

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

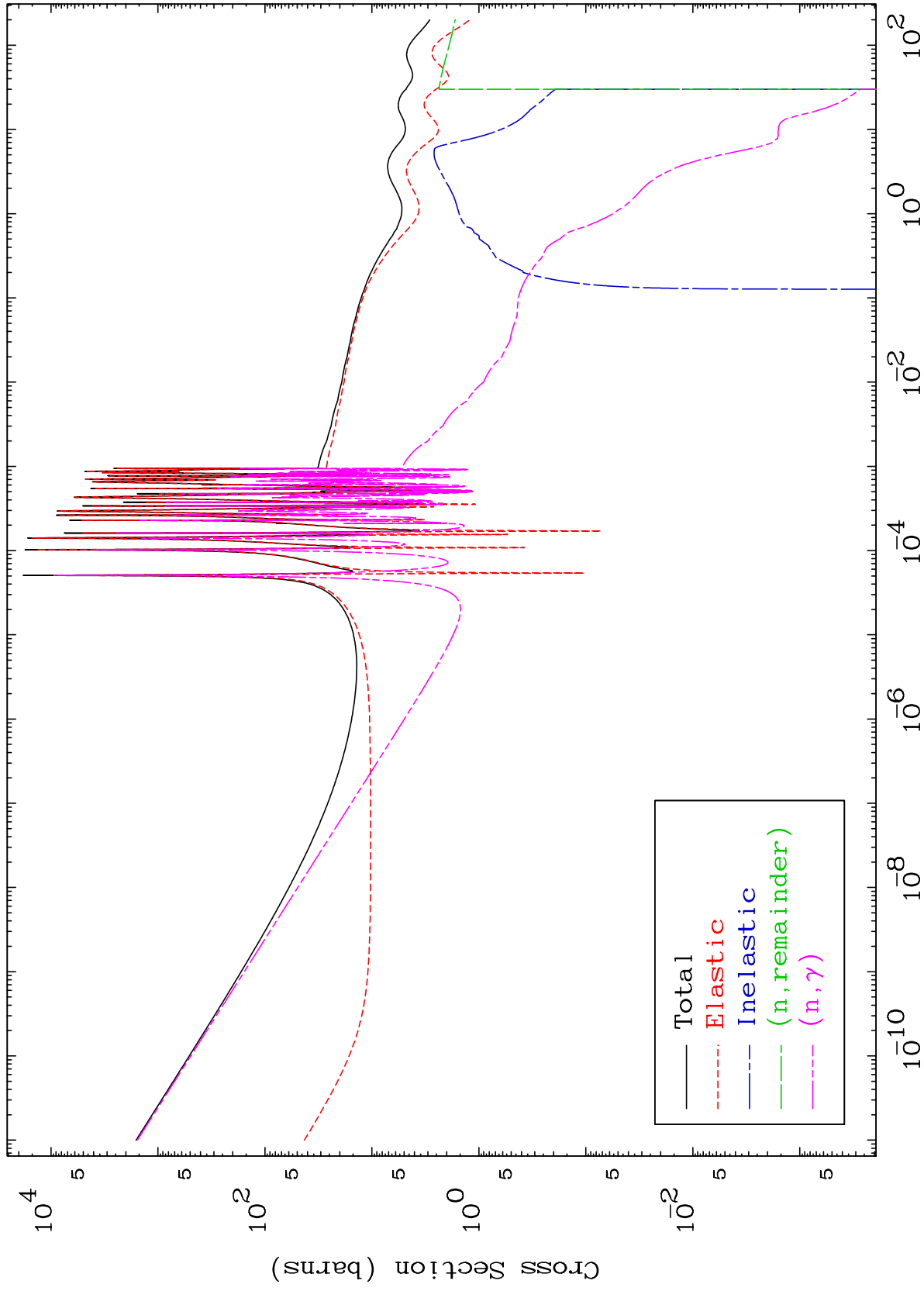
Press Mouse Button to Start

MAT 7740

Major

293 Kelvin Cross Sections

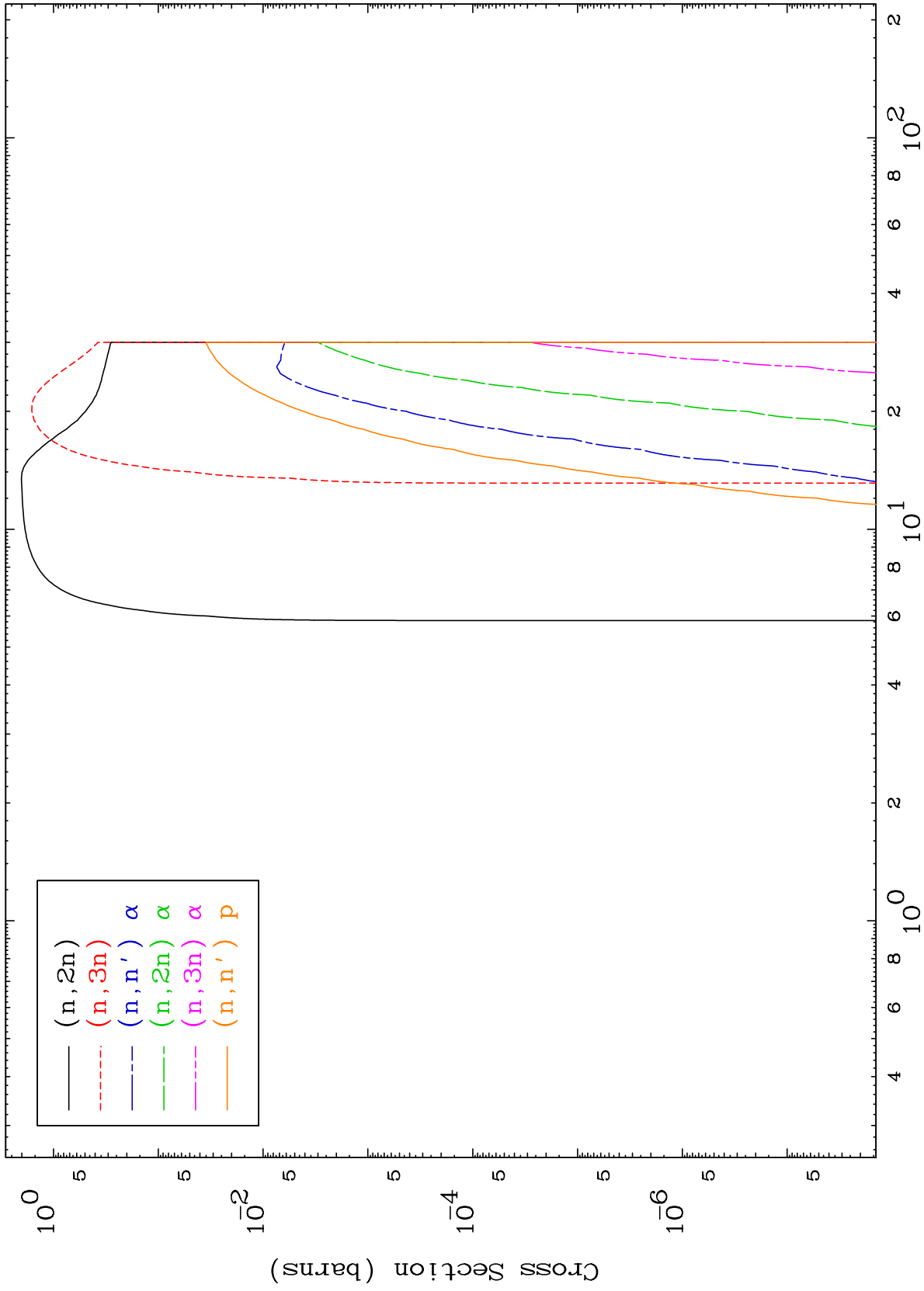
77-Ir-196



MAT 7740

Neutron Production
293 Kelvin Cross Sections

77-Ir-196



2

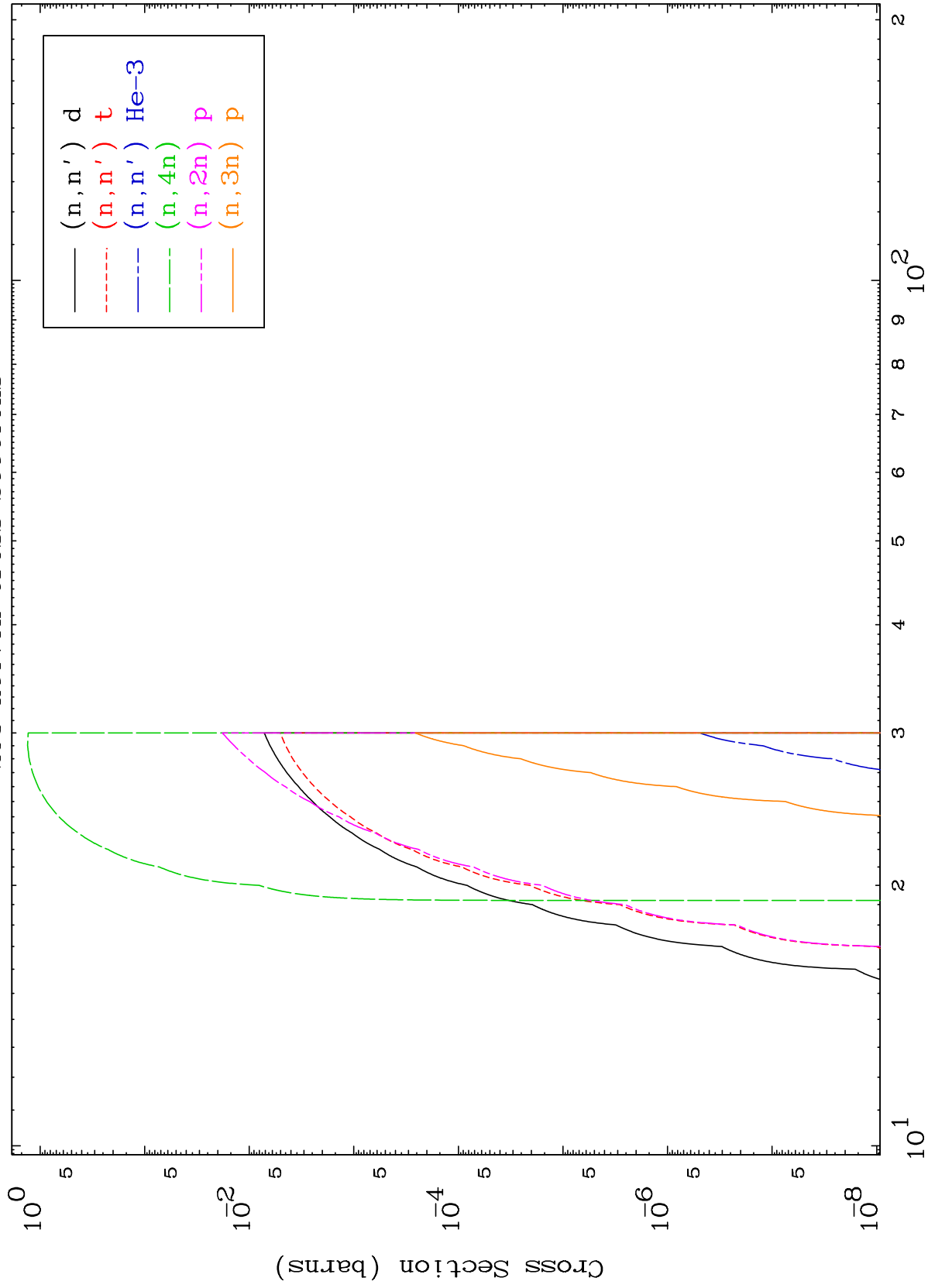
Incident Energy (MeV)

77-Ir-196

MAT 7740

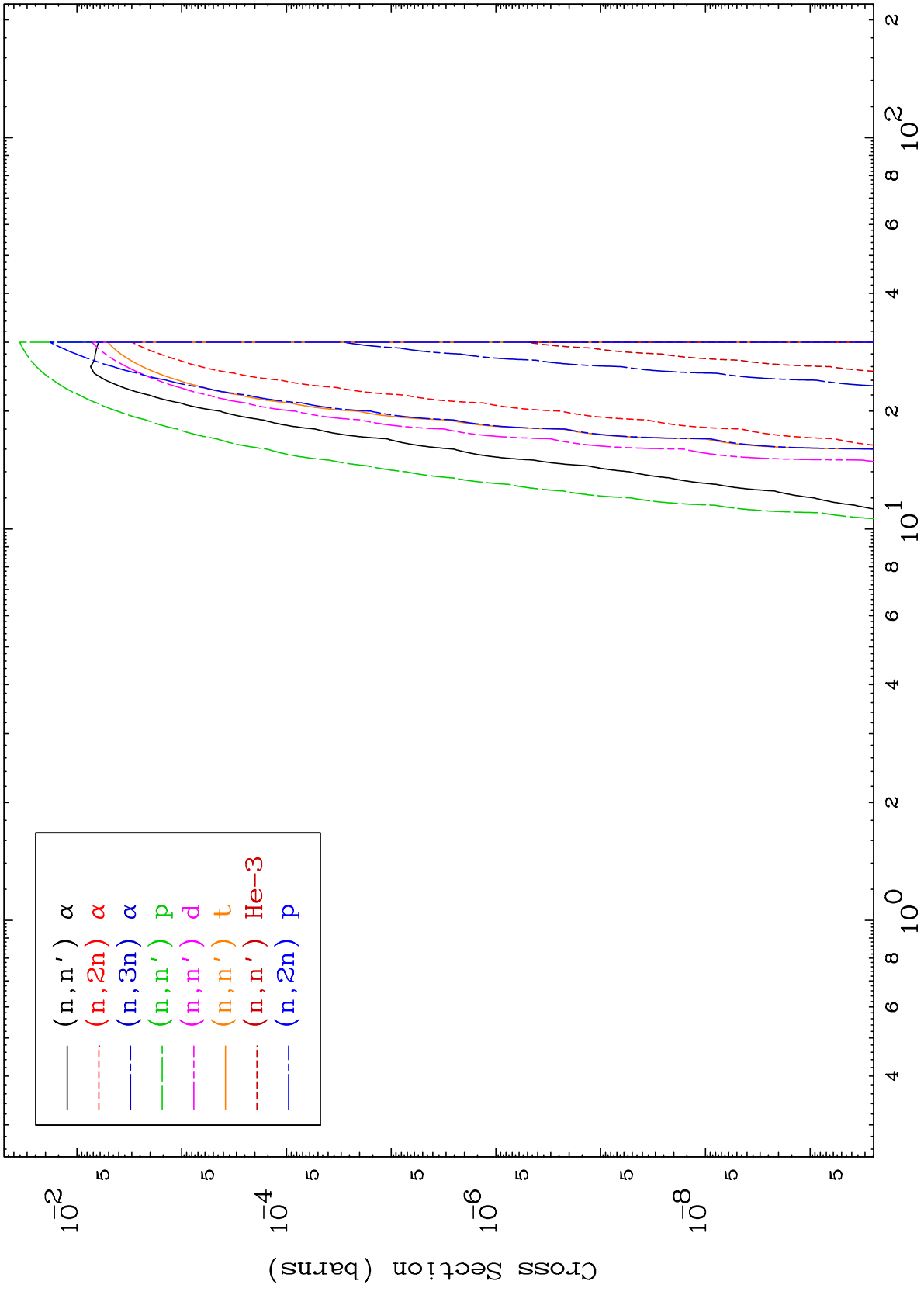
Neutron Production
293 Kelvin Cross Sections

77-Ir-196



Incident Energy (MeV)

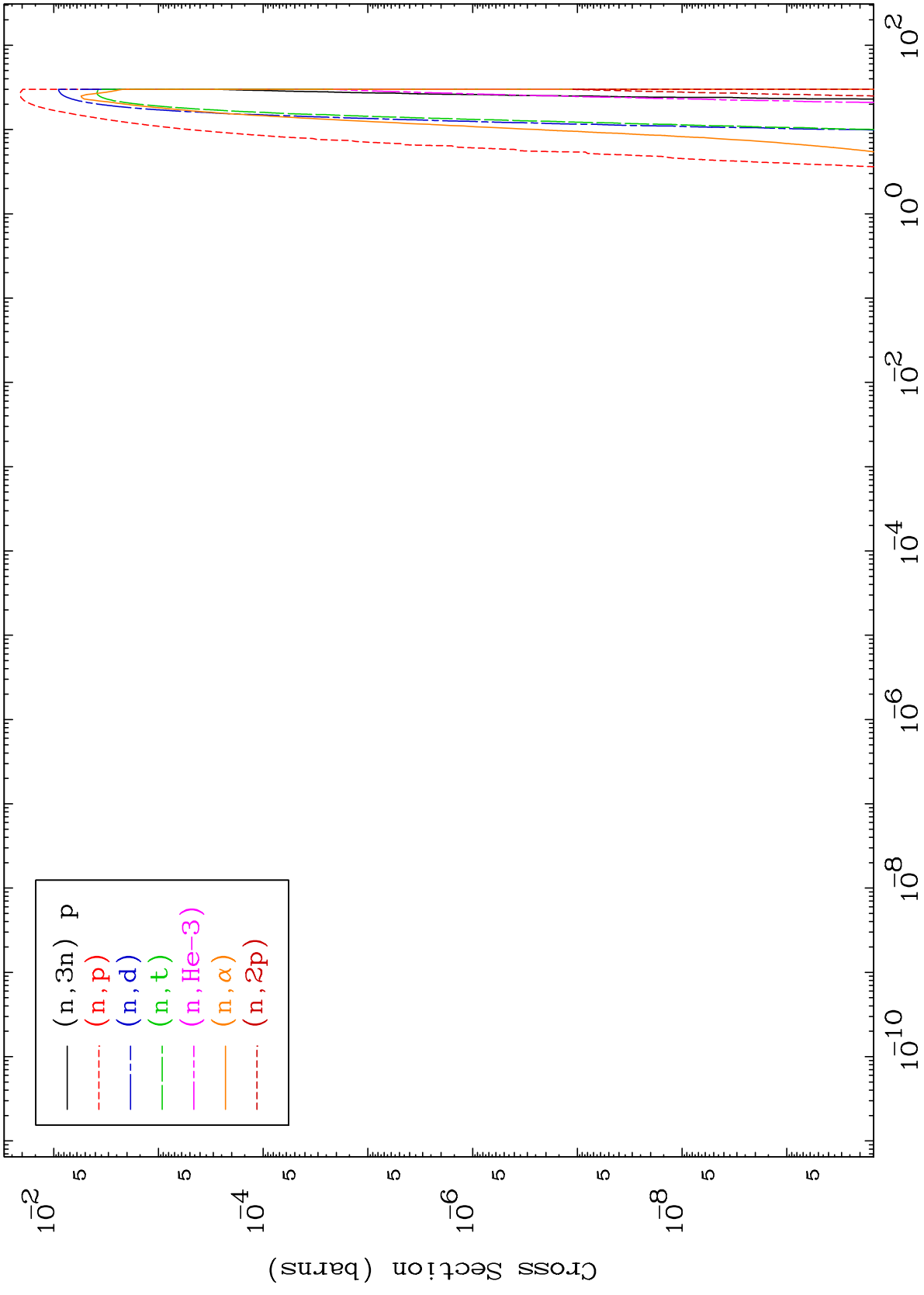
77-Ir-196

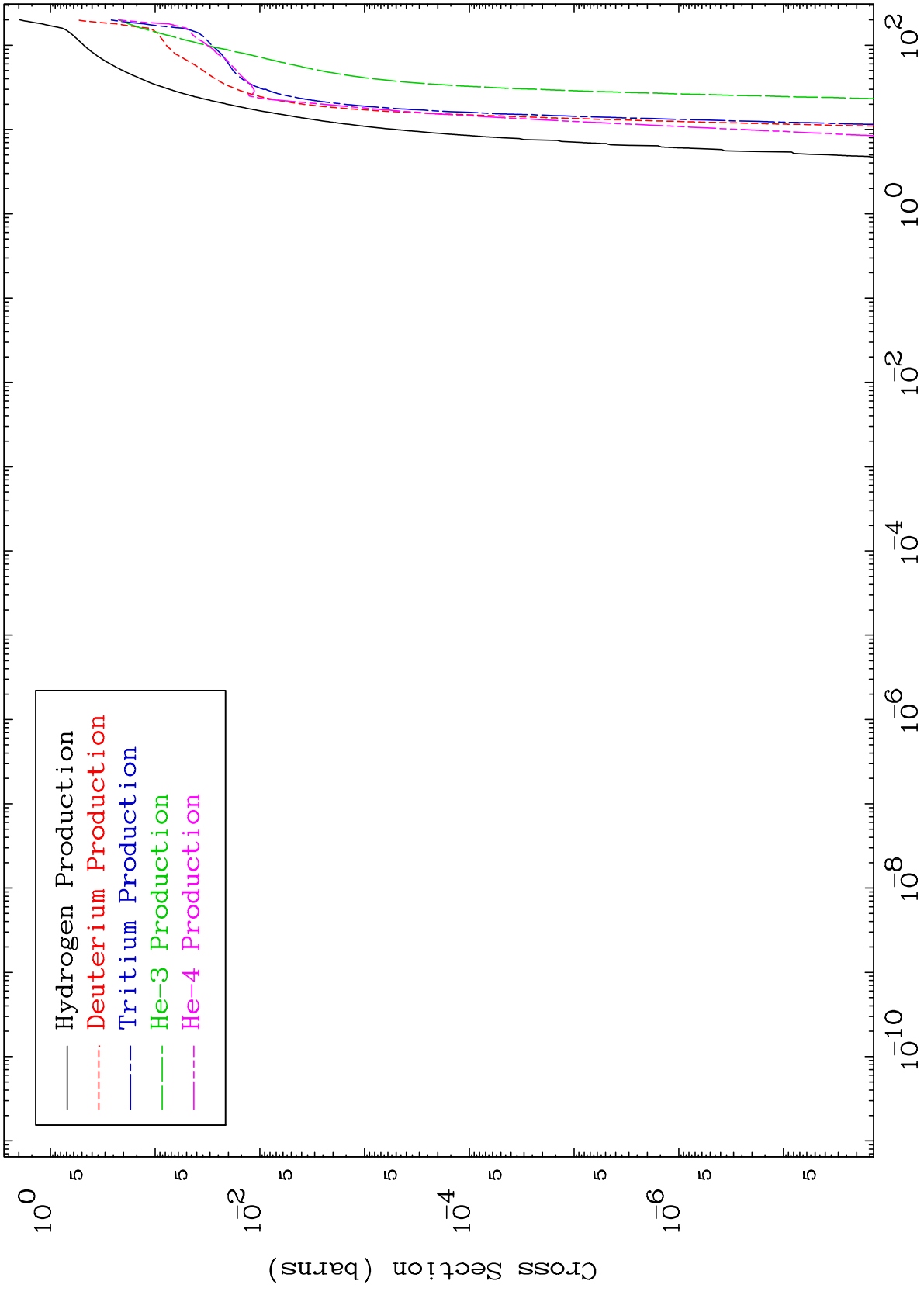


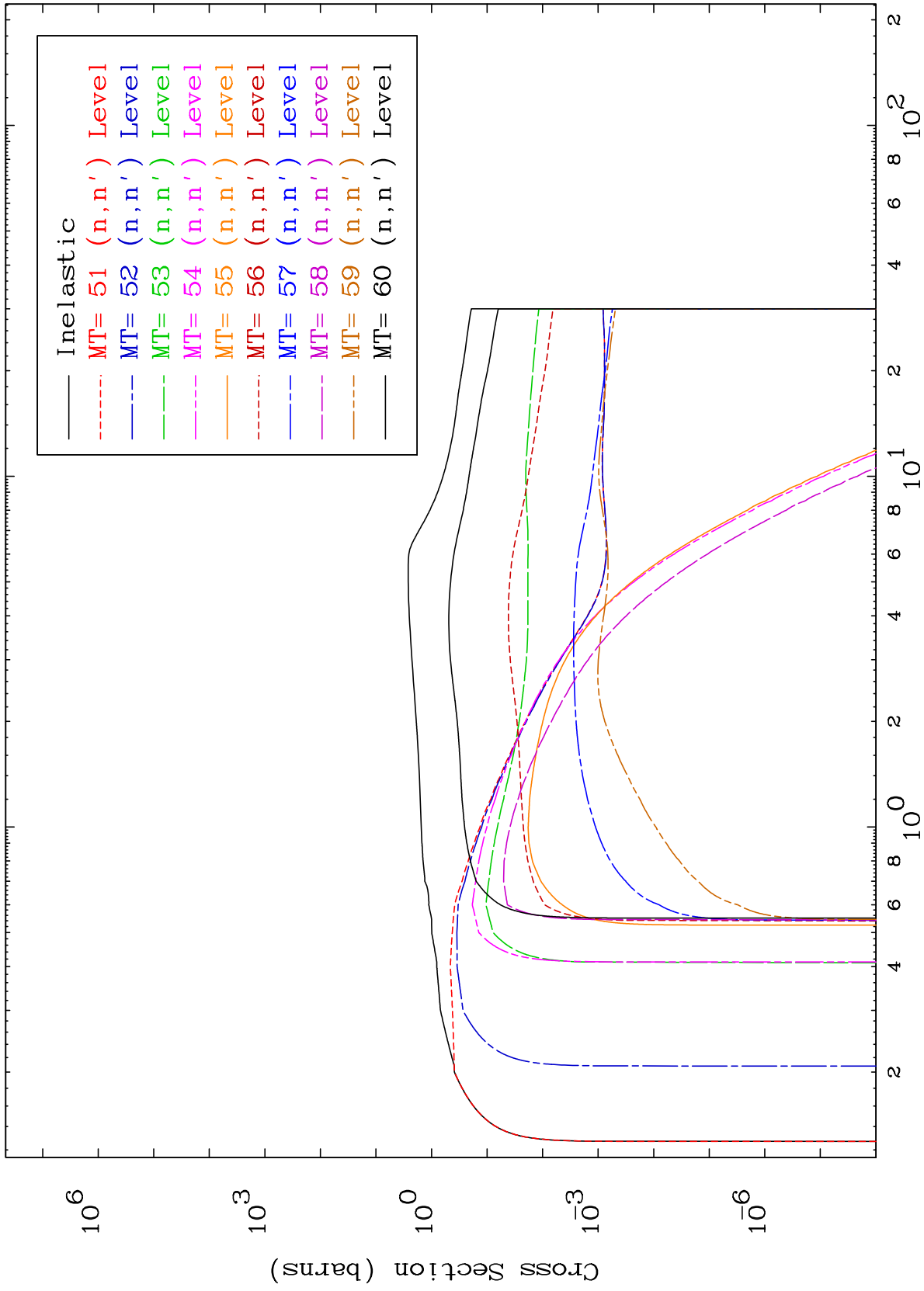
MAT 7740

Charged Particle
293 Kelvin Cross Sections

77-Ir-196





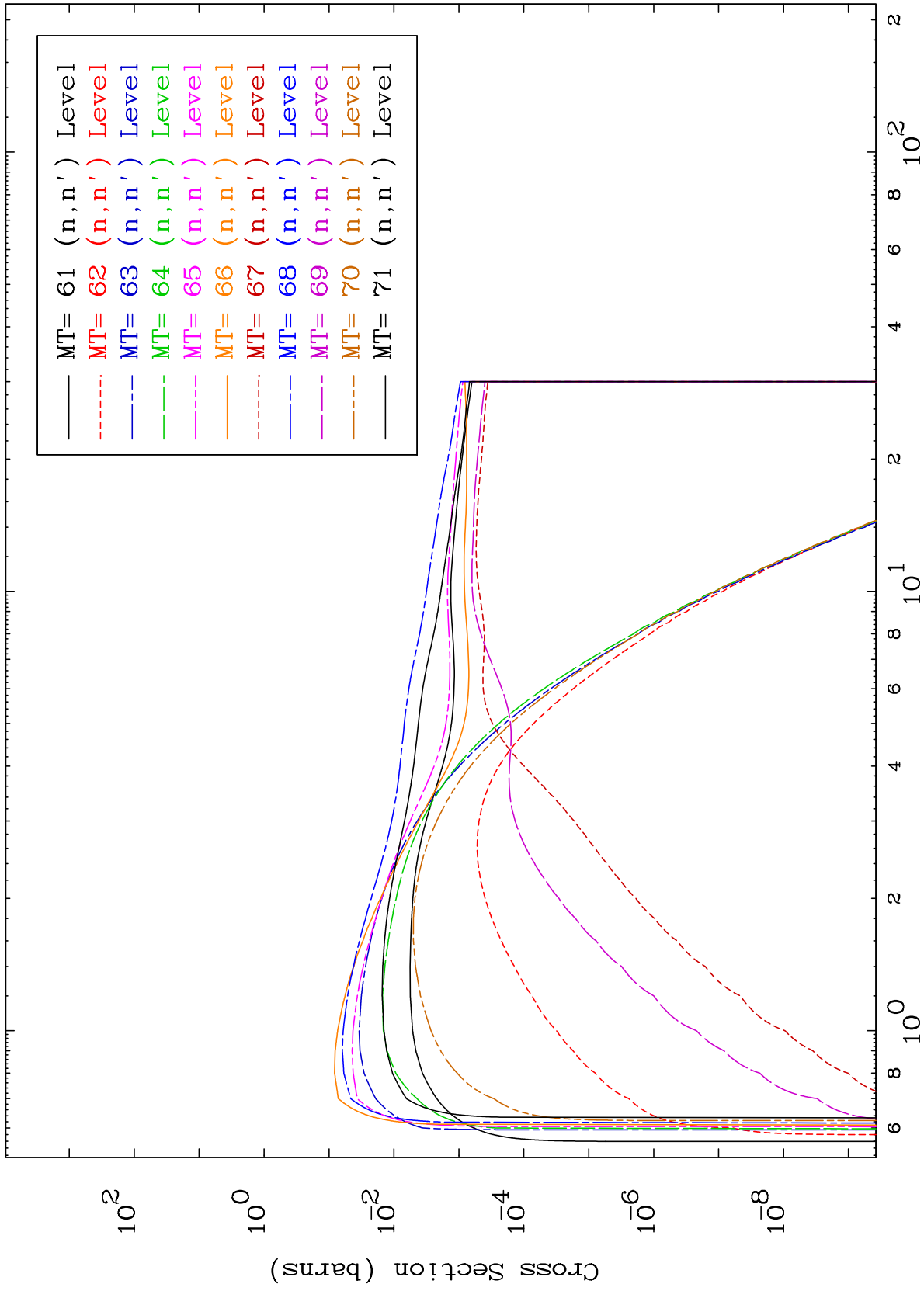


MAT 7740

(n,n') Level

293 Kelvin Cross Sections

77-Ir-196



8

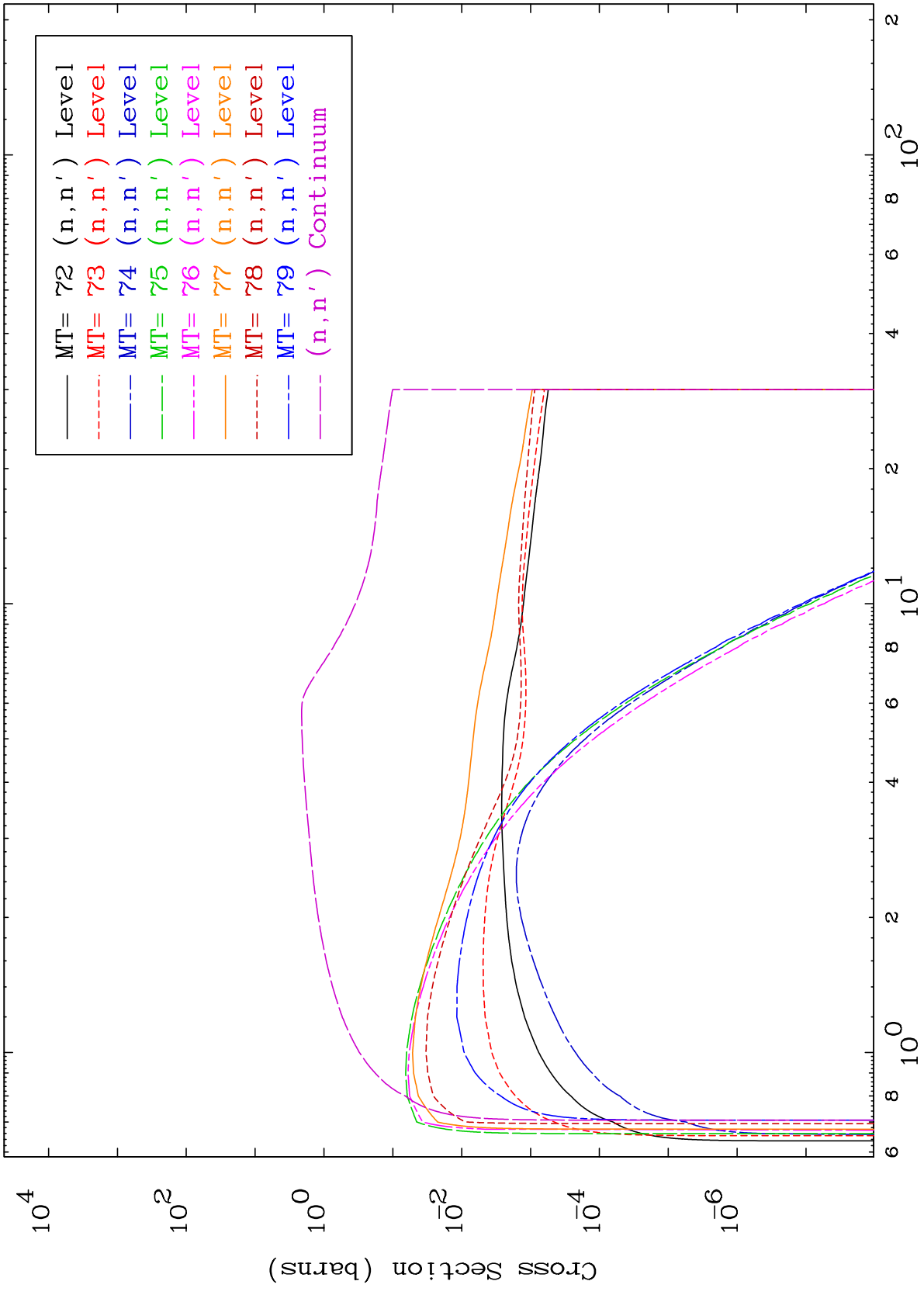
Incident Energy (MeV)

77-Ir-196

MAT 7740

(n,n') Level
293 Kelvin Cross Sections

77-Ir-196



9

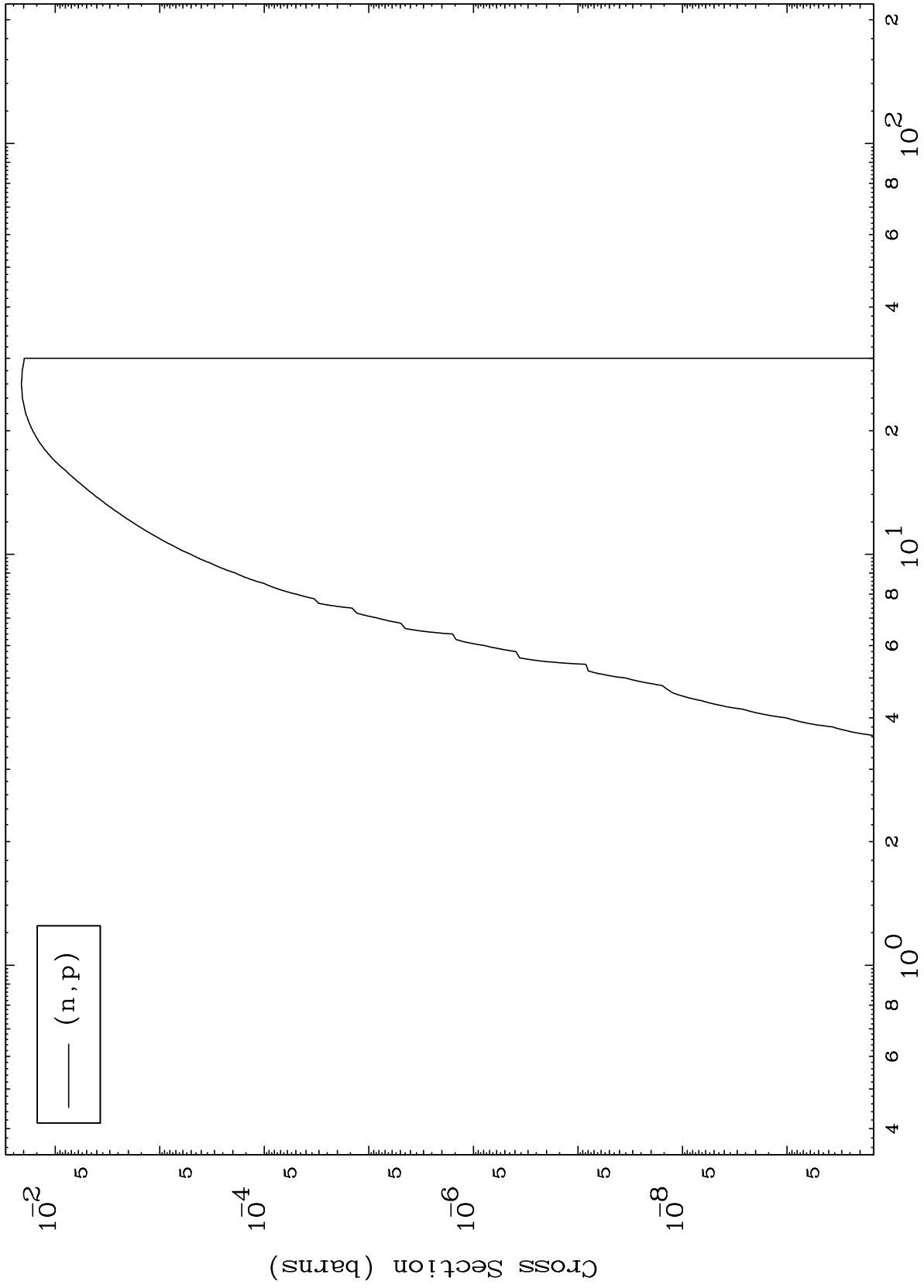
Incident Energy (MeV)

77-Ir-196

MAT 7740

(n,p) Levels
293 Kelvin Cross Sections

77-Ir-196



10

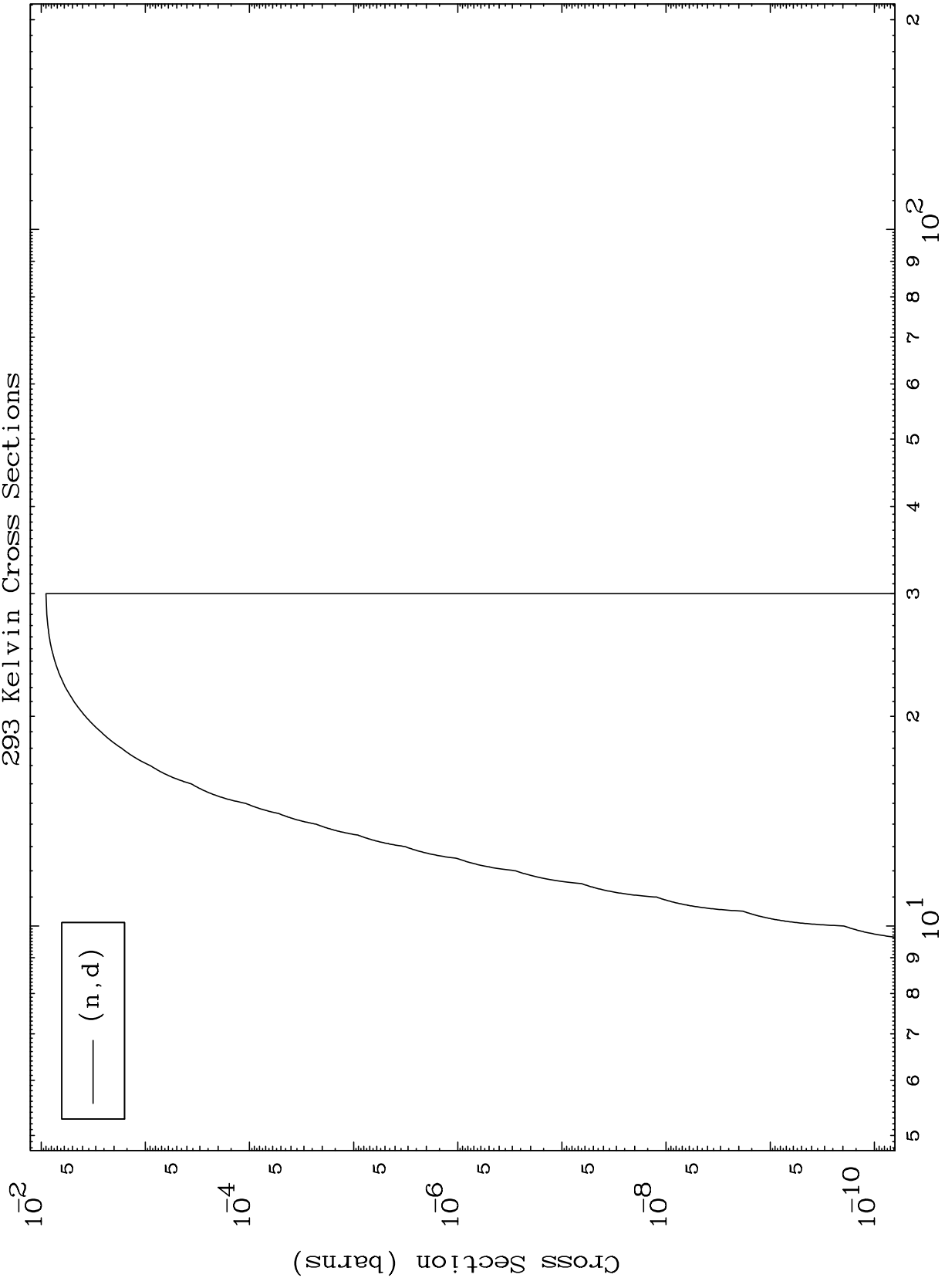
Incident Energy (MeV)

77-Ir-196

MAT 7740

(n,d) Levels
293 Kelvin Cross Sections

77-Ir-196



11

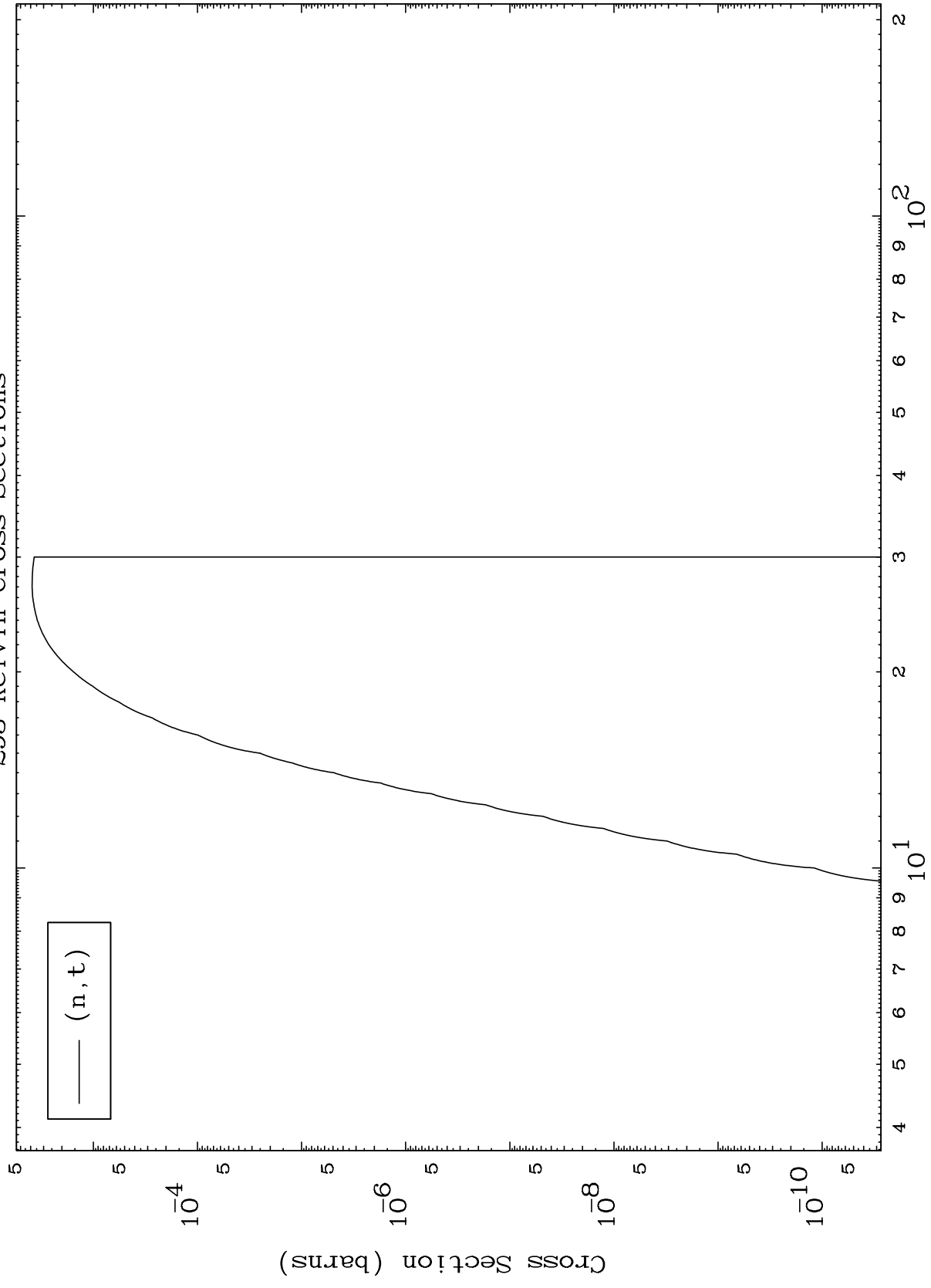
Incident Energy (MeV)

77-Ir-196

MAT 7740

(n,t) Levels
293 Kelvin Cross Sections

77-Ir-196



12

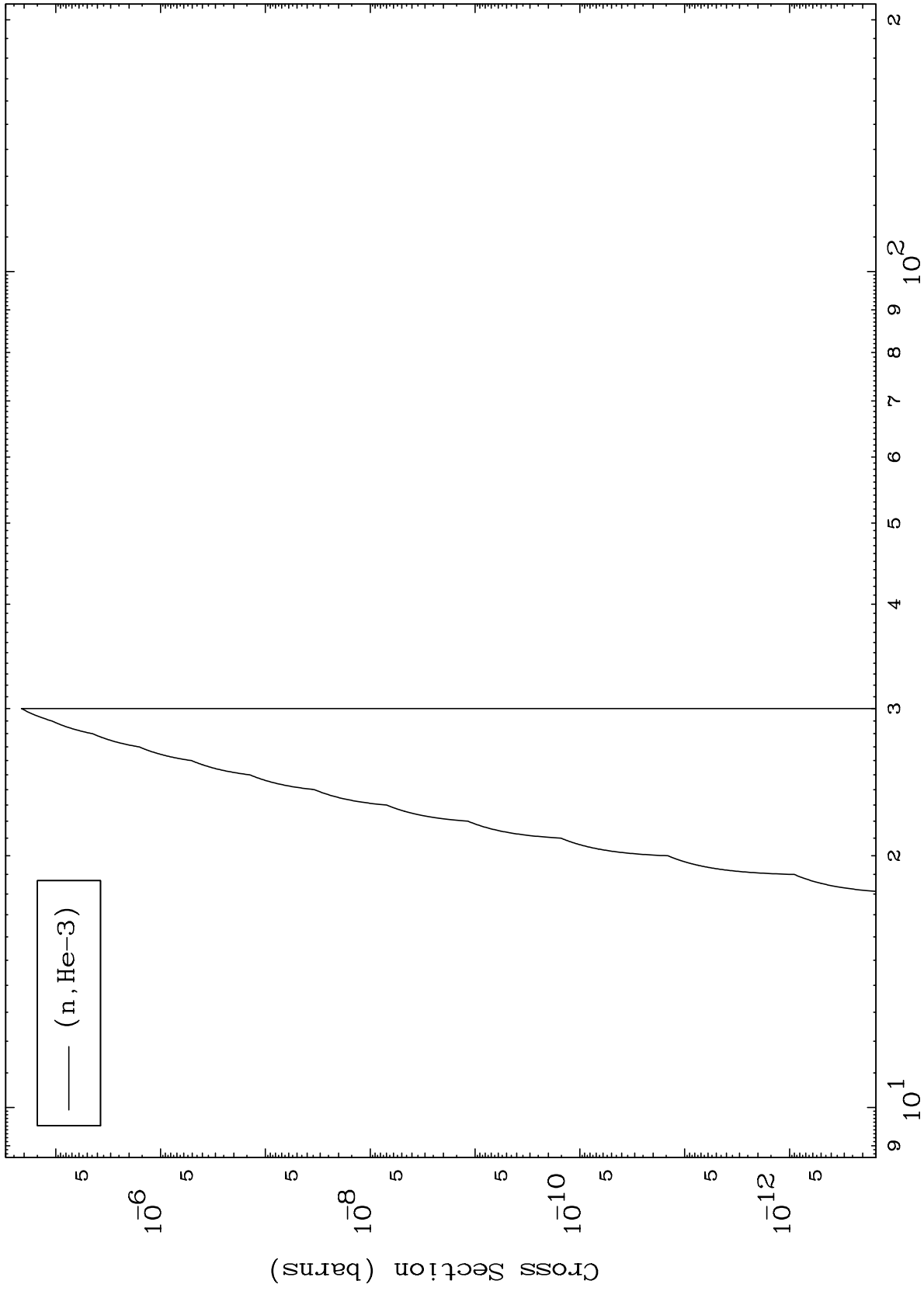
Incident Energy (MeV)

