

Program EVALPLOT
(Version 2021-1)

by

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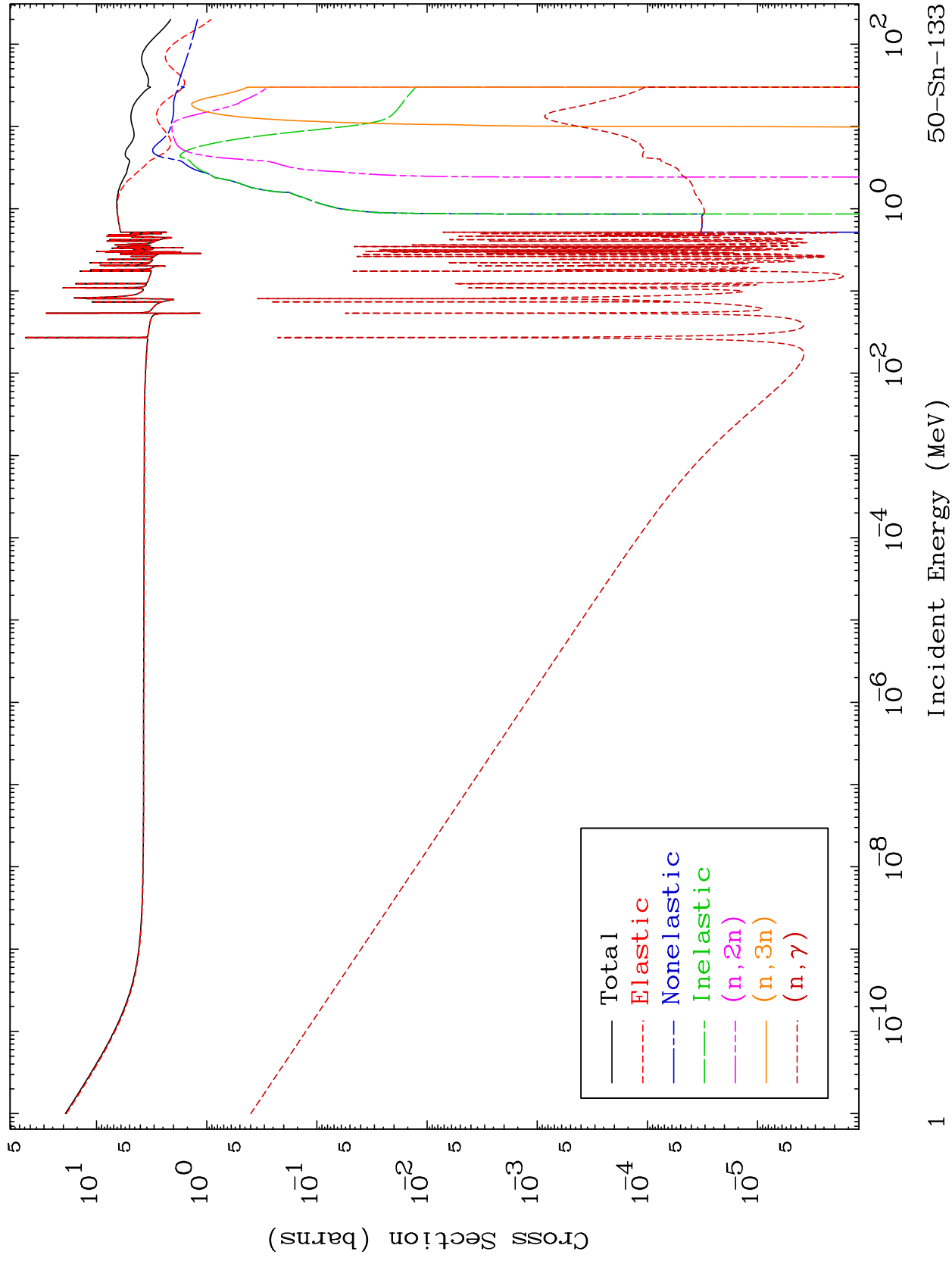
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5088

Neutron Major
293 Kelvin Cross Sections

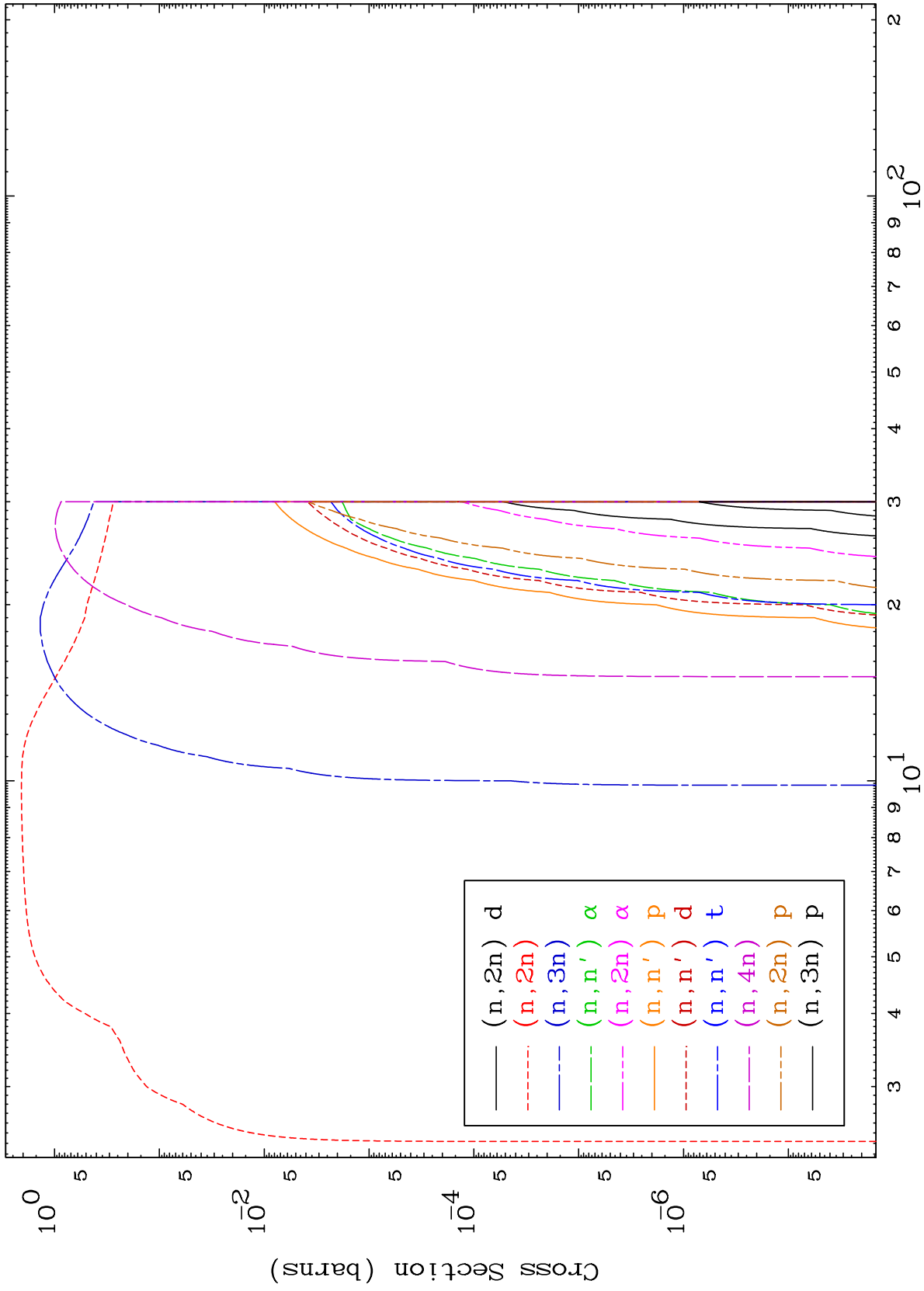
50-Sn-133



MAT 5088

Neutron Absorption
293 Kelvin Cross Sections

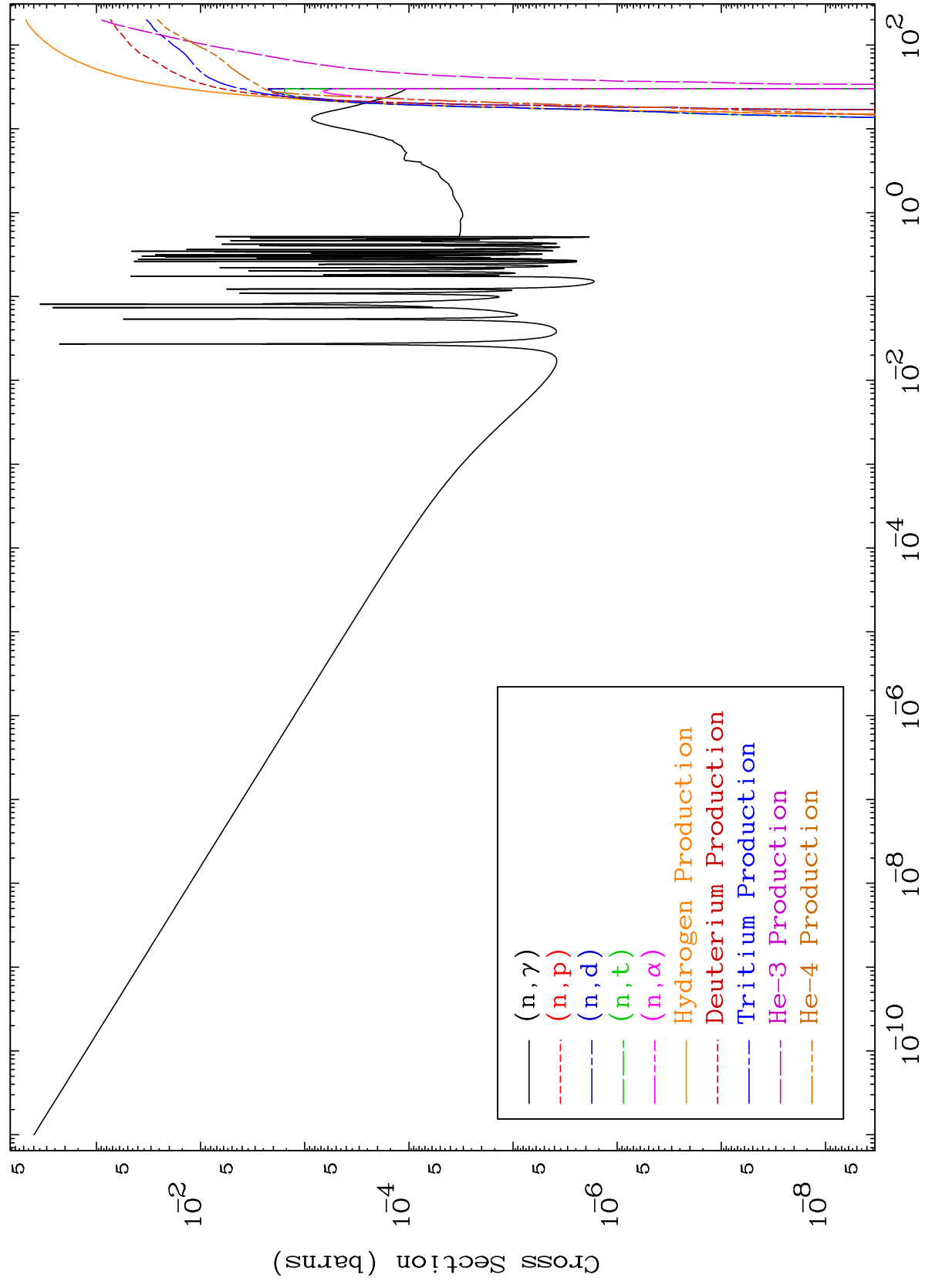
50-Sn-133

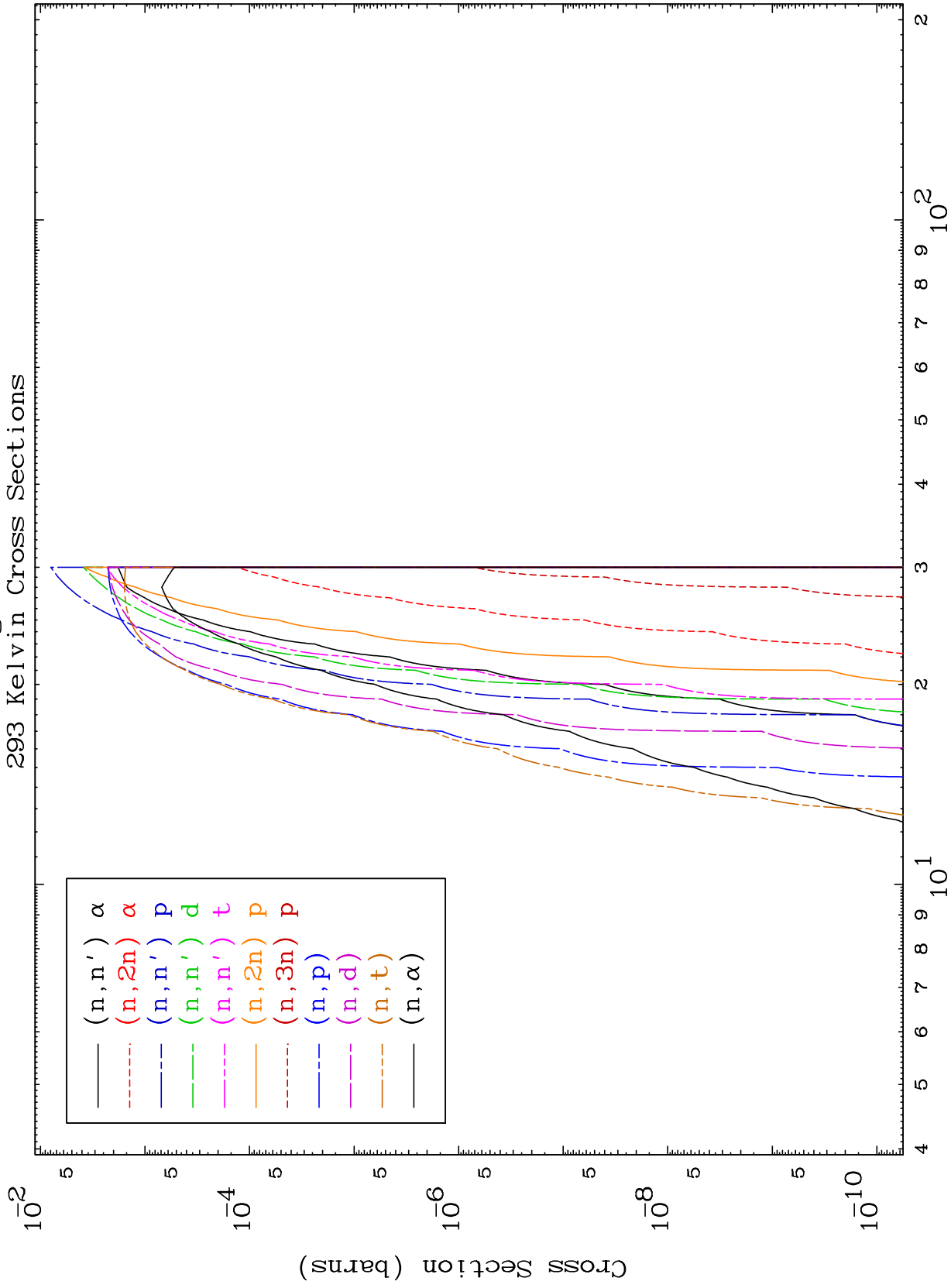


MAT 5088

Neutron Absorption
293 Kelvin Cross Sections

50-Sn-133

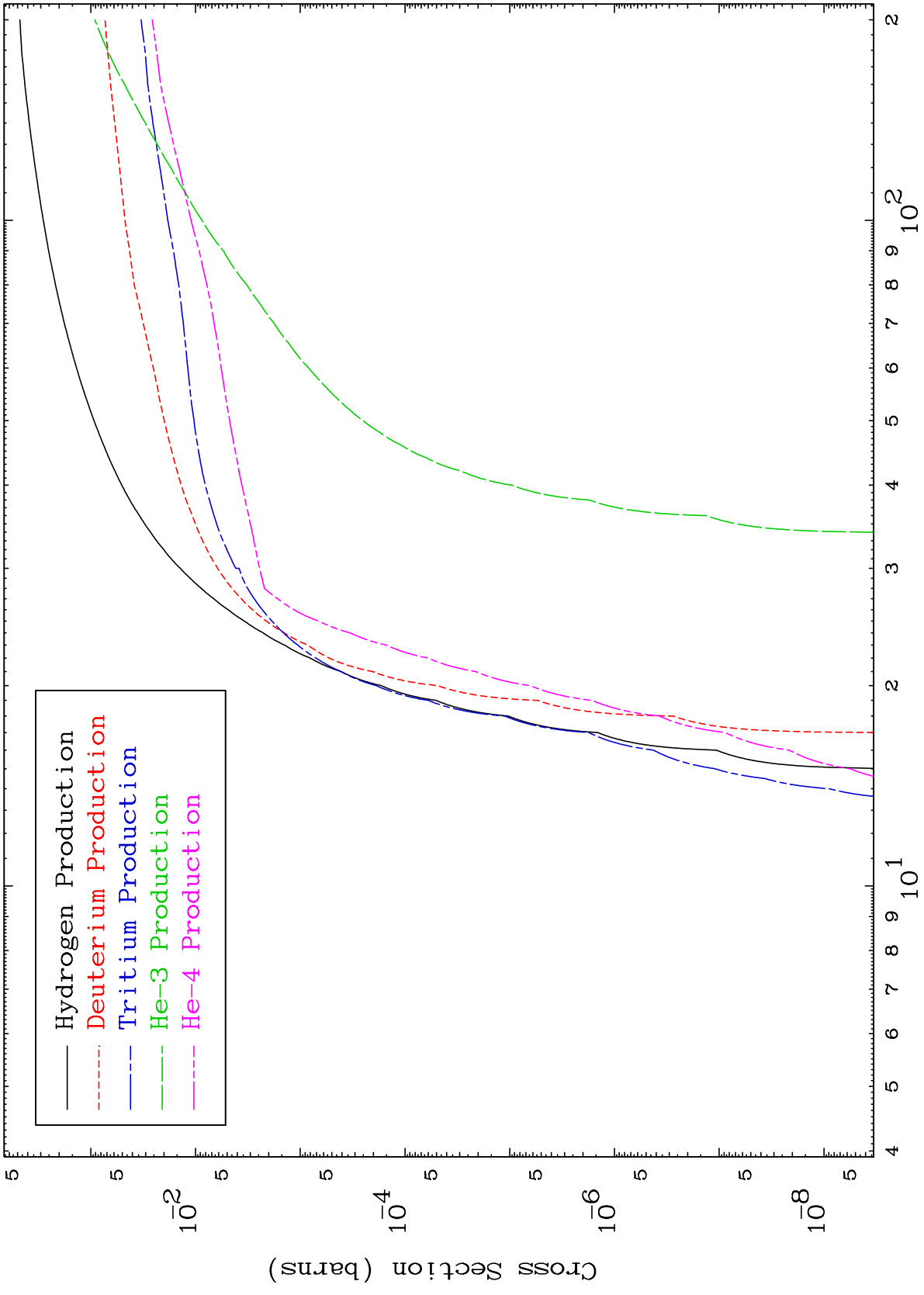




MAT 5088

Particle Production
293 Kelvin Cross Sections

50-Sn-133



5

Incident Energy (MeV)

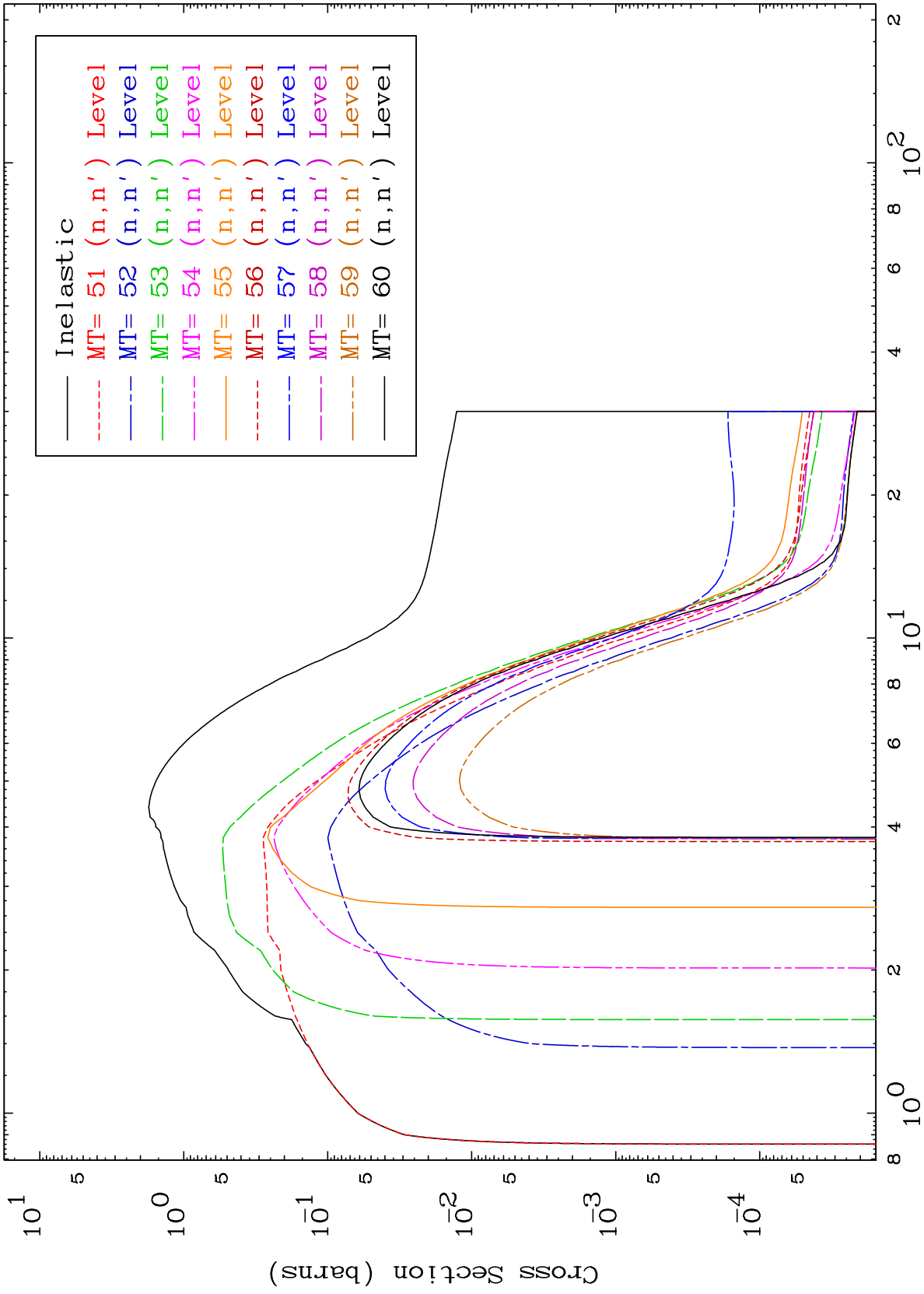
50-Sn-133

MAT 5088

(n,n') Levels

50-Sn-133

293 Kelvin Cross Sections



Incident Energy (MeV)

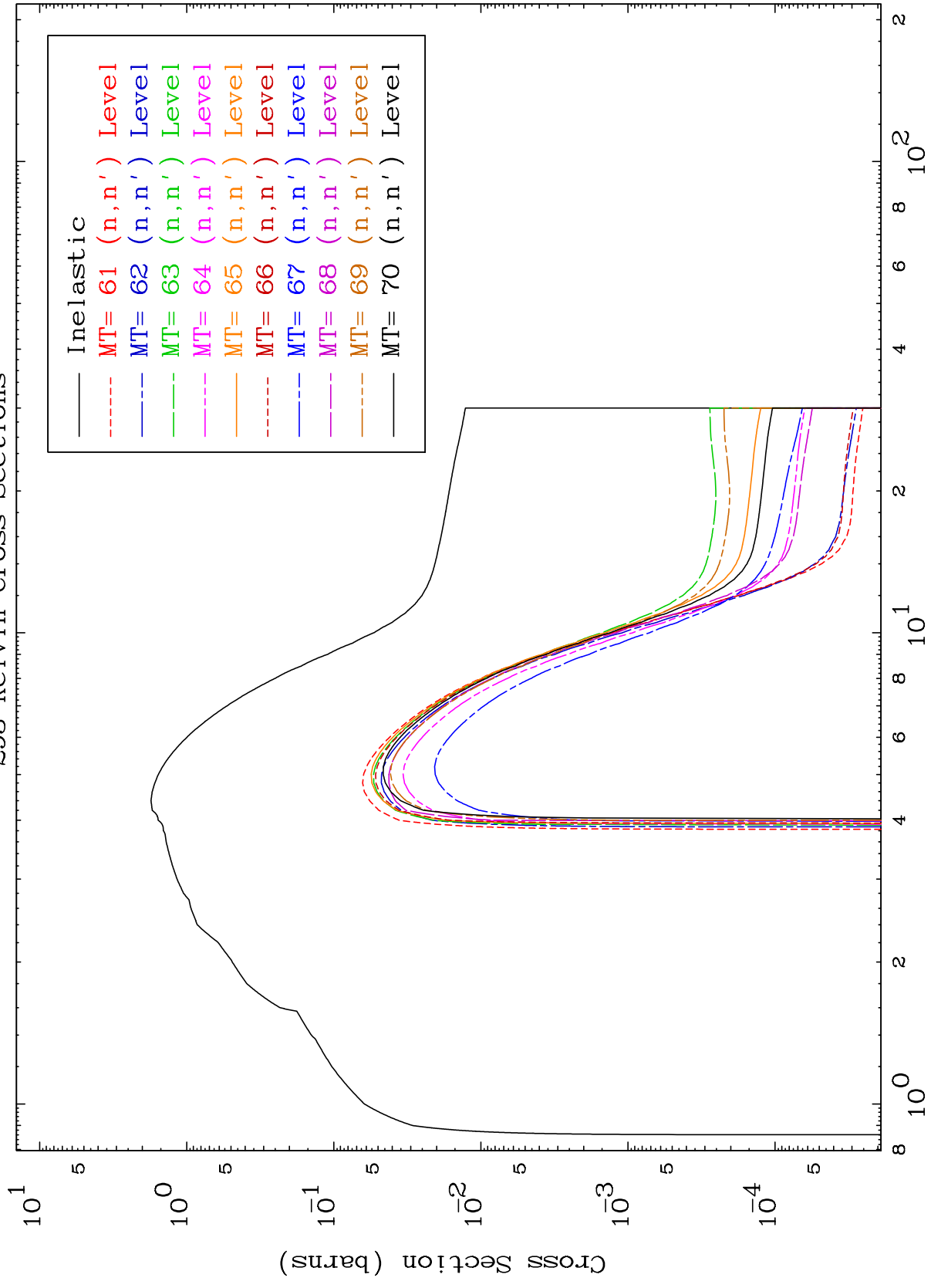
50-Sn-133

MAT 5088

(n,n') Levels

50-Sn-133

293 Kelvin Cross Sections



Incident Energy (MeV)

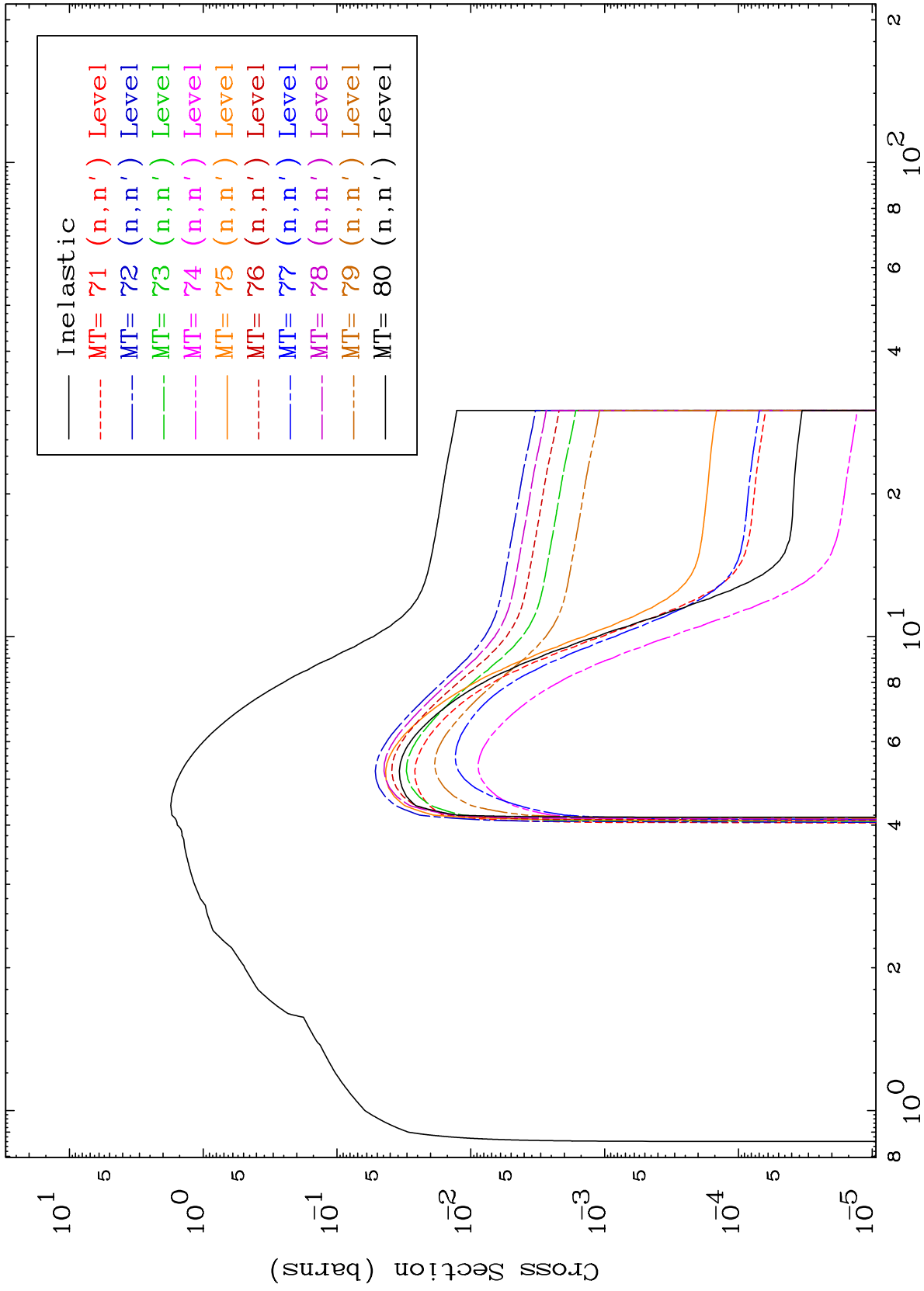
50-Sn-133

MAT 5088

(n,n') Levels

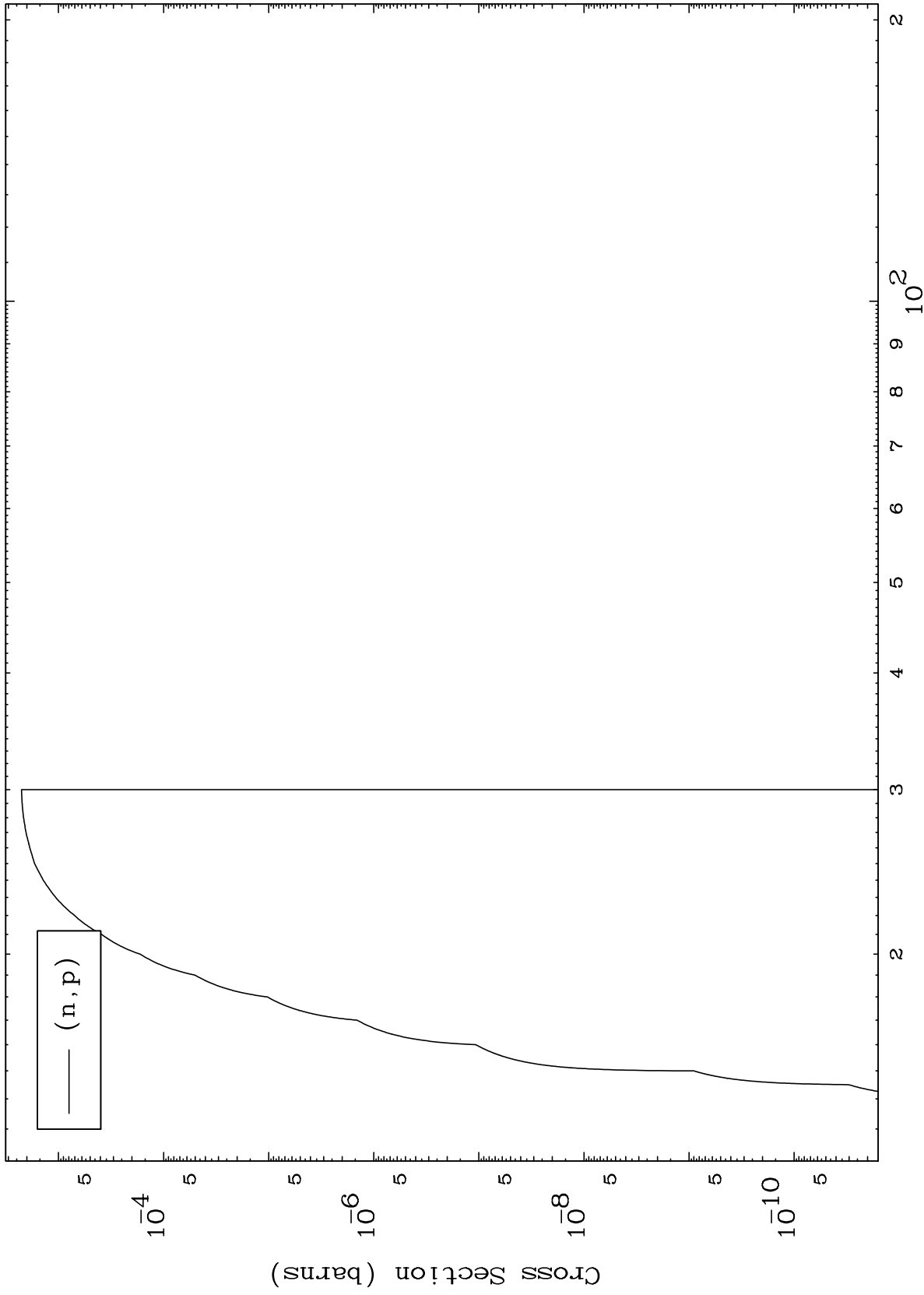
50-Sn-133

293 Kelvin Cross Sections



Incident Energy (MeV)

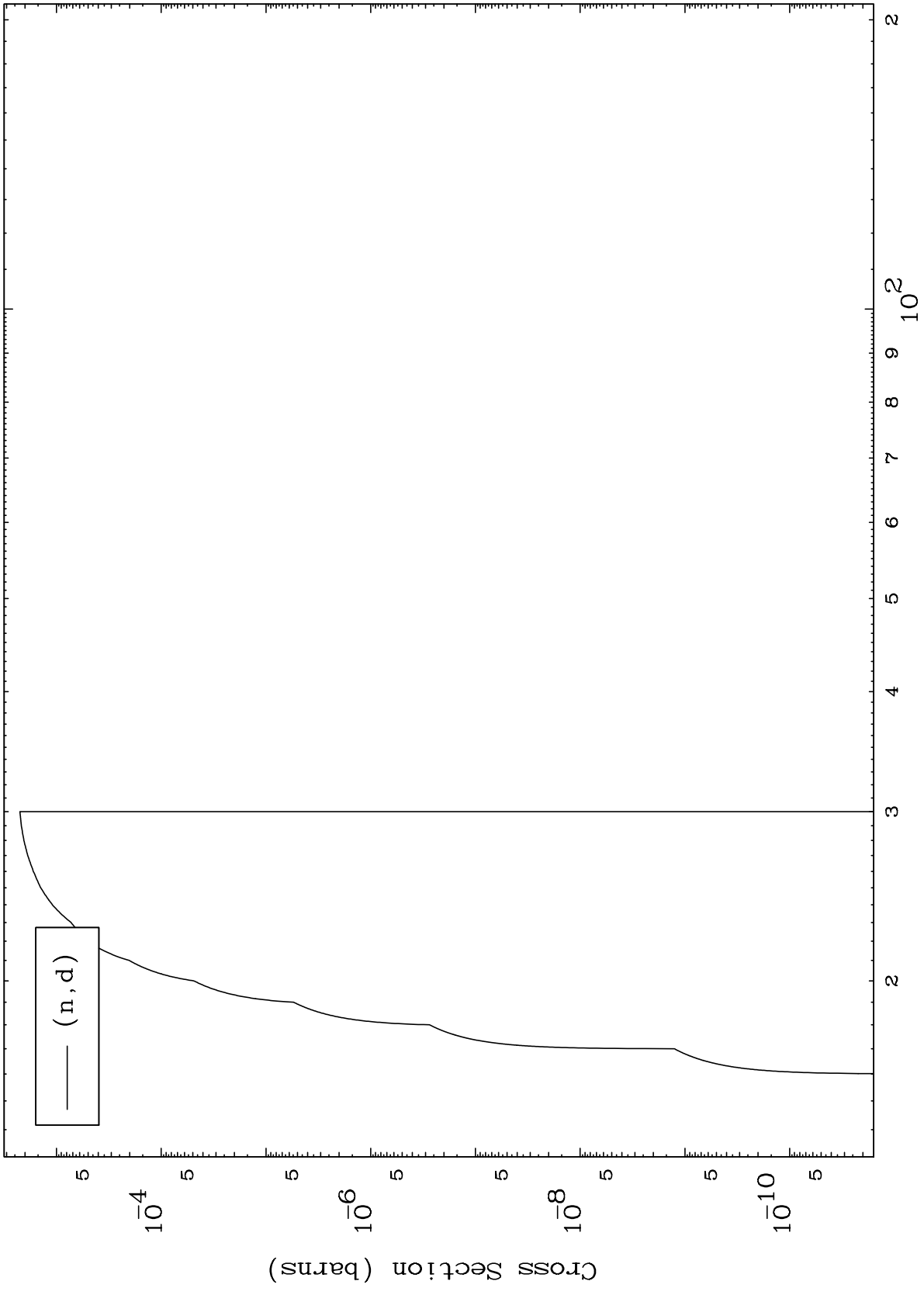
50-Sn-133



MAT 5088

(n,d) Levels
293 Kelvin Cross Sections

50-Sn-133



10

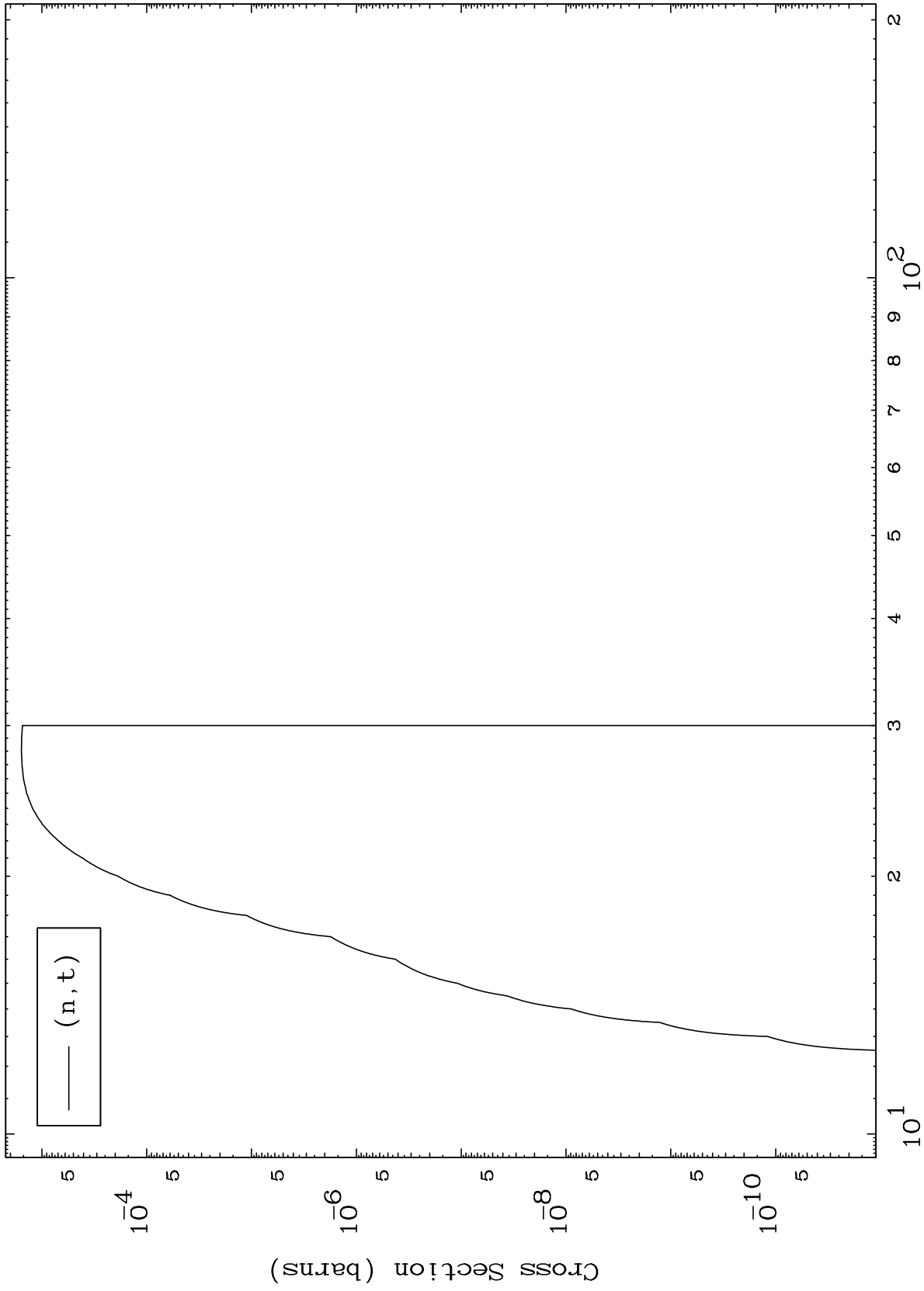
Incident Energy (MeV)

50-Sn-133

MAT 5088

(n,t) Levels
293 Kelvin Cross Sections

50-Sn-133



11

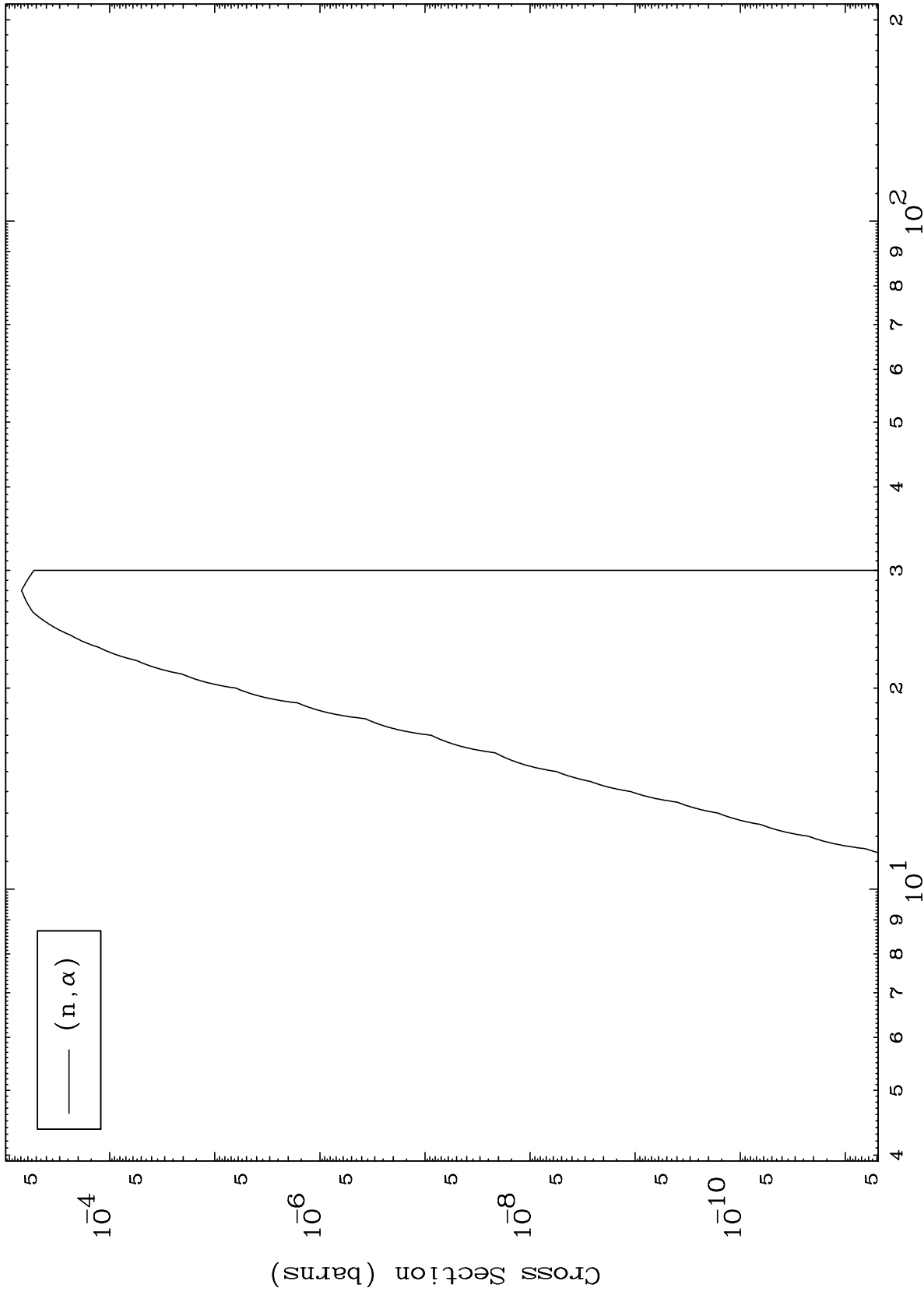
Incident Energy (MeV)

50-Sn-133

MAT 5088

(n,α) Levels
293 Kelvin Cross Sections

50-Sn-133



12

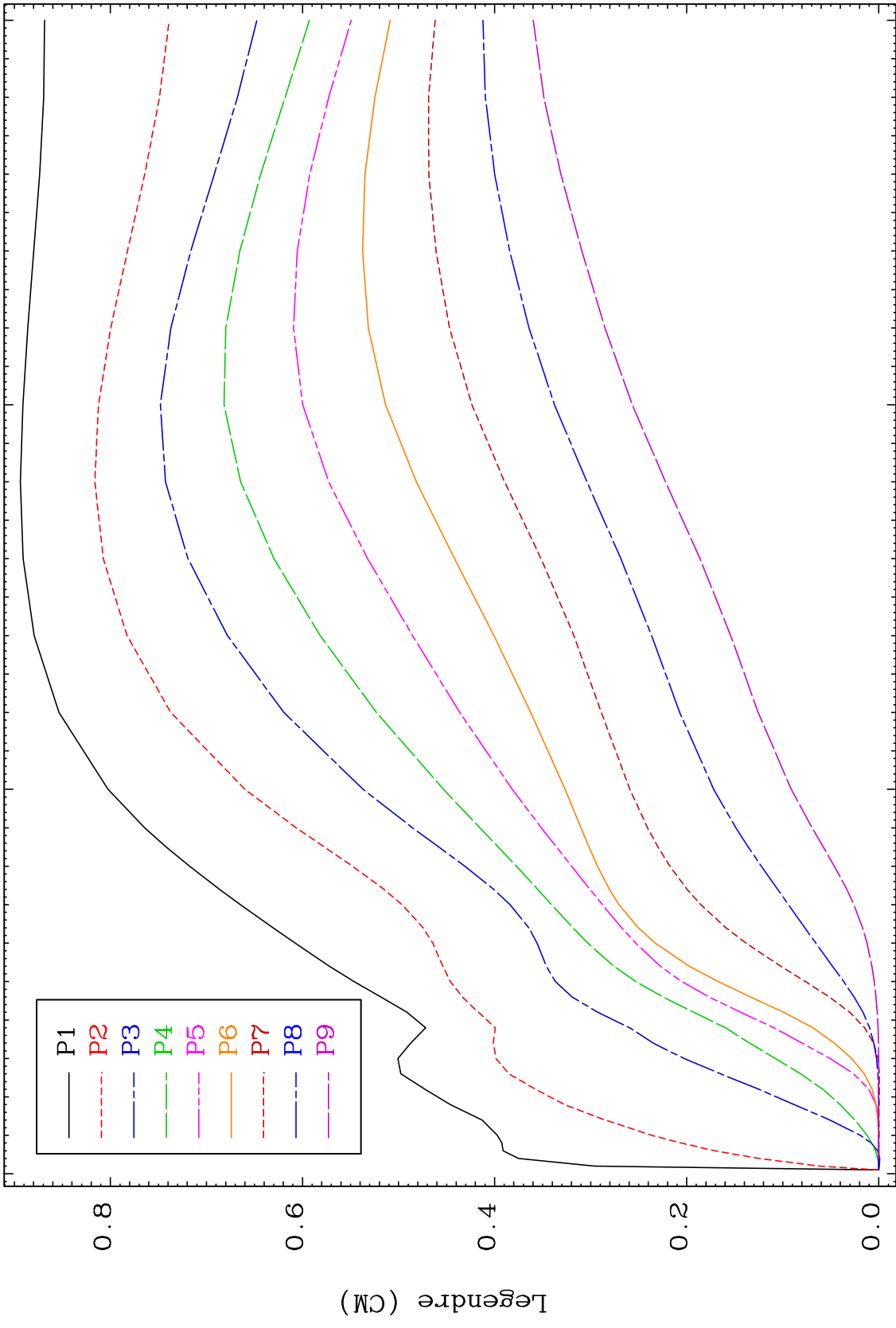
Incident Energy (MeV)

50-Sn-133

MAT 5088

Elastic Legendre Coefficients

50-Sn-133



13

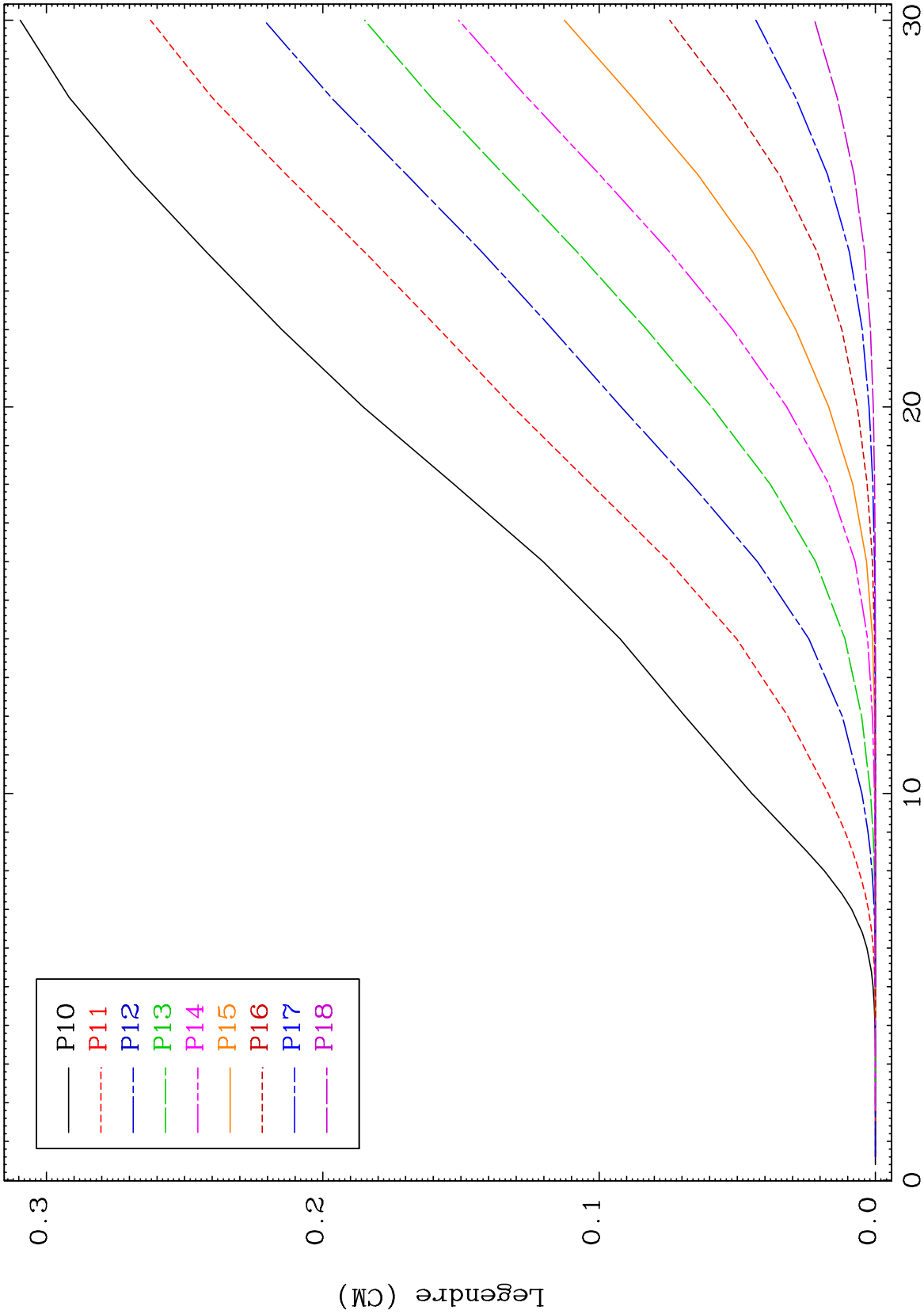
Incident Energy (MeV)

50-Sn-133

MAT 5088

Elastic Legendre Coefficients

50-Sn-133



14

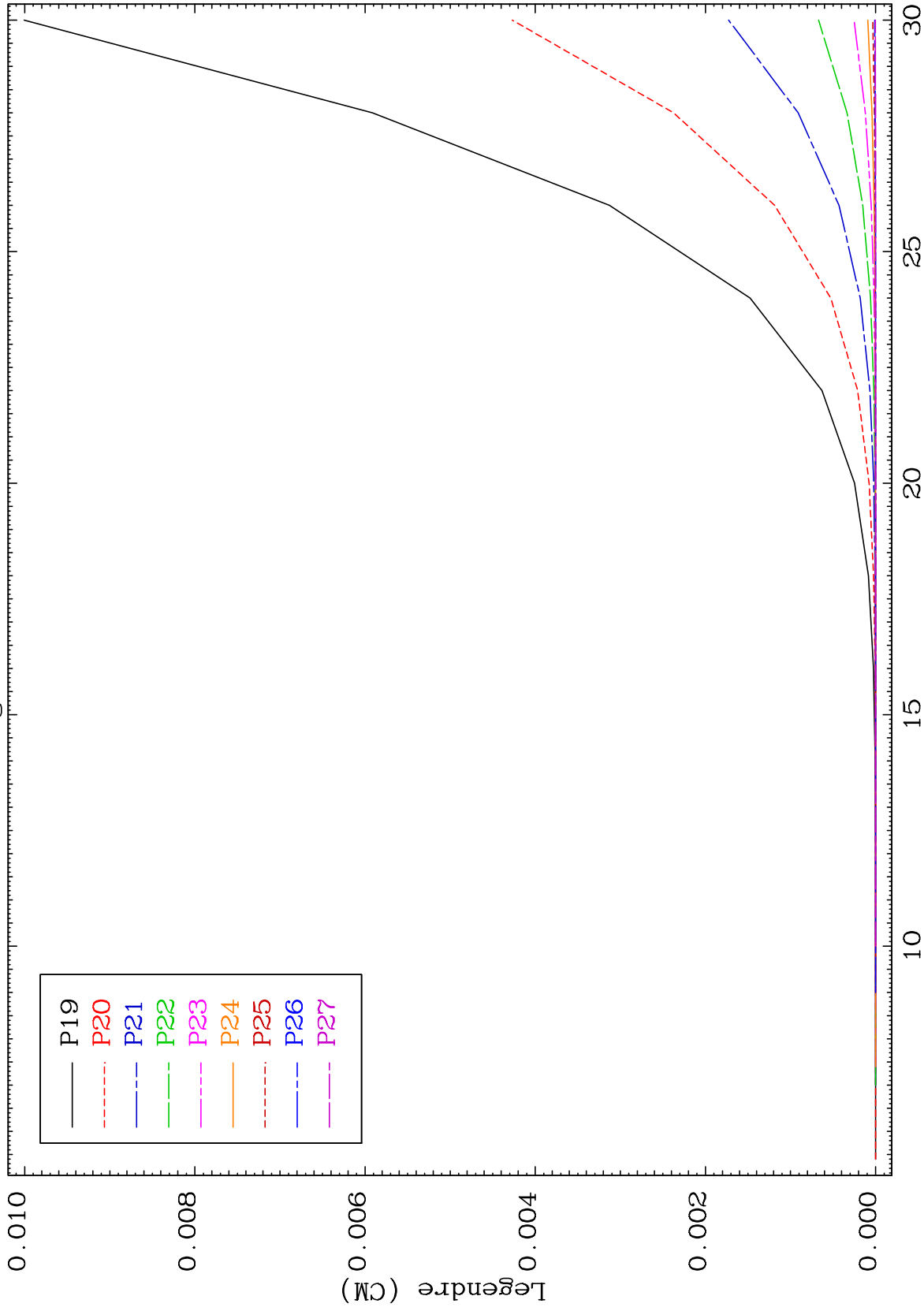
Incident Energy (MeV)

50-Sn-133

MAT 5088

Elastic
Legendre Coefficients

50-Sn-133



15

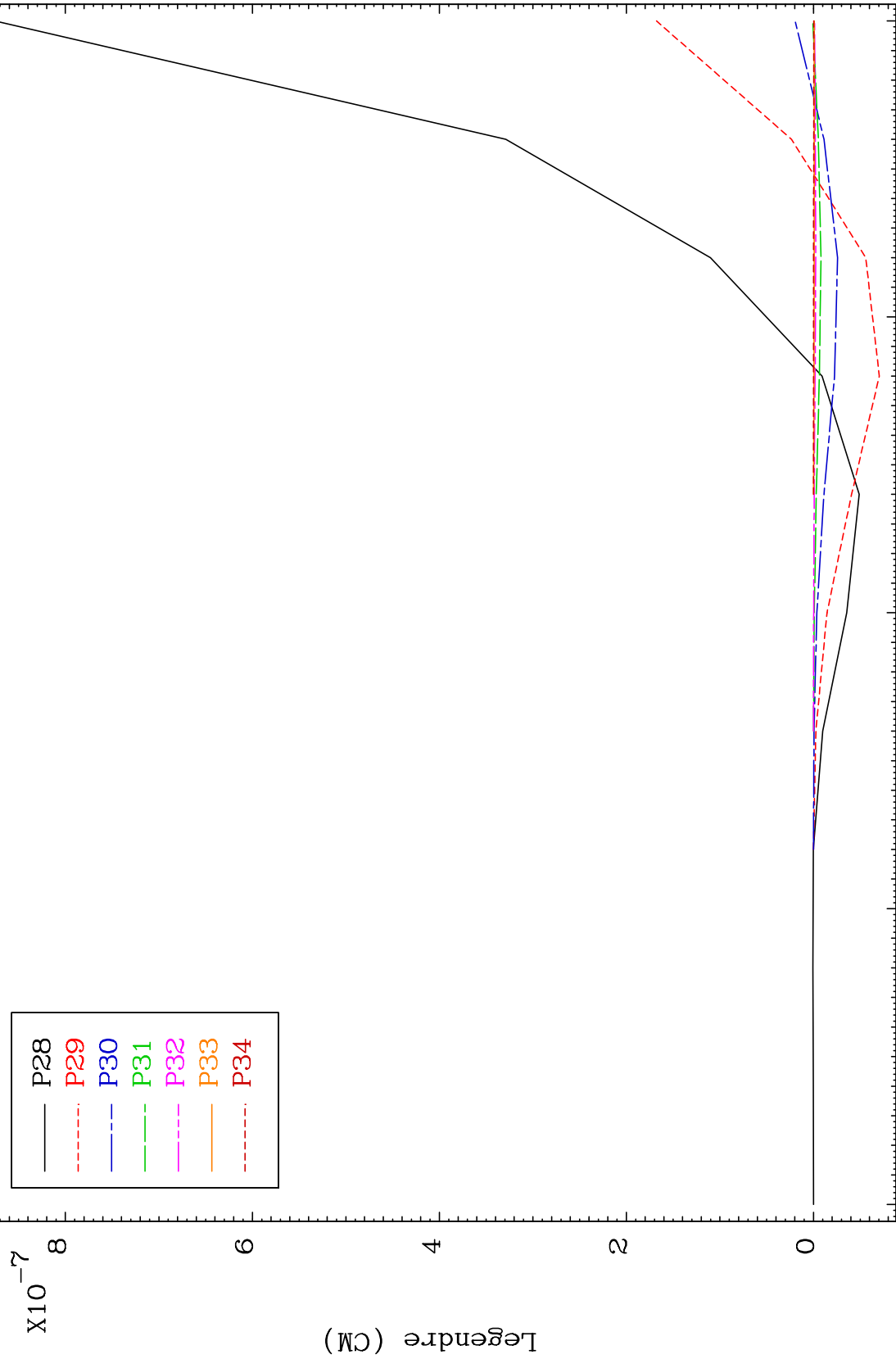
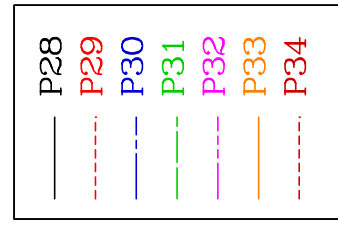
Incident Energy (MeV)

50-Sn-133

MAT 5088

Elastic Legendre Coefficients

50-Sn-133



10

15

20

25

30

50-Sn-133

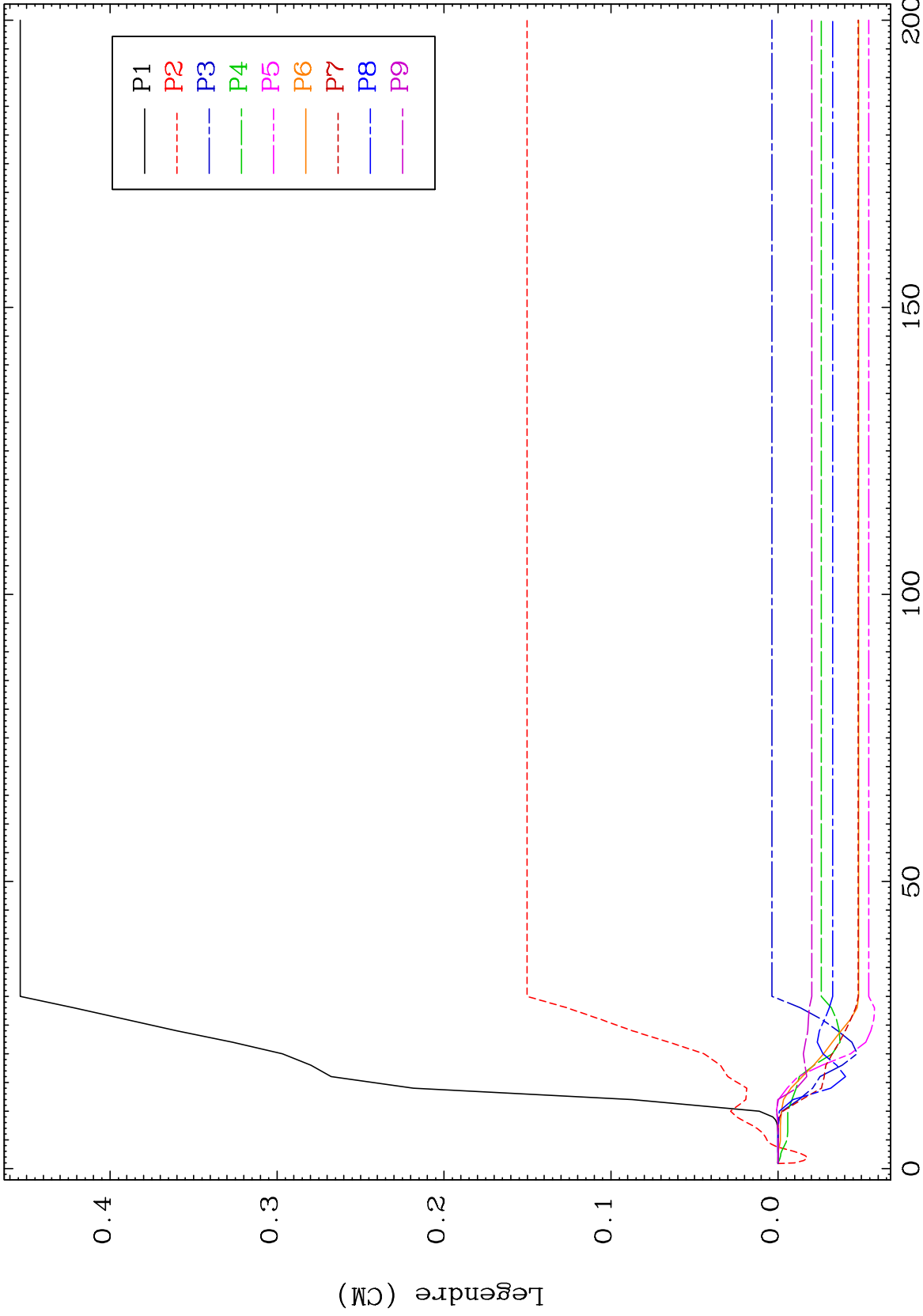
Legendre (CM)

