

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

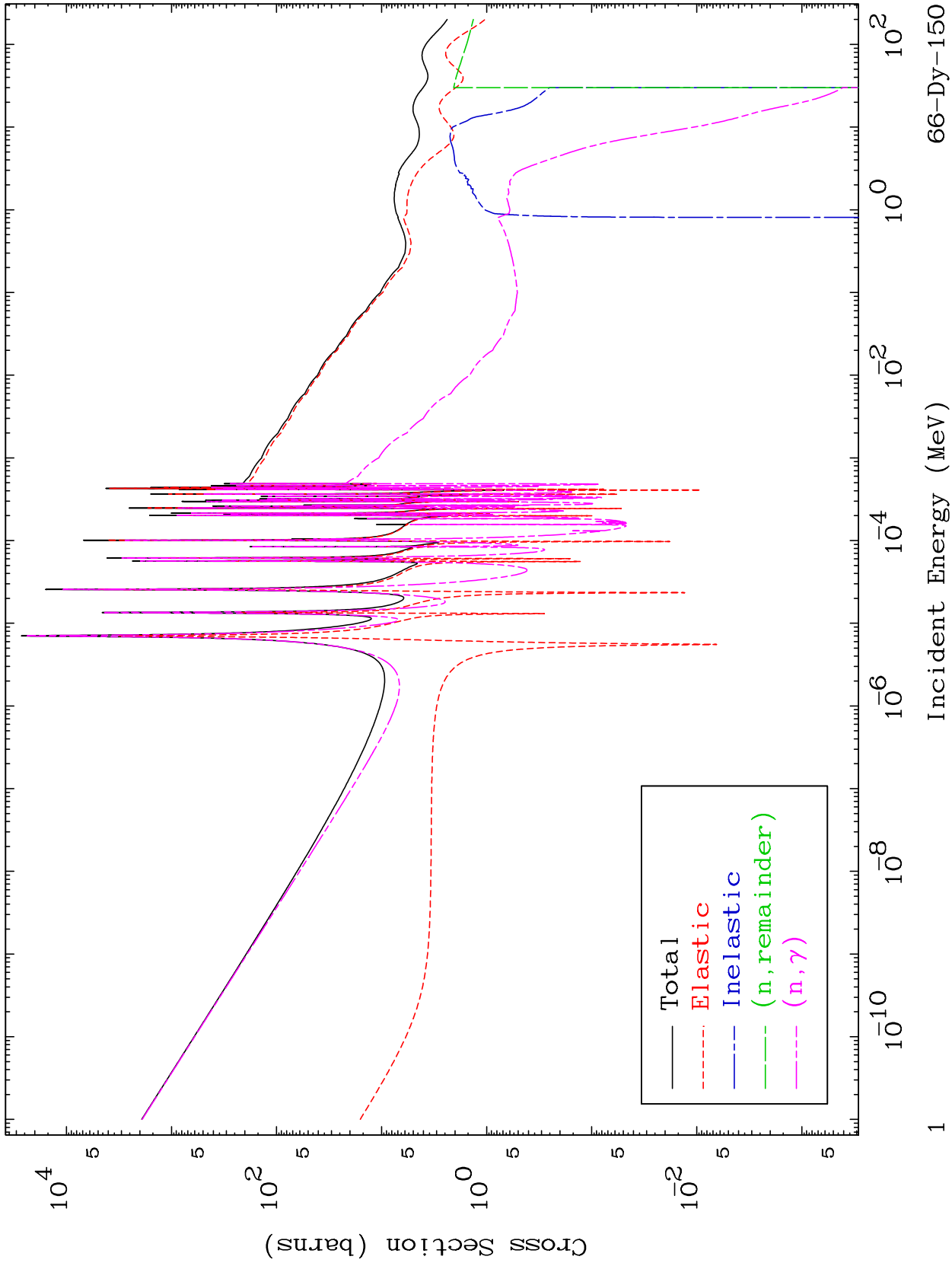
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6607

Major  
293 Kelvin Cross Sections

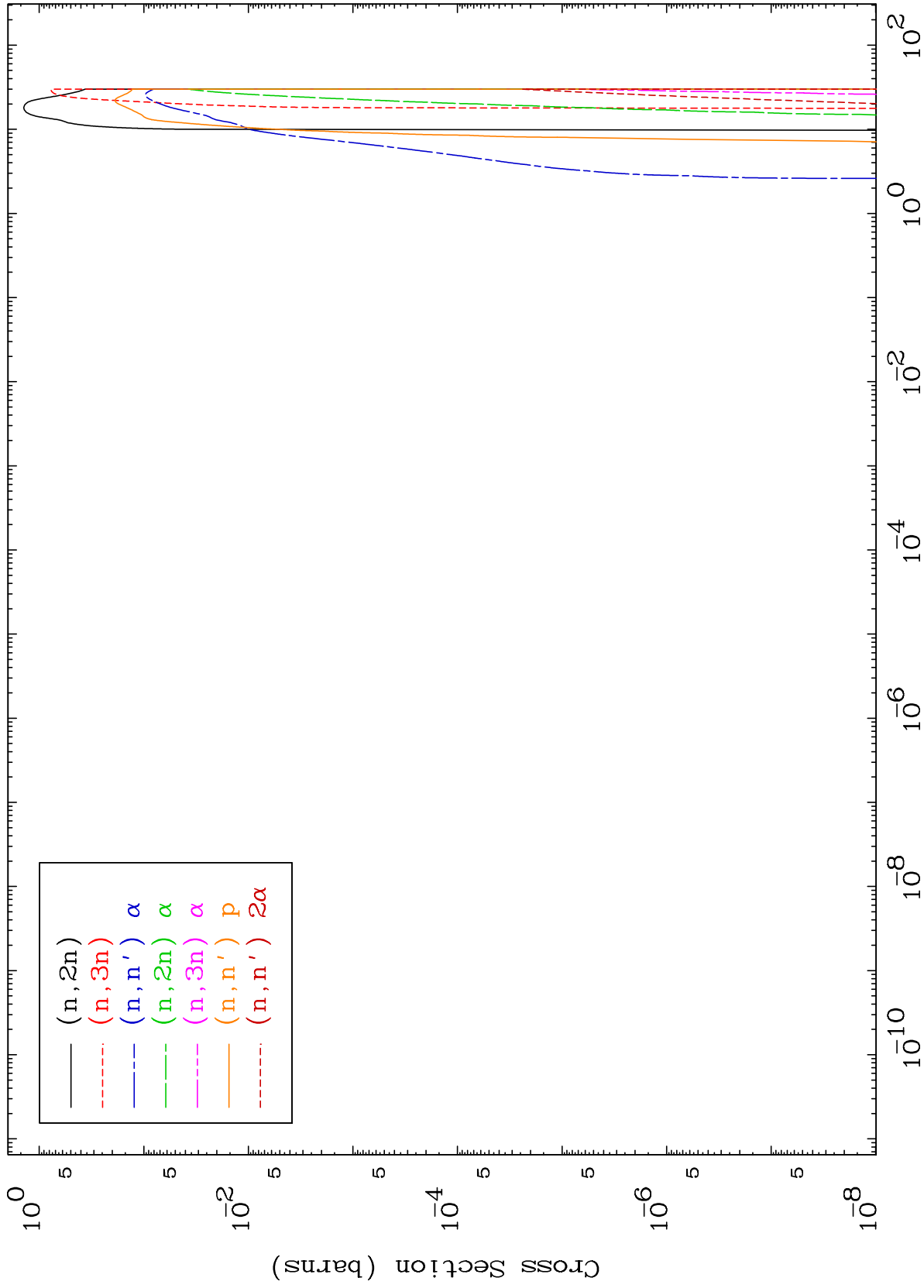
66-Dy-150



MAT 6607

Neutron Production  
293 Kelvin Cross Sections

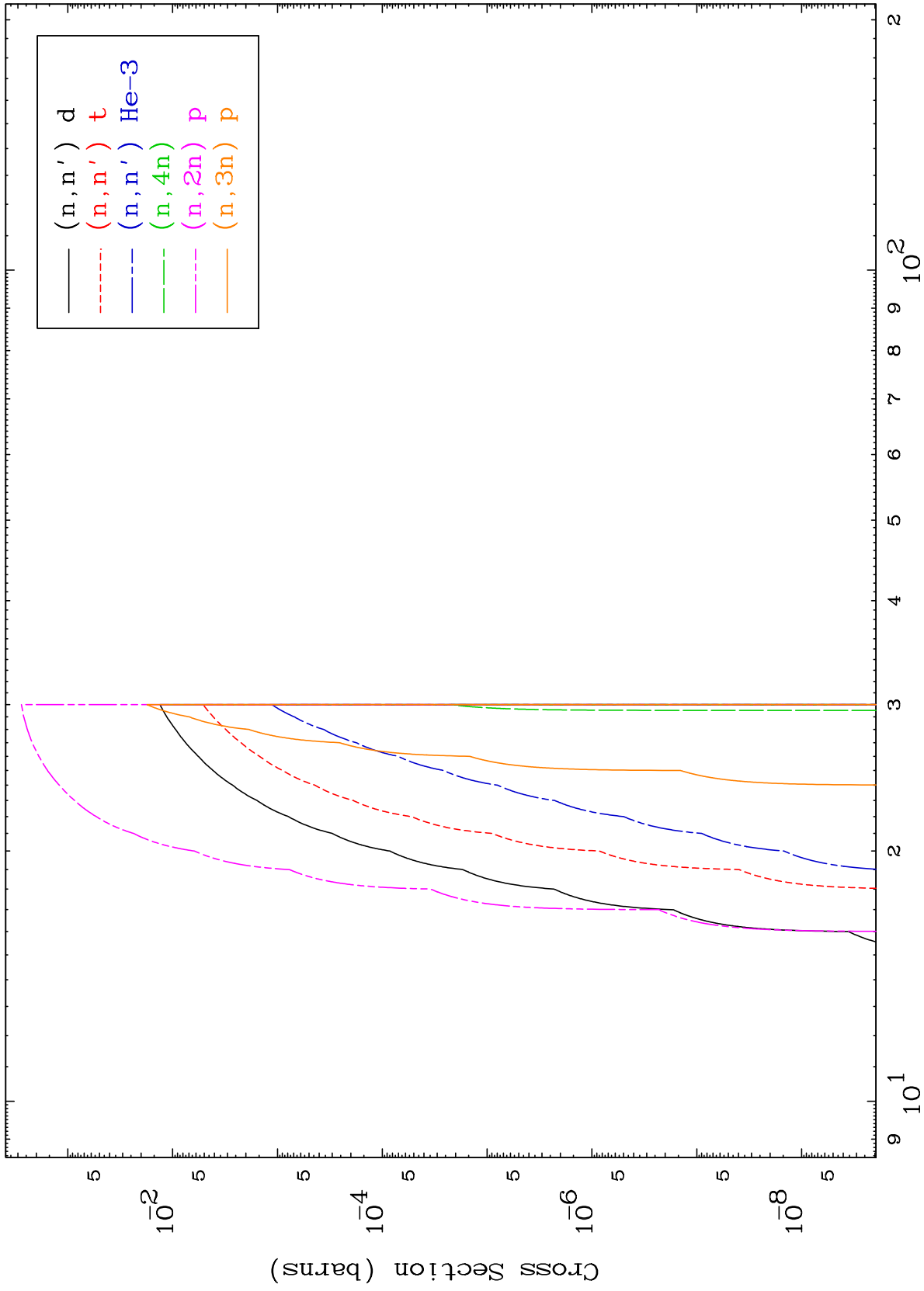
66-Dy-150



2

Incident Energy (MeV)

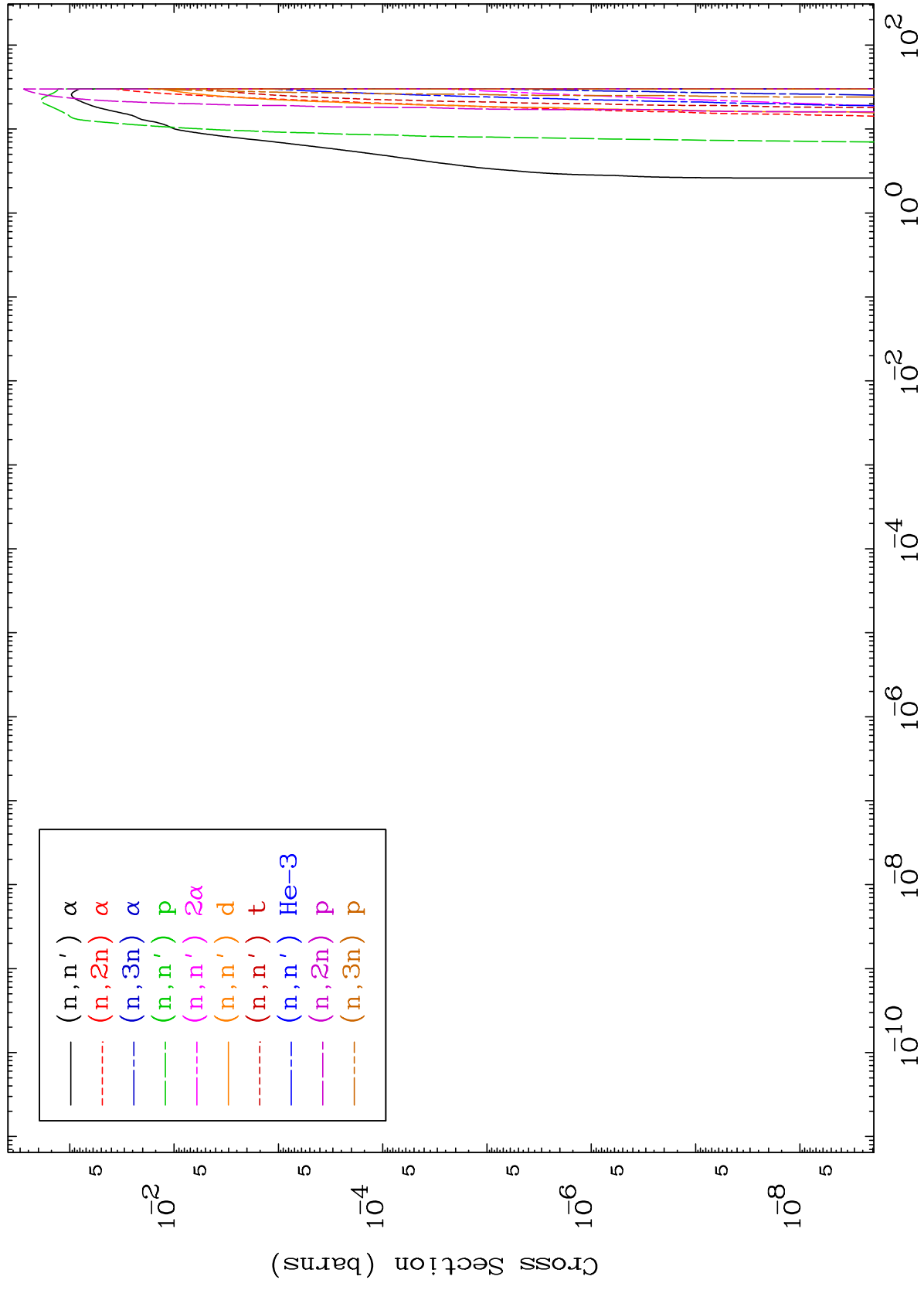
66-Dy-150



MAT 6607

Charged Particle  
293 Kelvin Cross Sections

66-Dy-150



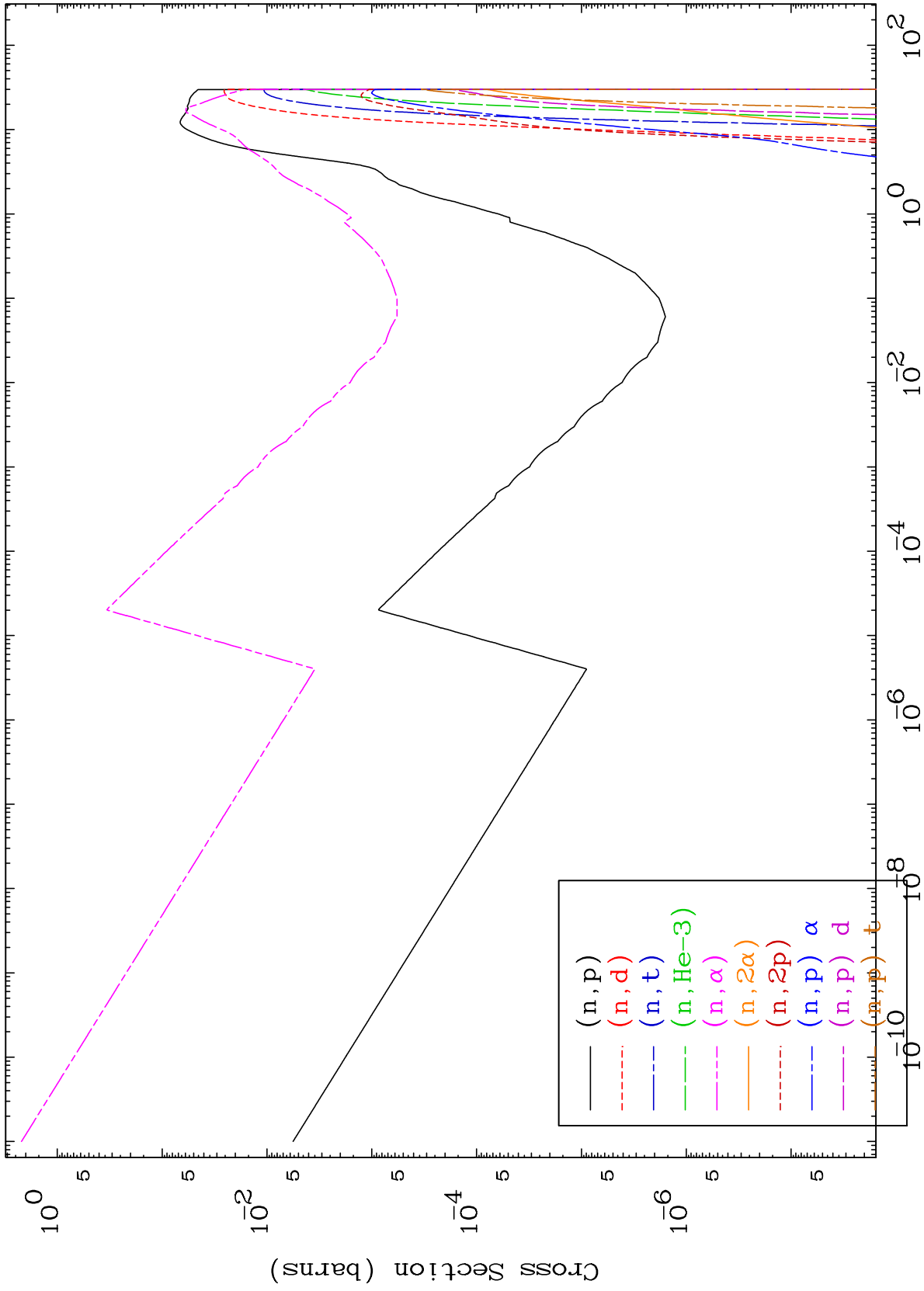
66-Dy-150

Incident Energy (MeV)

MAT 6607

293 Kelvin Cross Sections

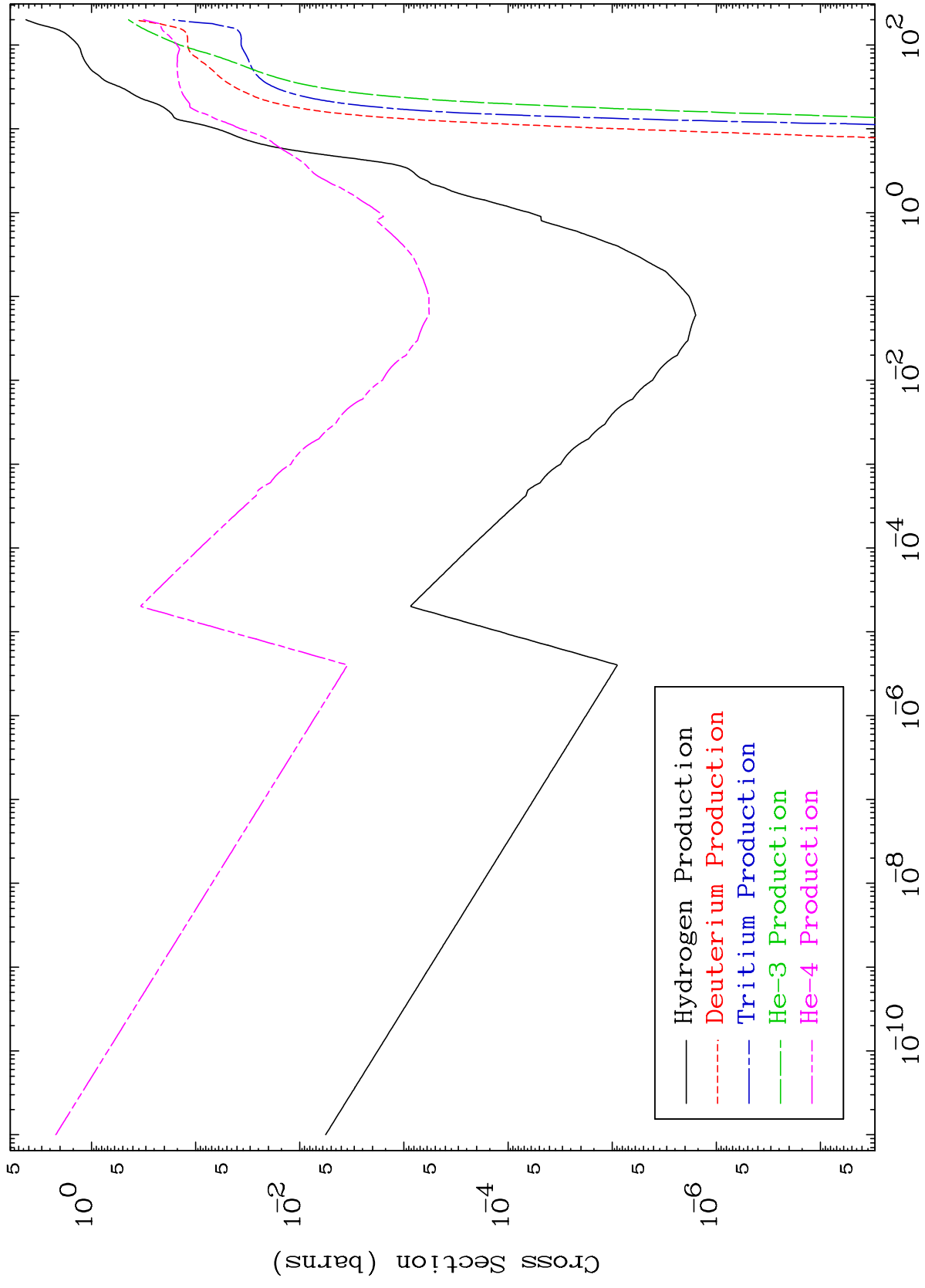
66-Dy-150



MAT 6607

Particle Production  
293 Kelvin Cross Sections

66-Dy-150

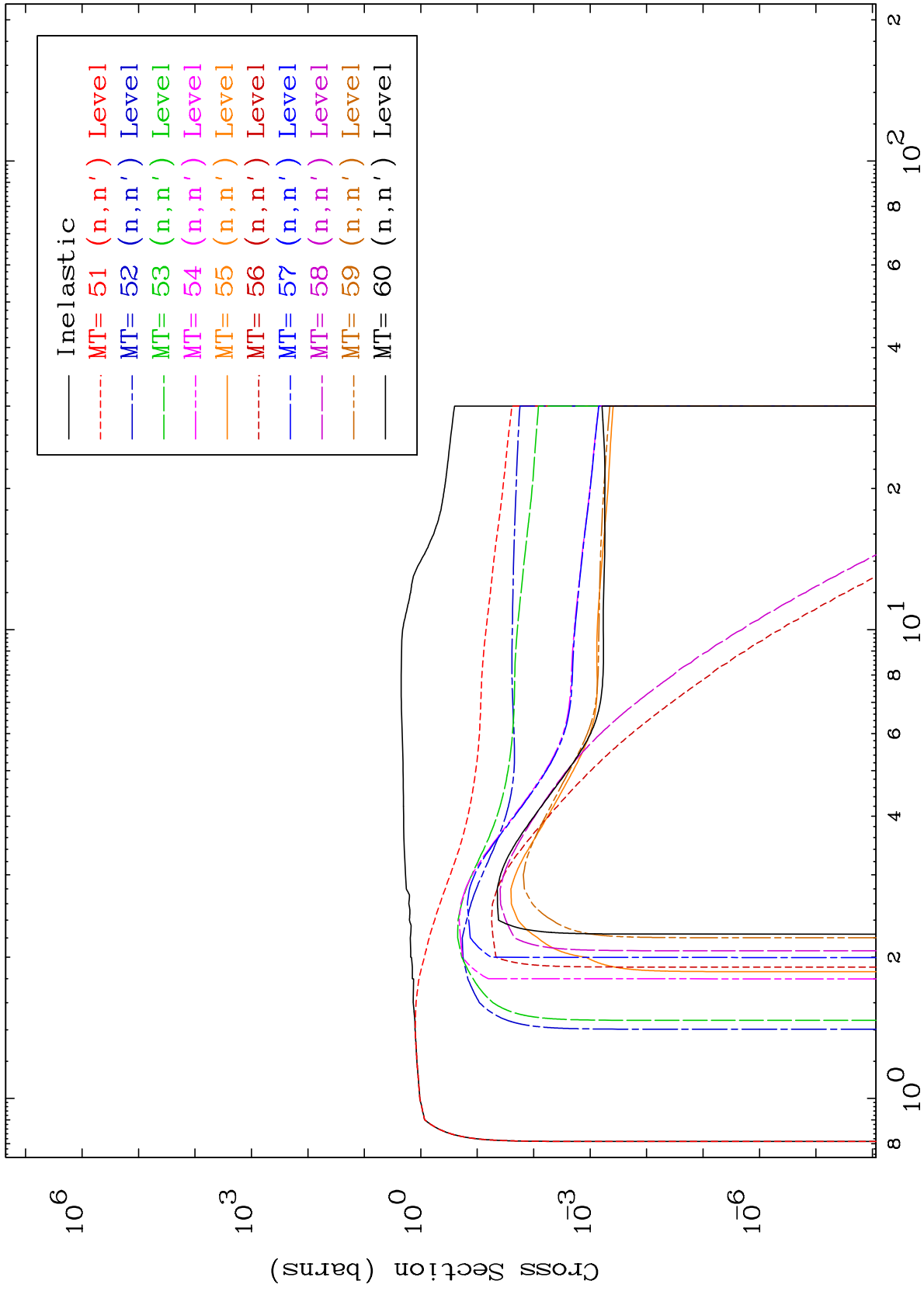


MAT 6607

(n,n') Level

66-Dy-150

293 Kelvin Cross Sections



7

Incident Energy (MeV)

66-Dy-150

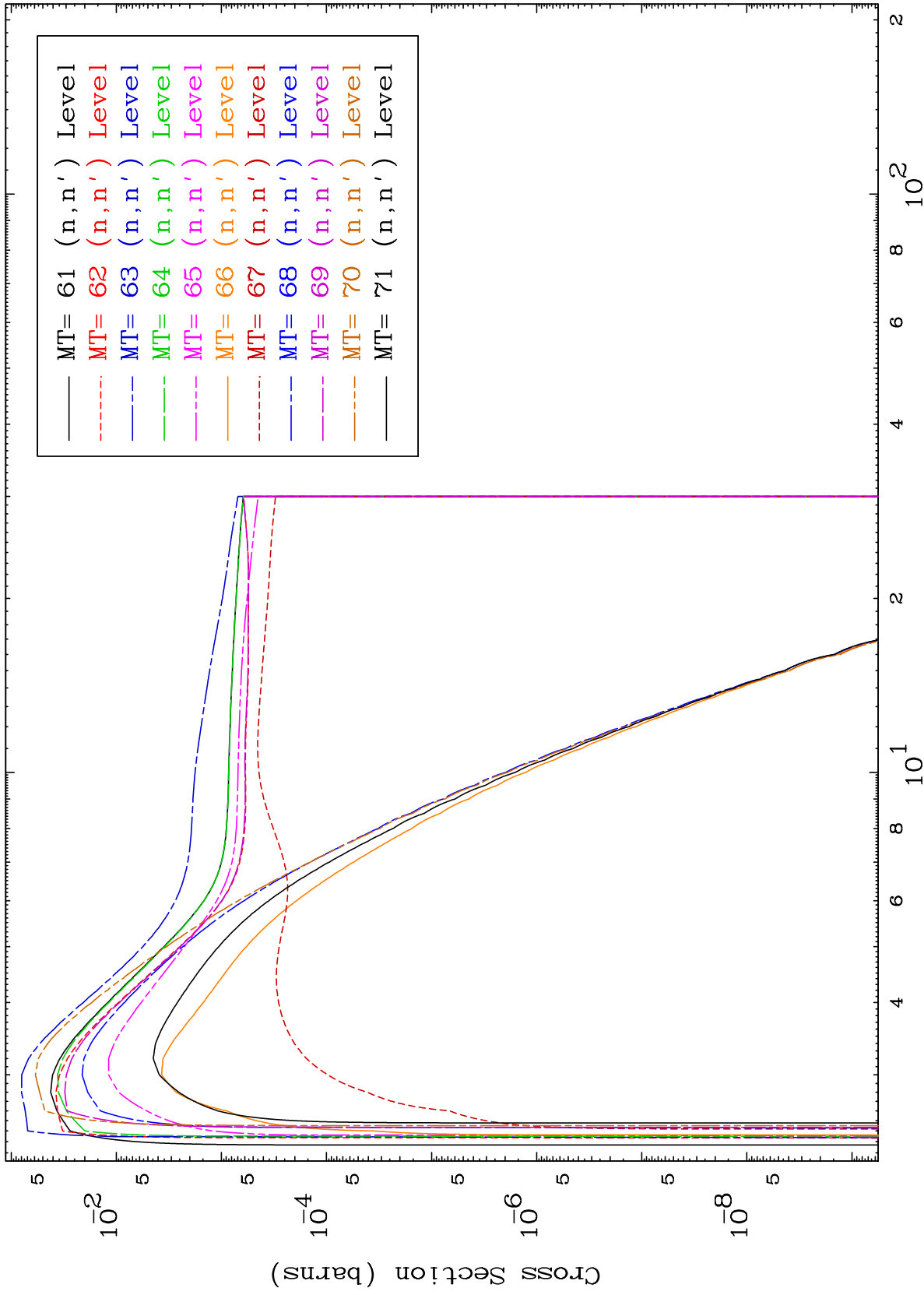


MAT 6607

(n,n') Level

66-Dy-150

293 Kelvin Cross Sections



8

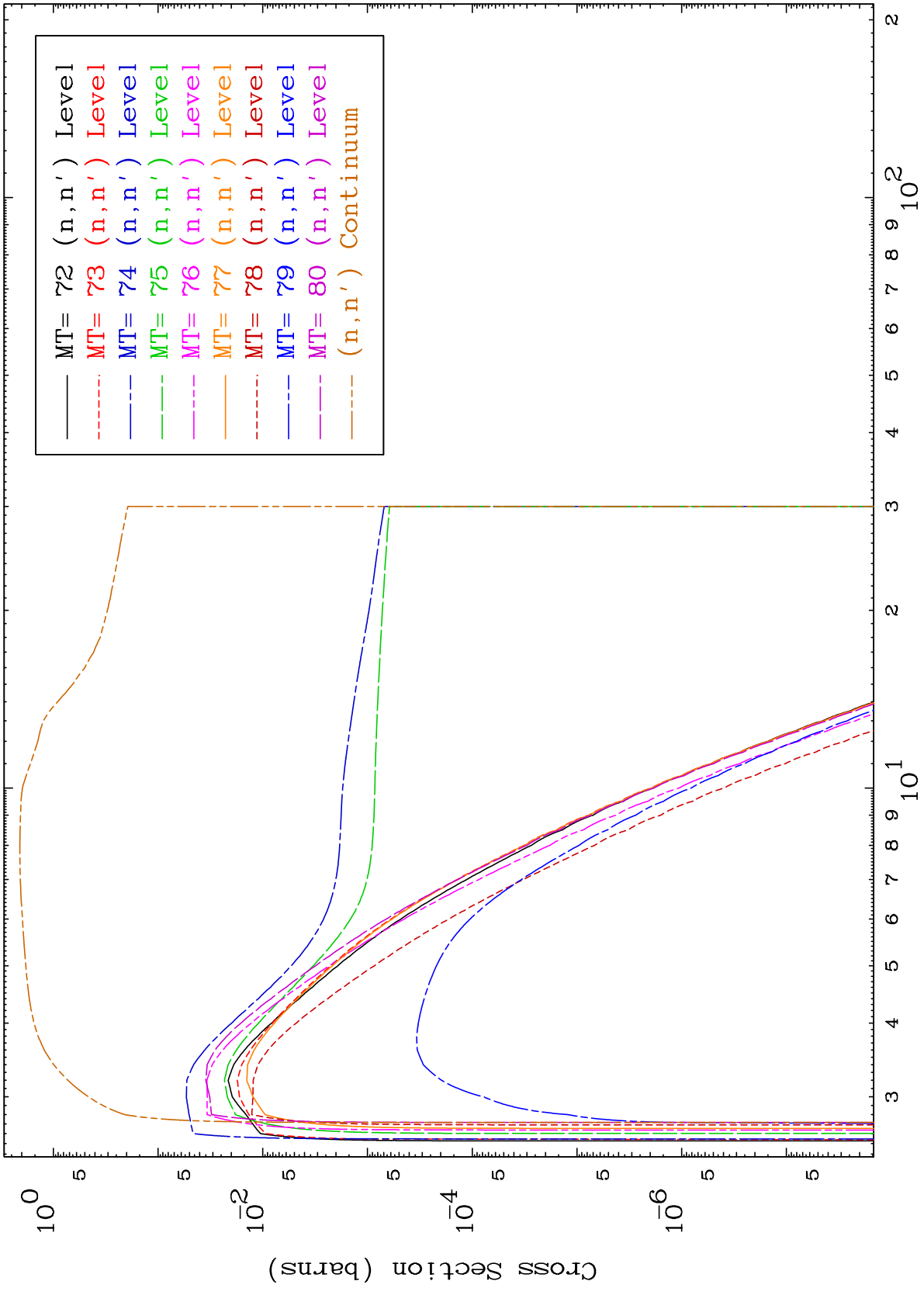
Incident Energy (MeV)

66-Dy-150

MAT 6607

(n,n') Level  
293 Kelvin Cross Sections

66-Dy-150



9

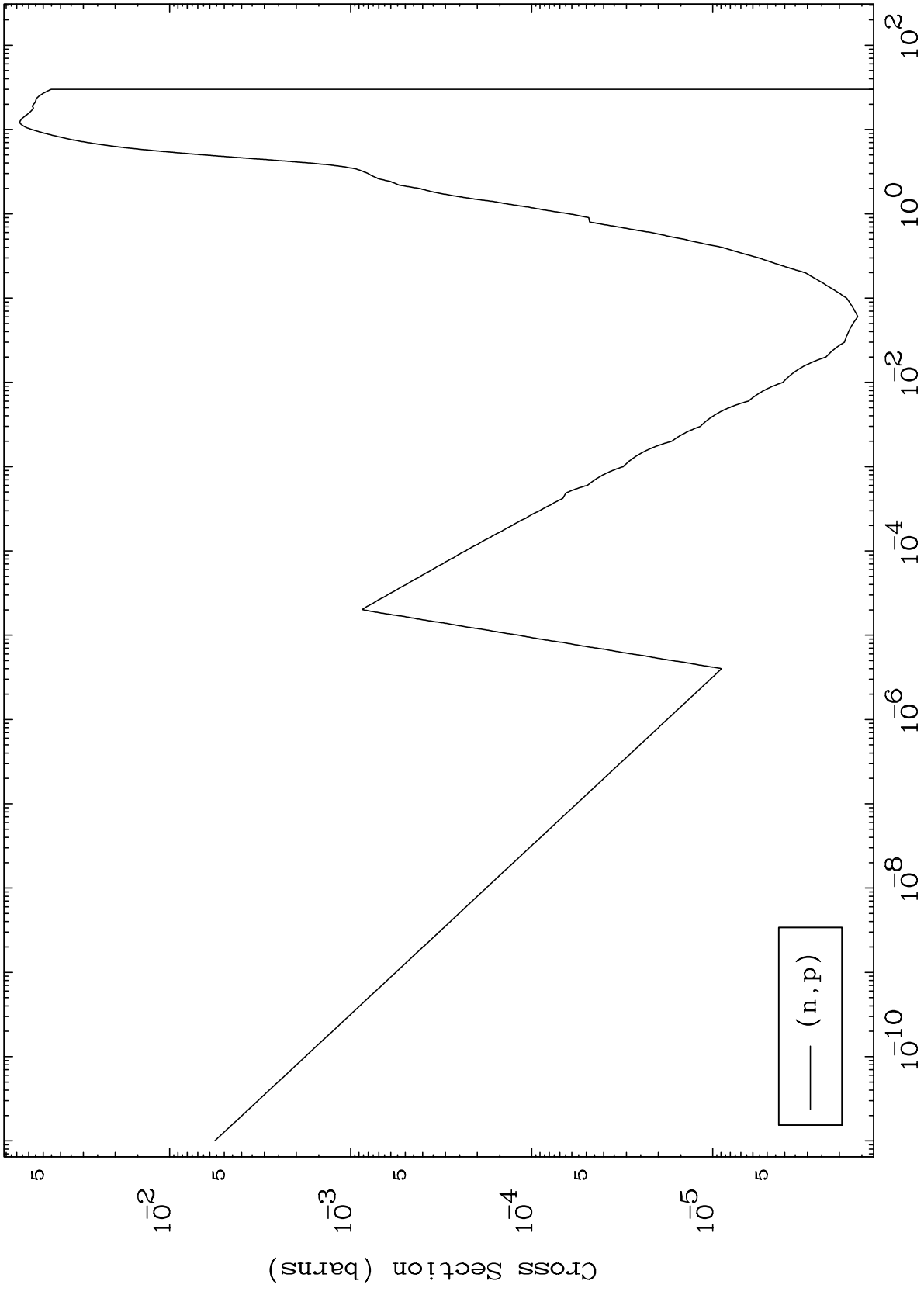
Incident Energy (MeV)

66-Dy-150

MAT 6607

(n,p) Levels  
293 Kelvin Cross Sections

66-Dy-150



10

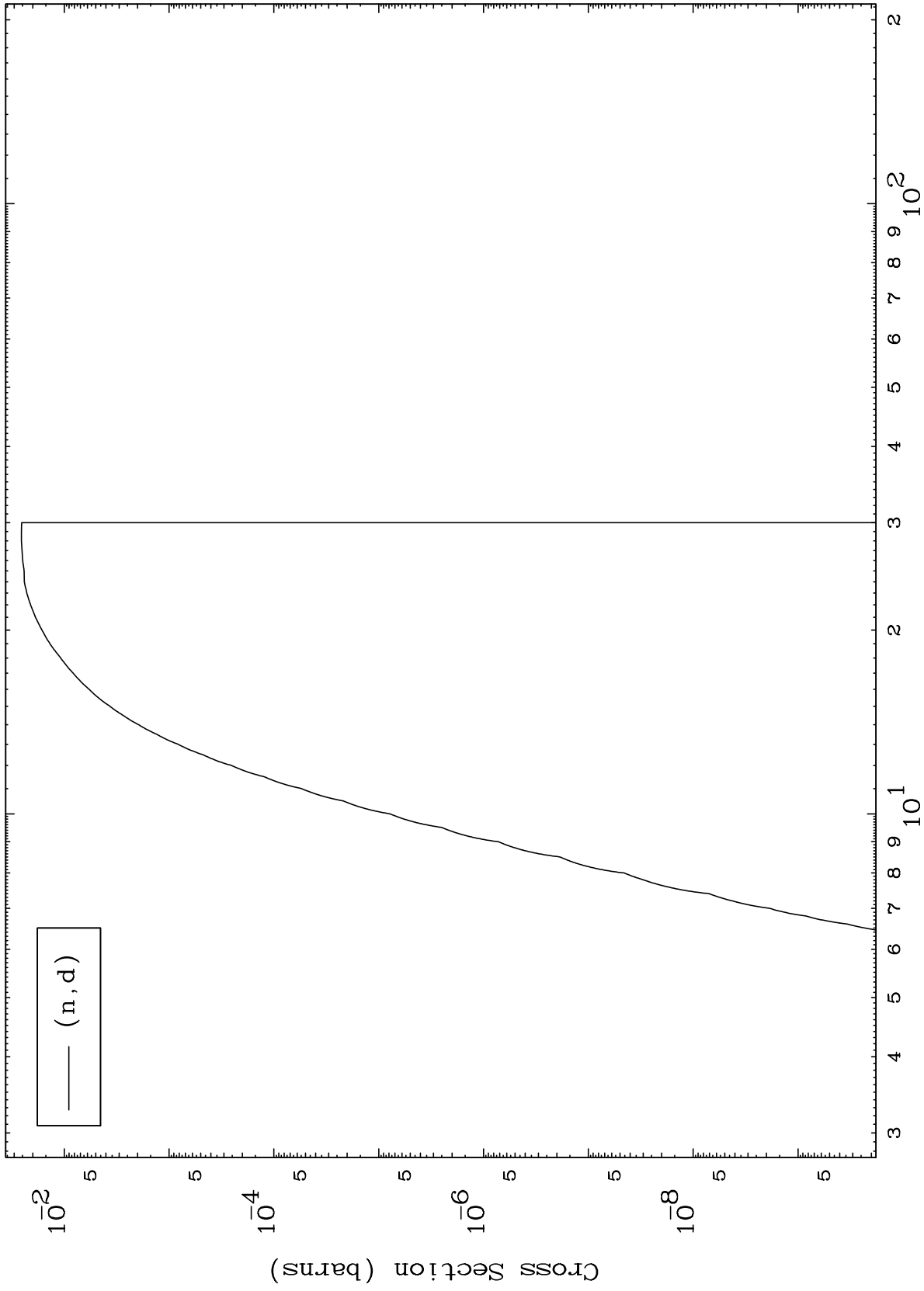
Incident Energy (MeV)

66-Dy-150

MAT 6607

(n,d) Levels  
293 Kelvin Cross Sections

66-Dy-150

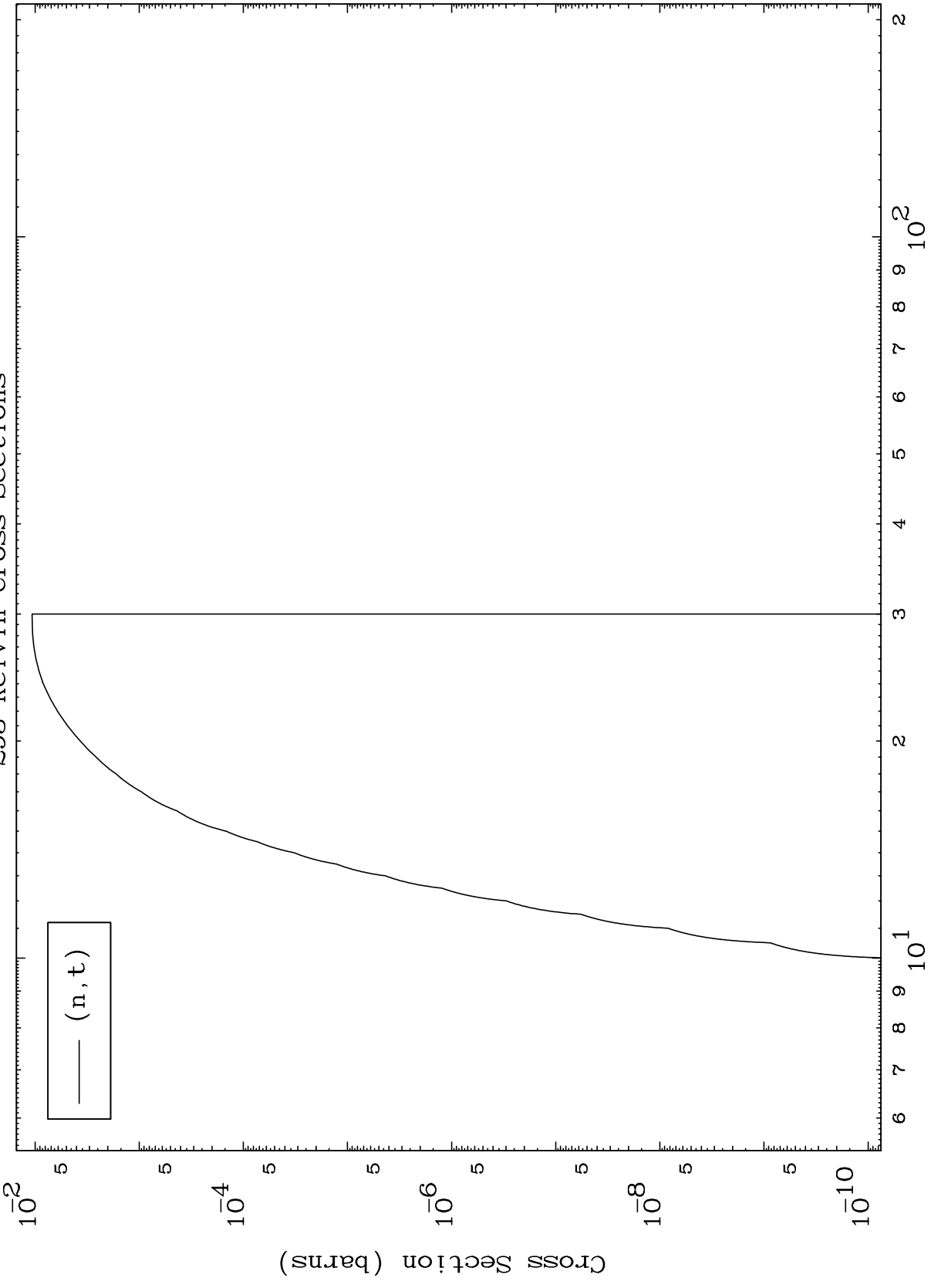


(n, d)

MAT 6607

(n,t) Levels  
293 Kelvin Cross Sections

66-Dy-150



12

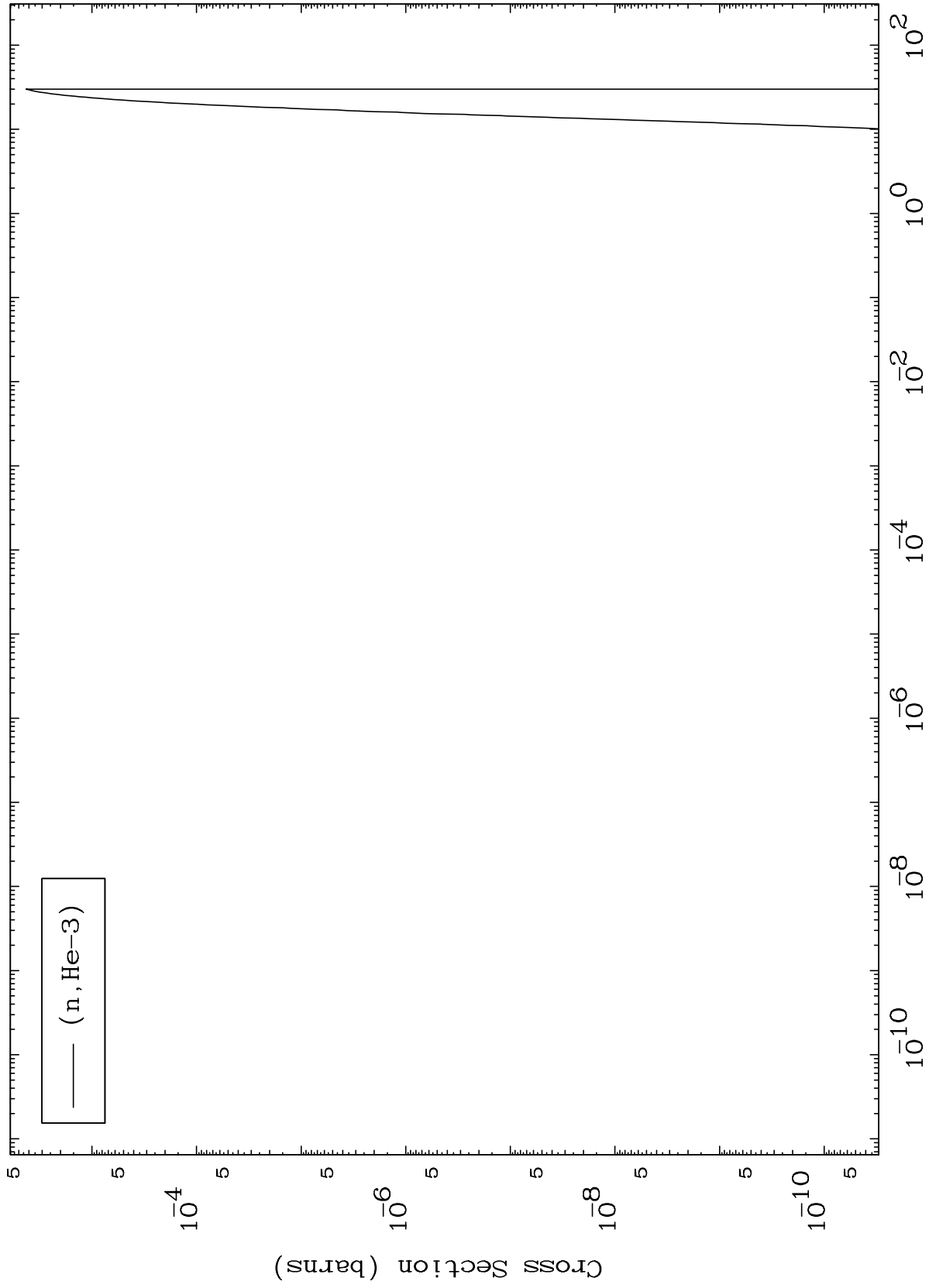
Incident Energy (MeV)

66-Dy-150

MAT 6607

(n,He3) Levels  
293 Kelvin Cross Sections

66-Dy-150



13

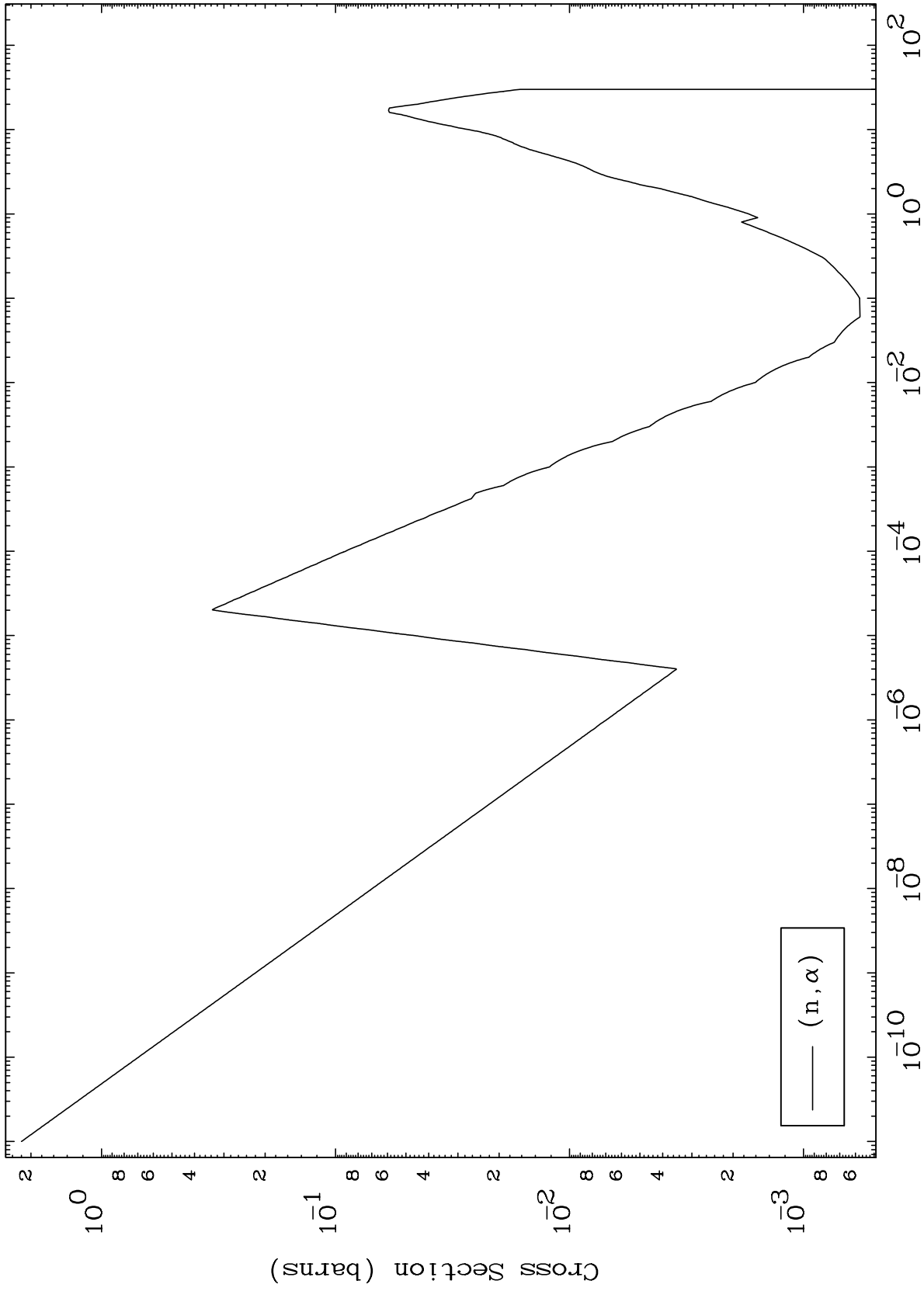
Incident Energy (MeV)

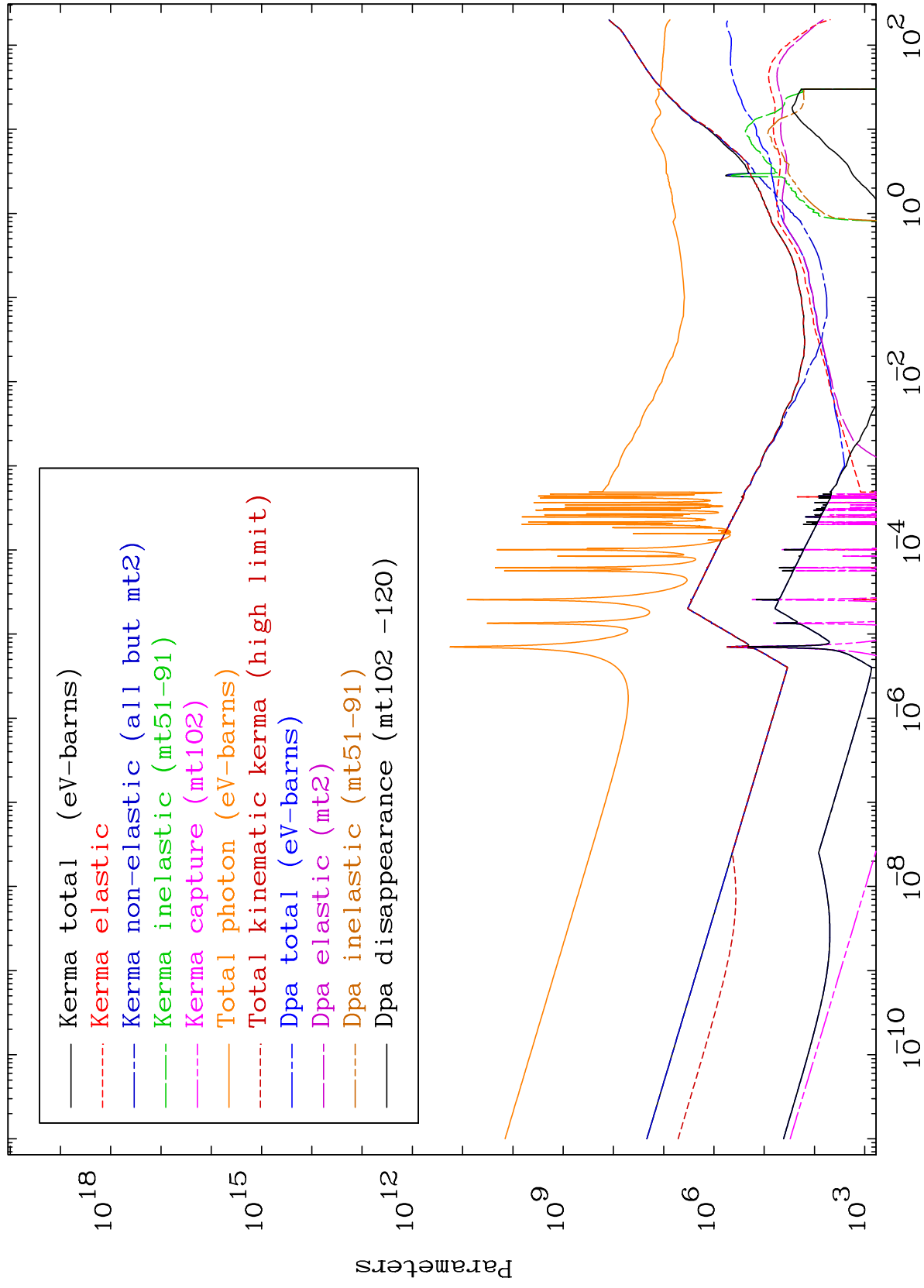
66-Dy-150

MAT 6607

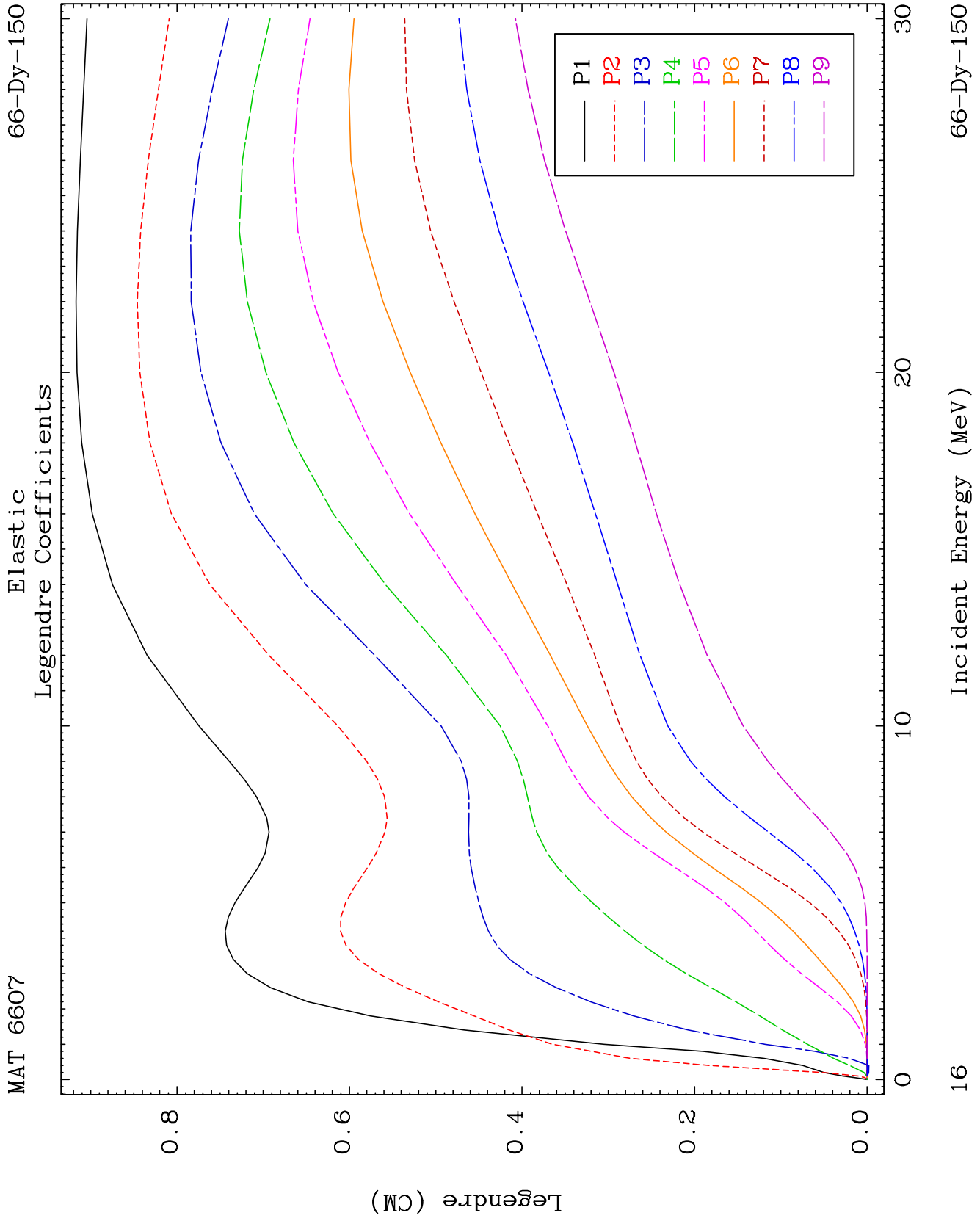
(n,α) Levels  
293 Kelvin Cross Sections

66-Dy-150





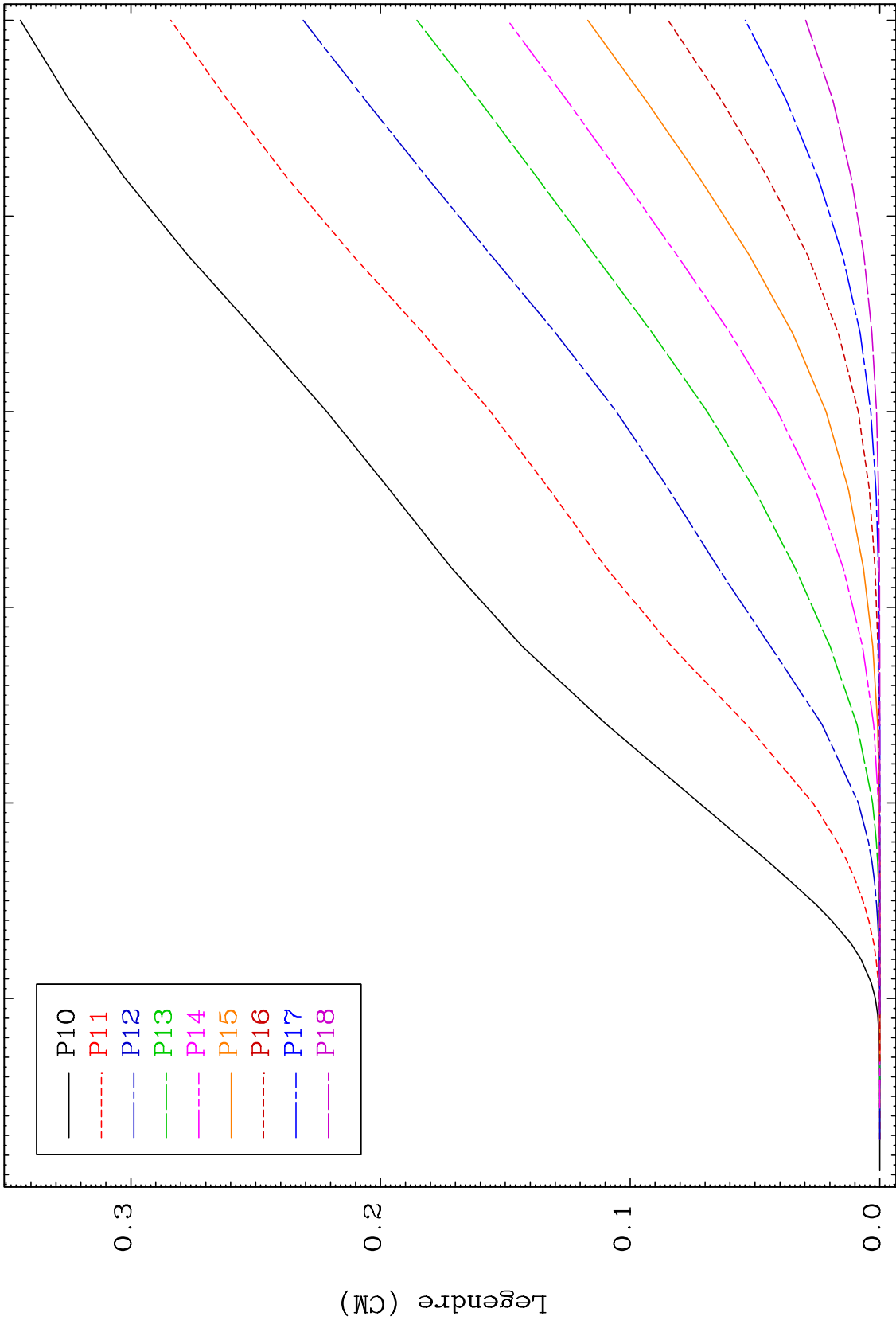




MAT 6607

Elastic Legendre Coefficients

66-Dy-150



17

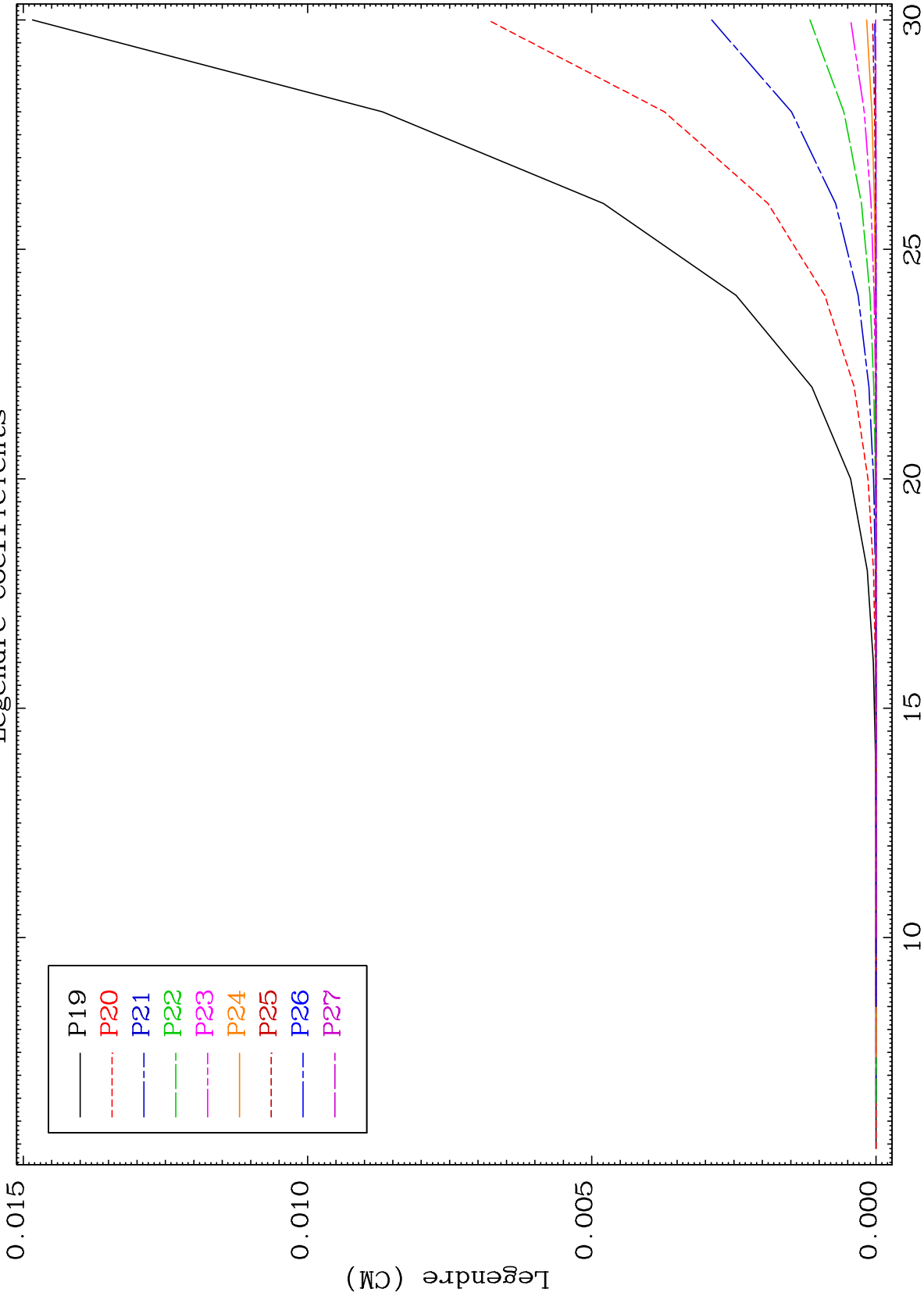
Incident Energy (MeV)

