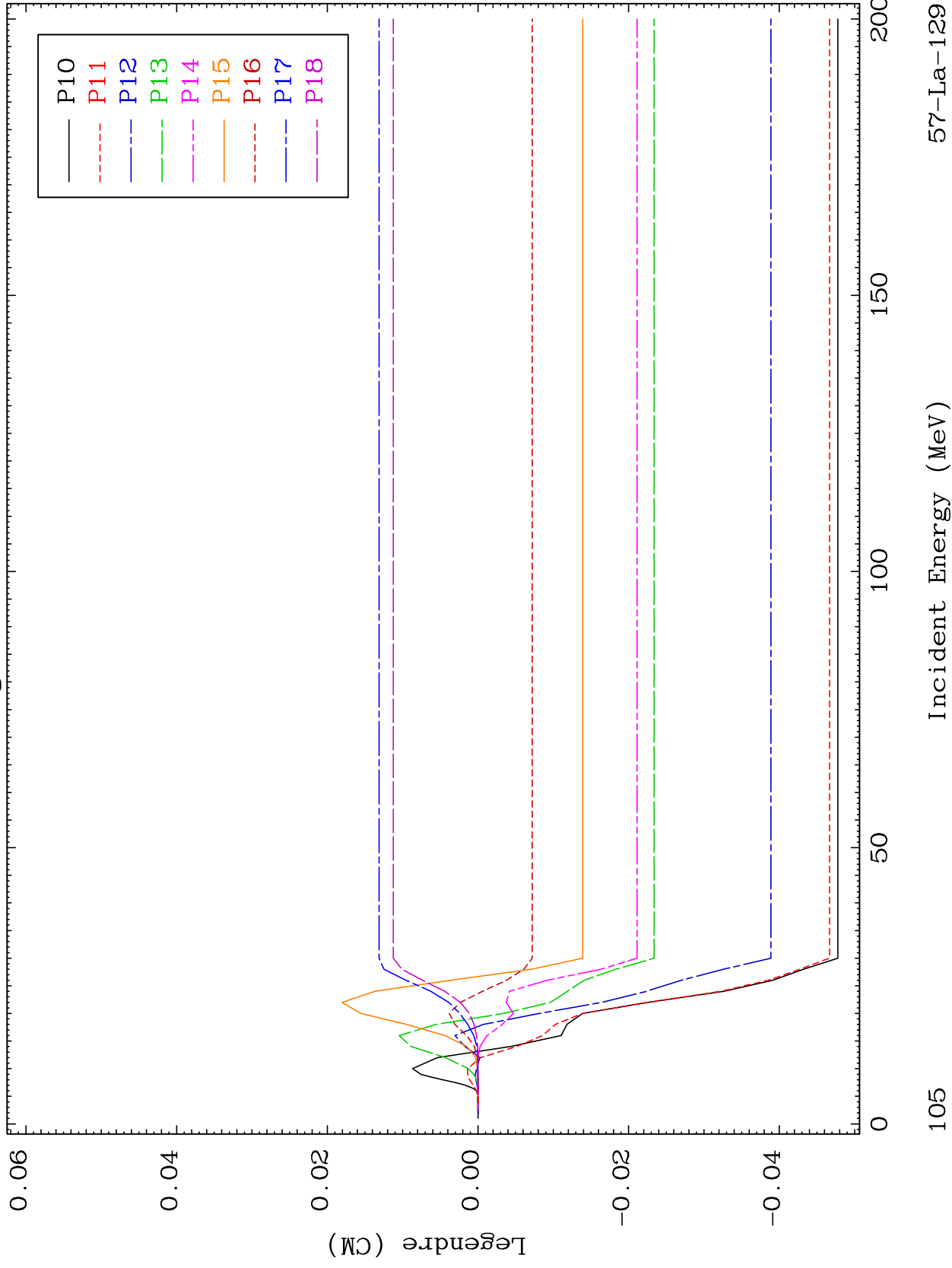
57-La-129



MAT 5698

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

57-La-129



57-La-129

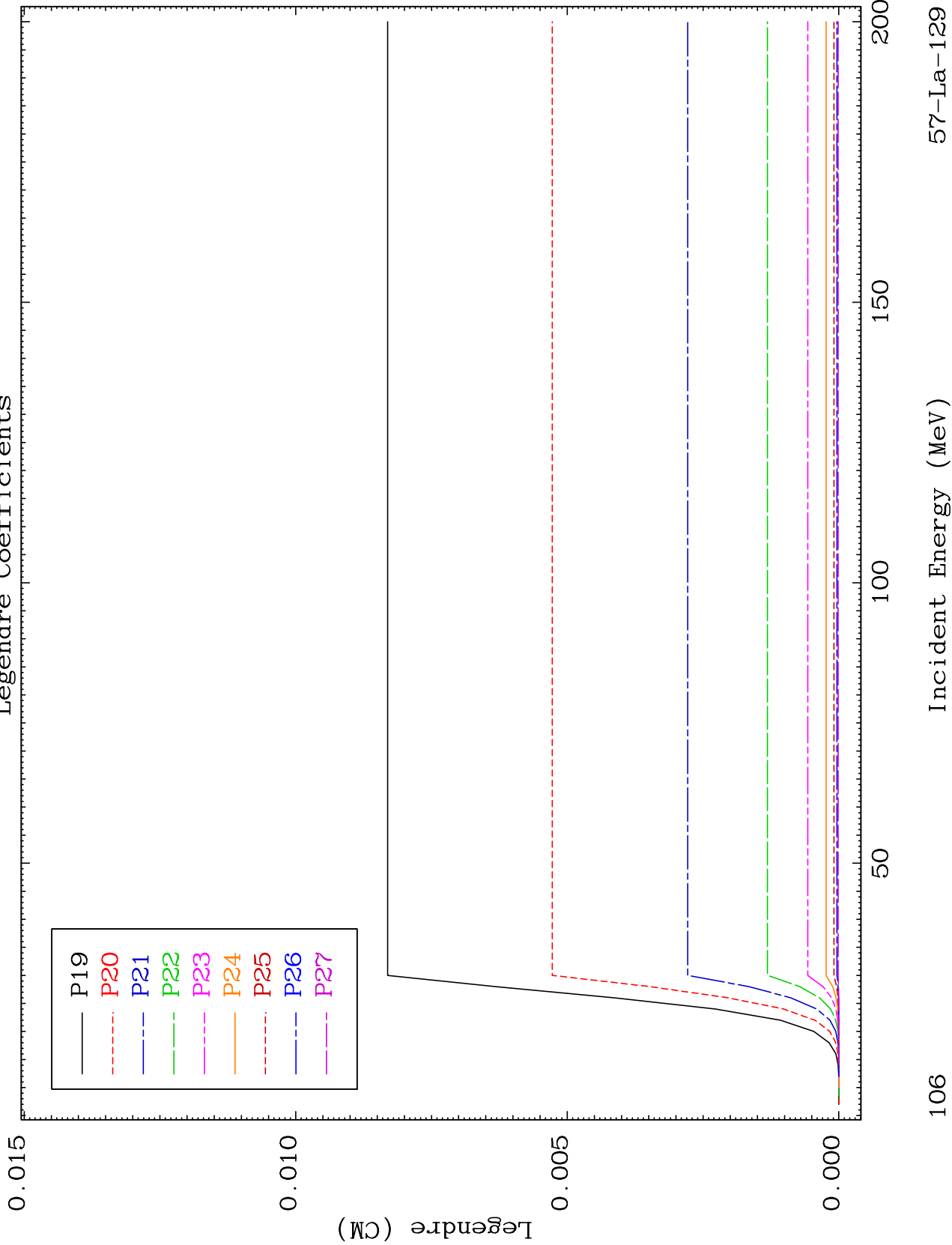
Incident Energy (MeV)

105

MAT 5698

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

57-La-129



106

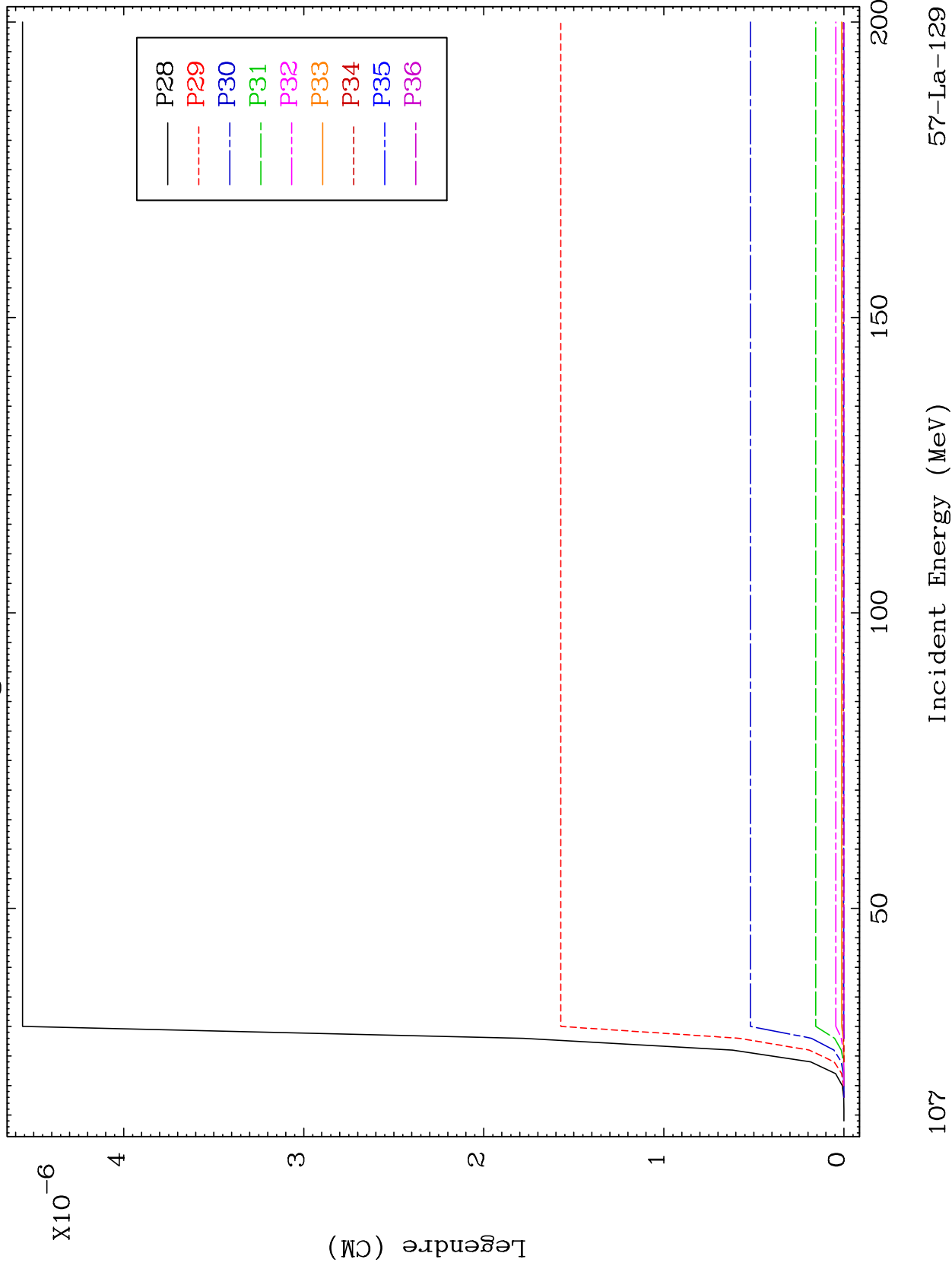
Incident Energy (MeV)

