

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

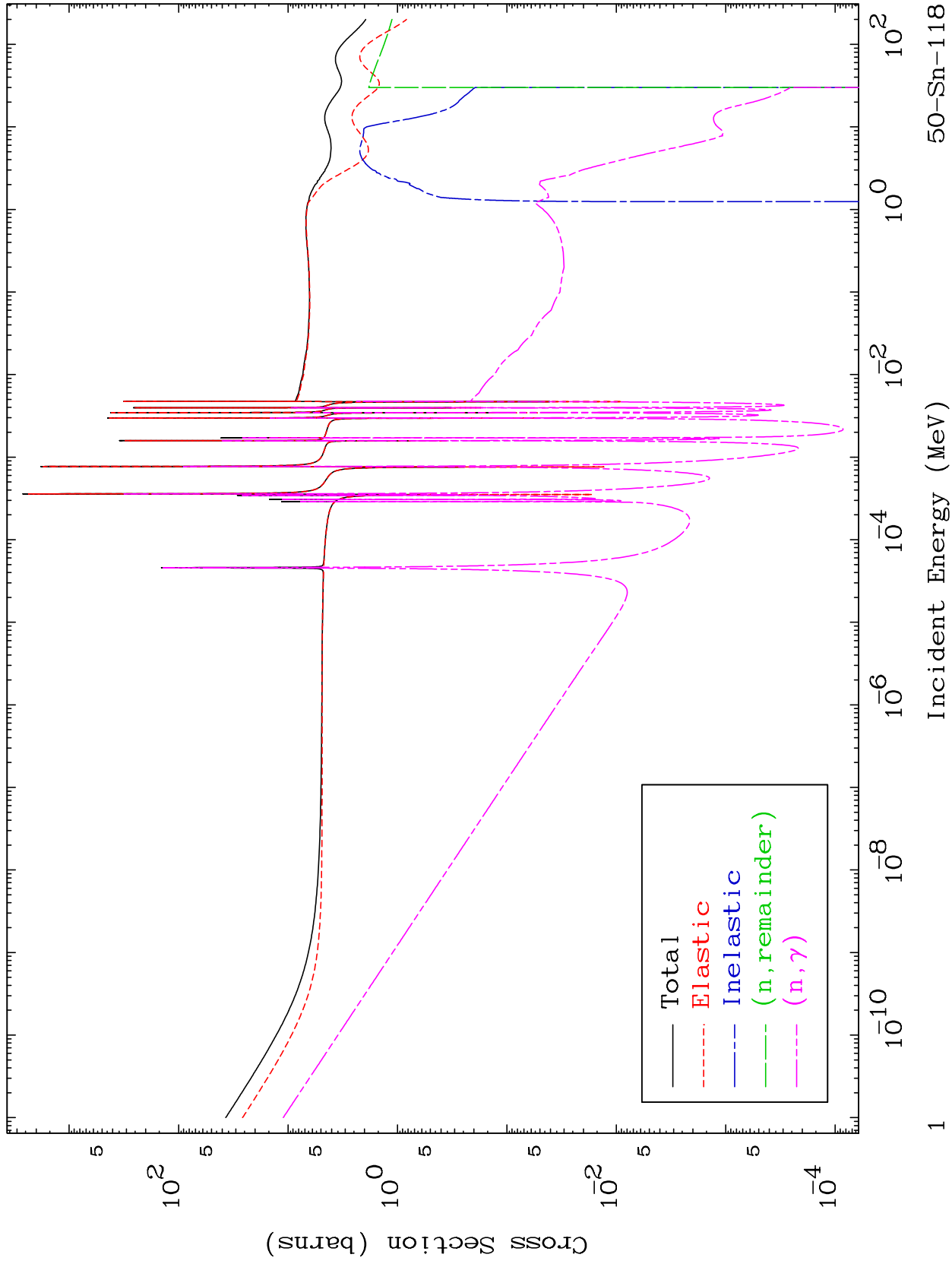
Press Mouse Button to Start

MAT 5043

Major

293 Kelvin Cross Sections

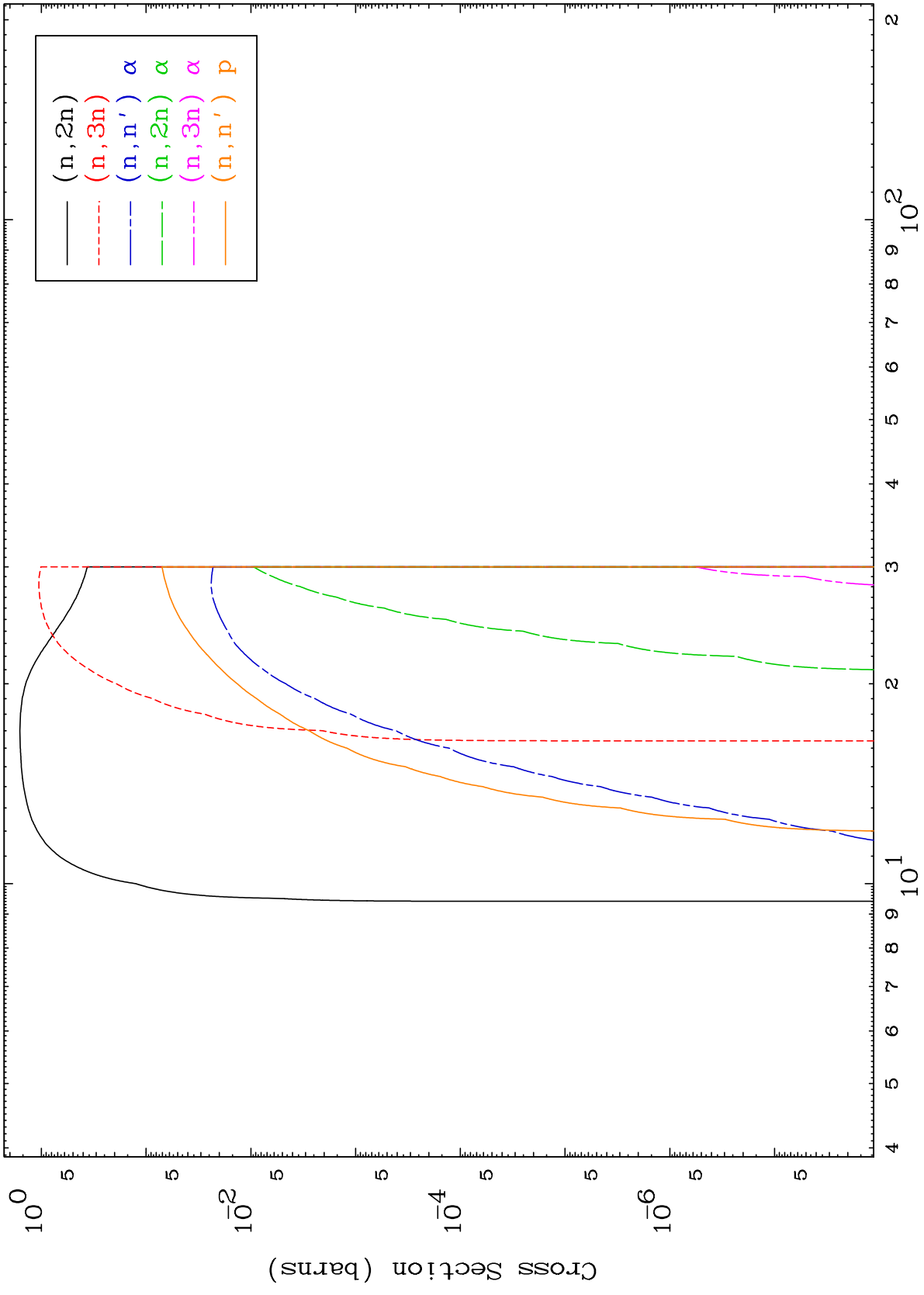
50-Sn-118



MAT 5043

Neutron Production
293 Kelvin Cross Sections

50-Sn-118



2

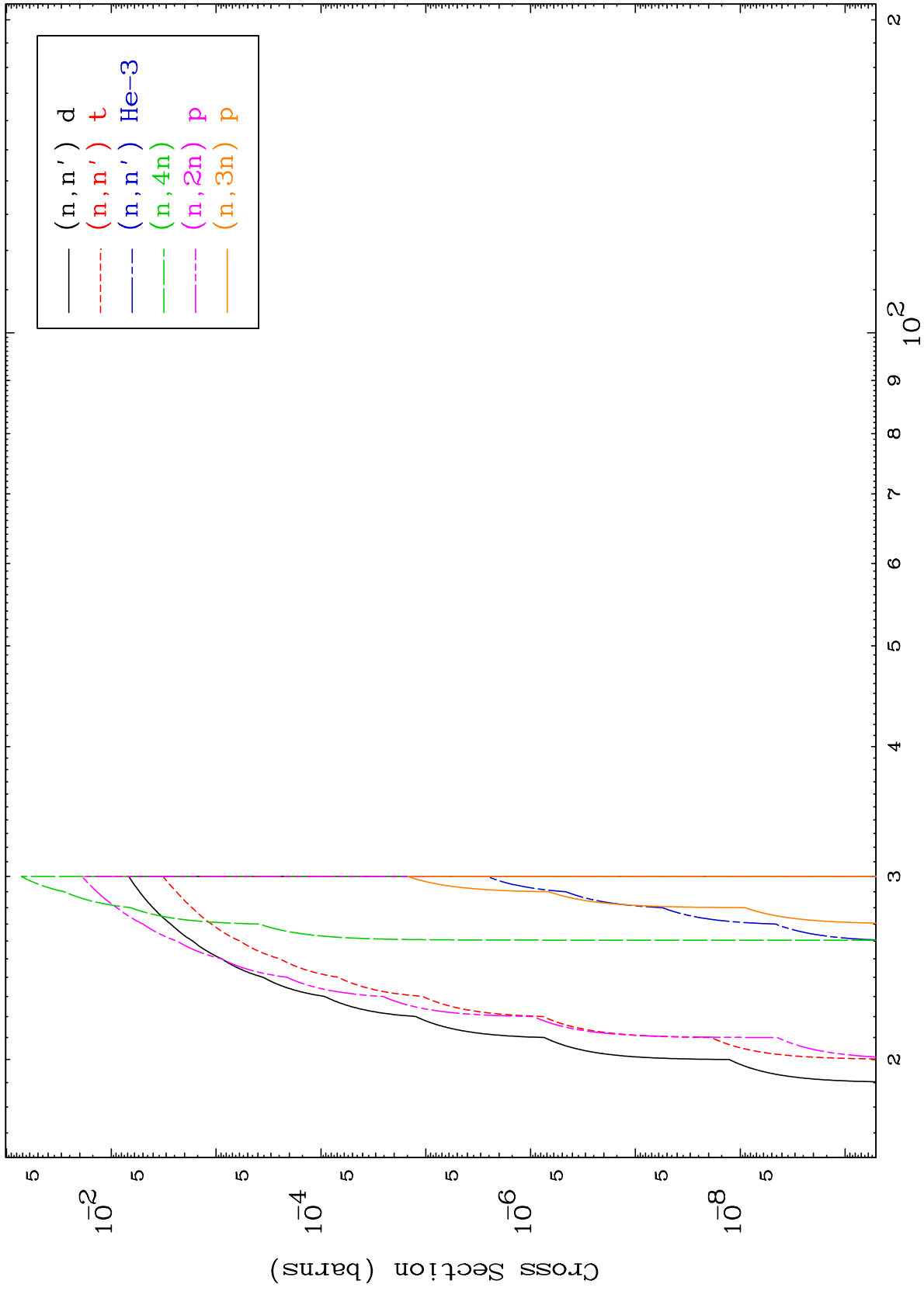
Incident Energy (MeV)

50-Sn-118

MAT 5043

Neutron Production
293 Kelvin Cross Sections

50-Sn-118



3

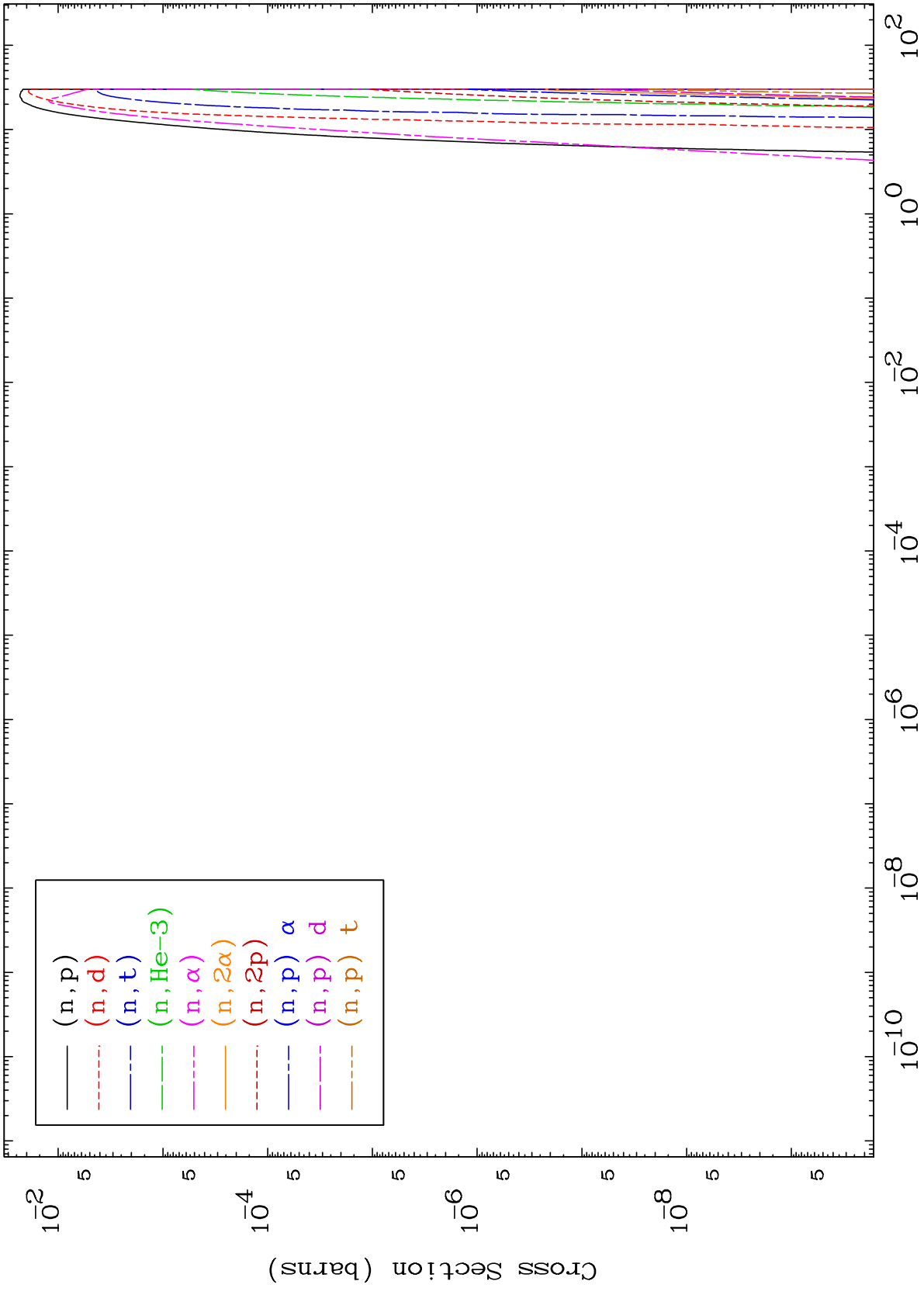
Incident Energy (MeV)

50-Sn-118

MAT 5043

Charged Particle
293 Kelvin Cross Sections

50-Sn-118



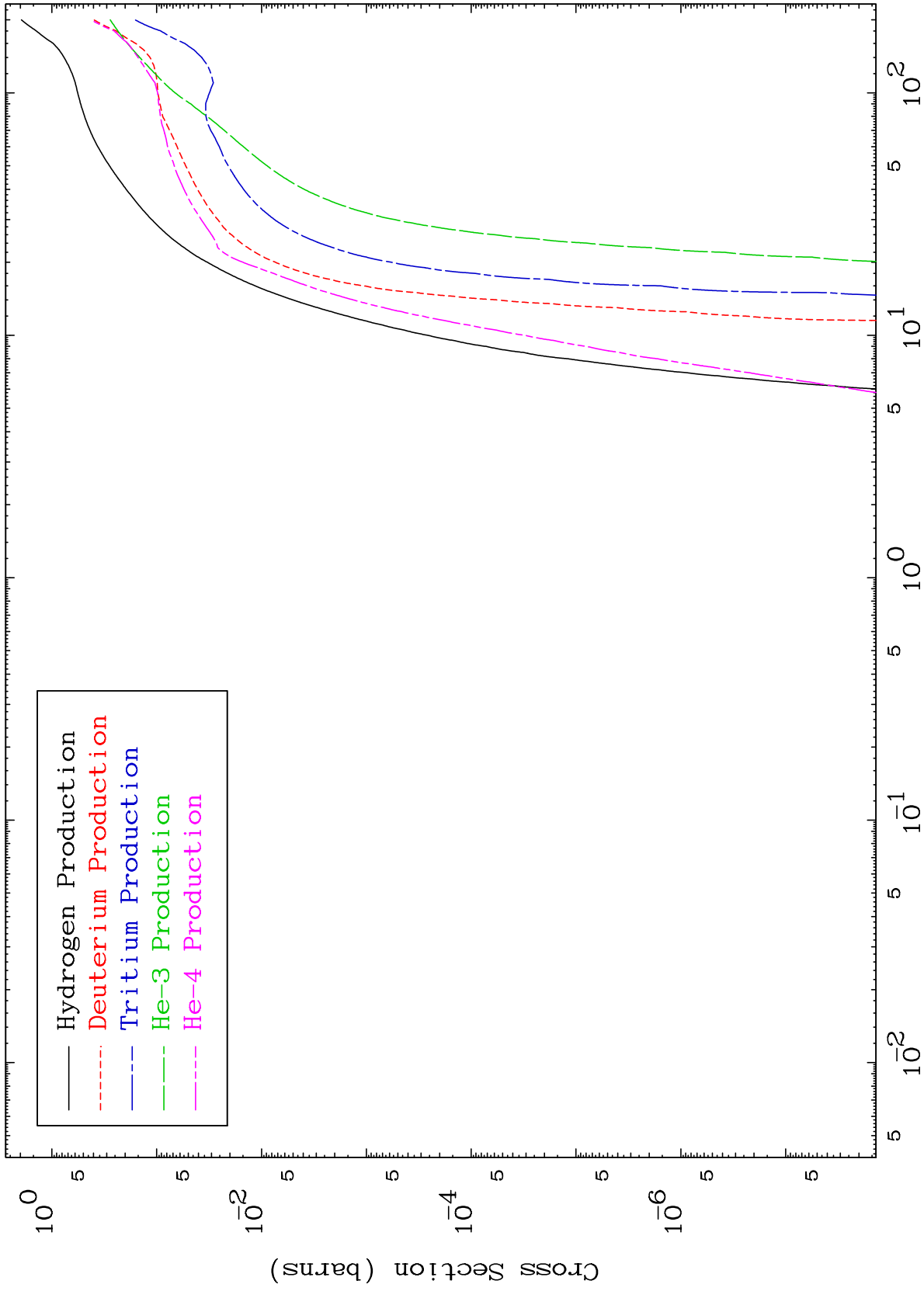
5

50-Sn-118

MAT 5043

Particle Production
293 Kelvin Cross Sections

50-Sn-118



6

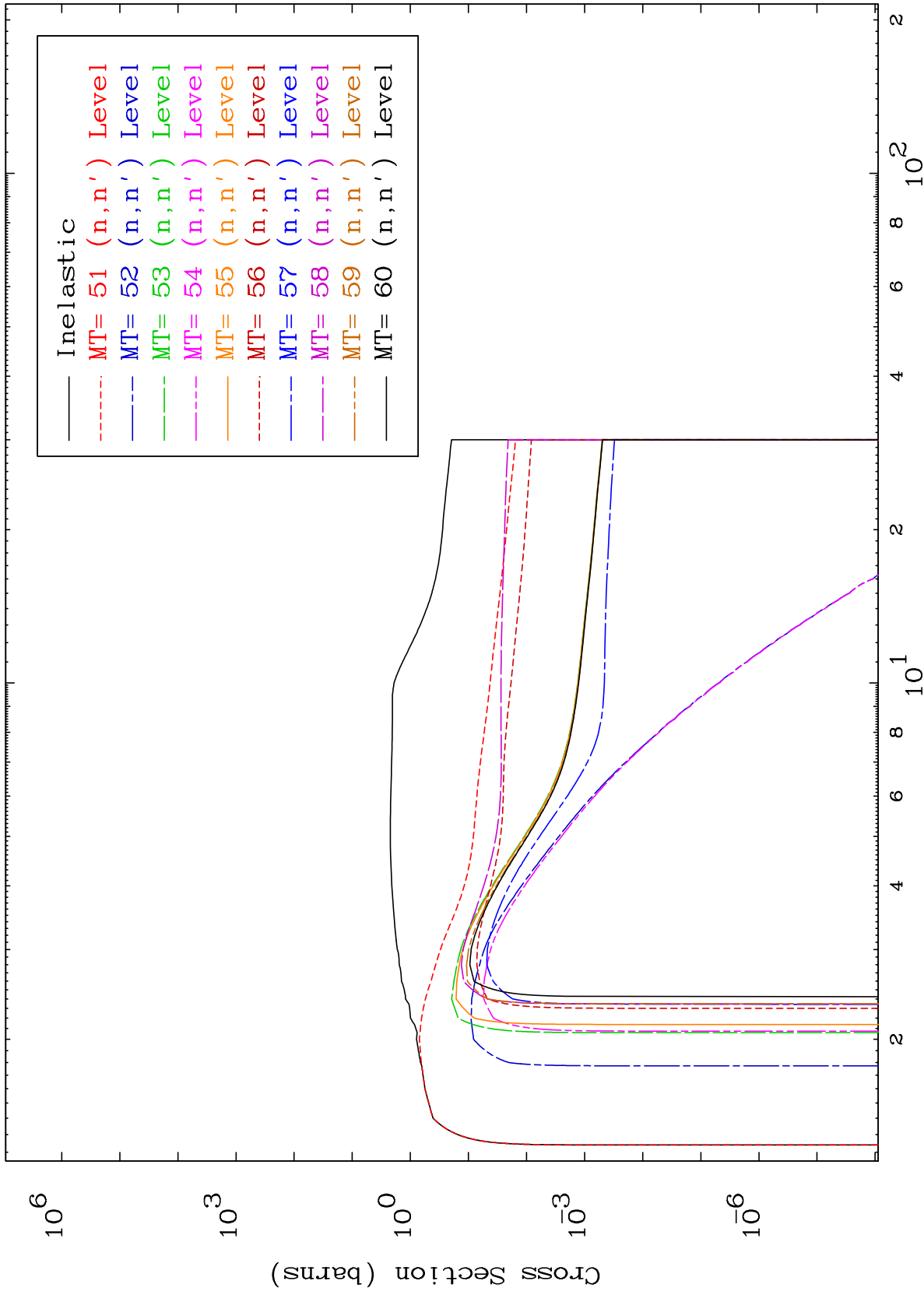
50-Sn-118

MAT 5043

(n,n') Level

50-Sn-118

293 Kelvin Cross Sections



7

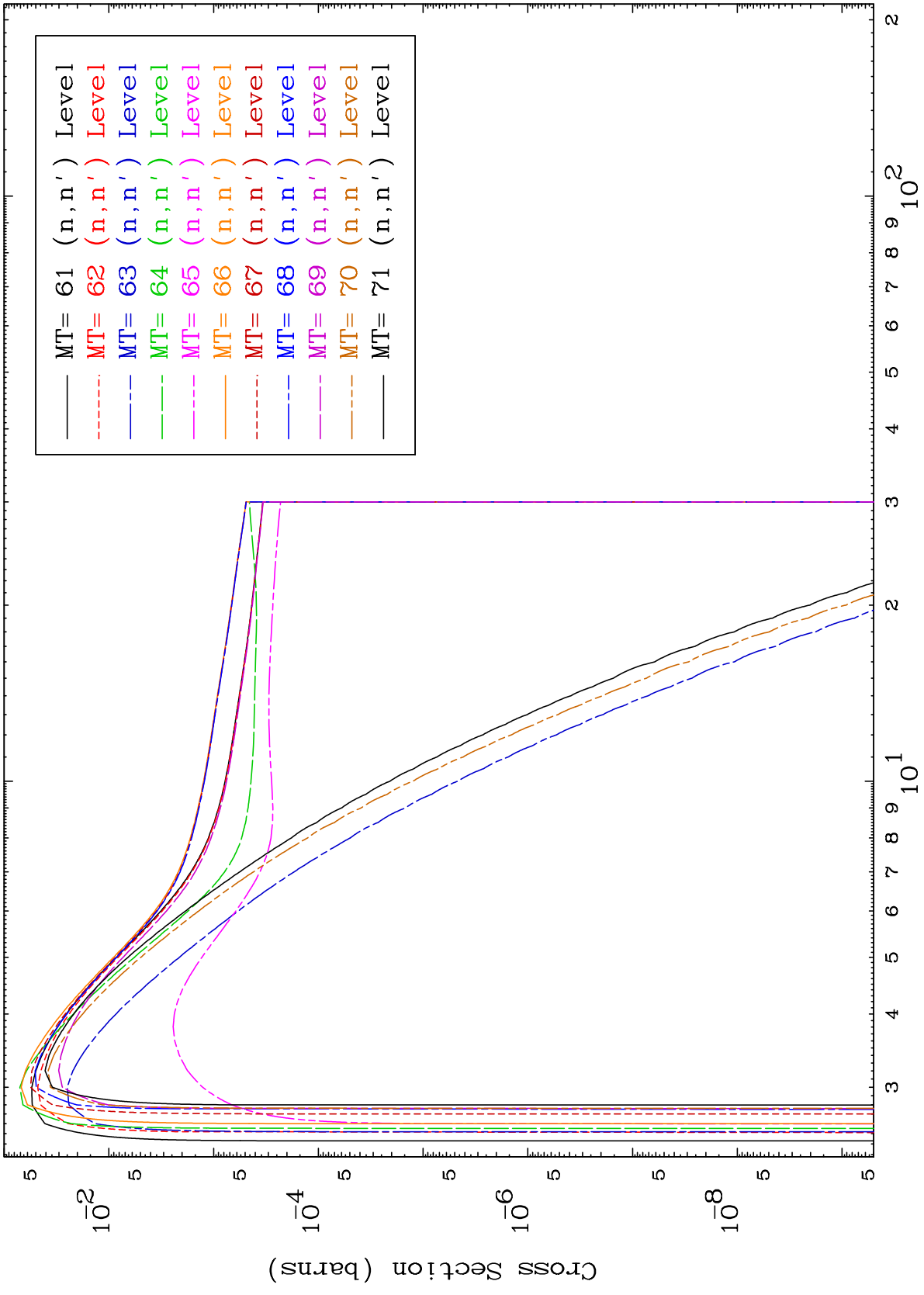
Incident Energy (MeV)

50-Sn-118

MAT 5043

(n,n') Level
293 Kelvin Cross Sections

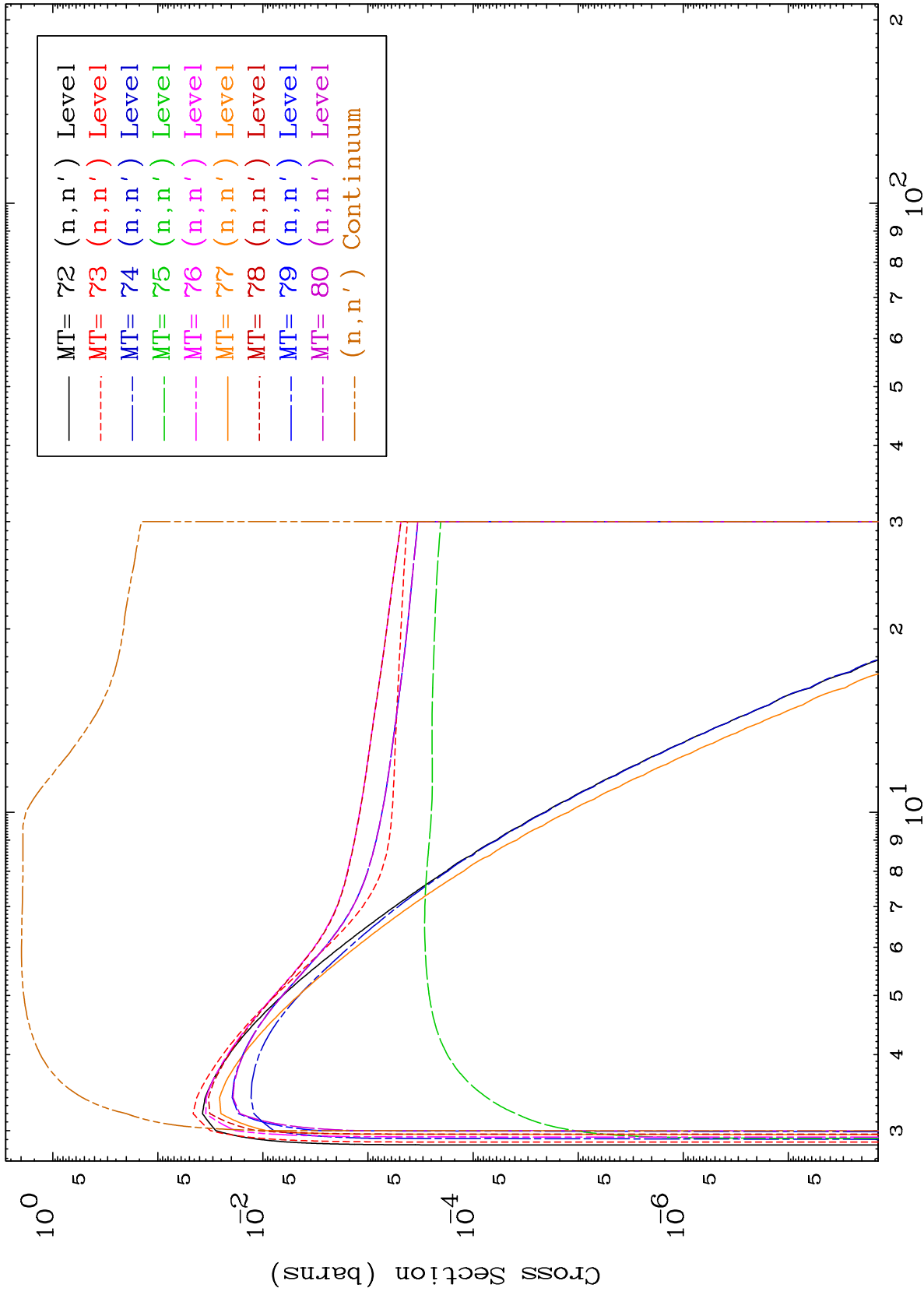
50-Sn-118



MAT 5043

(n,n') Level
293 Kelvin Cross Sections

50-Sn-118



9

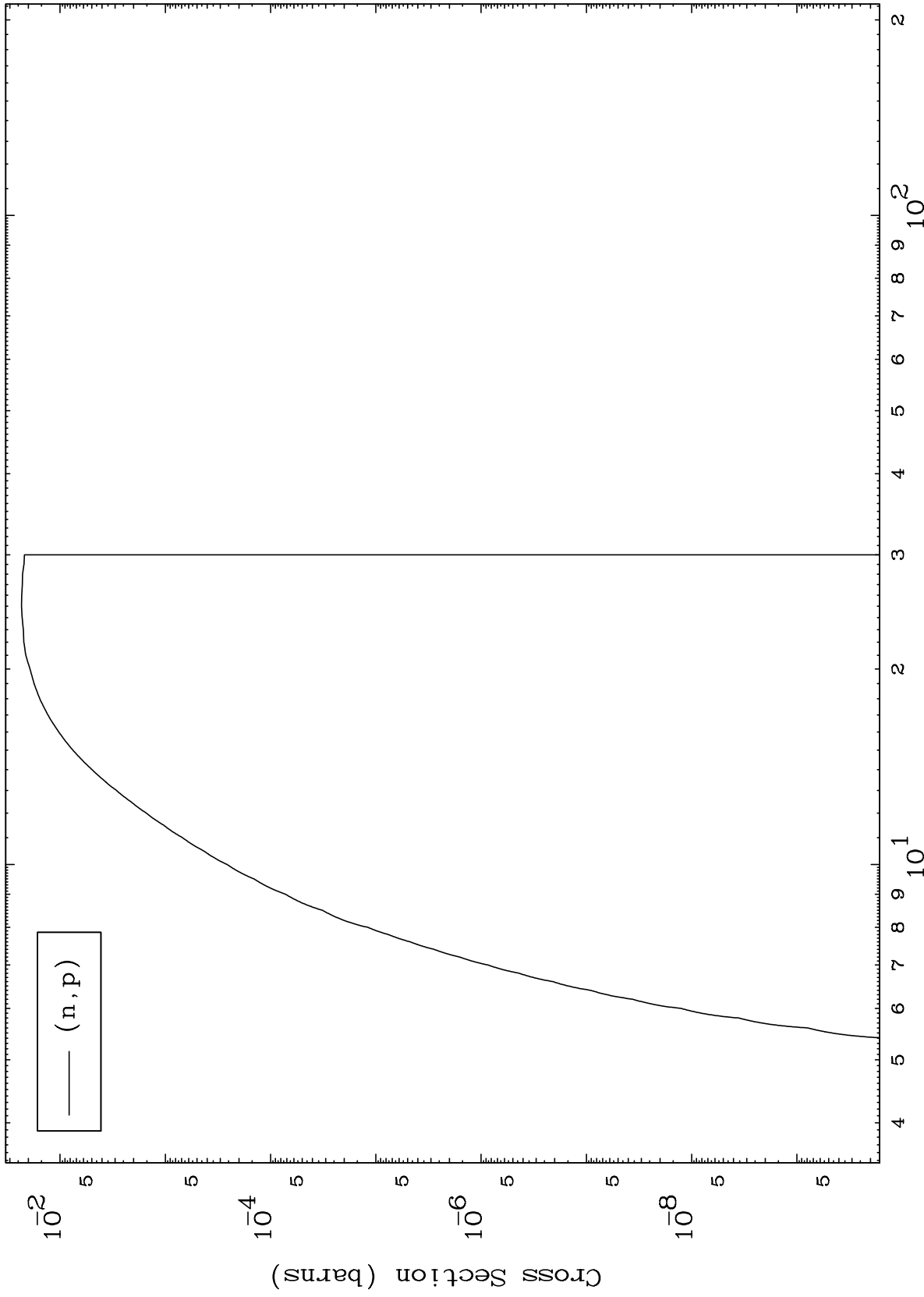
Incident Energy (MeV)