66-Dy-150

MAT 6607

Elastic Legendre Coefficients

66-Dy-150



18

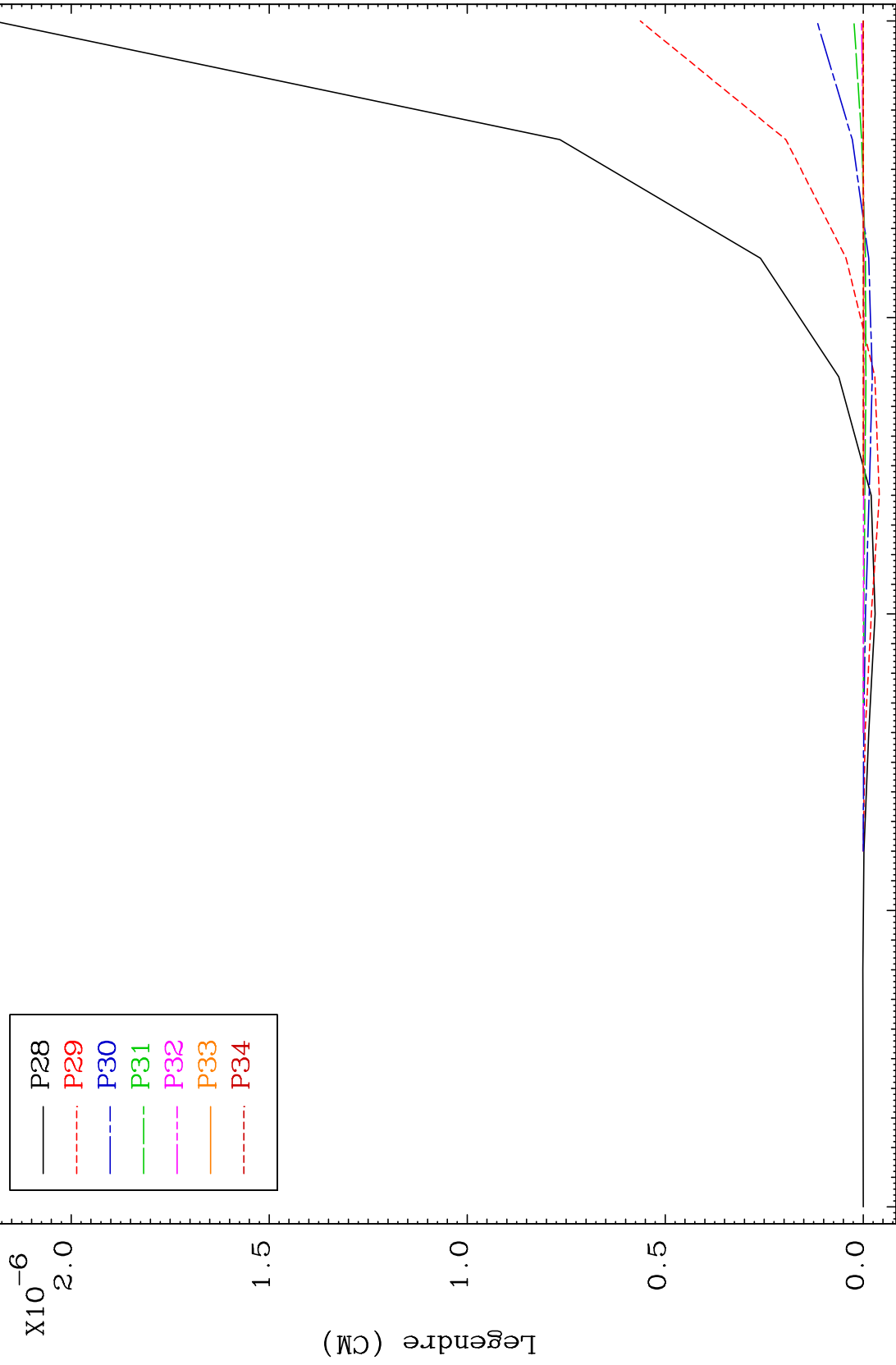
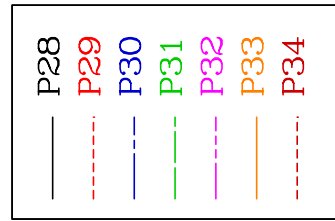
Incident Energy (MeV)

66-Dy-150

MAT 6607

Elastic Legendre Coefficients

66-Dy-150



19

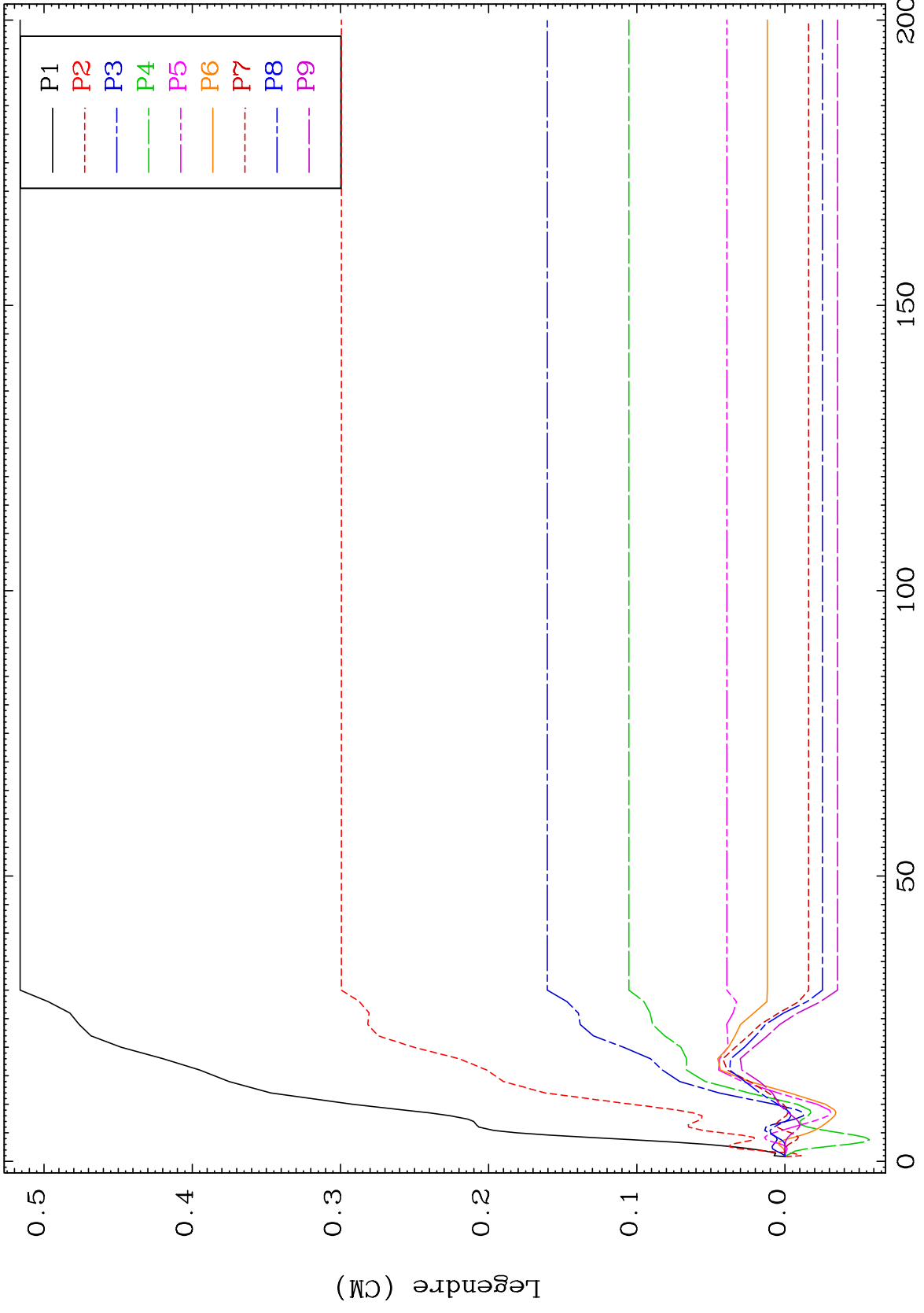
Incident Energy (MeV)

66-Dy-150

MAT 6607

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

66-Dy-150



66-Dy-150

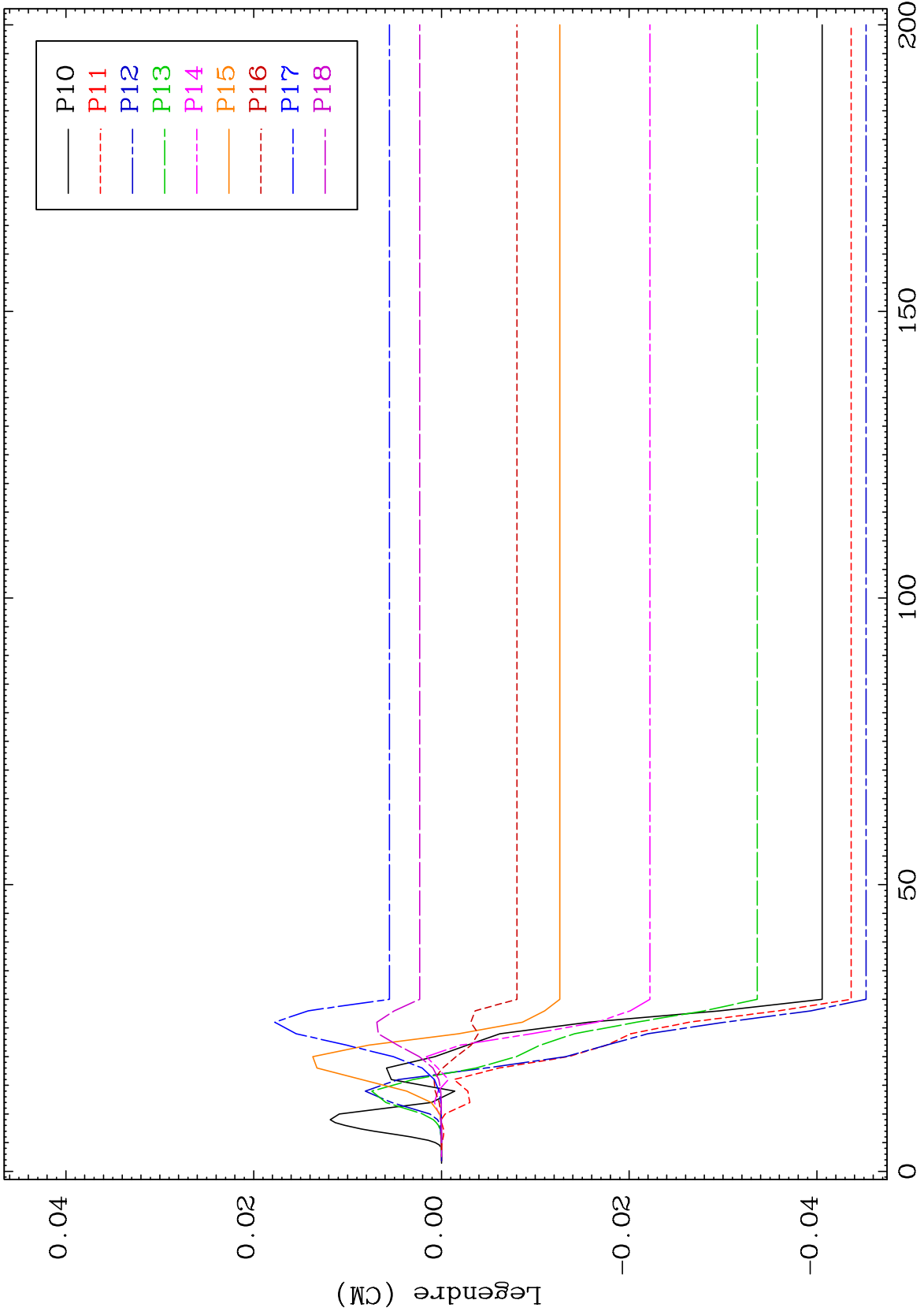
Incident Energy (MeV)

Legendre (CM)

MAT 6607

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

66-Dy-150



21

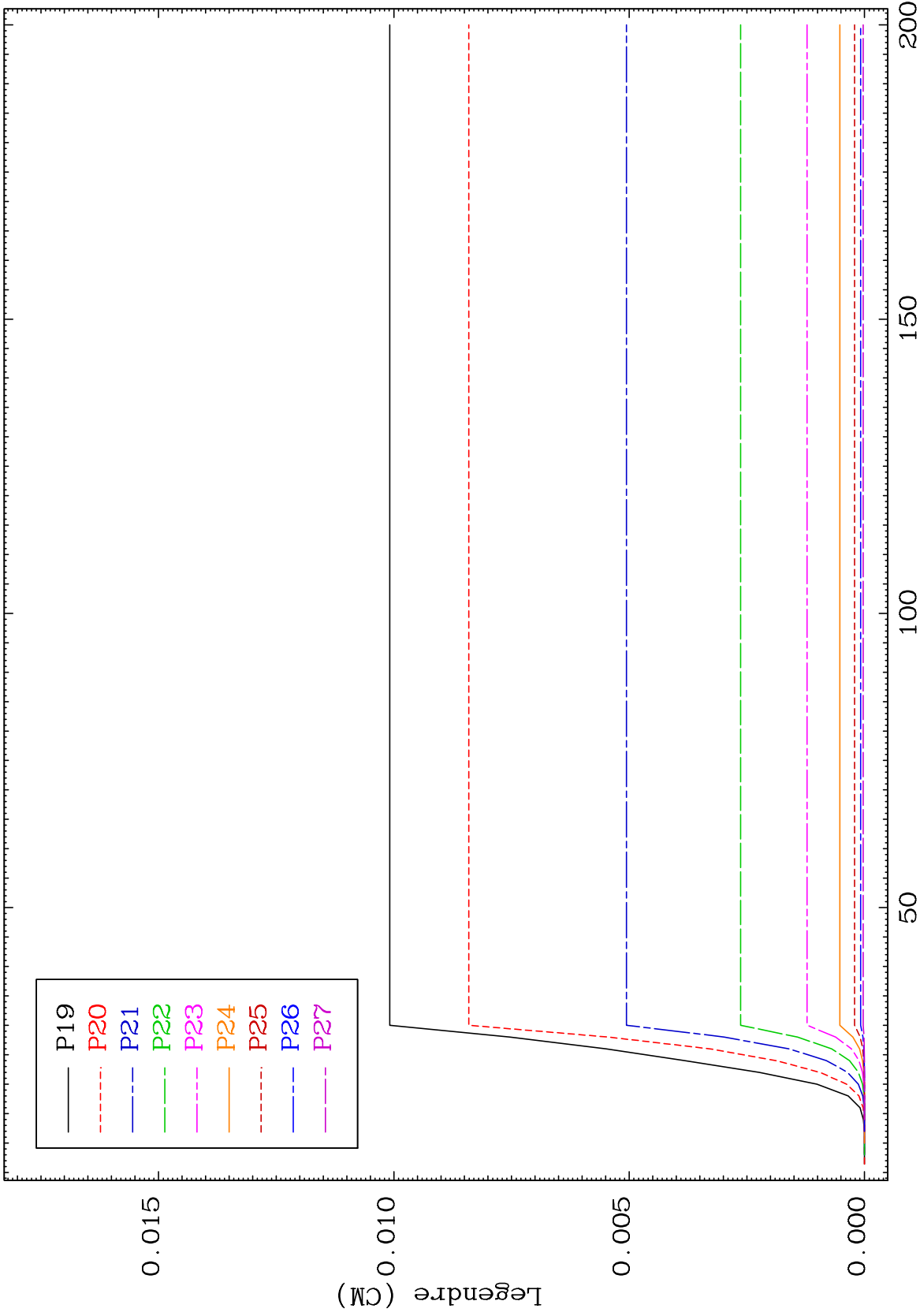
Incident Energy (MeV)

66-Dy-150

MAT 6607

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

66-Dy-150



22

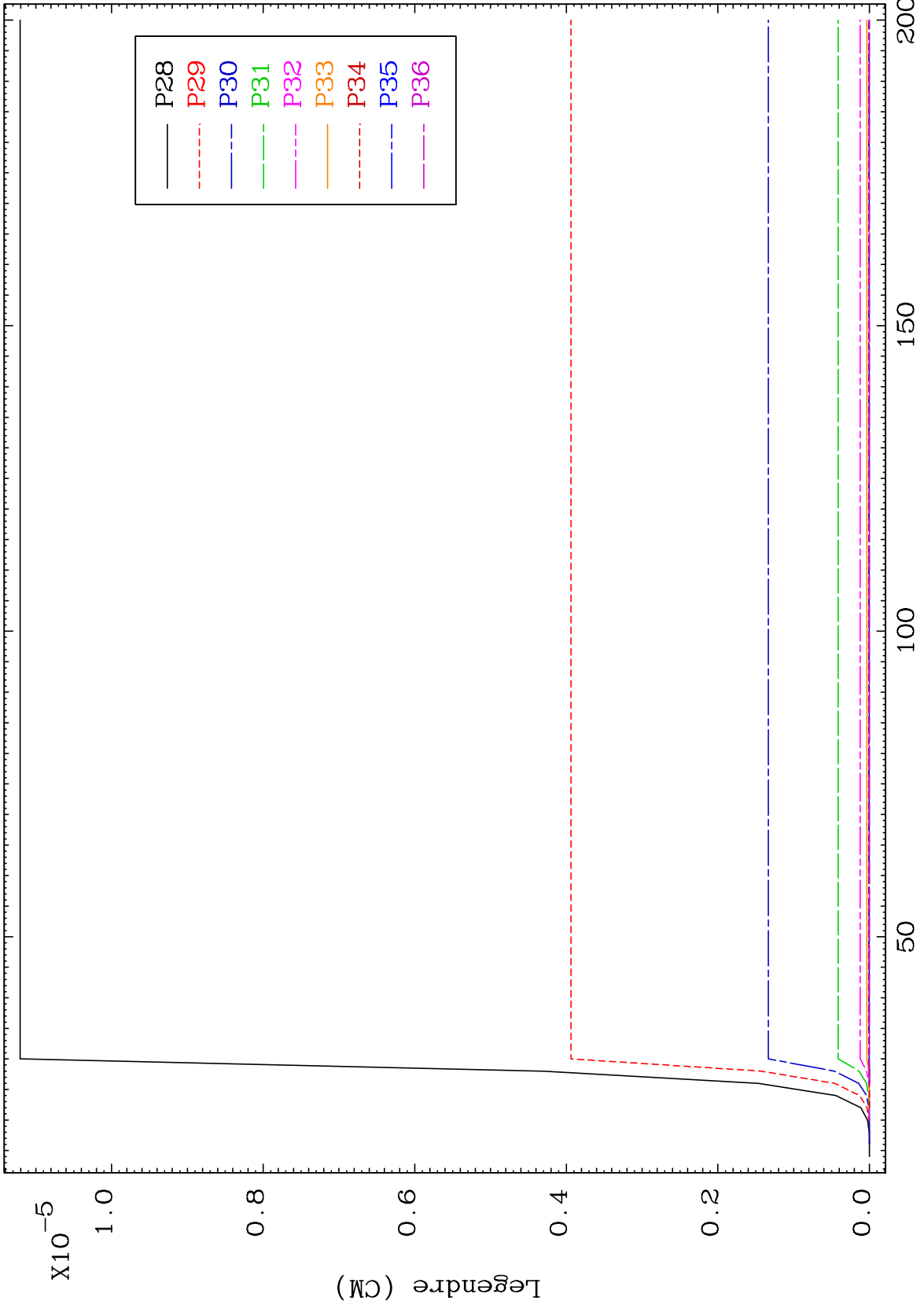
Incident Energy (MeV)

66-Dy-150

MAT 6607

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

66-Dy-150



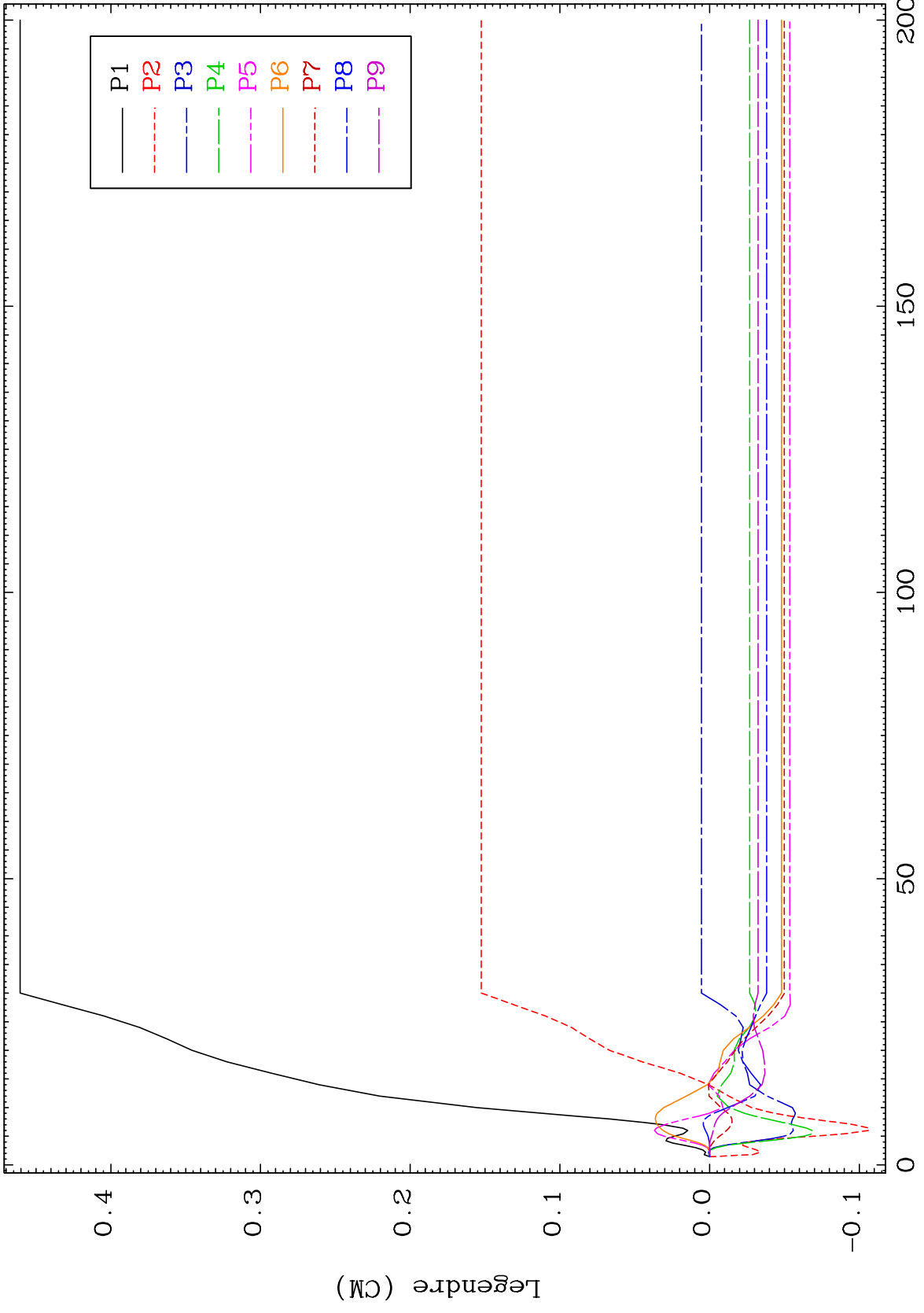
23

Incident Energy (MeV)

66-Dy-150



MAT 6607 MT= 52 (n,n') Level Legendre Coefficients 66-Dy-150

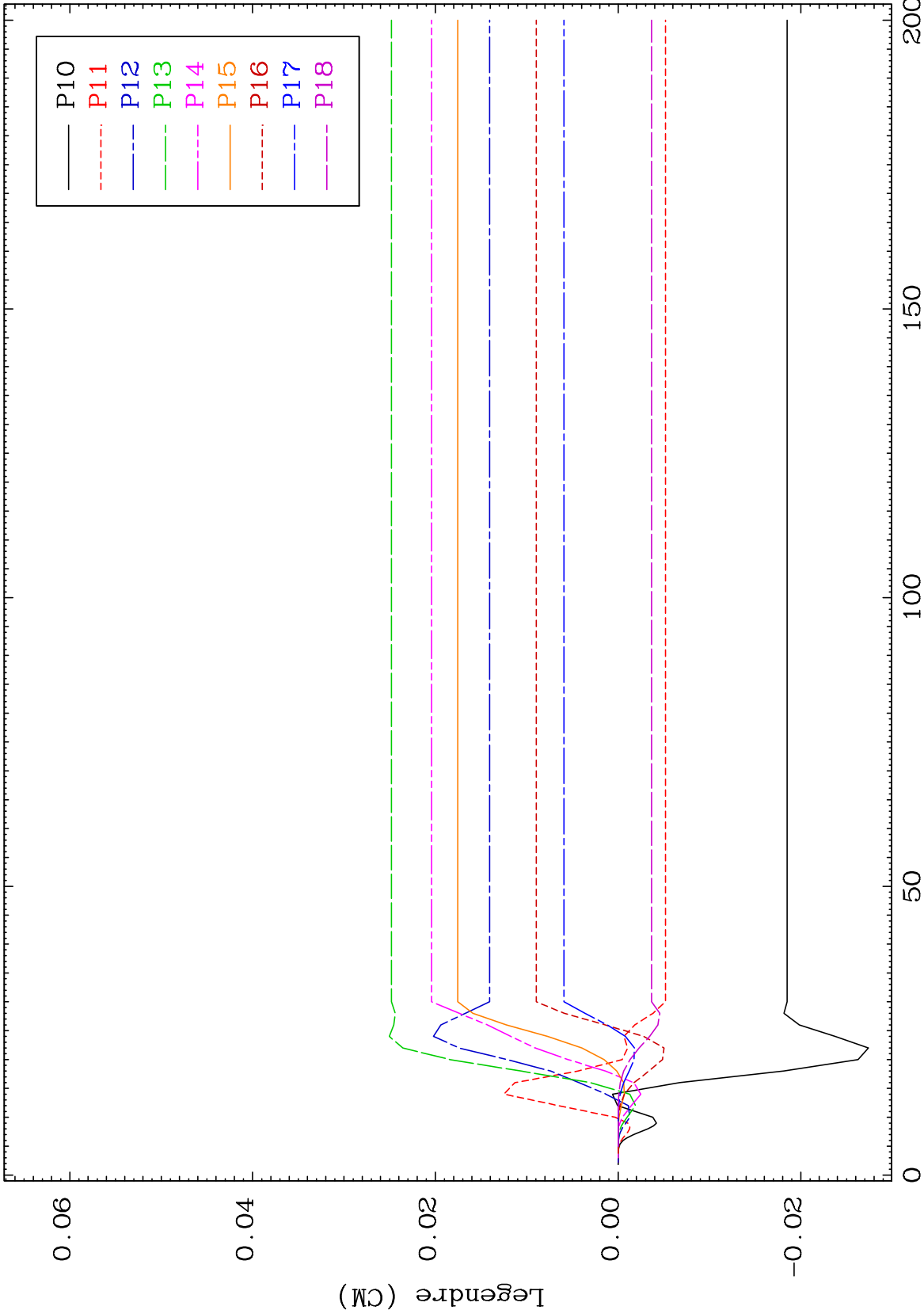


24 66-Dy-150

MAT 6607

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

66-Dy-150



25

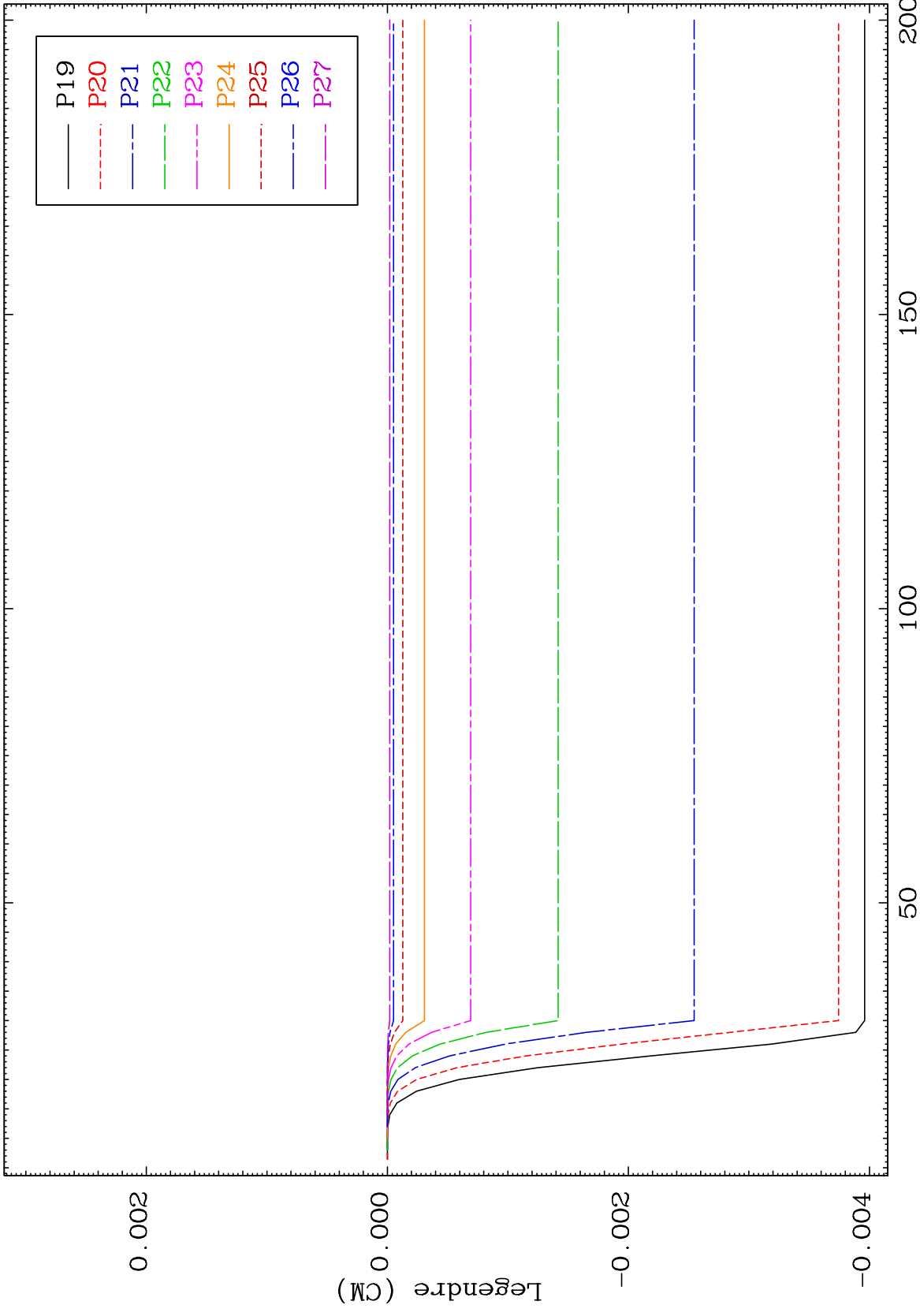
Incident Energy (MeV)

66-Dy-150

MAT 6607

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

66-Dy-150

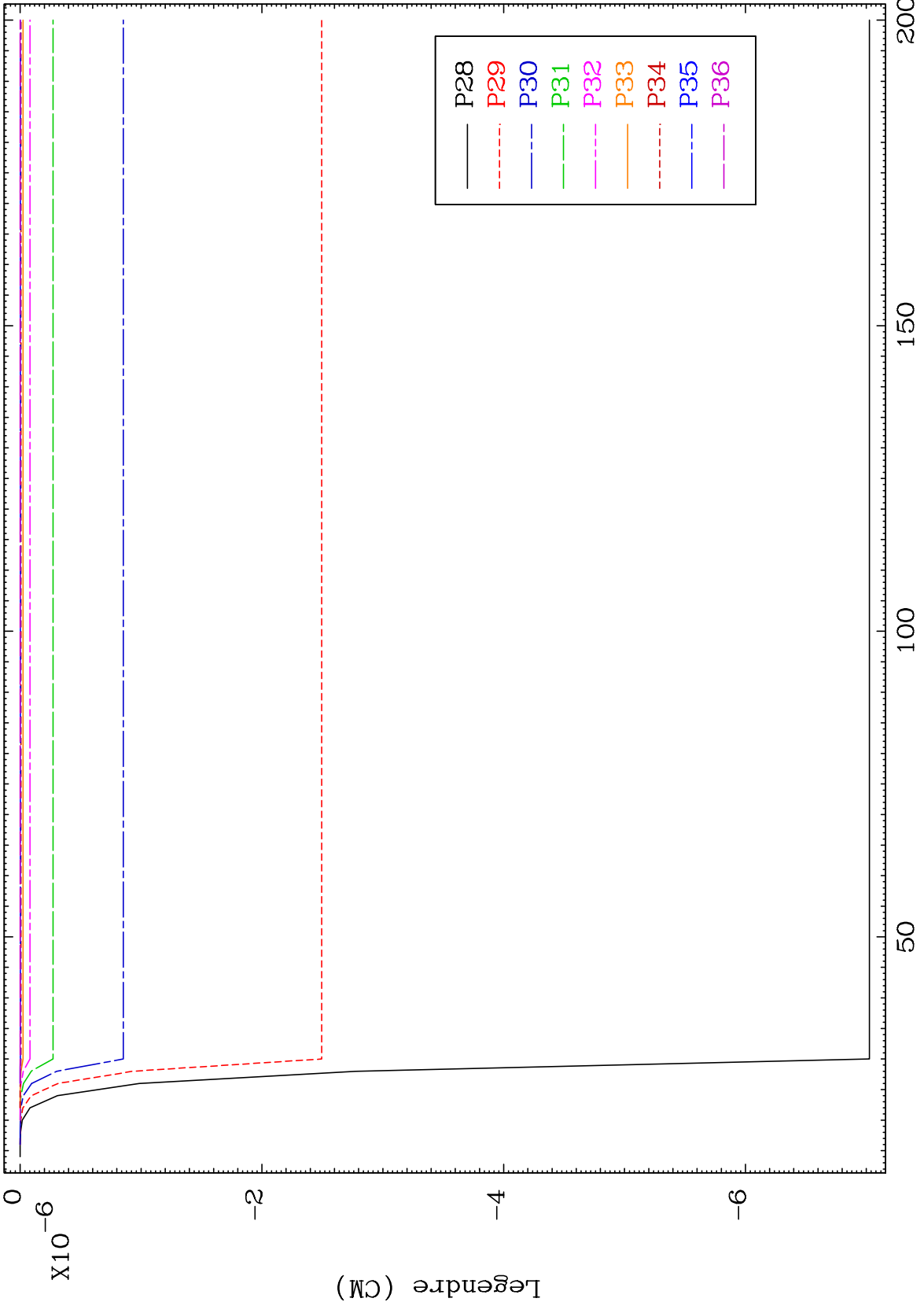


26

Incident Energy (MeV)

66-Dy-150

MAT 6607 MT= 52 (n,n') Level Legendre Coefficients 66-Dy-150

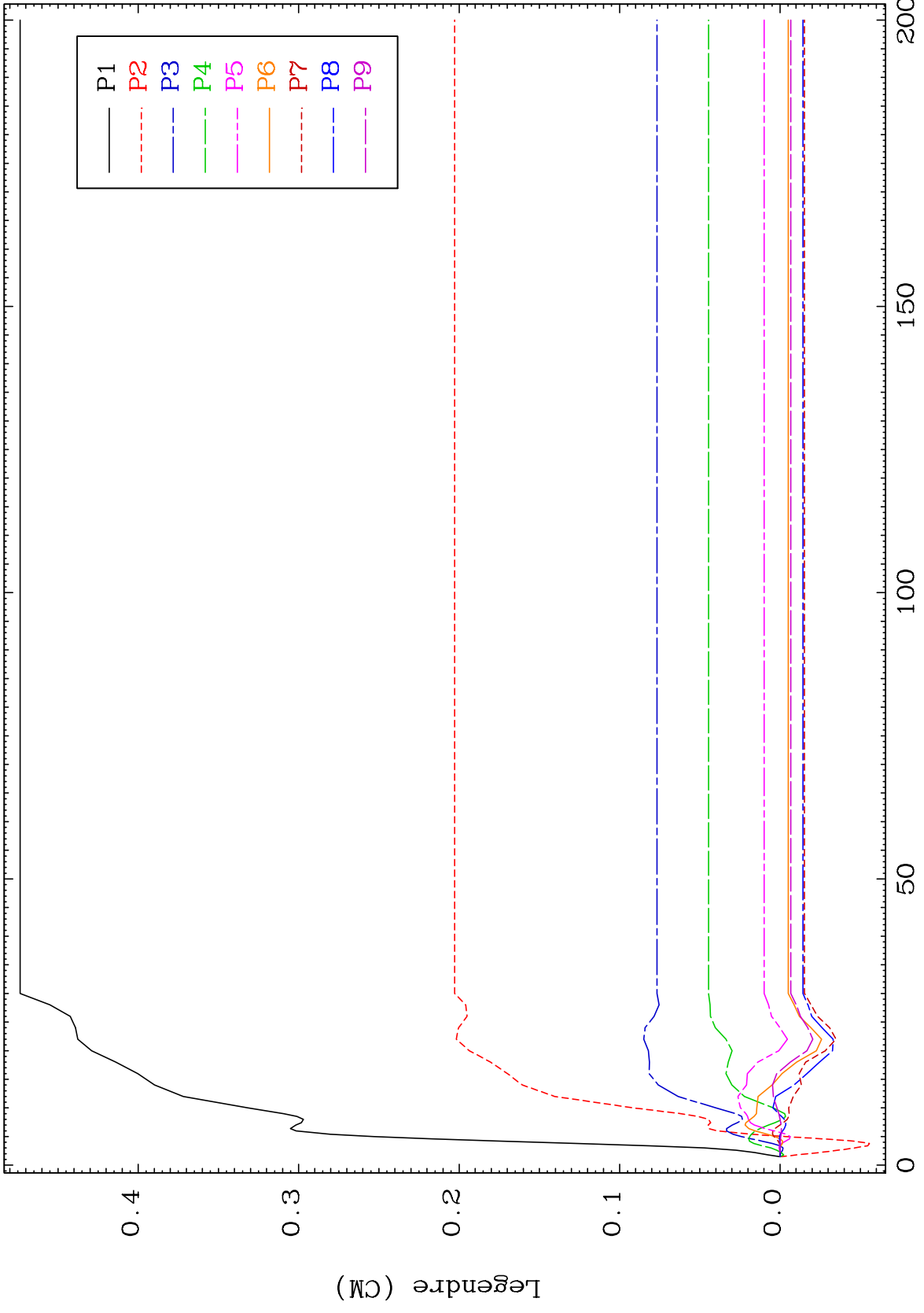


27 Incident Energy (MeV) 66-Dy-150

MAT 6607

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

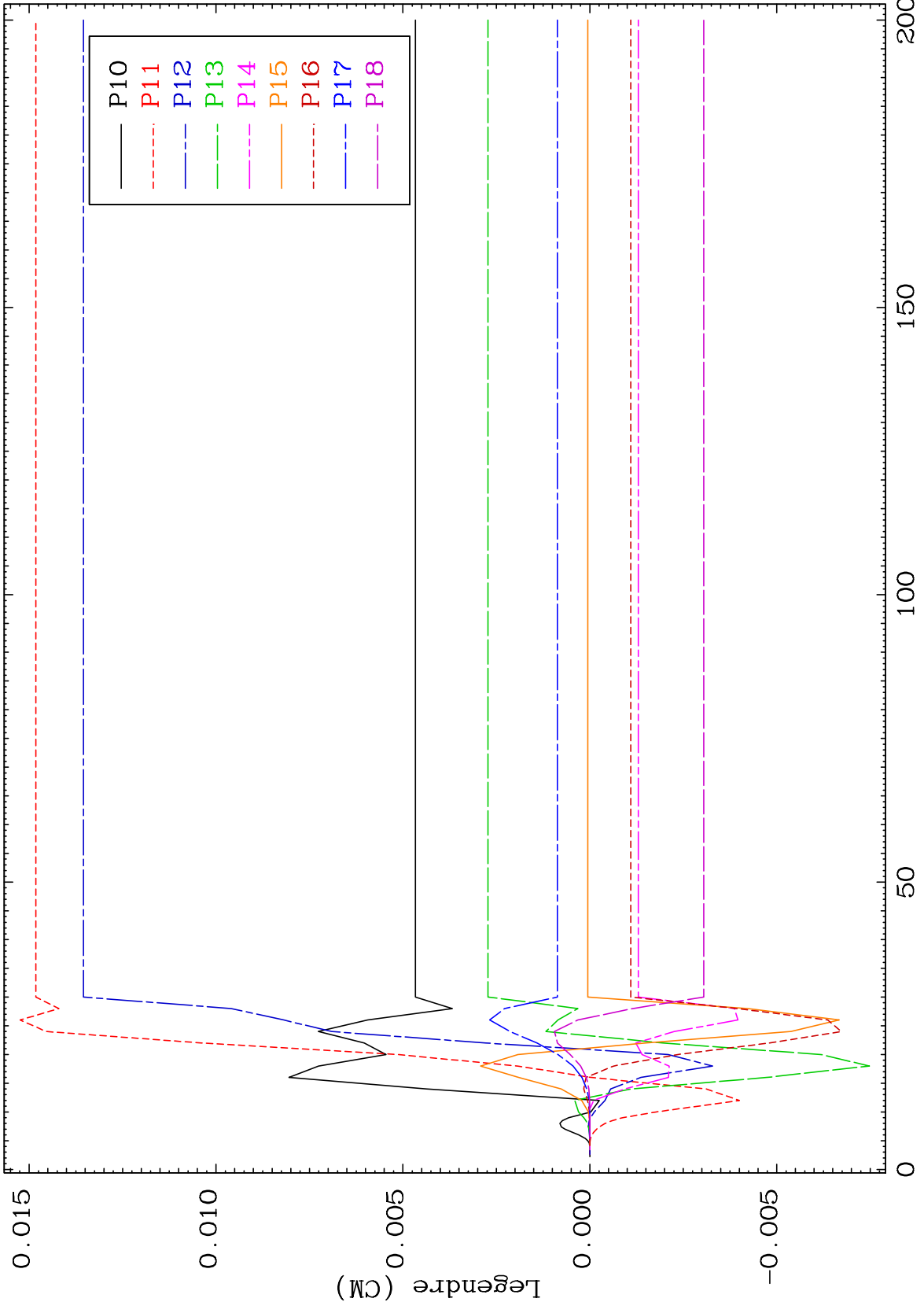
66-Dy-150



28

66-Dy-150

MAT 6607 MT= 53 (n,n') Level Legendre Coefficients 66-Dy-150

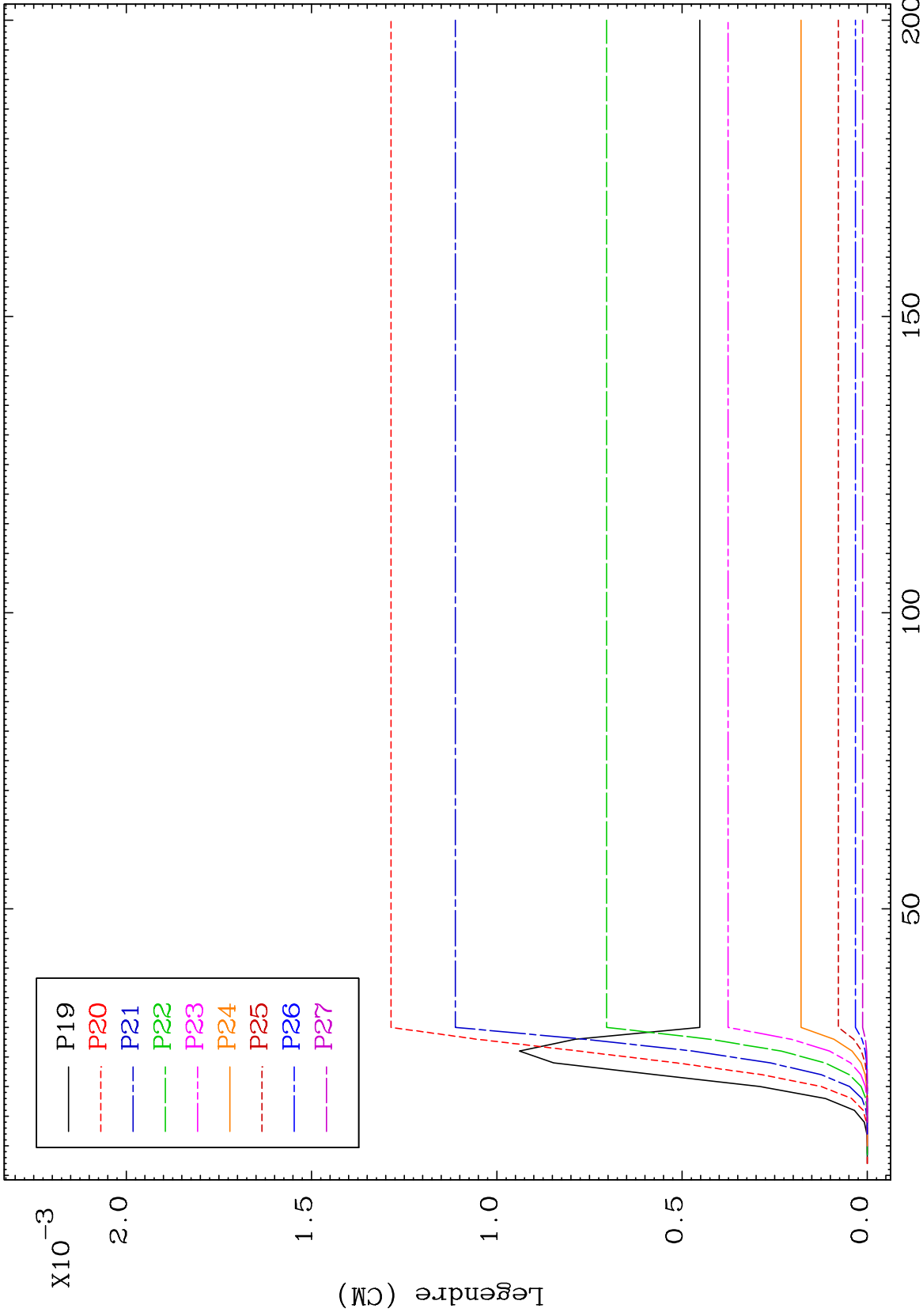


29 66-Dy-150

MAT 6607

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

66-Dy-150



30

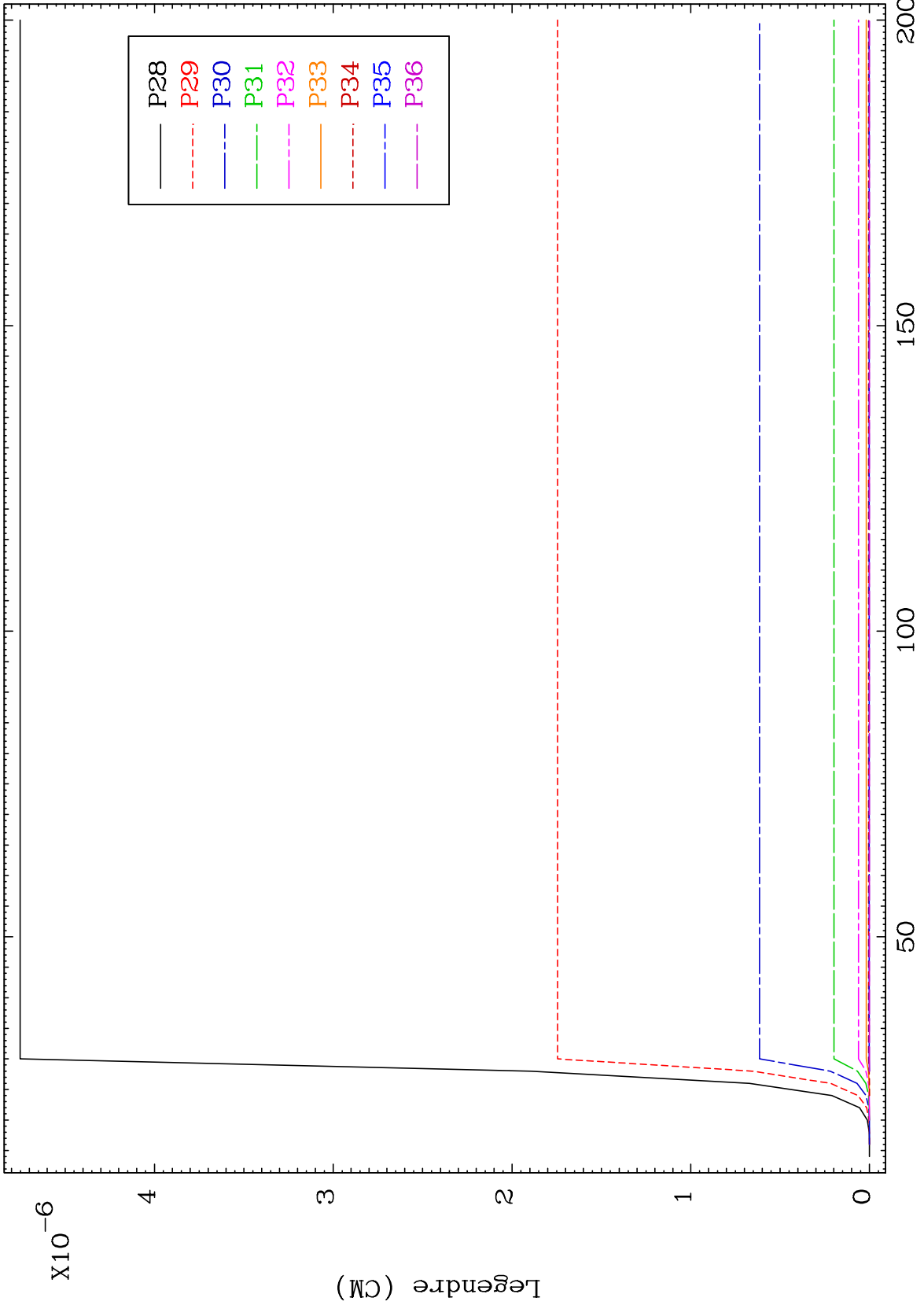
Incident Energy (MeV)

66-Dy-150

MAT 6607

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

66-Dy-150

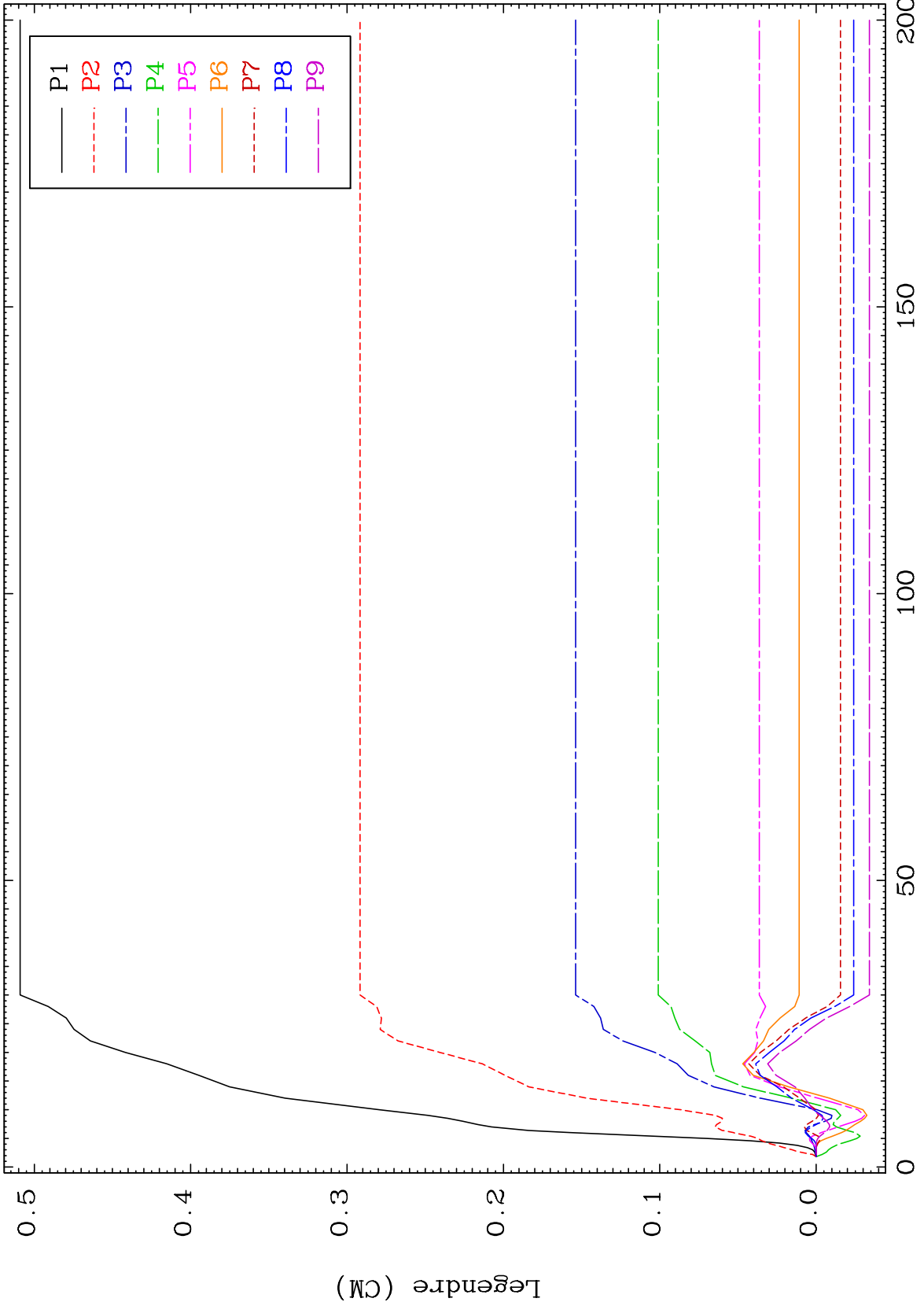


31

66-Dy-150



MAT 6607 MT= 54 (n,n') Level Legendre Coefficients 66-Dy-150

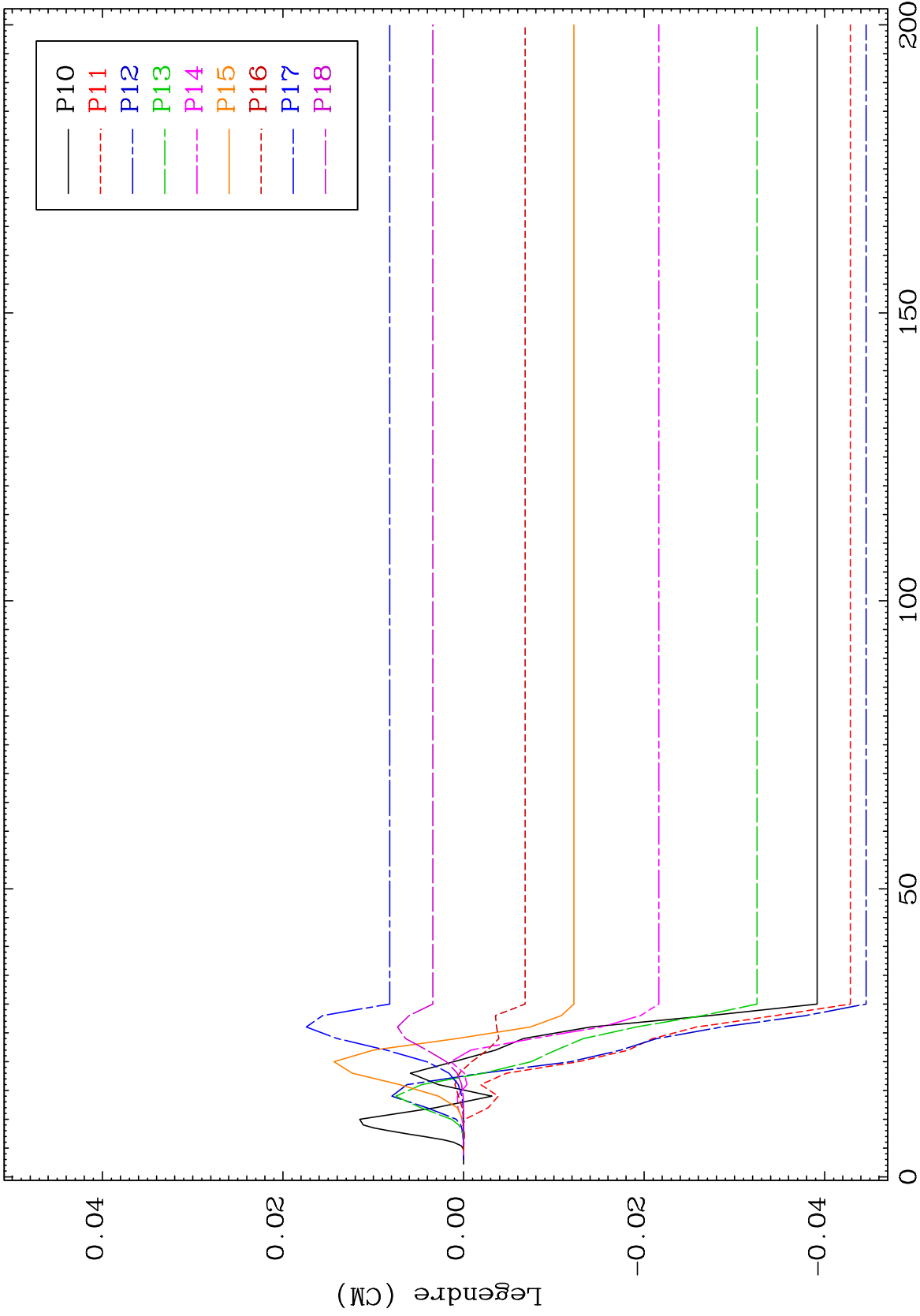


32 Incident Energy (MeV) 66-Dy-150

MAT 6607

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

66-Dy-150



33

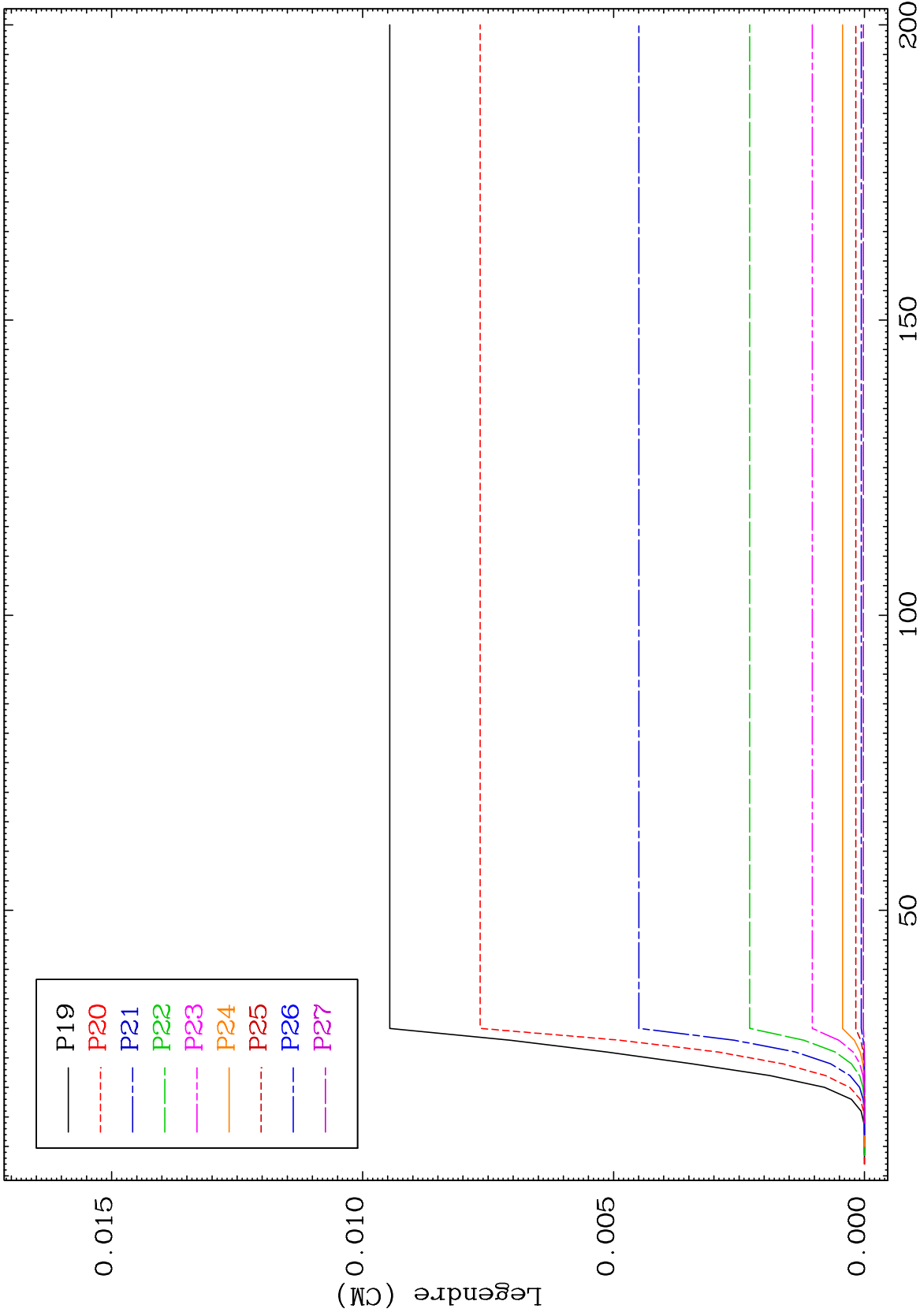
Incident Energy (MeV)