77-Ir-196

MAT 7740

(n,He3) Levels
293 Kelvin Cross Sections

77-Ir-196



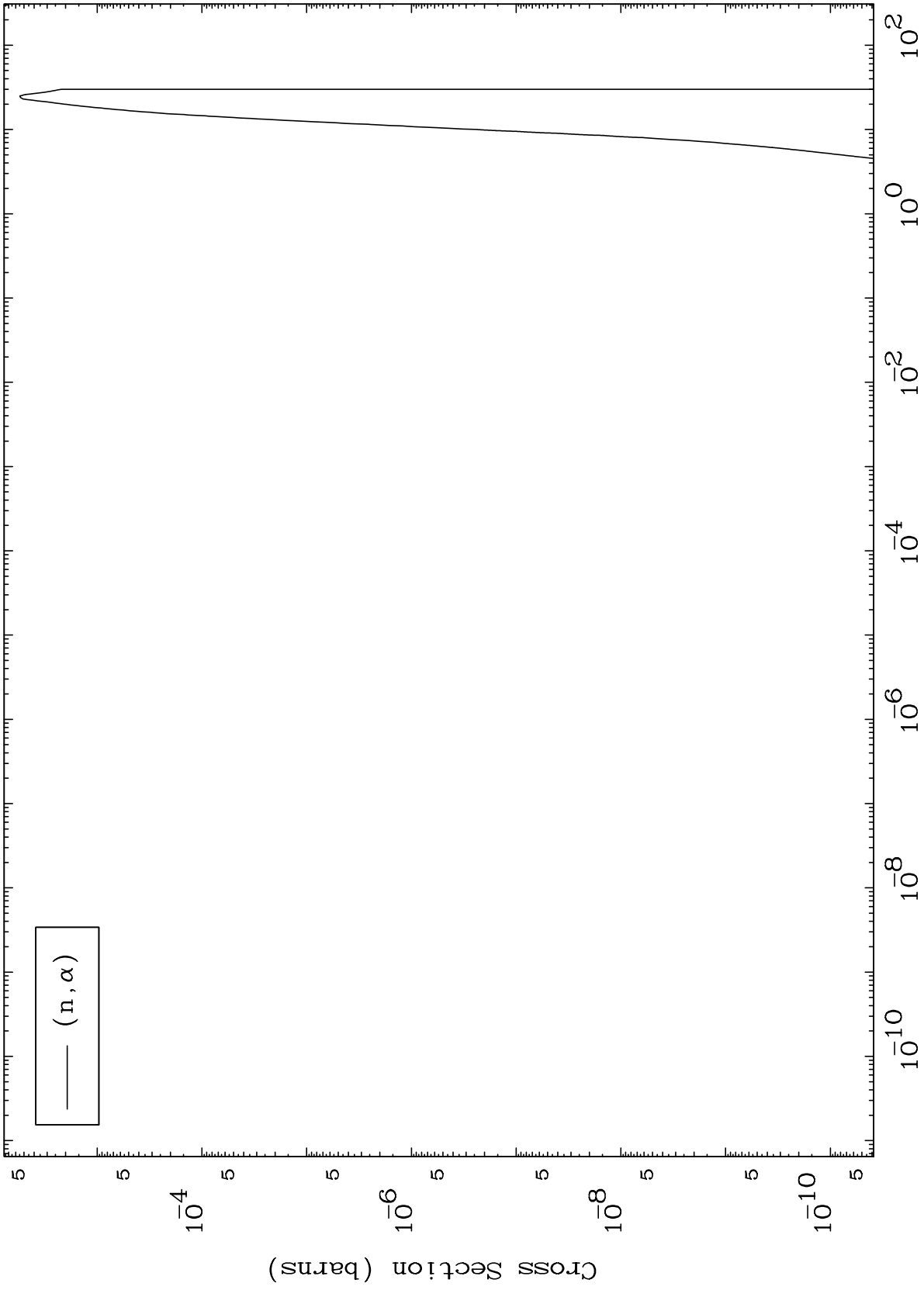
13

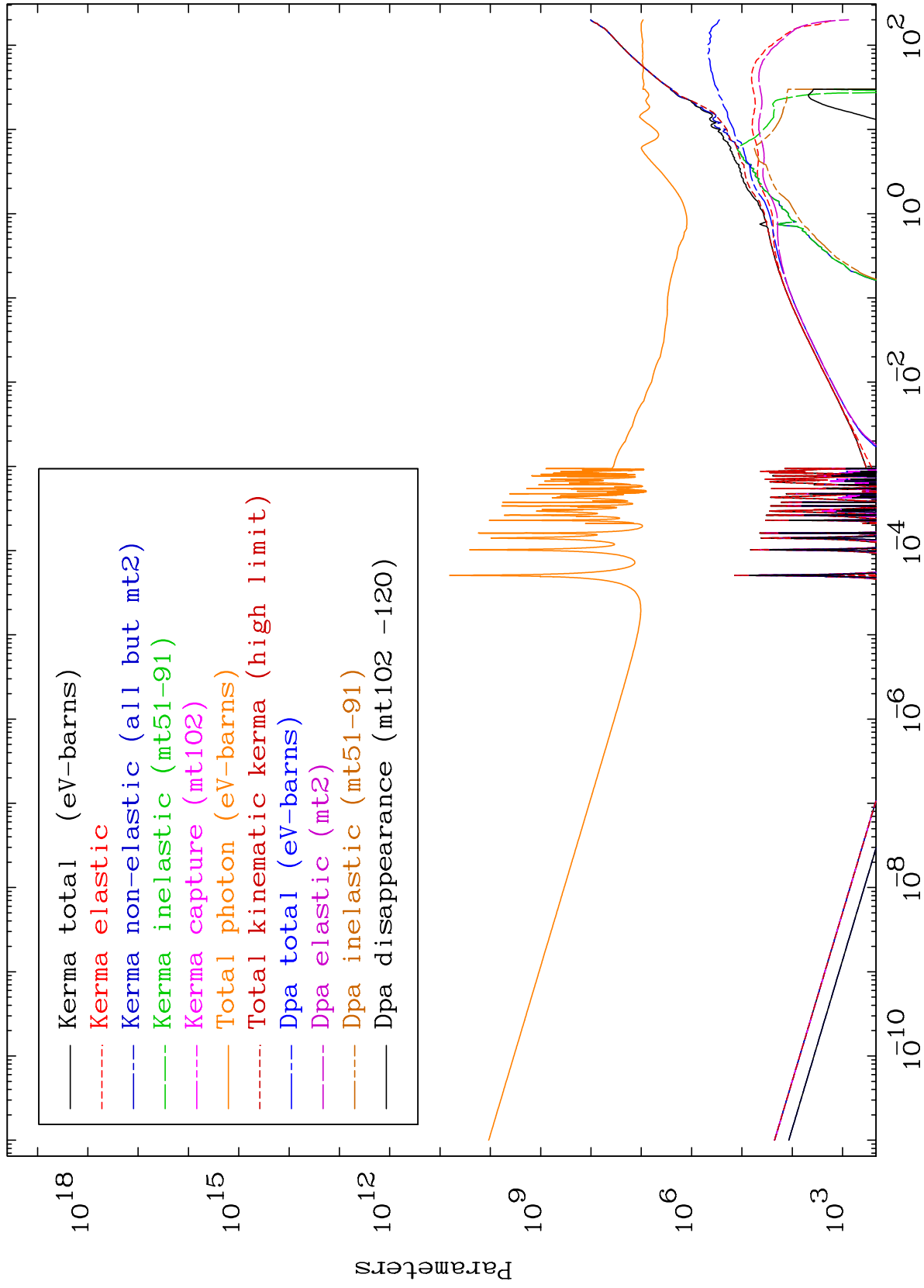
77-Ir-196

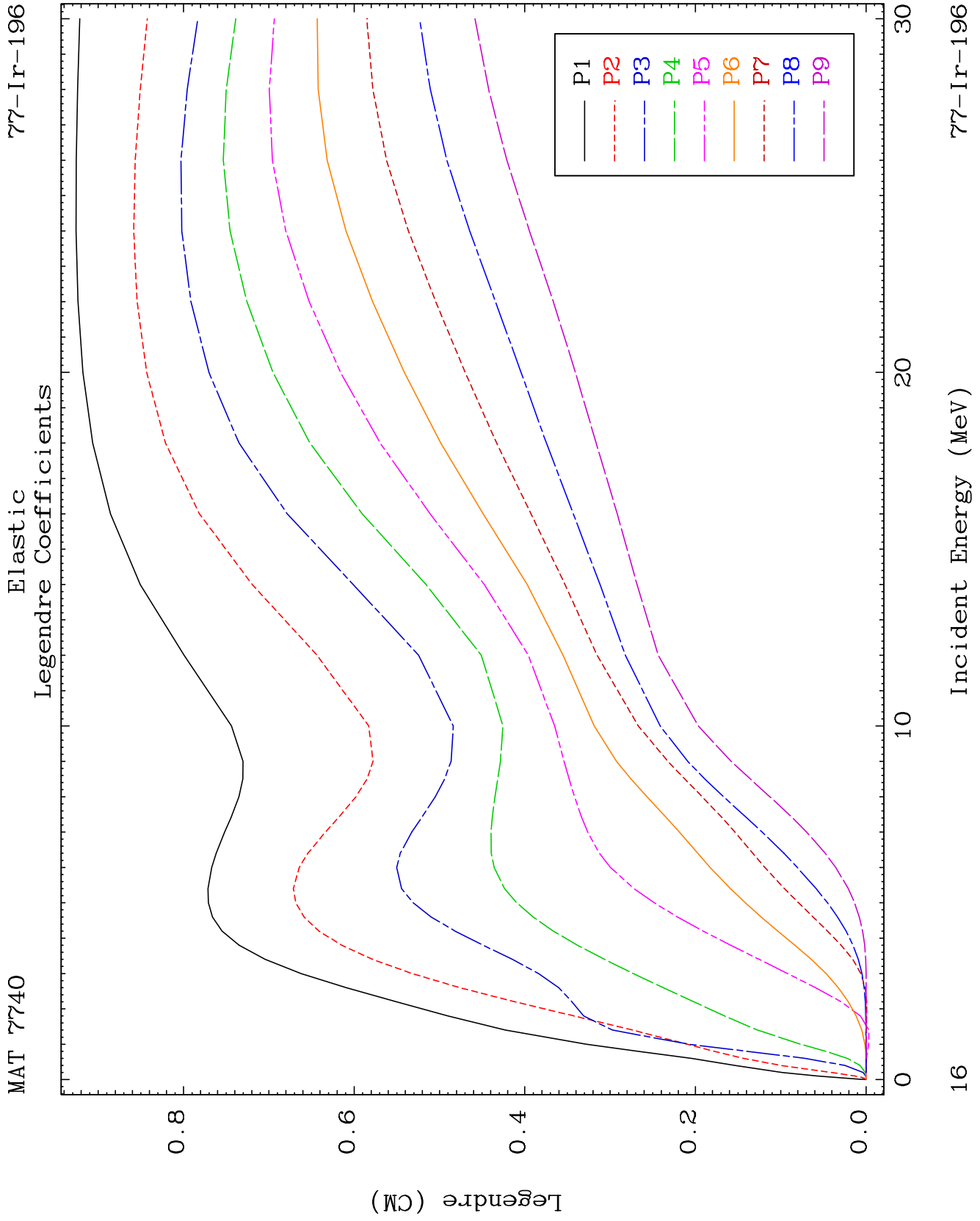
MAT 7740

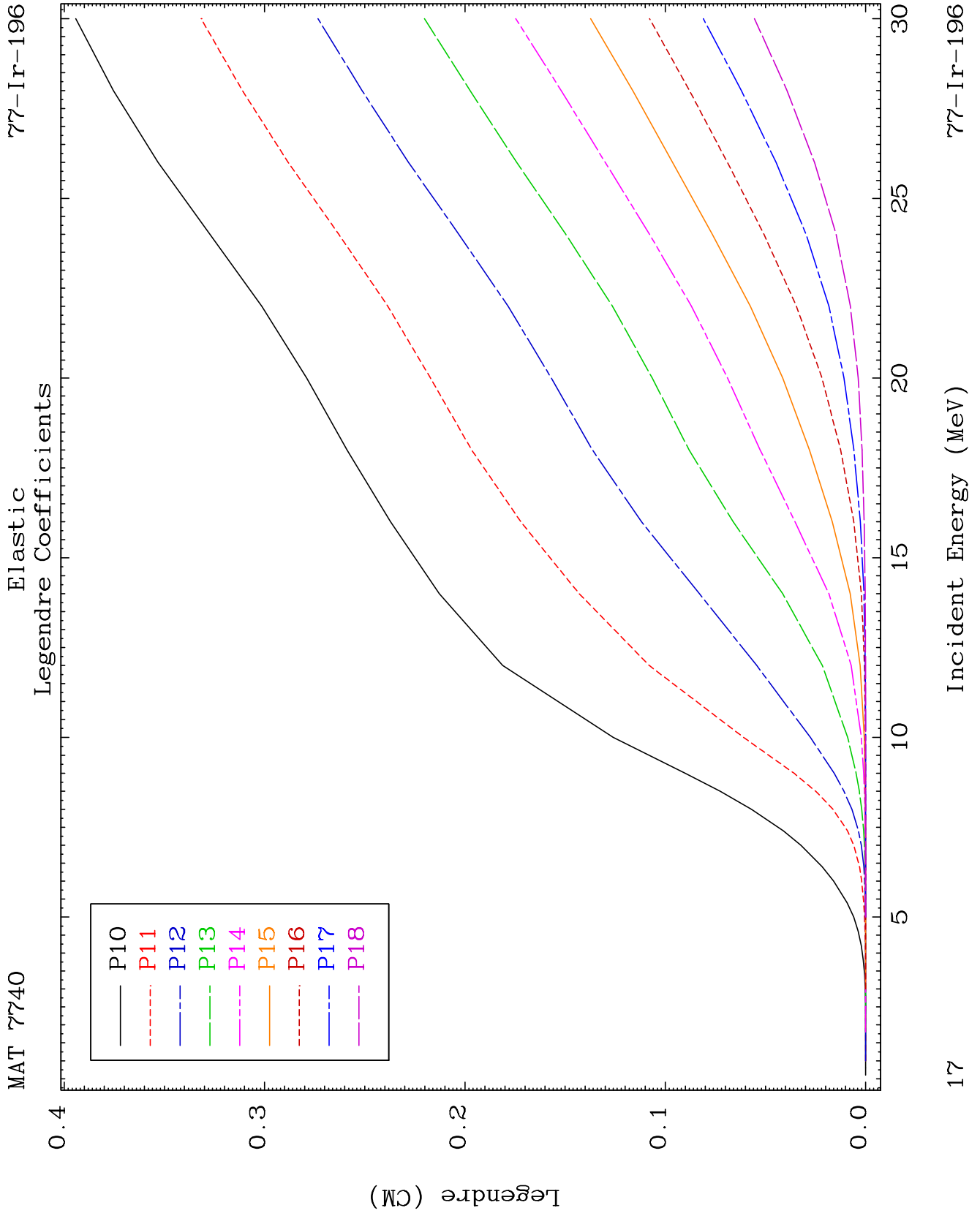
(n,α) Levels
293 Kelvin Cross Sections

77-Ir-196





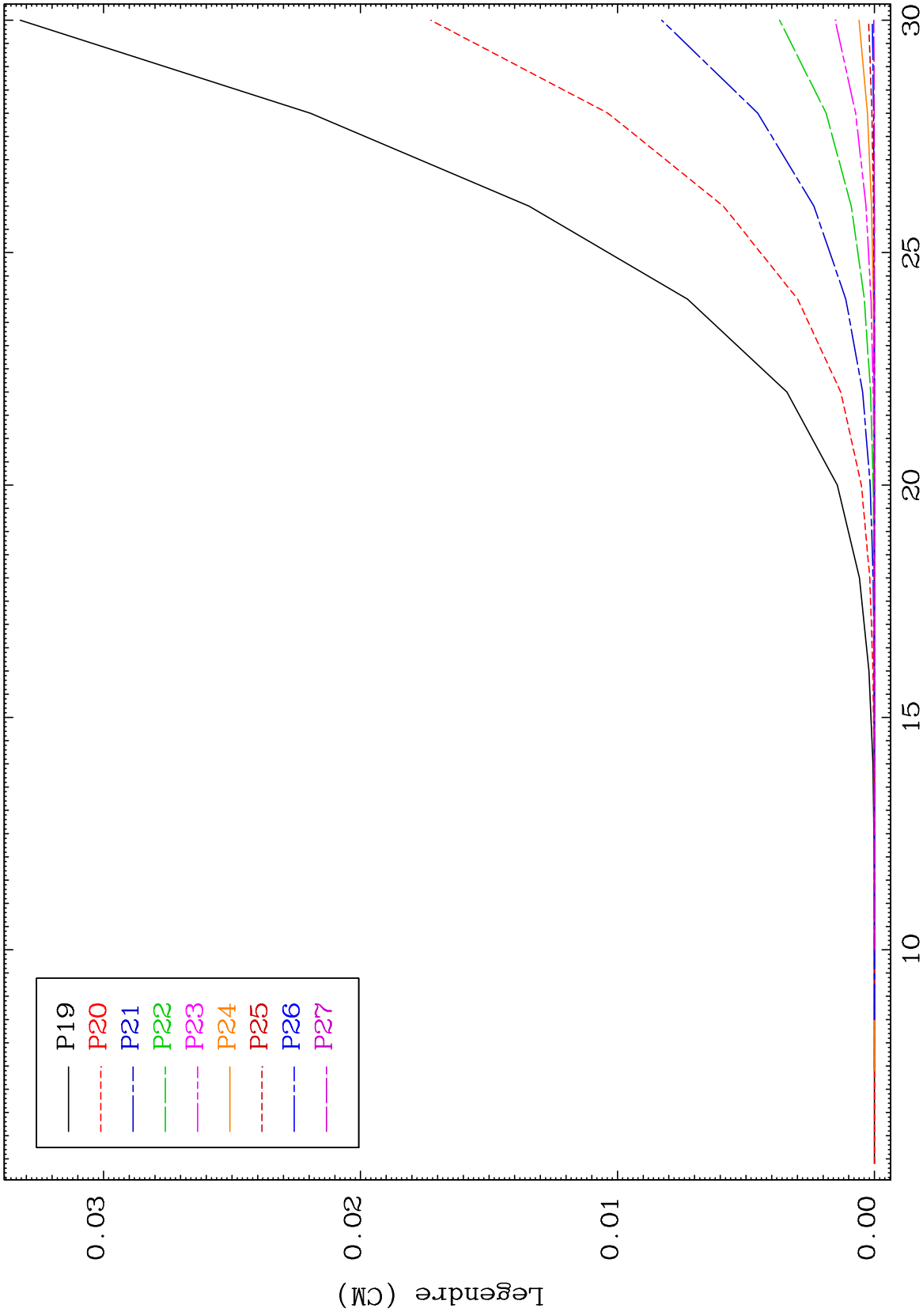




MAT 7740

Elastic Legendre Coefficients

77-Ir-196



18

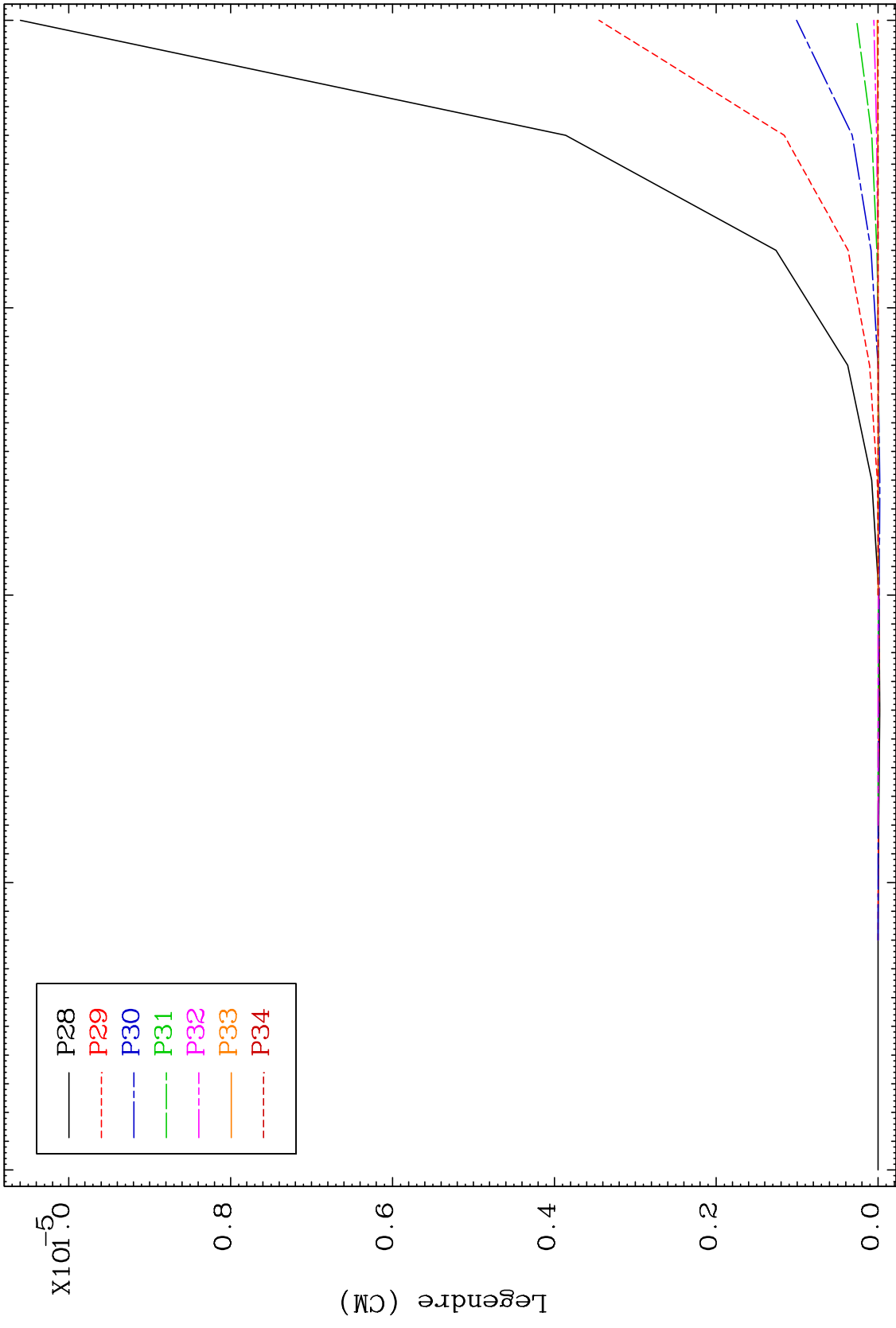
Incident Energy (MeV)

77-Ir-196

MAT 7740

Elastic Legendre Coefficients

77-Ir-196



19

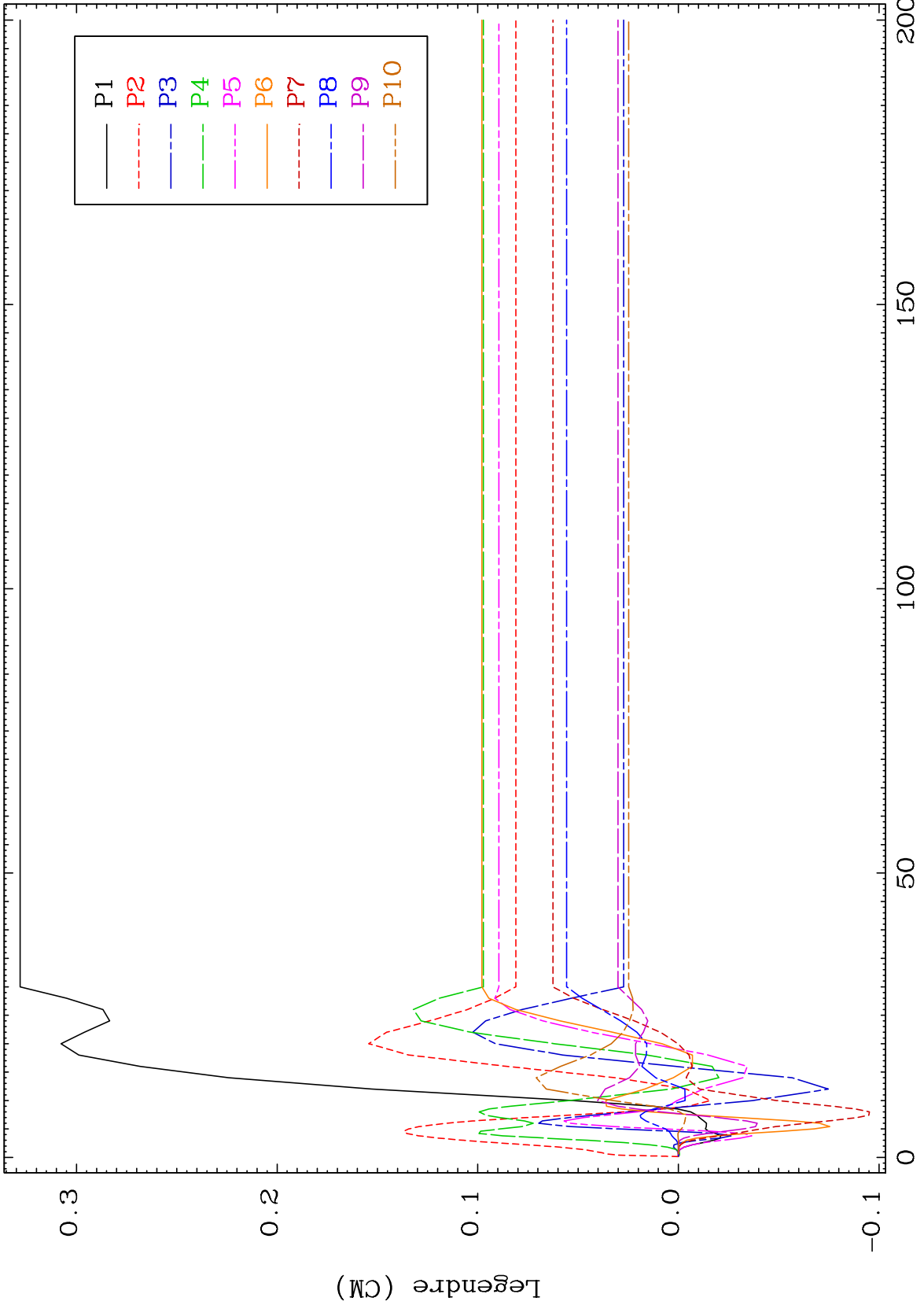
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196



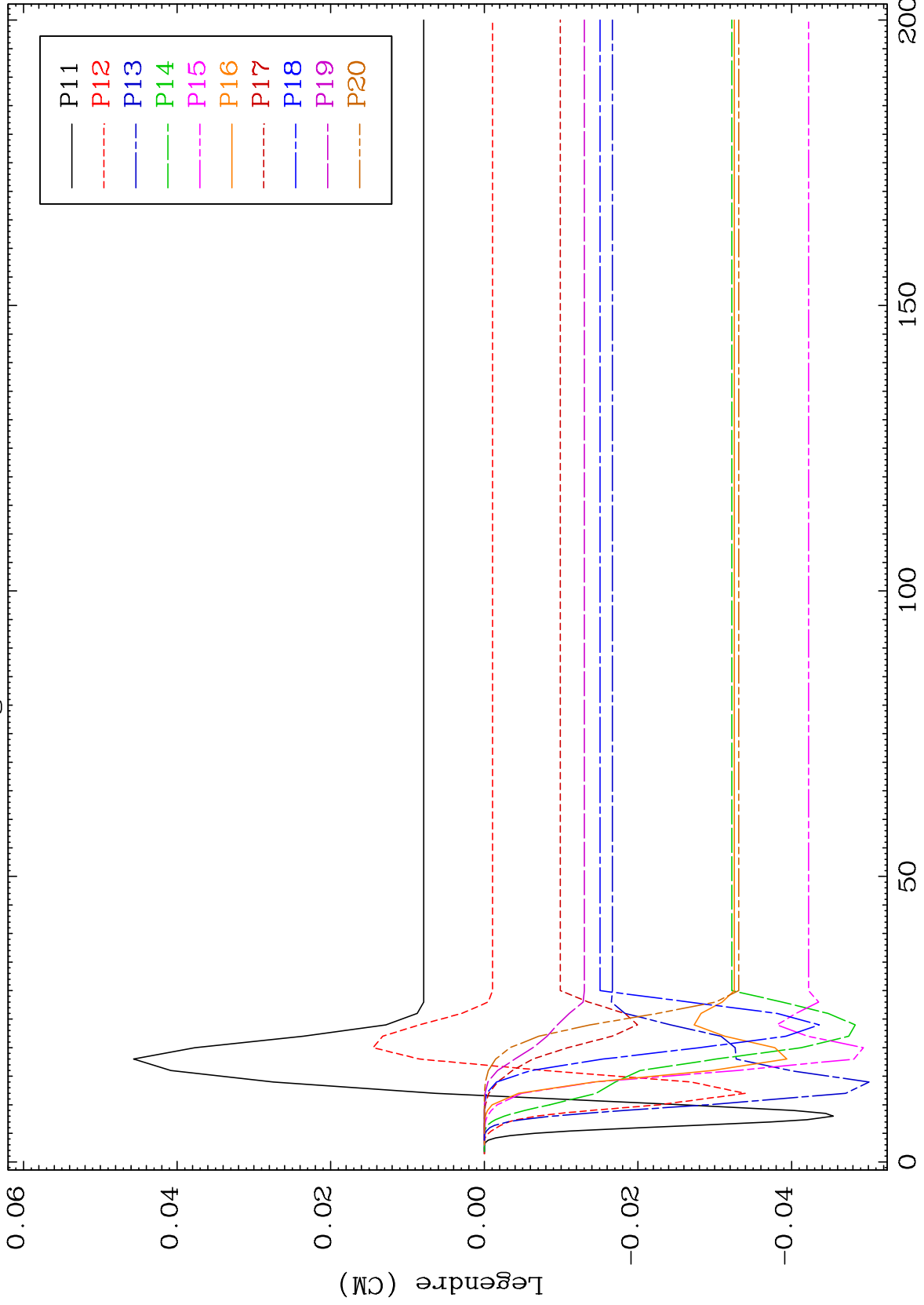
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196



21

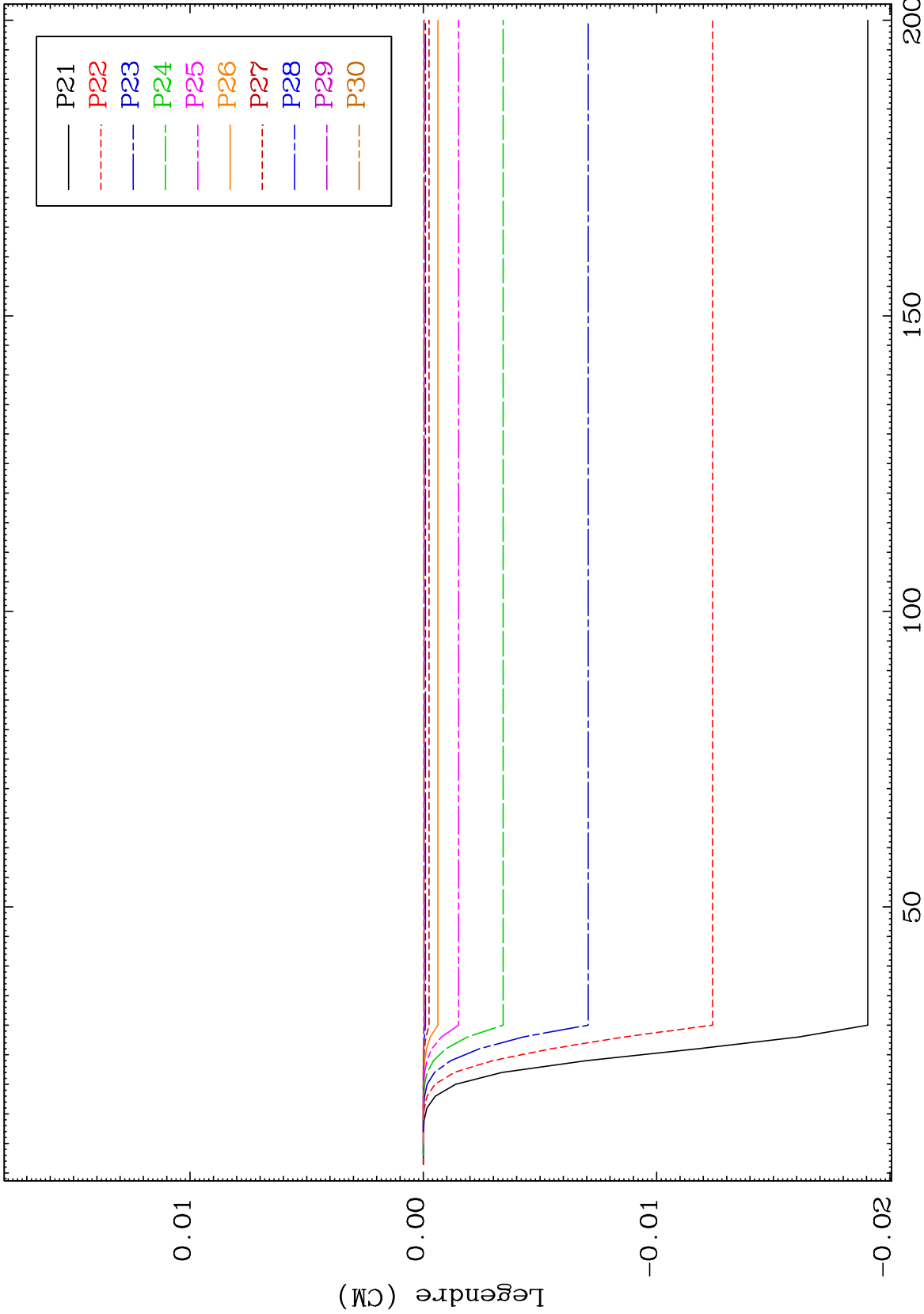
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196



22

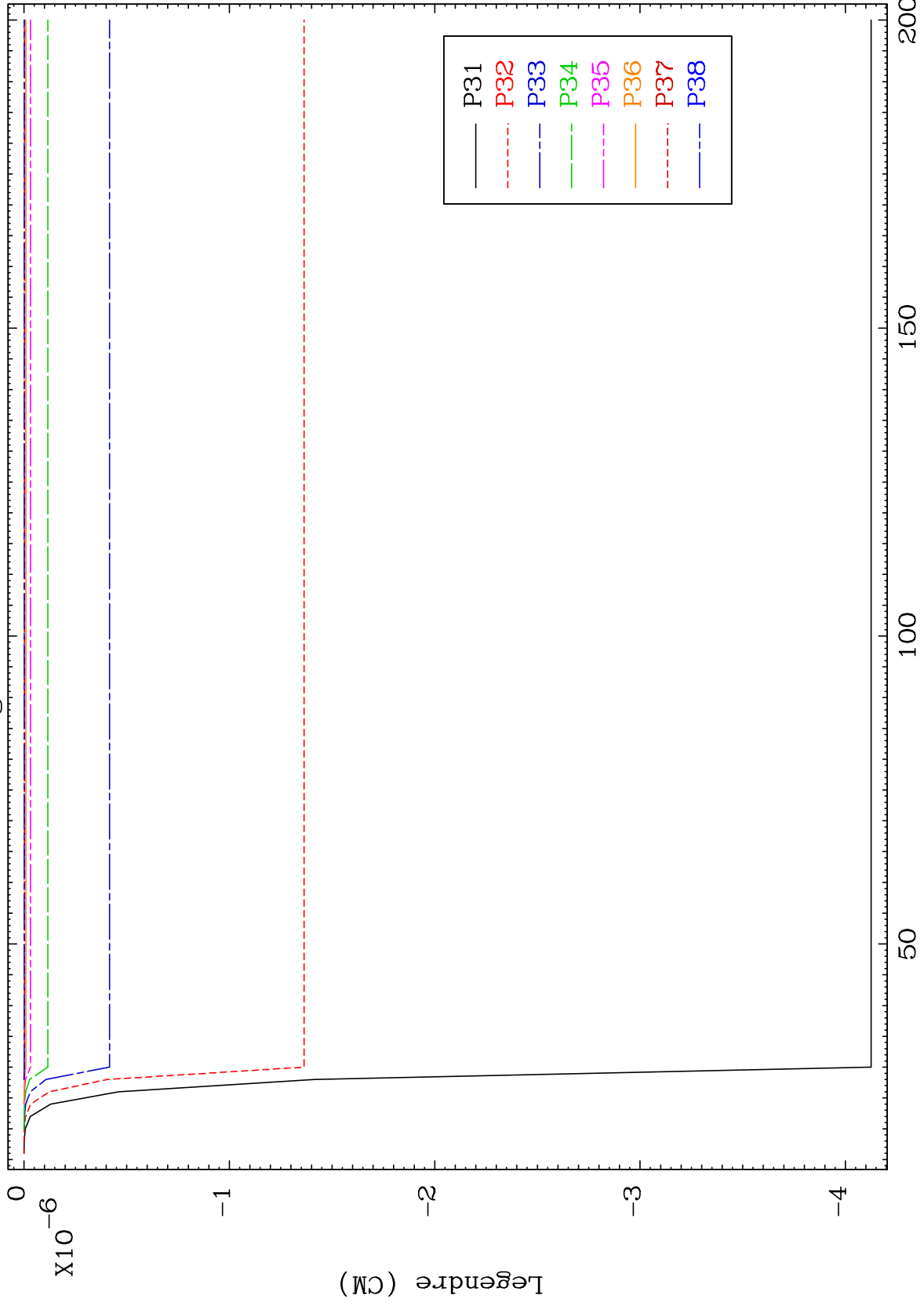
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196



77-Ir-196

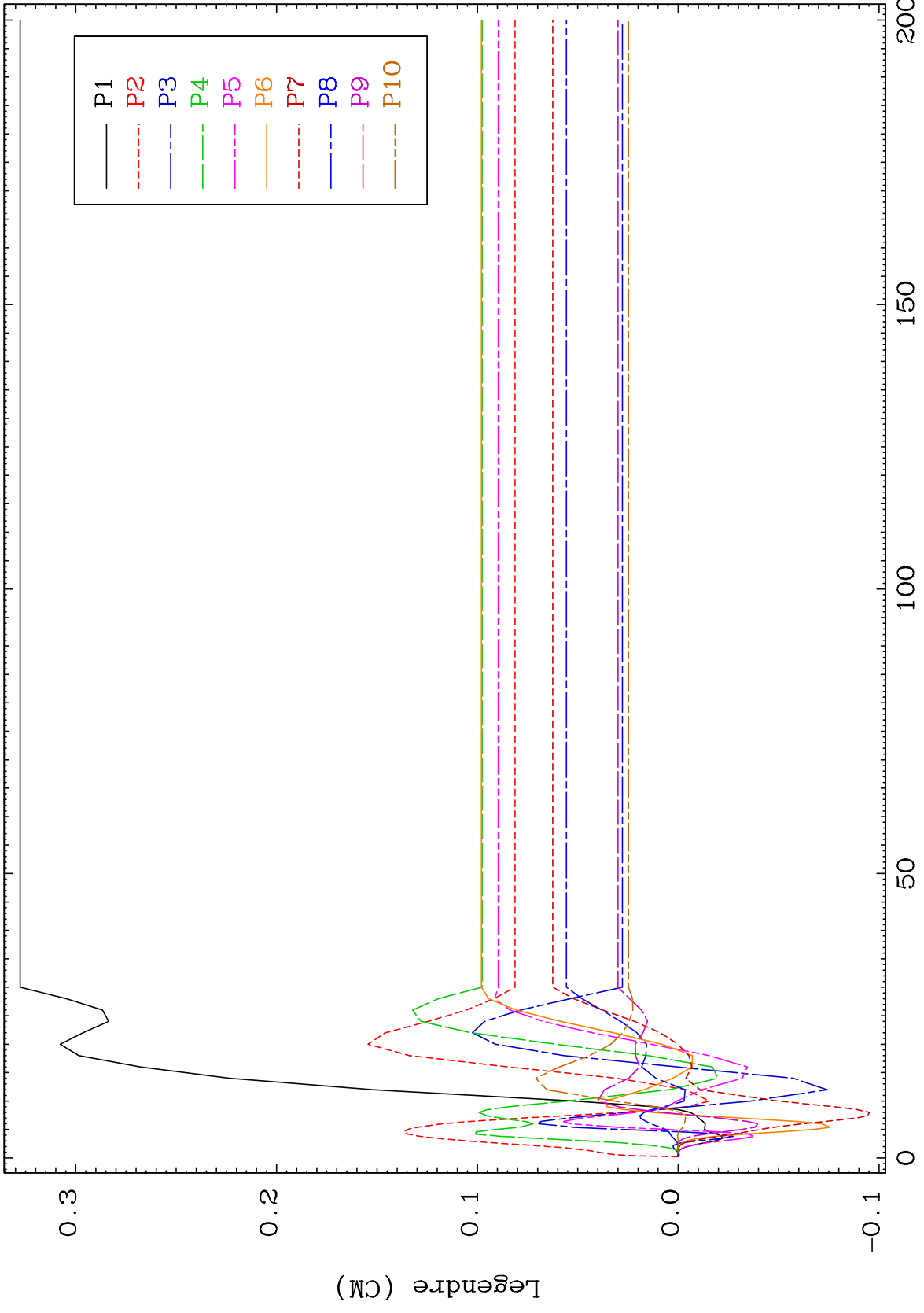
Incident Energy (MeV)

23

MAT 7740

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

77-Ir-196



24

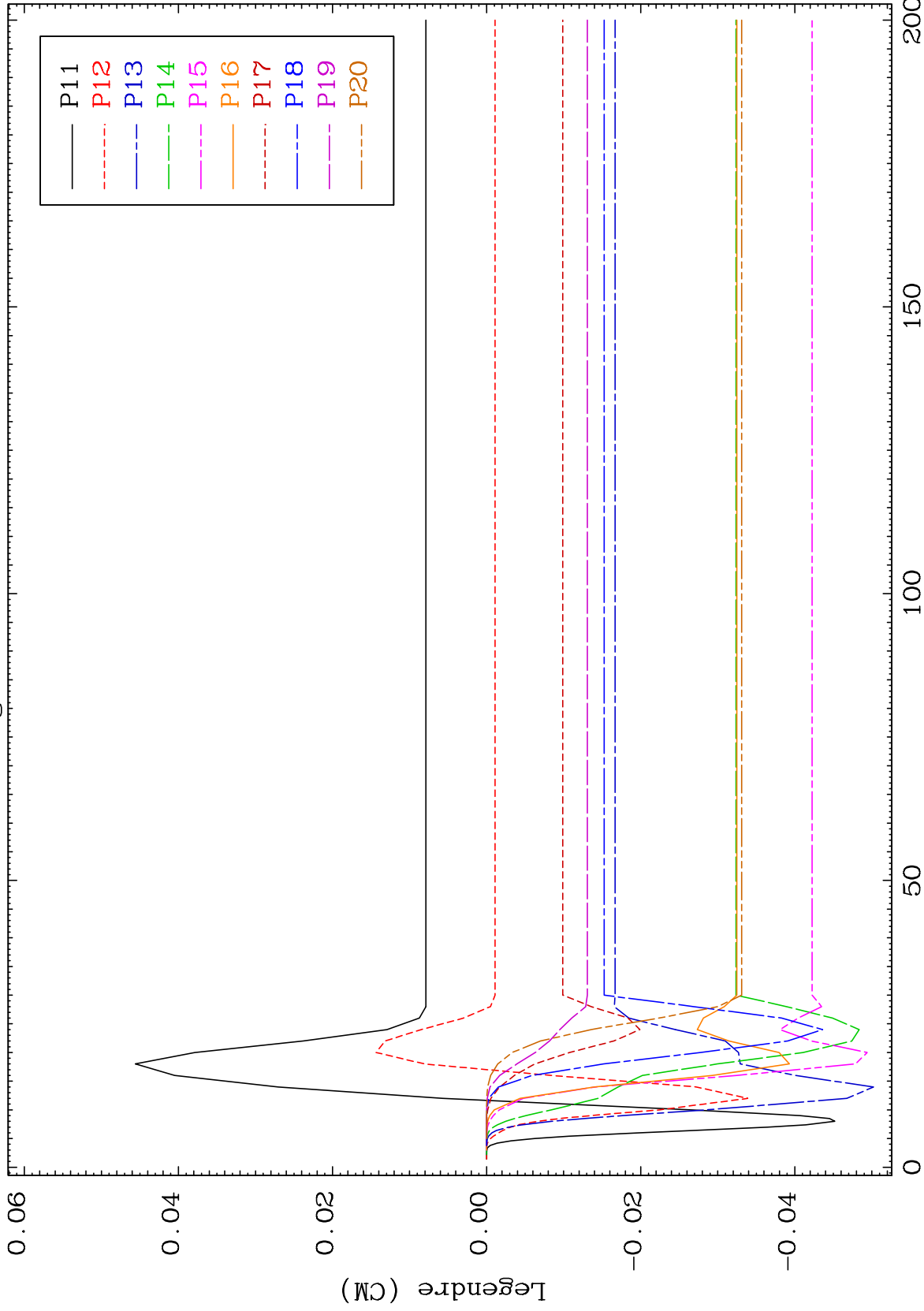
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196



25

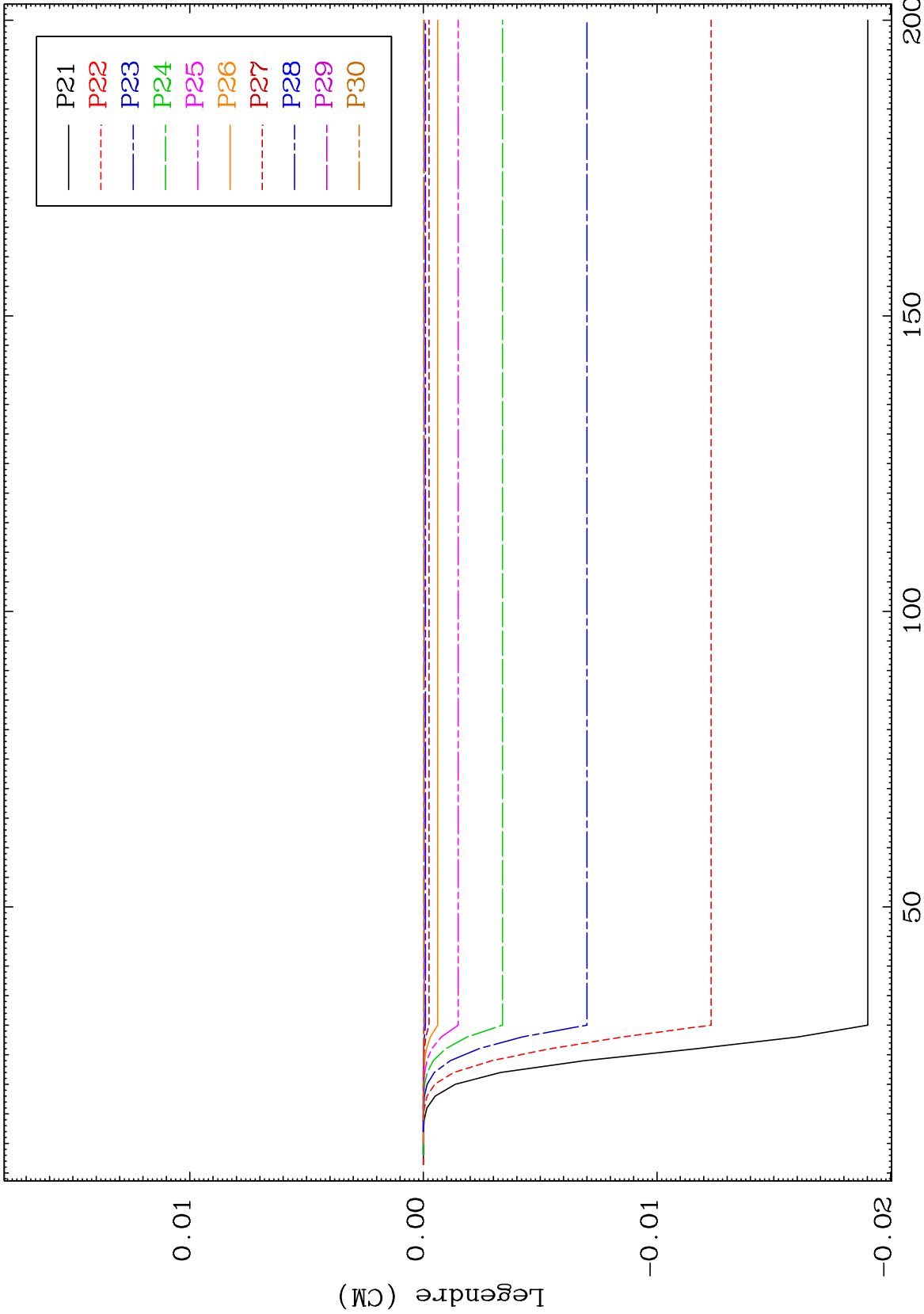
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196

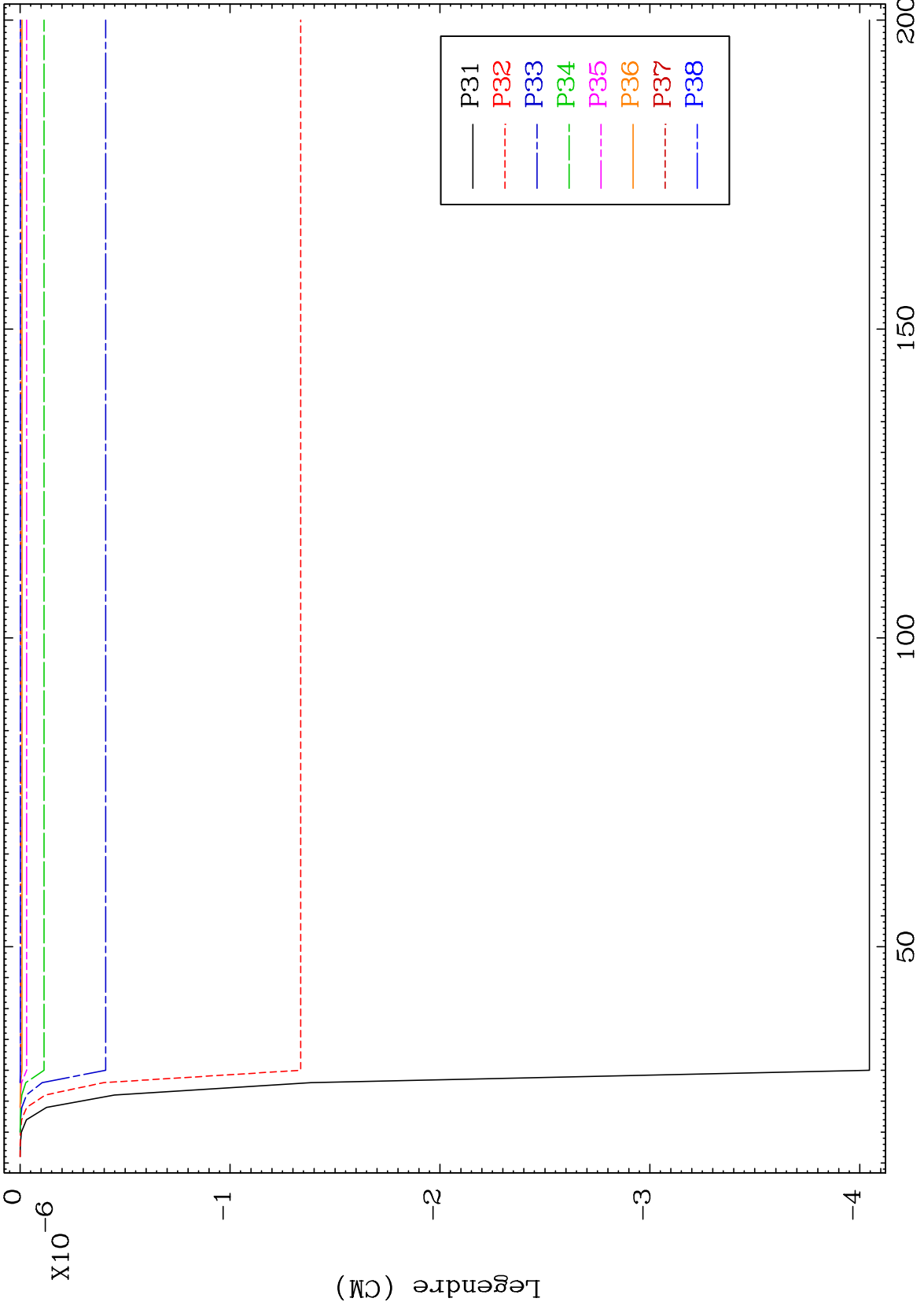


26

Incident Energy (MeV)

77-Ir-196

MAT 7740 MT= 52 (n,n') Level Legendre Coefficients 77-Ir-196

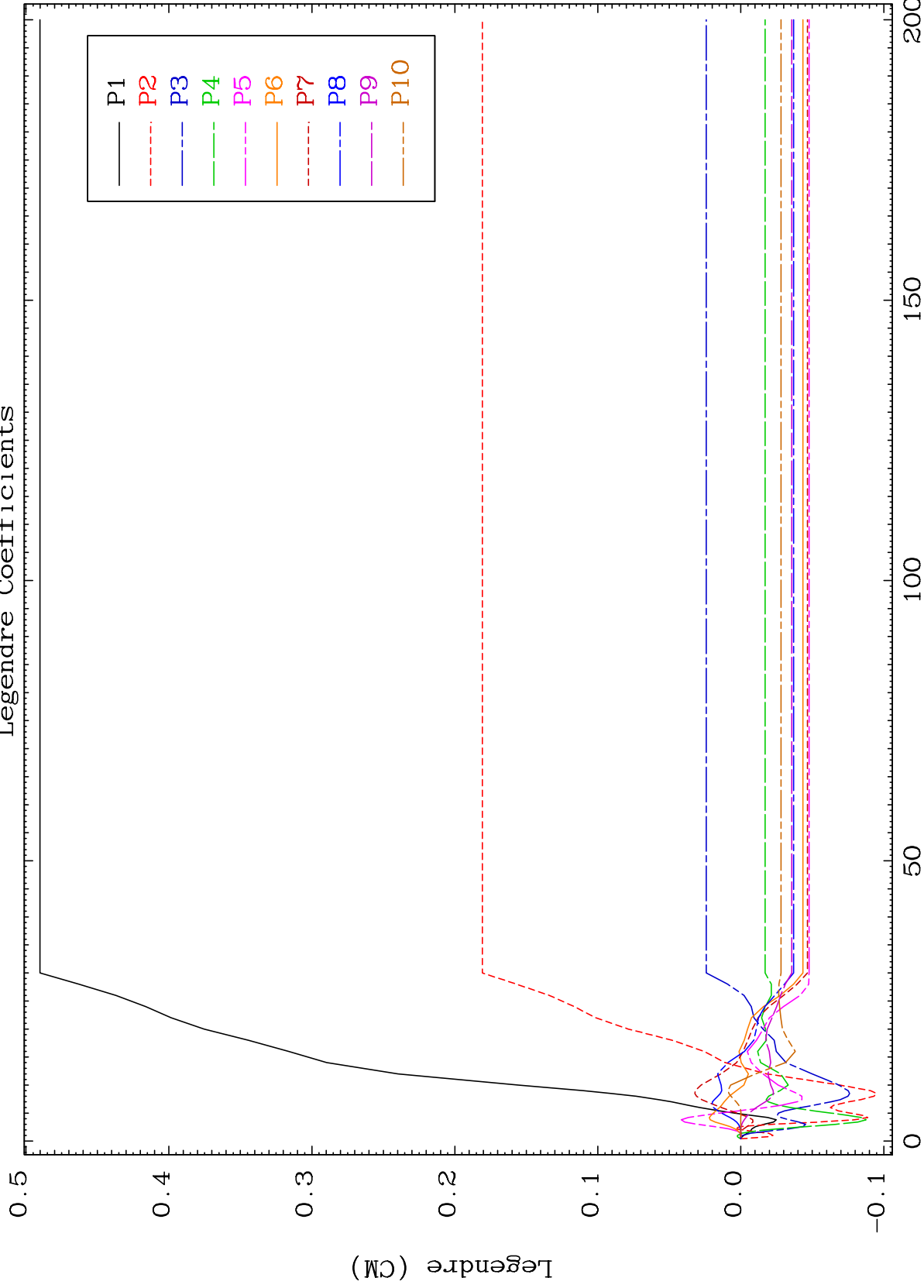


27 Incident Energy (MeV) 77-Ir-196

MAT 7740

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

77-Ir-196



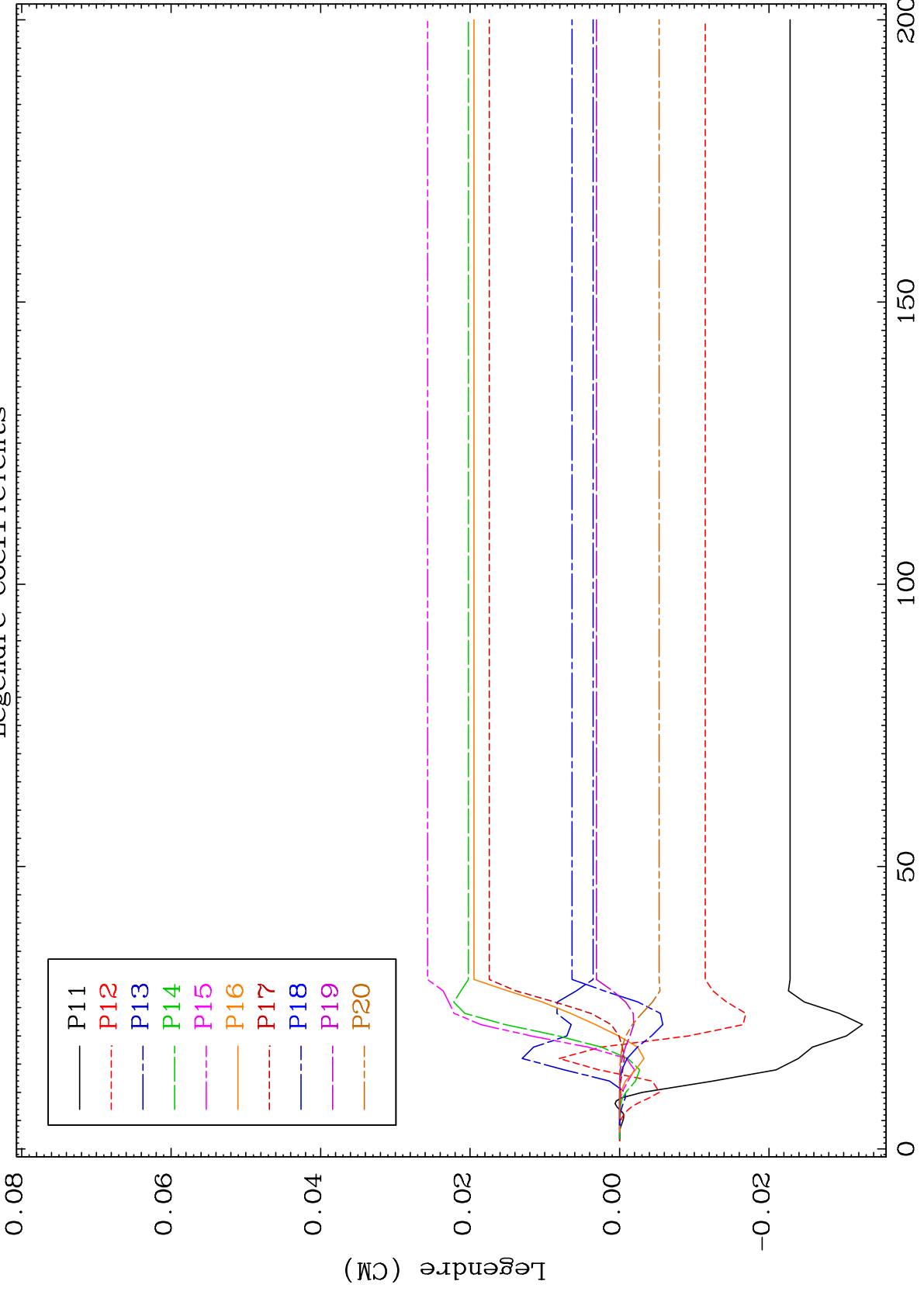
28

77-Ir-196

MAT 7740

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

77-Ir-196



29

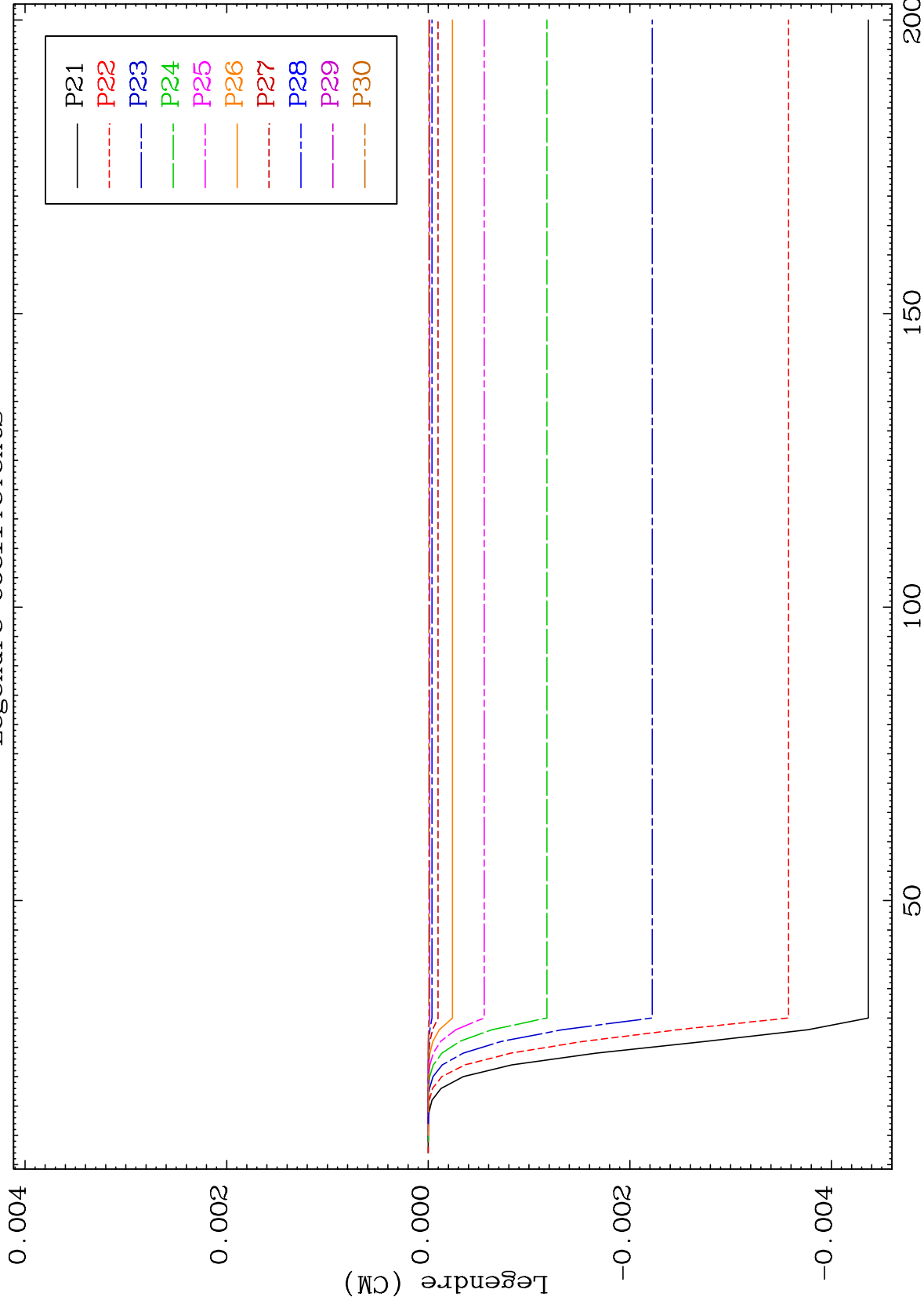
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196



30

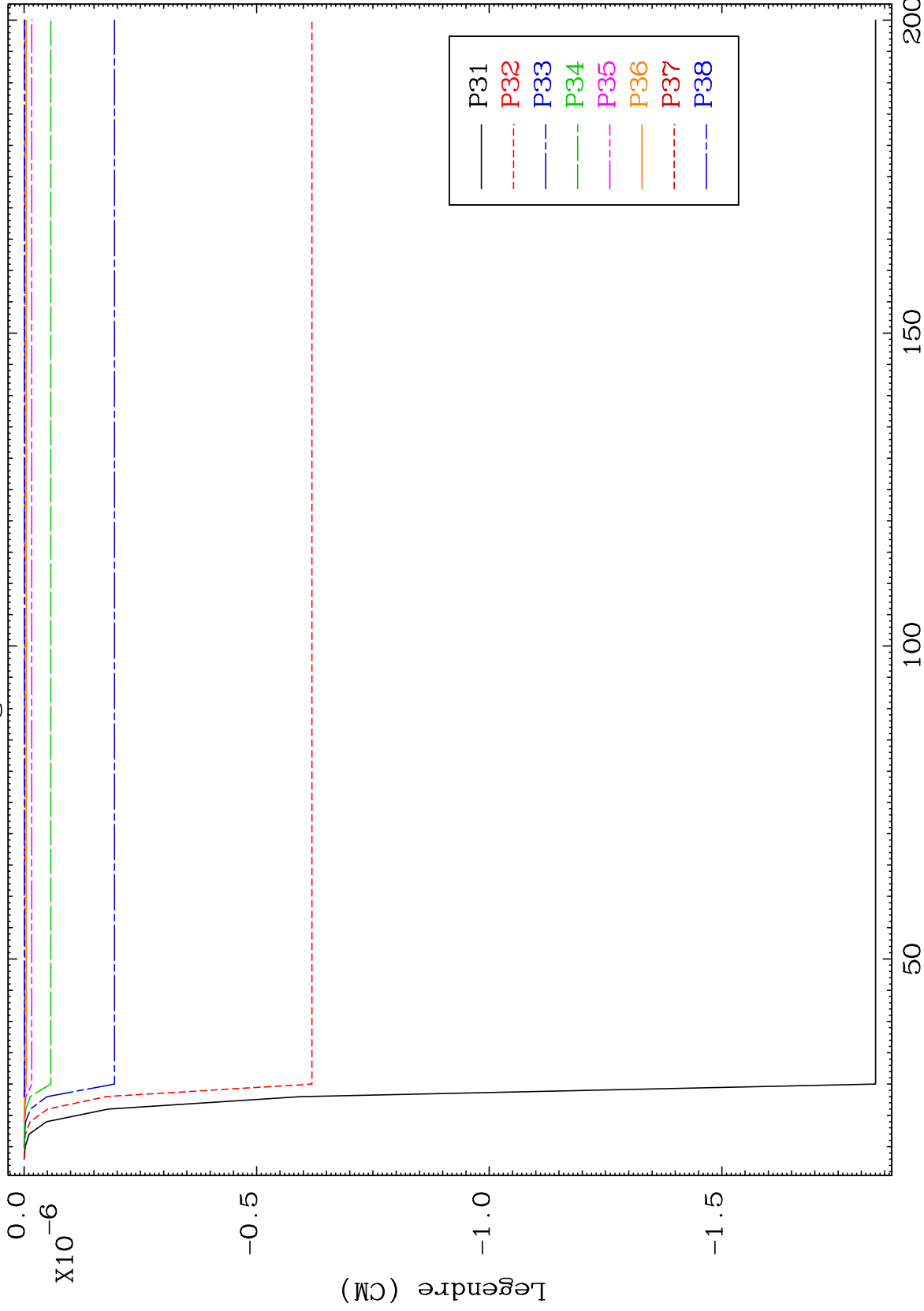
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196



31

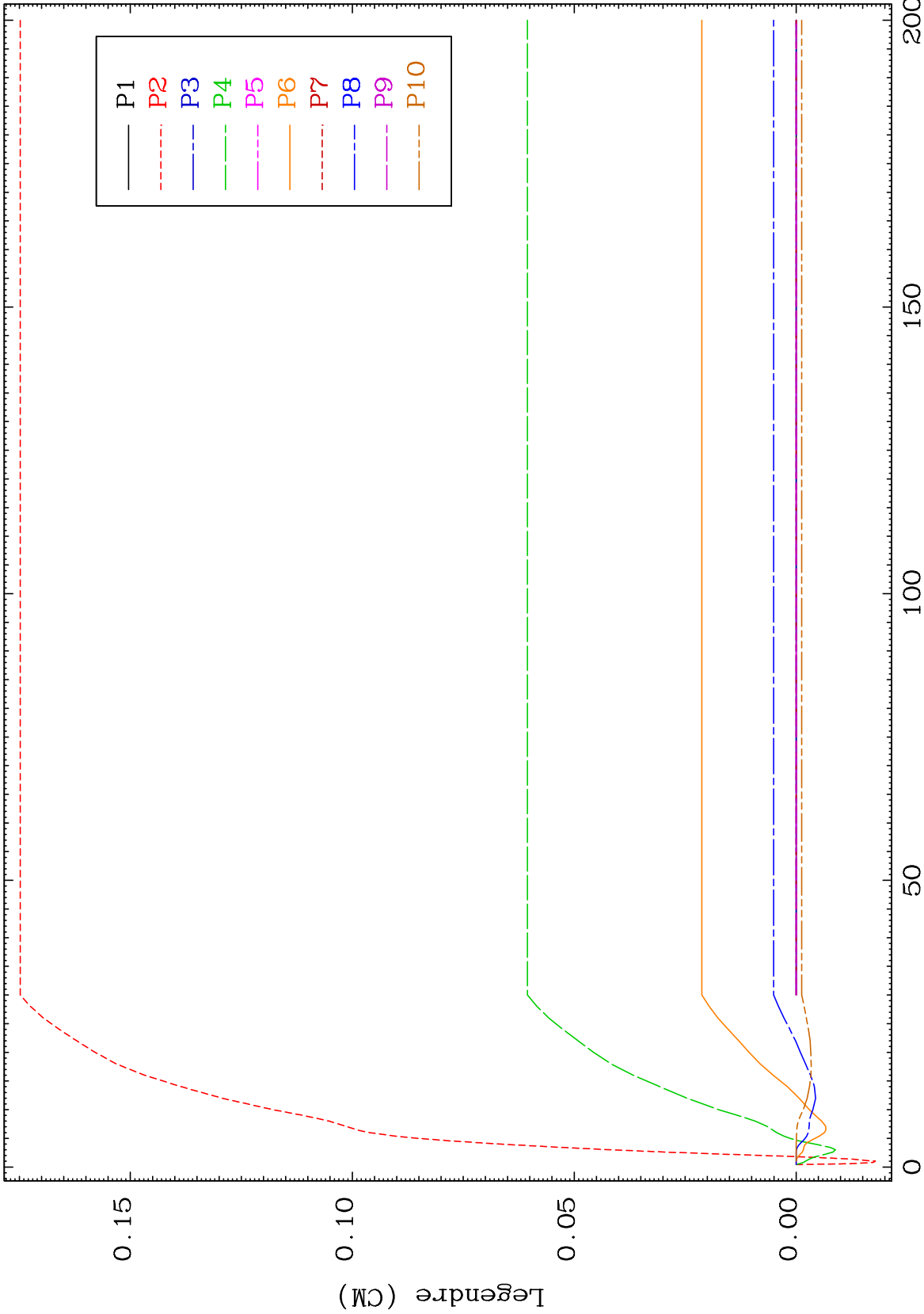
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196



32

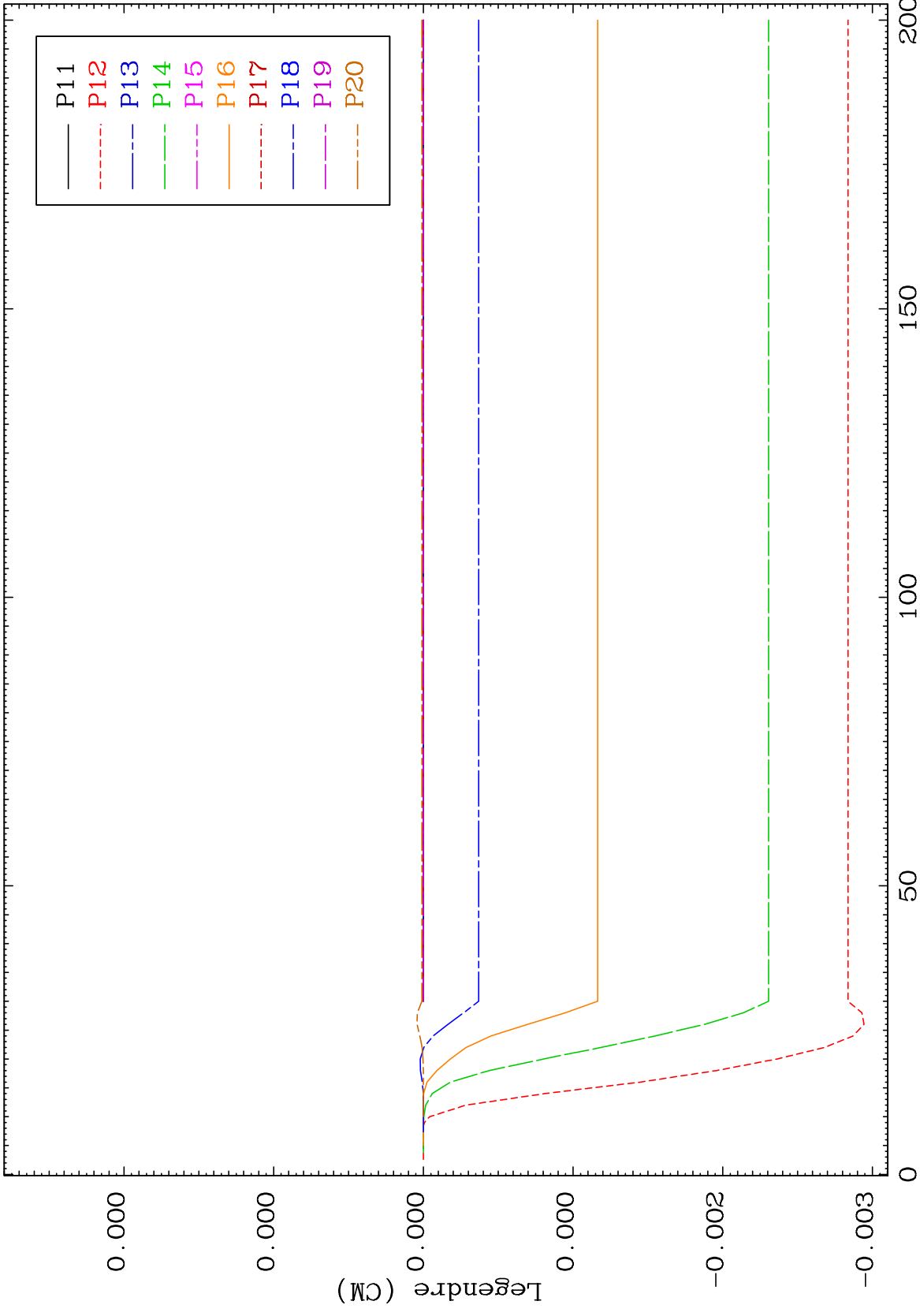
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196