50-Sn-118

MAT 5043

(n,p) Levels
293 Kelvin Cross Sections

50-Sn-118



10

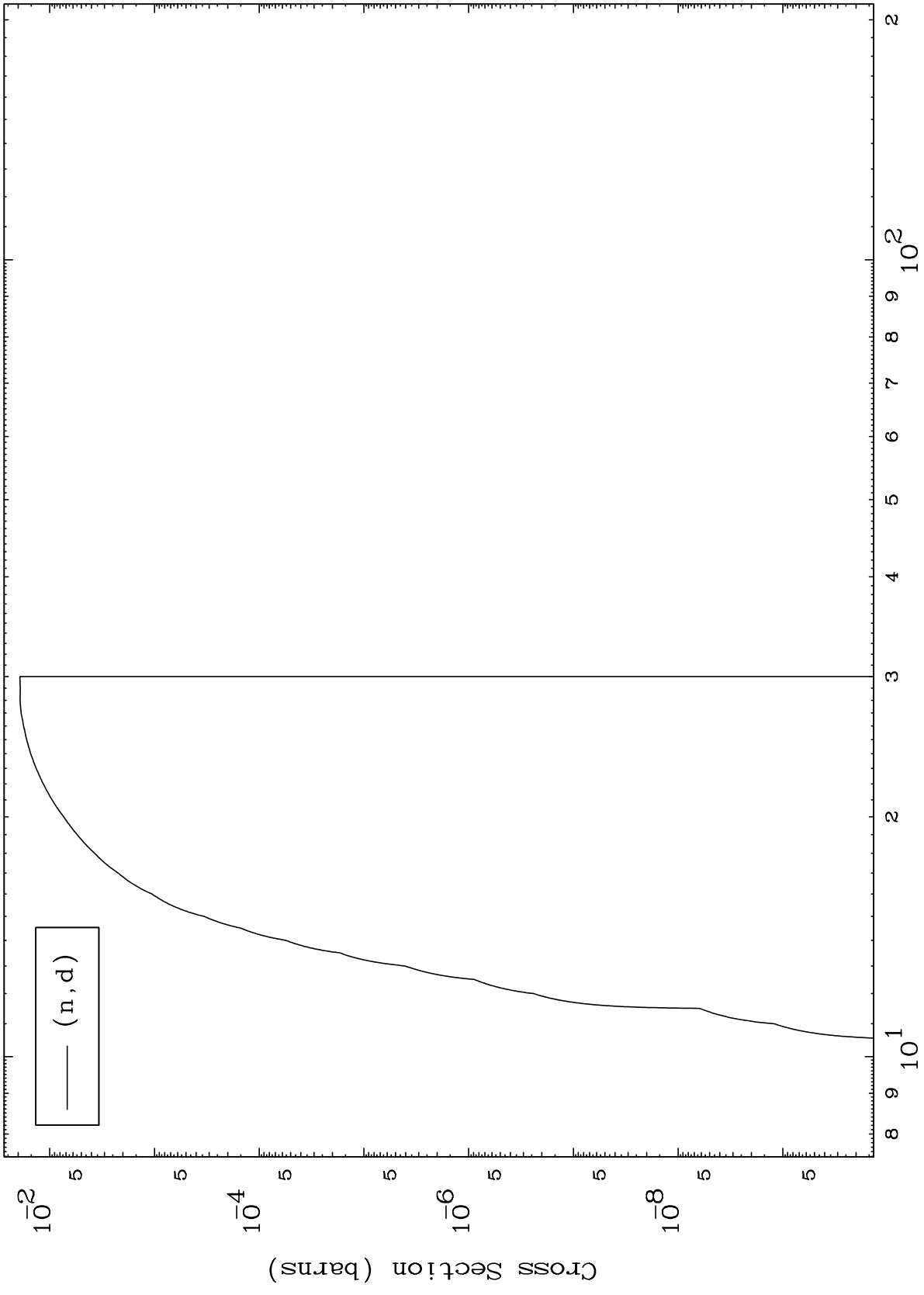
Incident Energy (MeV)

50-Sn-118

MAT 5043

(n,d) Levels
293 Kelvin Cross Sections

50-Sn-118



11

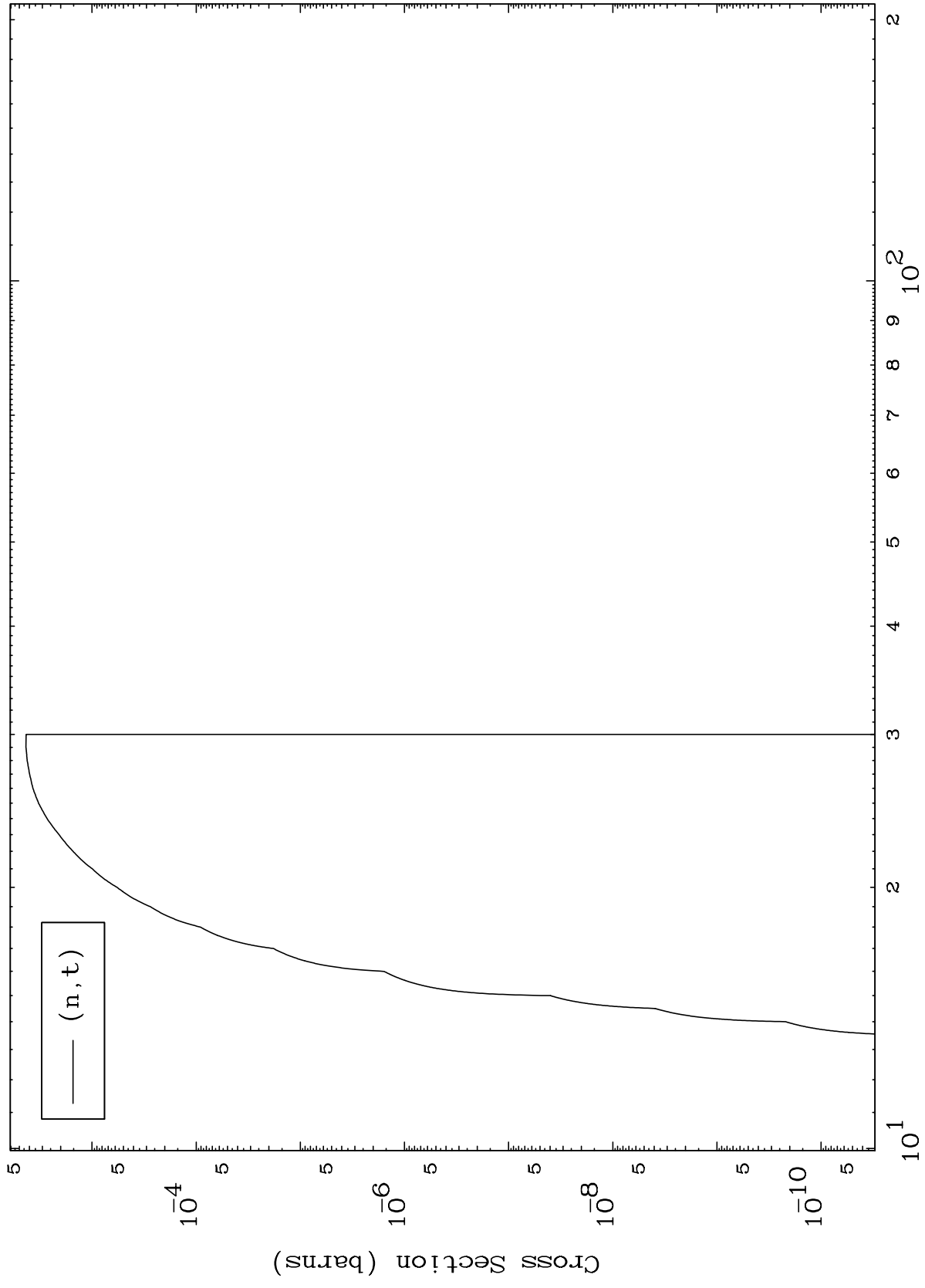
Incident Energy (MeV)

50-Sn-118

MAT 5043

(n,t) Levels
293 Kelvin Cross Sections

50-Sn-118



12

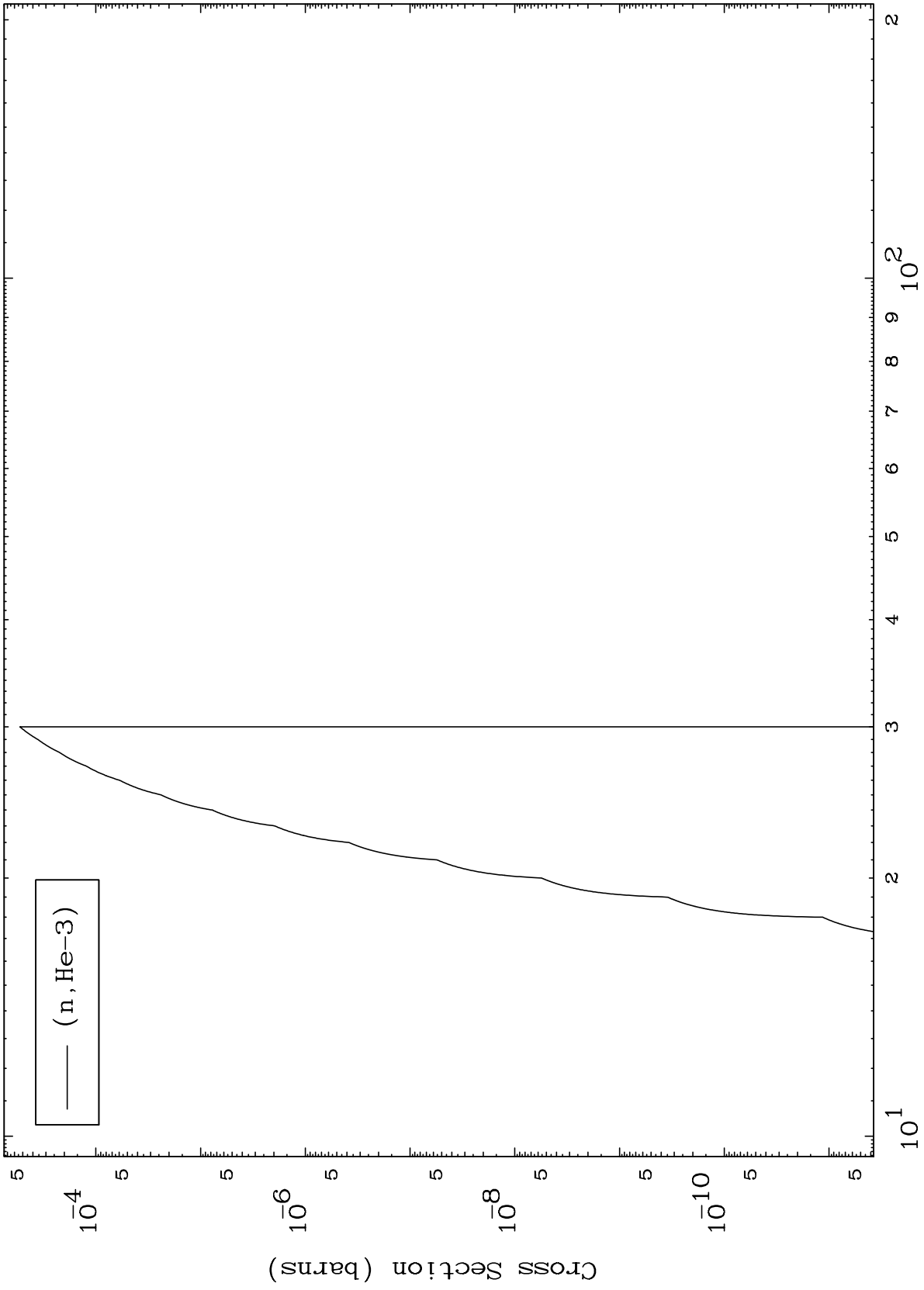
Incident Energy (MeV)

50-Sn-118

MAT 5043

(n,He3) Levels
293 Kelvin Cross Sections

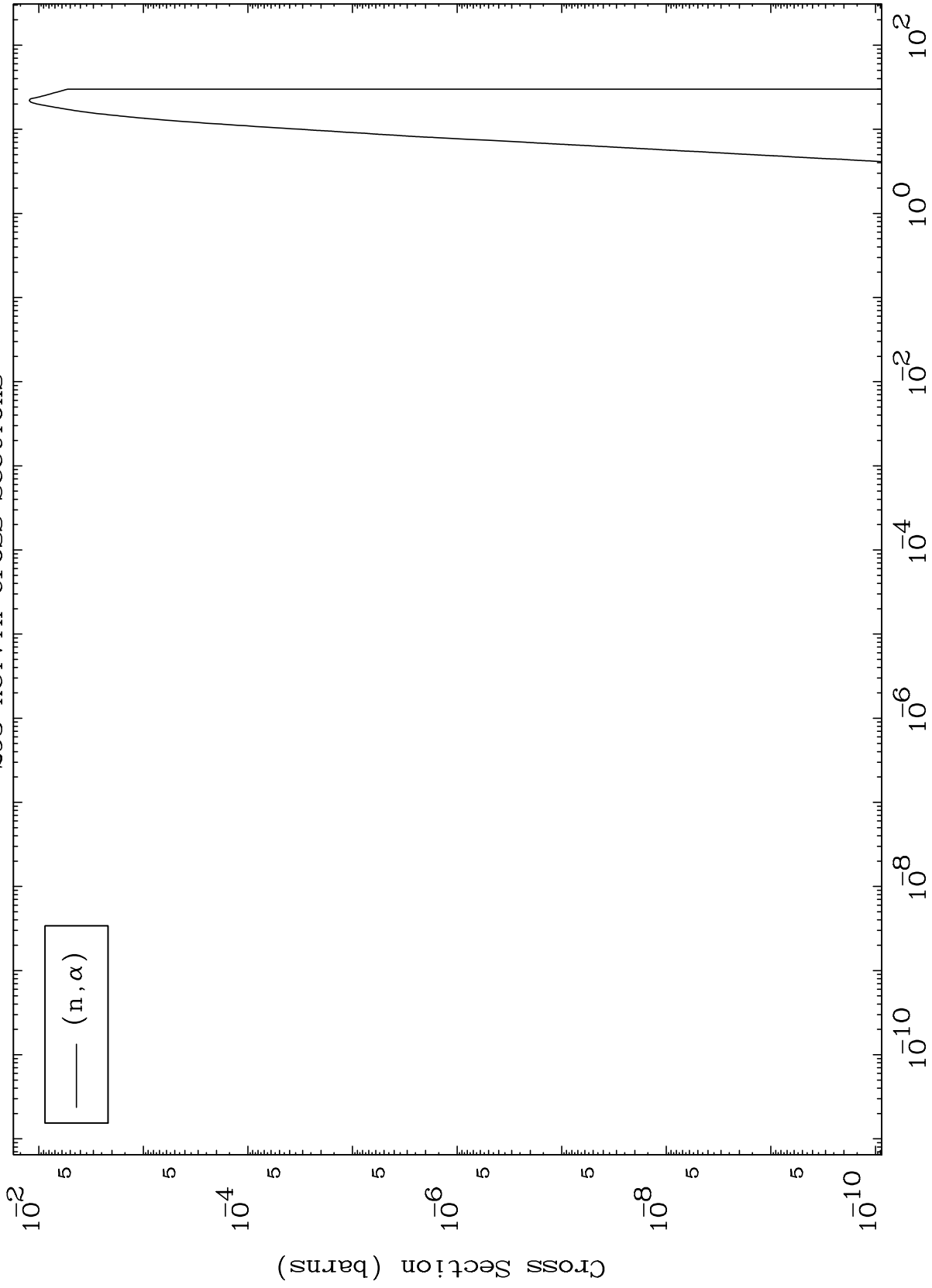
50-Sn-118



MAT 5043

(n,α) Levels
293 Kelvin Cross Sections

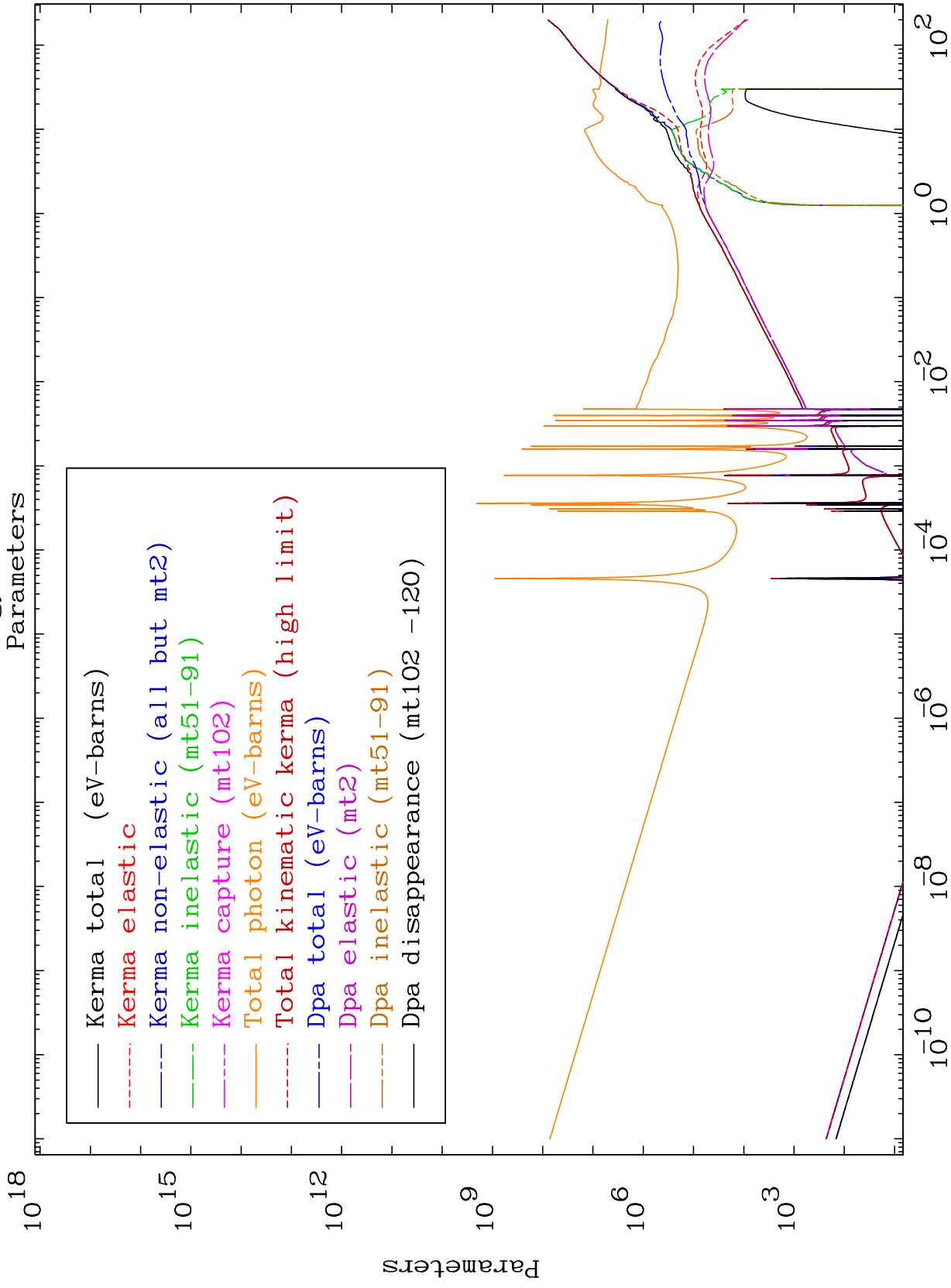
50-Sn-118



MAT 5043

Energy Release
Parameters

50-Sn-118



15

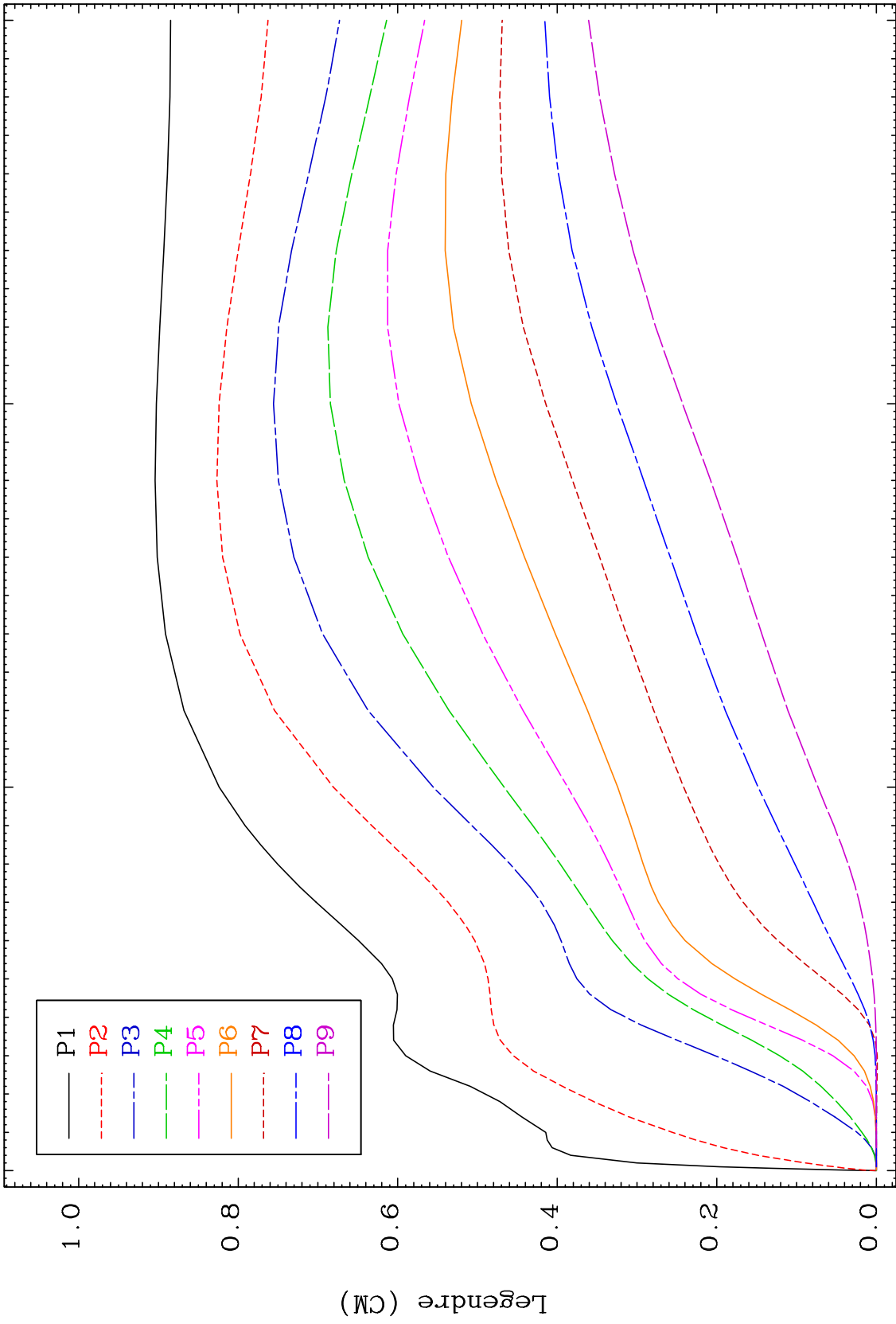
Incident Energy (MeV)

50-Sn-118

MAT 5043

Elastic Legendre Coefficients

50-Sn-118



16

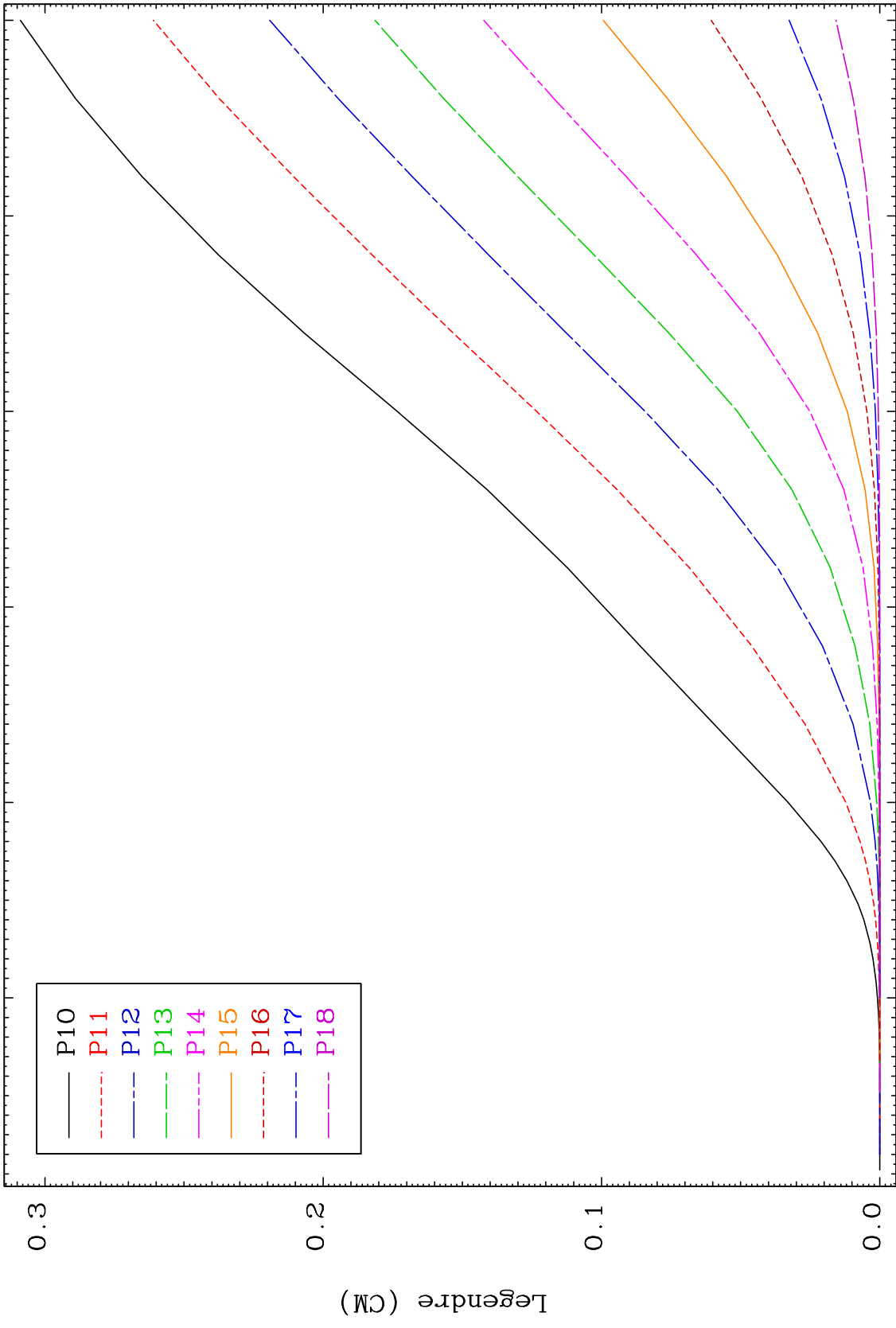
Incident Energy (MeV)

50-Sn-118

MAT 5043

Elastic Legendre Coefficients

50-Sn-118



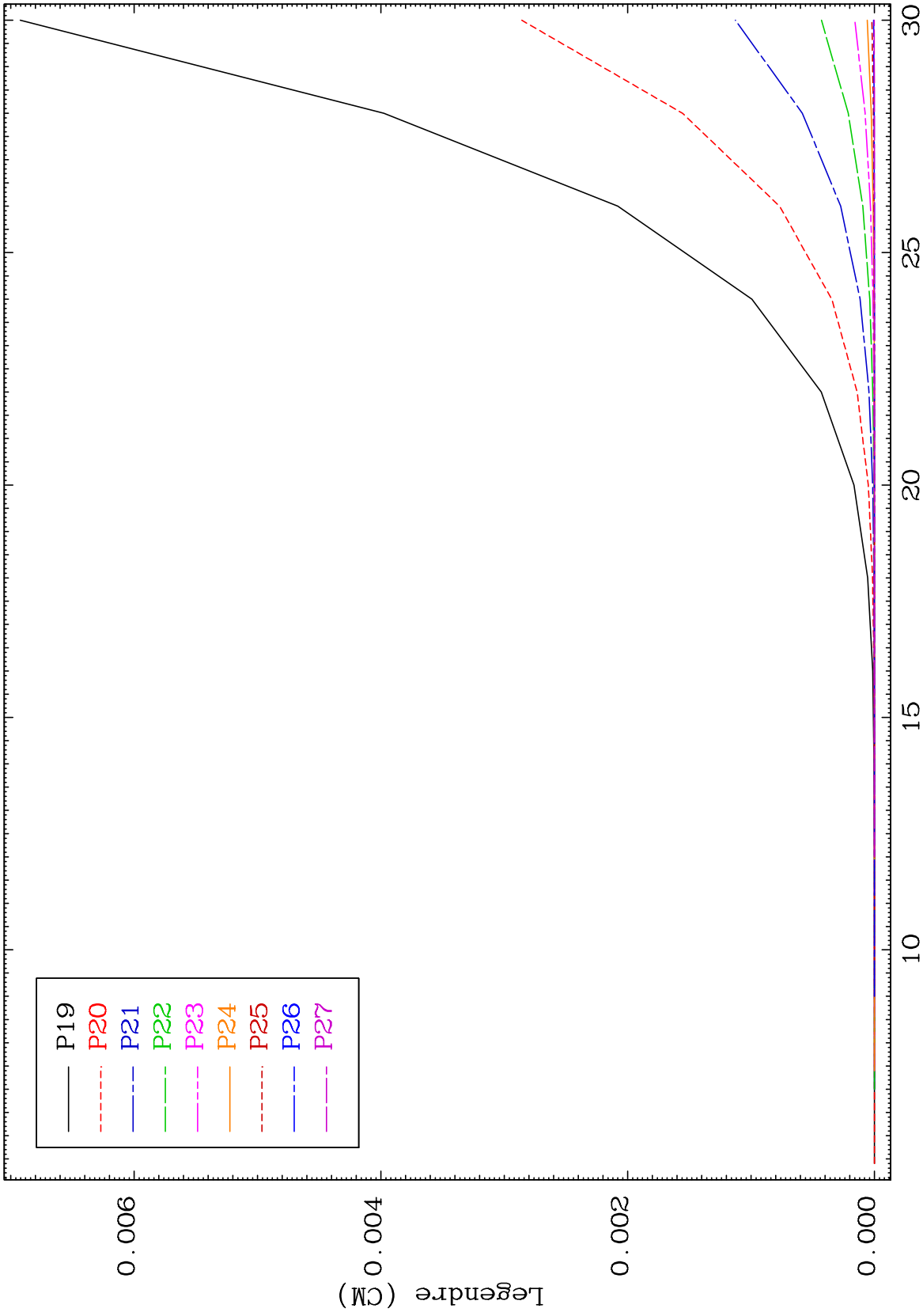
17

50-Sn-118

MAT 5043

Elastic Legendre Coefficients

50-Sn-118



18

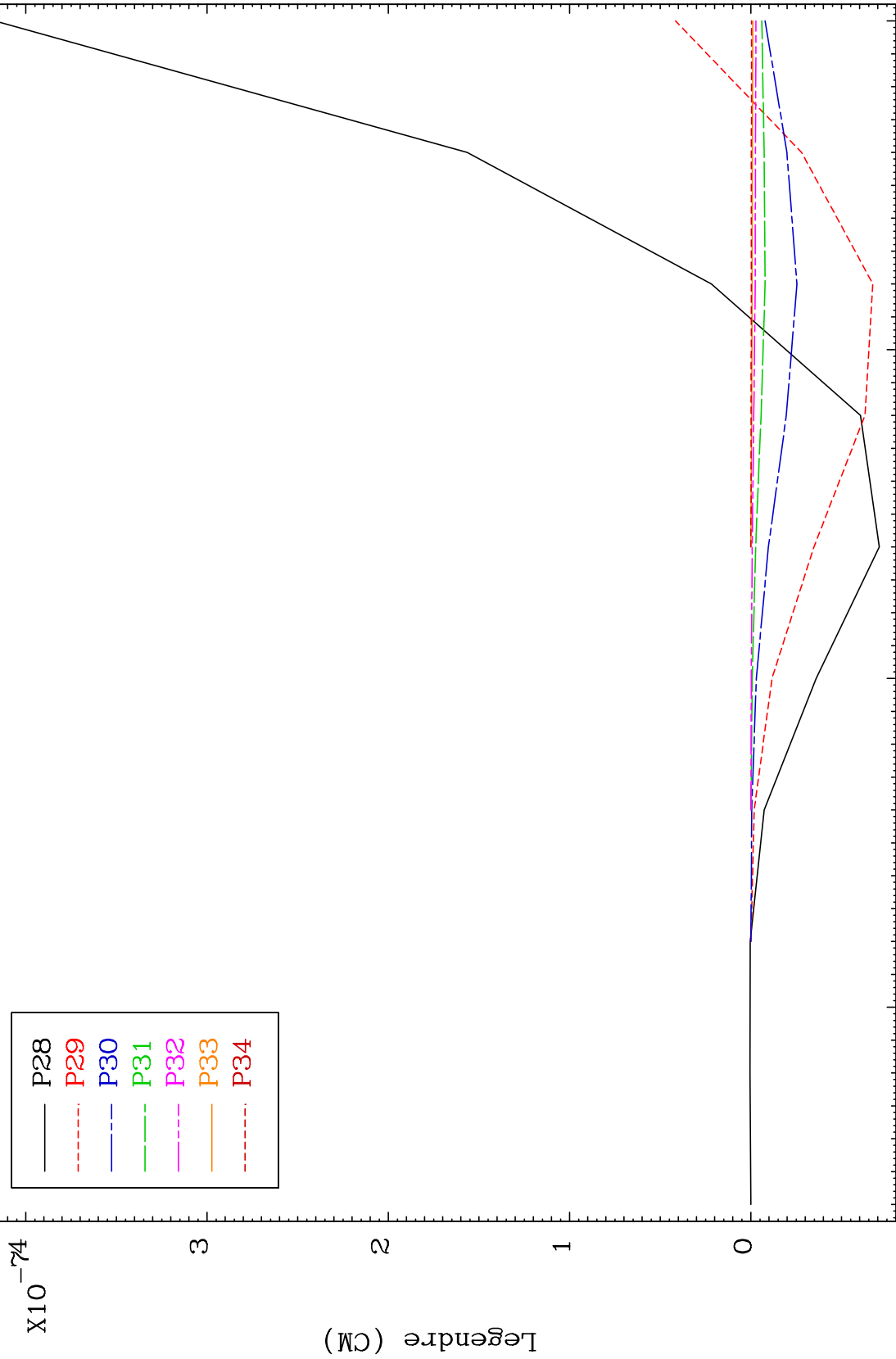
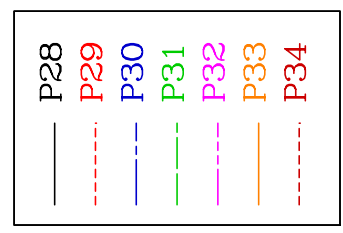
Incident Energy (MeV)