57-La-129

MAT 5698

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

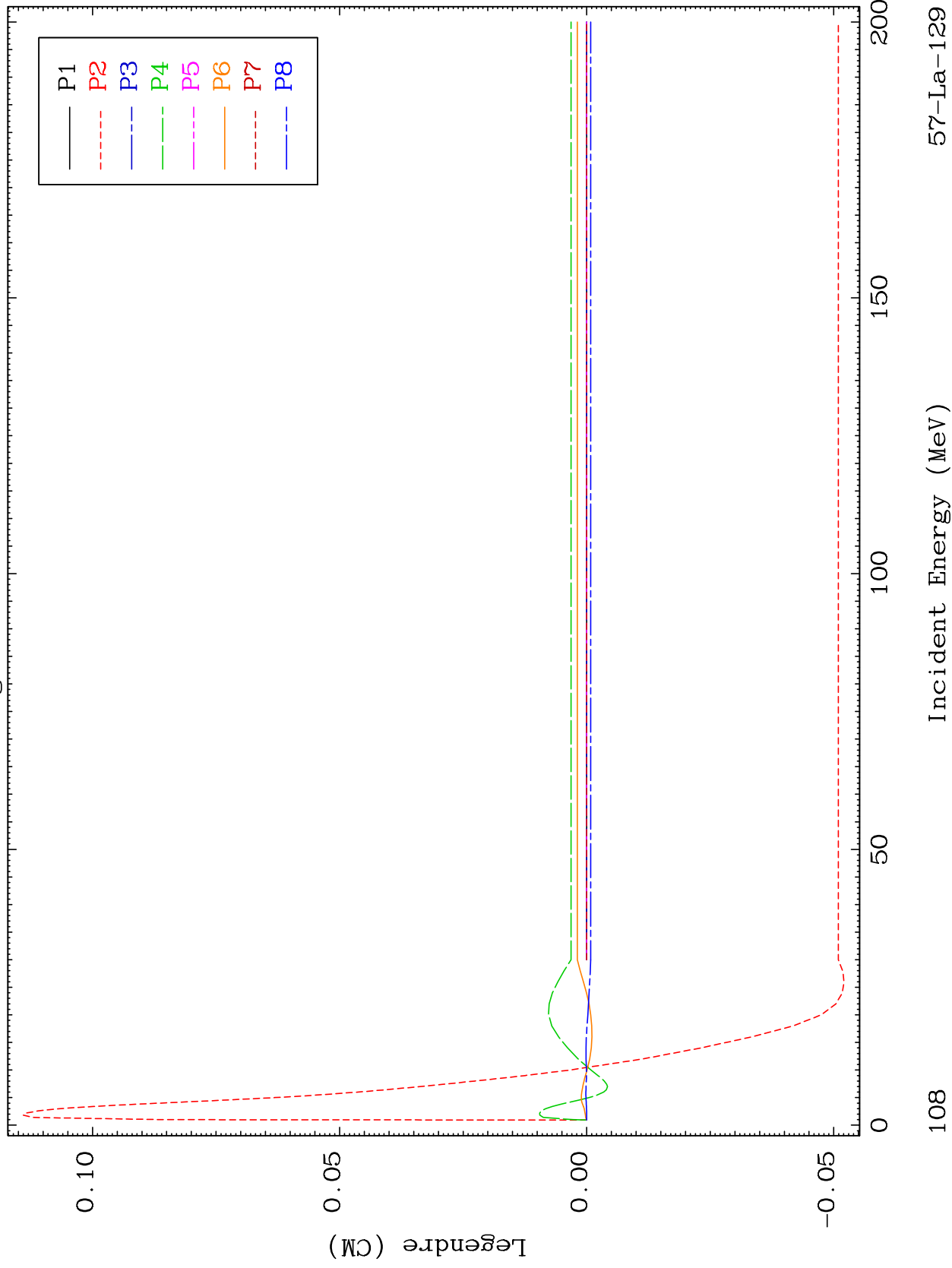
57-La-129



MAT 5698

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

57-La-129



57-La-129

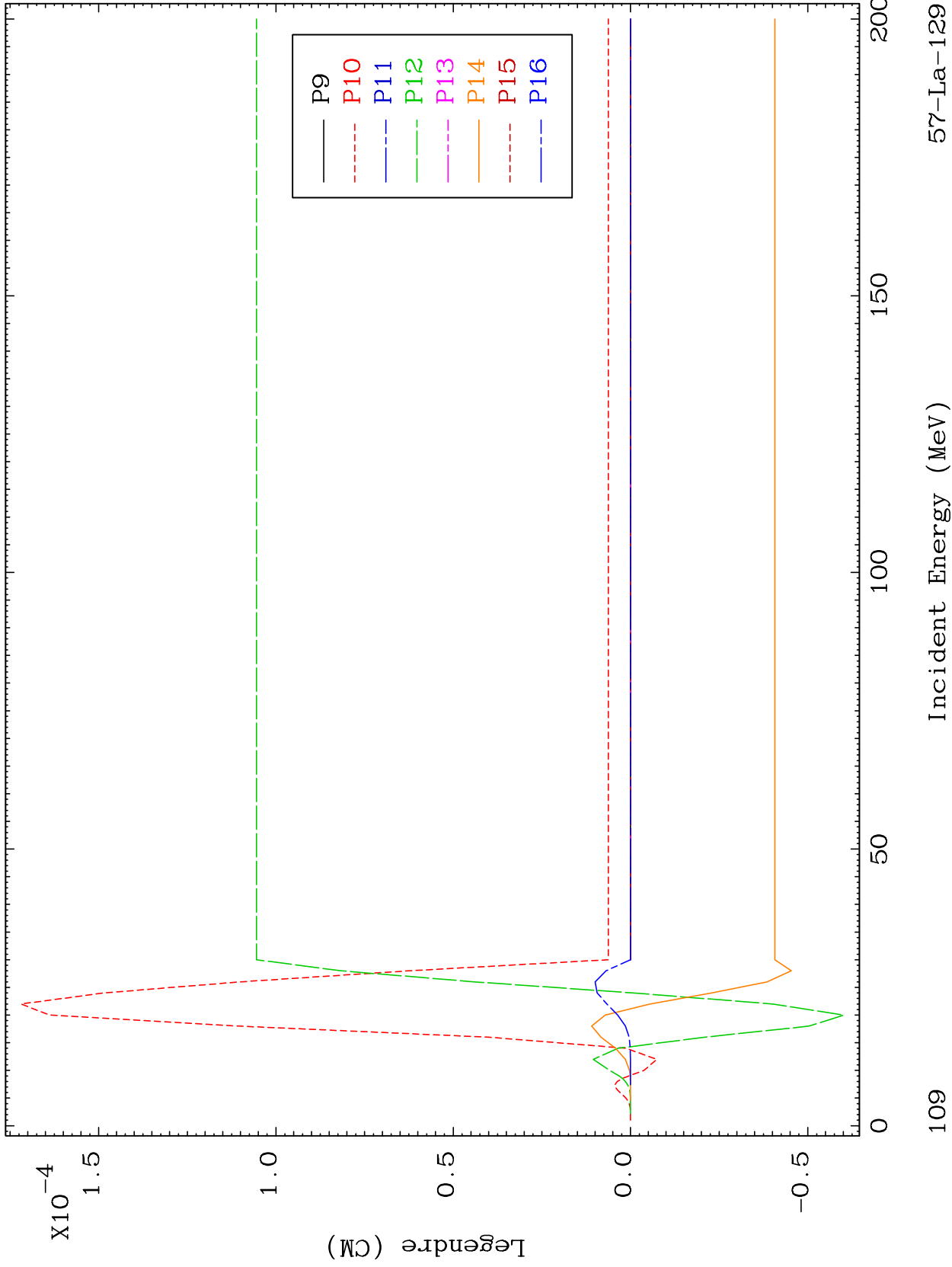
Incident Energy (MeV)

108

MAT 5698

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

57-La-129



109

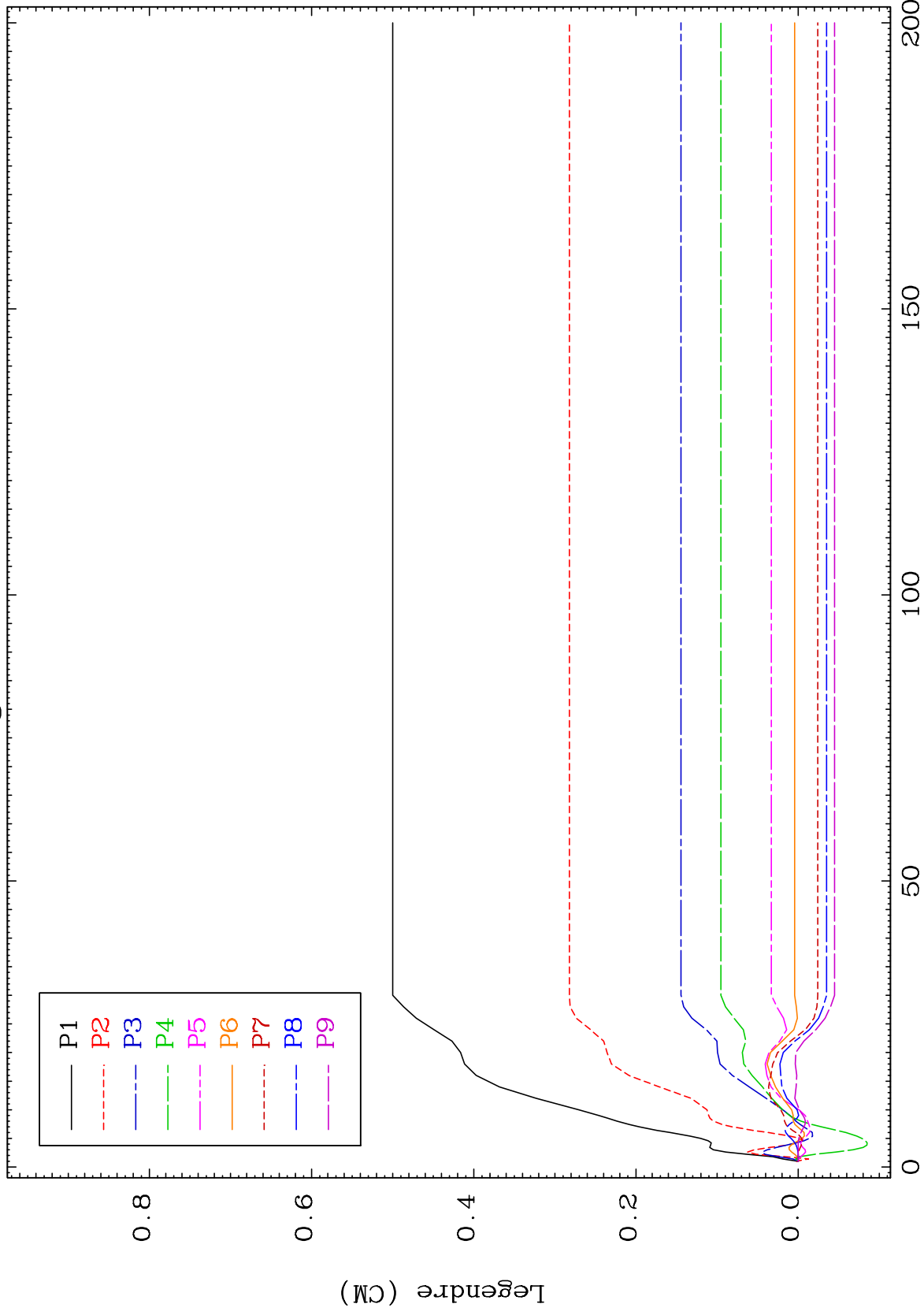
Incident Energy (MeV)

57-La-129

MAT 5698

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

57-La-129



111

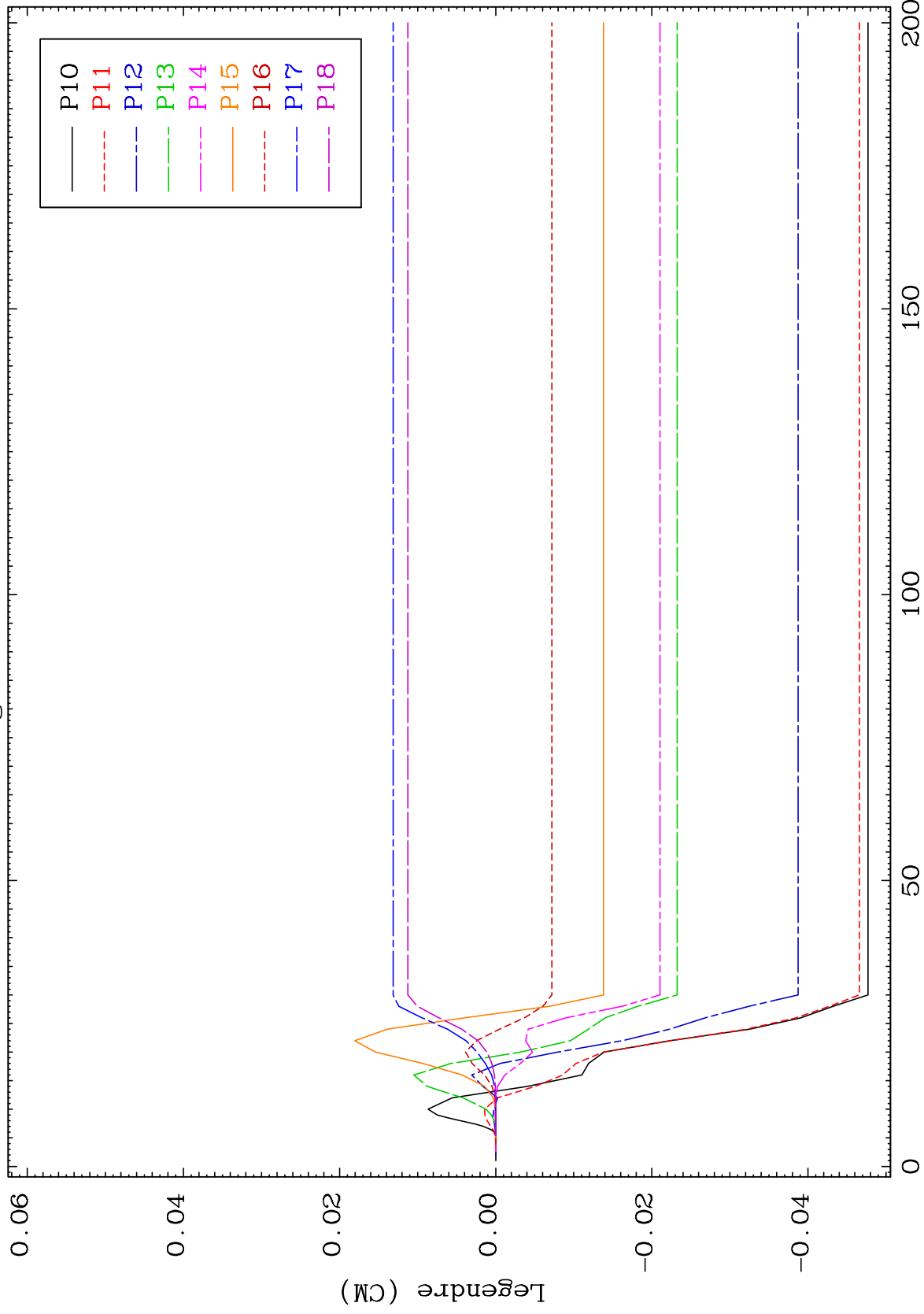
Incident Energy (MeV)

57-La-129

MAT 5698

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

57-La-129



112

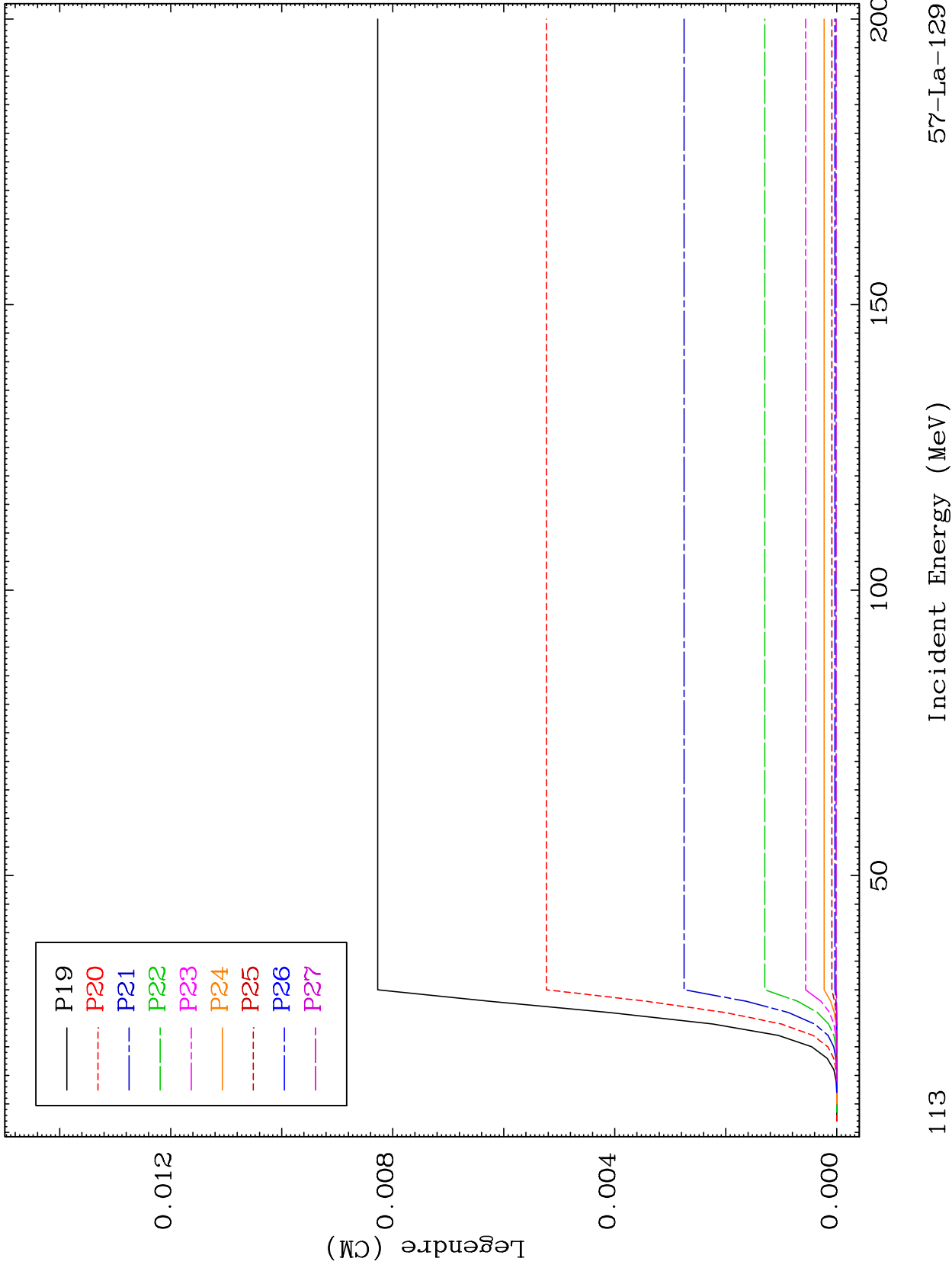
Incident Energy (MeV)

57-La-129

MAT 5698

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

57-La-129



113

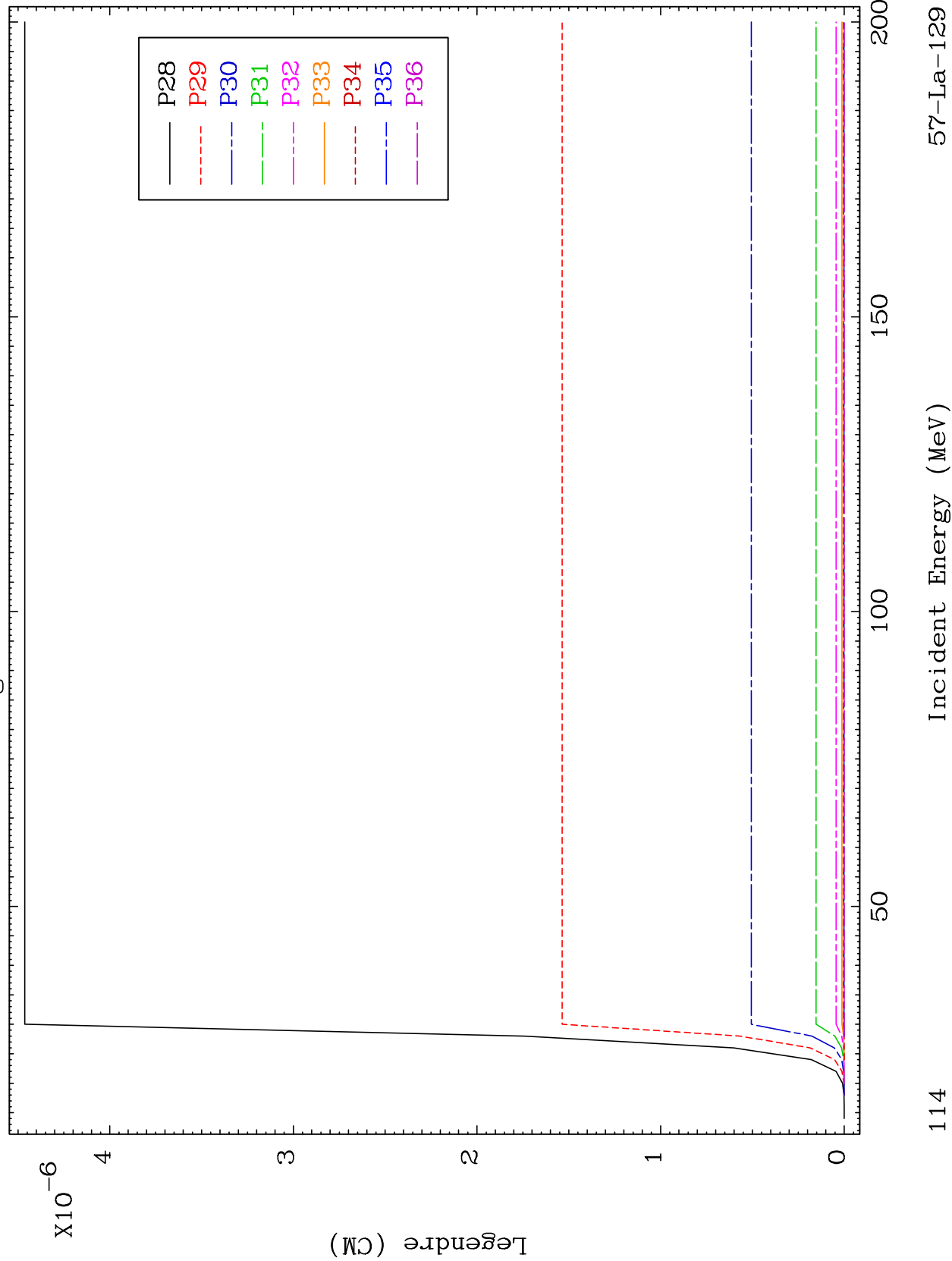
Incident Energy (MeV)