33

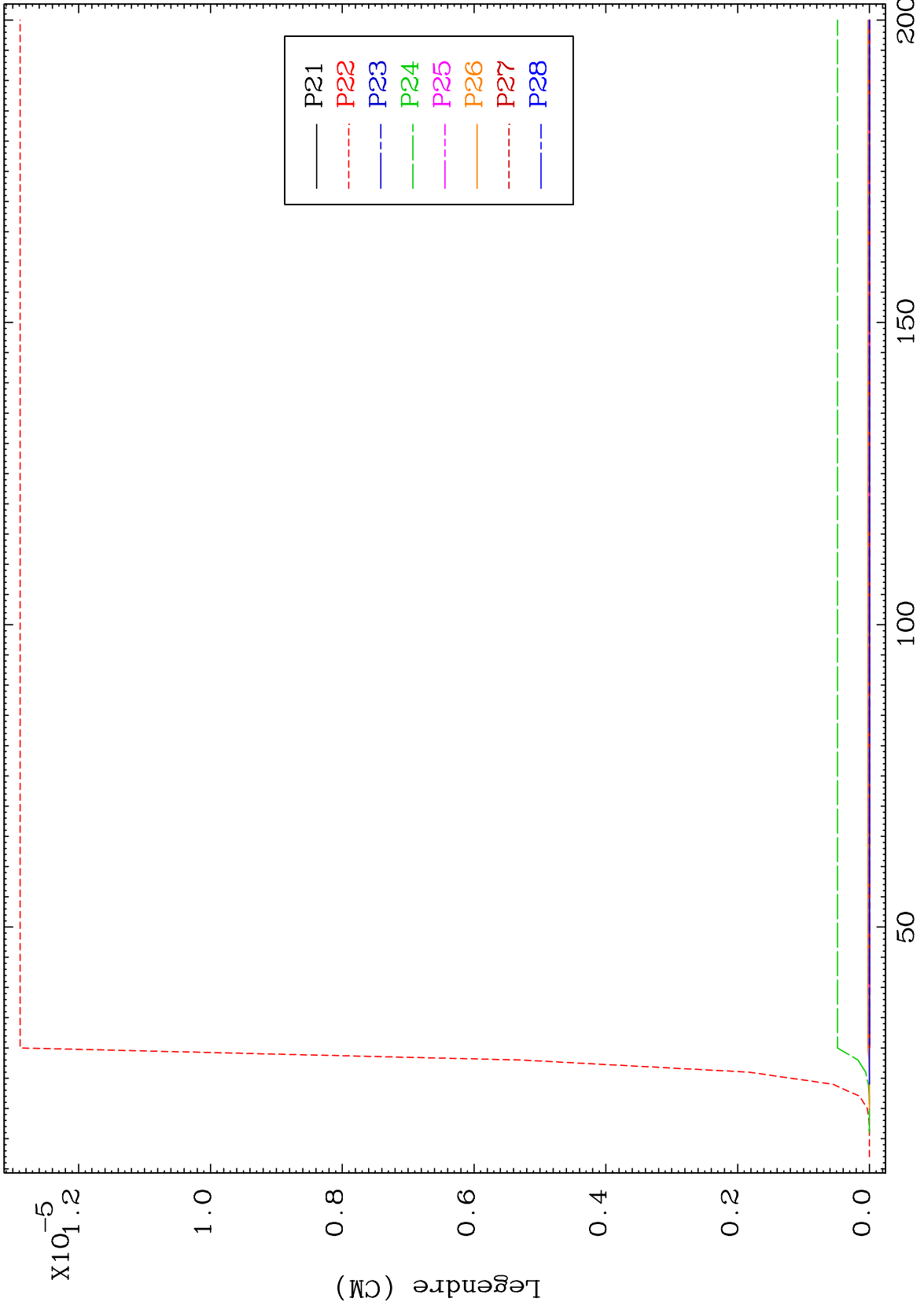
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196



34

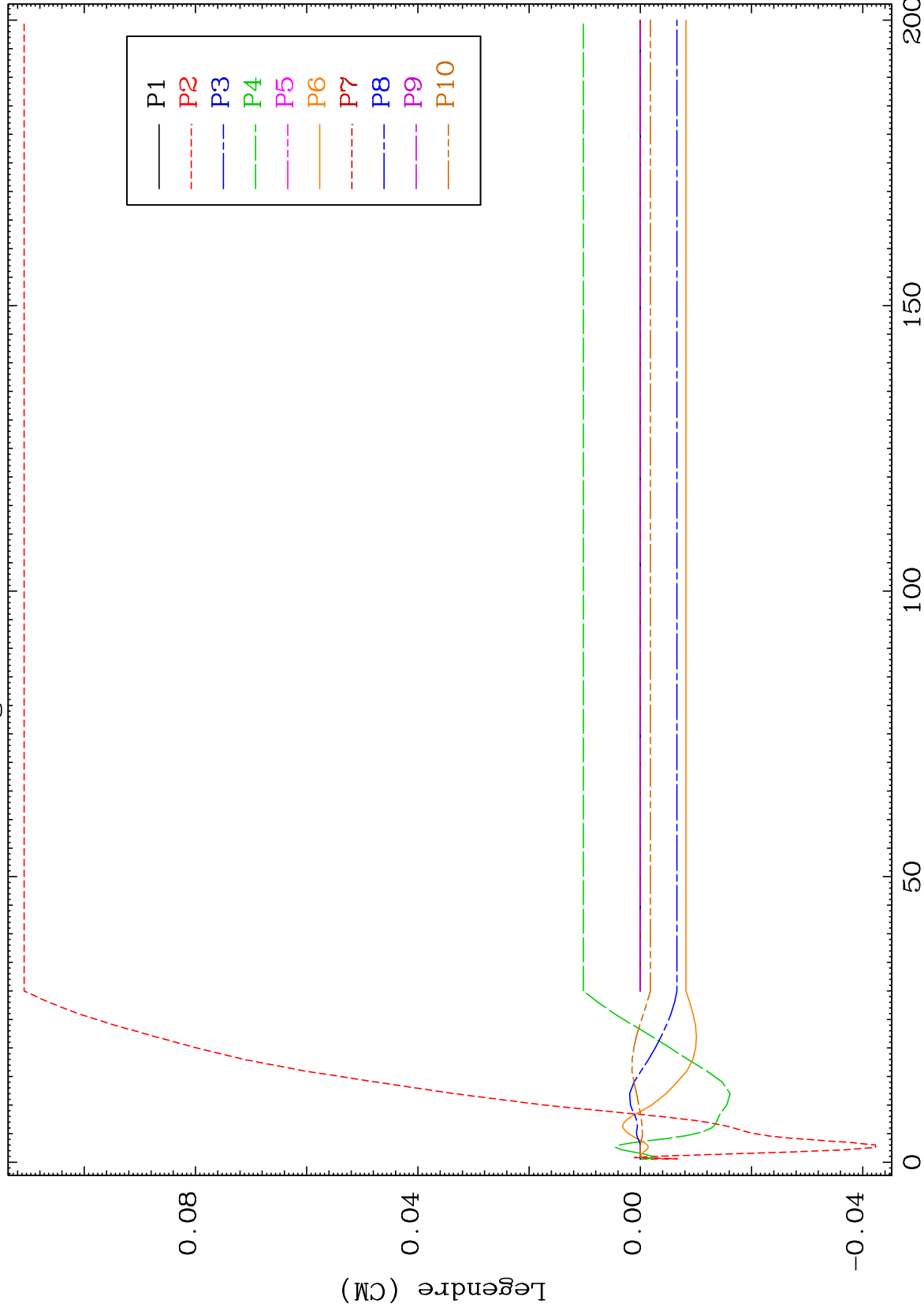
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196



35

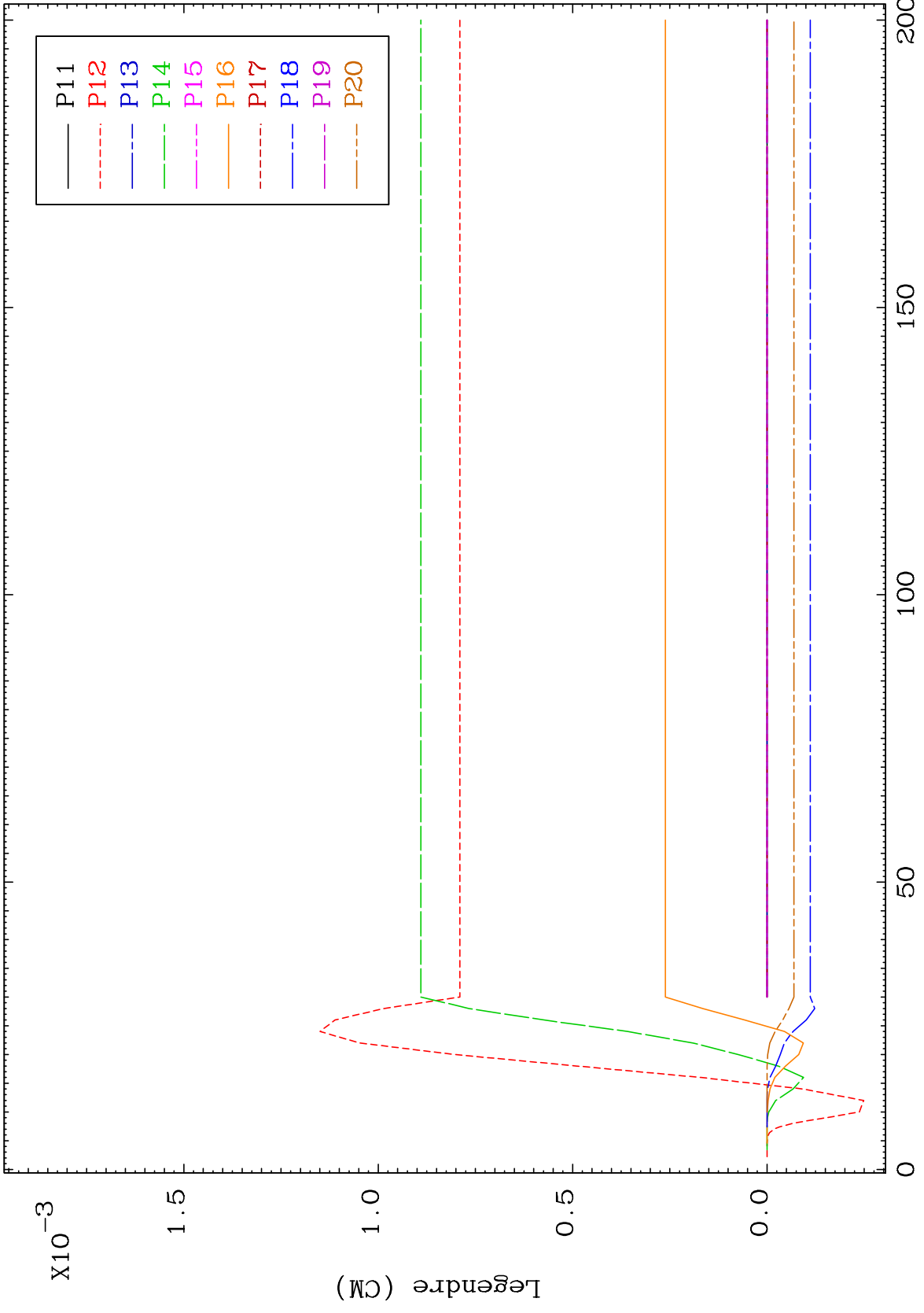
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196



36

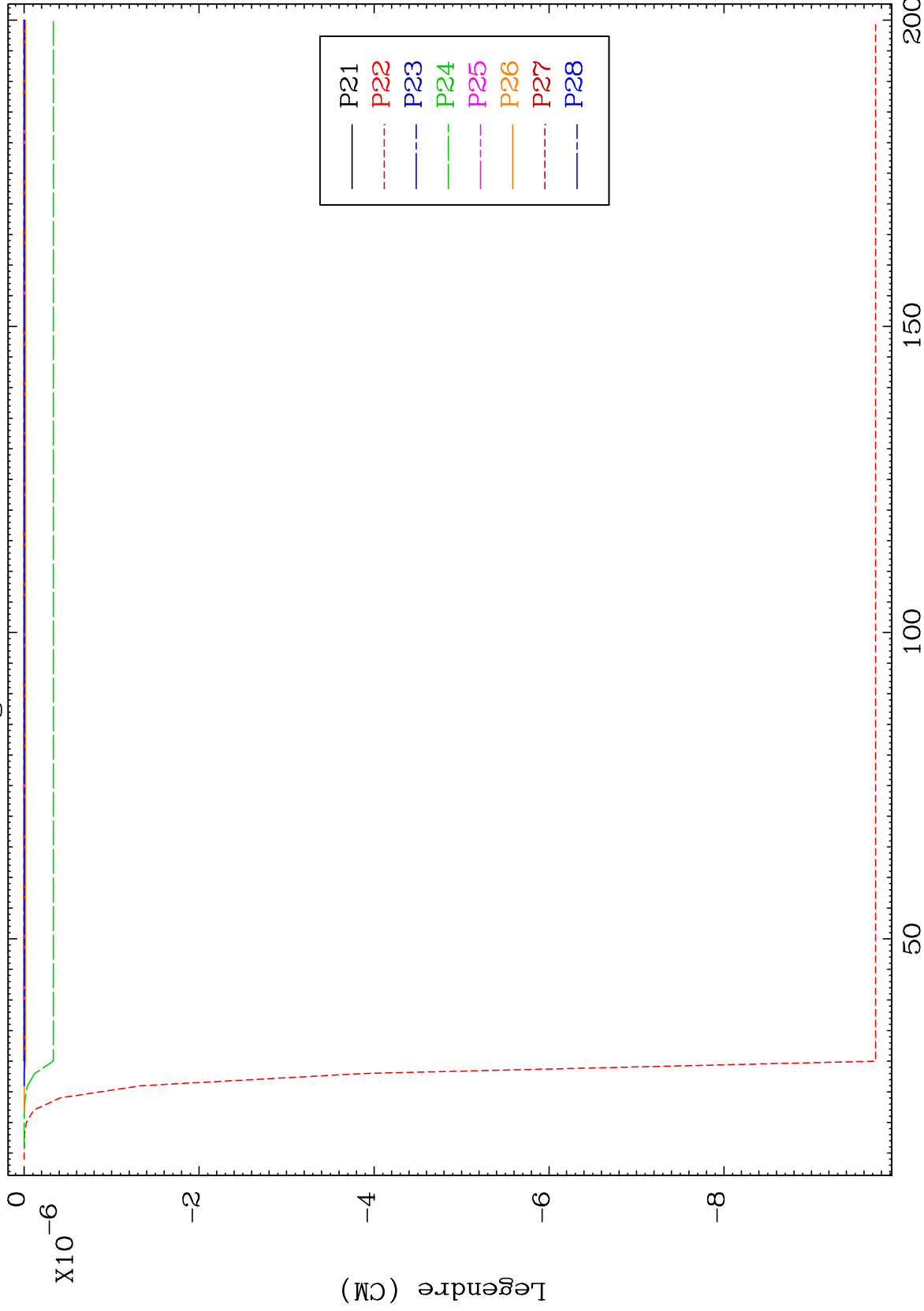
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196



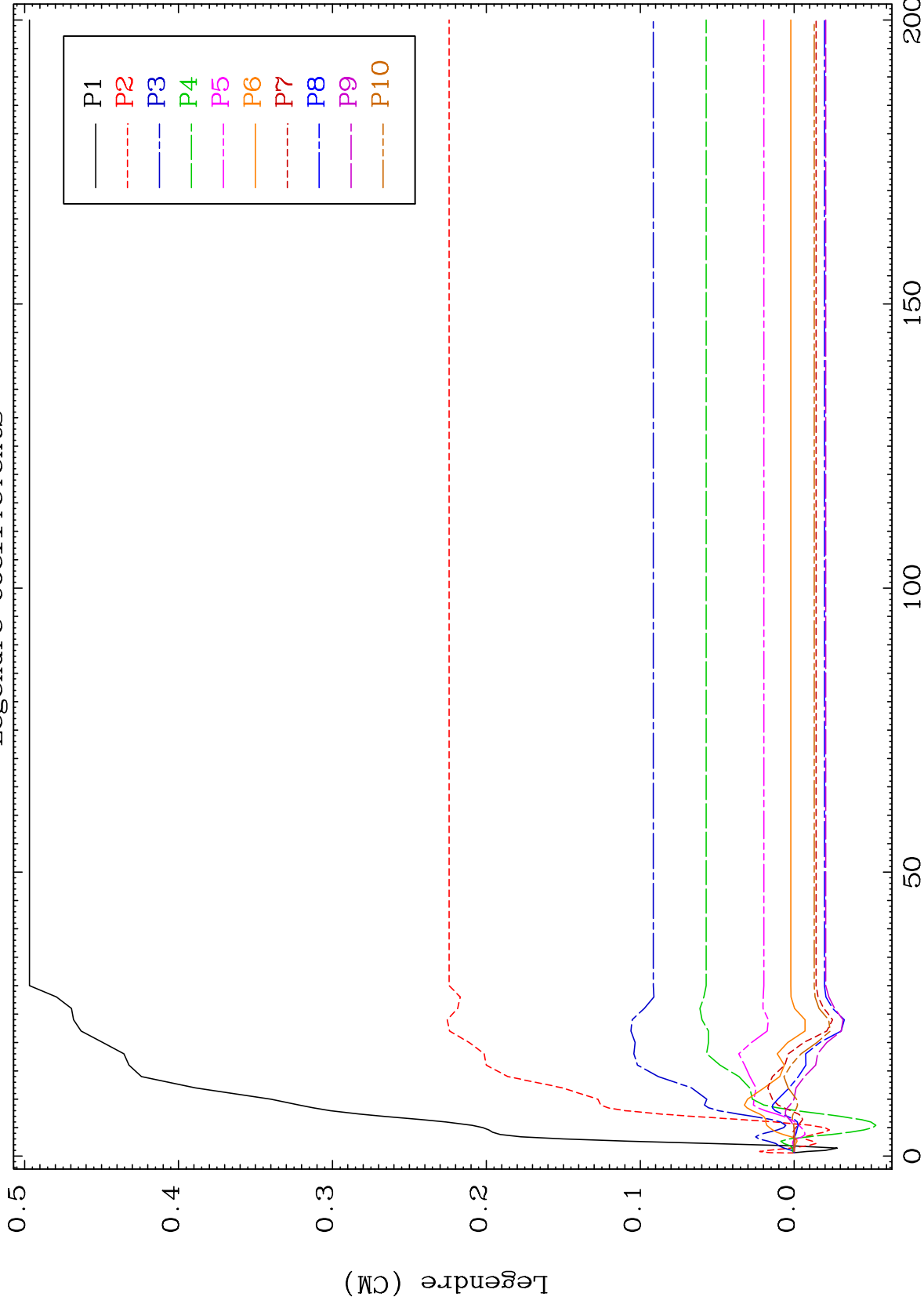
37

77-Ir-196

MAT 7740

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

77-Ir-196



38

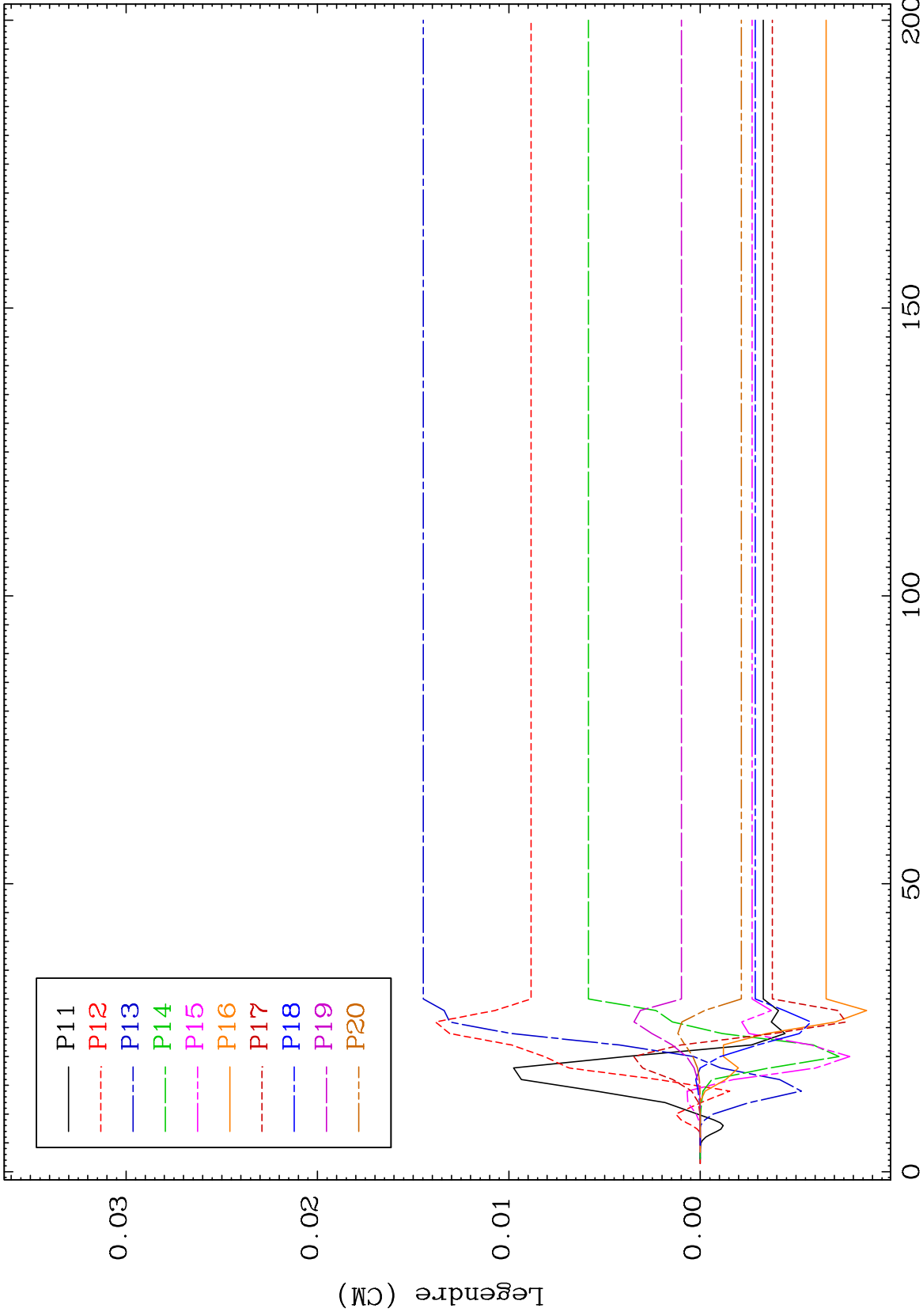
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196



39

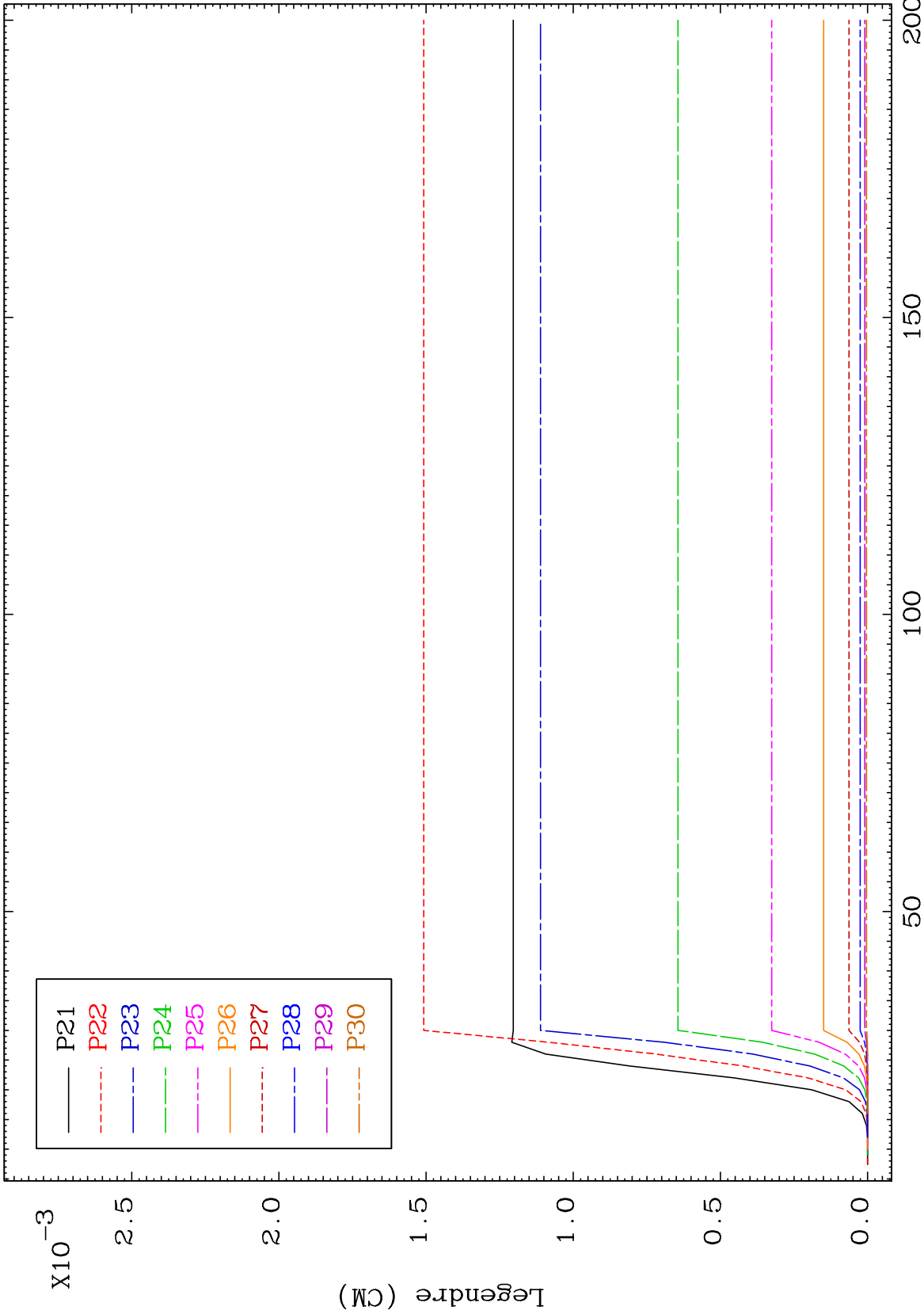
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196



40

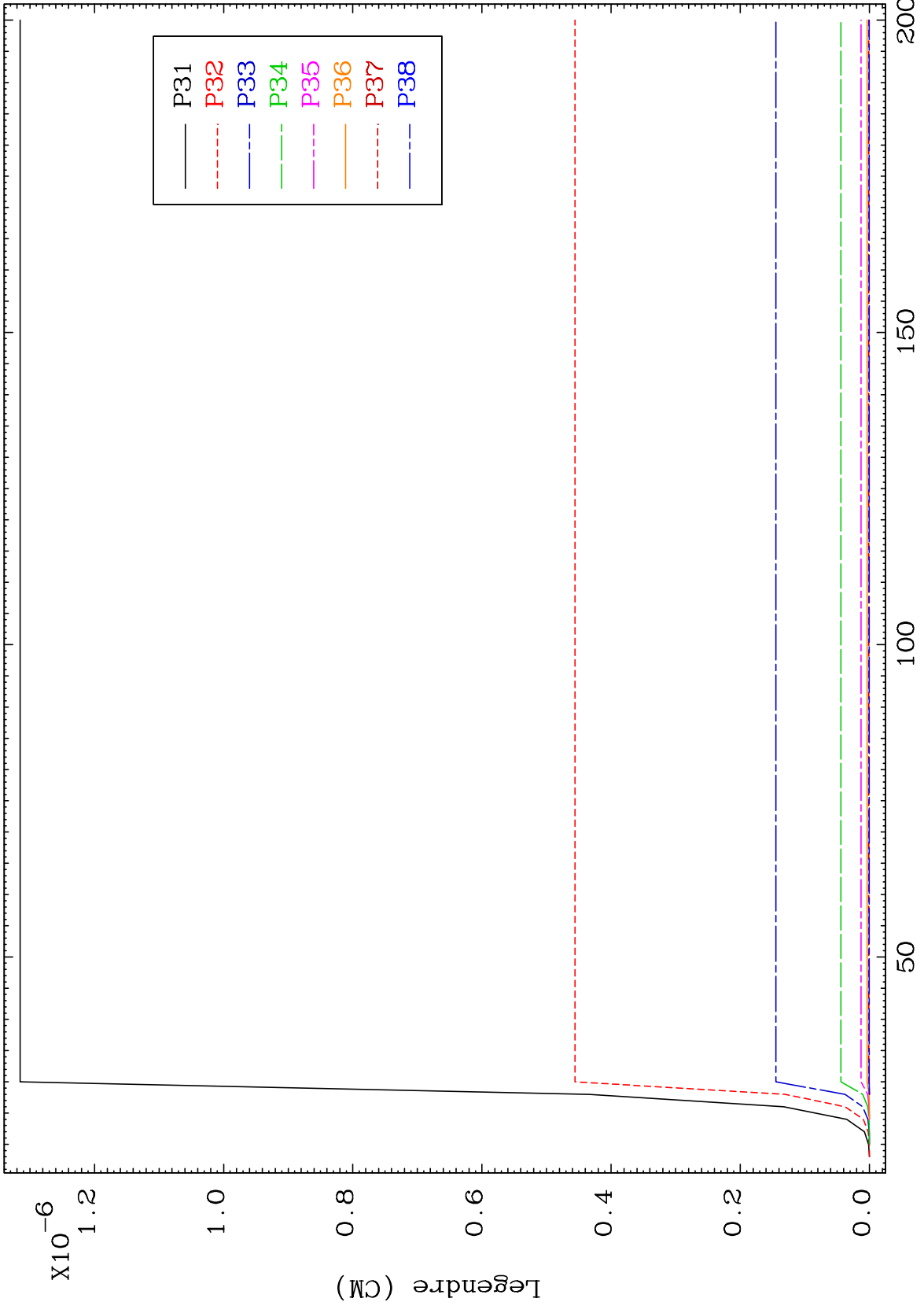
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196



41

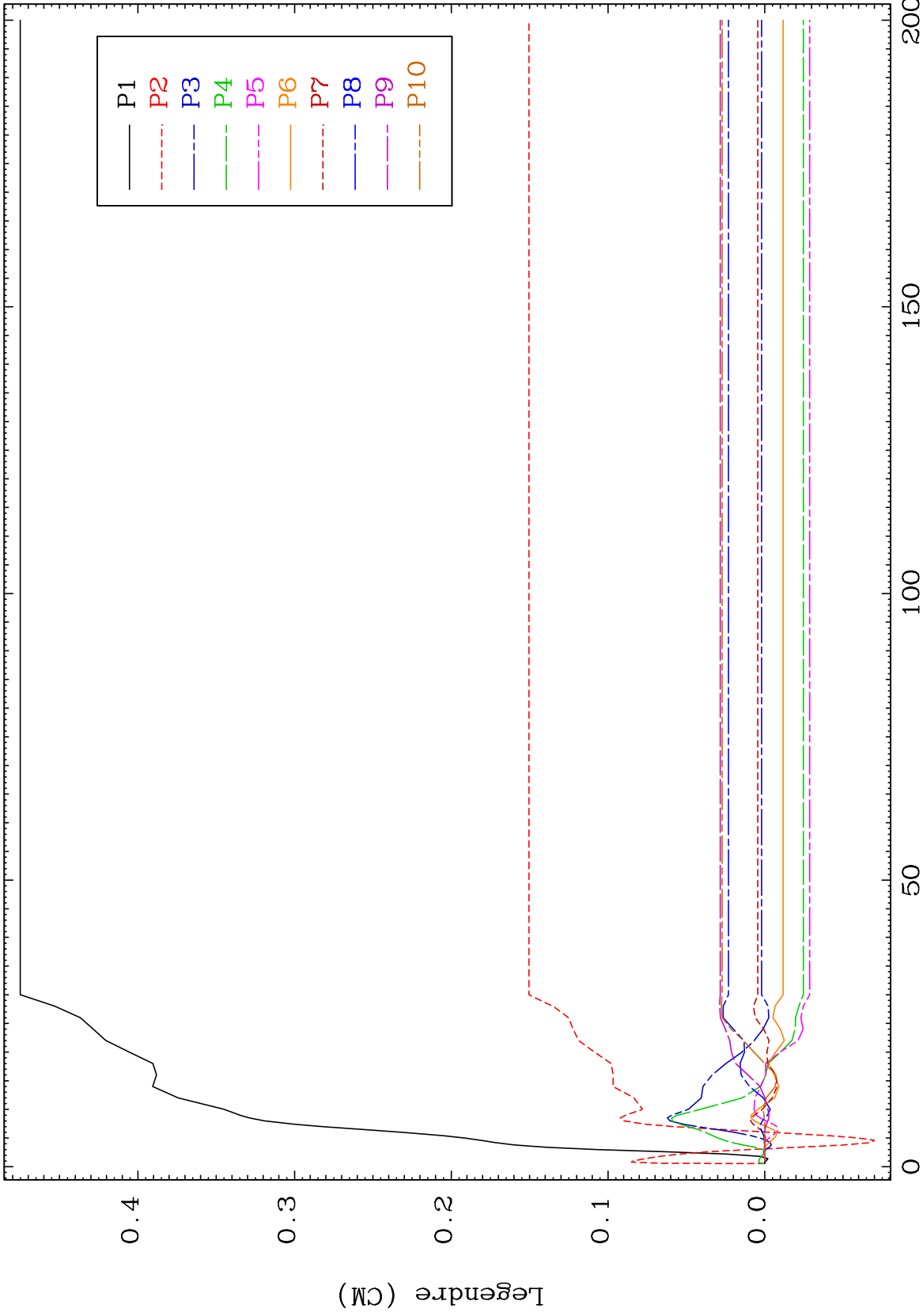
Incident Energy (MeV)

77-Ir-196

MAT 7740

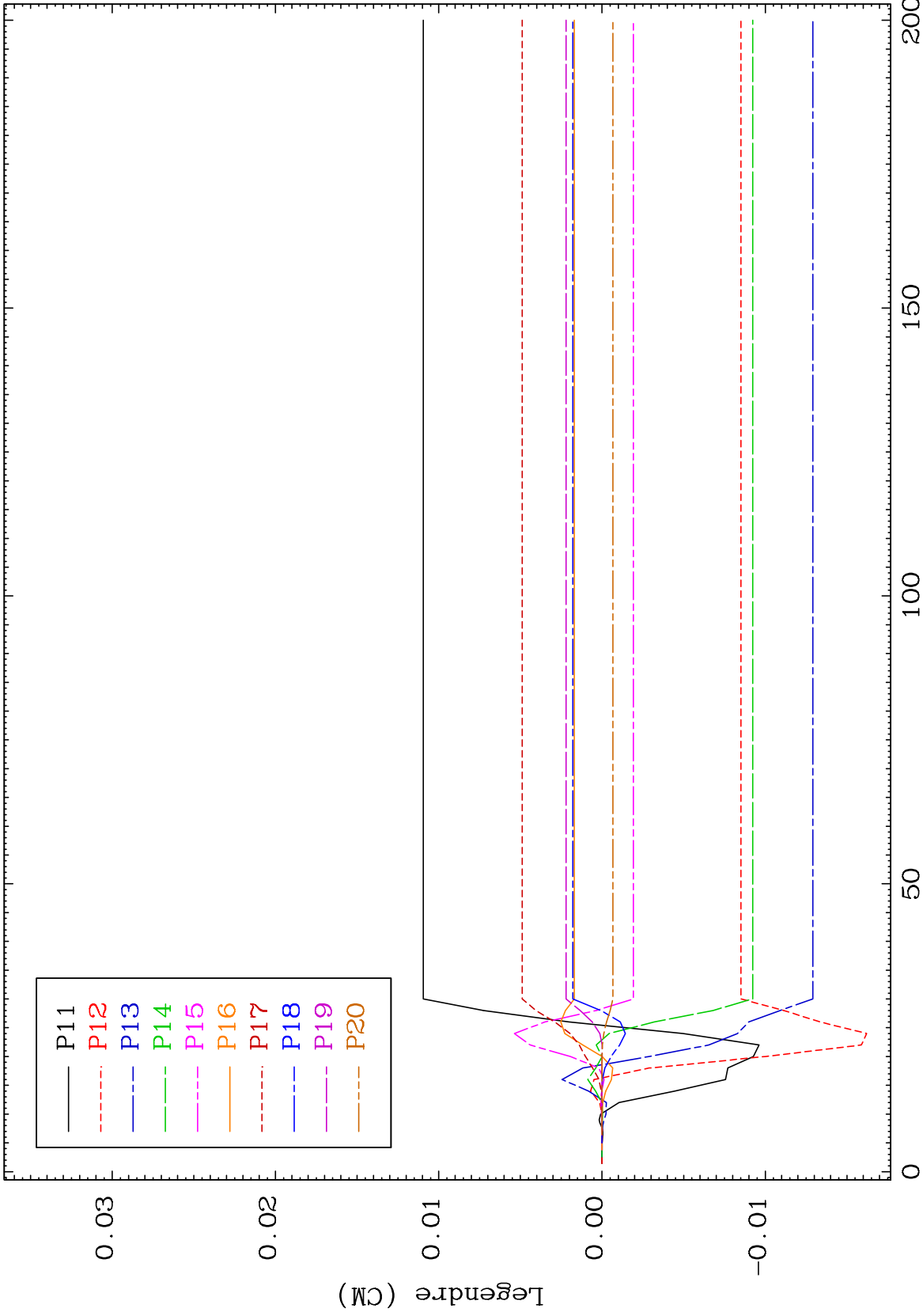
MT= 57 (n,n') Level
Legendre Coefficients

77-Ir-196



42

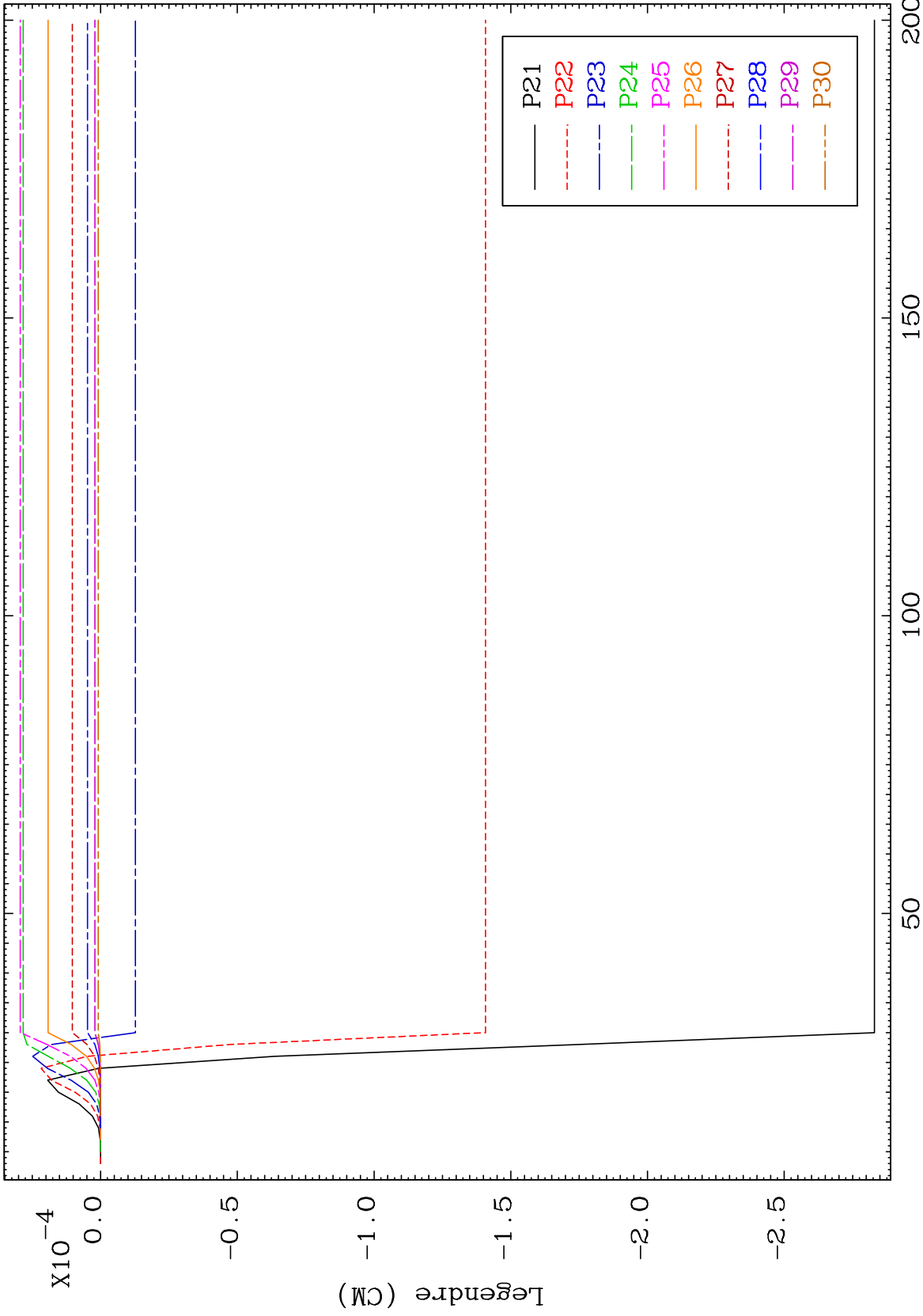
77-Ir-196



MAT 7740

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

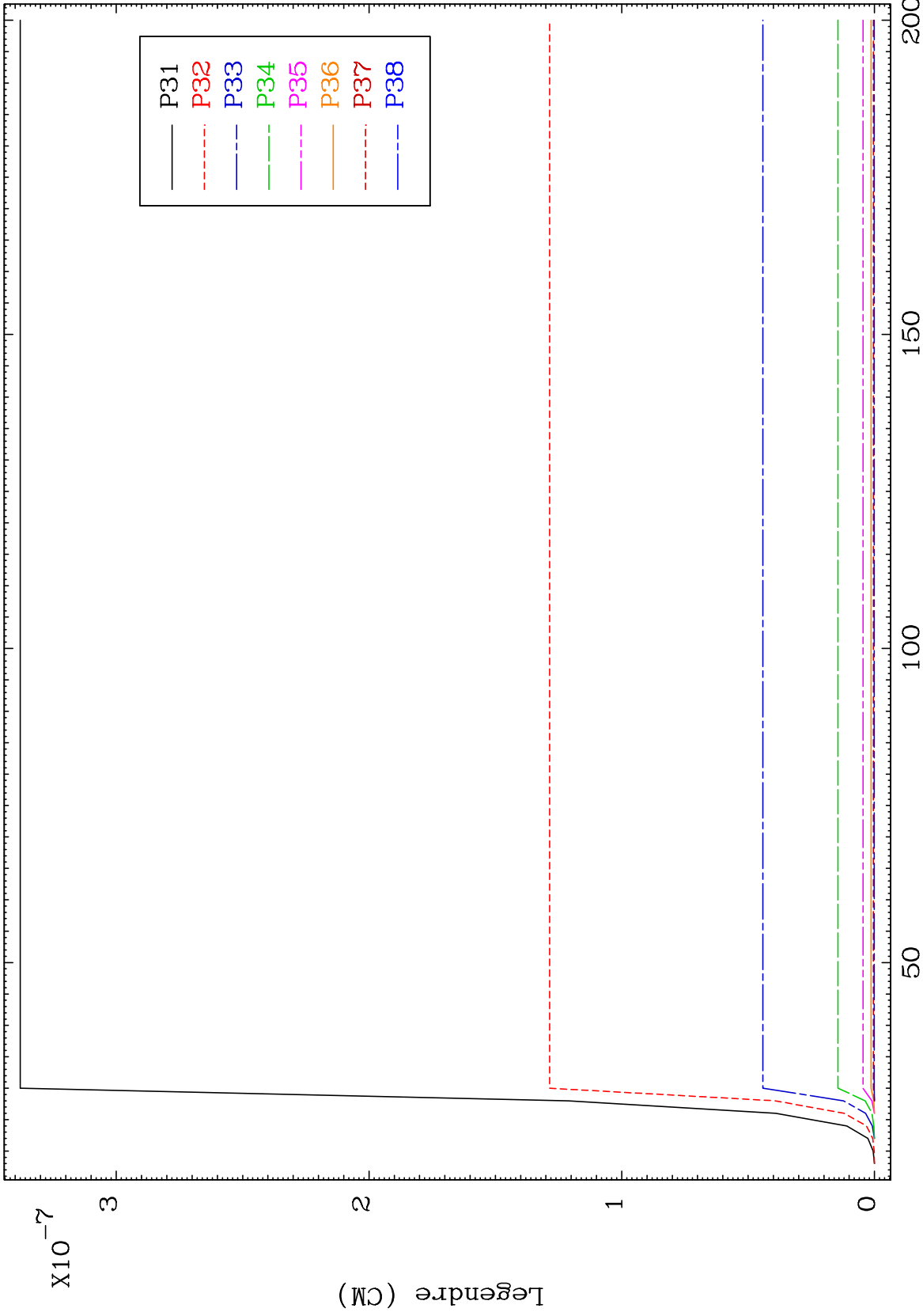
77-Ir-196



MAT 7740

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

77-Ir-196



45

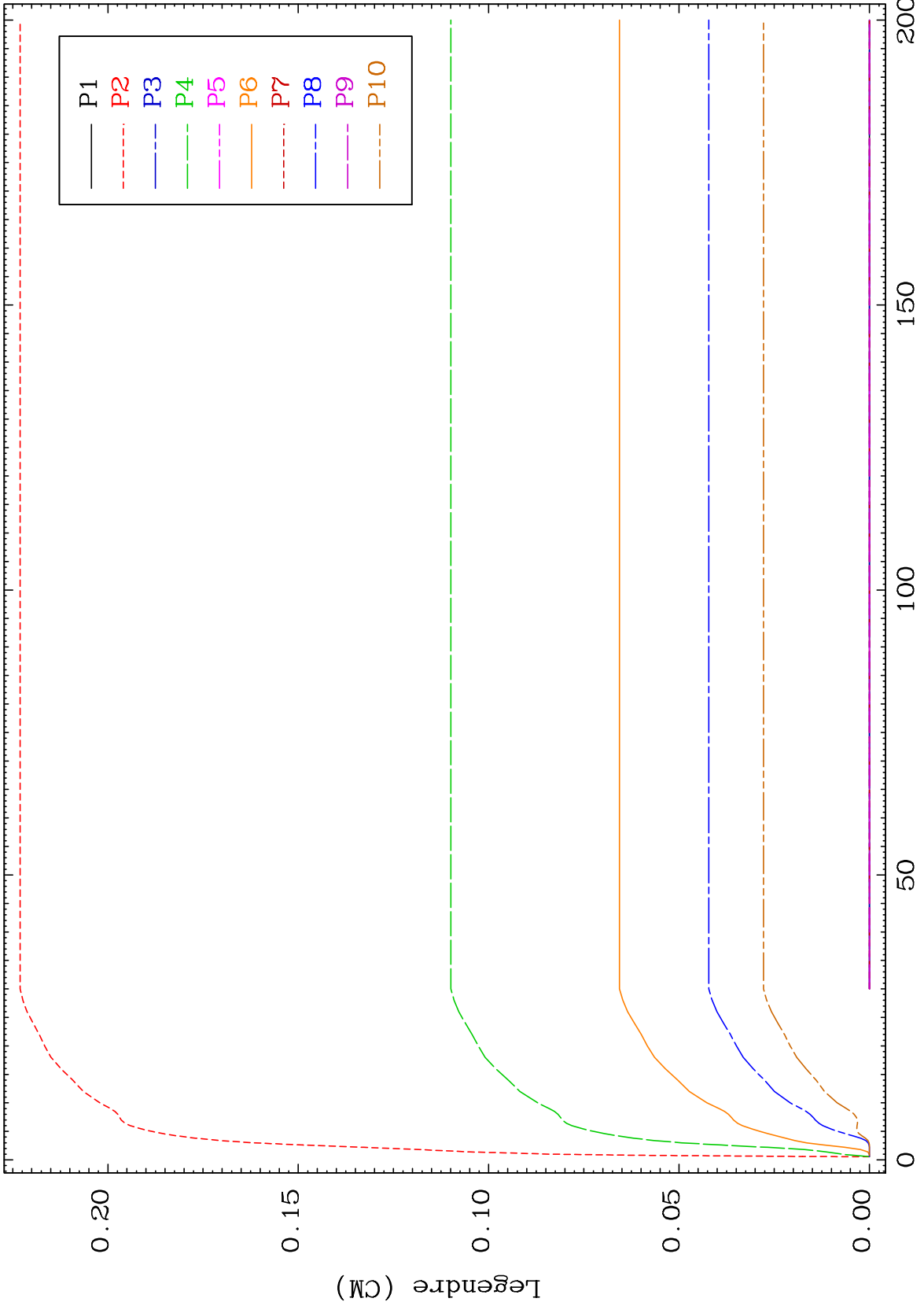
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196



46

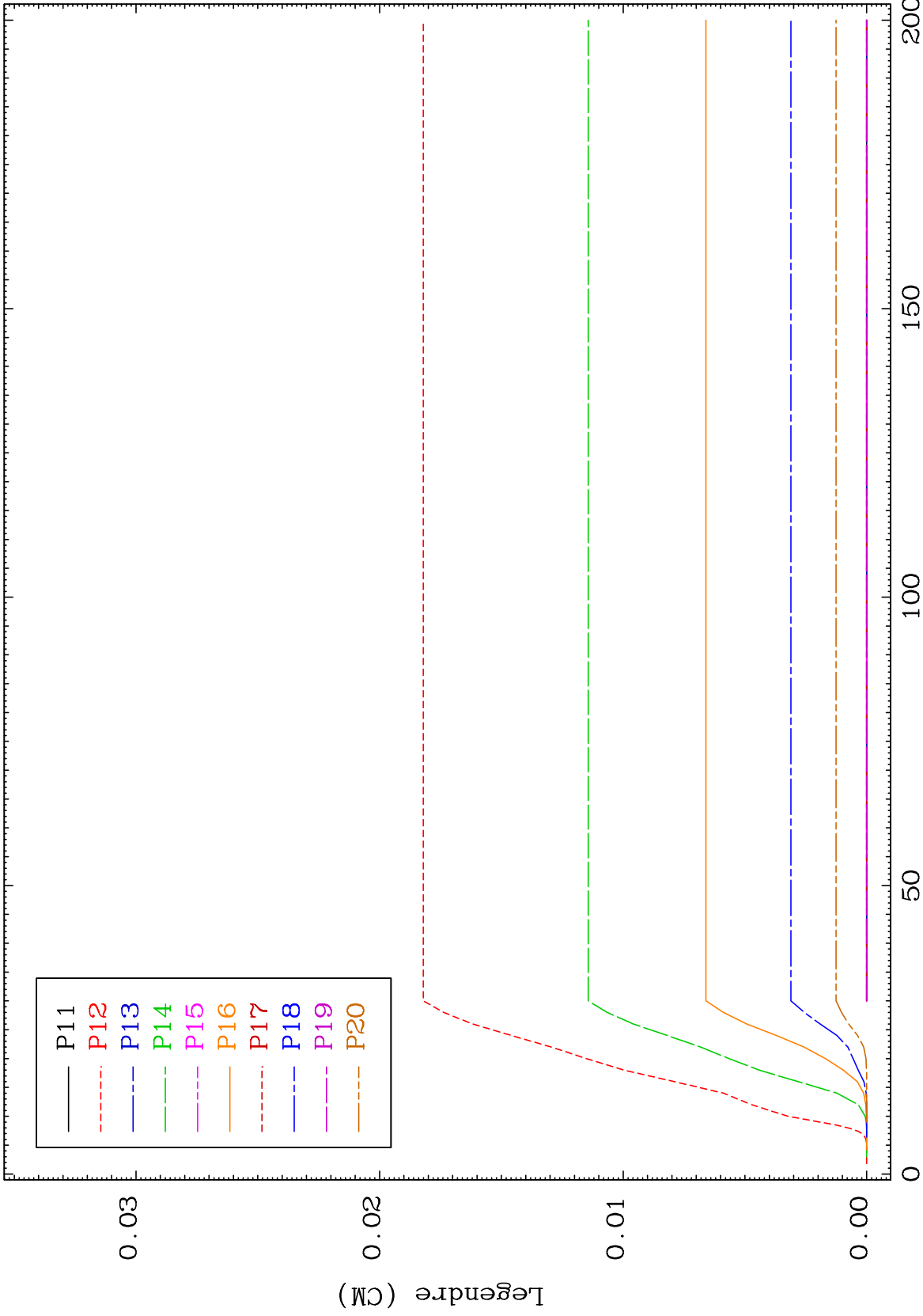
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196

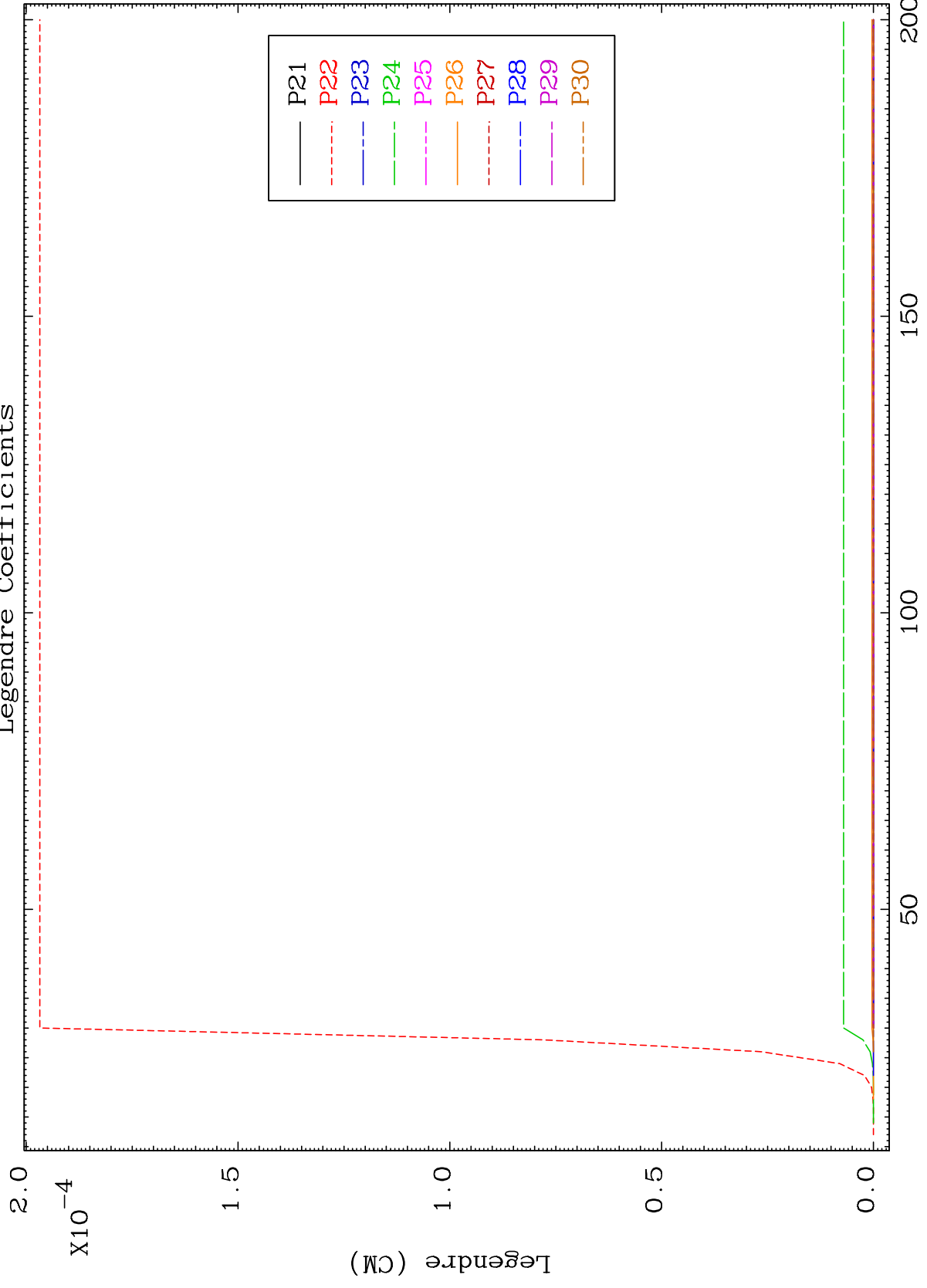


47

Incident Energy (MeV)

77-Ir-196

MAT 7740 MT= 58 (n,n') Level Legendre Coefficients 77-Ir-196

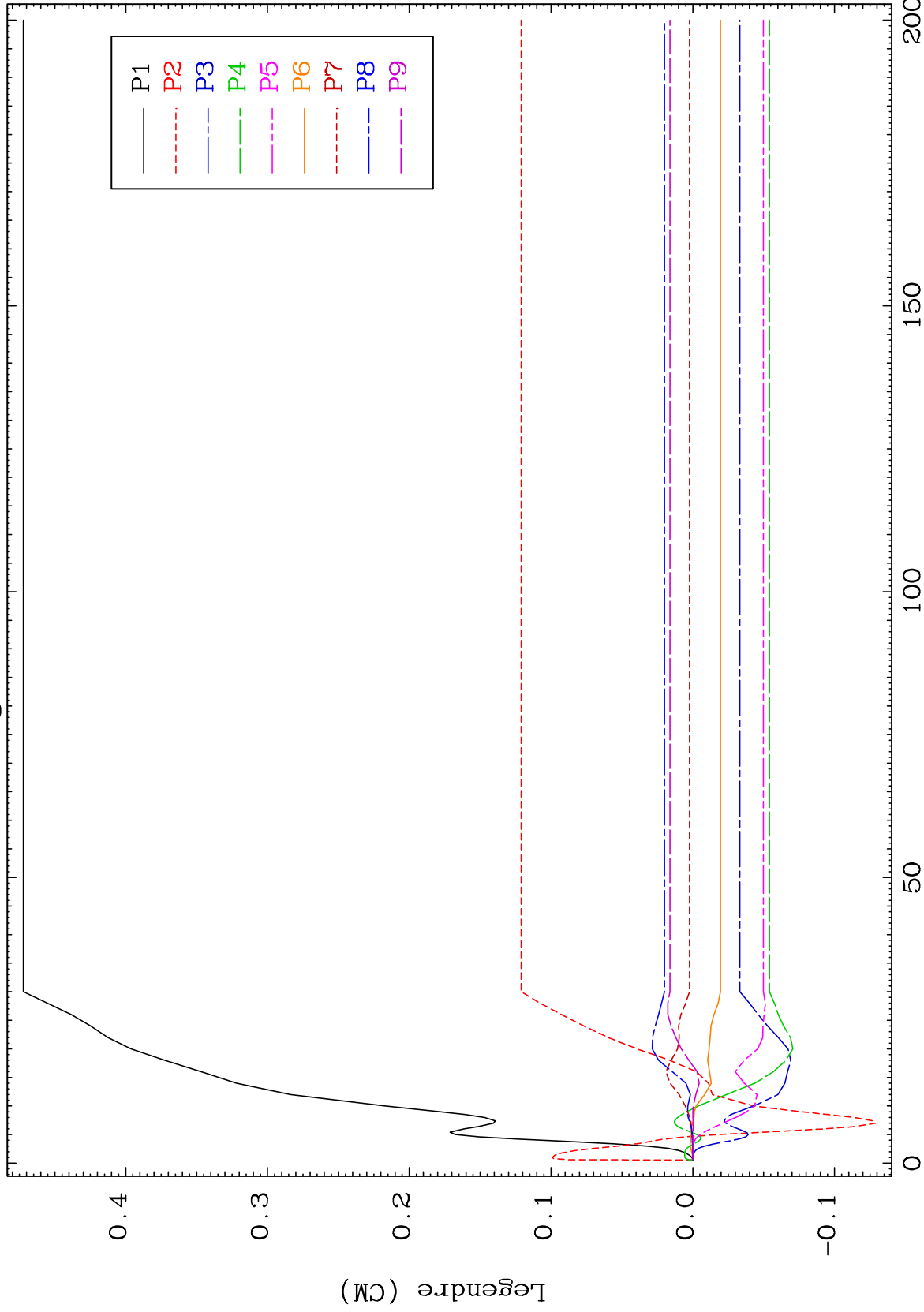


48 Incident Energy (MeV) 77-Ir-196

MAT 7740

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

77-Ir-196



49

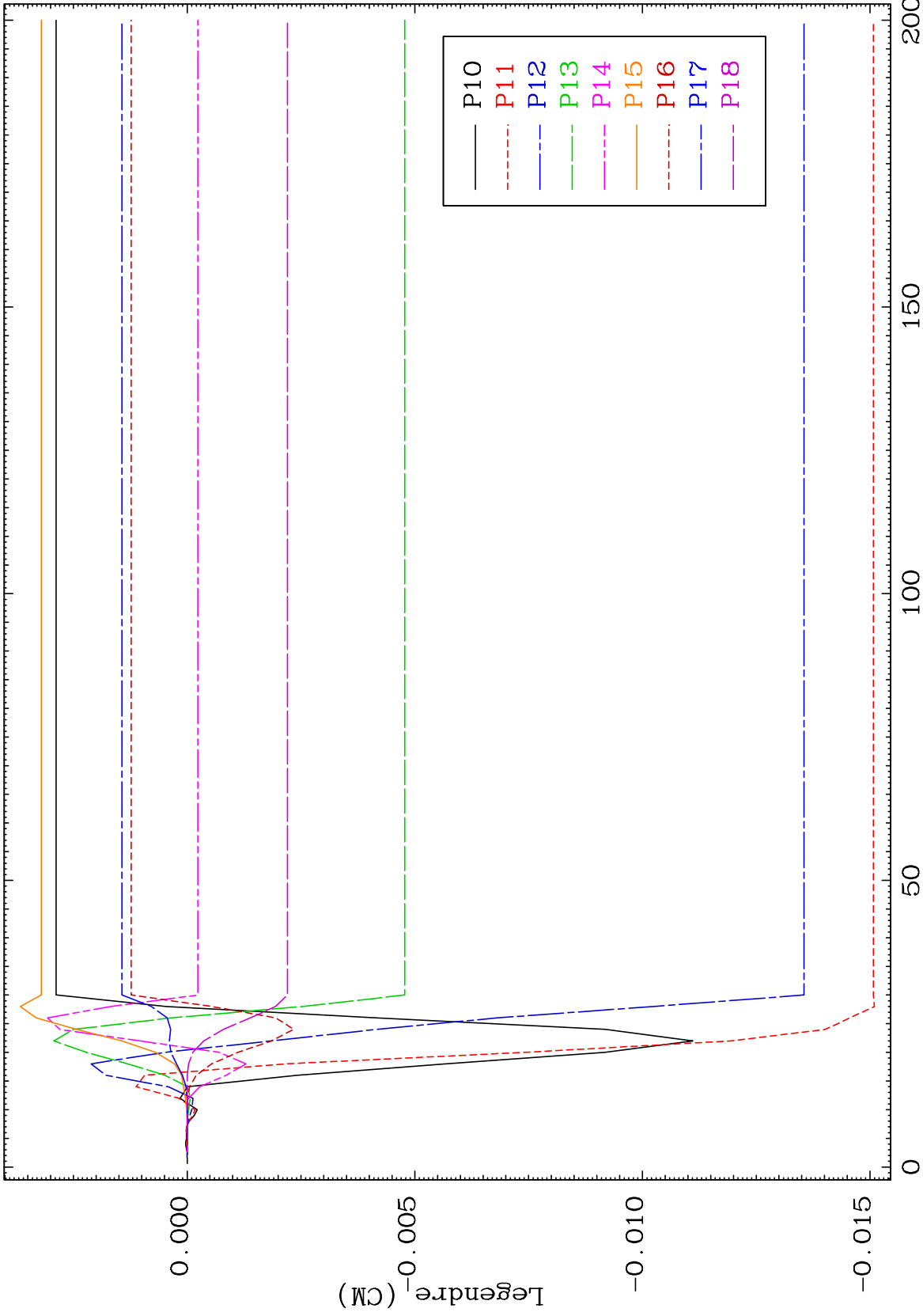
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196