50-Sn-118

MAT 5043

Elastic Legendre Coefficients

50-Sn-118

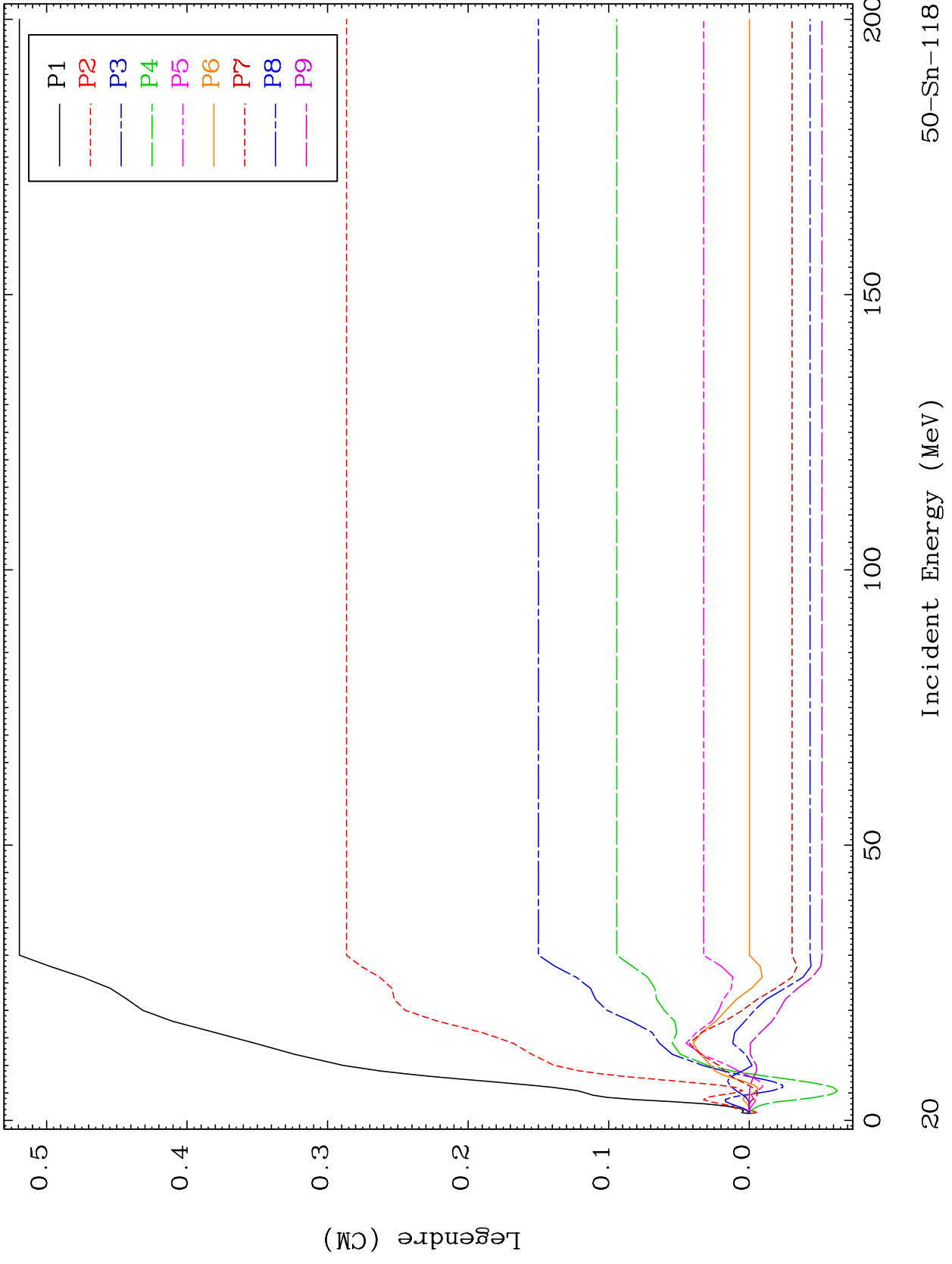


19

Incident Energy (MeV)

50-Sn-118

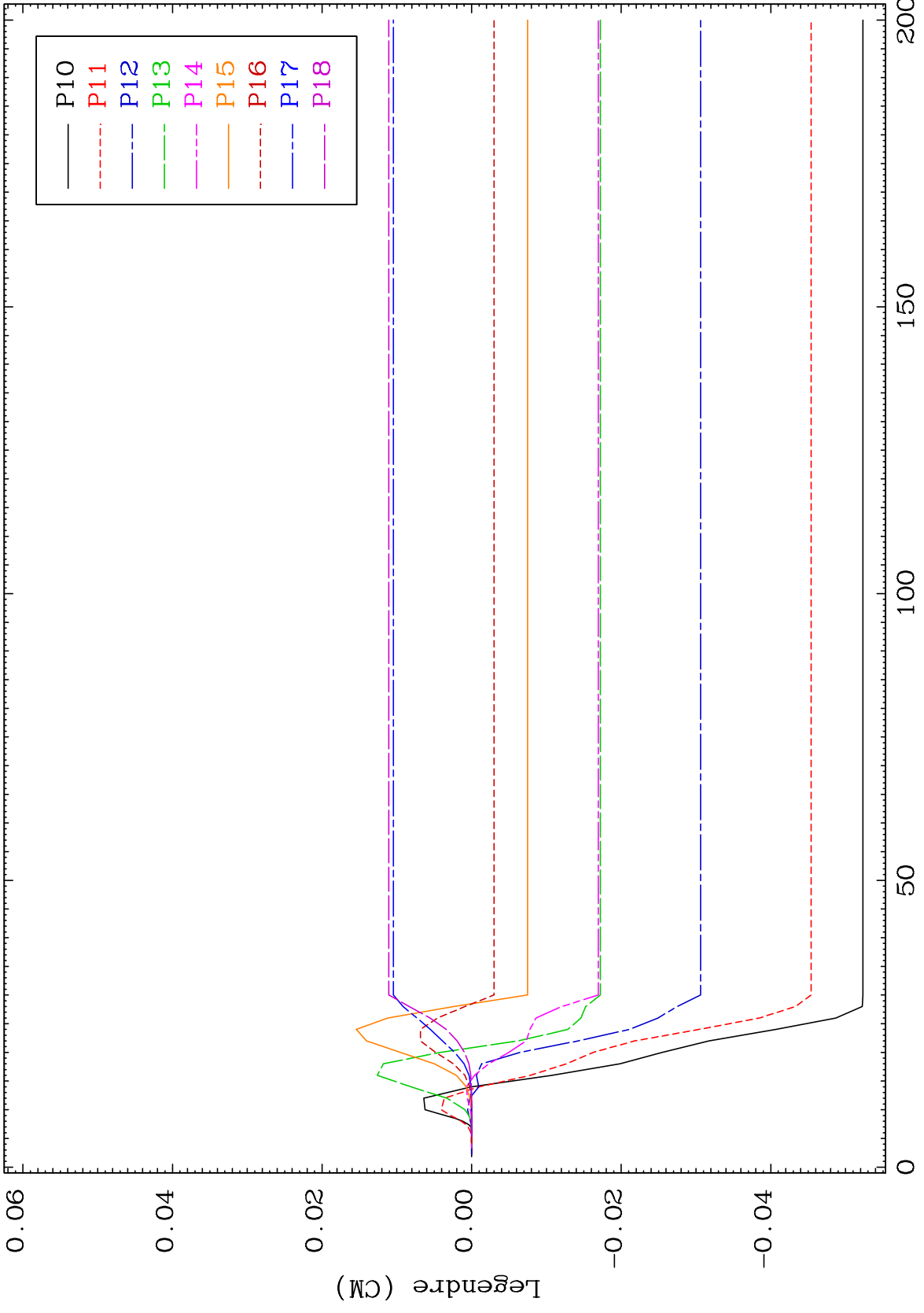
MAT 5043 MT= 51 (n,n') Level Legendre Coefficients 50-Sn-118



MAT 5043

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

50-Sn-118



21

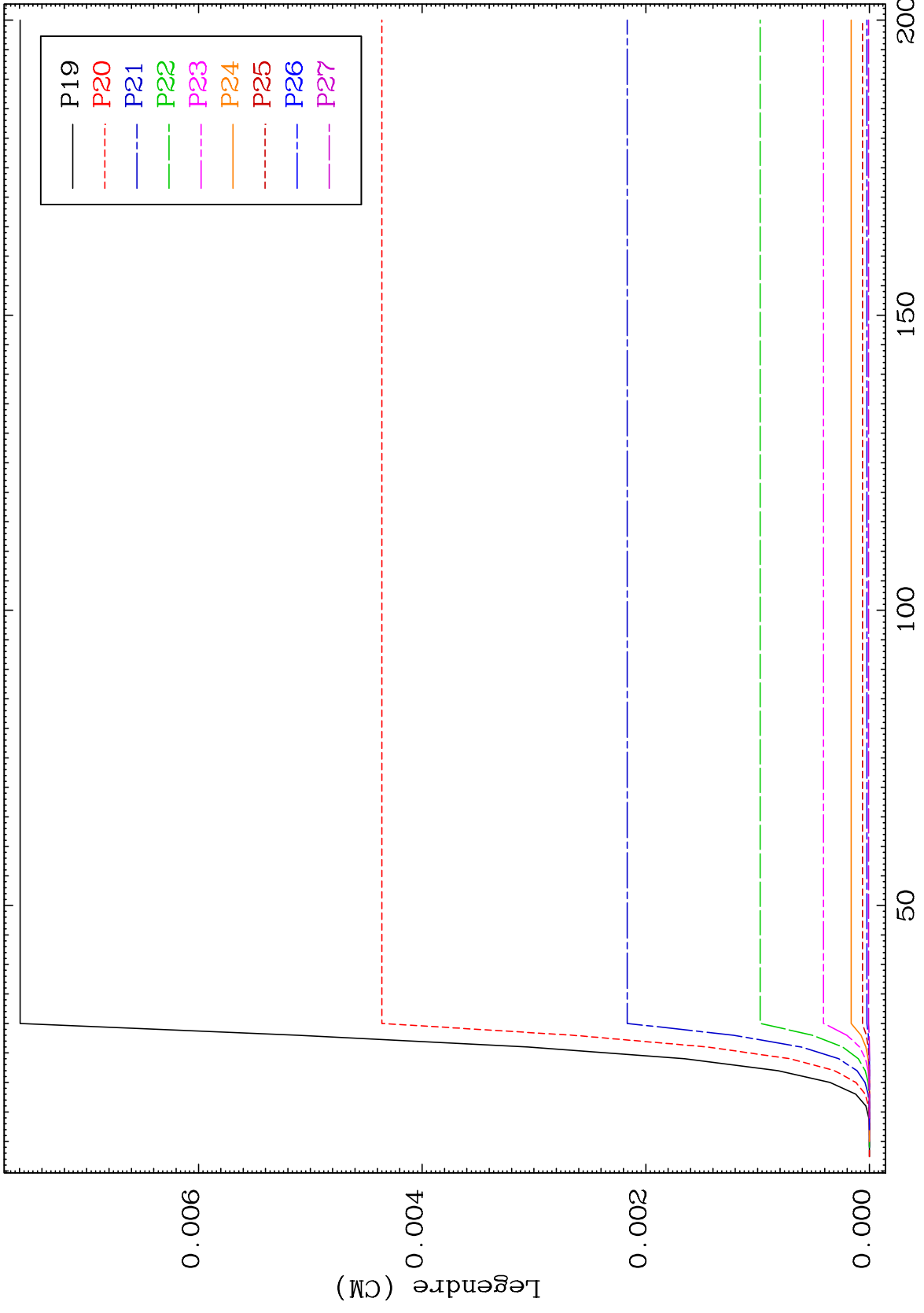
Incident Energy (MeV)

50-Sn-118

MAT 5043

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

50-Sn-118



22

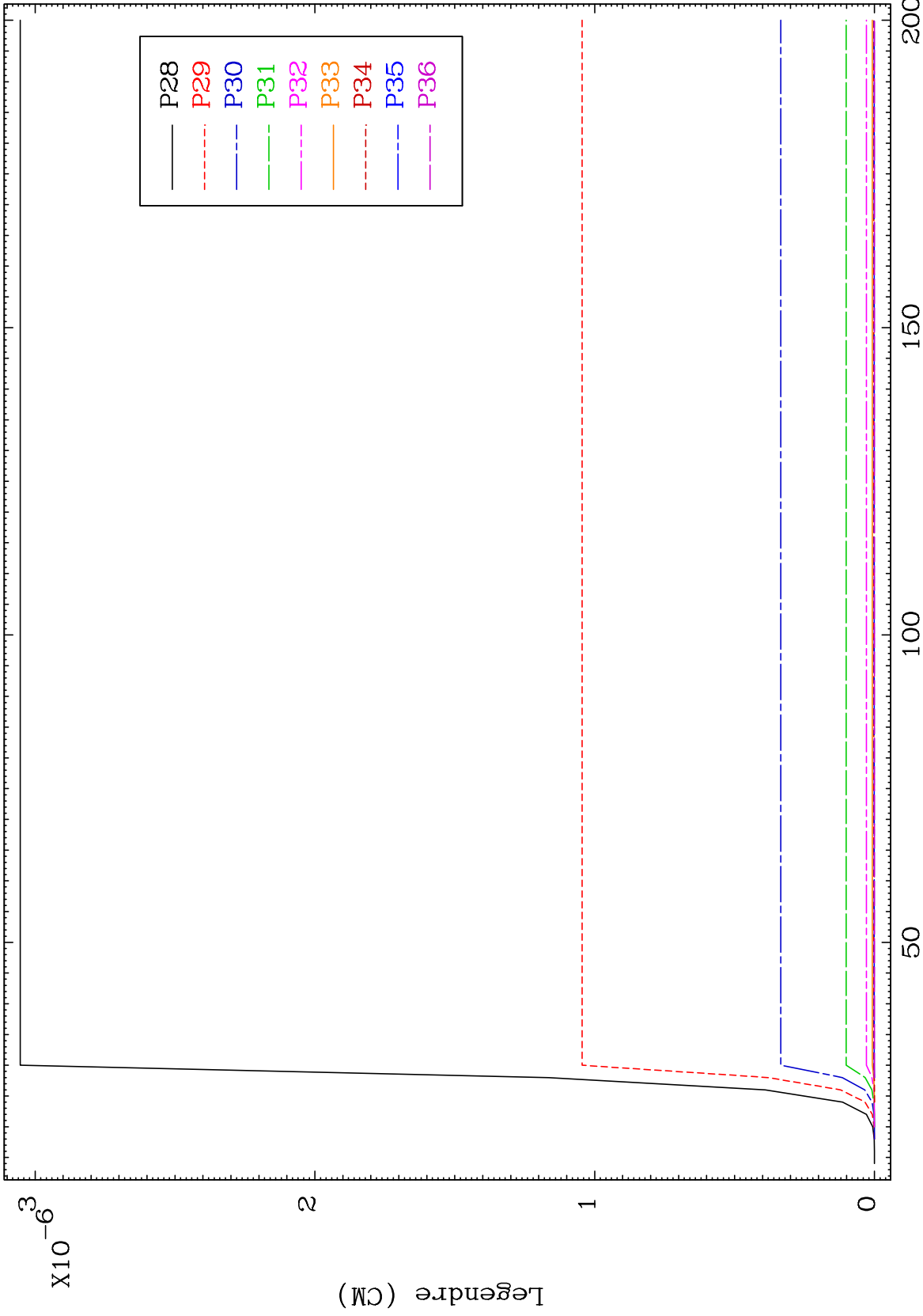
Incident Energy (MeV)

50-Sn-118

MAT 5043

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

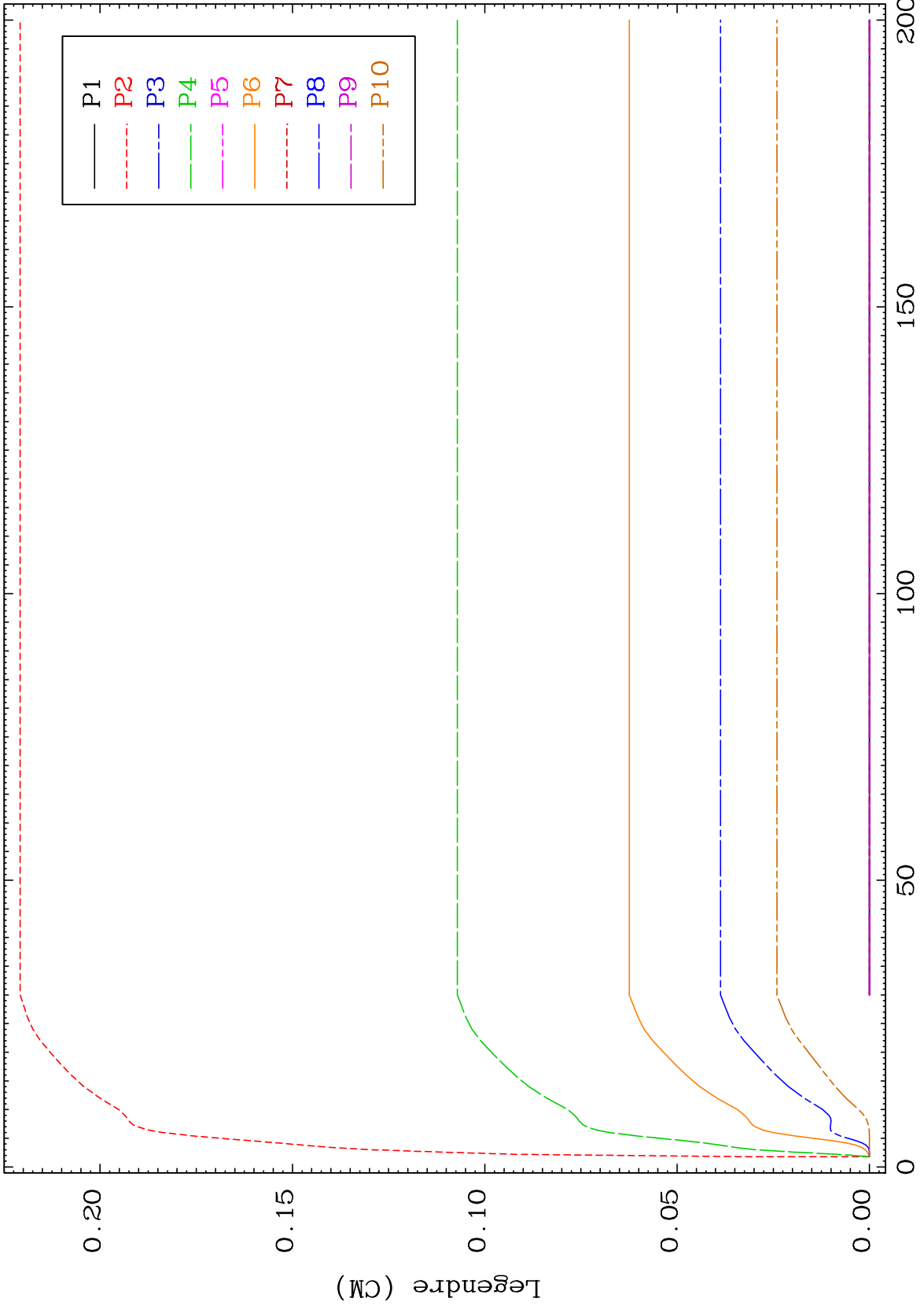
50-Sn-118



23

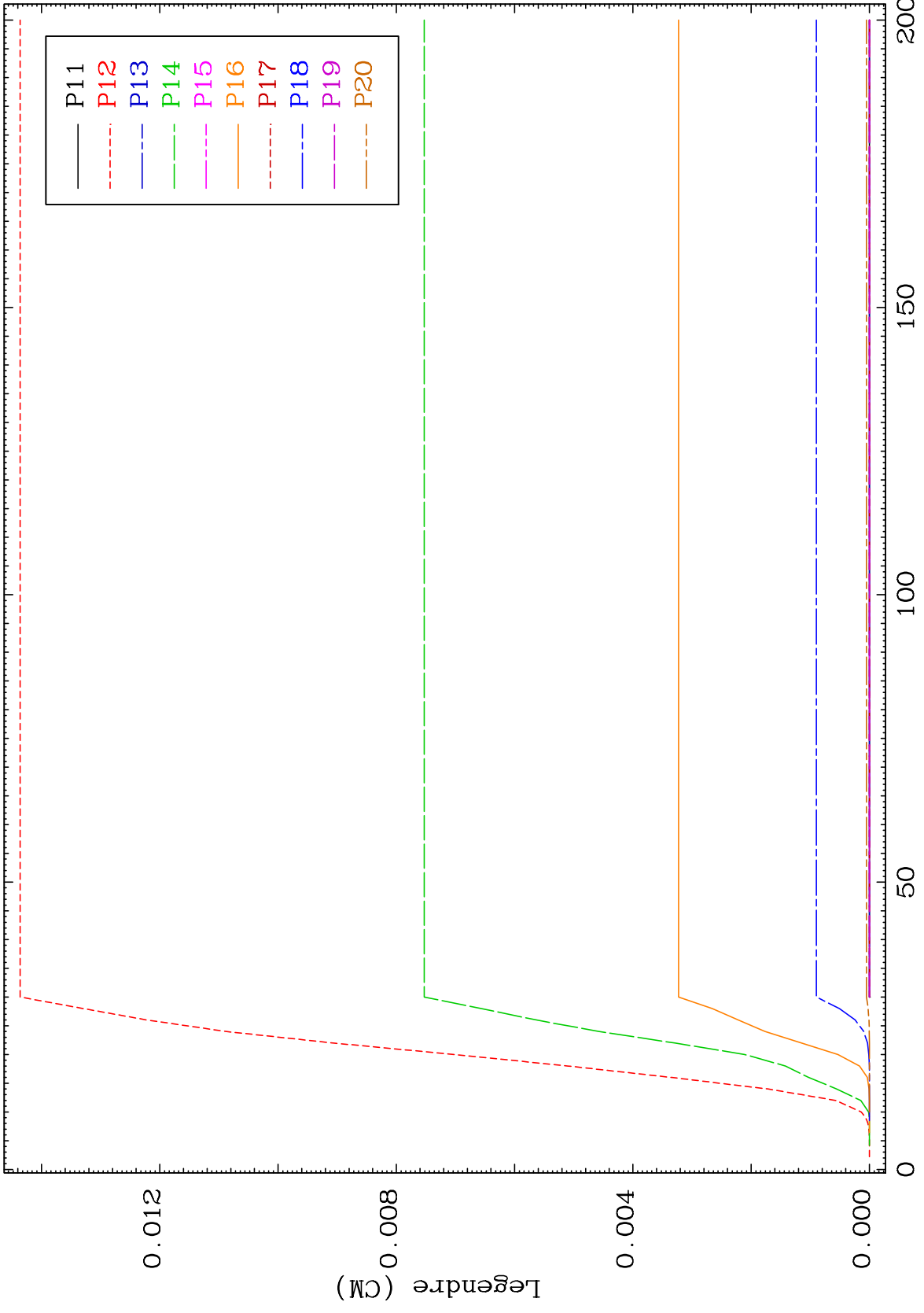
50-Sn-118

MAT 5043 MT= 52 (n,n') Level Legendre Coefficients 50-Sn-118



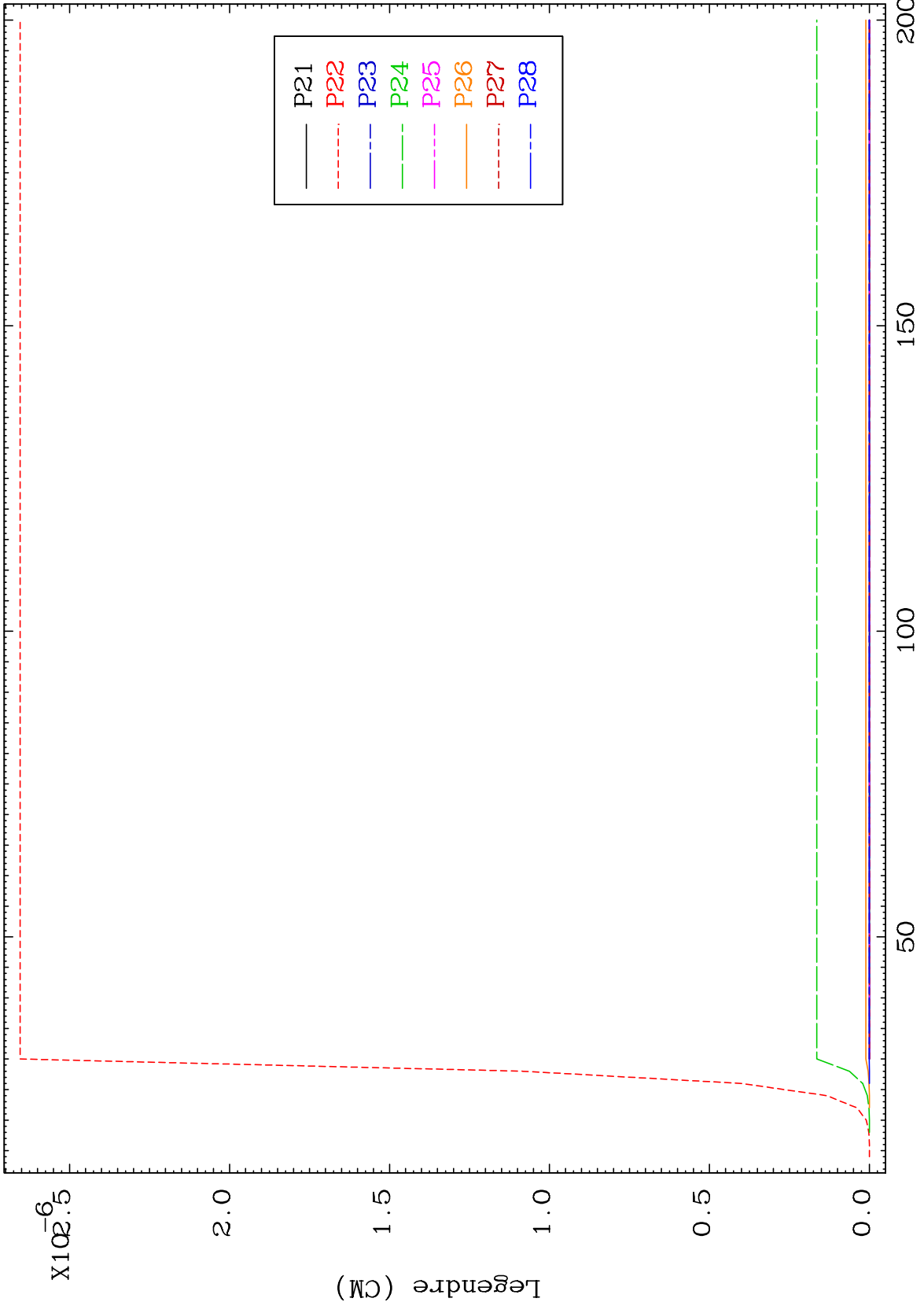
24 Incident Energy (MeV) 50-Sn-118

MAT 5043 MT= 52 (n,n') Level Legendre Coefficients 50-Sn-118



Legendre (CM) Incident Energy (MeV) 50-Sn-118

MAT 5043 MT= 52 (n,n') Level Legendre Coefficients 50-Sn-118

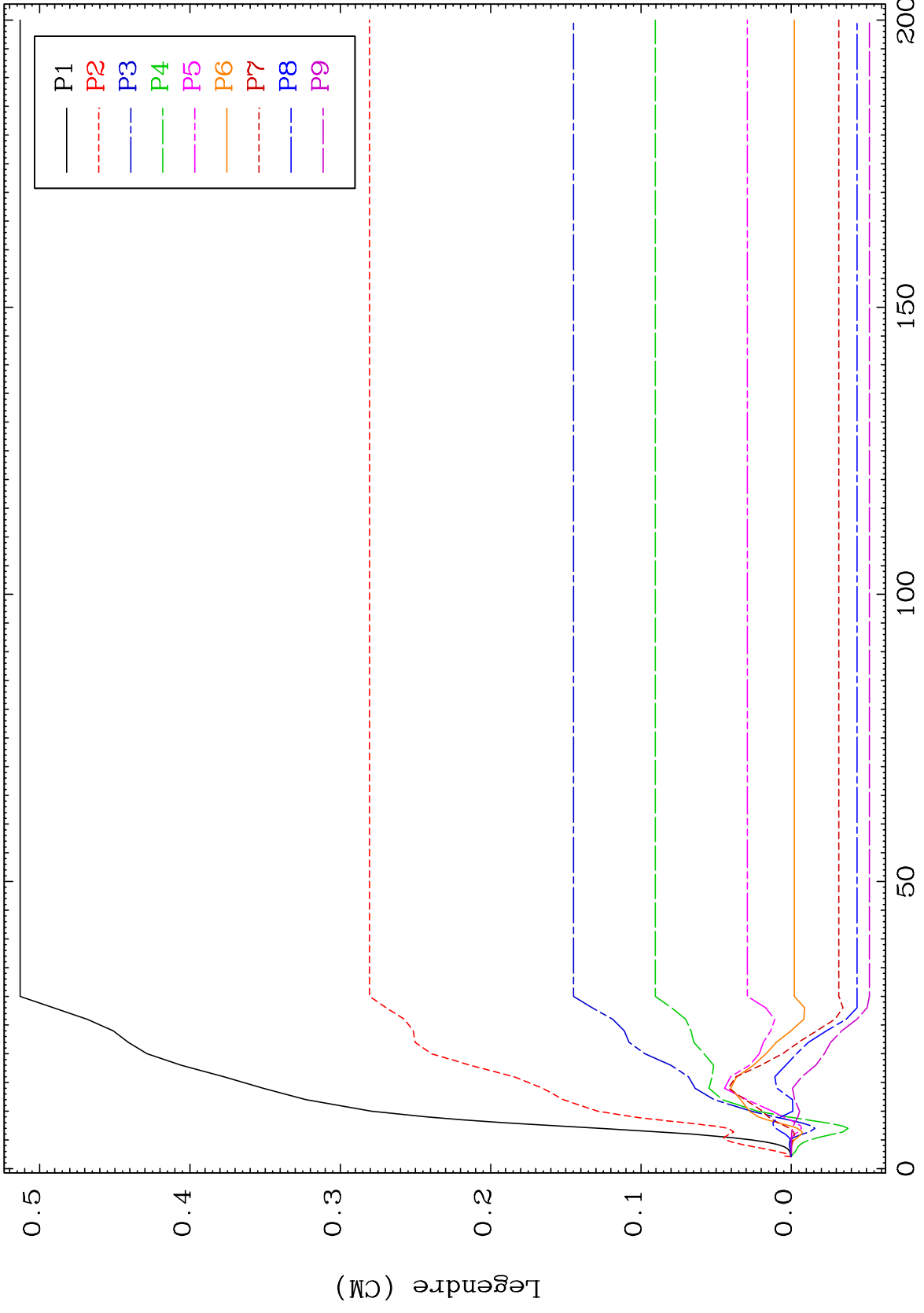


26 50-Sn-118

MAT 5043

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

50-Sn-118



27

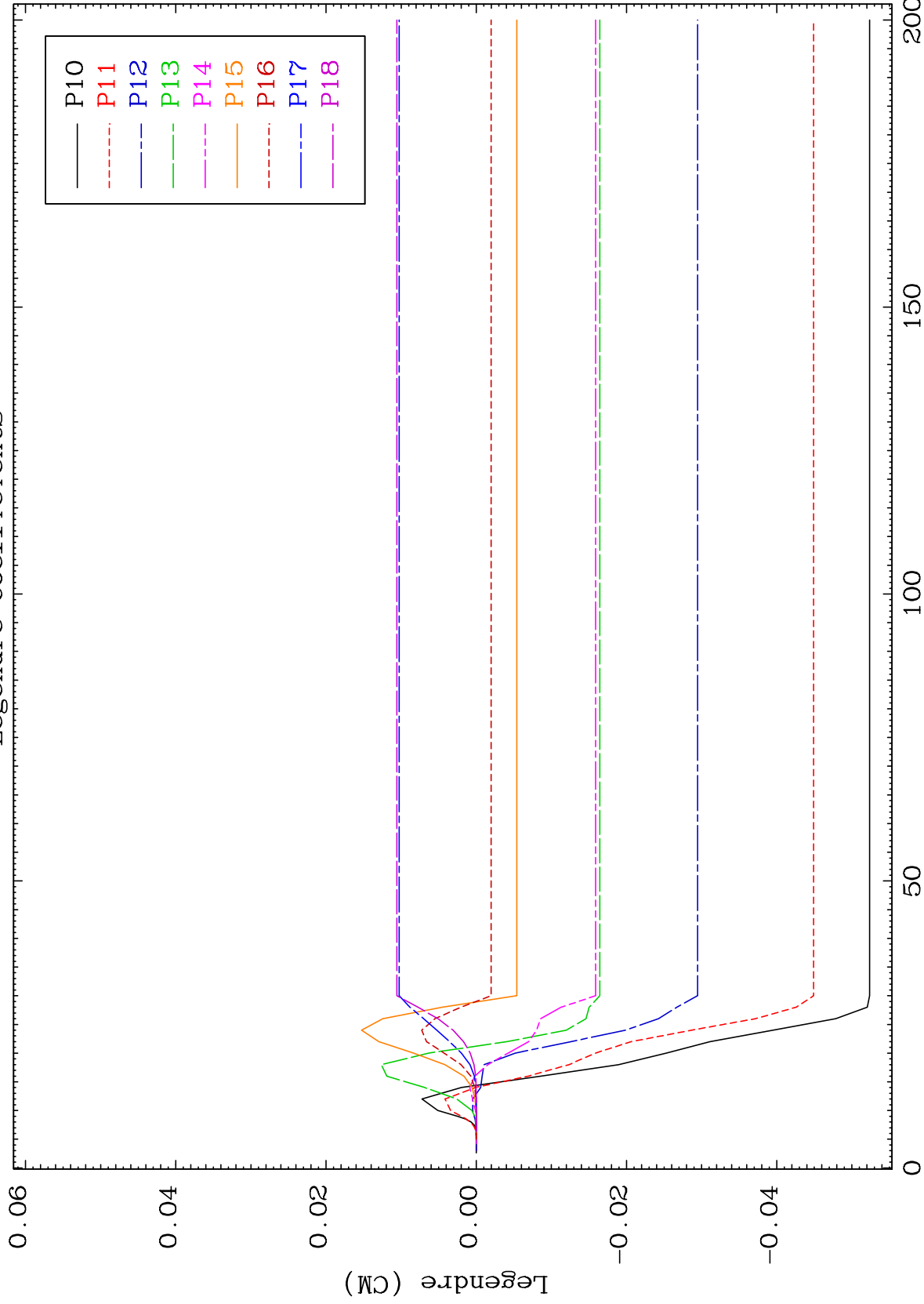
Incident Energy (MeV)