57-La-129

MAT 5698

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

57-La-129



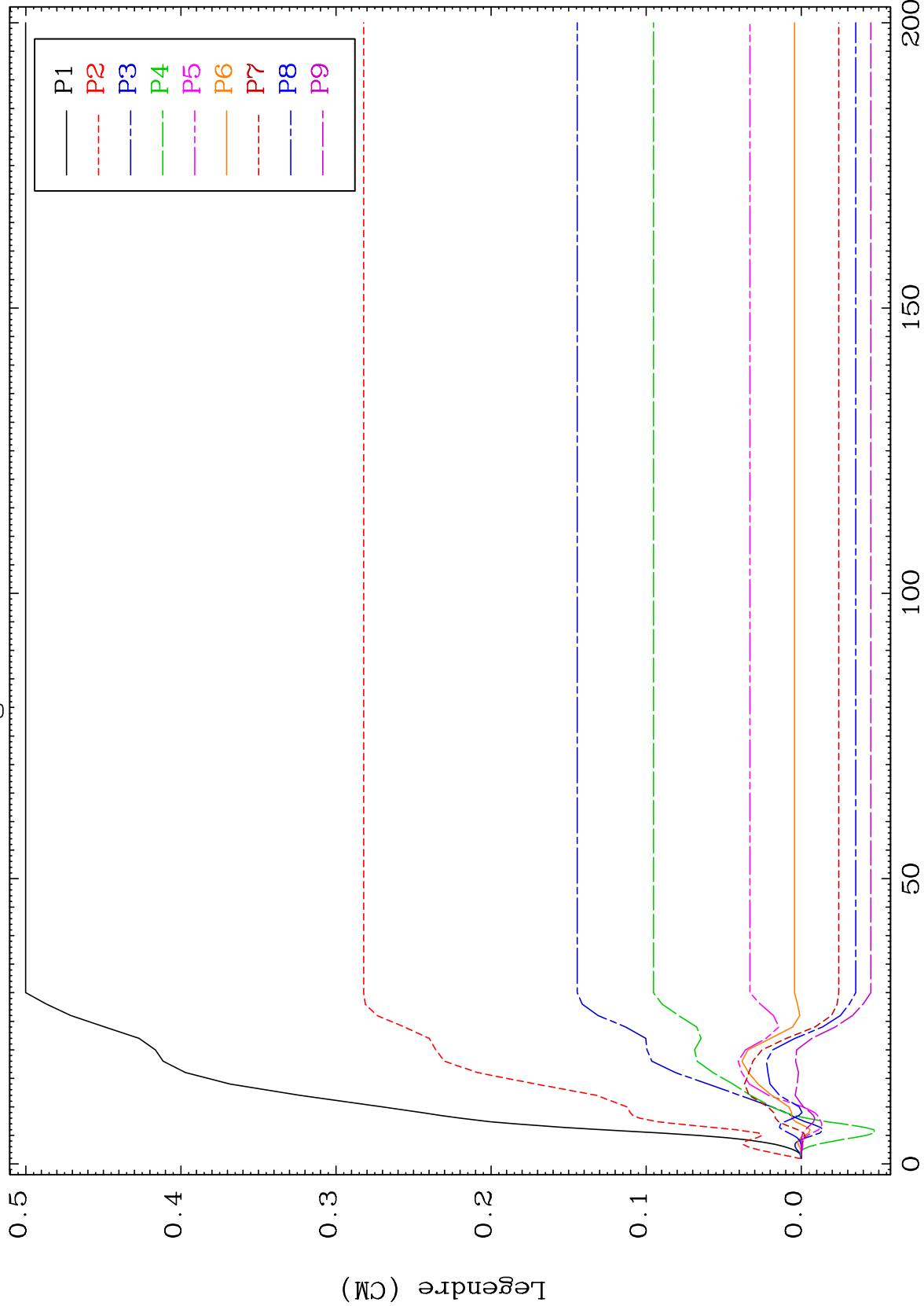
114

57-La-129

MAT 5698

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

57-La-129



57-La-129

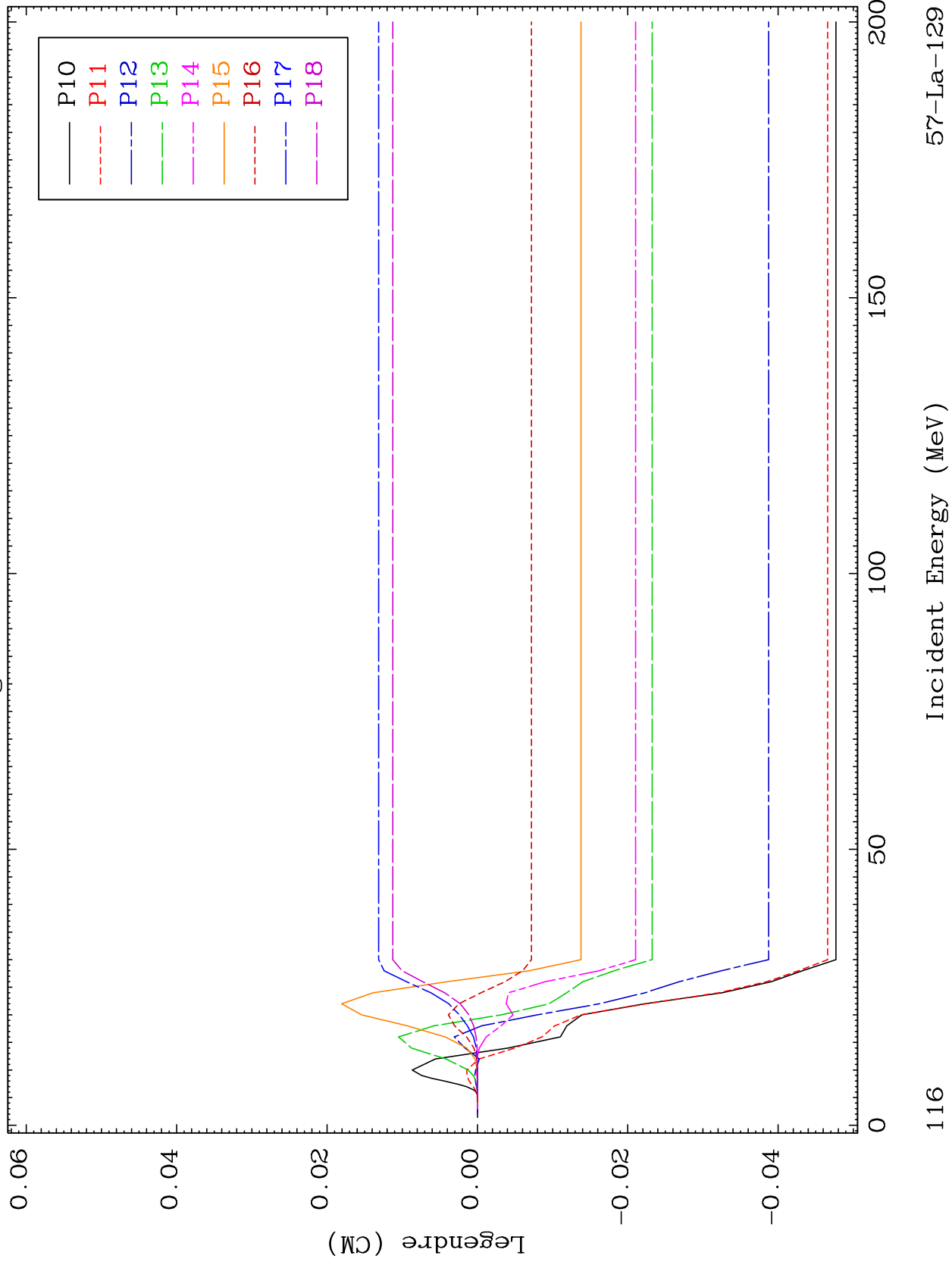
Incident Energy (MeV)

115

MAT 5698

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

57-La-129



57-La-129

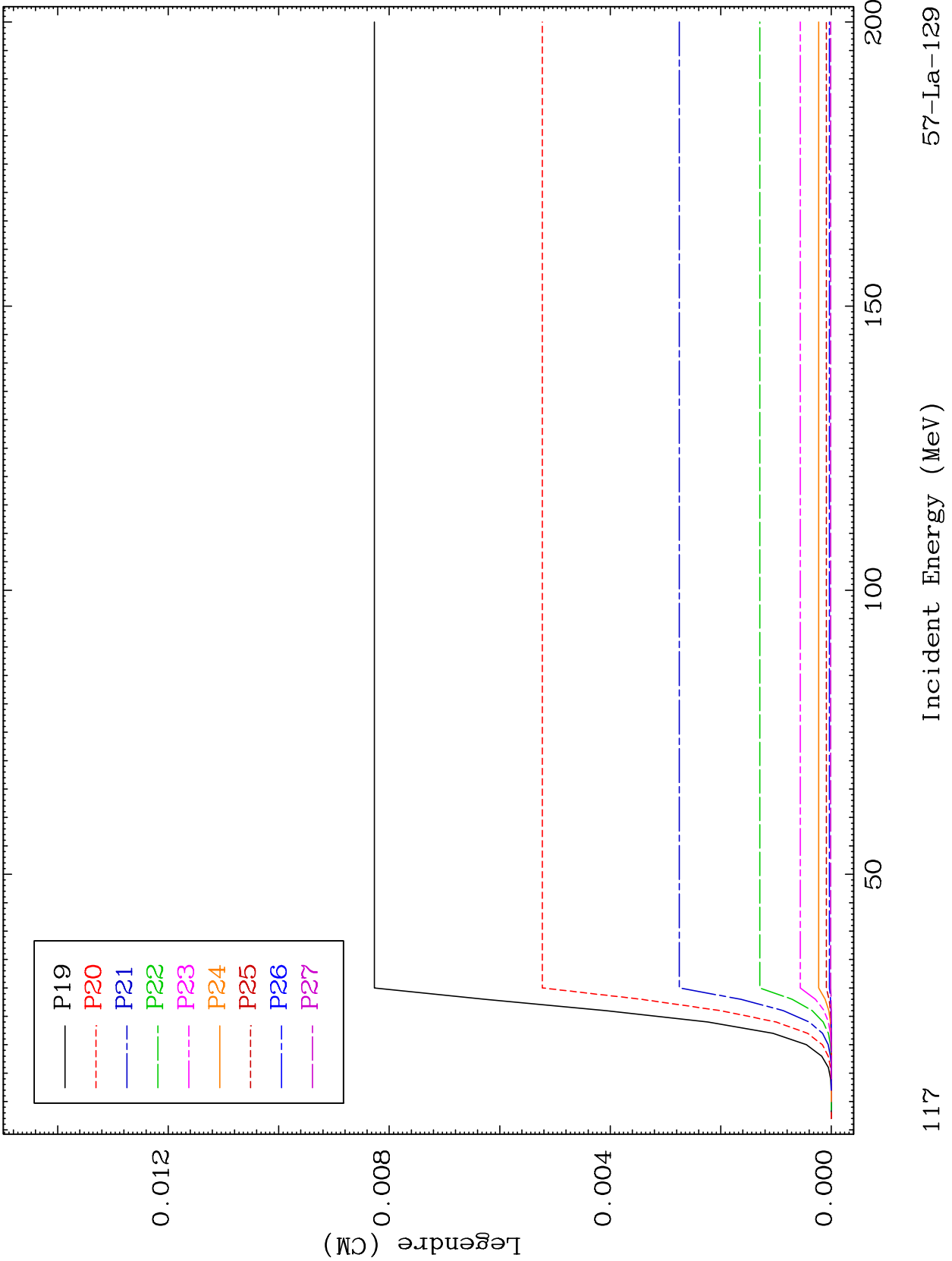
Incident Energy (MeV)

116

MAT 5698

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

57-La-129



117

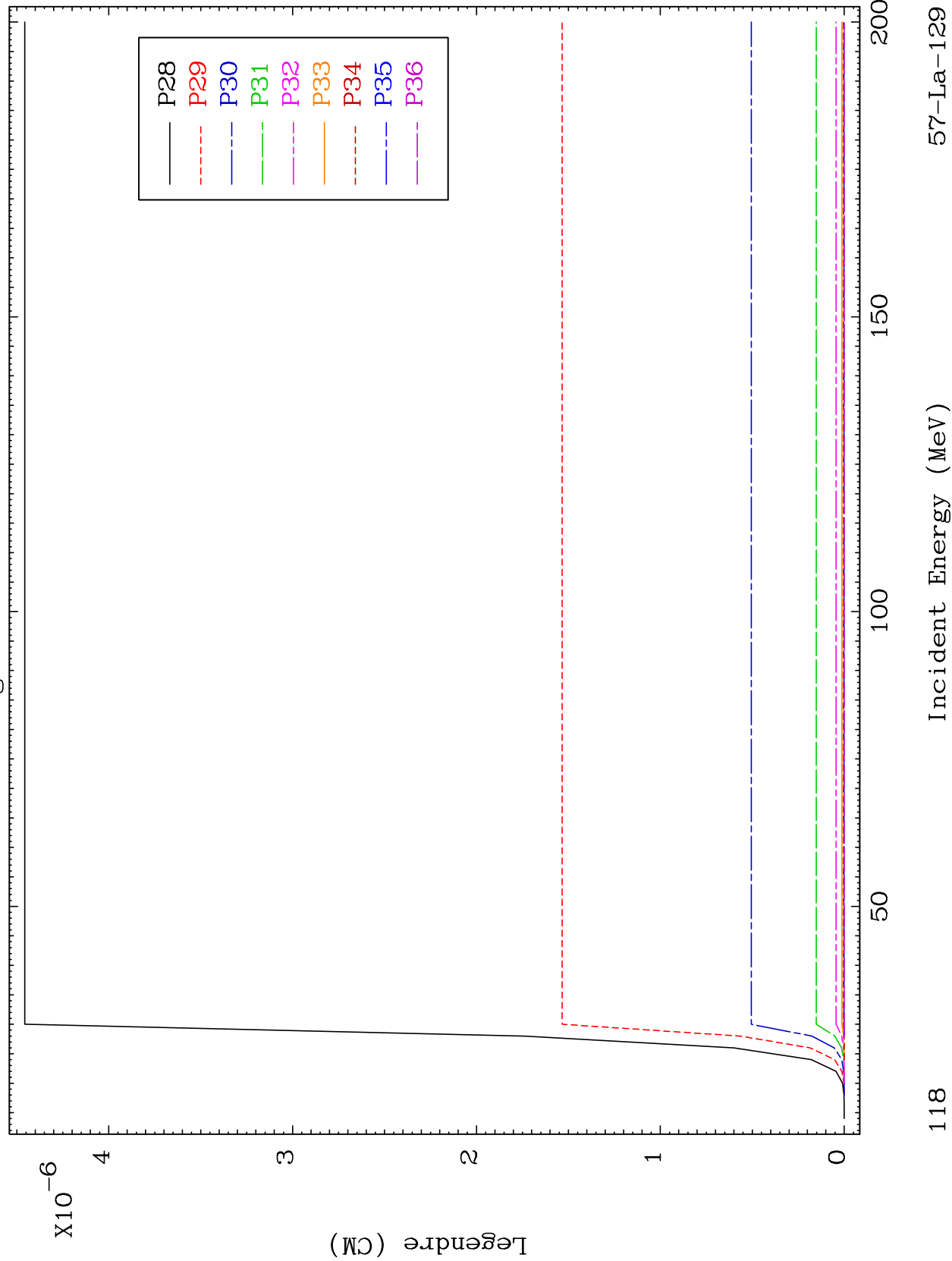
Incident Energy (MeV)

