

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

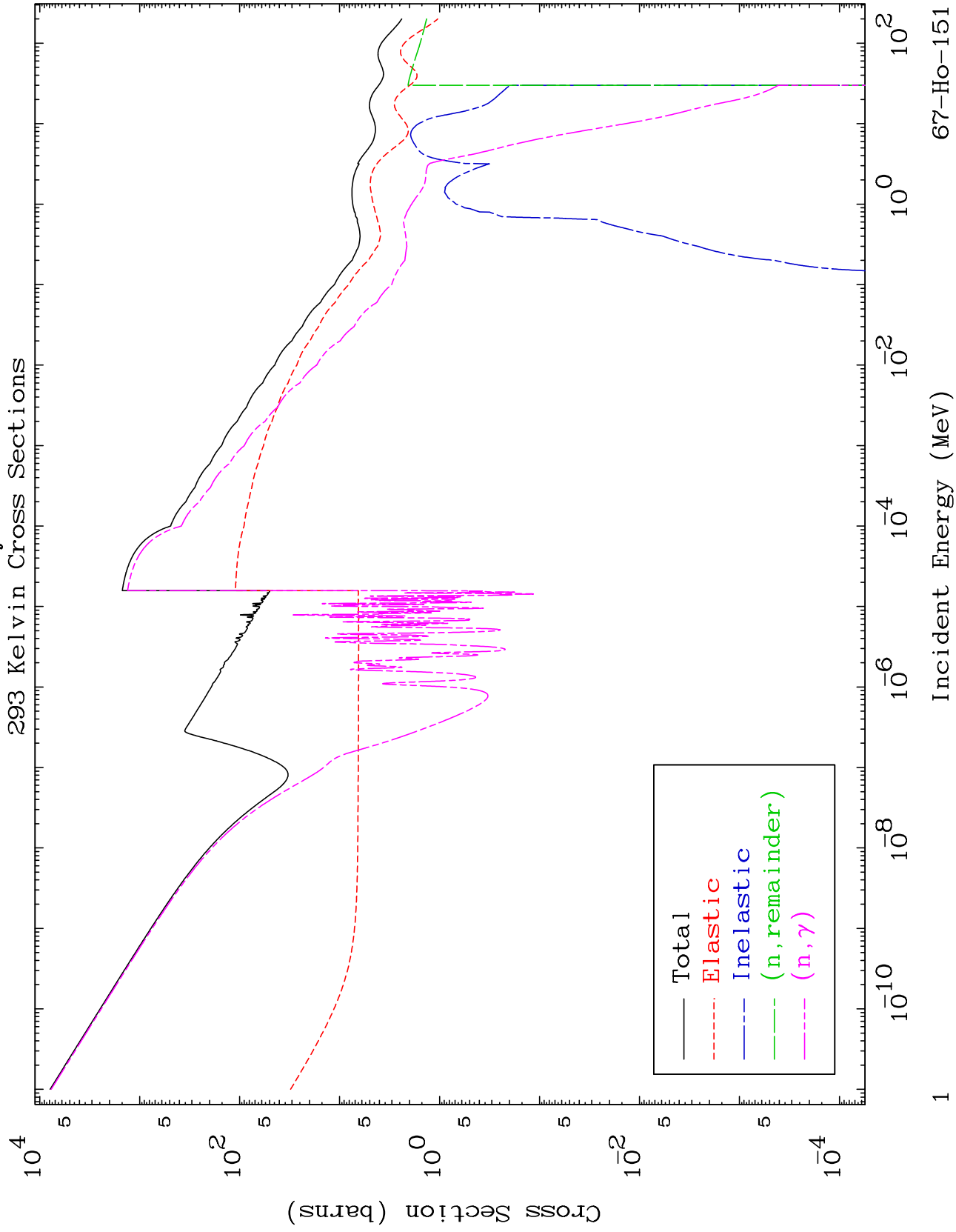
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6683

Major

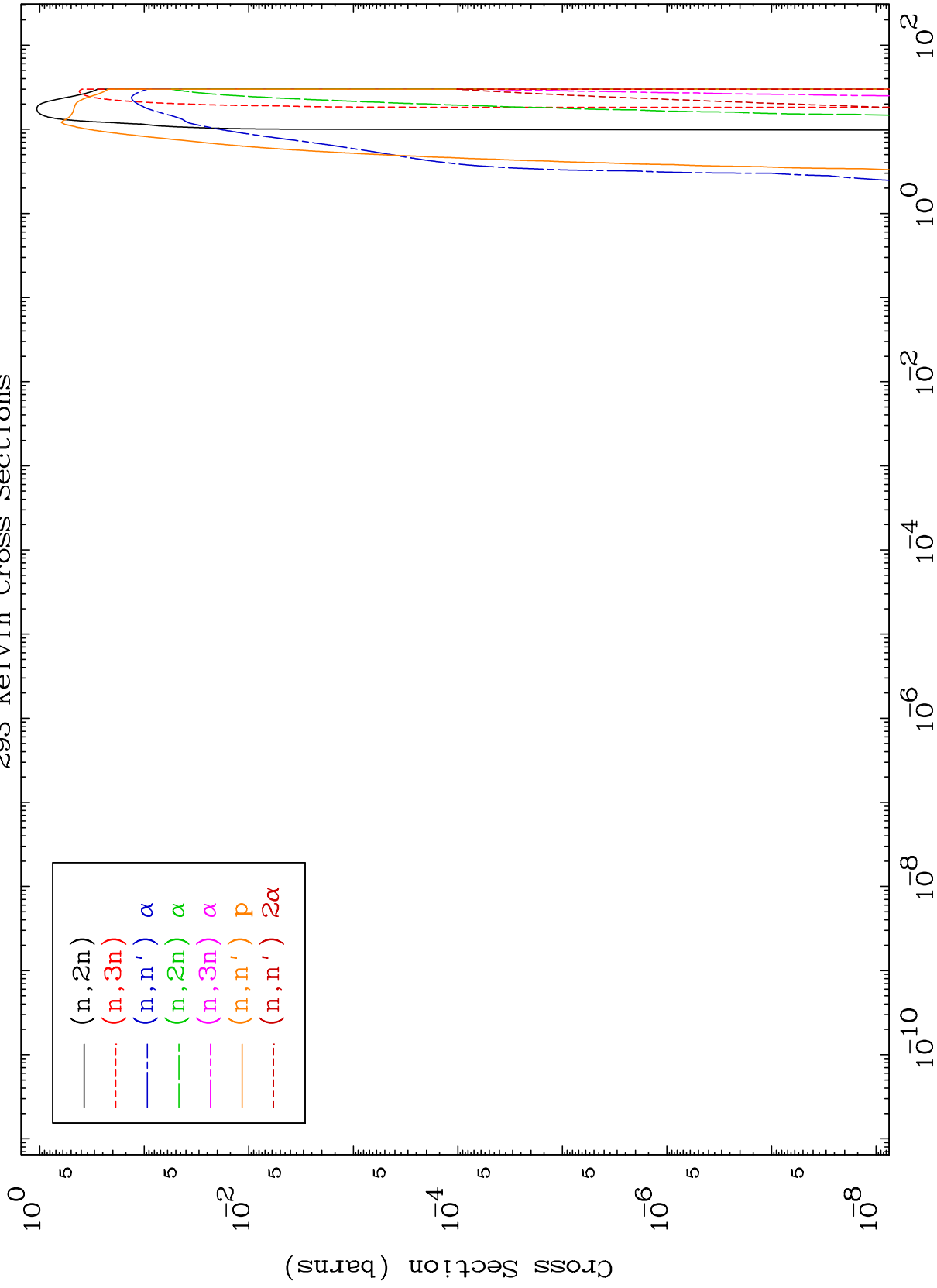
67-Ho-151

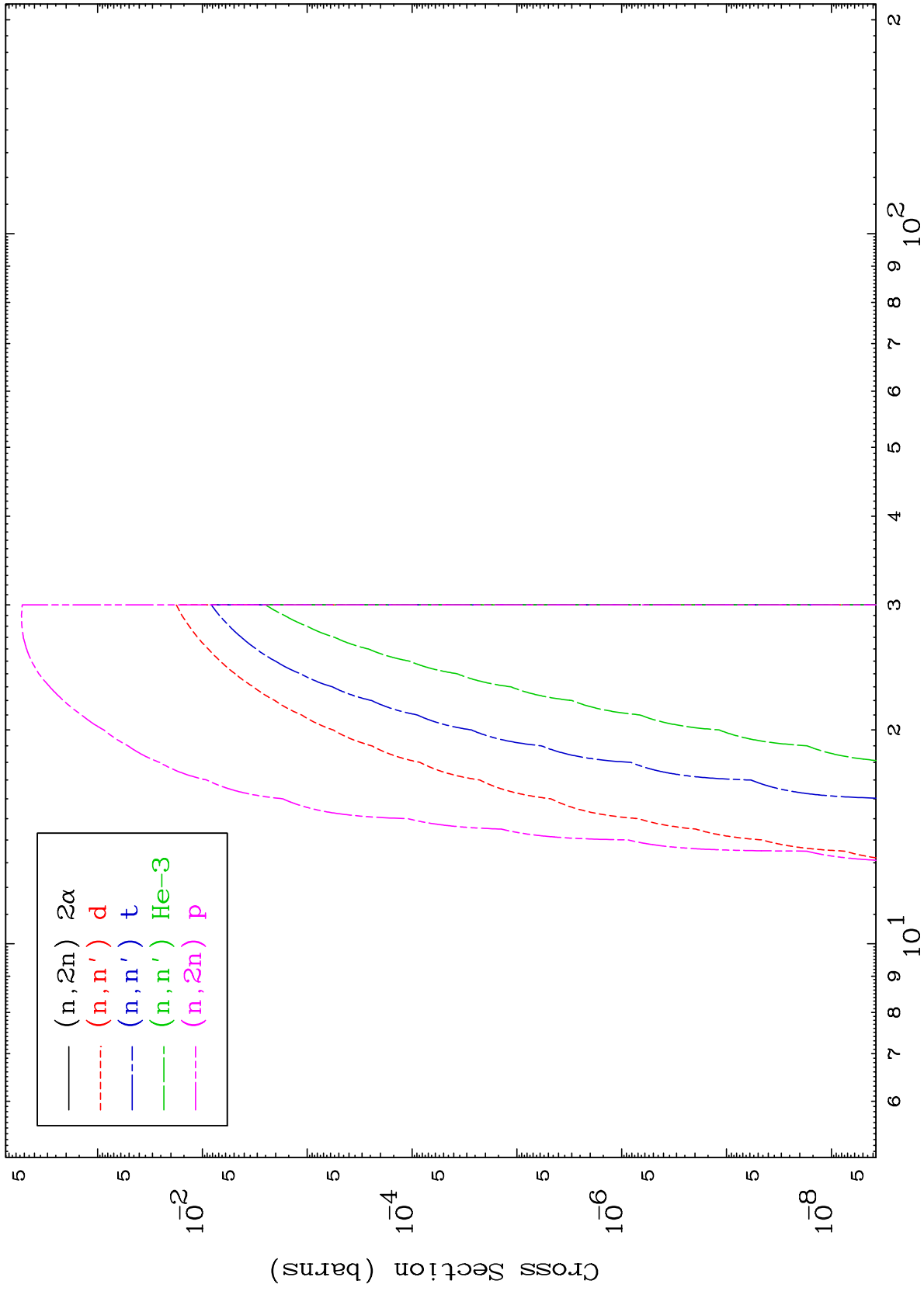


MAT 6683

Neutron Production
293 Kelvin Cross Sections

67-Ho-151

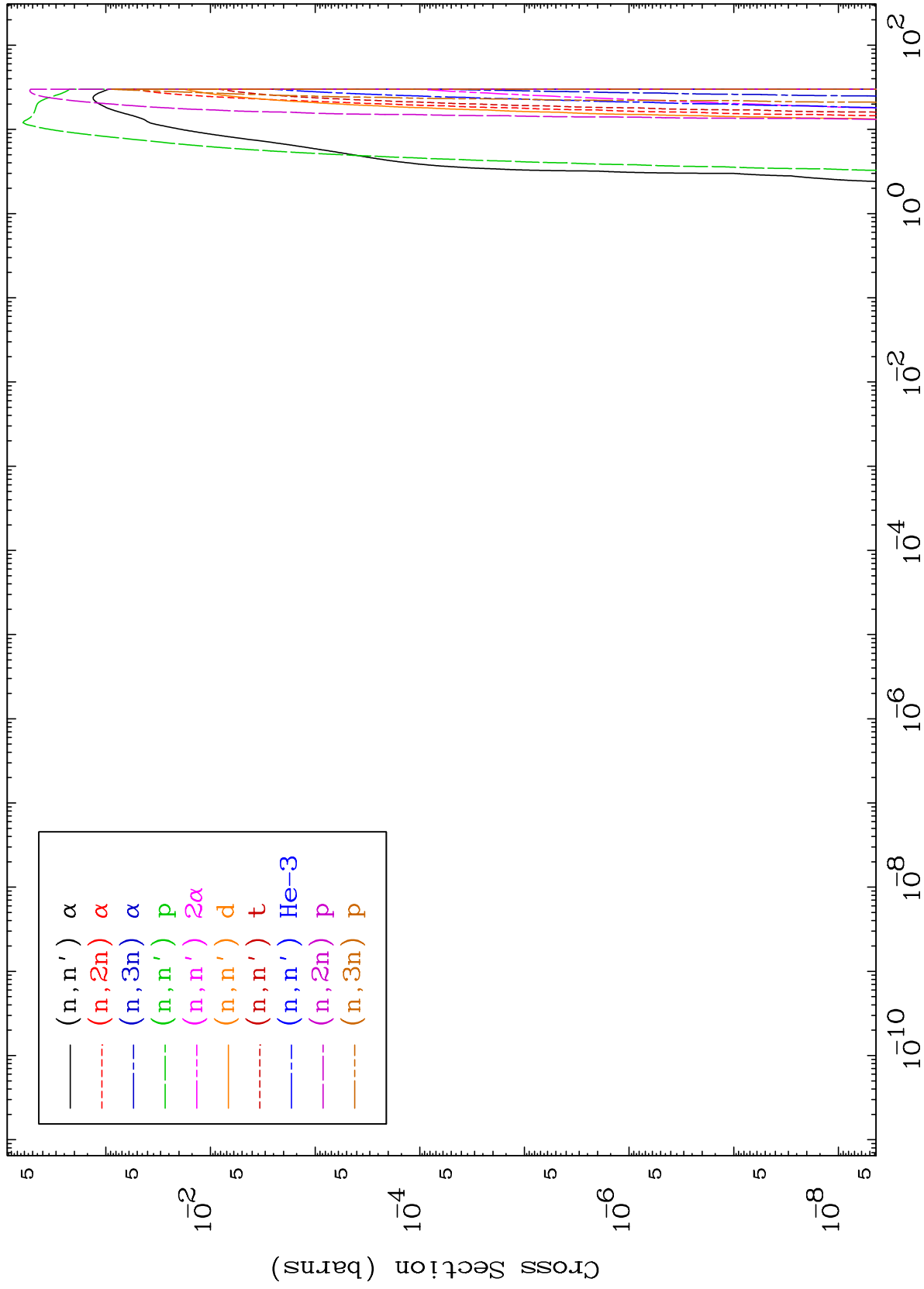




MAT 6683

Charged Particle
293 Kelvin Cross Sections

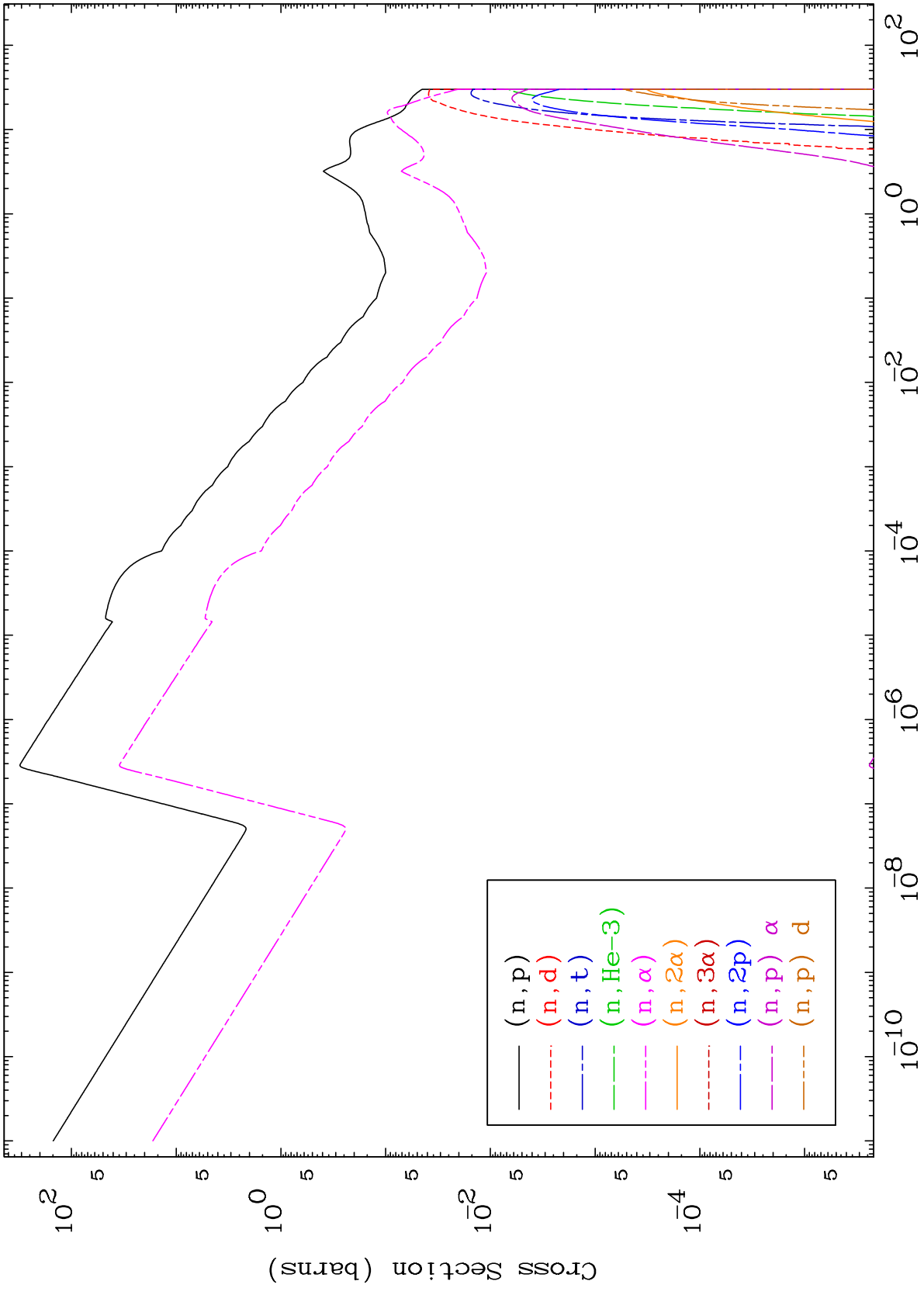
67-Ho-151



MAT 6683

293 Kelvin Cross Sections

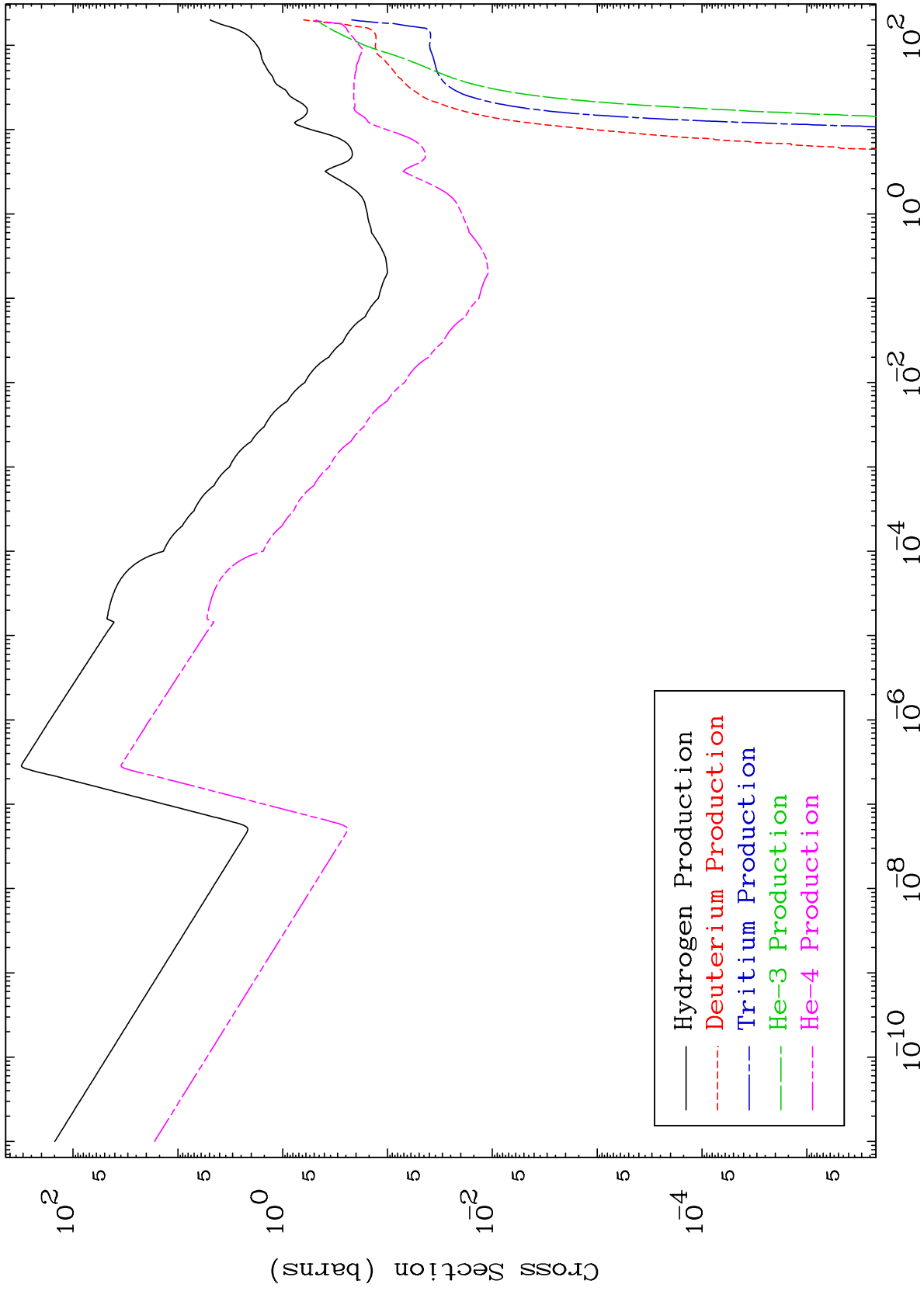
67-Ho-151



MAT 6683

Particle Production
293 Kelvin Cross Sections

67-Ho-151



6

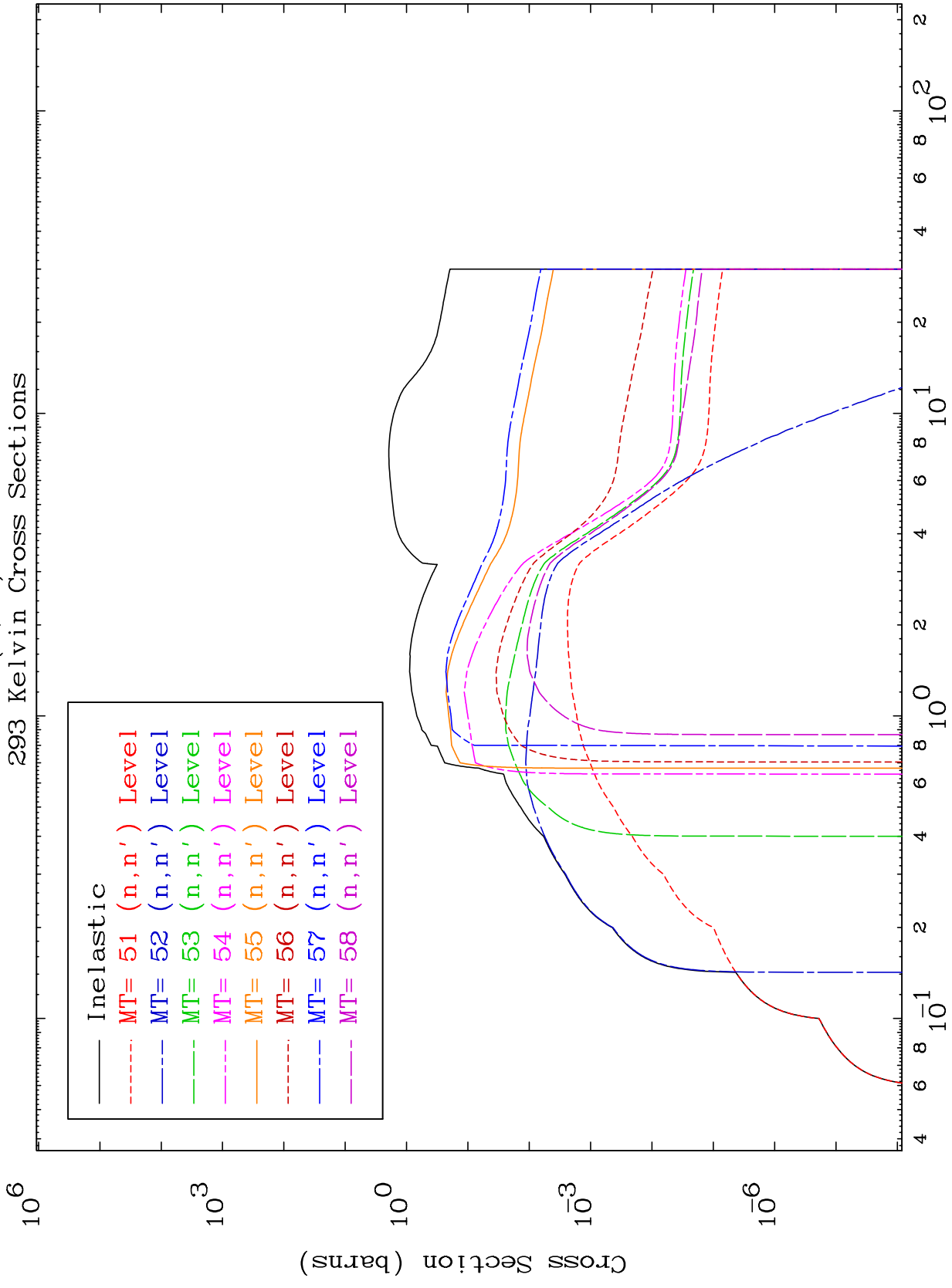
Incident Energy (MeV)

67-Ho-151

MAT 6683

293 Kelvin Cross Sections
(n,n') Level

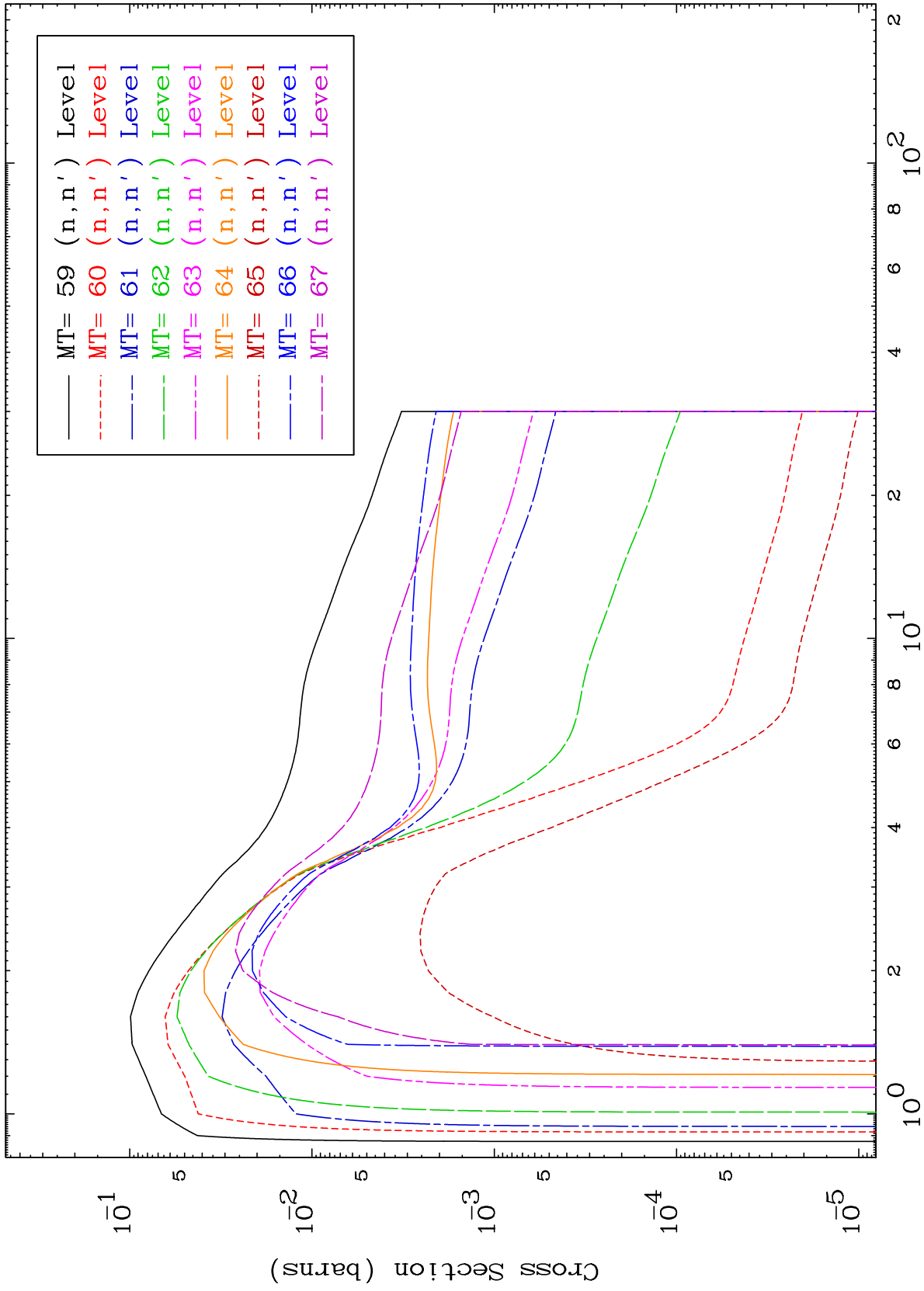
67-Ho-151



MAT 6683

(n,n') Level
293 Kelvin Cross Sections

67-Ho-151



8

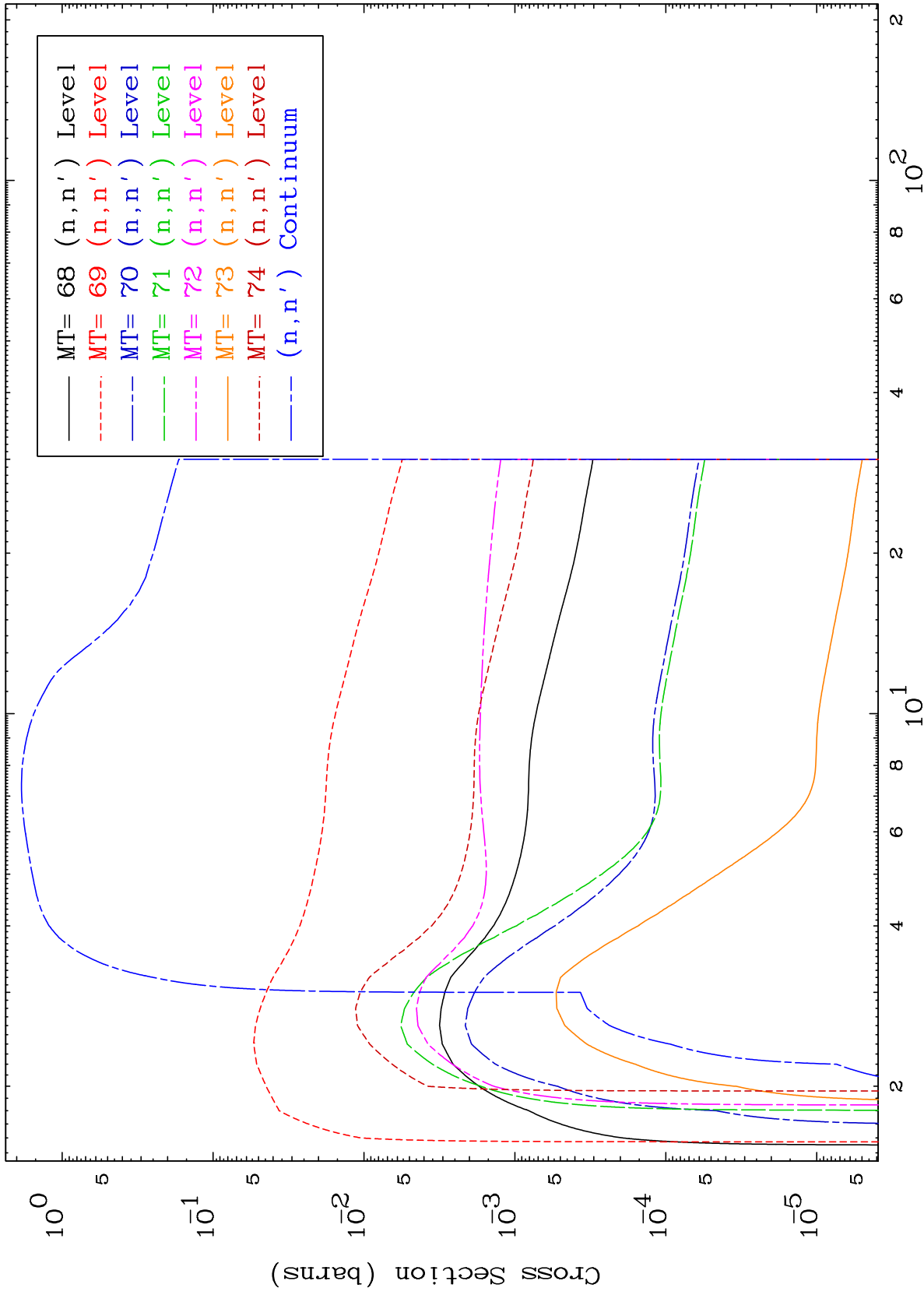
Incident Energy (MeV)

67-Ho-151

MAT 6683

(n,n') Level
293 Kelvin Cross Sections

67-Ho-151



9

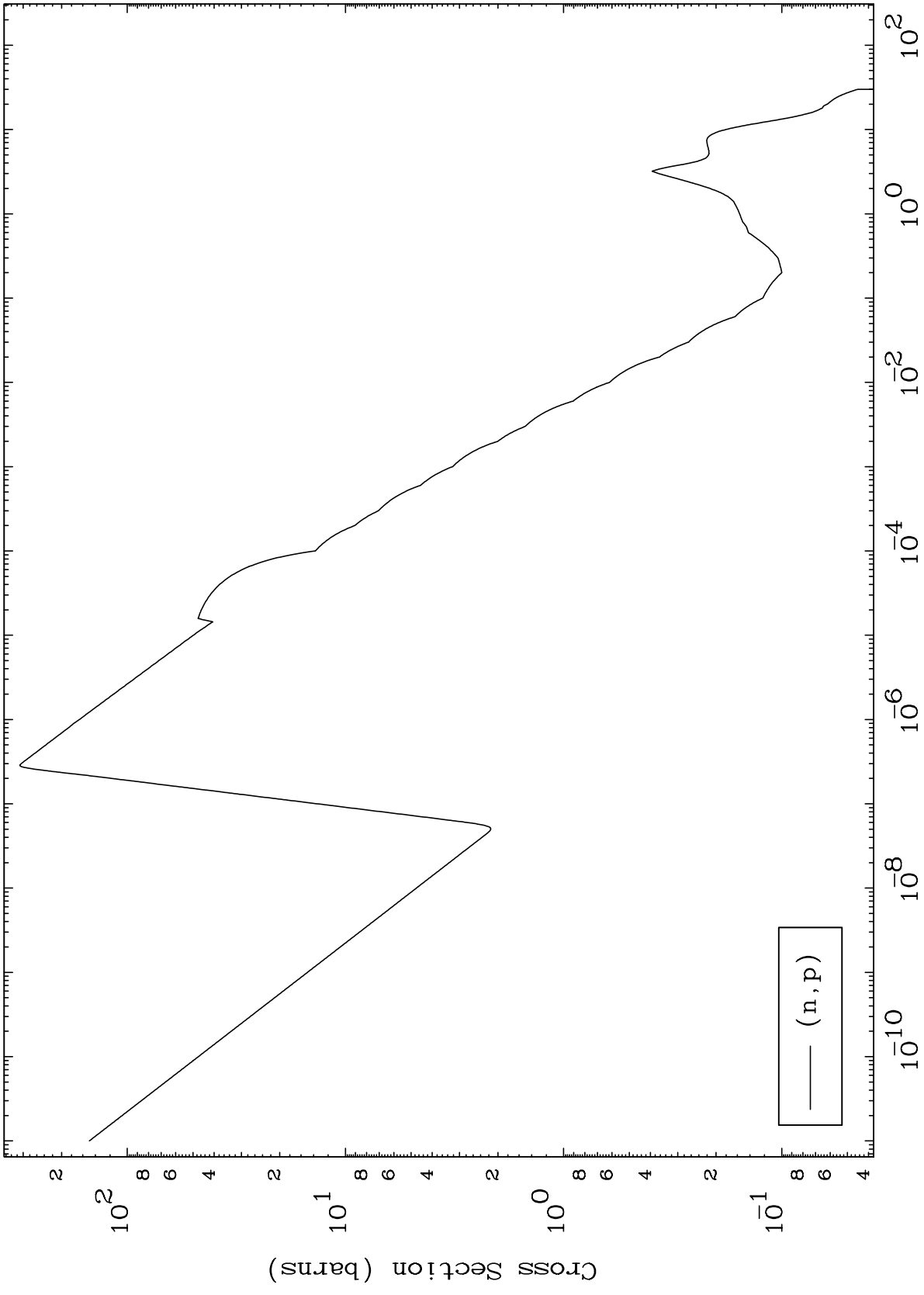
Incident Energy (MeV)

67-Ho-151

MAT 6683

(n,p) Levels
293 Kelvin Cross Sections

67-Ho-151



10

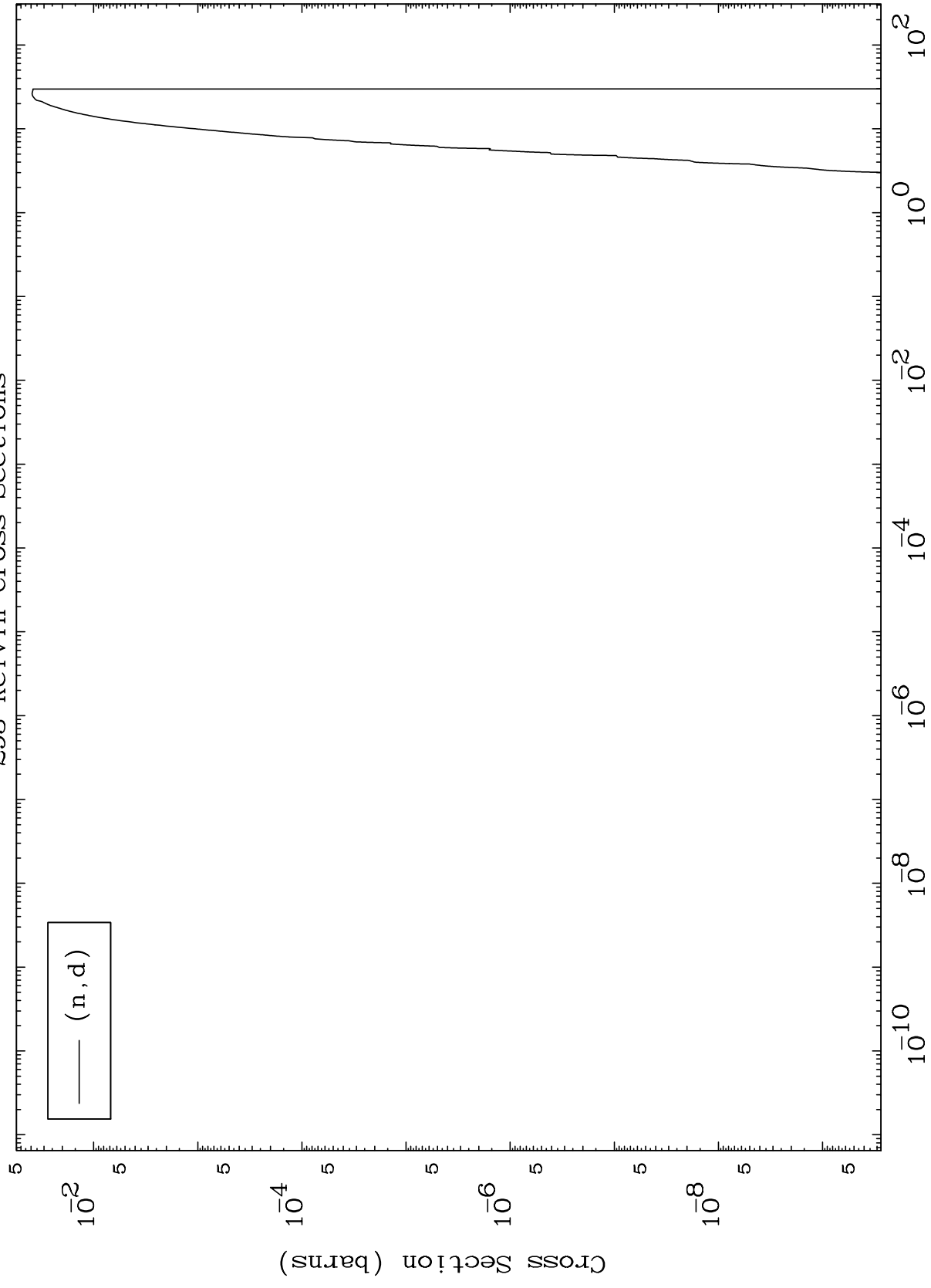
Incident Energy (MeV)

67-Ho-151

MAT 6683

(n,d) Levels
293 Kelvin Cross Sections

67-Ho-151



11

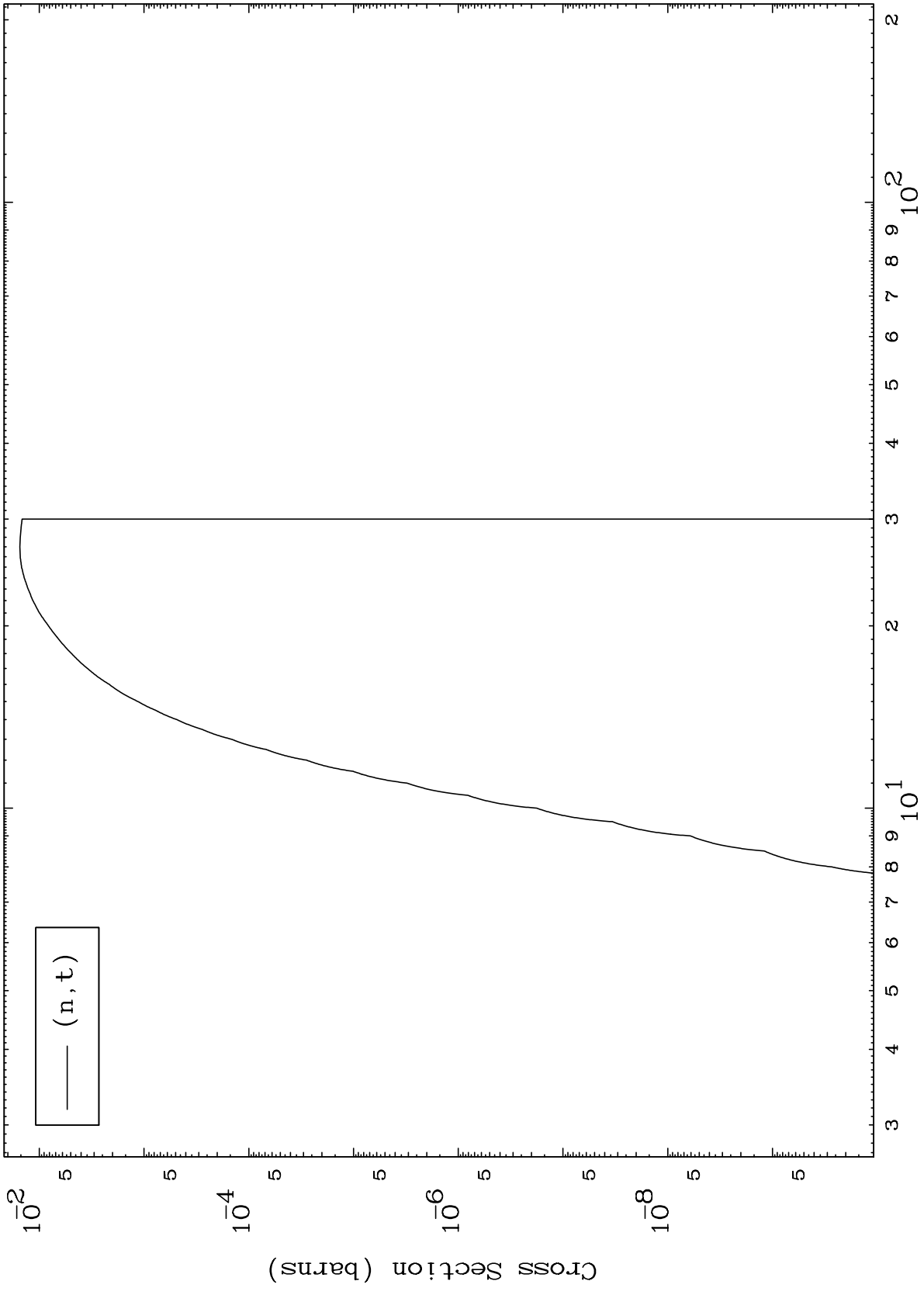
Incident Energy (MeV)

67-Ho-151

MAT 6683

(n,t) Levels
293 Kelvin Cross Sections

67-Ho-151



12

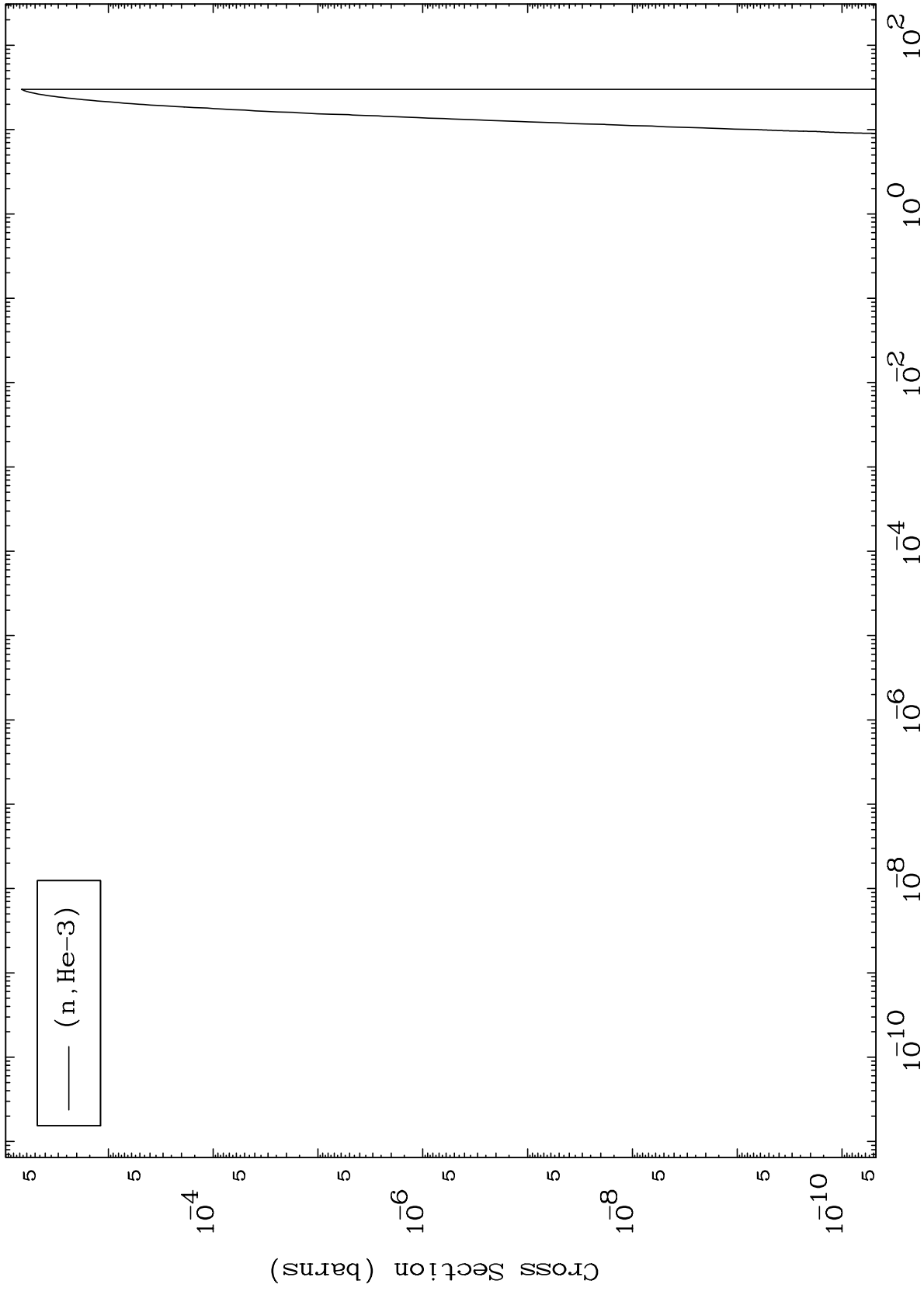
Incident Energy (MeV)

67-Ho-151

MAT 6683

(n,He3) Levels
293 Kelvin Cross Sections

67-Ho-151



13

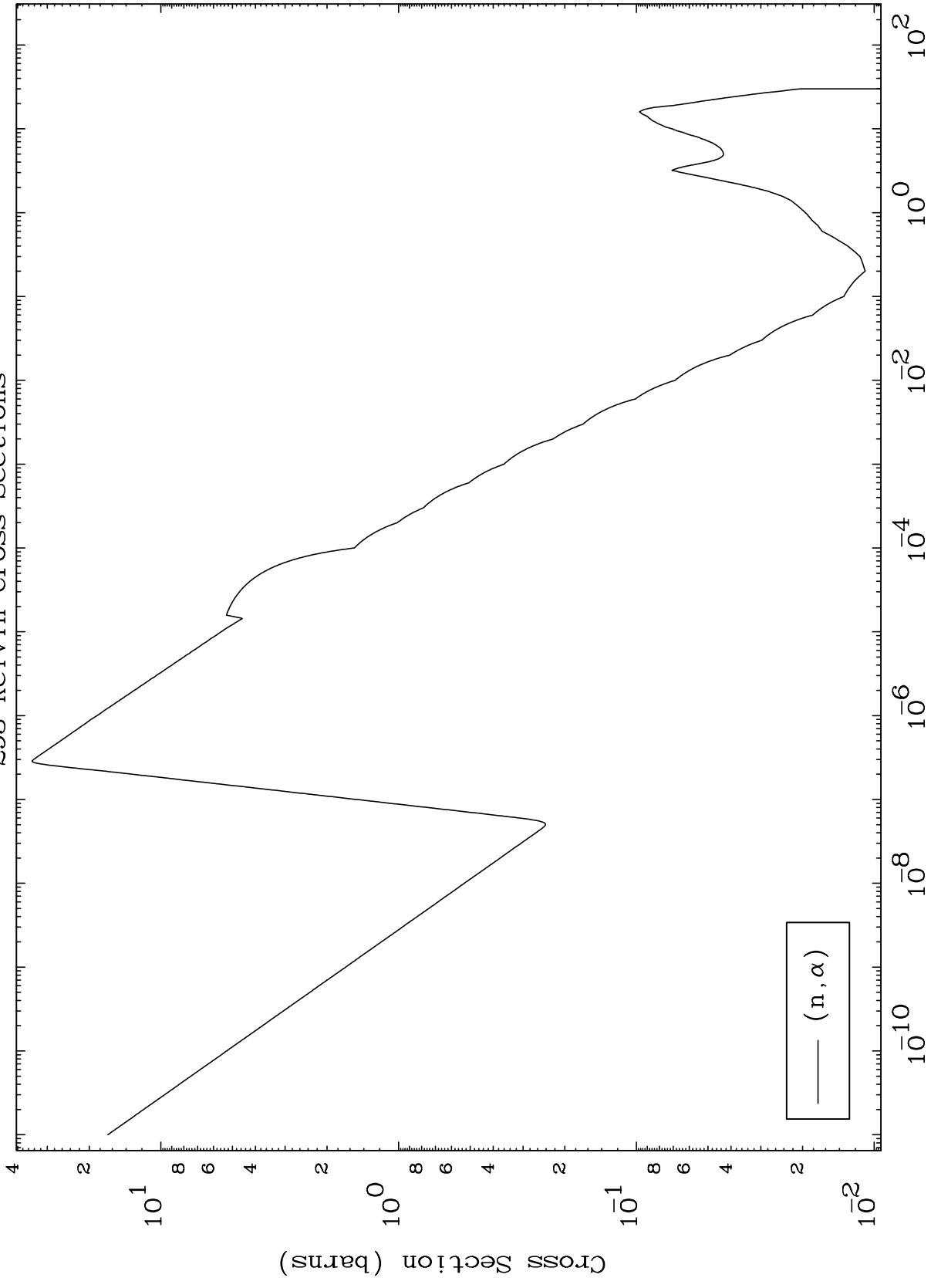
Incident Energy (MeV)

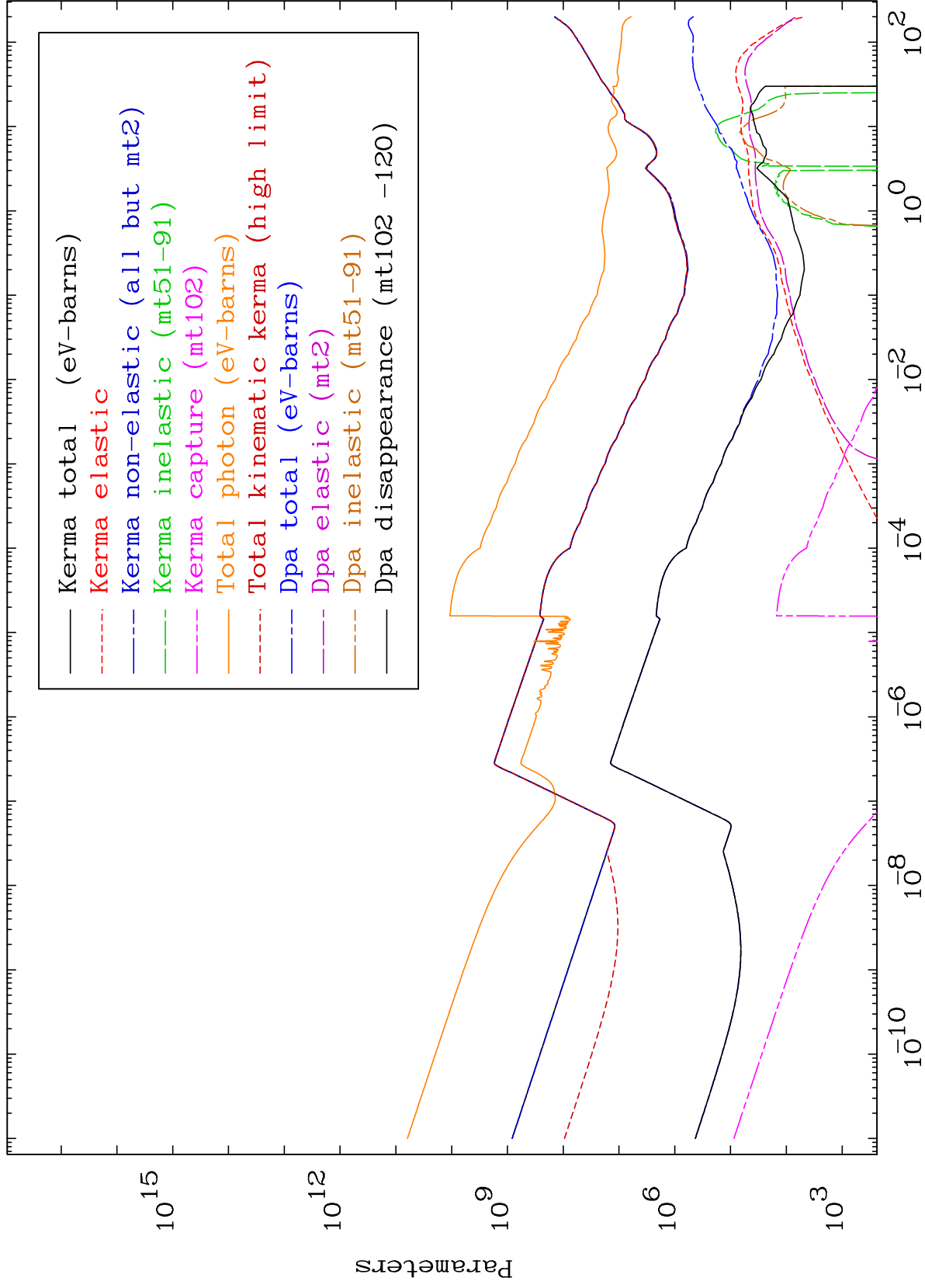
67-Ho-151

MAT 6683

(n,α) Levels
293 Kelvin Cross Sections

67-Ho-151

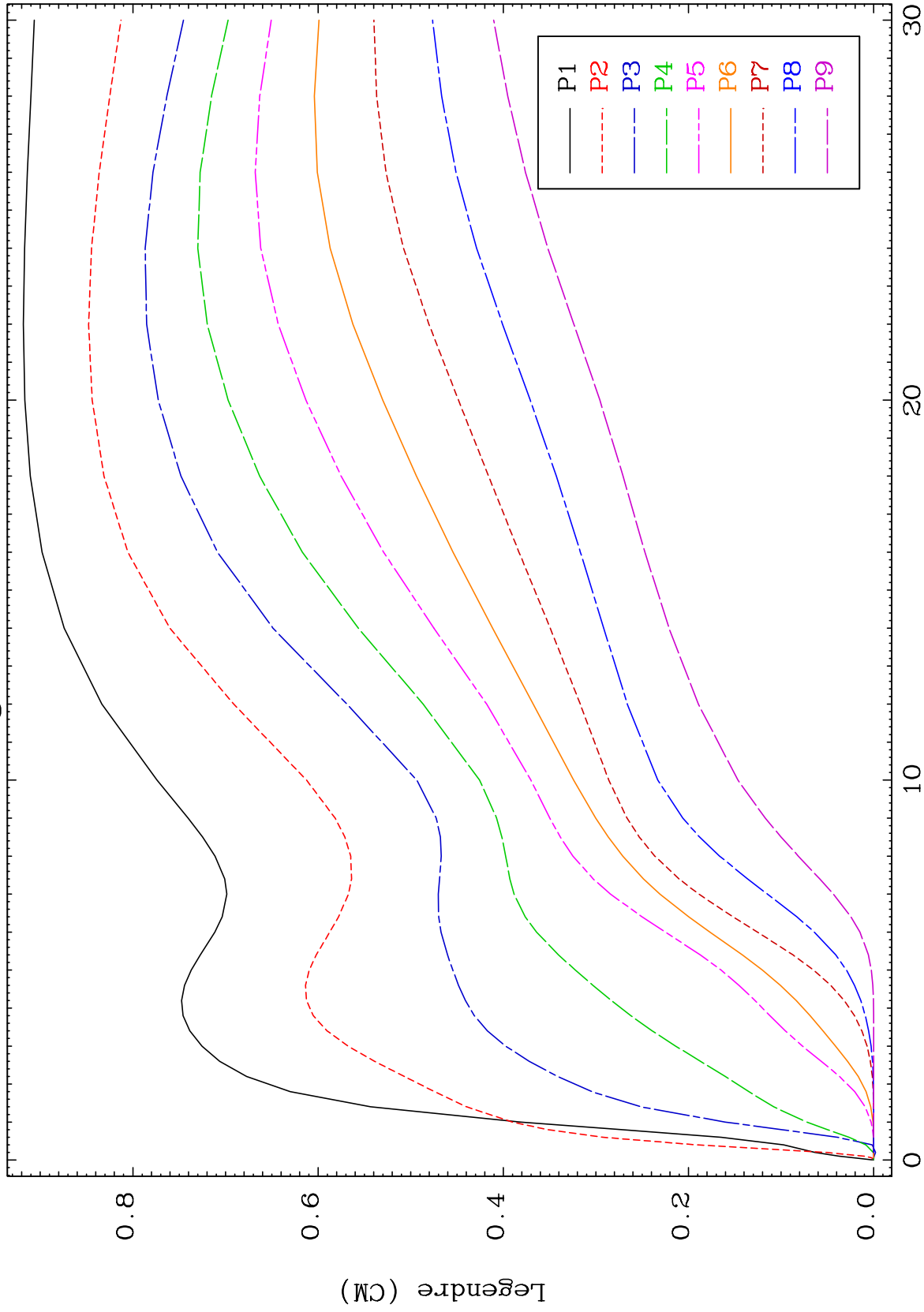




MAT 6683

Elastic Legendre Coefficients

67-Ho-151



16

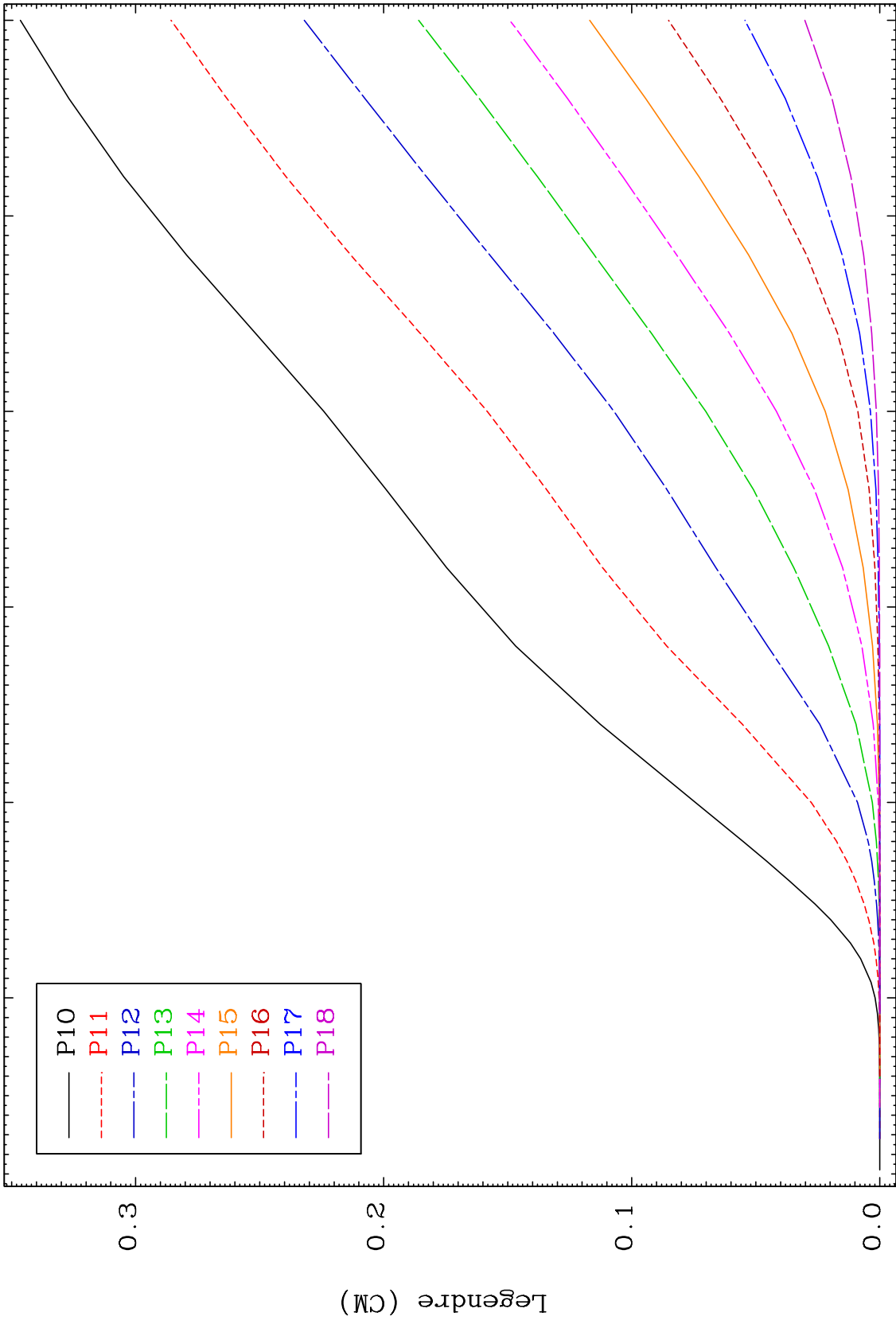
Incident Energy (MeV)