66-Dy-150

MAT 6607

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

66-Dy-150



34

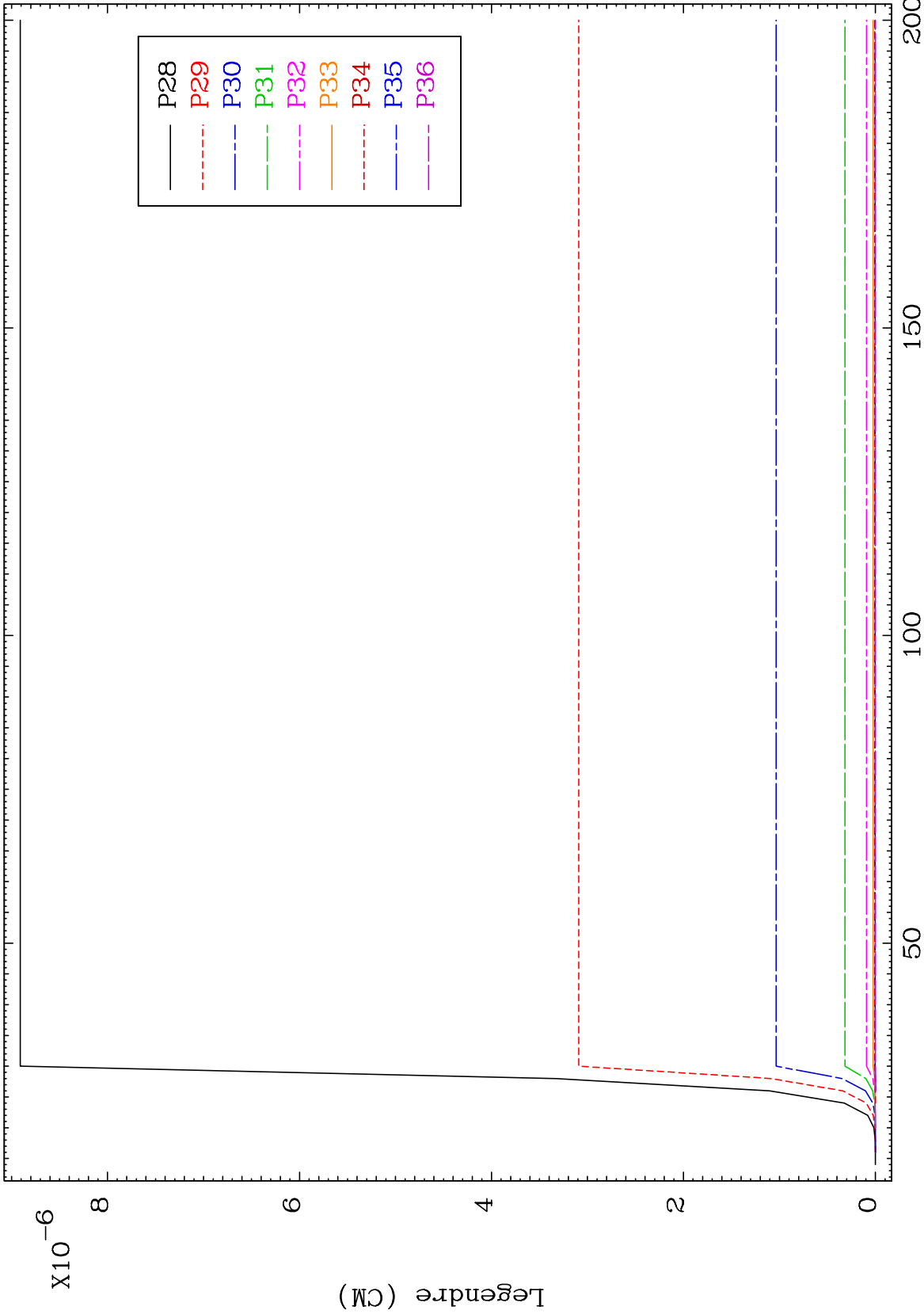
Incident Energy (MeV)

66-Dy-150

MAT 6607

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

66-Dy-150



35

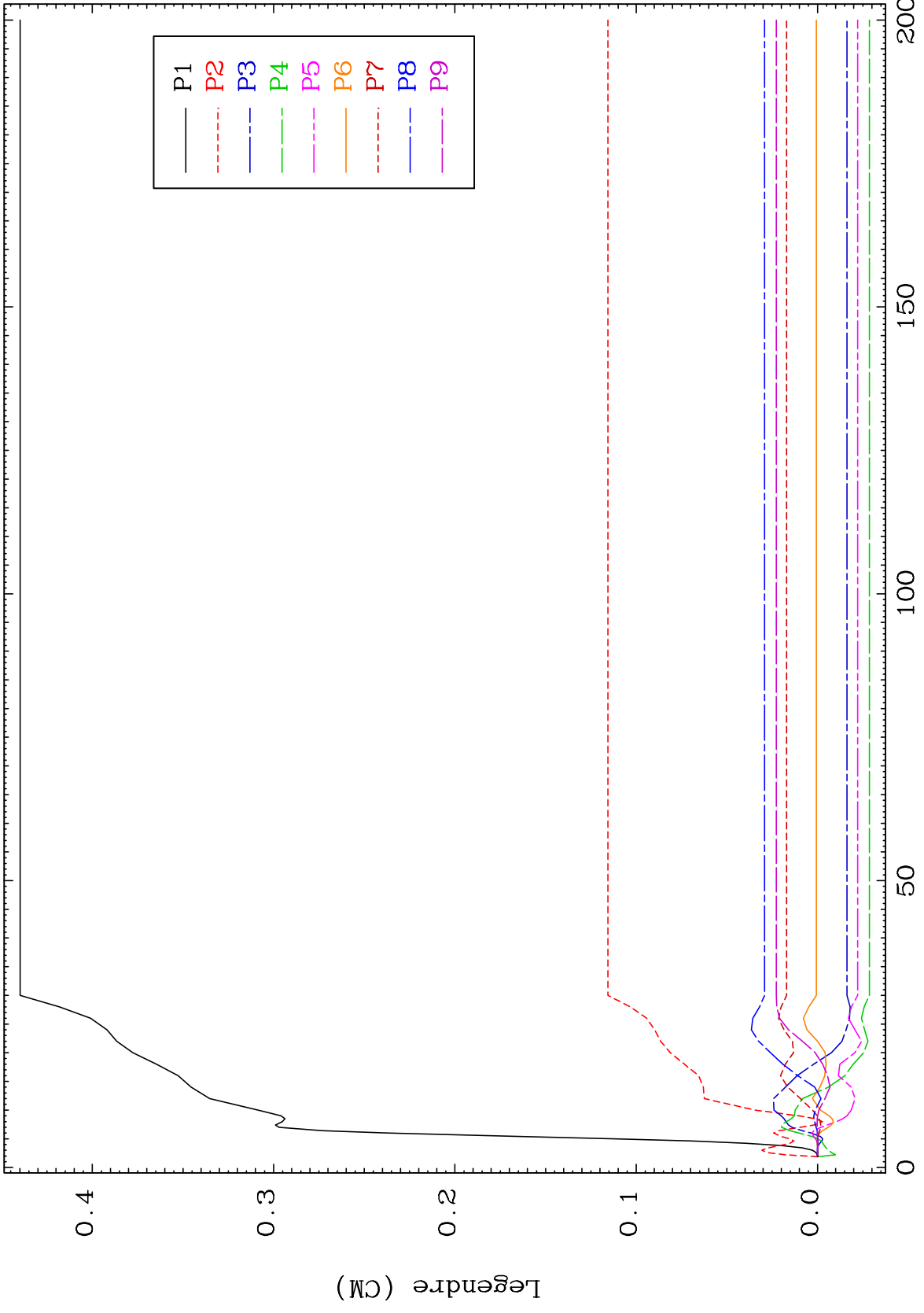
Incident Energy (MeV)

66-Dy-150

MAT 6607

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

66-Dy-150



36

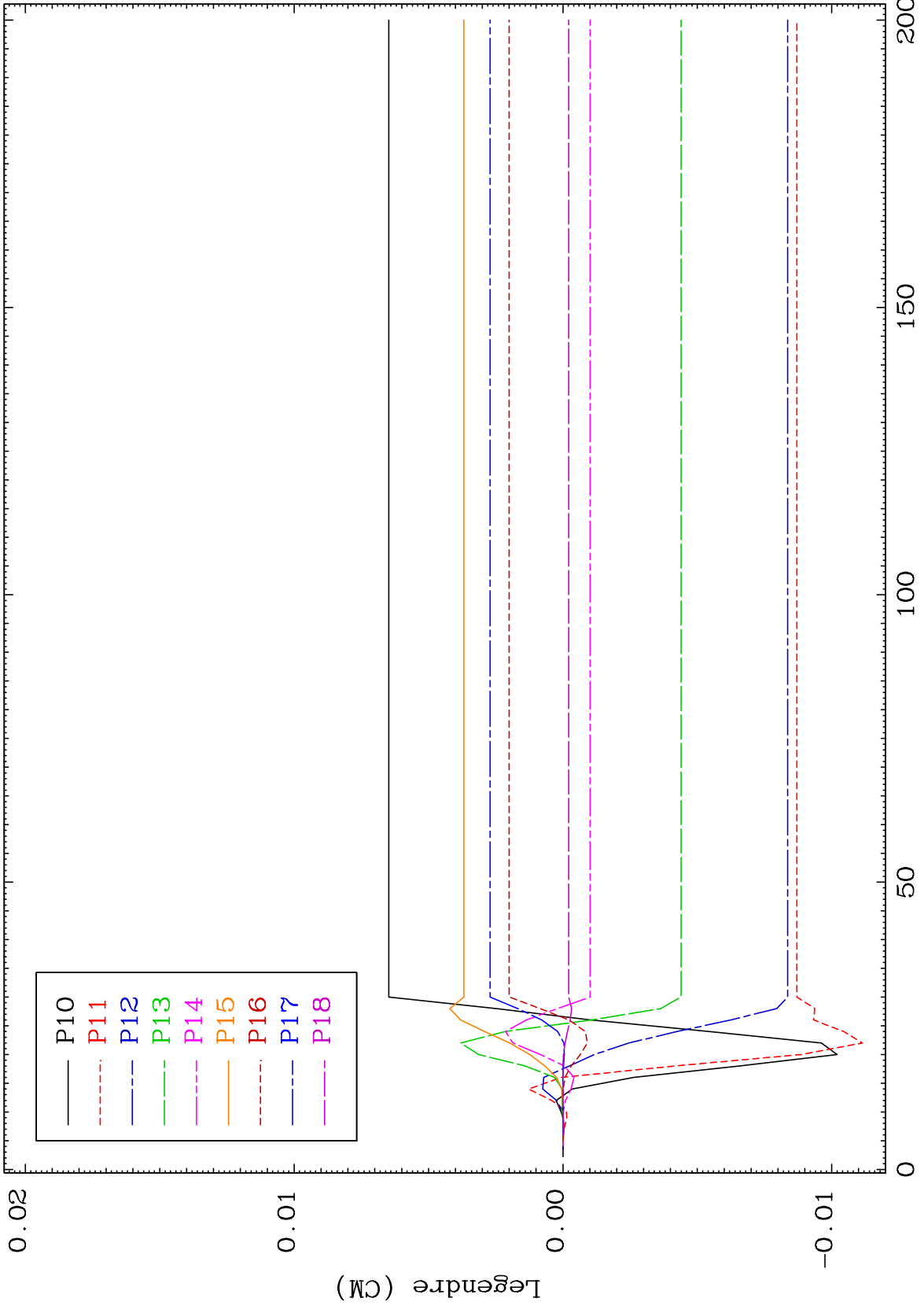
Incident Energy (MeV)

66-Dy-150

MAT 6607

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

66-Dy-150



37

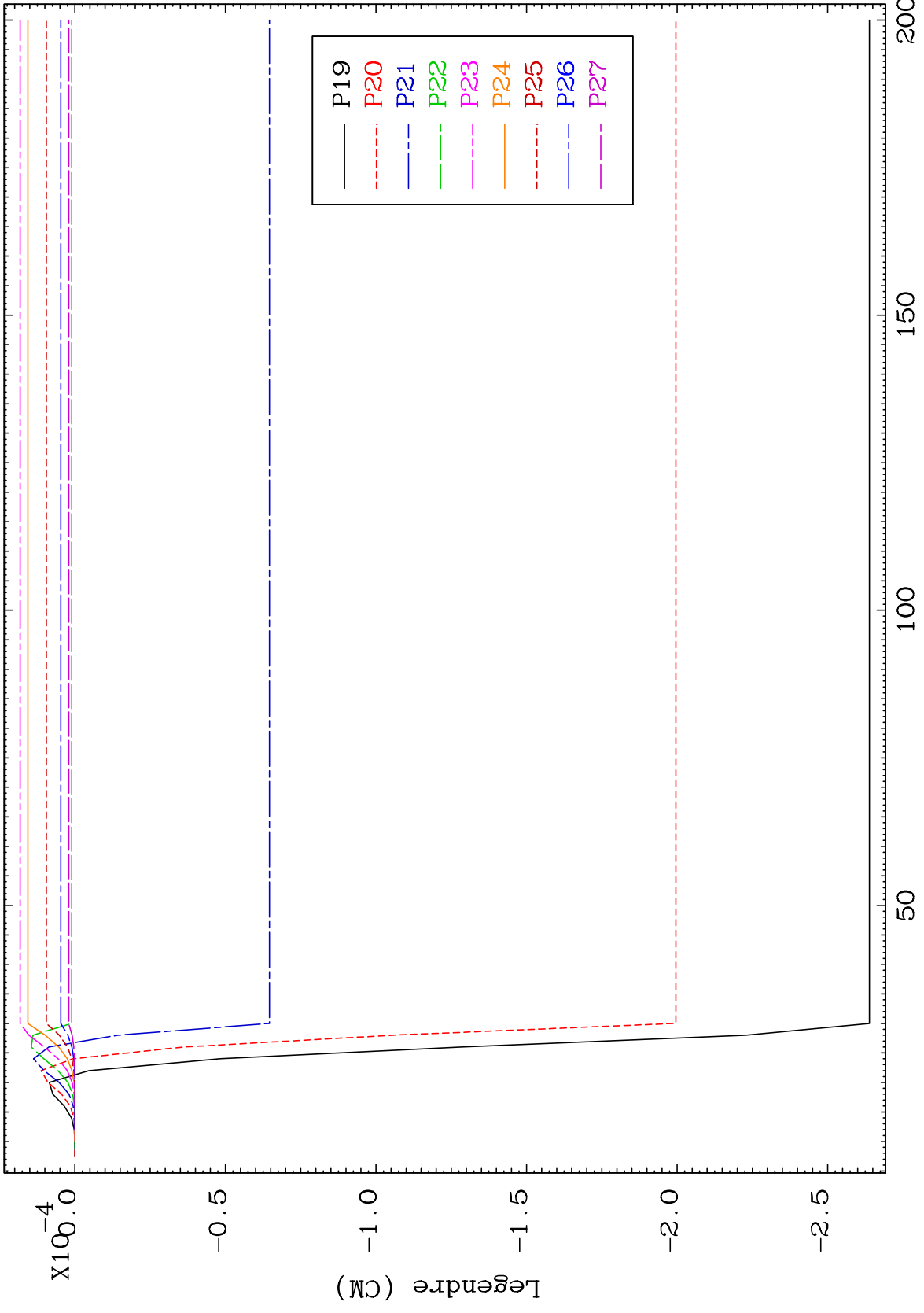
Incident Energy (MeV)

66-Dy-150

MAT 6607

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

66-Dy-150



66-Dy-150

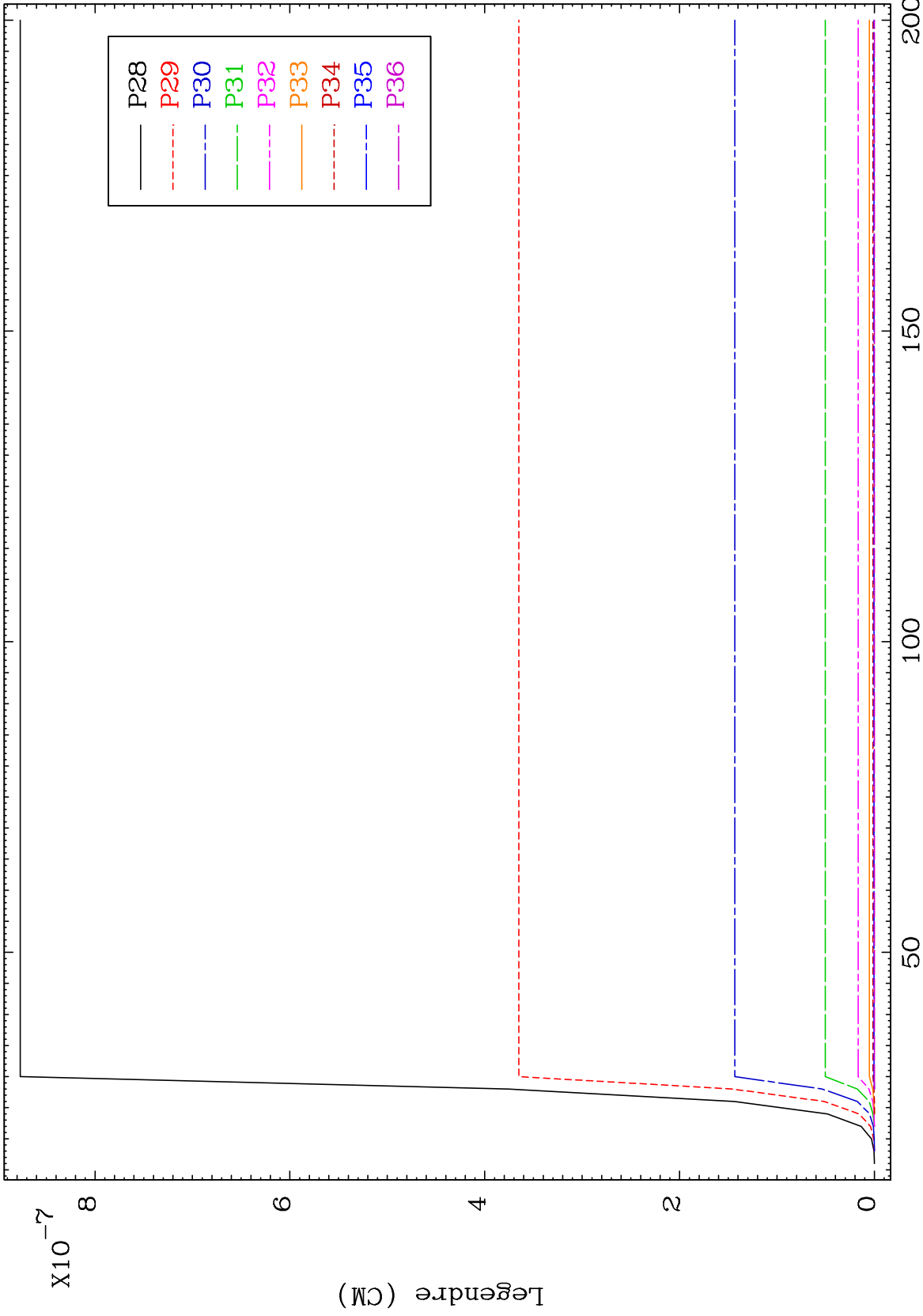
Incident Energy (MeV)

38

MAT 6607

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

66-Dy-150

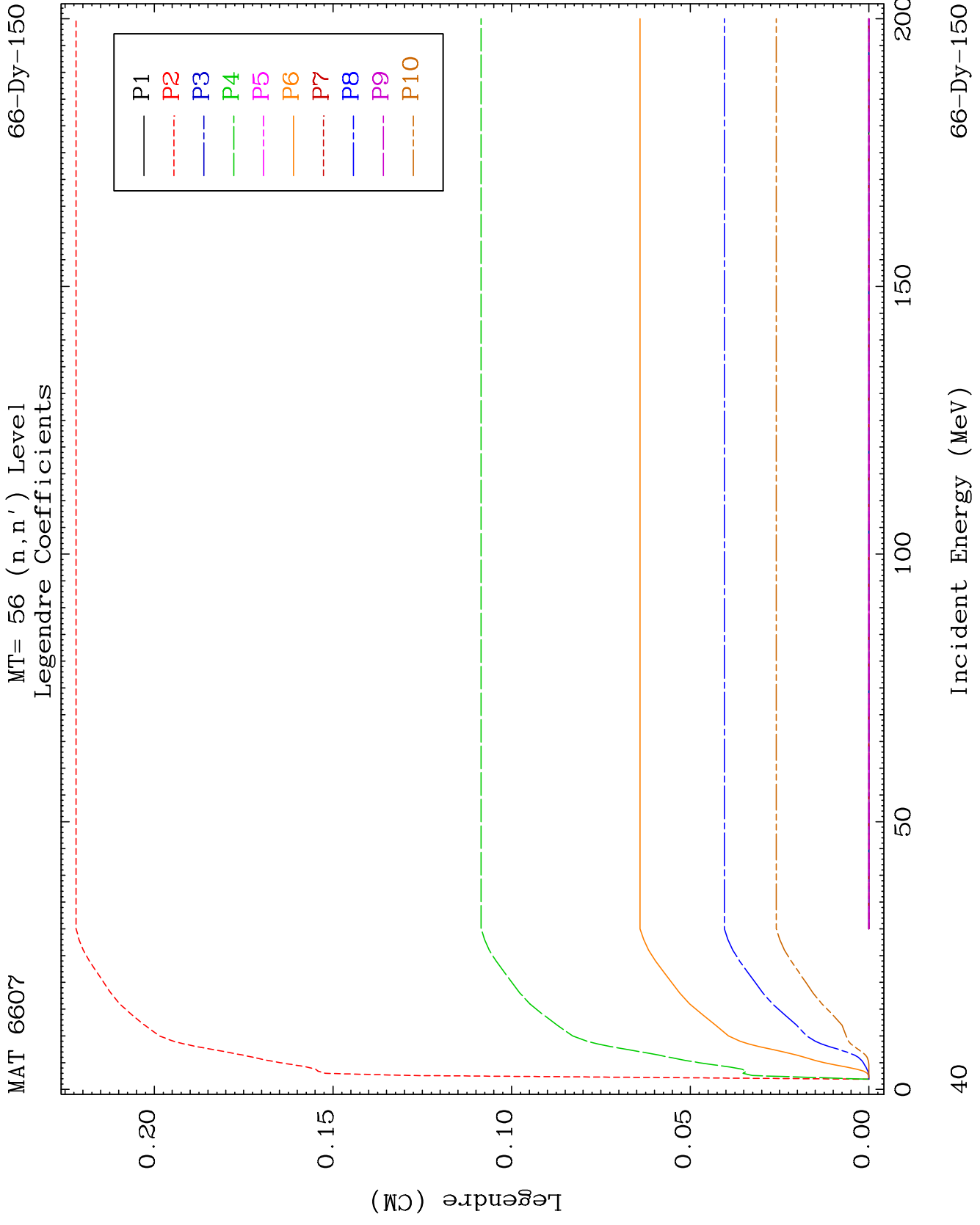


39

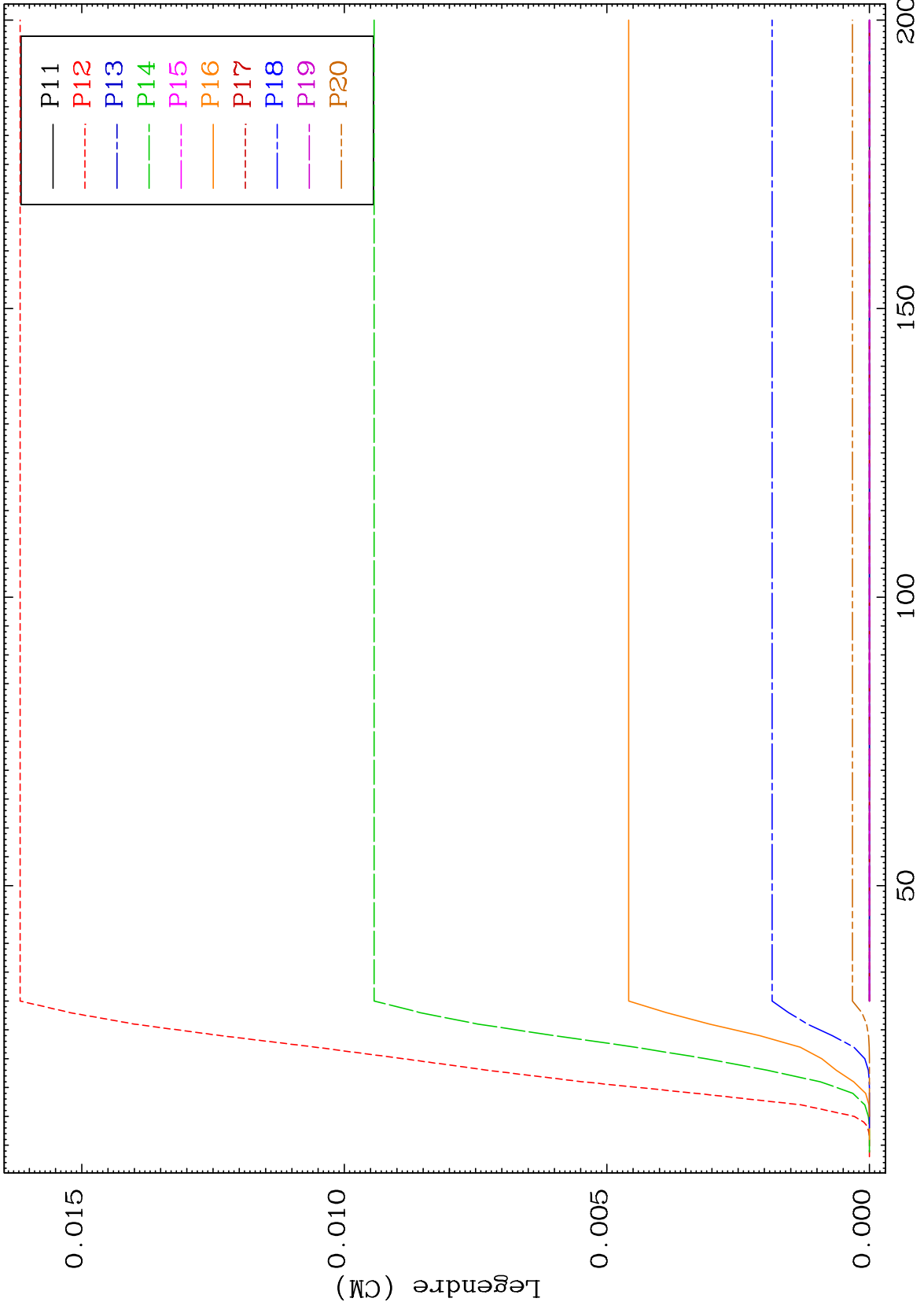
Incident Energy (MeV)

66-Dy-150

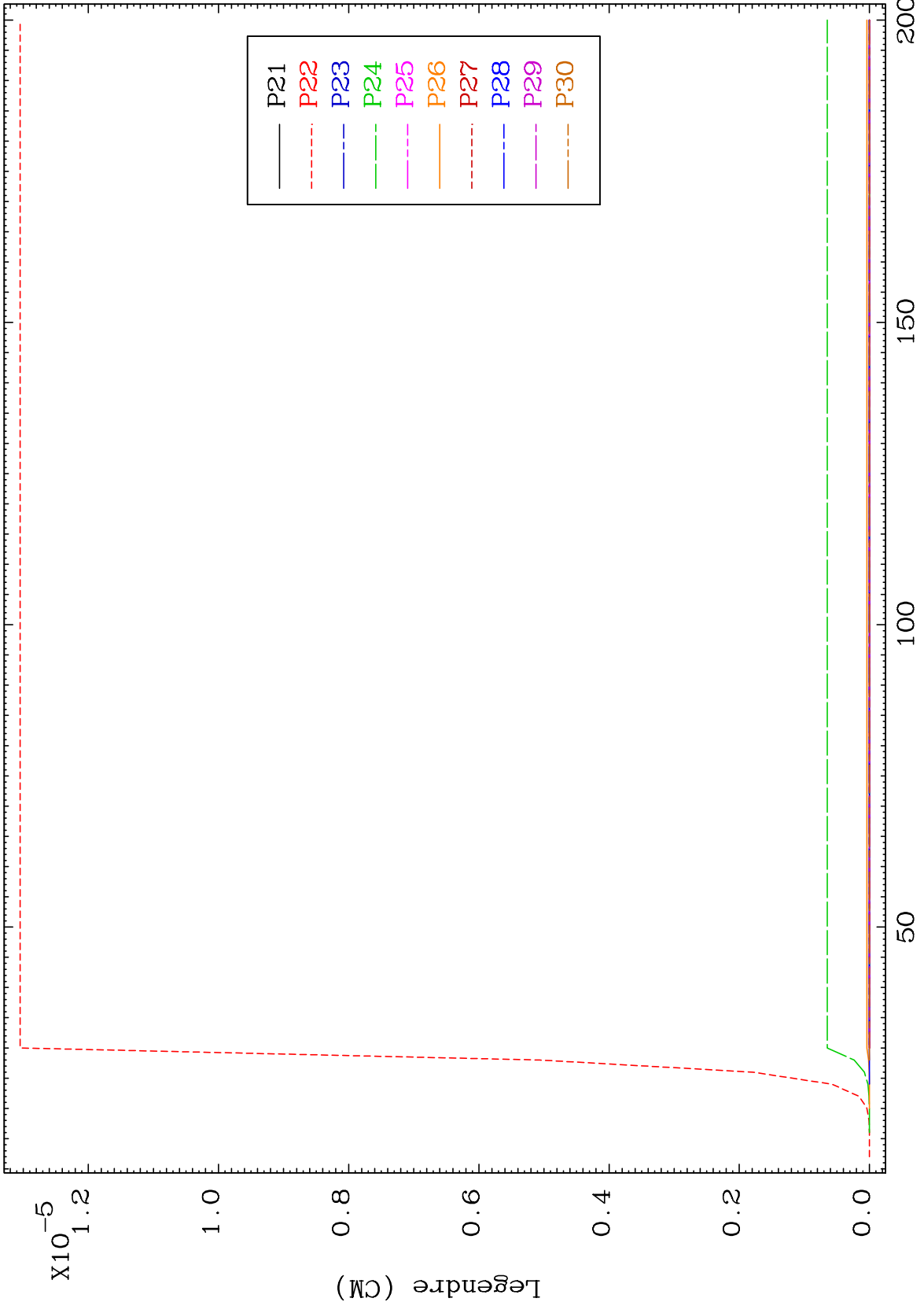




MAT 6607 MT= 56 (n,n') Level Legendre Coefficients 66-Dy-150

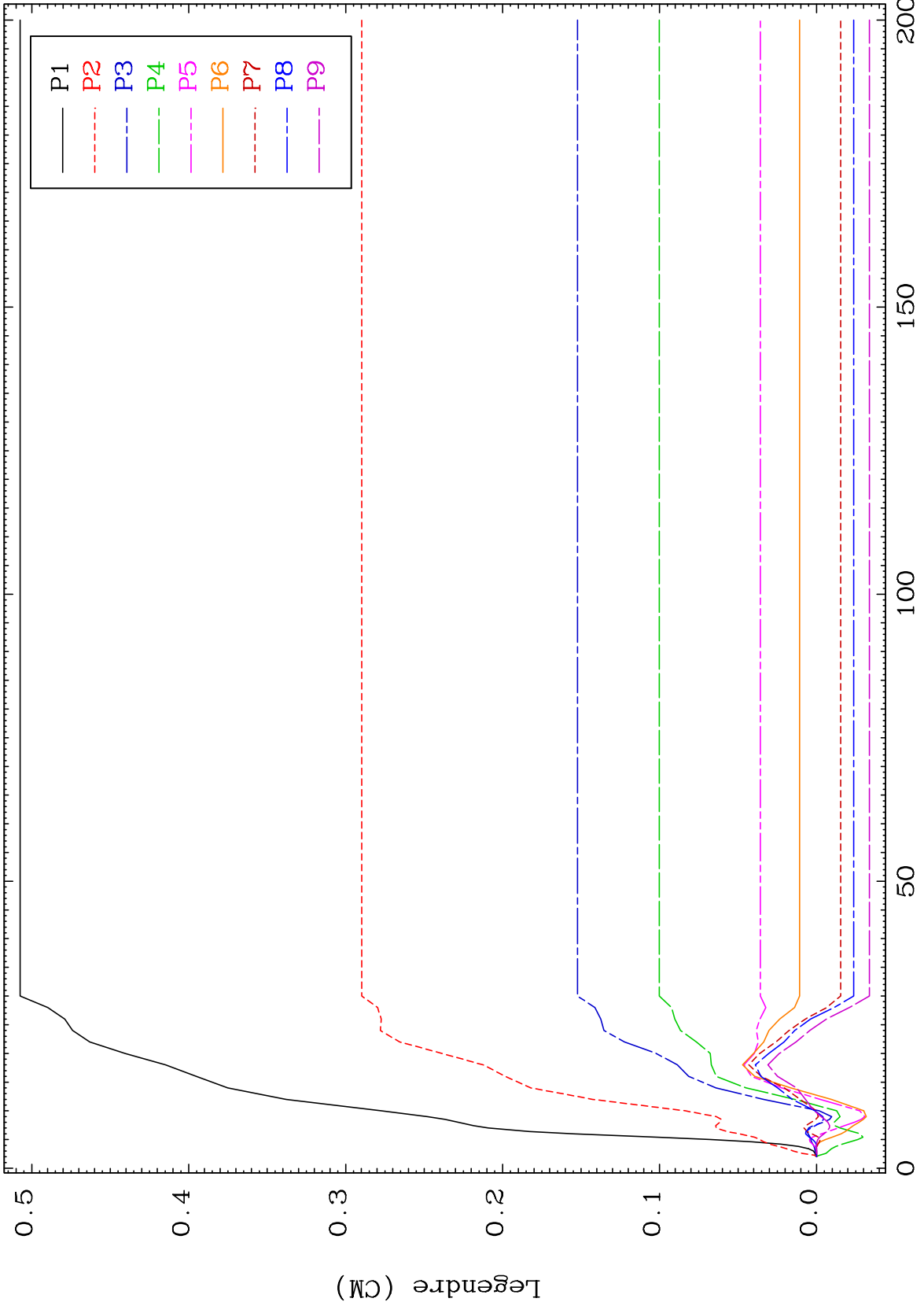


MAT 6607 MT= 56 (n,n') Level Legendre Coefficients 66-Dy-150



42 Incident Energy (MeV) 66-Dy-150

MAT 6607 MT= 57 (n,n') Level Legendre Coefficients 66-Dy-150

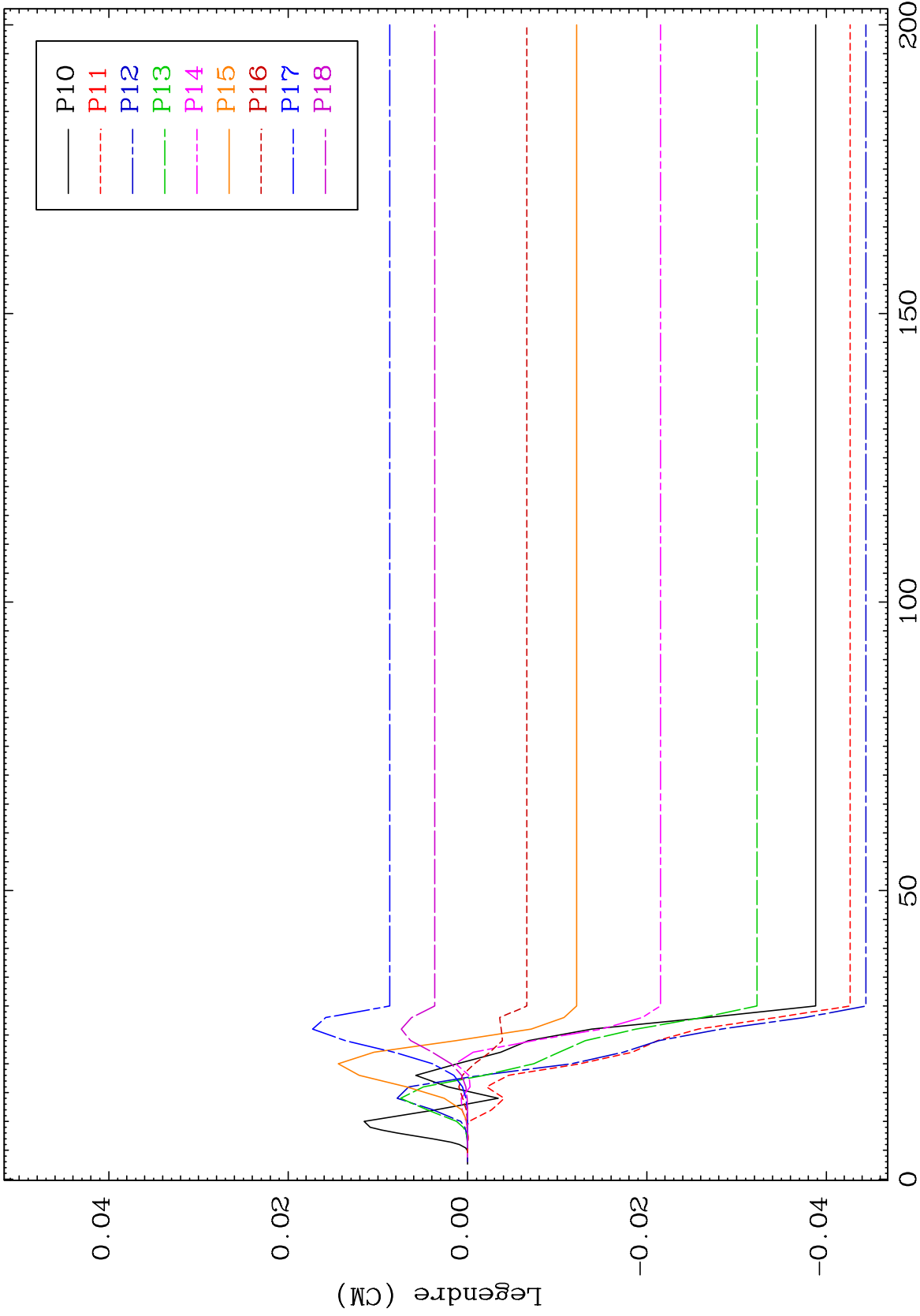


43 Incident Energy (MeV) 66-Dy-150

MAT 6607

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

66-Dy-150



44

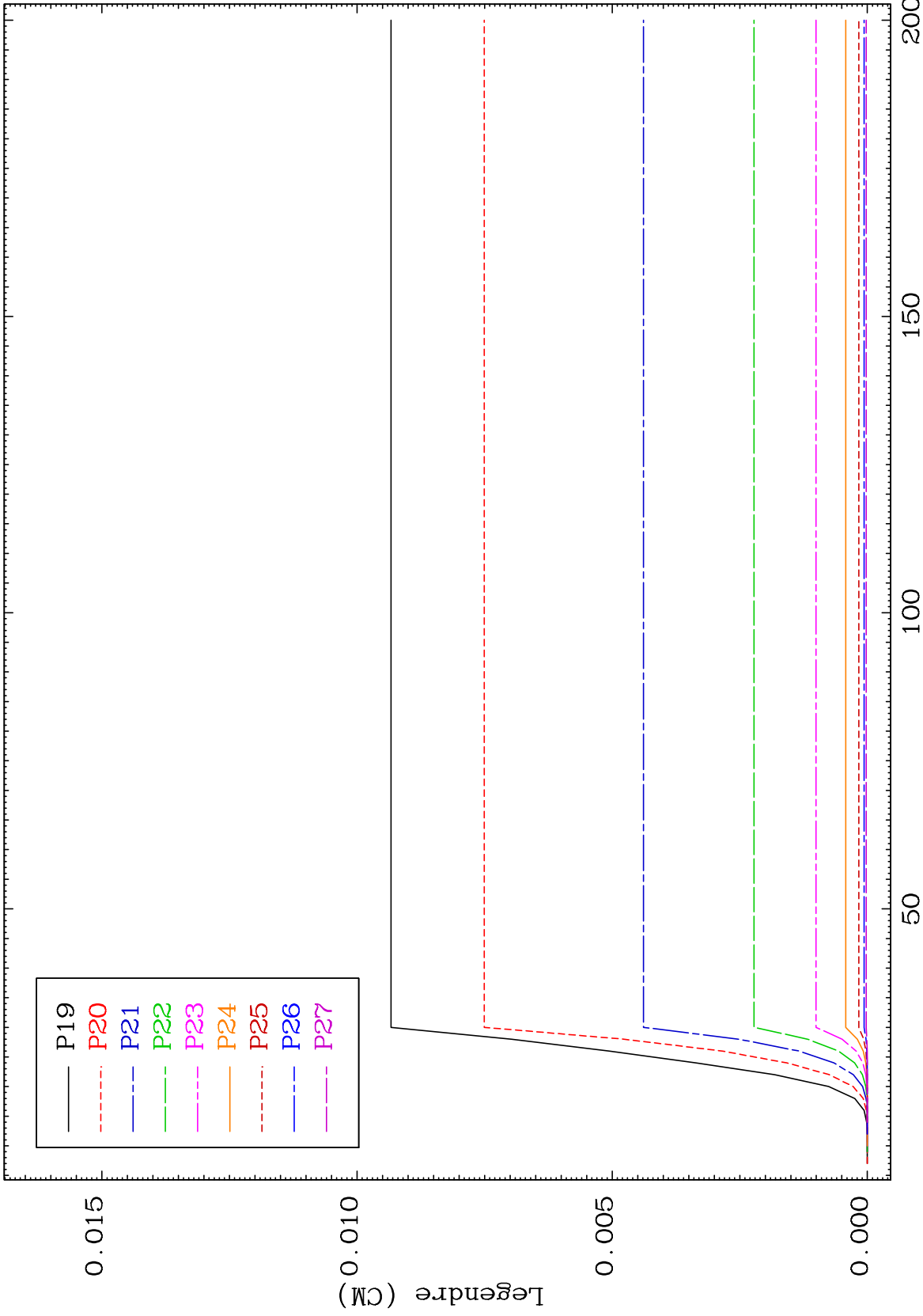
Incident Energy (MeV)

66-Dy-150

MAT 6607

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

66-Dy-150



45

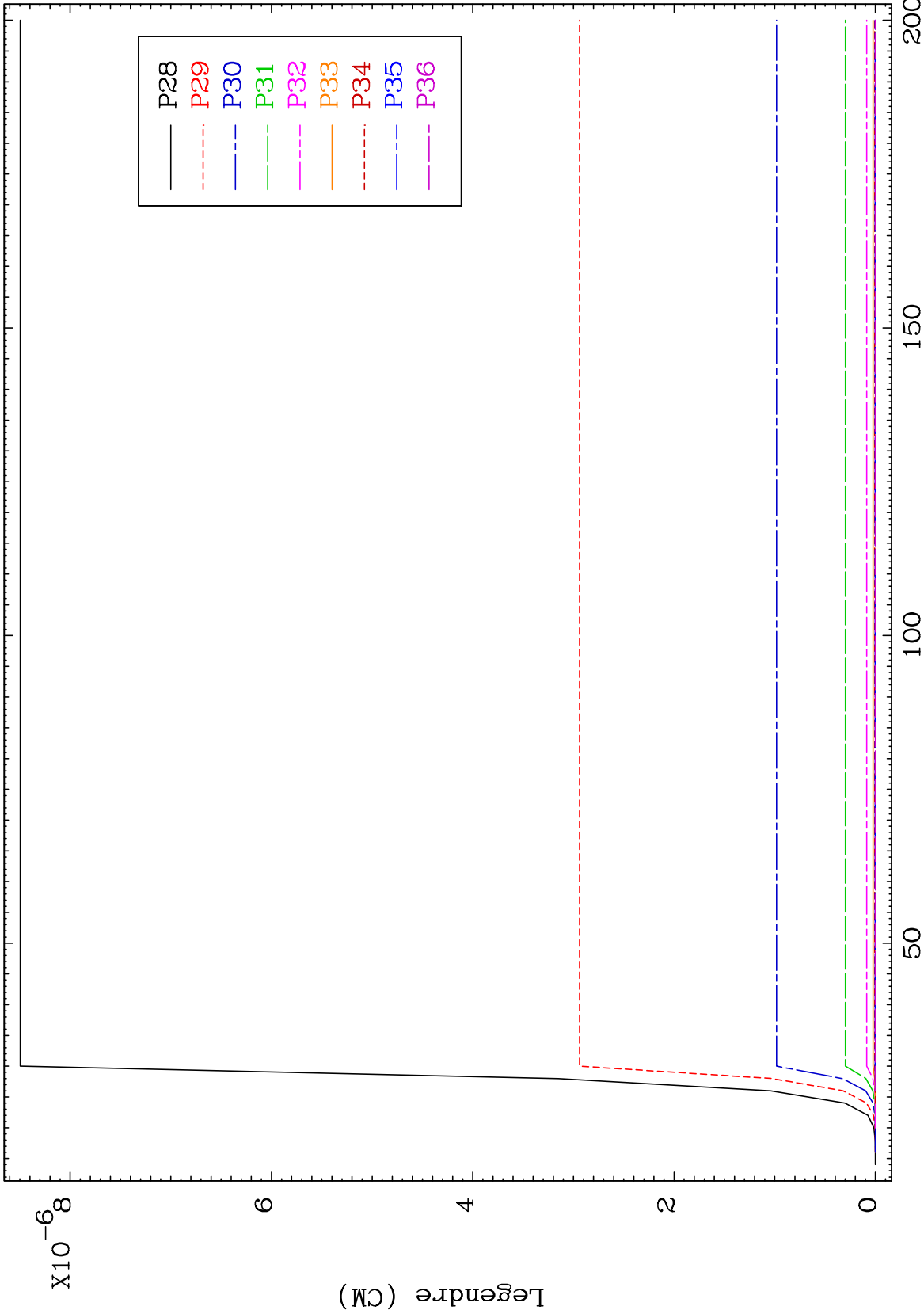
Incident Energy (MeV)

66-Dy-150

MAT 6607

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

66-Dy-150

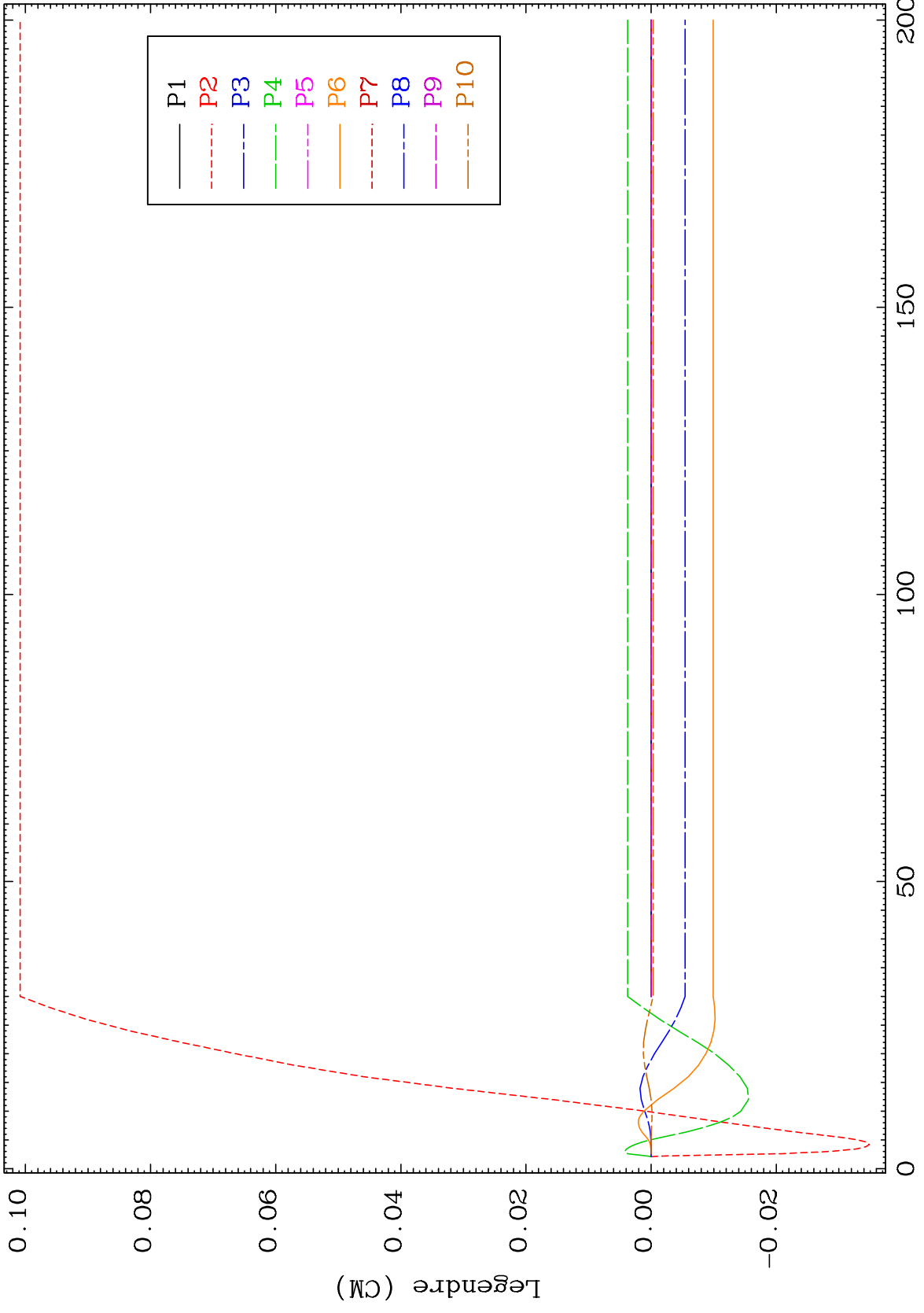


46

Incident Energy (MeV)

66-Dy-150

MAT 6607 MT= 58 (n,n') Level Legendre Coefficients 66-Dy-150



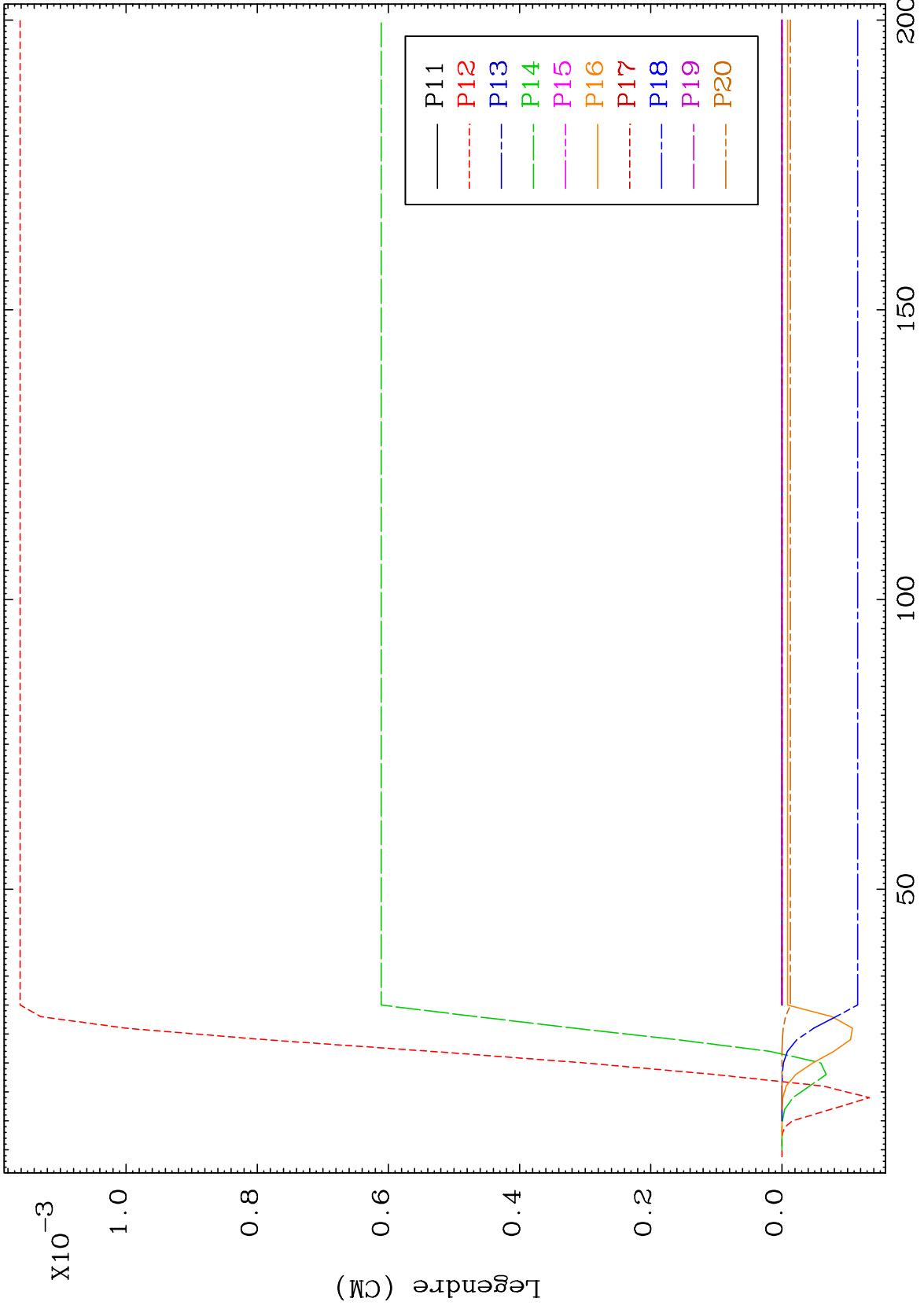
47 66-Dy-150



MAT 6607

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

66-Dy-150

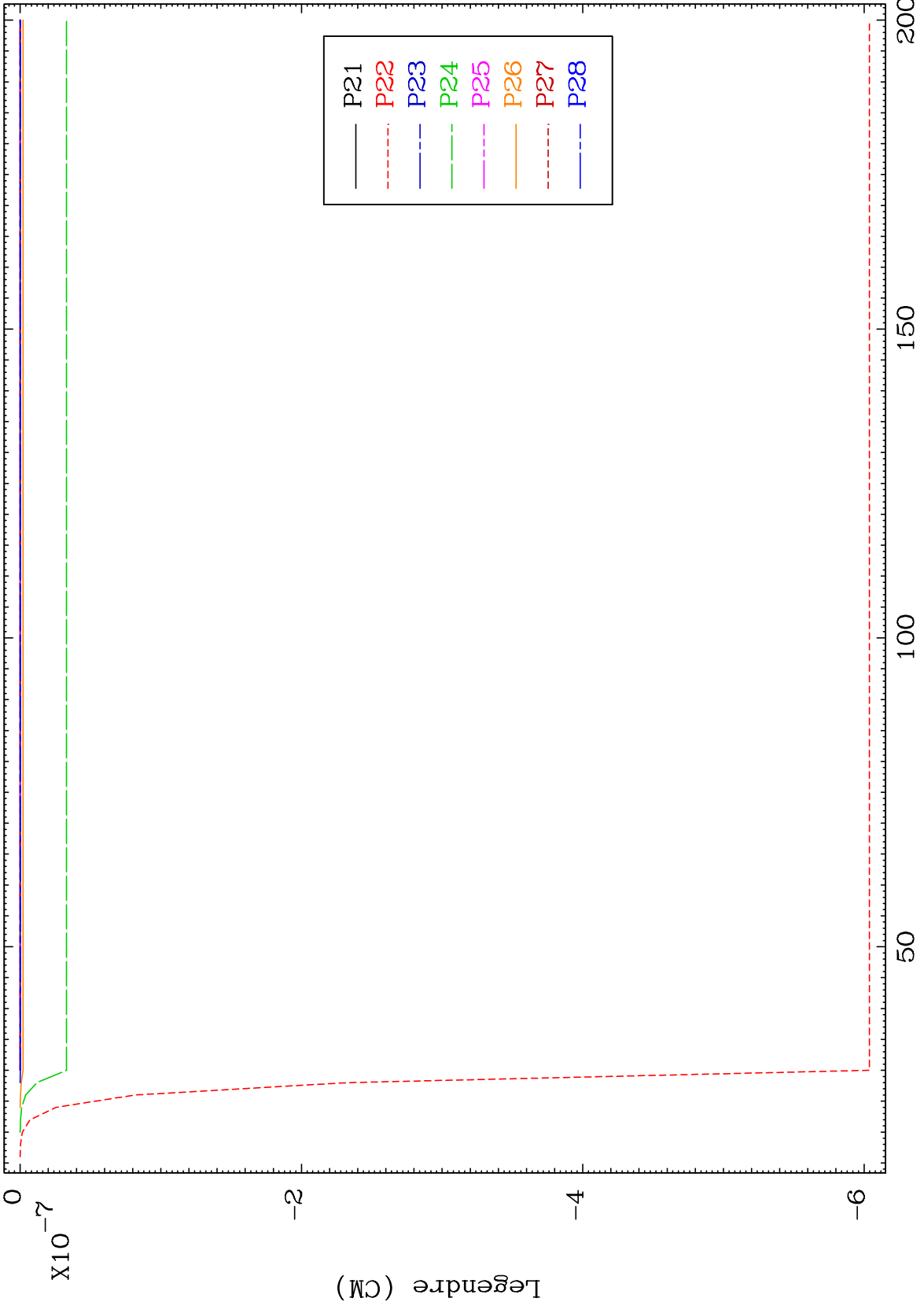


48

Incident Energy (MeV)

66-Dy-150

MAT 6607 MT= 58 (n,n') Level Legendre Coefficients 66-Dy-150

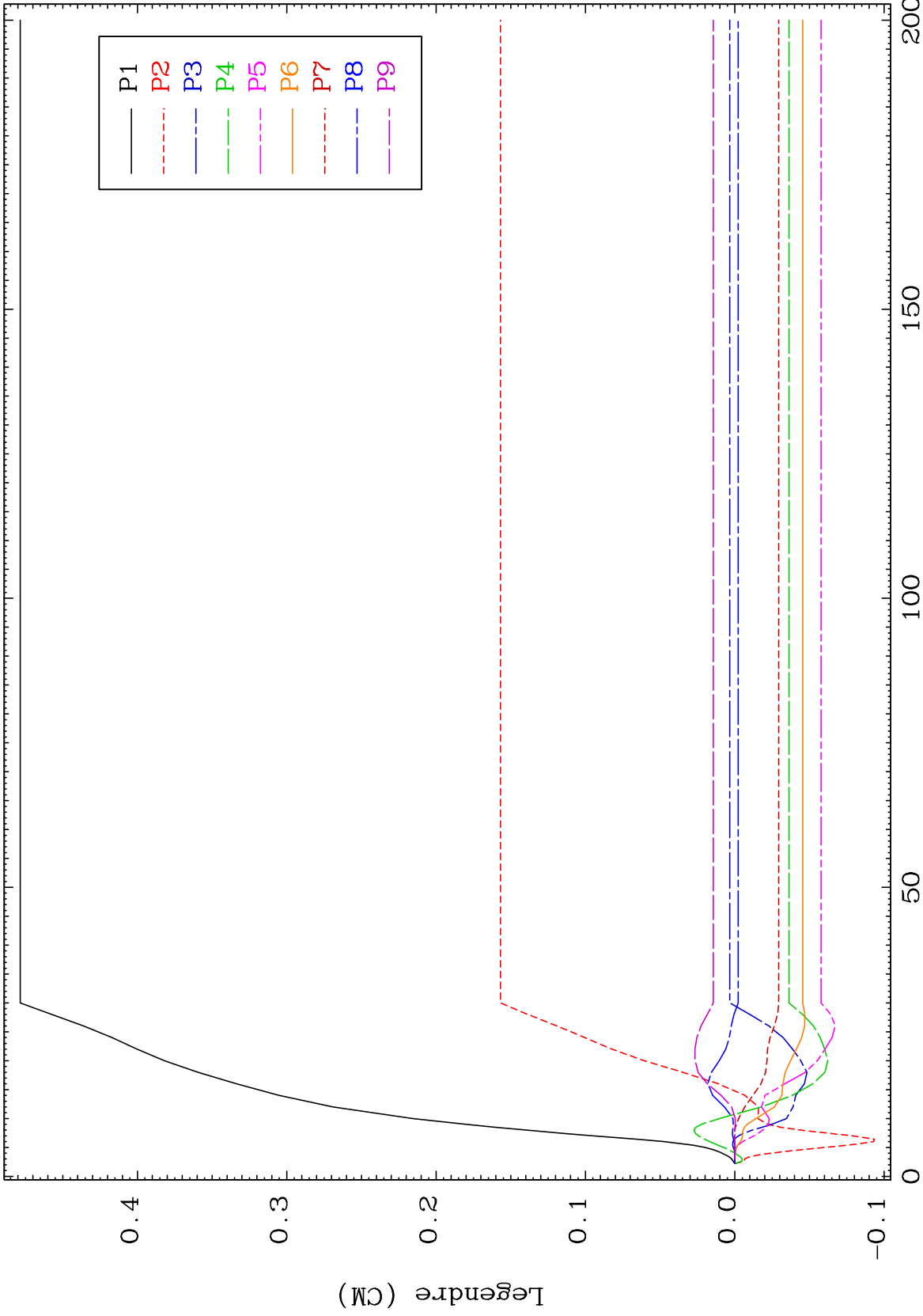


49 66-Dy-150

MAT 6607

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

66-Dy-150



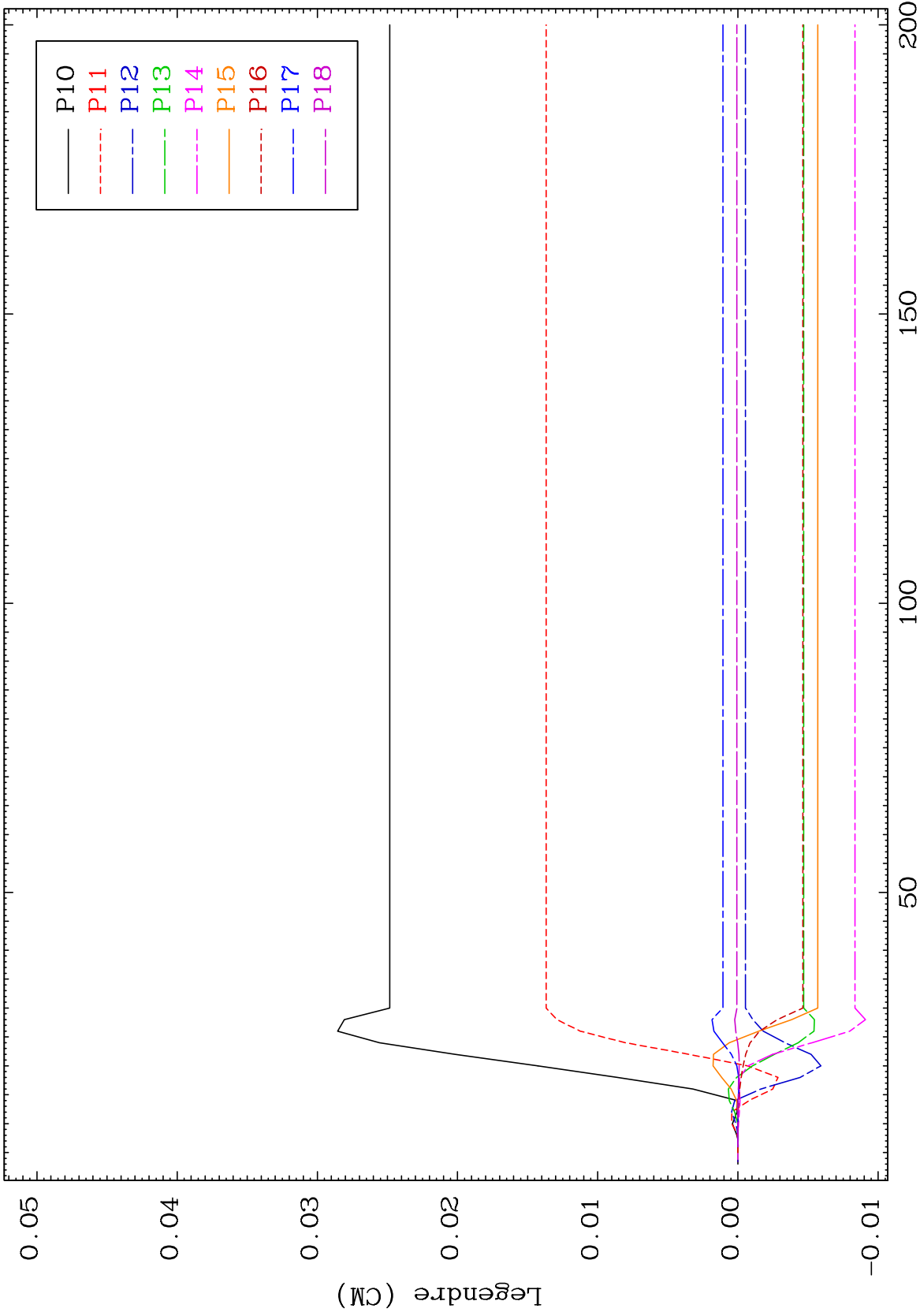
Incident Energy (MeV)