57-La-129

MAT 5698

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

57-La-129



118

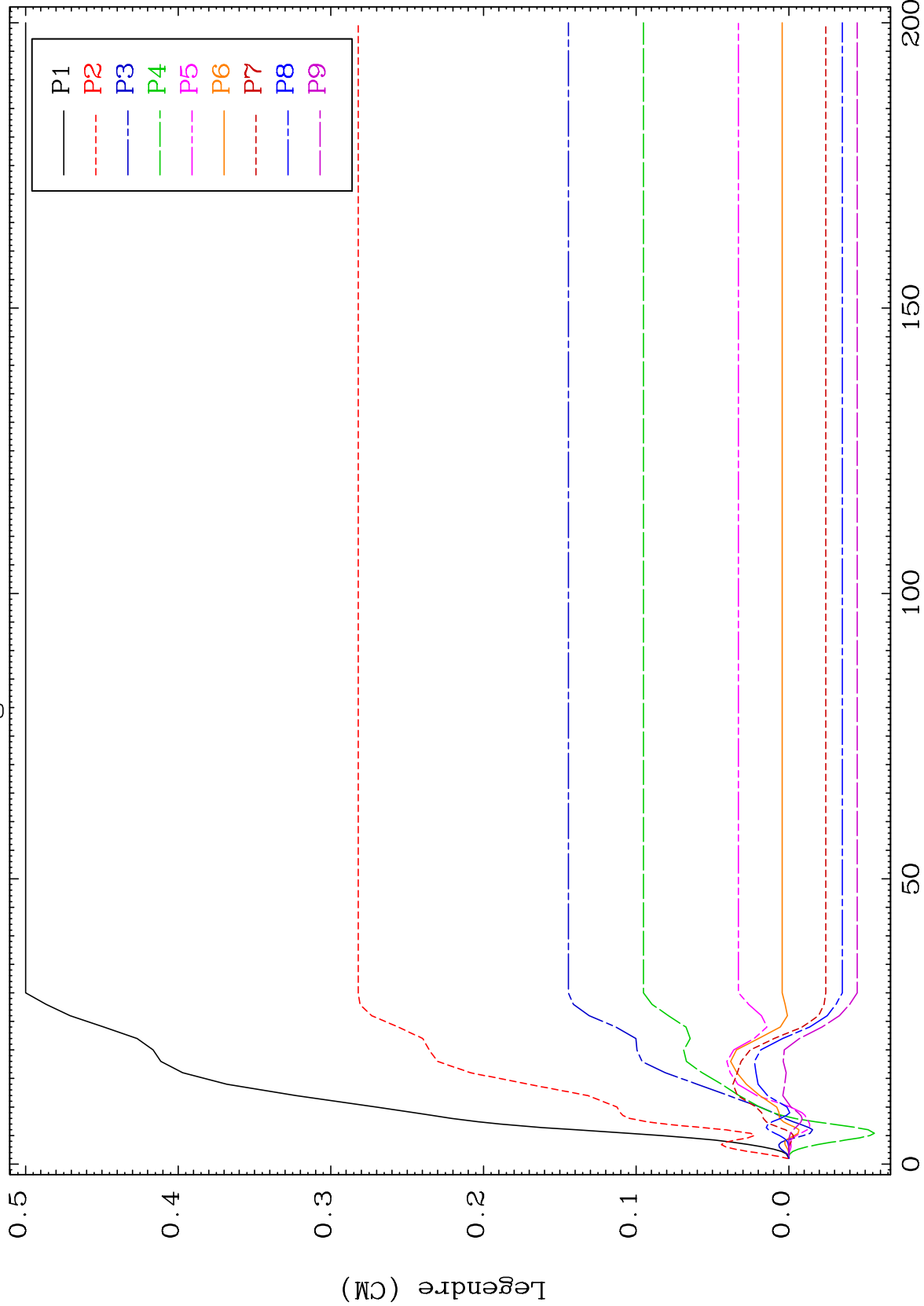
57-La-129

MAT 5698

MT= 76 (n,n') Level

57-La-129

Legendre Coefficients



119

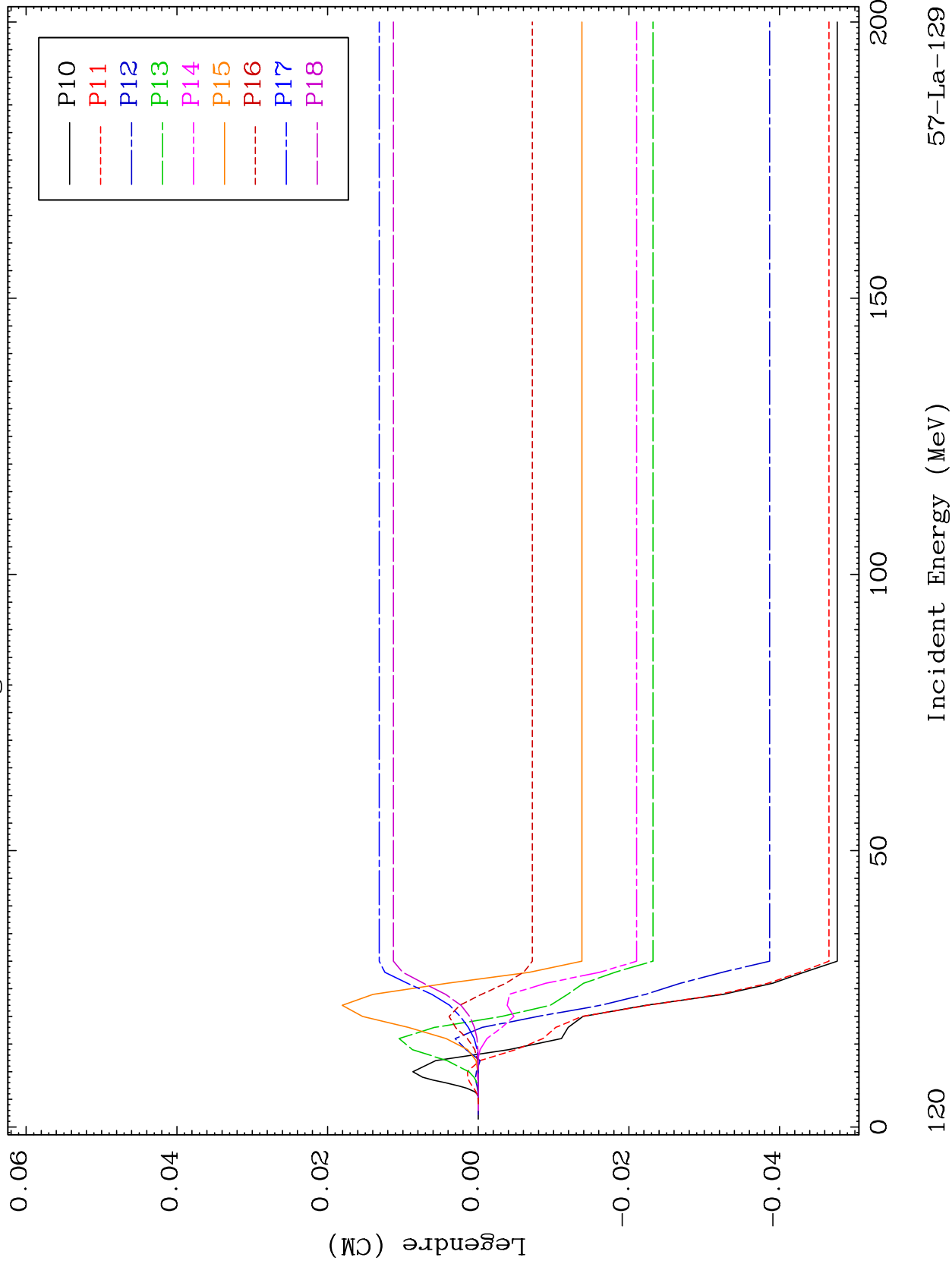
Incident Energy (MeV)

57-La-129

MAT 5698

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

57-La-129



57-La-129

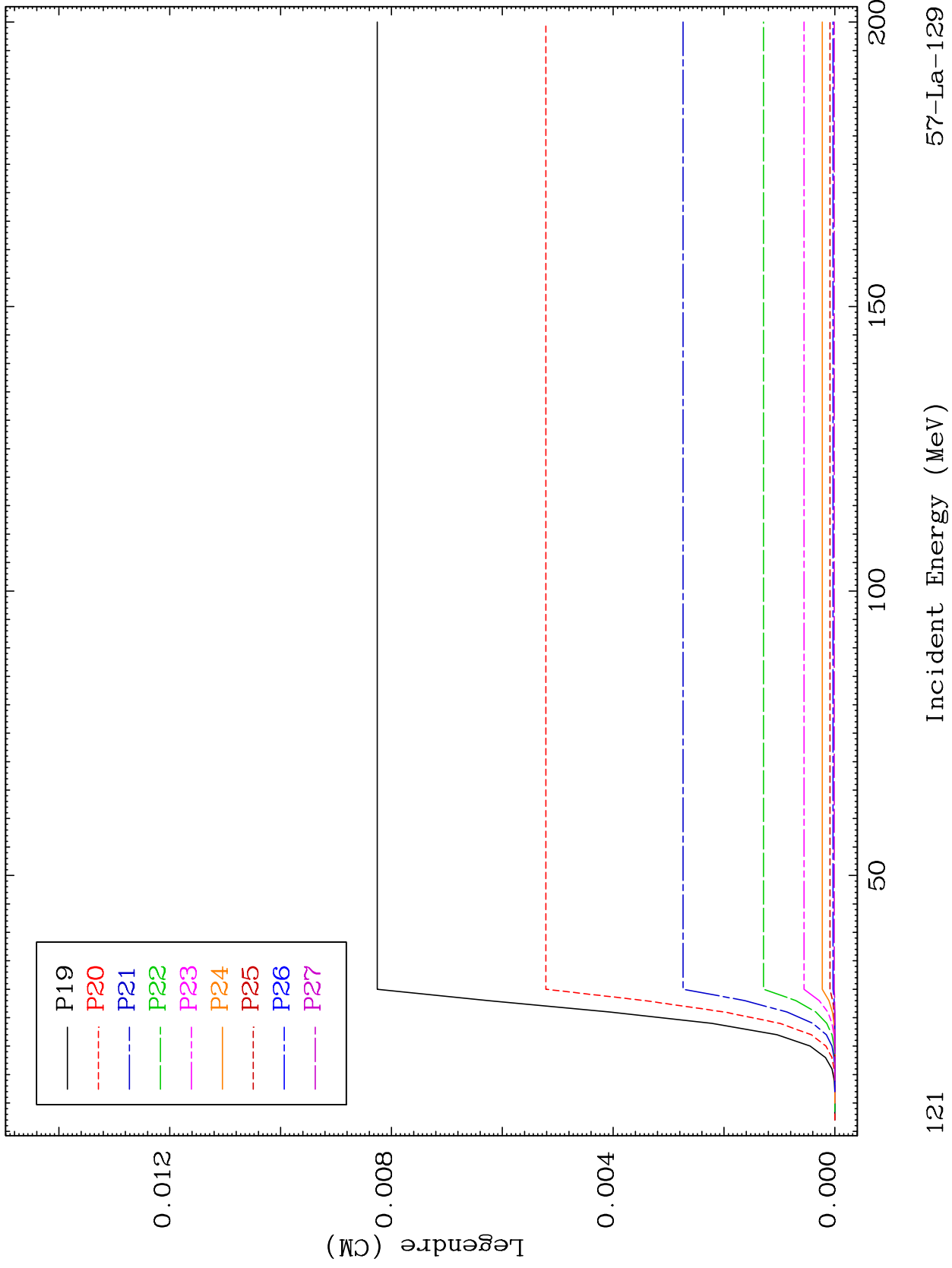
Incident Energy (MeV)