X10⁻⁷

MAT 5088

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

50-Sn-133



17

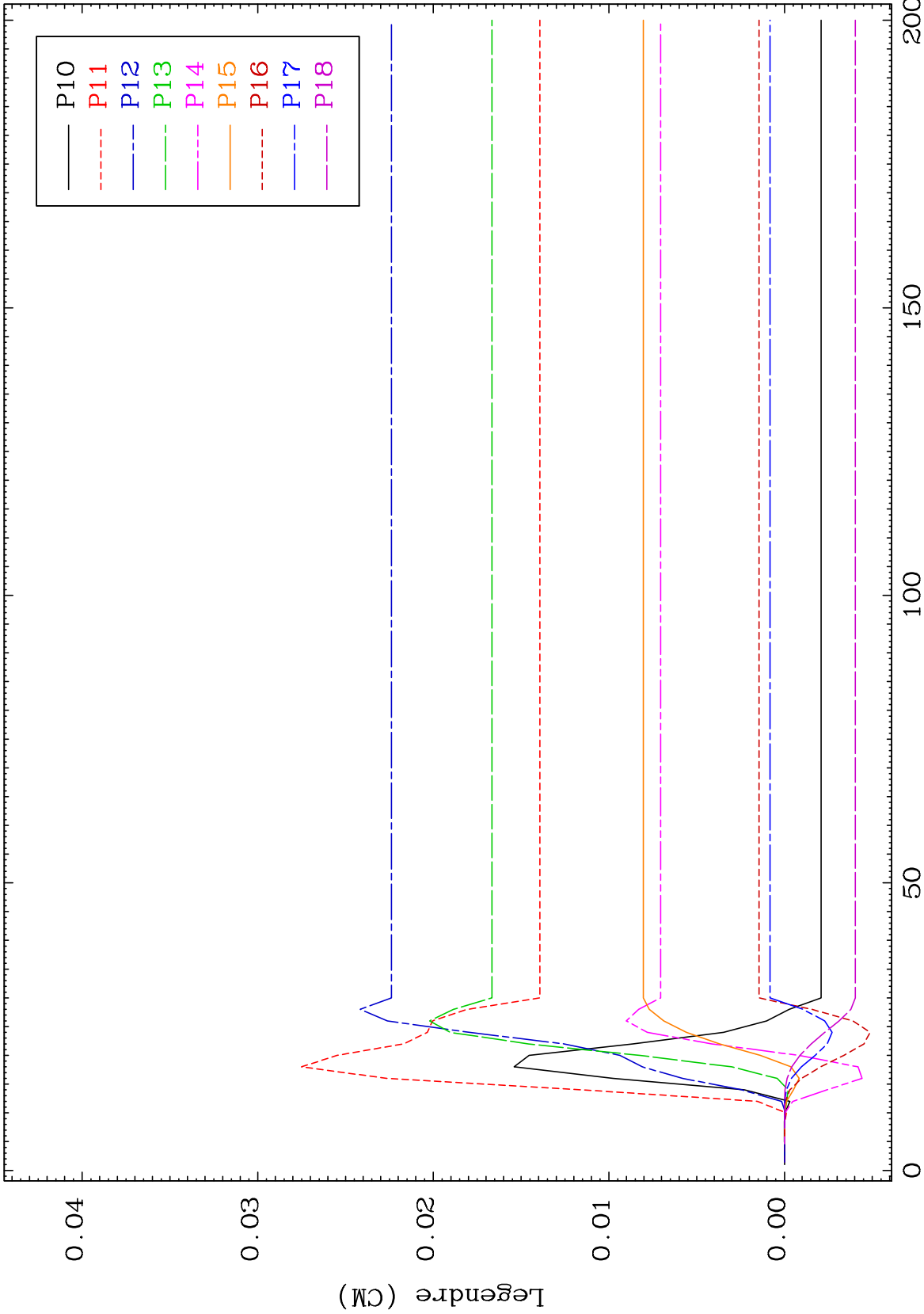
Incident Energy (MeV)

50-Sn-133

MAT 5088

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

50-Sn-133



18

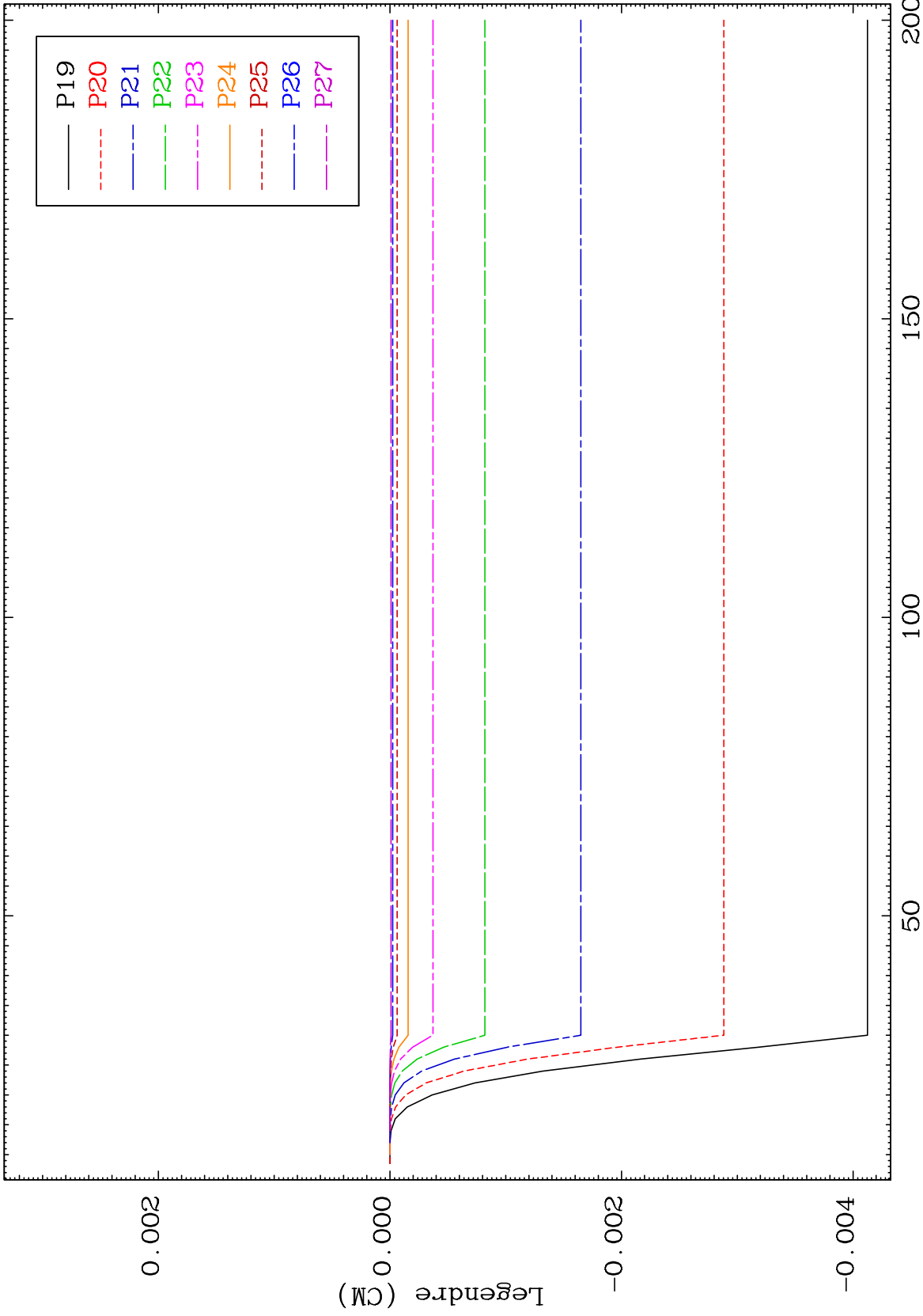
Incident Energy (MeV)

50-Sn-133

MAT 5088

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

50-Sn-133



19

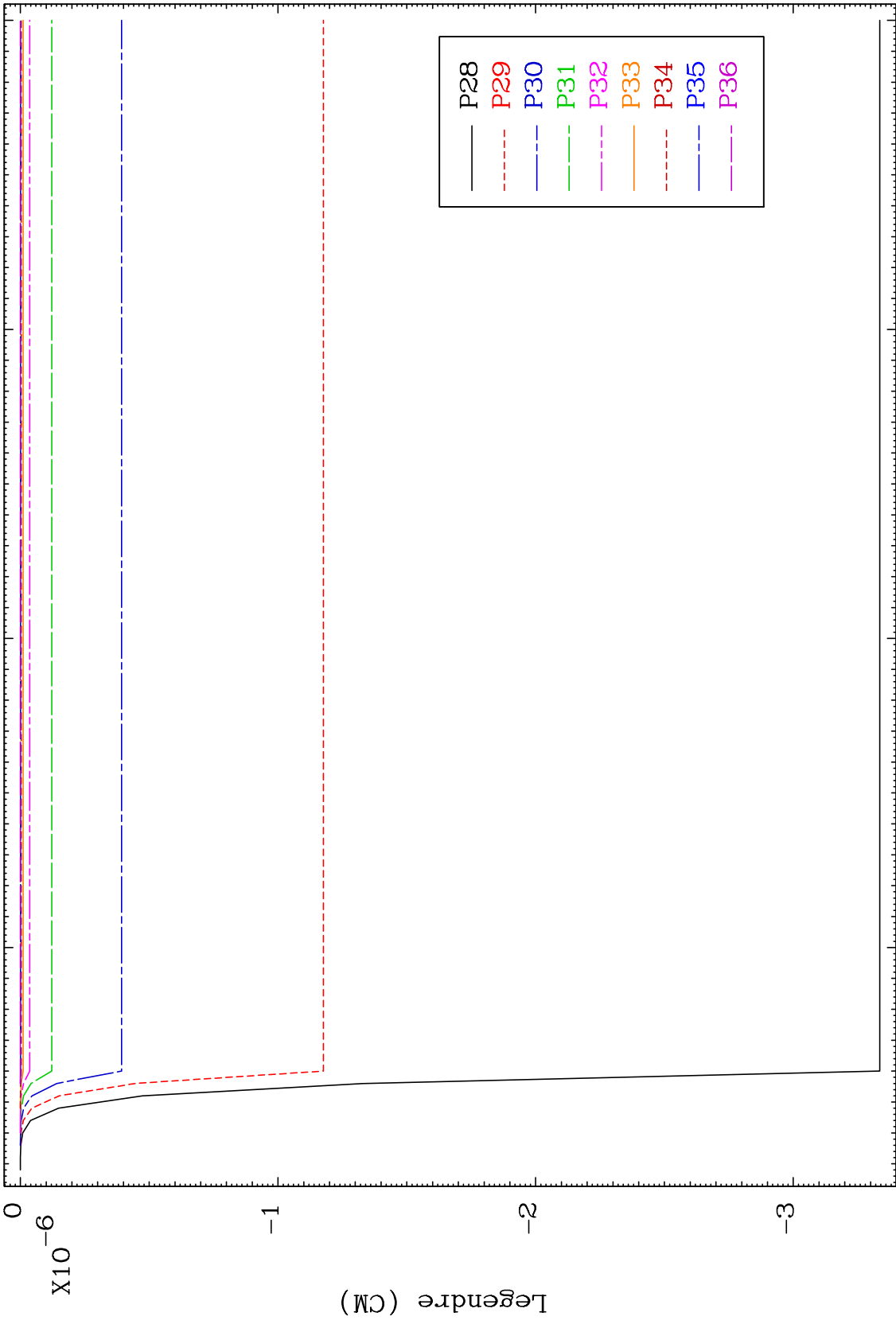
Incident Energy (MeV)

50-Sn-133

MAT 5088 MT= 51 (n,n') Level

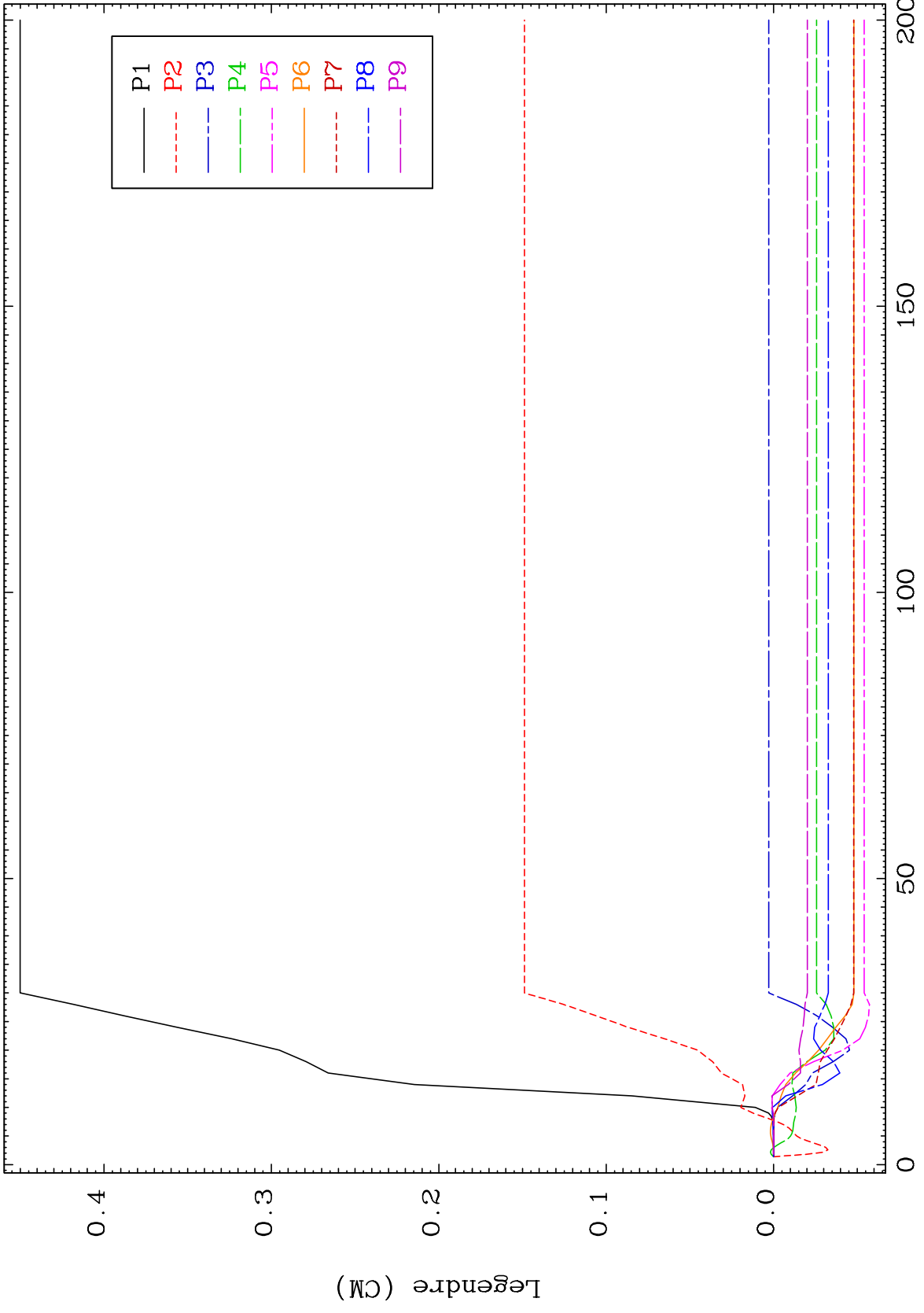
50-Sn-133

Legendre Coefficients



20 50 100 150 200 Incident Energy (MeV) 50-Sn-133

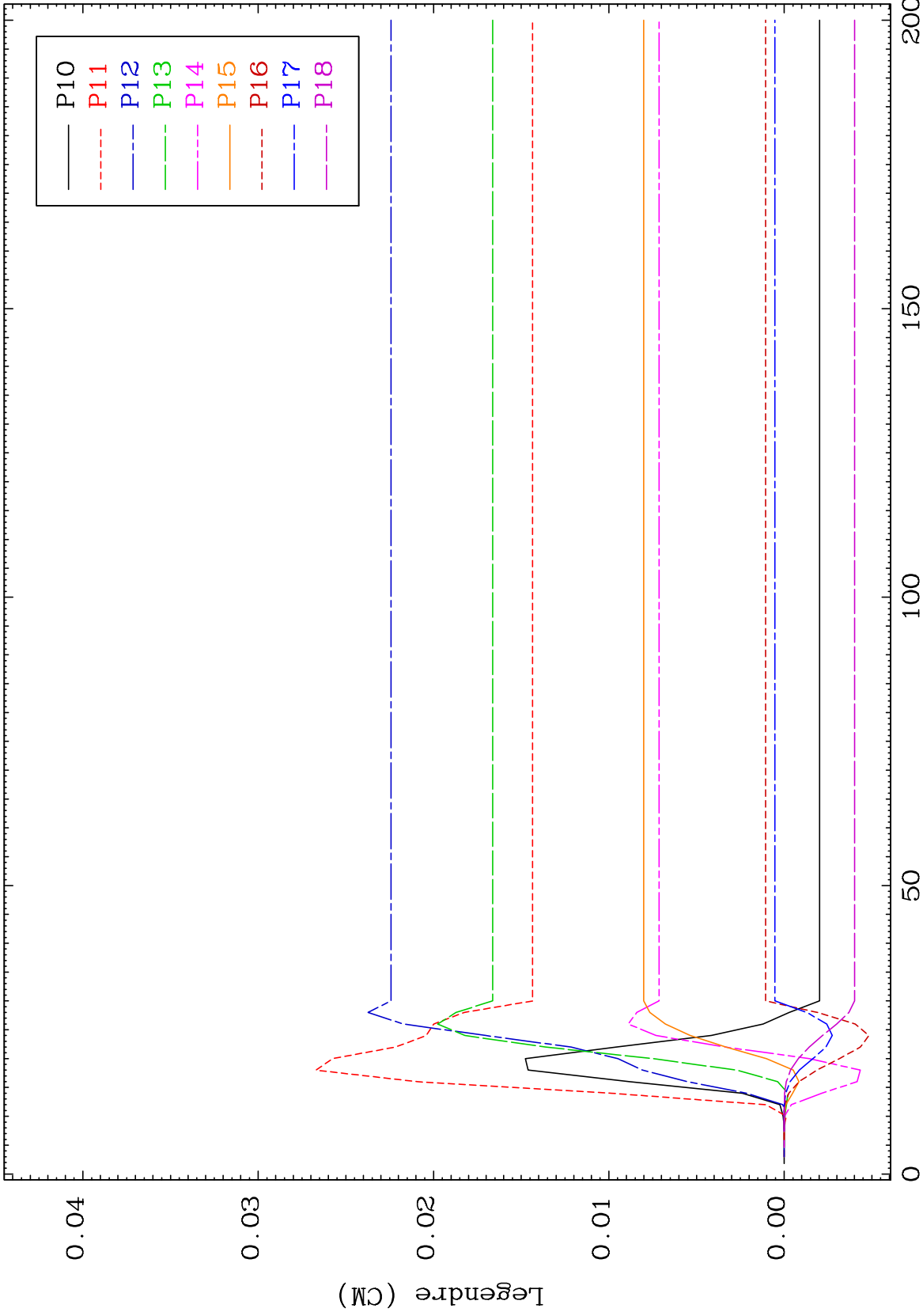
MAT 5088 MT= 52 (n,n') Level Legendre Coefficients 50-Sn-133



MAT 5088

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

50-Sn-133



22

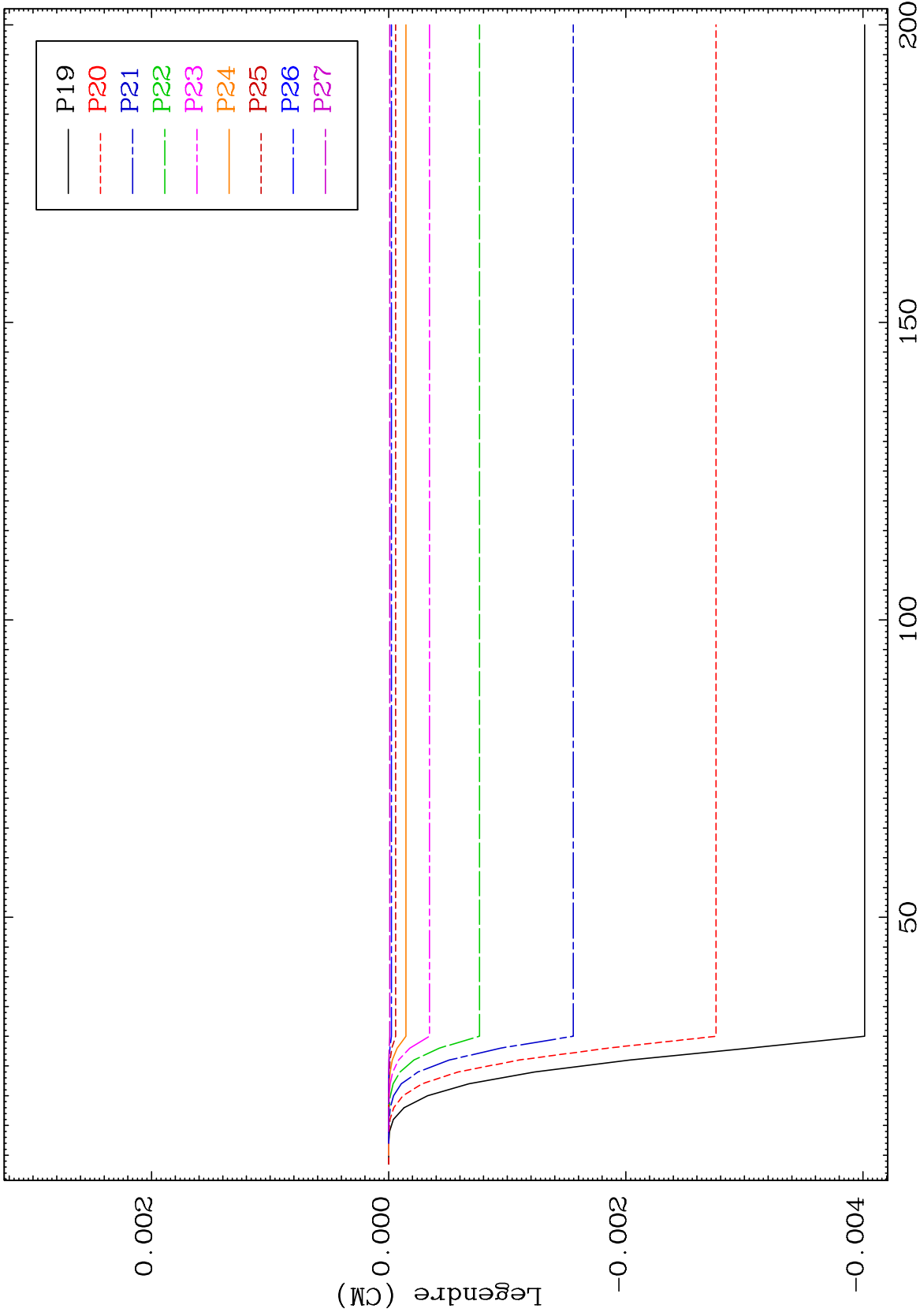
Incident Energy (MeV)

50-Sn-133

MAT 5088

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

50-Sn-133

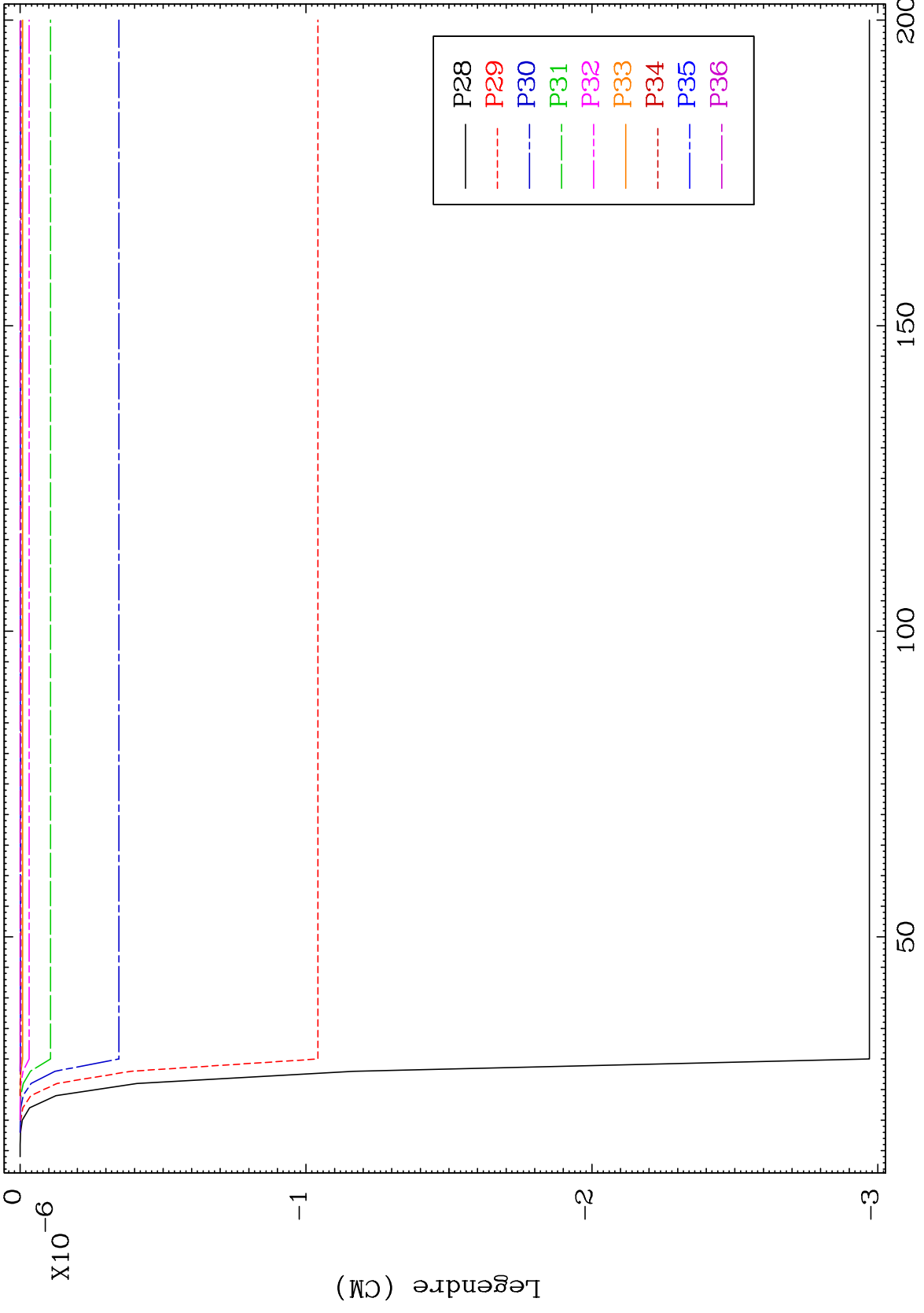


23

Incident Energy (MeV)

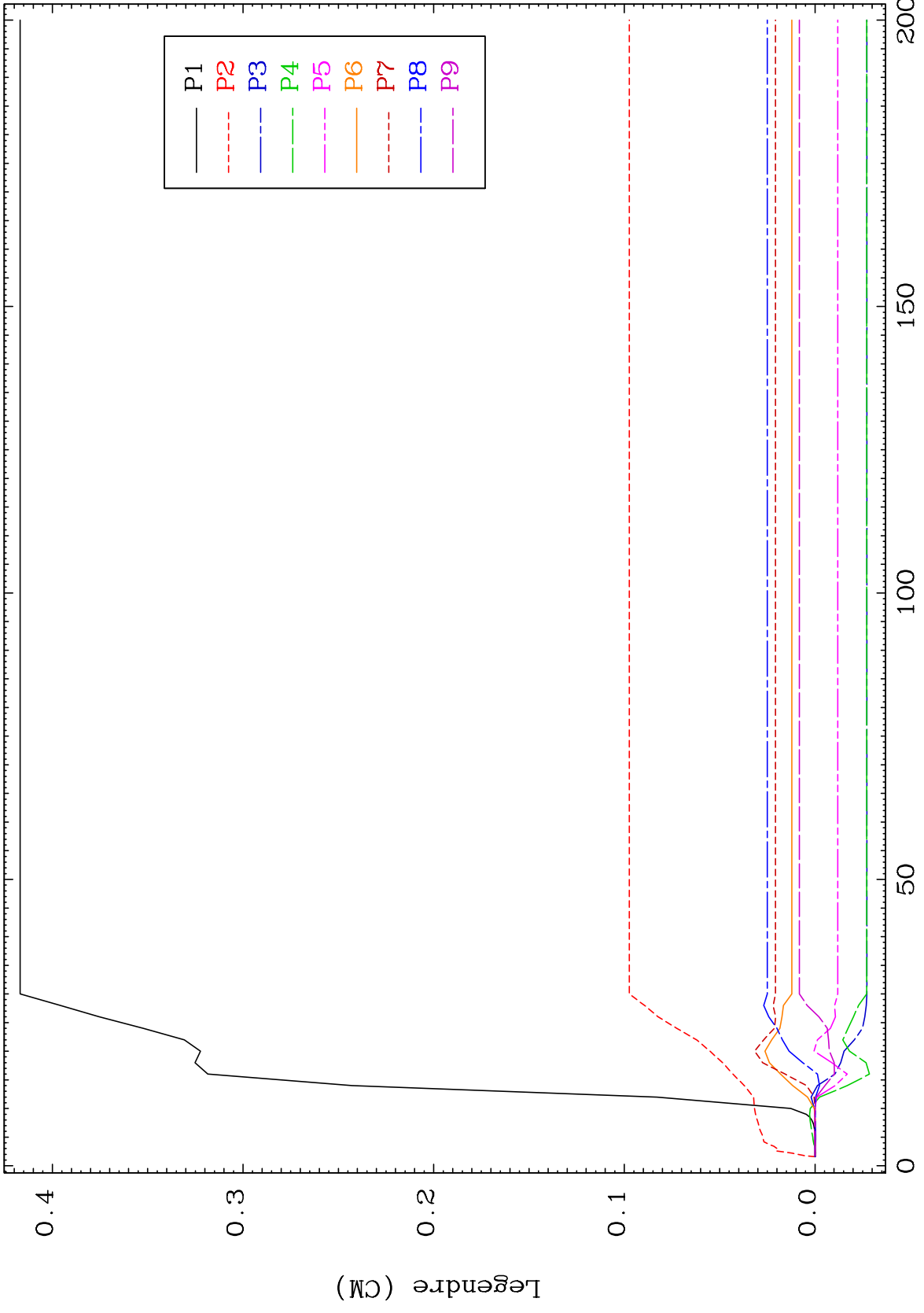
50-Sn-133

MAT 5088 MT= 52 (n,n') Level Legendre Coefficients 50-Sn-133



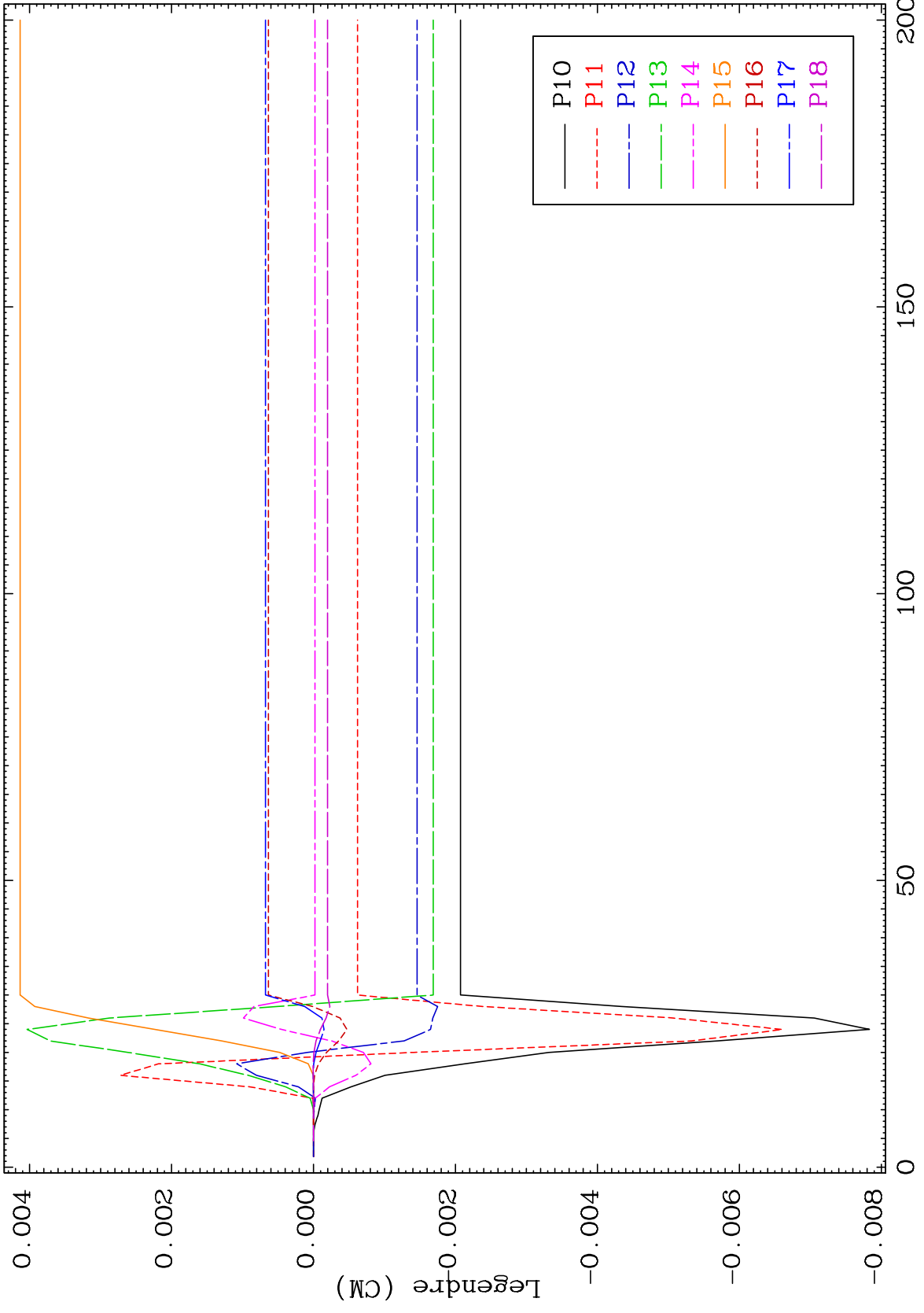
24 Incident Energy (MeV) 50-Sn-133

MAT 5088 MT= 53 (n,n') Level Legendre Coefficients 50-Sn-133



25 50 100 150 200 50-Sn-133

MAT 5088 MT= 53 (n,n') Level Legendre Coefficients 50-Sn-133

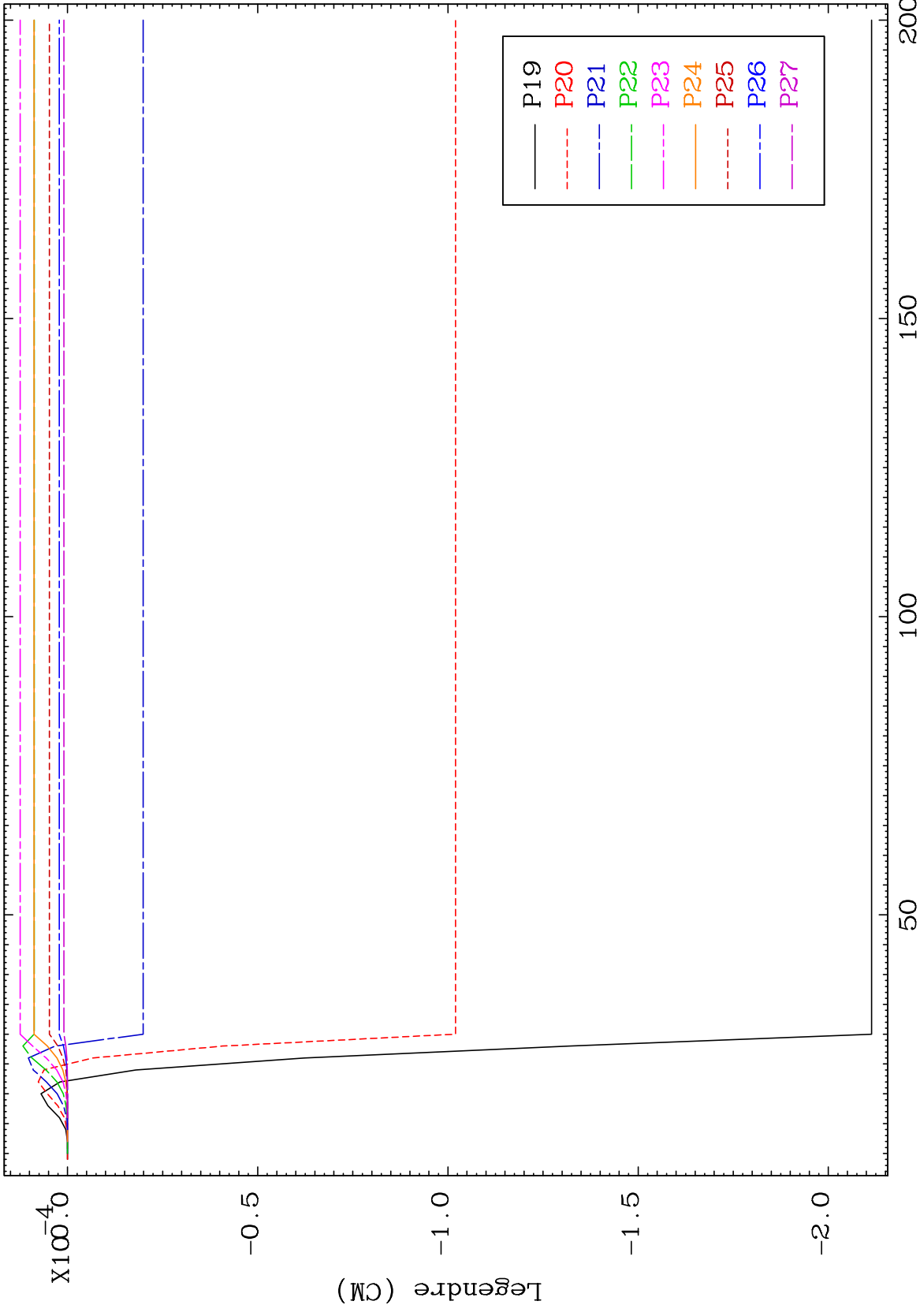


26 50-Sn-133

MAT 5088

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

50-Sn-133



50-Sn-133

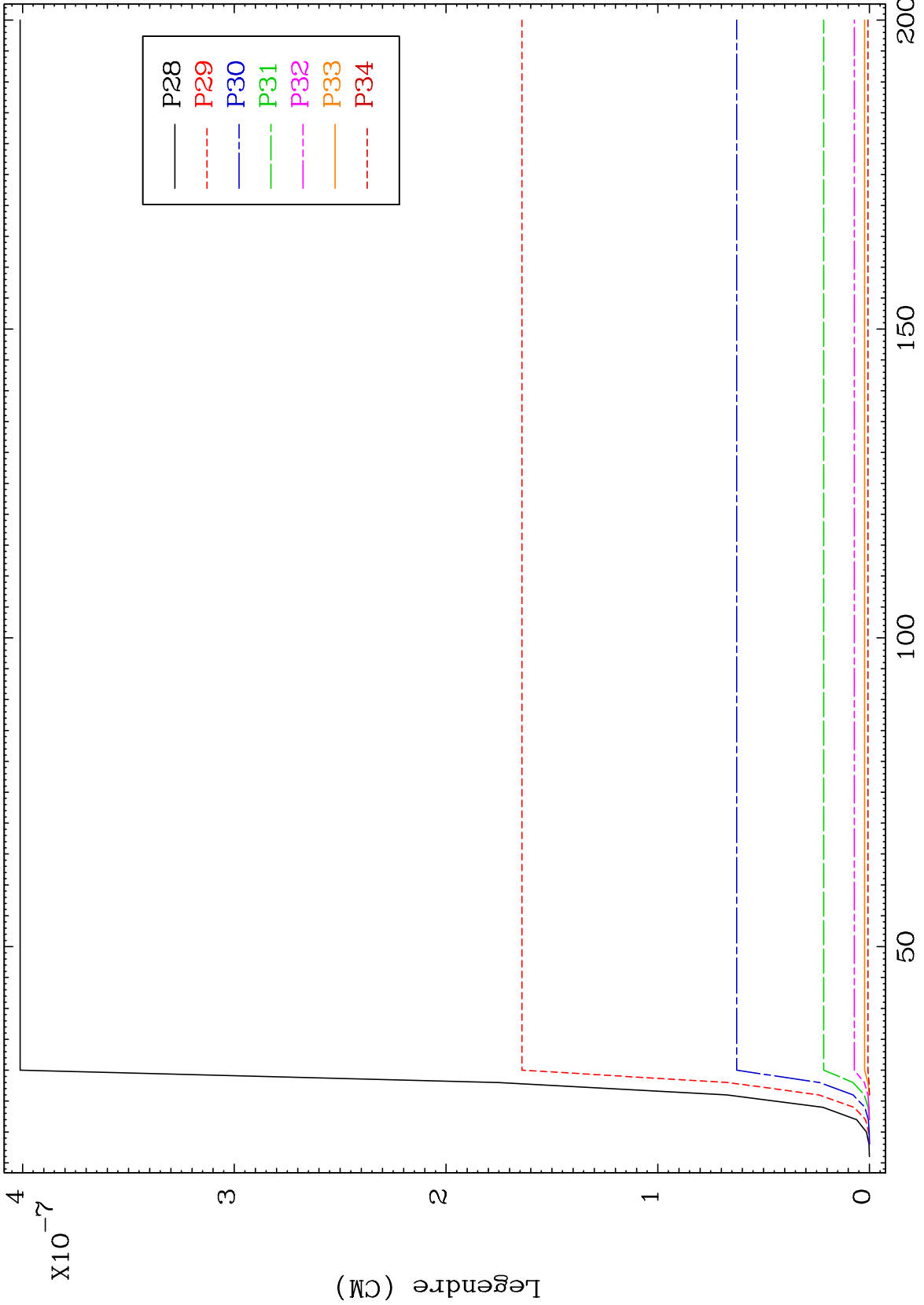
Incident Energy (MeV)

27

MAT 5088

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

50-Sn-133



28

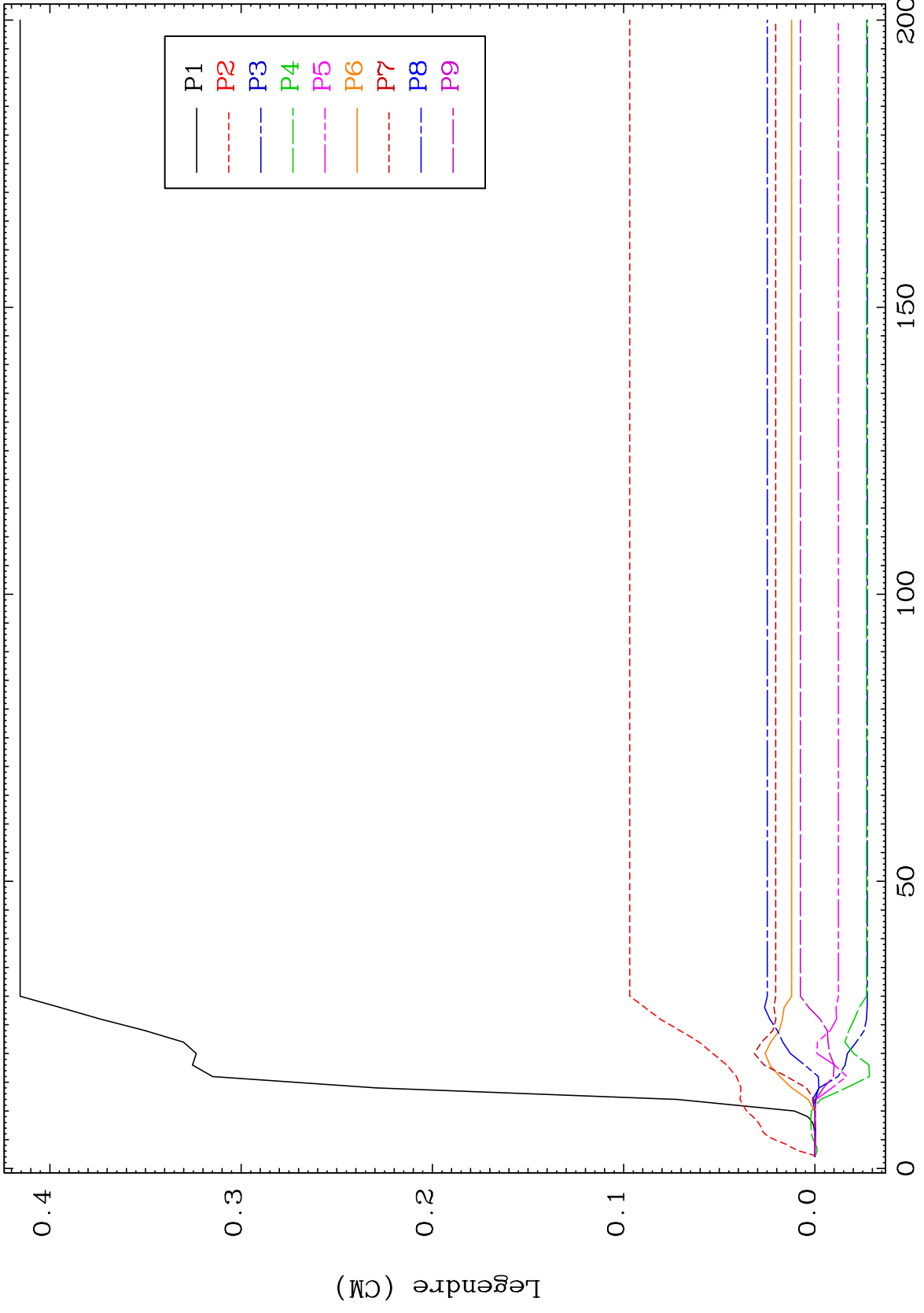
Incident Energy (MeV)

50-Sn-133

MAT 5088

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

50-Sn-133

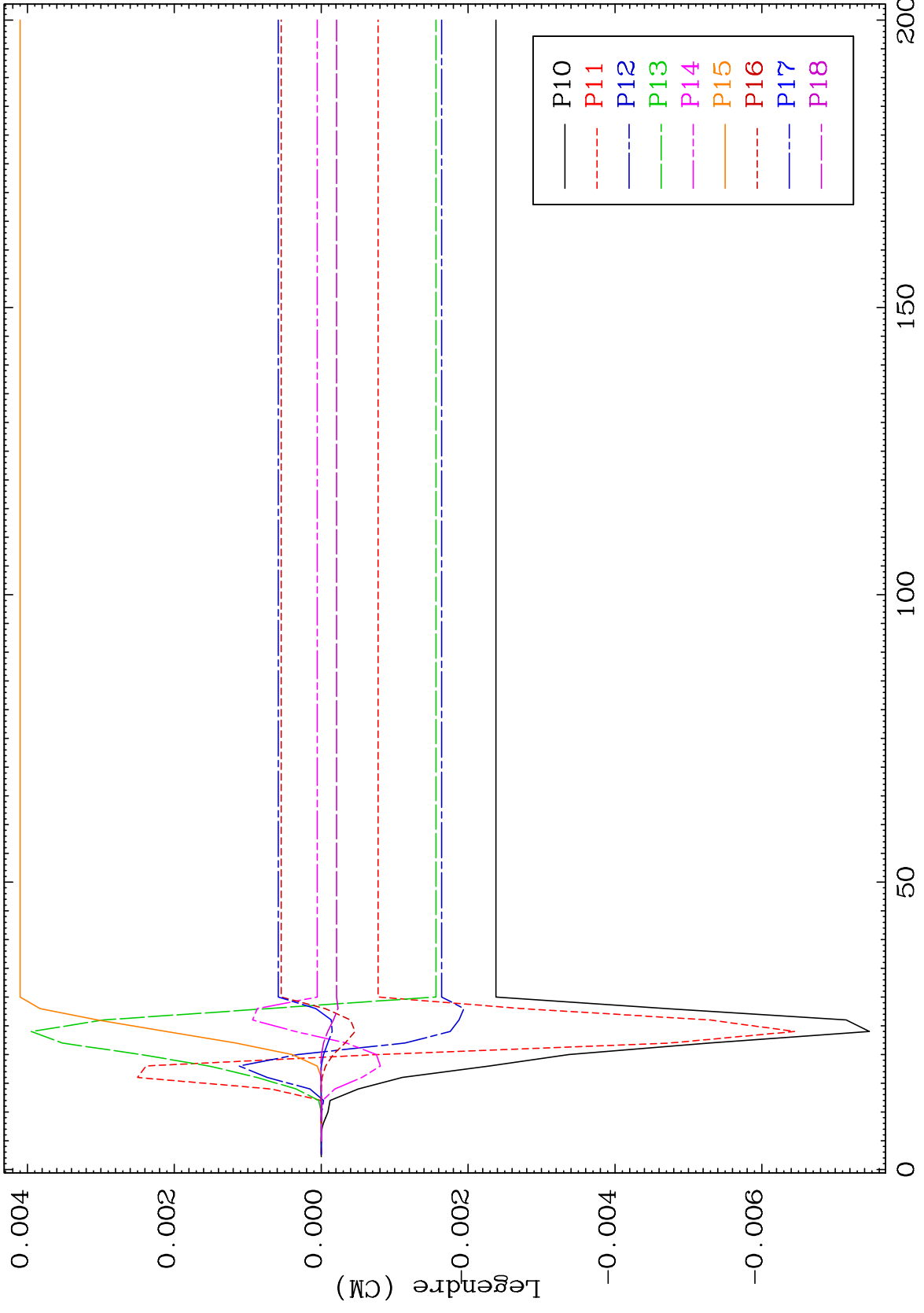


29

Incident Energy (MeV)

50-Sn-133

MAT 5088 MT= 54 (n,n') Level Legendre Coefficients 50-Sn-133

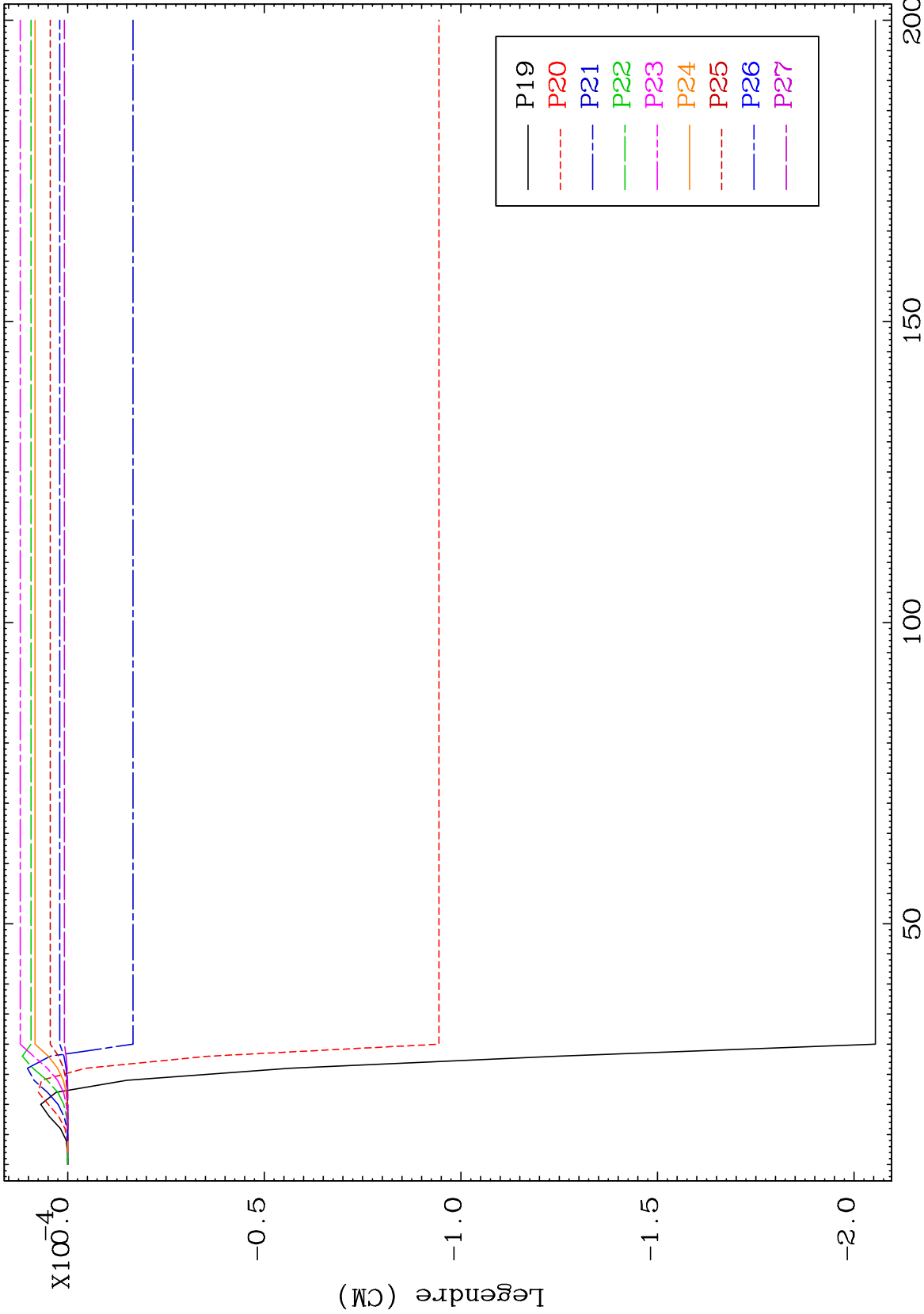


30 Incident Energy (MeV) 50-Sn-133

MAT 5088

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

50-Sn-133



50-Sn-133

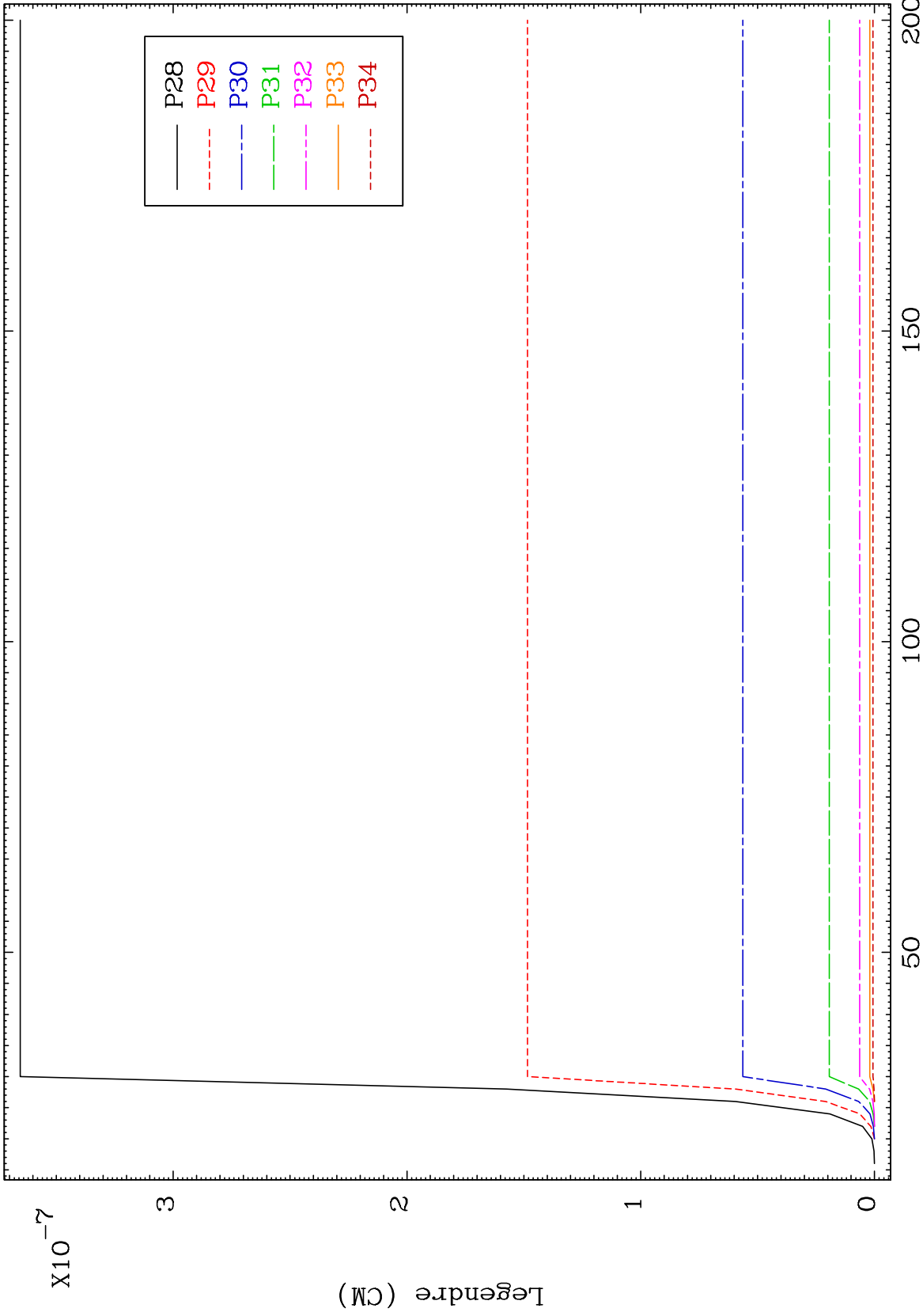
Incident Energy (MeV)

31

MAT 5088

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

50-Sn-133

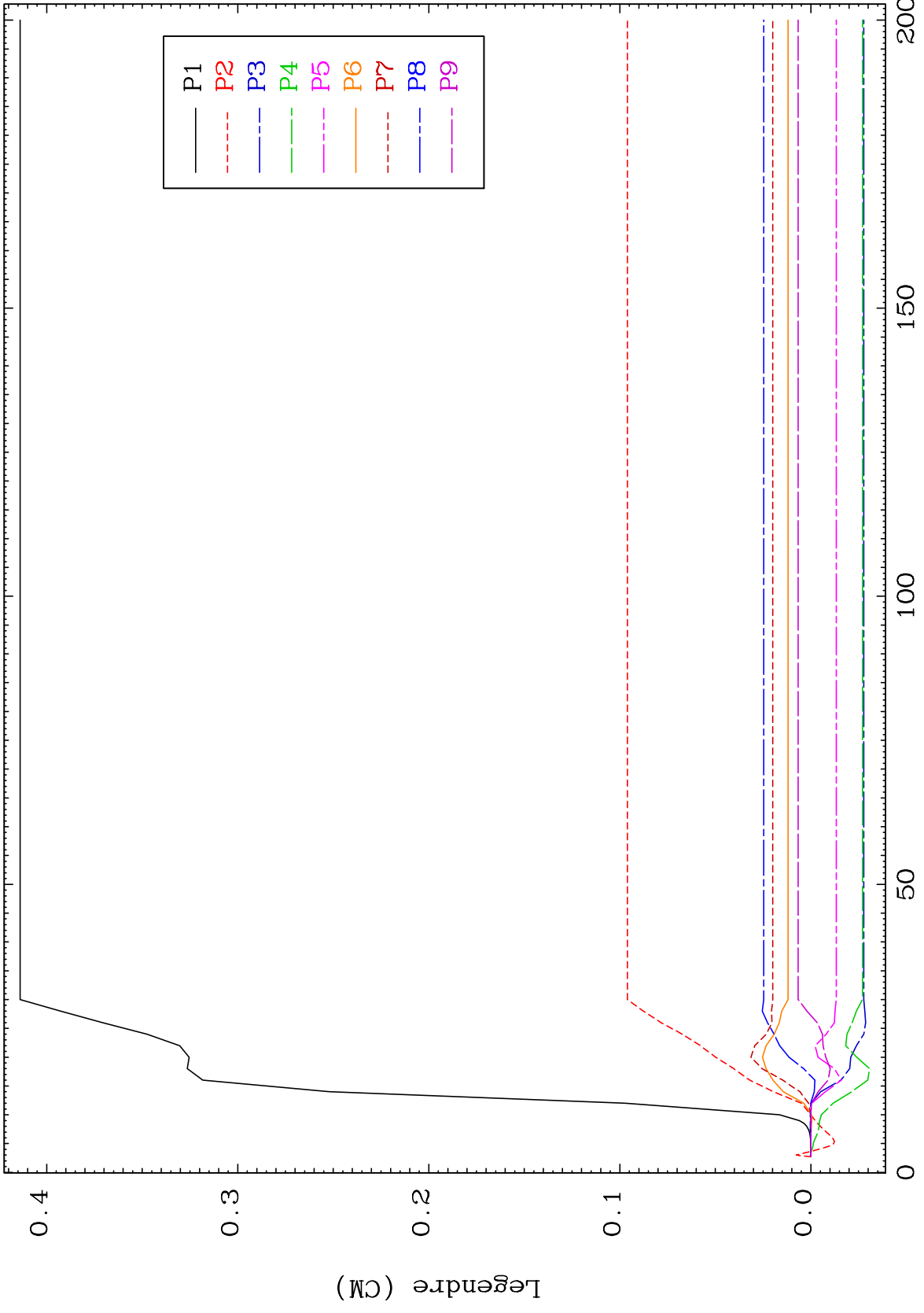


32

Incident Energy (MeV)

50-Sn-133

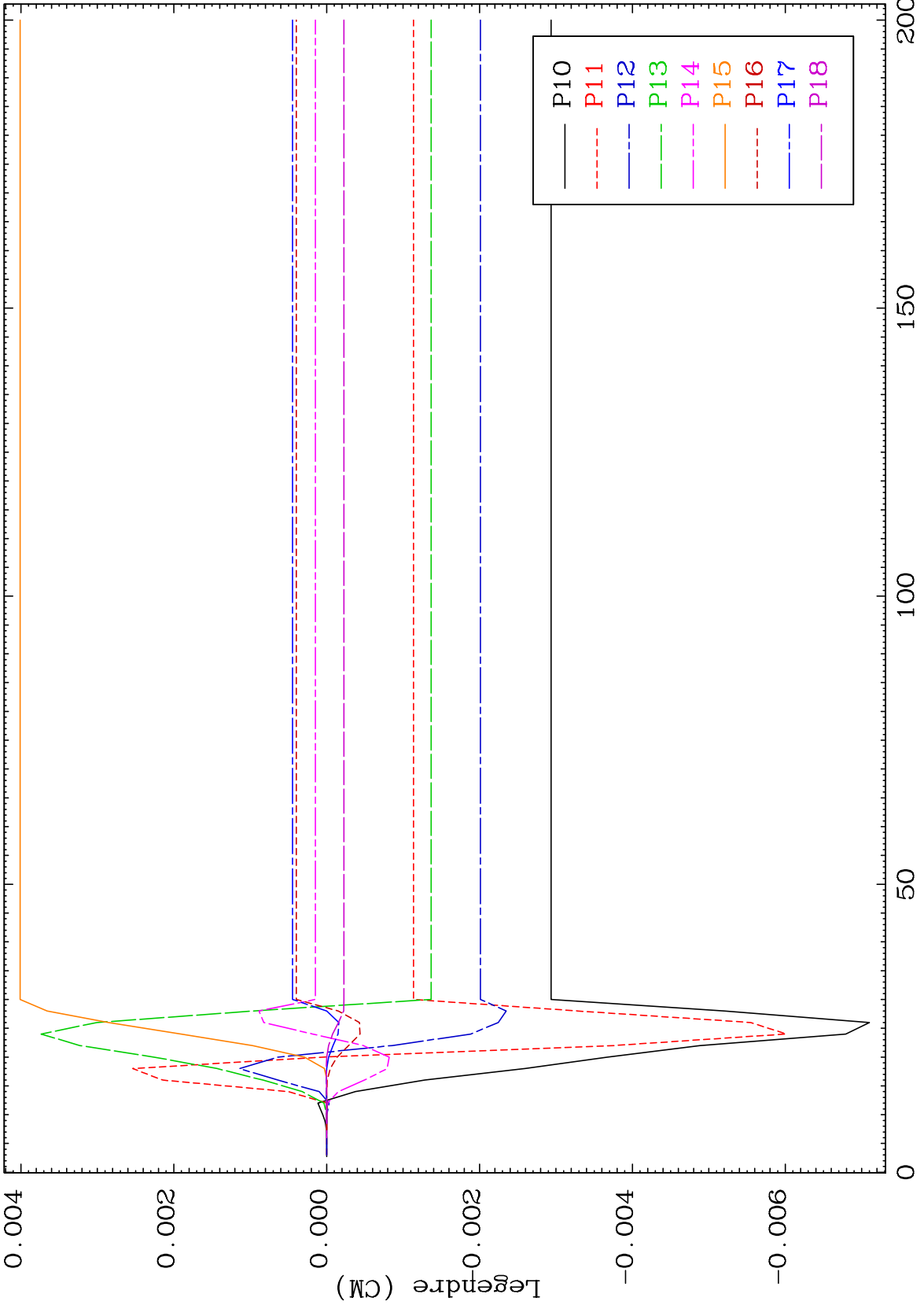
MAT 5088 MT= 55 (n,n') Level Legendre Coefficients 50-Sn-133



33 Incident Energy (MeV) 50-Sn-133

MAT 5088 MT= 55 (n,n') Level Legendre Coefficients

50-Sn-133

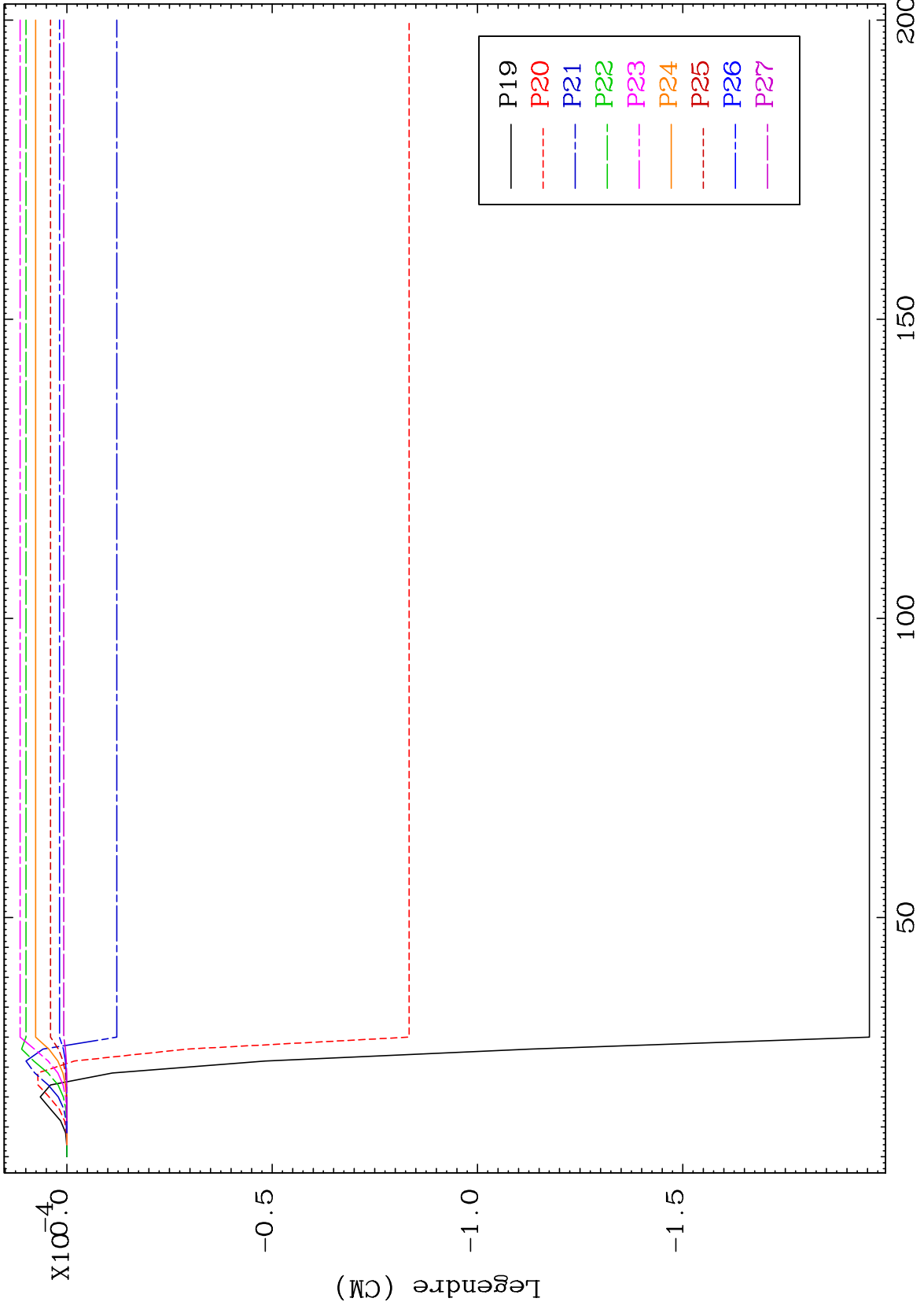


50-Sn-133

Incident Energy (MeV)