66-Dy-150

MAT 6607

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

66-Dy-150



51

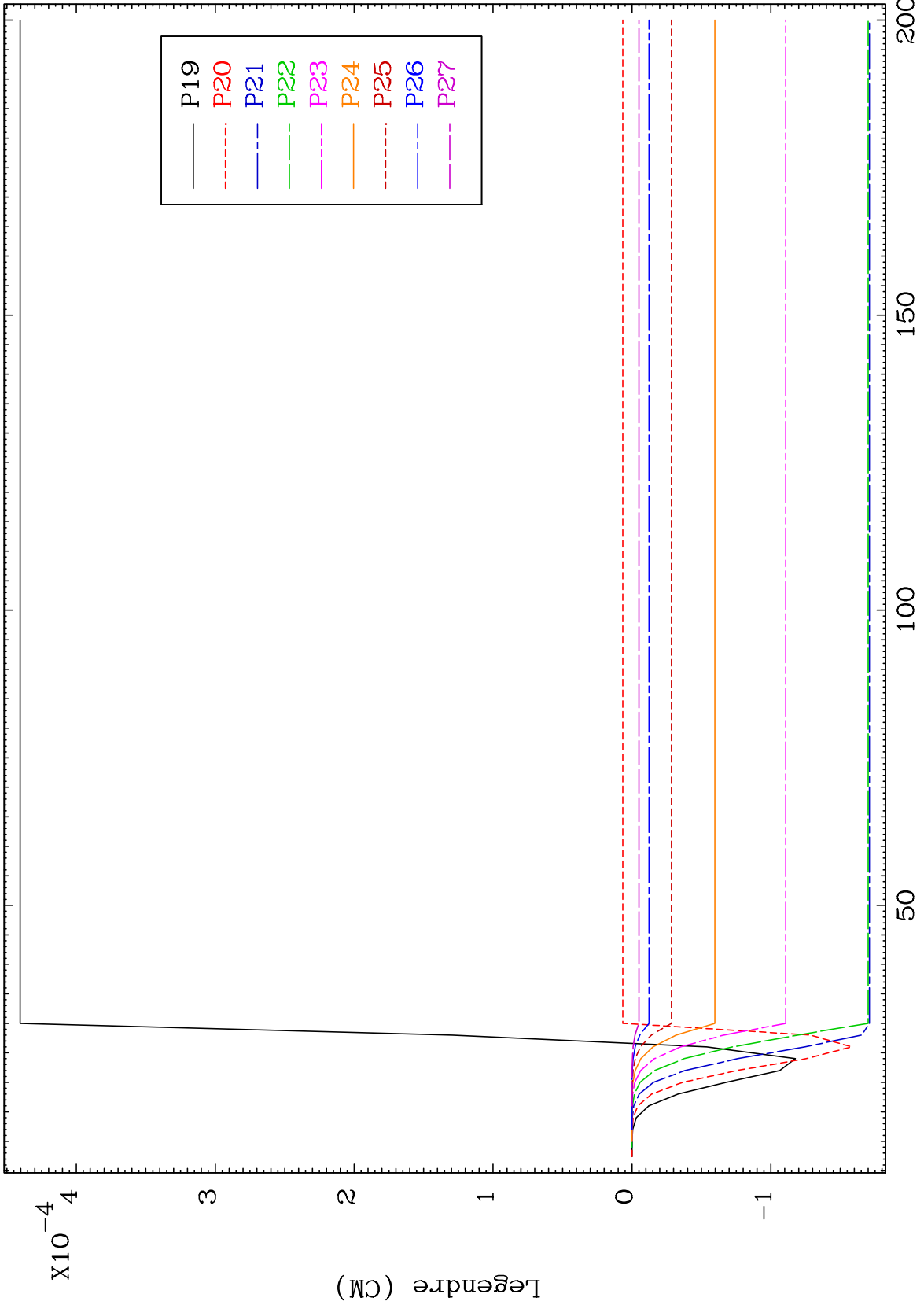
Incident Energy (MeV)

66-Dy-150

MAT 6607

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

66-Dy-150



52

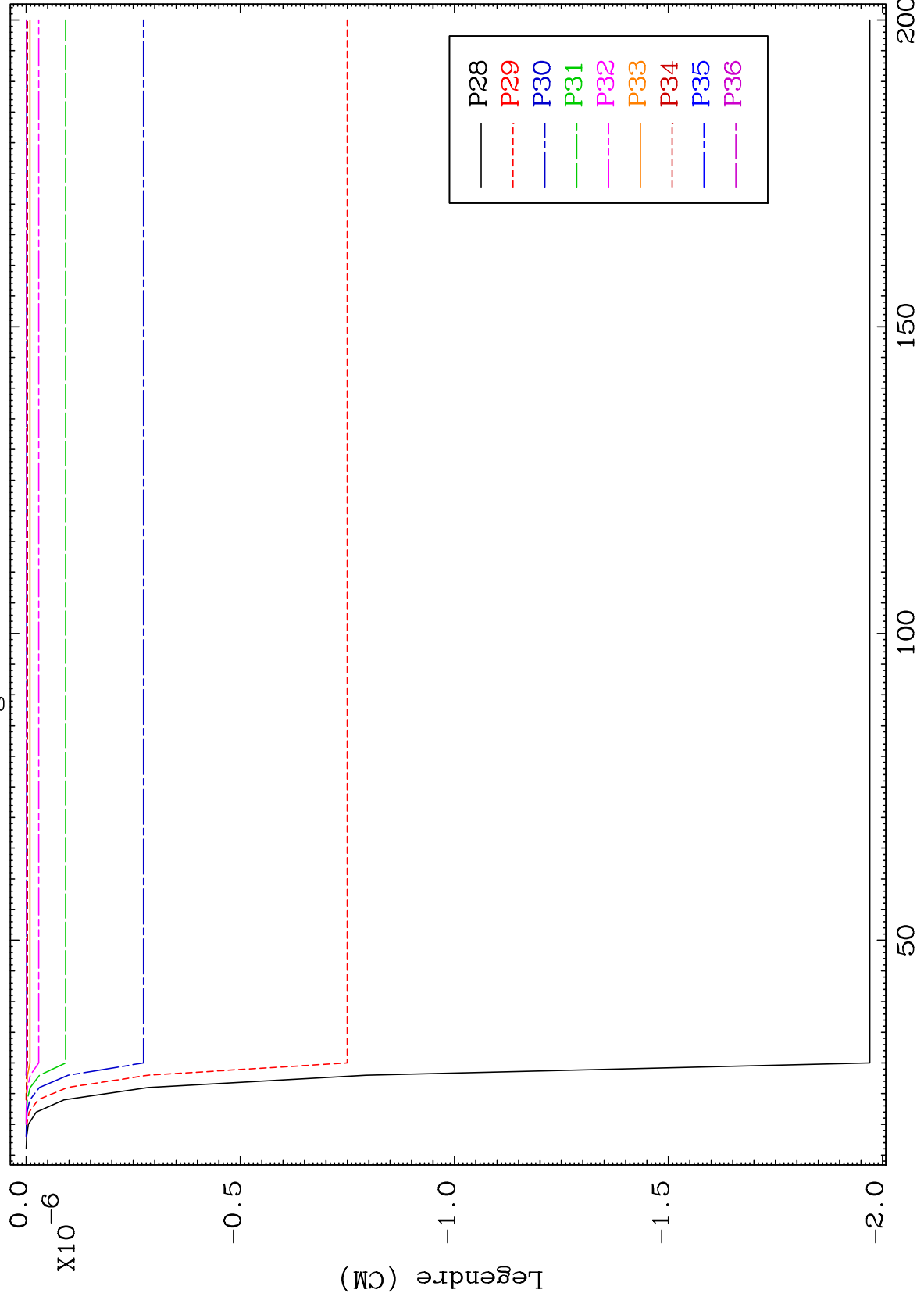
Incident Energy (MeV)

66-Dy-150

MAT 6607

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

66-Dy-150



66-Dy-150

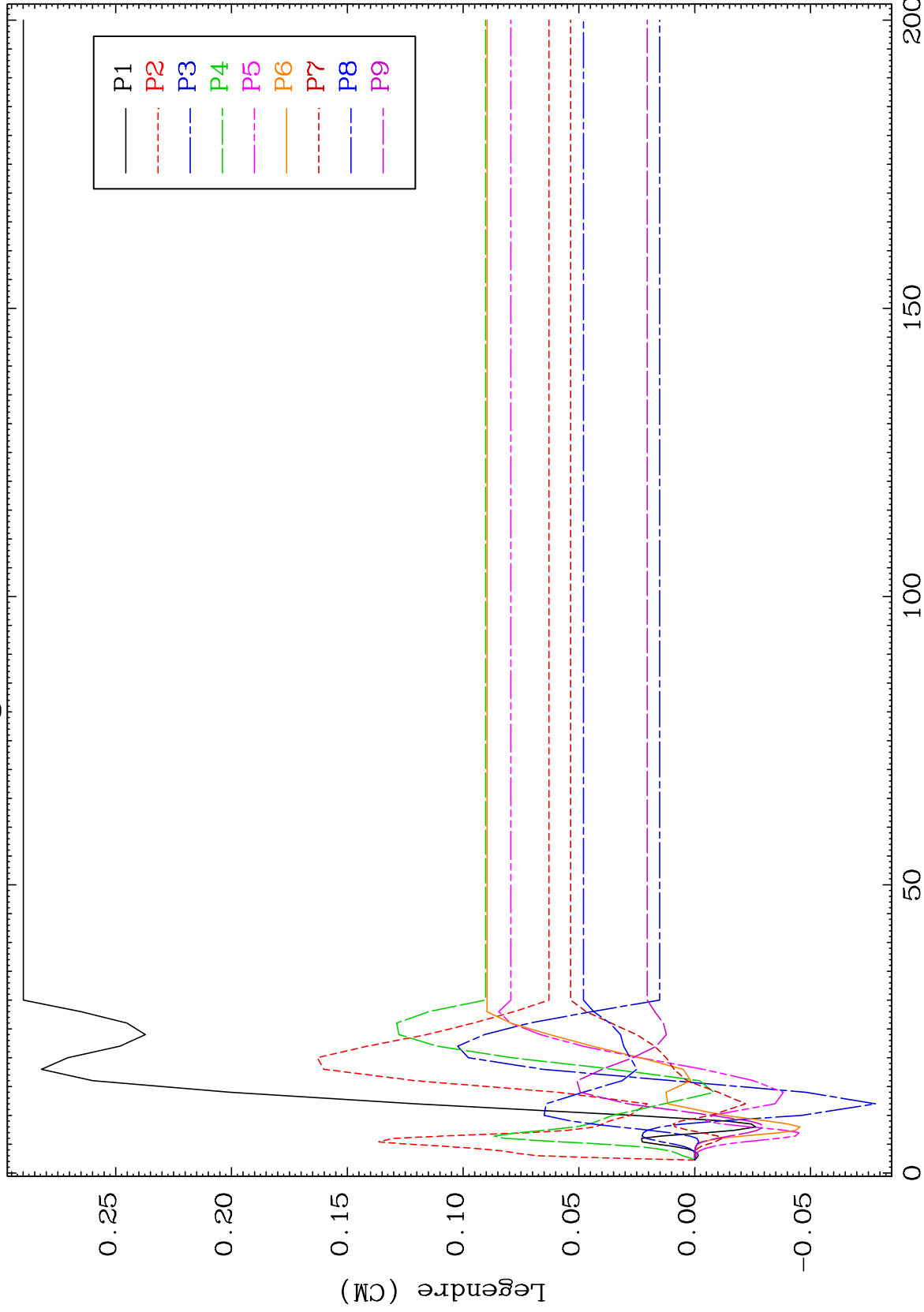
Incident Energy (MeV)

53

MAT 6607

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

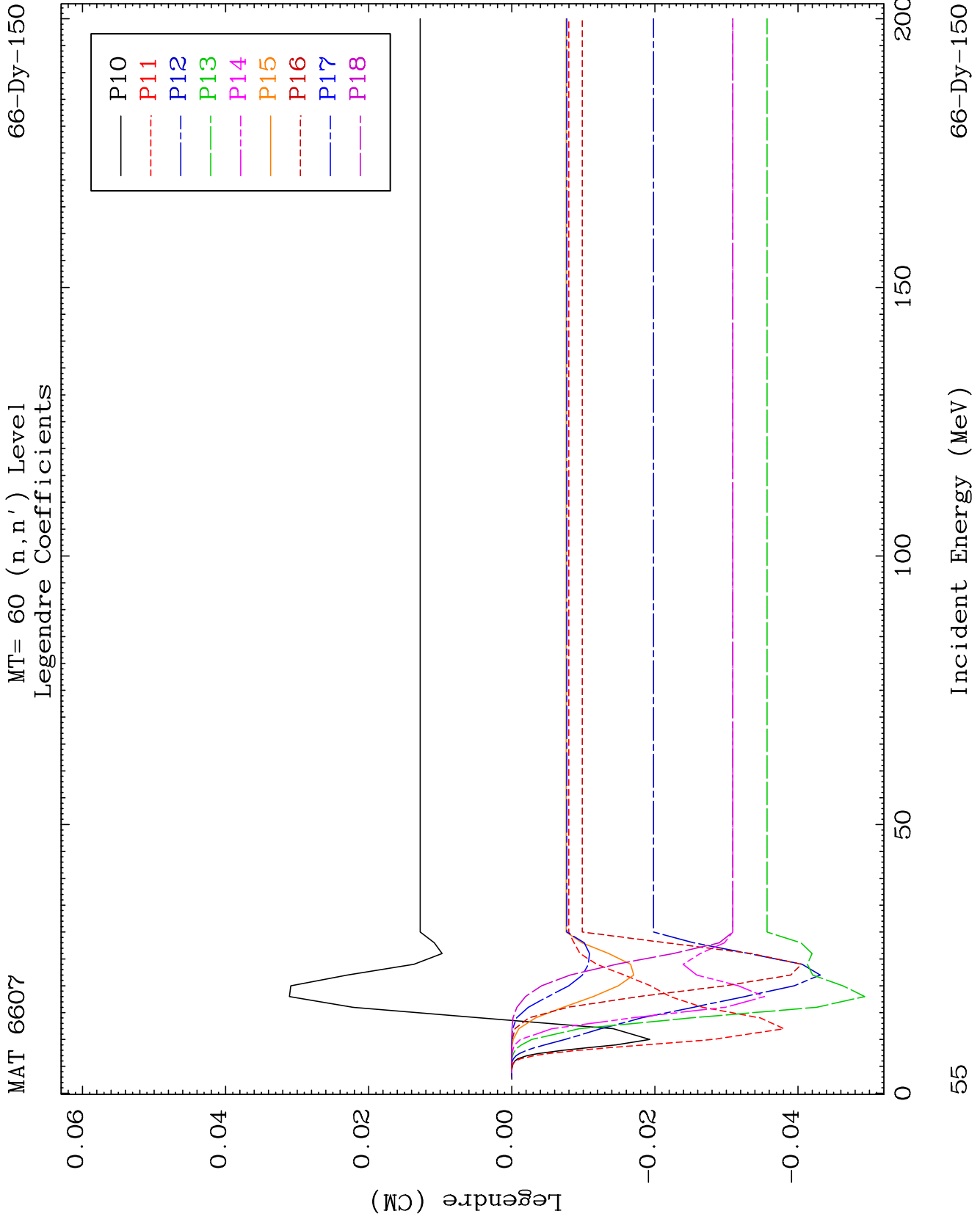
66-Dy-150



54

Incident Energy (MeV)

66-Dy-150

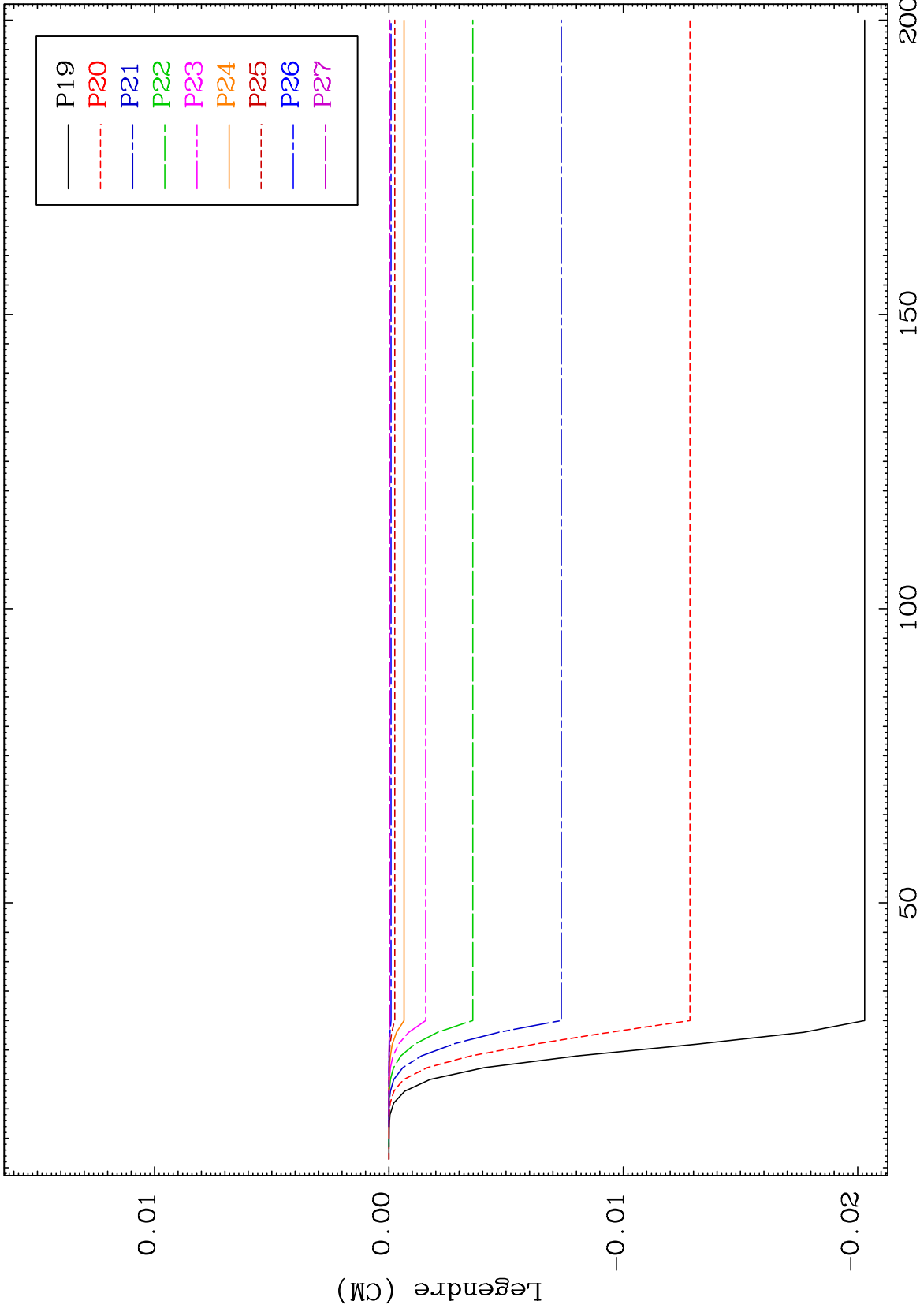




MAT 6607

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

66-Dy-150



56

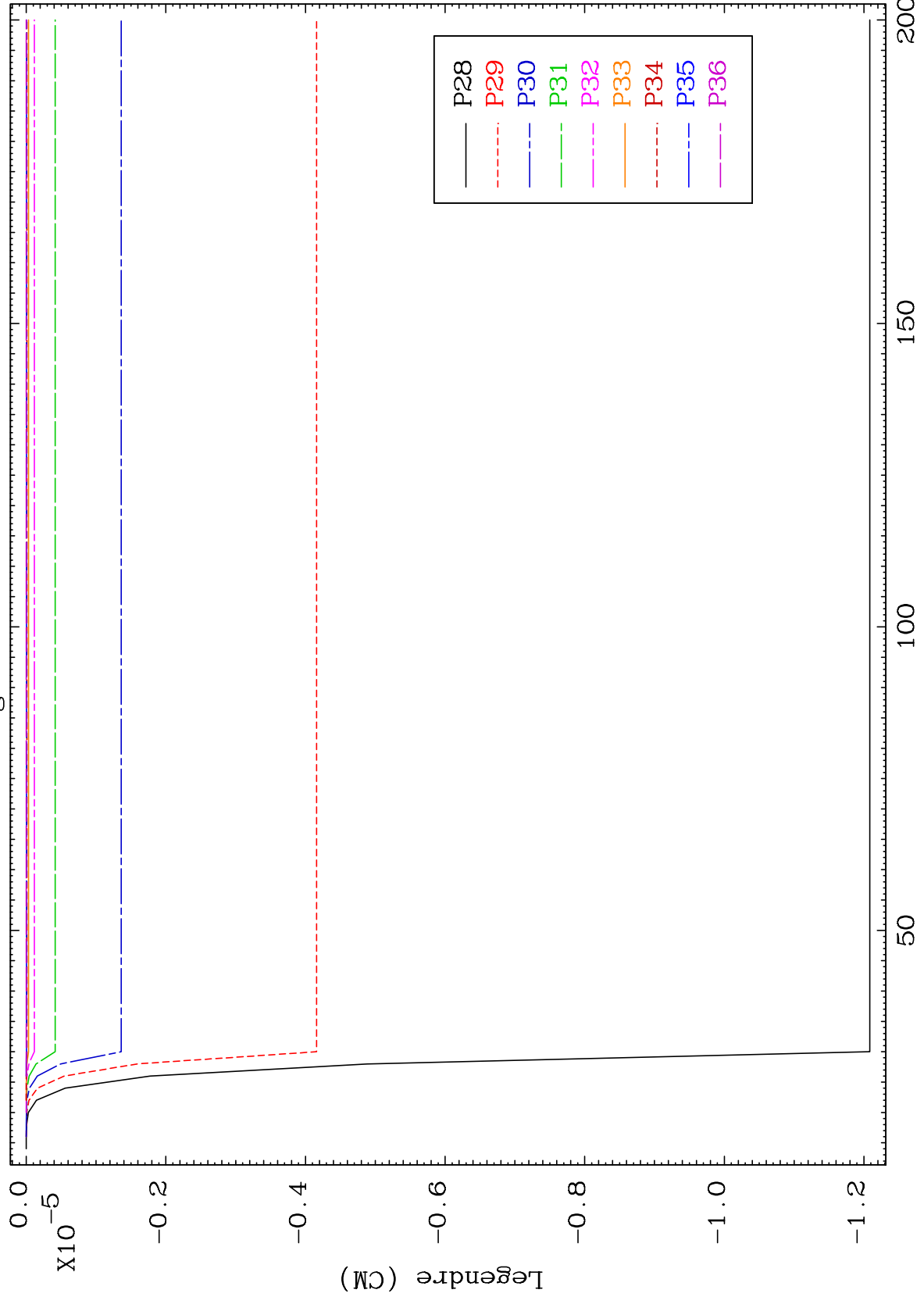
Incident Energy (MeV)

66-Dy-150

MAT 6607

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

66-Dy-150



66-Dy-150

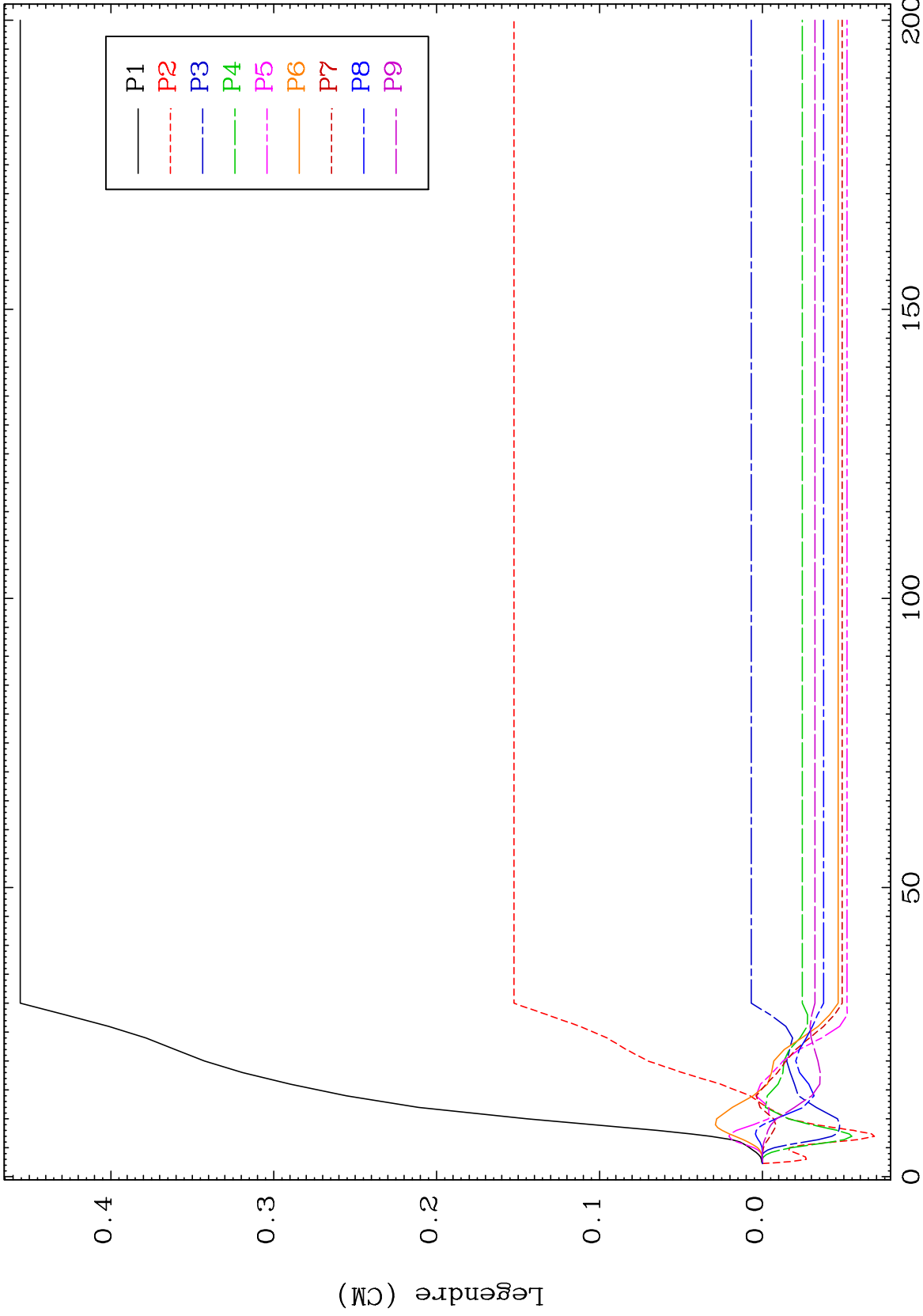
Incident Energy (MeV)

57

MAT 6607

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

66-Dy-150



58

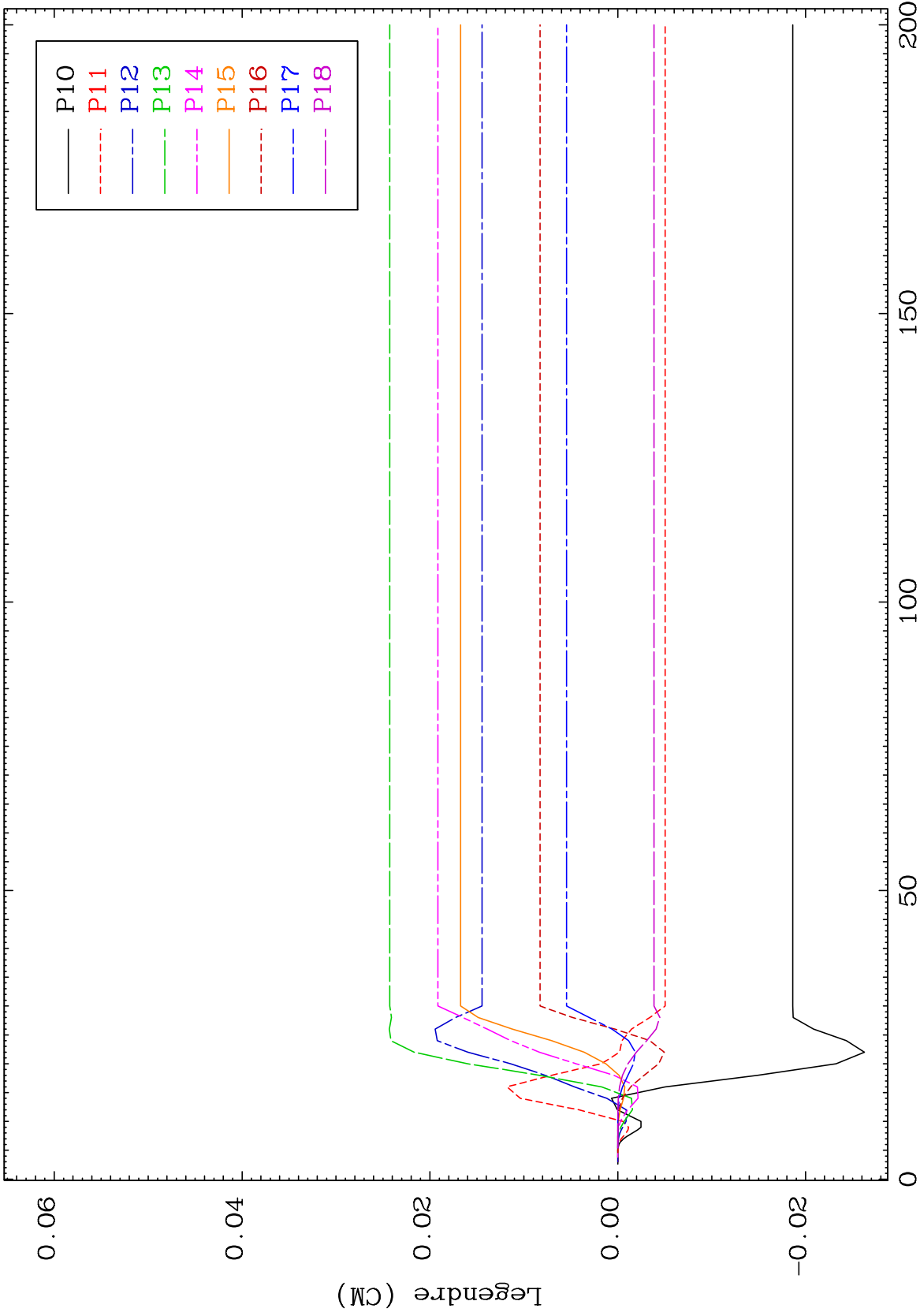
Incident Energy (MeV)

66-Dy-150

MAT 6607

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

66-Dy-150



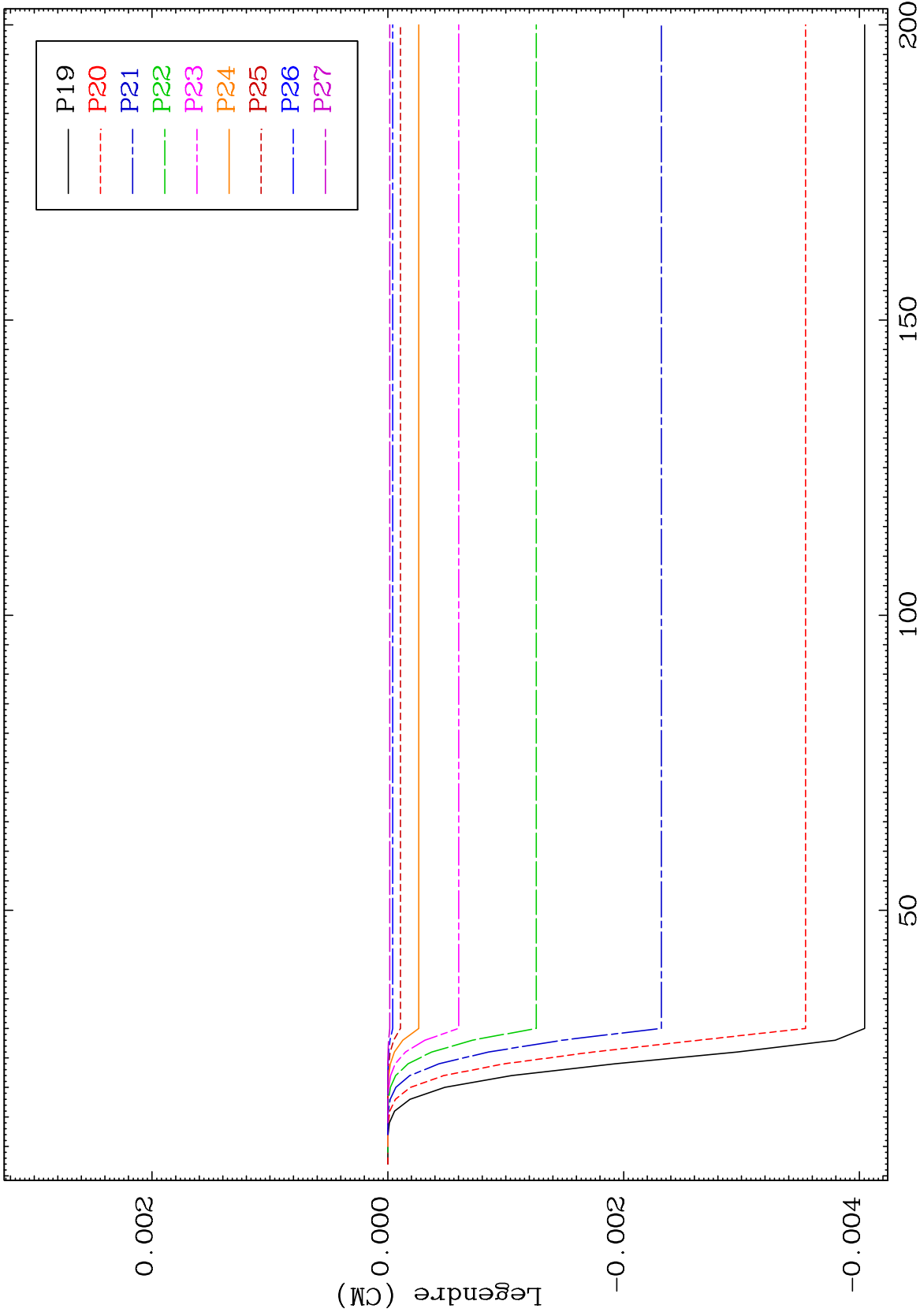
59

66-Dy-150

MAT 6607

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

66-Dy-150



60

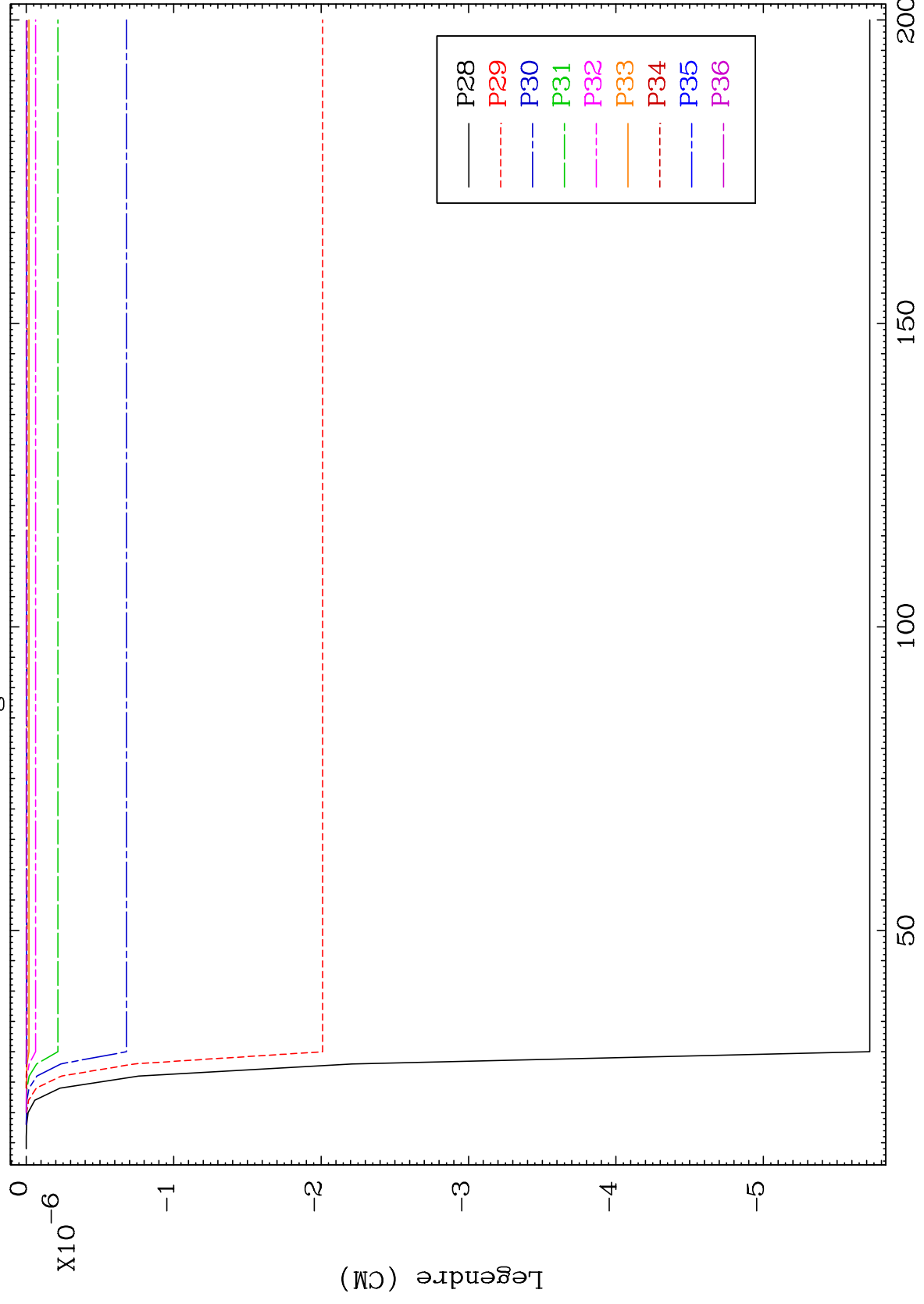
Incident Energy (MeV)

66-Dy-150

MAT 6607

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

66-Dy-150



66-Dy-150

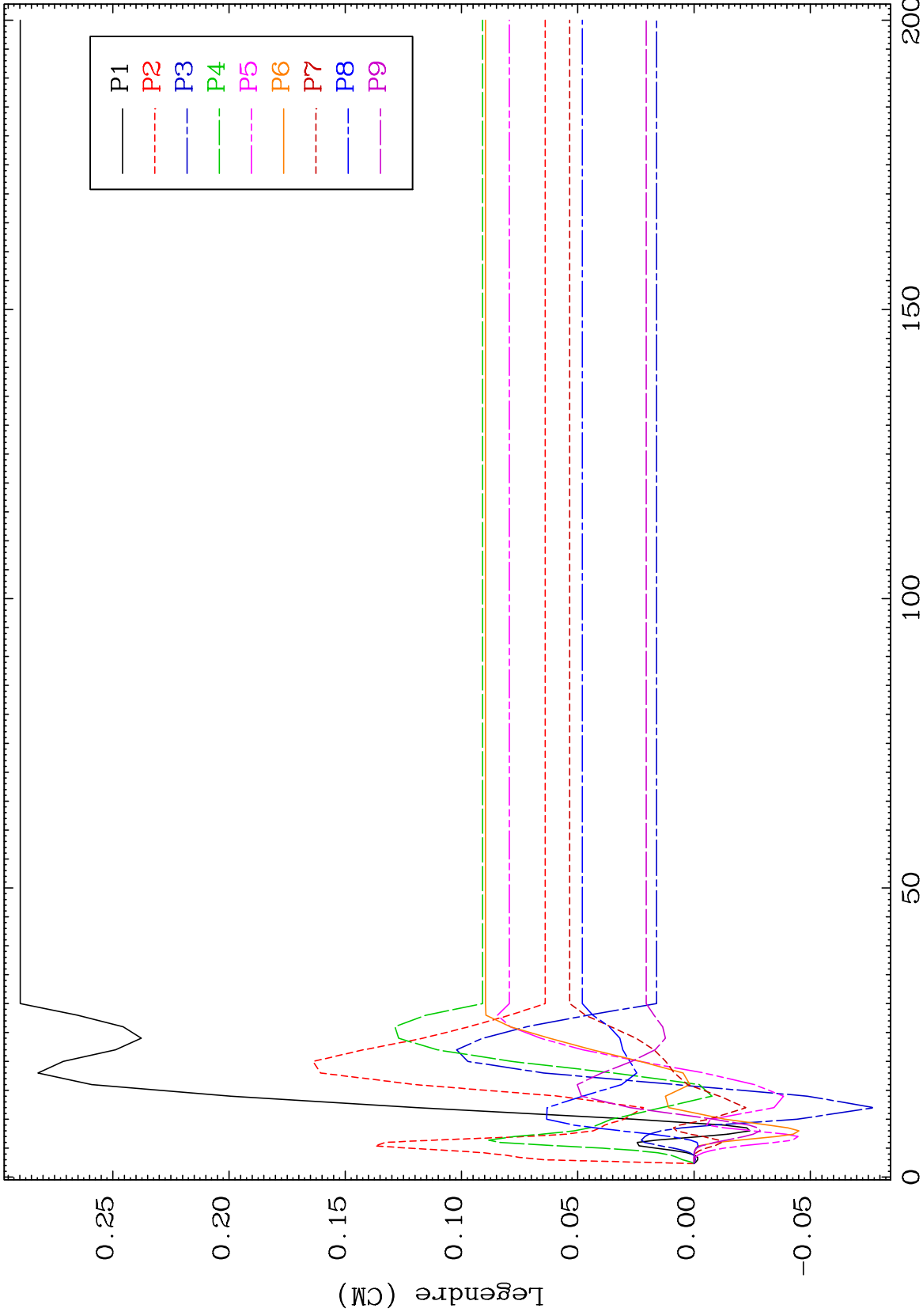
Incident Energy (MeV)

61

MAT 6607

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

66-Dy-150

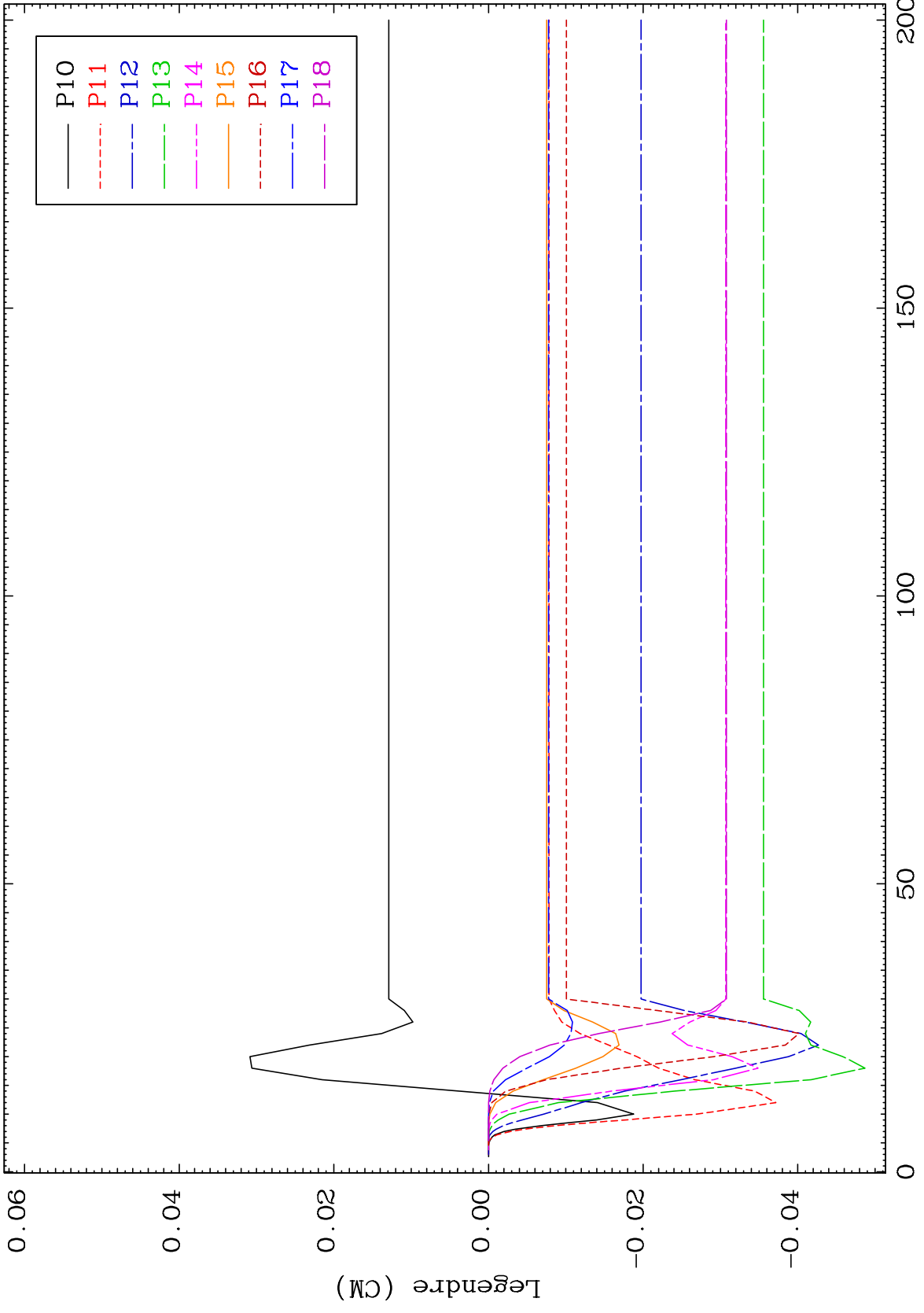


62

Incident Energy (MeV)

66-Dy-150

MAT 6607 MT= 62 (n,n') Level Legendre Coefficients 66-Dy-150



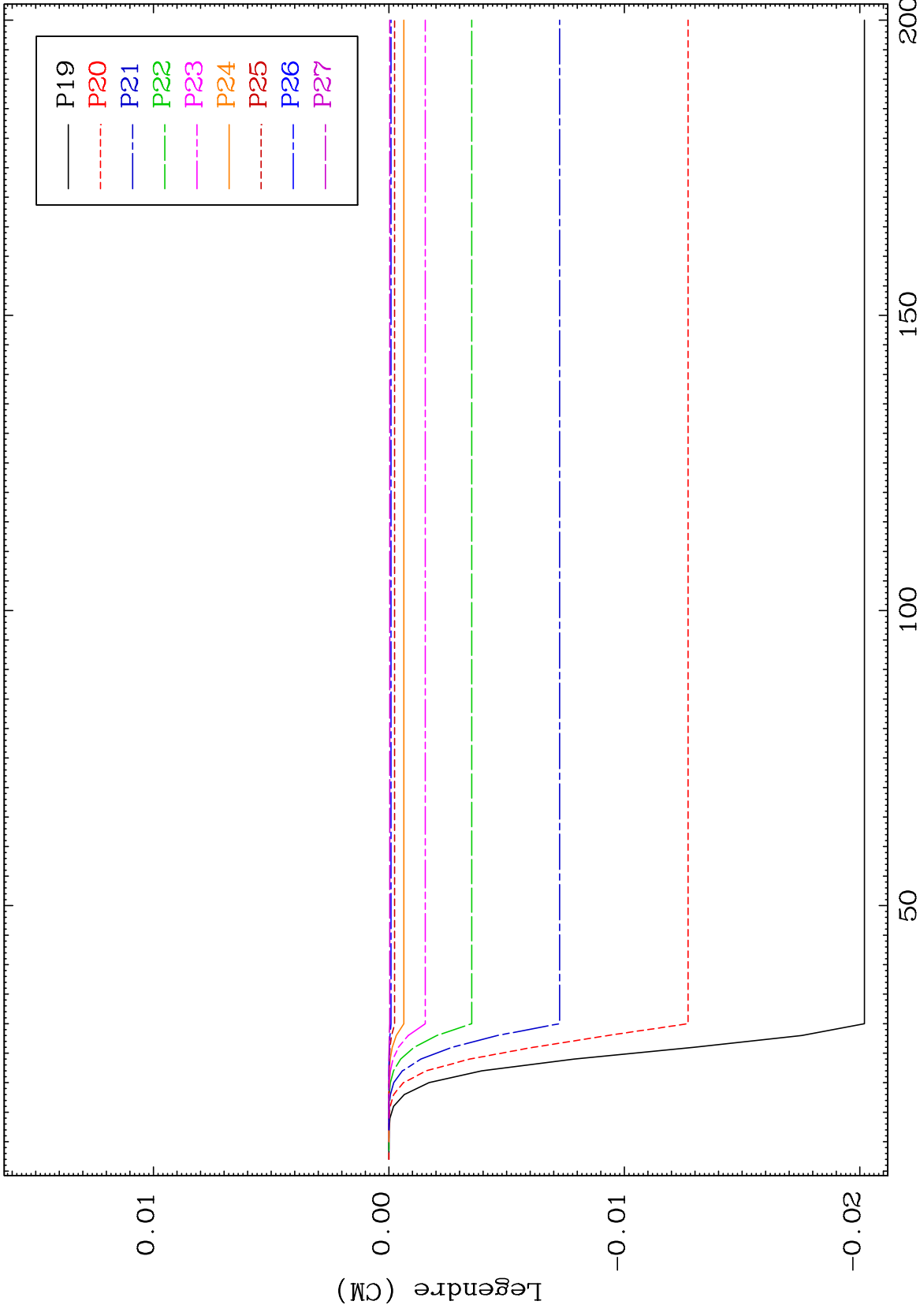
63 66-Dy-150



MAT 6607

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

66-Dy-150

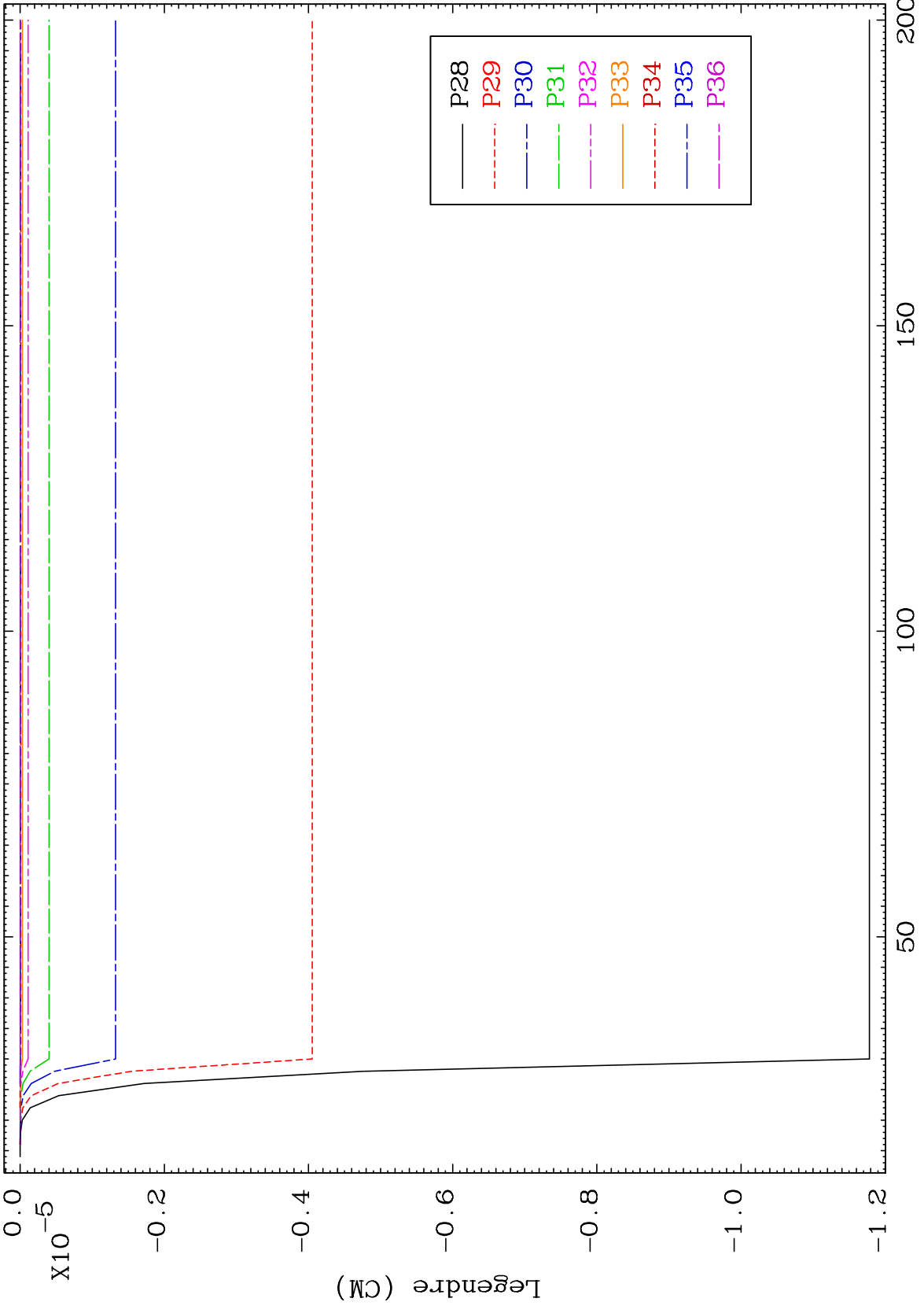


64

Incident Energy (MeV)

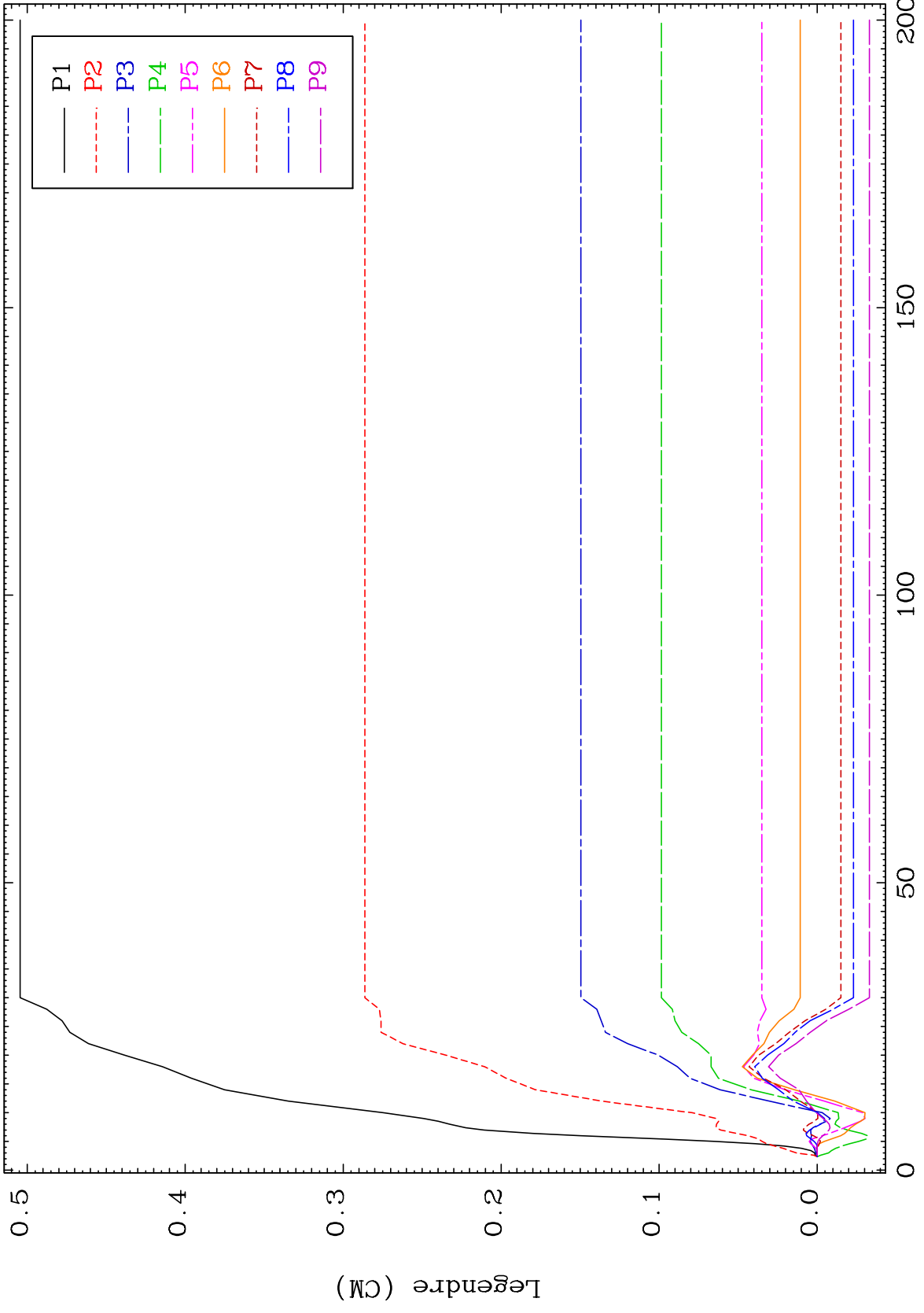
66-Dy-150

MAT 6607 MT= 62 (n,n') Level Legendre Coefficients 66-Dy-150



65 Incident Energy (MeV) 66-Dy-150

MAT 6607 MT= 63 (n,n') Level Legendre Coefficients 66-Dy-150

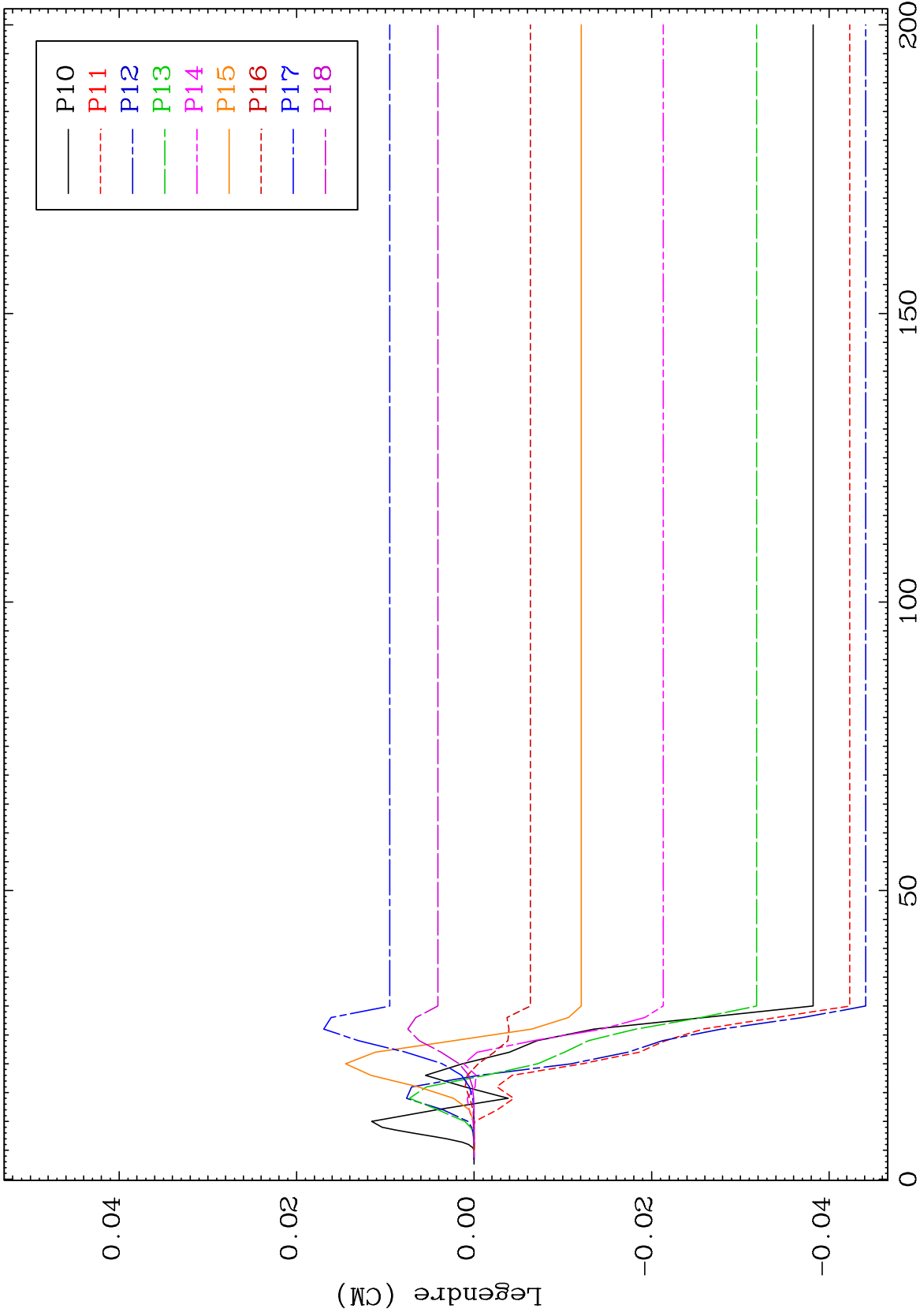


66 66-Dy-150

MAT 6607

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

66-Dy-150



67

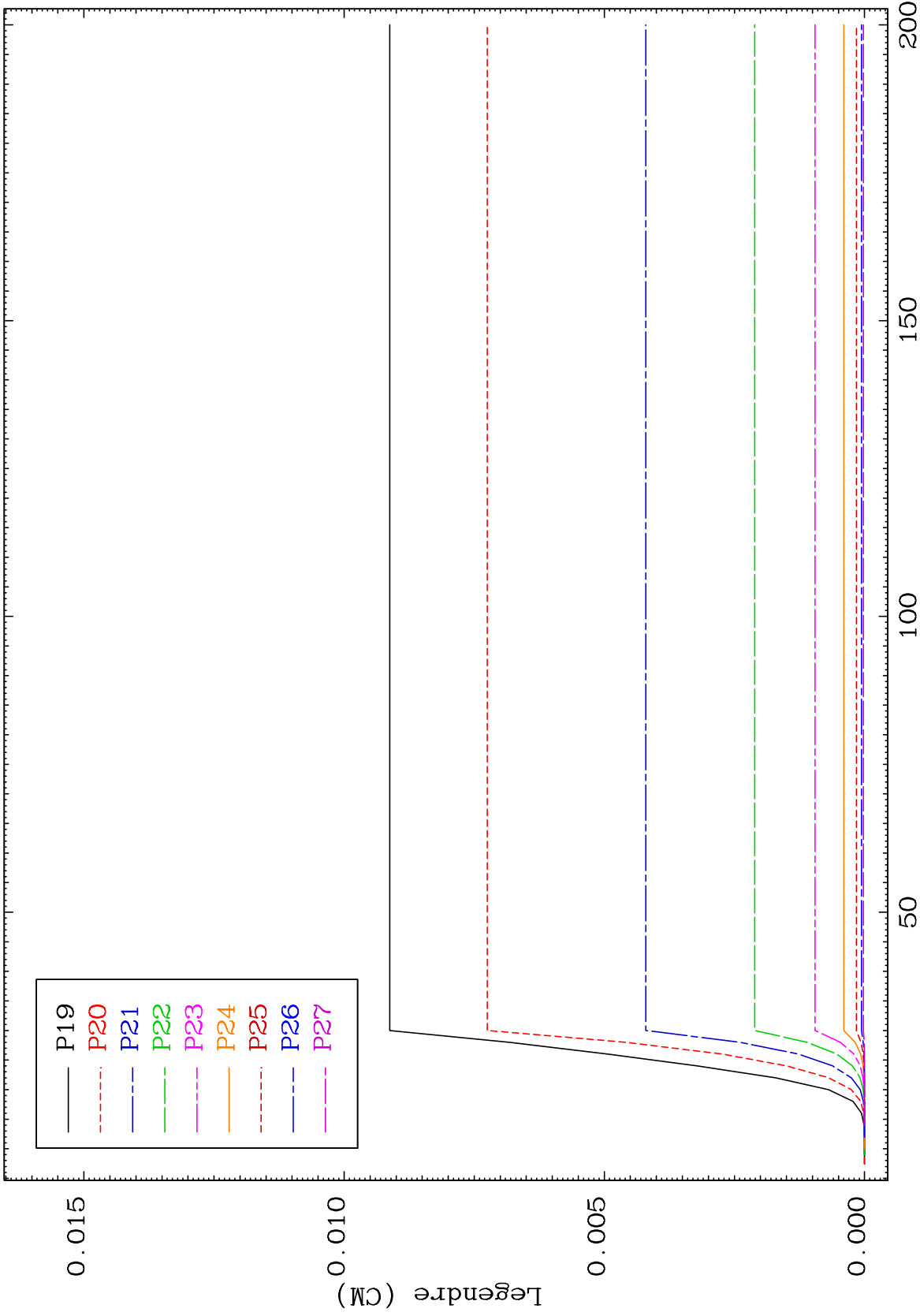
Incident Energy (MeV)

66-Dy-150

MAT 6607

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

66-Dy-150



68

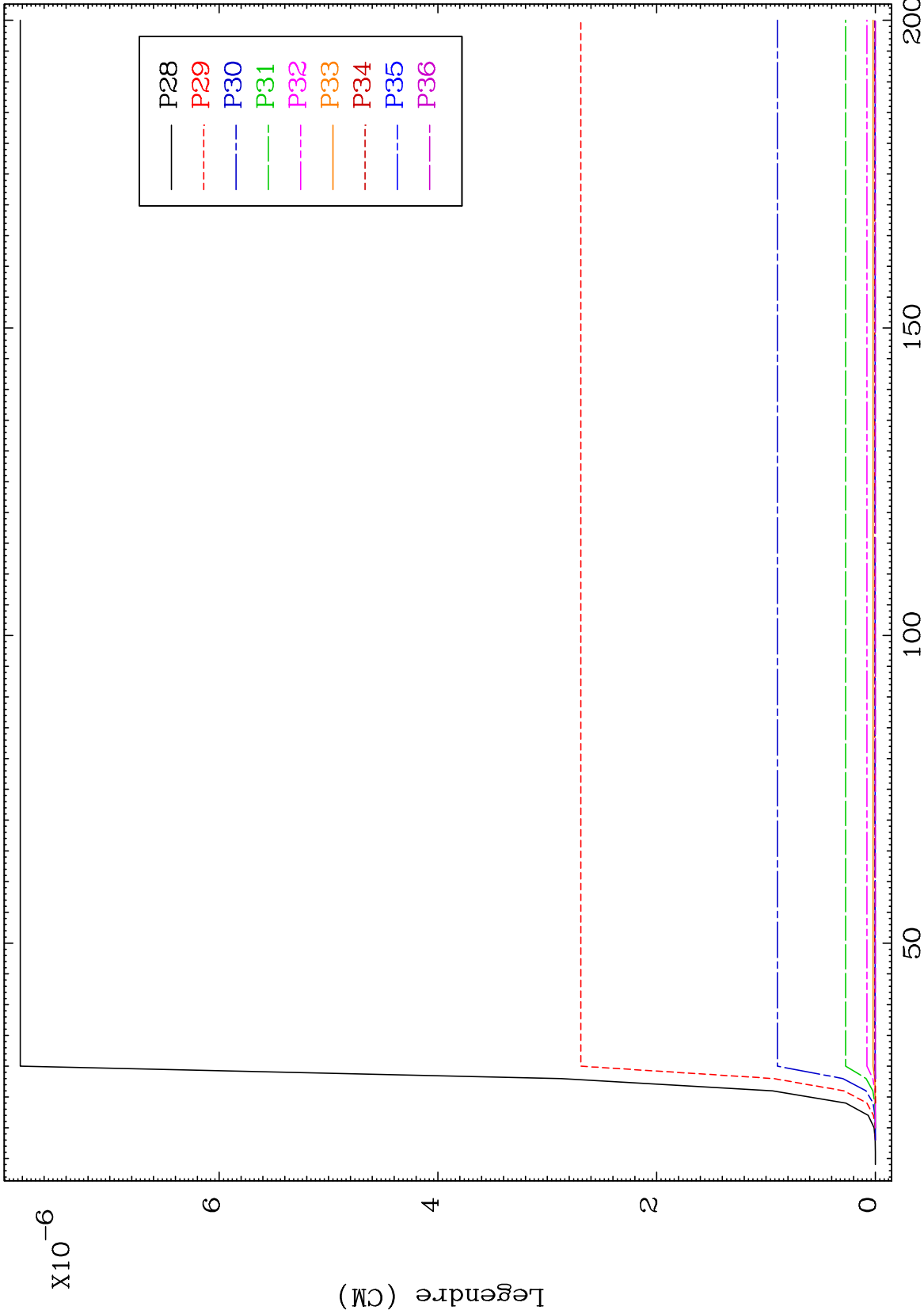
Incident Energy (MeV)