120

MAT 5698

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

57-La-129



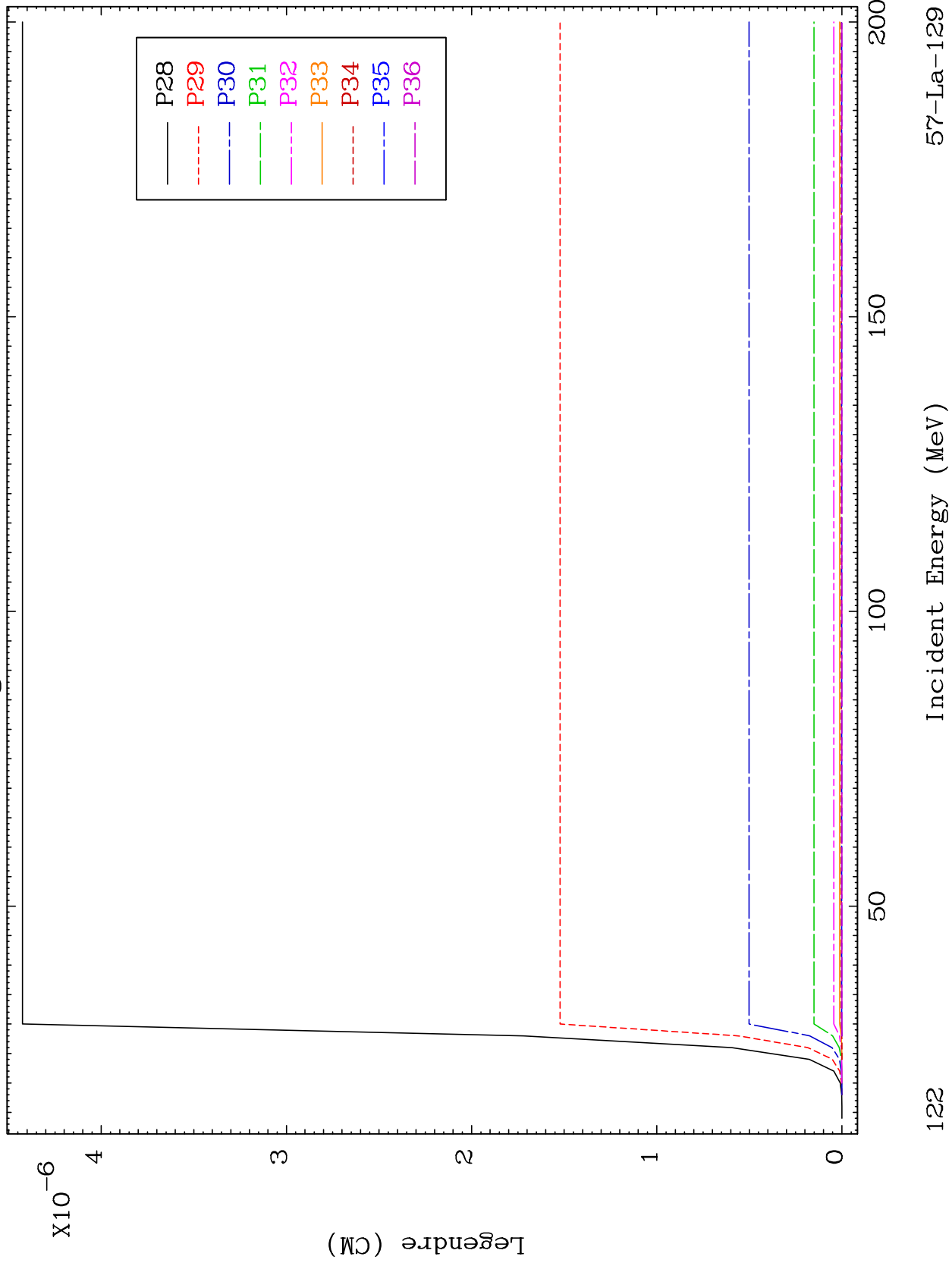
121

57-La-129

MAT 5698

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

57-La-129



122

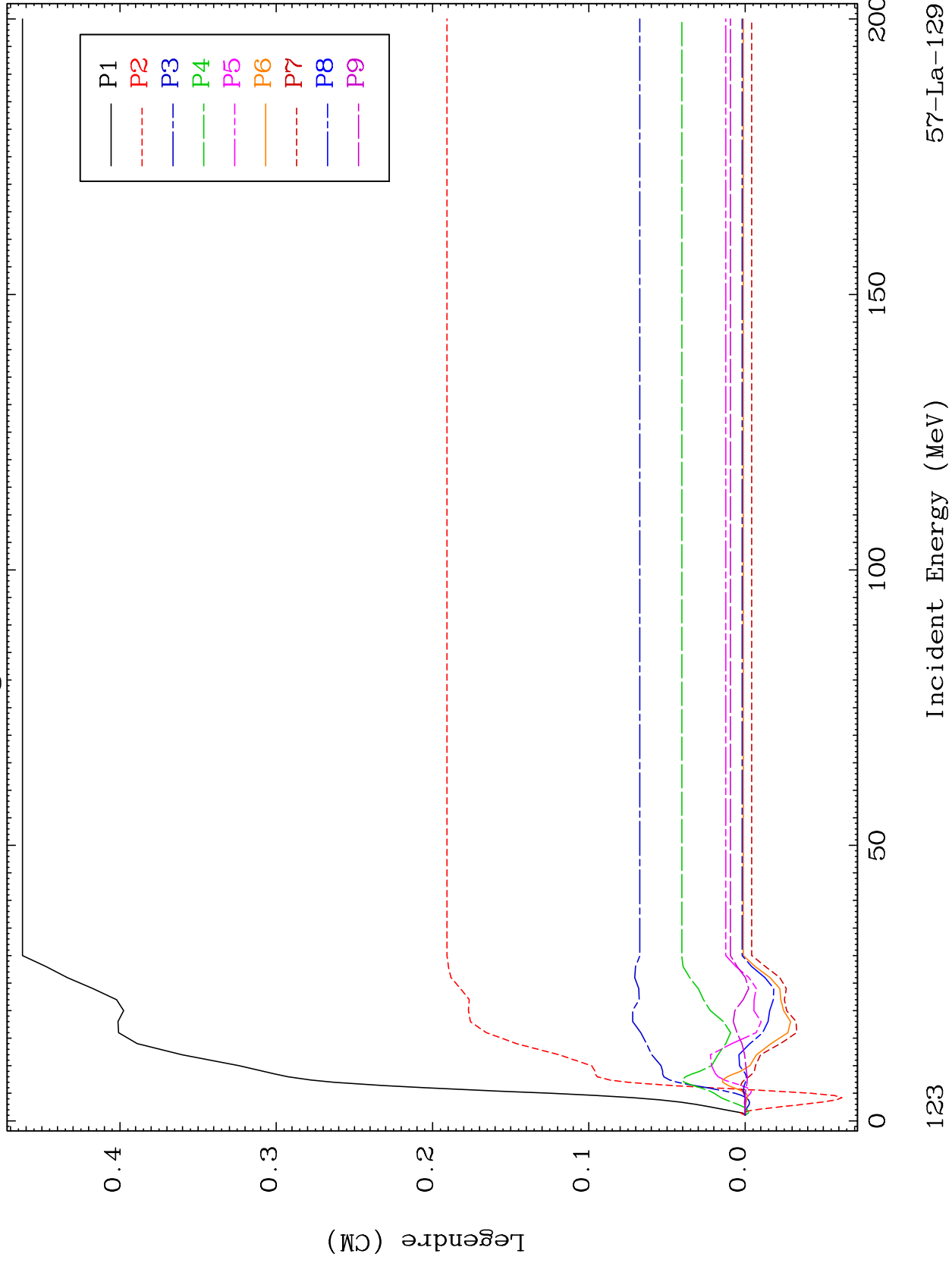
Incident Energy (MeV)

57-La-129

MAT 5698

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

57-La-129



57-La-129

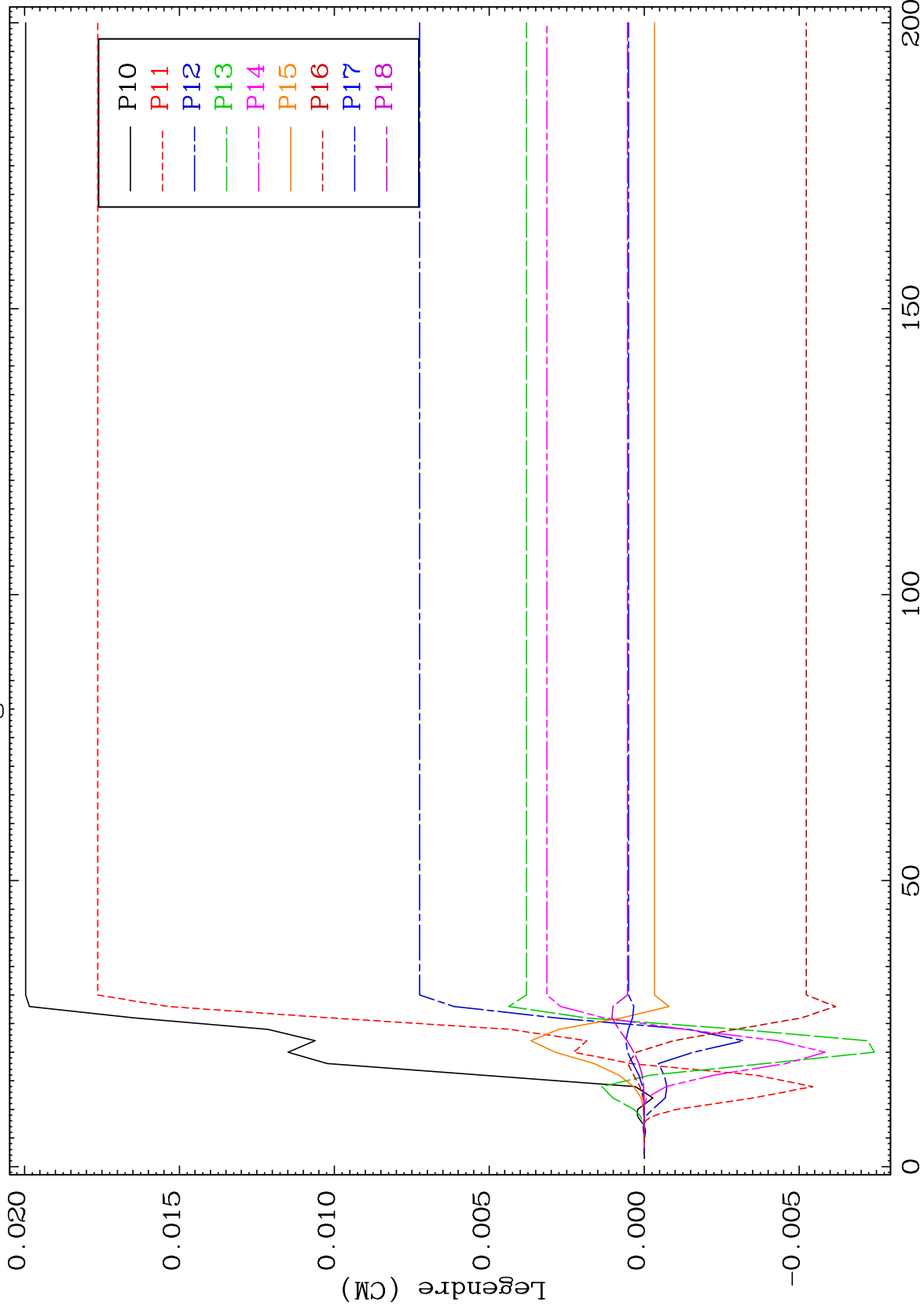
Incident Energy (MeV)

123

MAT 5698

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

57-La-129



57-La-129

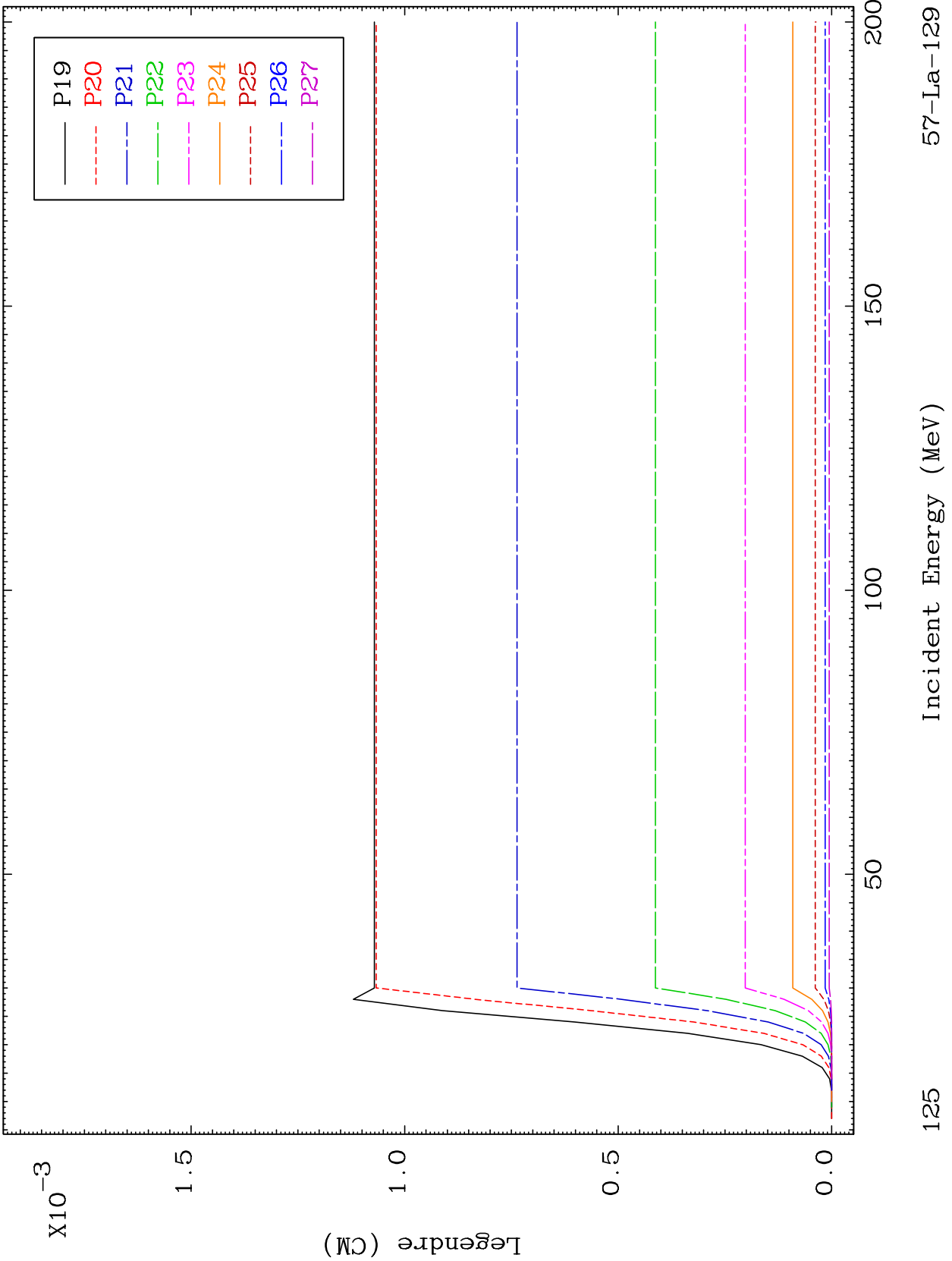
Incident Energy (MeV)

124

MAT 5698

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

57-La-129



125

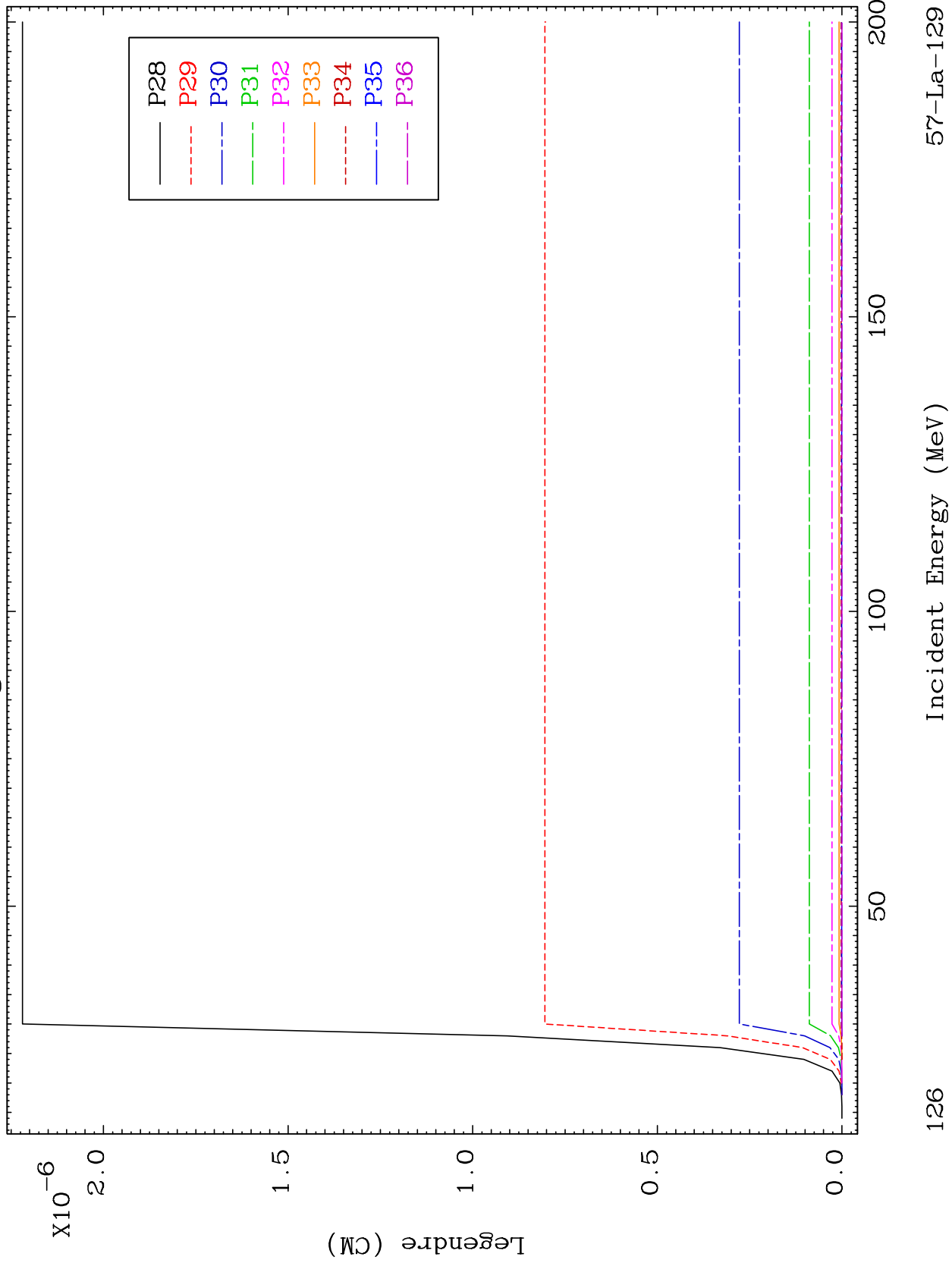
Incident Energy (MeV)

