

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

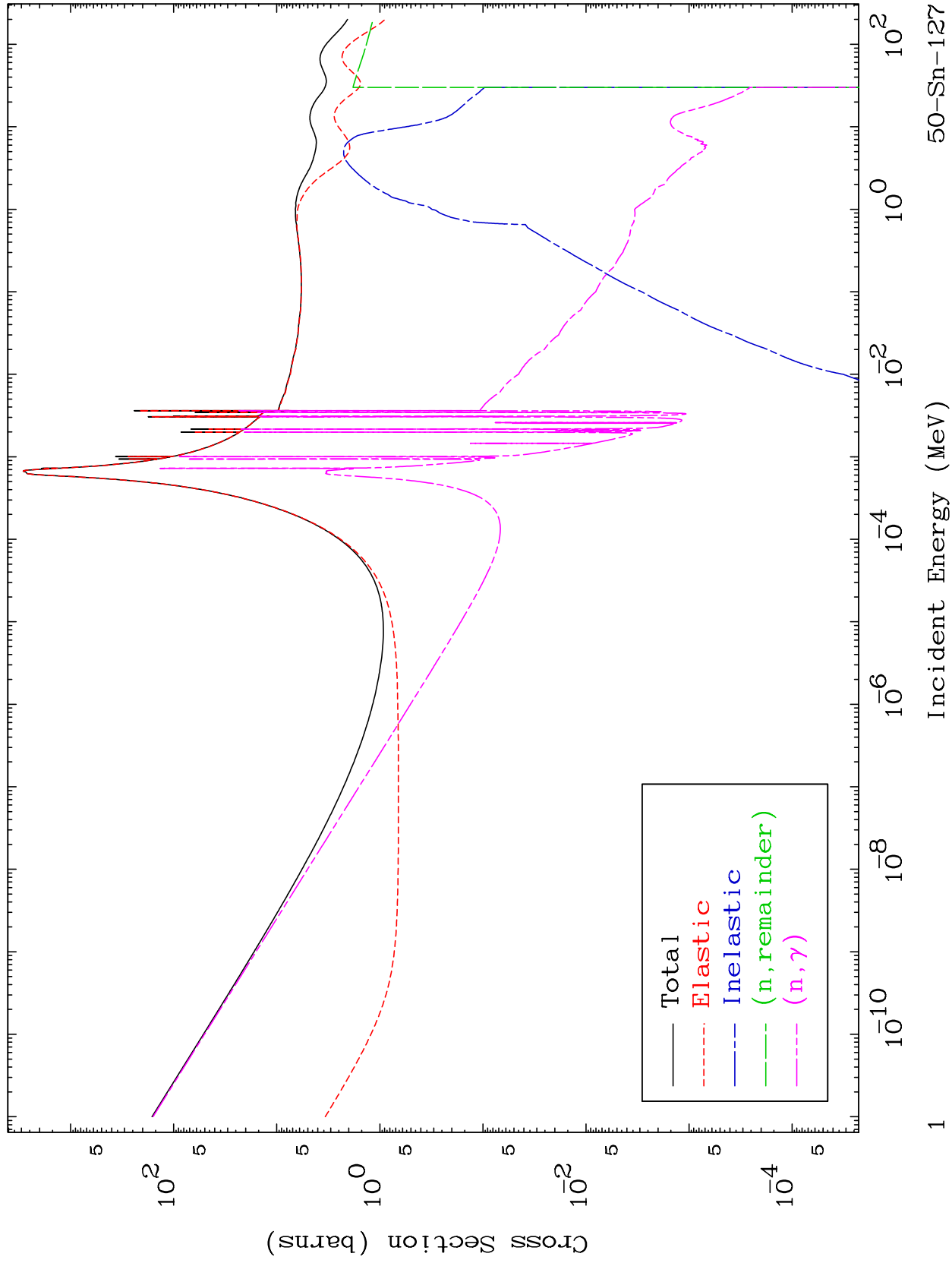
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5070

Major
293 Kelvin Cross Sections

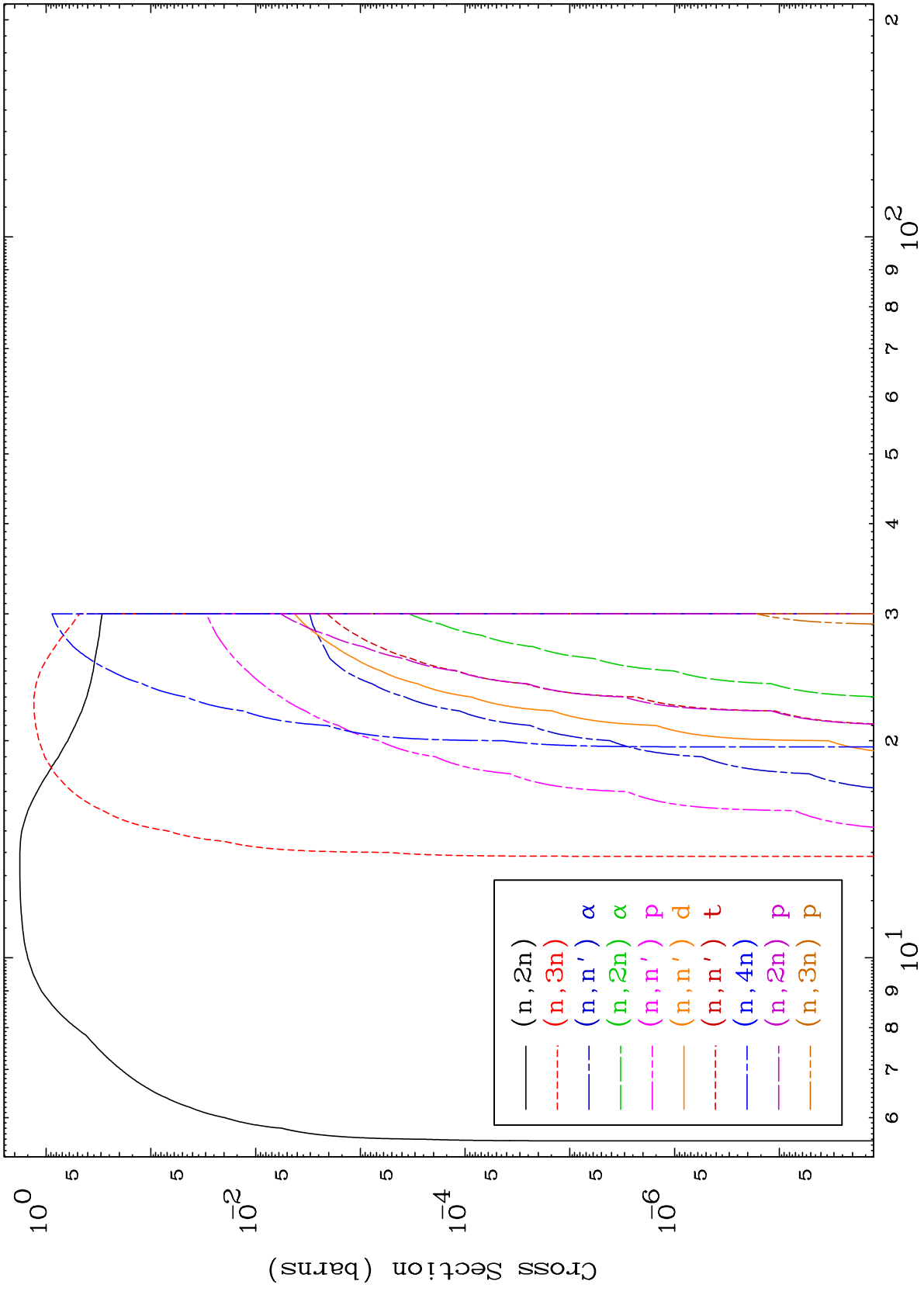
50-Sn-127



MAT 5070

Neutron Production
293 Kelvin Cross Sections

50-Sn-127



2

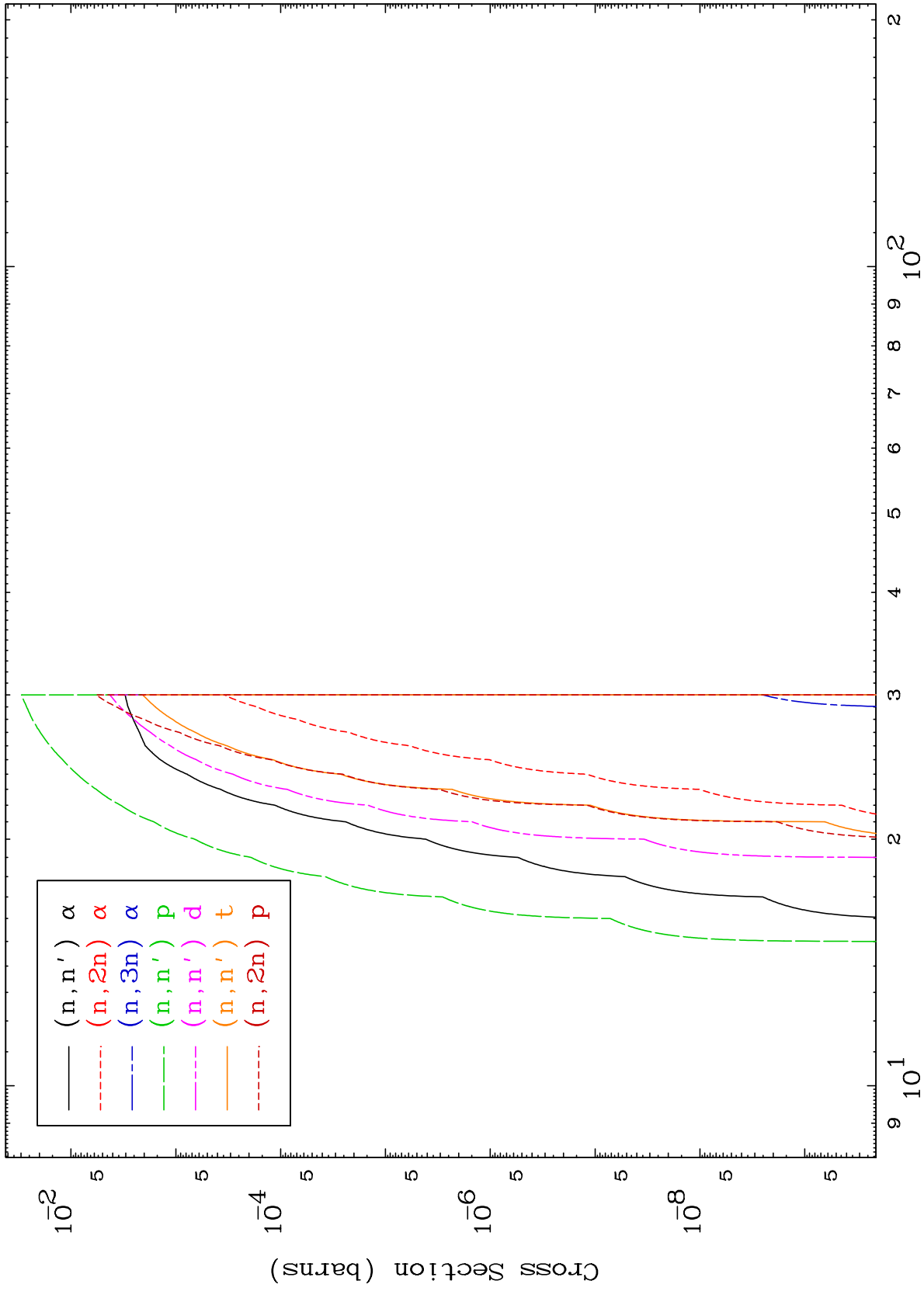
Incident Energy (MeV)

50-Sn-127

MAT 5070

Charged Particle
293 Kelvin Cross Sections

50-Sn-127



3

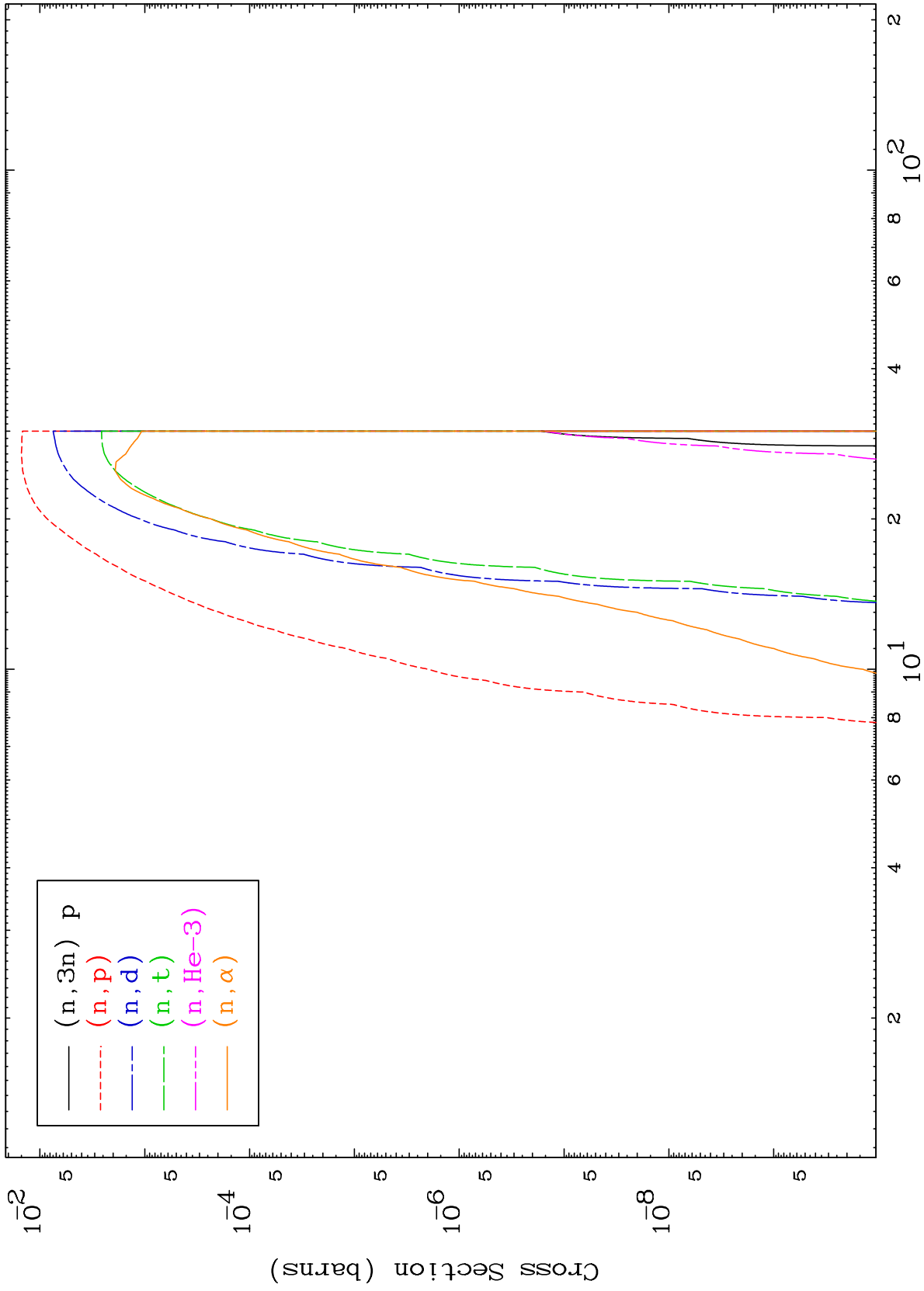
Incident Energy (MeV)

50-Sn-127

MAT 5070

Charged Particle
293 Kelvin Cross Sections

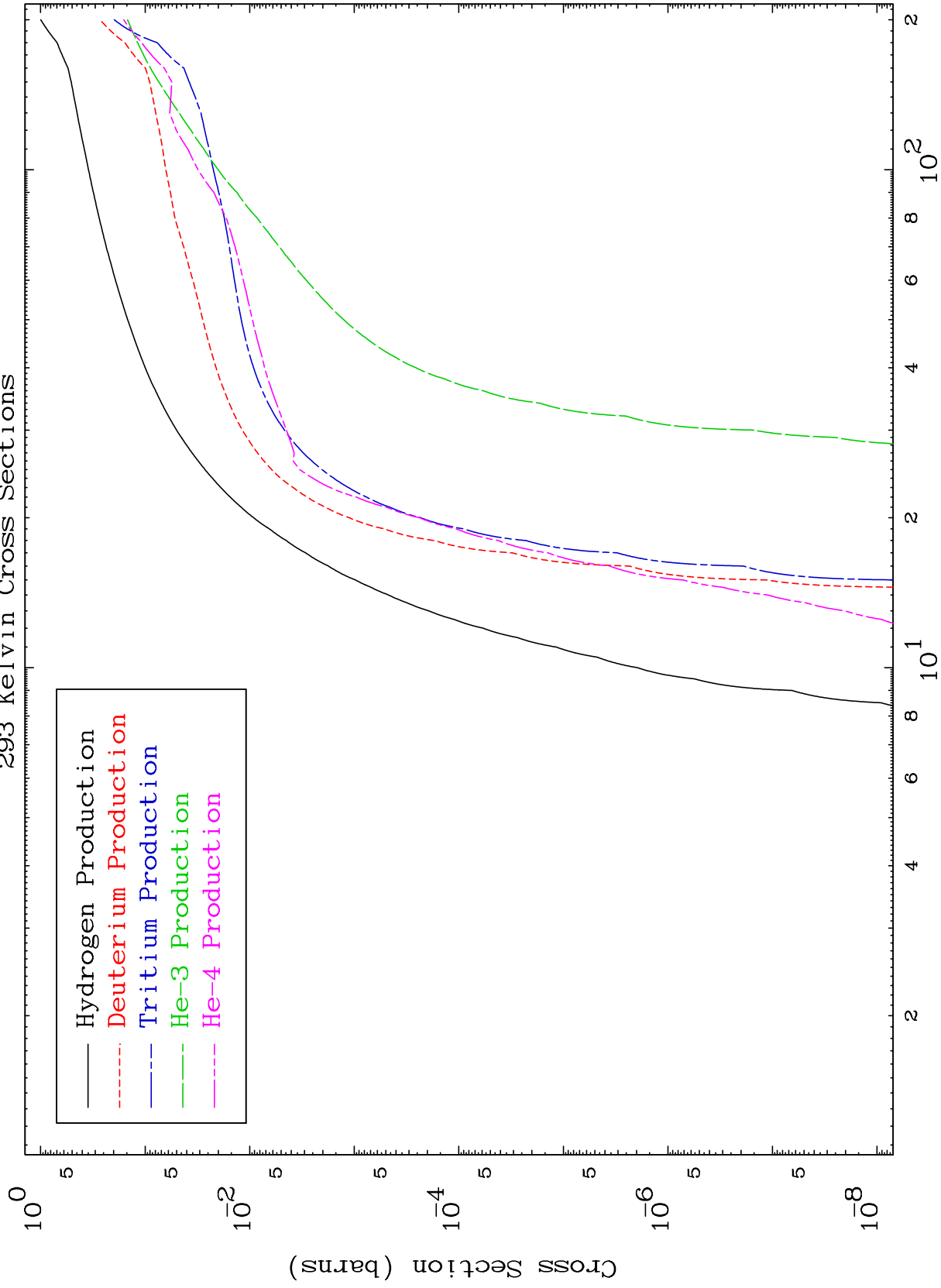
50-Sn-127



MAT 5070

293 Kelvin Production
Particle Production

50-Sn-127



5

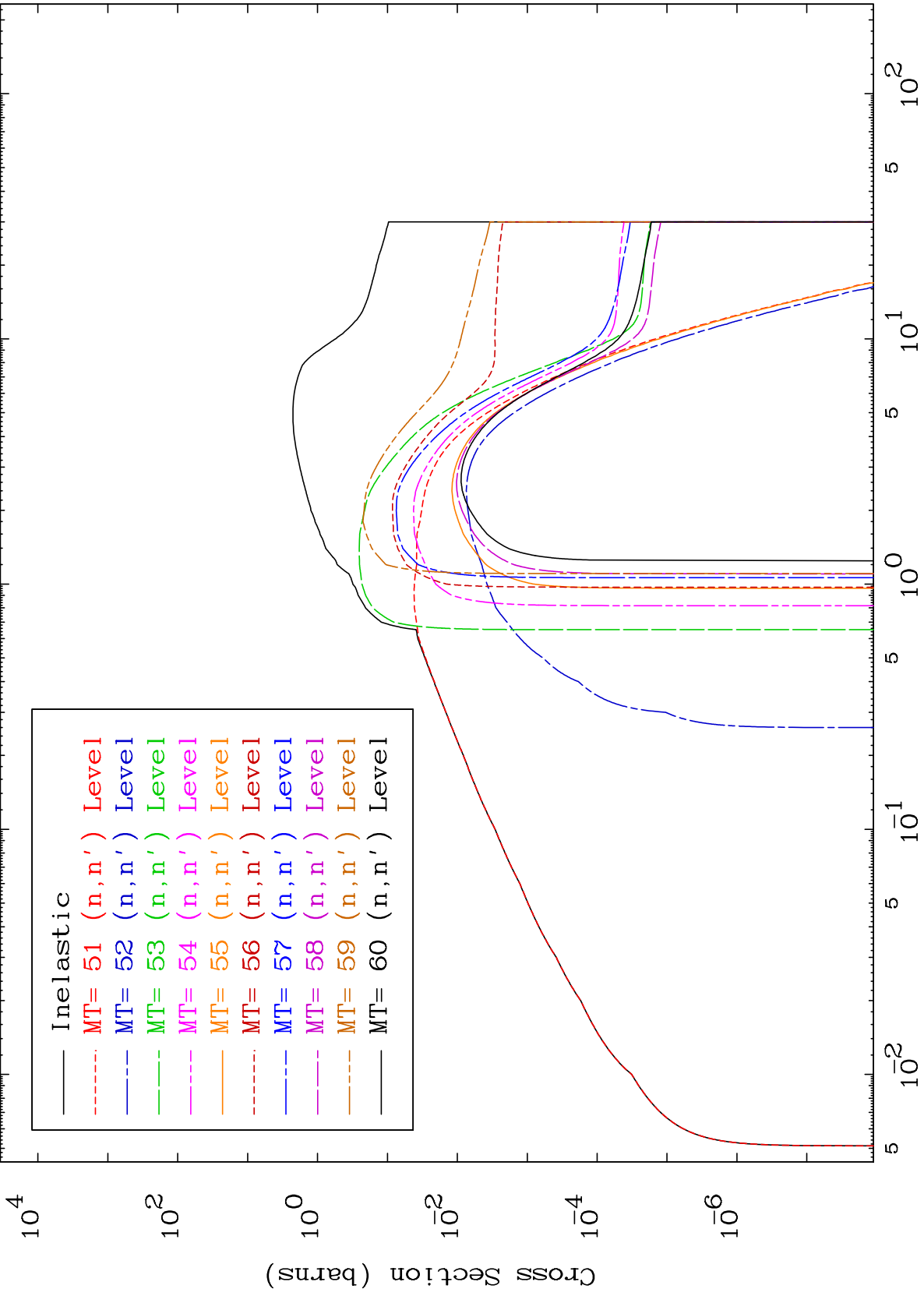
Incident Energy (MeV)

50-Sn-127

MAT 5070

(n,n') Level
293 Kelvin Cross Sections

50-Sn-127



6

Incident Energy (MeV)

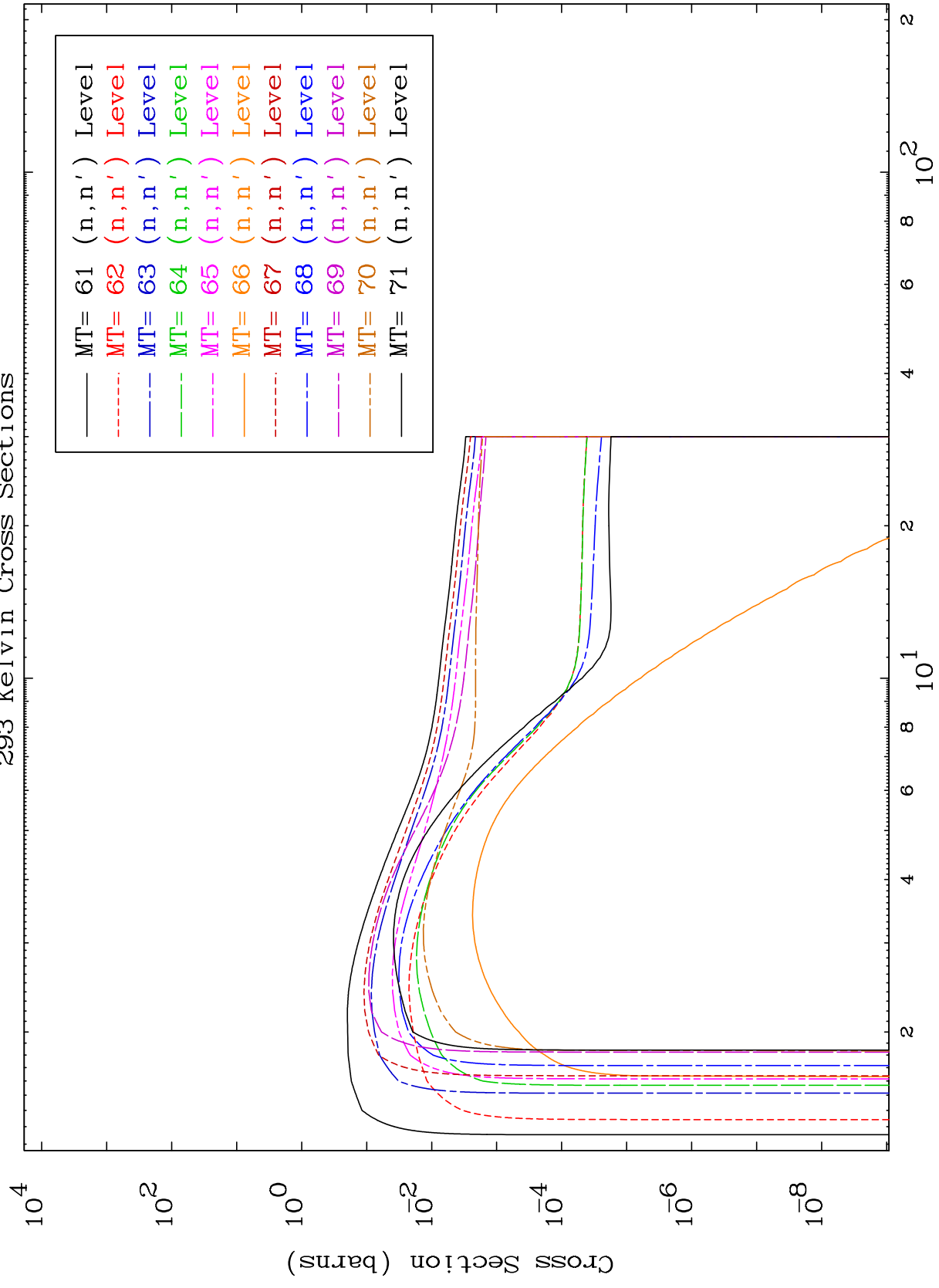
50-Sn-127

MAT 5070

(n,n') Level

50-Sn-127

293 Kelvin Cross Sections



7

Incident Energy (MeV)

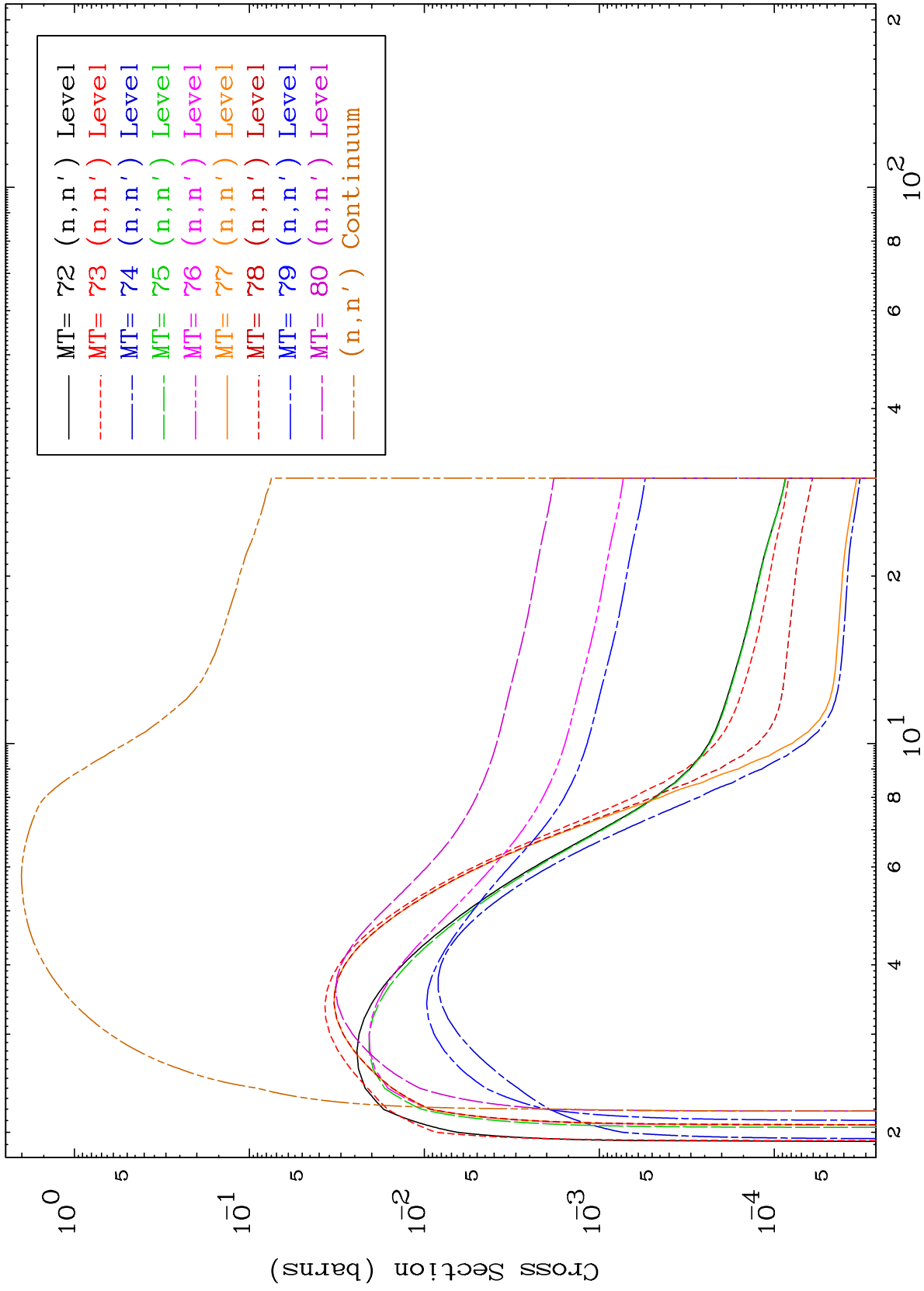
50-Sn-127

MAT 5070

(n,n') Level

50-Sn-127

293 Kelvin Cross Sections



8

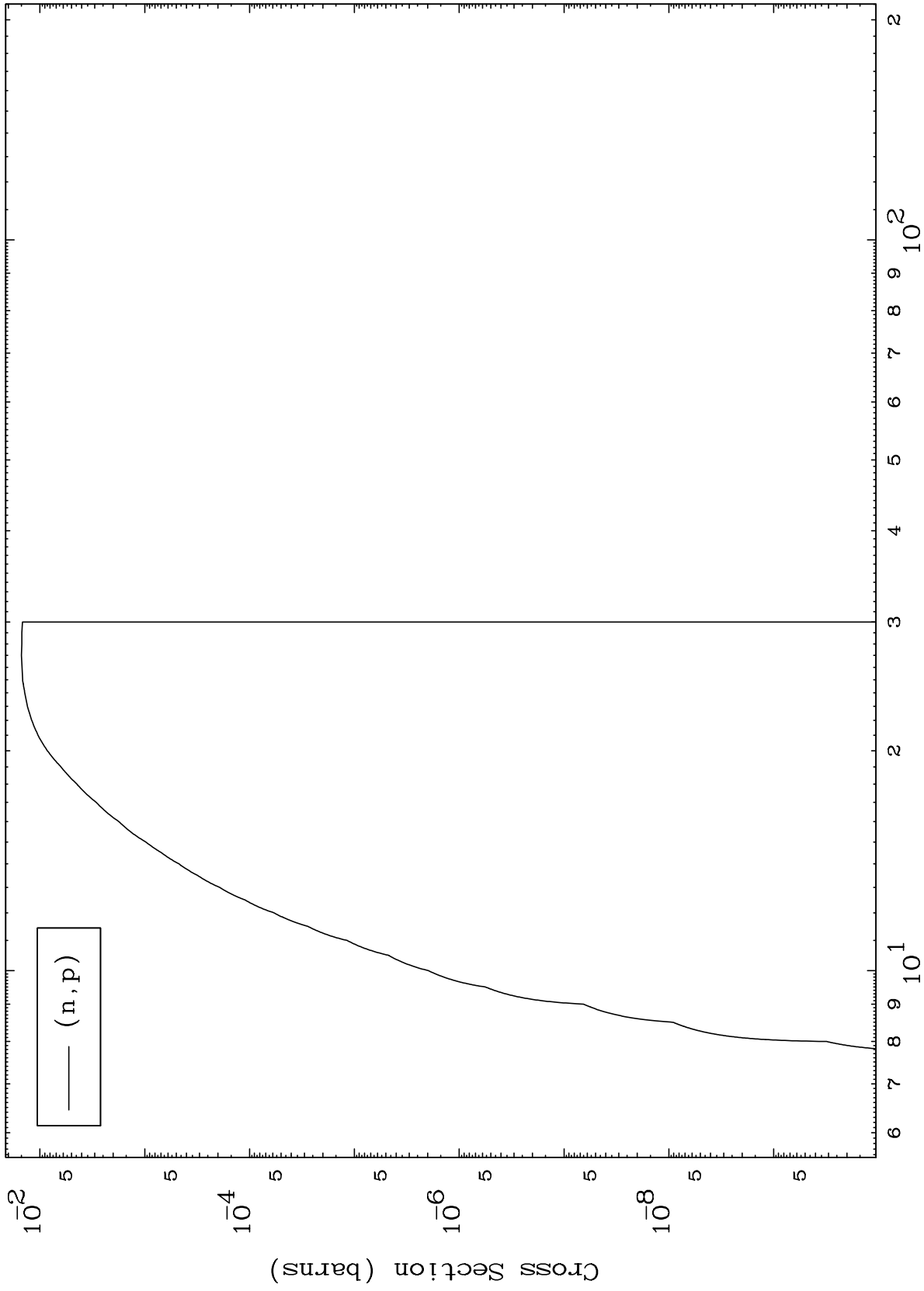
Incident Energy (MeV)

50-Sn-127

MAT 5070

(n,p) Levels
293 Kelvin Cross Sections

50-Sn-127



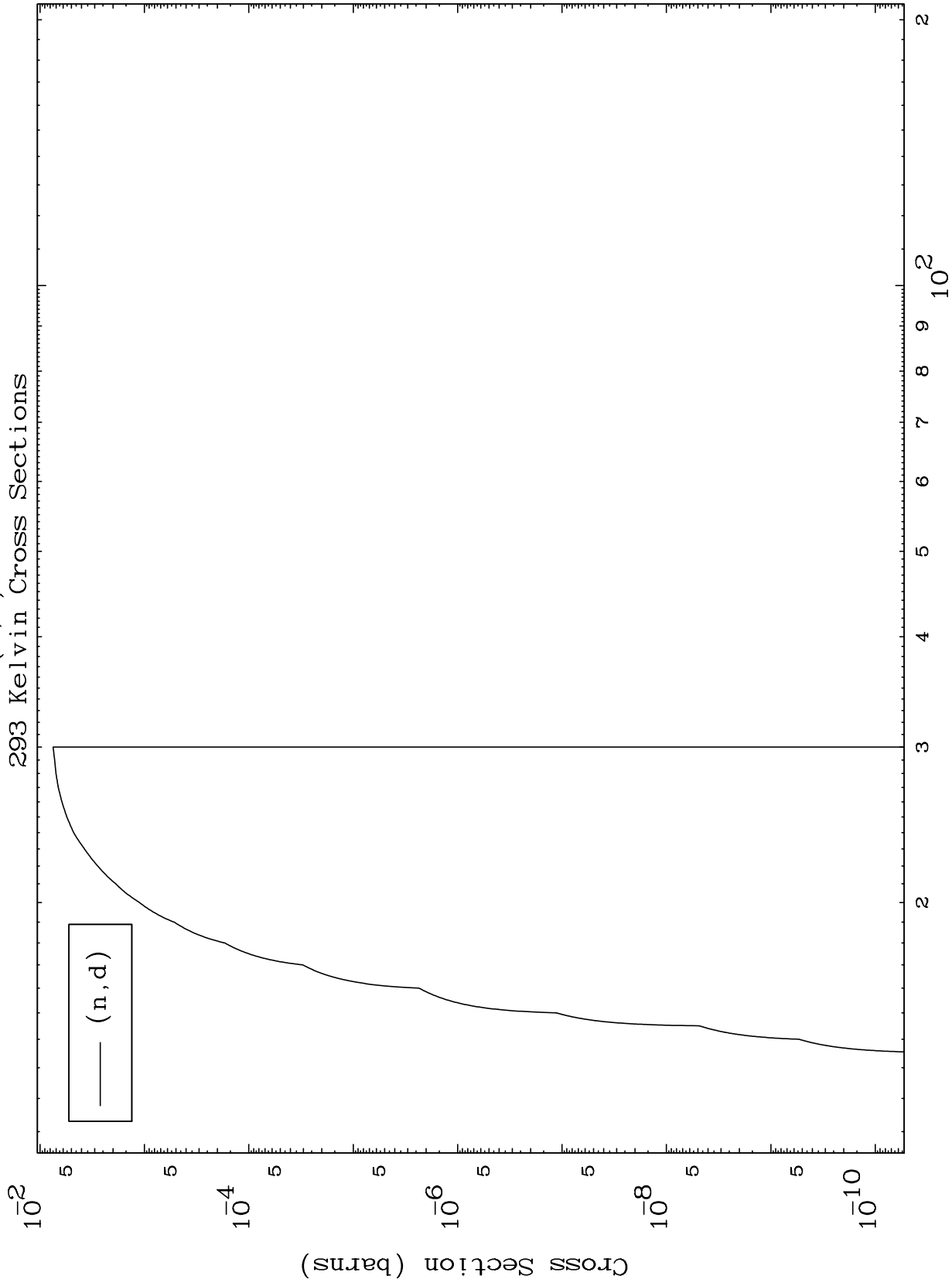
9

50-Sn-127

MAT 5070

(n,d) Levels
293 Kelvin Cross Sections

50-Sn-127



10

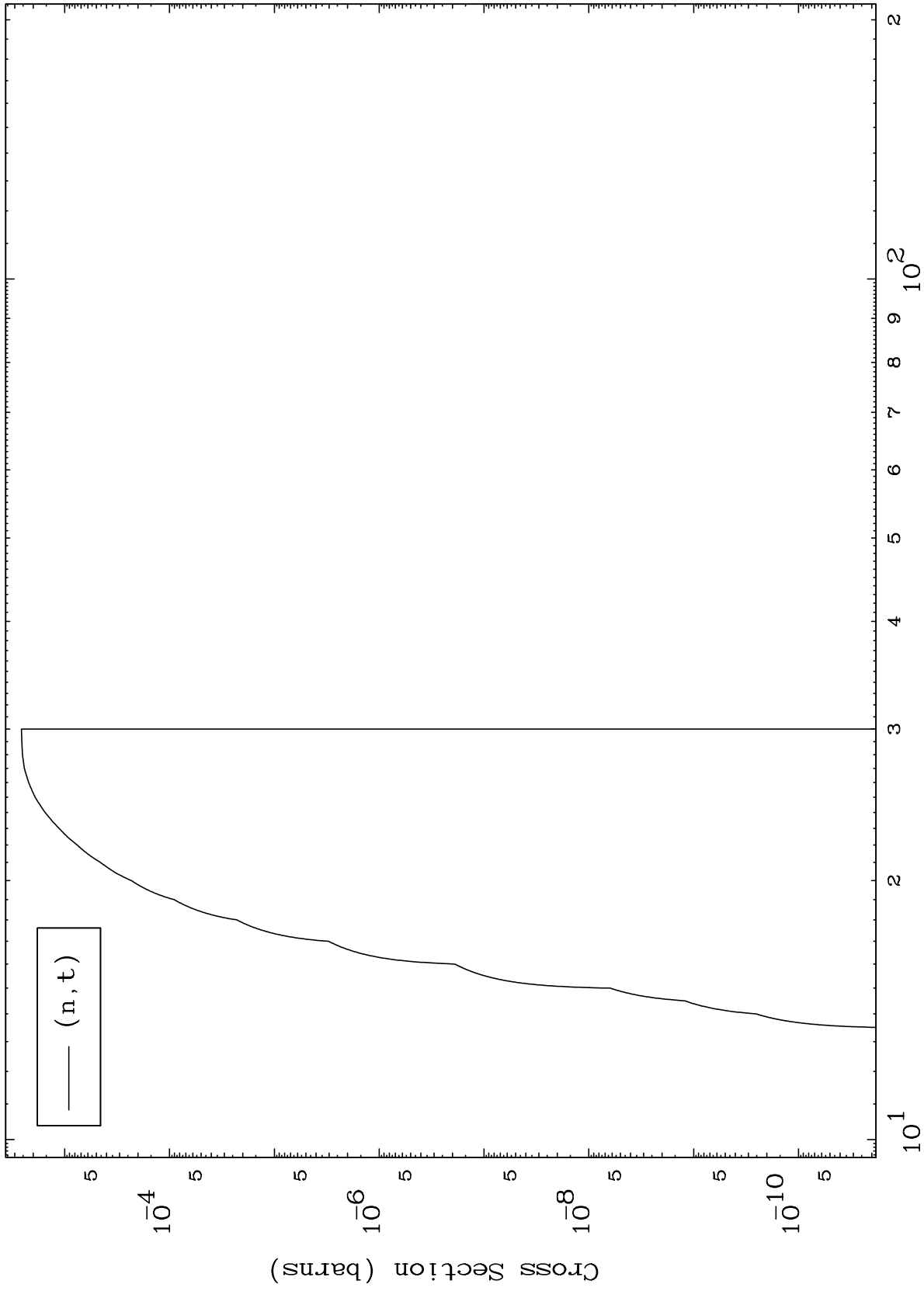
Incident Energy (MeV)

50-Sn-127

MAT 5070

(n,t) Levels
293 Kelvin Cross Sections

50-Sn-127



11

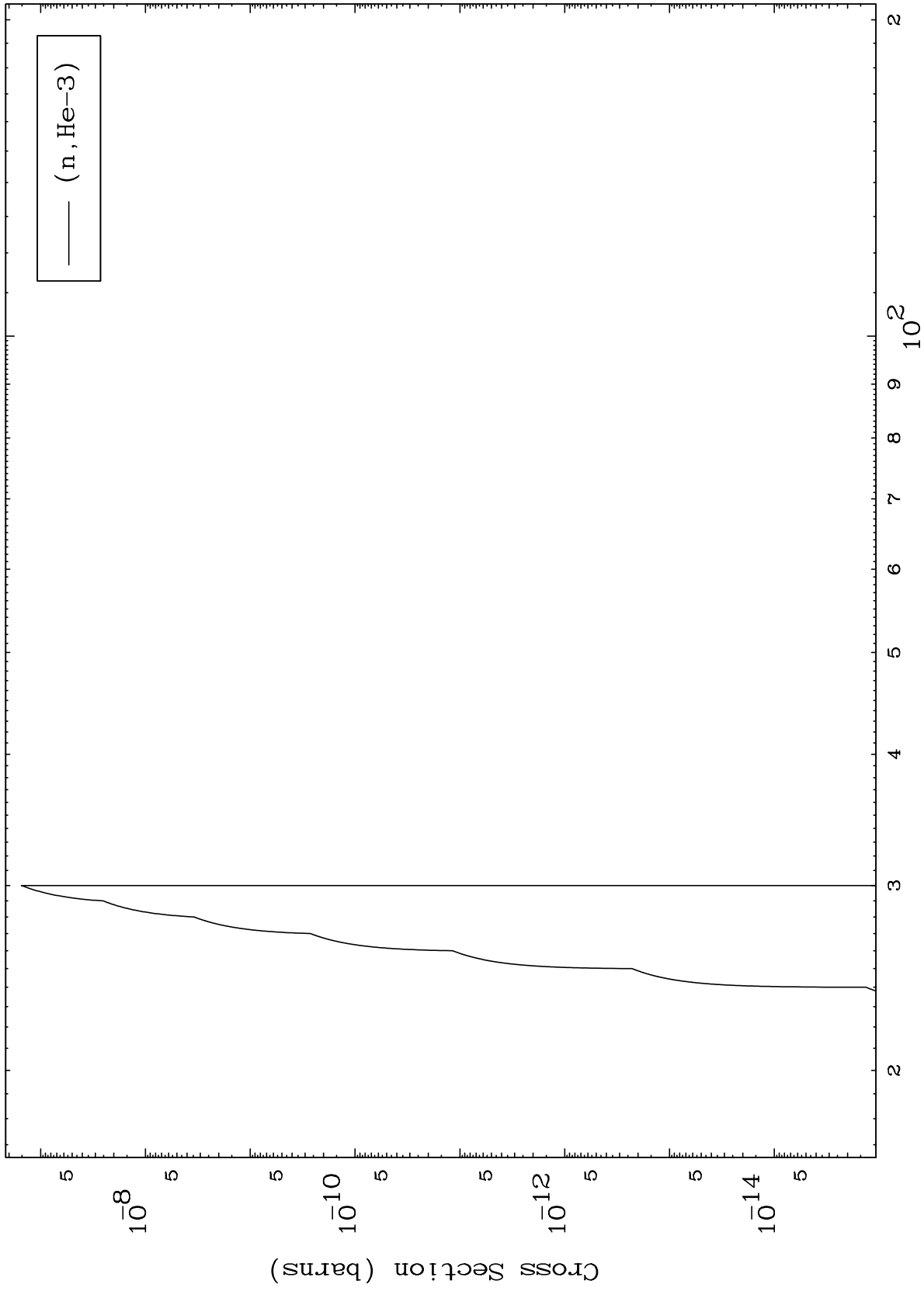
Incident Energy (MeV)

50-Sn-127

MAT 5070

(n,He3) Levels
293 Kelvin Cross Sections

50-Sn-127



12

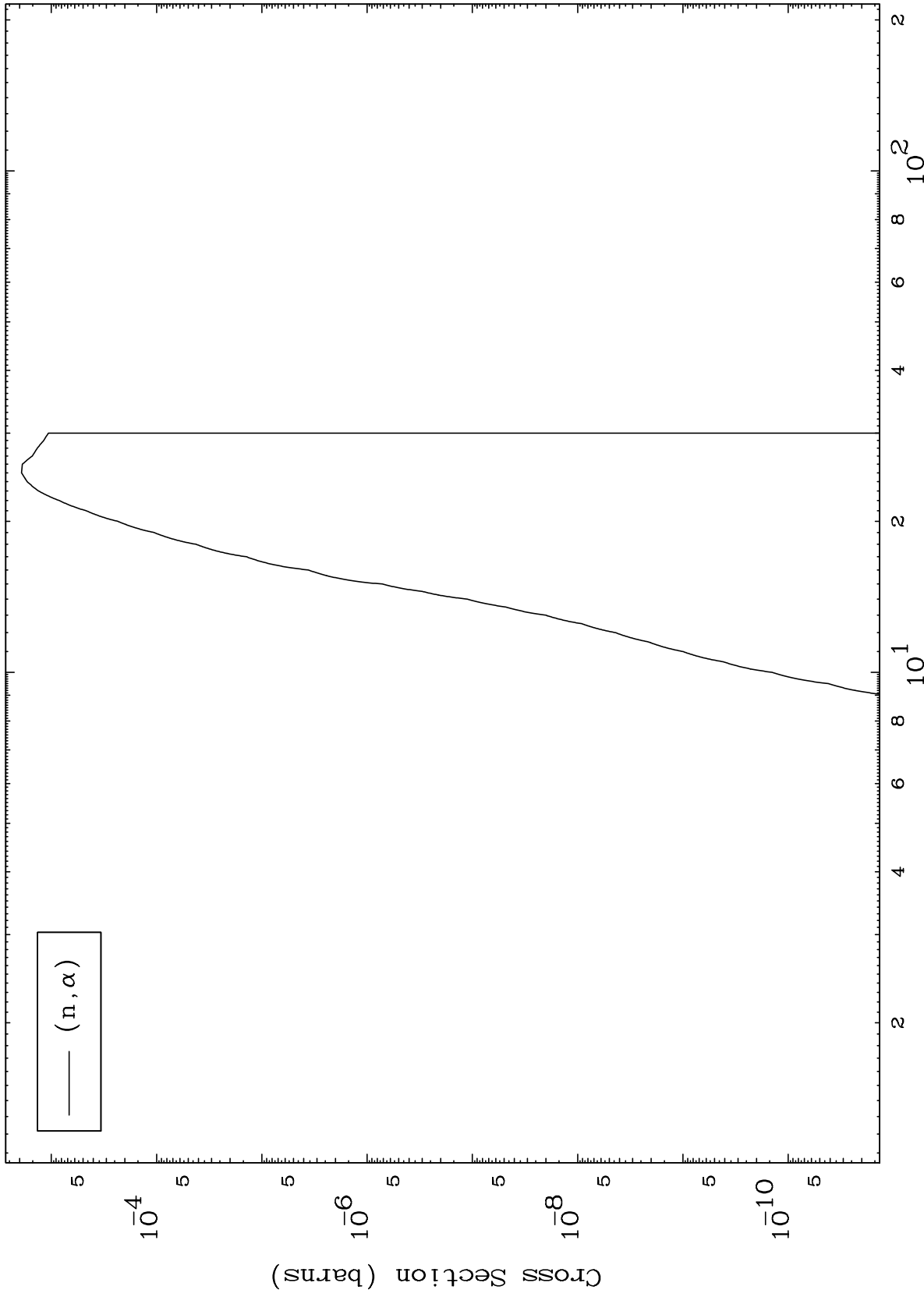
Incident Energy (MeV)

50-Sn-127

MAT 5070

(n,α) Levels
293 Kelvin Cross Sections

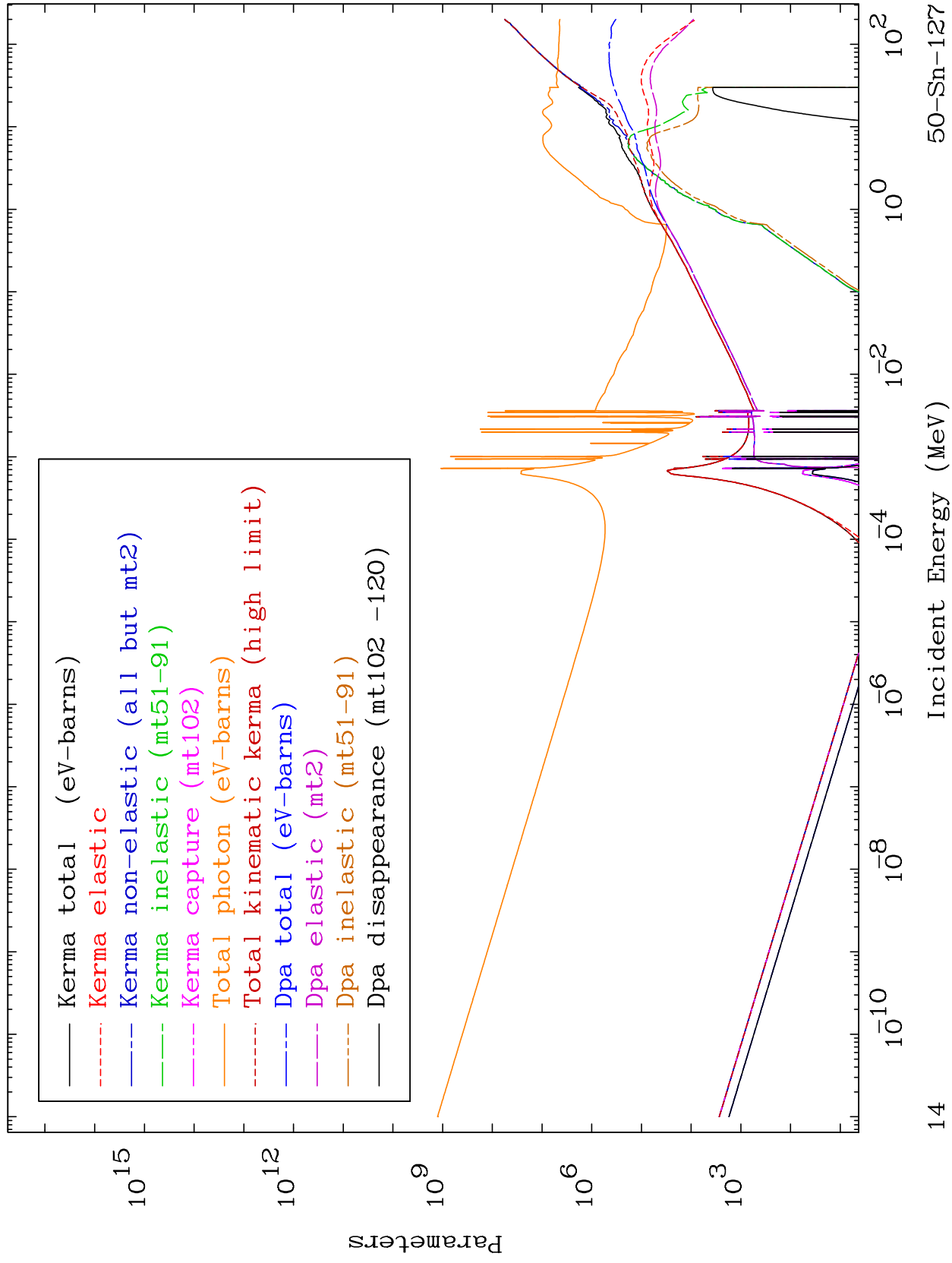
50-Sn-127

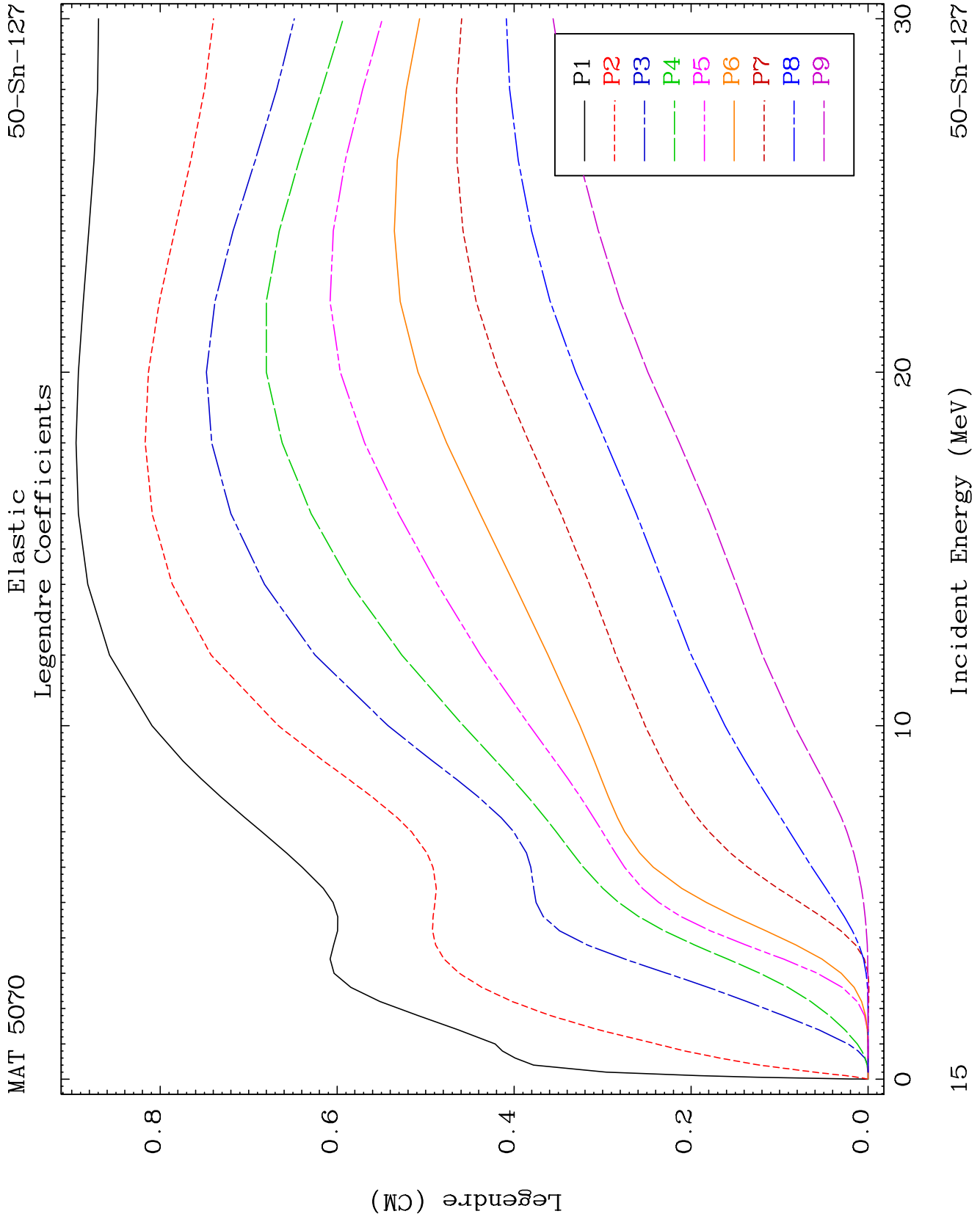


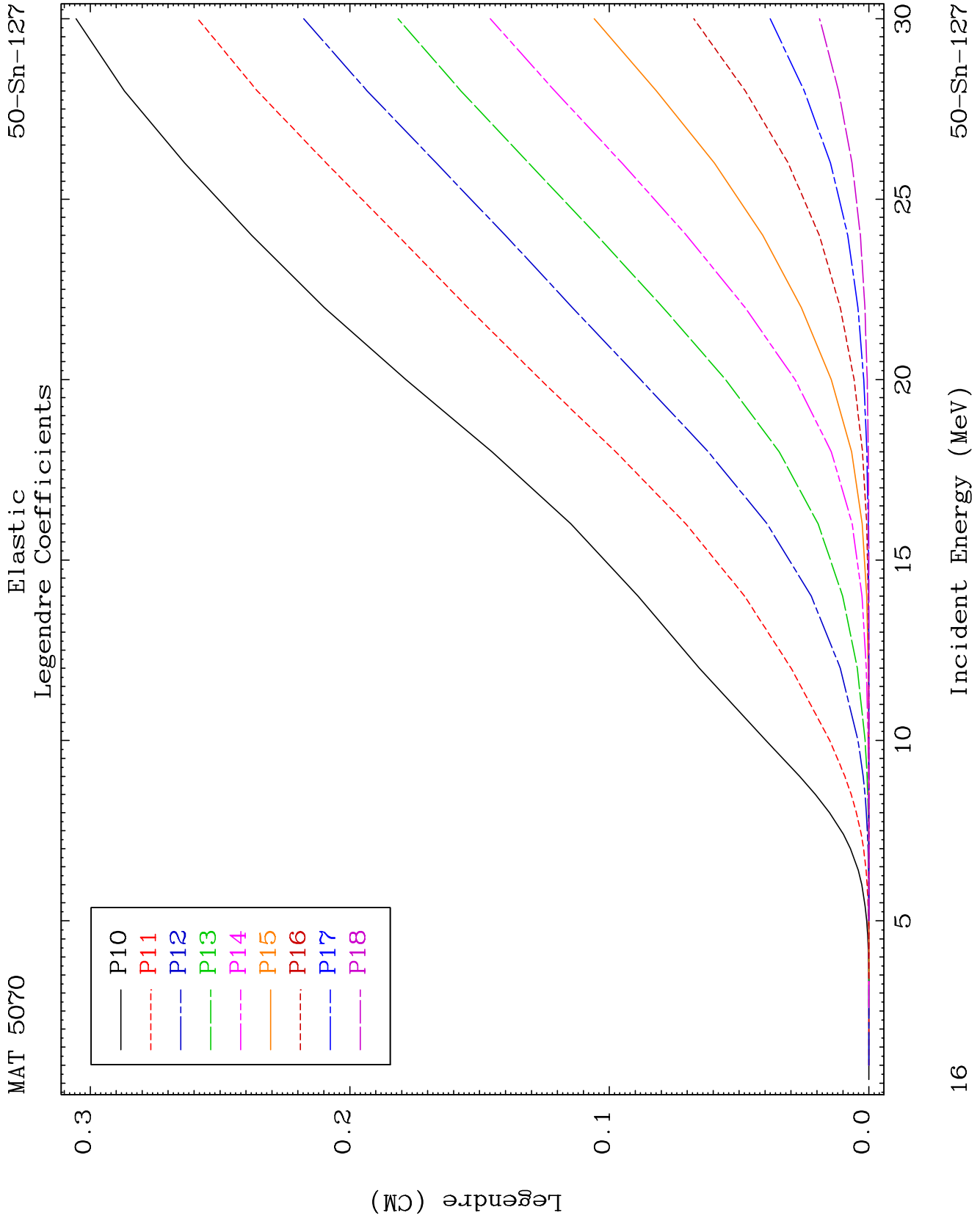
13

Incident Energy (MeV)

50-Sn-127



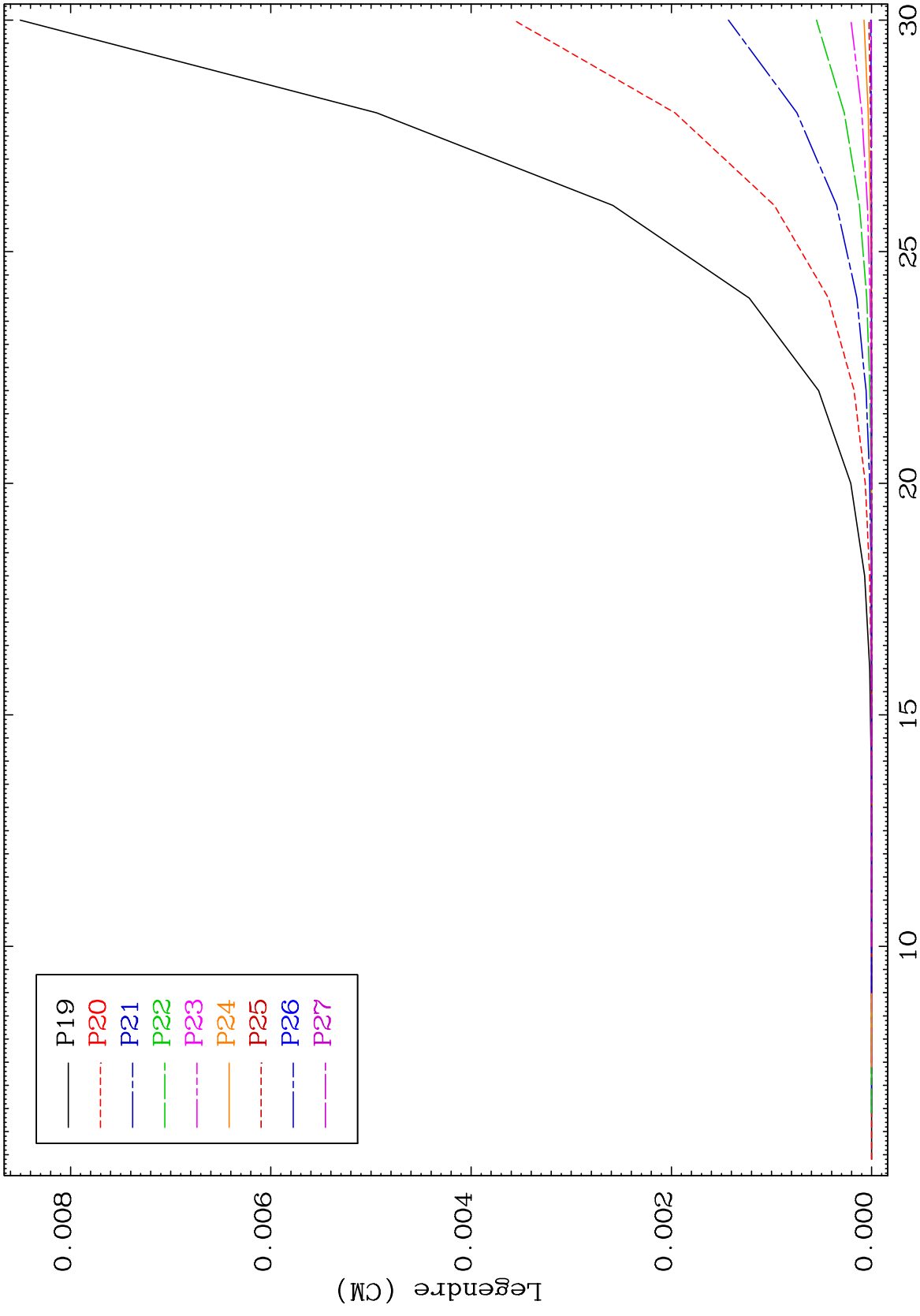




MAT 5070

Elastic Legendre Coefficients

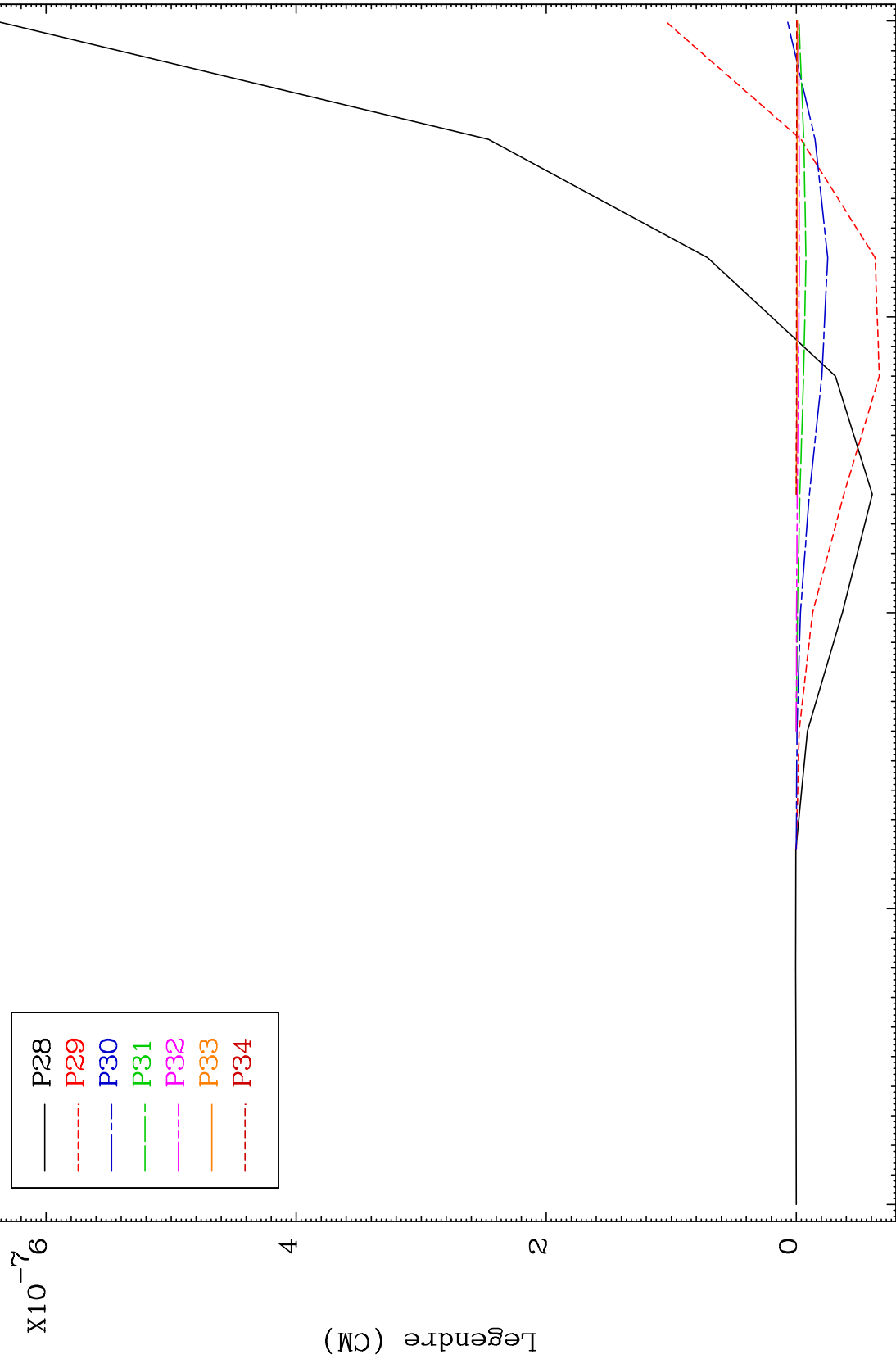
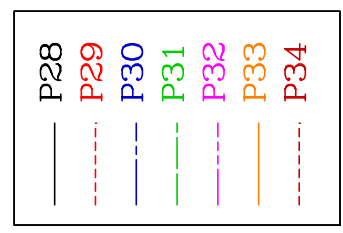
50-Sn-127