50-Sn-118

MAT 5043

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

50-Sn-118



28

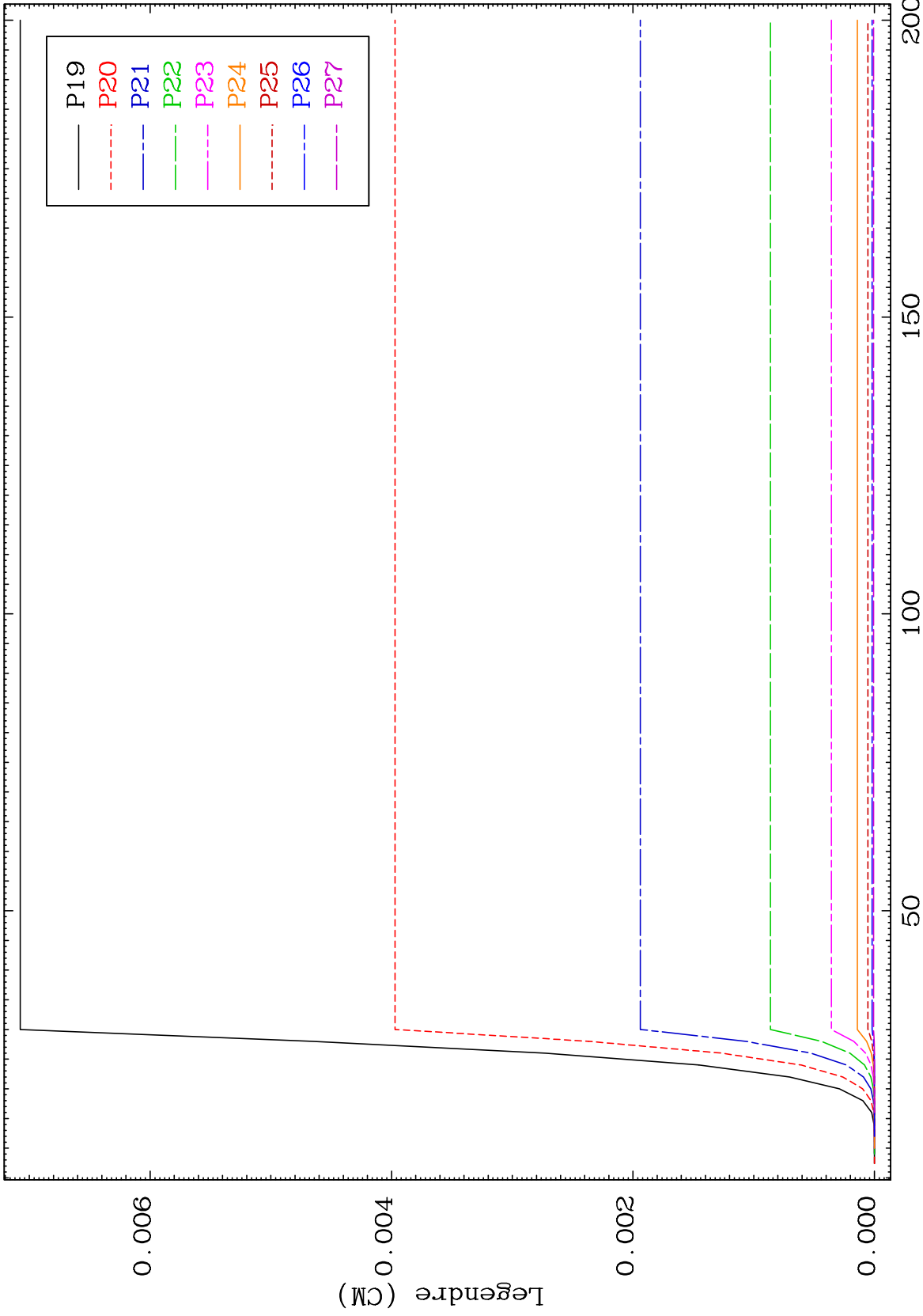
Incident Energy (MeV)

50-Sn-118

MAT 5043

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

50-Sn-118



29

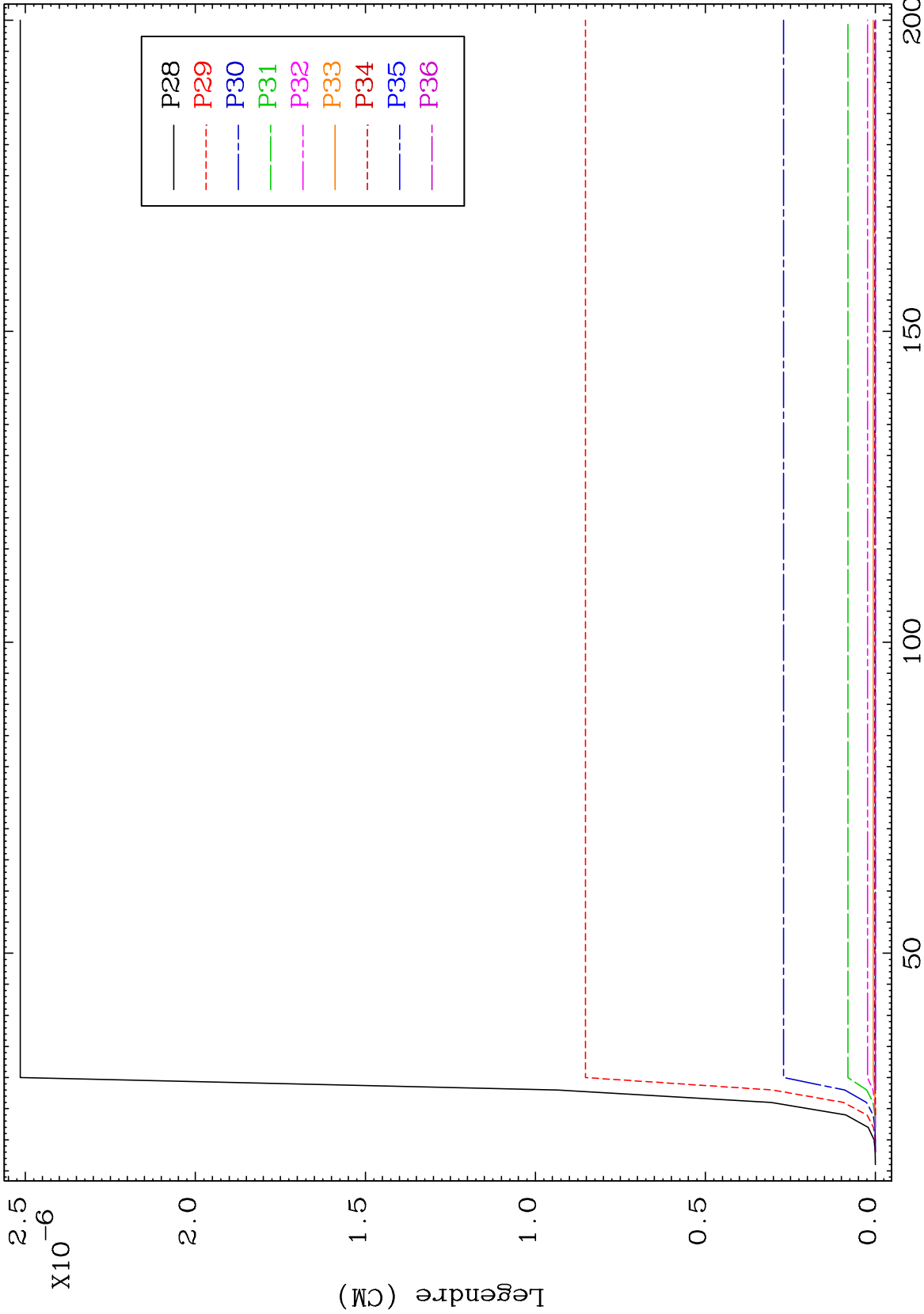
Incident Energy (MeV)

50-Sn-118

MAT 5043

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

50-Sn-118

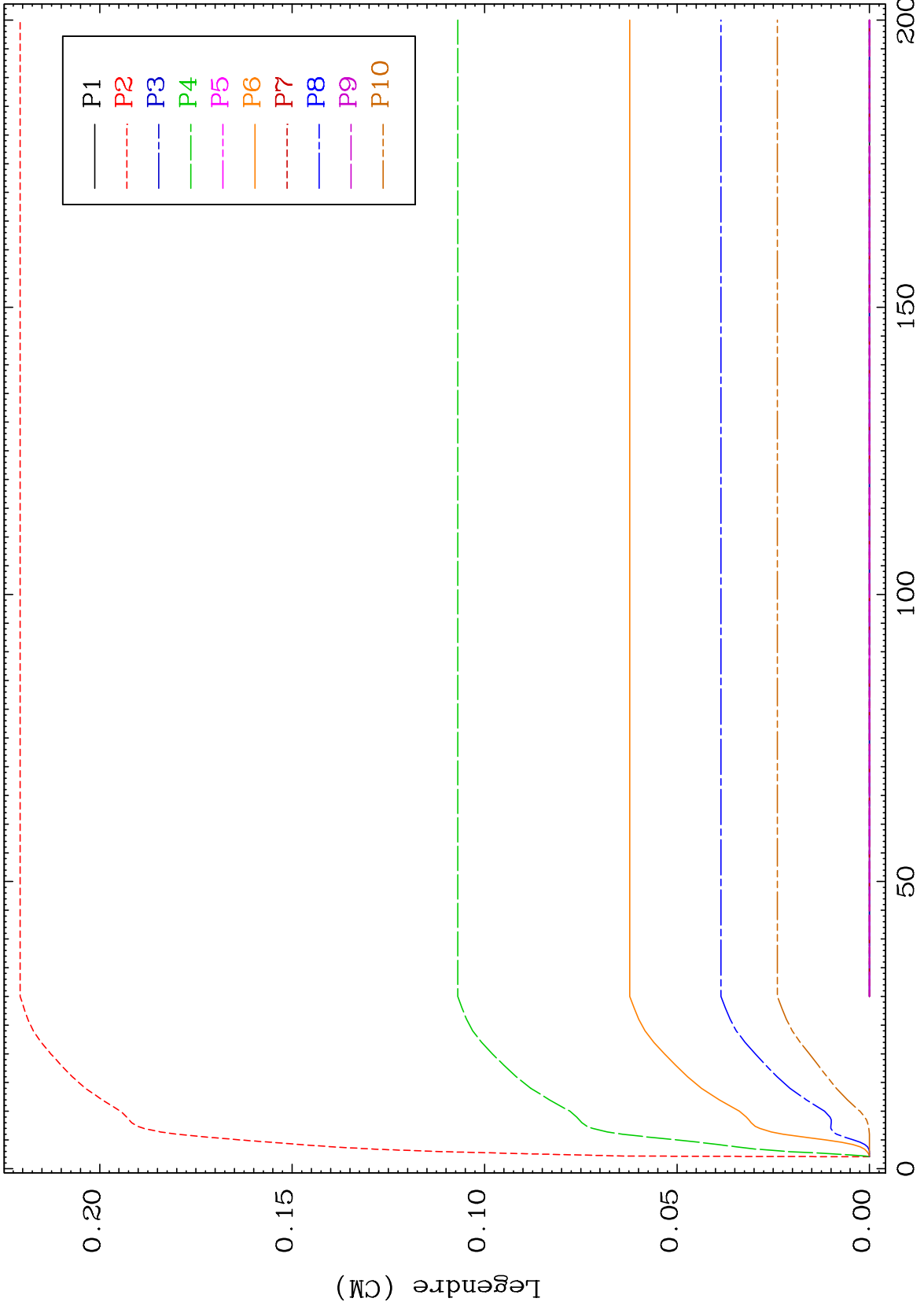


30

Incident Energy (MeV)

50-Sn-118

MAT 5043 MT= 54 (n,n') Level Legendre Coefficients 50-Sn-118

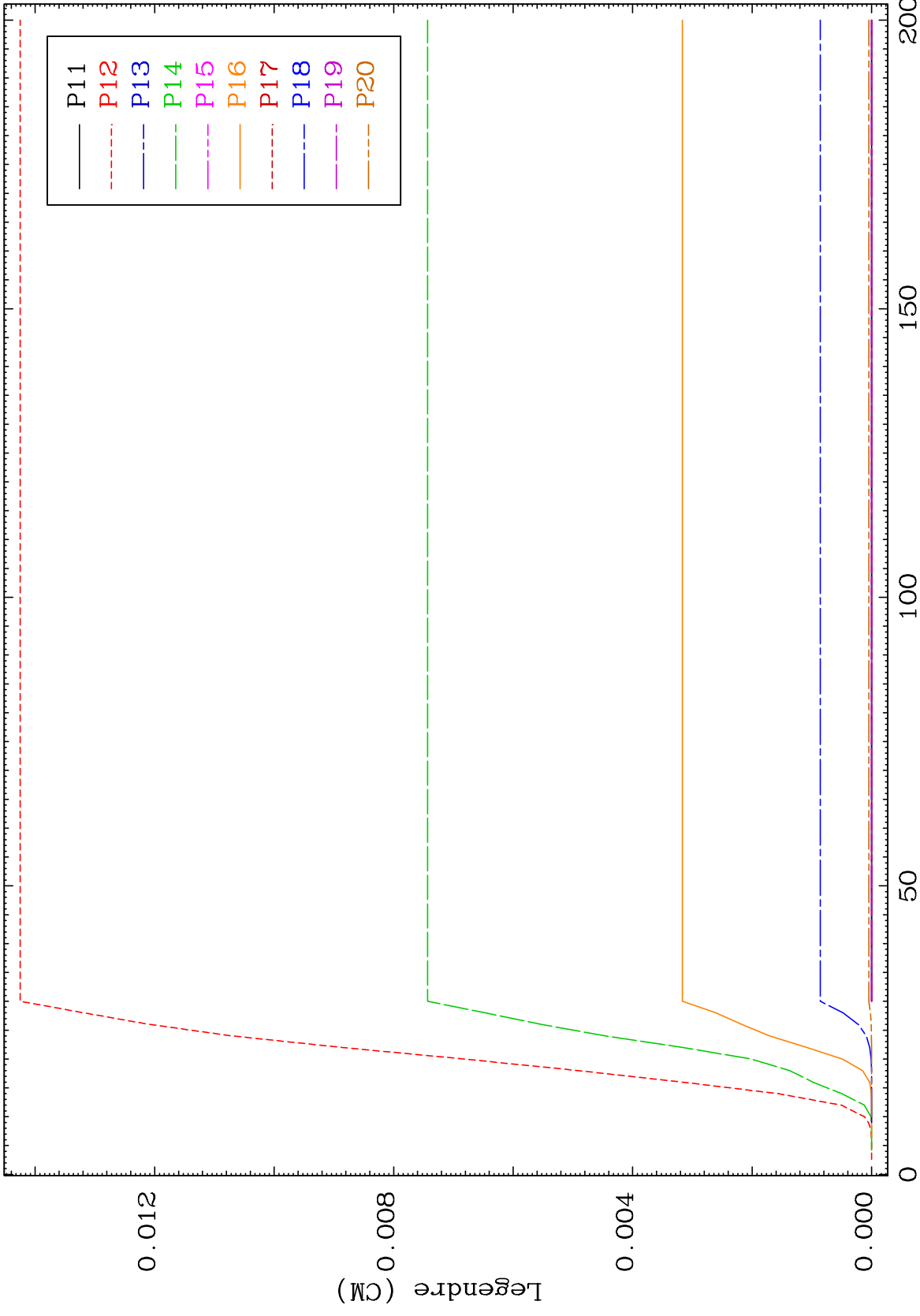


31 50-Sn-118

MAT 5043

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

50-Sn-118



50-Sn-118

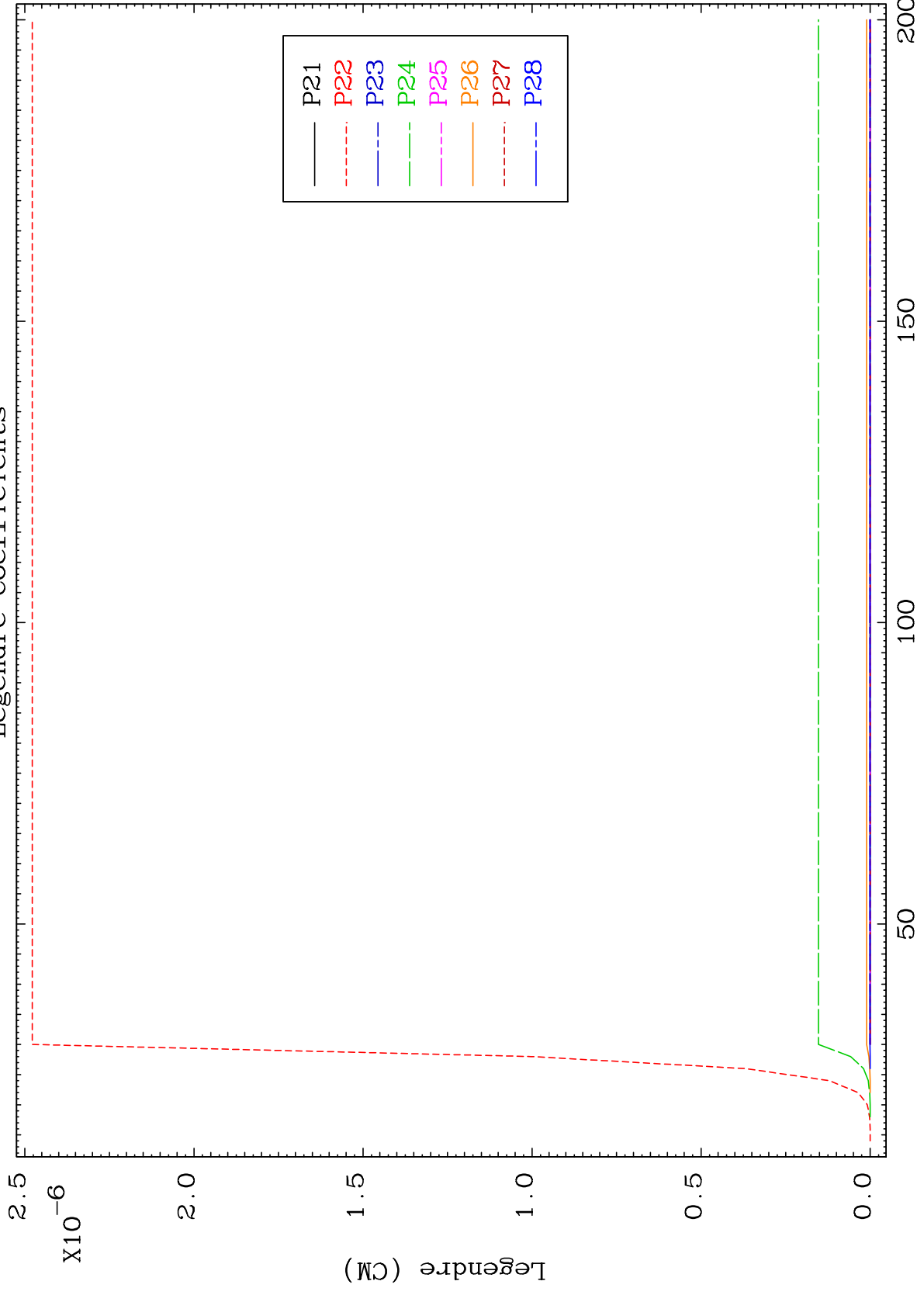
Incident Energy (MeV)

32

MAT 5043

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

50-Sn-118

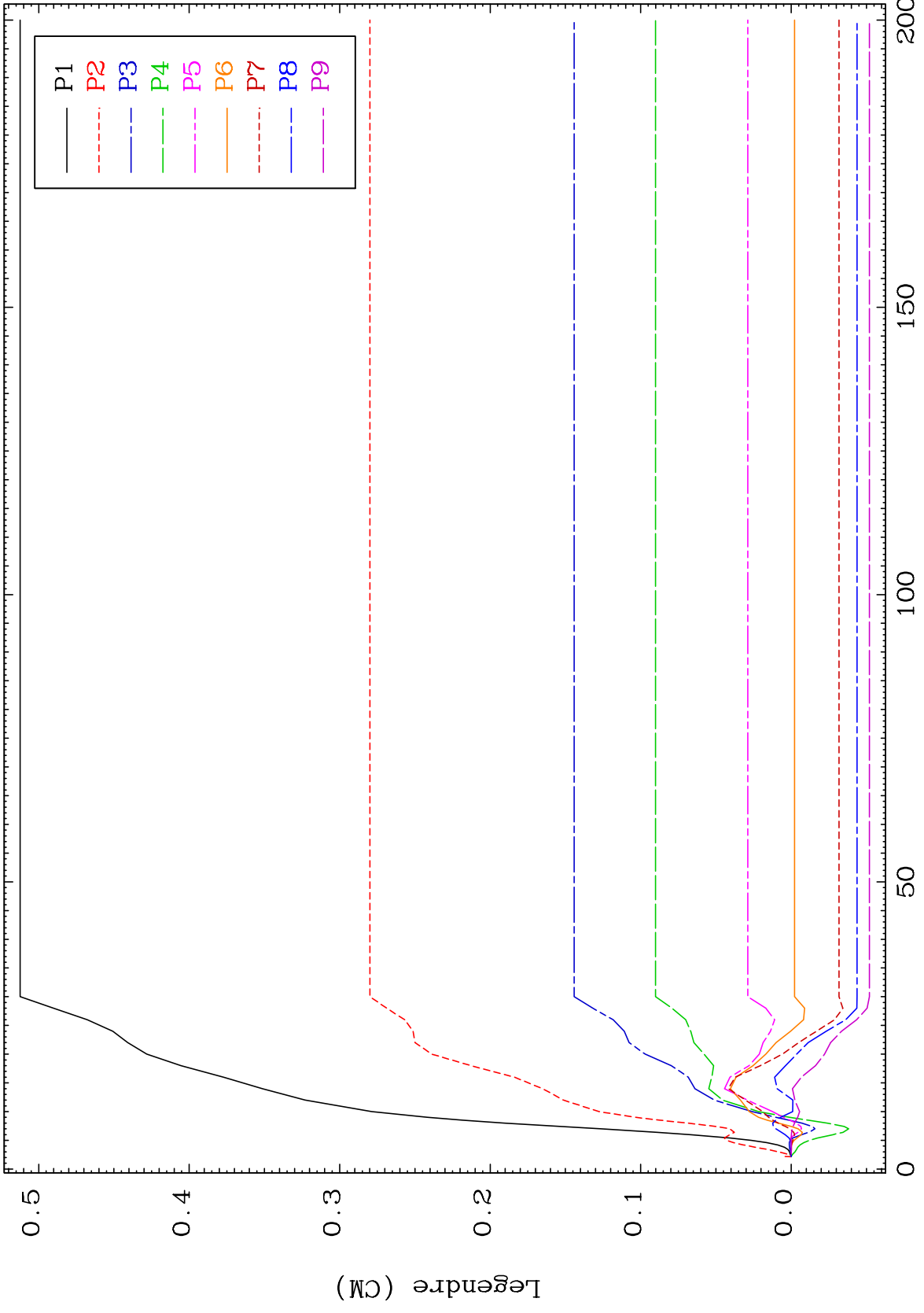


50-Sn-118

Incident Energy (MeV)

33

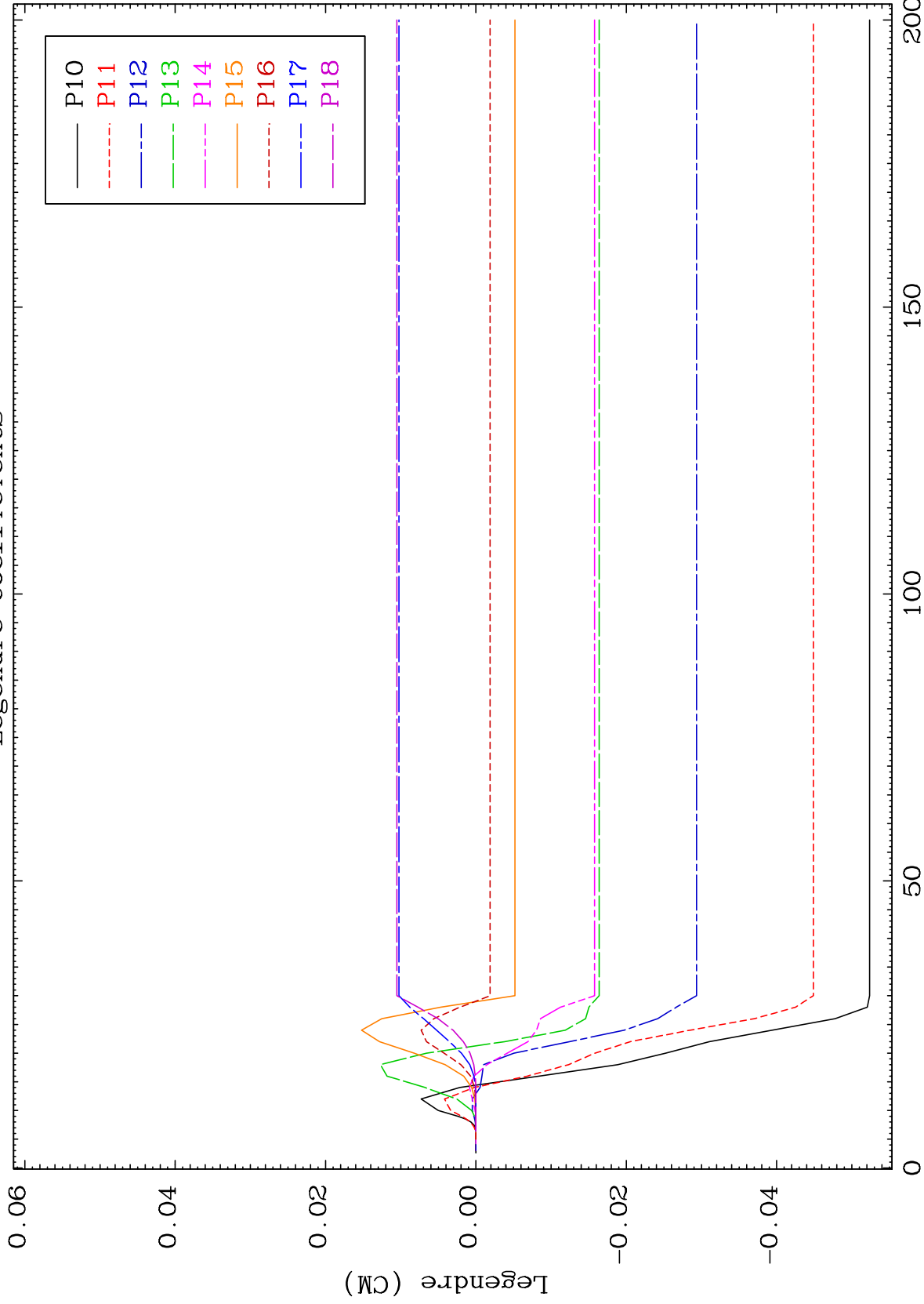
MAT 5043 MT= 55 (n,n') Level Legendre Coefficients 50-Sn-118



MAT 5043

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

50-Sn-118



35

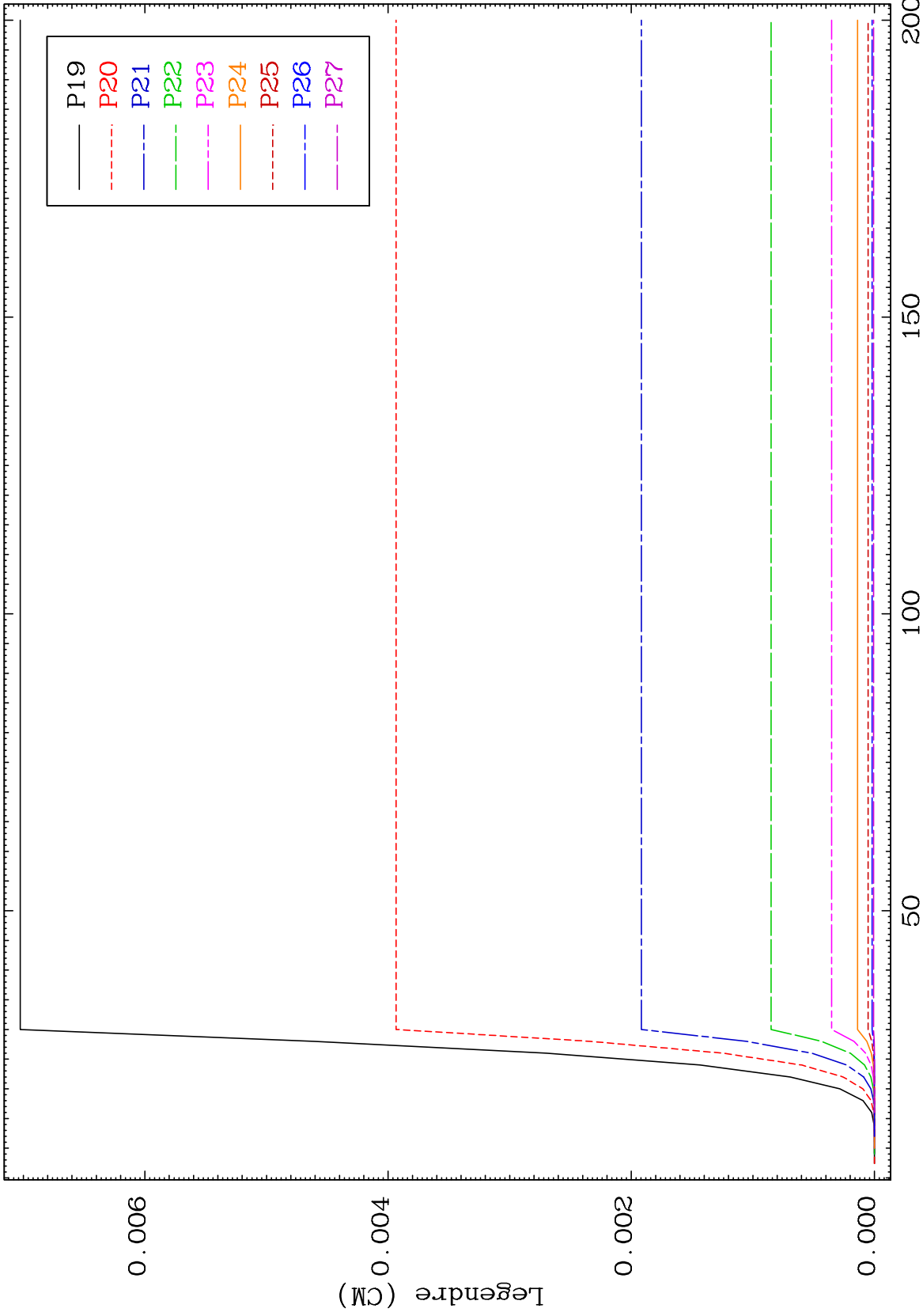
Incident Energy (MeV)

50-Sn-118

MAT 5043

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

50-Sn-118

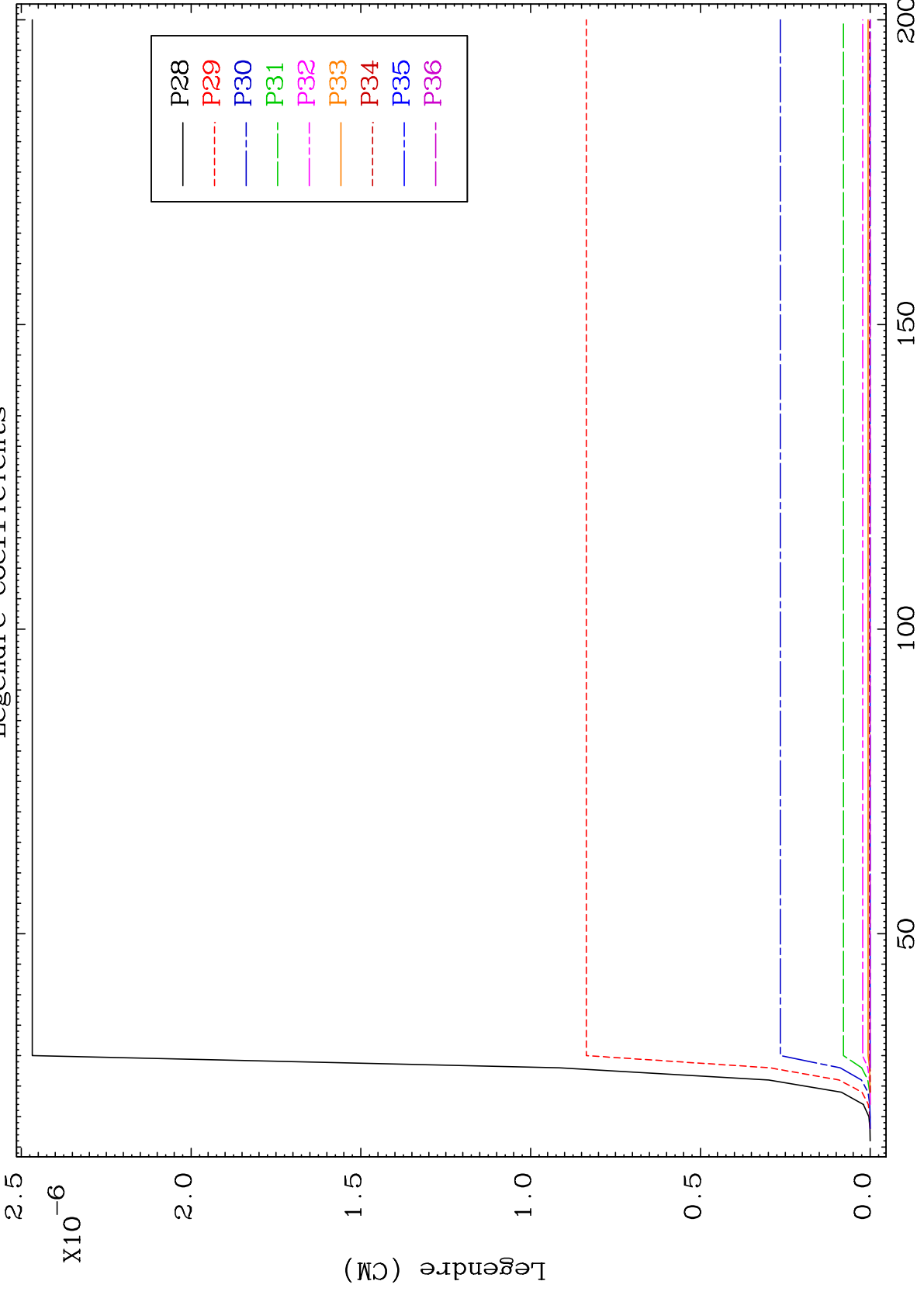


36

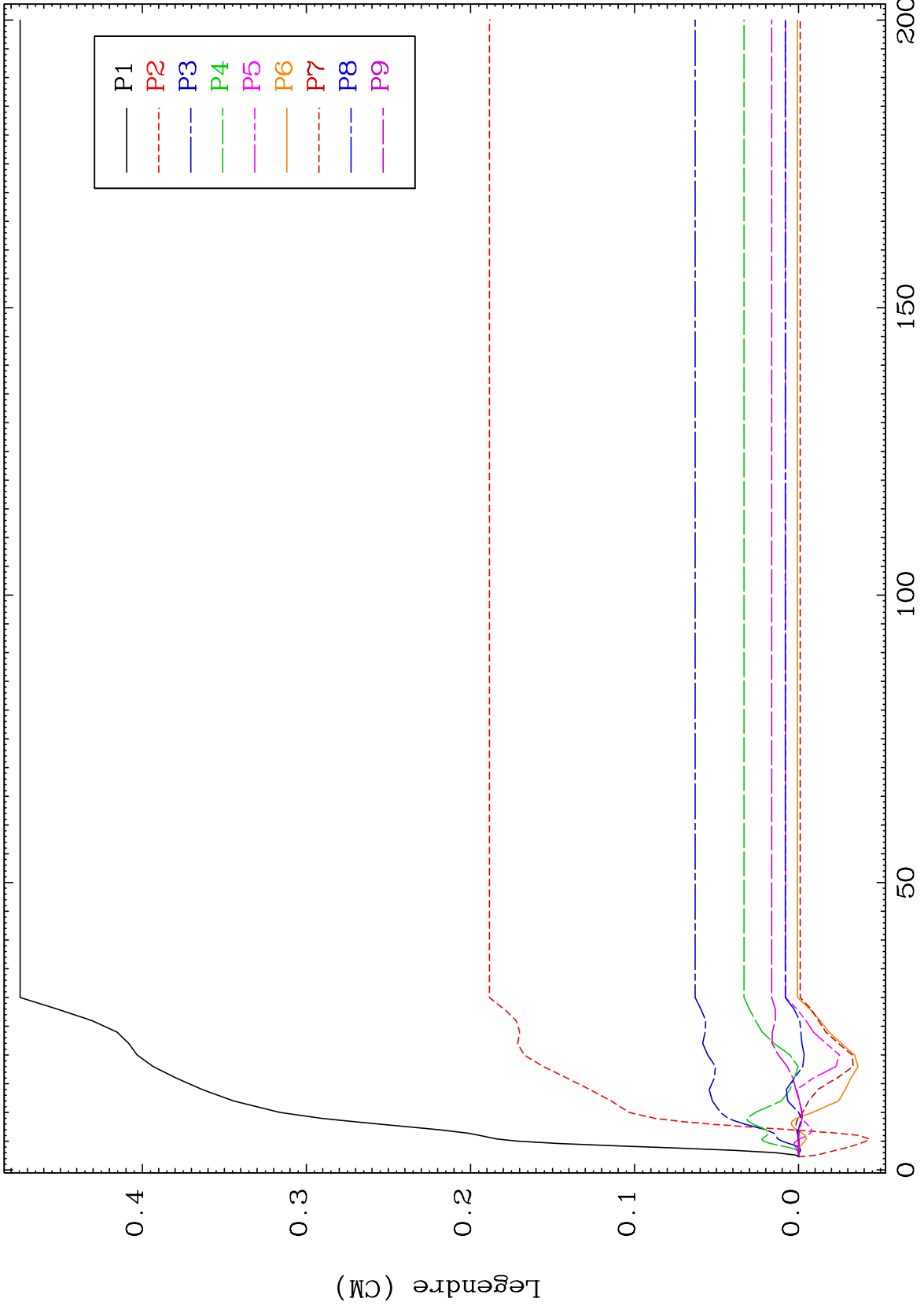
Incident Energy (MeV)