50

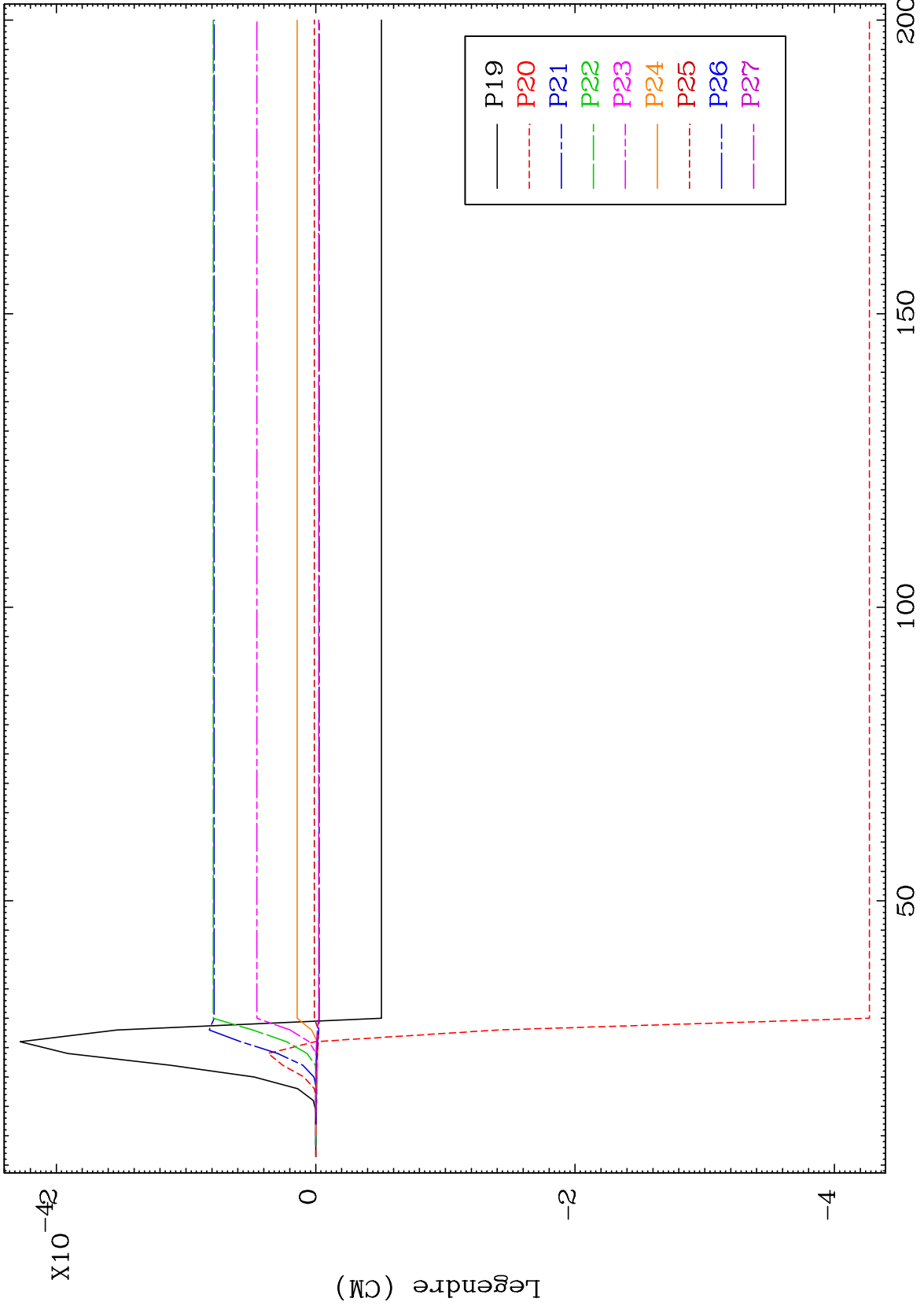
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

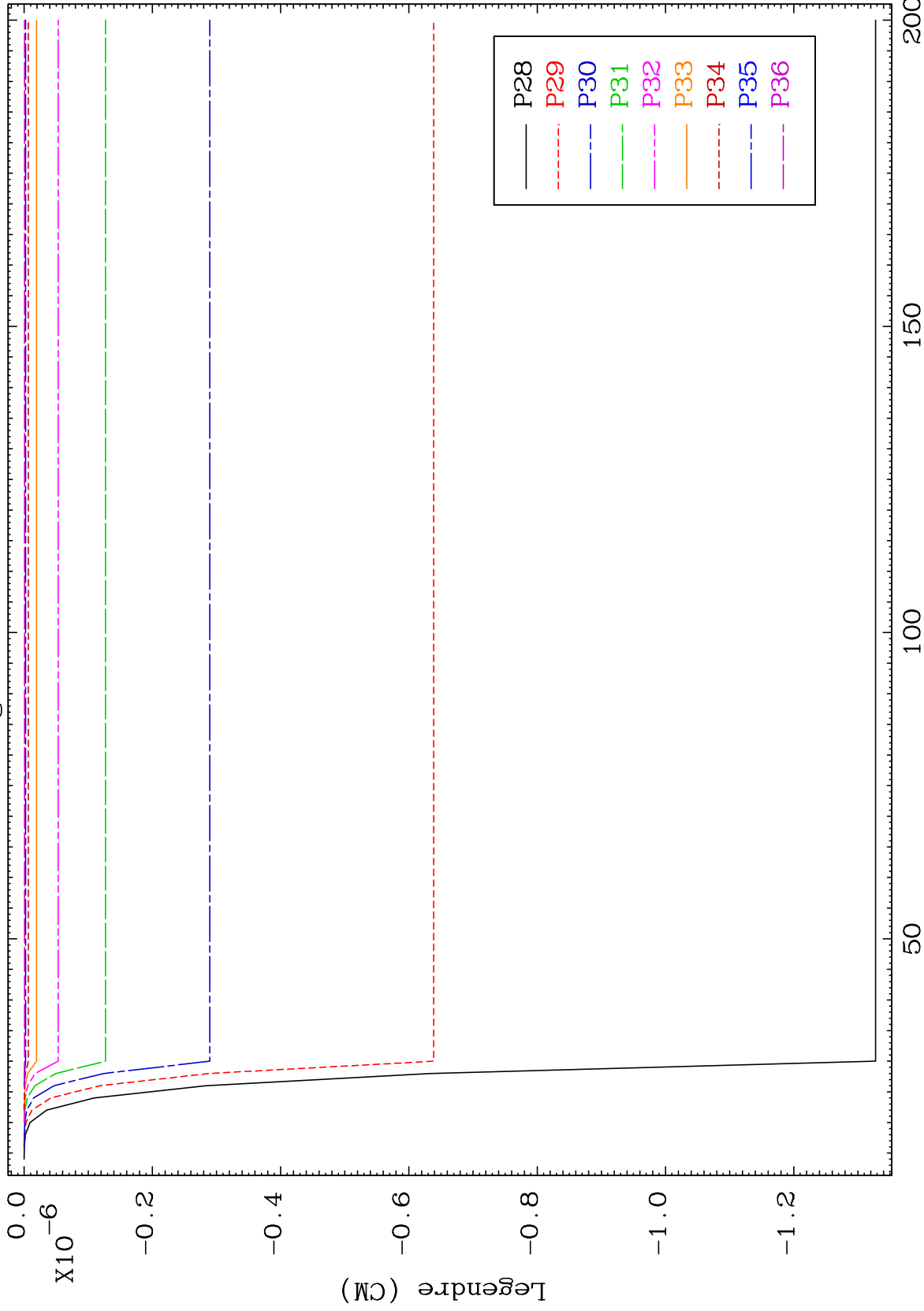
77-Ir-196



51

Incident Energy (MeV)

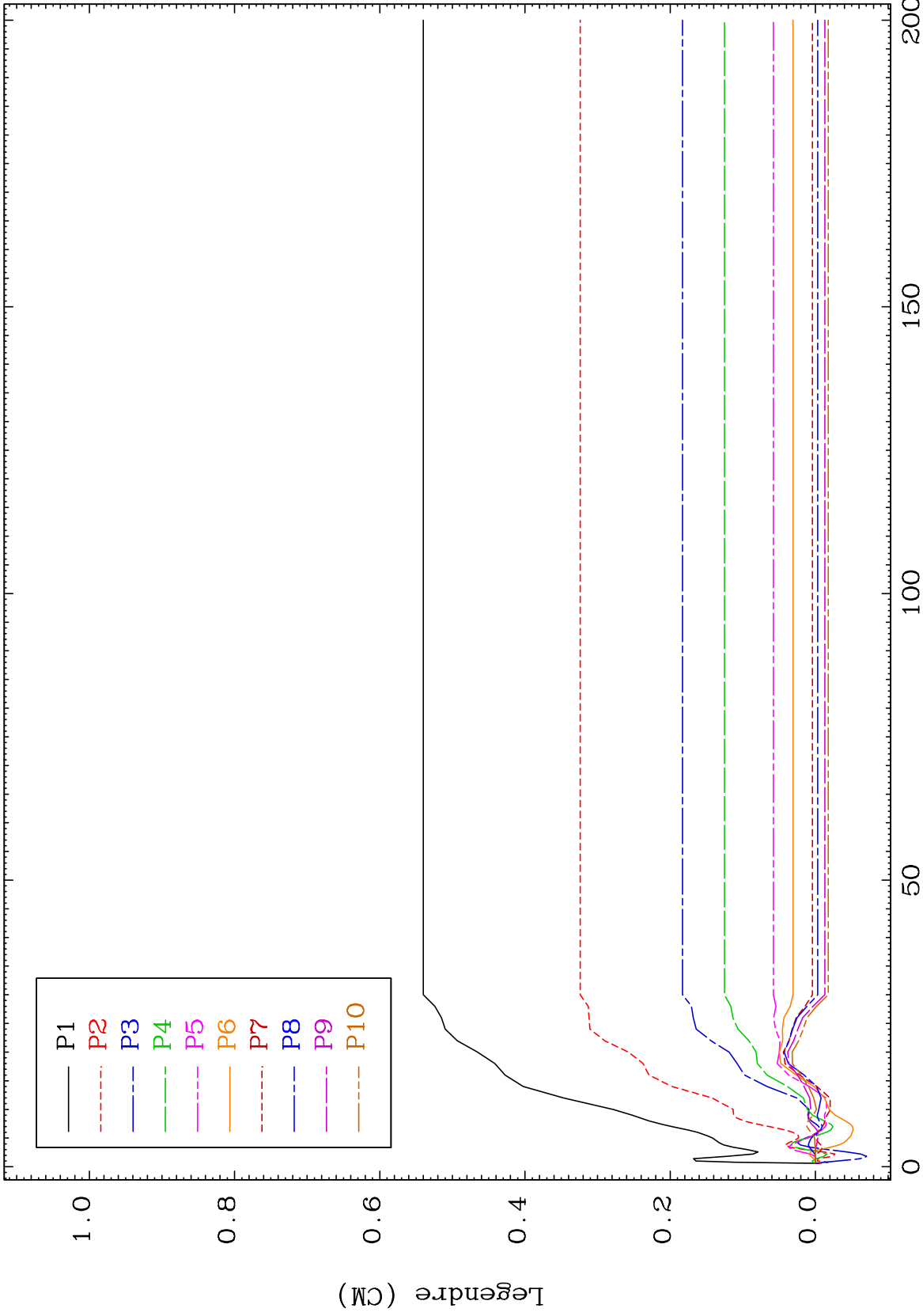
77-Ir-196



MAT 7740

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

77-Ir-196



53

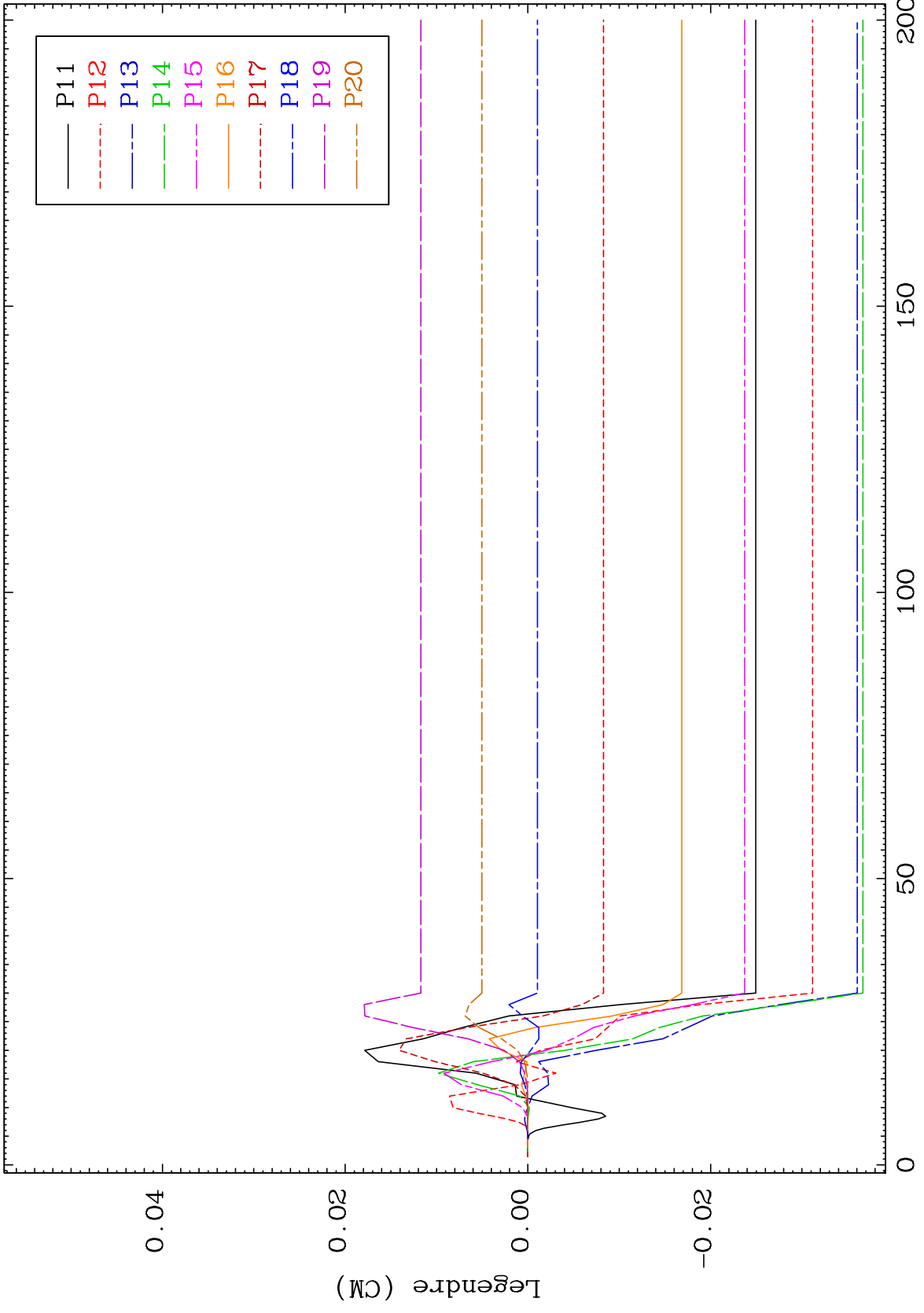
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

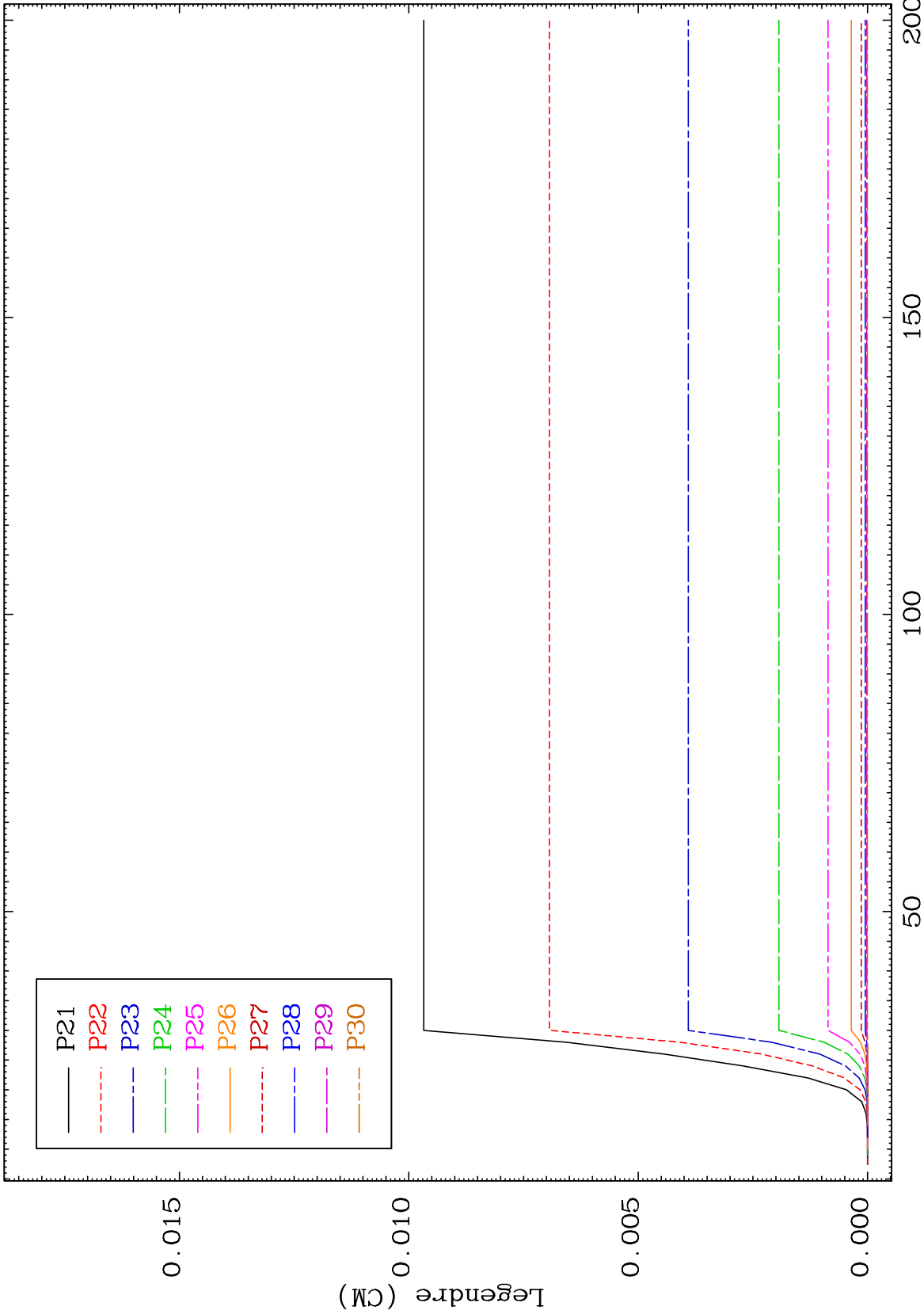
77-Ir-196



54

Incident Energy (MeV)

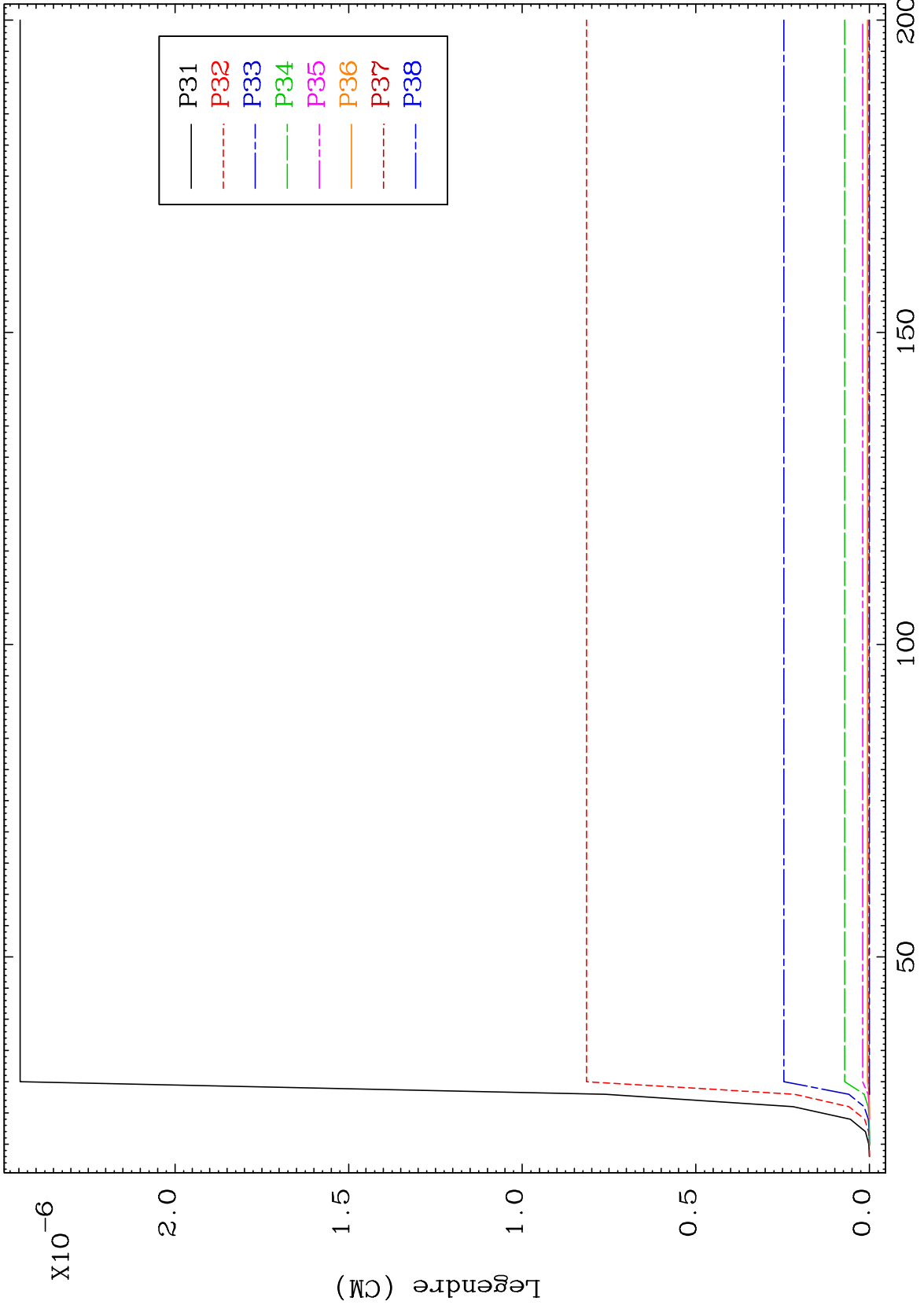
77-Ir-196



MAT 7740

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

77-Ir-196



56

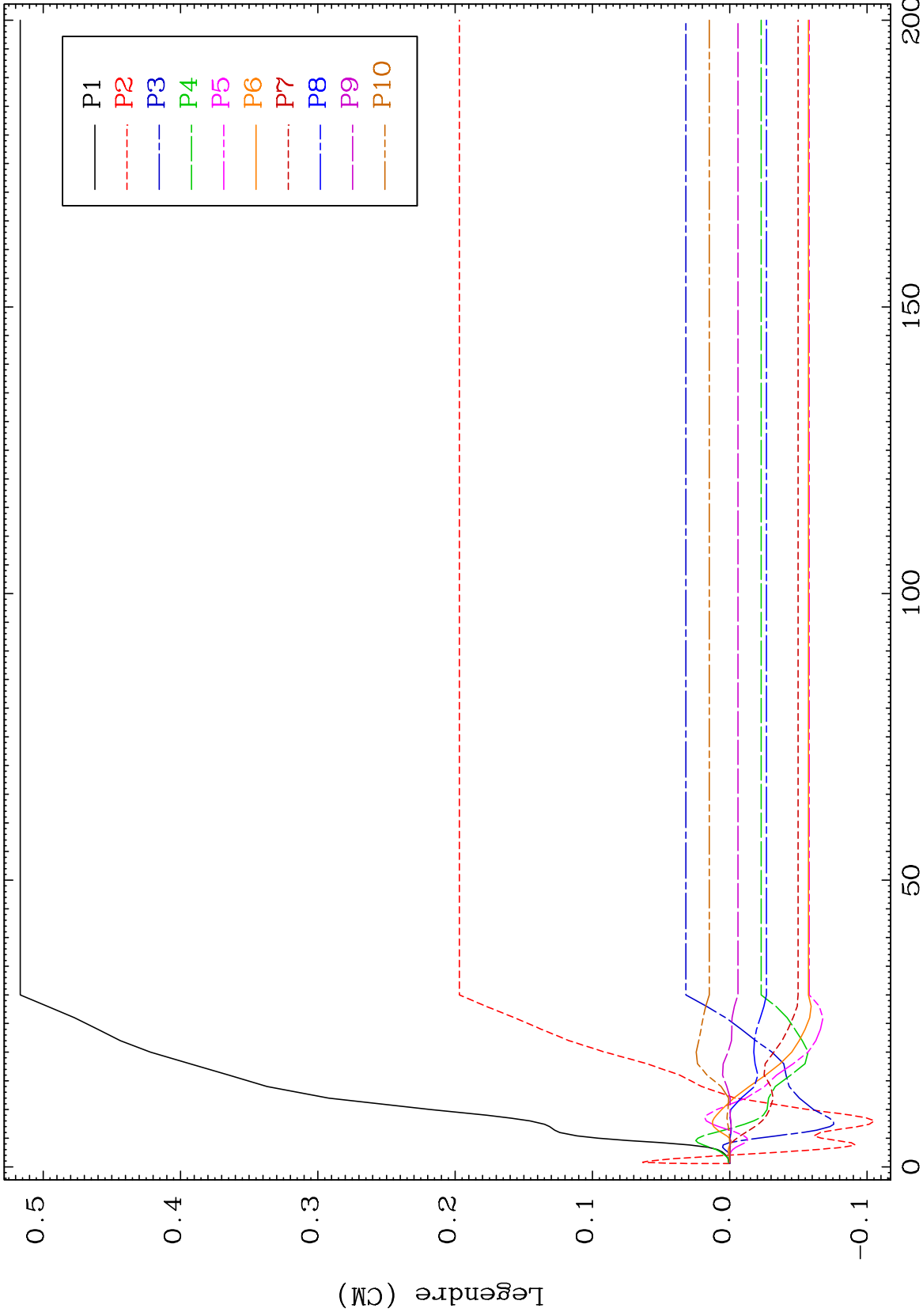
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196



57

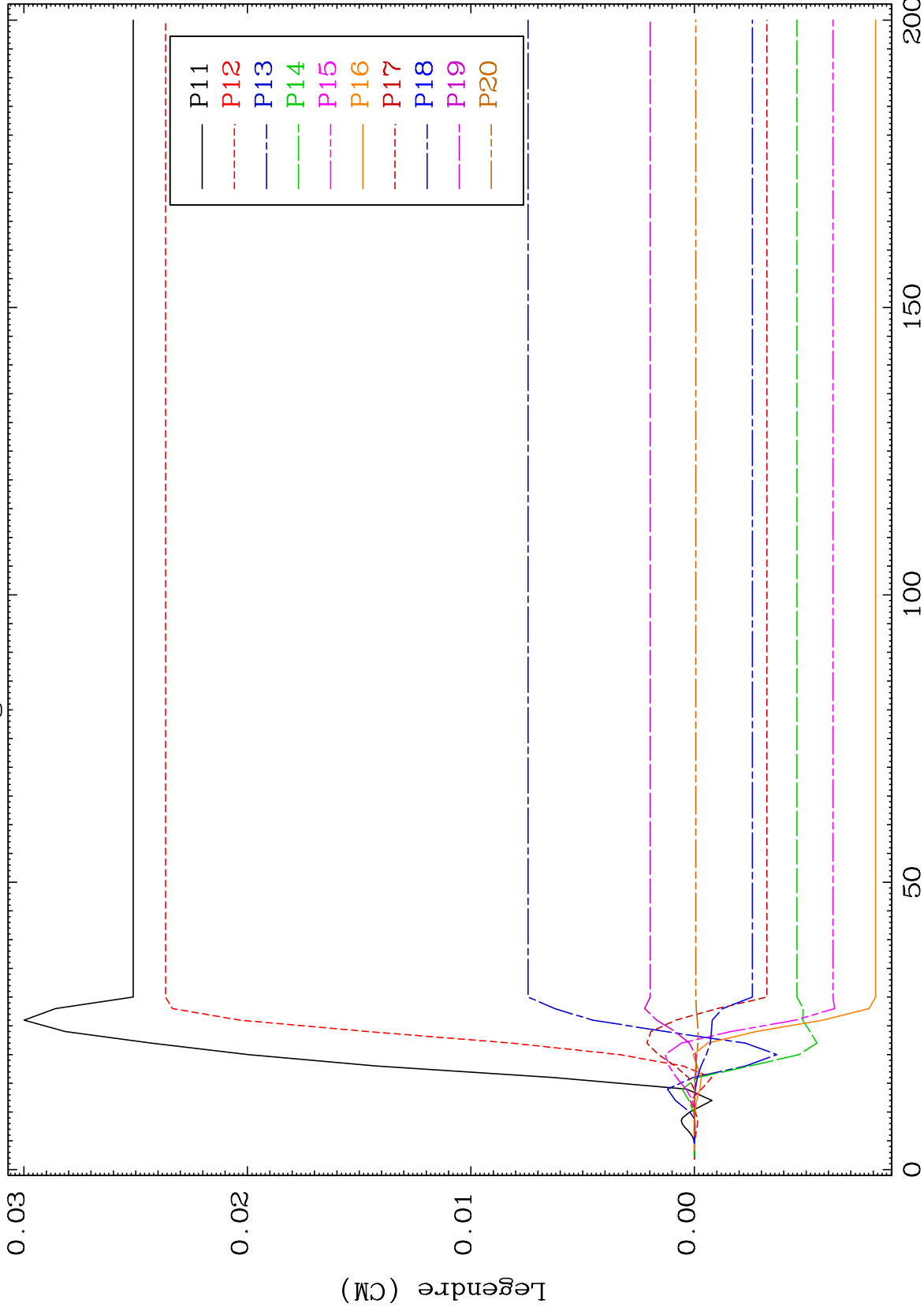
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196



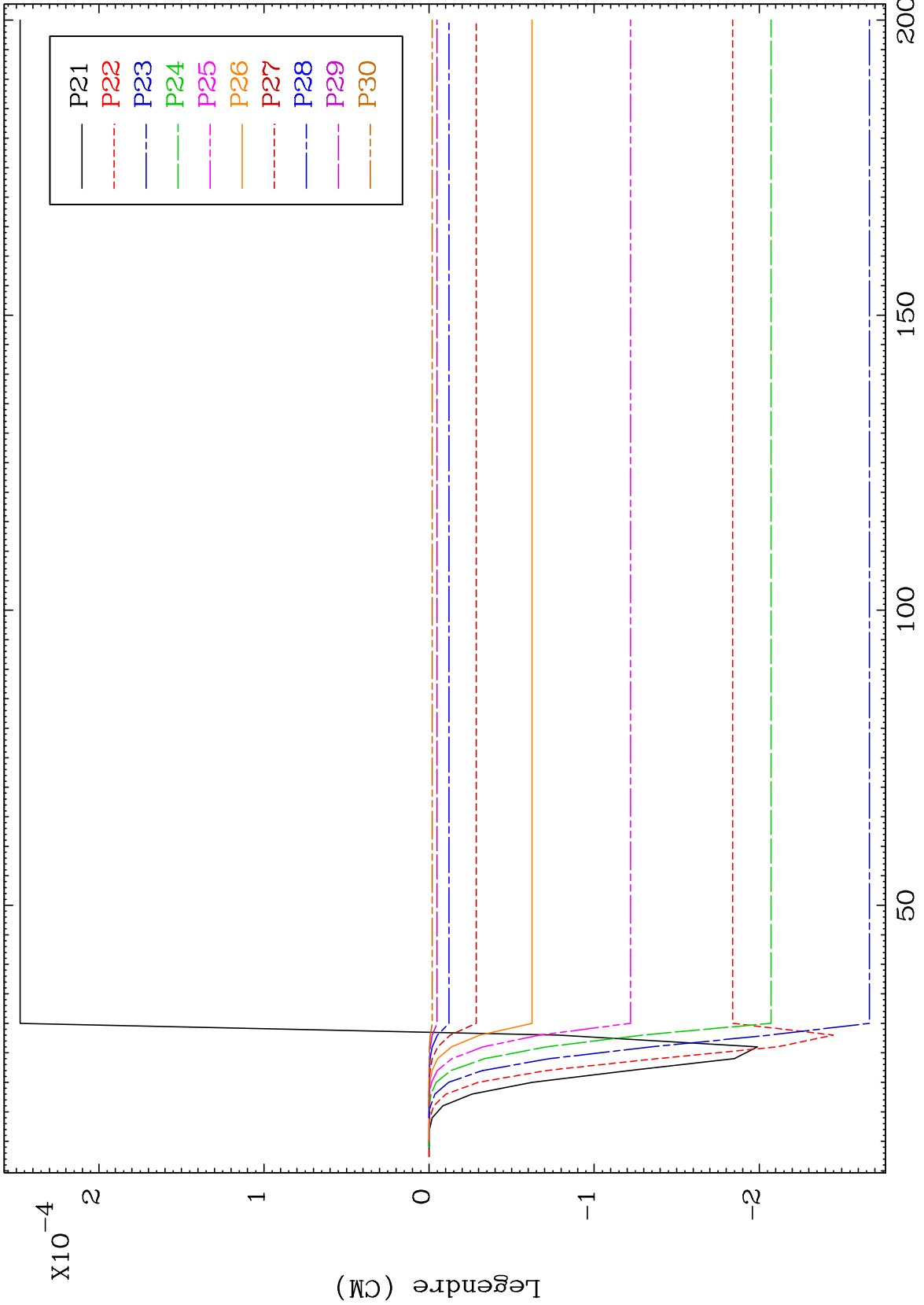
58

77-Ir-196

MAT 7740

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

77-Ir-196



59

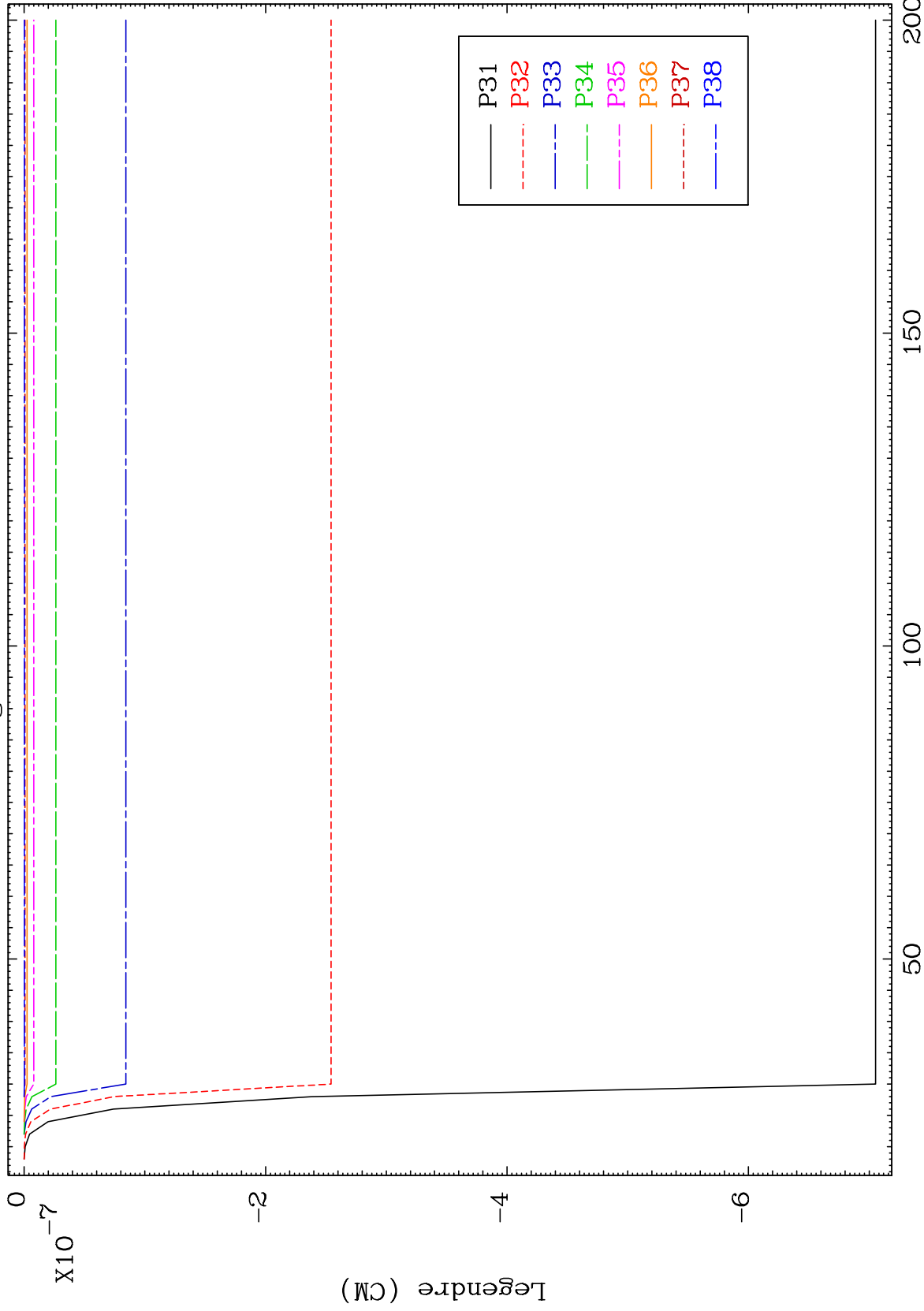
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196



77-Ir-196

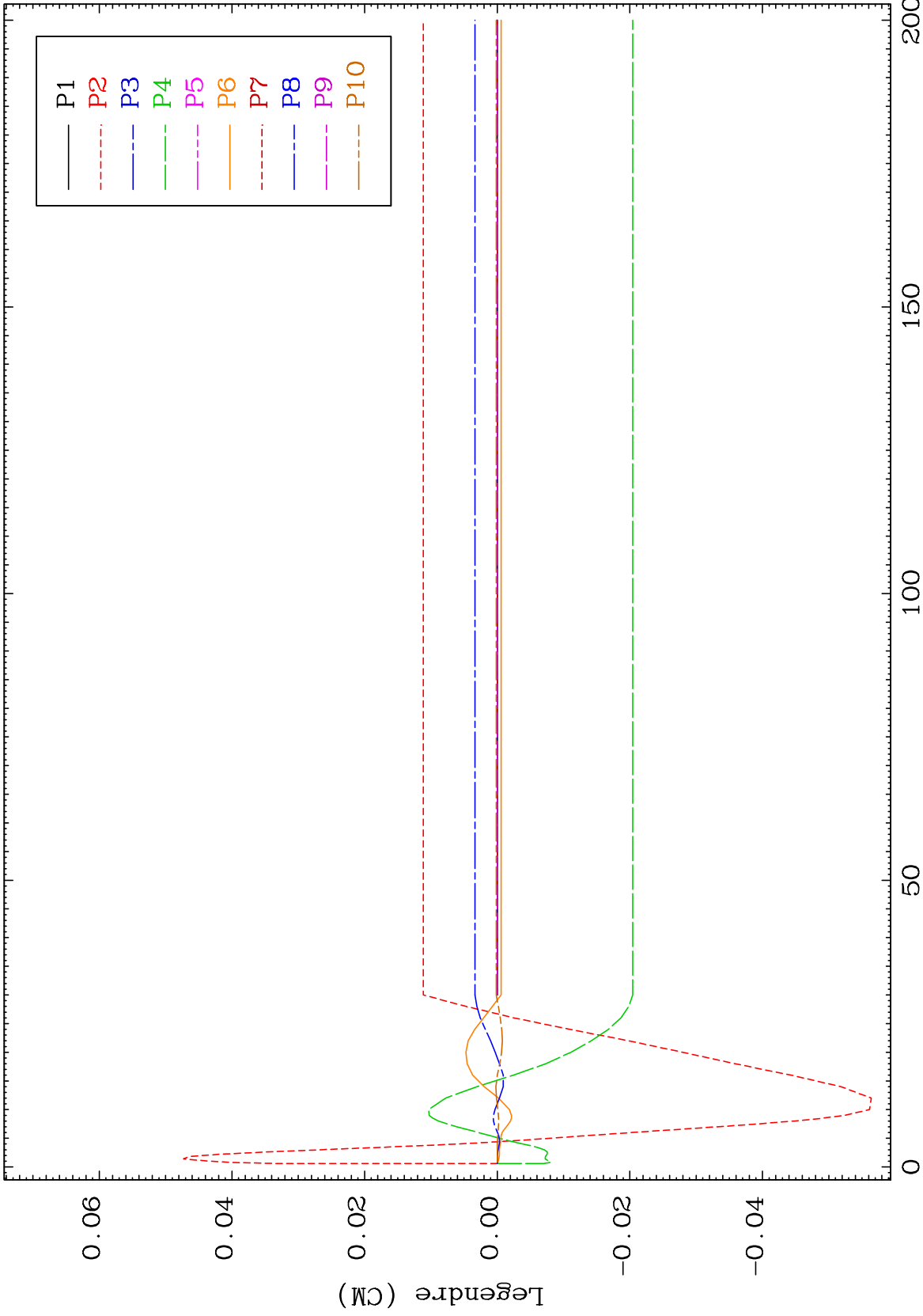
Incident Energy (MeV)

60

MAT 7740

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

77-Ir-196



61

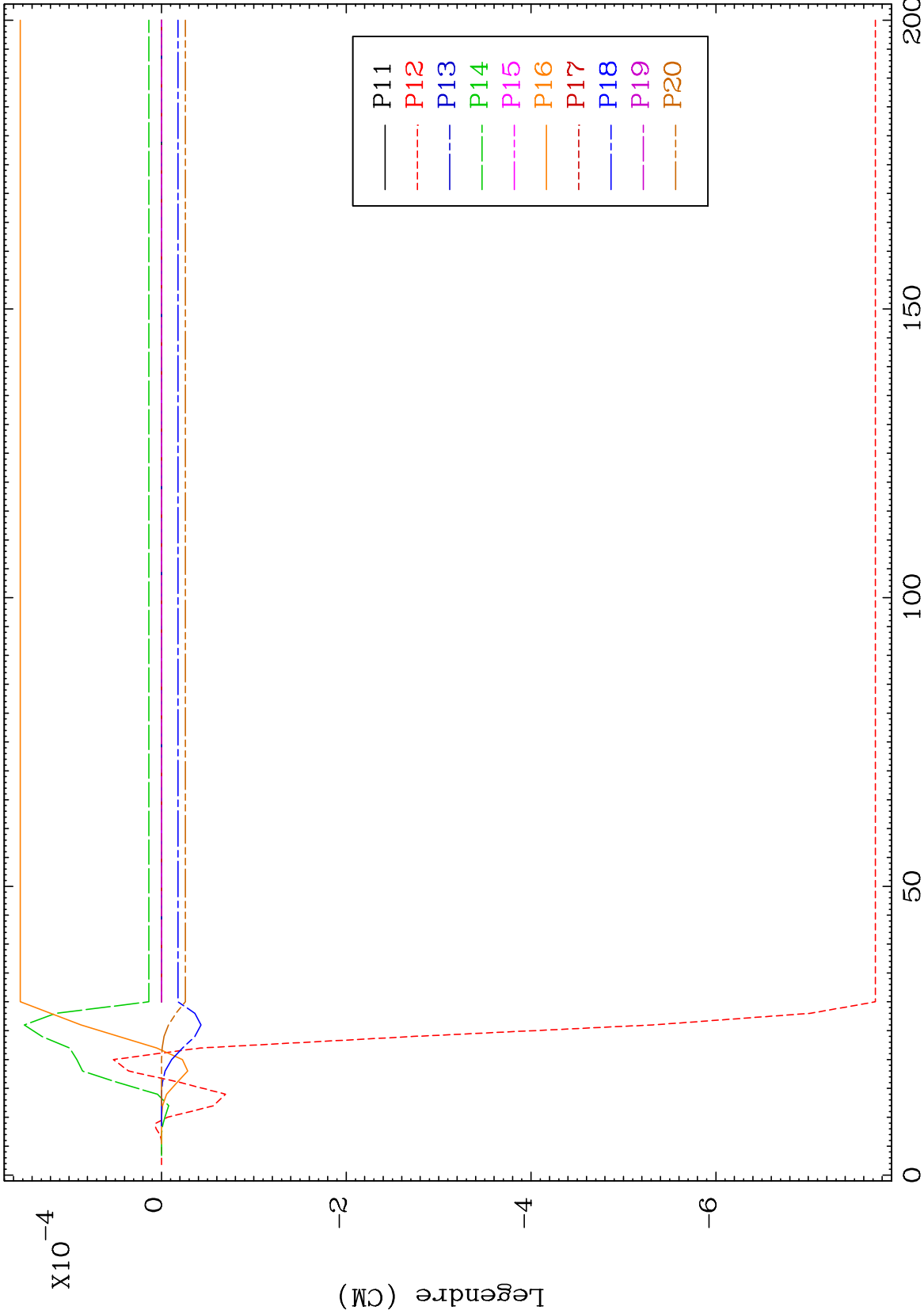
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196



62

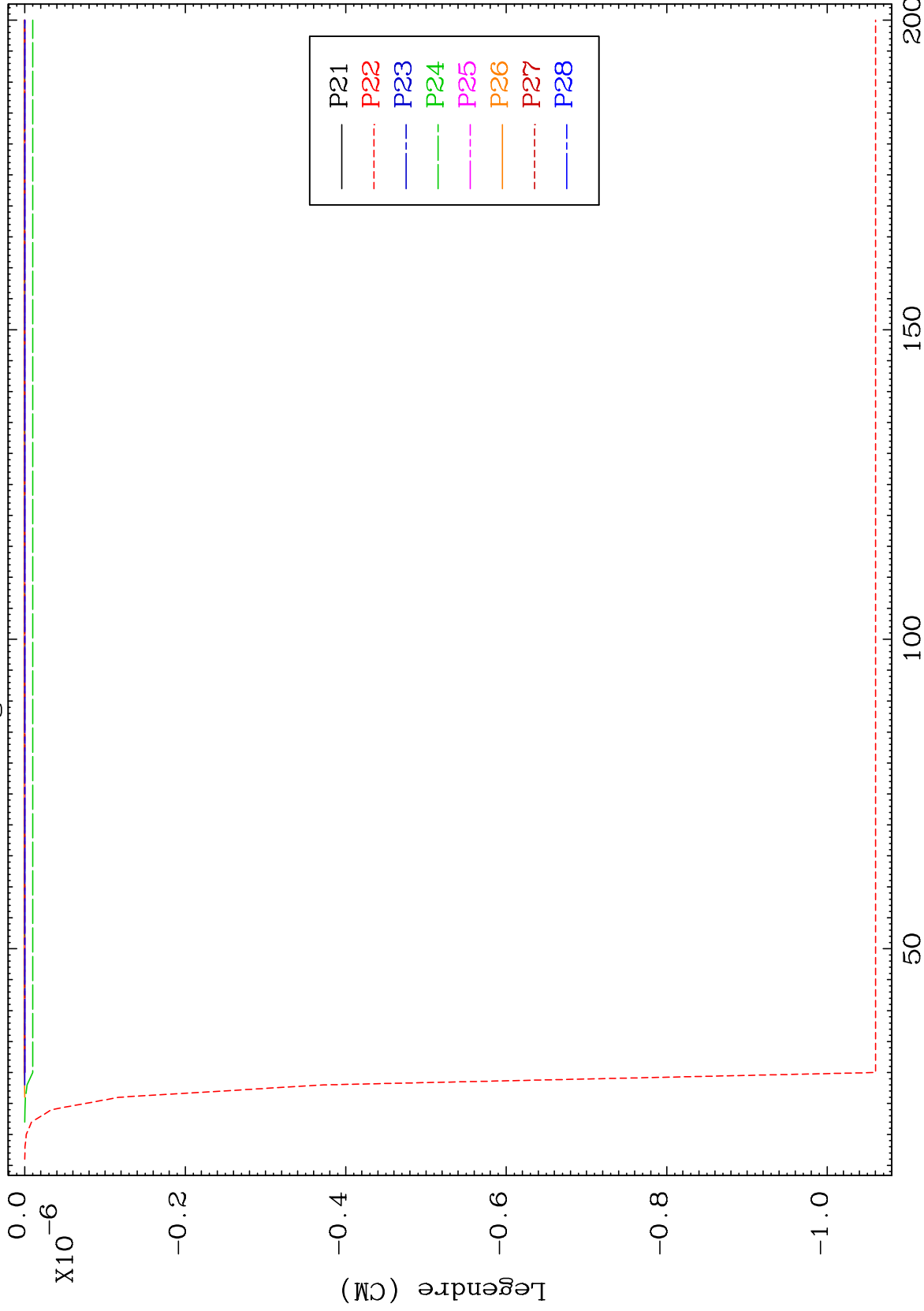
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196



63

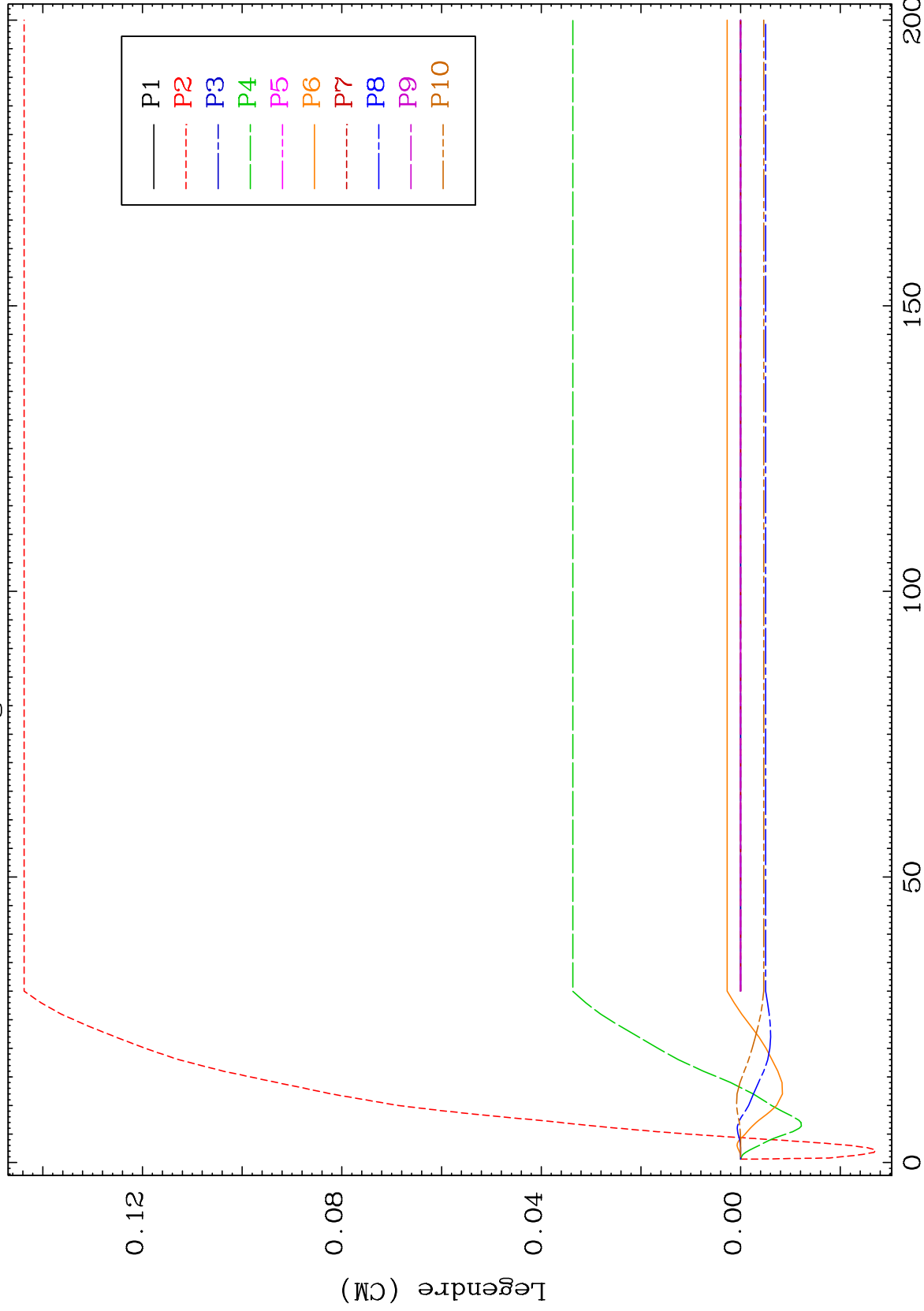
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196



64

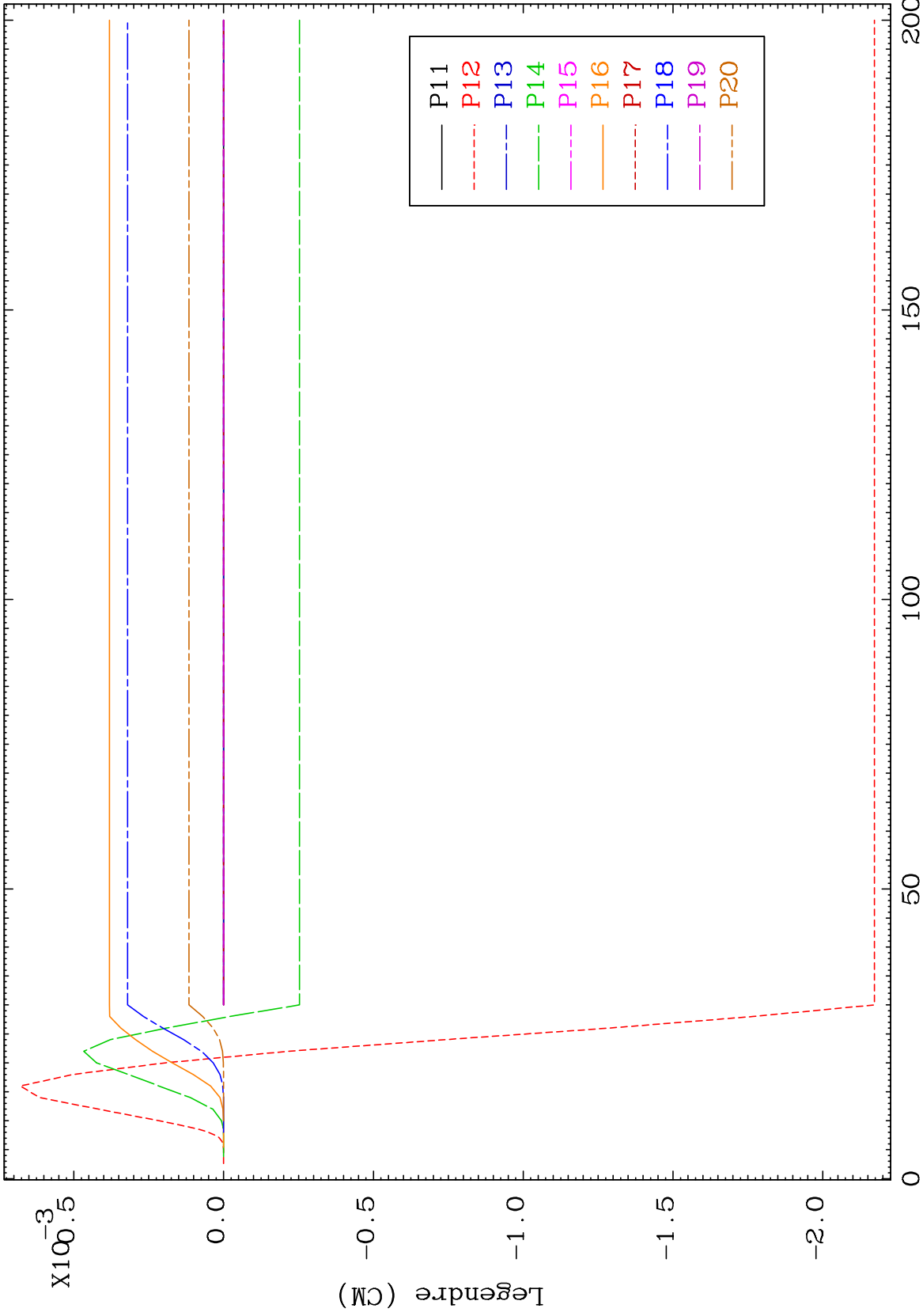
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196



65

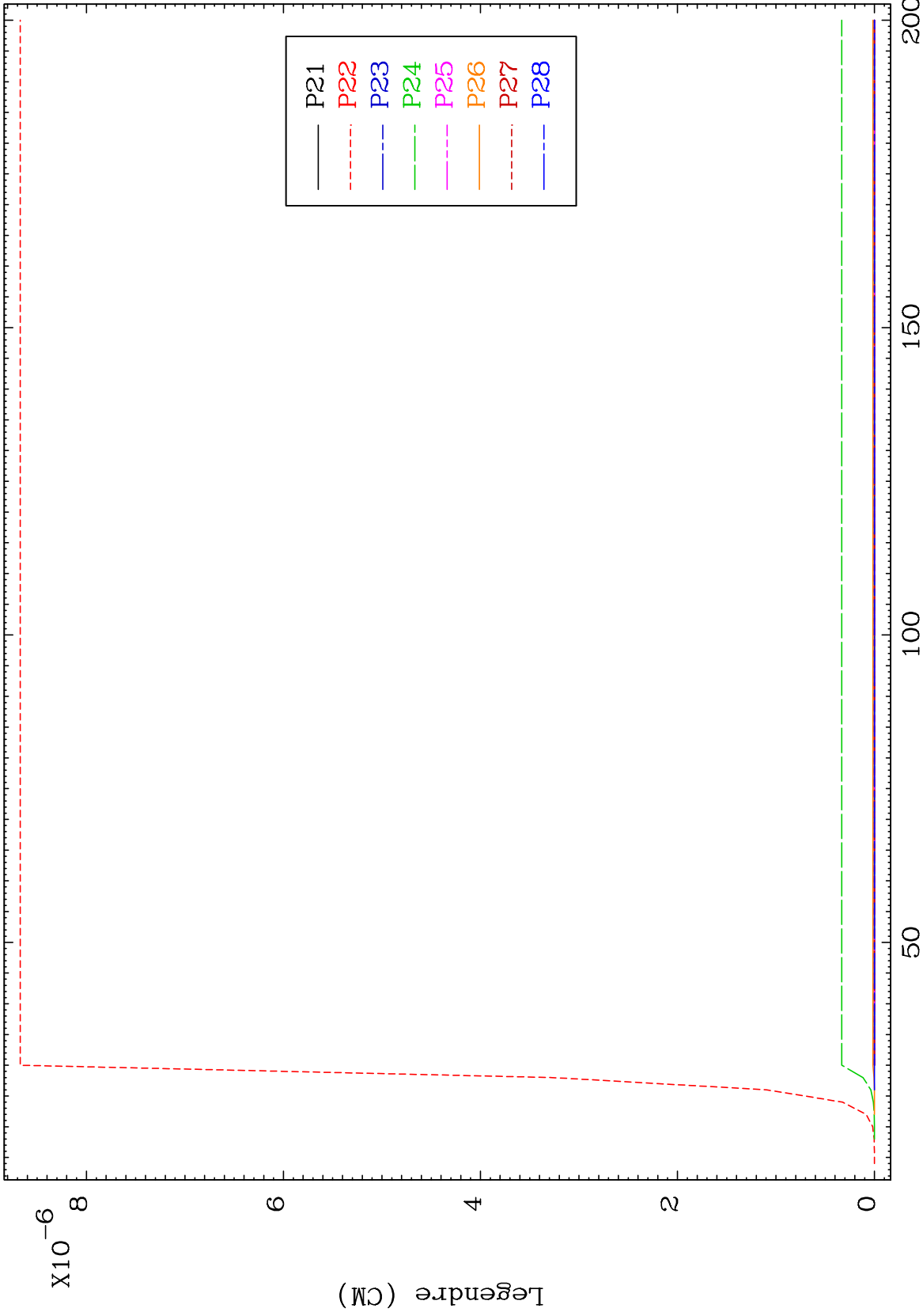
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196