MAT 5070

Elastic Legendre Coefficients

50-Sn-127

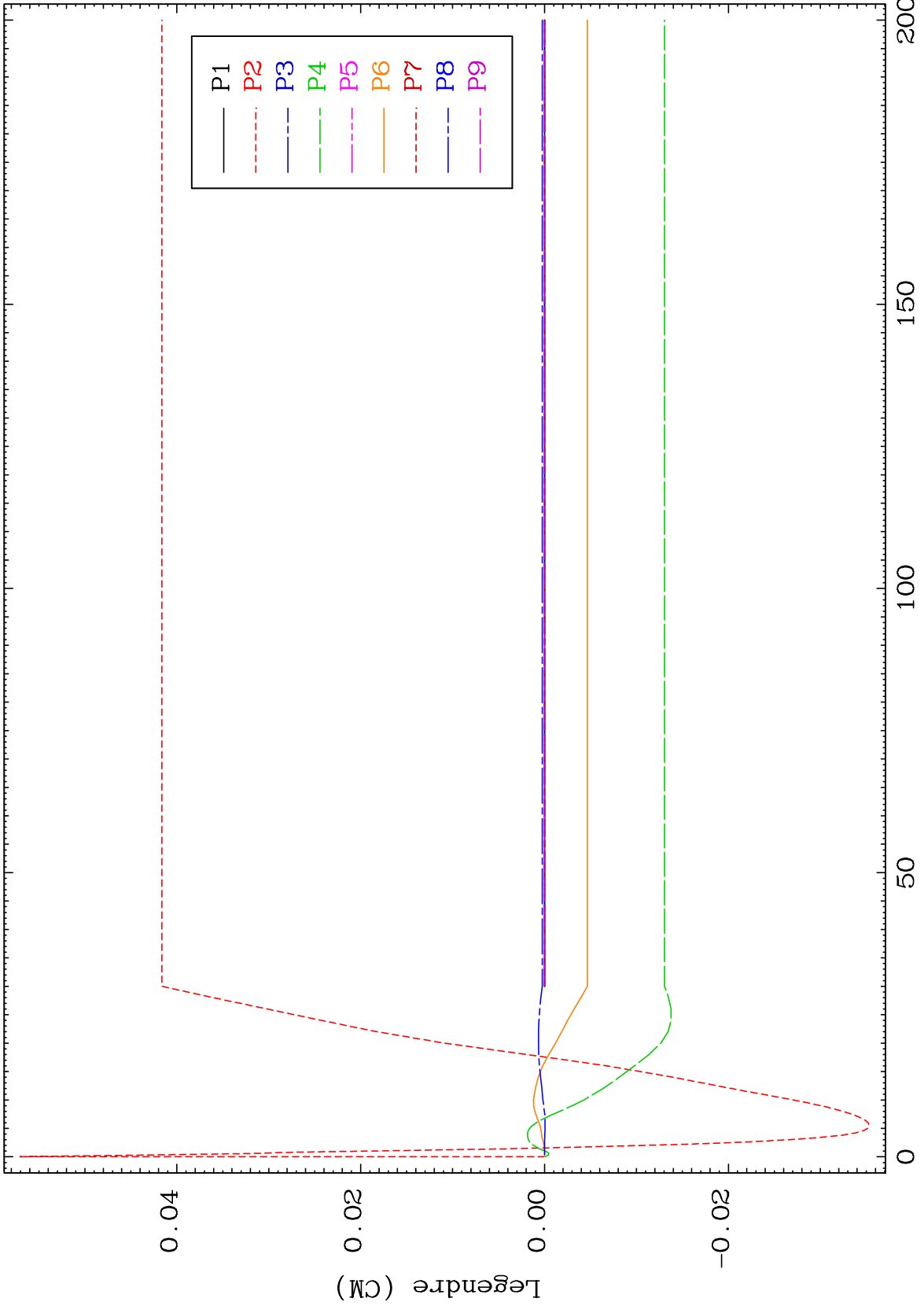


18

Incident Energy (MeV)

50-Sn-127

MAT 5070 MT= 51 (n,n') Level Legendre Coefficients 50-Sn-127

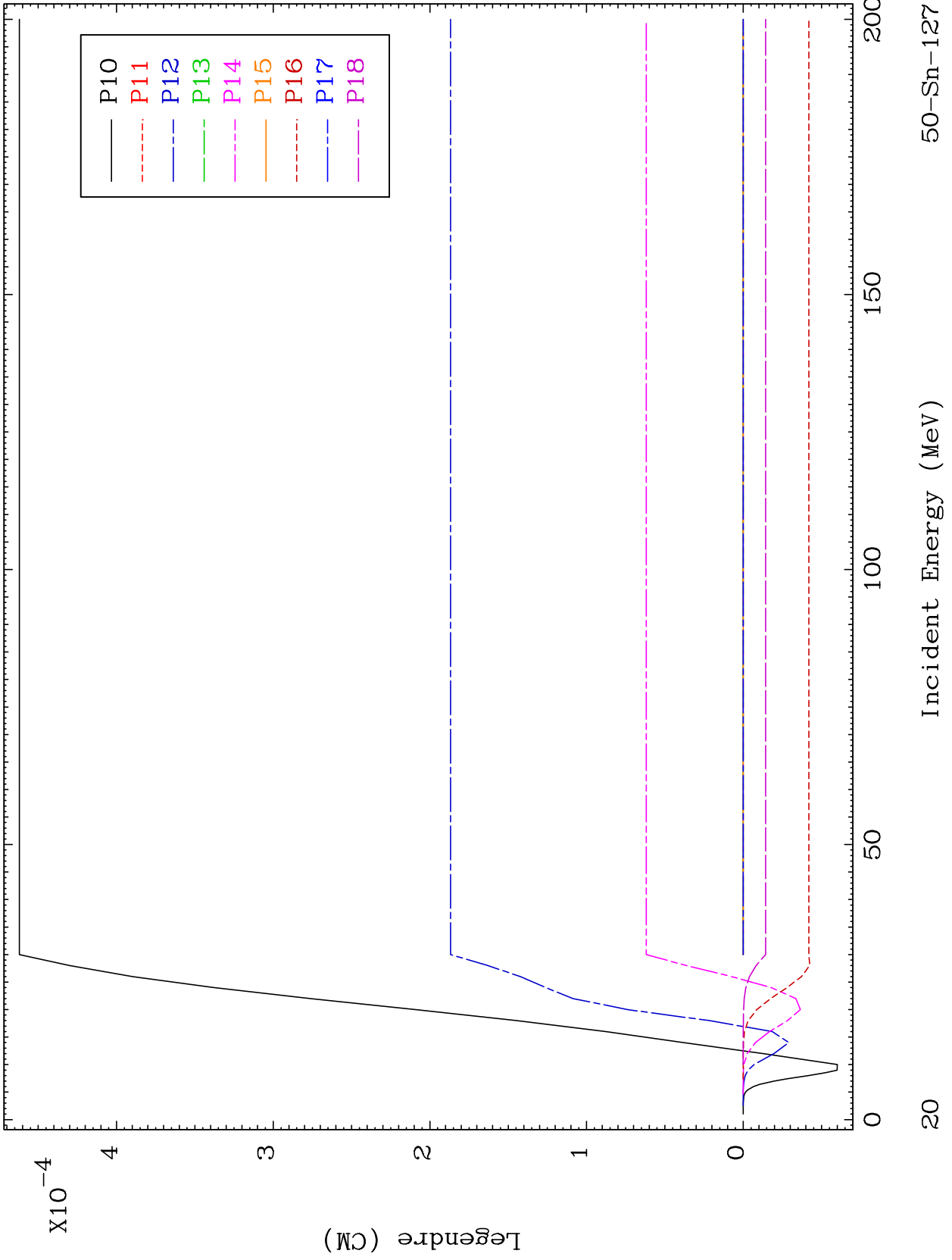


19 50-Sn-127

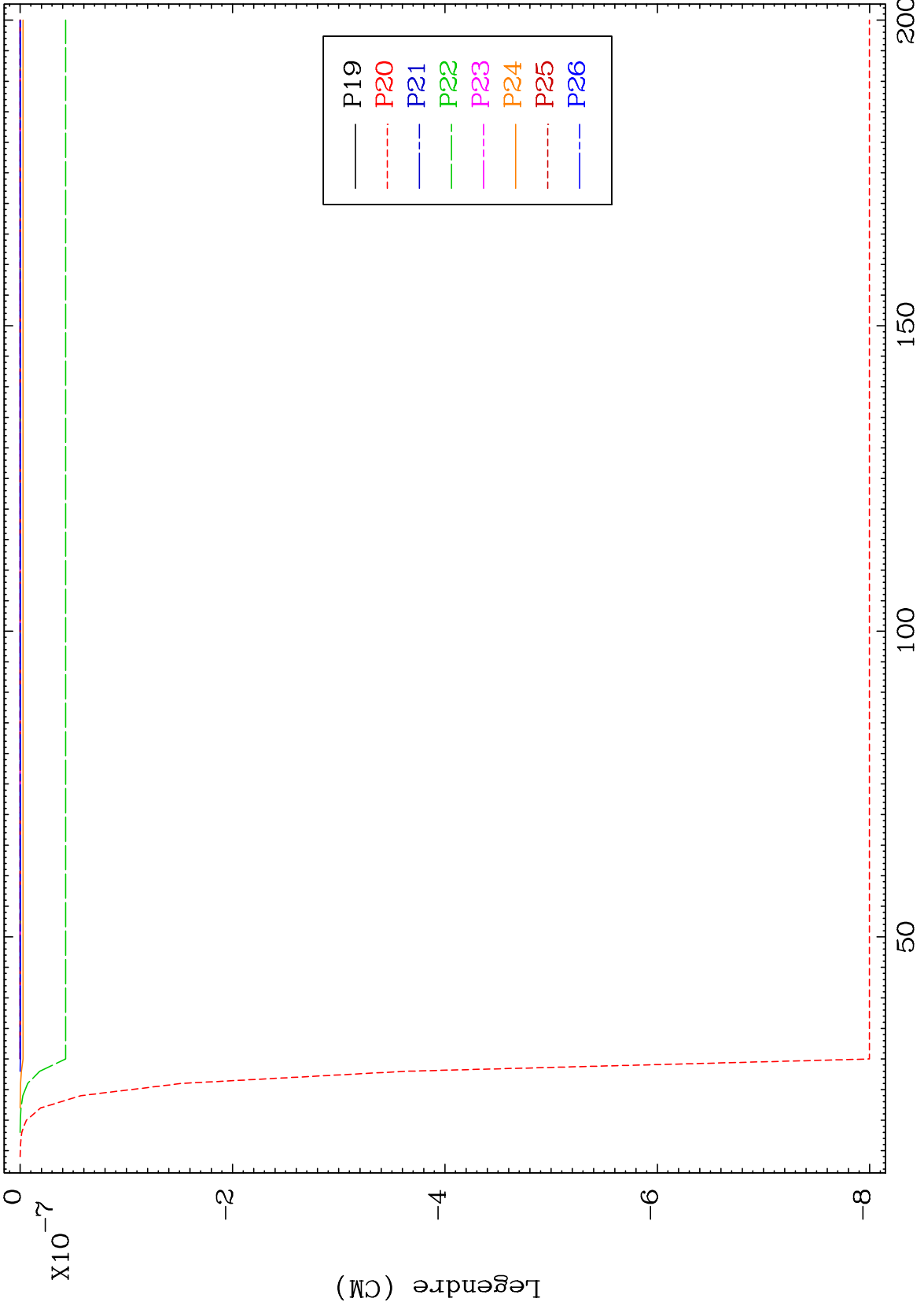
MAT 5070

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

50-Sn-127



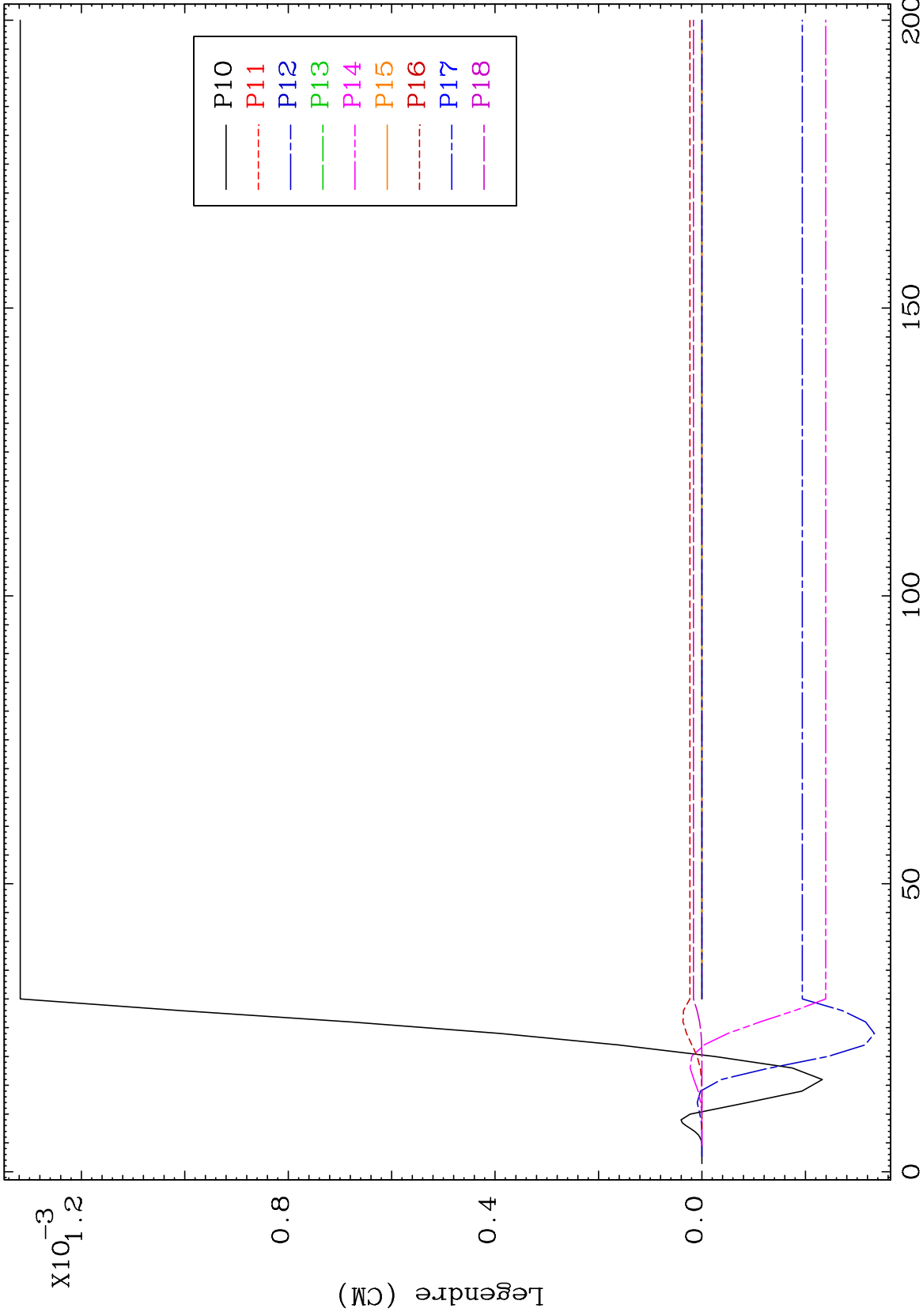
MAT 5070 MT= 51 (n,n') Level Legendre Coefficients 50-Sn-127



MAT 5070

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

50-Sn-127

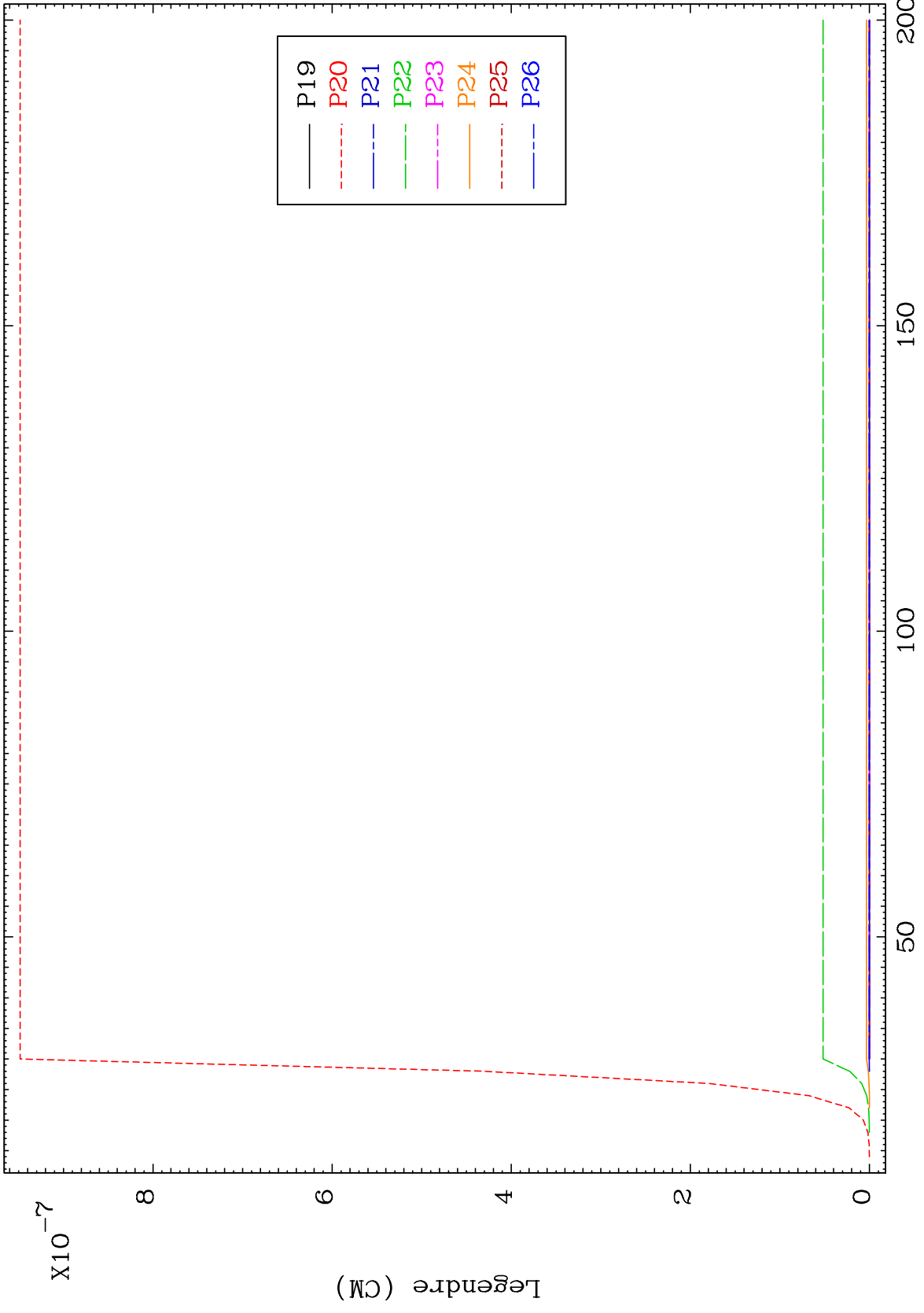


23

Incident Energy (MeV)

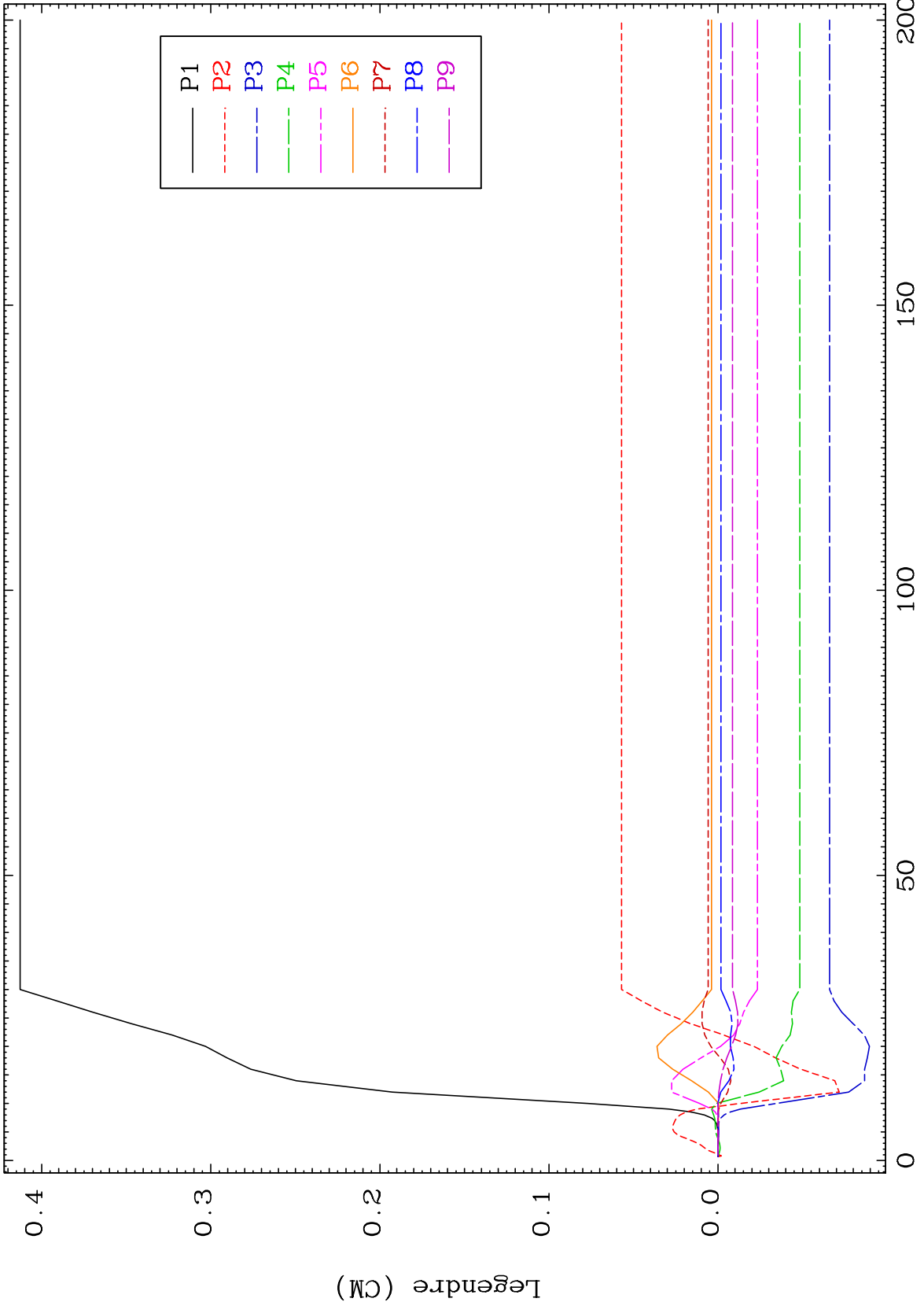
50-Sn-127

MAT 5070 MT= 52 (n,n') Level Legendre Coefficients 50-Sn-127

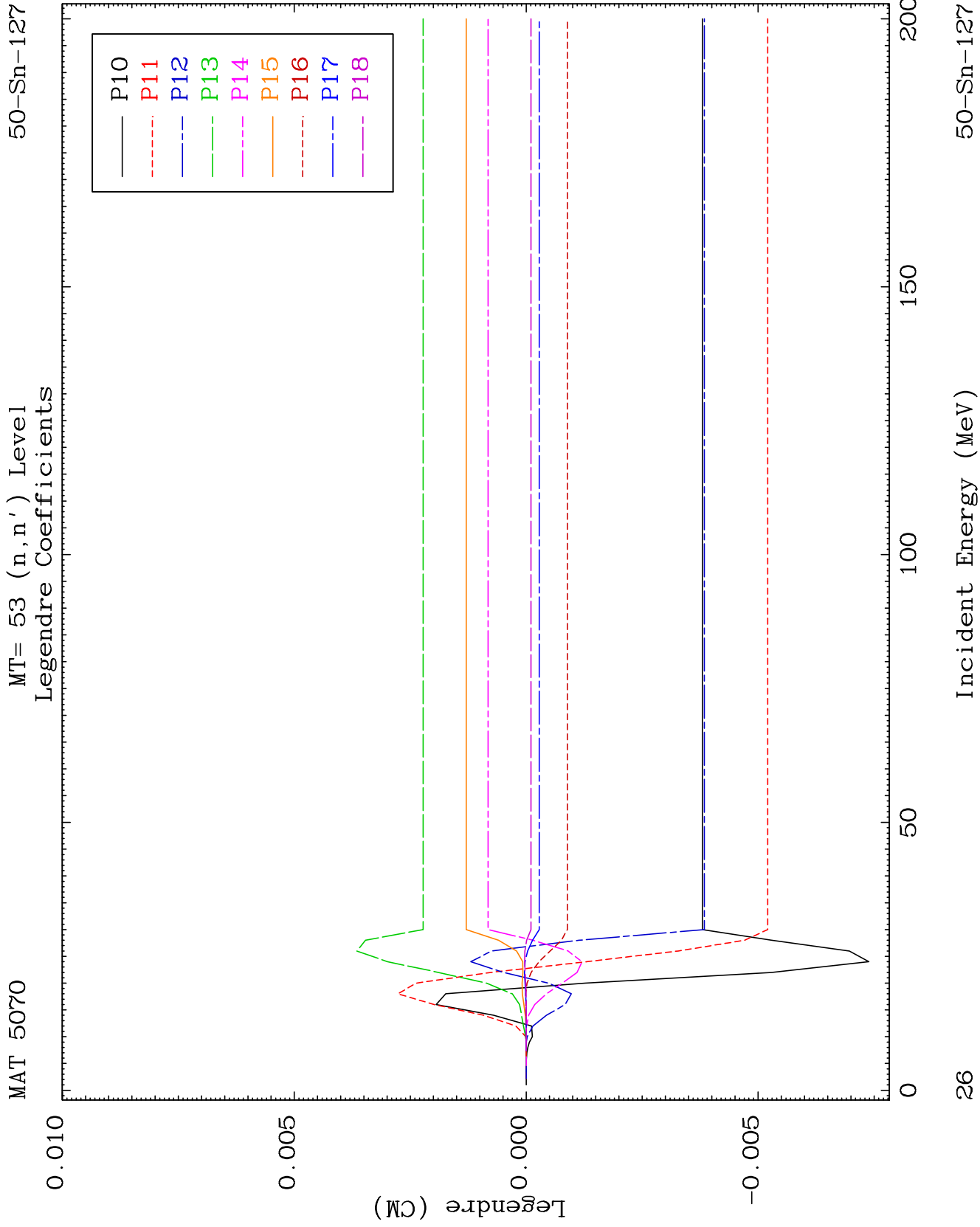


24 50-Sn-127

MAT 5070 MT= 53 (n,n') Level Legendre Coefficients 50-Sn-127



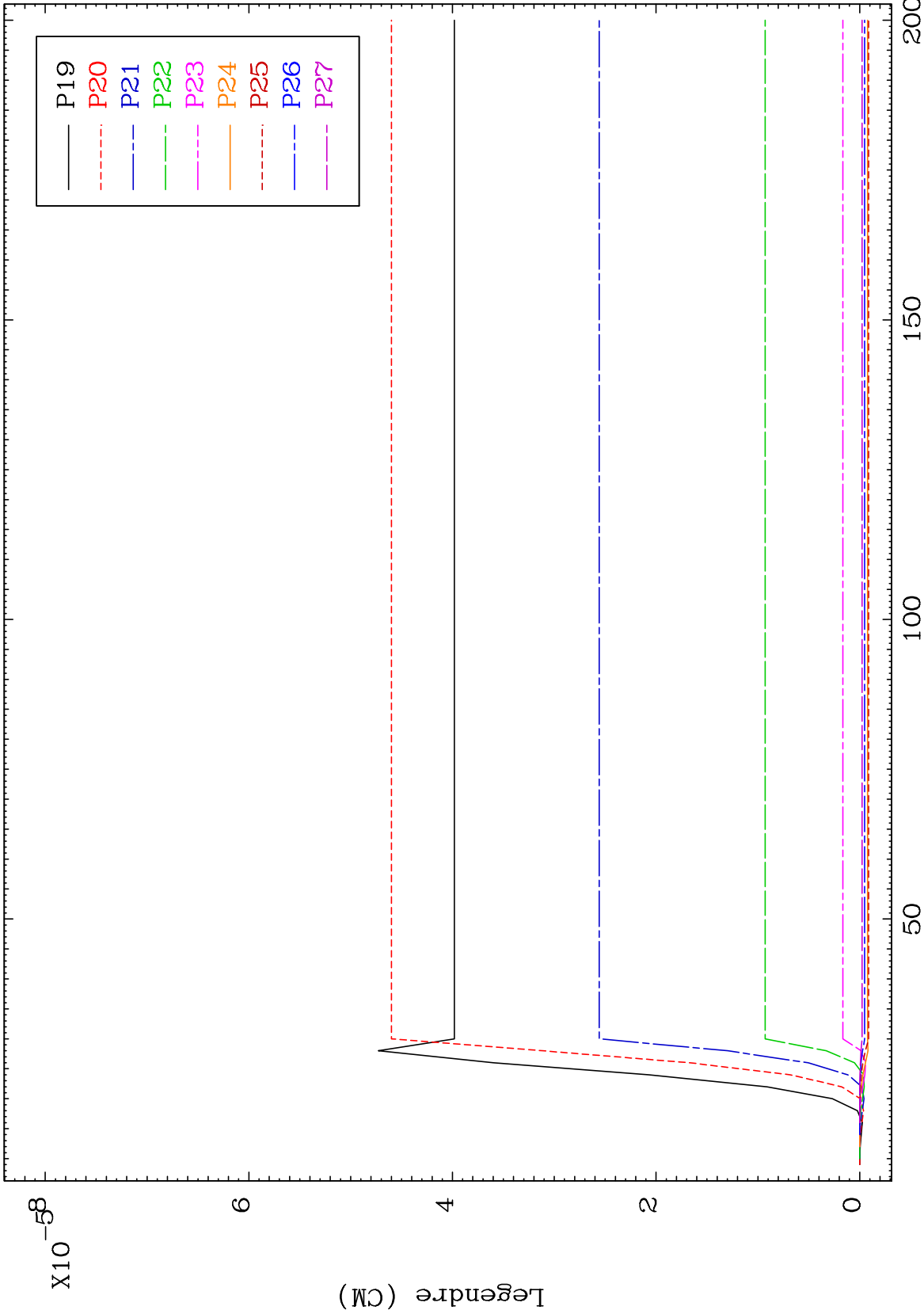
Legendre (CM) Incident Energy (MeV) 50-Sn-127



MAT 5070

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

50-Sn-127

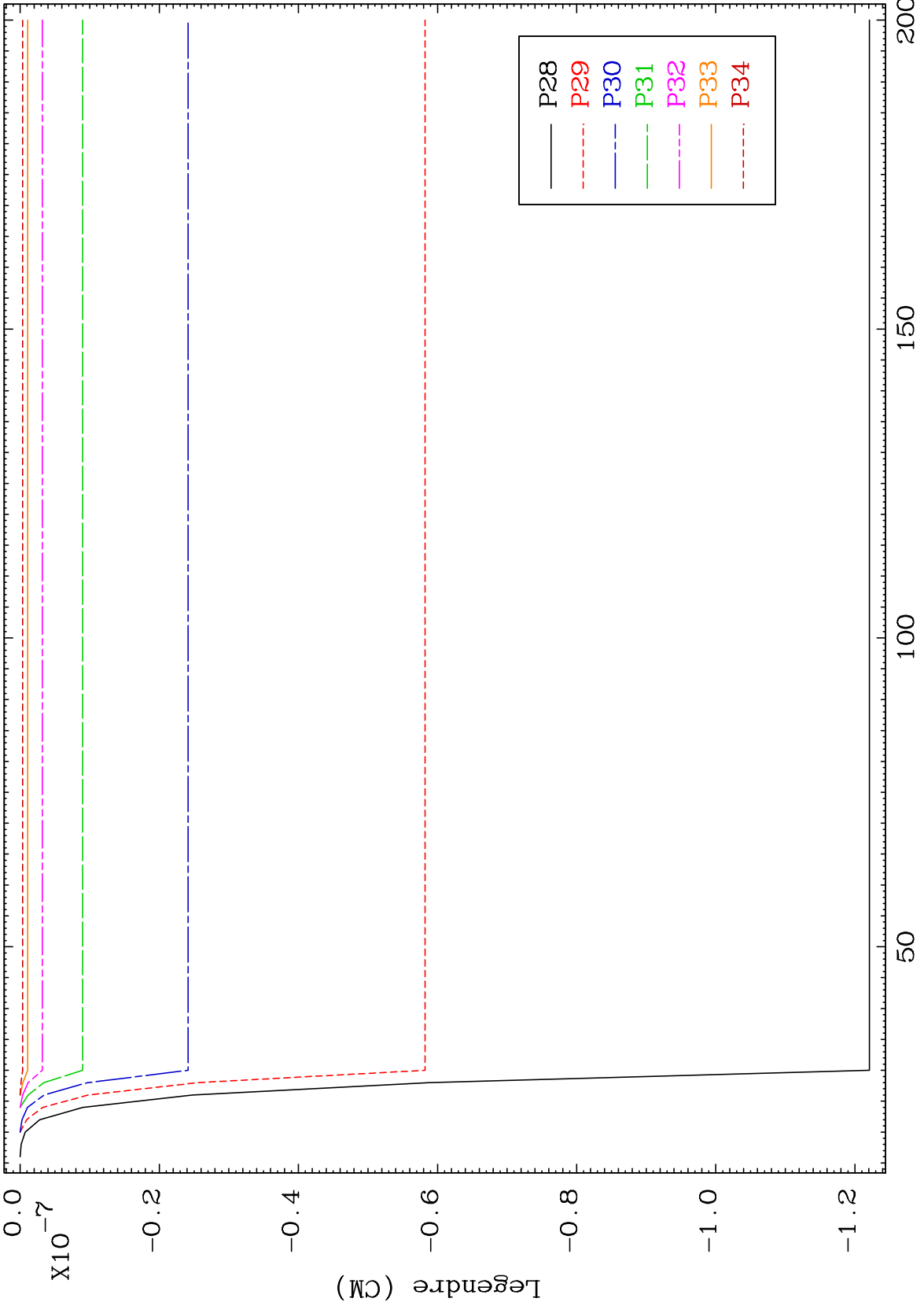


27

Incident Energy (MeV)

50-Sn-127

MAT 5070 MT= 53 (n,n') Level Legendre Coefficients 50-Sn-127

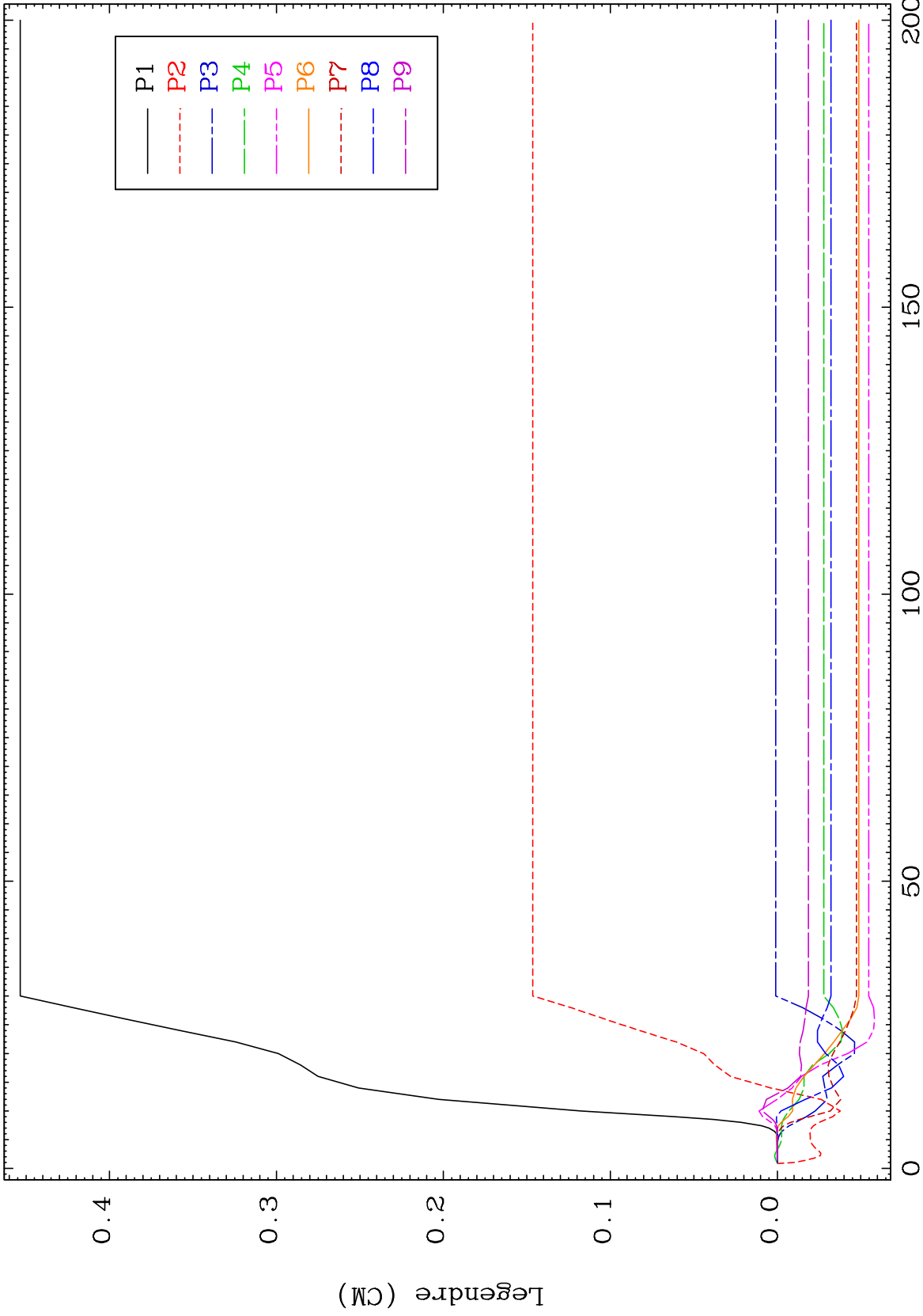


28 Incident Energy (MeV) 50-Sn-127

MAT 5070

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

50-Sn-127



29

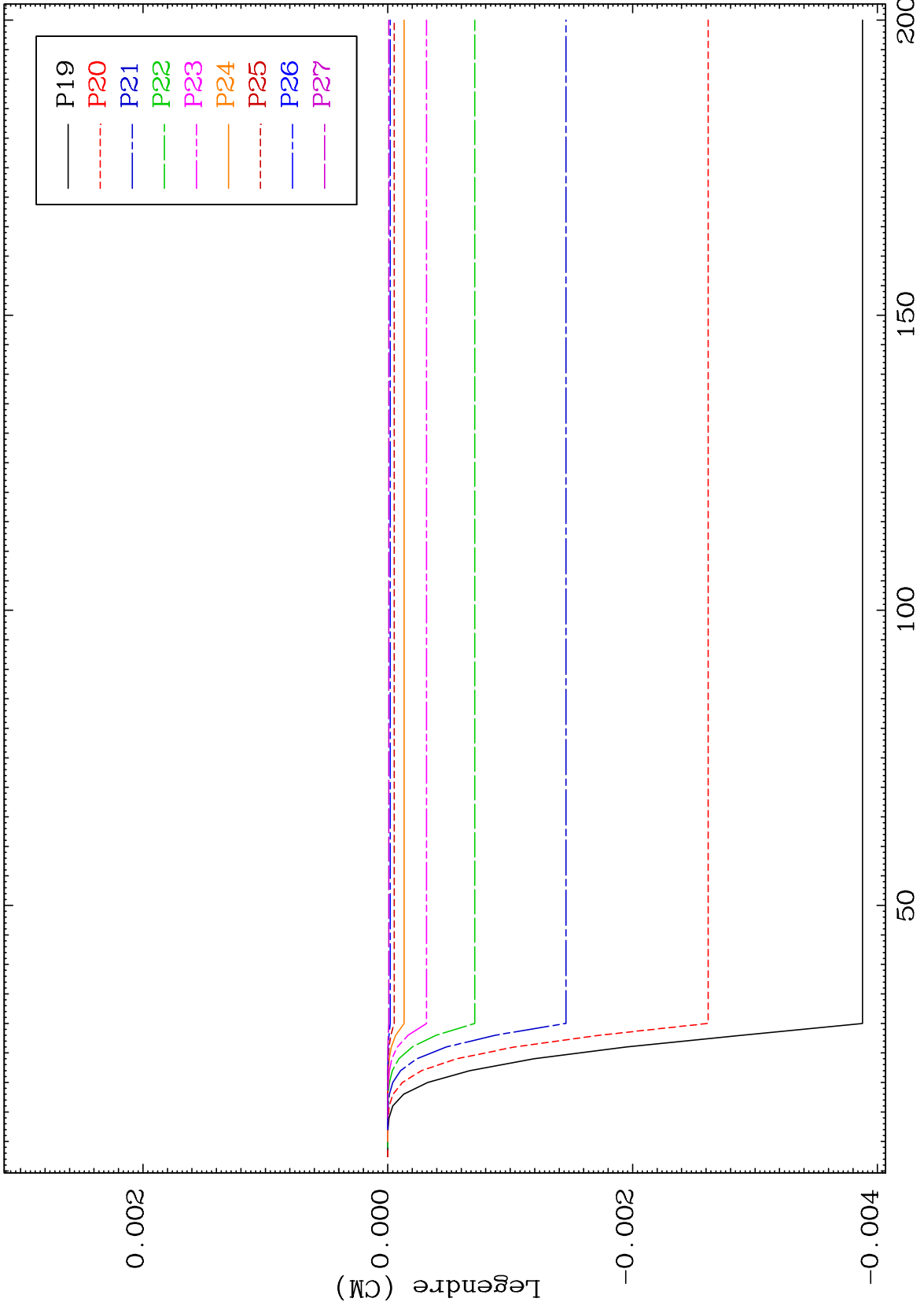
Incident Energy (MeV)

50-Sn-127

MAT 5070

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

50-Sn-127



31

Incident Energy (MeV)

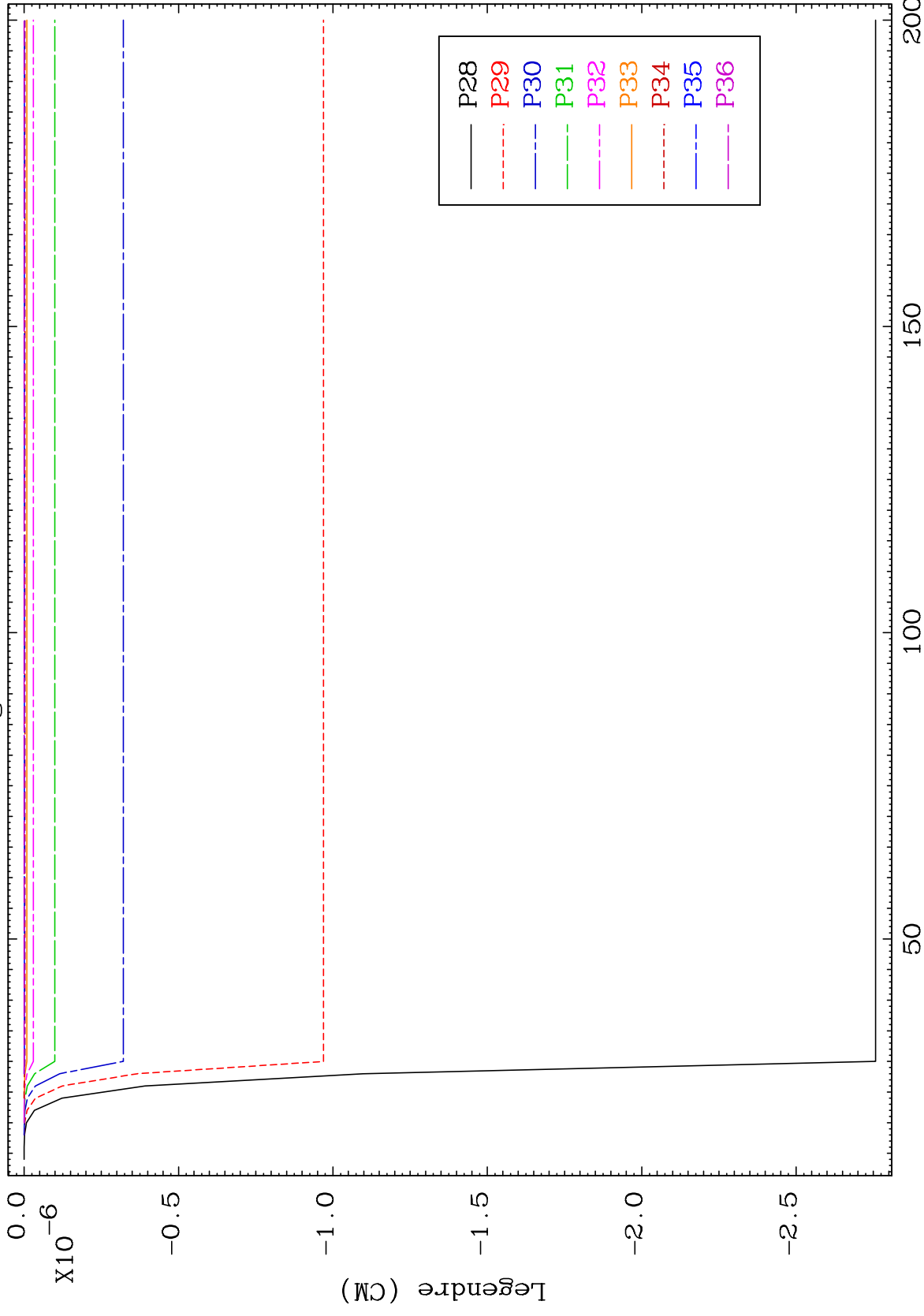
50-Sn-127

MAT 5070

MT= 54 (n,n') Level

50-Sn-127

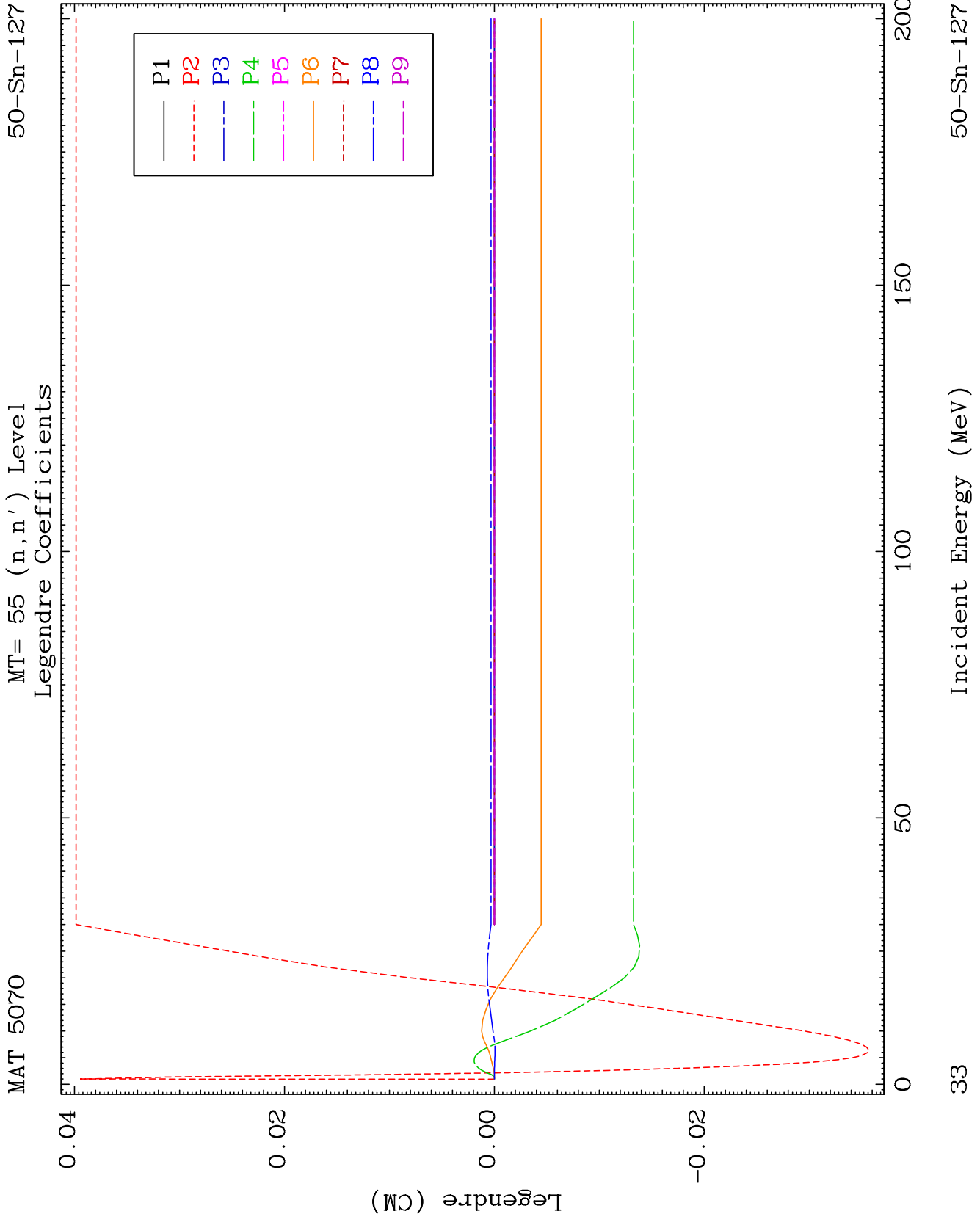
Legendre Coefficients



50-Sn-127

Incident Energy (MeV)

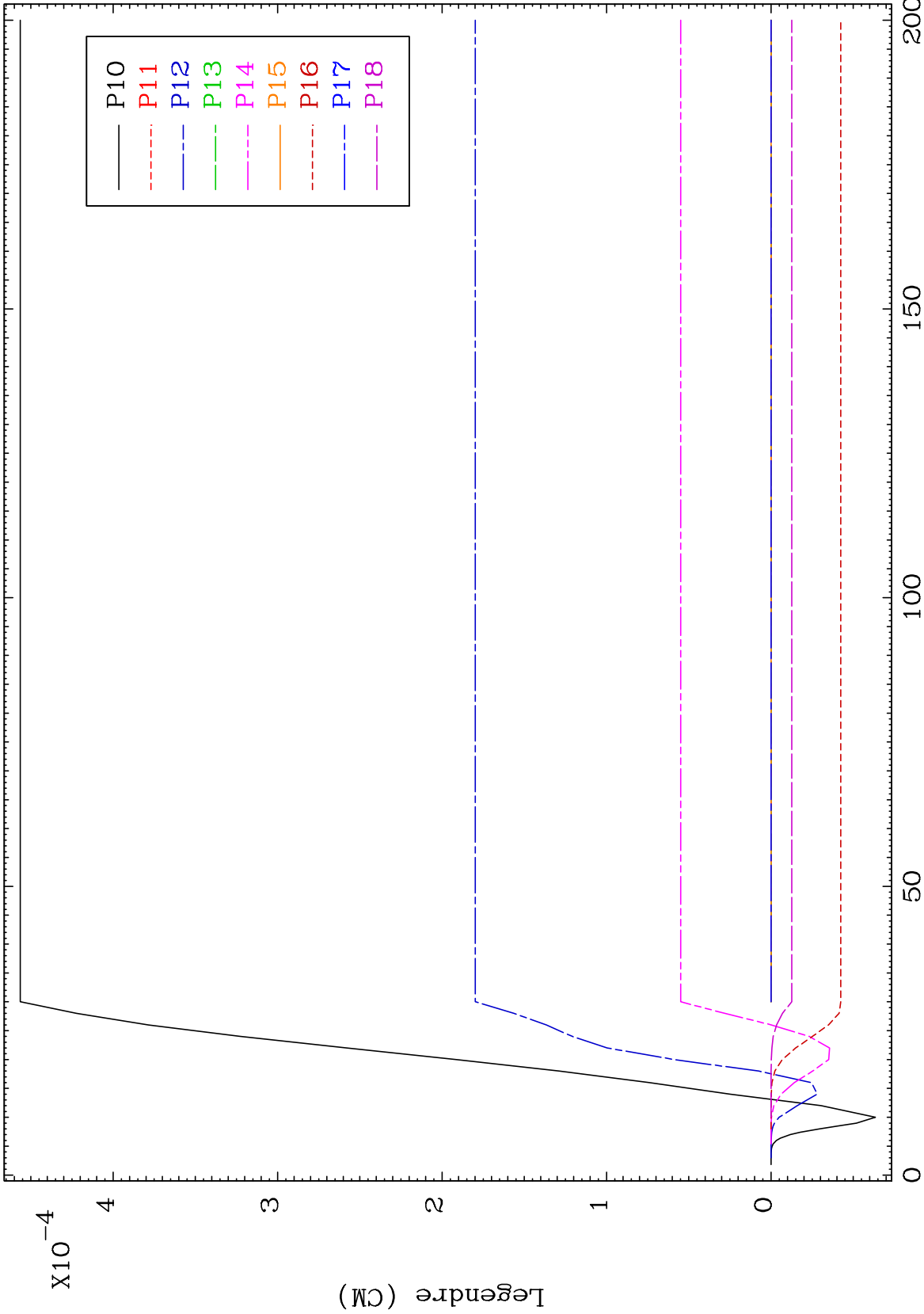
32



MAT 5070

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

50-Sn-127

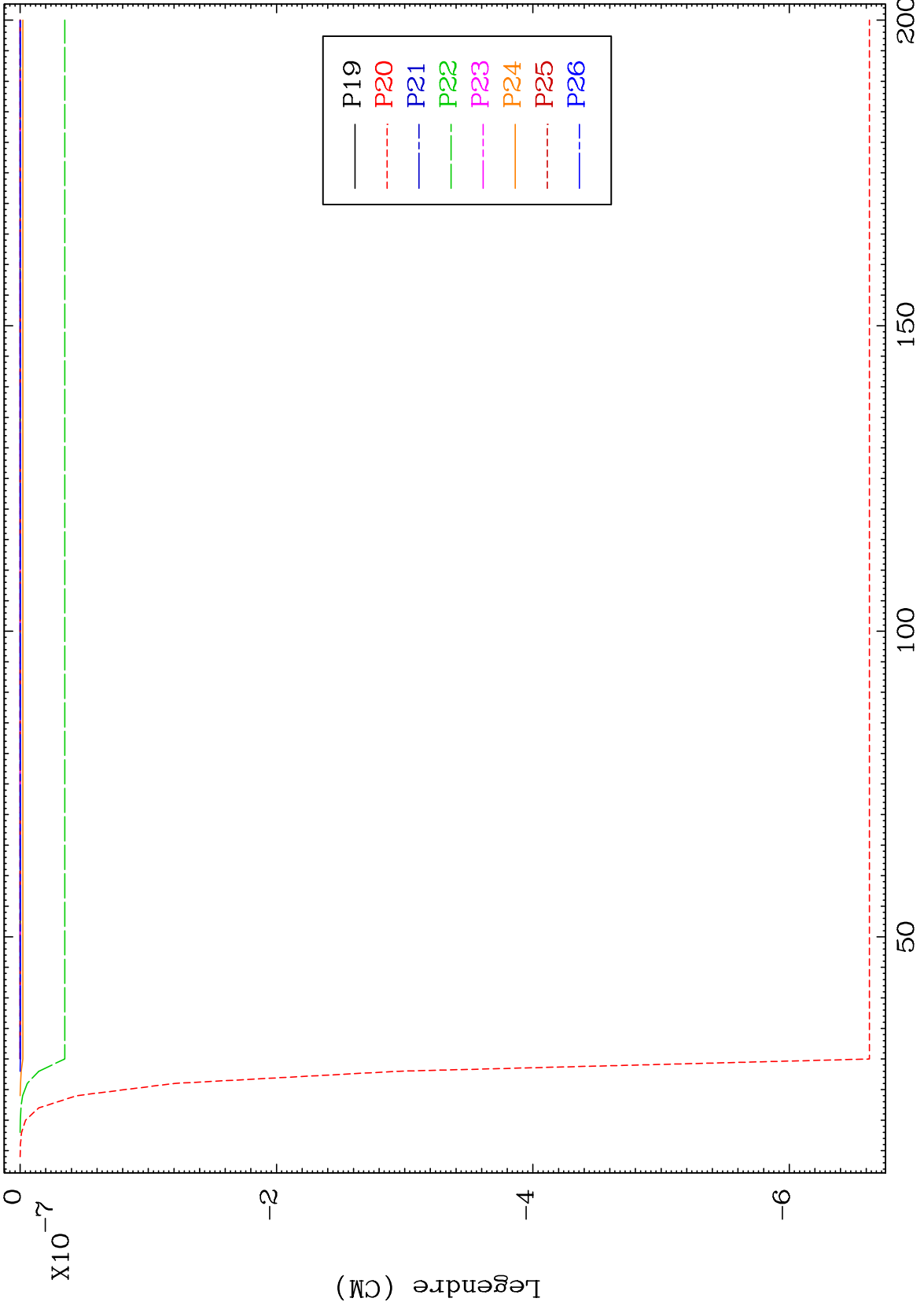


34

Incident Energy (MeV)

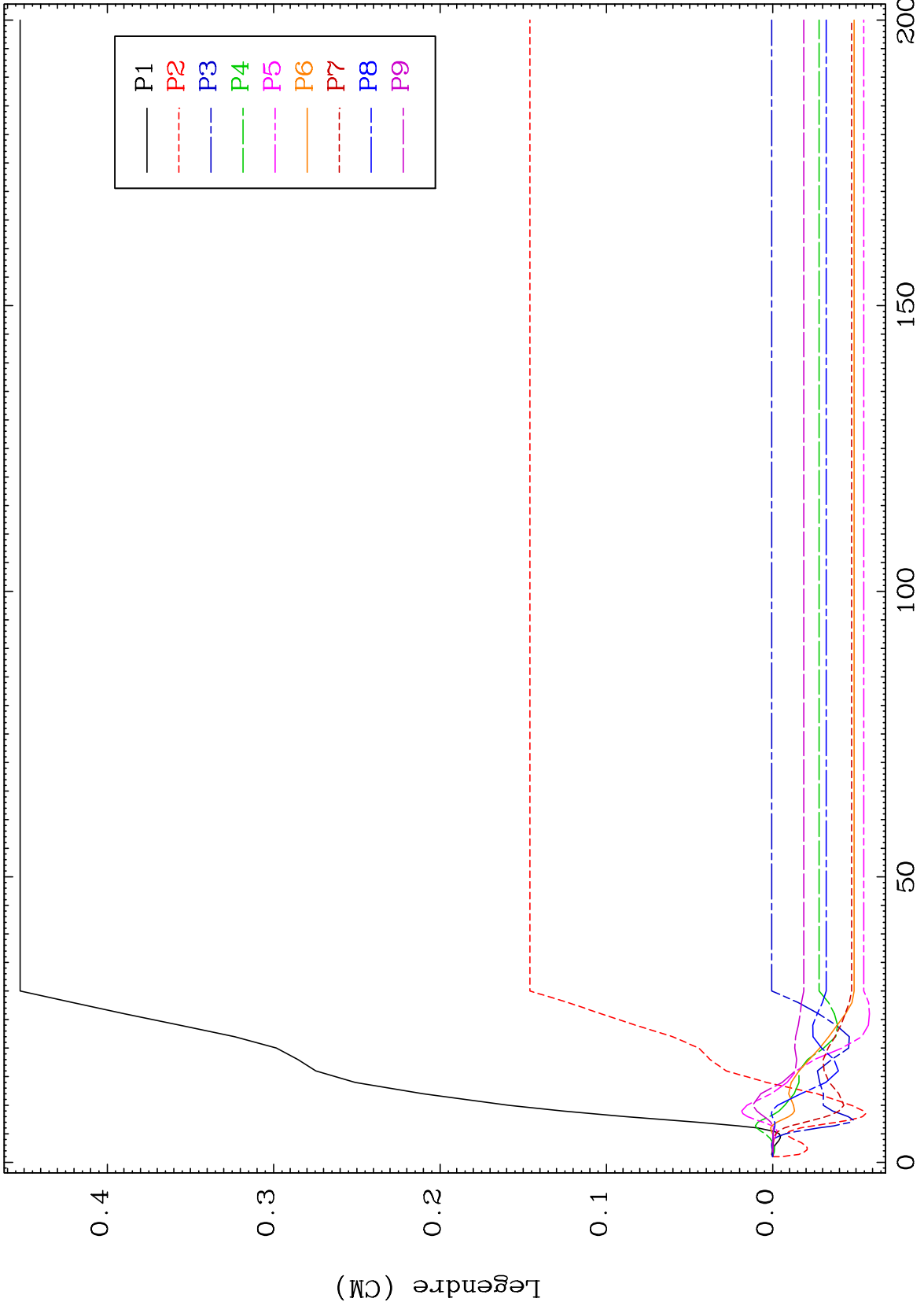
50-Sn-127

MAT 5070 MT= 55 (n,n') Level Legendre Coefficients 50-Sn-127



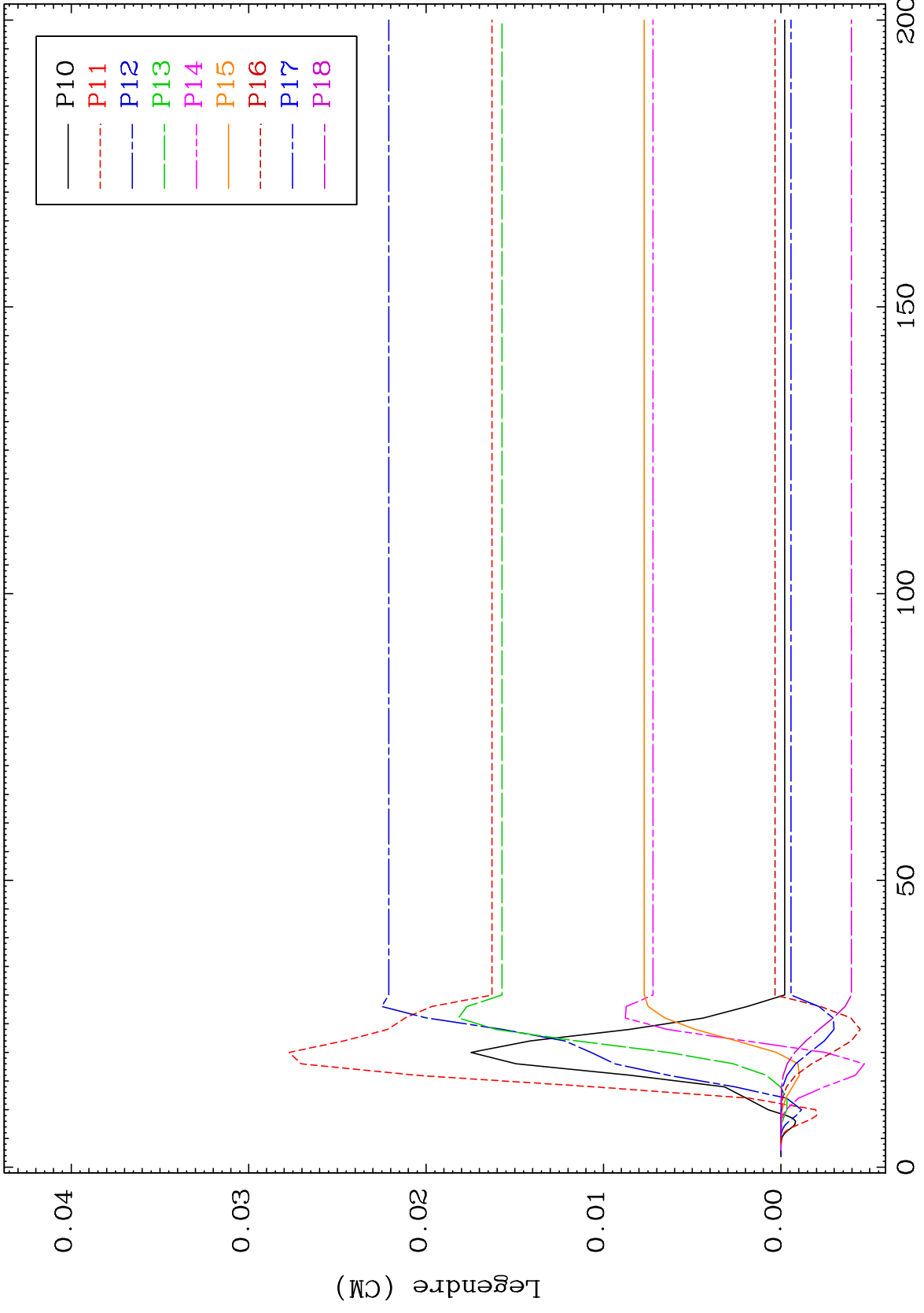
35 Incident Energy (MeV) 50-Sn-127

MAT 5070 MT= 56 (n,n') Level Legendre Coefficients 50-Sn-127



36 50-Sn-127

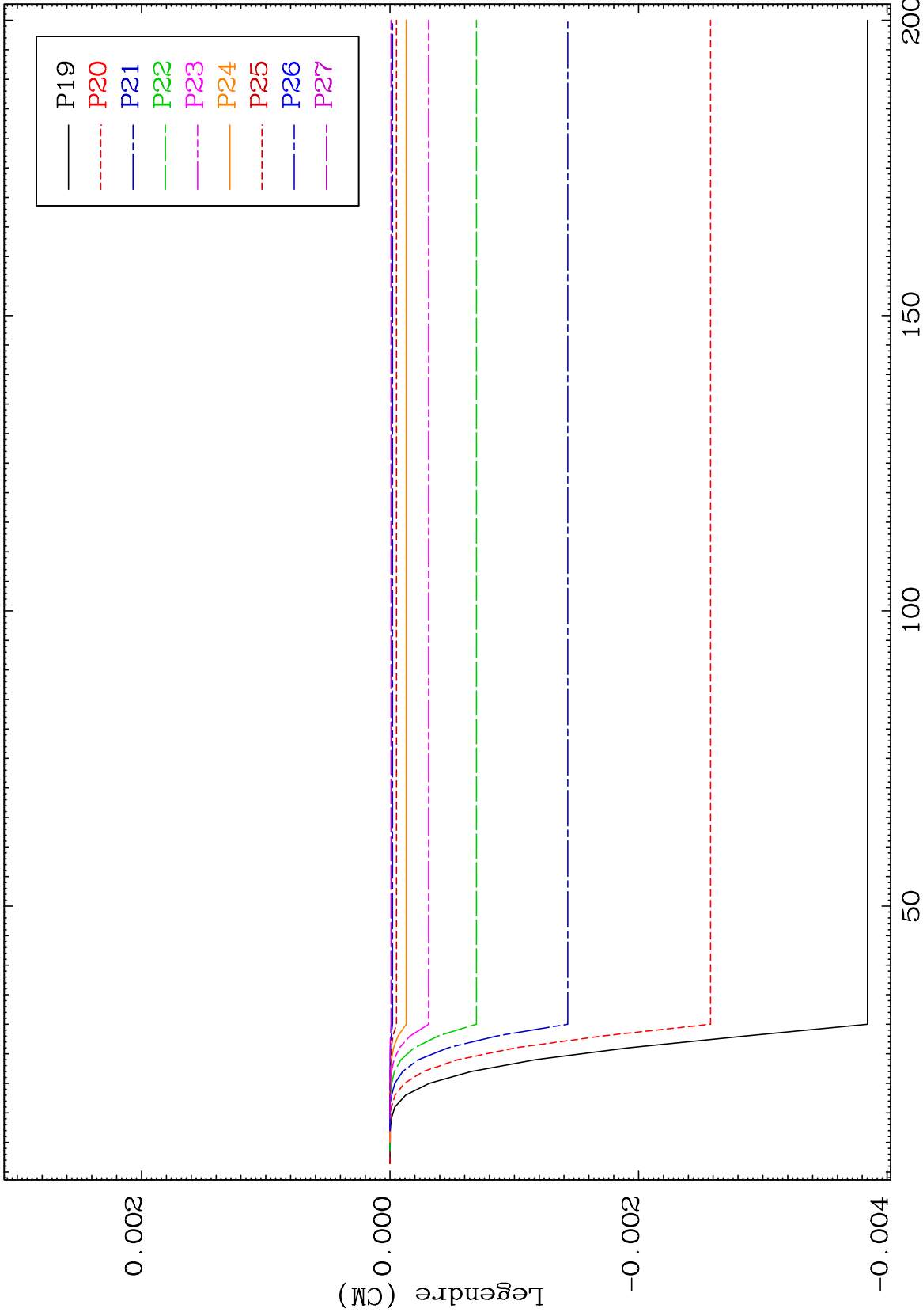
MAT 5070 MT= 56 (n,n') Level Legendre Coefficients 50-Sn-127



