

Program EVALPLOT
(Version 2018-1)

by

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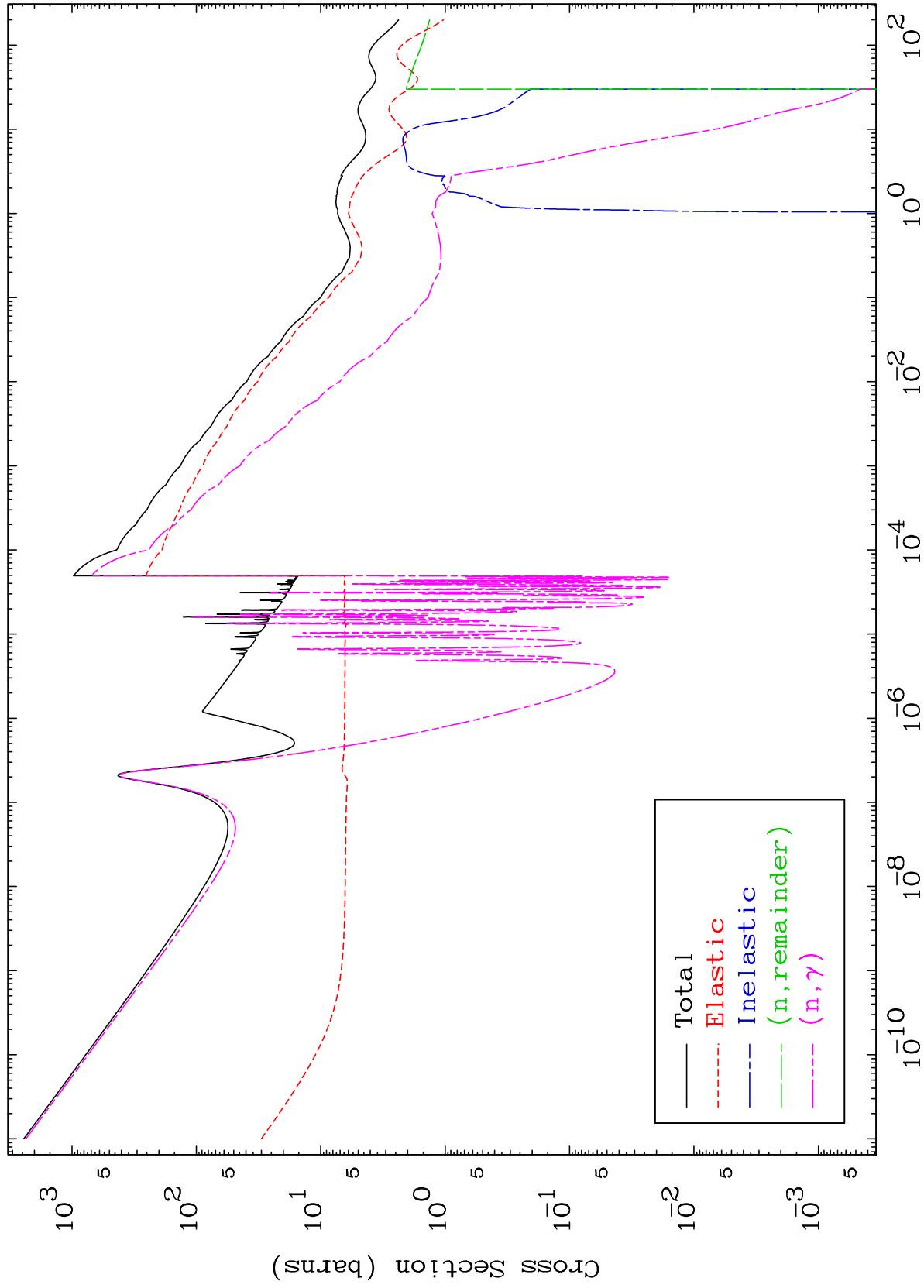
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6604

Major
293 Kelvin Cross Sections

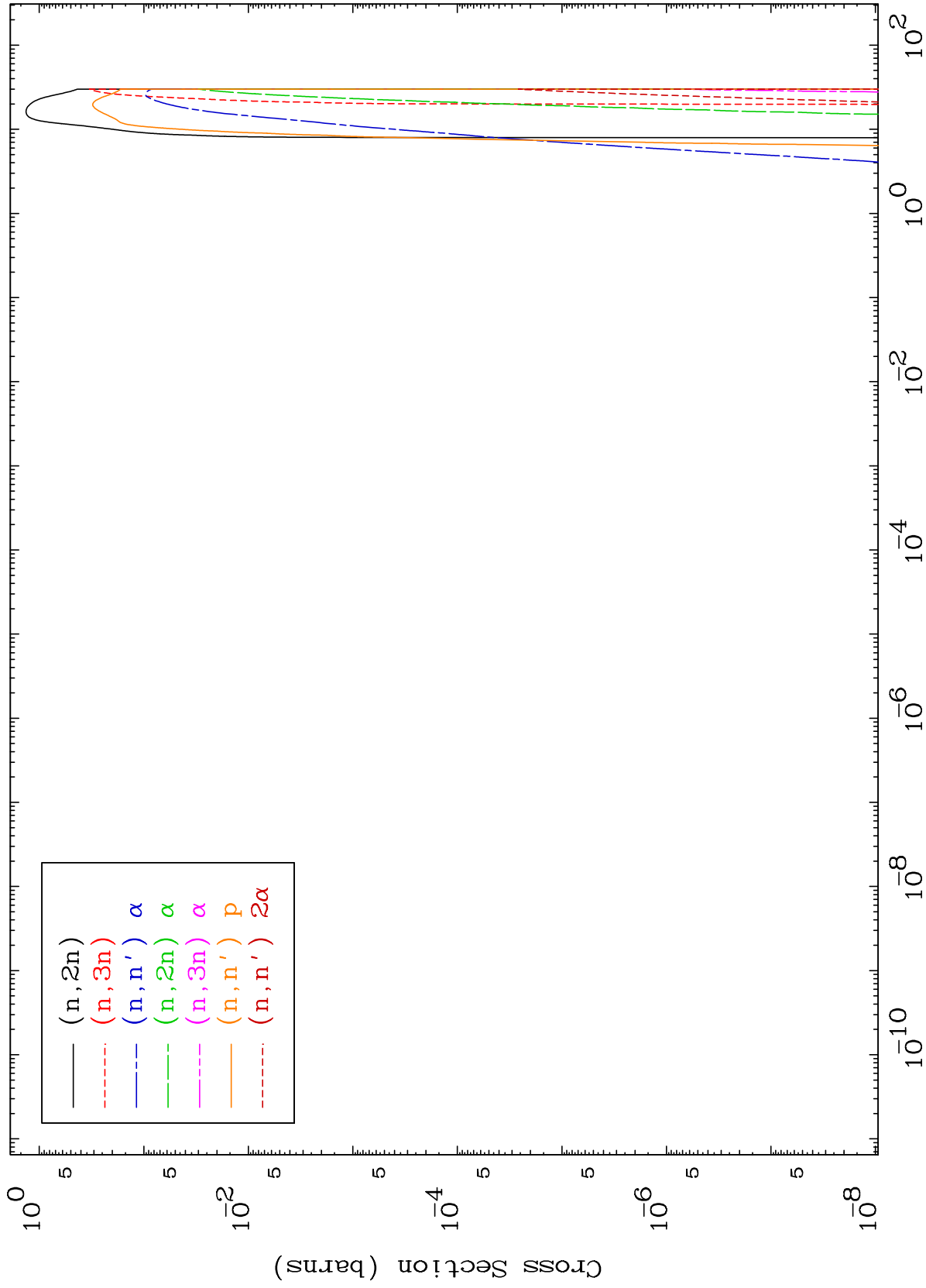
66-Dy-149



MAT 6604

Neutron Production
293 Kelvin Cross Sections

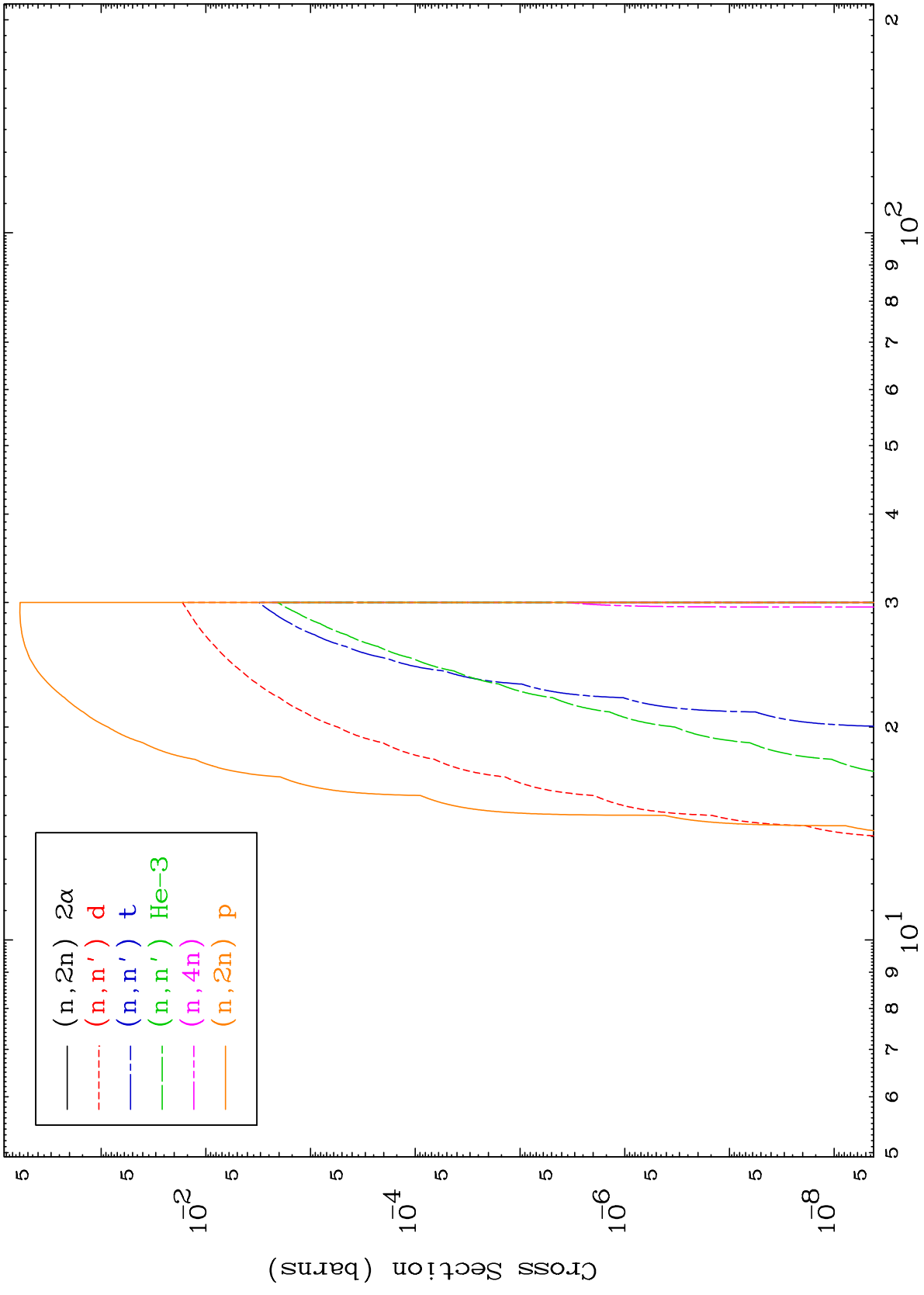
66-Dy-149



2

Incident Energy (MeV)

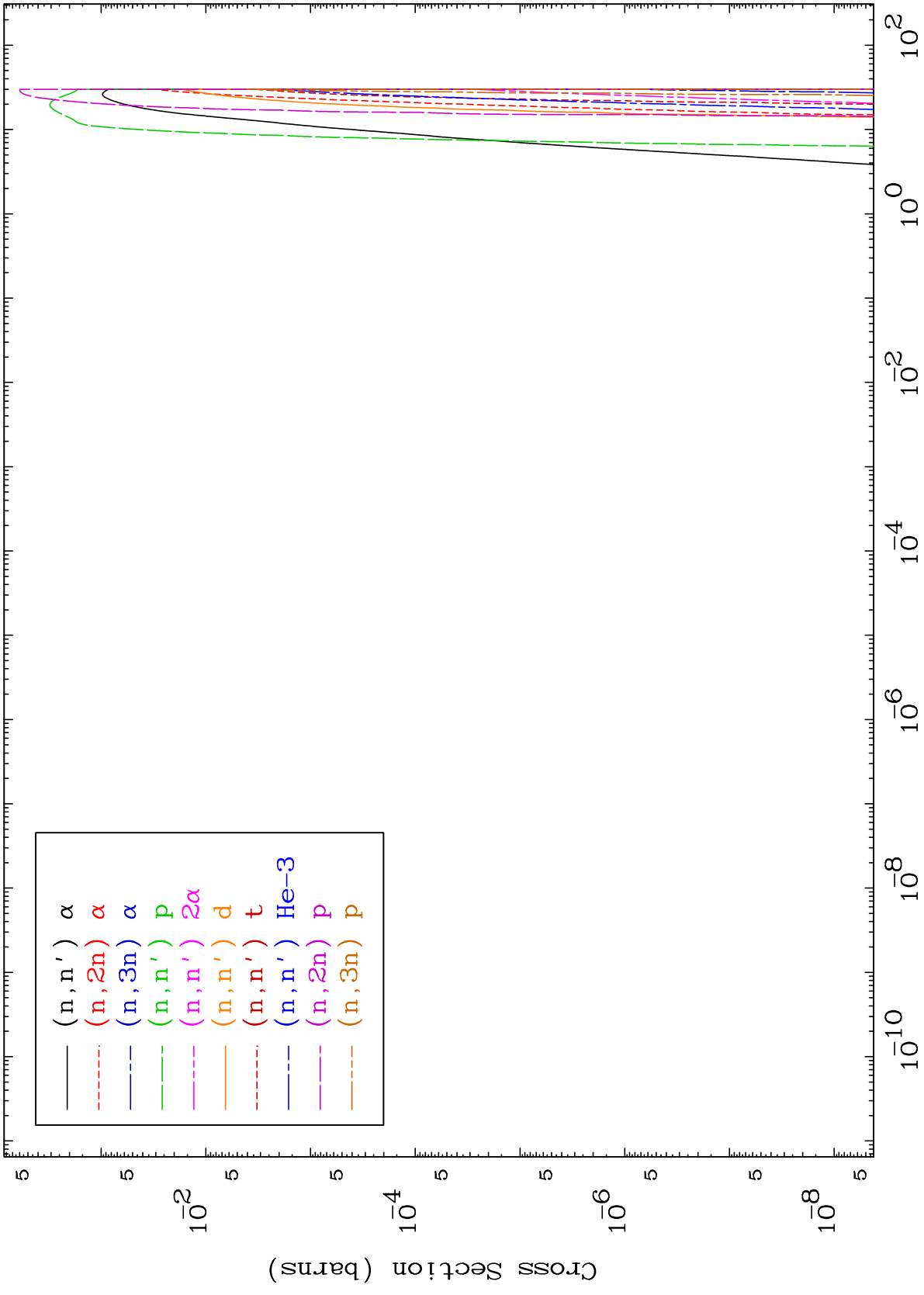
66-Dy-149



MAT 6604

Charged Particle
293 Kelvin Cross Sections

66-Dy-149

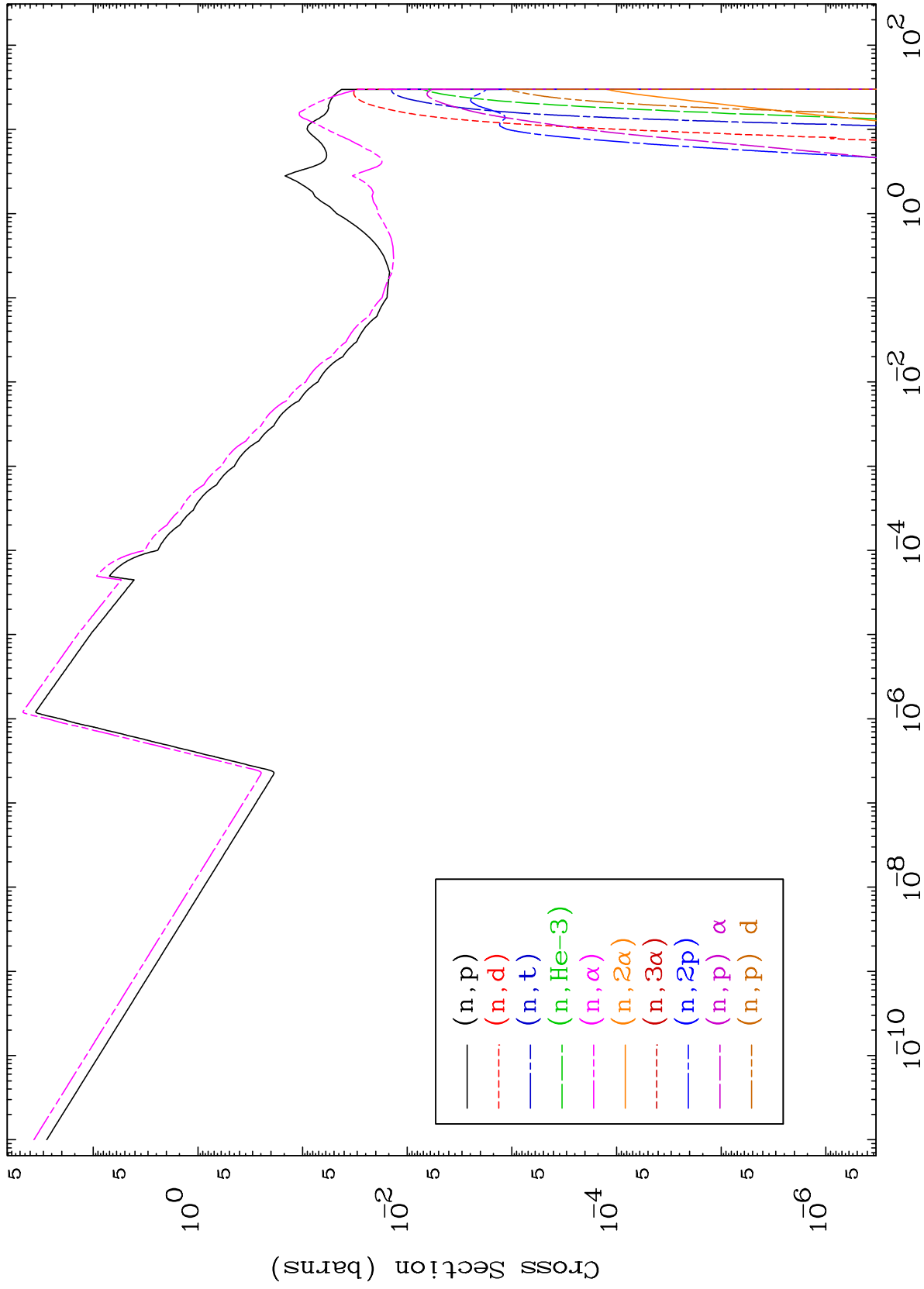


66-Dy-149

MAT 6604

293 Kelvin Cross Sections

66-Dy-149



5

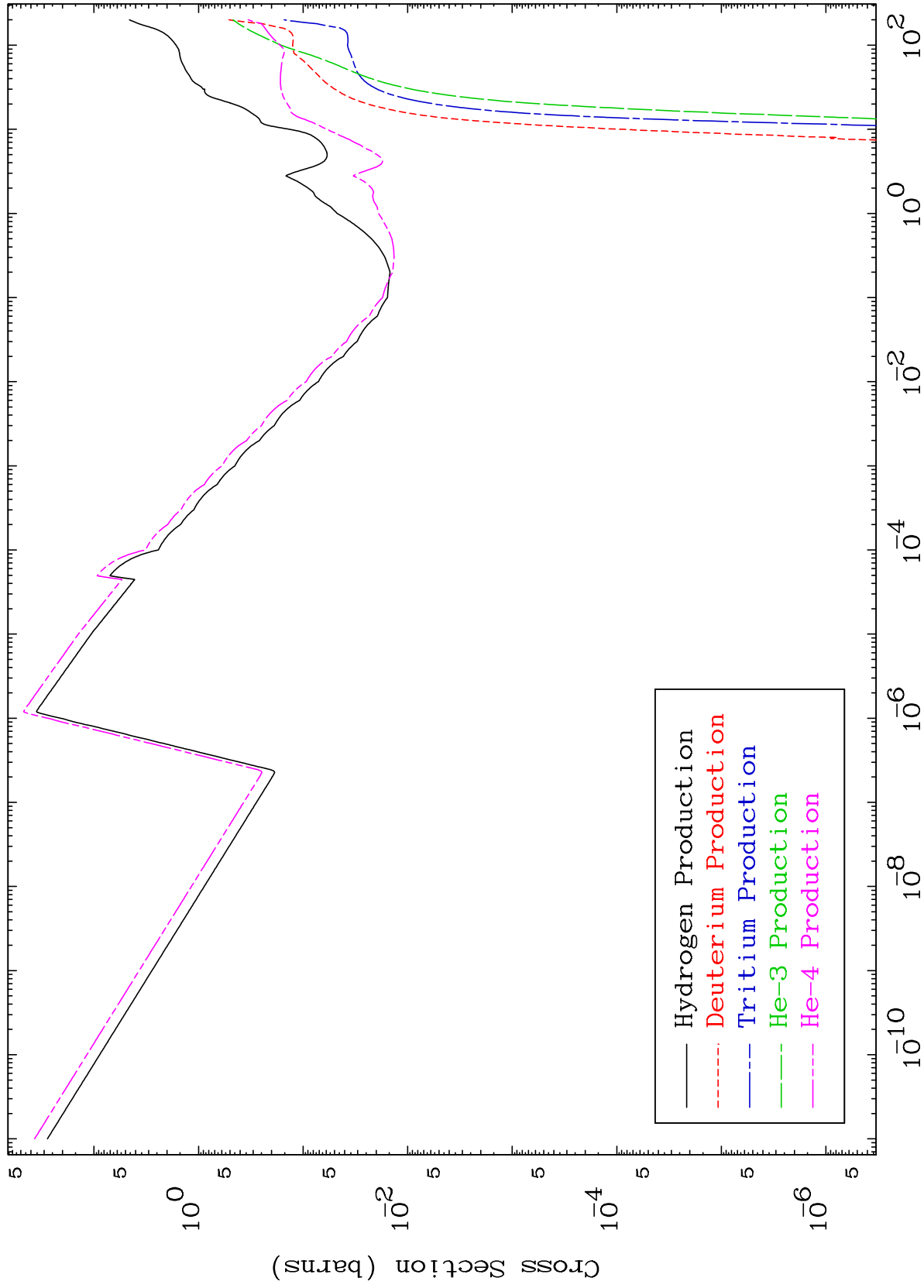
Incident Energy (MeV)

66-Dy-149

MAT 6604

Particle Production
293 Kelvin Cross Sections

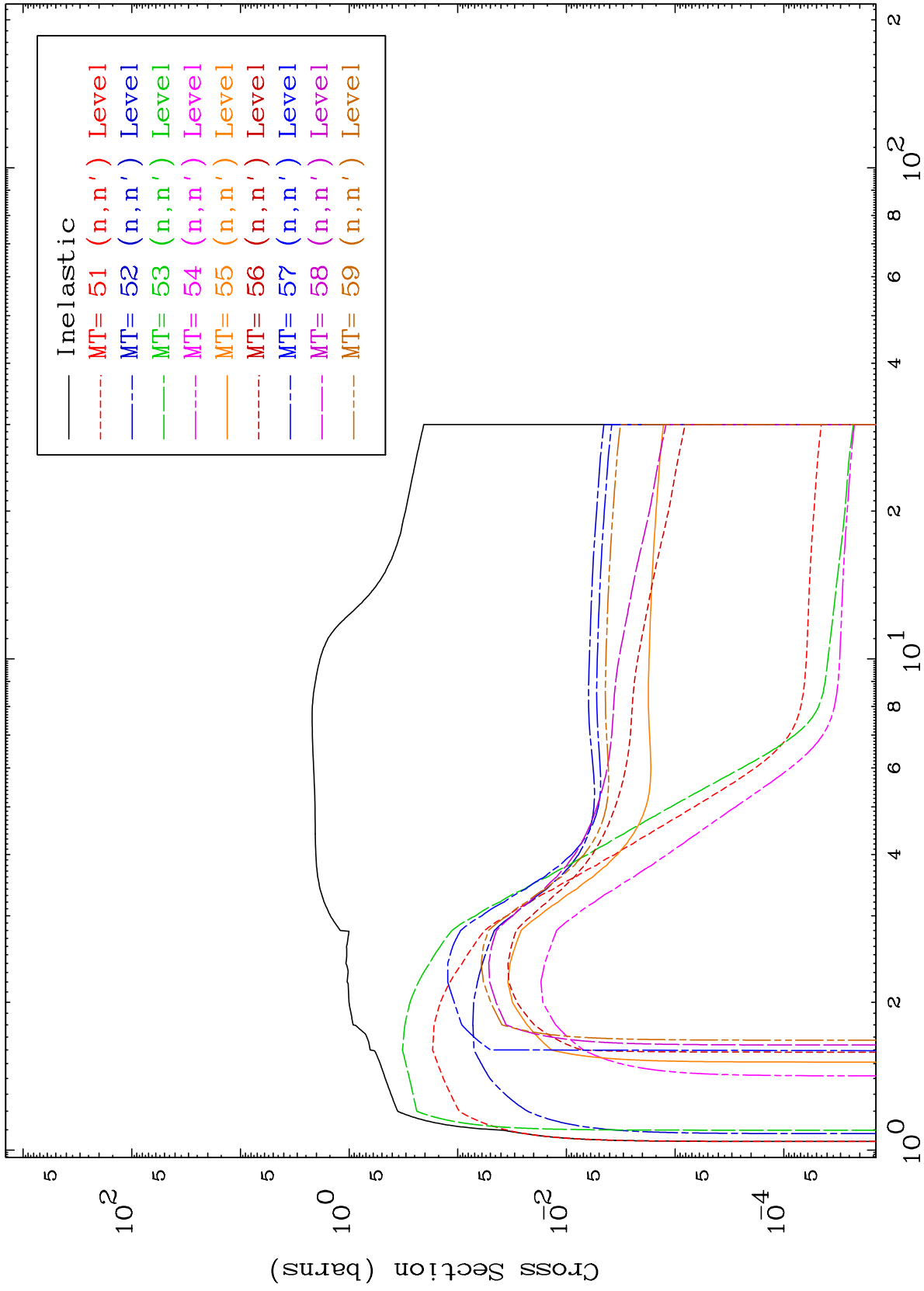
66-Dy-149



MAT 6604

(n,n') Level
293 Kelvin Cross Sections

66-Dy-149



Incident Energy (MeV)

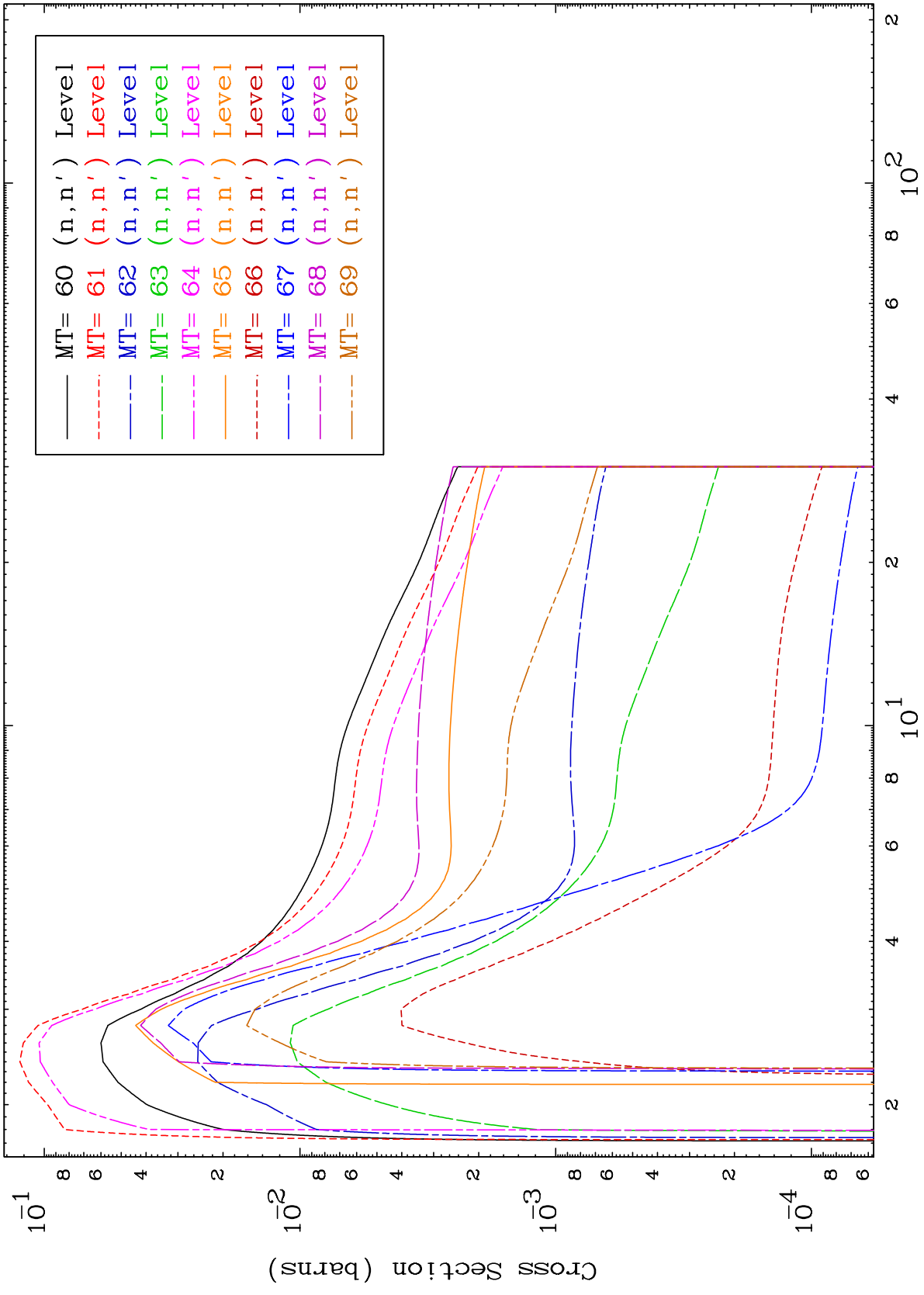
66-Dy-149

MAT 6604

(n,n') Level

66-Dy-149

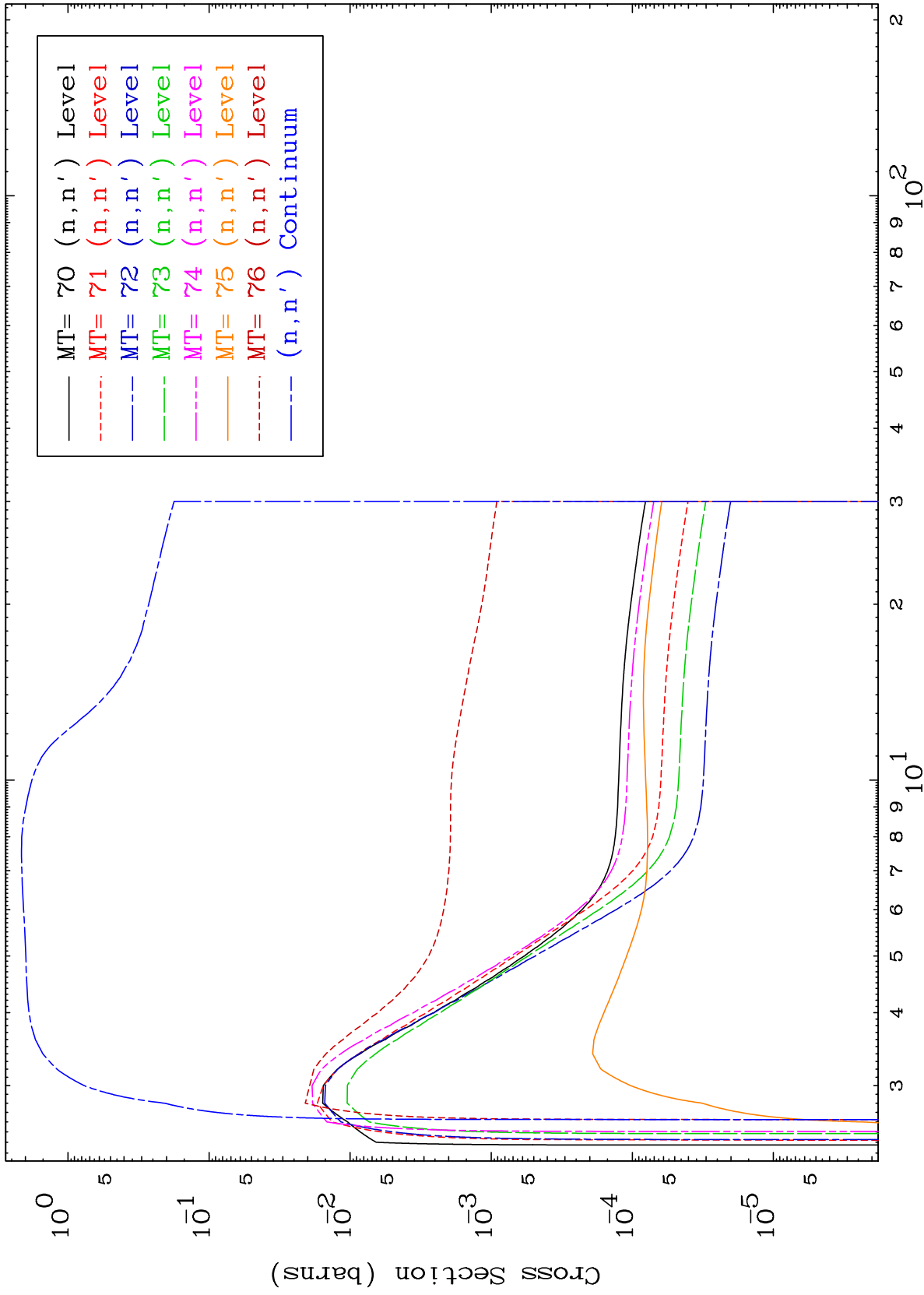
293 Kelvin Cross Sections



8

Incident Energy (MeV)

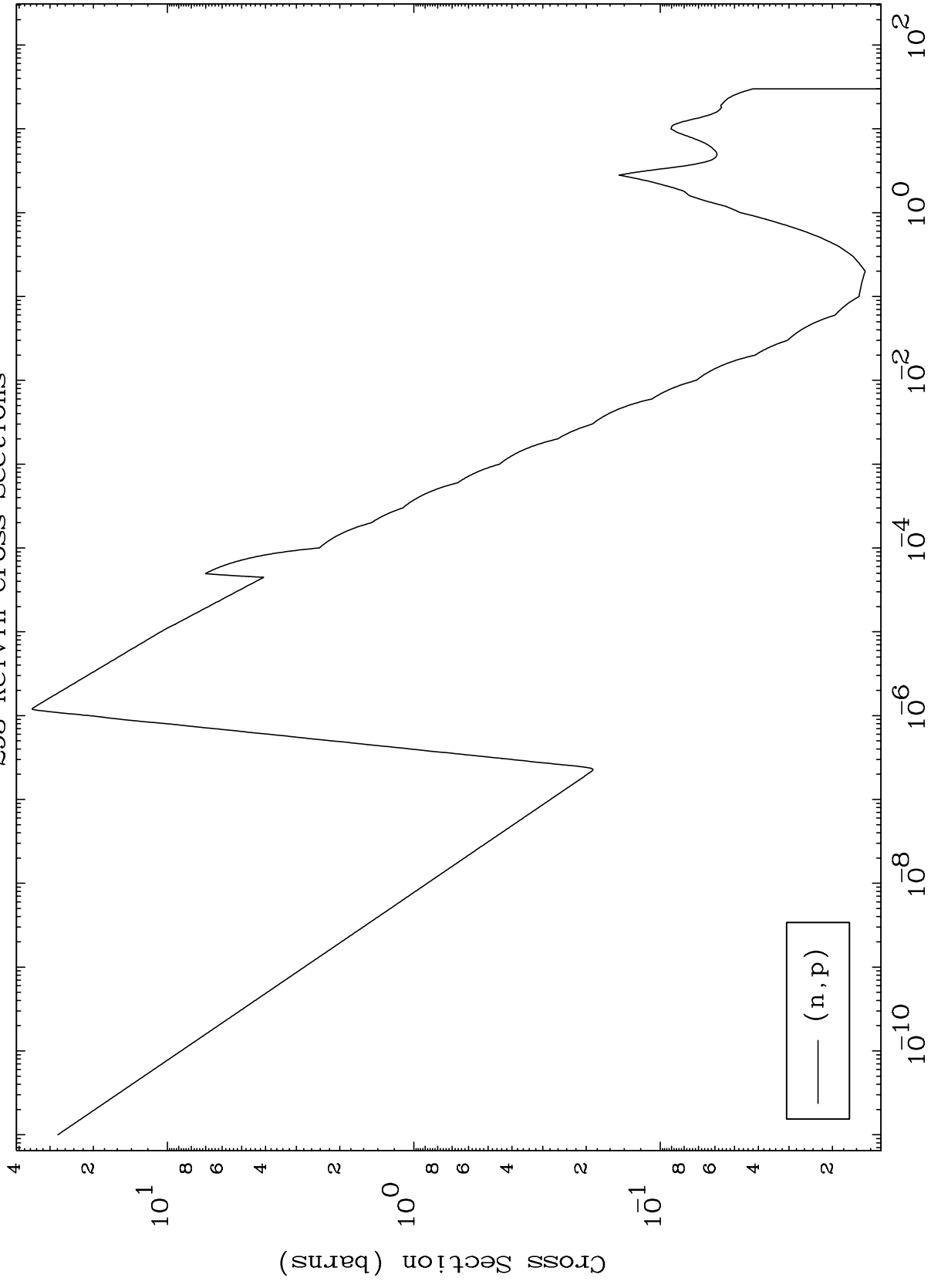
66-Dy-149



MAT 6604

(n,p) Levels
293 Kelvin Cross Sections

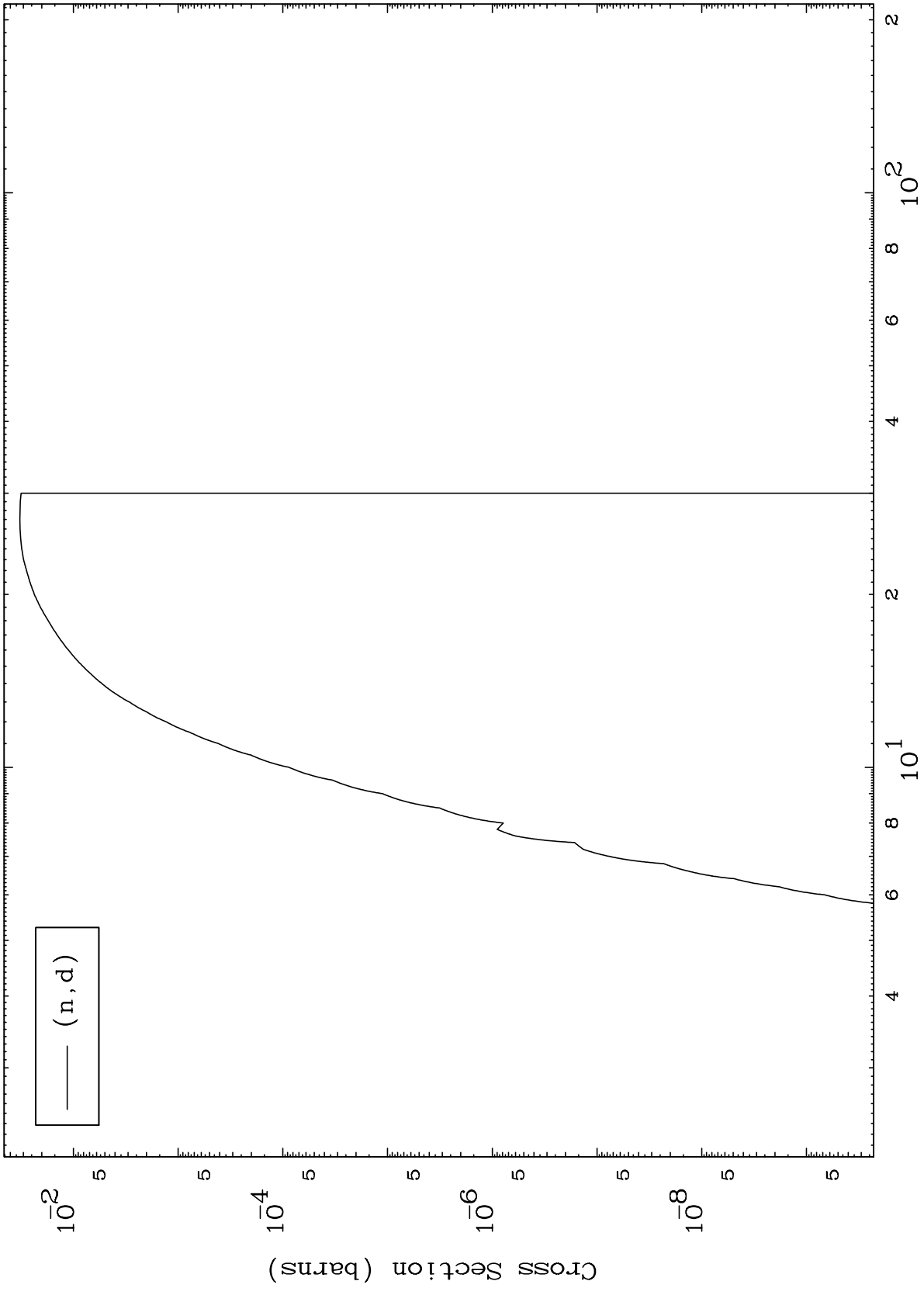
66-Dy-149



10

Incident Energy (MeV)

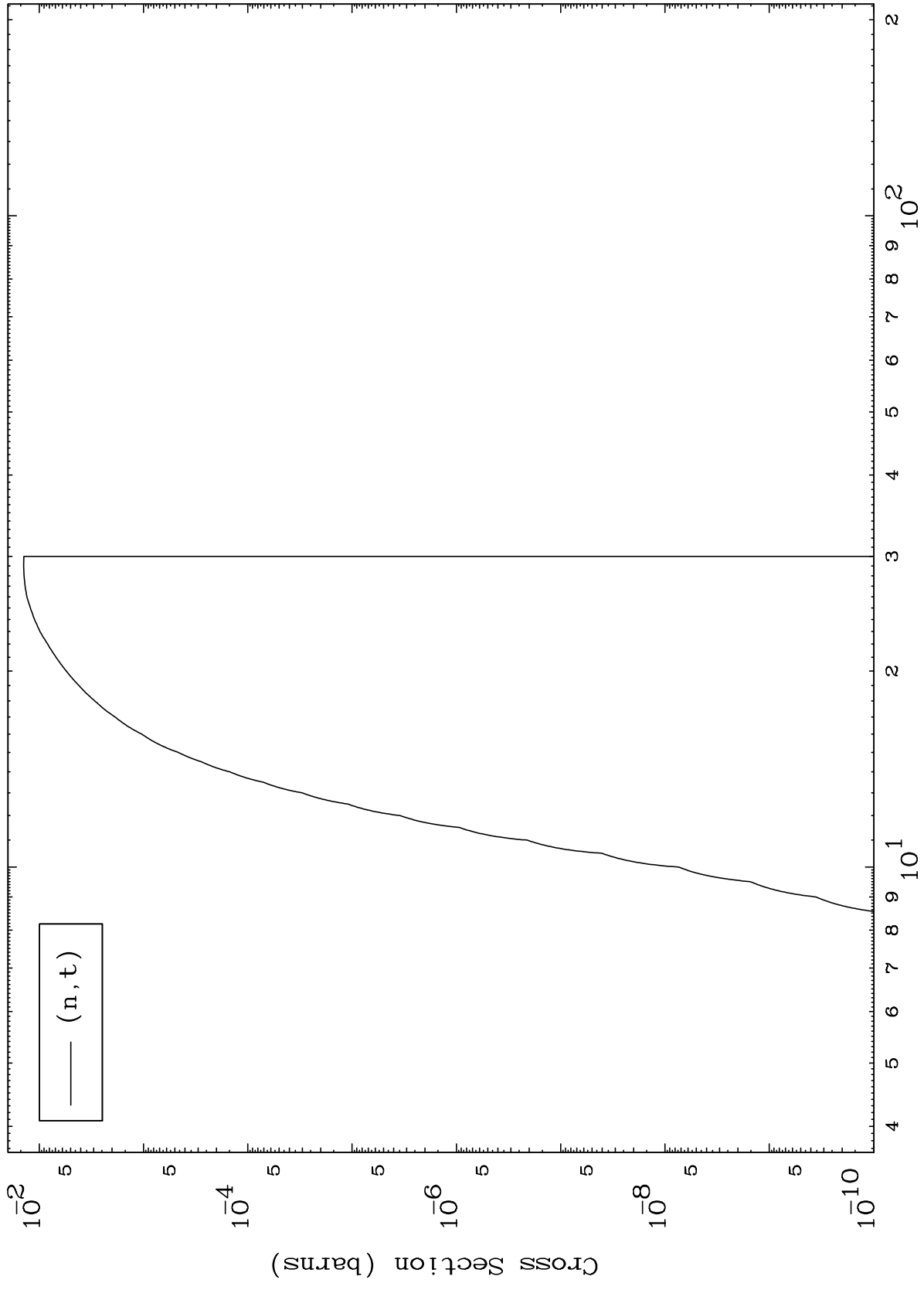
66-Dy-149



MAT 6604

(n,t) Levels
293 Kelvin Cross Sections

66-Dy-149



12

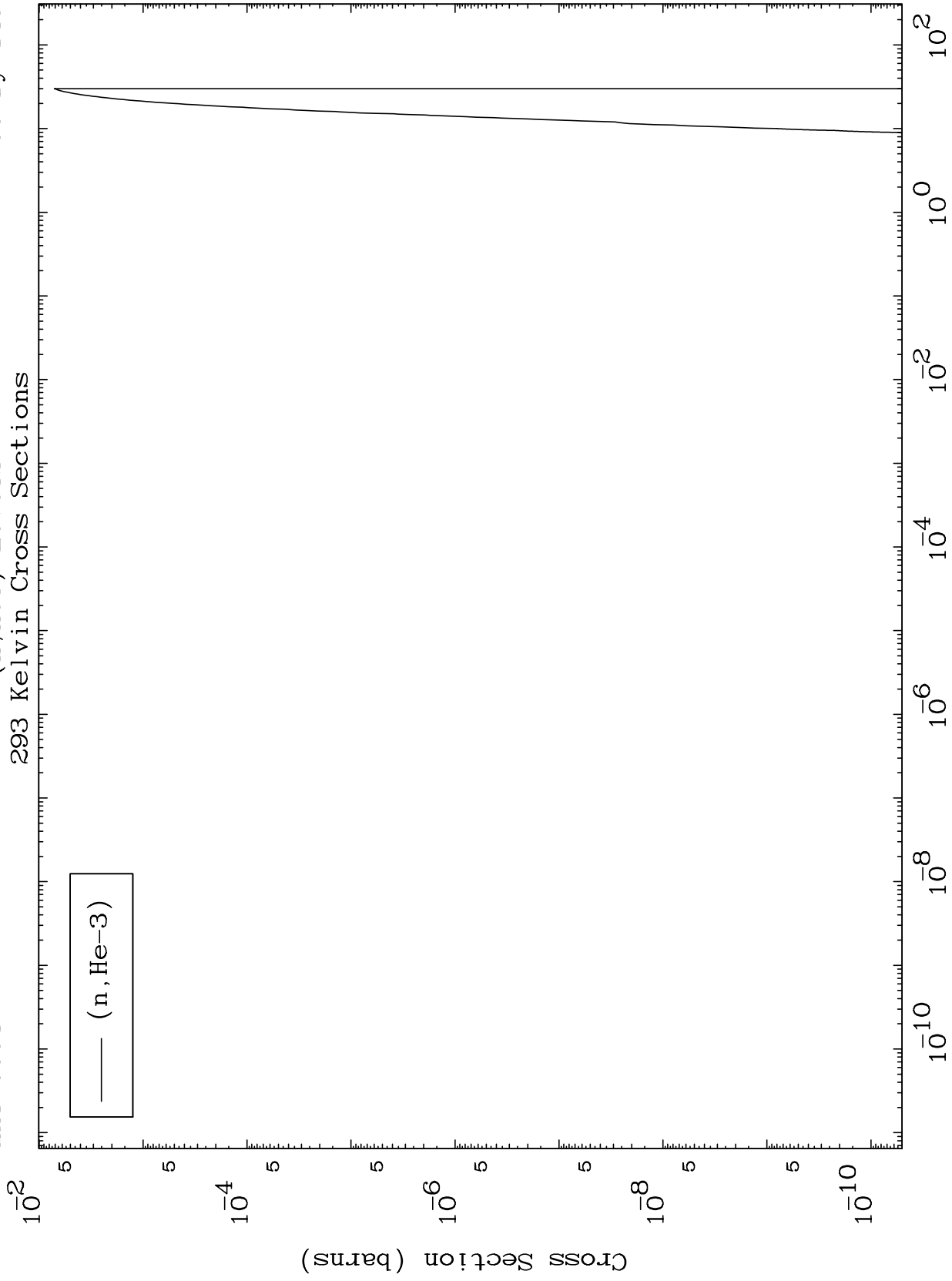
Incident Energy (MeV)

66-Dy-149

MAT 6604

(n,He3) Levels
293 Kelvin Cross Sections

66-Dy-149



13

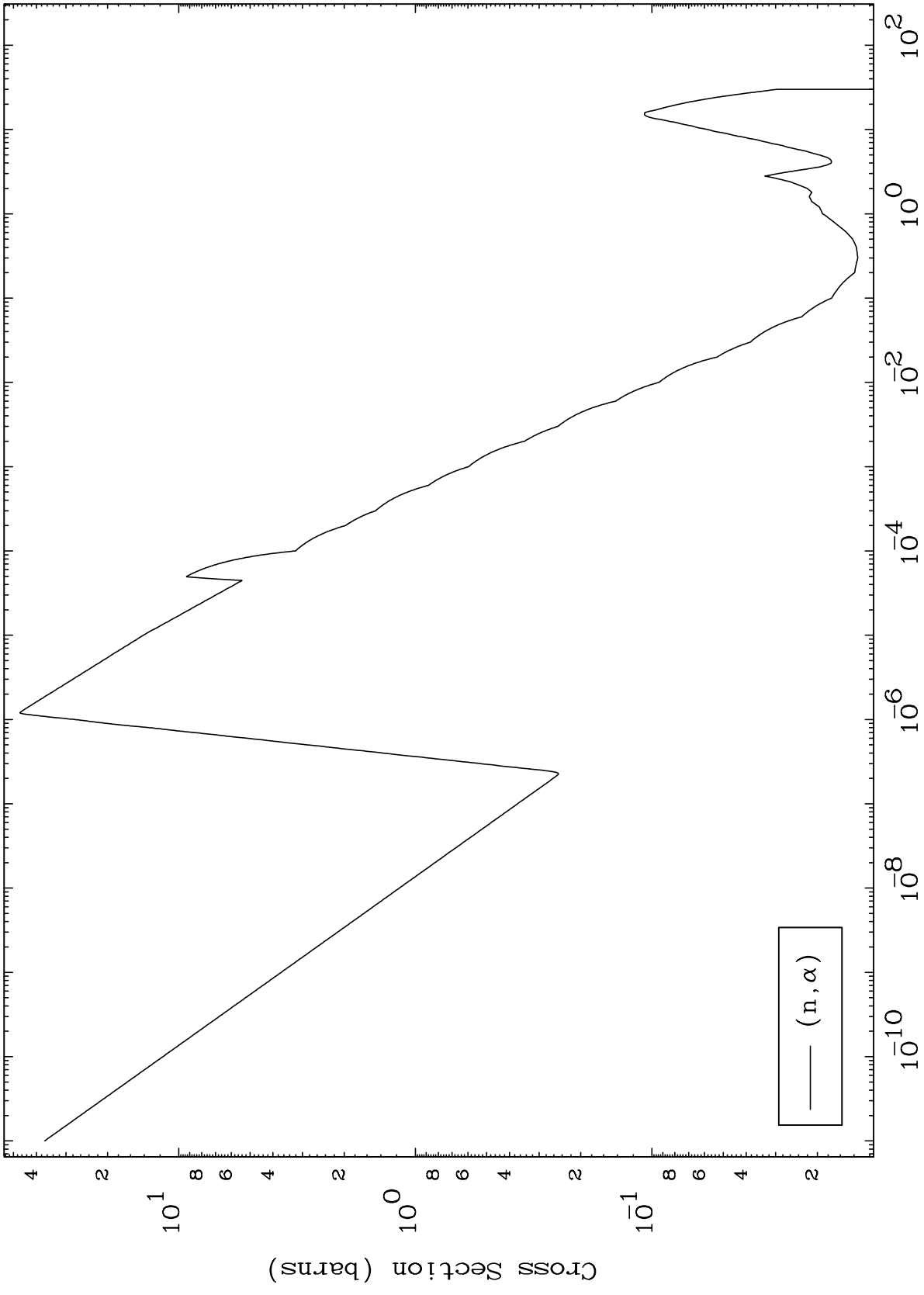
Incident Energy (MeV)

66-Dy-149

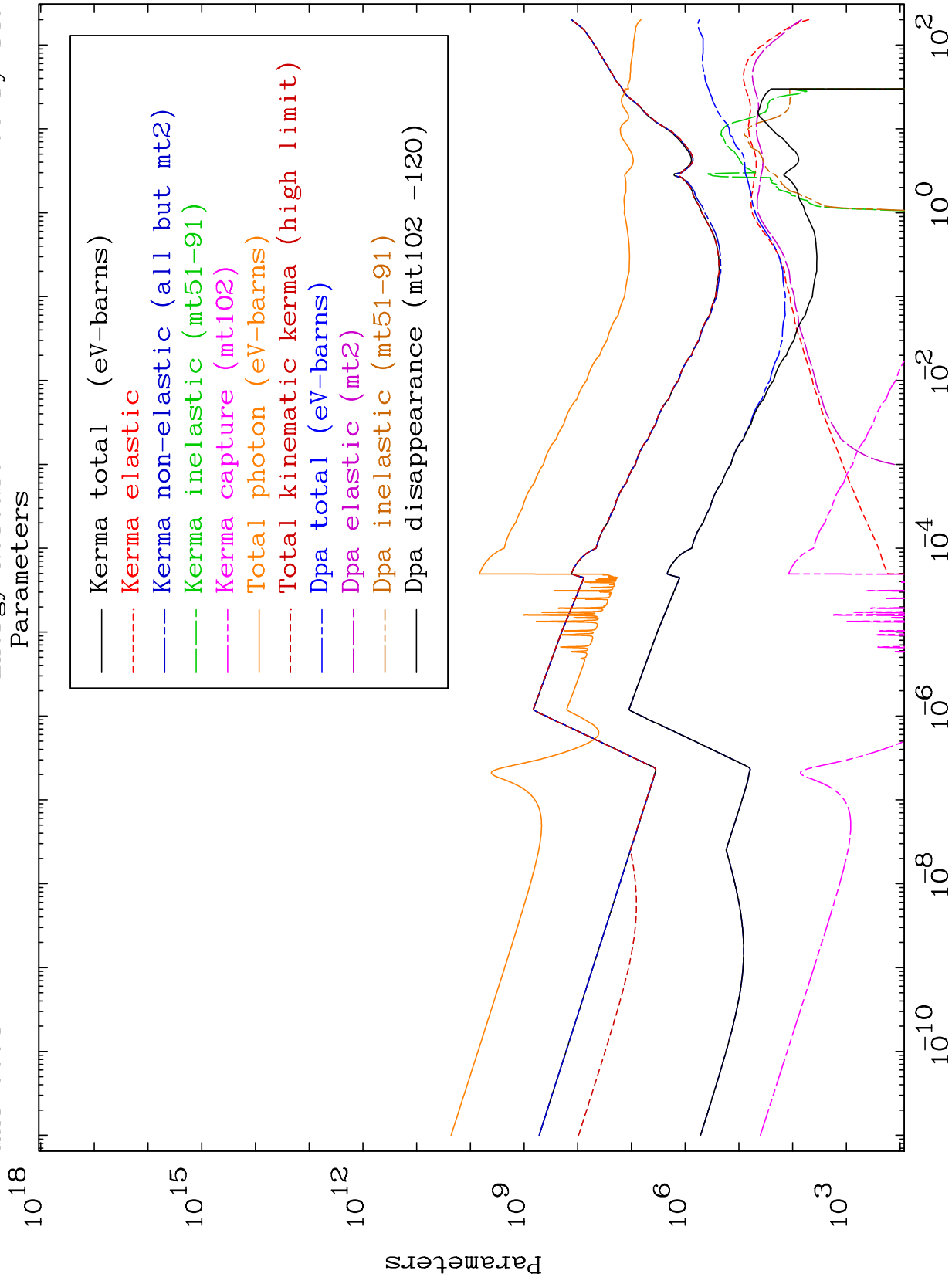
MAT 6604

(n, α) Levels
293 Kelvin Cross Sections

66-Dy-149



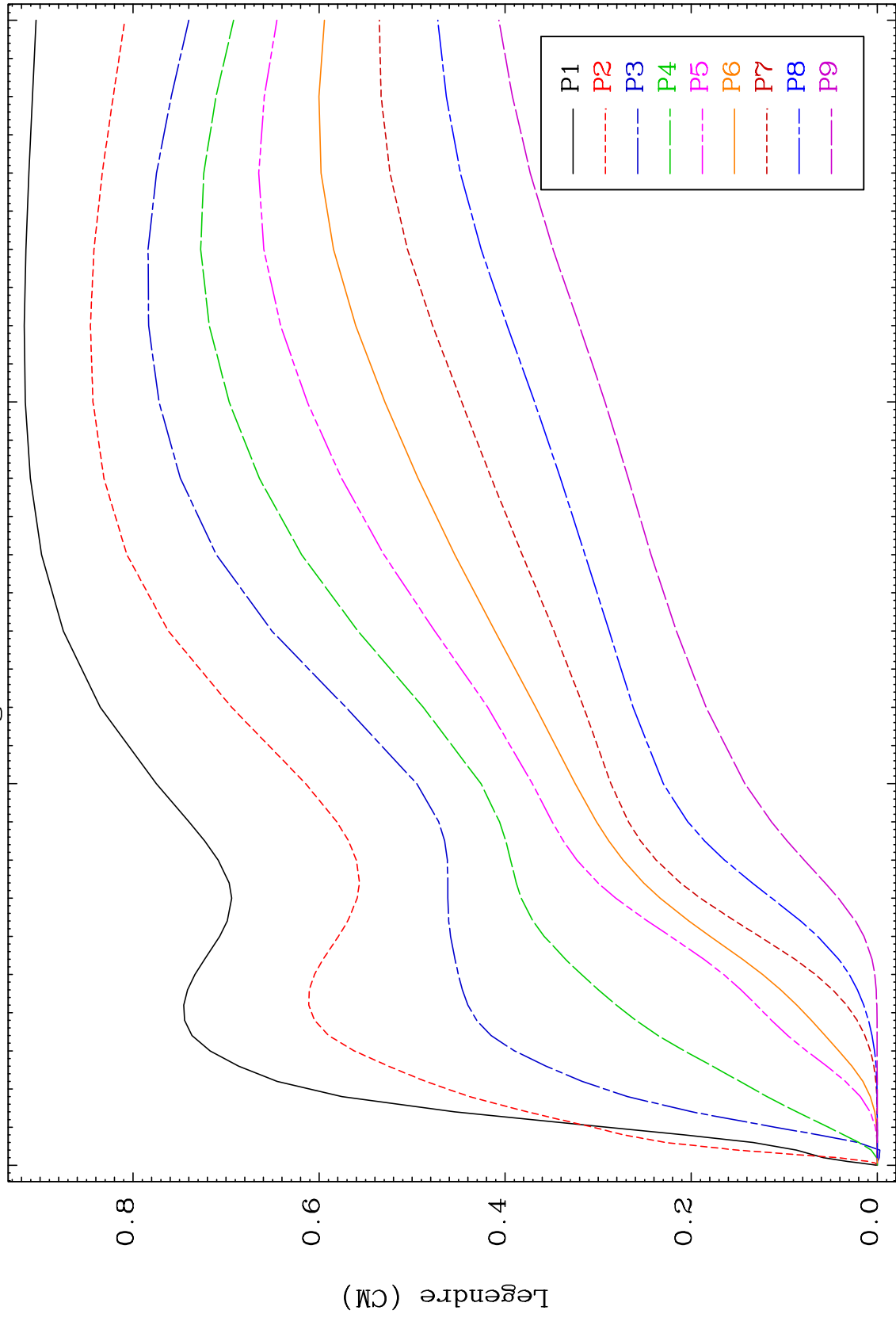
— (n, α)



MAT 6604

Elastic Legendre Coefficients

66-Dy-149



16

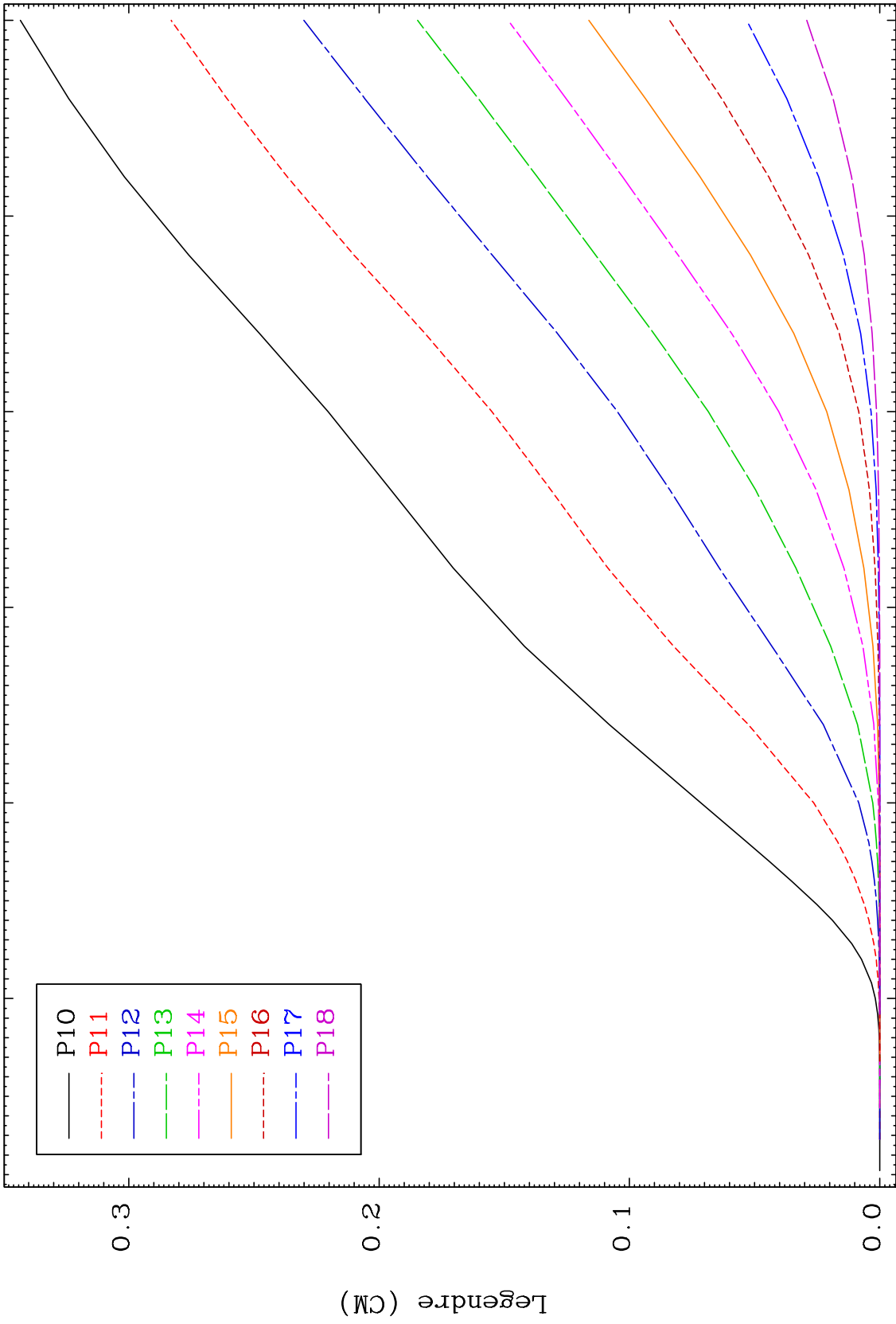
Incident Energy (MeV)