66-Dy-150

MAT 6607

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

66-Dy-150

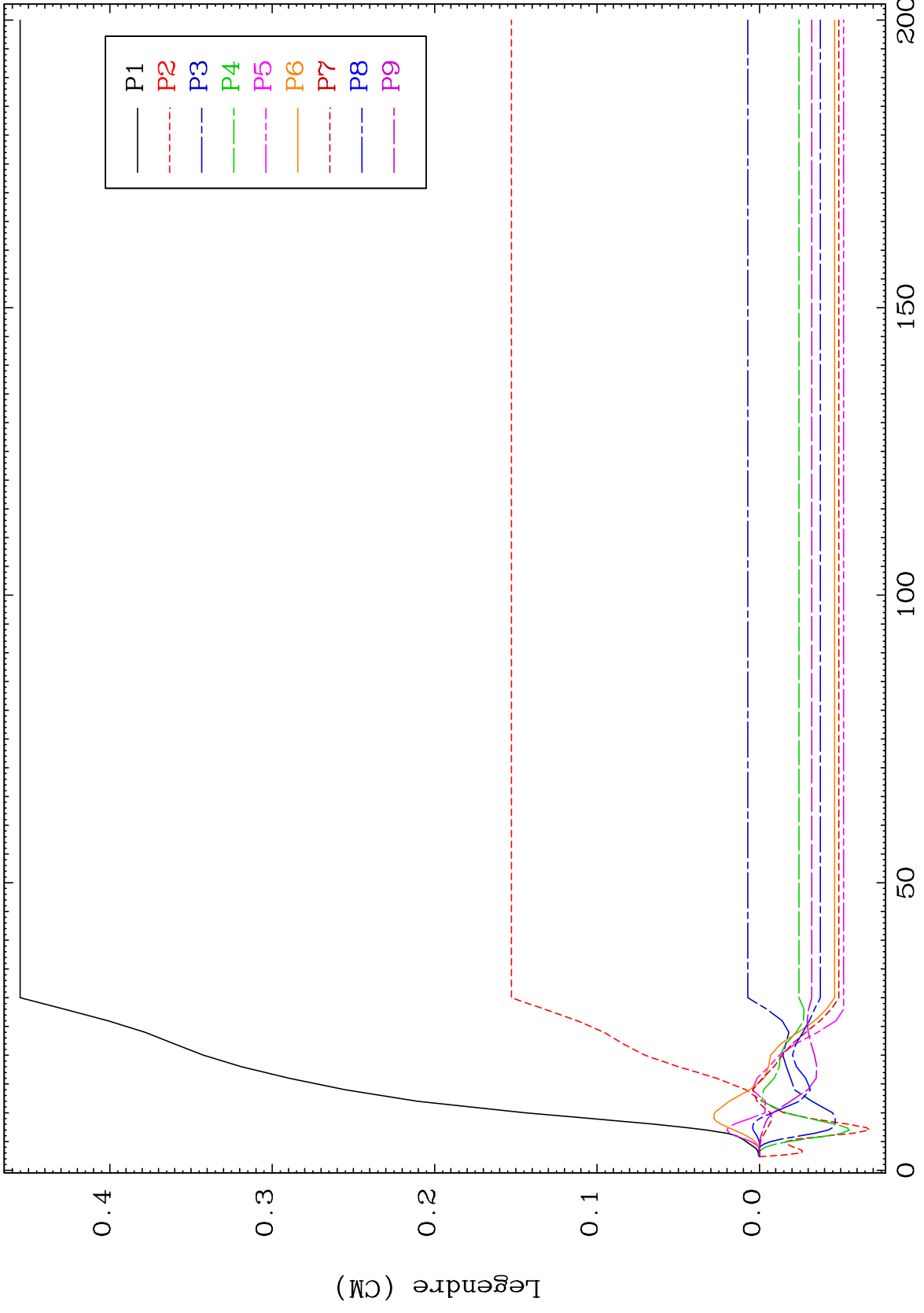


69

Incident Energy (MeV)

66-Dy-150

MAT 6607 MT= 64 (n,n') Level Legendre Coefficients 66-Dy-150

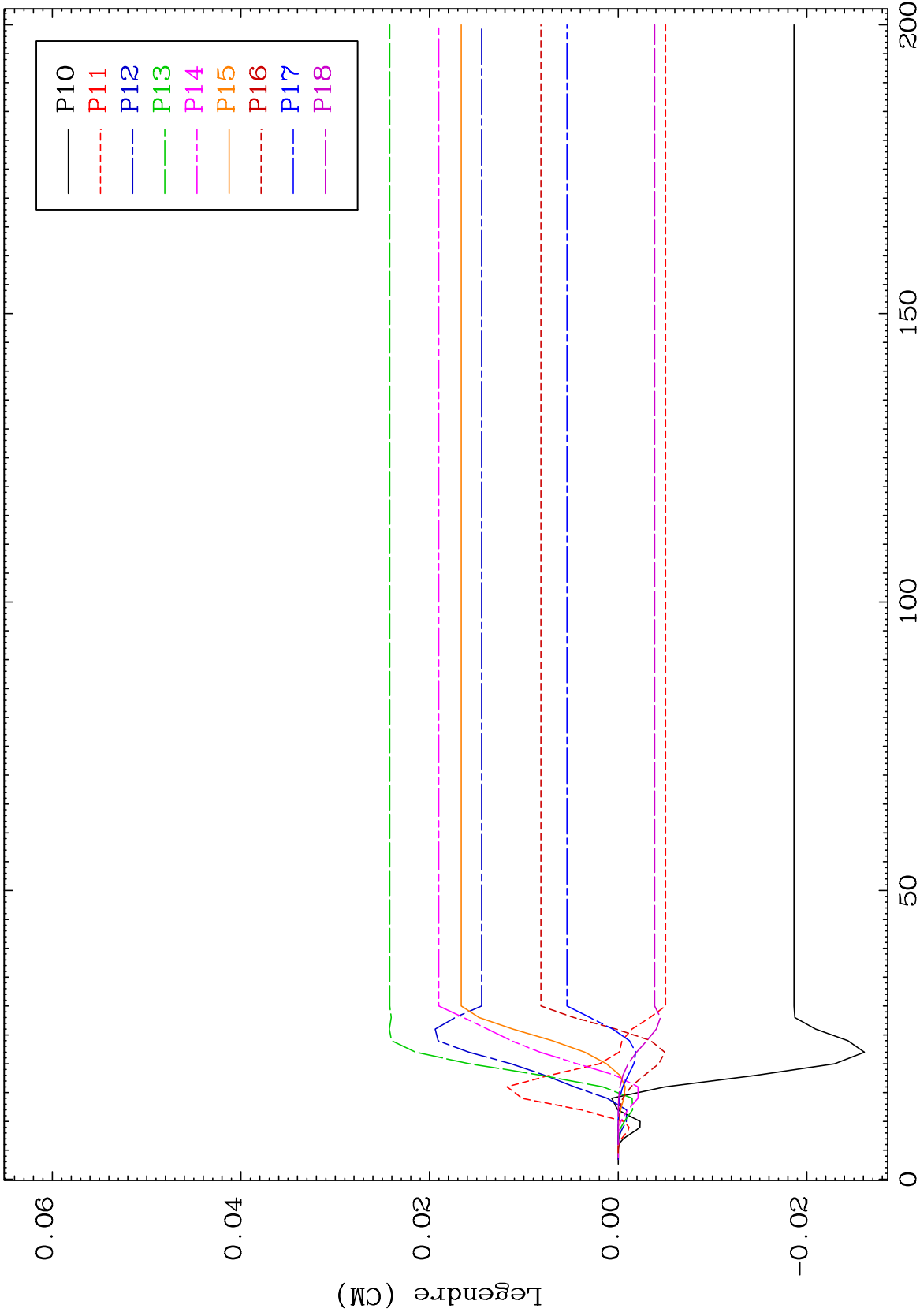


70 Incident Energy (MeV) 66-Dy-150

MAT 6607

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

66-Dy-150



71

Incident Energy (MeV)

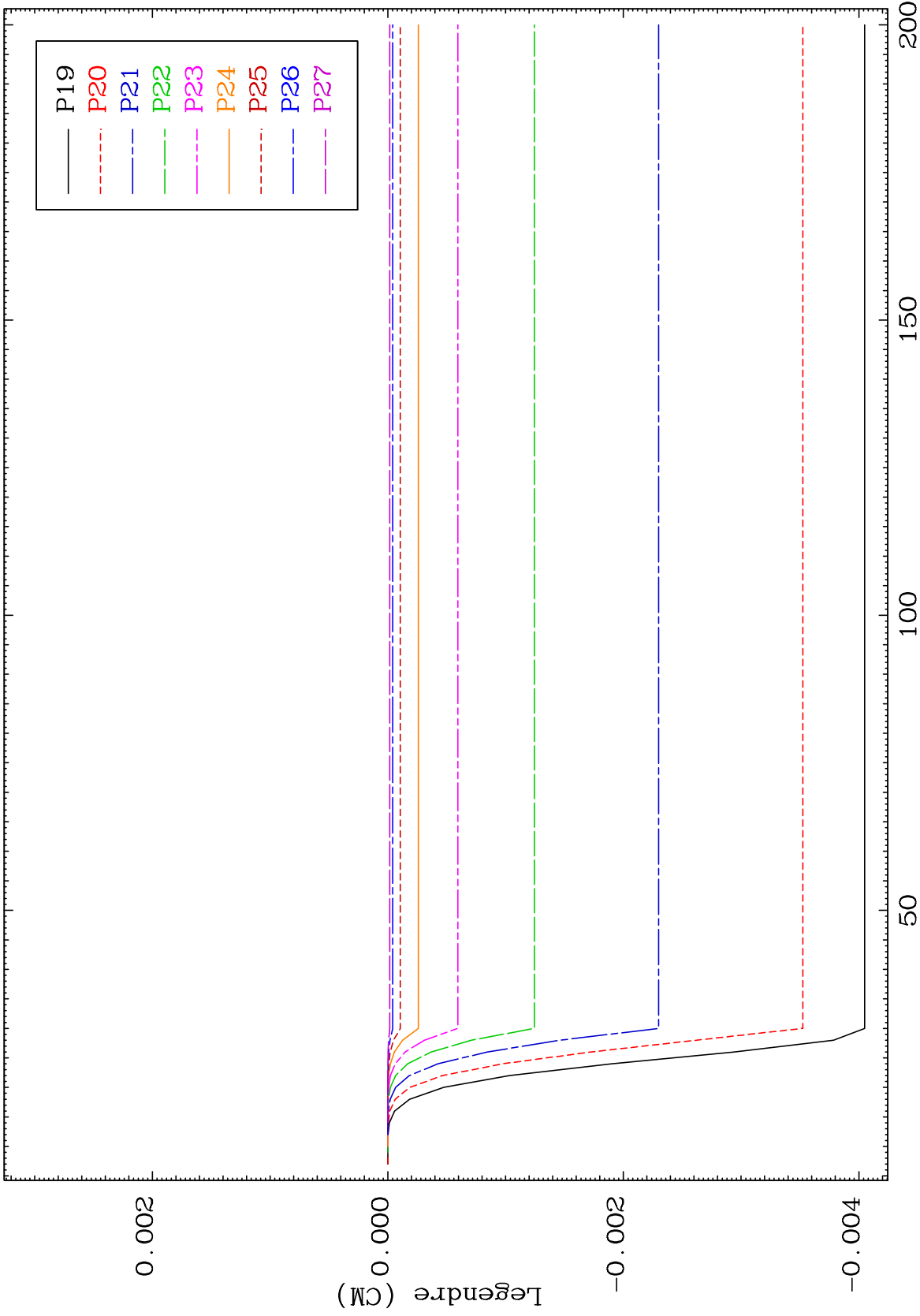
66-Dy-150



MAT 6607

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

66-Dy-150



72

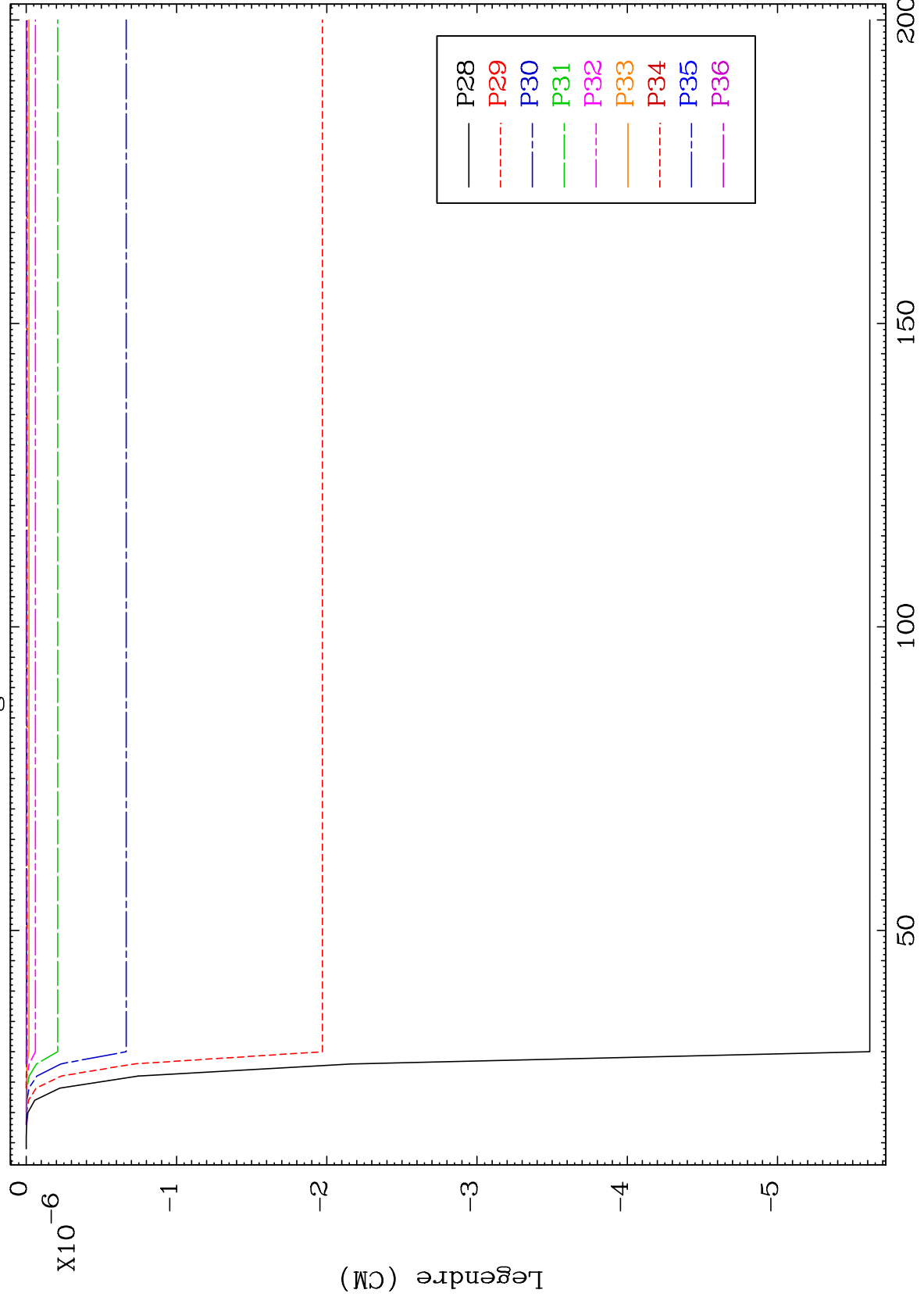
Incident Energy (MeV)

66-Dy-150

MAT 6607

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

66-Dy-150



66-Dy-150

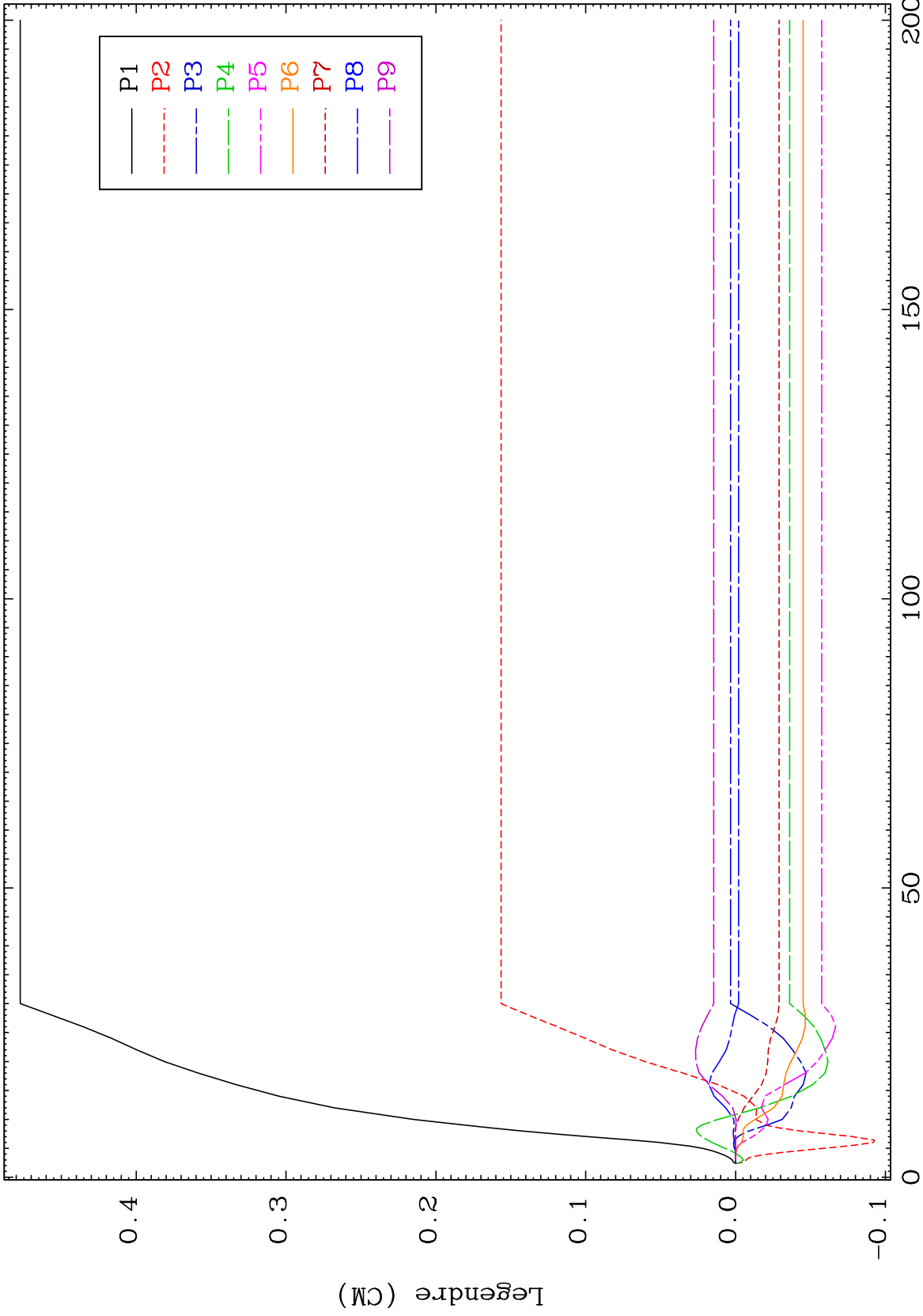
Incident Energy (MeV)

73

MAT 6607

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

66-Dy-150



74

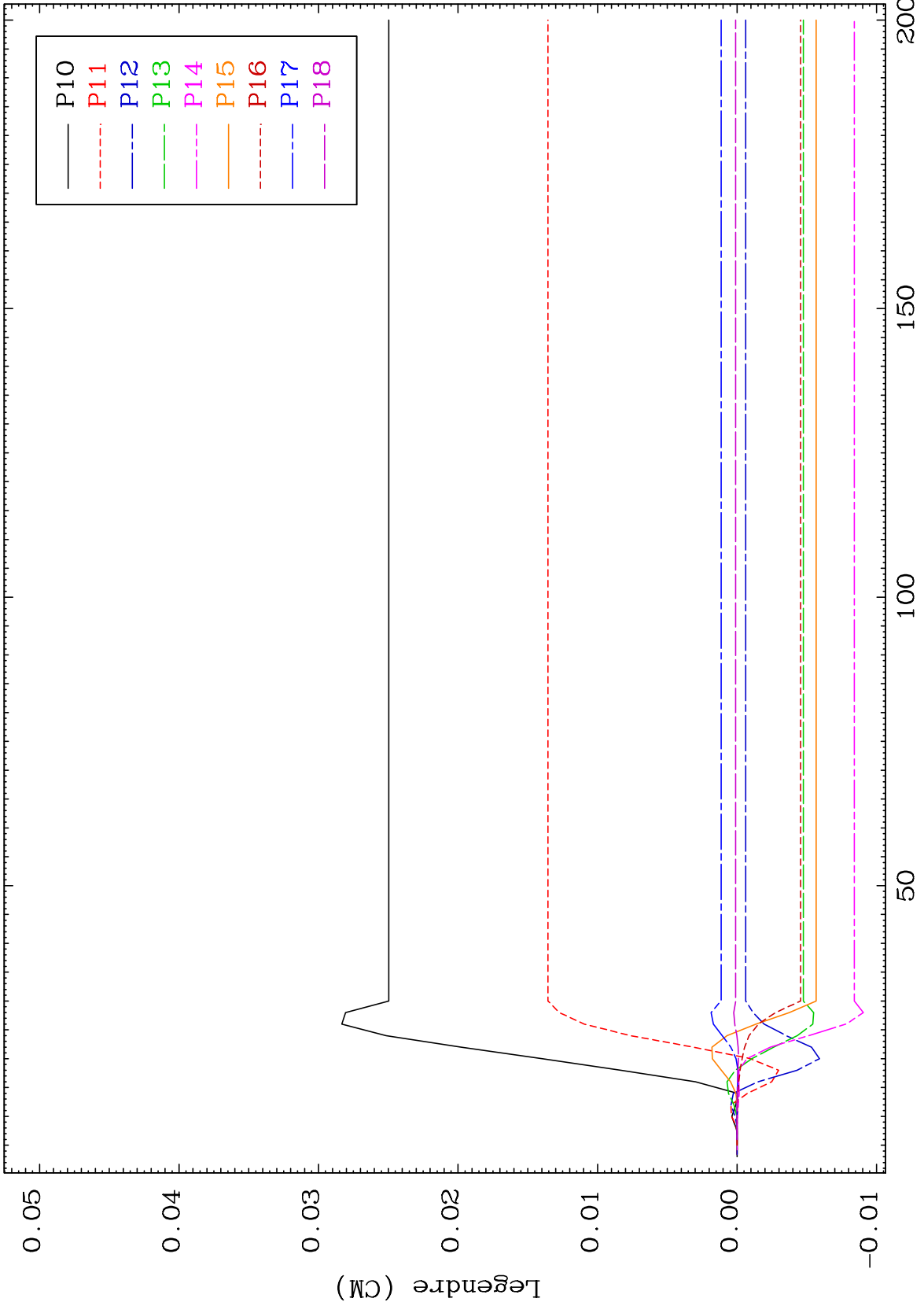
Incident Energy (MeV)

66-Dy-150

MAT 6607

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

66-Dy-150



75

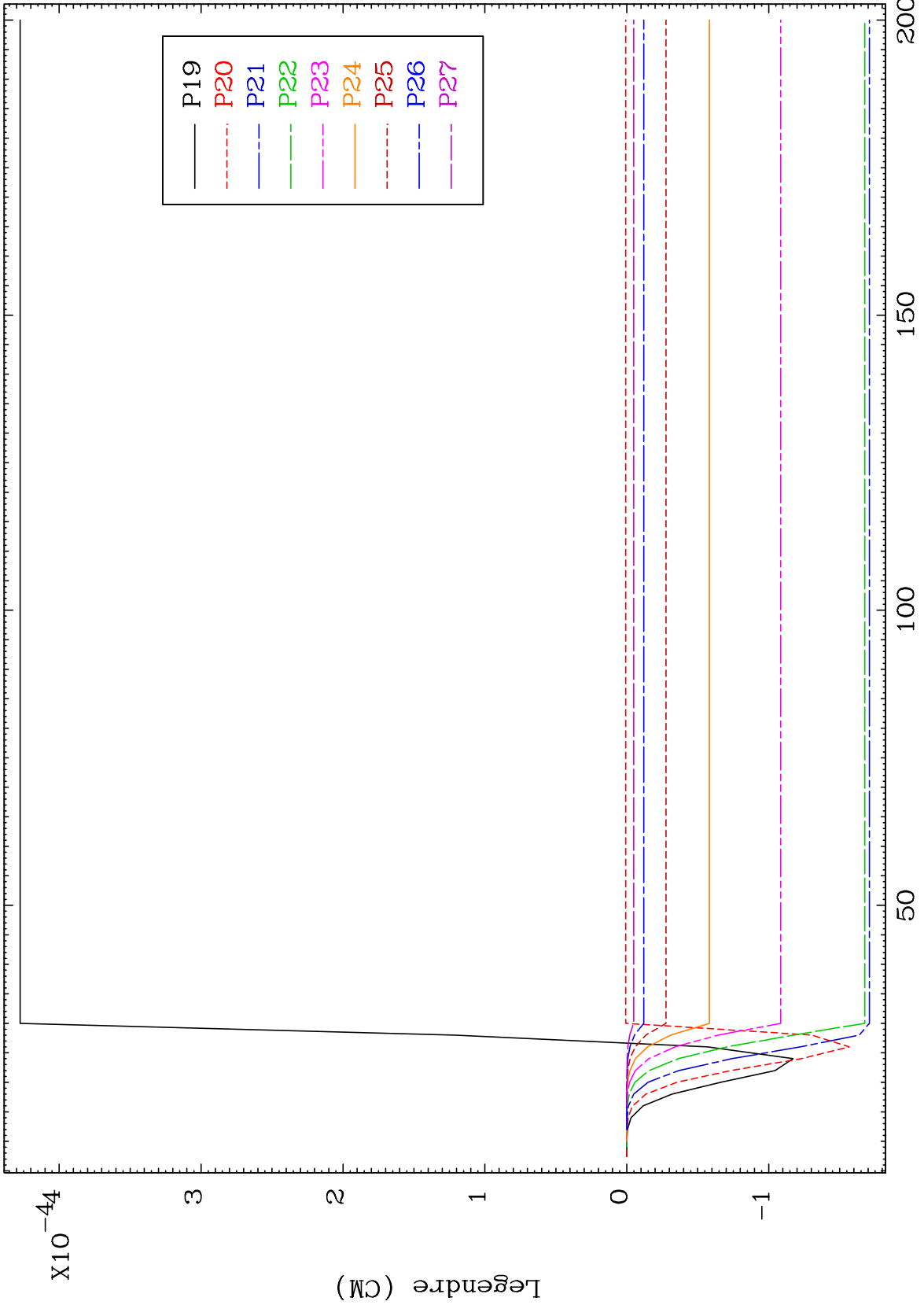
Incident Energy (MeV)

66-Dy-150

MAT 6607

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

66-Dy-150



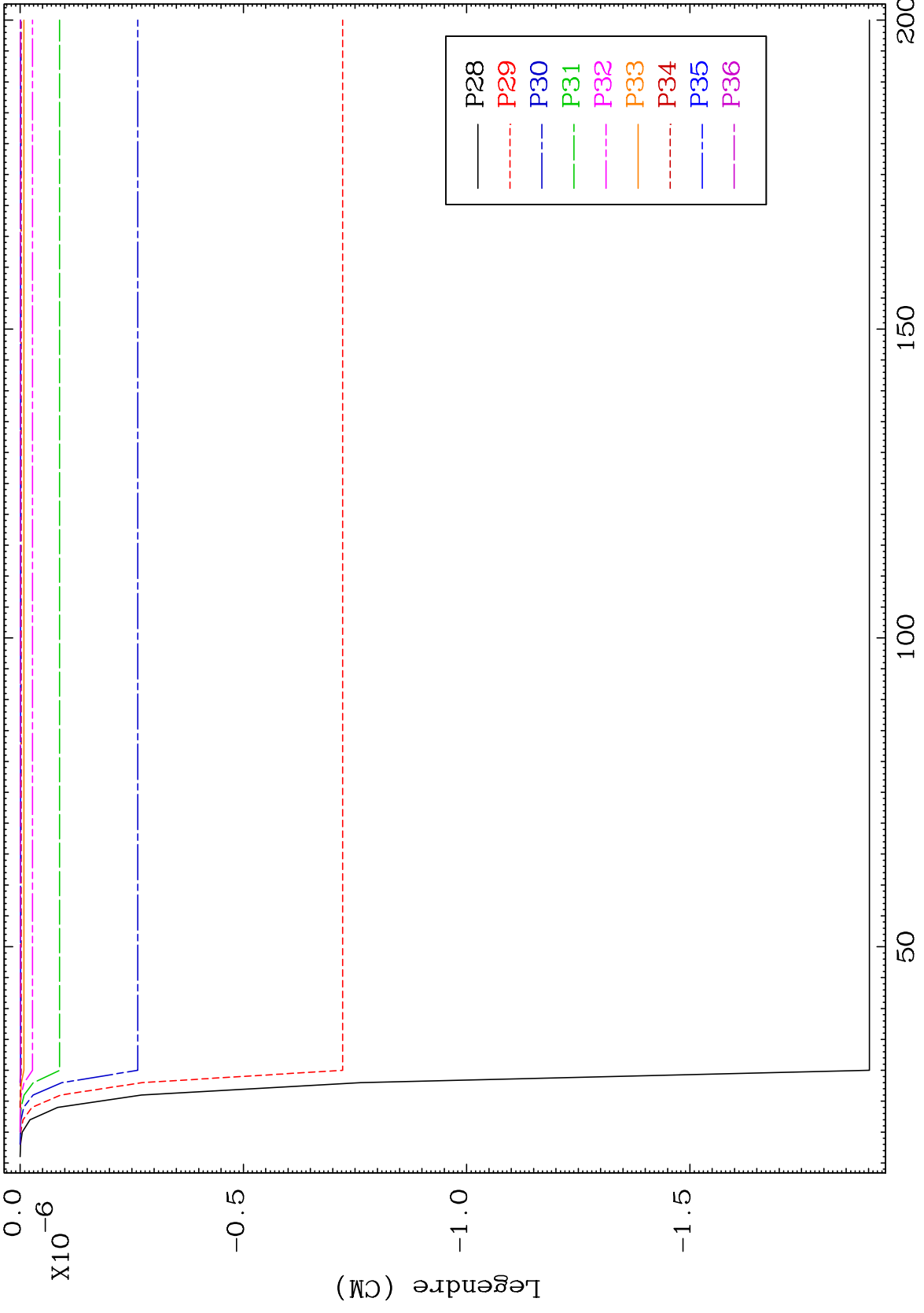
76

Incident Energy (MeV)

66-Dy-150

MAT 6607 MT= 65 (n,n') Level 66-Dy-150

Legendre Coefficients

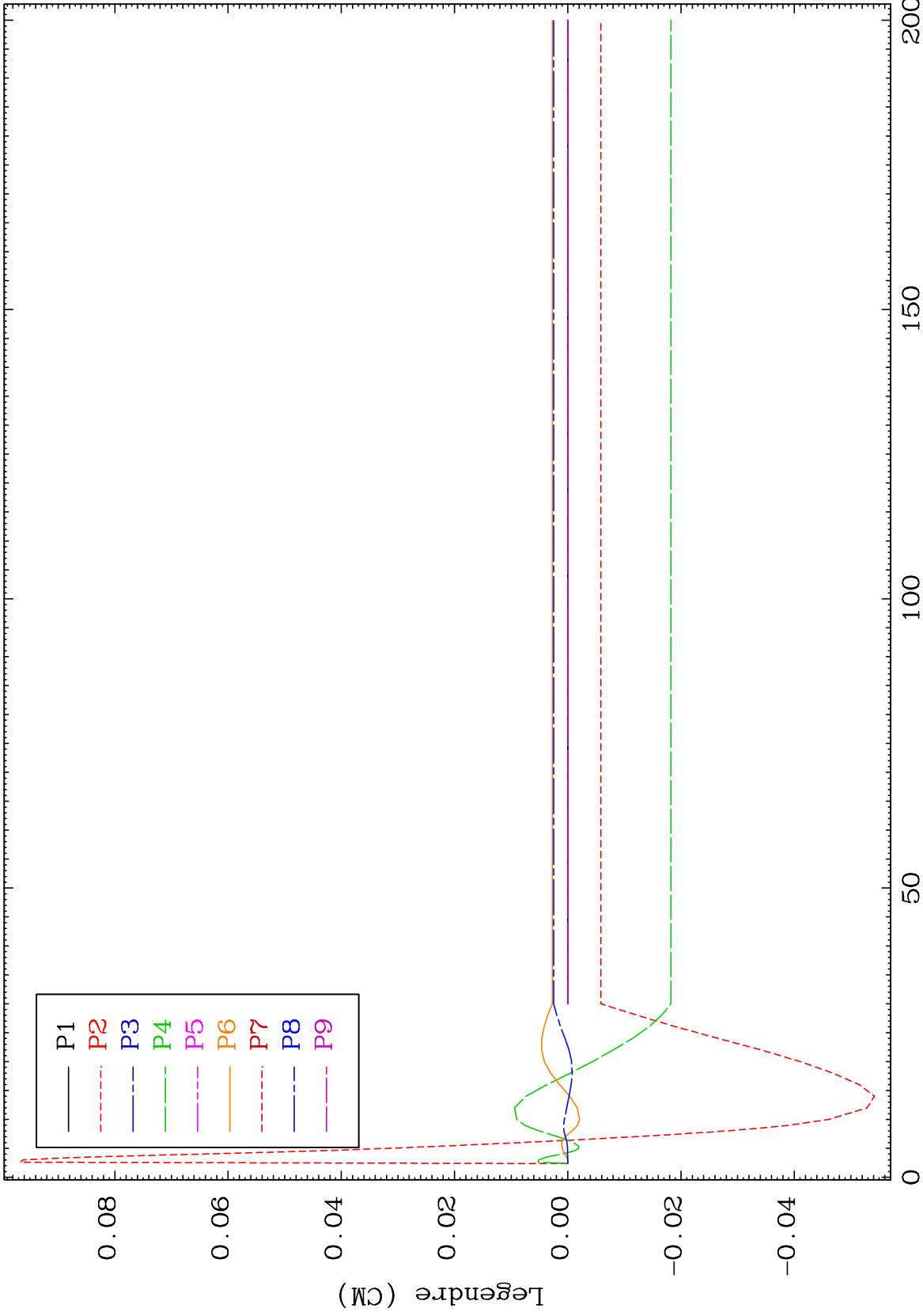


77 66-Dy-150

MAT 6607

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

66-Dy-150



78

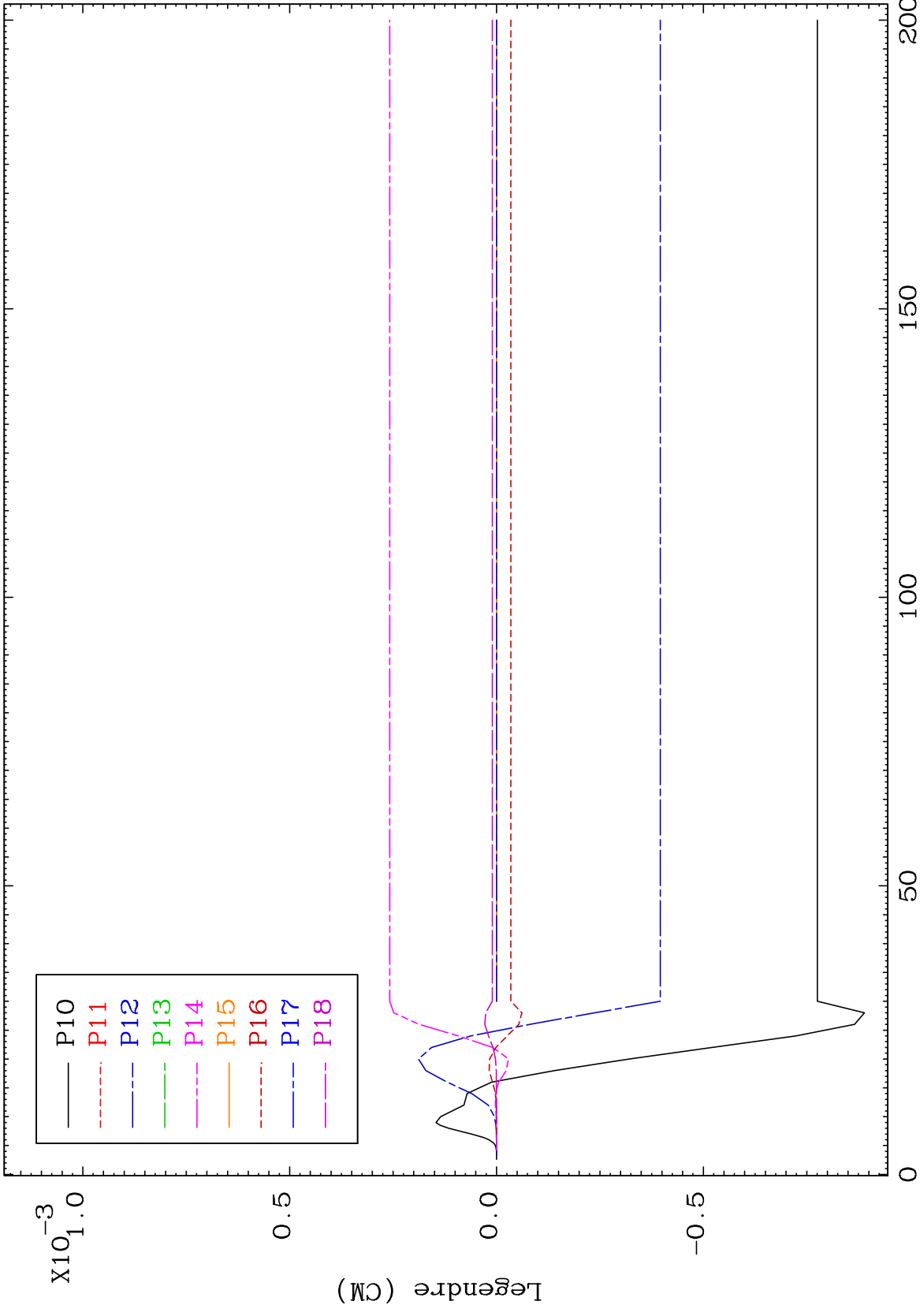
Incident Energy (MeV)

66-Dy-150

MAT 6607

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

66-Dy-150



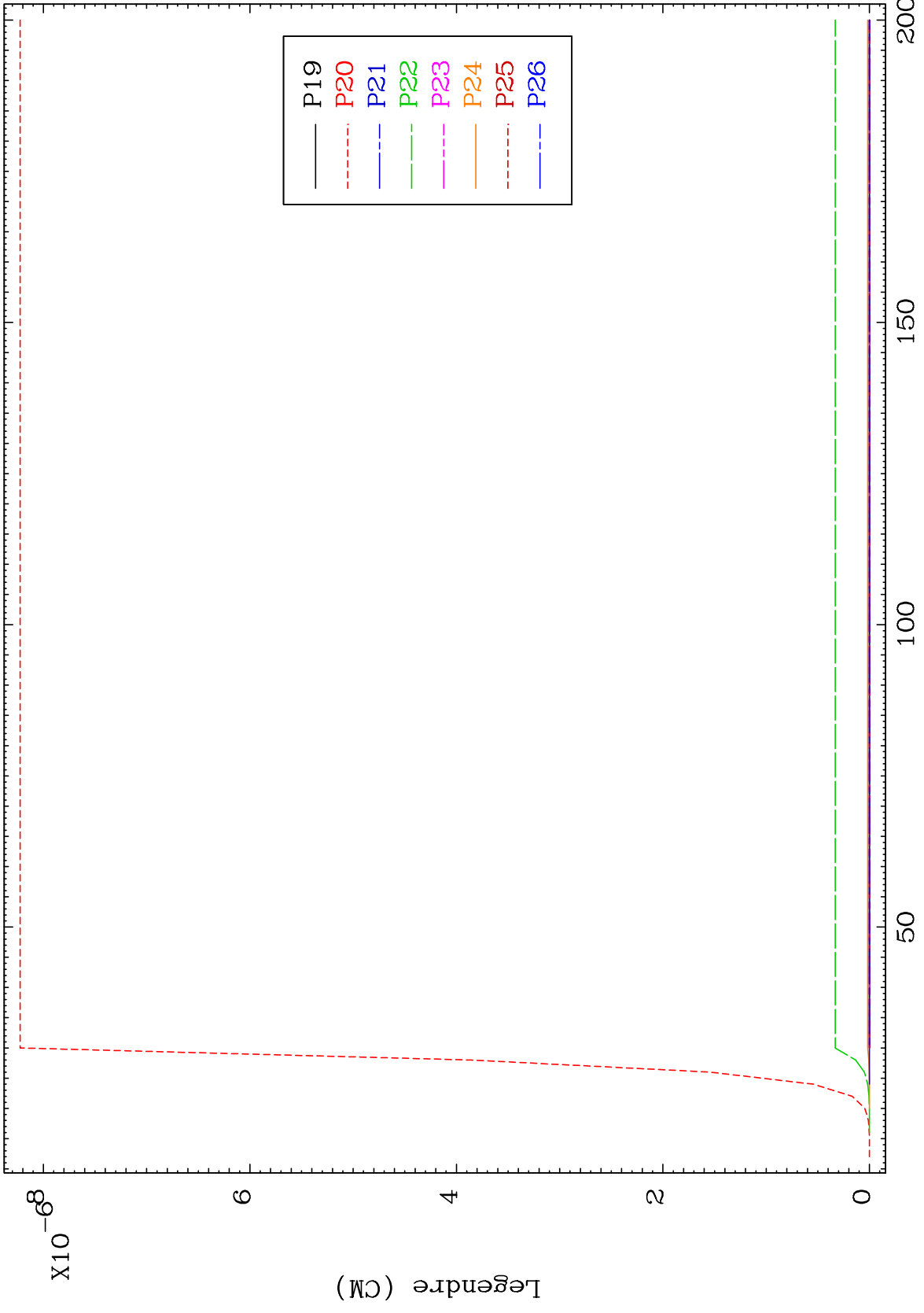
79

Incident Energy (MeV)

66-Dy-150



MAT 6607 MT= 66 (n,n') Level Legendre Coefficients 66-Dy-150

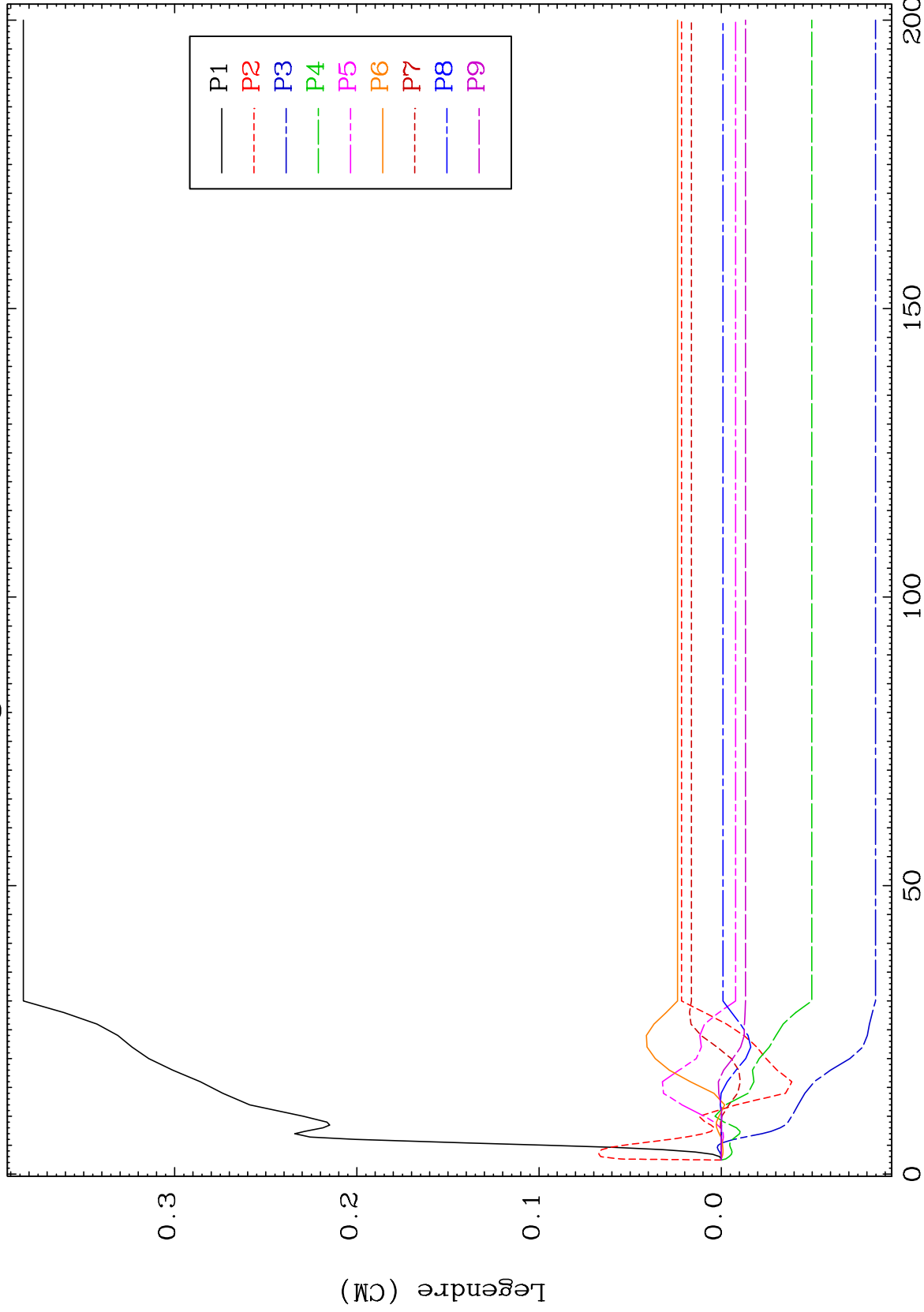


80 50 100 150 200 Incident Energy (MeV) 66-Dy-150

MAT 6607

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

66-Dy-150



81

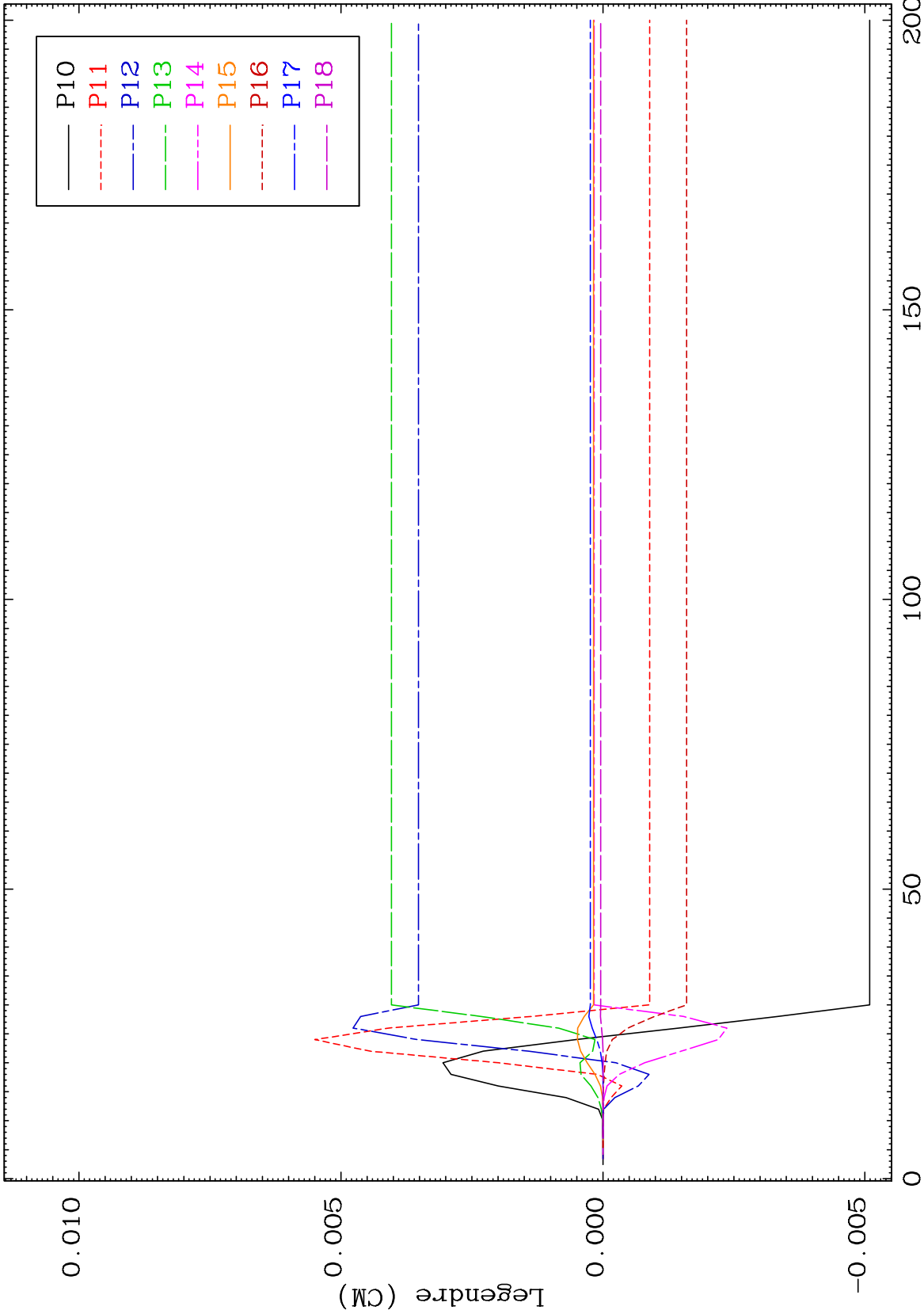
Incident Energy (MeV)

66-Dy-150

MAT 6607

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

66-Dy-150

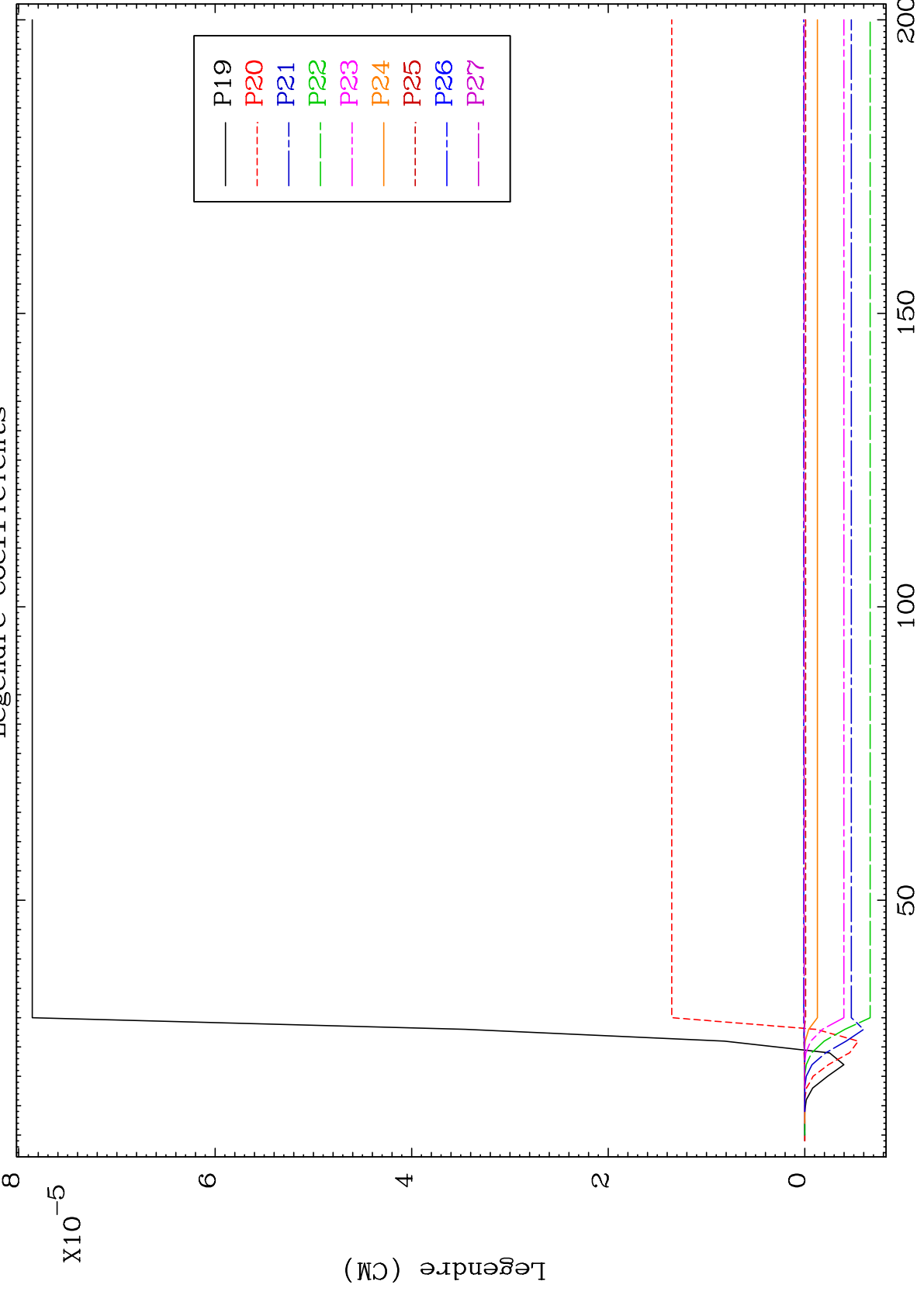


82

Incident Energy (MeV)

66-Dy-150

MAT 6607 MT= 67 (n,n') Level Legendre Coefficients 66-Dy-150

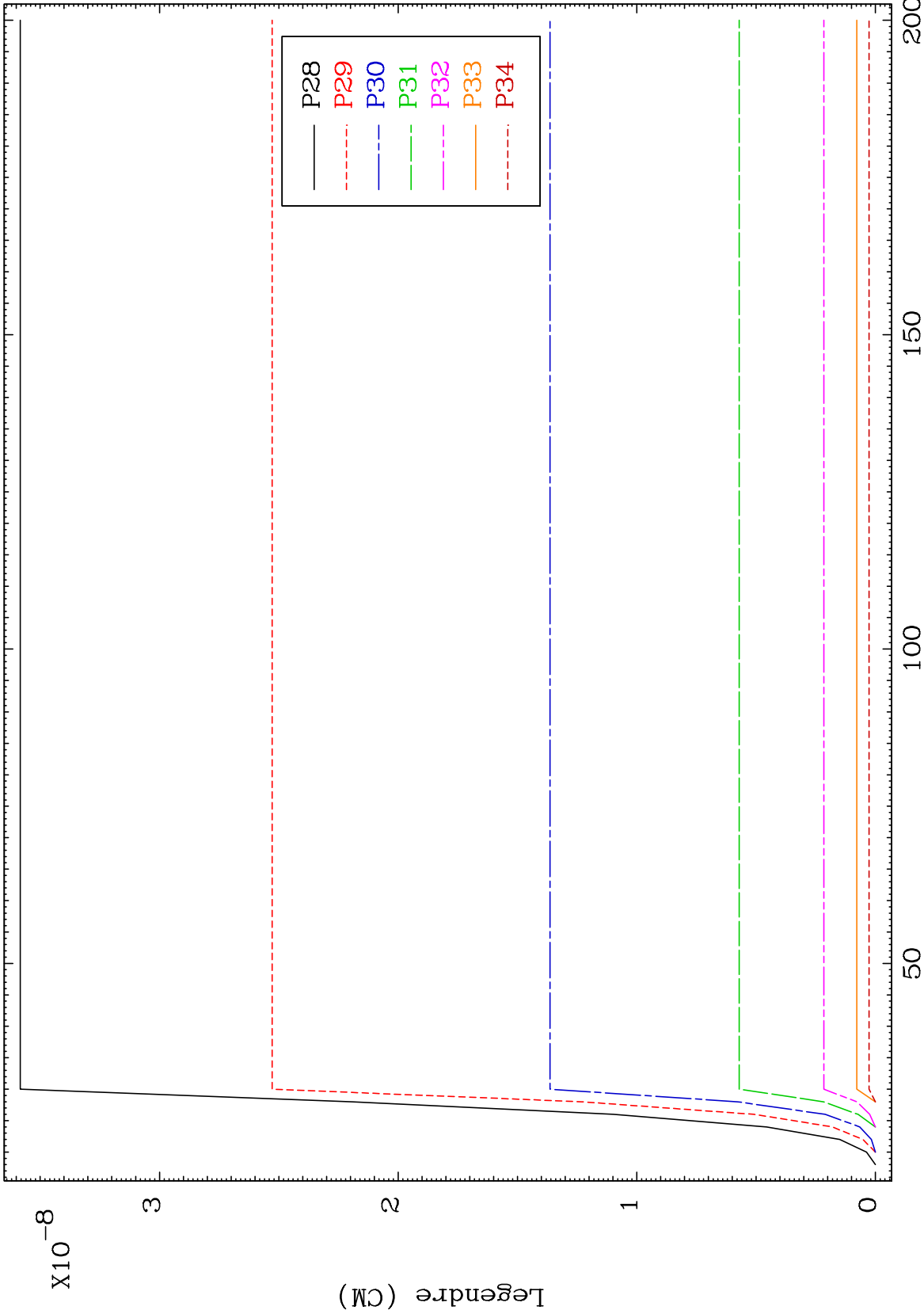


83 66-Dy-150

MAT 6607

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

66-Dy-150

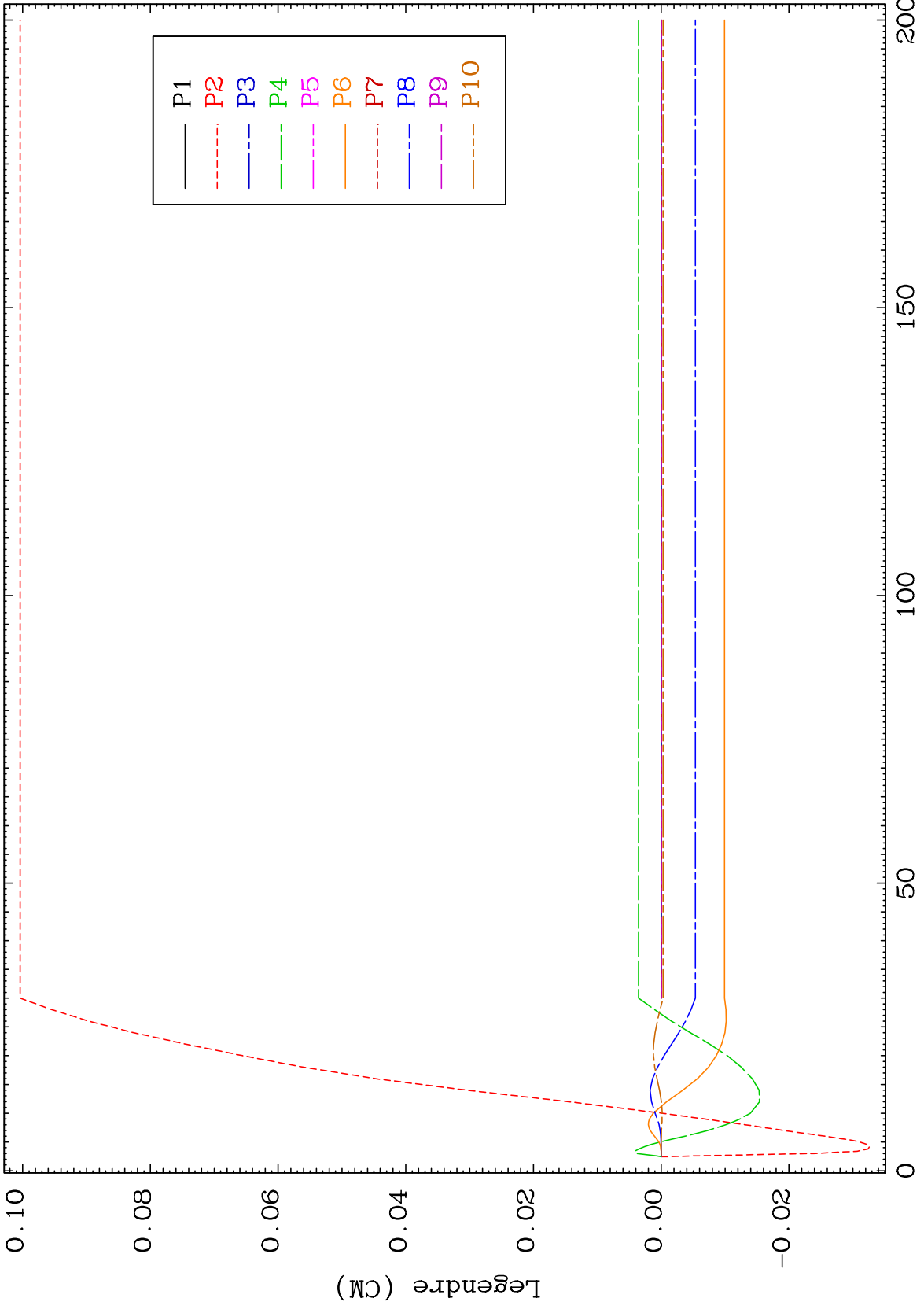


84

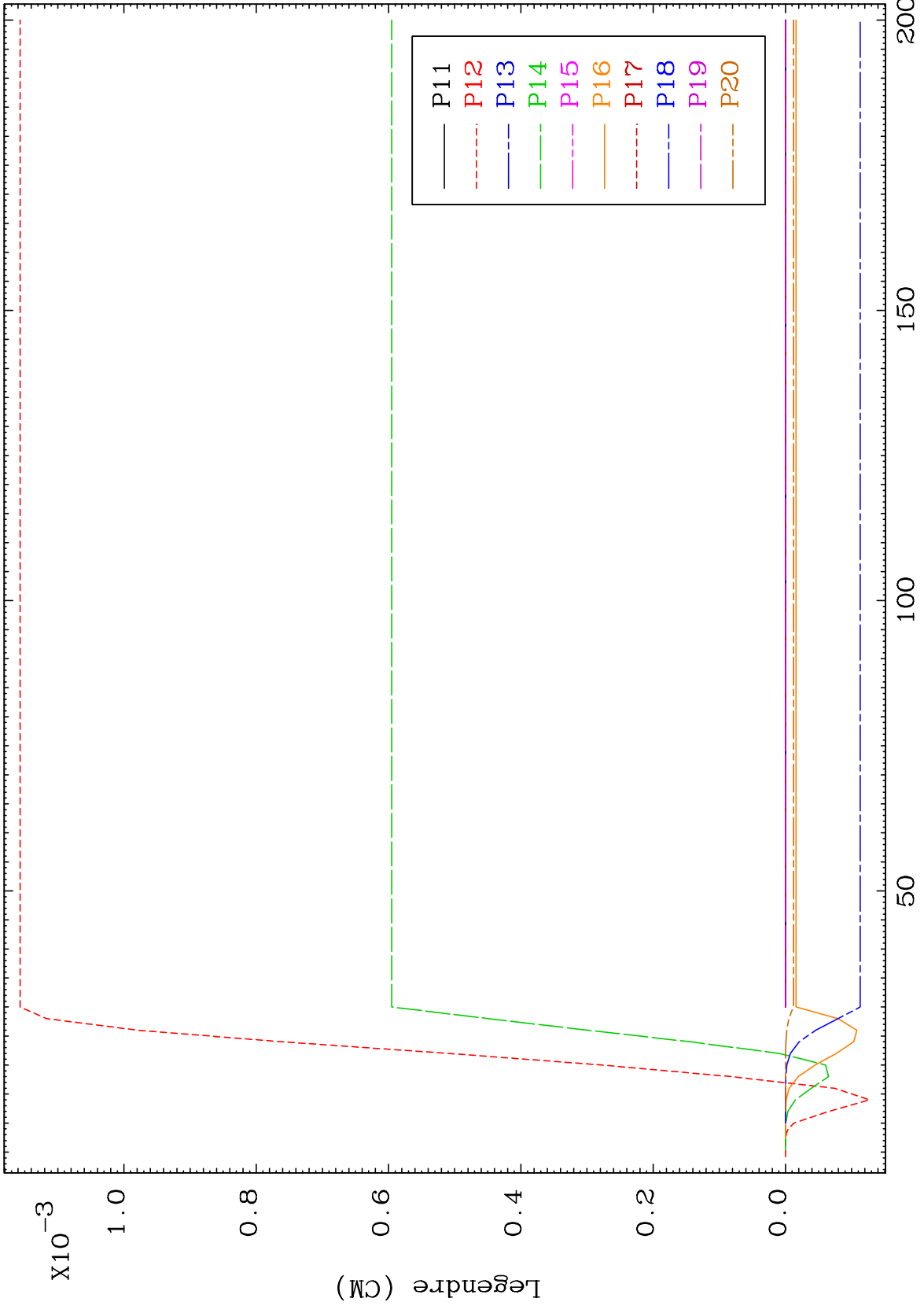
Incident Energy (MeV)