66

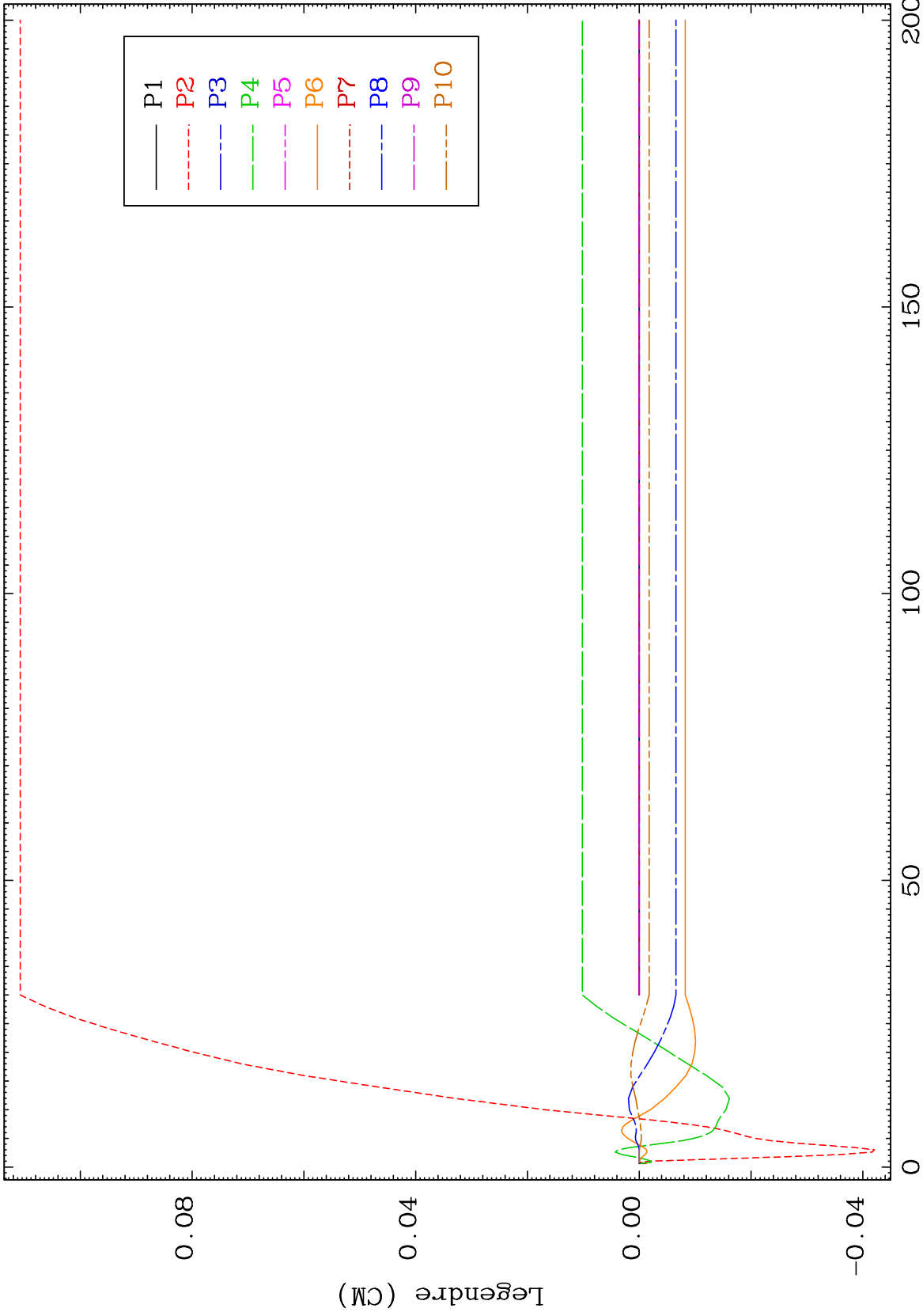
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196



67

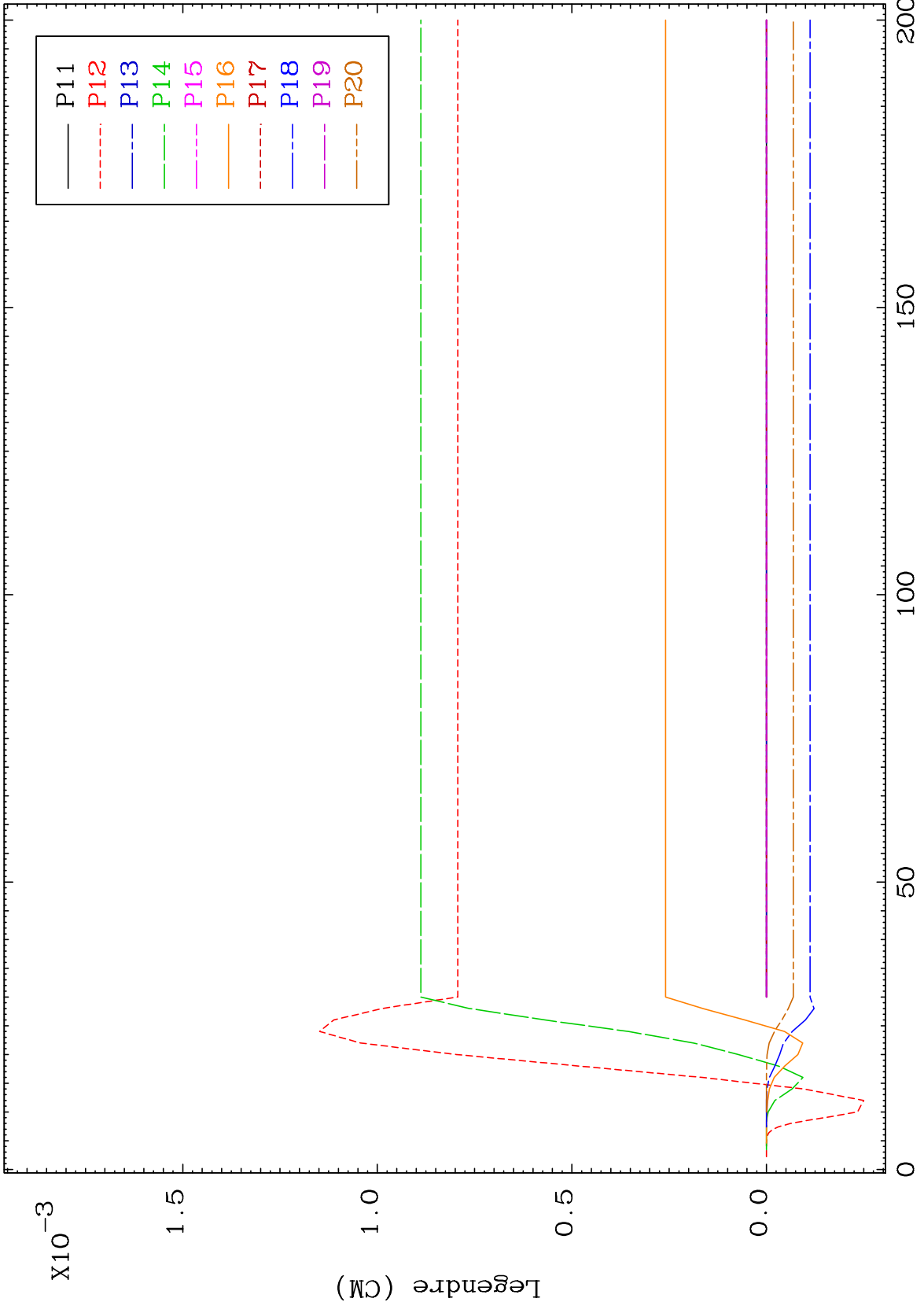
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196



68

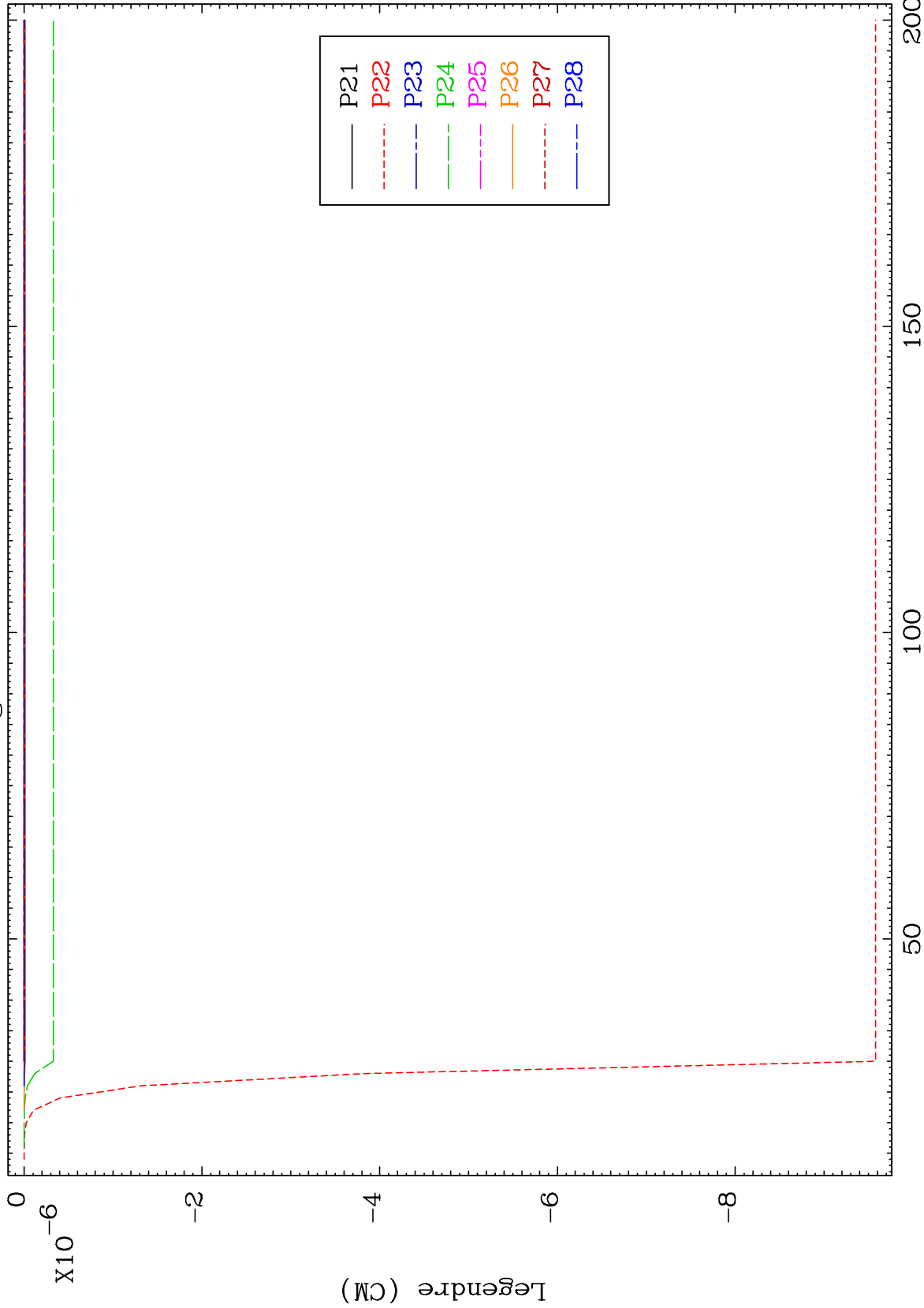
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

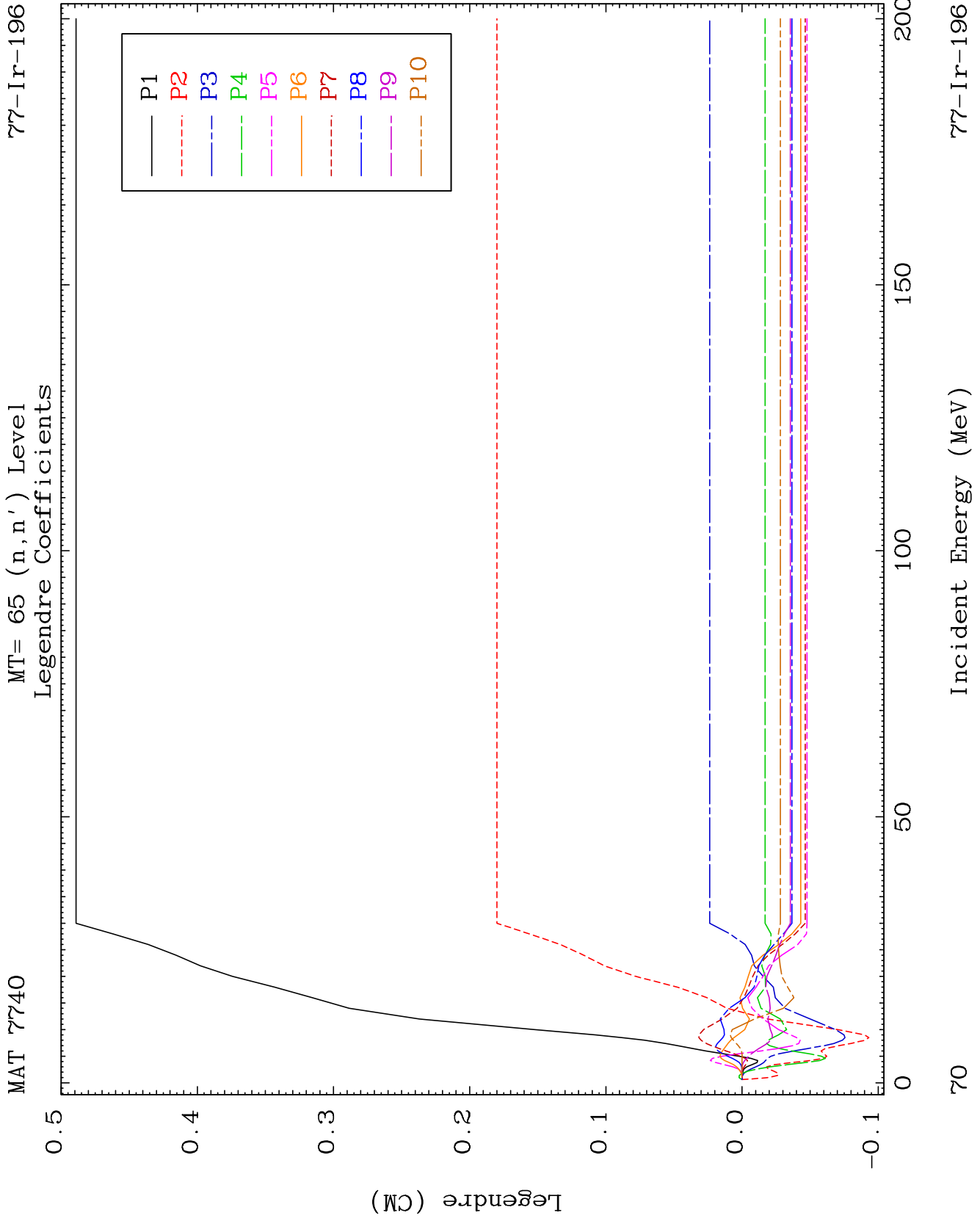
77-Ir-196



69

77-Ir-196

77-Ir-196



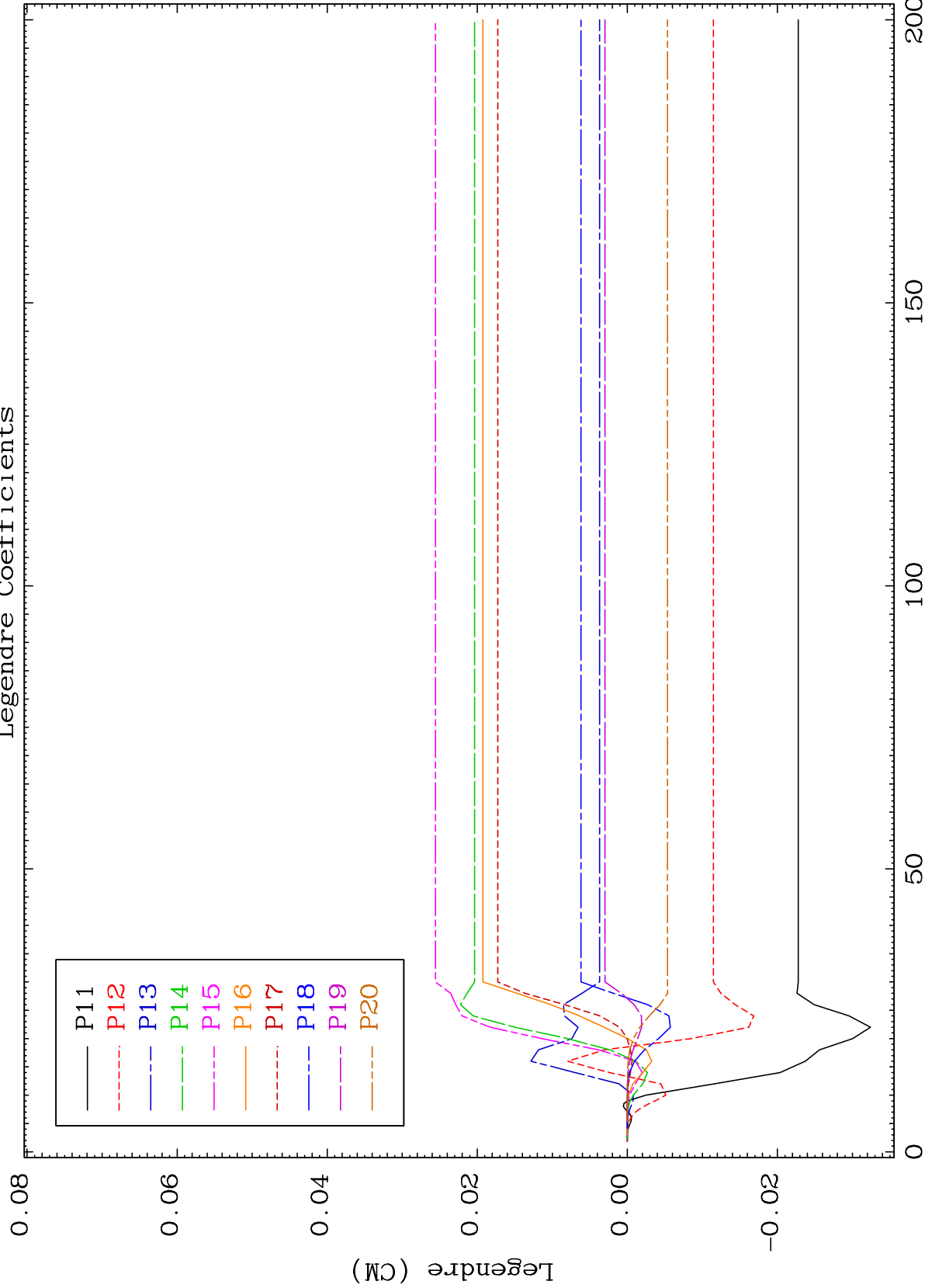
MAT 7740 MT= 65 (n,n') Level Legendre Coefficients

77-Ir-196

77-Ir-196

Incident Energy (MeV)

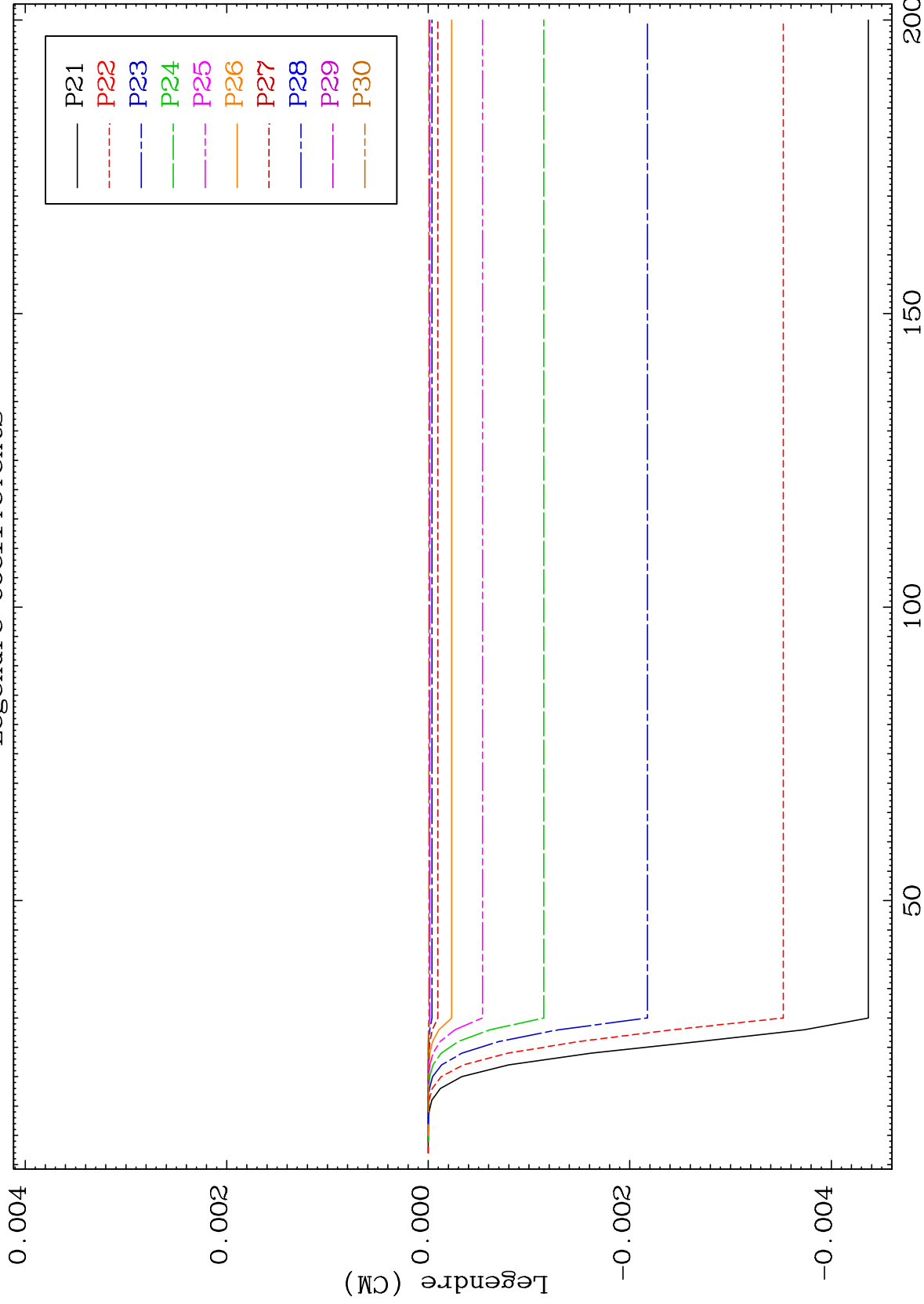
71



MAT 7740

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

77-Ir-196



72

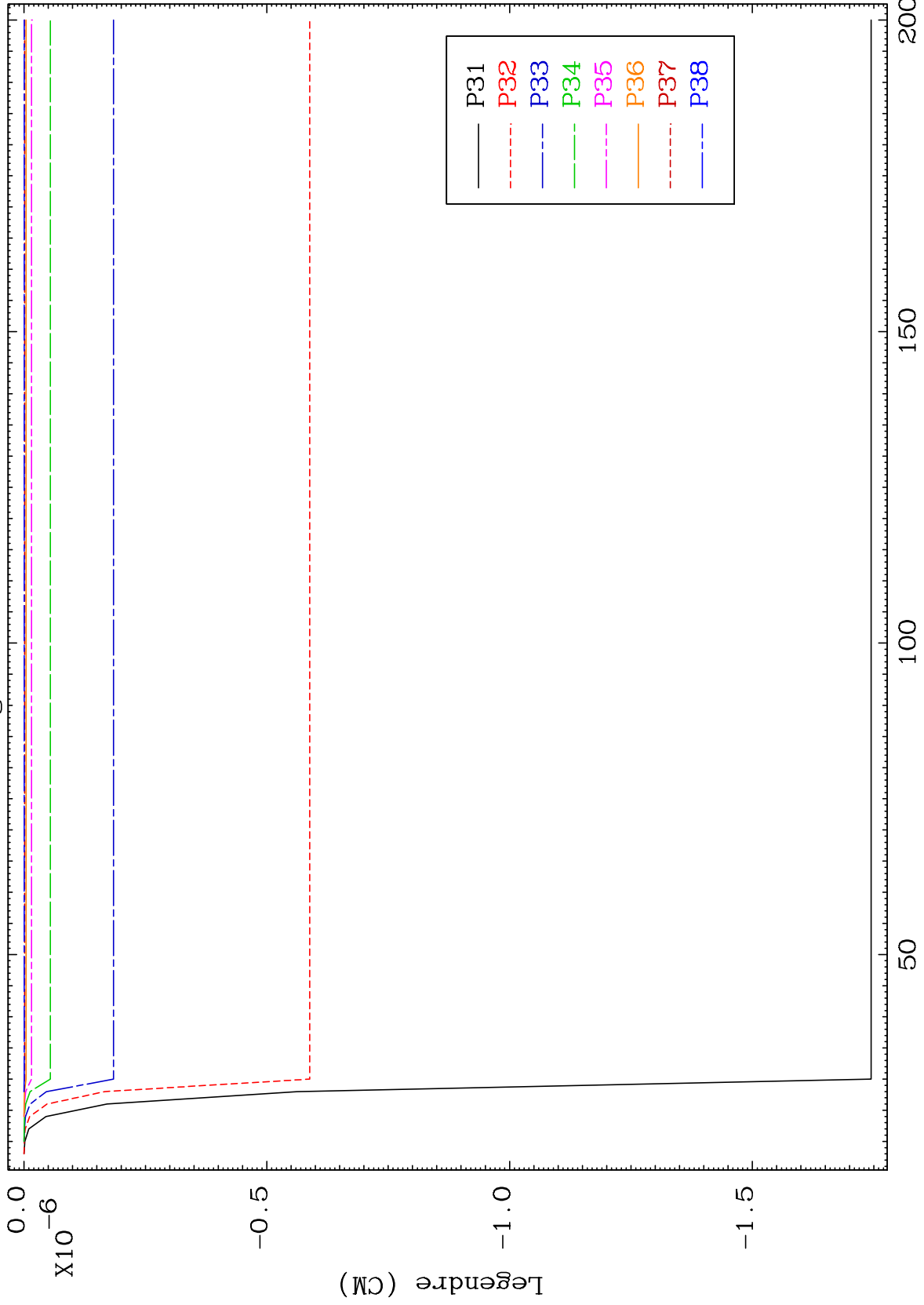
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196



77-Ir-196

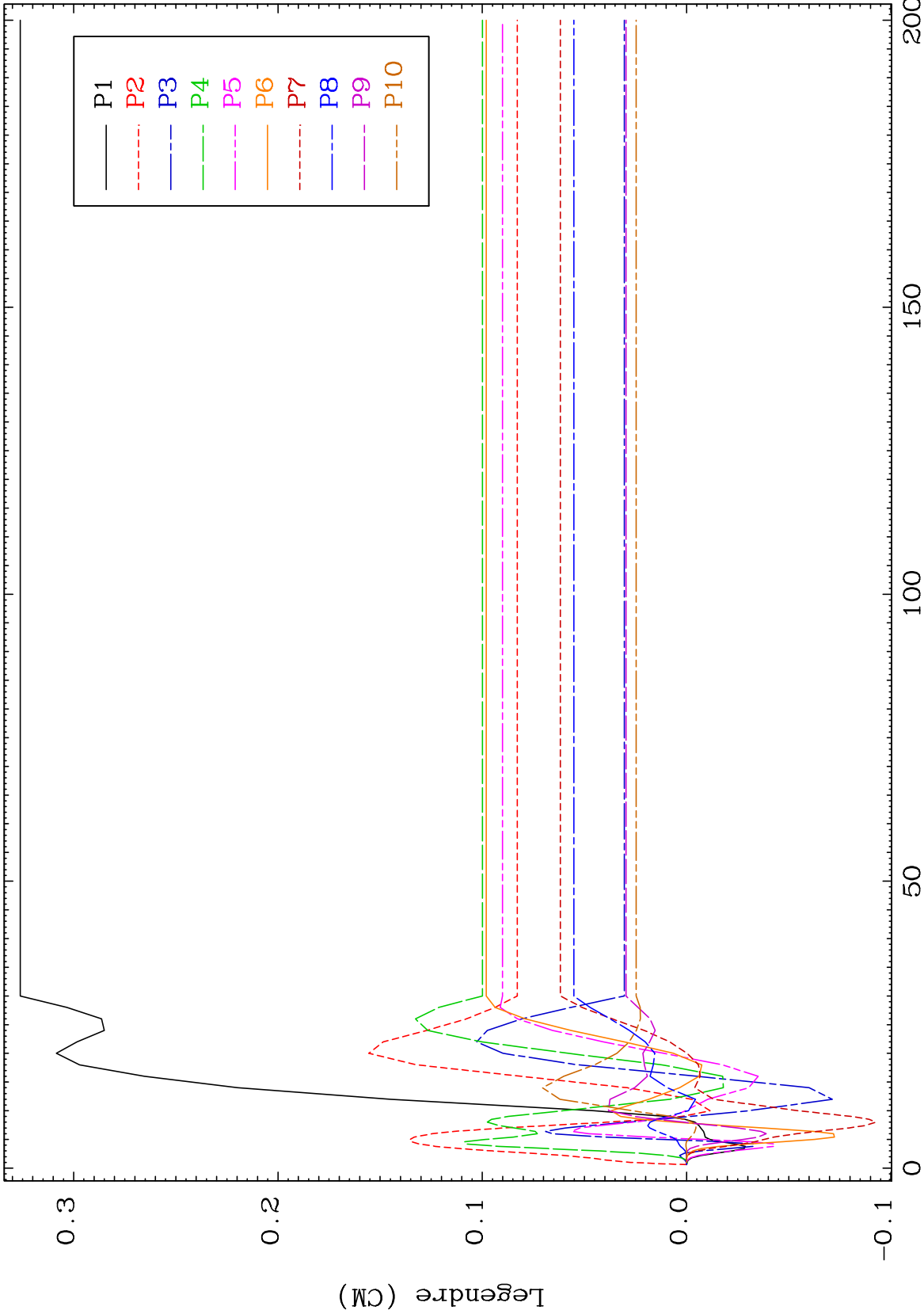
Incident Energy (MeV)

73

MAT 7740

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

77-Ir-196



74

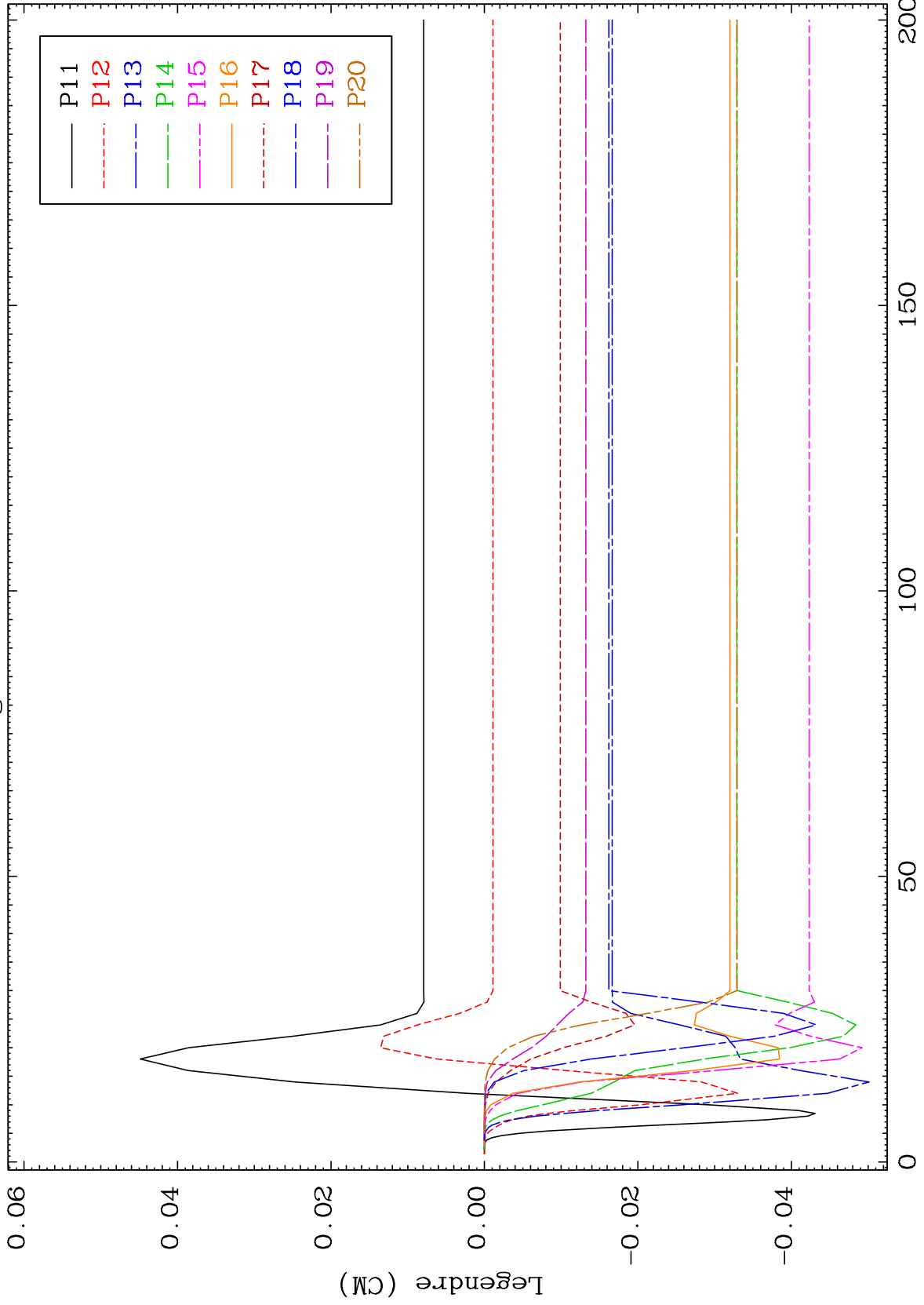
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196



75

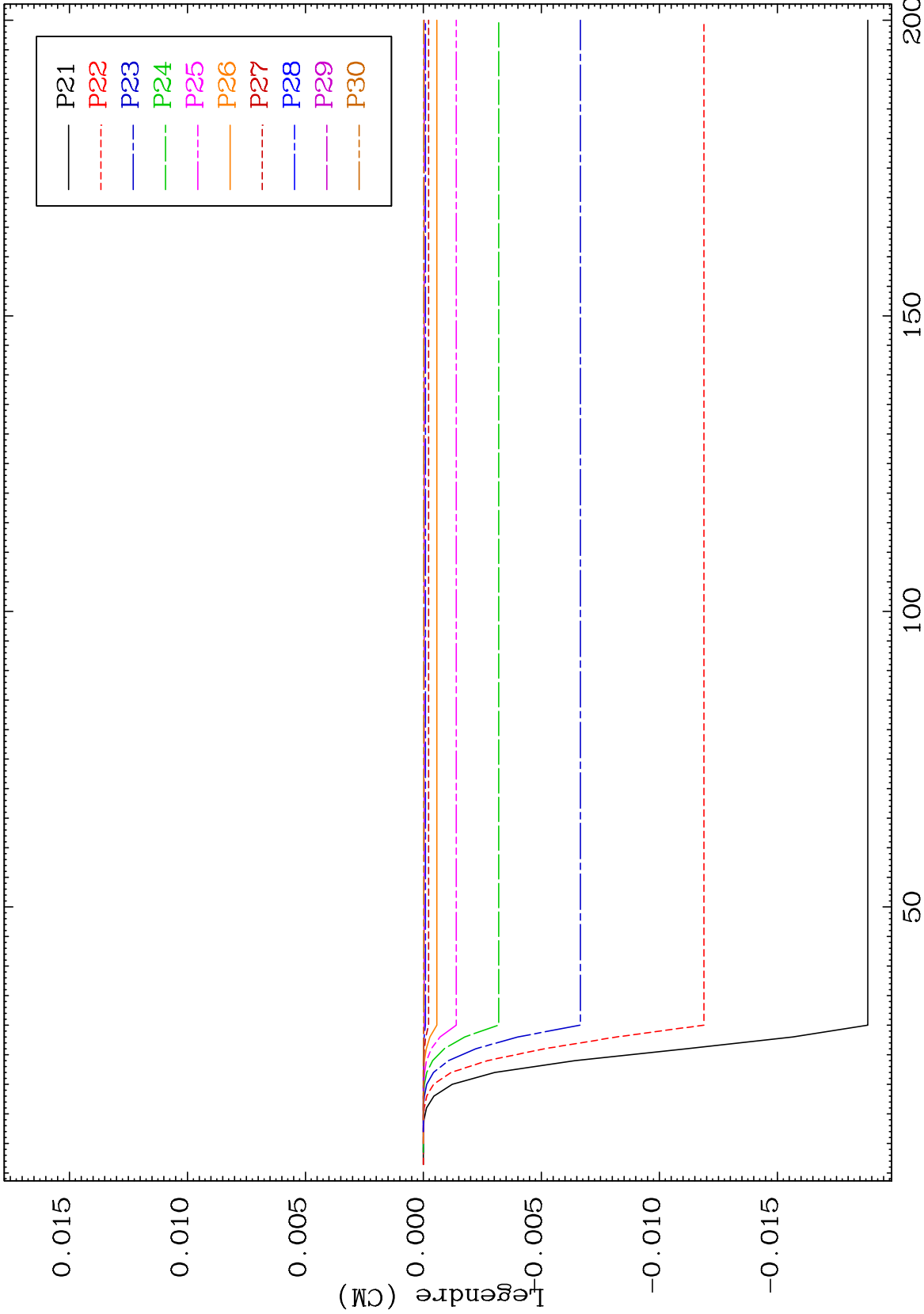
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196



76

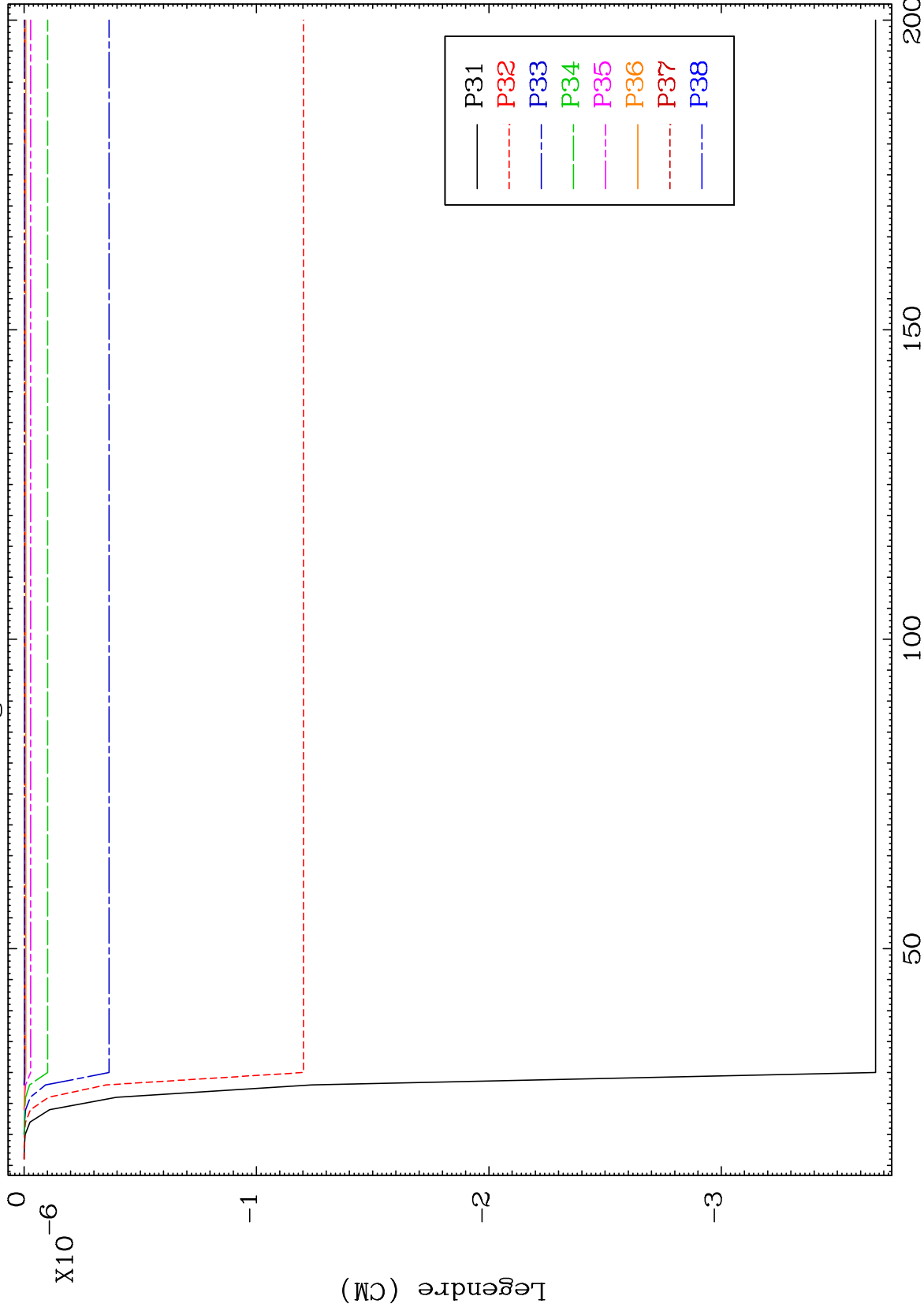
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196



77-Ir-196

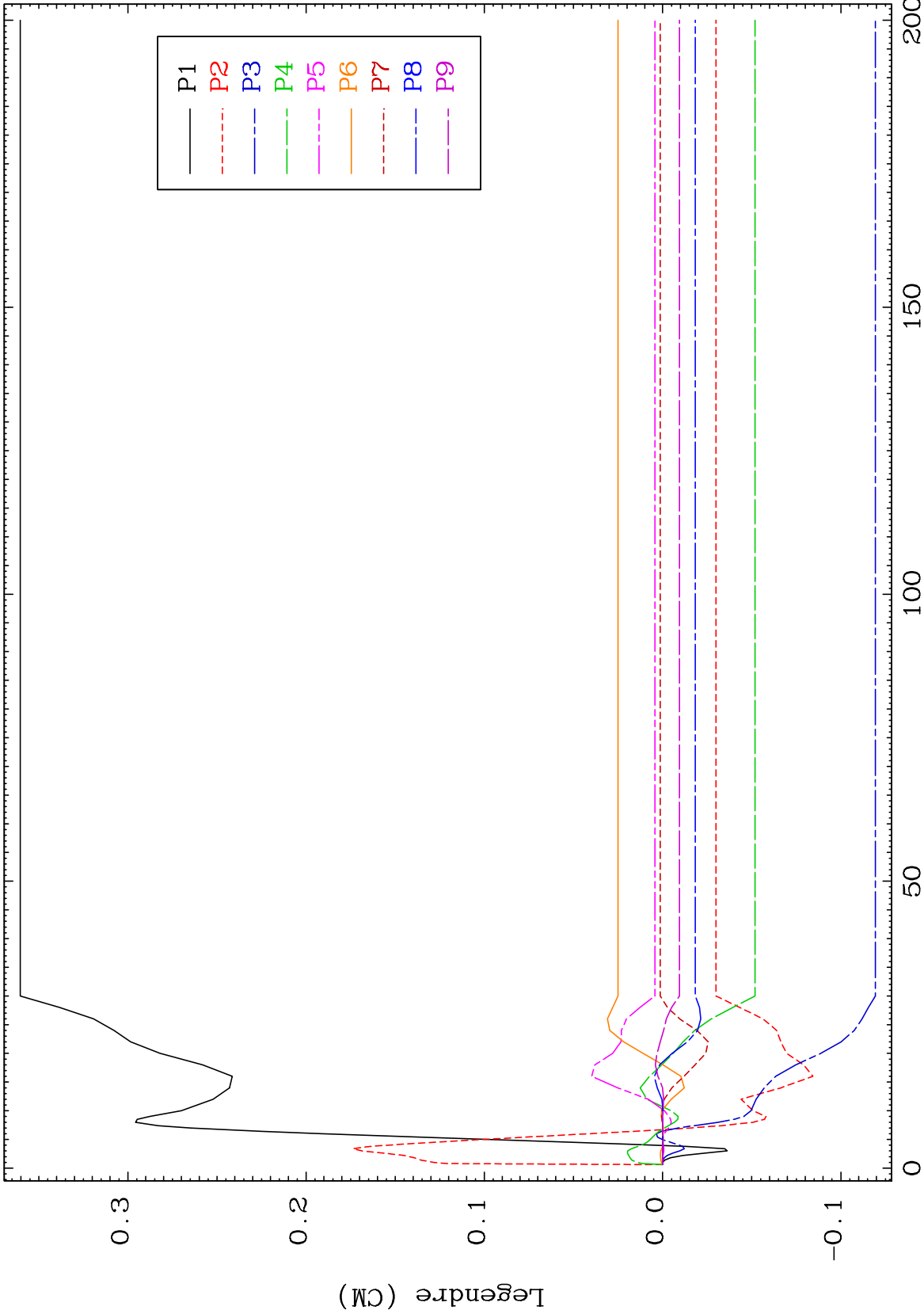
Incident Energy (MeV)

77

MAT 7740

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

77-Ir-196



78

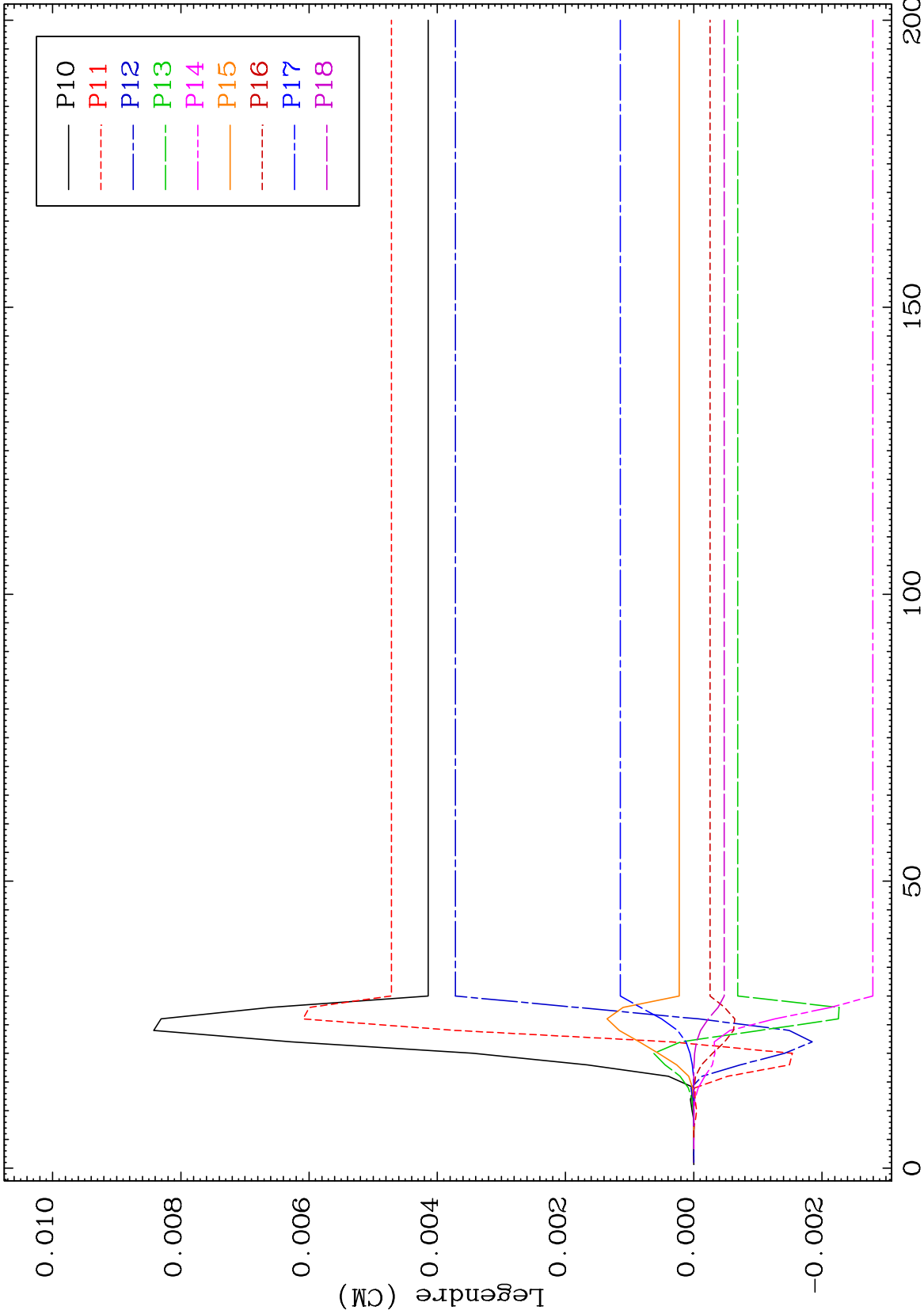
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196



79

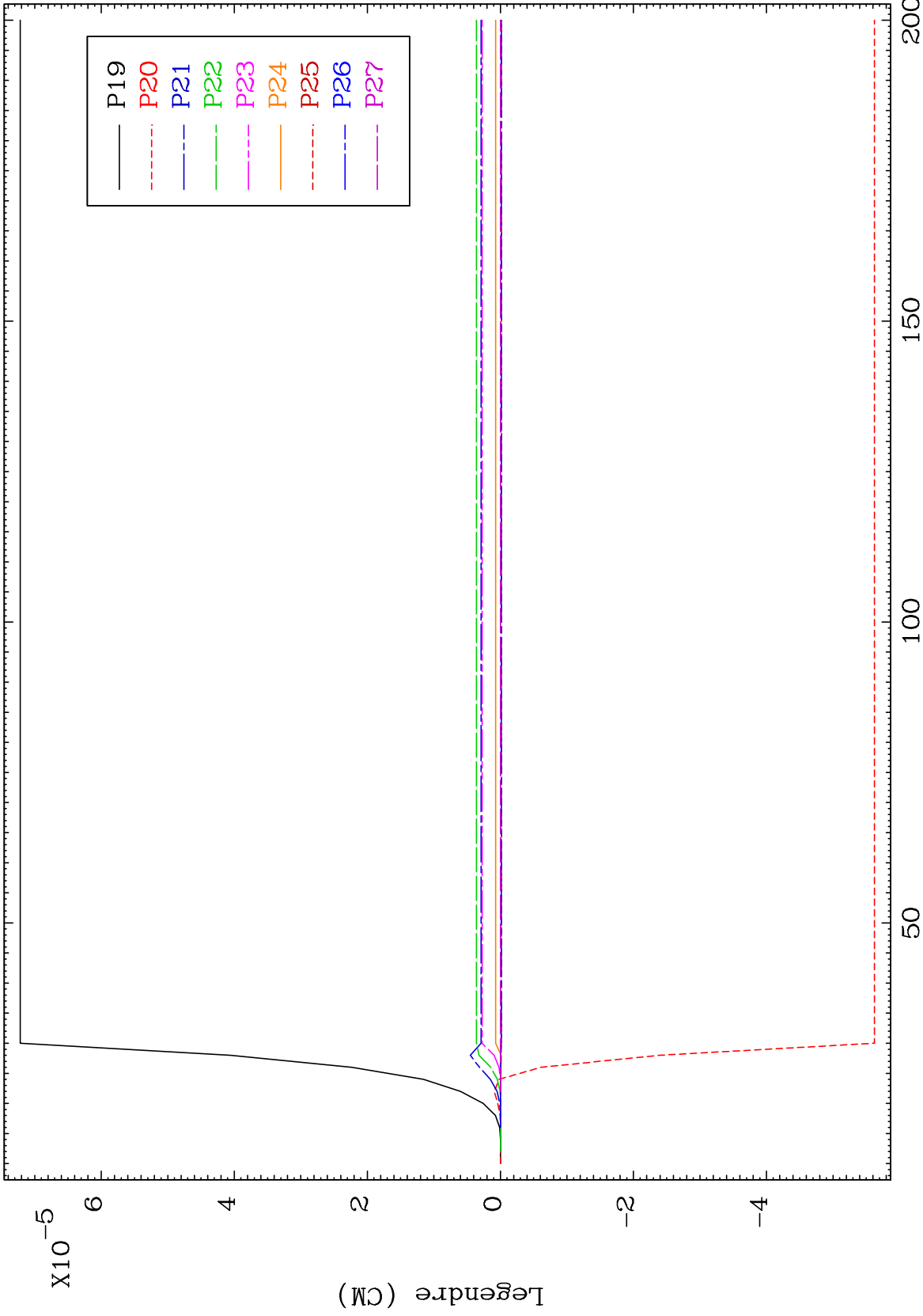
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196

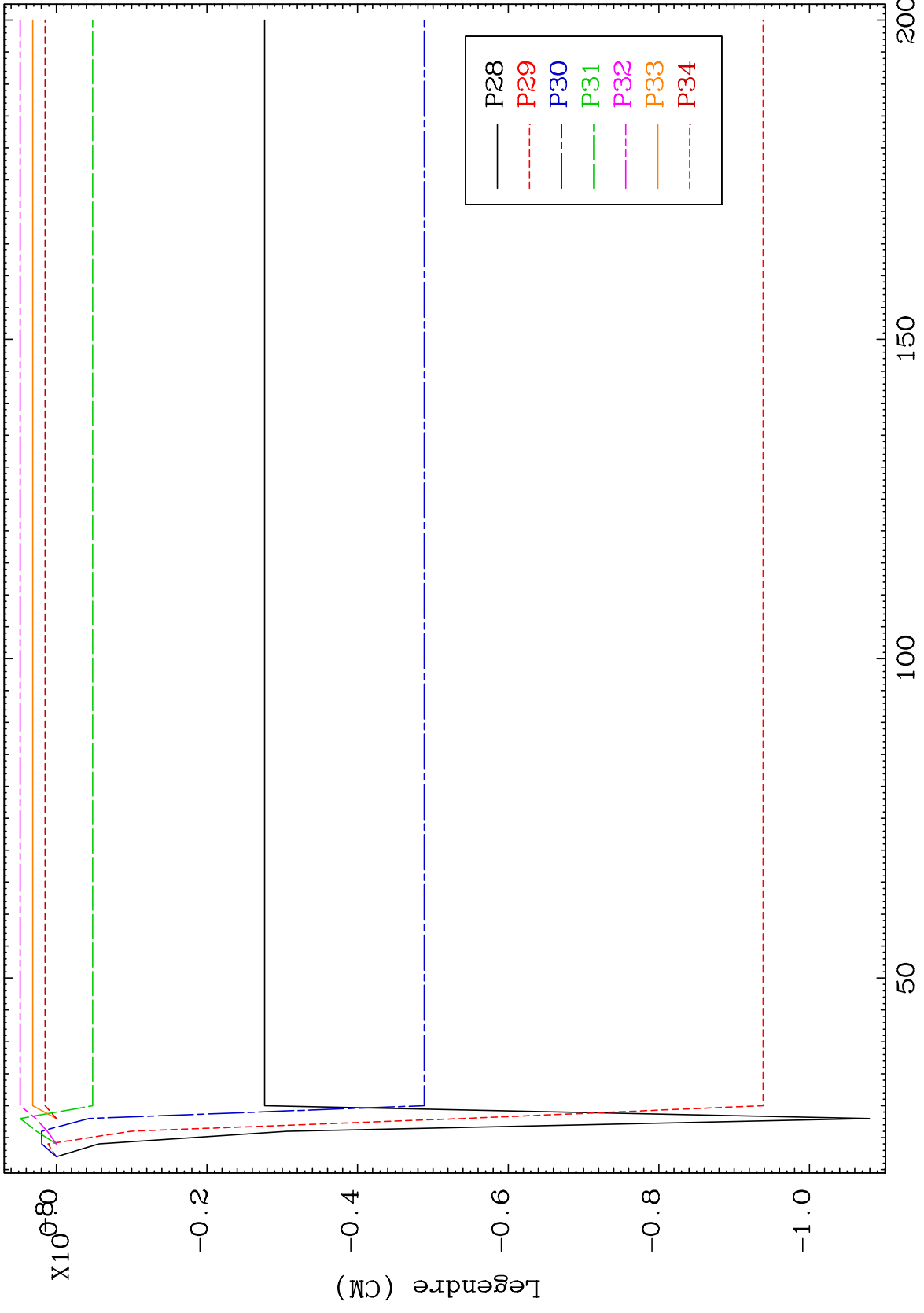


80

Incident Energy (MeV)

77-Ir-196

MAT 7740 MT= 67 (n,n') Level Legendre Coefficients 77-Ir-196

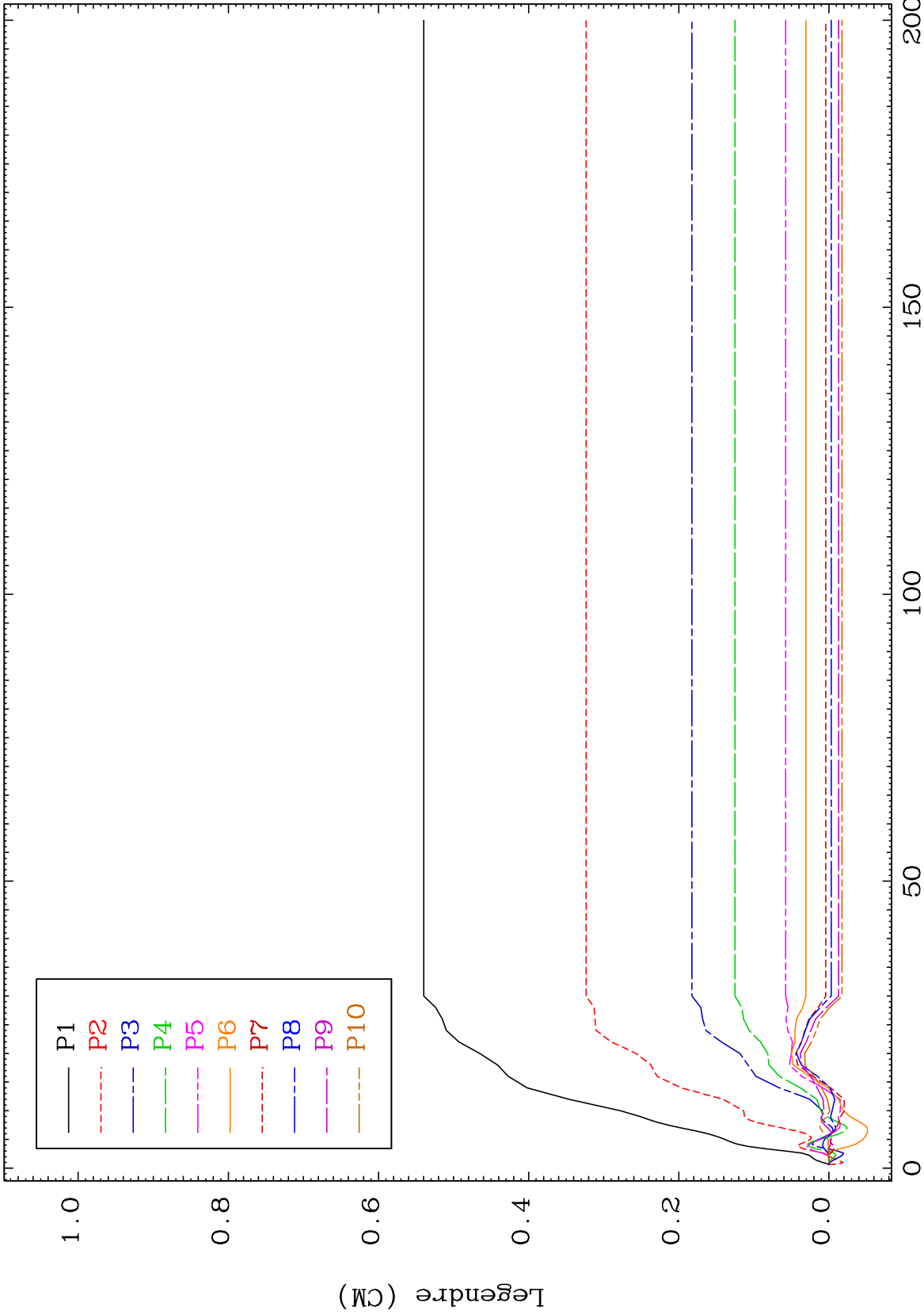


81 77-Ir-196

MAT 7740

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

77-Ir-196



82

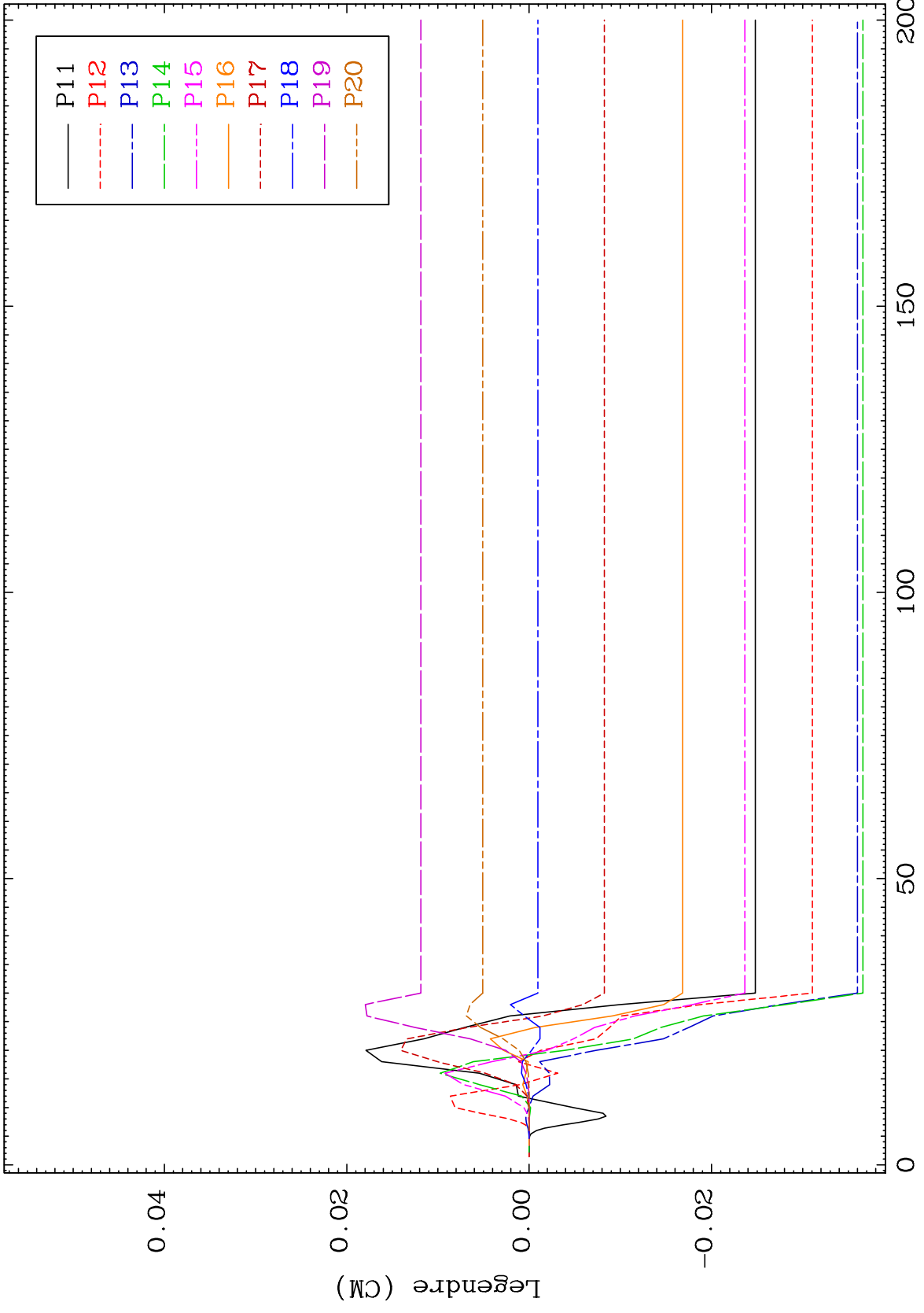
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196