66-Dy-149

MAT 6604

Elastic Legendre Coefficients

66-Dy-149



17

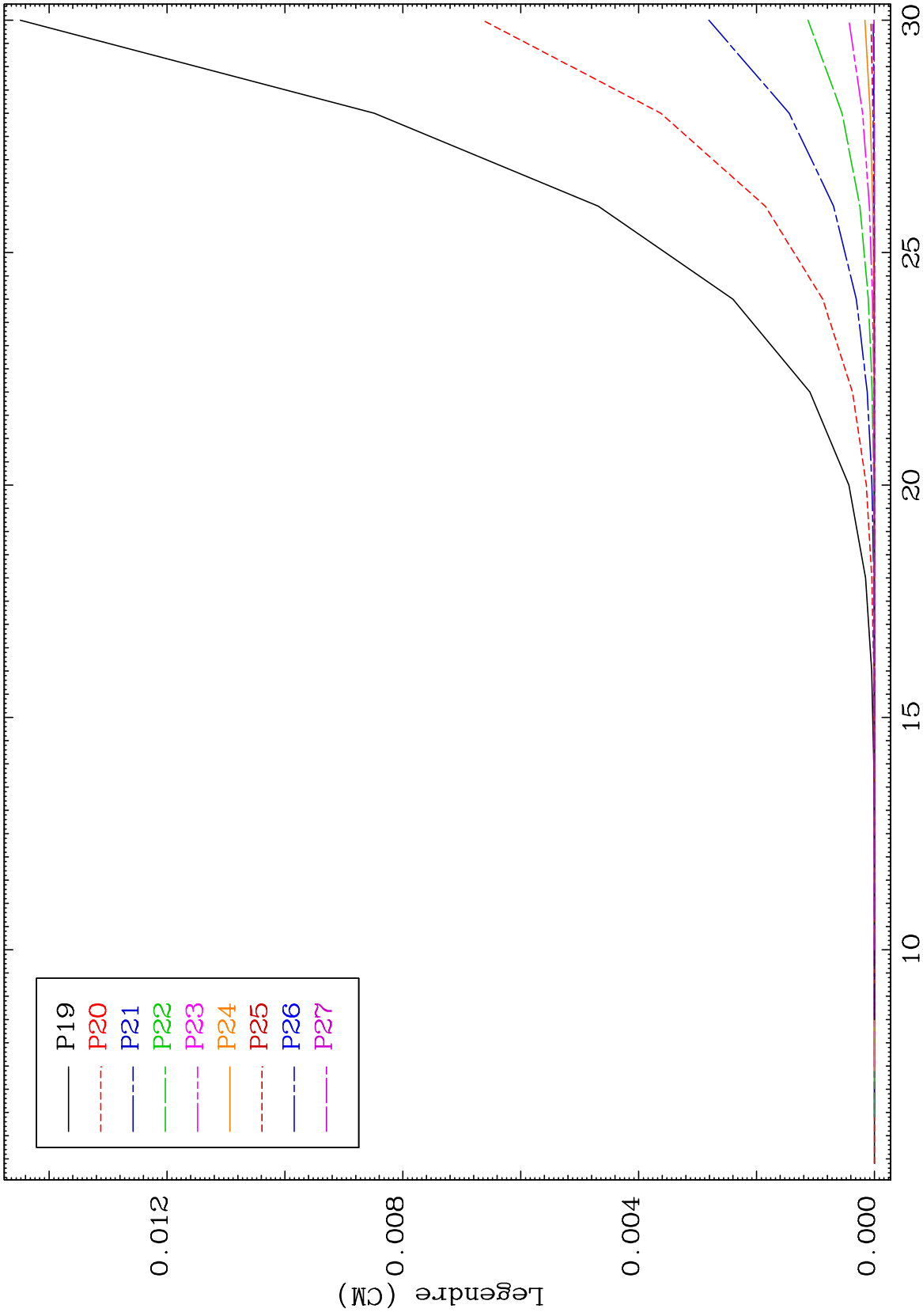
Incident Energy (MeV)

66-Dy-149

MAT 6604

Elastic Legendre Coefficients

66-Dy-149



18

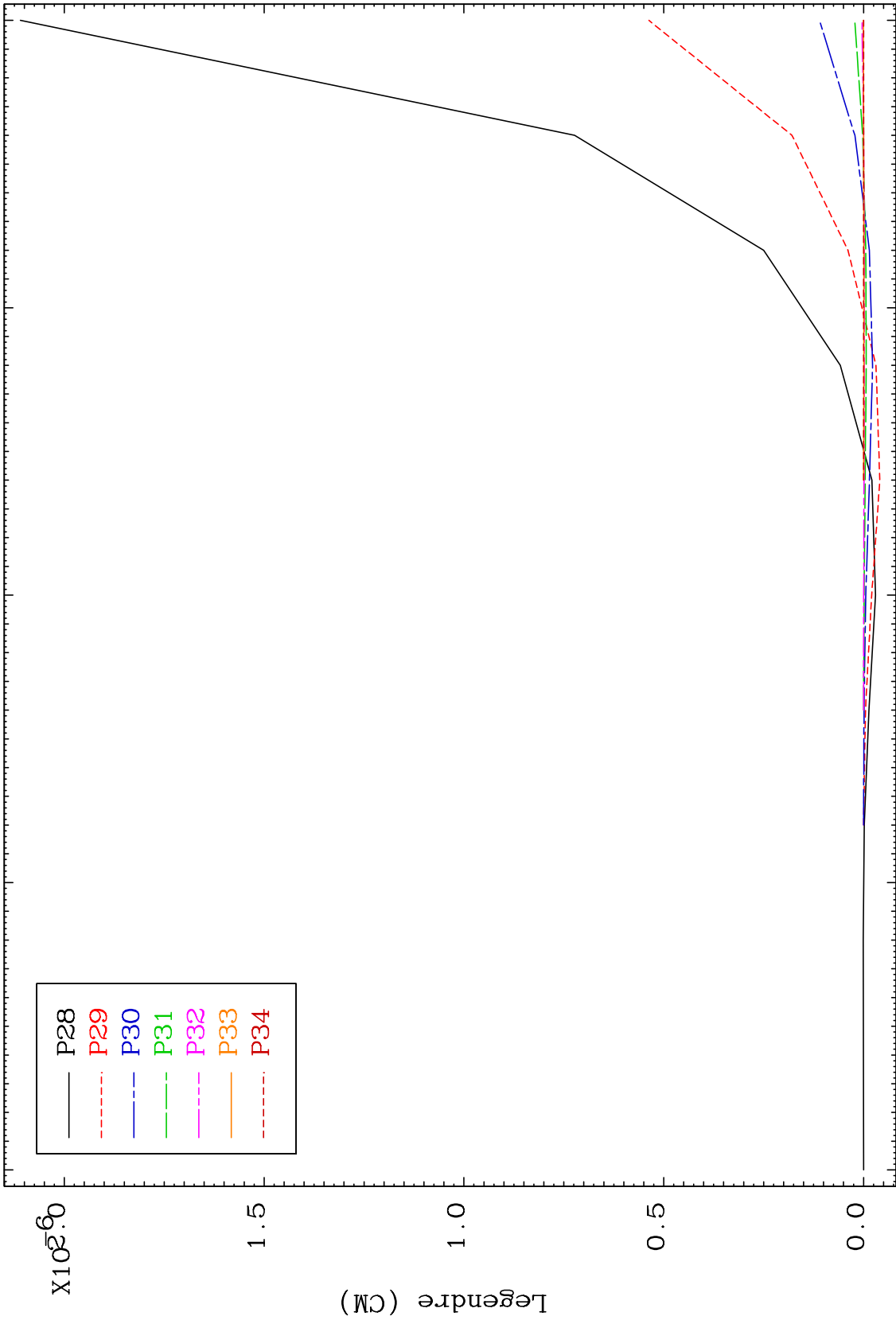
Incident Energy (MeV)

66-Dy-149

MAT 6604

Elastic Legendre Coefficients

66-Dy-149



19

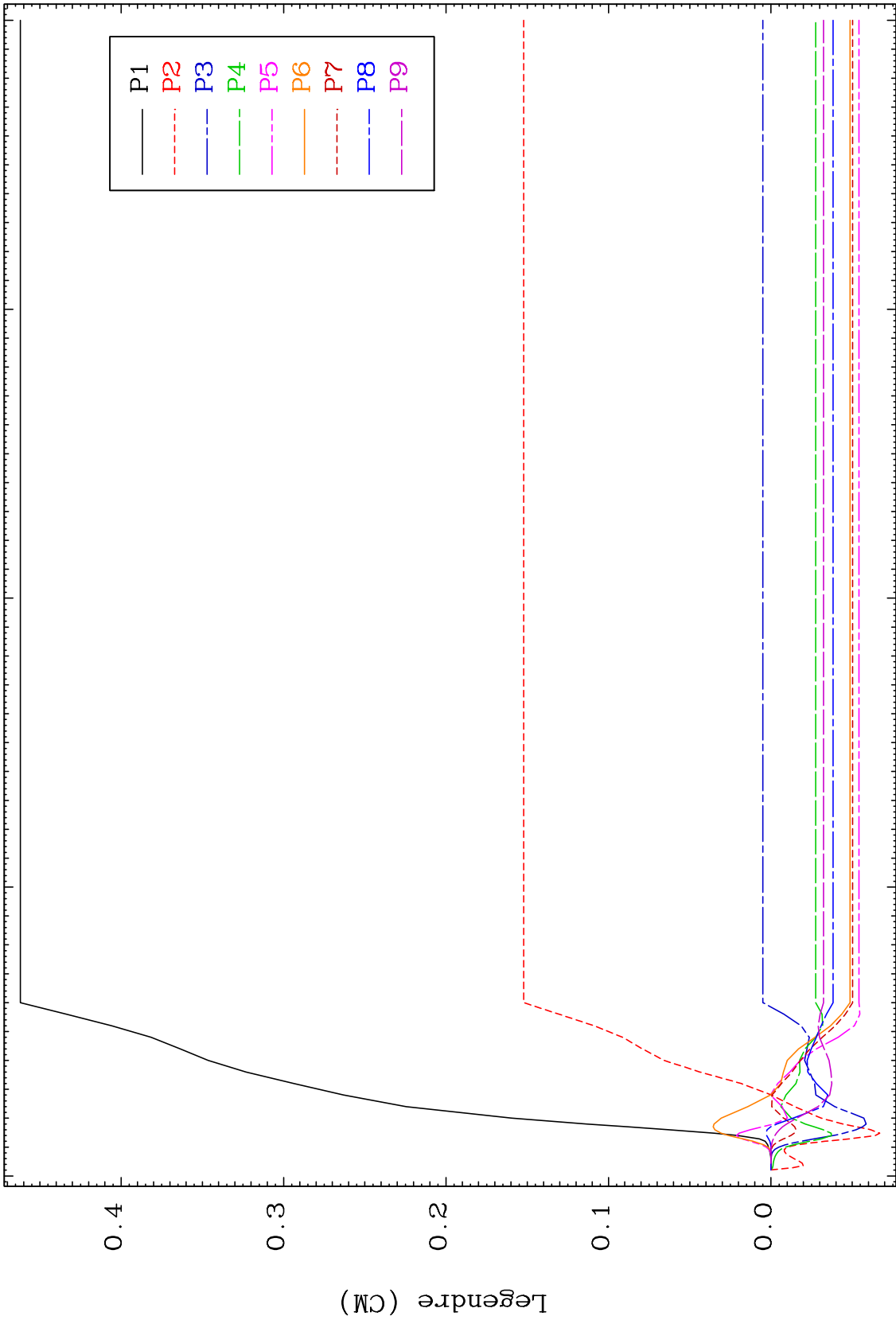
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



20

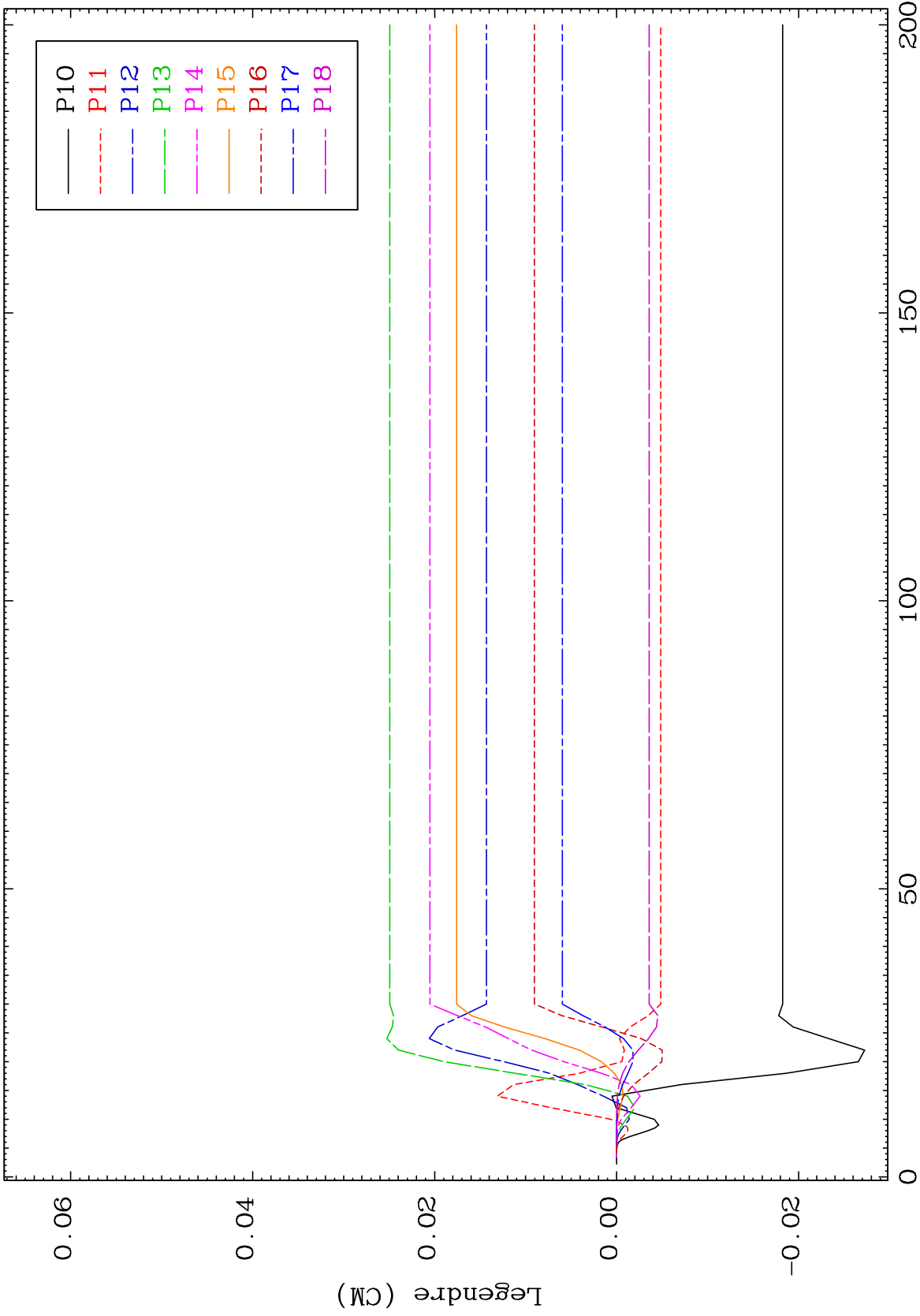
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



21

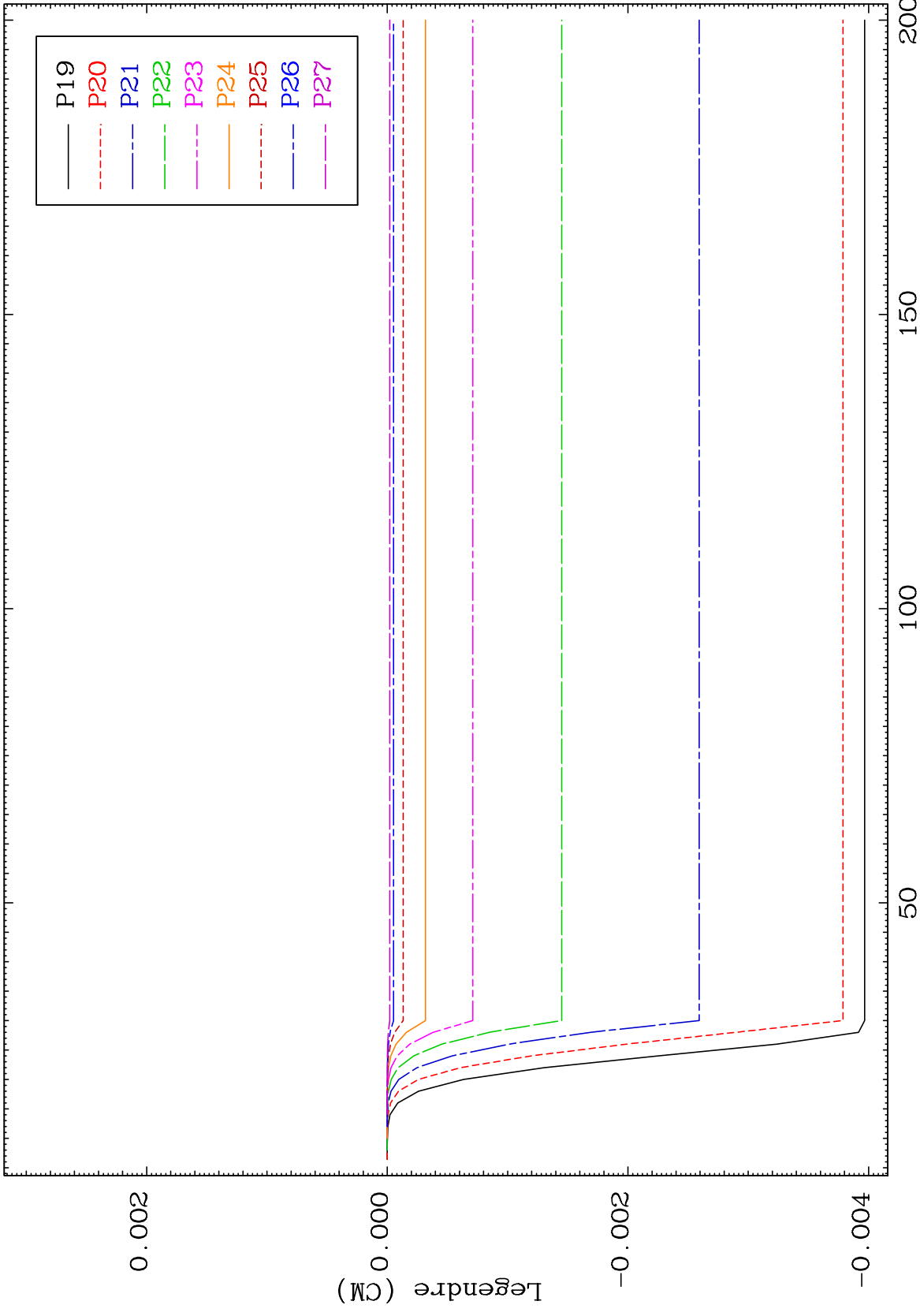
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



22

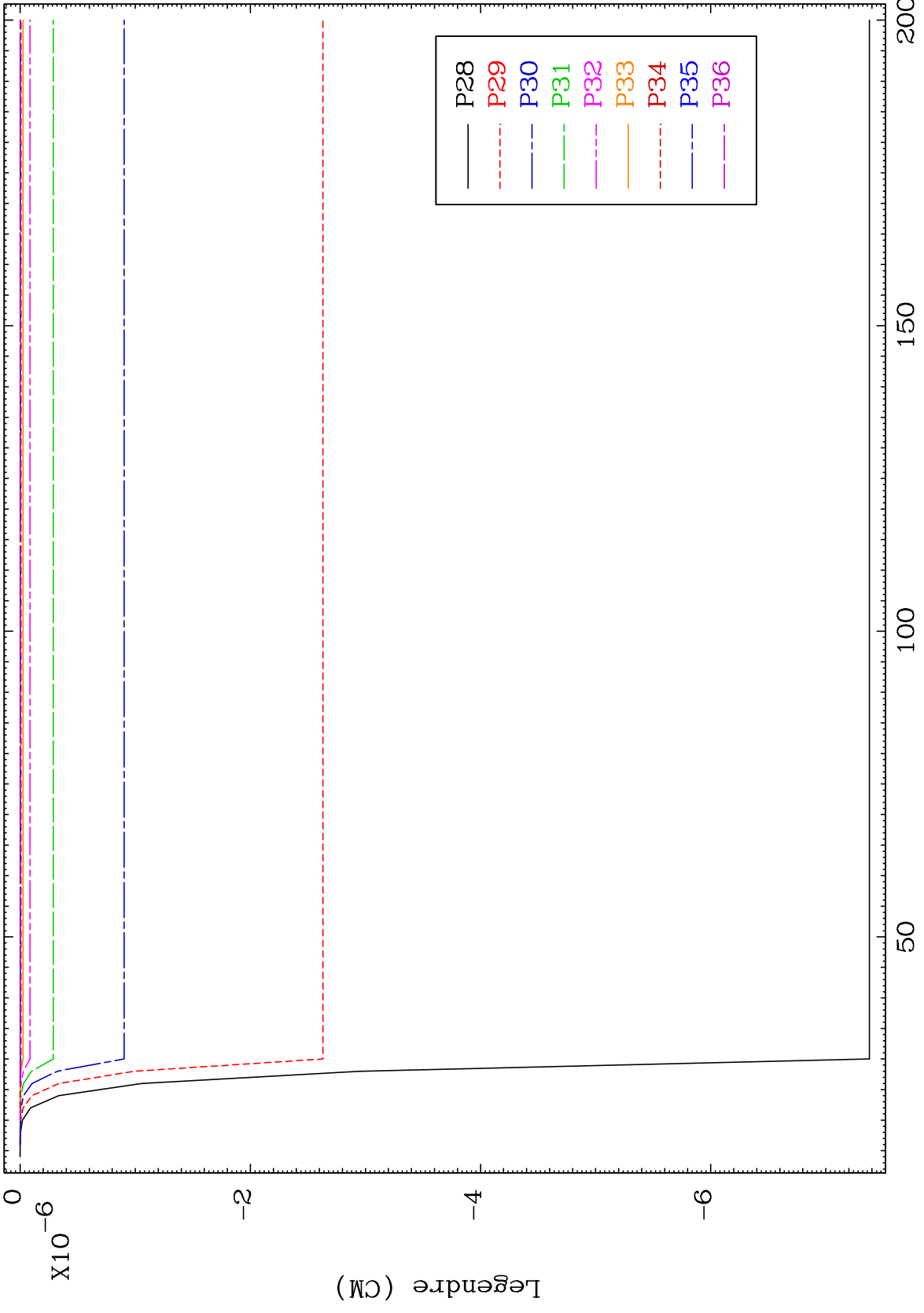
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



66-Dy-149

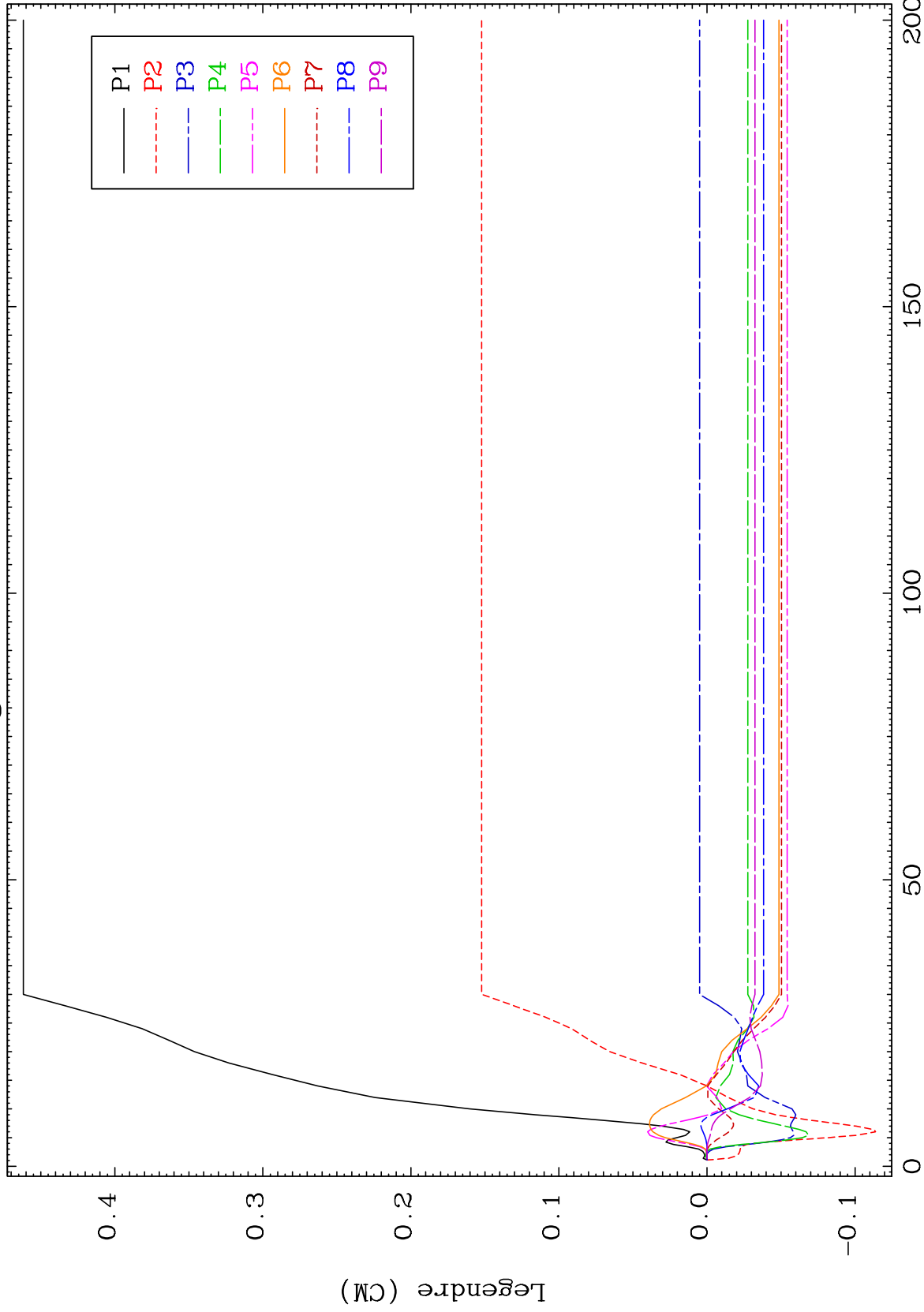
Incident Energy (MeV)

23

MAT 6604

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

66-Dy-149



24

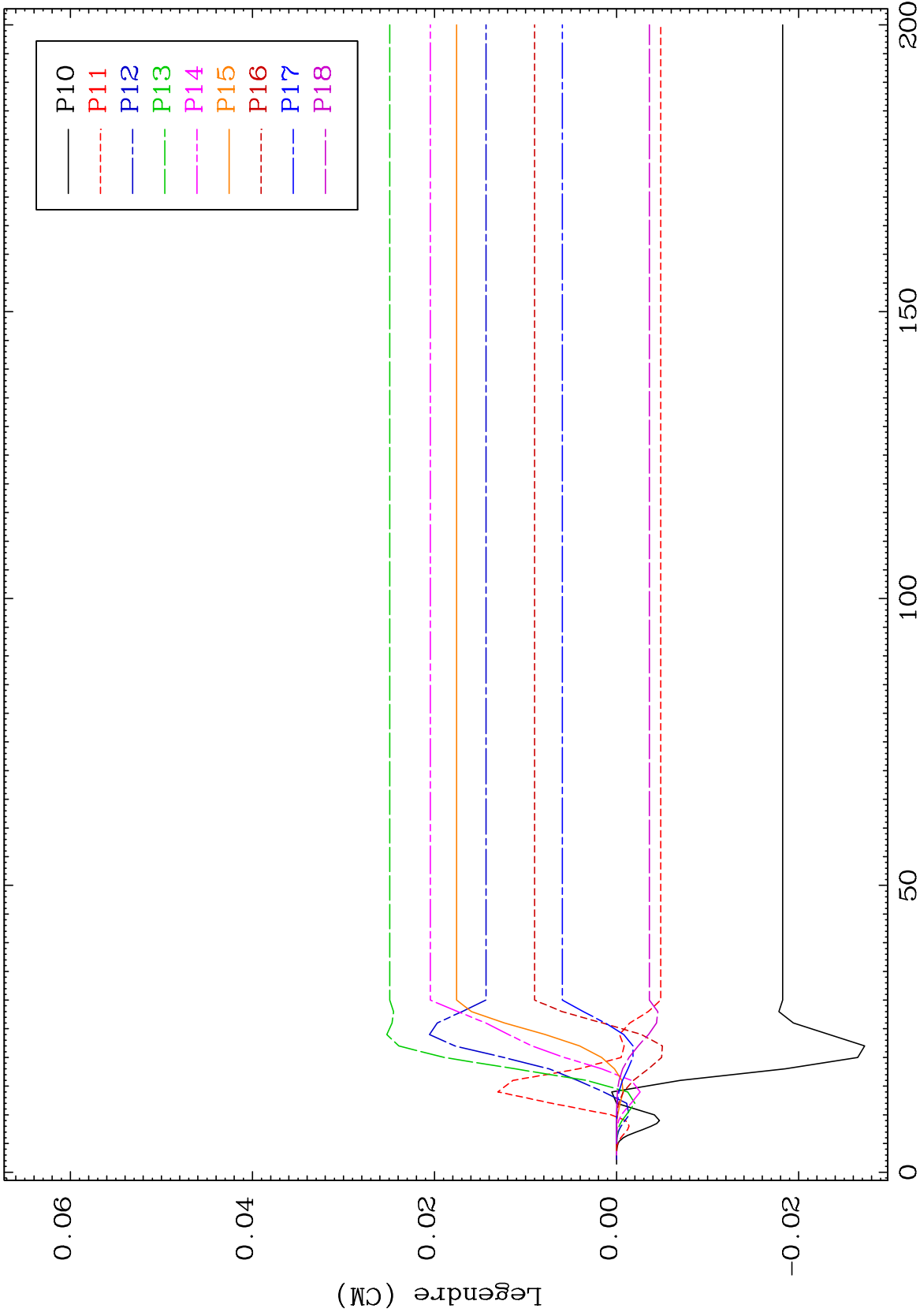
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



25

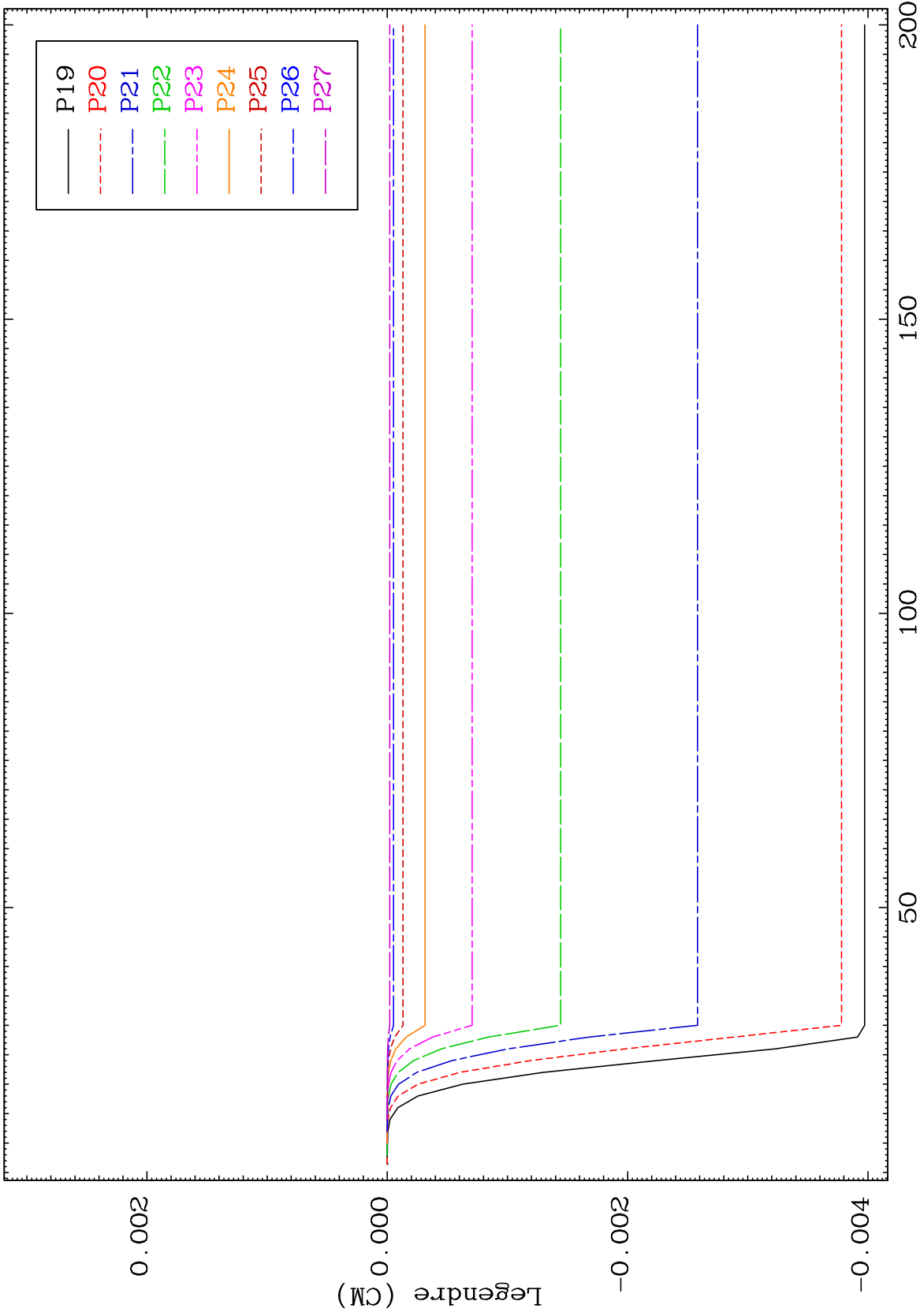
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



26

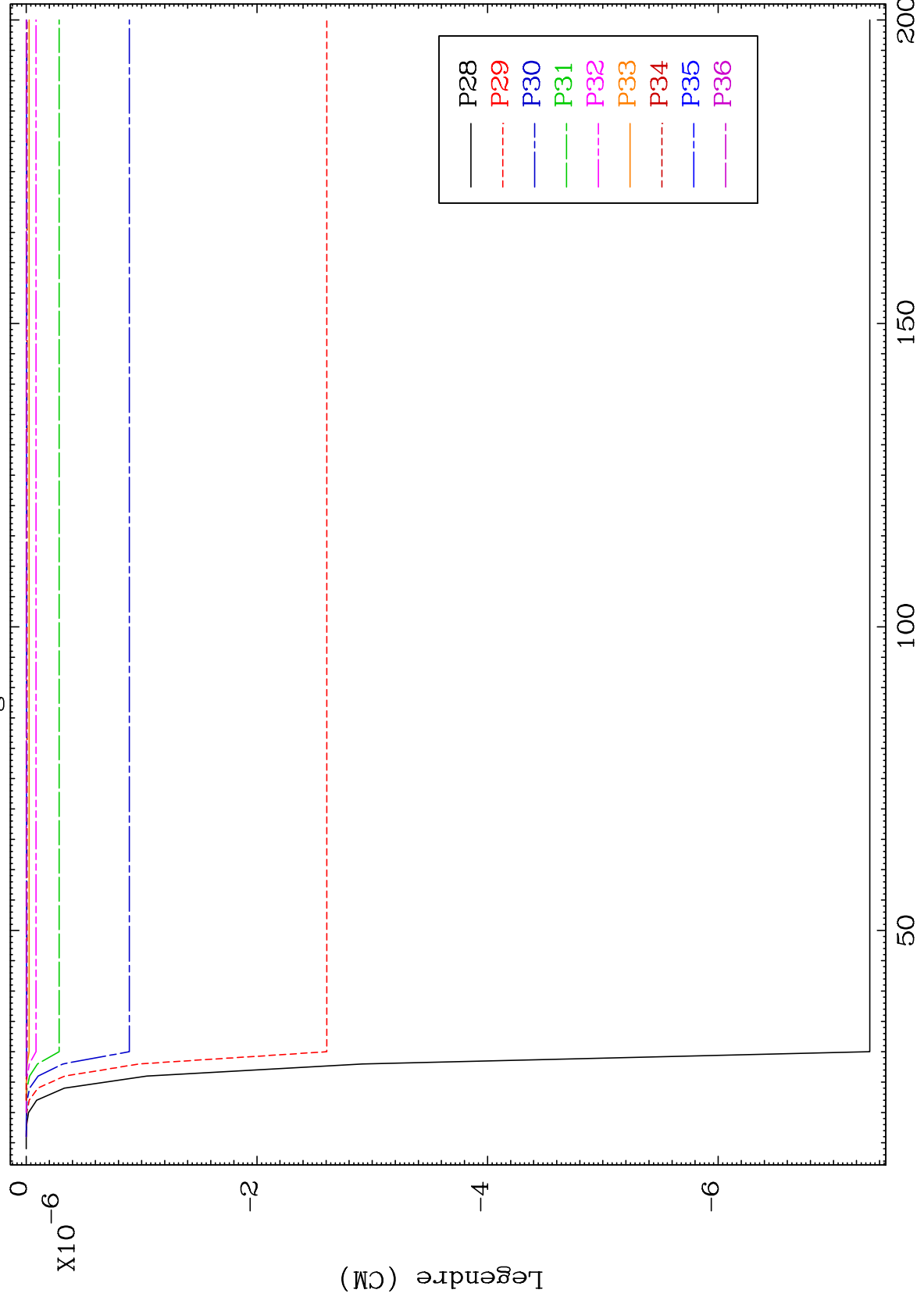
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



66-Dy-149

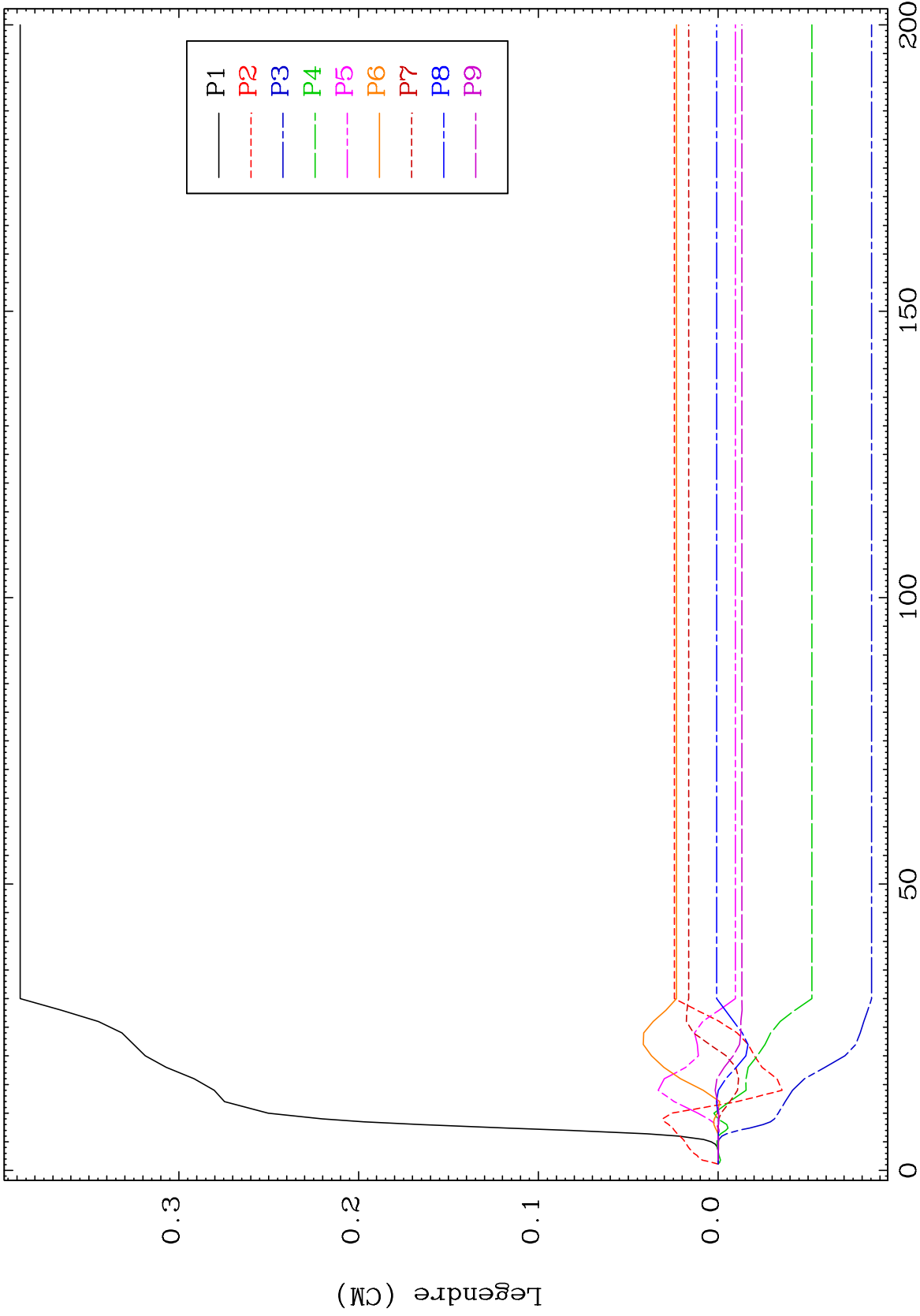
Incident Energy (MeV)

27

MAT 6604

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

66-Dy-149



28

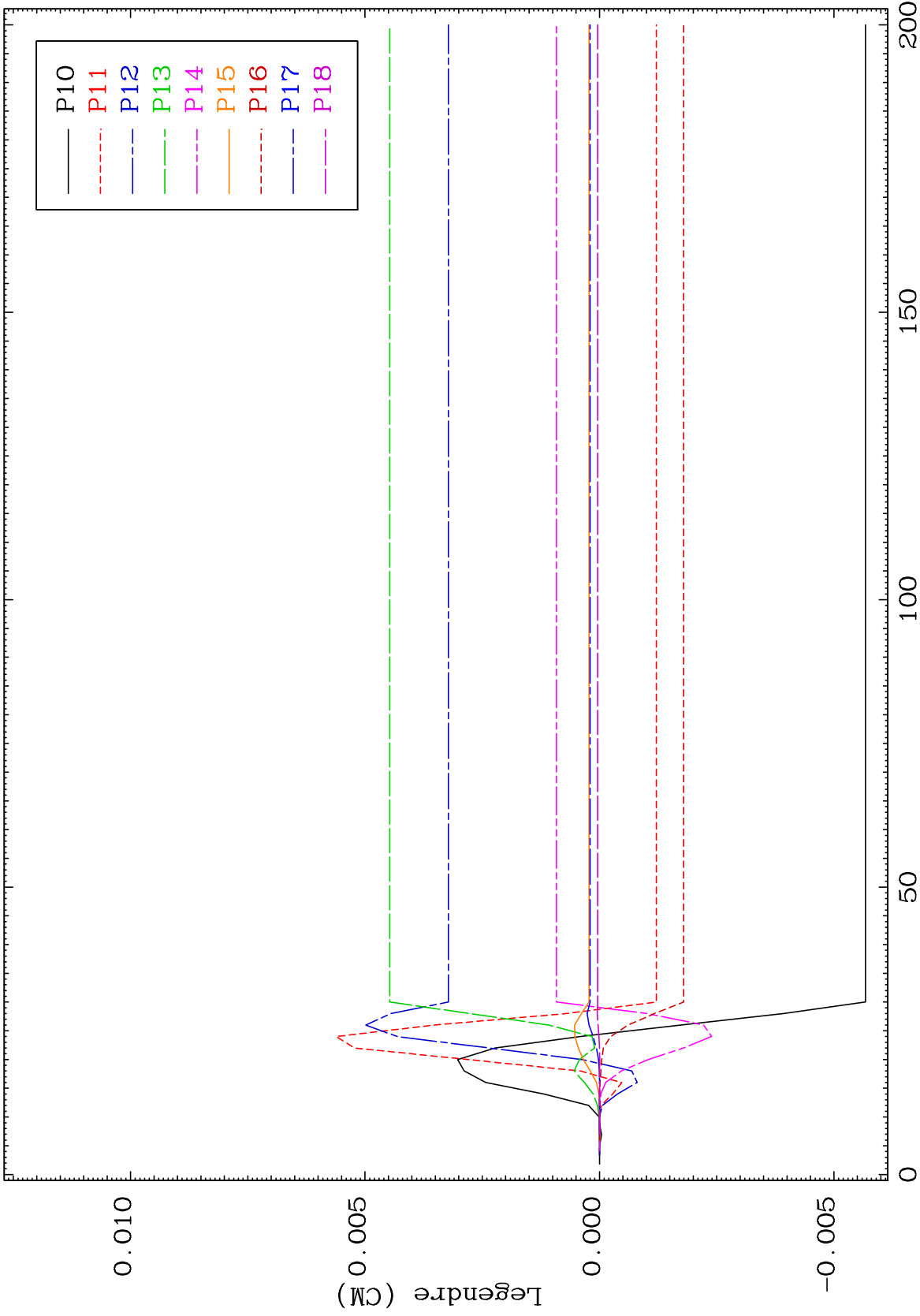
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



29

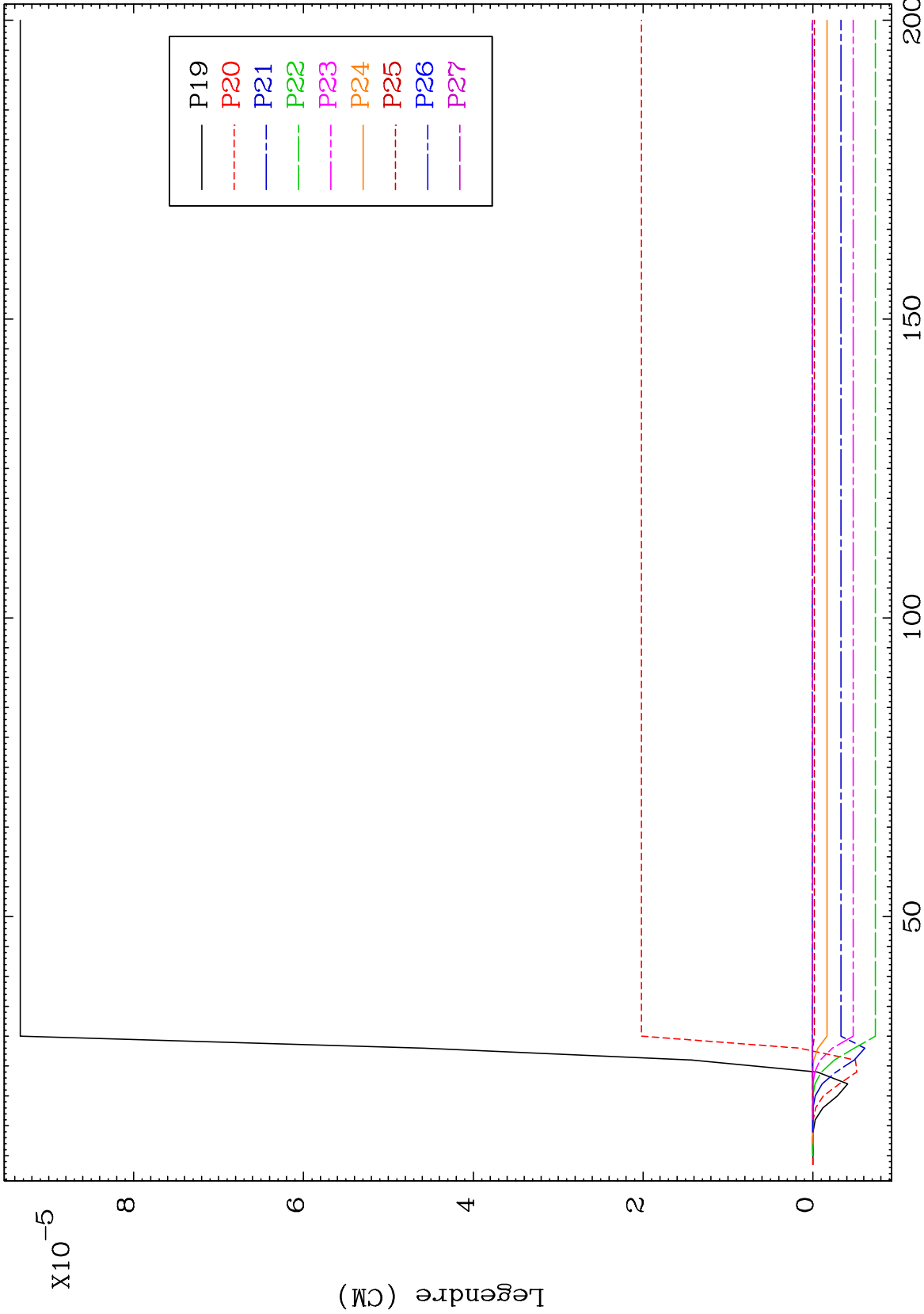
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



30

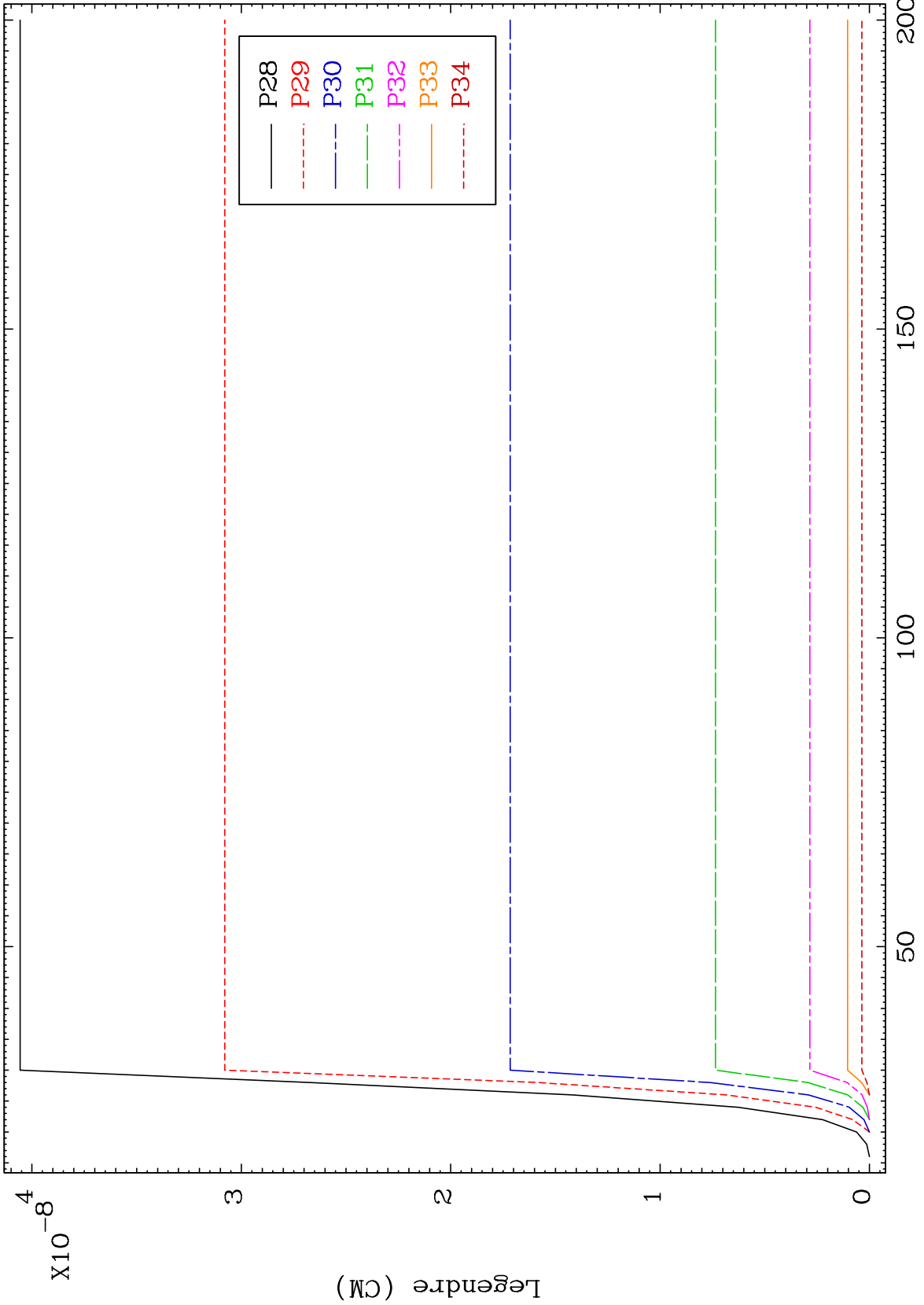
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



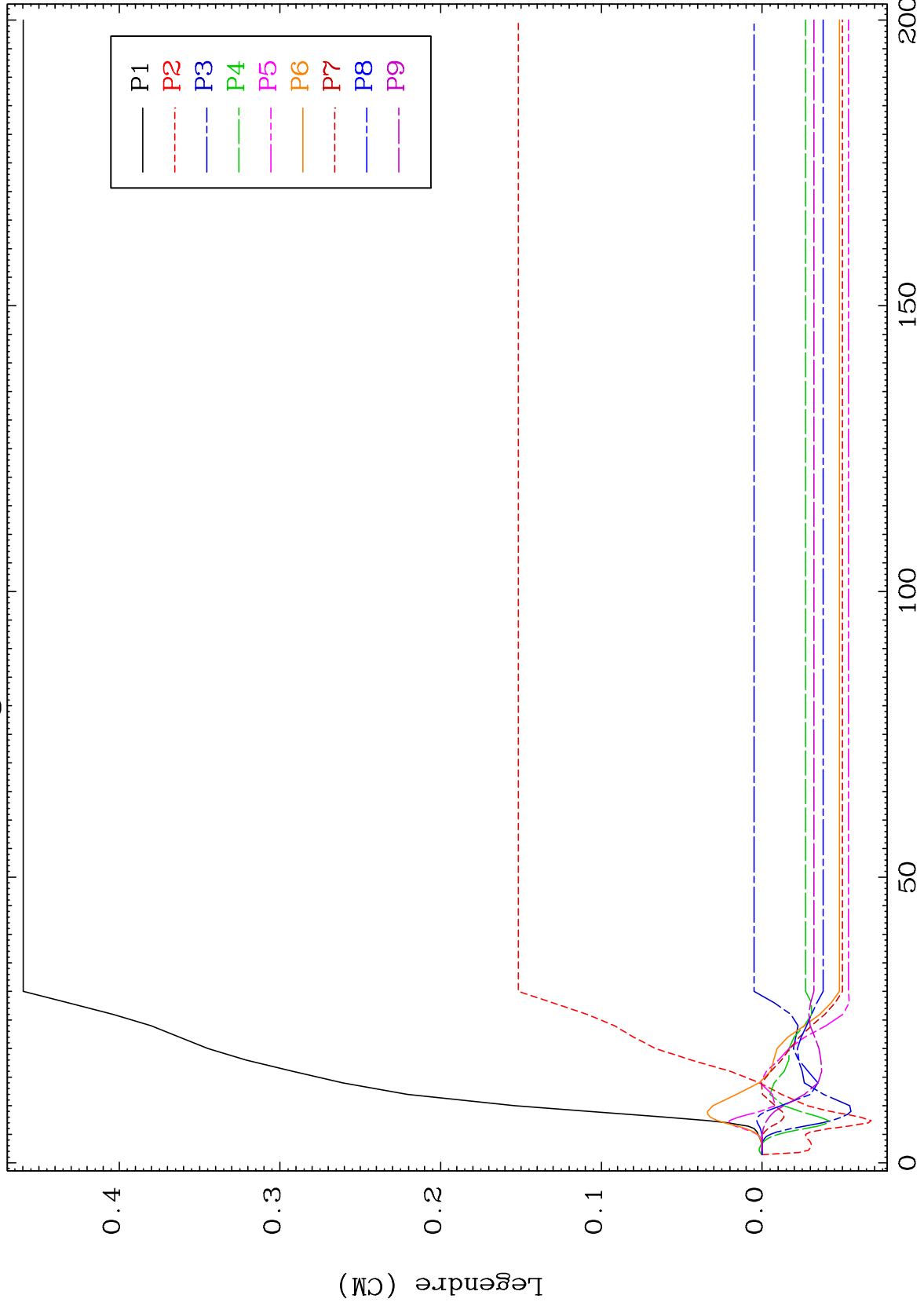
31

66-Dy-149

MAT 6604

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

66-Dy-149



32

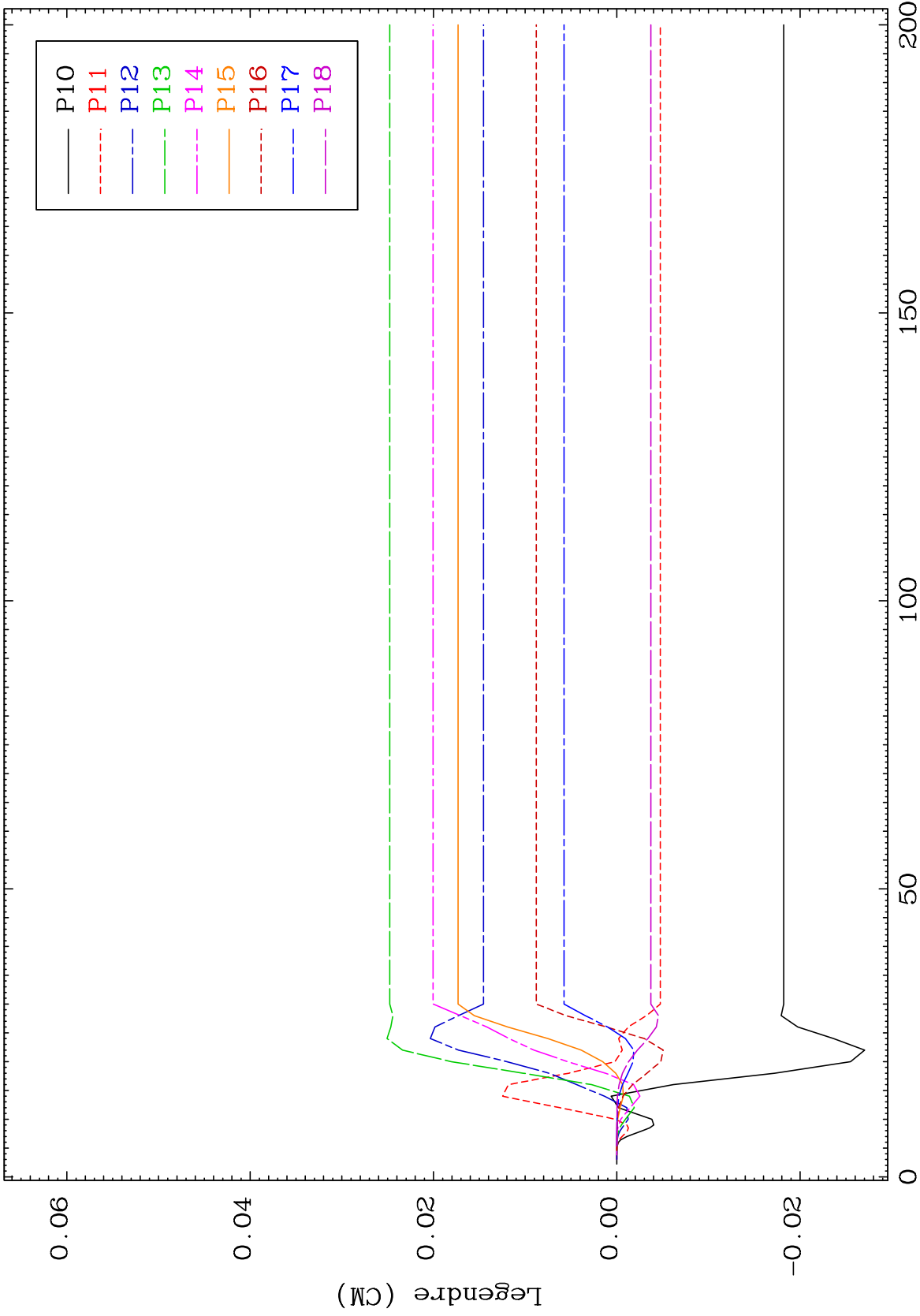
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



33

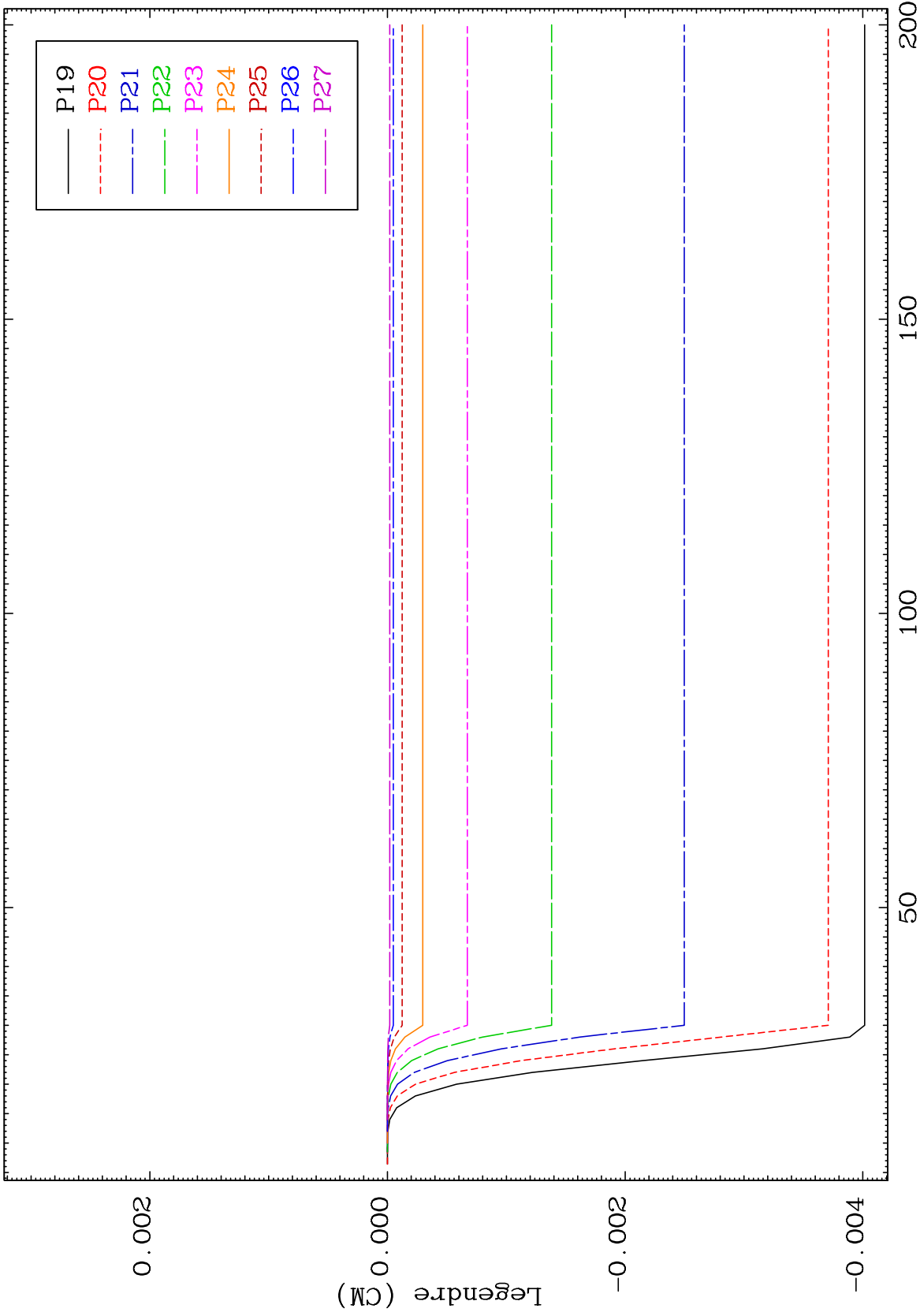
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