34

MAT 5088 MT= 55 (n,n') Level Legendre Coefficients 50-Sn-133

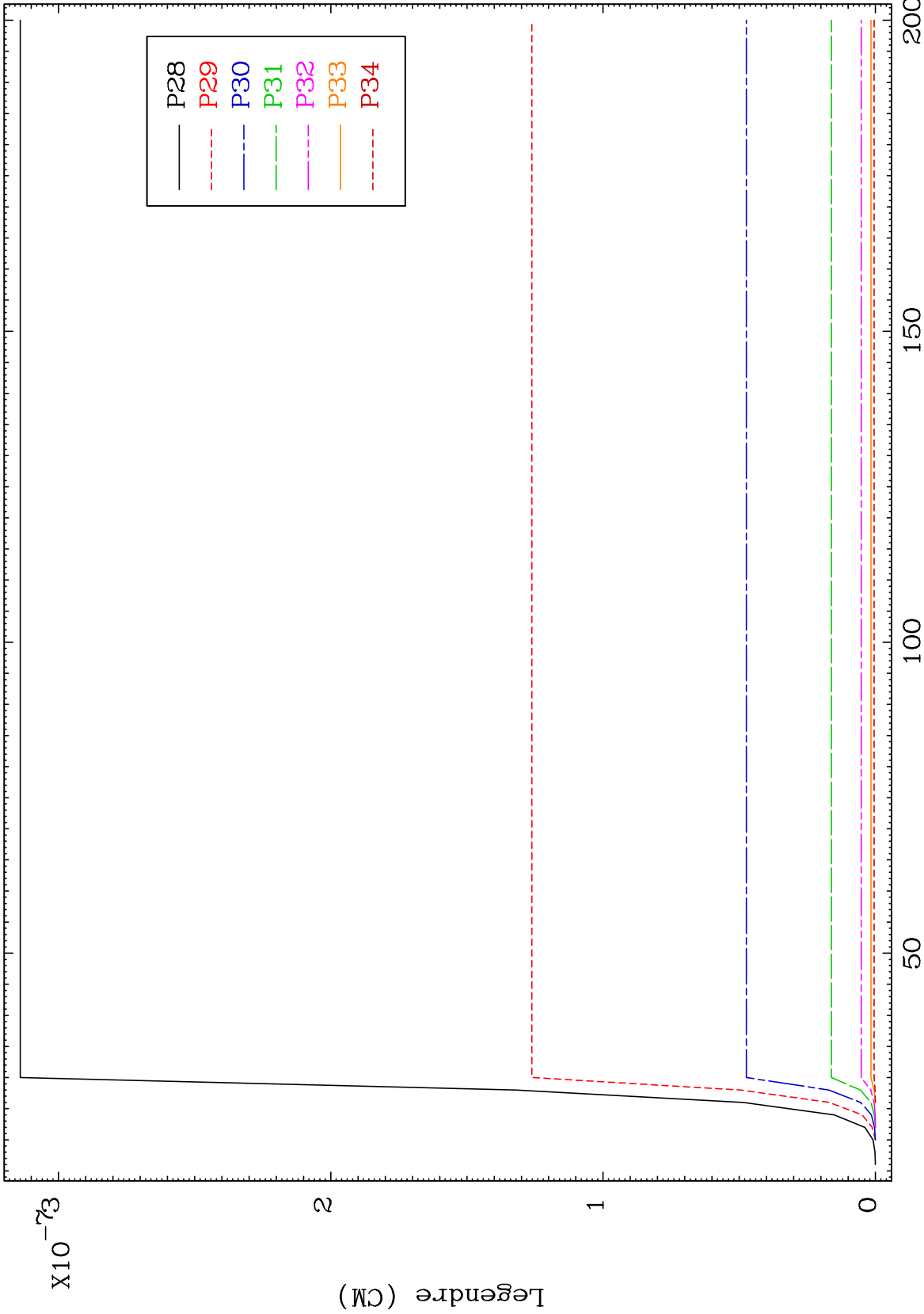


35 Incident Energy (MeV) 50-Sn-133

MAT 5088

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

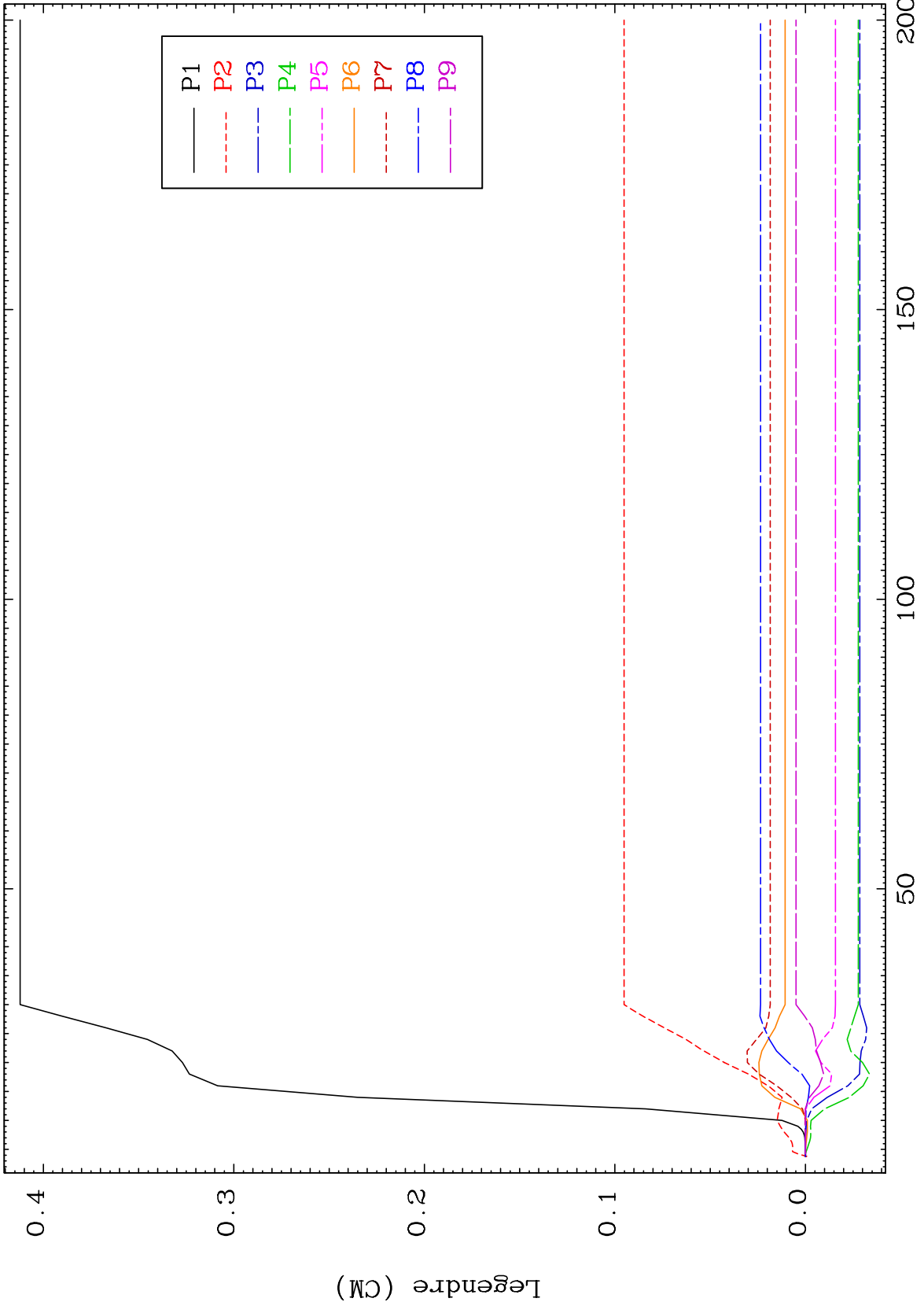
50-Sn-133



36

50-Sn-133

MAT 5088 MT= 56 (n,n') Level Legendre Coefficients 50-Sn-133

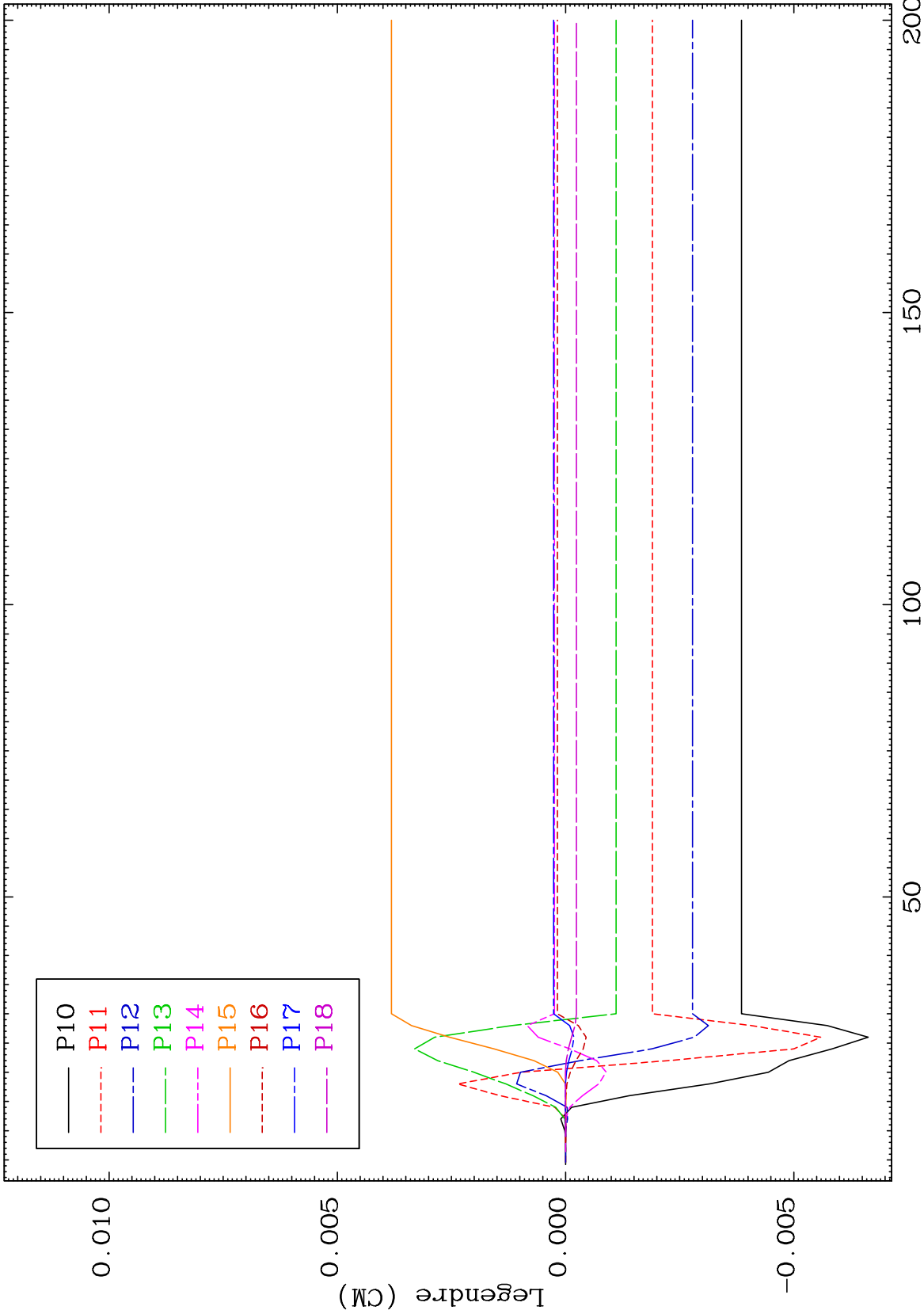


37 Incident Energy (MeV) 50-Sn-133

MAT 5088

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

50-Sn-133



38

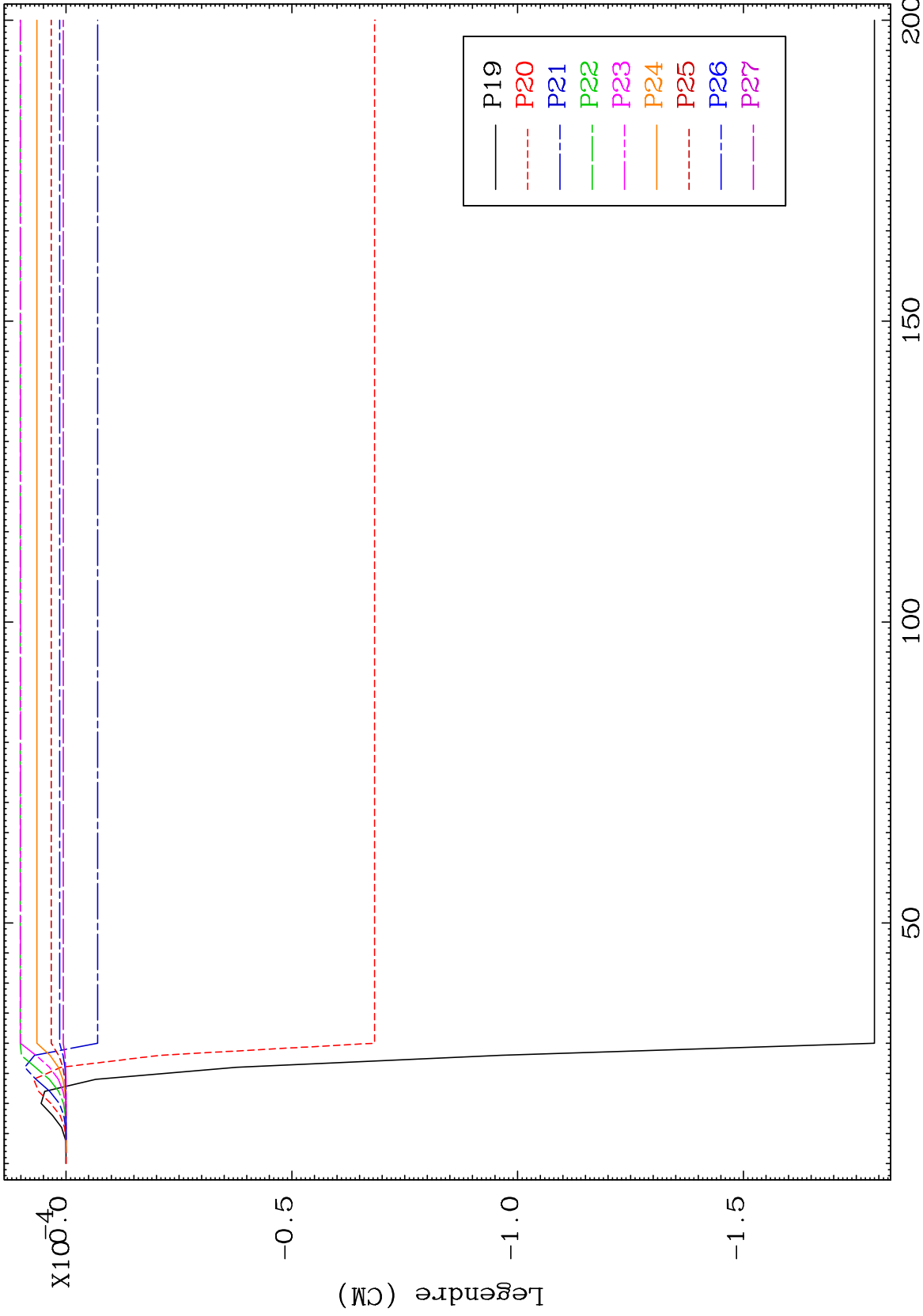
Incident Energy (MeV)

50-Sn-133

MAT 5088

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

50-Sn-133

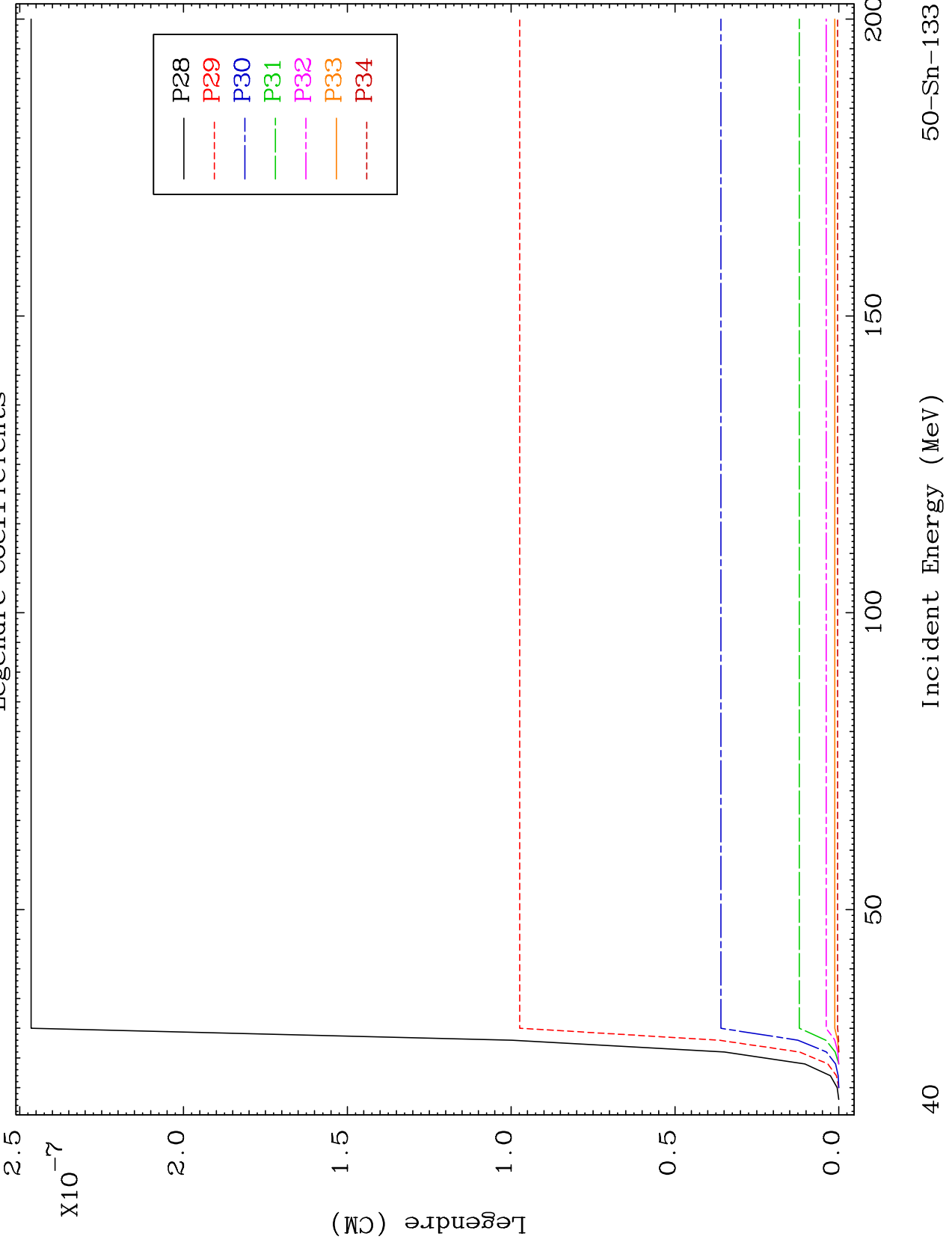


50-Sn-133

Incident Energy (MeV)

39

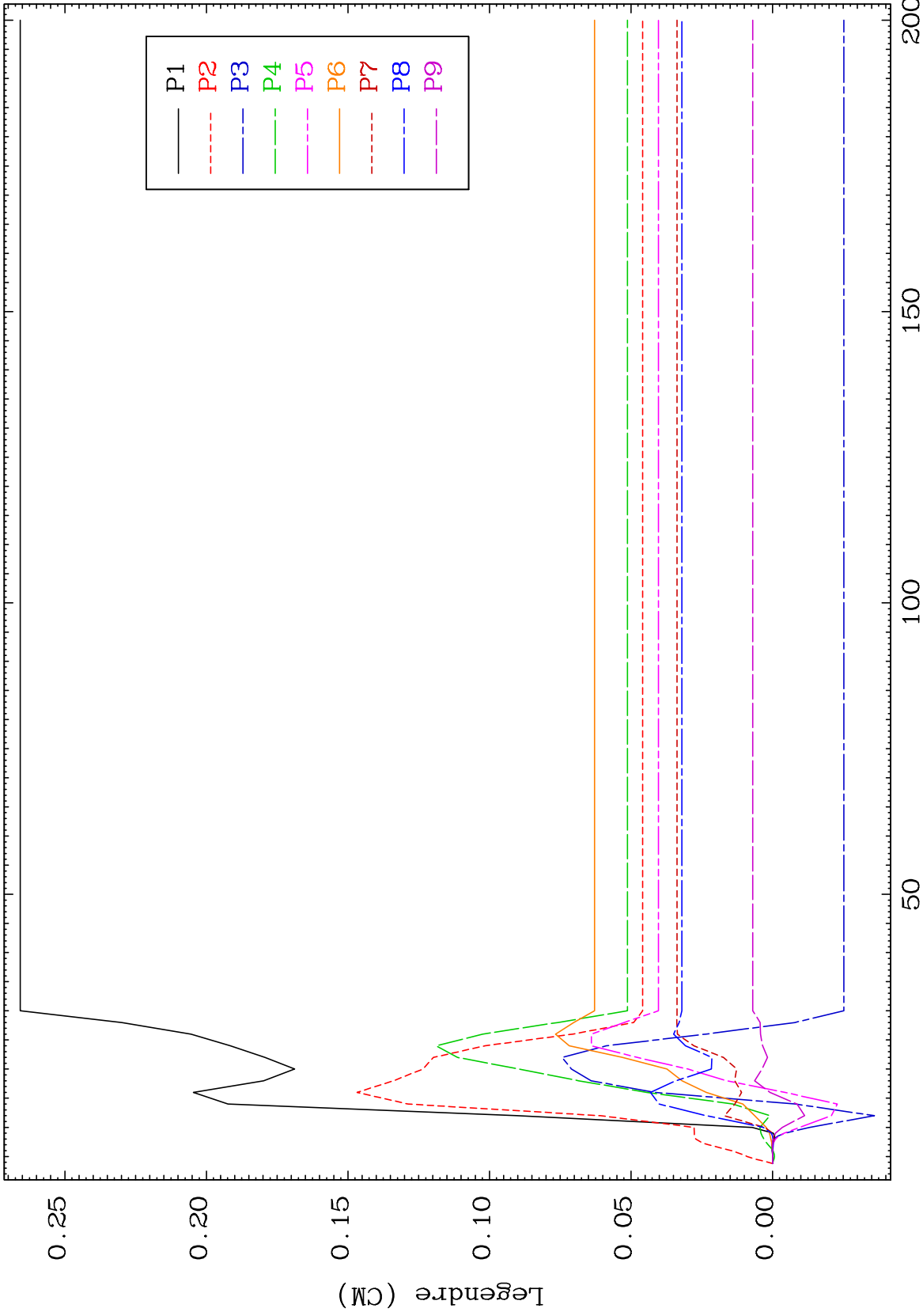
MAT 5088 MT= 56 (n,n') Level Legendre Coefficients 50-Sn-133



MAT 5088

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

50-Sn-133



41

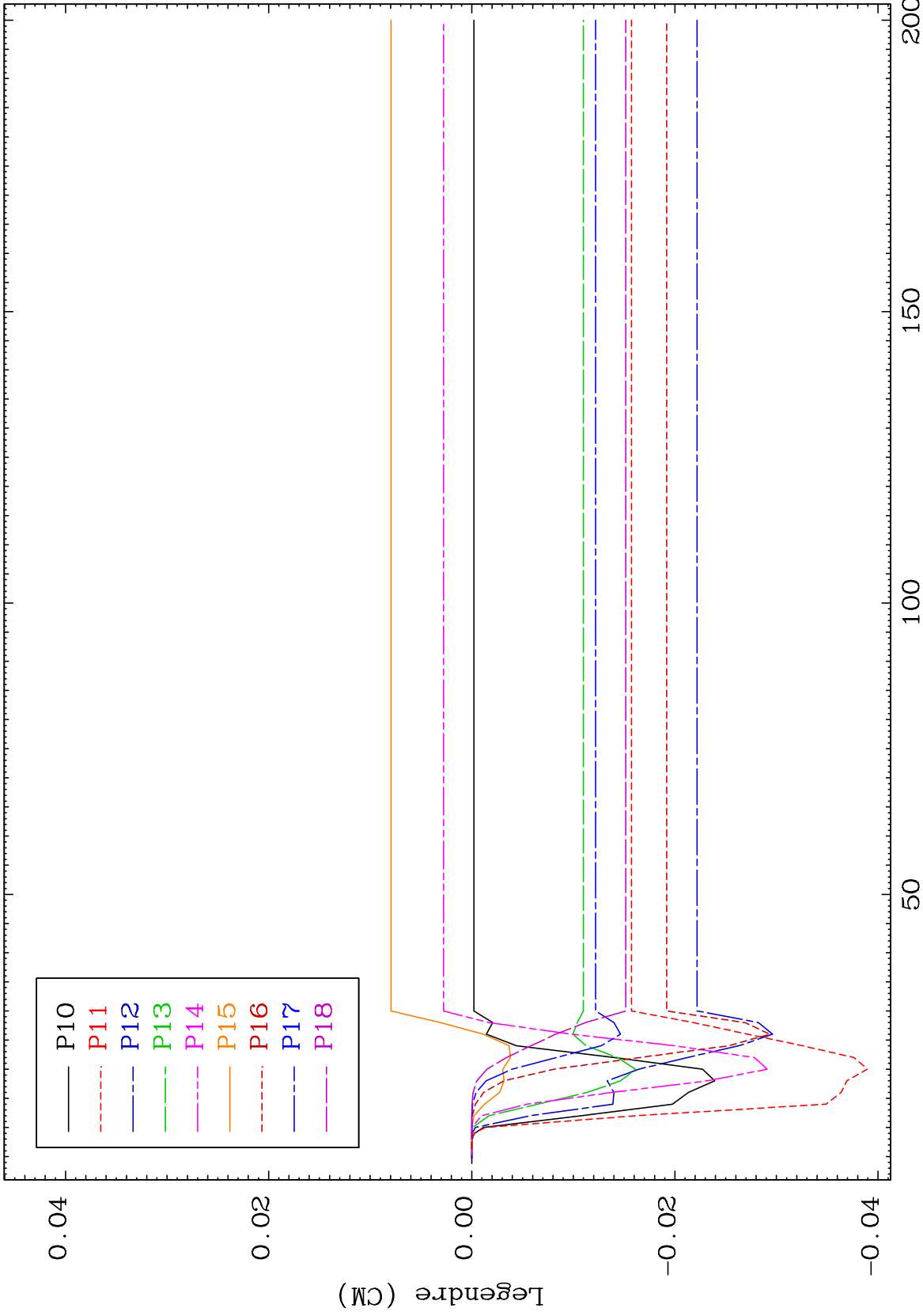
Incident Energy (MeV)

50-Sn-133

MAT 5088

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

50-Sn-133

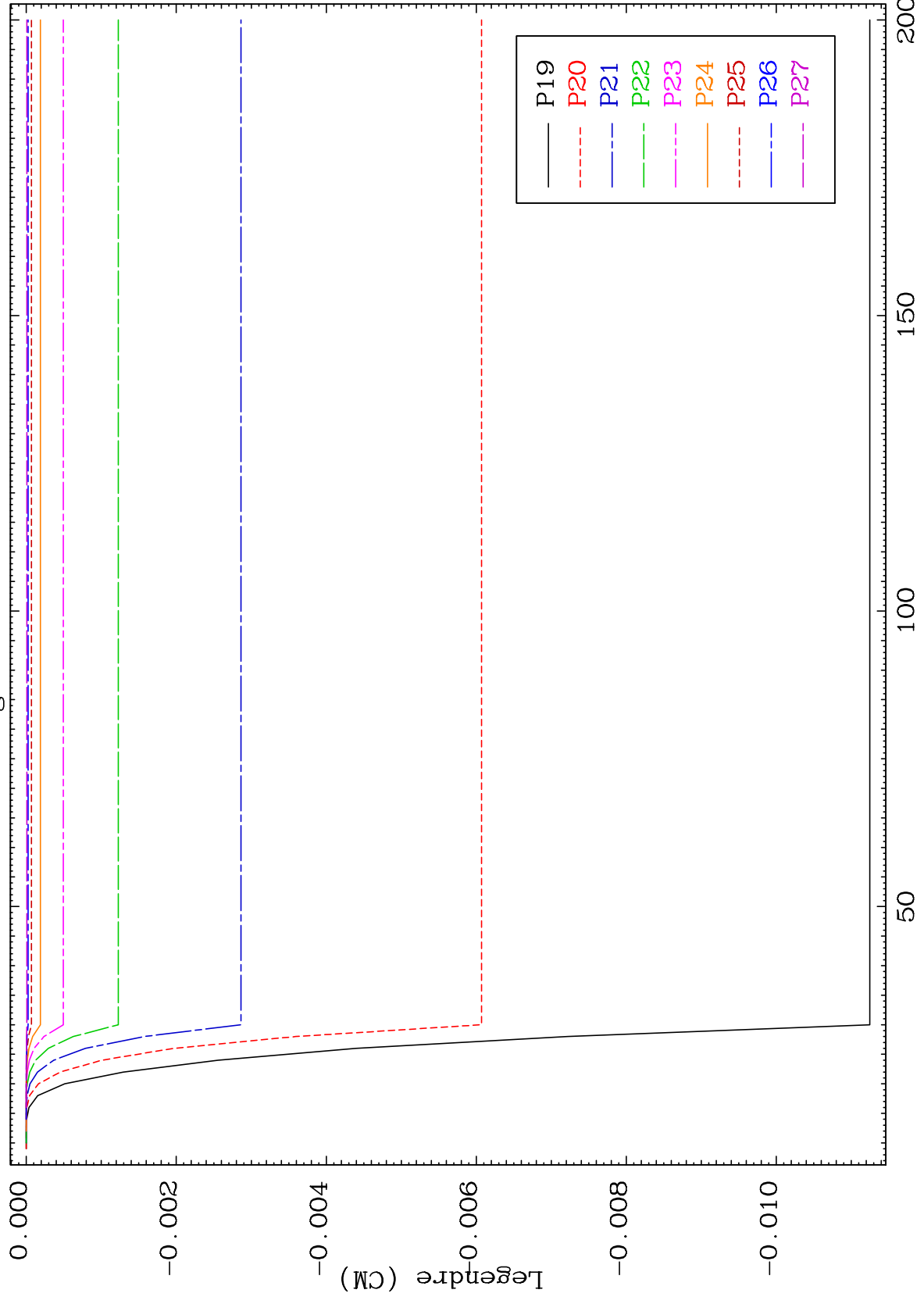


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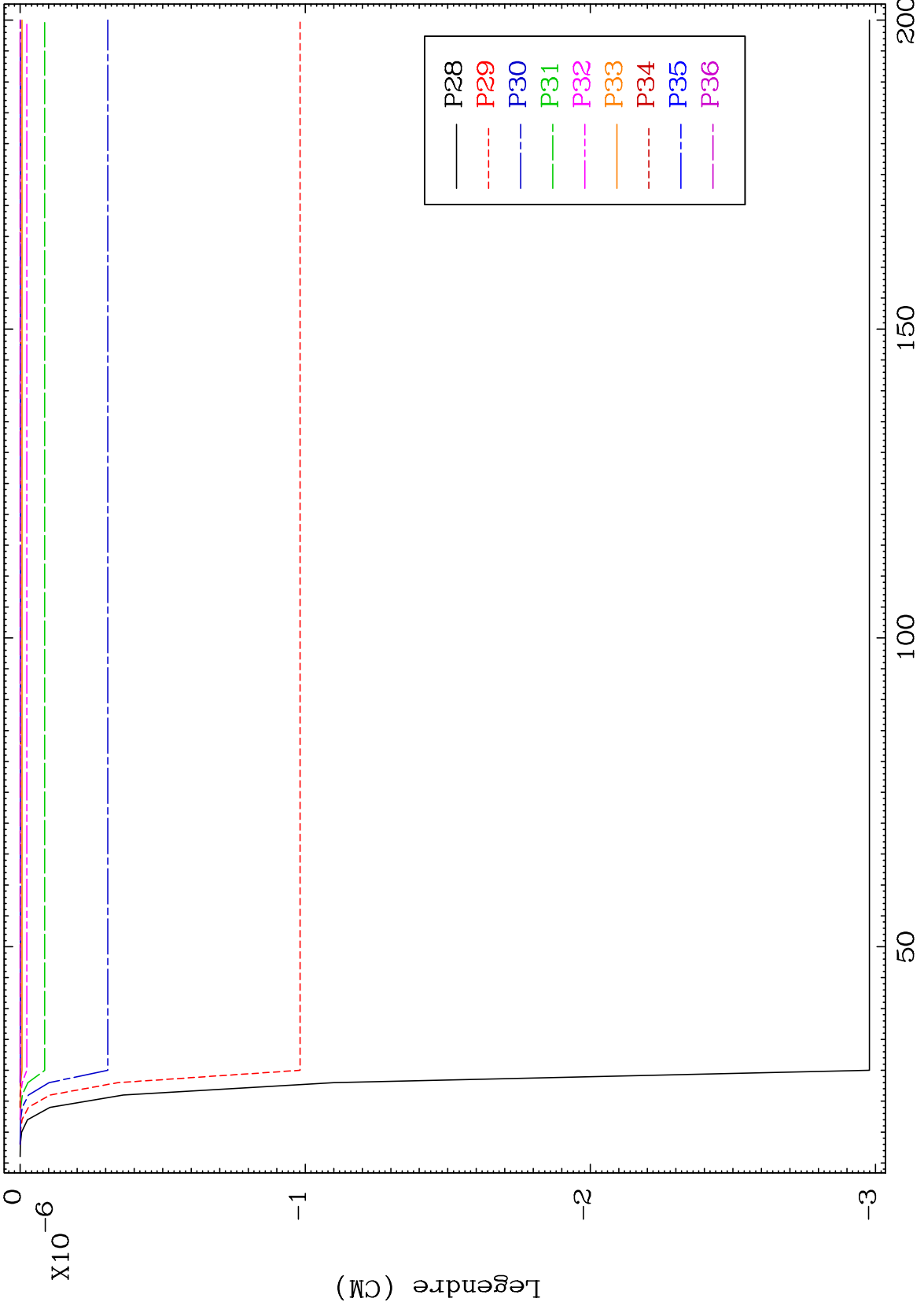
Incident Energy (MeV)

50-Sn-133

MAT 5088 MT= 57 (n,n') Level Legendre Coefficients 50-Sn-133



MAT 5088 MT= 57 (n,n') Level Legendre Coefficients 50-Sn-133

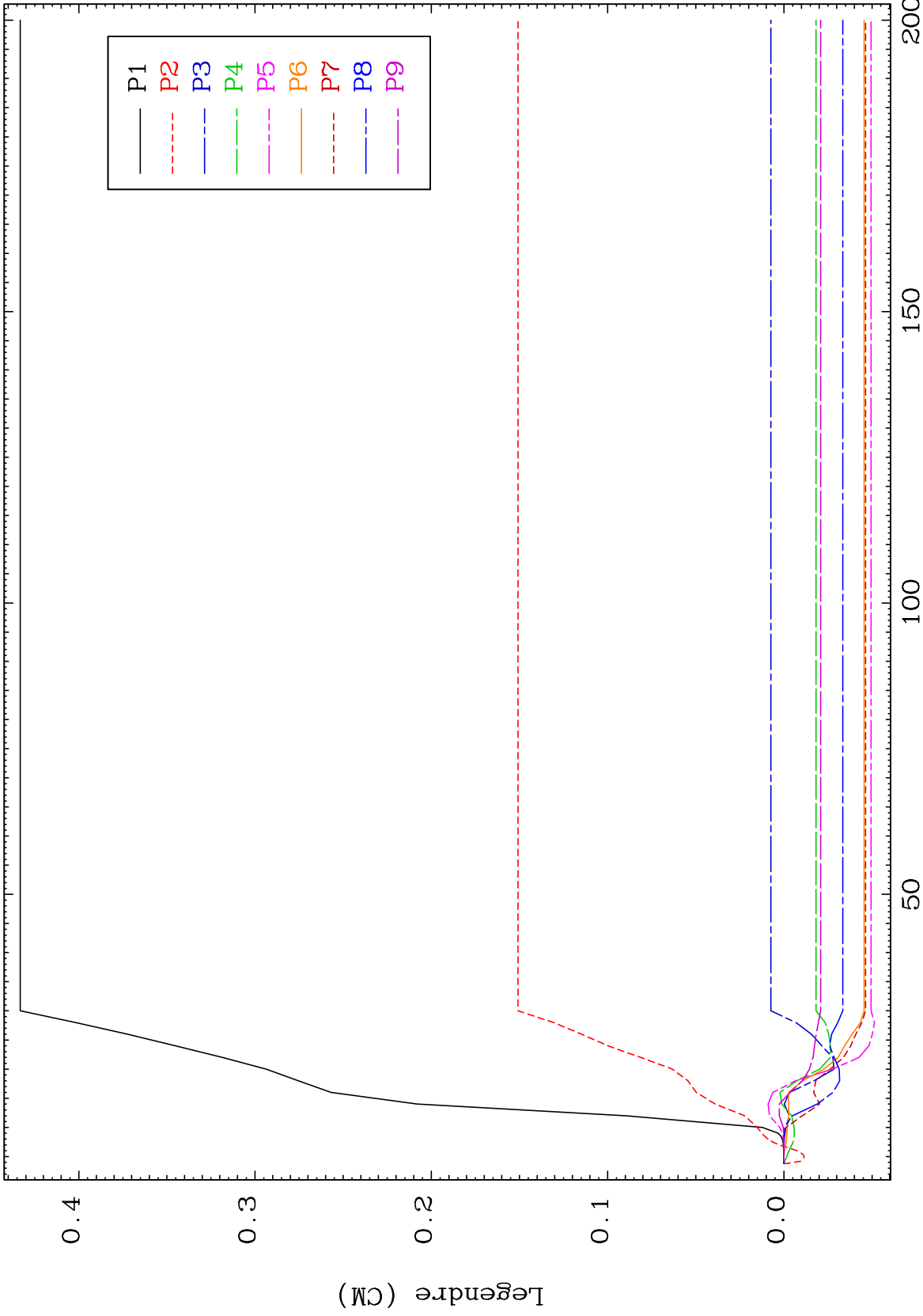


44 50-Sn-133

MAT 5088

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

50-Sn-133



45

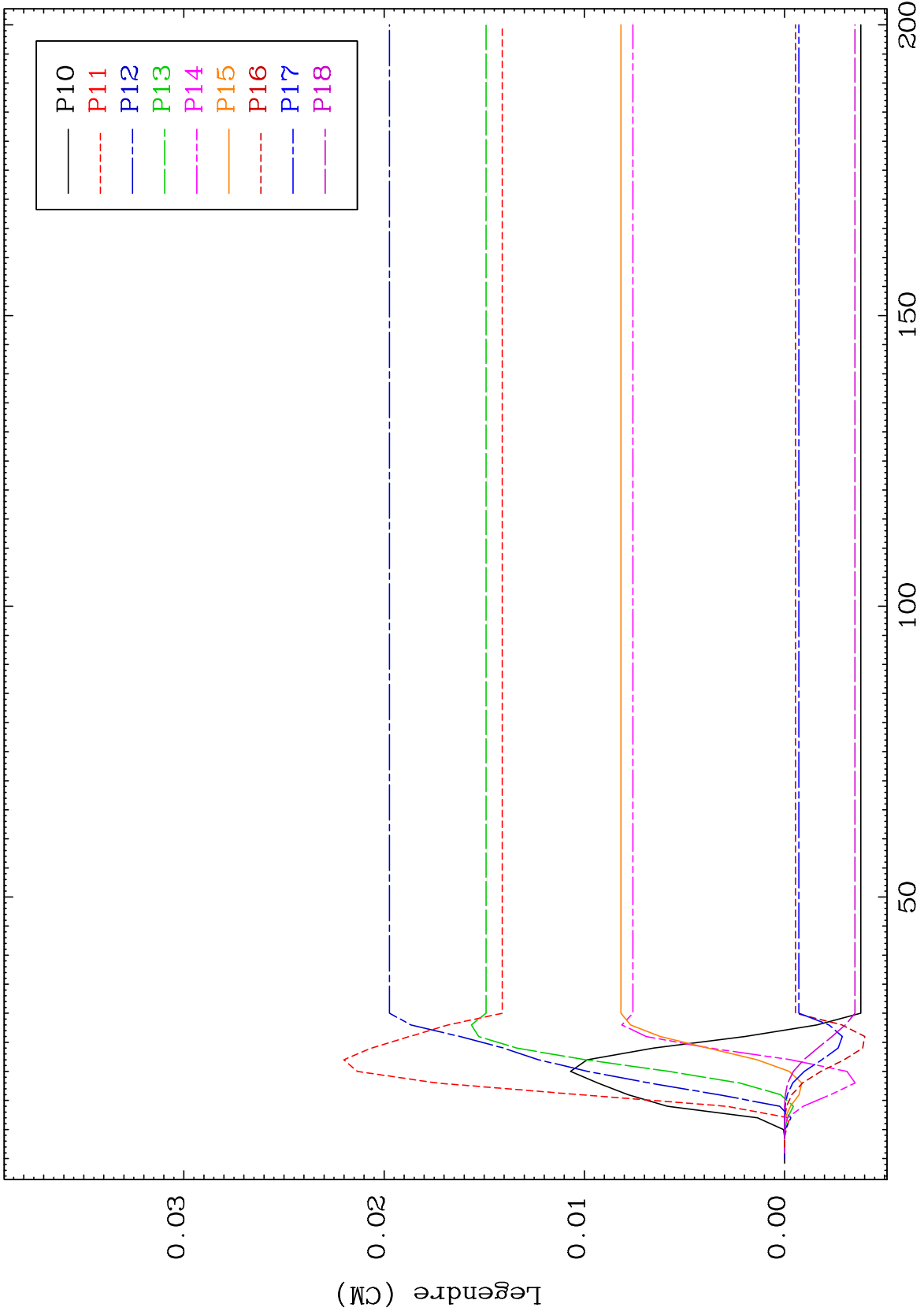
Incident Energy (MeV)

50-Sn-133

MAT 5088

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

50-Sn-133



46

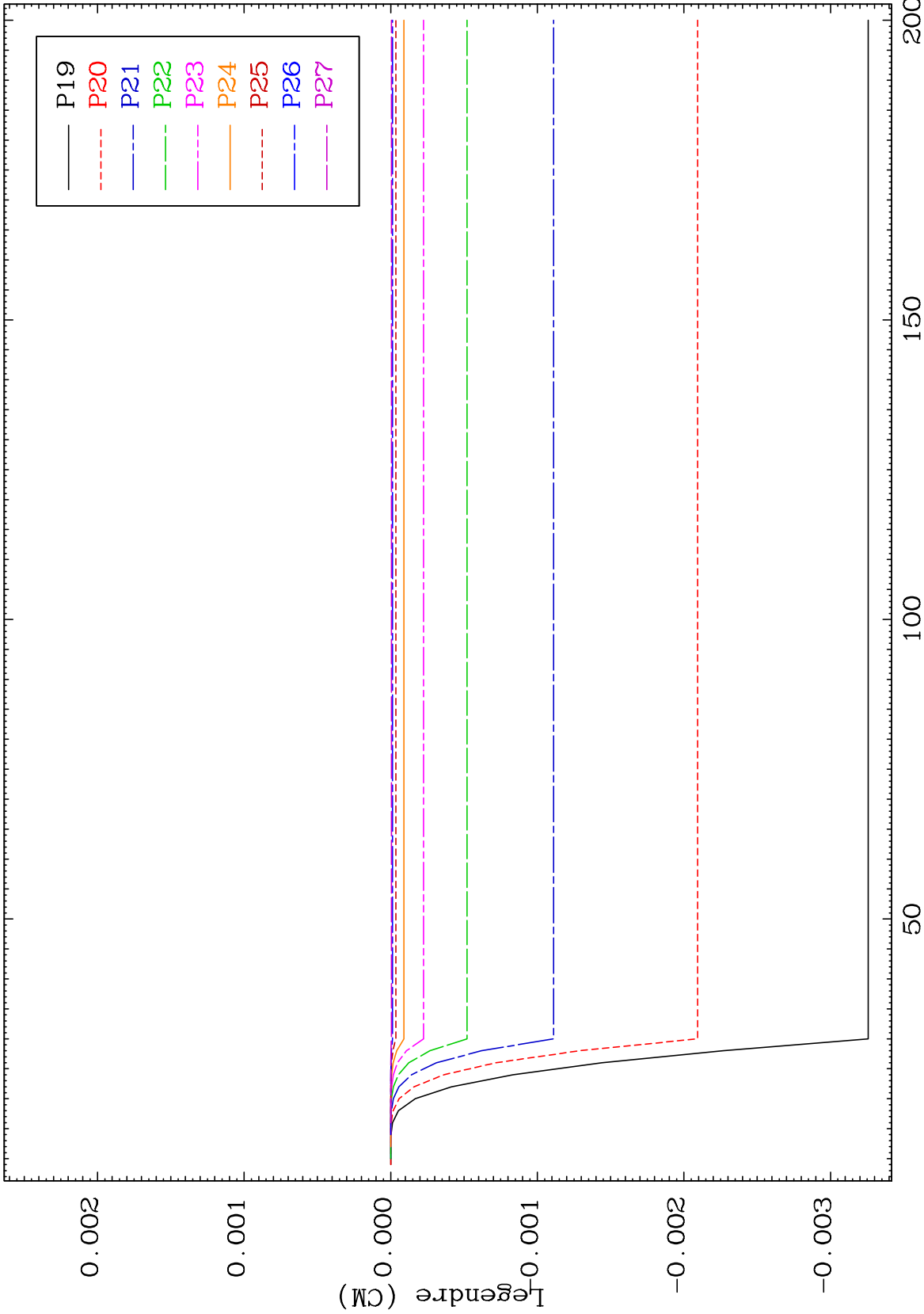
Incident Energy (MeV)

50-Sn-133

MAT 5088

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

50-Sn-133

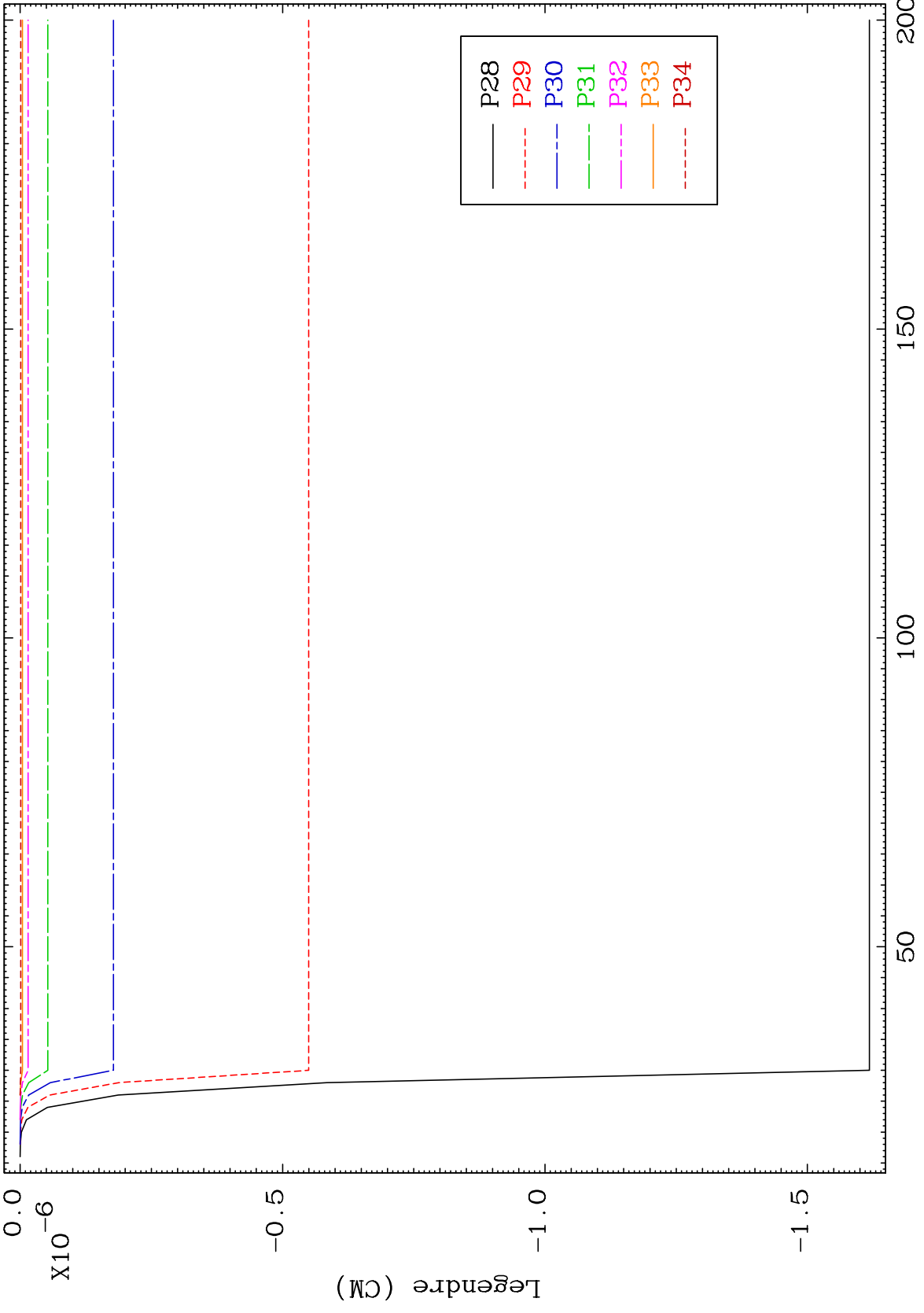


47

Incident Energy (MeV)

50-Sn-133

MAT 5088 MT= 58 (n,n') Level Legendre Coefficients 50-Sn-133

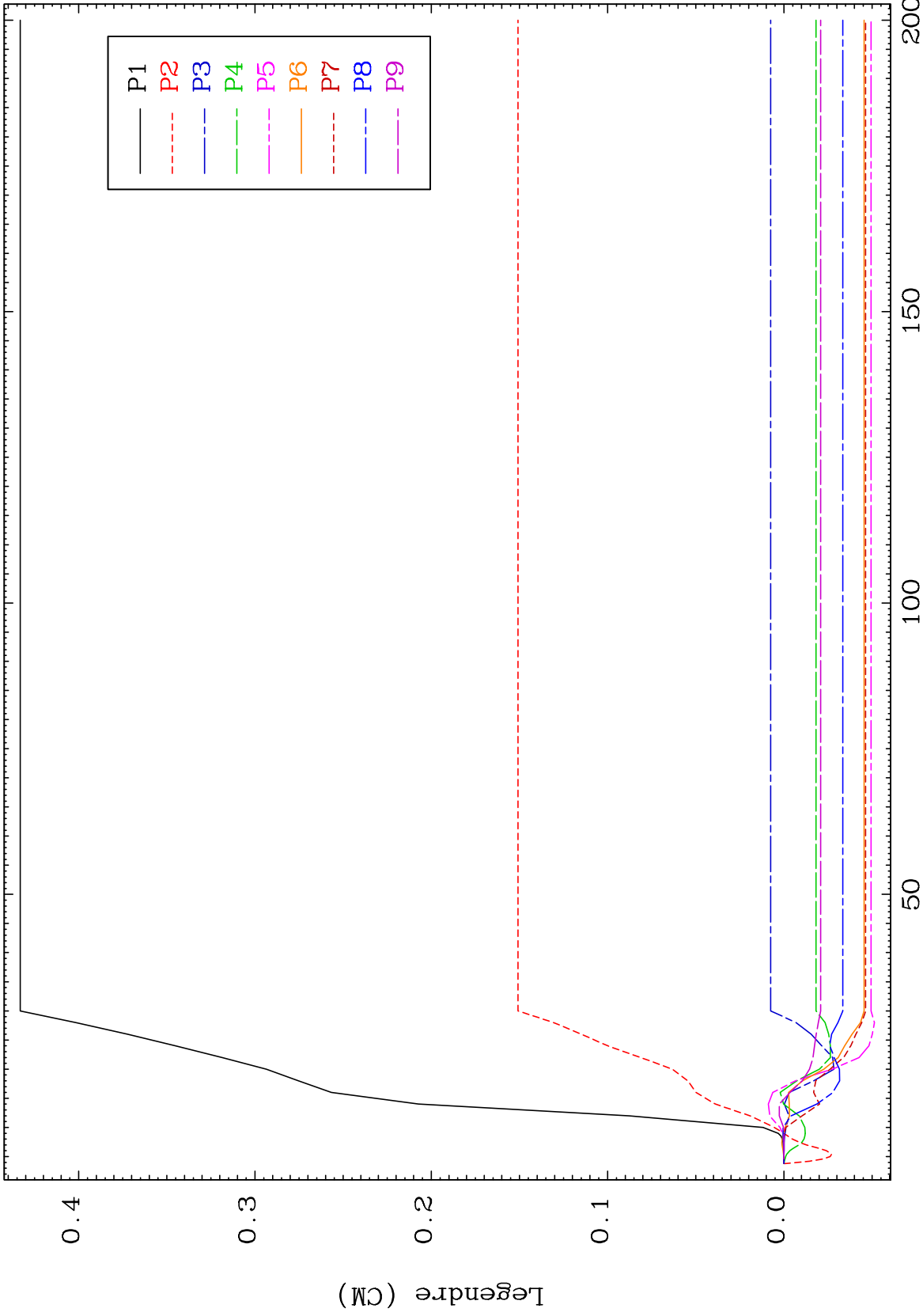


48 Incident Energy (MeV) 50-Sn-133

MAT 5088

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

50-Sn-133



49

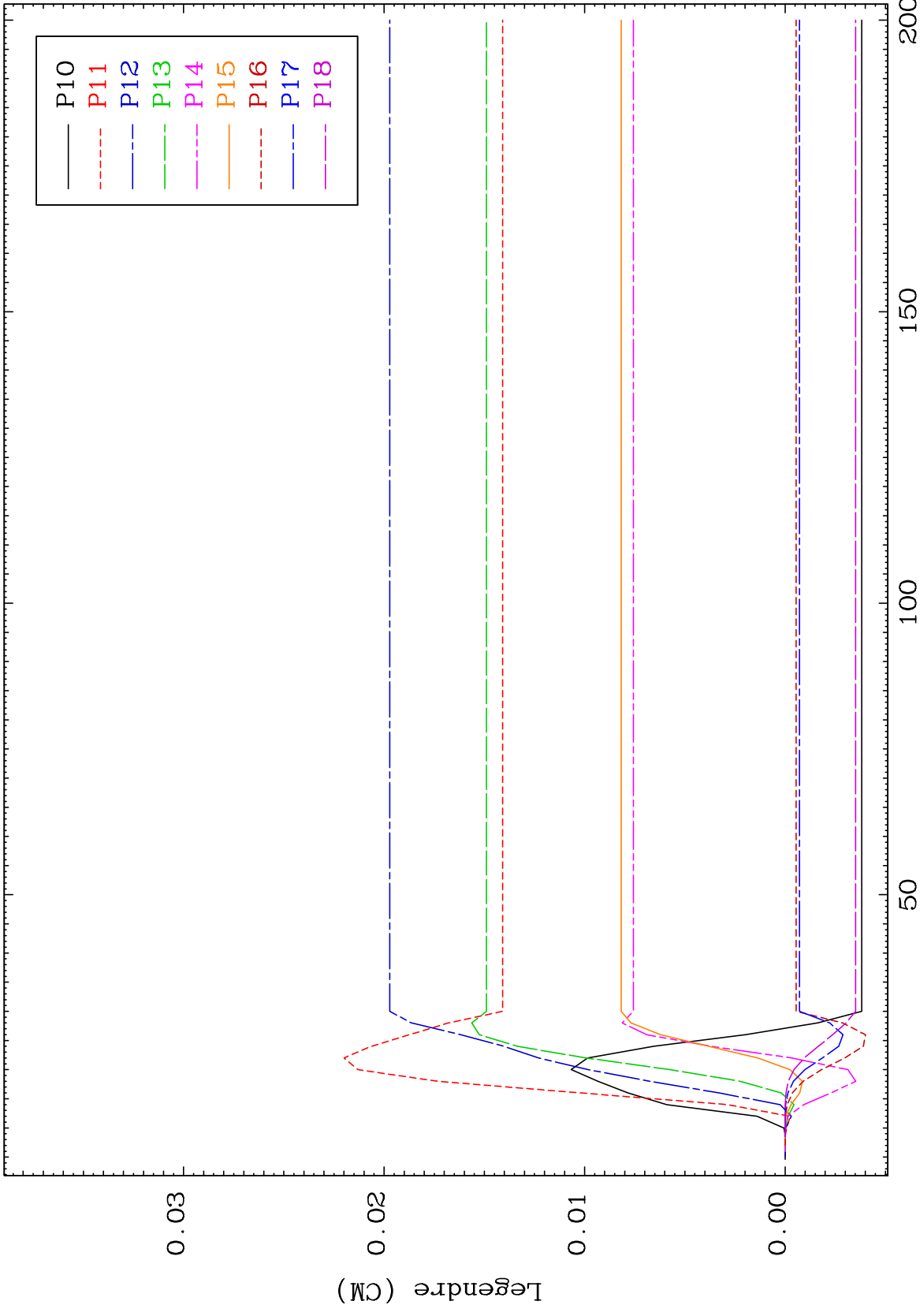
Incident Energy (MeV)

50-Sn-133

MAT 5088

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

50-Sn-133



50

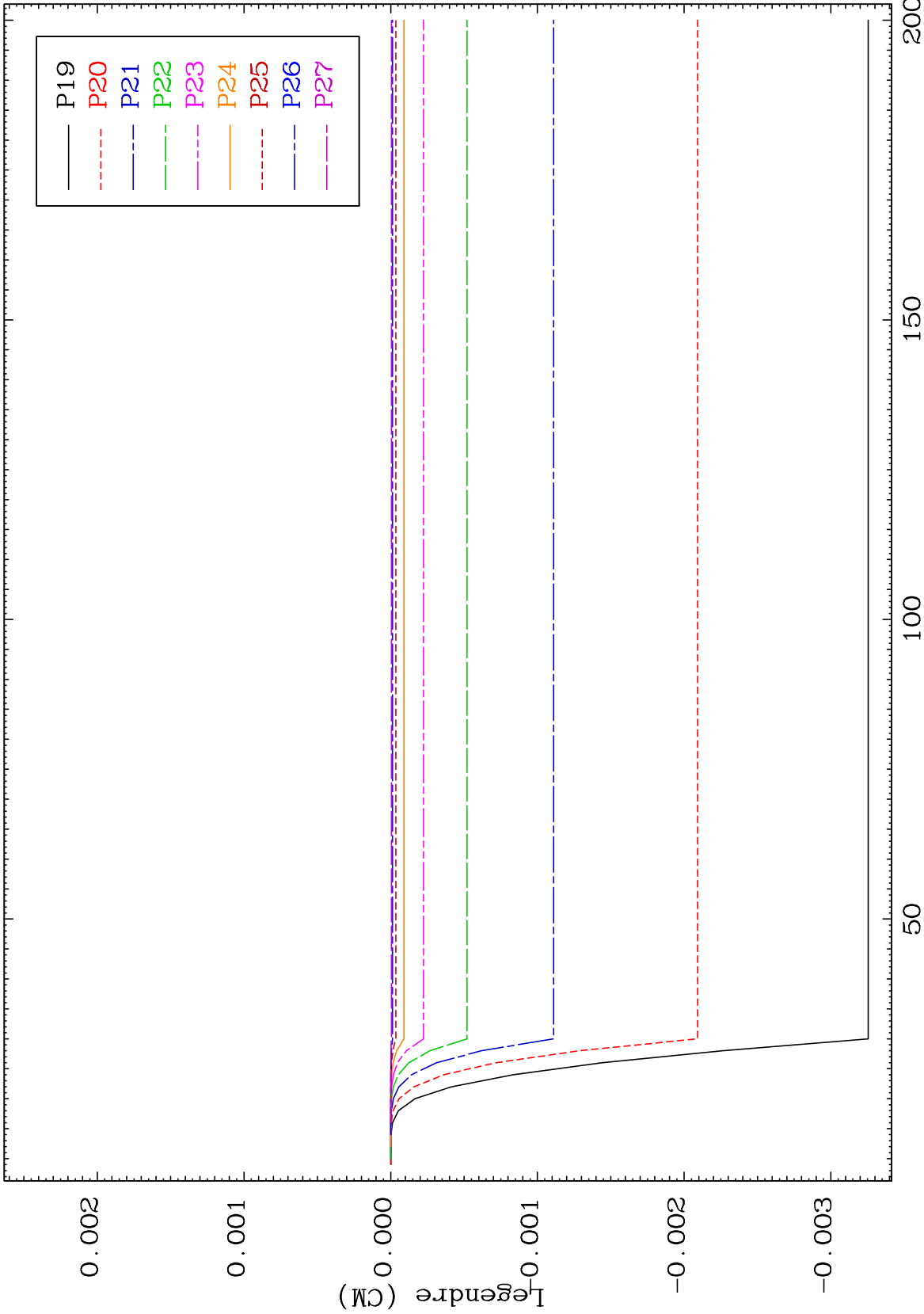
Incident Energy (MeV)

50-Sn-133

MAT 5088

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

50-Sn-133

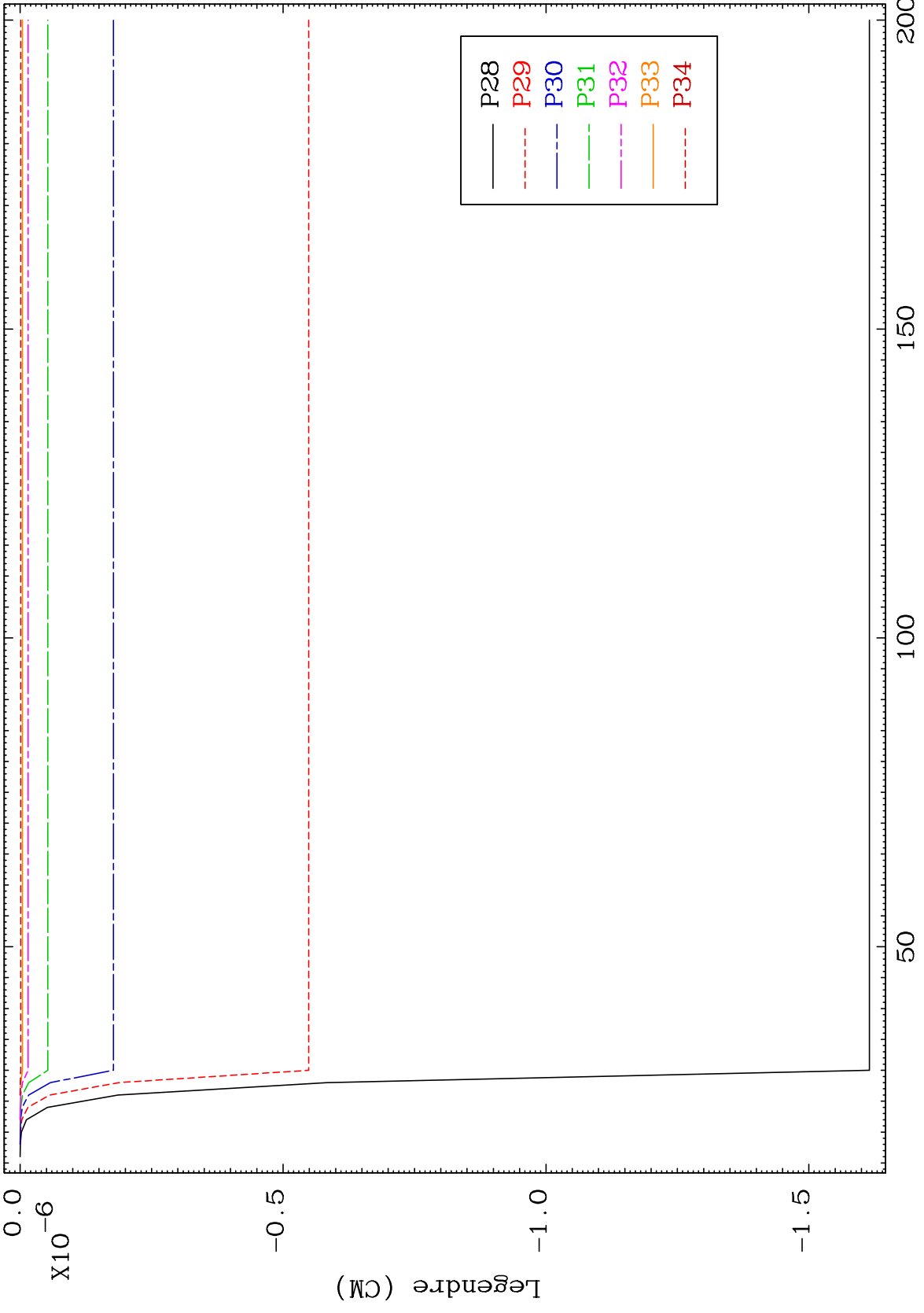


51

Incident Energy (MeV)