83

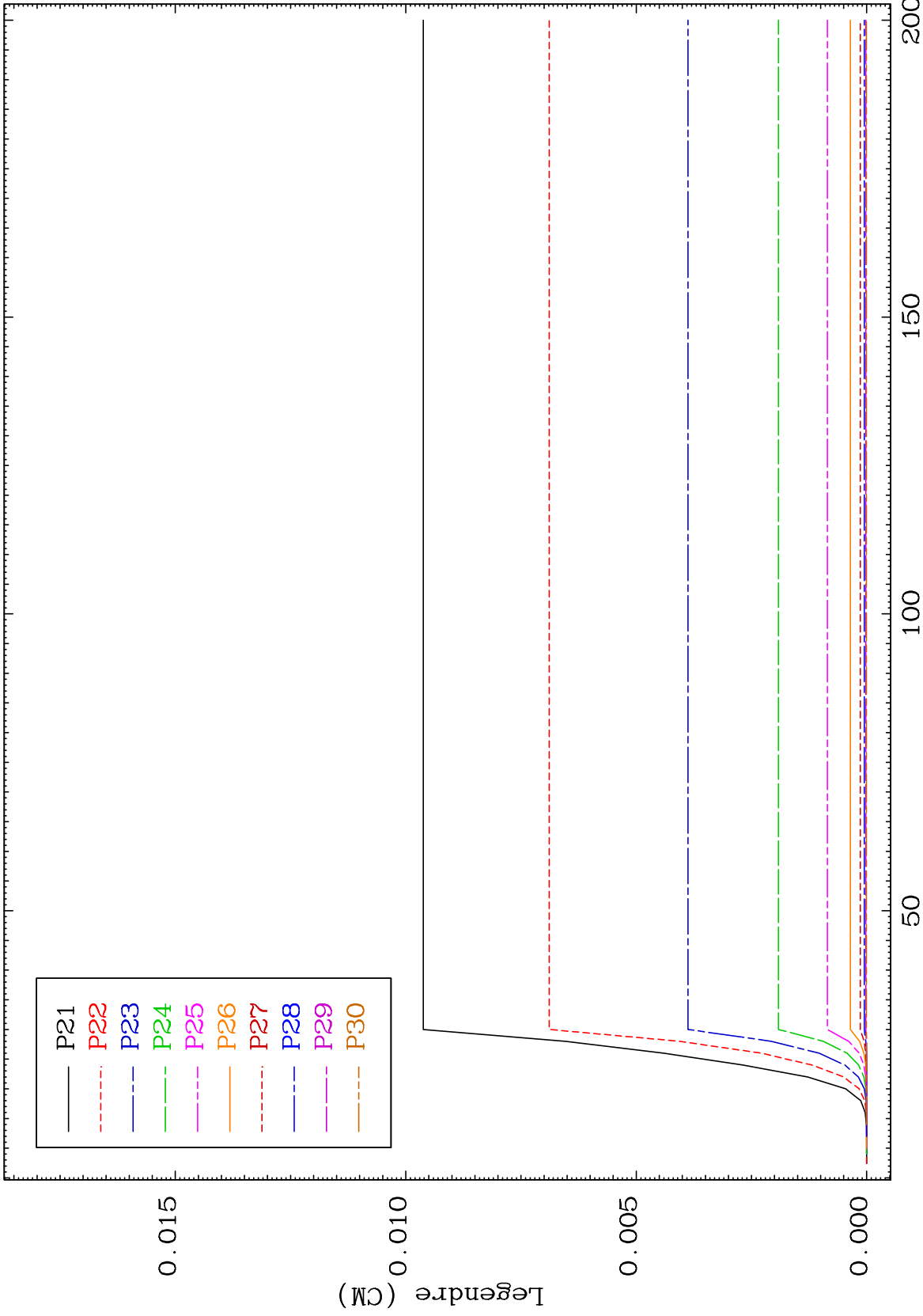
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196



84

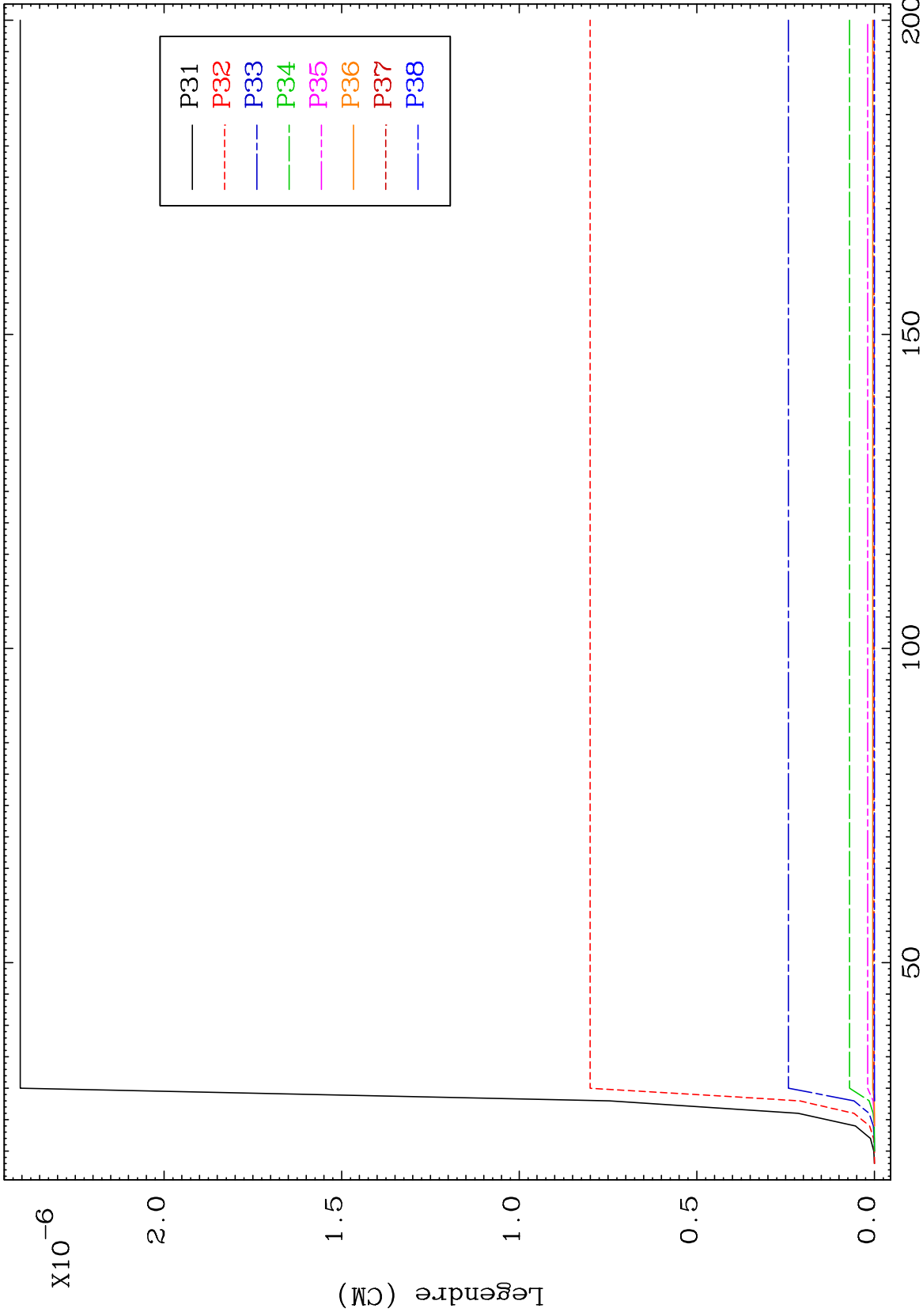
77-Ir-196

77-Ir-196

MAT 7740

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

77-Ir-196



85

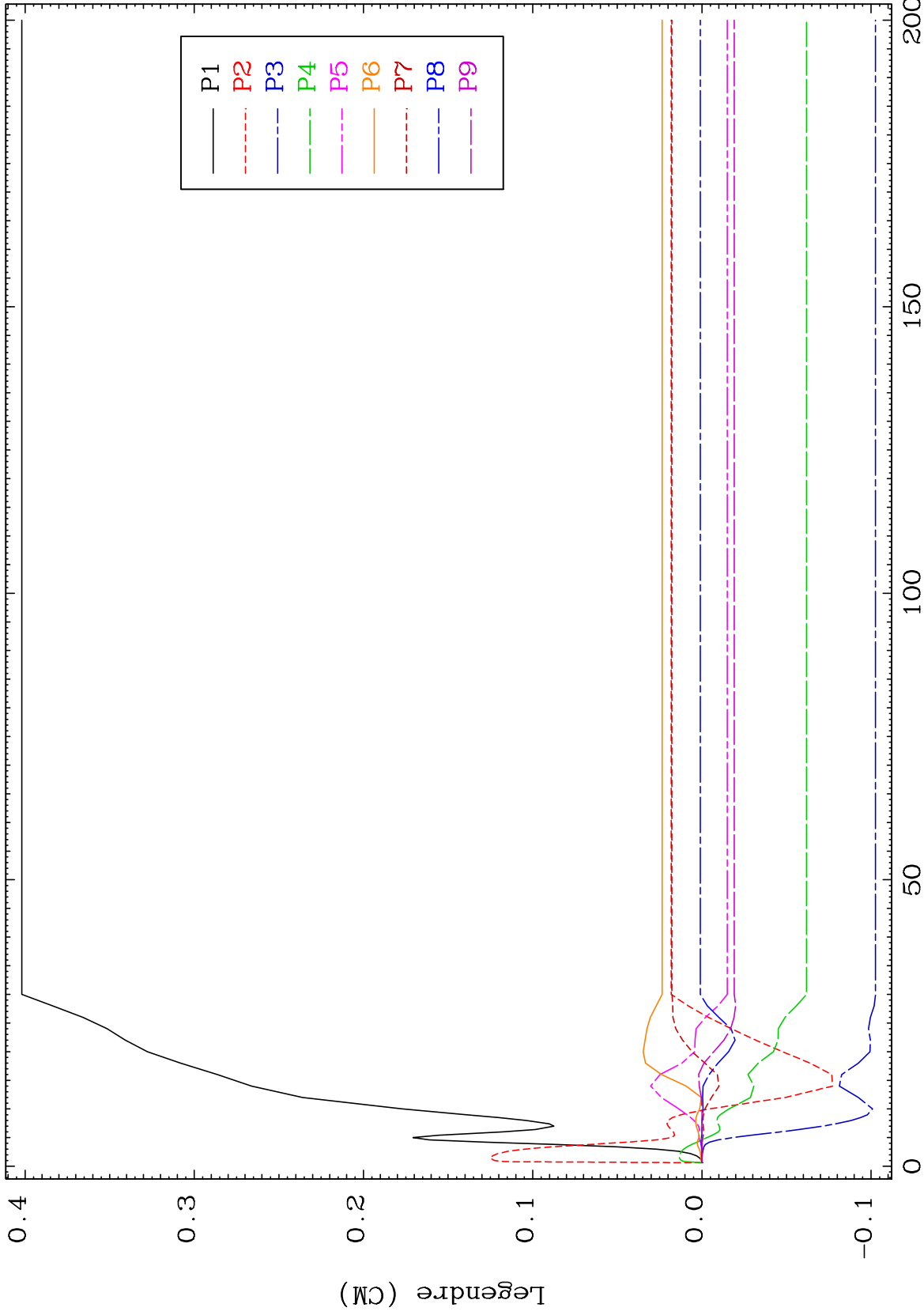
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196



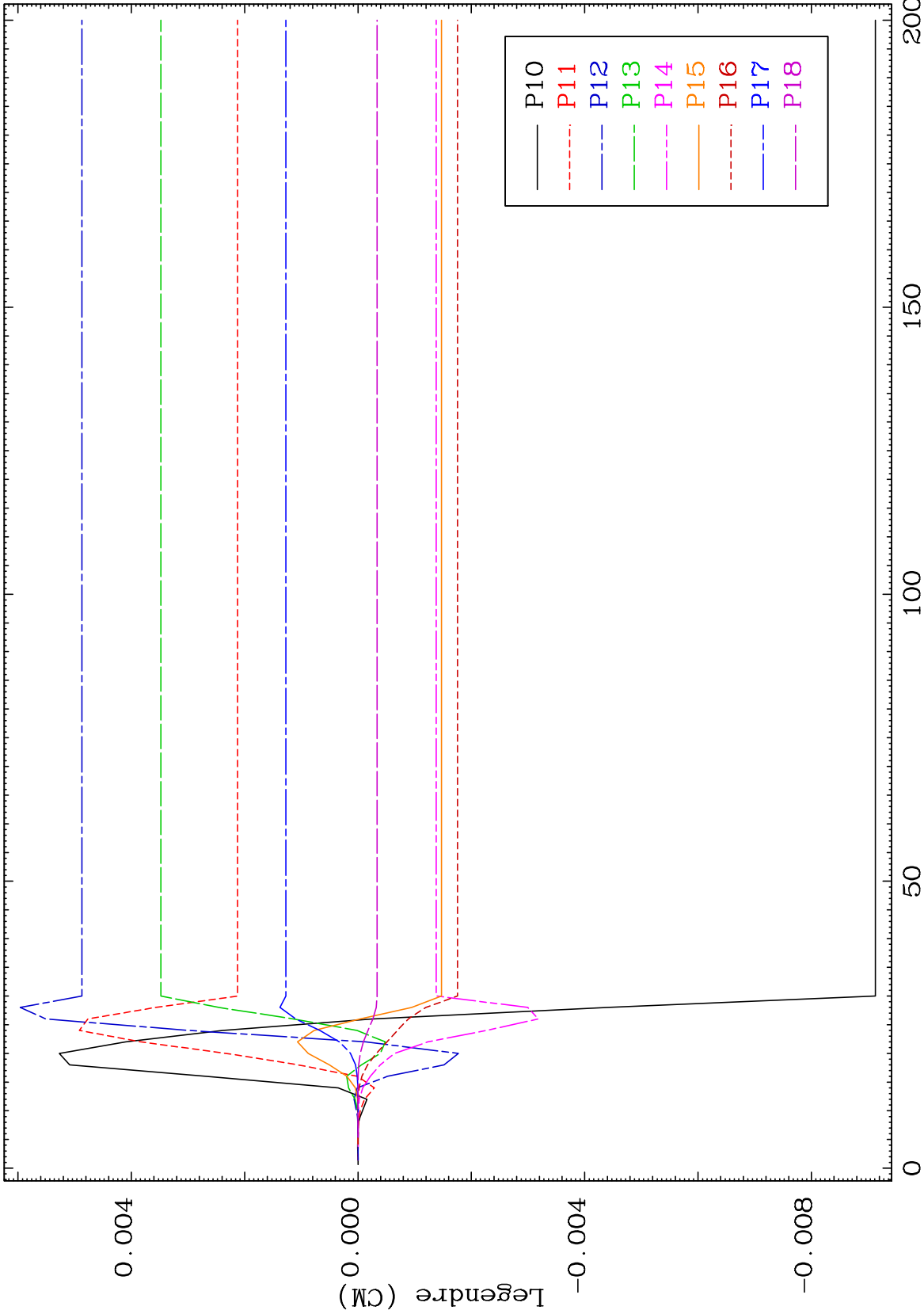
86

77-Ir-196

MAT 7740

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

77-Ir-196



87

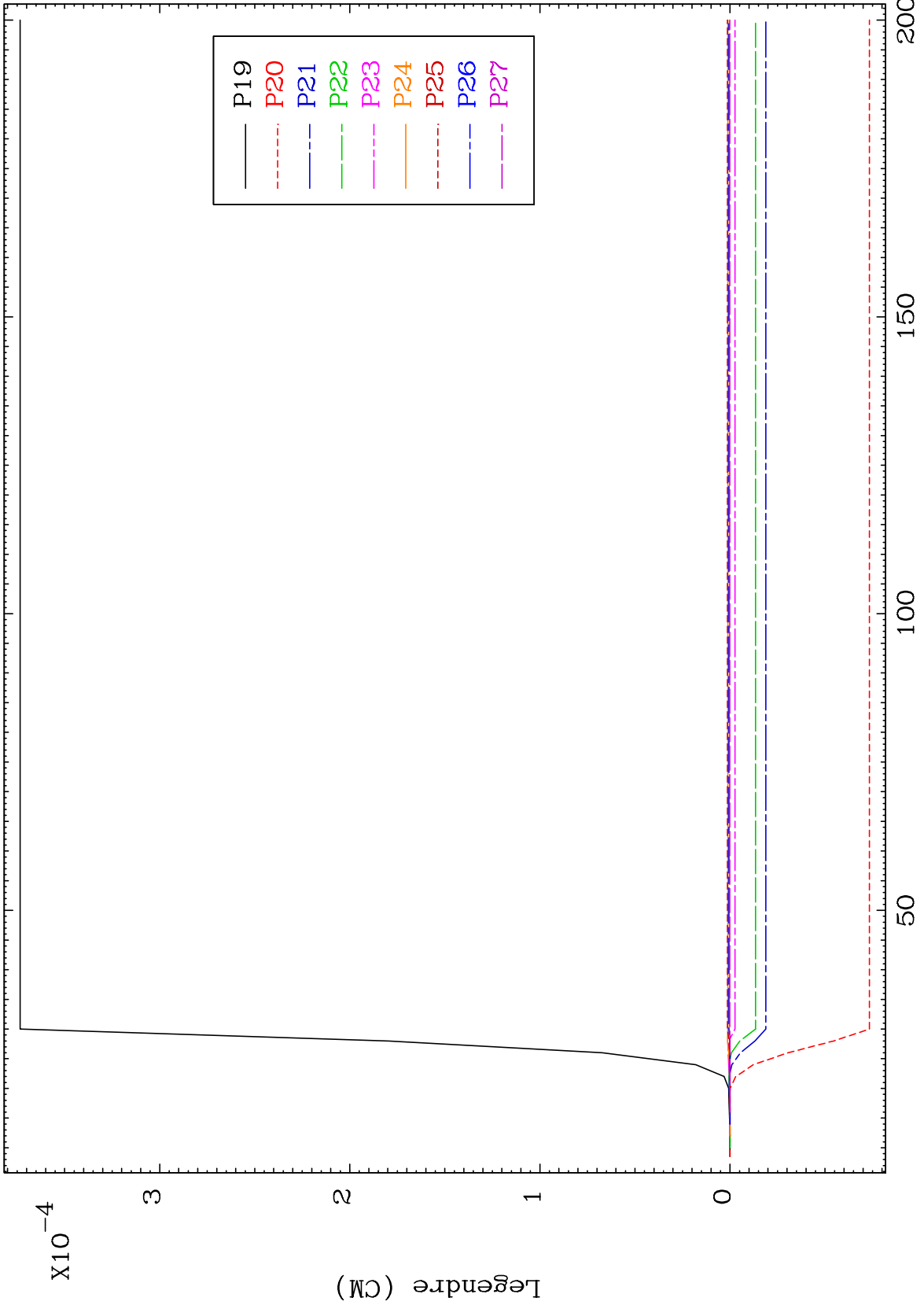
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196



88

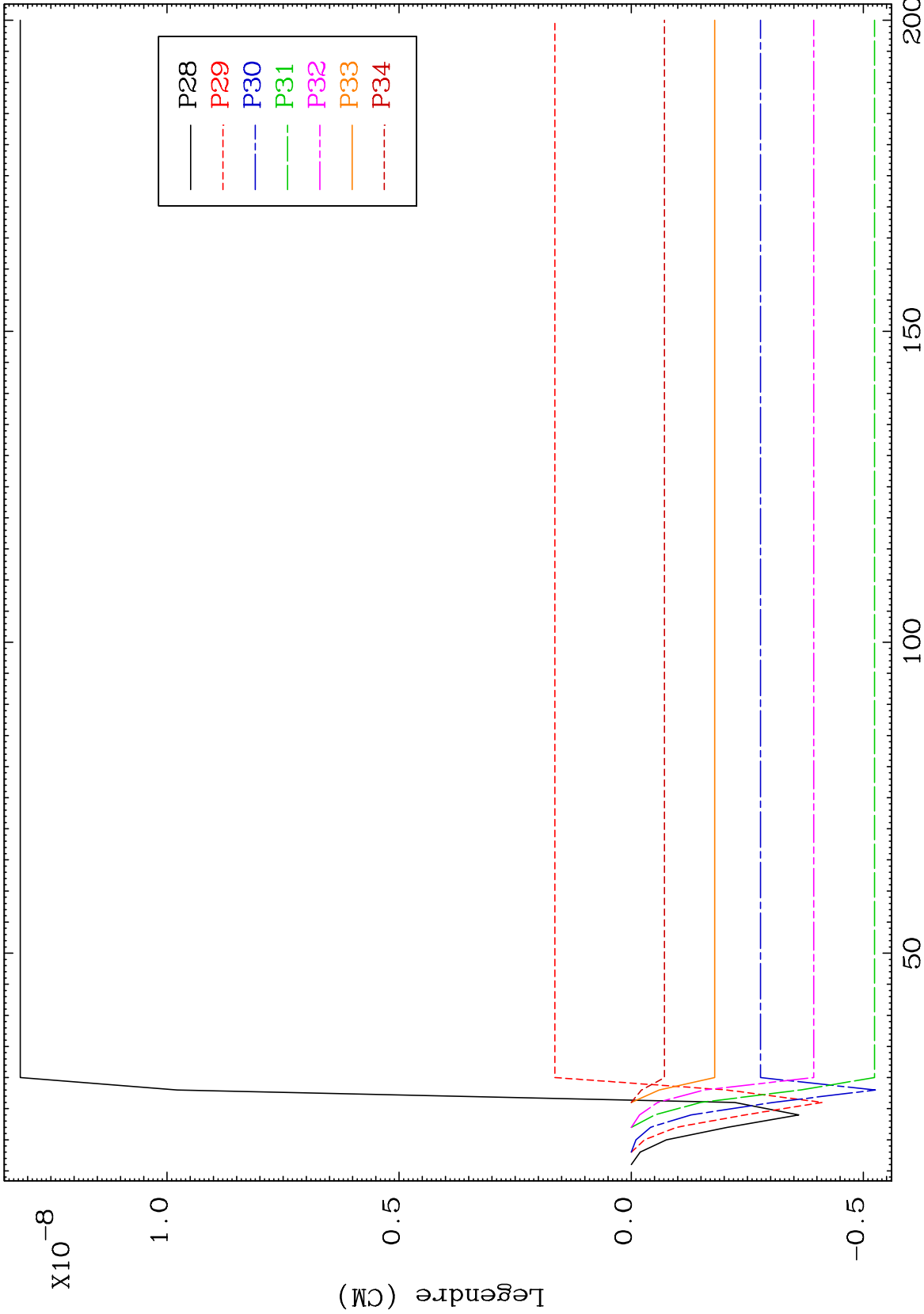
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196



89

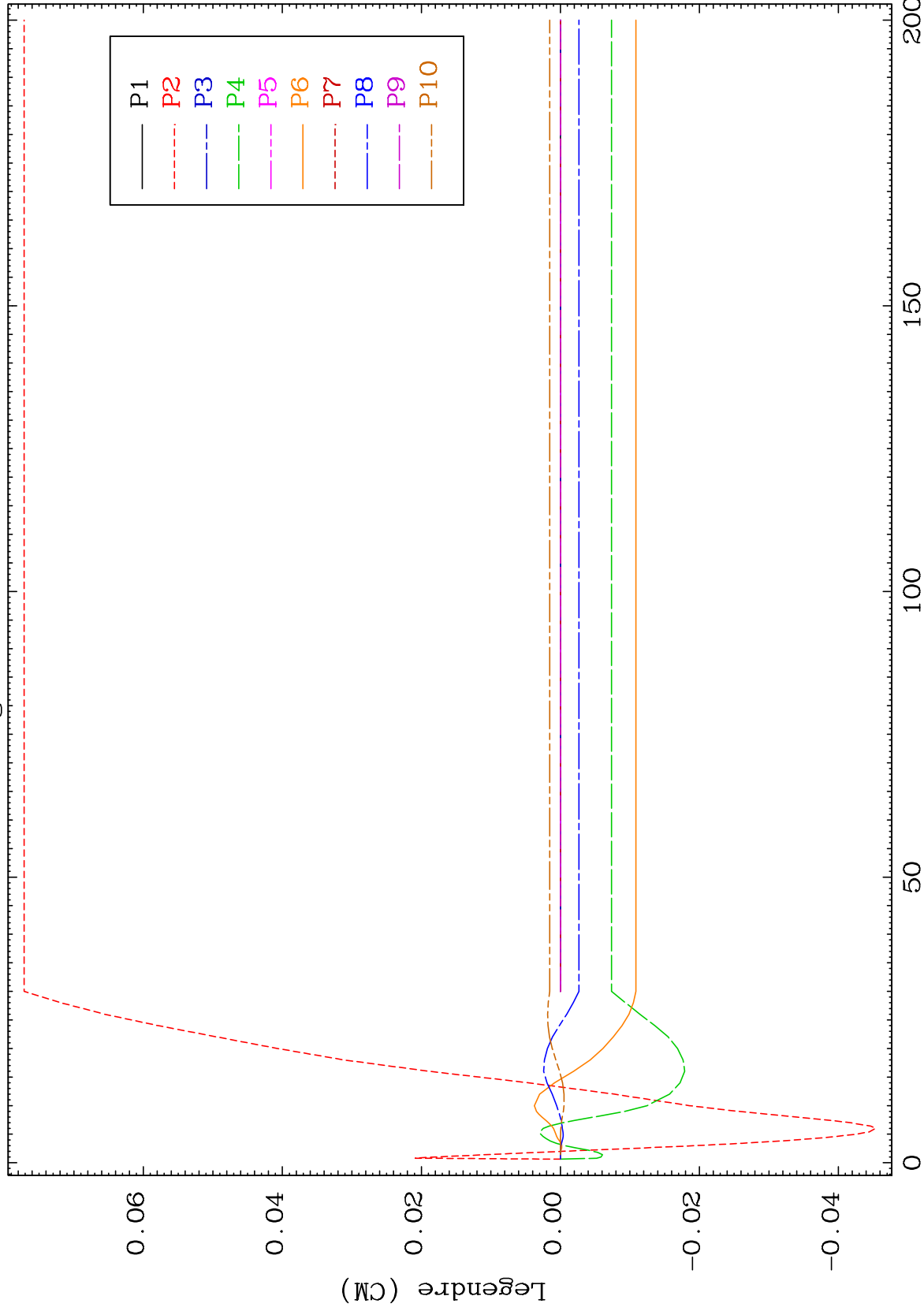
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196



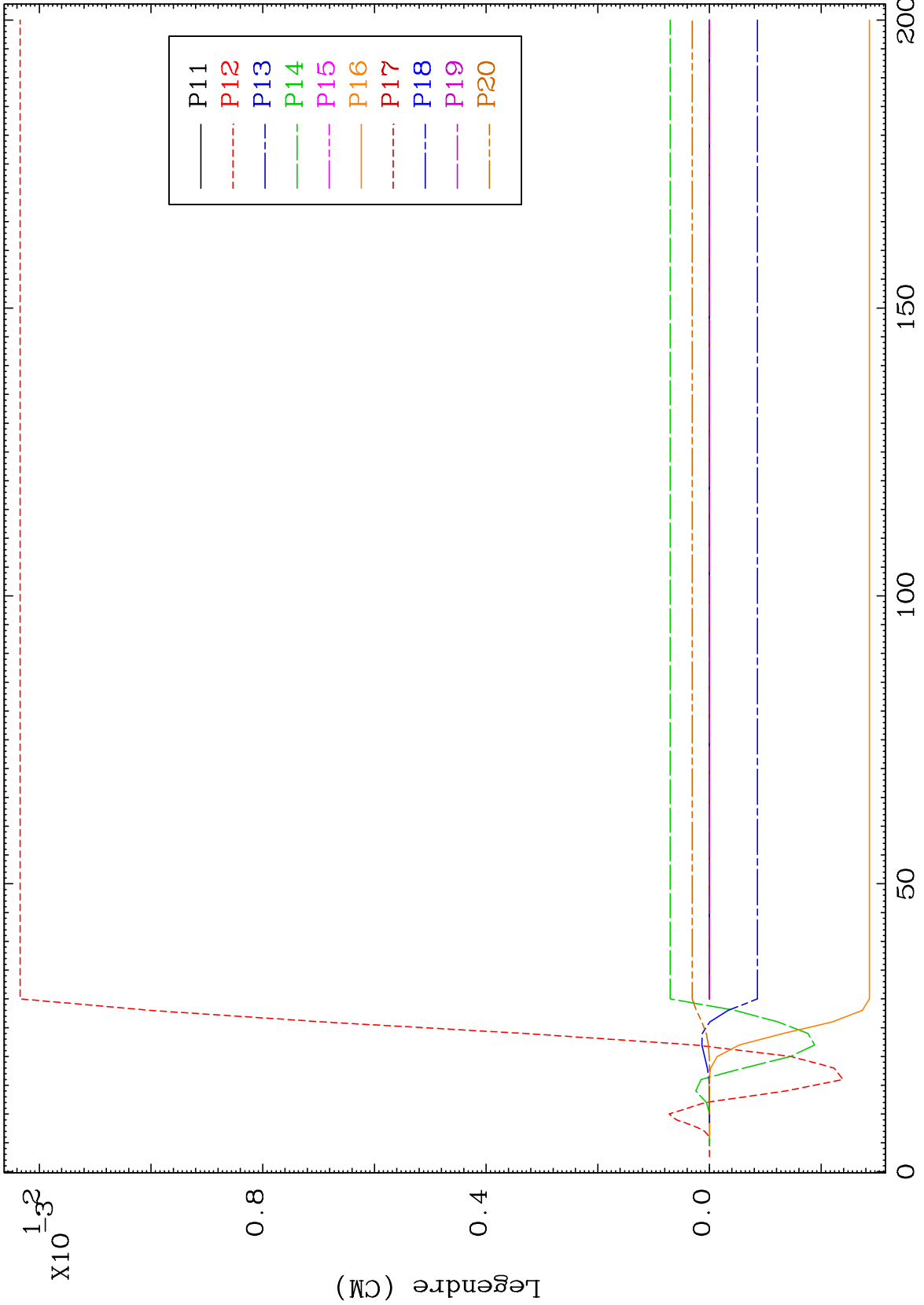
77-Ir-196

Incident Energy (MeV)

MAT 7740

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

77-Ir-196



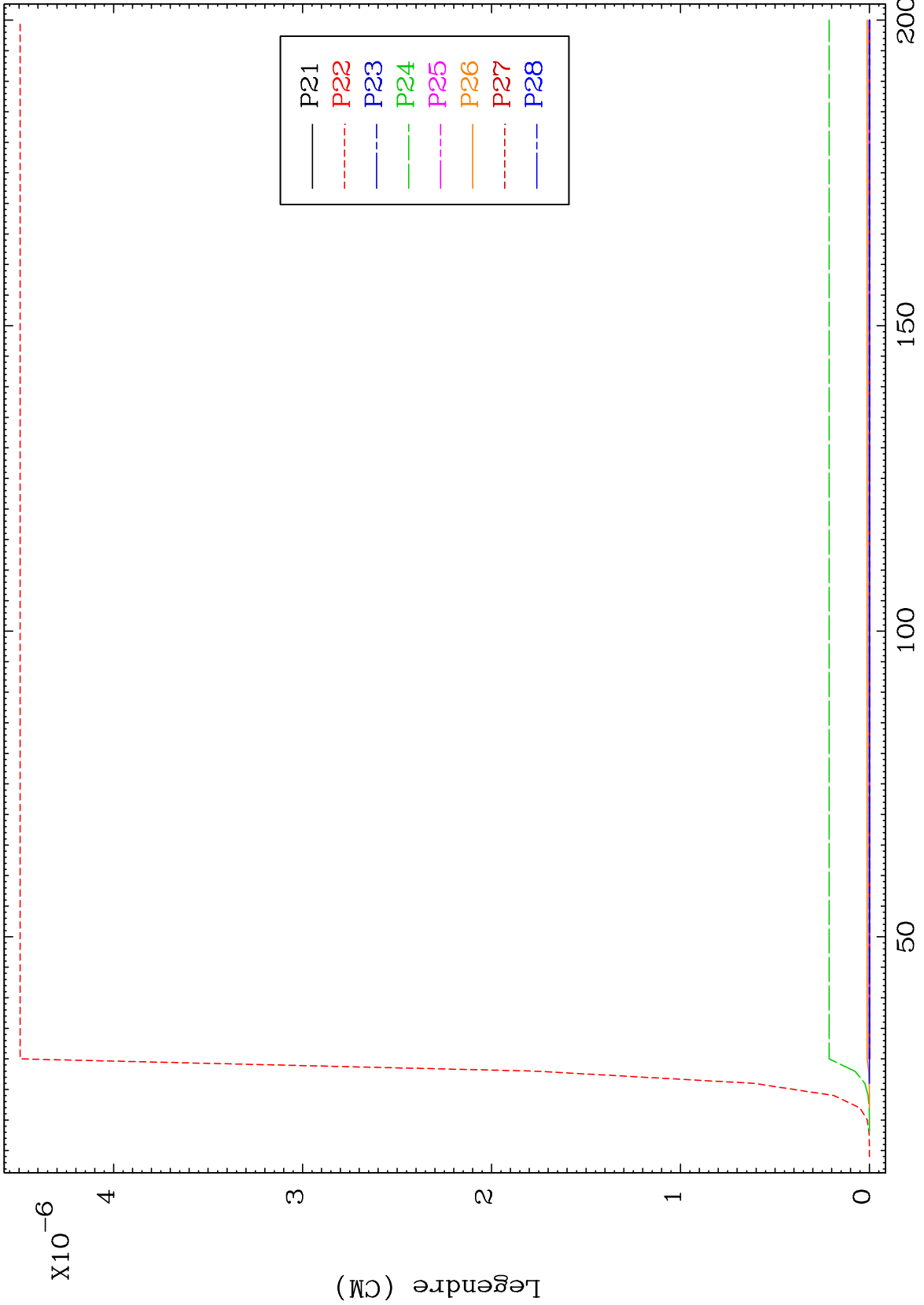
91

77-Ir-196

MAT 7740

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

77-Ir-196



92

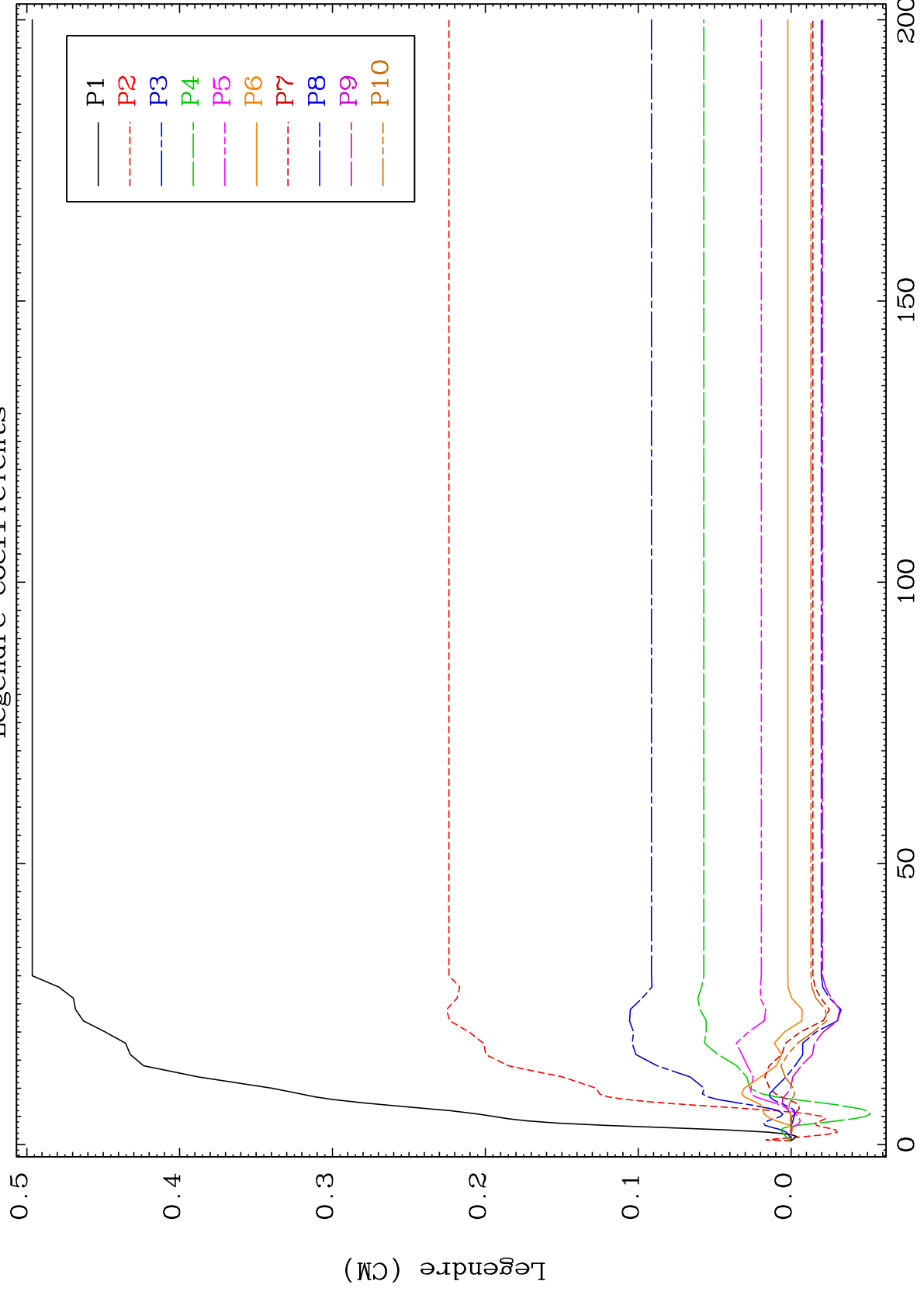
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196



93

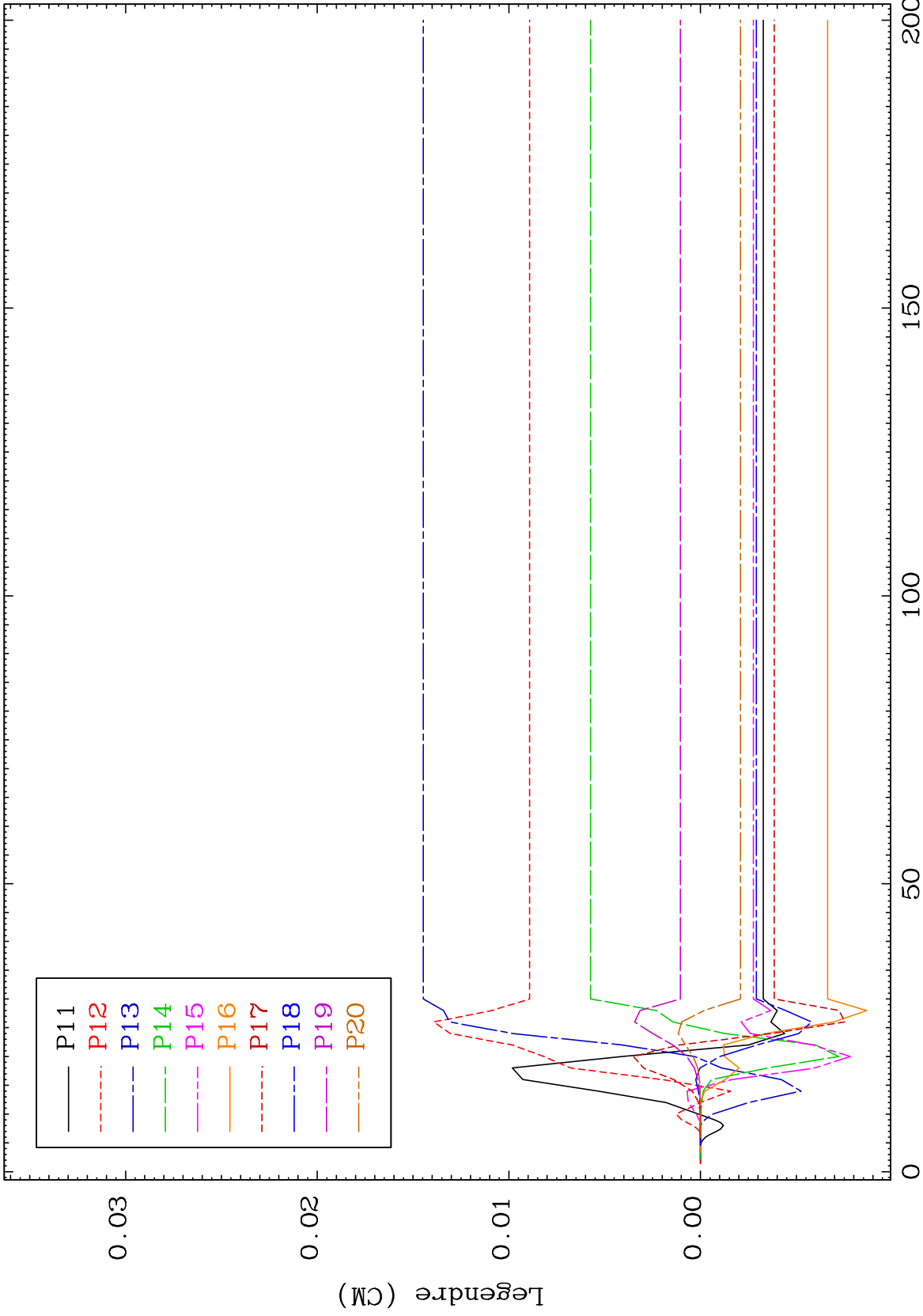
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

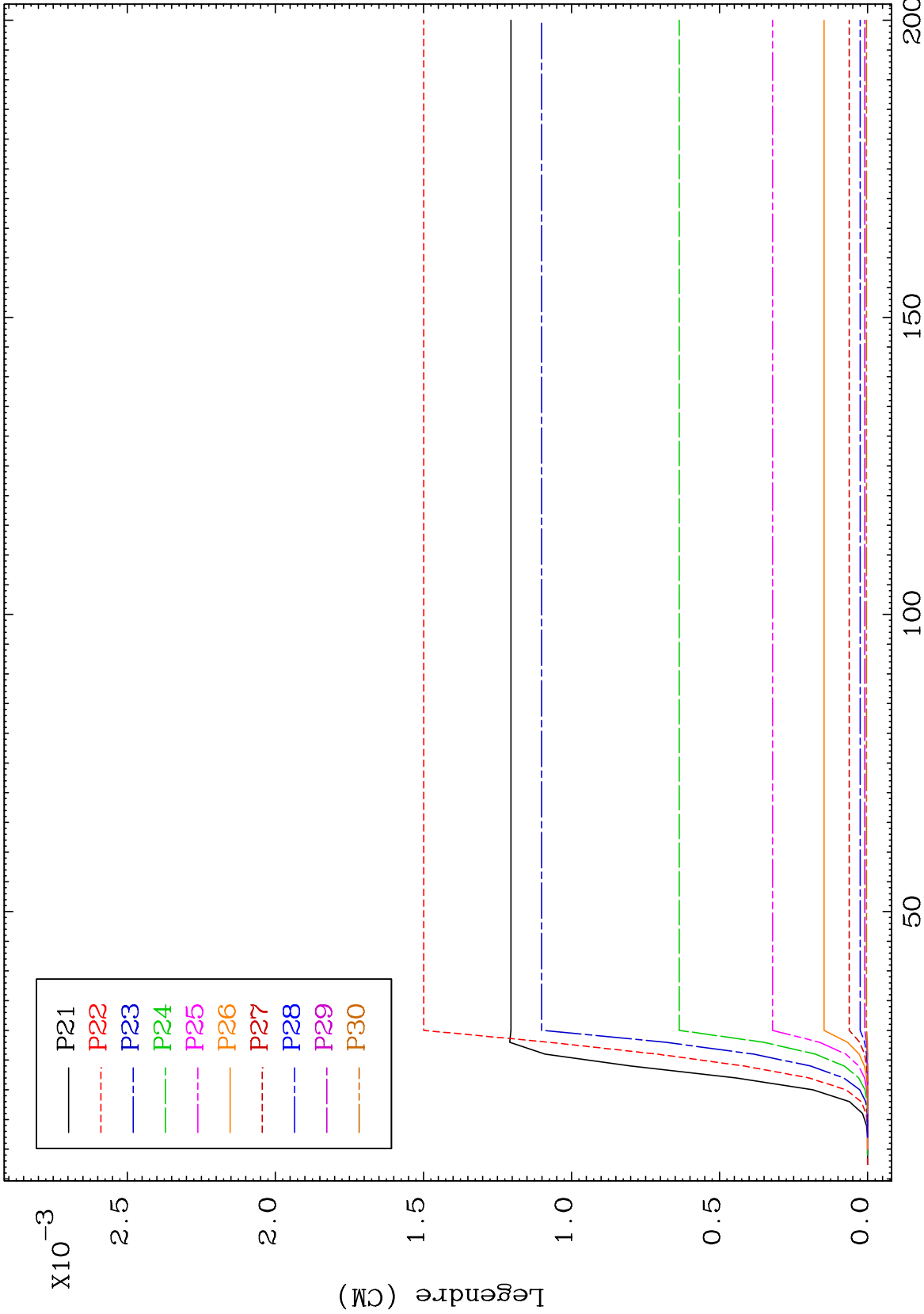
77-Ir-196

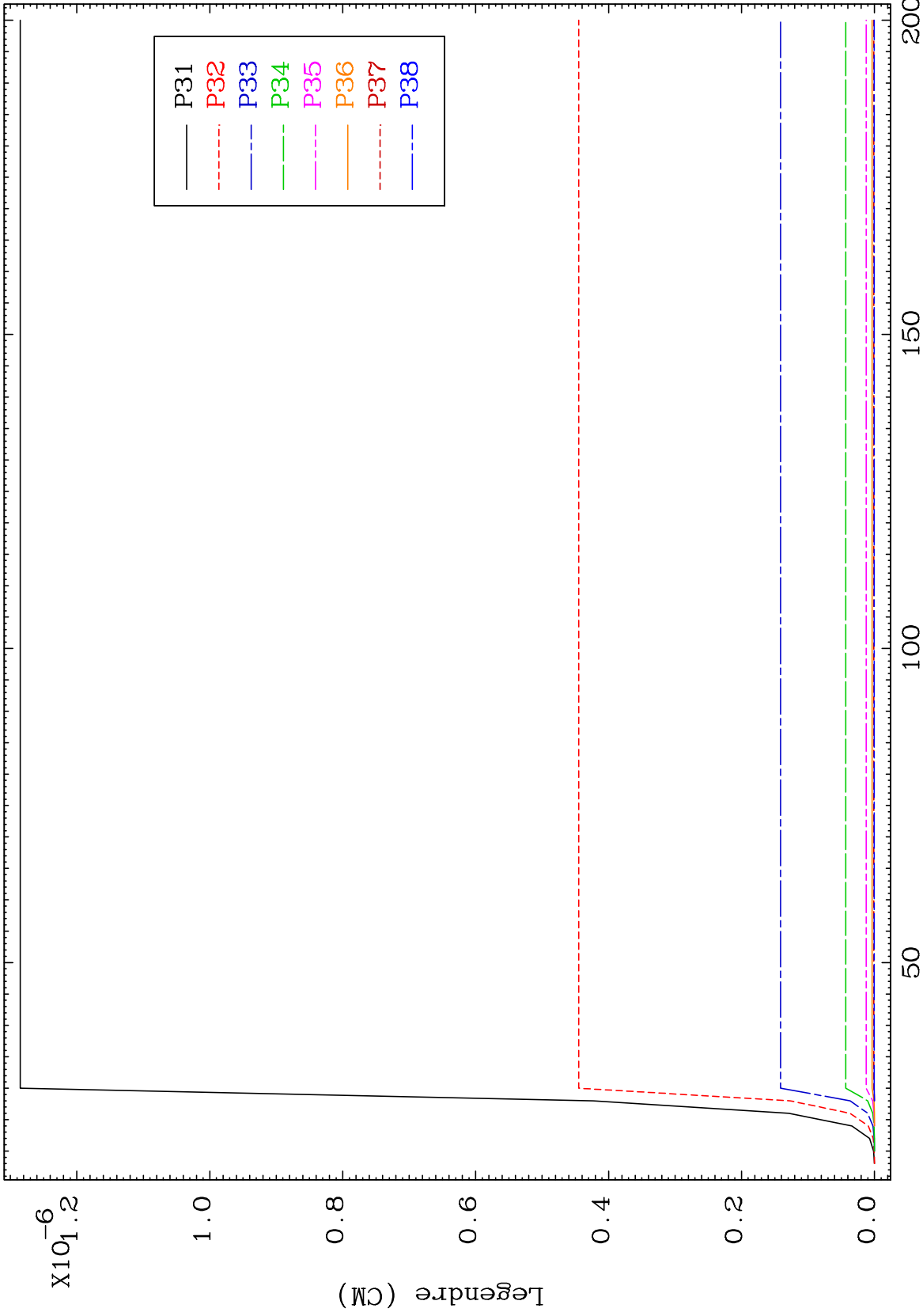


94

Incident Energy (MeV)

77-Ir-196

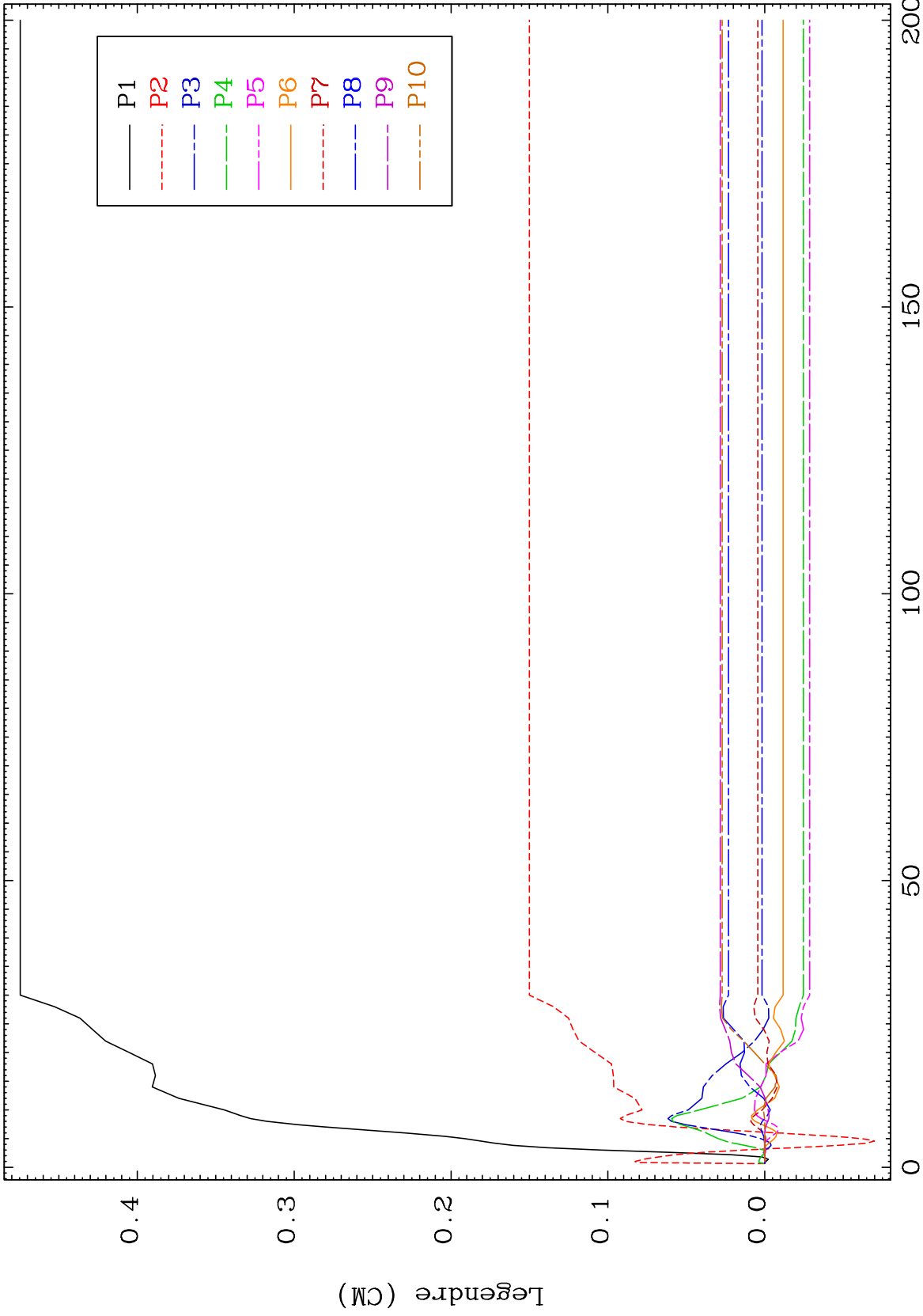




MAT 7740

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

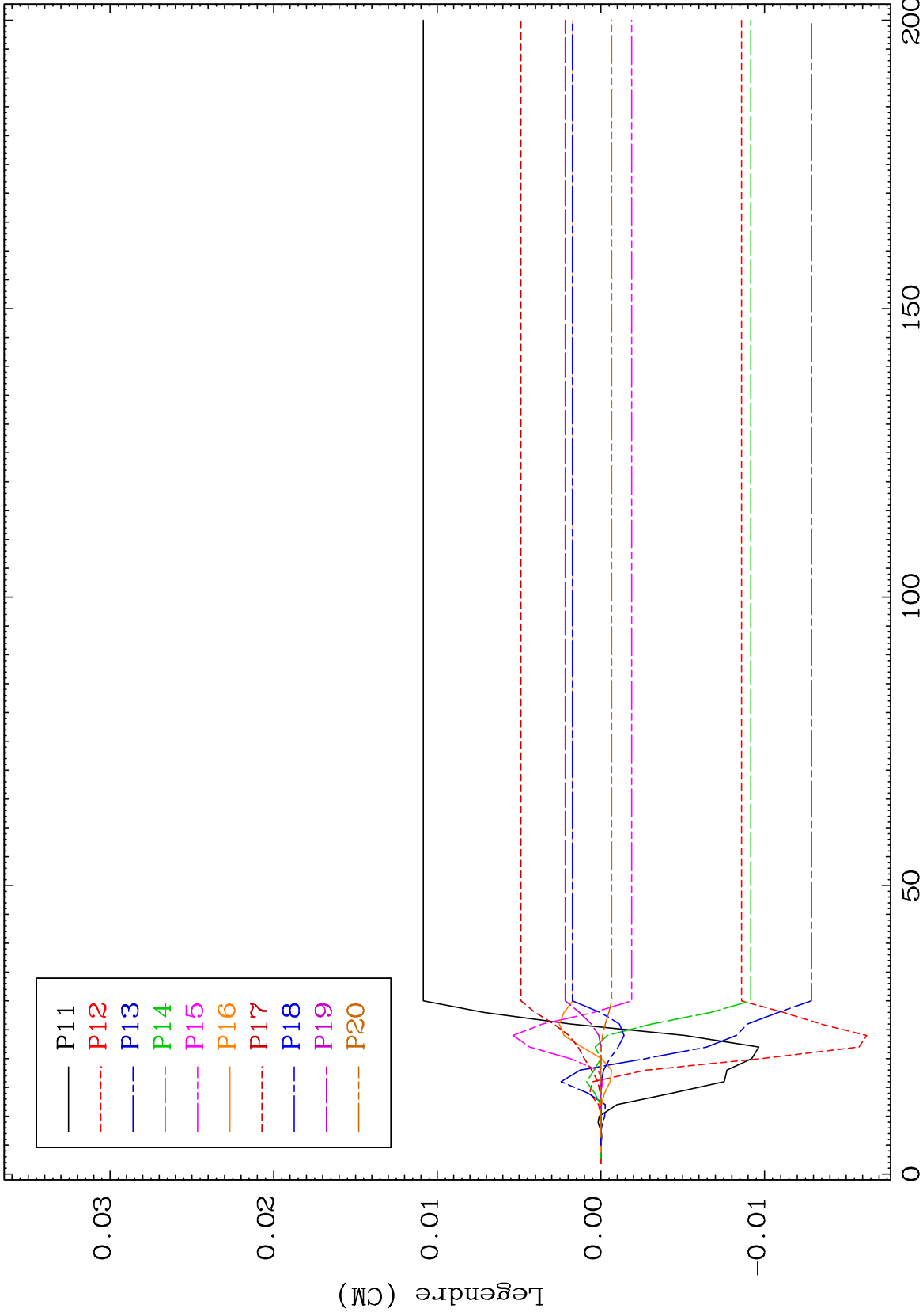
77-Ir-196



97

Incident Energy (MeV)

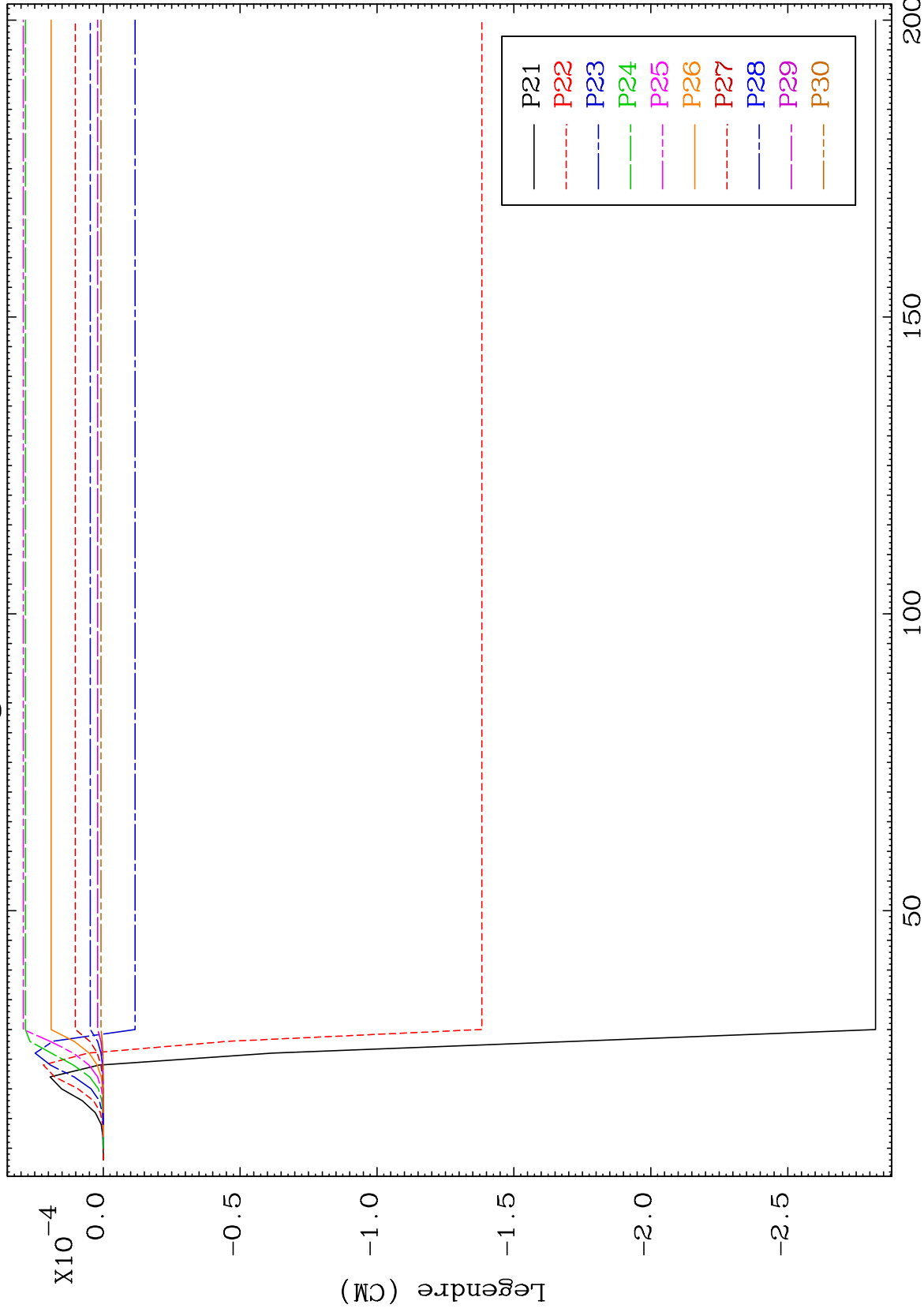
77-Ir-196



MAT 7740

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

77-Ir-196



99

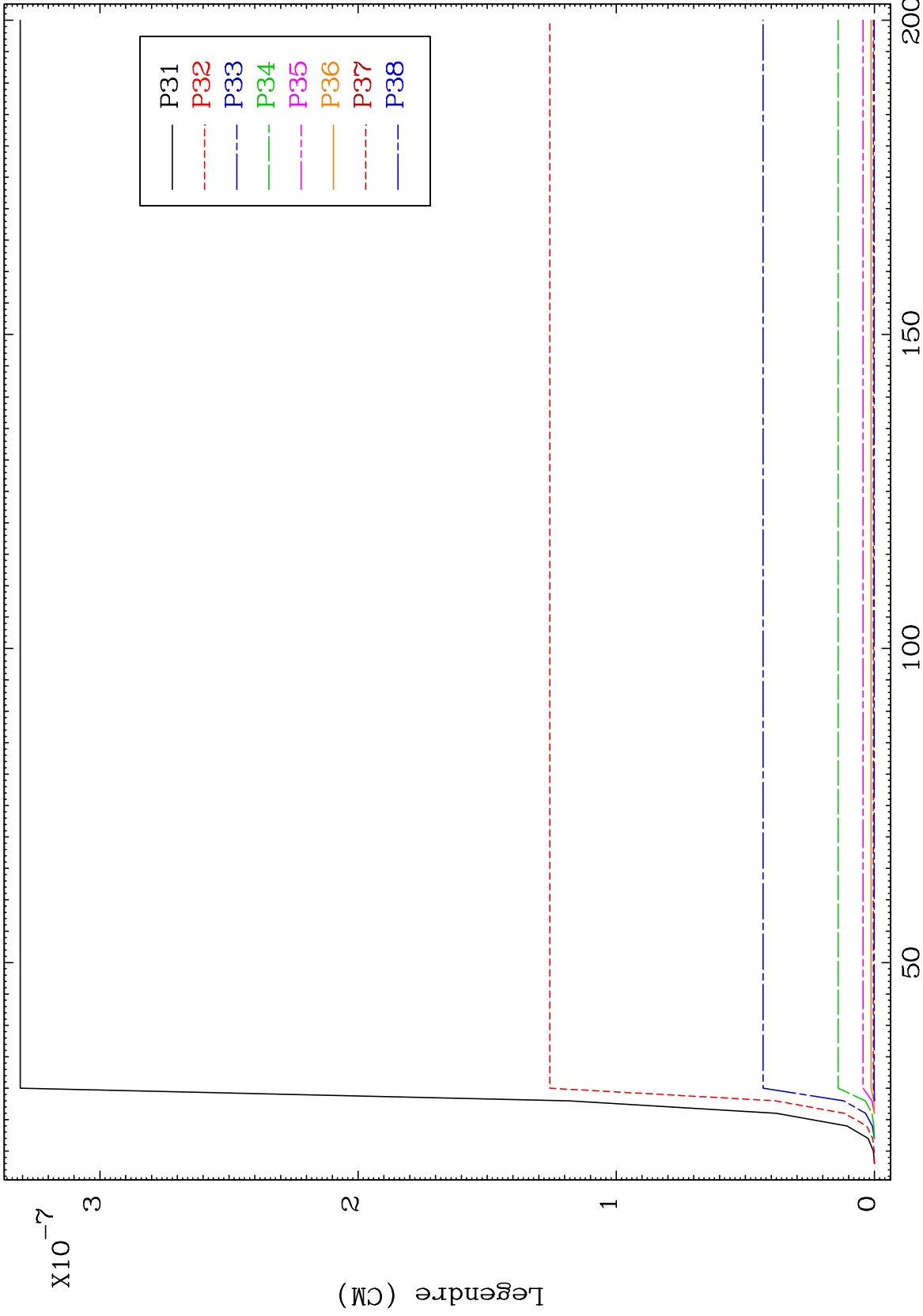
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196