34

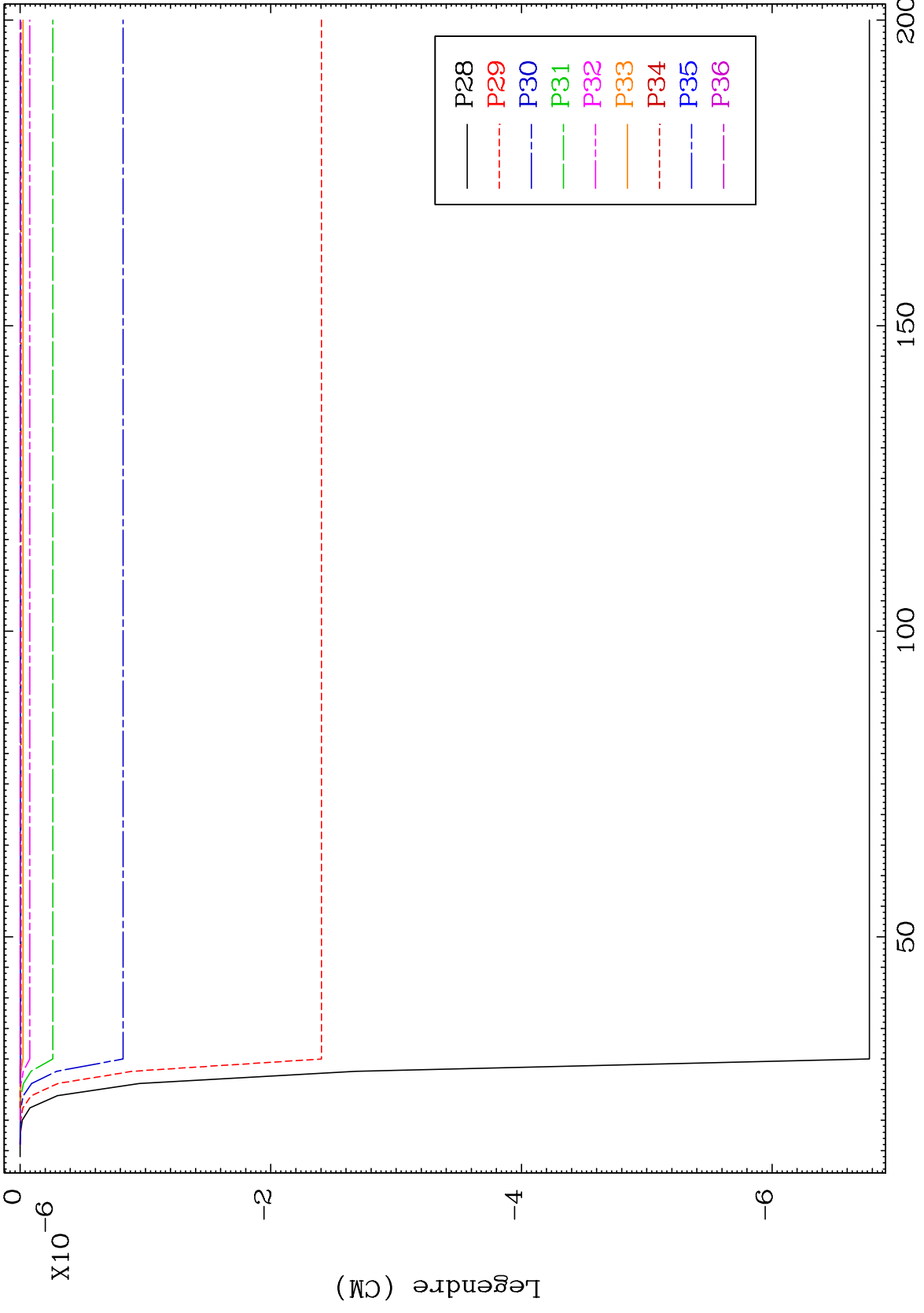
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



66-Dy-149

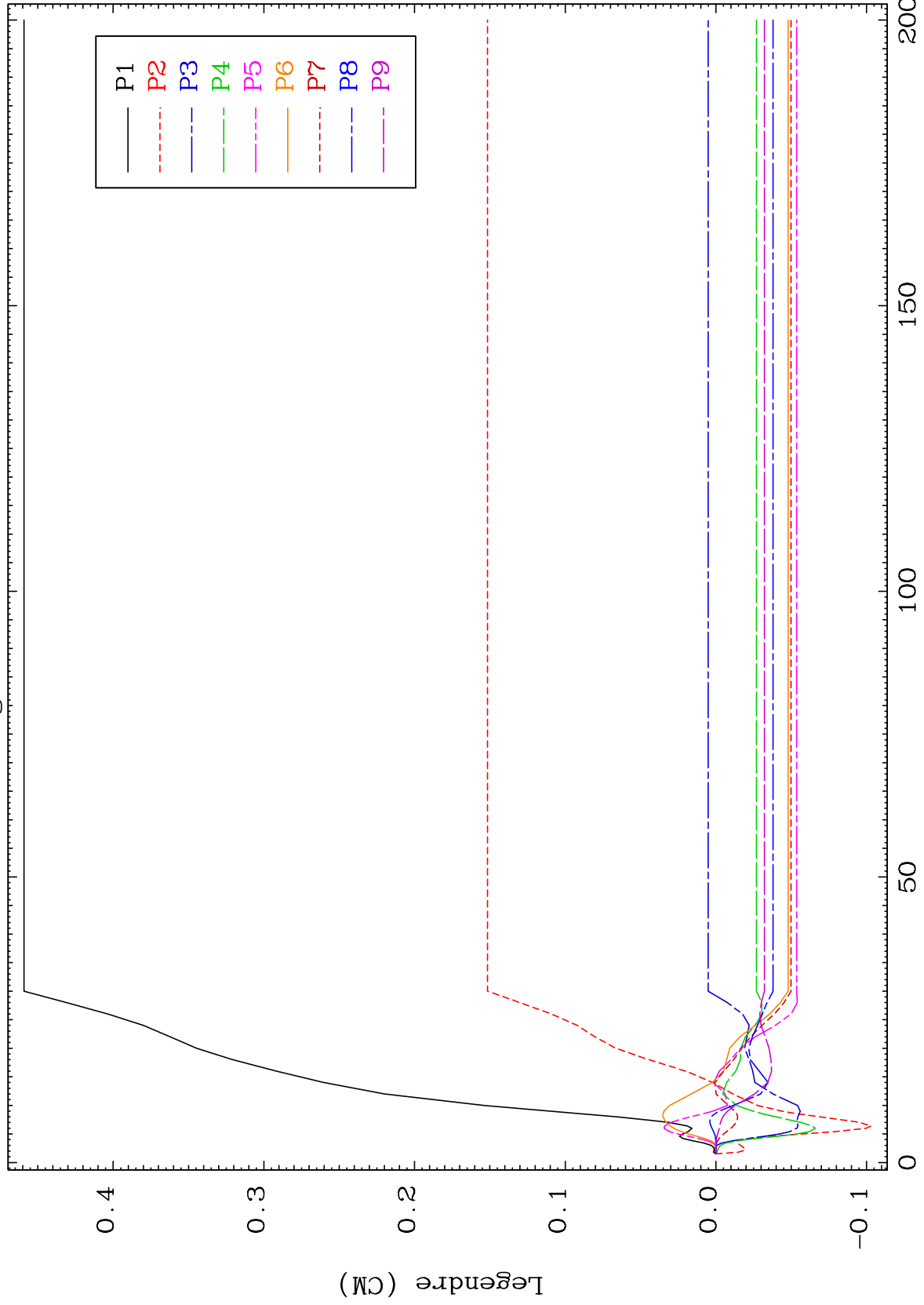
Incident Energy (MeV)

35

MAT 6604

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

66-Dy-149



36

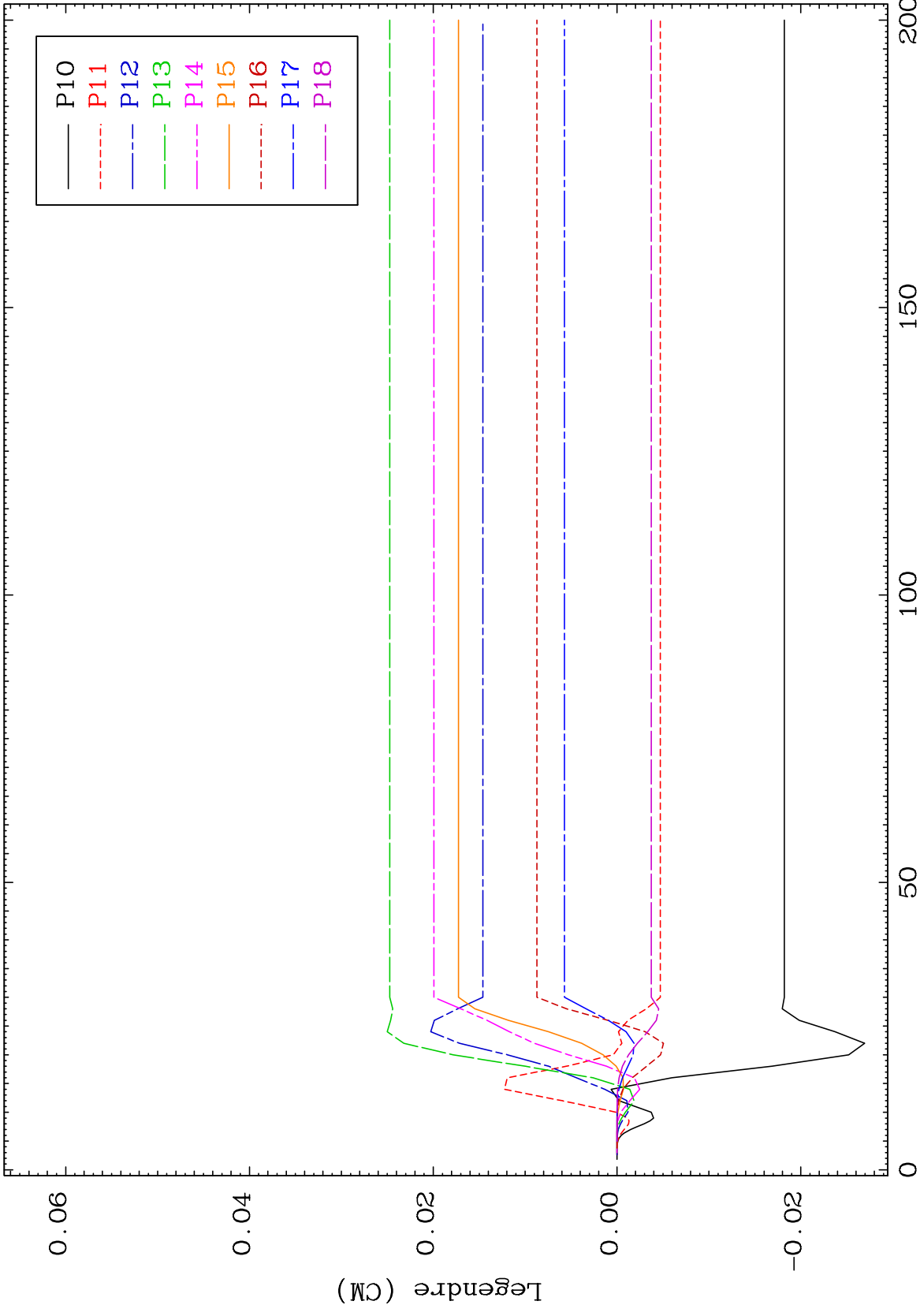
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



37

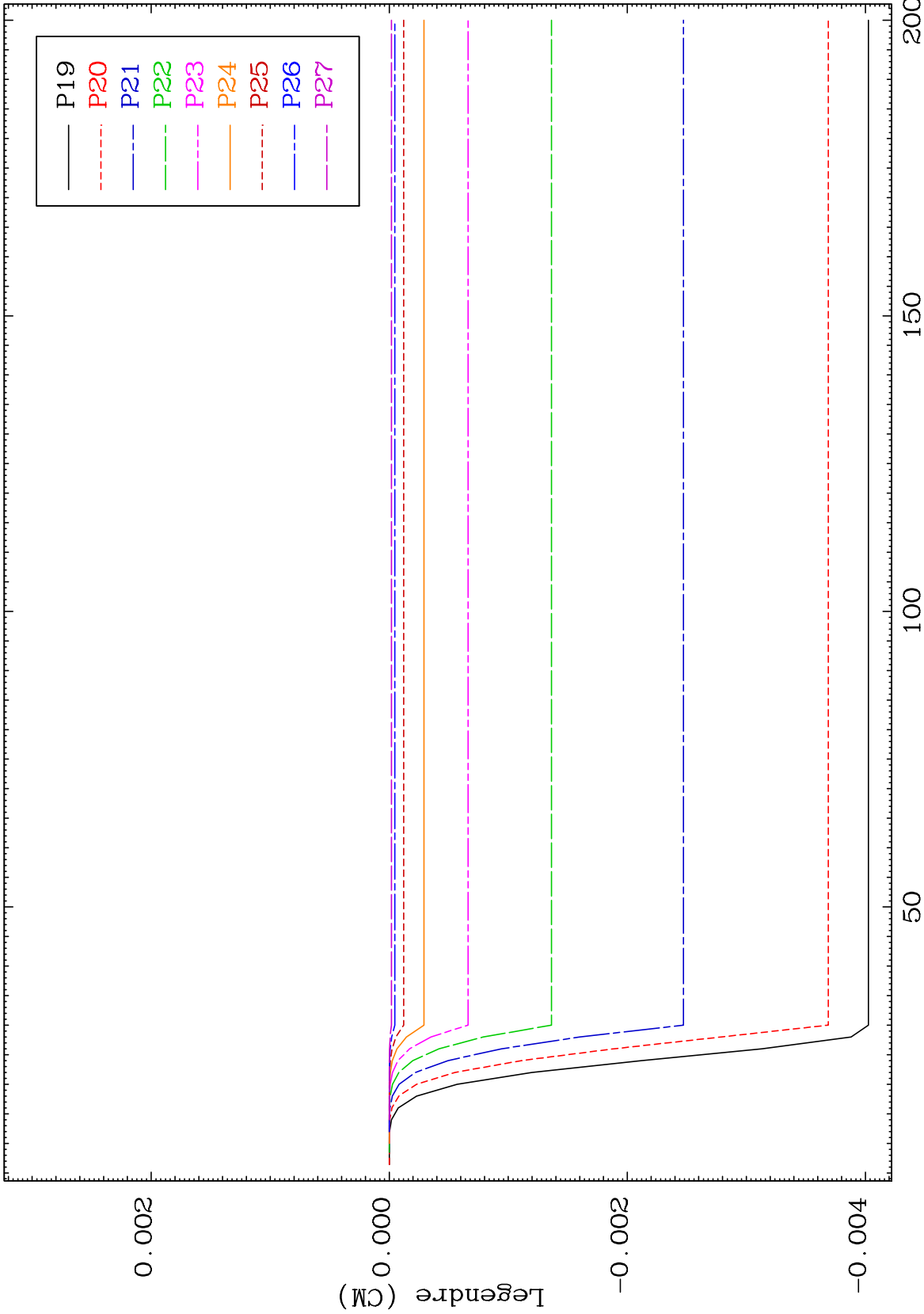
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



38

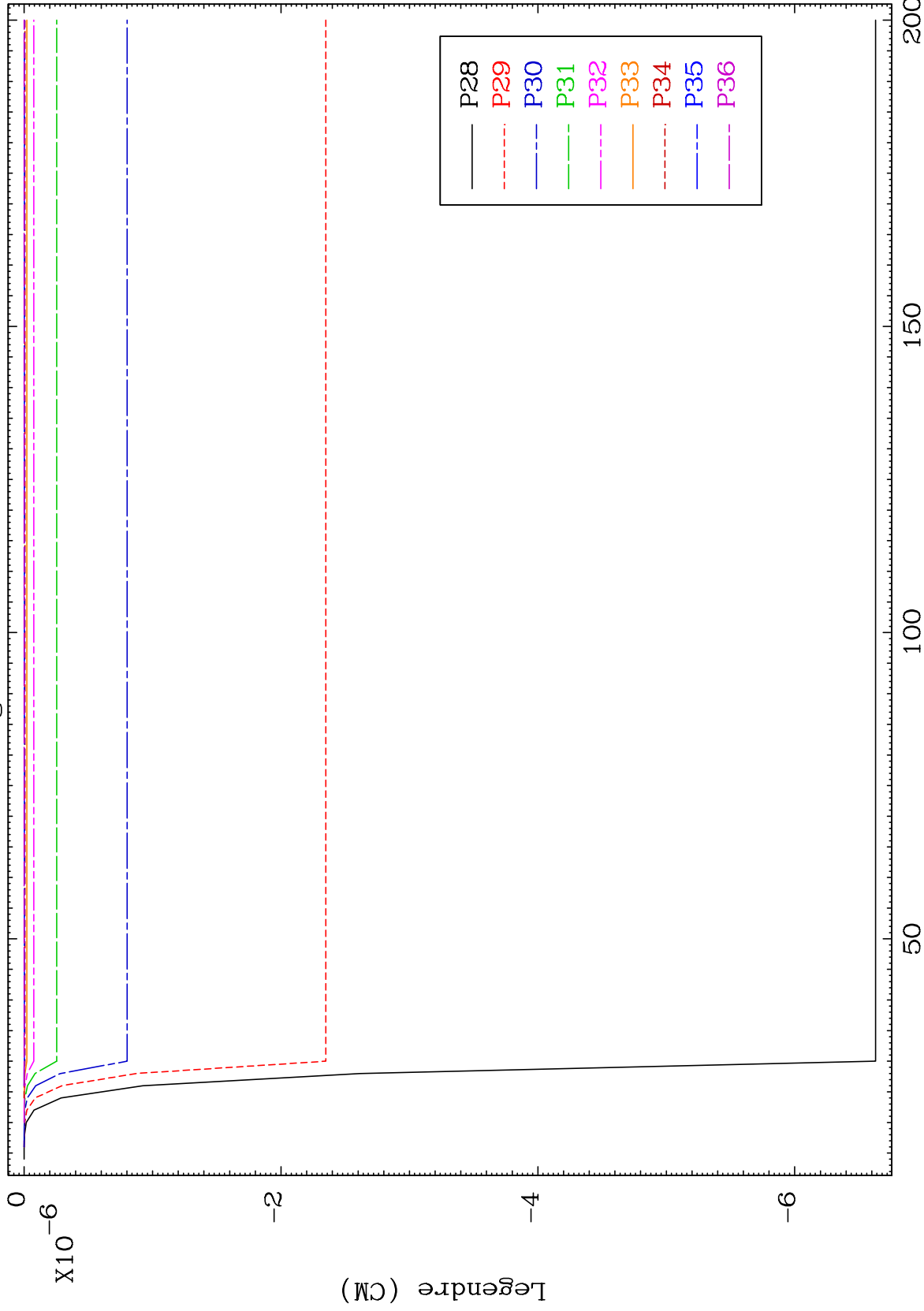
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



39

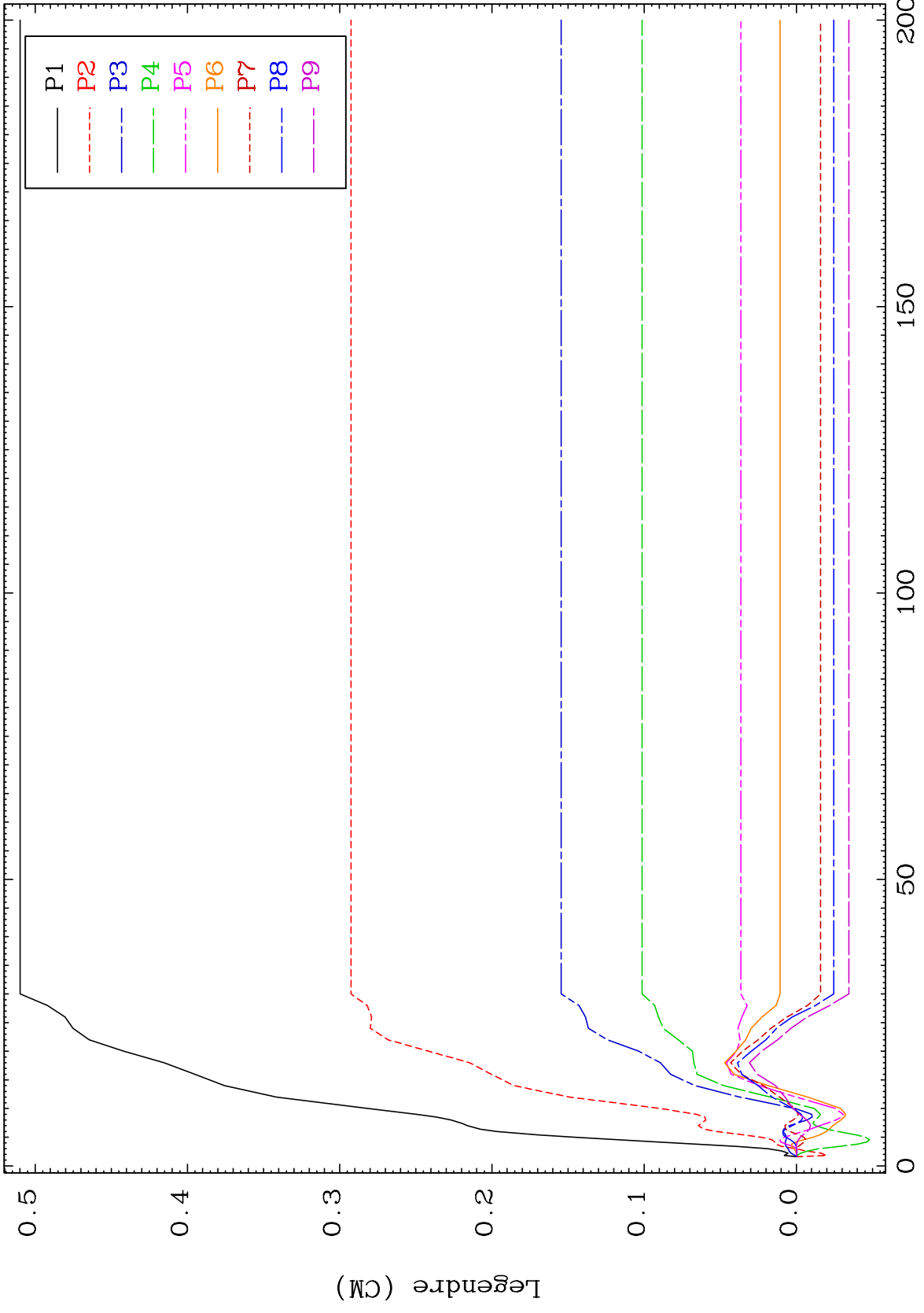
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



66-Dy-149

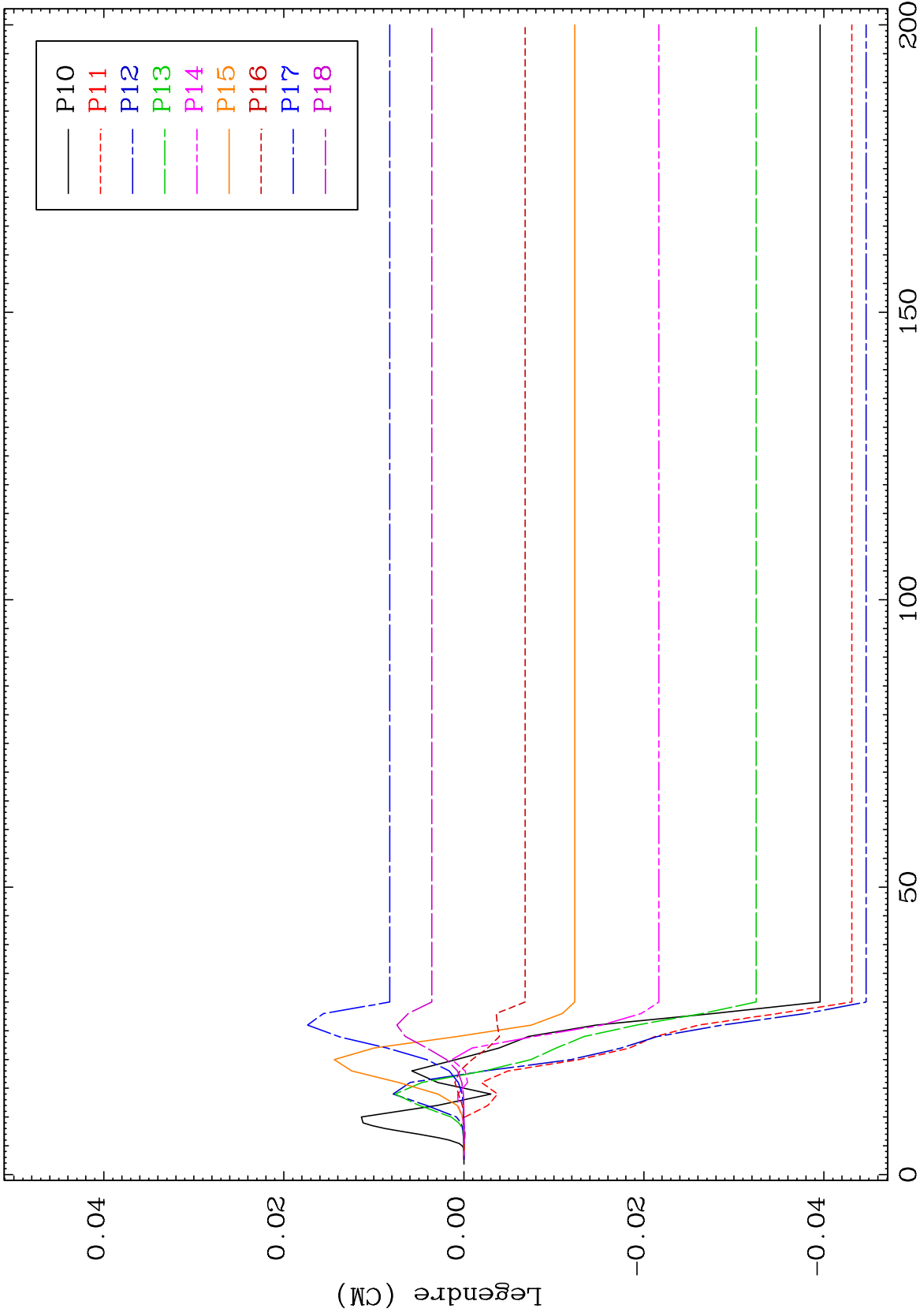
Incident Energy (MeV)

40

MAT 6604

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

66-Dy-149



41

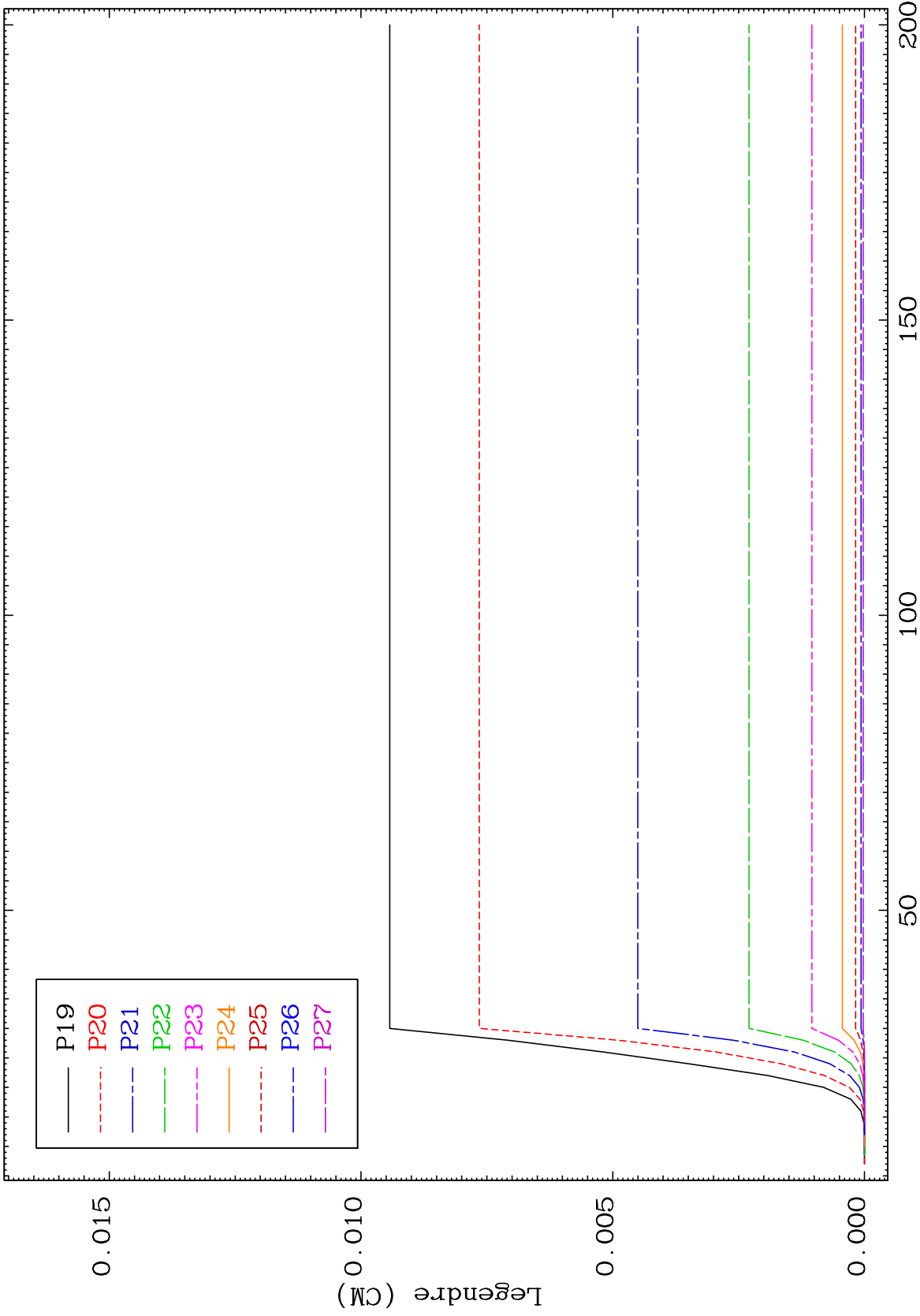
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



42

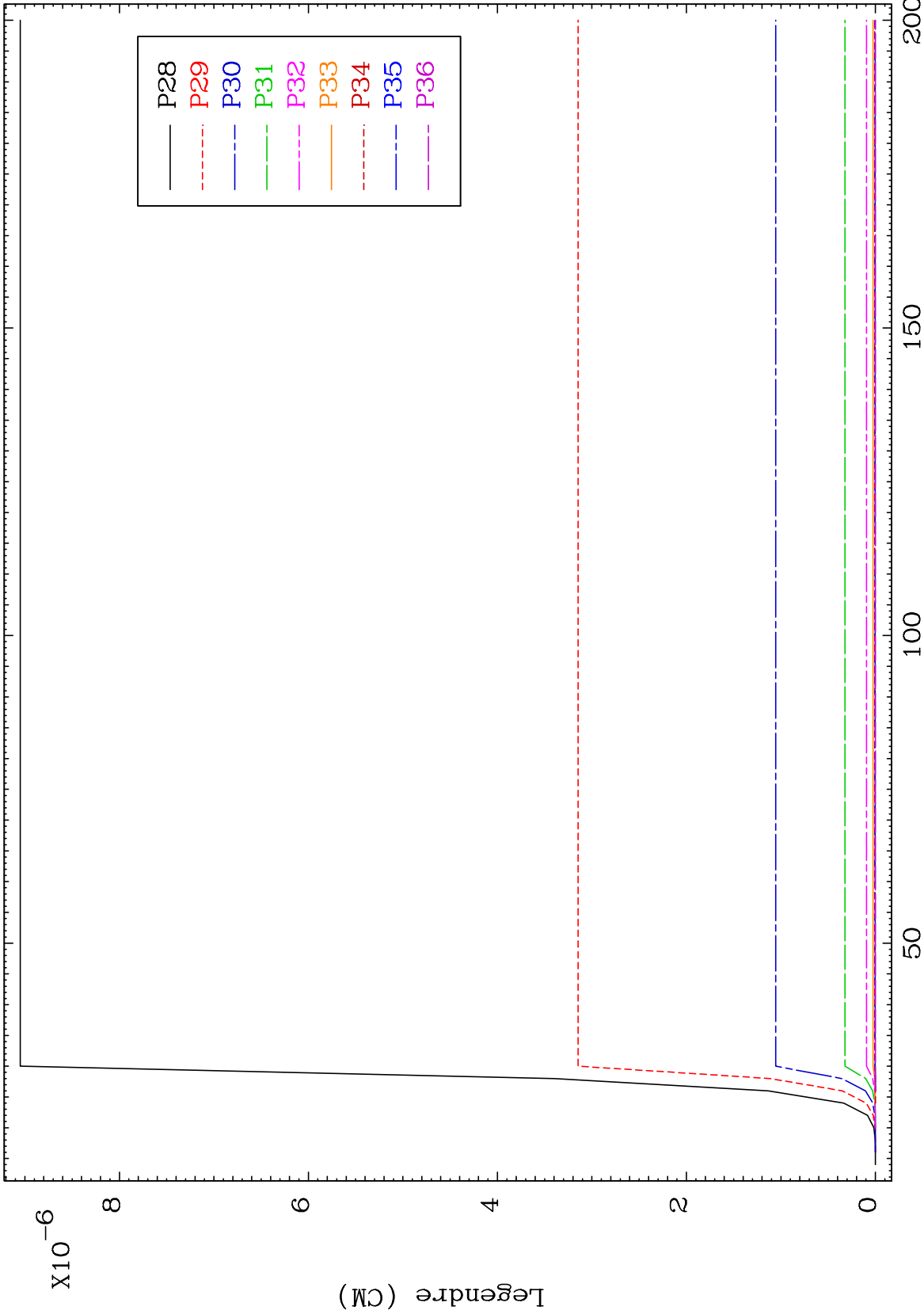
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



43

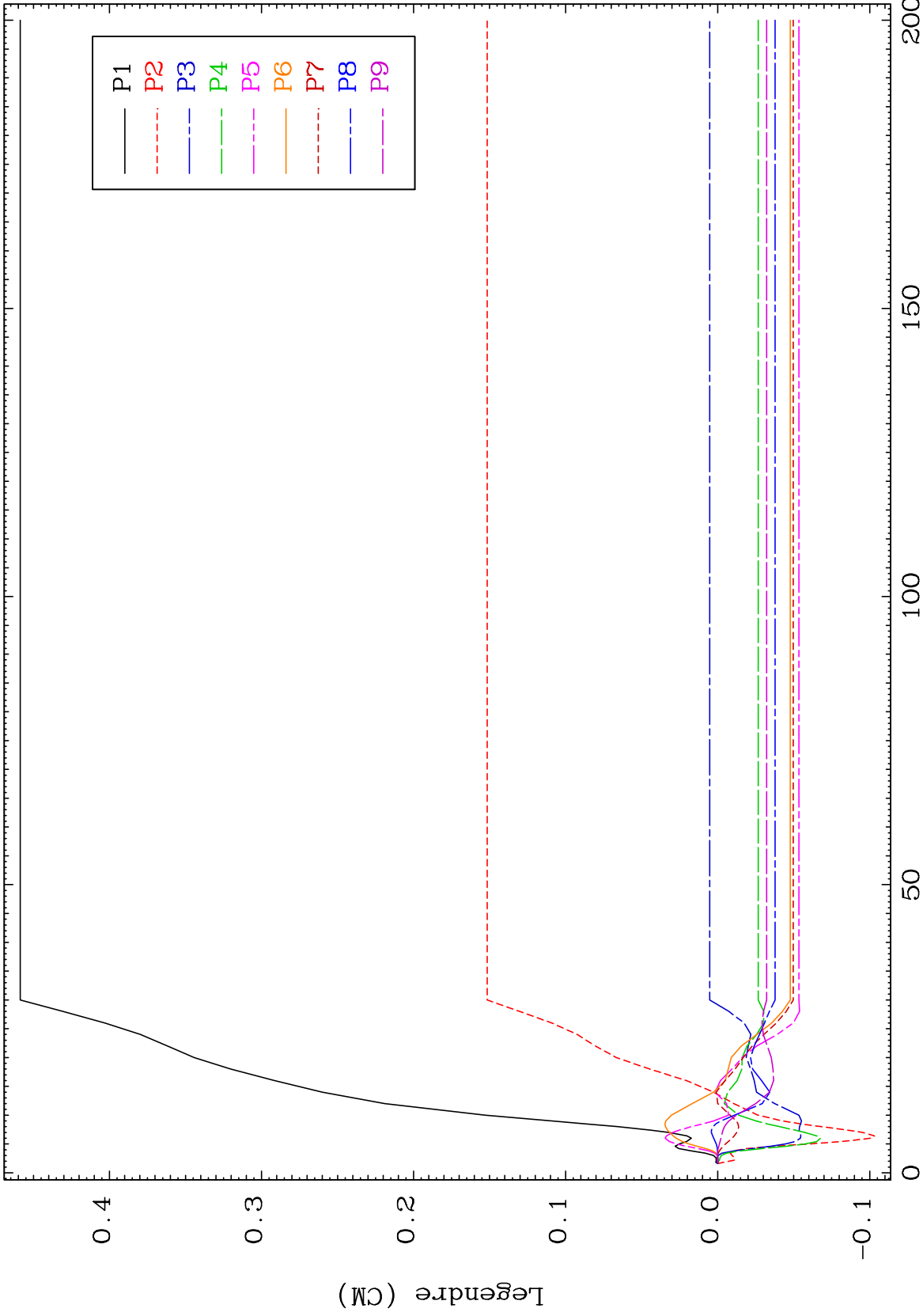
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



44

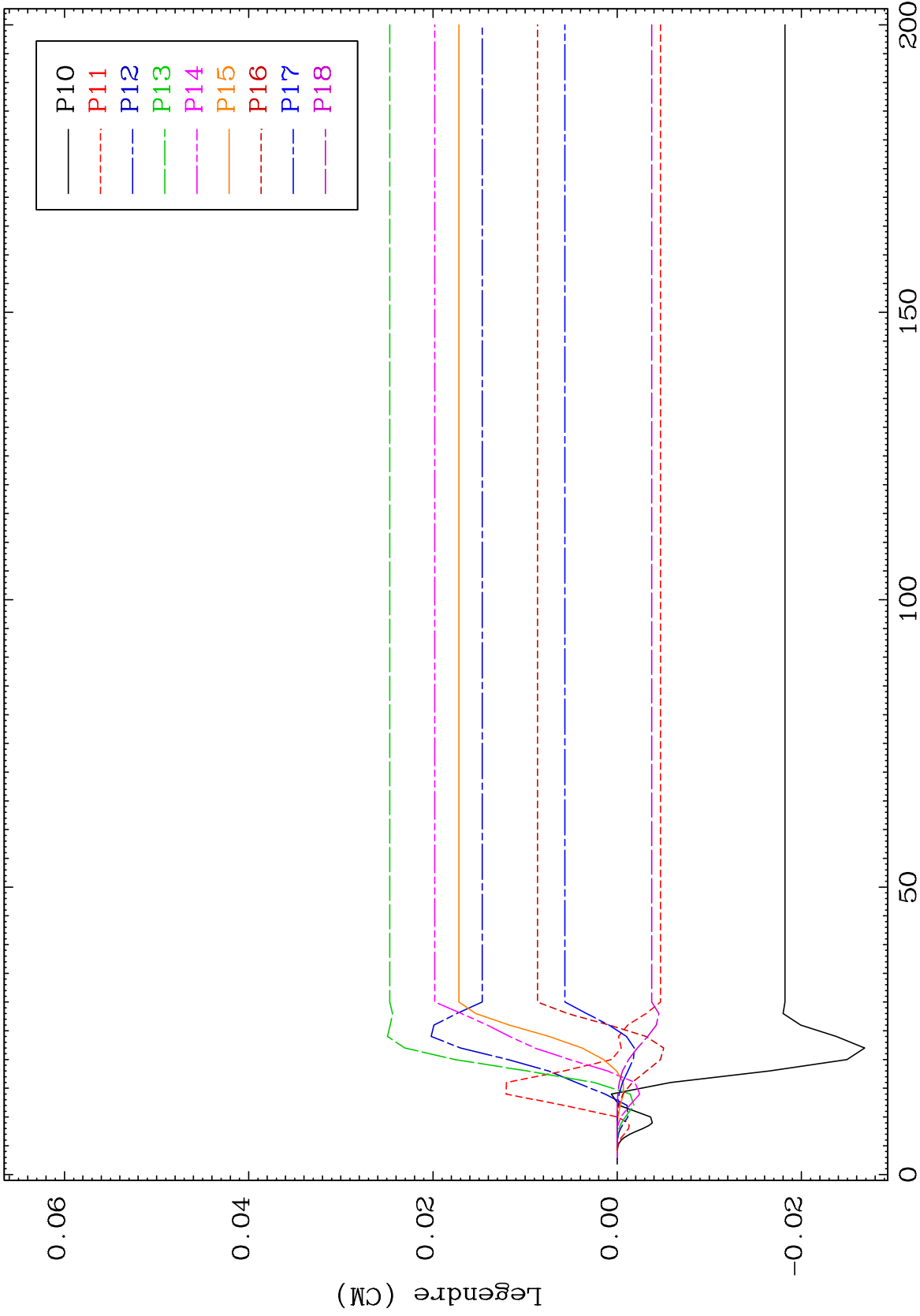
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



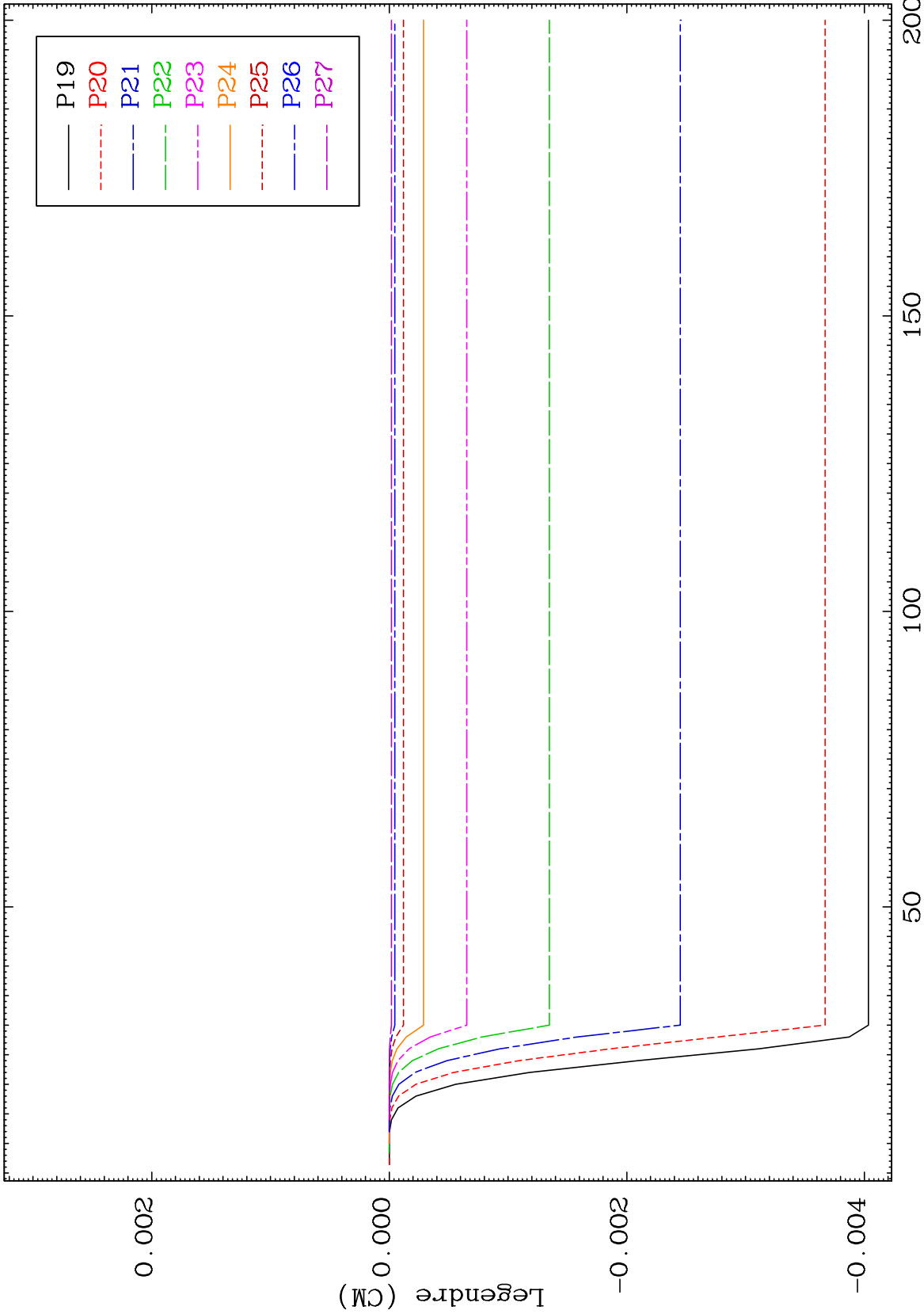
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66-Dy-149

MAT 6604

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

66-Dy-149



46

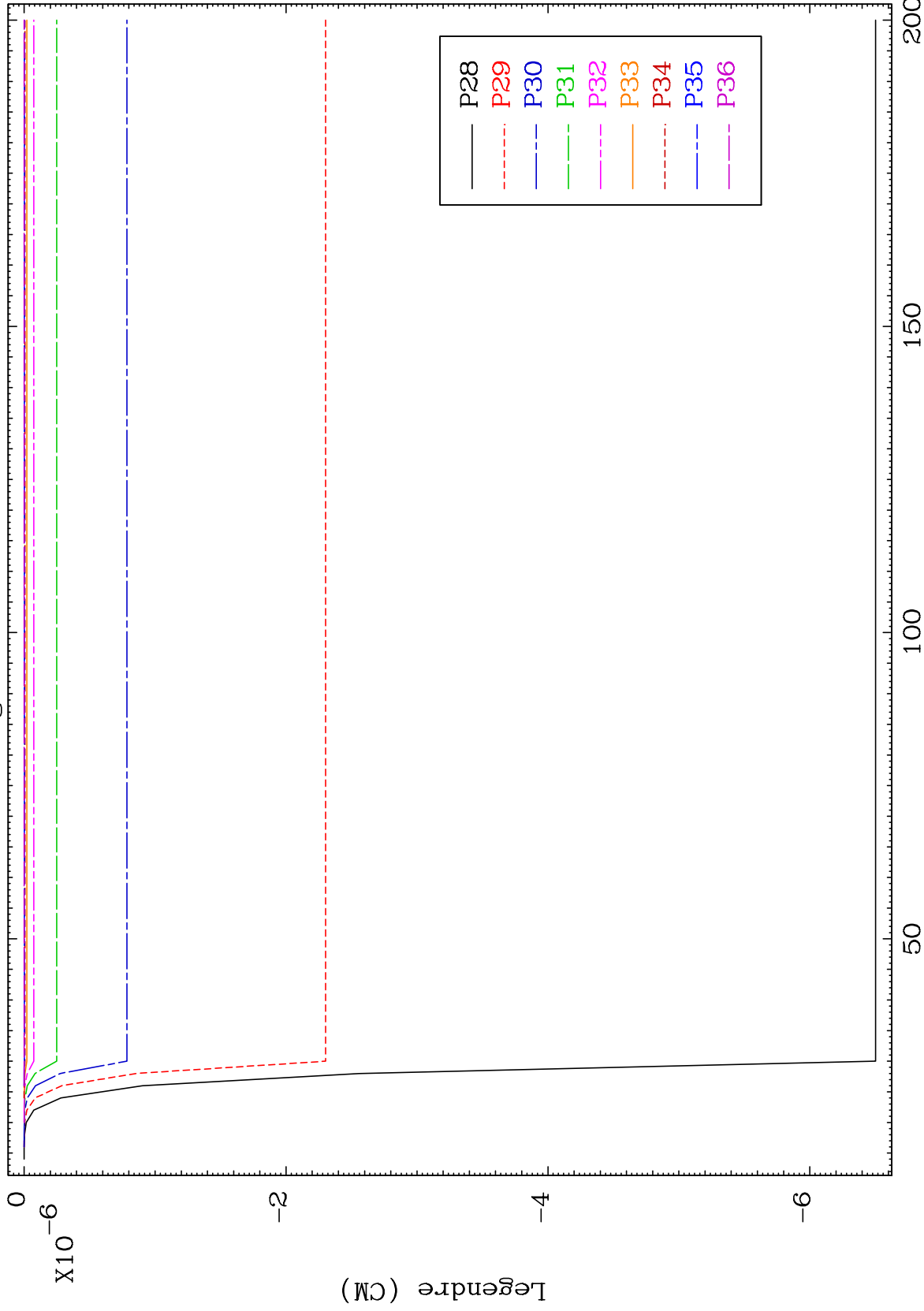
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



47

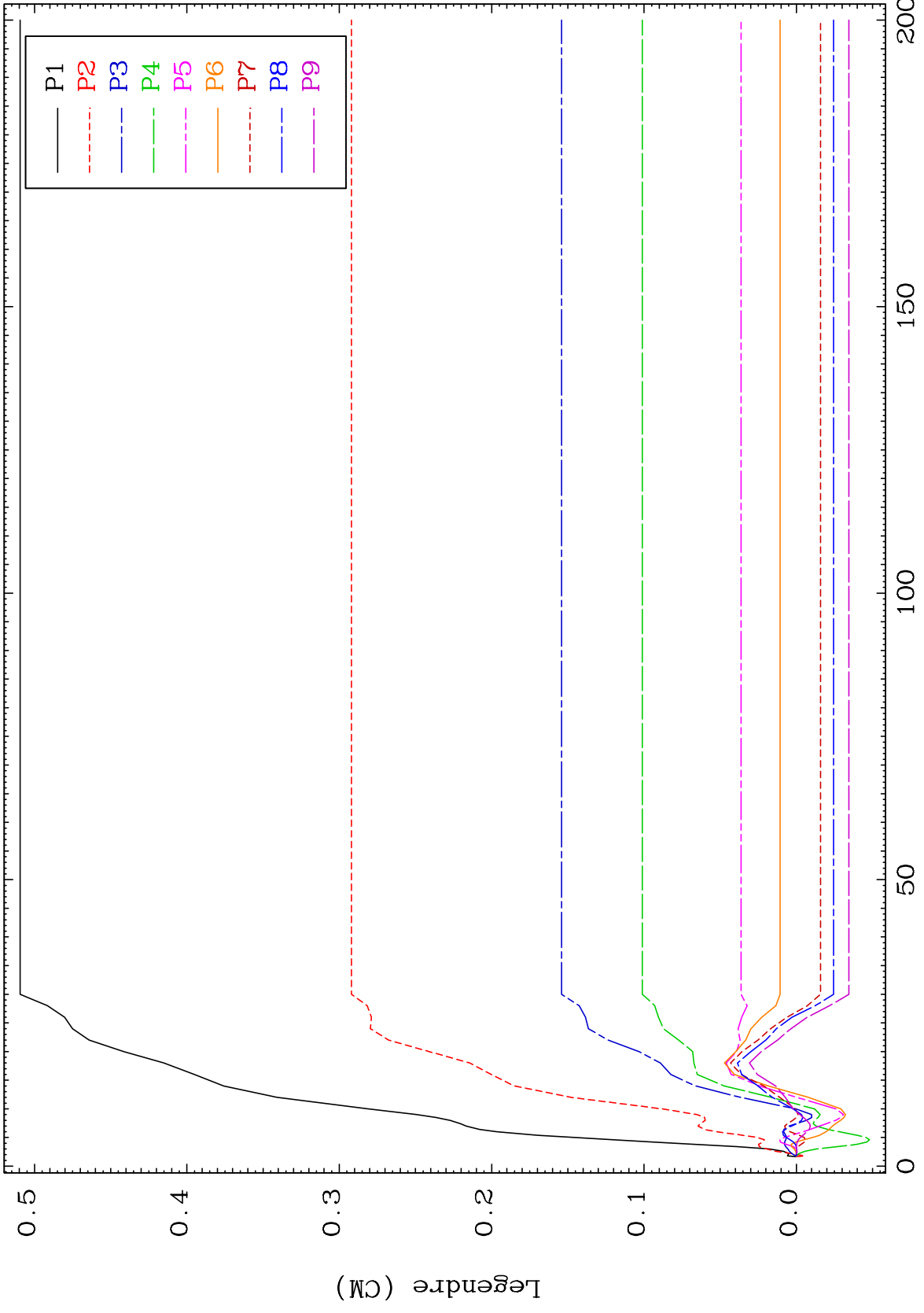
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



48

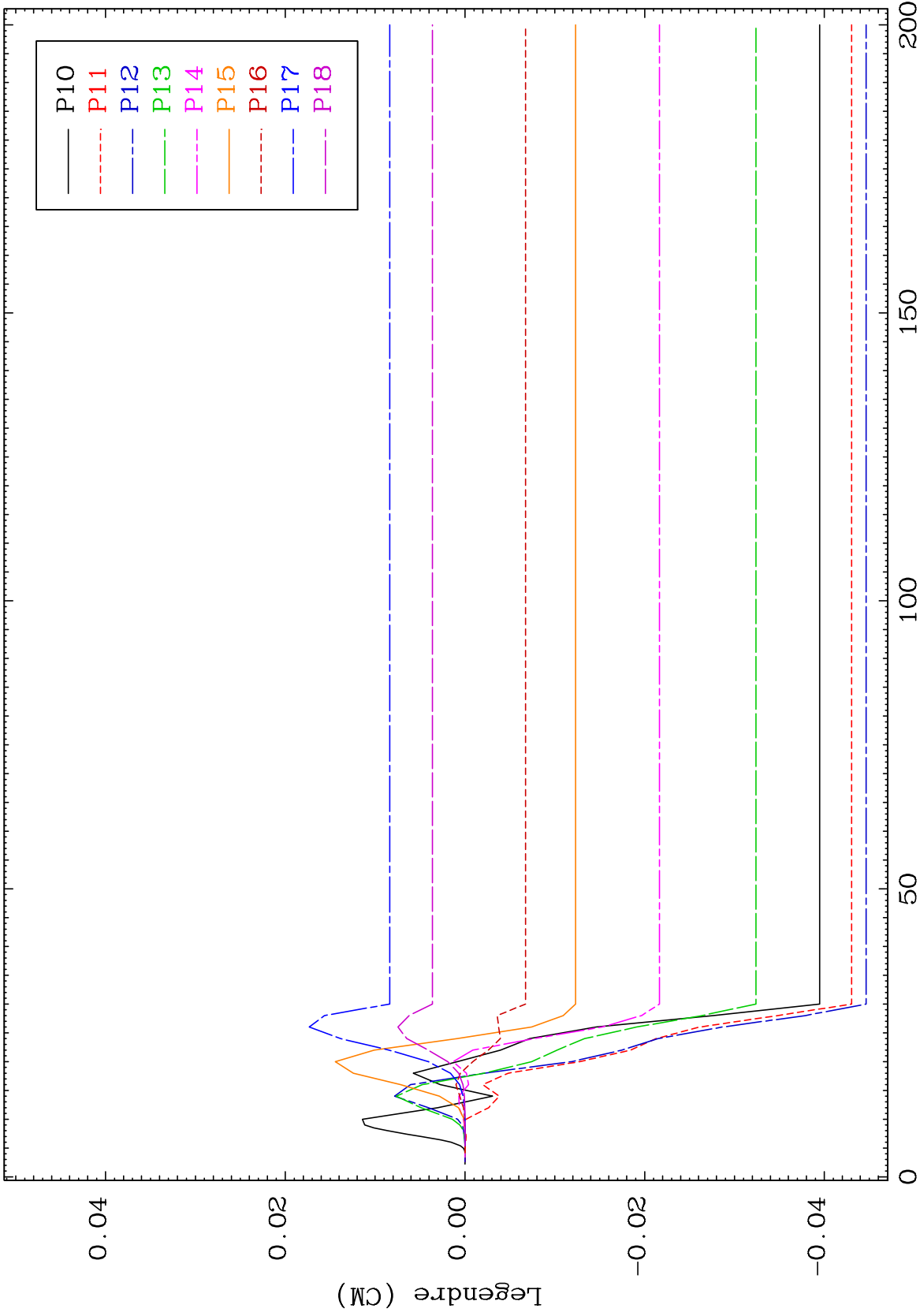
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



49

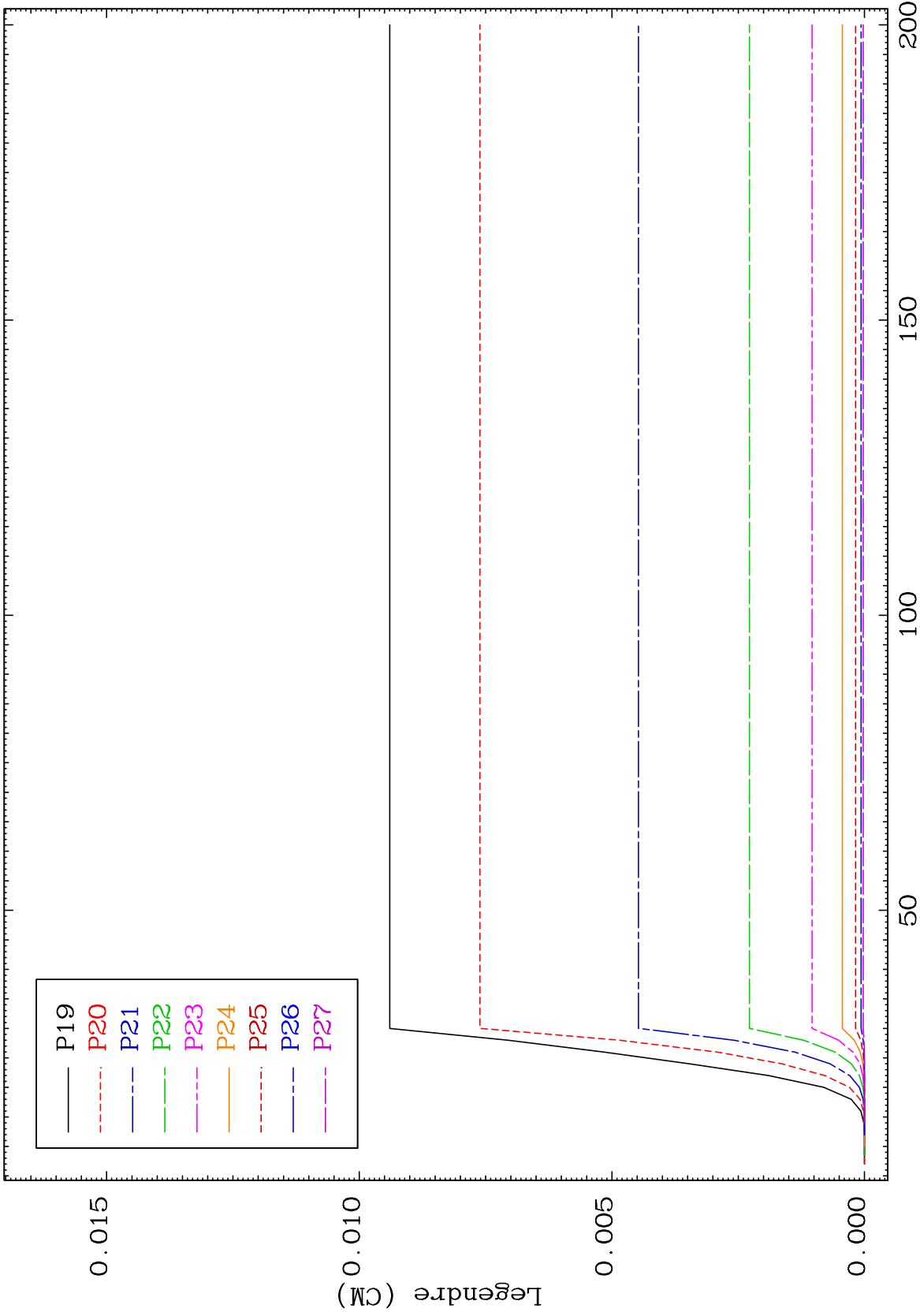
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



50

50

100

150

200

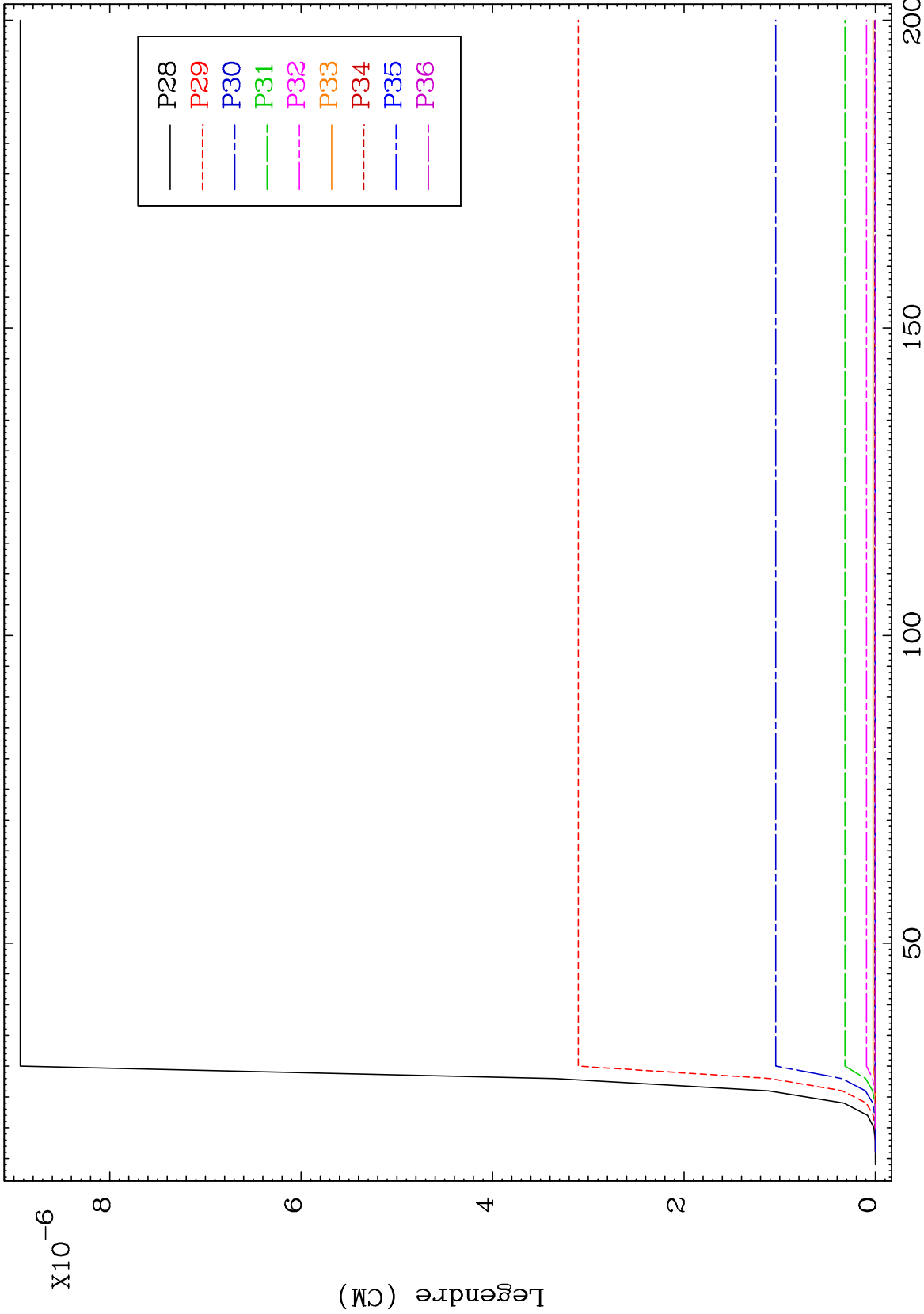
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