50-Sn-118

MAT 5043 MT= 55 (n,n') Level Legendre Coefficients 50-Sn-118



MAT 5043 MT= 56 (n,n') Level Legendre Coefficients 50-Sn-118

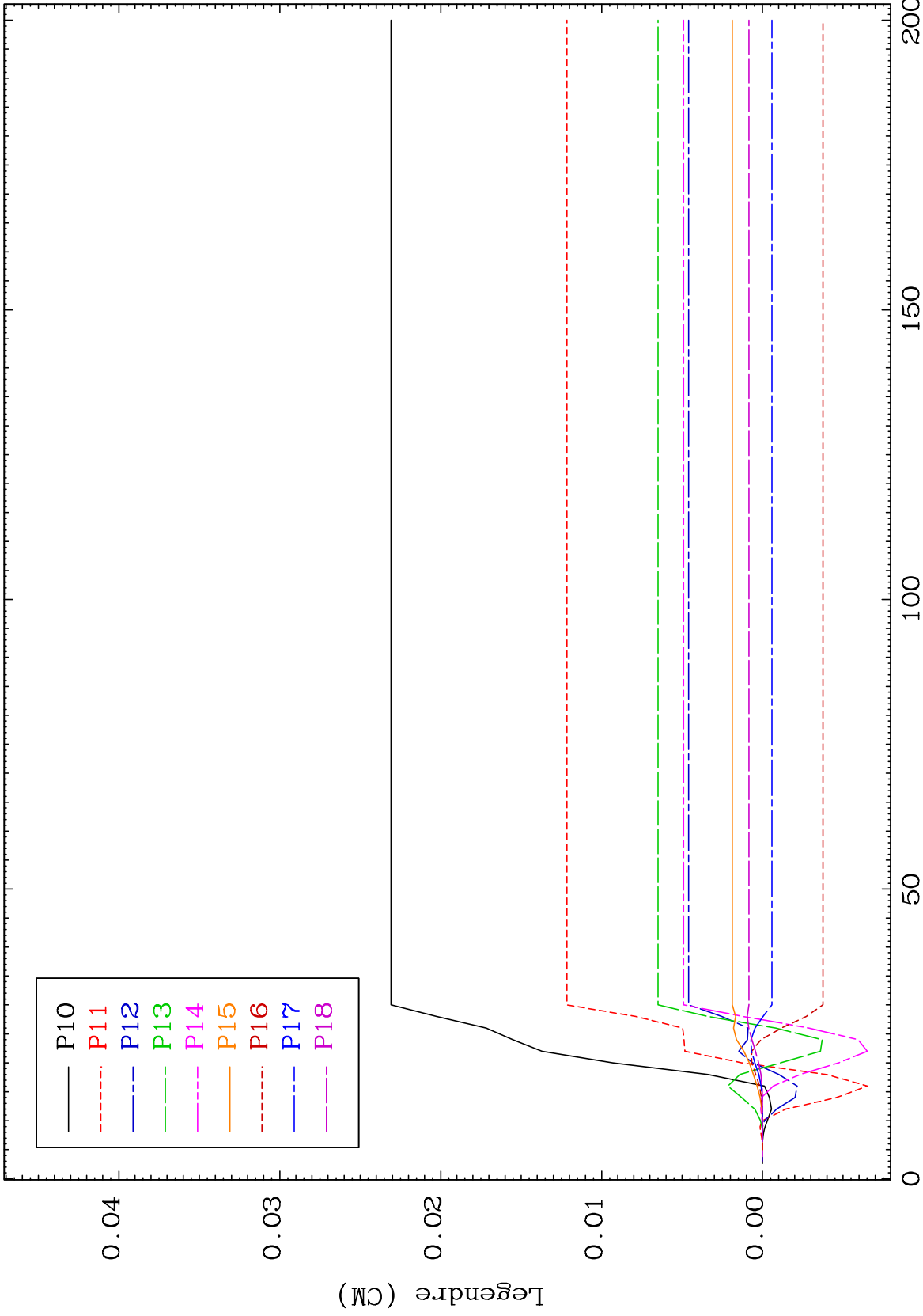


38 Incident Energy (MeV) 50-Sn-118

MAT 5043

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

50-Sn-118



39

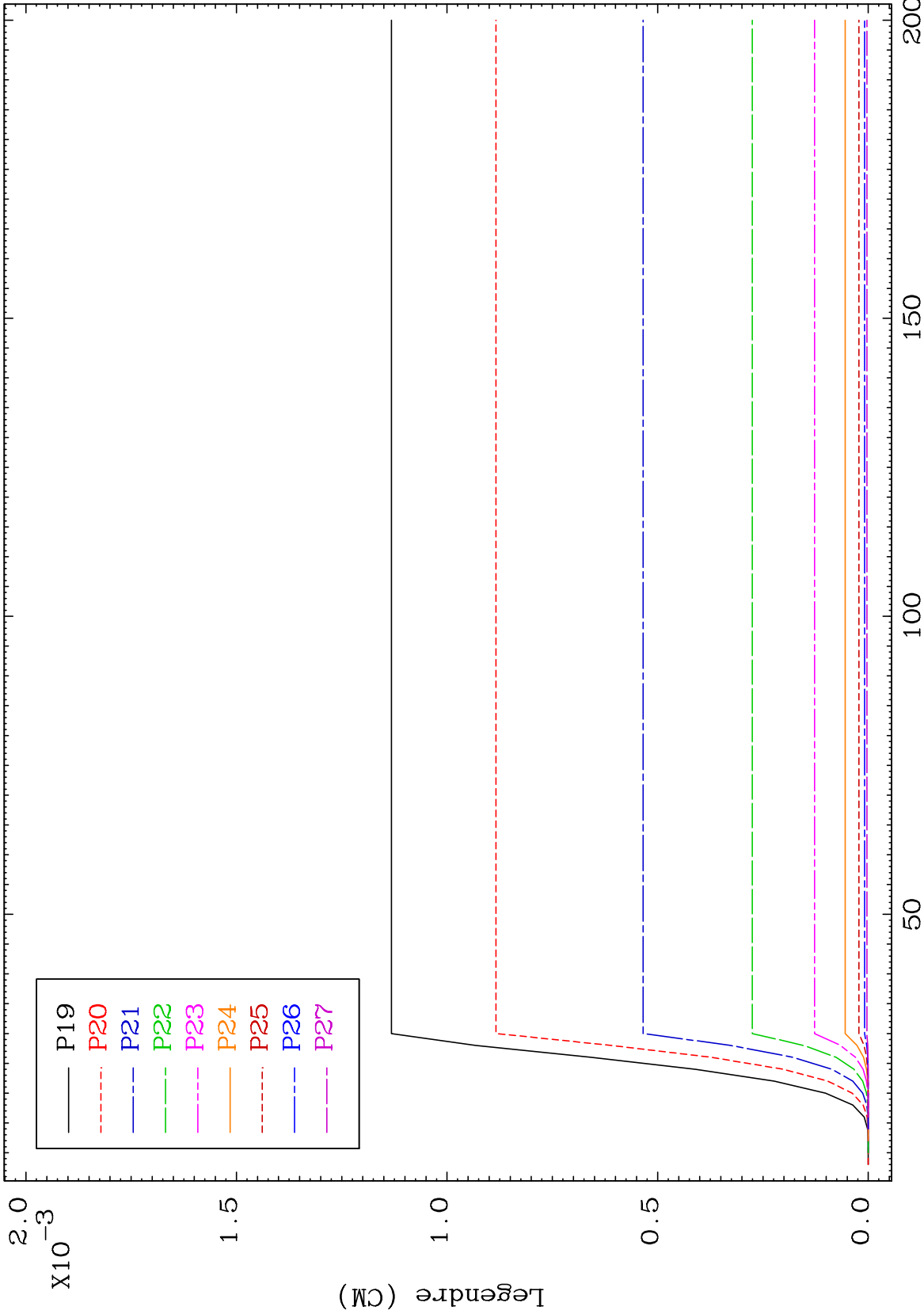
Incident Energy (MeV)

50-Sn-118

MAT 5043

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

50-Sn-118



40

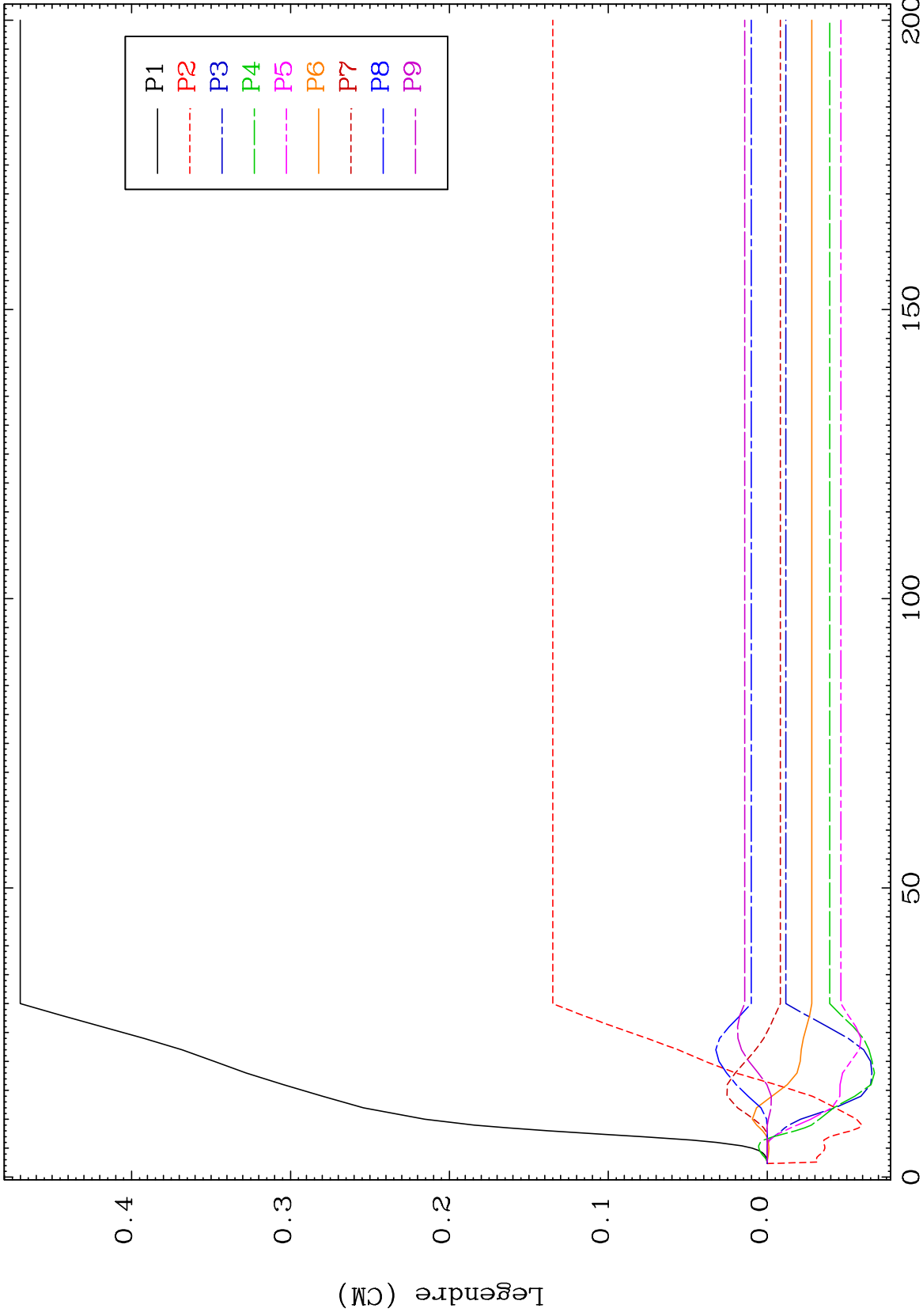
Incident Energy (MeV)

50-Sn-118

MAT 5043

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

50-Sn-118



42

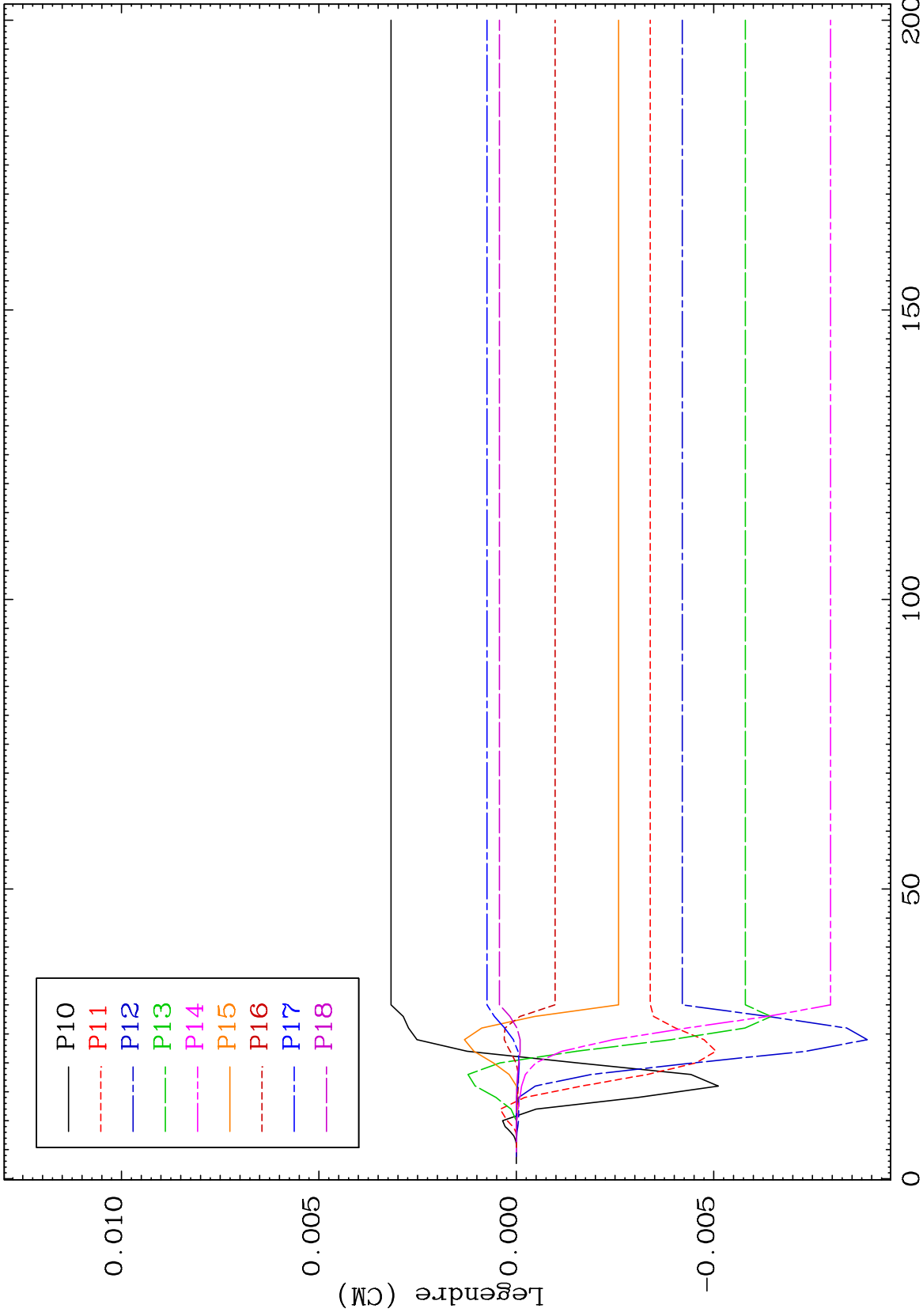
Incident Energy (MeV)

50-Sn-118

MAT 5043

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

50-Sn-118



43

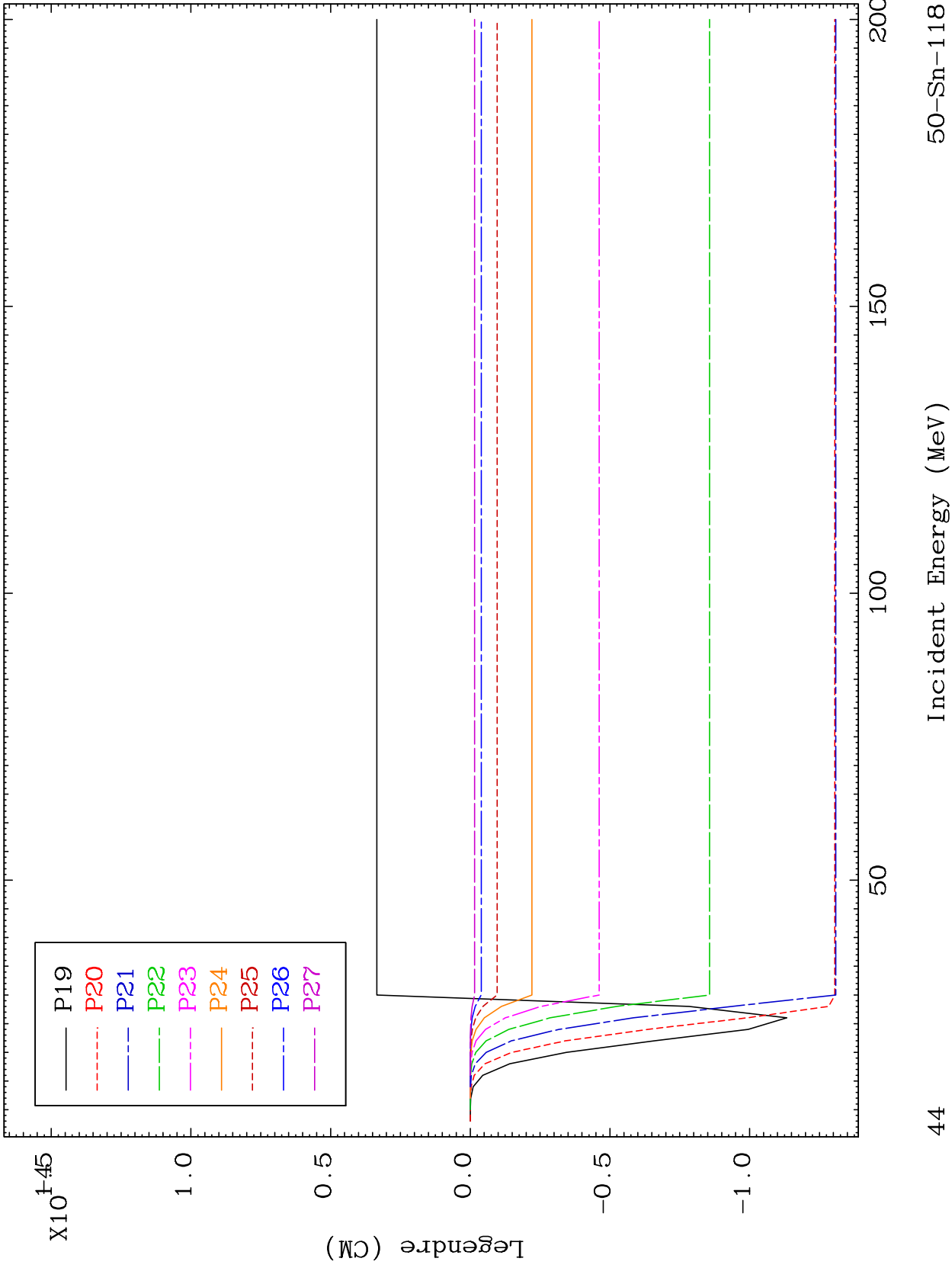
Incident Energy (MeV)

50-Sn-118

MAT 5043

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

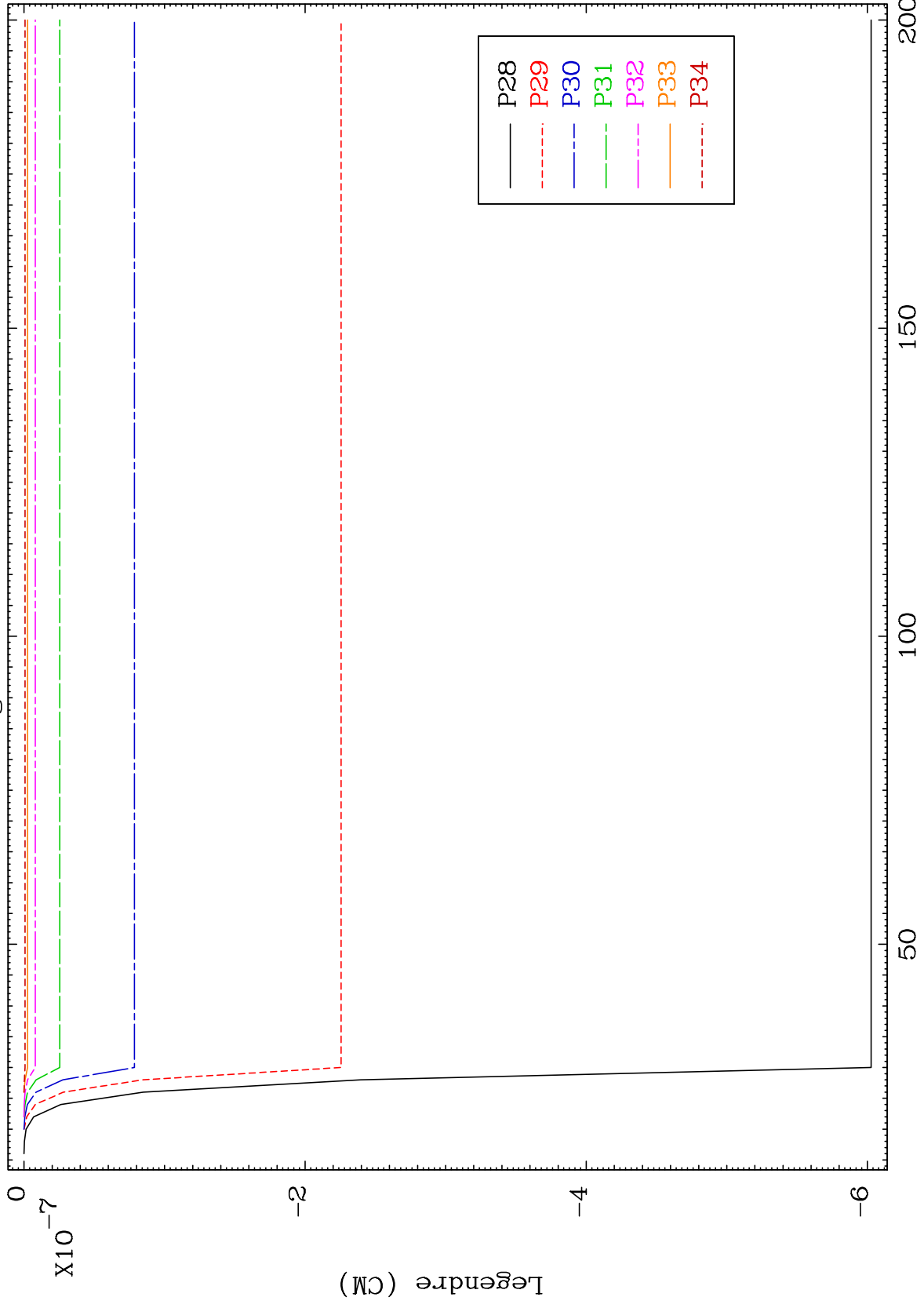
50-Sn-118



MAT 5043

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

50-Sn-118



50-Sn-118

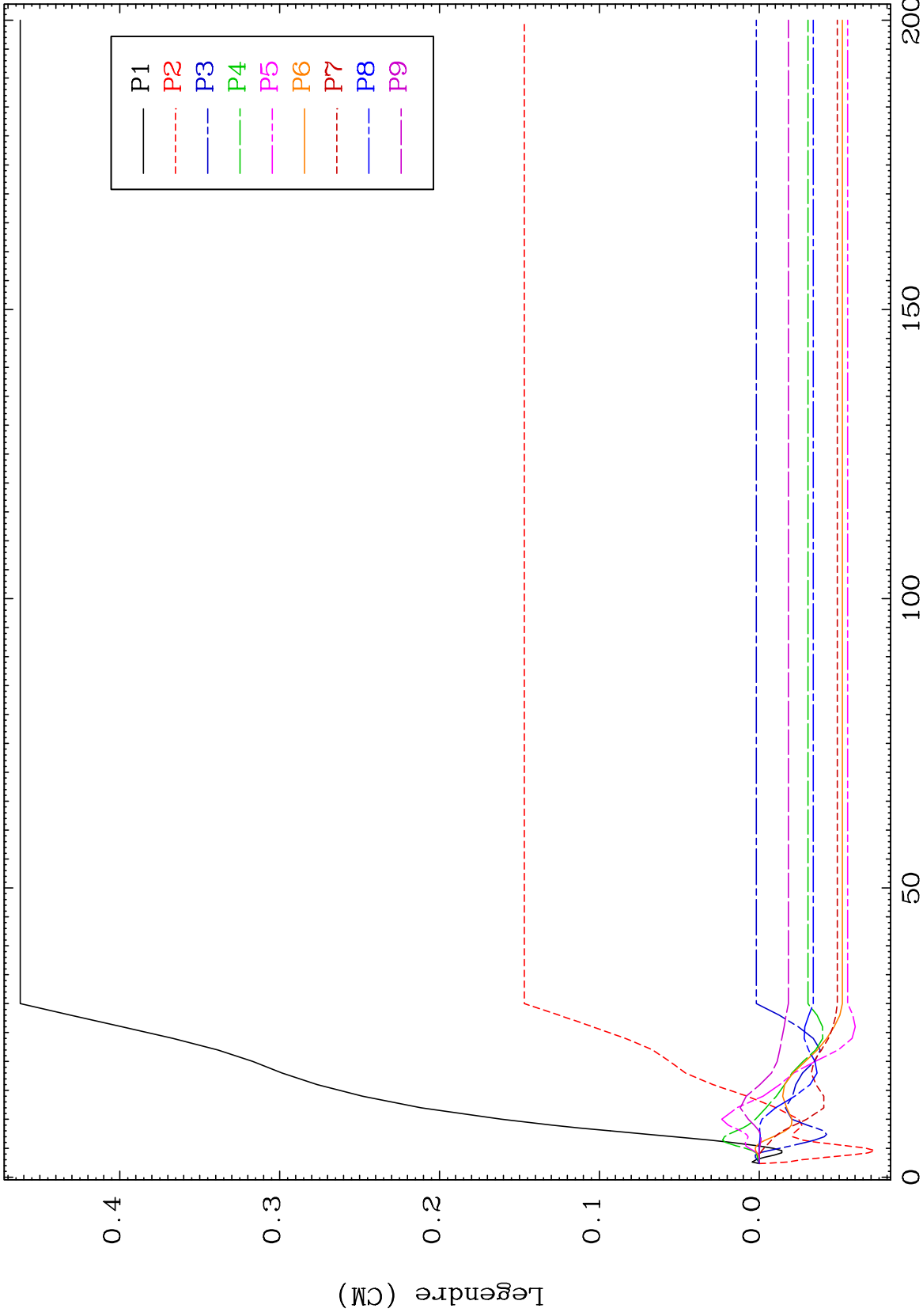
Incident Energy (MeV)

45

MAT 5043

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

50-Sn-118

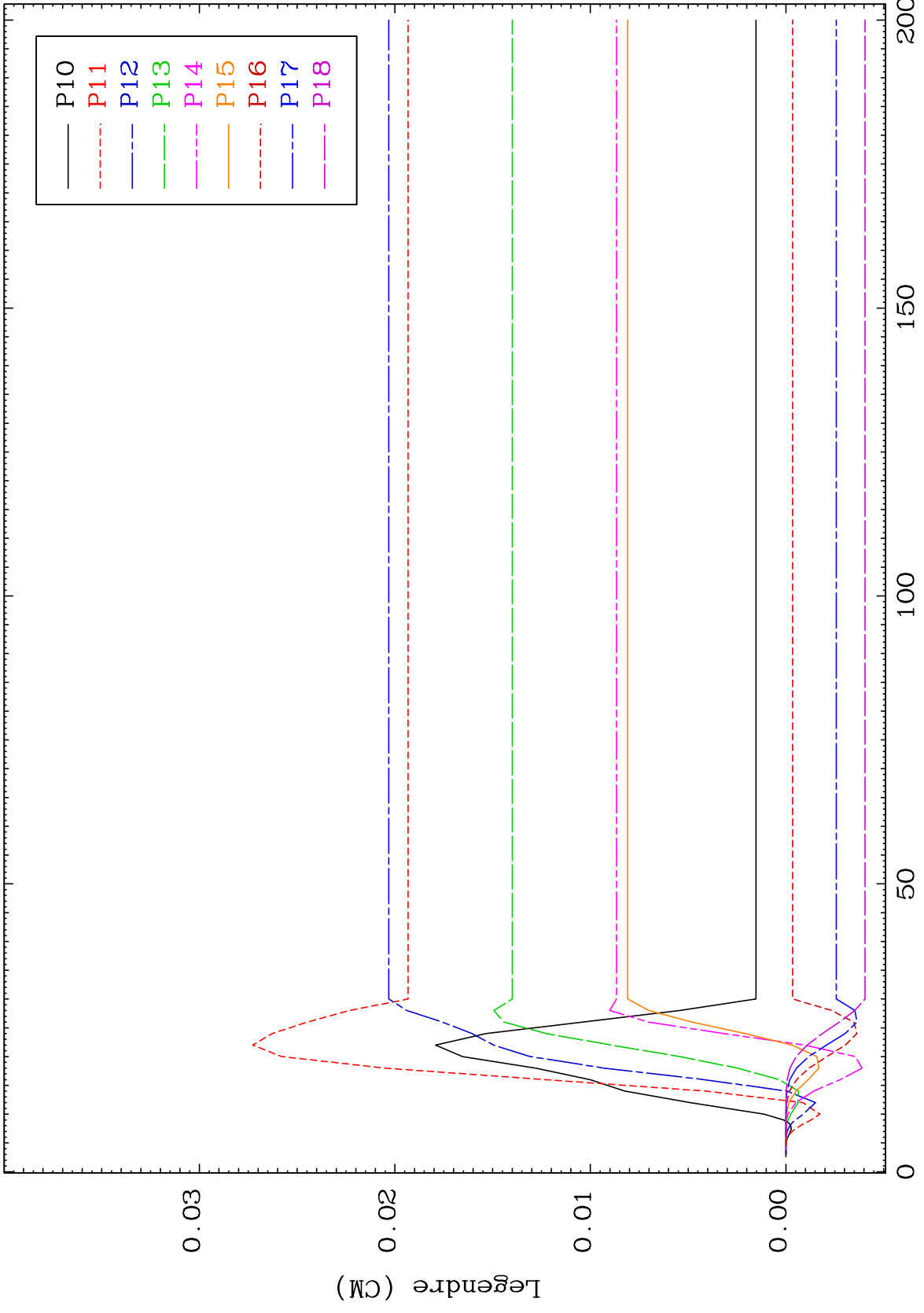


46

Incident Energy (MeV)

50-Sn-118

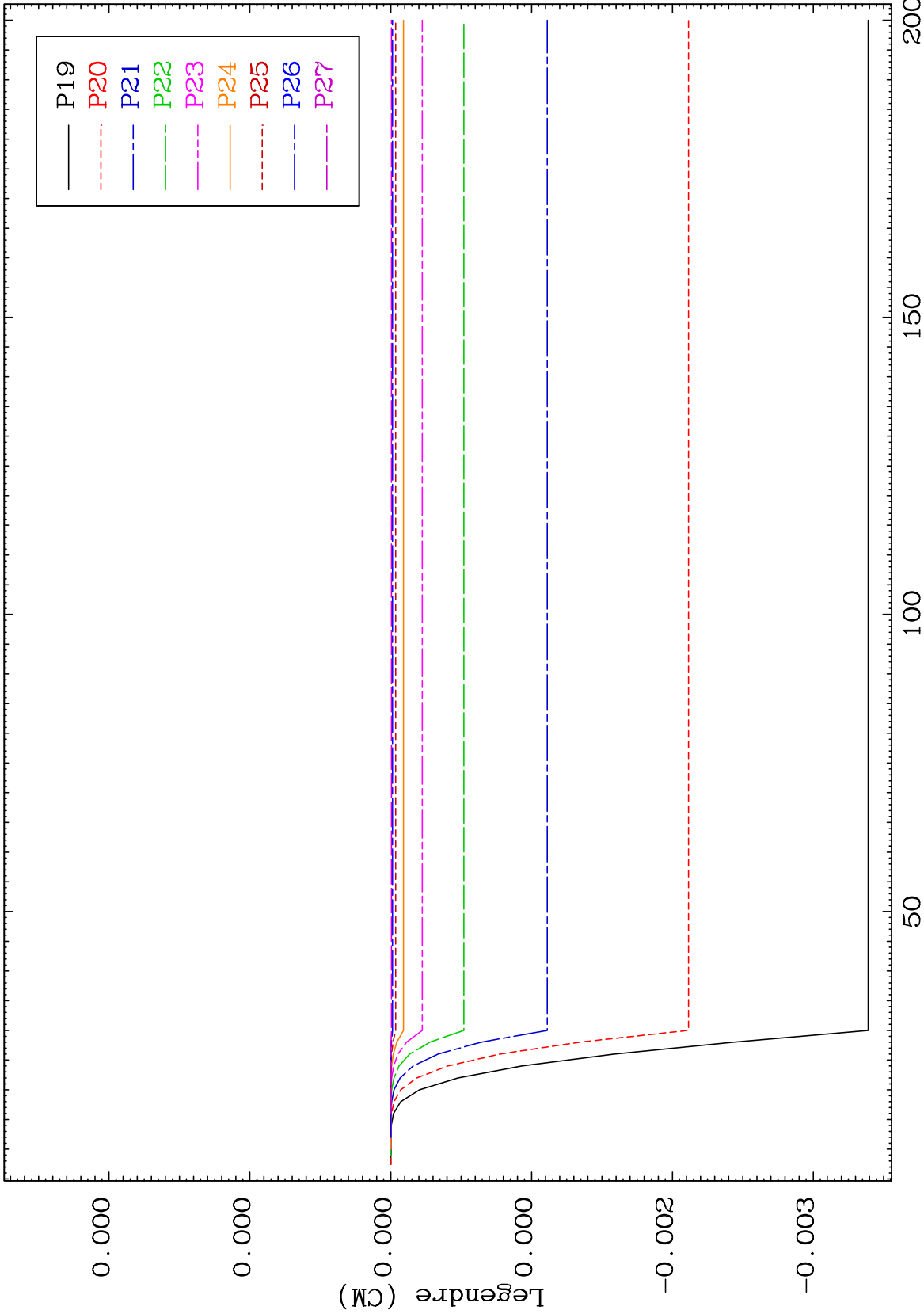
MAT 5043 MT= 58 (n,n') Level Legendre Coefficients 50-Sn-118