MAT 5070

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

50-Sn-127

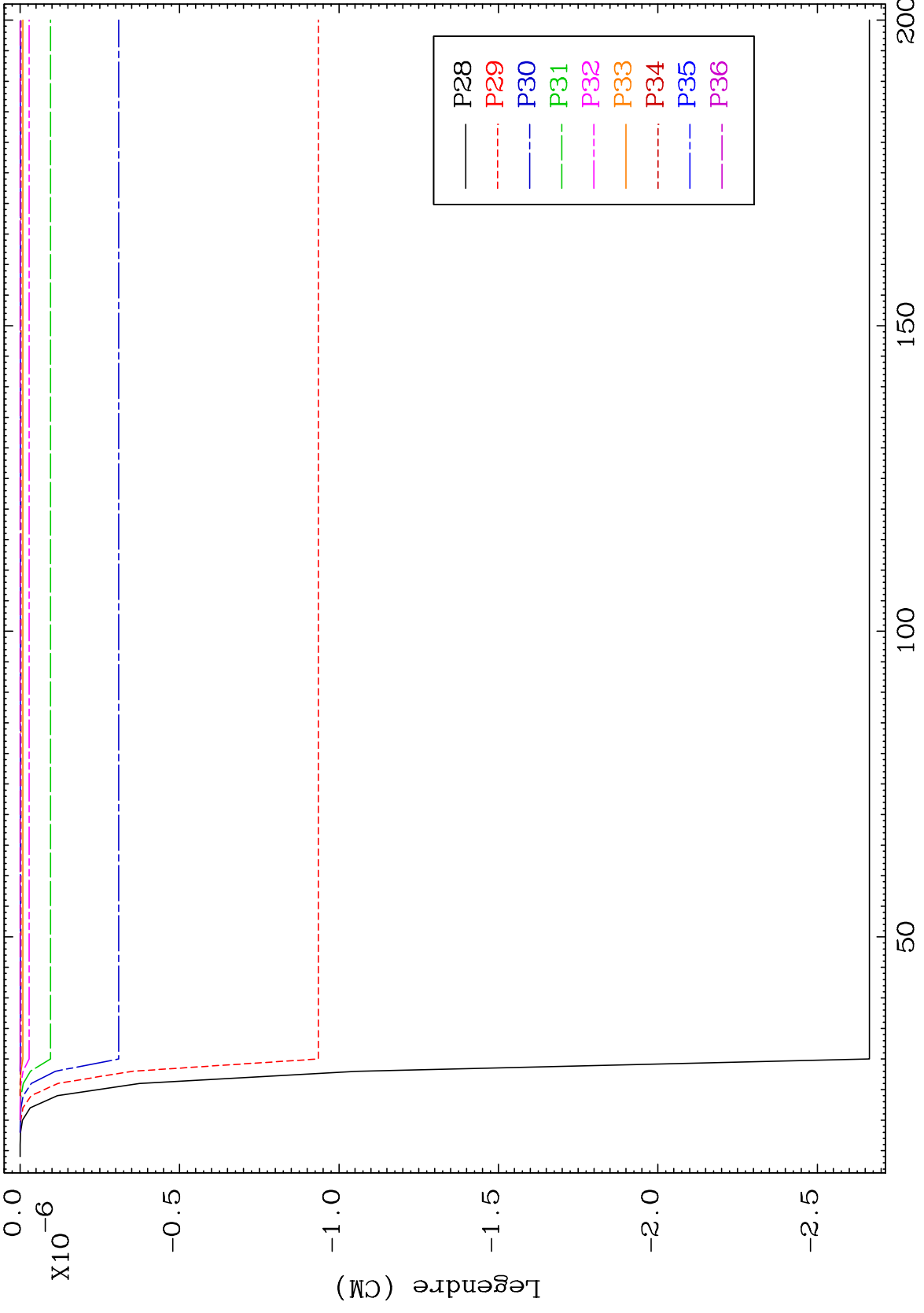


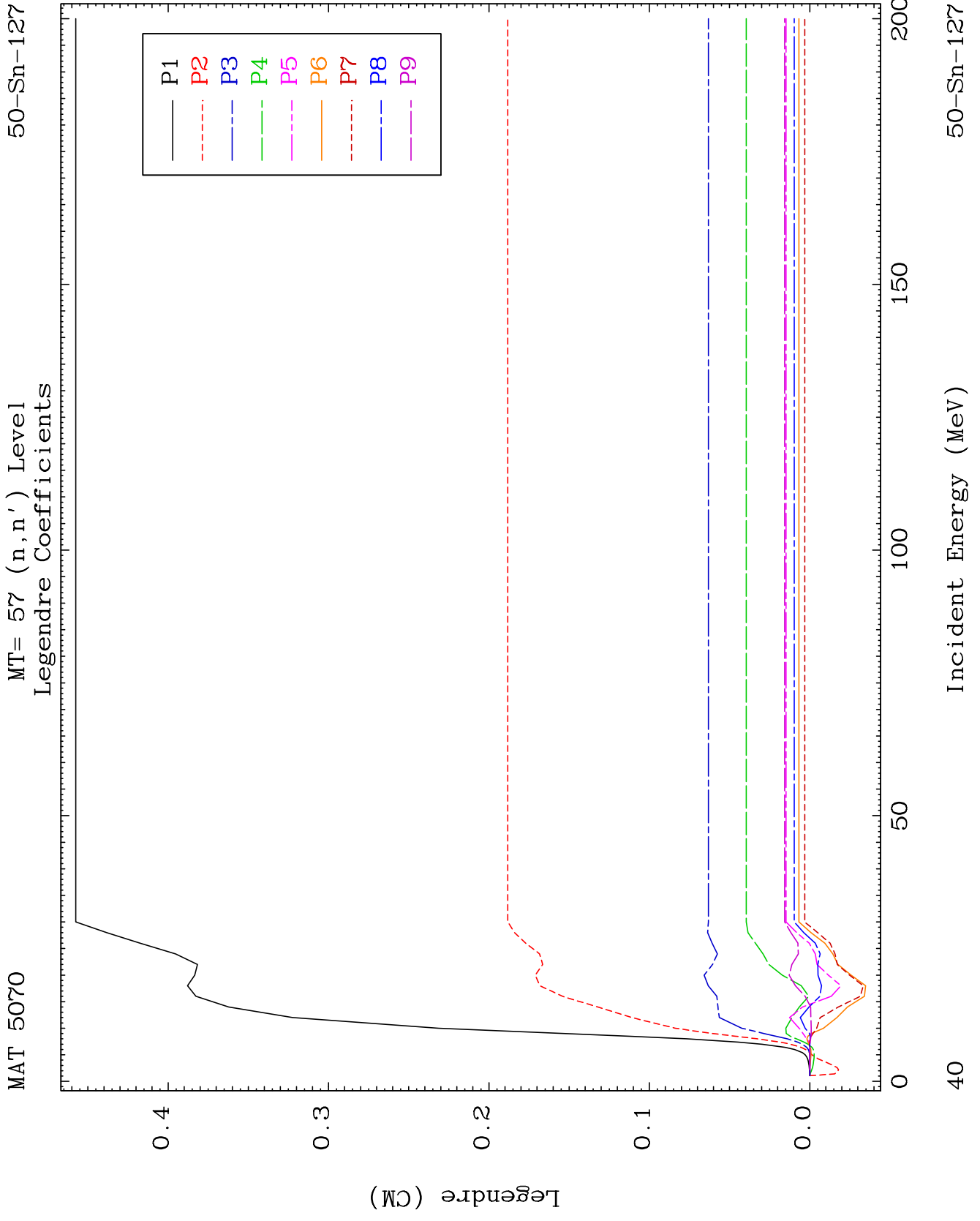
38

Incident Energy (MeV)

50-Sn-127

MAT 5070 MT= 56 (n,n') Level Legendre Coefficients 50-Sn-127

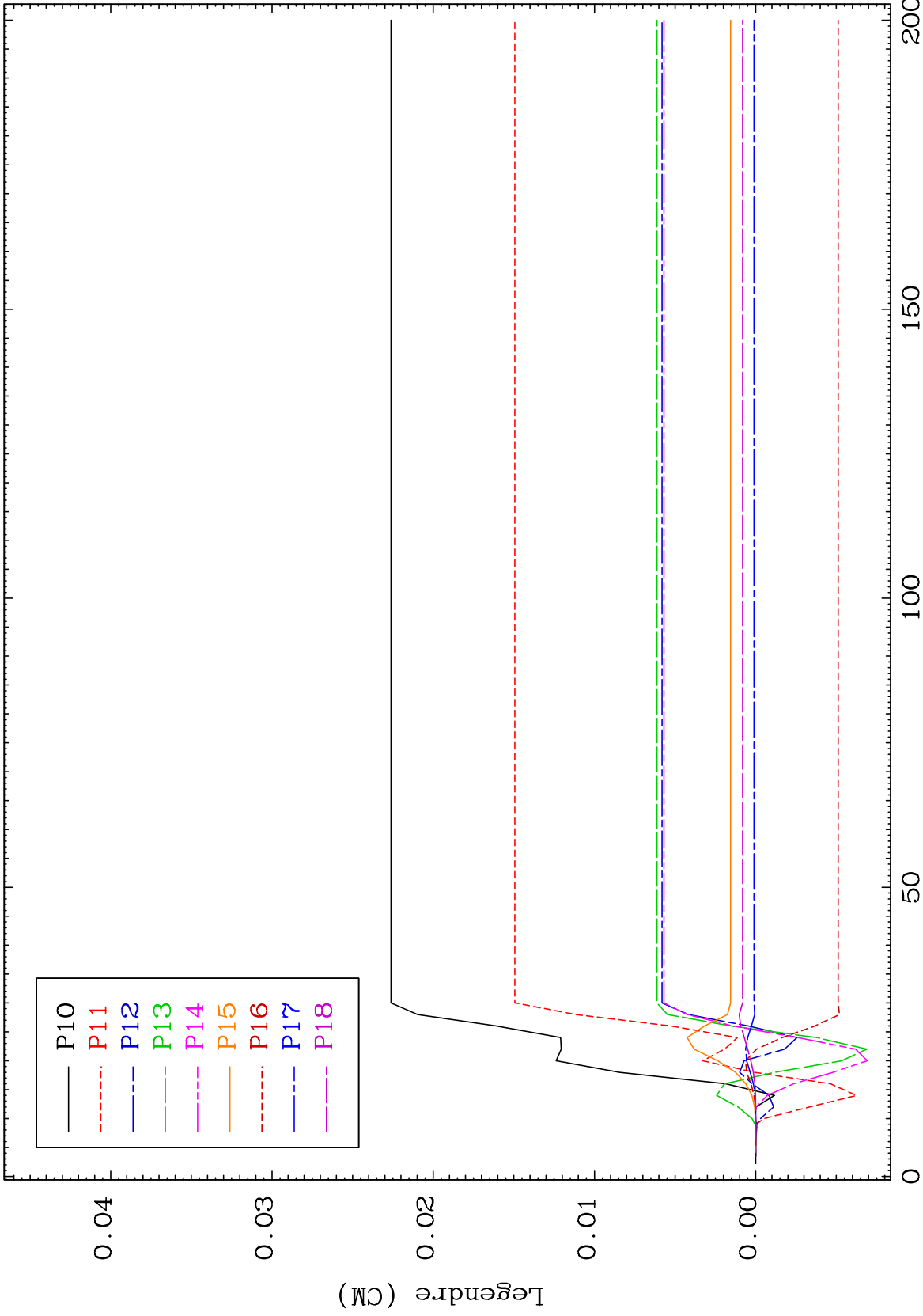




MAT 5070

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

50-Sn-127



41

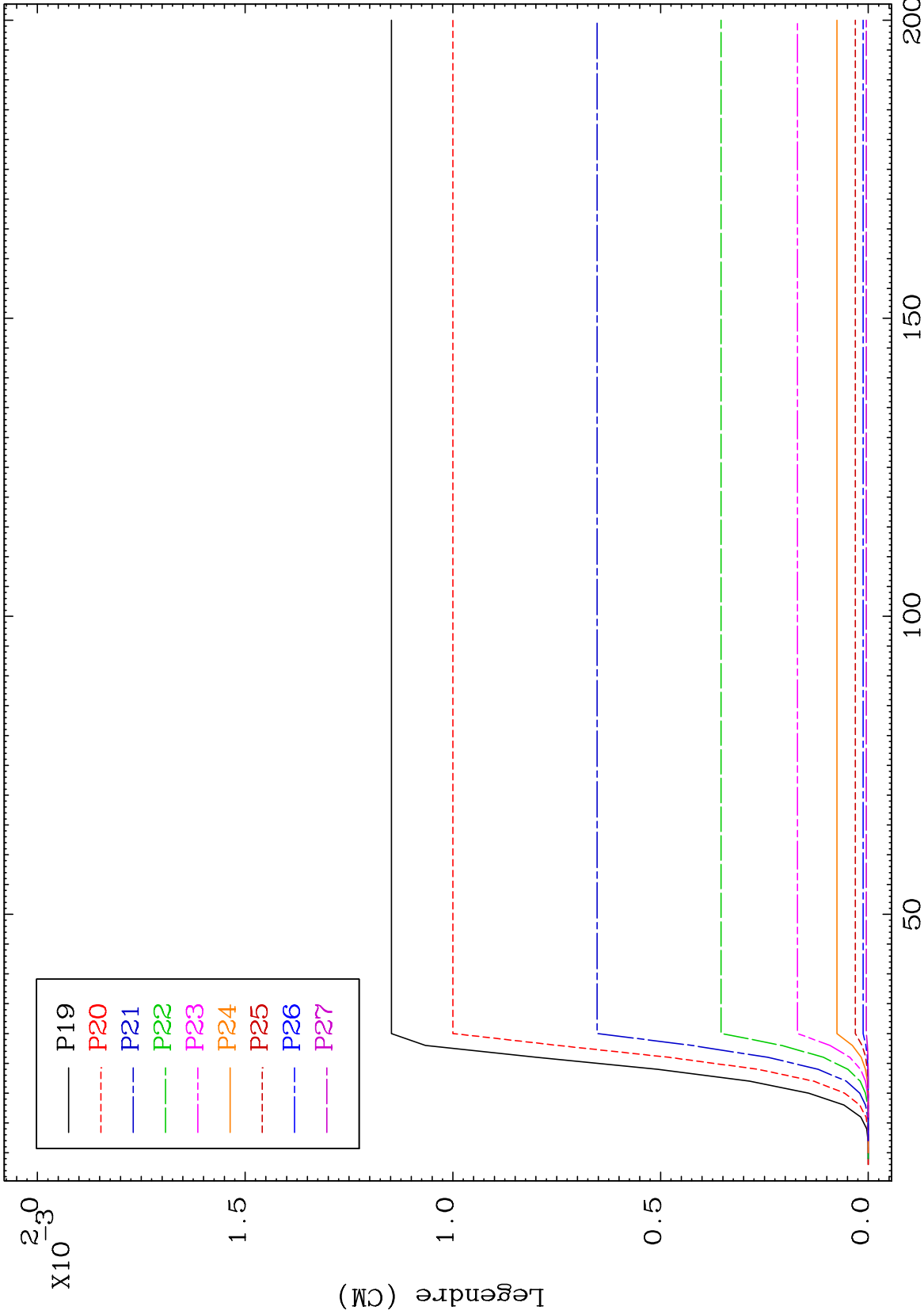
Incident Energy (MeV)

50-Sn-127

MAT 5070

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

50-Sn-127



42

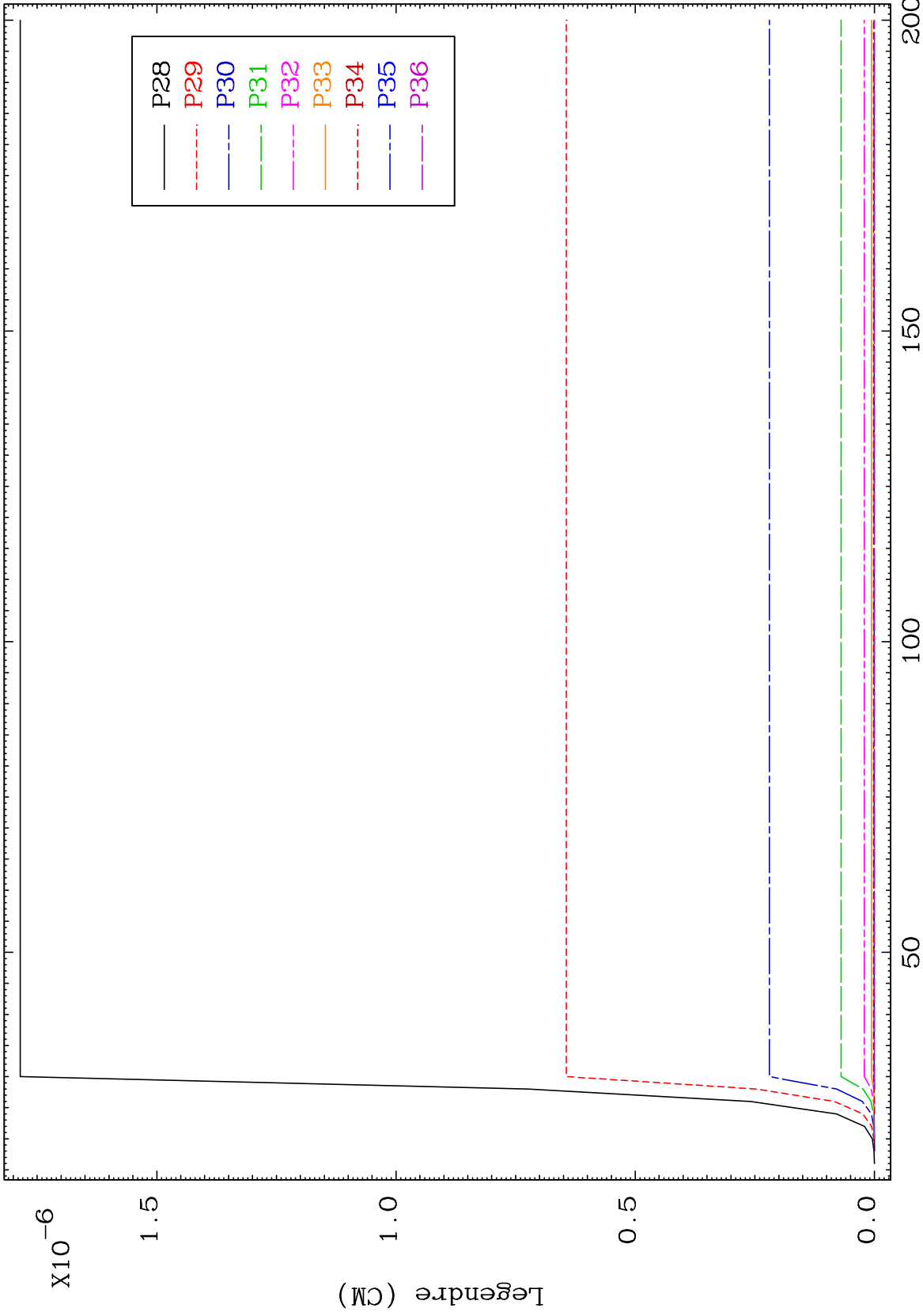
Incident Energy (MeV)

50-Sn-127

MAT 5070

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

50-Sn-127

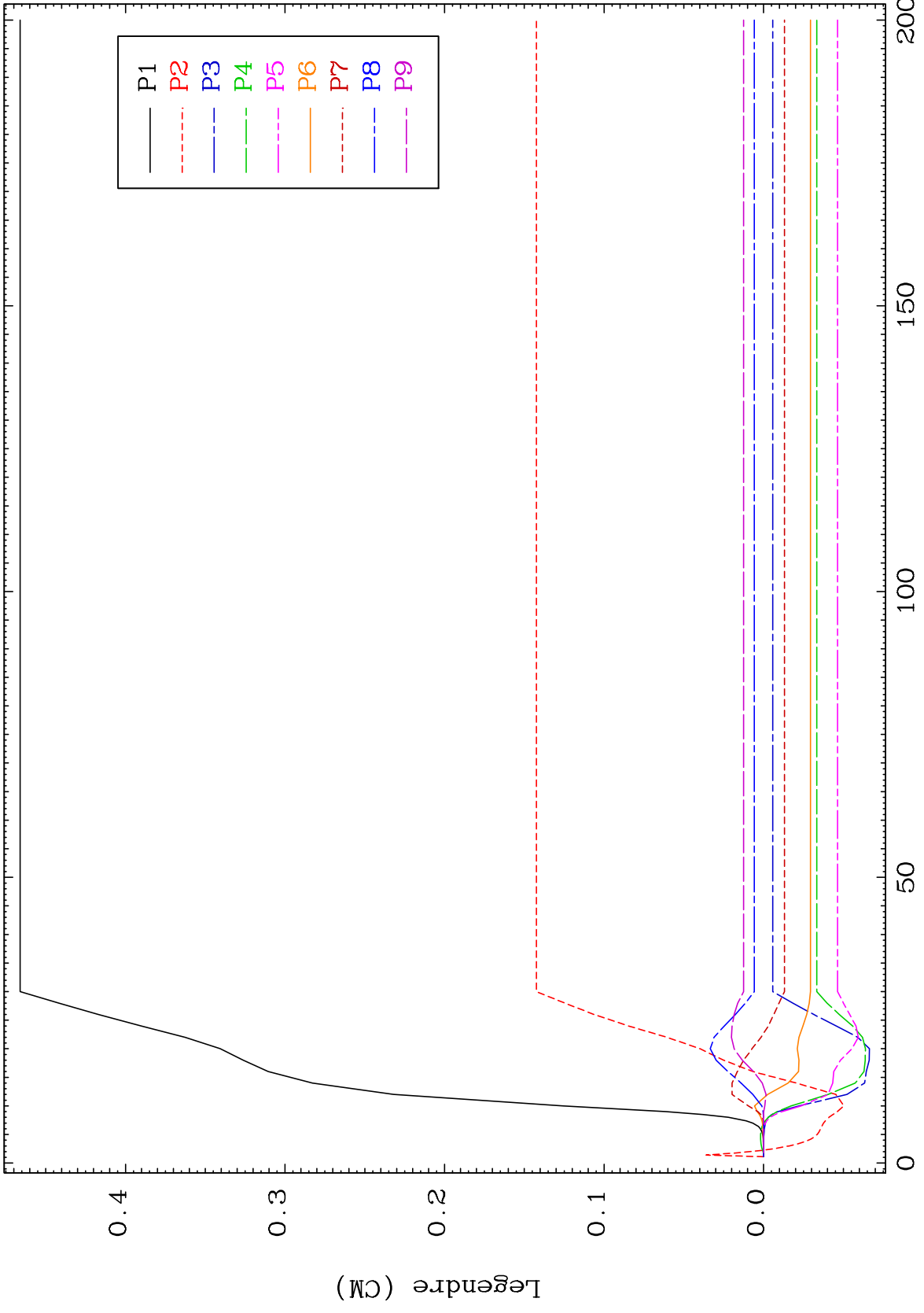


43

Incident Energy (MeV)

50-Sn-127

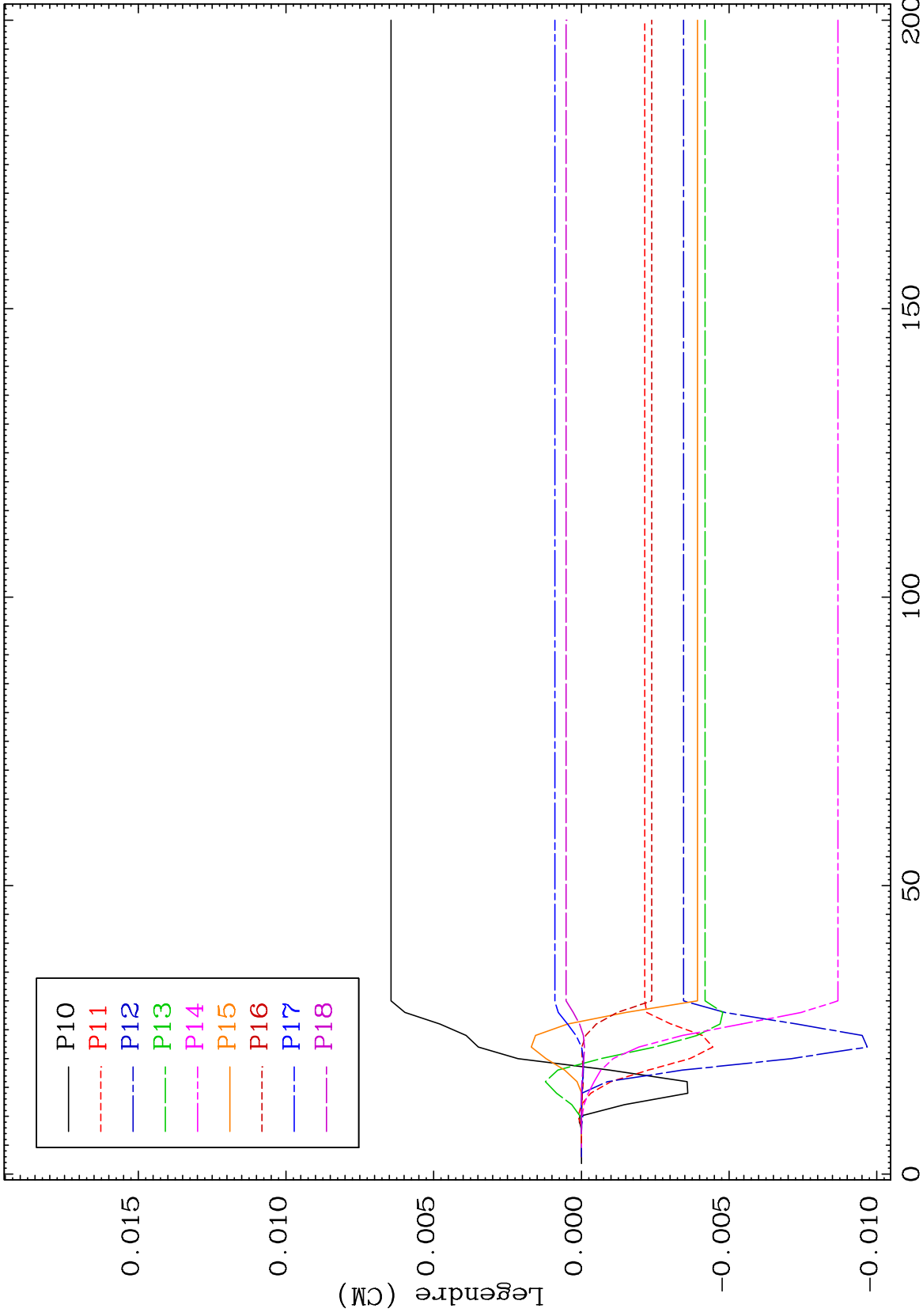
MAT 5070 MT= 58 (n,n') Level Legendre Coefficients 50-Sn-127



MAT 5070

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

50-Sn-127



45

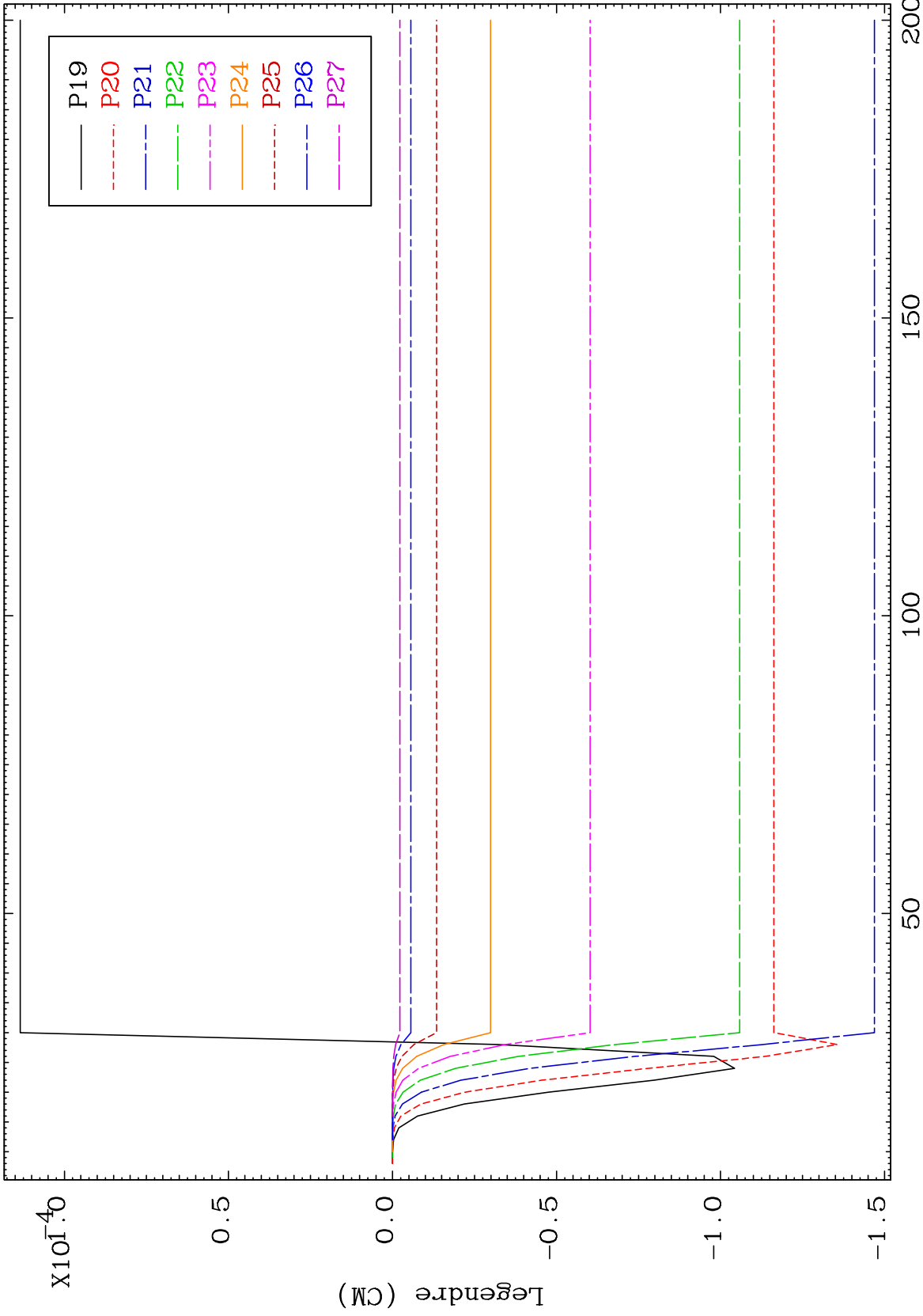
Incident Energy (MeV)

50-Sn-127

MAT 5070

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

50-Sn-127

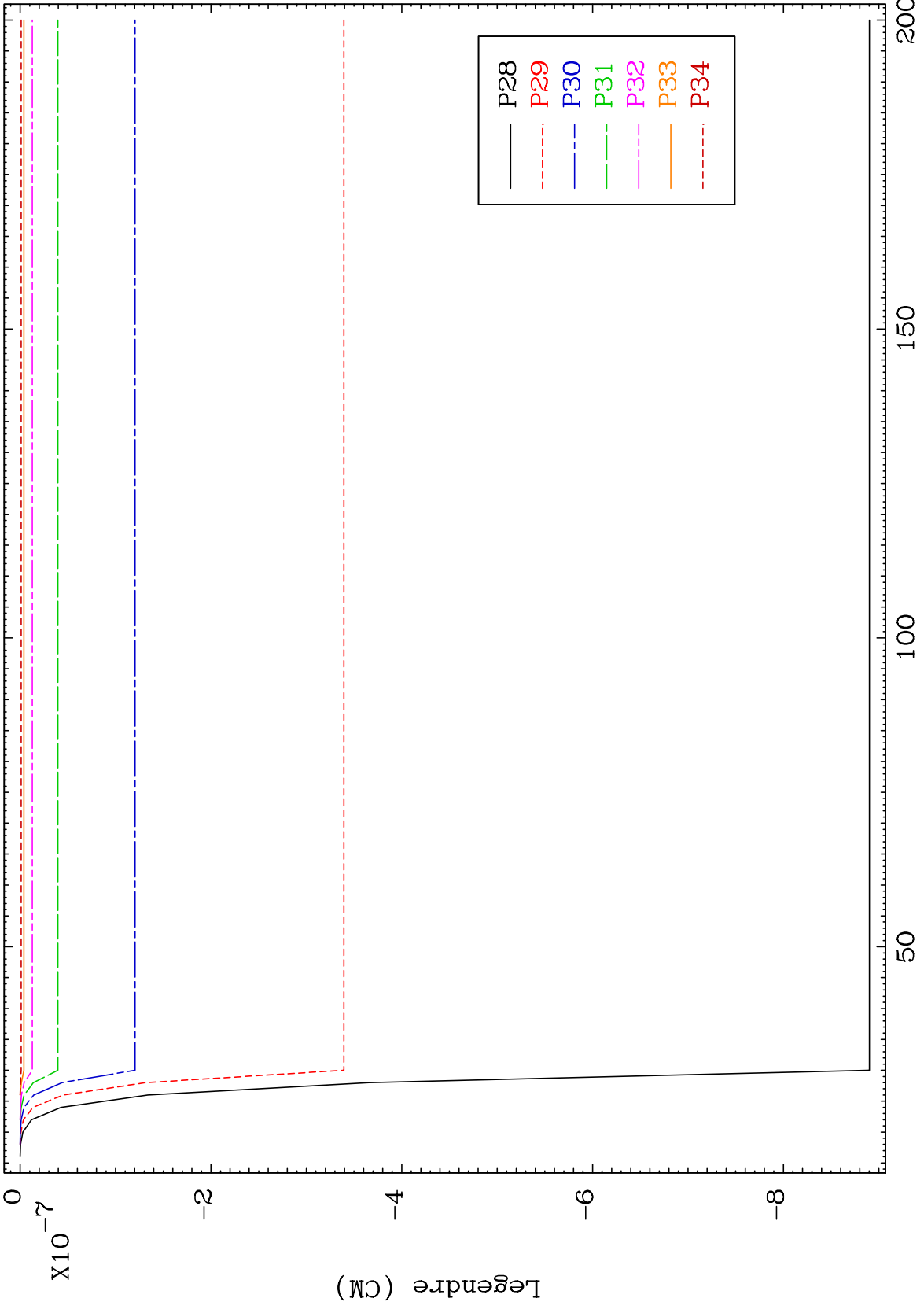


46

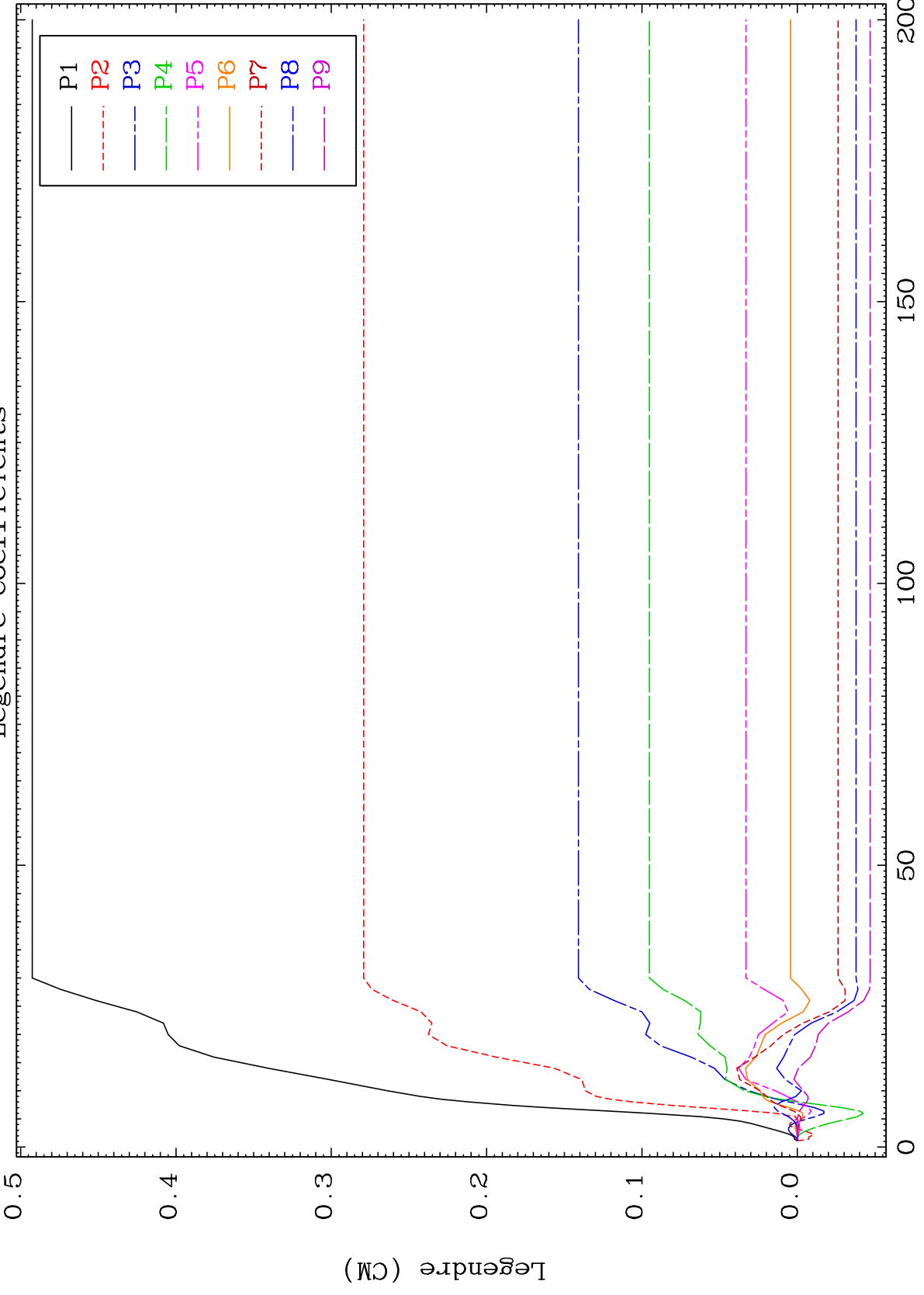
Incident Energy (MeV)

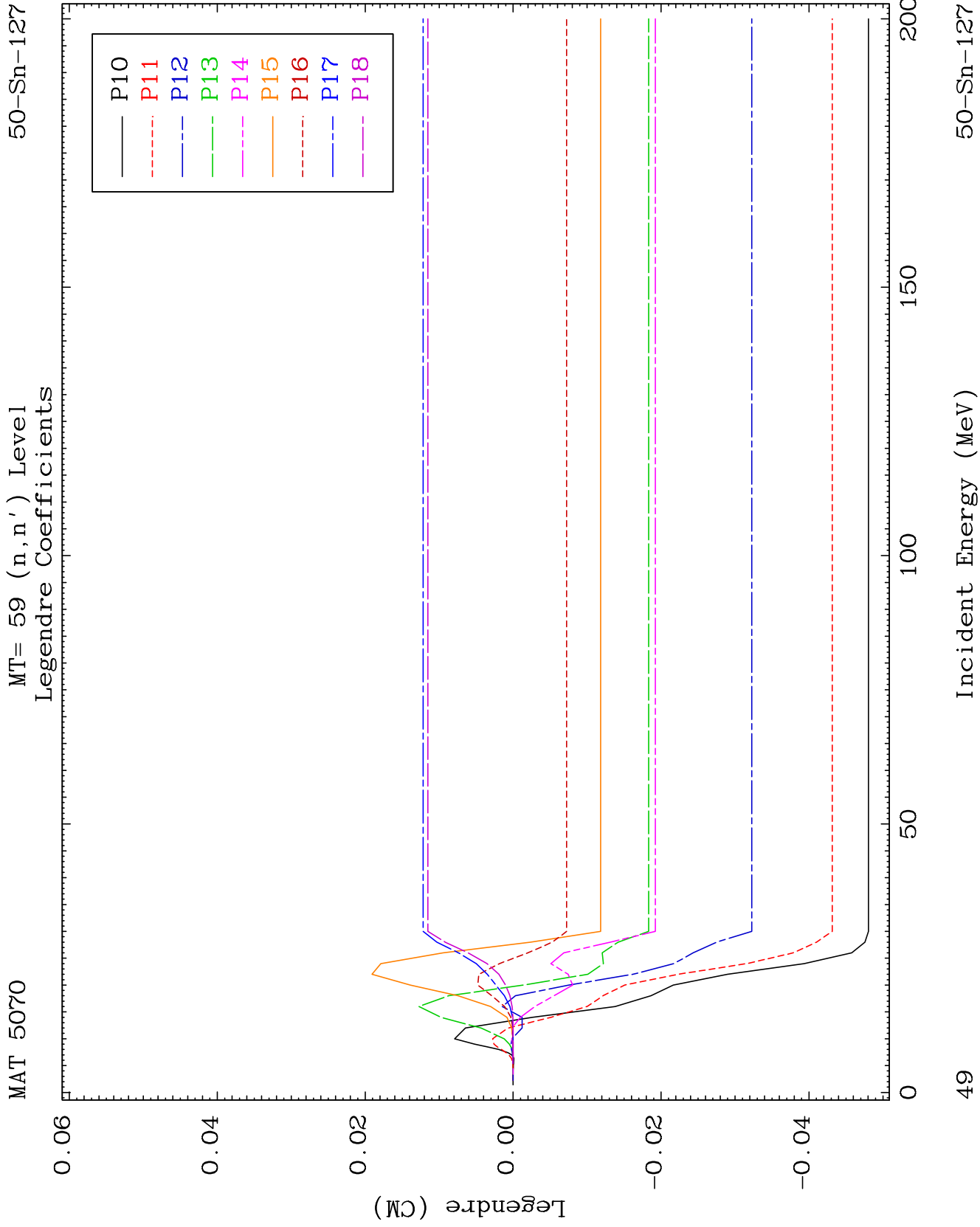
50-Sn-127

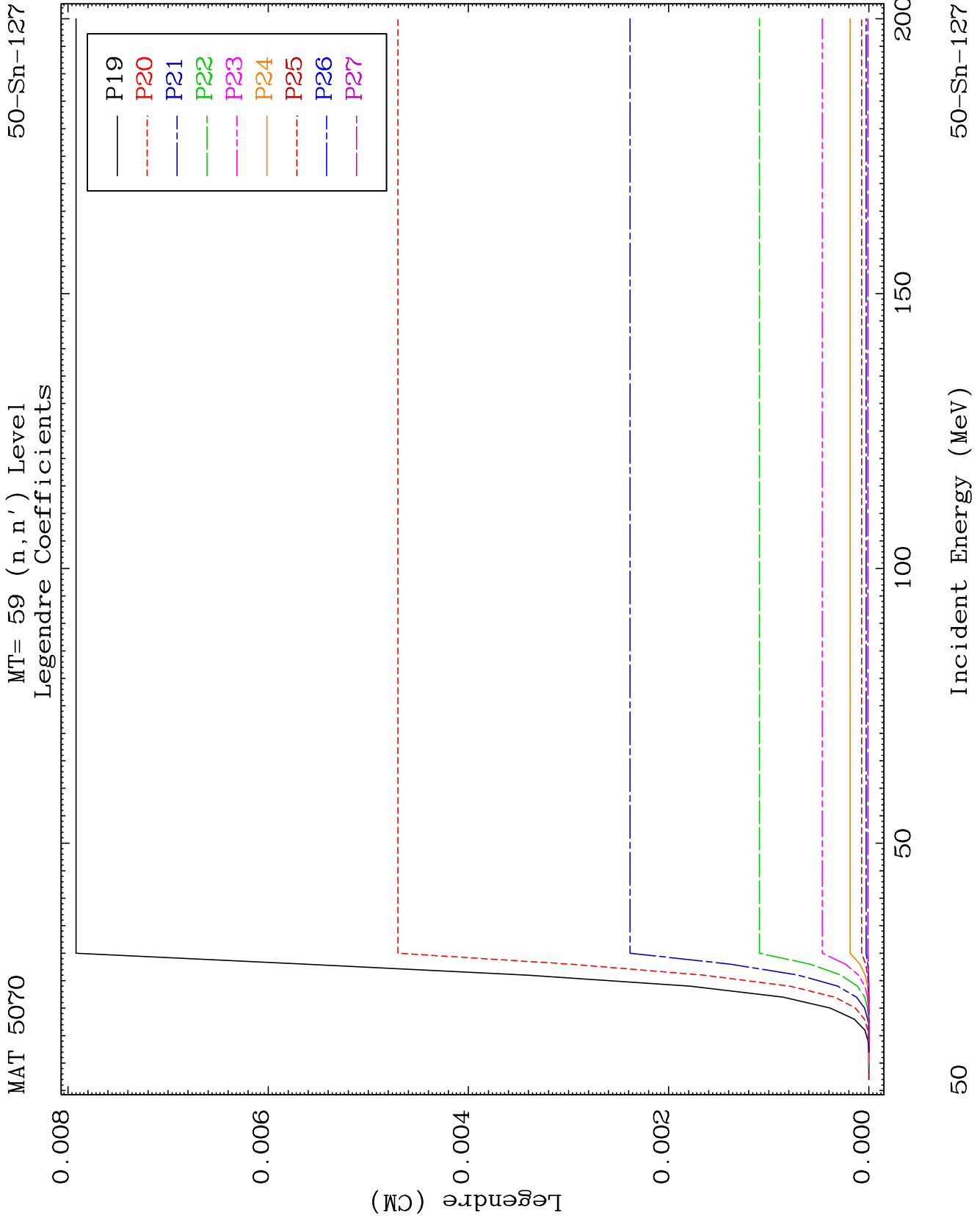
MAT 5070 MT= 58 (n,n') Level Legendre Coefficients 50-Sn-127



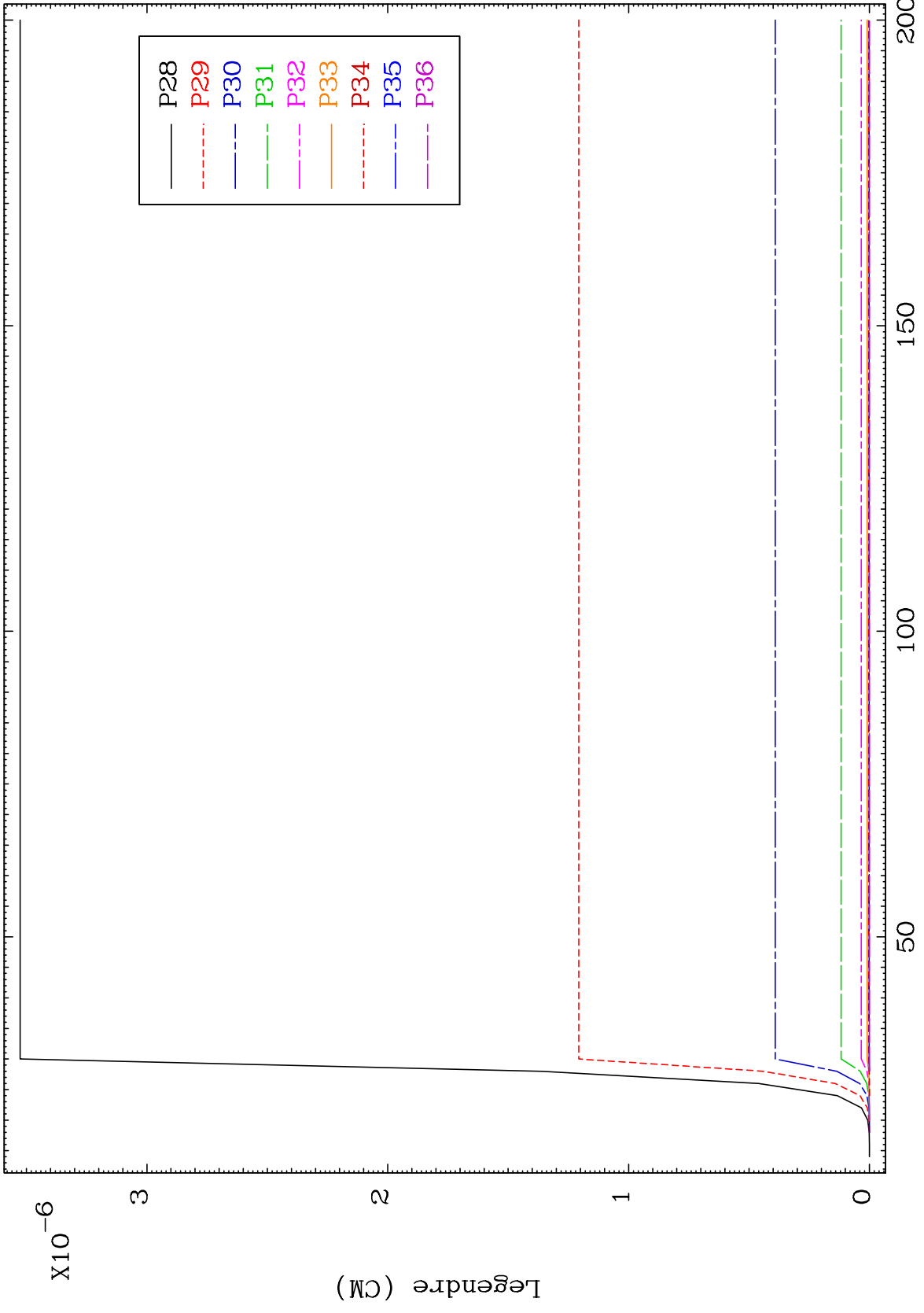
MAT 5070 MT= 59 (n,n') Level Legendre Coefficients 50-Sn-127



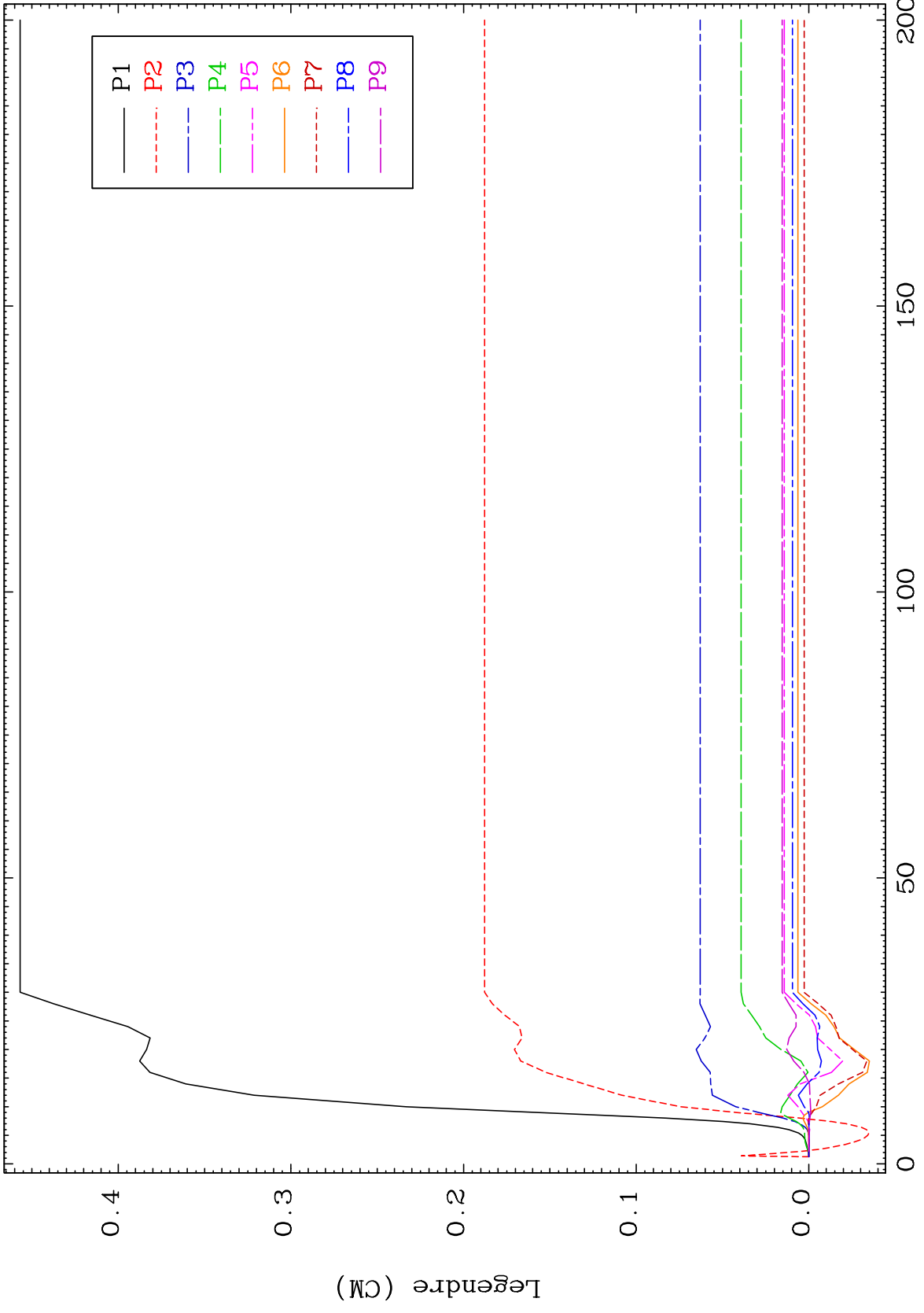




MAT 5070 MT= 59 (n,n') Level Legendre Coefficients 50-Sn-127

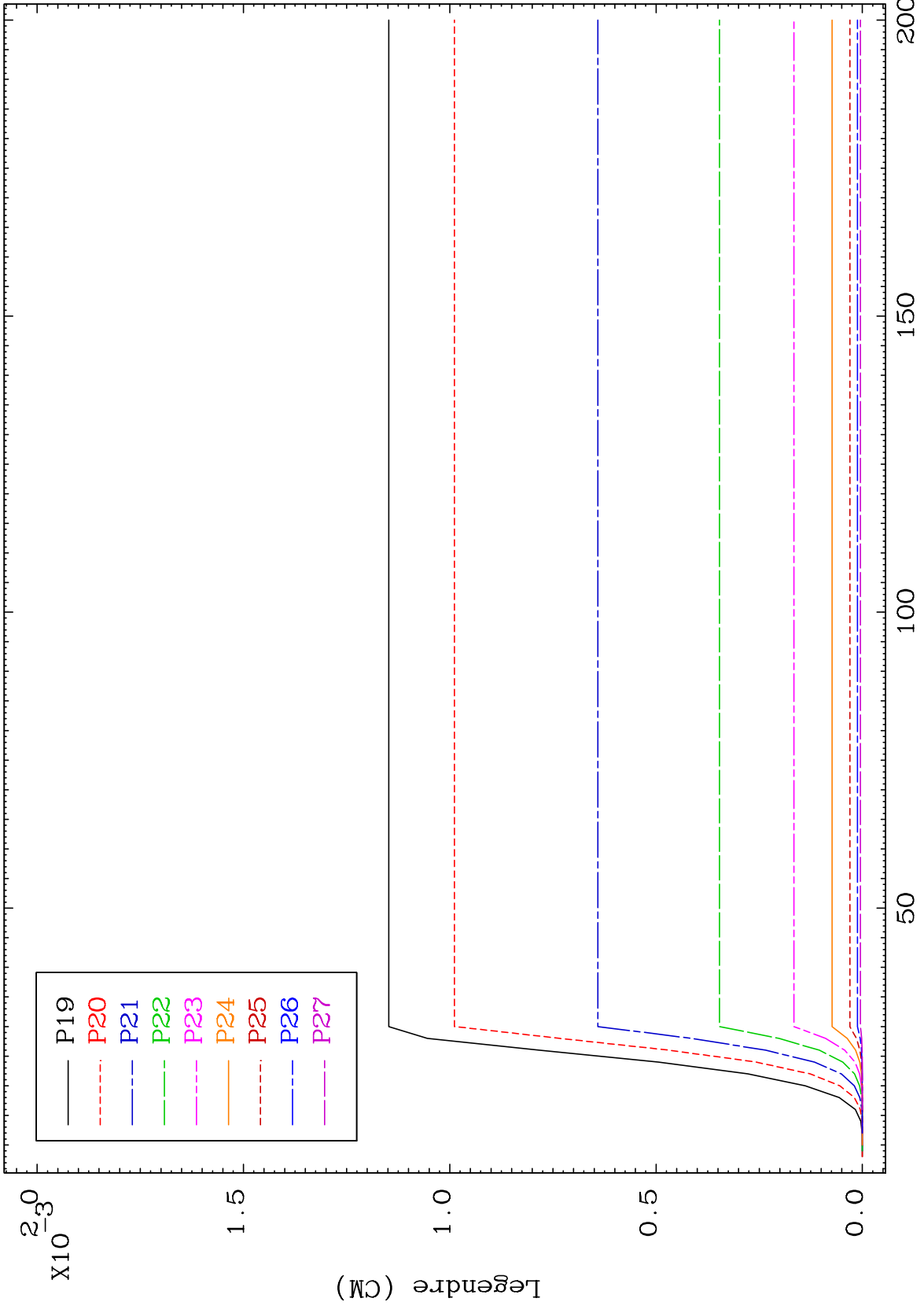


MAT 5070 MT= 60 (n,n') Level Legendre Coefficients 50-Sn-127

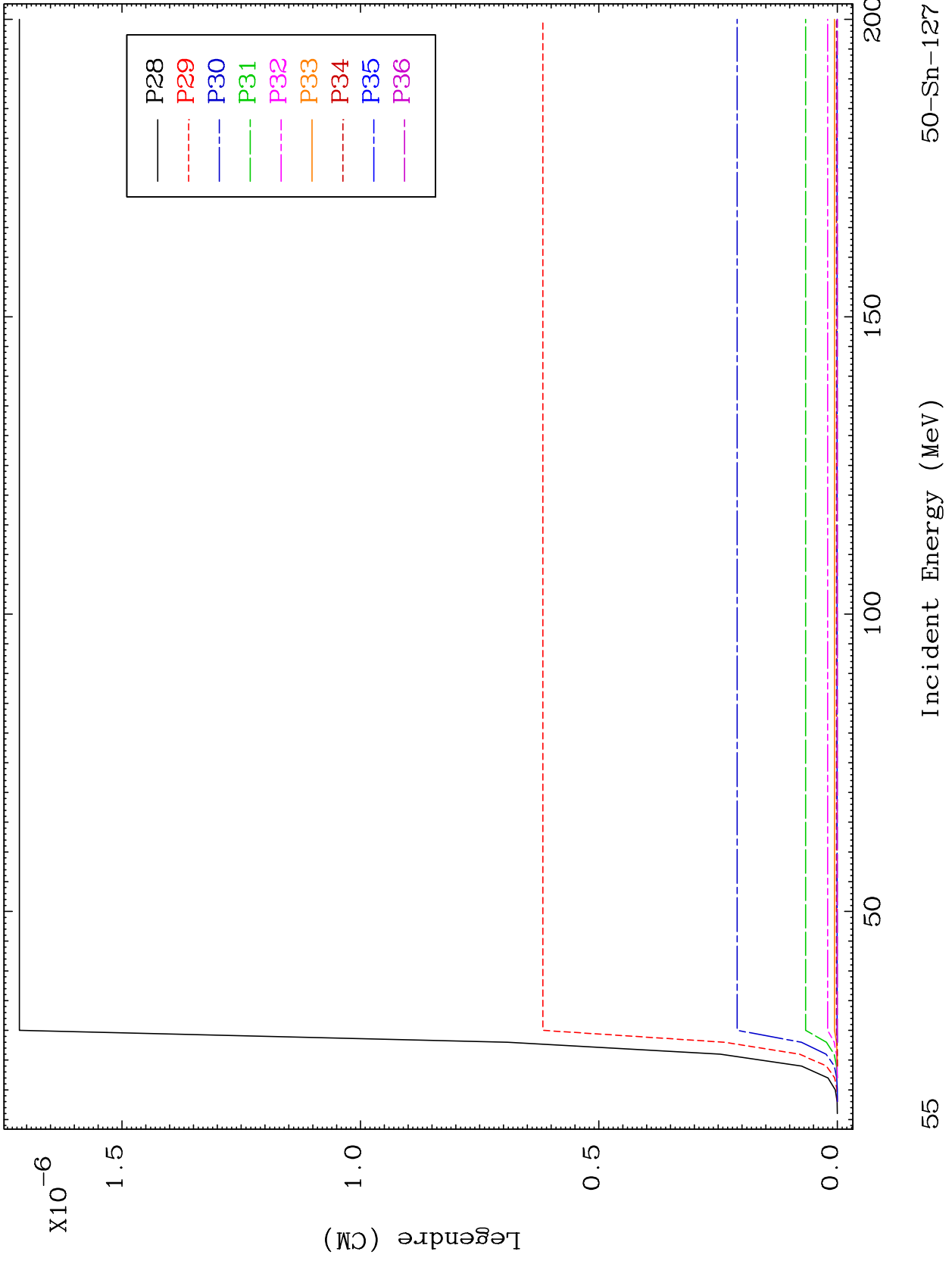


52

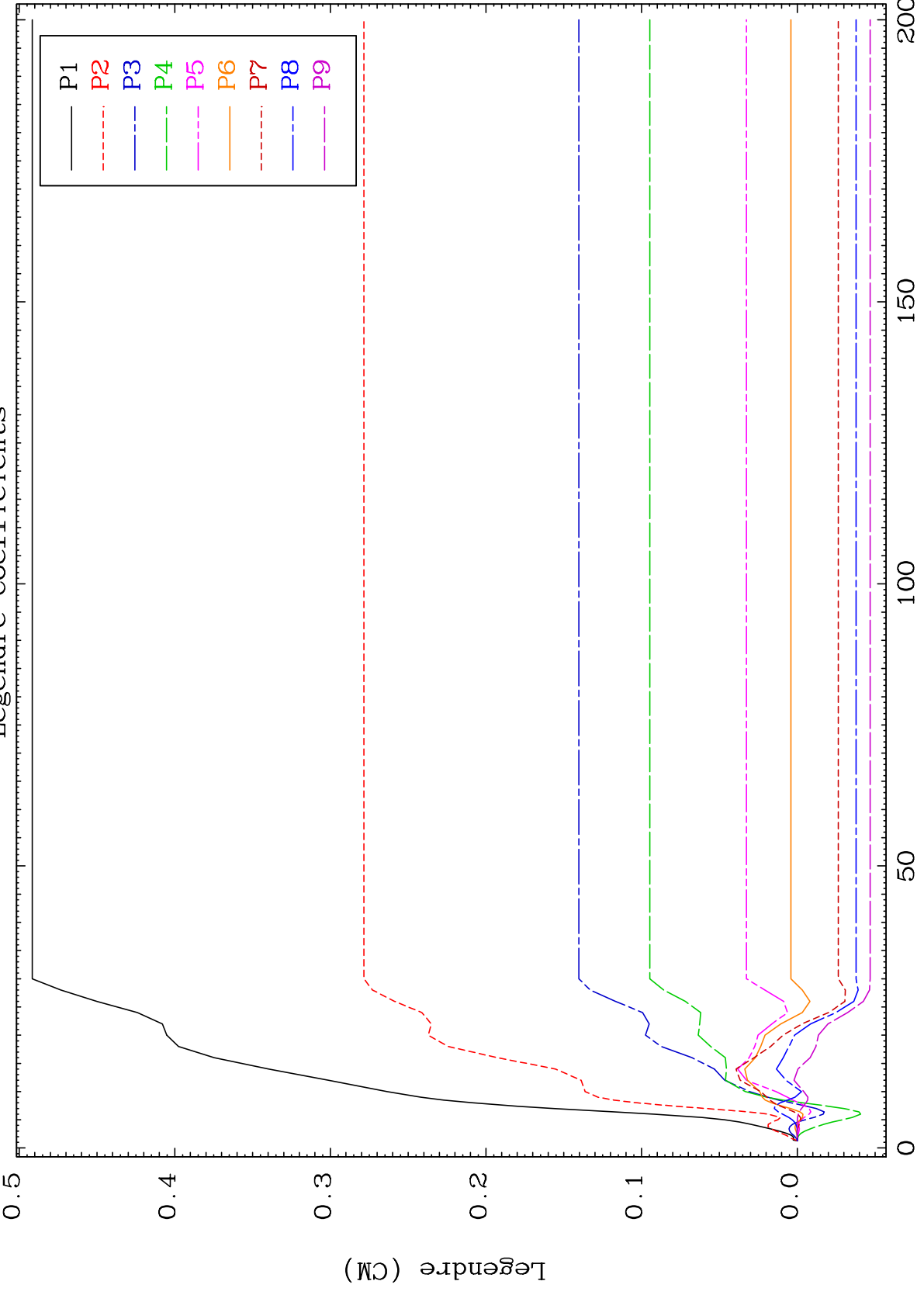
MAT 5070 MT= 60 (n,n') Level Legendre Coefficients 50-Sn-127