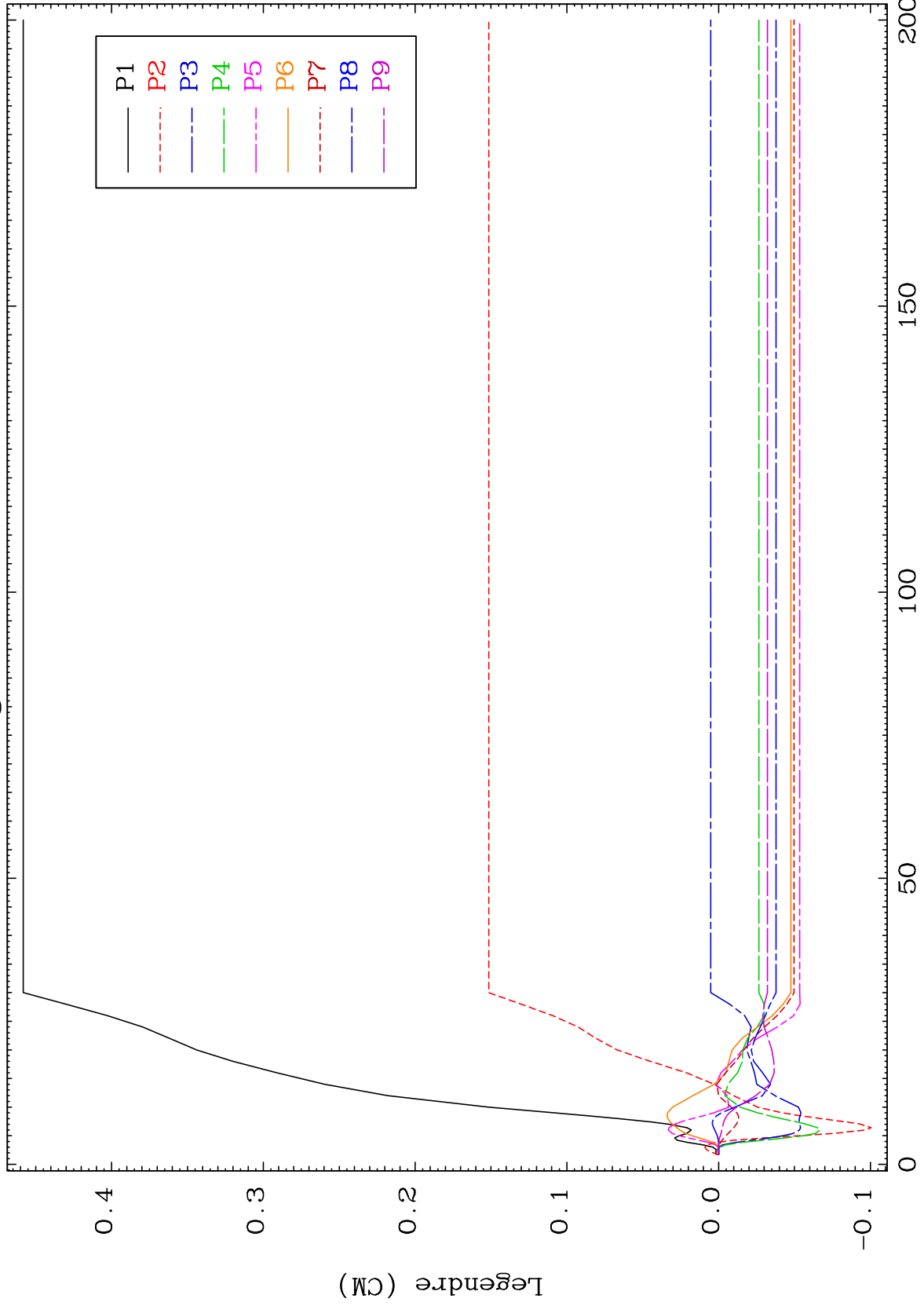
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66-Dy-149

MAT 6604

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

66-Dy-149



52

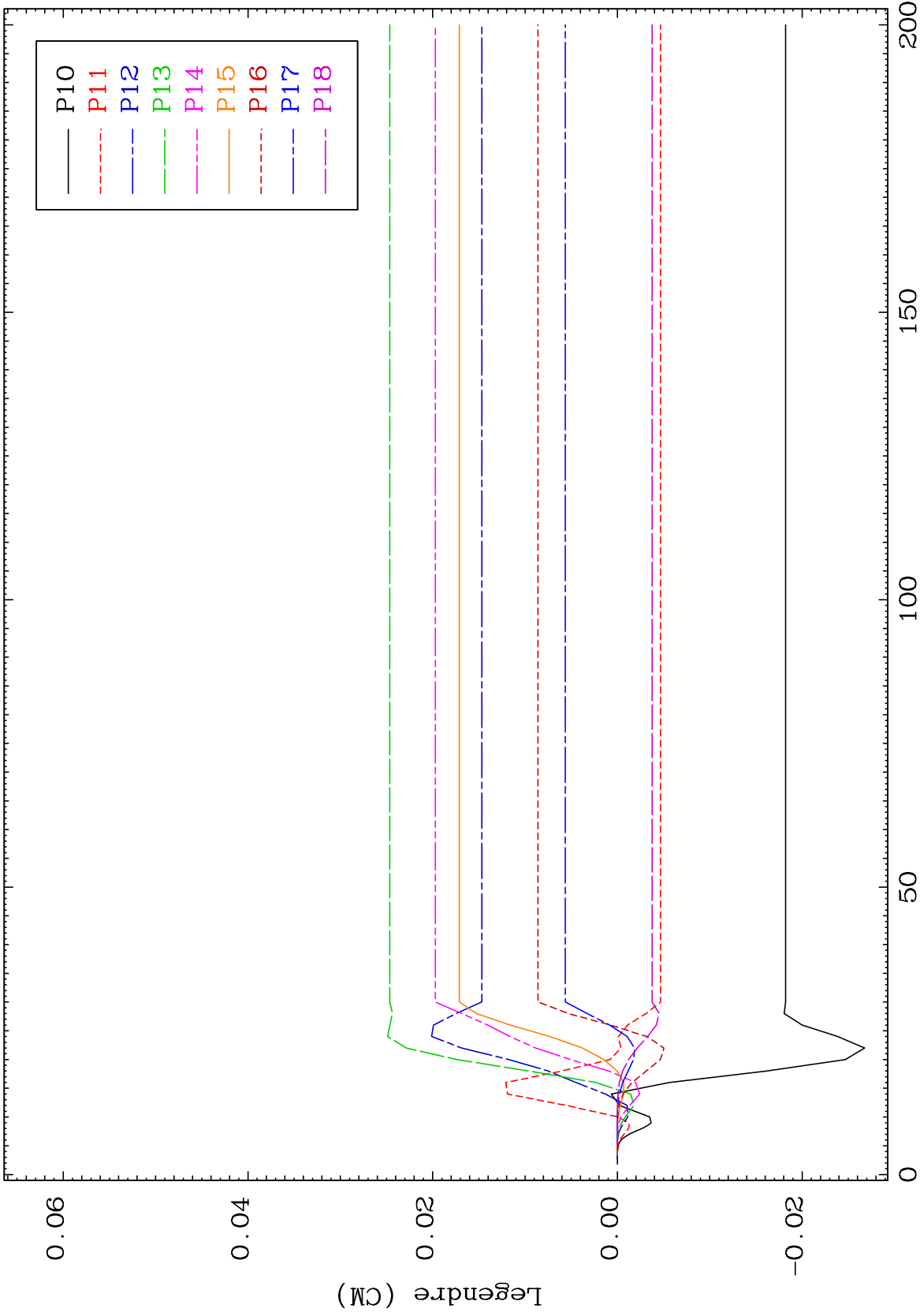
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



53

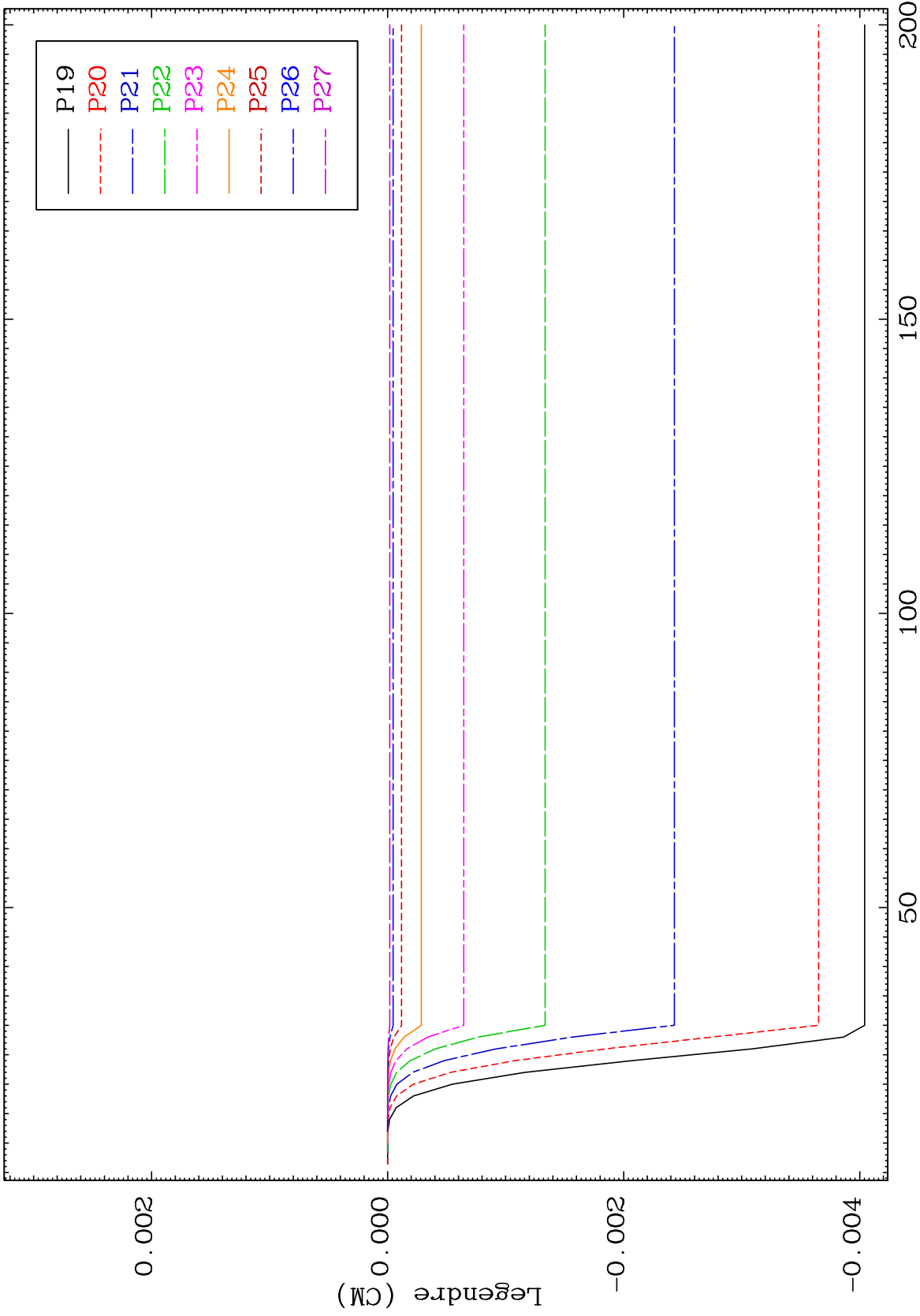
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



54

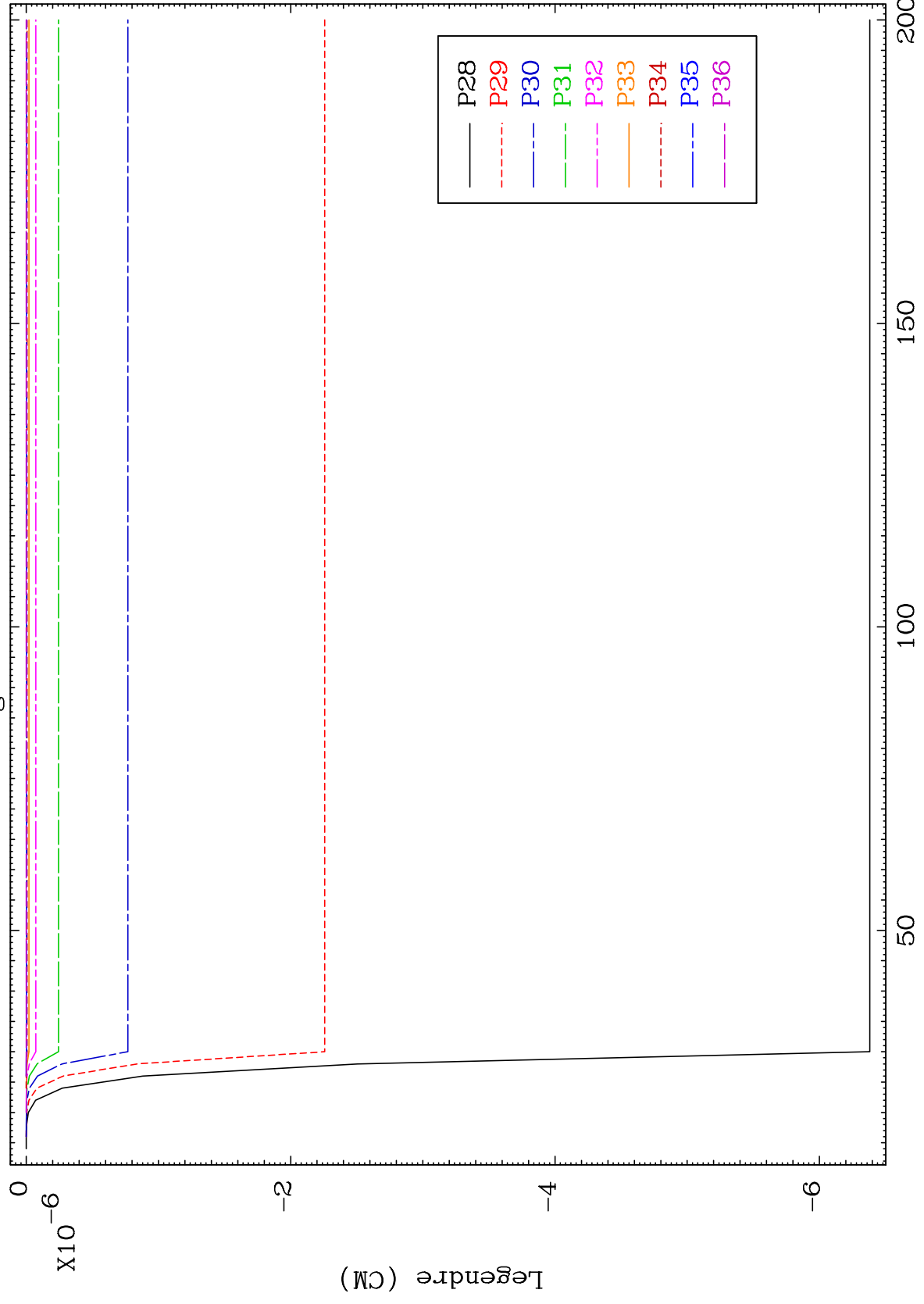
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



66-Dy-149

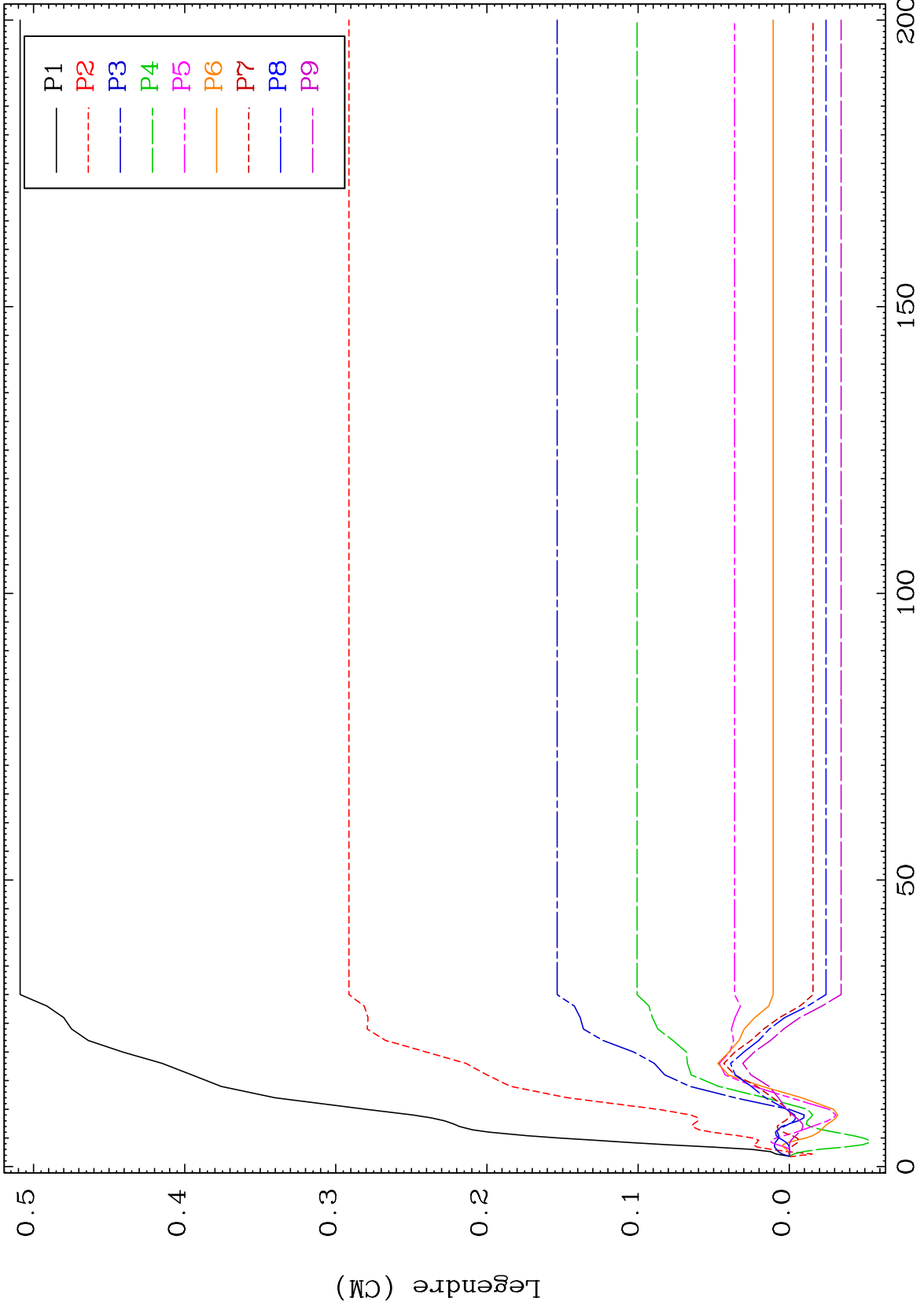
Incident Energy (MeV)

55

MAT 6604

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

66-Dy-149



56

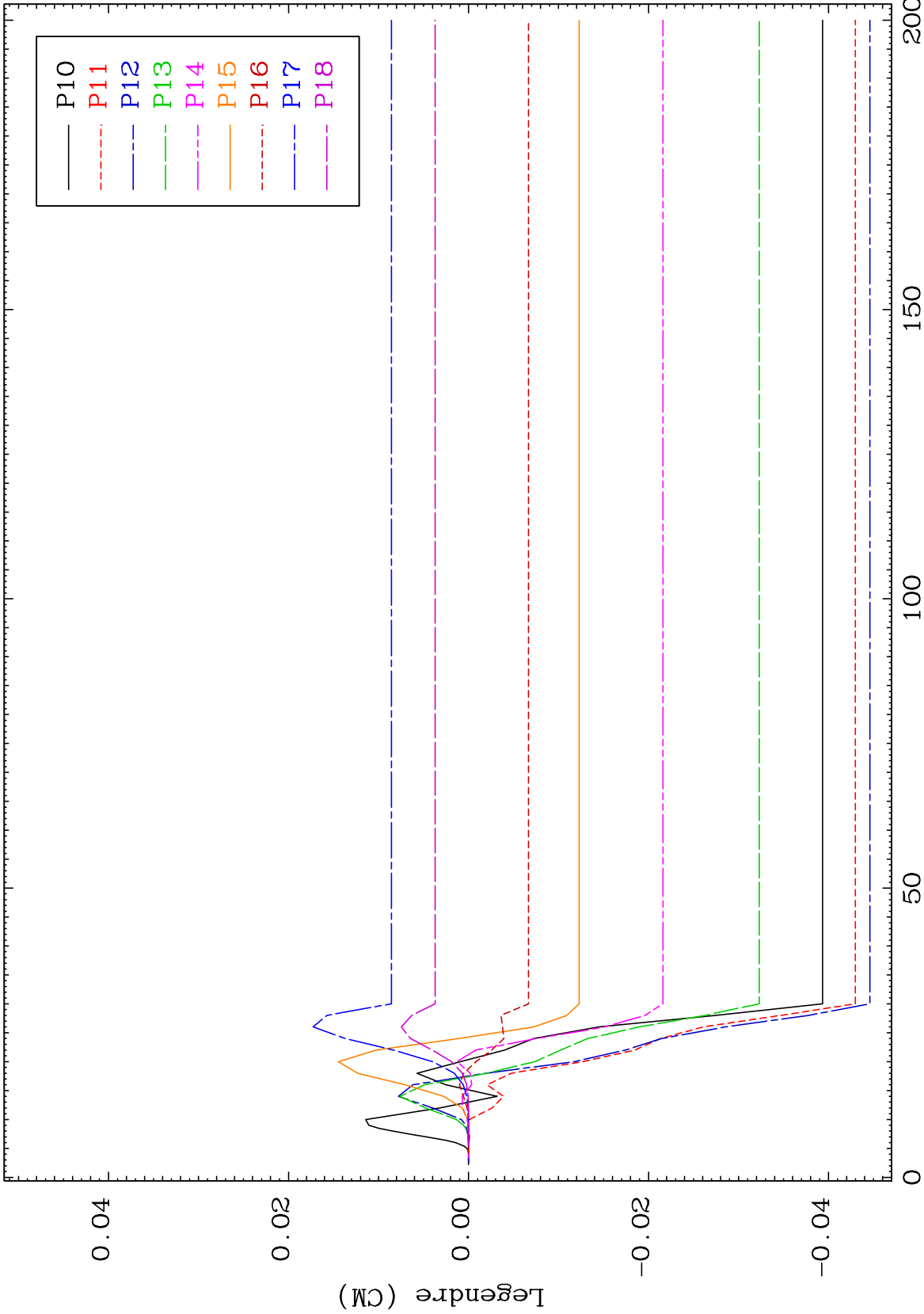
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



57

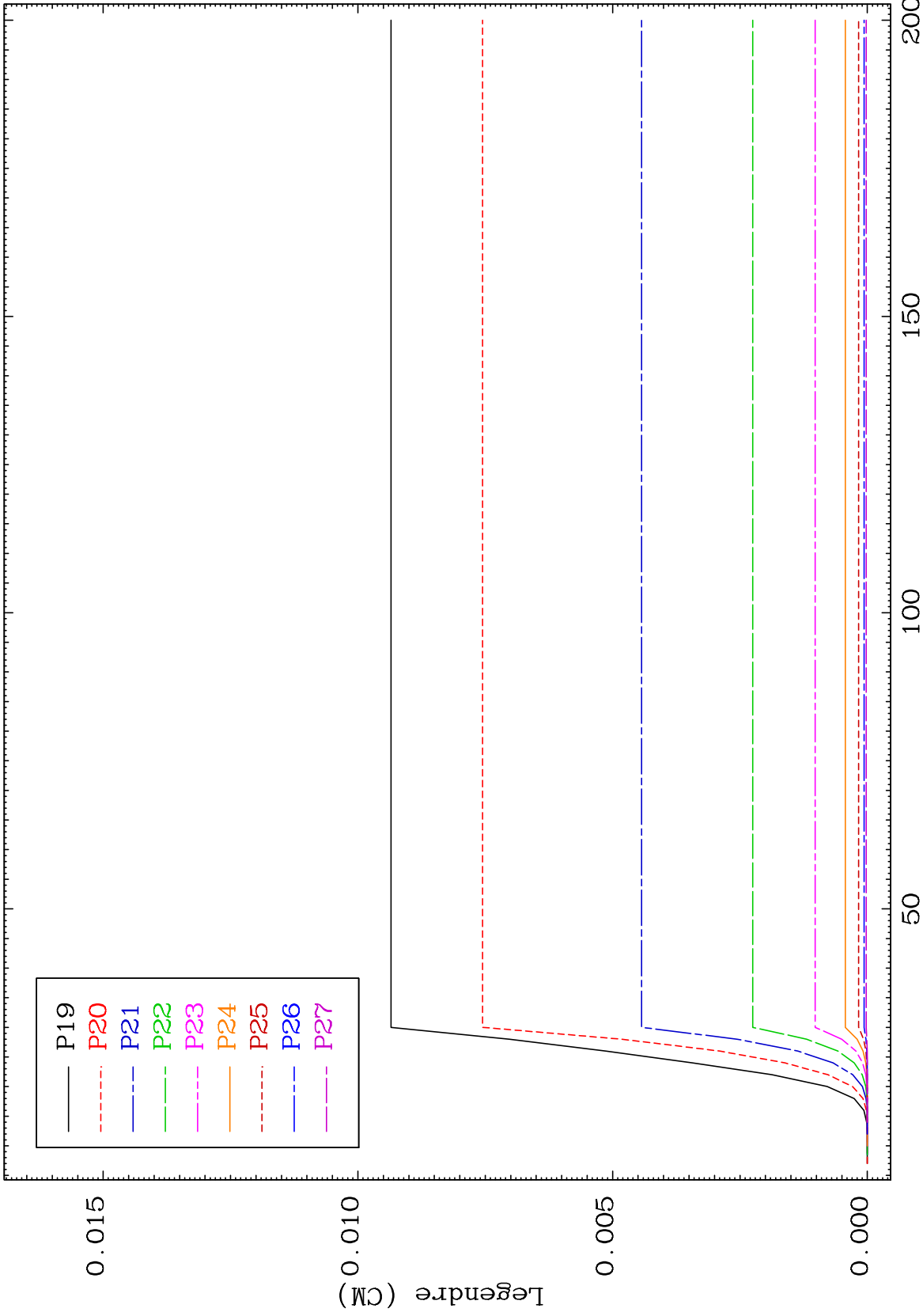
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



58

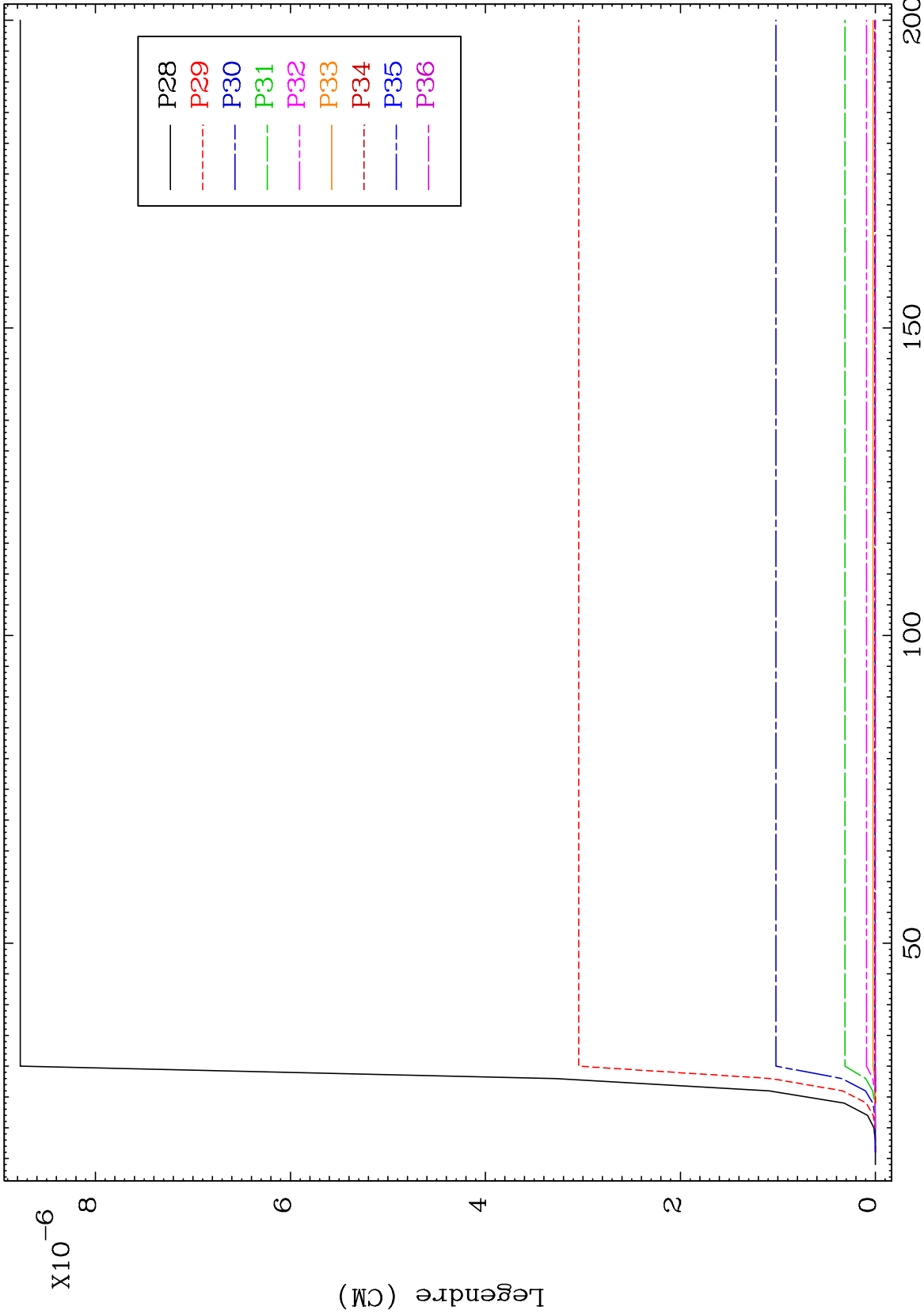
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



59

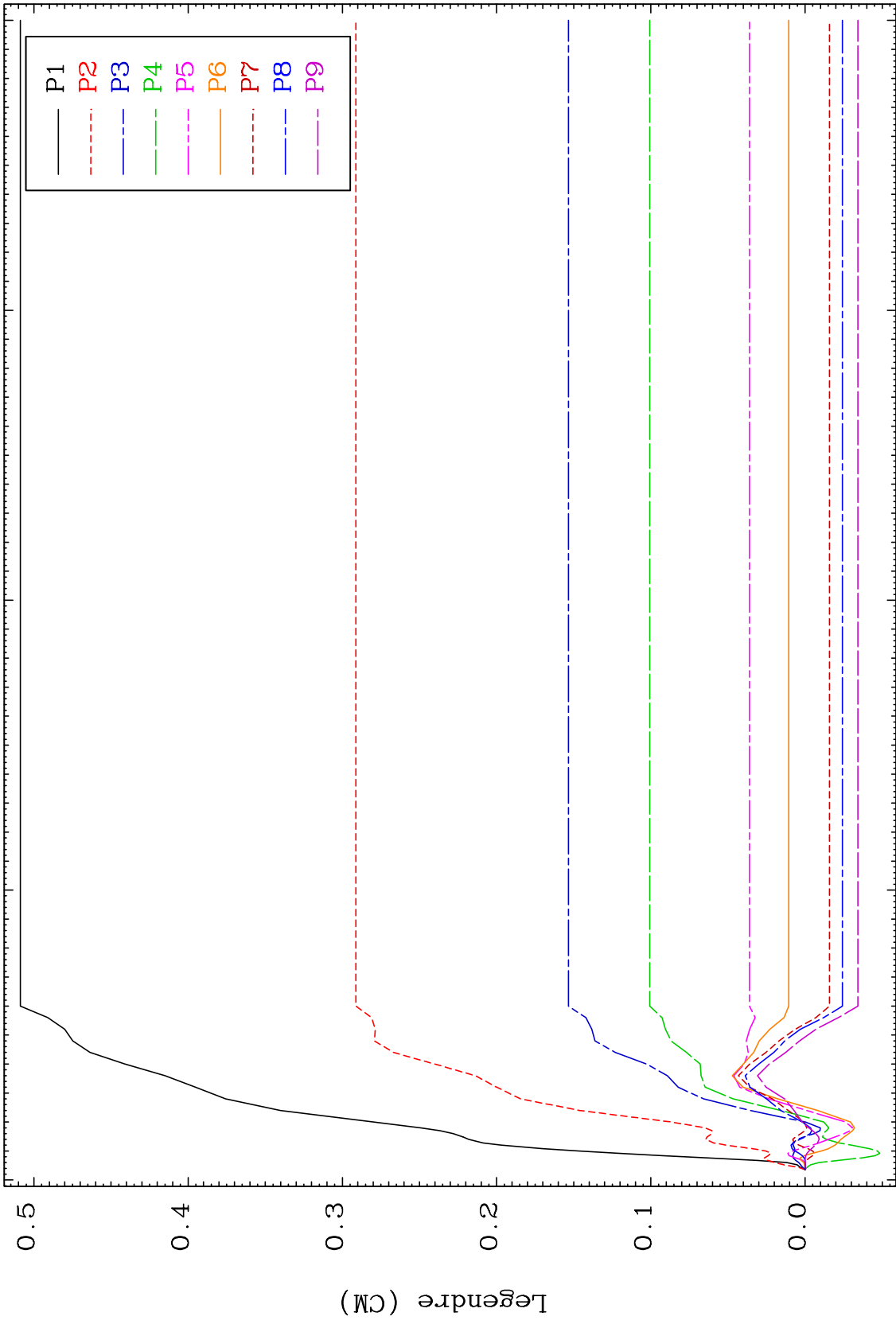
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



66-Dy-149

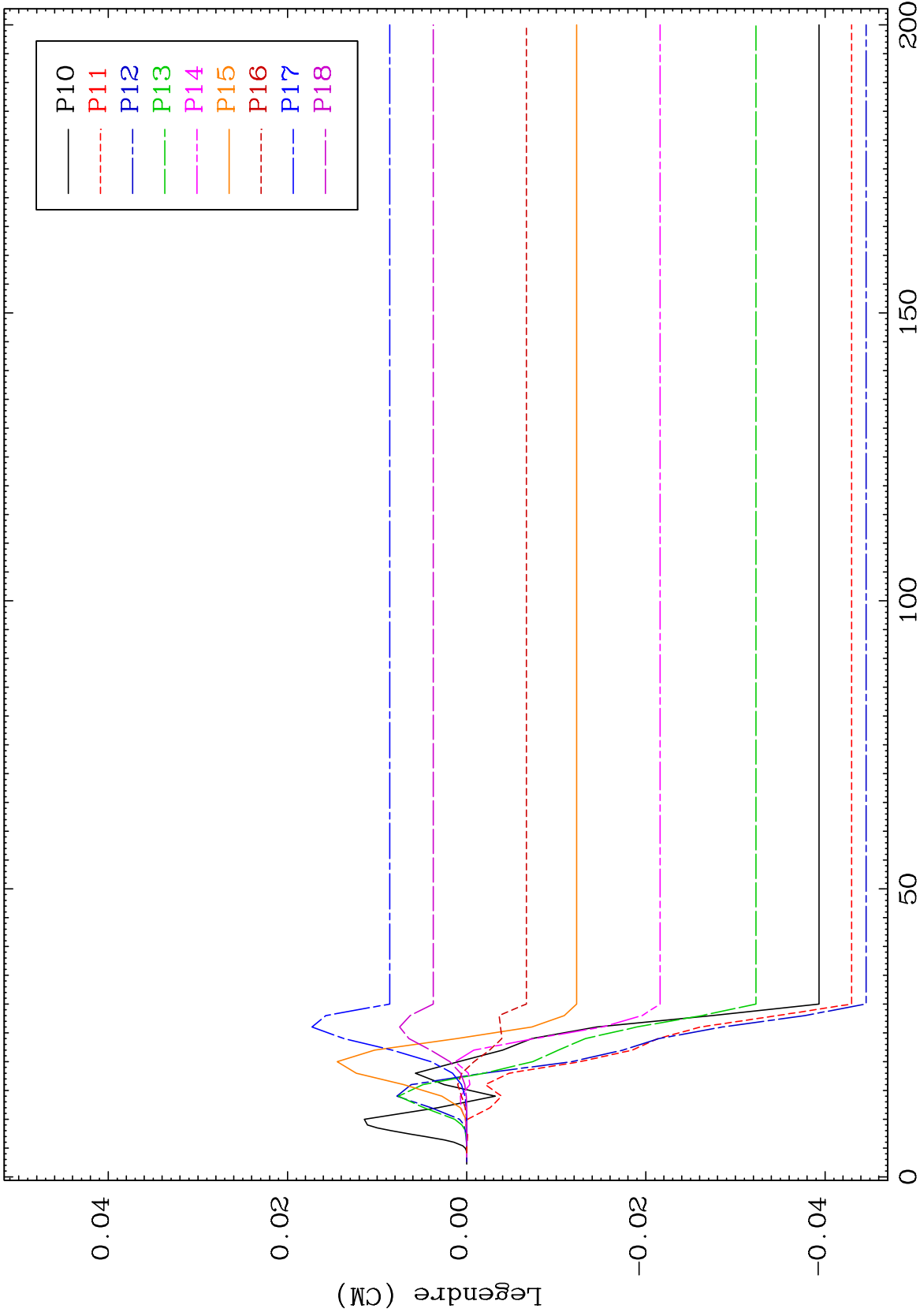
Incident Energy (MeV)

60

MAT 6604

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

66-Dy-149



61

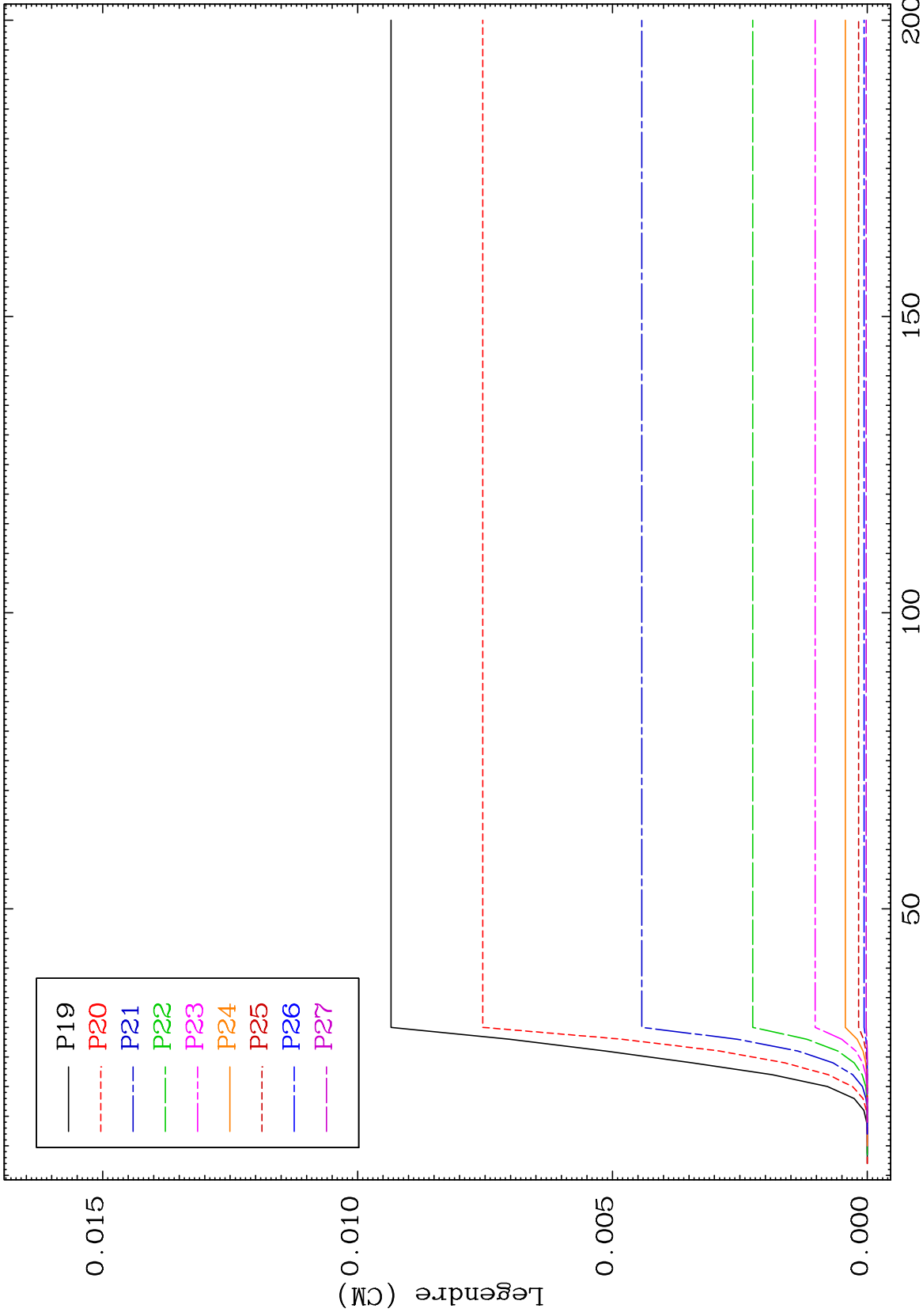
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



62

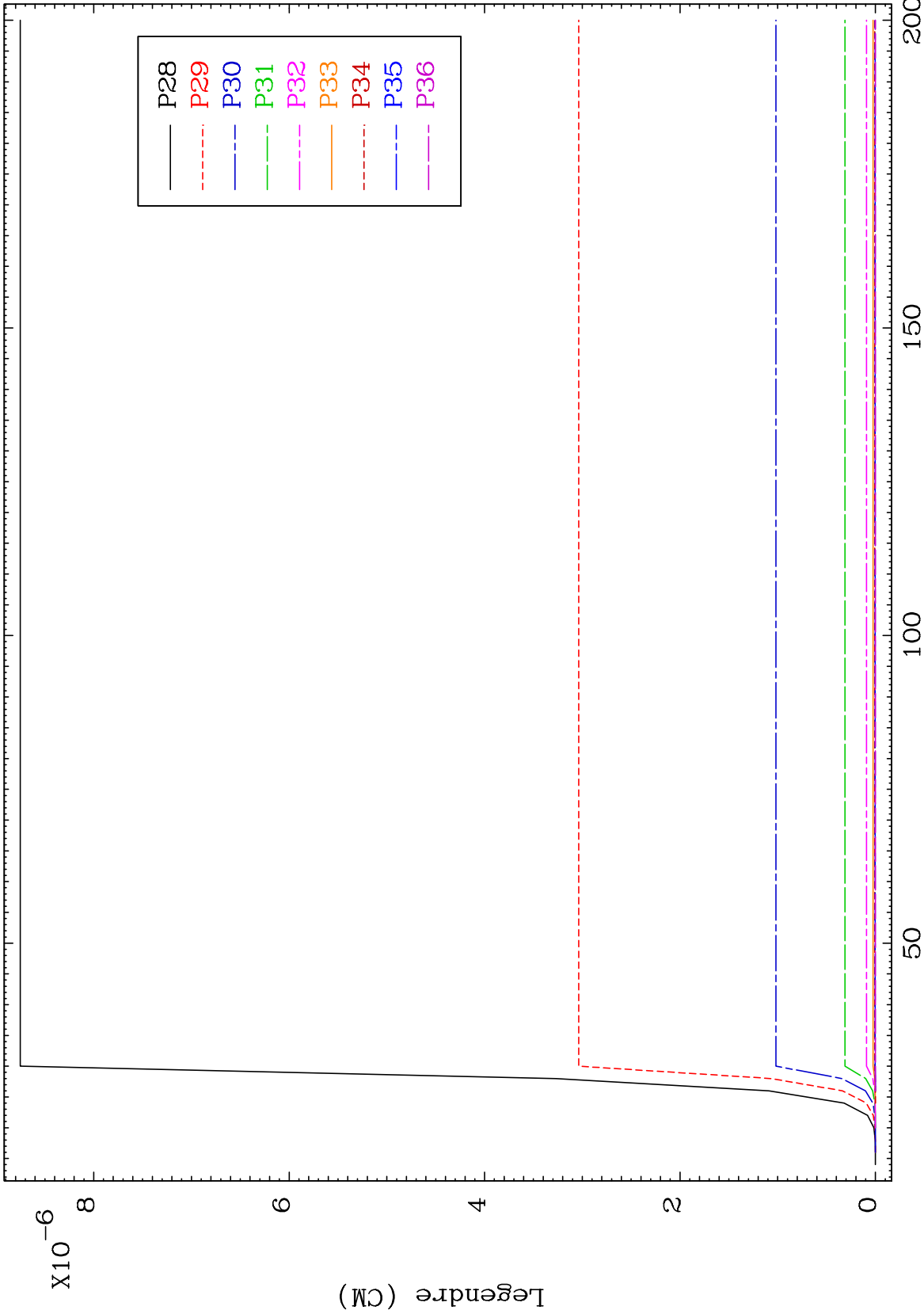
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



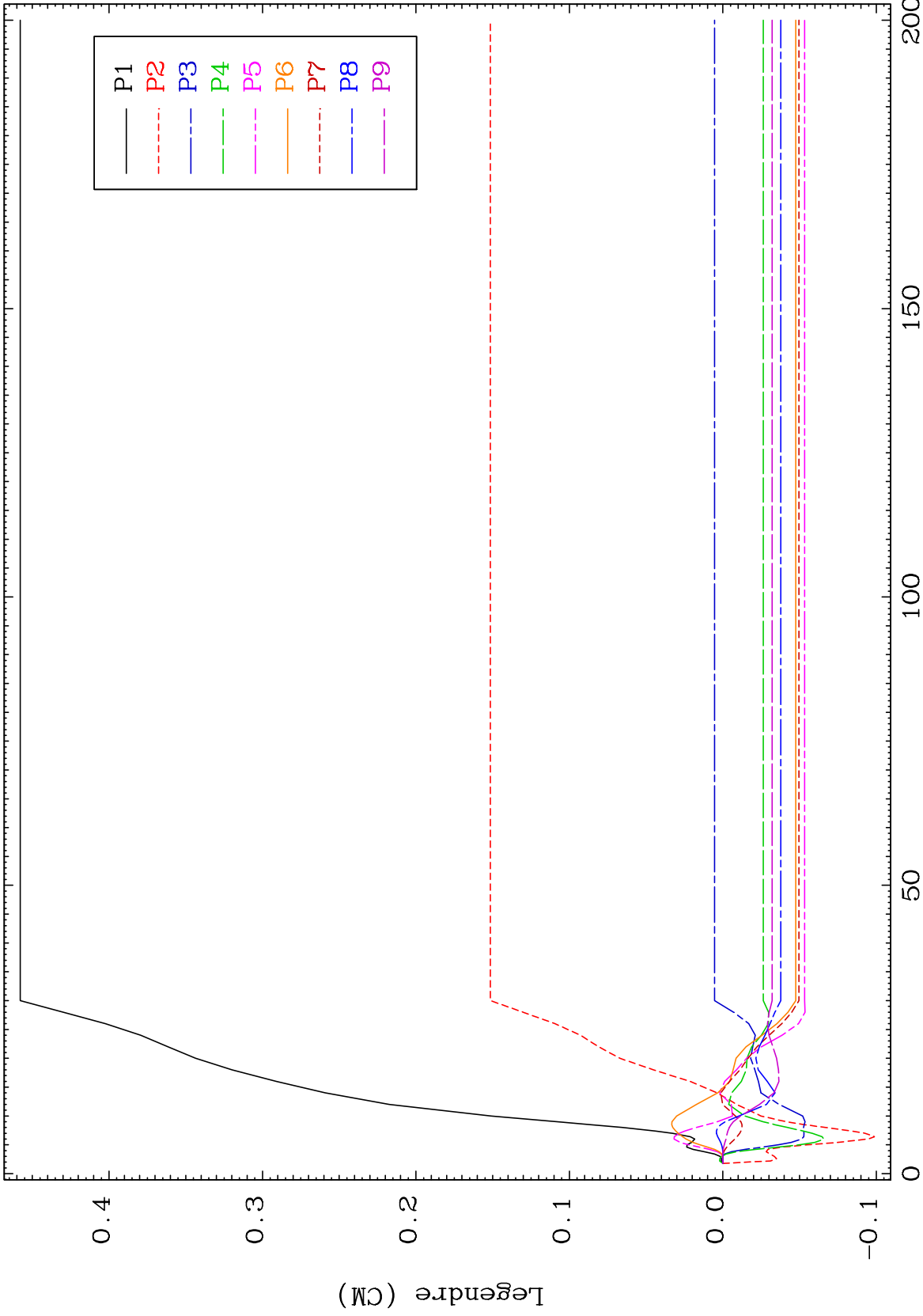
63

66-Dy-149

MAT 6604

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

66-Dy-149



64

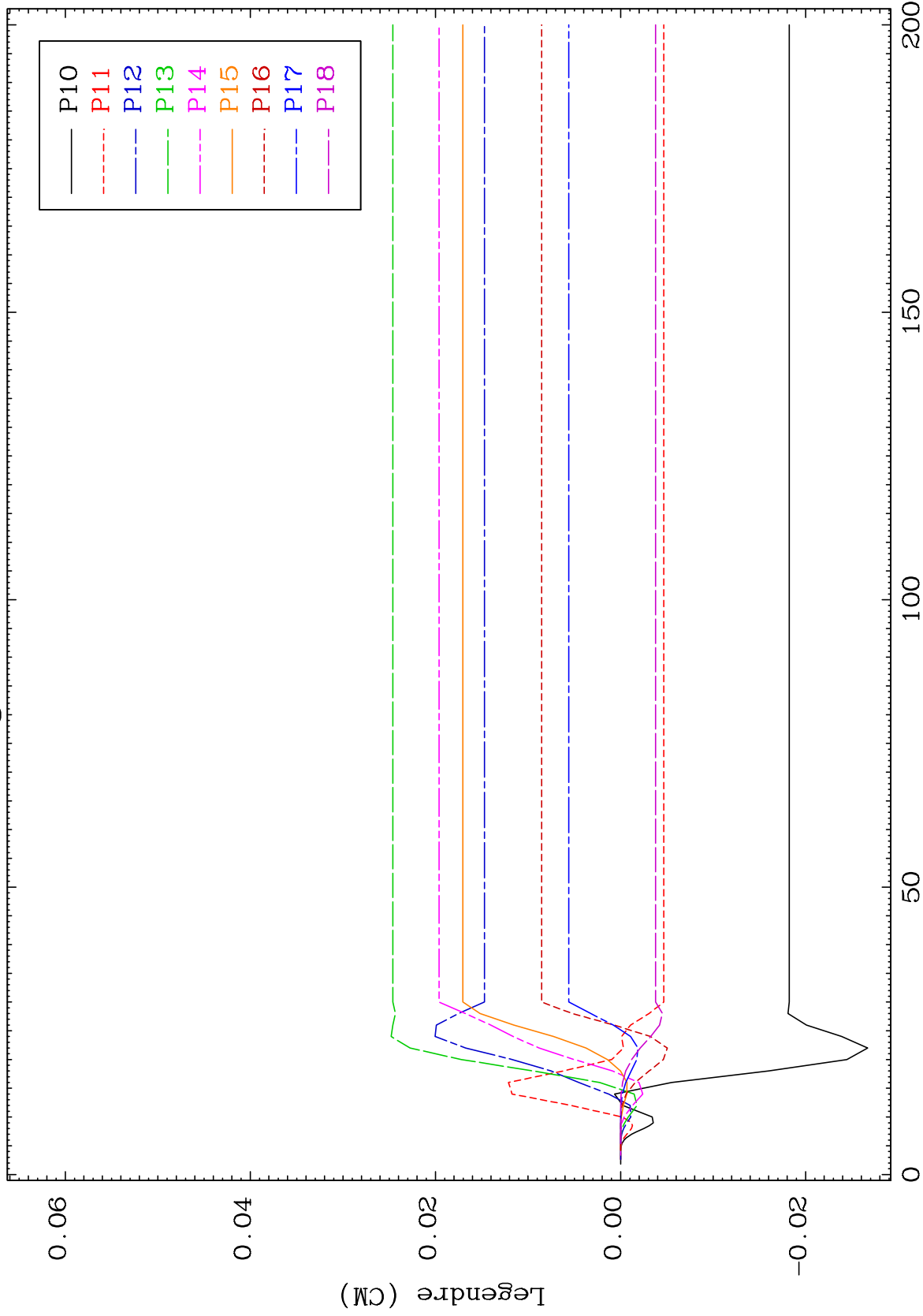
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



65

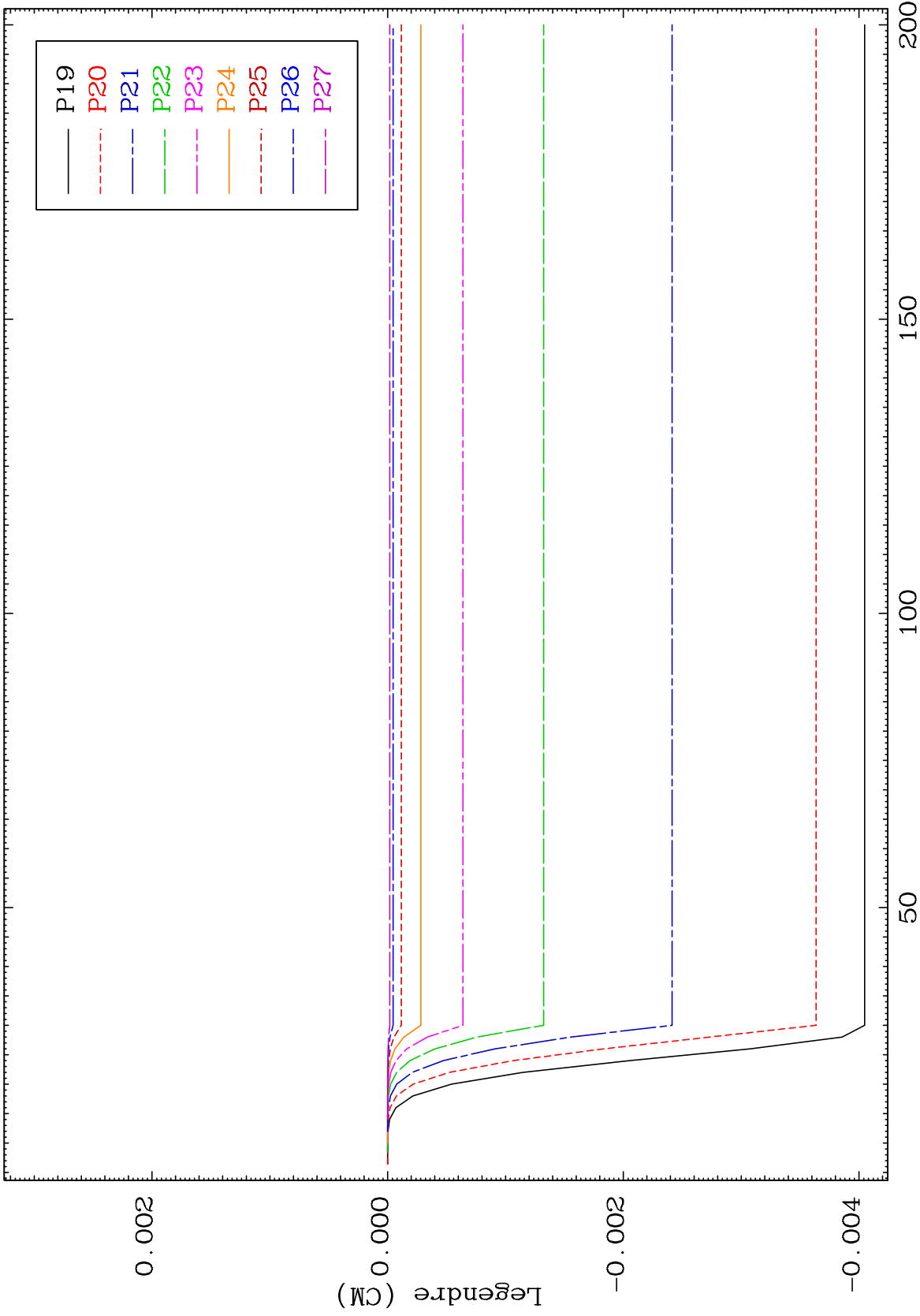
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



66

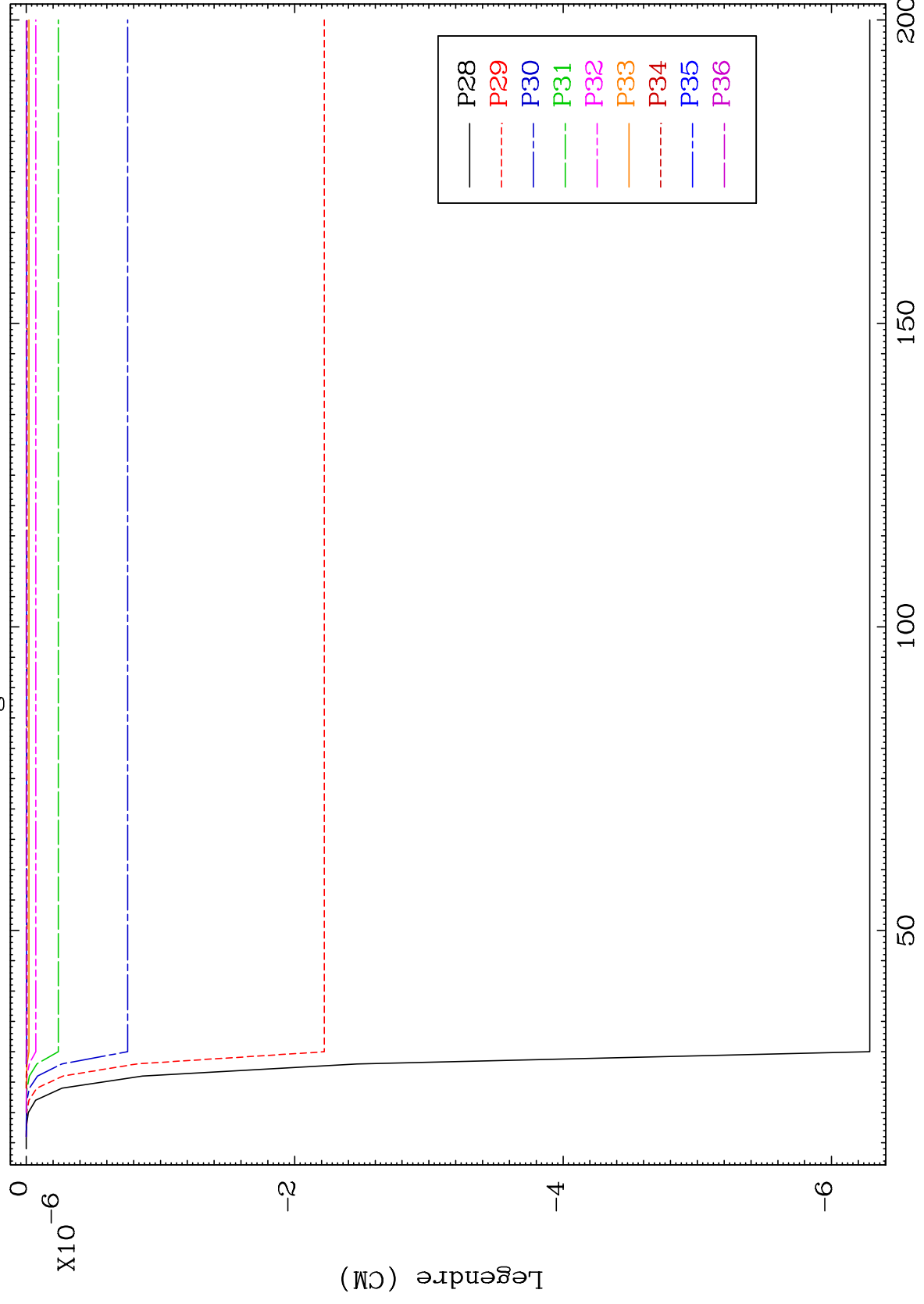
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



66-Dy-149

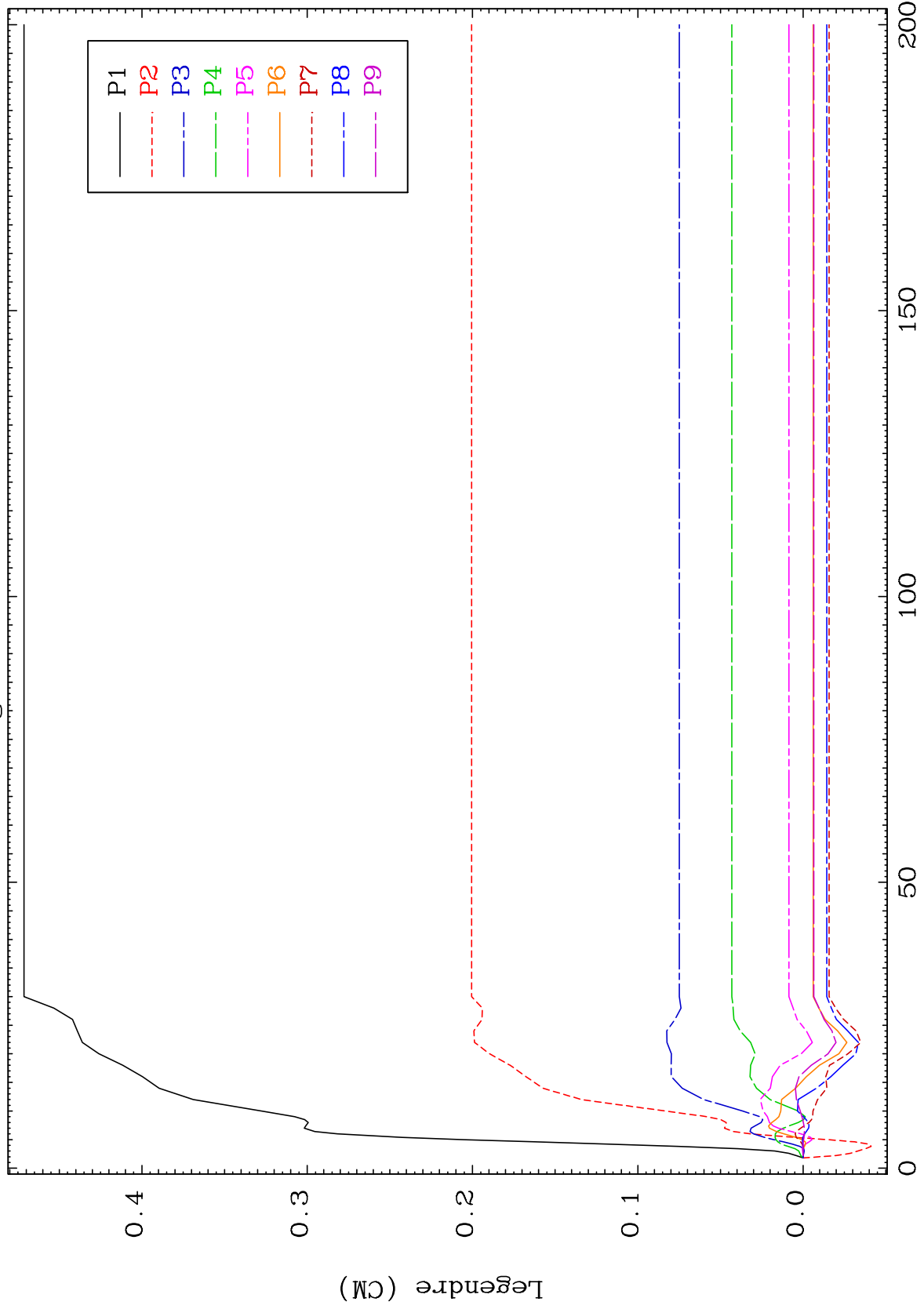
Incident Energy (MeV)

67

MAT 6604

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

66-Dy-149



68

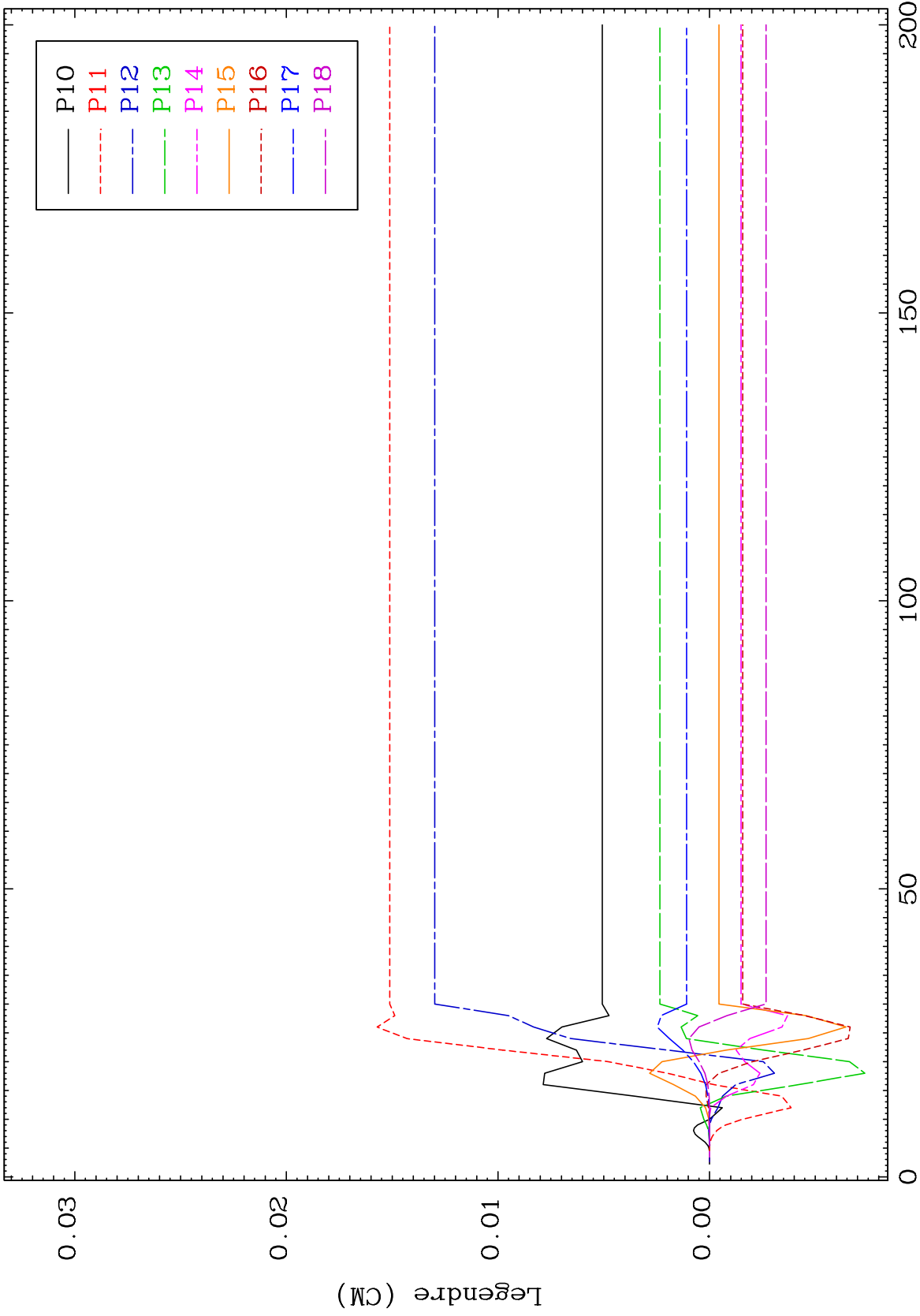
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