67-Ho-151

MAT 6683

Elastic Legendre Coefficients

67-Ho-151



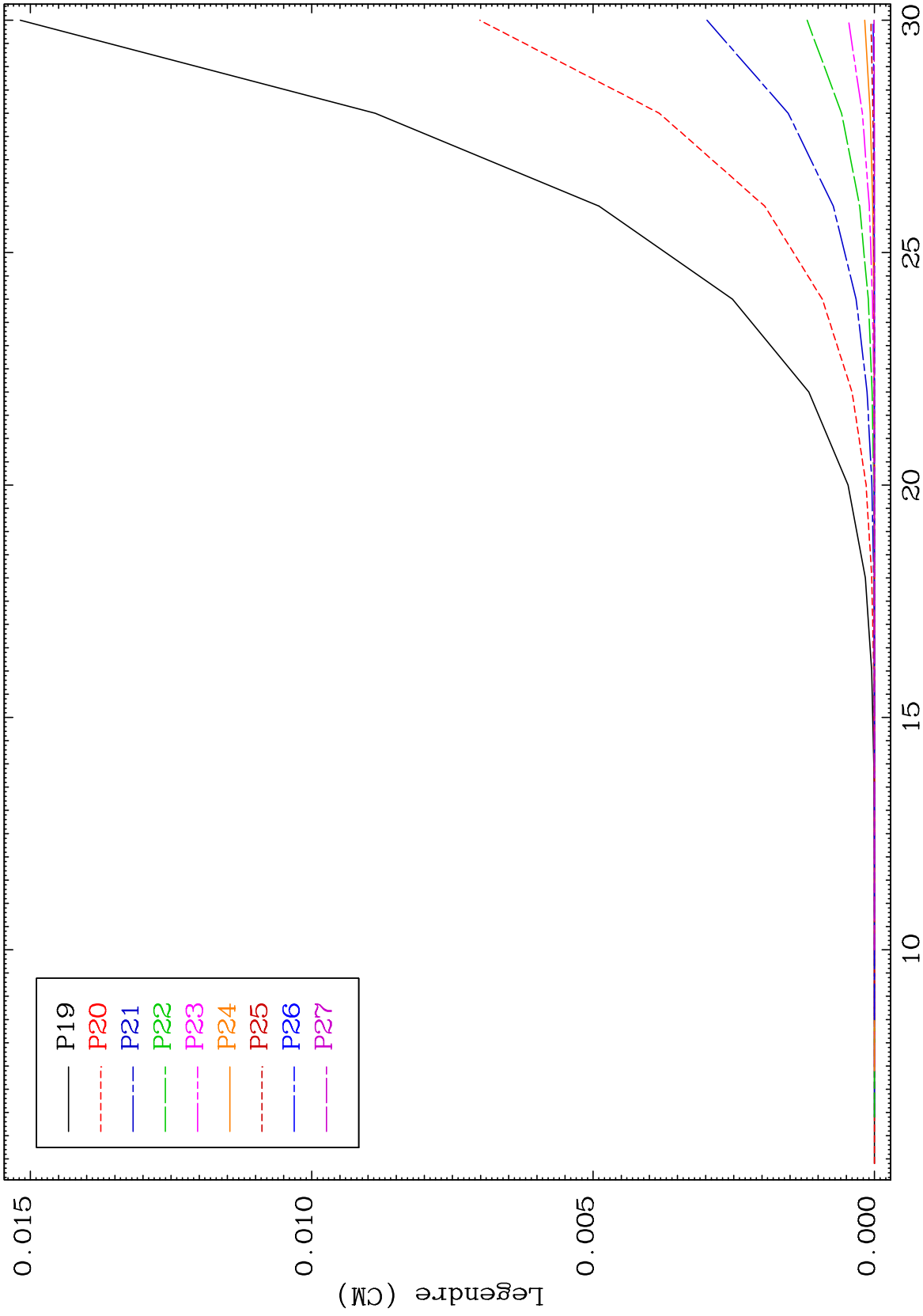
17

67-Ho-151

MAT 6683

Elastic Legendre Coefficients

67-Ho-151



18

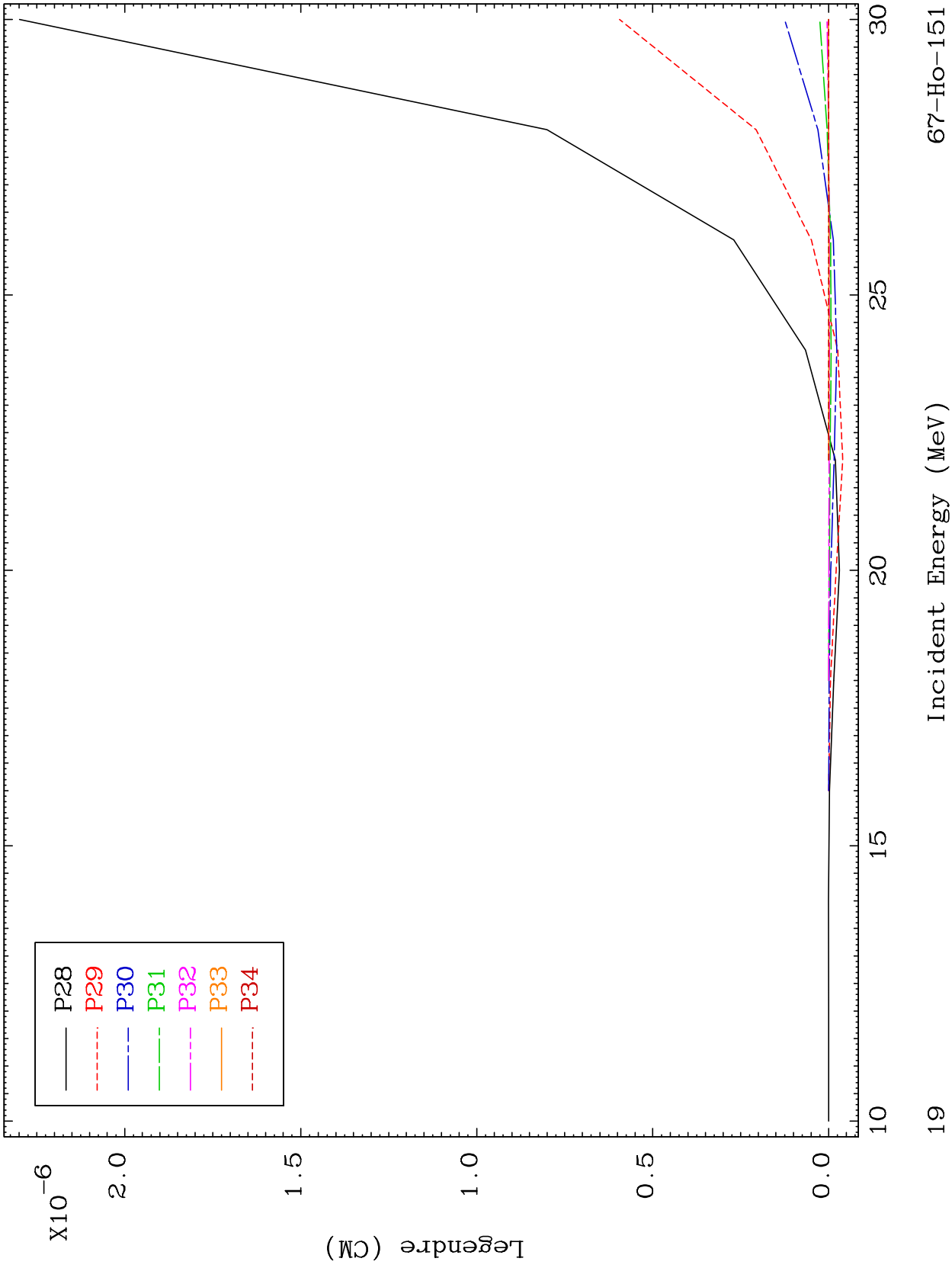
Incident Energy (MeV)

67-Ho-151

MAT 6683

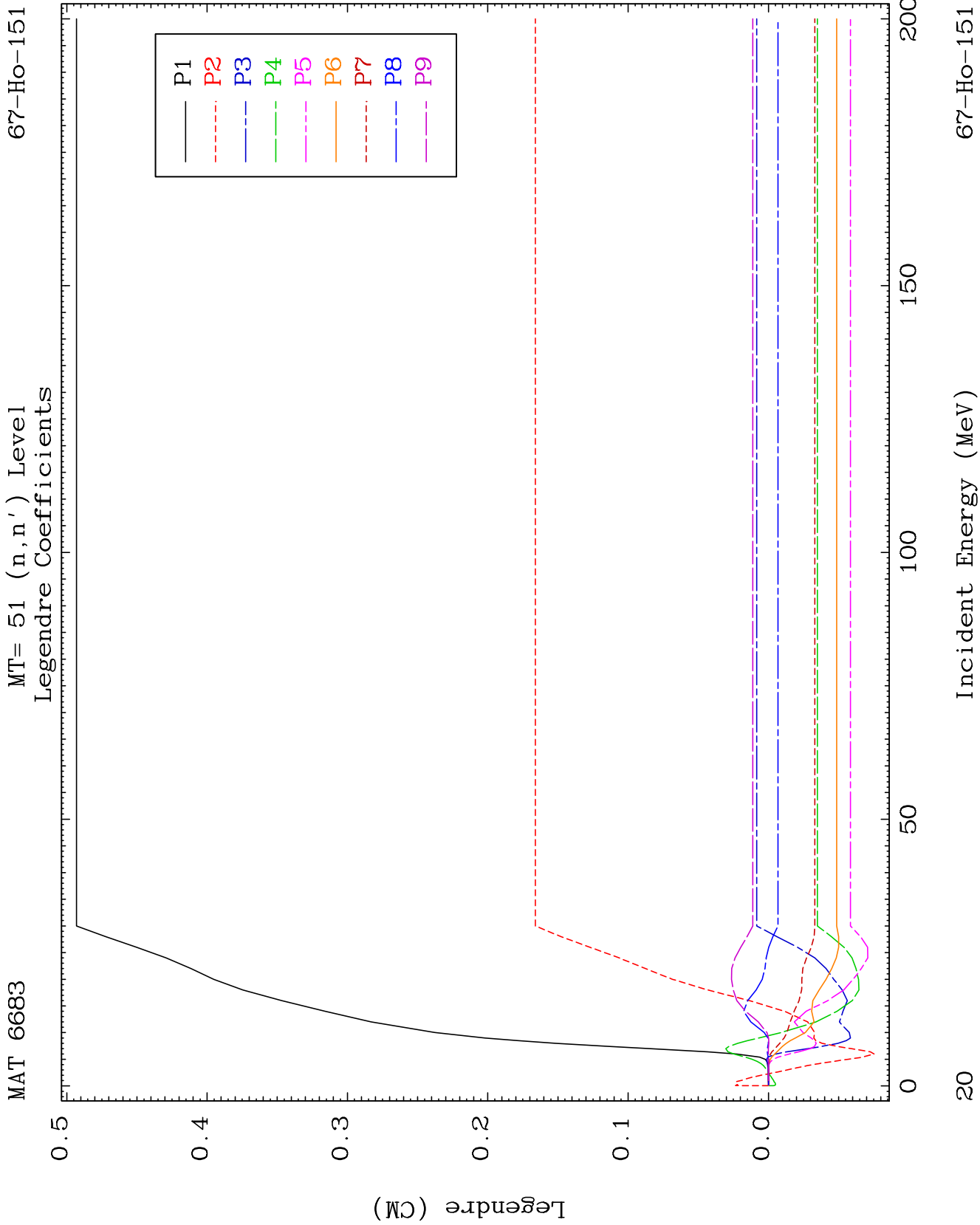
Elastic Legendre Coefficients

67-Ho-151



19

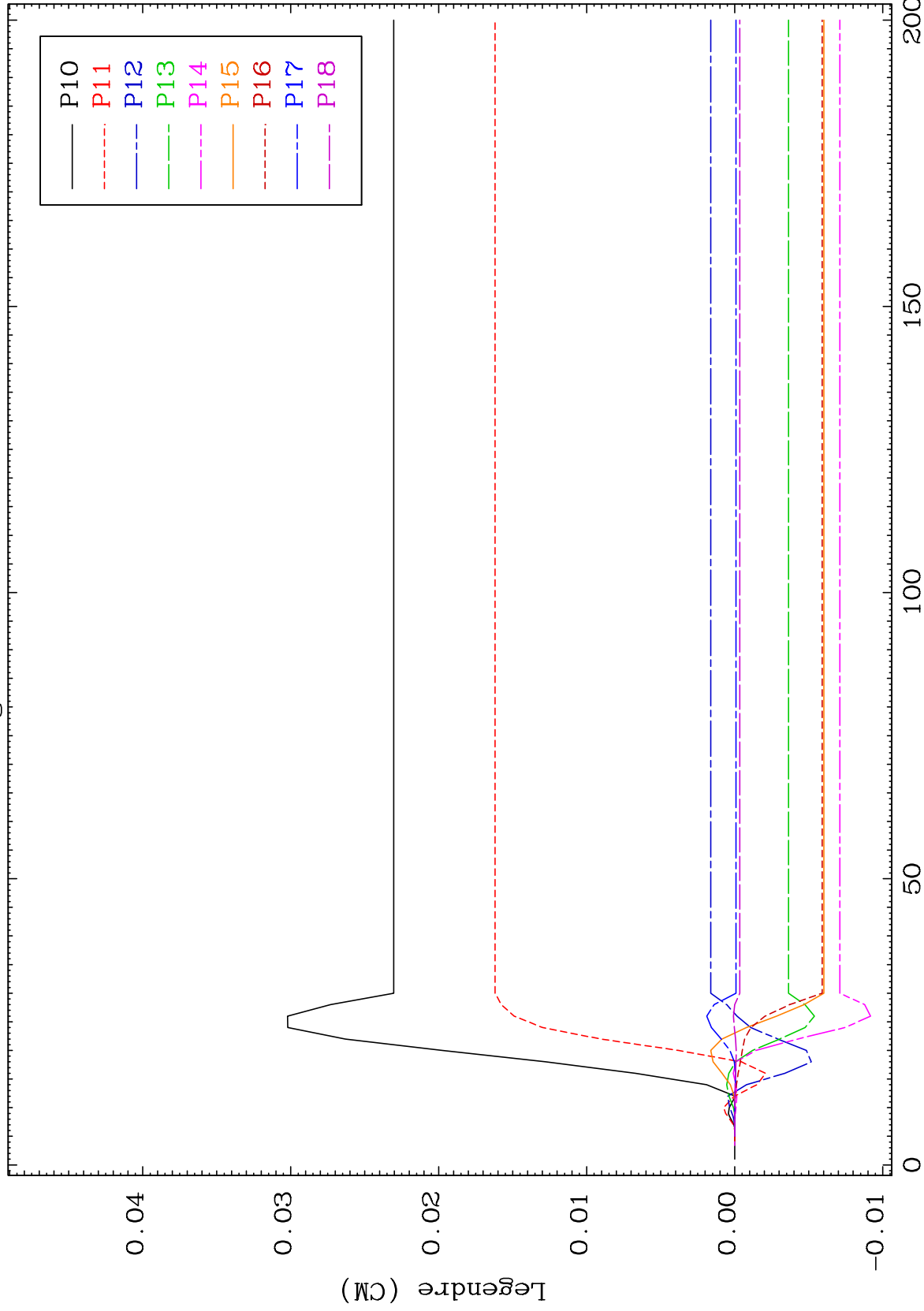
67-Ho-151



MAT 6683

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

67-Ho-151



21

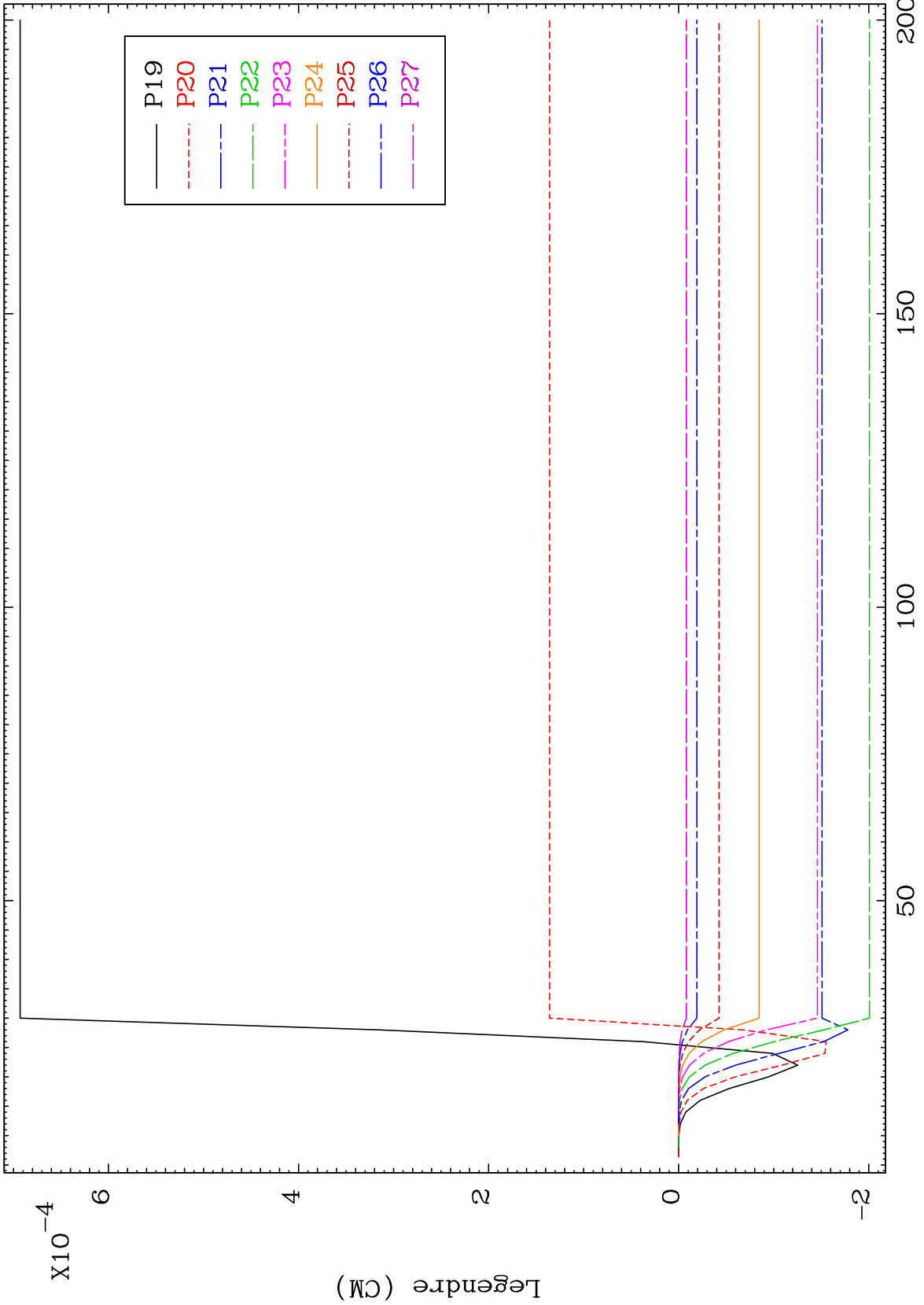
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151



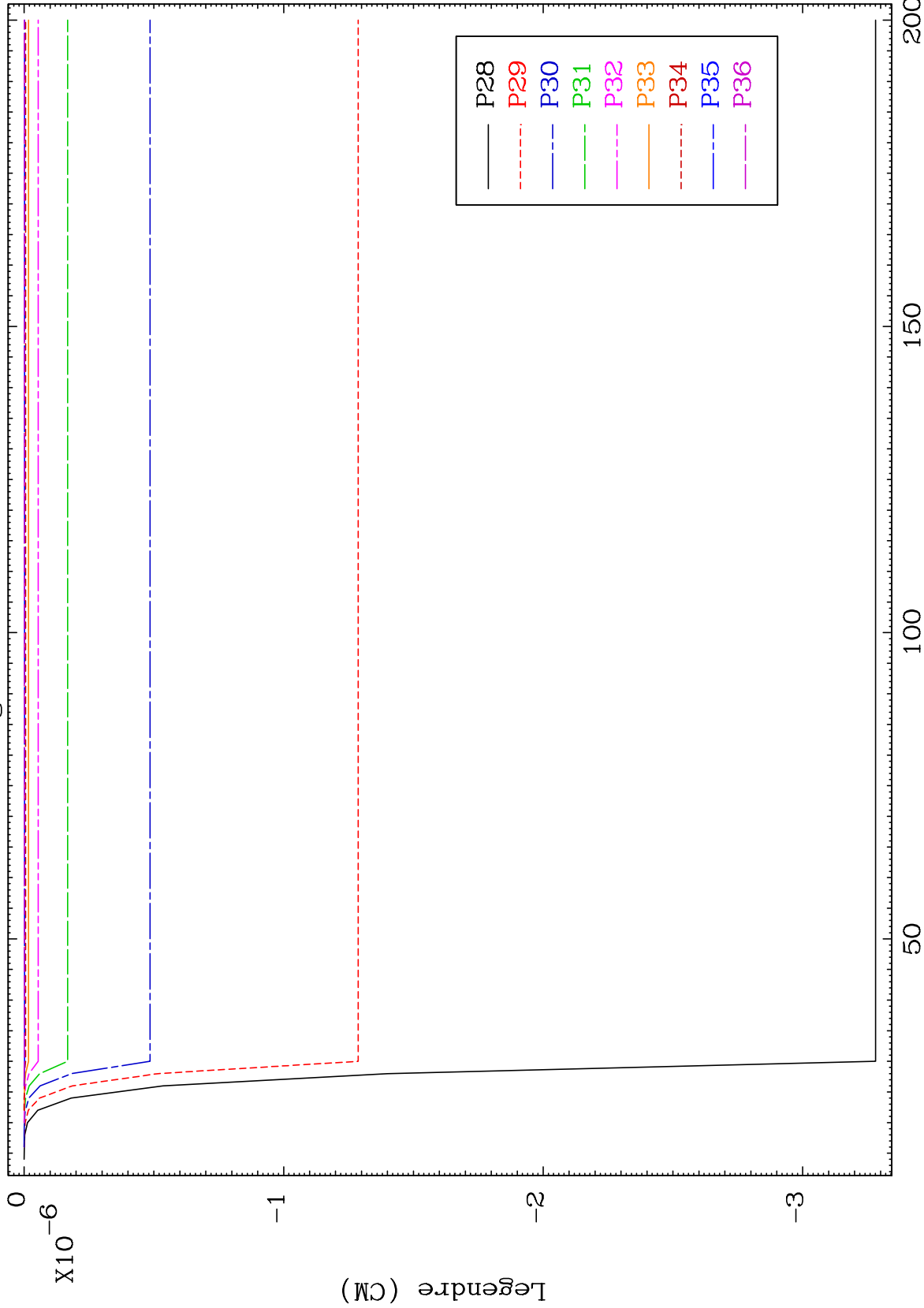
22

67-Ho-151

MAT 6683

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

67-Ho-151



23

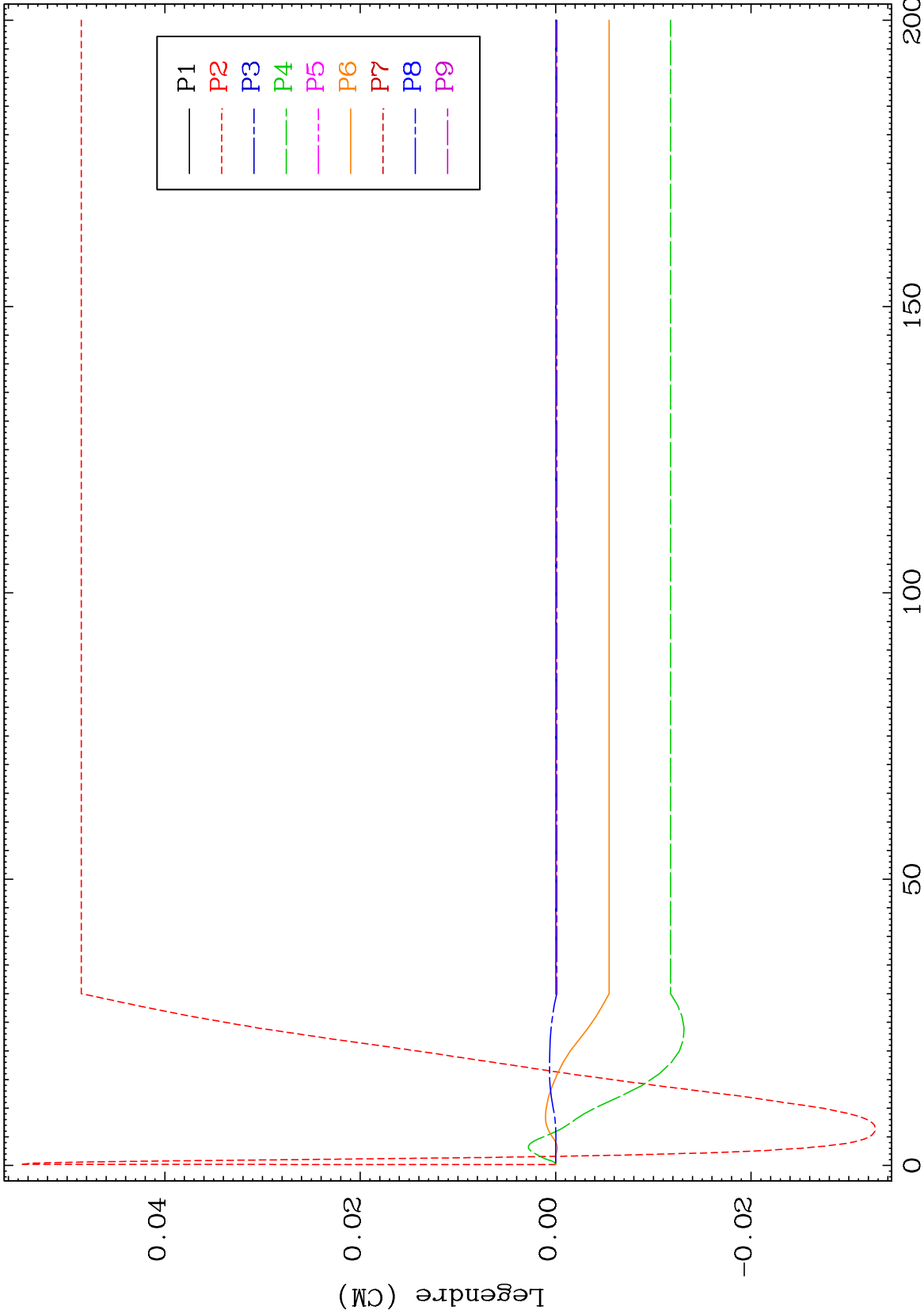
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151



24

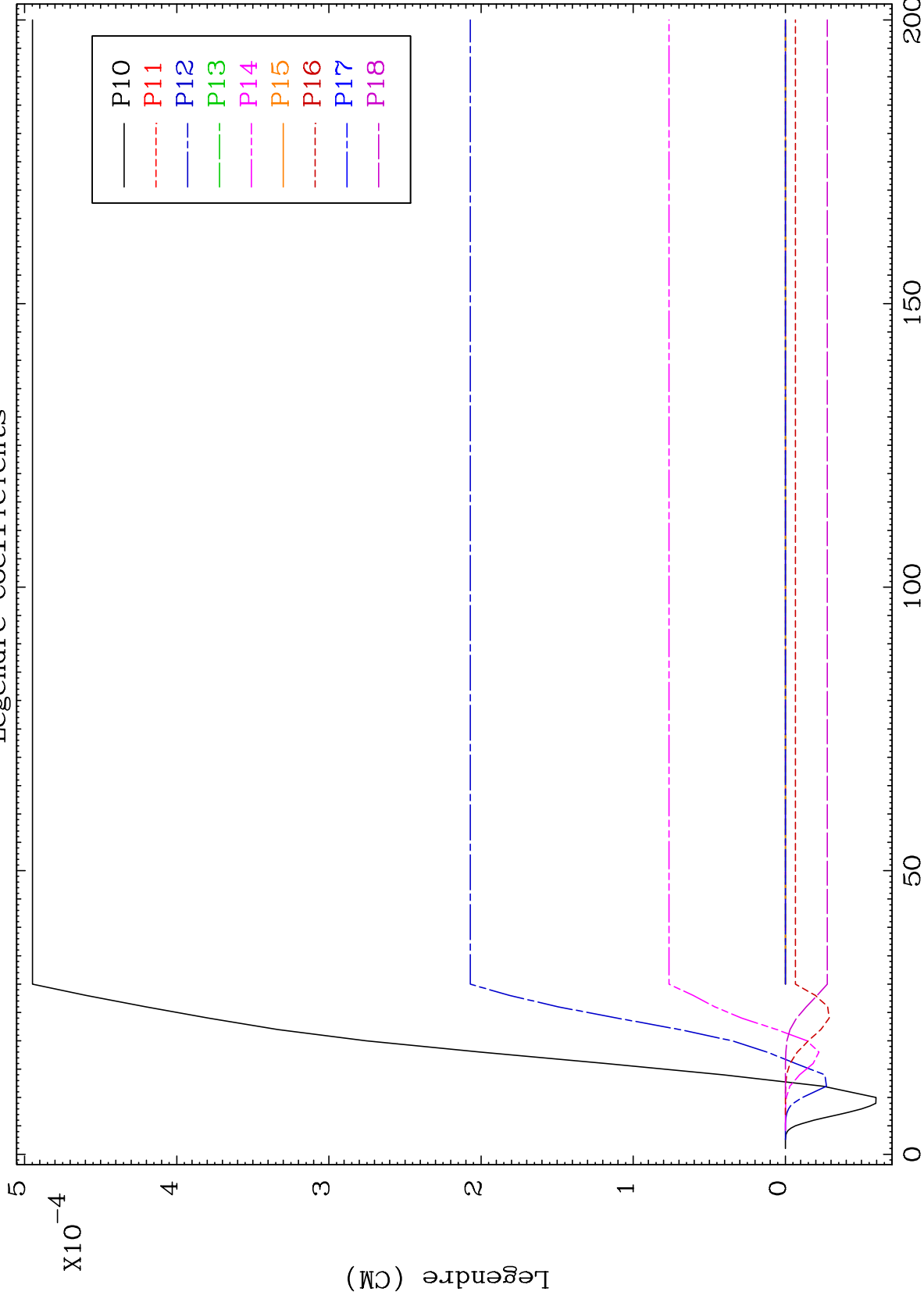
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151

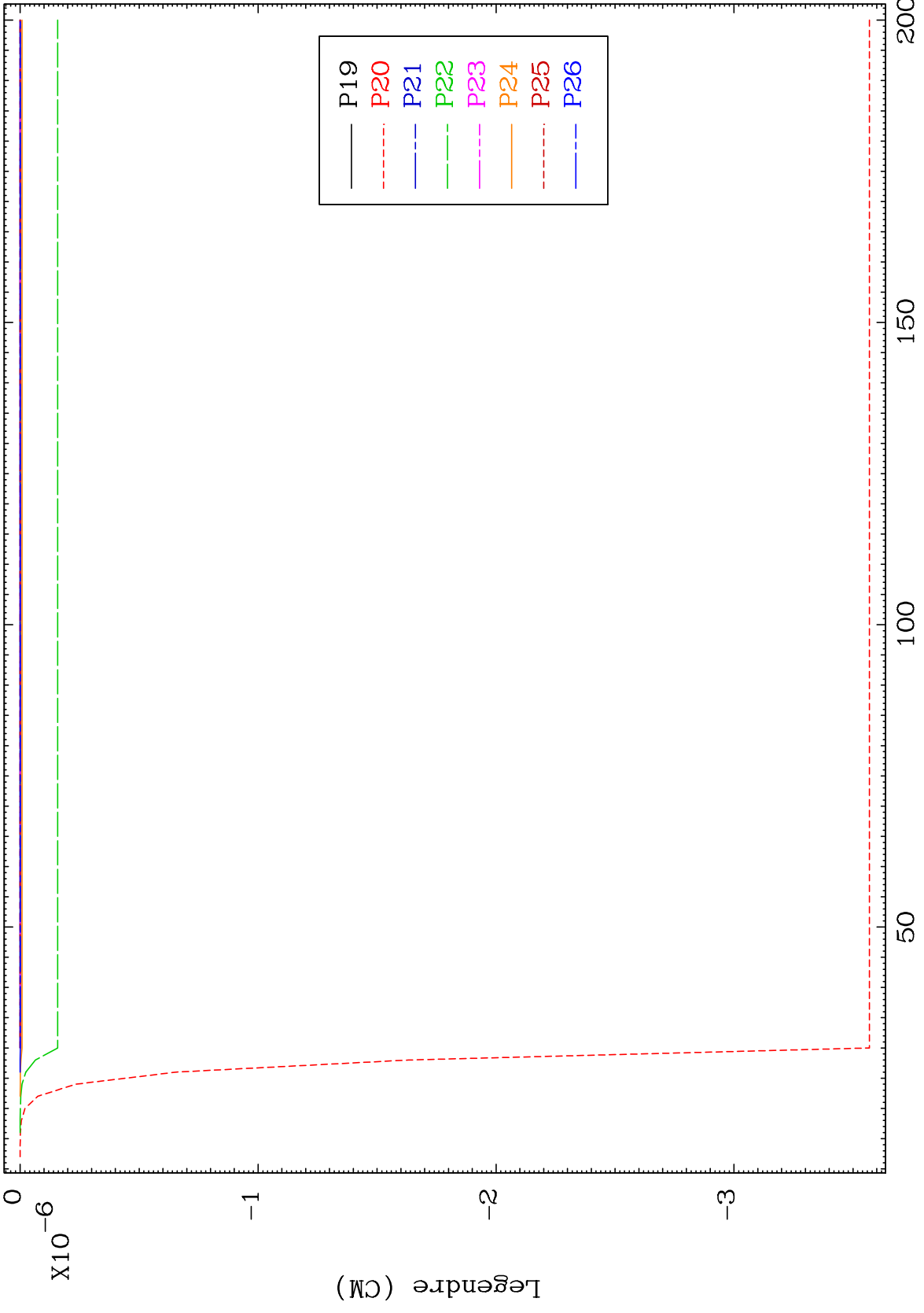


25

Incident Energy (MeV)

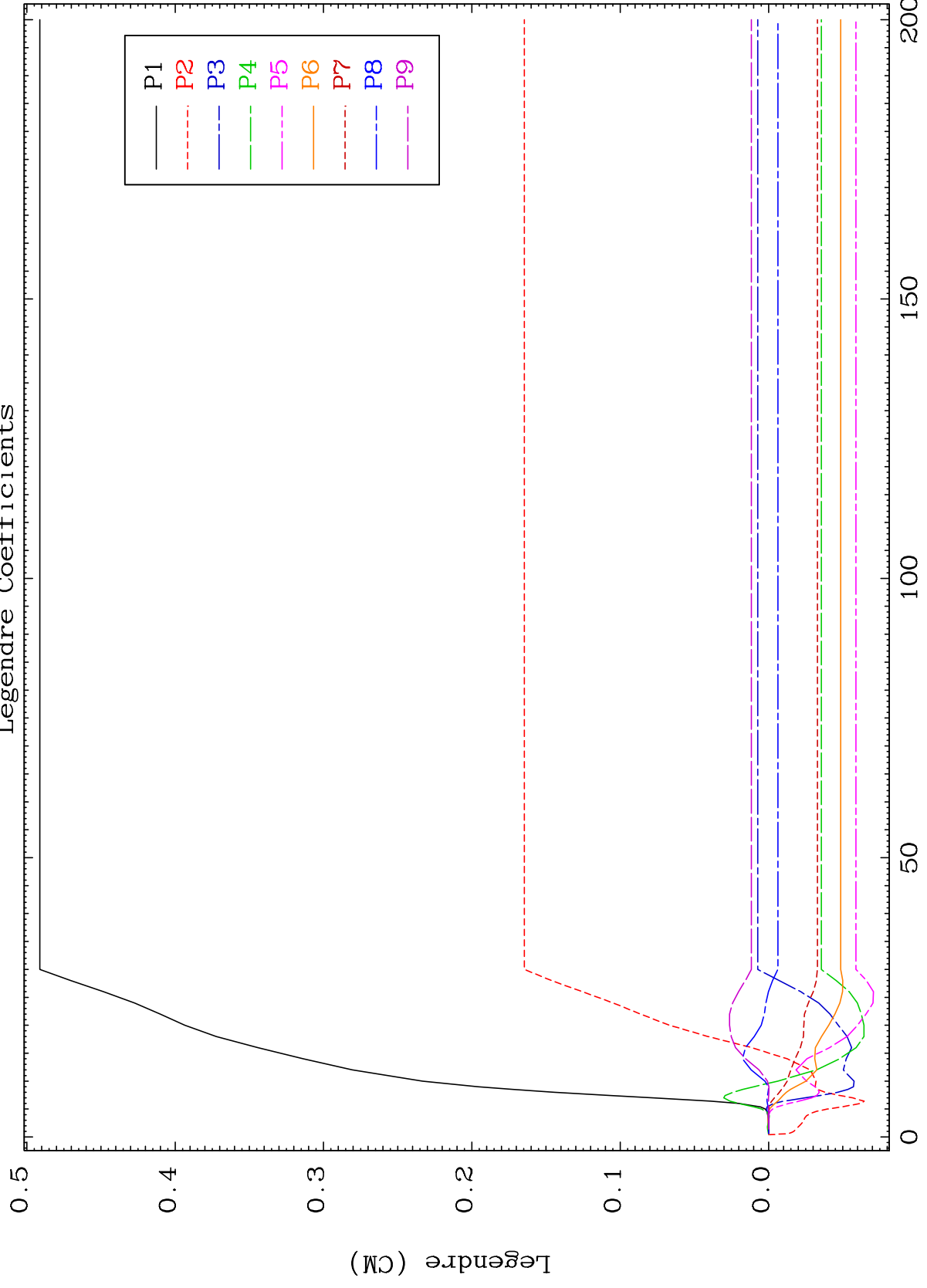
67-Ho-151

MAT 6683 MT= 52 (n,n') Level Legendre Coefficients 67-Ho-151



26 Incident Energy (MeV) 67-Ho-151

MAT 6683 MT= 53 (n,n') Level Legendre Coefficients 67-Ho-151

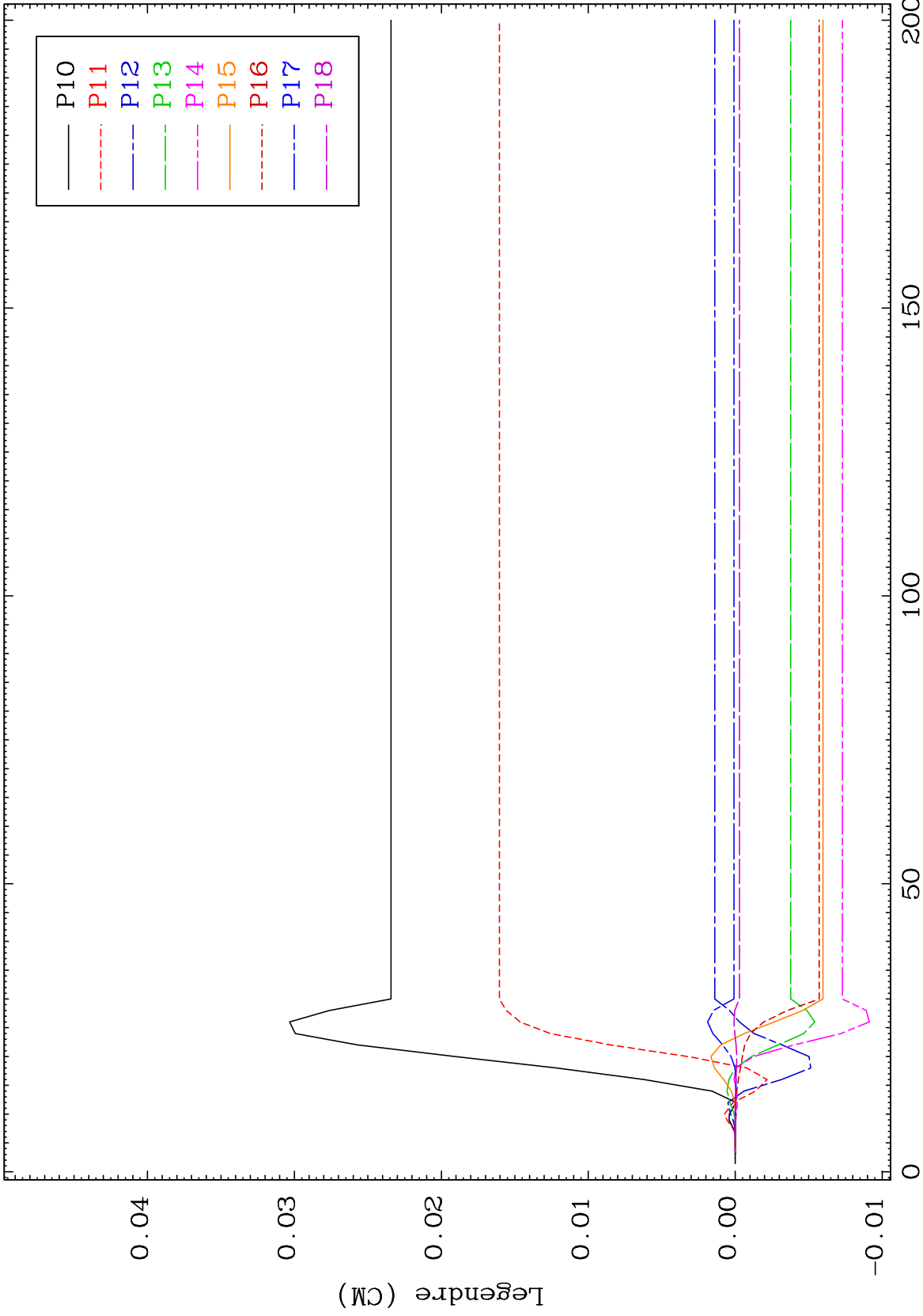


27 Incident Energy (MeV) 67-Ho-151

MAT 6683

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

67-Ho-151



28

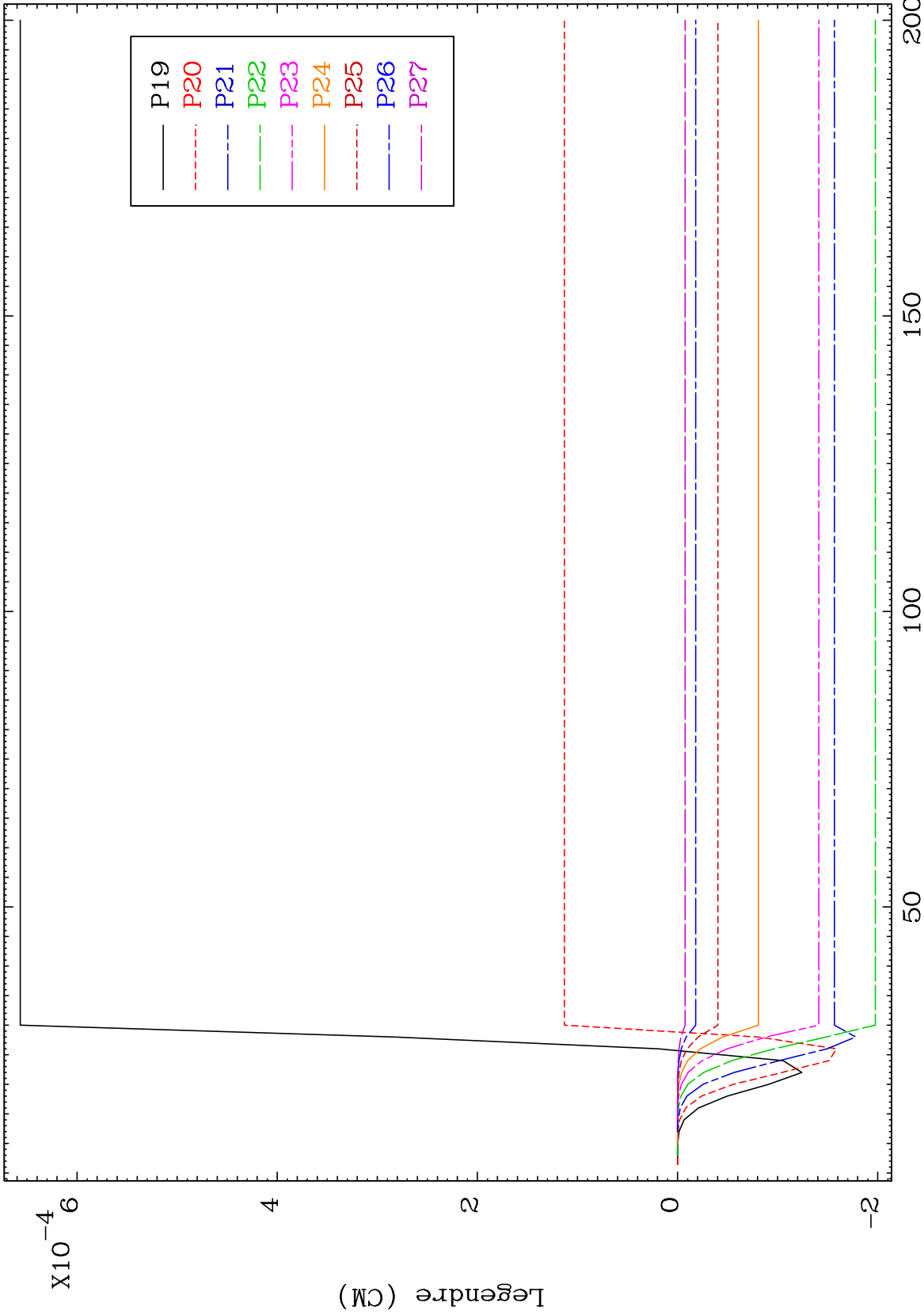
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151



29

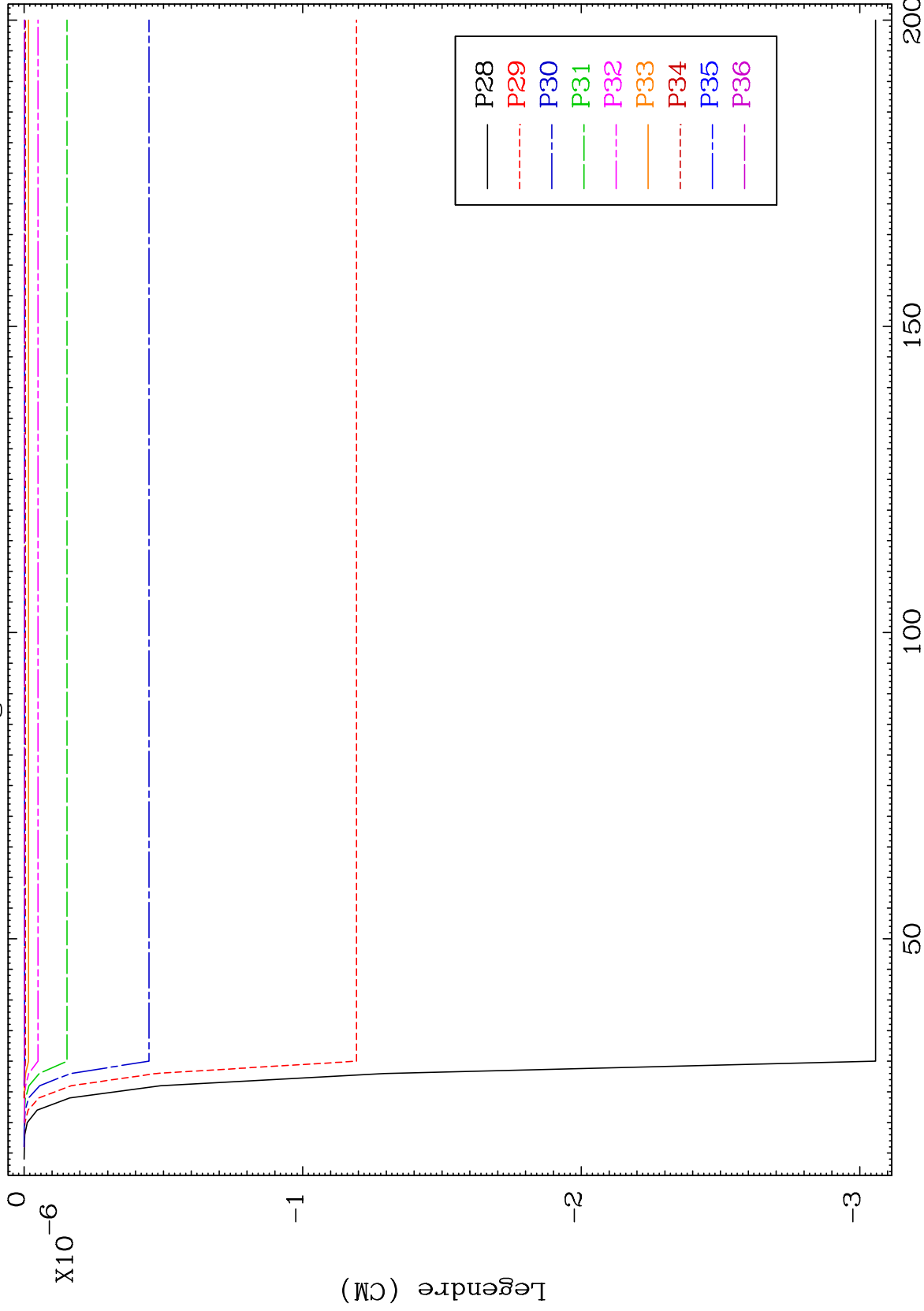
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151

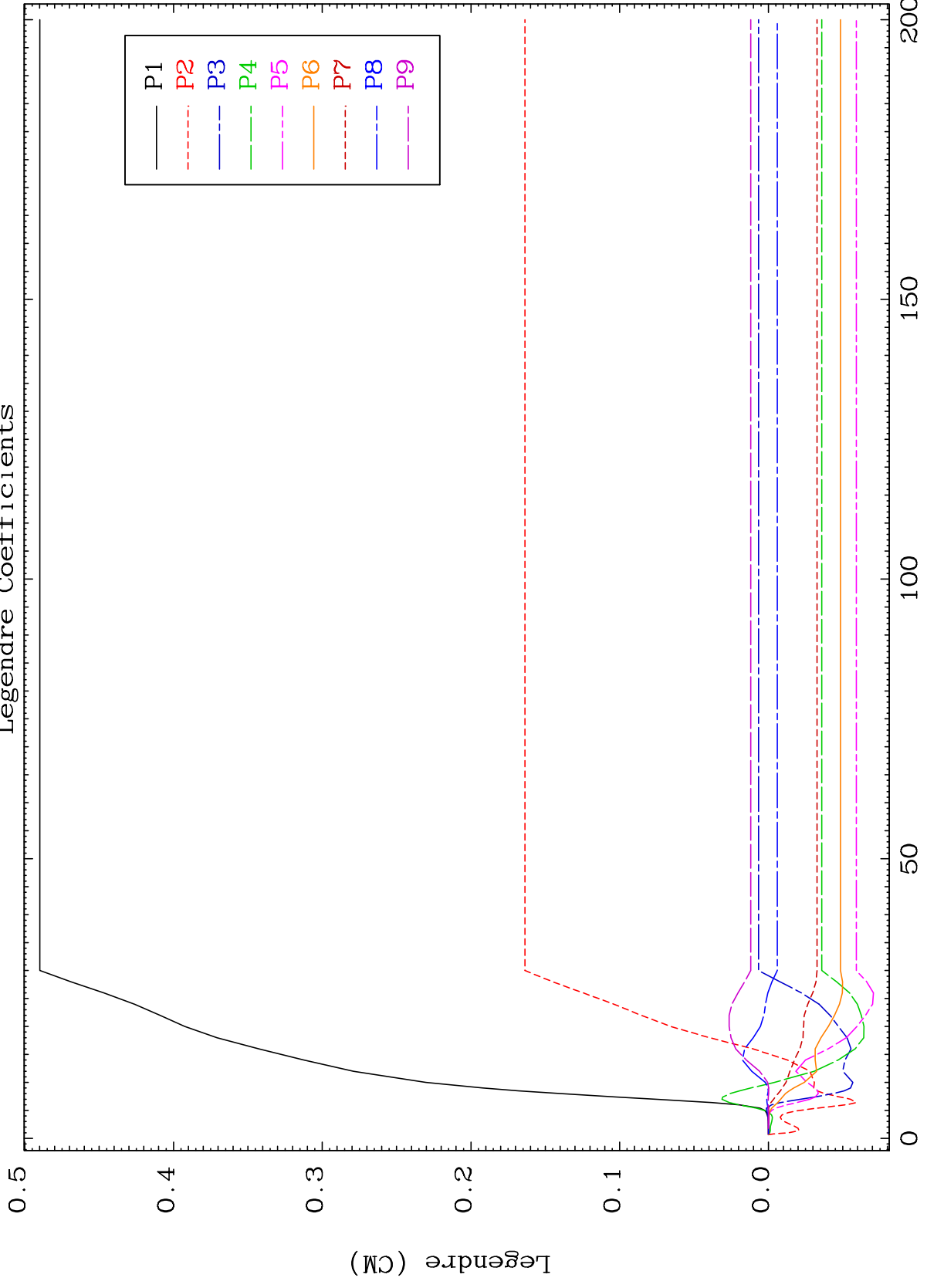


67-Ho-151

Incident Energy (MeV)