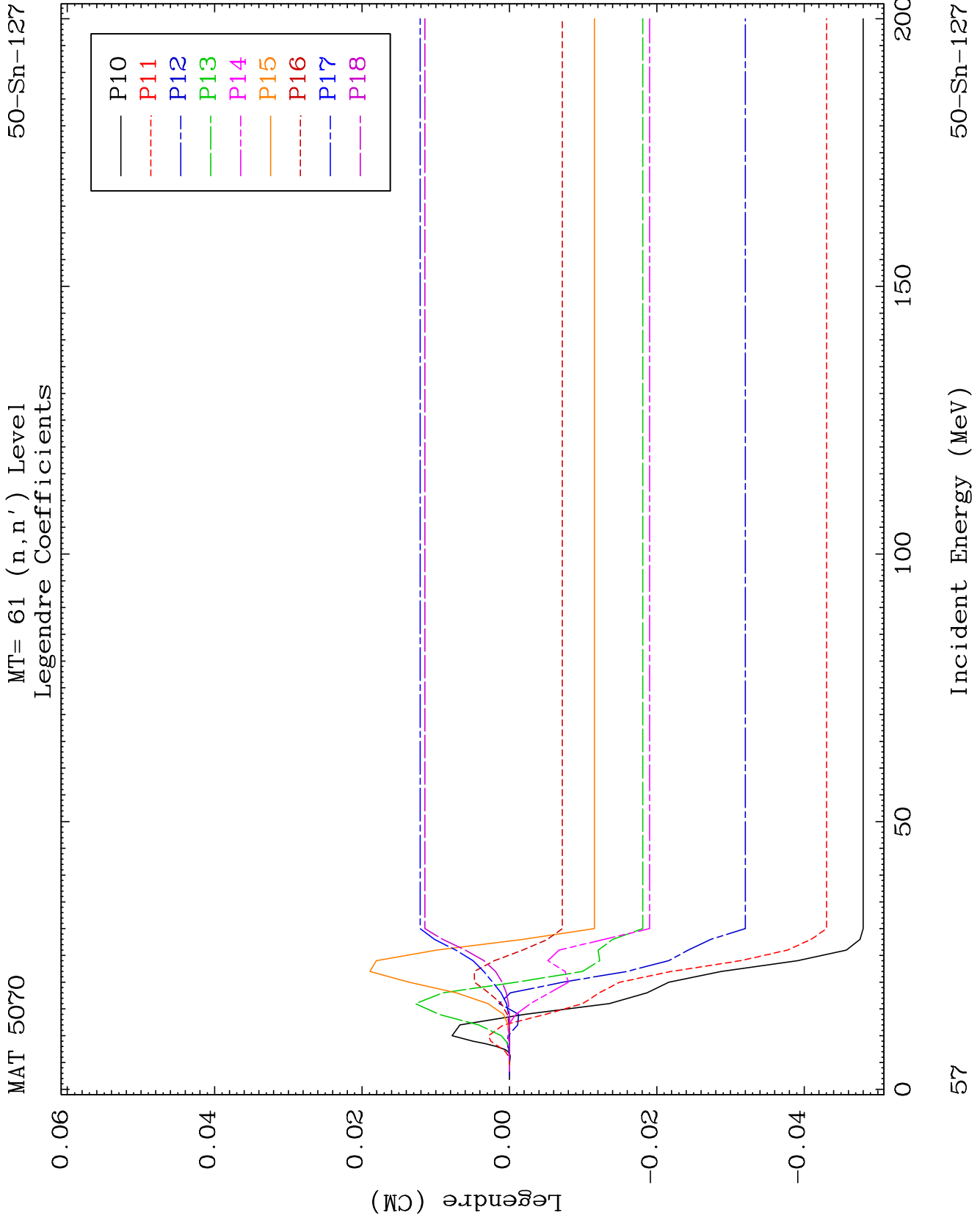


MAT 5070 MT= 60 (n,n') Level Legendre Coefficients 50-Sn-127

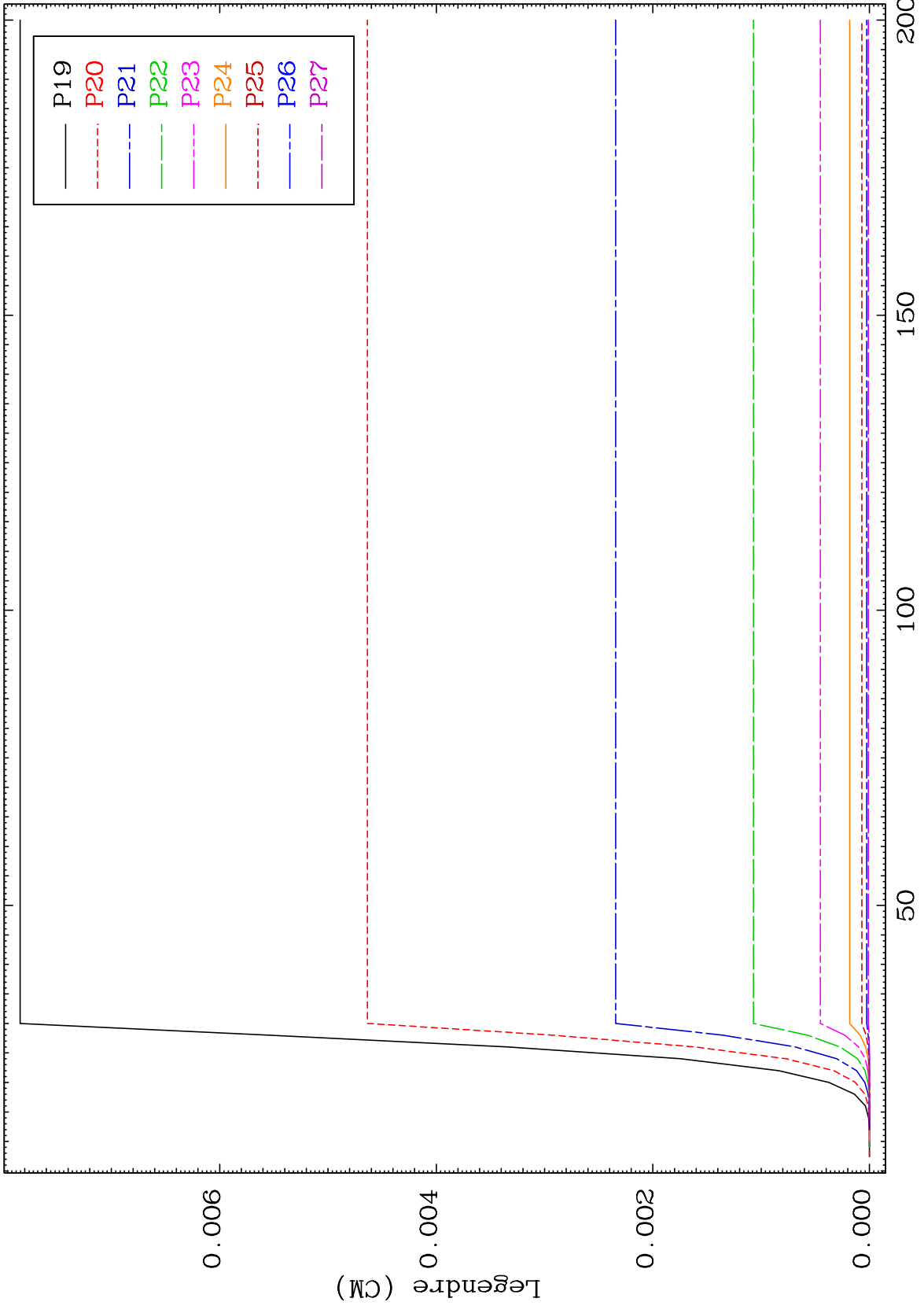


MAT 5070 MT= 61 (n,n') Level Legendre Coefficients 50-Sn-127





MAT 5070 MT= 61 (n,n') Level Legendre Coefficients 50-Sn-127

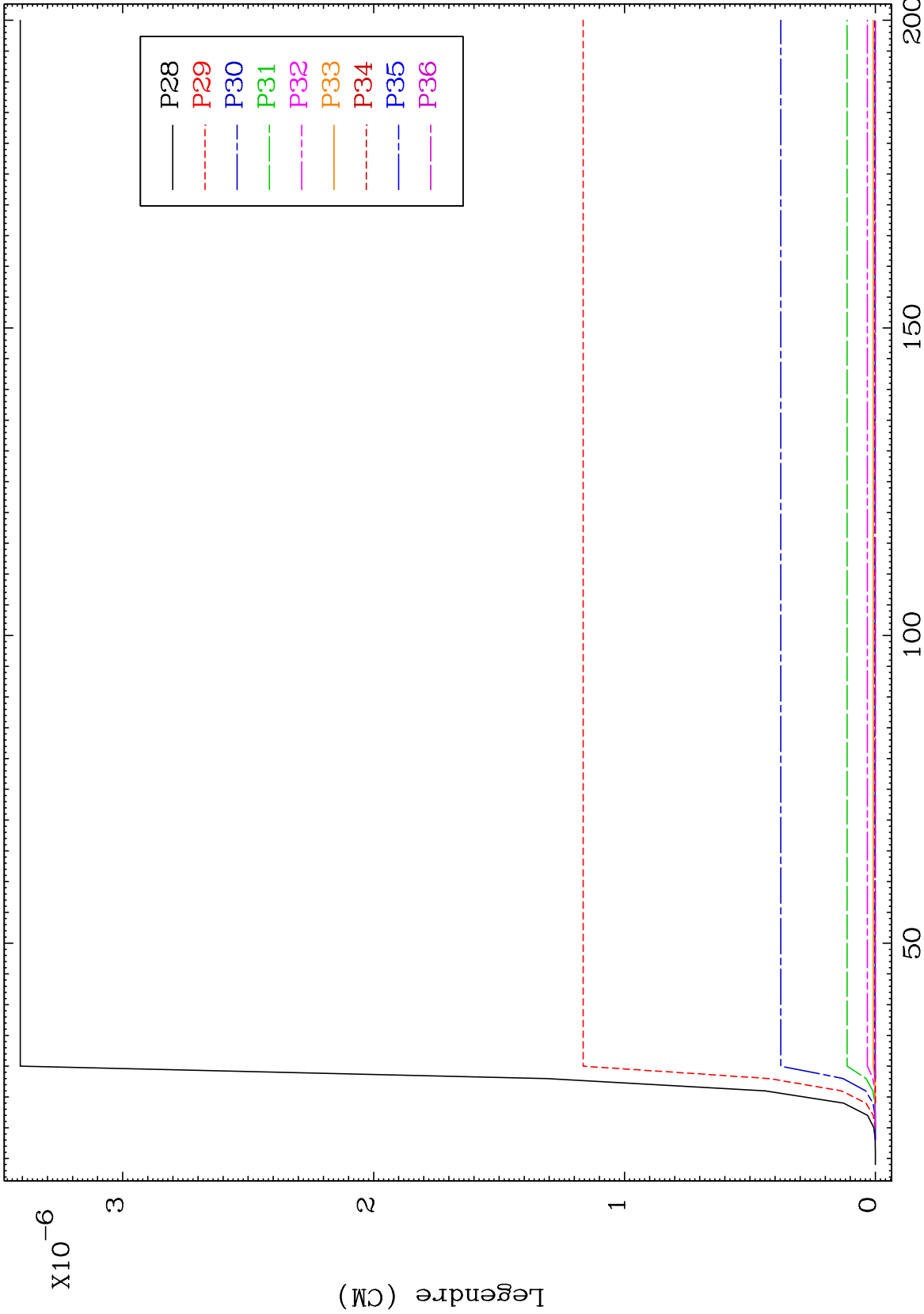


58 Incident Energy (MeV) 50-Sn-127

MAT 5070

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

50-Sn-127

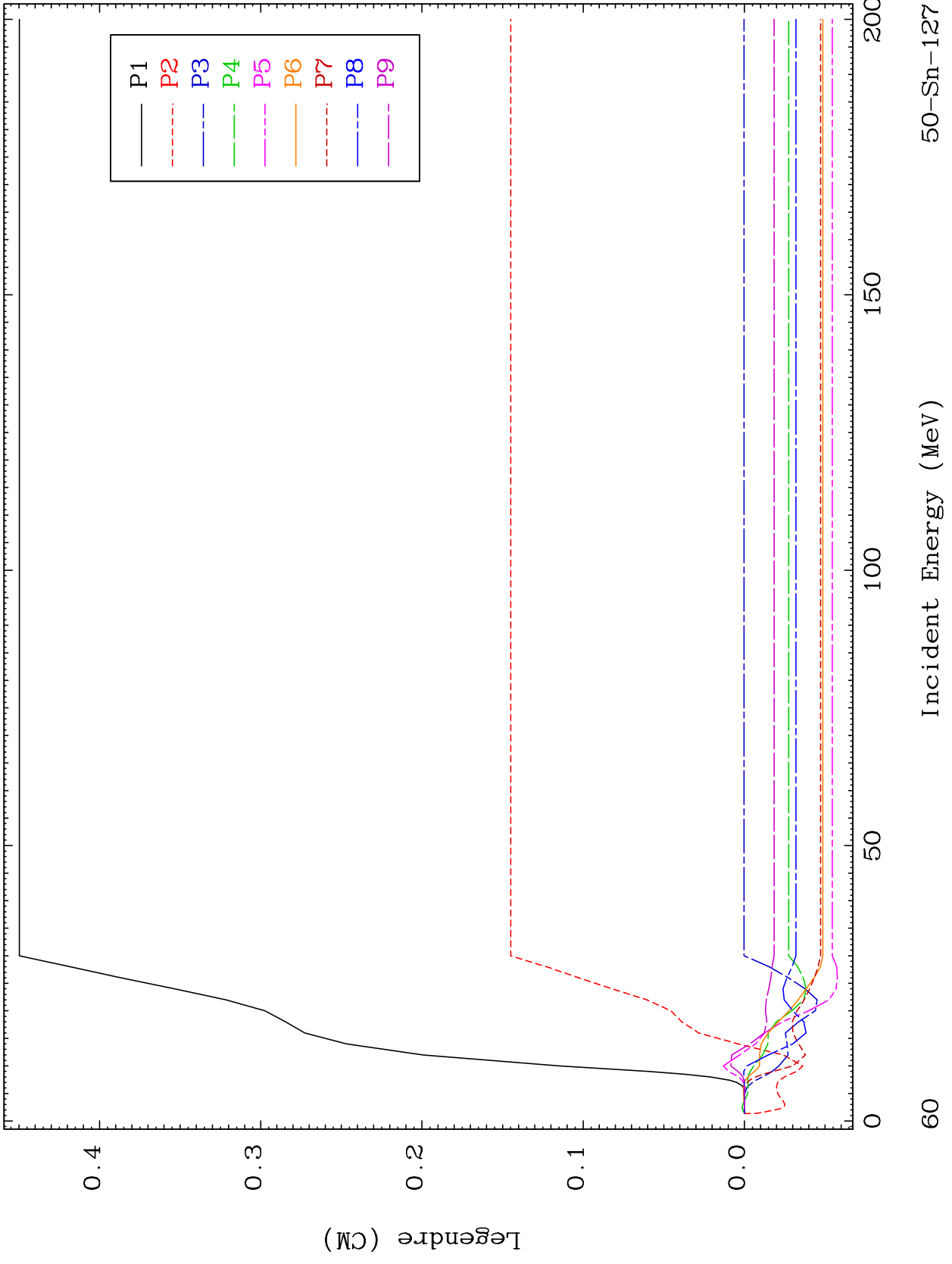


59

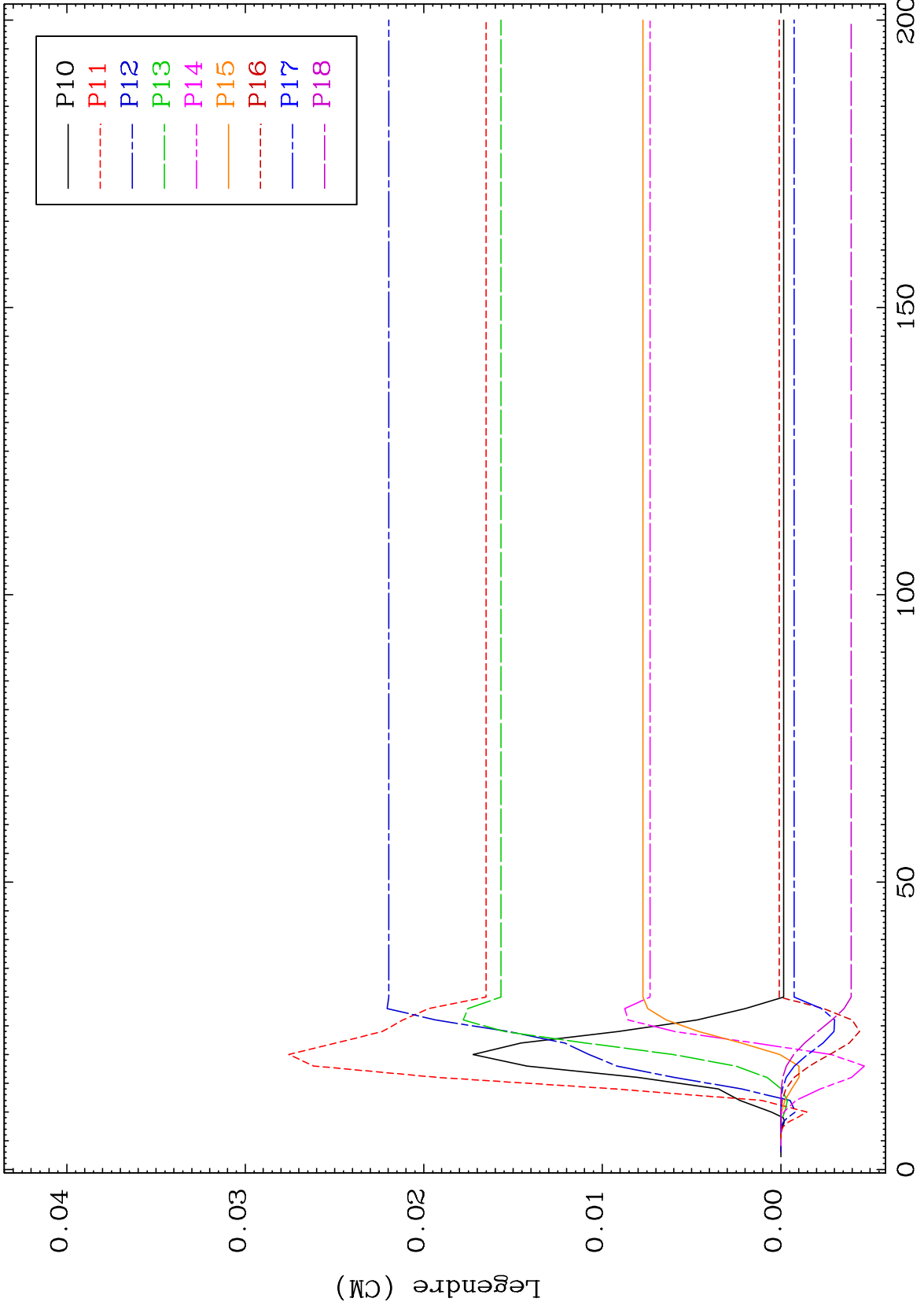
Incident Energy (MeV)

50-Sn-127

MAT 5070 MT= 62 (n,n') Level Legendre Coefficients 50-Sn-127

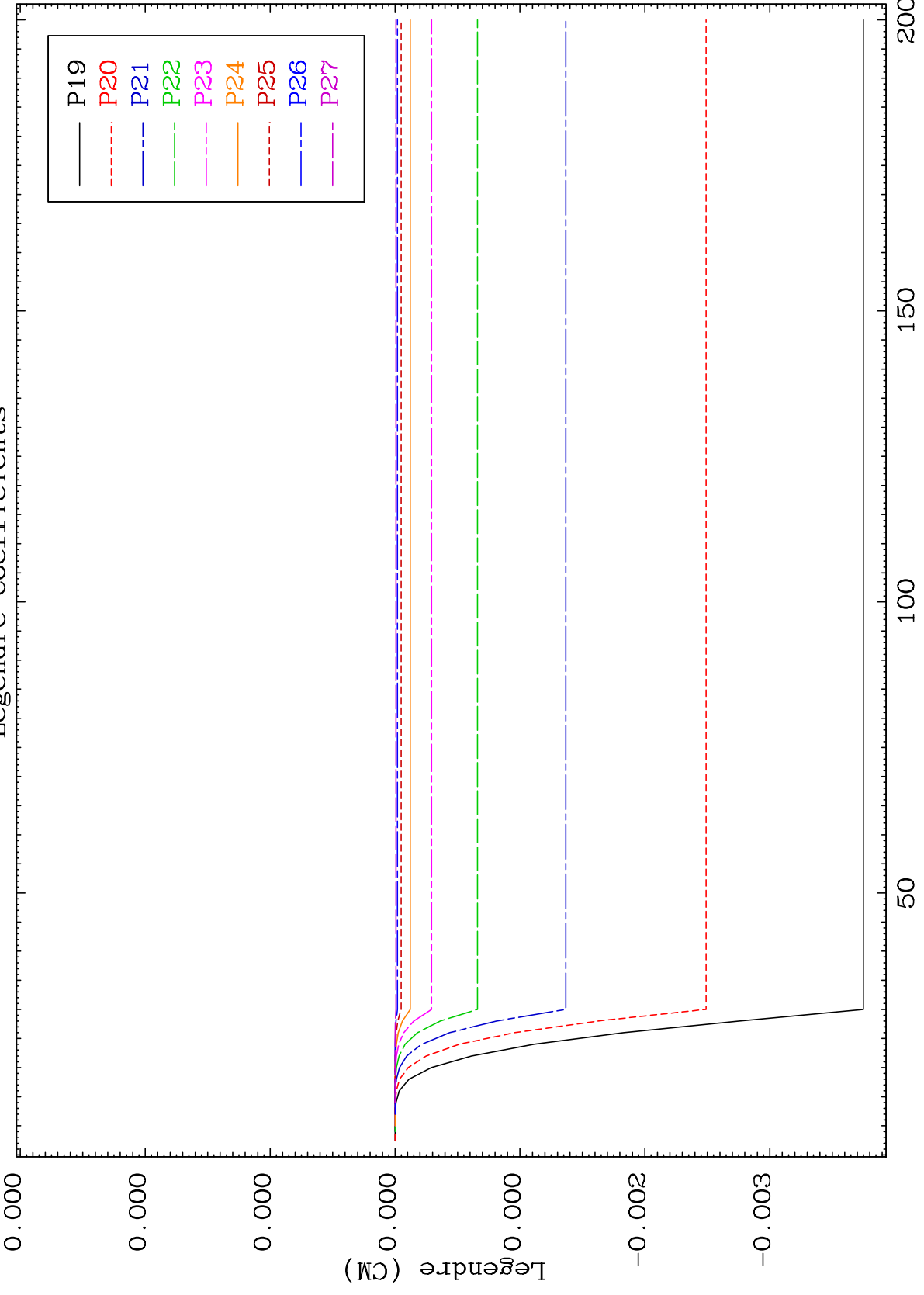


MAT 5070 MT= 62 (n,n') Level Legendre Coefficients 50-Sn-127



61 50-Sn-127

MAT 5070 MT= 62 (n,n') Level Legendre Coefficients 50-Sn-127

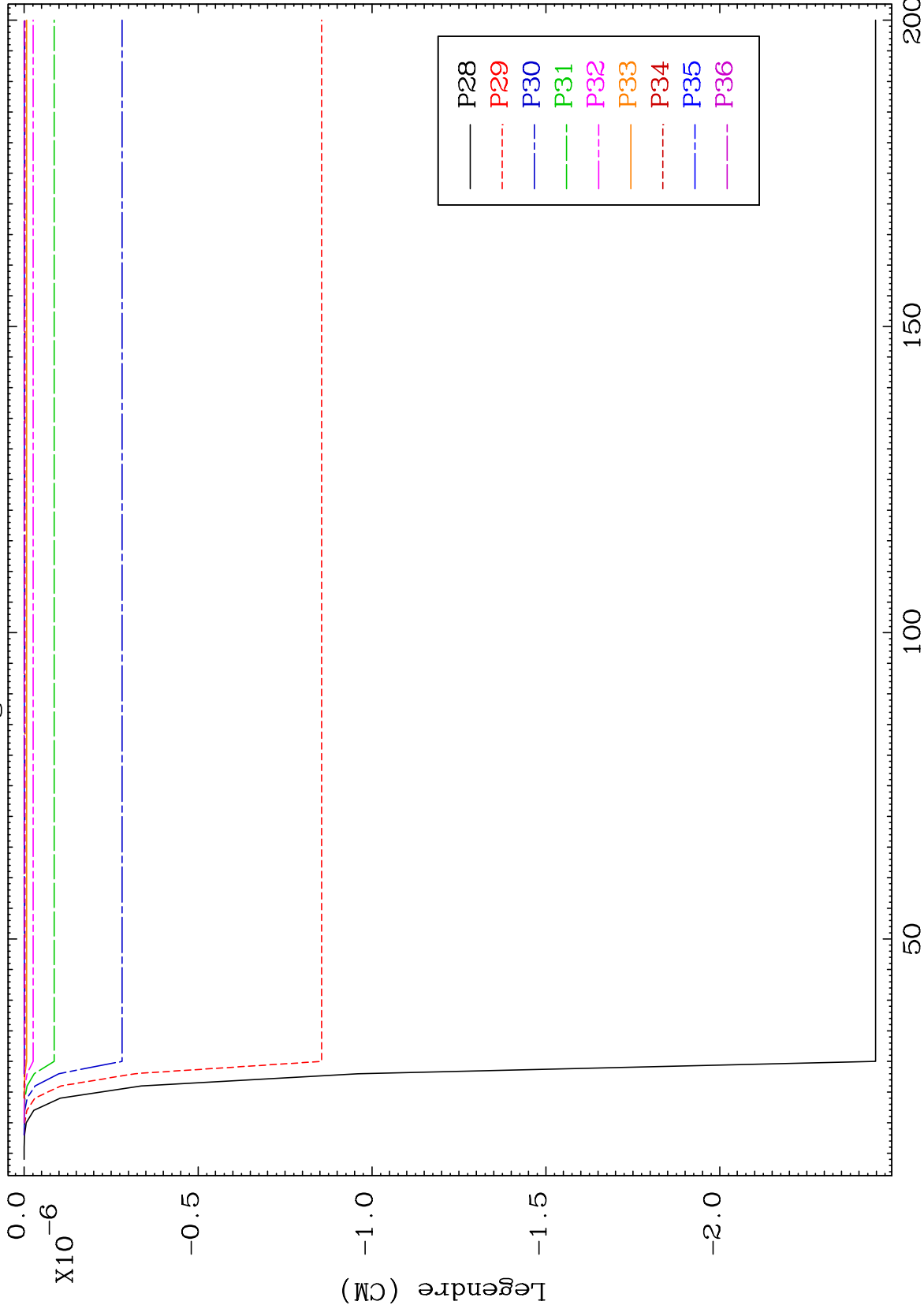


62 50-Sn-127

MAT 5070

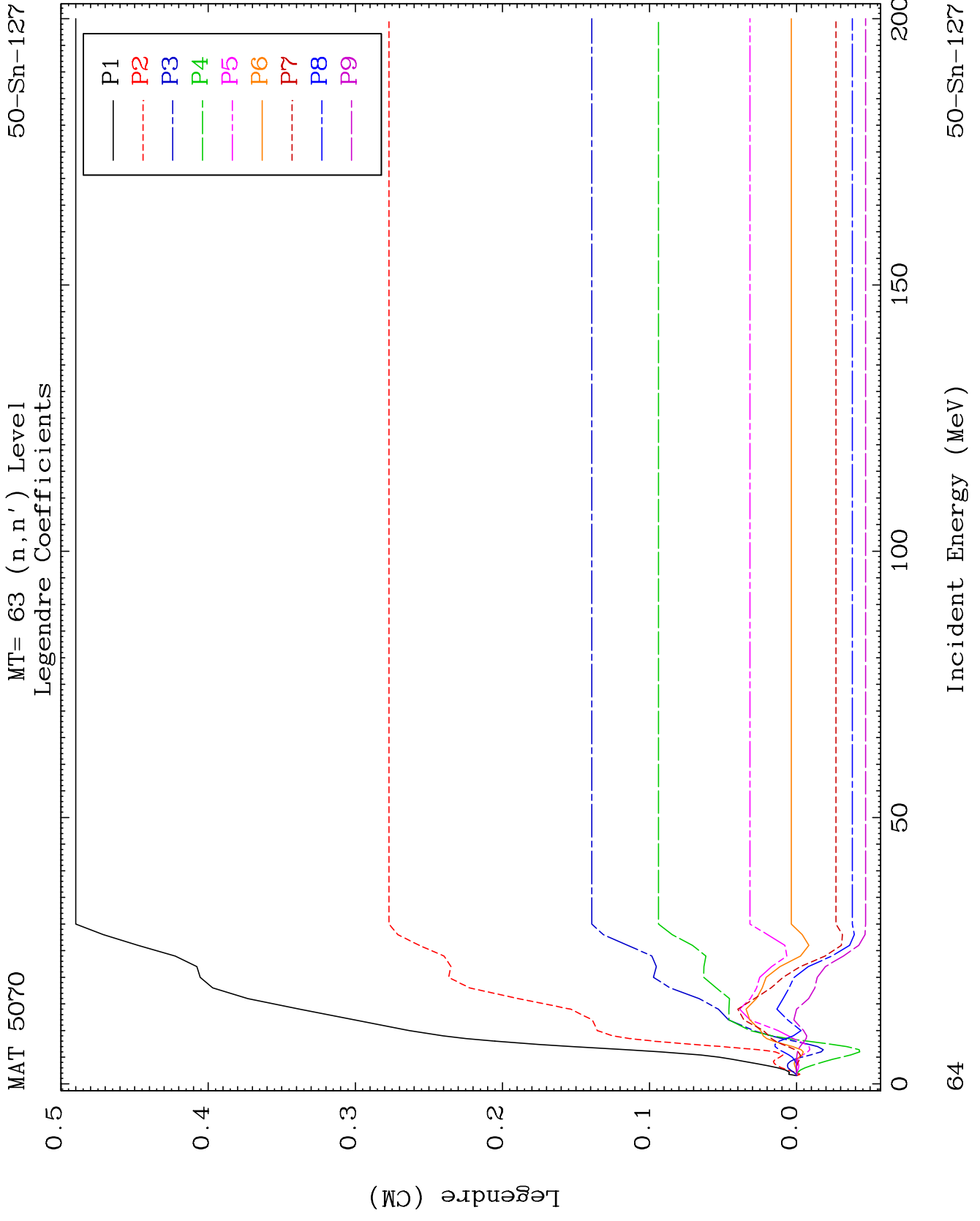
MT= 62 (n,n') Level
Legendre Coefficients

50-Sn-127

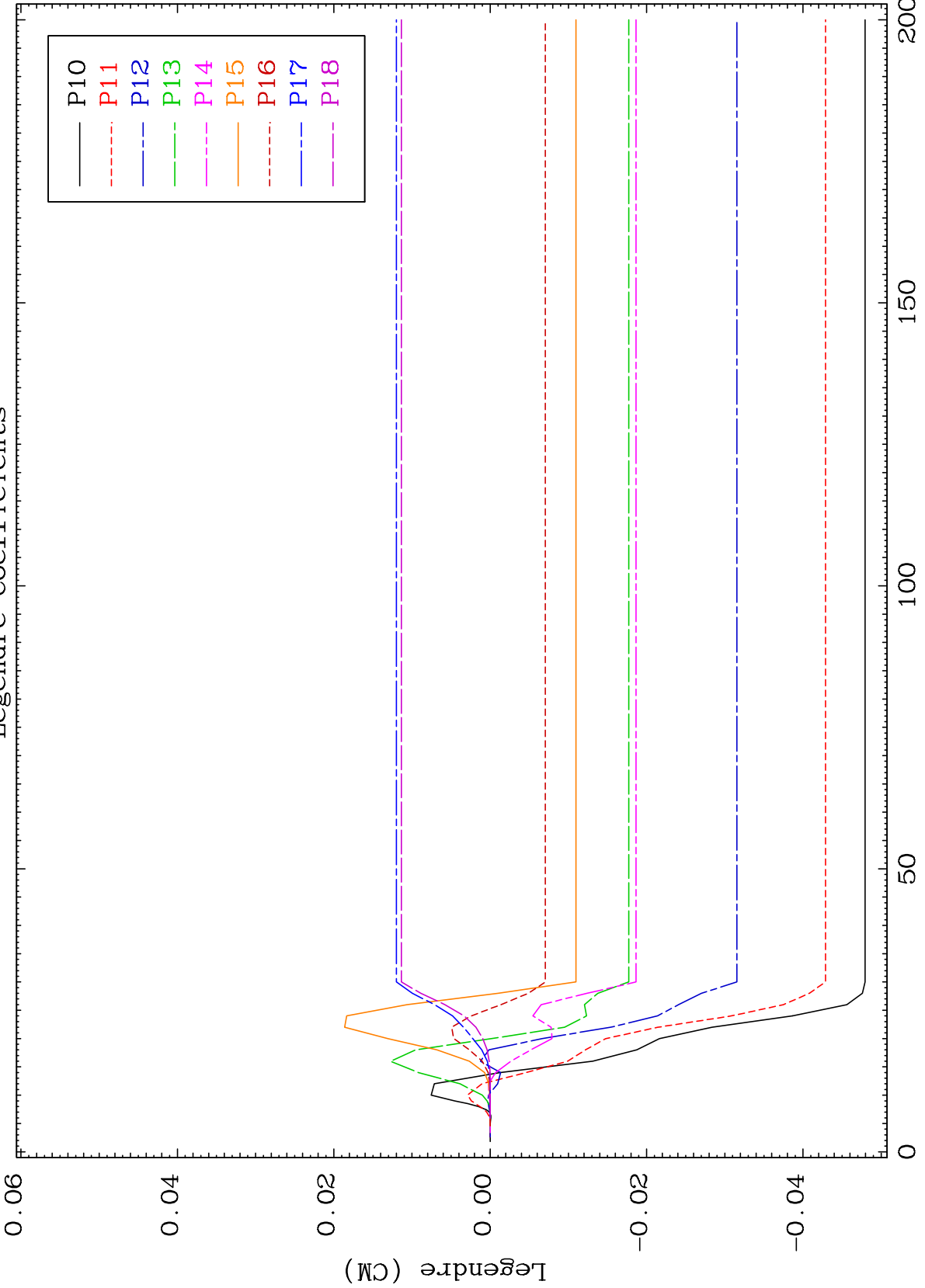


63

50-Sn-127



MAT 5070 MT= 63 (n,n') Level Legendre Coefficients 50-Sn-127



50-Sn-127

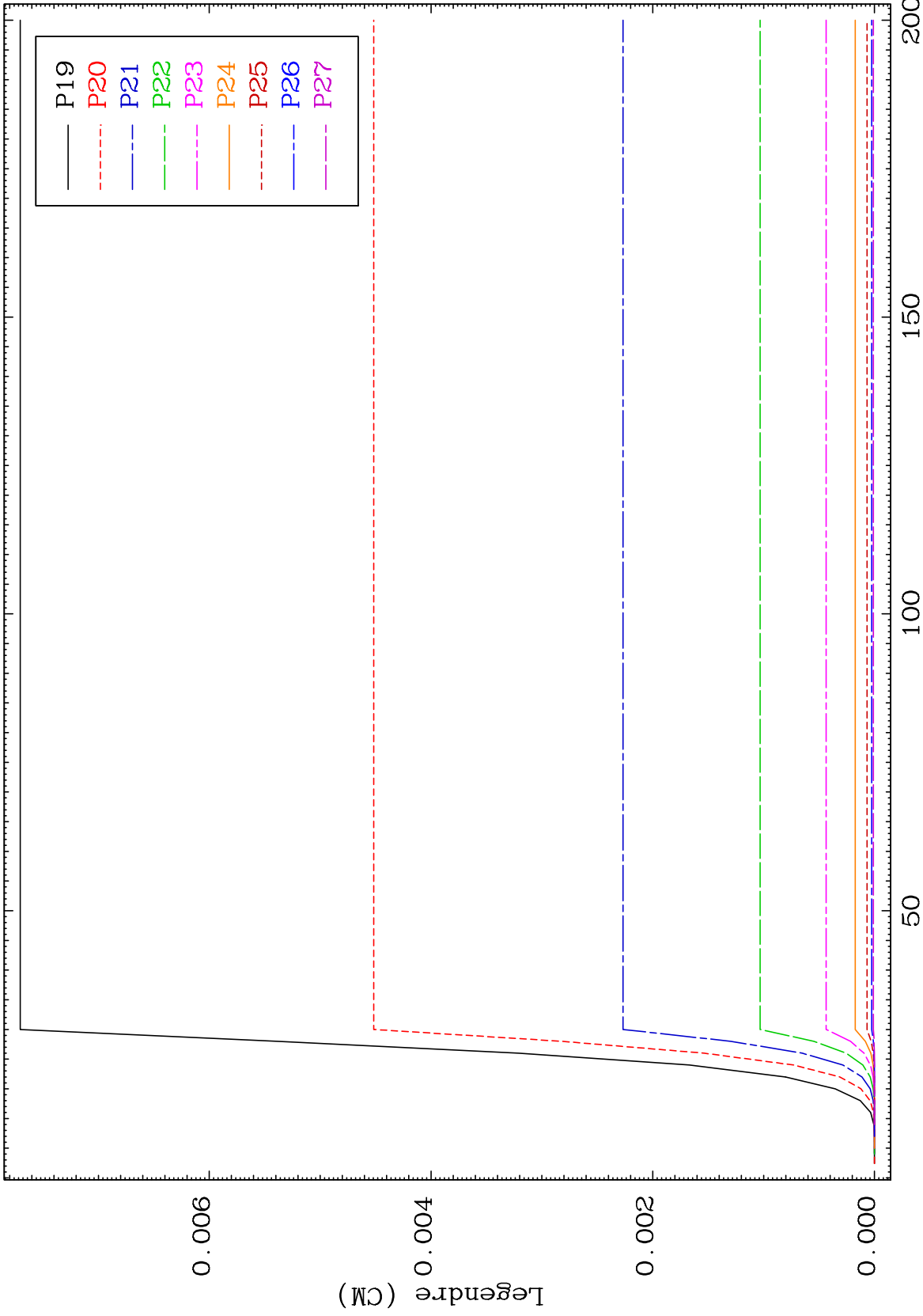
Incident Energy (MeV)

65

MAT 5070

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

50-Sn-127



66

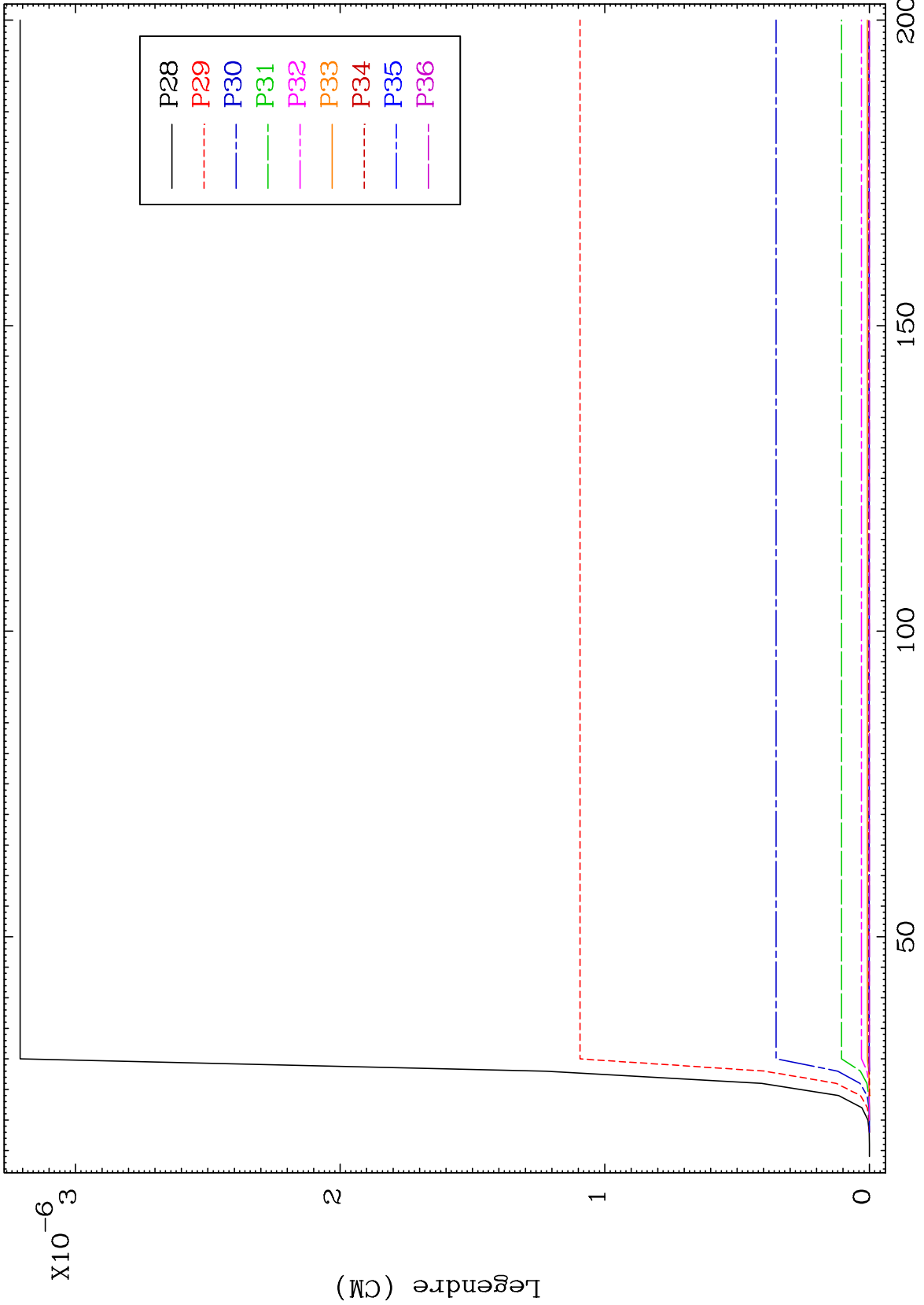
Incident Energy (MeV)

50-Sn-127

MAT 5070

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

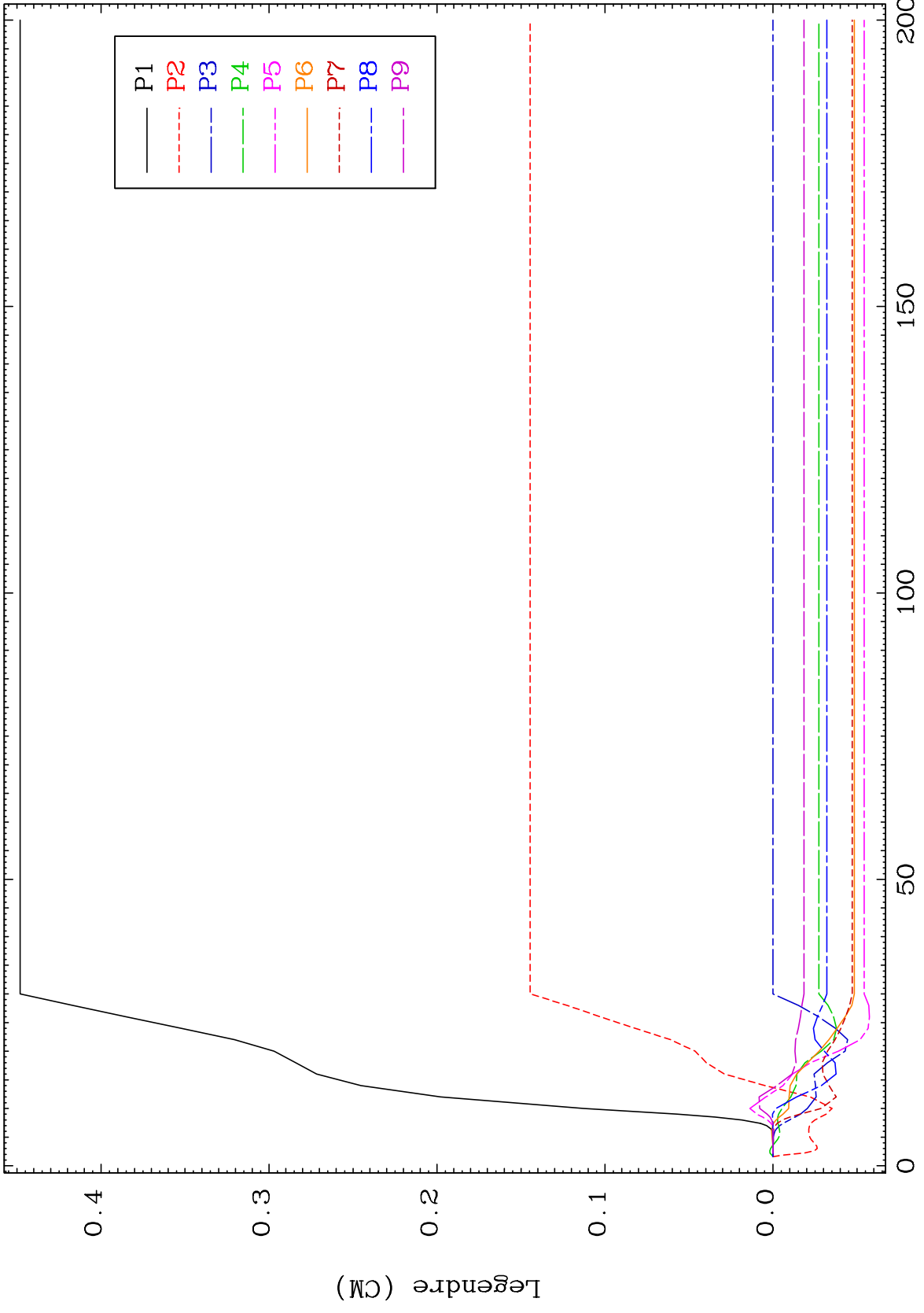
50-Sn-127

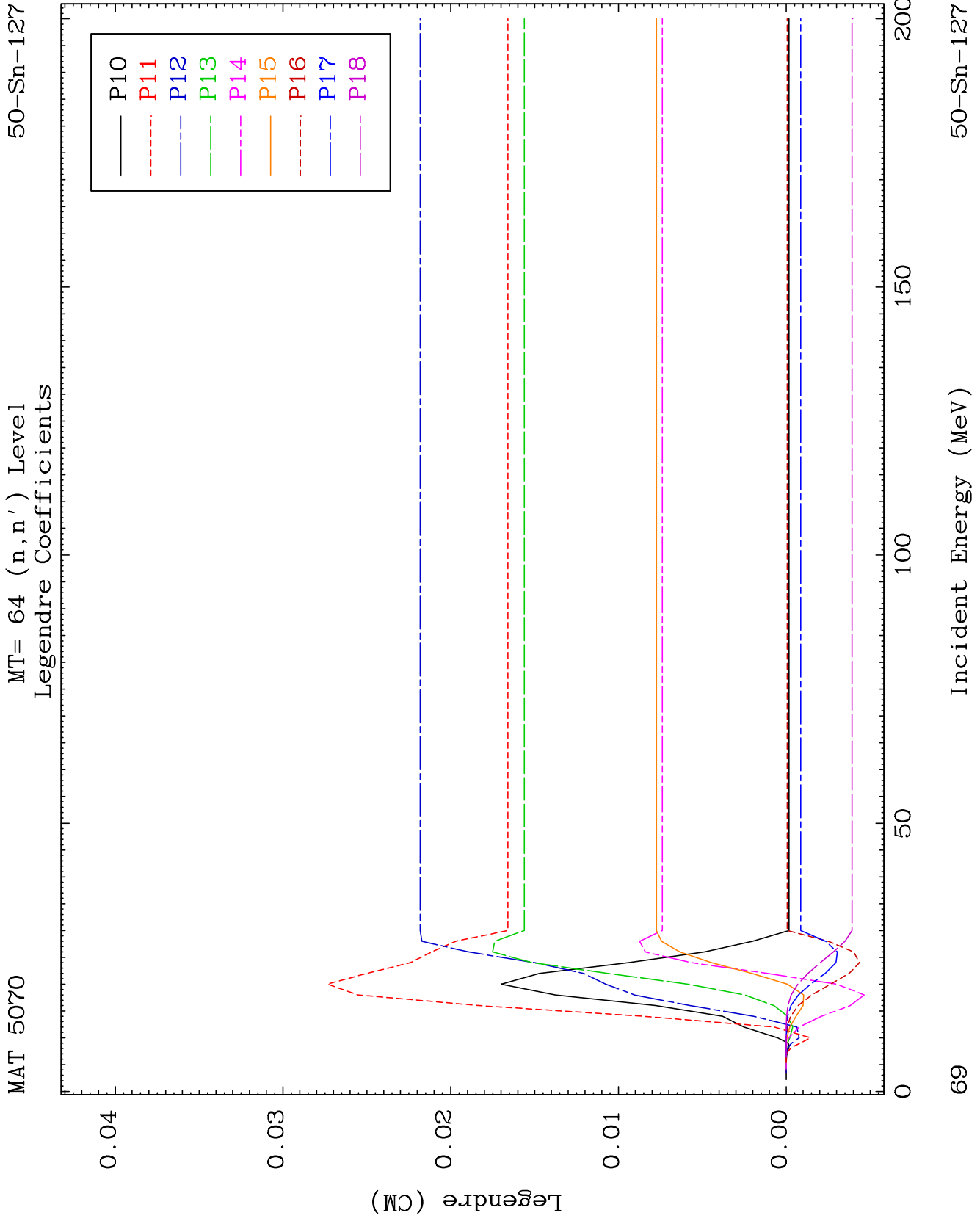


67

50-Sn-127

MAT 5070 MT= 64 (n,n') Level Legendre Coefficients 50-Sn-127

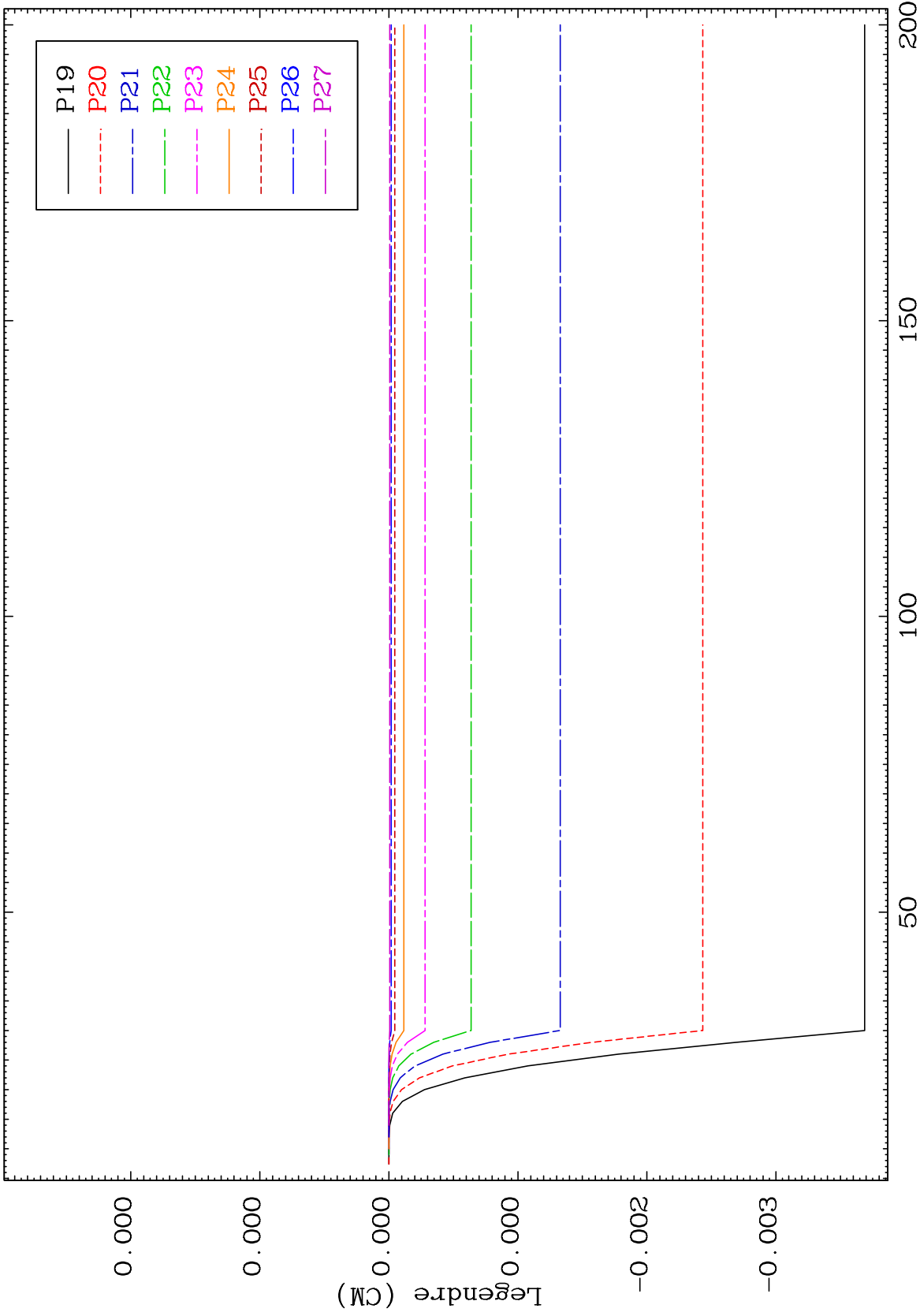




MAT 5070

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

50-Sn-127



70

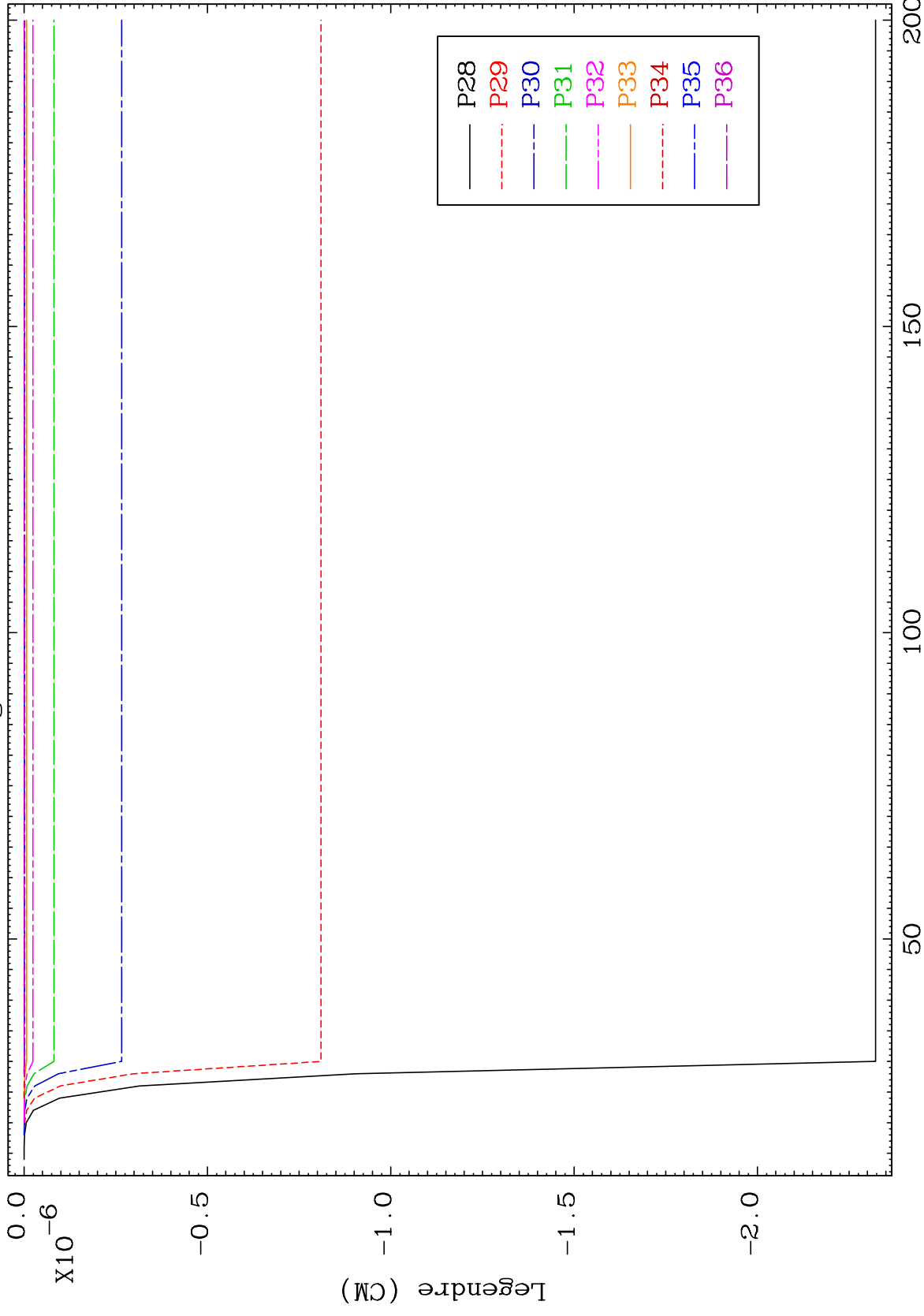
Incident Energy (MeV)