69

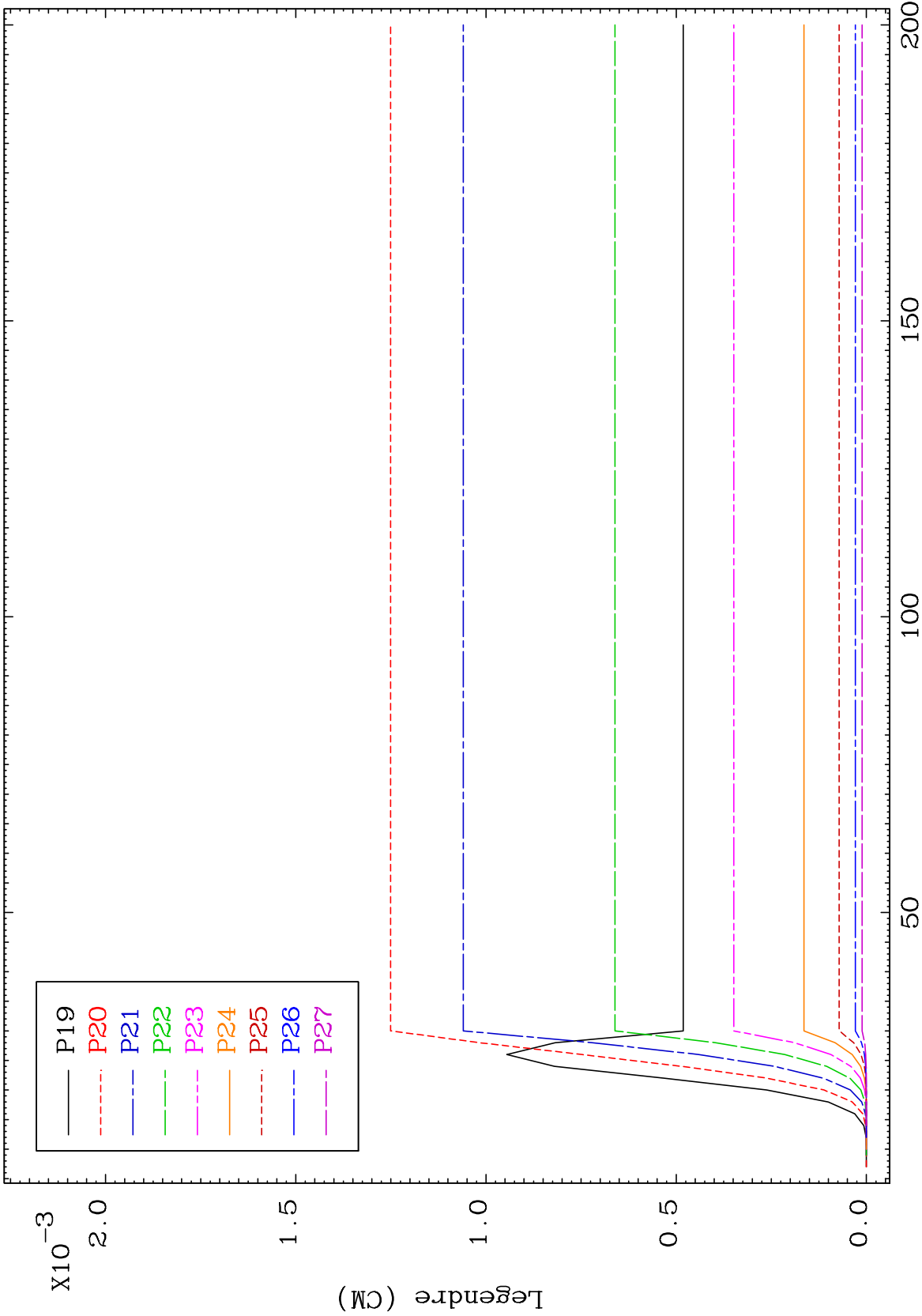
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



70

Incident Energy (MeV)

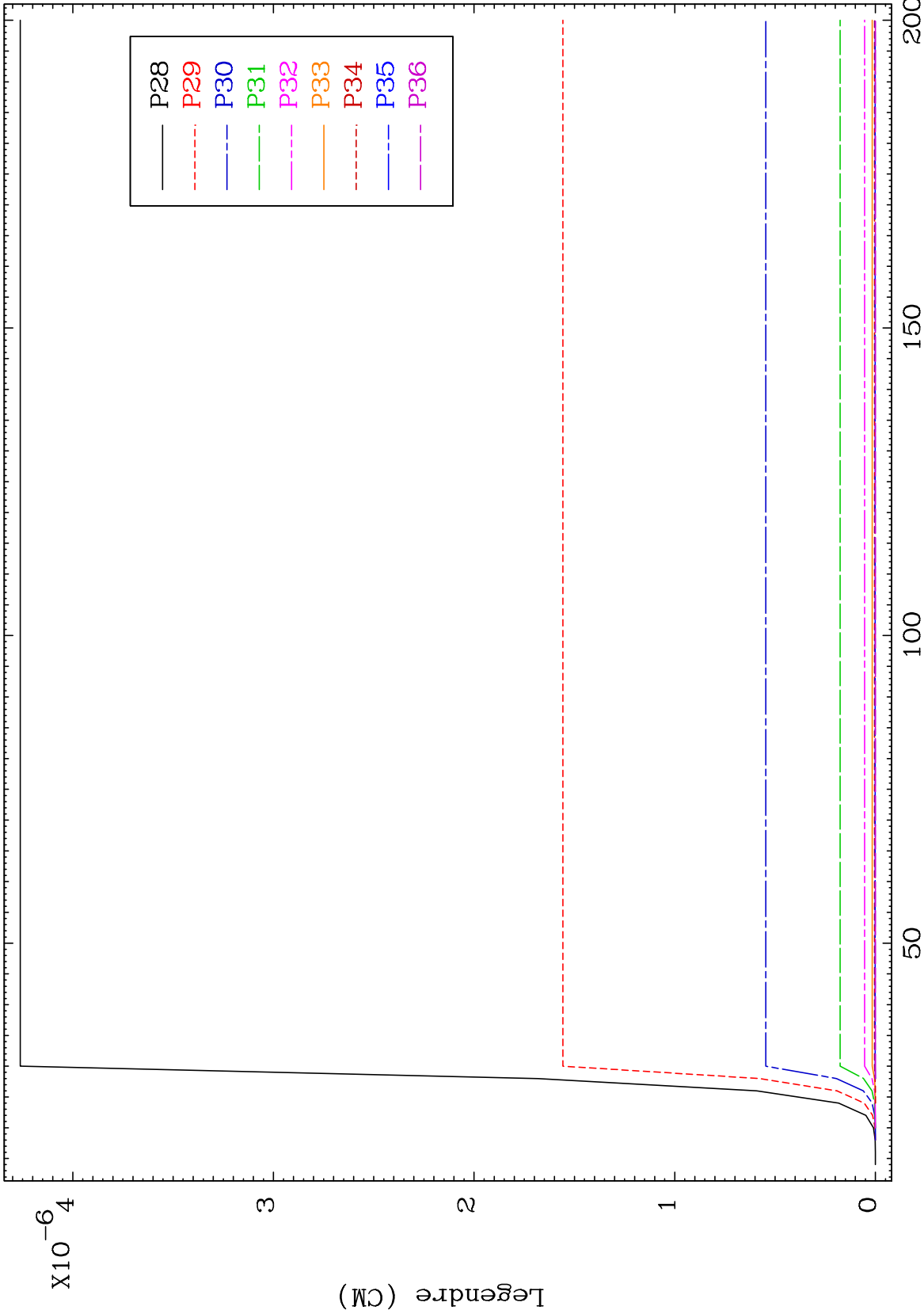
150

66-Dy-149

MAT 6604

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

66-Dy-149



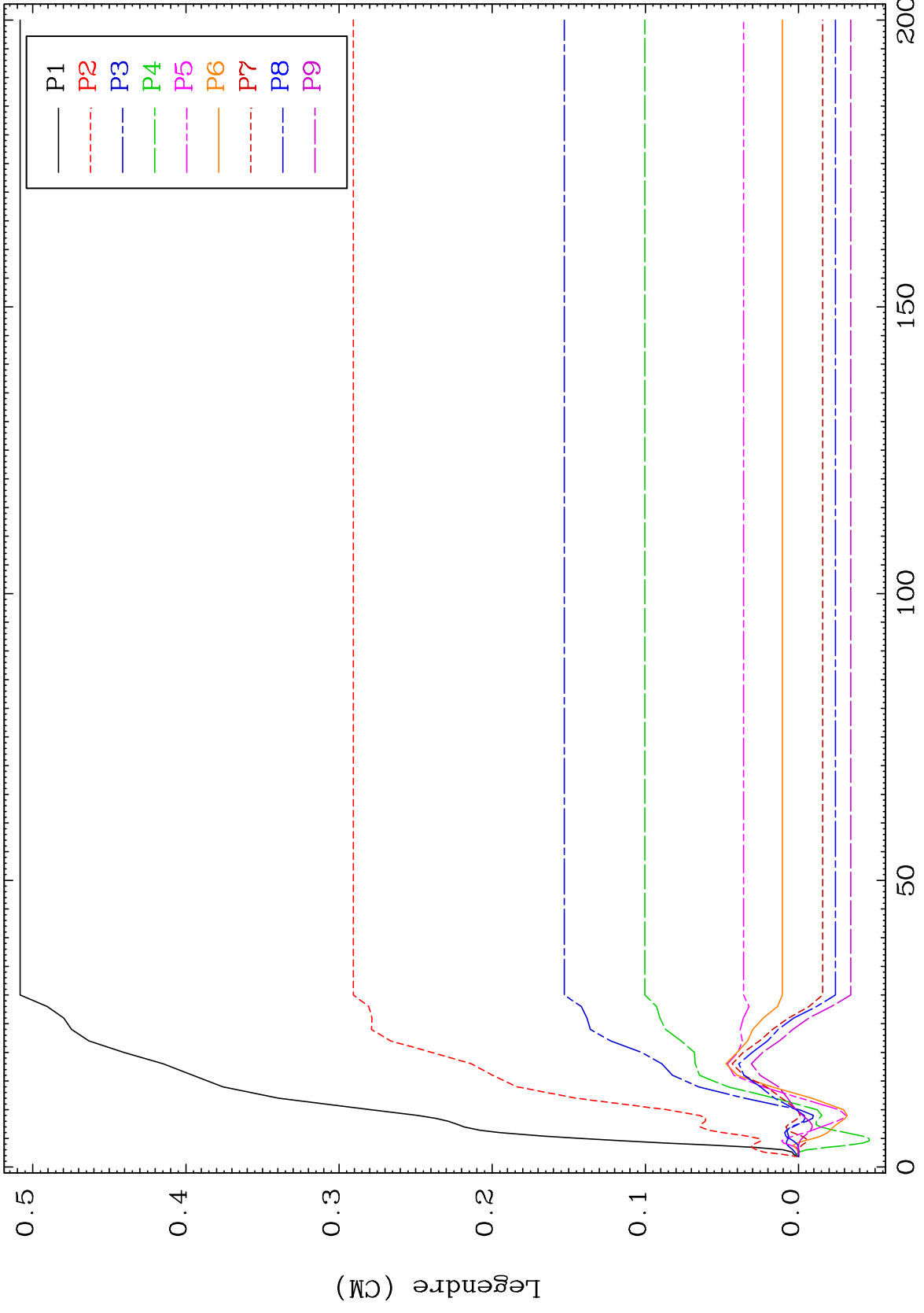
71

66-Dy-149

MAT 6604

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

66-Dy-149



66-Dy-149

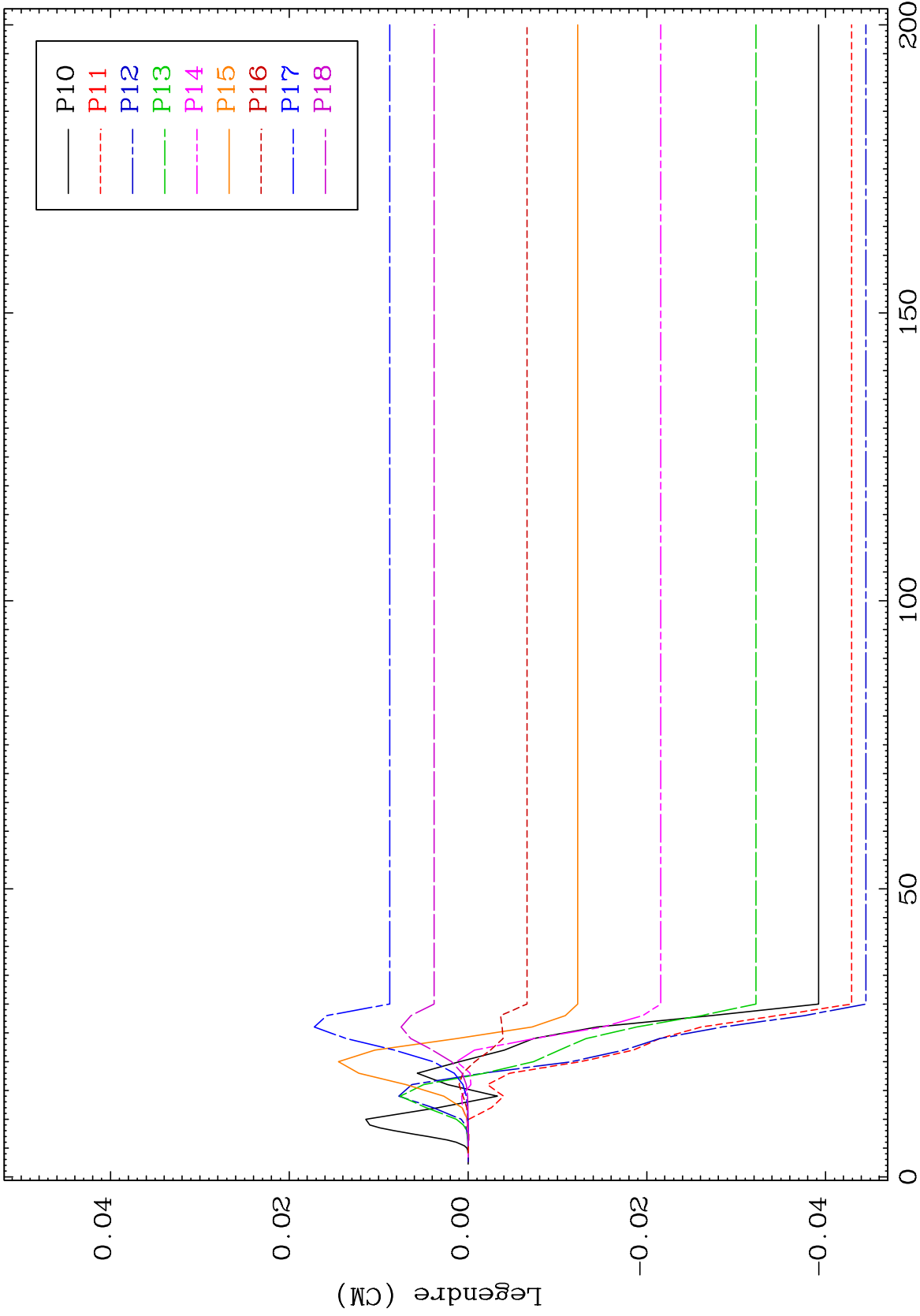
Incident Energy (MeV)

72

MAT 6604

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

66-Dy-149



73

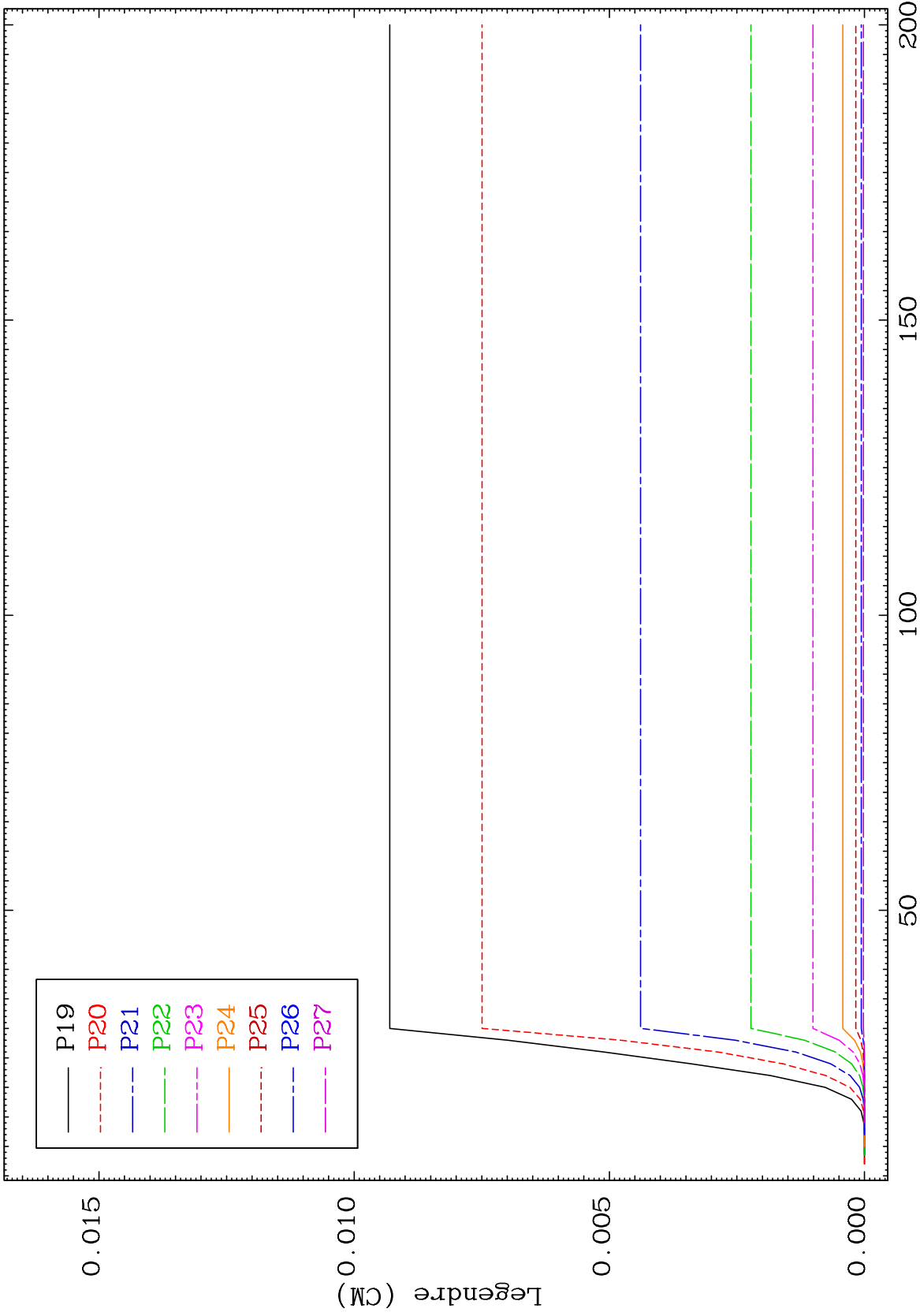
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



74

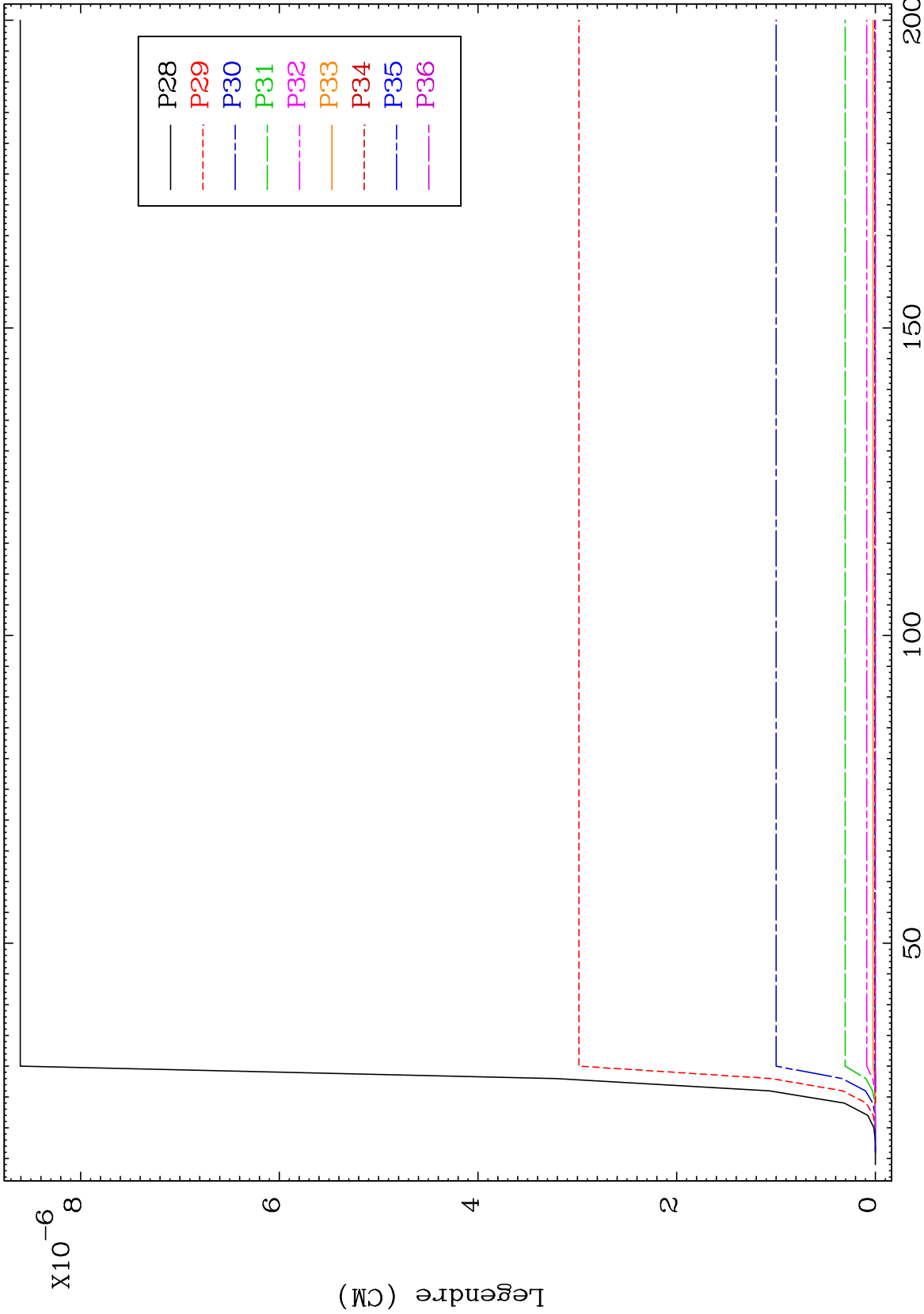
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



75

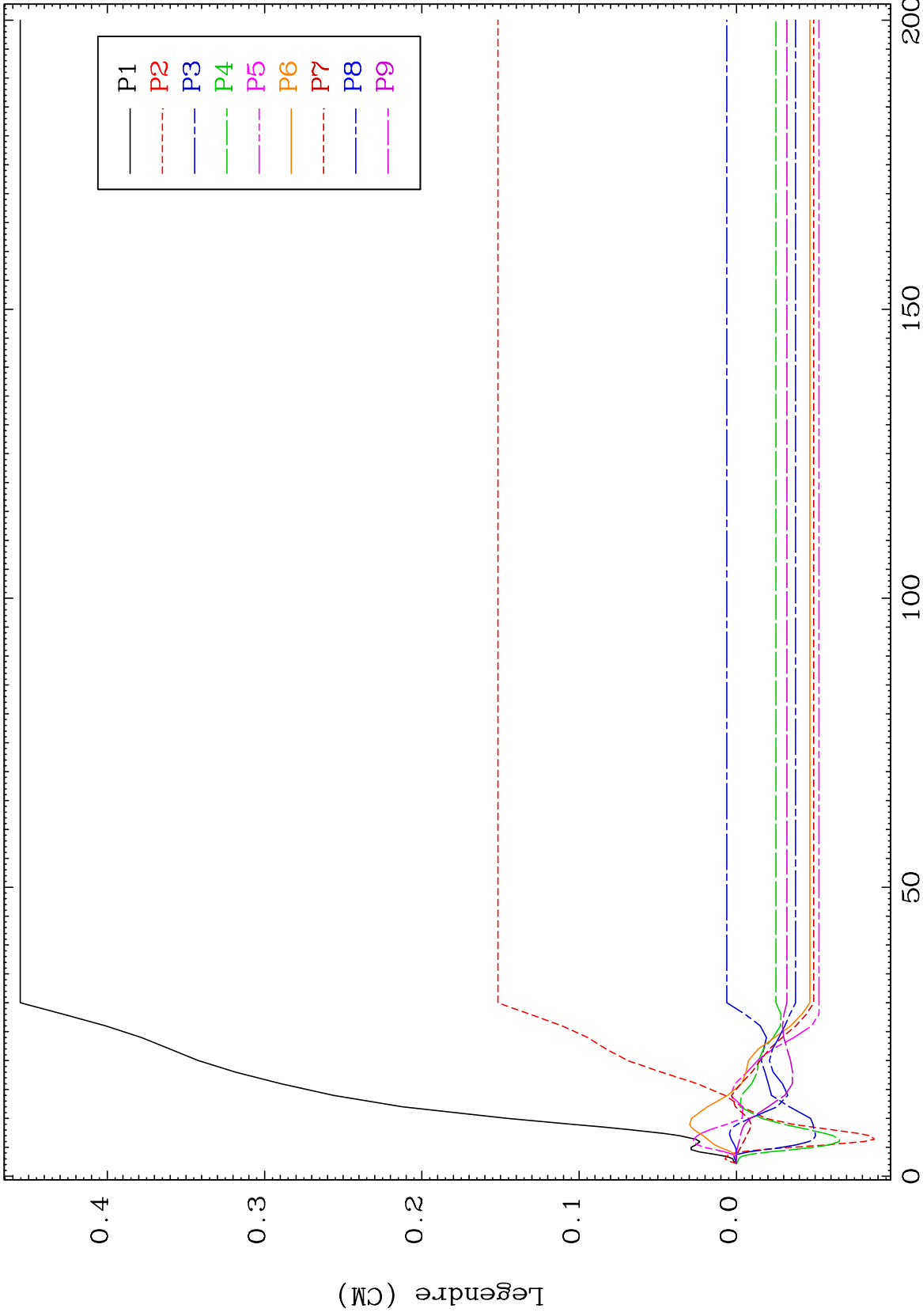
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



76

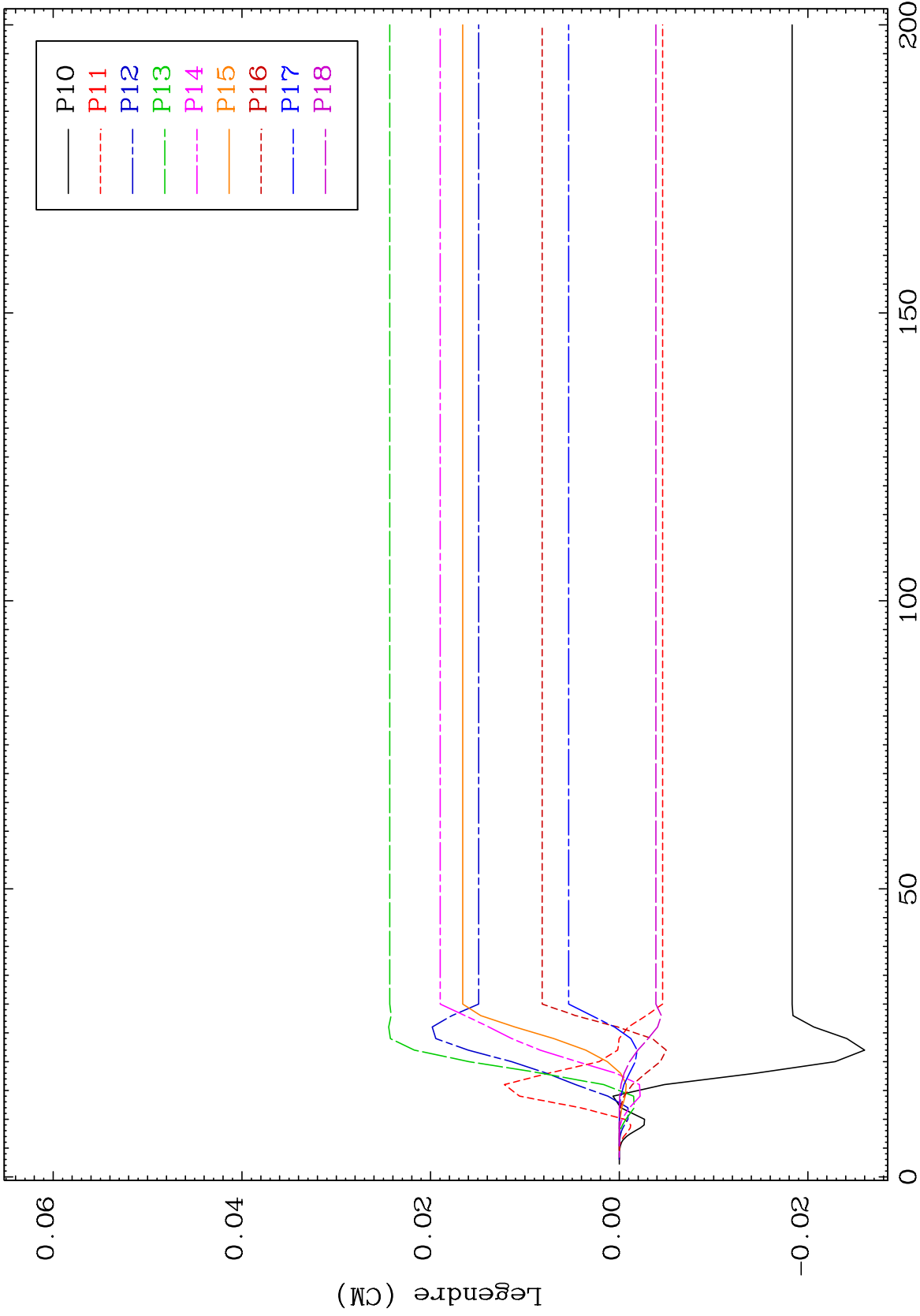
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



77

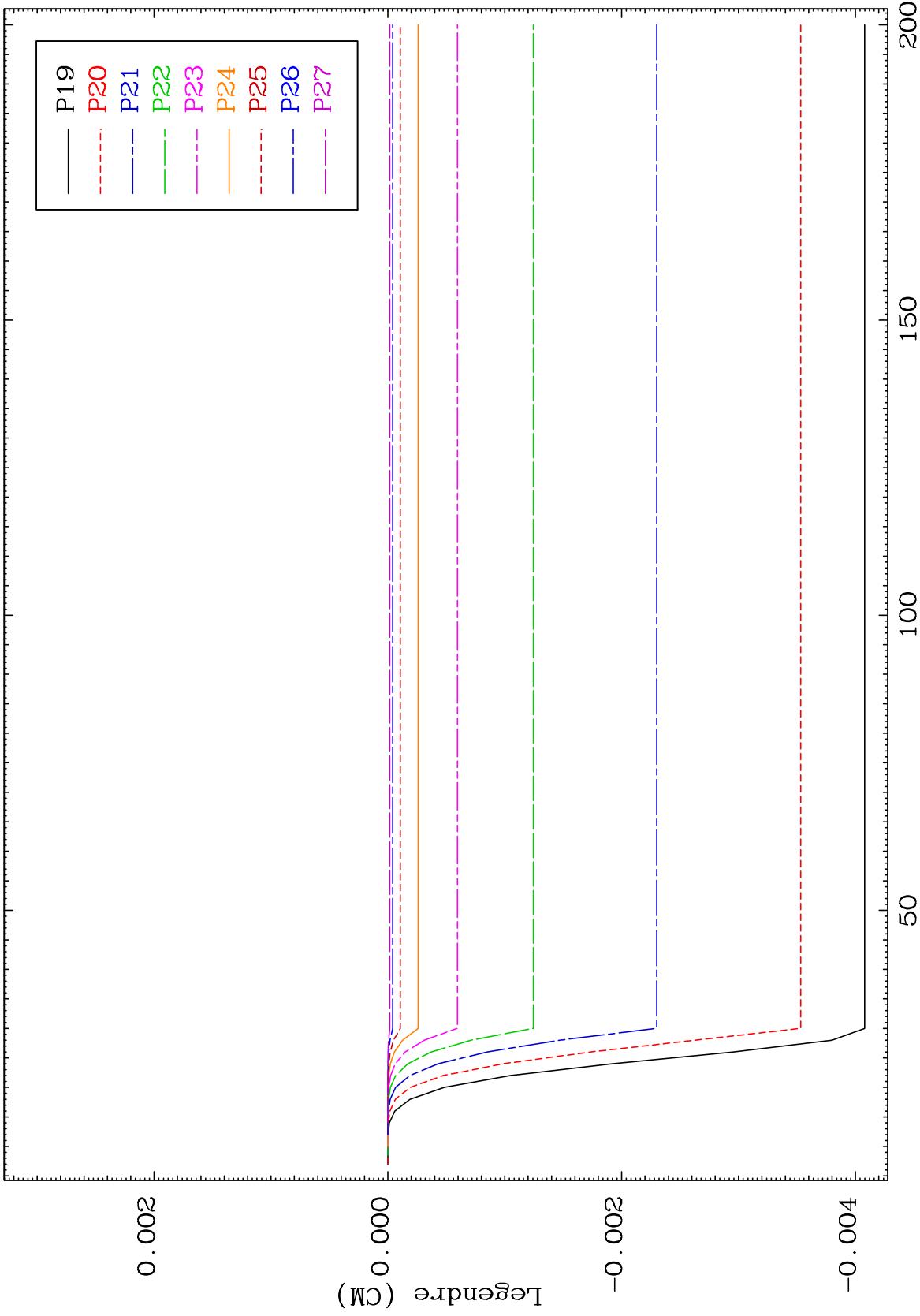
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



78

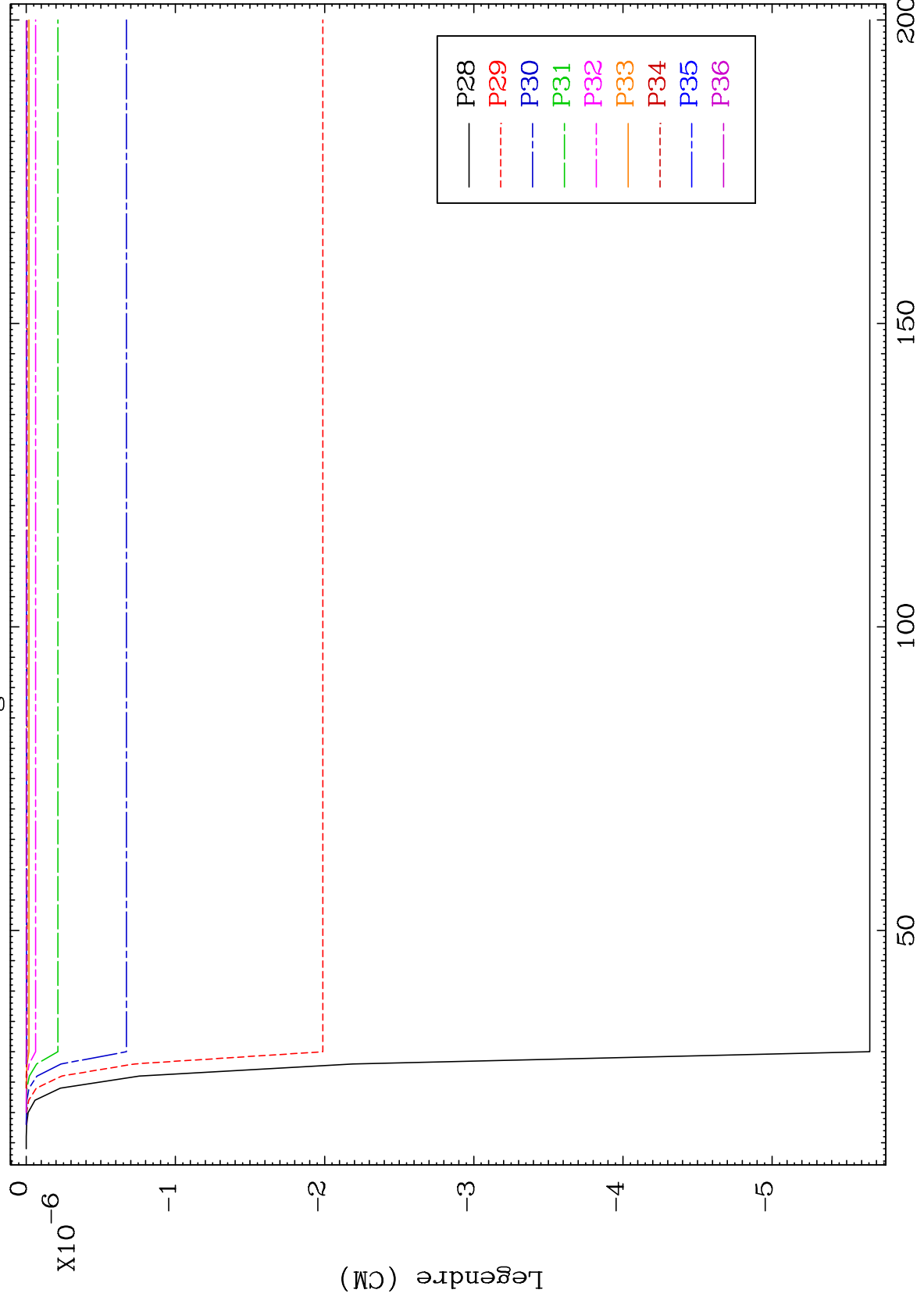
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



66-Dy-149

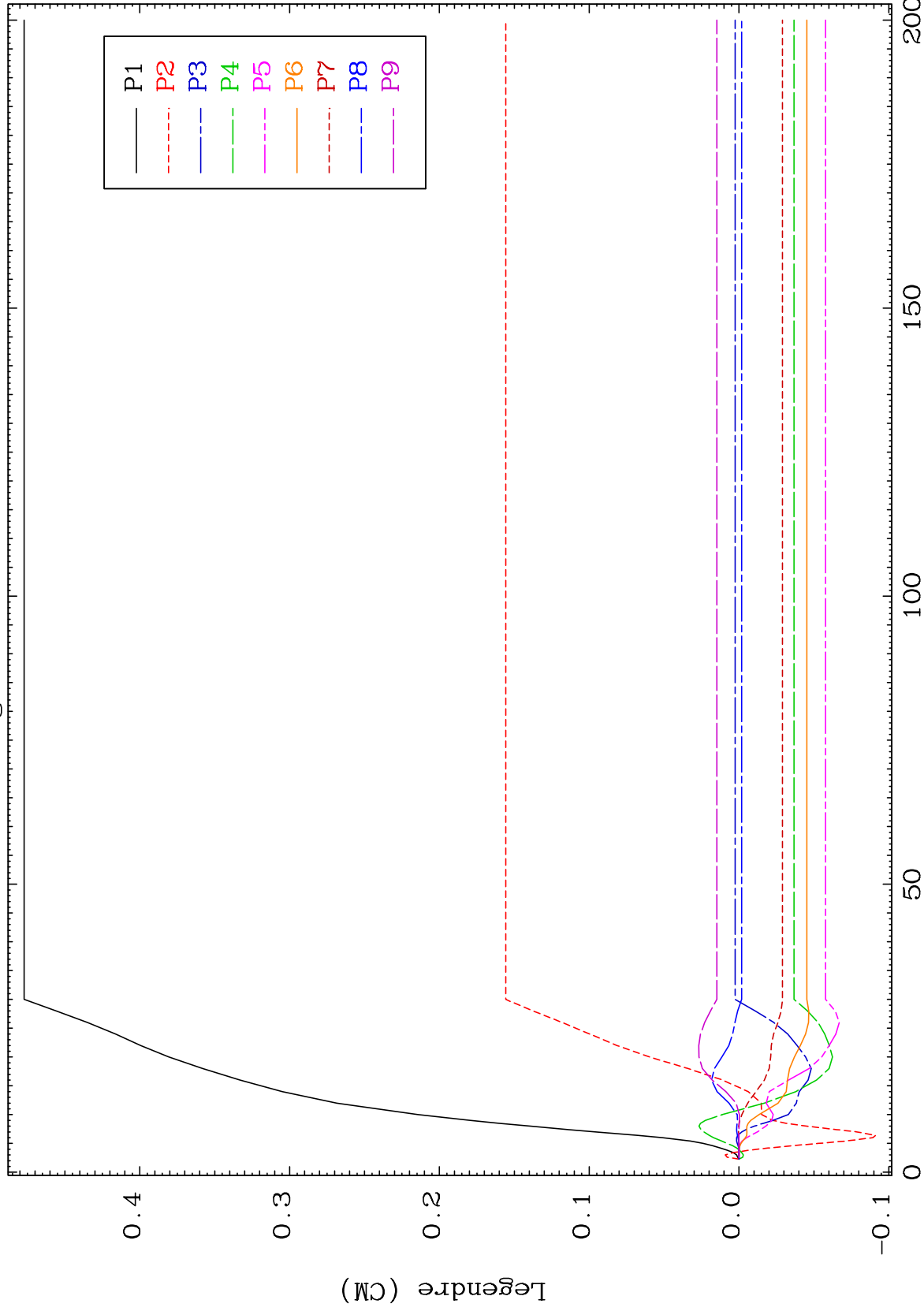
Incident Energy (MeV)

79

MAT 6604

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

66-Dy-149



66-Dy-149

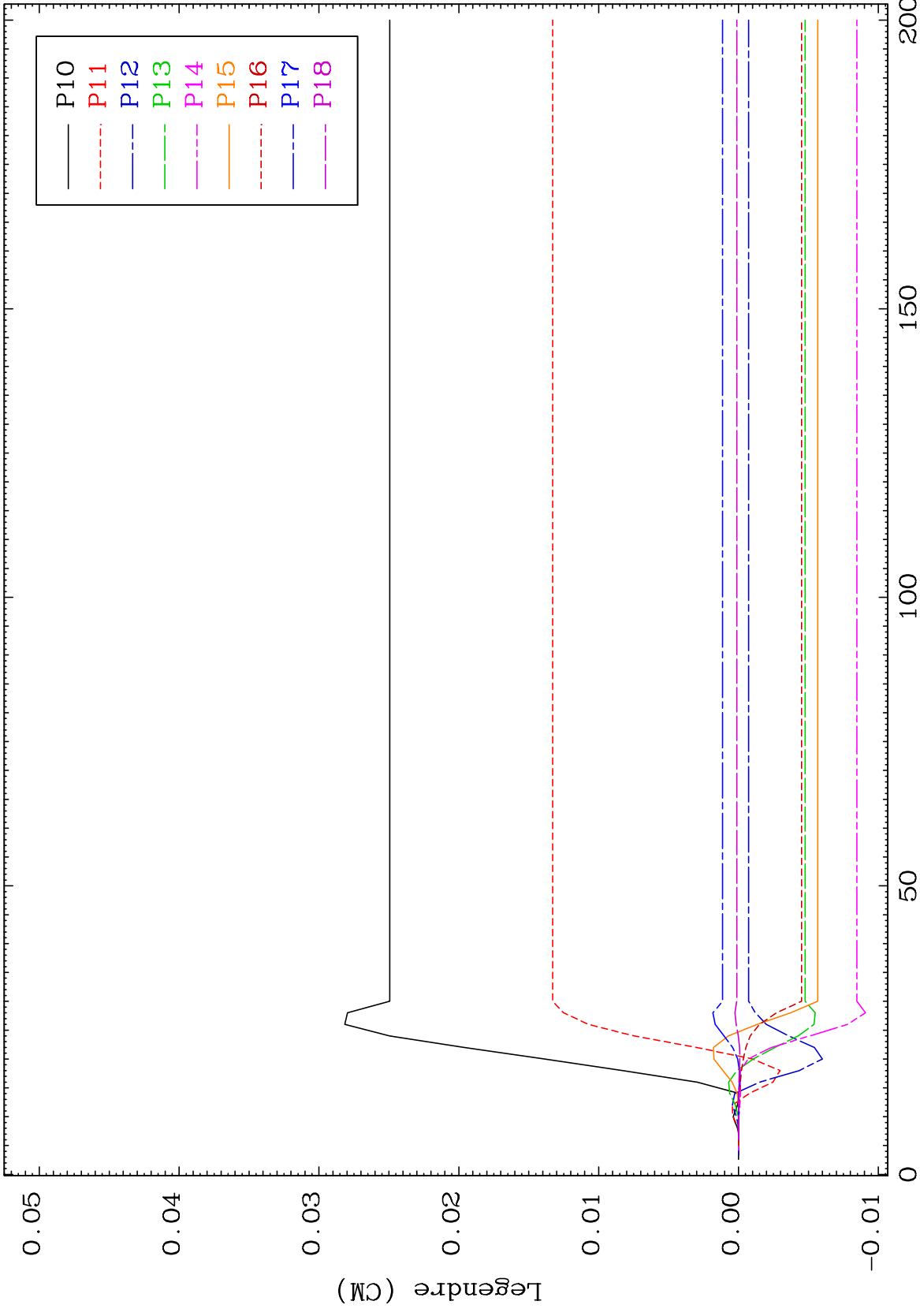
Incident Energy (MeV)

80

MAT 6604

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

66-Dy-149



81

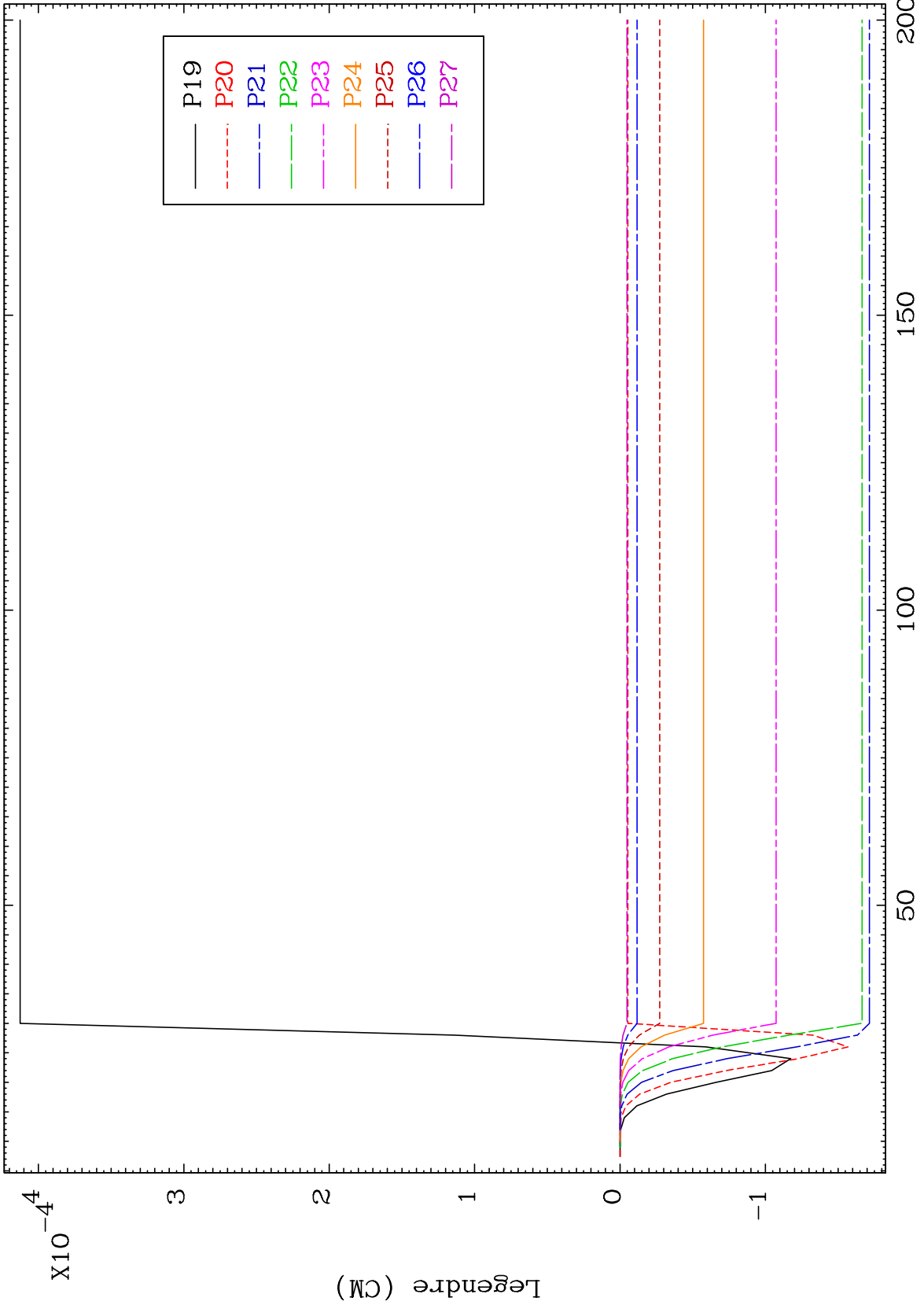
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



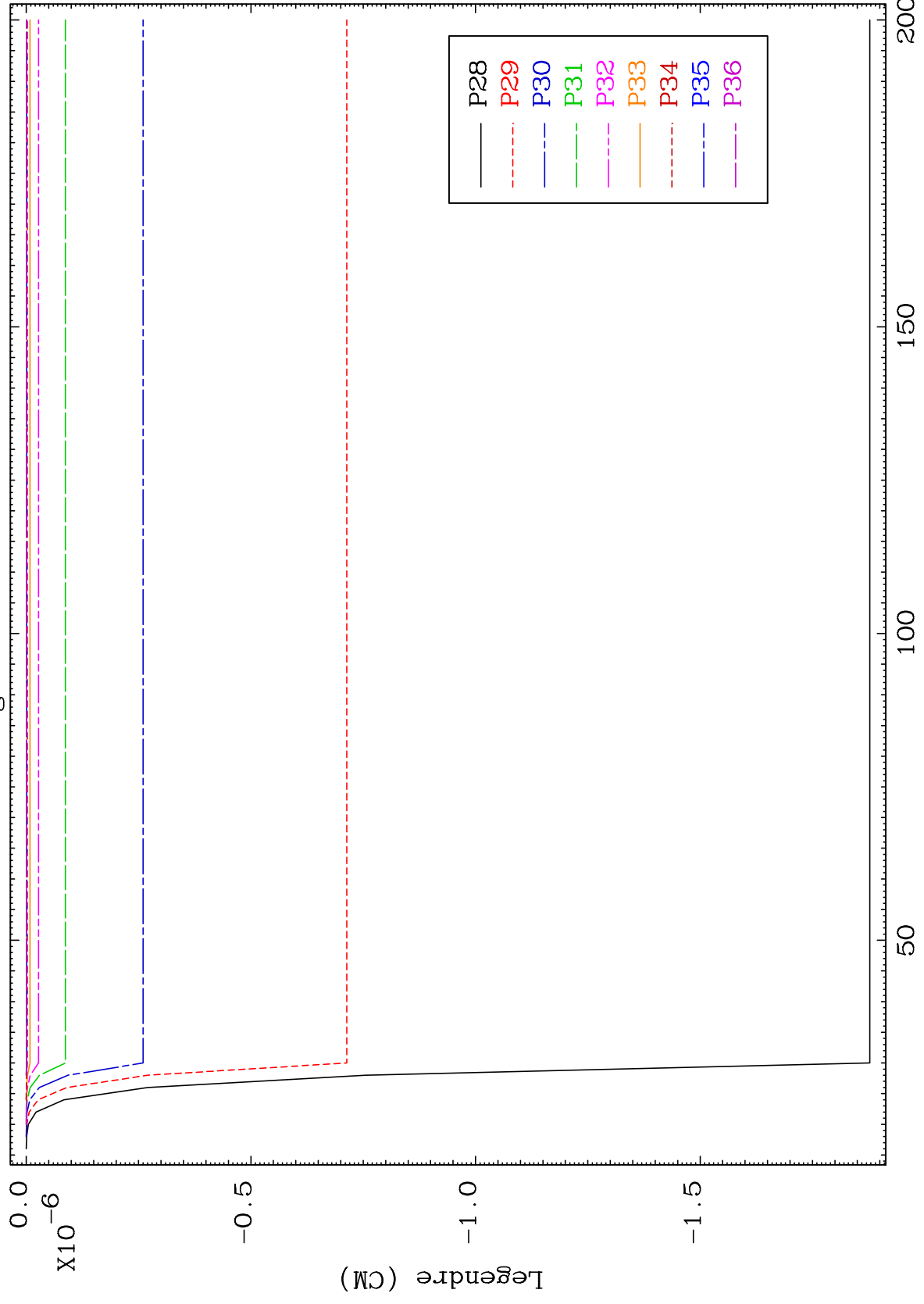
82

66-Dy-149

MAT 6604

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

66-Dy-149



66-Dy-149

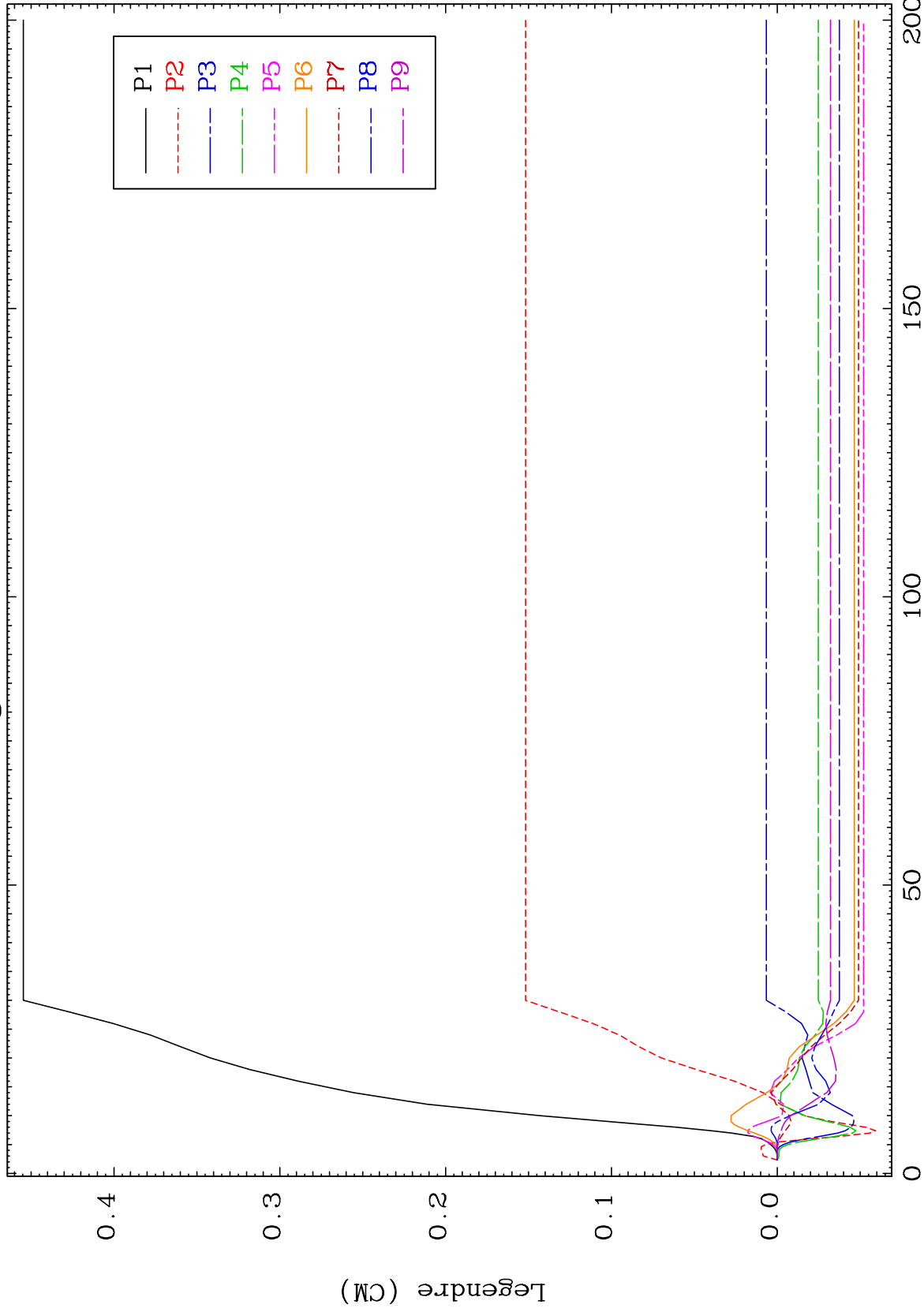
Incident Energy (MeV)

83

MAT 6604

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

66-Dy-149



84

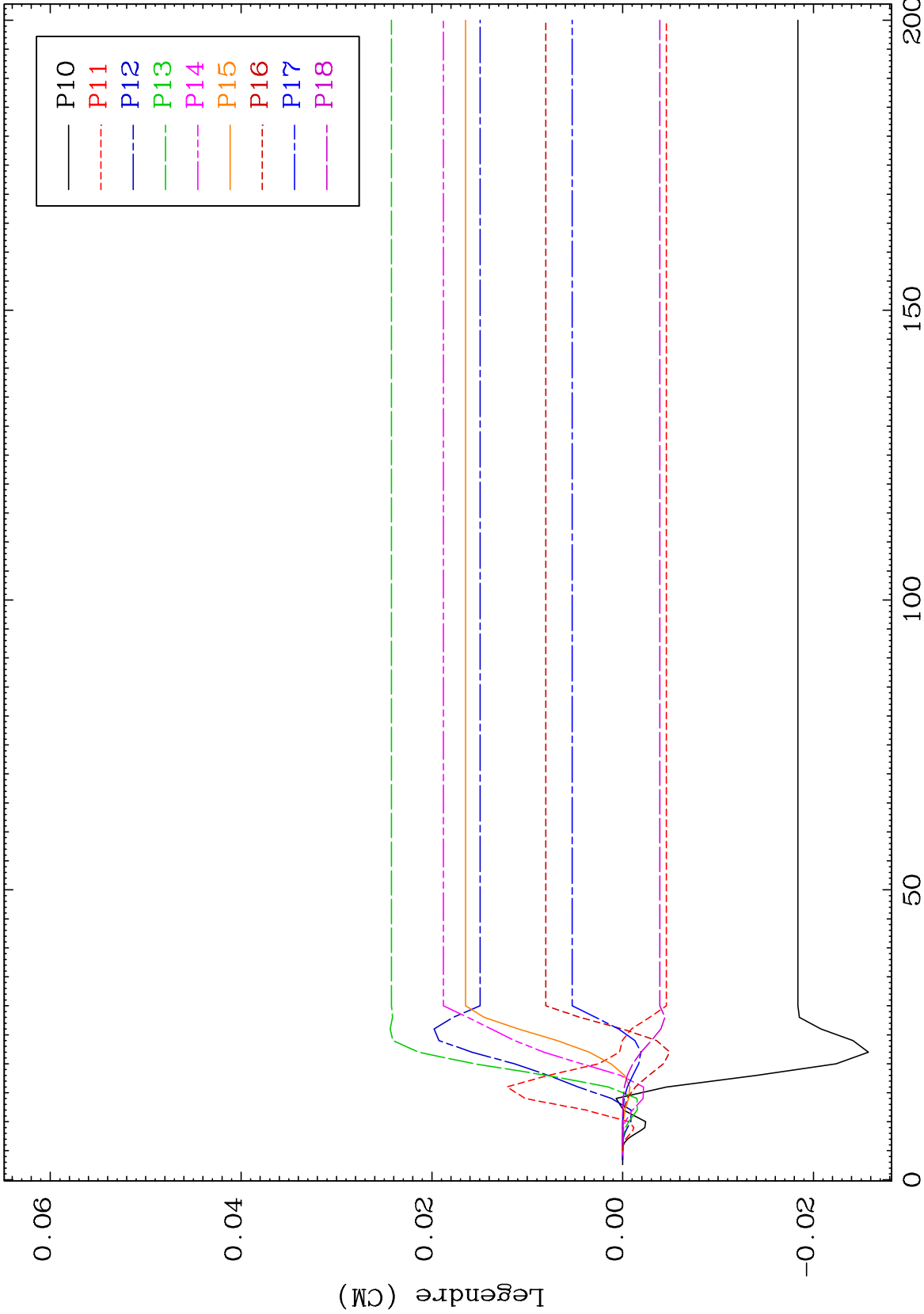
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



85

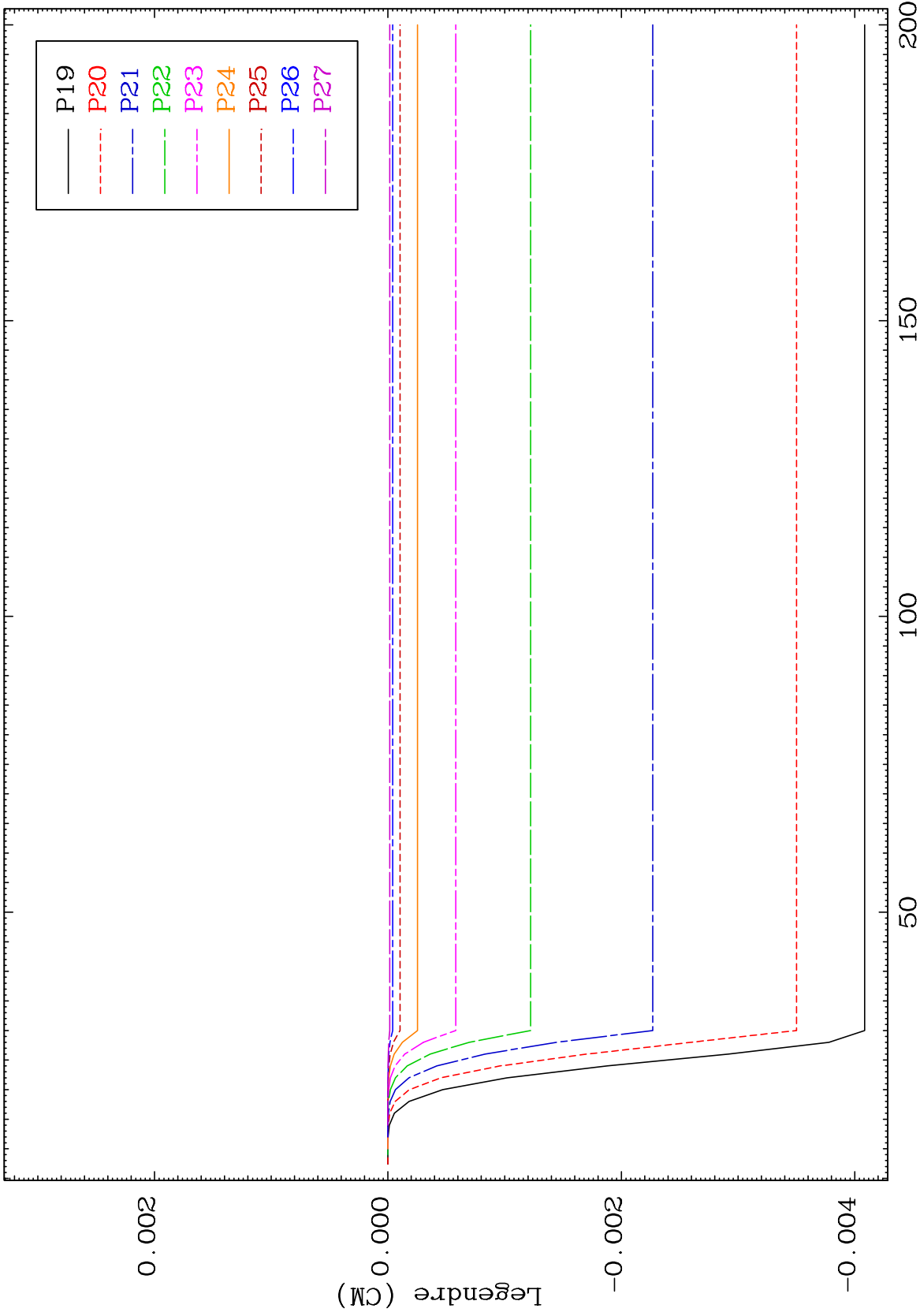
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