57-La-129

MAT 5698

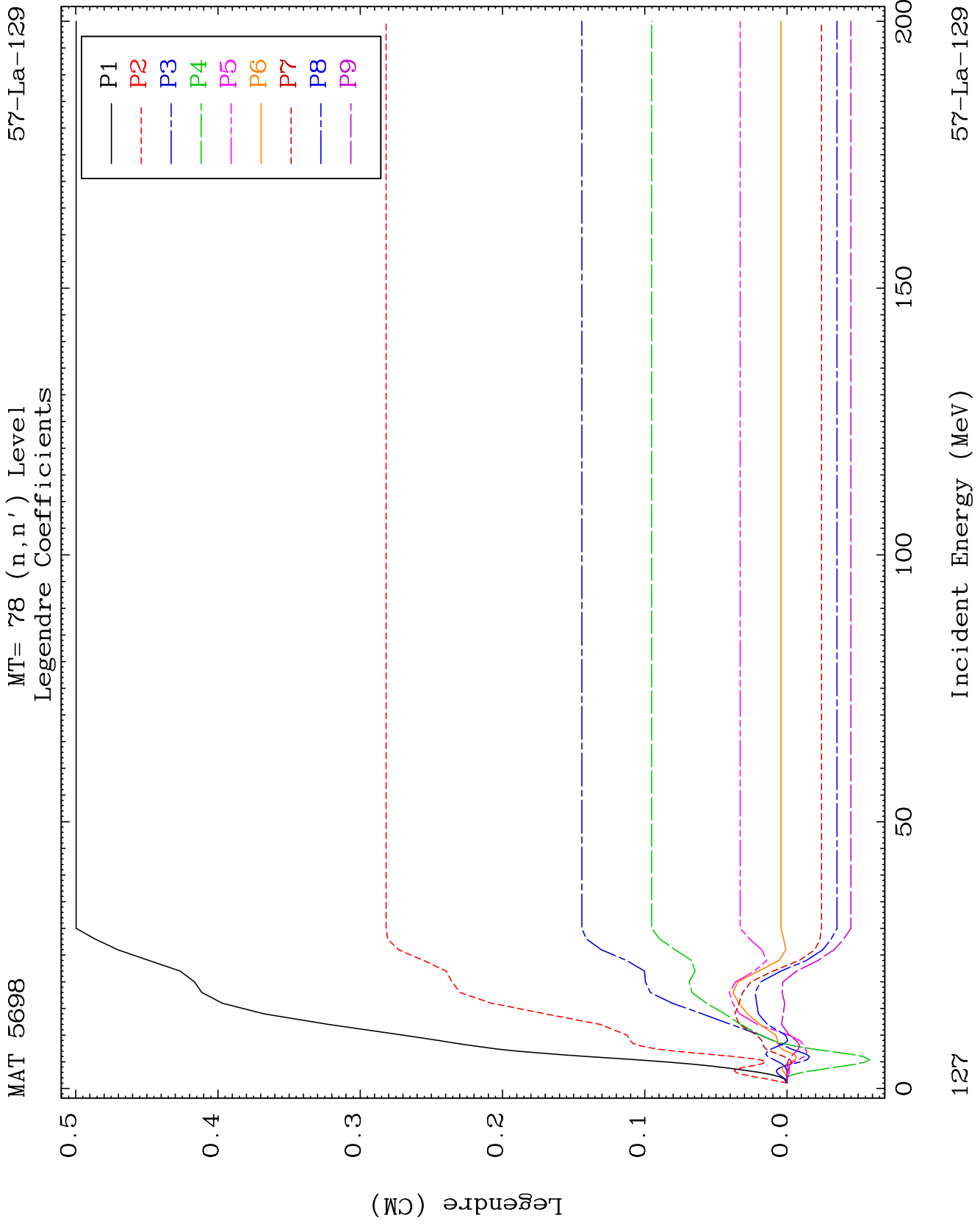
MT= 77 (n,n') Level
Legendre Coefficients

57-La-129



126

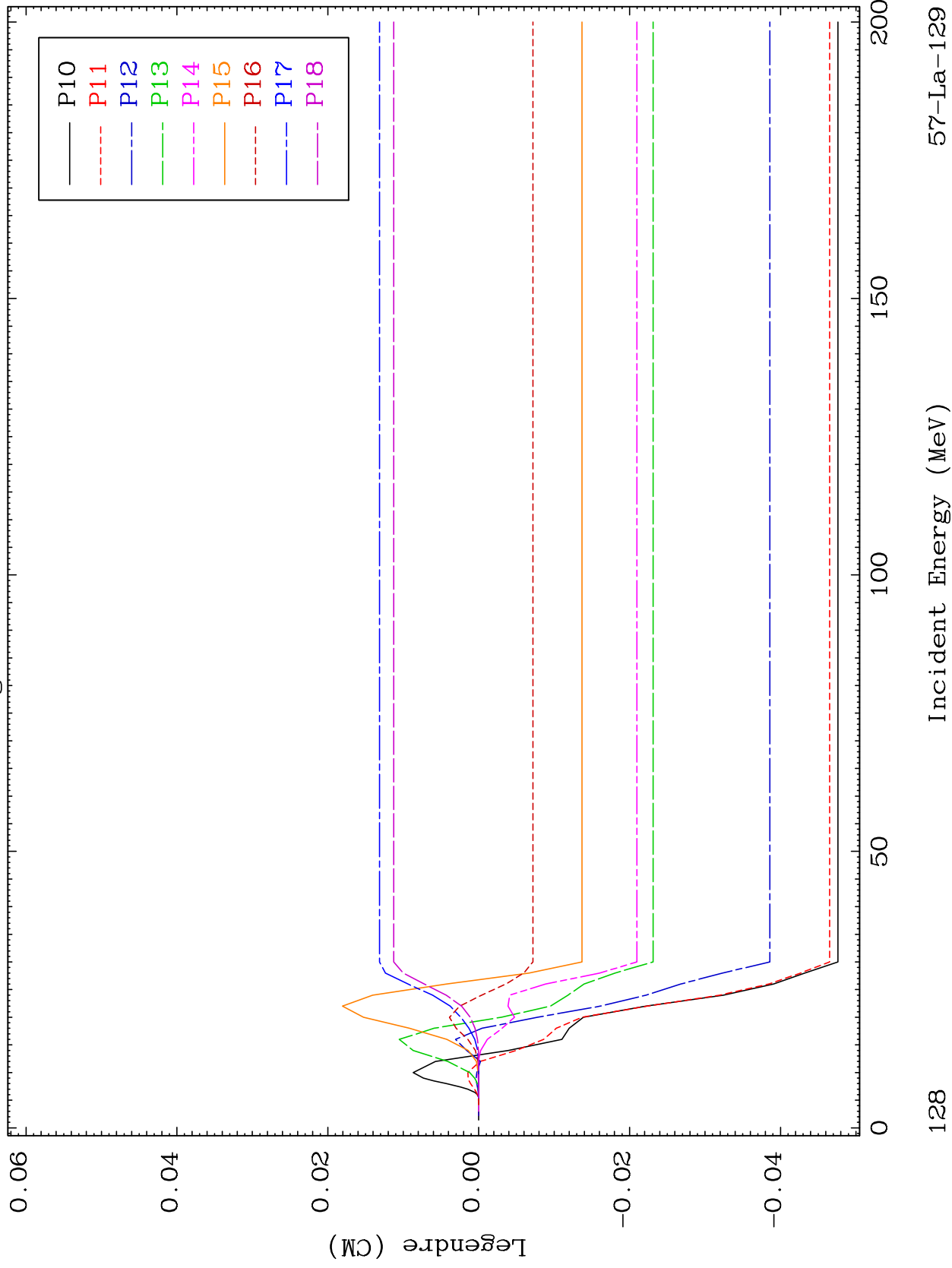
57-La-129



MAT 5698

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

57-La-129



57-La-129

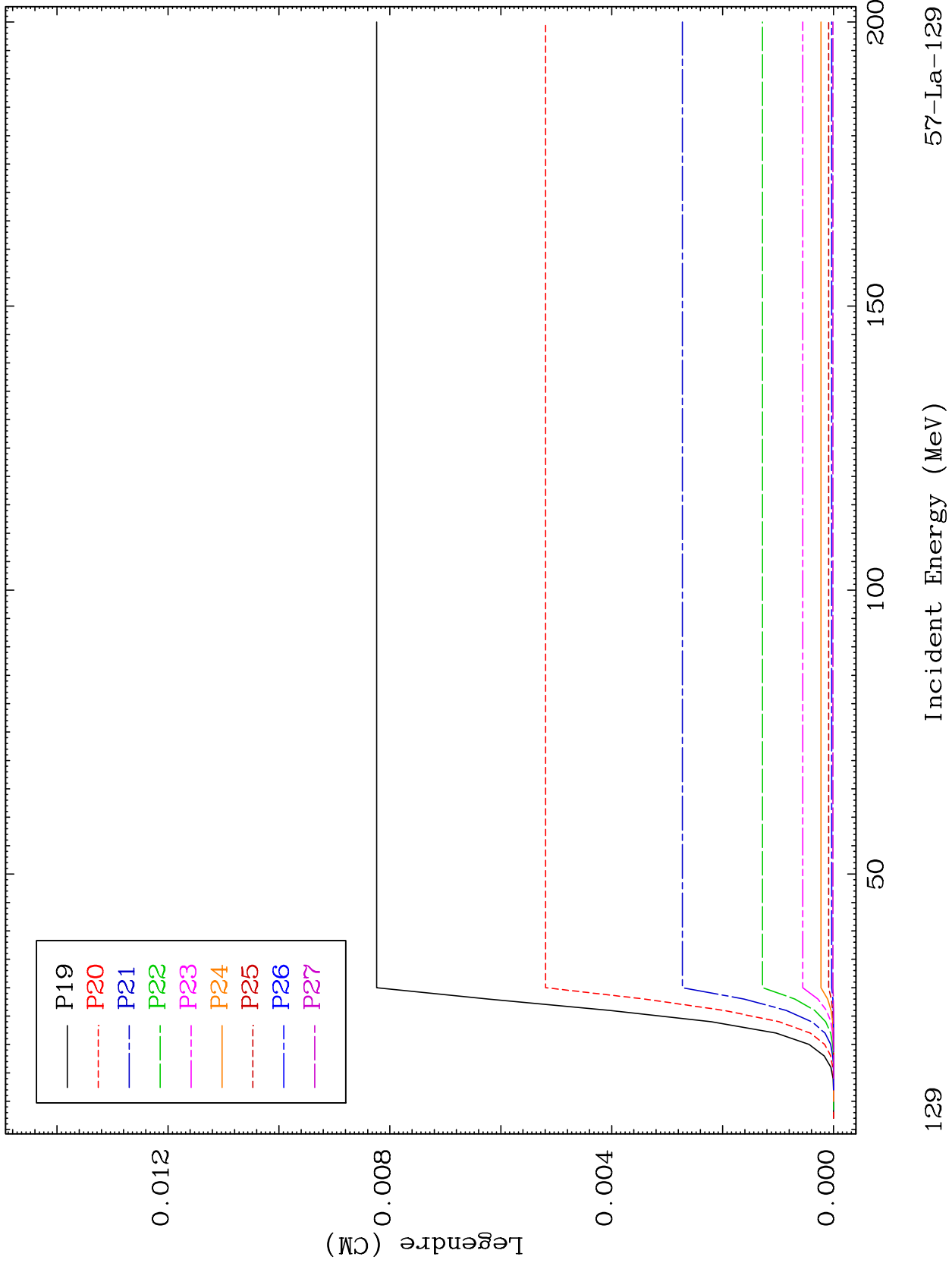
Incident Energy (MeV)

128

MAT 5698

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

57-La-129



129

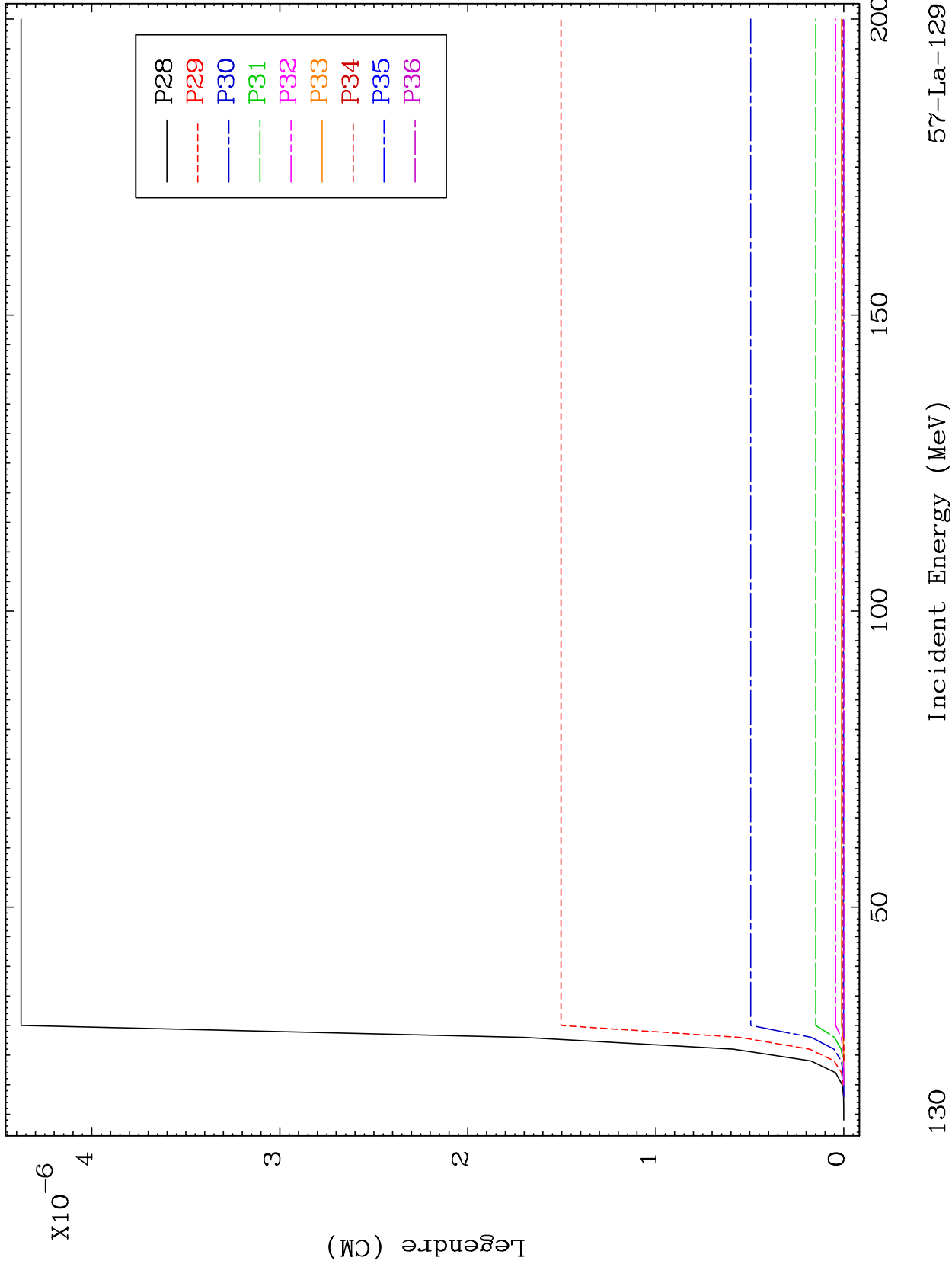
Incident Energy (MeV)

57-La-129

MAT 5698

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

57-La-129



130

Incident Energy (MeV)

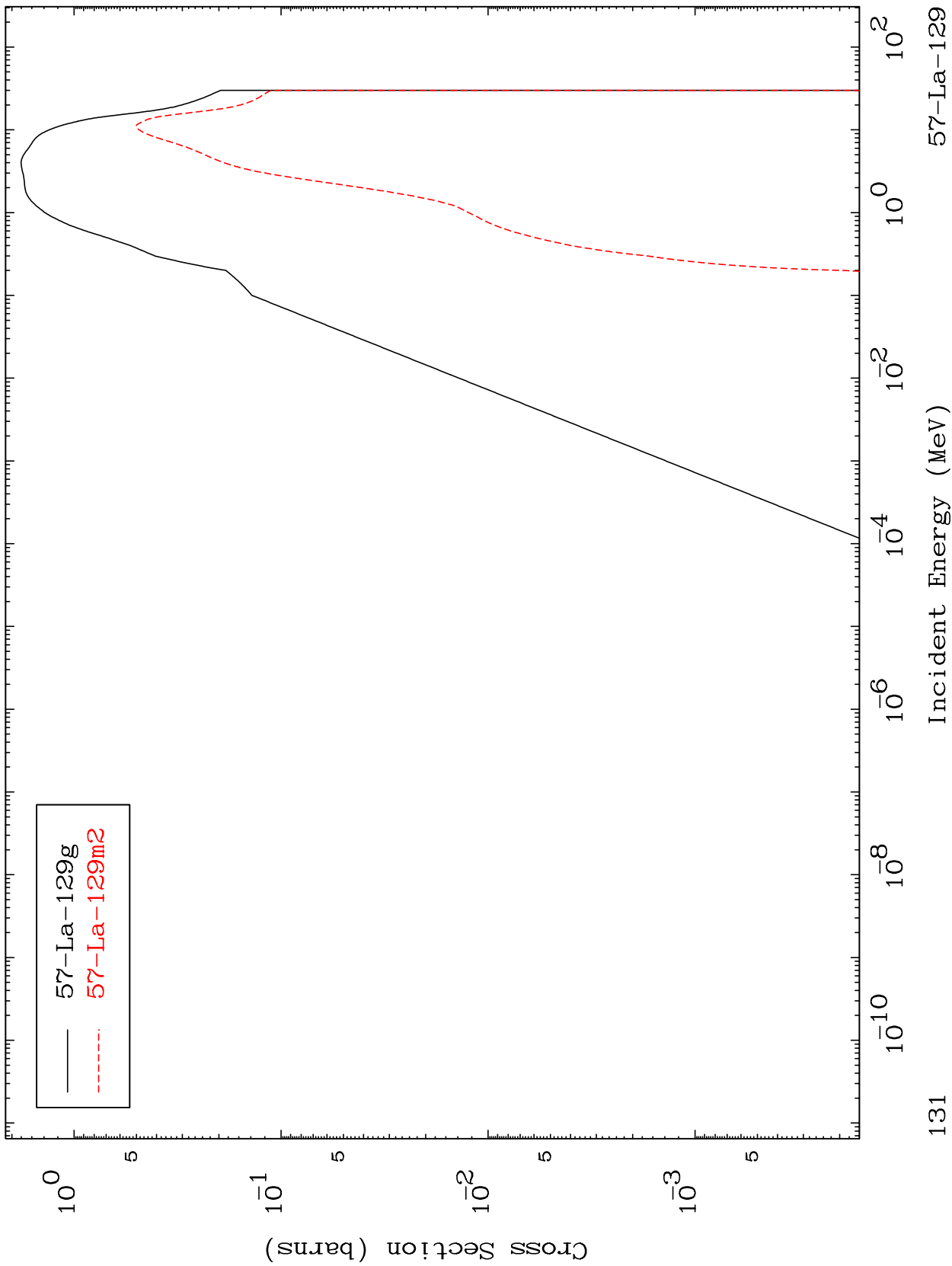
57-La-129

MAT 5698

Inelastic

57-La-129

Radionuclide Production Cross Section



131

Incident Energy (MeV)