50-Sn-127

MAT 5070

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

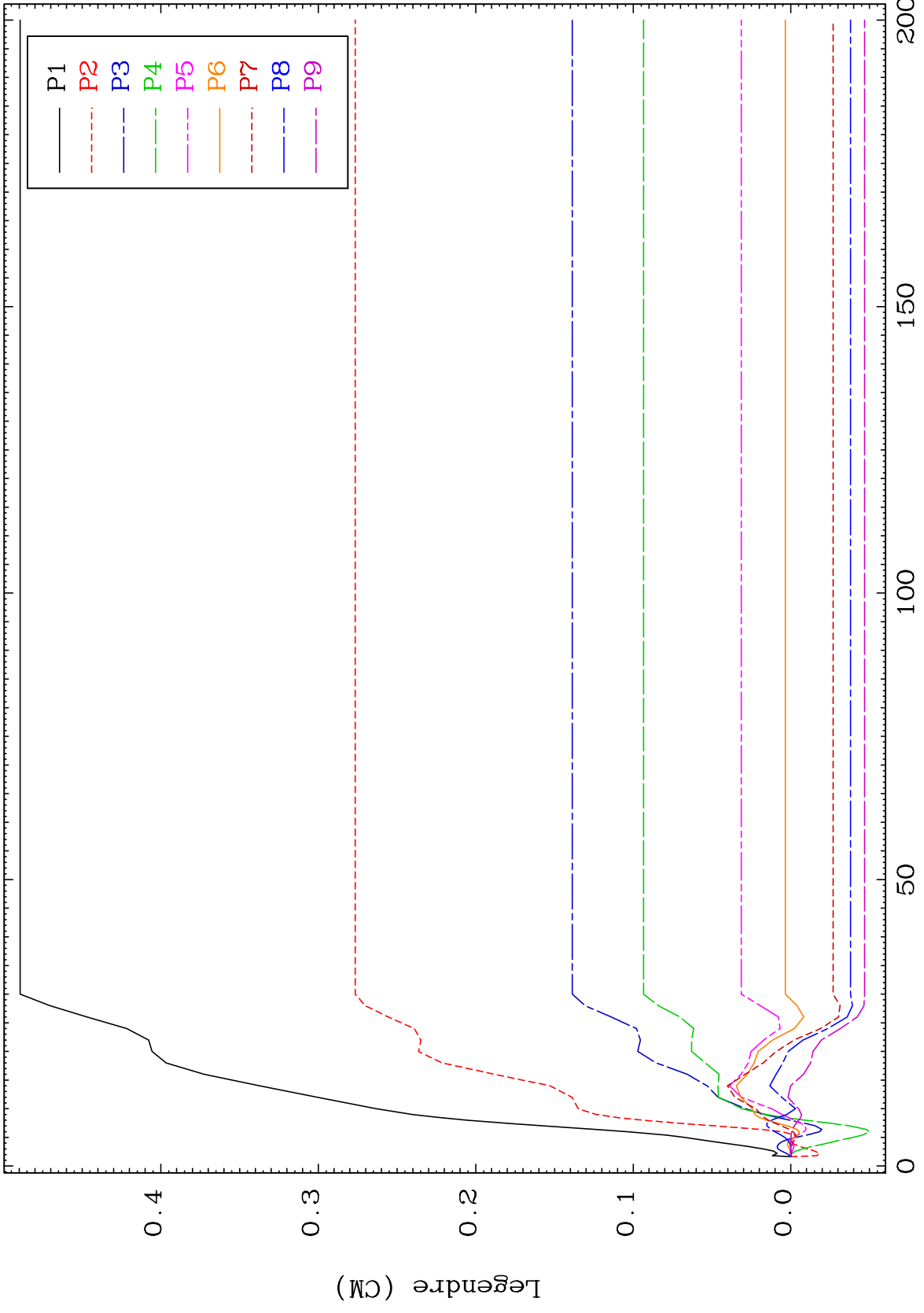
50-Sn-127



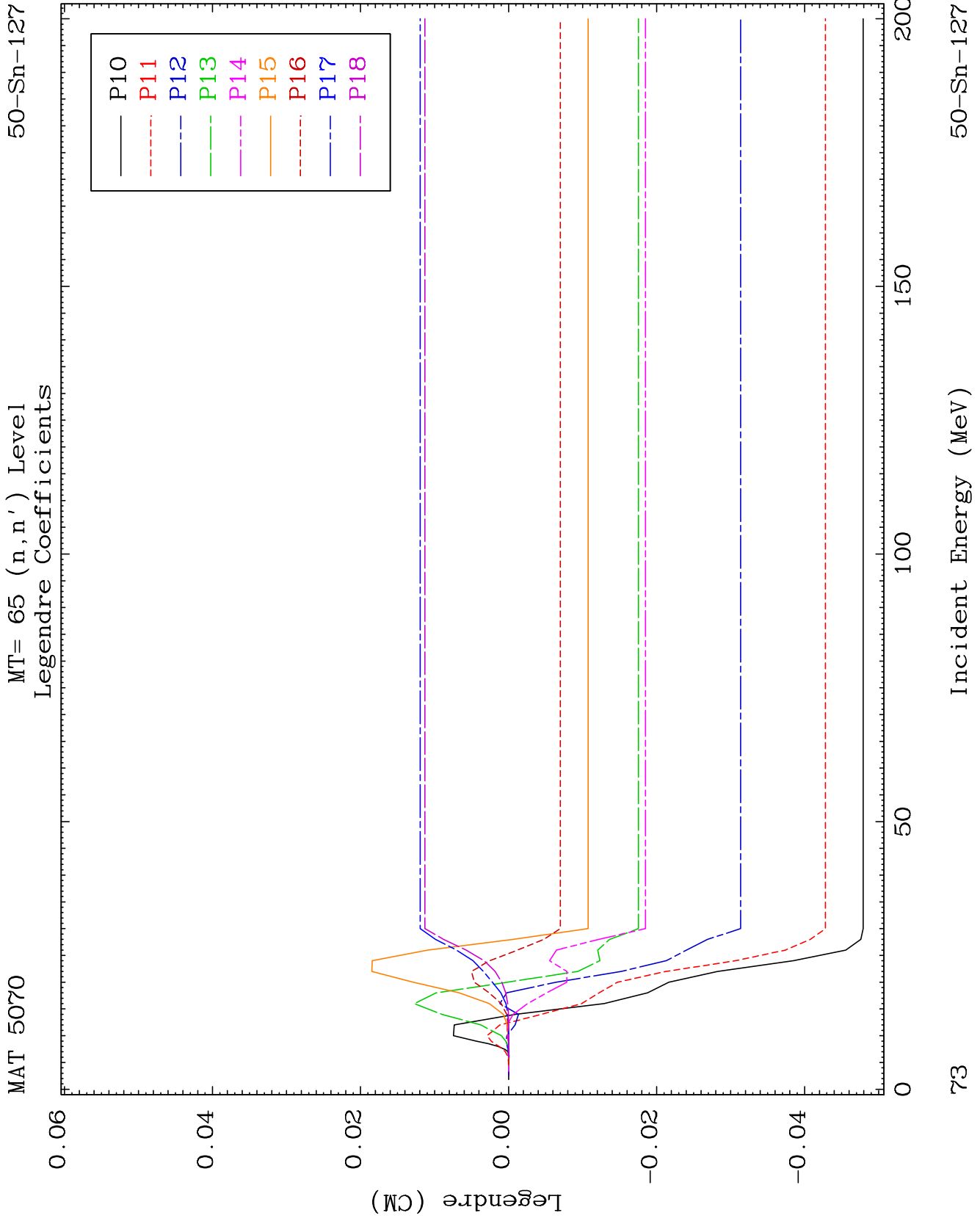
71

50-Sn-127

MAT 5070 MT= 65 (n,n') Level Legendre Coefficients 50-Sn-127



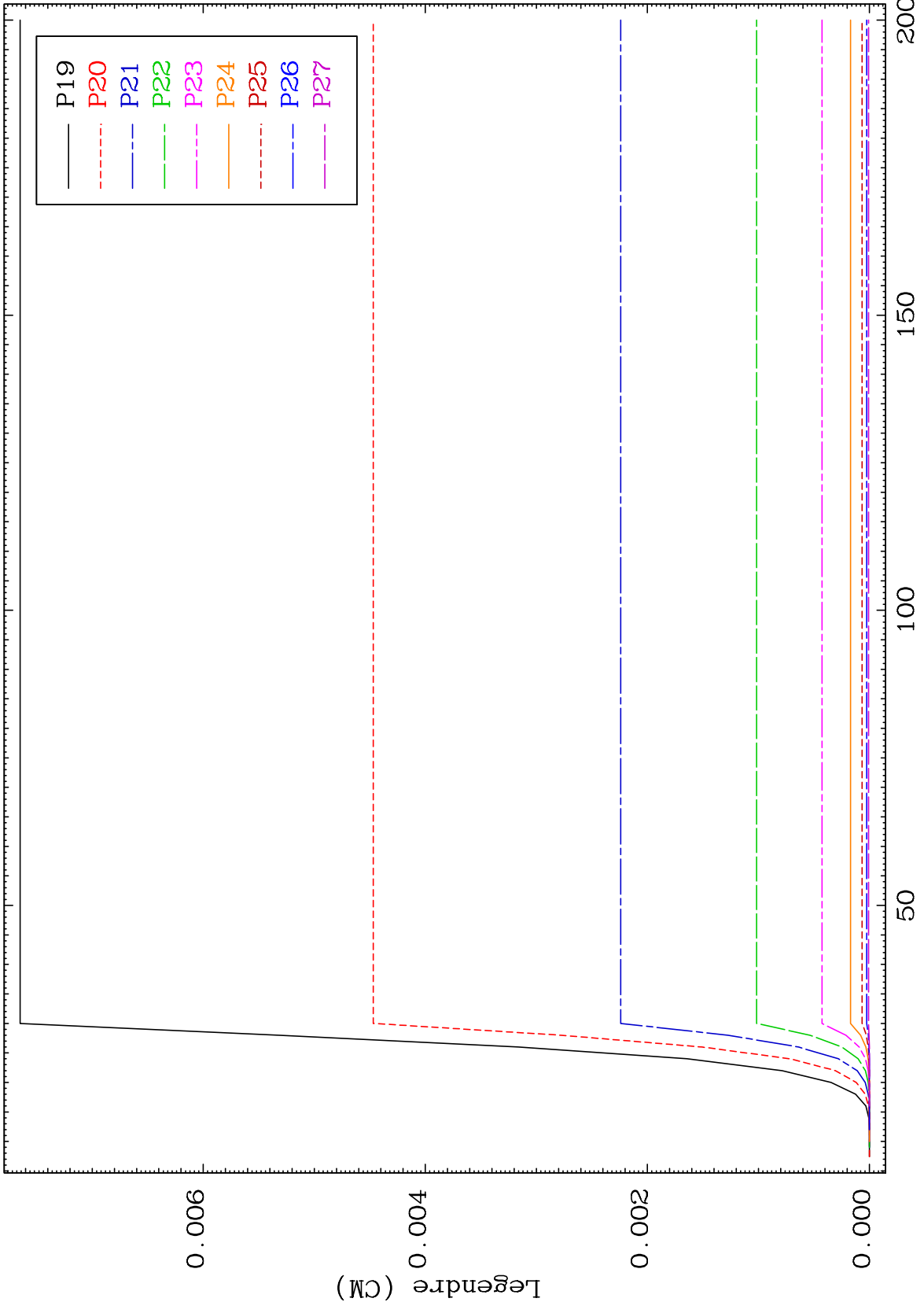
72 50-Sn-127



MAT 5070

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

50-Sn-127



74

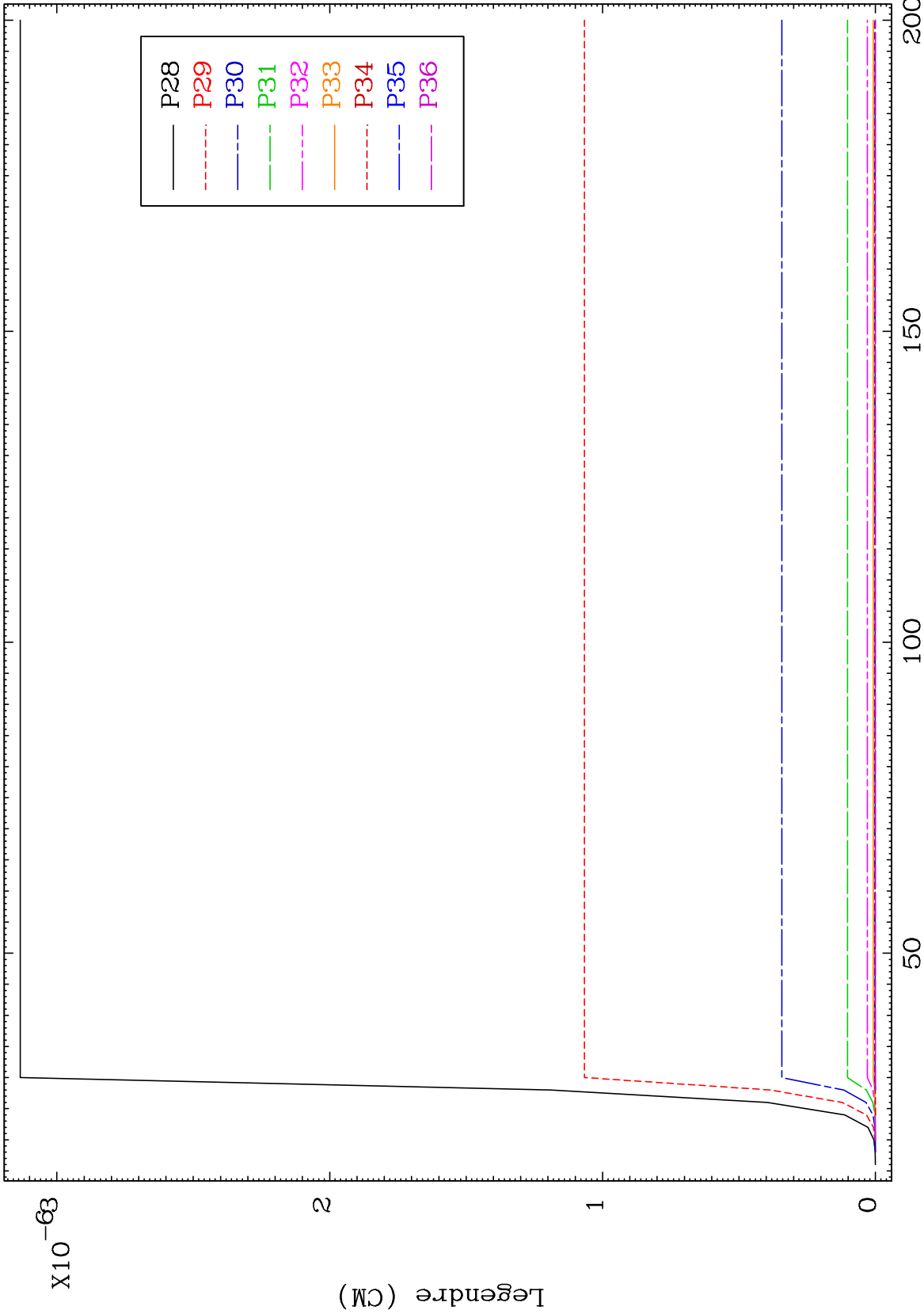
Incident Energy (MeV)

50-Sn-127

MAT 5070

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

50-Sn-127

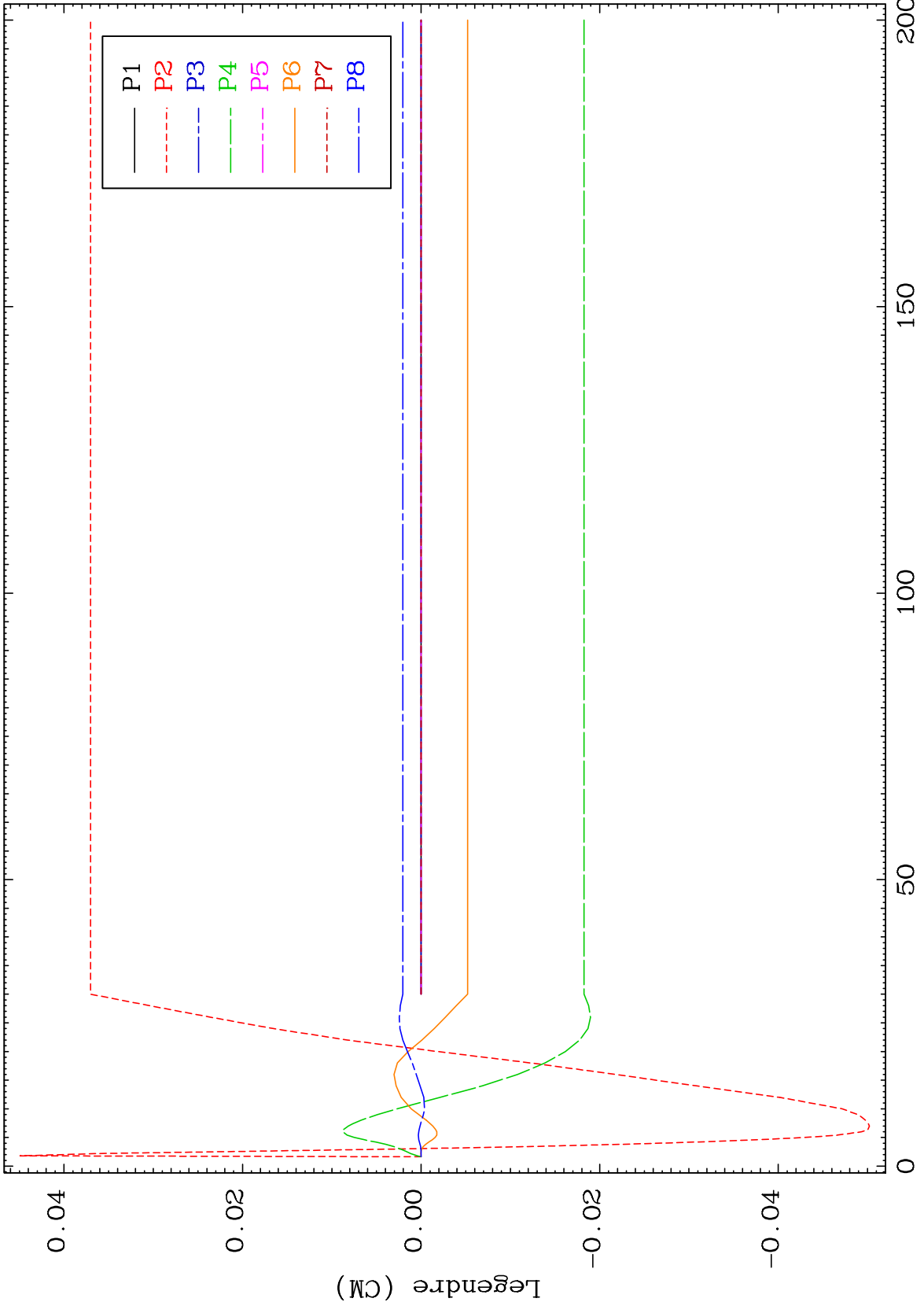


75

Incident Energy (MeV)

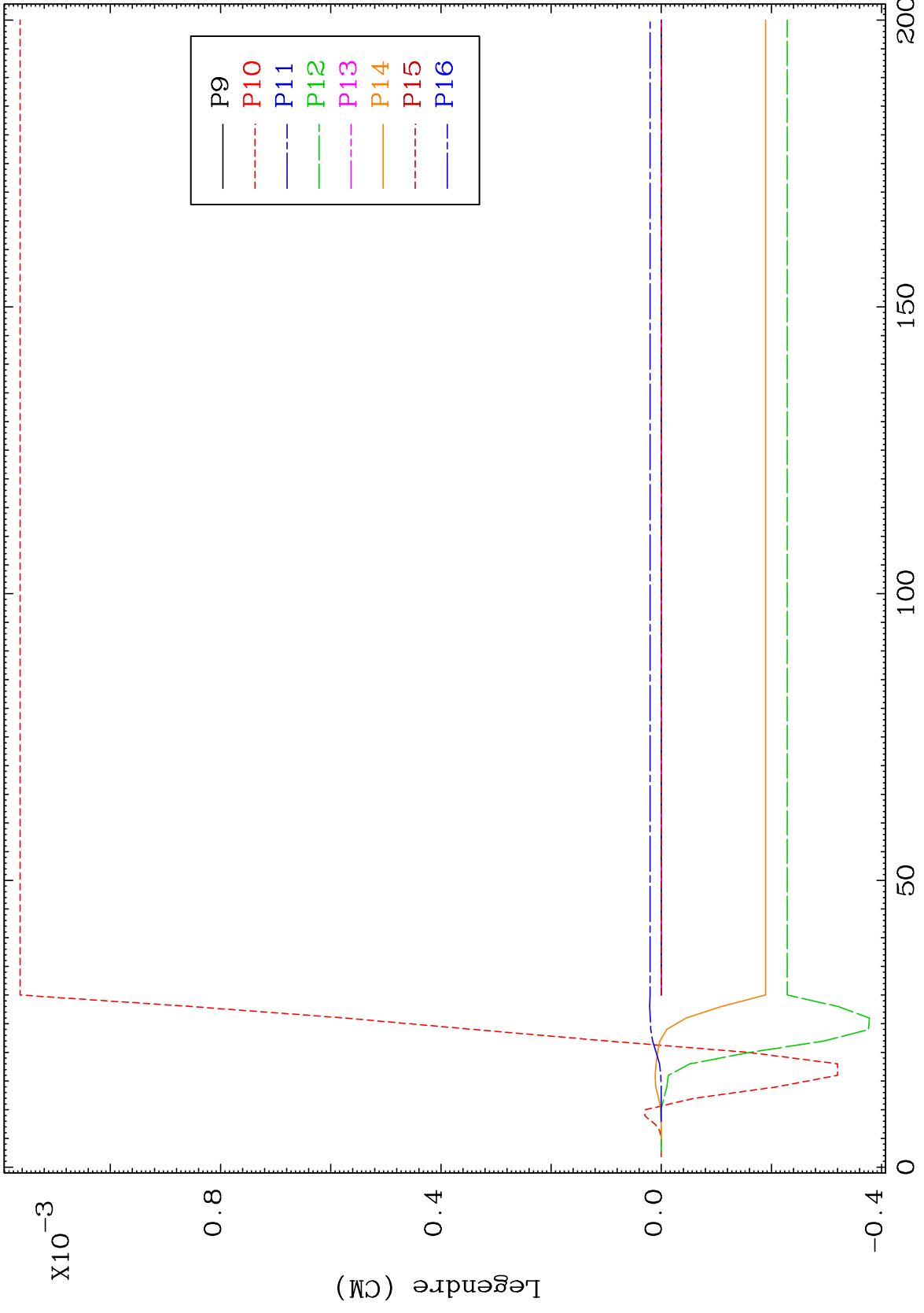
50-Sn-127

MAT 5070 MT= 66 (n,n') Level Legendre Coefficients 50-Sn-127



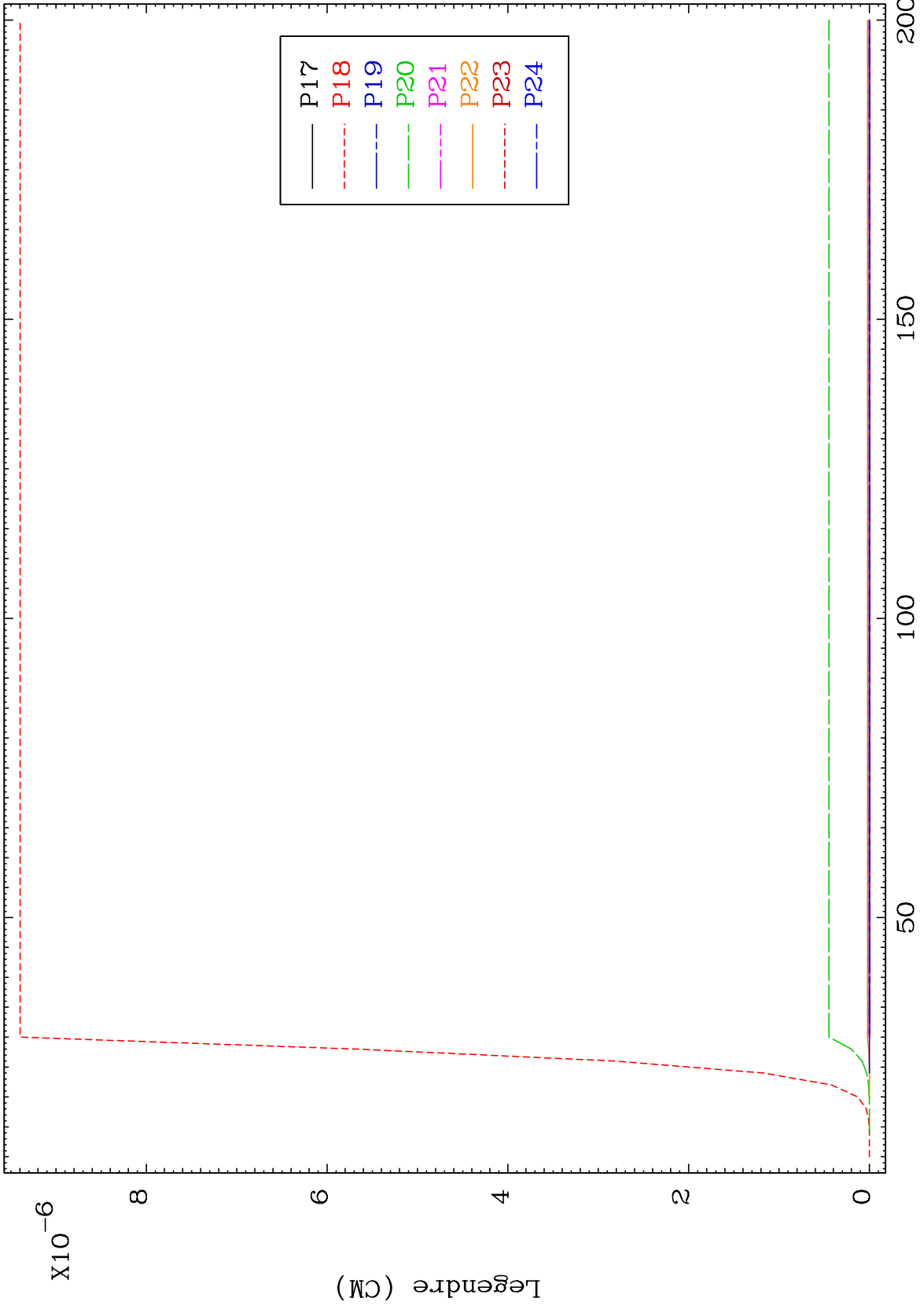
76 Incident Energy (MeV) 50-Sn-127

MAT 5070 MT= 66 (n,n') Level Legendre Coefficients 50-Sn-127



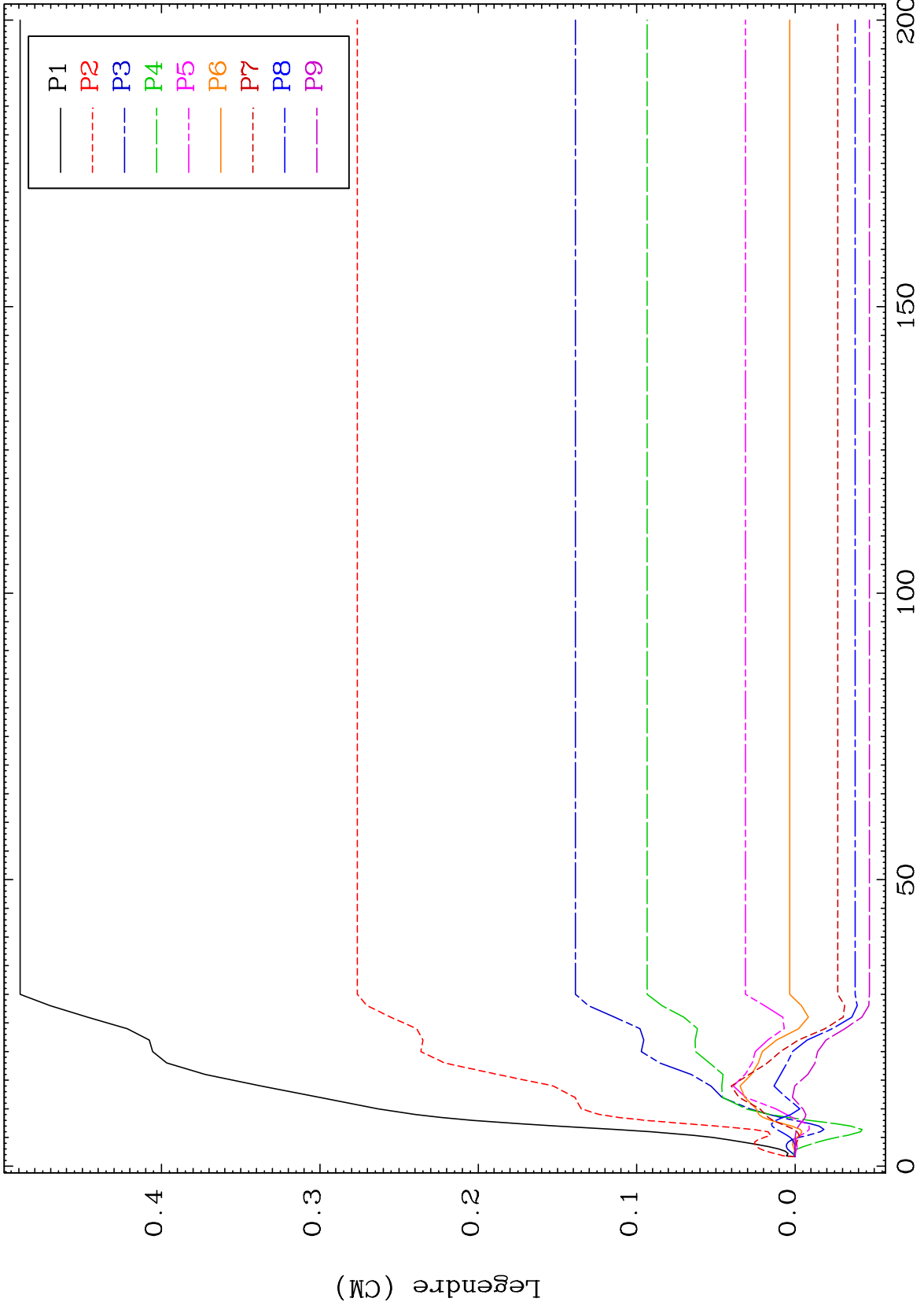
77 50-Sn-127

MAT 5070 MT= 66 (n,n') Level Legendre Coefficients 50-Sn-127

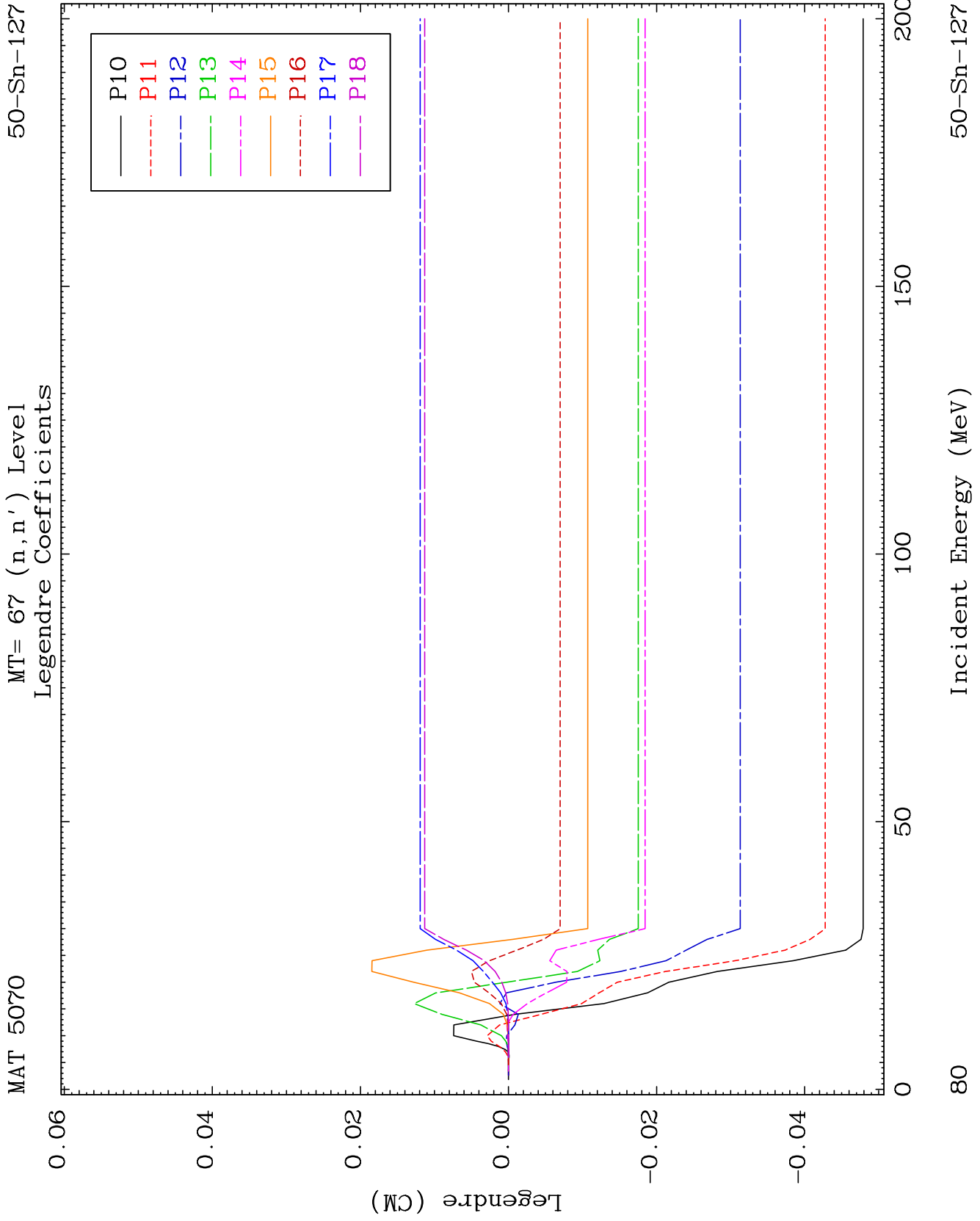


78 50-Sn-127

MAT 5070 MT= 67 (n,n') Level Legendre Coefficients 50-Sn-127



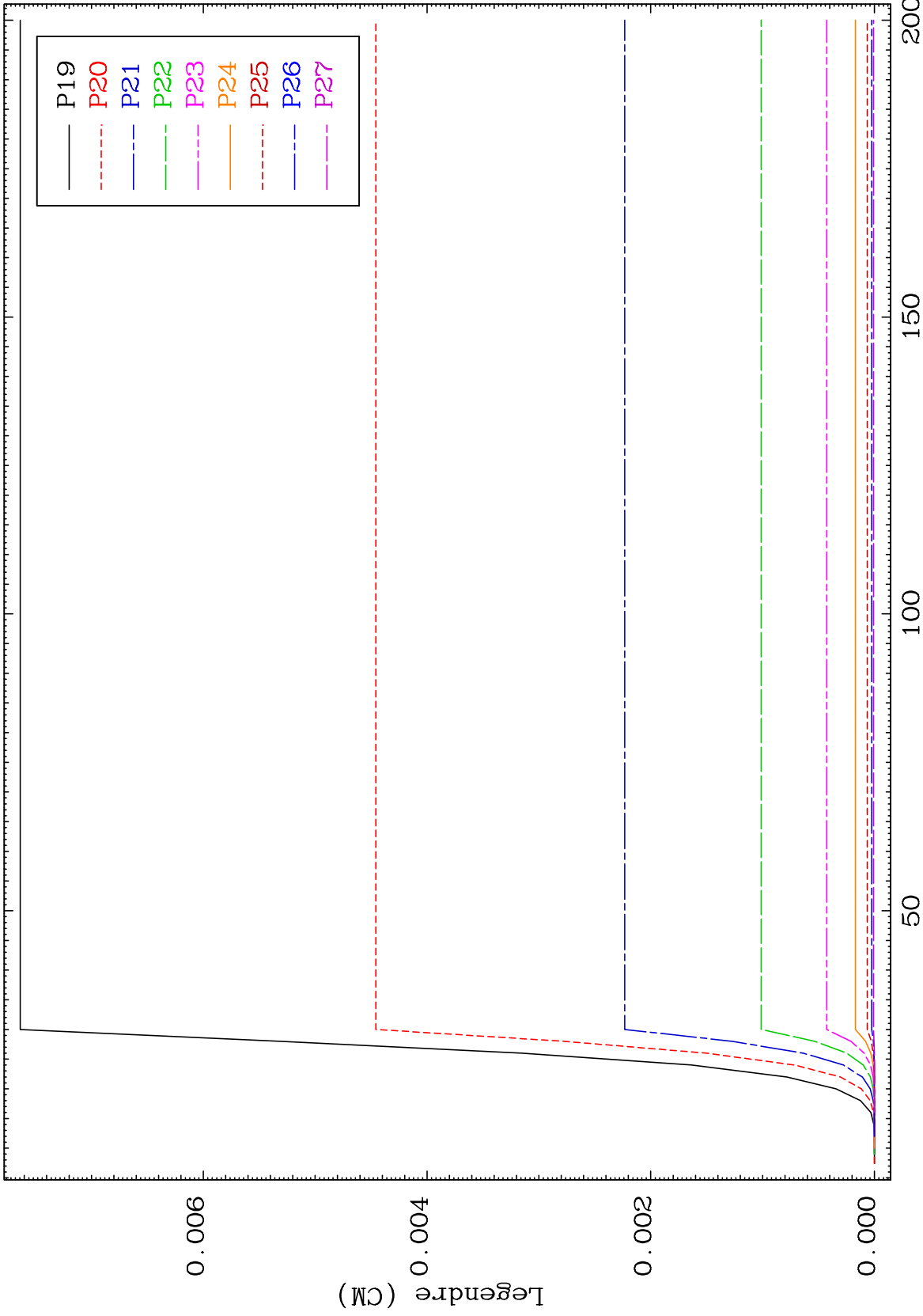
79 Incident Energy (MeV) 50-Sn-127



MAT 5070

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

50-Sn-127



81

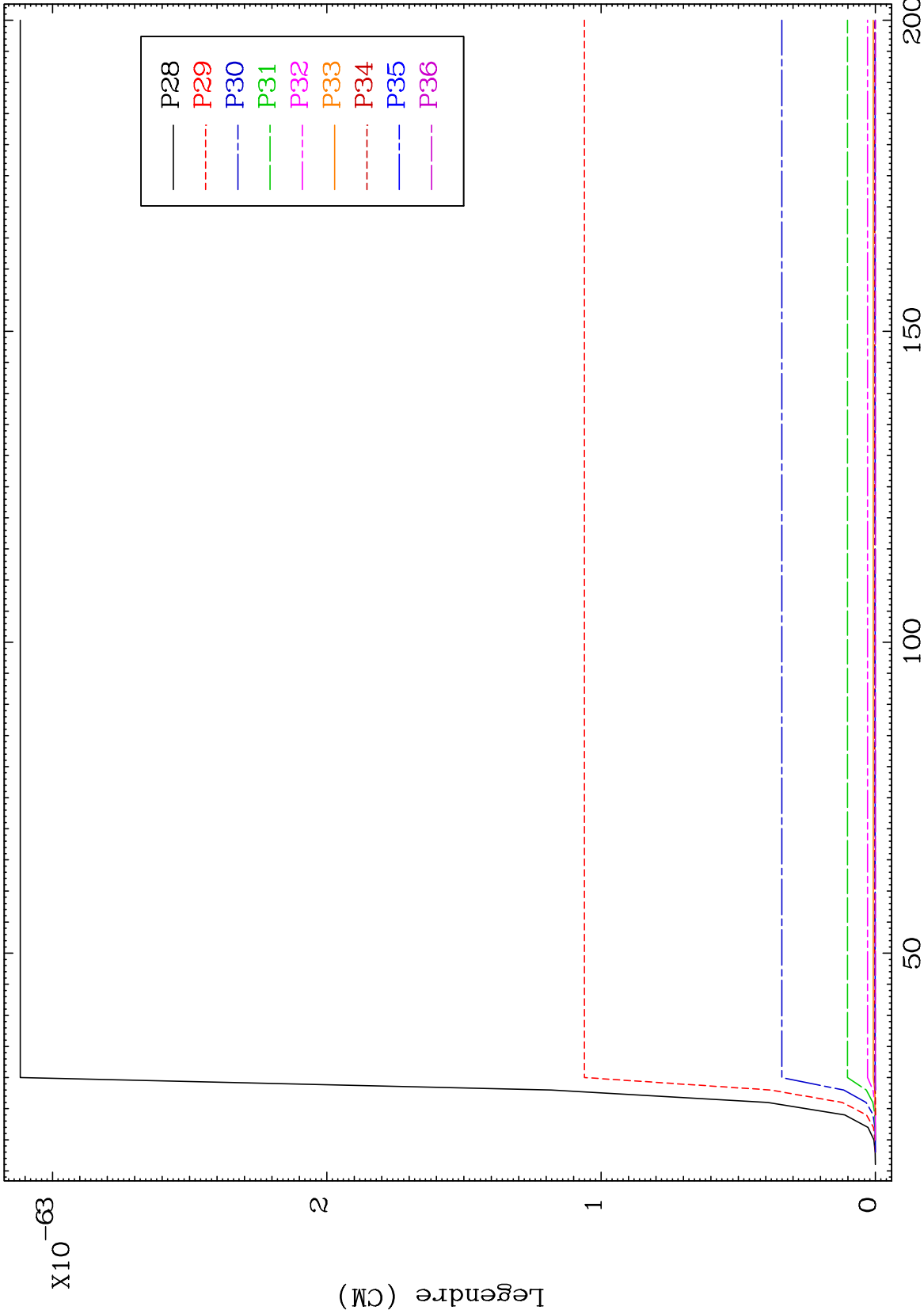
Incident Energy (MeV)

50-Sn-127

MAT 5070

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

50-Sn-127



82

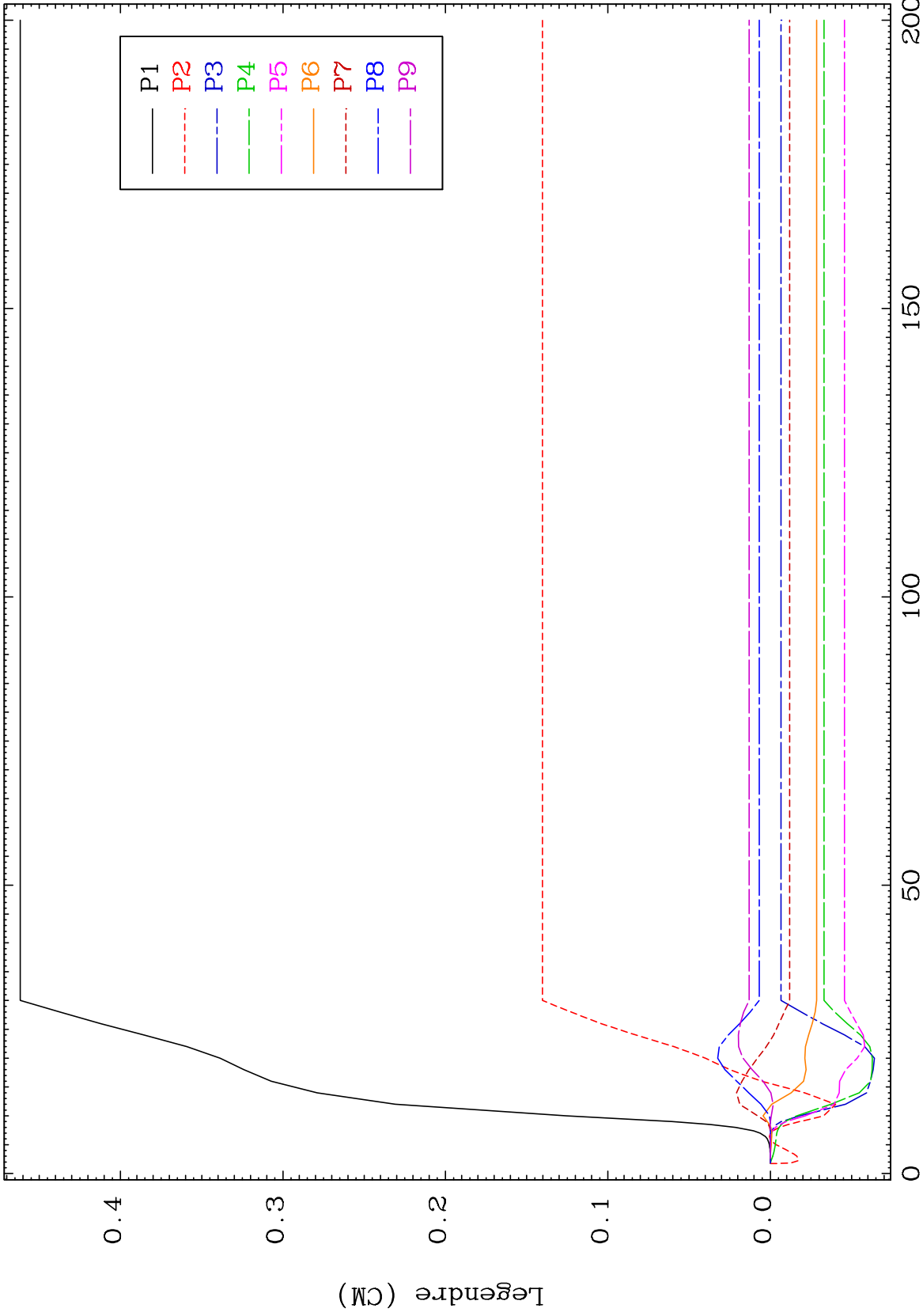
Incident Energy (MeV)

50-Sn-127

MAT 5070

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

50-Sn-127



83

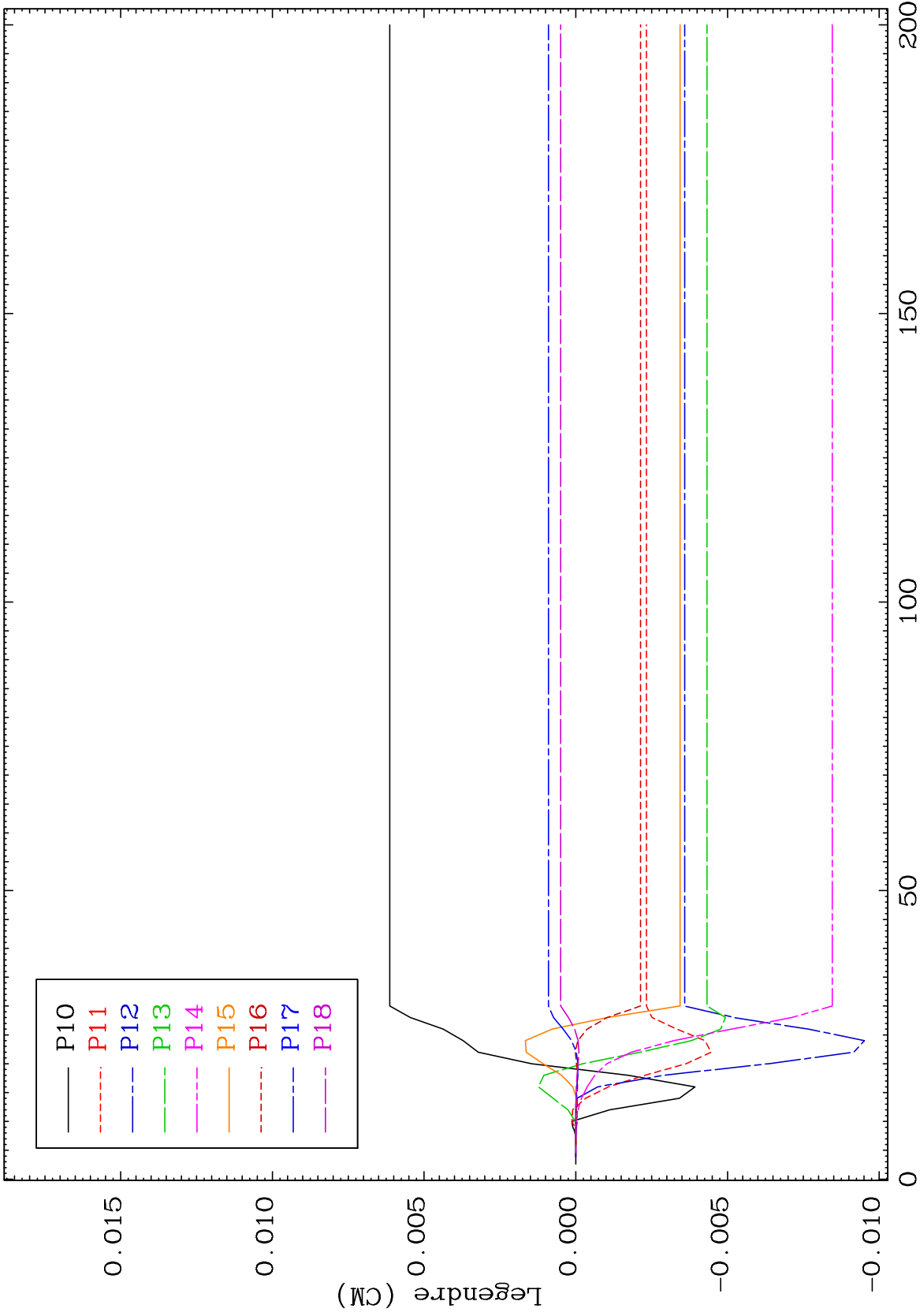
Incident Energy (MeV)

50-Sn-127

MAT 5070

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

50-Sn-127



84

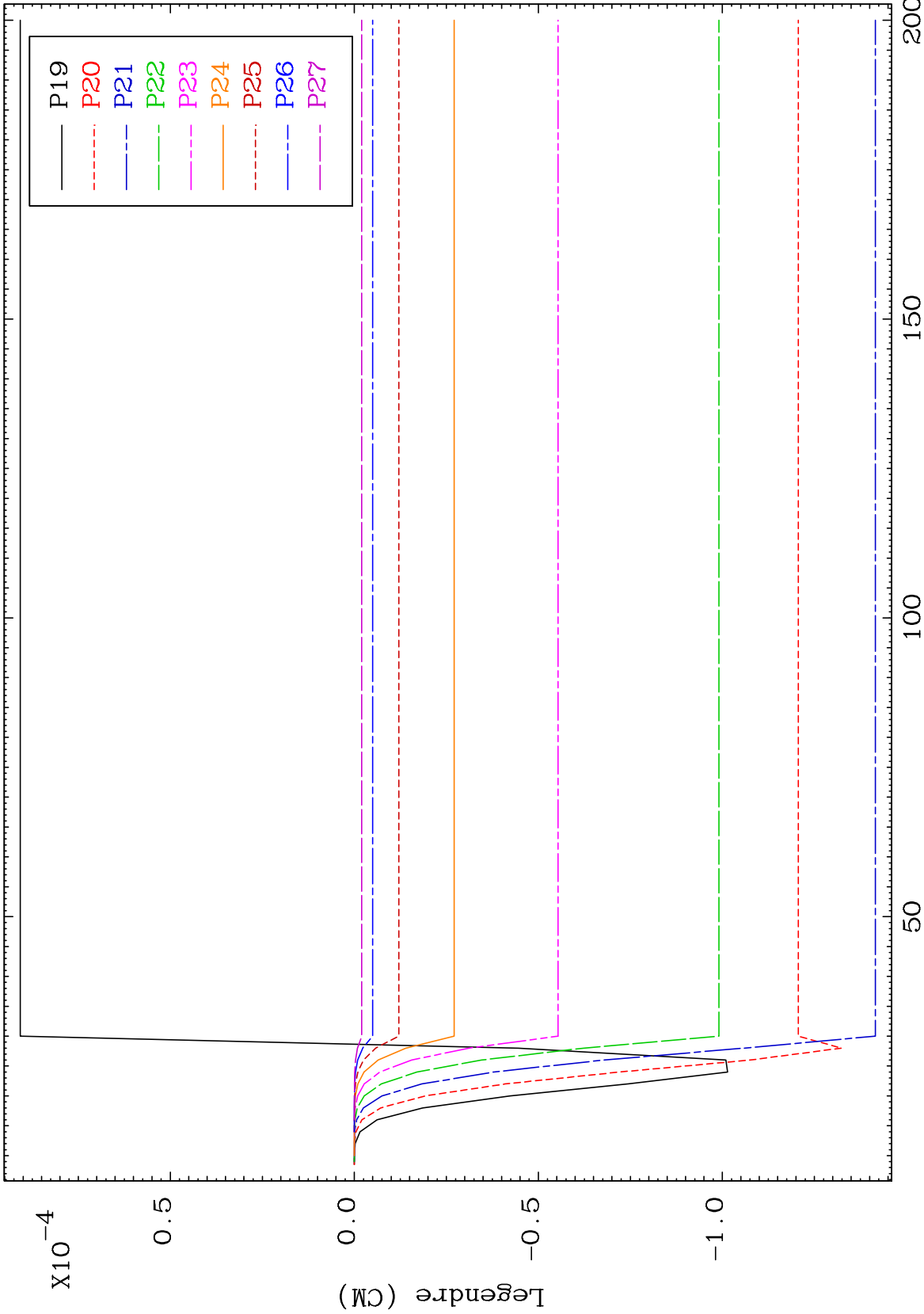
Incident Energy (MeV)

50-Sn-127

MAT 5070

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

50-Sn-127

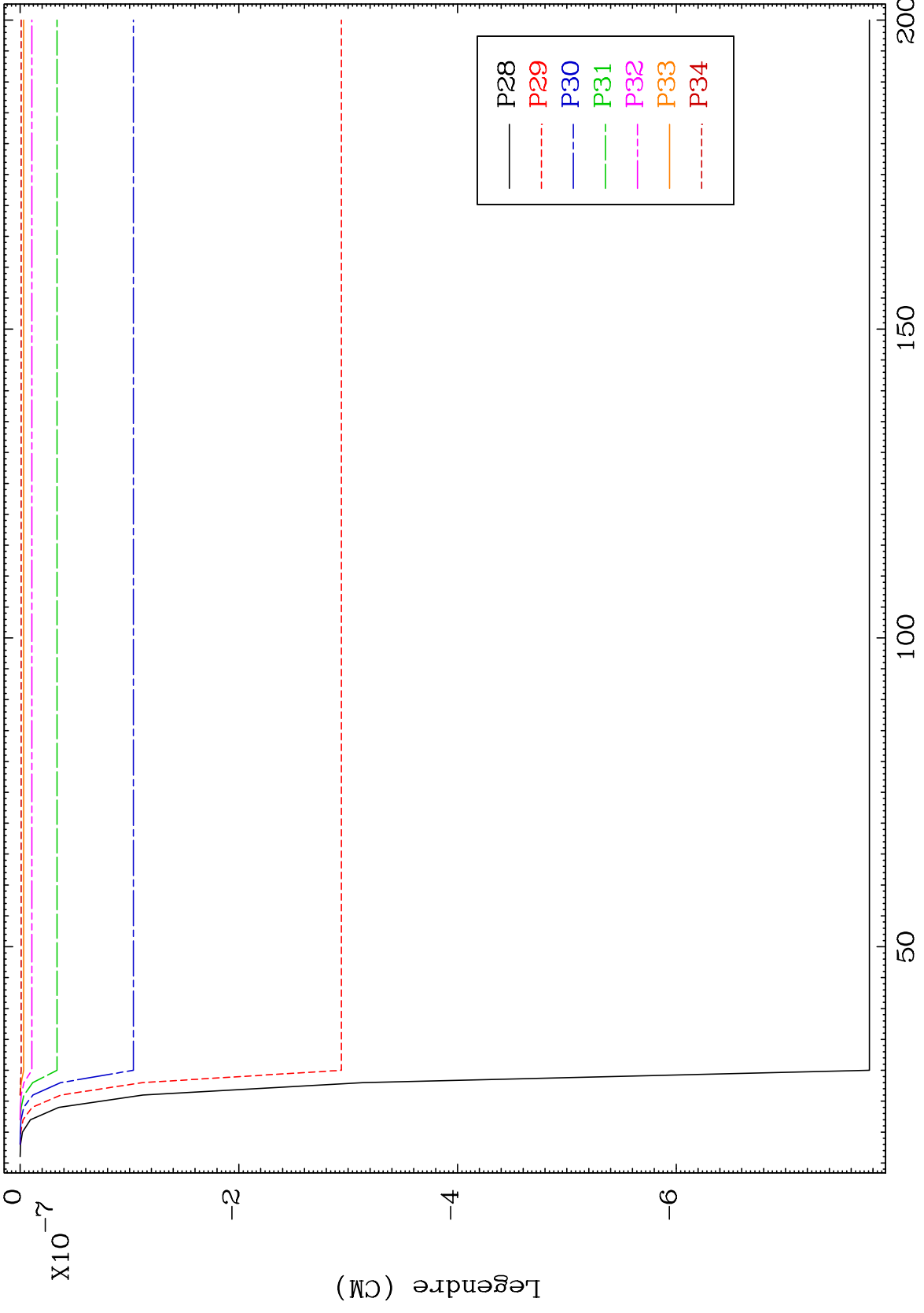


85

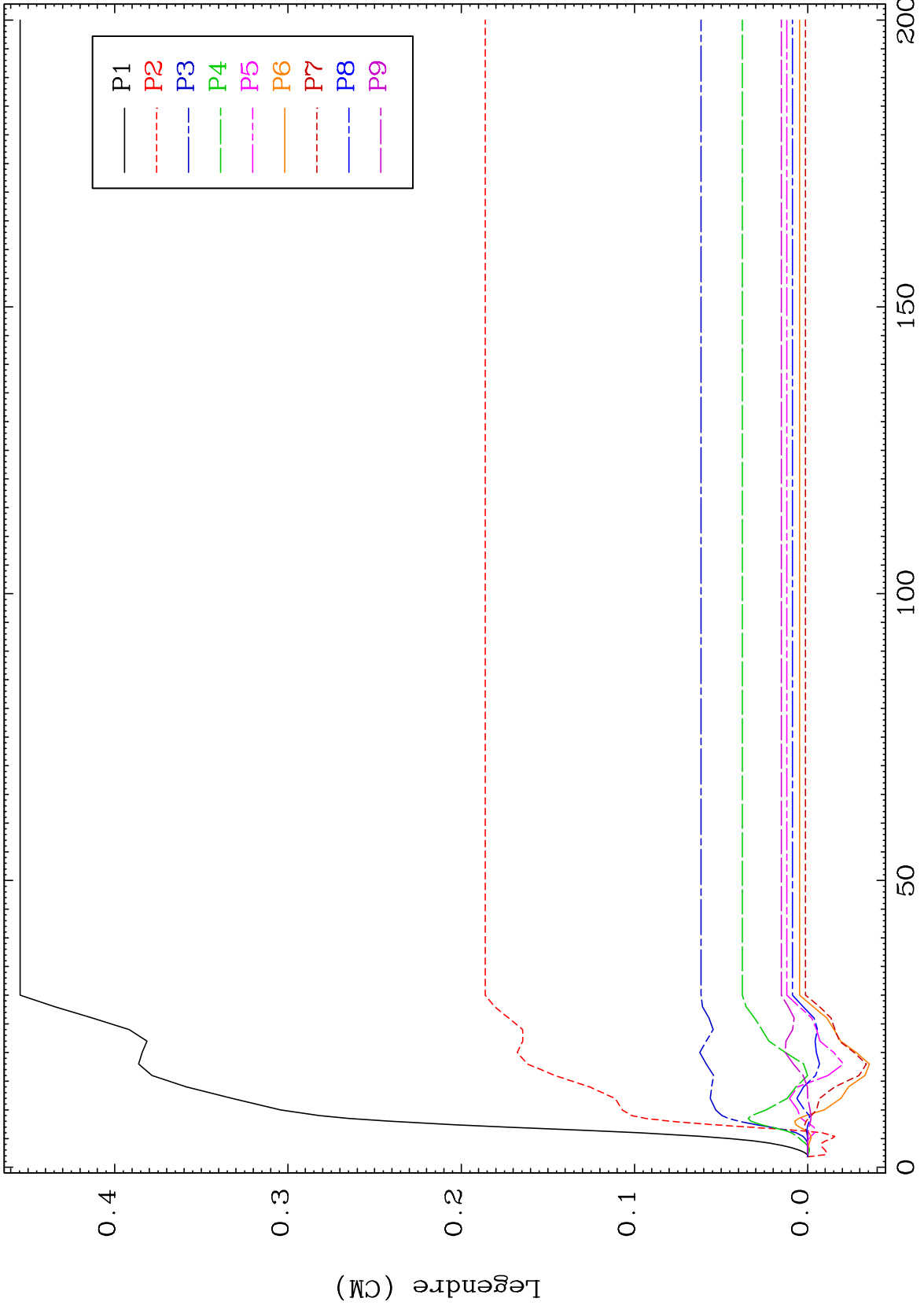
Incident Energy (MeV)

50-Sn-127

MAT 5070 MT= 68 (n,n') Level Legendre Coefficients 50-Sn-127



MAT 5070 MT= 69 (n,n') Level Legendre Coefficients 50-Sn-127

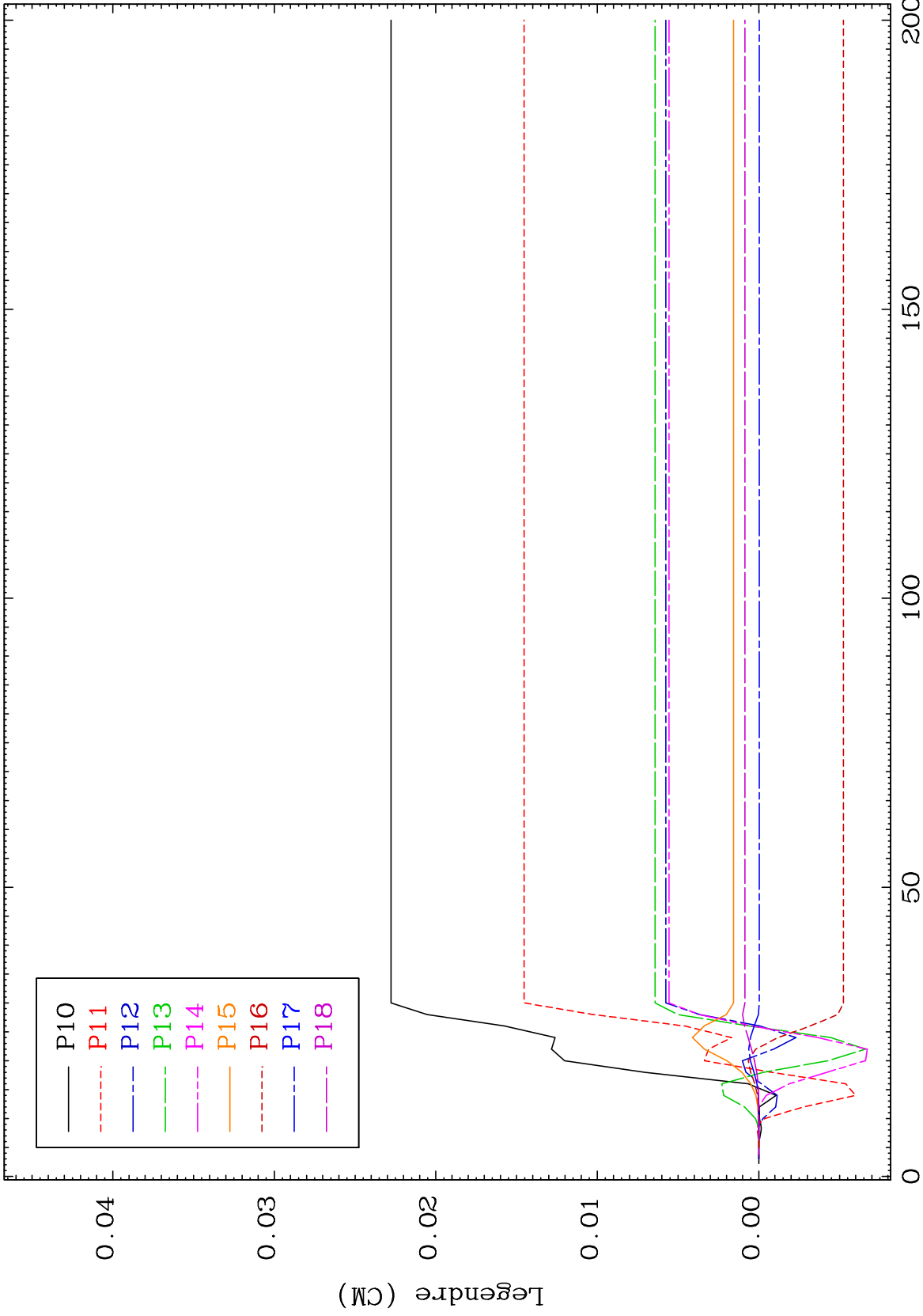


87 50-Sn-127

MAT 5070

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

50-Sn-127



88

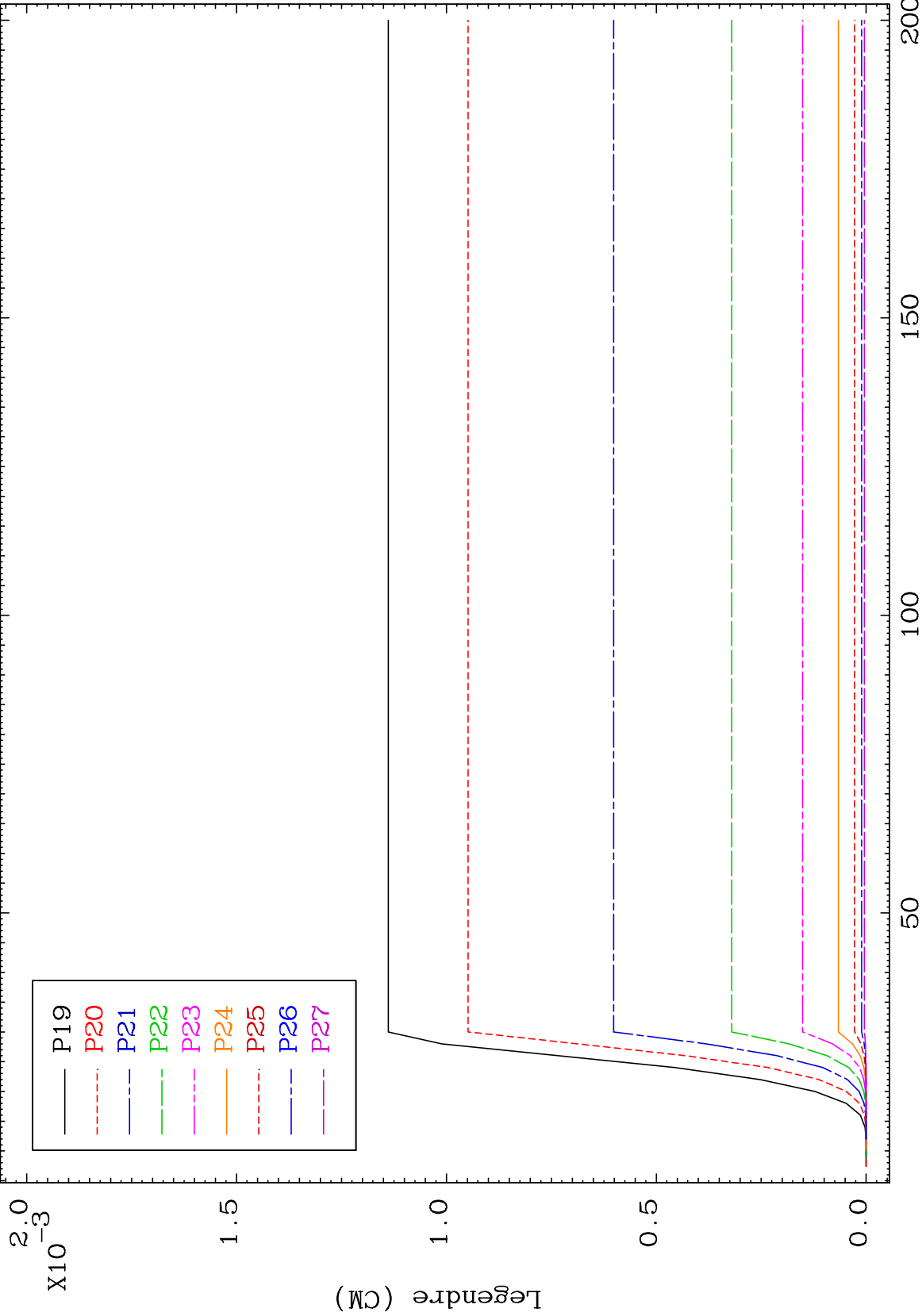
Incident Energy (MeV)