50-Sn-133

MAT 5088 MT= 59 (n,n') Level Legendre Coefficients 50-Sn-133

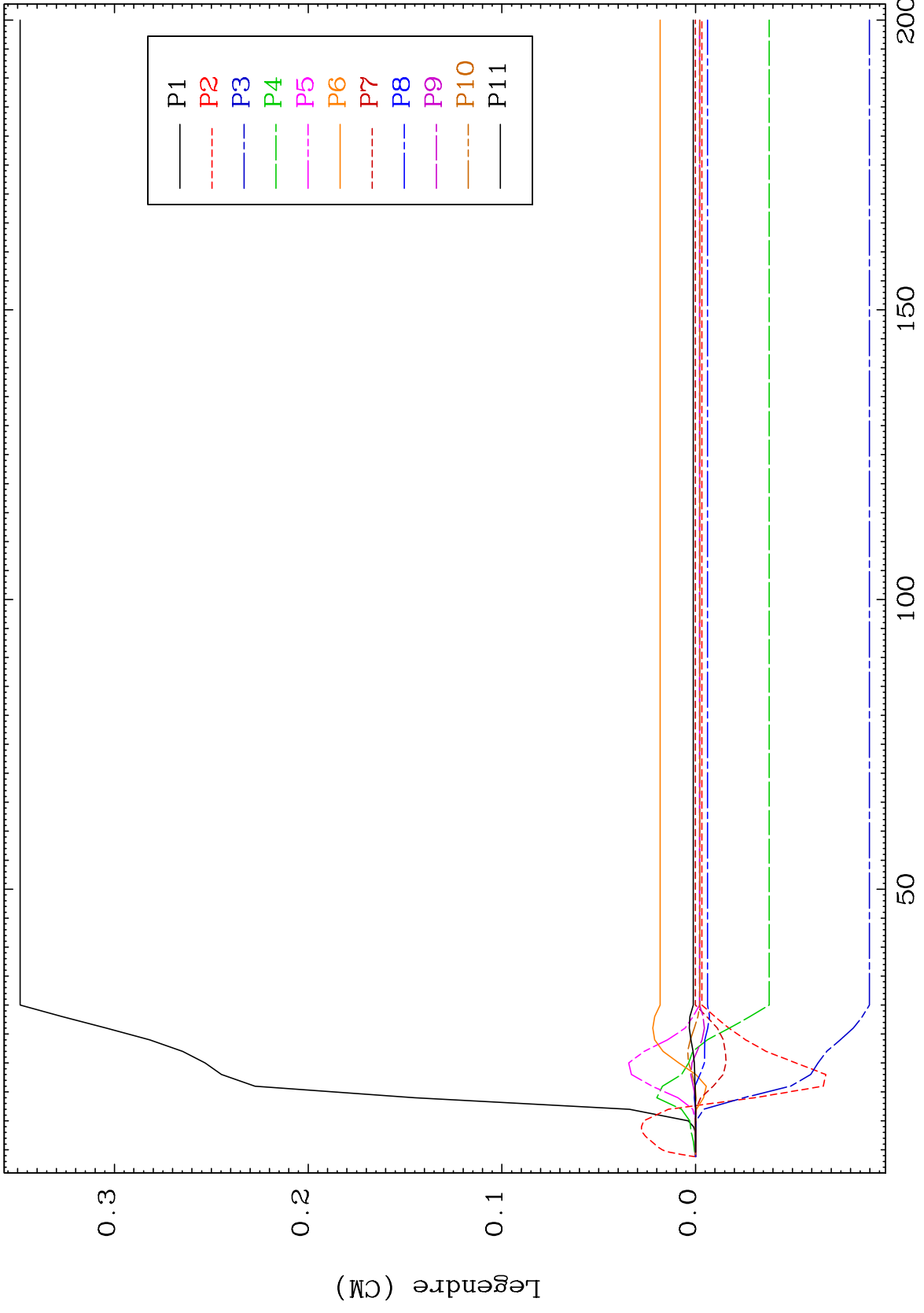


52 Incident Energy (MeV) 50-Sn-133

MAT 5088

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

50-Sn-133



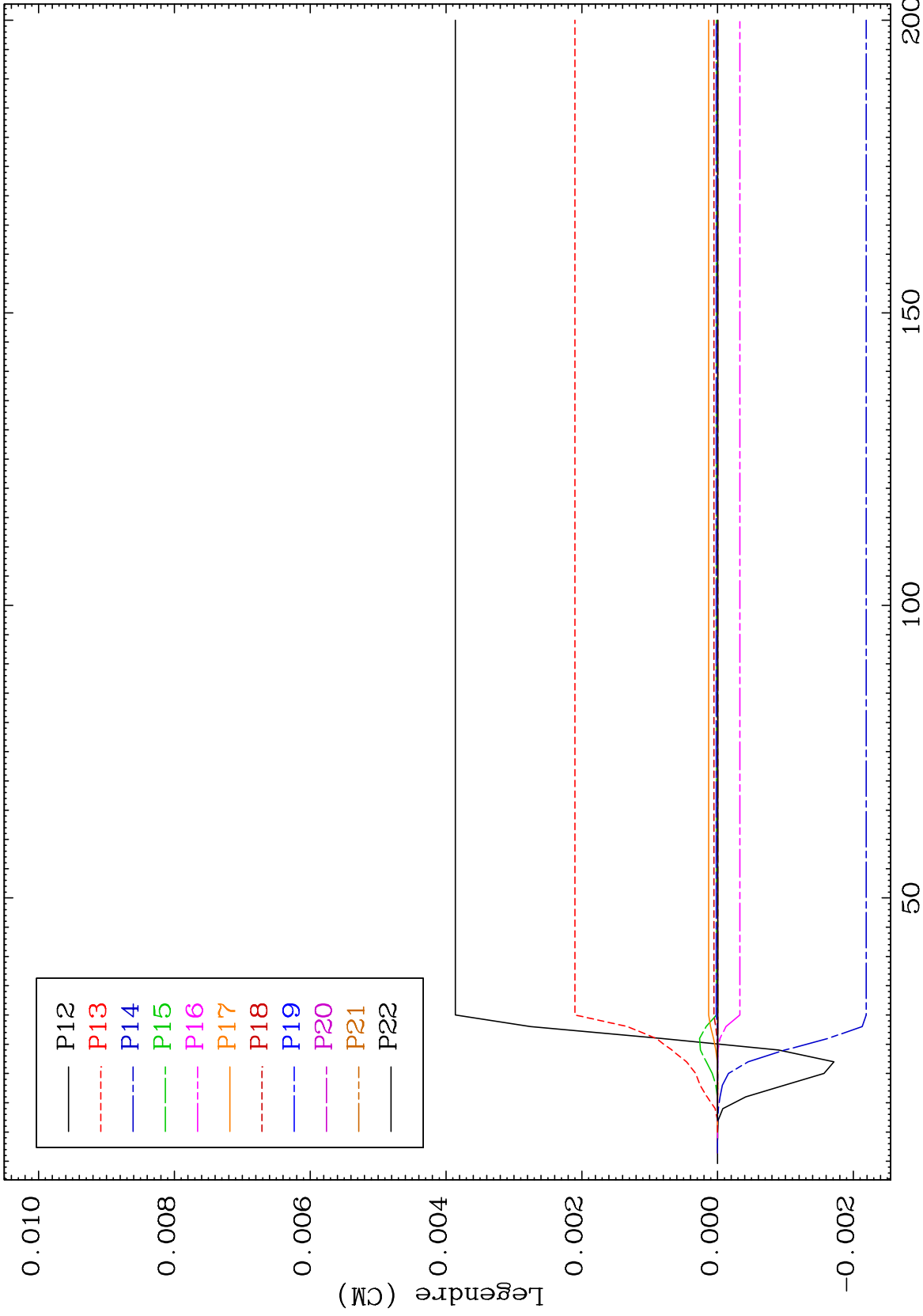
53

50-Sn-133

MAT 5088

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

50-Sn-133

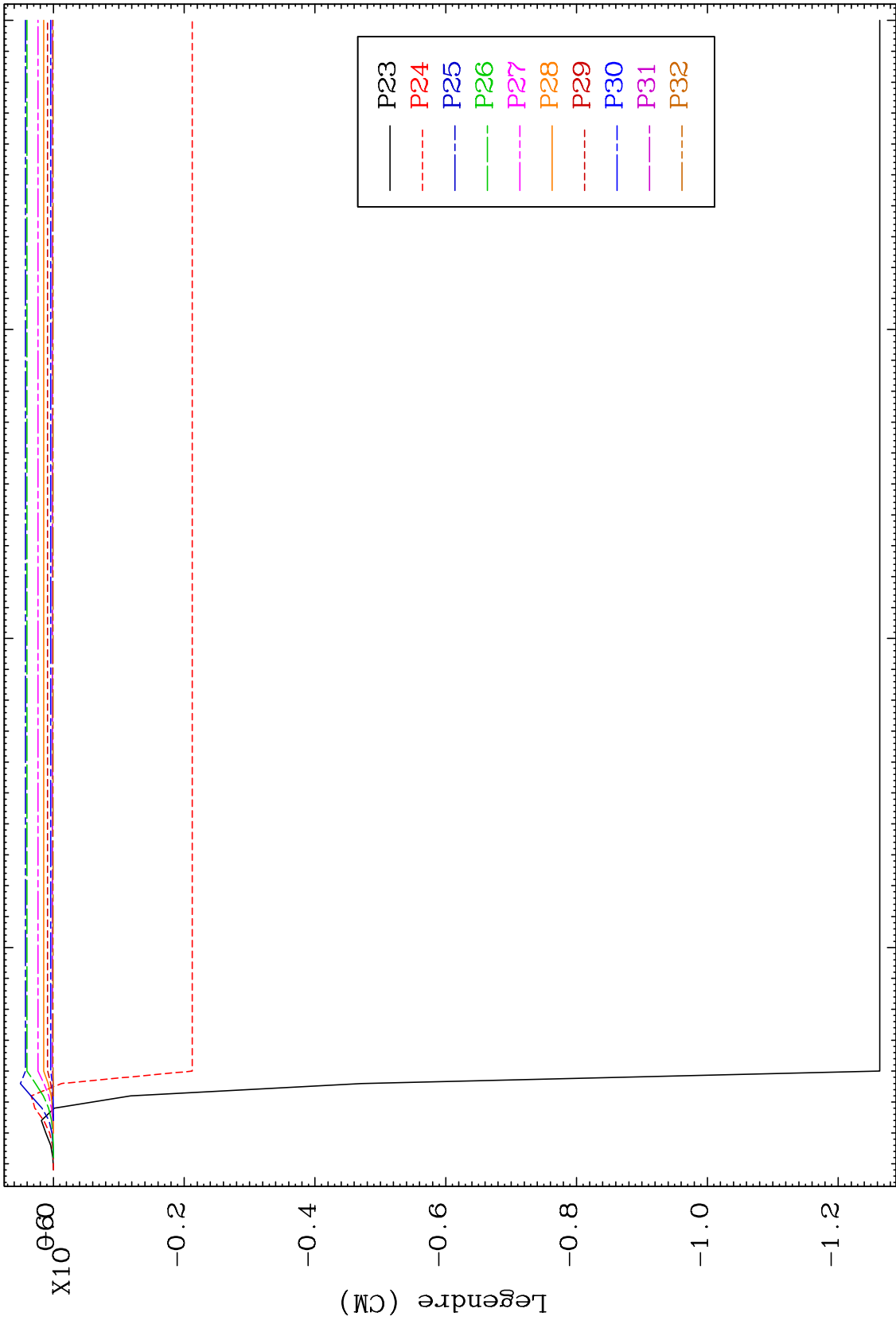


54

Incident Energy (MeV)

50-Sn-133

MAT 5088 MT= 60 (n,n') Level Legendre Coefficients 50-Sn-133

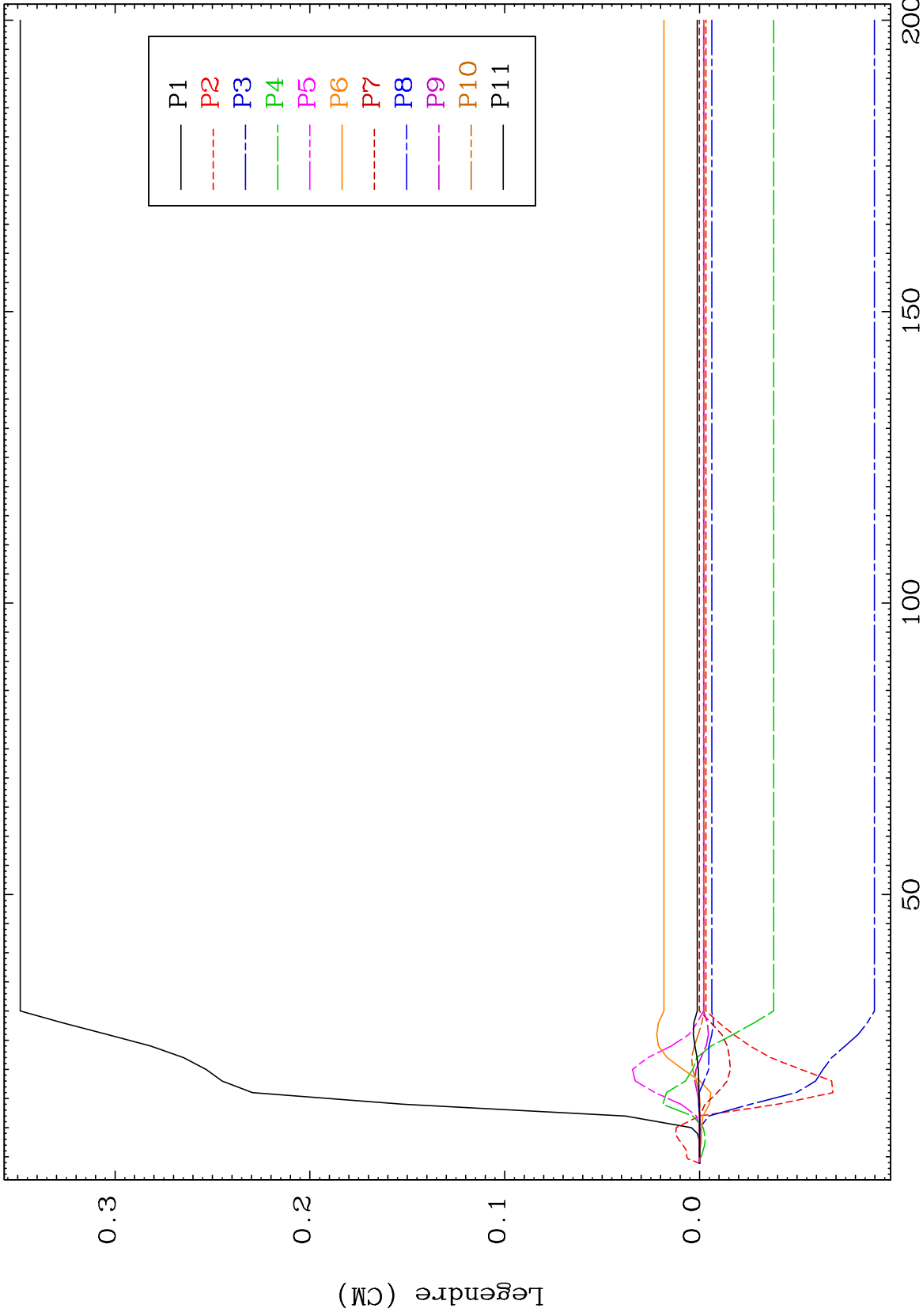


55 50-Sn-133

MAT 5088

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

50-Sn-133



56

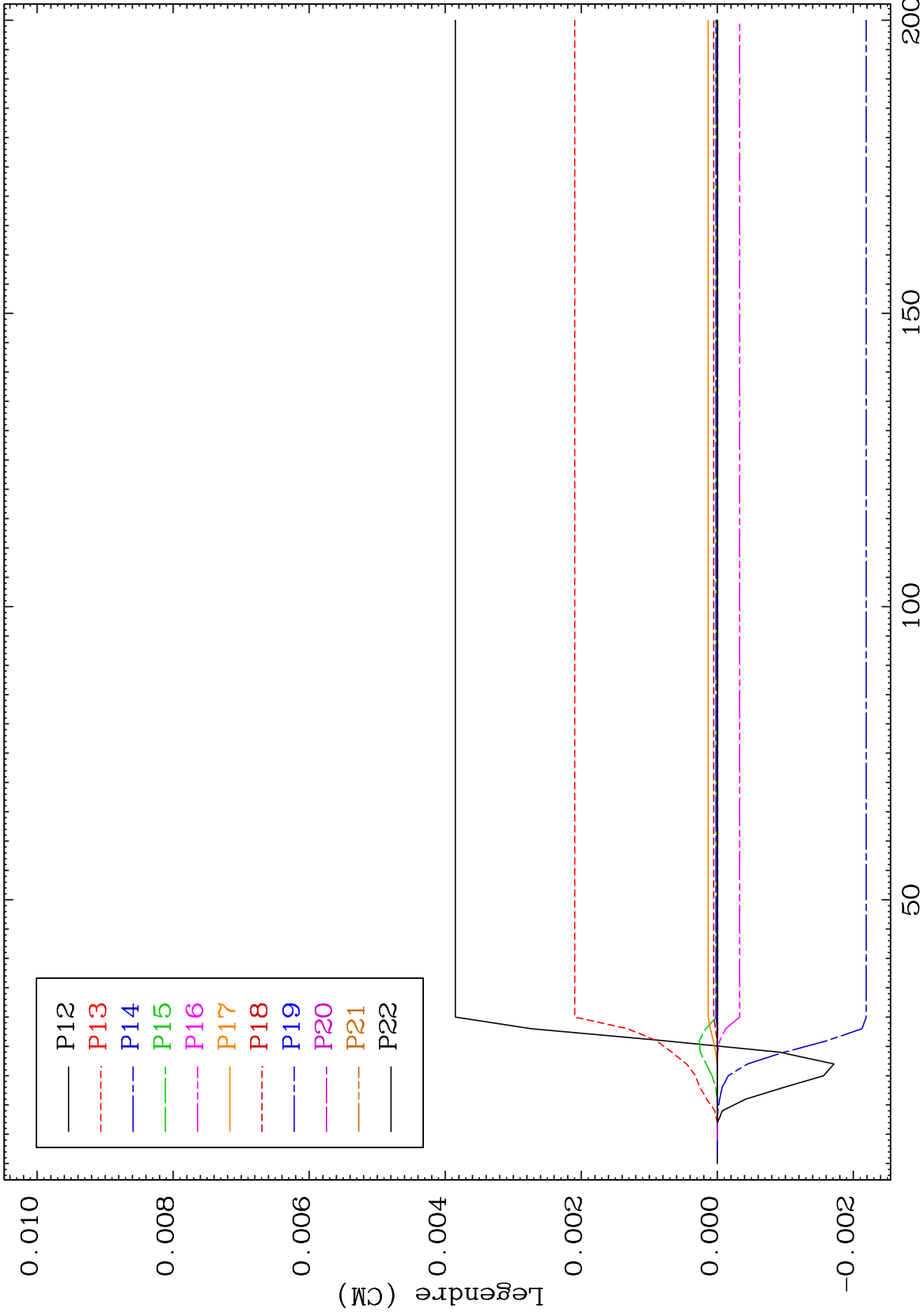
Incident Energy (MeV)

50-Sn-133

MAT 5088

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

50-Sn-133



57

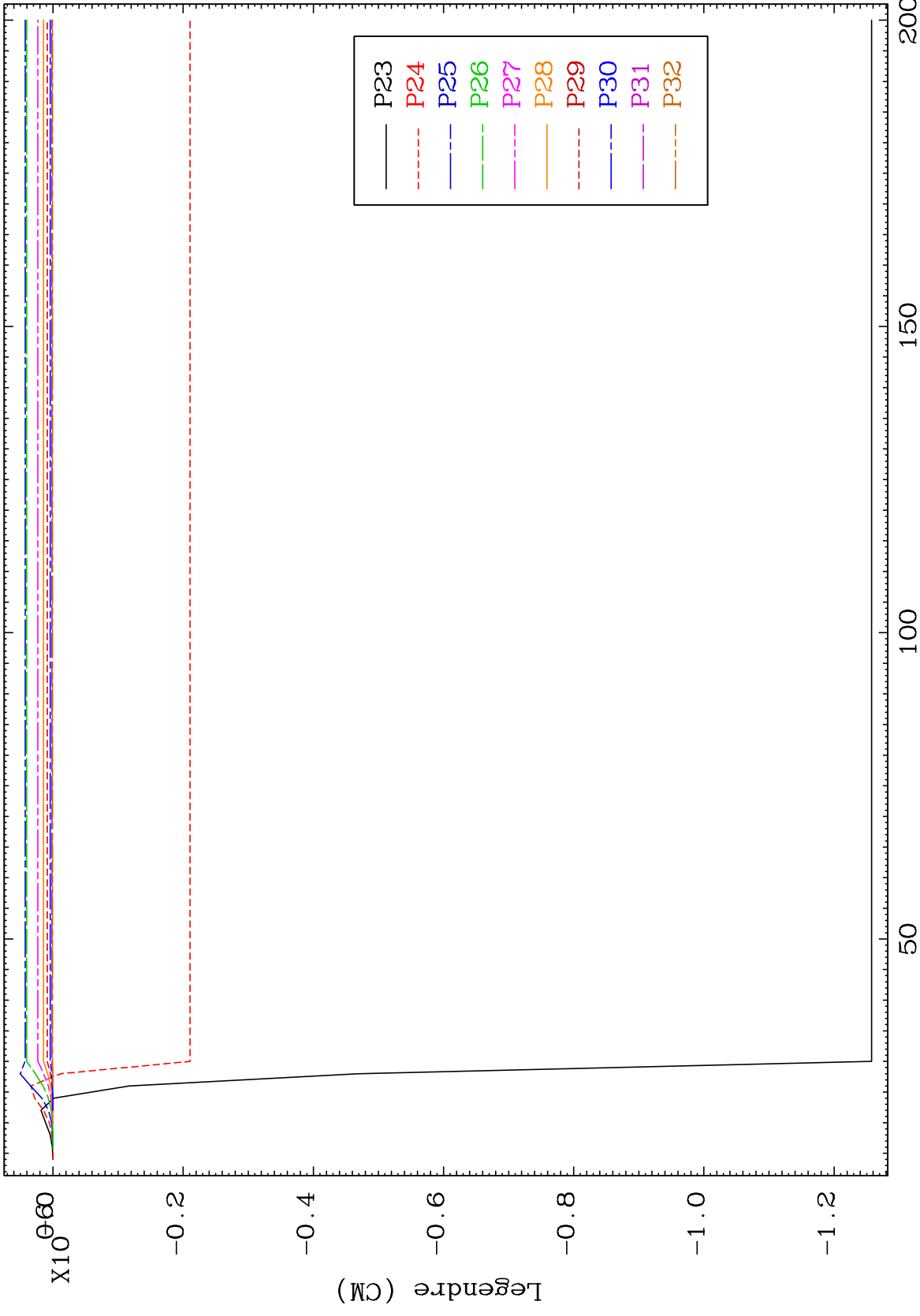
Incident Energy (MeV)

50-Sn-133

MAT 5088

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

50-Sn-133



50-Sn-133

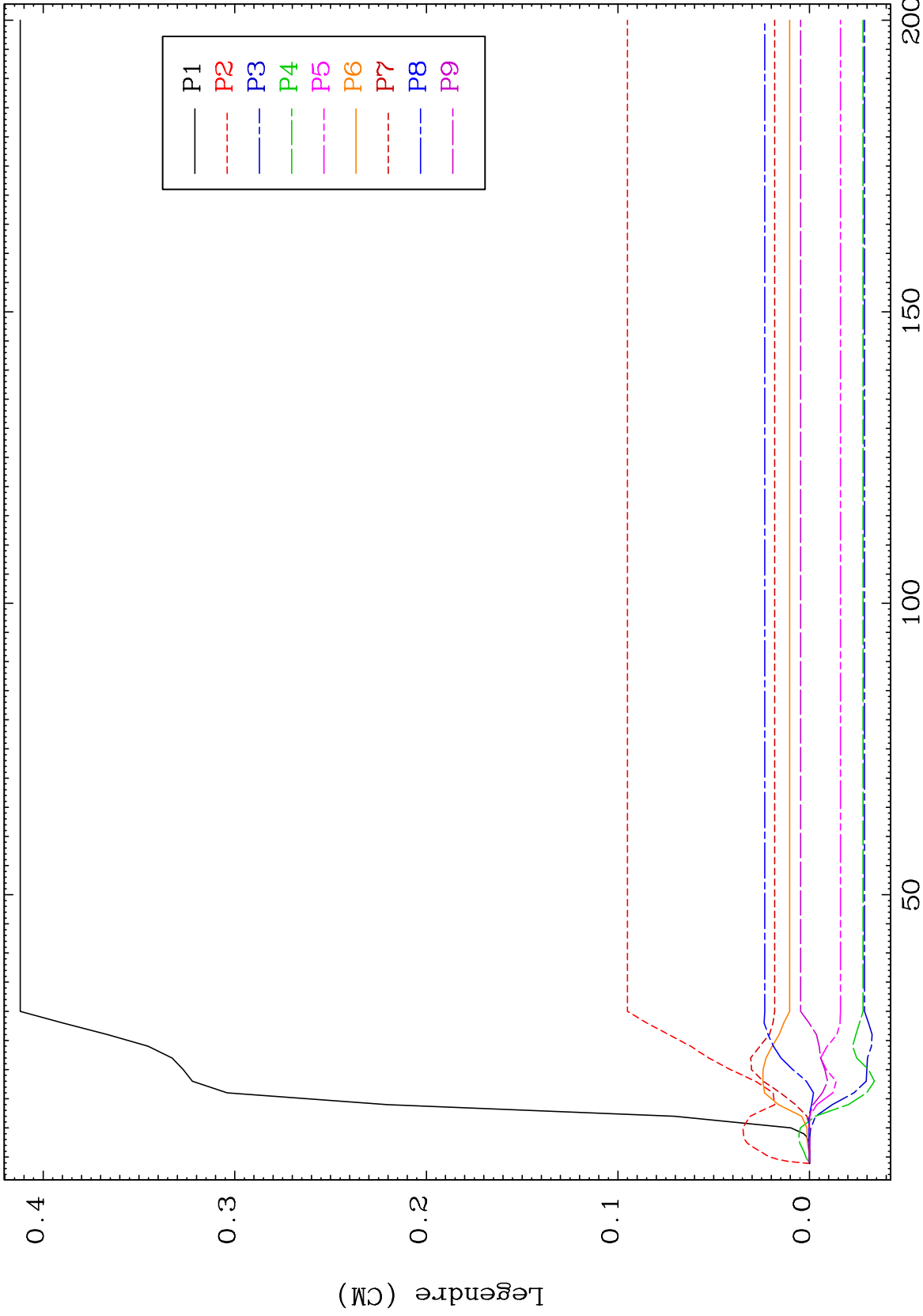
Incident Energy (MeV)

58

MAT 5088

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

50-Sn-133



59

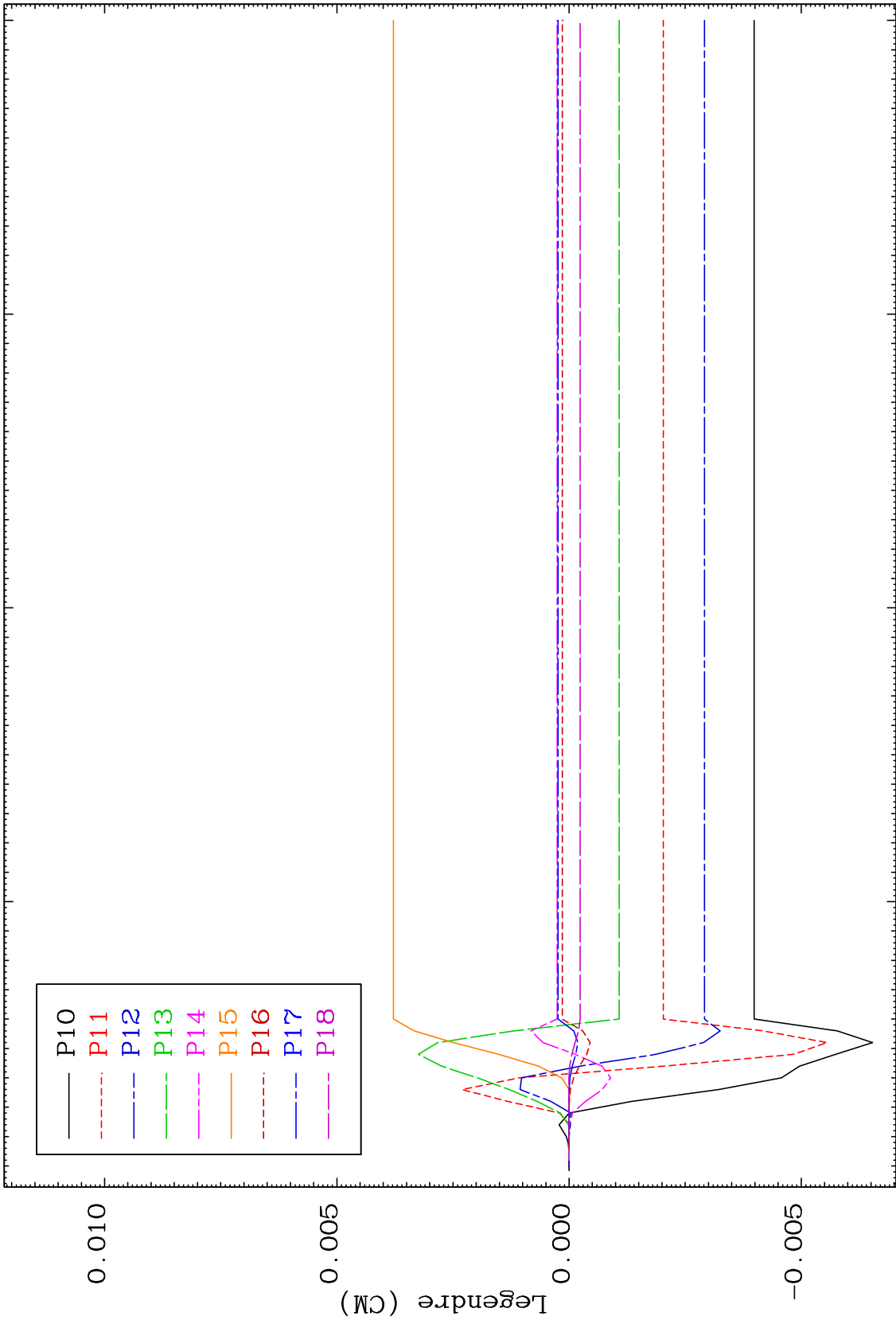
Incident Energy (MeV)

50-Sn-133

MAT 5088

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

50-Sn-133



60

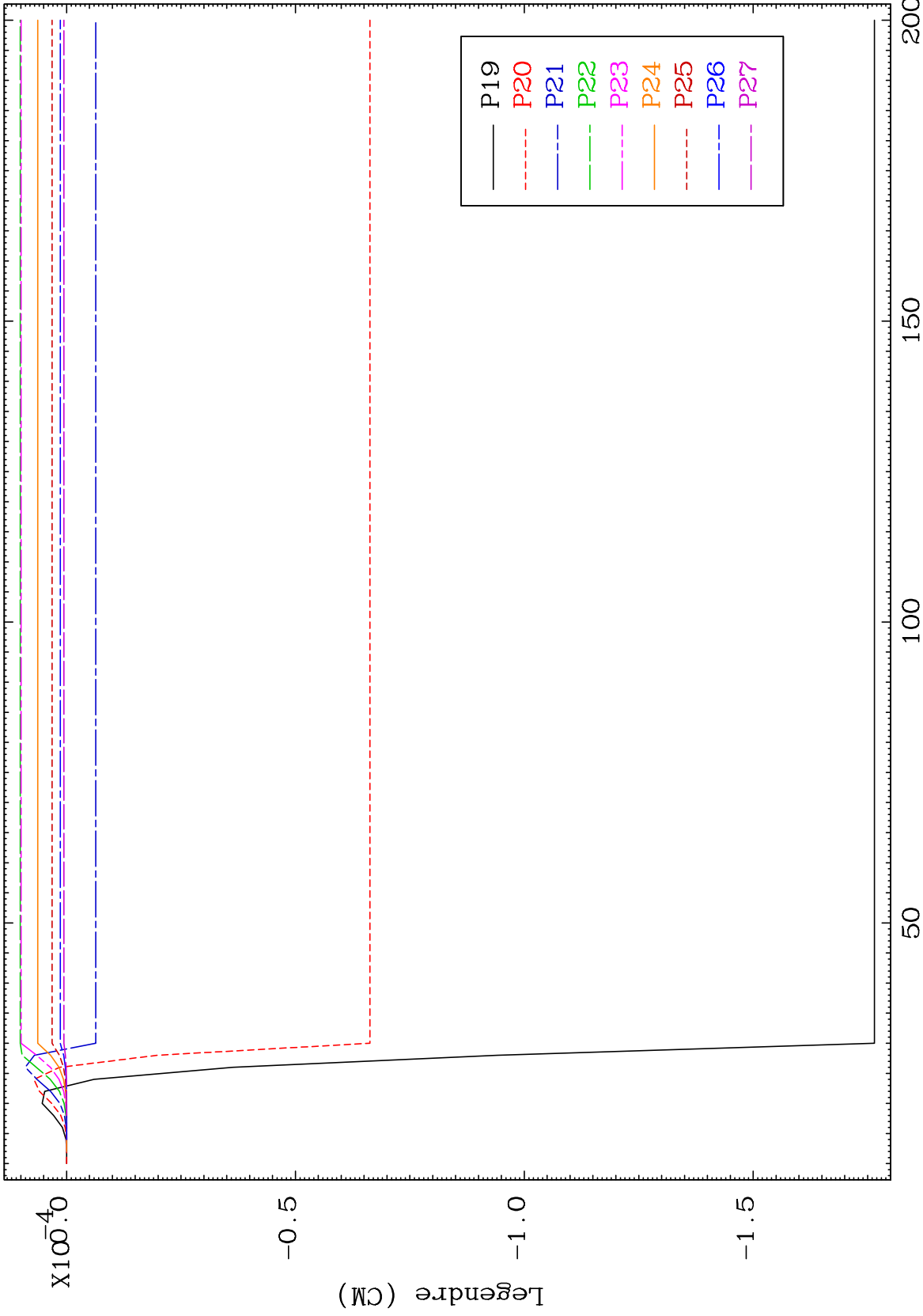
Incident Energy (MeV)

50-Sn-133

MAT 5088

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

50-Sn-133



61

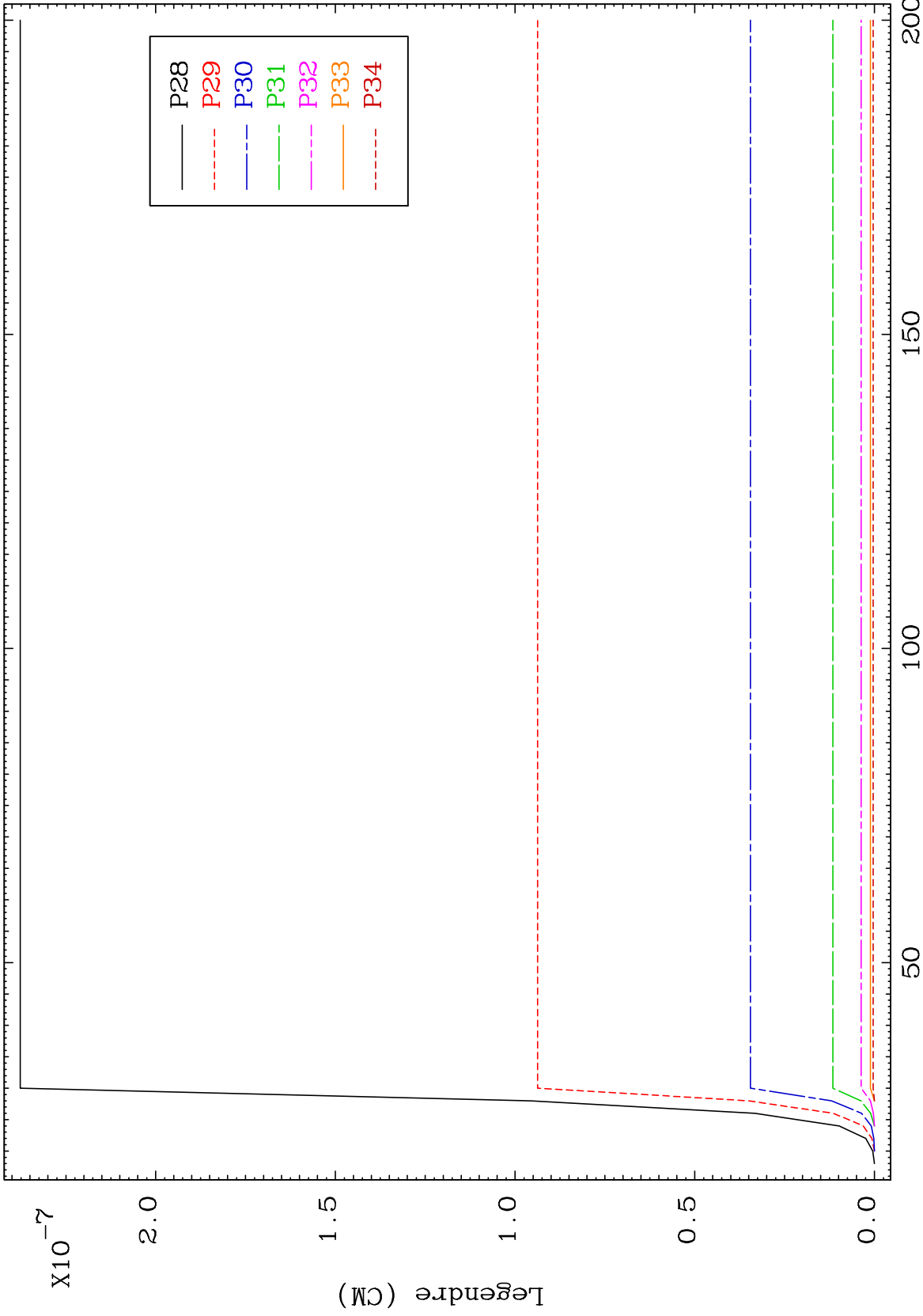
50-Sn-133

50-Sn-133

MAT 5088

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

50-Sn-133



62

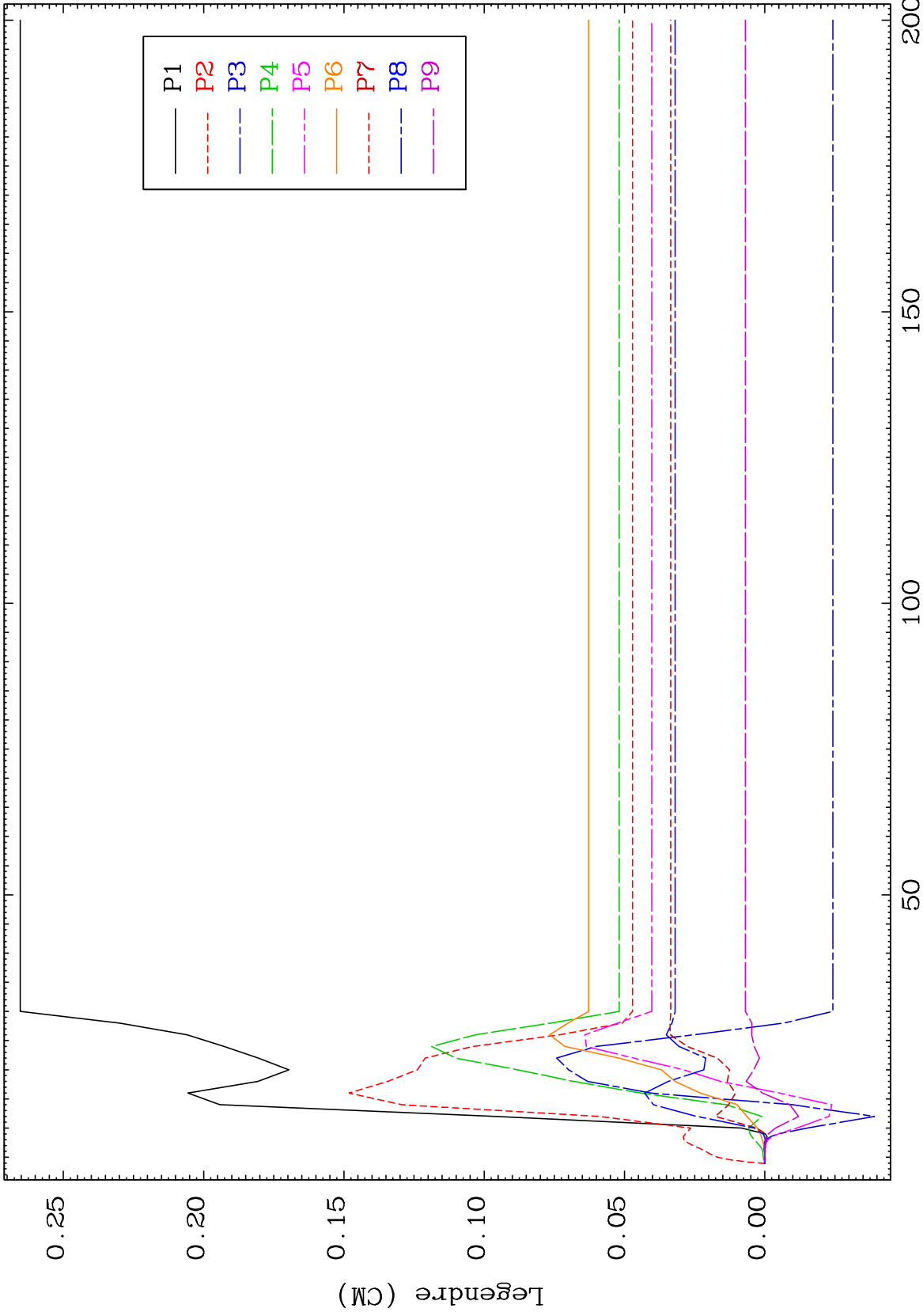
Incident Energy (MeV)

50-Sn-133

MAT 5088

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

50-Sn-133



63

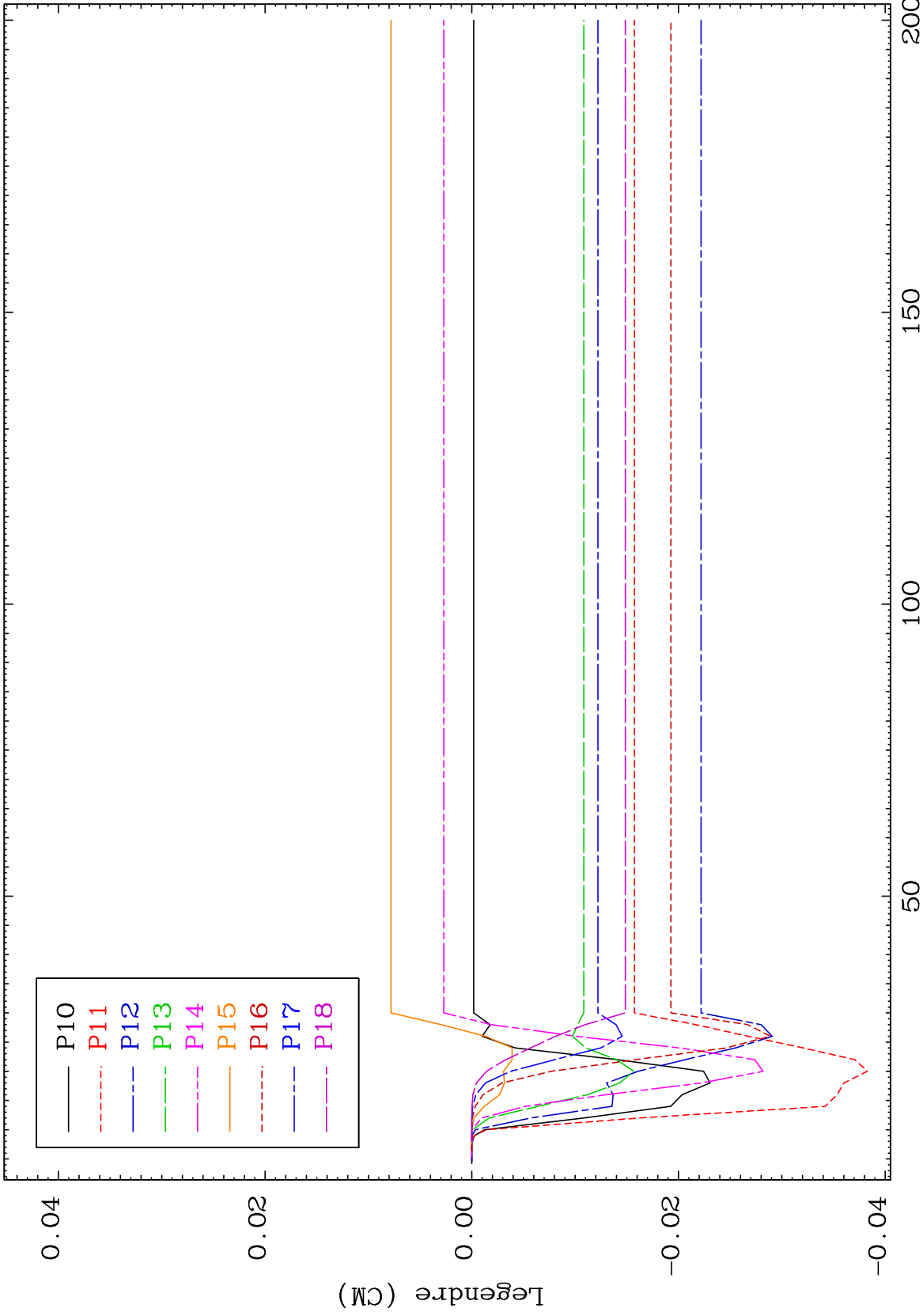
Incident Energy (MeV)

50-Sn-133

MAT 5088

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

50-Sn-133

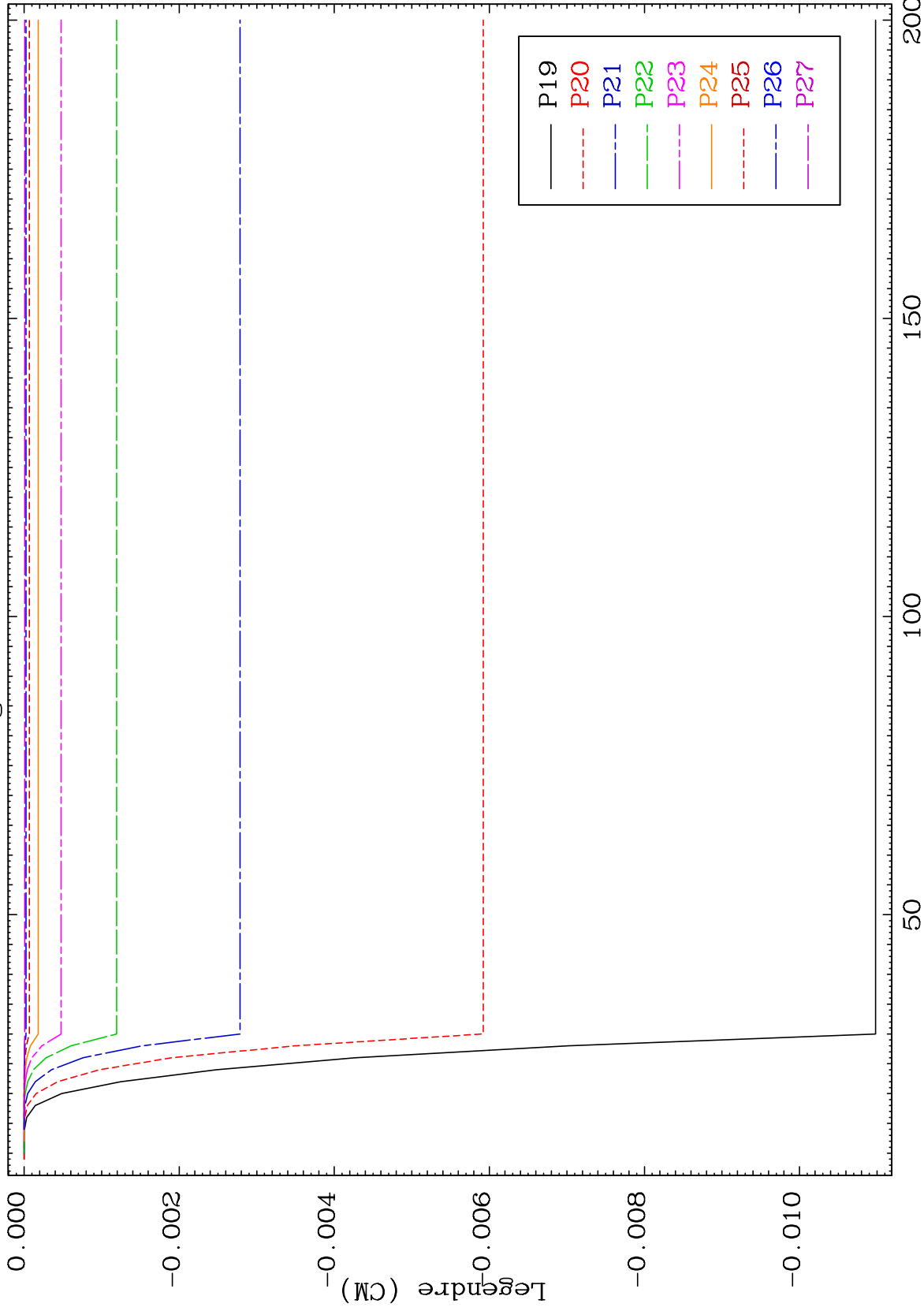


64

Incident Energy (MeV)

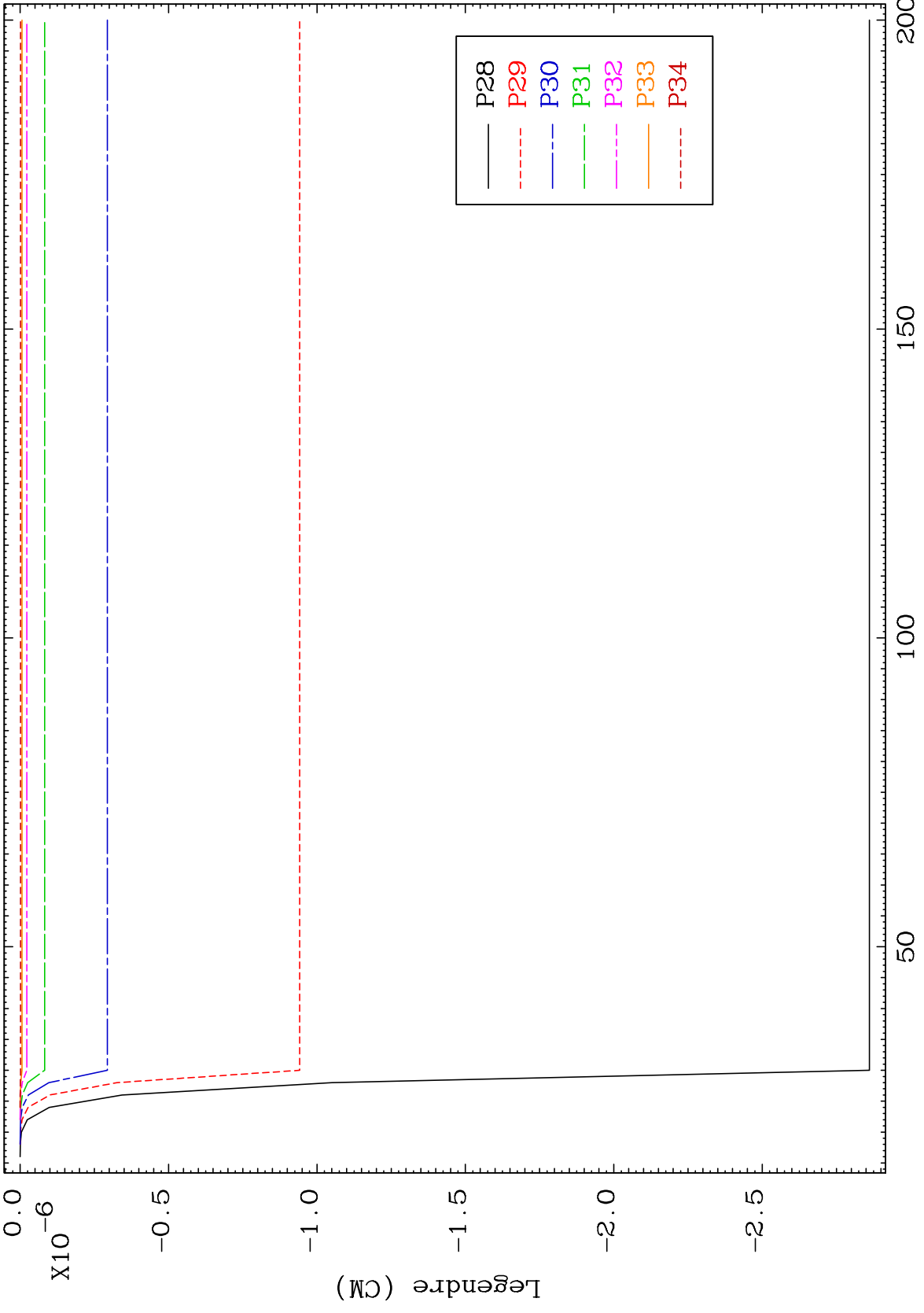
50-Sn-133

MAT 5088 MT= 63 (n,n') Level Legendre Coefficients 50-Sn-133



65 50-Sn-133

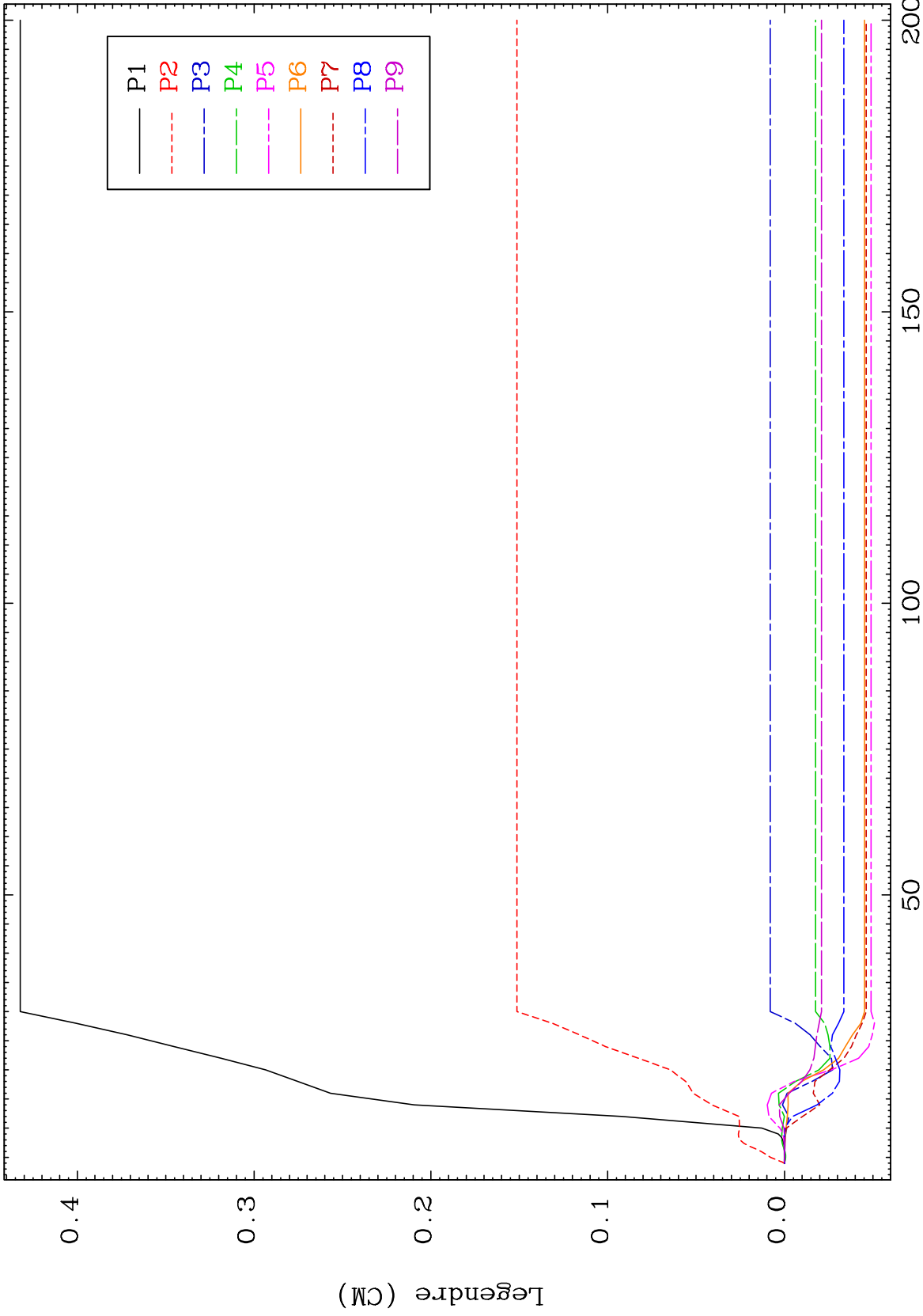
MAT 5088 MT= 63 (n,n') Level Legendre Coefficients 50-Sn-133



MAT 5088

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

50-Sn-133



67

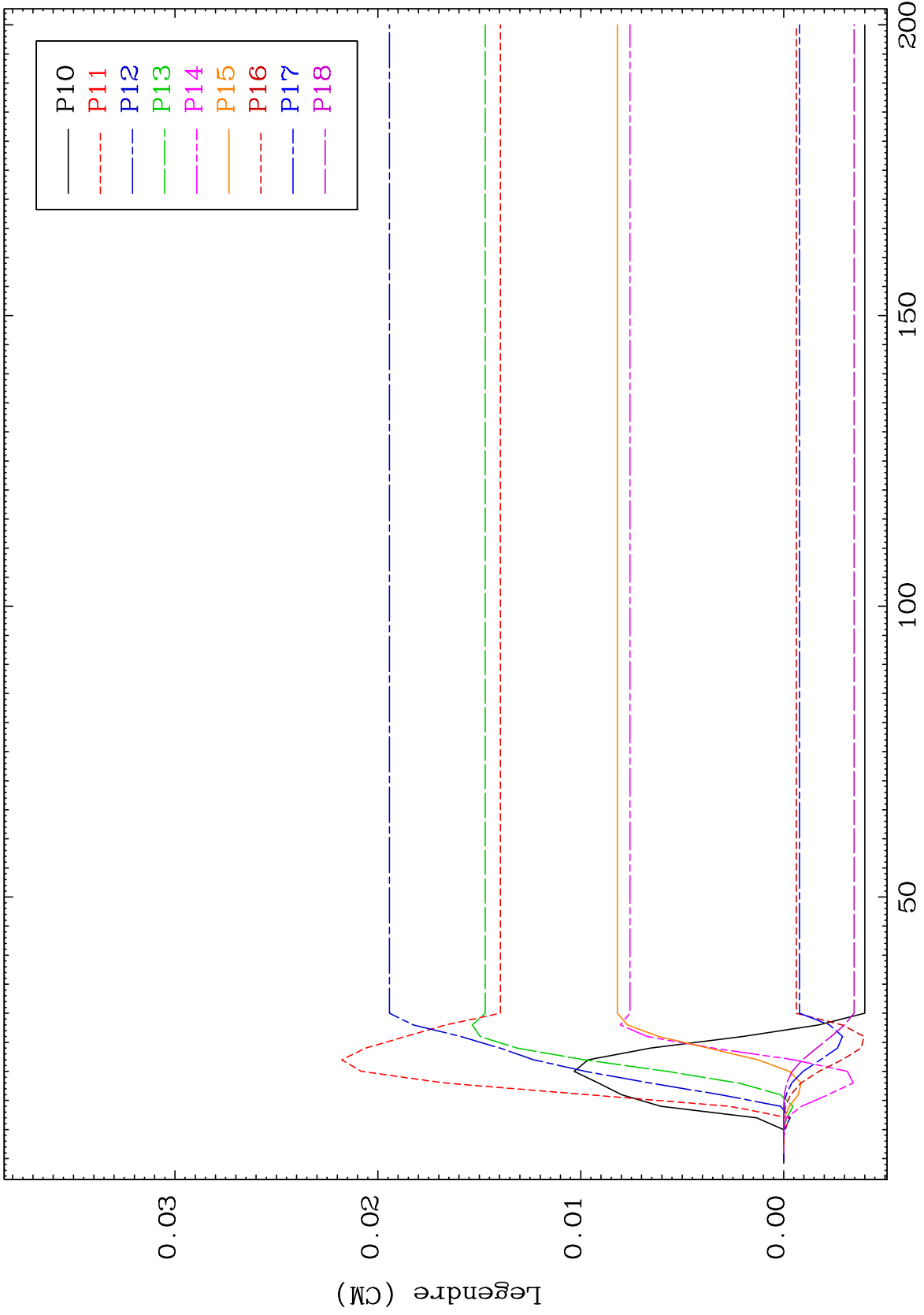
Incident Energy (MeV)

50-Sn-133

MAT 5088

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

50-Sn-133



68

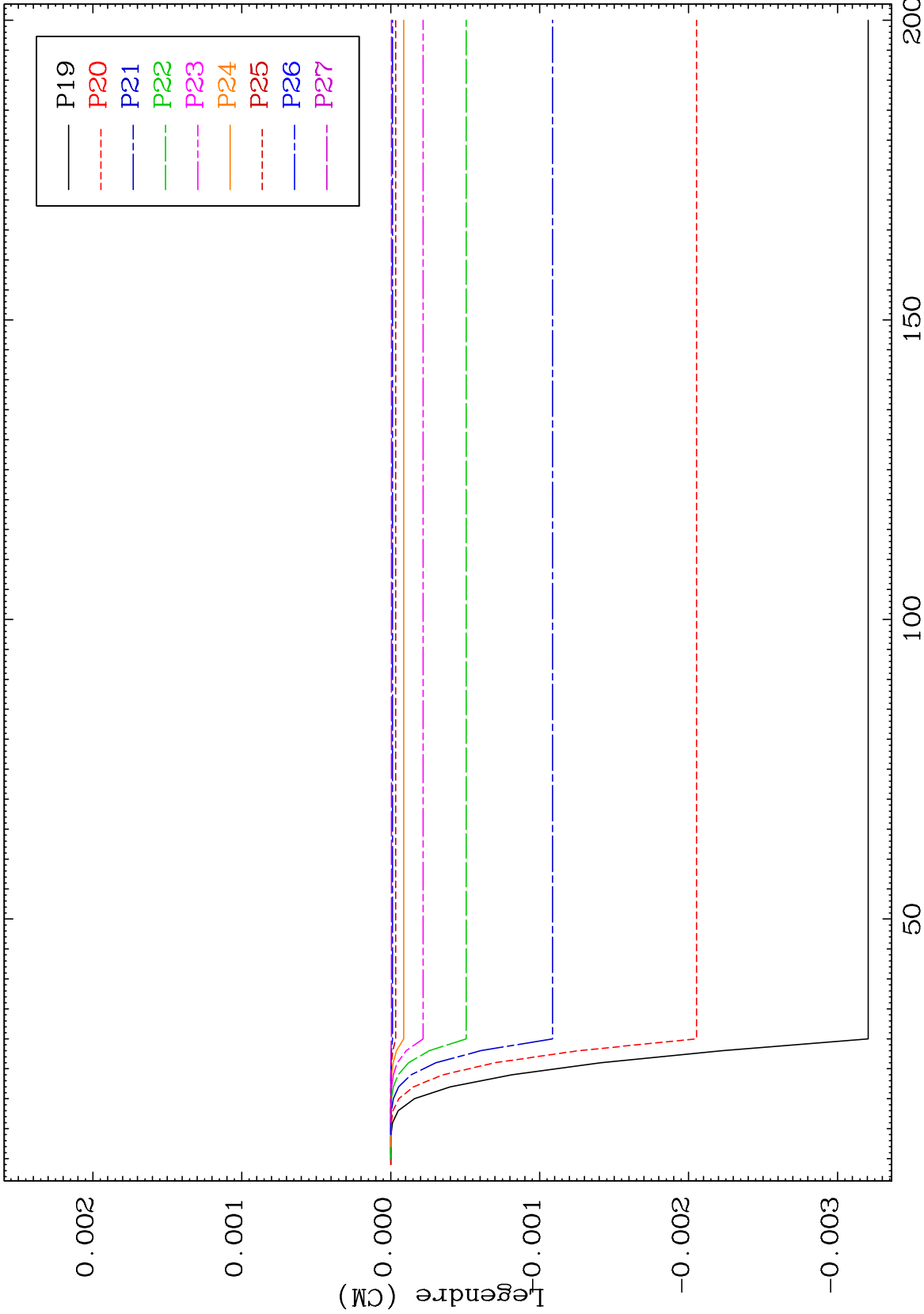
Incident Energy (MeV)

50-Sn-133

MAT 5088

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

50-Sn-133



69

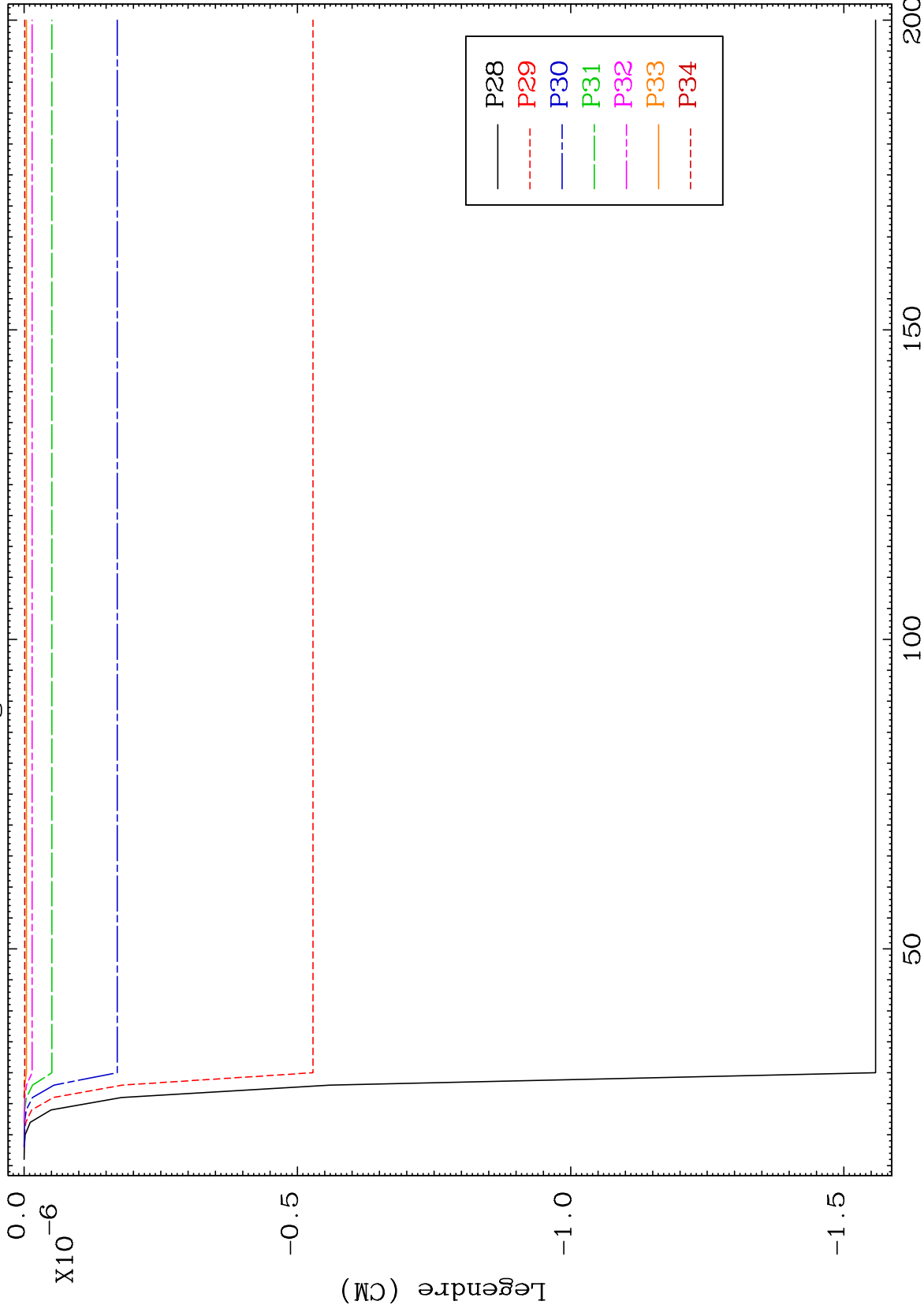
Incident Energy (MeV)