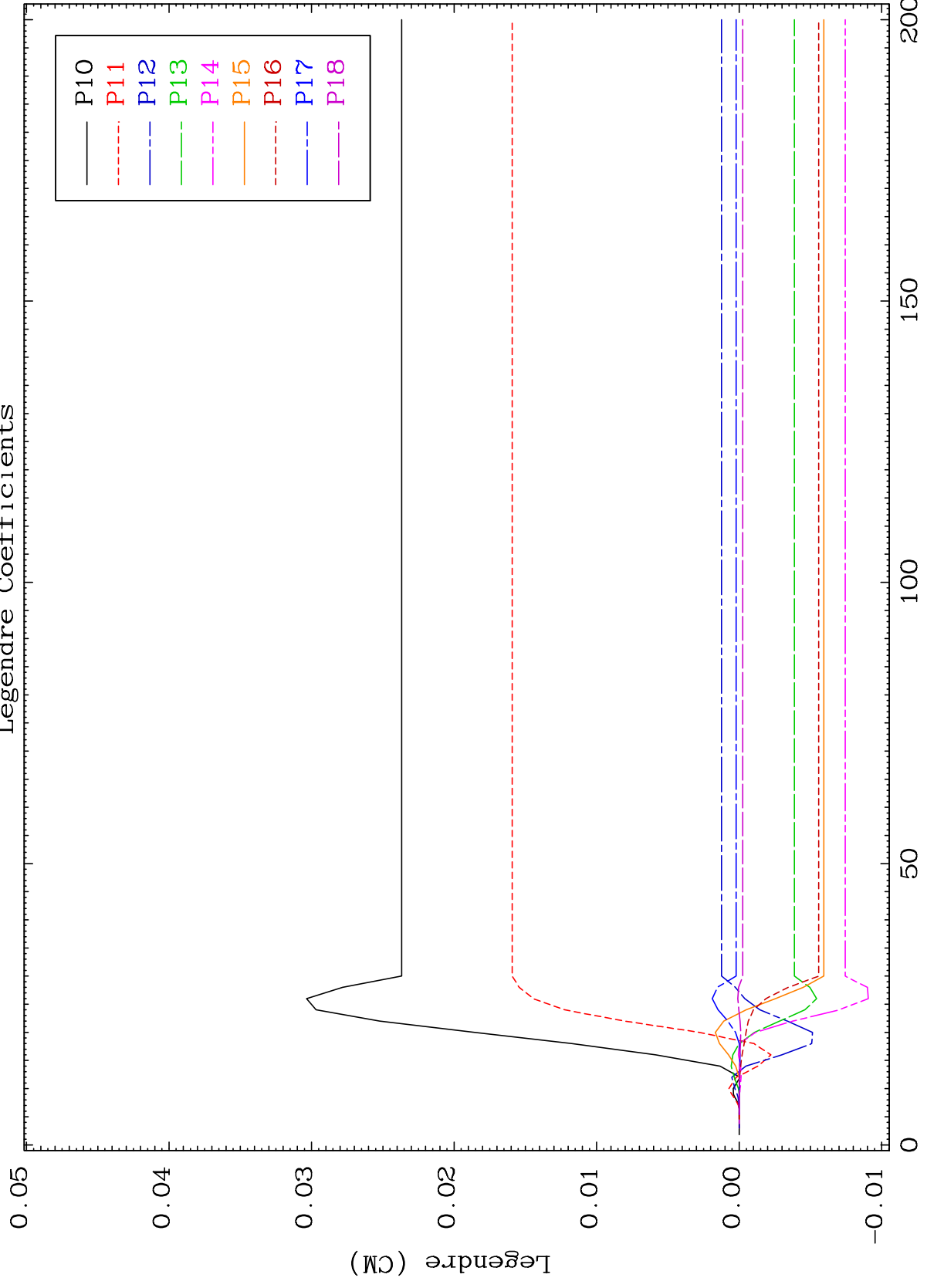
30

MAT 6683 MT= 54 (n,n') Level Legendre Coefficients 67-Ho-151



31 67-Ho-151

MAT 6683 MT= 54 (n,n') Level Legendre Coefficients 67-Ho-151

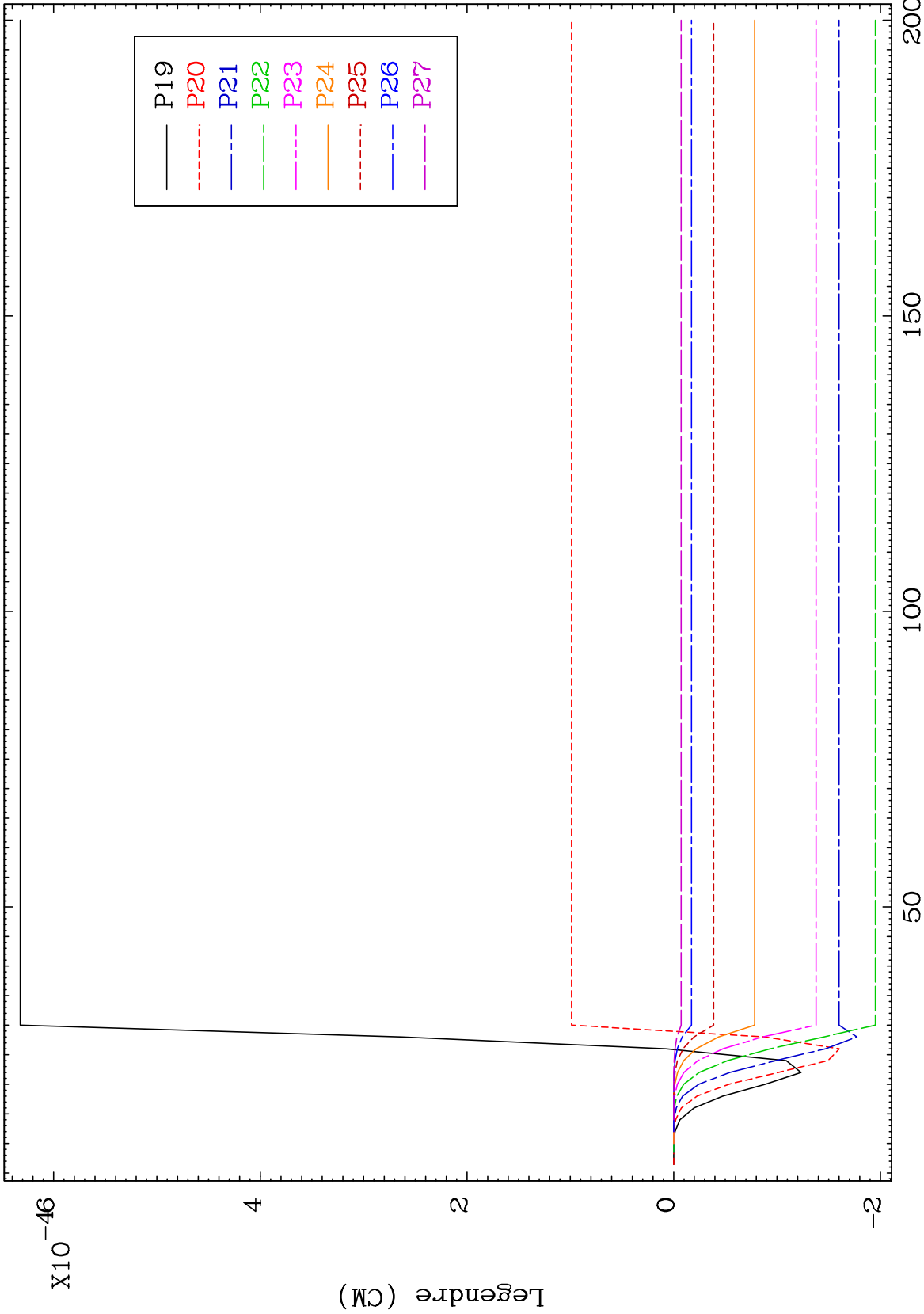


32 67-Ho-151

MAT 6683

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

67-Ho-151



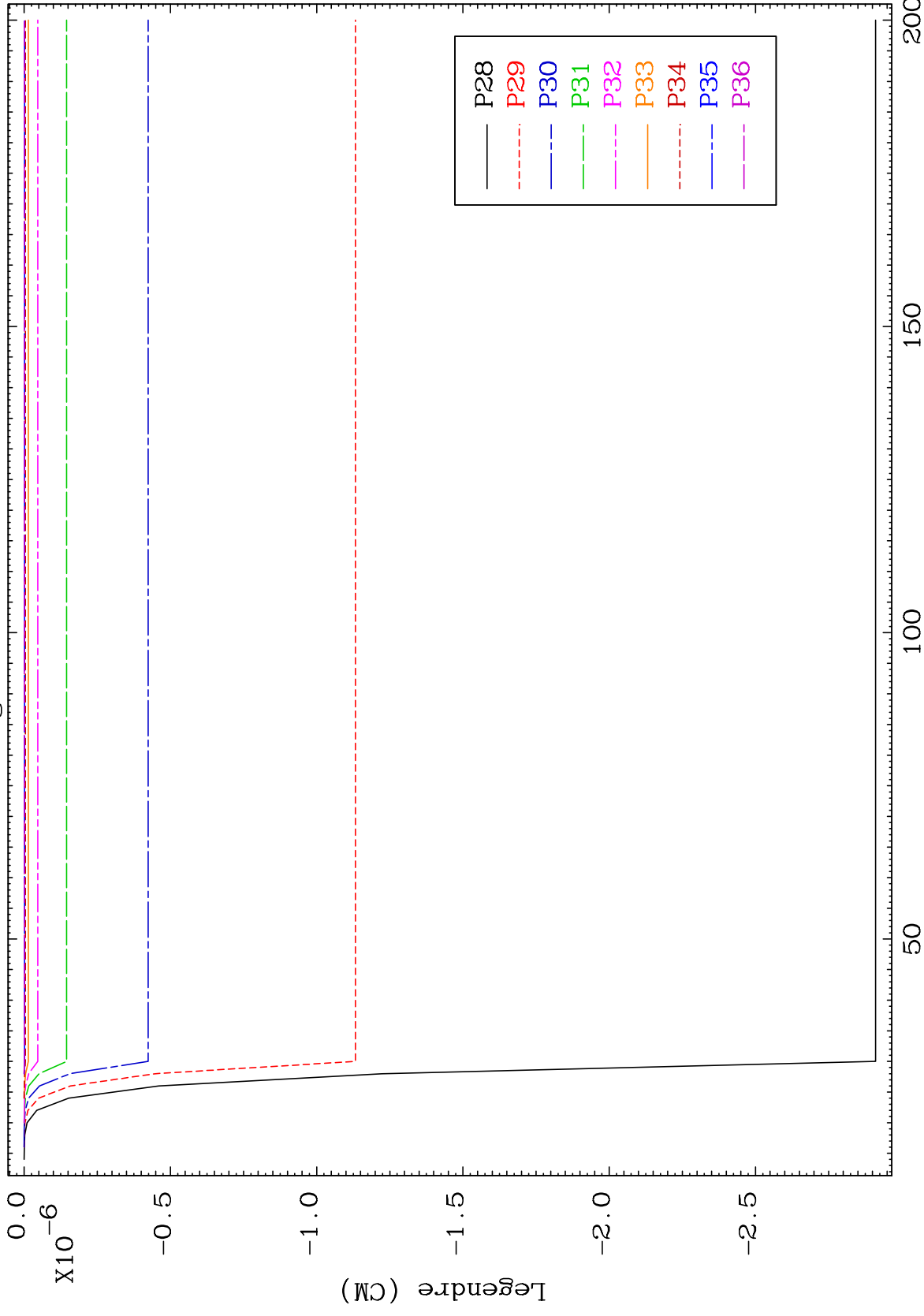
33

67-Ho-151

MAT 6683

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

67-Ho-151



67-Ho-151

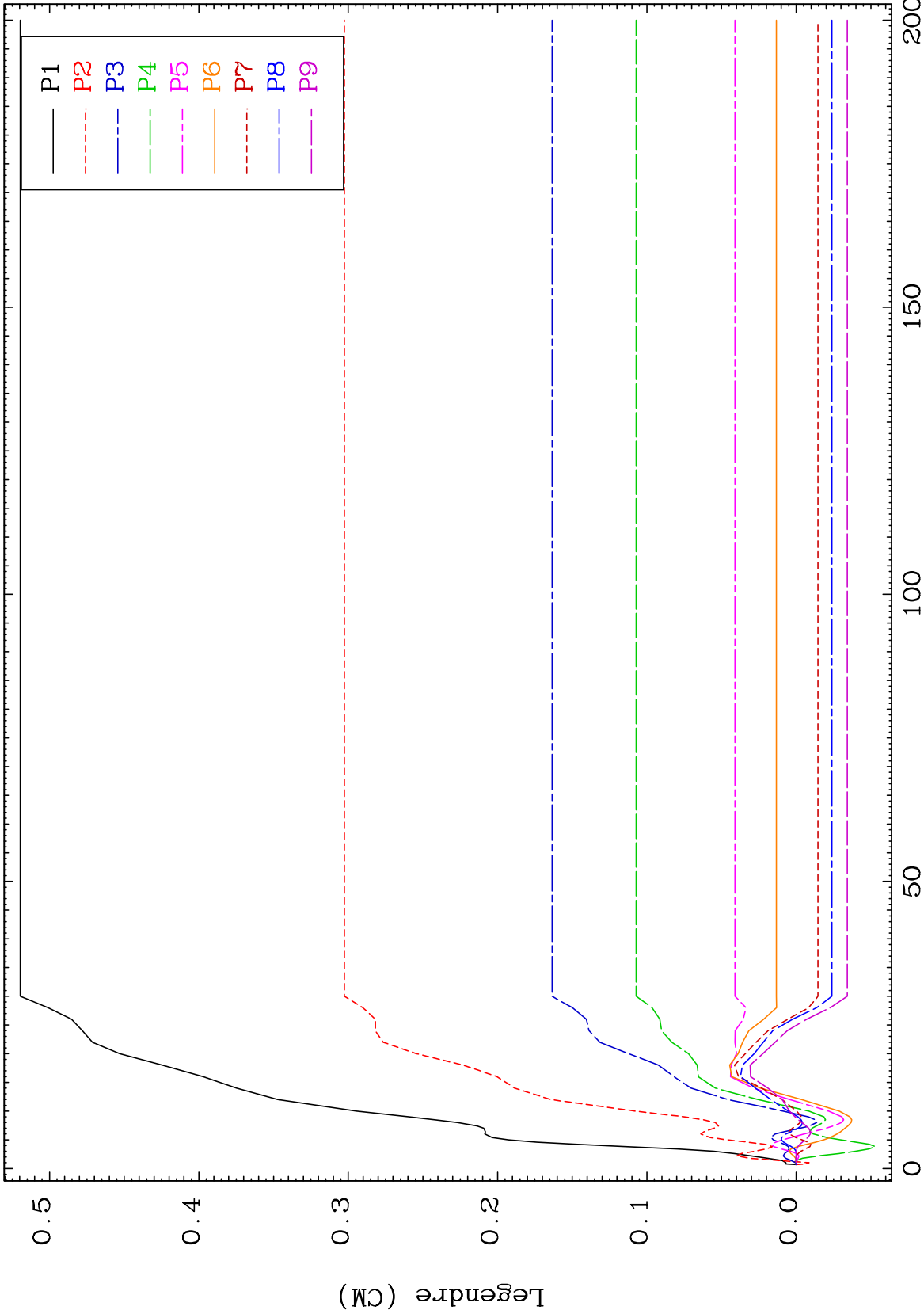
Incident Energy (MeV)

34

MAT 6683

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

67-Ho-151



35

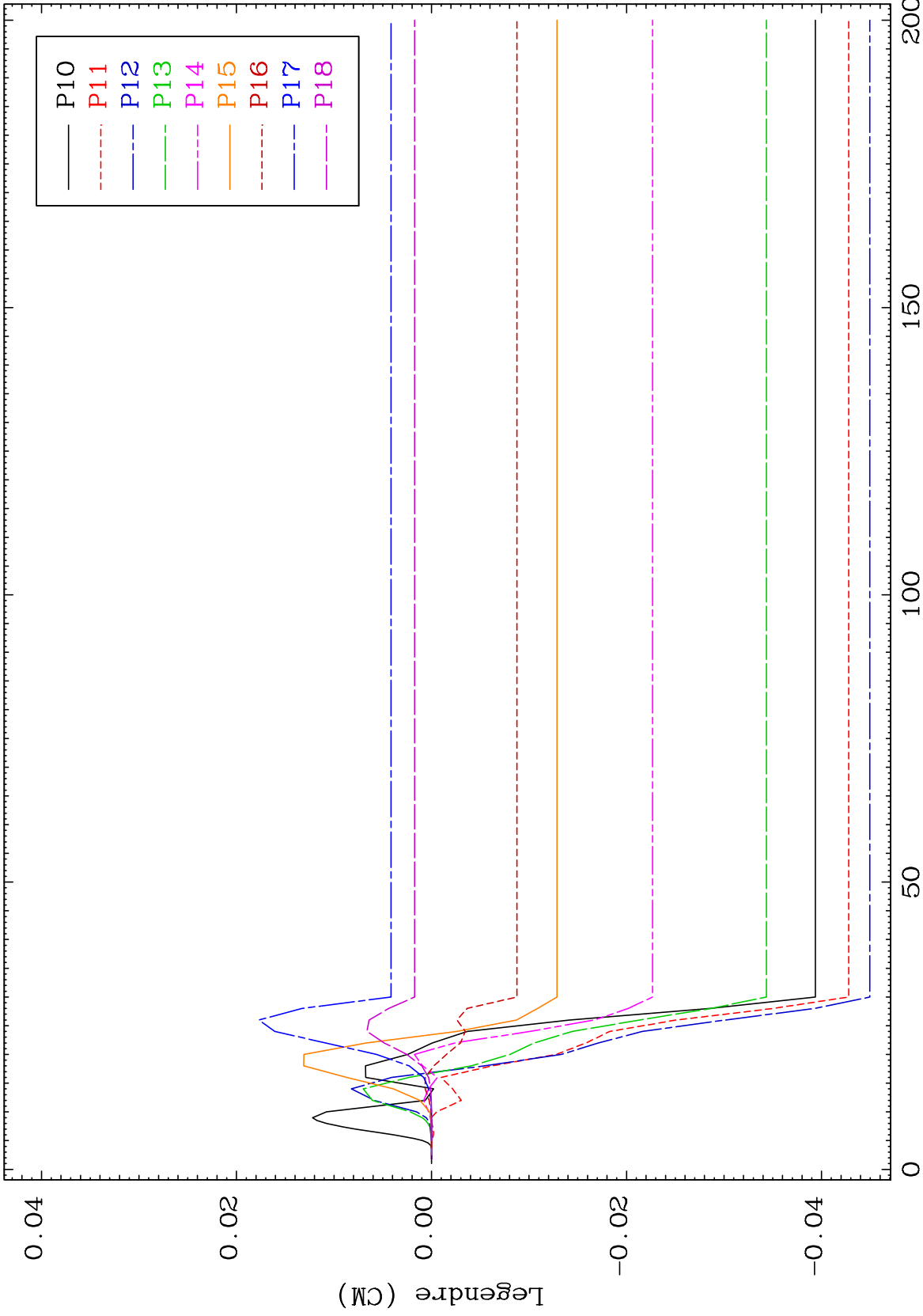
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151



36

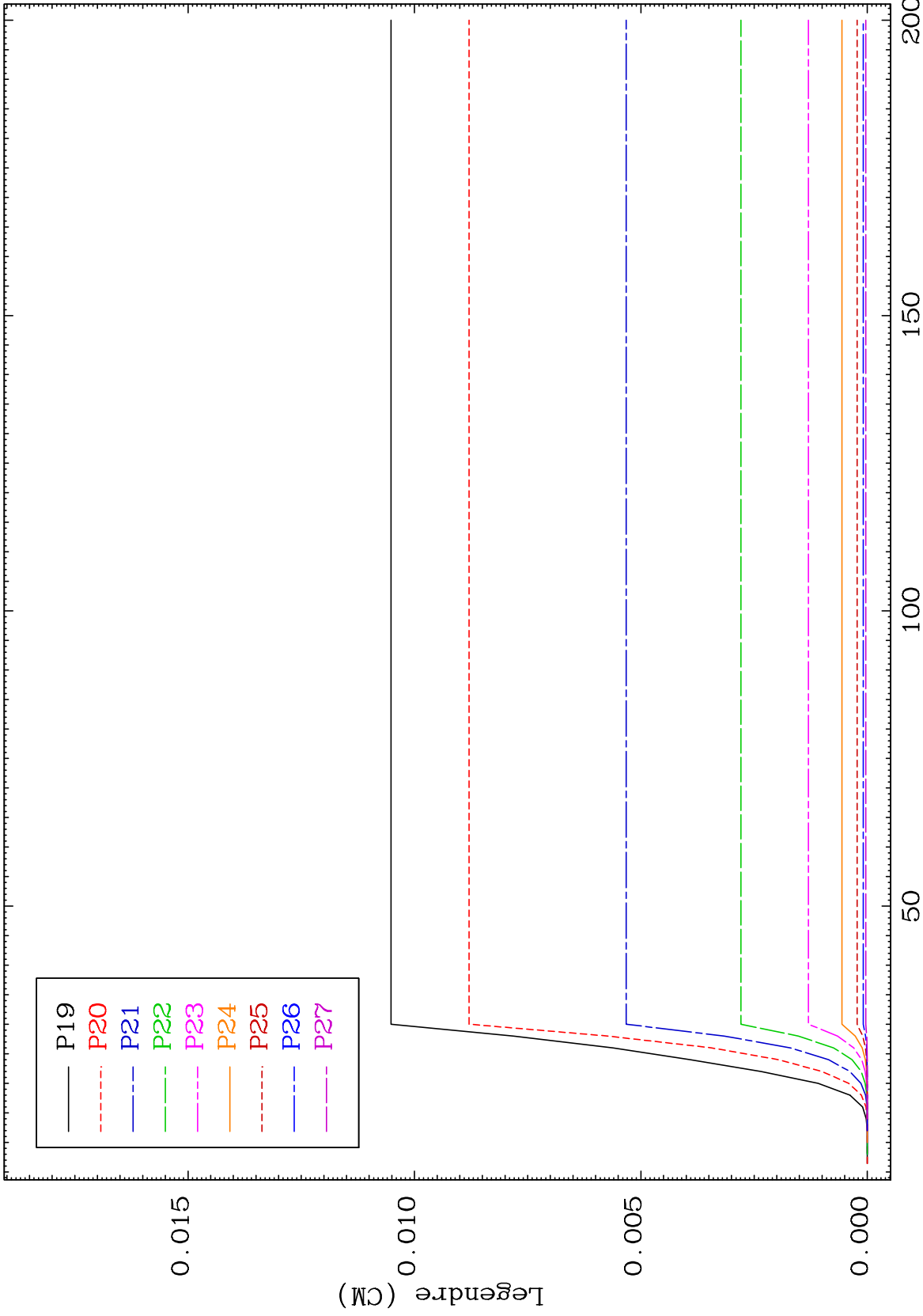
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151



37

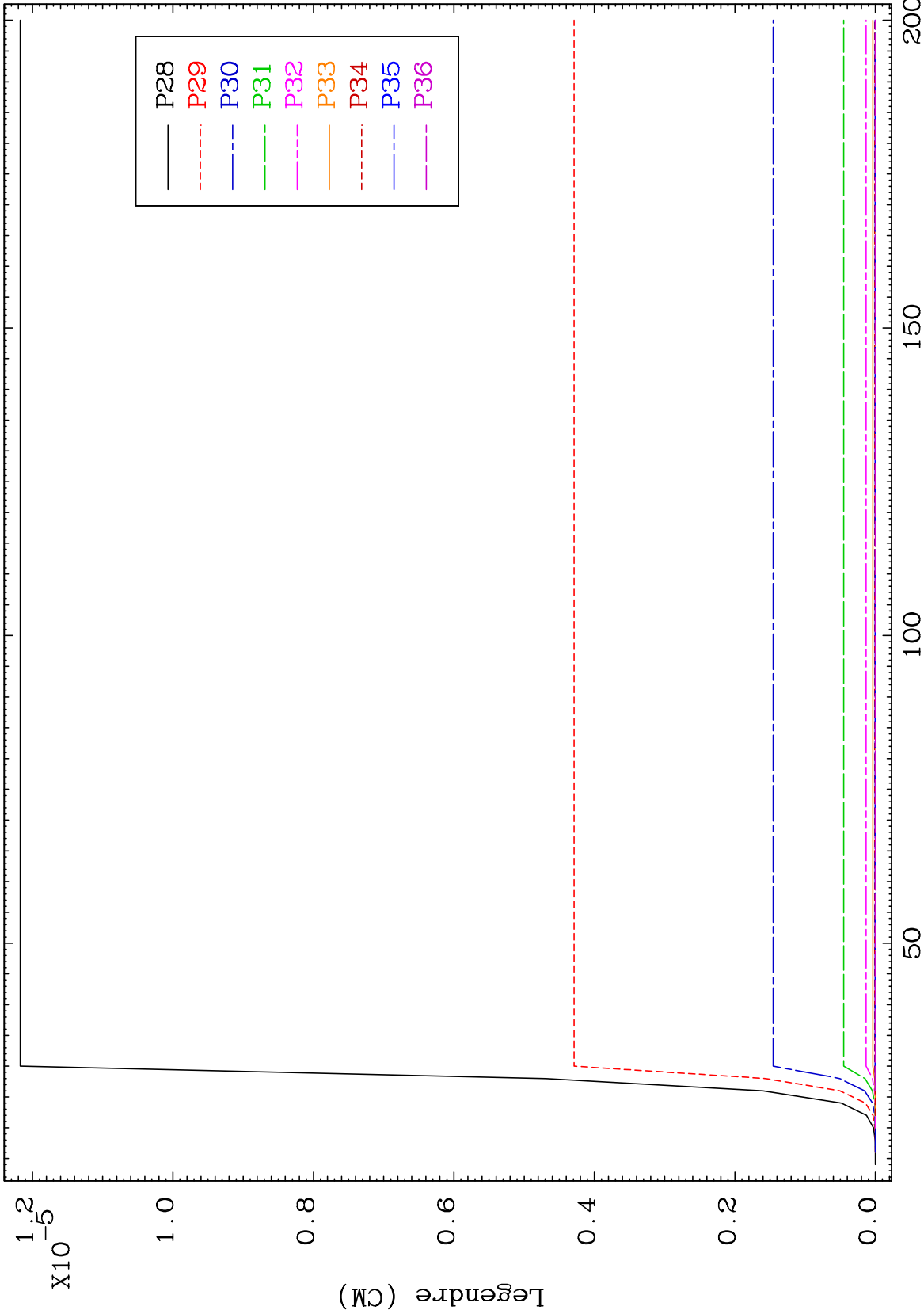
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151



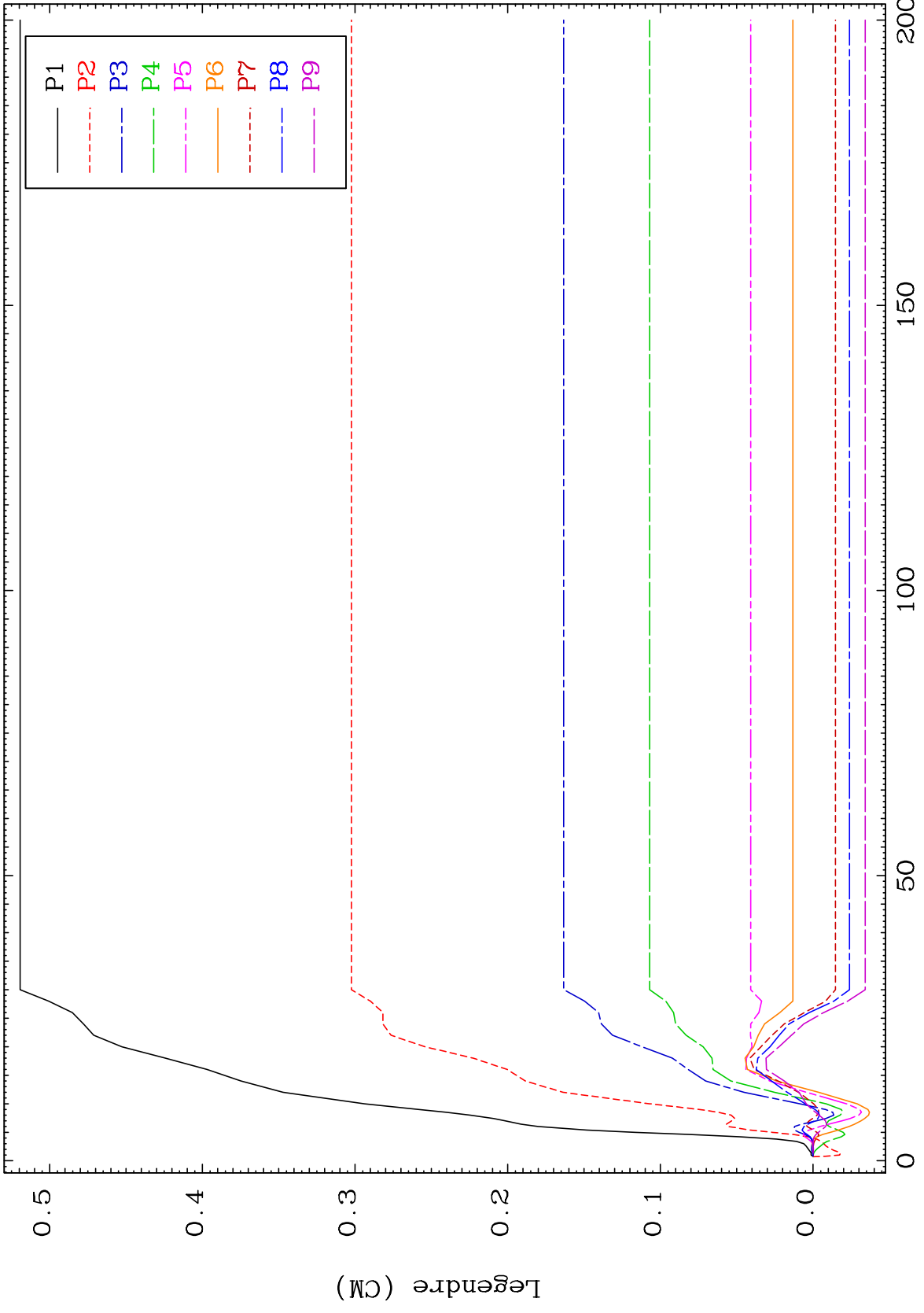
38

67-Ho-151

MAT 6683

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

67-Ho-151



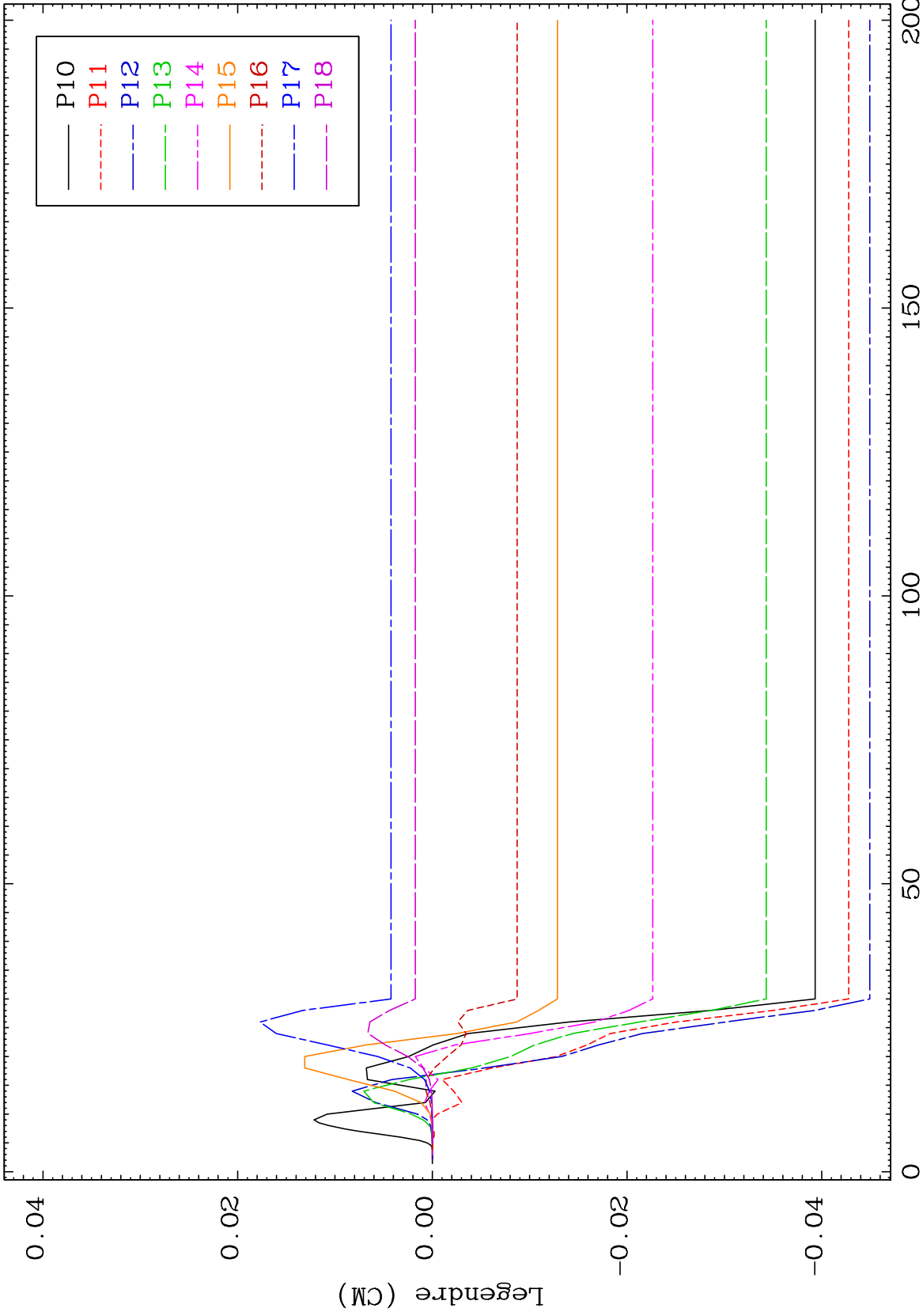
39

67-Ho-151

MAT 6683

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

67-Ho-151



40

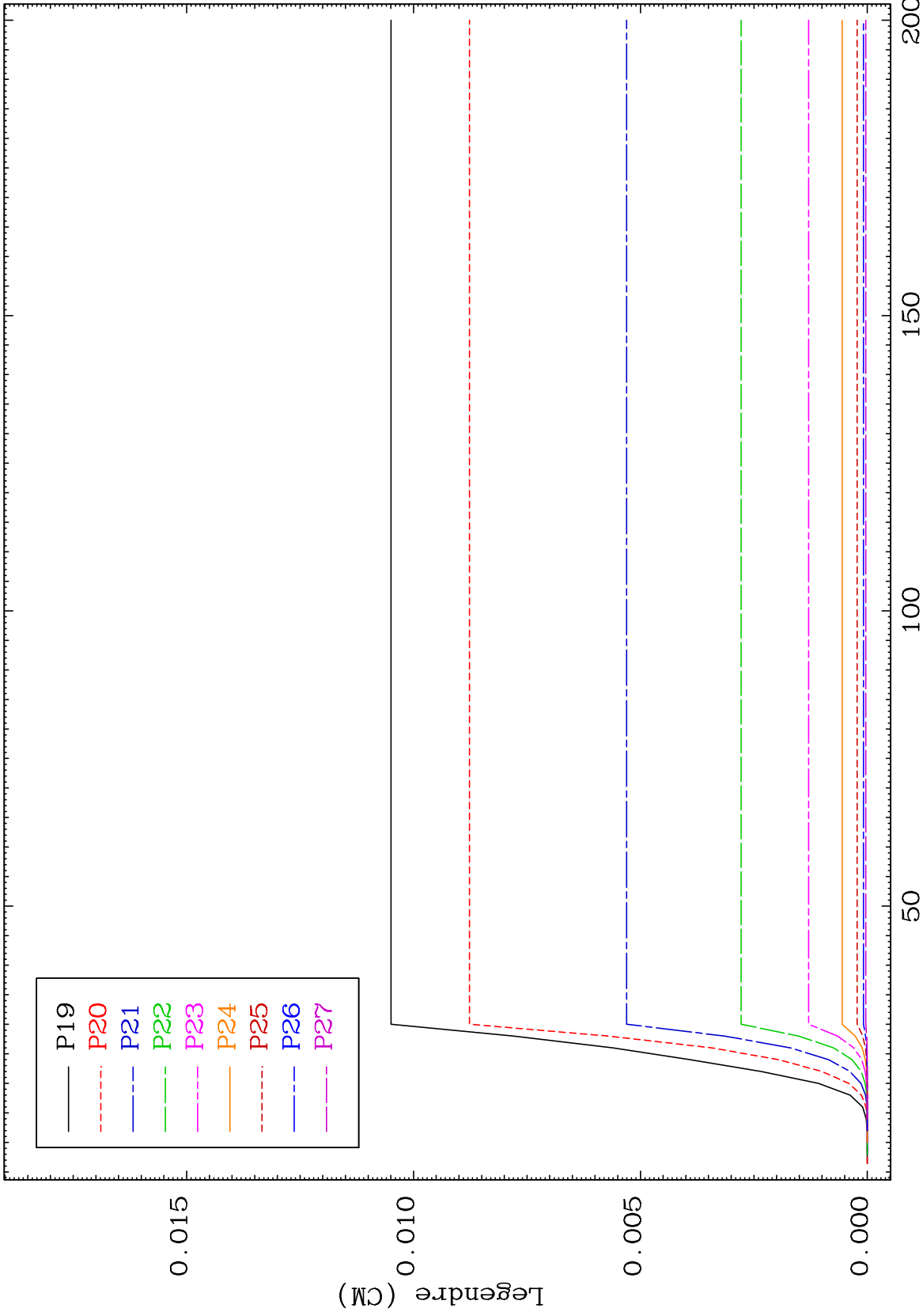
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151



41

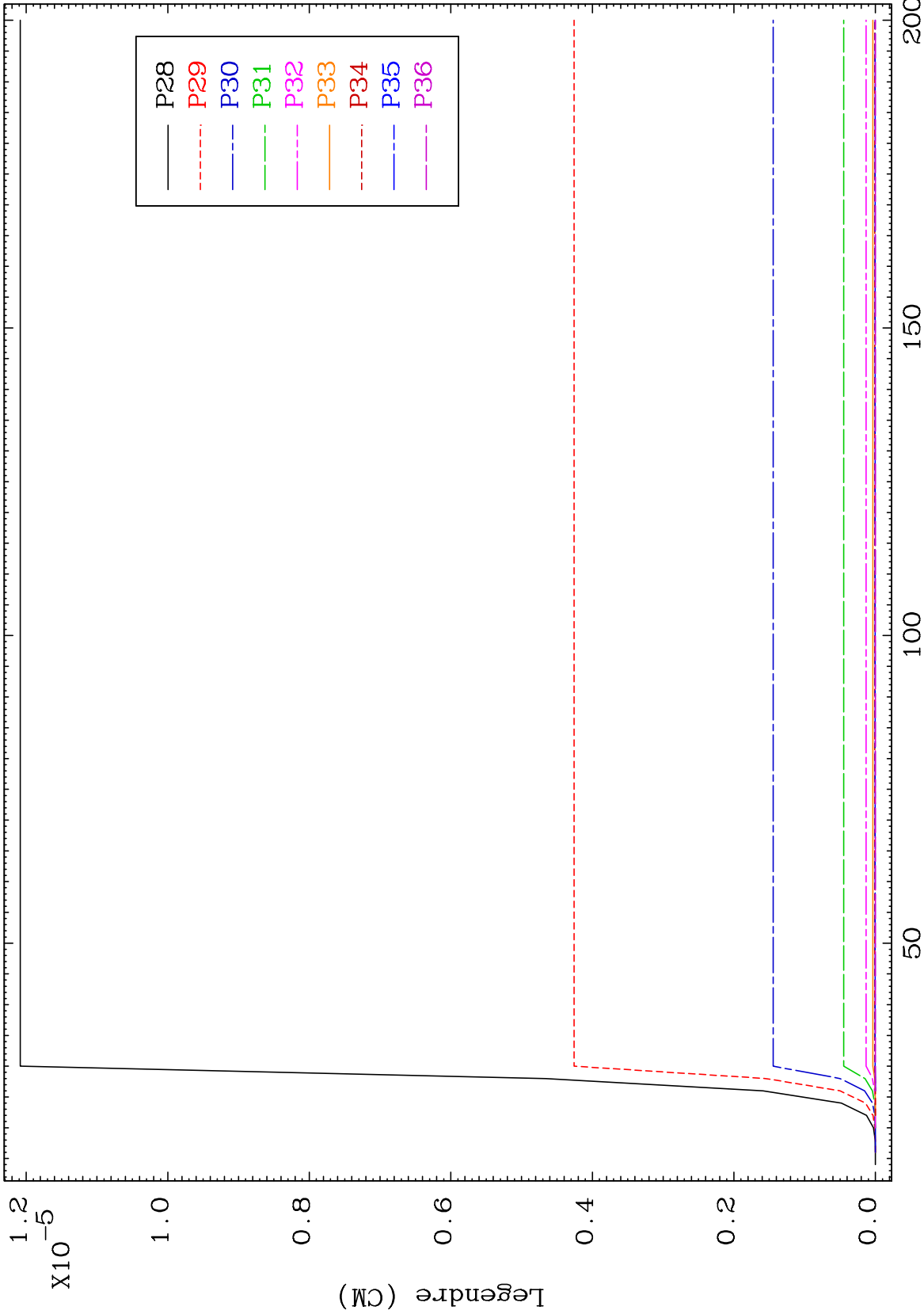
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151



42

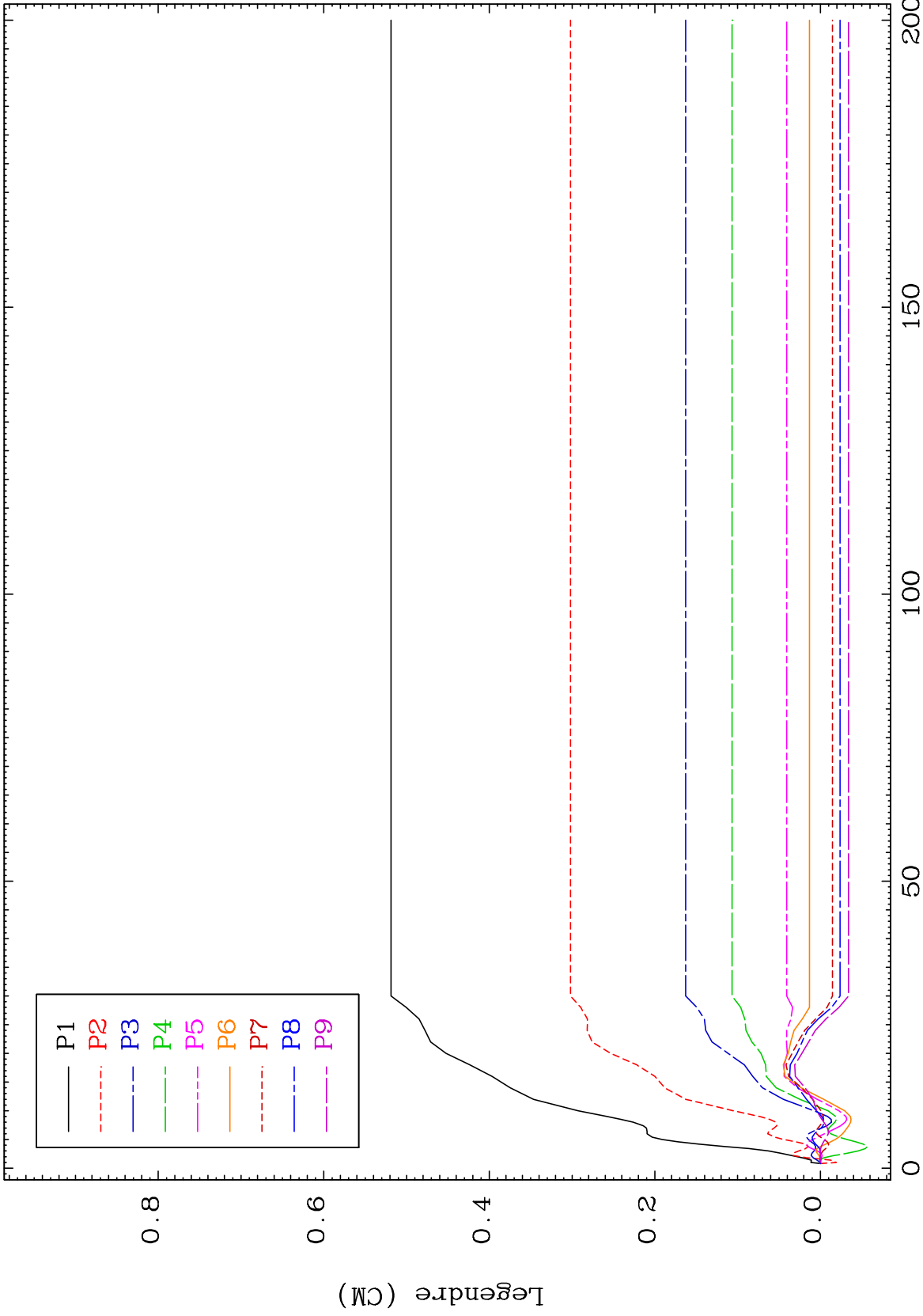
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151



43

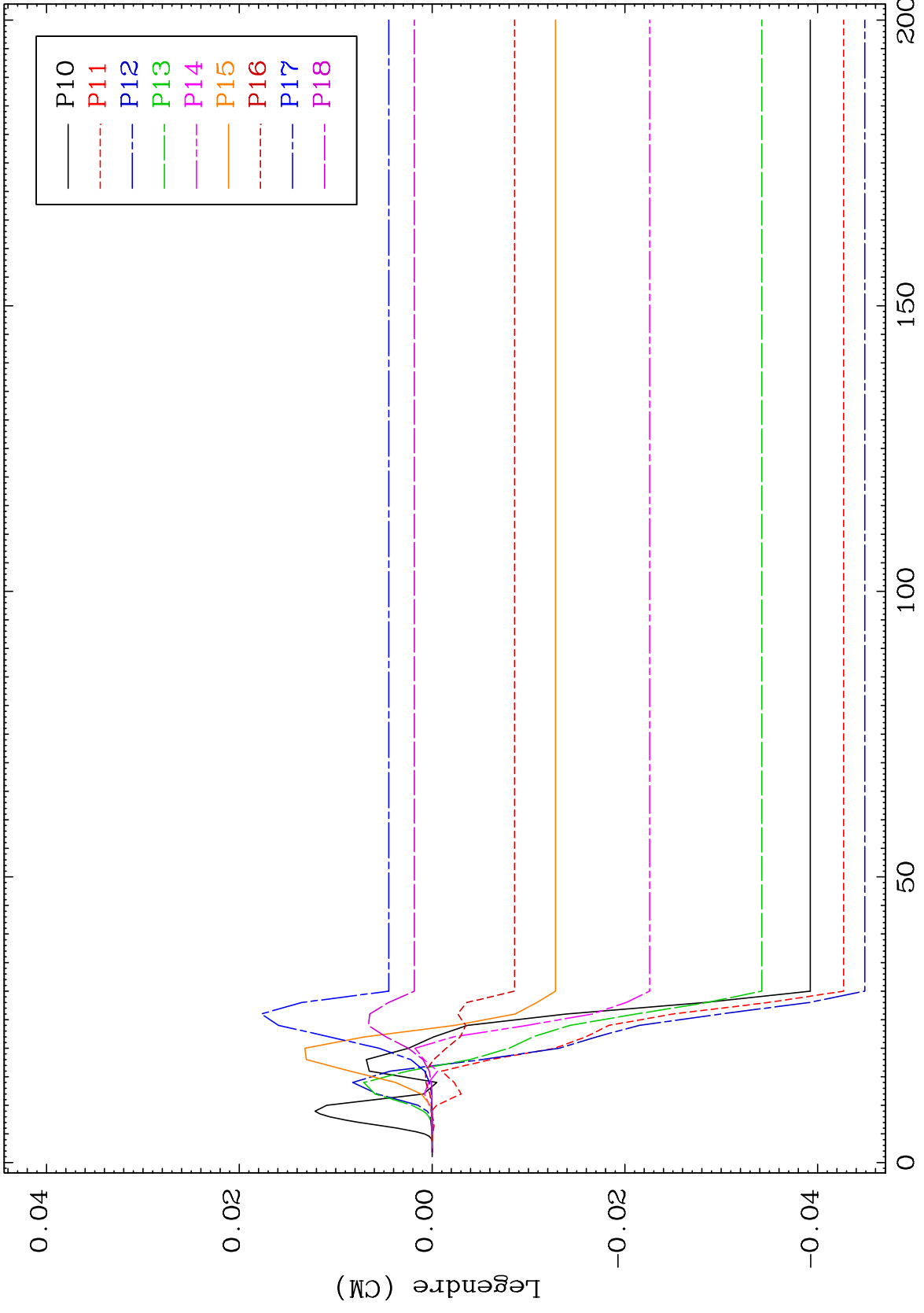
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151



44

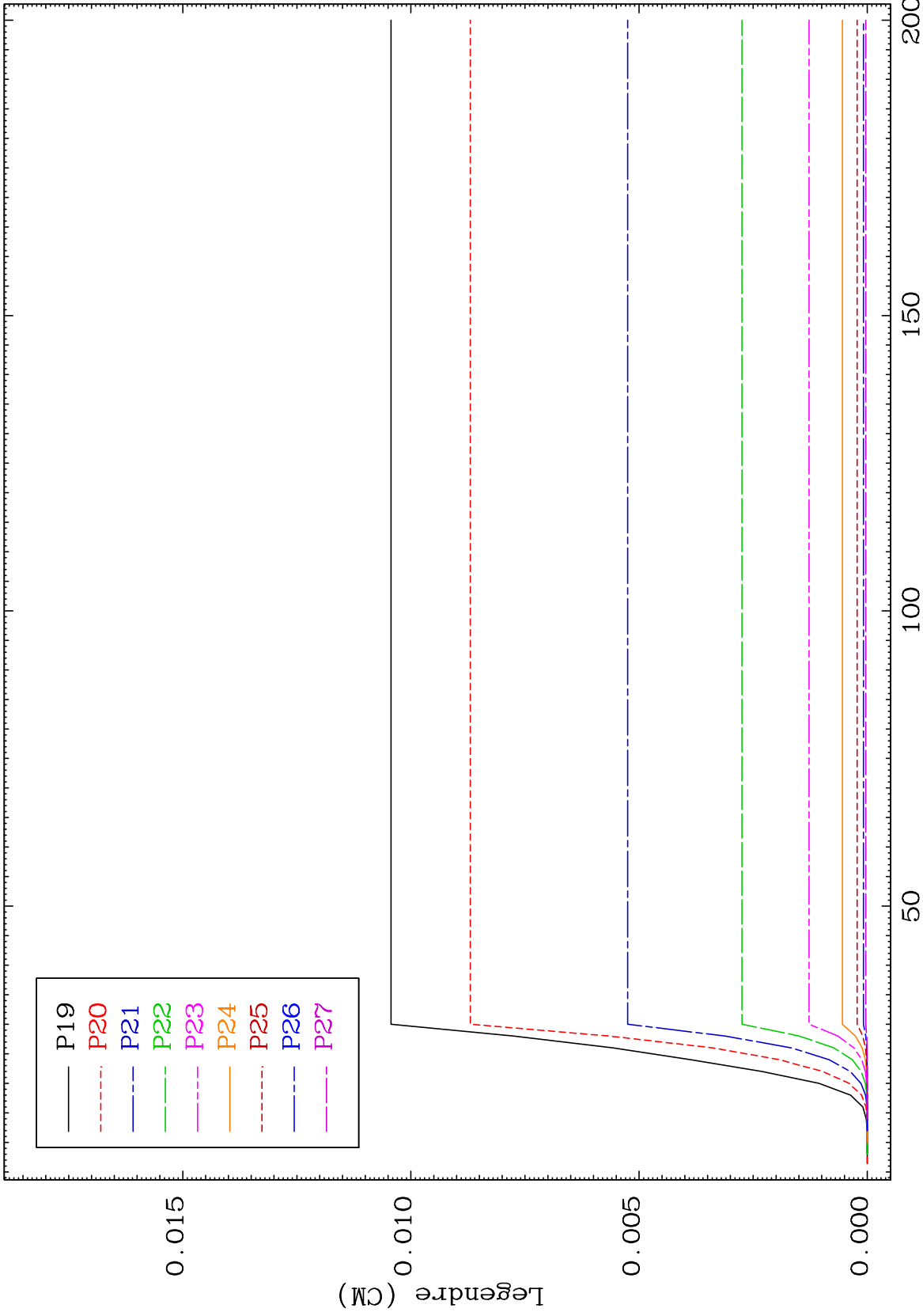
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151



45

Incident Energy (MeV)

50

100

150

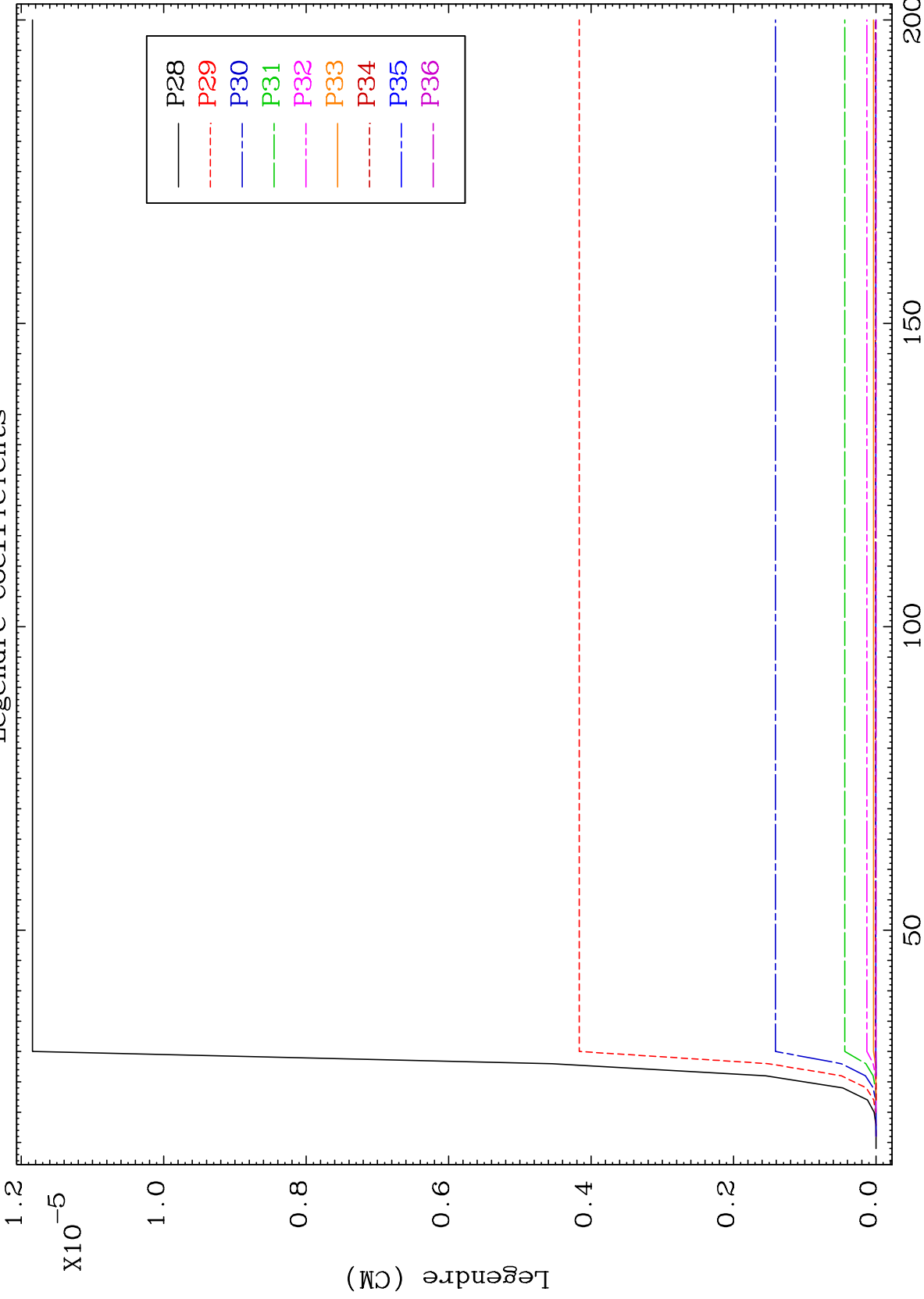
200

67-Ho-151

MAT 6683

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

67-Ho-151



46

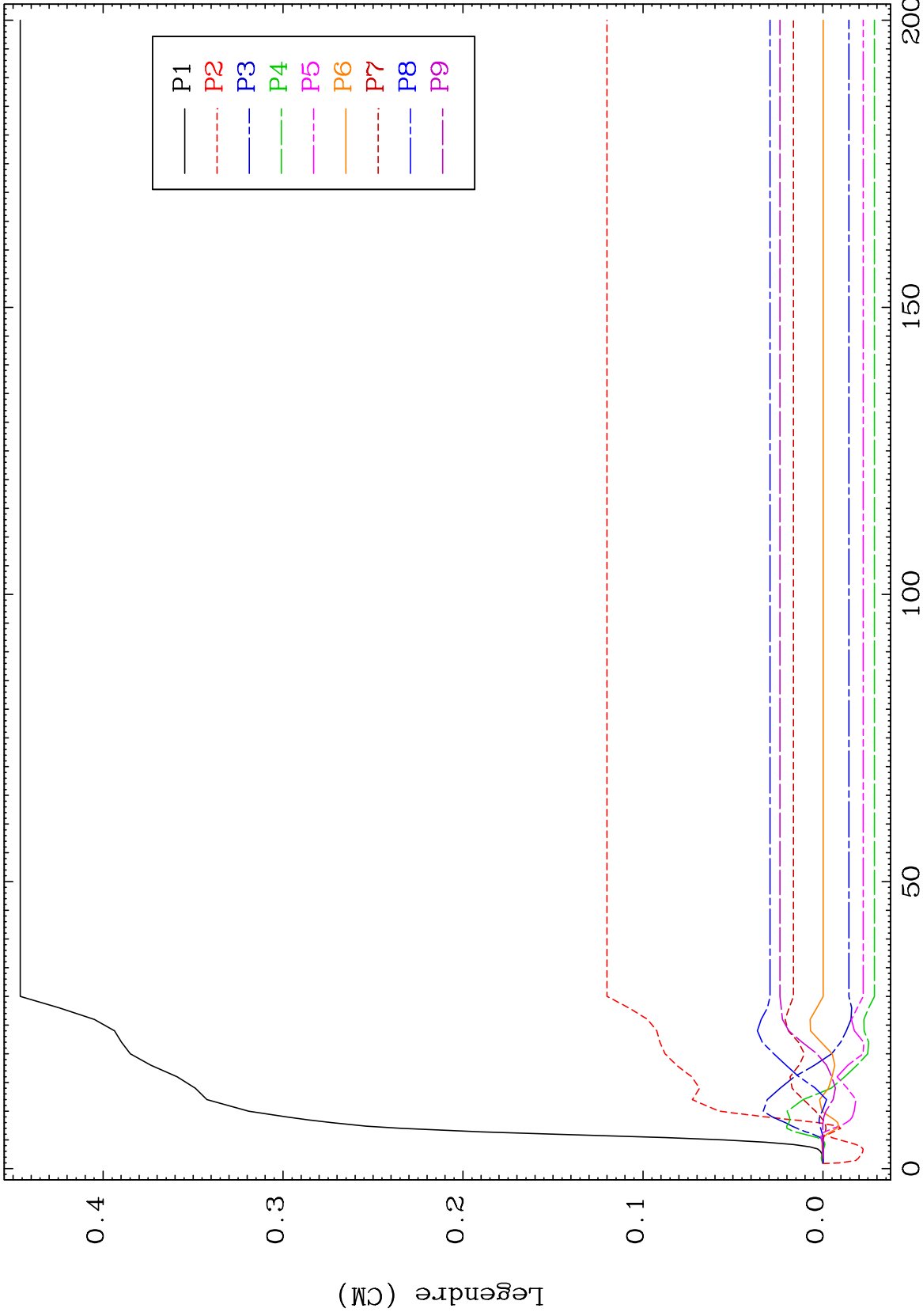
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151



47

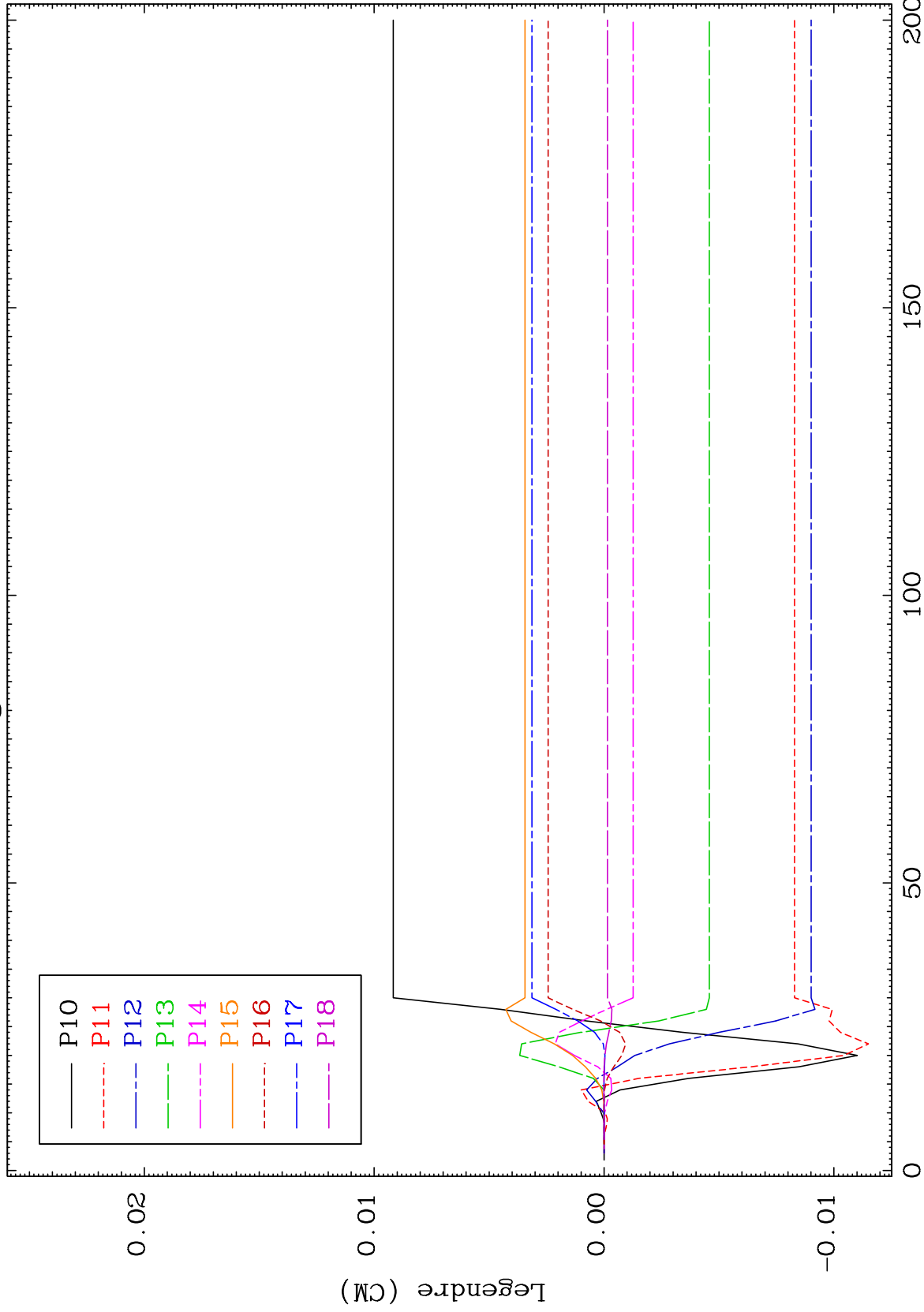
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151