77-Ir-196

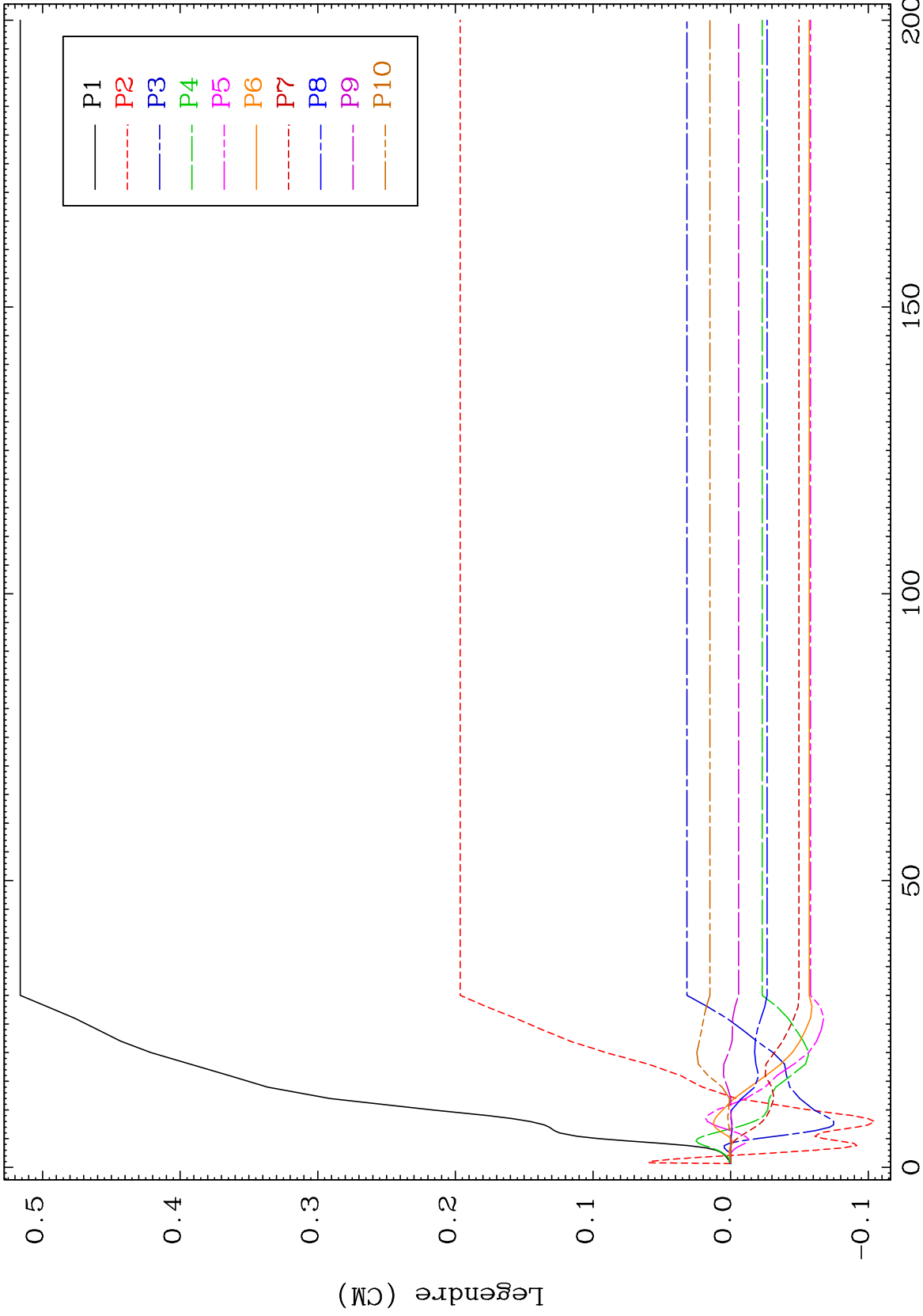
Incident Energy (MeV)

Legendre (CM)

MAT 7740

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

77-Ir-196



77-Ir-196

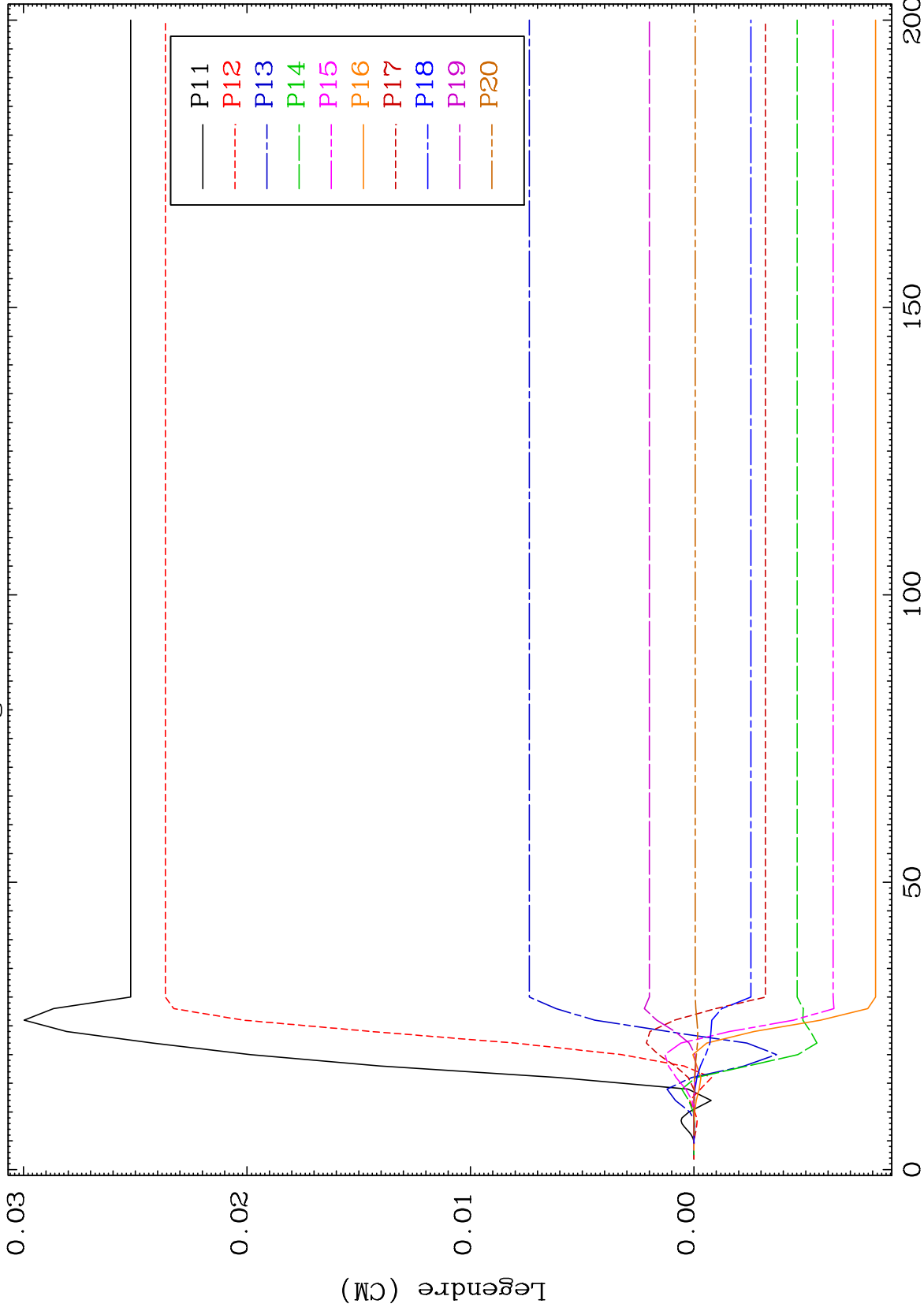
Incident Energy (MeV)

101

MAT 7740

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

77-Ir-196



102

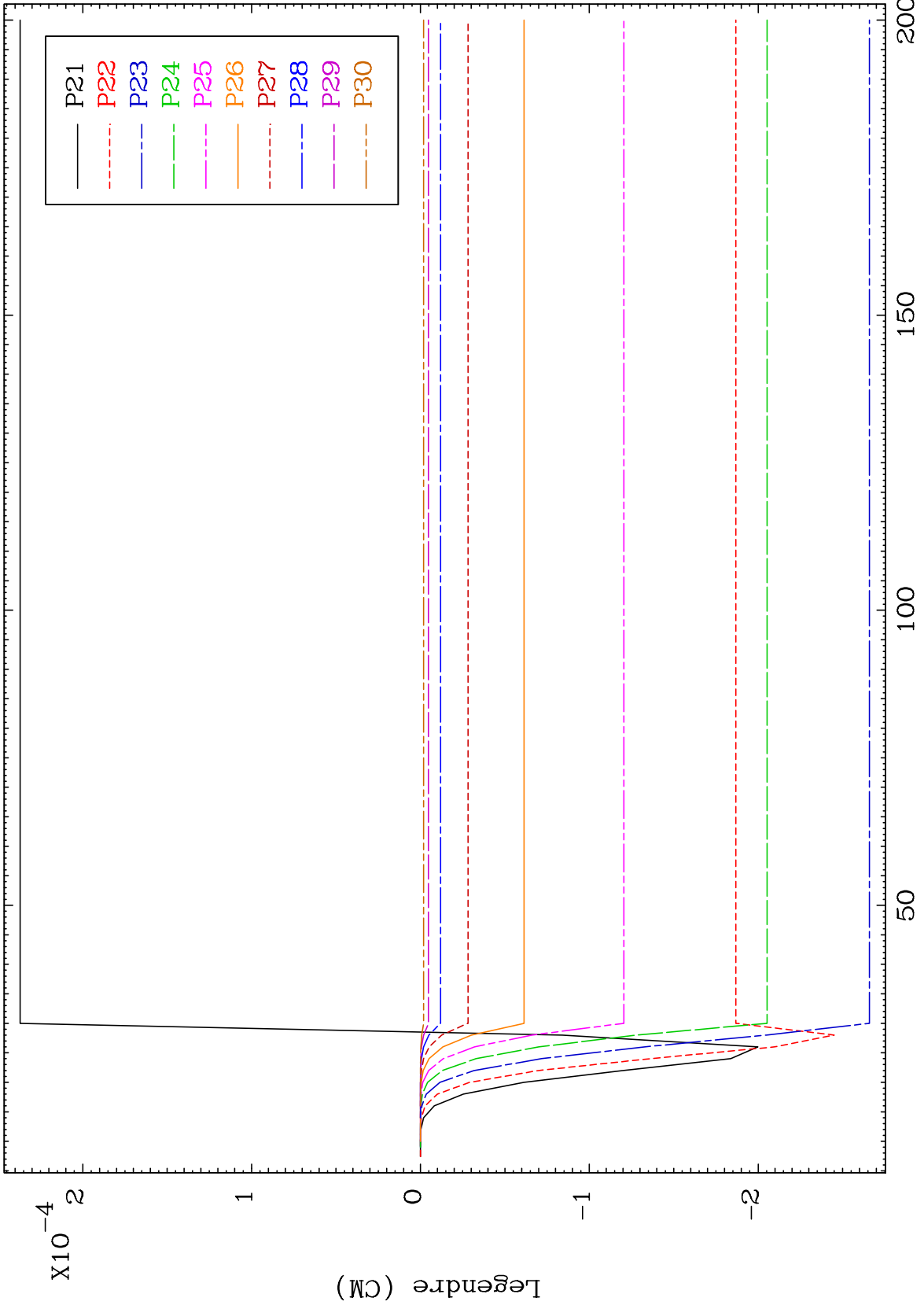
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196



103

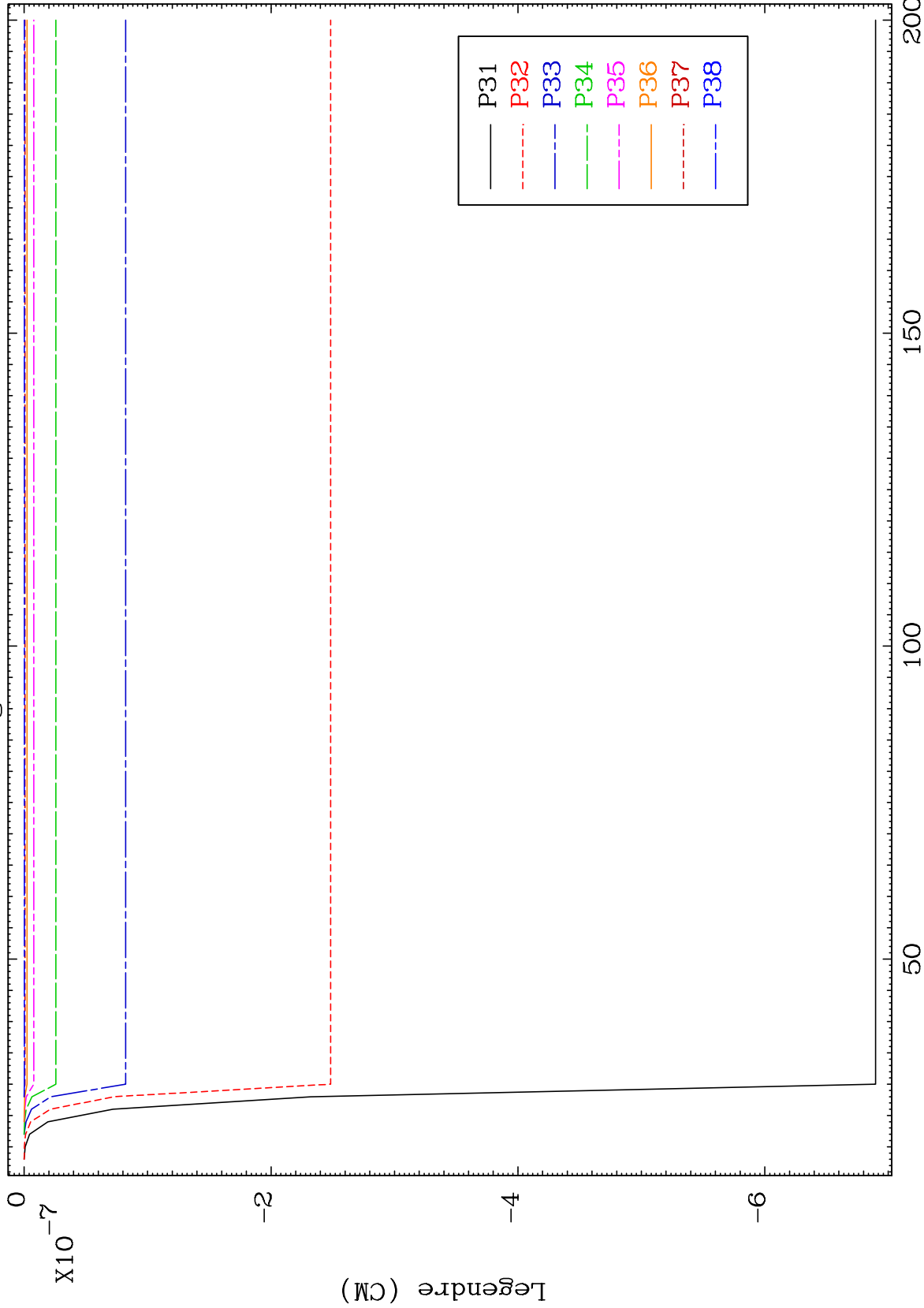
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196



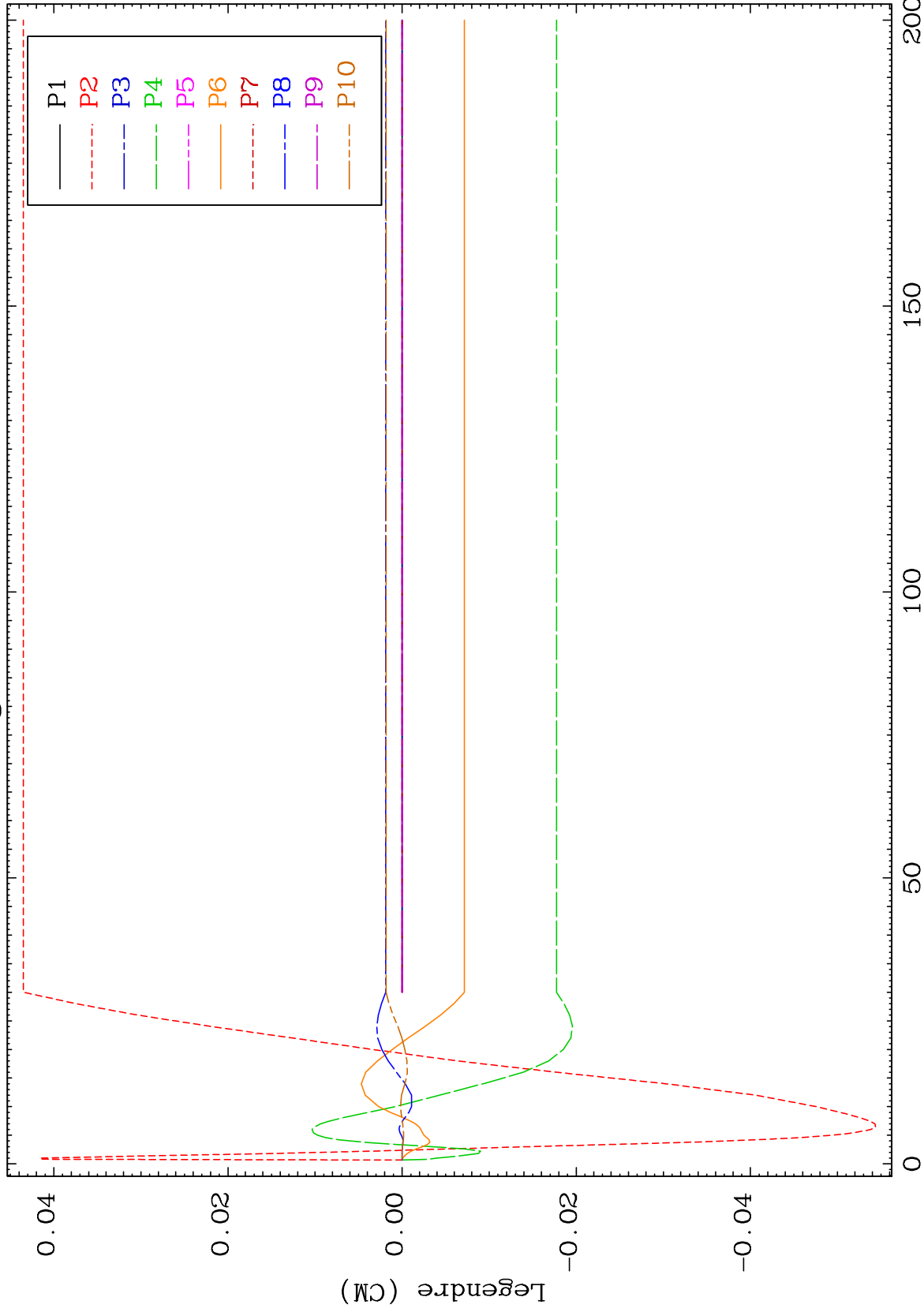
104

77-Ir-196

MAT 7740

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

77-Ir-196



77-Ir-196

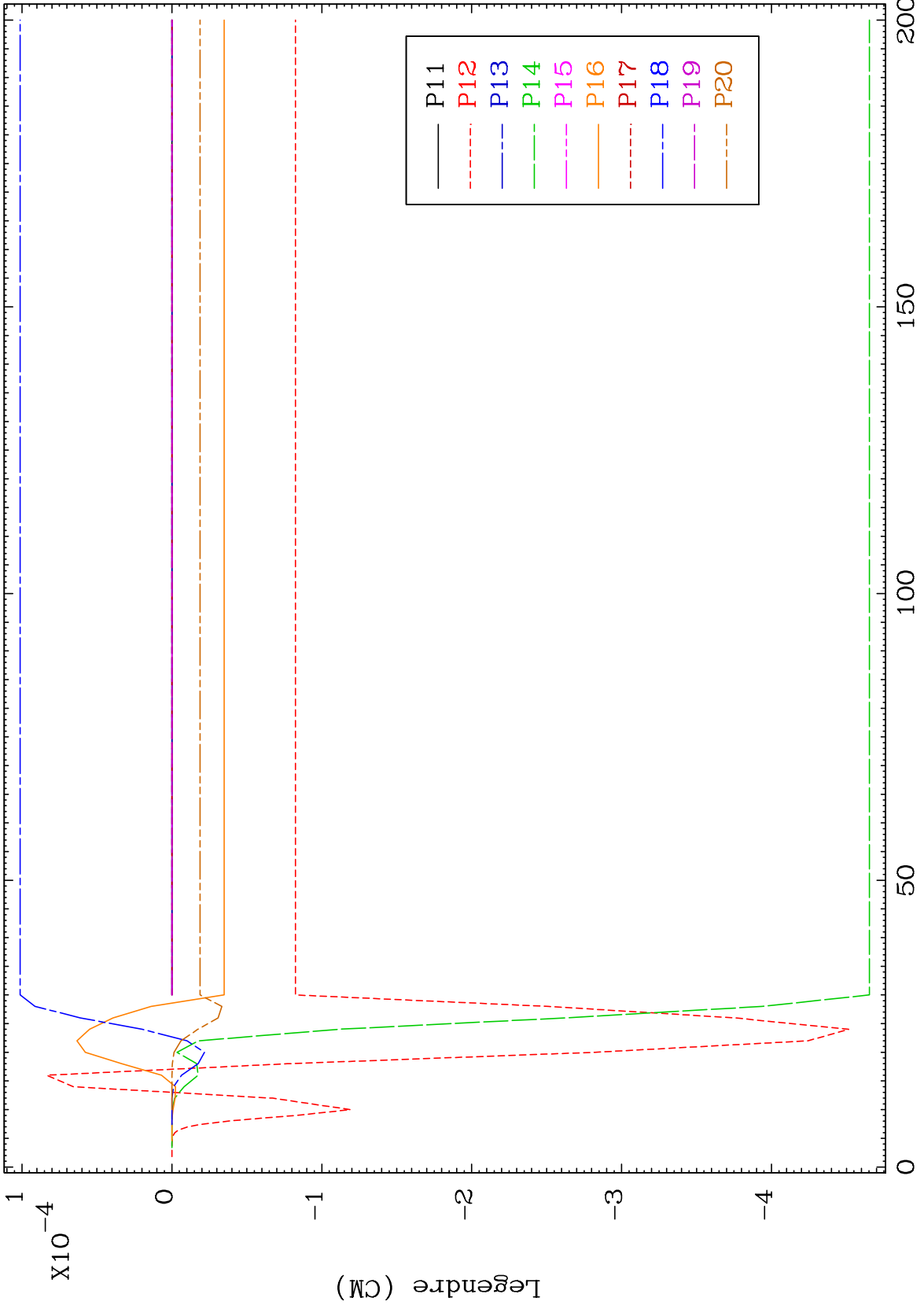
Incident Energy (MeV)

105

MAT 7740

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

77-Ir-196



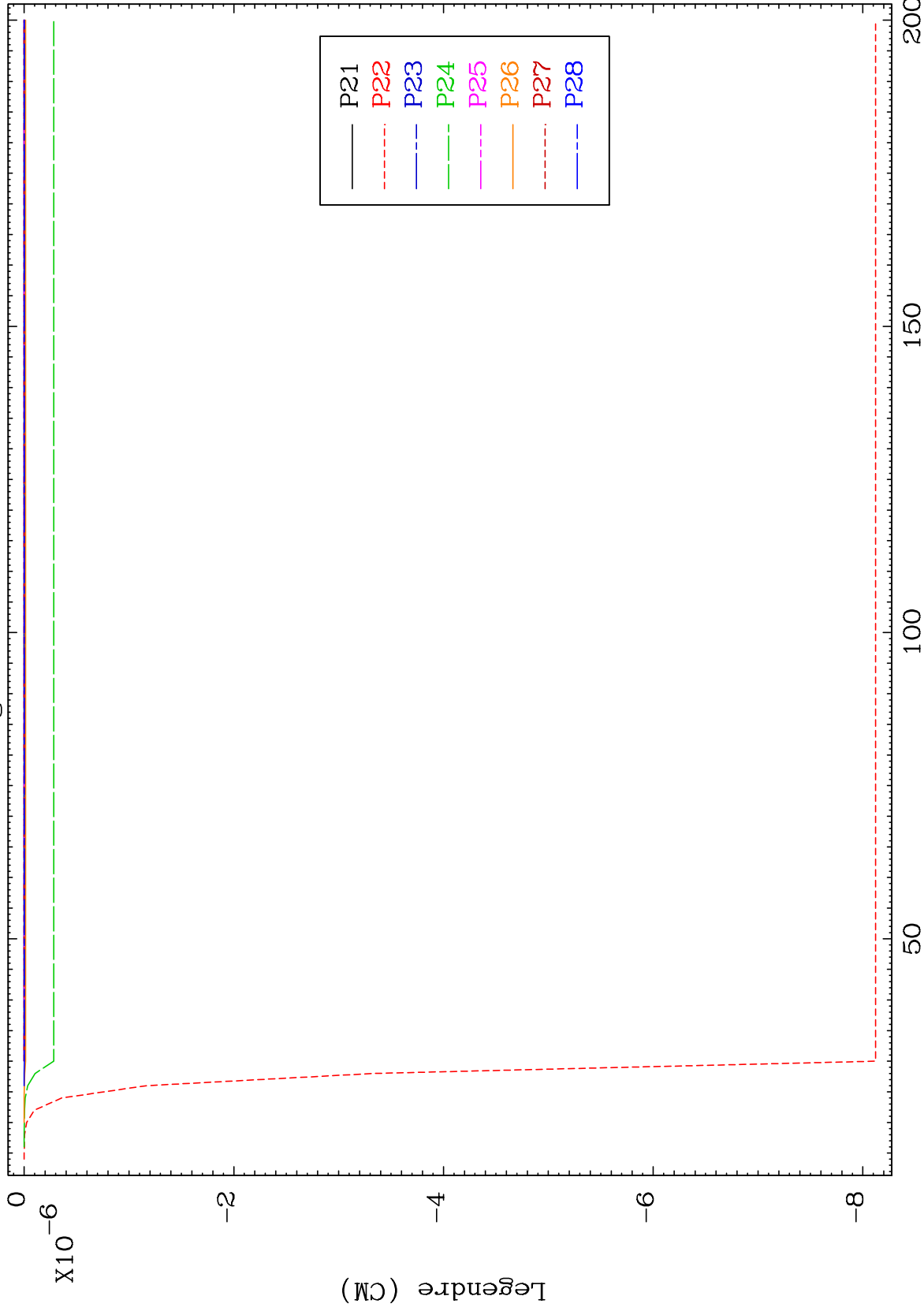
106

77-Ir-196

MAT 7740

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

77-Ir-196



107

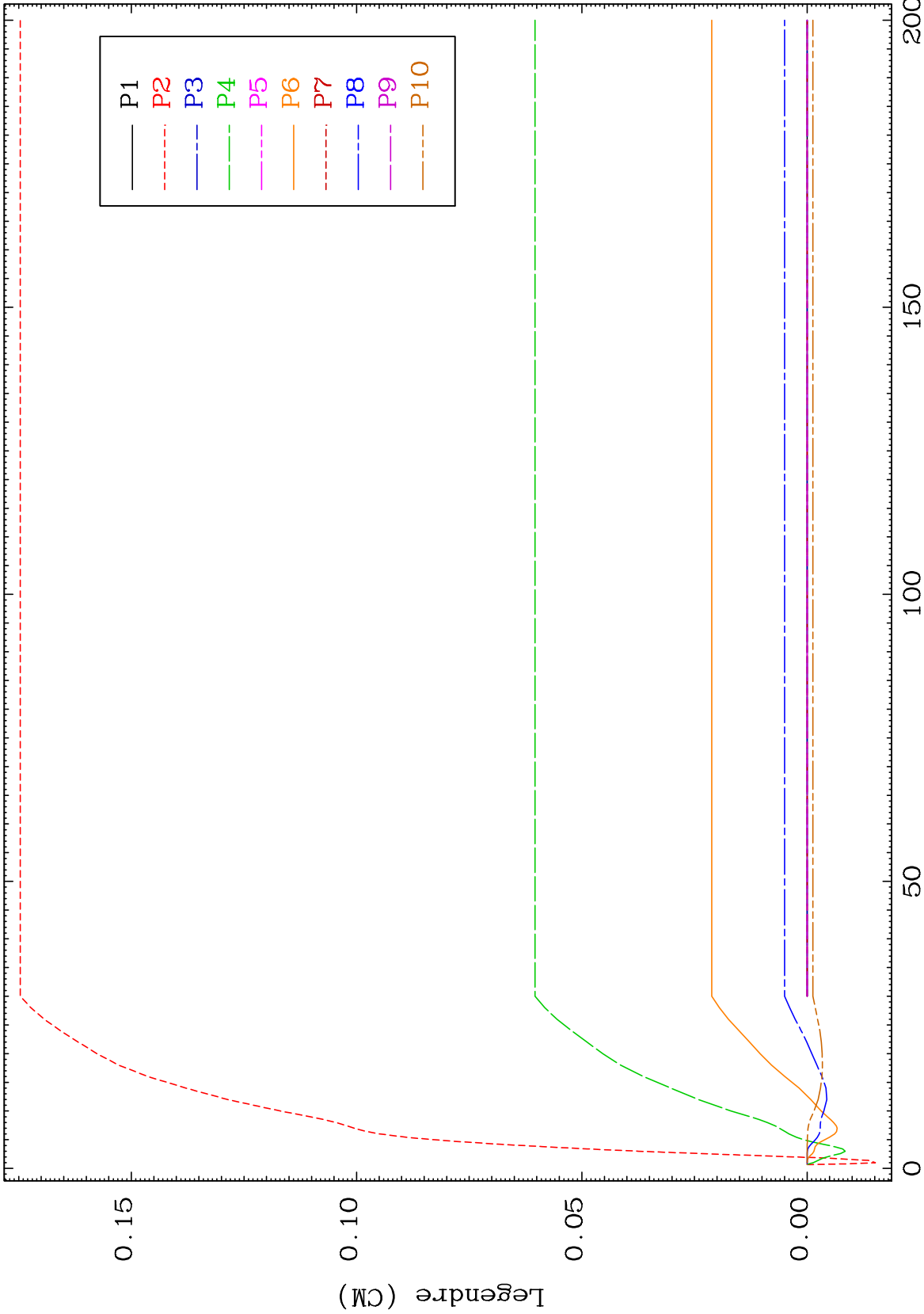
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196



108

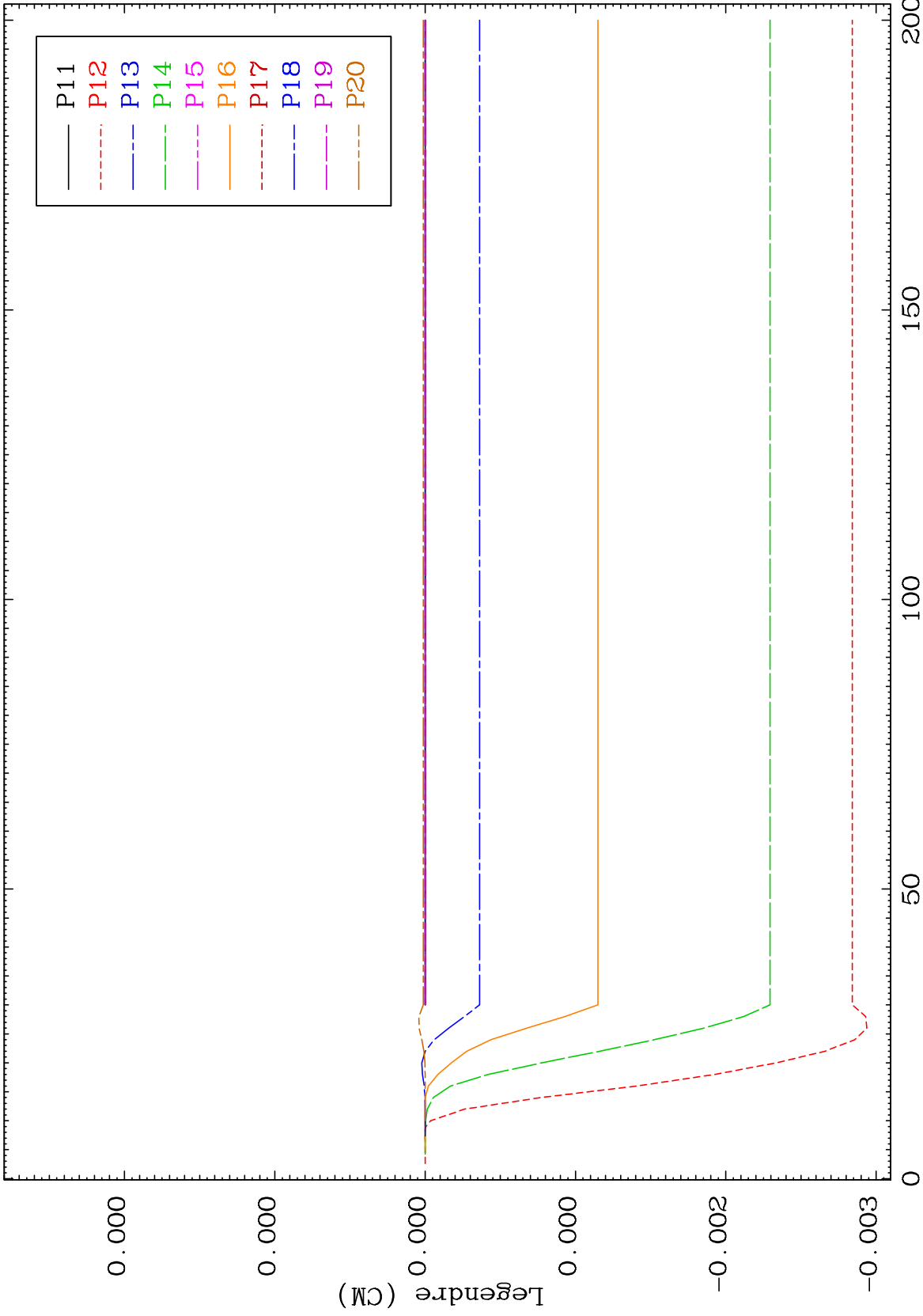
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196

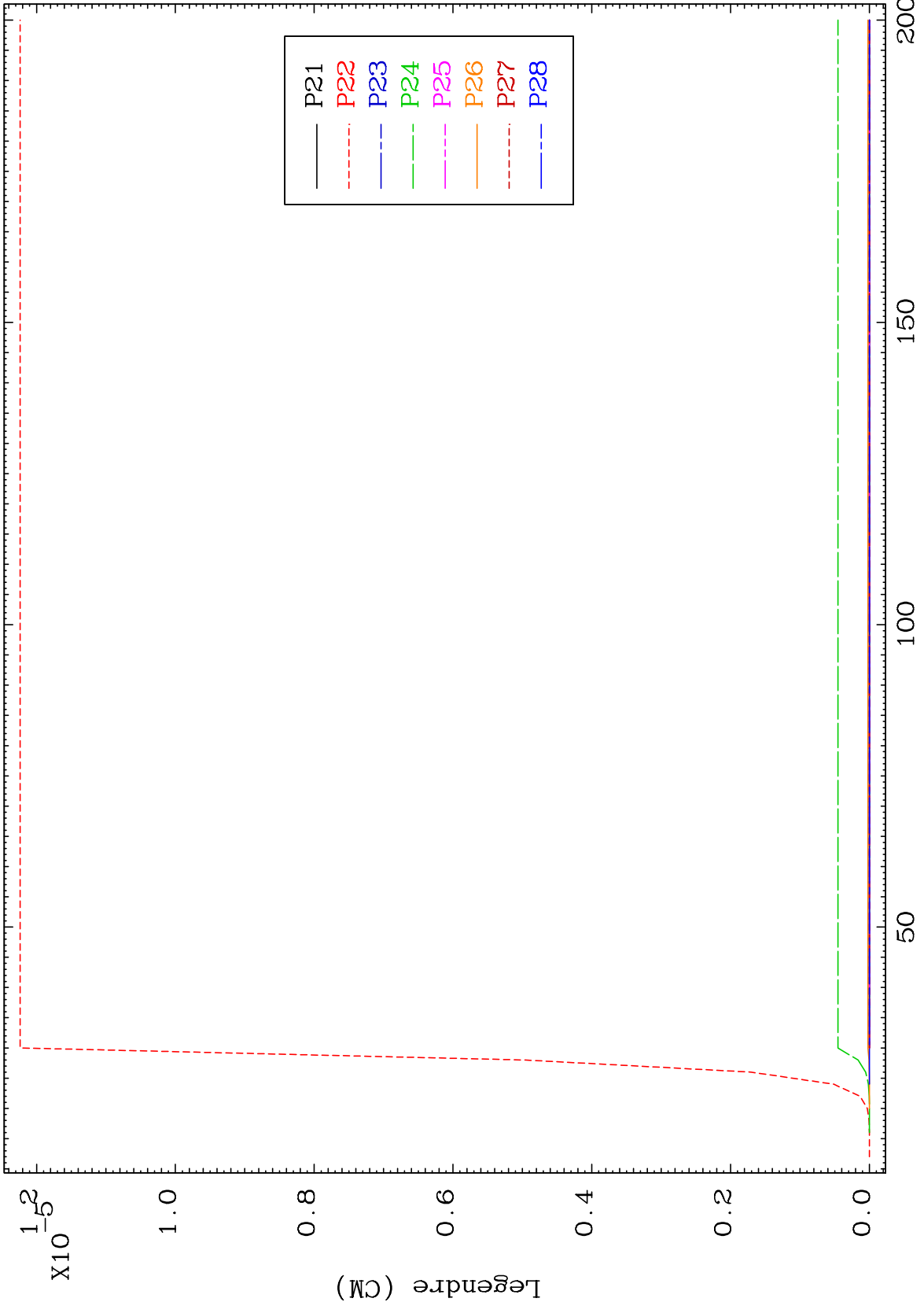


109

Incident Energy (MeV)

77-Ir-196

MAT 7740 MT= 75 (n,n') Level Legendre Coefficients 77-Ir-196

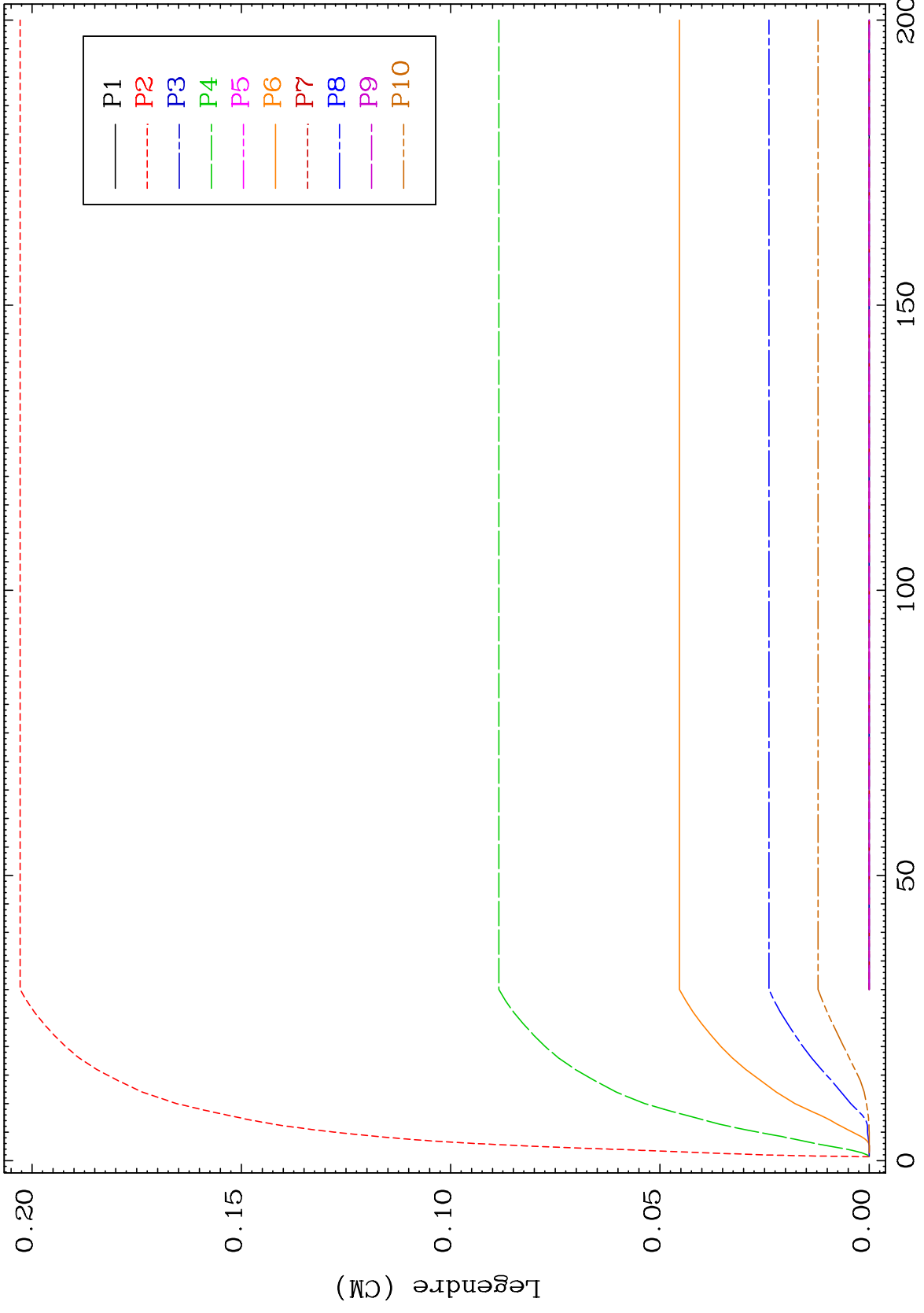


77-Ir-196

MAT 7740

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

77-Ir-196



111

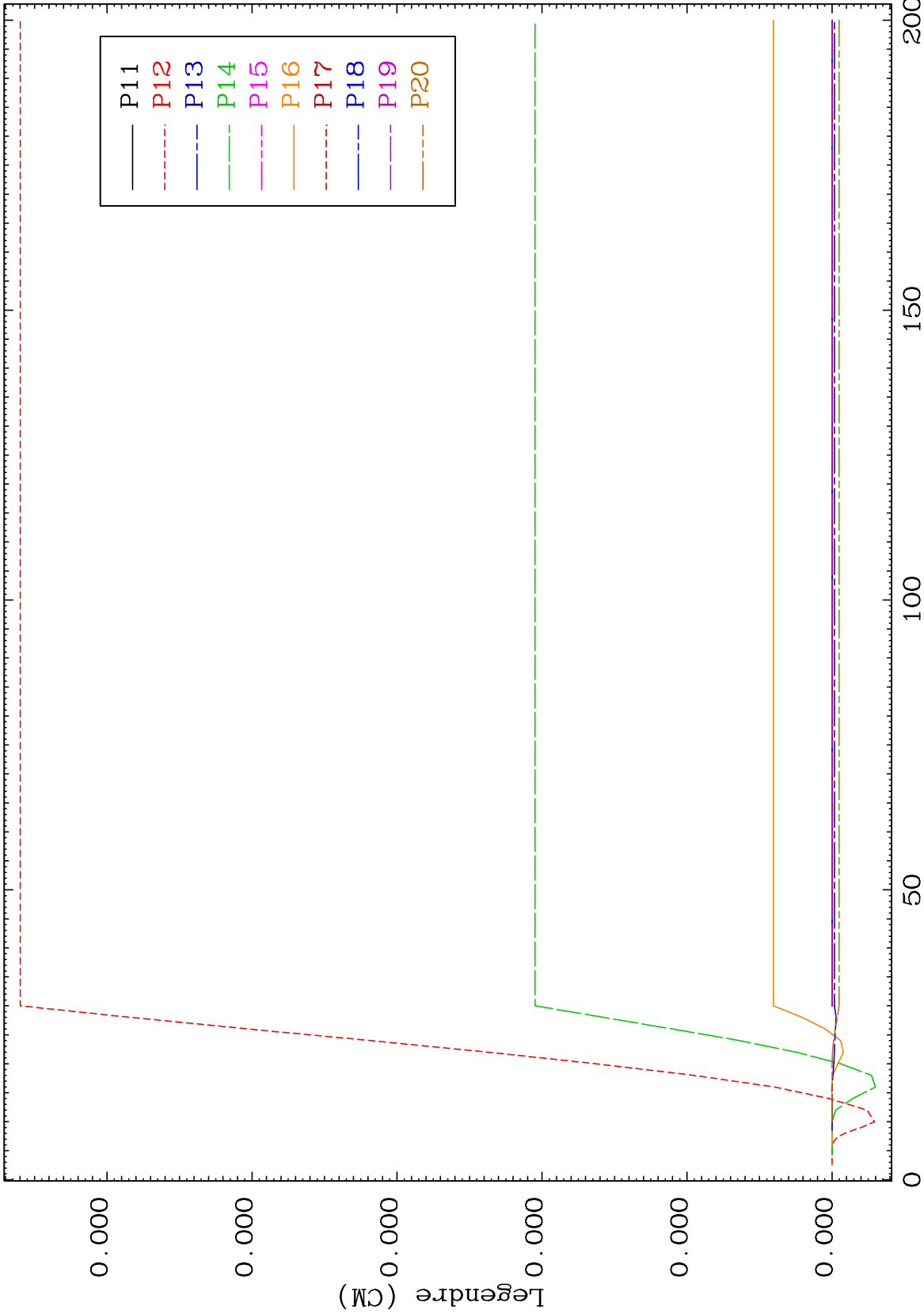
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196



112

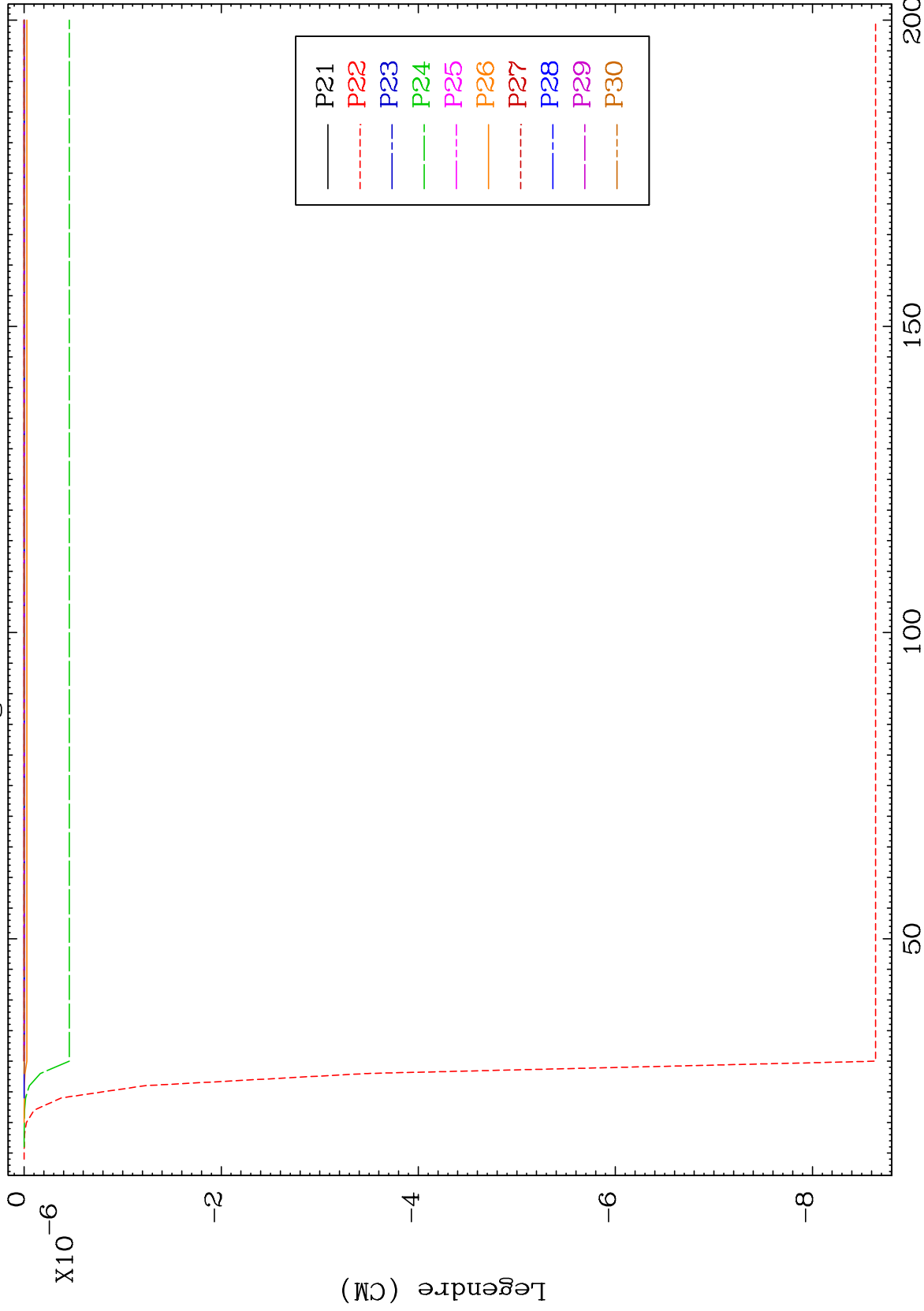
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196



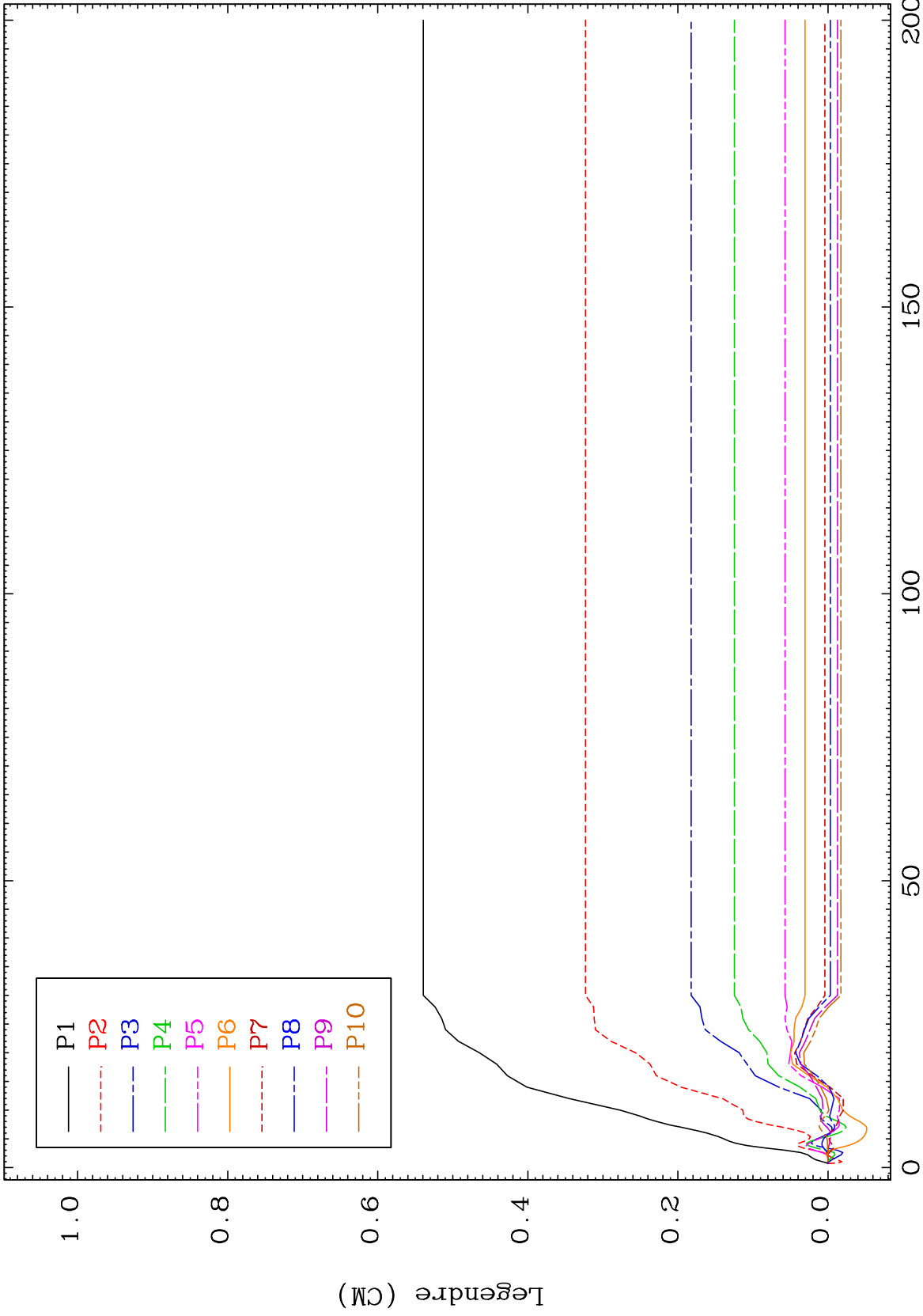
113

77-Ir-196

MAT 7740

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

77-Ir-196



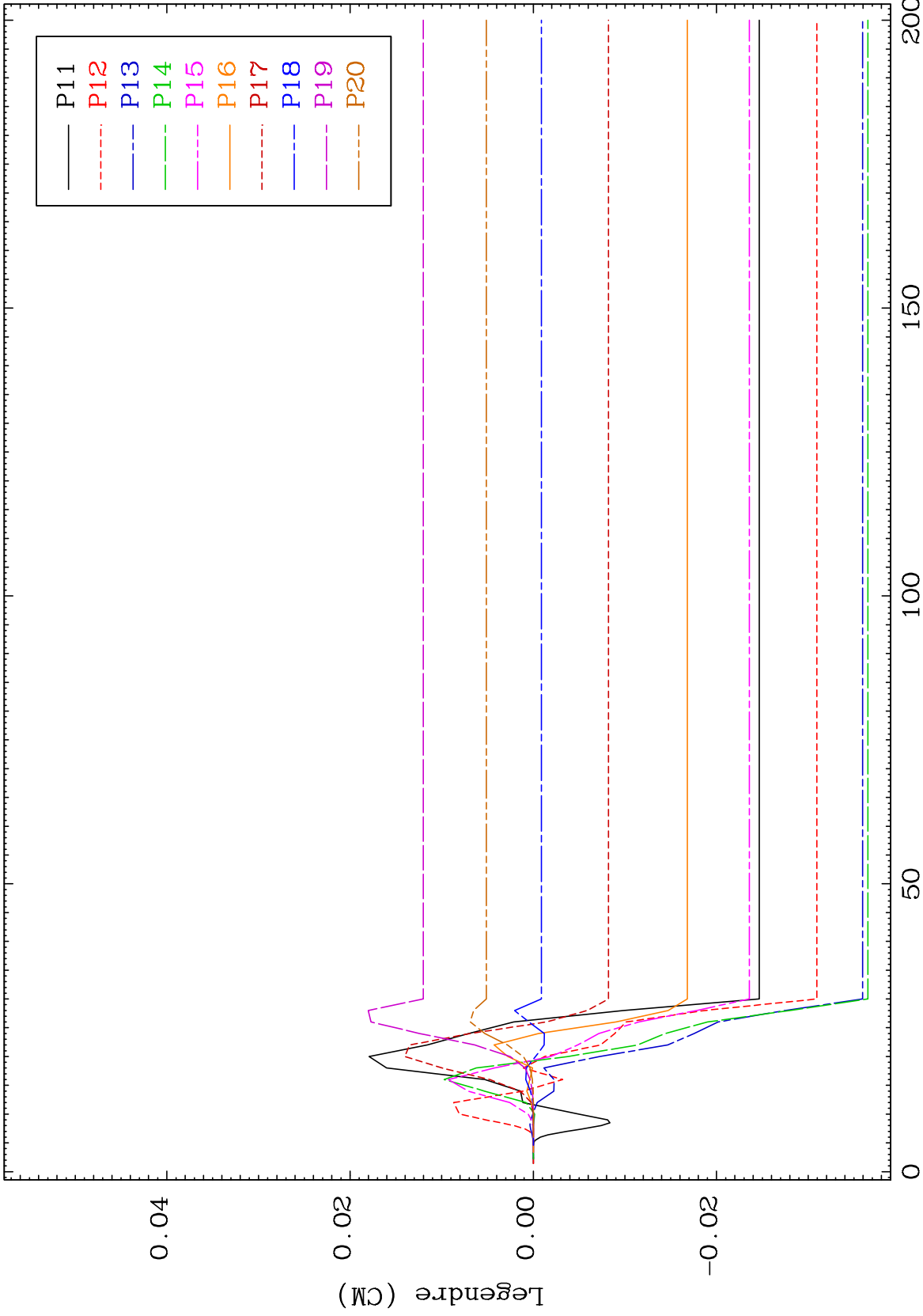
114

77-Ir-196

MAT 7740

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

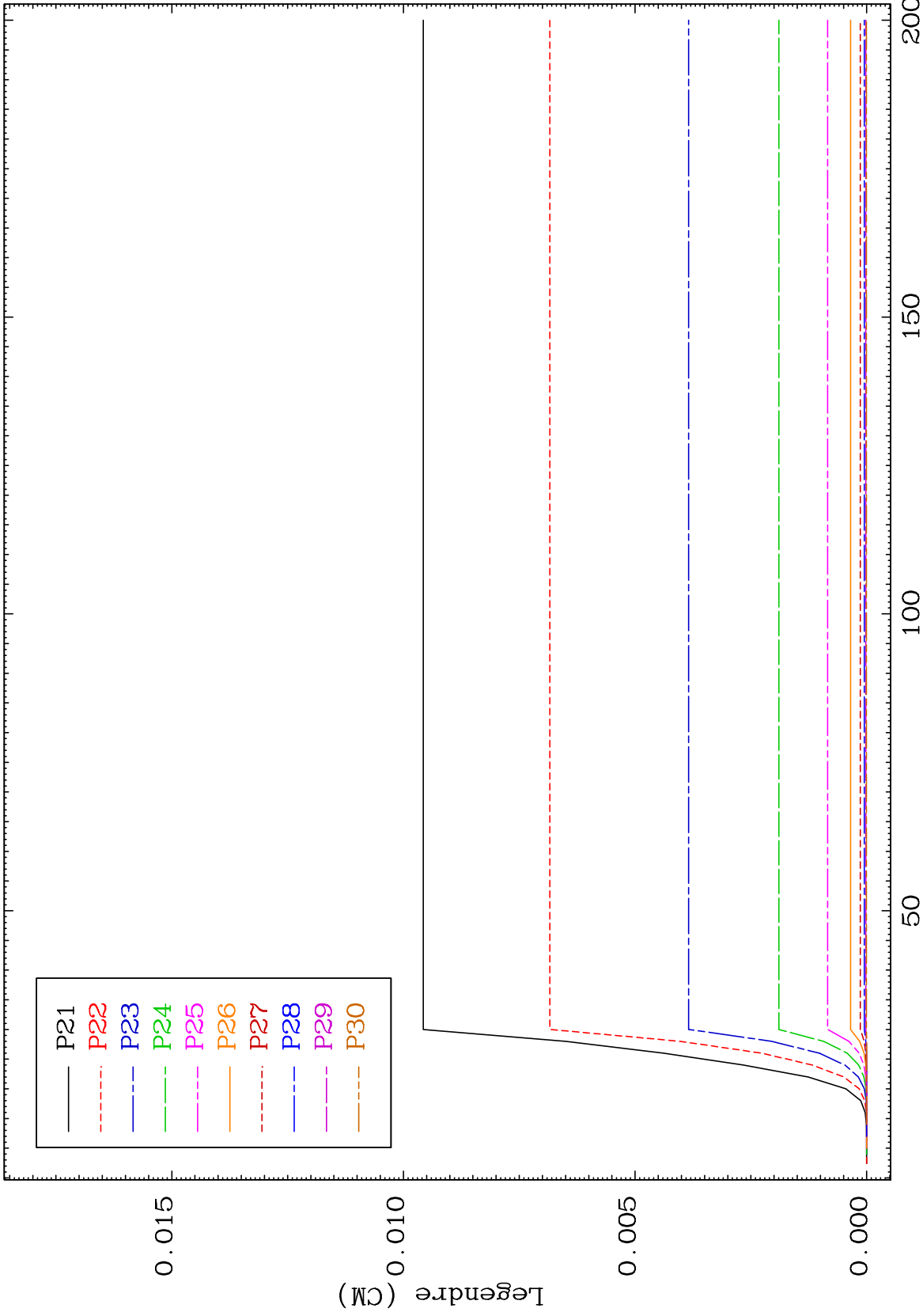
77-Ir-196



115

Incident Energy (MeV)