50-Sn-127

MAT 5070

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

50-Sn-127

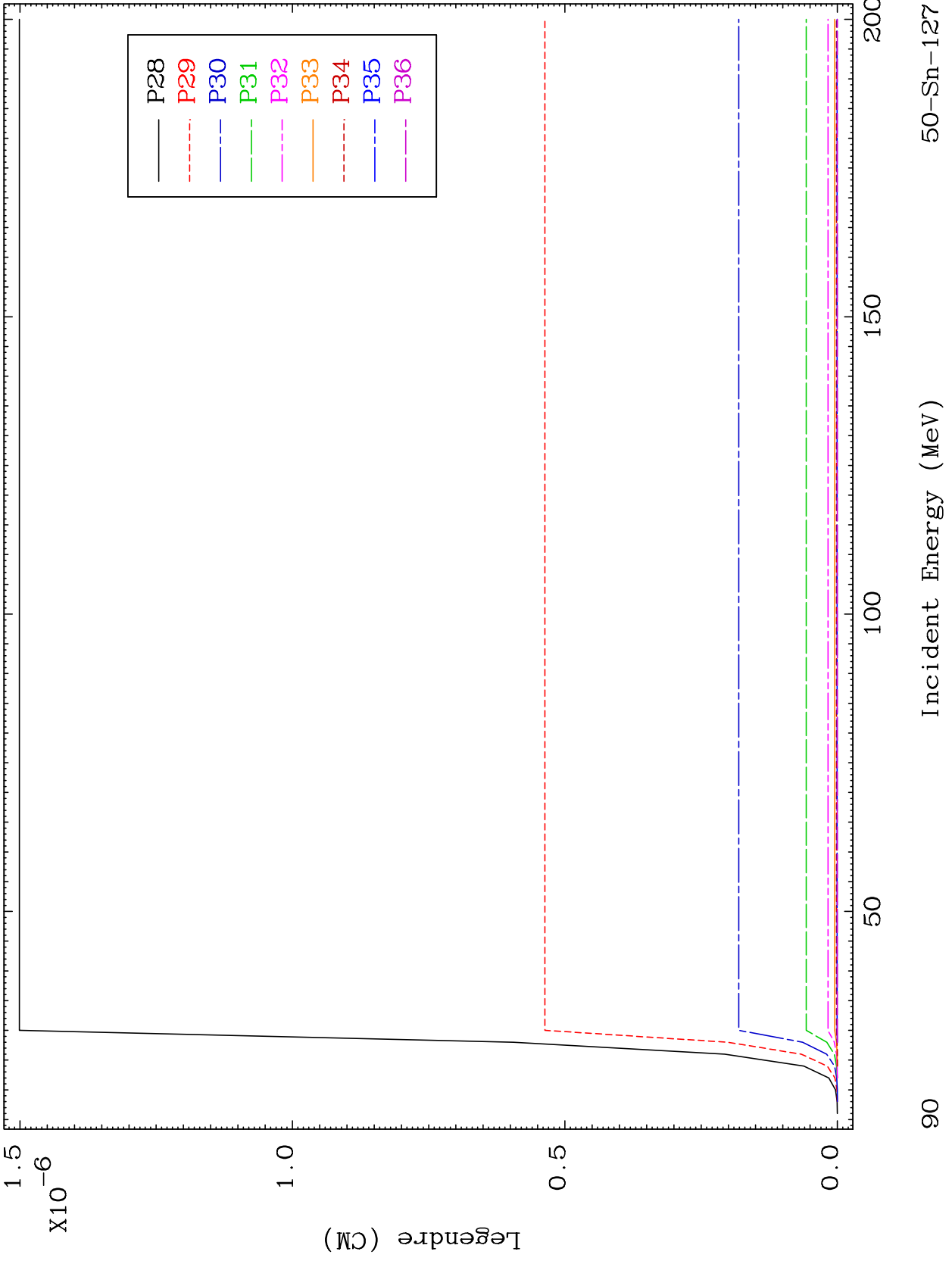


89

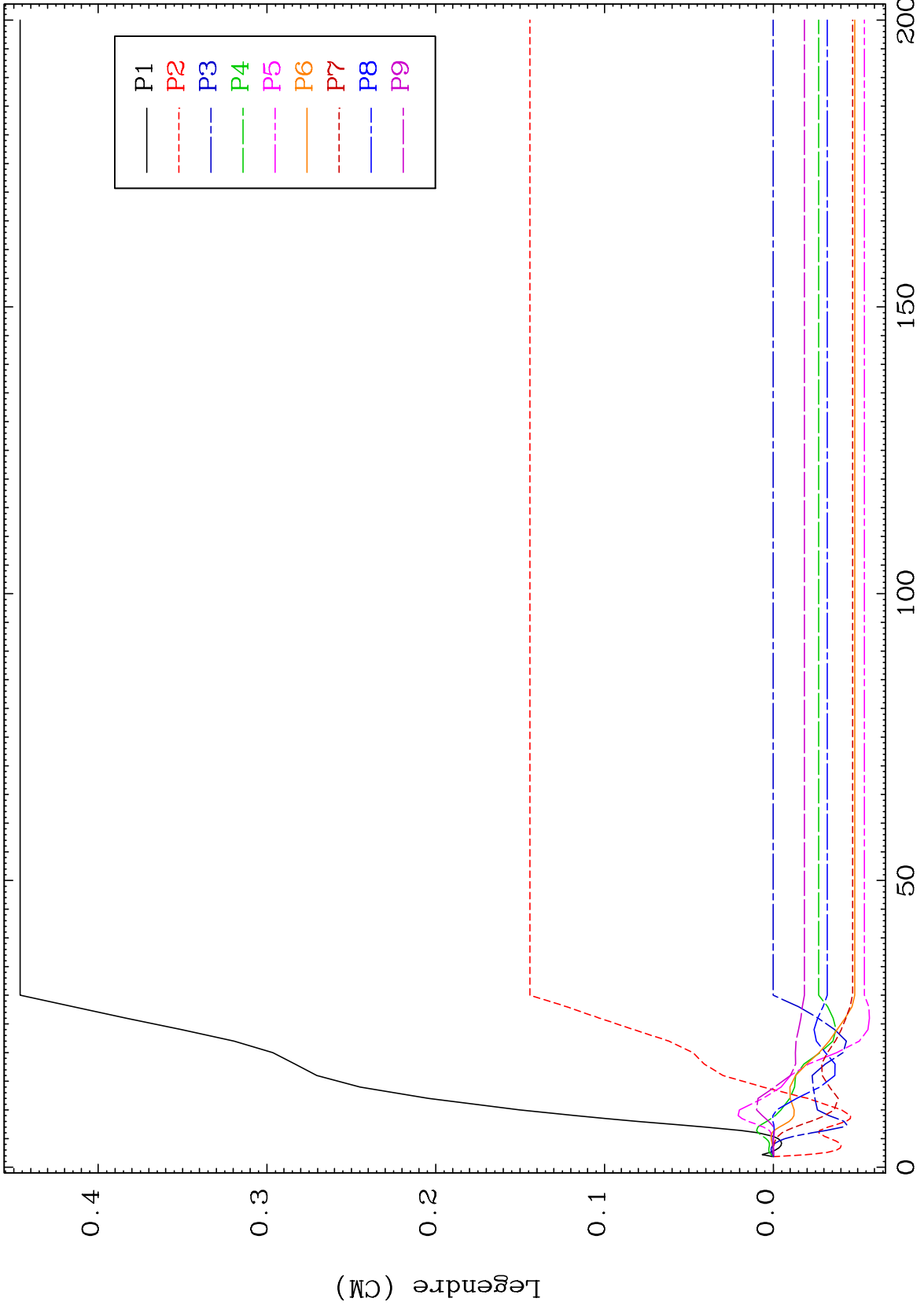
Incident Energy (MeV)

50-Sn-127

MAT 5070 MT= 69 (n,n') Level Legendre Coefficients 50-Sn-127



MAT 5070 MT= 70 (n,n') Level Legendre Coefficients 50-Sn-127

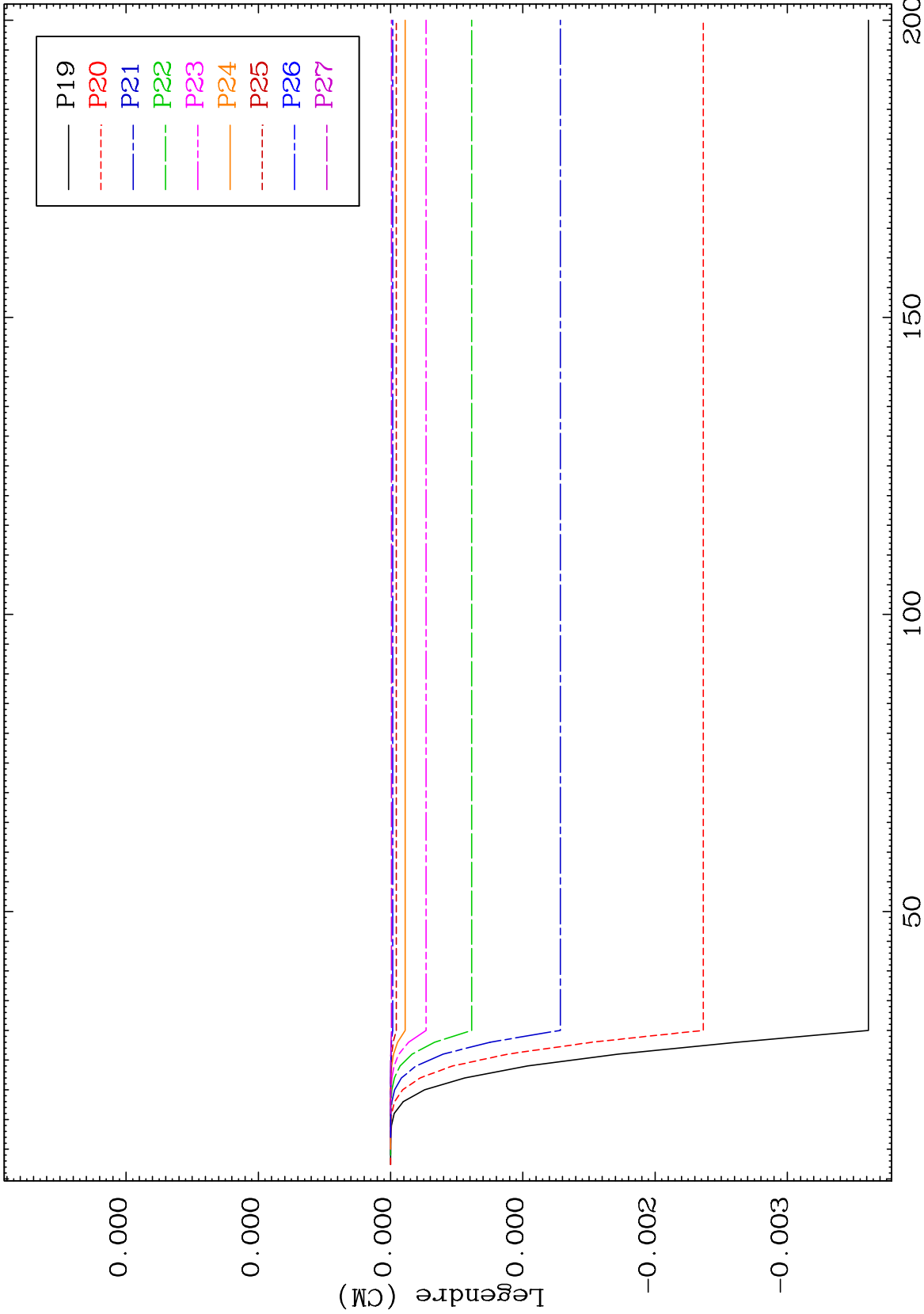


91 50-Sn-127

MAT 5070

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

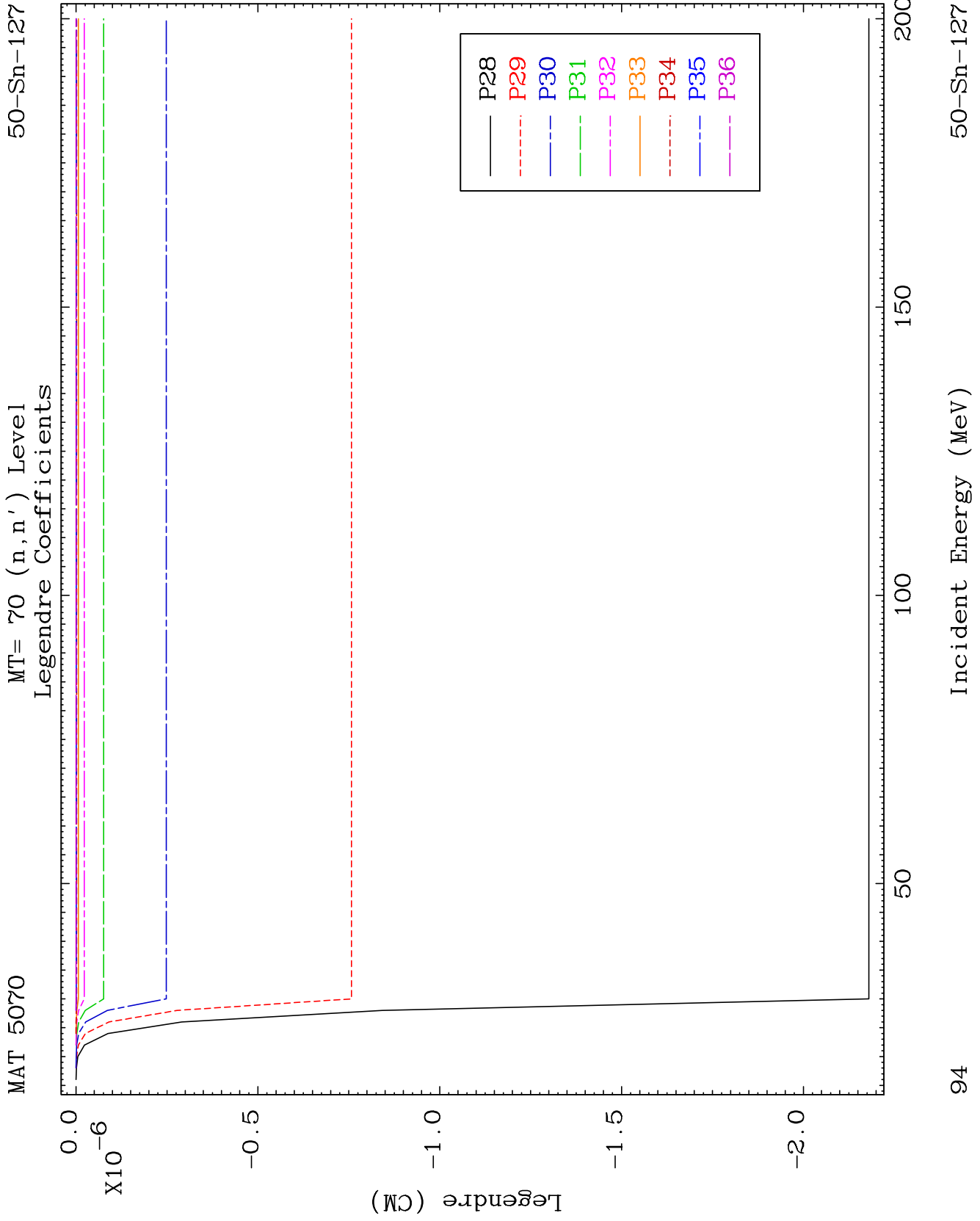
50-Sn-127



93

Incident Energy (MeV)

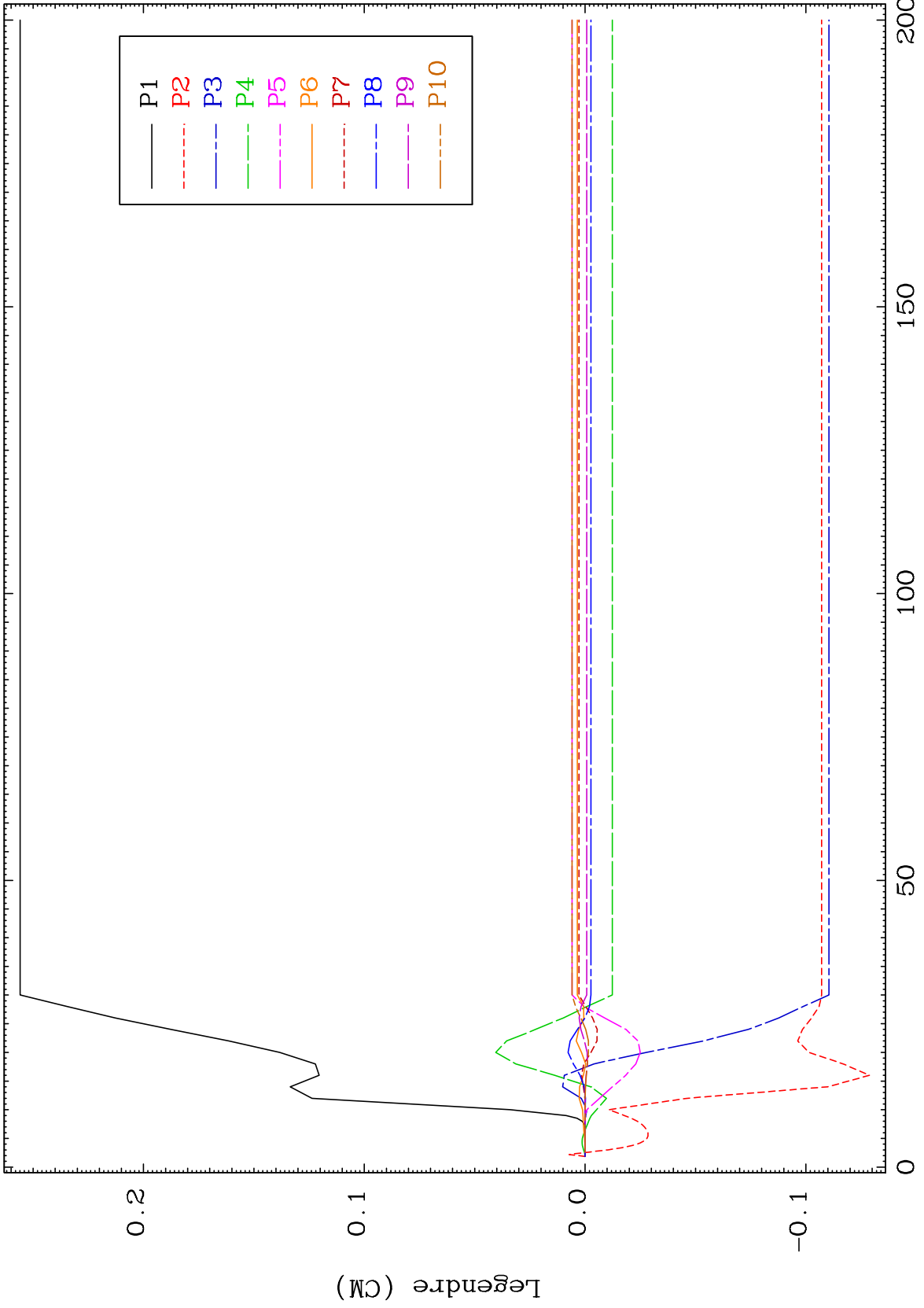
50-Sn-127



MAT 5070

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

50-Sn-127



95

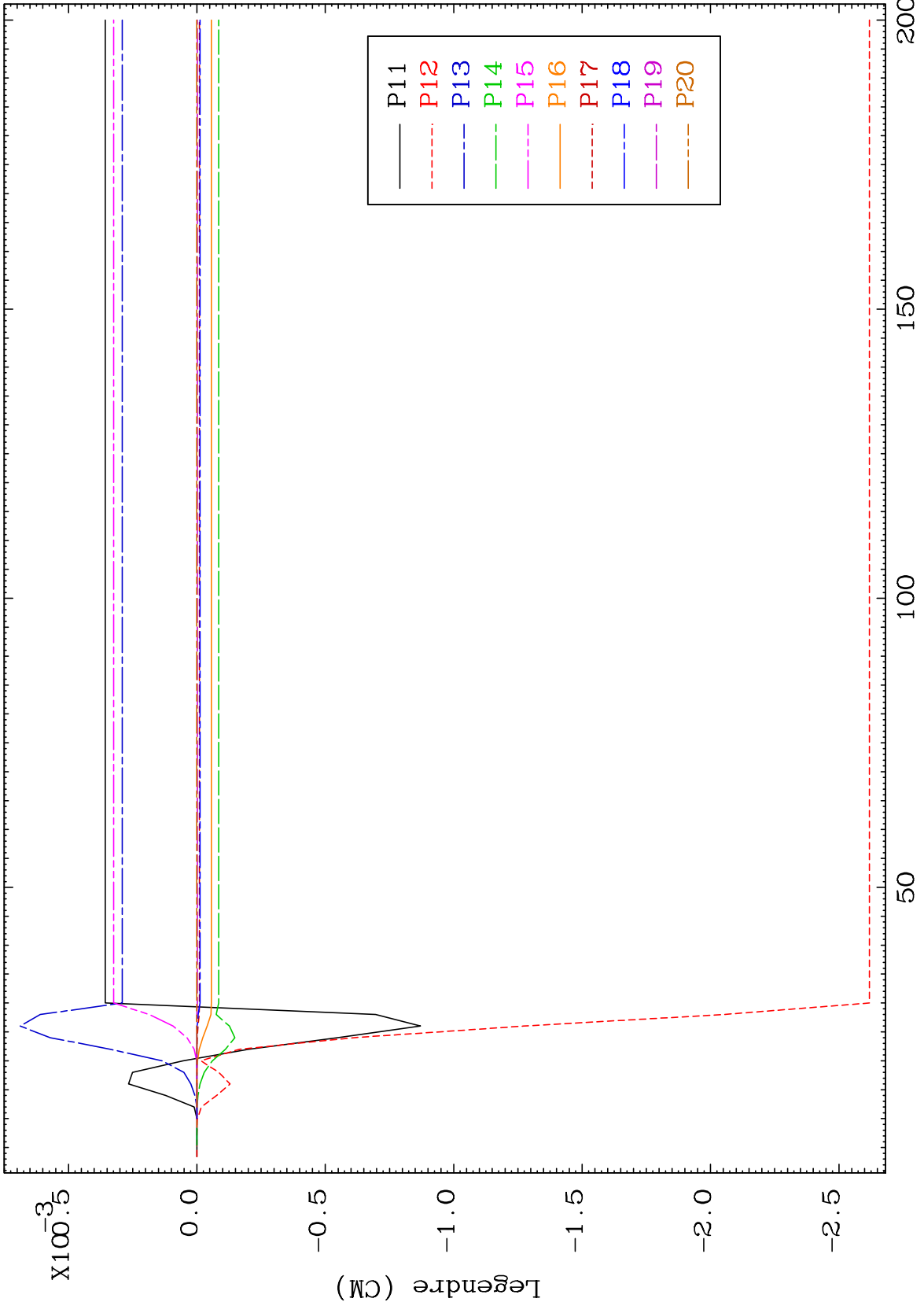
Incident Energy (MeV)

50-Sn-127

MAT 5070

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

50-Sn-127

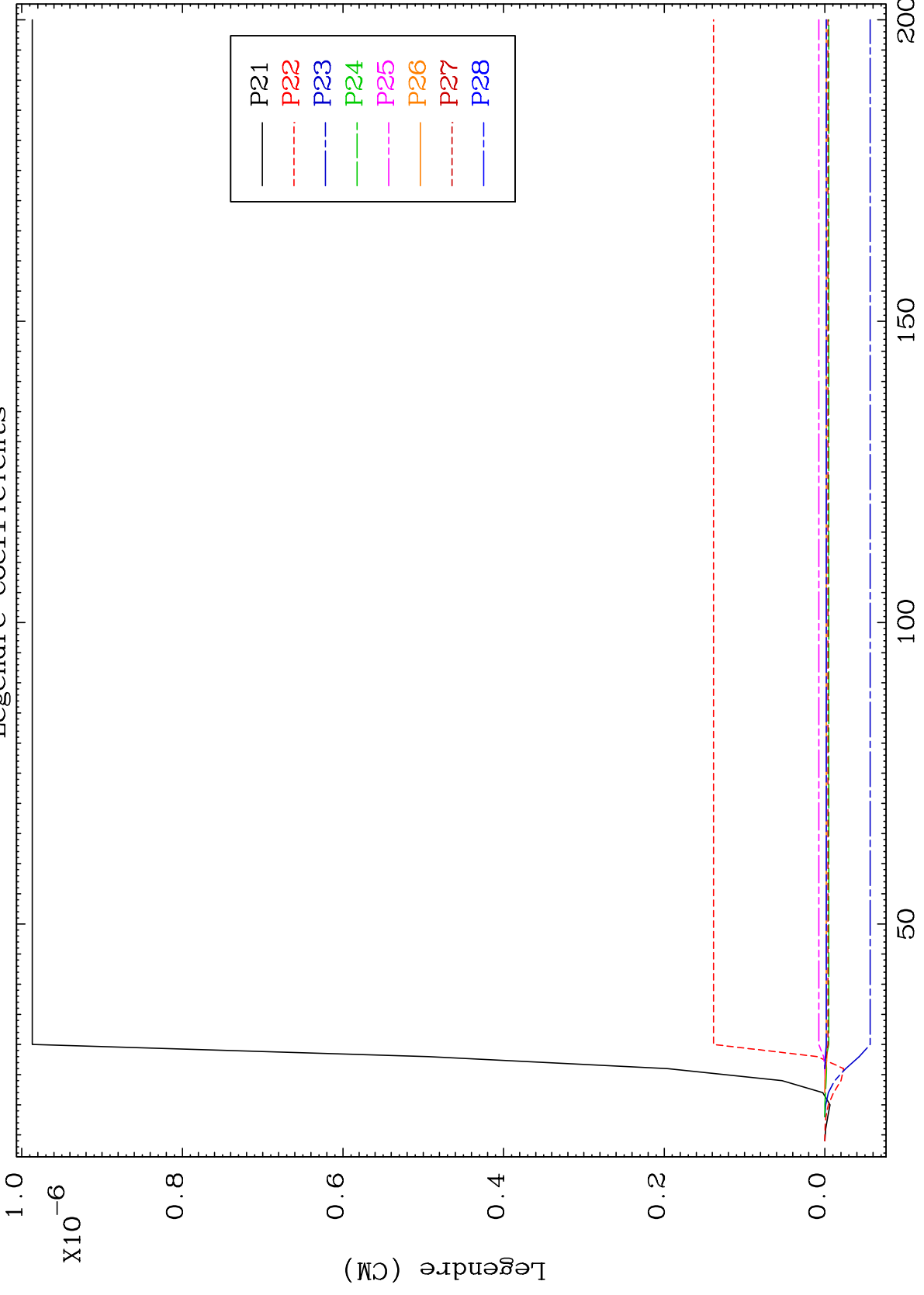


96

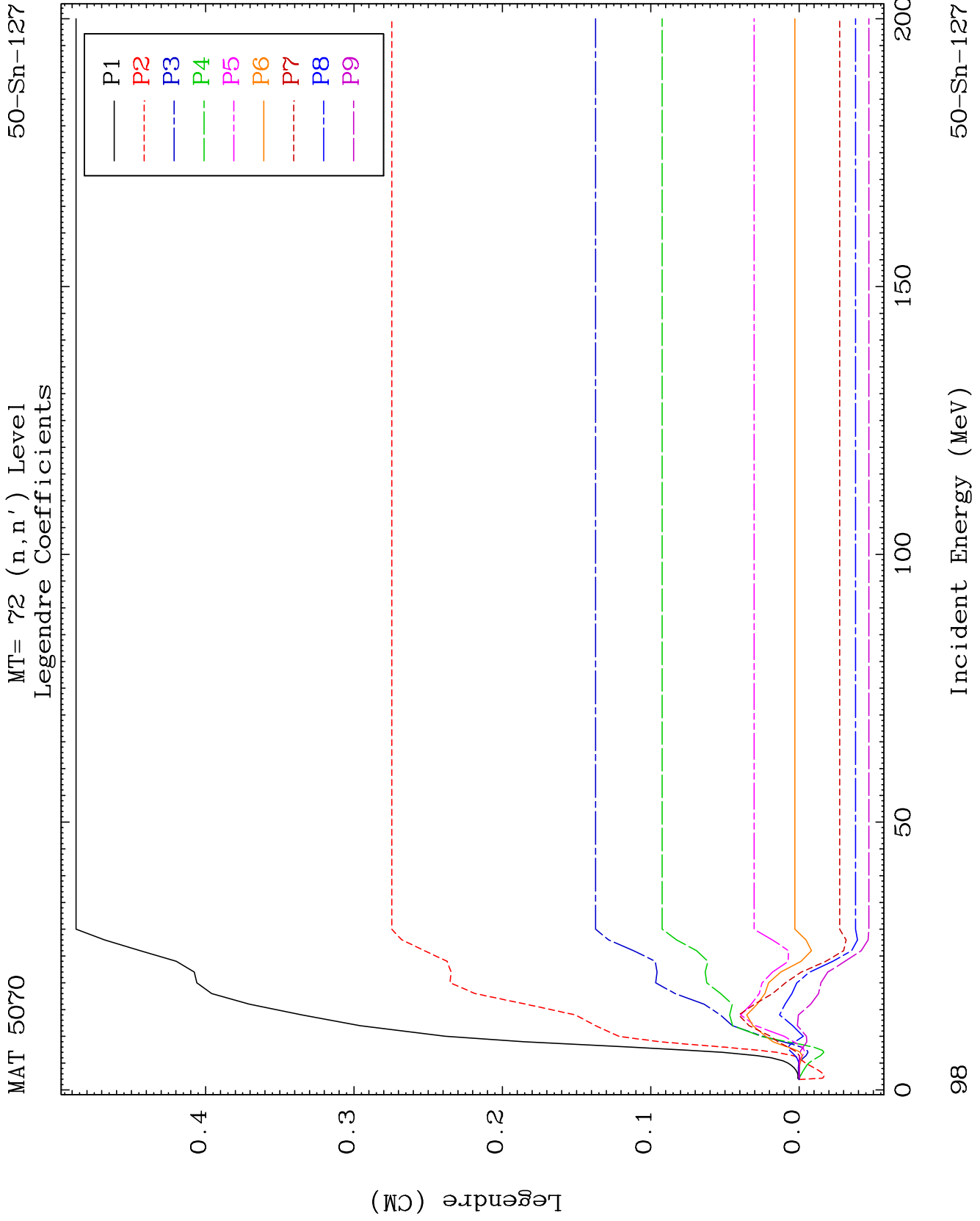
Incident Energy (MeV)

50-Sn-127

MAT 5070 MT= 71 (n,n') Level Legendre Coefficients 50-Sn-127



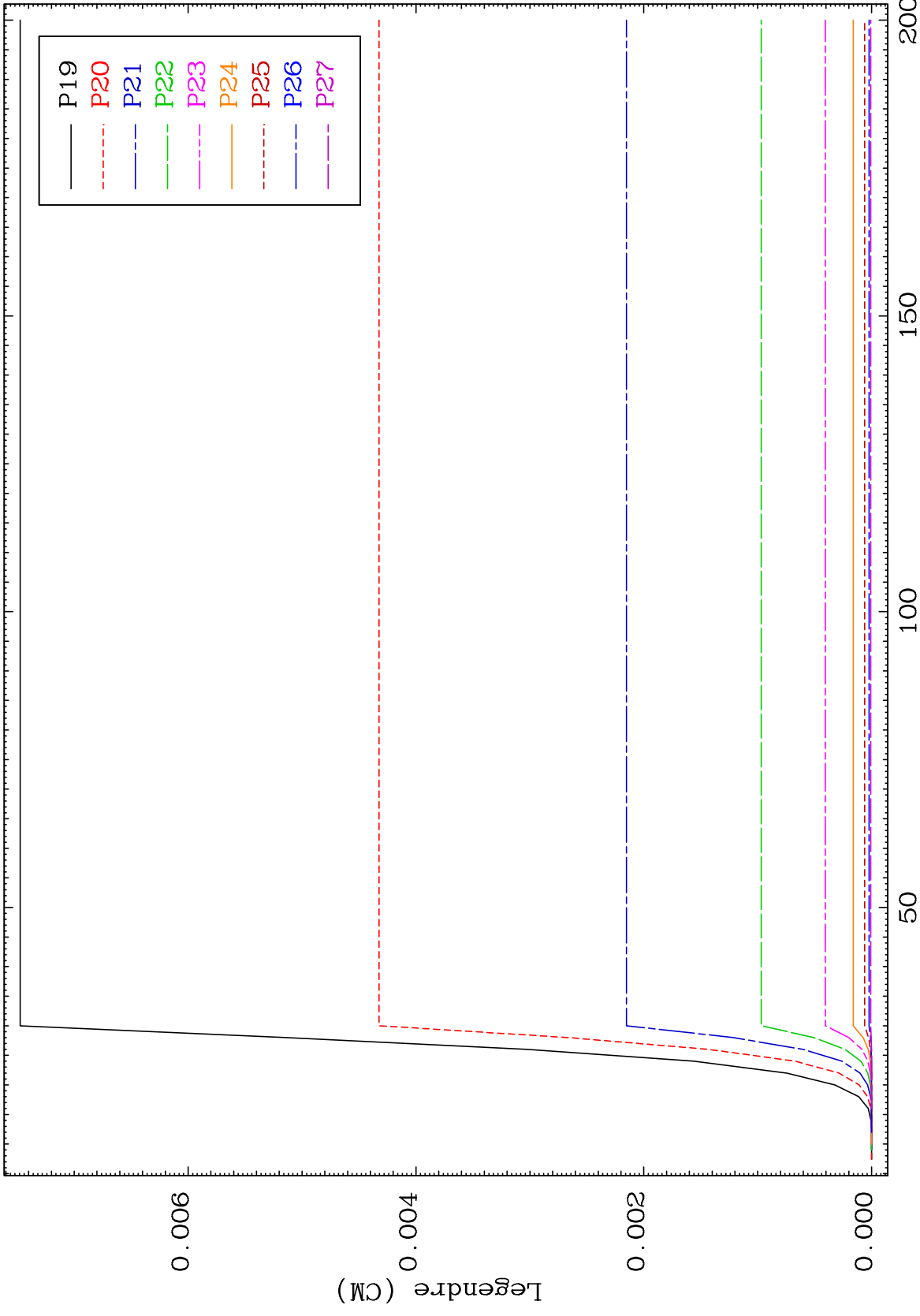
97 50-Sn-127



MAT 5070

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

50-Sn-127

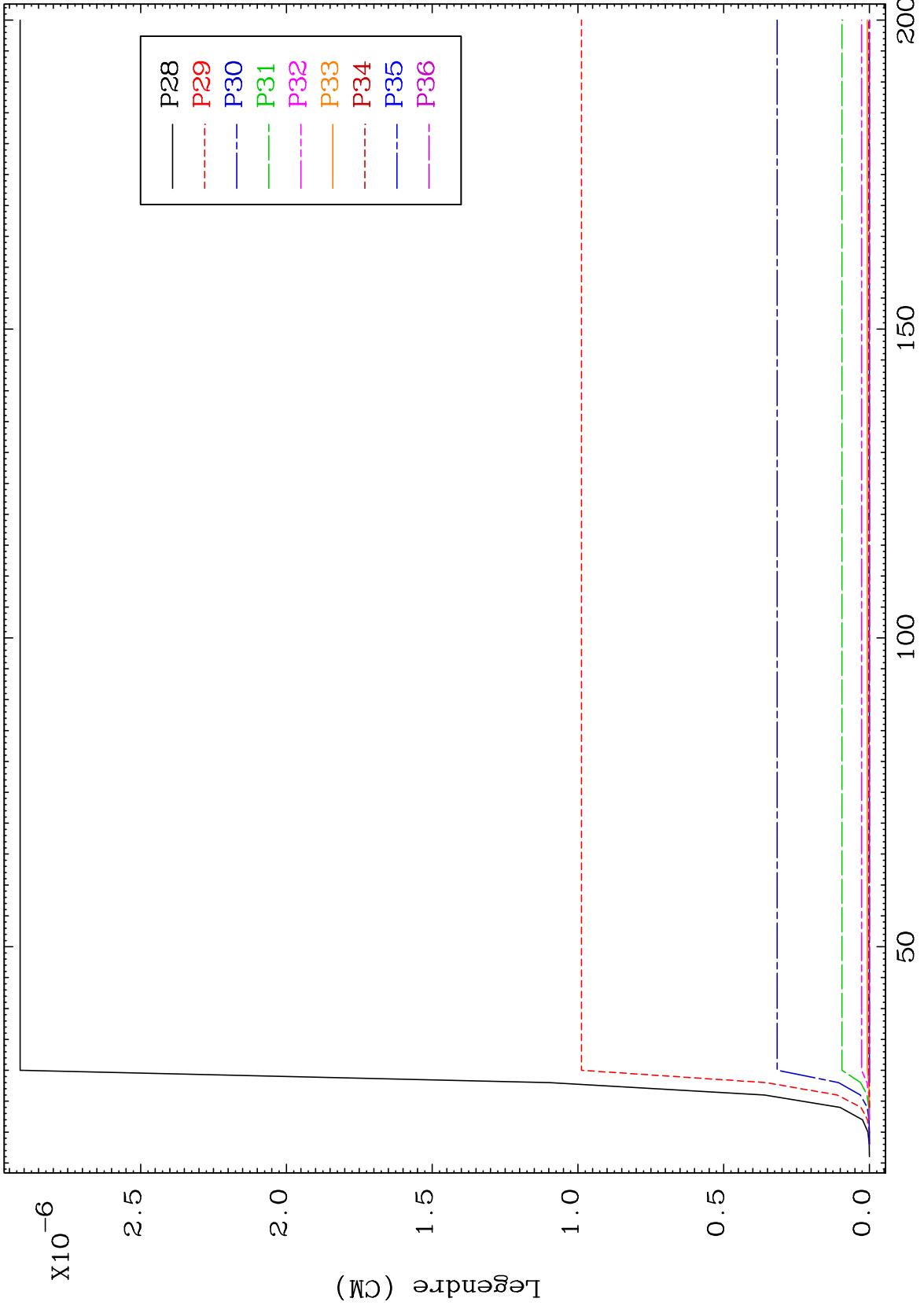


100

Incident Energy (MeV)

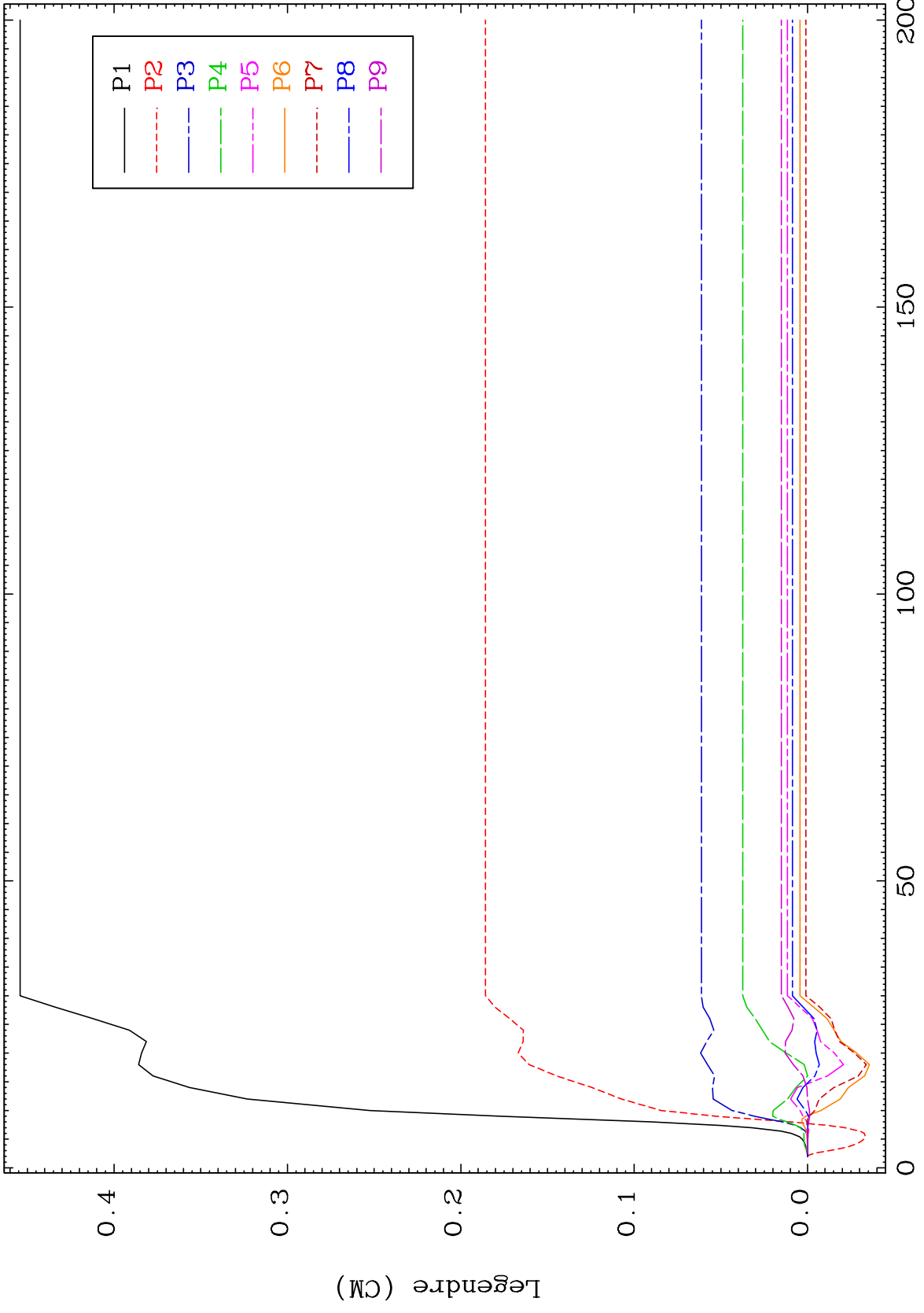
50-Sn-127

MAT 5070 MT= 72 (n,n') Level Legendre Coefficients 50-Sn-127



101 50-Sn-127

MAT 5070 MT= 73 (n,n') Level Legendre Coefficients 50-Sn-127

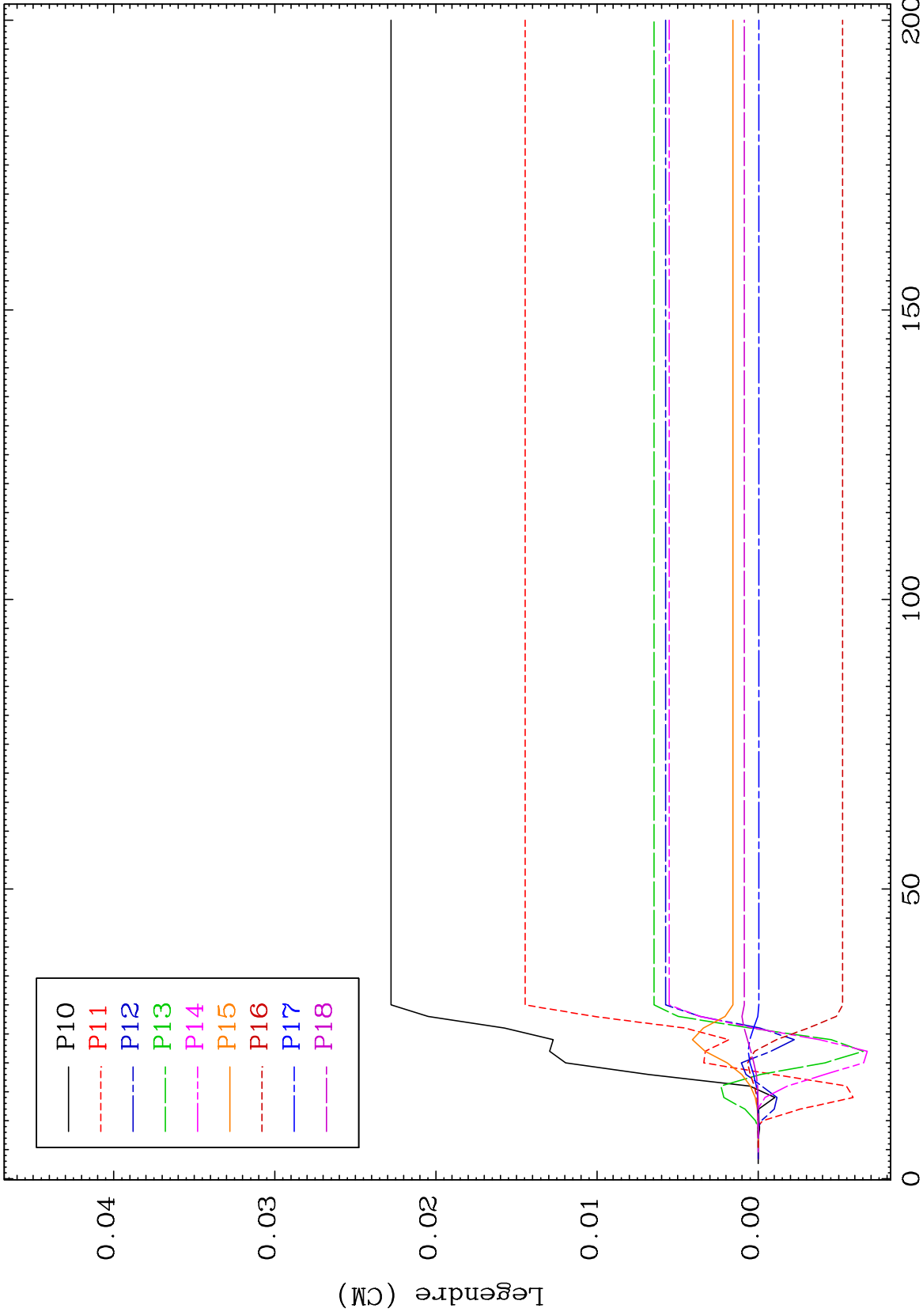


102 50-Sn-127

MAT 5070

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

50-Sn-127



103

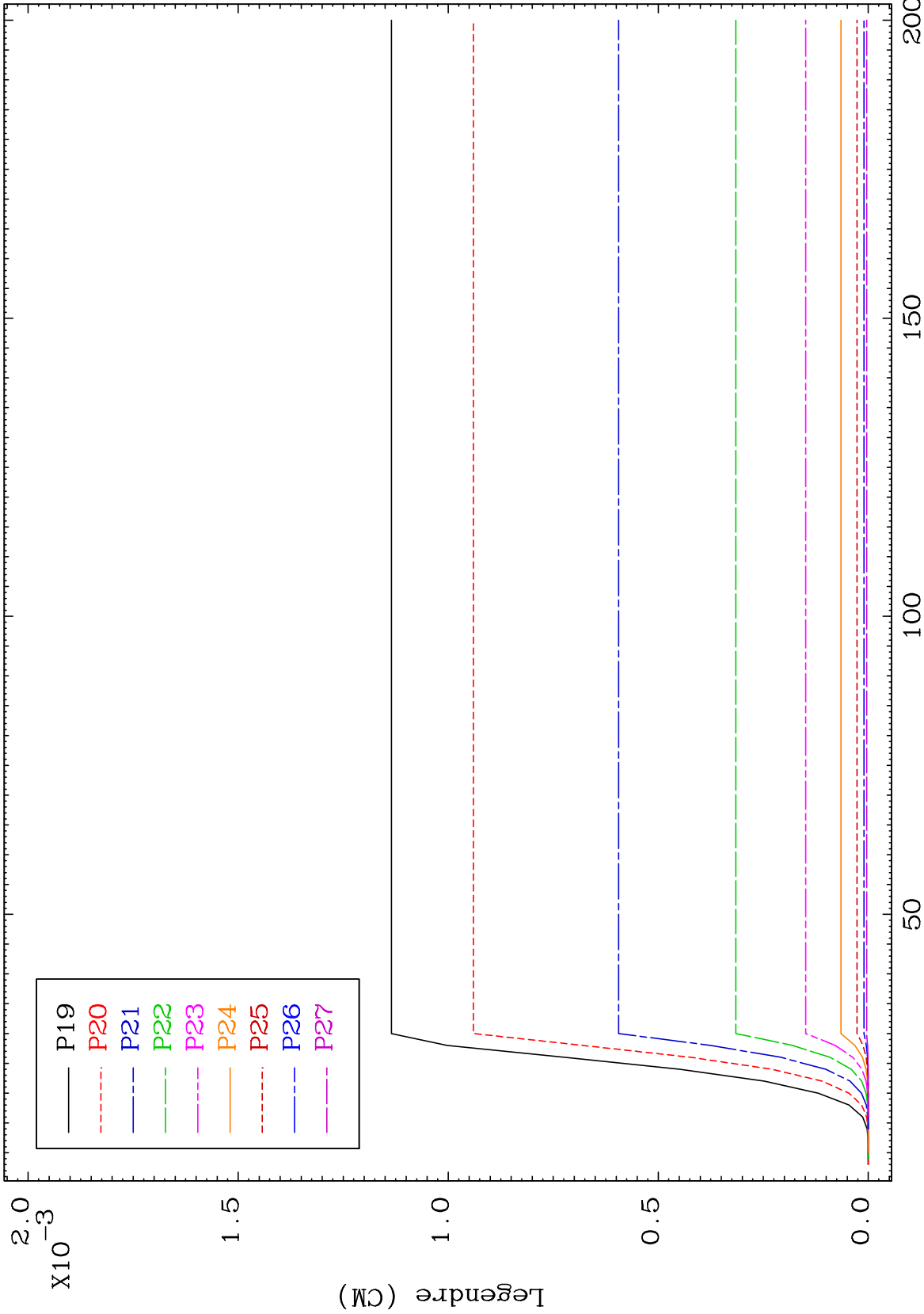
Incident Energy (MeV)

50-Sn-127

MAT 5070

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

50-Sn-127



104

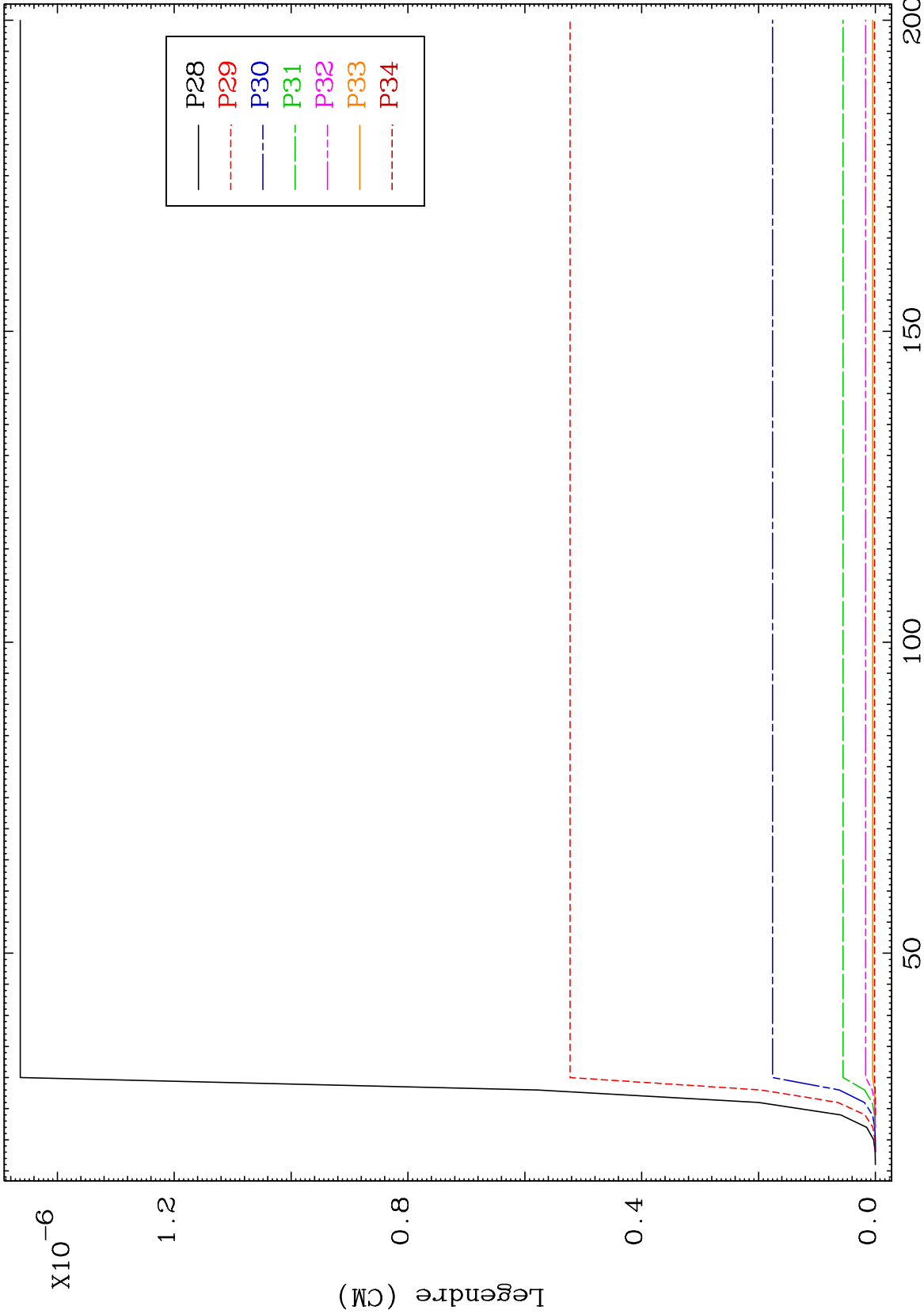
Incident Energy (MeV)

50-Sn-127

MAT 5070

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

50-Sn-127



105

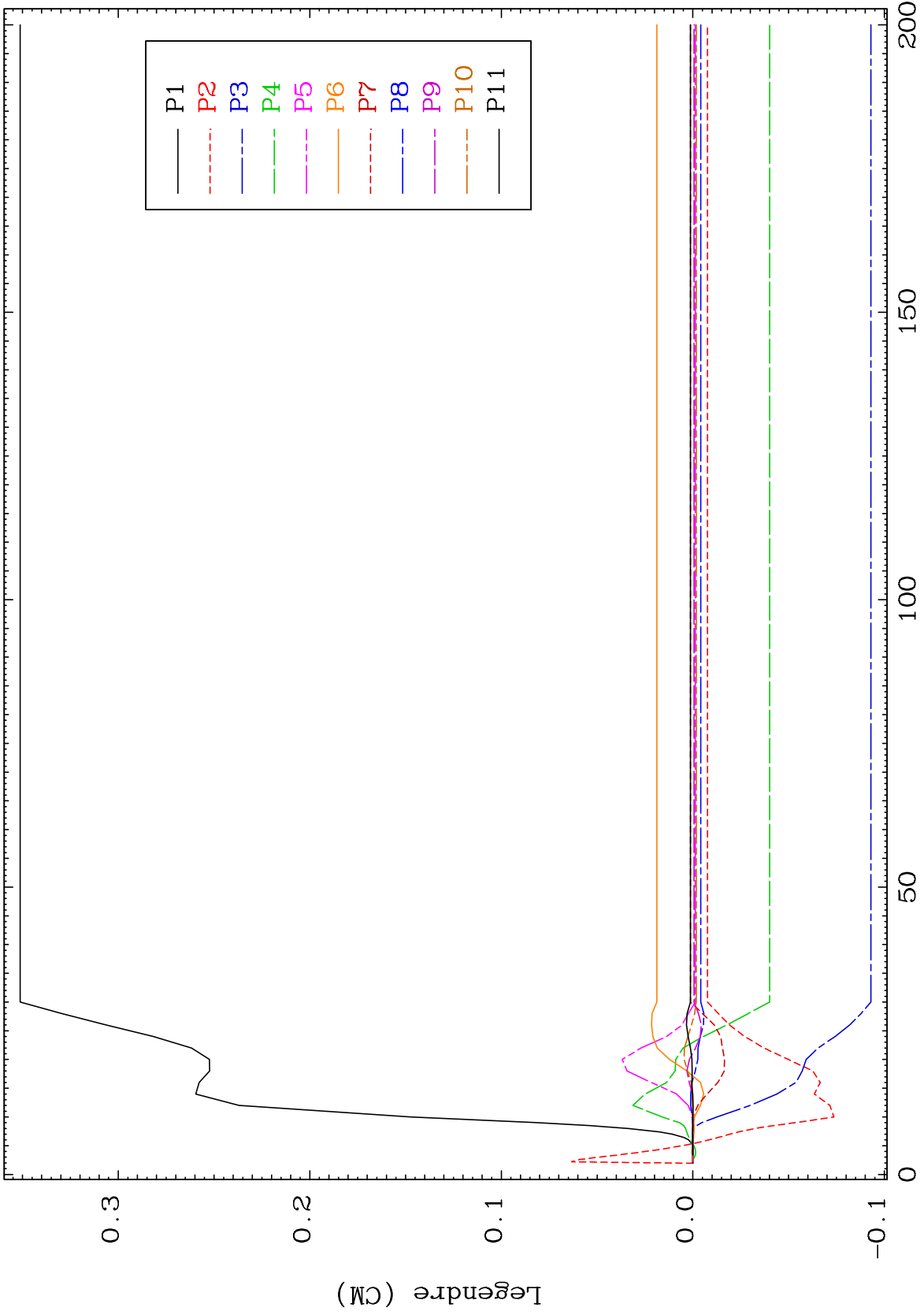
Incident Energy (MeV)

50-Sn-127

MAT 5070

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

50-Sn-127



106

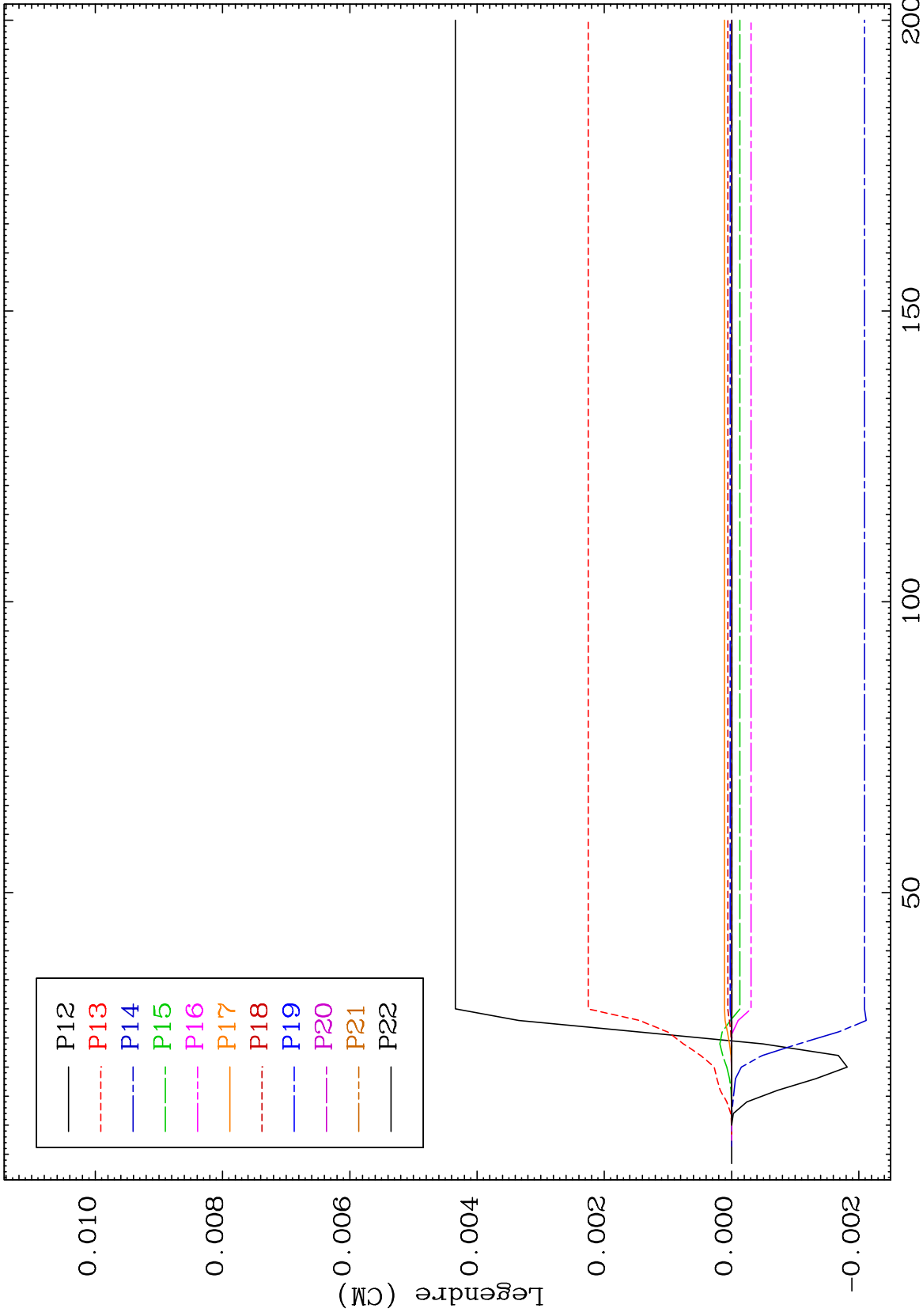
Incident Energy (MeV)

50-Sn-127

MAT 5070

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

50-Sn-127

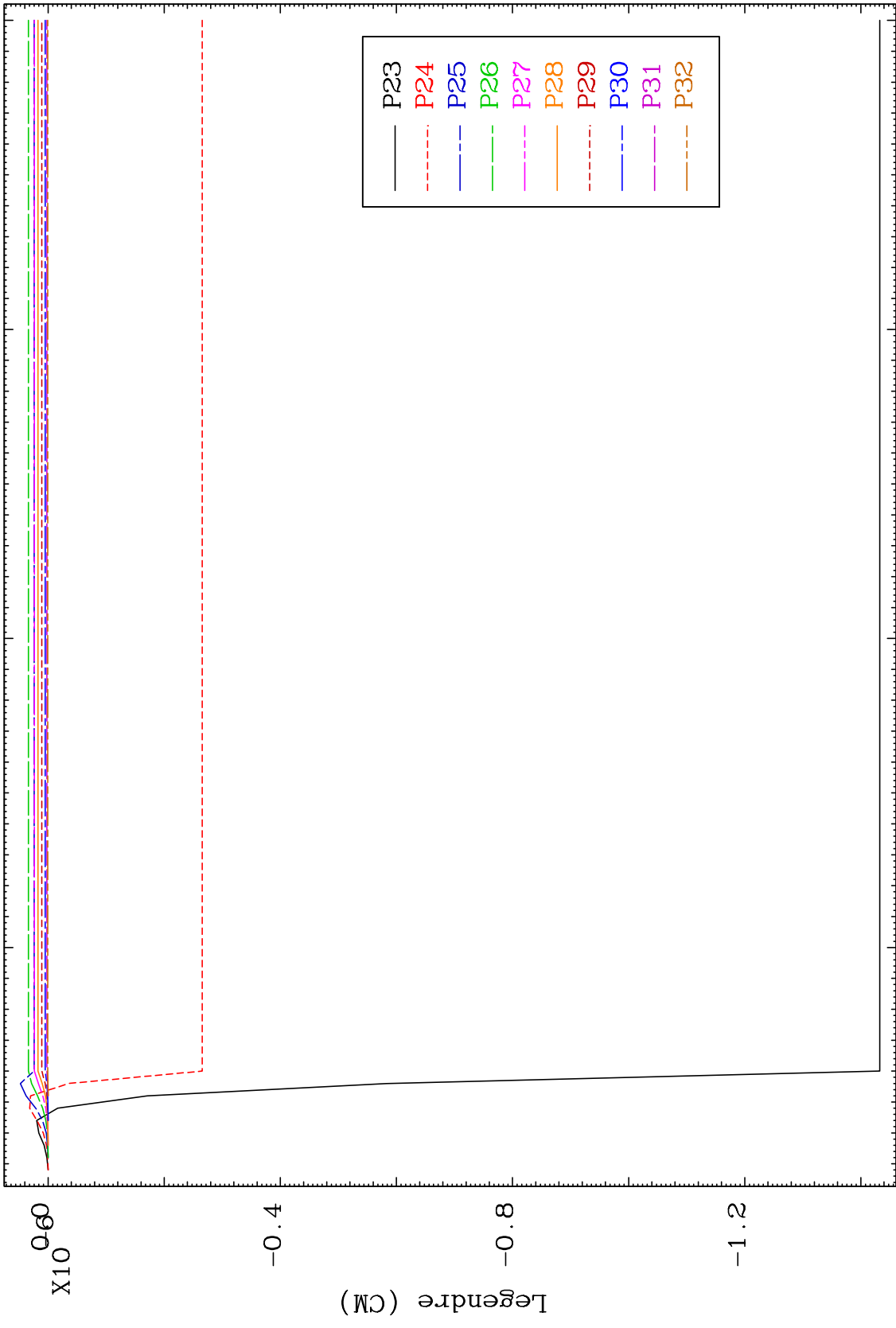


107

Incident Energy (MeV)