86

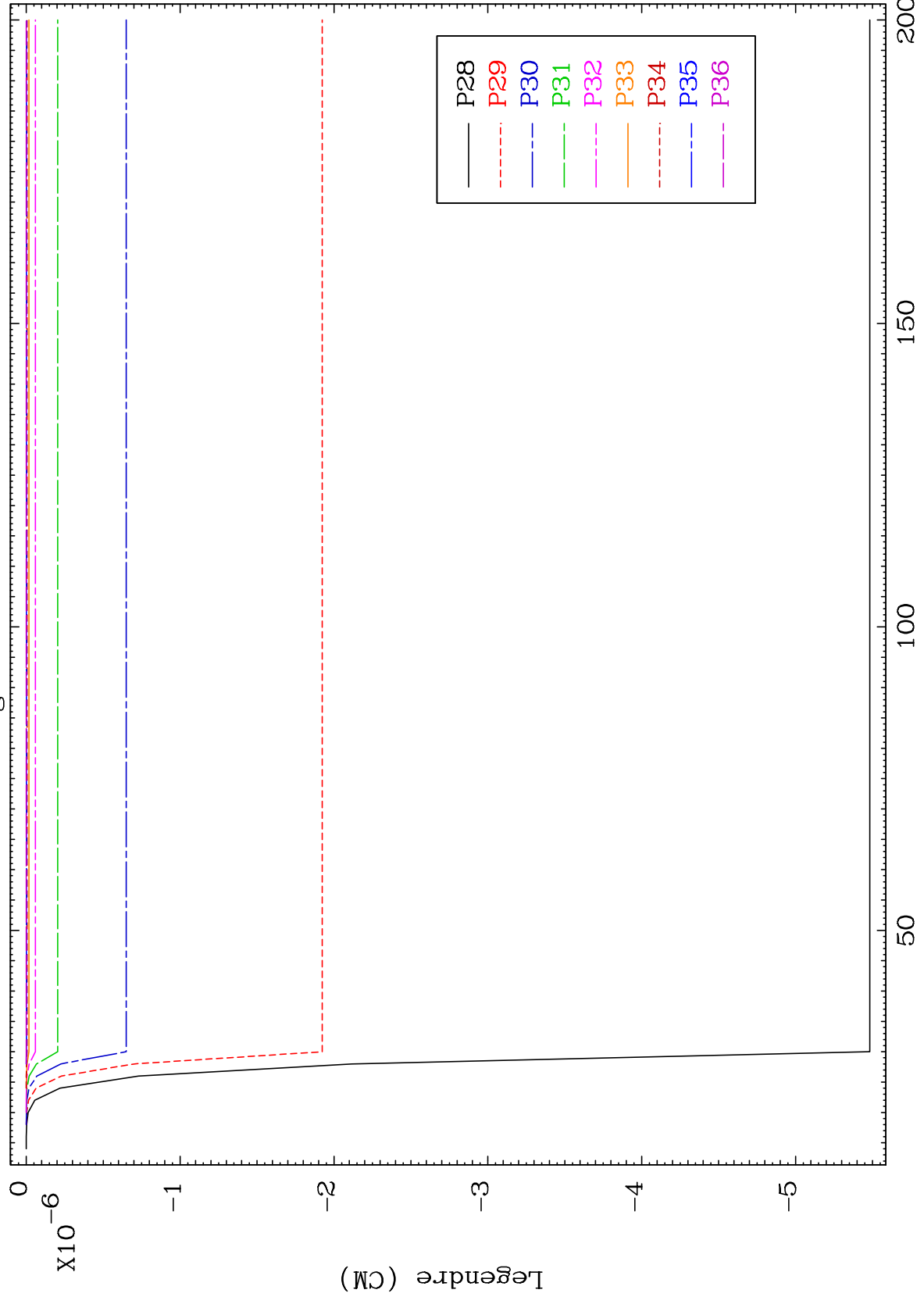
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



66-Dy-149

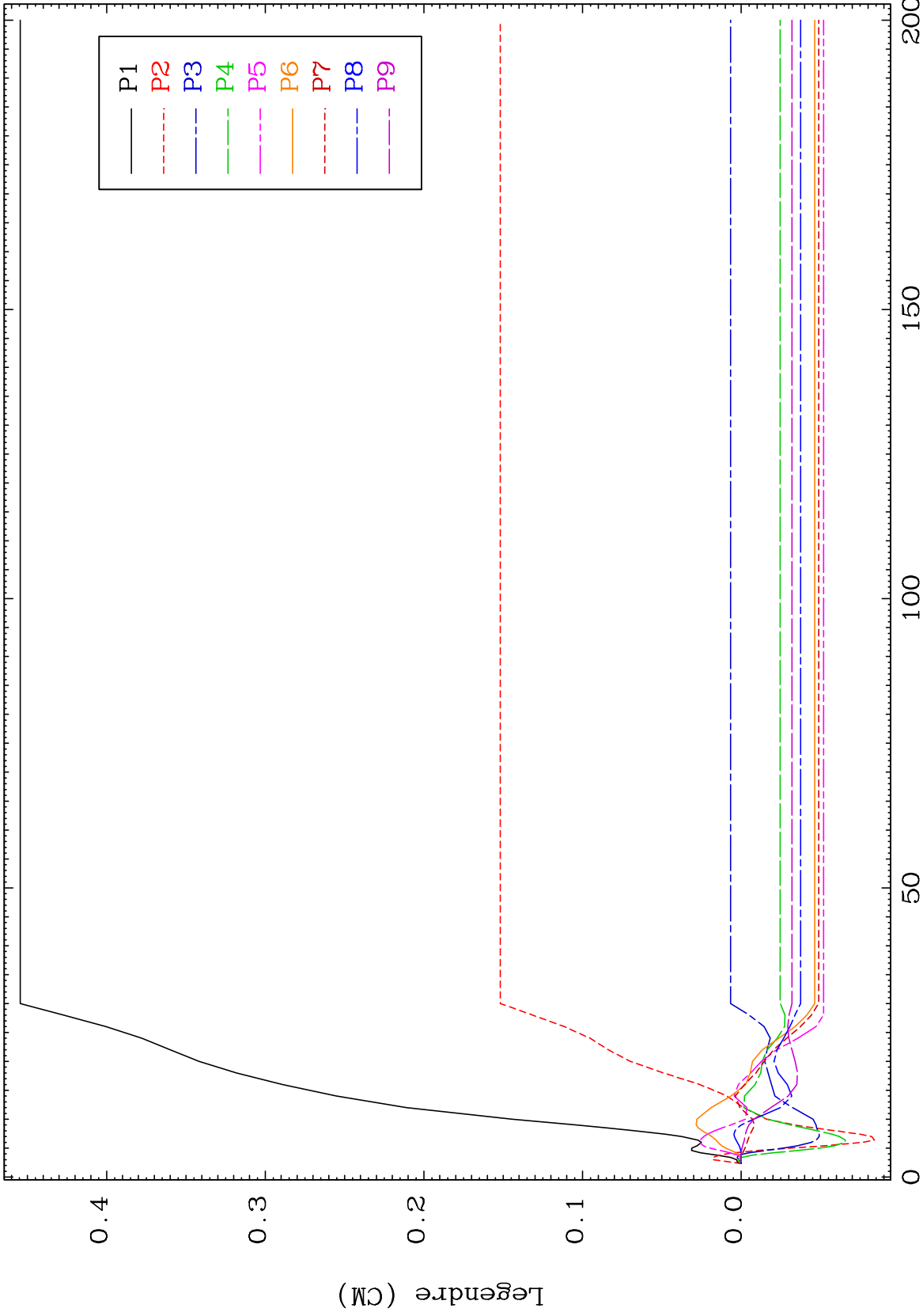
Incident Energy (MeV)

87

MAT 6604

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

66-Dy-149



88

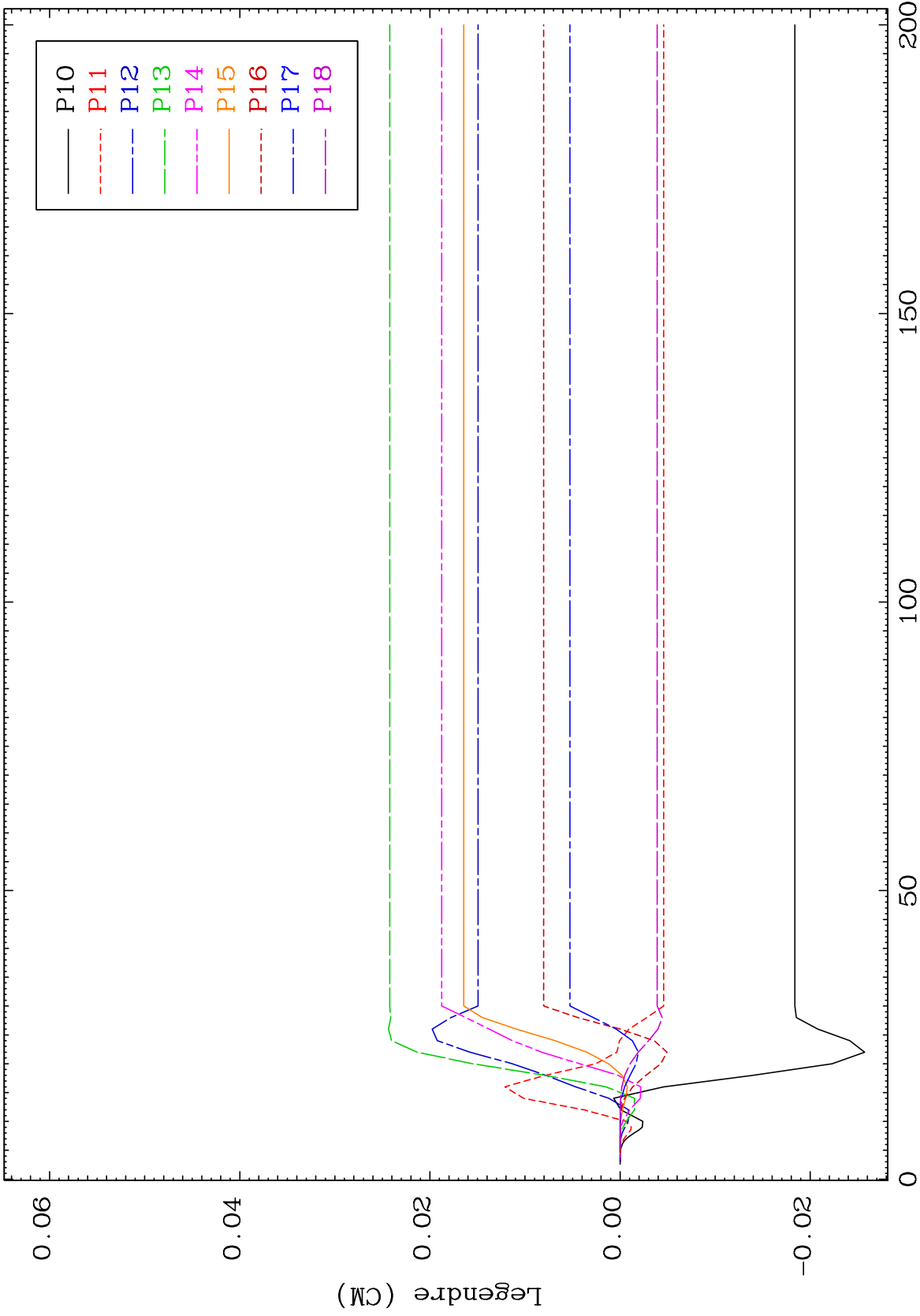
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



89

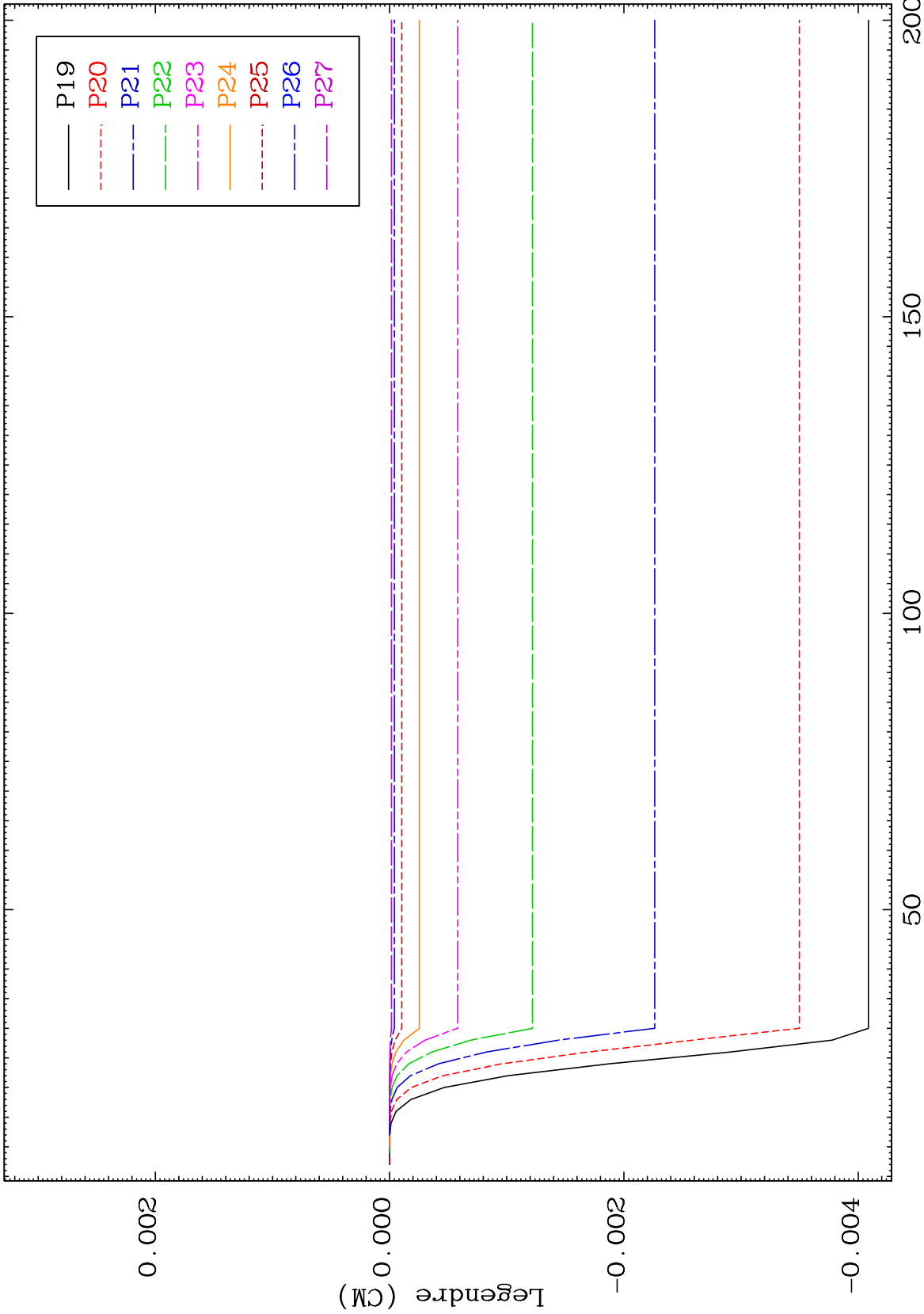
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



90

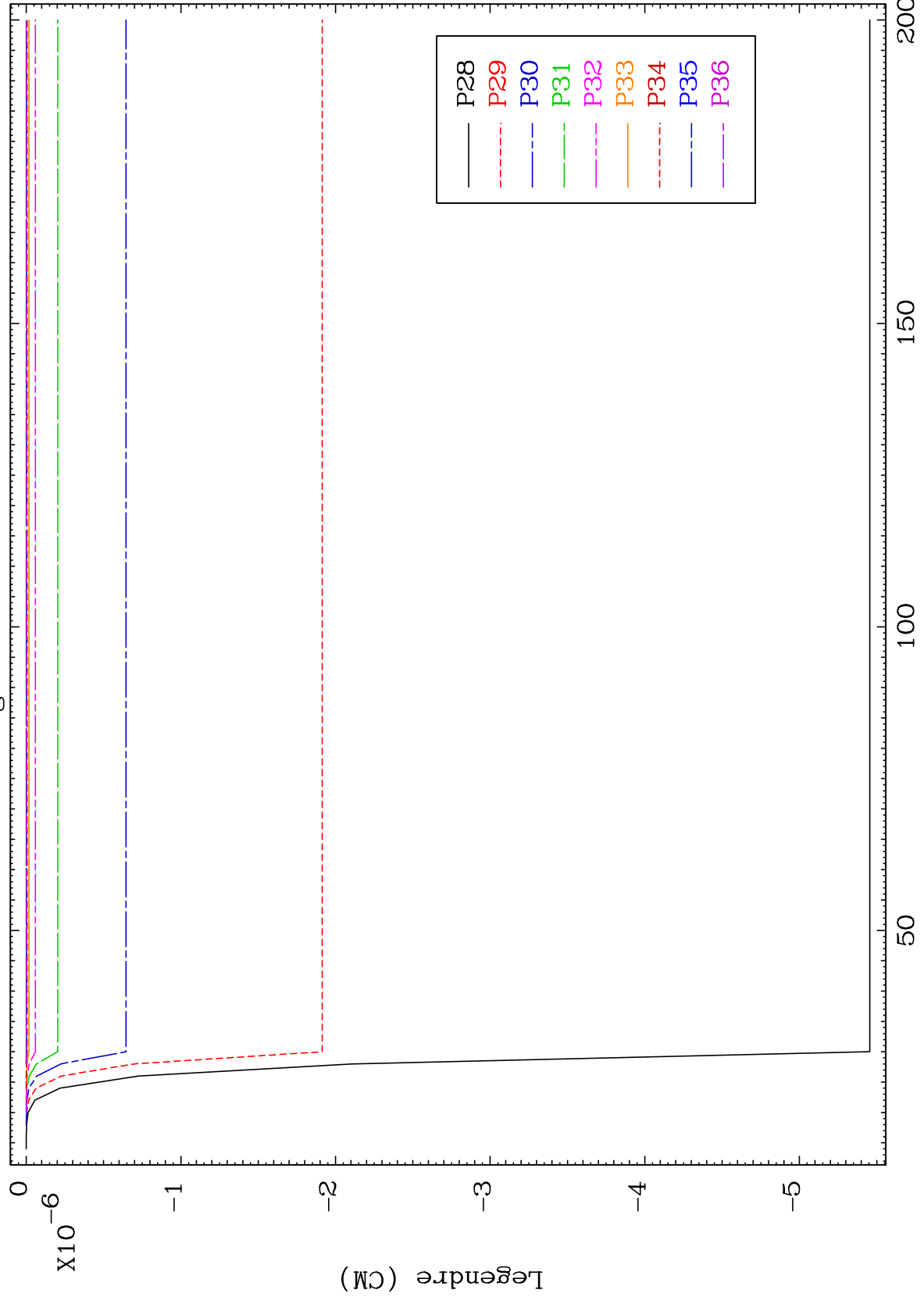
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



66-Dy-149

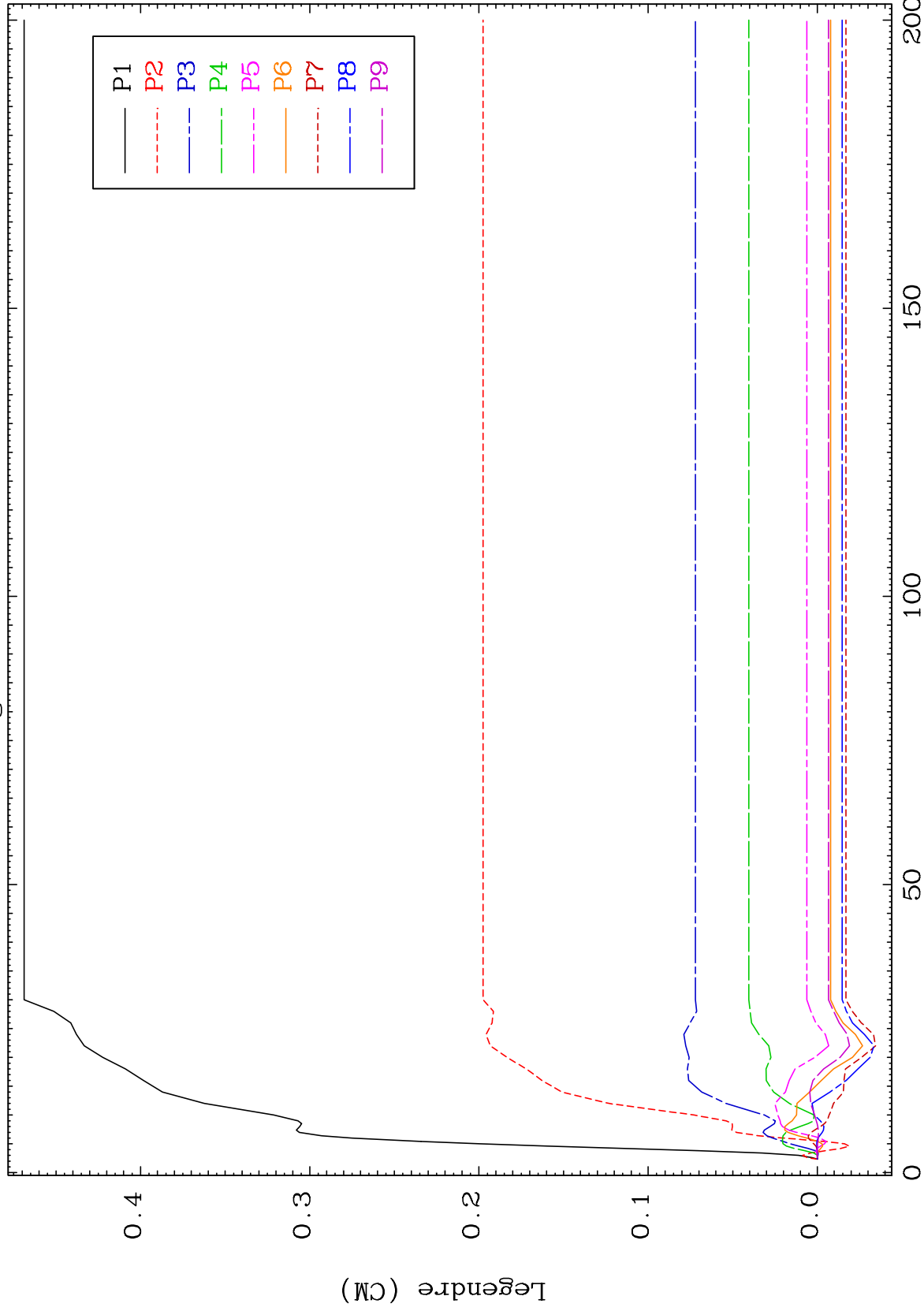
Incident Energy (MeV)

91

MAT 6604

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

66-Dy-149



92

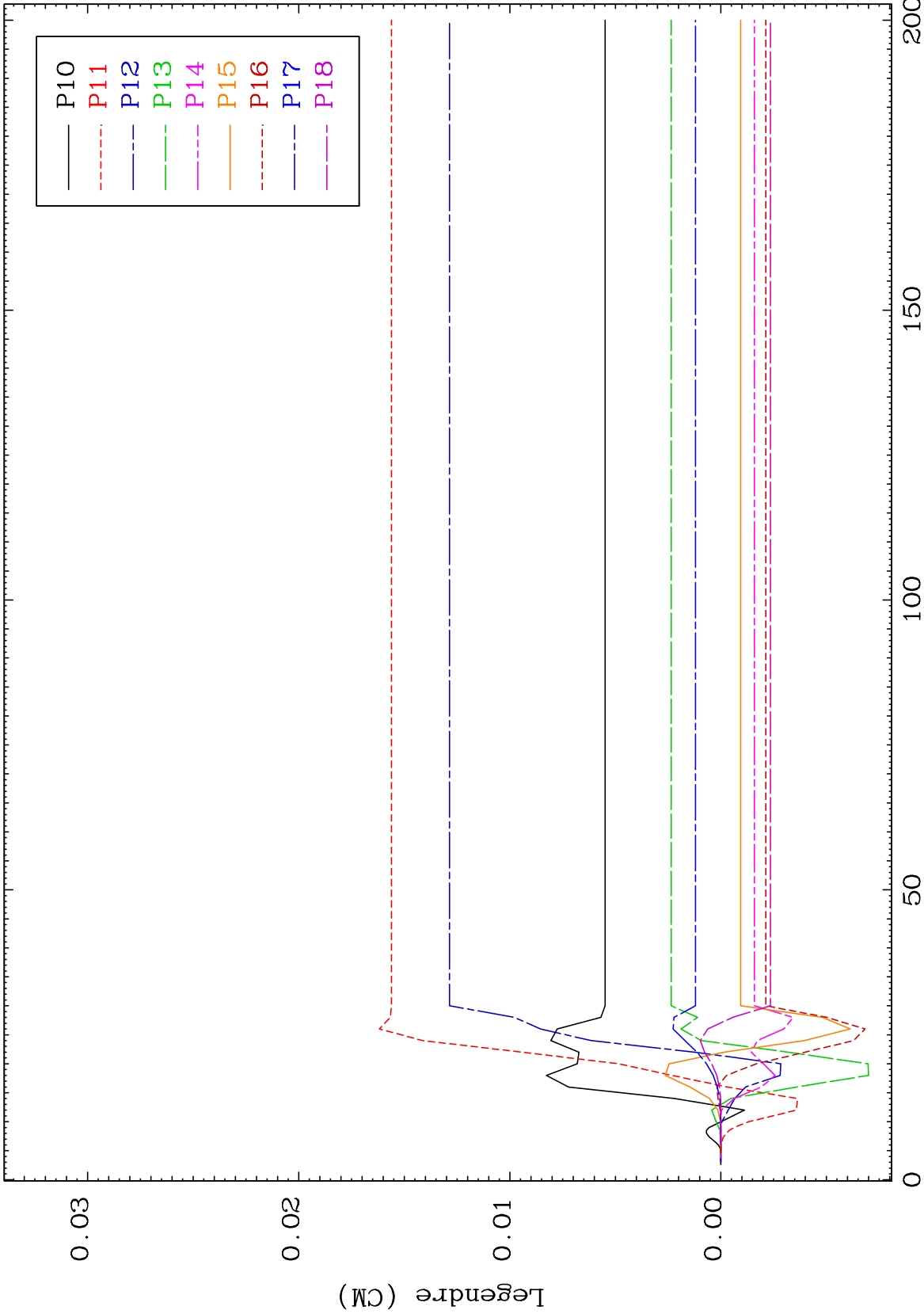
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



93

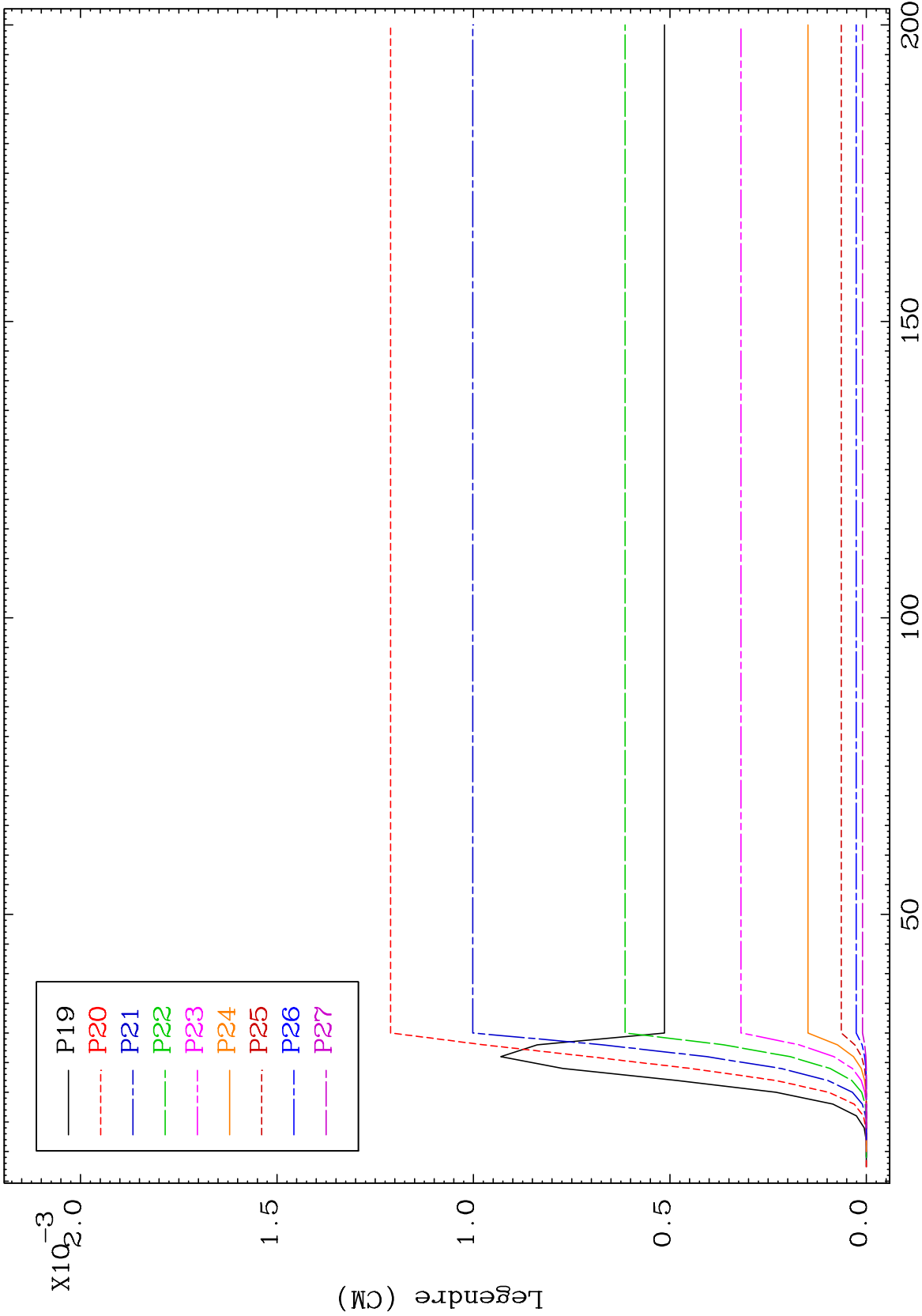
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



94

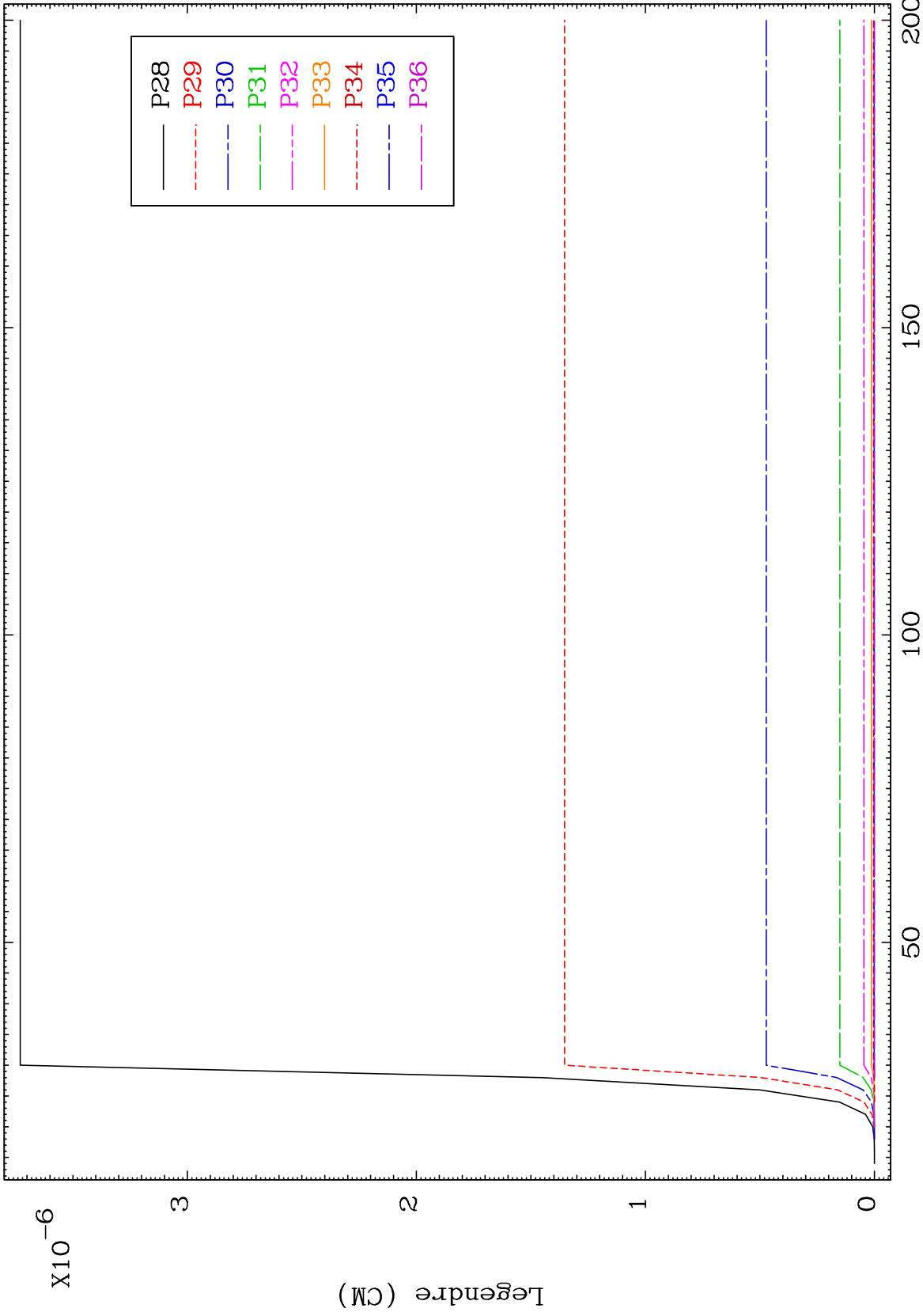
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



95

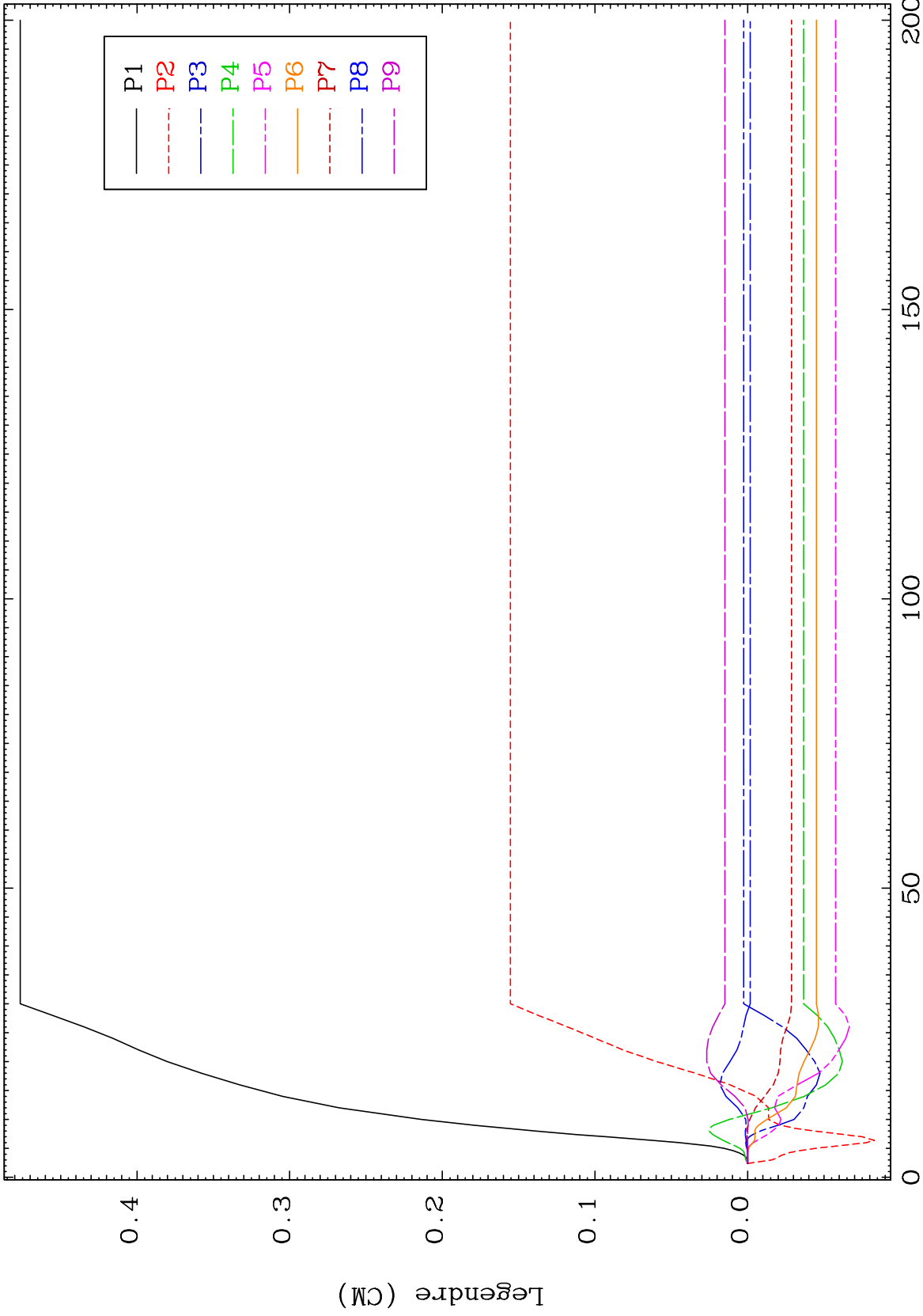
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



96

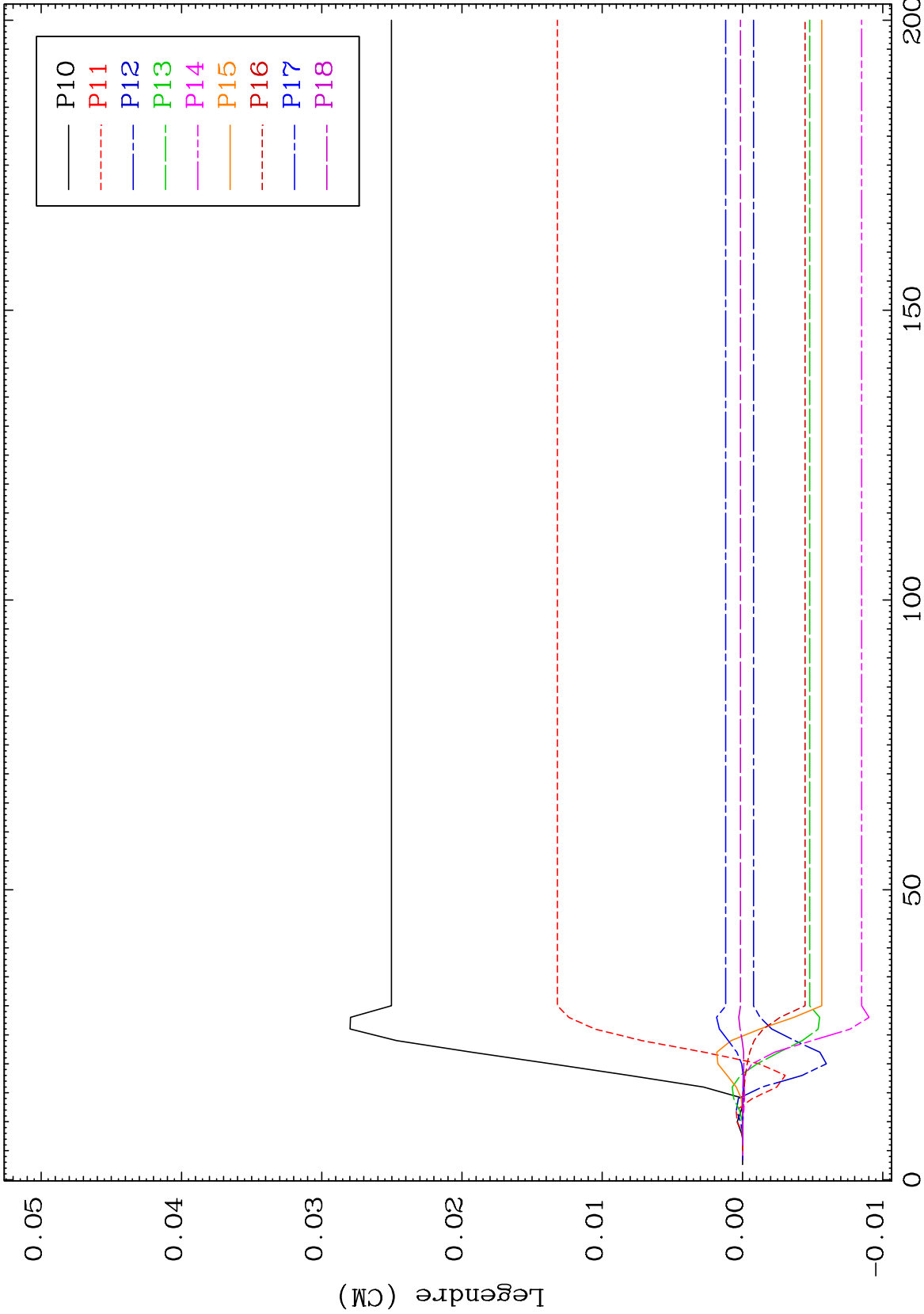
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



97

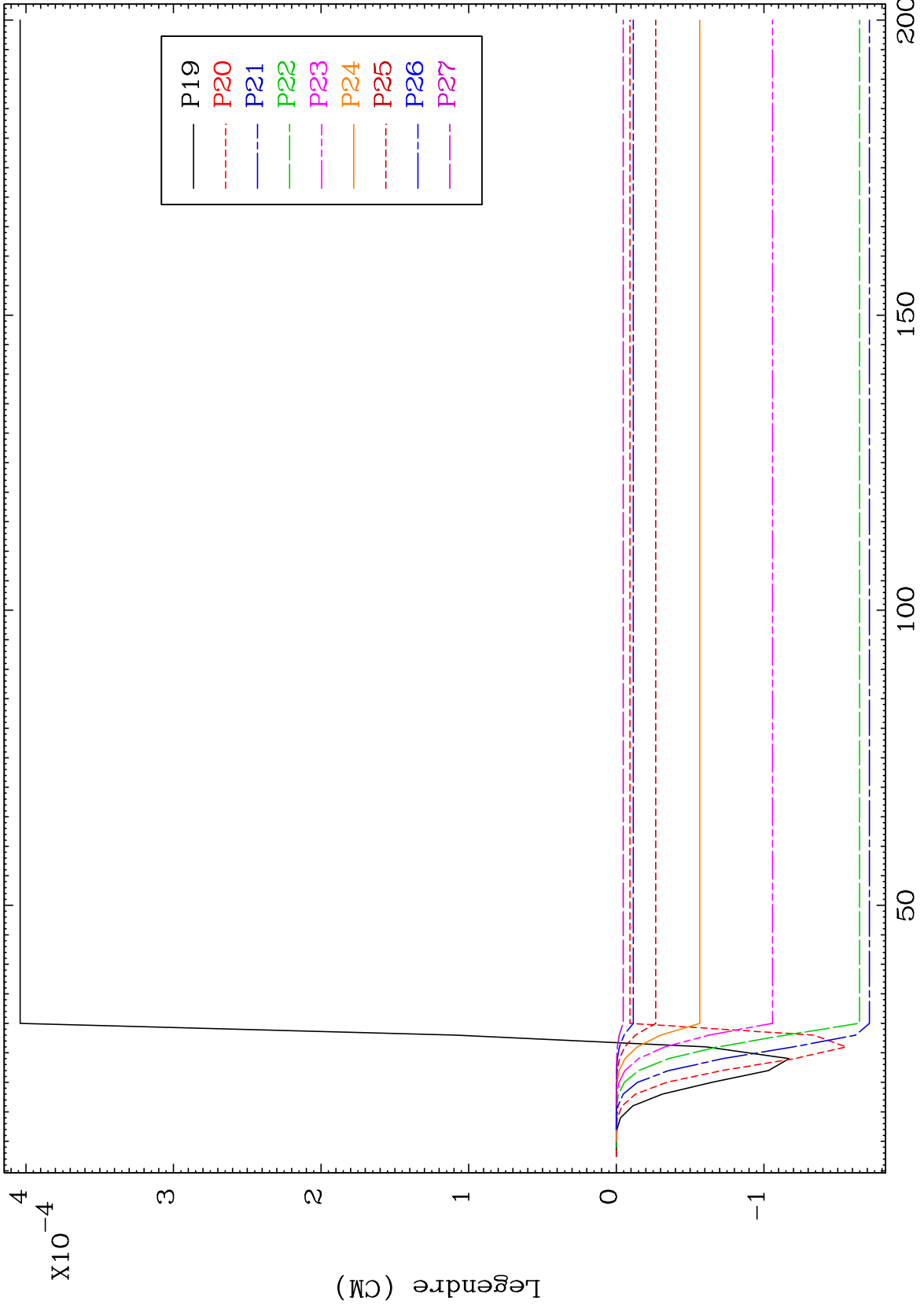
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



98

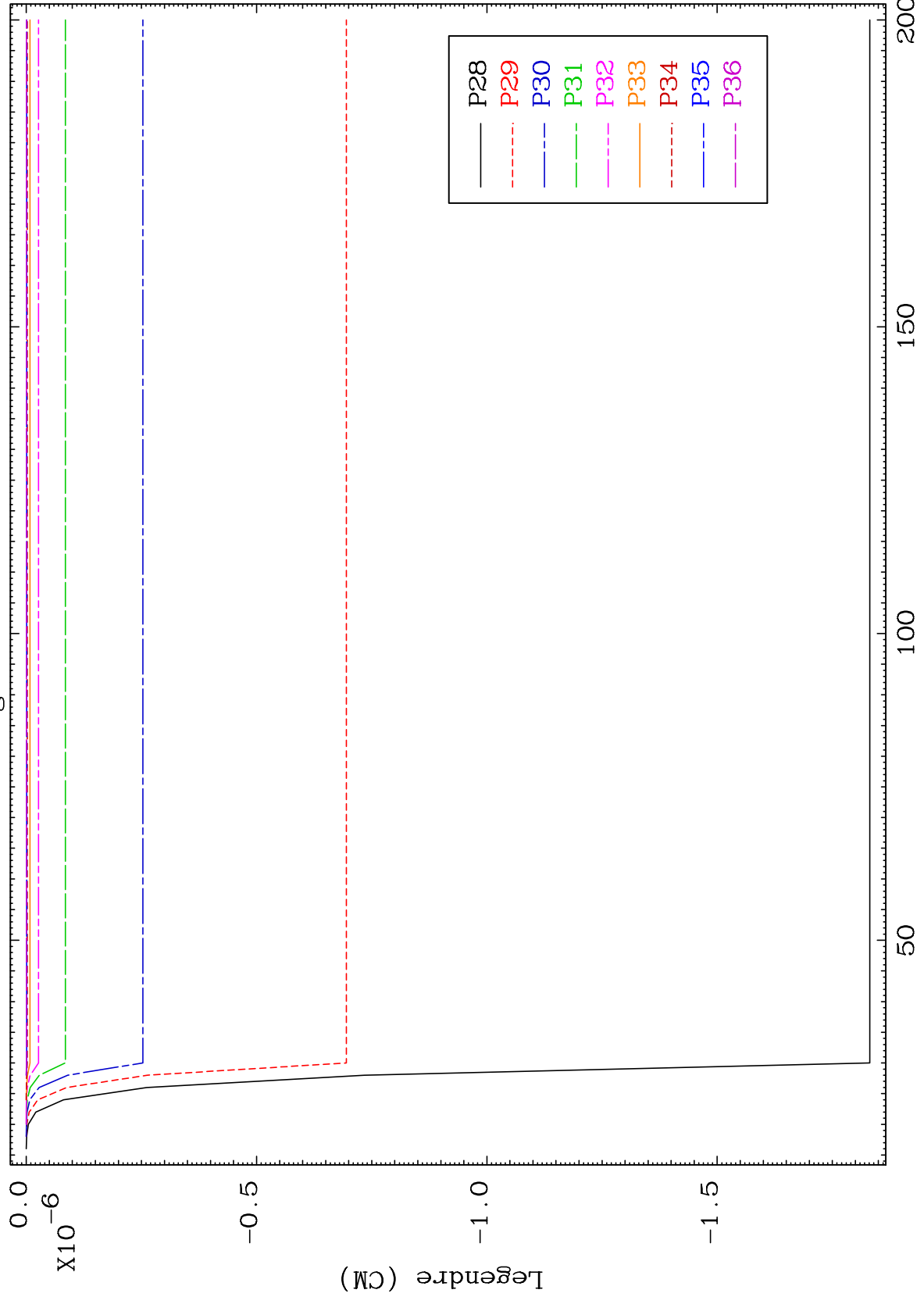
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



66-Dy-149

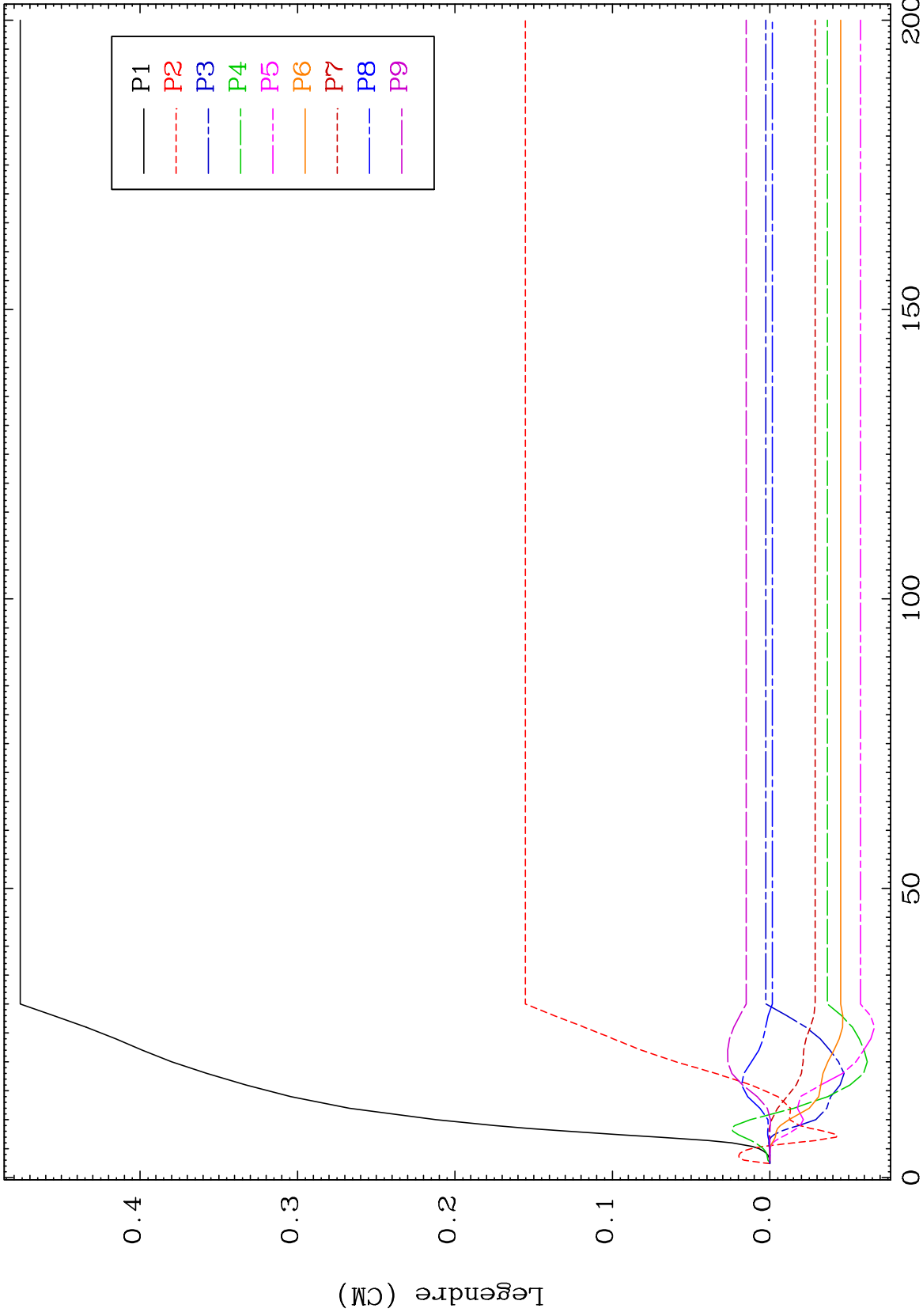
Incident Energy (MeV)

99

MAT 6604

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

66-Dy-149



66-Dy-149

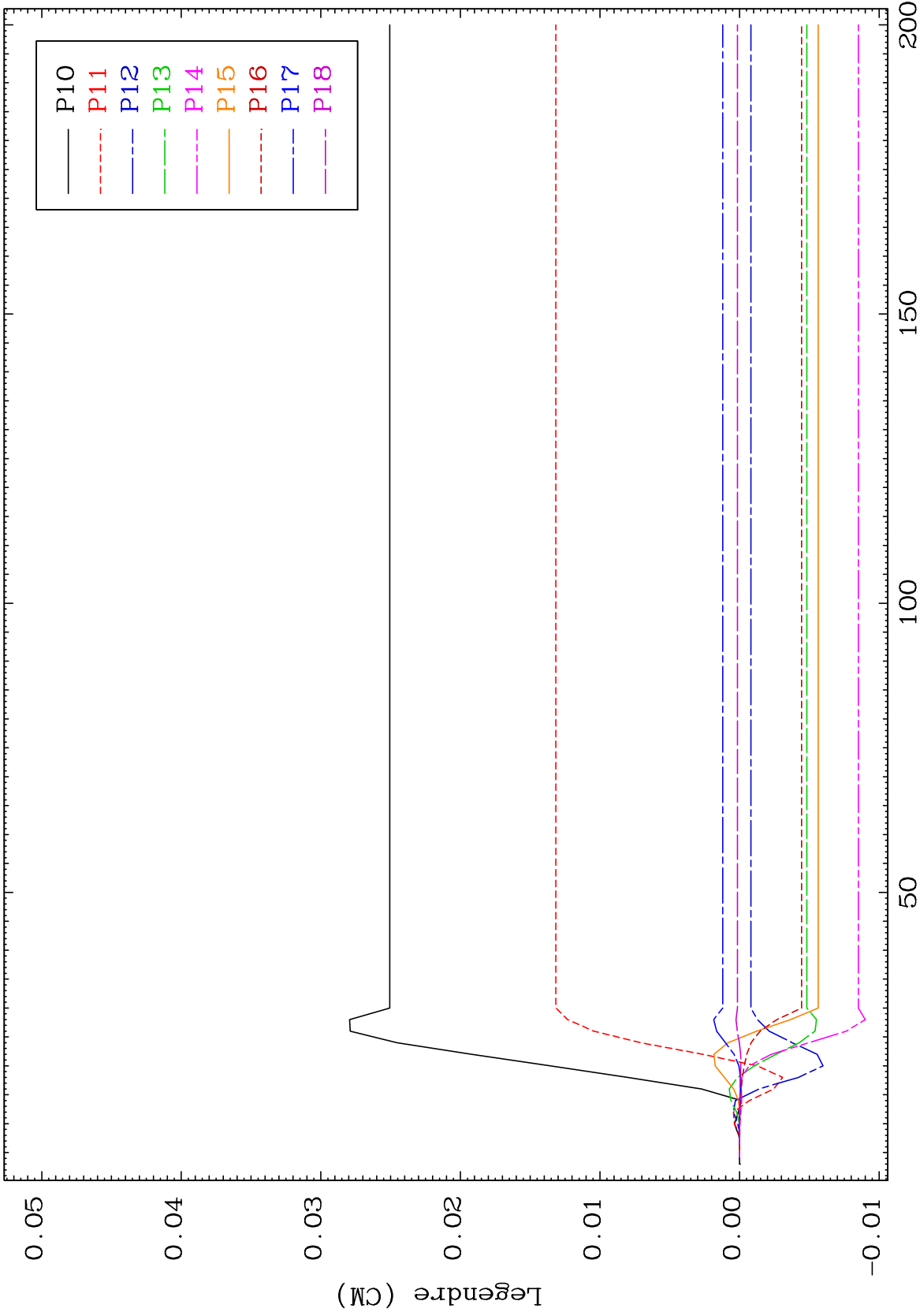
Incident Energy (MeV)

100

MAT 6604

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

66-Dy-149



101

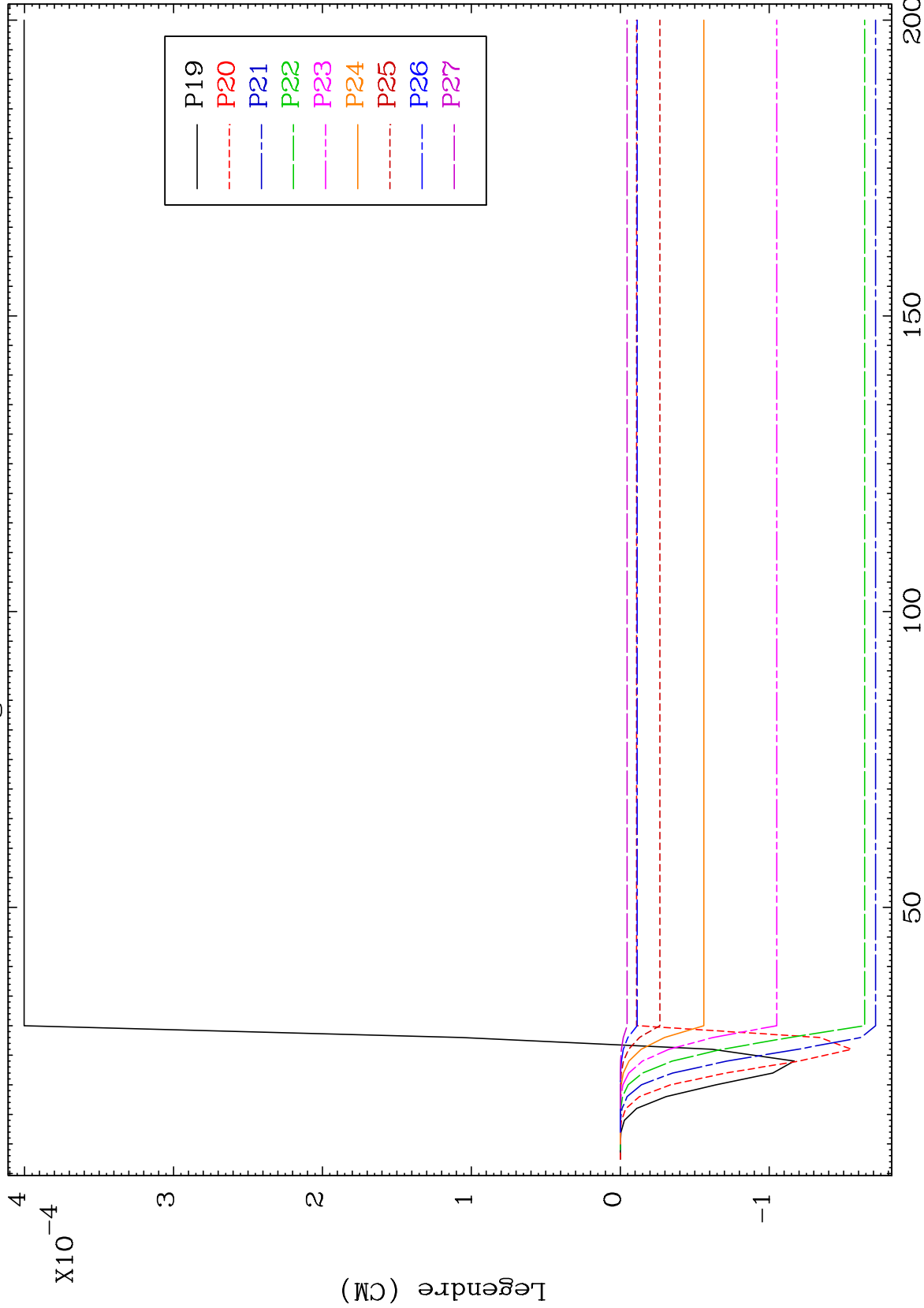
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



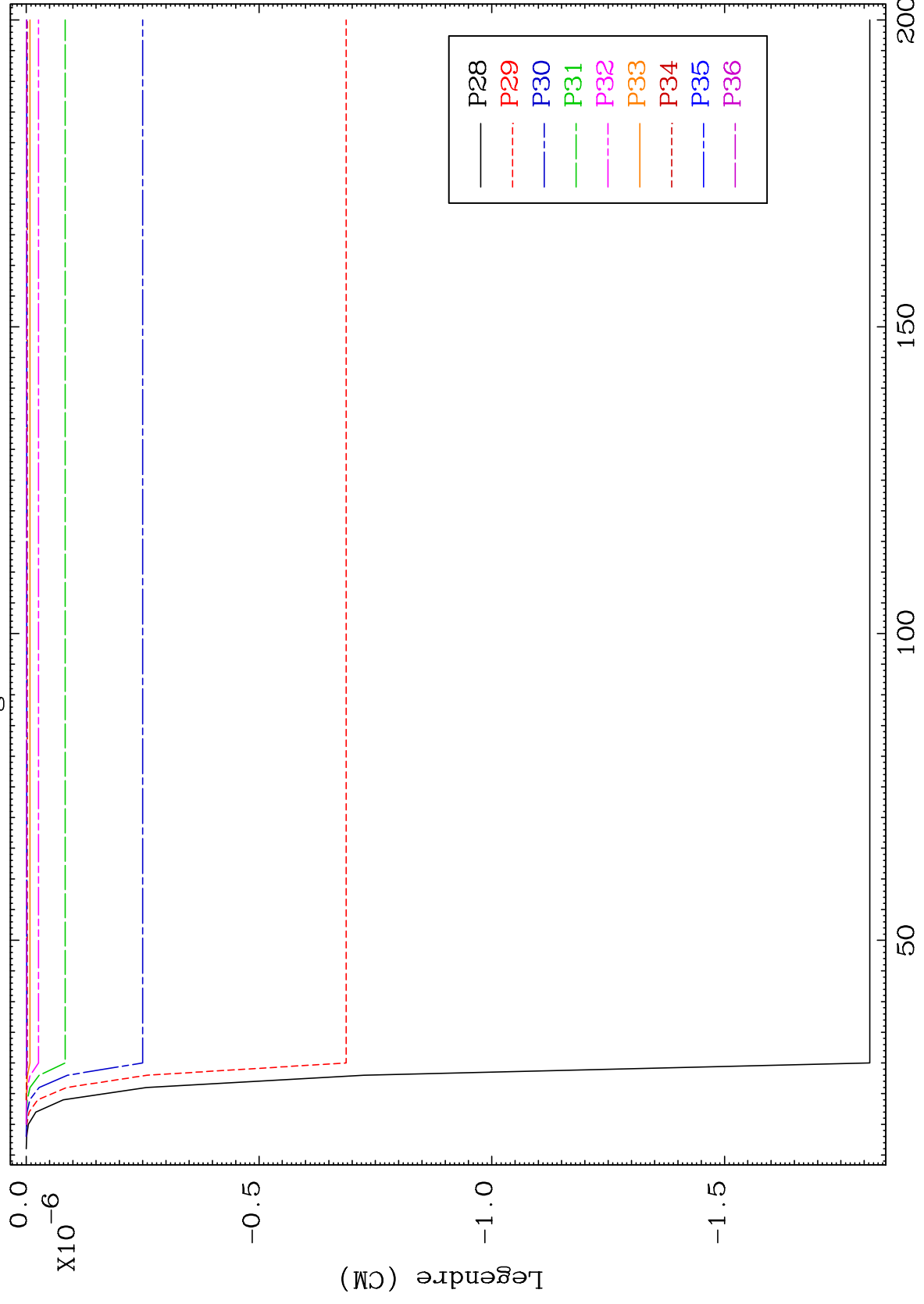
102

66-Dy-149

MAT 6604

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

66-Dy-149



66-Dy-149

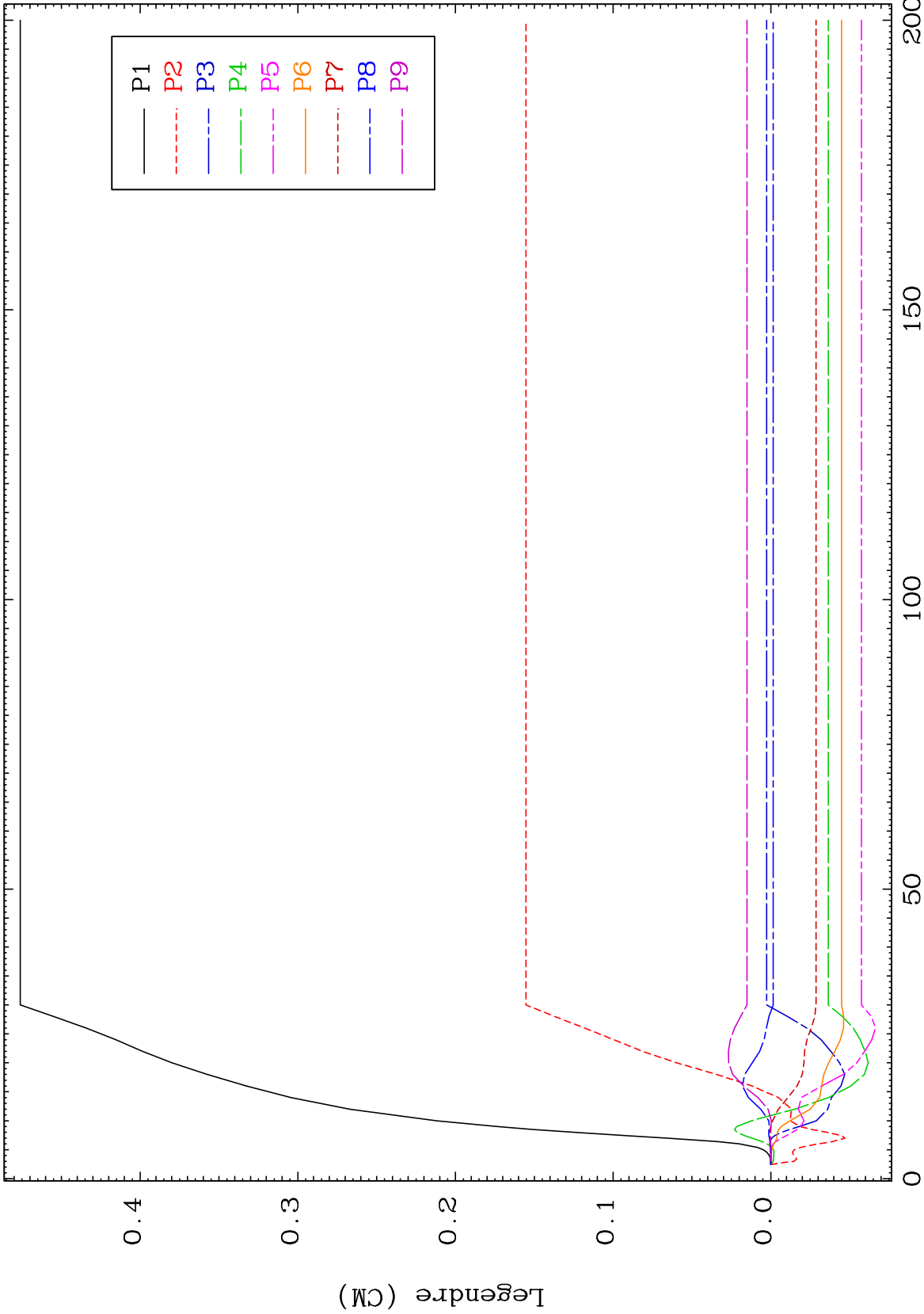
Incident Energy (MeV)