48

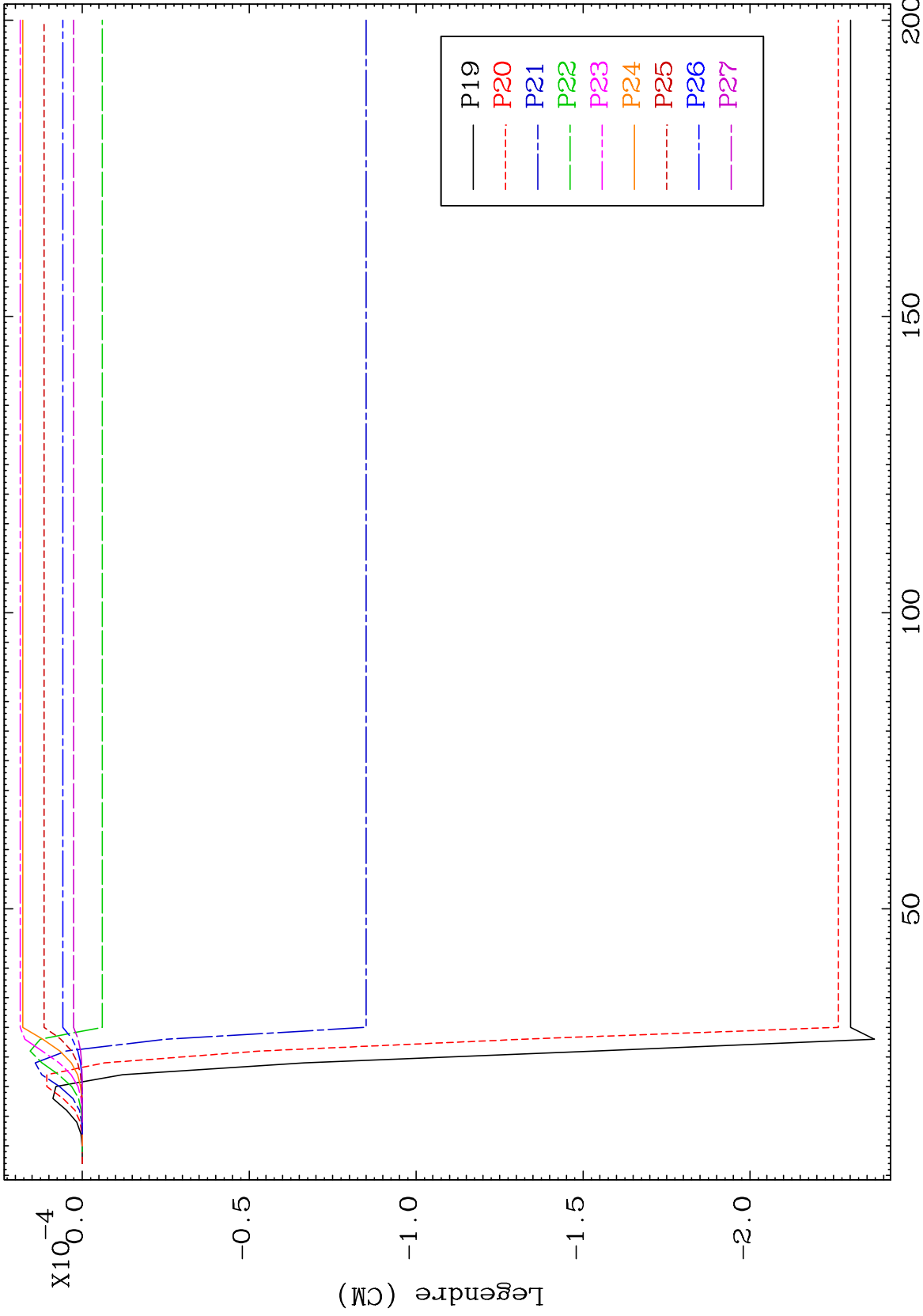
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151



49

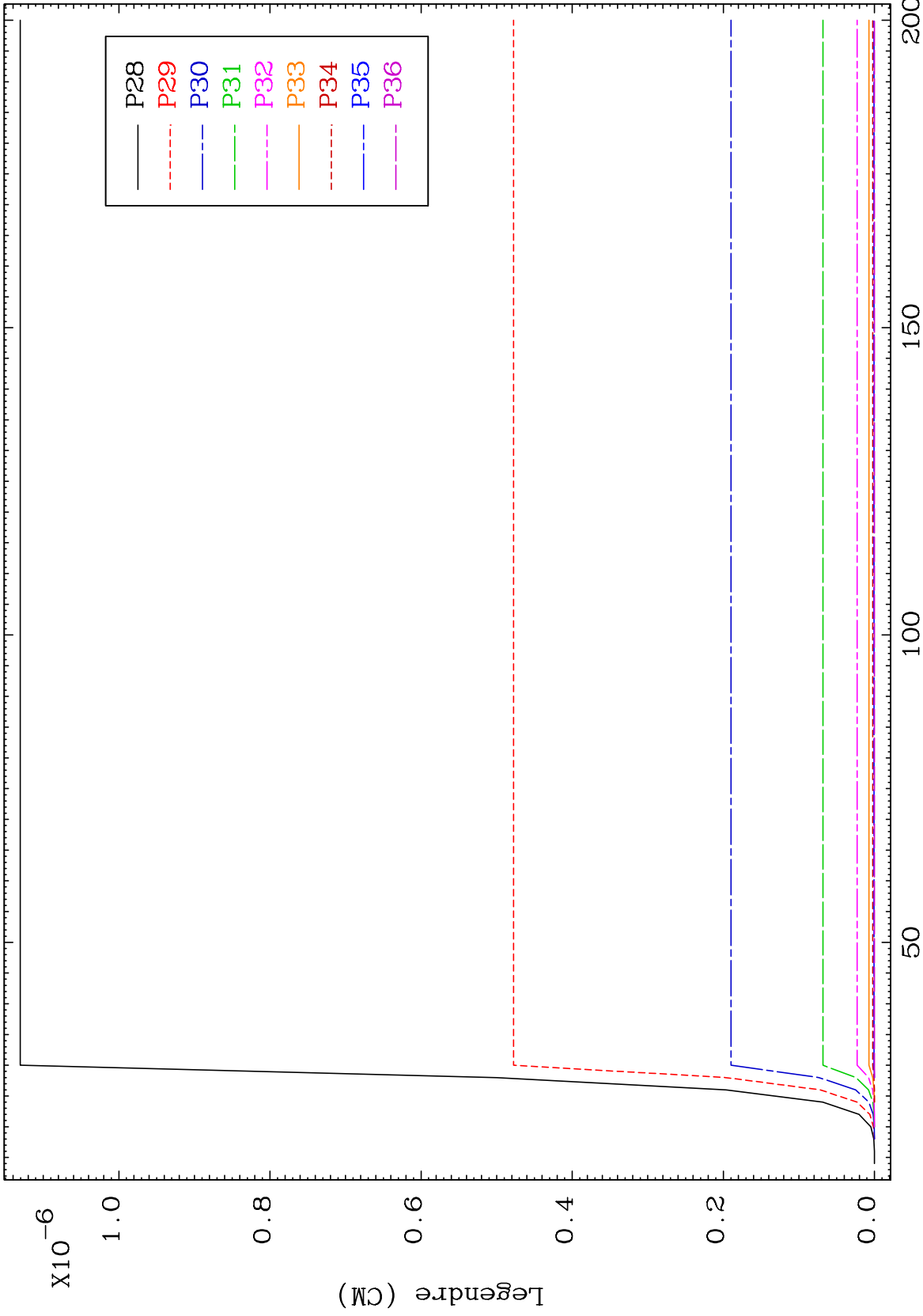
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151



50

50

100

150

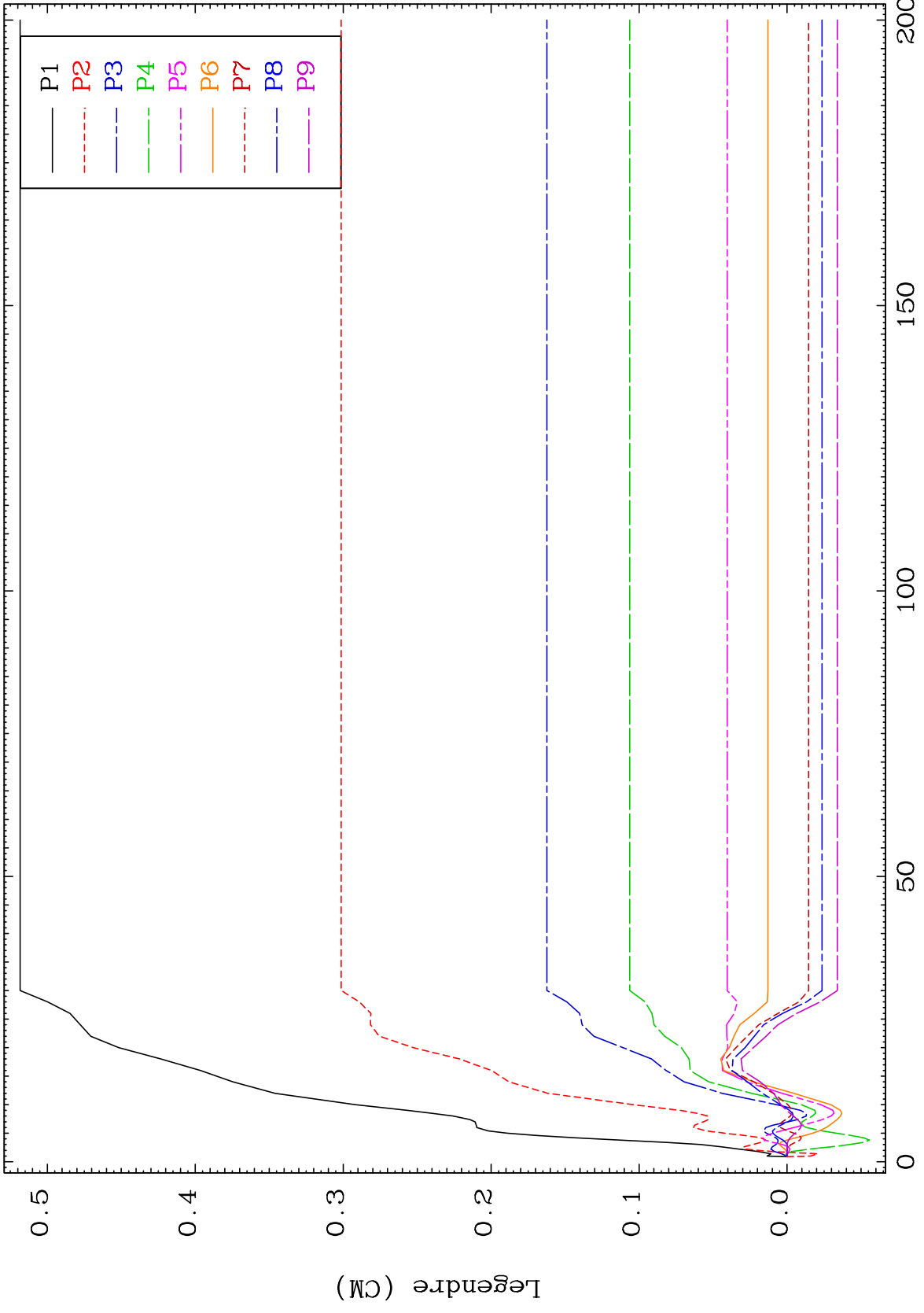
200

67-Ho-151

MAT 6683

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

67-Ho-151



51

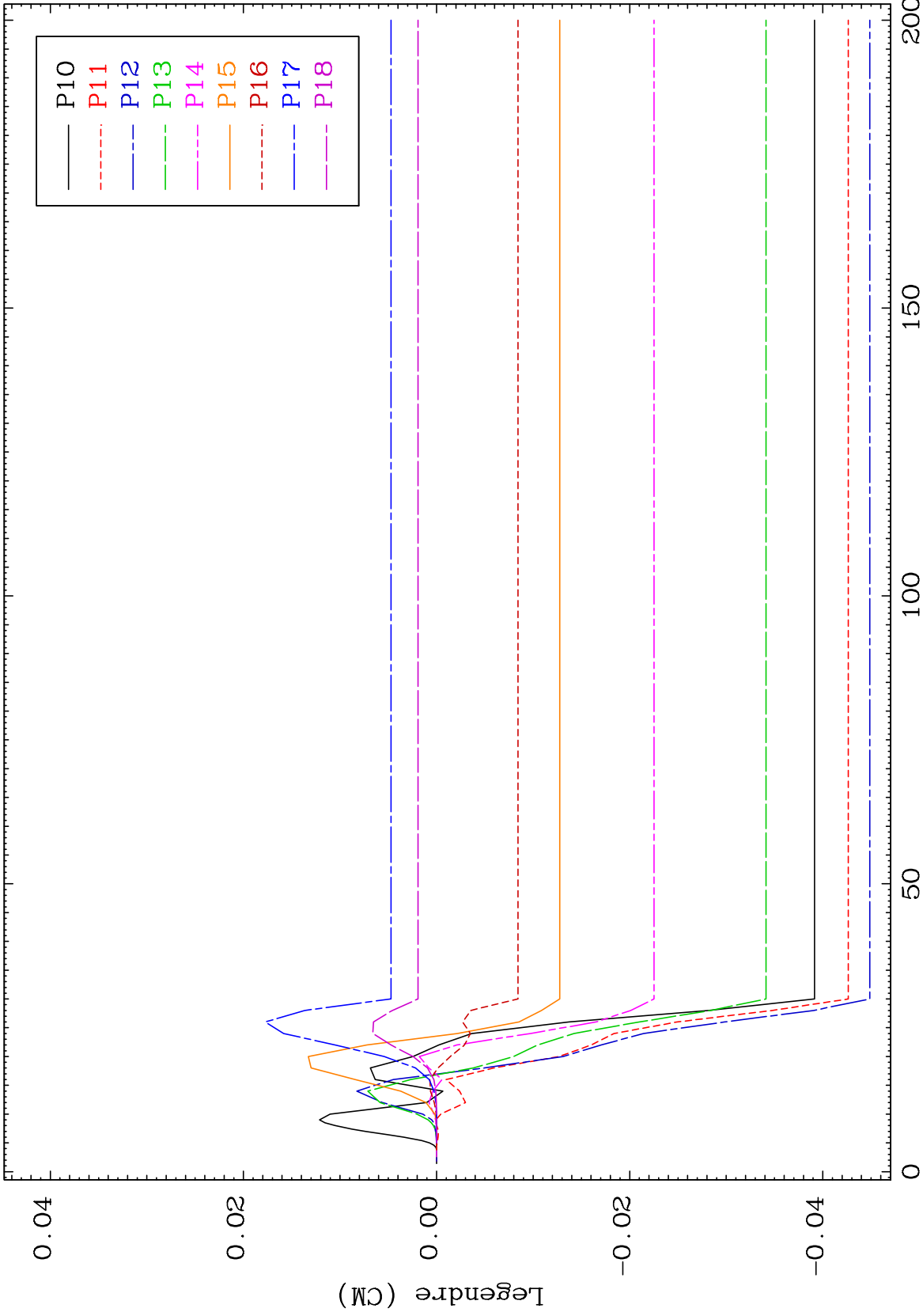
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151



52

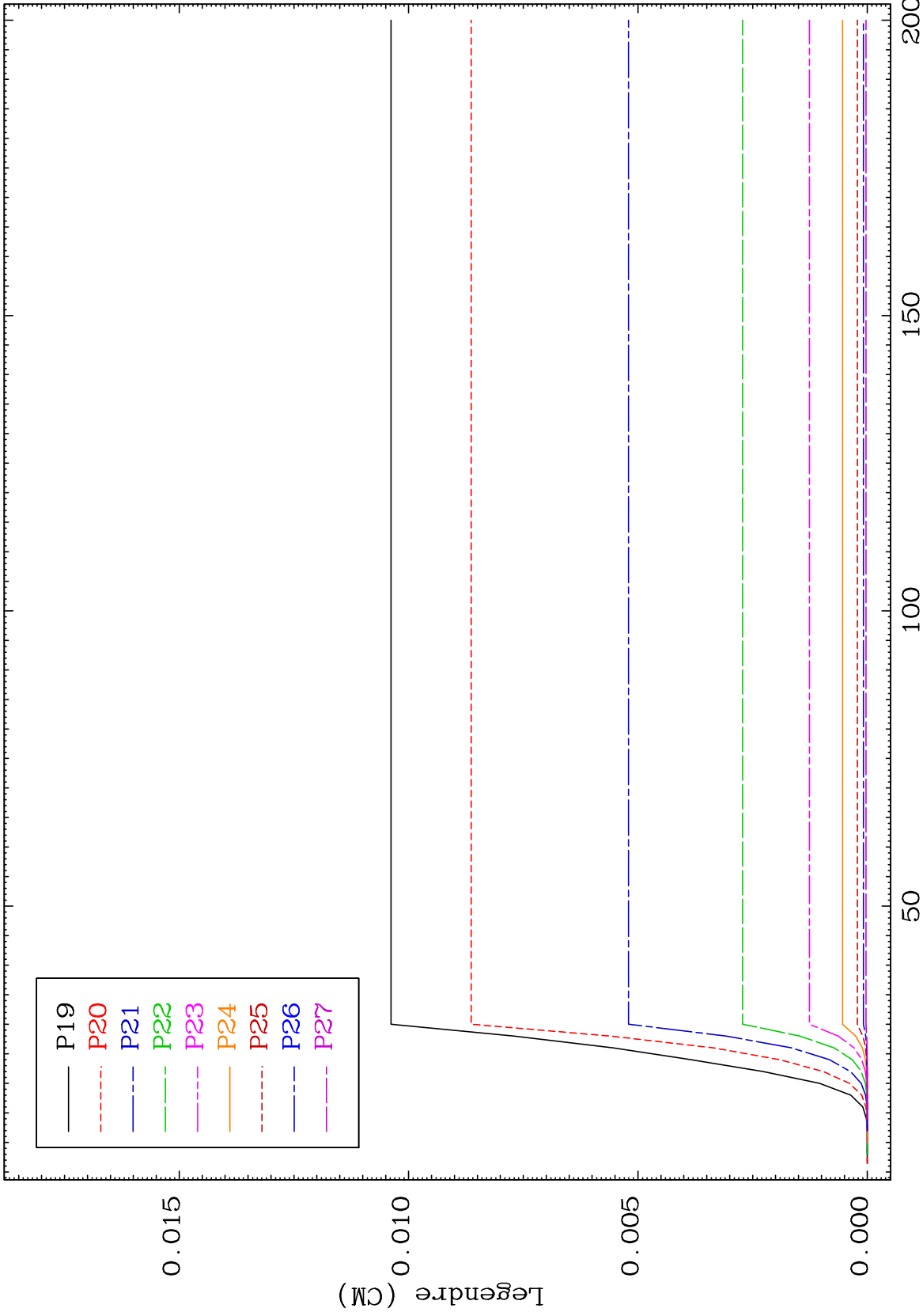
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151



53

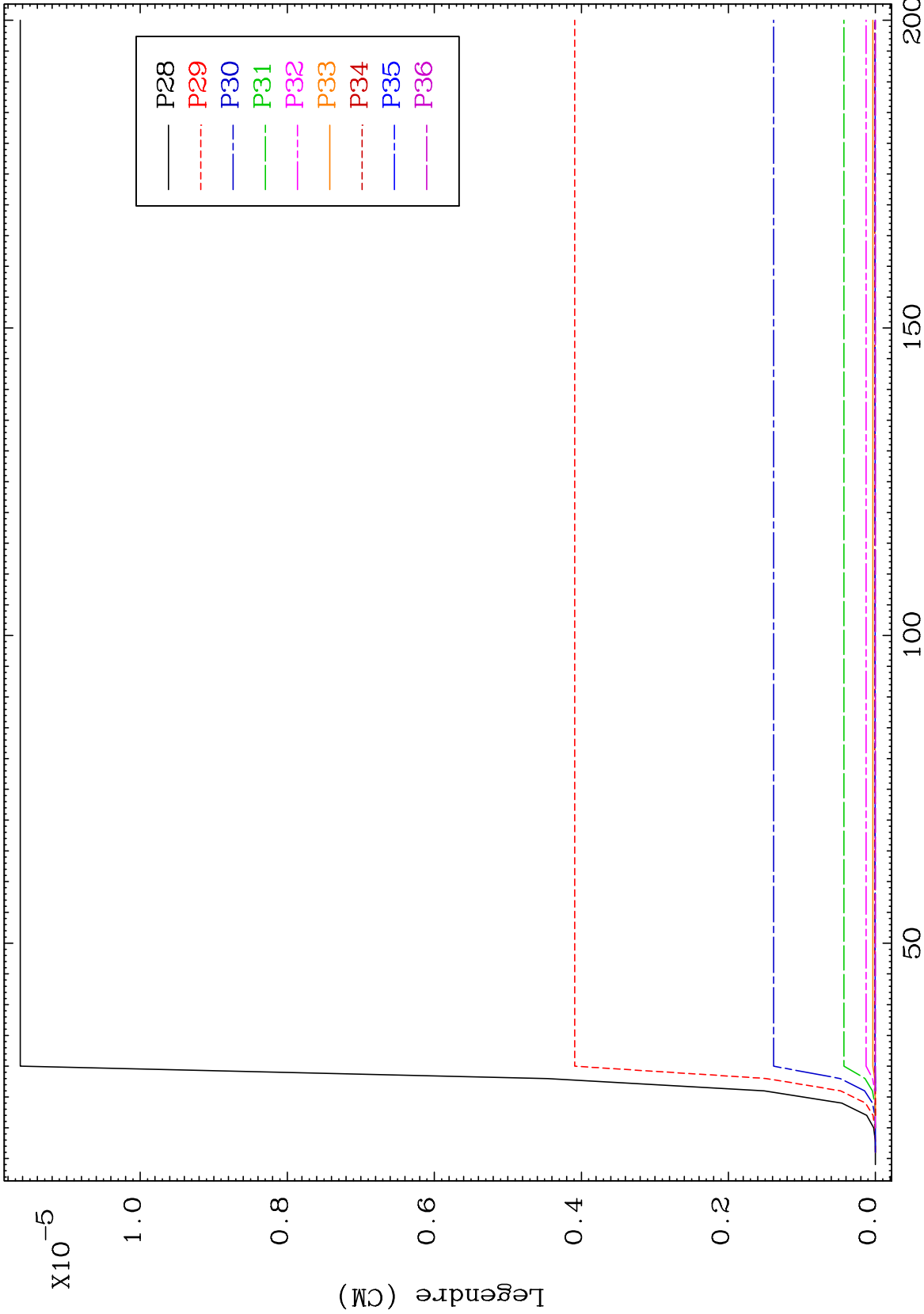
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151



54

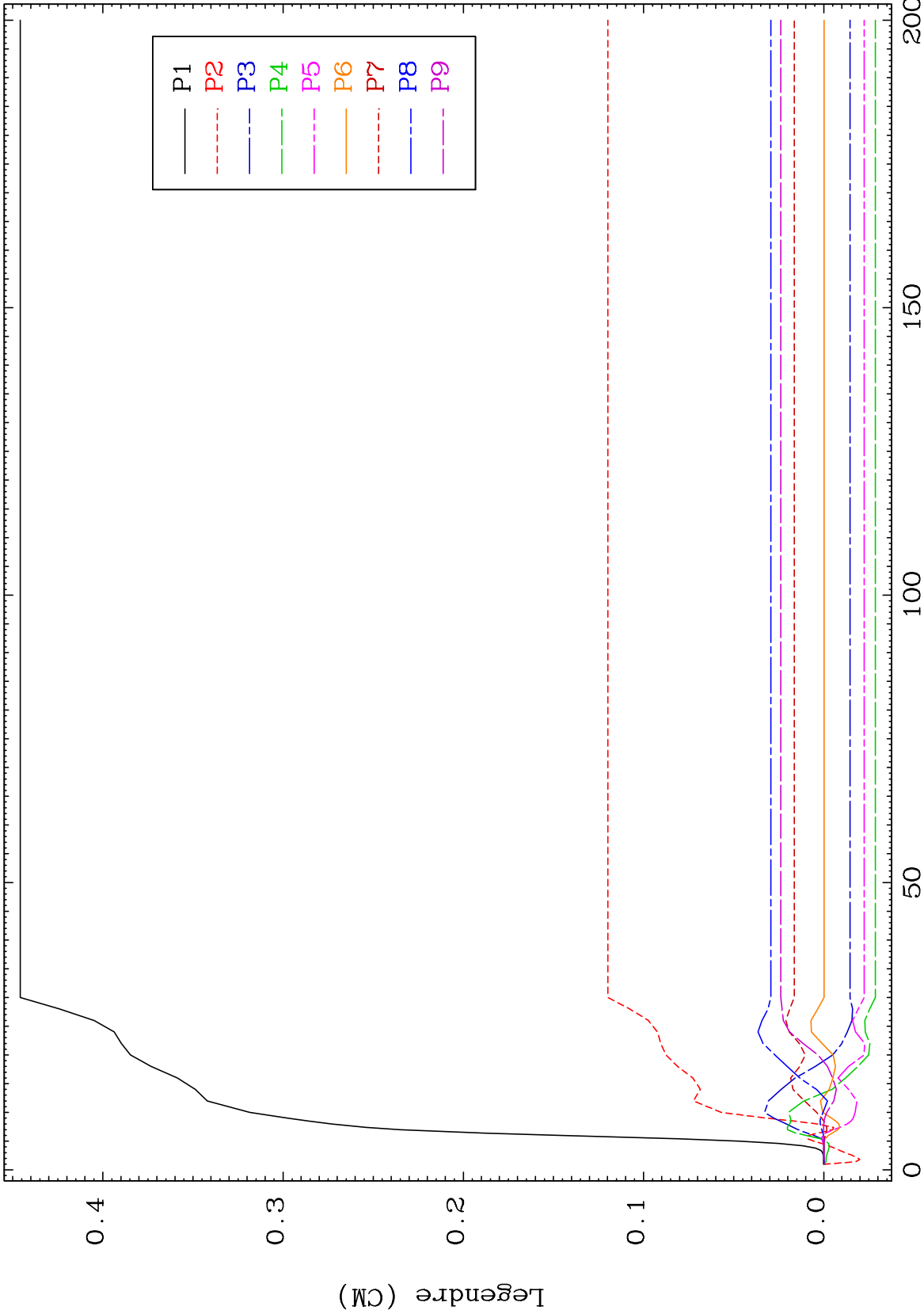
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151



67-Ho-151

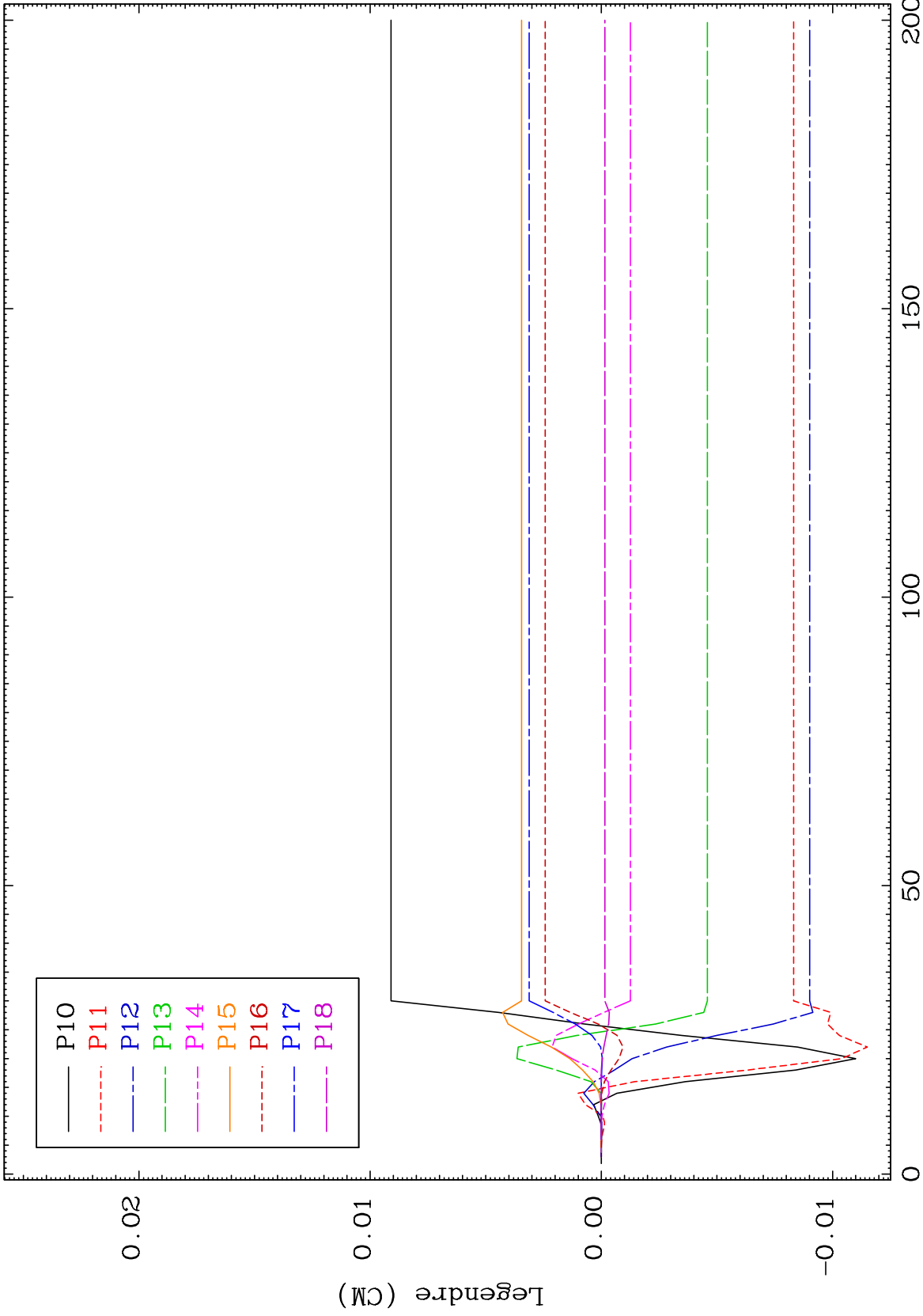
Incident Energy (MeV)

55

MAT 6683

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

67-Ho-151



56

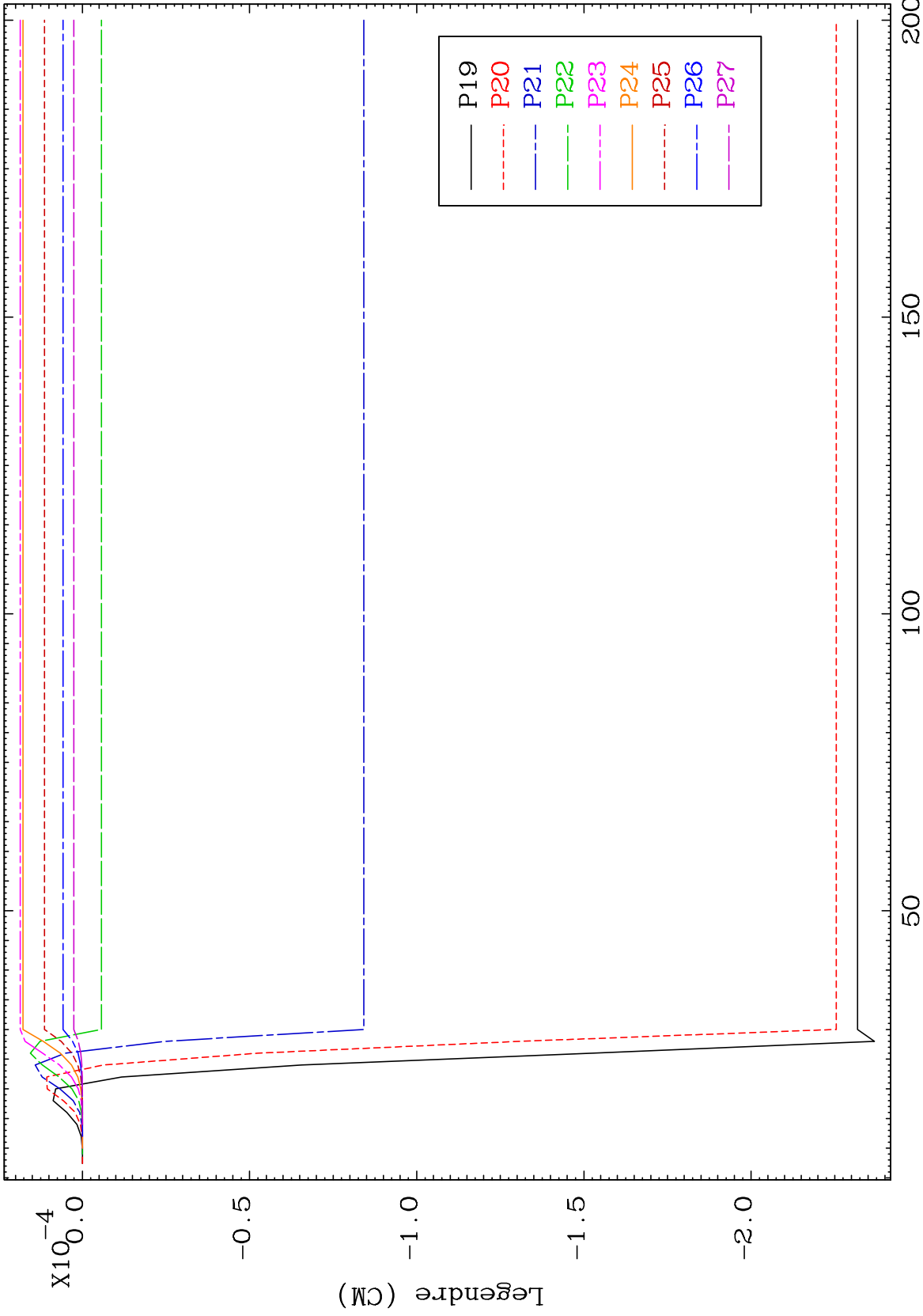
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151



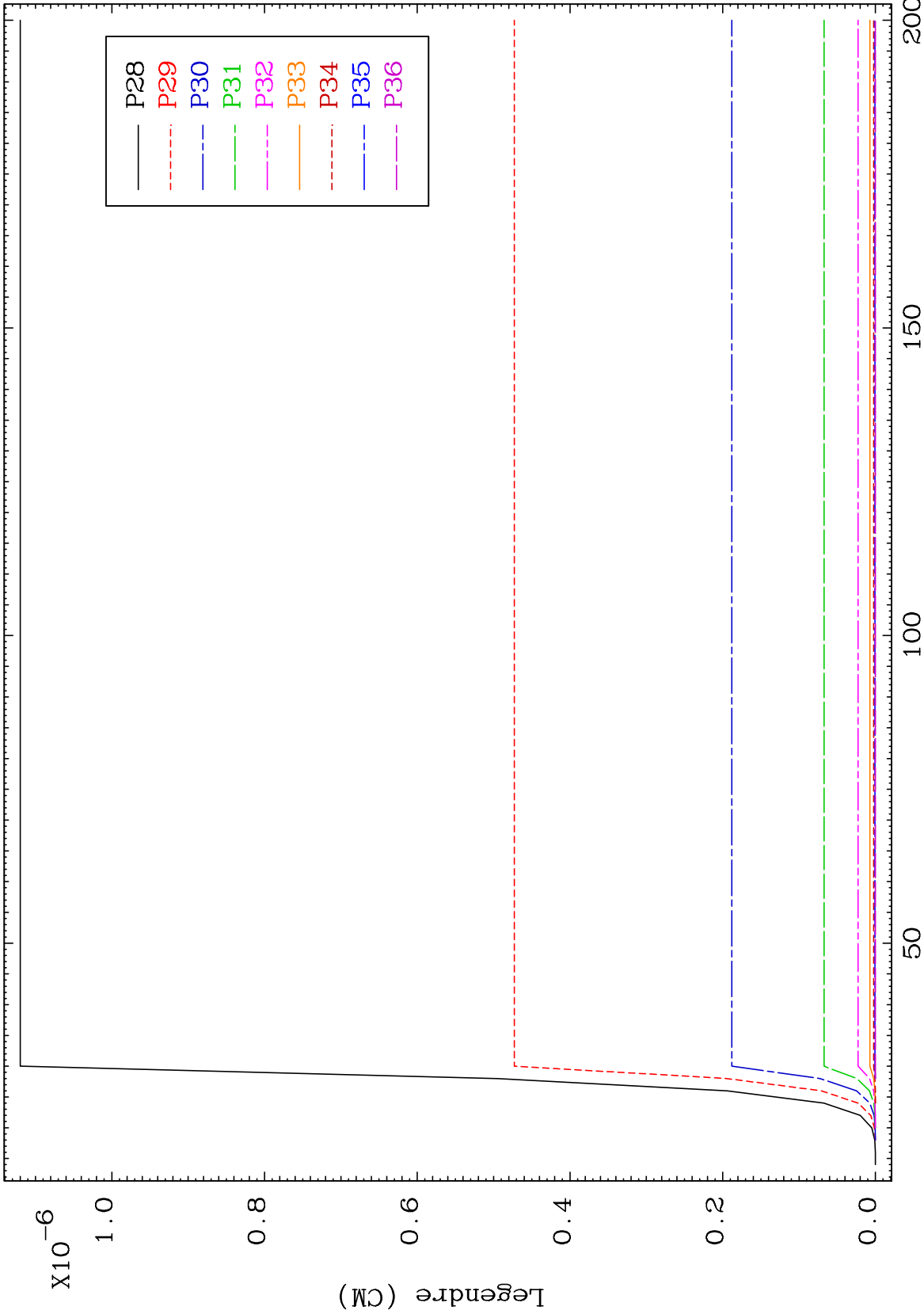
57

67-Ho-151

MAT 6683

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

67-Ho-151



58

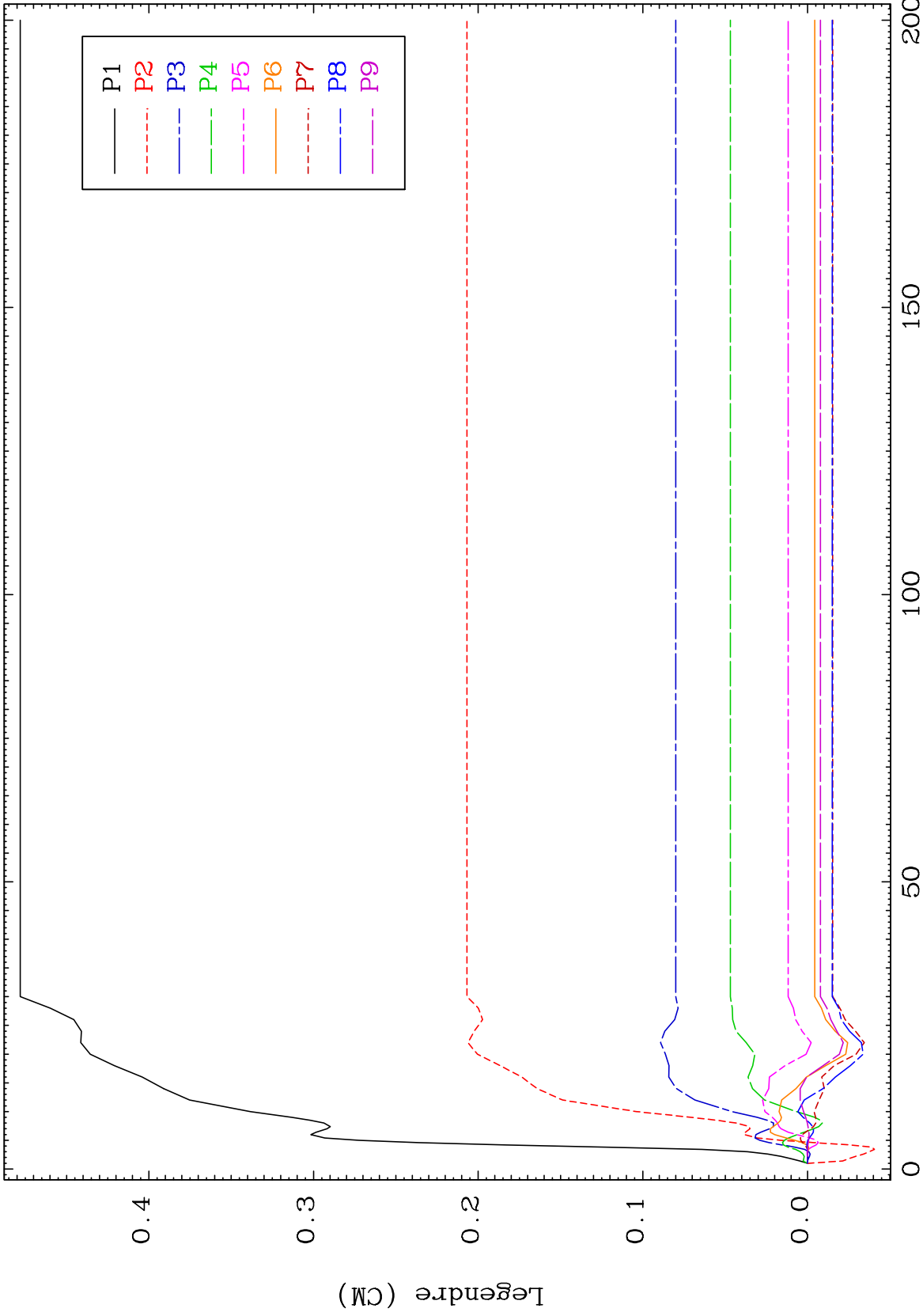
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151



59

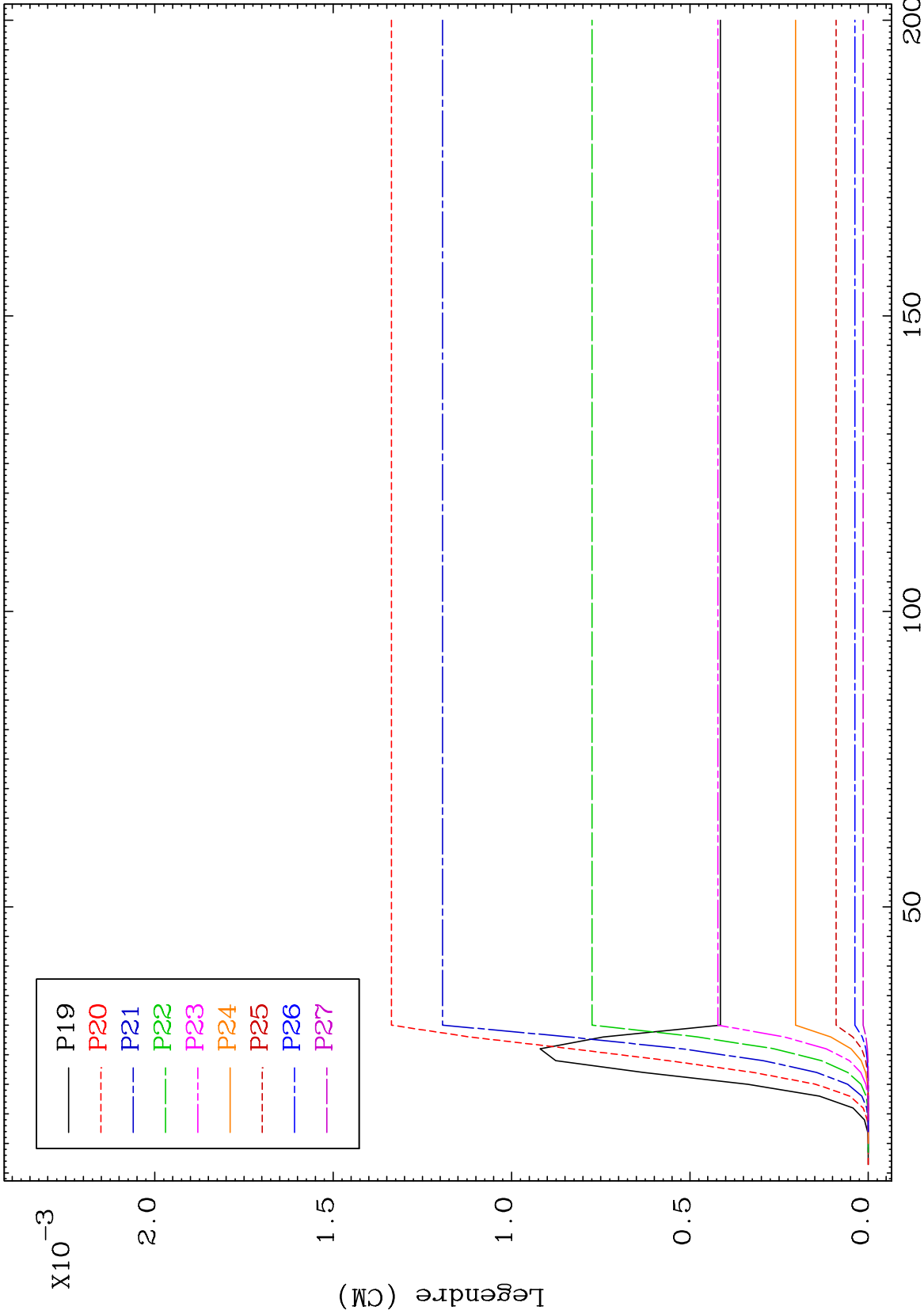
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151



61

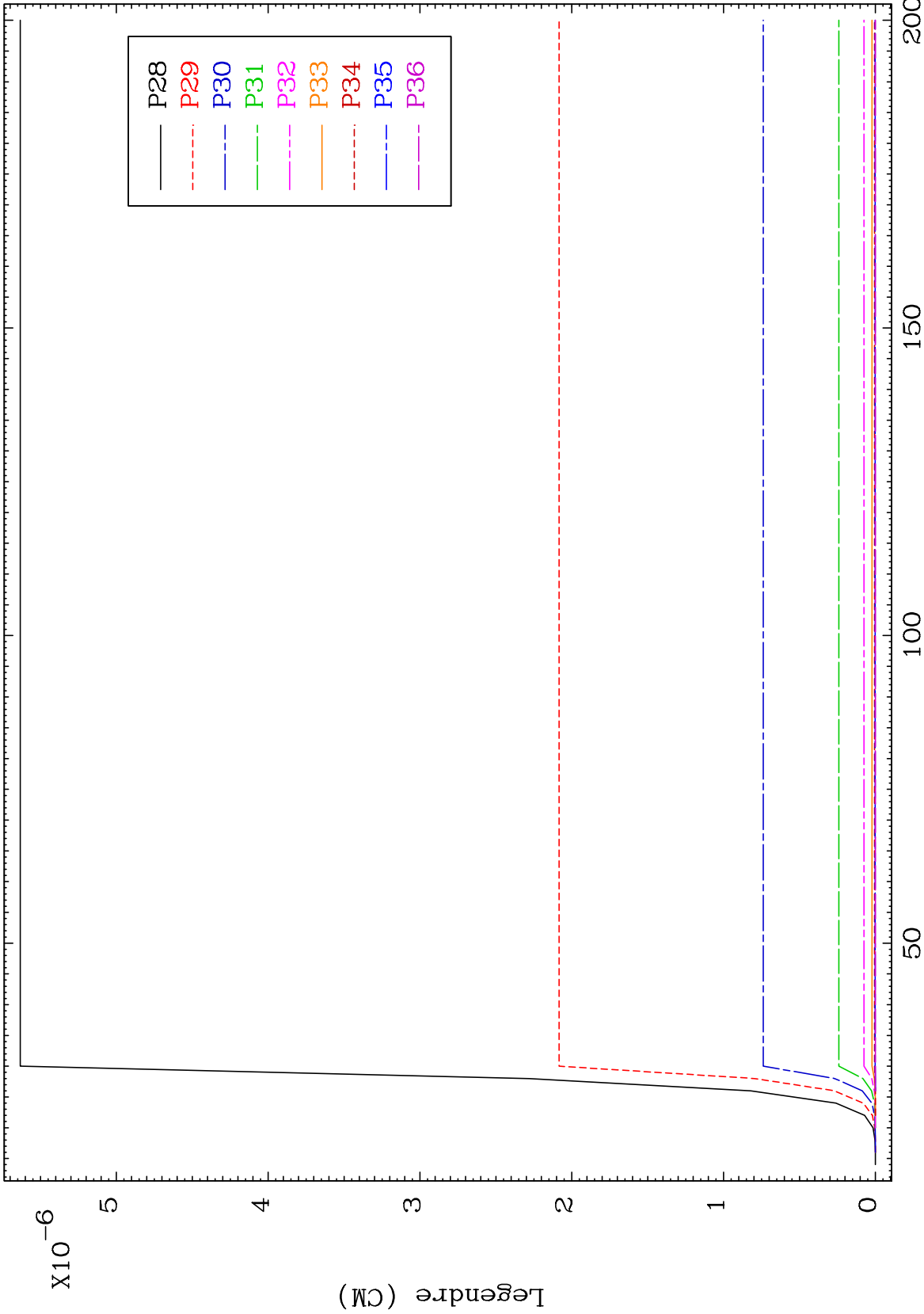
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151



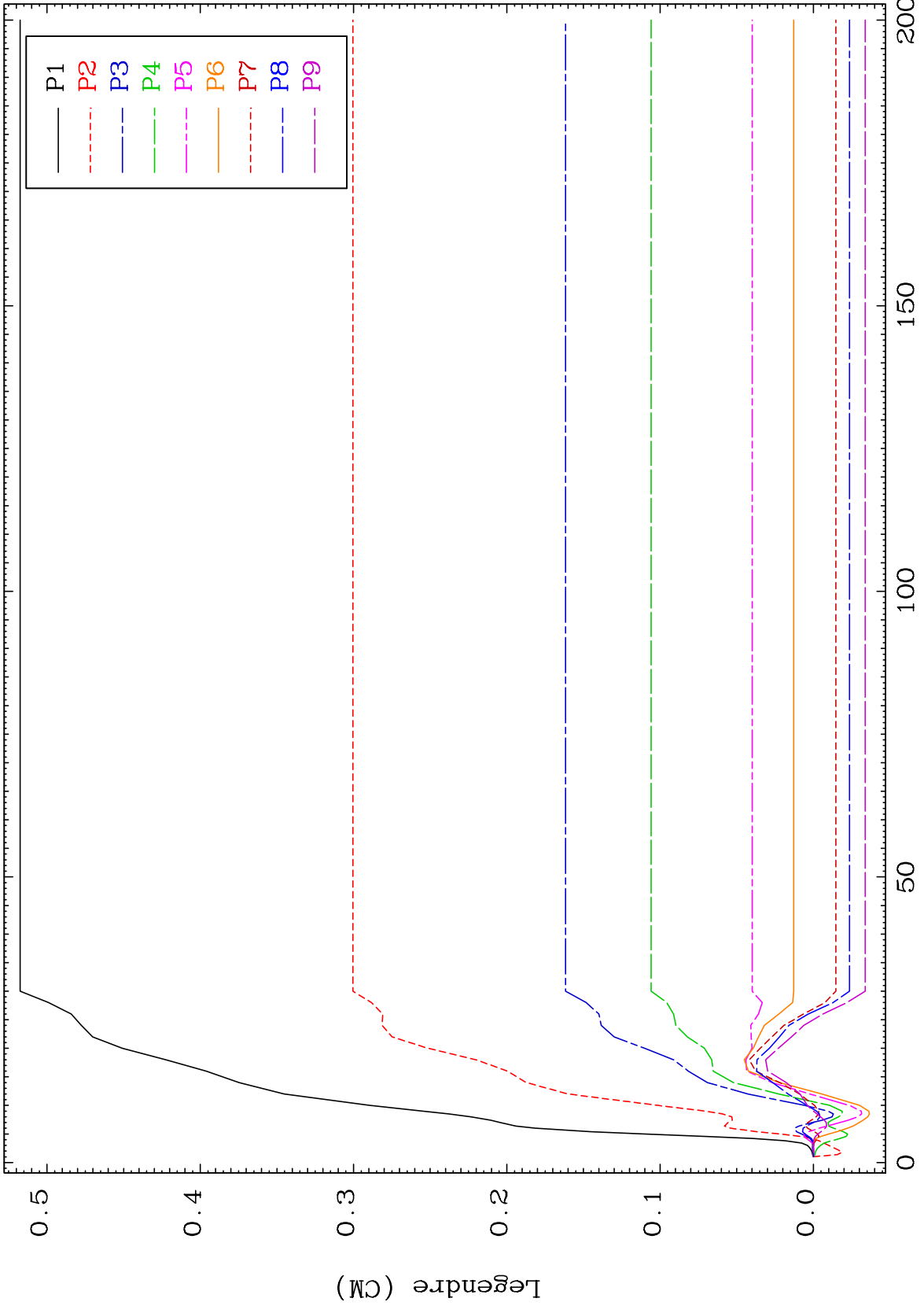
62

67-Ho-151

MAT 6683

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

67-Ho-151



63

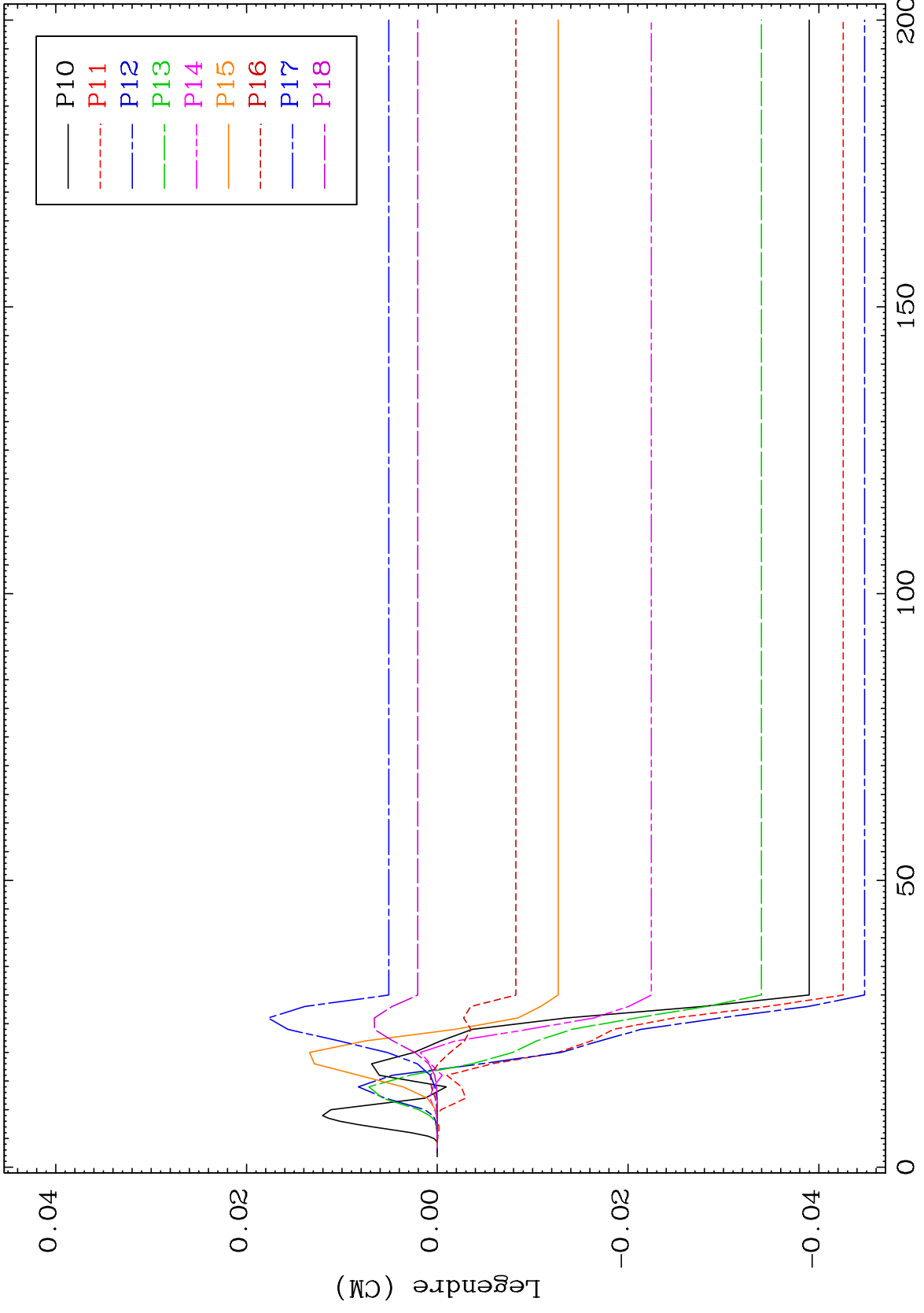
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151



64

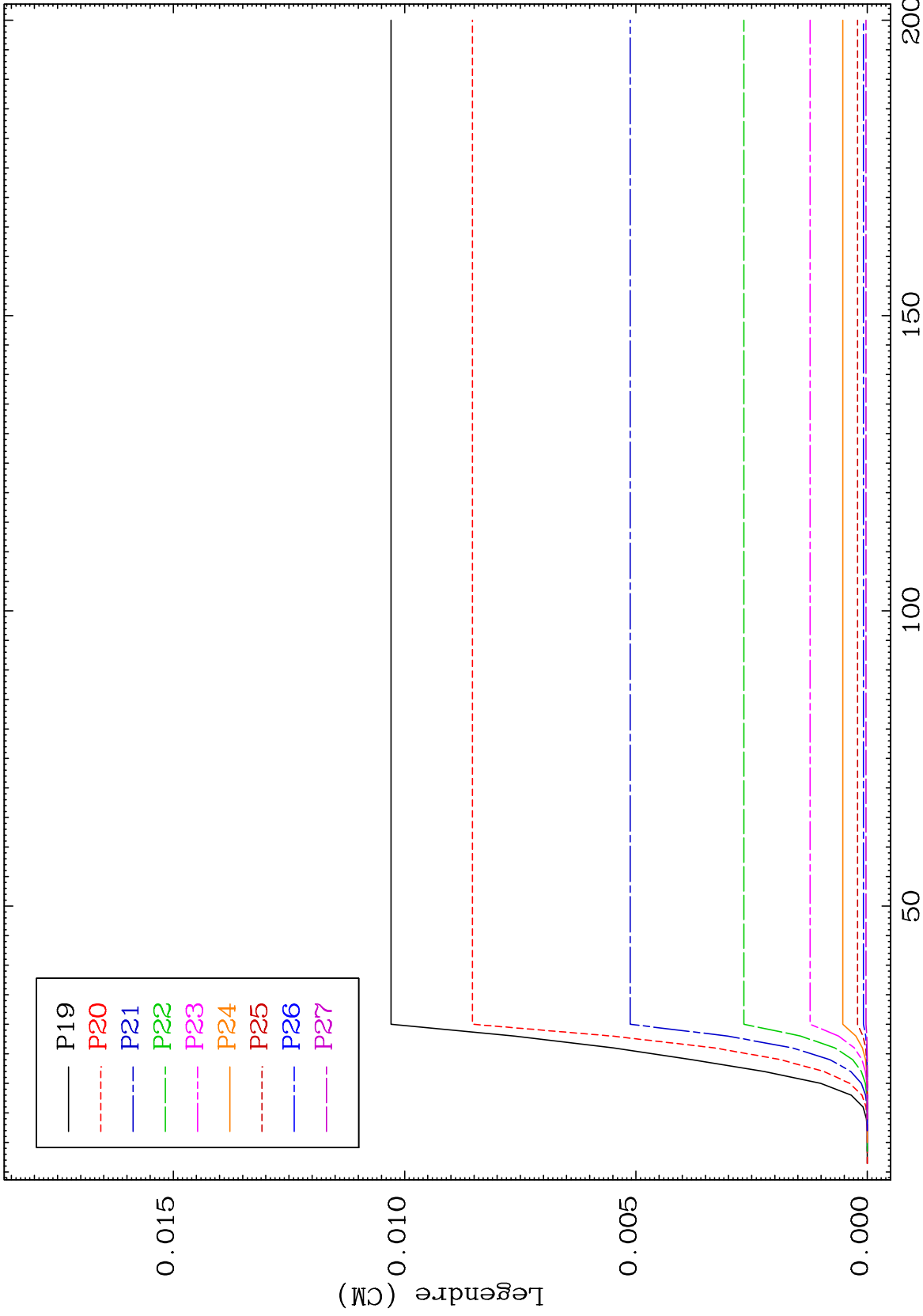
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151



65

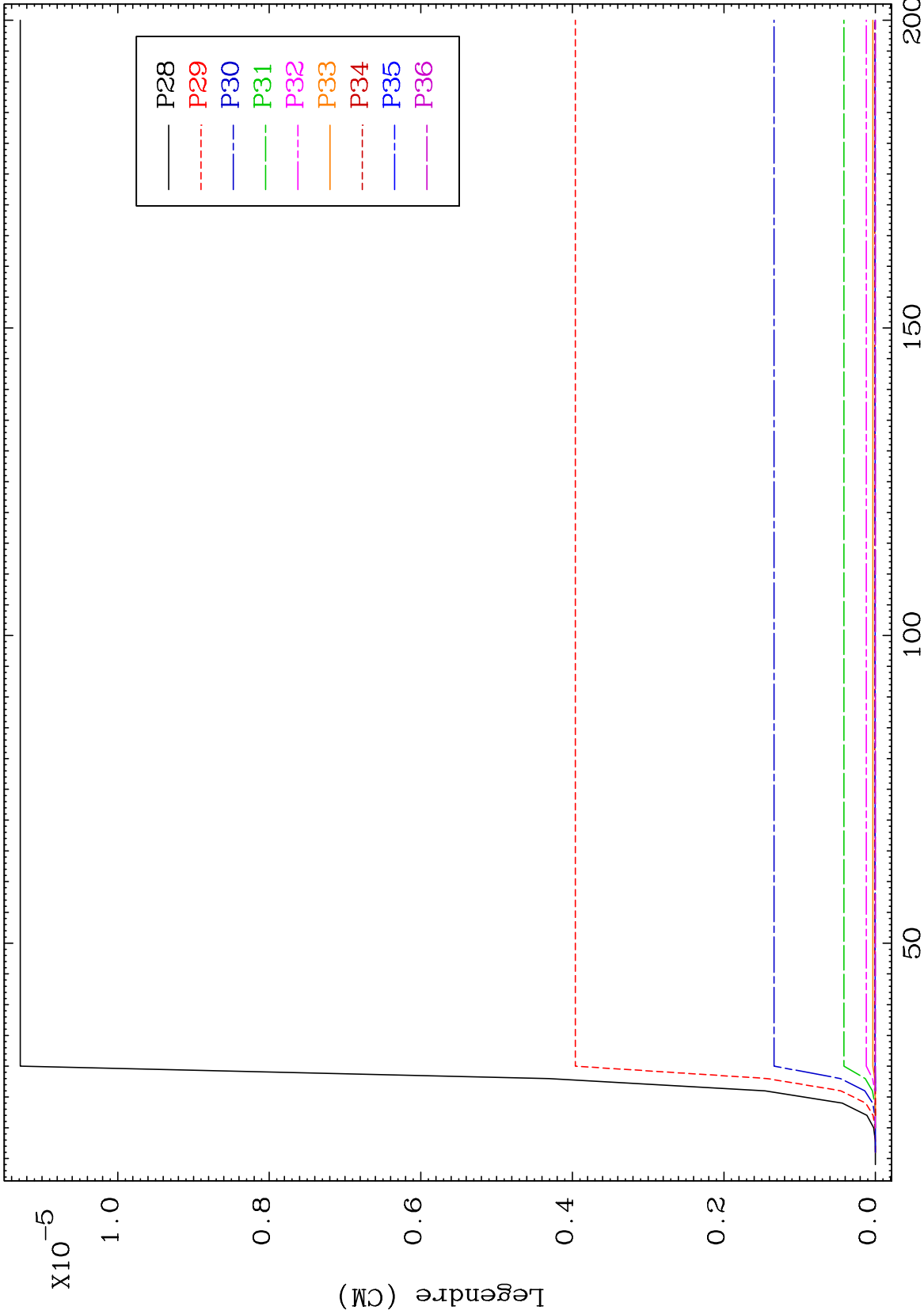
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151