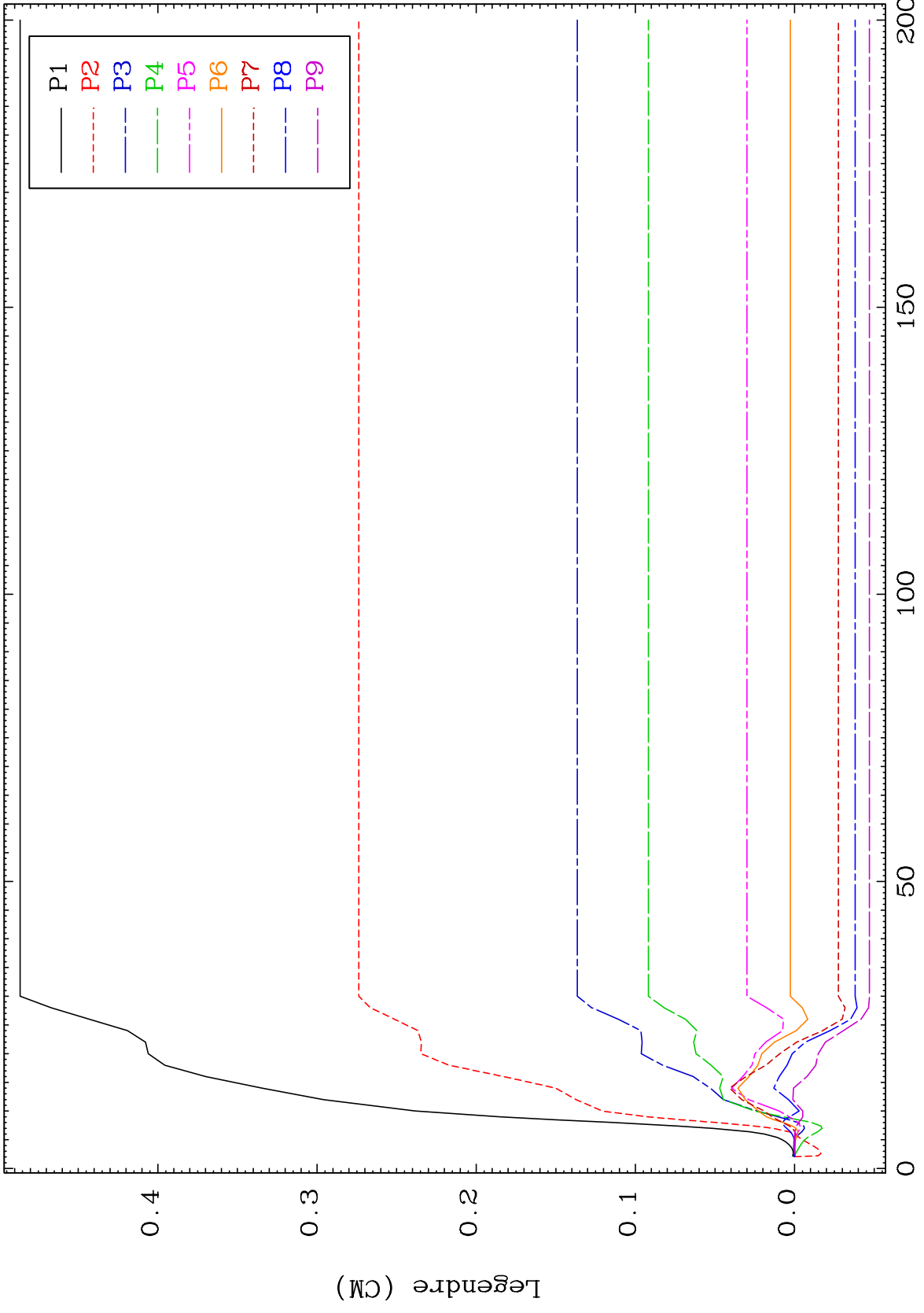
50-Sn-127

MAT 5070 MT= 74 (n,n') Level Legendre Coefficients 50-Sn-127



108 Incident Energy (MeV) 50-Sn-127

MAT 5070 MT= 75 (n,n') Level Legendre Coefficients 50-Sn-127

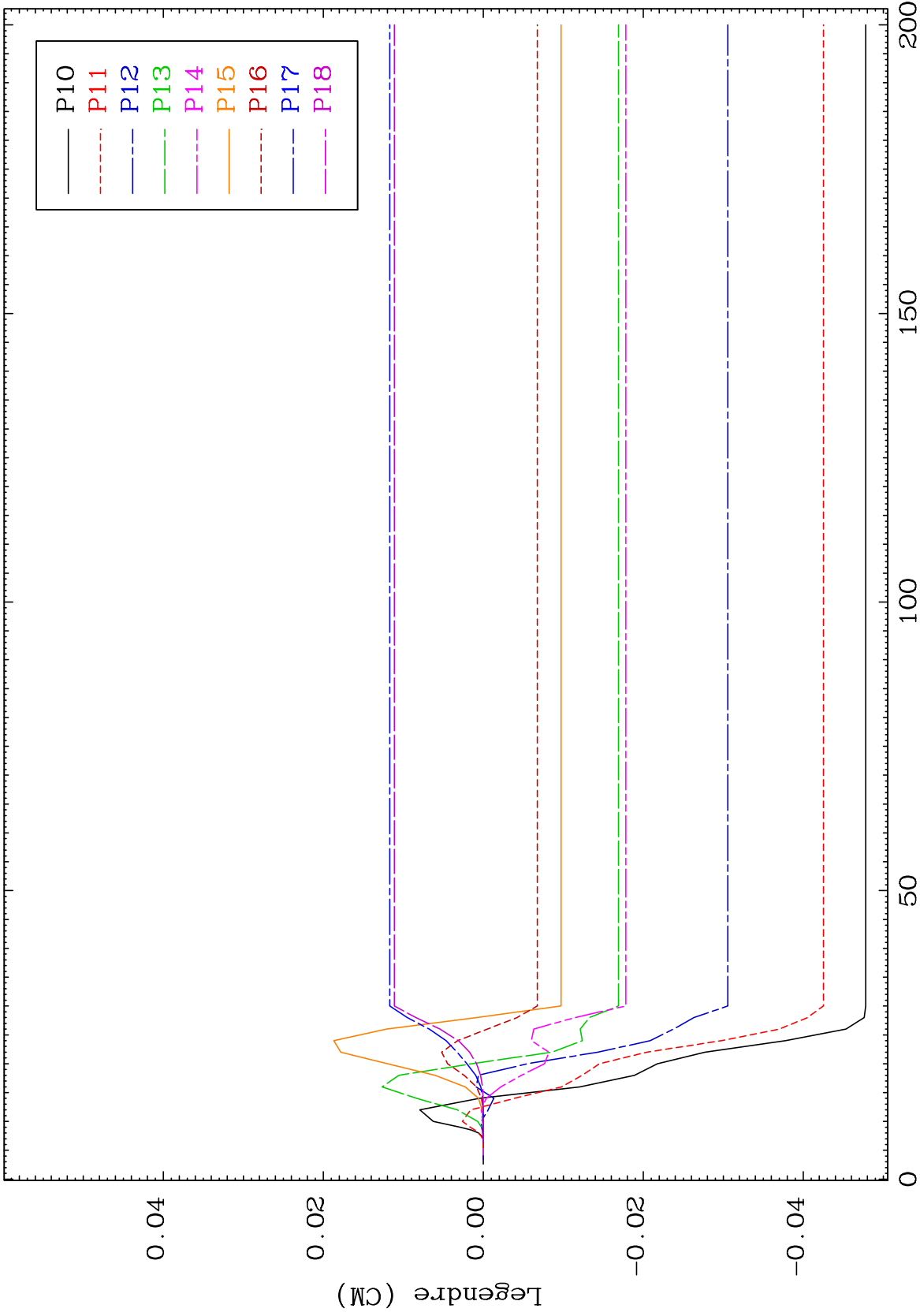


109 50-Sn-127

MAT 5070

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

50-Sn-127

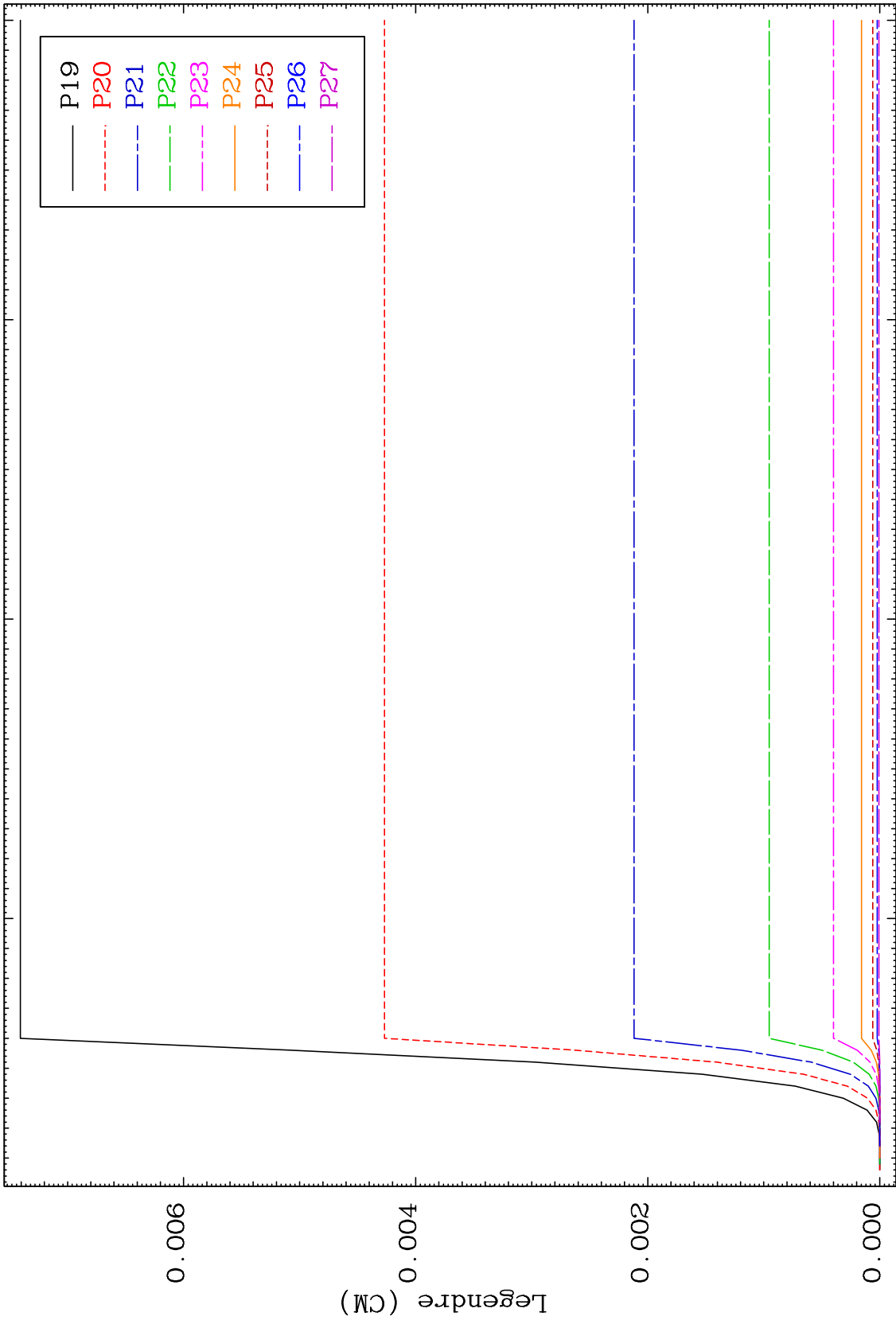


110

Incident Energy (MeV)

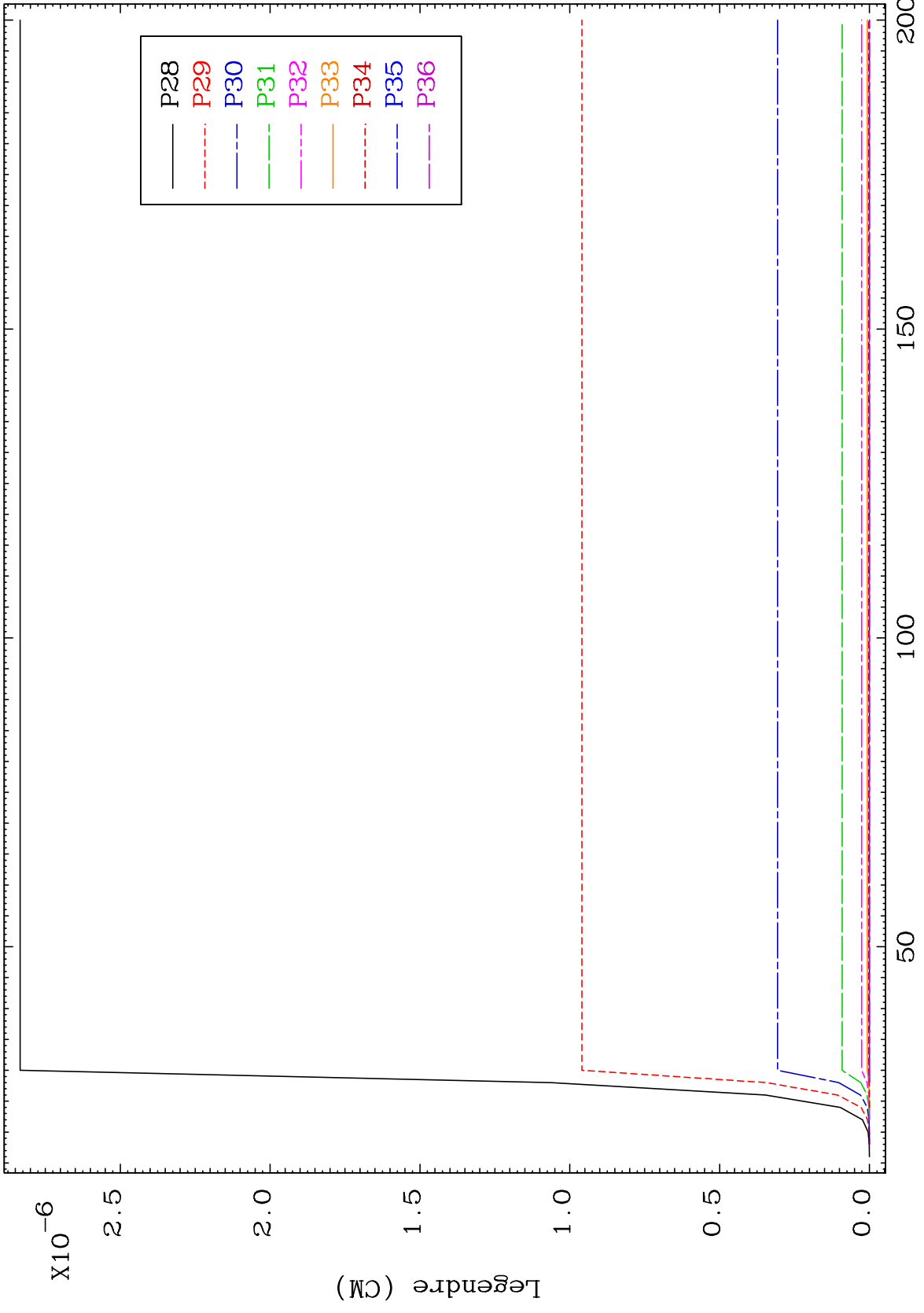
50-Sn-127

MAT 5070 MT= 75 (n,n') Level Legendre Coefficients 50-Sn-127



111 50-Sn-127

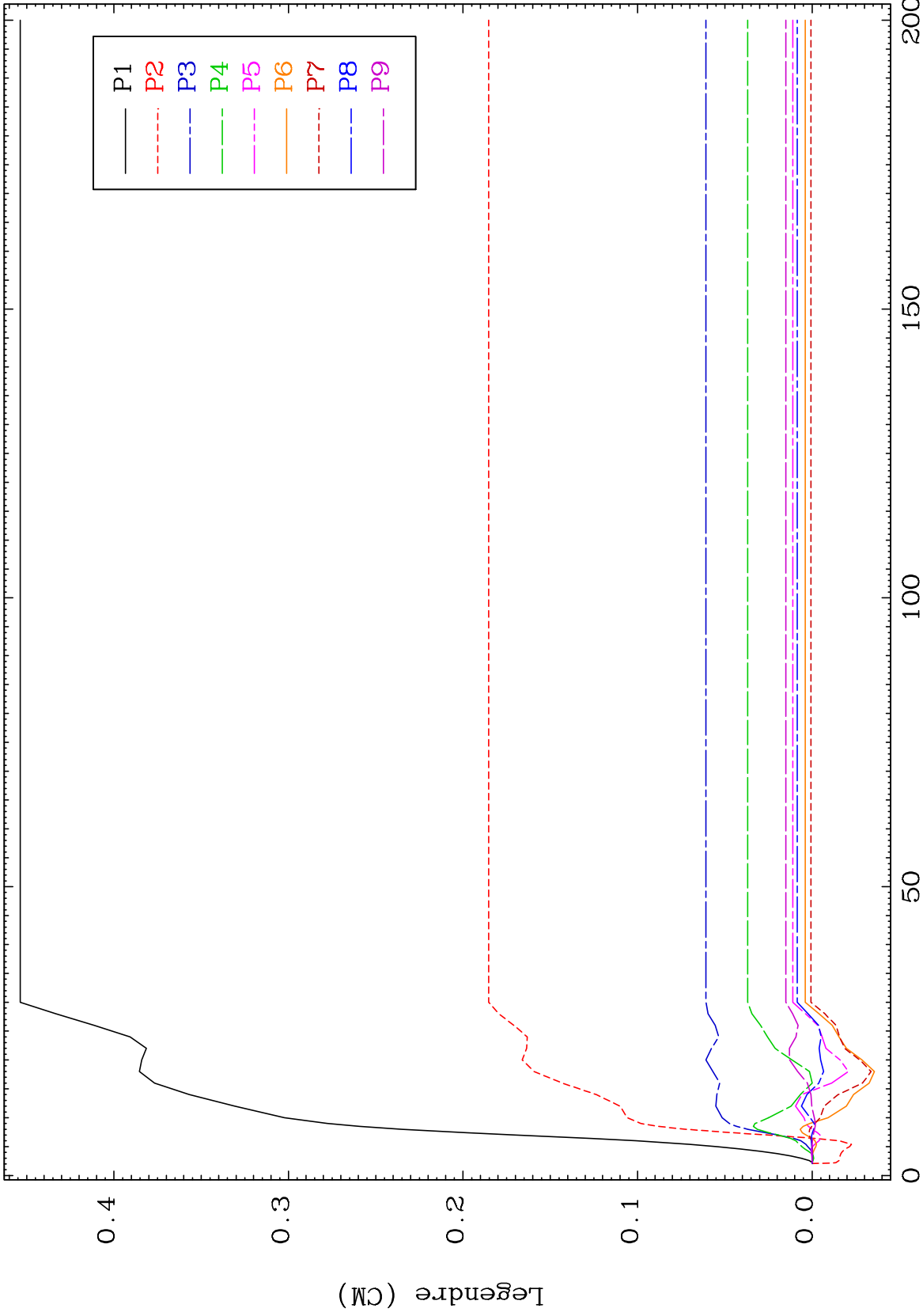
MAT 5070 MT= 75 (n,n') Level Legendre Coefficients 50-Sn-127



MAT 5070

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

50-Sn-127



113

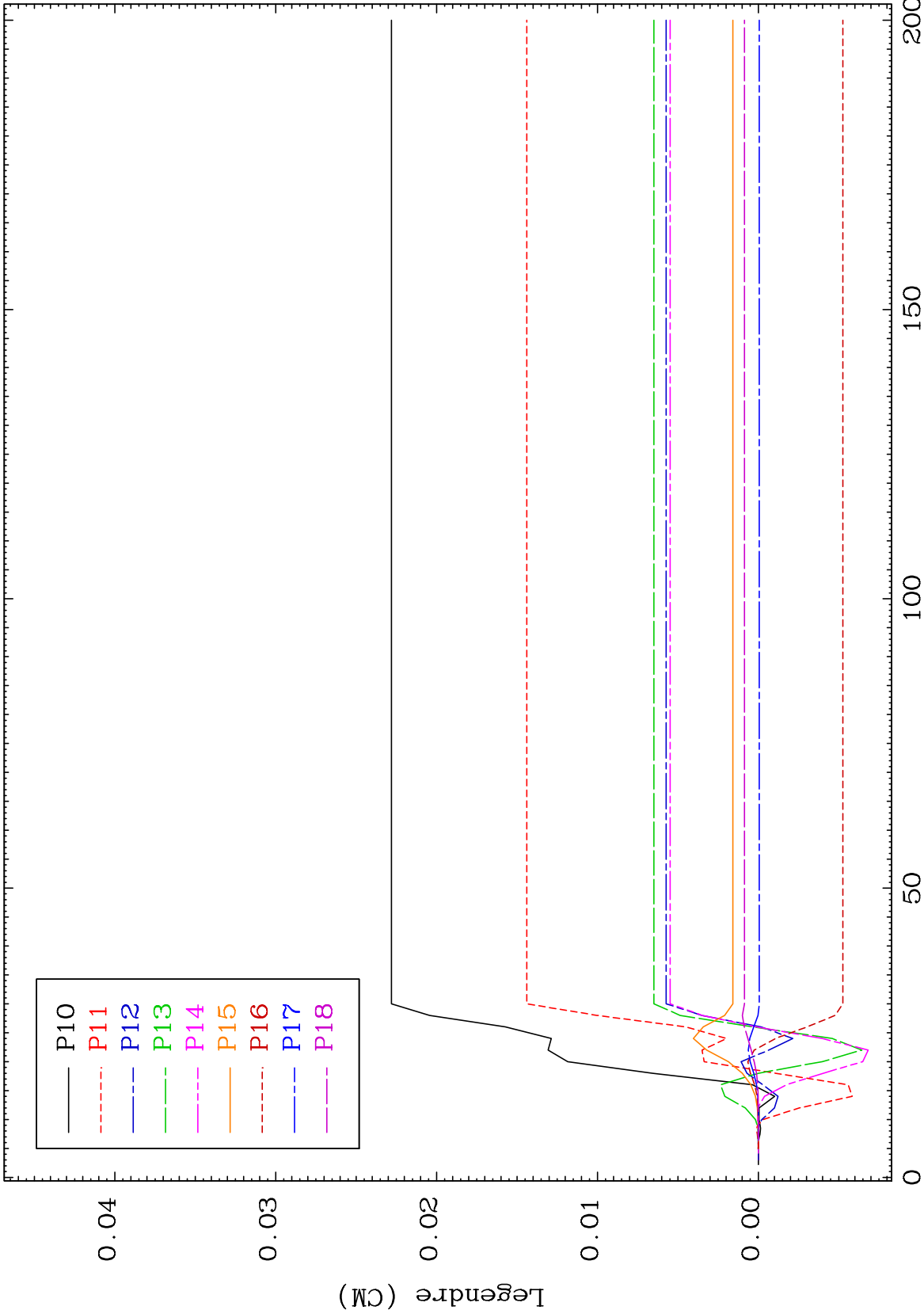
Incident Energy (MeV)

50-Sn-127

MAT 5070

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

50-Sn-127

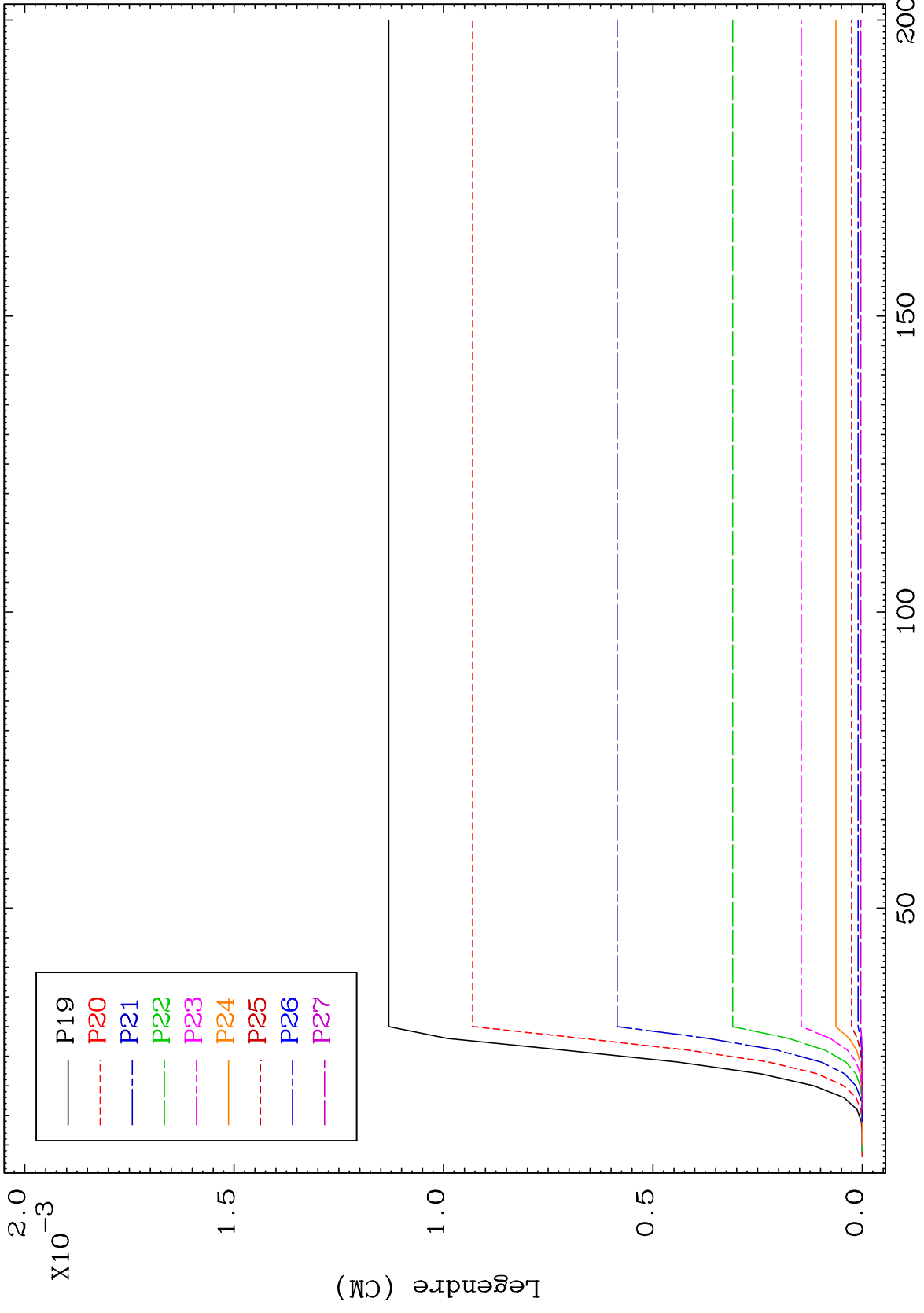


114

Incident Energy (MeV)

50-Sn-127

MAT 5070 MT= 76 (n,n') Level Legendre Coefficients 50-Sn-127

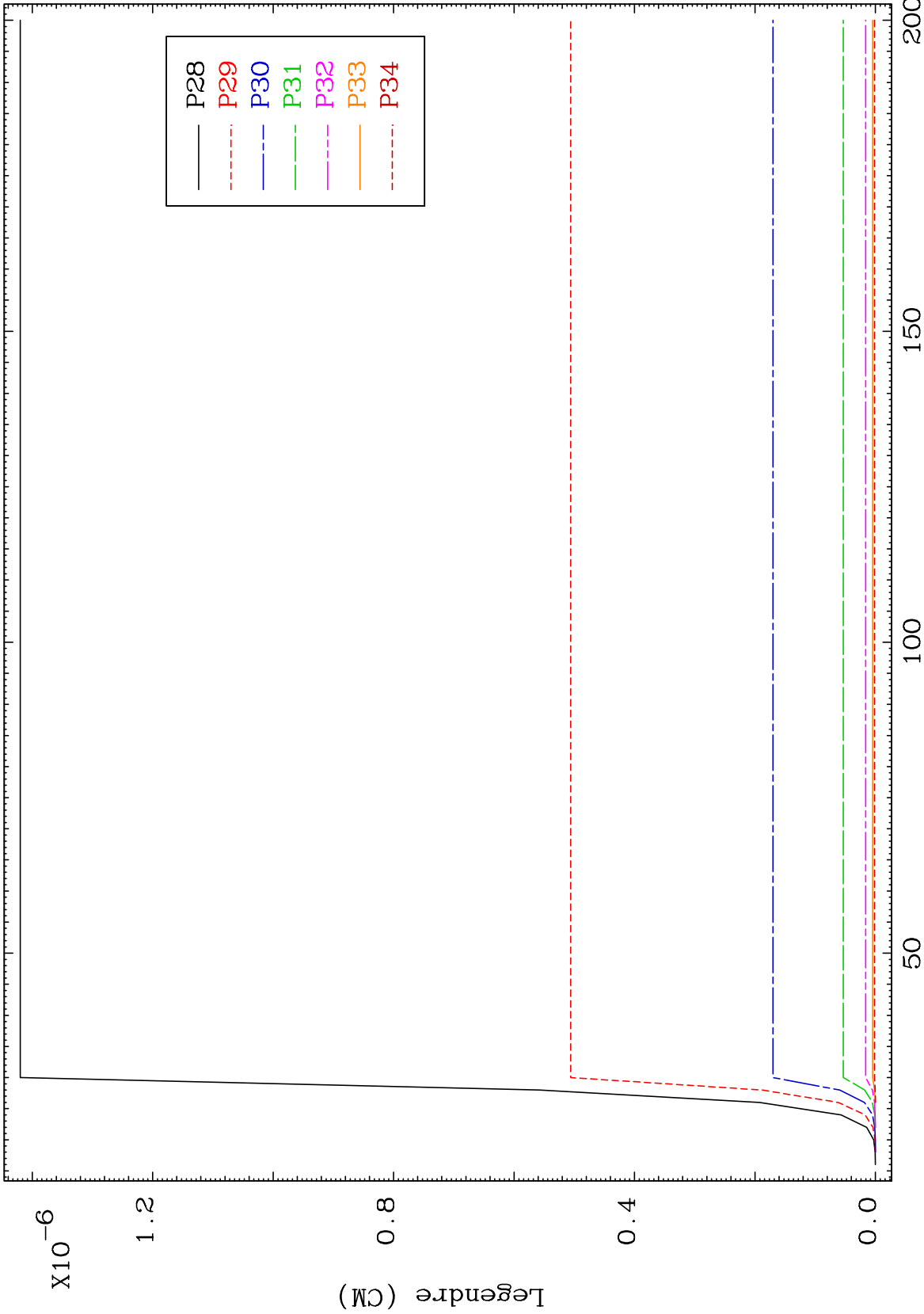


115 Incident Energy (MeV) 50-Sn-127

MAT 5070

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

50-Sn-127

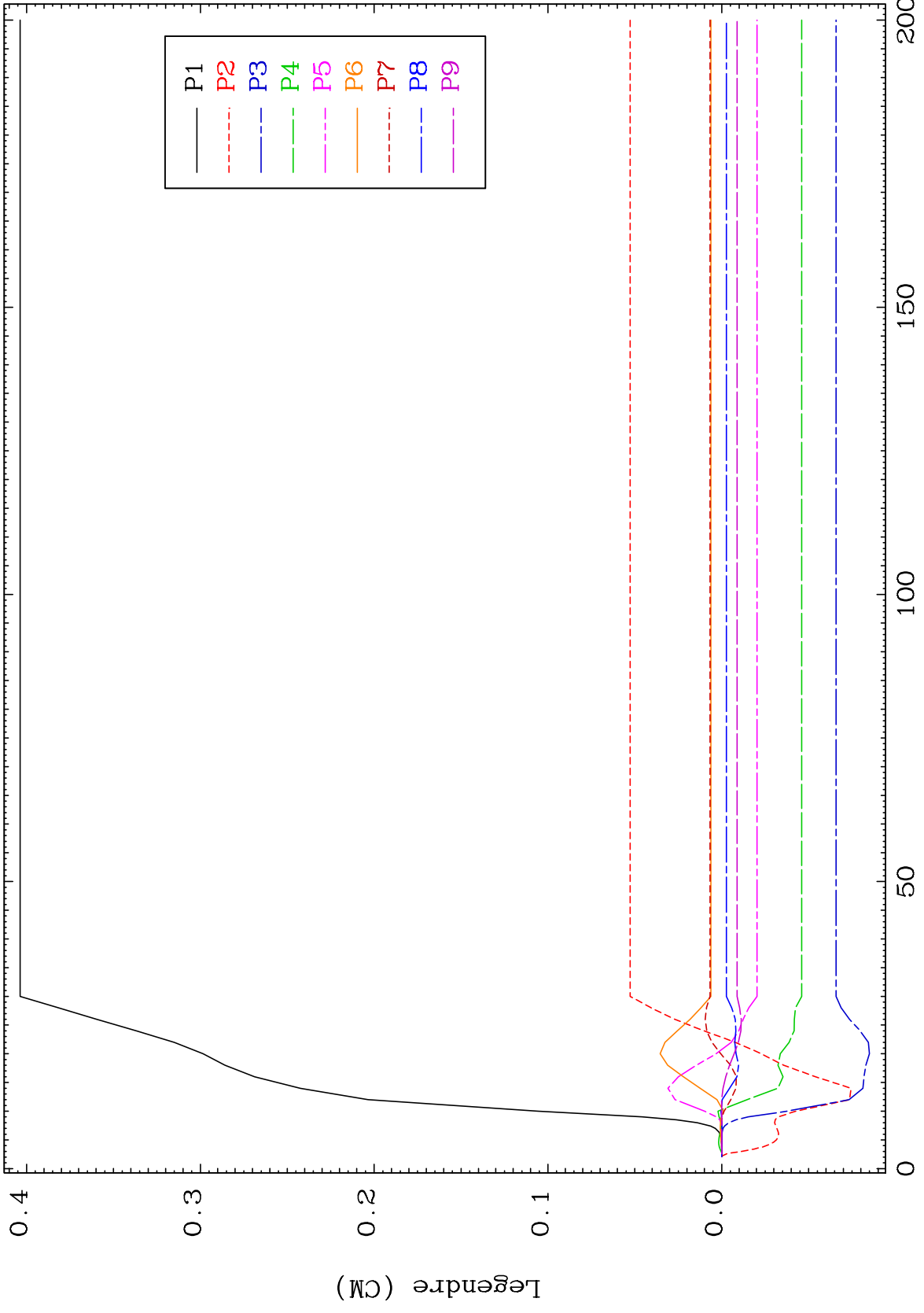


116

Incident Energy (MeV)

50-Sn-127

MAT 5070 MT= 77 (n,n') Level Legendre Coefficients 50-Sn-127

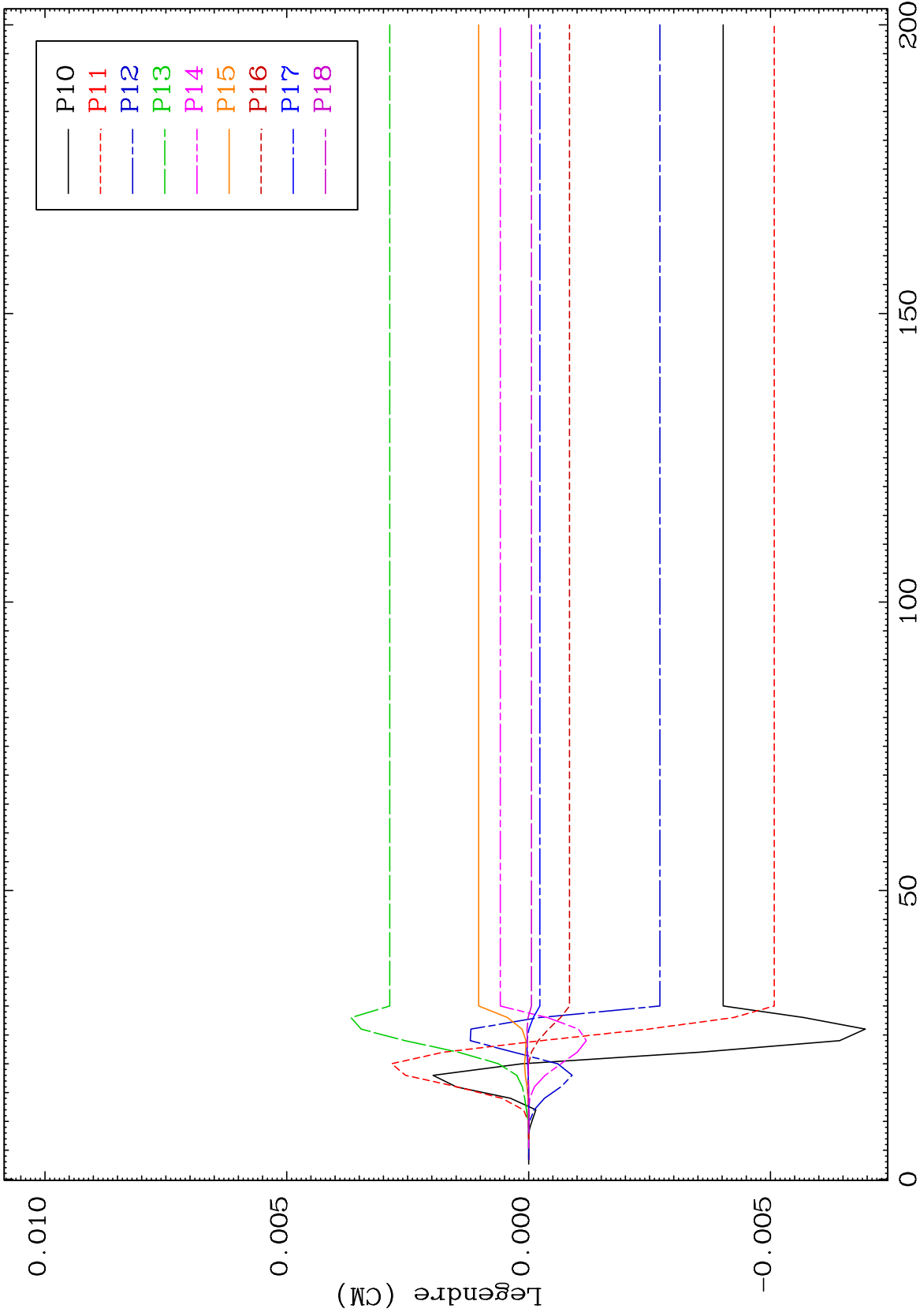


117 50-Sn-127

MAT 5070

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

50-Sn-127

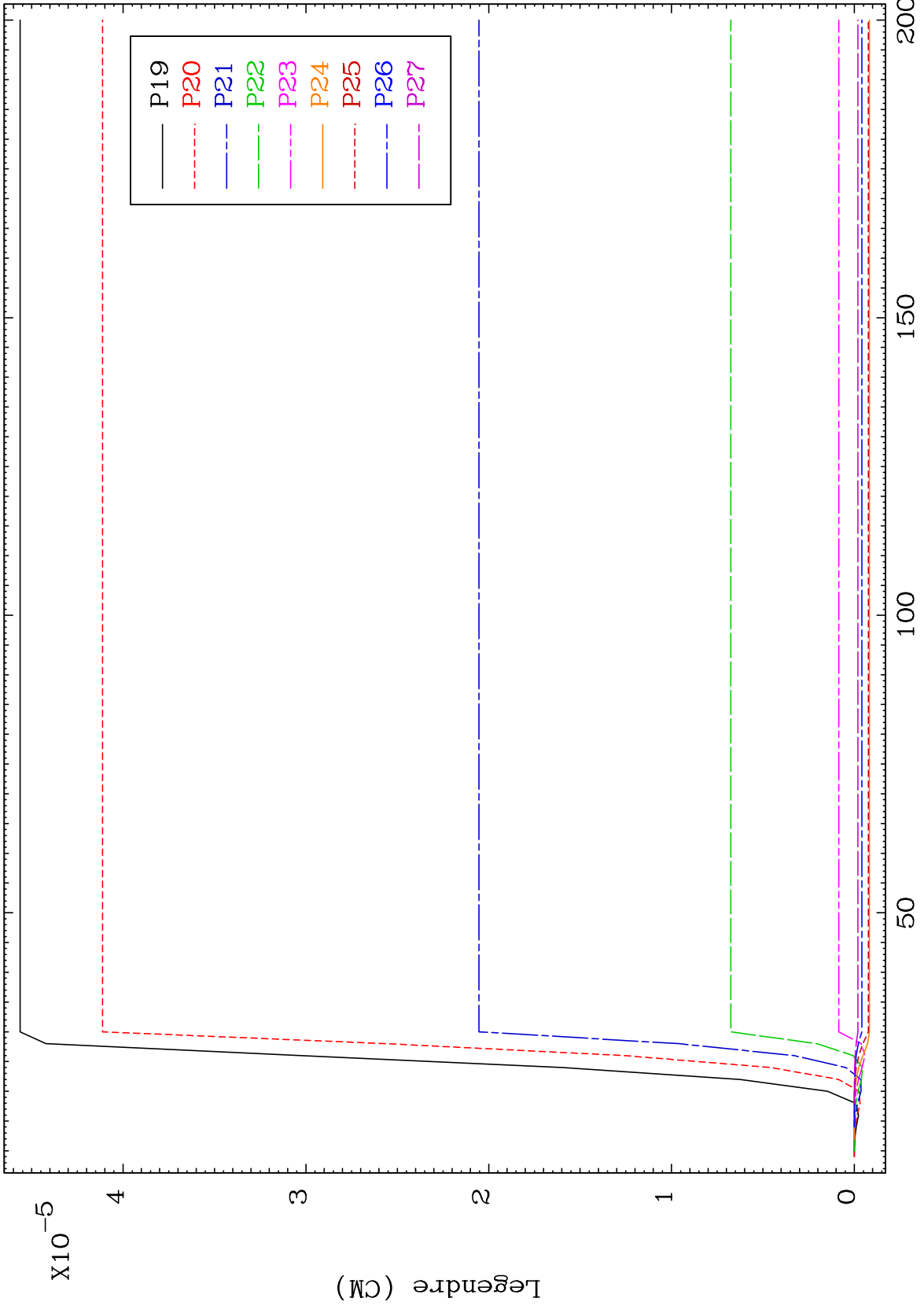


118

Incident Energy (MeV)

50-Sn-127

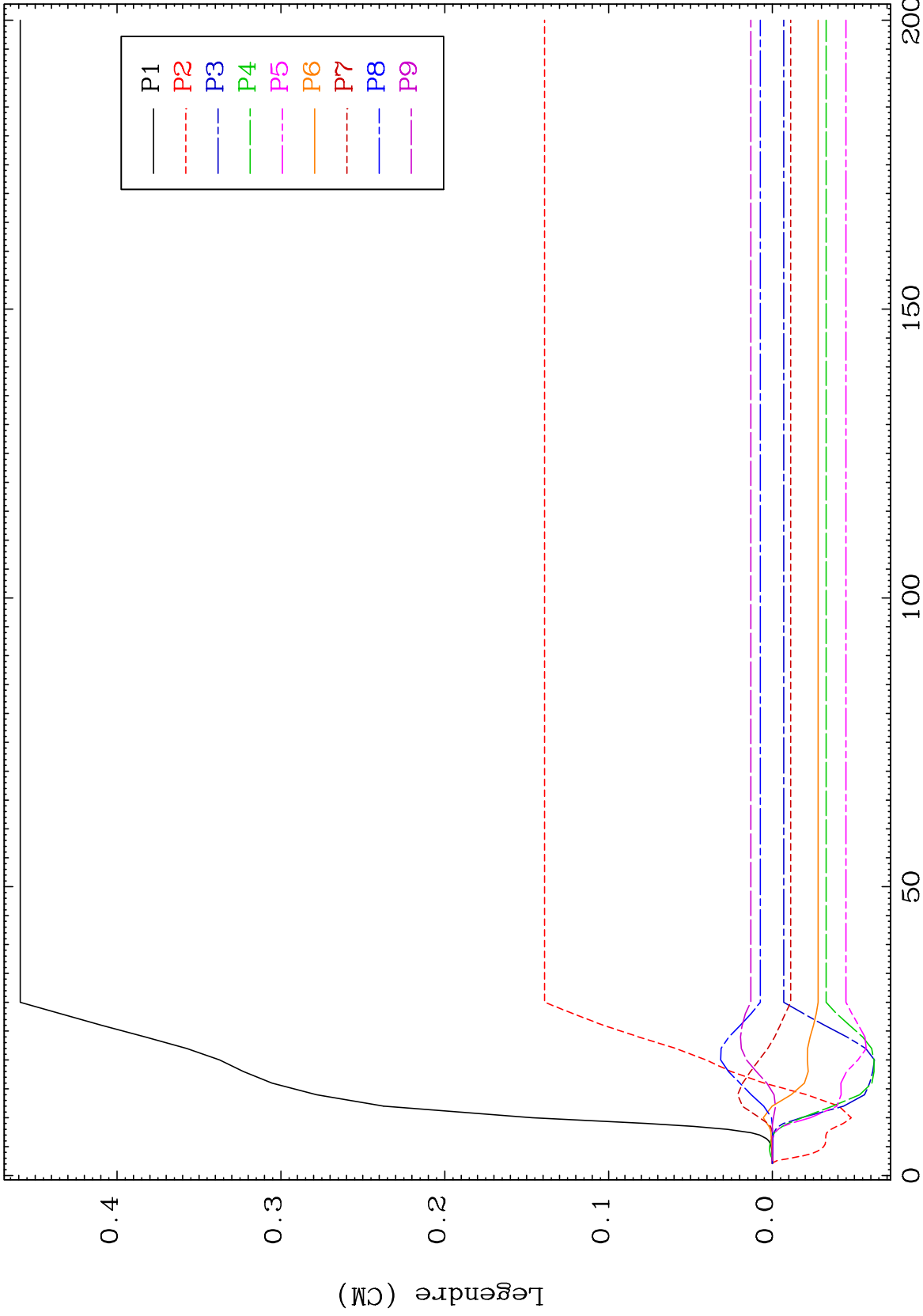
MAT 5070 MT= 77 (n,n') Level Legendre Coefficients 50-Sn-127



MAT 5070

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

50-Sn-127



121

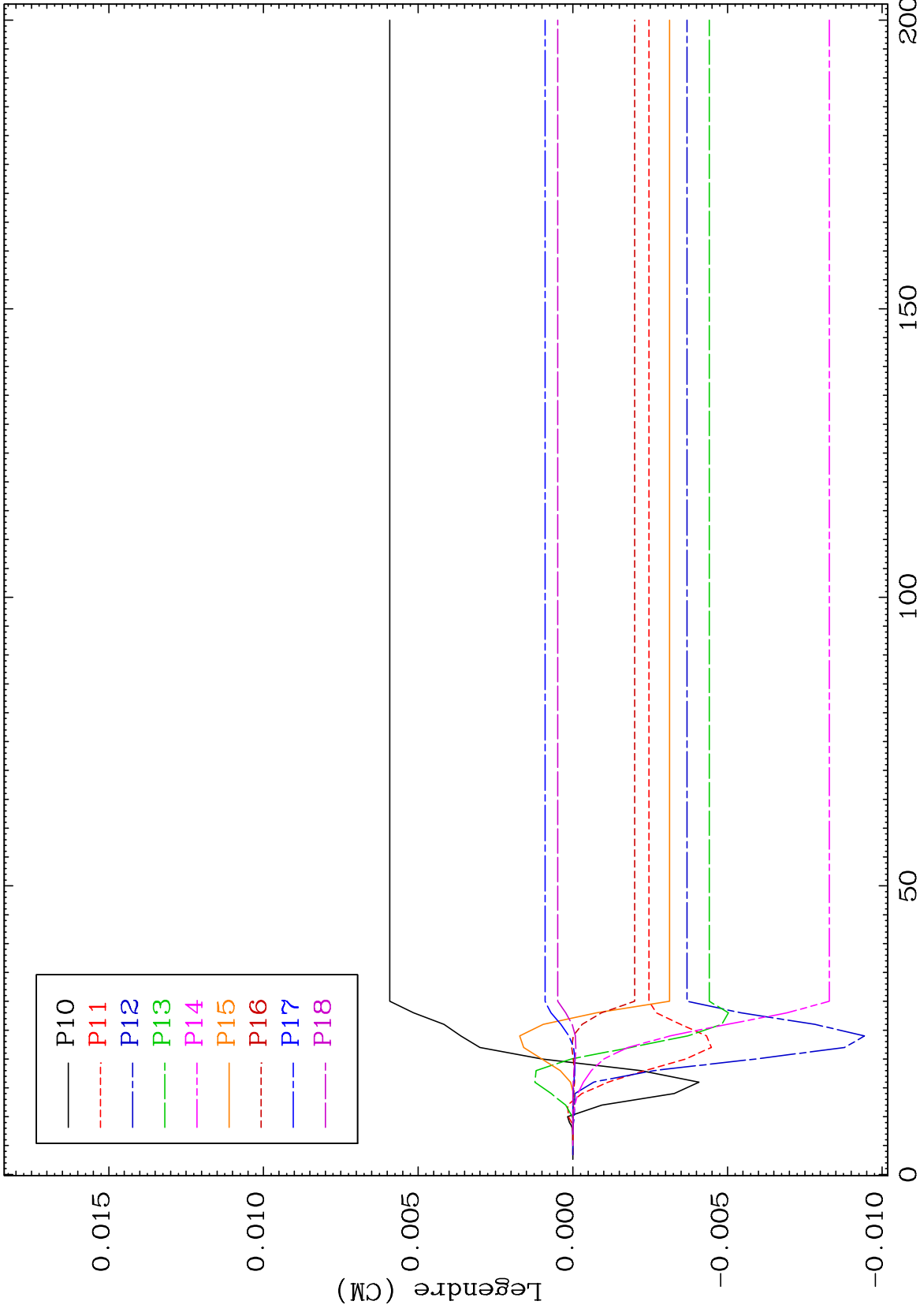
Incident Energy (MeV)

50-Sn-127

MAT 5070

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

50-Sn-127



122

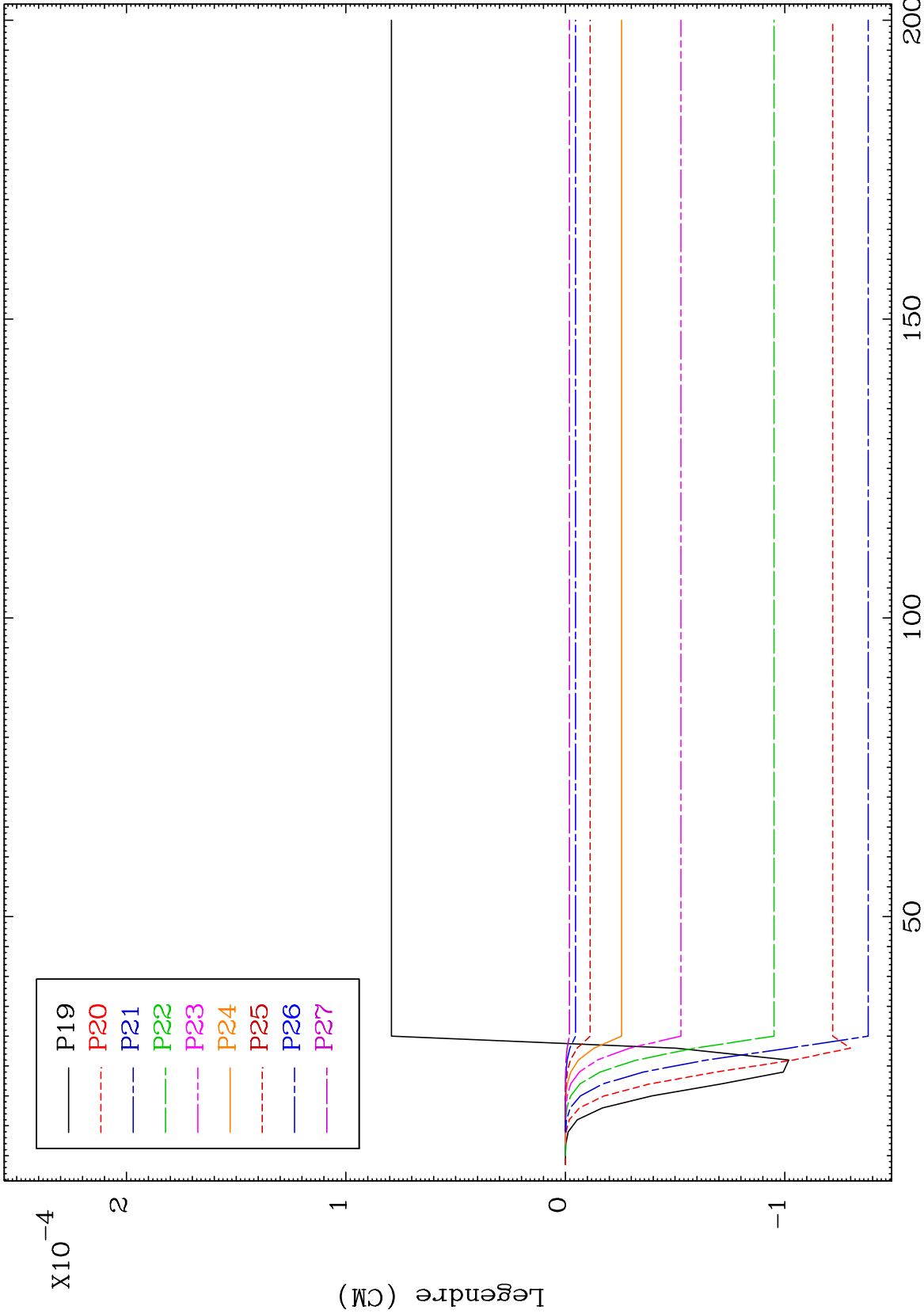
Incident Energy (MeV)

50-Sn-127

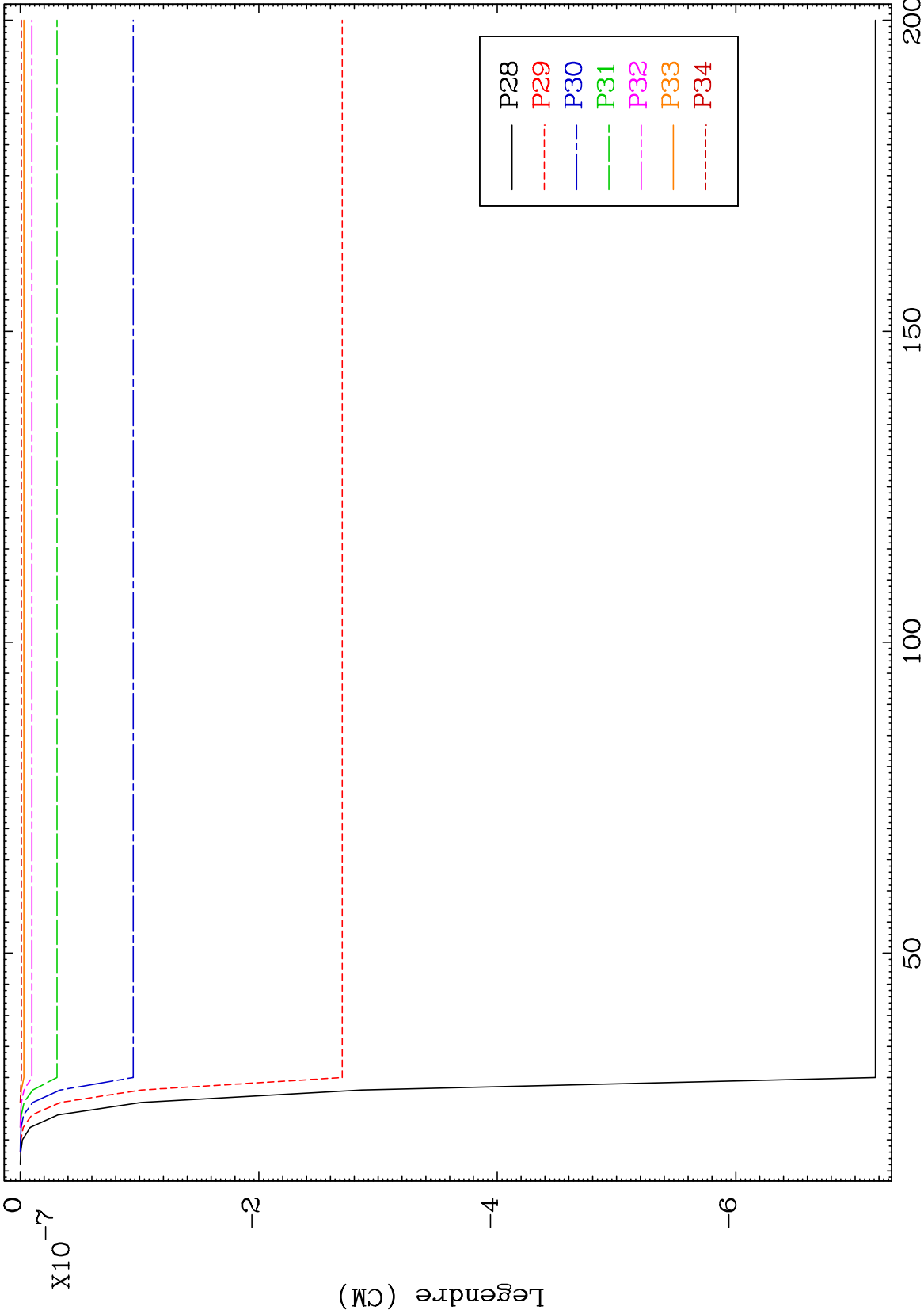
MAT 5070

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

50-Sn-127



MAT 5070 MT= 78 (n,n') Level Legendre Coefficients 50-Sn-127

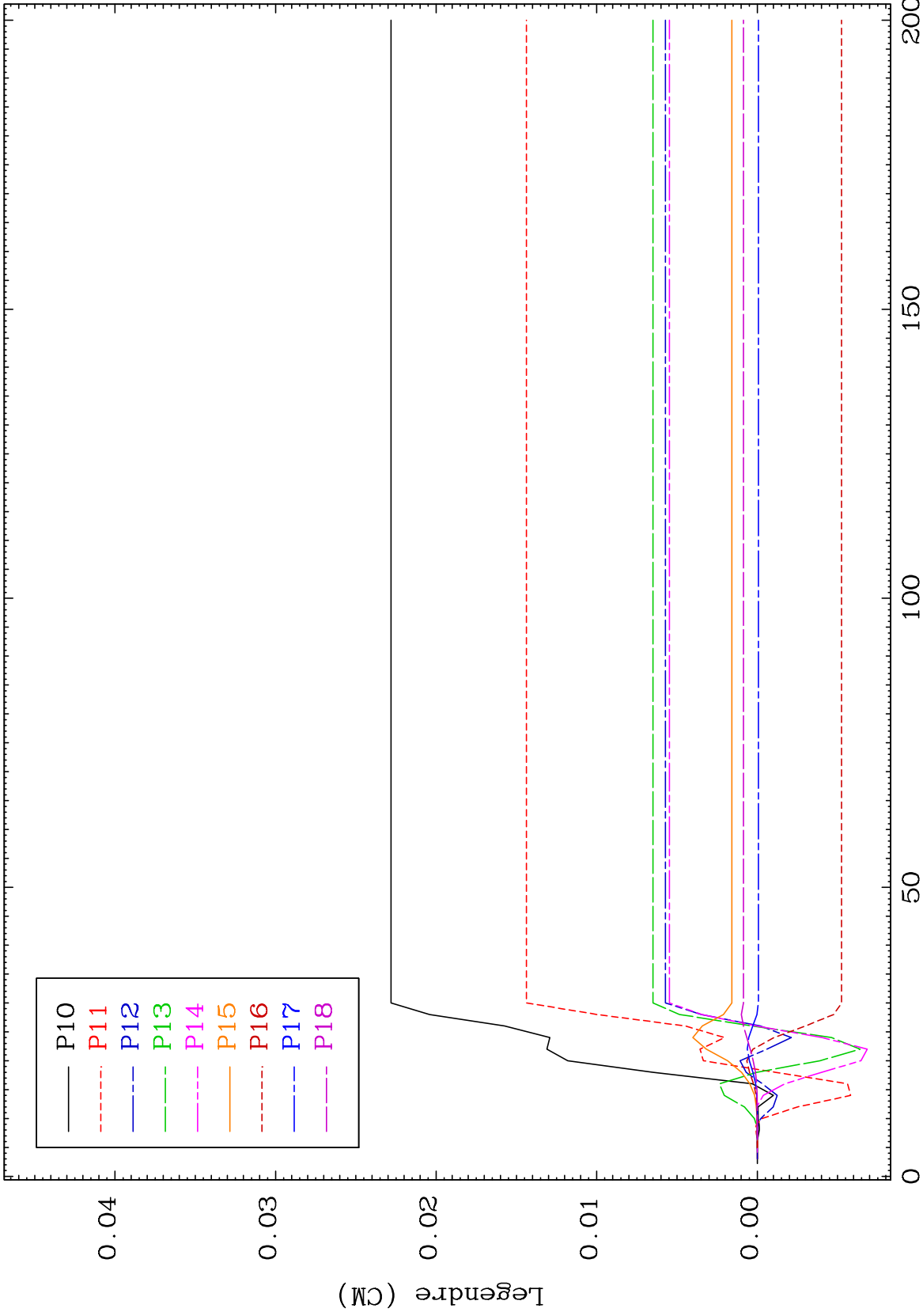


124 50-Sn-127

MAT 5070

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

50-Sn-127

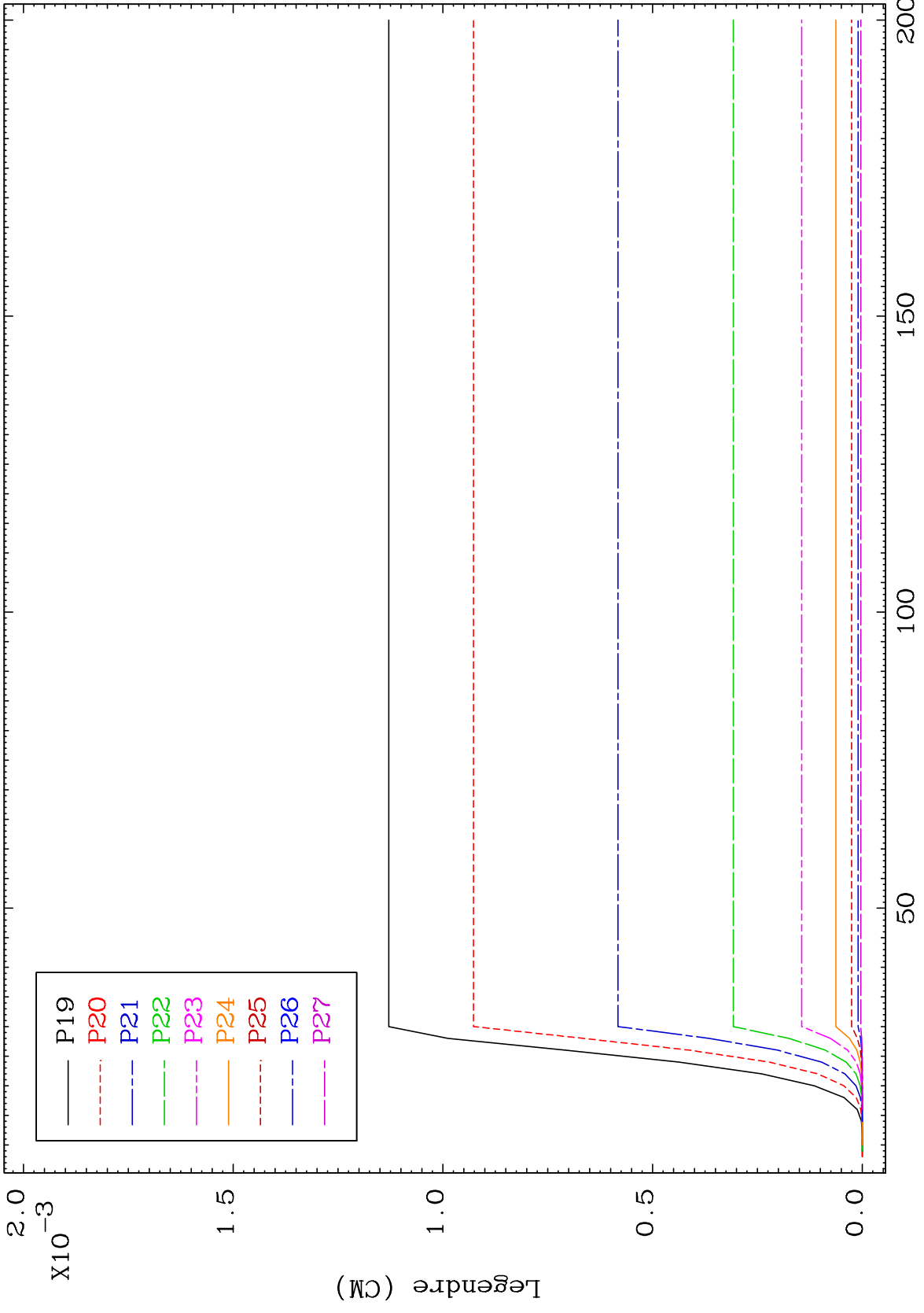


126

Incident Energy (MeV)

50-Sn-127

MAT 5070 MT= 79 (n,n') Level Legendre Coefficients 50-Sn-127

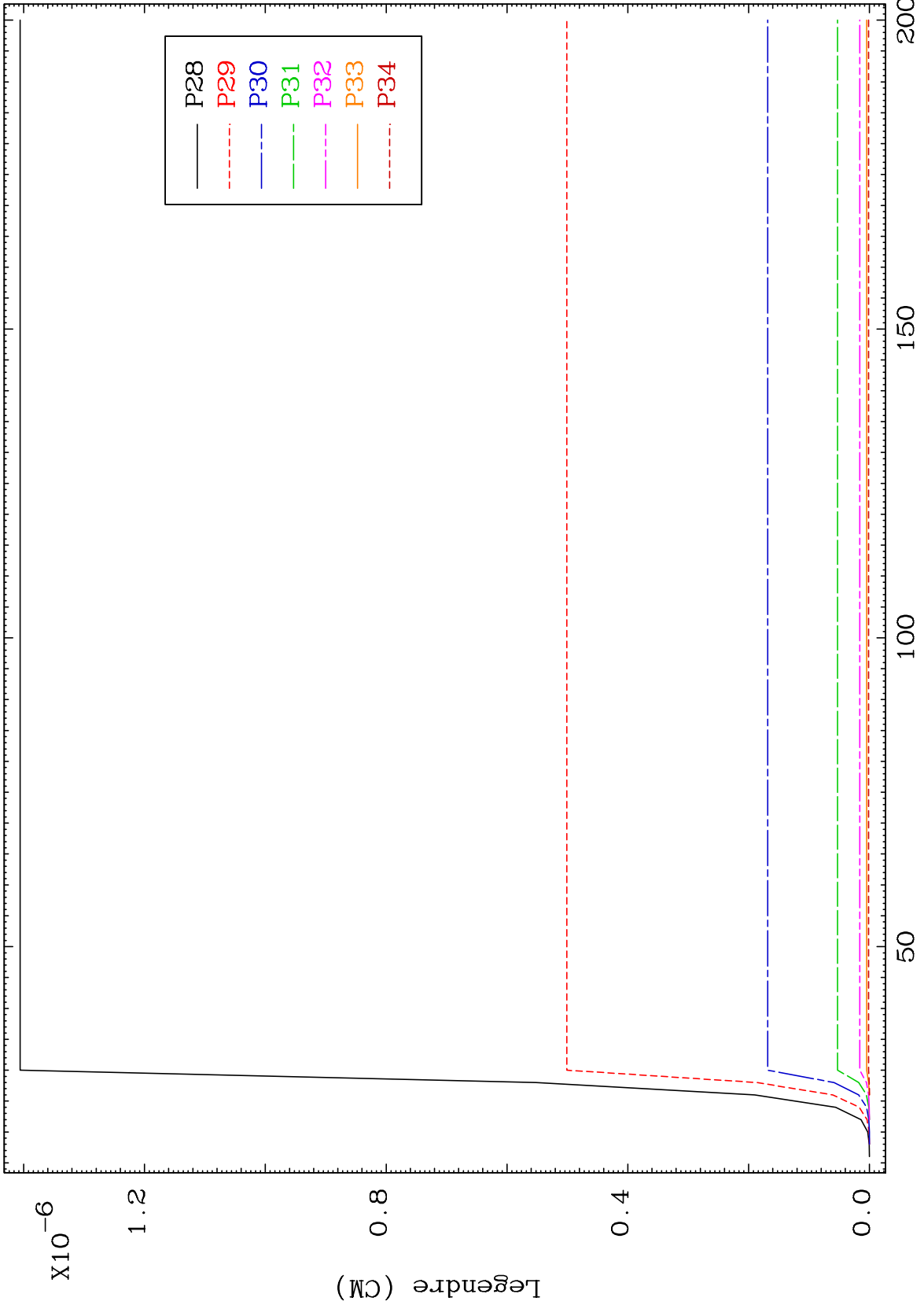


127 50-Sn-127

MAT 5070

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

50-Sn-127

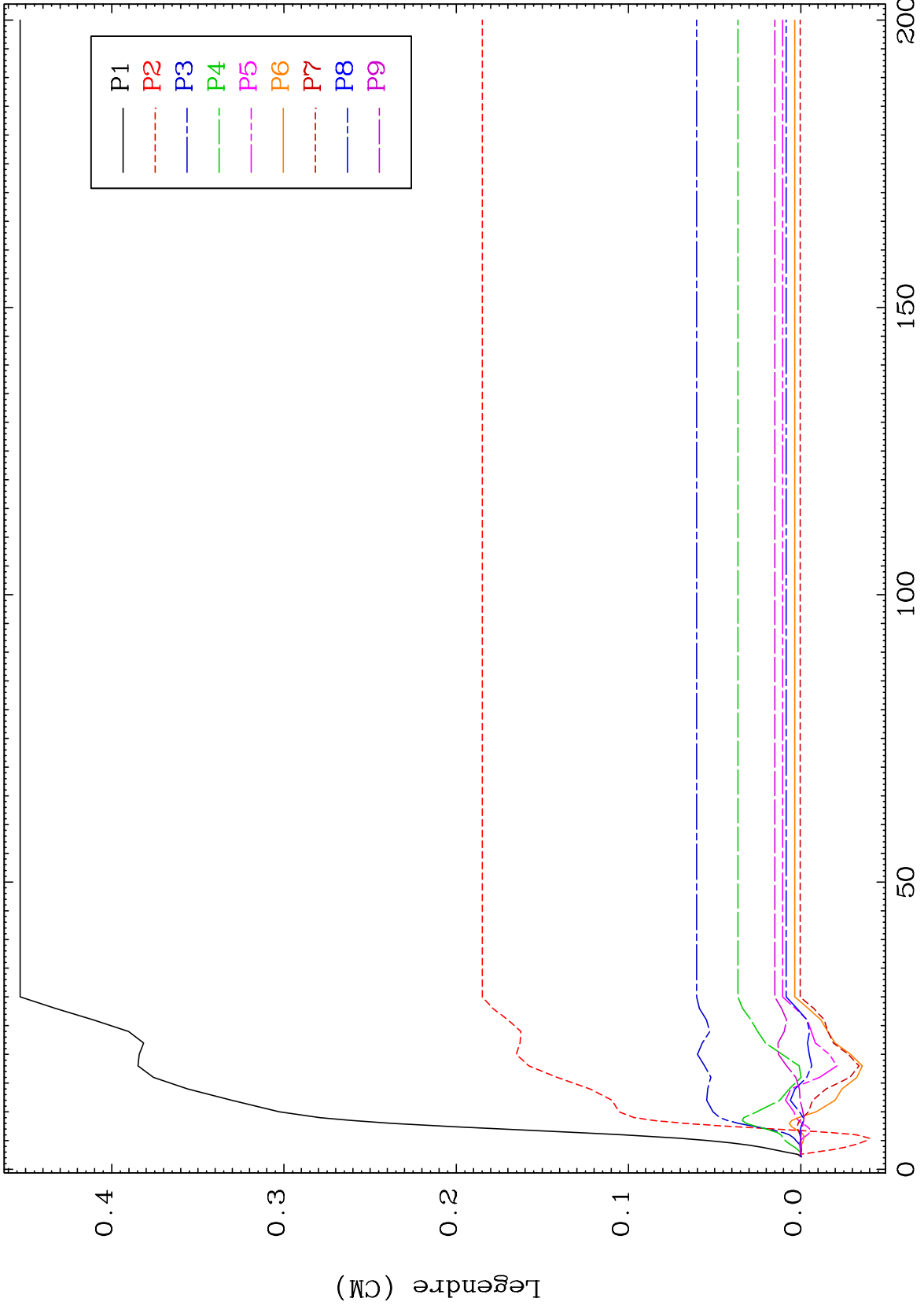


128

Incident Energy (MeV)