103

MAT 6604

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

66-Dy-149



104

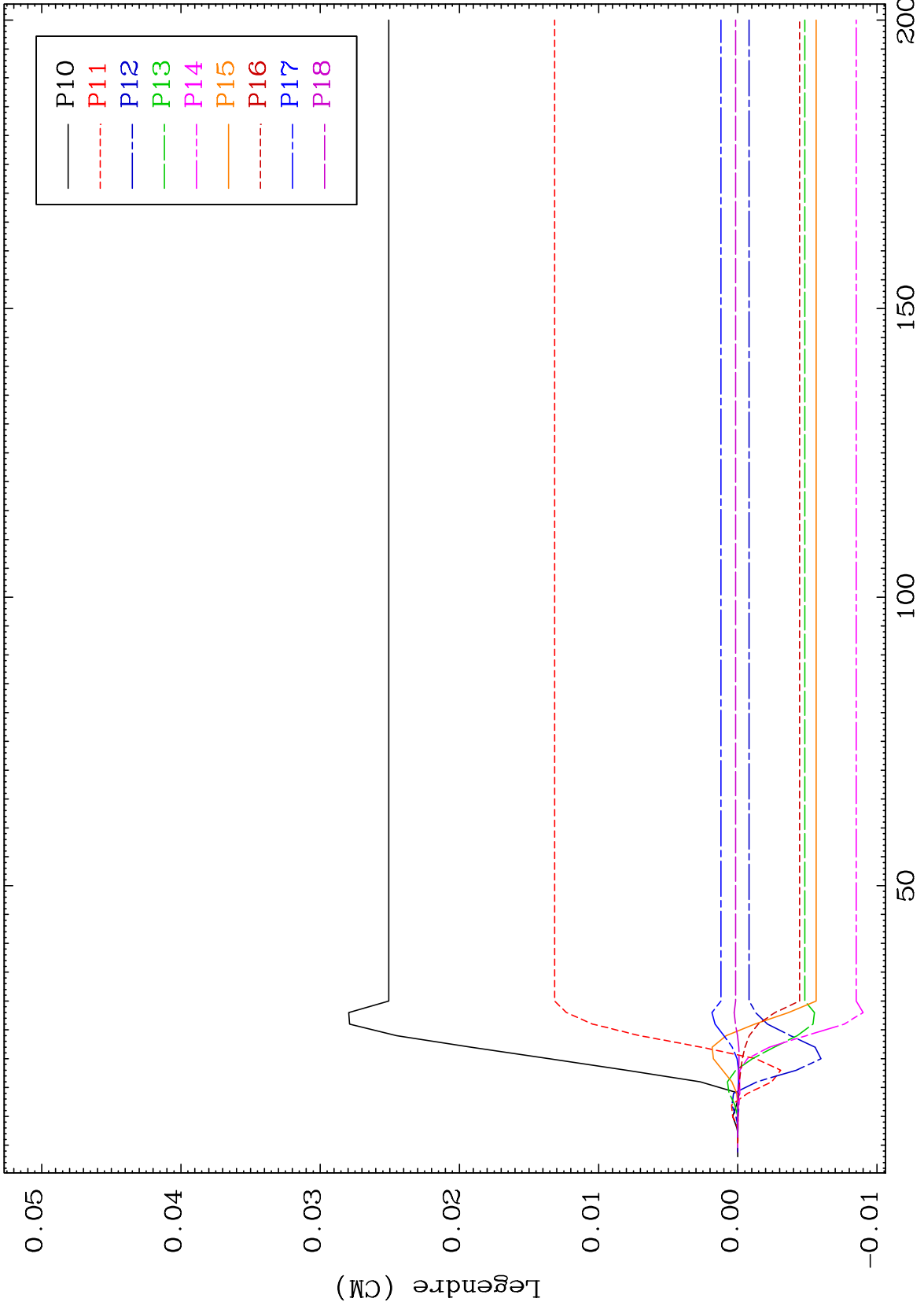
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



105

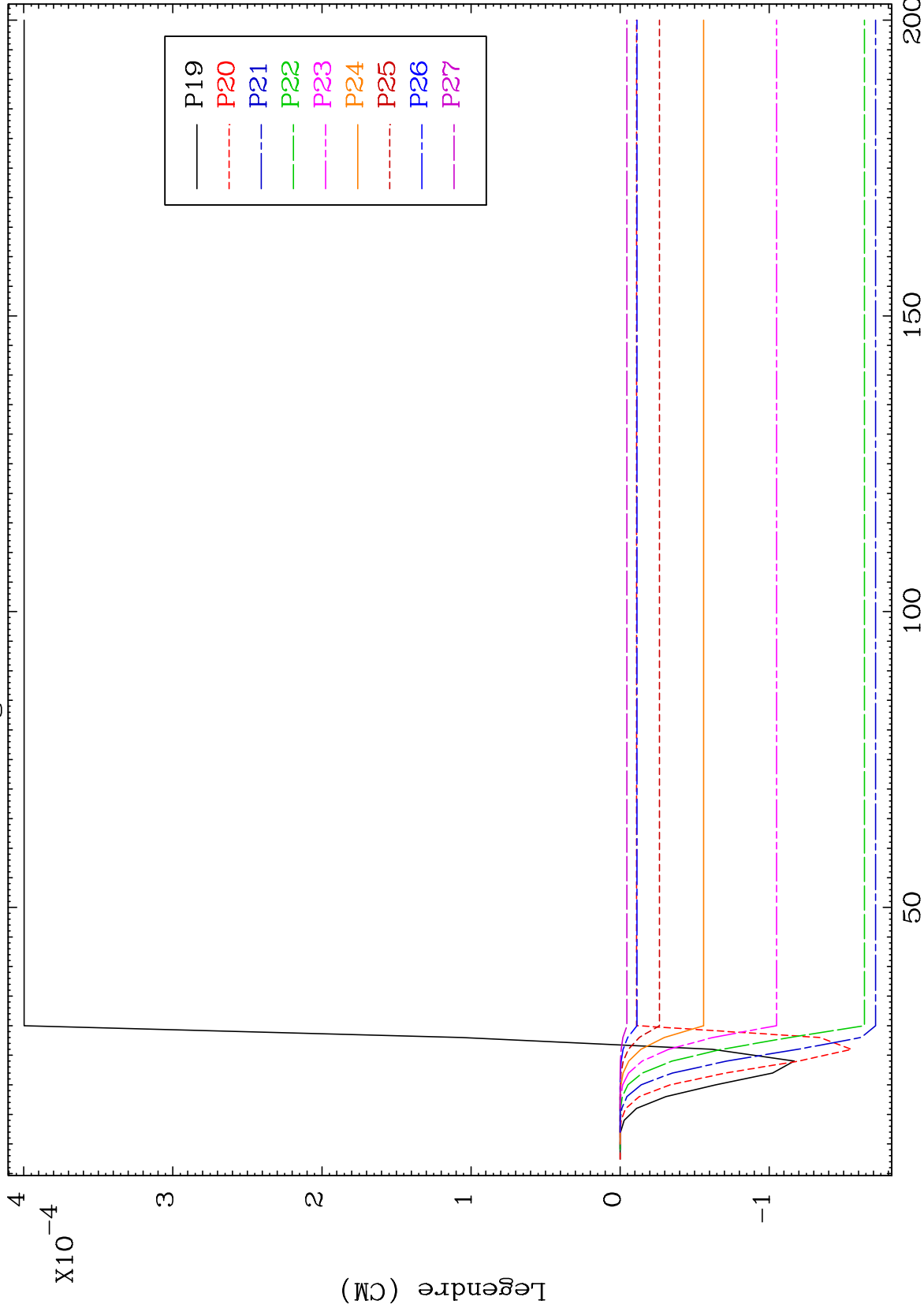
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



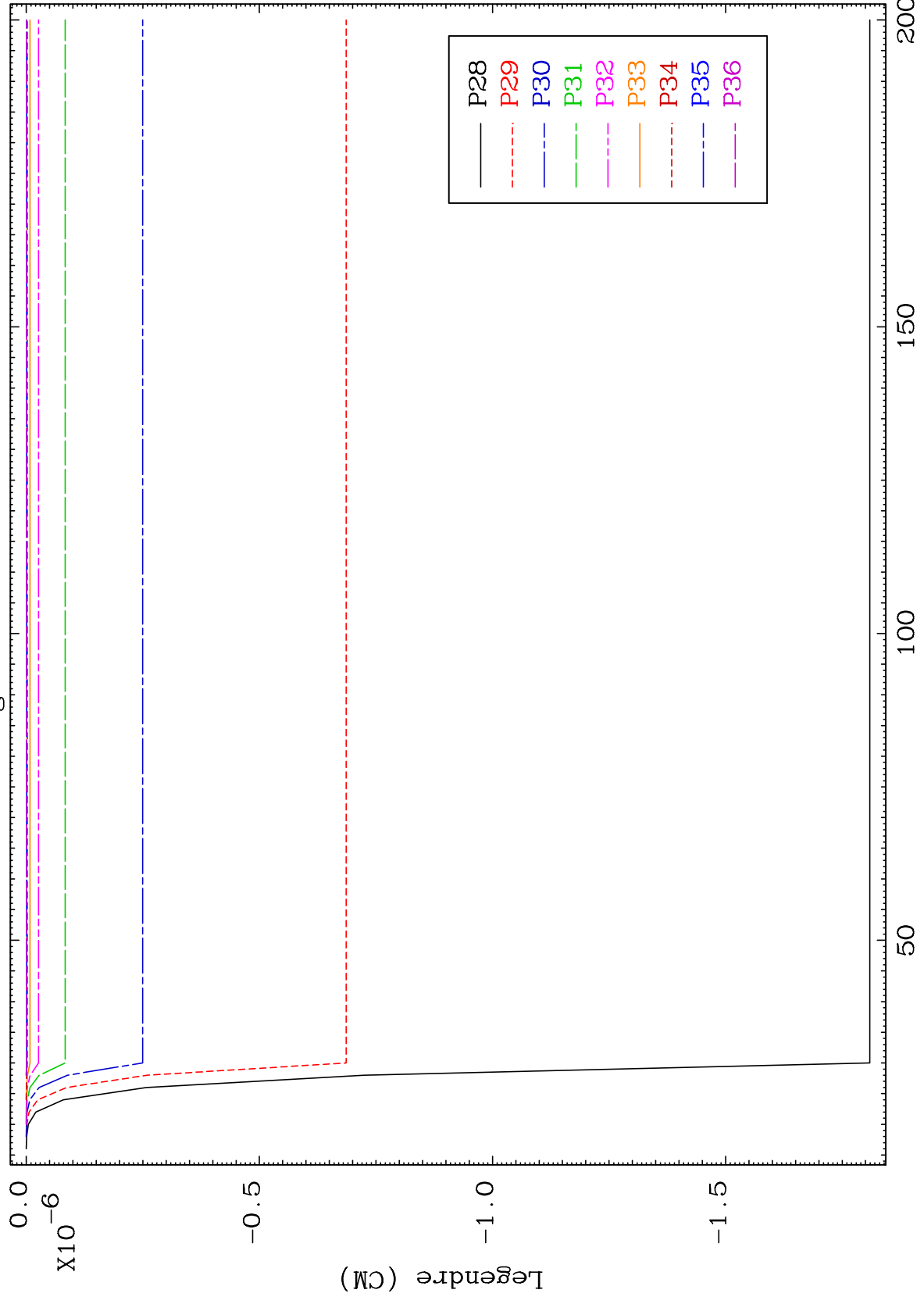
106

66-Dy-149

MAT 6604

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

66-Dy-149



66-Dy-149

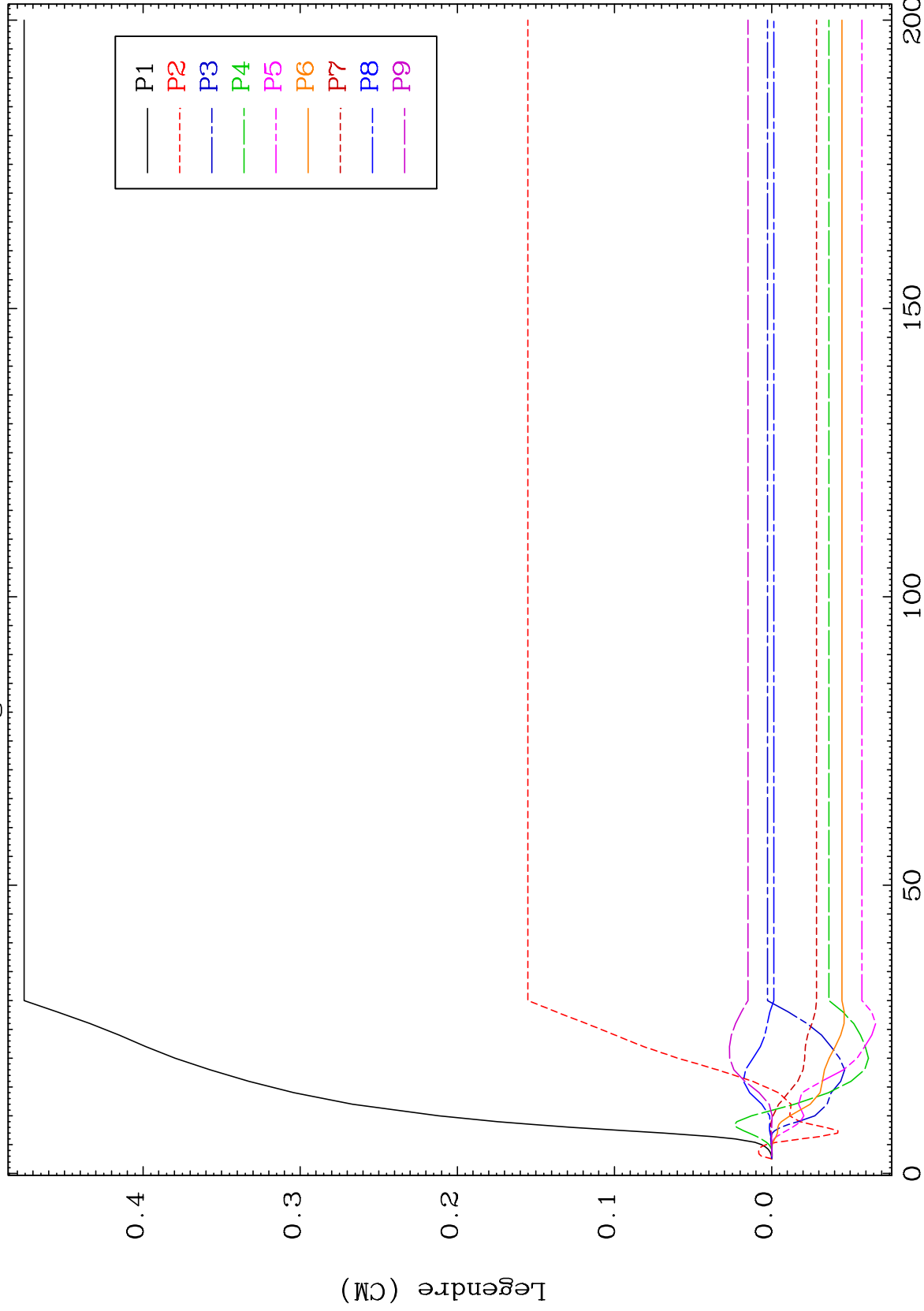
Incident Energy (MeV)

107

MAT 6604

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

66-Dy-149



108

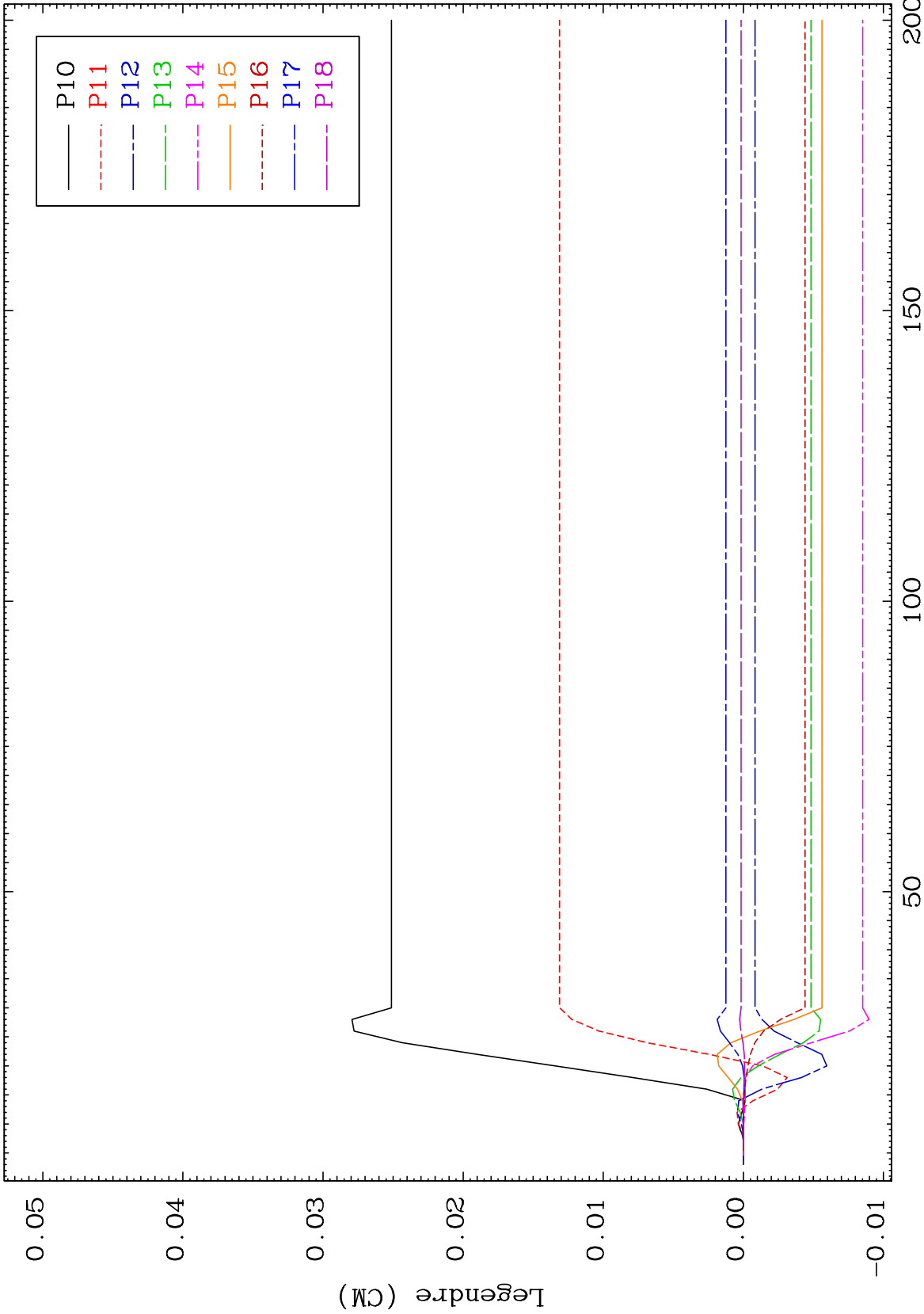
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



109

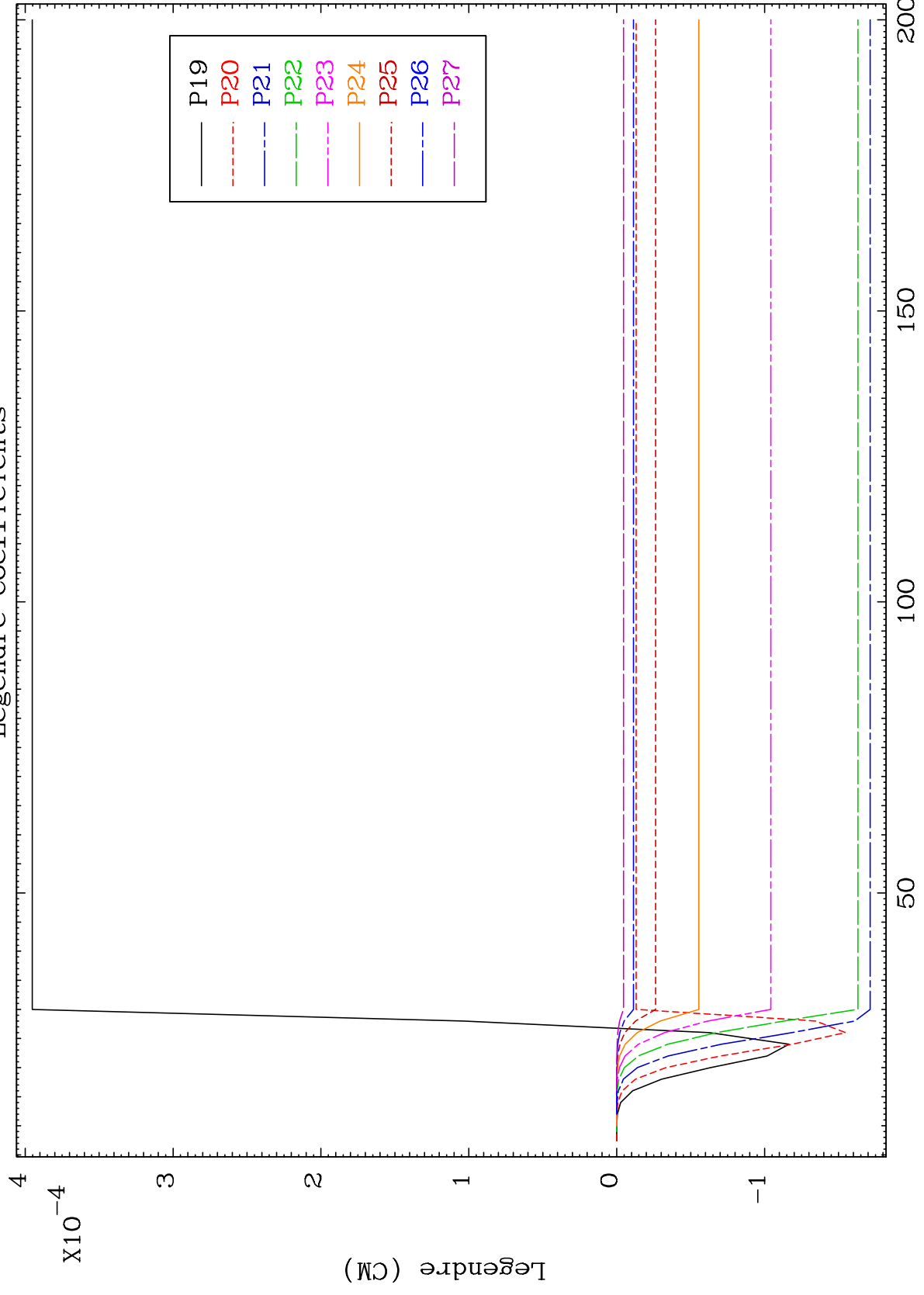
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



110

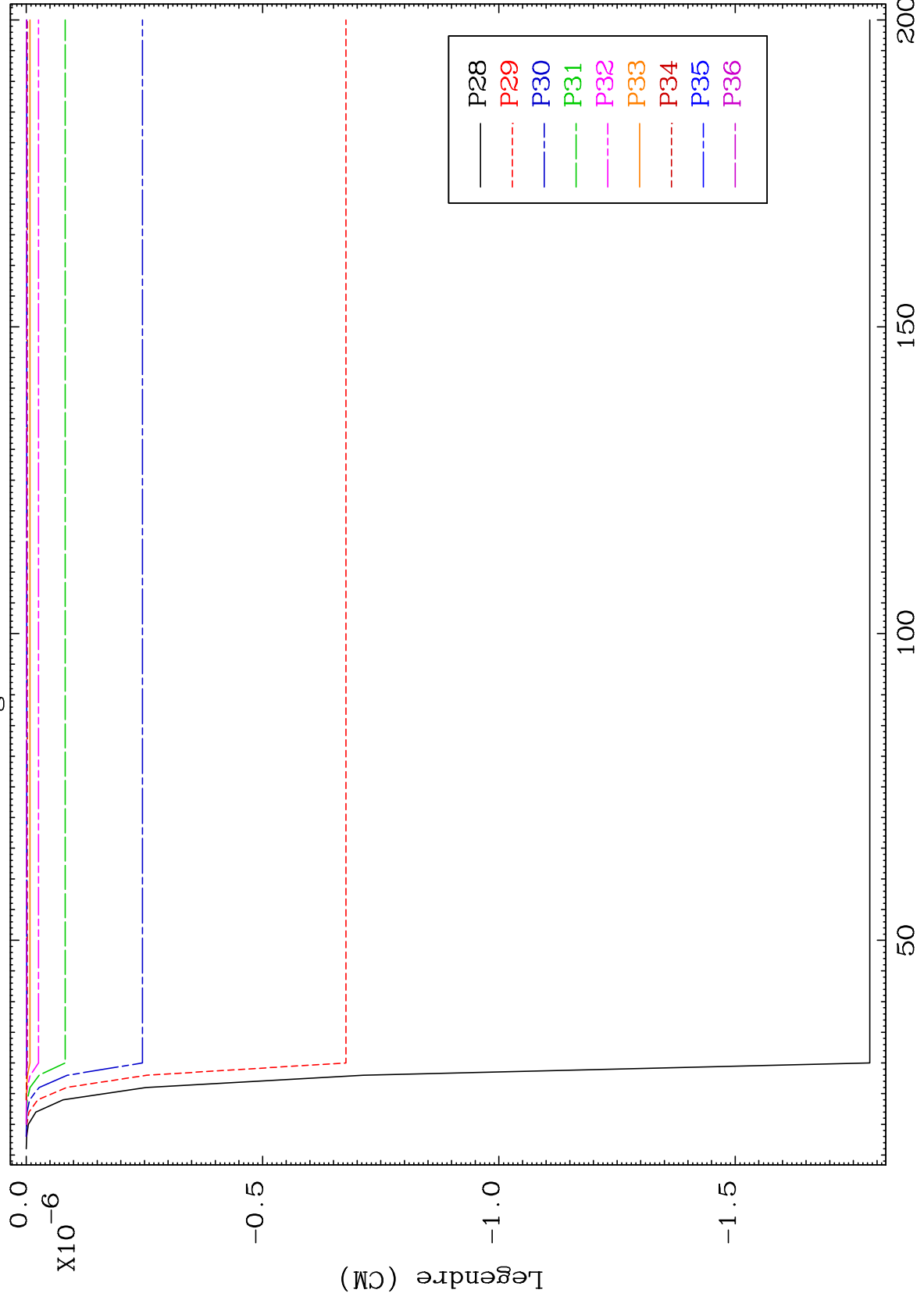
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



66-Dy-149

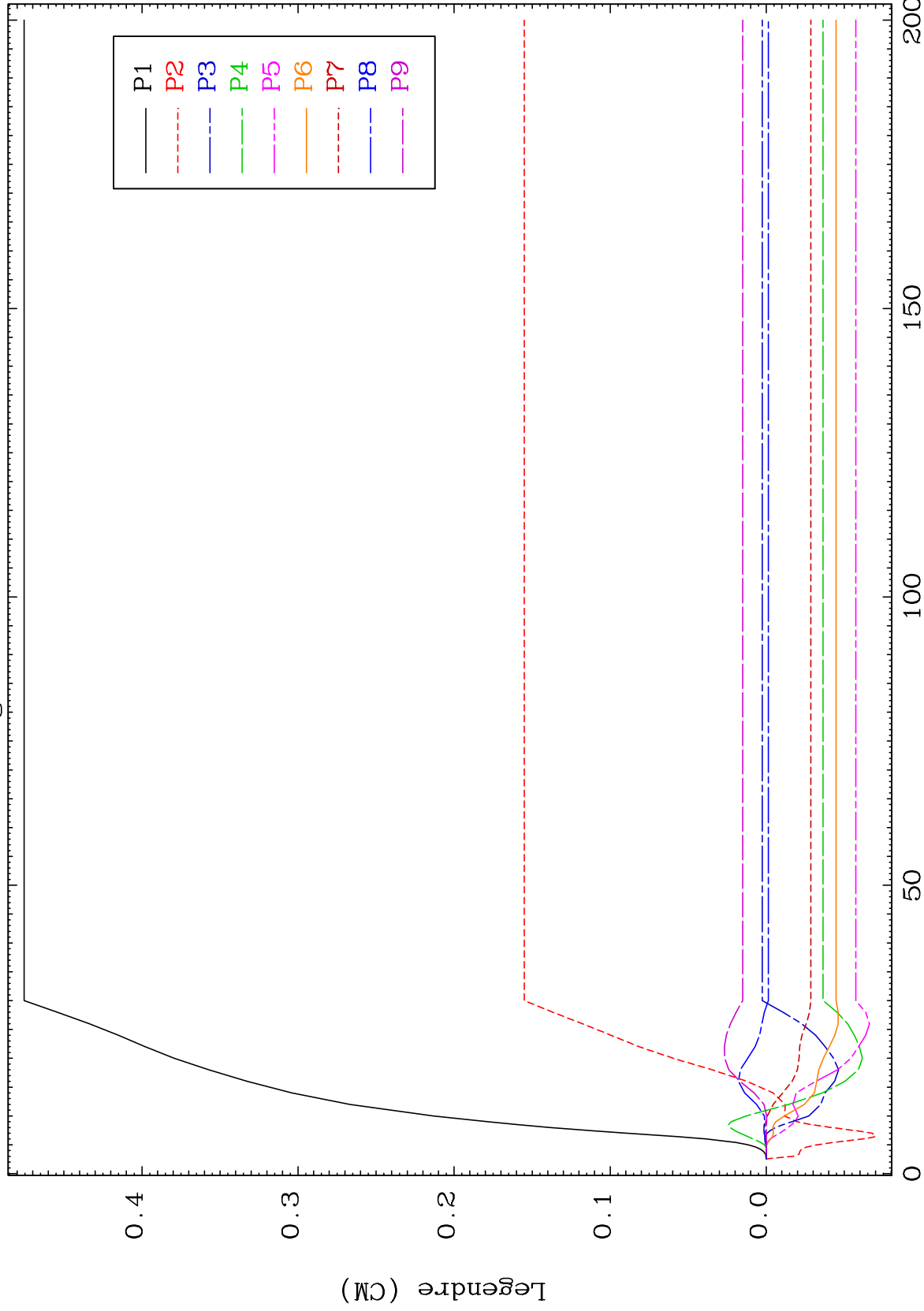
Incident Energy (MeV)

111

MAT 6604

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

66-Dy-149



112

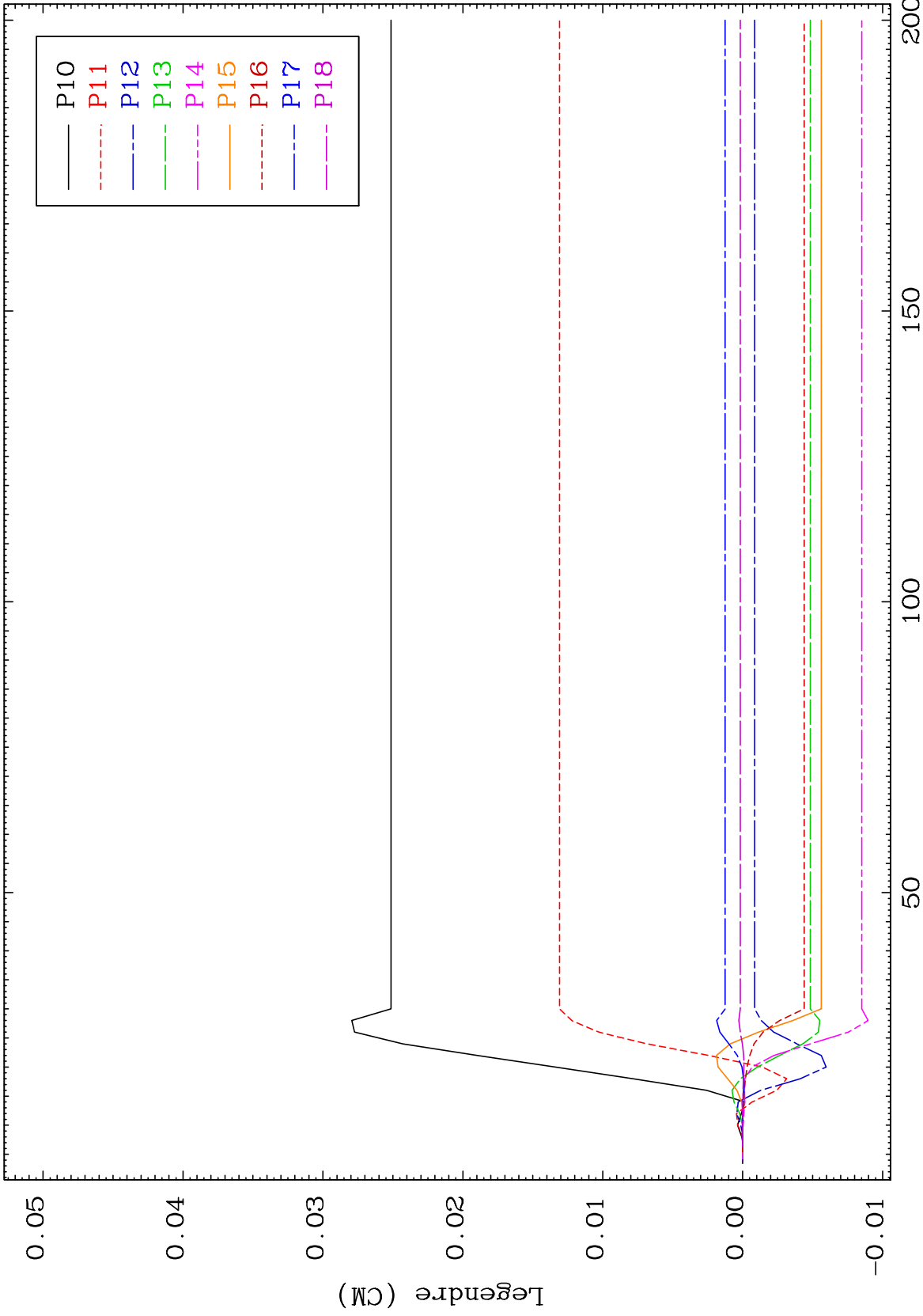
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



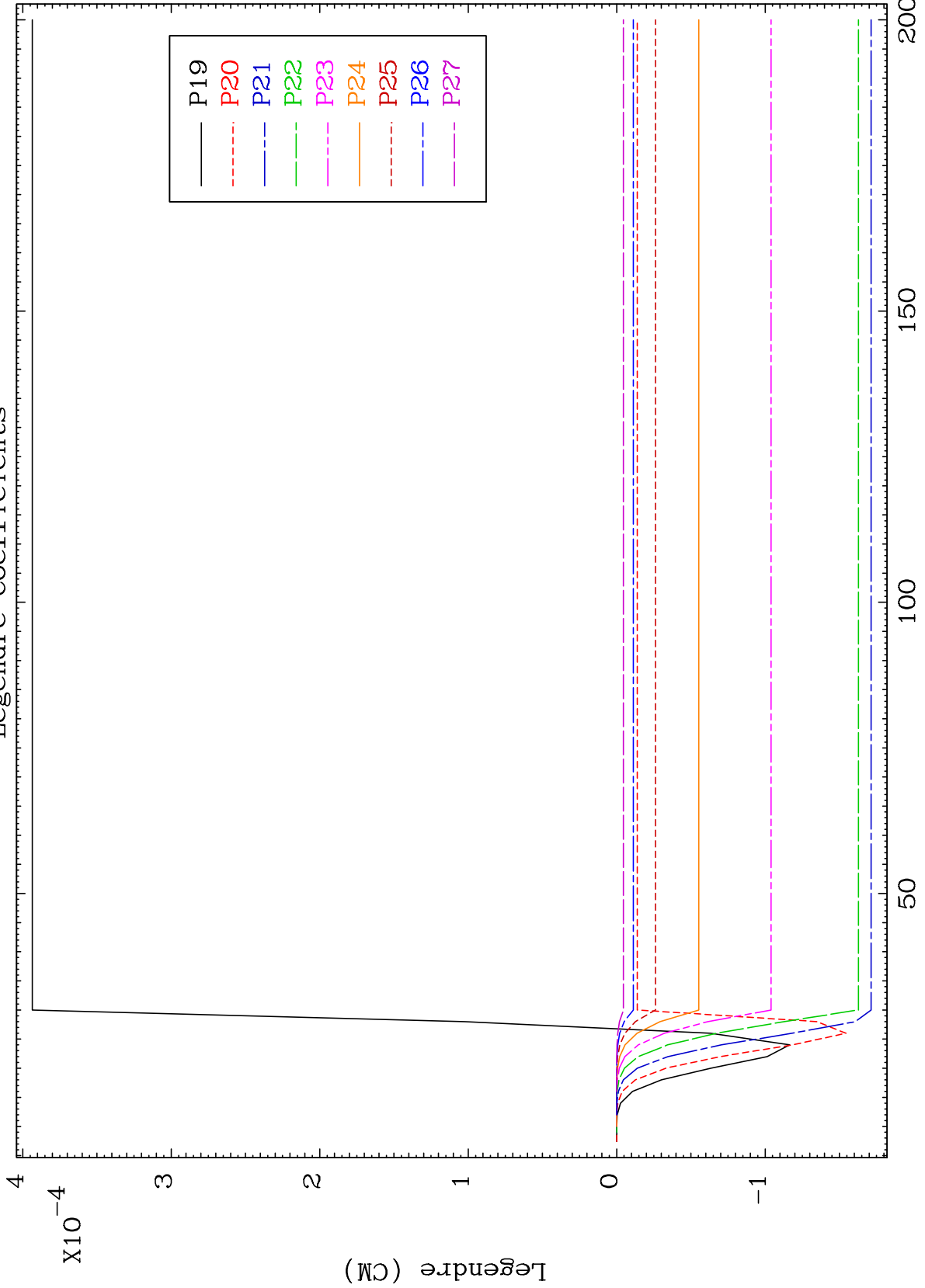
113

66-Dy-149

MAT 6604

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

66-Dy-149



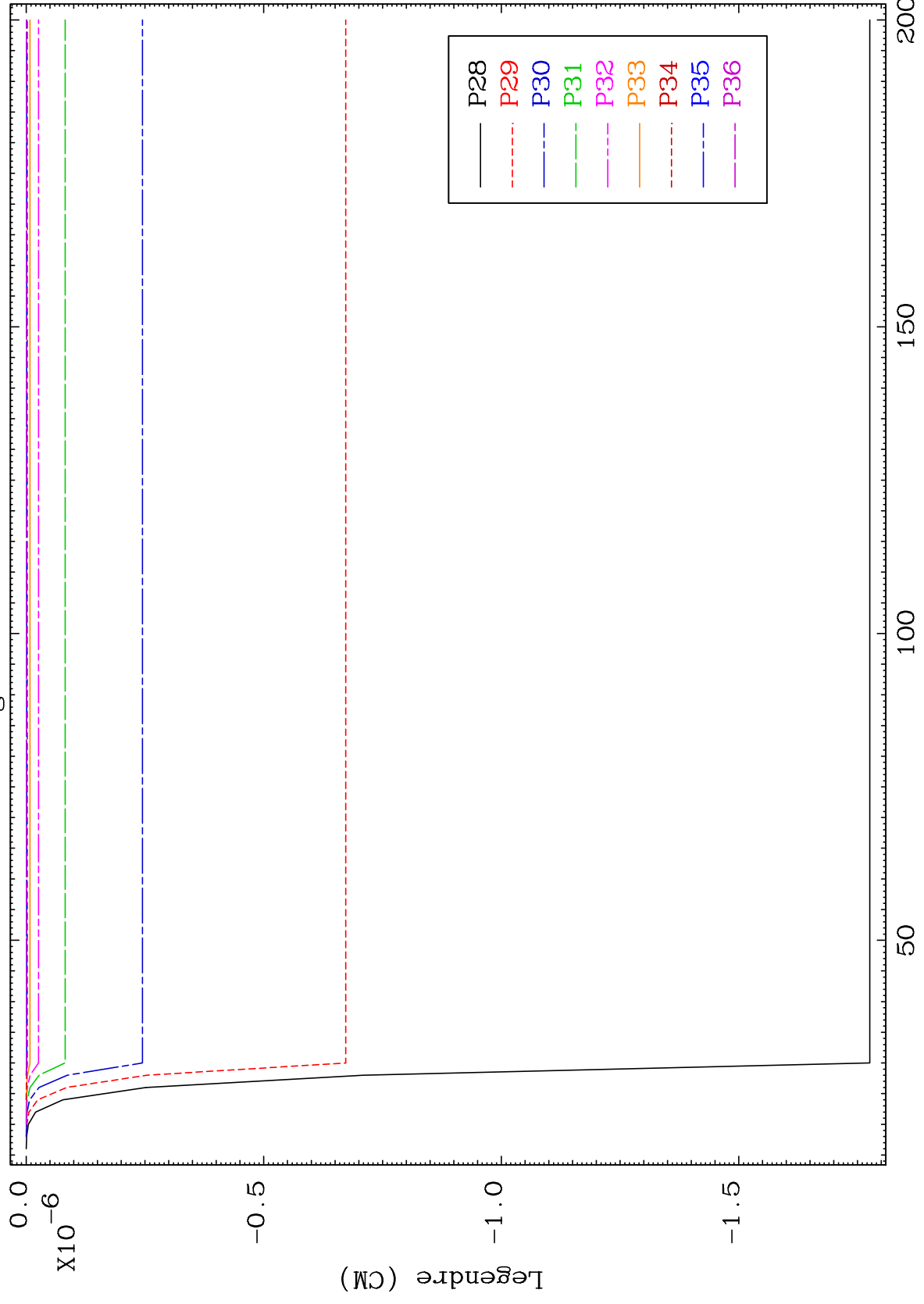
114

66-Dy-149

MAT 6604

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

66-Dy-149



66-Dy-149

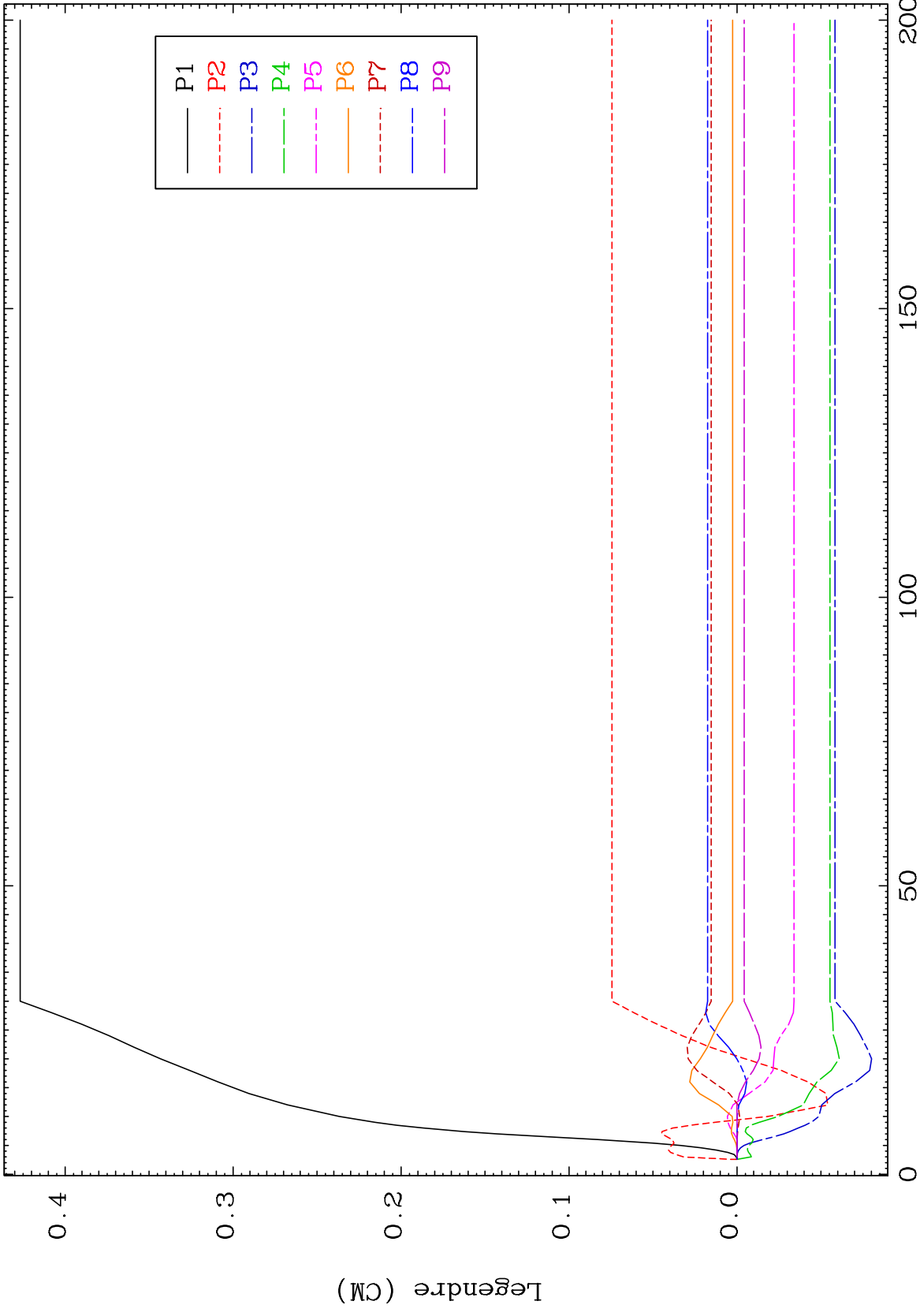
Incident Energy (MeV)

115

MAT 6604

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

66-Dy-149



116

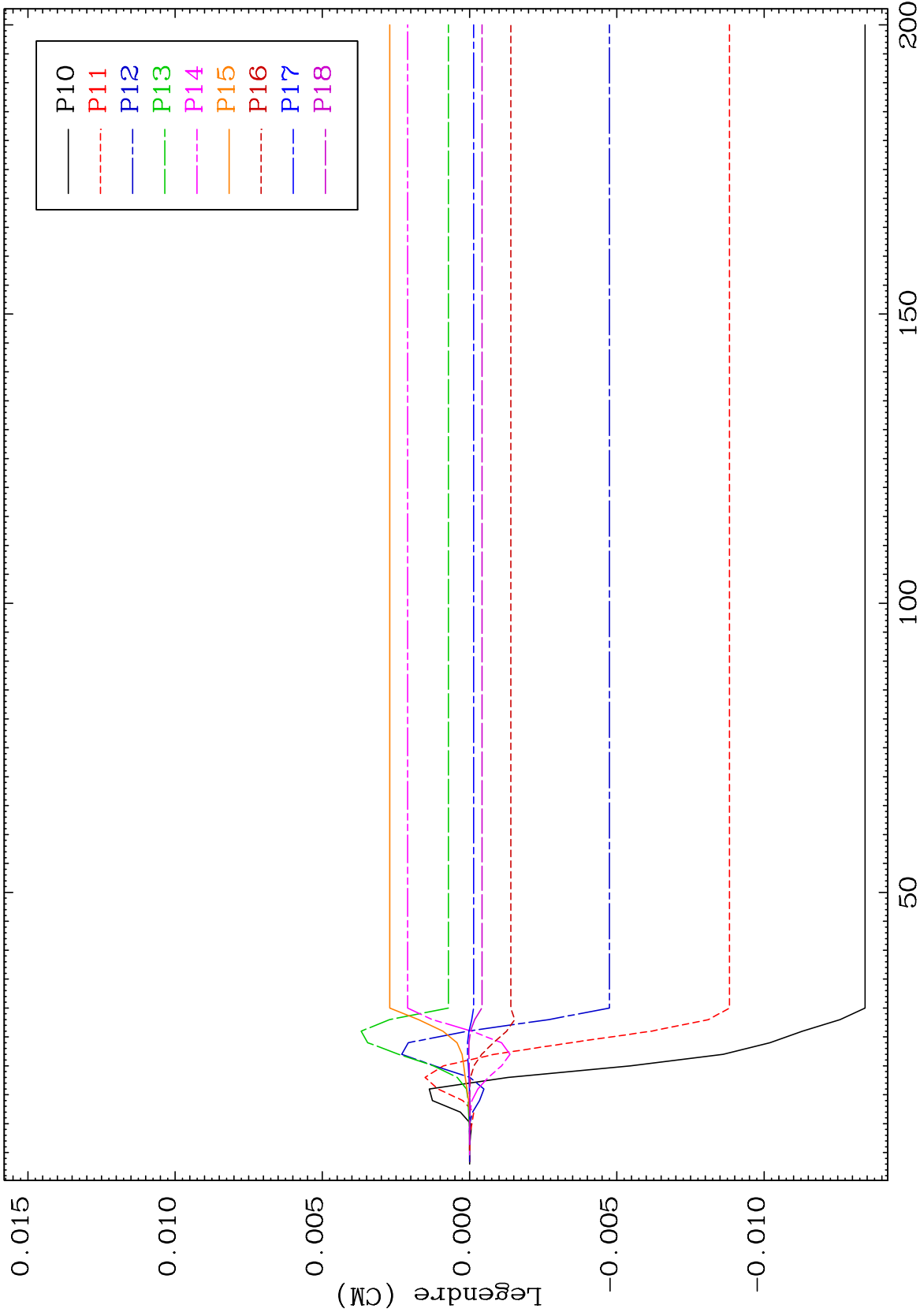
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



117

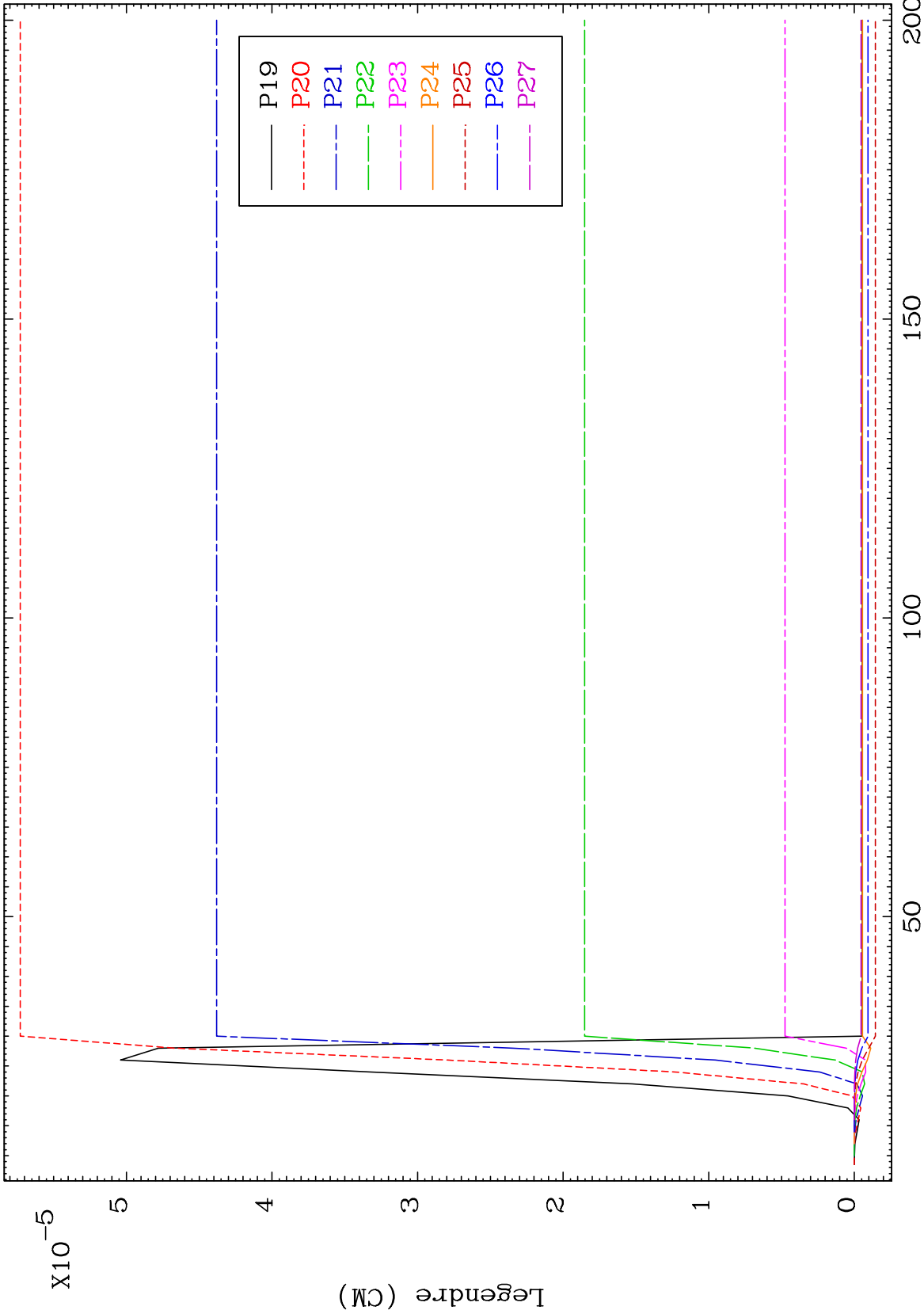
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



118

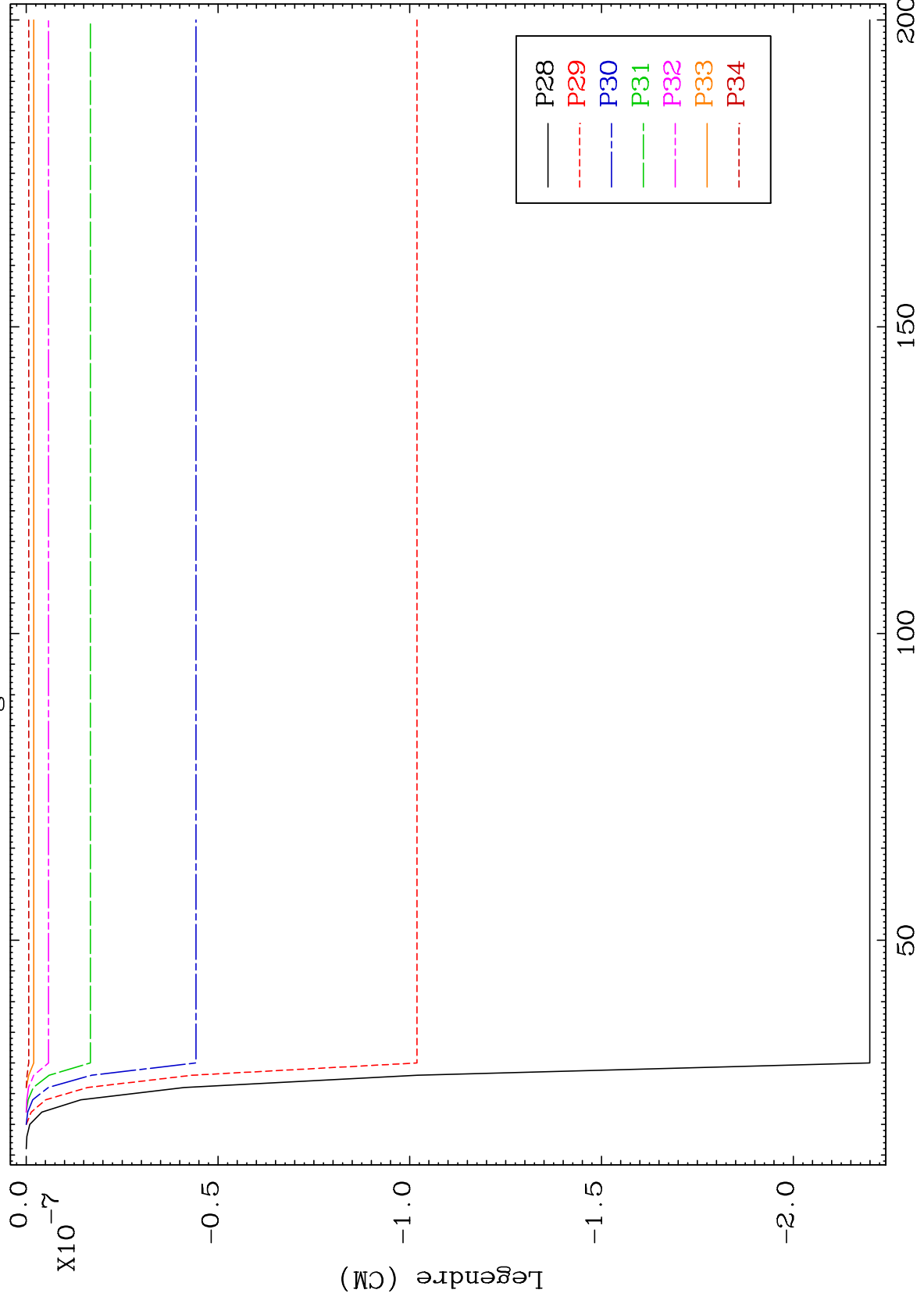
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

66-Dy-149



66-Dy-149

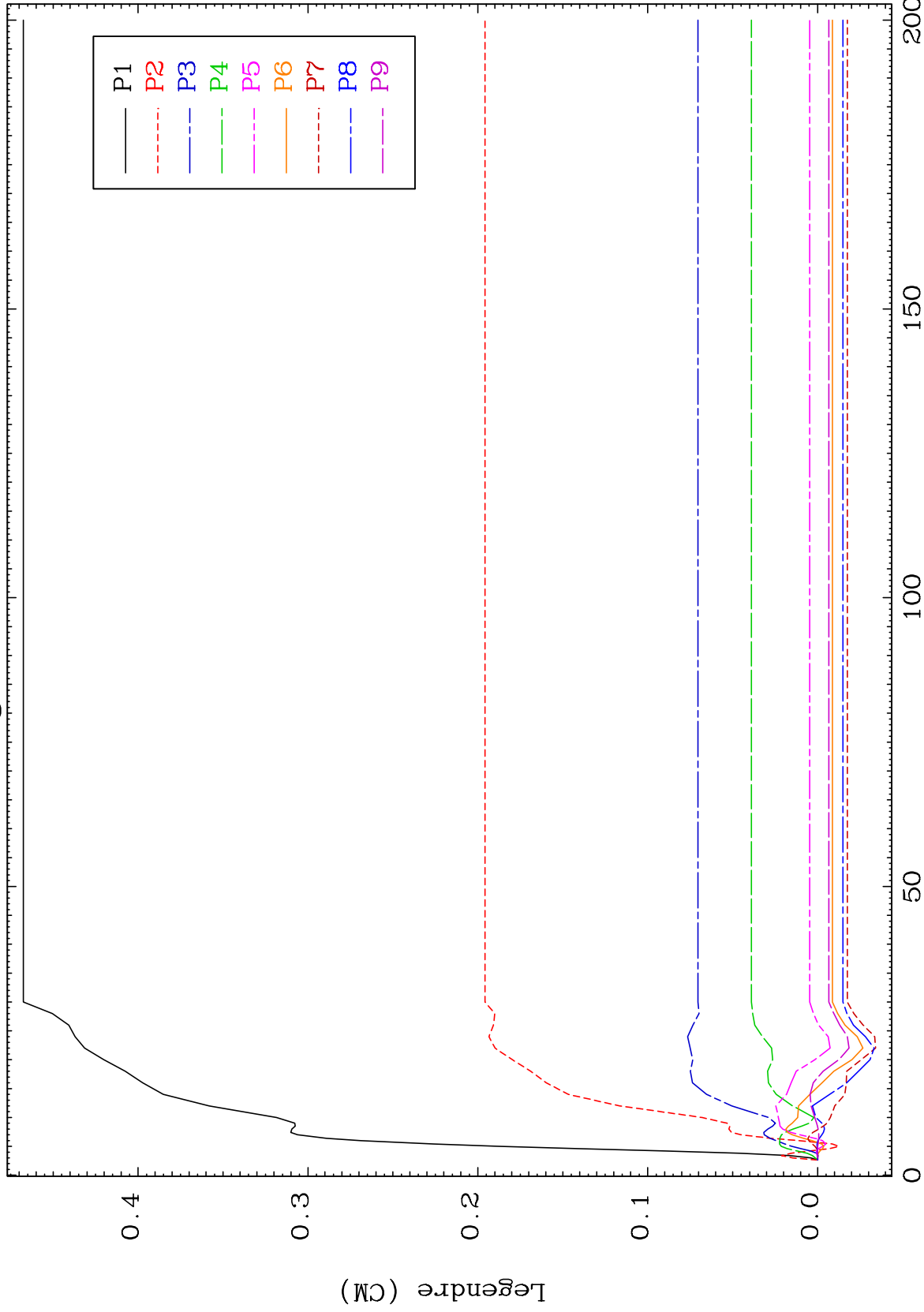
Incident Energy (MeV)