66-Dy-150

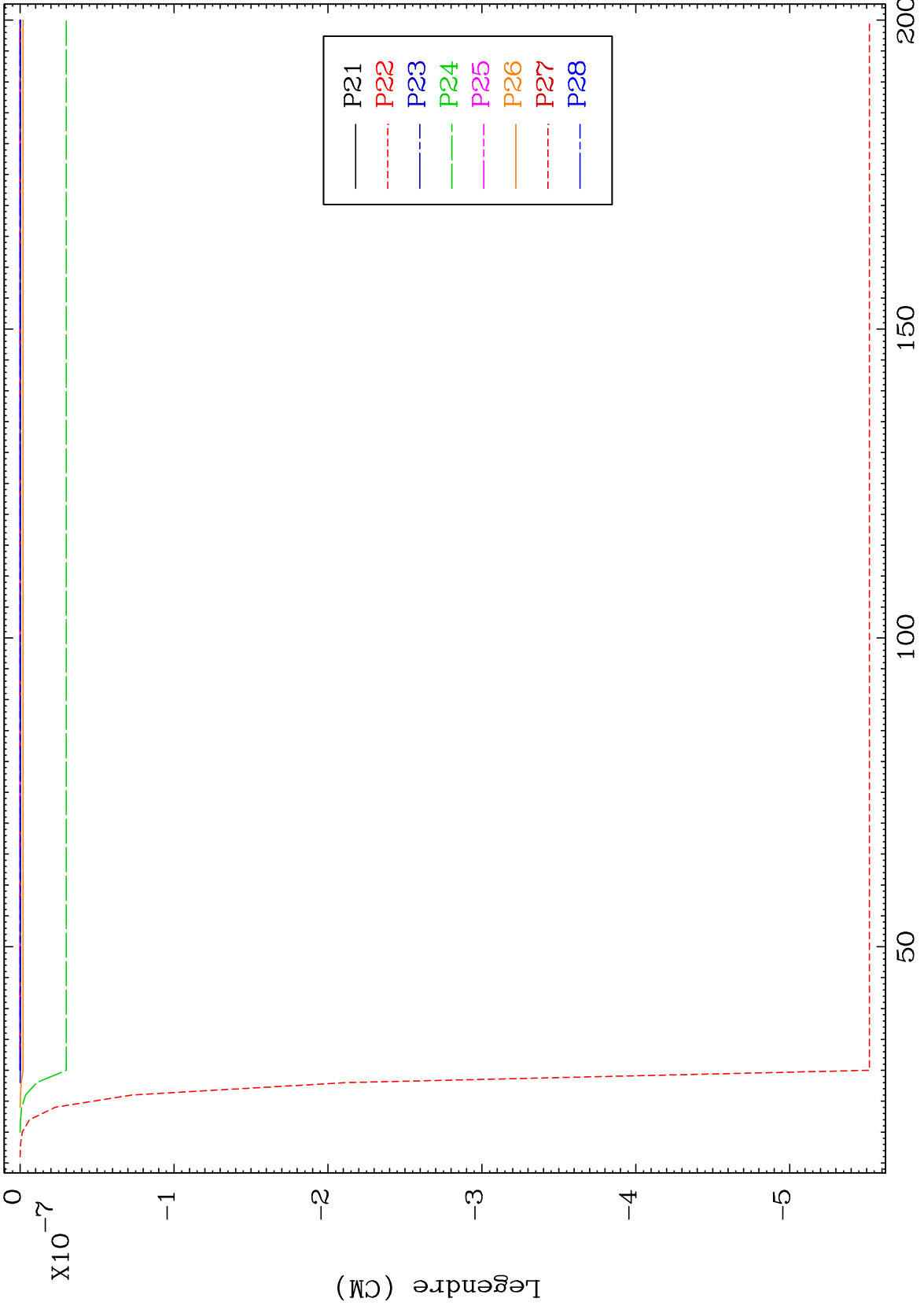
MAT 6607 MT= 68 (n,n') Level Legendre Coefficients 66-Dy-150



85 Incident Energy (MeV) 66-Dy-150



MAT 6607 MT= 68 (n,n') Level Legendre Coefficients 66-Dy-150



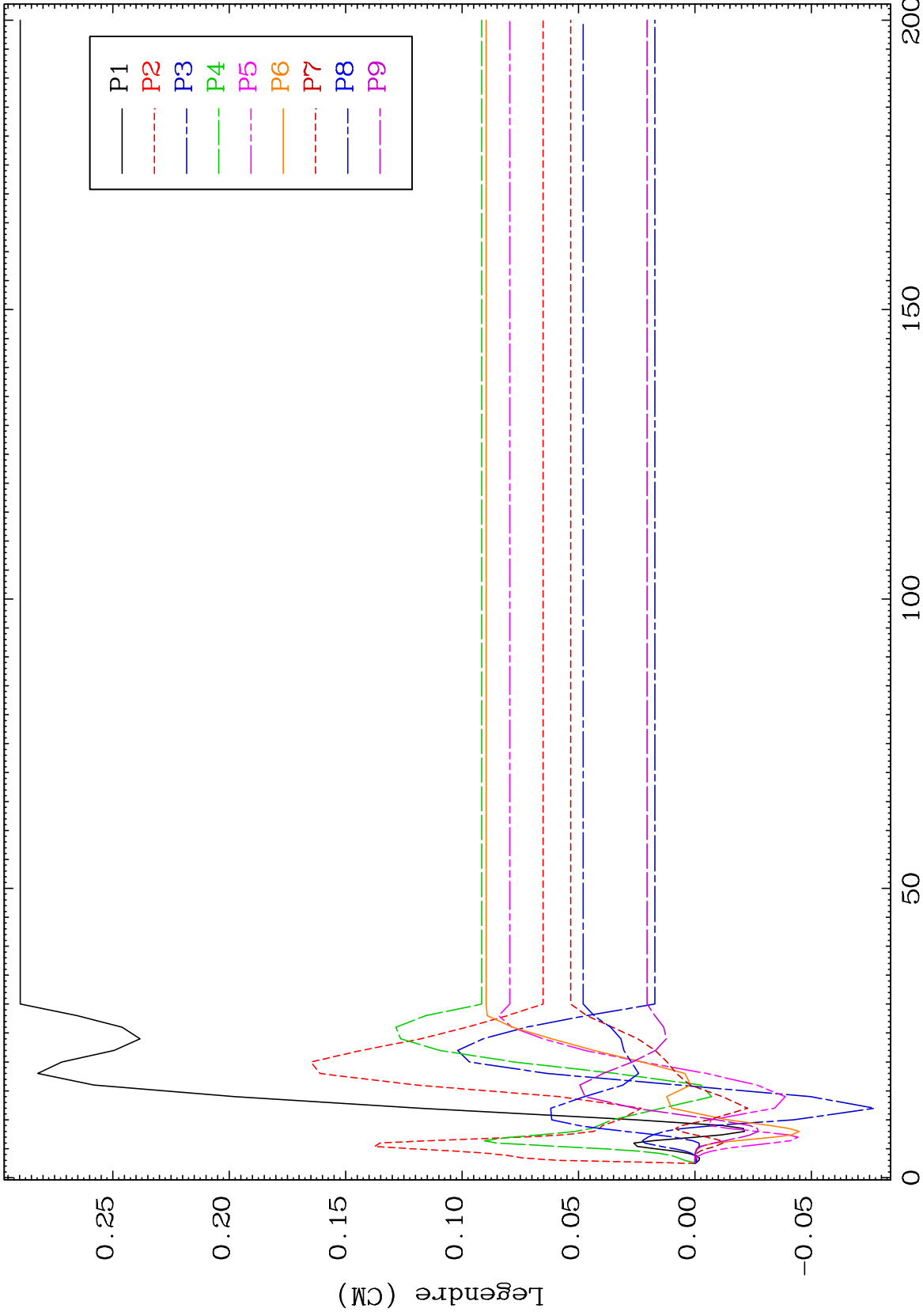
87 66-Dy-150



MAT 6607

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

66-Dy-150



88

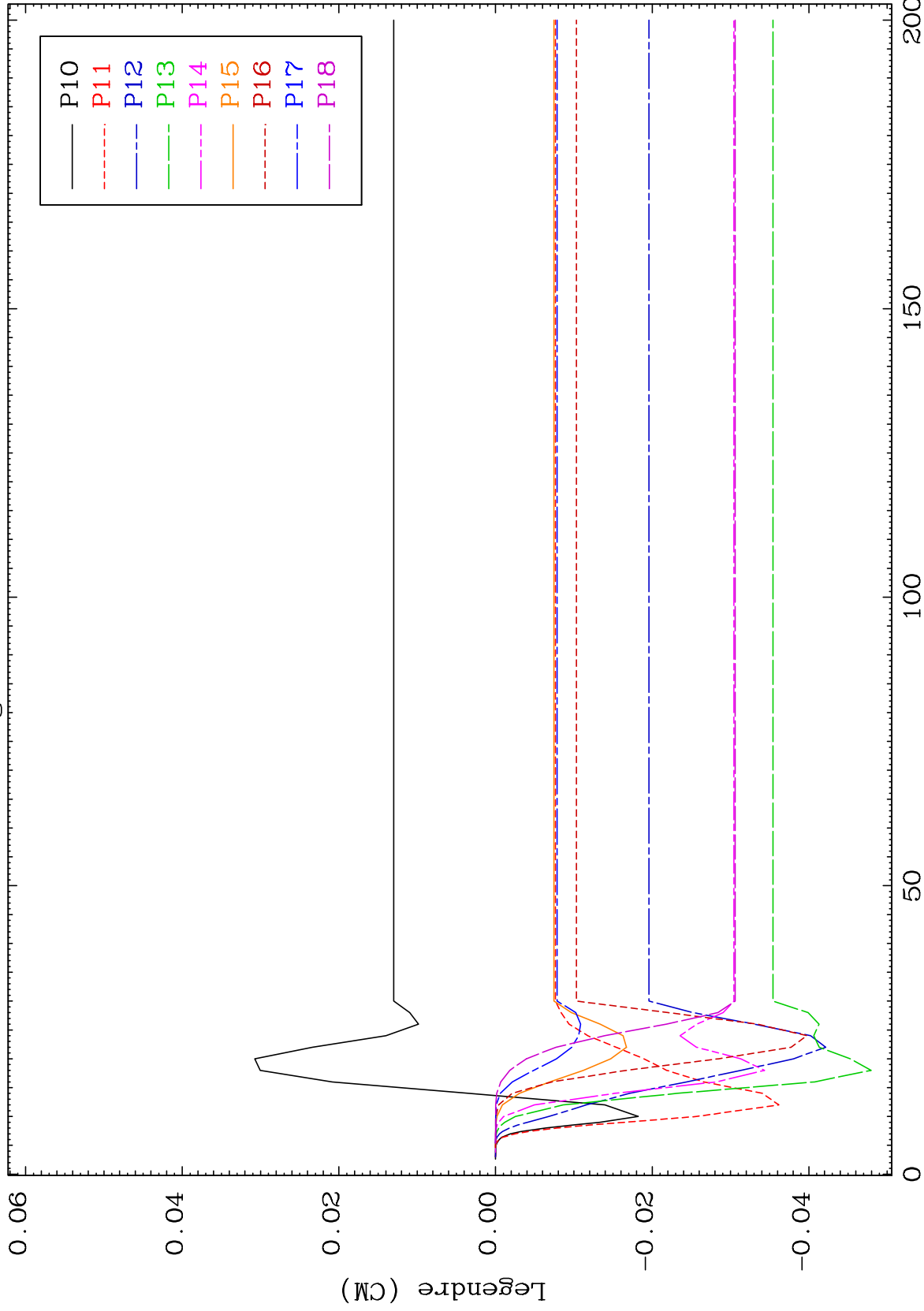
Incident Energy (MeV)

66-Dy-150

MAT 6607

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

66-Dy-150



89

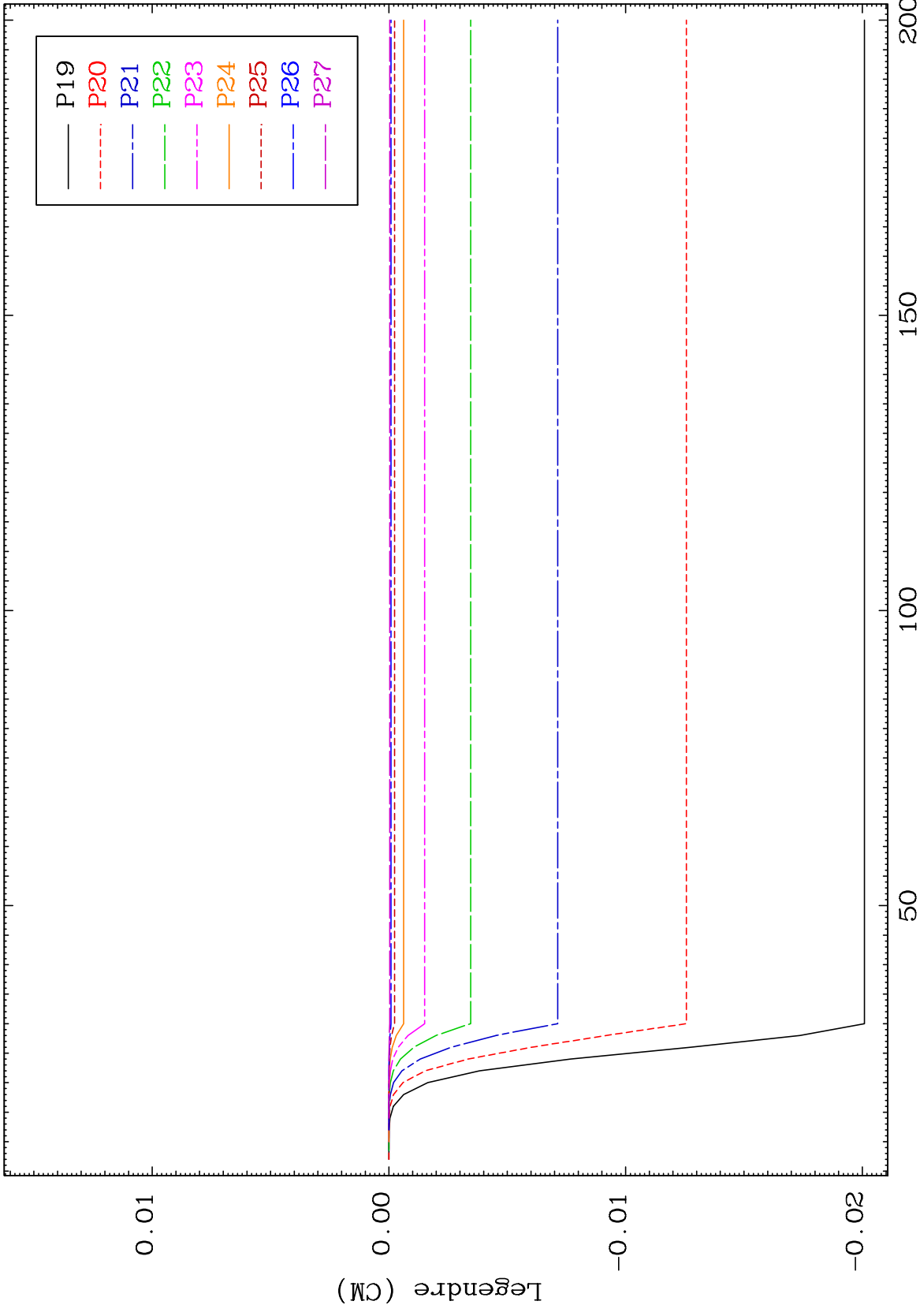
Incident Energy (MeV)

66-Dy-150

MAT 6607

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

66-Dy-150

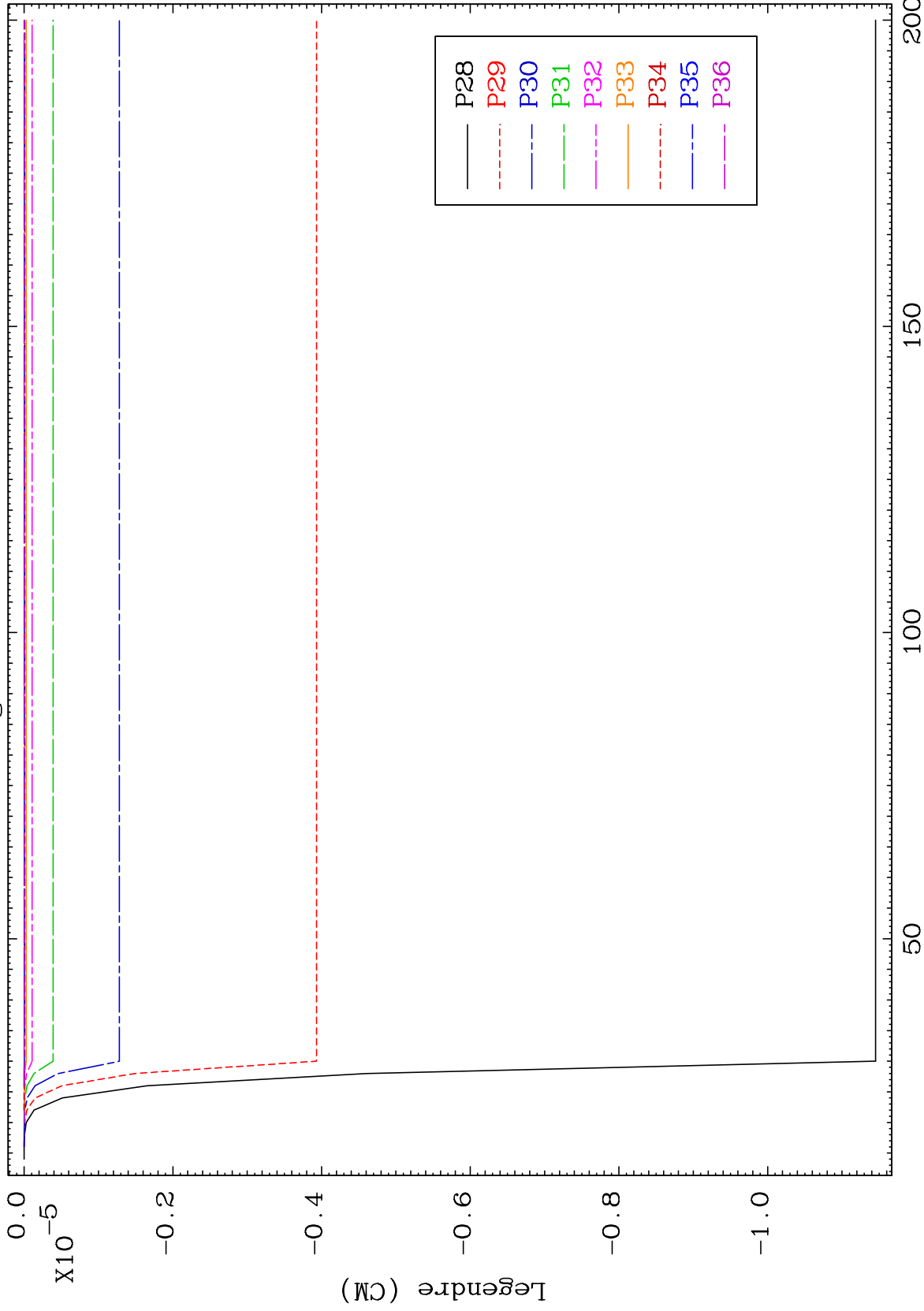


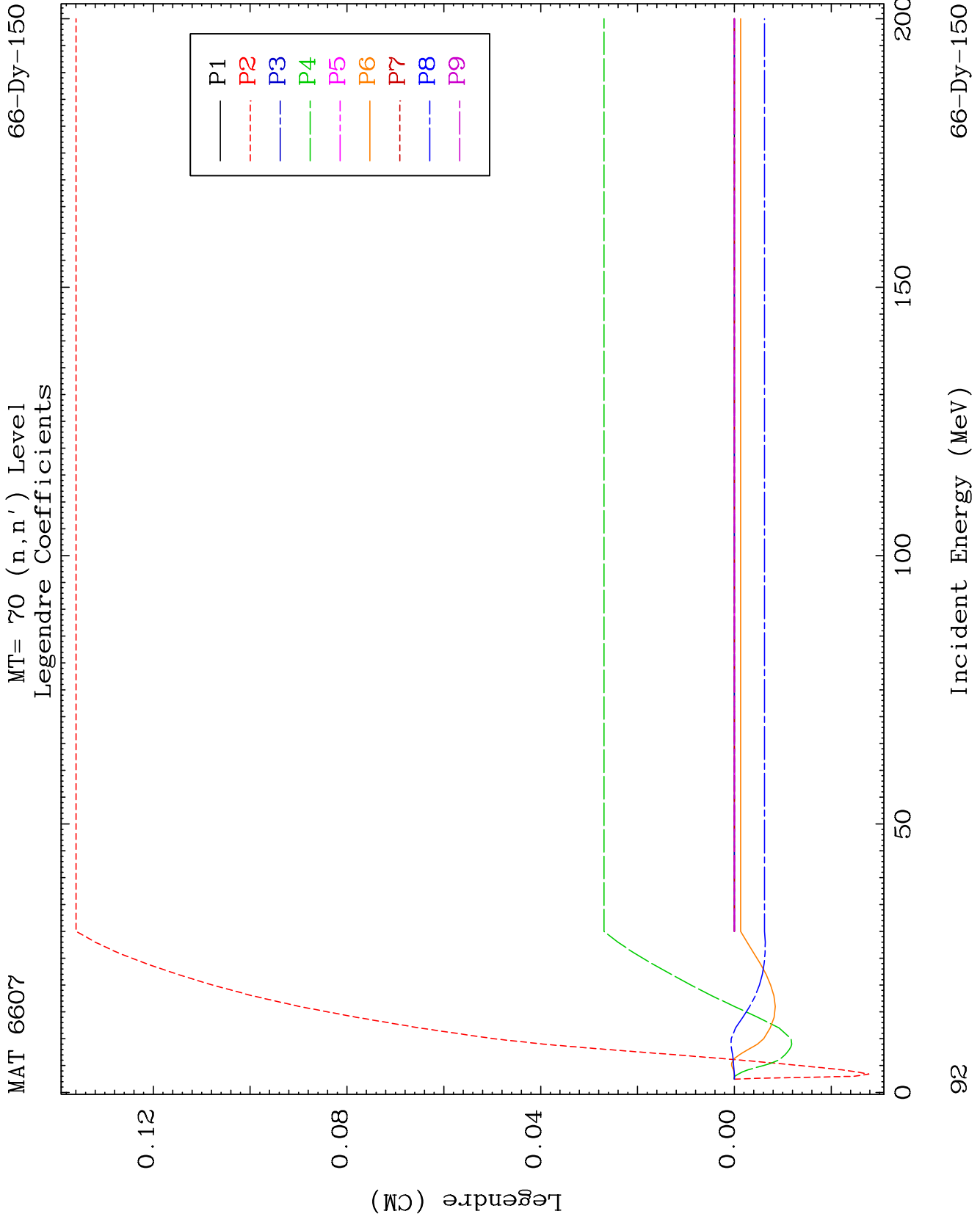
90

Incident Energy (MeV)

66-Dy-150

Legendre Coefficients

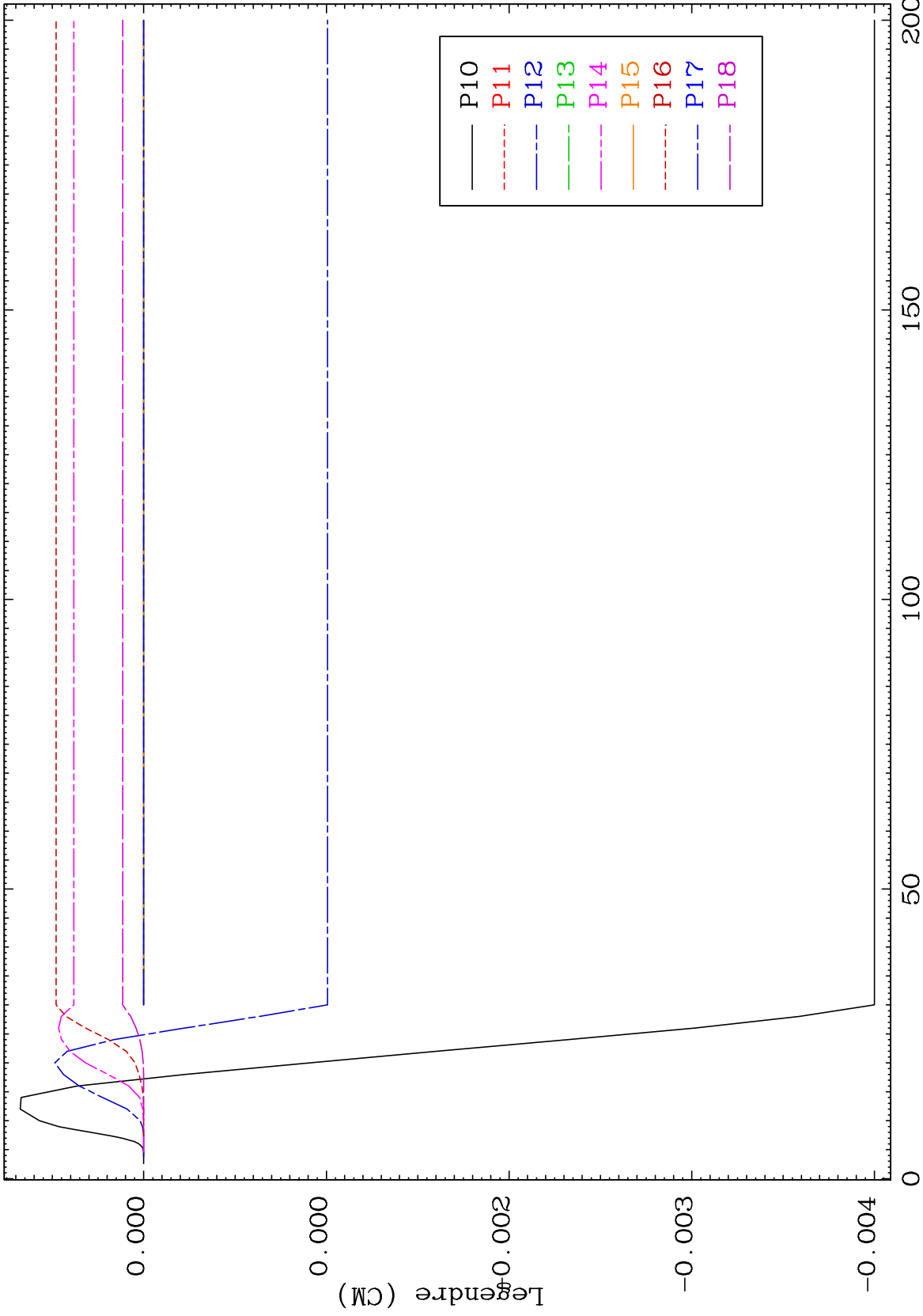




MAT 6607

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

66-Dy-150

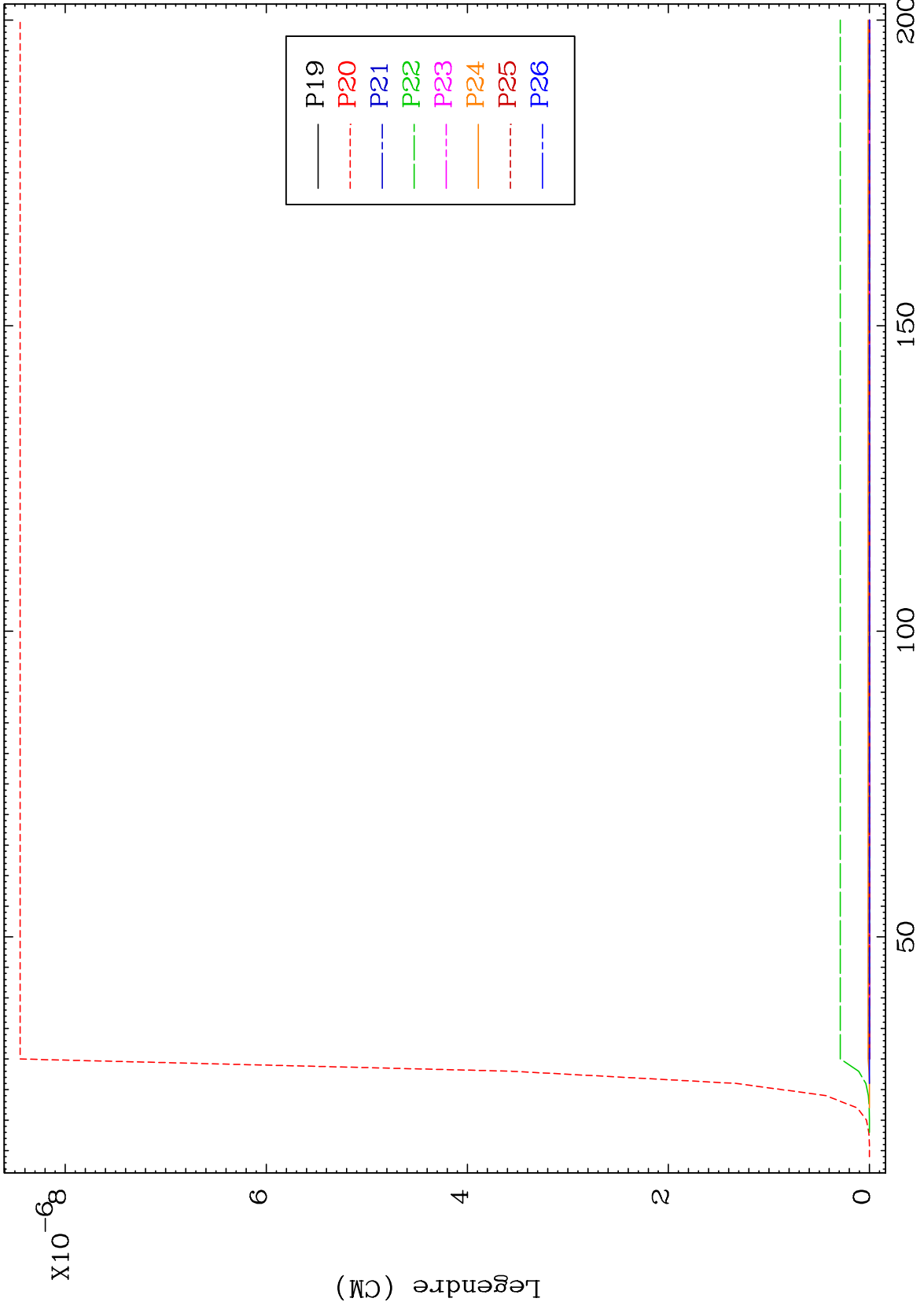


93

Incident Energy (MeV)

66-Dy-150

MAT 6607 MT= 70 (n,n') Level Legendre Coefficients 66-Dy-150

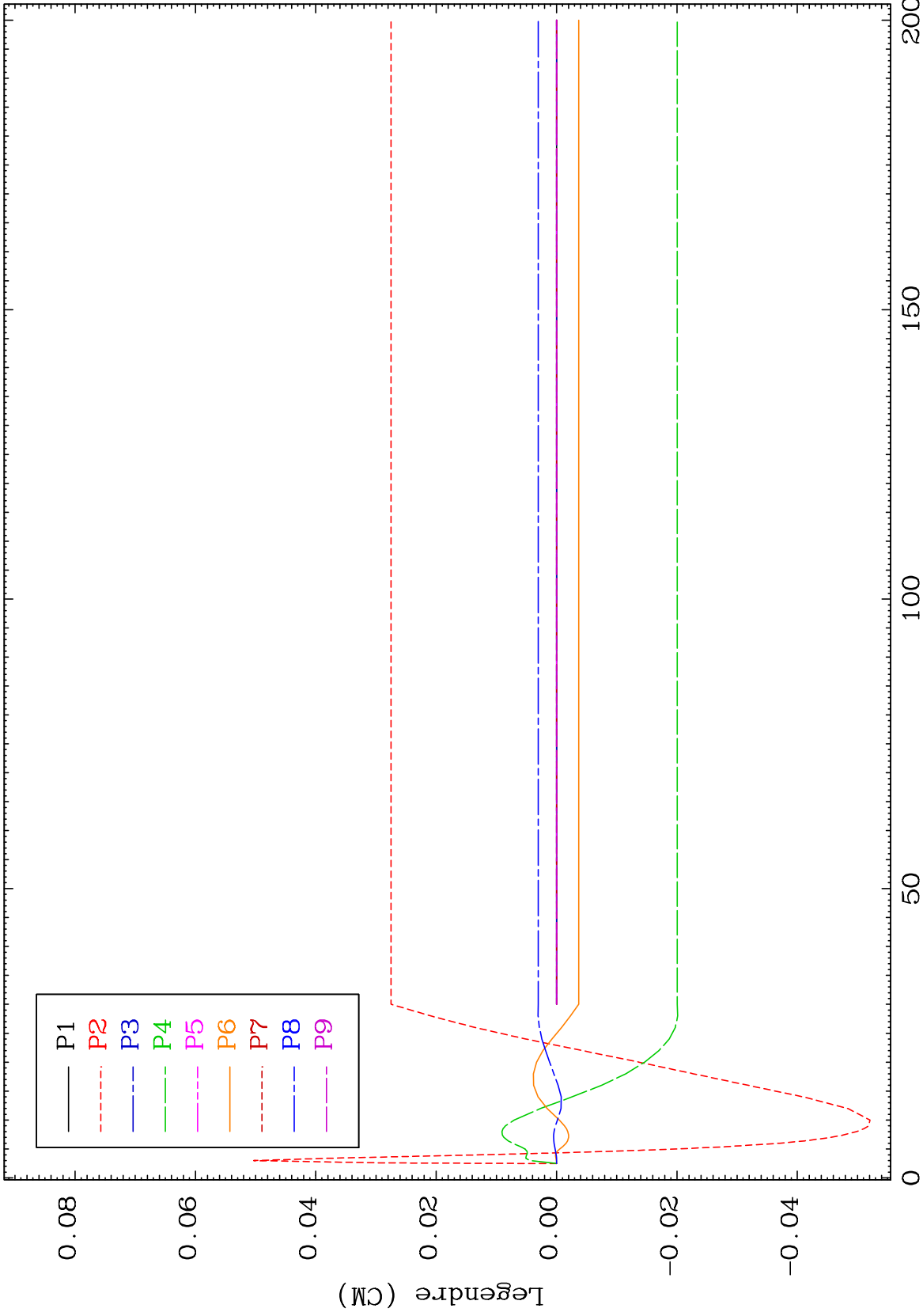


94 66-Dy-150

MAT 6607

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

66-Dy-150



95

Incident Energy (MeV)

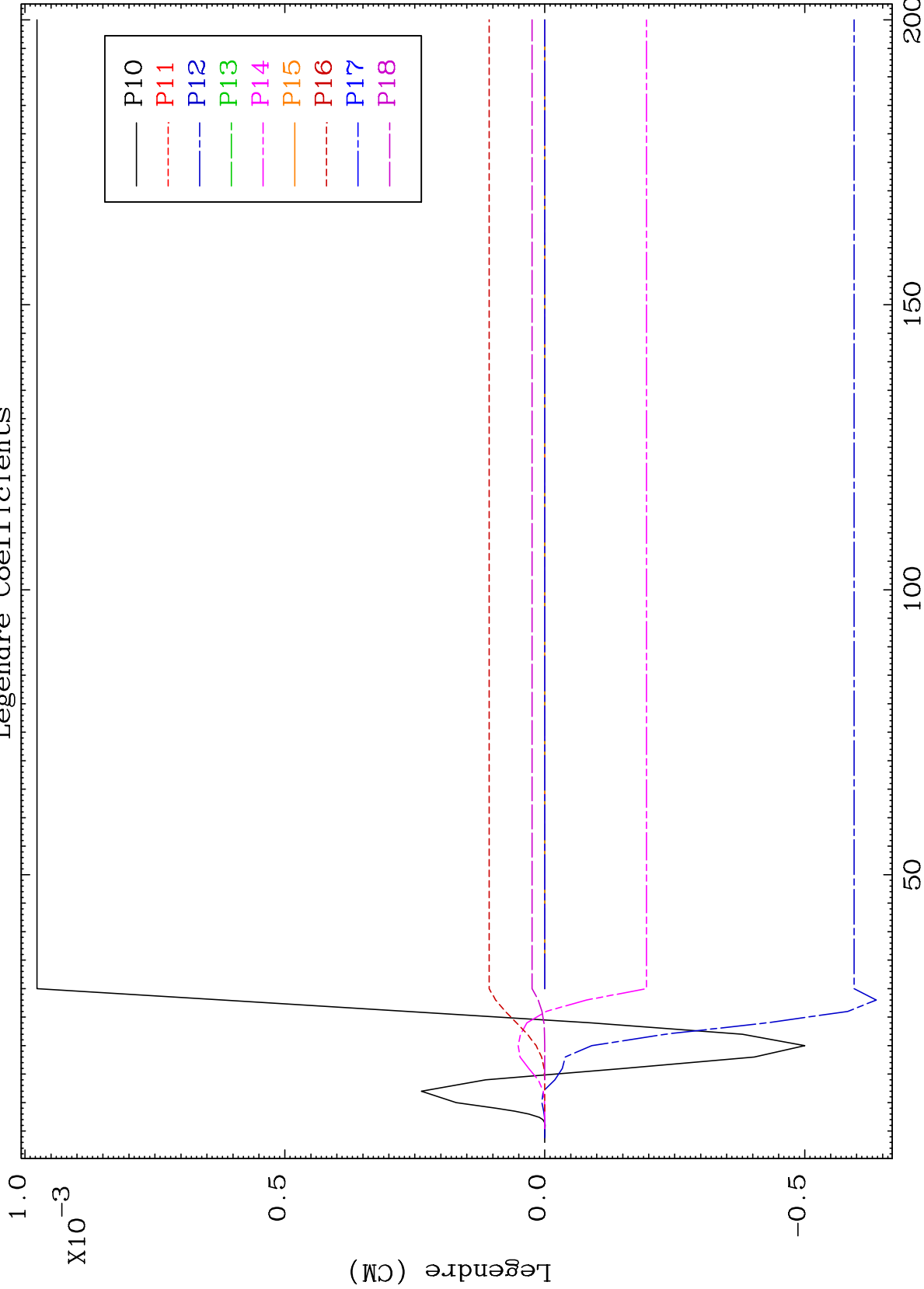
66-Dy-150



MAT 6607

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

66-Dy-150

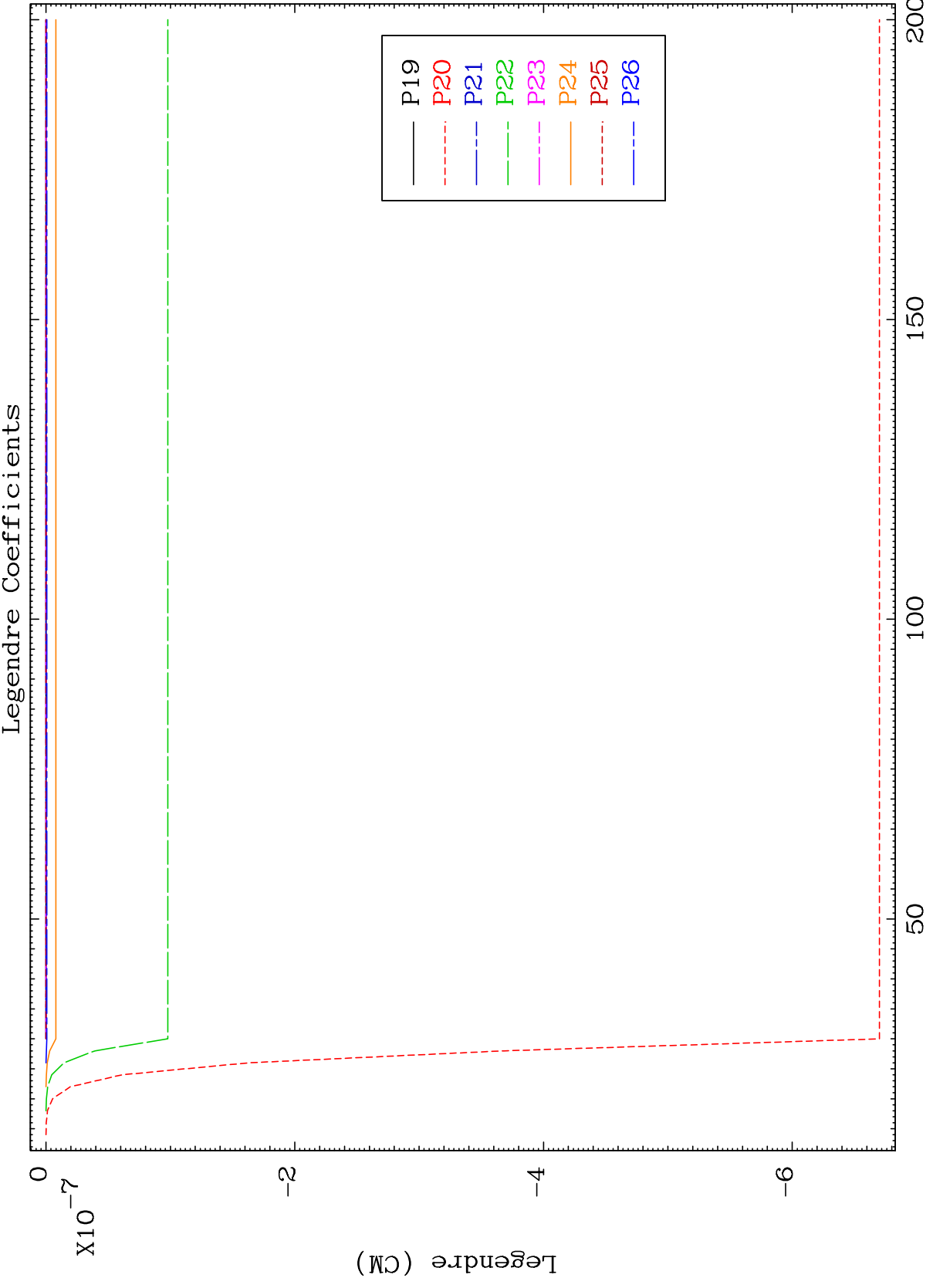


96

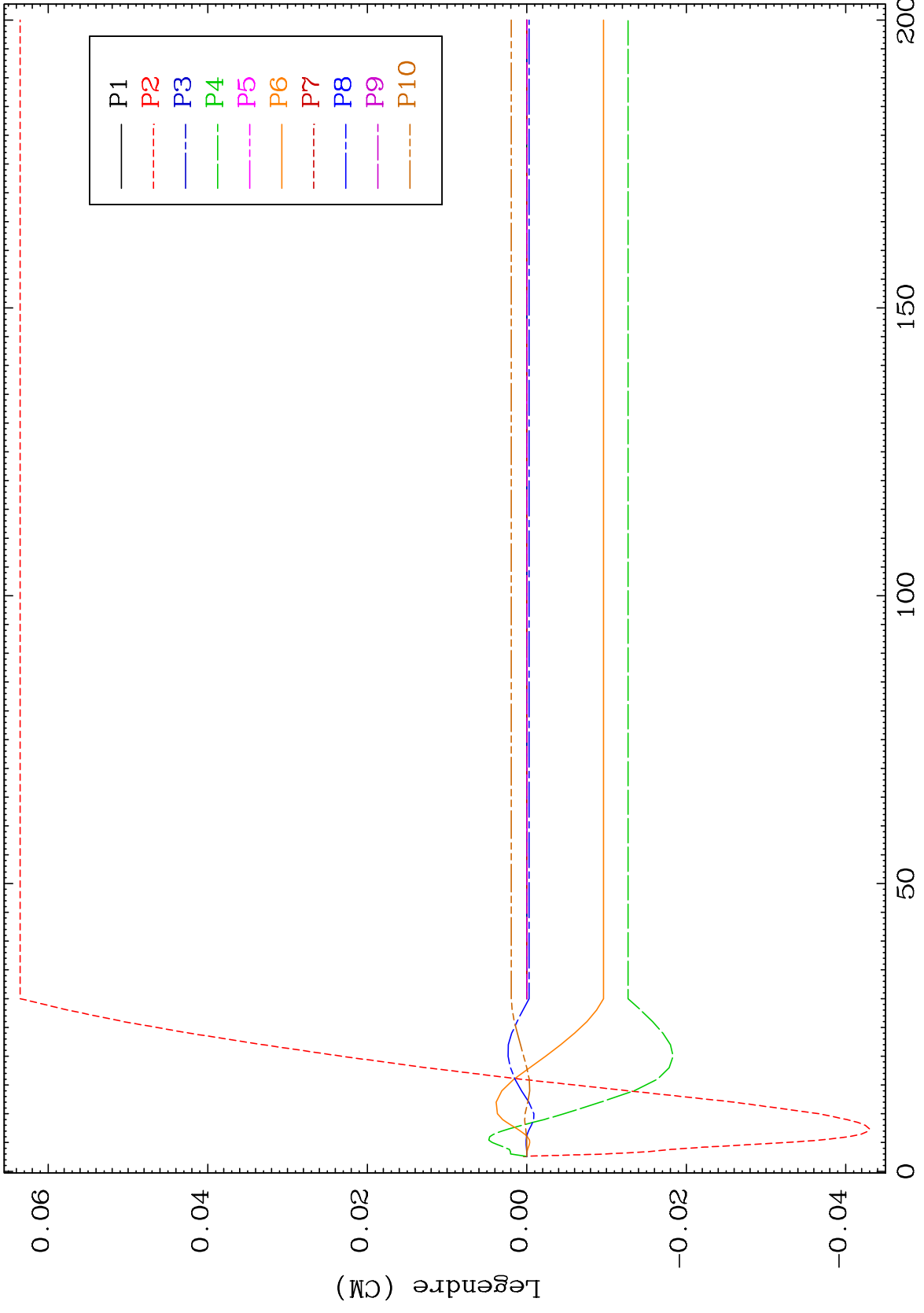
Incident Energy (MeV)

66-Dy-150

MAT 6607 MT= 71 (n,n') Level Legendre Coefficients 66-Dy-150

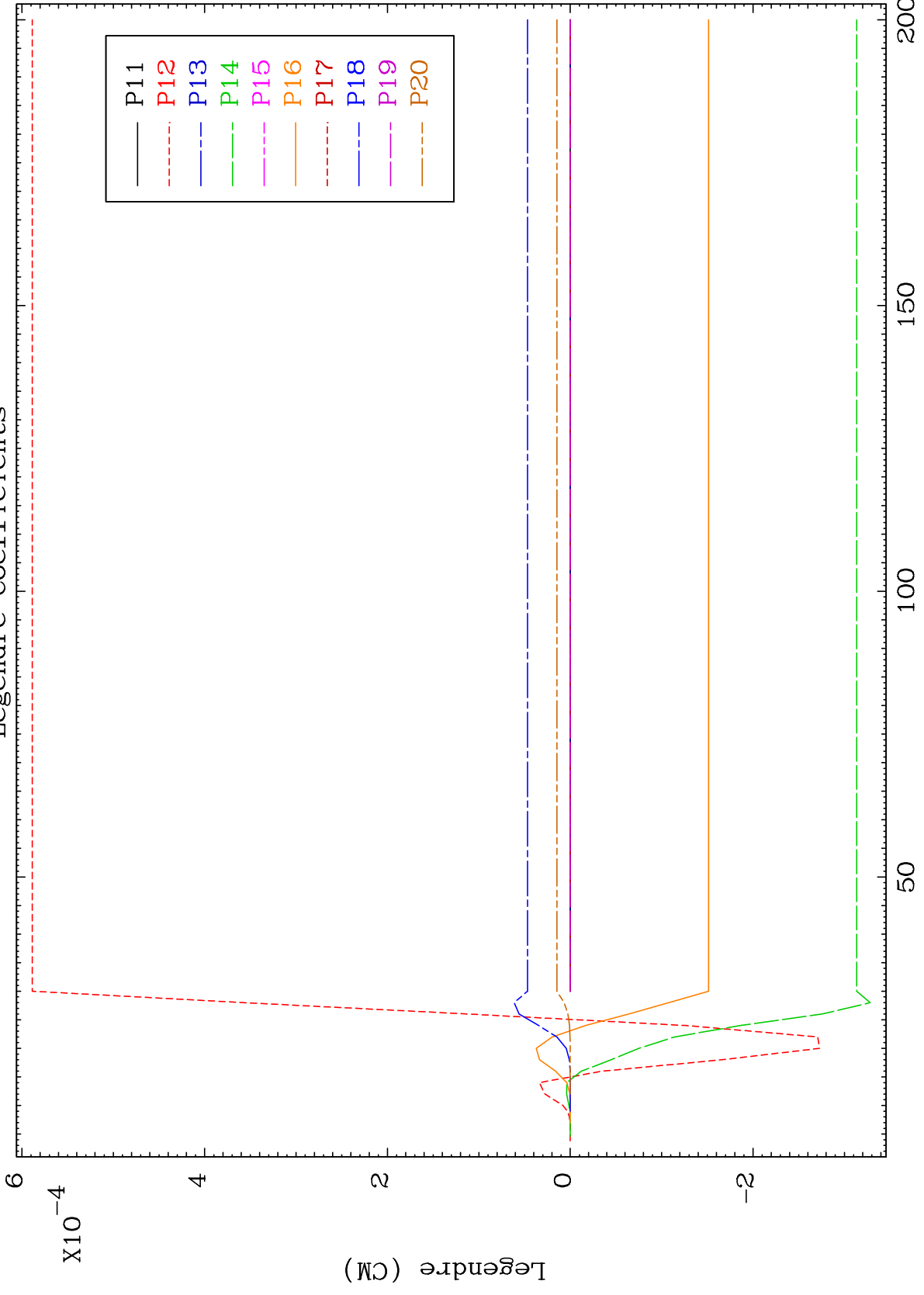


MAT 6607 MT= 72 (n,n') Level Legendre Coefficients 66-Dy-150



98 66-Dy-150

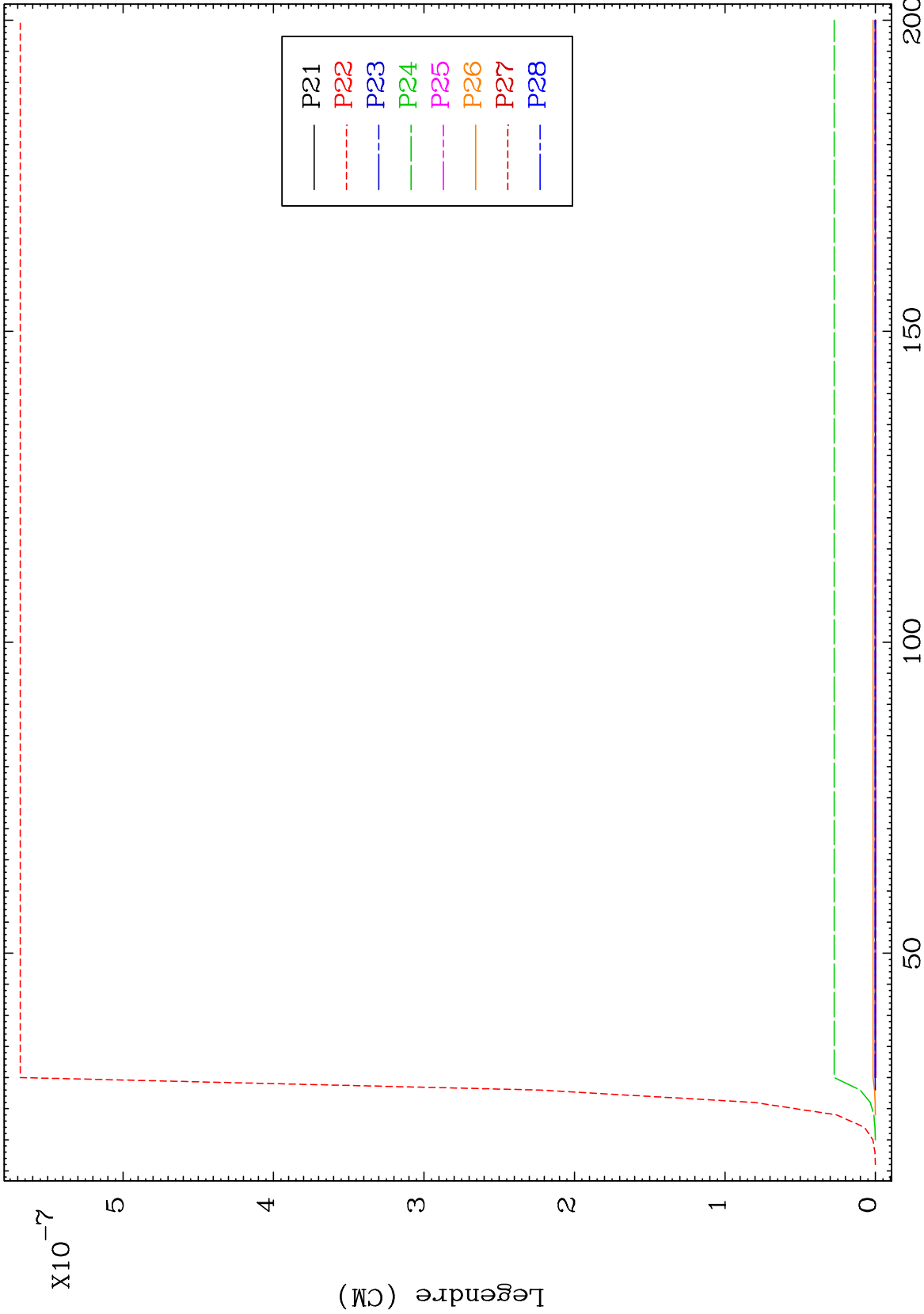
MAT 6607 MT= 72 (n,n') Level Legendre Coefficients 66-Dy-150



MAT 6607

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

66-Dy-150



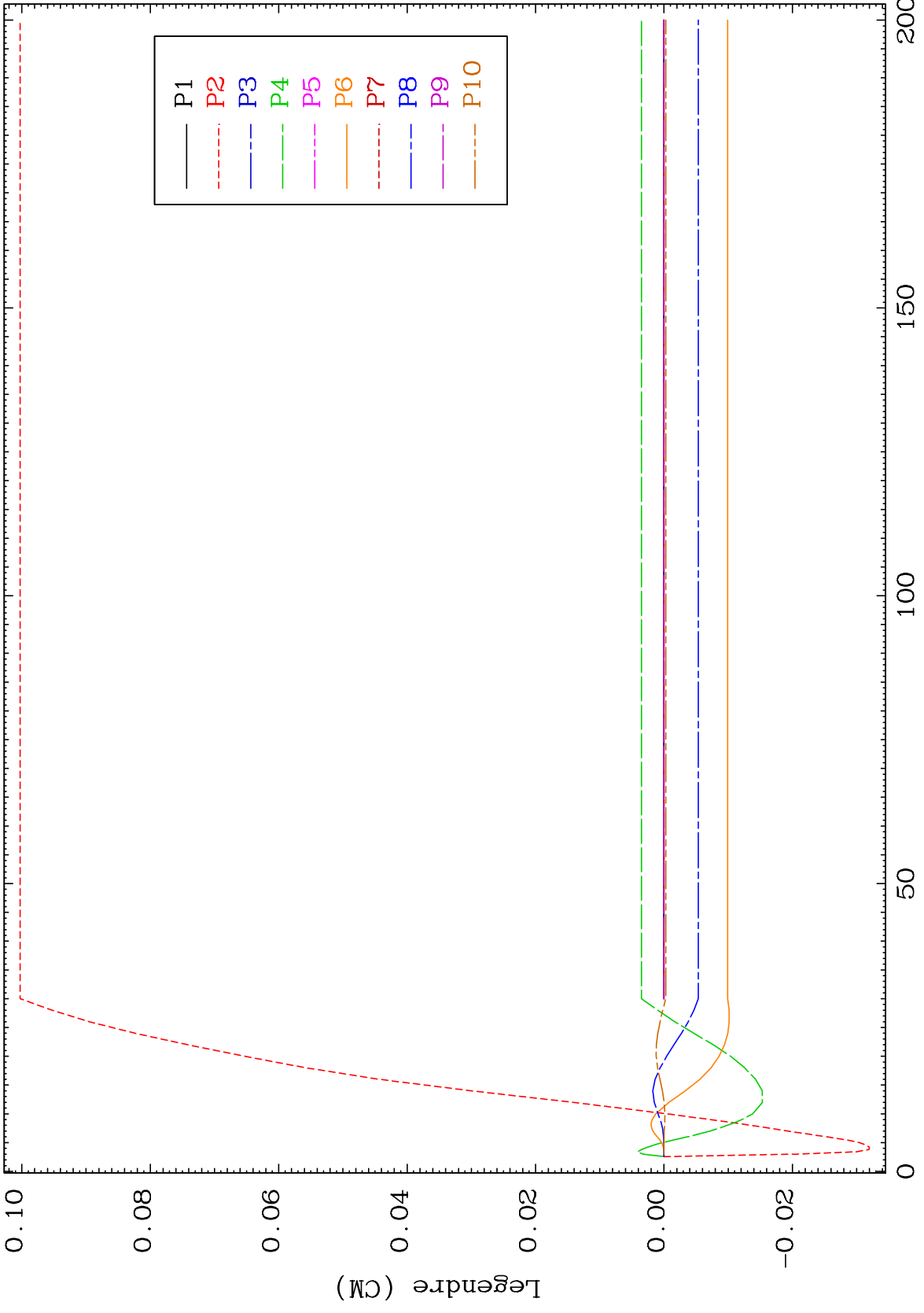
66-Dy-150

Incident Energy (MeV)

Legendre (CM)

$10^{-7}$

MAT 6607 MT= 73 (n,n') Level Legendre Coefficients 66-Dy-150

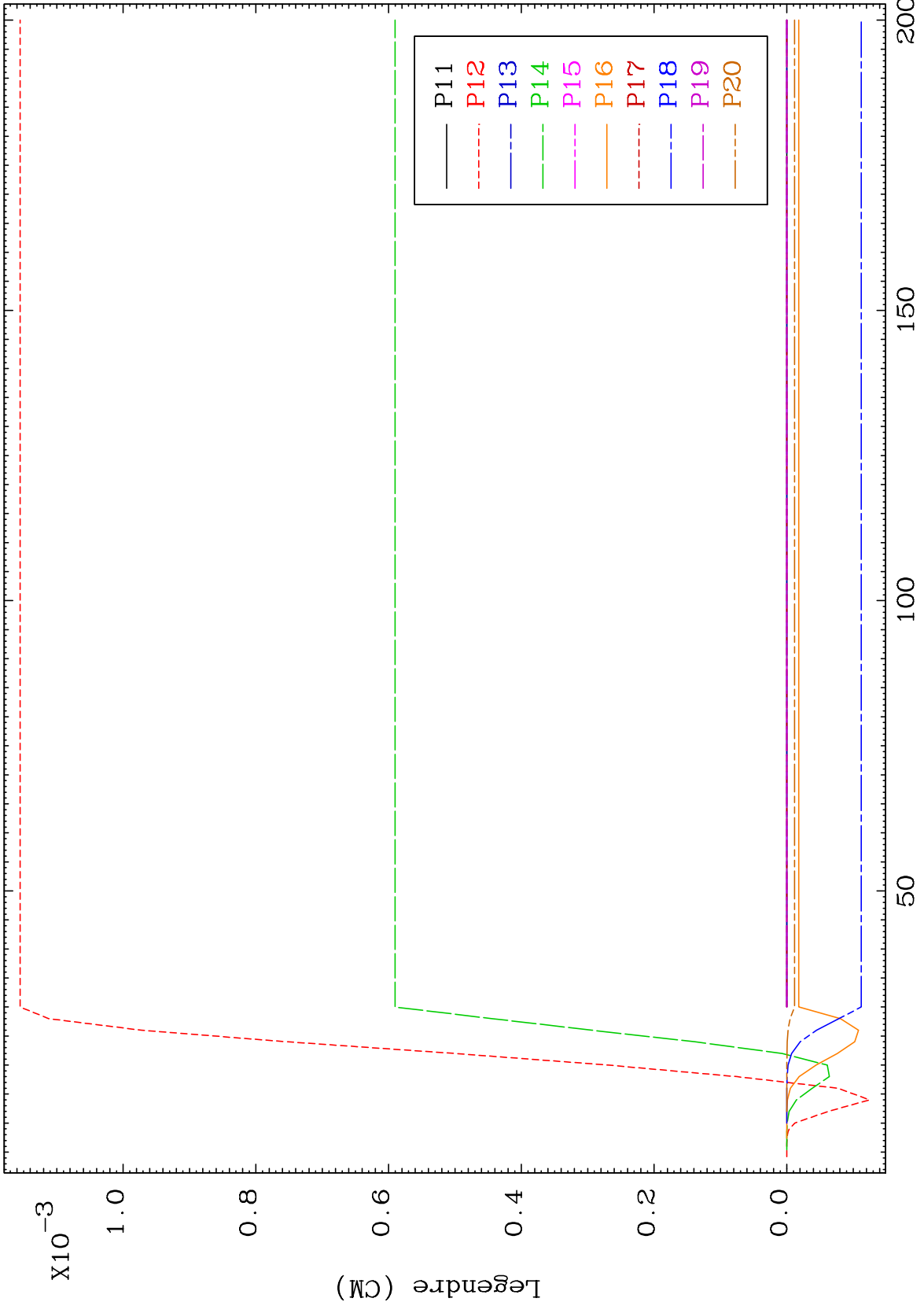


101 66-Dy-150

MAT 6607

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

66-Dy-150

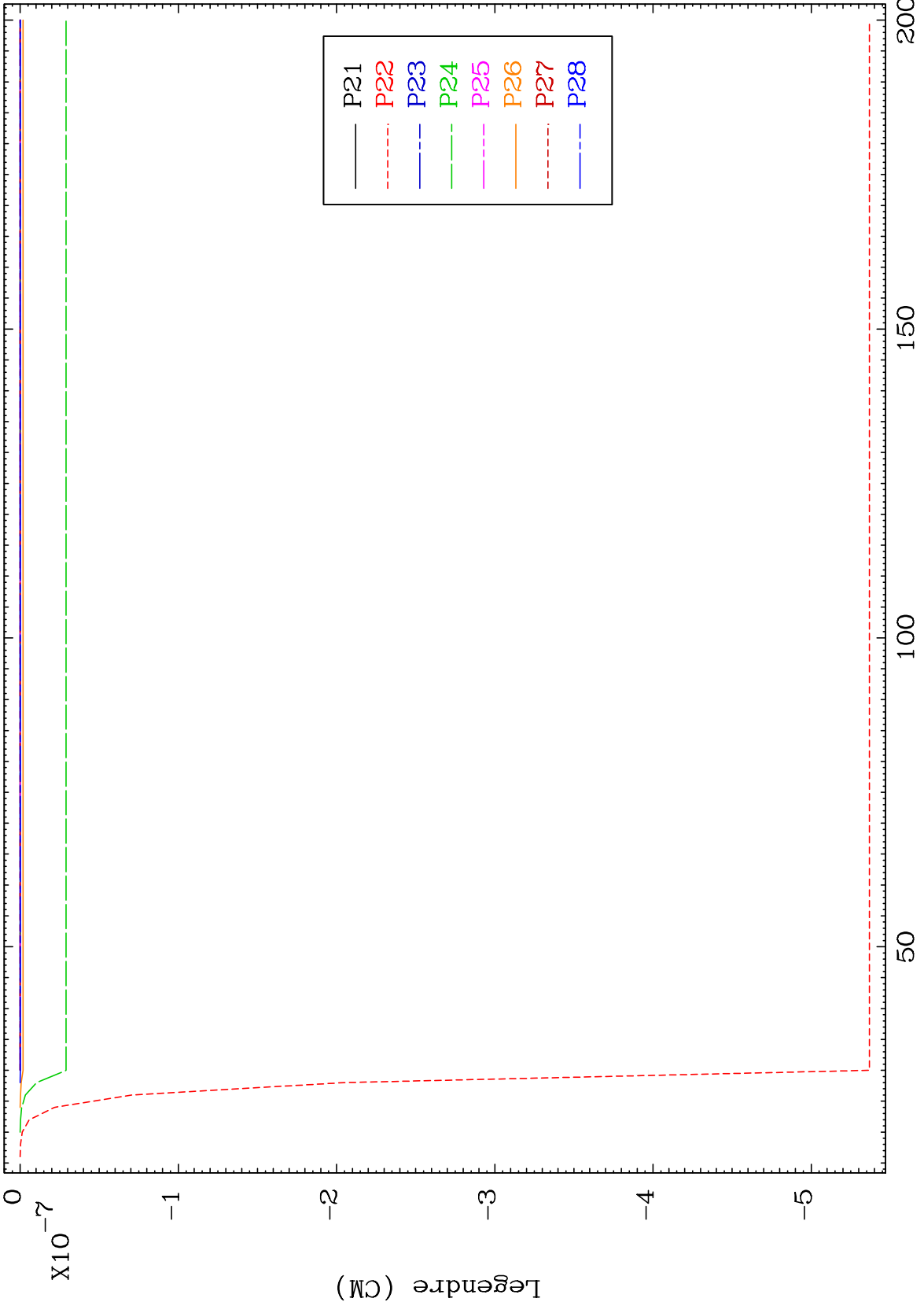


102

Incident Energy (MeV)