50-Sn-133

MAT 5088

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

50-Sn-133



50-Sn-133

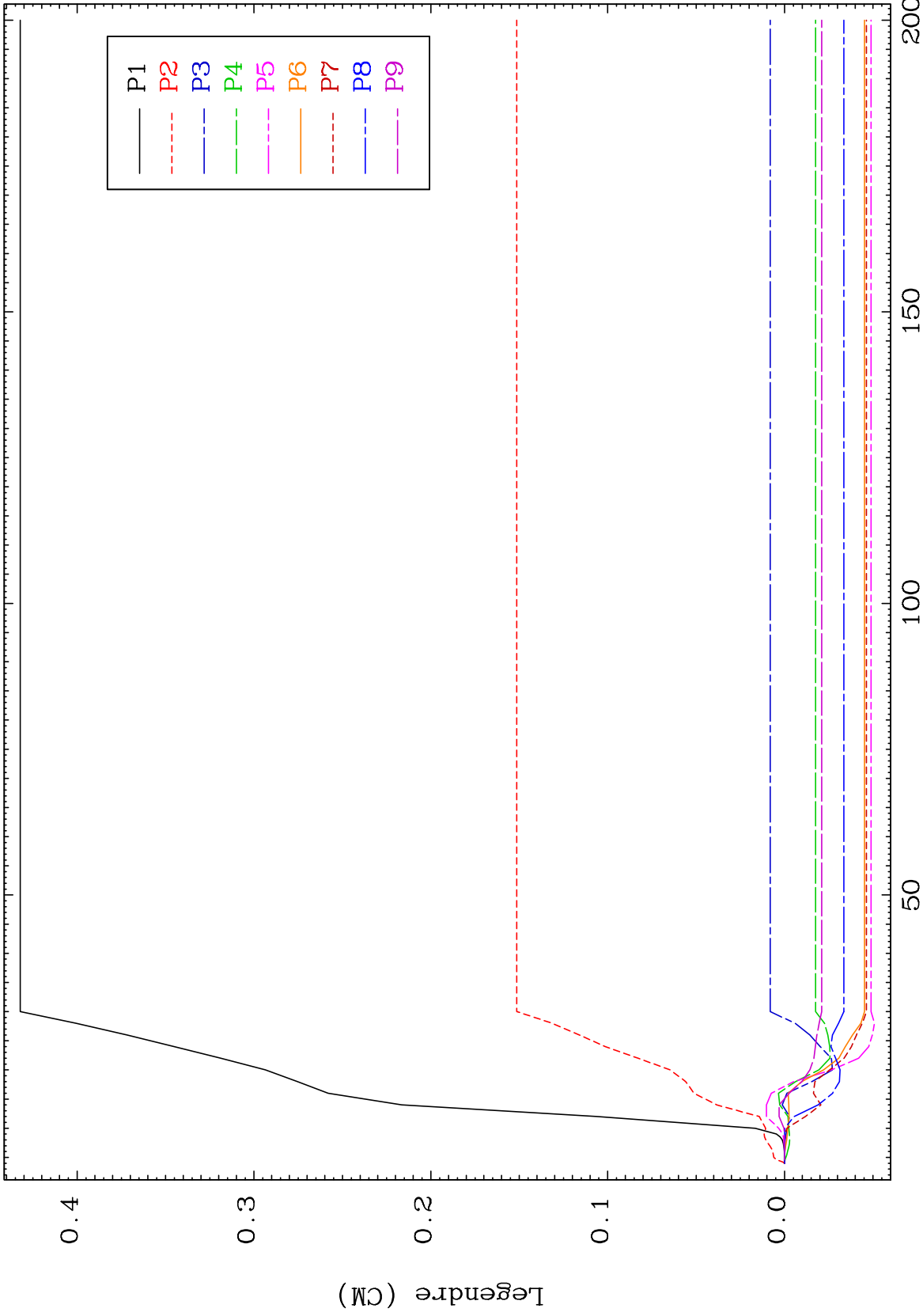
Incident Energy (MeV)

70

MAT 5088

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

50-Sn-133



71

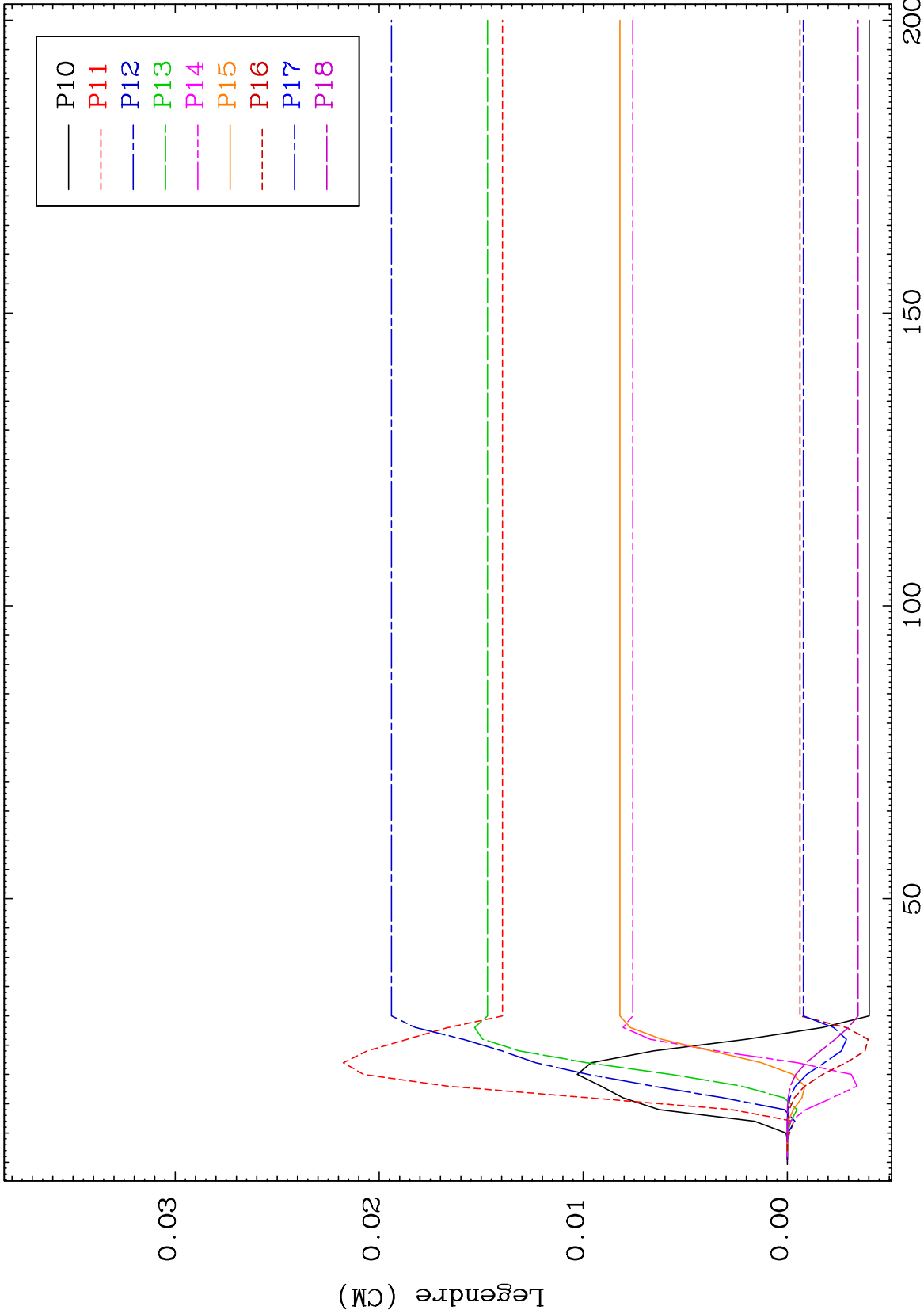
Incident Energy (MeV)

50-Sn-133

MAT 5088

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

50-Sn-133



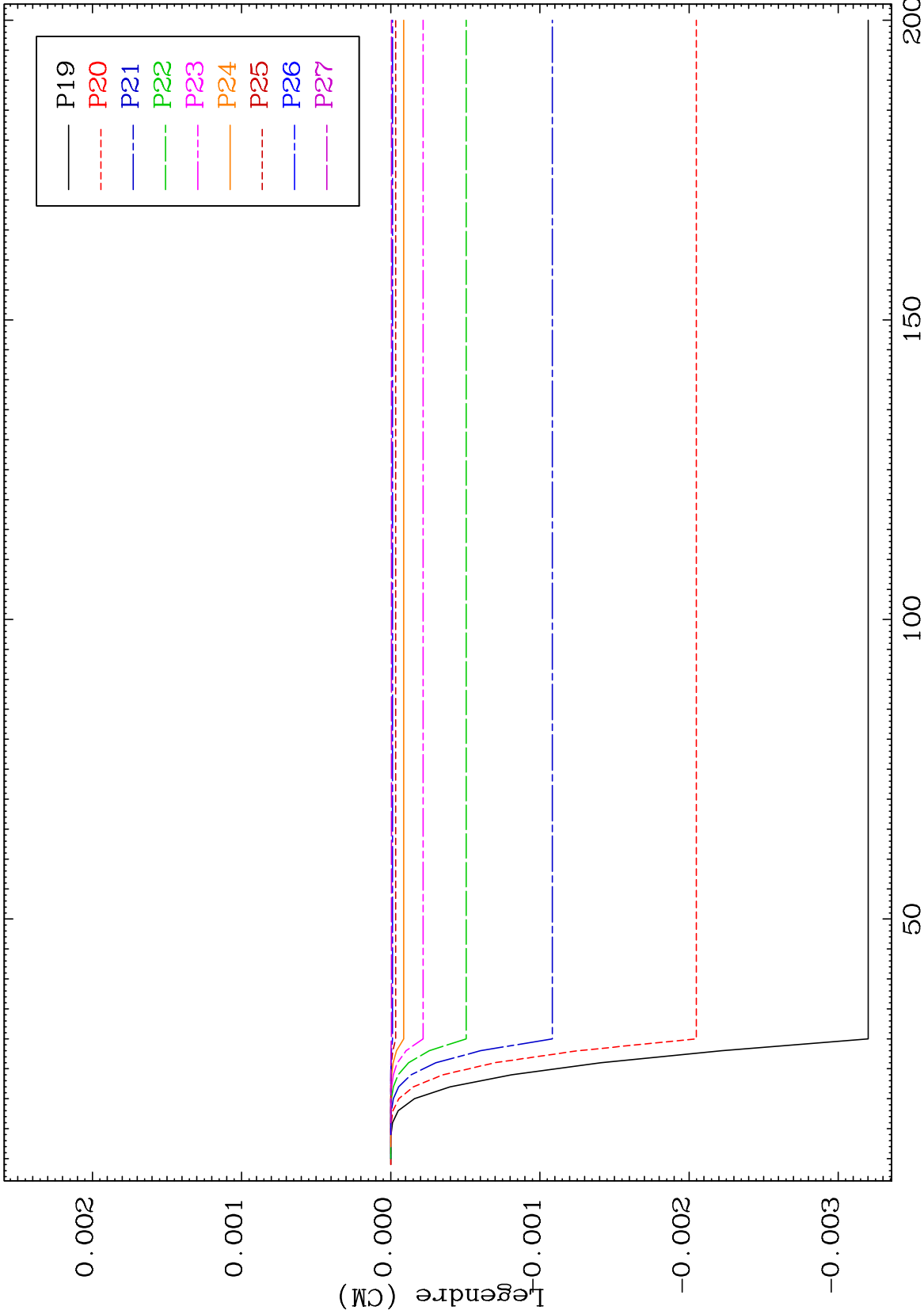
72

50-Sn-133

MAT 5088

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

50-Sn-133



73

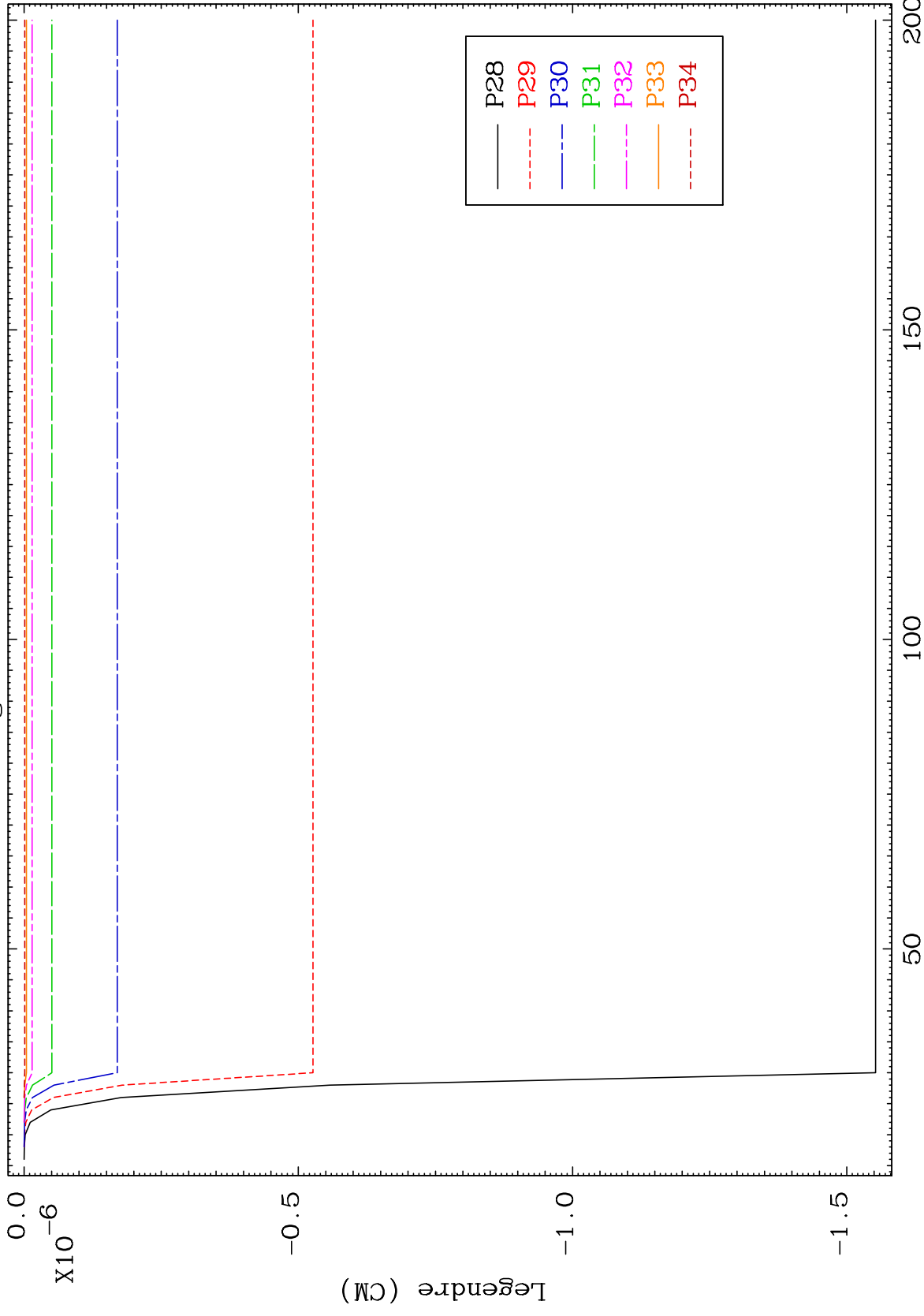
Incident Energy (MeV)

50-Sn-133

MAT 5088

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

50-Sn-133



74

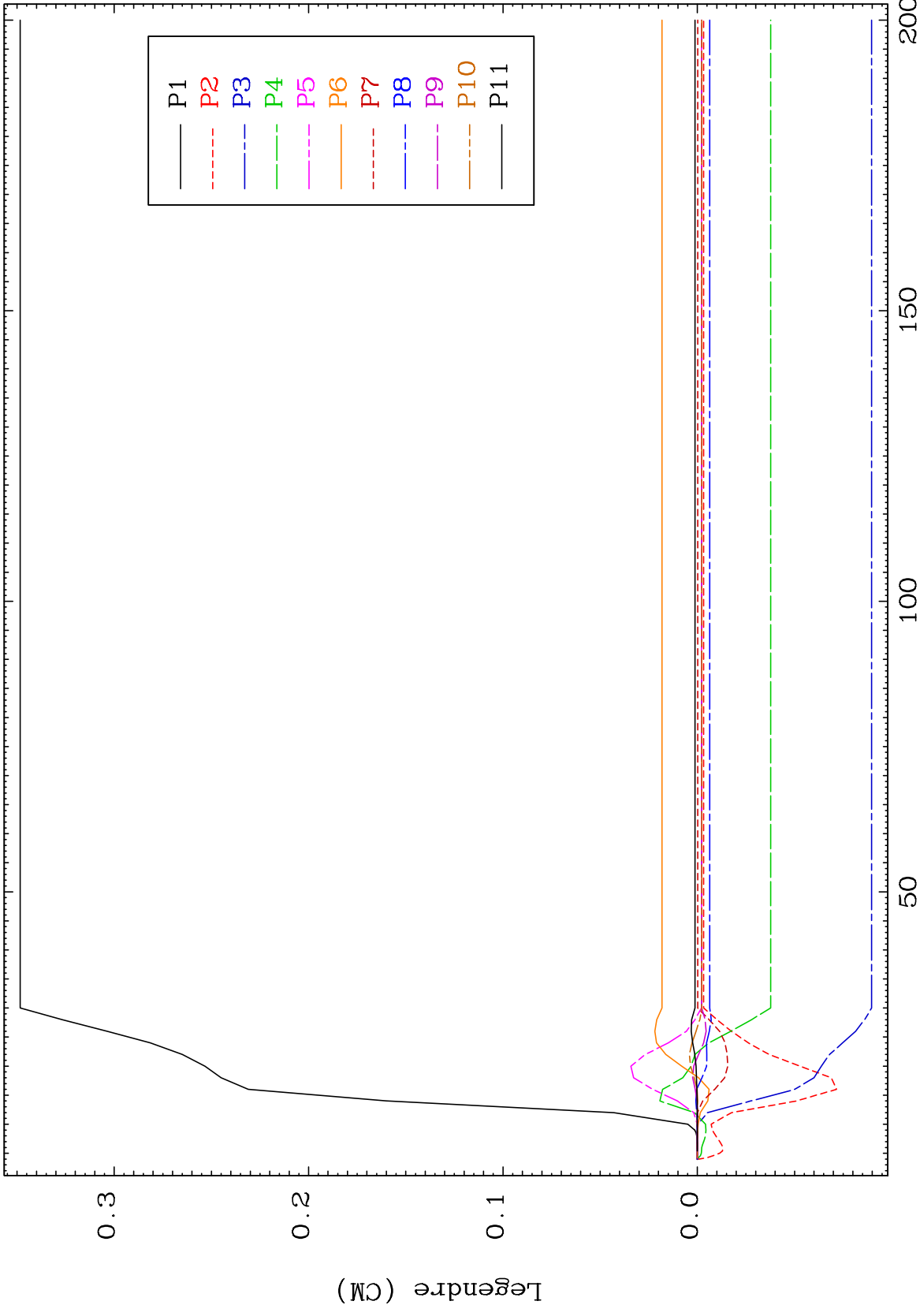
Incident Energy (MeV)

50-Sn-133

MAT 5088

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

50-Sn-133



75

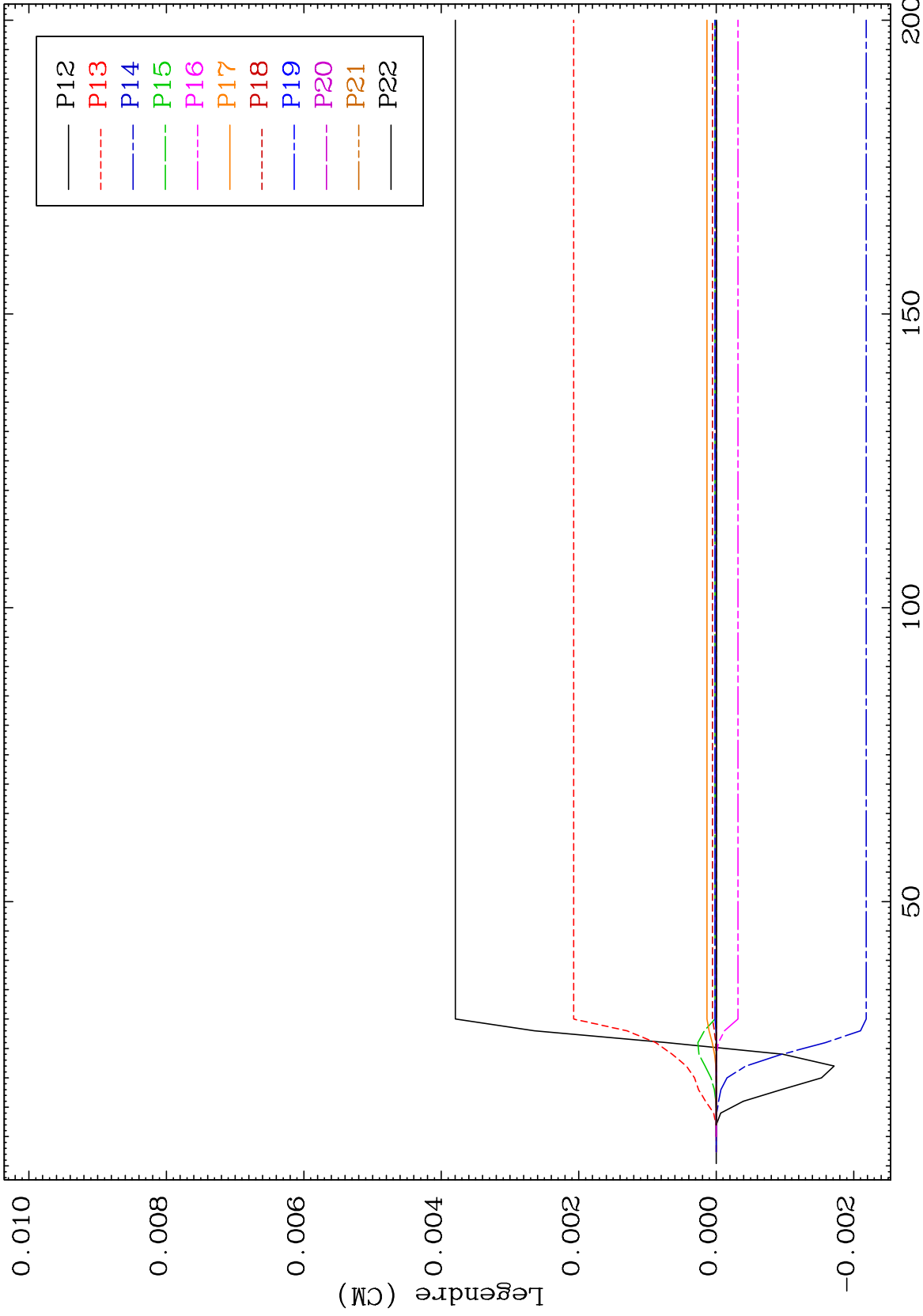
Incident Energy (MeV)

50-Sn-133

MAT 5088

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

50-Sn-133

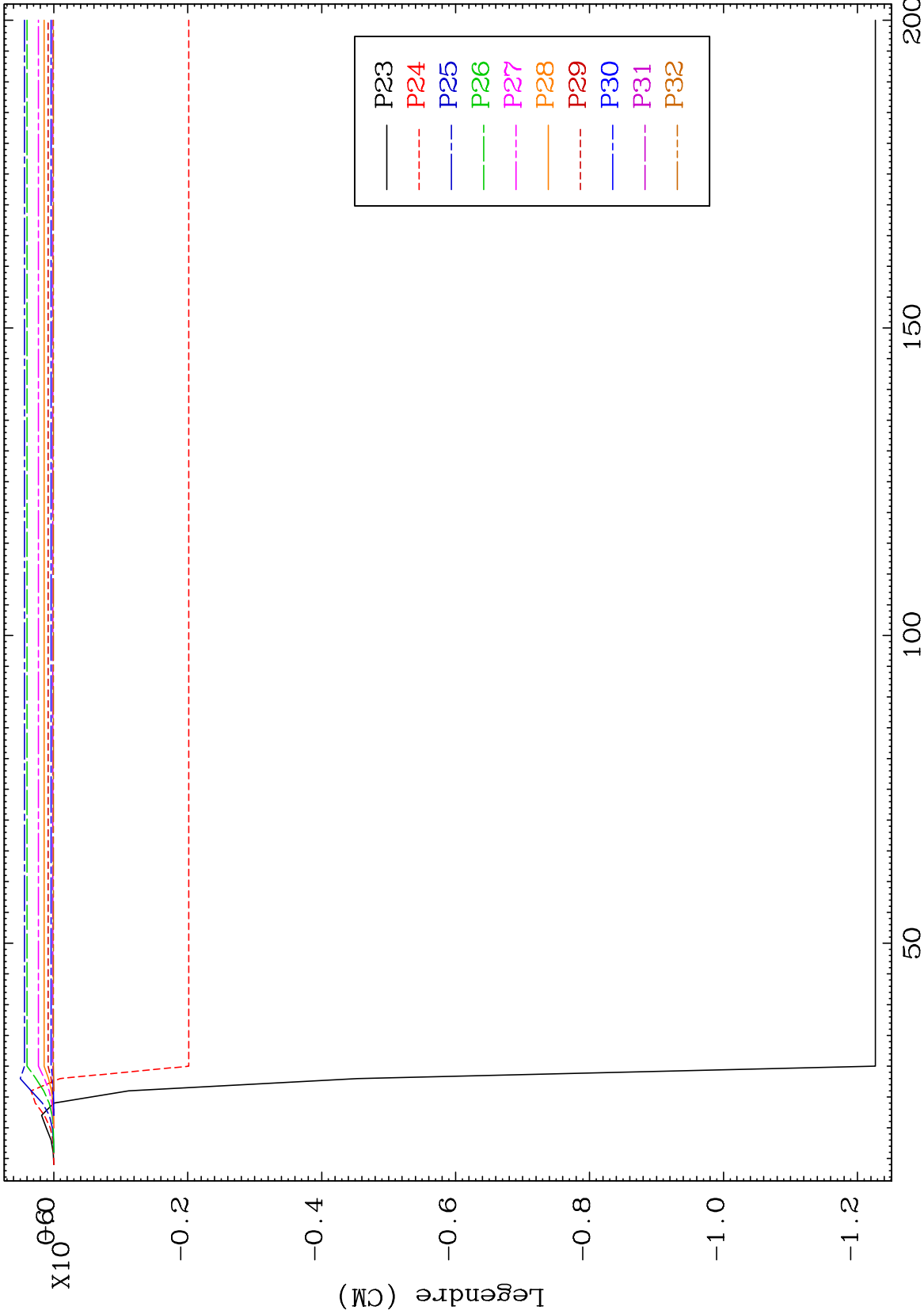


76

Incident Energy (MeV)

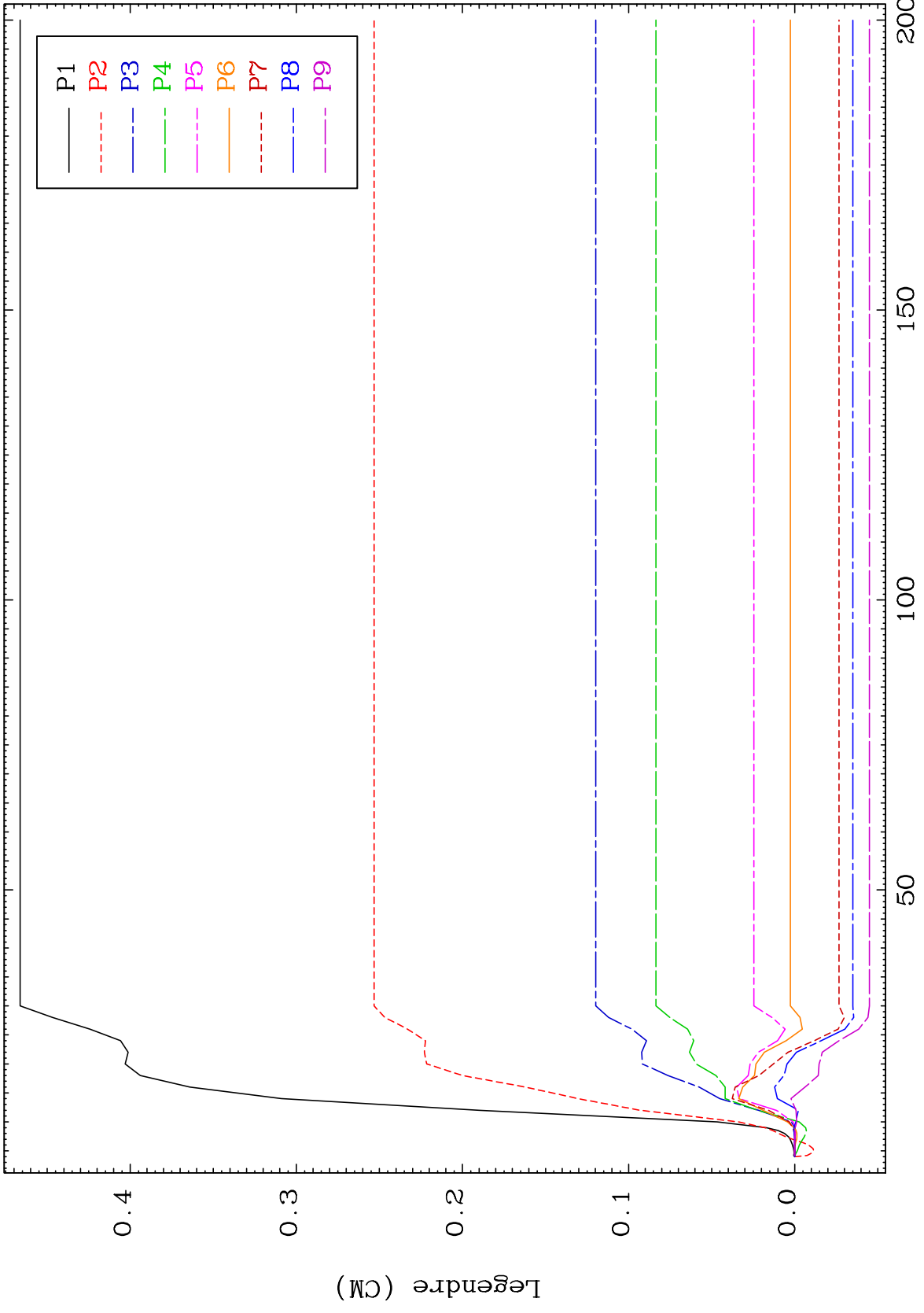
50-Sn-133

MAT 5088 MT= 66 (n,n') Level Legendre Coefficients 50-Sn-133



77 50-Sn-133

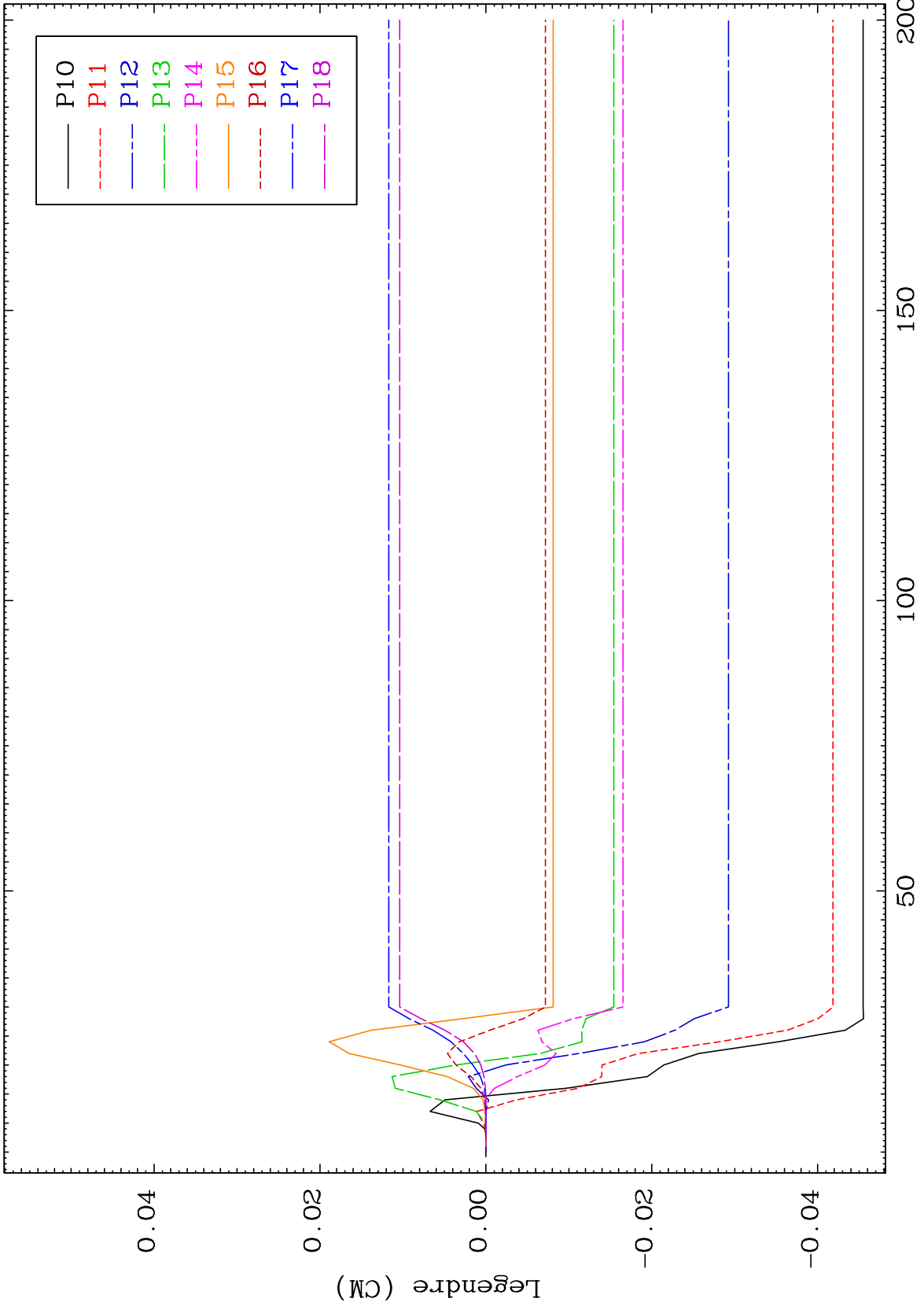
MAT 5088 MT= 67 (n,n') Level Legendre Coefficients 50-Sn-133



MAT 5088

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

50-Sn-133



79

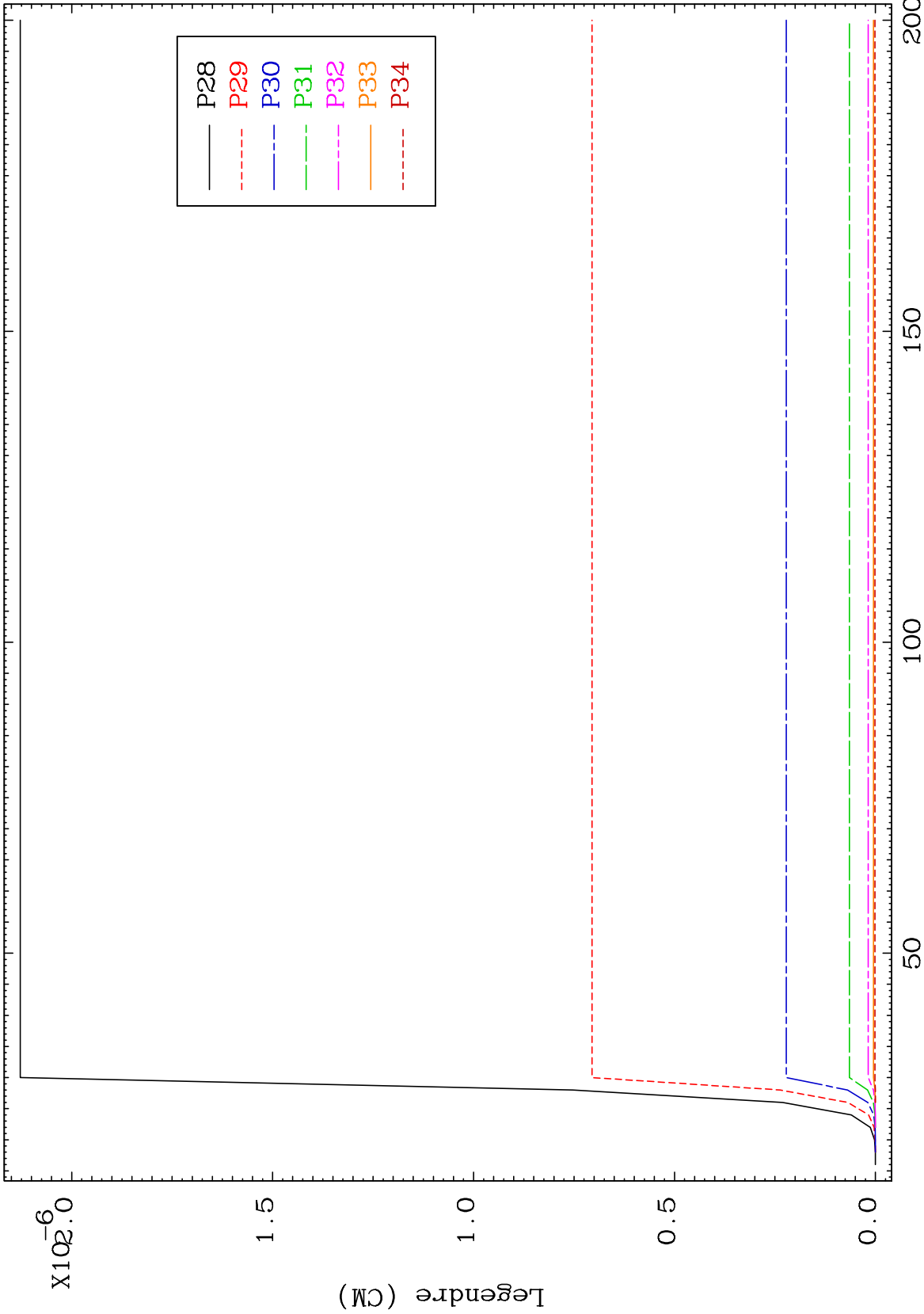
Incident Energy (MeV)

50-Sn-133

MAT 5088

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

50-Sn-133

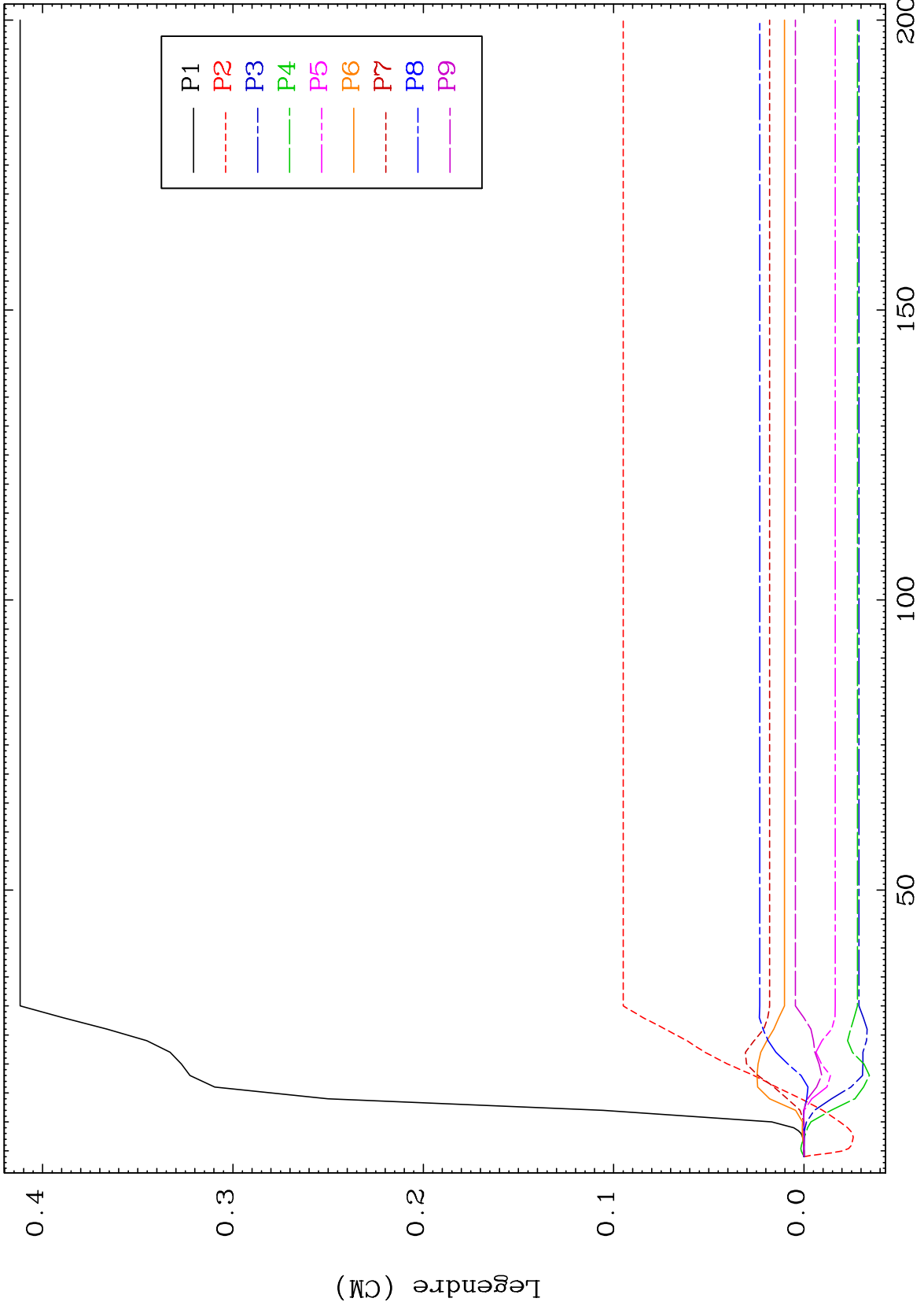


81

Incident Energy (MeV)

50-Sn-133

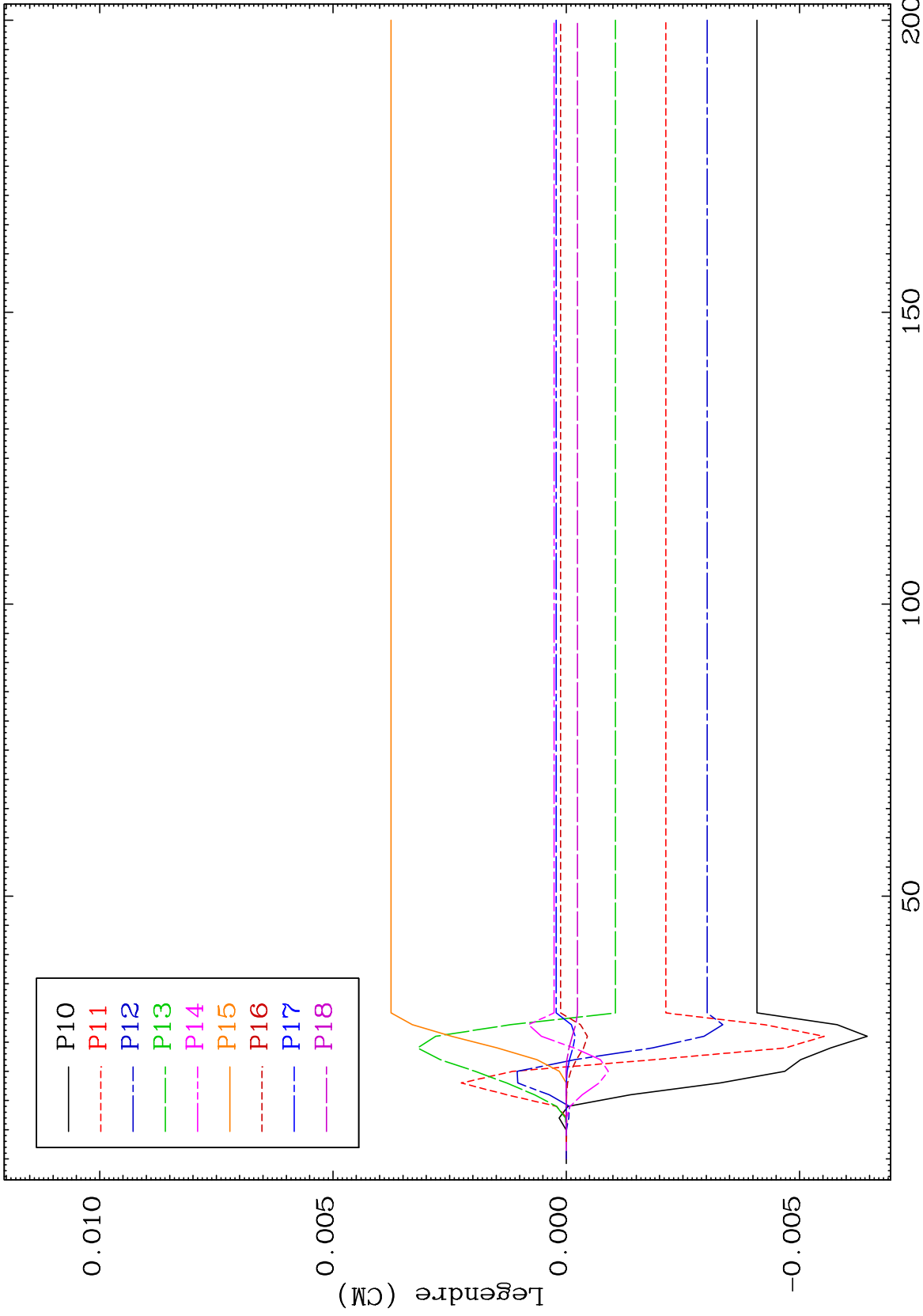
MAT 5088 MT= 68 (n,n') Level Legendre Coefficients 50-Sn-133



MAT 5088

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

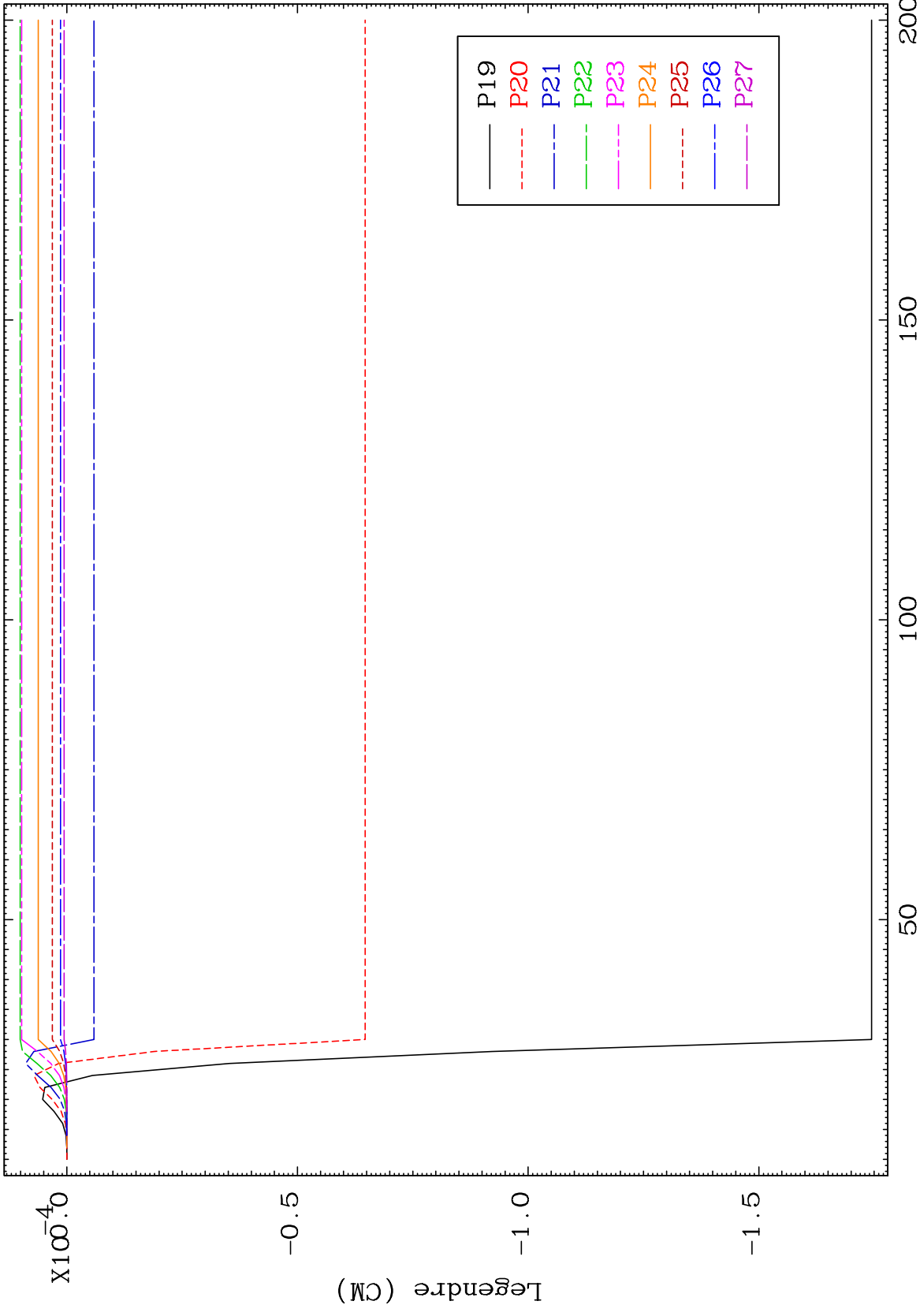
50-Sn-133



MAT 5088

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

50-Sn-133



50-Sn-133

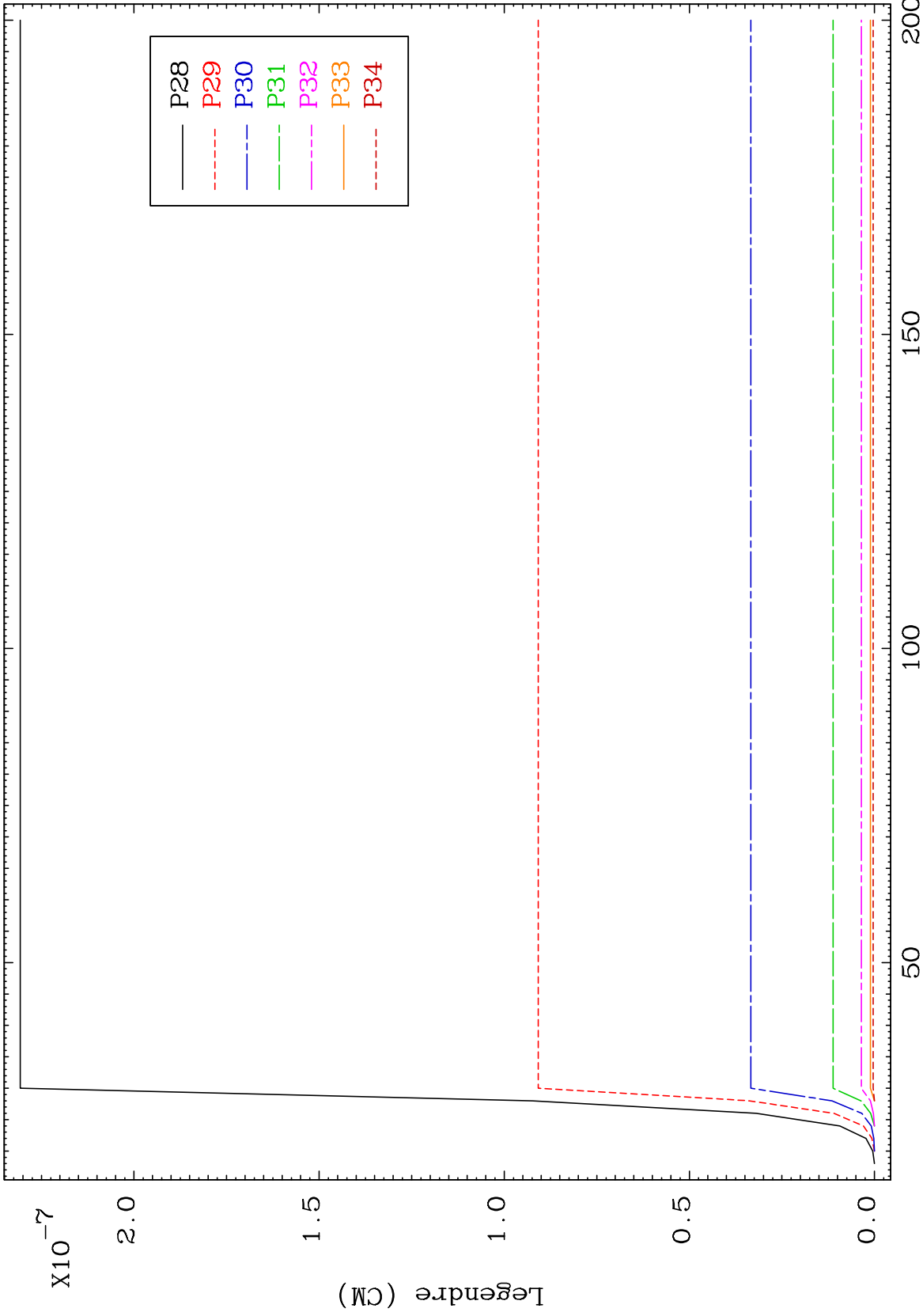
Incident Energy (MeV)

84

MAT 5088

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

50-Sn-133



85

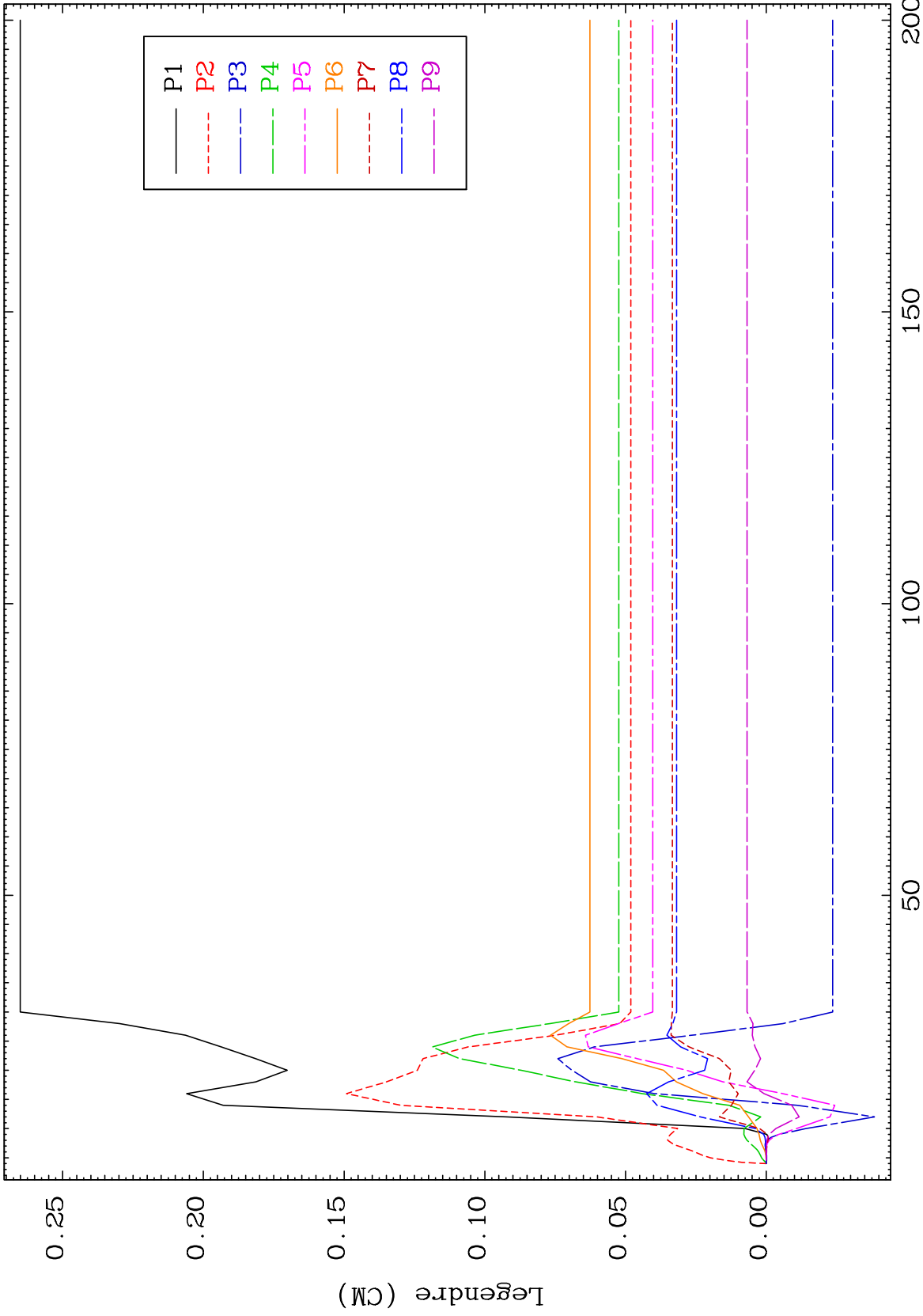
Incident Energy (MeV)

50-Sn-133

MAT 5088

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

50-Sn-133



86

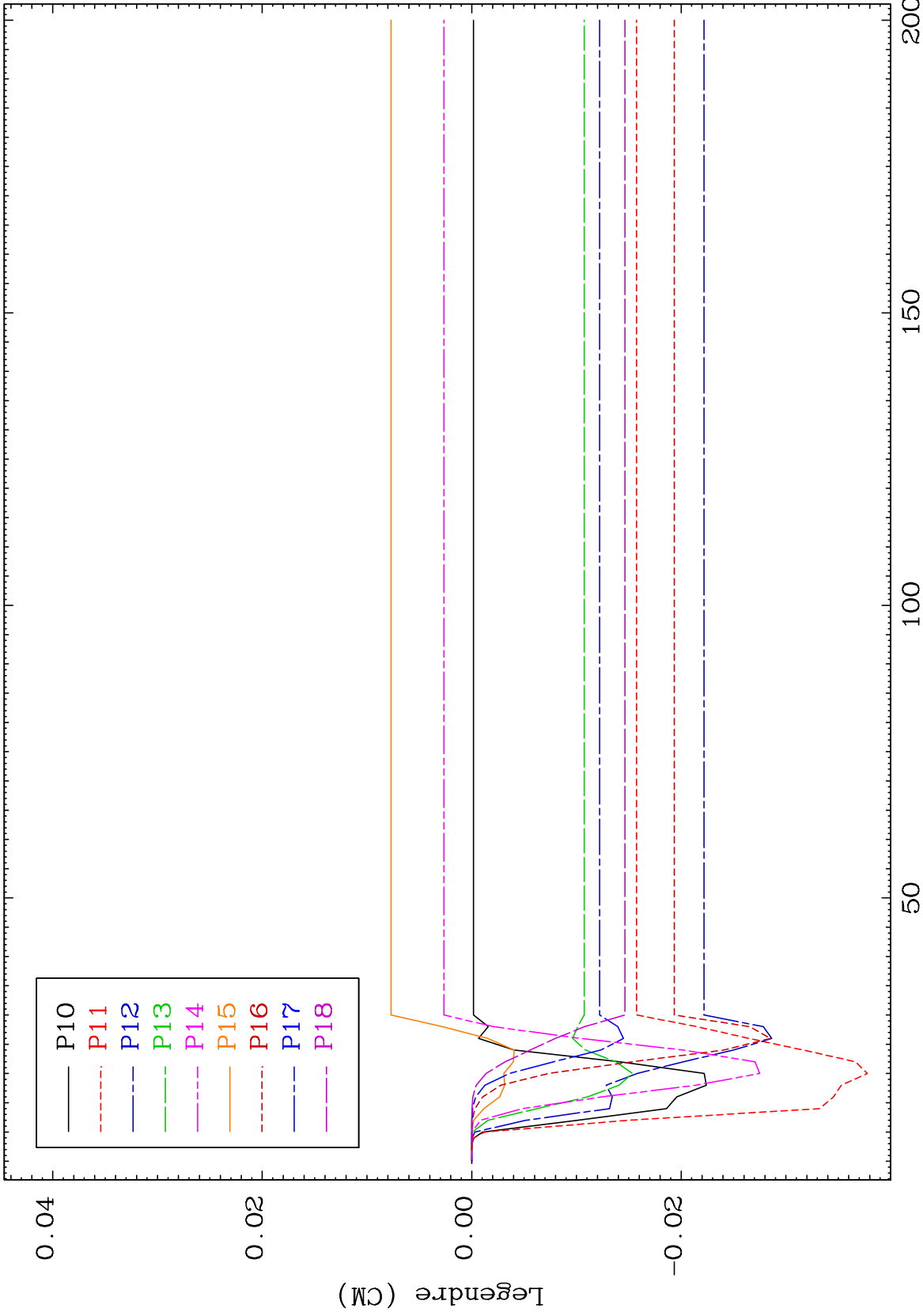
Incident Energy (MeV)

50-Sn-133

MAT 5088

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

50-Sn-133

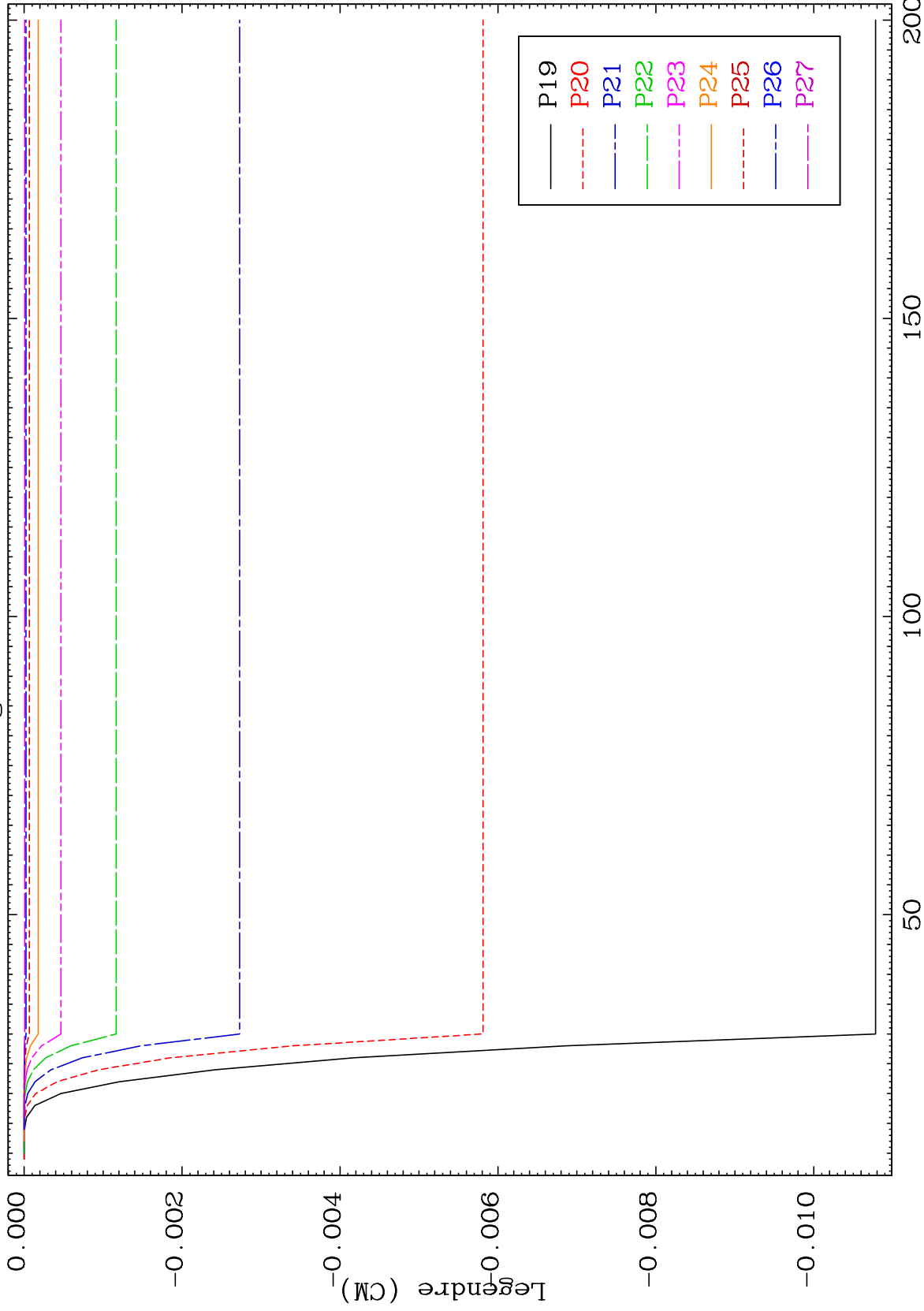


87

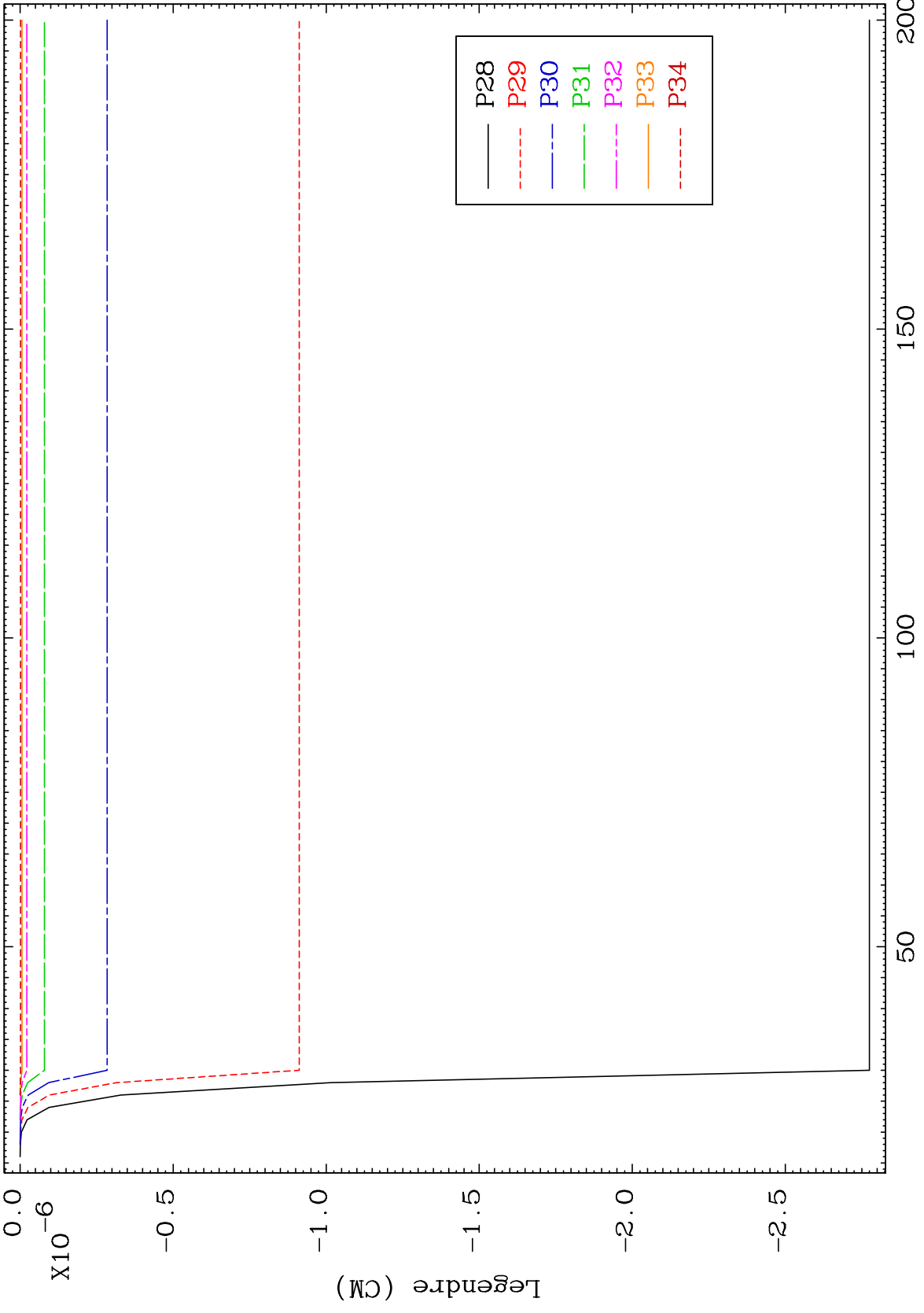
Incident Energy (MeV)