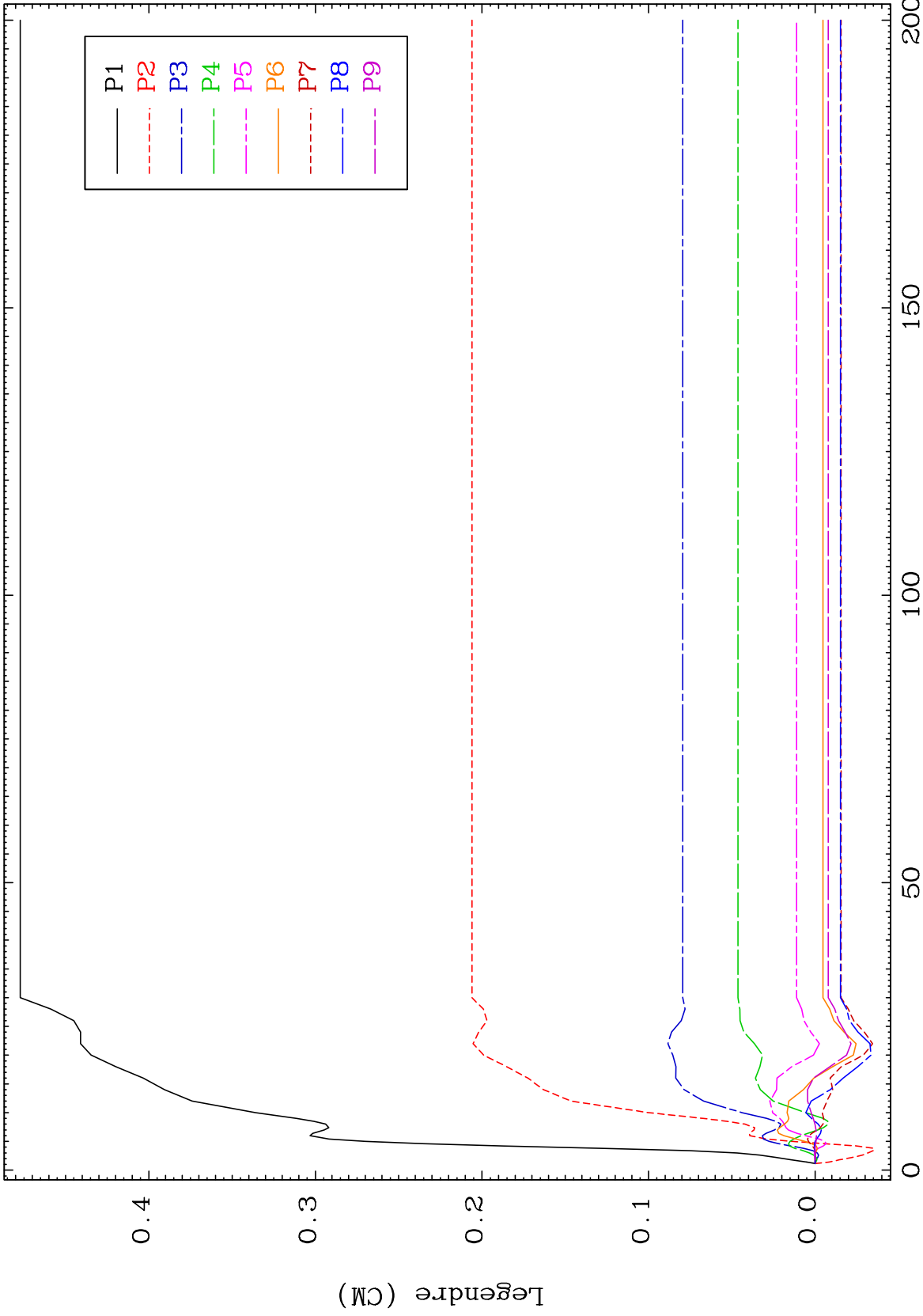
66

67-Ho-151

MAT 6683

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

67-Ho-151

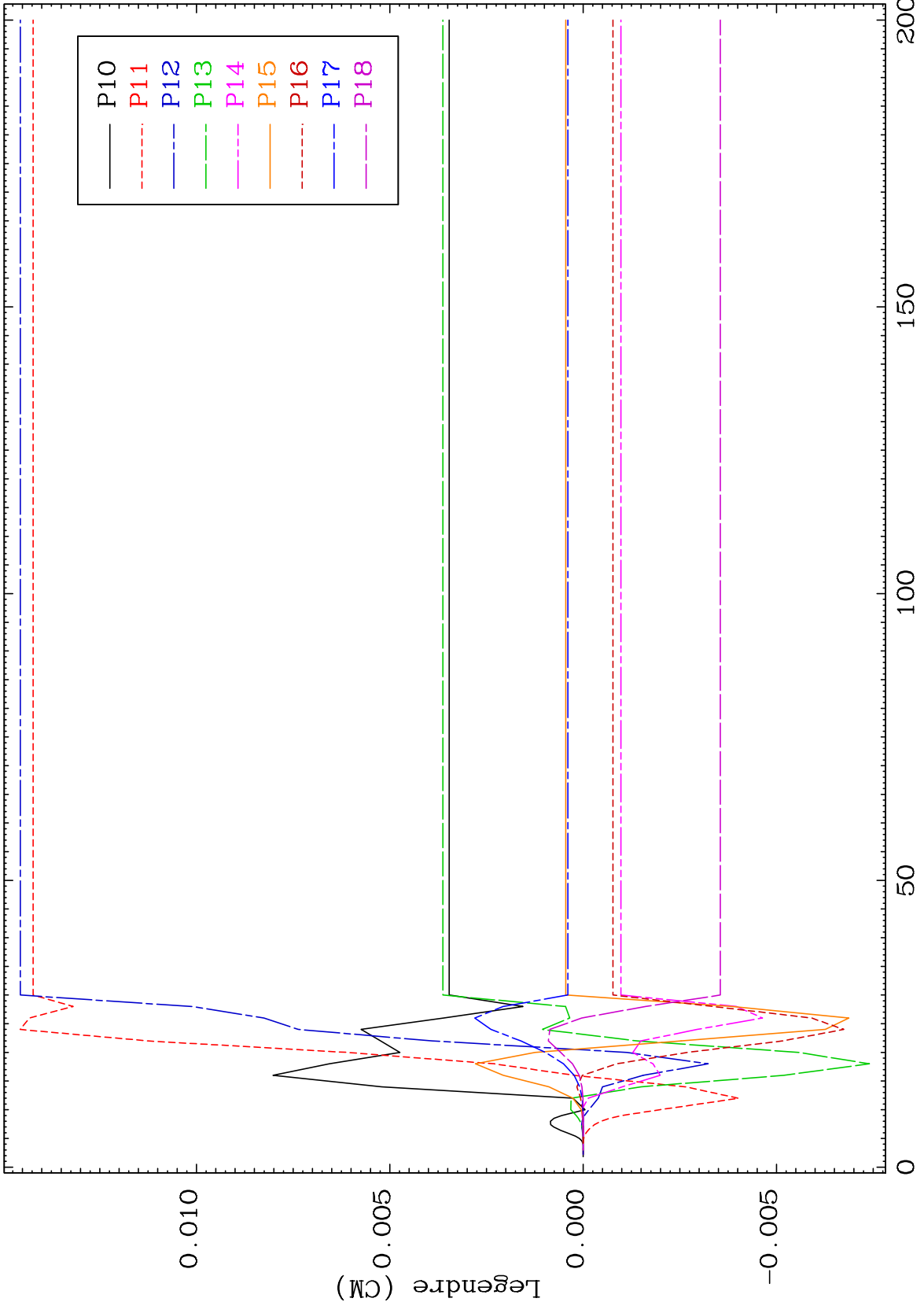


67

Incident Energy (MeV)

67-Ho-151

MAT 6683 MT= 63 (n,n') Level Legendre Coefficients 67-Ho-151

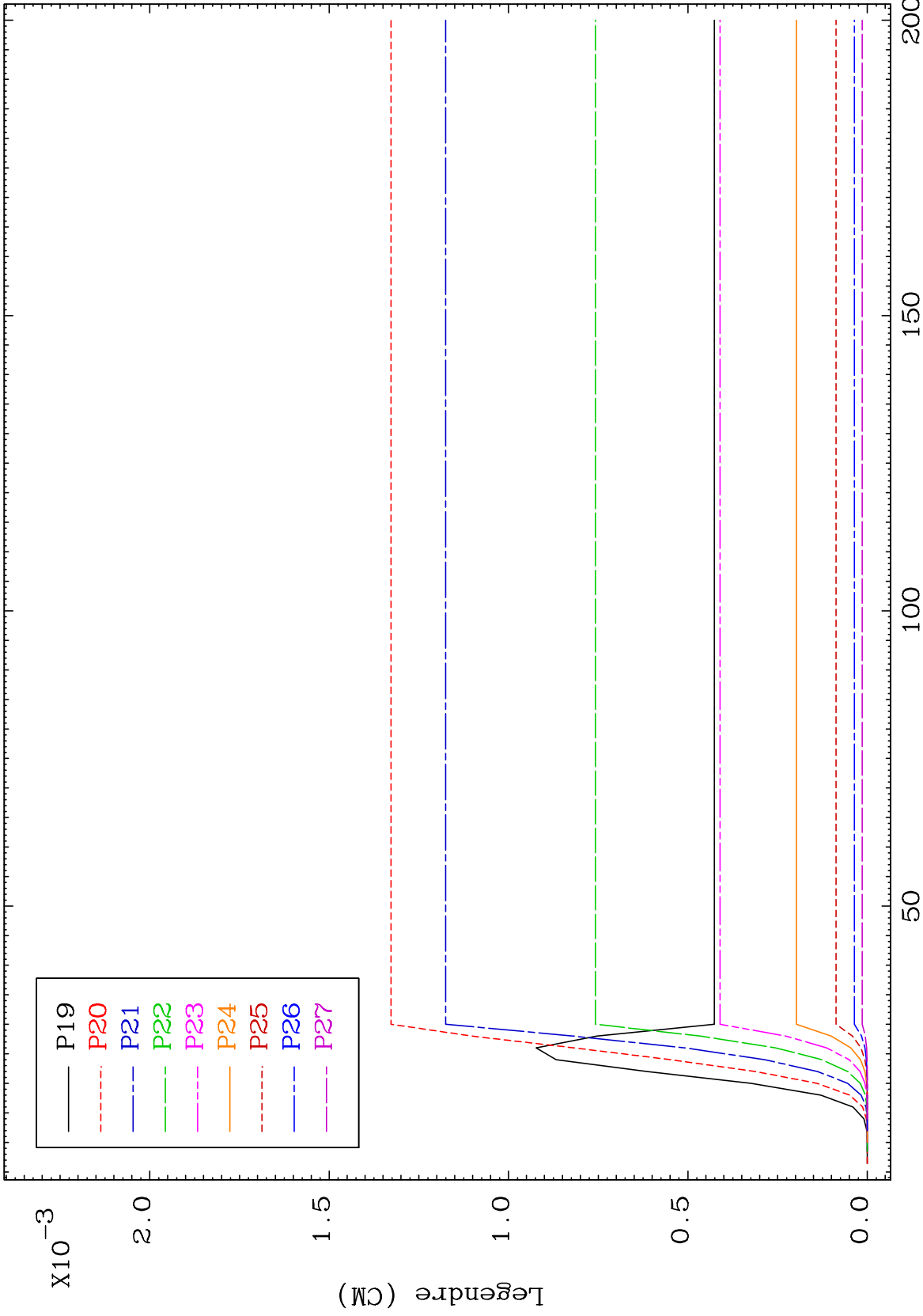


68 67-Ho-151

MAT 6683

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

67-Ho-151



69

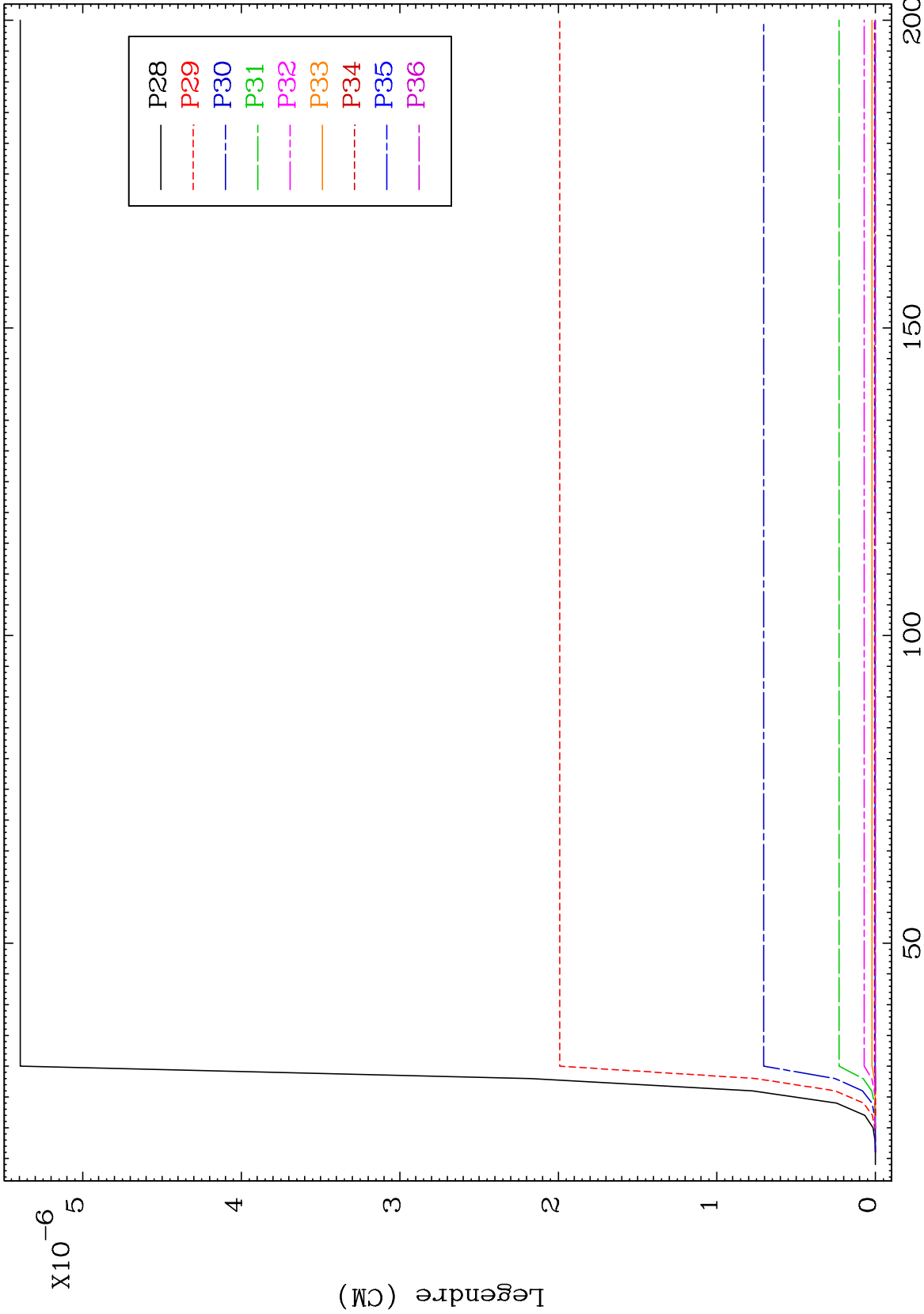
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151



70

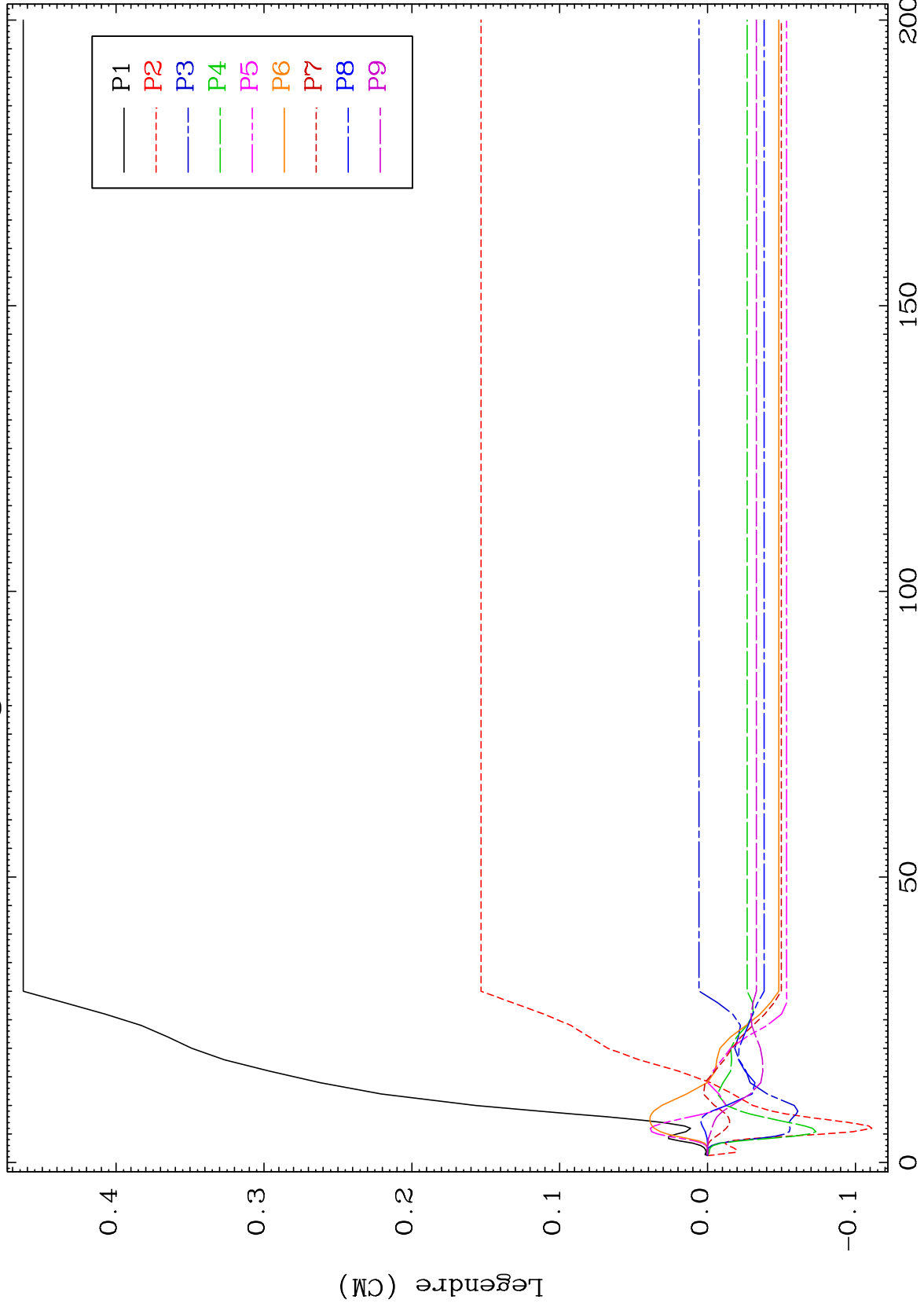
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151



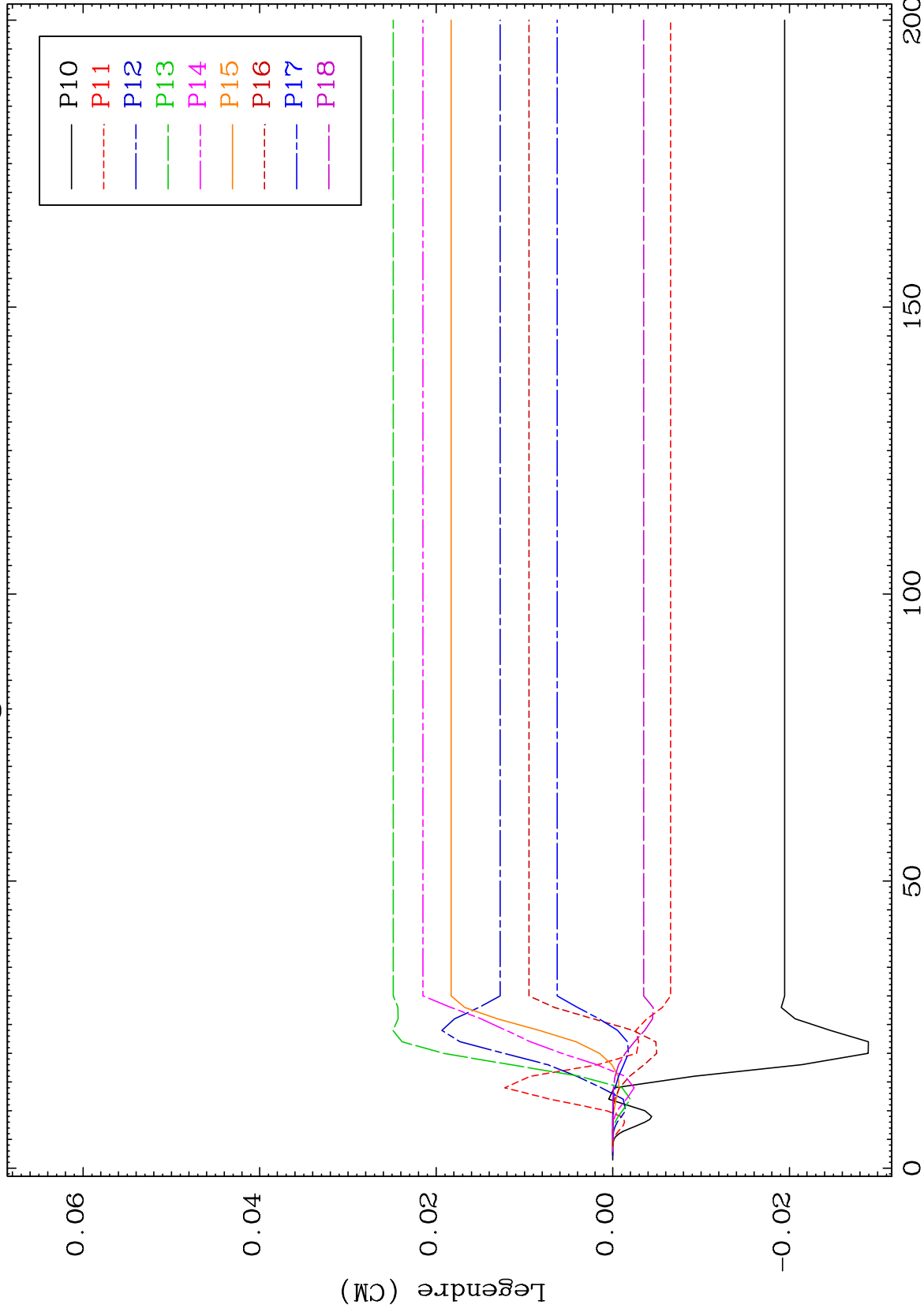
71

67-Ho-151

MAT 6683

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

67-Ho-151



72

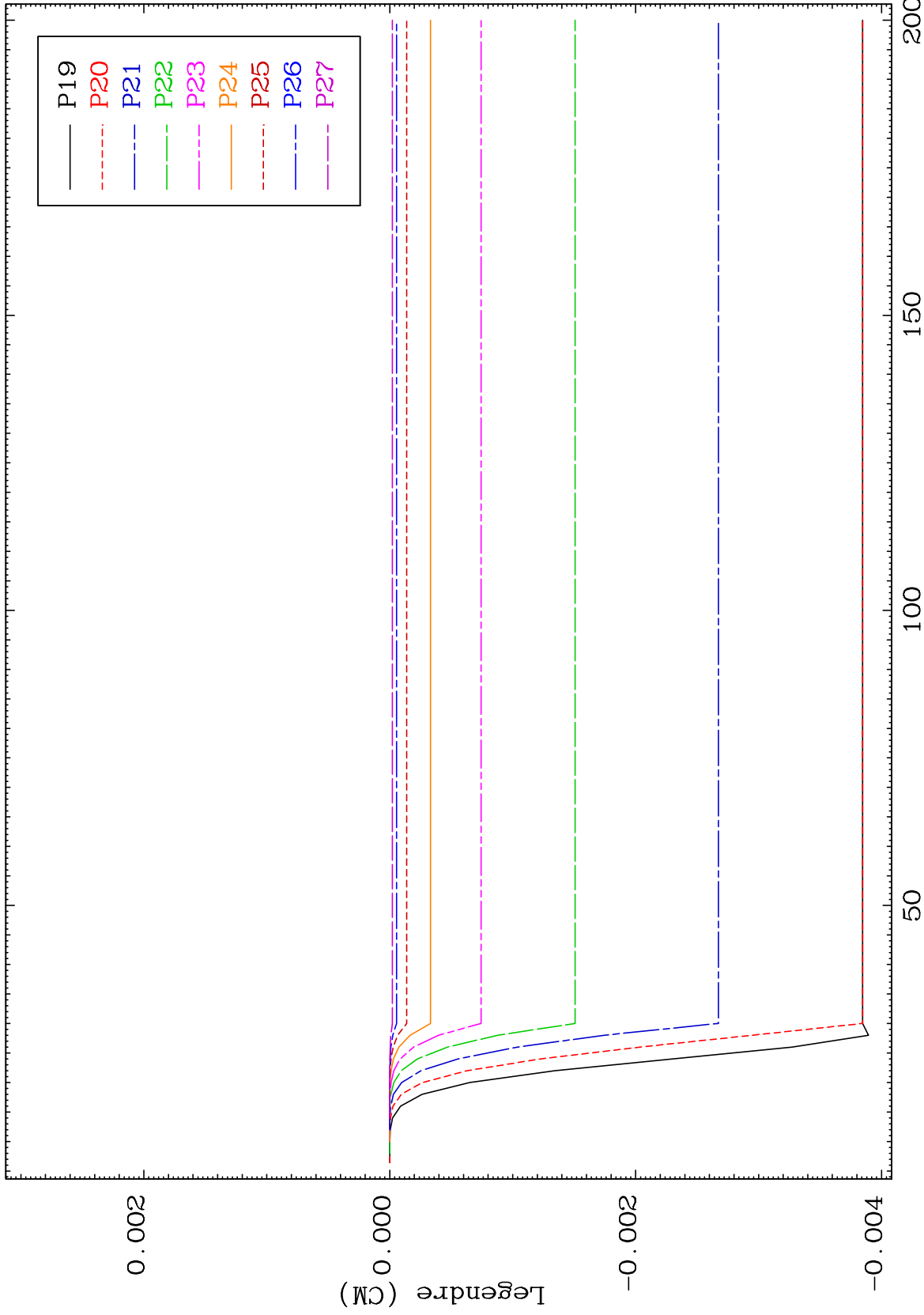
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151



73

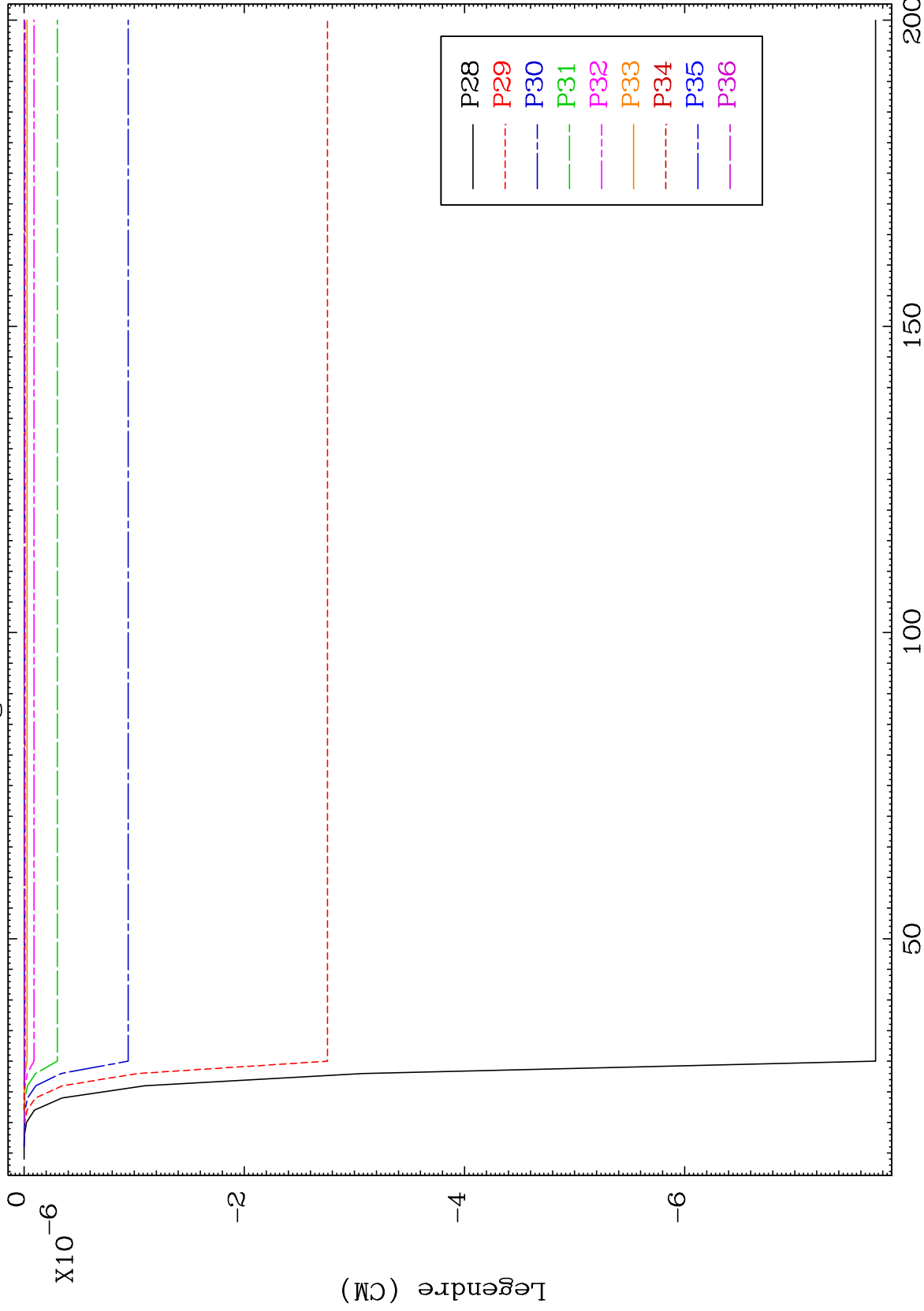
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151



67-Ho-151

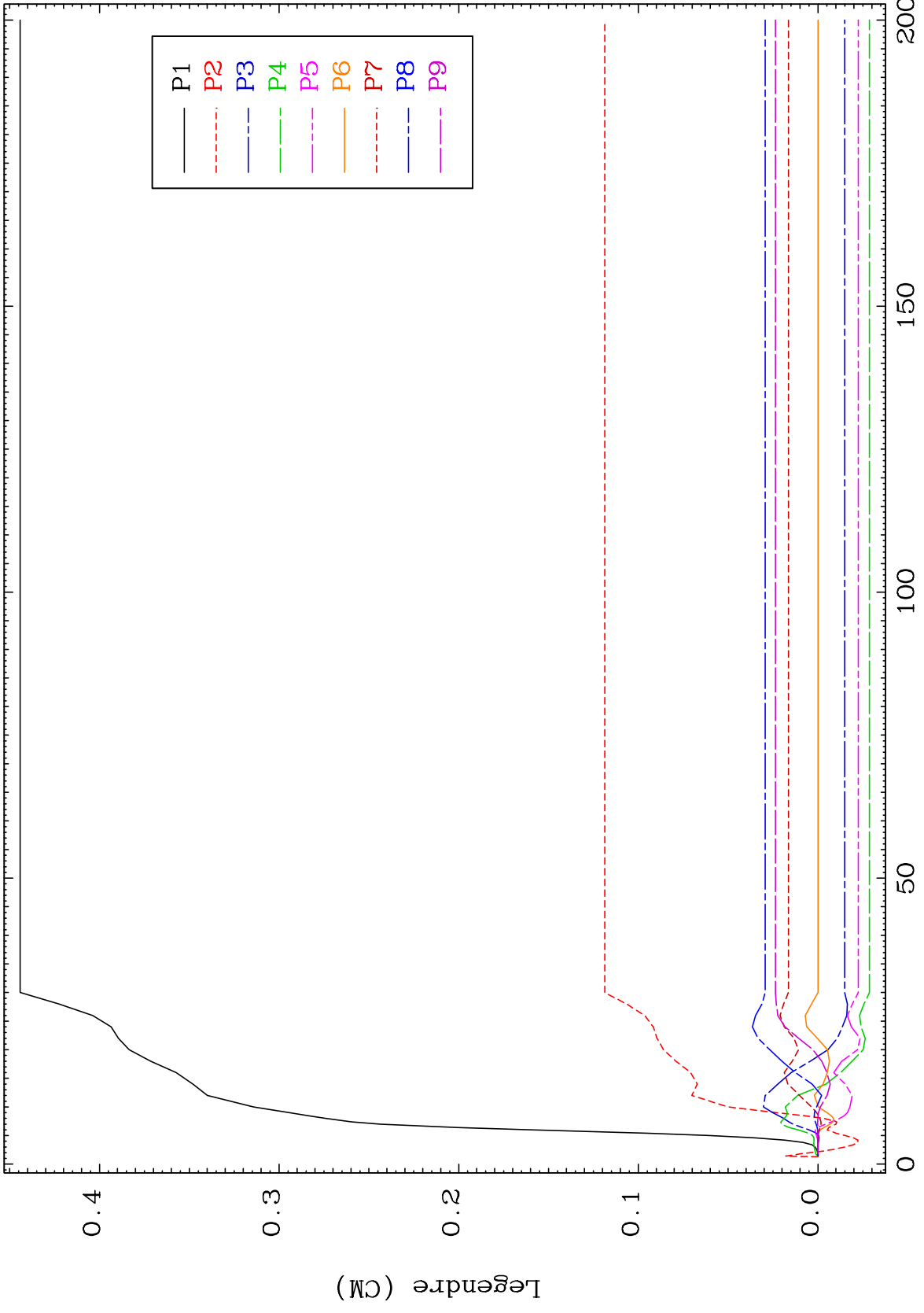
Incident Energy (MeV)

74

MAT 6683

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

67-Ho-151



75

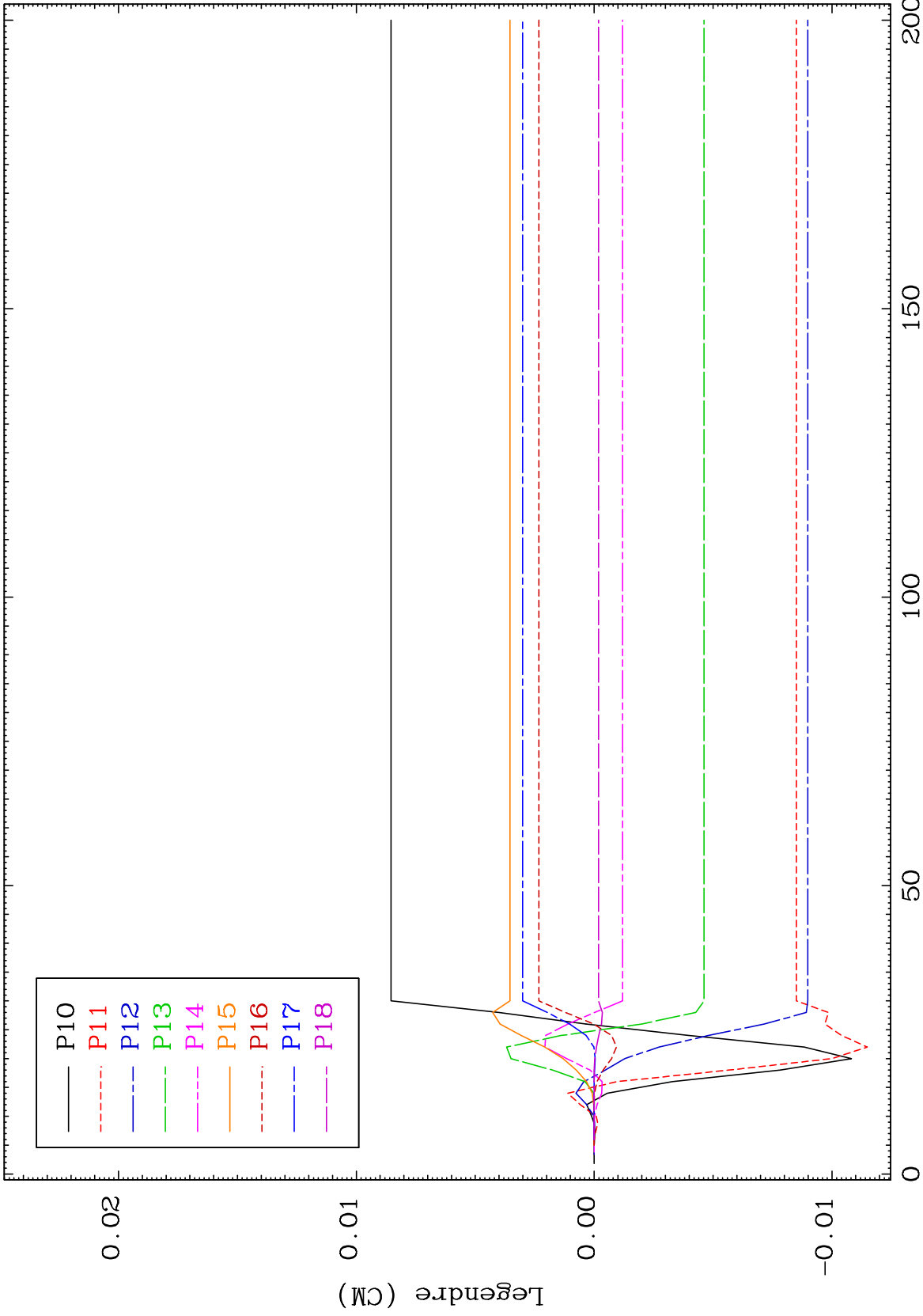
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151



76

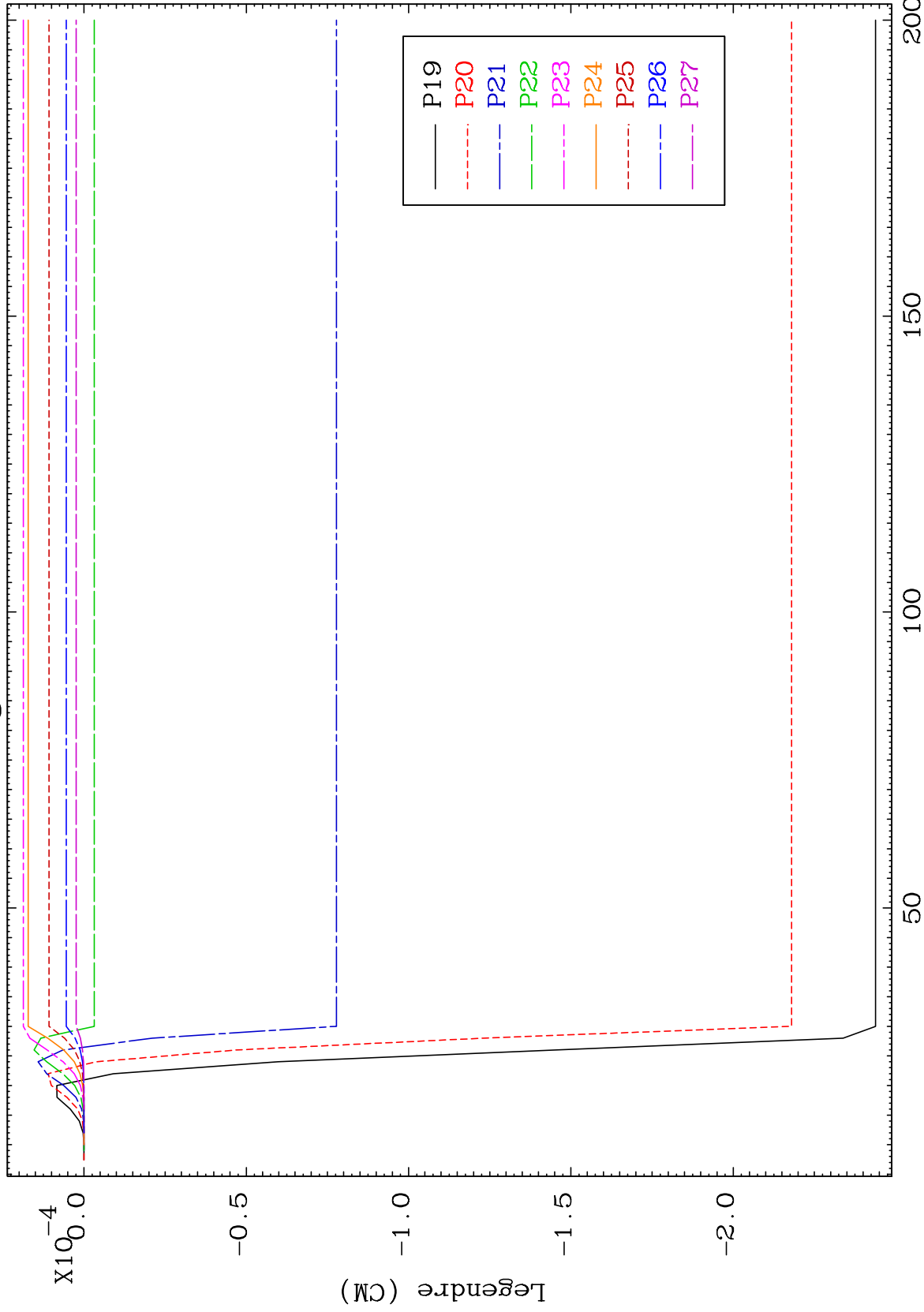
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151



67-Ho-151

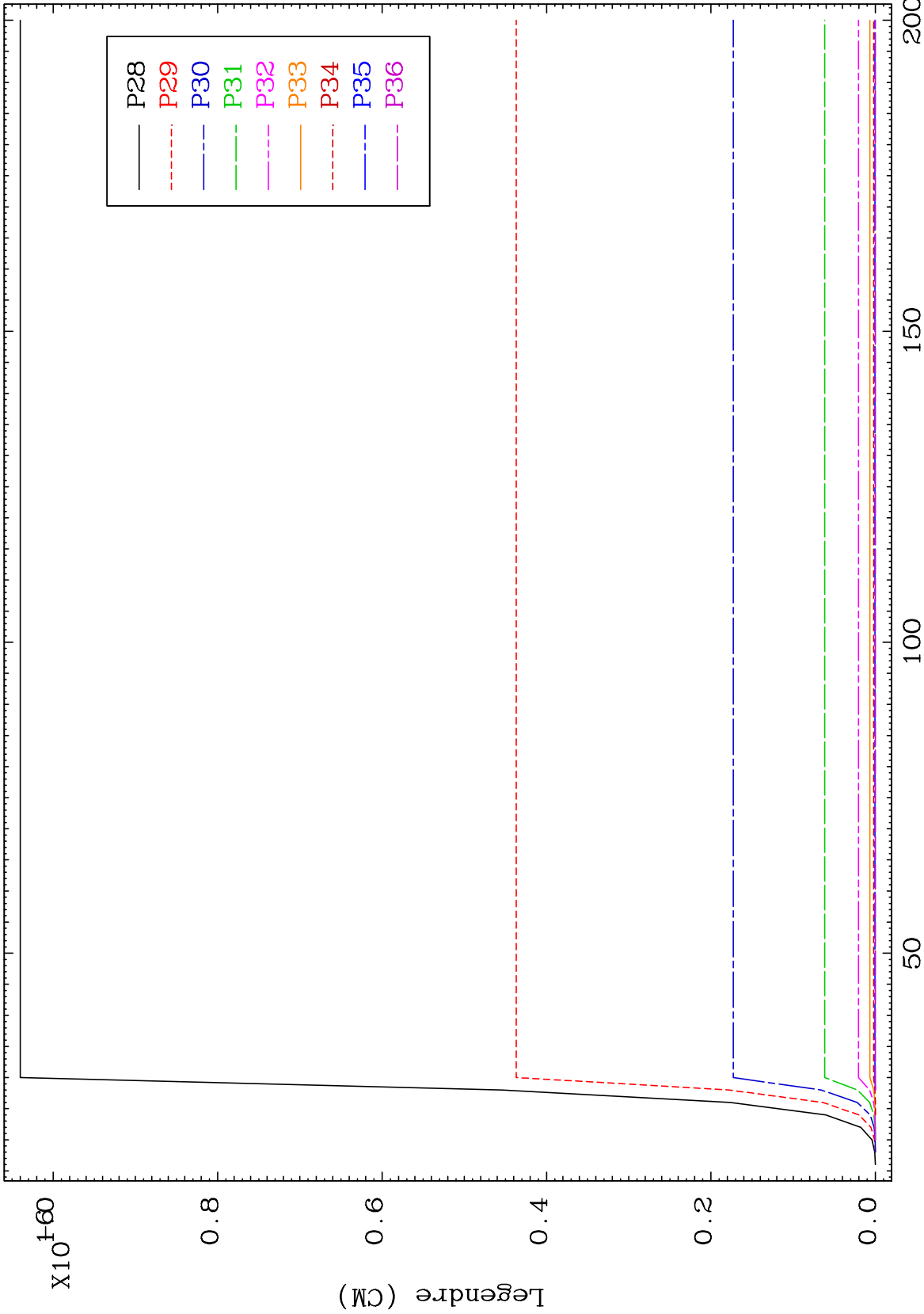
Incident Energy (MeV)

77

MAT 6683

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

67-Ho-151



78

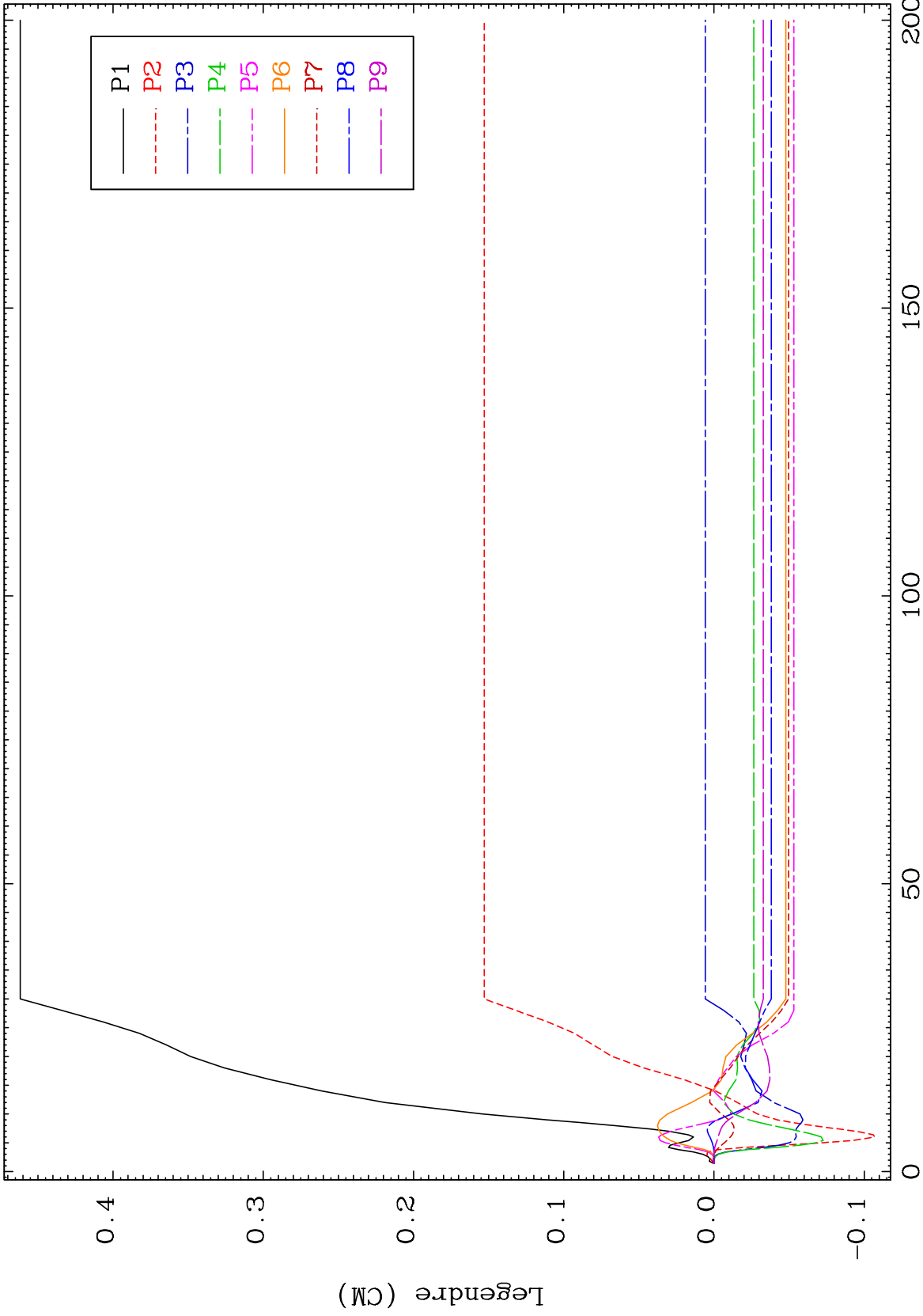
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151



79

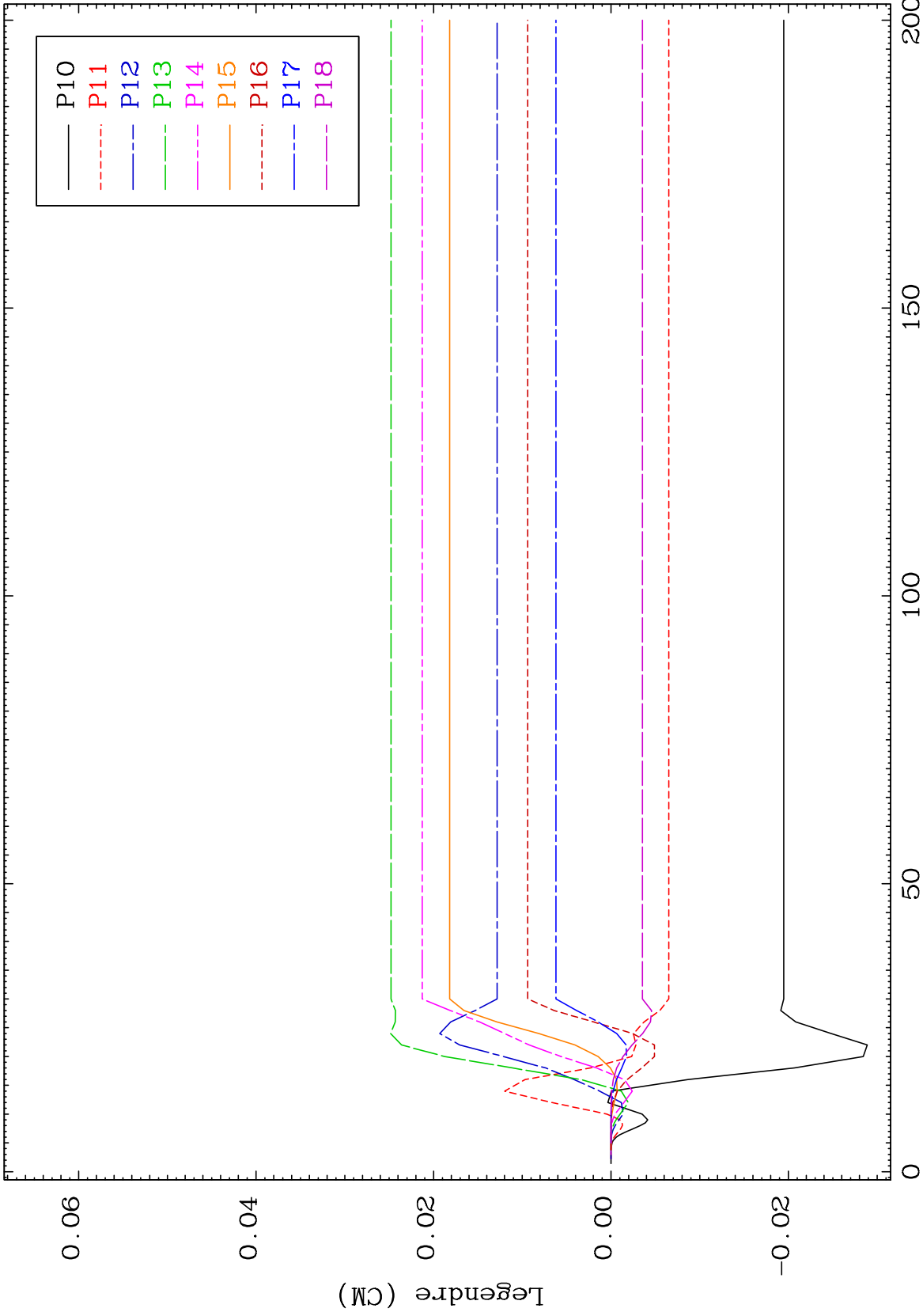
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151



80

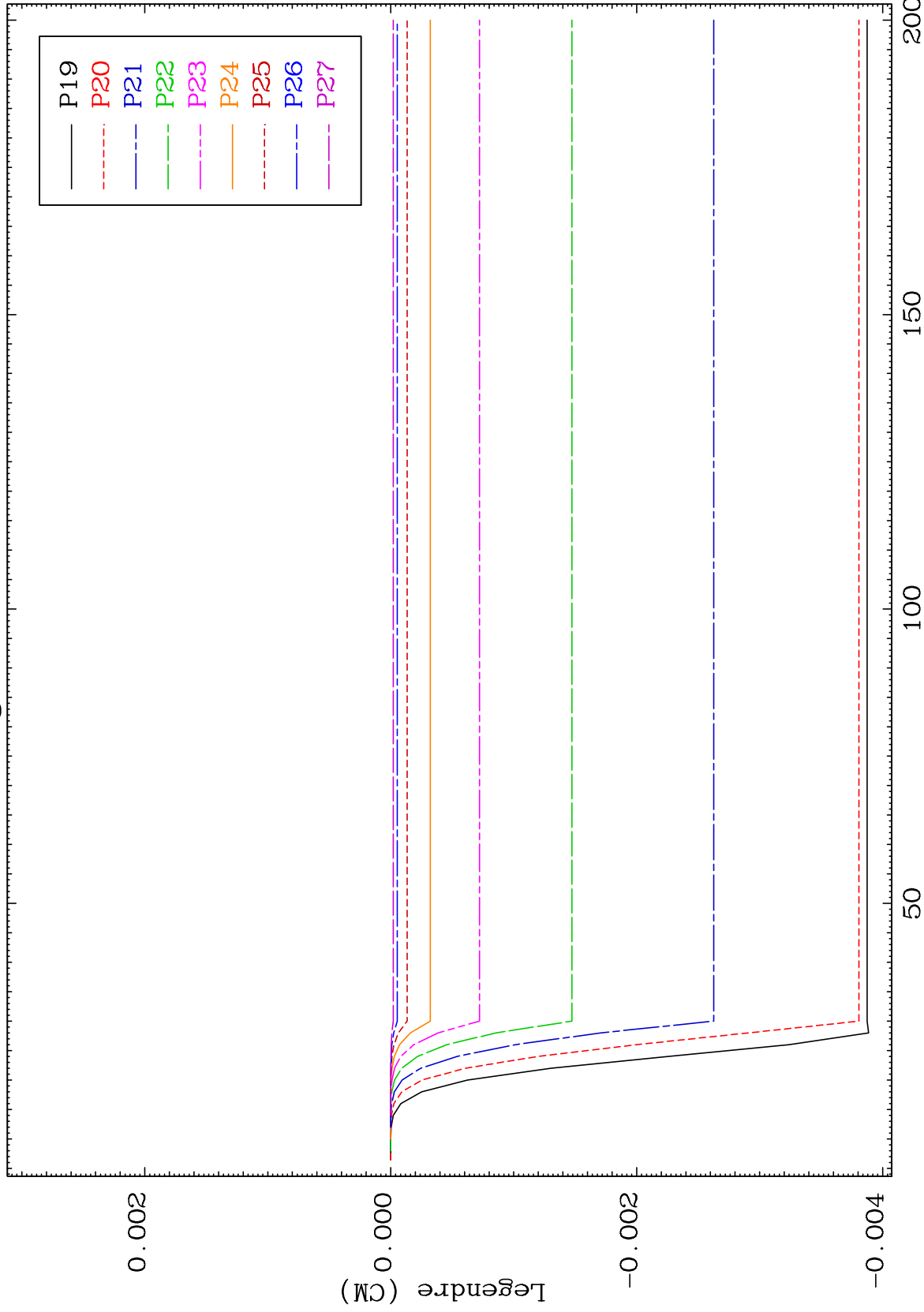
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151



81

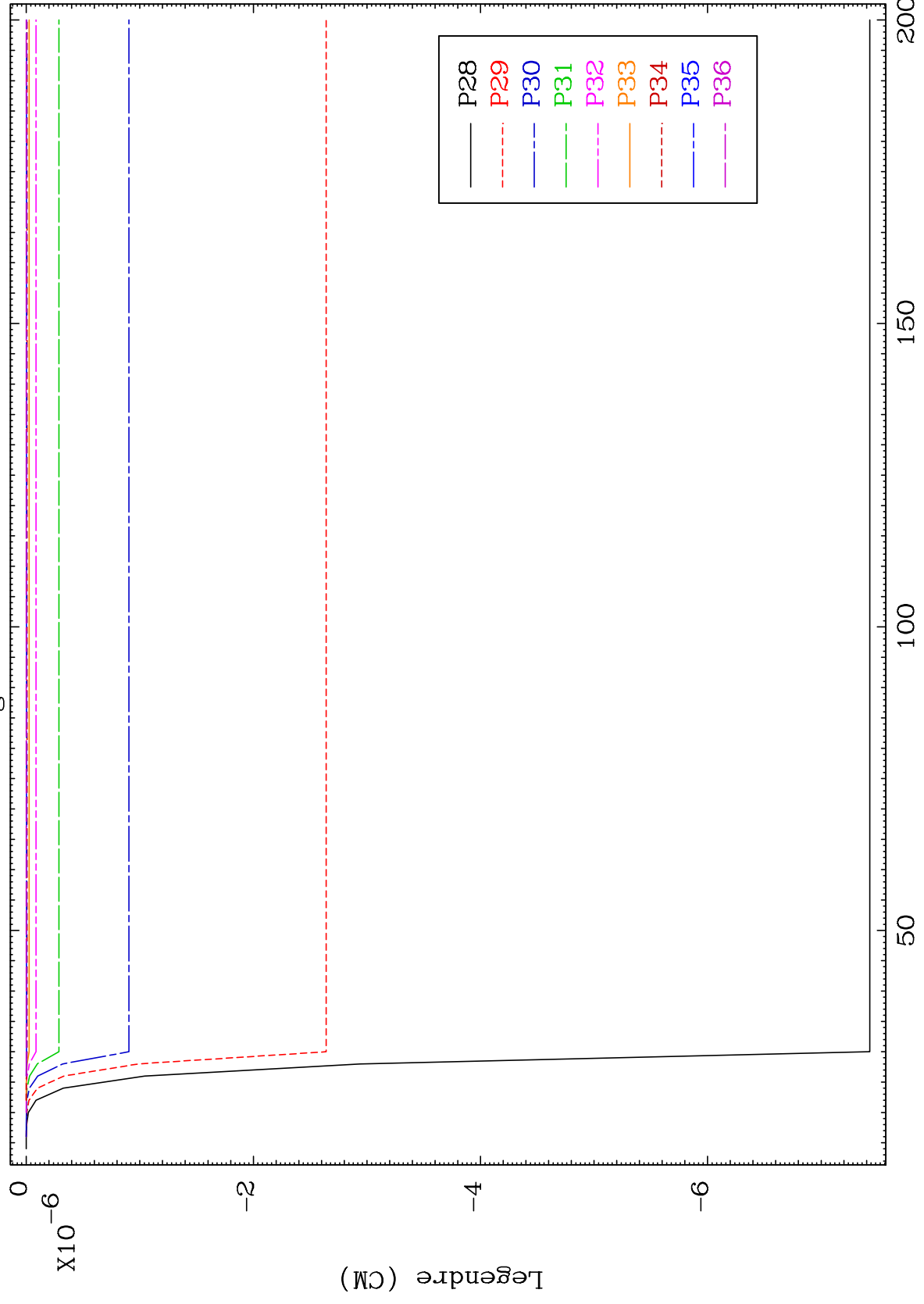
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151