66-Dy-150

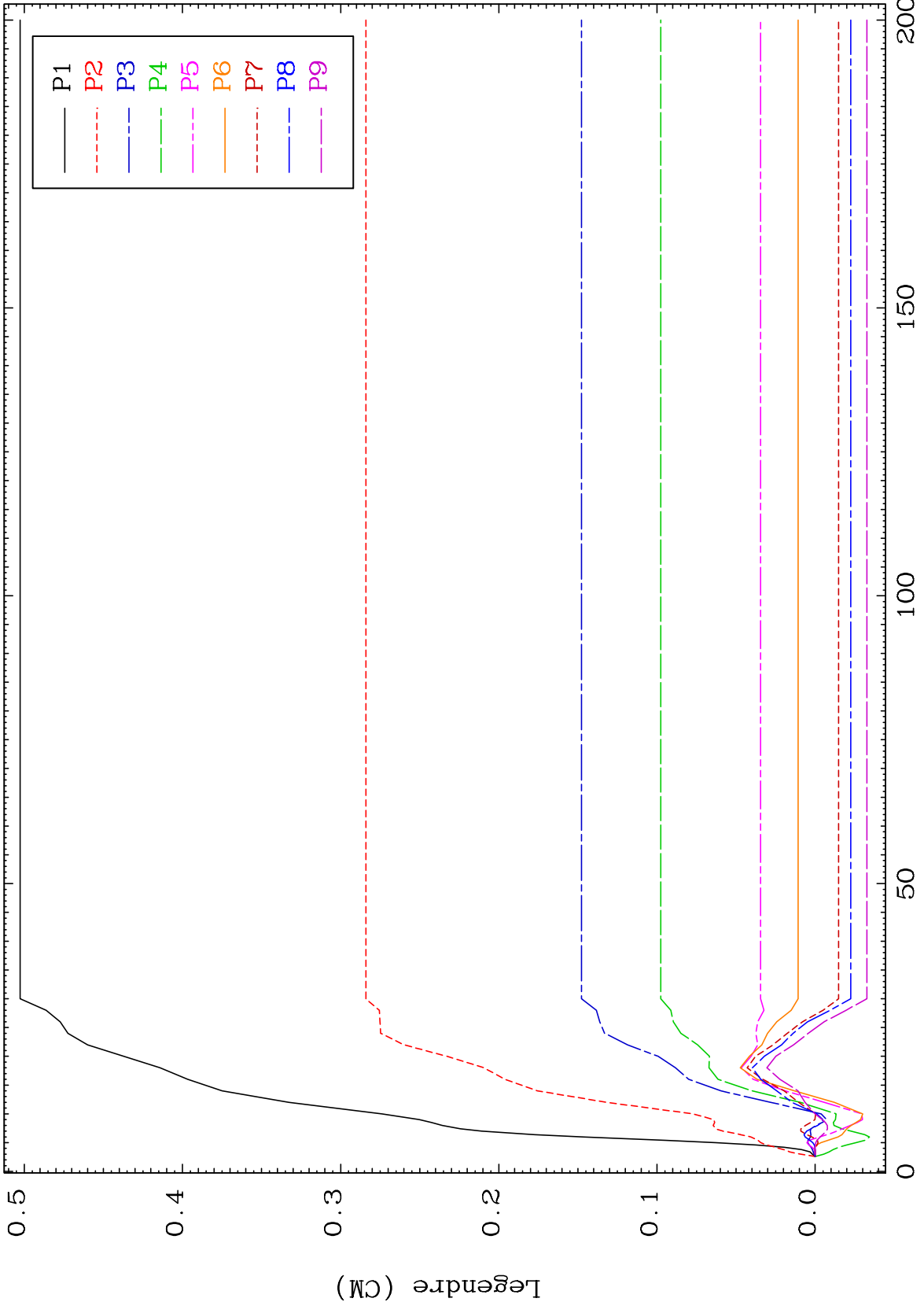
MAT 6607 MT= 73 (n,n') Level Legendre Coefficients 66-Dy-150



103 66-Dy-150



MAT 6607 MT= 74 (n,n') Level Legendre Coefficients 66-Dy-150

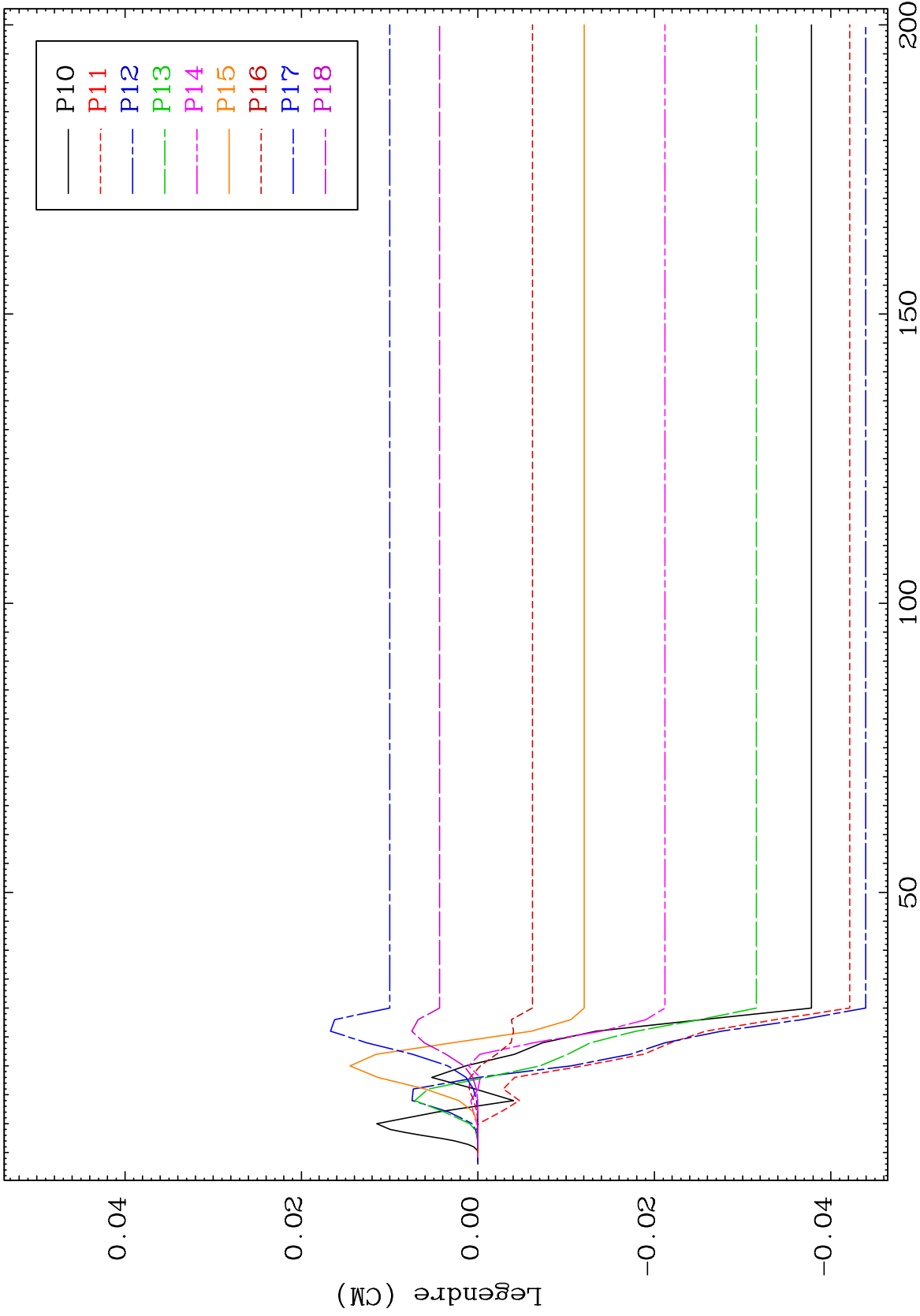


104 66-Dy-150

MAT 6607

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

66-Dy-150



105

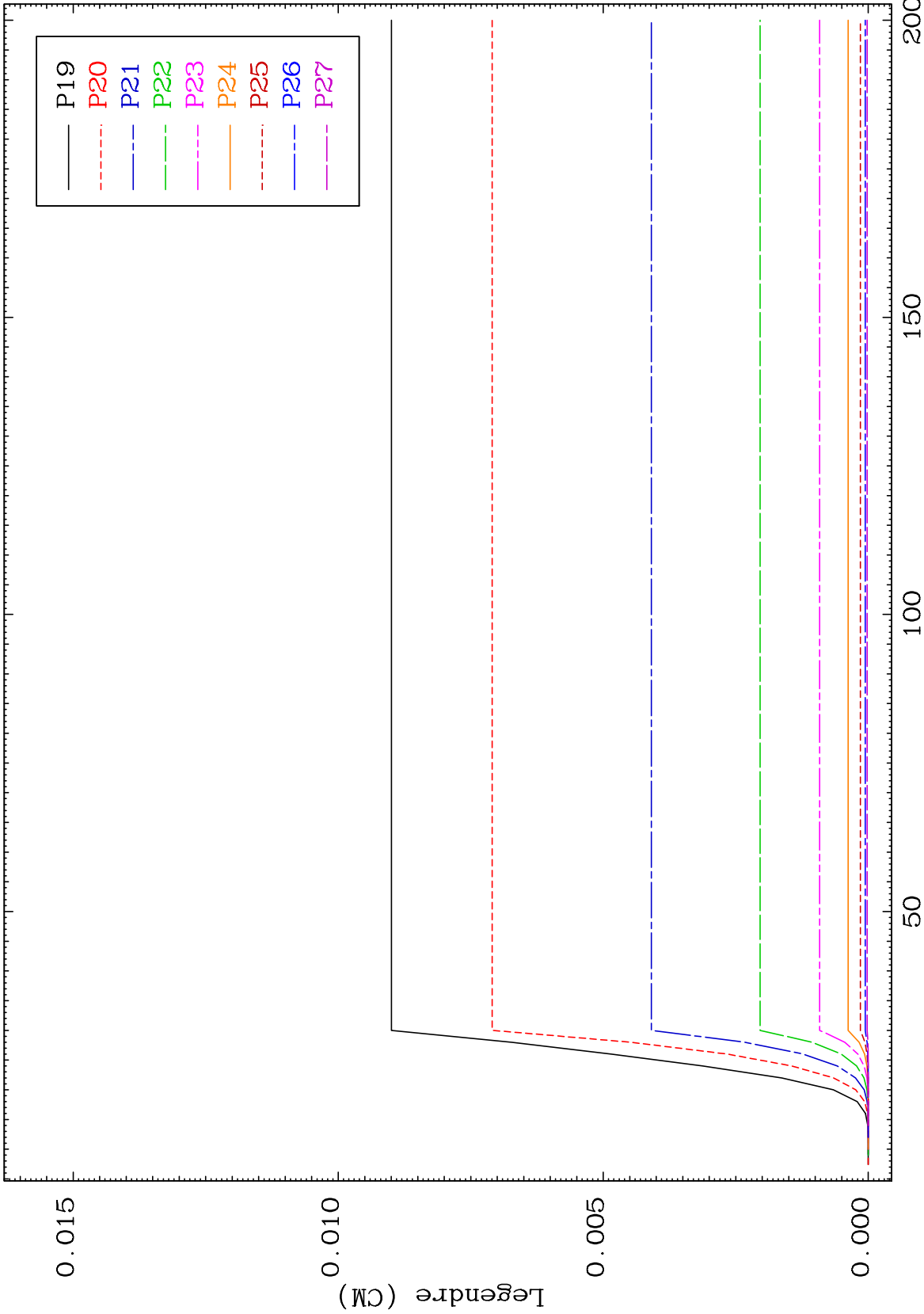
Incident Energy (MeV)

66-Dy-150

MAT 6607

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

66-Dy-150



106

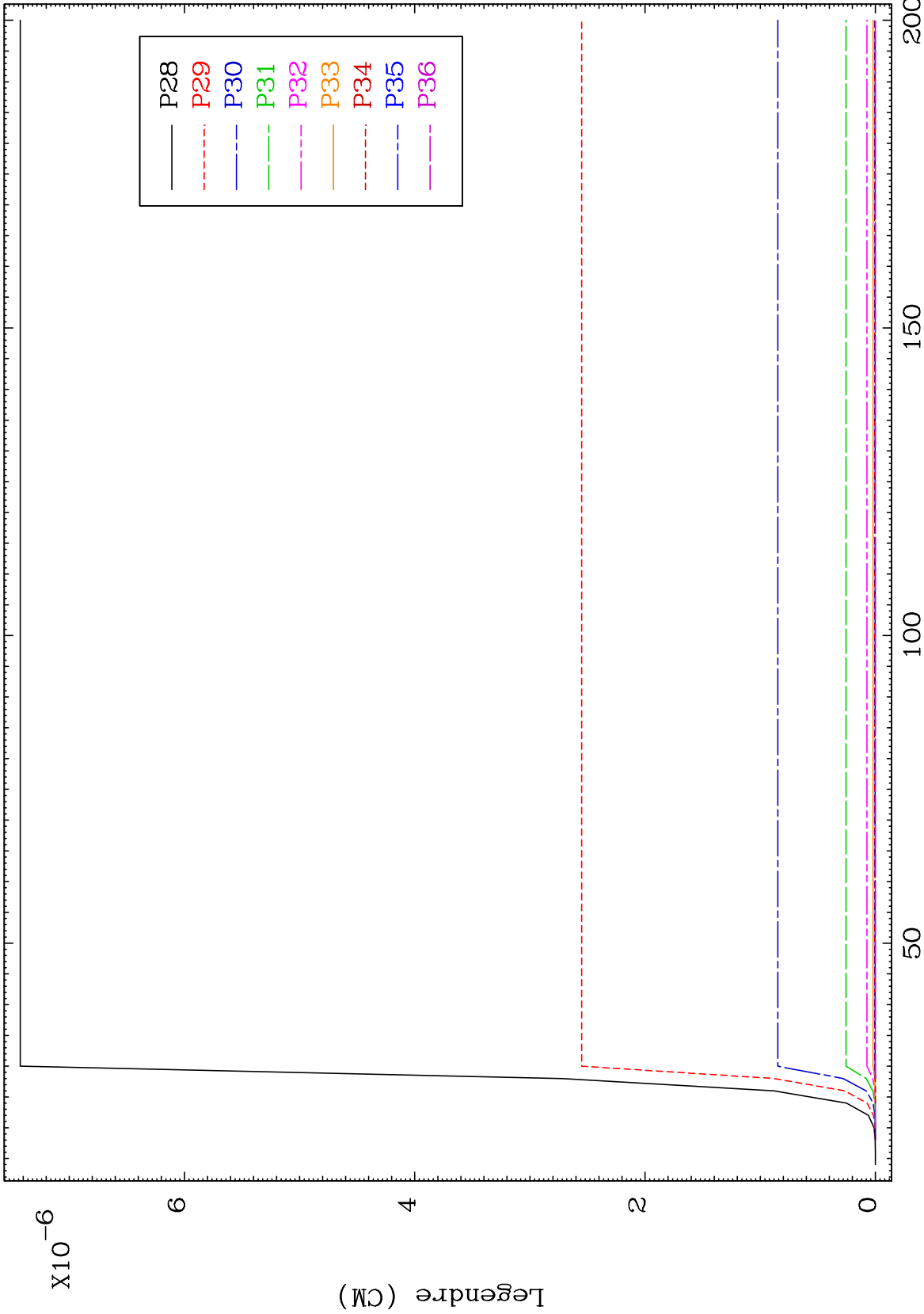
Incident Energy (MeV)

66-Dy-150

MAT 6607

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

66-Dy-150



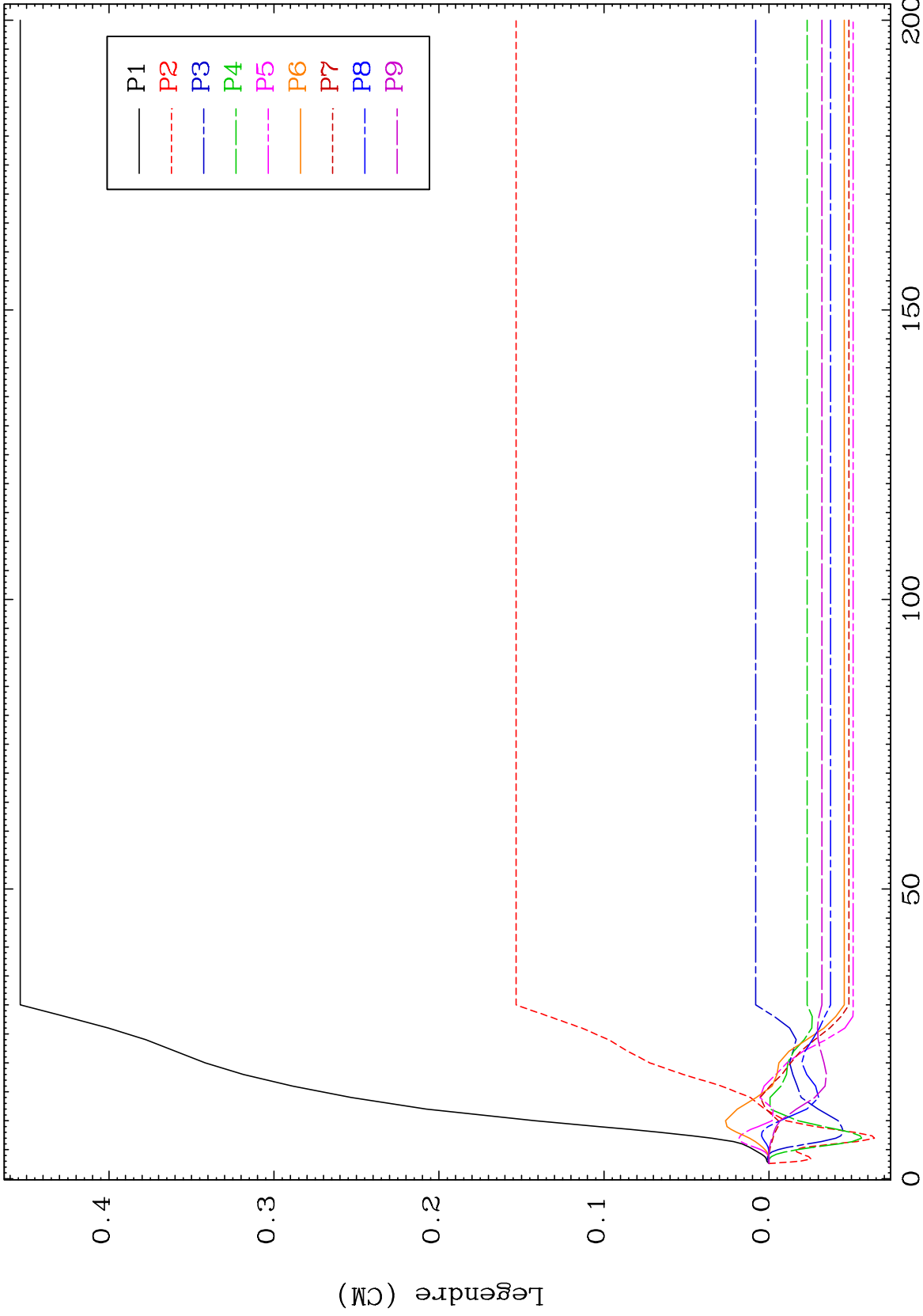
107

66-Dy-150

MAT 6607

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

66-Dy-150



108

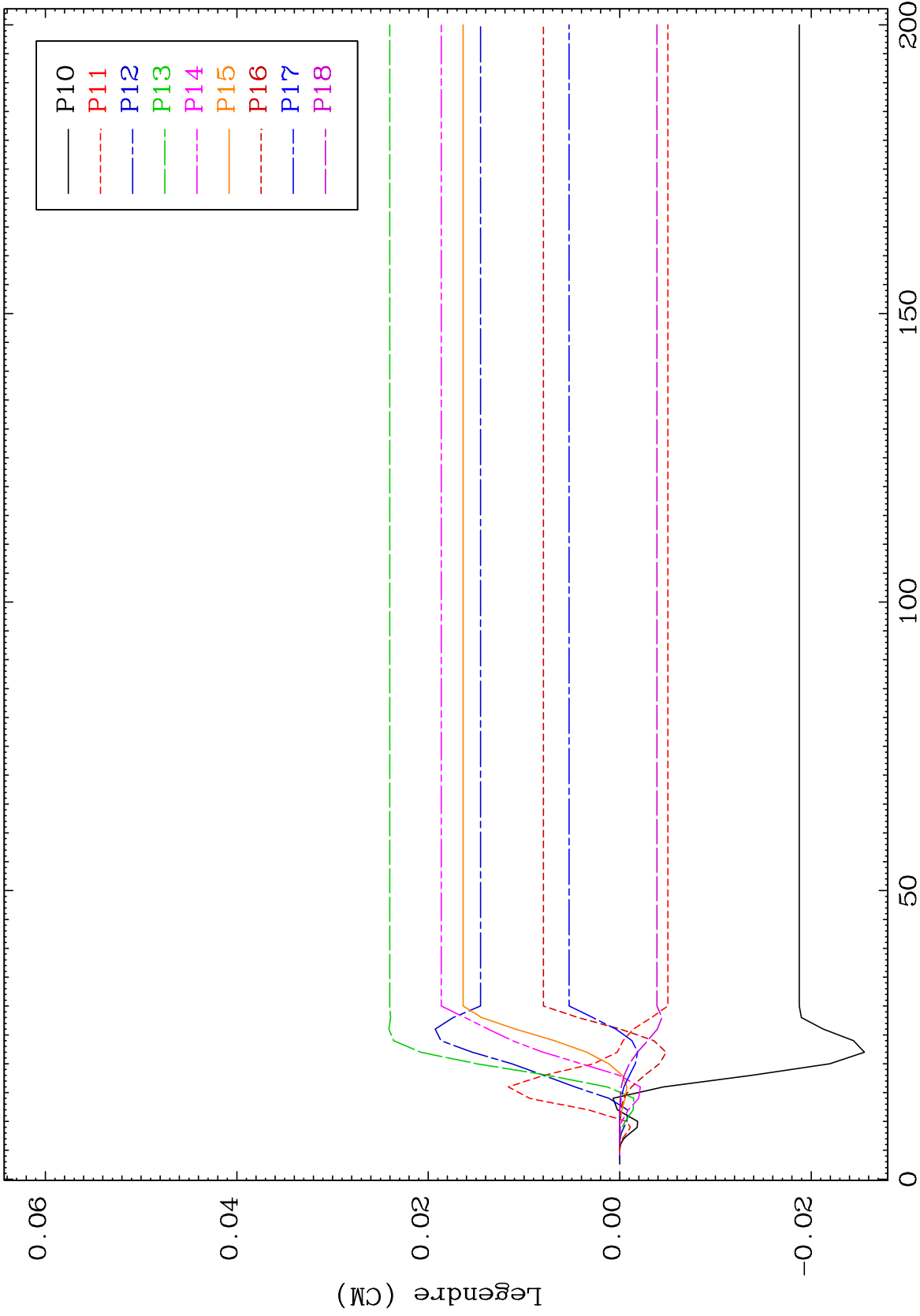
Incident Energy (MeV)

66-Dy-150

MAT 6607

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

66-Dy-150



109

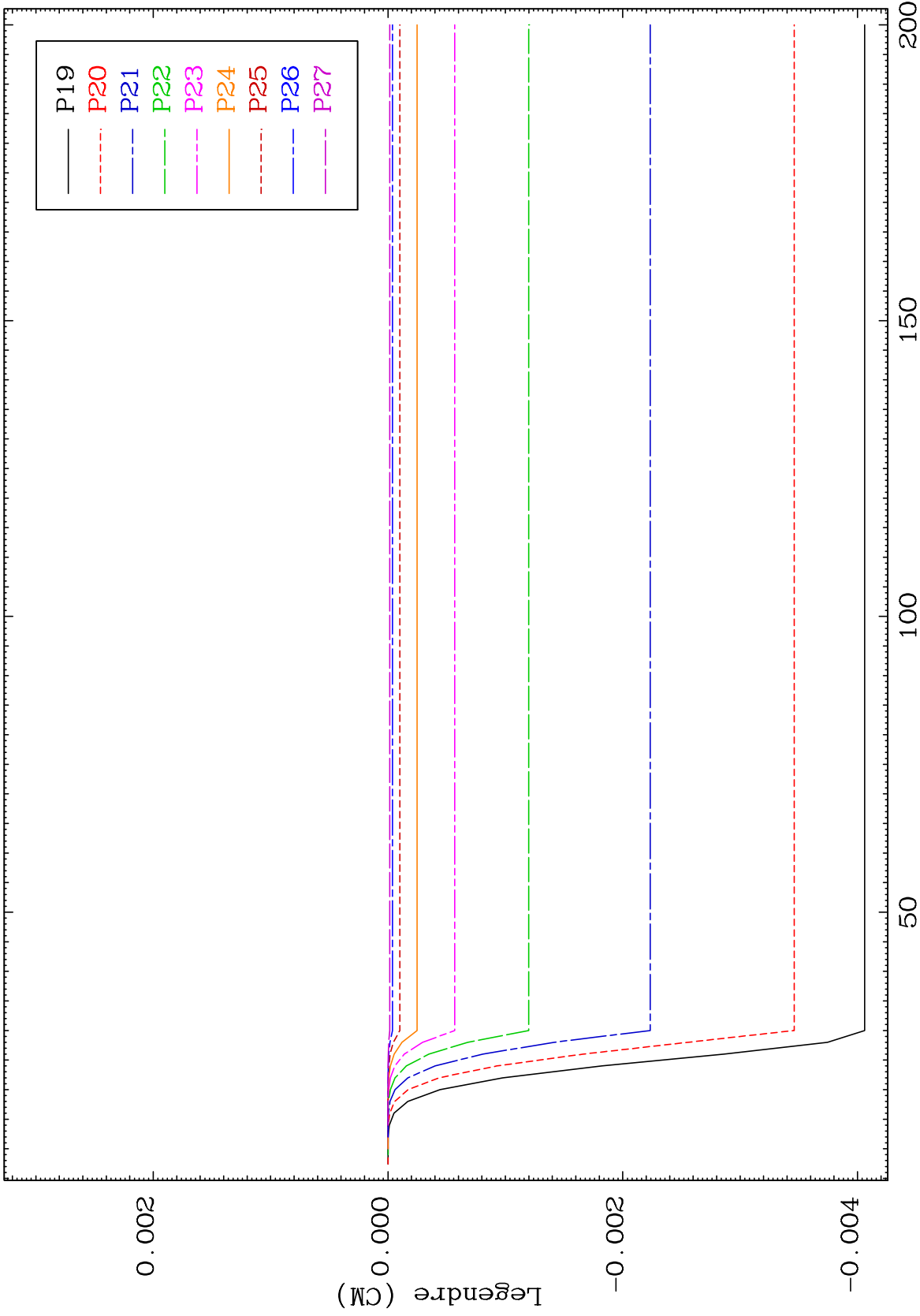
Incident Energy (MeV)

66-Dy-150

MAT 6607

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

66-Dy-150



110

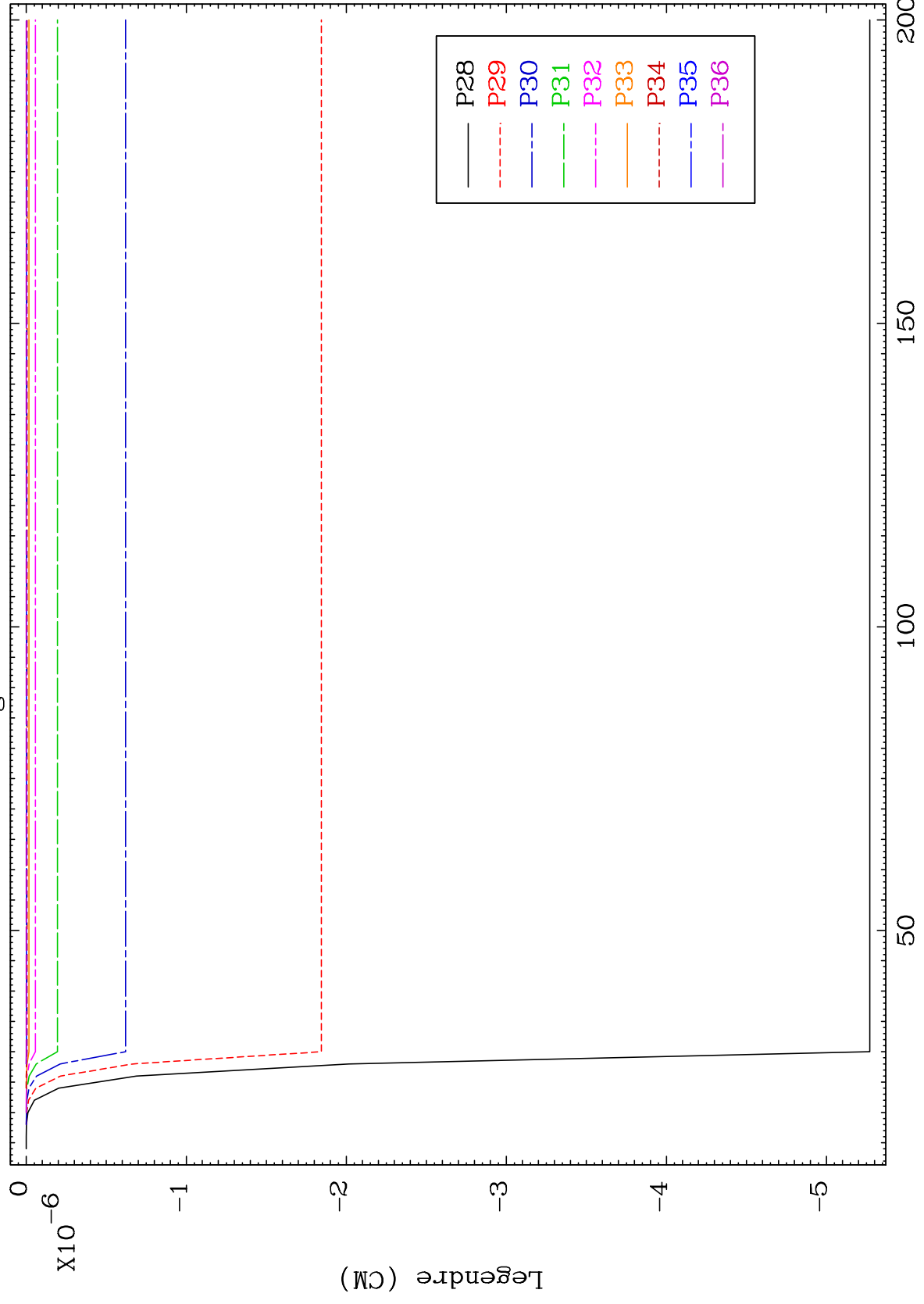
Incident Energy (MeV)

66-Dy-150

MAT 6607

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

66-Dy-150



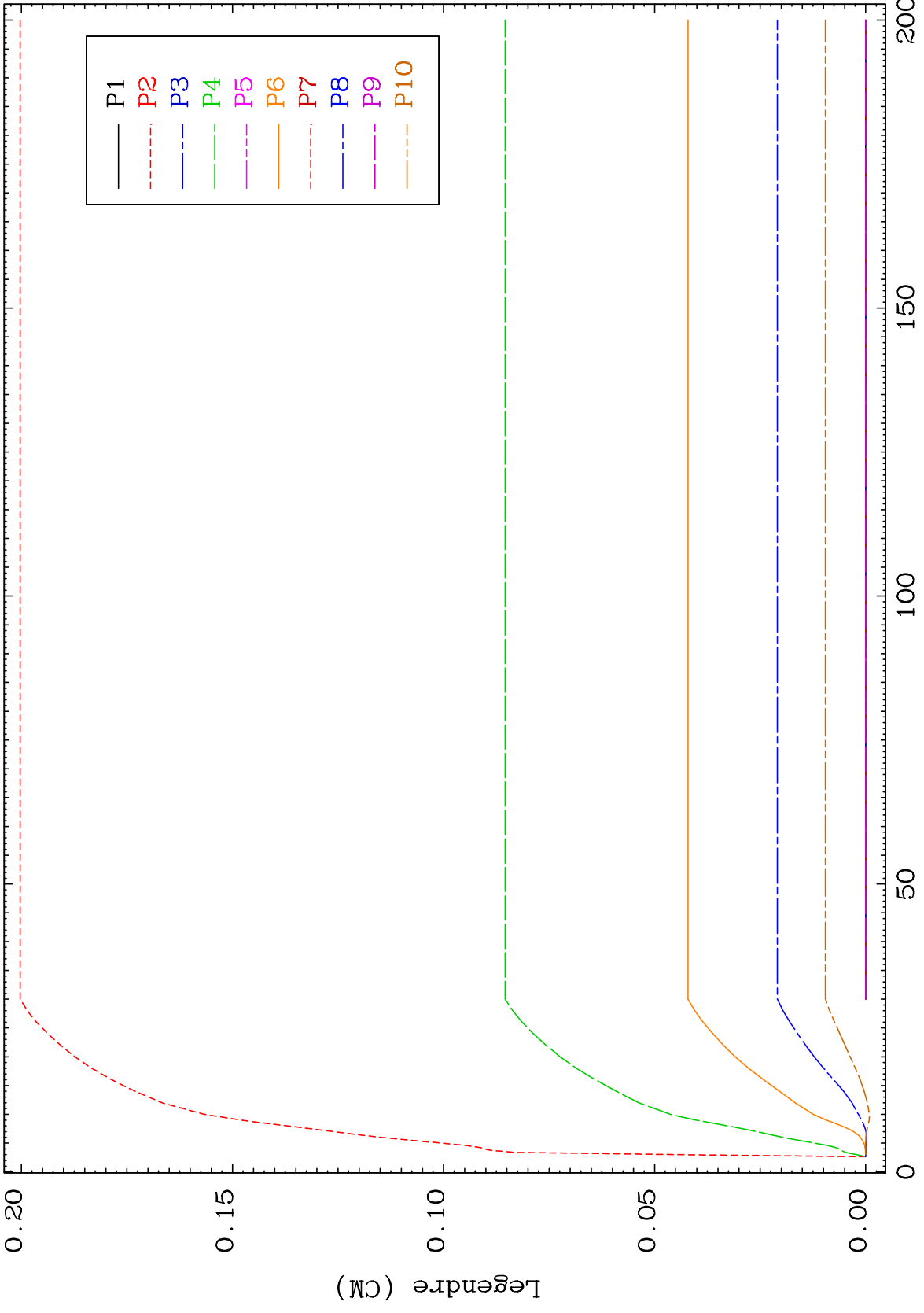
66-Dy-150

Incident Energy (MeV)

111

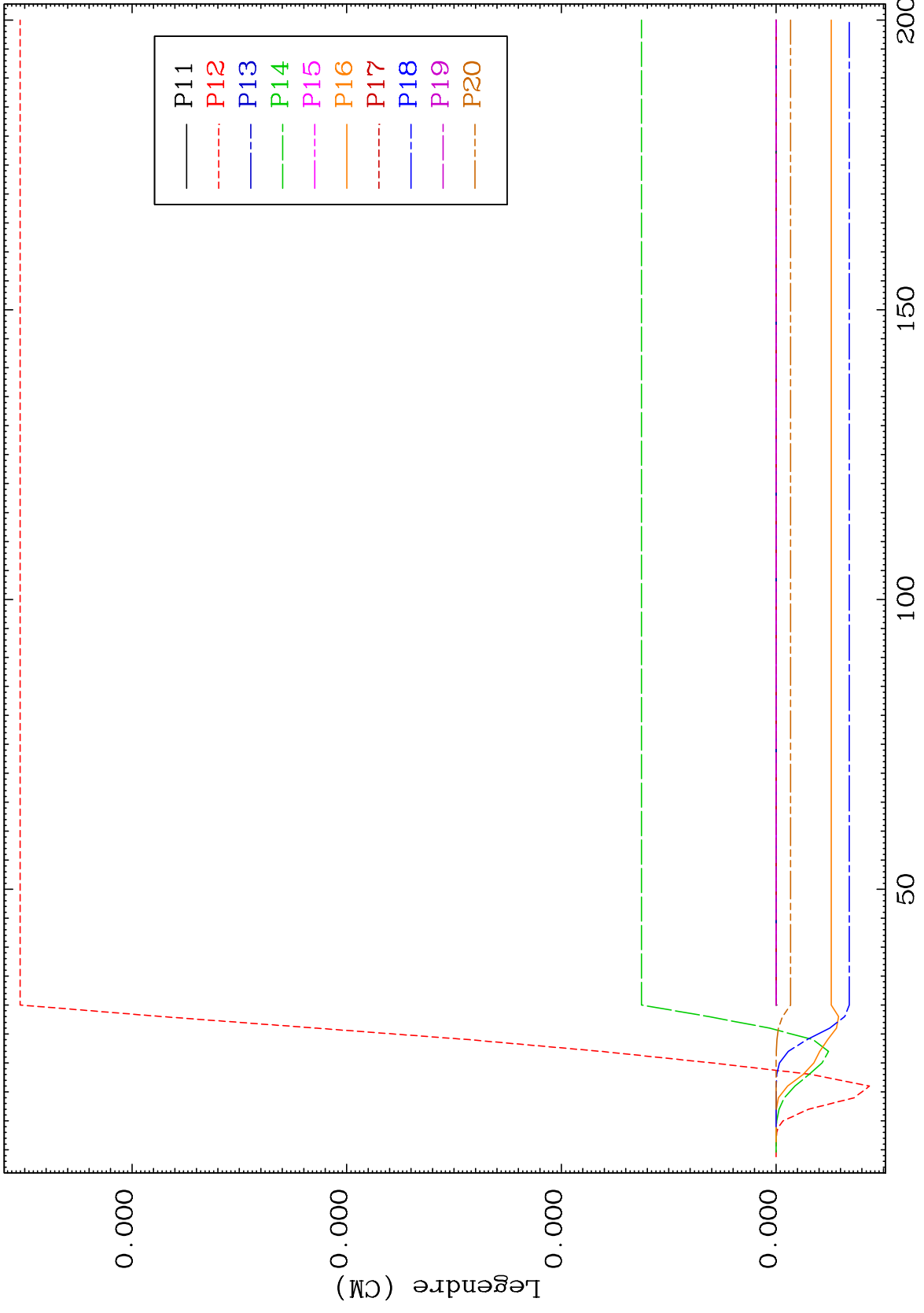


MAT 6607 MT= 76 (n,n') Level Legendre Coefficients 66-Dy-150



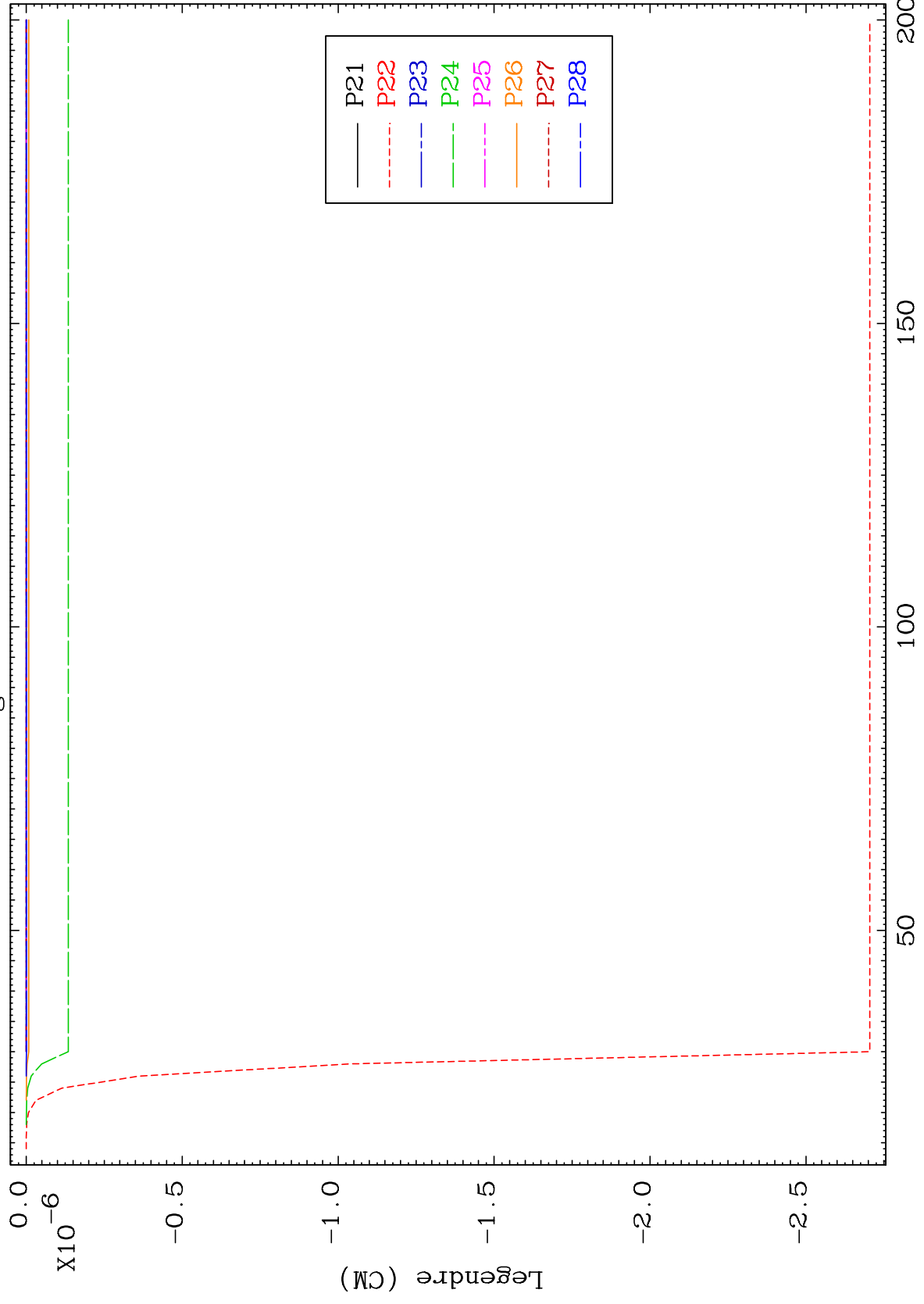
112 Incident Energy (MeV) 66-Dy-150

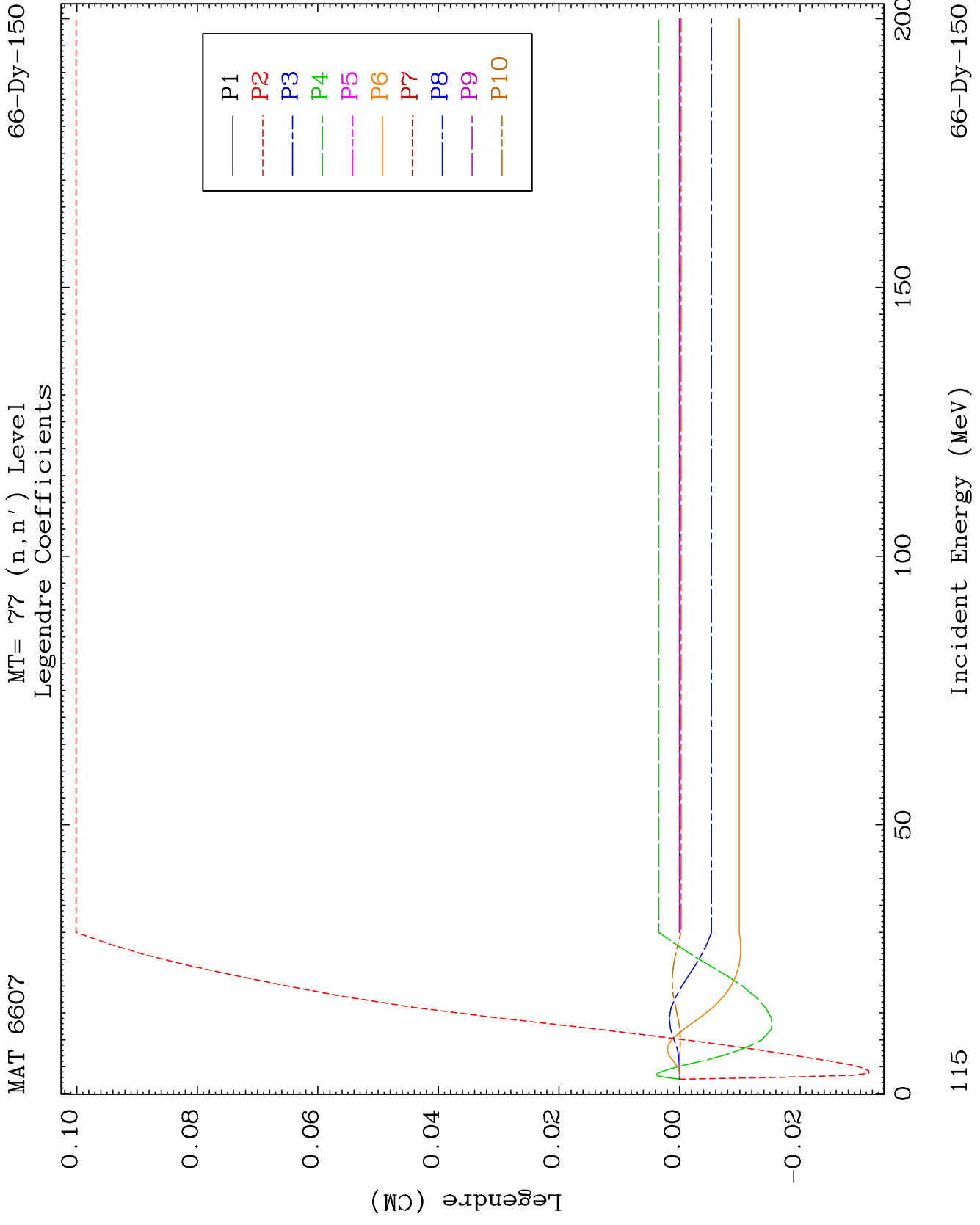
MAT 6607 MT= 76 (n,n') Level Legendre Coefficients 66-Dy-150



113 66-Dy-150

MAT 6607 MT= 76 (n,n') Level Legendre Coefficients 66-Dy-150

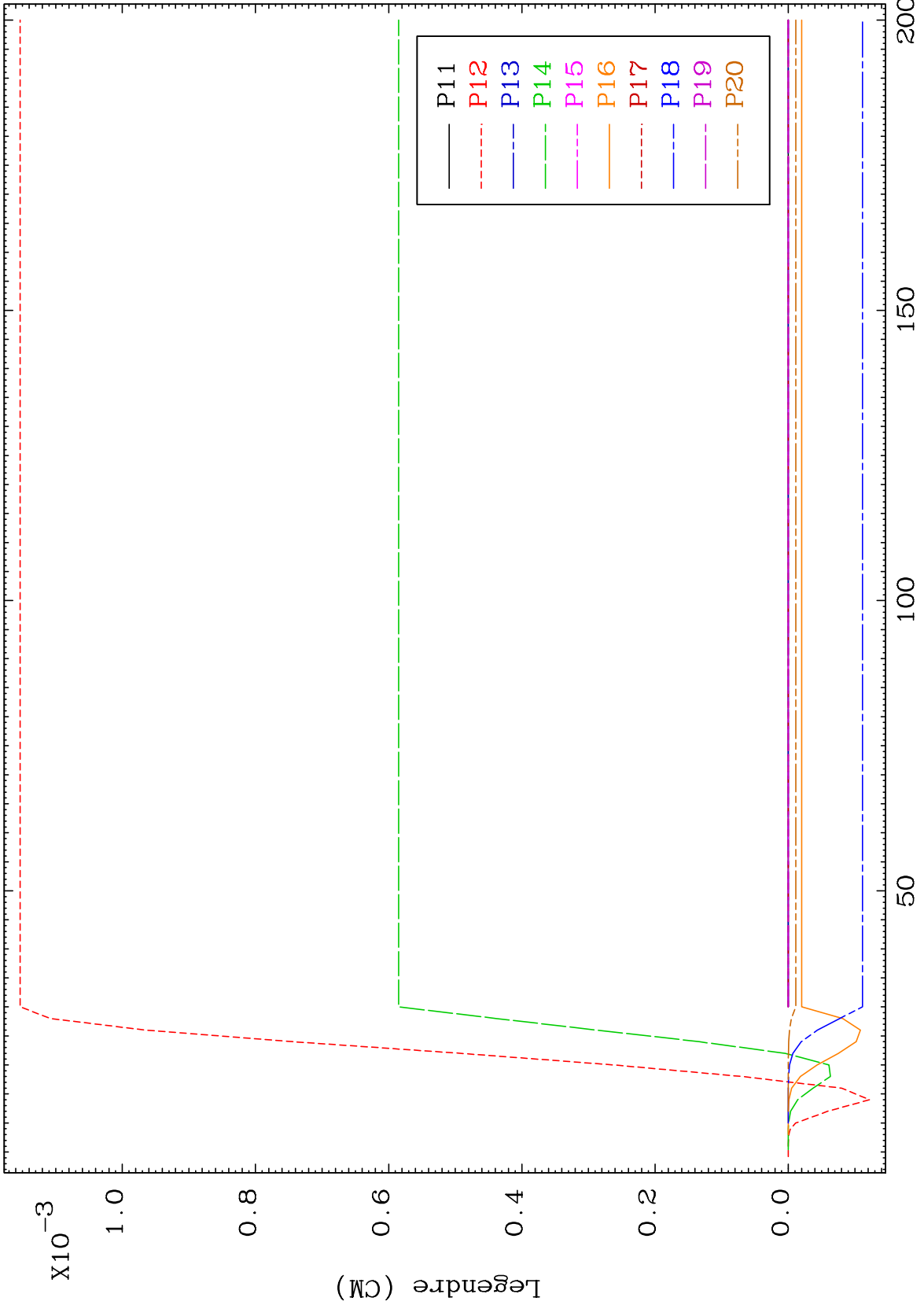




MAT 6607

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

66-Dy-150

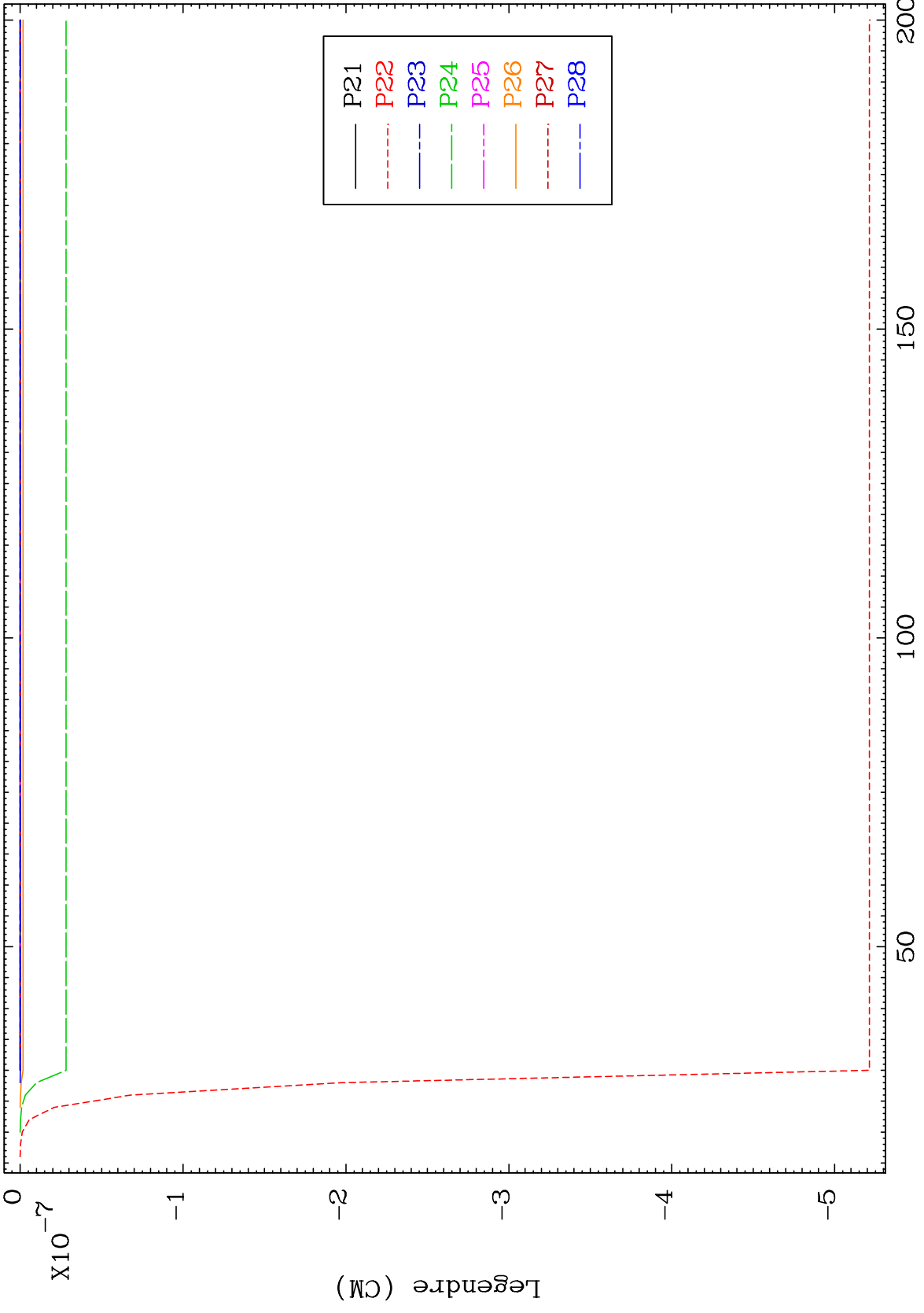


116

Incident Energy (MeV)

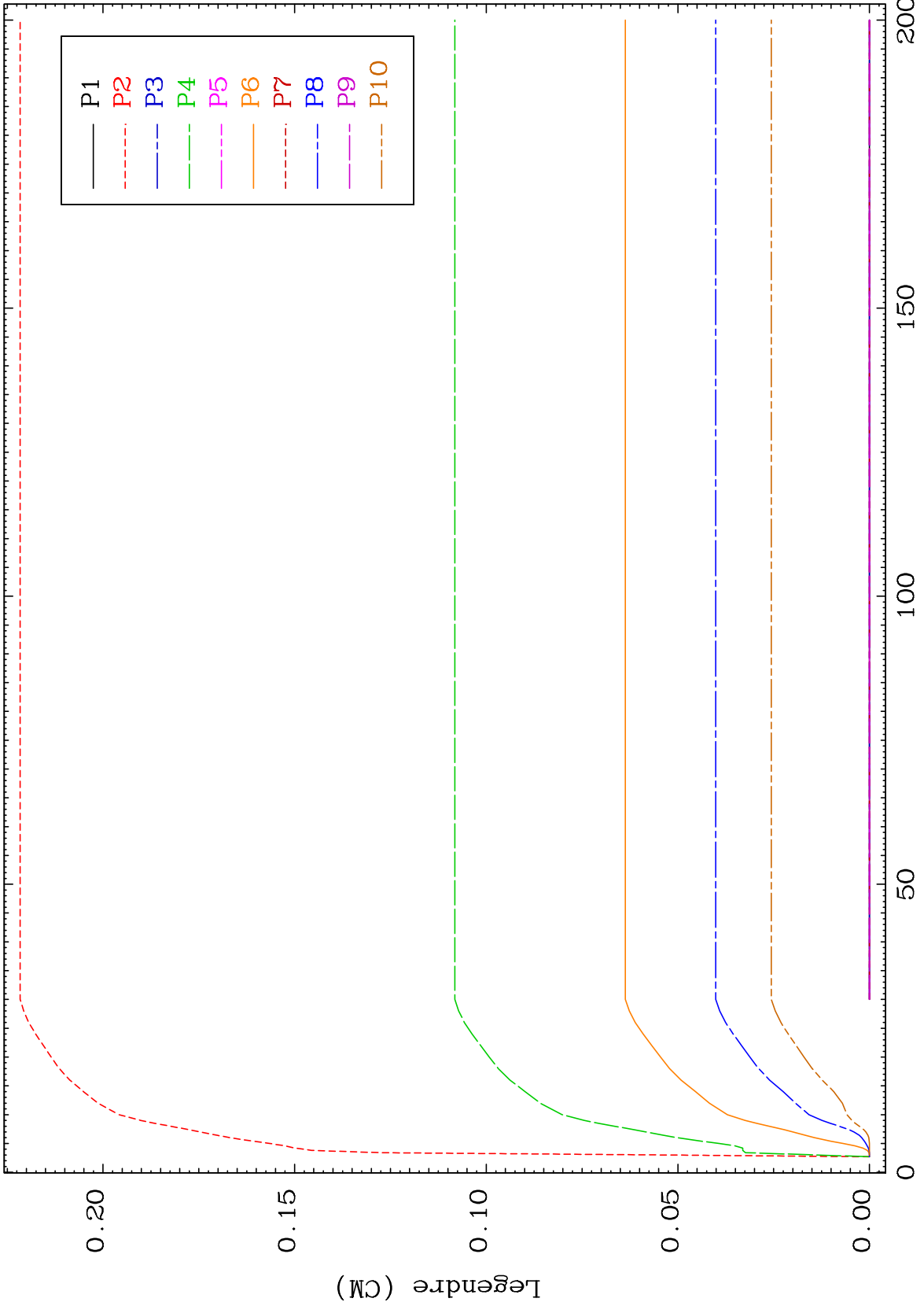
66-Dy-150

MAT 6607 MT= 77 (n,n') Level Legendre Coefficients 66-Dy-150



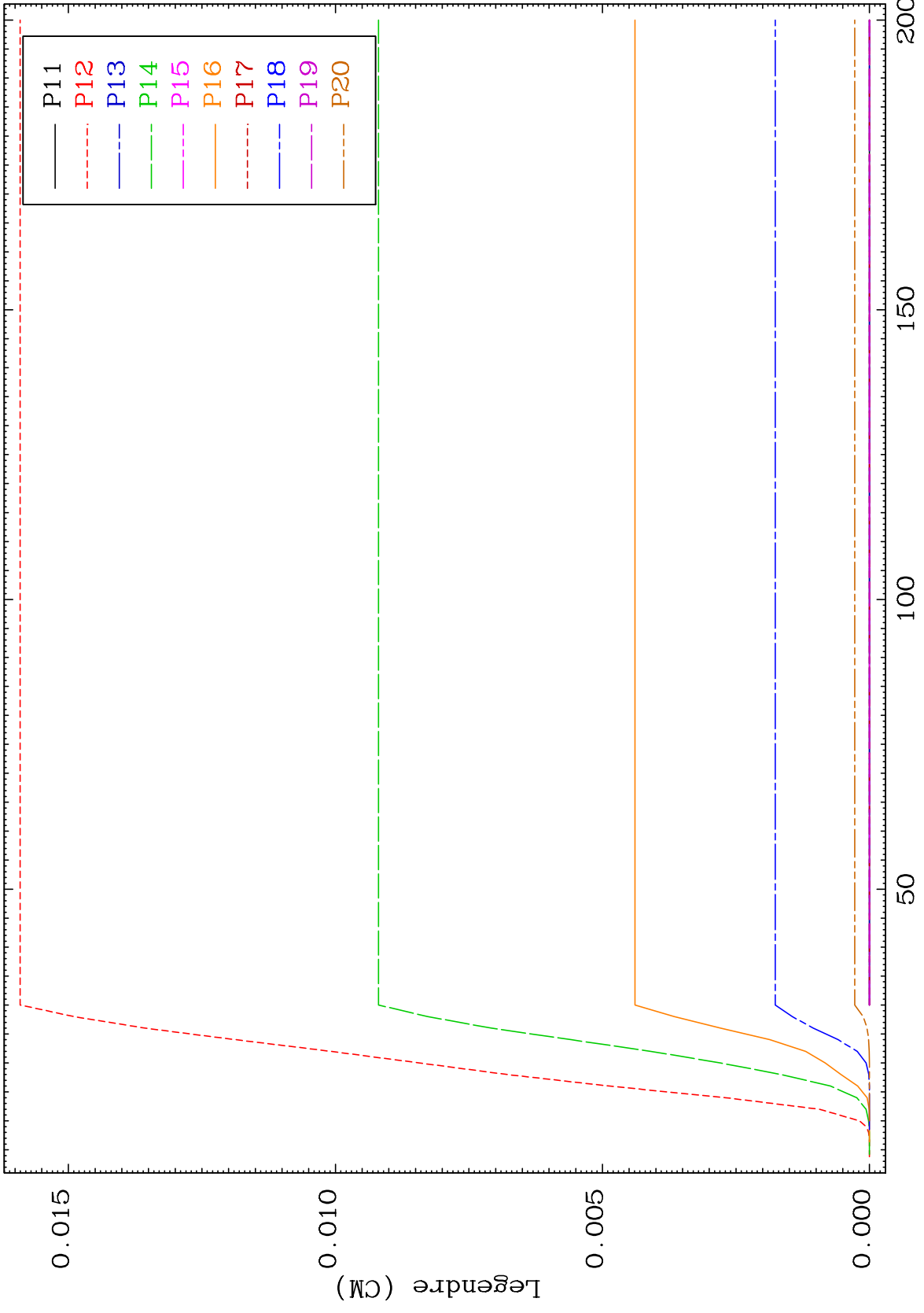
117 66-Dy-150

MAT 6607 MT= 78 (n,n') Level Legendre Coefficients 66-Dy-150



118 66-Dy-150

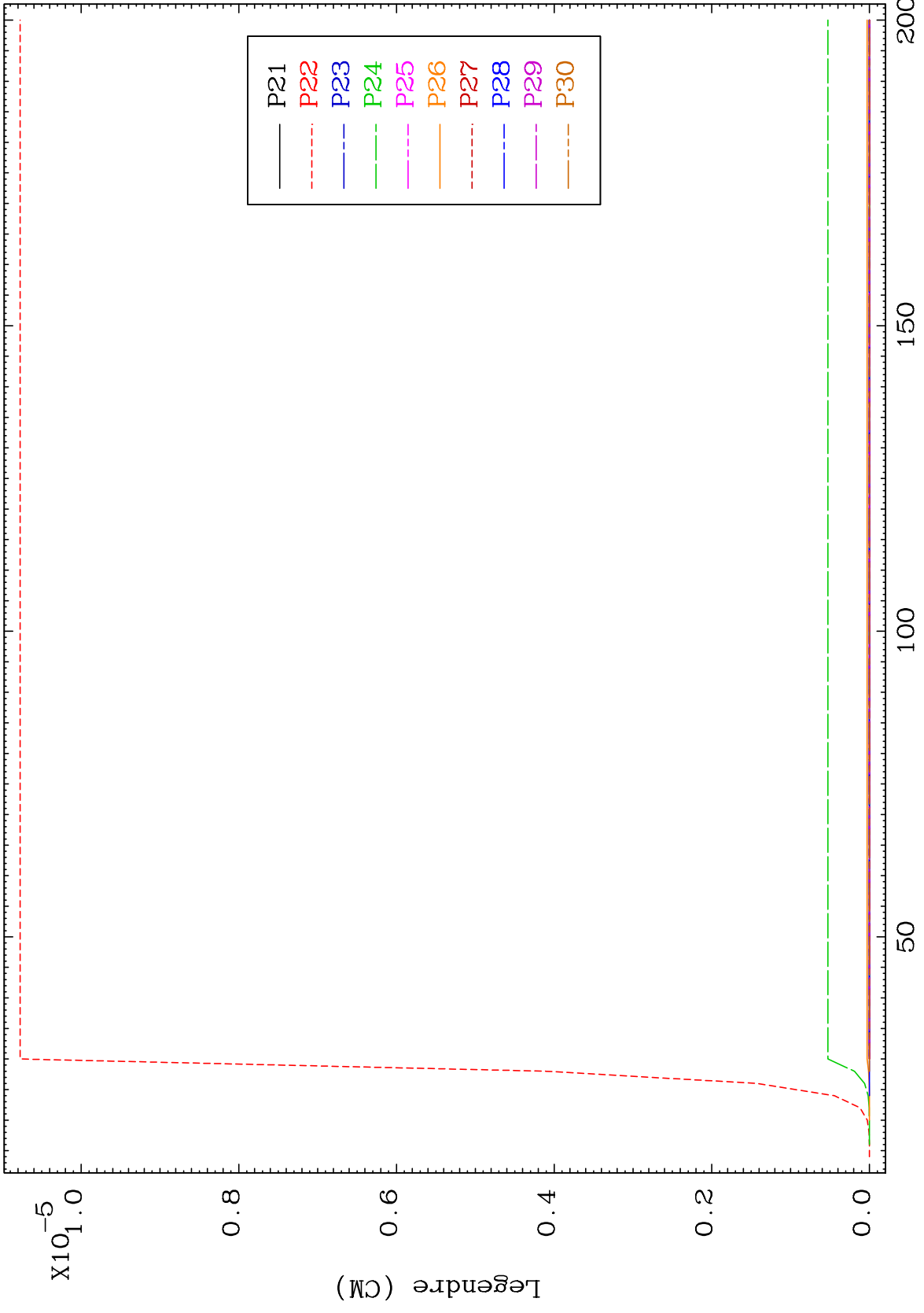
MAT 6607 MT= 78 (n,n') Level Legendre Coefficients 66-Dy-150