119

MAT 6604

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

66-Dy-149



66-Dy-149

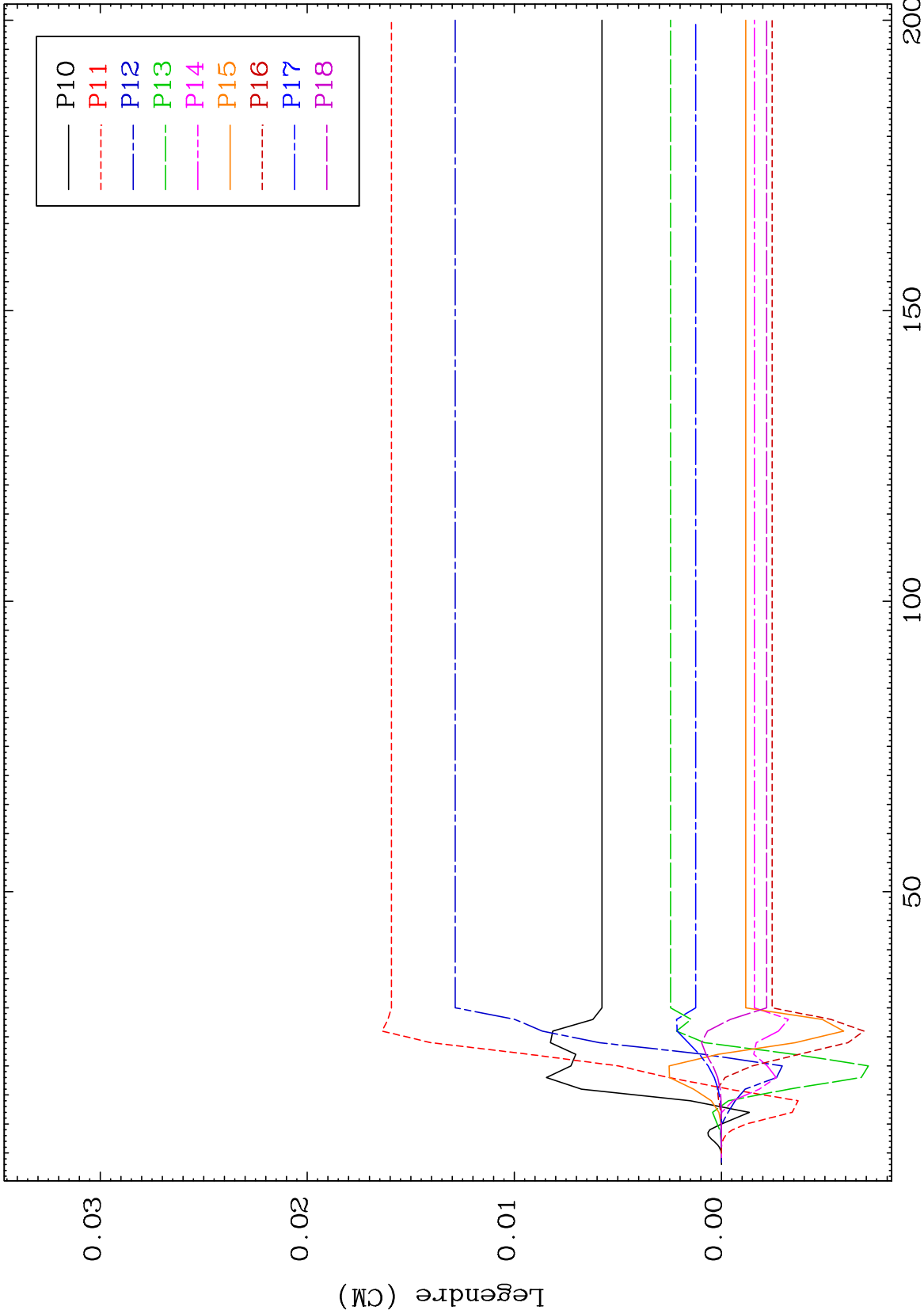
Incident Energy (MeV)

120

MAT 6604

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

66-Dy-149



121

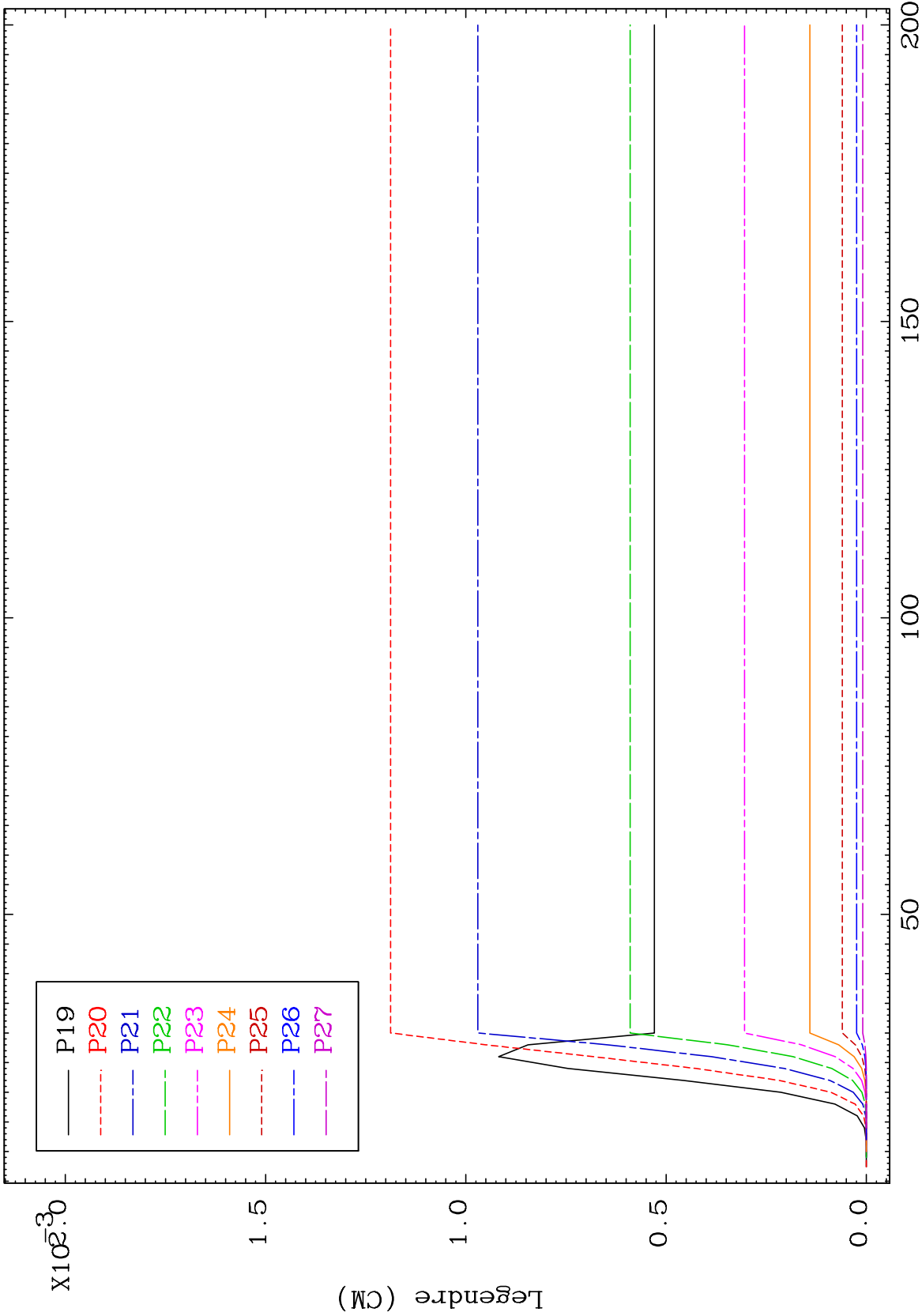
Incident Energy (MeV)

66-Dy-149

MAT 6604

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

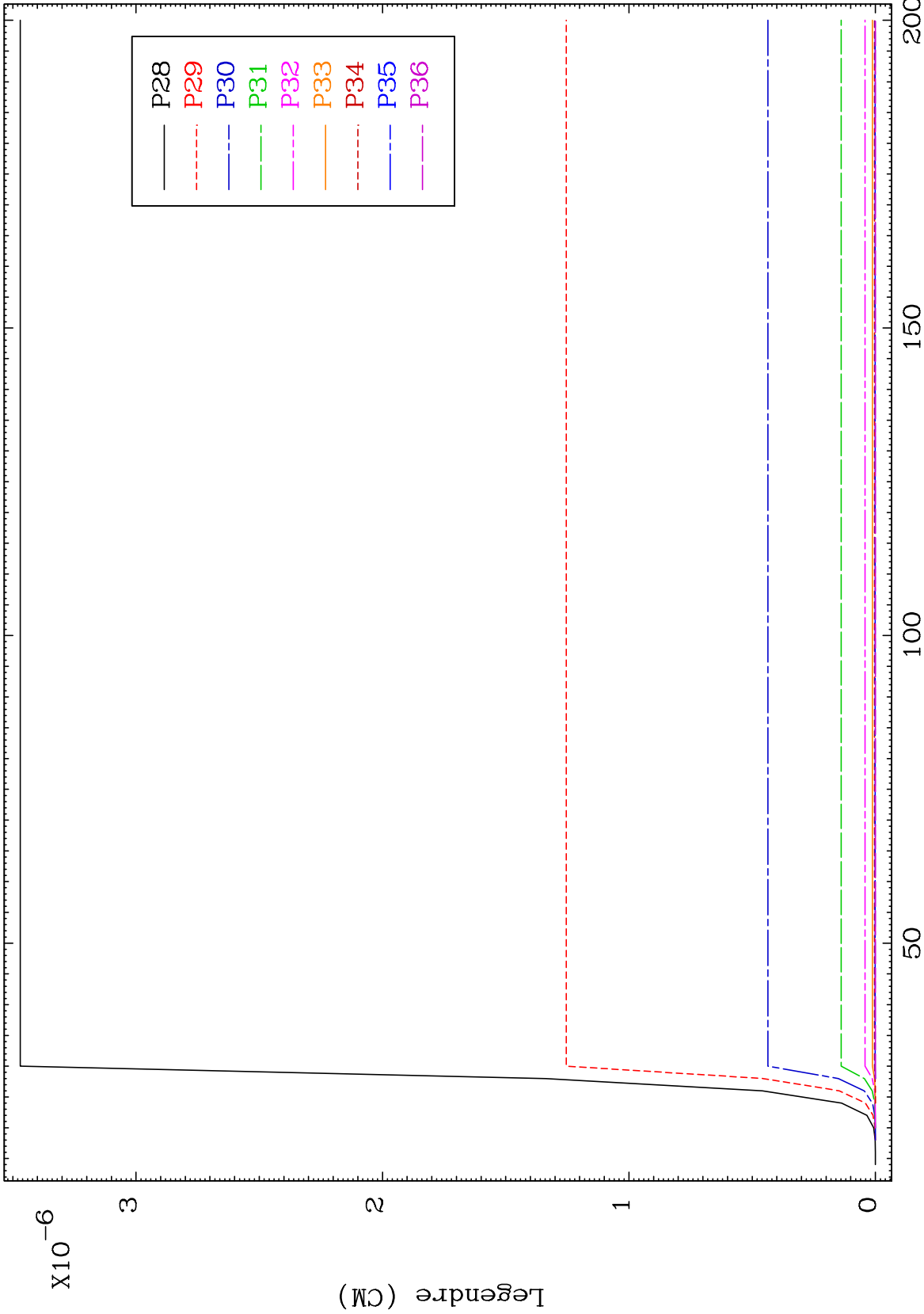
66-Dy-149



MAT 6604

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

66-Dy-149



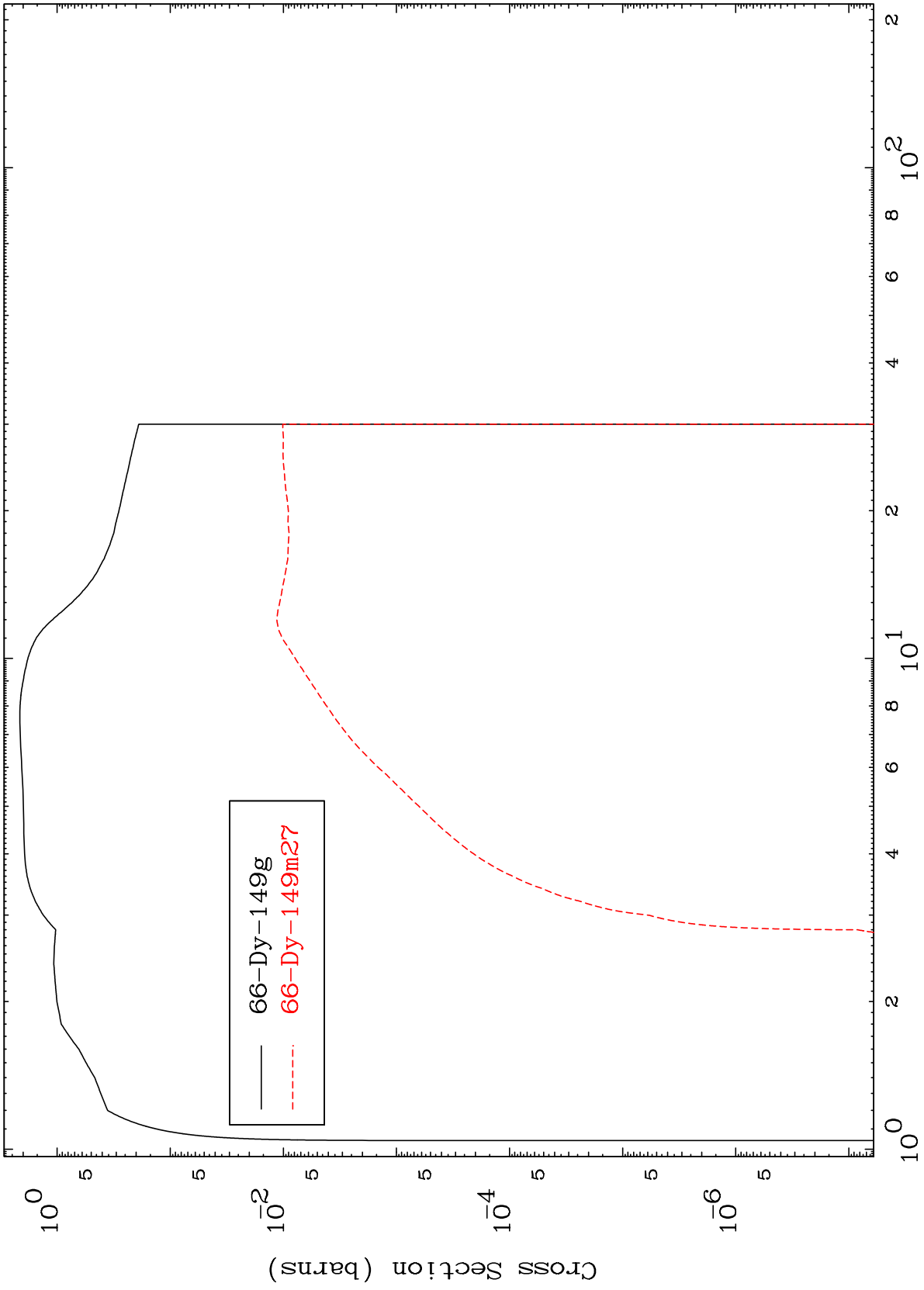
123

66-Dy-149

MAT 6604

Radionuclide Production Cross Section

66-Dy-149



124

Incident Energy (MeV)

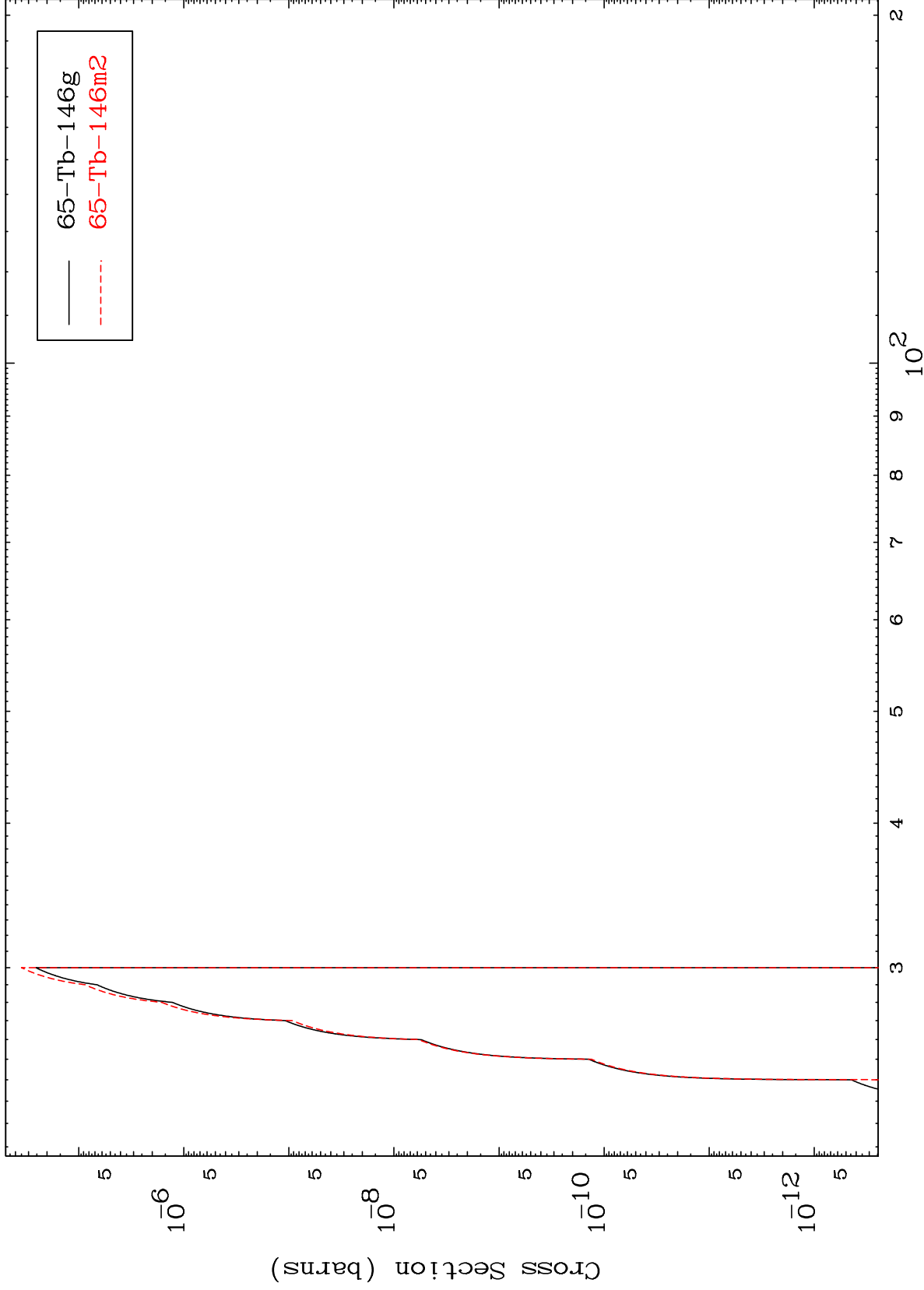
66-Dy-149

MAT 6604

(n,2n) d

66-Dy-149

Radionuclide Production Cross Section



125

Incident Energy (MeV)

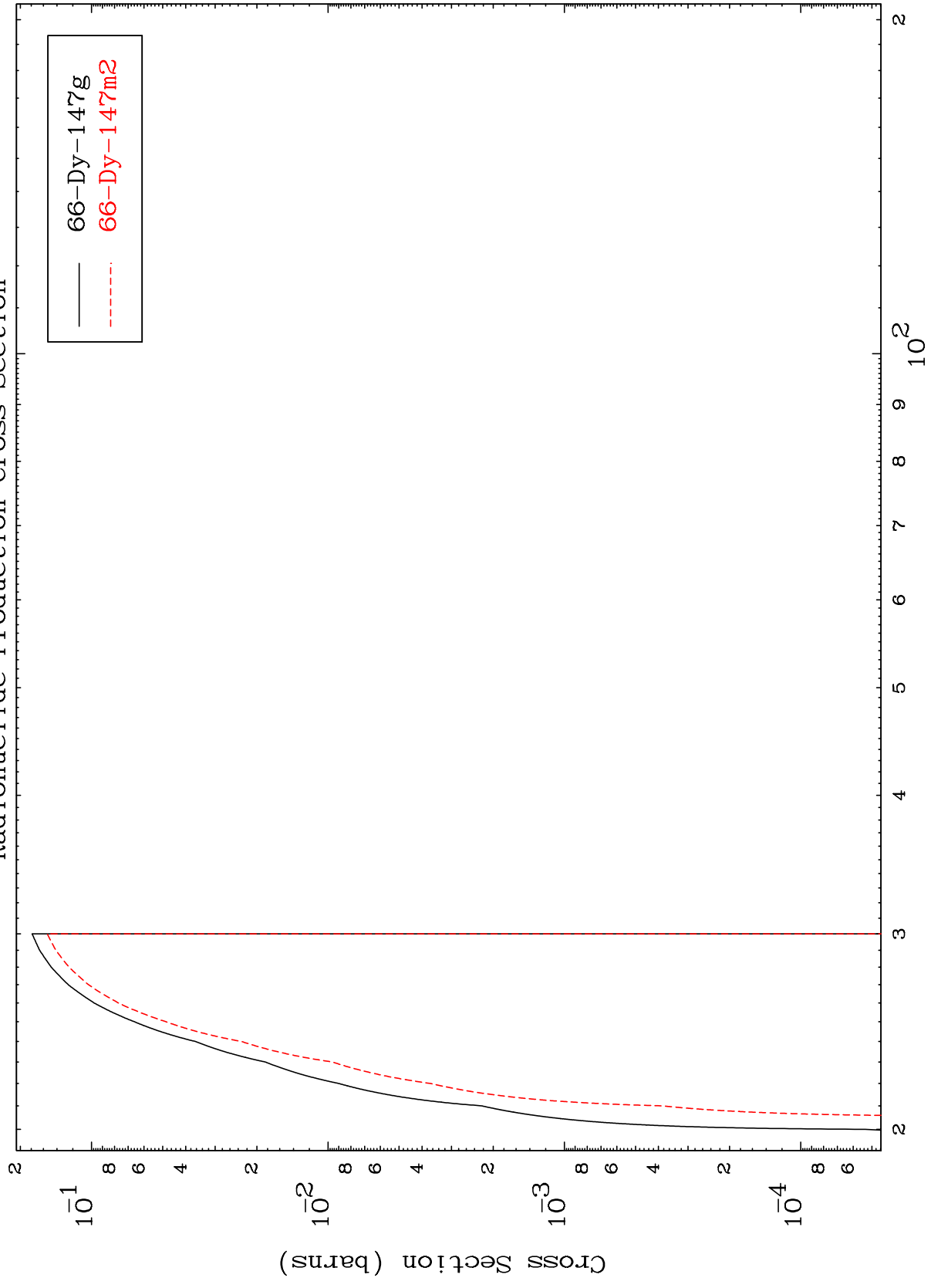
66-Dy-149

MAT 6604

(n,3n)

66-Dy-149

Radionuclide Production Cross Section



126

Incident Energy (MeV)

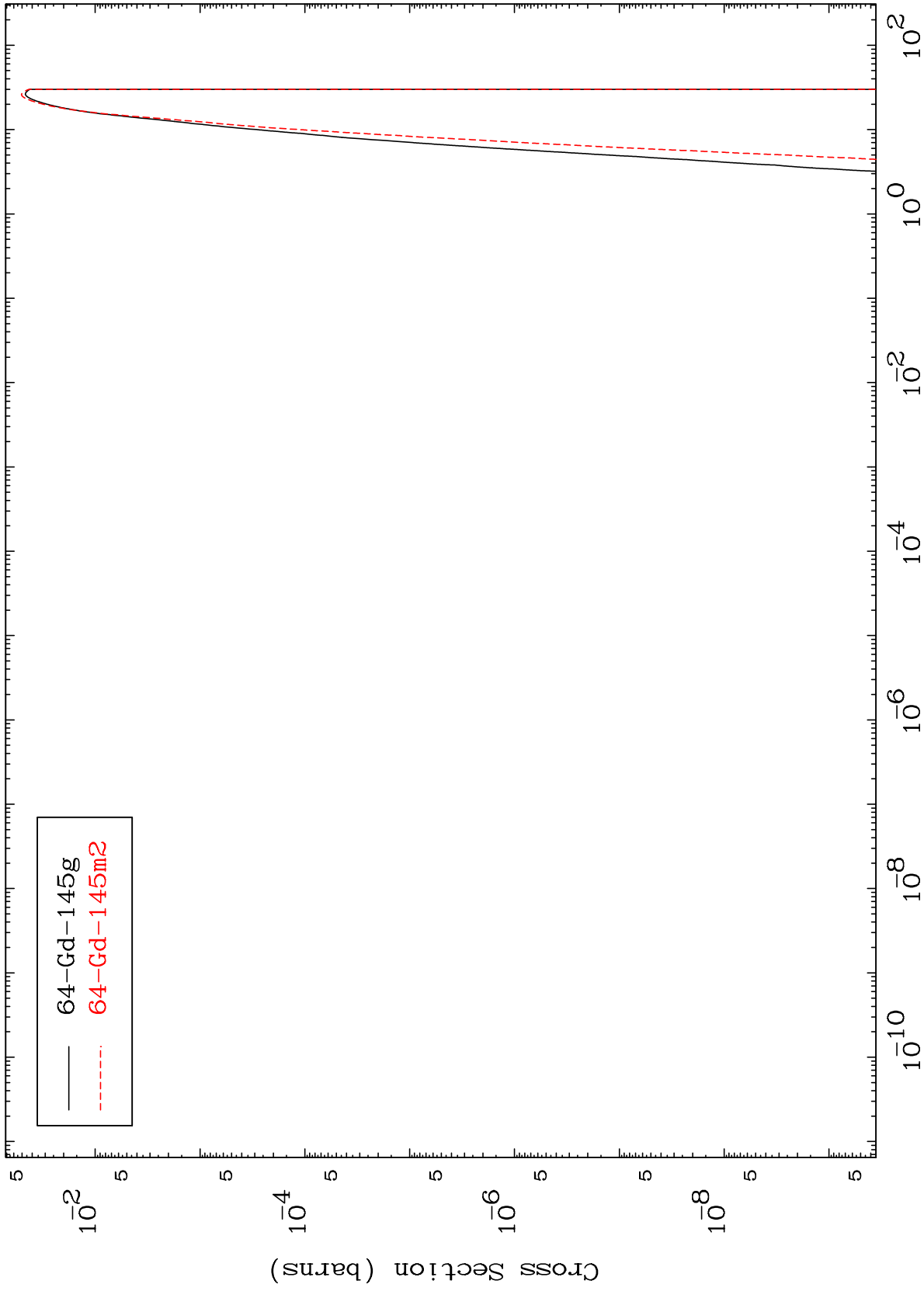
66-Dy-149

MAT 6604

(n,n') α

66-Dy-149

Radionuclide Production Cross Section



127

Incident Energy (MeV)

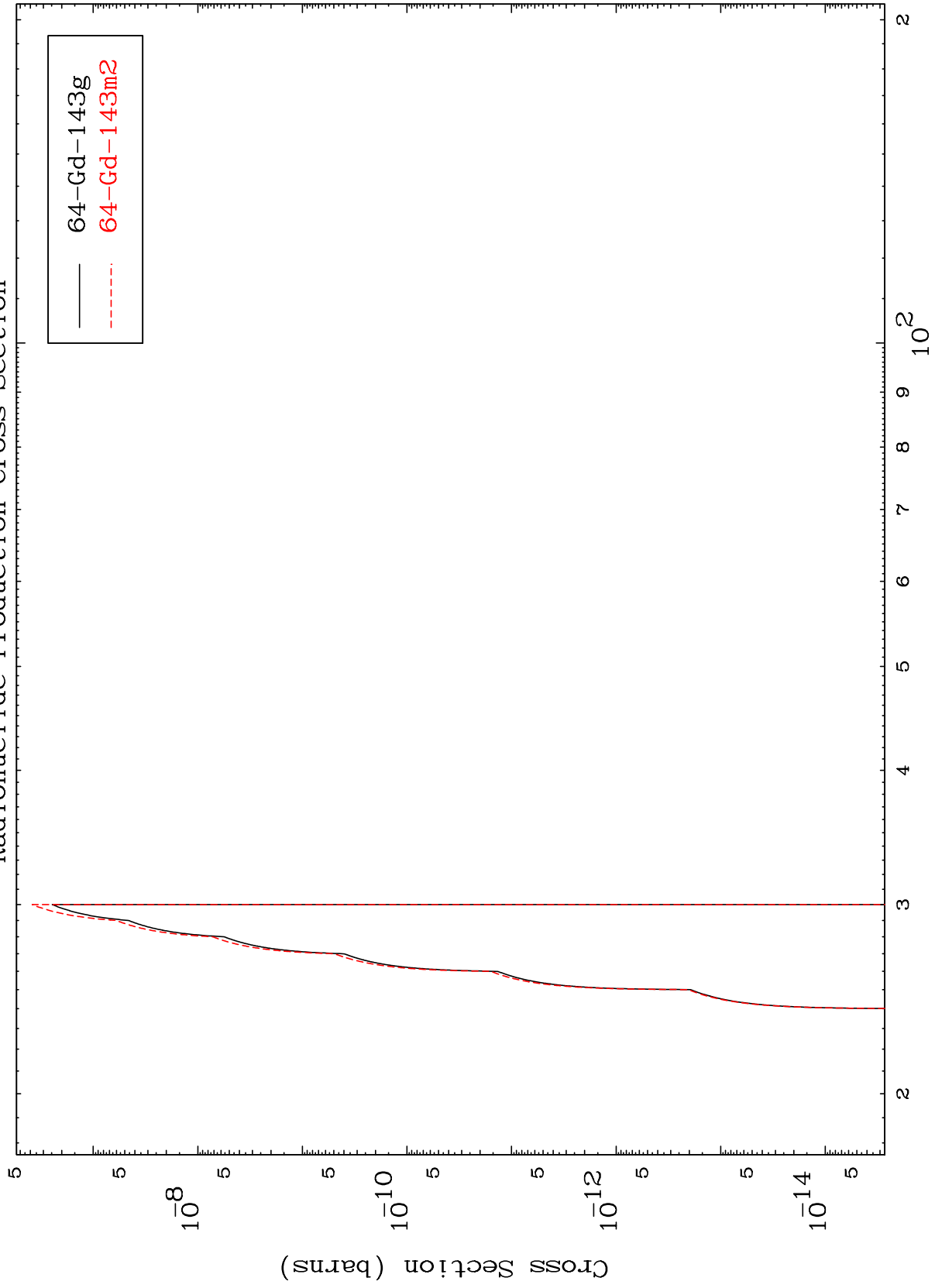
66-Dy-149

MAT 6604

(n,3n) α

66-Dy-149

Radionuclide Production Cross Section



128

Incident Energy (MeV)

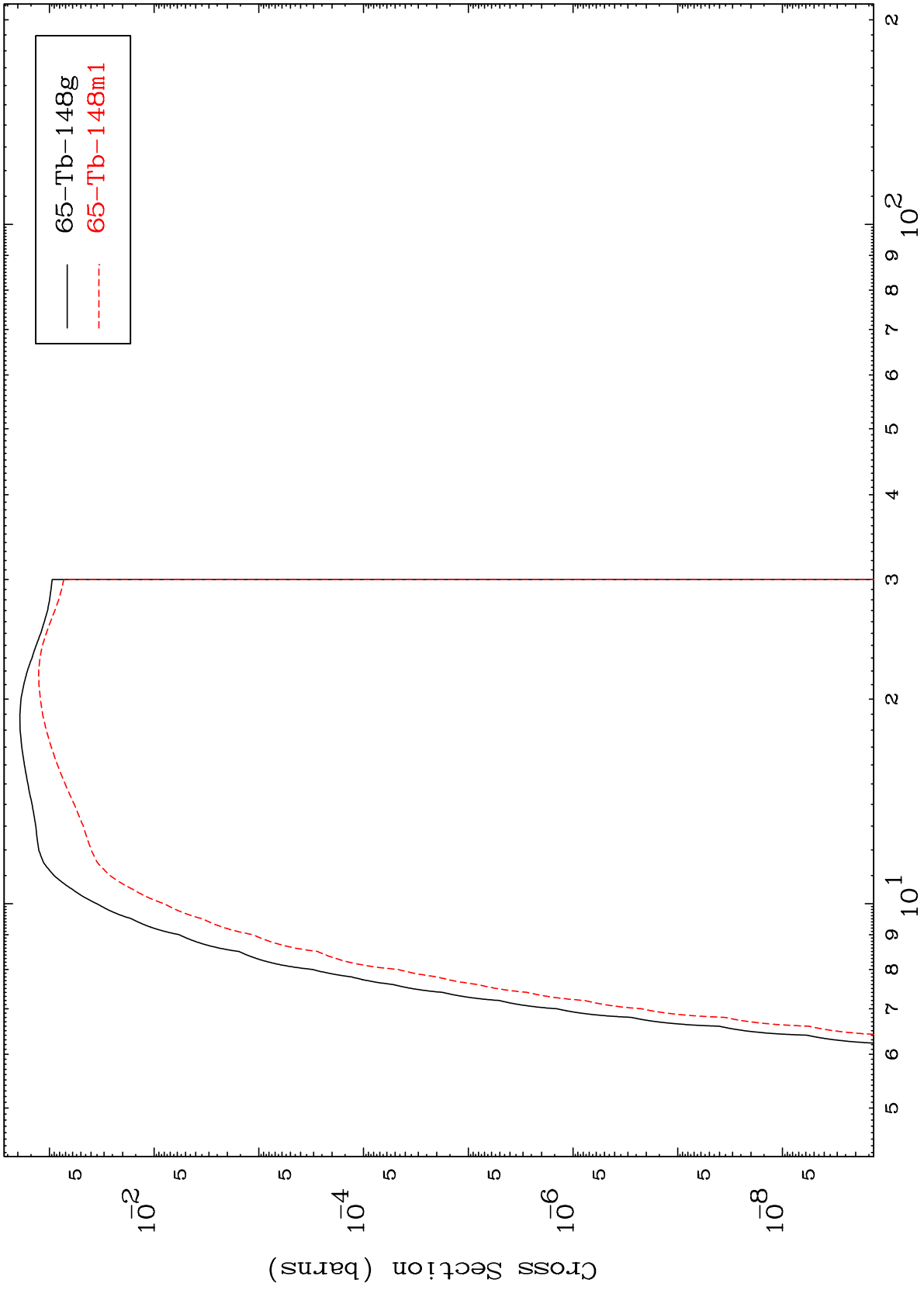
66-Dy-149

MAT 6604

(n, n') p

66-Dy-149

Radionuclide Production Cross Section



129

Incident Energy (MeV)

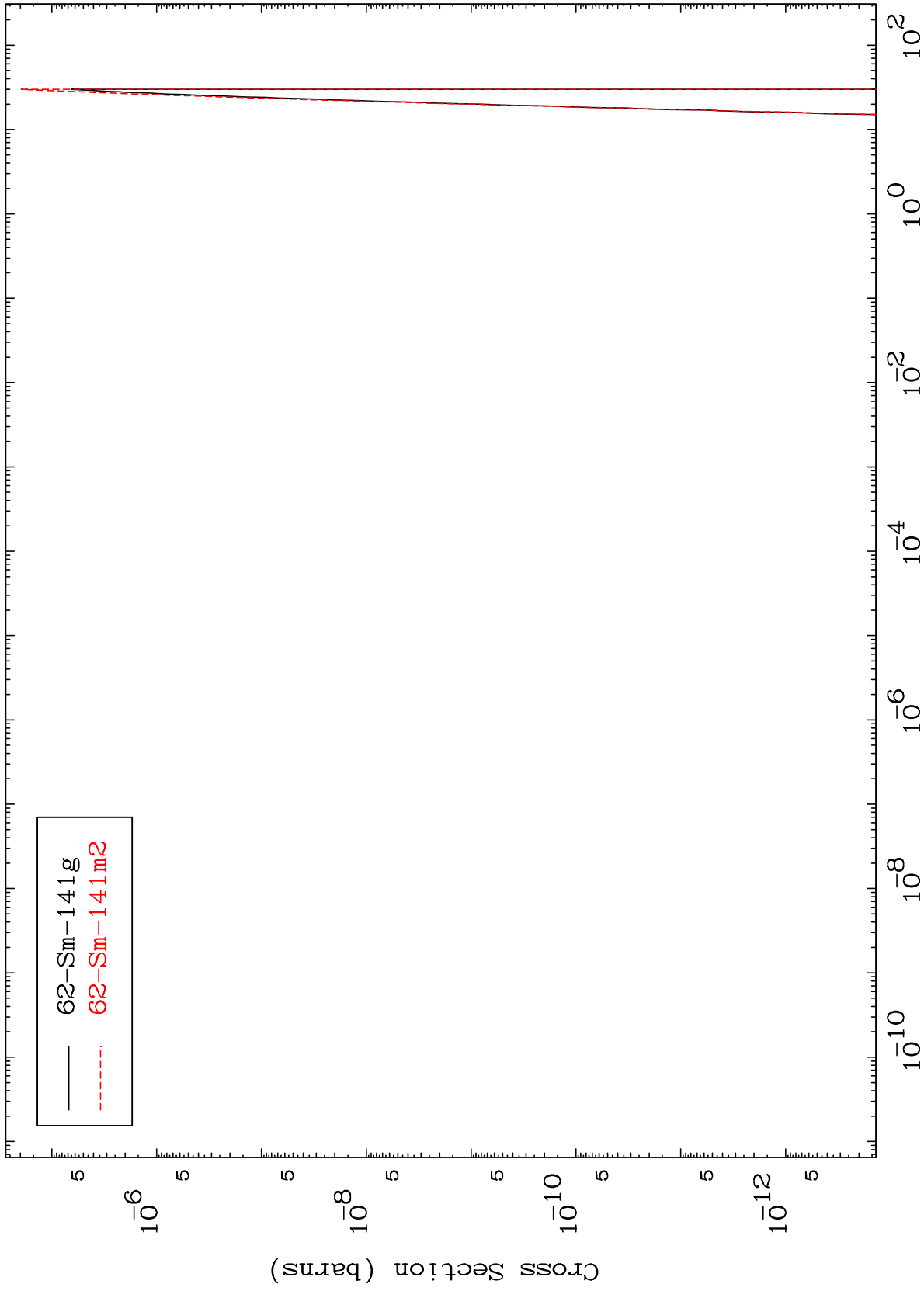
66-Dy-149

MAT 6604

(n,n') 2 α

66-Dy-149

Radionuclide Production Cross Section



130

Incident Energy (MeV)

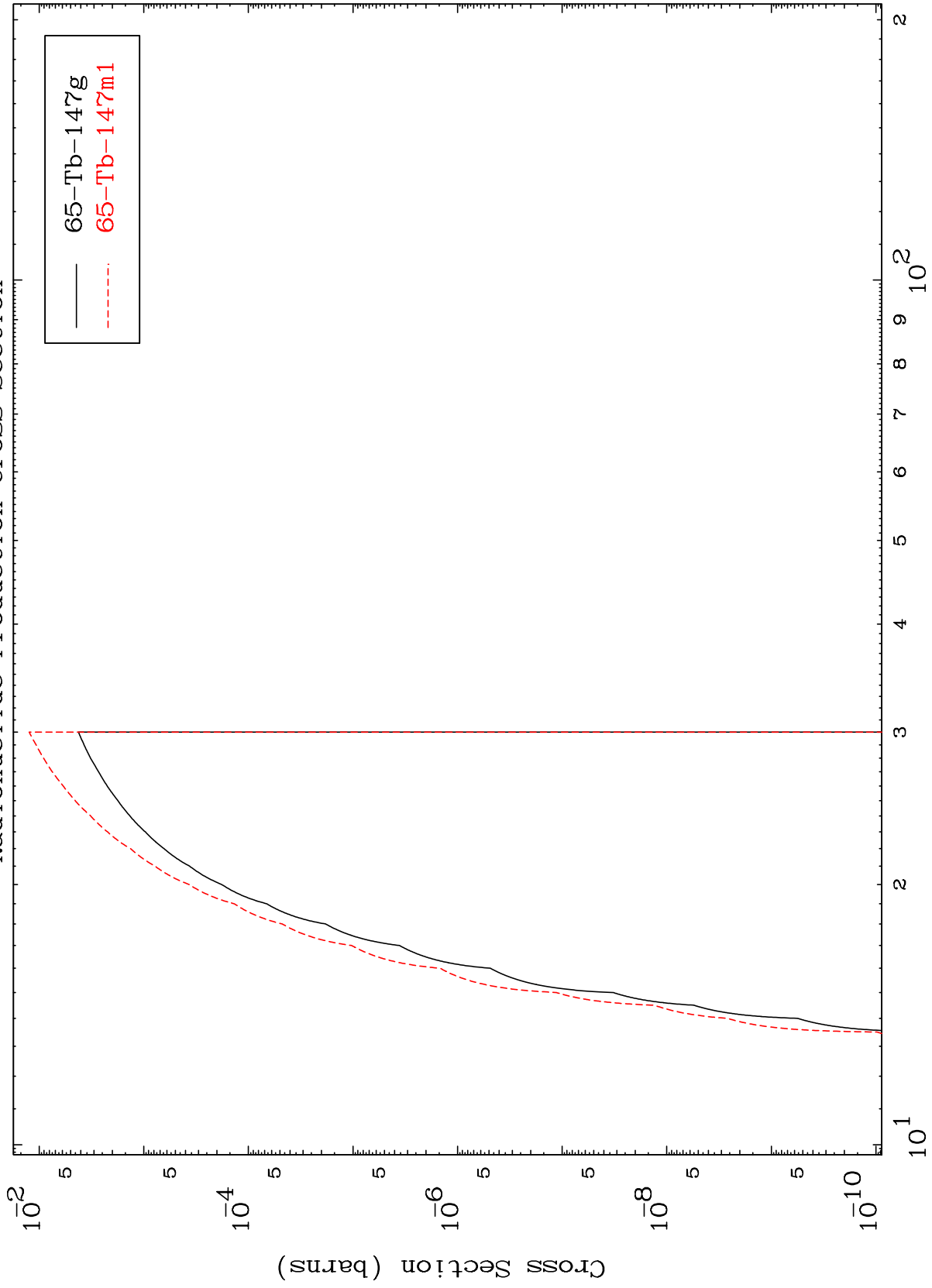
66-Dy-149

MAT 6604

(n,n') d

66-Dy-149

Radionuclide Production Cross Section



131

Incident Energy (MeV)

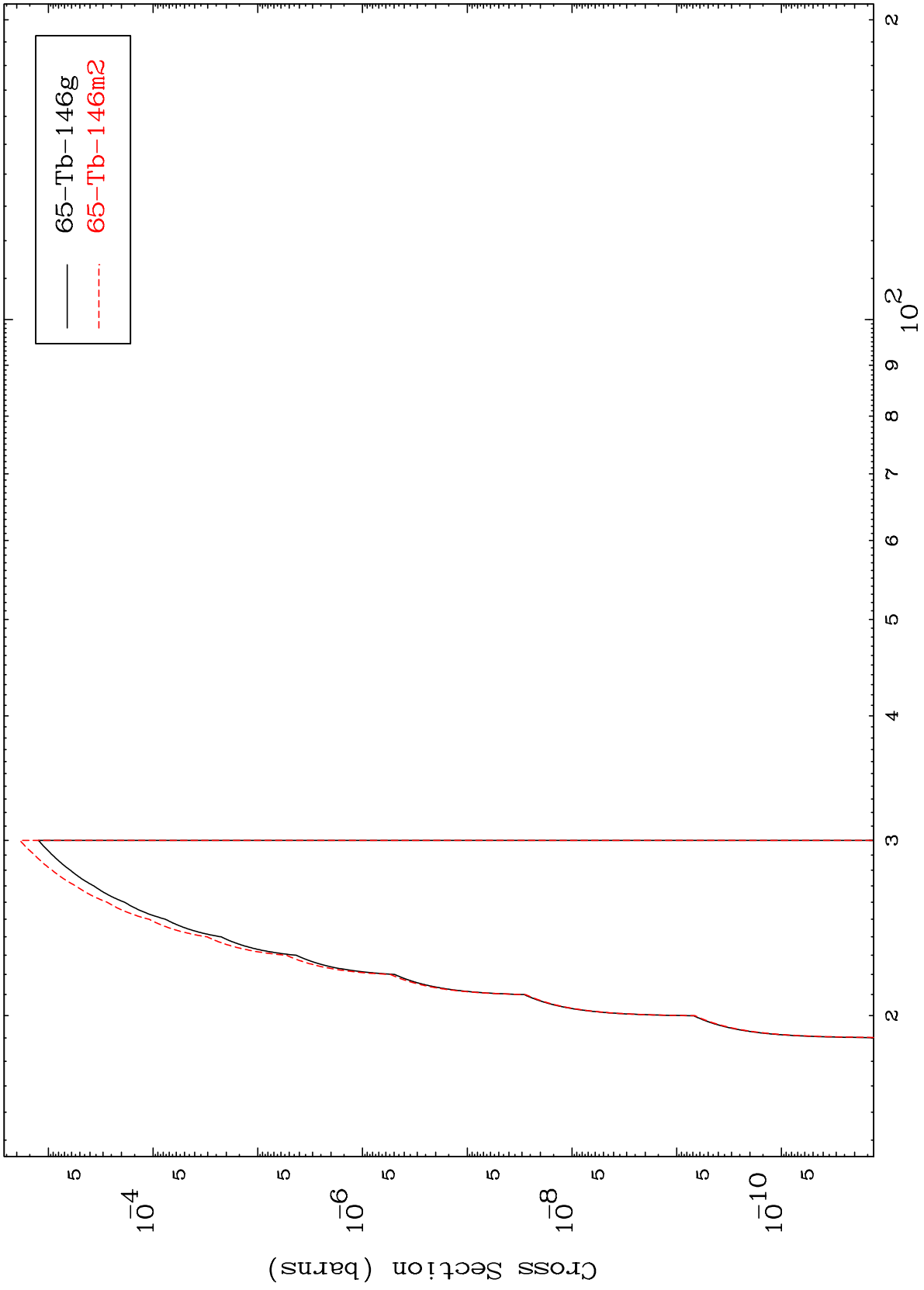
66-Dy-149

MAT 6604

(n,n') t

66-Dy-149

Radionuclide Production Cross Section



132

Incident Energy (MeV)

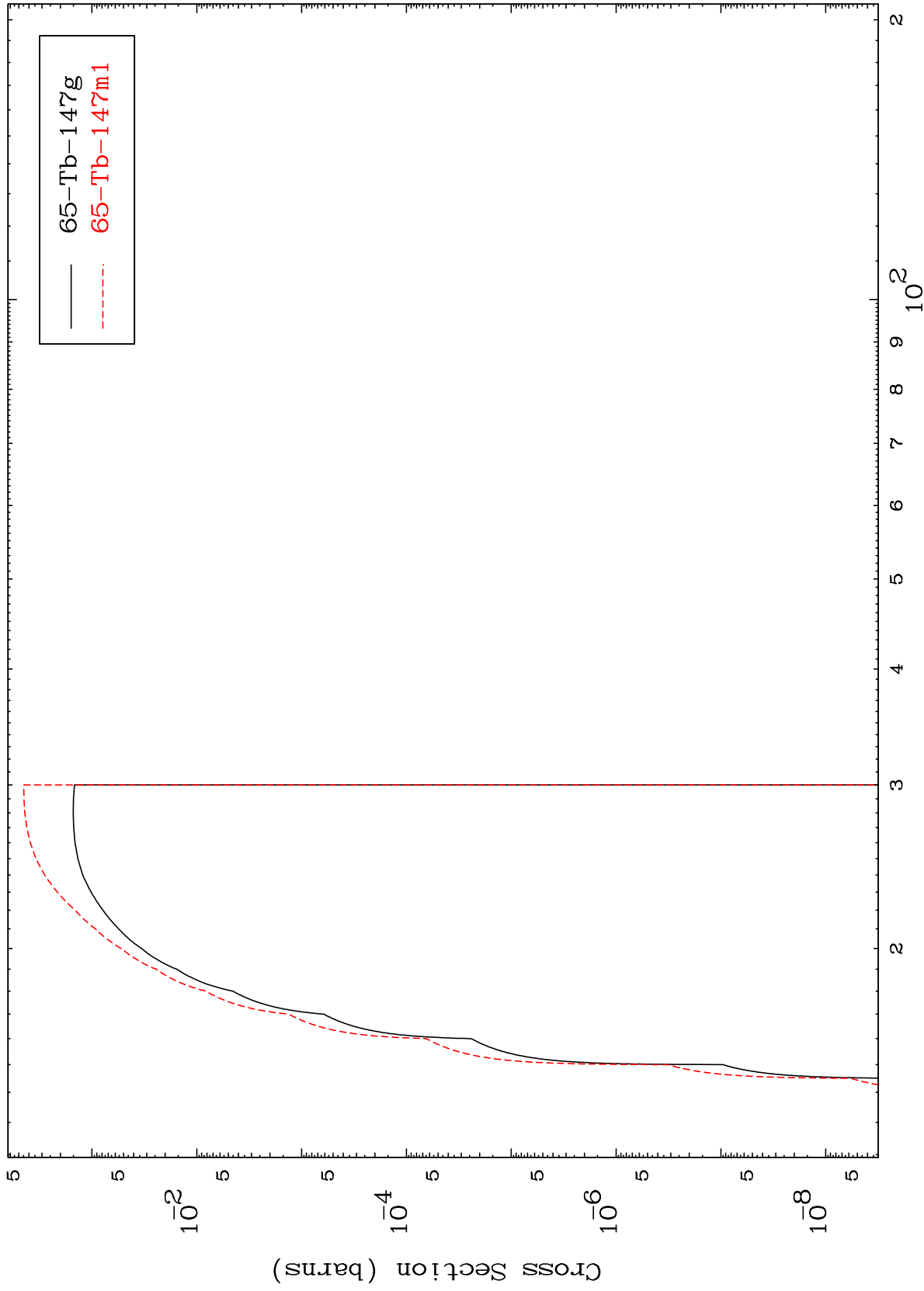
66-Dy-149

MAT 6604

(n,2n) p

66-Dy-149

Radionuclide Production Cross Section



133

Incident Energy (MeV)

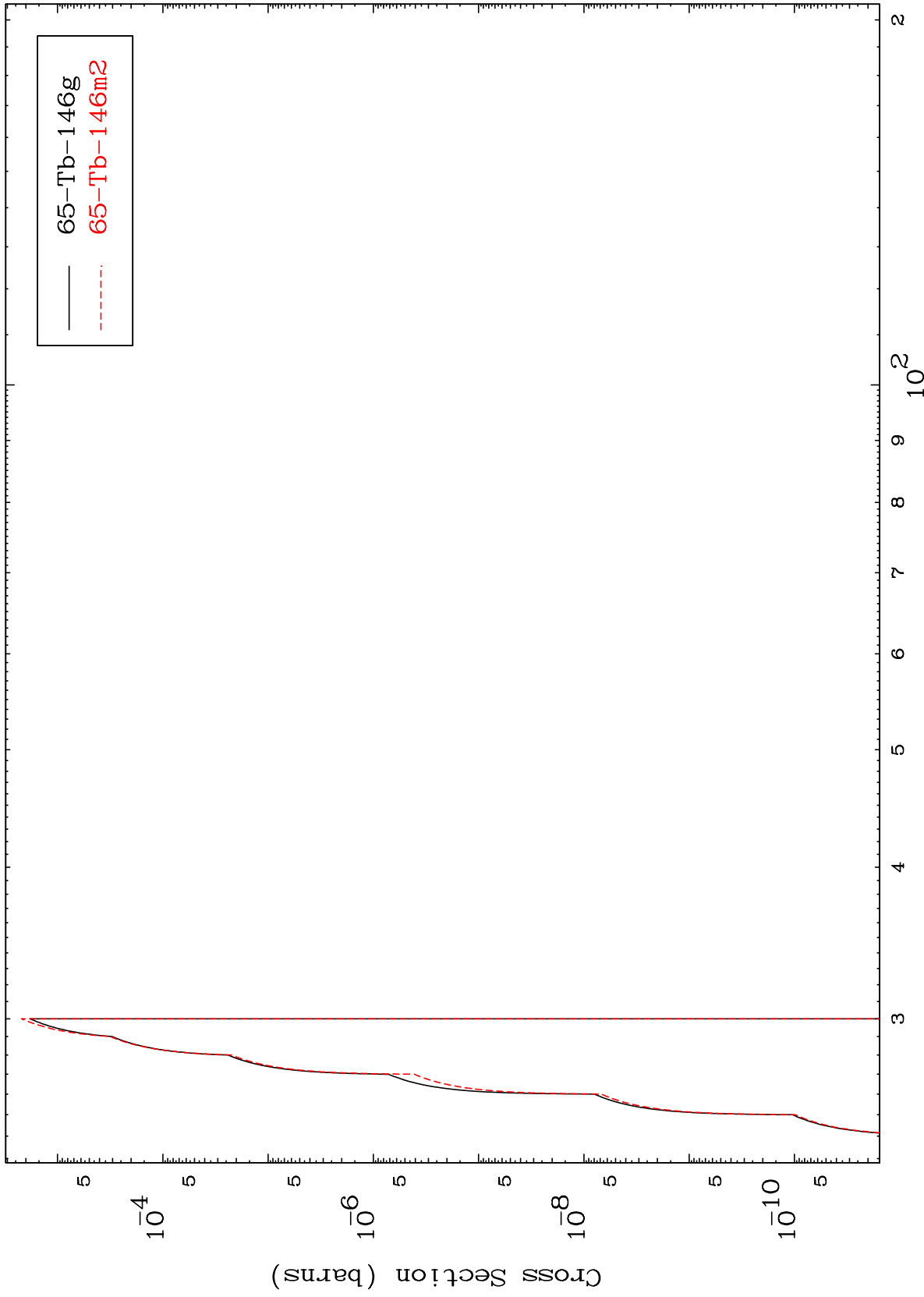
66-Dy-149

MAT 6604

(n,3n) p

66-Dy-149

Radionuclide Production Cross Section



134

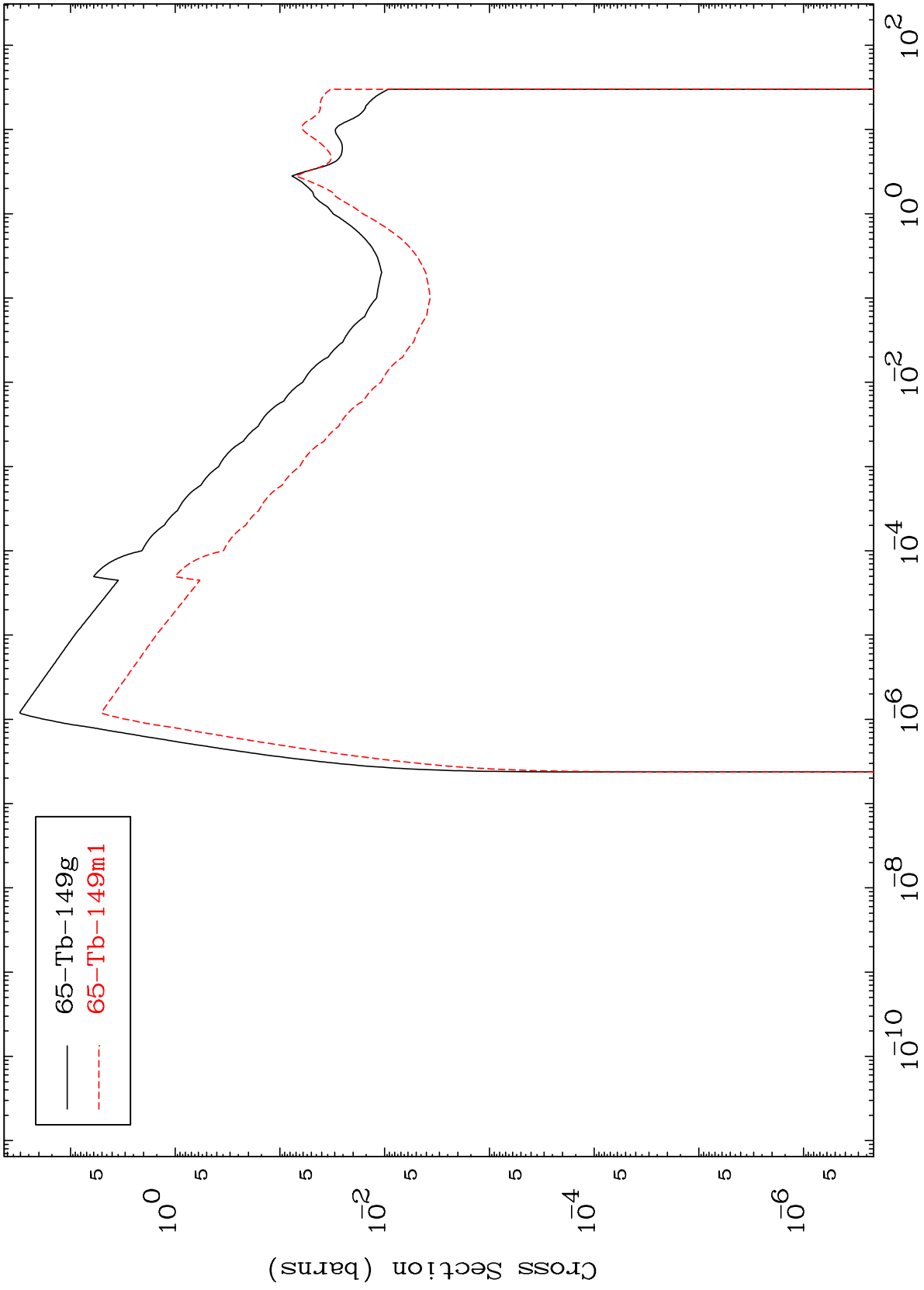
Incident Energy (MeV)

66-Dy-149

MAT 6604

(n,p)
Radionuclide Production Cross Section

66-Dy-149



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

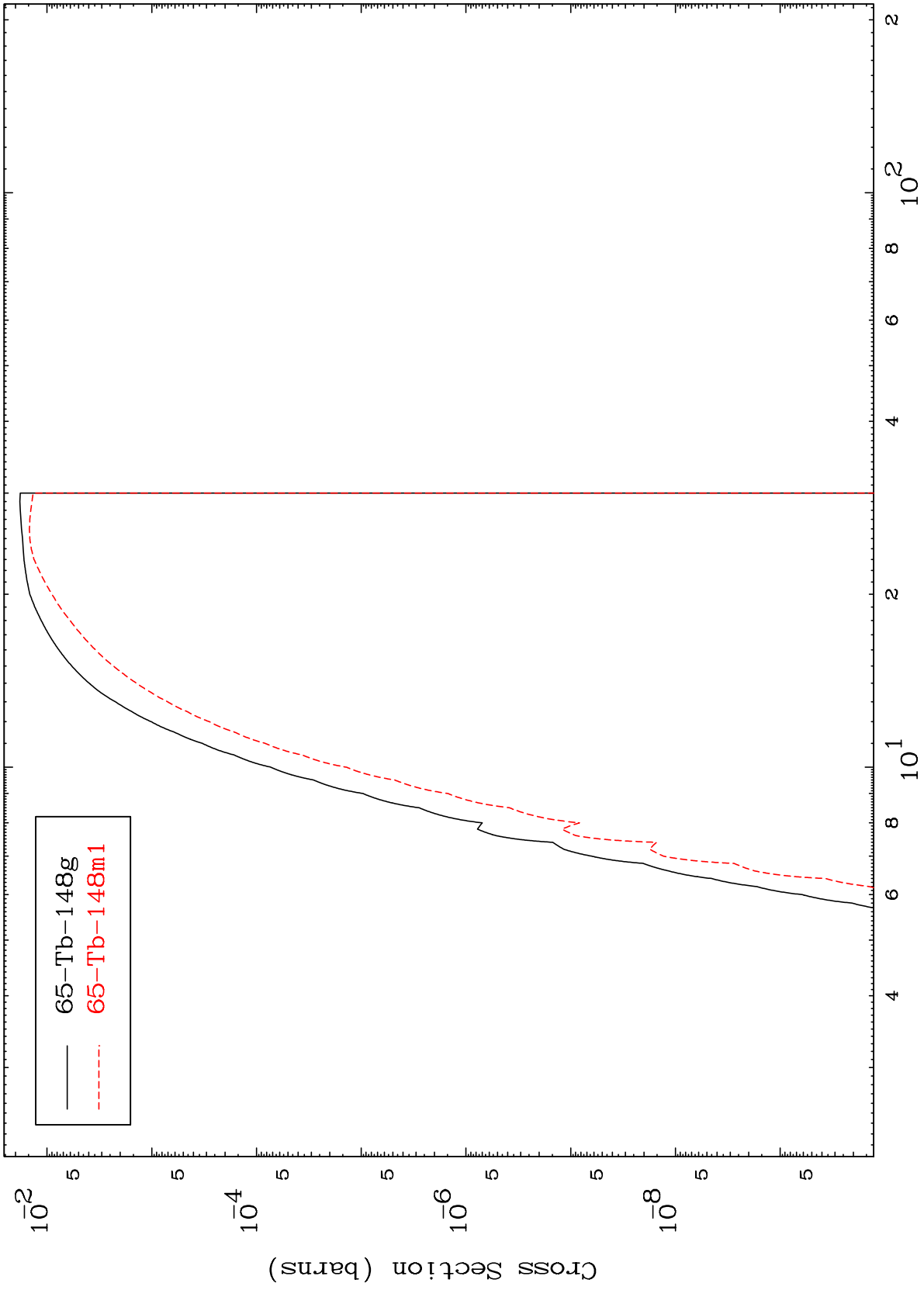
135

66-Dy-149

MAT 6604

(n,d)
Radionuclide Production Cross Section

66-Dy-149



136

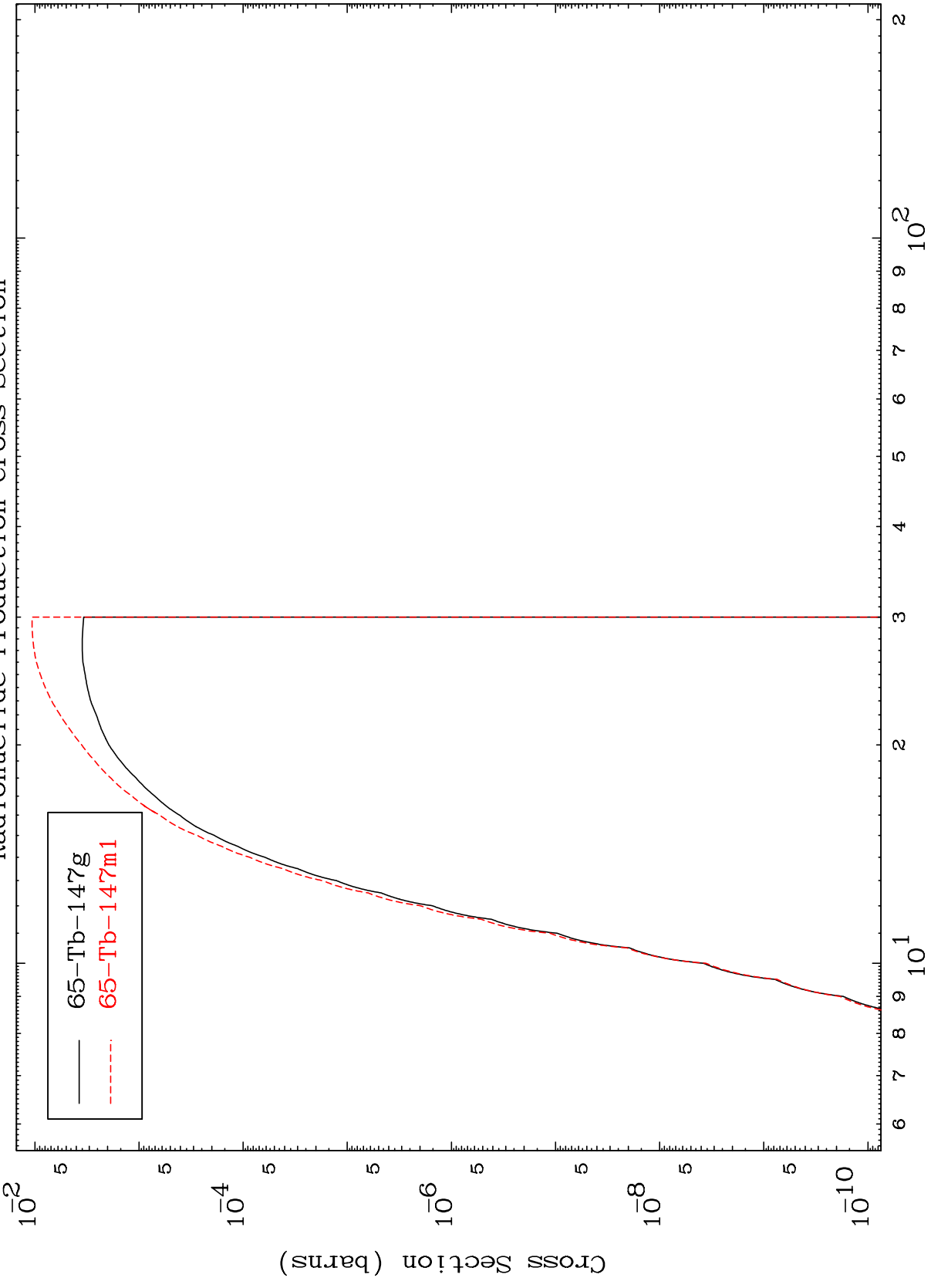
Incident Energy (MeV)

66-Dy-149

MAT 6604

66-Dy-149

Radionuclide Production Cross Section (n, t)



137

66-Dy-149