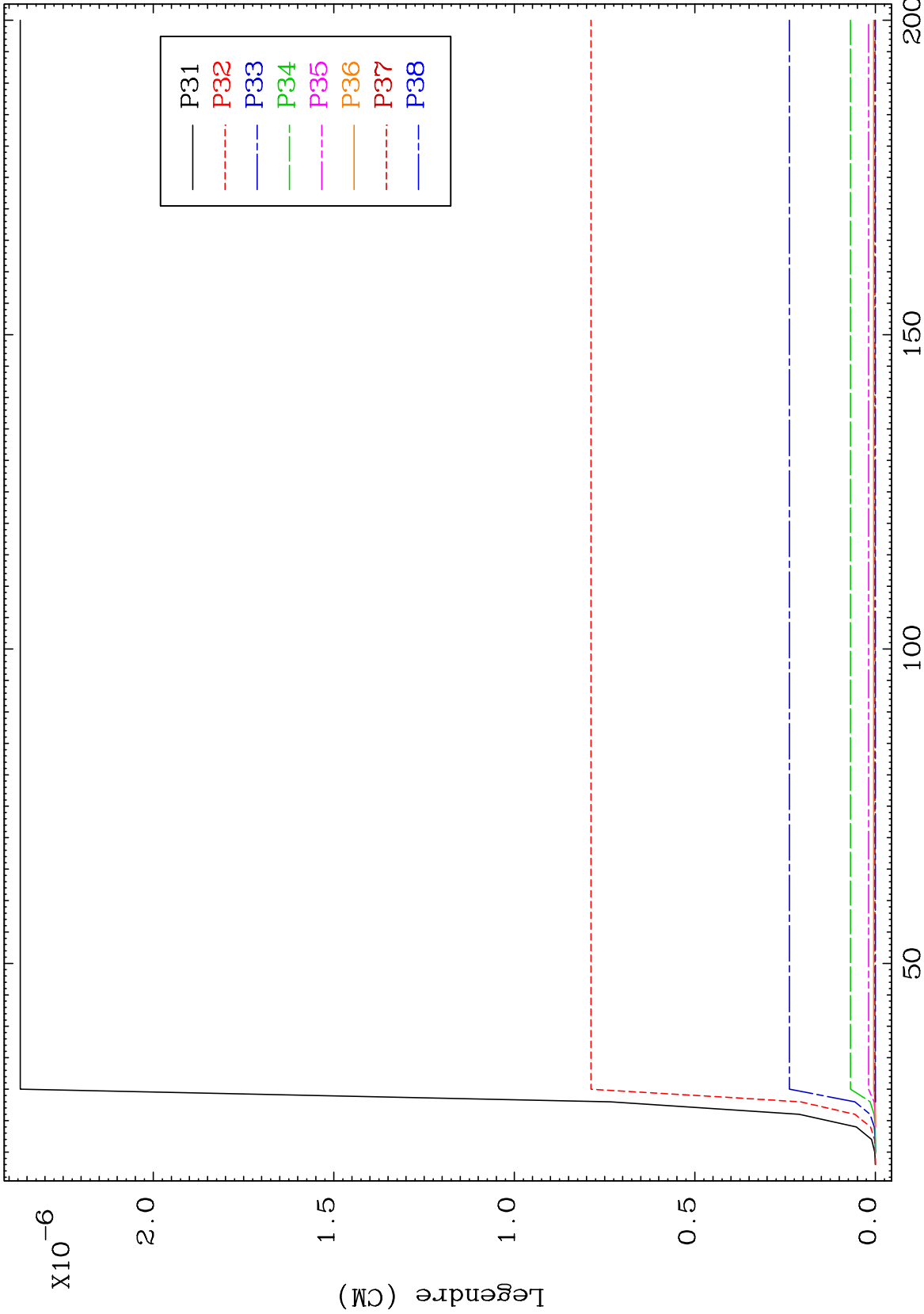
77-Ir-196



MAT 7740

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

77-Ir-196



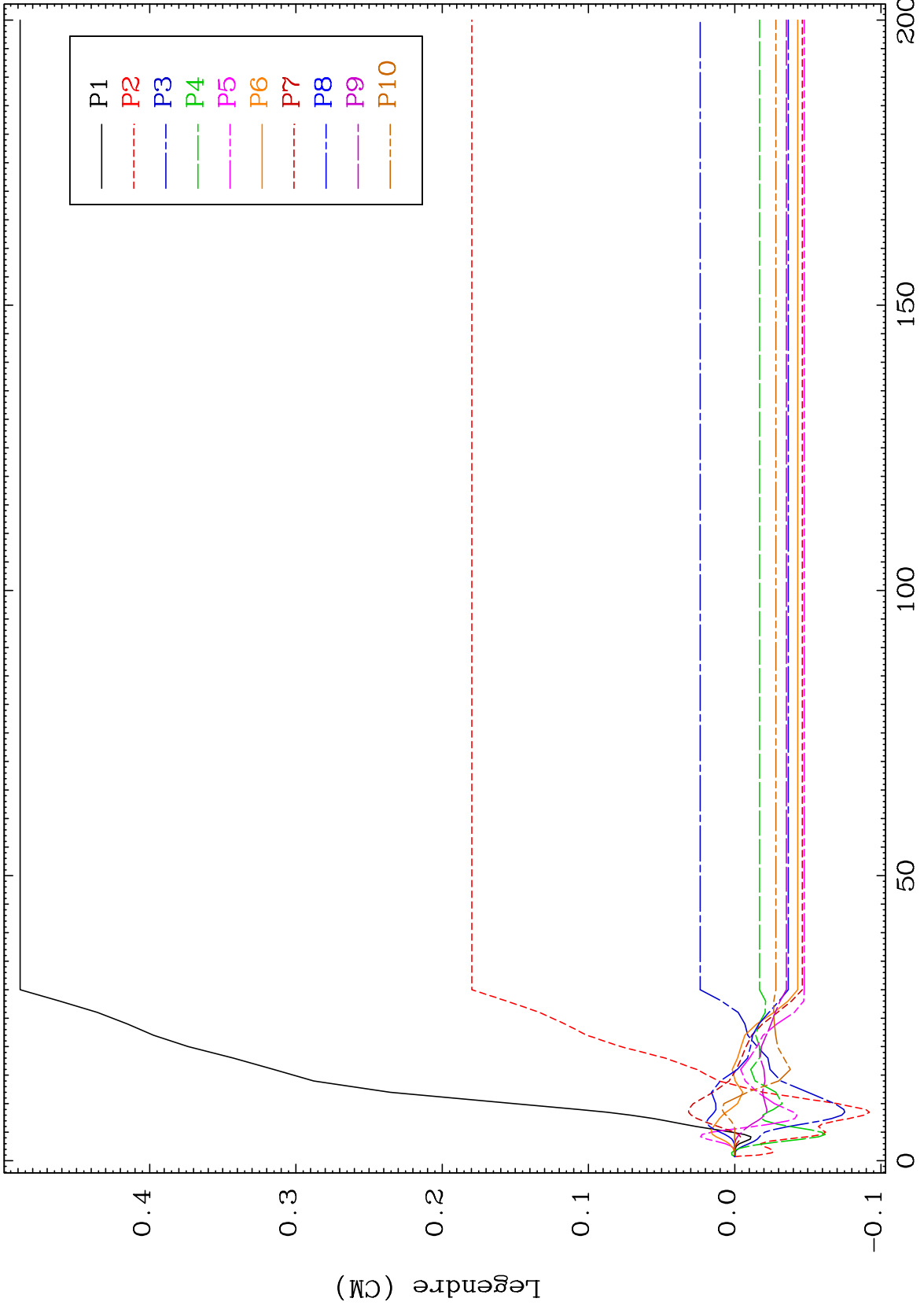
117

77-Ir-196

MAT 7740

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

77-Ir-196



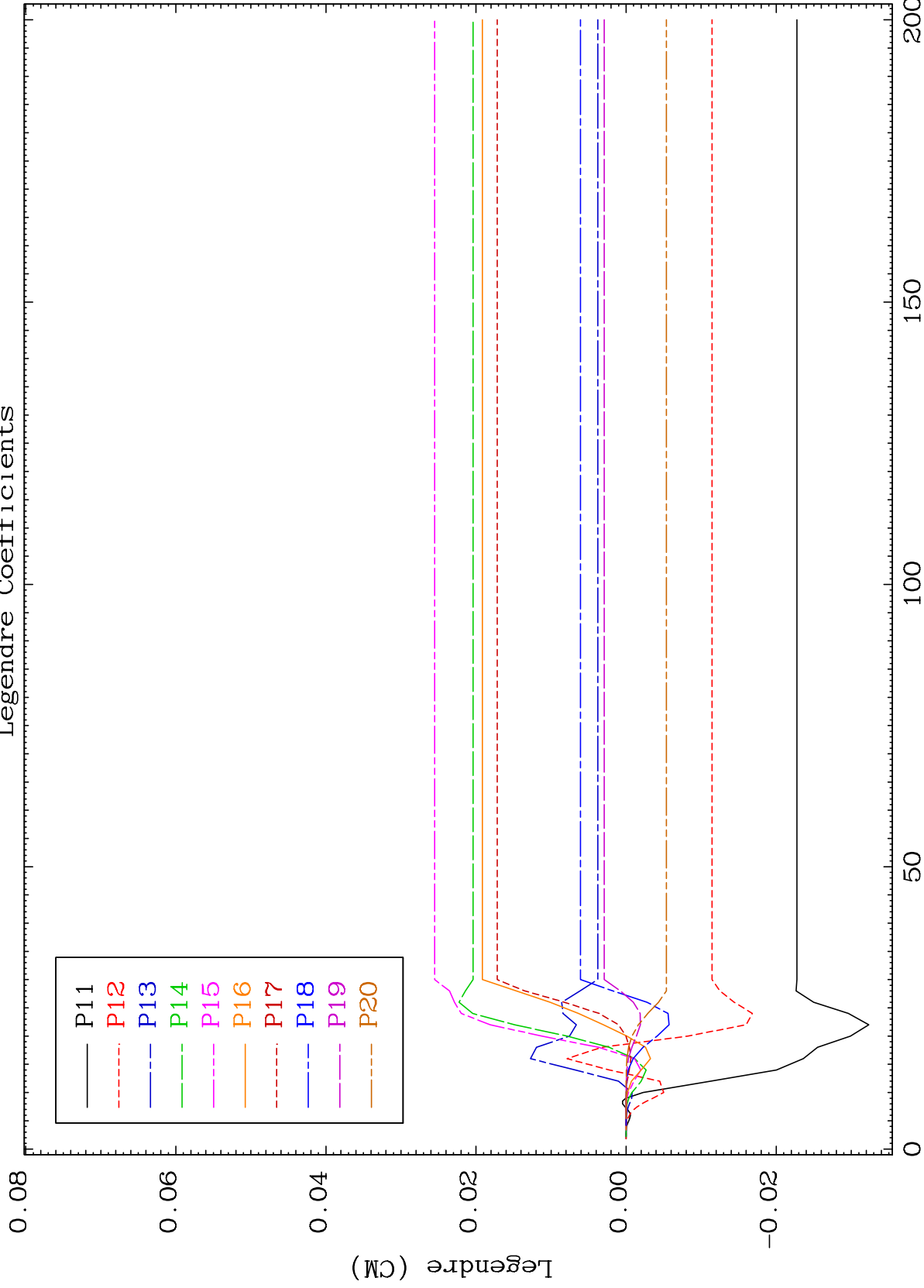
118

77-Ir-196

MAT 7740

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

77-Ir-196

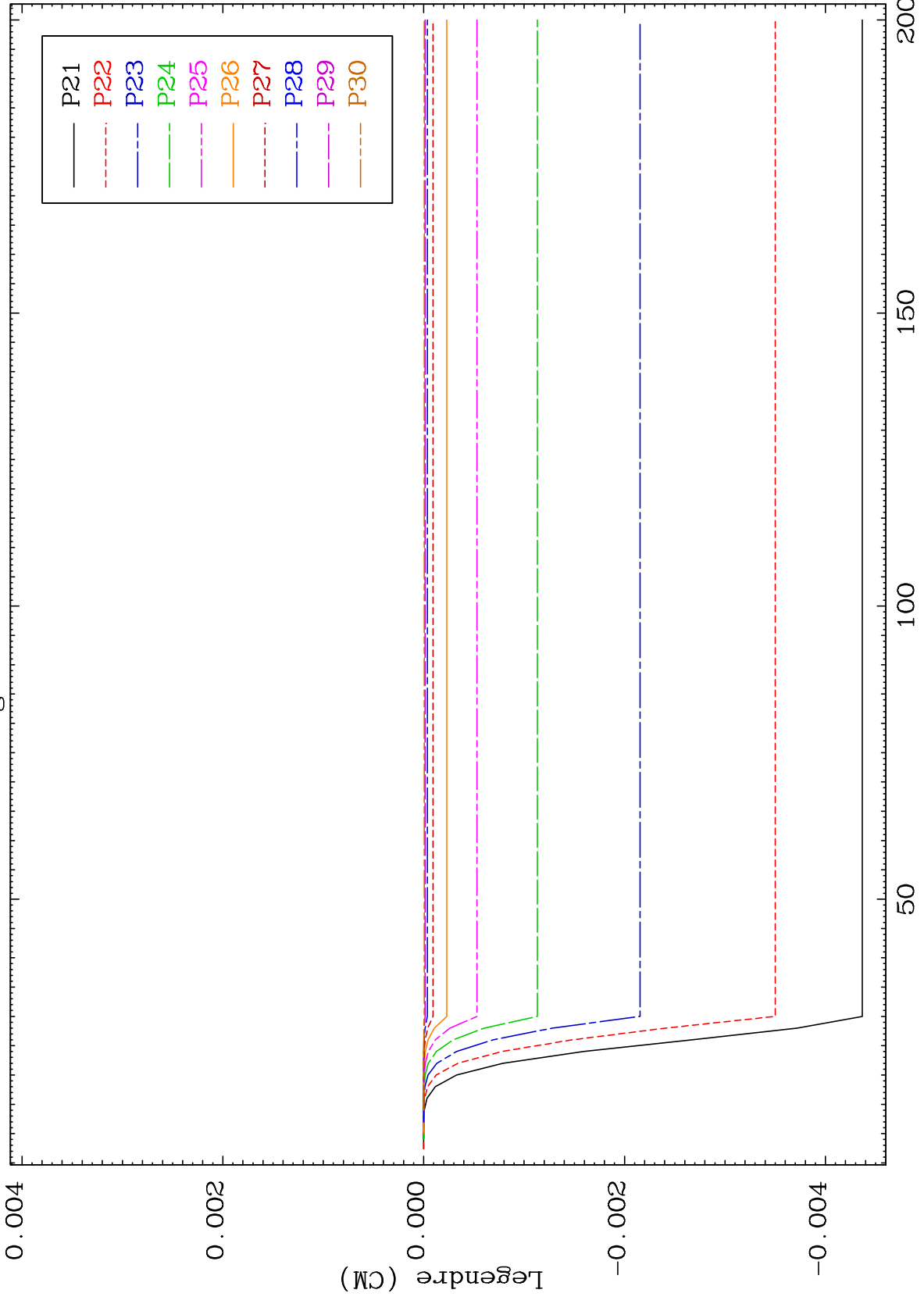


119

Incident Energy (MeV)

77-Ir-196

MAT 7740 MT= 78 (n,n') Level Legendre Coefficients 77-Ir-196

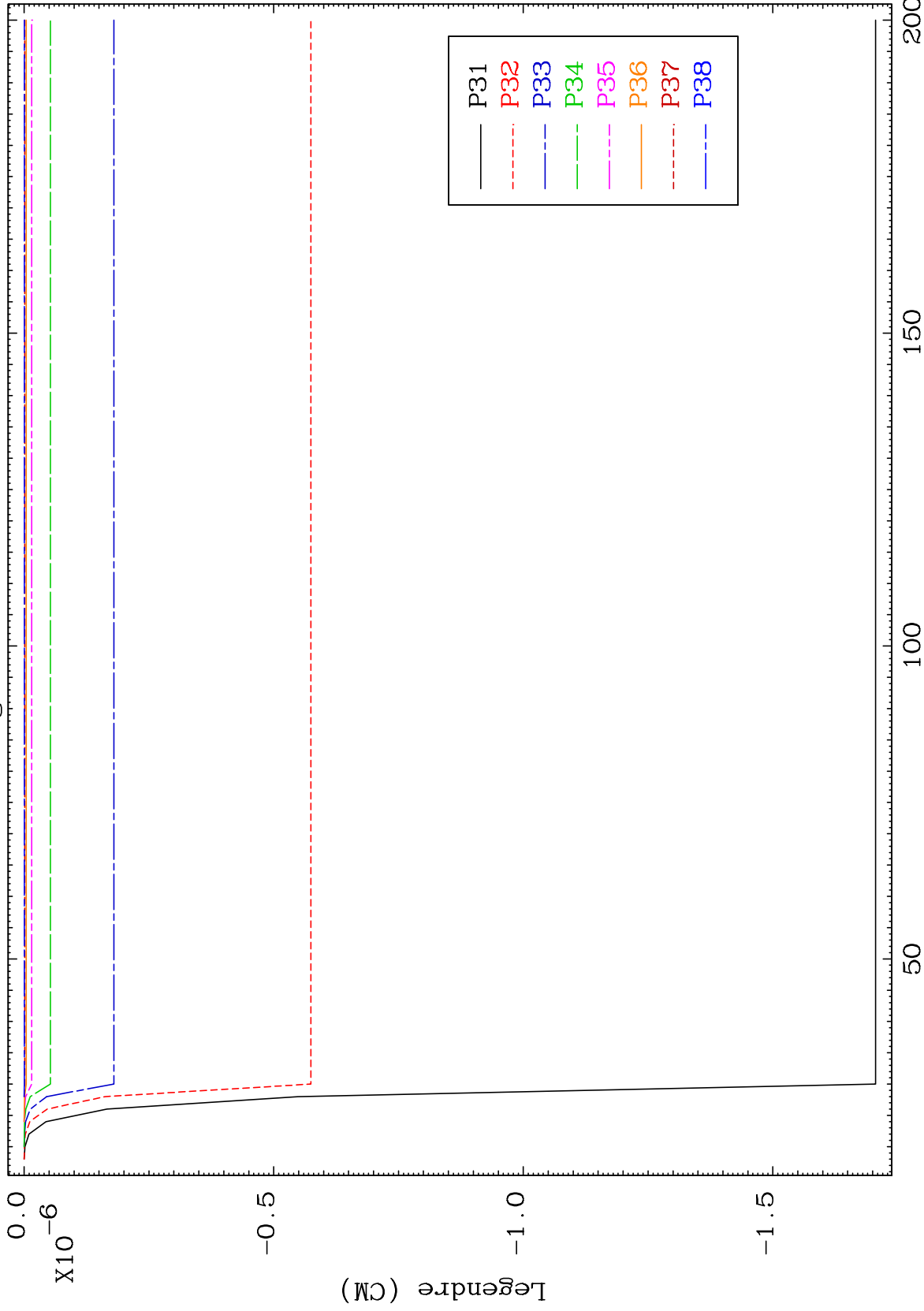


120 Incident Energy (MeV) 77-Ir-196

MAT 7740

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

77-Ir-196



77-Ir-196

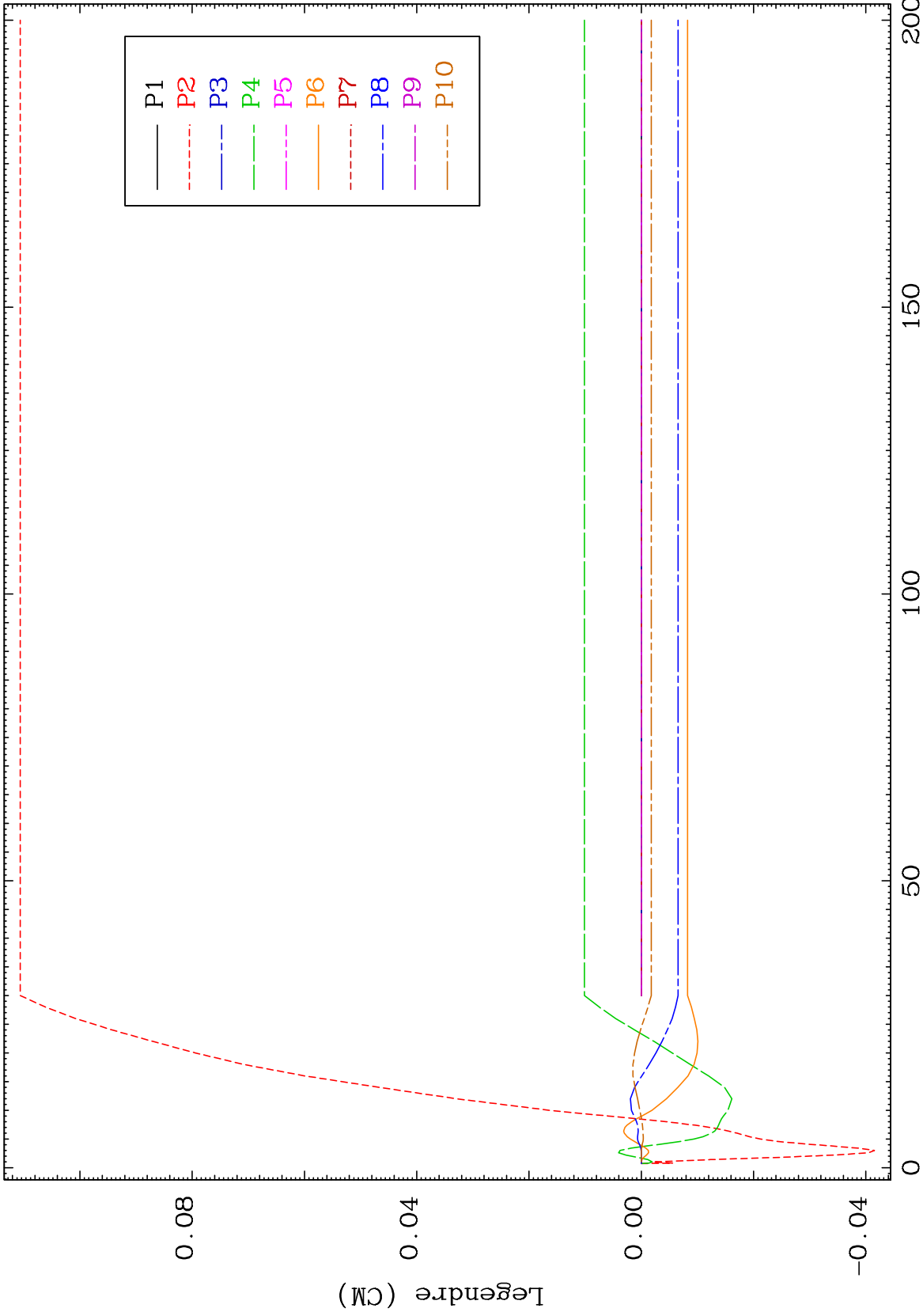
Incident Energy (MeV)

121

MAT 7740

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

77-Ir-196



122

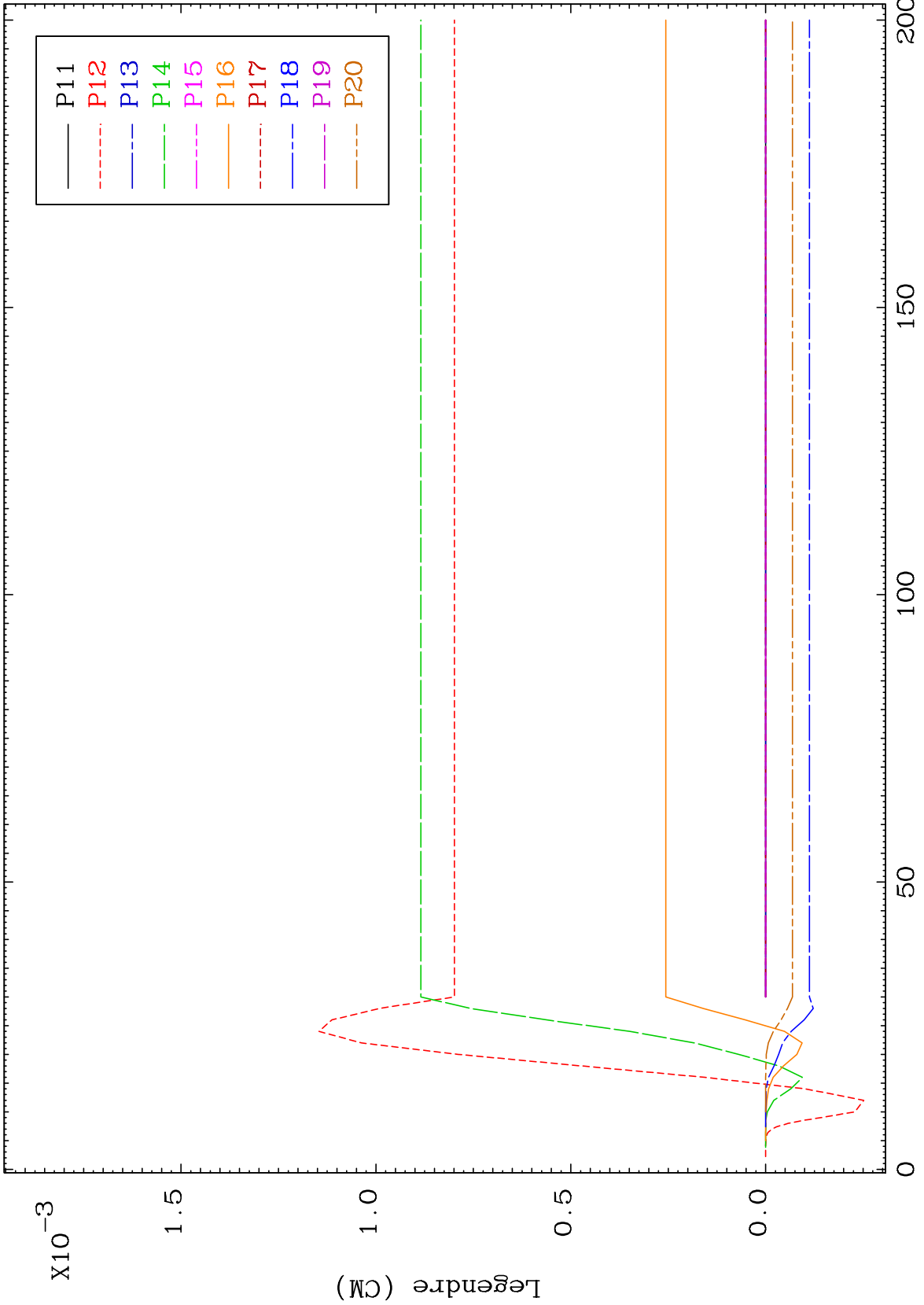
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196

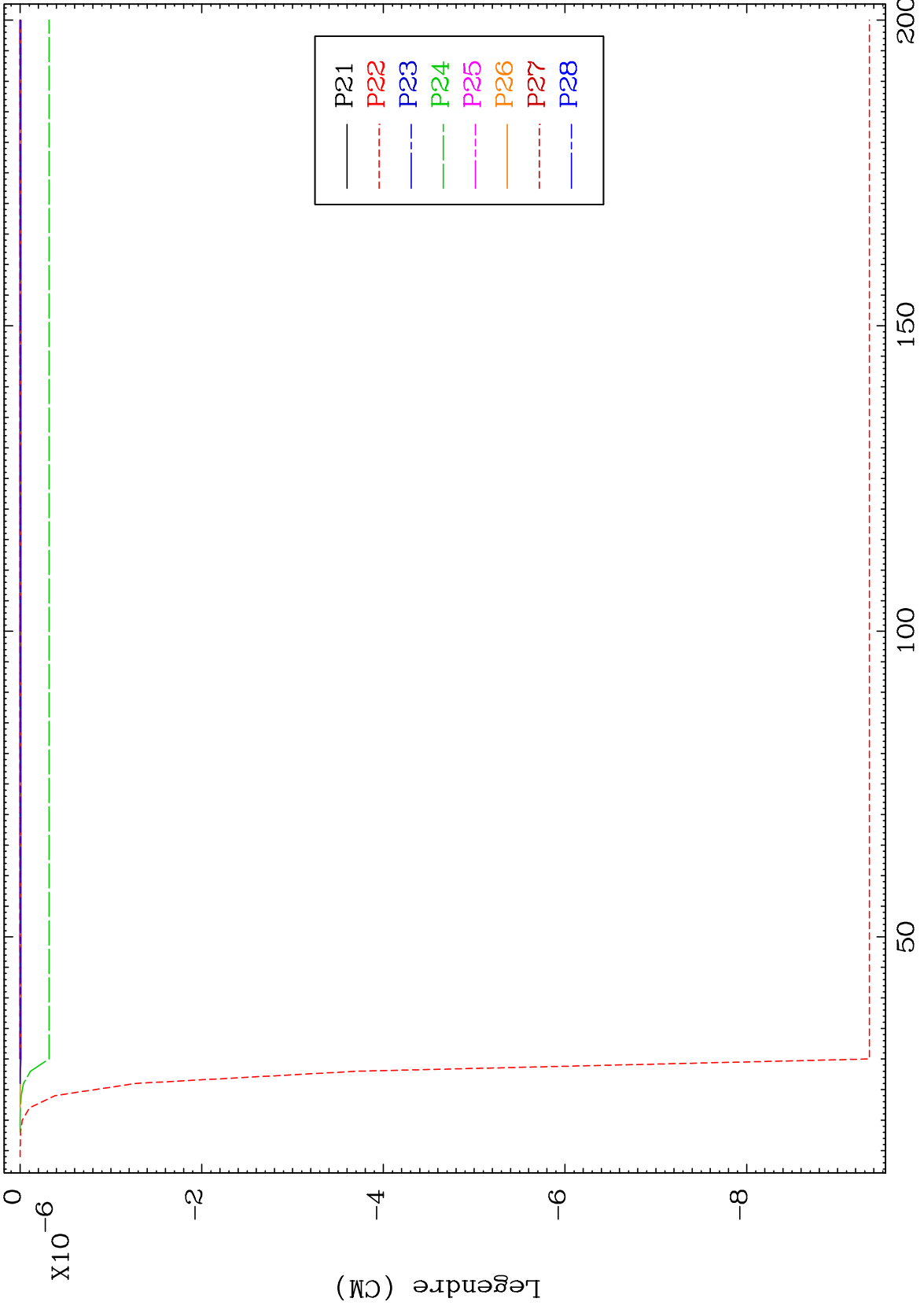


123

Incident Energy (MeV)

77-Ir-196

MAT 7740 MT= 79 (n,n') Level Legendre Coefficients 77-Ir-196

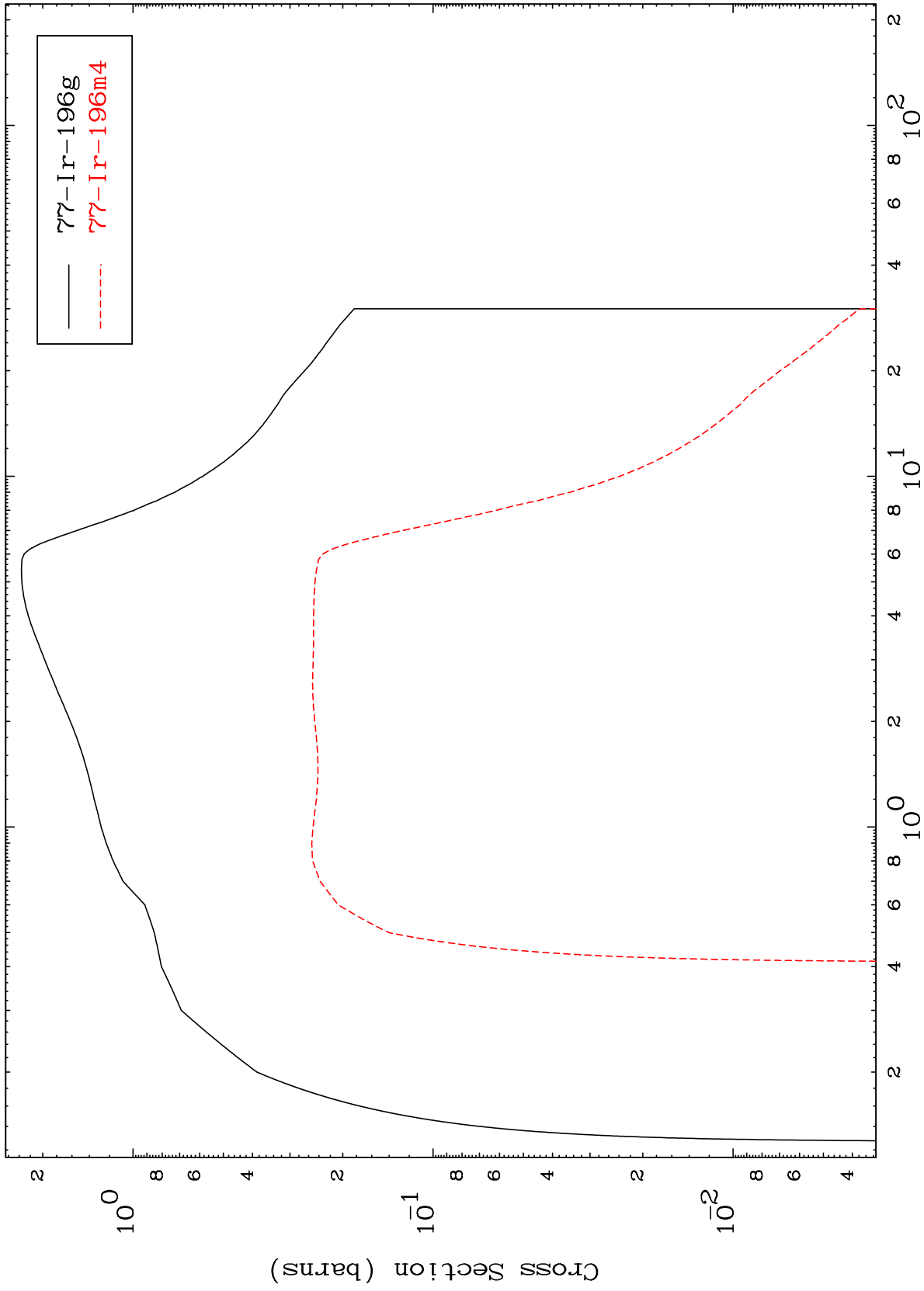


124 77-Ir-196

MAT 7740

Inelastic
Radionuclide Production Cross Section

77-Ir-196



125

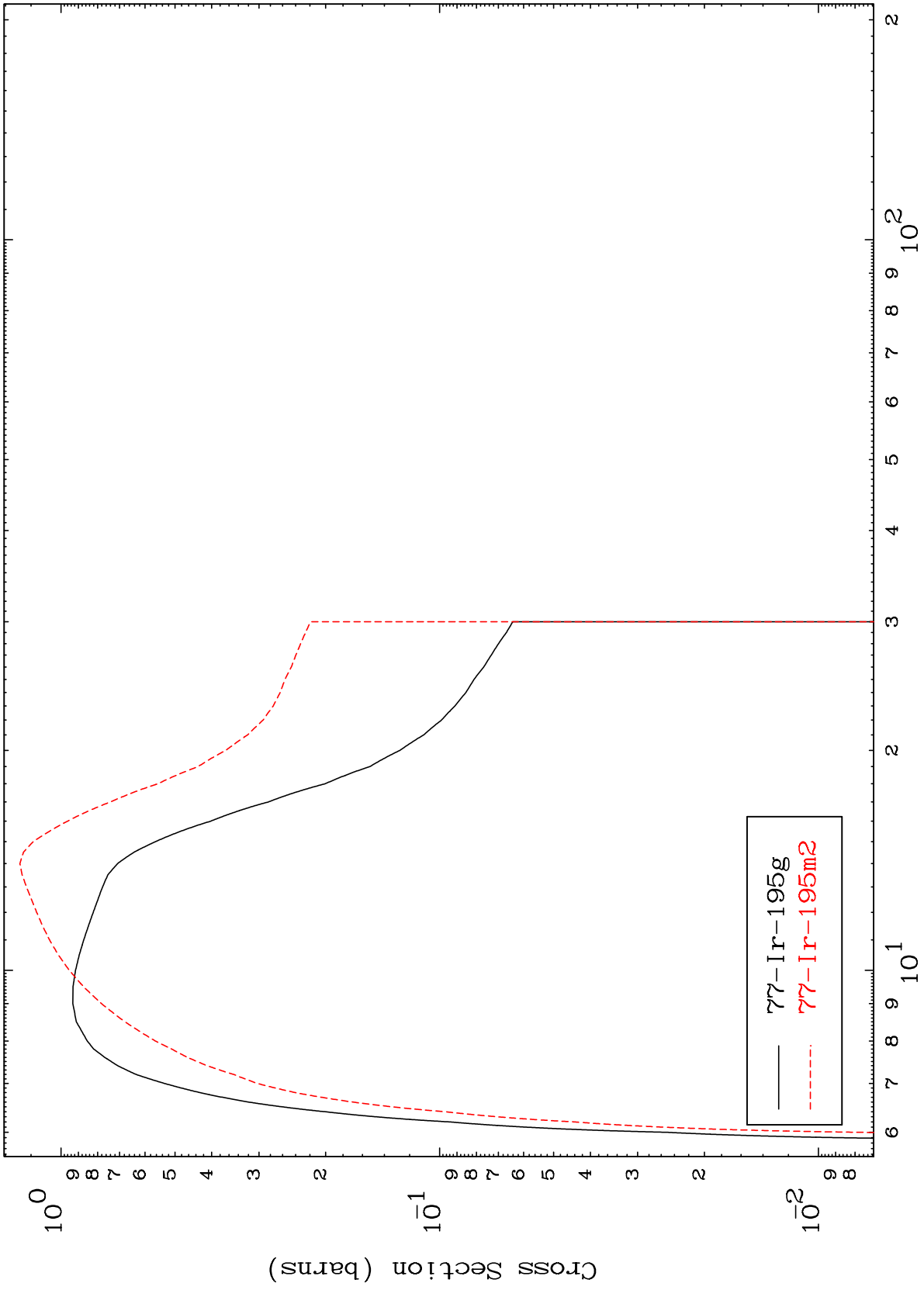
Incident Energy (MeV)

77-Ir-196

MAT 7740

77-Ir-196

(n,2n)
Radionuclide Production Cross Section



126

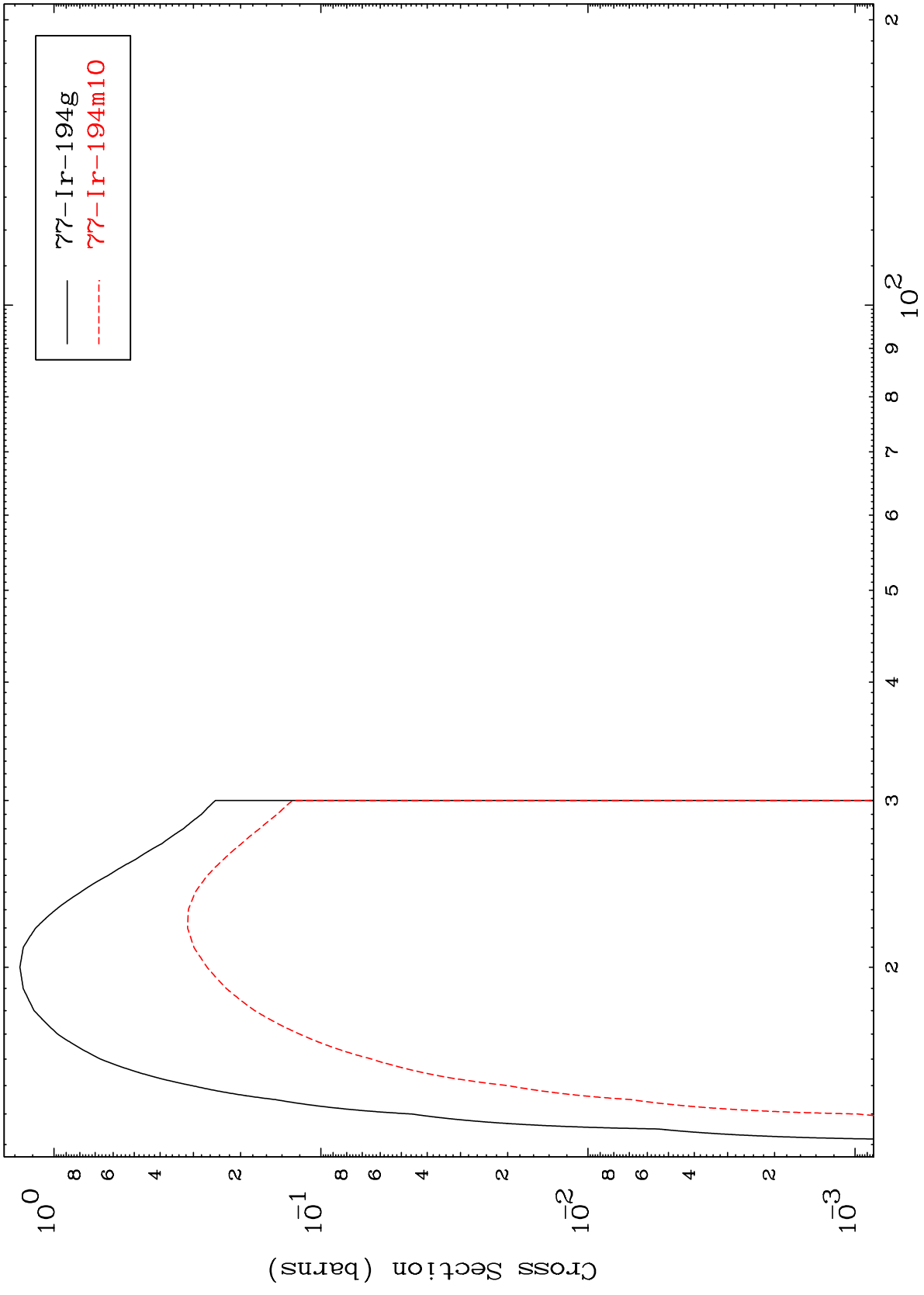
77-Ir-196

MAT 7740

(n,3n)

77-Ir-196

Radionuclide Production Cross Section



127

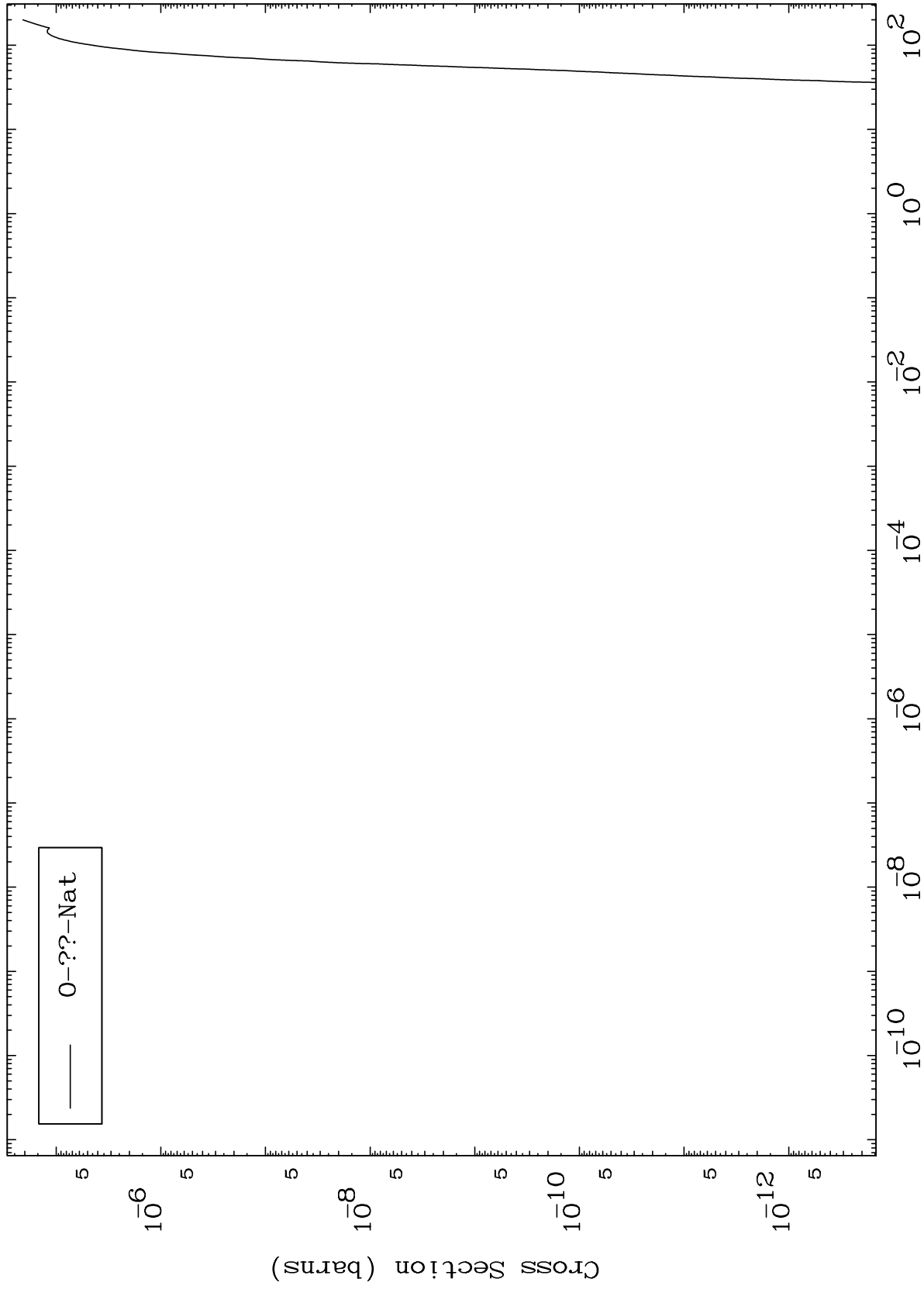
Incident Energy (MeV)

77-Ir-196

MAT 7740

Fission
Radionuclide Production Cross Section

77-Ir-196



128

Incident Energy (MeV)

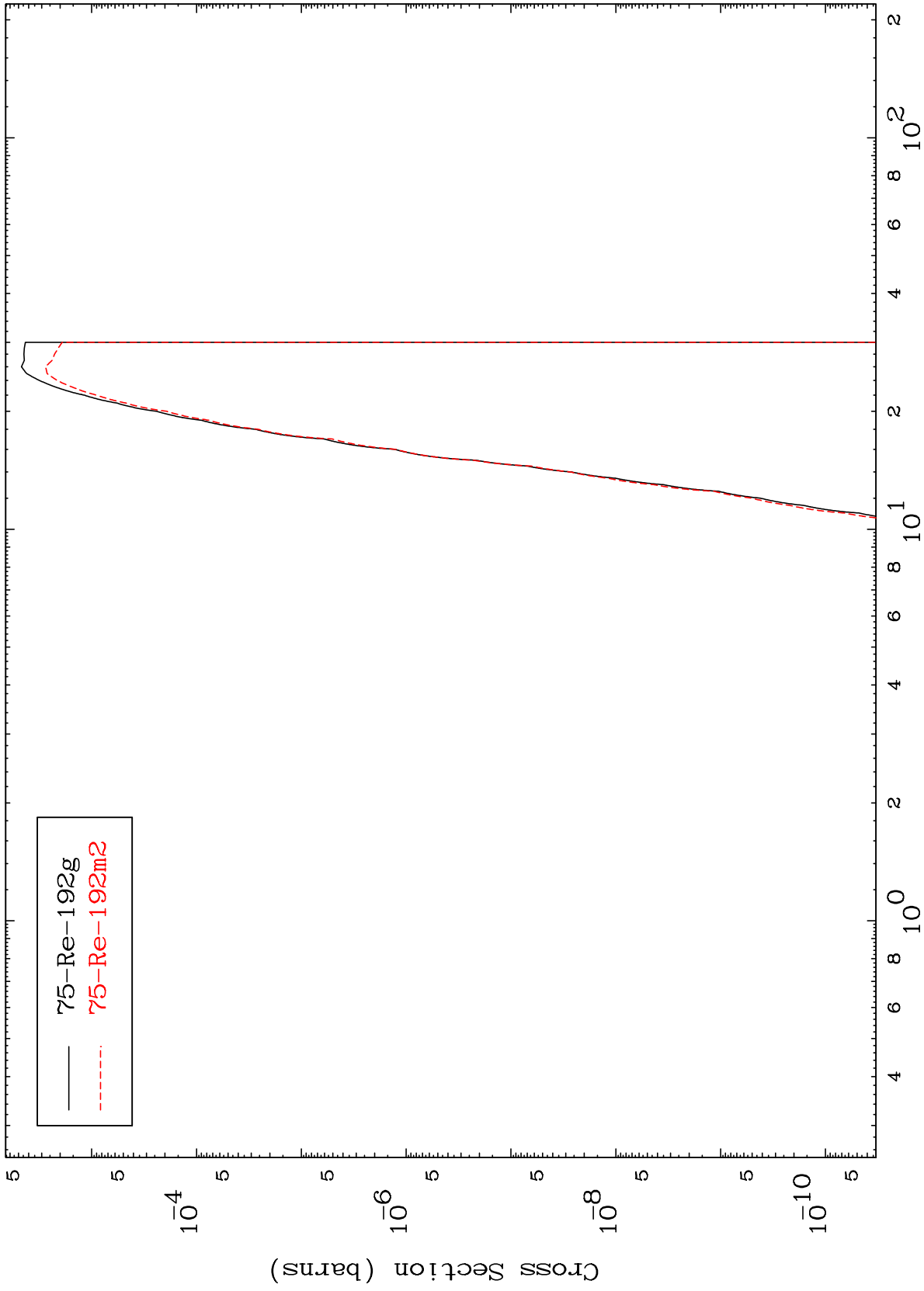
77-Ir-196

MAT 7740

(n,n') α

77-Ir-196

Radionuclide Production Cross Section



129

Incident Energy (MeV)

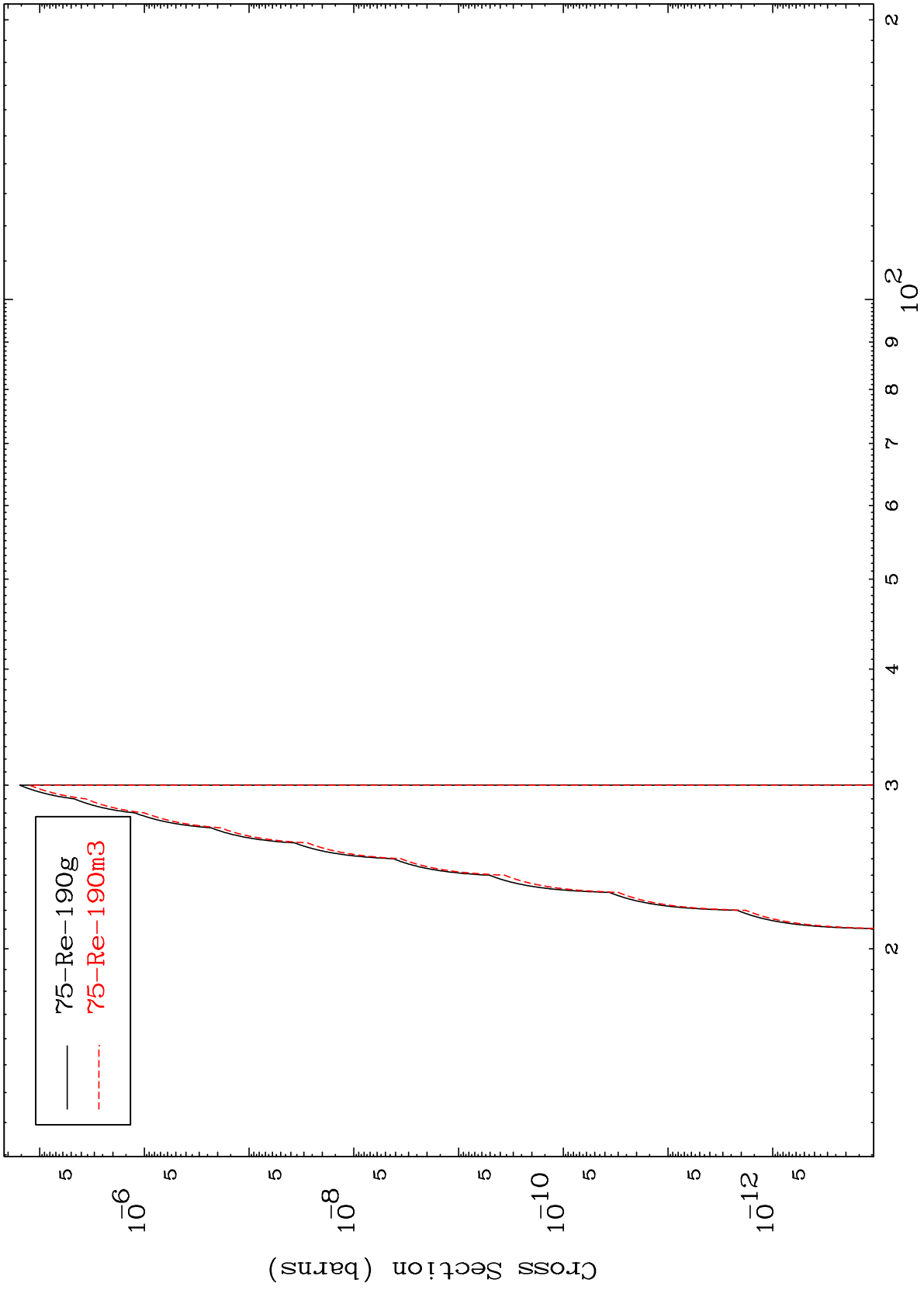
77-Ir-196

MAT 7740

(n,3n) α

77-Ir-196

Radionuclide Production Cross Section



130

Incident Energy (MeV)

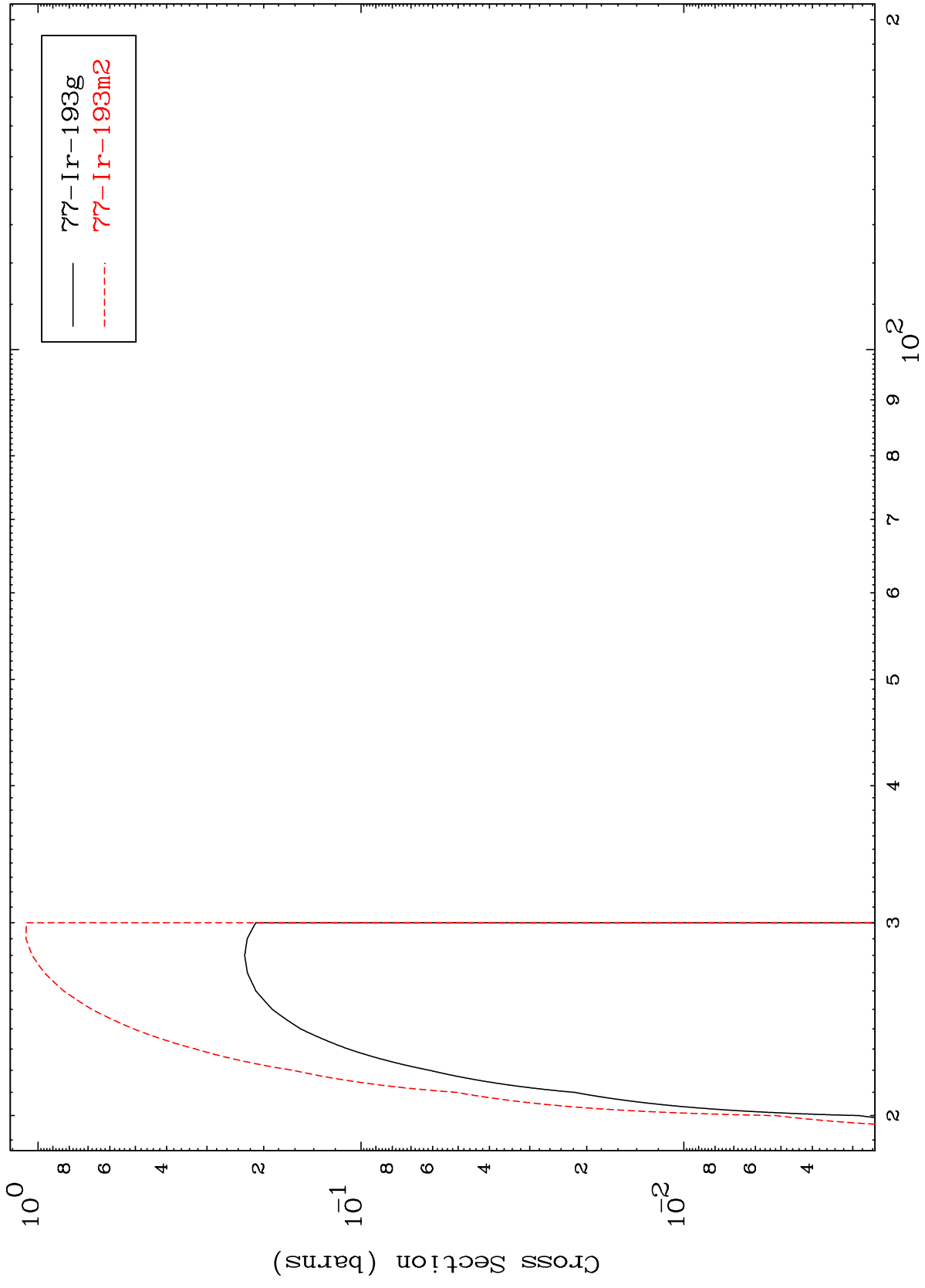
77-Ir-196

MAT 7740

(n,4n)

77-Ir-196

Radionuclide Production Cross Section



77-Ir-193g
77-Ir-193m2

131

Incident Energy (MeV)

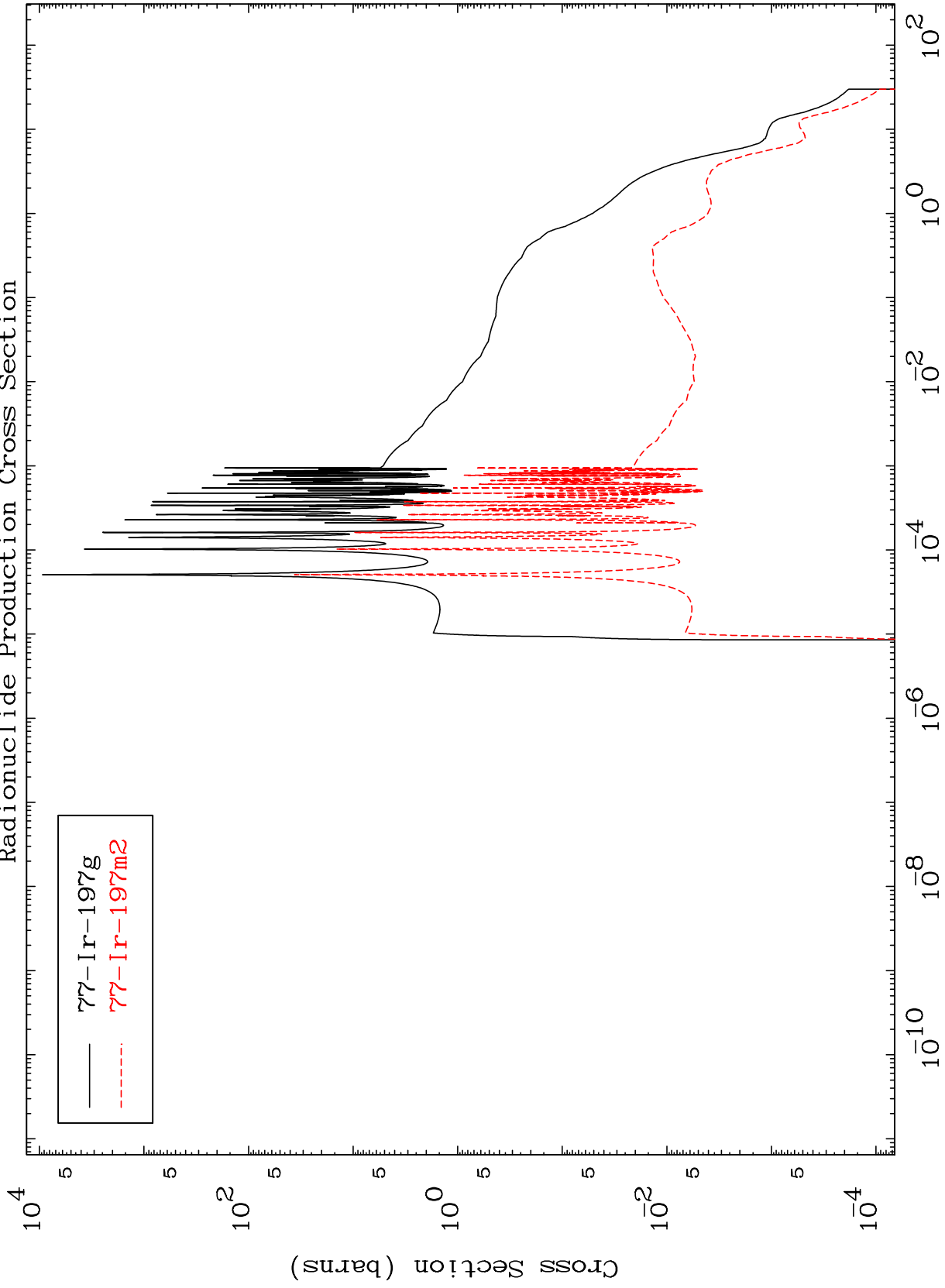
77-Ir-196

MAT 7740

(n,γ)

77-Ir-196

Radionuclide Production Cross Section



132

Incident Energy (MeV)

77-Ir-196