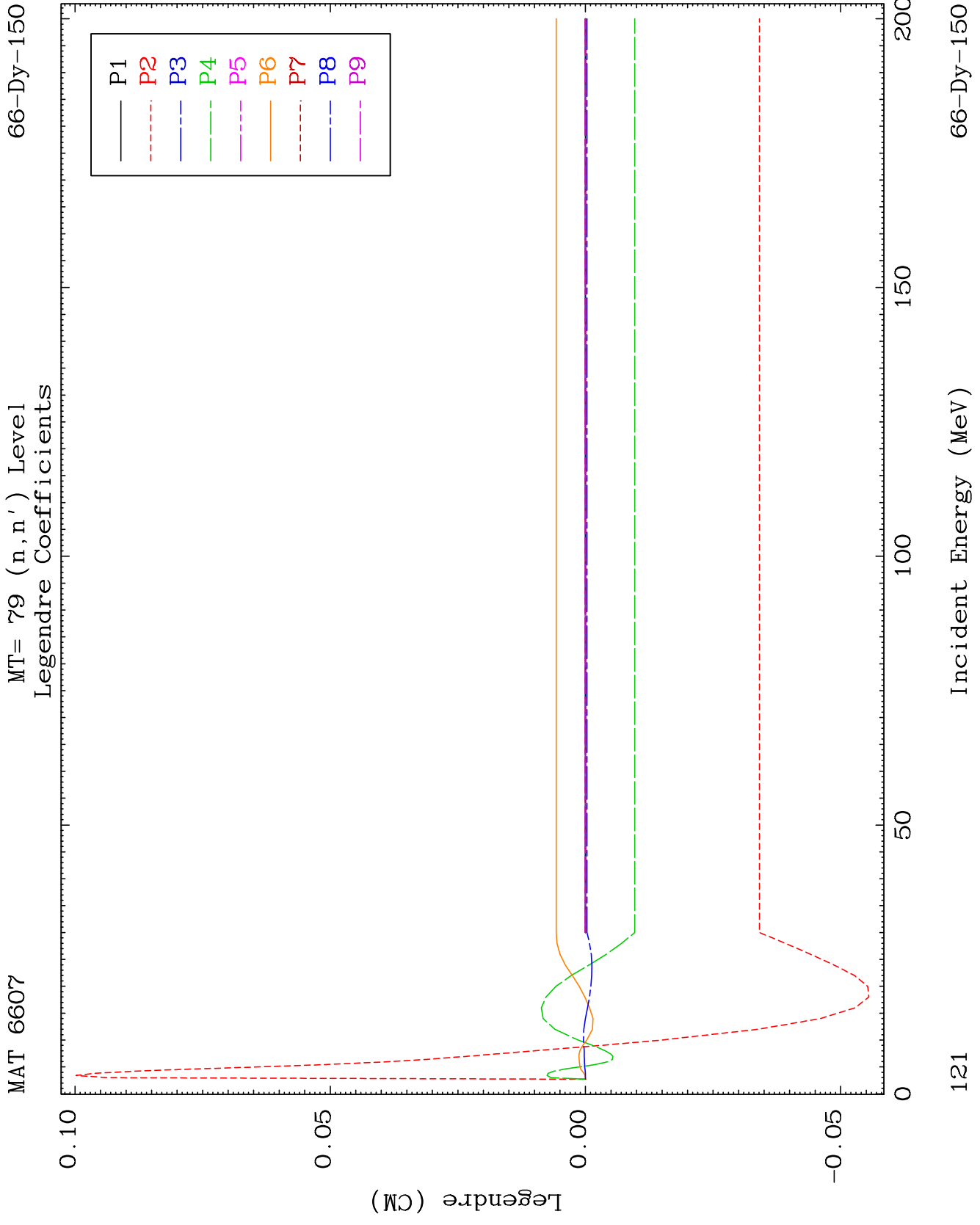
119 66-Dy-150



MAT 6607 MT= 78 (n,n') Level Legendre Coefficients 66-Dy-150



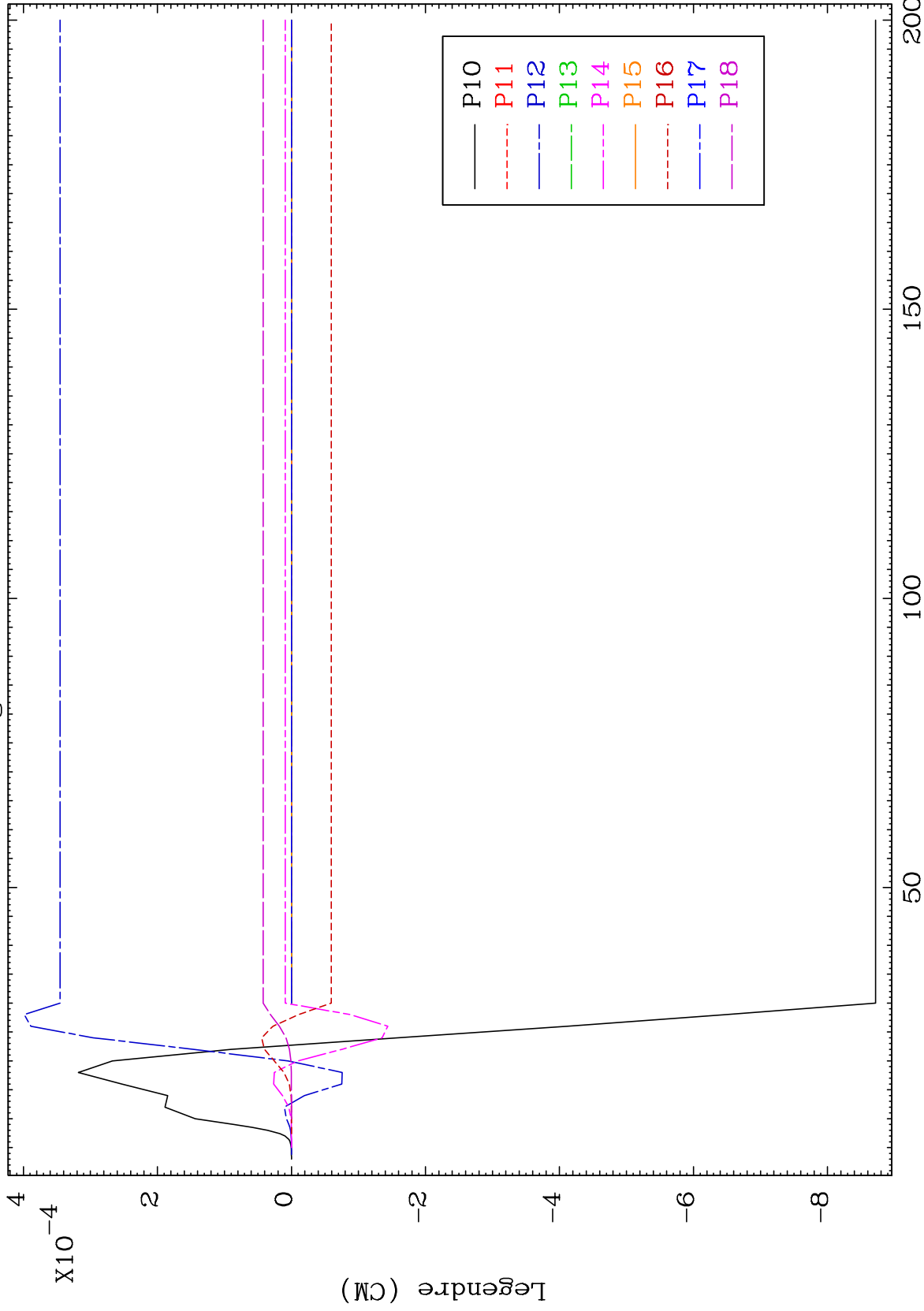
Incident Energy (MeV) 66-Dy-150



MAT 6607

MT= 79 (n,n') Level  
Legendre Coefficients

66-Dy-150

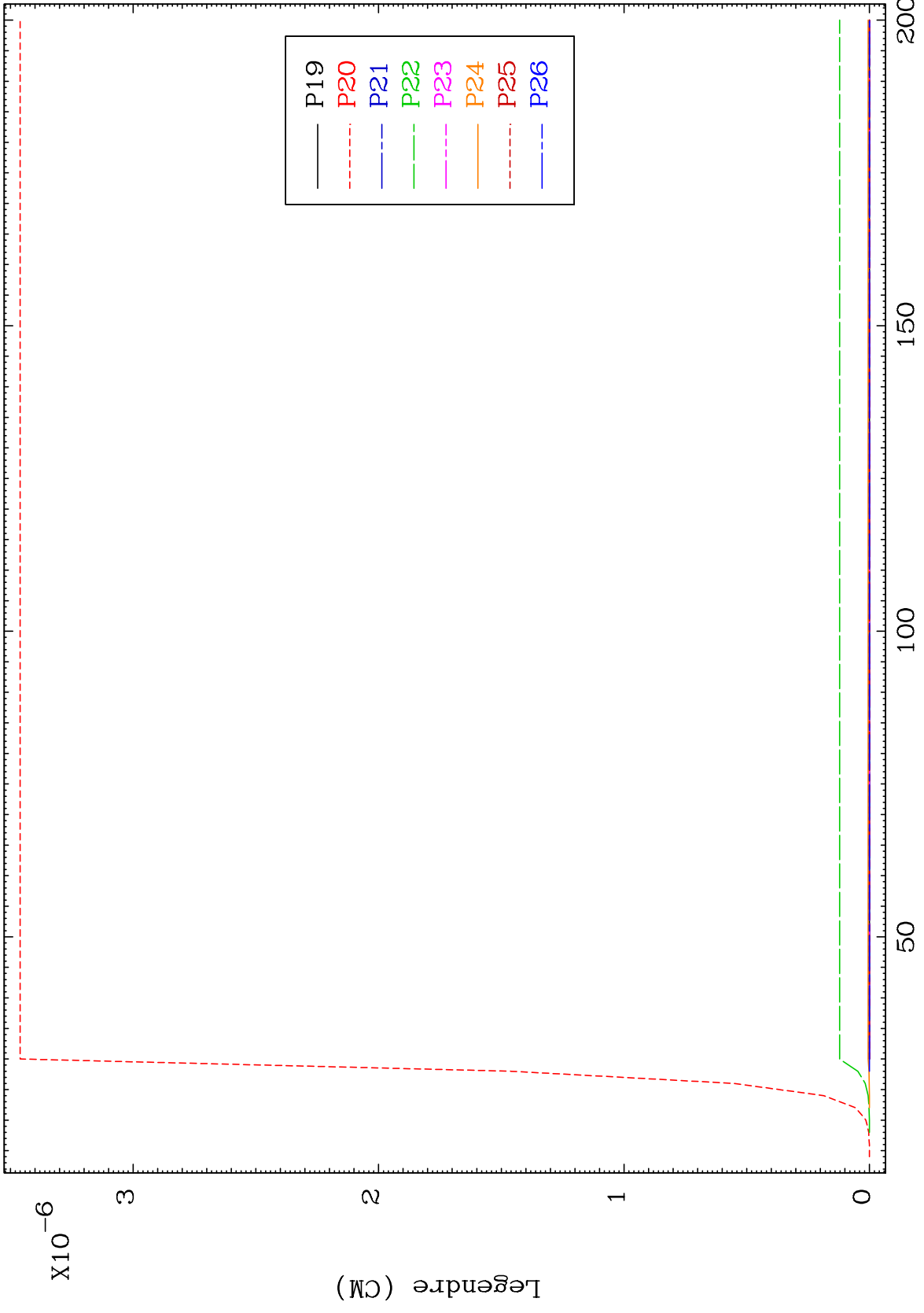


122

Incident Energy (MeV)

66-Dy-150

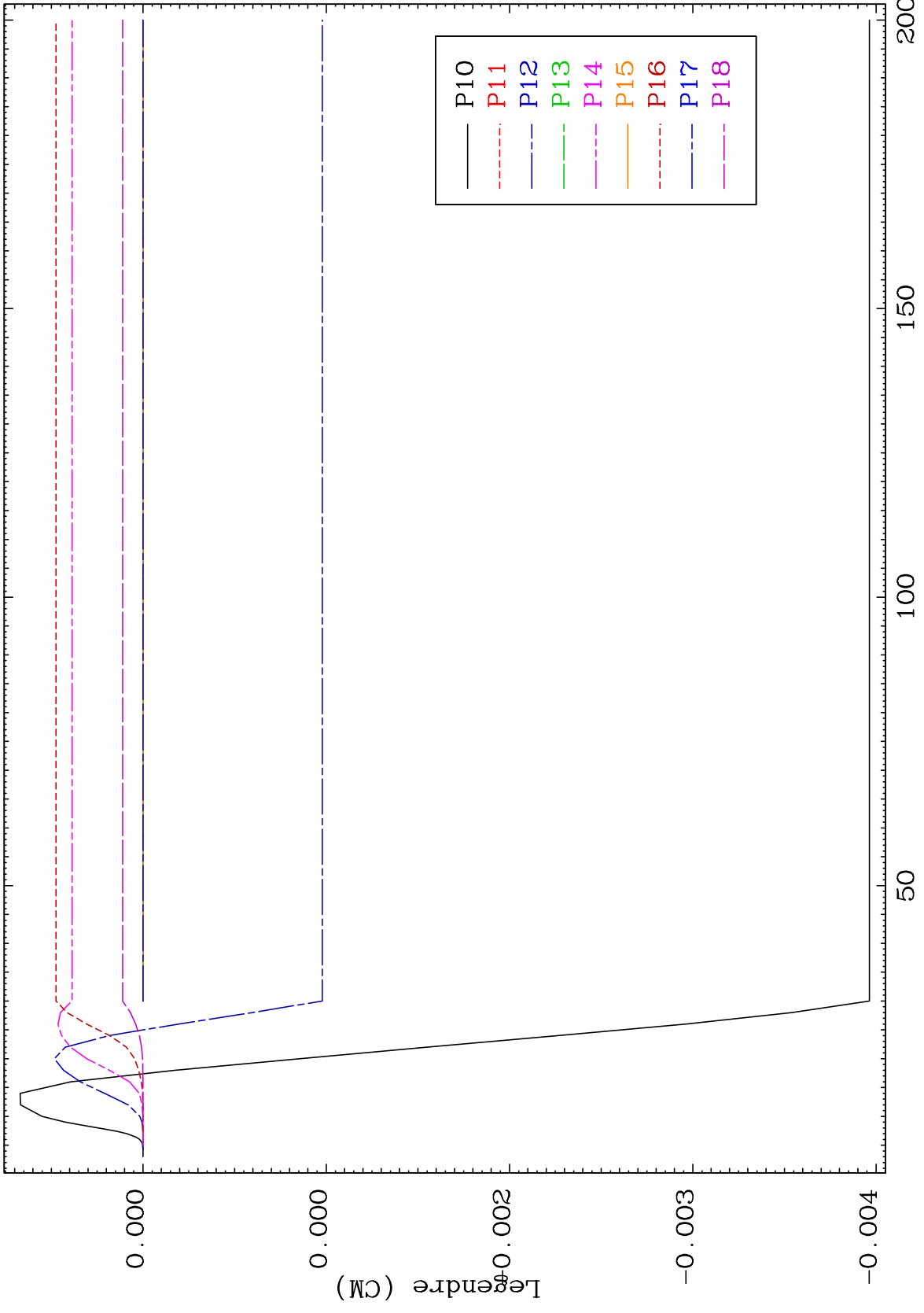
MAT 6607 MT= 79 (n,n') Level Legendre Coefficients 66-Dy-150



123 66-Dy-150

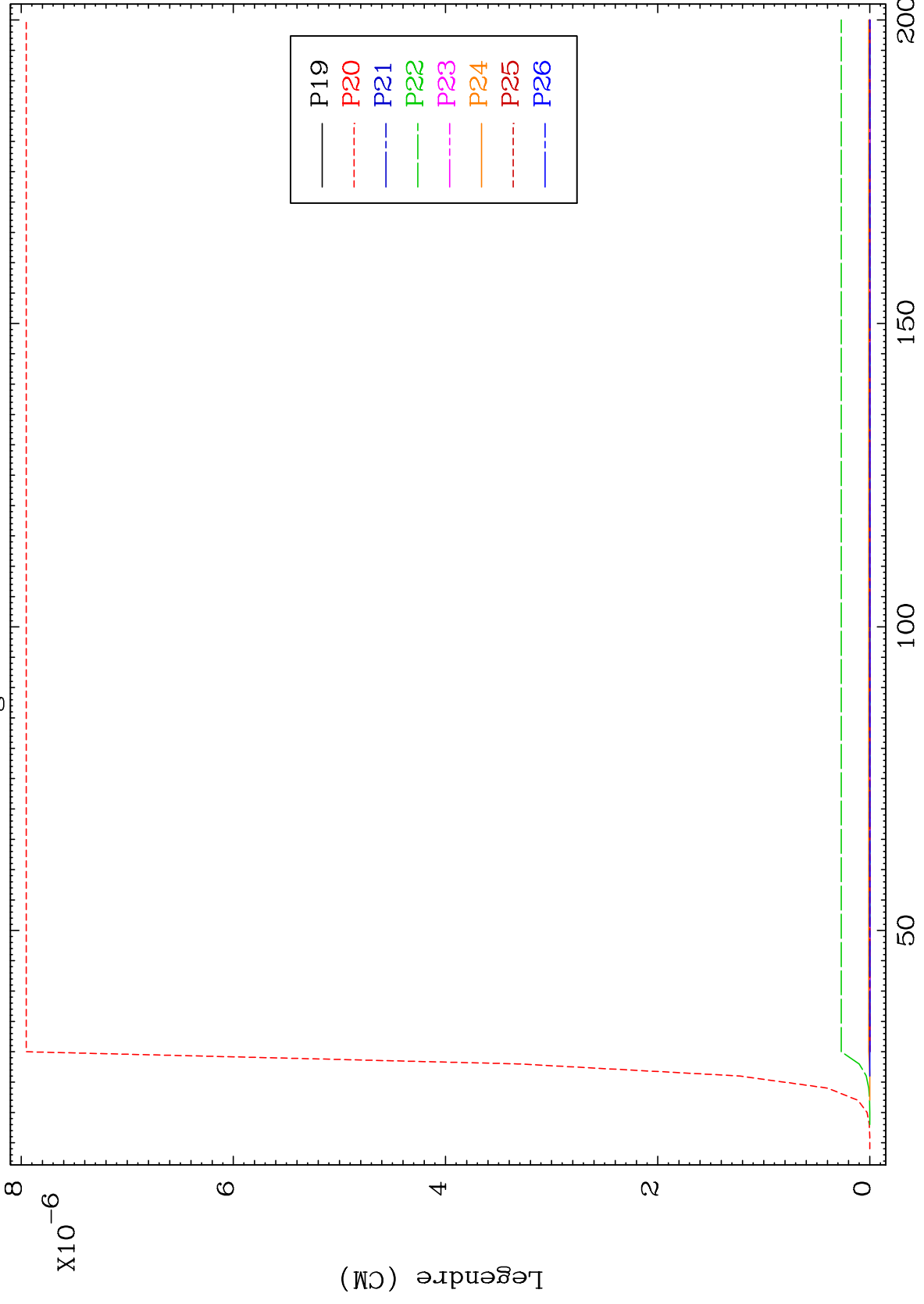


MAT 6607 MT= 80 (n,n') Level Legendre Coefficients 66-Dy-150



125 66-Dy-150

MAT 6607 MT= 80 (n,n') Level Legendre Coefficients 66-Dy-150



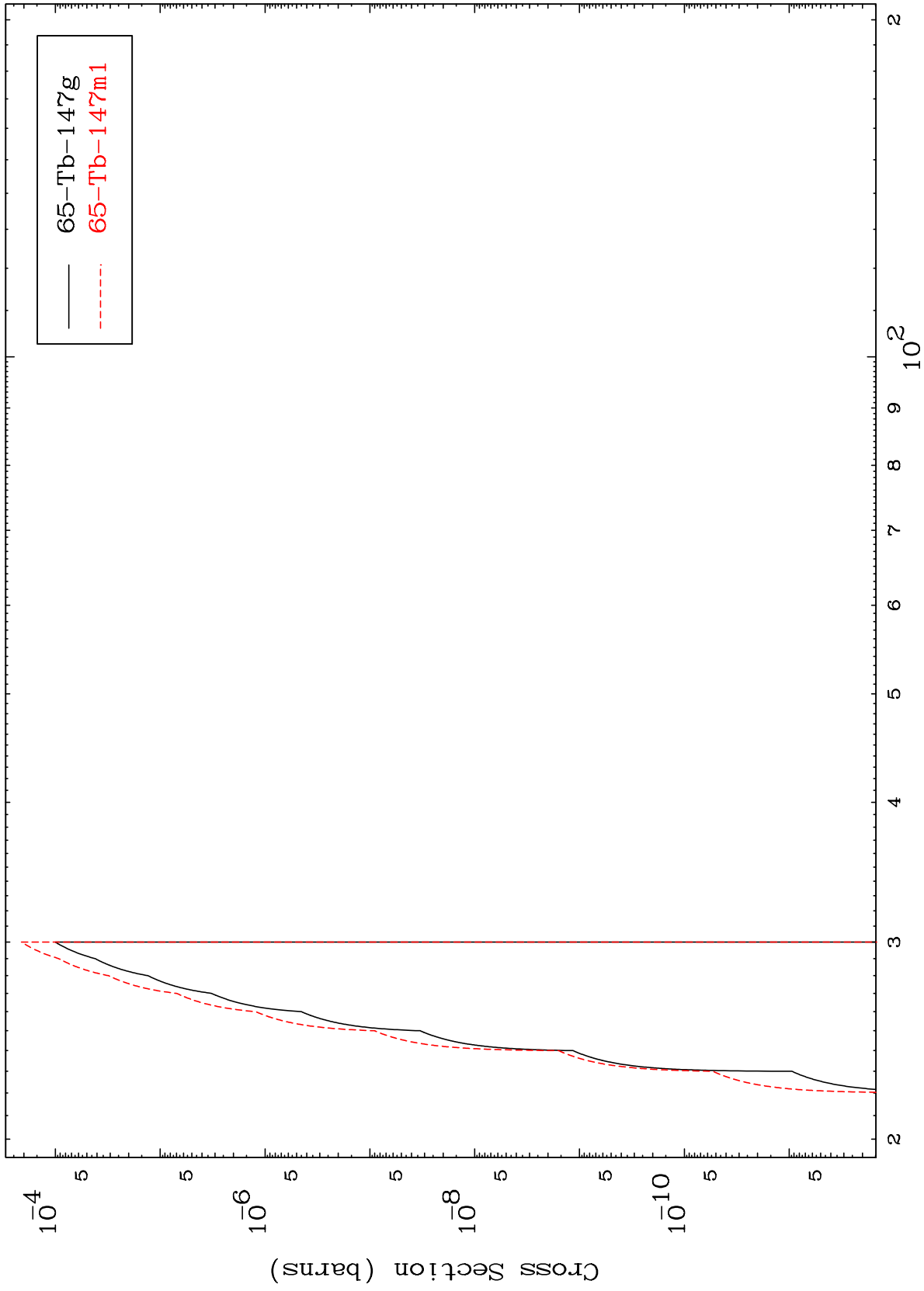
126 66-Dy-150

MAT 6607

(n,2n) d

66-Dy-150

Radionuclide Production Cross Section



127

Incident Energy (MeV)

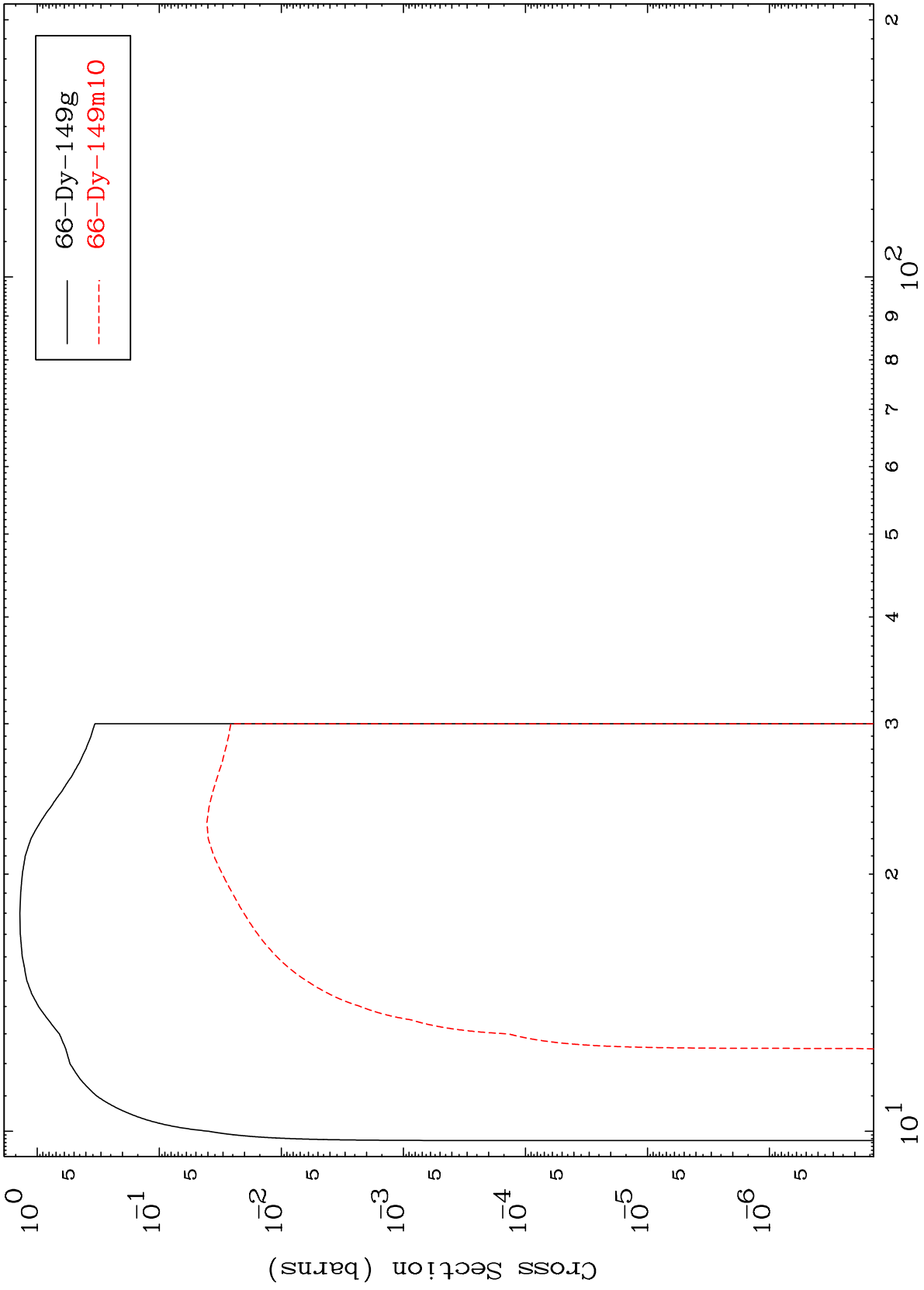
66-Dy-150



MAT 6607

66-Dy-150

(n,2n)  
Radionuclide Production Cross Section



128

Incident Energy (MeV)

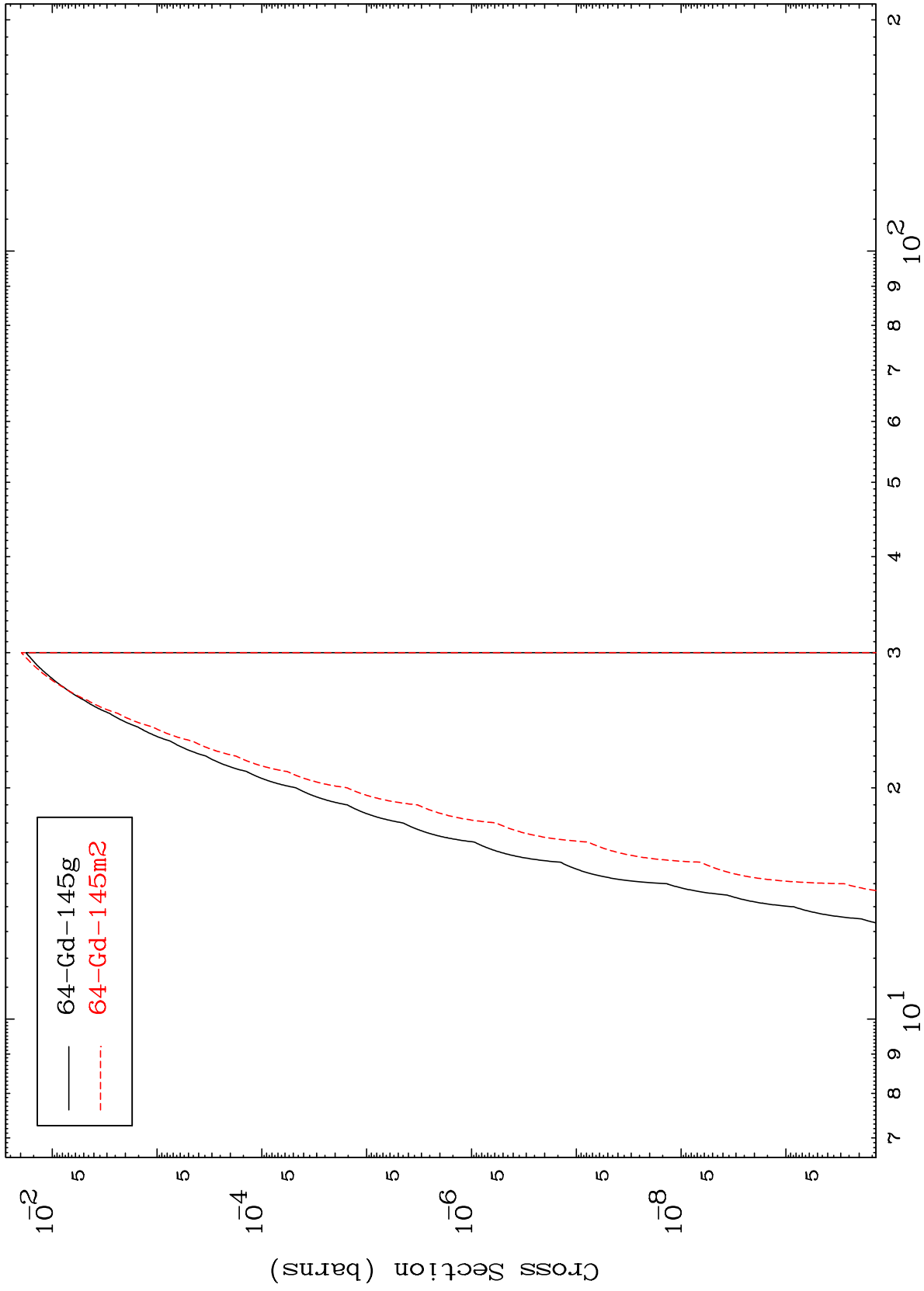
66-Dy-150

MAT 6607

(n,2n)  $\alpha$

66-Dy-150

Radionuclide Production Cross Section



129

Incident Energy (MeV)

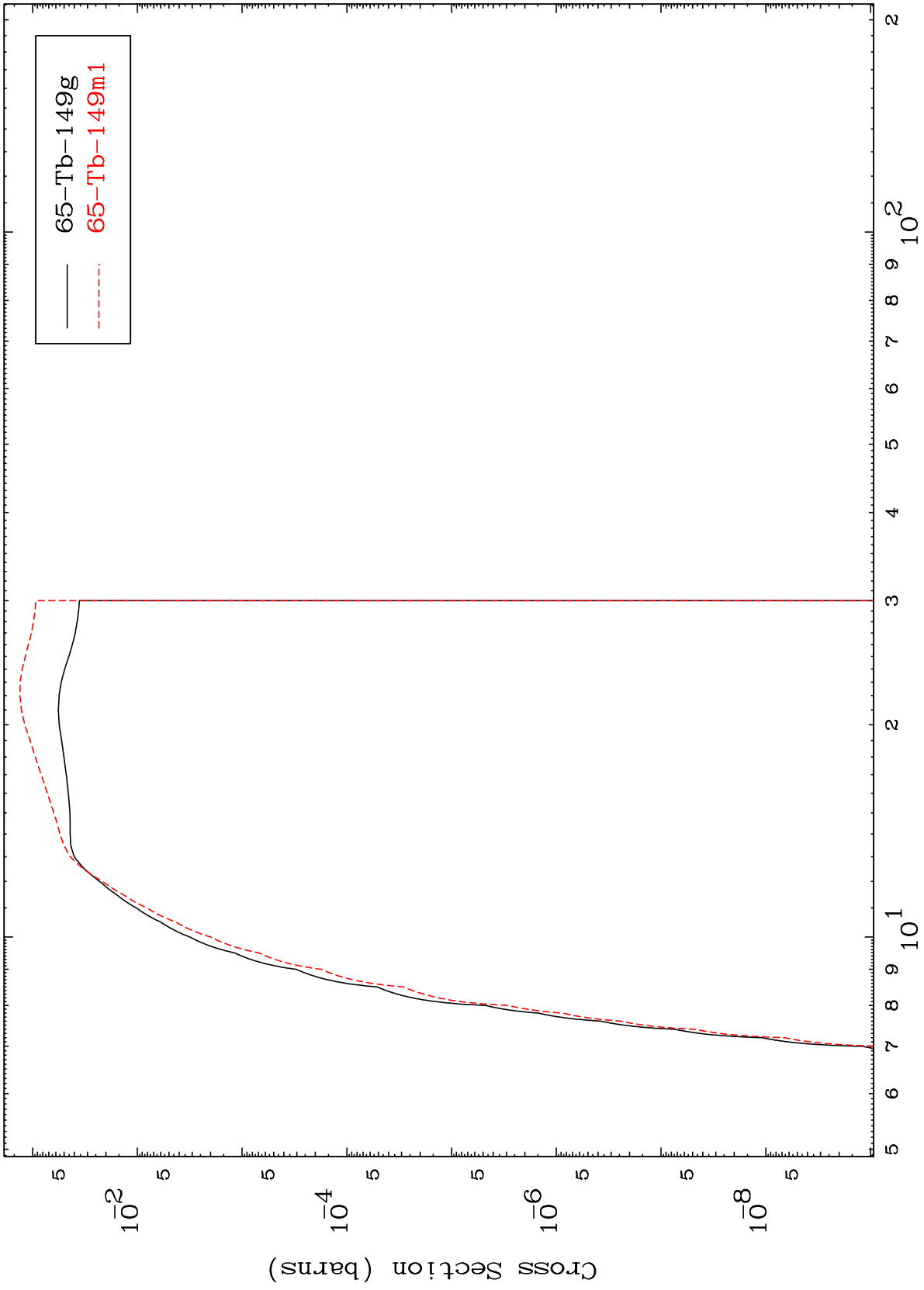
66-Dy-150

MAT 6607

(n,n') p

66-Dy-150

Radionuclide Production Cross Section



130

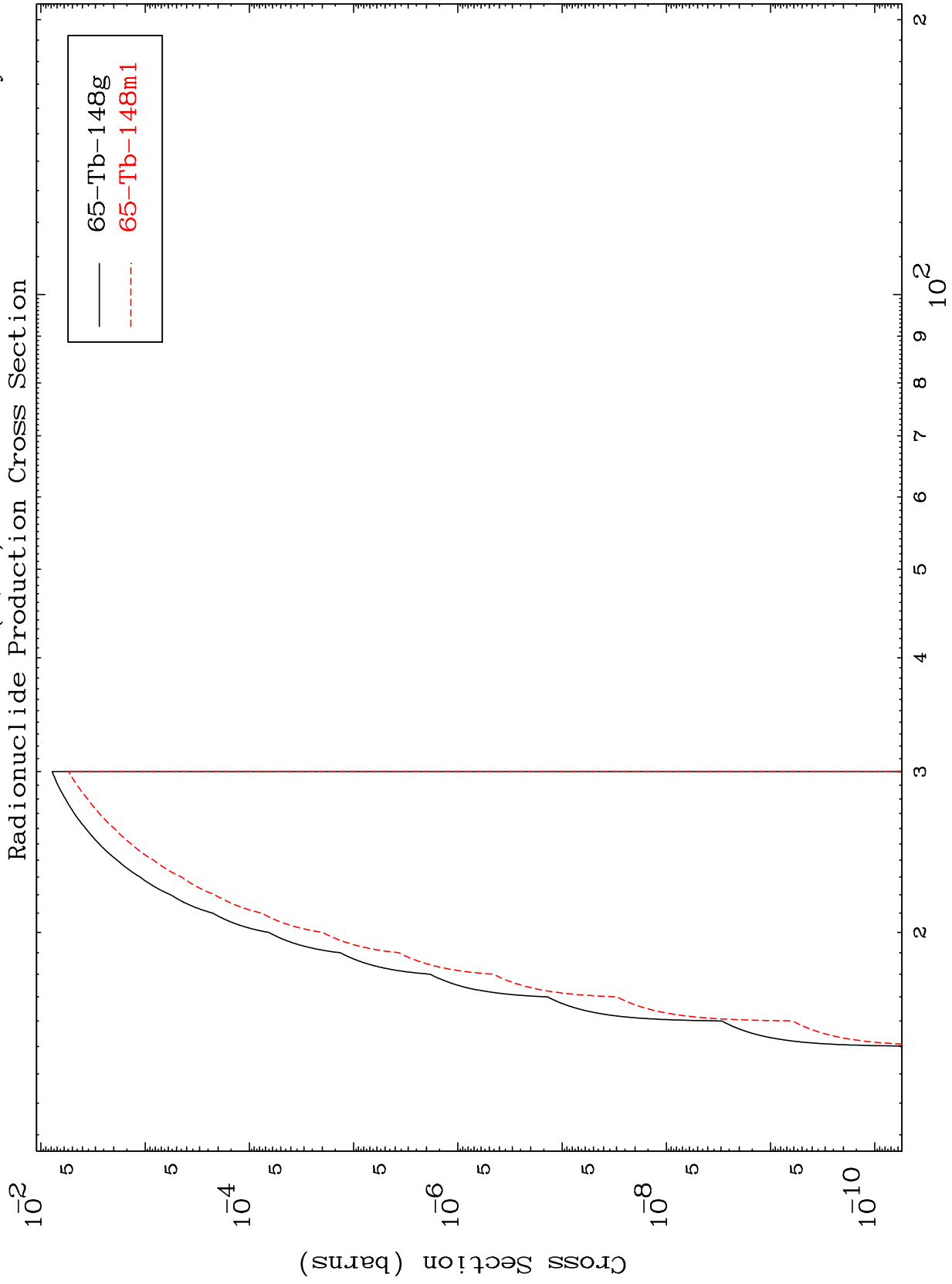
Incident Energy (MeV)

66-Dy-150

MAT 6607

(n,n') d

66-Dy-150



131

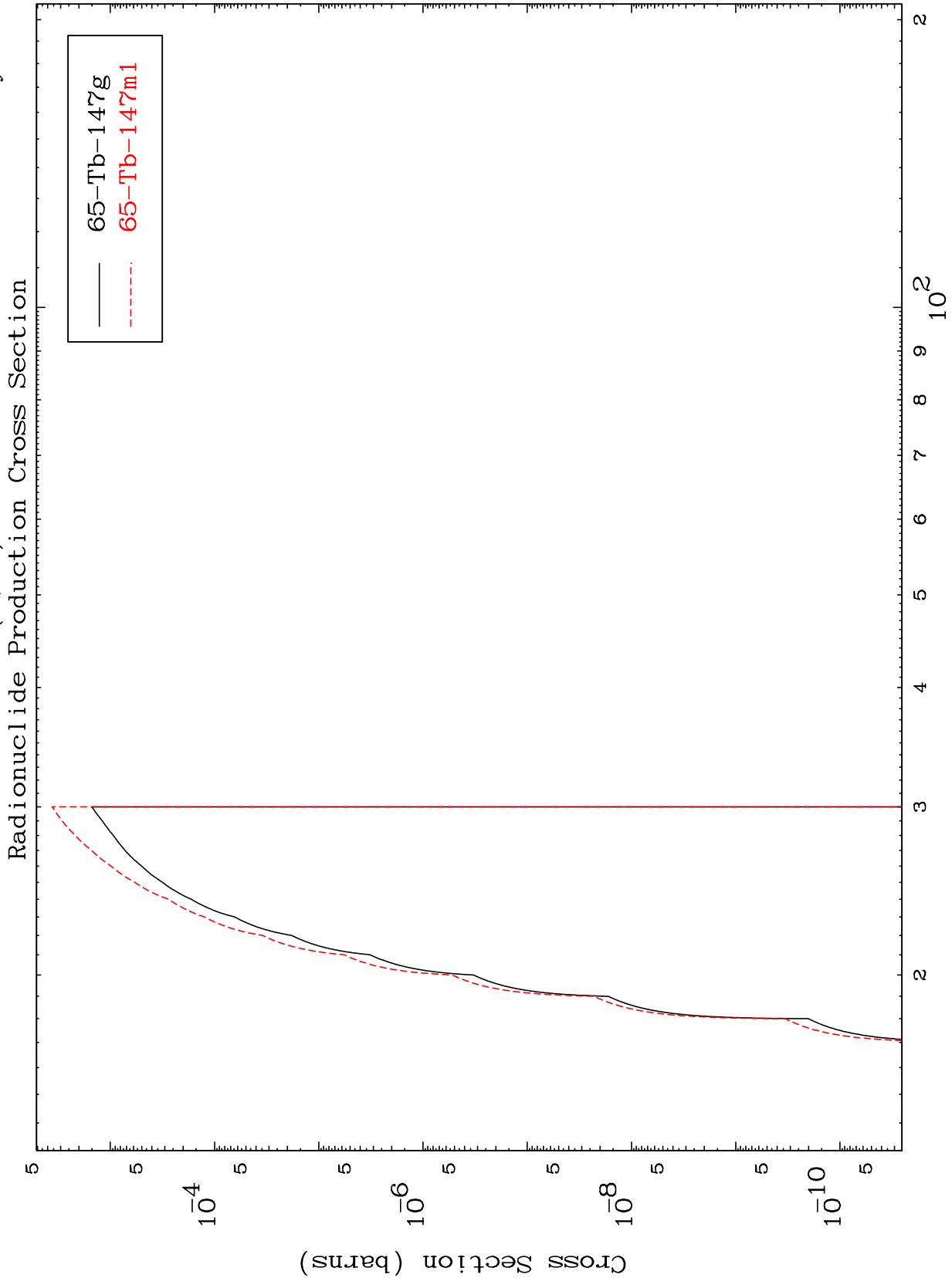
Incident Energy (MeV)

66-Dy-150

MAT 6607

(n,n') t

66-Dy-150



132

Incident Energy (MeV)

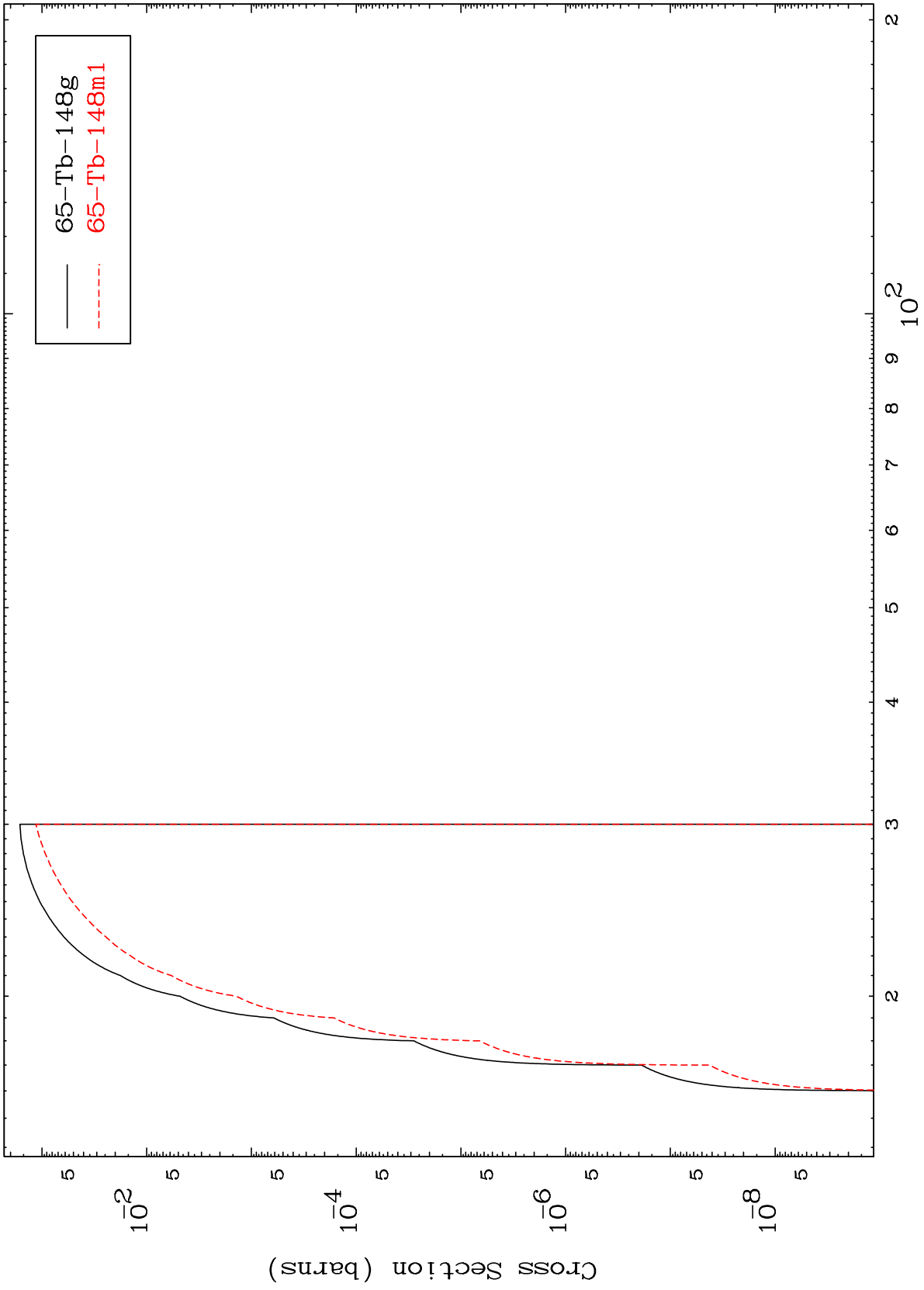
66-Dy-150

MAT 6607

(n,2n) p

66-Dy-150

Radionuclide Production Cross Section



133

Incident Energy (MeV)

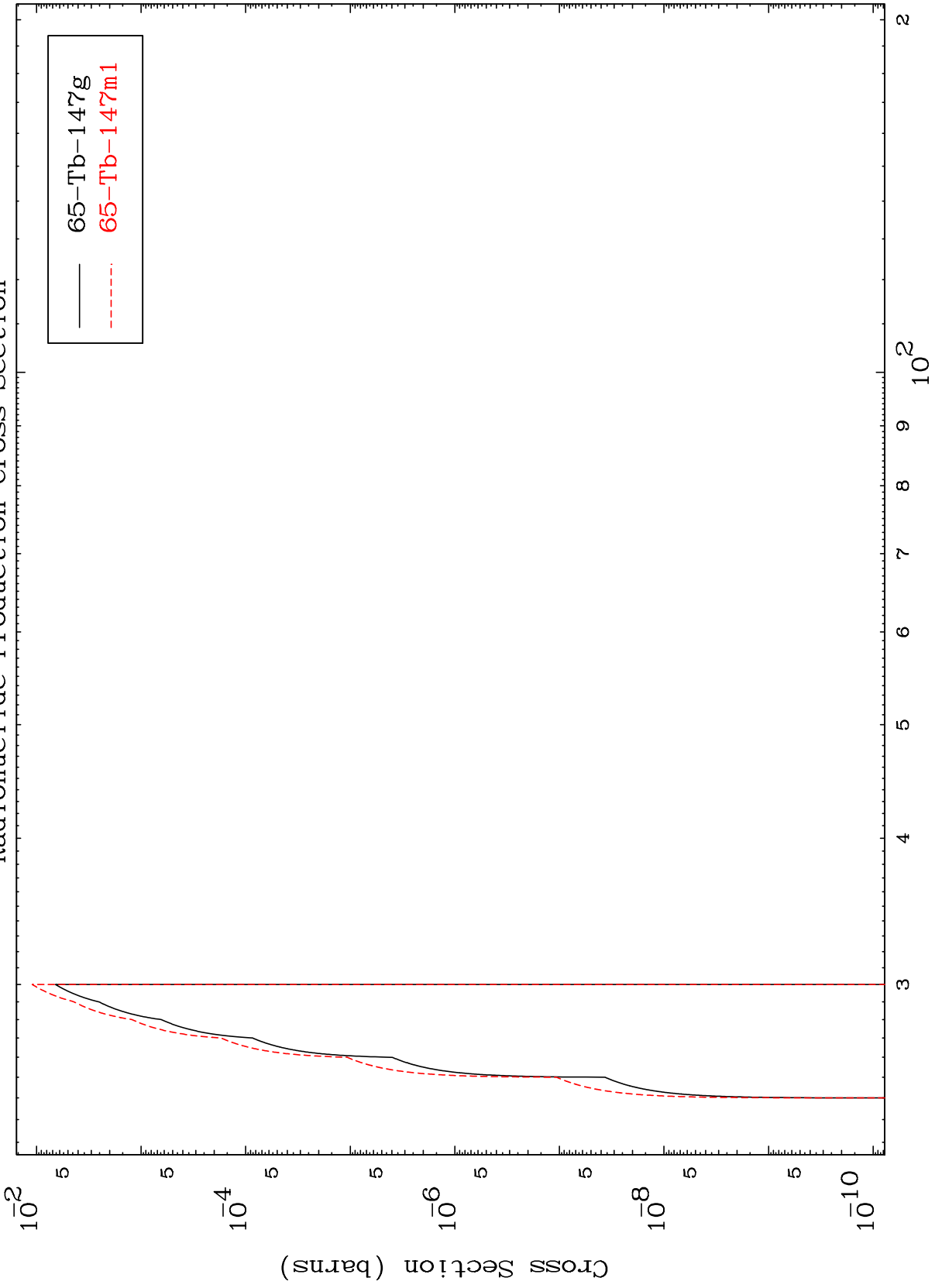
66-Dy-150

MAT 6607

(n,3n) p

66-Dy-150

Radionuclide Production Cross Section



134

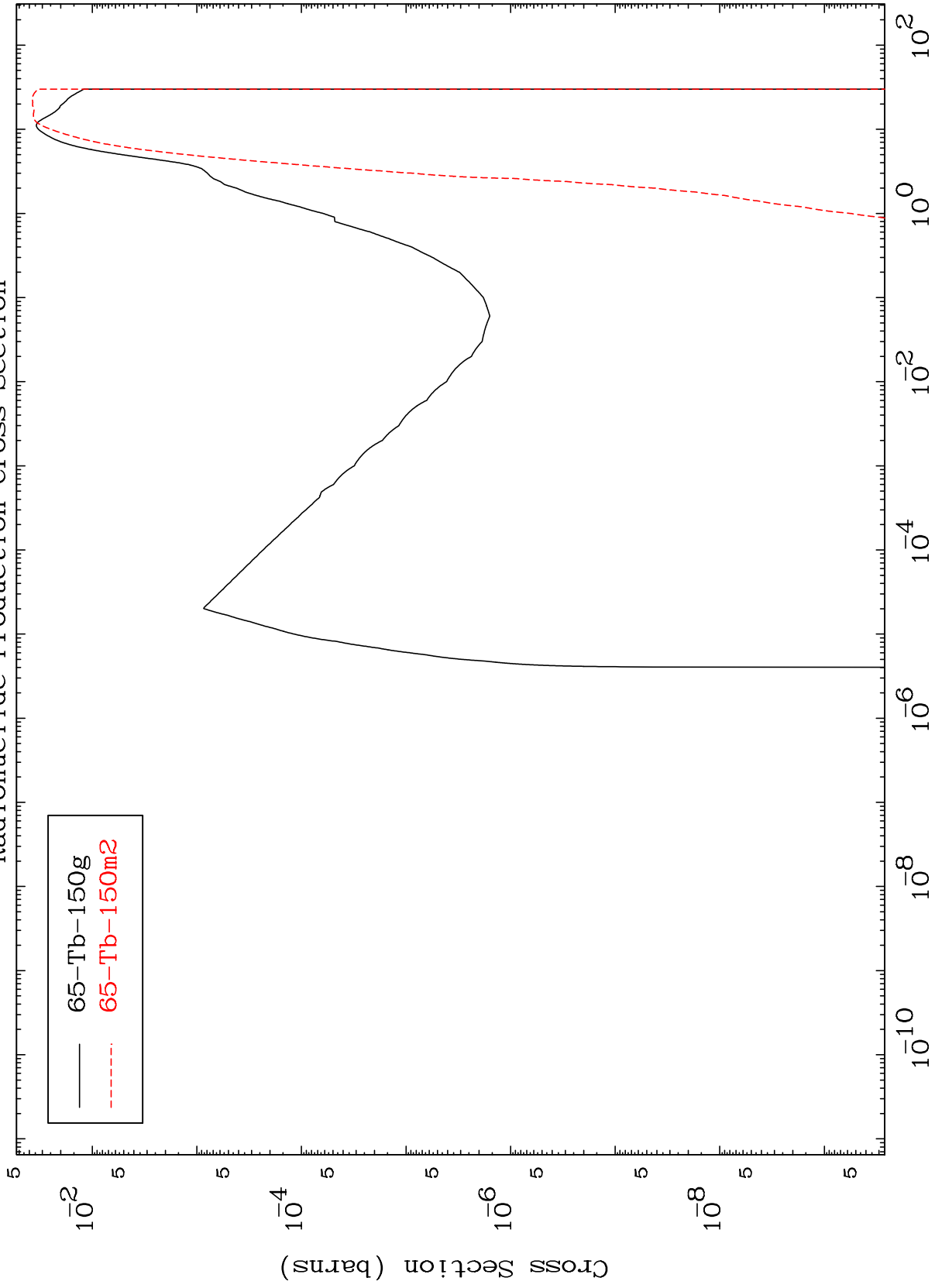
Incident Energy (MeV)

66-Dy-150

MAT 6607

(n,p)  
Radionuclide Production Cross Section

66-Dy-150



135

Incident Energy (MeV)

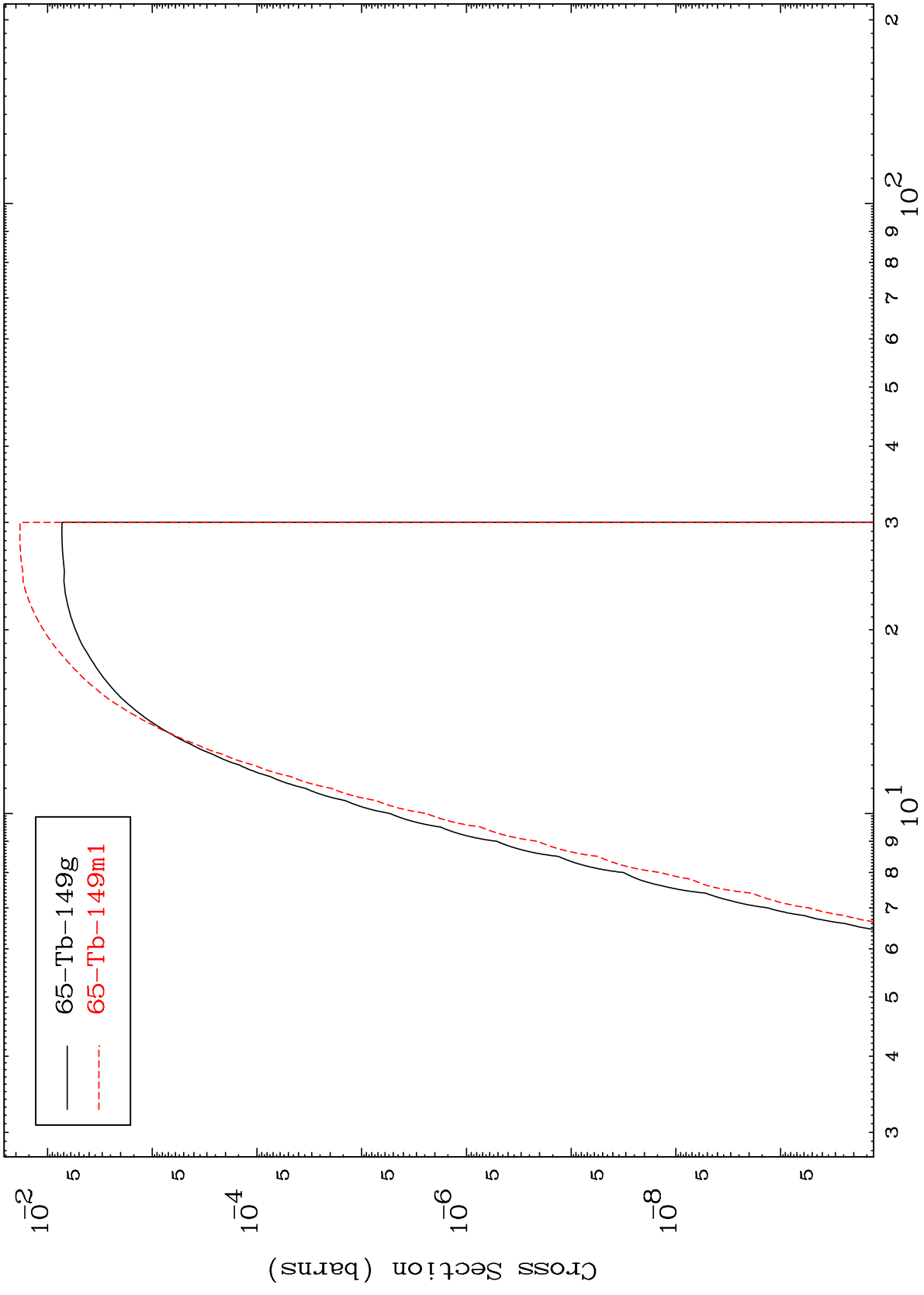
66-Dy-150



MAT 6607

(n,d)  
Radionuclide Production Cross Section

66-Dy-150



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

136

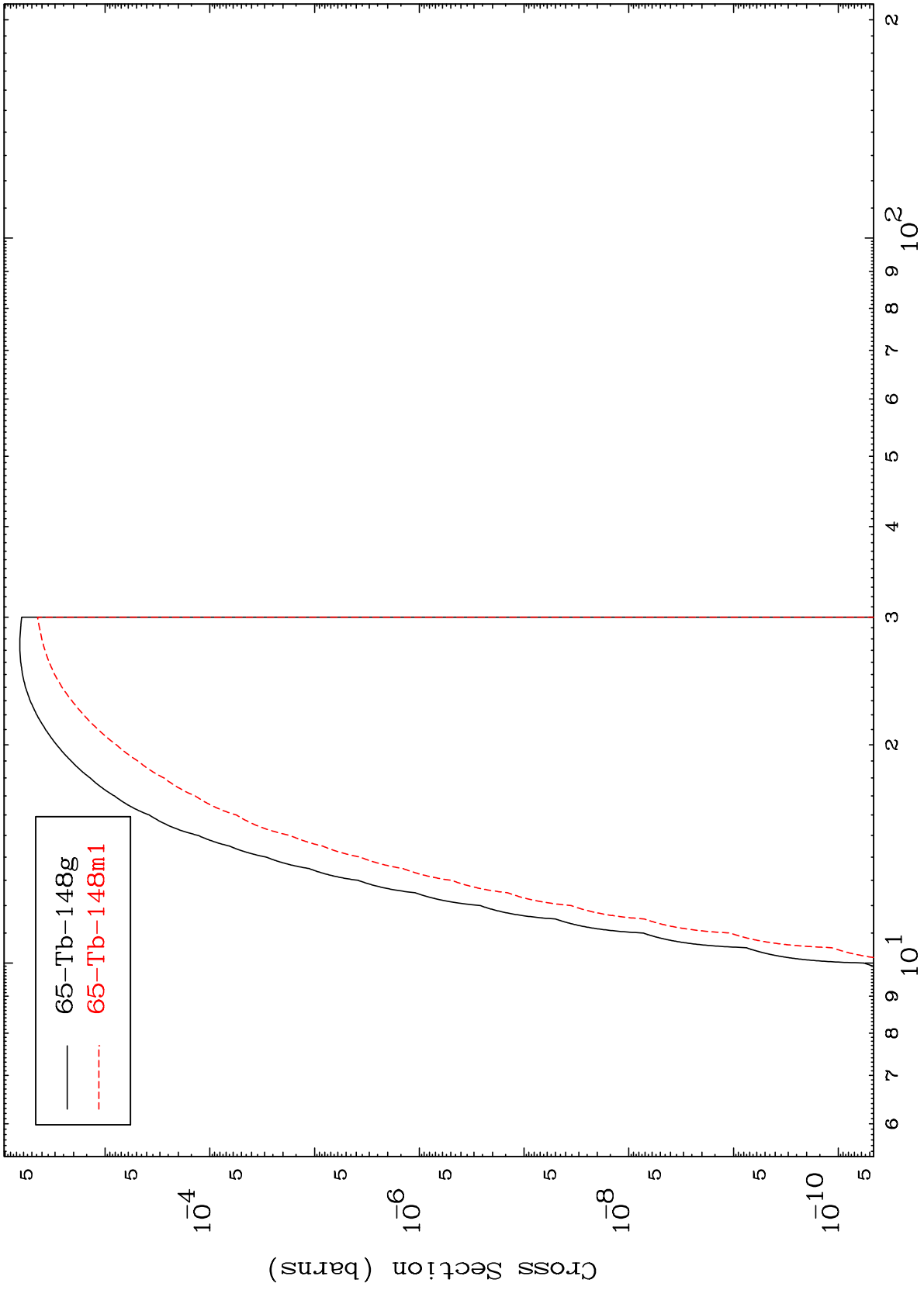
Incident Energy (MeV)

66-Dy-150

MAT 6607

66-Dy-150

(n, t)  
Radionuclide Production Cross Section



137

66-Dy-150

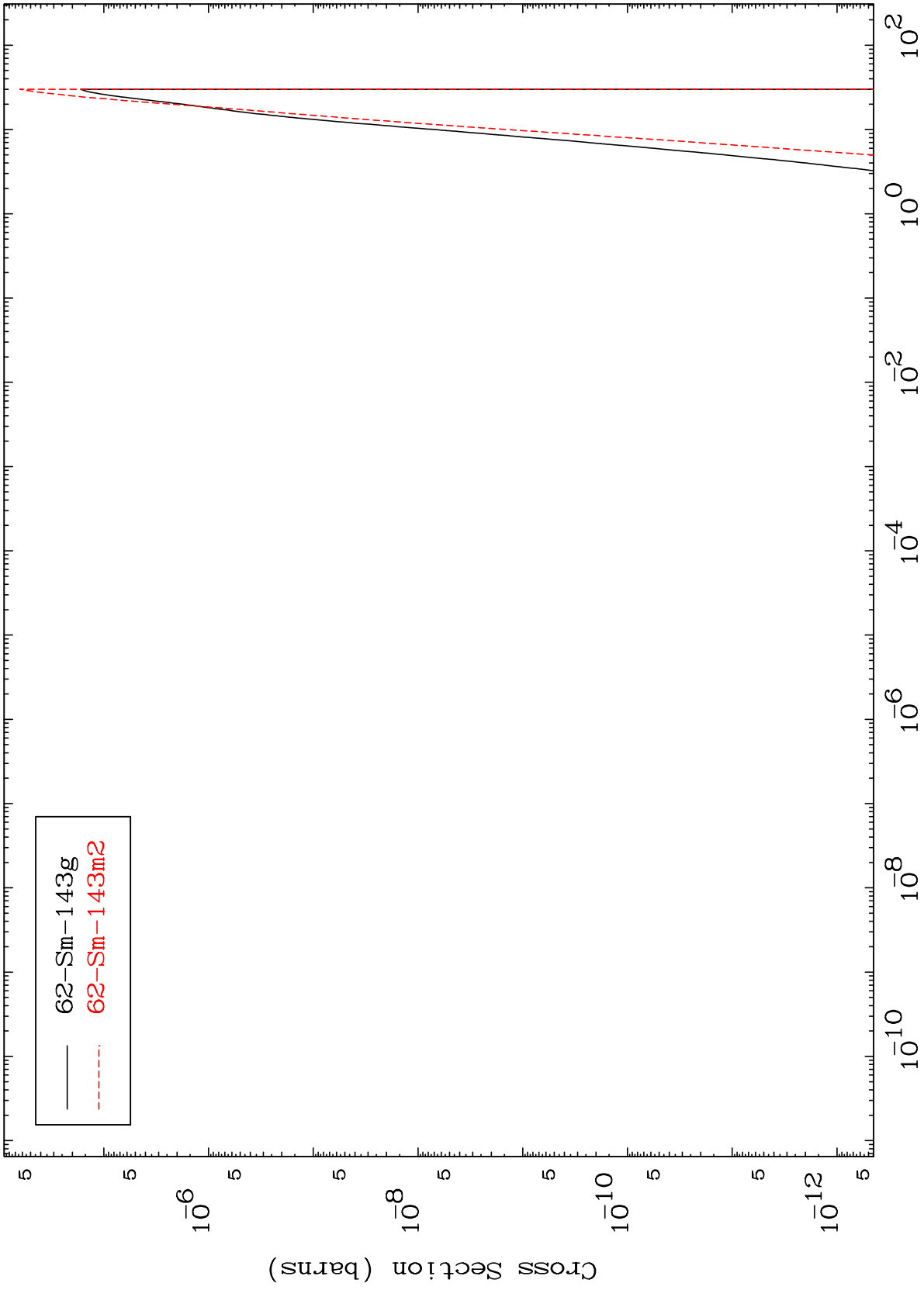
Incident Energy (MeV)

MAT 6607

(n,2α)

66-Dy-150

Radionuclide Production Cross Section



138

Incident Energy (MeV)

66-Dy-150