MAT 5043

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

50-Sn-118



48

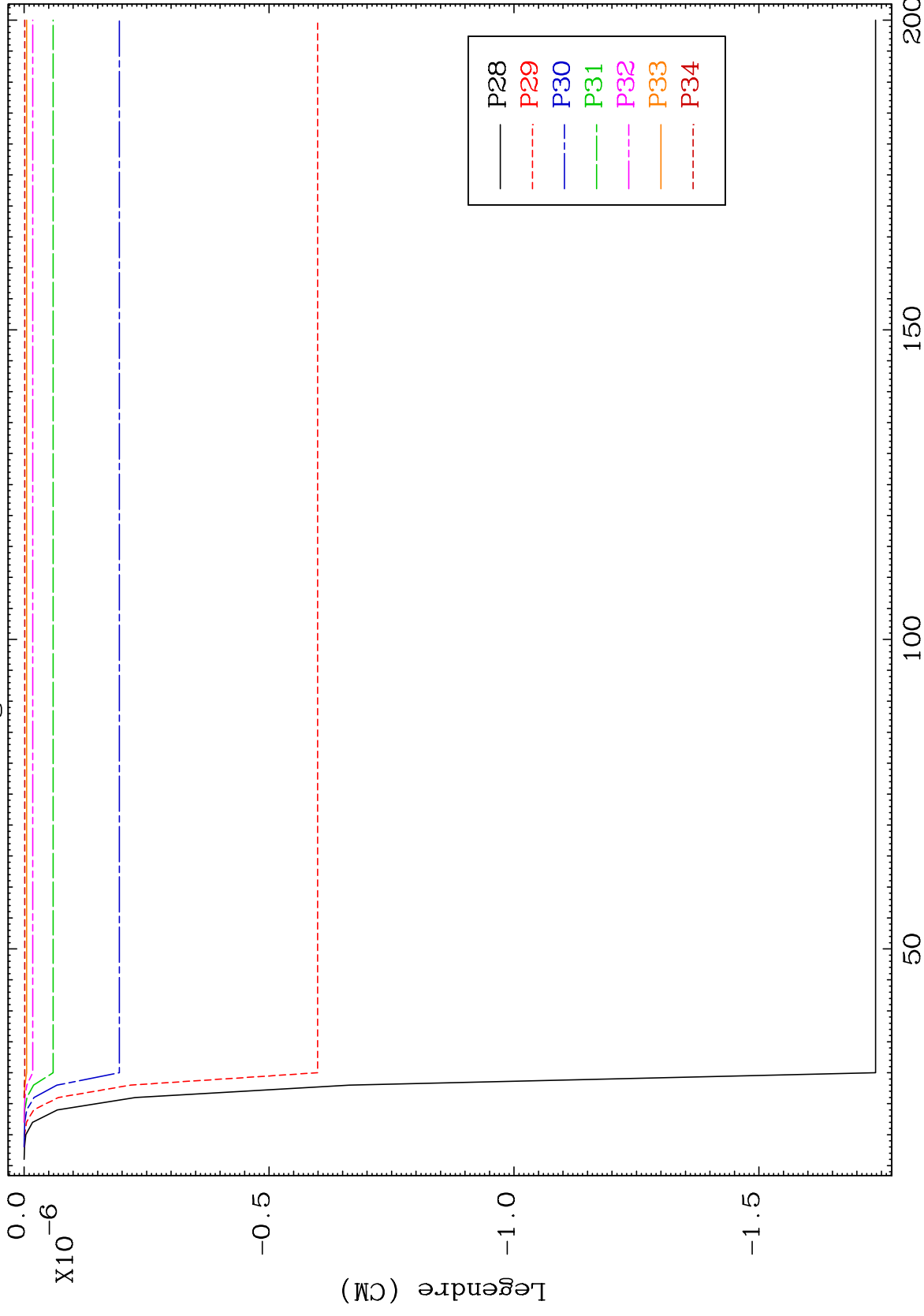
Incident Energy (MeV)

50-Sn-118

MAT 5043

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

50-Sn-118



50-Sn-118

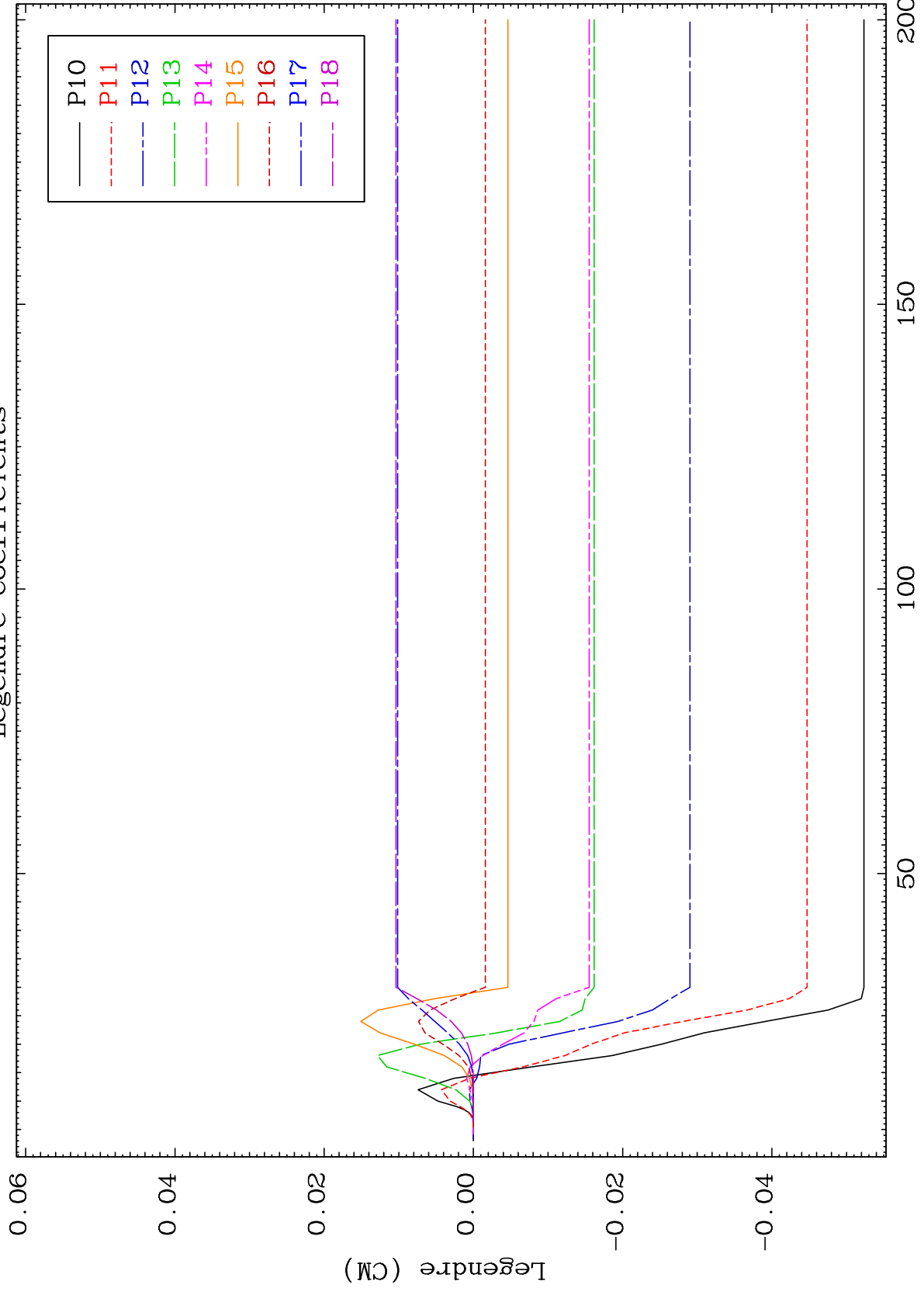
Incident Energy (MeV)

49

MAT 5043

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

50-Sn-118



51

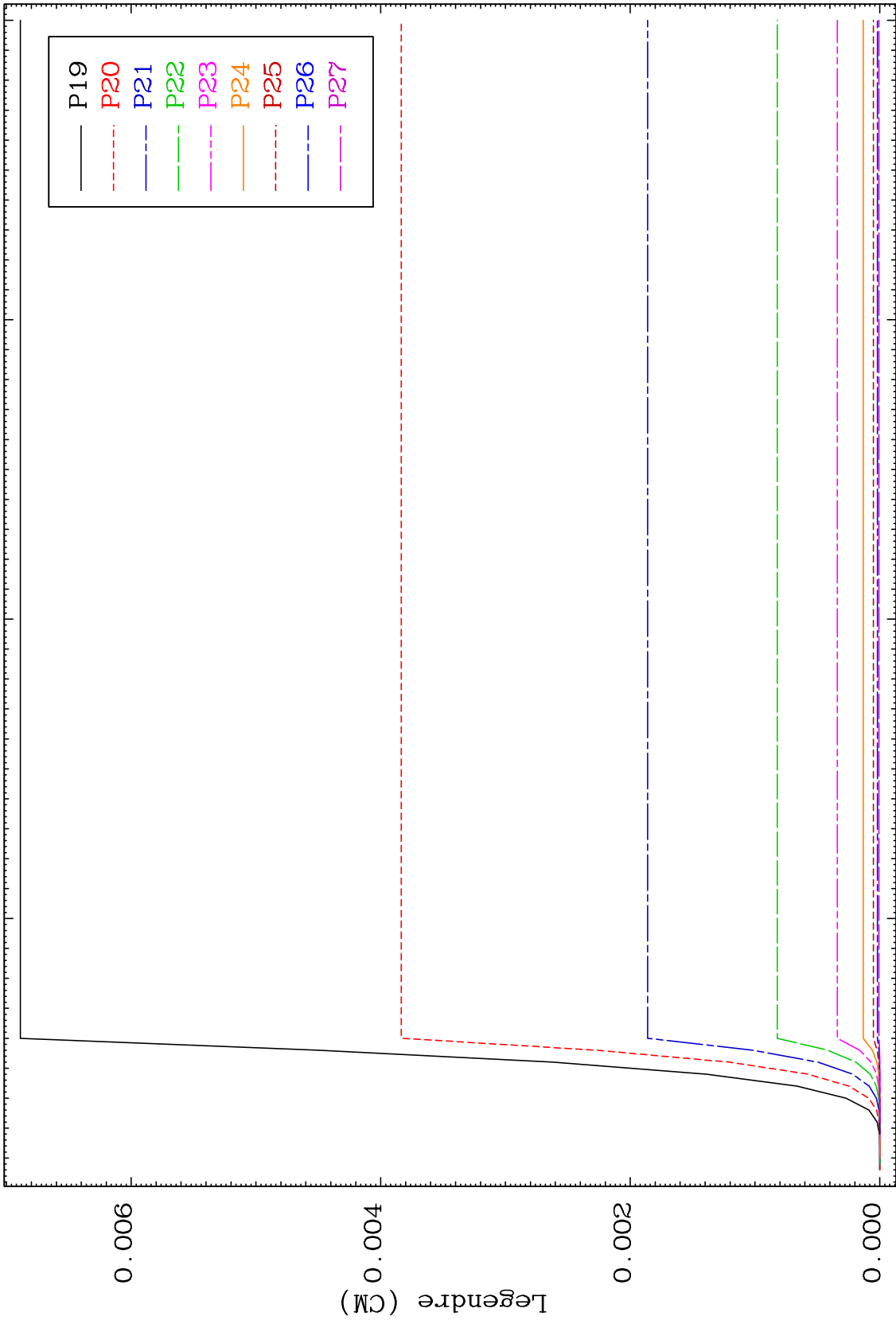
Incident Energy (MeV)

50-Sn-118

MAT 5043

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

50-Sn-118



52

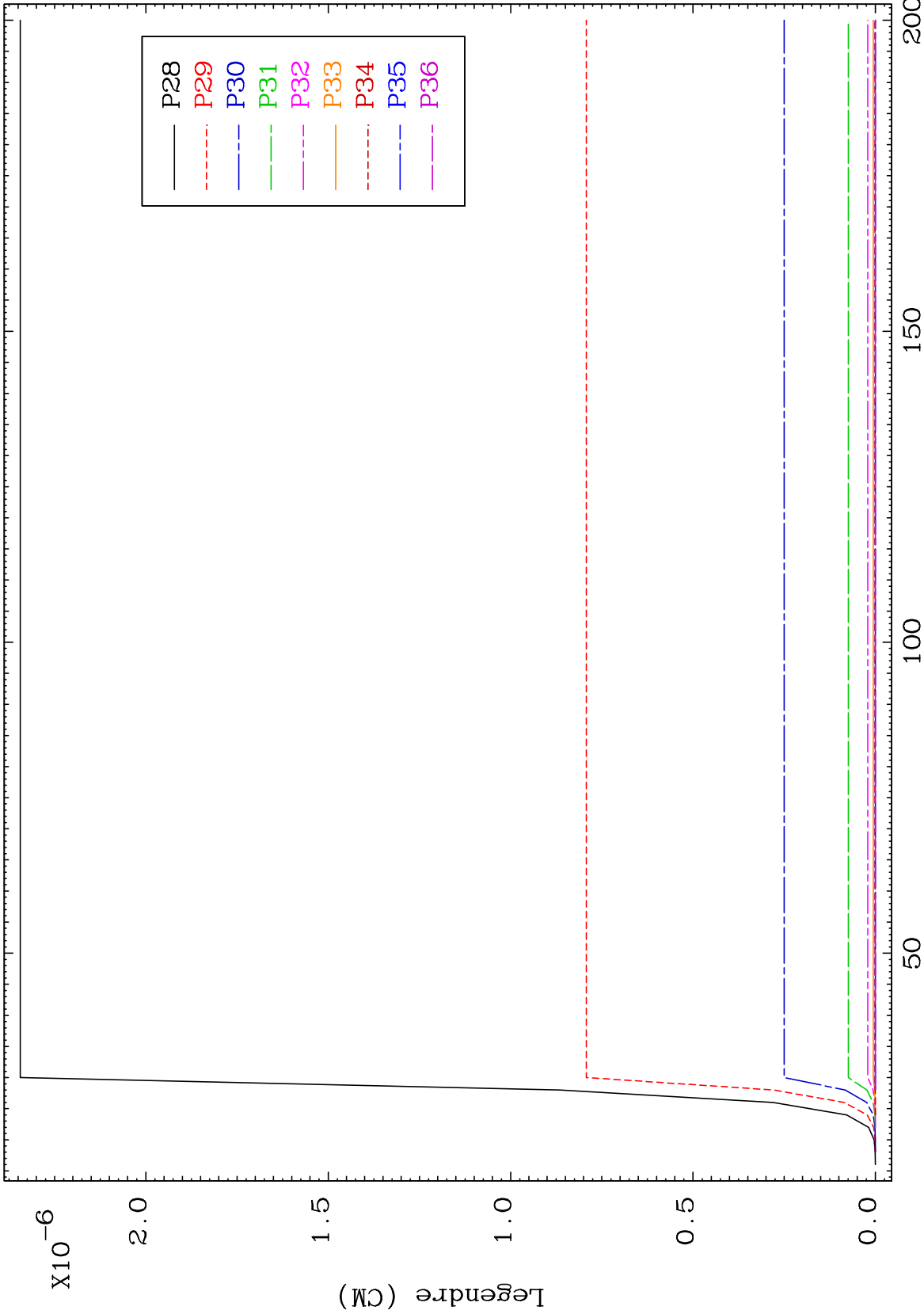
Incident Energy (MeV)

50-Sn-118

MAT 5043

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

50-Sn-118

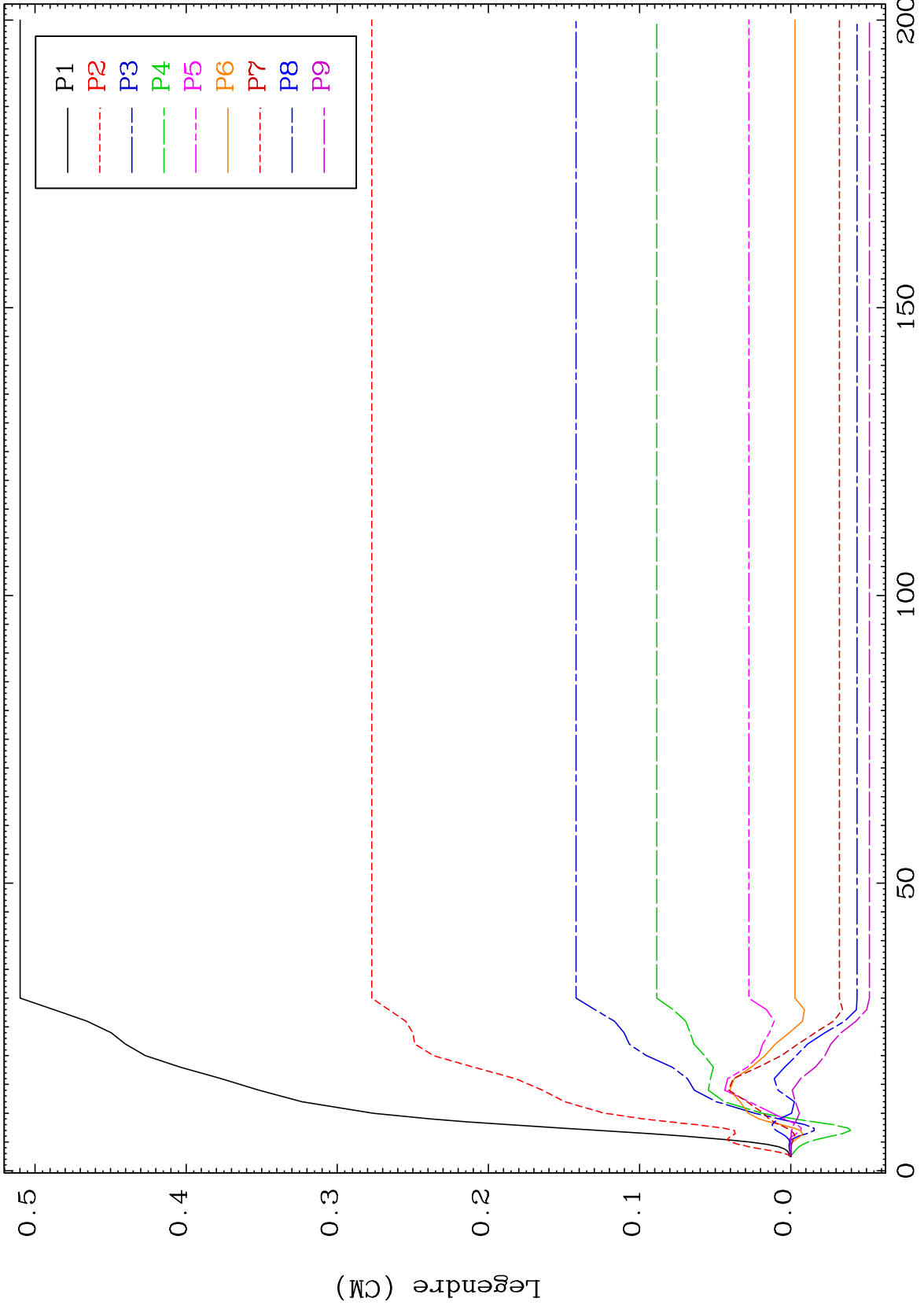


53

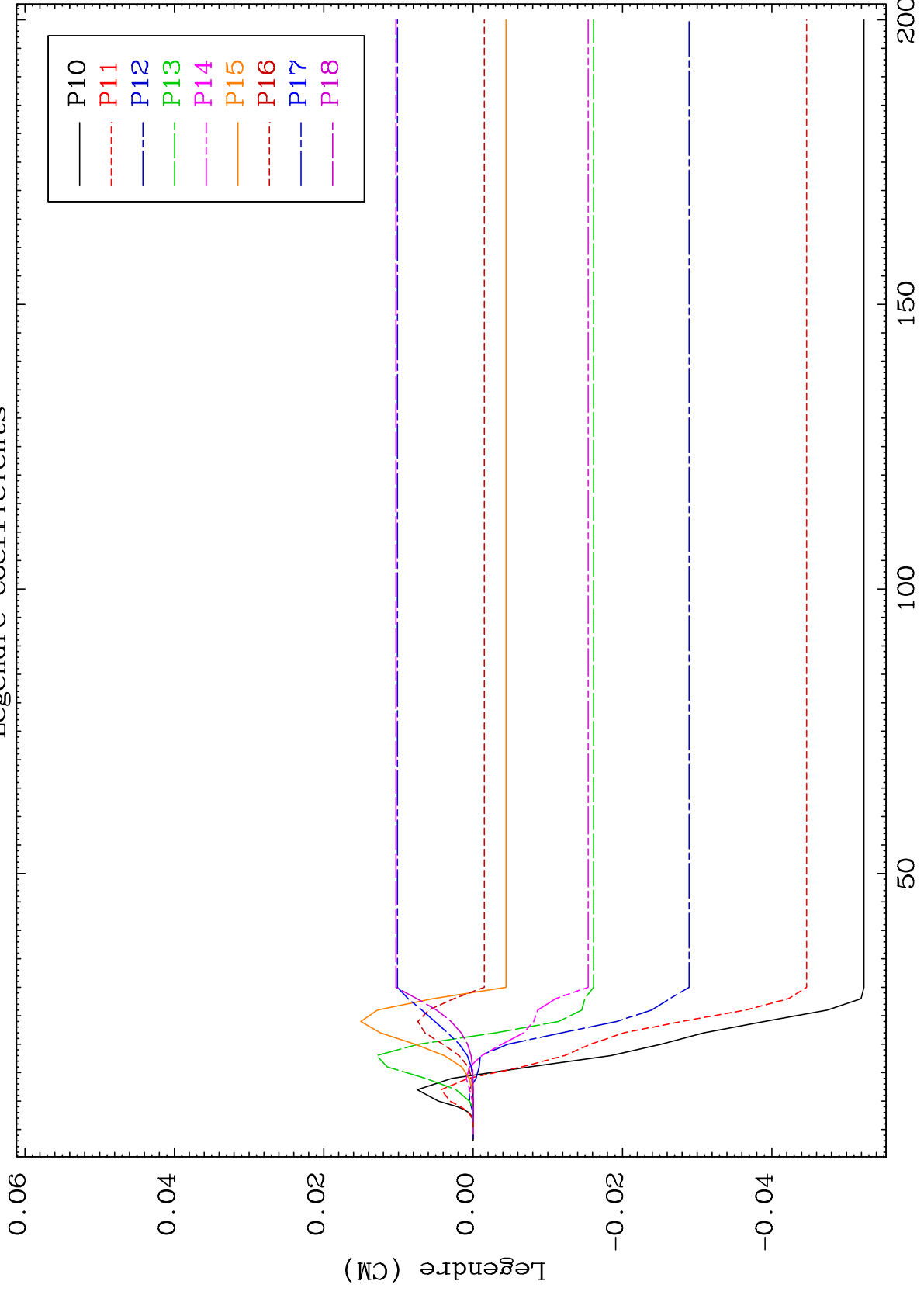
Incident Energy (MeV)

50-Sn-118

MAT 5043 MT= 60 (n,n') Level Legendre Coefficients 50-Sn-118

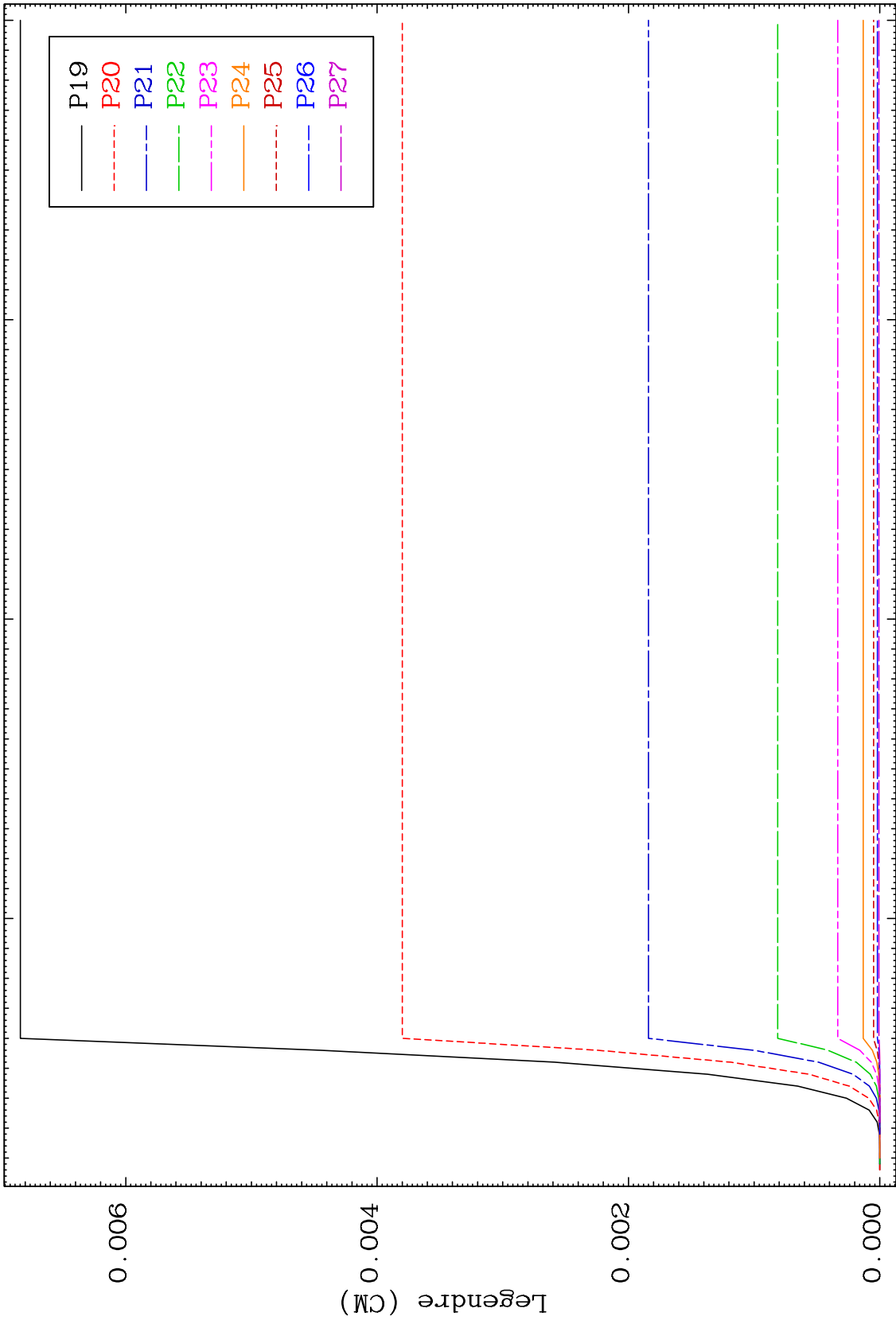


MAT 5043 MT= 60 (n,n') Level Legendre Coefficients 50-Sn-118



55 Incident Energy (MeV) 50-Sn-118

MAT 5043 MT= 60 (n,n') Level Legendre Coefficients 50-Sn-118

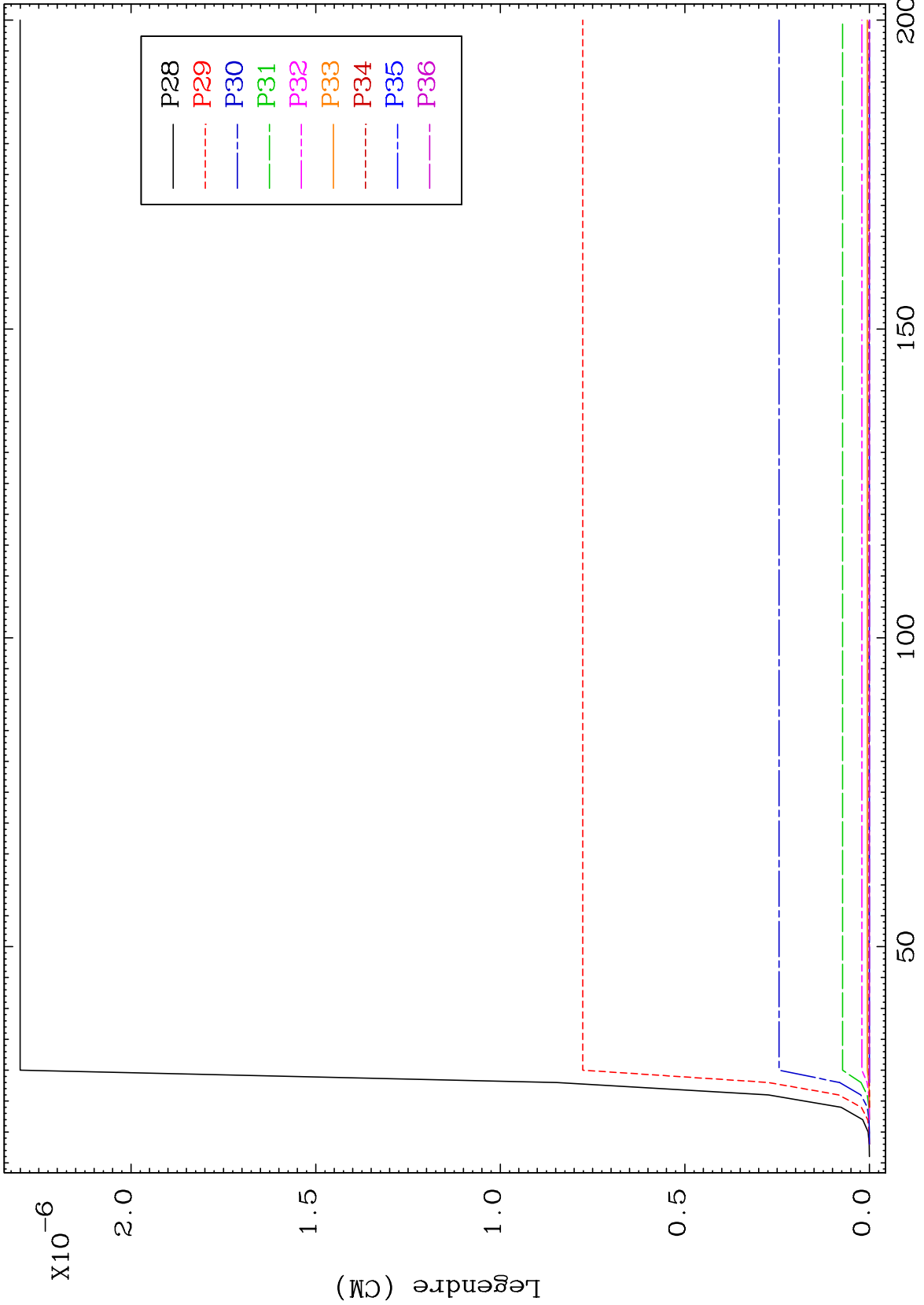


56 Incident Energy (MeV) 50-Sn-118

MAT 5043

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

50-Sn-118

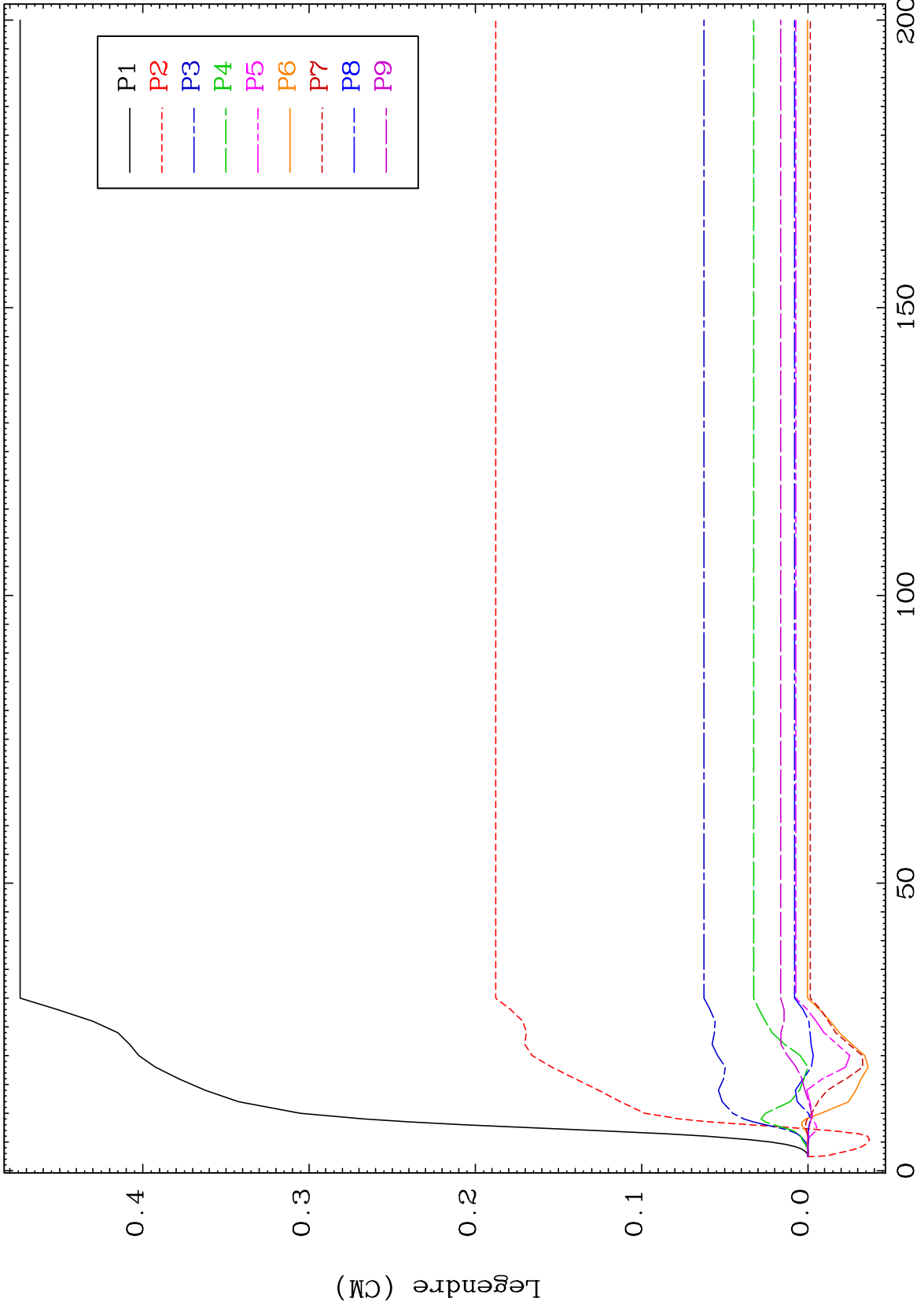


57

Incident Energy (MeV)