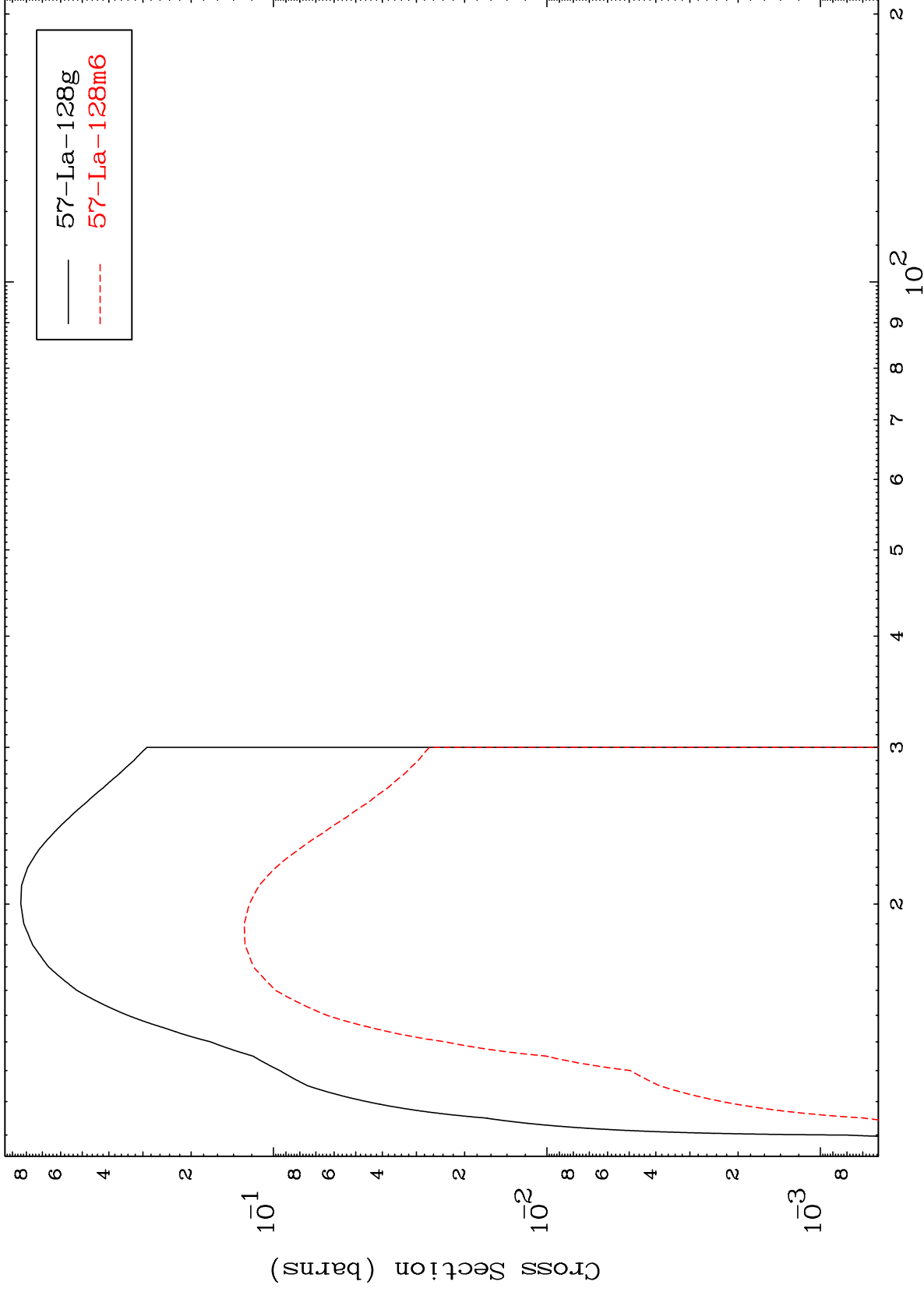
57-La-129

MAT 5698

(n,2n)

57-La-129

Radionuclide Production Cross Section



132

Incident Energy (MeV)

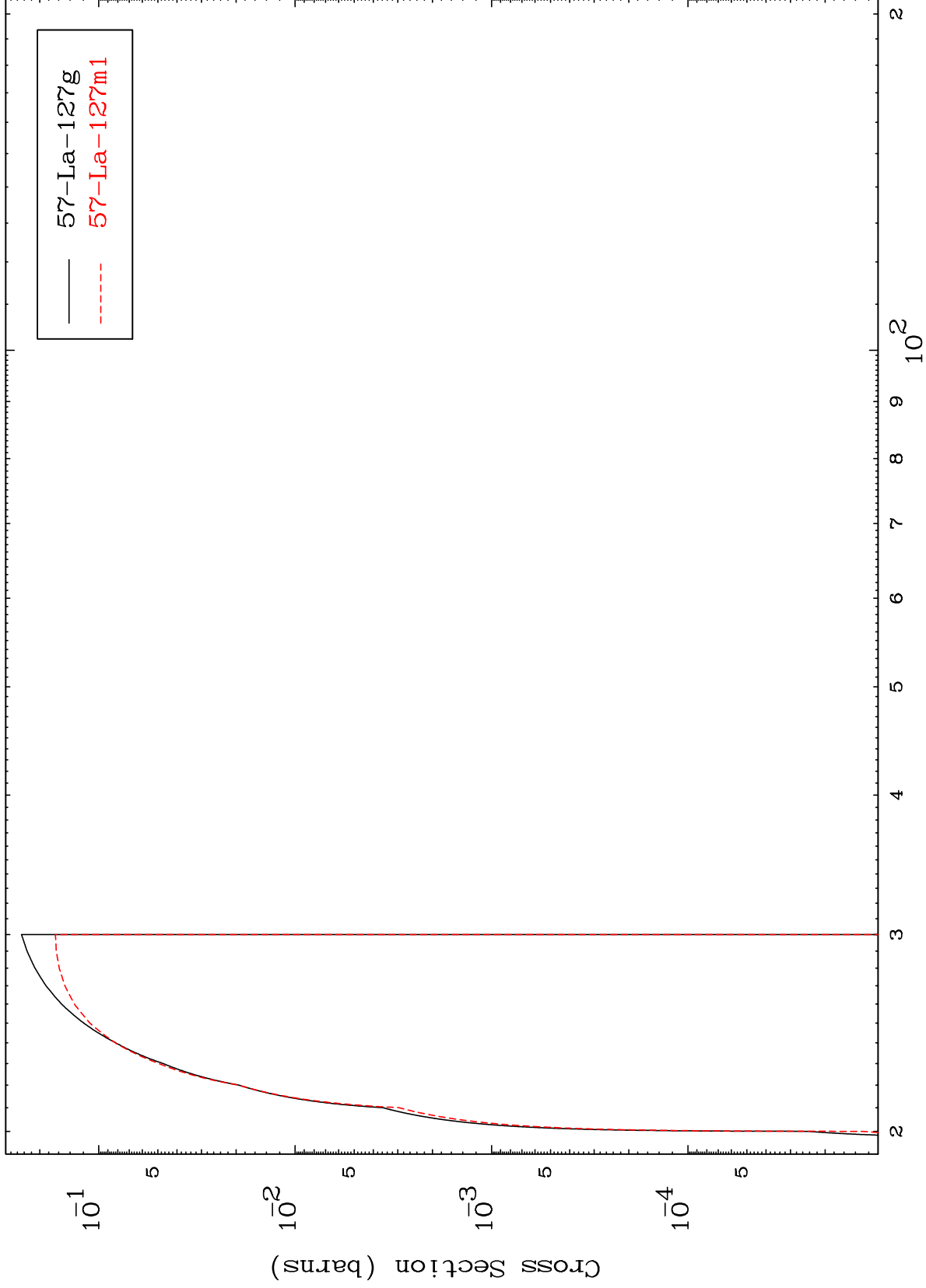
57-La-129

MAT 5698

(n,3n)

57-La-129

Radionuclide Production Cross Section



133

Incident Energy (MeV)

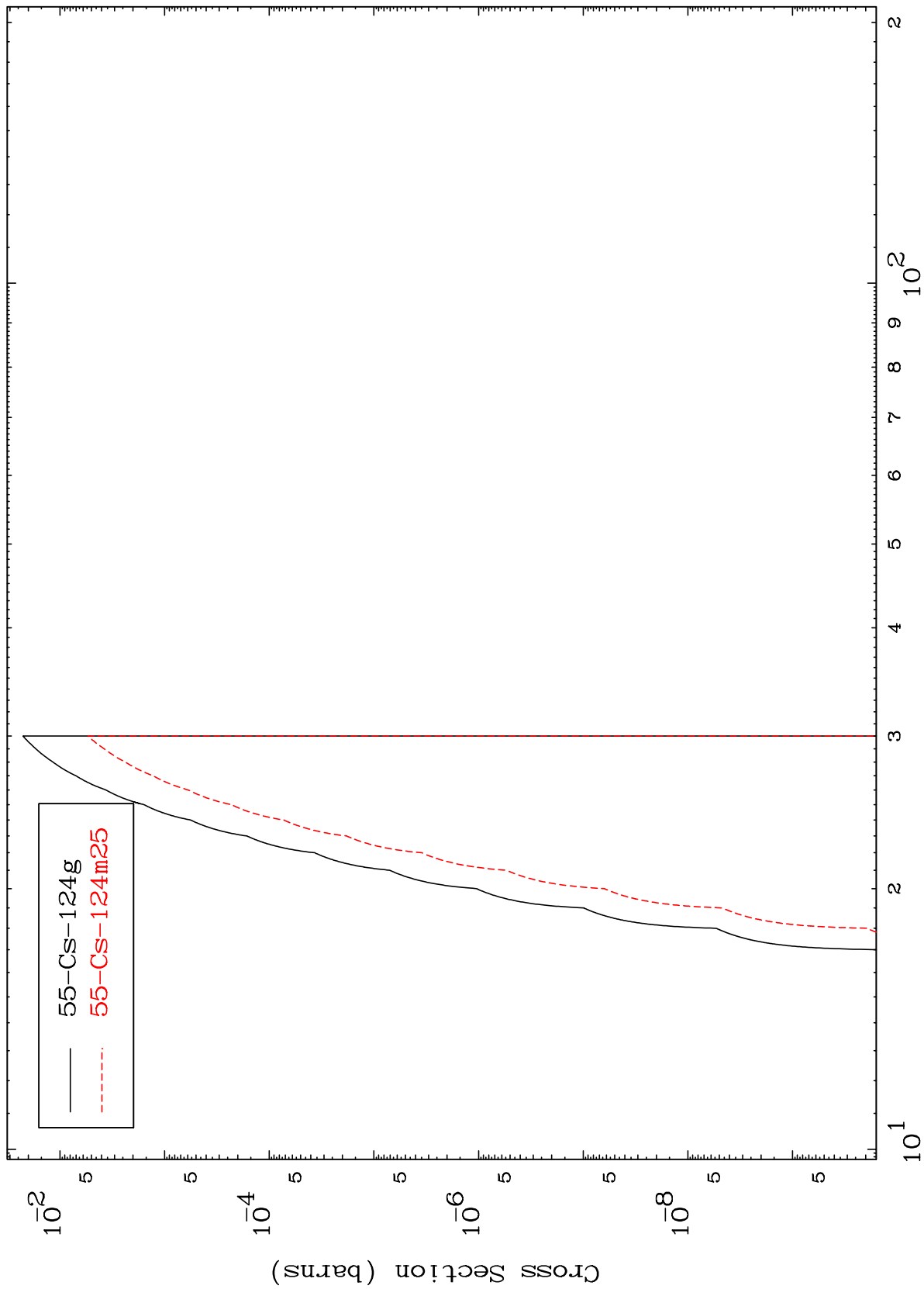
57-La-129

MAT 5698

(n,2n) α

57-La-129

Radionuclide Production Cross Section



Incident Energy (MeV)