67-Ho-151

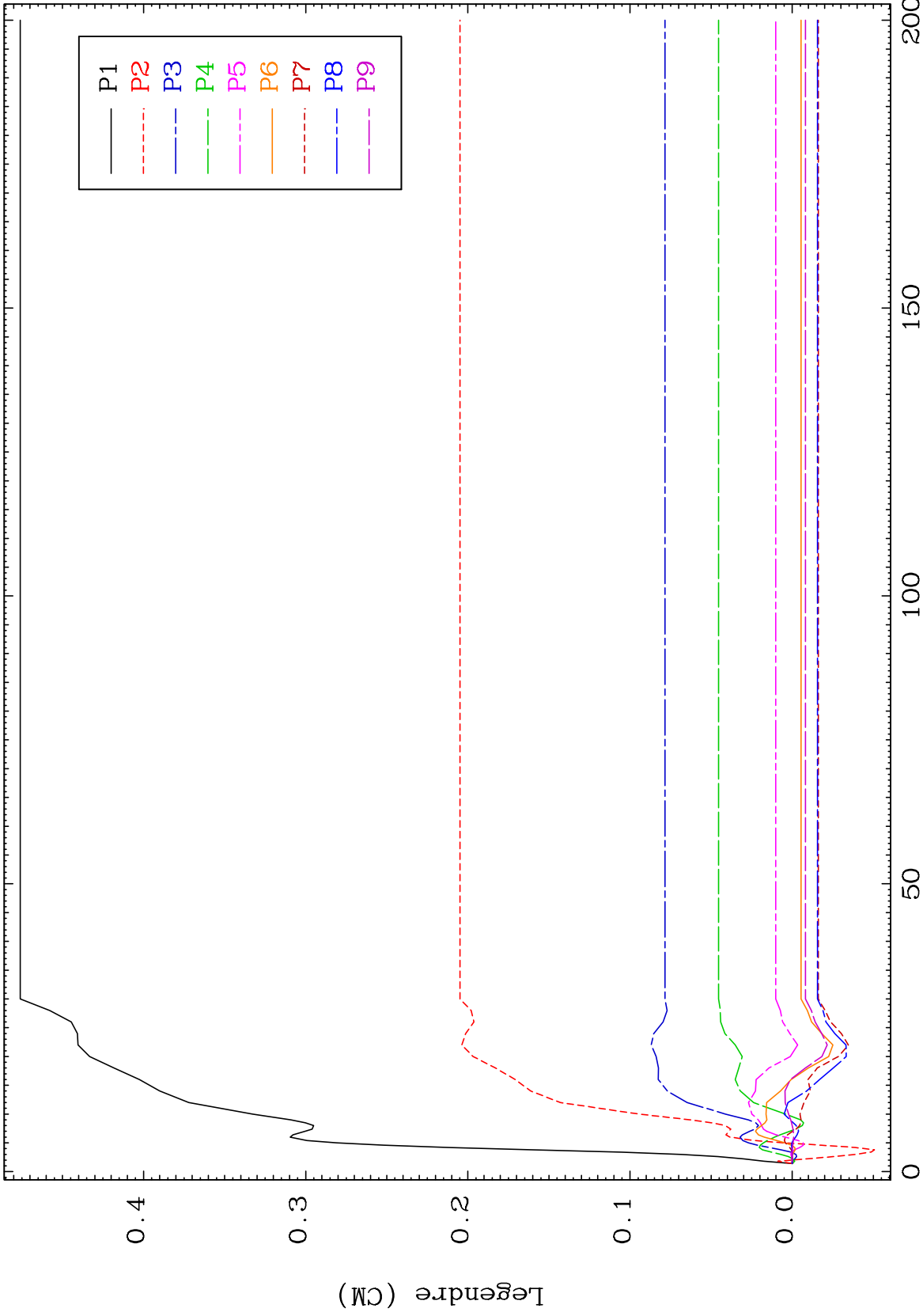
Incident Energy (MeV)

82

MAT 6683

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

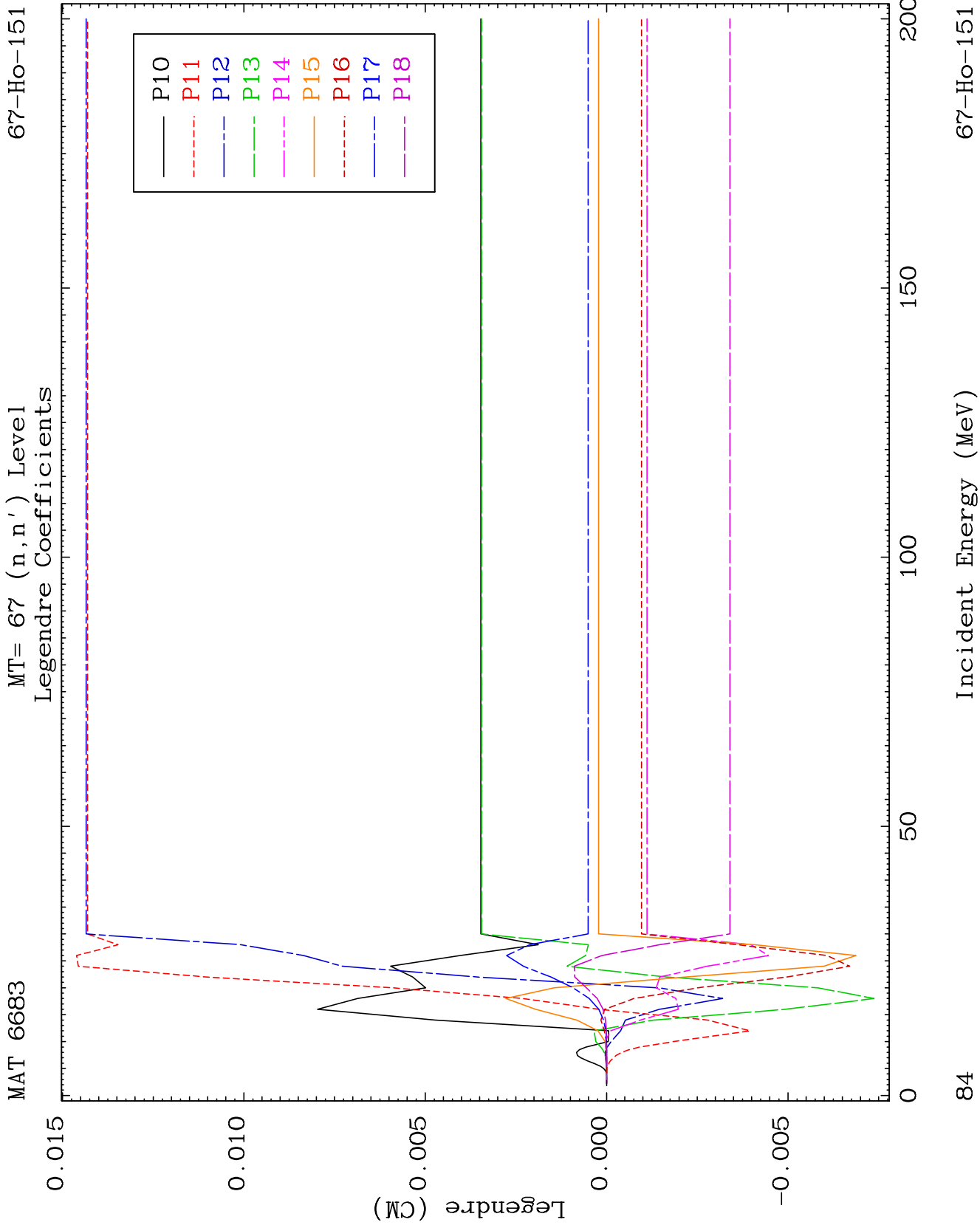
67-Ho-151



83

Incident Energy (MeV)

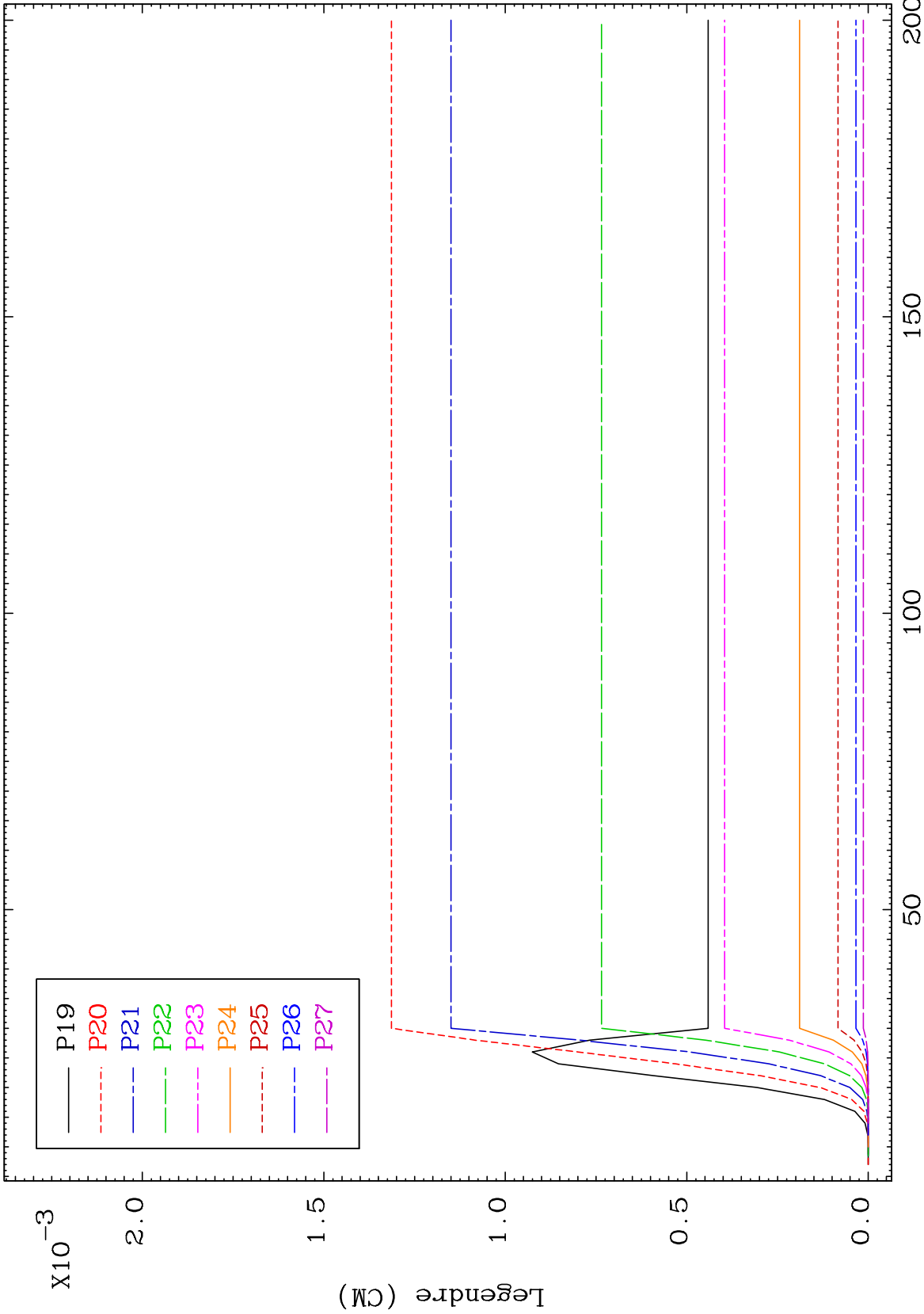
67-Ho-151



MAT 6683

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

67-Ho-151



85

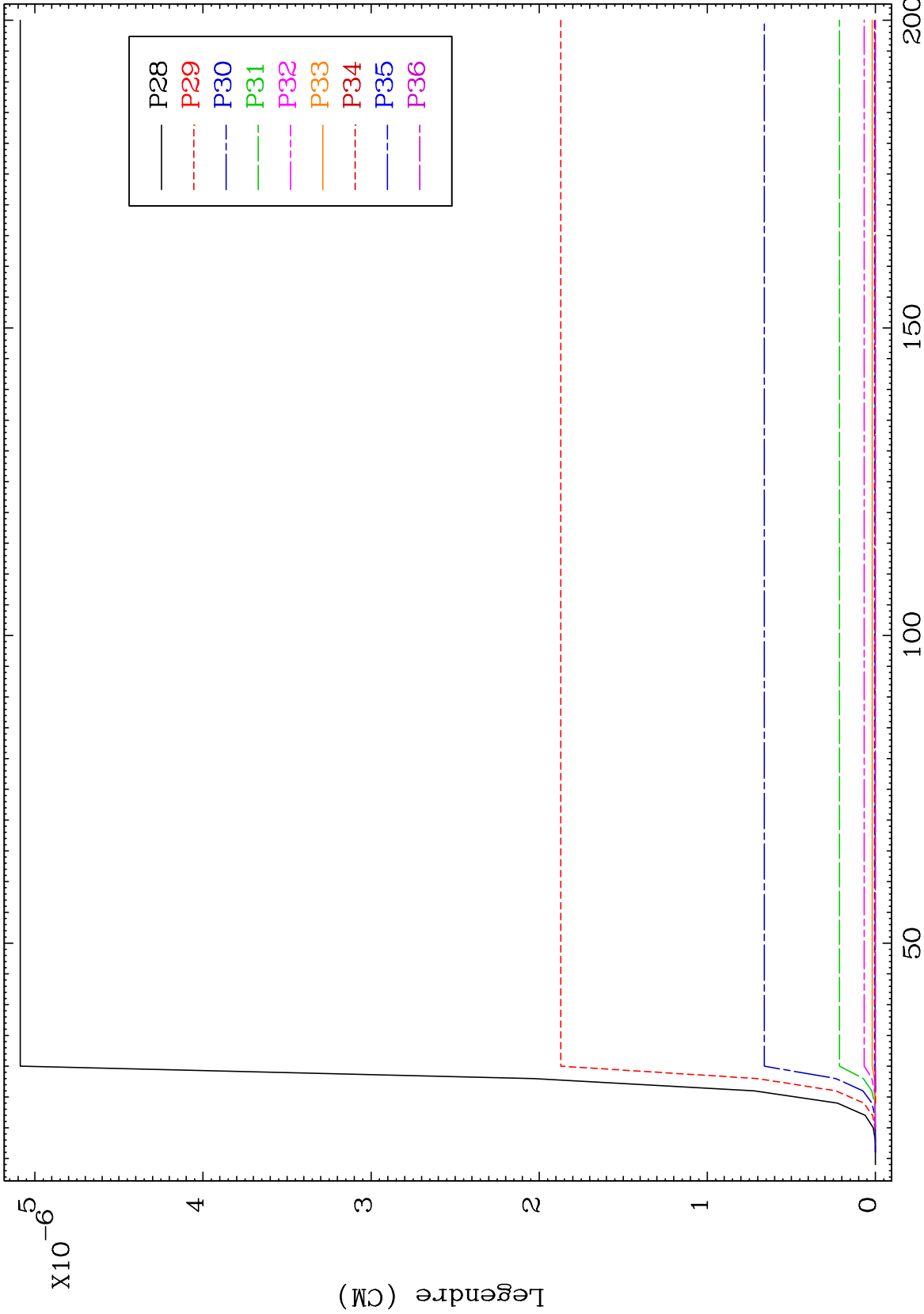
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151



86

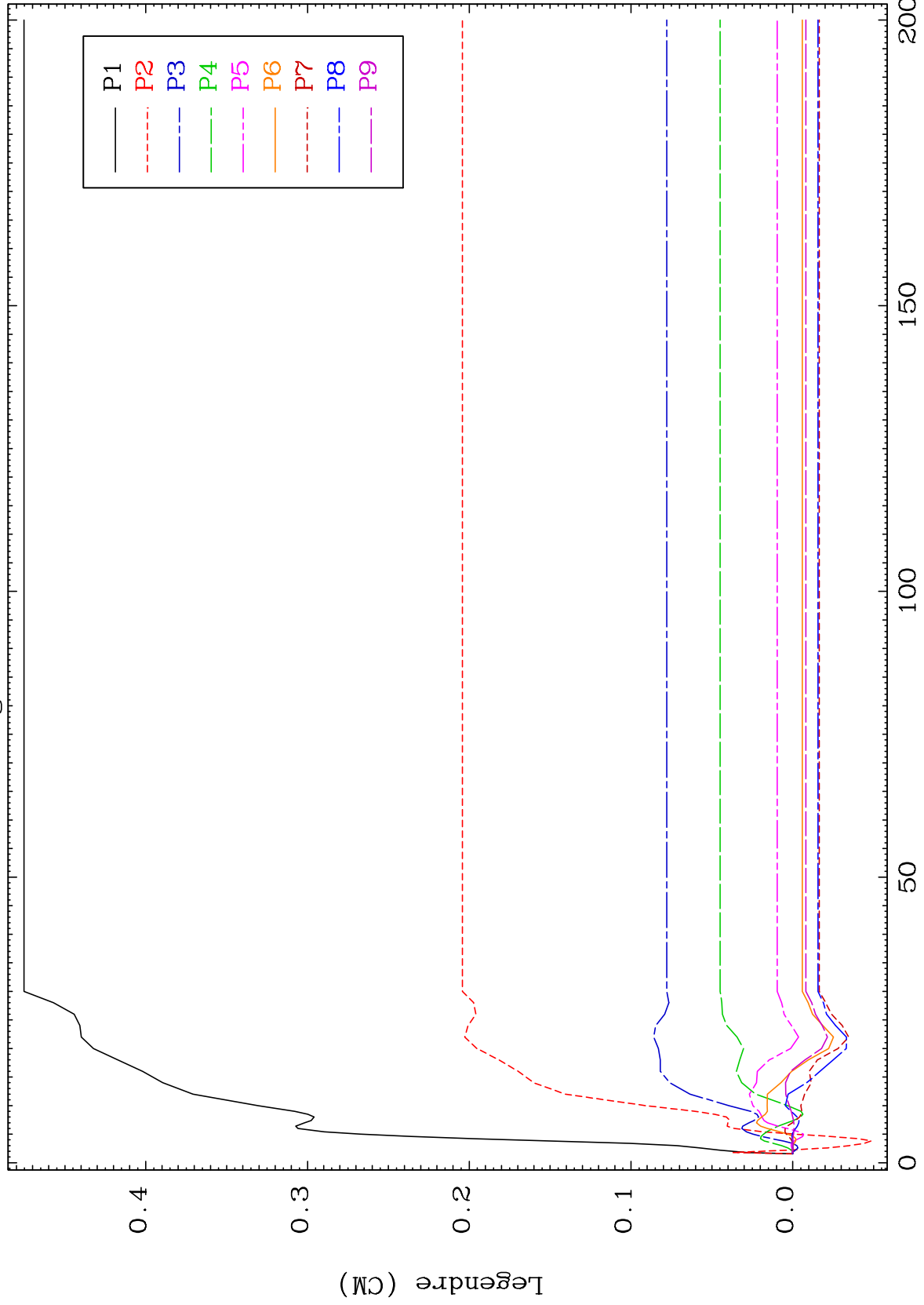
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

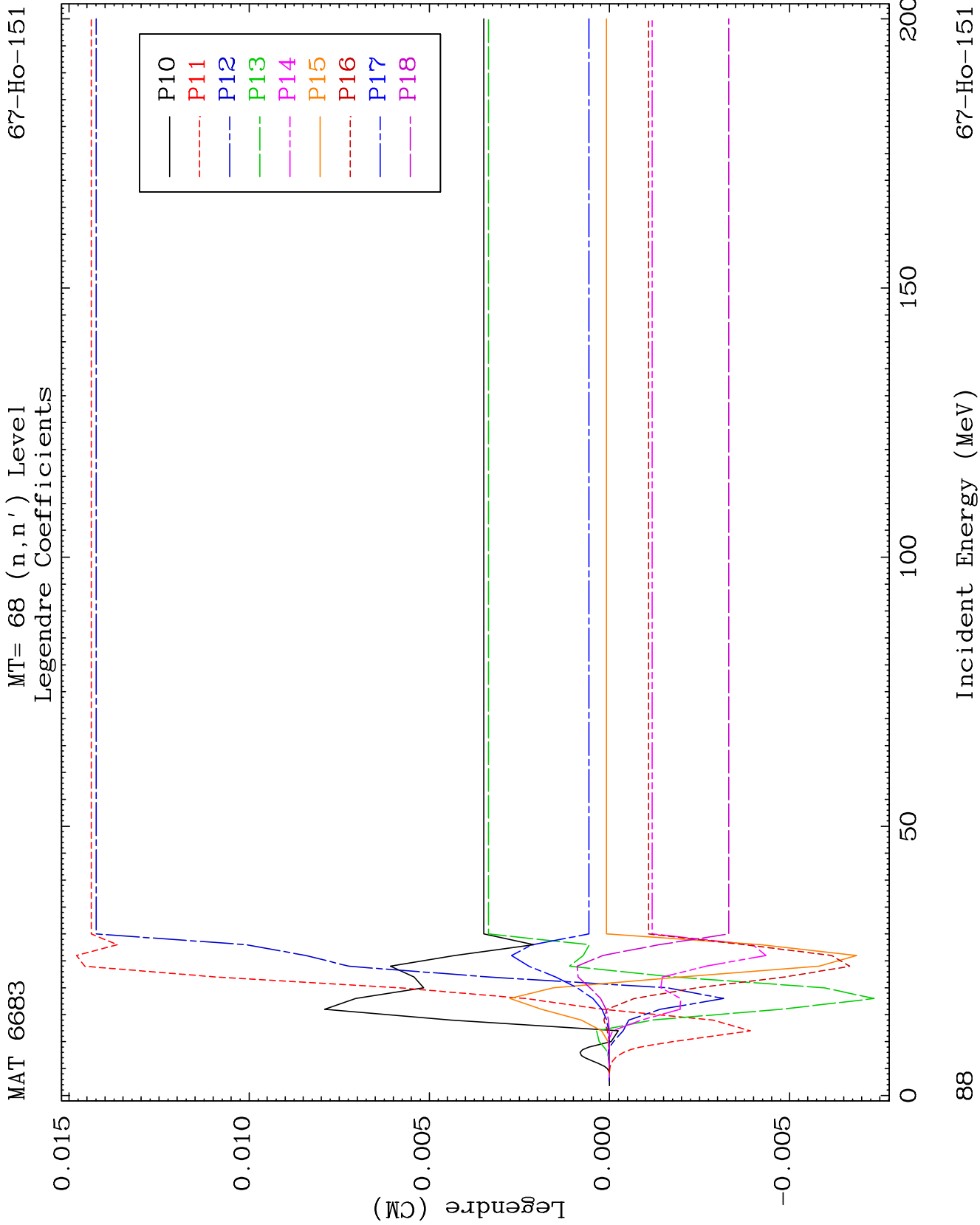
67-Ho-151



87

Incident Energy (MeV)

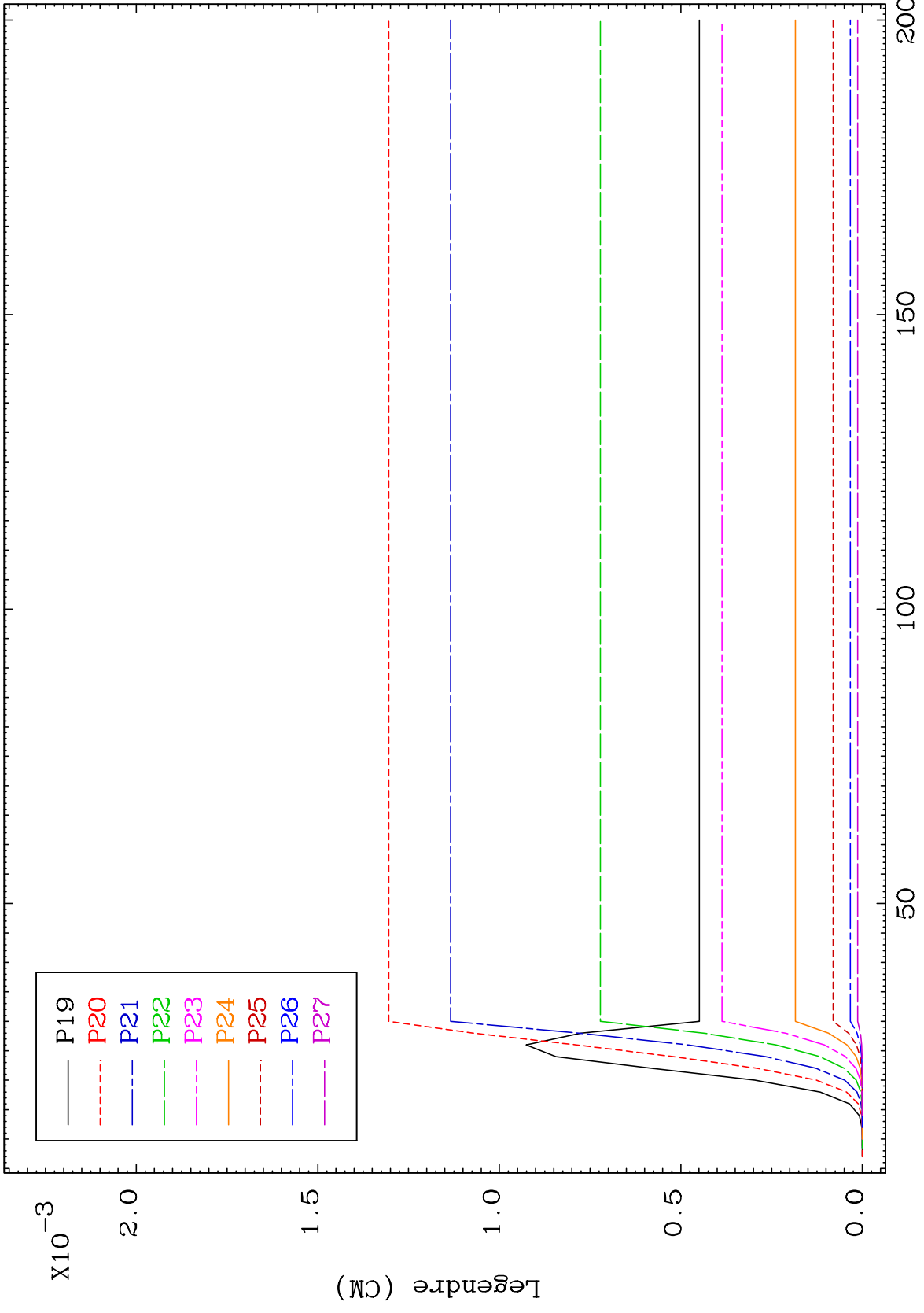
67-Ho-151



MAT 6683

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

67-Ho-151



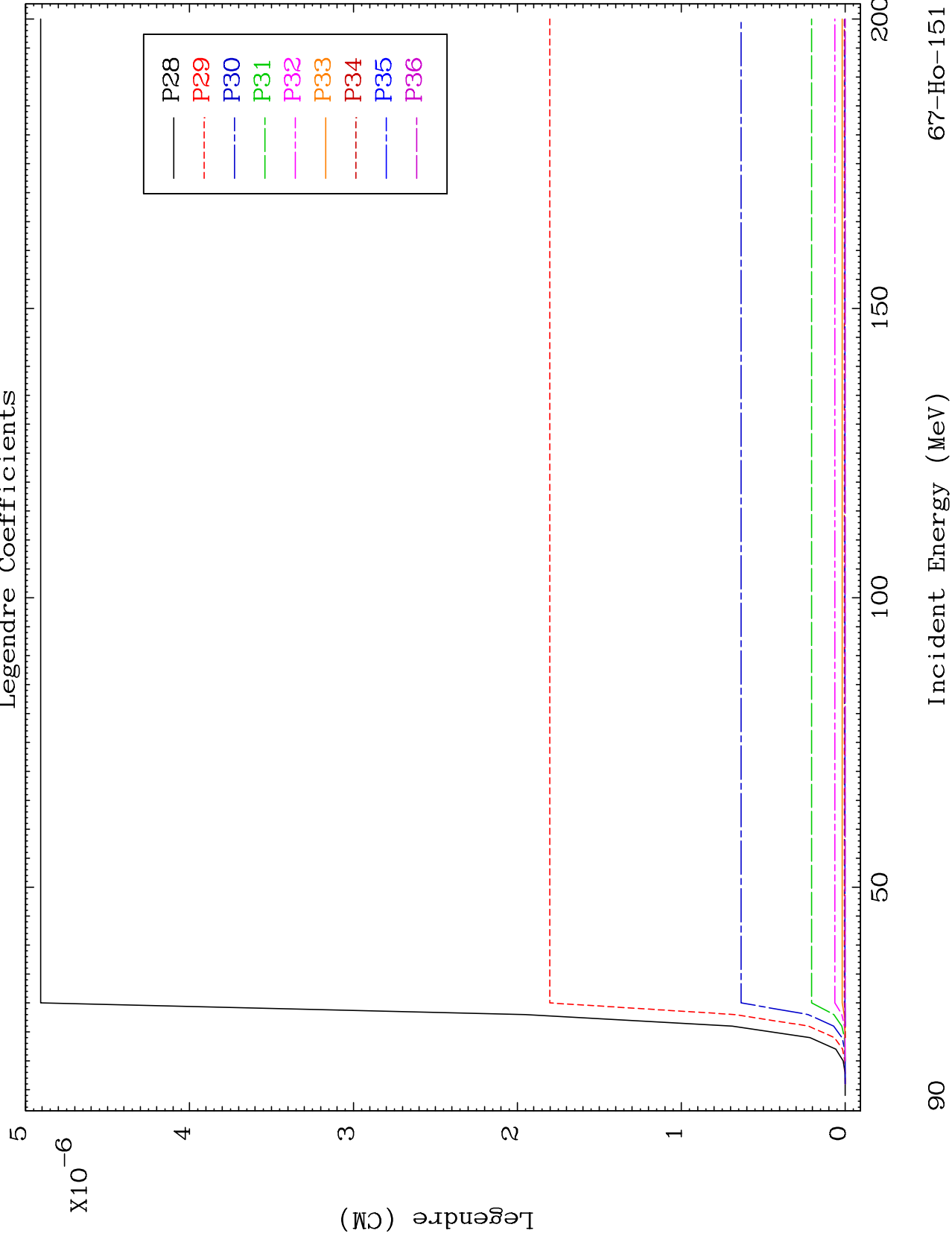
89

67-Ho-151

MAT 6683

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

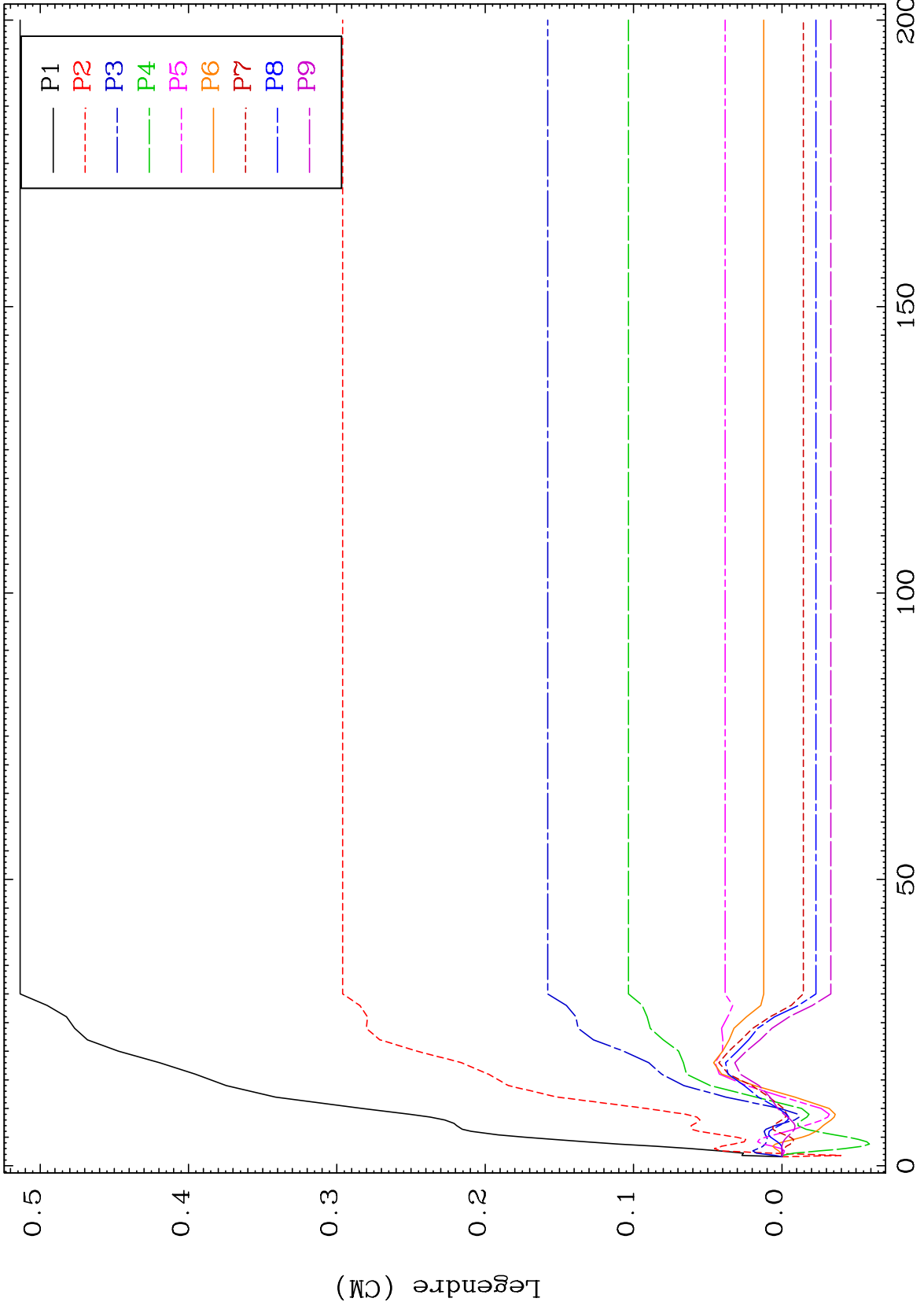
67-Ho-151



MAT 6683

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

67-Ho-151



91

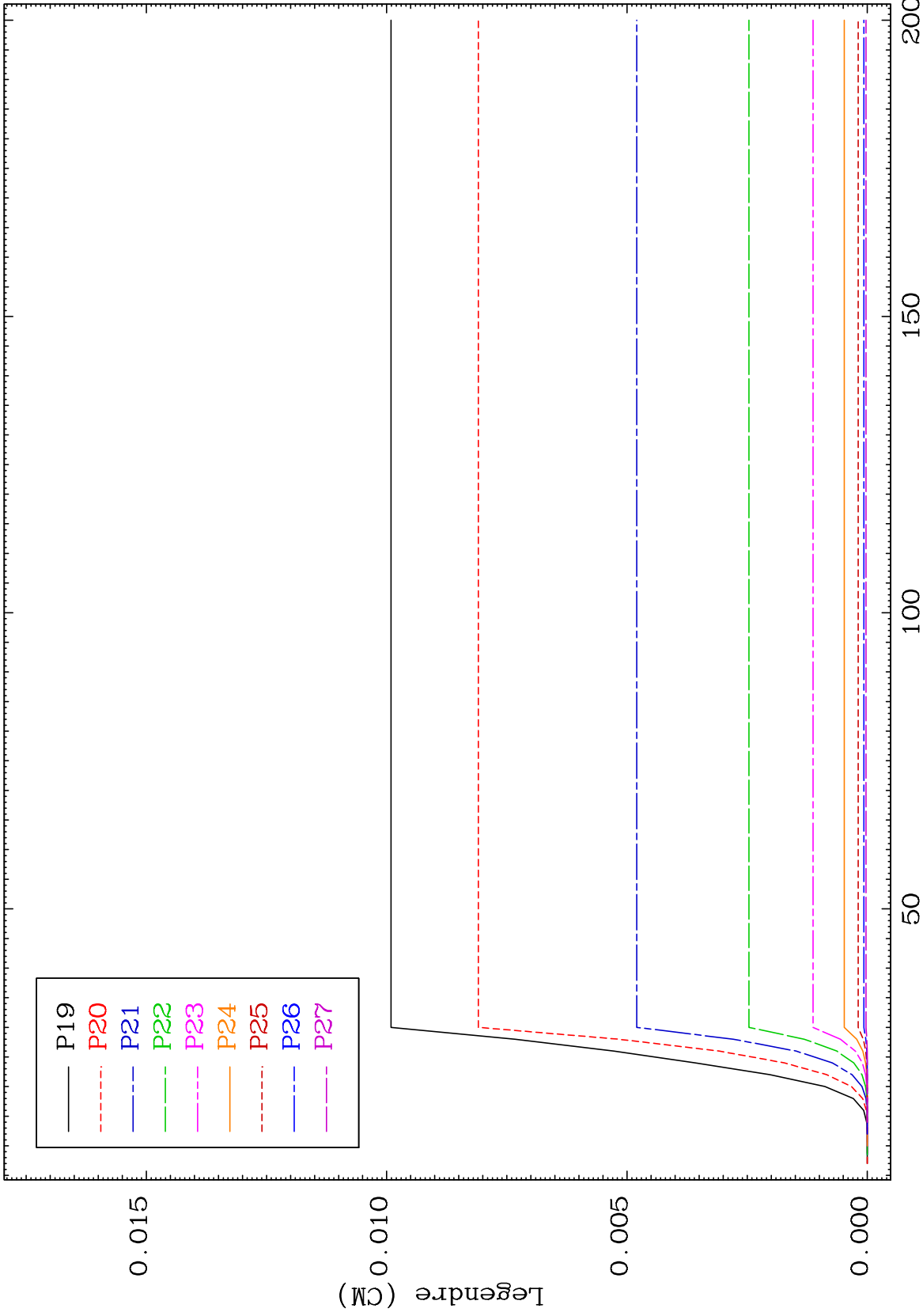
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151



93

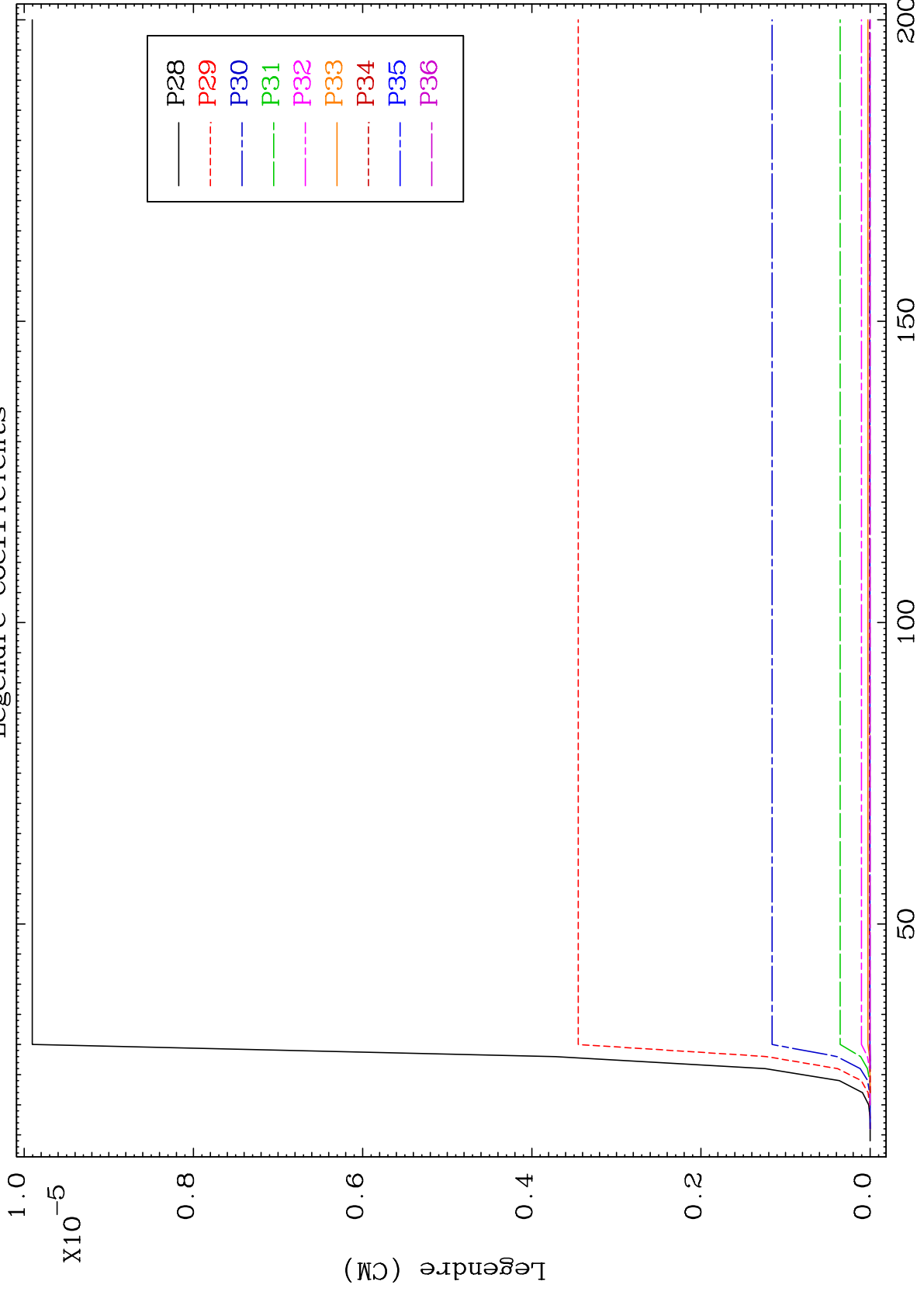
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151



94

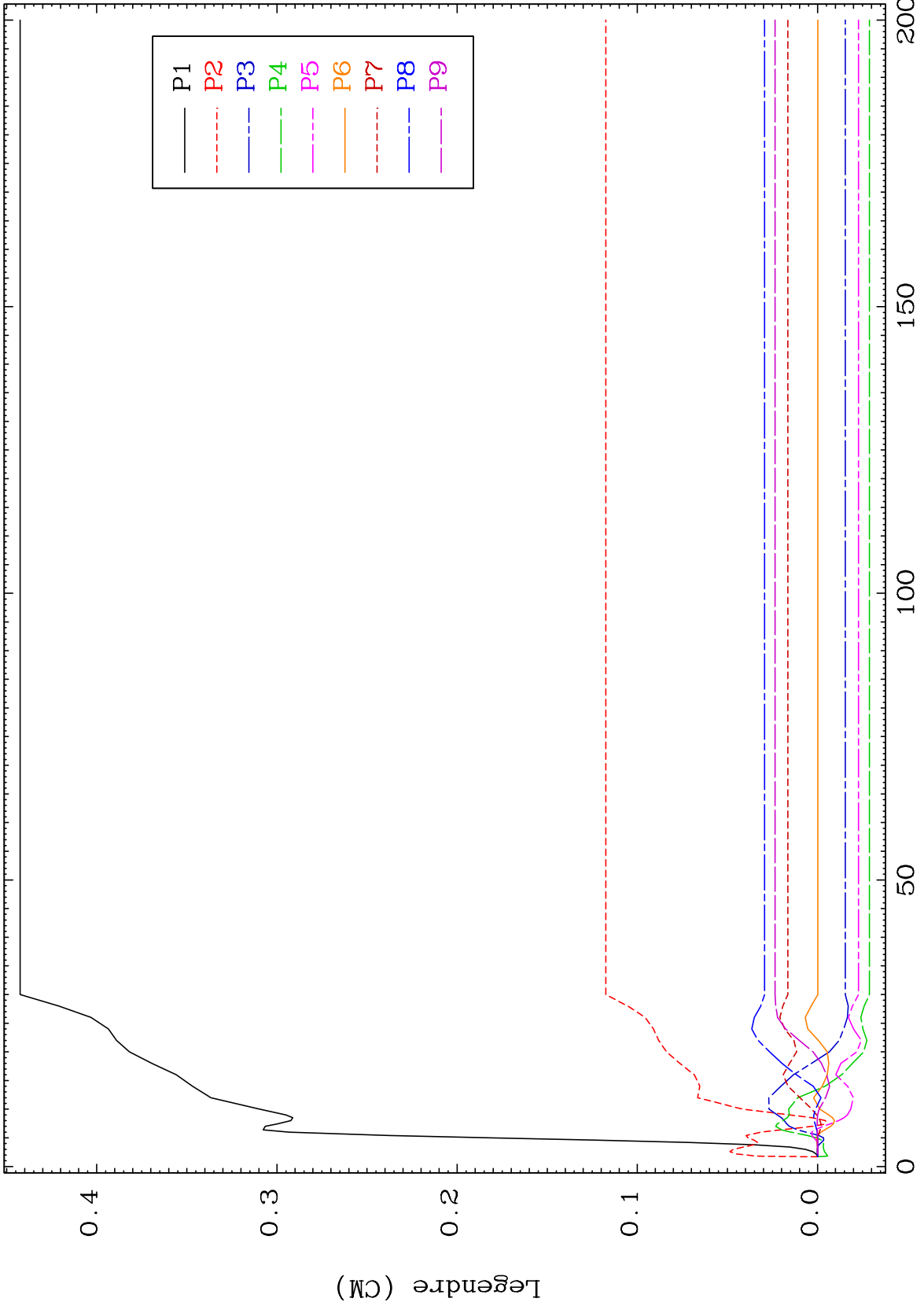
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151



95

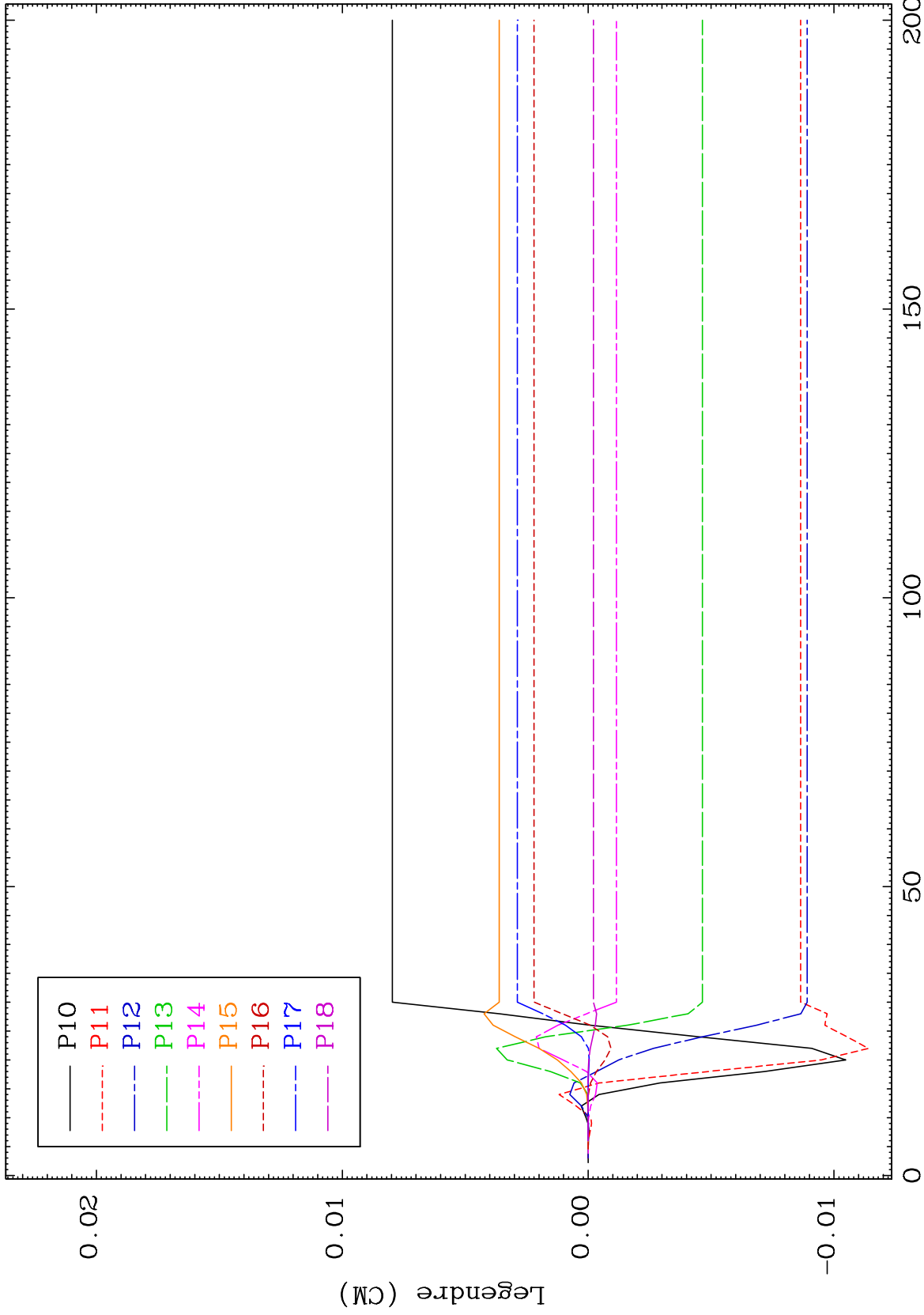
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151



96

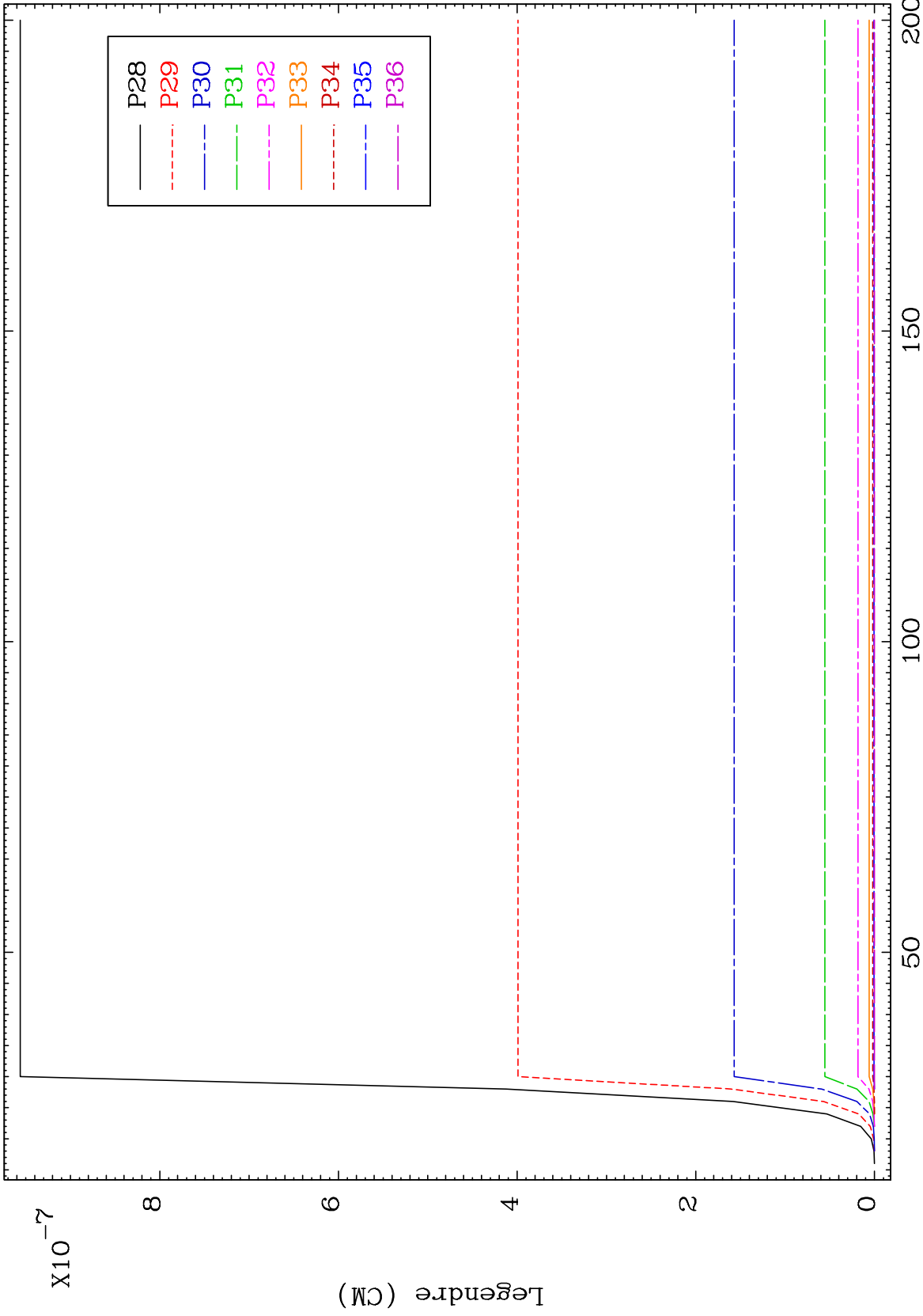
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151



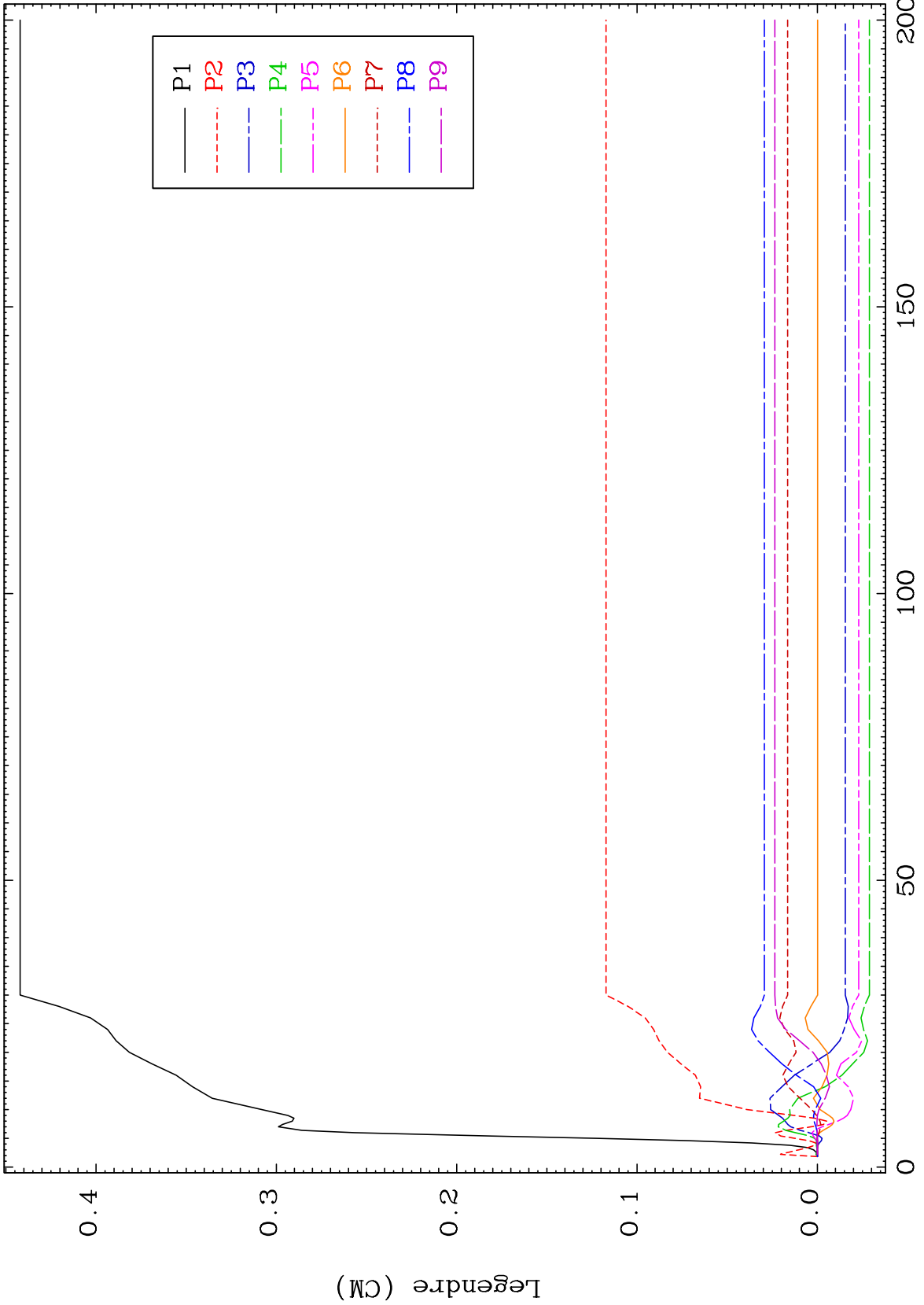
98

67-Ho-151

MAT 6683

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

67-Ho-151



99

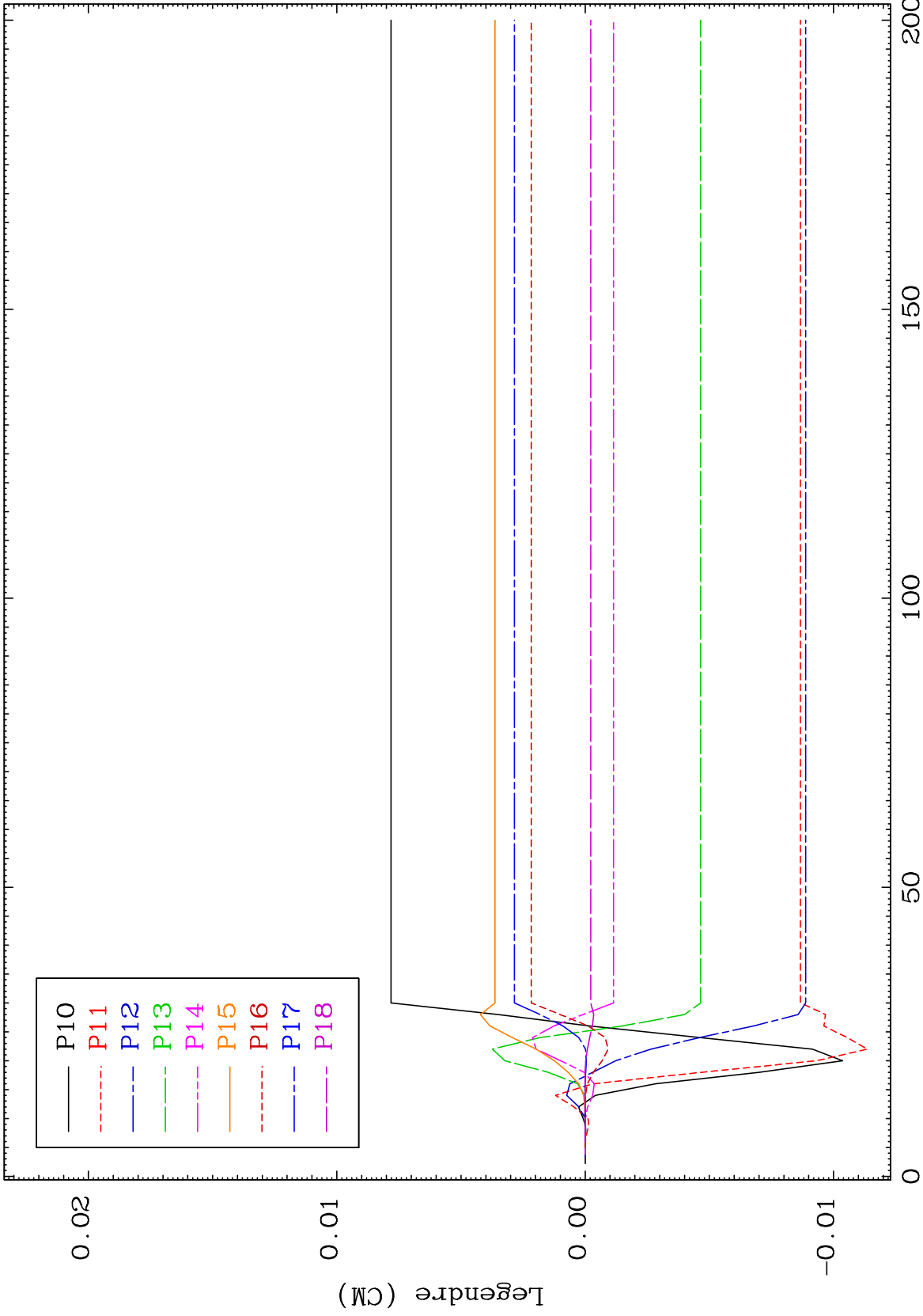
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151