50-Sn-118

MAT 5043 MT= 61 (n,n') Level Legendre Coefficients 50-Sn-118

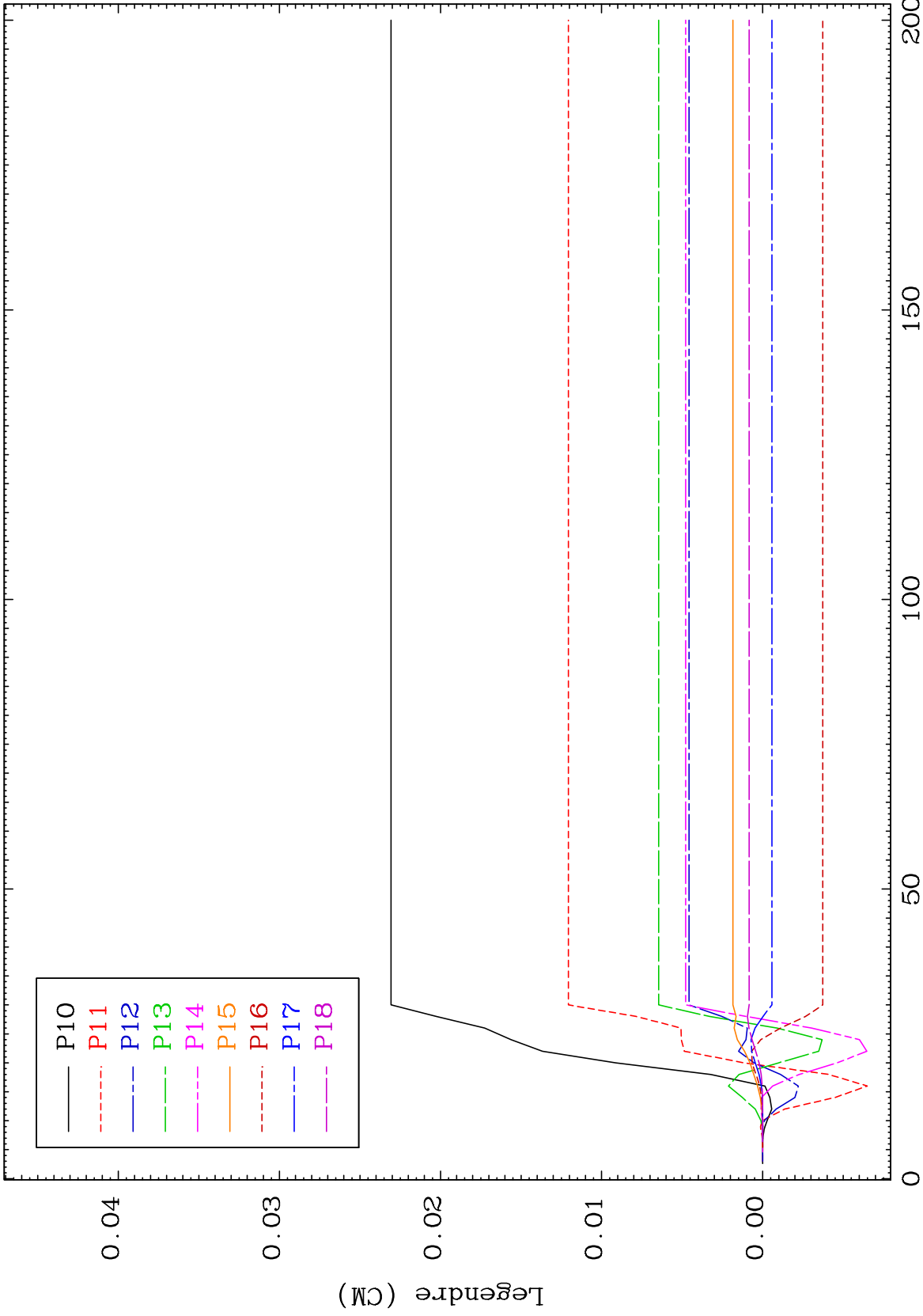


58 Incident Energy (MeV) 50-Sn-118

MAT 5043

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

50-Sn-118



59

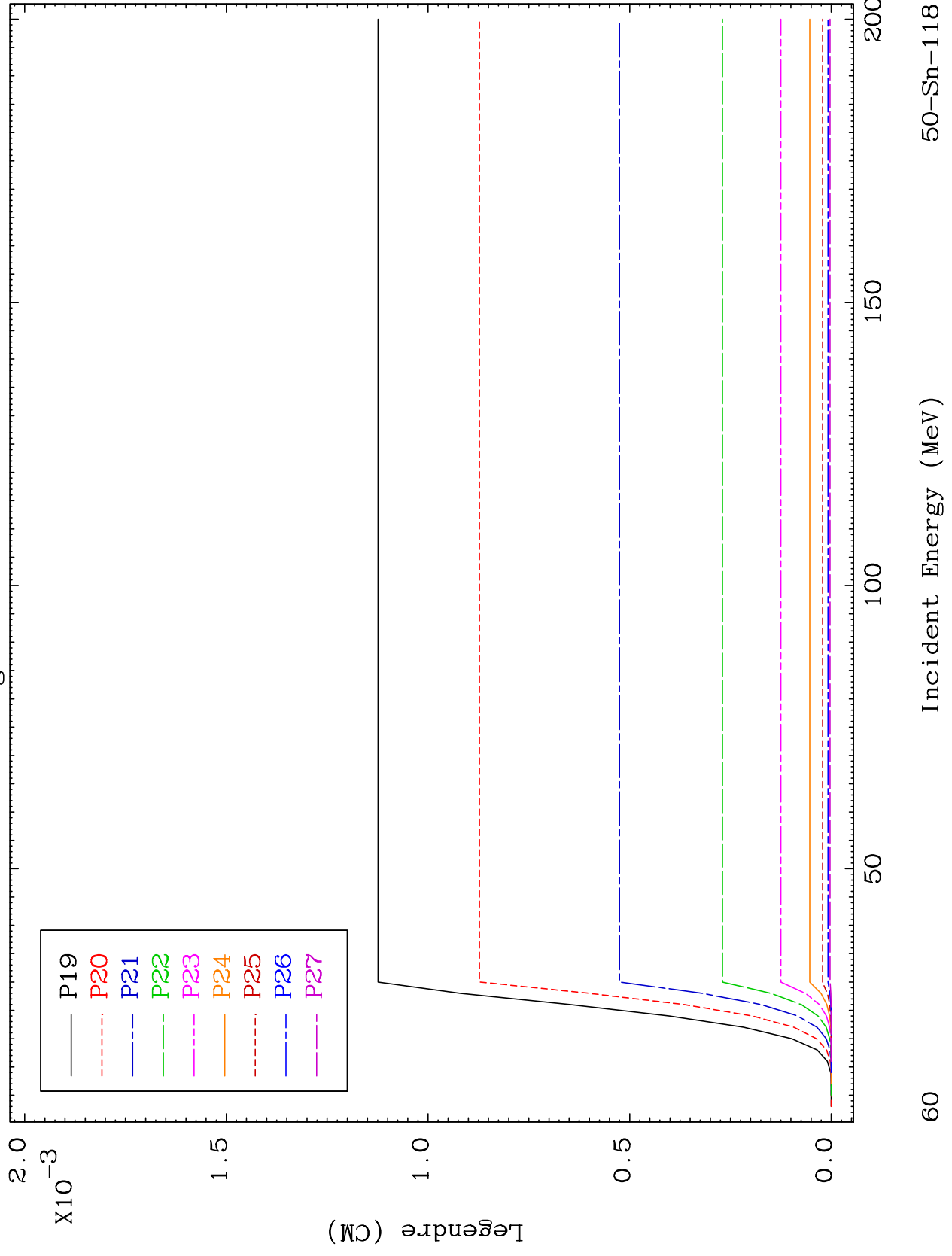
Incident Energy (MeV)

50-Sn-118

MAT 5043

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

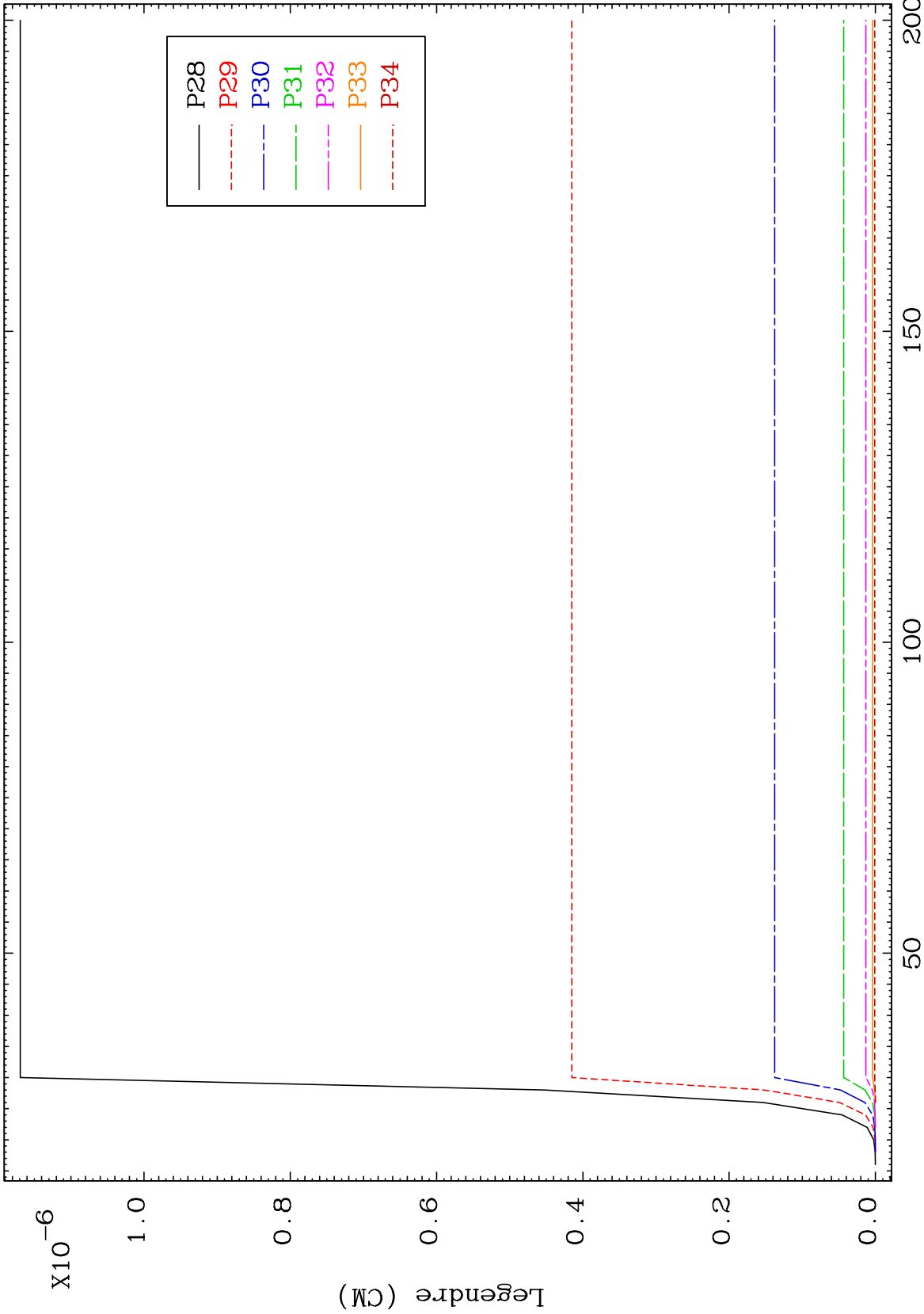
50-Sn-118



MAT 5043

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

50-Sn-118



61

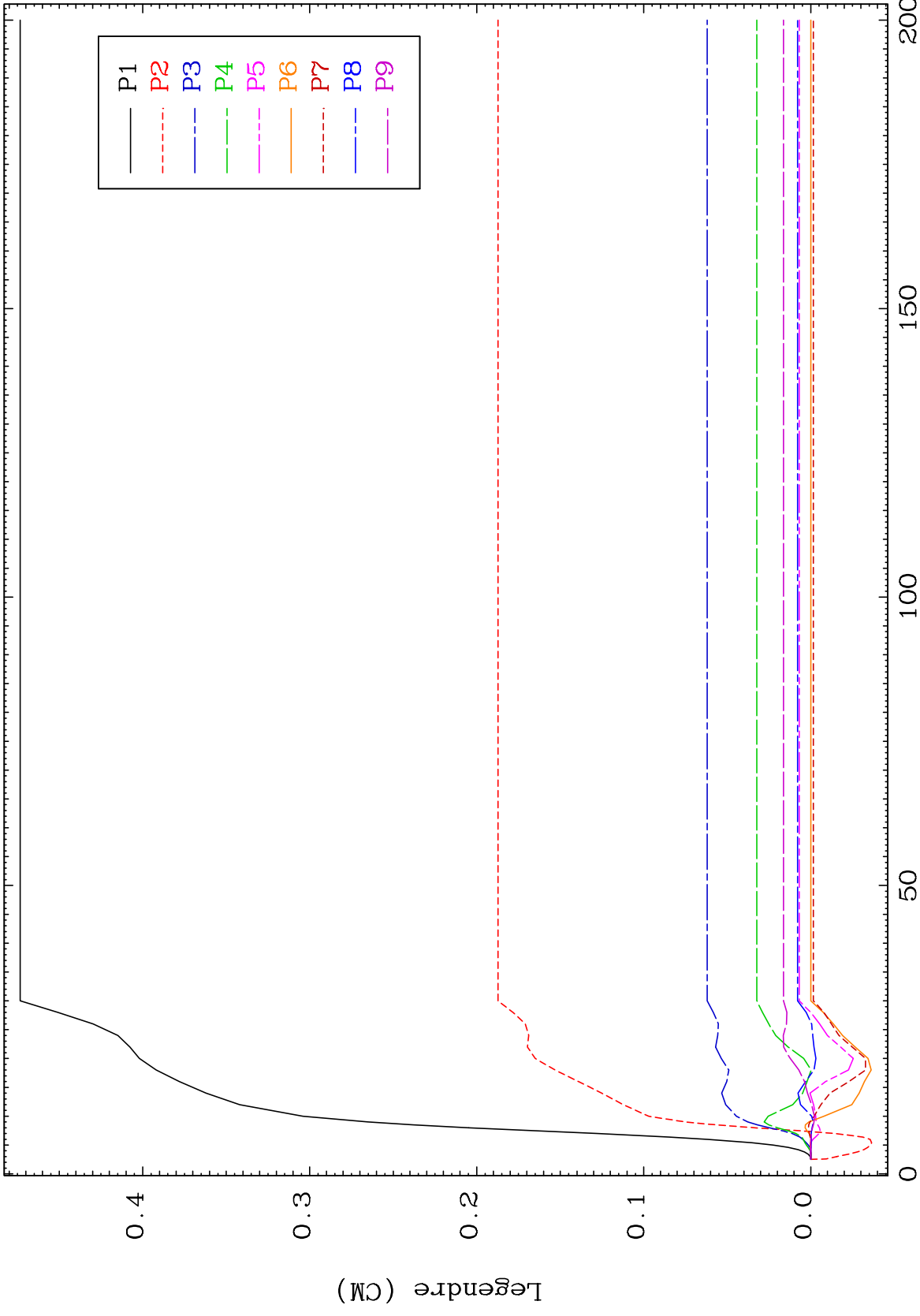
Incident Energy (MeV)

50-Sn-118

MAT 5043

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

50-Sn-118



50-Sn-118

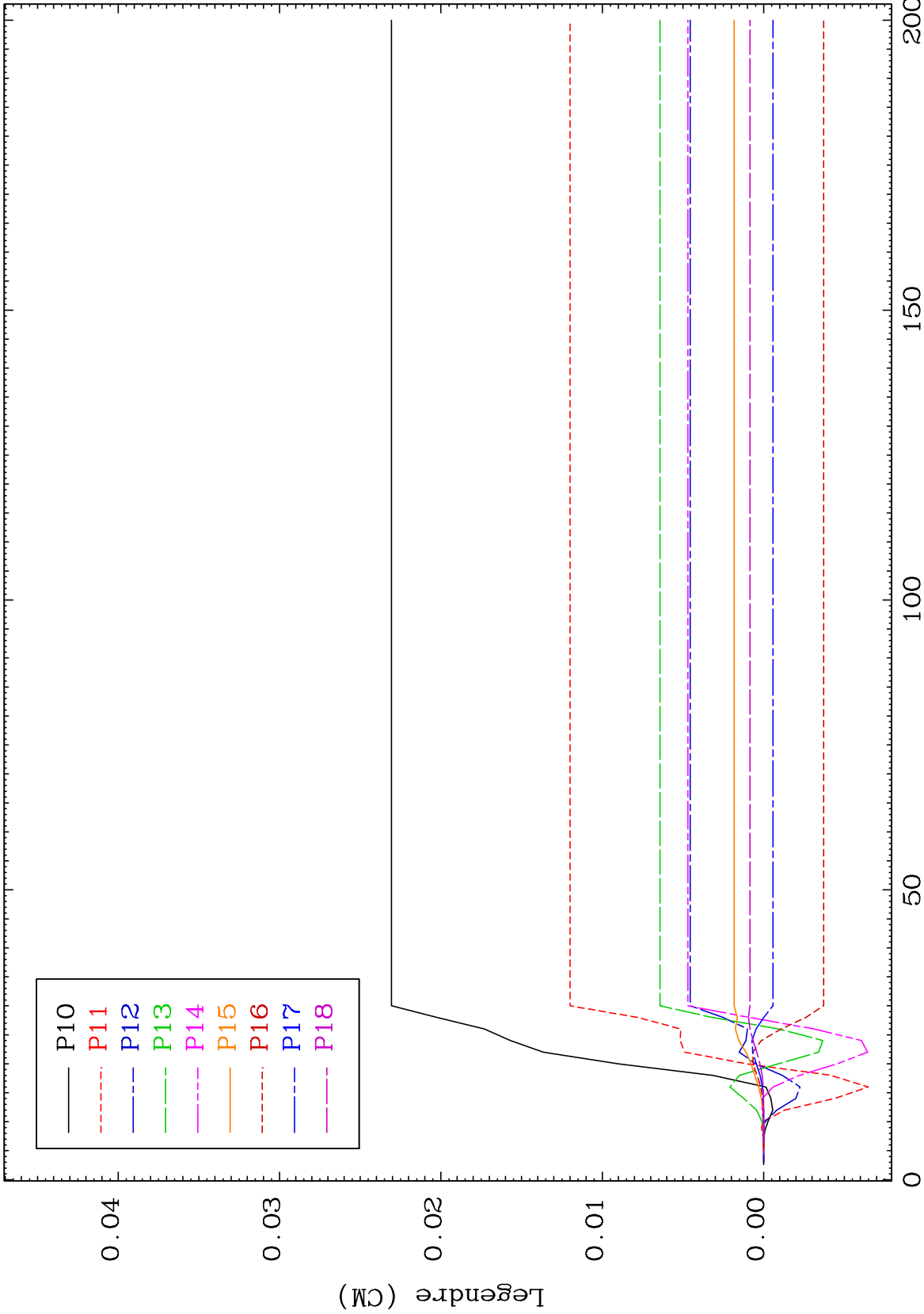
Incident Energy (MeV)

62

MAT 5043

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

50-Sn-118



63

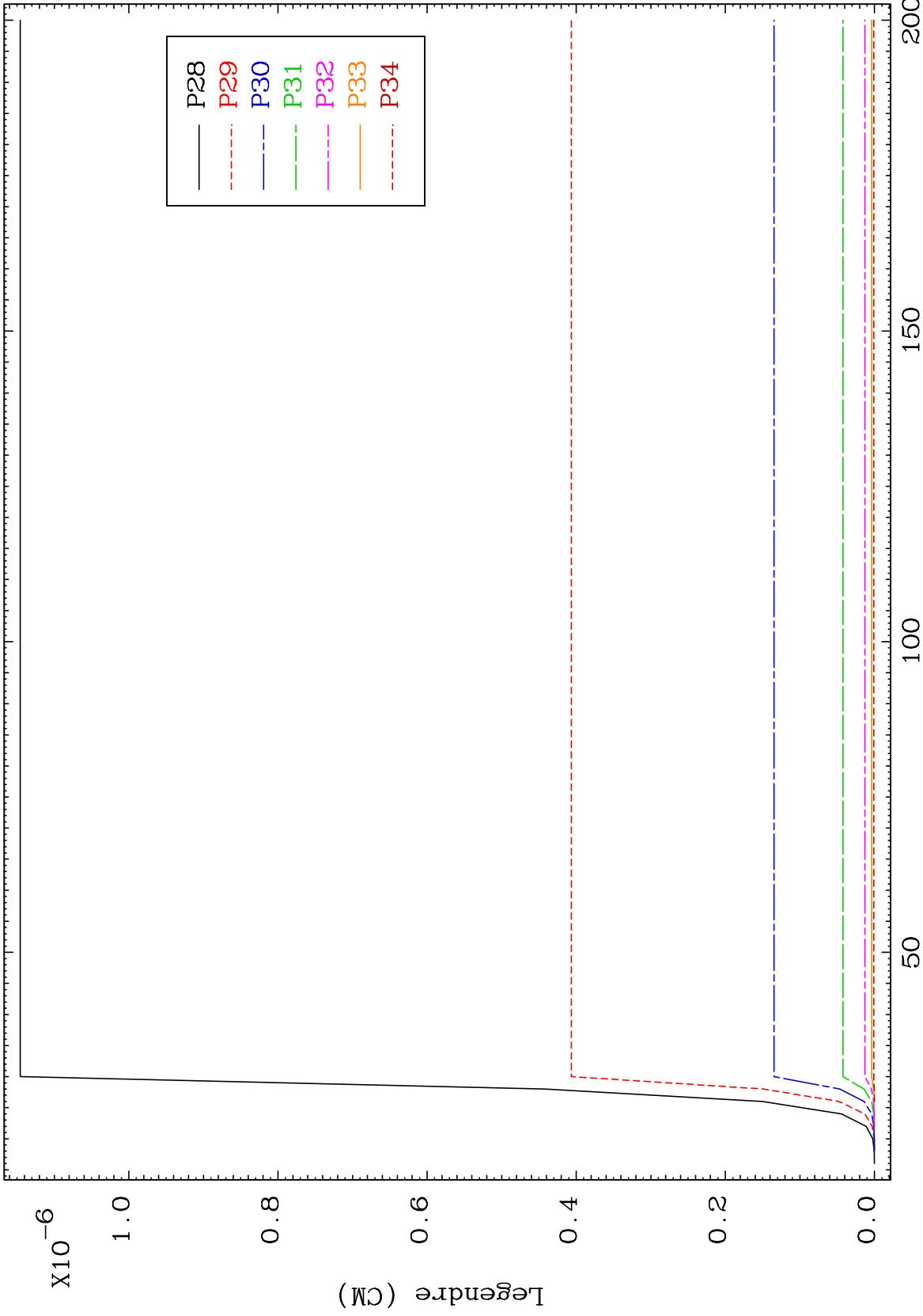
Incident Energy (MeV)

50-Sn-118

MAT 5043

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

50-Sn-118

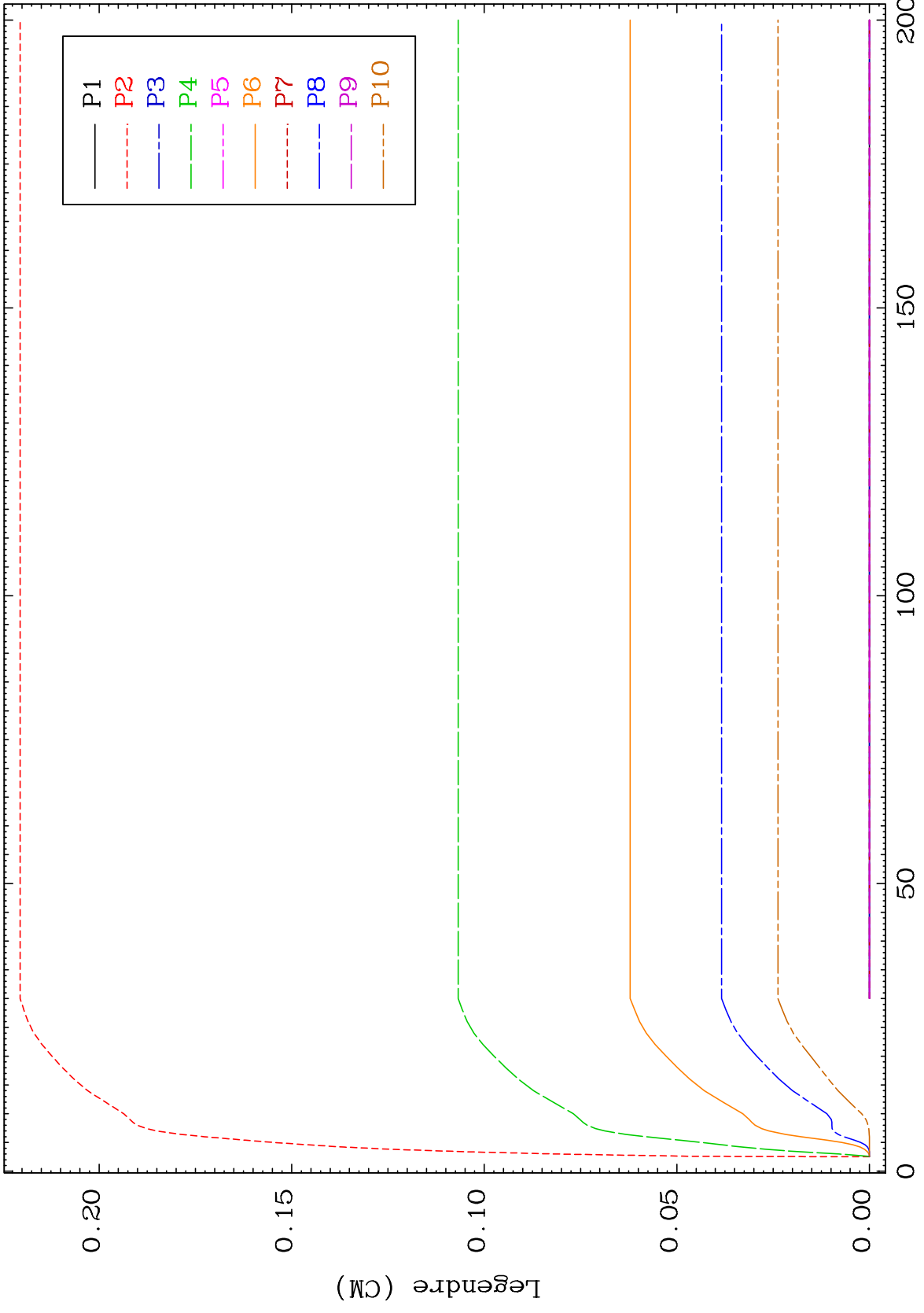


65

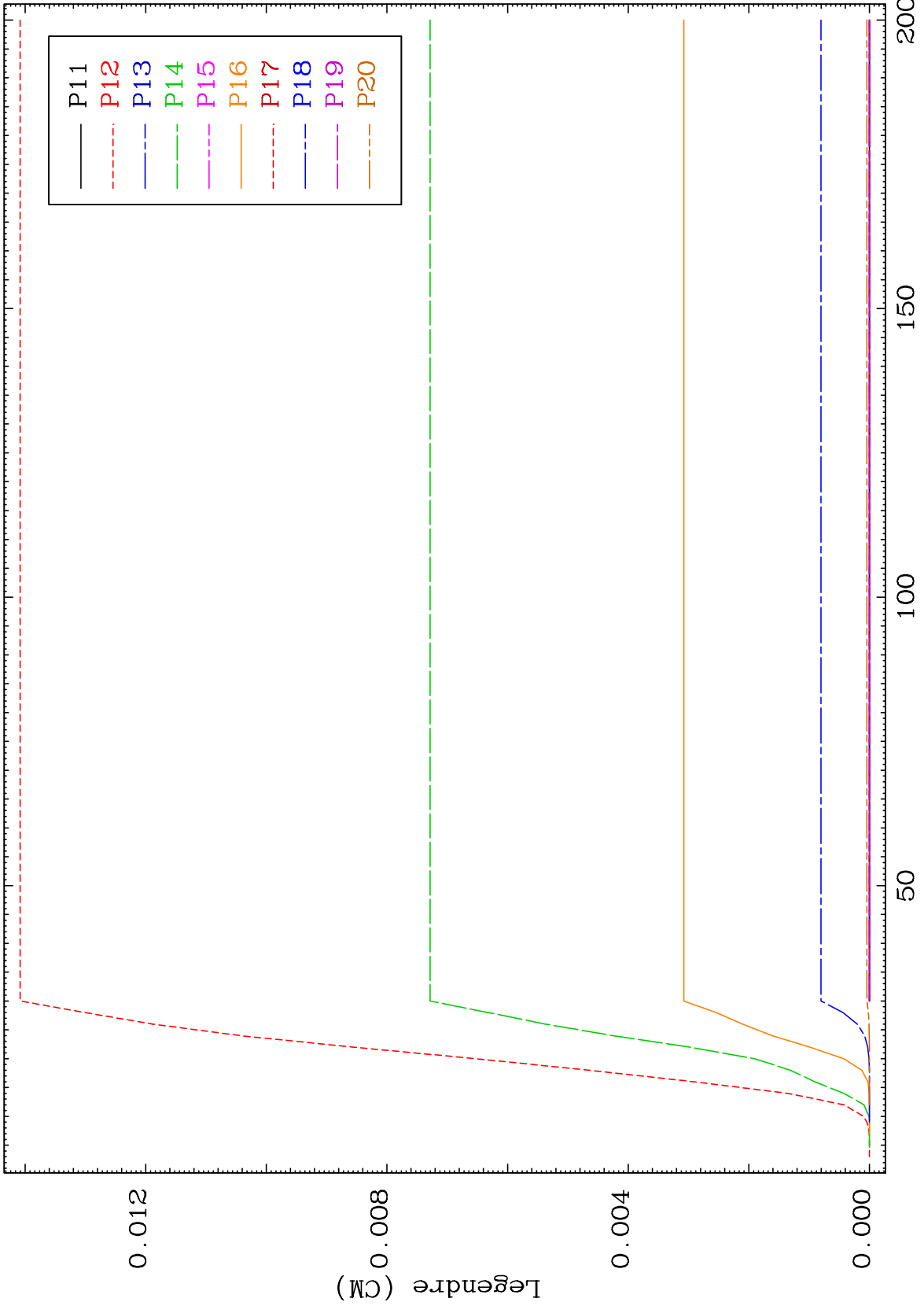
Incident Energy (MeV)

50-Sn-118

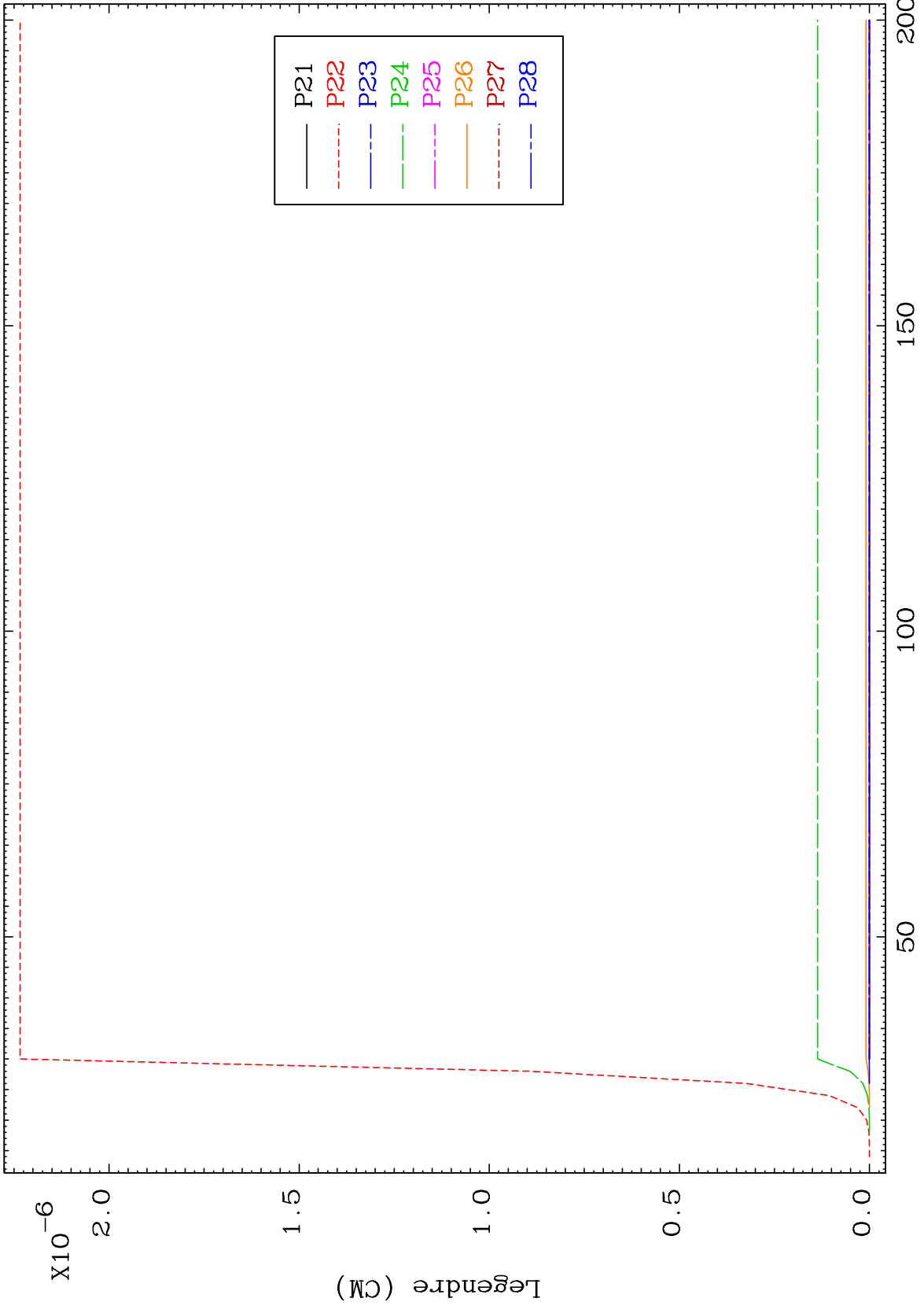
MAT 5043 MT= 63 (n,n') Level Legendre Coefficients 50-Sn-118