50-Sn-133

MAT 5088 MT= 69 (n,n') Level Legendre Coefficients 50-Sn-133



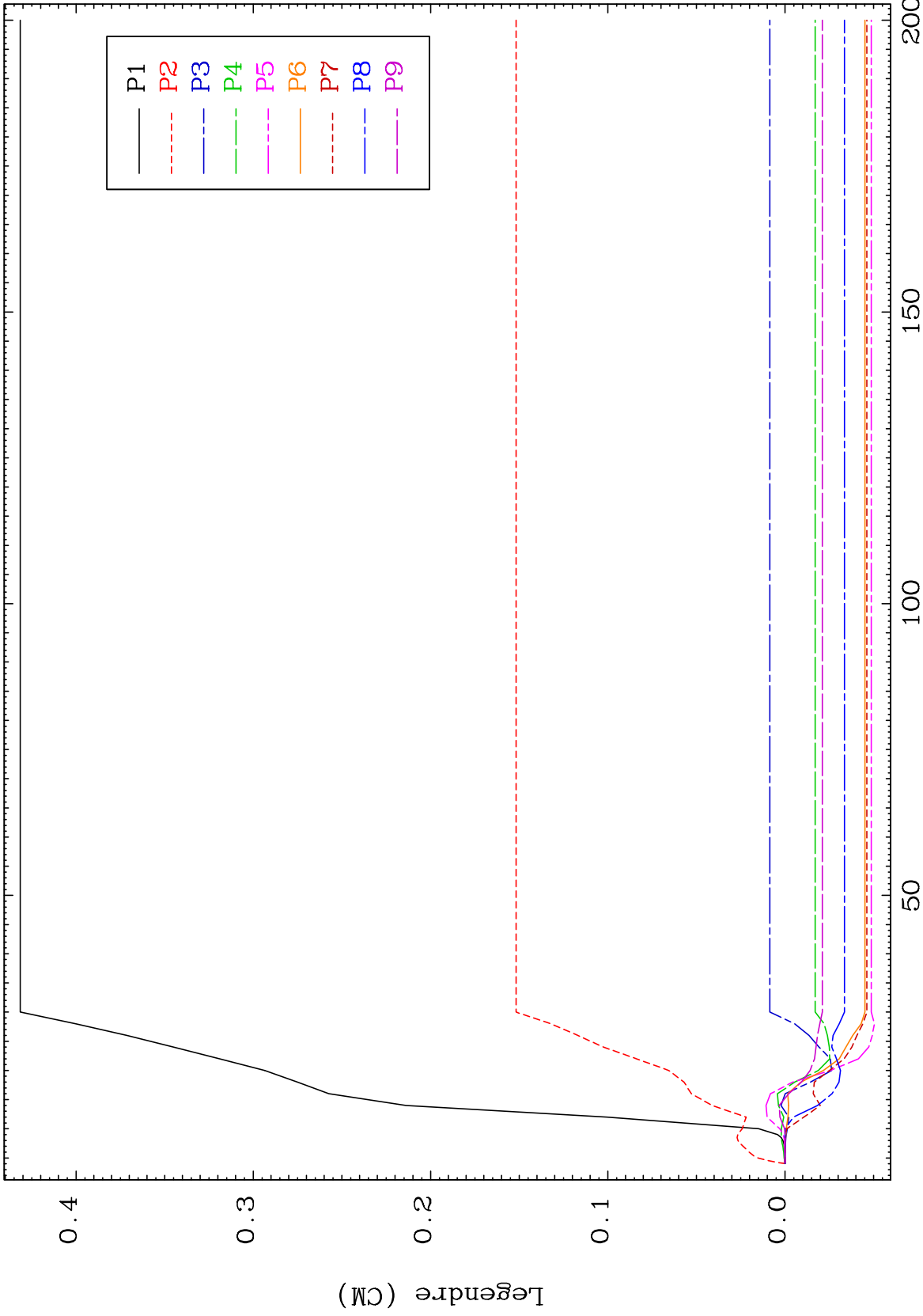
MAT 5088 MT= 69 (n,n') Level Legendre Coefficients 50-Sn-133



MAT 5088

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

50-Sn-133



90

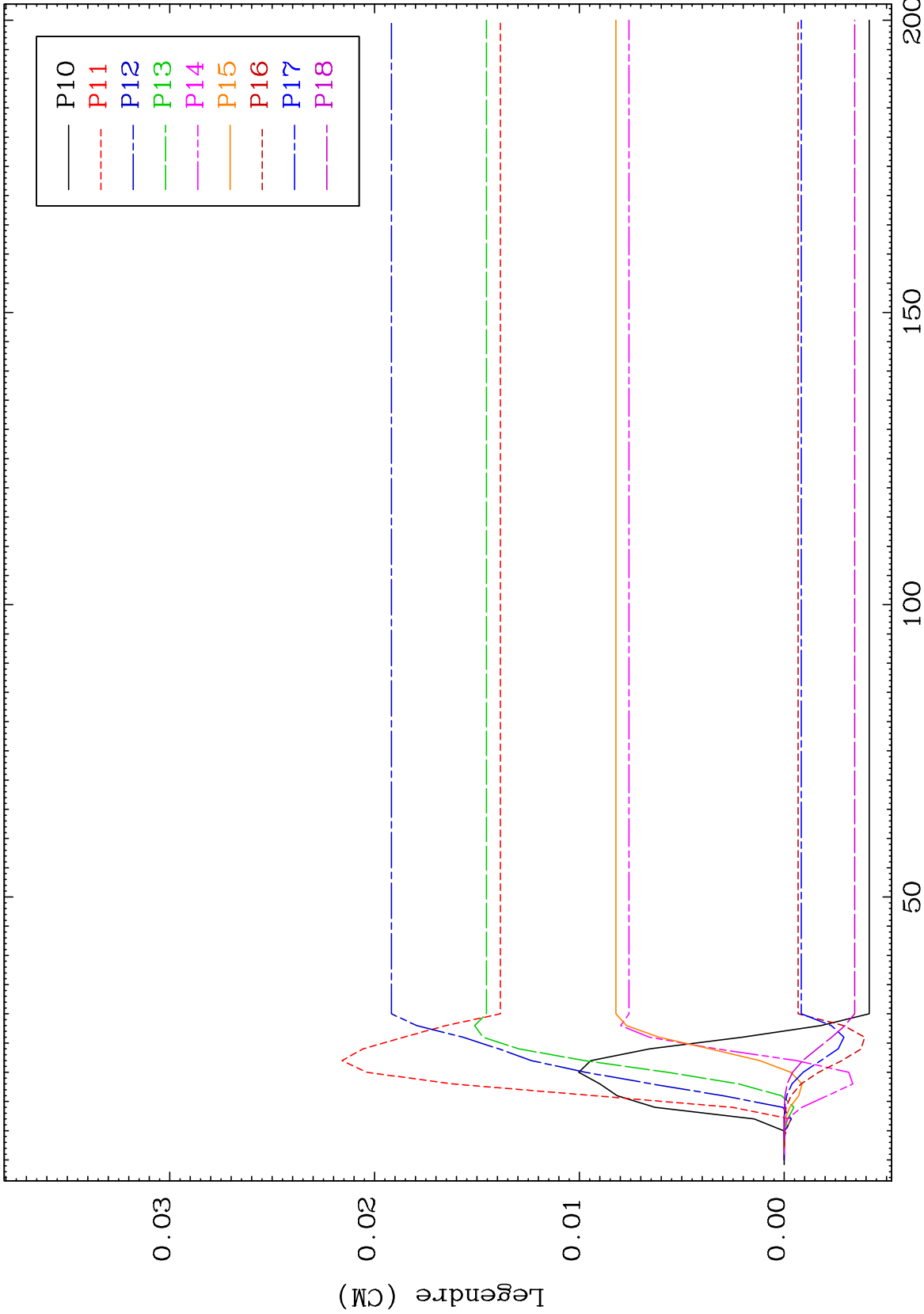
Incident Energy (MeV)

50-Sn-133

MAT 5088

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

50-Sn-133



91

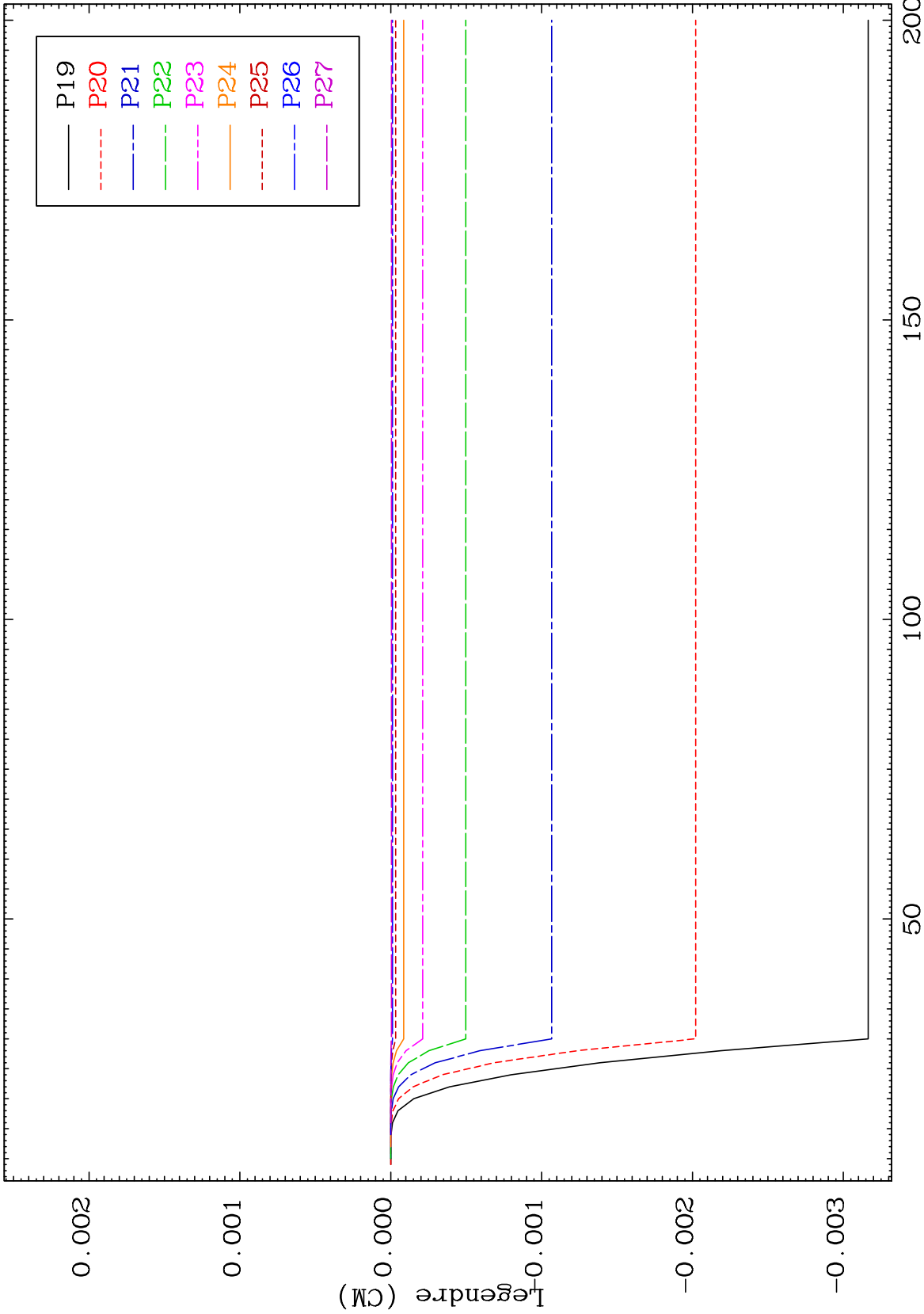
Incident Energy (MeV)

50-Sn-133

MAT 5088

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

50-Sn-133

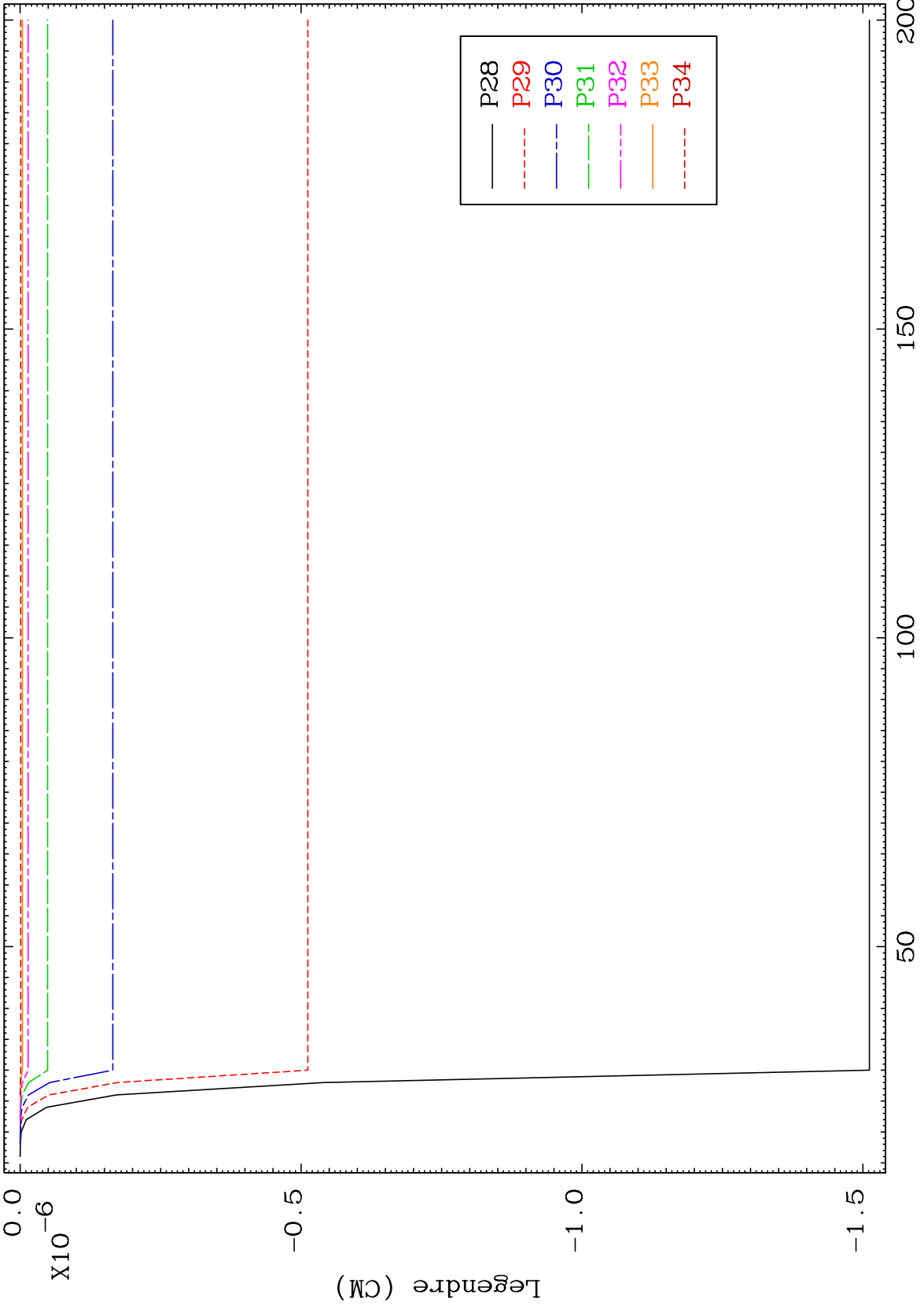


92

Incident Energy (MeV)

50-Sn-133

MAT 5088 MT= 70 (n,n') Level Legendre Coefficients 50-Sn-133

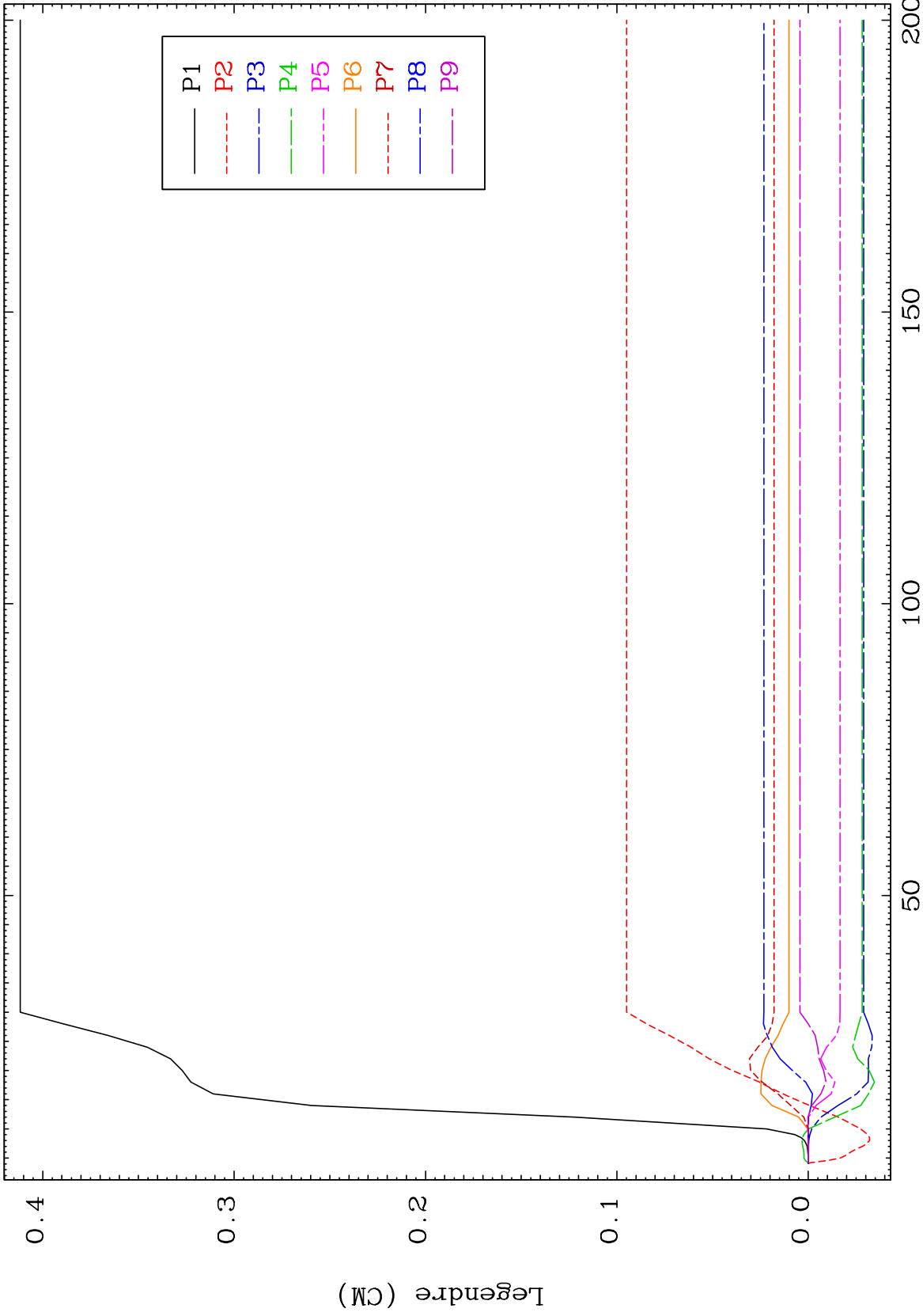


93 50-Sn-133

MAT 5088

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

50-Sn-133



94

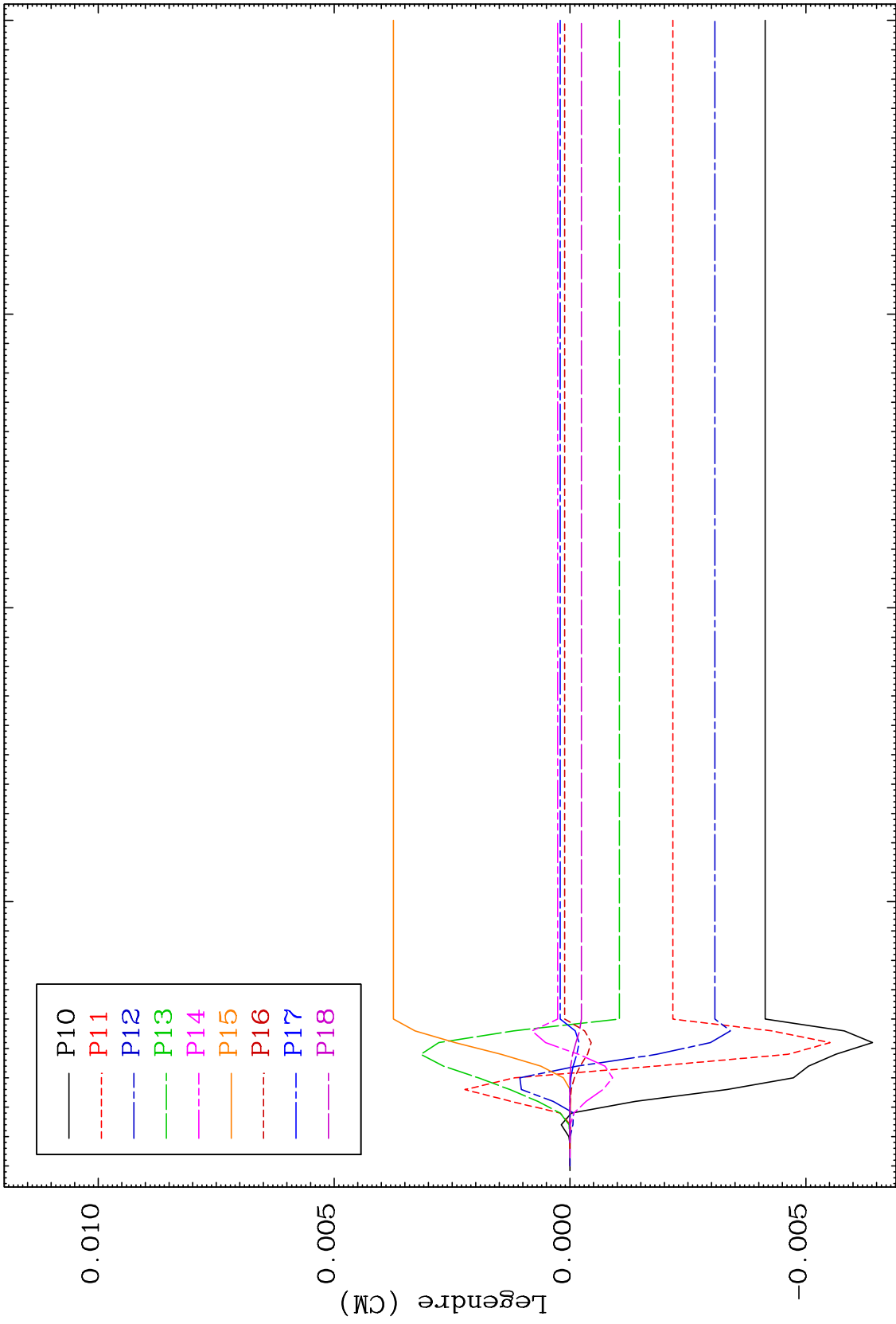
Incident Energy (MeV)

50-Sn-133

MAT 5088

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

50-Sn-133



95

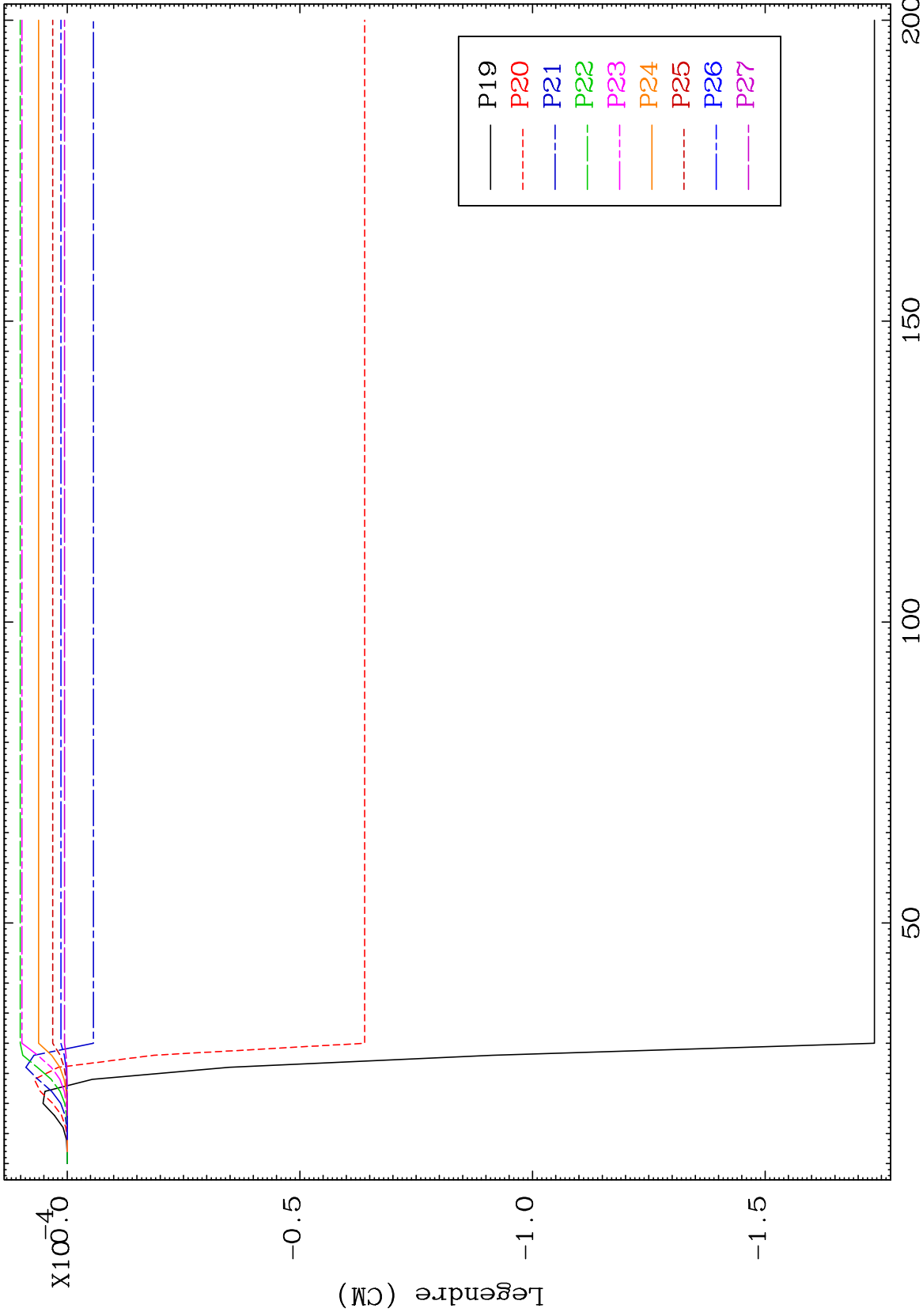
Incident Energy (MeV)

50-Sn-133

MAT 5088

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

50-Sn-133



96

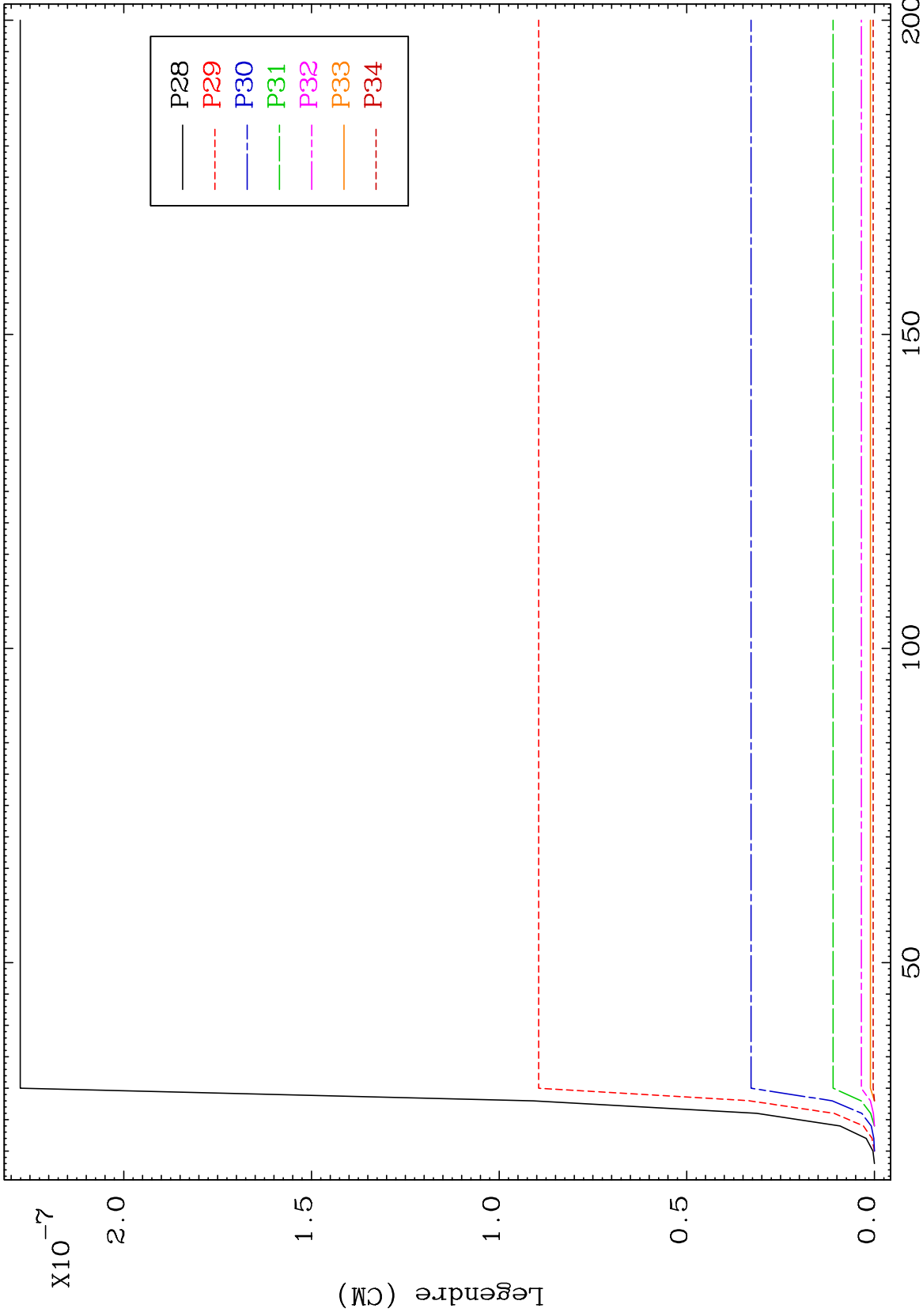
Incident Energy (MeV)

50-Sn-133

MAT 5088

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

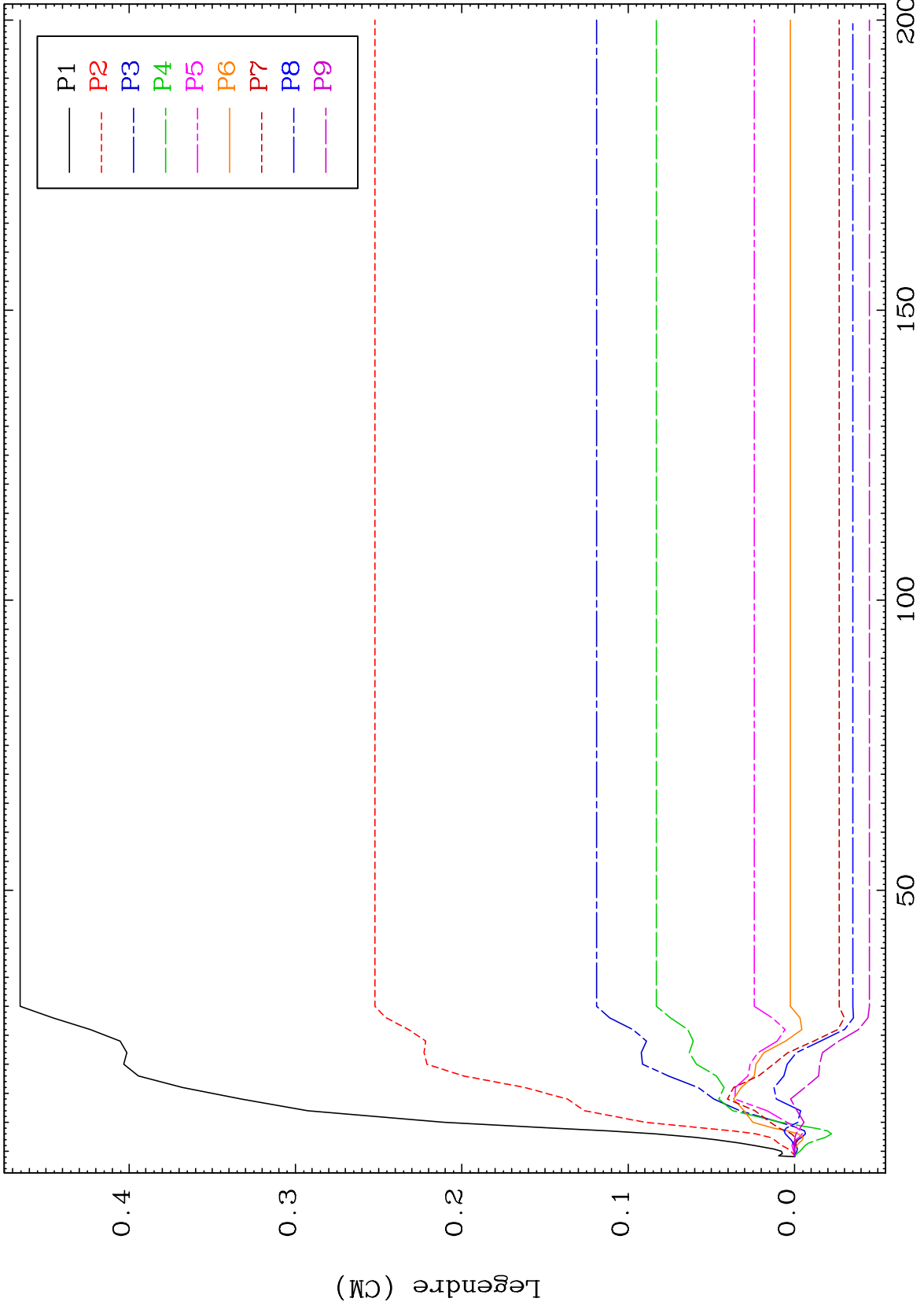
50-Sn-133



97

Incident Energy (MeV)

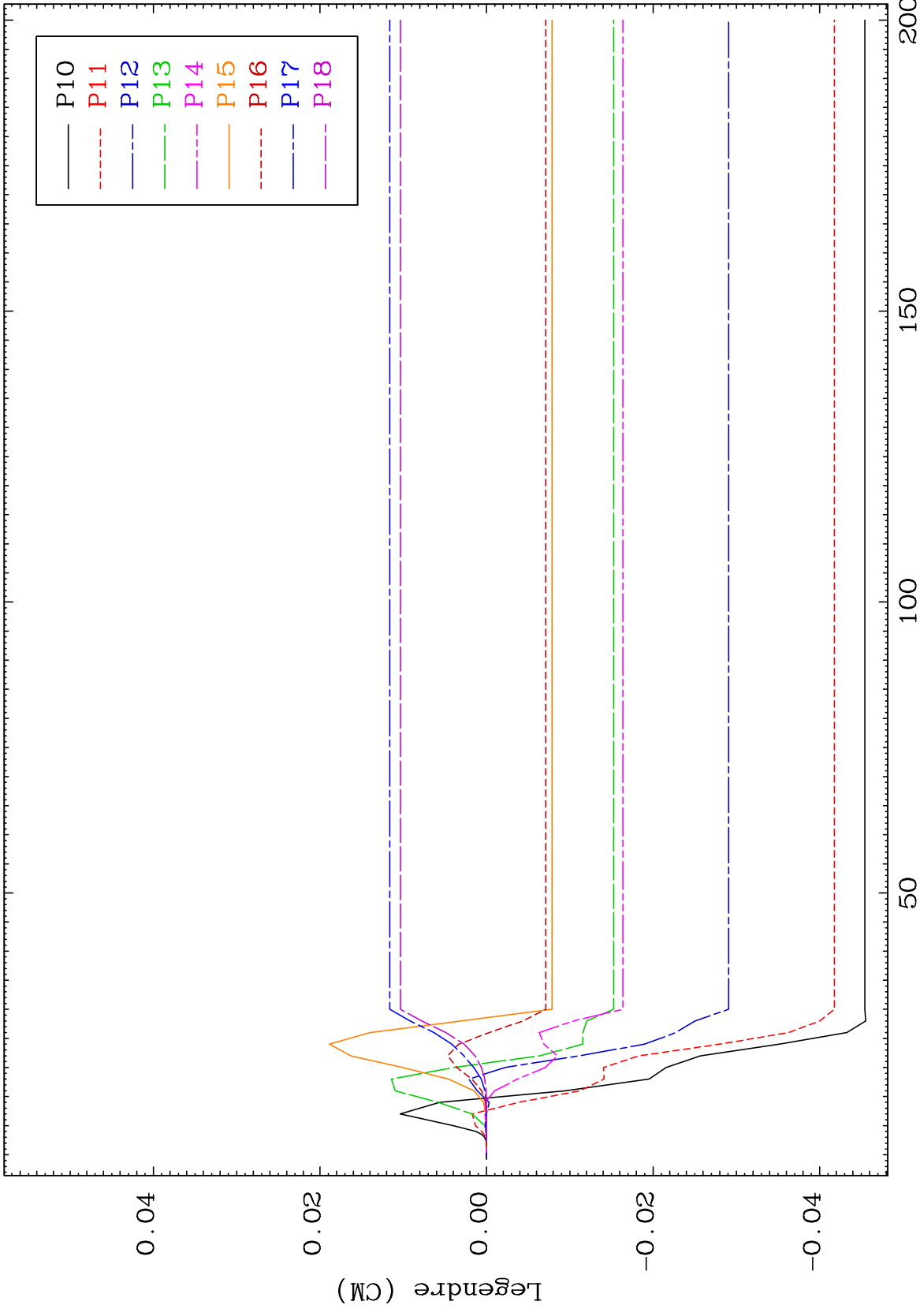
50-Sn-133



MAT 5088

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

50-Sn-133



99

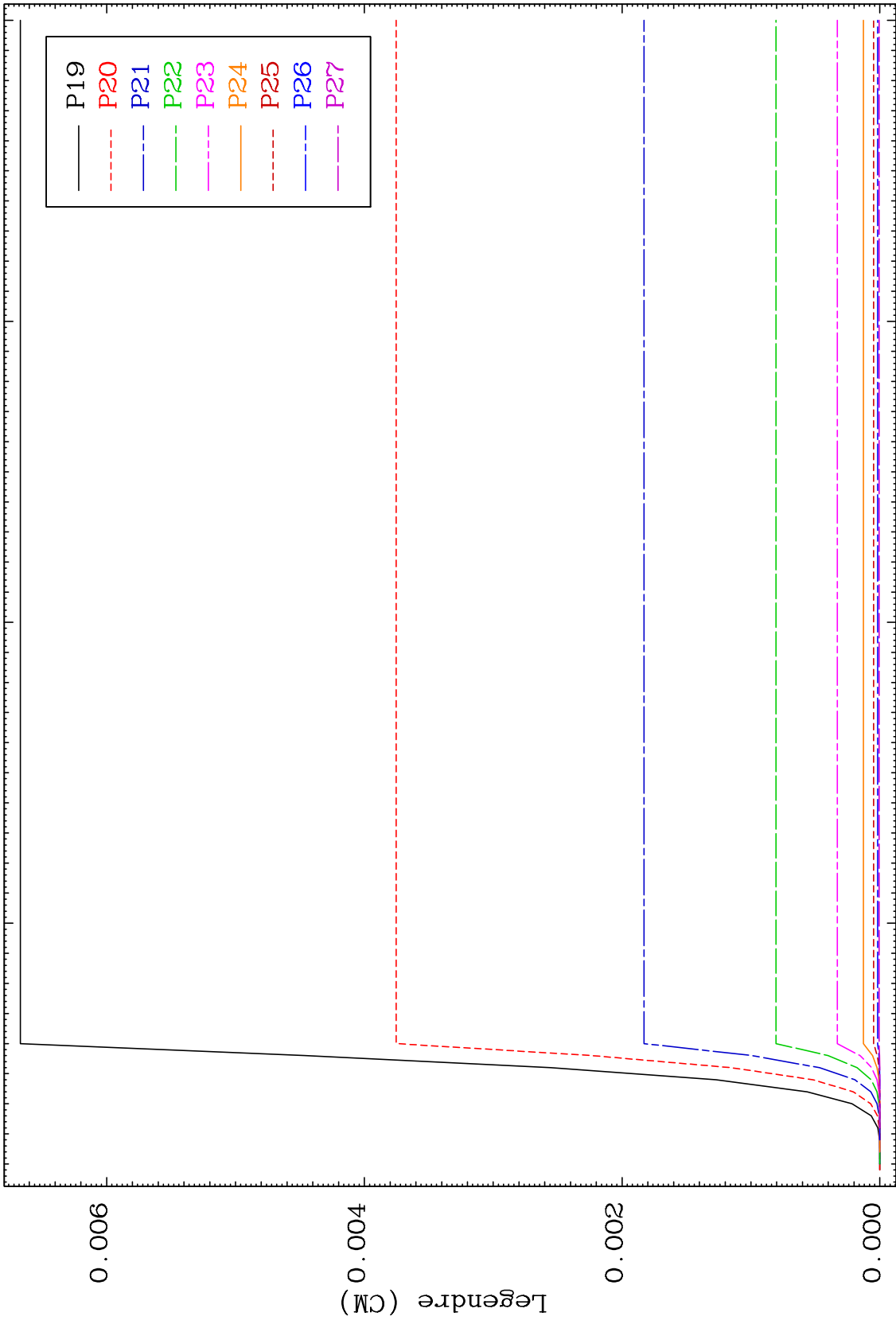
Incident Energy (MeV)

50-Sn-133

MAT 5088

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

50-Sn-133



100

50

100

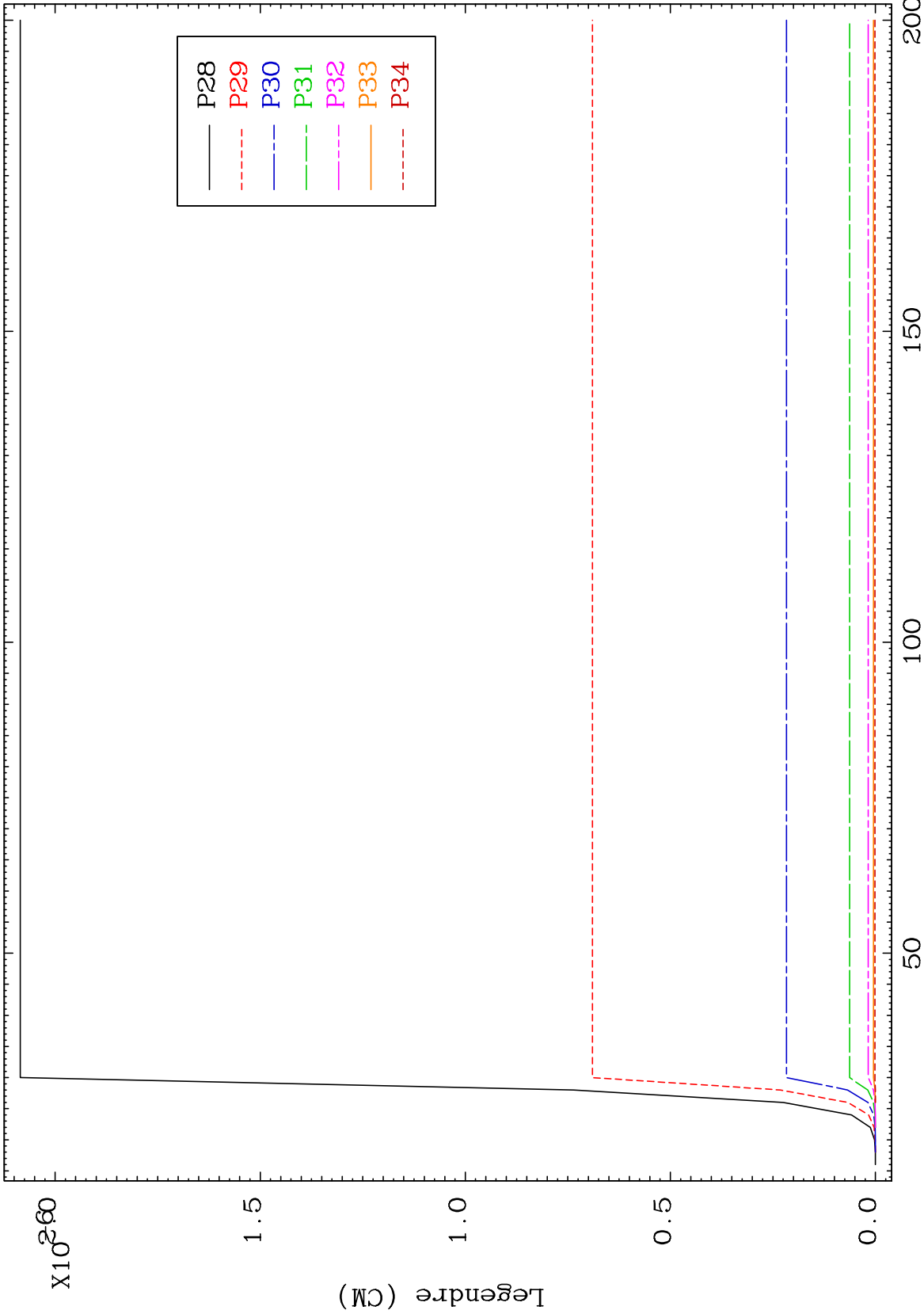
Incident Energy (MeV)

50-Sn-133

MAT 5088

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

50-Sn-133

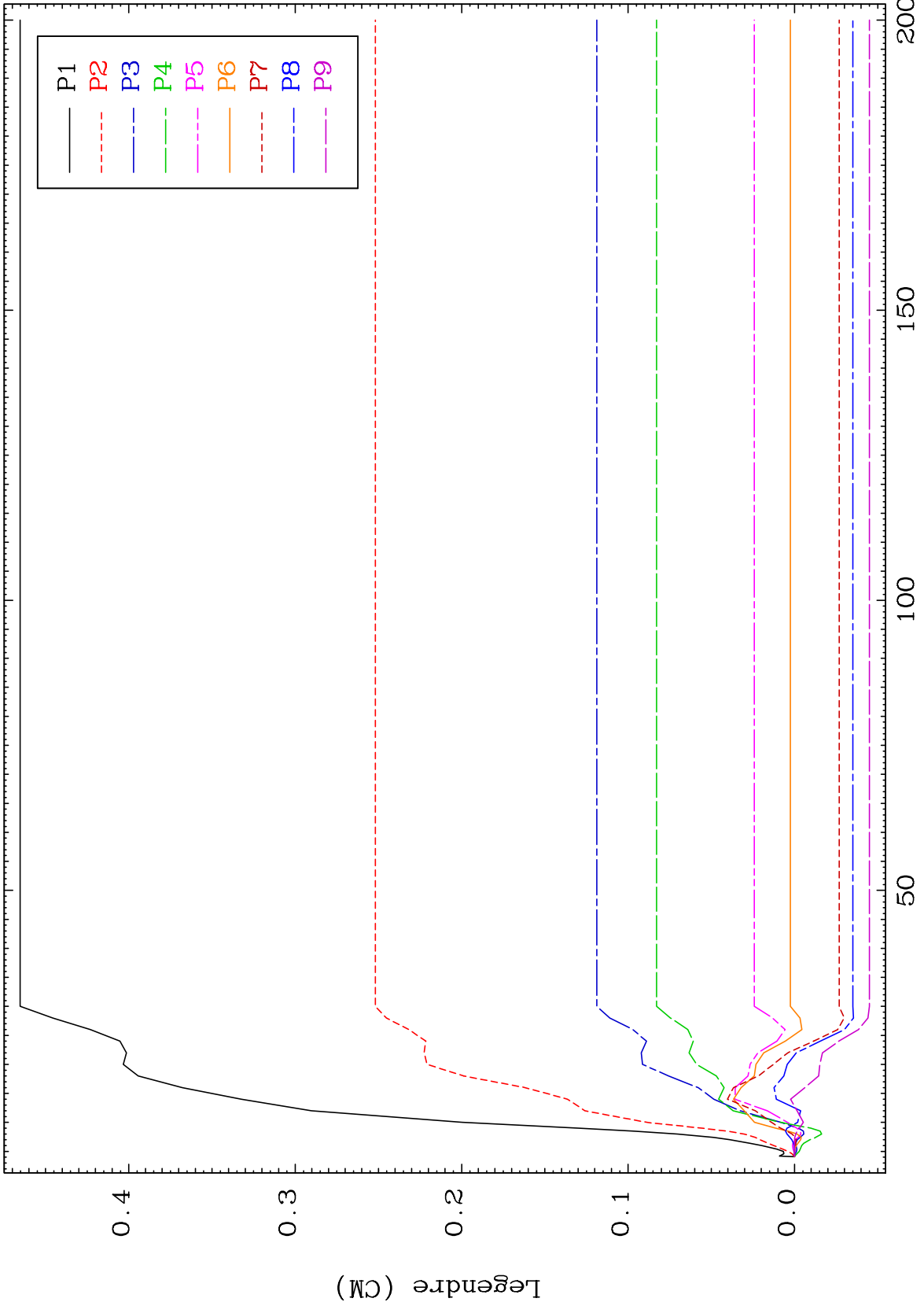


101

Incident Energy (MeV)

50-Sn-133

MAT 5088 MT= 73 (n,n') Level Legendre Coefficients 50-Sn-133

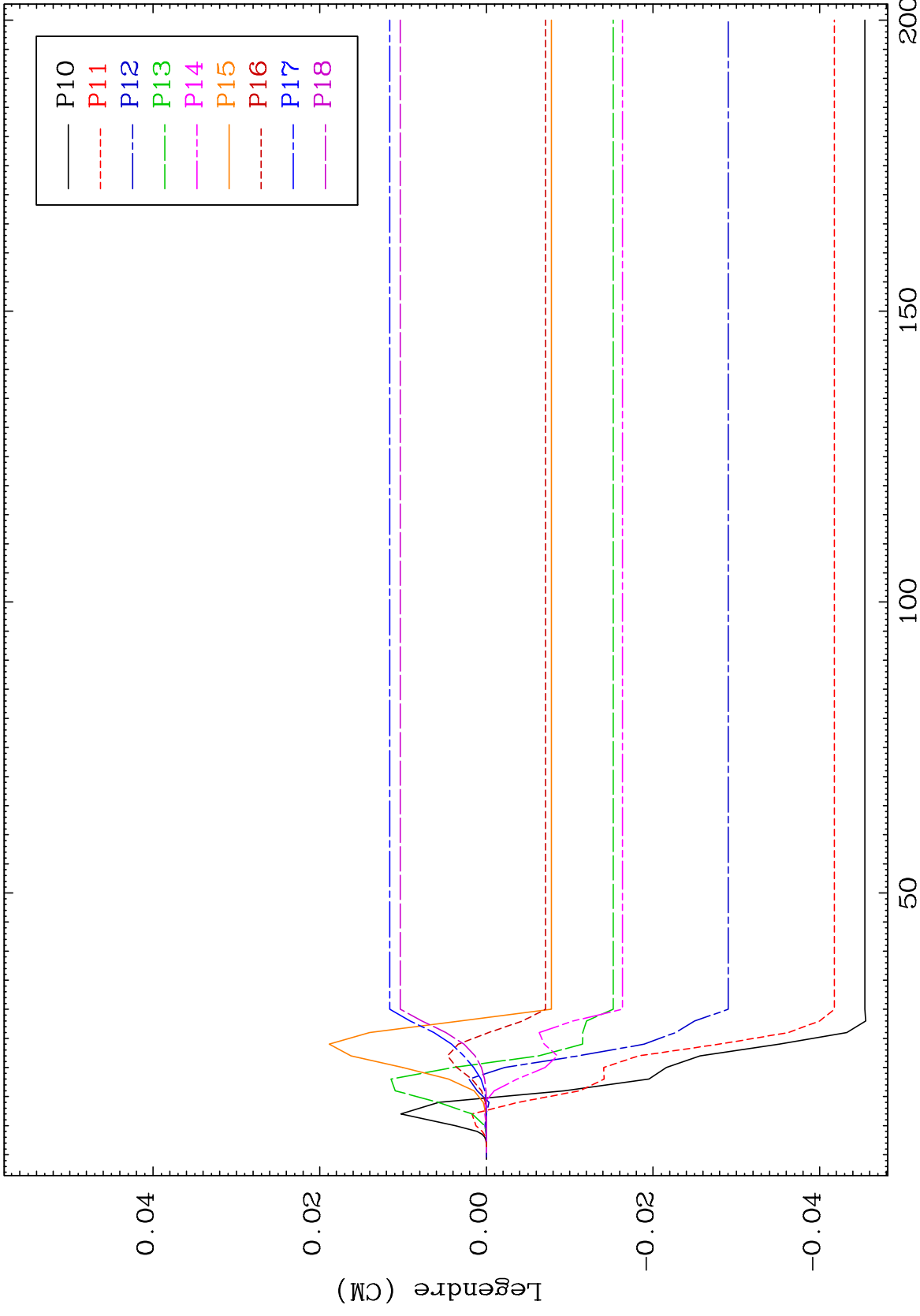


102 50-Sn-133

MAT 5088

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

50-Sn-133

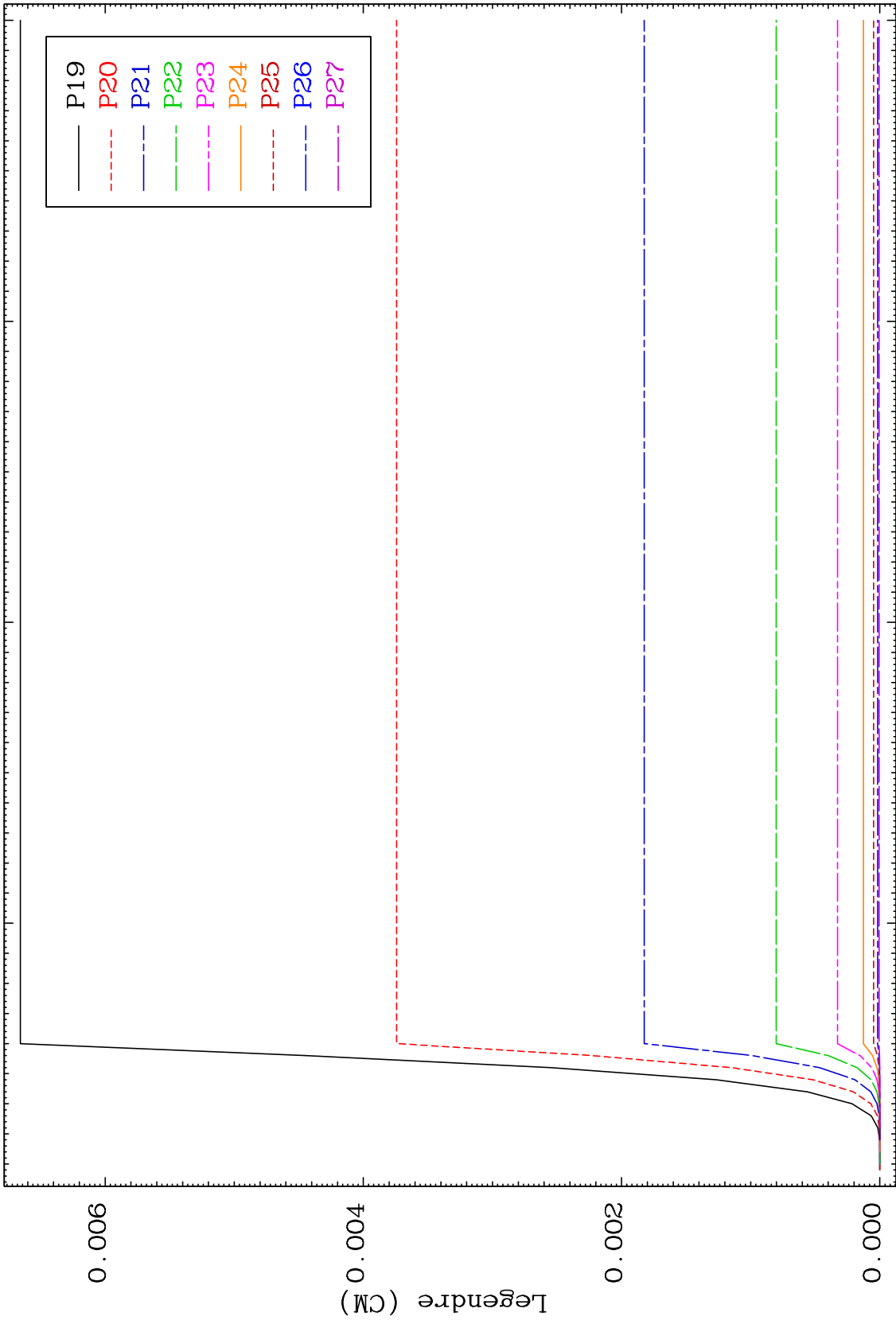


103

Incident Energy (MeV)

50-Sn-133

MAT 5088 MT= 73 (n,n') Level Legendre Coefficients 50-Sn-133

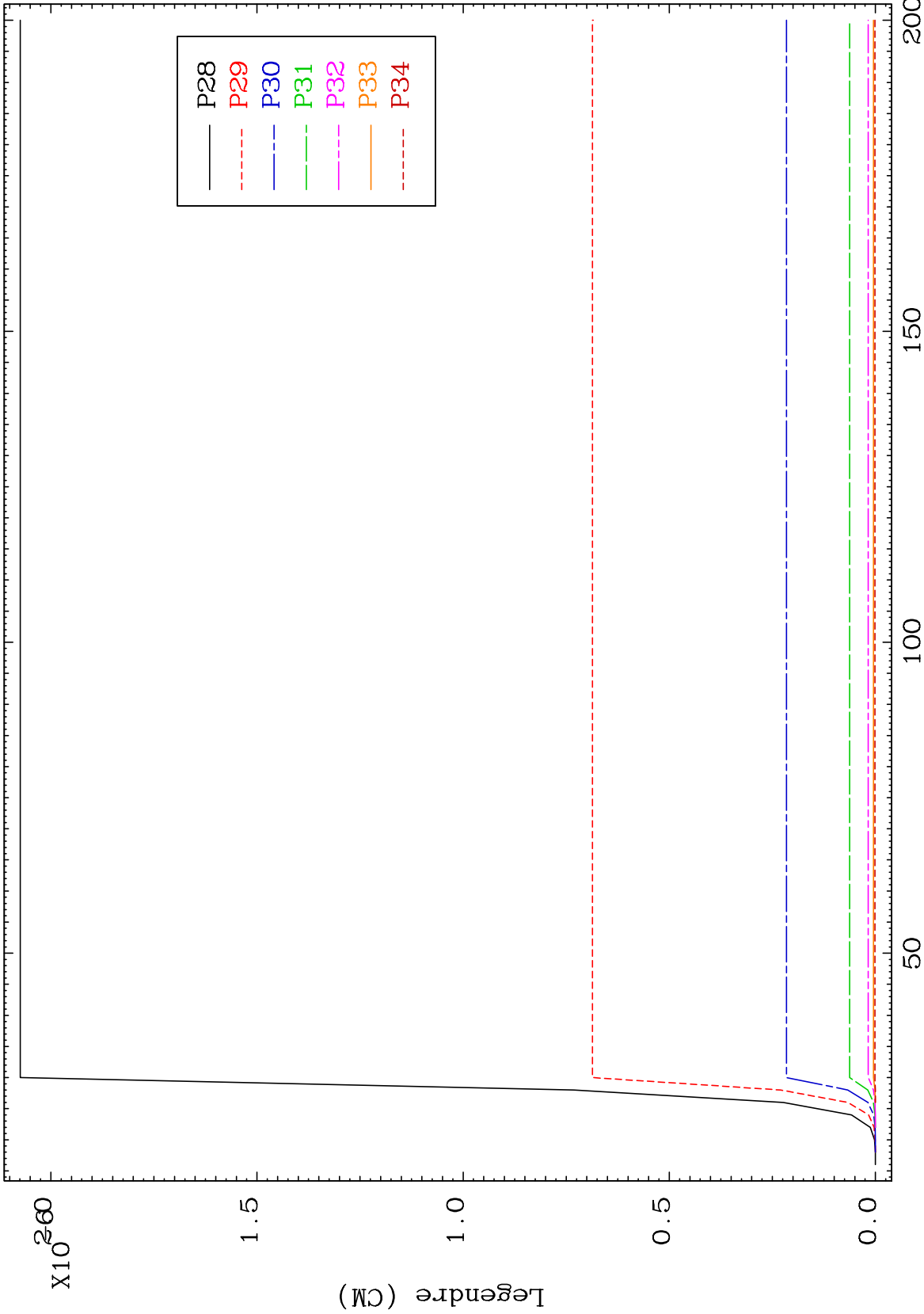


104 Incident Energy (MeV) 50-Sn-133

MAT 5088

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

50-Sn-133



105

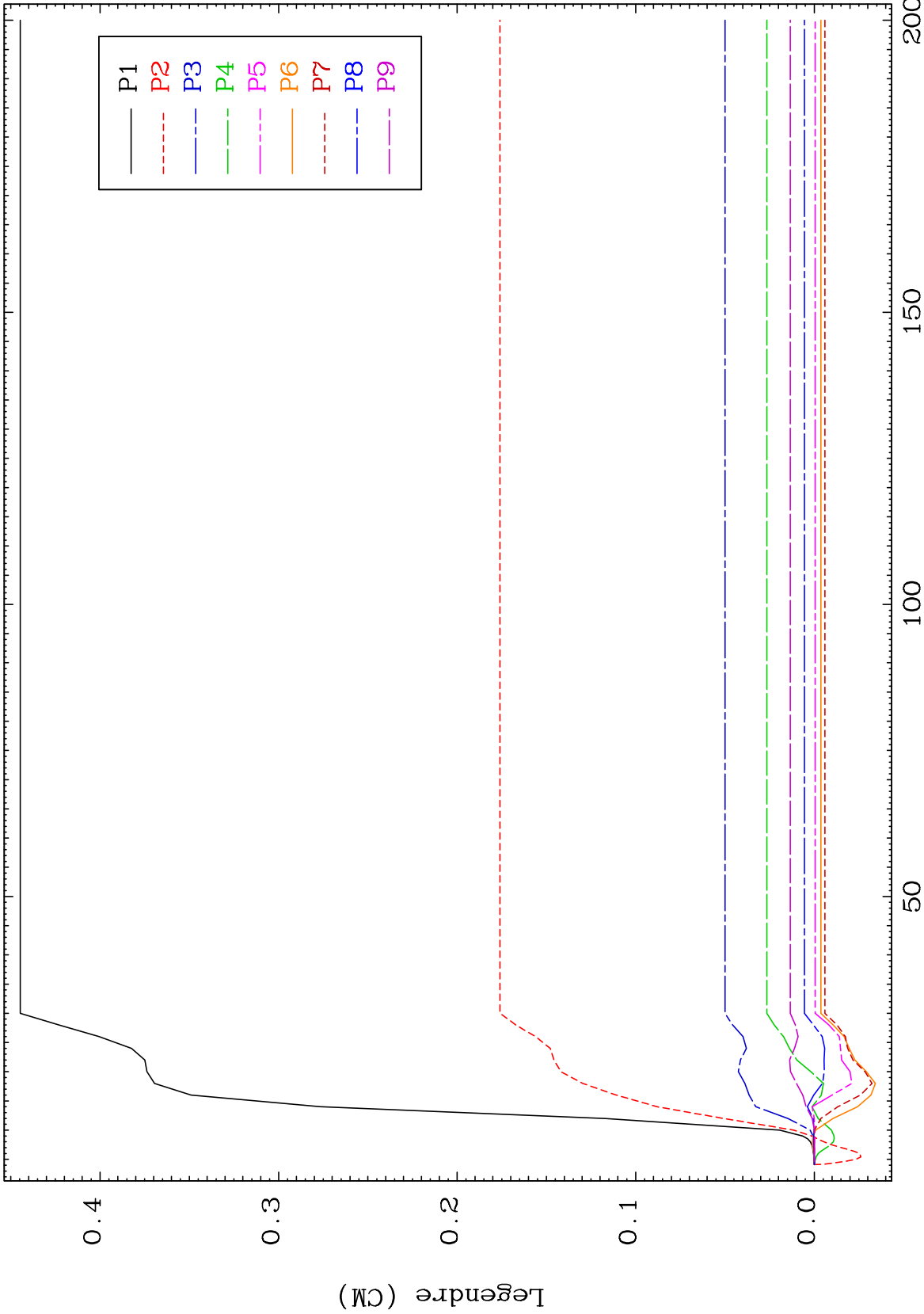
Incident Energy (MeV)