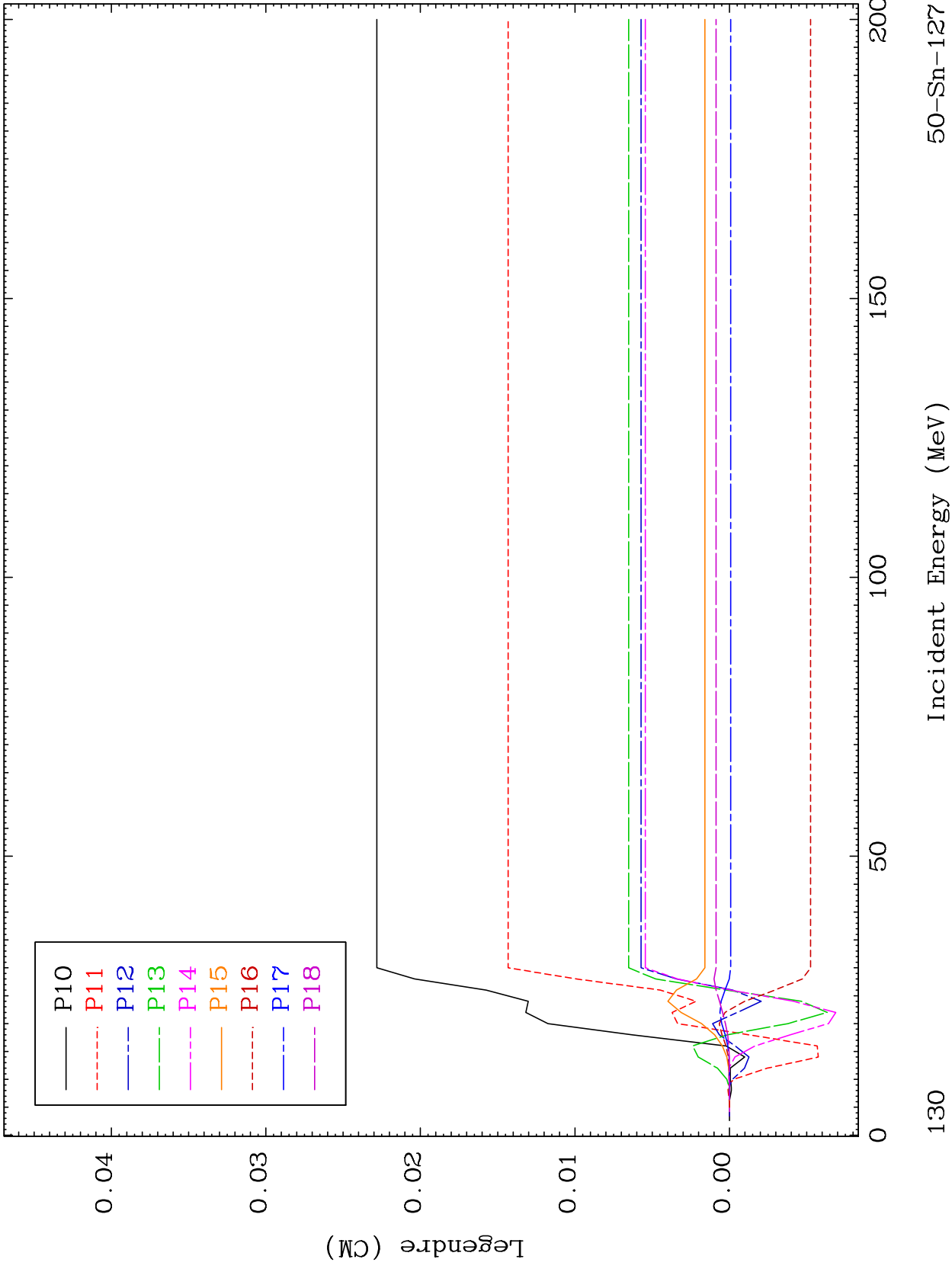
50-Sn-127

MAT 5070 MT= 80 (n,n') Level Legendre Coefficients 50-Sn-127



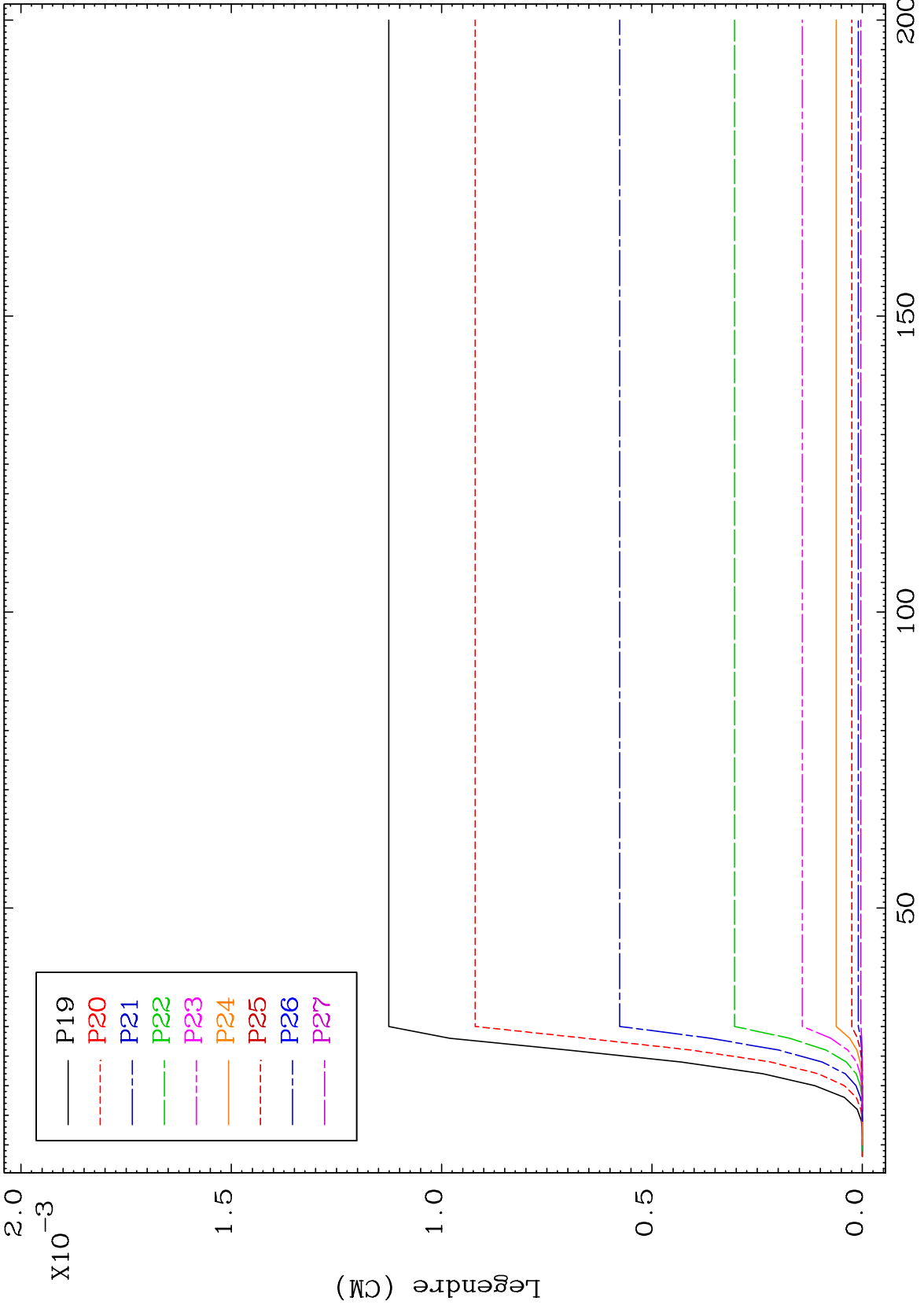
129 50-Sn-127

MAT 5070 MT= 80 (n,n') Level Legendre Coefficients 50-Sn-127



MAT 5070 MT= 80 (n,n') Level Legendre Coefficients

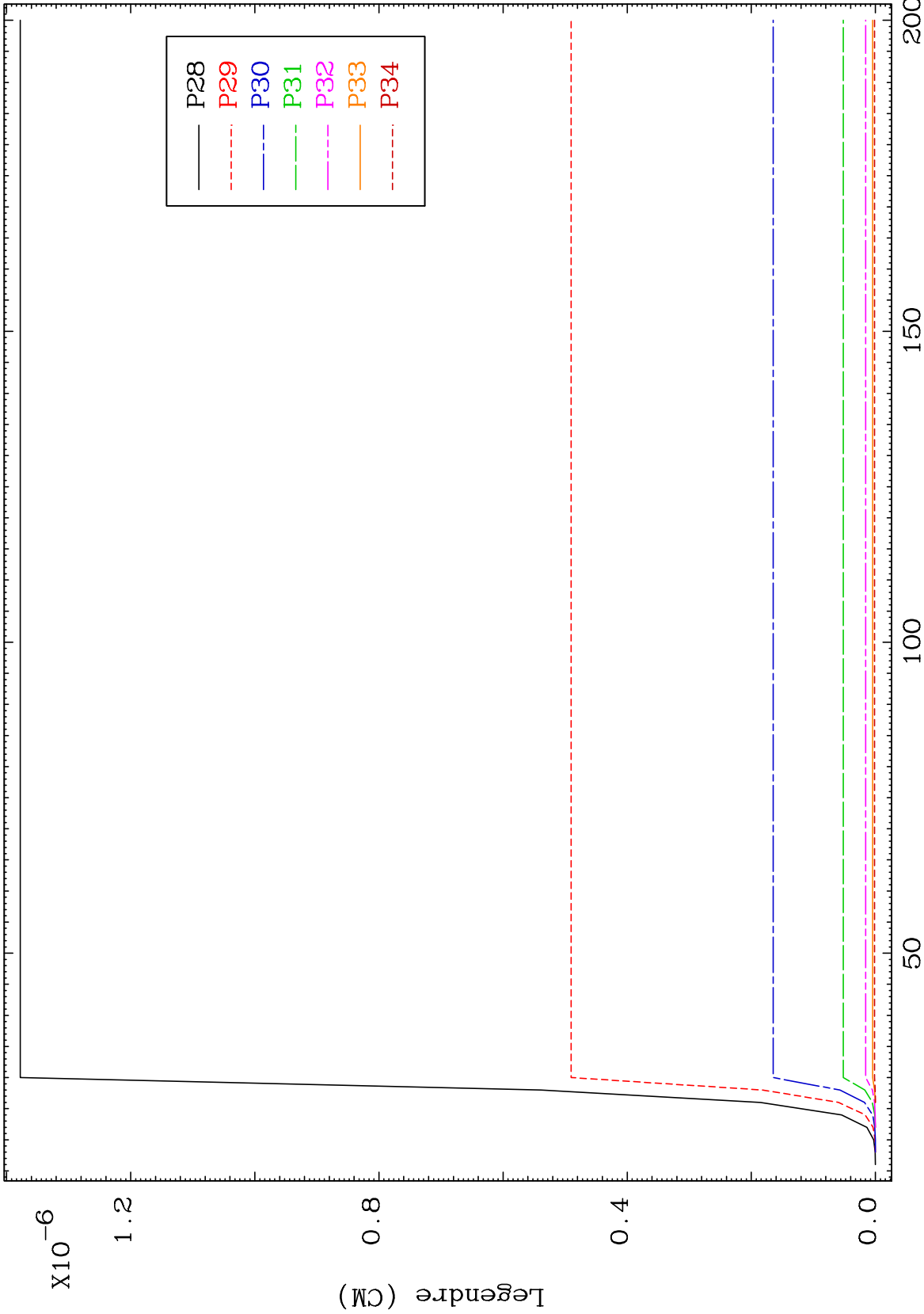
50-Sn-127



MAT 5070

MT= 80 (n,n') Level
Legendre Coefficients

50-Sn-127



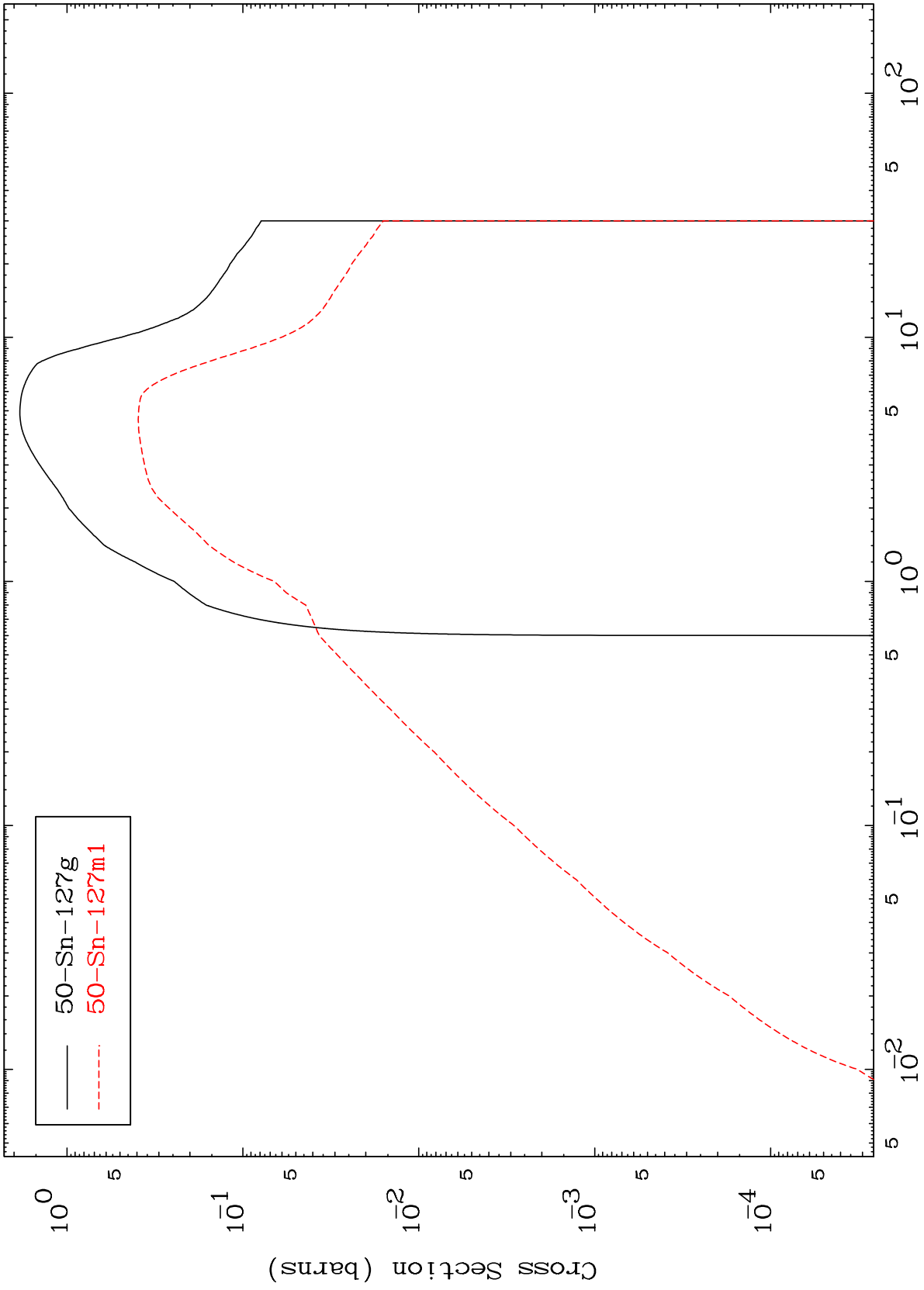
132

50-Sn-127

MAT 5070

Inelastic Radionuclide Production Cross Section

50-Sn-127



133

Incident Energy (MeV)

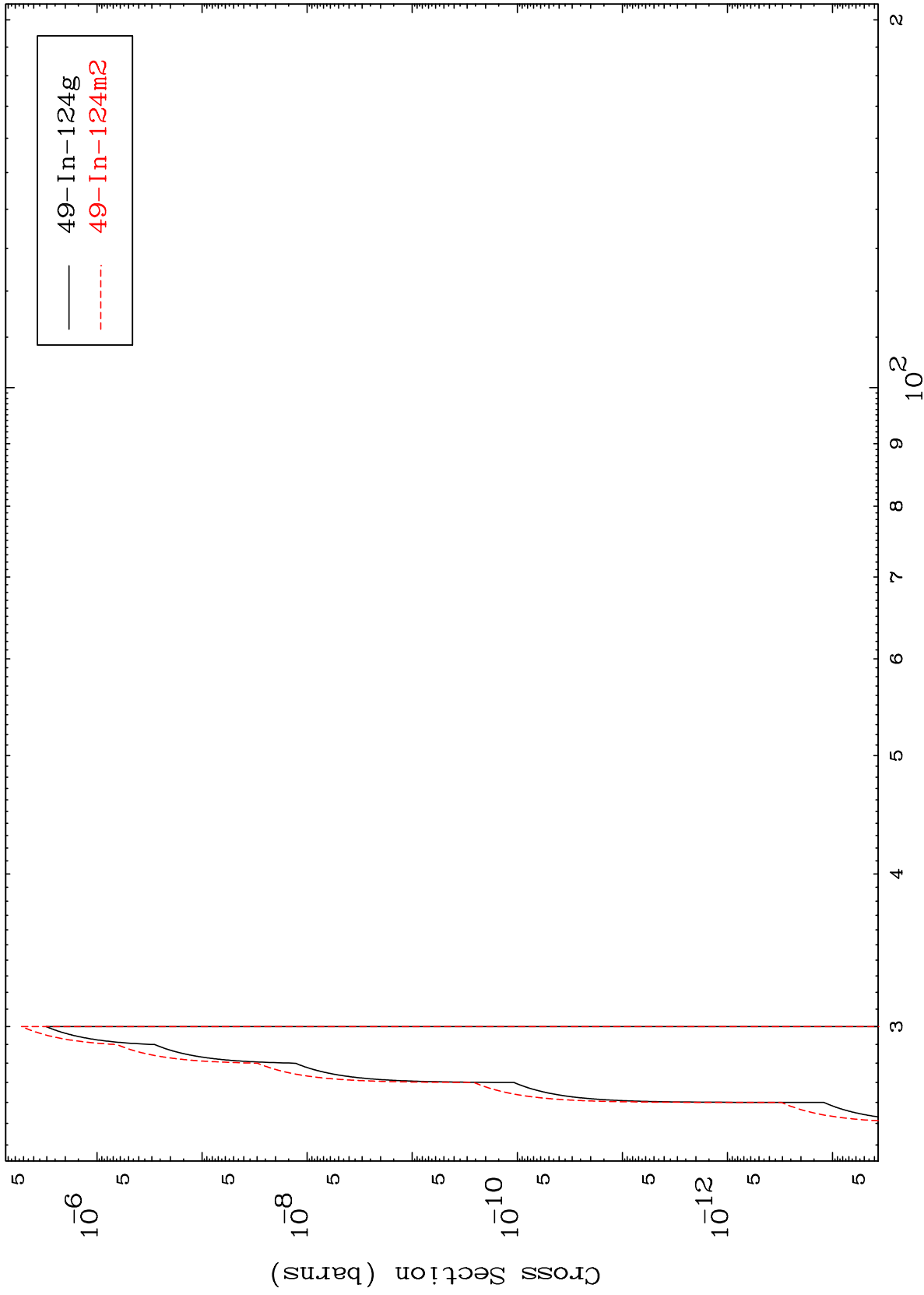
50-Sn-127

MAT 5070

(n,2n) d

50-Sn-127

Radionuclide Production Cross Section



134

Incident Energy (MeV)

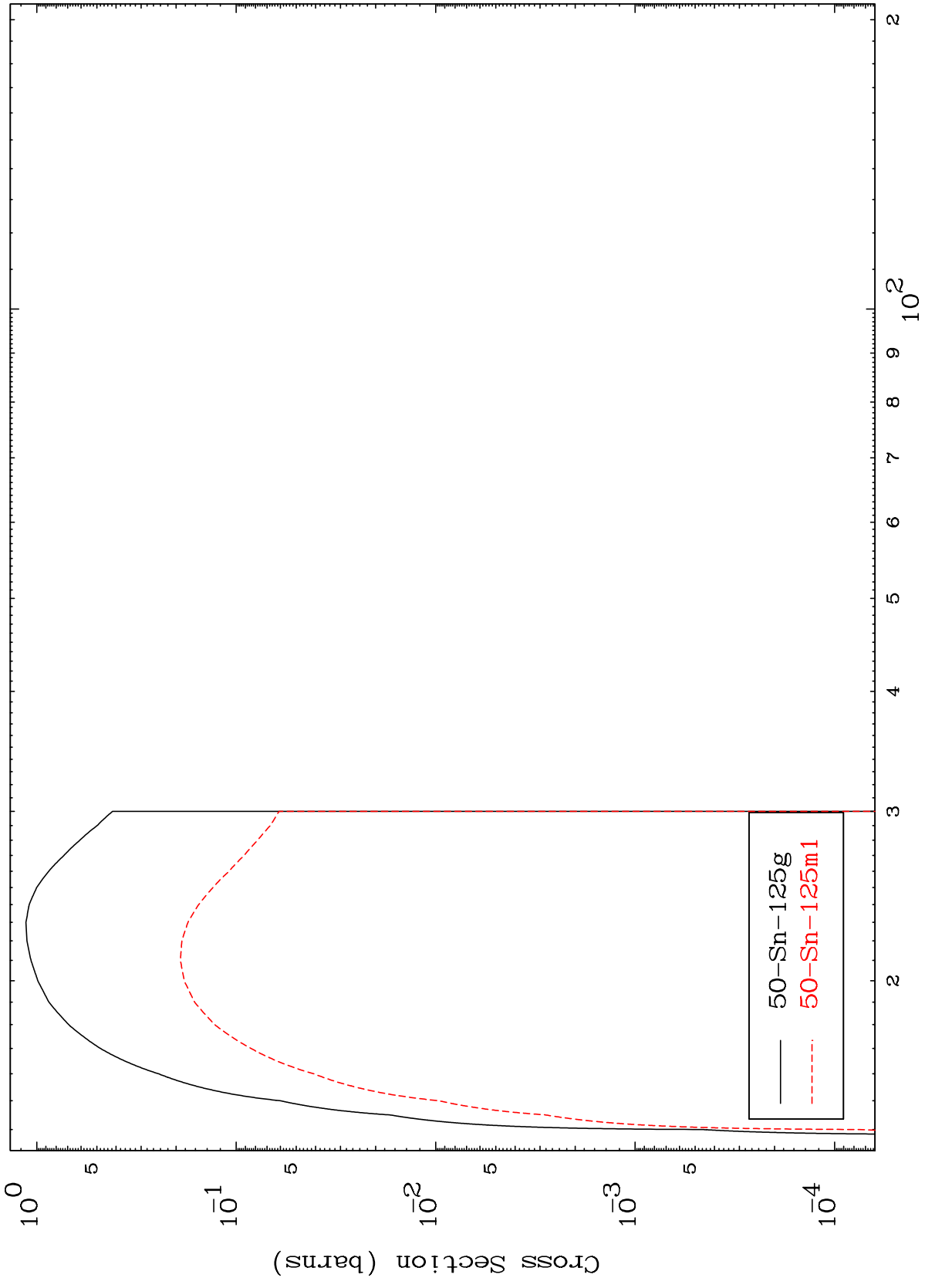
50-Sn-127

MAT 5070

(n,3n)

50-Sn-127

Radionuclide Production Cross Section



135

Incident Energy (MeV)

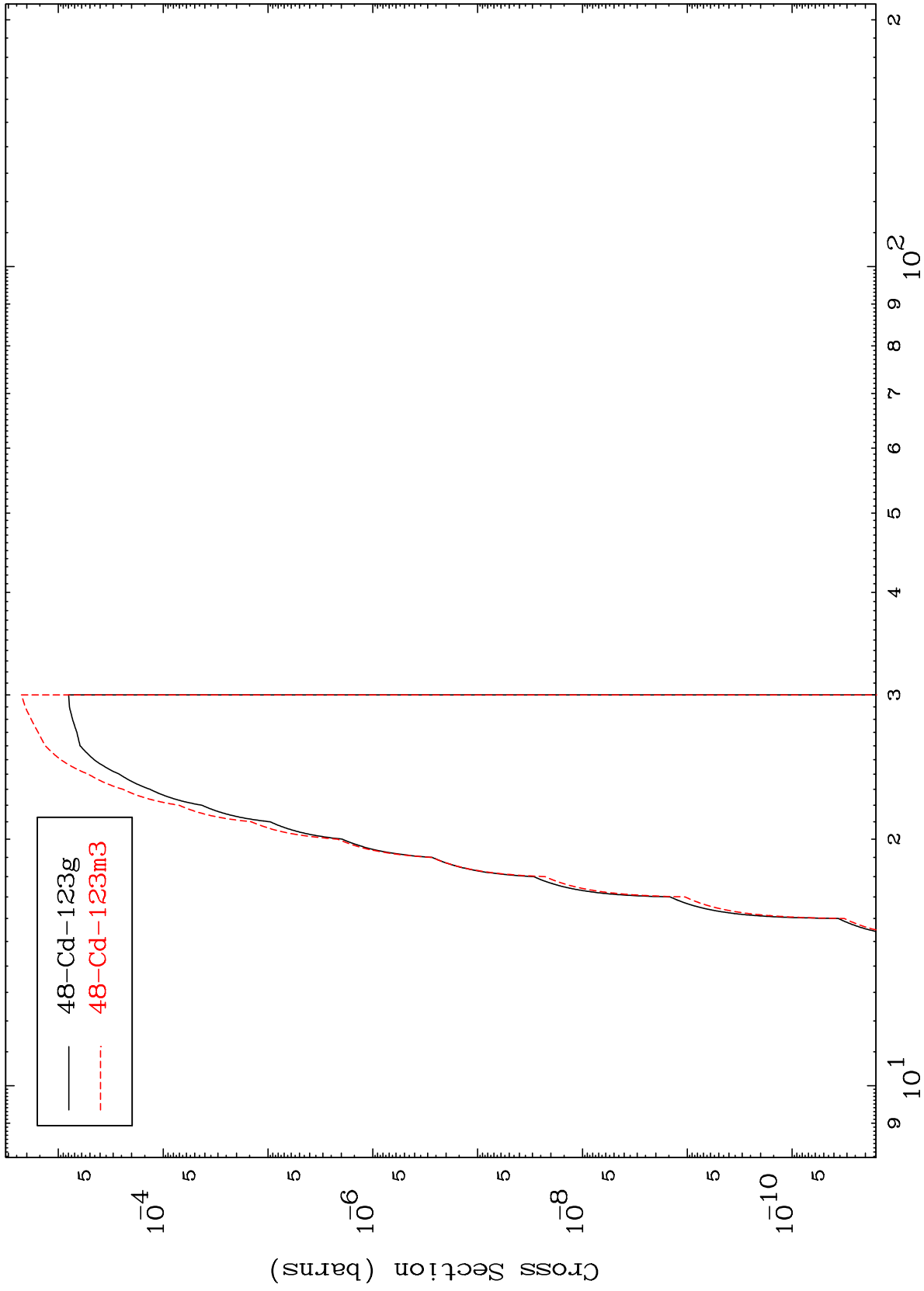
50-Sn-127

MAT 5070

(n,n') α

50-Sn-127

Radionuclide Production Cross Section



136

Incident Energy (MeV)

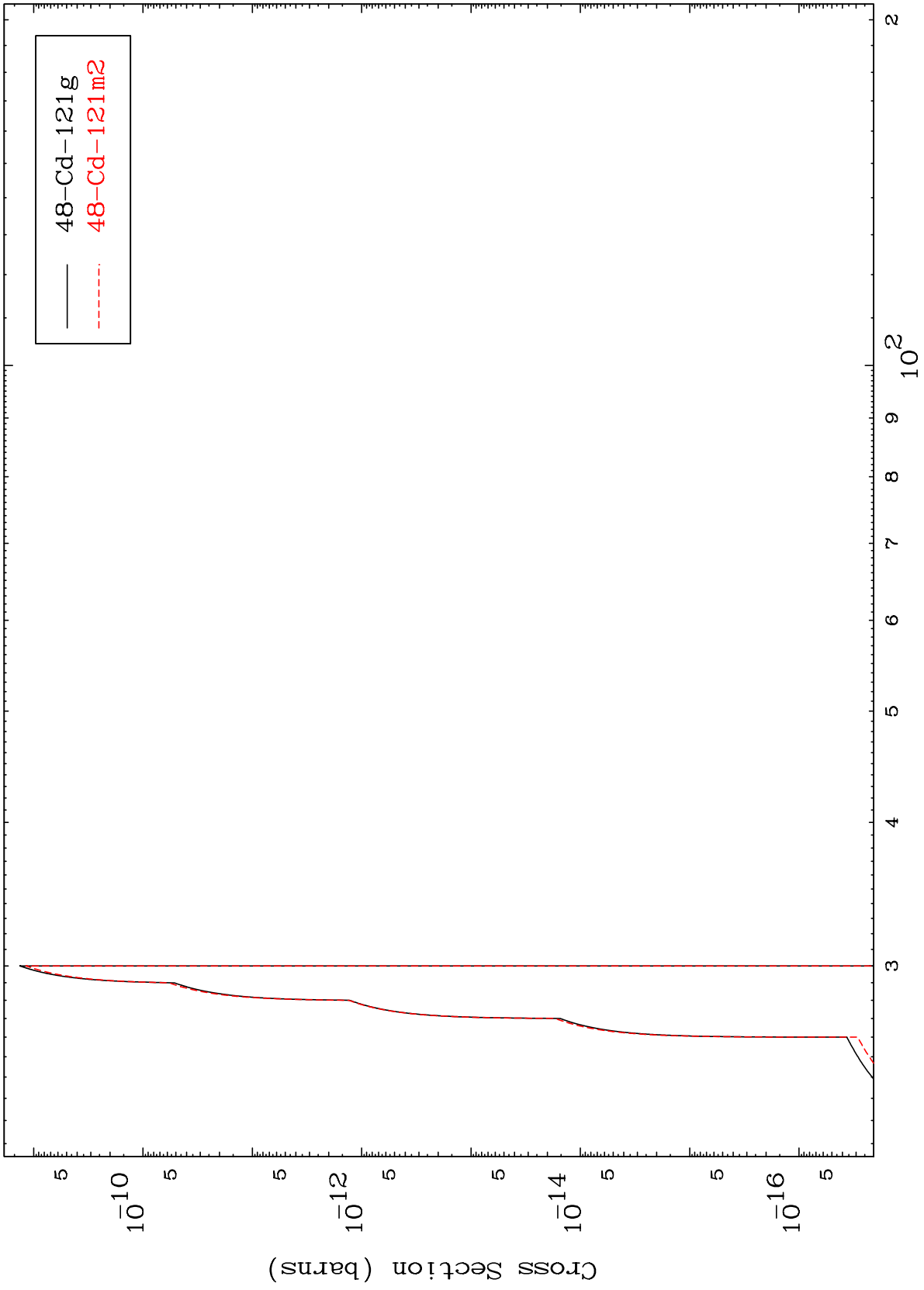
50-Sn-127

MAT 5070

(n,3n) α

50-Sn-127

Radionuclide Production Cross Section



137

Incident Energy (MeV)

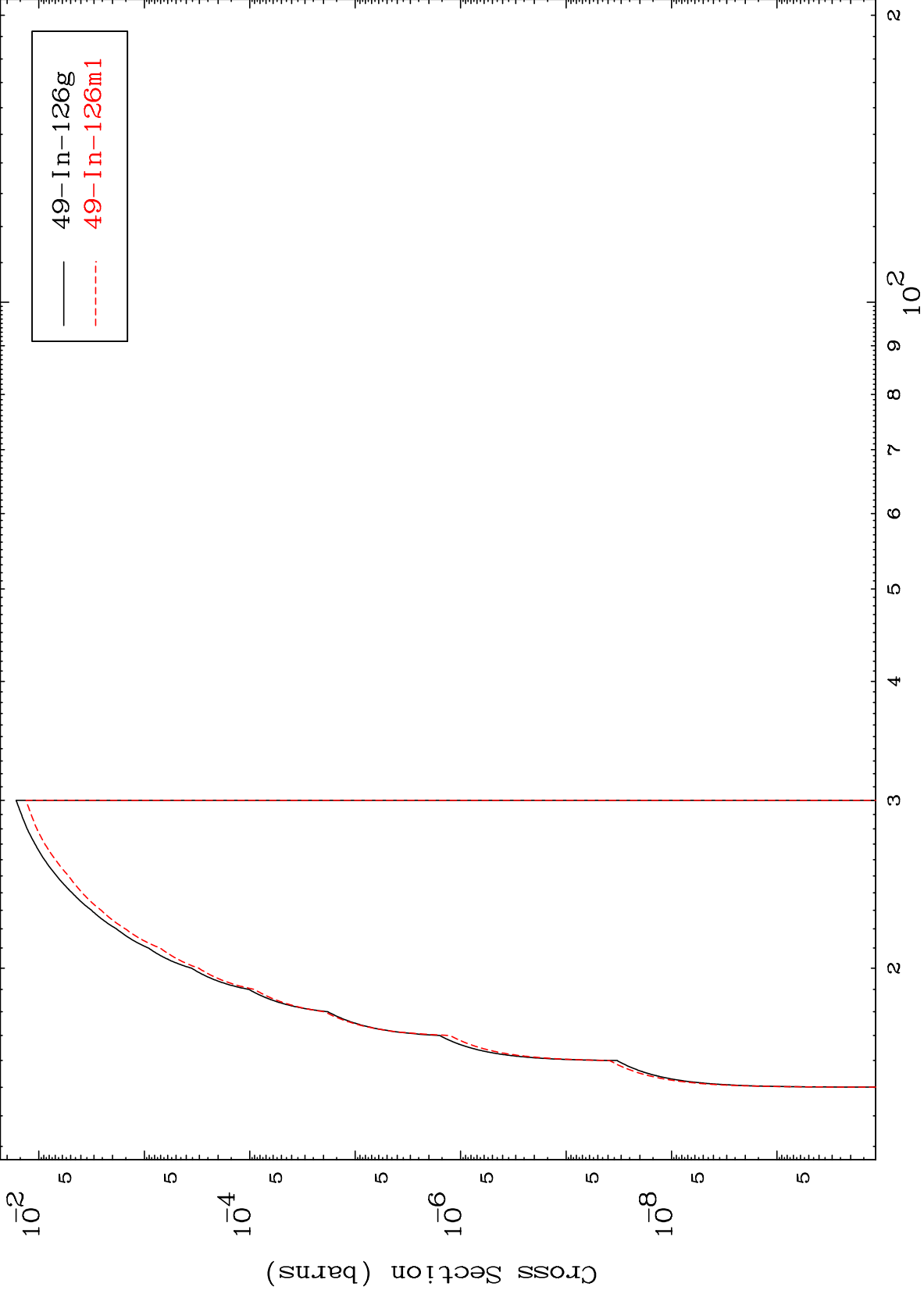
50-Sn-127

MAT 5070

(n,n') p

50-Sn-127

Radionuclide Production Cross Section



138

Incident Energy (MeV)

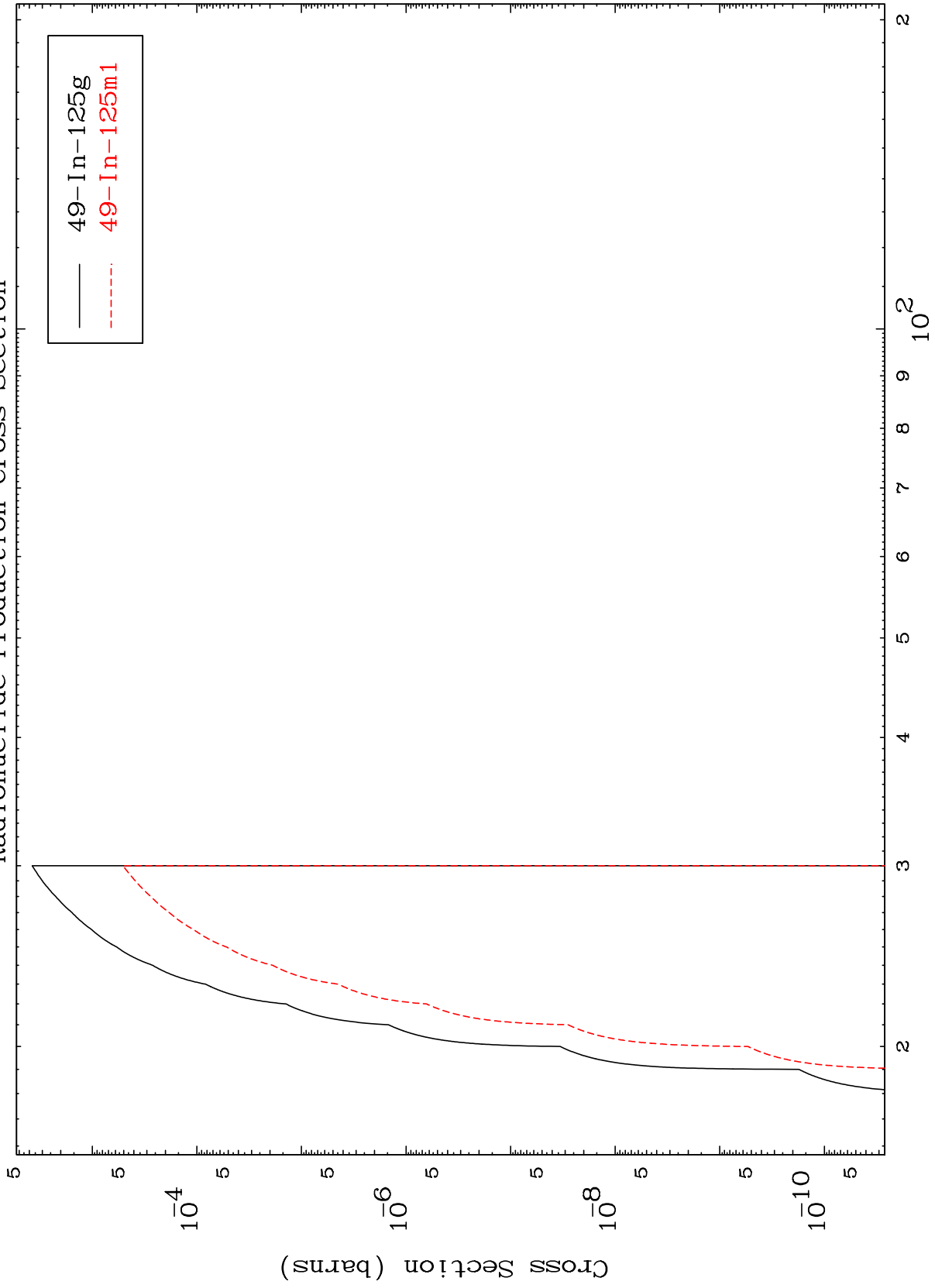
50-Sn-127

MAT 5070

(n,n') d

50-Sn-127

Radionuclide Production Cross Section



139

Incident Energy (MeV)

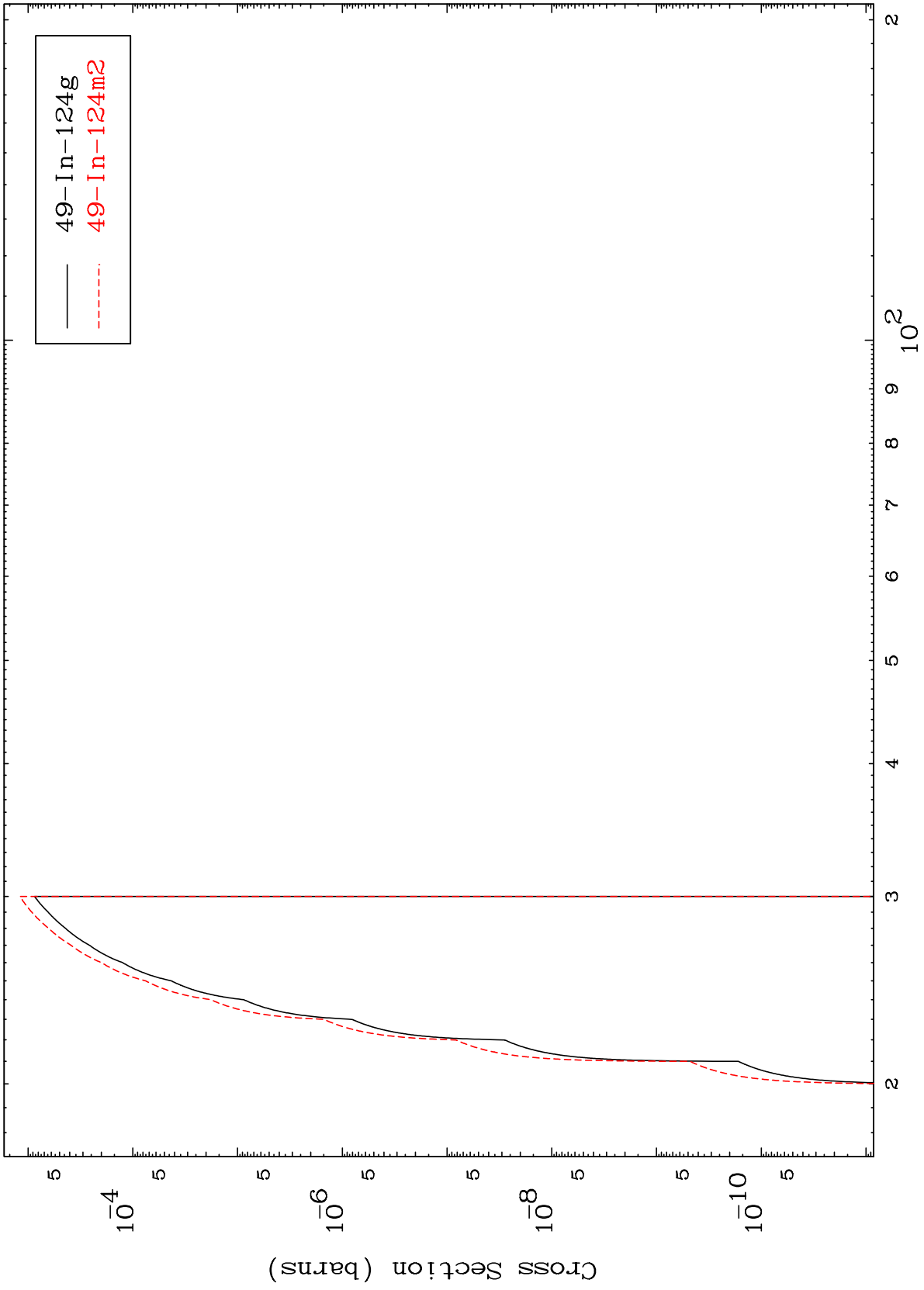
50-Sn-127

MAT 5070

(n,n') t

50-Sn-127

Radionuclide Production Cross Section



140

Incident Energy (MeV)

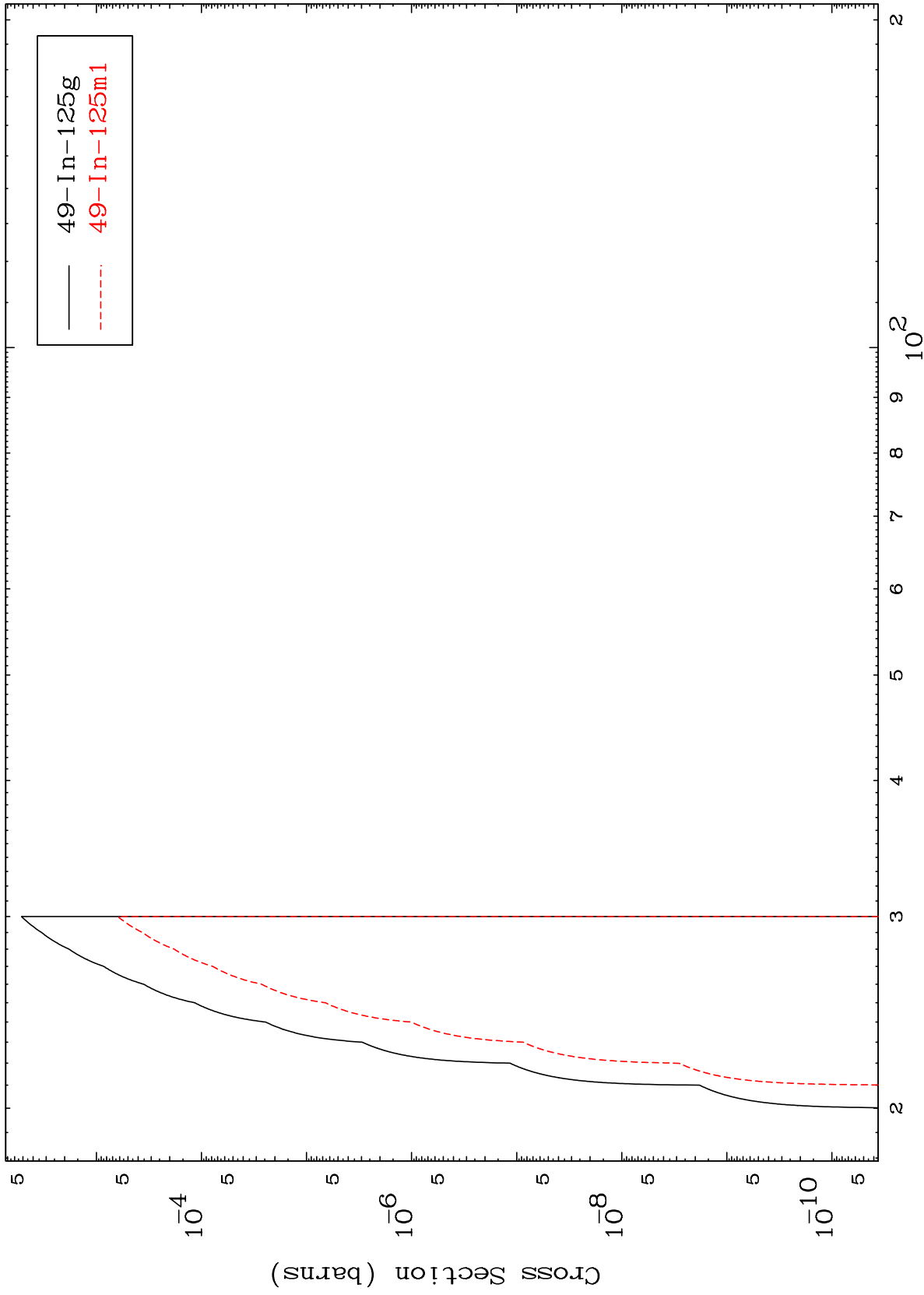
50-Sn-127

MAT 5070

(n,2n) p

50-Sn-127

Radionuclide Production Cross Section



141

Incident Energy (MeV)

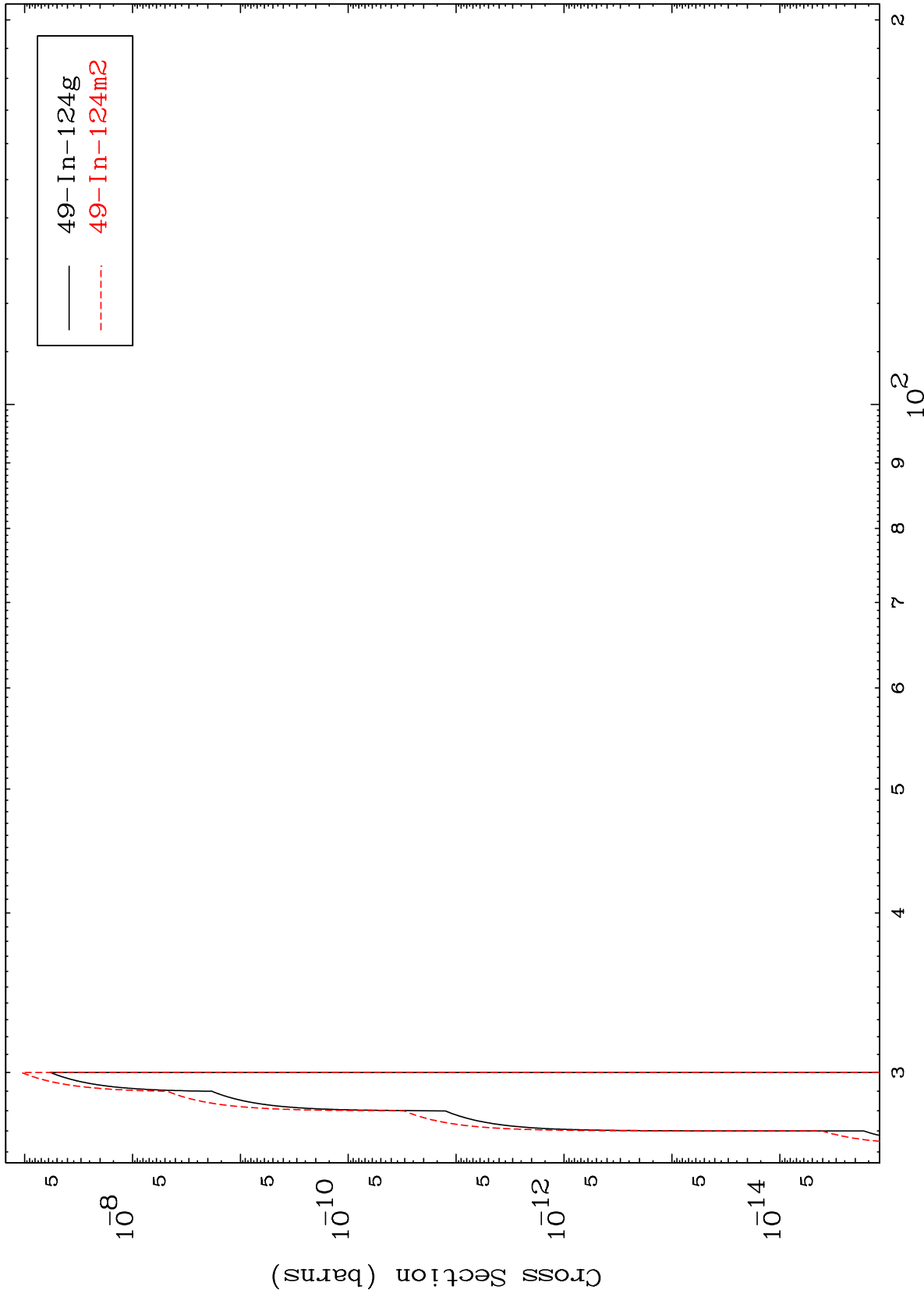
50-Sn-127

MAT 5070

(n,3n) p

50-Sn-127

Radionuclide Production Cross Section



142

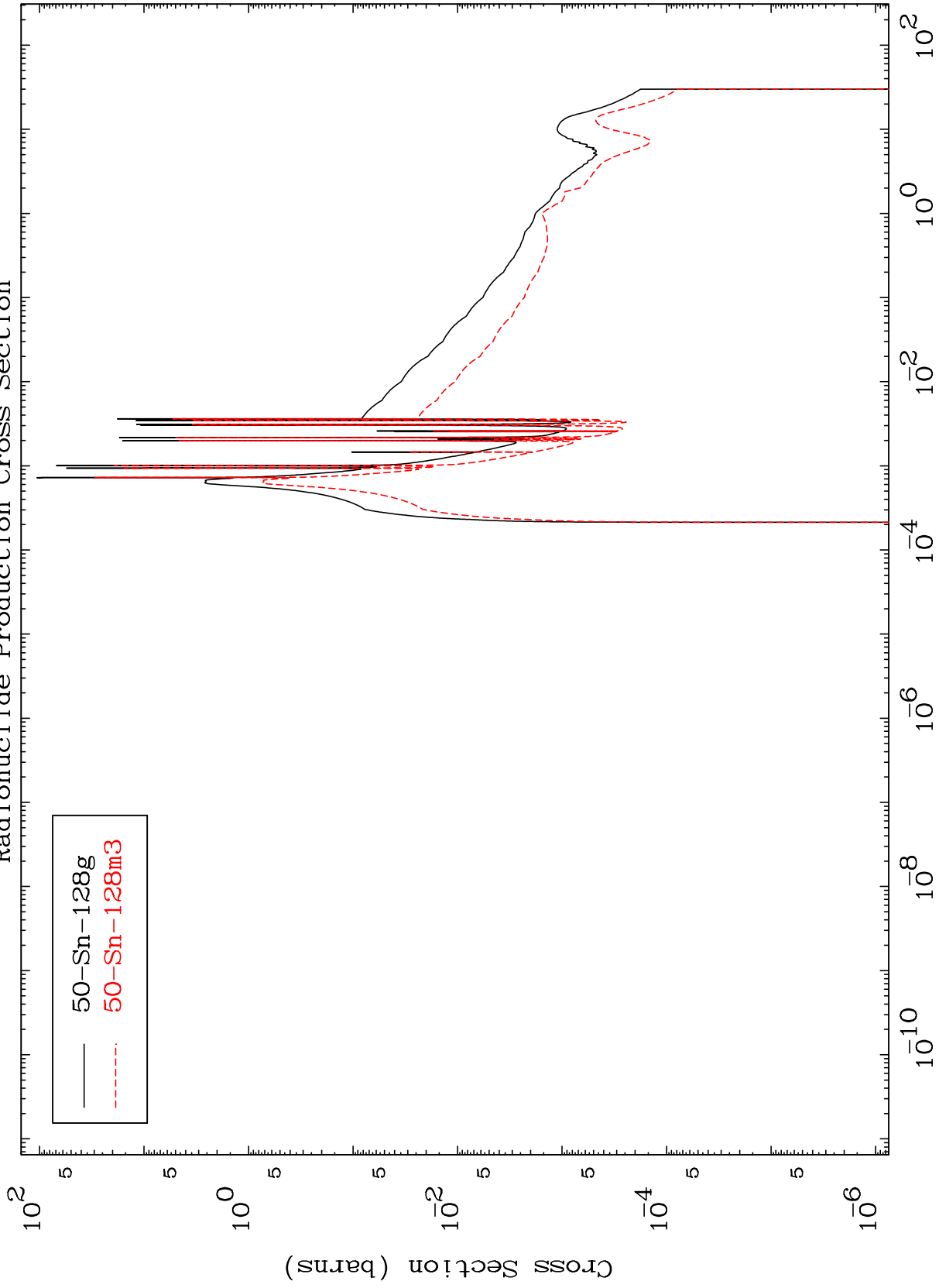
Incident Energy (MeV)

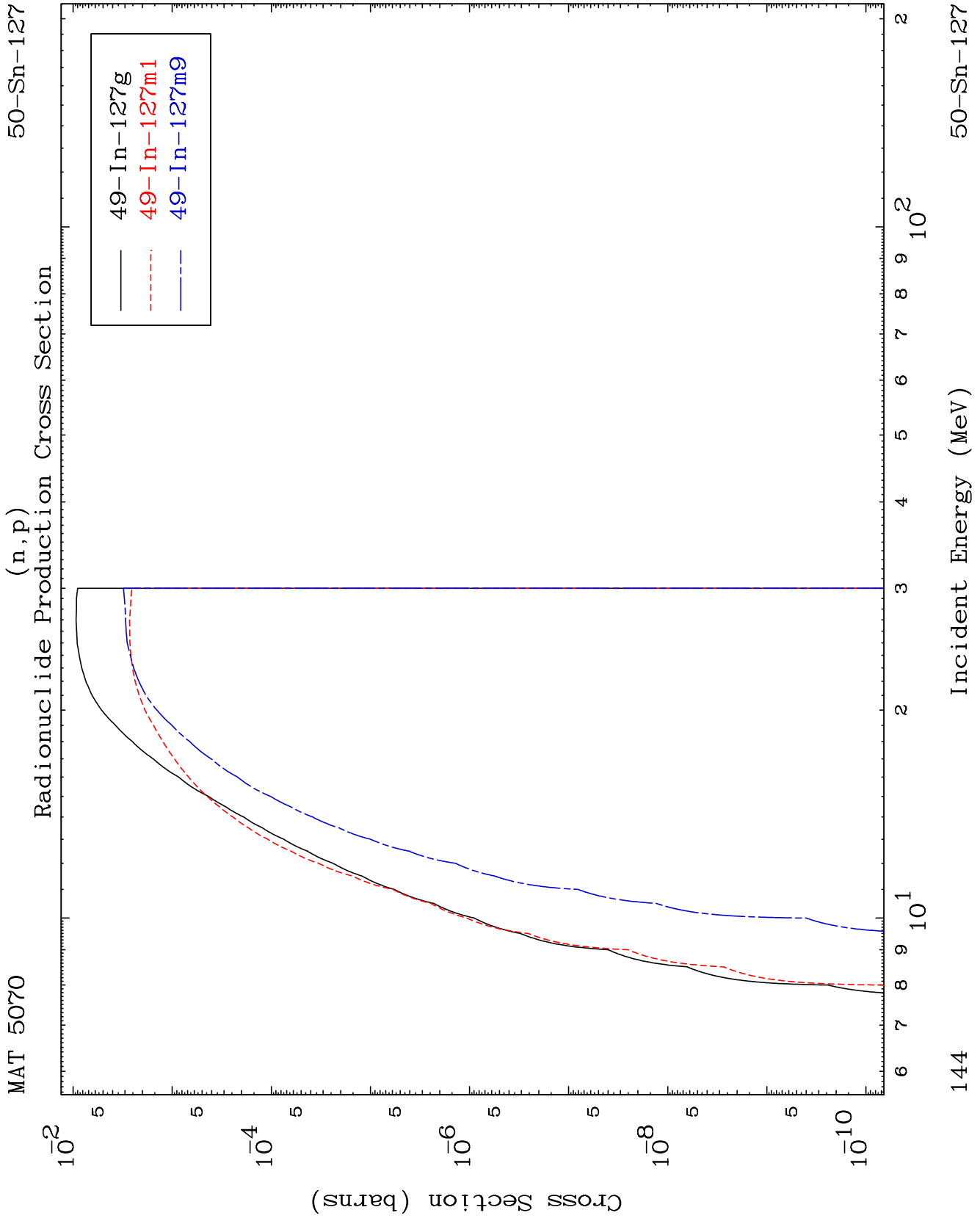
50-Sn-127

MAT 5070

Radionuclide Production Cross Section
(n, γ)

50-Sn-127

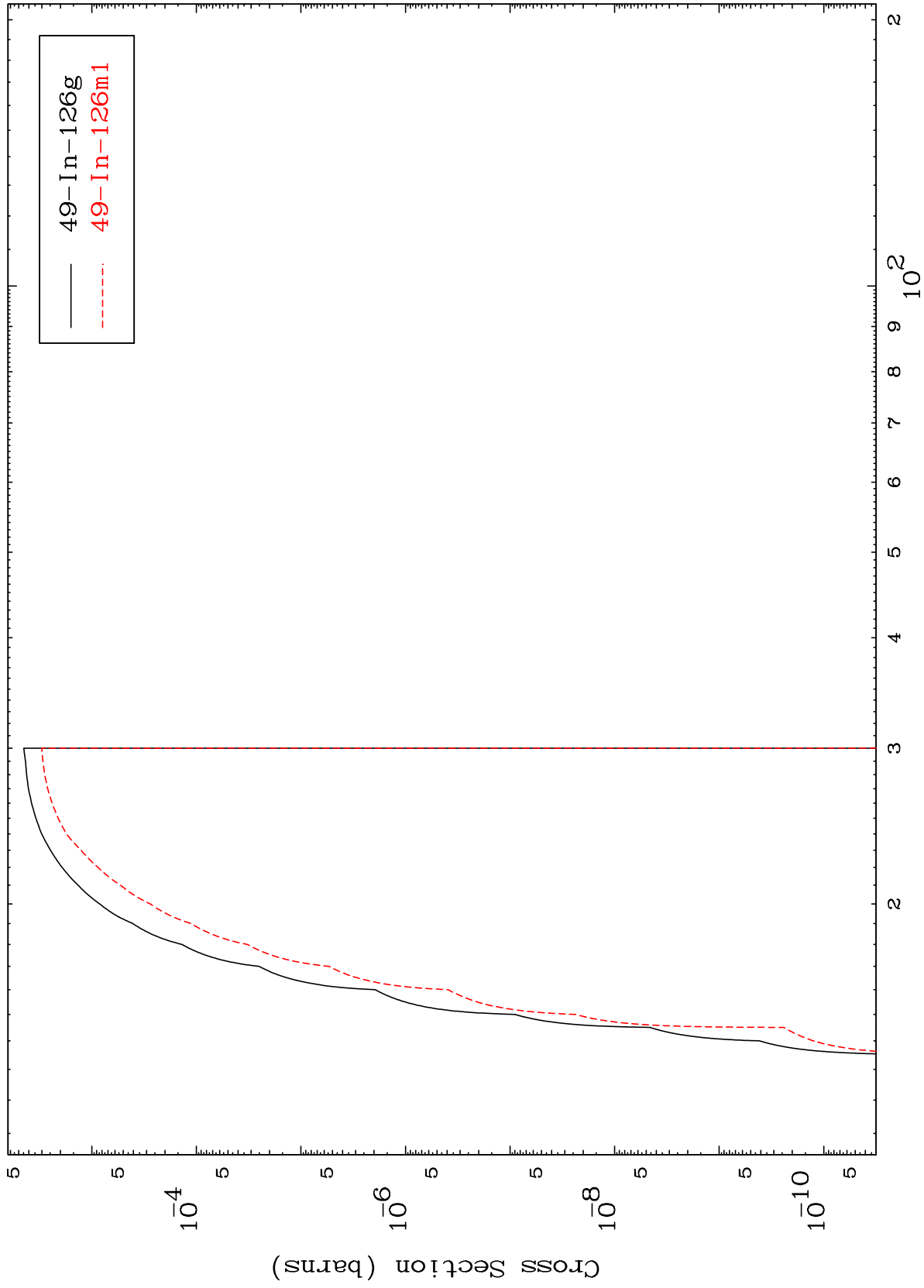




MAT 5070

(n,d)
Radionuclide Production Cross Section

50-Sn-127



145

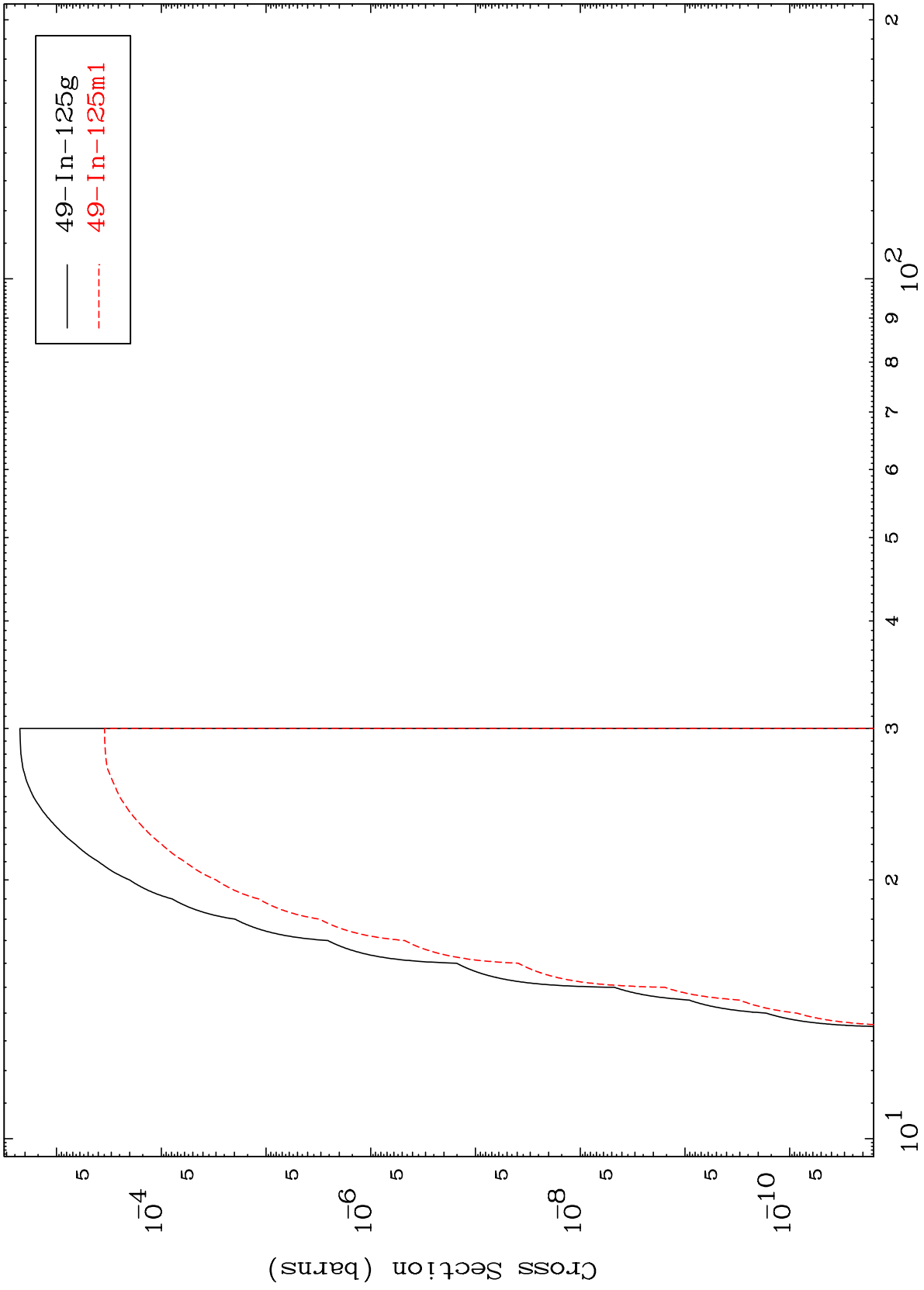
Incident Energy (MeV)

50-Sn-127

MAT 5070

50-Sn-127

(n, t)
Radionuclide Production Cross Section



146

Incident Energy (MeV)

50-Sn-127