67-Ho-151

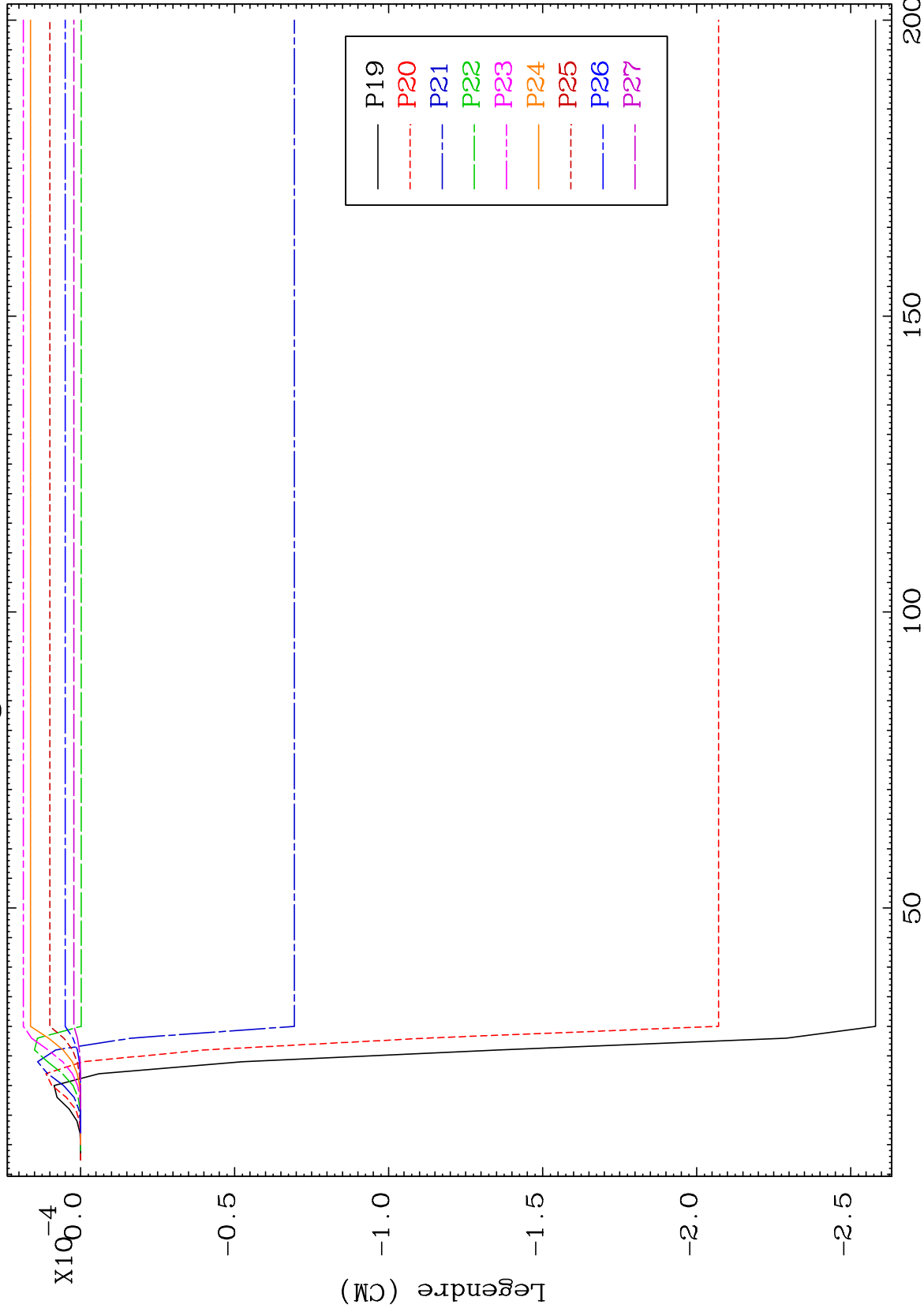
Incident Energy (MeV)

100

MAT 6683

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

67-Ho-151



101

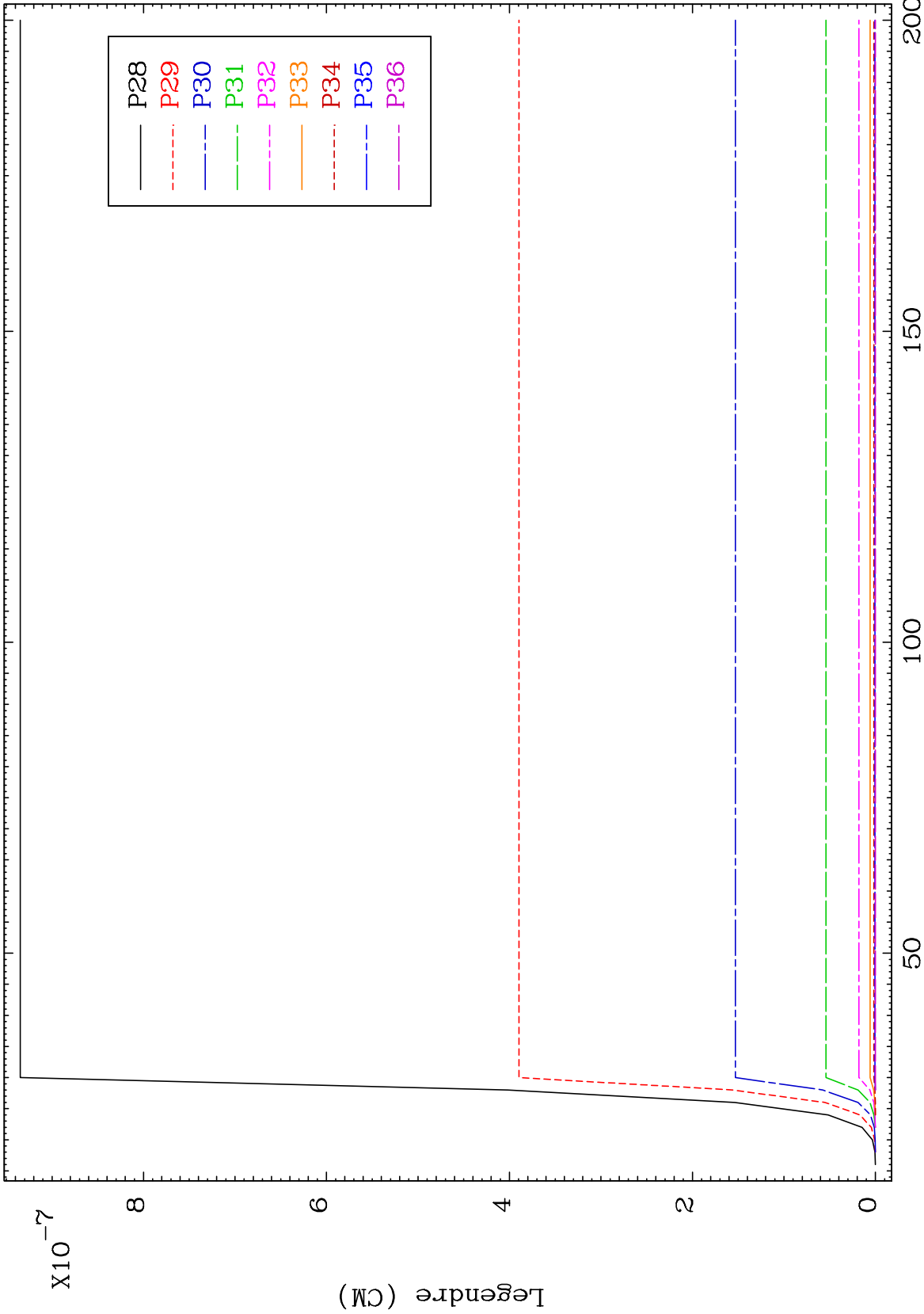
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151



102

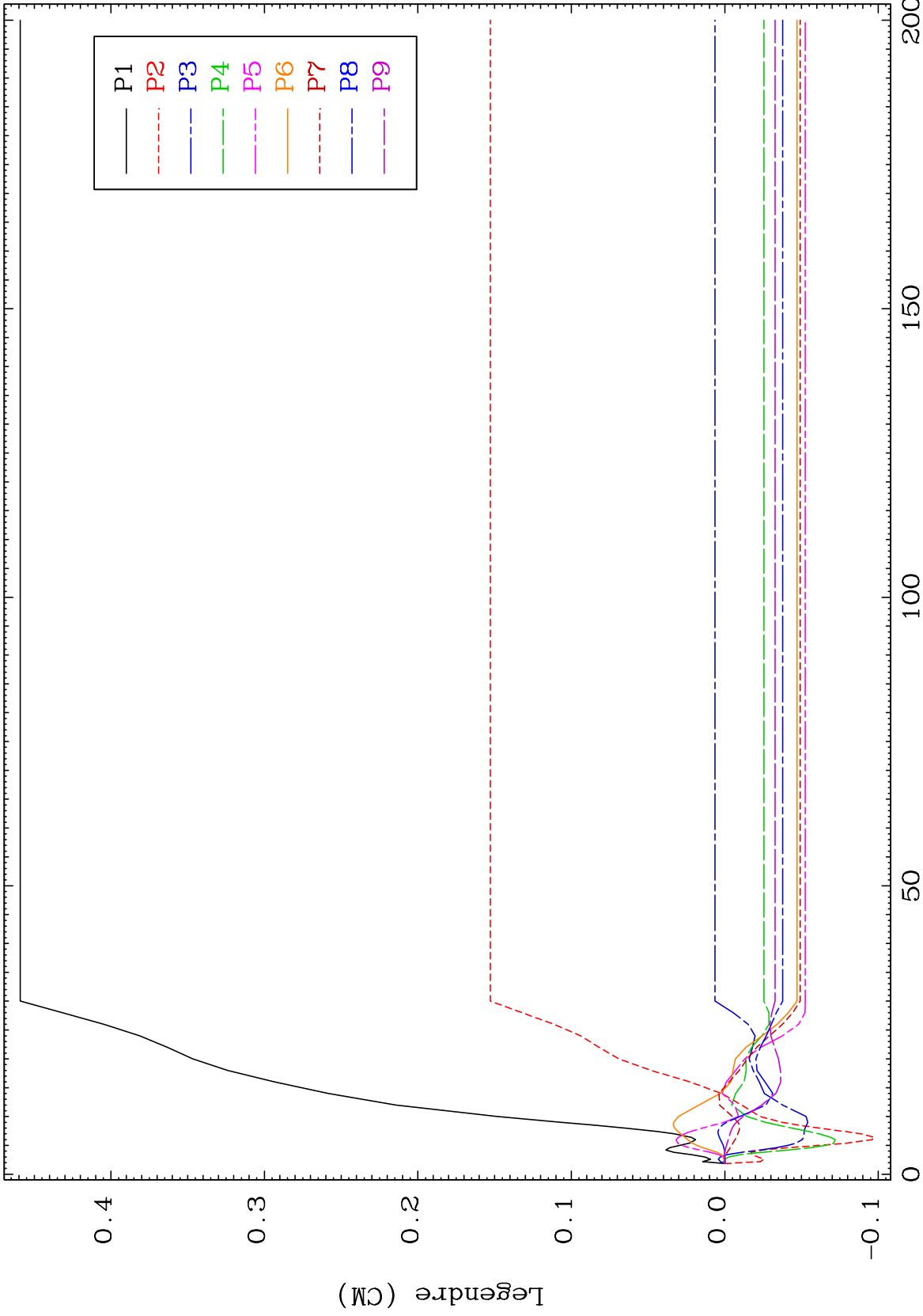
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151



67-Ho-151

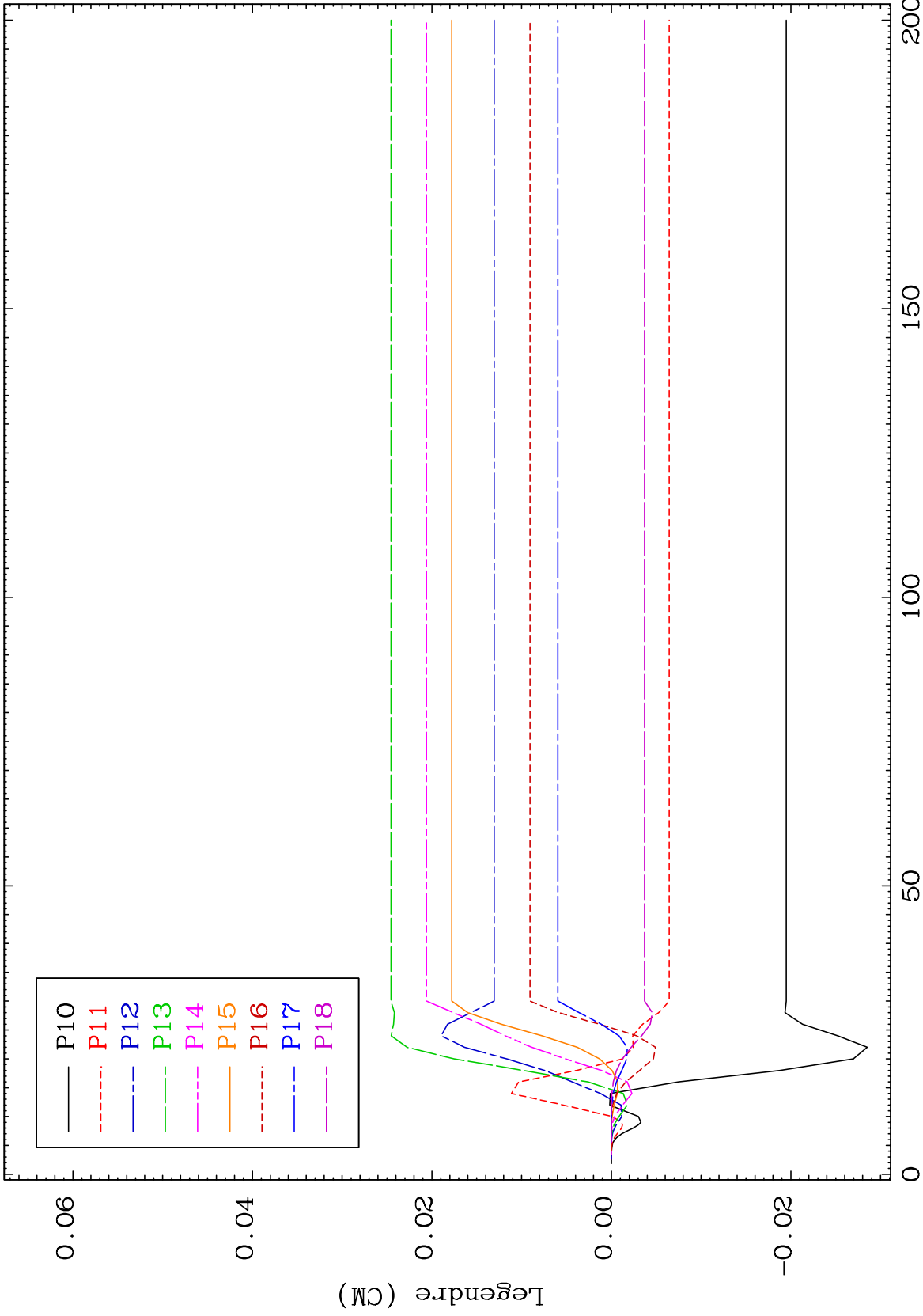
Incident Energy (MeV)

103

MAT 6683

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

67-Ho-151



104

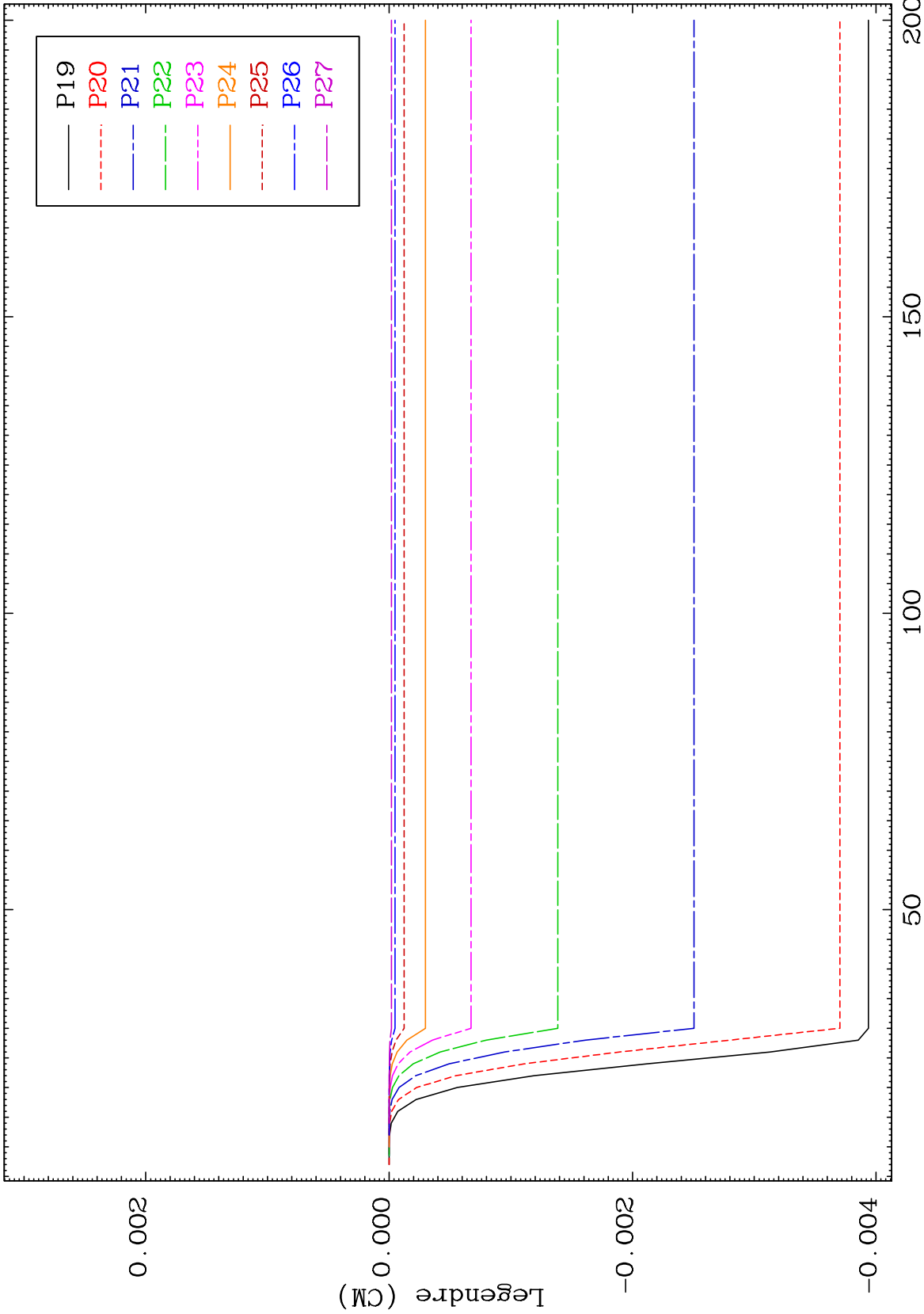
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151

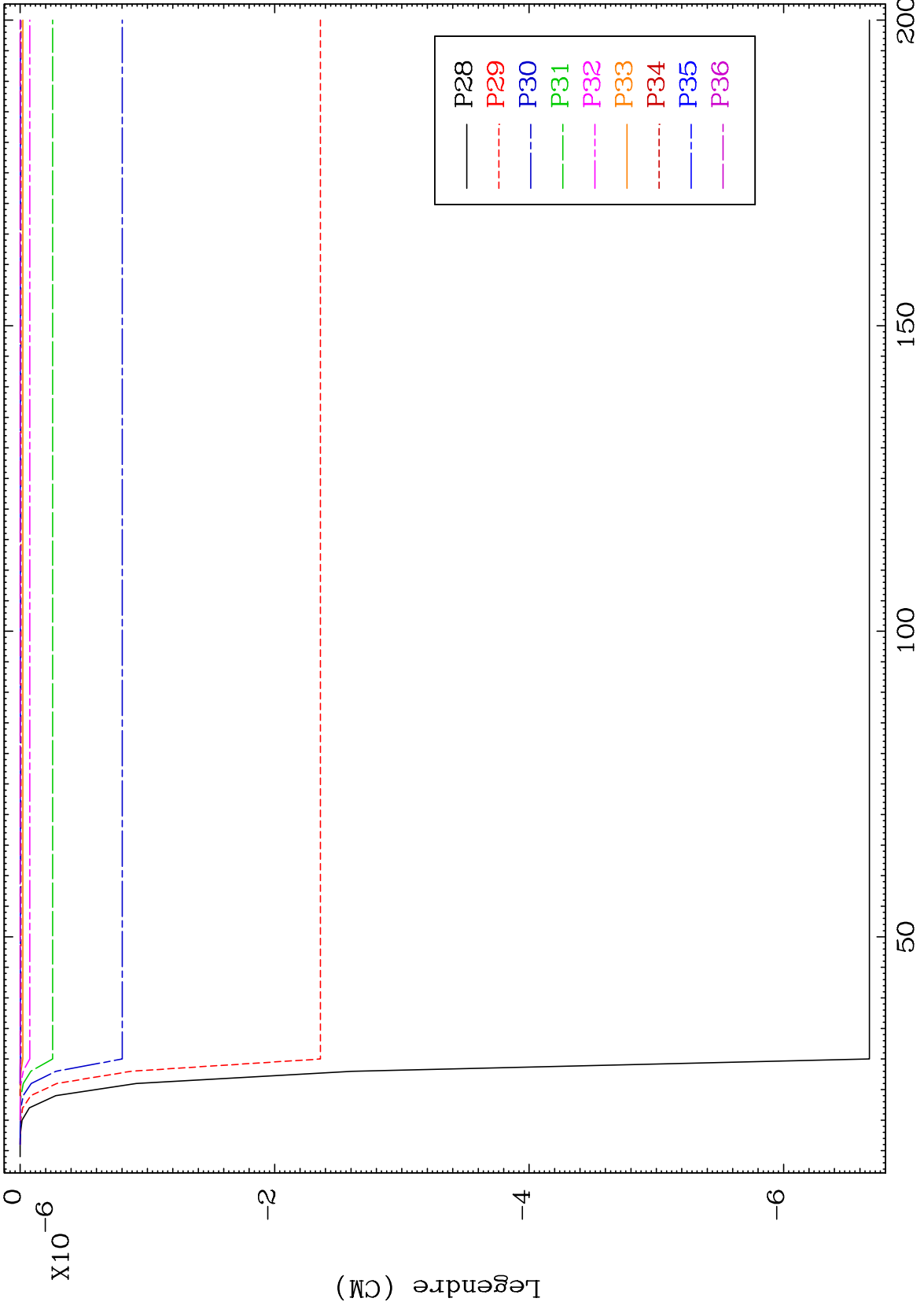


105

Incident Energy (MeV)

67-Ho-151

MAT 6683 MT= 72 (n,n') Level Legendre Coefficients 67-Ho-151

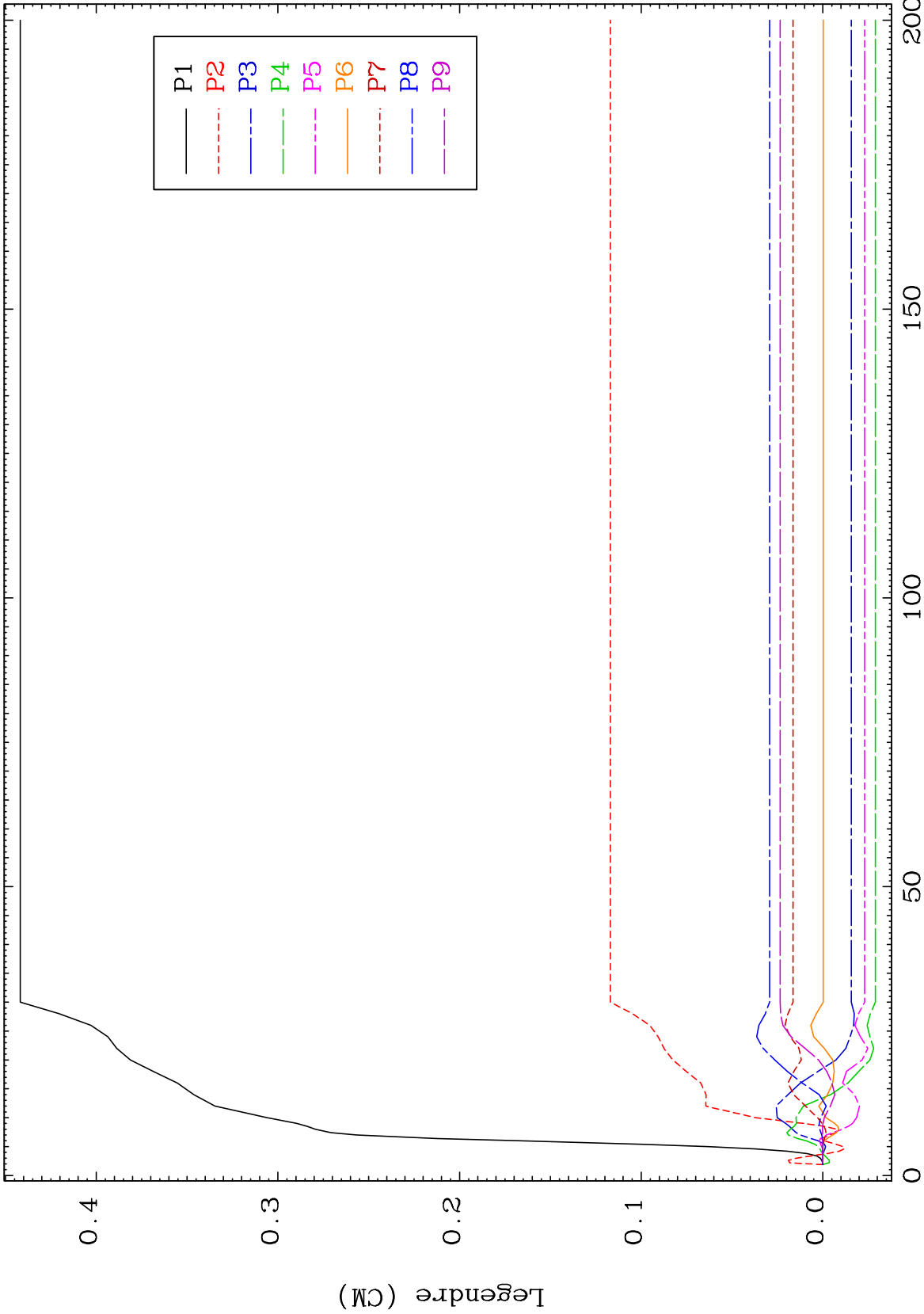


106 Incident Energy (MeV) 67-Ho-151

MAT 6683

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

67-Ho-151



107

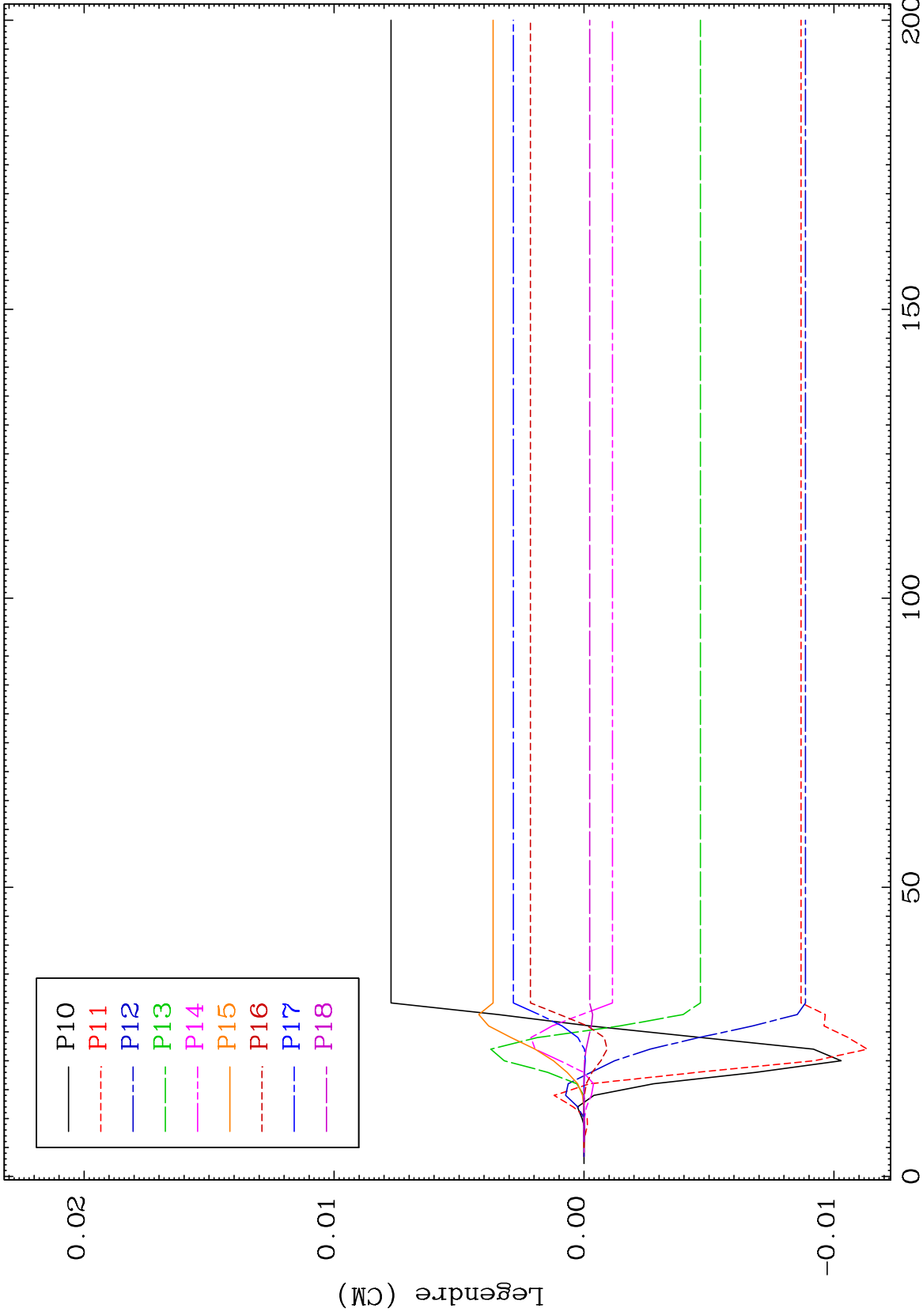
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151



108

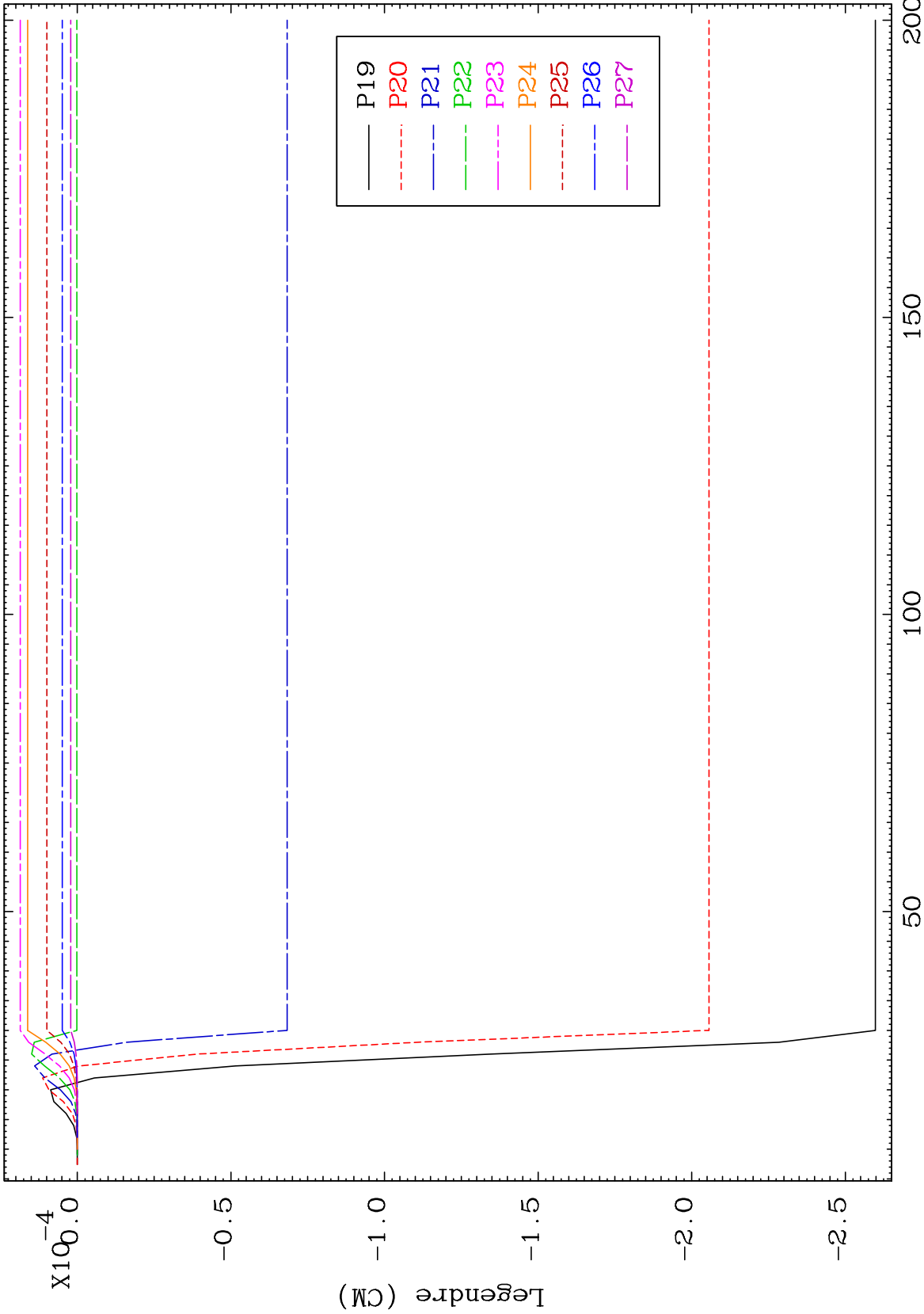
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151



109

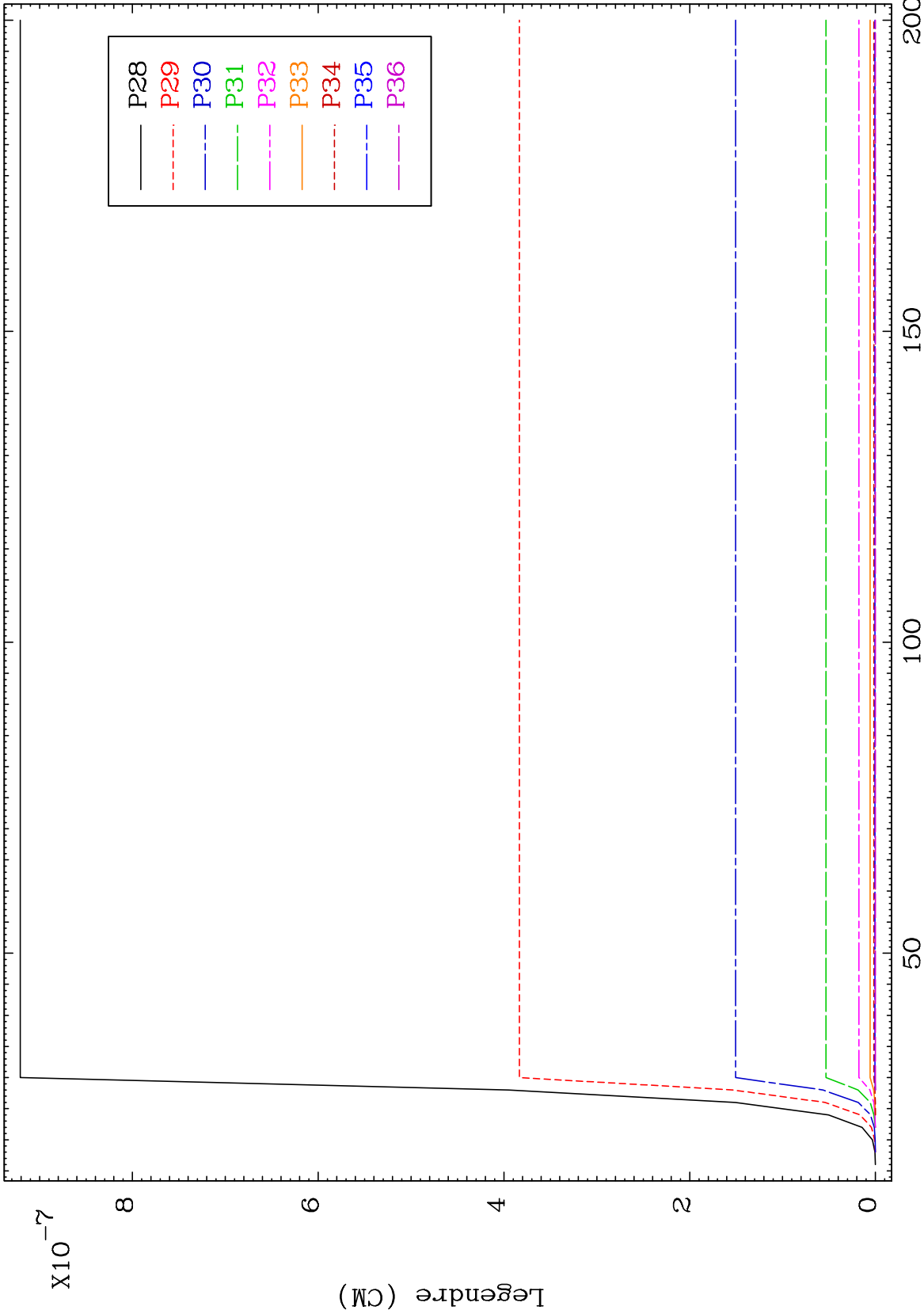
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151



110

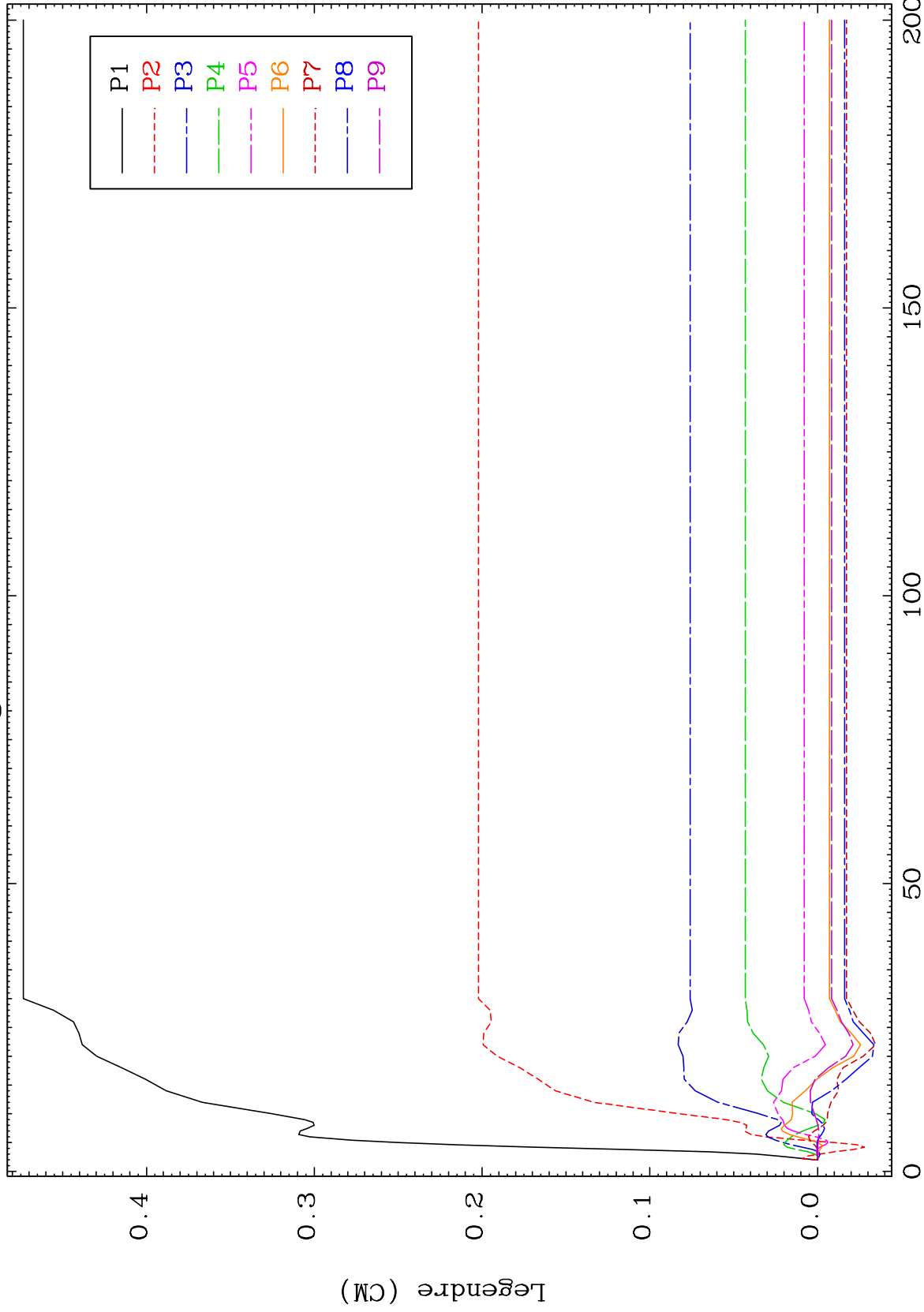
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151

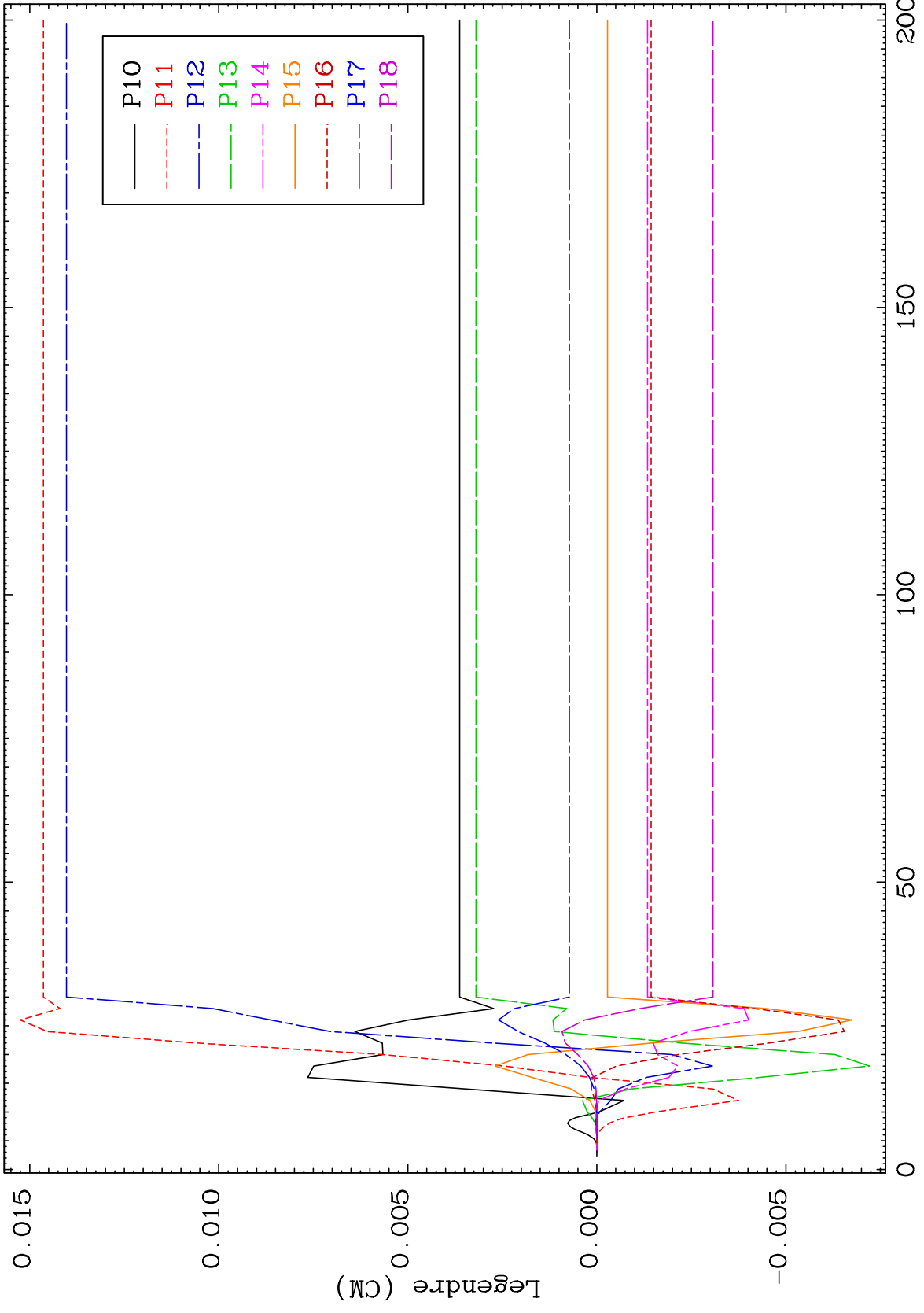


111

Incident Energy (MeV)

67-Ho-151

MAT 6683 MT= 74 (n,n') Level Legendre Coefficients 67-Ho-151

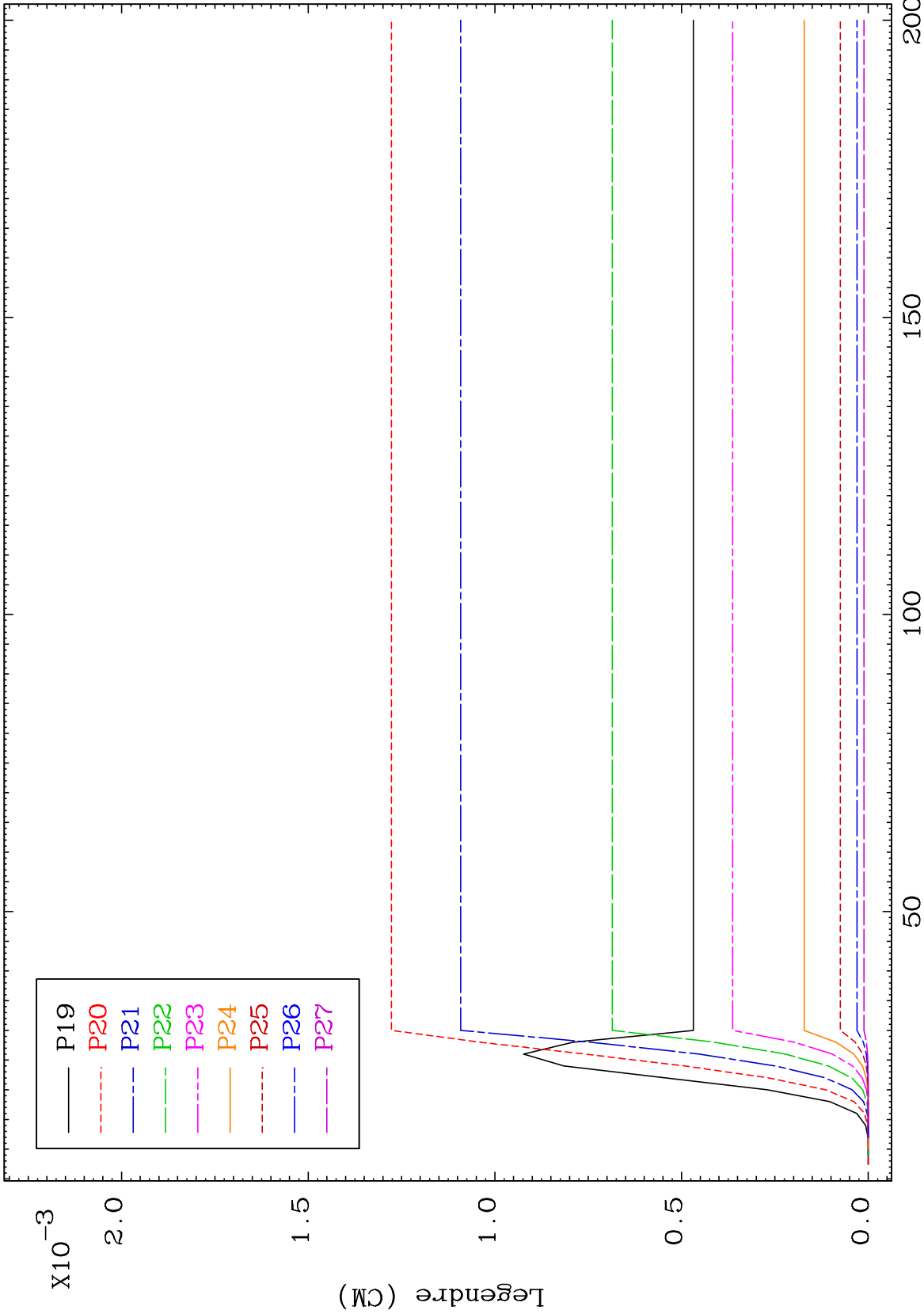


112 67-Ho-151

MAT 6683

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

67-Ho-151



113

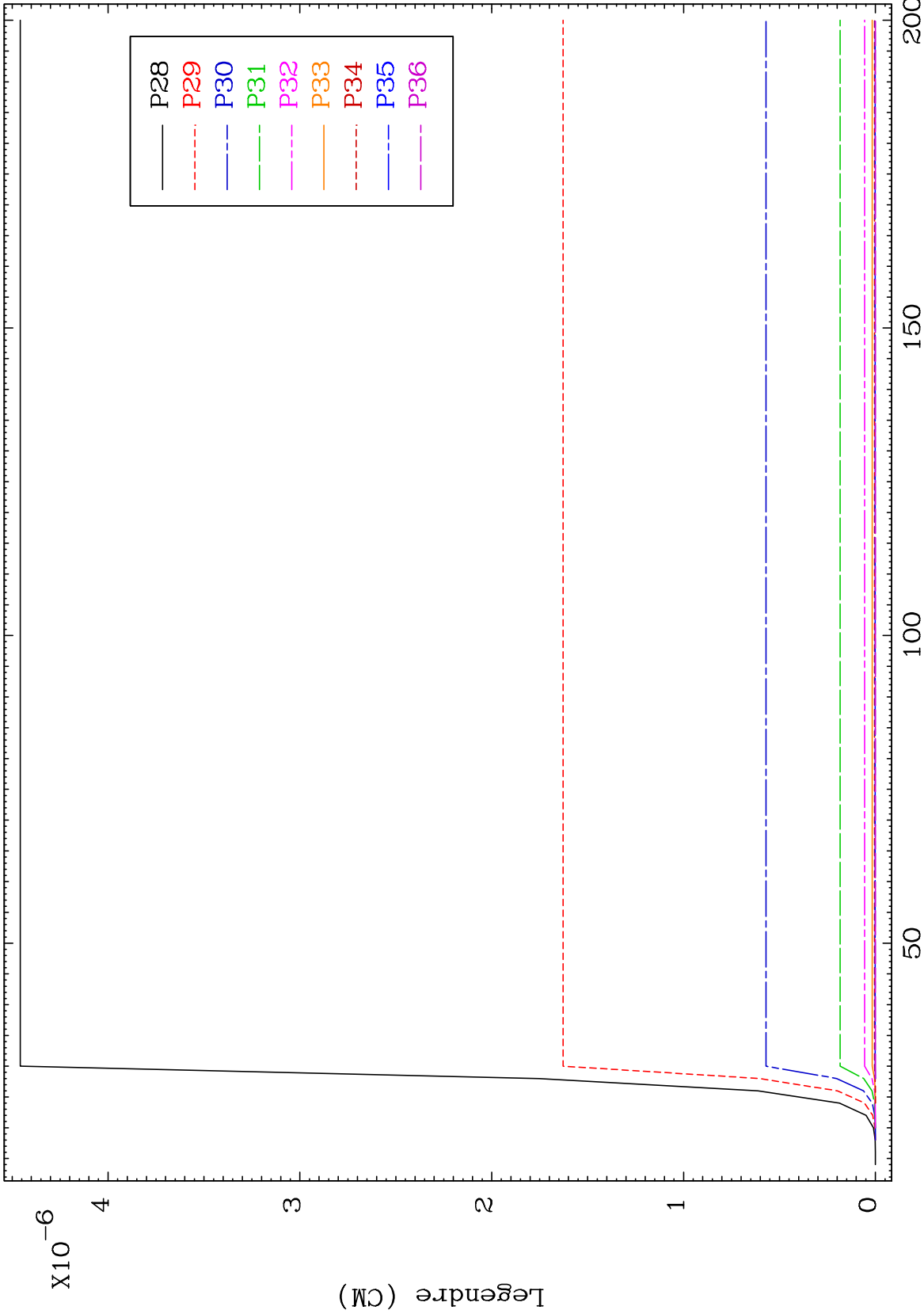
Incident Energy (MeV)

67-Ho-151

MAT 6683

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

67-Ho-151



114

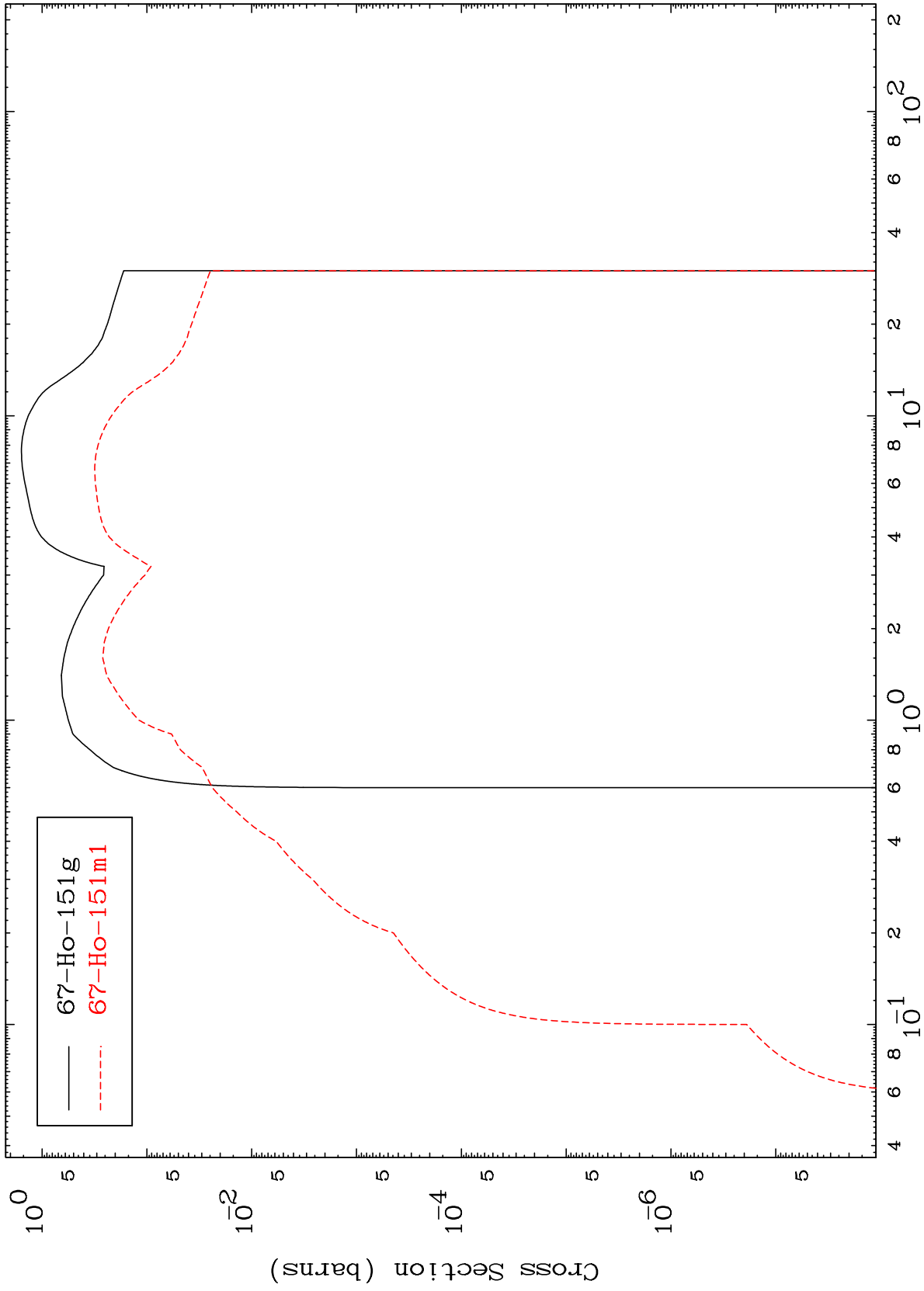
Incident Energy (MeV)

67-Ho-151

MAT 6683

67-Ho-151

Inelastic
Radionuclide Production Cross Section



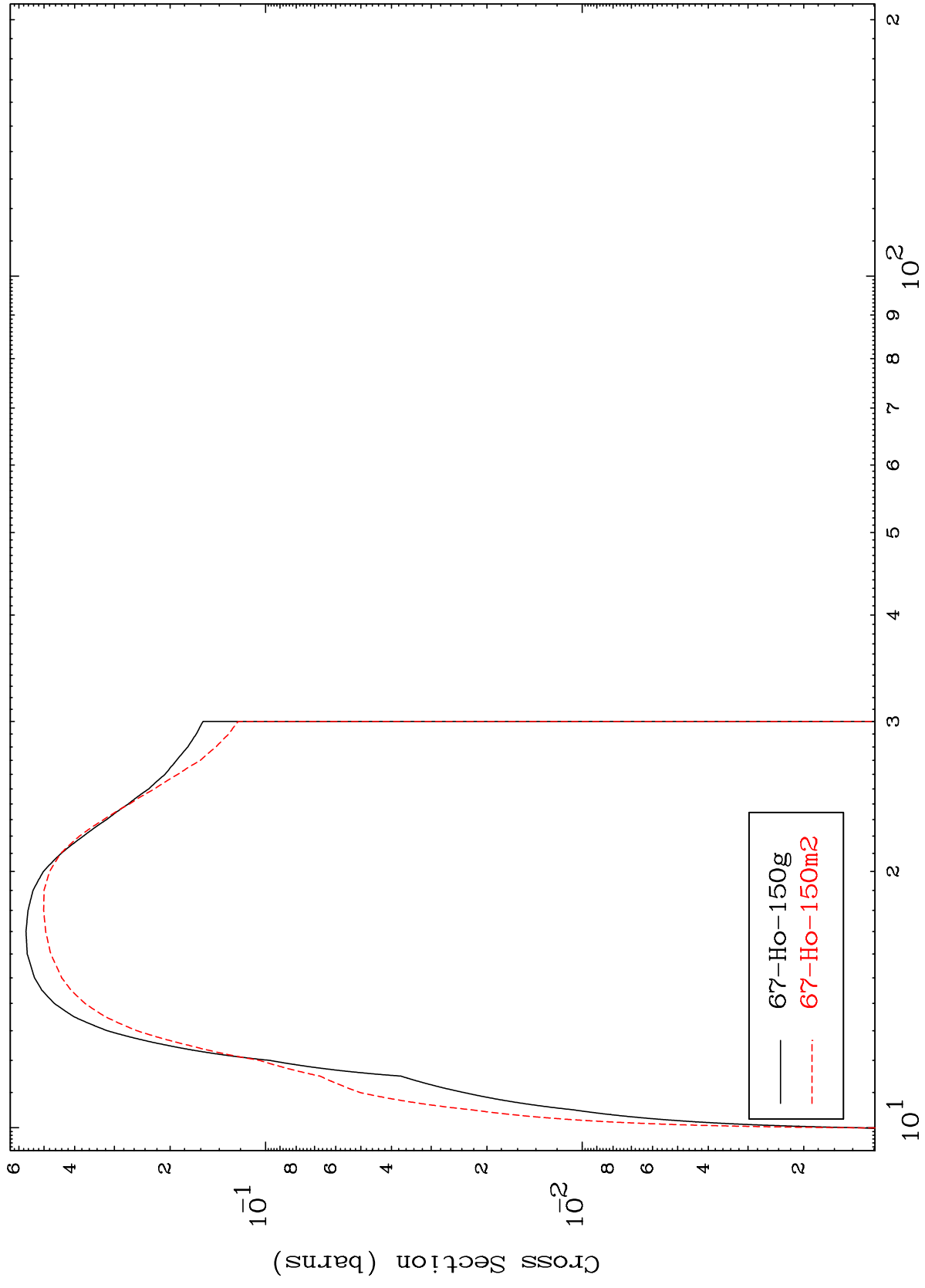
115

67-Ho-151

MAT 6683

67-Ho-151

(n,2n)
Radionuclide Production Cross Section



116

Incident Energy (MeV)