50-Sn-133

MAT 5088

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

50-Sn-133



106

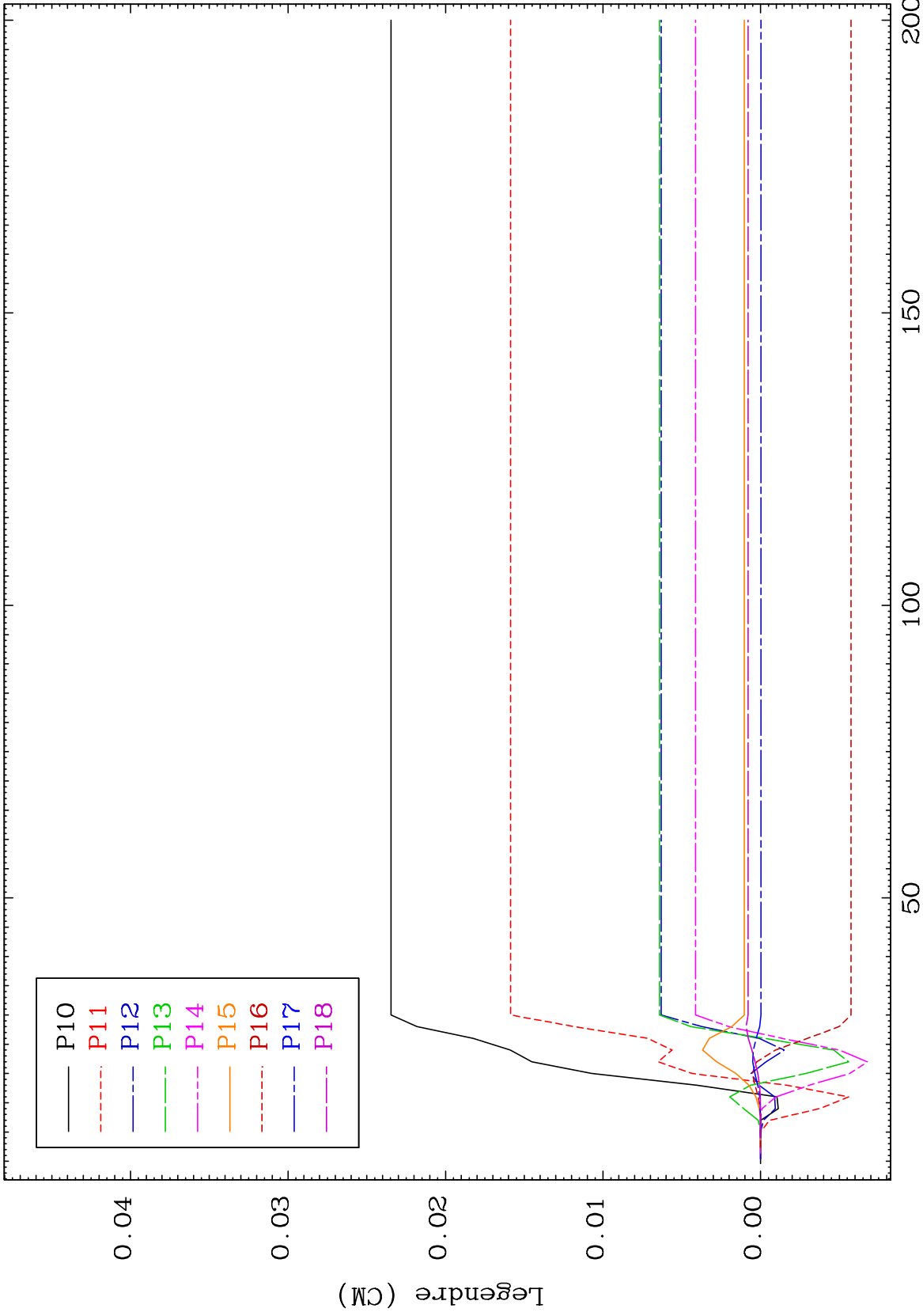
Incident Energy (MeV)

50-Sn-133

MAT 5088

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

50-Sn-133



107

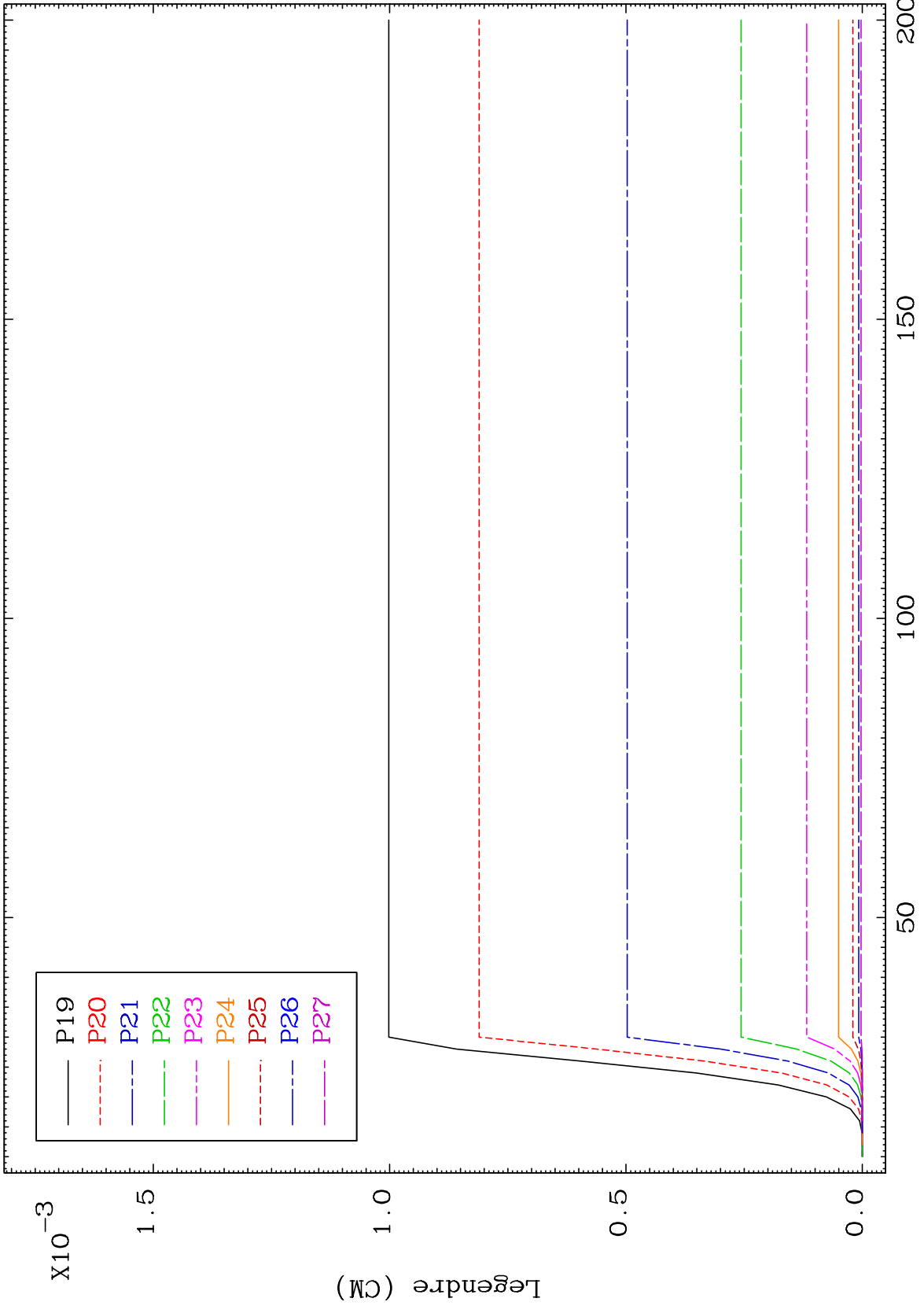
Incident Energy (MeV)

50-Sn-133

MAT 5088

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

50-Sn-133



108

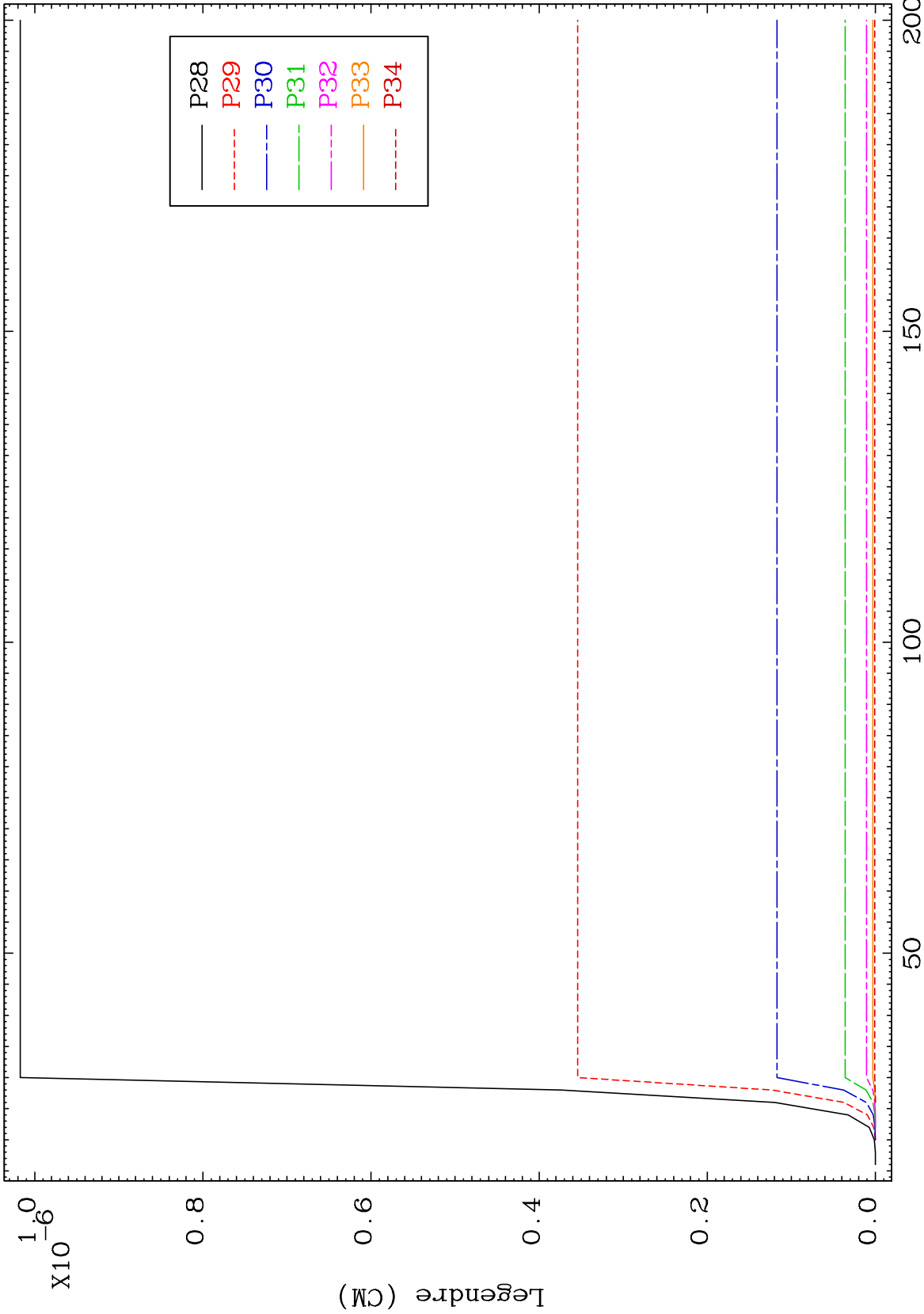
Incident Energy (MeV)

50-Sn-133

MAT 5088

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

50-Sn-133



109

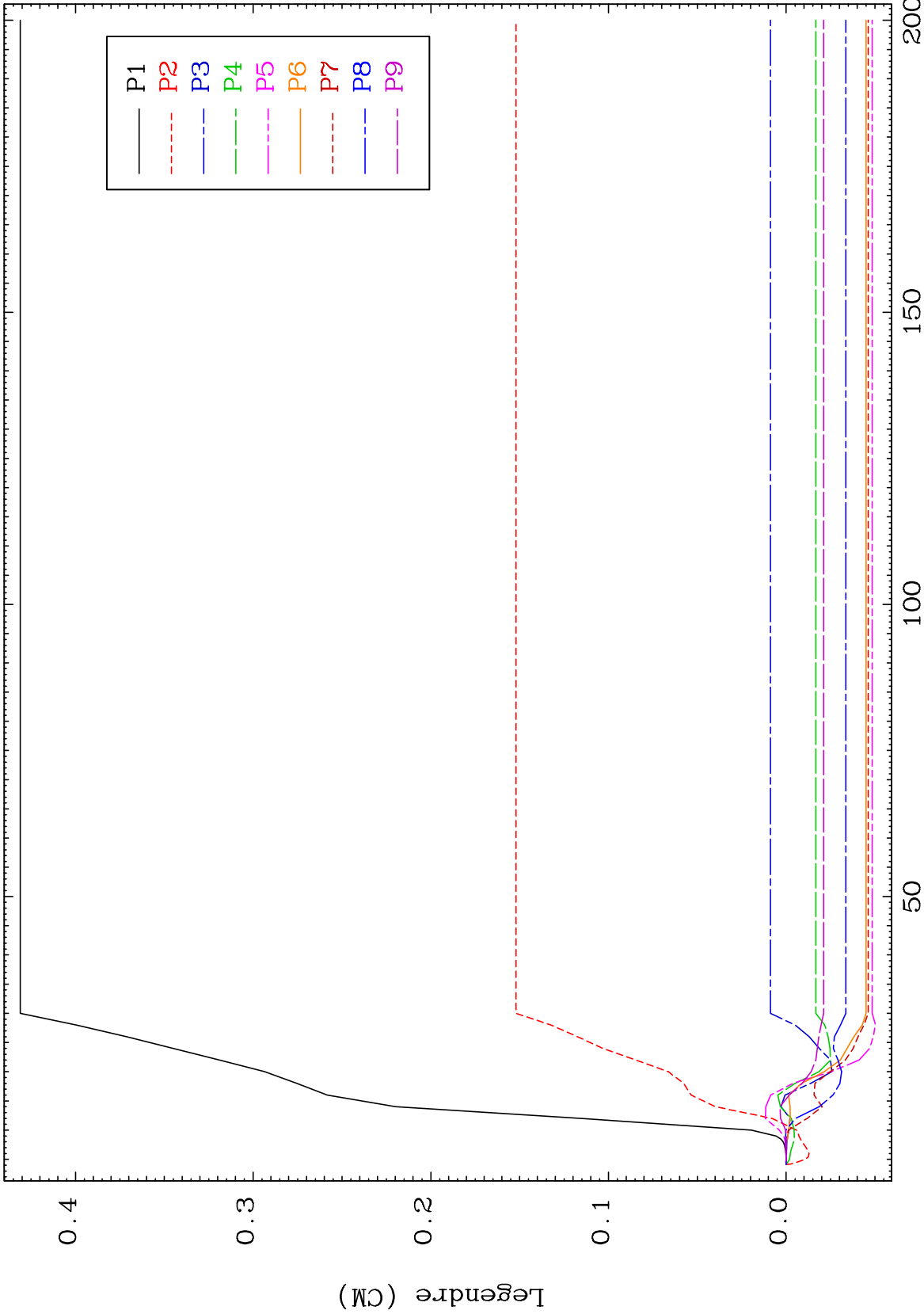
Incident Energy (MeV)

50-Sn-133

MAT 5088

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

50-Sn-133



110

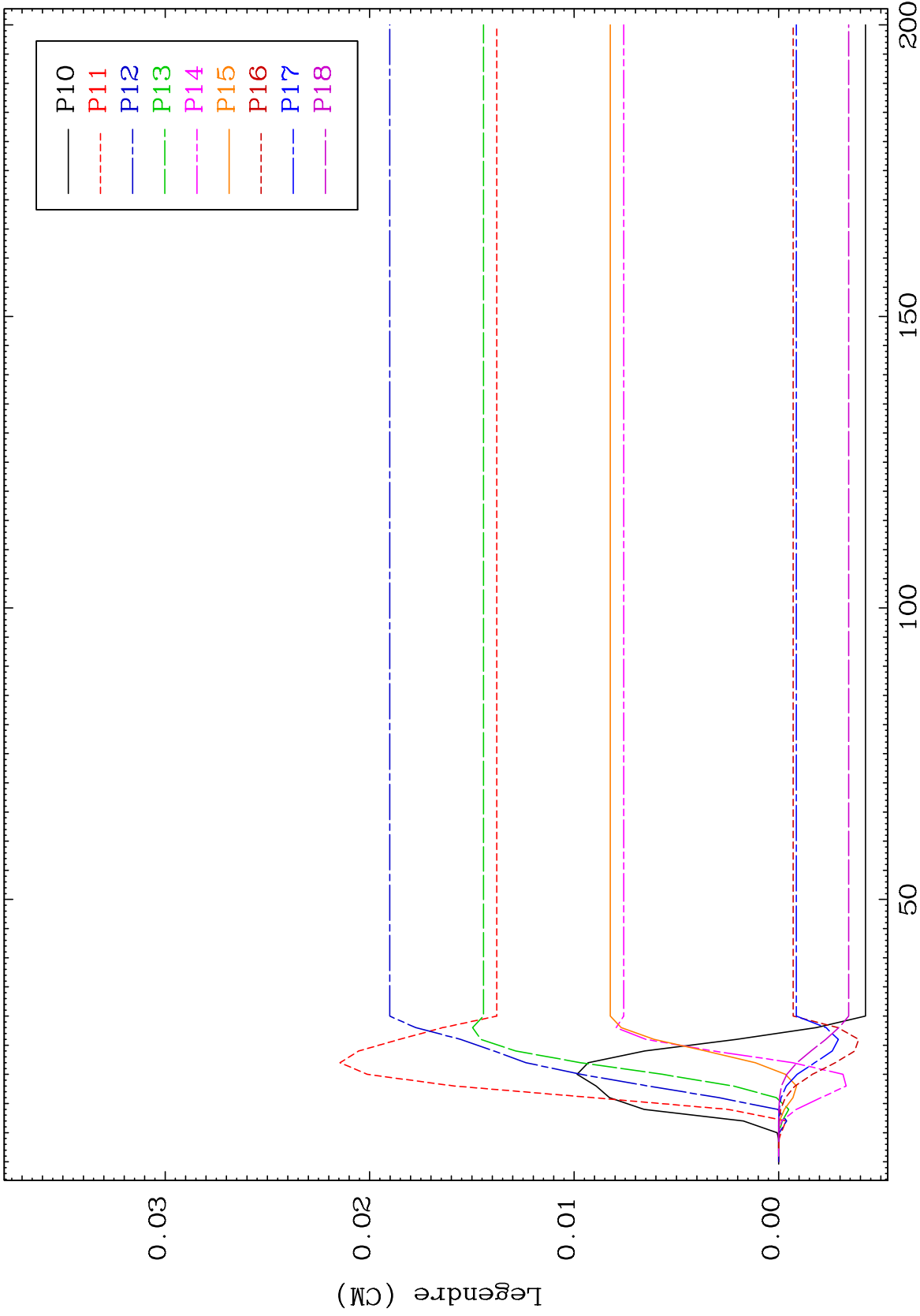
Incident Energy (MeV)

50-Sn-133

MAT 5088

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

50-Sn-133



111

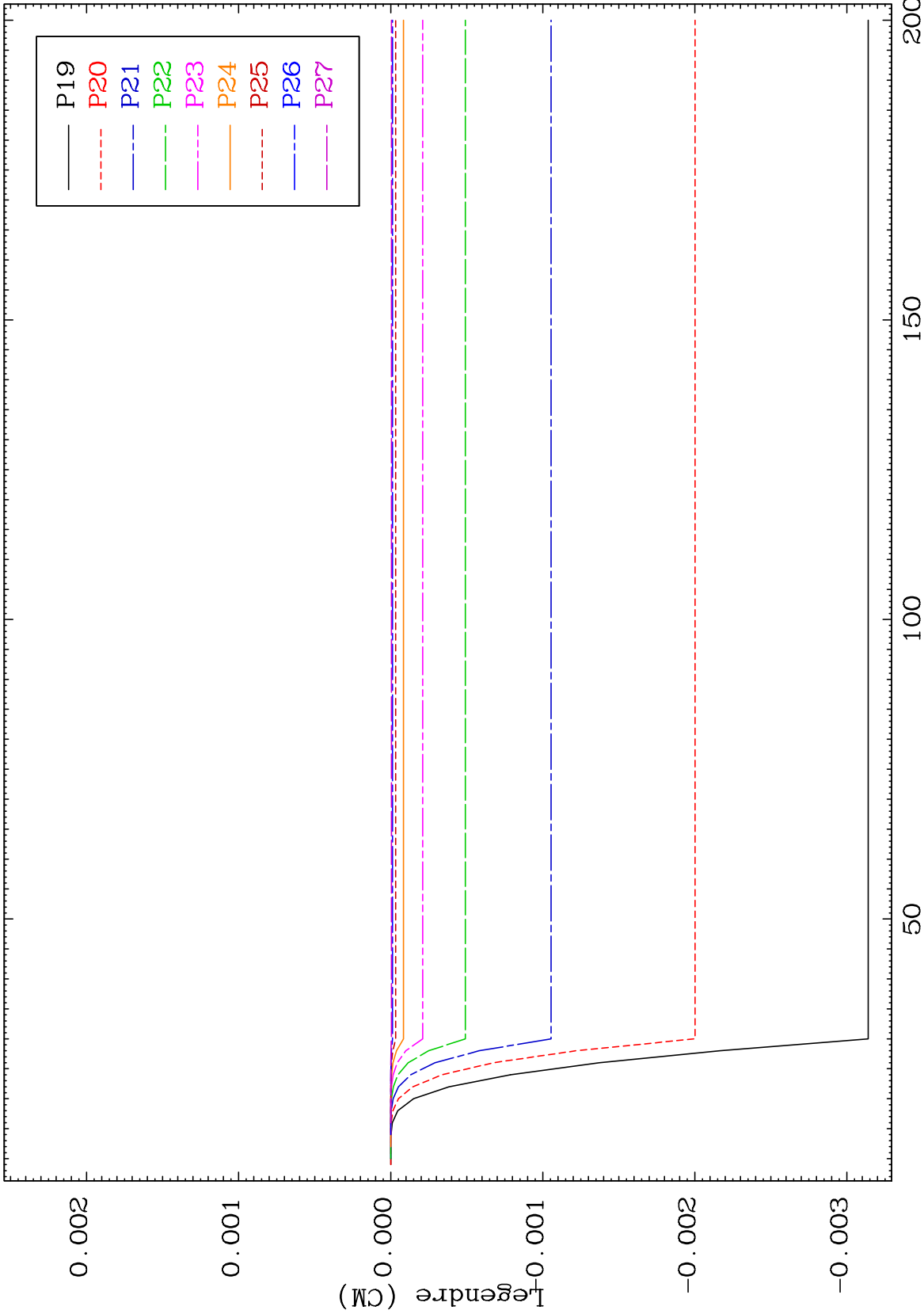
Incident Energy (MeV)

50-Sn-133

MAT 5088

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

50-Sn-133



112

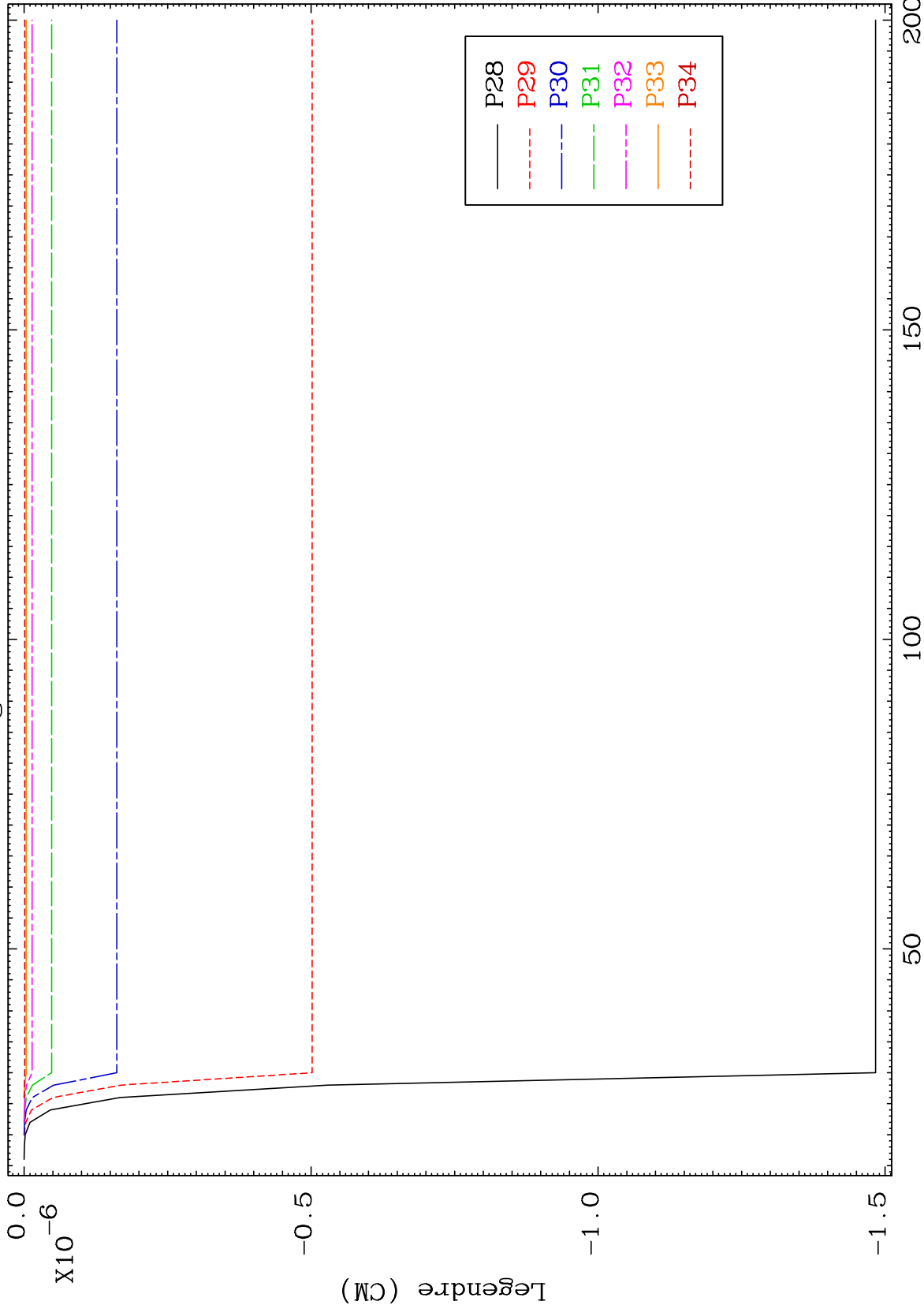
Incident Energy (MeV)

50-Sn-133

MAT 5088

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

50-Sn-133

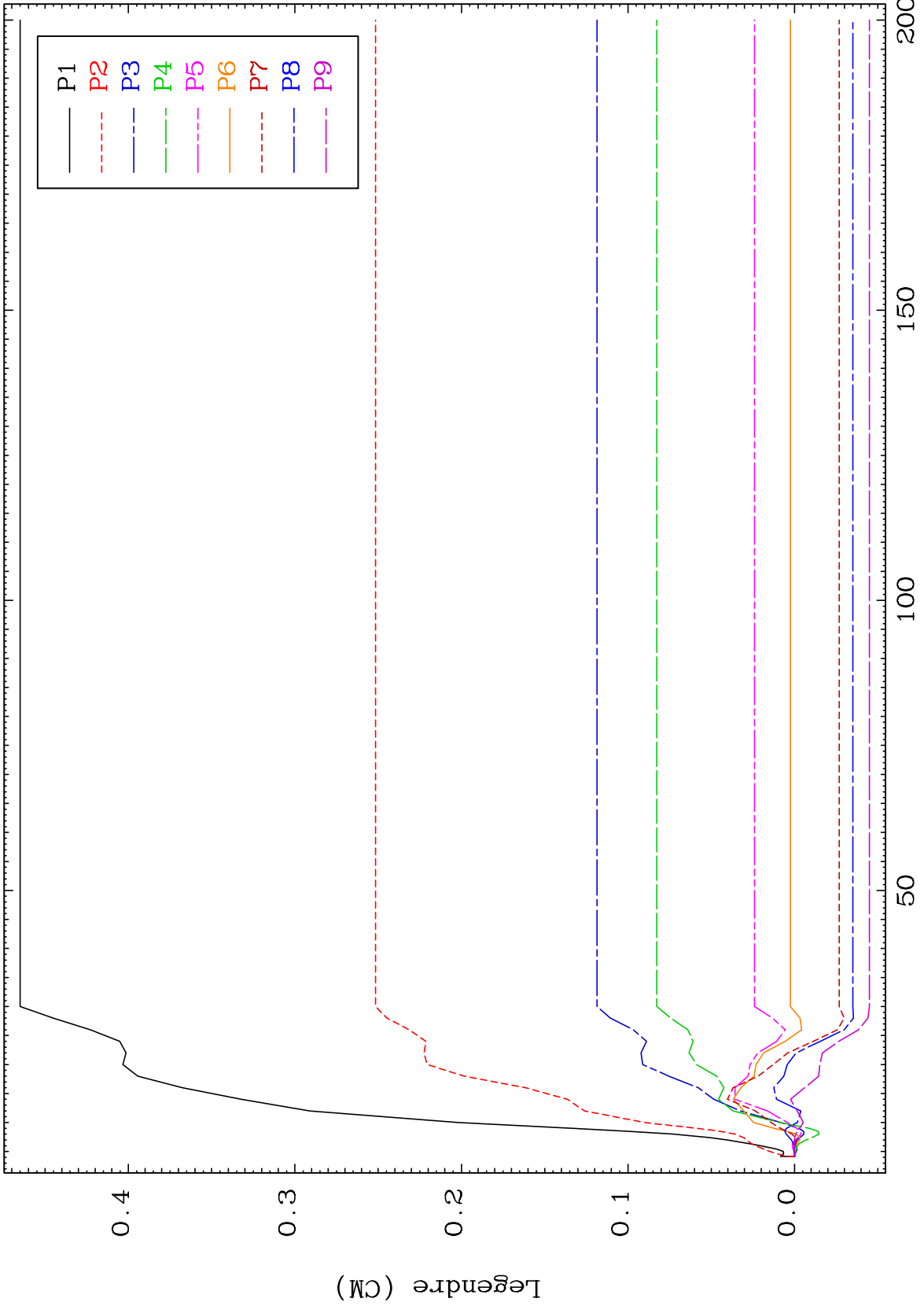


50-Sn-133

Incident Energy (MeV)

113

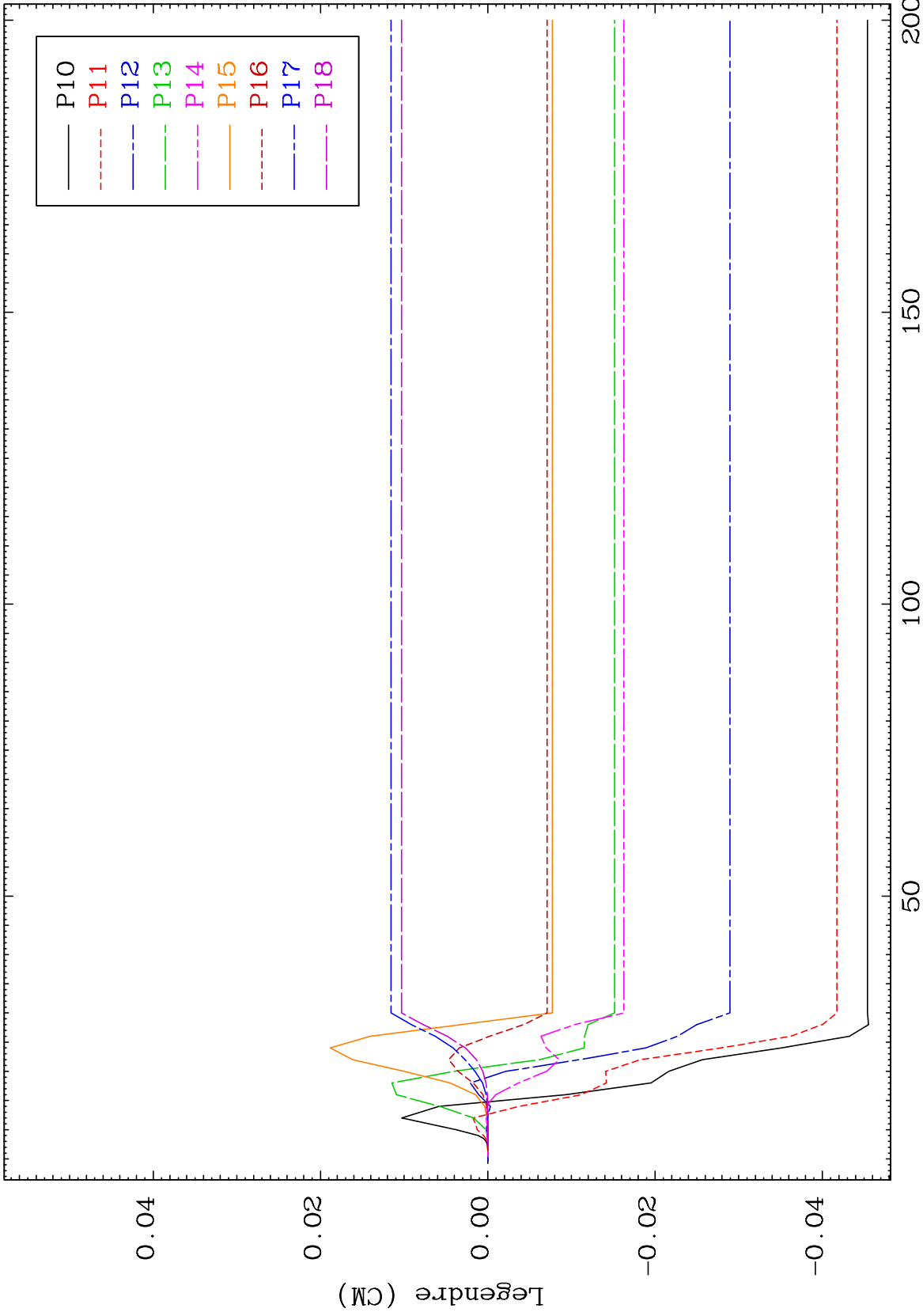
MAT 5088 MT= 76 (n,n') Level Legendre Coefficients 50-Sn-133



MAT 5088

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

50-Sn-133

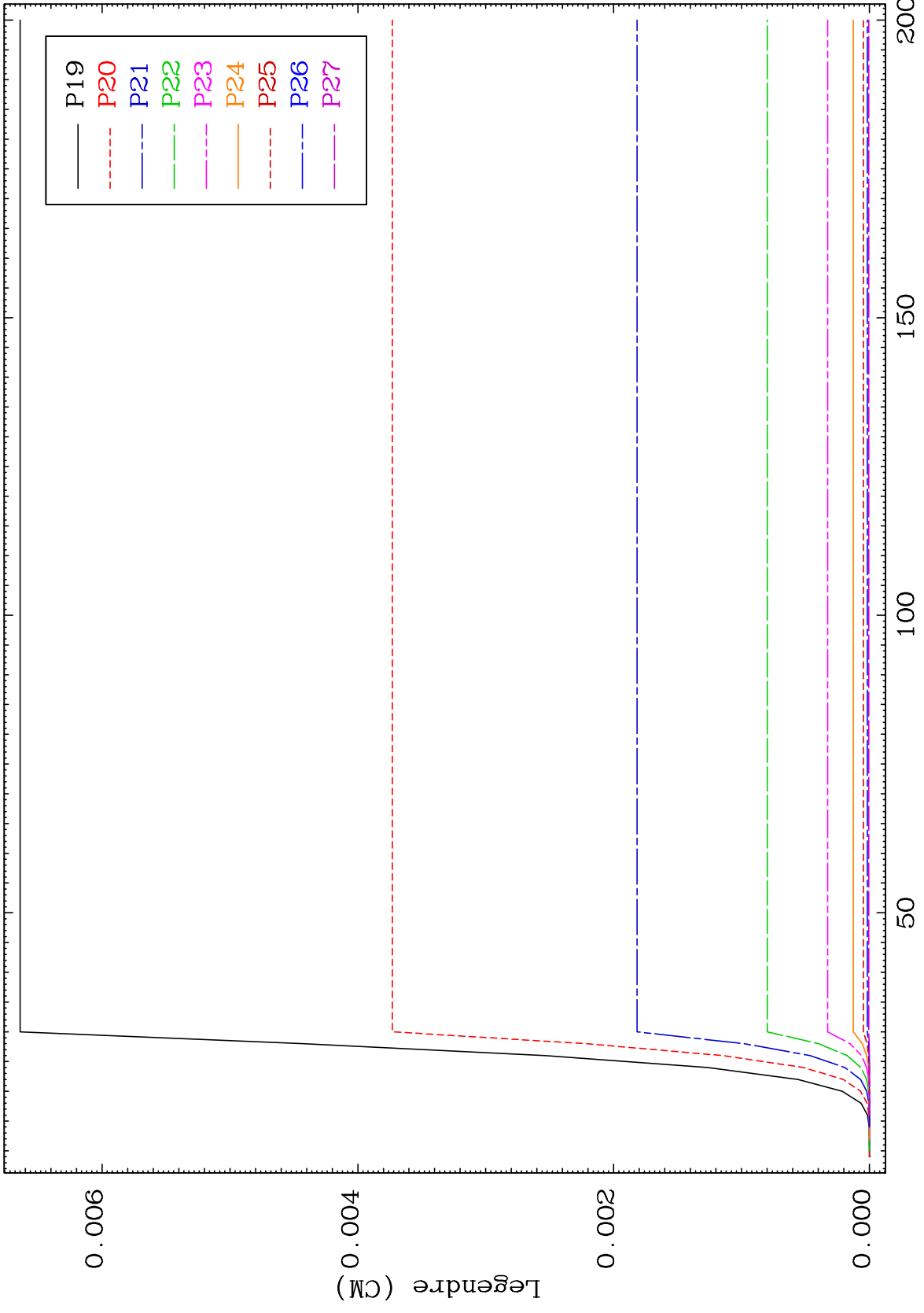


115

Incident Energy (MeV)

50-Sn-133

MAT 5088 MT= 76 (n,n') Level Legendre Coefficients 50-Sn-133

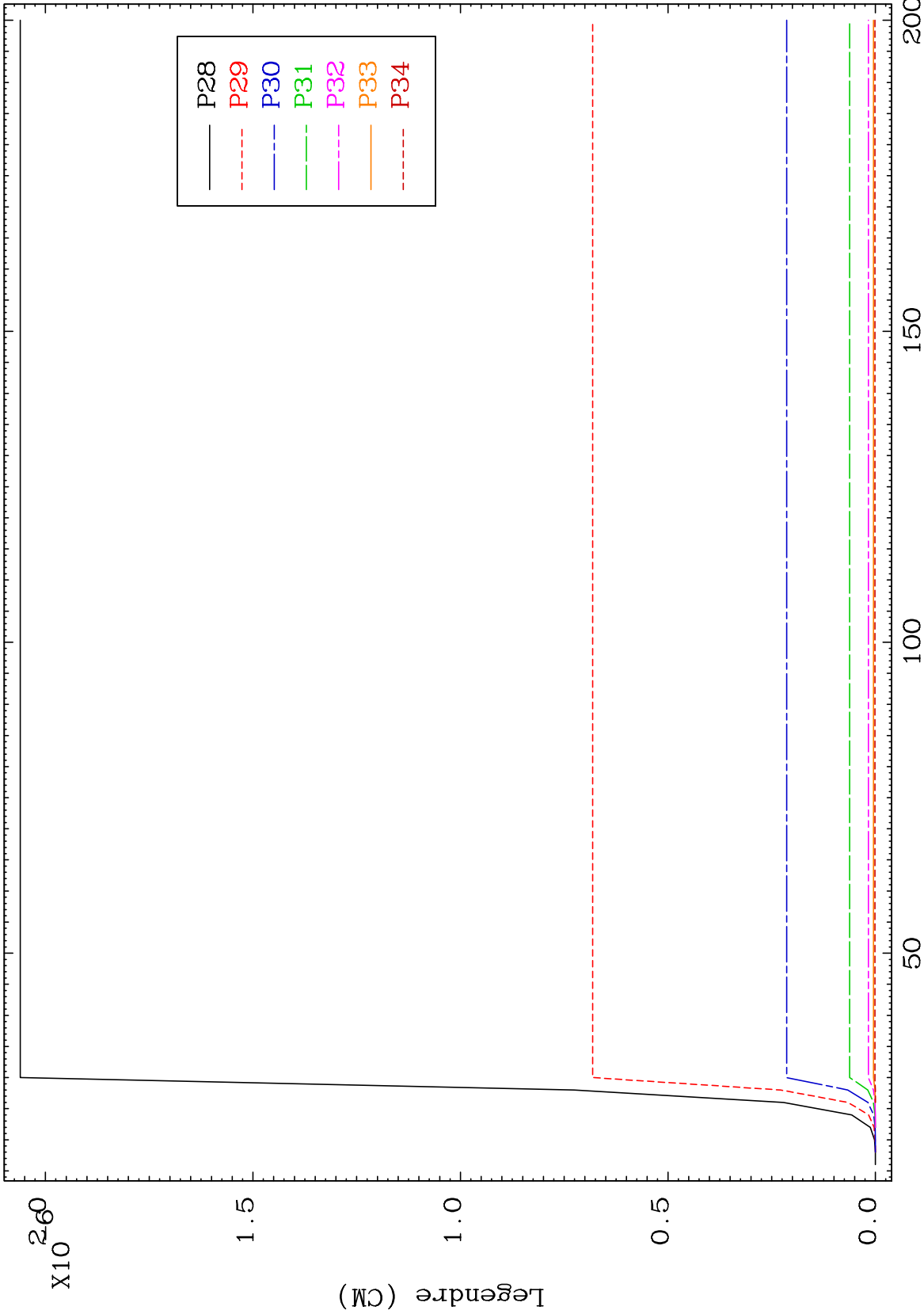


116 50-Sn-133

MAT 5088

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

50-Sn-133



117

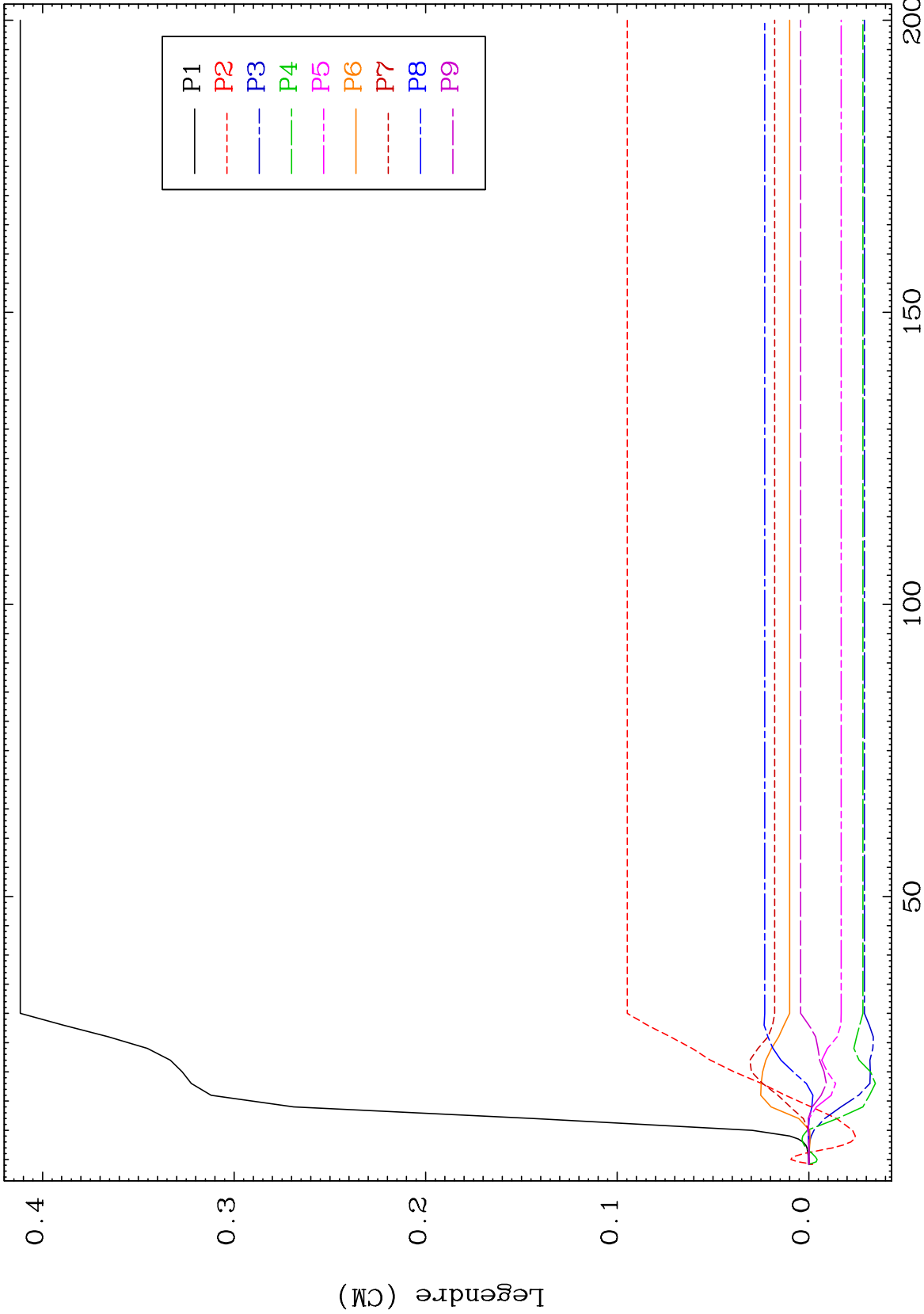
Incident Energy (MeV)

50-Sn-133

MAT 5088

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

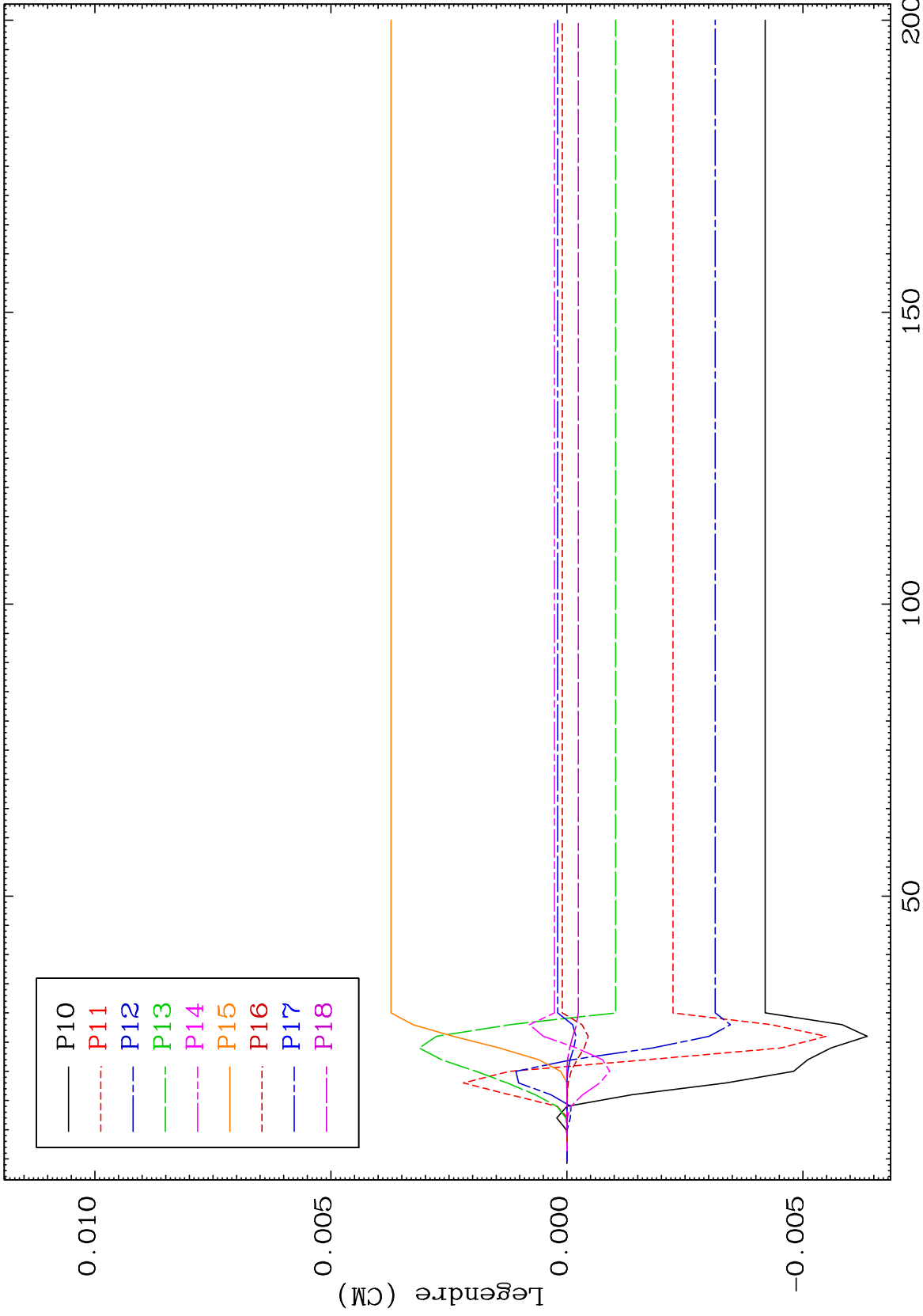
50-Sn-133



MAT 5088

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

50-Sn-133



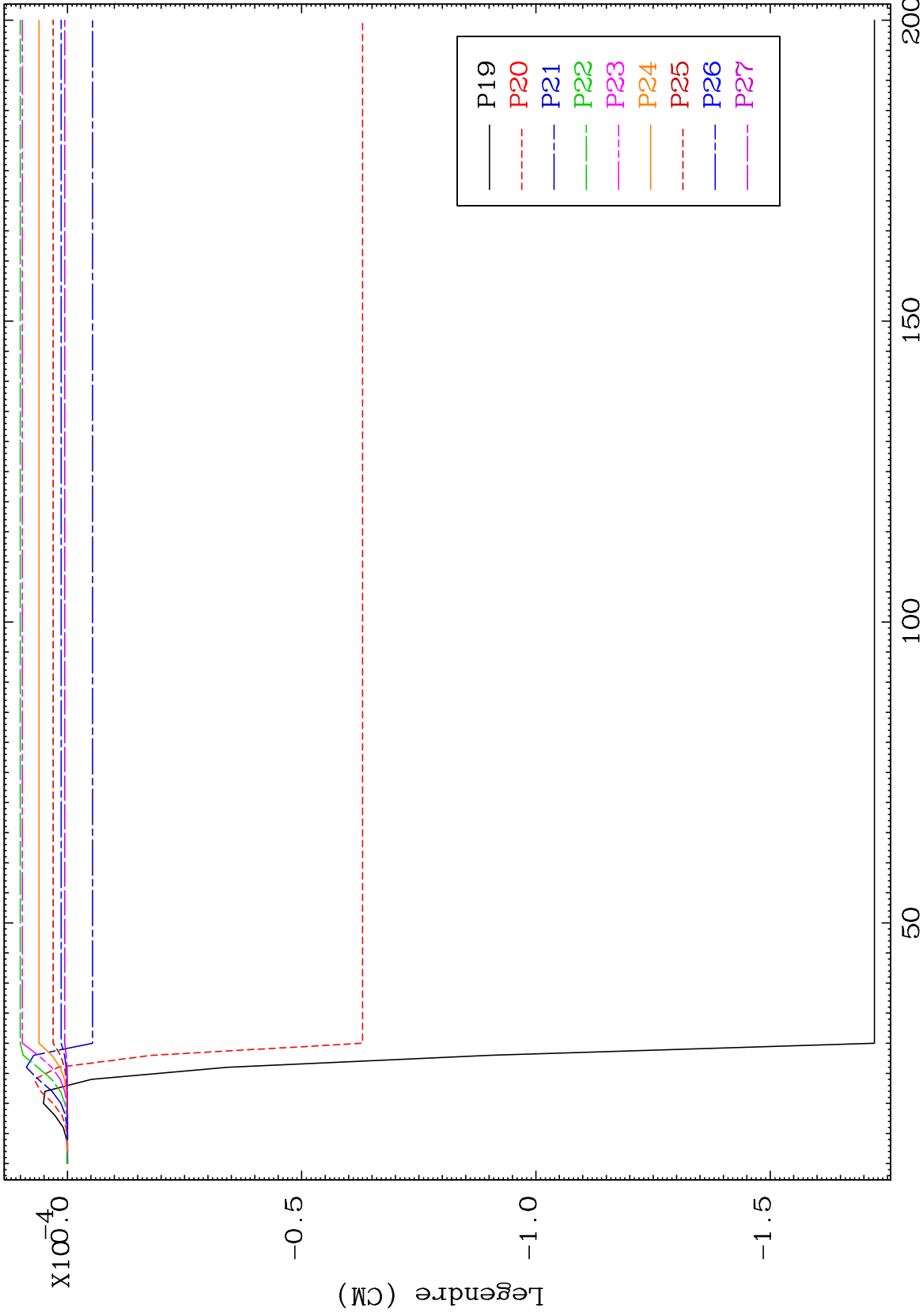
119

50-Sn-133

MAT 5088

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

50-Sn-133



120

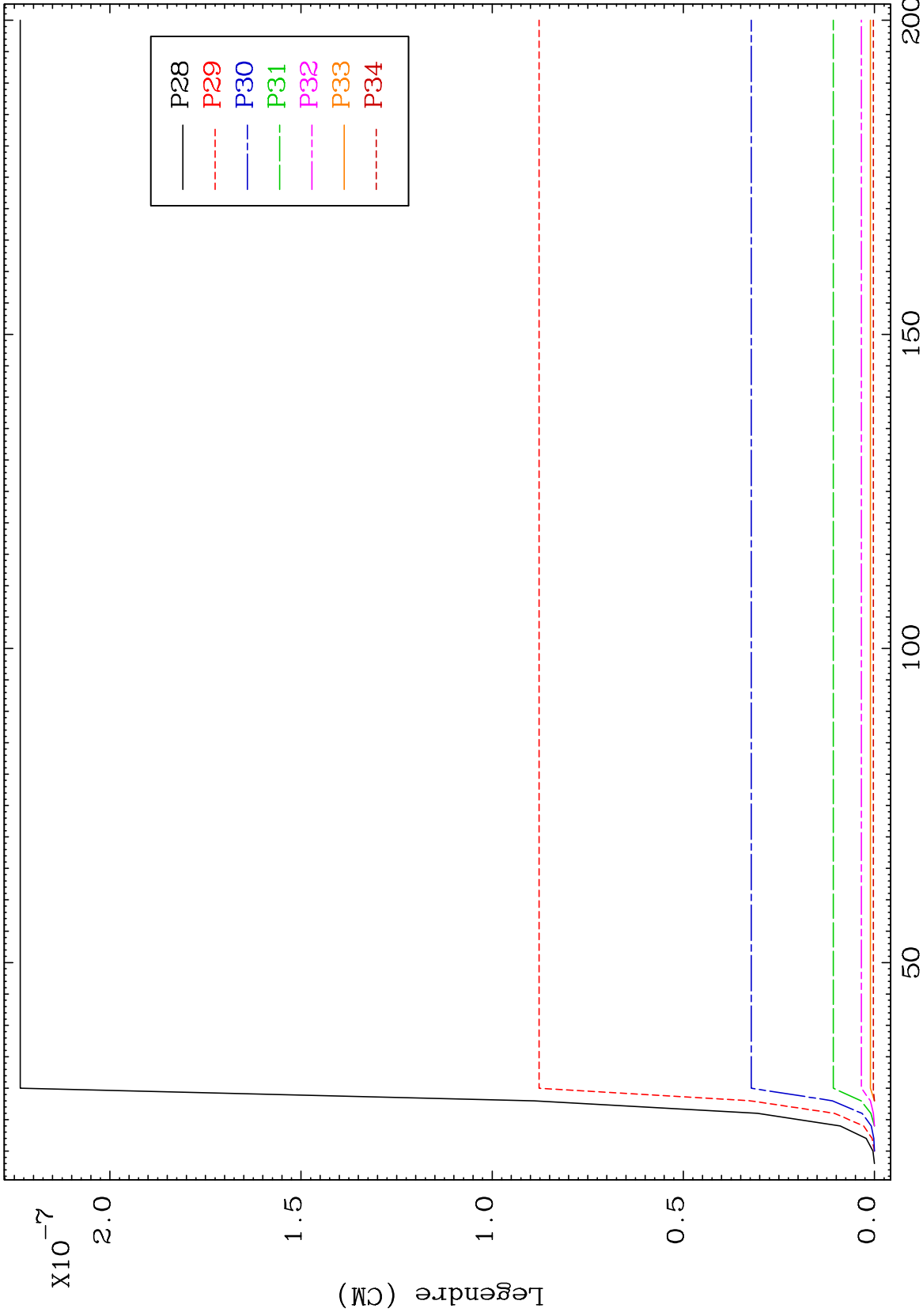
Incident Energy (MeV)

50-Sn-133

MAT 5088

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

50-Sn-133

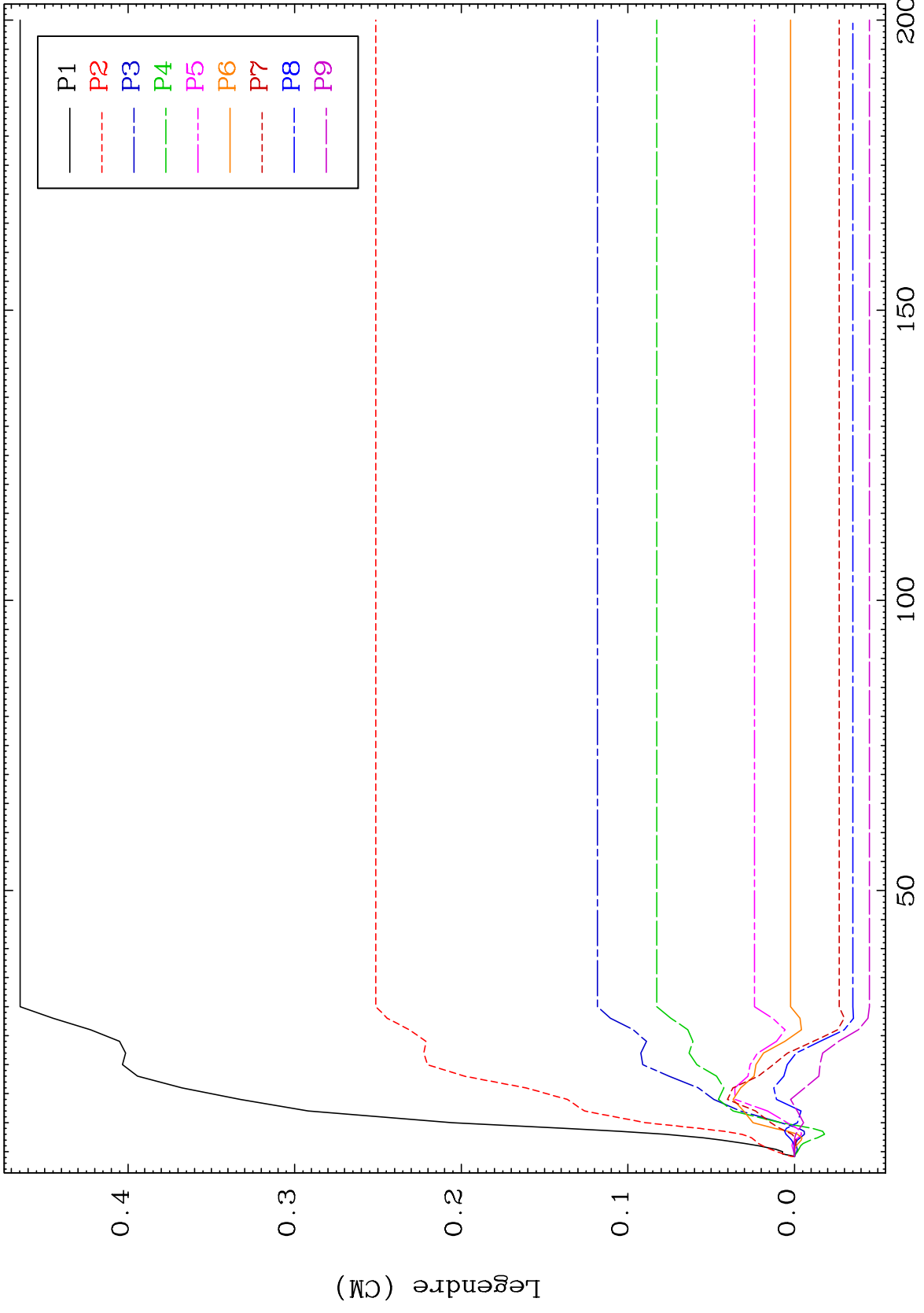


121

Incident Energy (MeV)

50-Sn-133

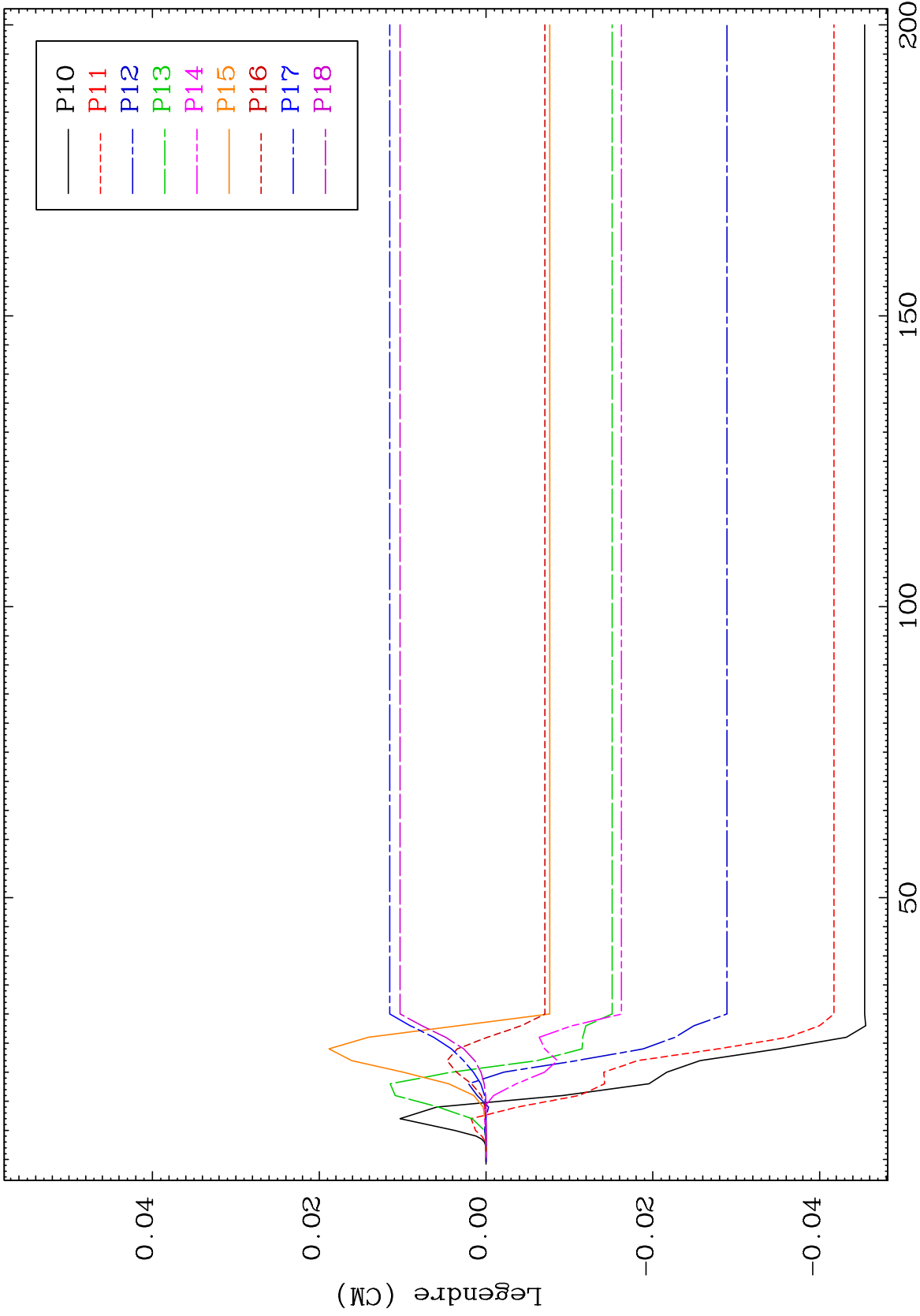
MAT 5088 MT= 78 (n,n') Level Legendre Coefficients 50-Sn-133



MAT 5088

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

50-Sn-133



123

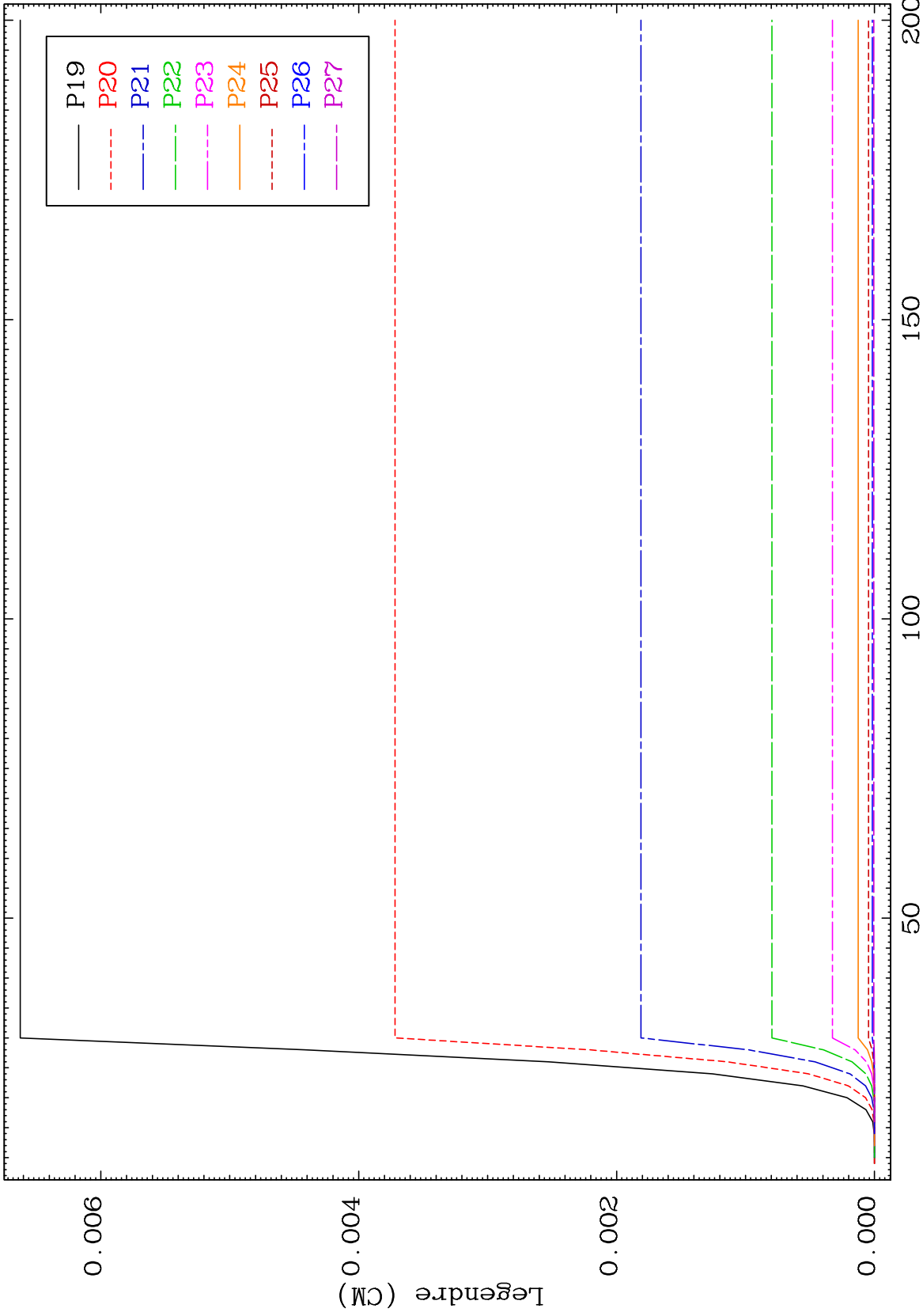
Incident Energy (MeV)