57-La-129

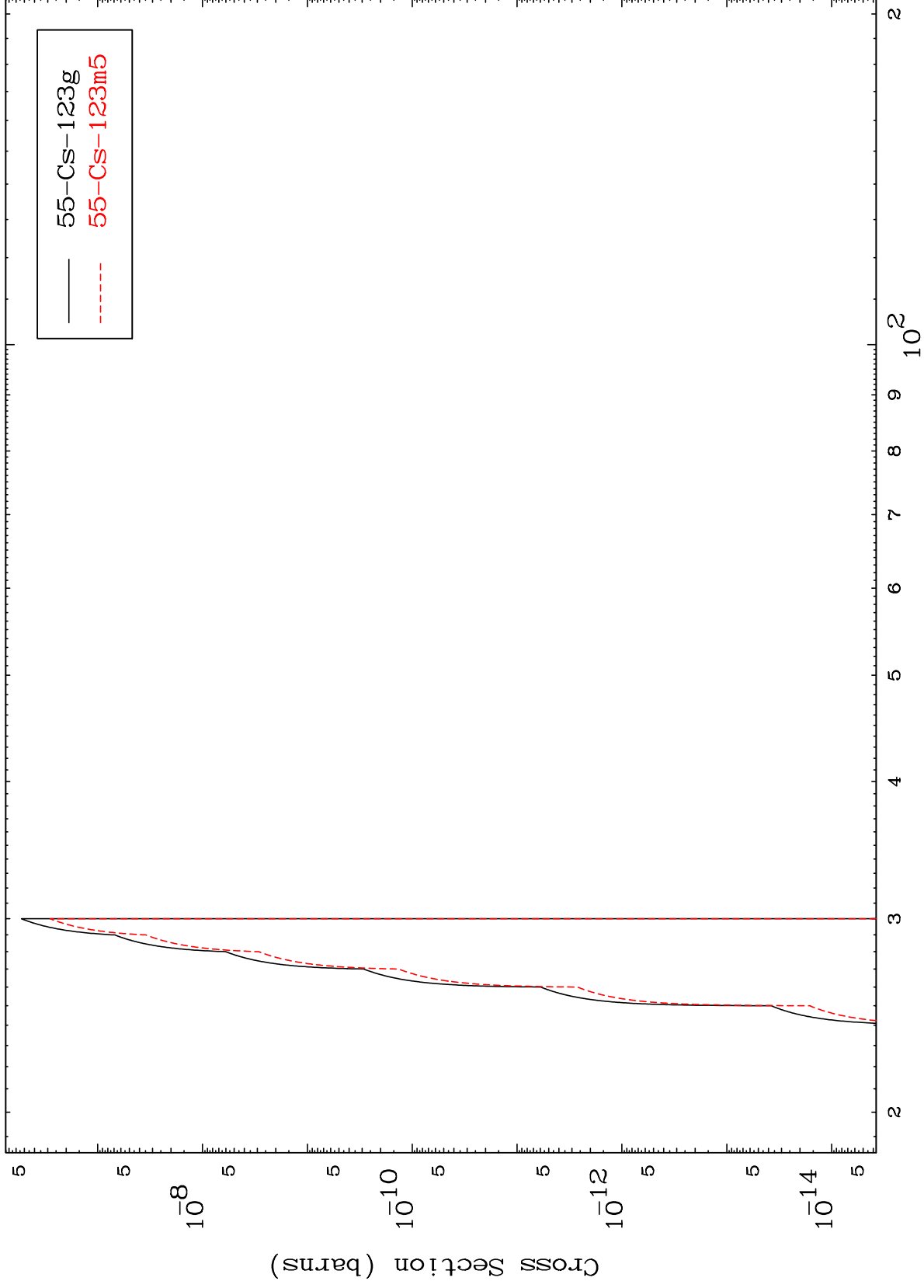
134

MAT 5698

$(n,3n) \alpha$

57-La-129

Radionuclide Production Cross Section

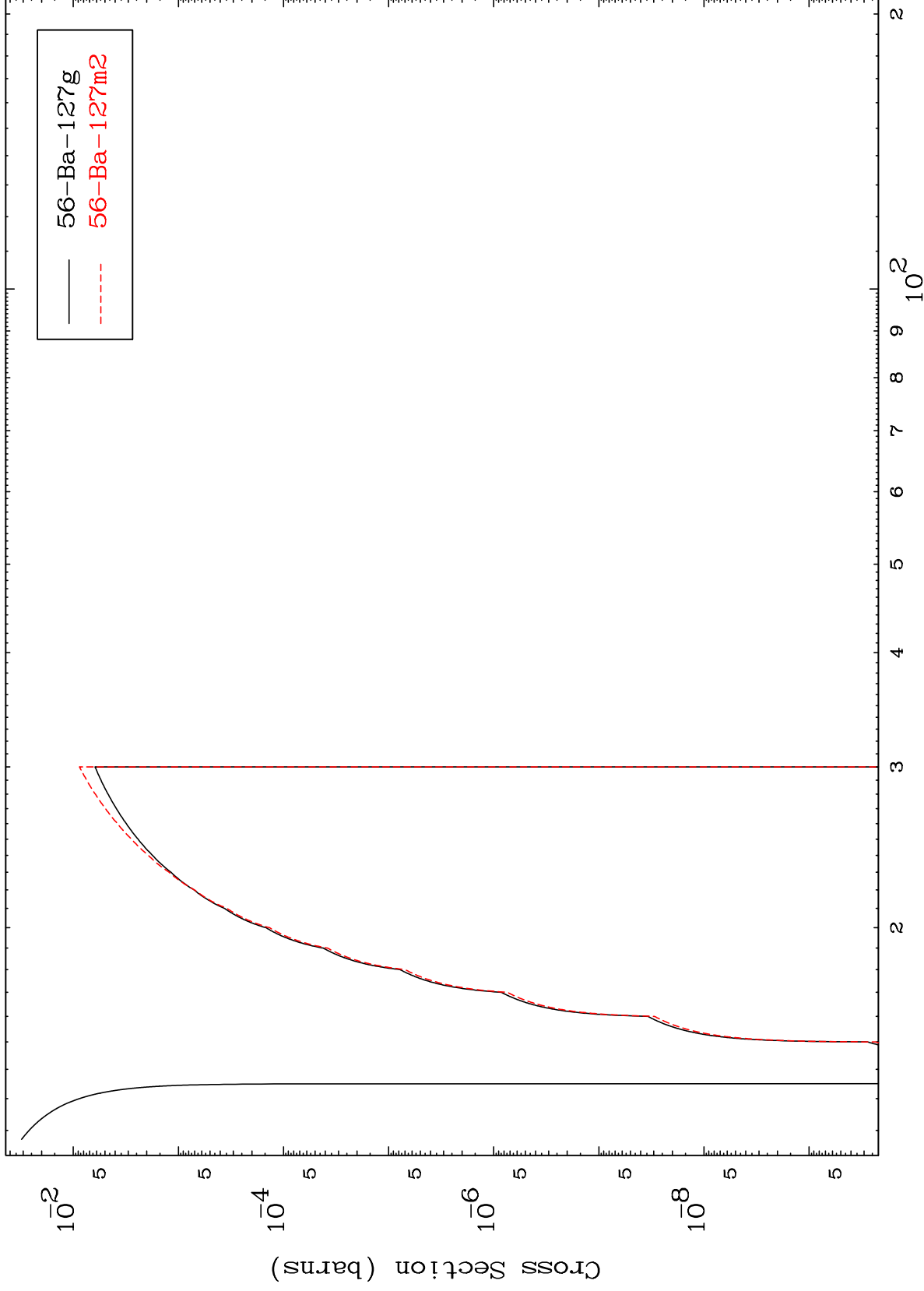


135

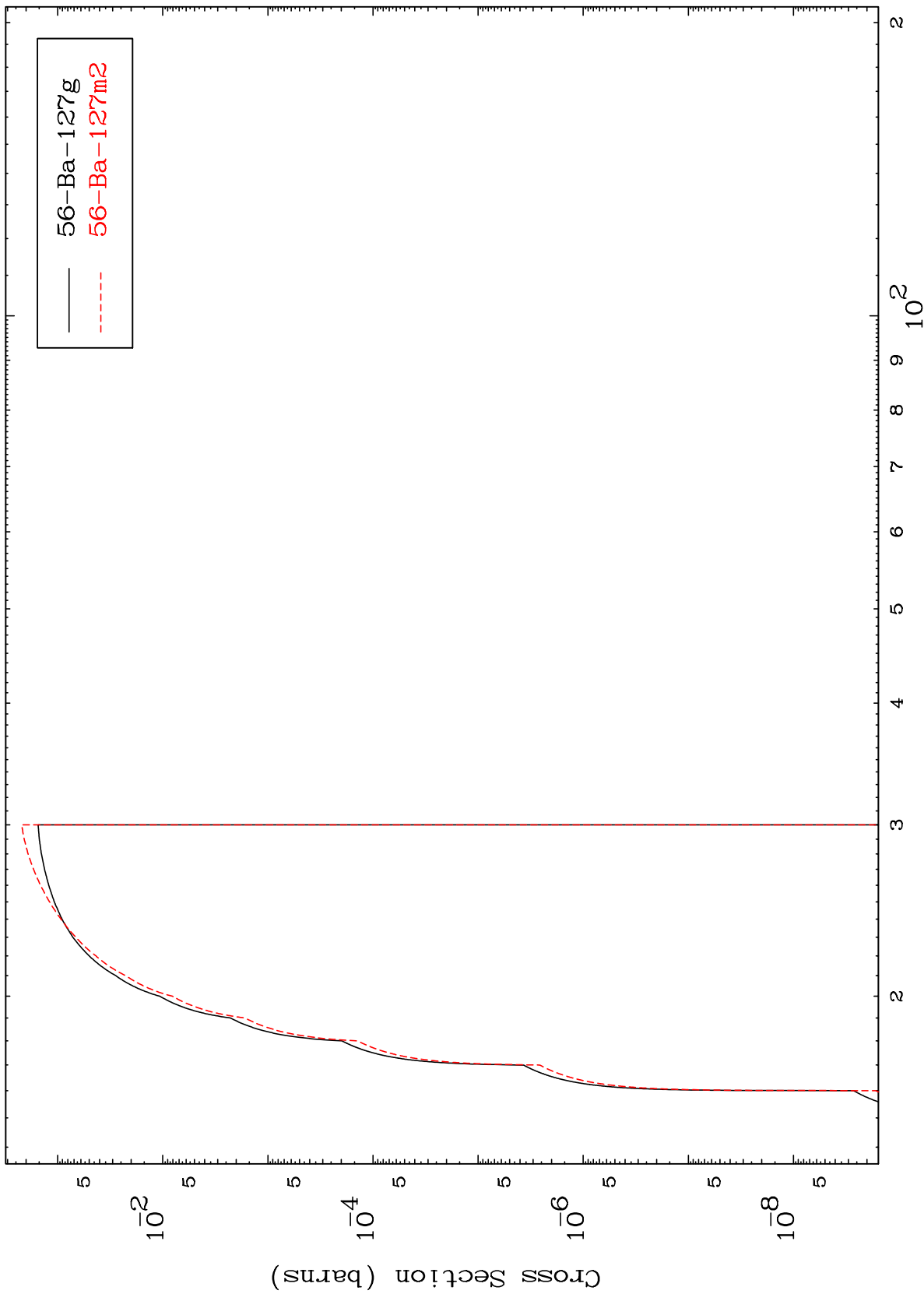
Incident Energy (MeV)

57-La-129

(n,n') d
Radionuclide Production Cross Section



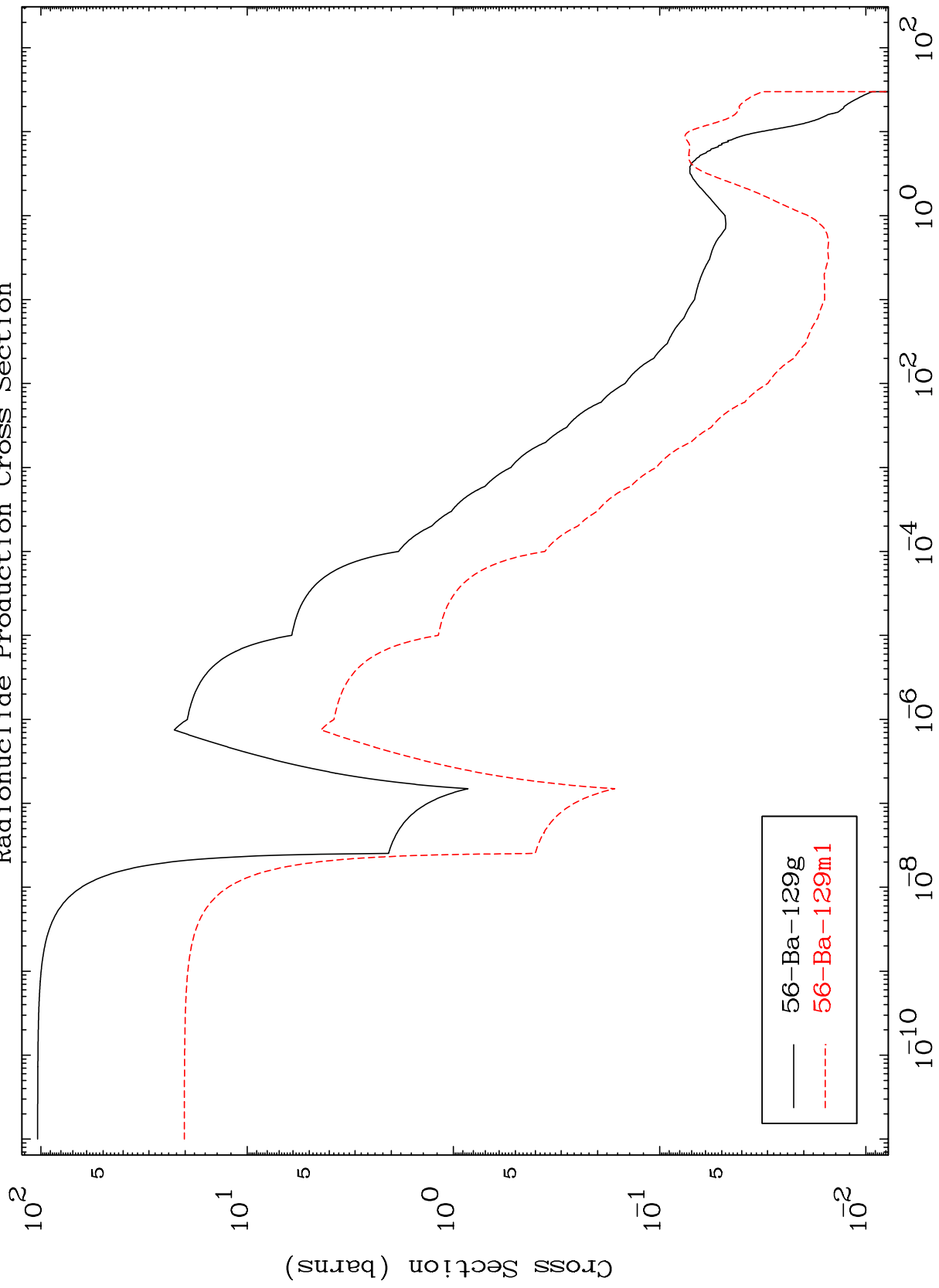
Radionuclide Production Cross Section



MAT 5698

57-La-129

Radionuclide Production Cross Section



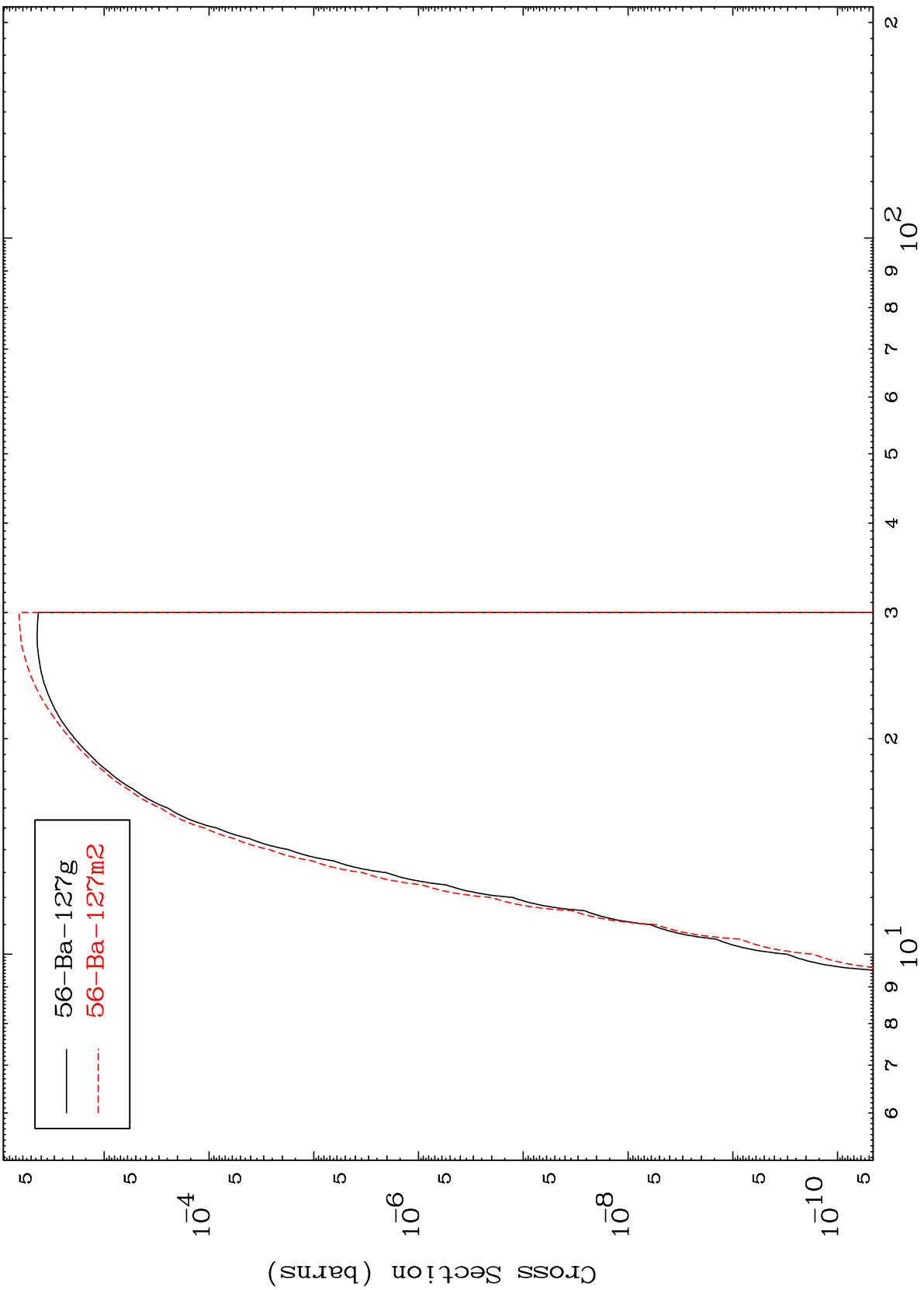
138

57-La-129

MAT 5698

57-La-129

Radionuclide Production Cross Section



139

Incident Energy (MeV)

57-La-129

MAT 5698

(n,p) α

57-La-129

Radionuclide Production Cross Section