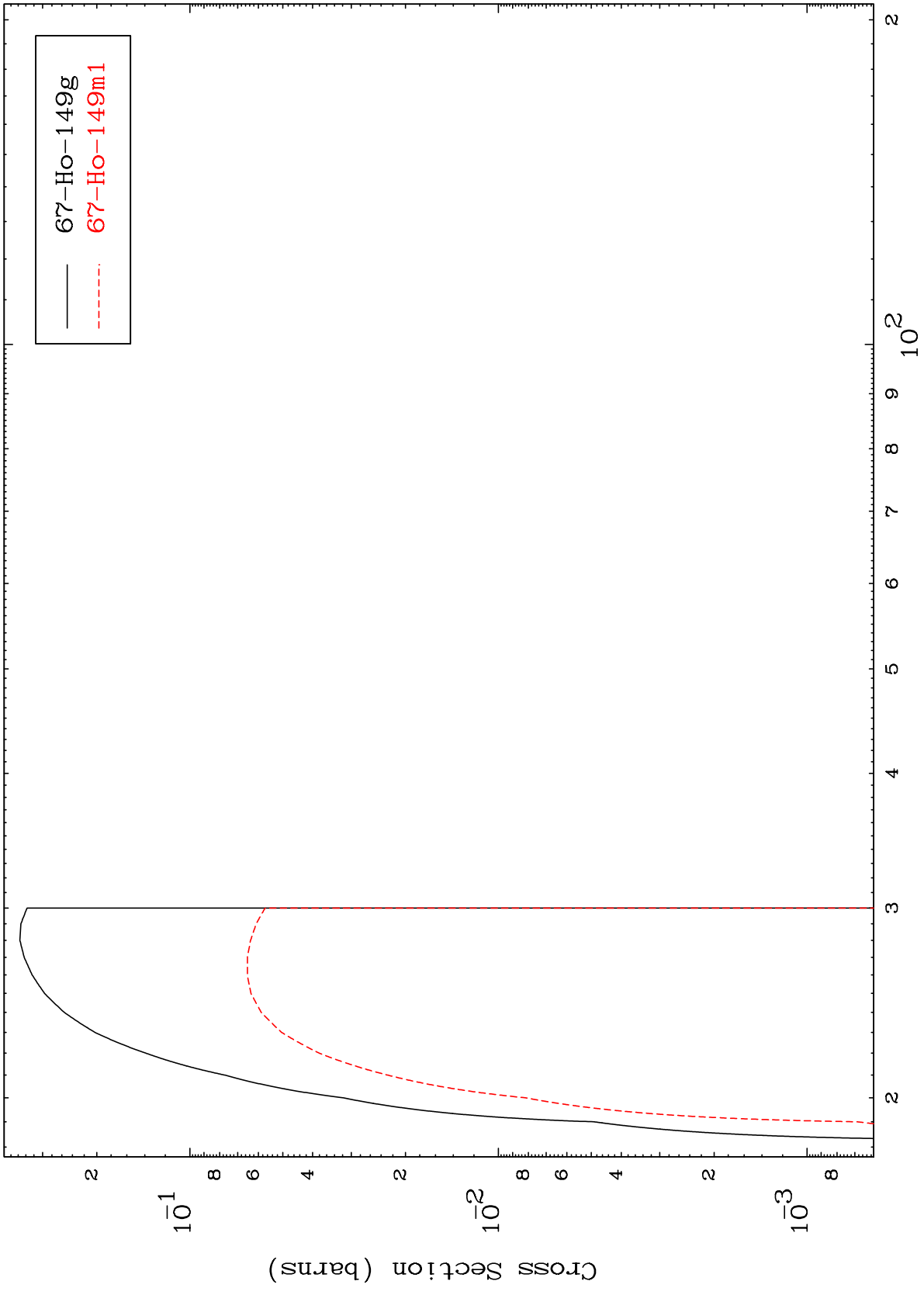
67-Ho-151

MAT 6683

(n,3n)

67-Ho-151

Radionuclide Production Cross Section



117

Incident Energy (MeV)

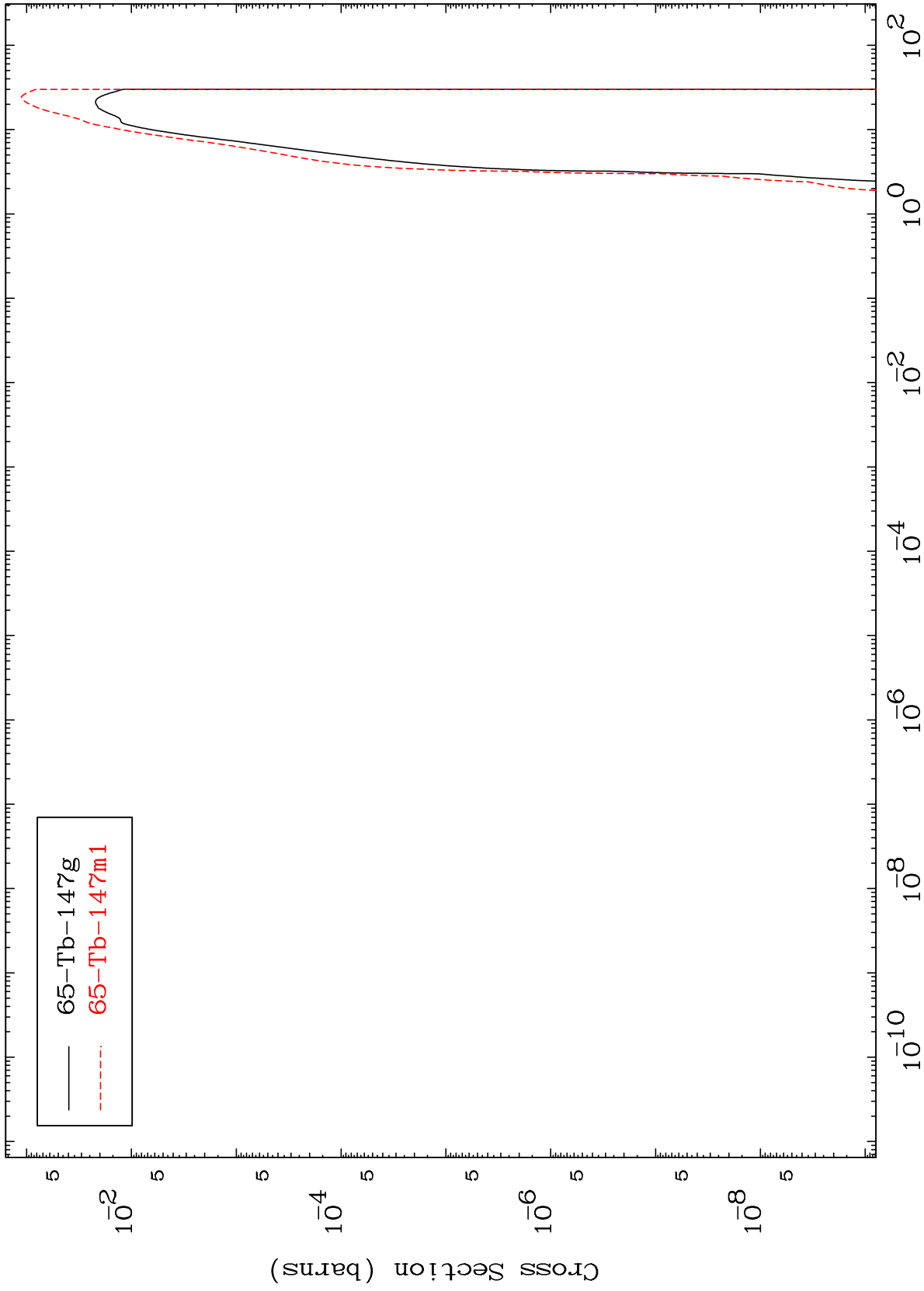
67-Ho-151

MAT 6683

(n,n') α

67-Ho-151

Radionuclide Production Cross Section



118

Incident Energy (MeV)

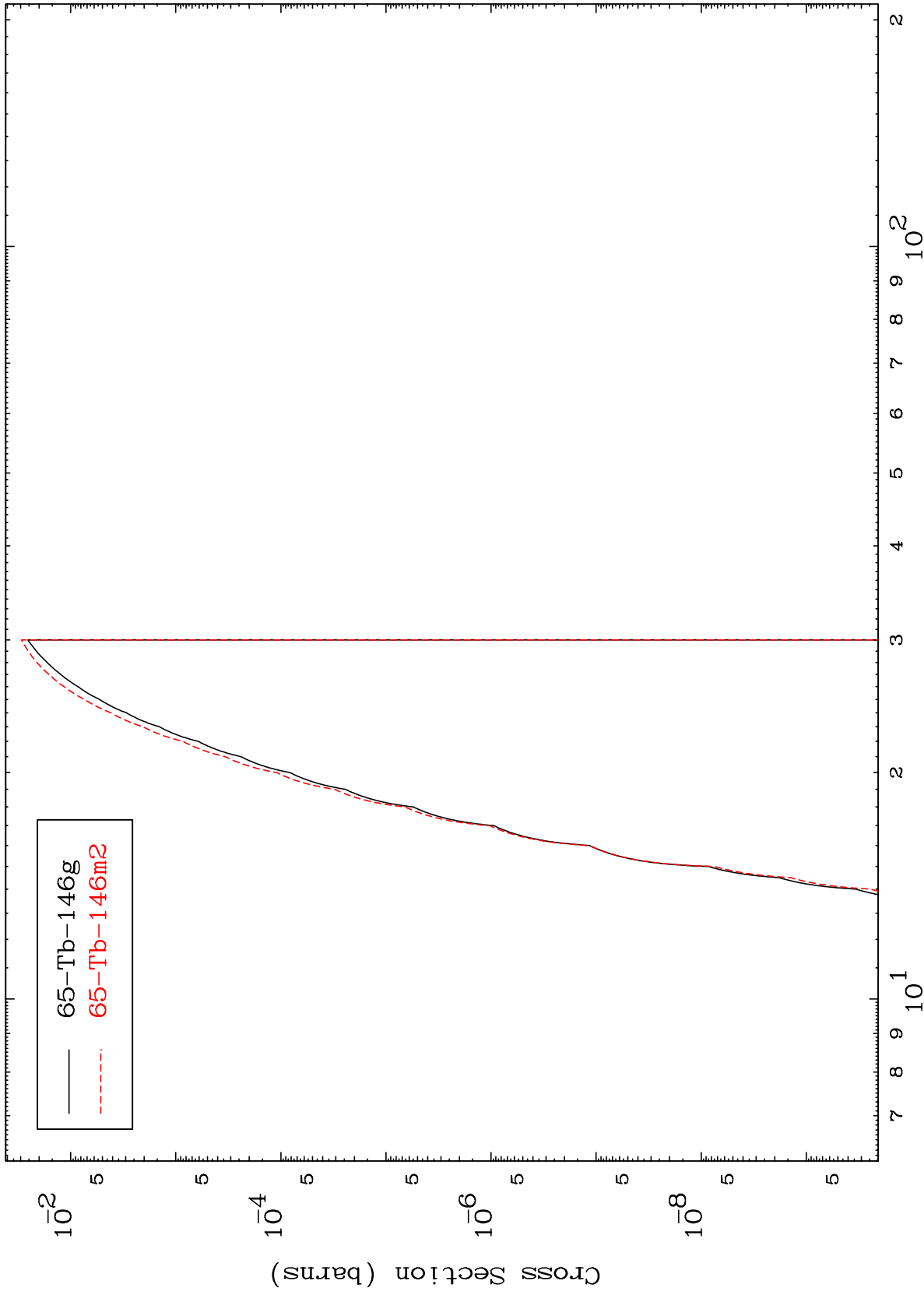
67-Ho-151

MAT 6683

(n,2n) α

67-Ho-151

Radionuclide Production Cross Section



119

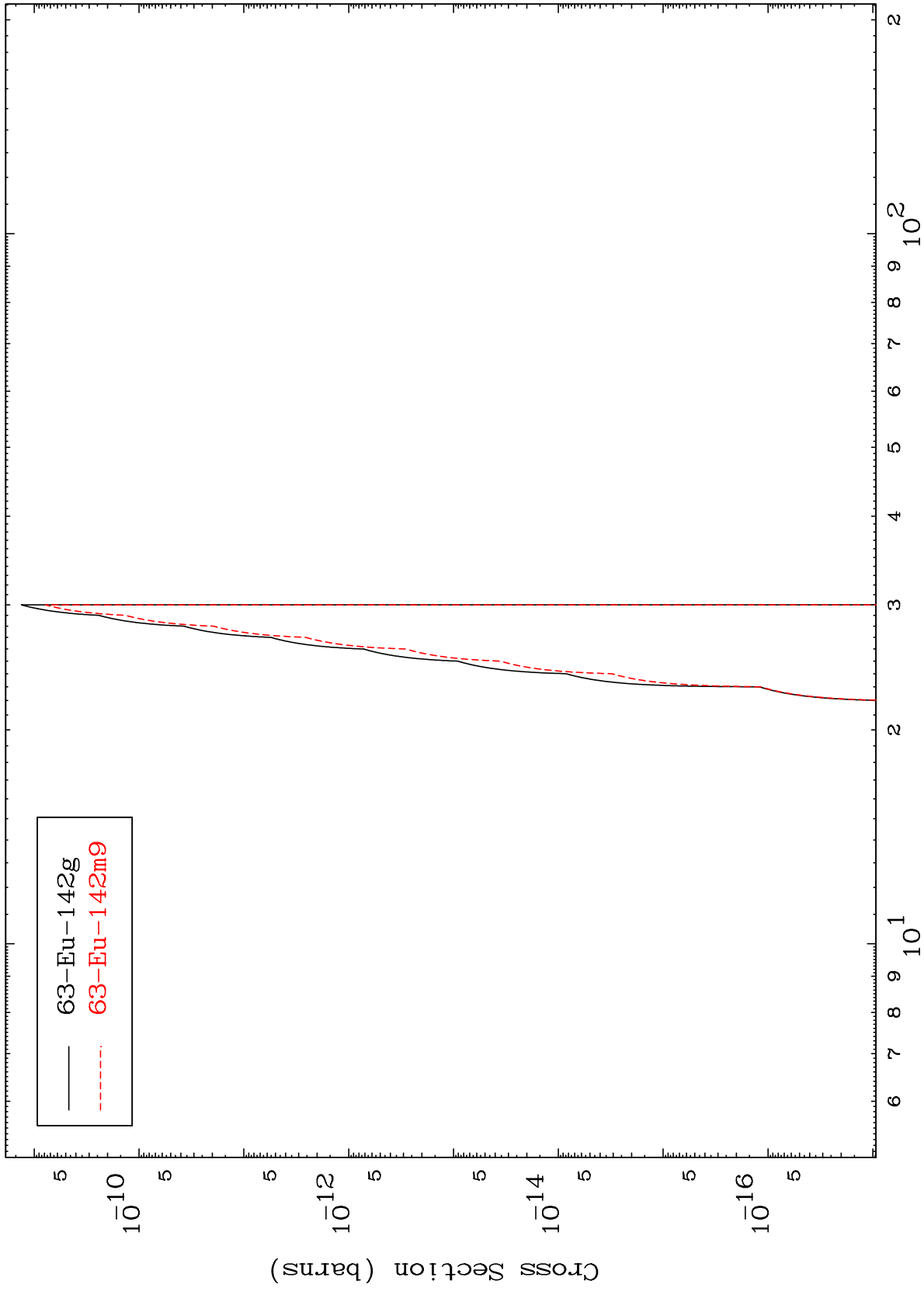
Incident Energy (MeV)

67-Ho-151

MAT 6683

67-Ho-151

(n,2n) 2 α
Radionuclide Production Cross Section



120

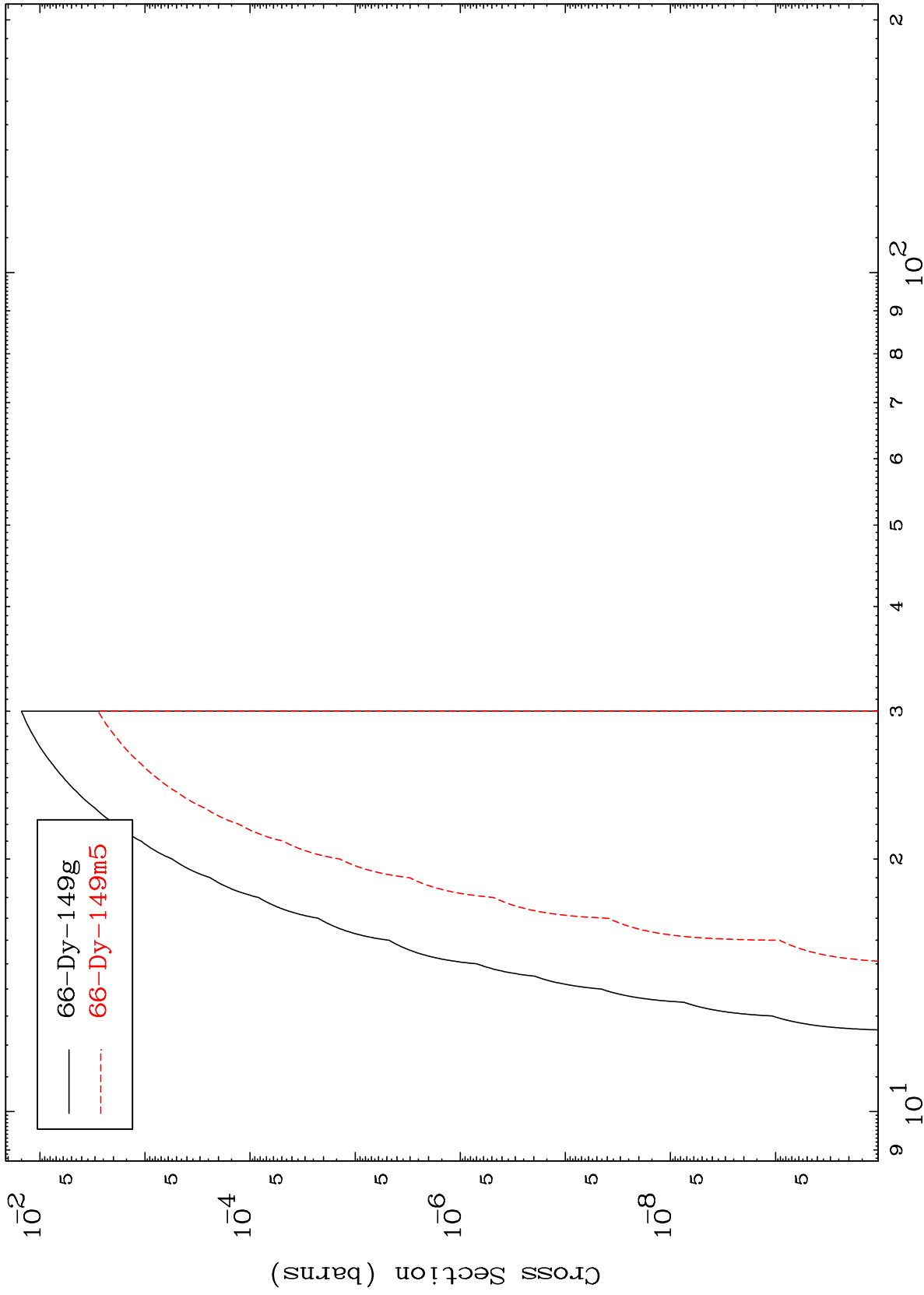
67-Ho-151

MAT 6683

(n,n') d

67-Ho-151

Radionuclide Production Cross Section



66-Dy-149g
66-Dy-149m5

121

Incident Energy (MeV)

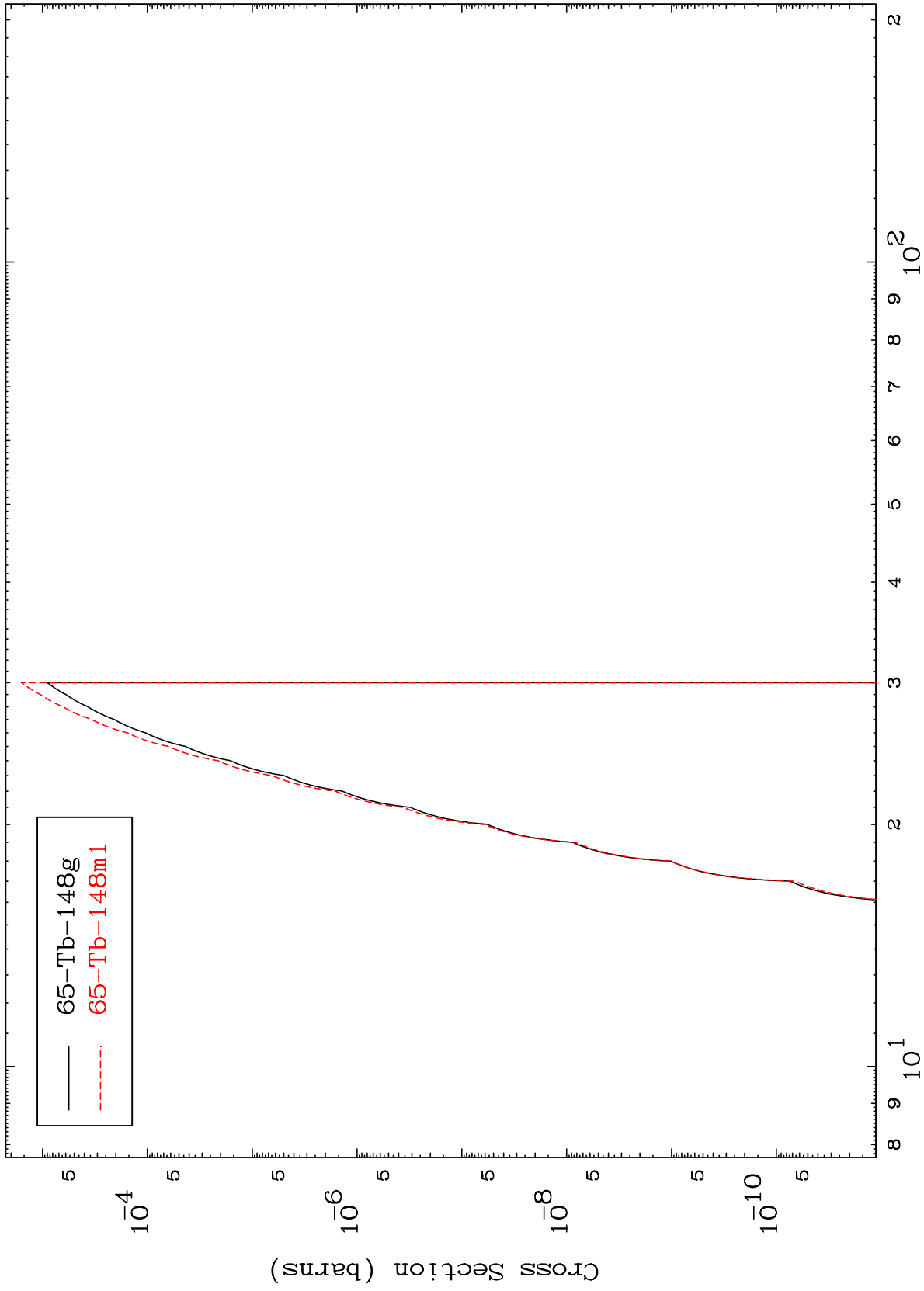
67-Ho-151

MAT 6683

(n, n') He-3

67-Ho-151

Radionuclide Production Cross Section



122

Incident Energy (MeV)

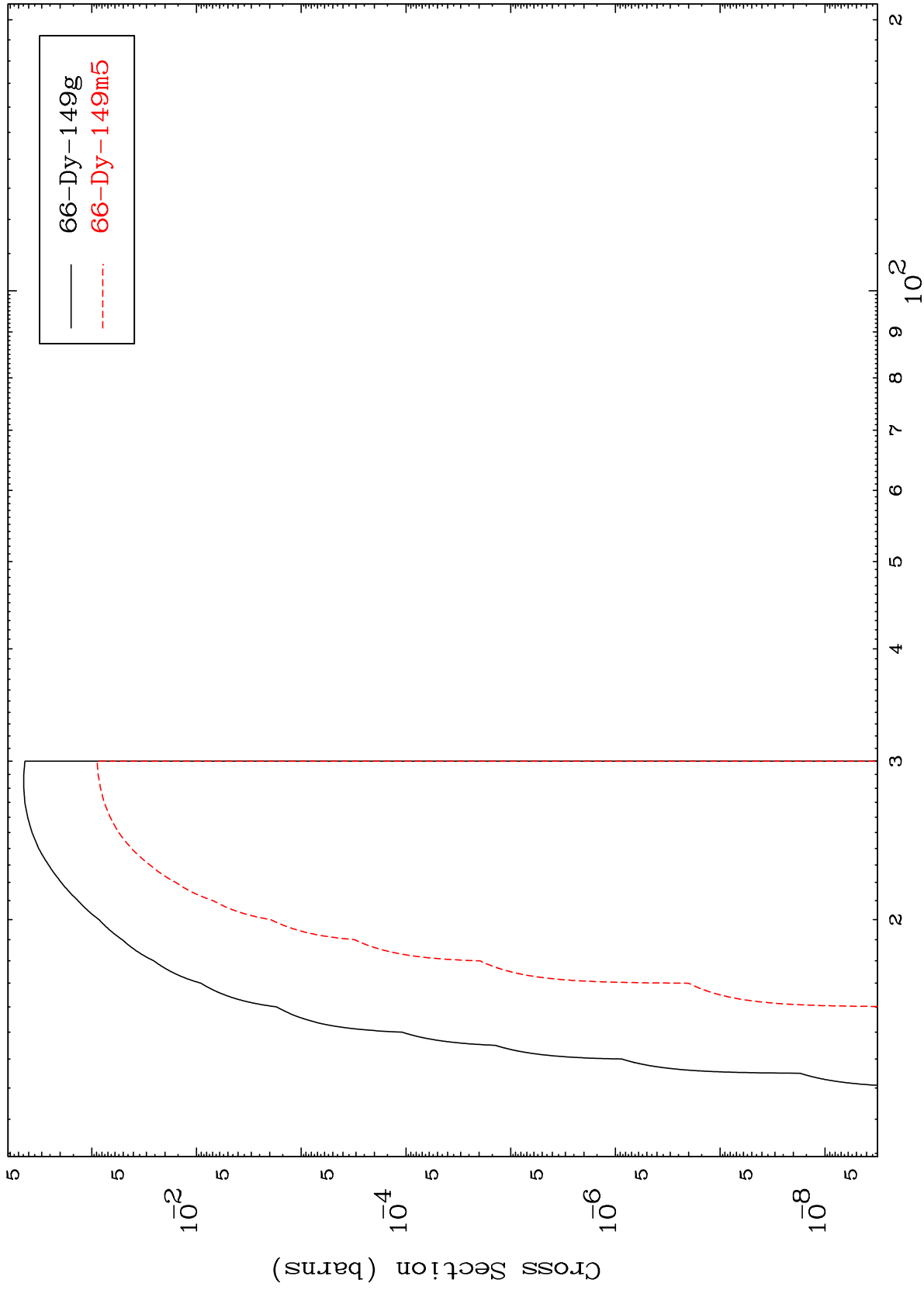
67-Ho-151

MAT 6683

(n,2n) p

67-Ho-151

Radionuclide Production Cross Section



123

Incident Energy (MeV)

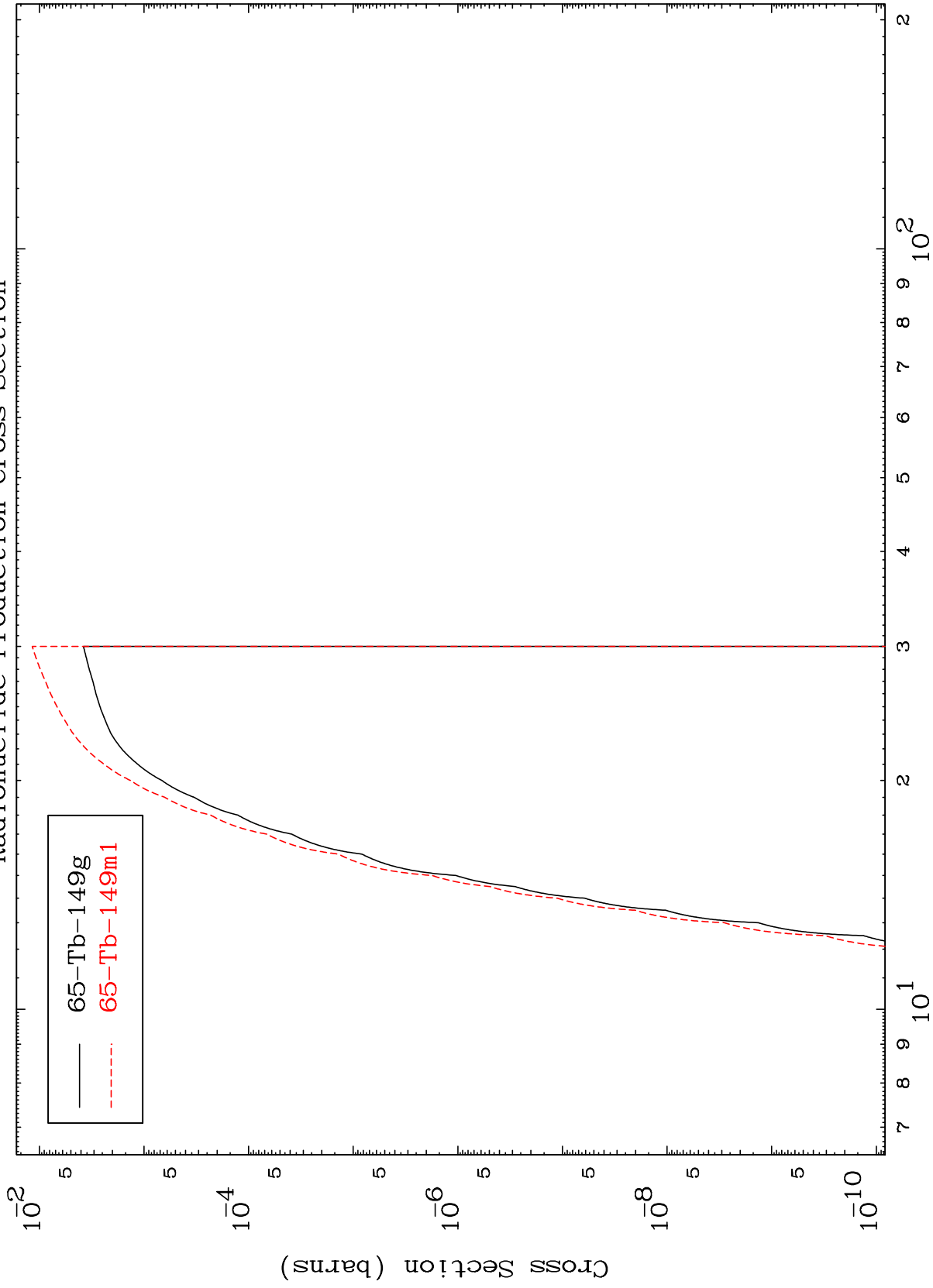
67-Ho-151

MAT 6683

(n,2n) p

67-Ho-151

Radionuclide Production Cross Section



124

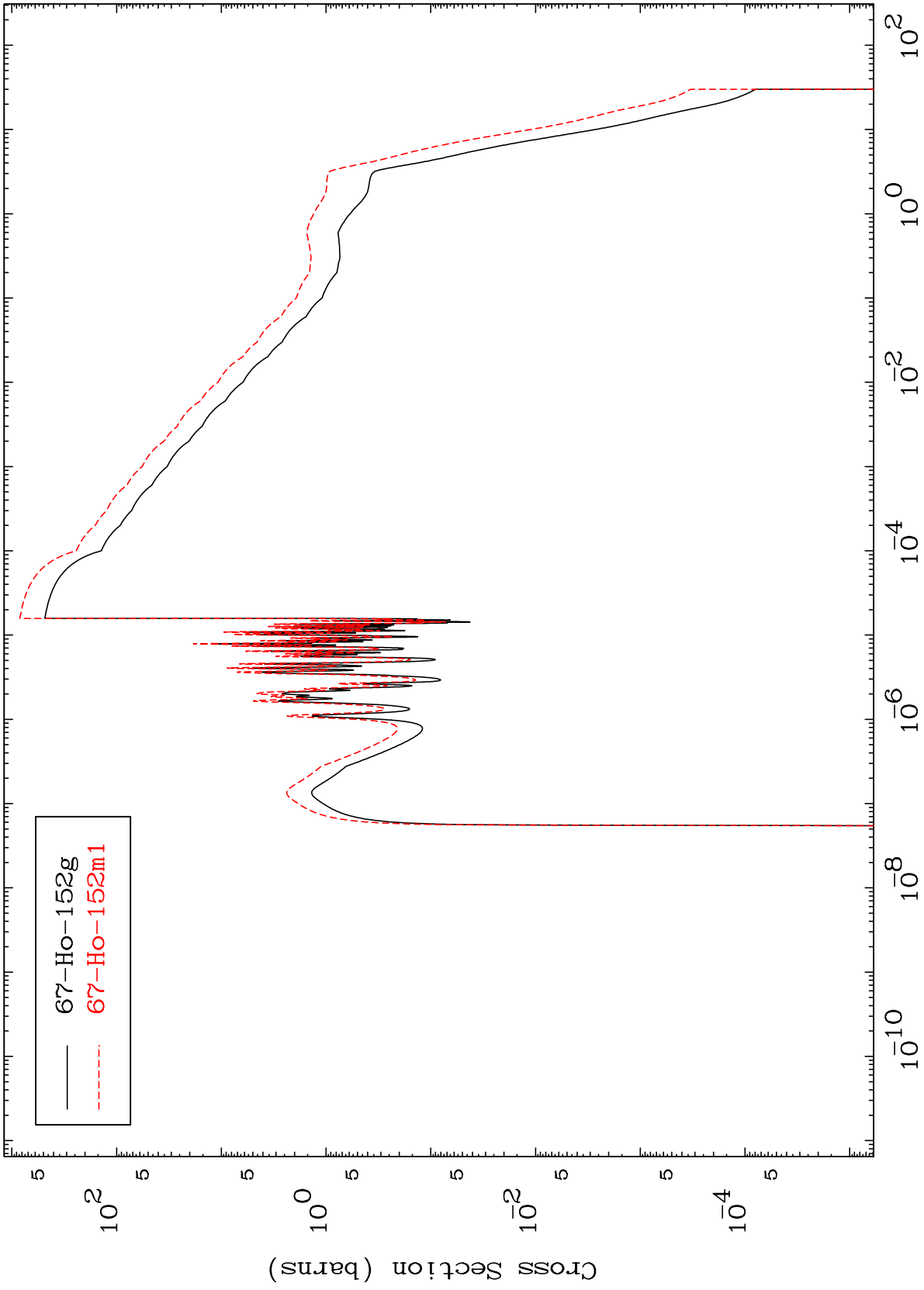
Incident Energy (MeV)

67-Ho-151

MAT 6683

67-Ho-151

Radionuclide Production Cross Section (n,γ)



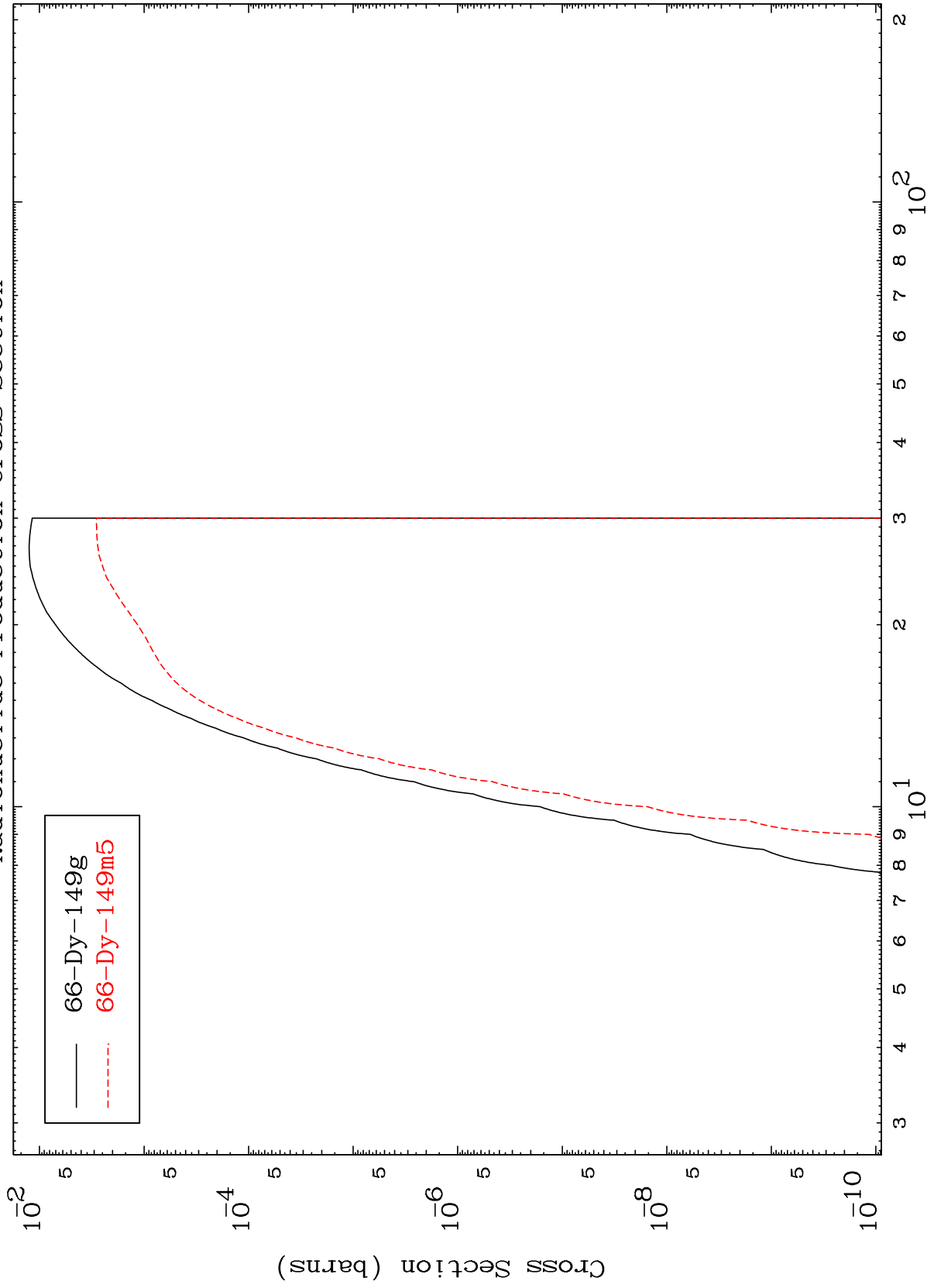
125

67-Ho-151

MAT 6683

67-Ho-151

(n, t)
Radionuclide Production Cross Section



126

Incident Energy (MeV)

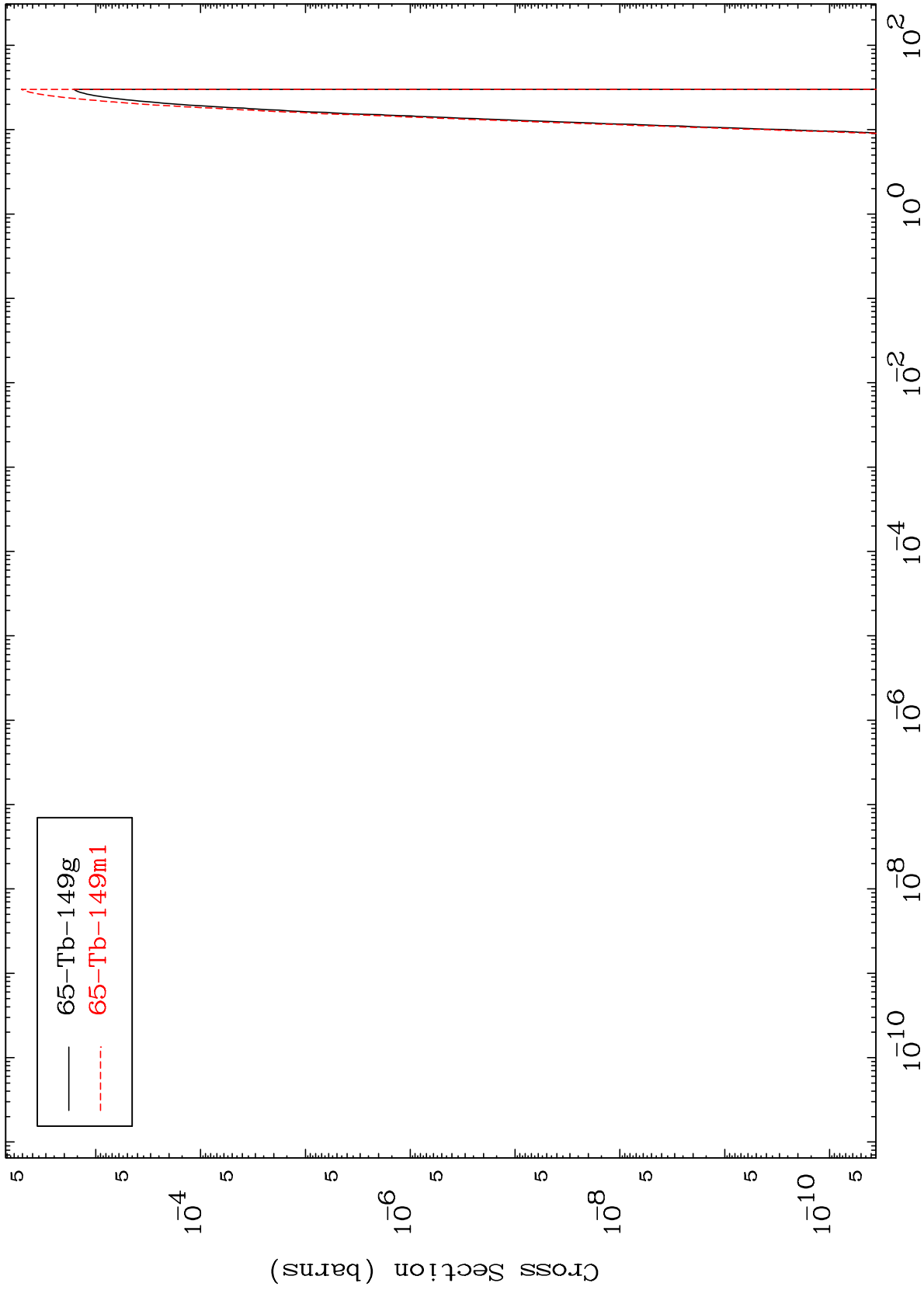
67-Ho-151

MAT 6683

(n, He-3)

67-Ho-151

Radionuclide Production Cross Section



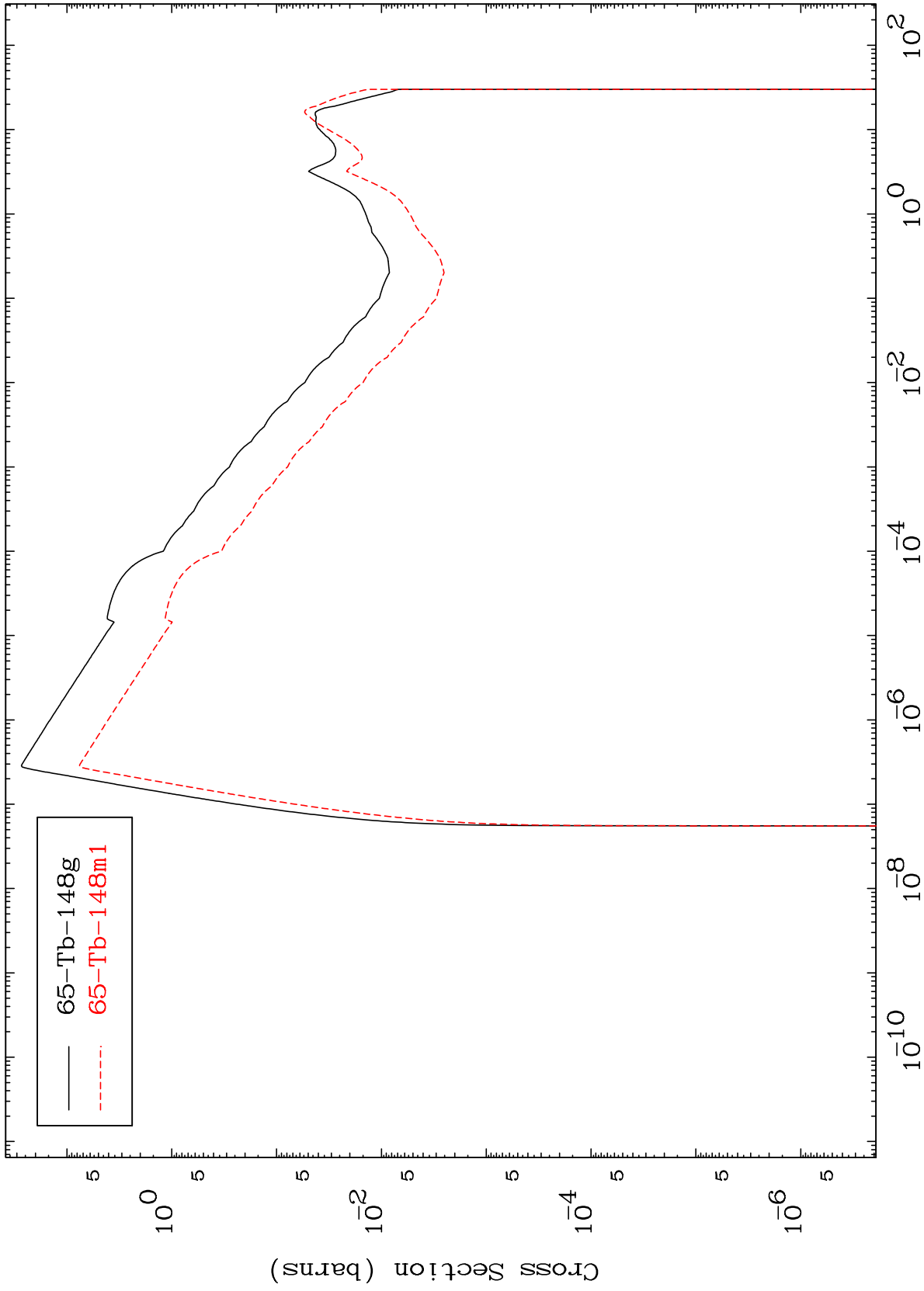
65-Tb-149g
65-Tb-149m1

MAT 6683

(n, α)

67-Ho-151

Radionuclide Production Cross Section



128

Incident Energy (MeV)

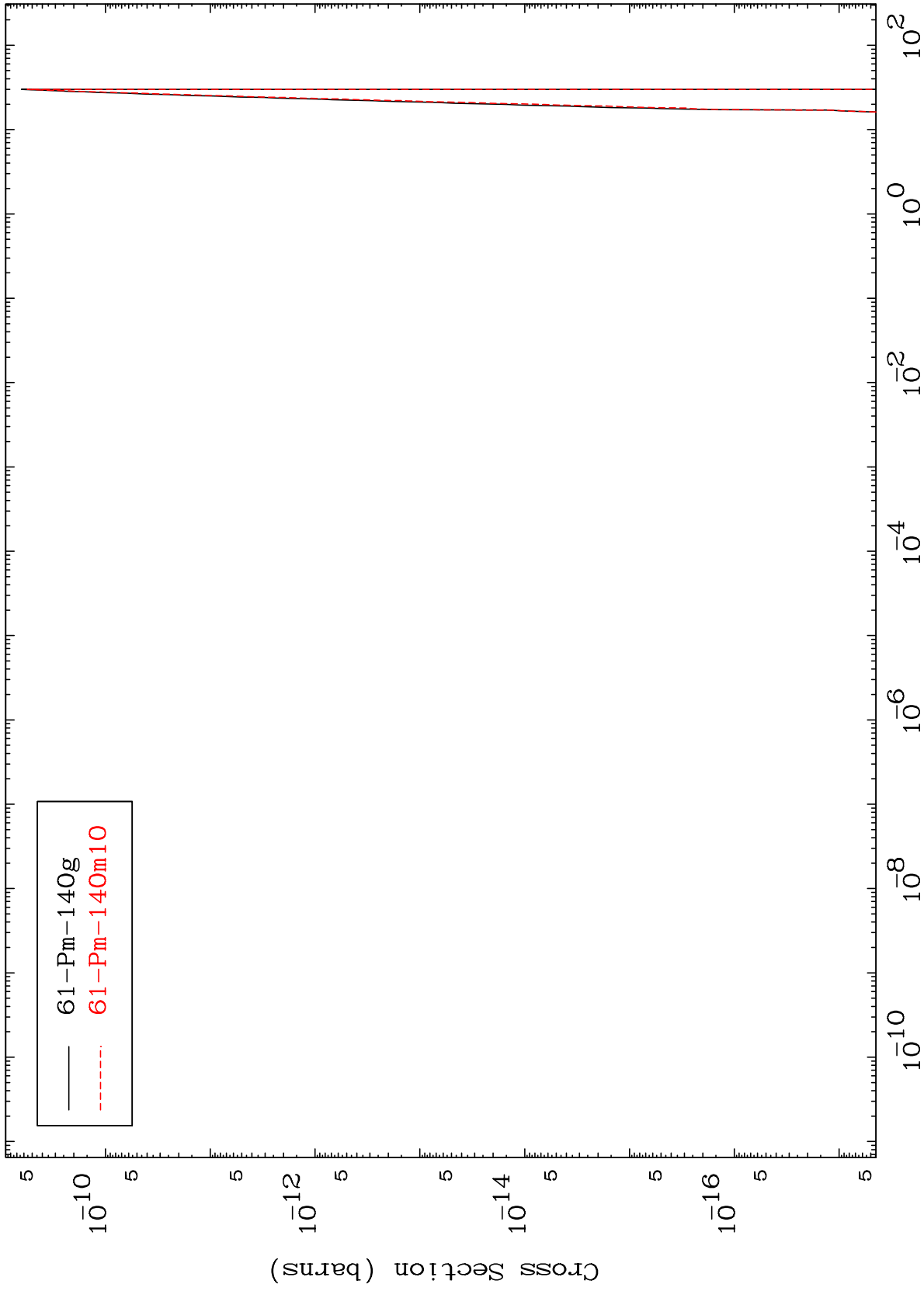
67-Ho-151

MAT 6683

(n,3α)

67-Ho-151

Radionuclide Production Cross Section



129

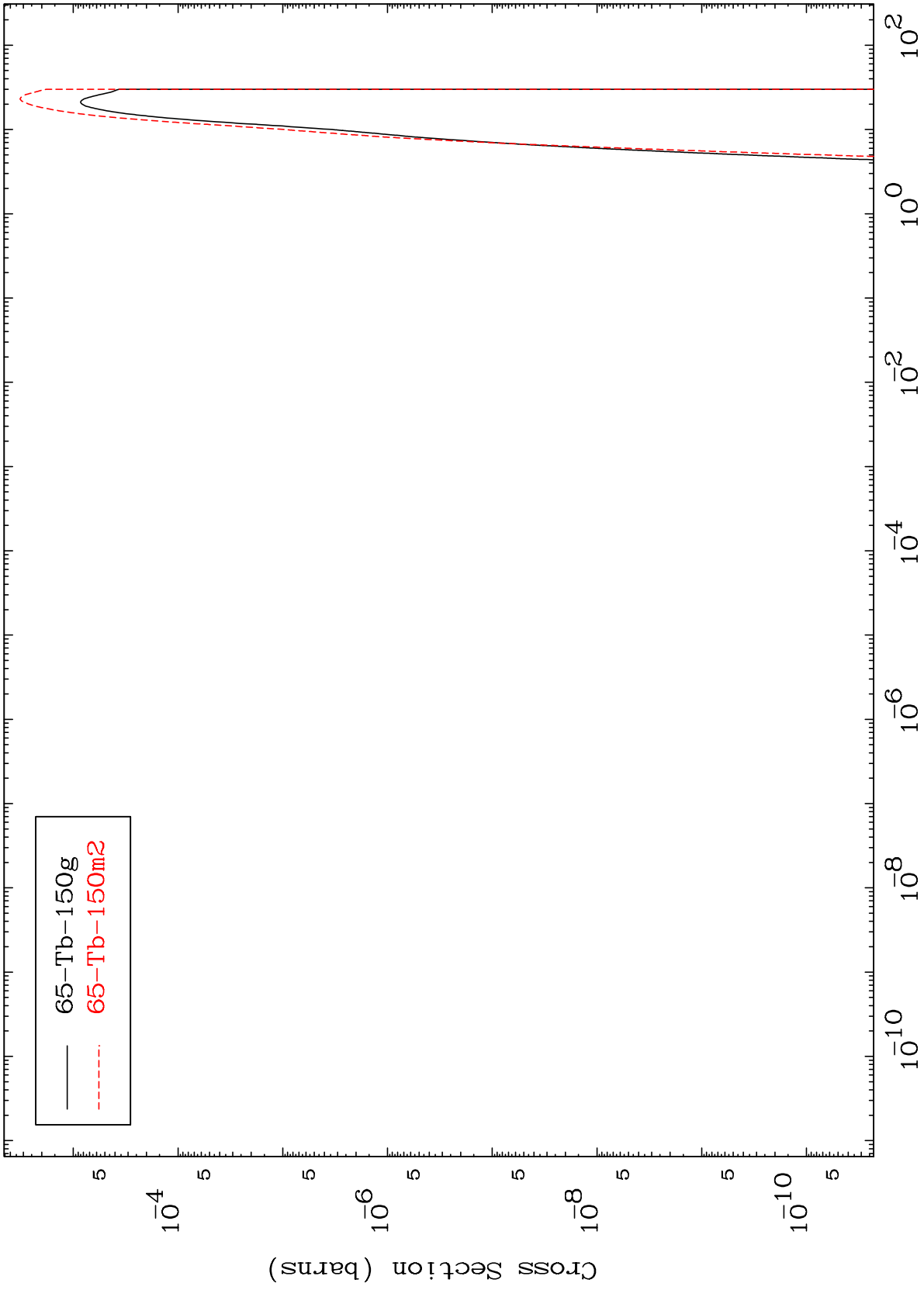
Incident Energy (MeV)

67-Ho-151

MAT 6683

(n,2p)
Radionuclide Production Cross Section

67-Ho-151



130

Incident Energy (MeV)

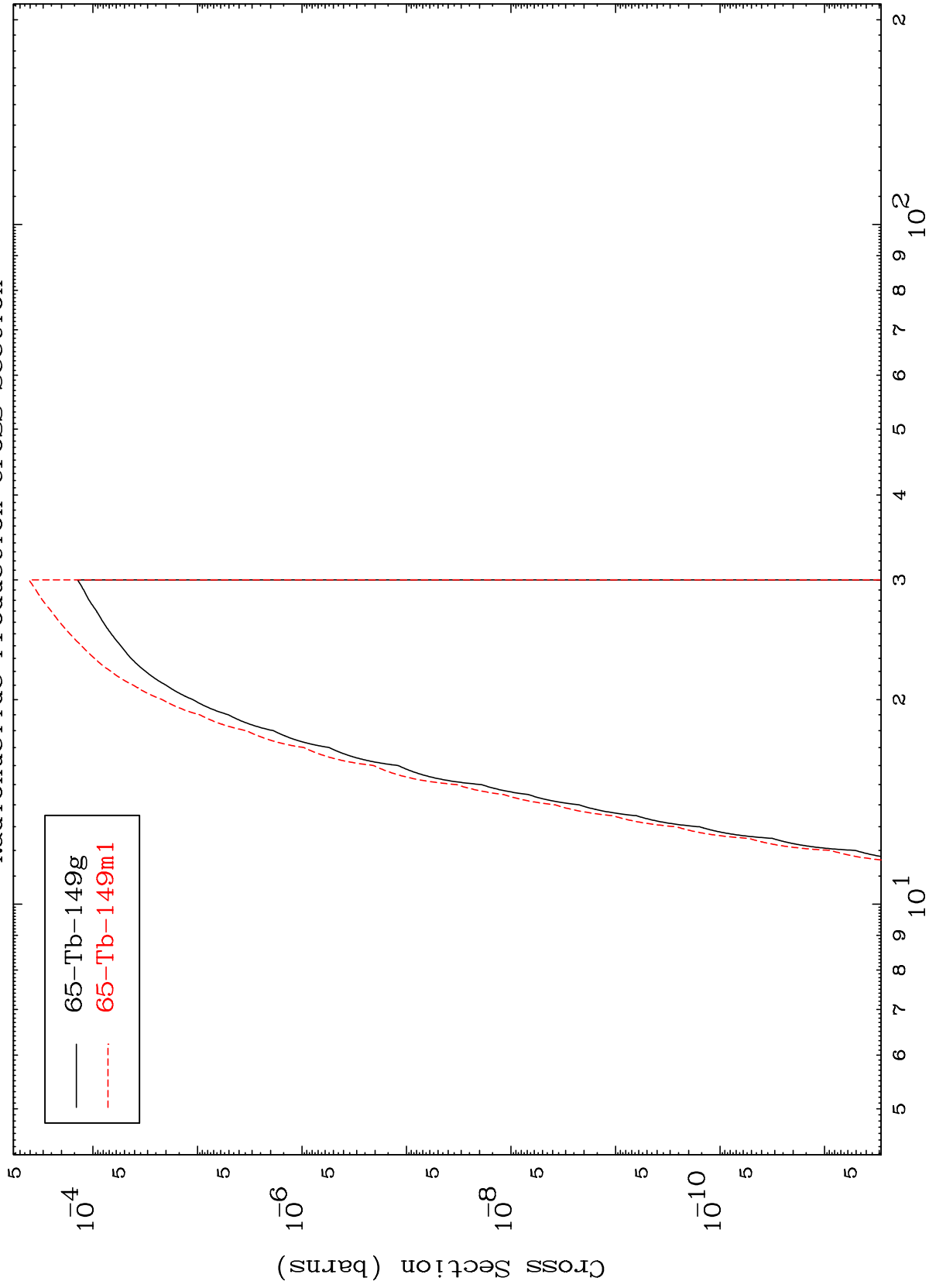
67-Ho-151

MAT 6683

(n,p) d

67-Ho-151

Radionuclide Production Cross Section



131

Incident Energy (MeV)

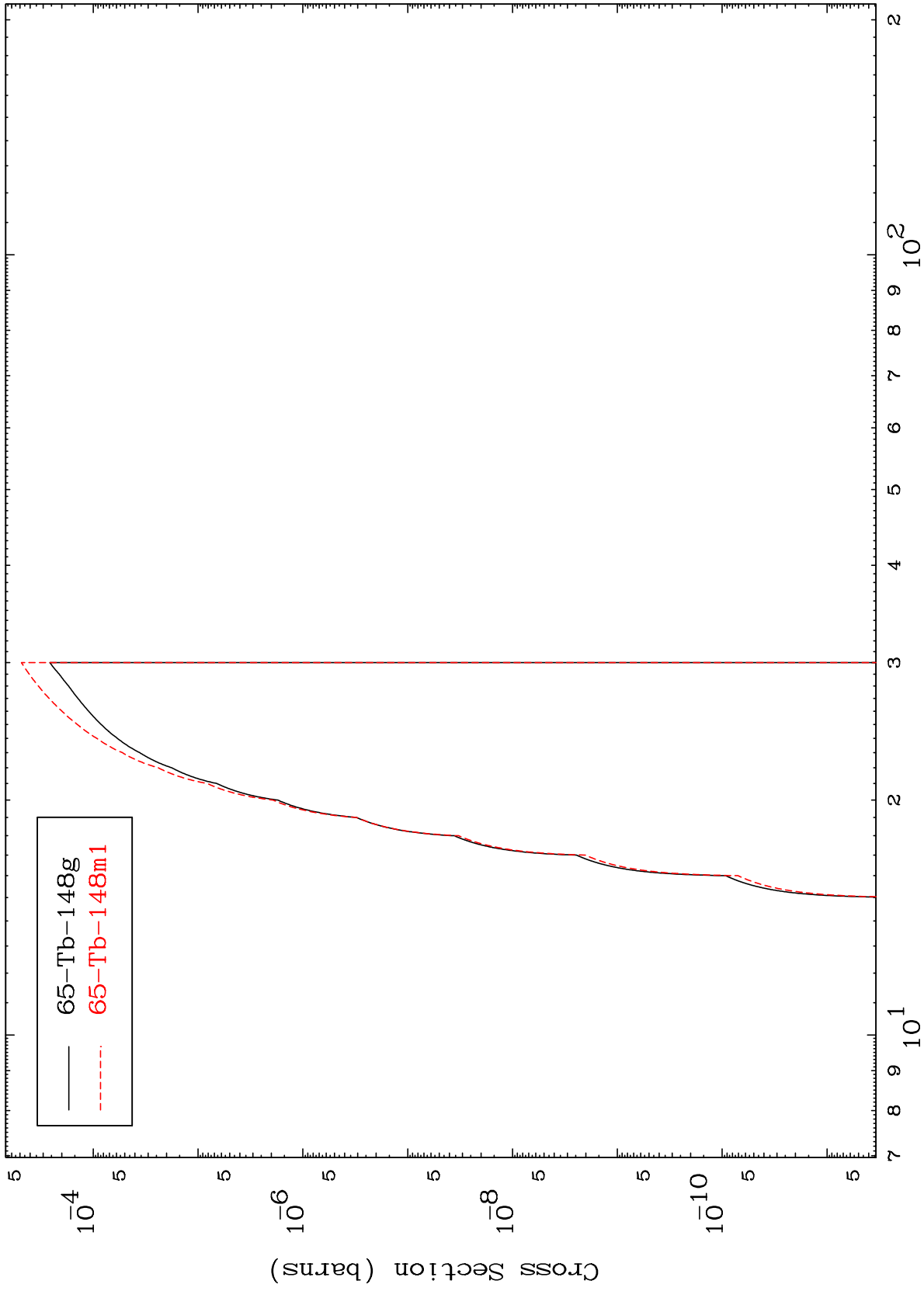
67-Ho-151

MAT 6683

(n,p) t

67-Ho-151

Radionuclide Production Cross Section



132

Incident Energy (MeV)

67-Ho-151