50-Sn-133

MAT 5088

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

50-Sn-133



124

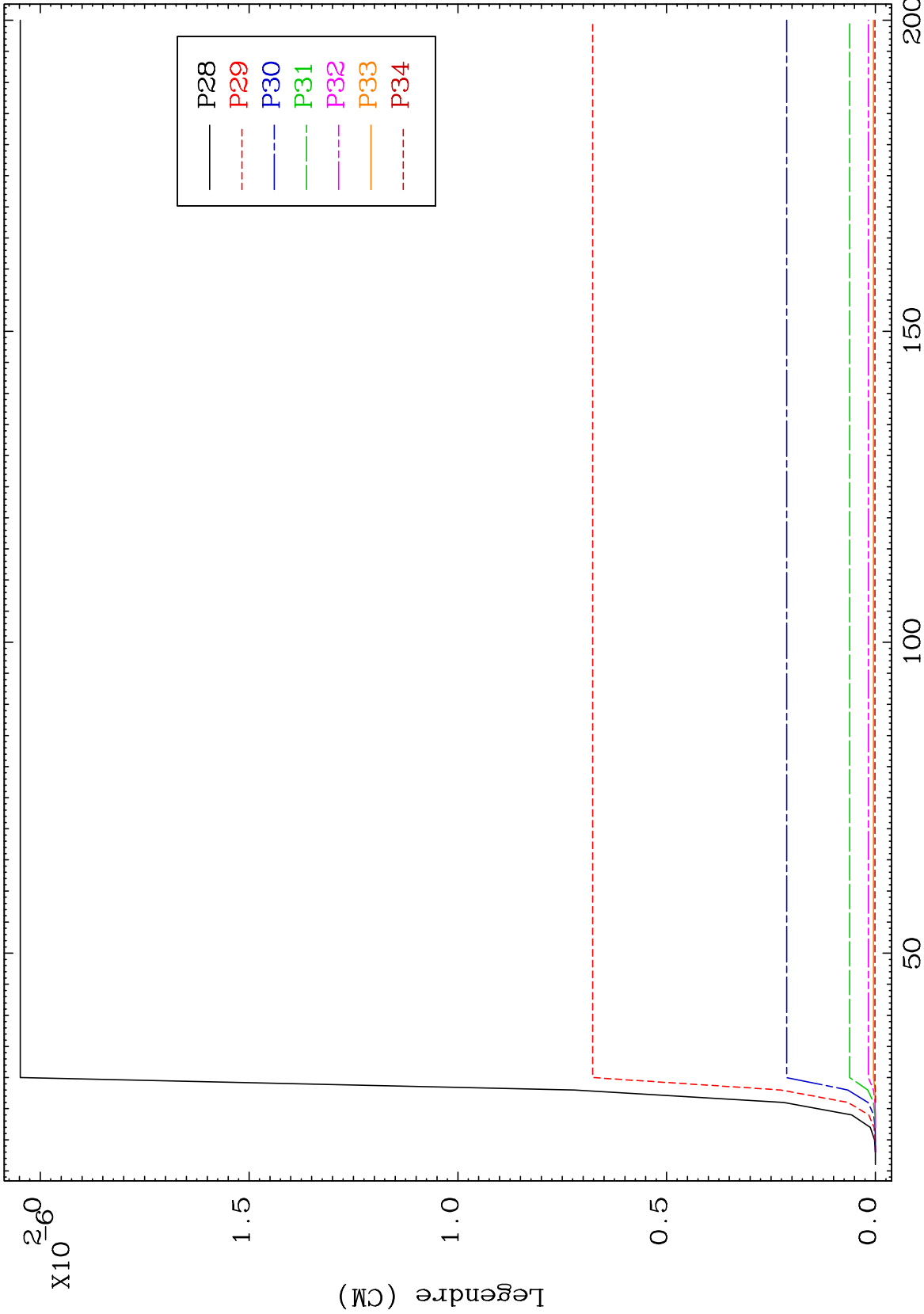
Incident Energy (MeV)

50-Sn-133

MAT 5088

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

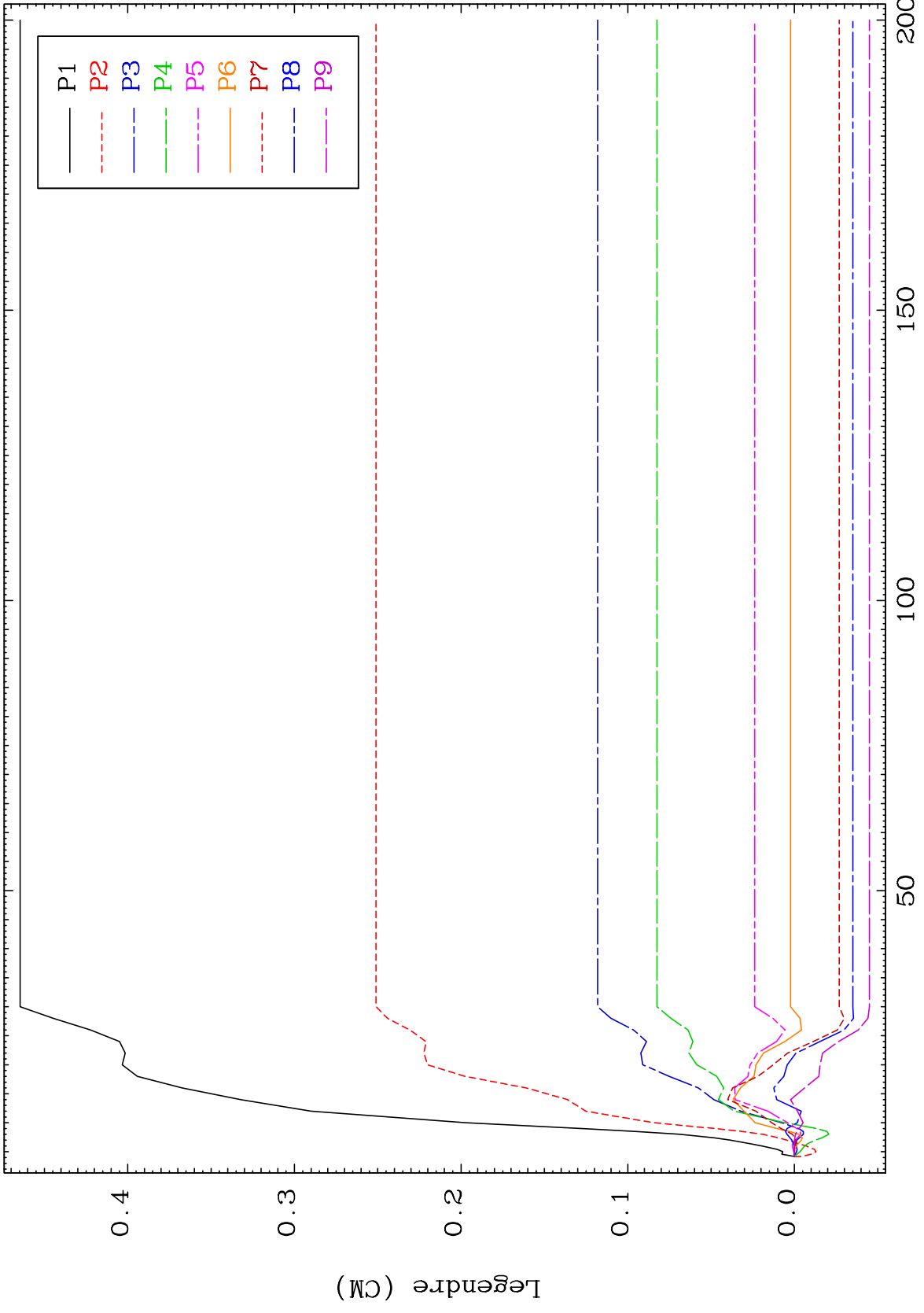
50-Sn-133



50-Sn-133

Incident Energy (MeV)

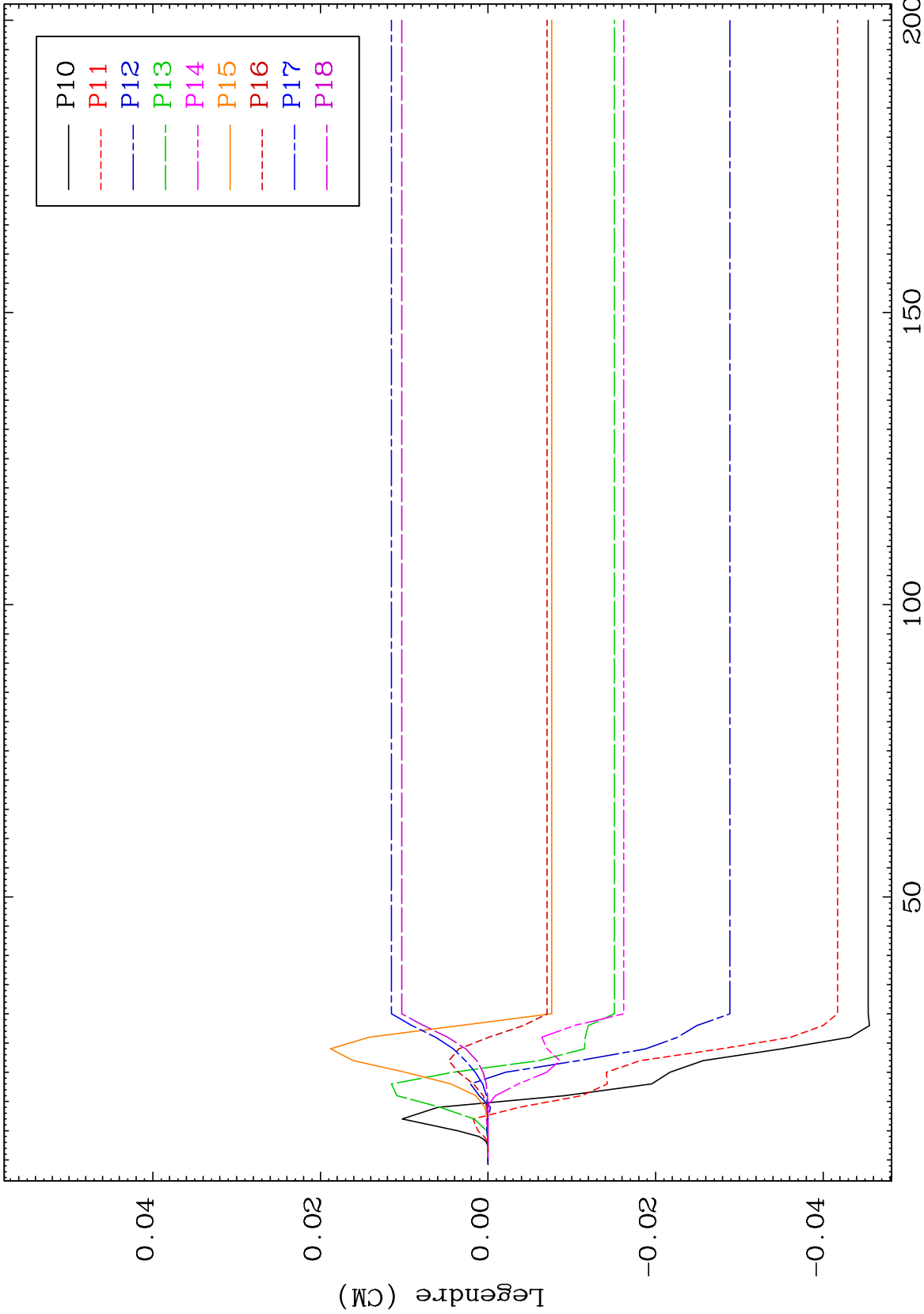
125



MAT 5088

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

50-Sn-133



127

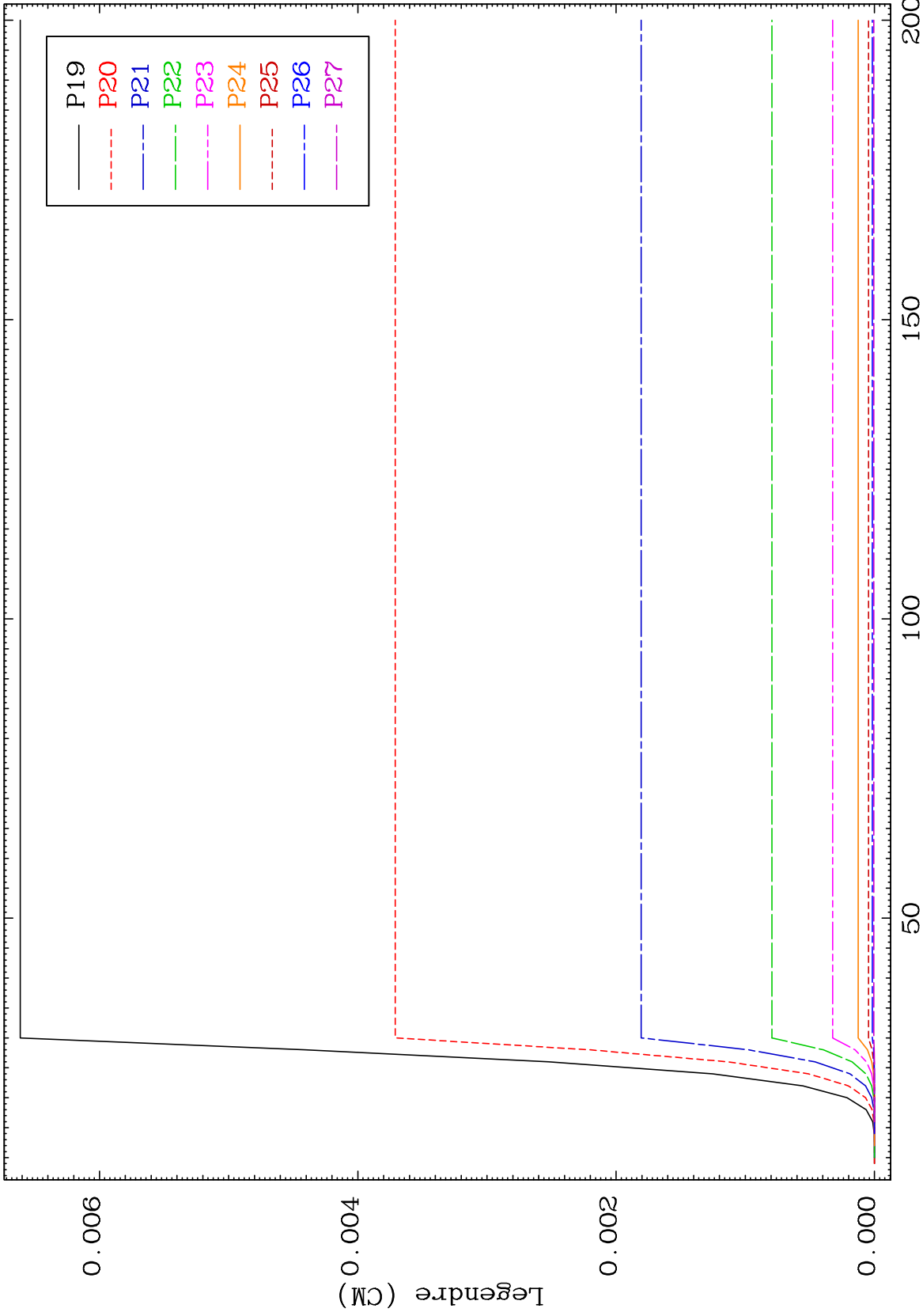
Incident Energy (MeV)

50-Sn-133

MAT 5088

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

50-Sn-133



128

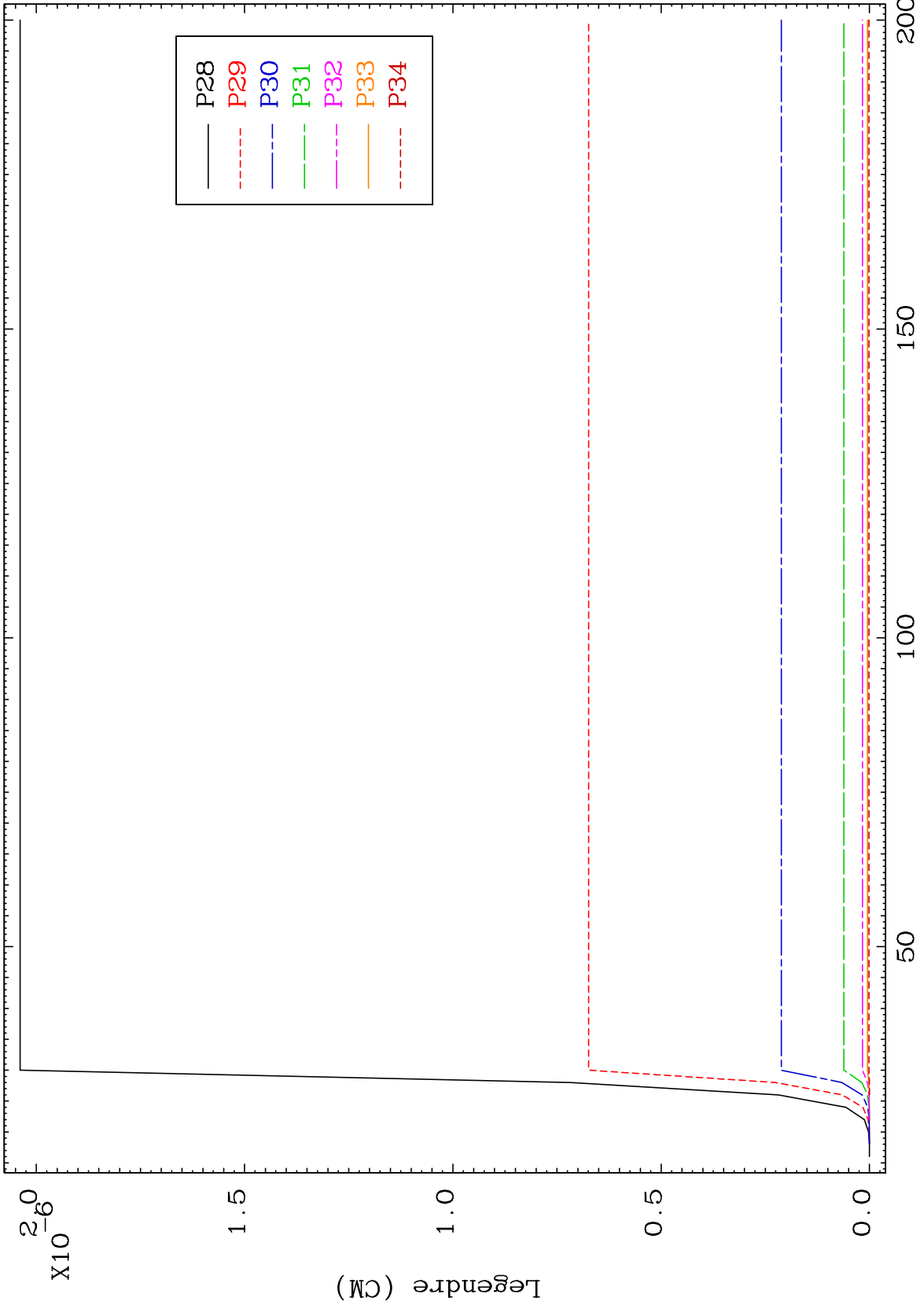
Incident Energy (MeV)

50-Sn-133

MAT 5088

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

50-Sn-133

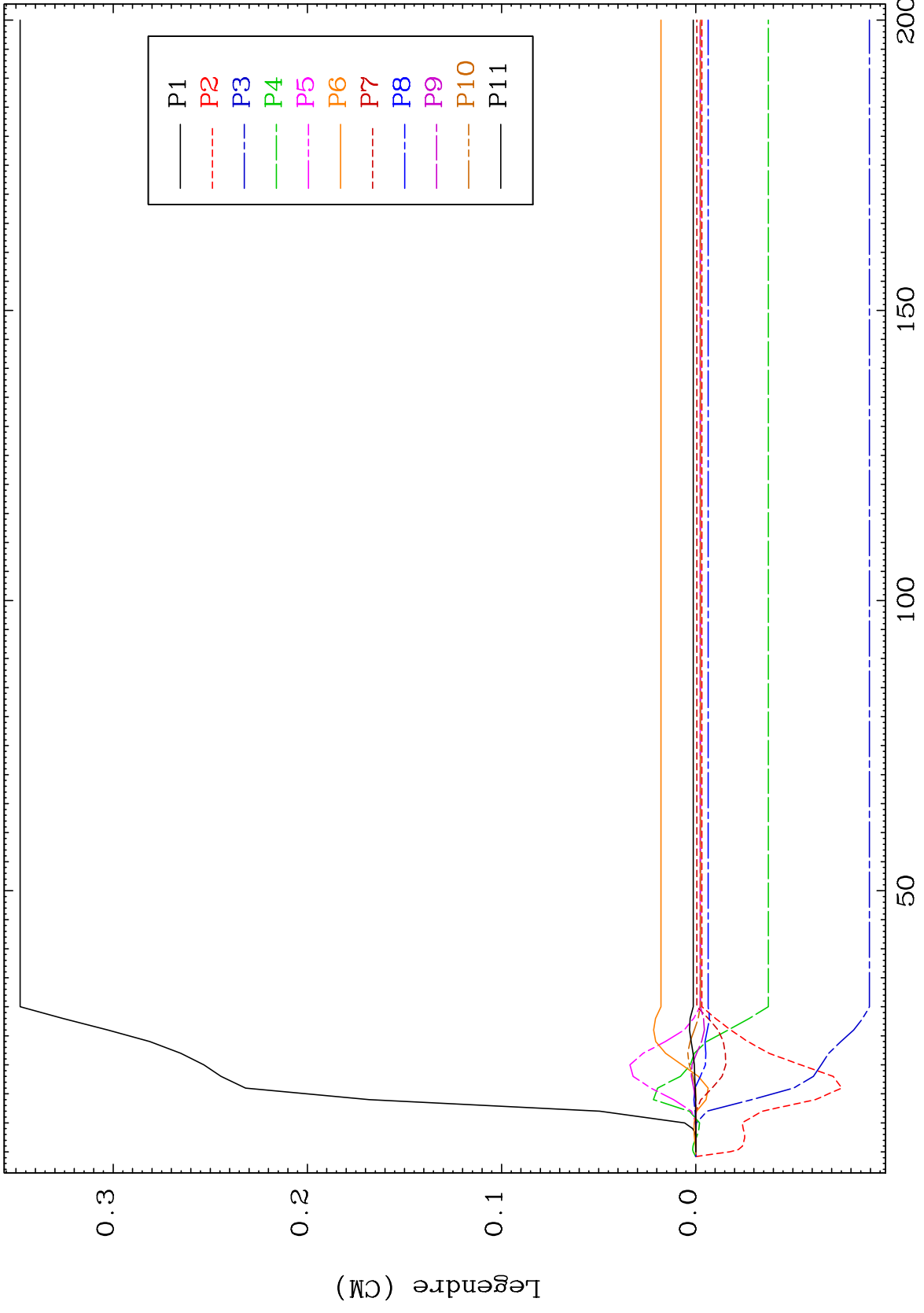


129

Incident Energy (MeV)

50-Sn-133

MAT 5088 MT= 80 (n,n') Level Legendre Coefficients 50-Sn-133

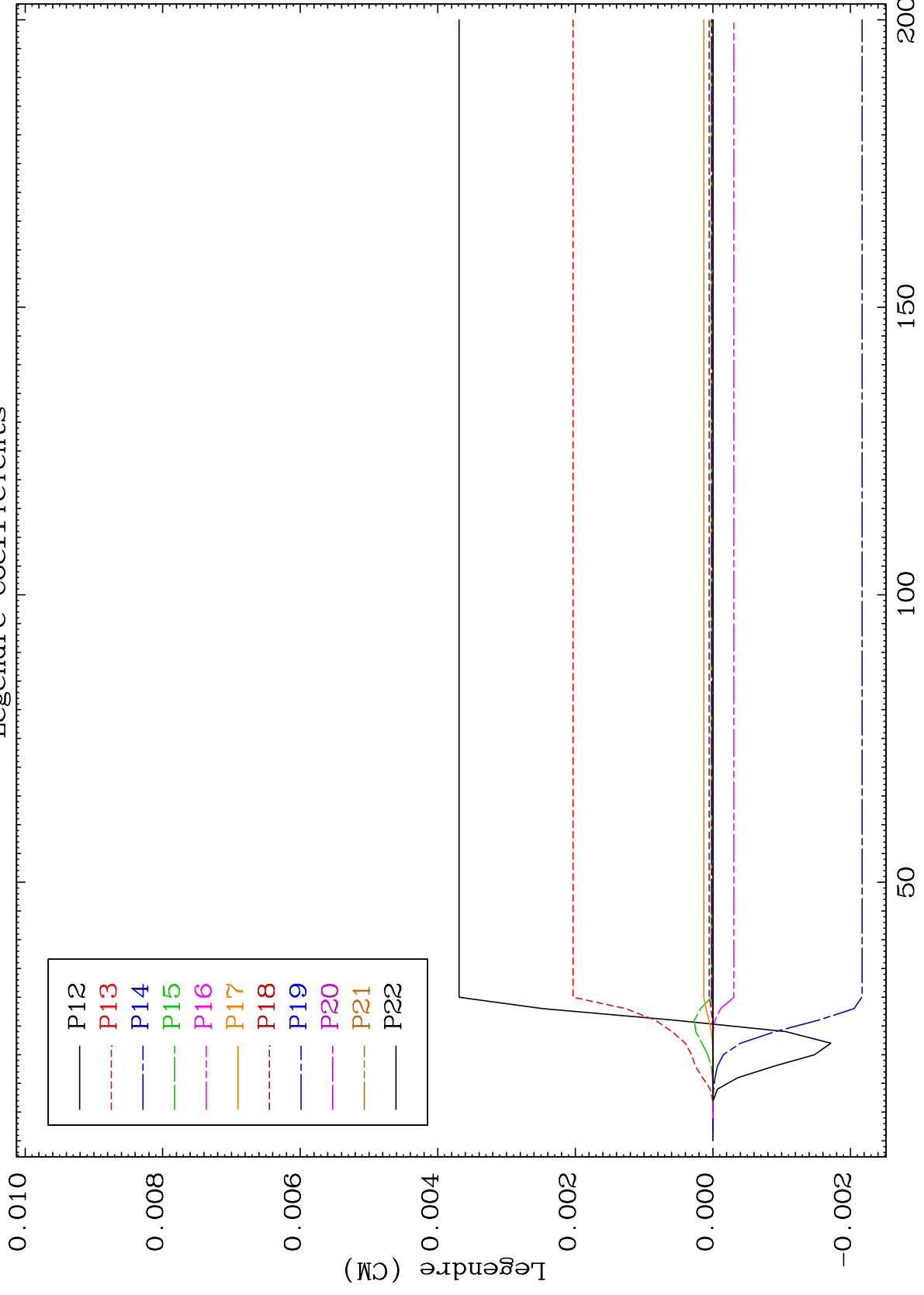


130 Incident Energy (MeV) 50-Sn-133

MAT 5088

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

50-Sn-133

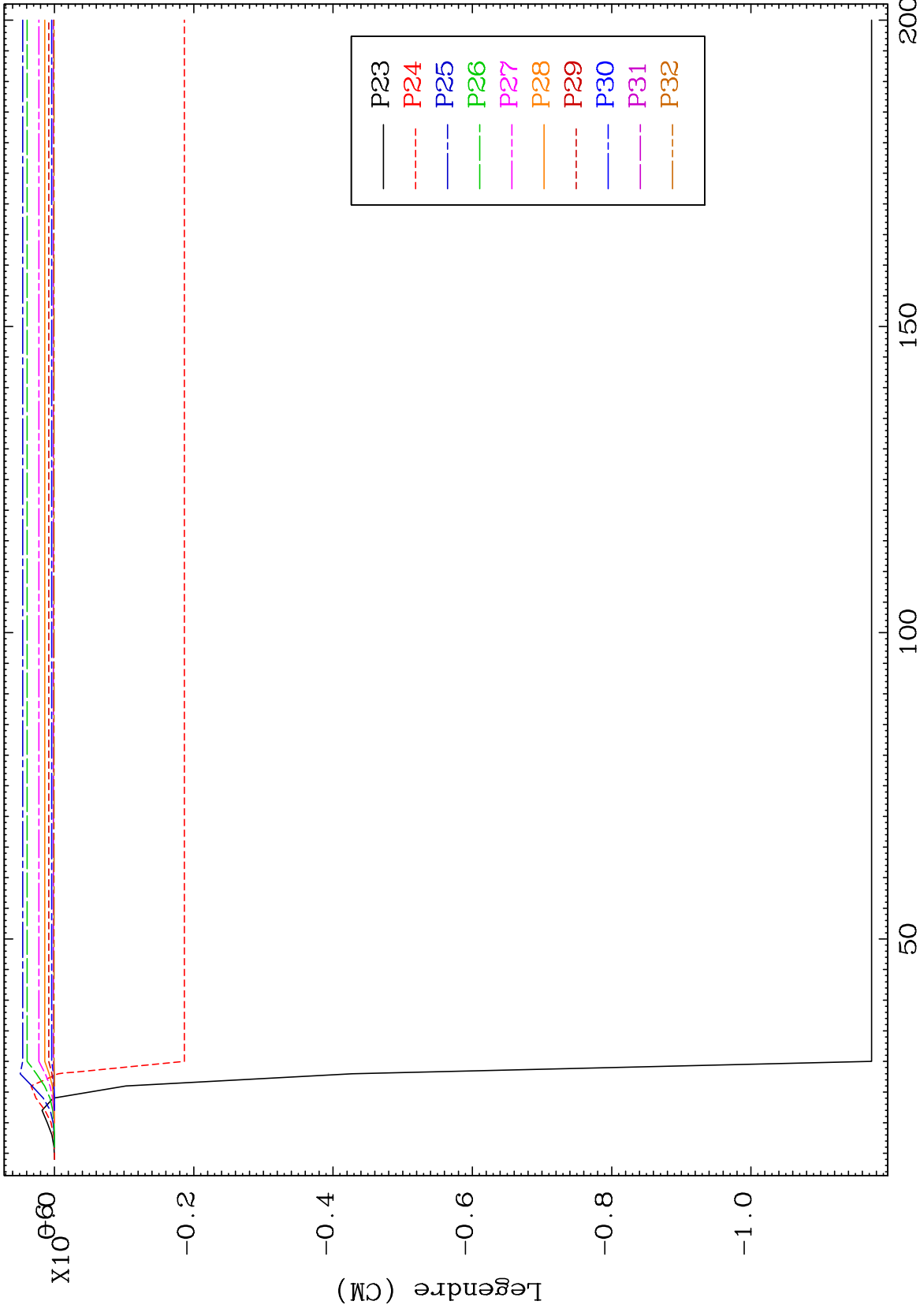


131

Incident Energy (MeV)

50-Sn-133

MAT 5088 MT= 80 (n, n') Level Legendre Coefficients 50-Sn-133



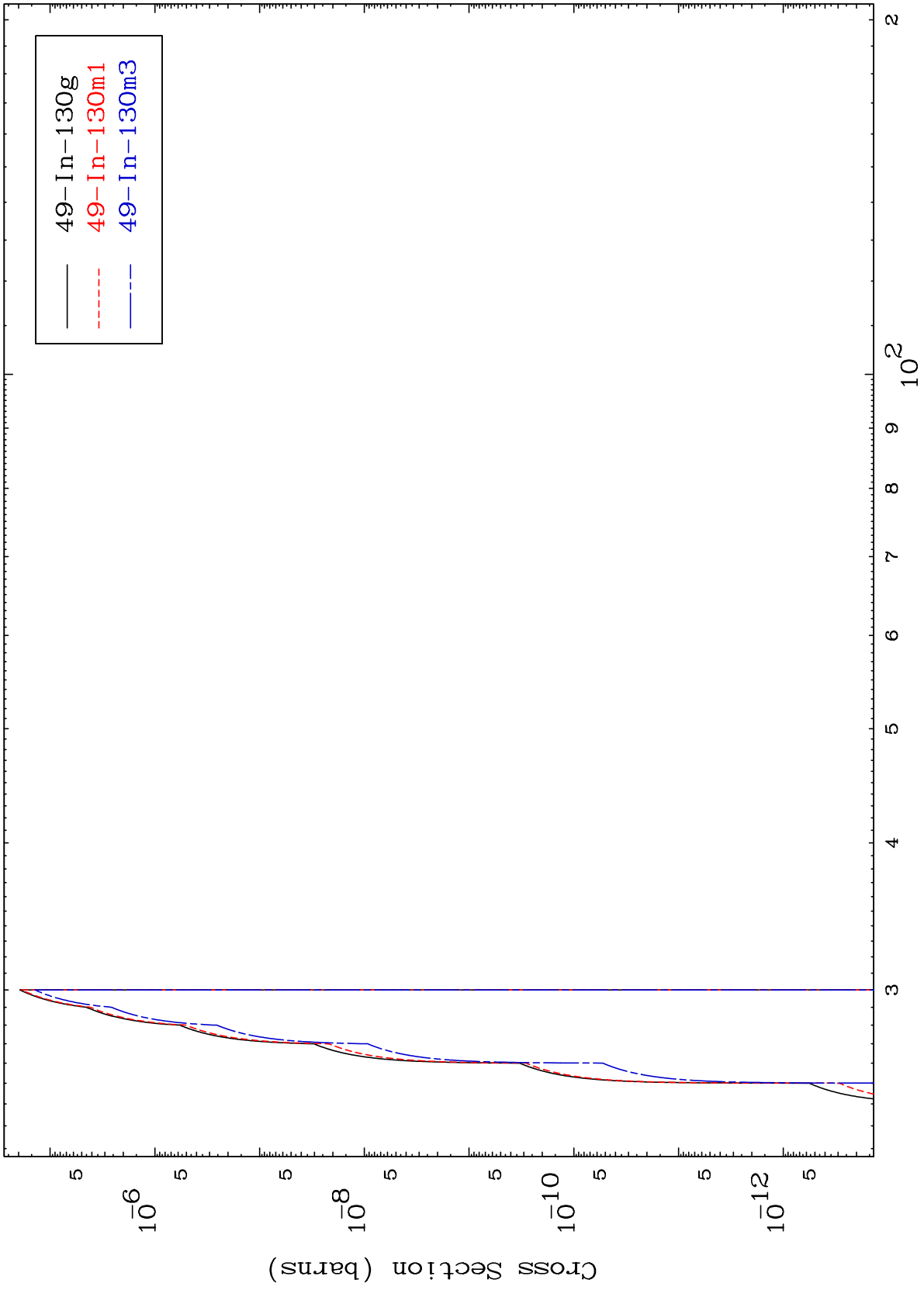
132 50-Sn-133

MAT 5088

(n,2n) d

50-Sn-133

Radionuclide Production Cross Section



133

Incident Energy (MeV)

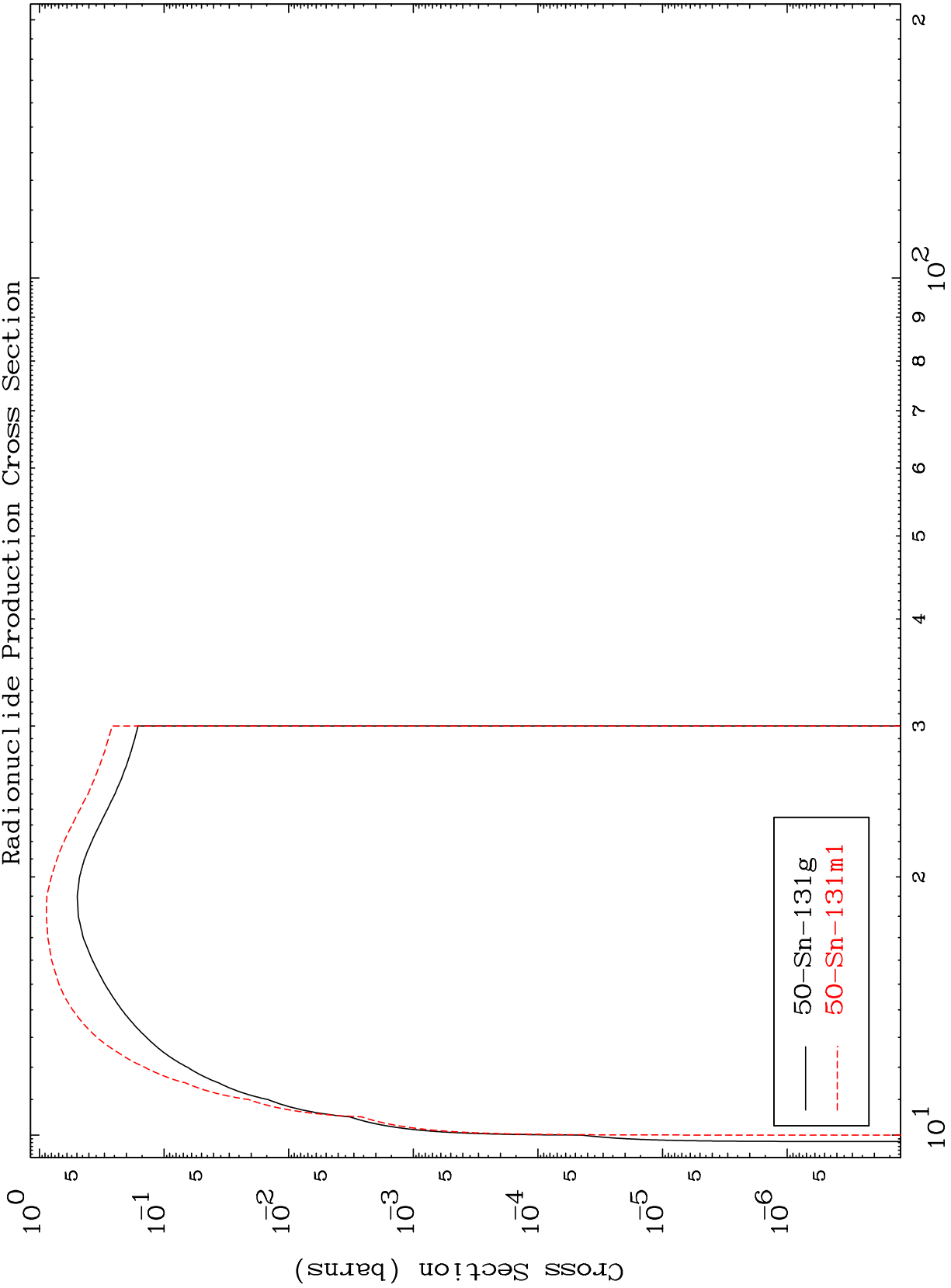
50-Sn-133

MAT 5088

(n,3n)

50-Sn-133

Radionuclide Production Cross Section



50-Sn-131g
50-Sn-131m1

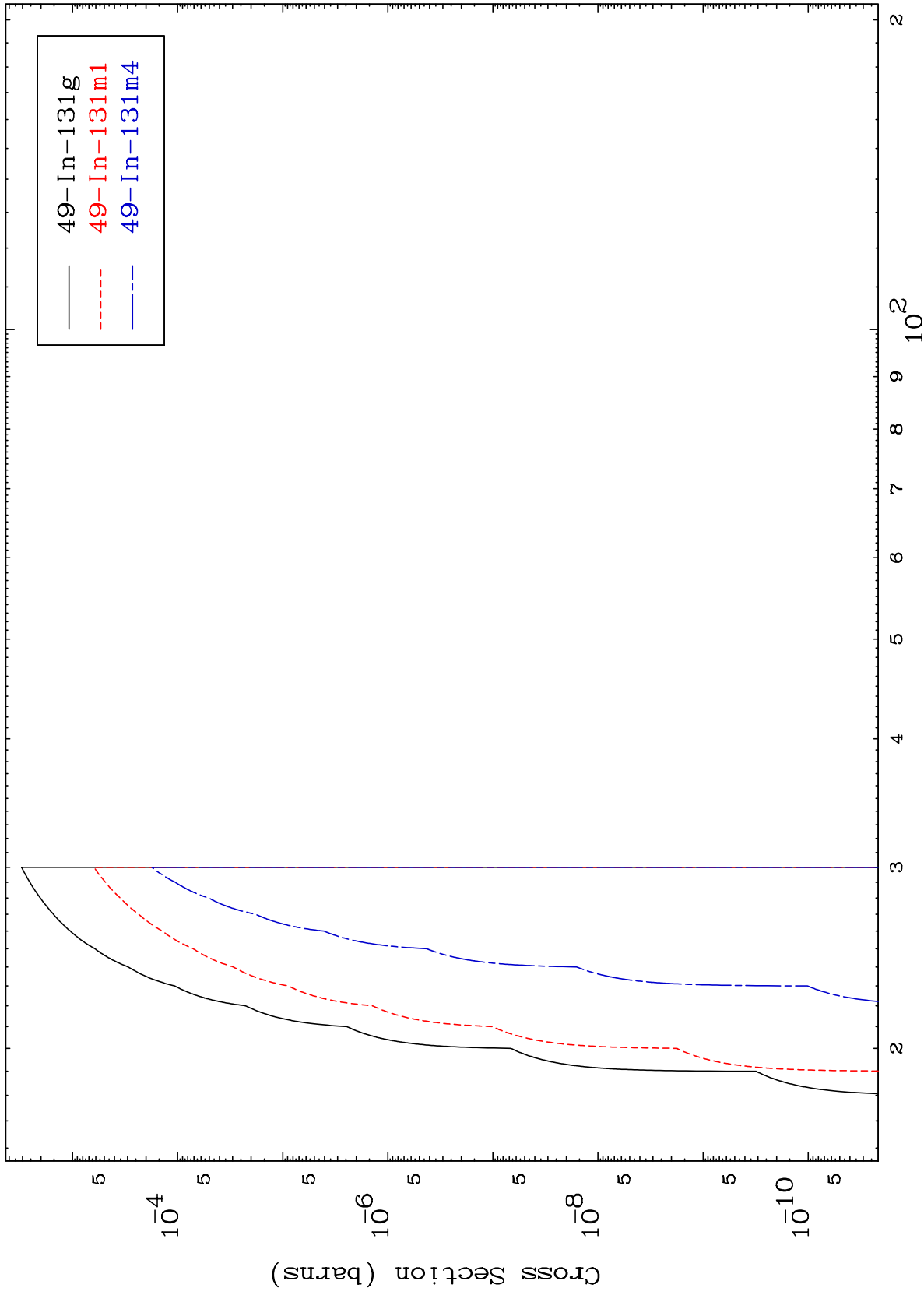
134

MAT 5088

(n,n') d

50-Sn-133

Radionuclide Production Cross Section



135

Incident Energy (MeV)

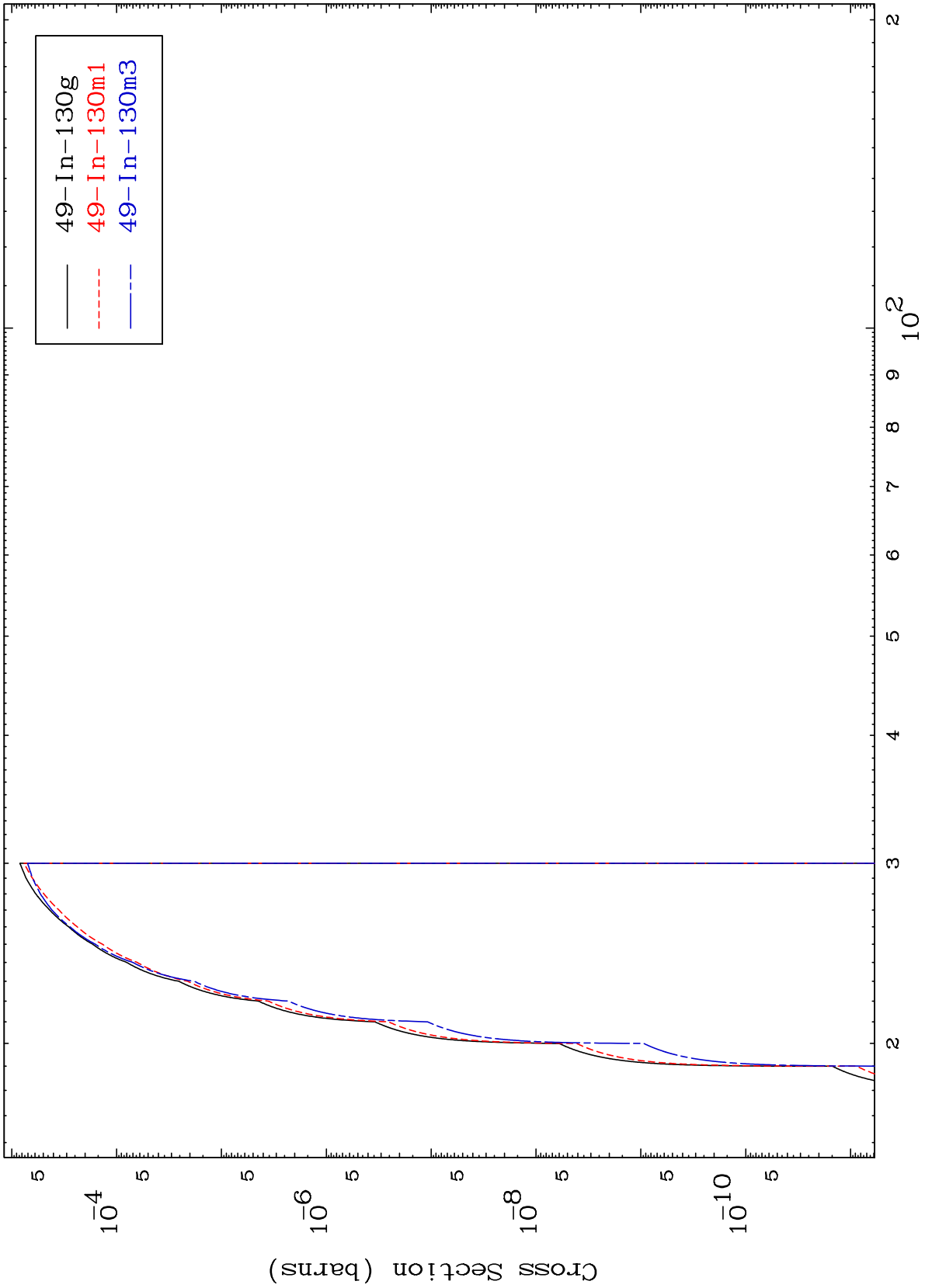
50-Sn-133

MAT 5088

(n,n') t

50-Sn-133

Radionuclide Production Cross Section



136

Incident Energy (MeV)

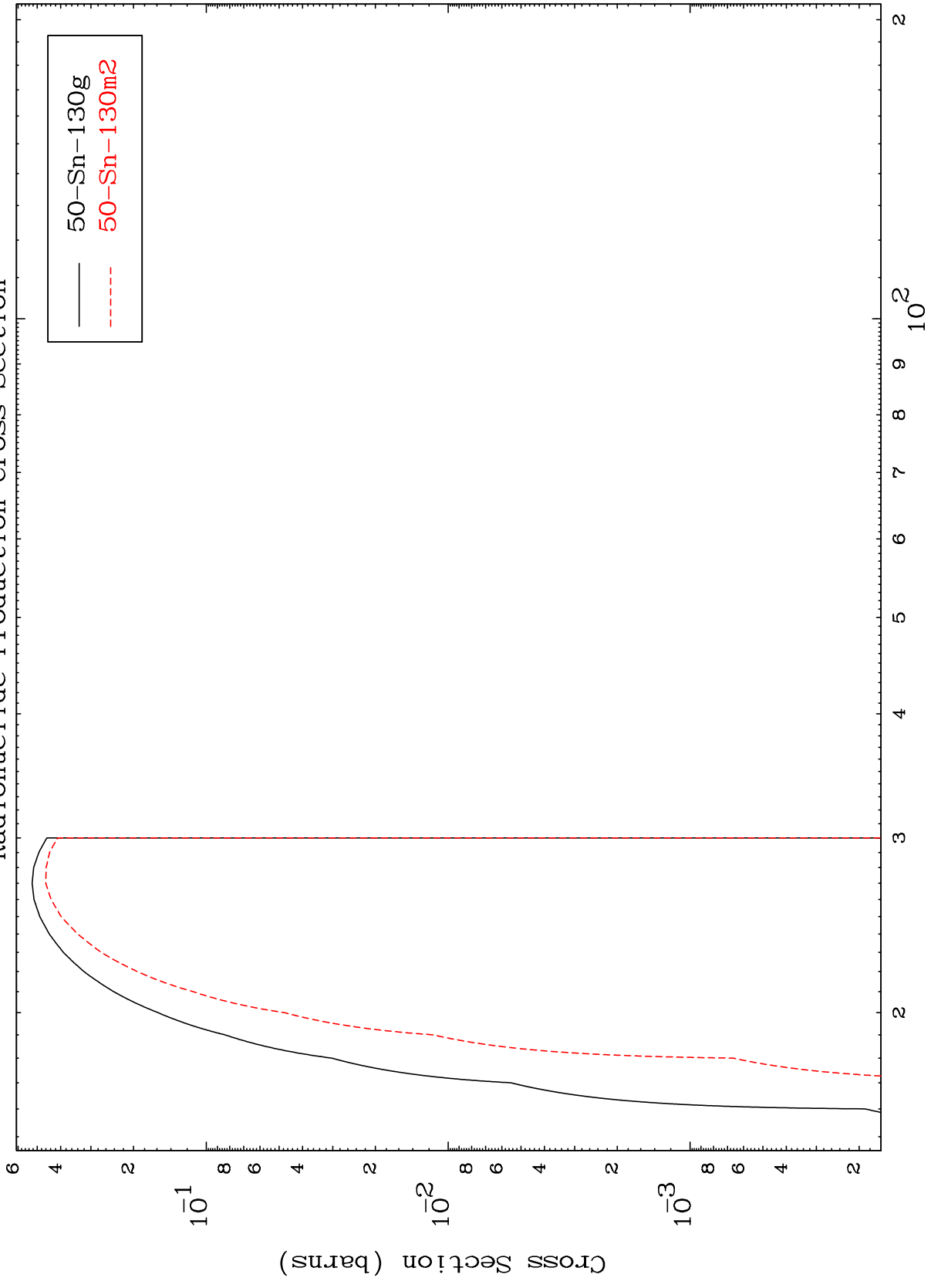
50-Sn-133

MAT 5088

(n,4n)

50-Sn-133

Radionuclide Production Cross Section



50-Sn-130g
50-Sn-130m2

137

Incident Energy (MeV)

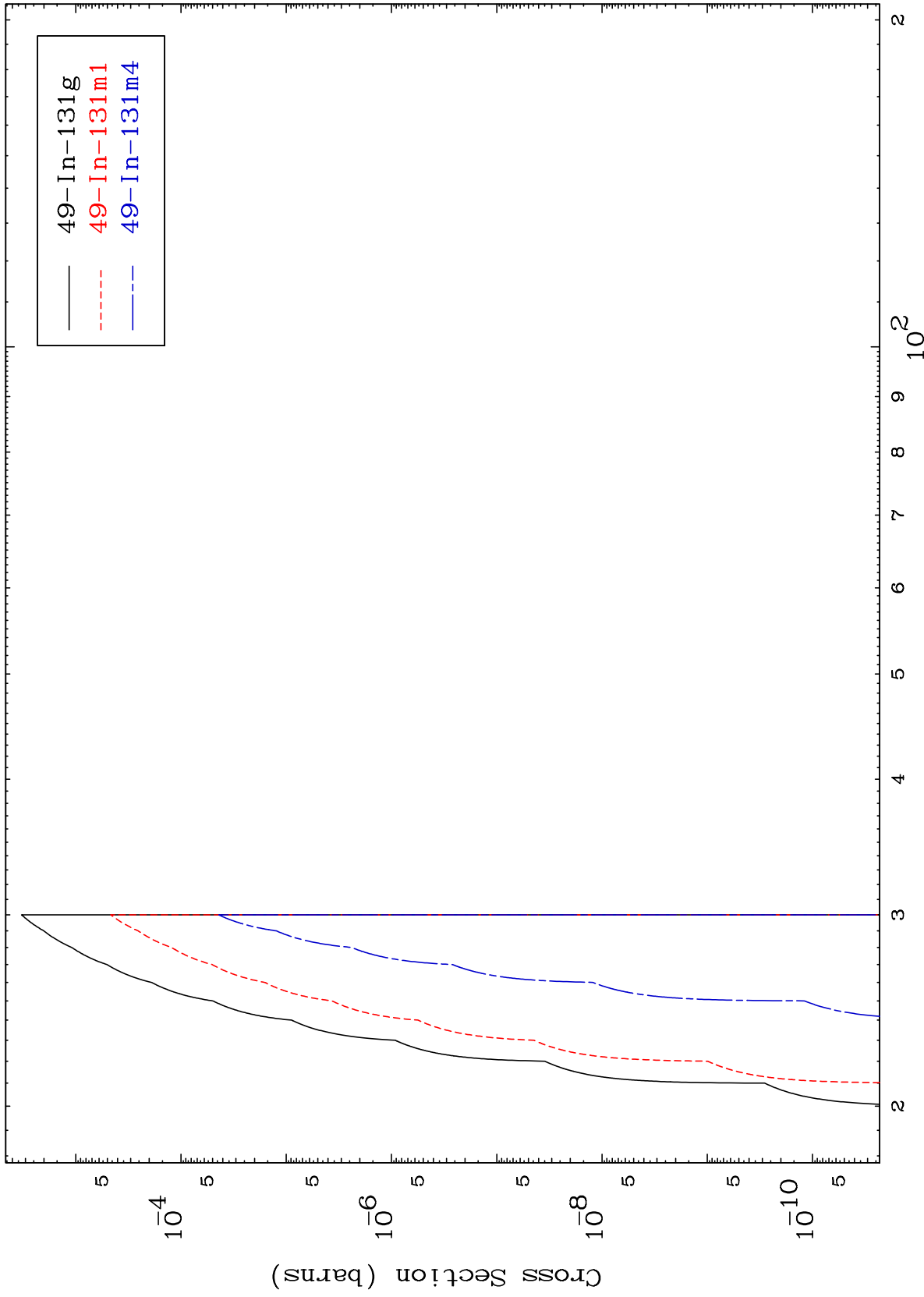
50-Sn-133

MAT 5088

(n,2n) p

50-Sn-133

Radionuclide Production Cross Section



138

Incident Energy (MeV)

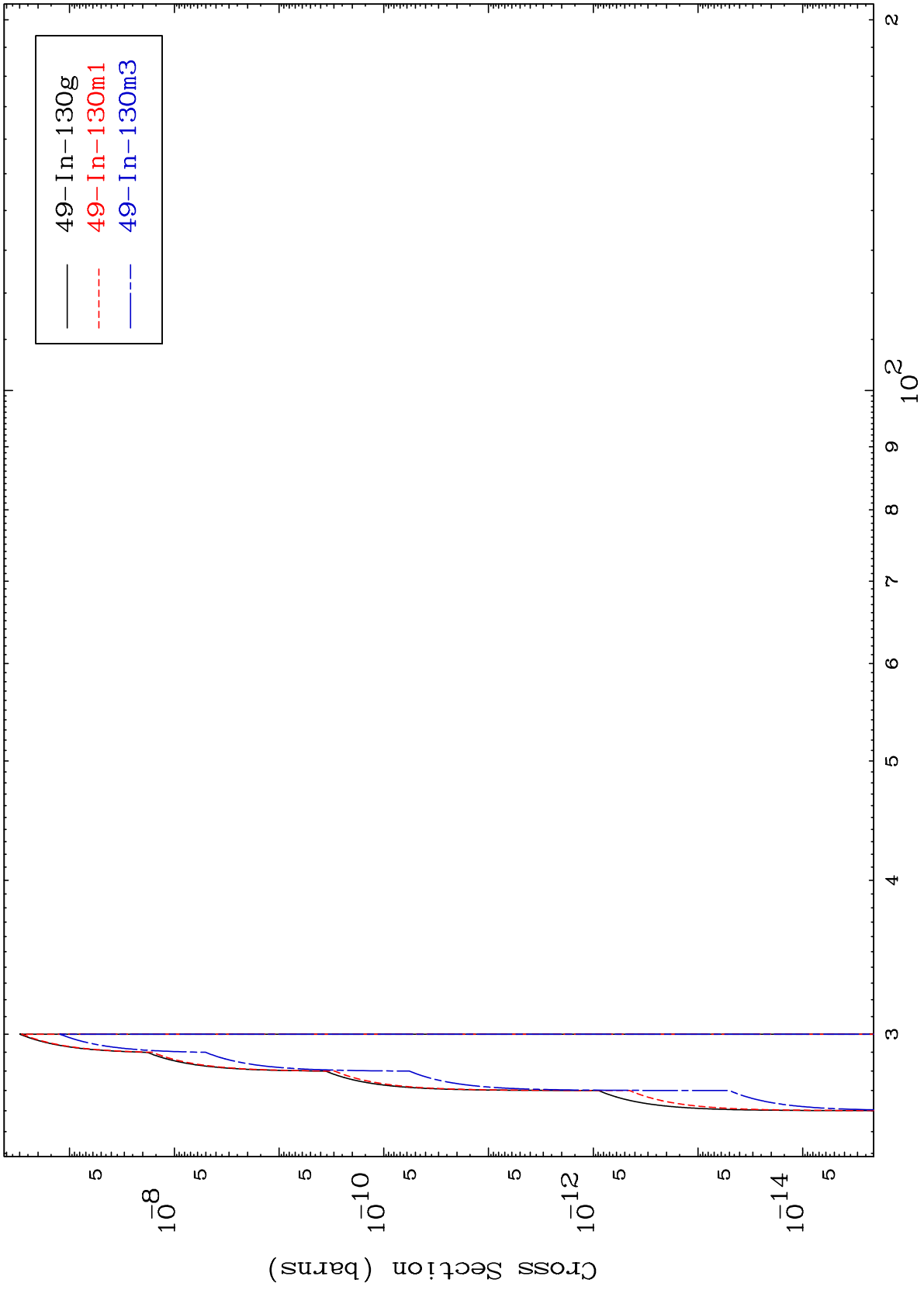
50-Sn-133

MAT 5088

(n,3n) p

50-Sn-133

Radionuclide Production Cross Section



139

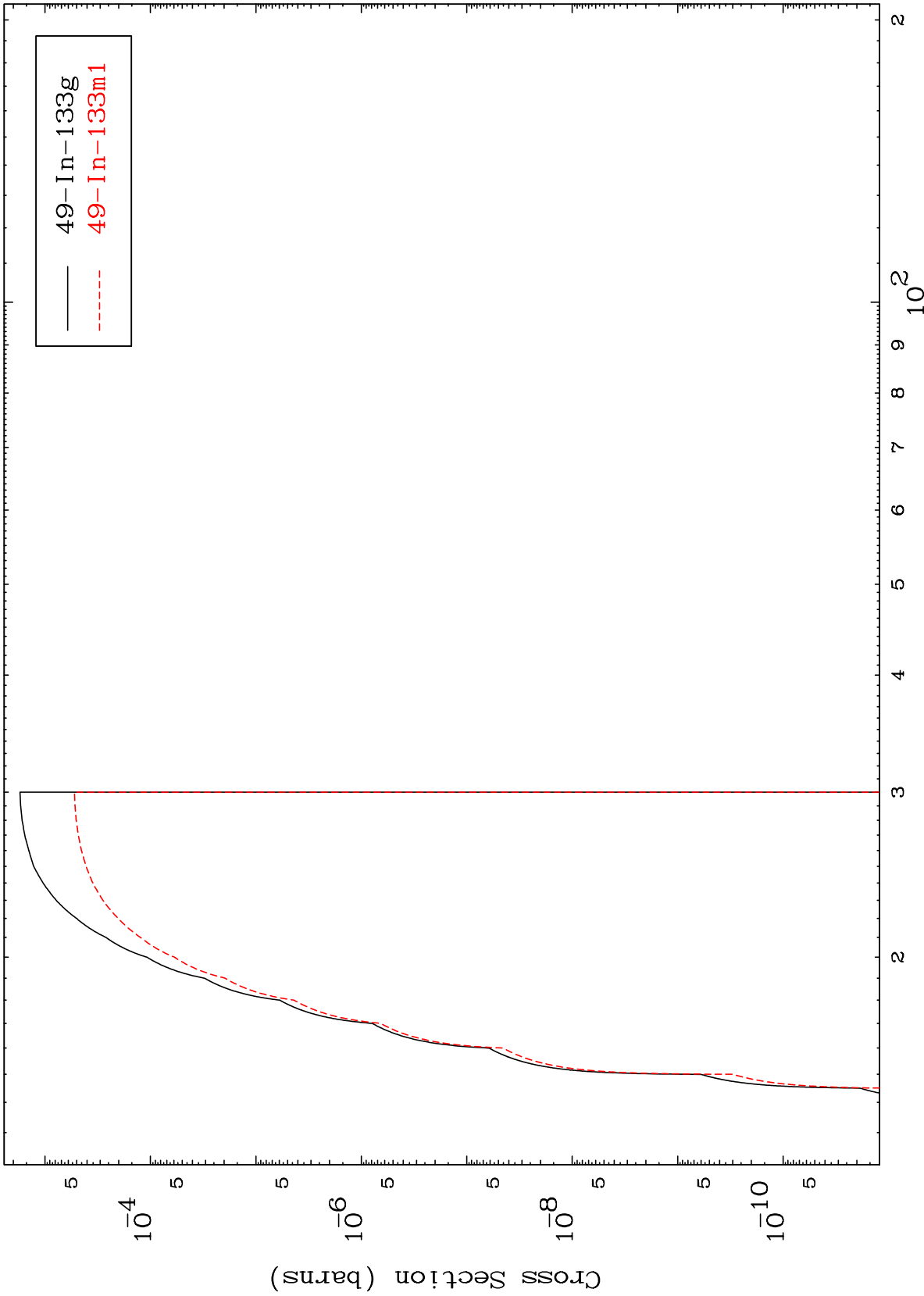
Incident Energy (MeV)

50-Sn-133

MAT 5088

50-Sn-133

(n,p)
Radionuclide Production Cross Section



140

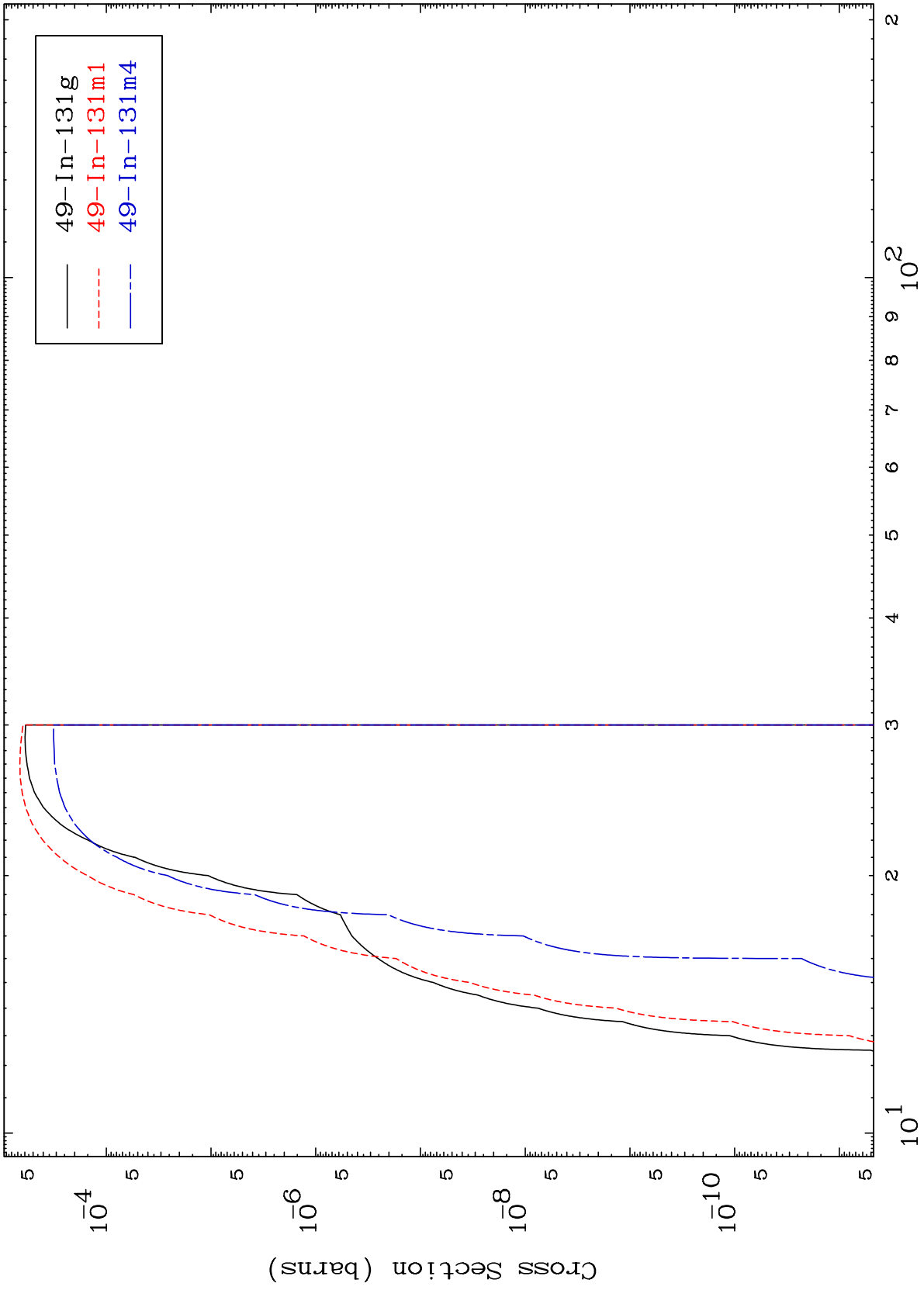
Incident Energy (MeV)

50-Sn-133

MAT 5088

50-Sn-133

(n, t)
Radionuclide Production Cross Section



50-Sn-133

Incident Energy (MeV)

141