MAT 5043 MT= 63 (n,n') Level Legendre Coefficients 50-Sn-118



MAT 5043 MT= 63 (n,n') Level Legendre Coefficients 50-Sn-118

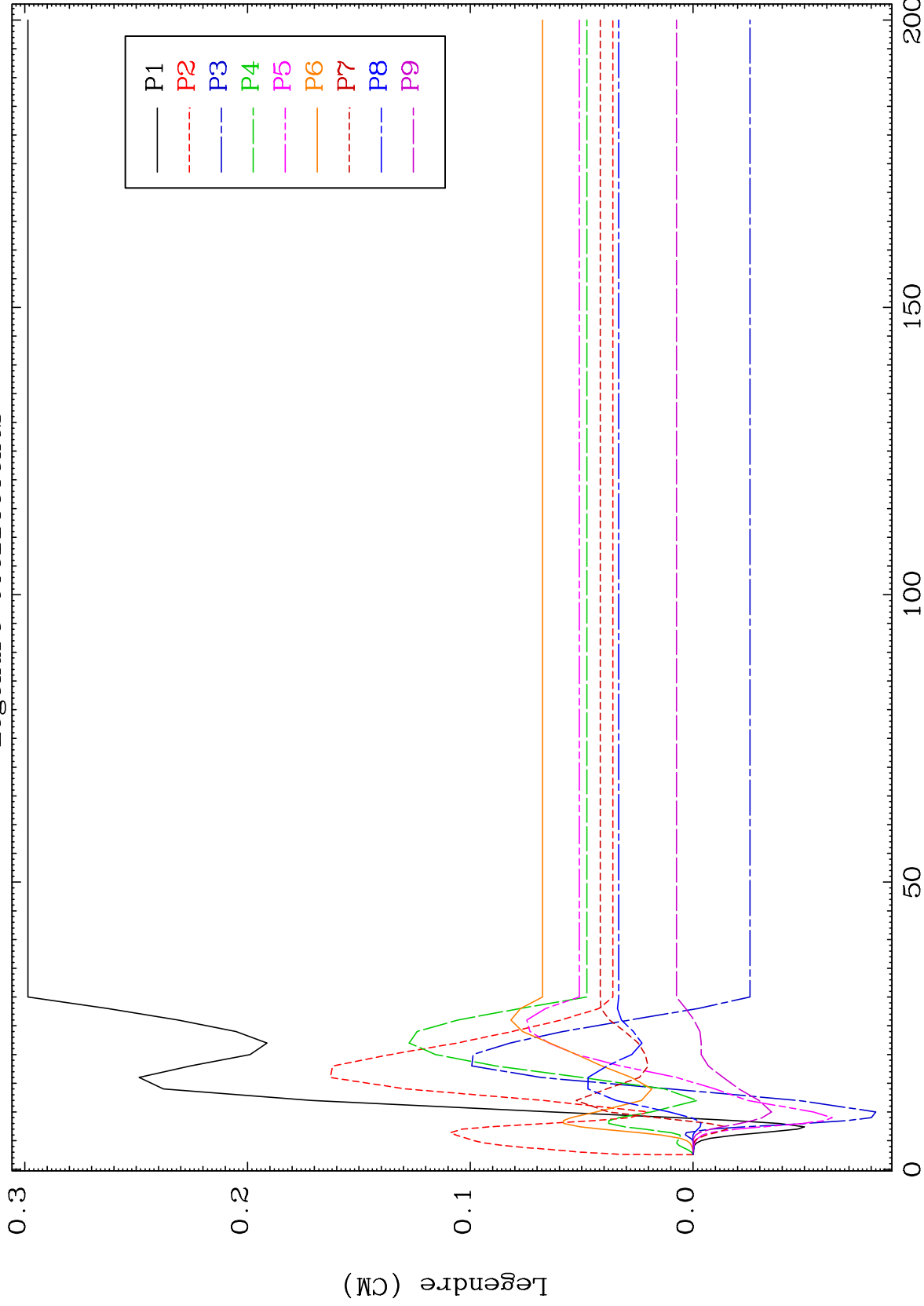


68 50-Sn-118

MAT 5043

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

50-Sn-118



69

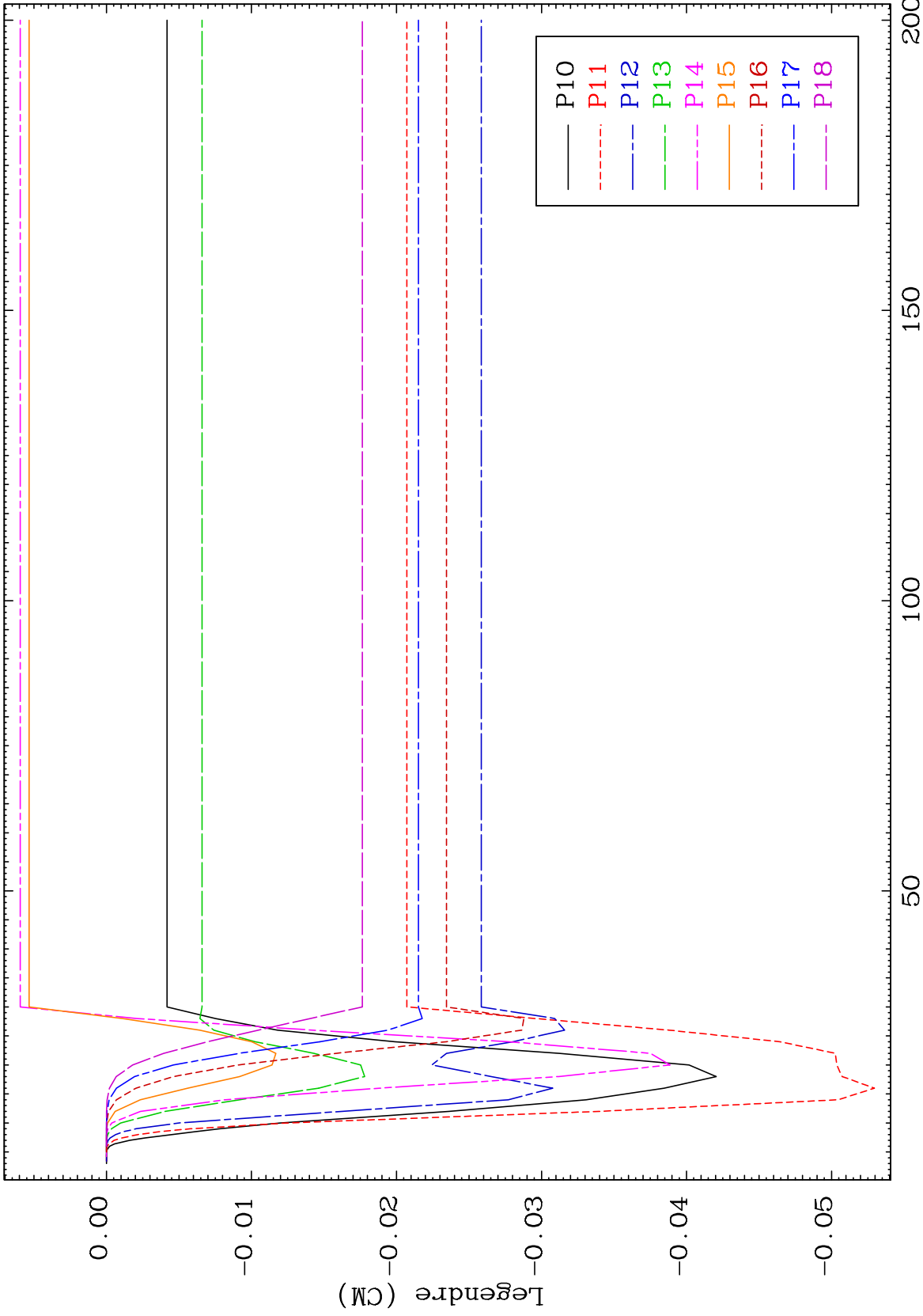
Incident Energy (MeV)

50-Sn-118

MAT 5043

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

50-Sn-118

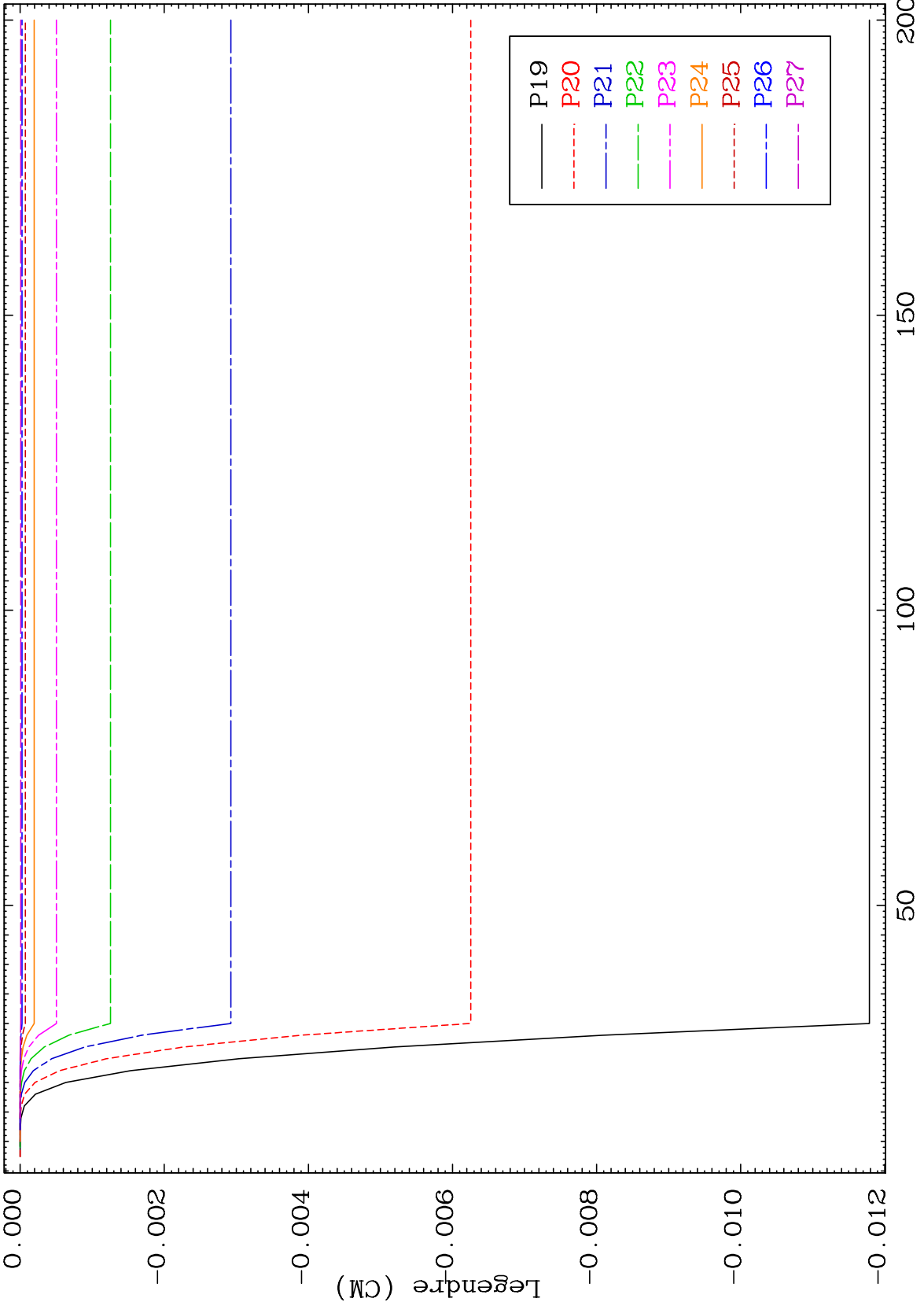


70

Incident Energy (MeV)

50-Sn-118

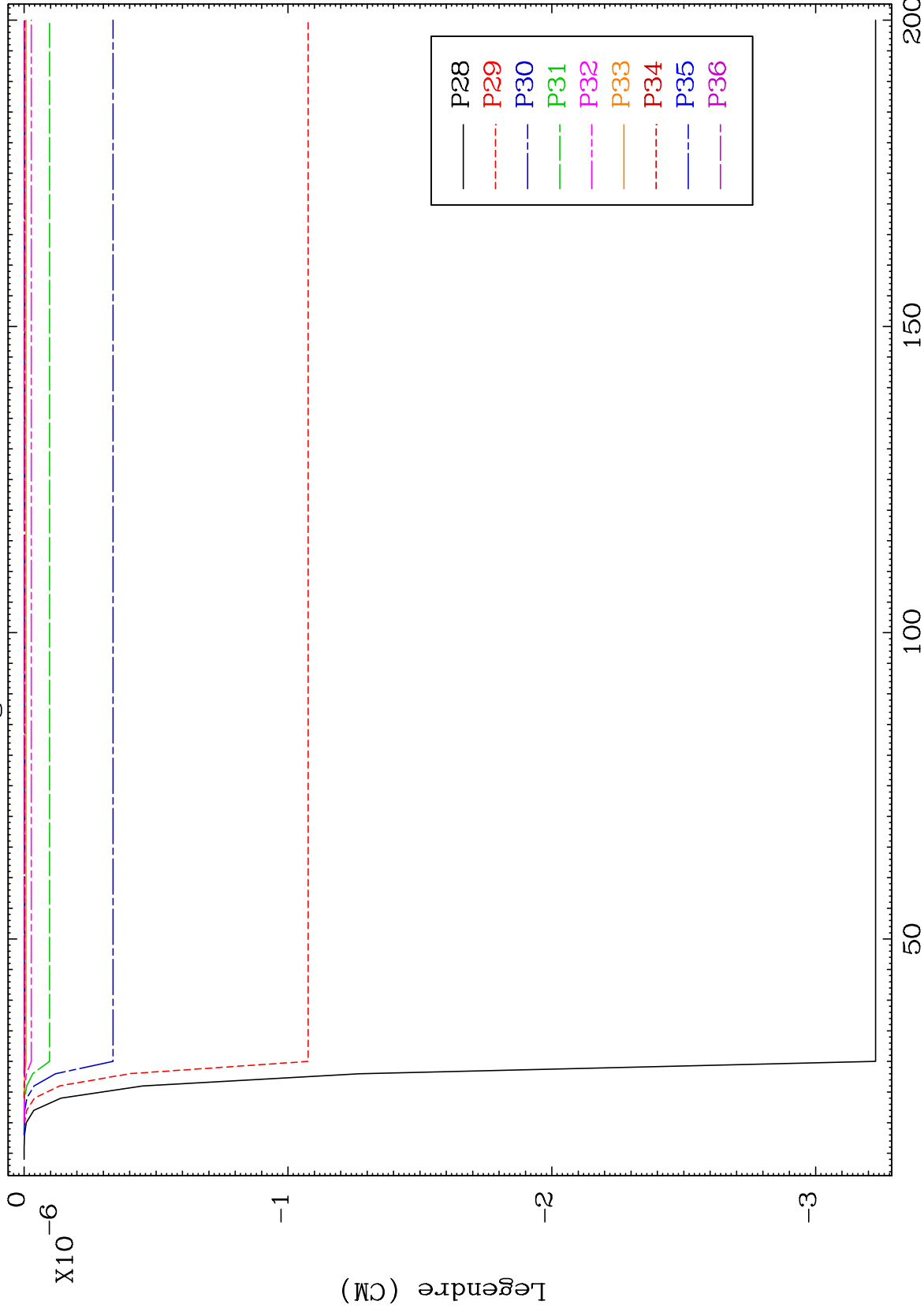
MAT 5043 MT= 64 (n,n') Level Legendre Coefficients 50-Sn-118



MAT 5043

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

50-Sn-118



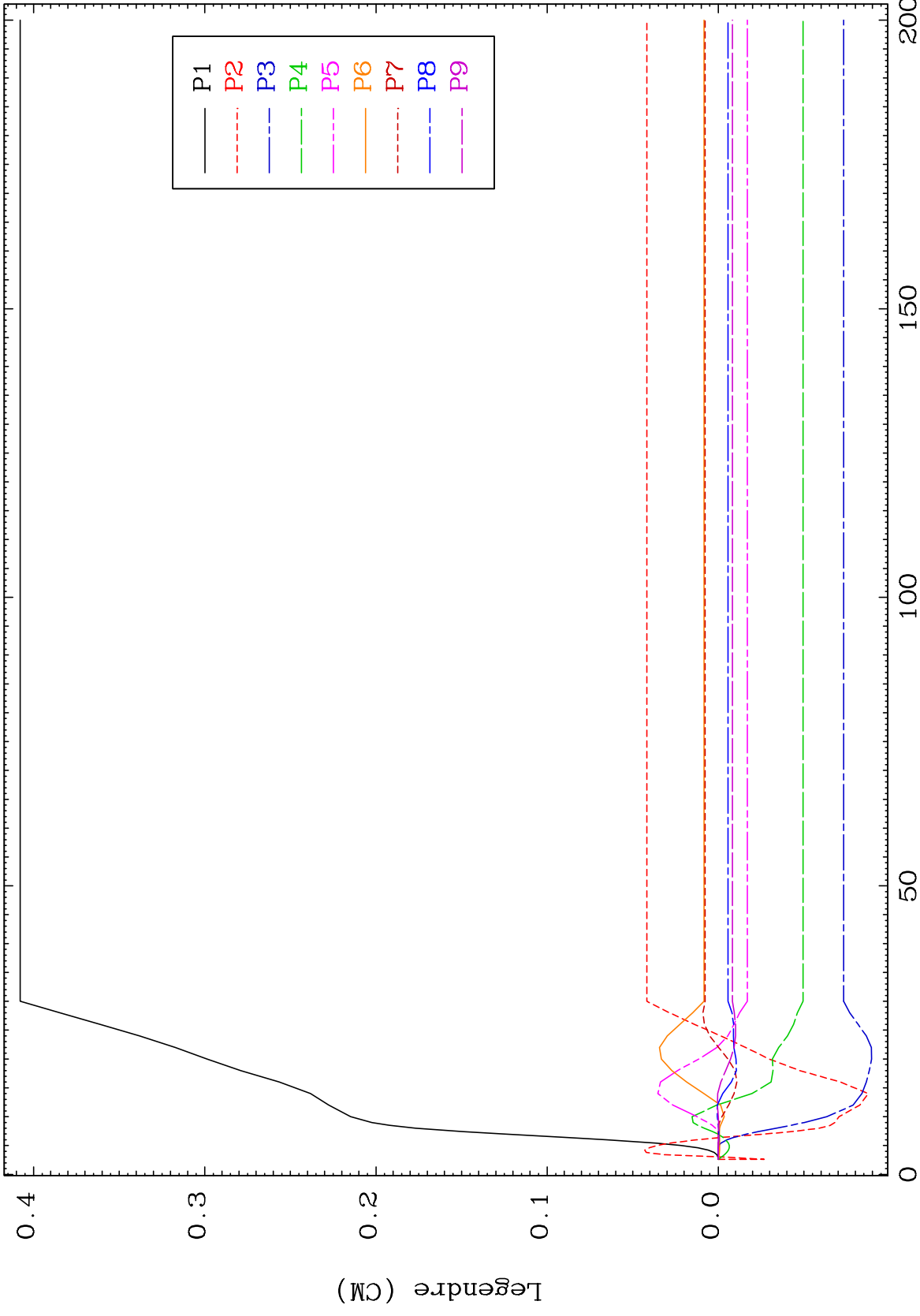
50-Sn-118

Incident Energy (MeV)

72

MAT 5043 MT= 65 (n,n') Level Legendre Coefficients

50-Sn-118



50-Sn-118

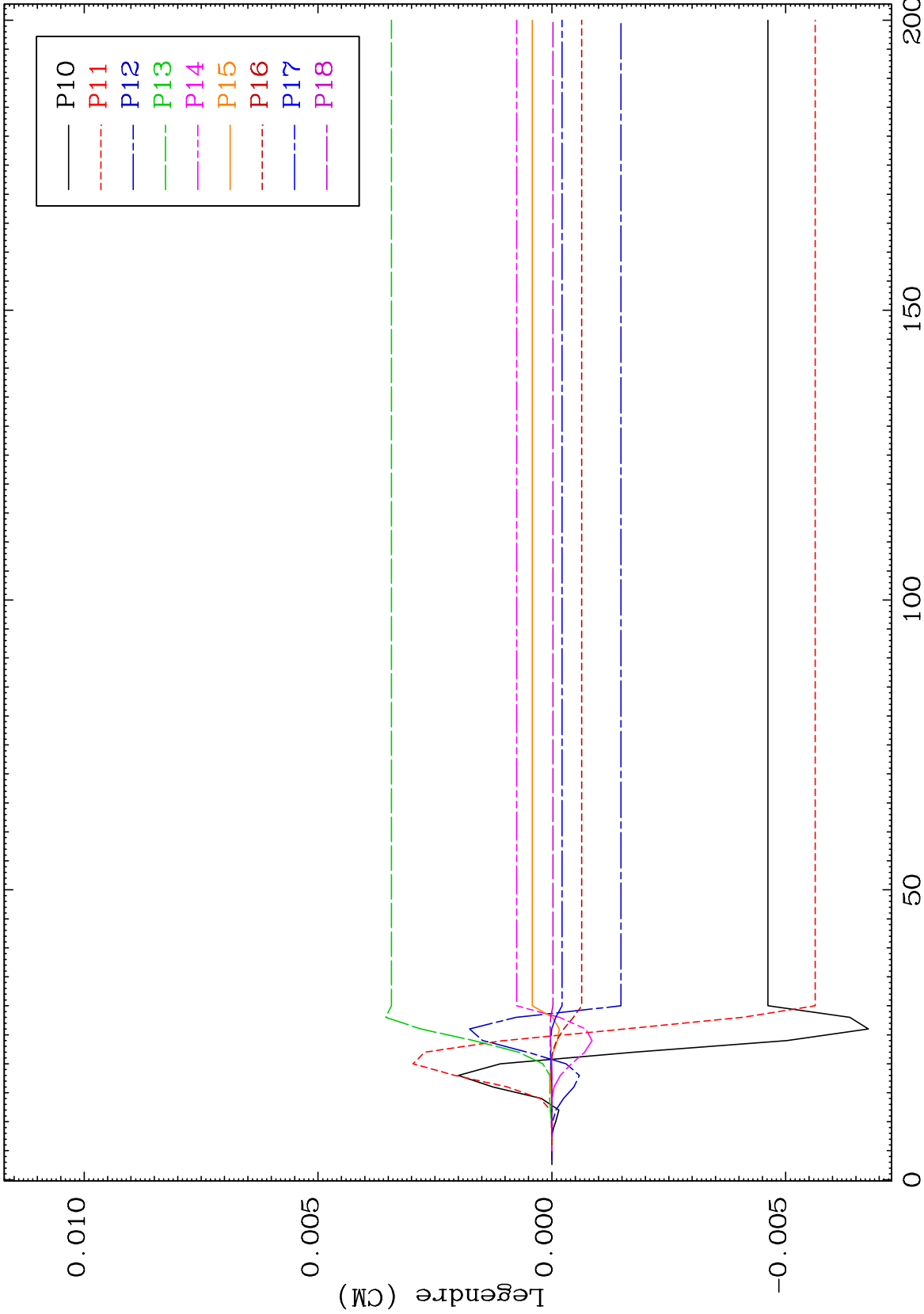
Incident Energy (MeV)

73

MAT 5043

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

50-Sn-118



74

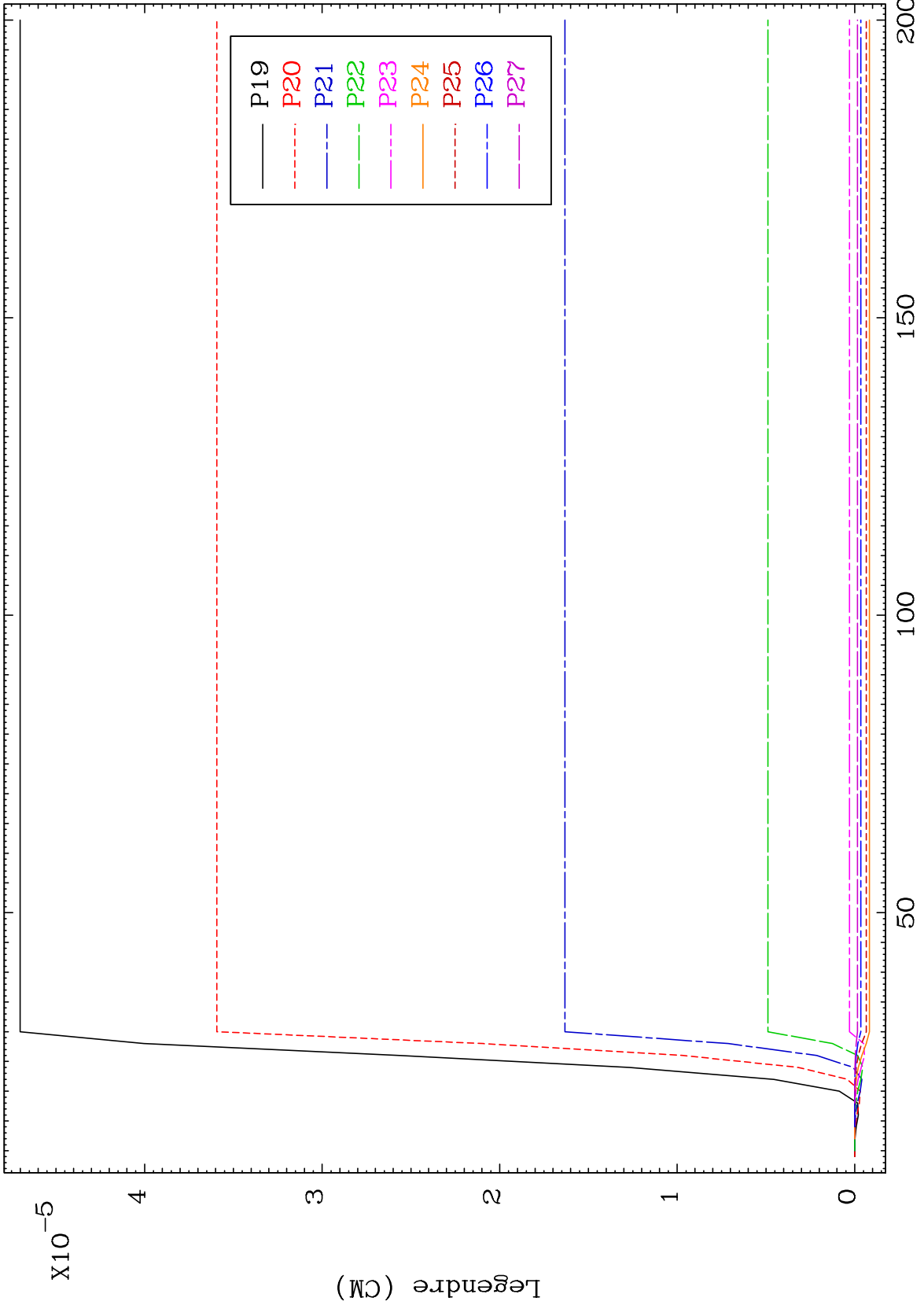
Incident Energy (MeV)

50-Sn-118

MAT 5043

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

50-Sn-118



75

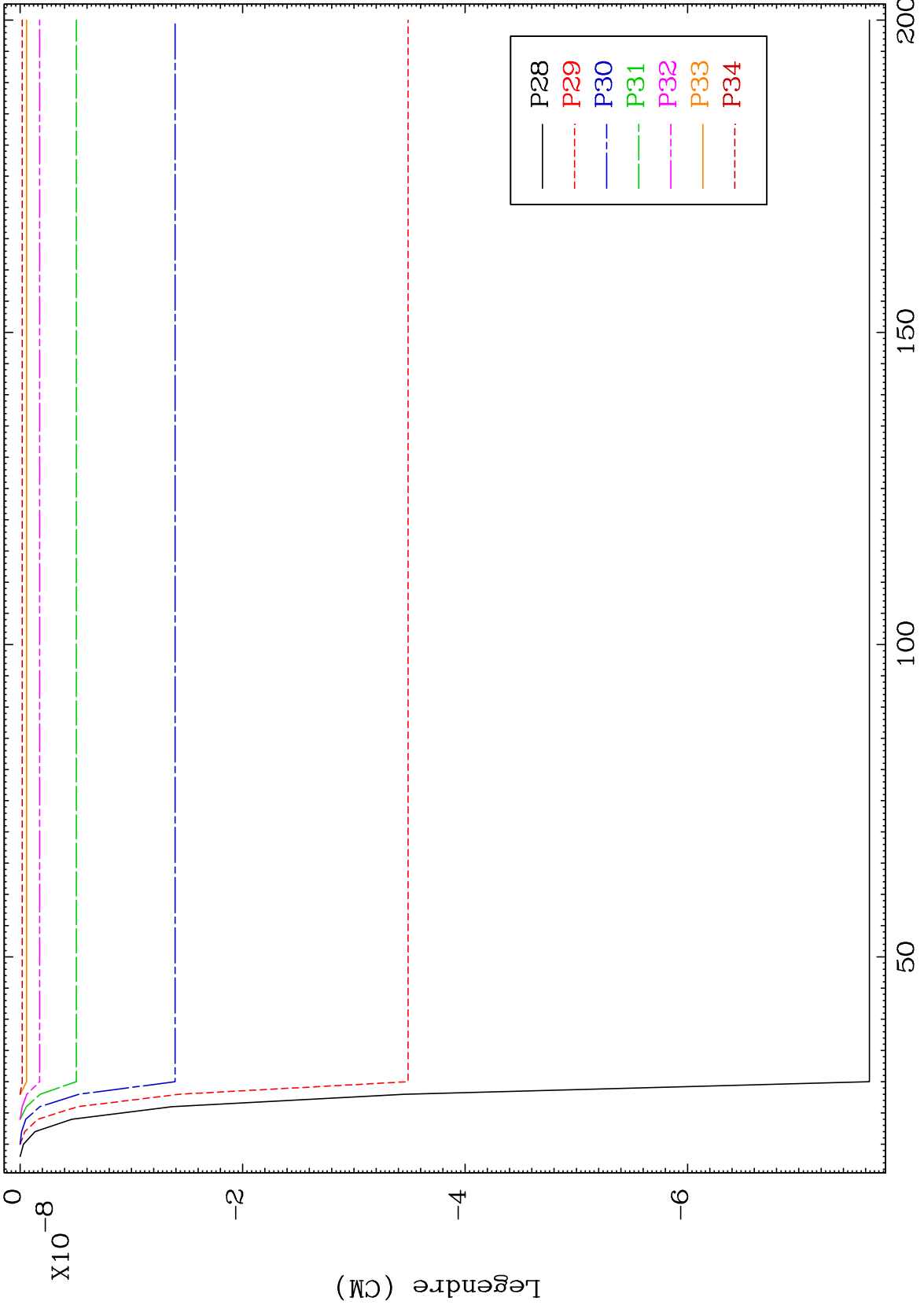
Incident Energy (MeV)

50-Sn-118

MAT 5043 MT= 65 (n,n') Level

Legendre Coefficients

50-Sn-118

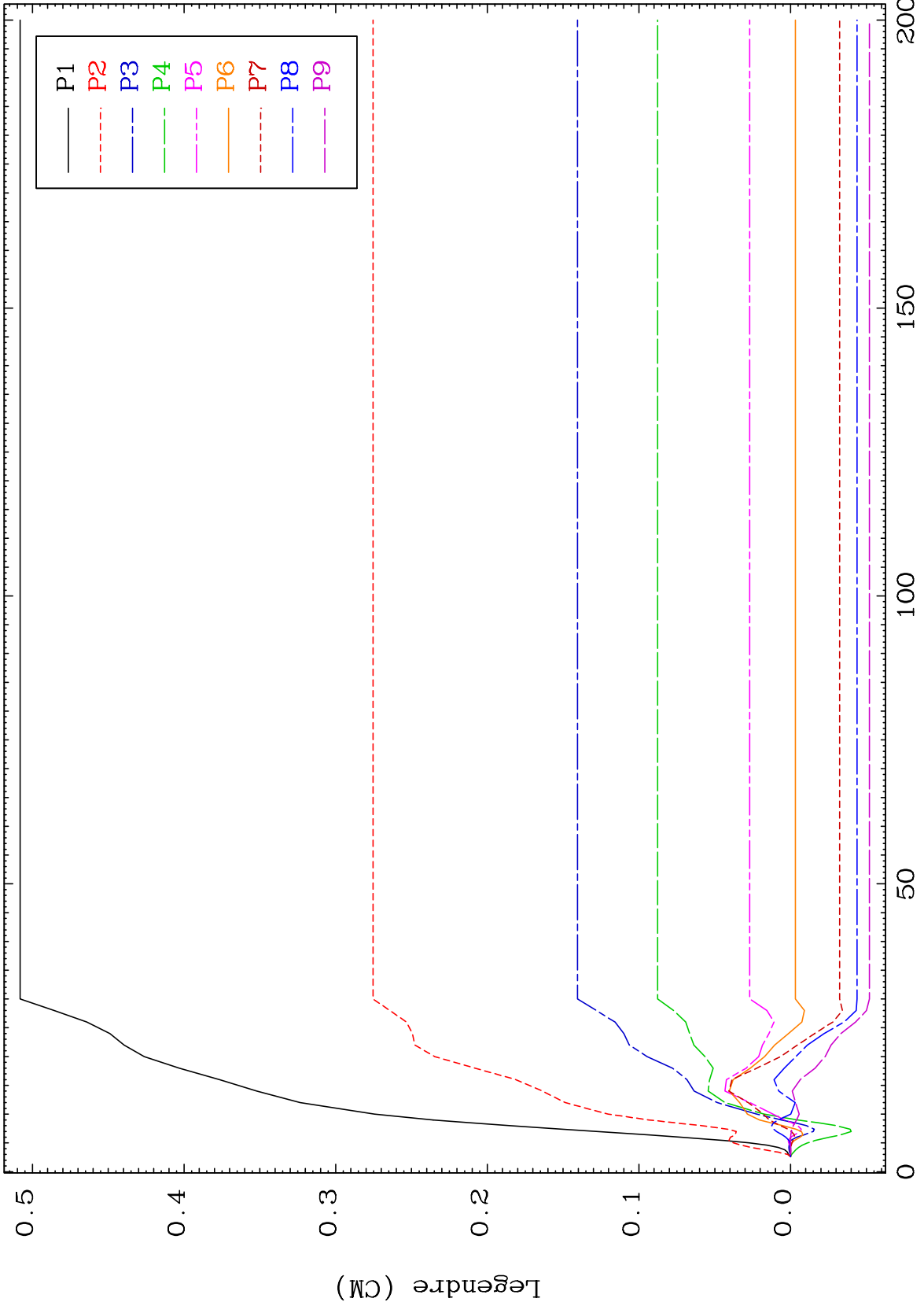


50-Sn-118

Incident Energy (MeV)

76

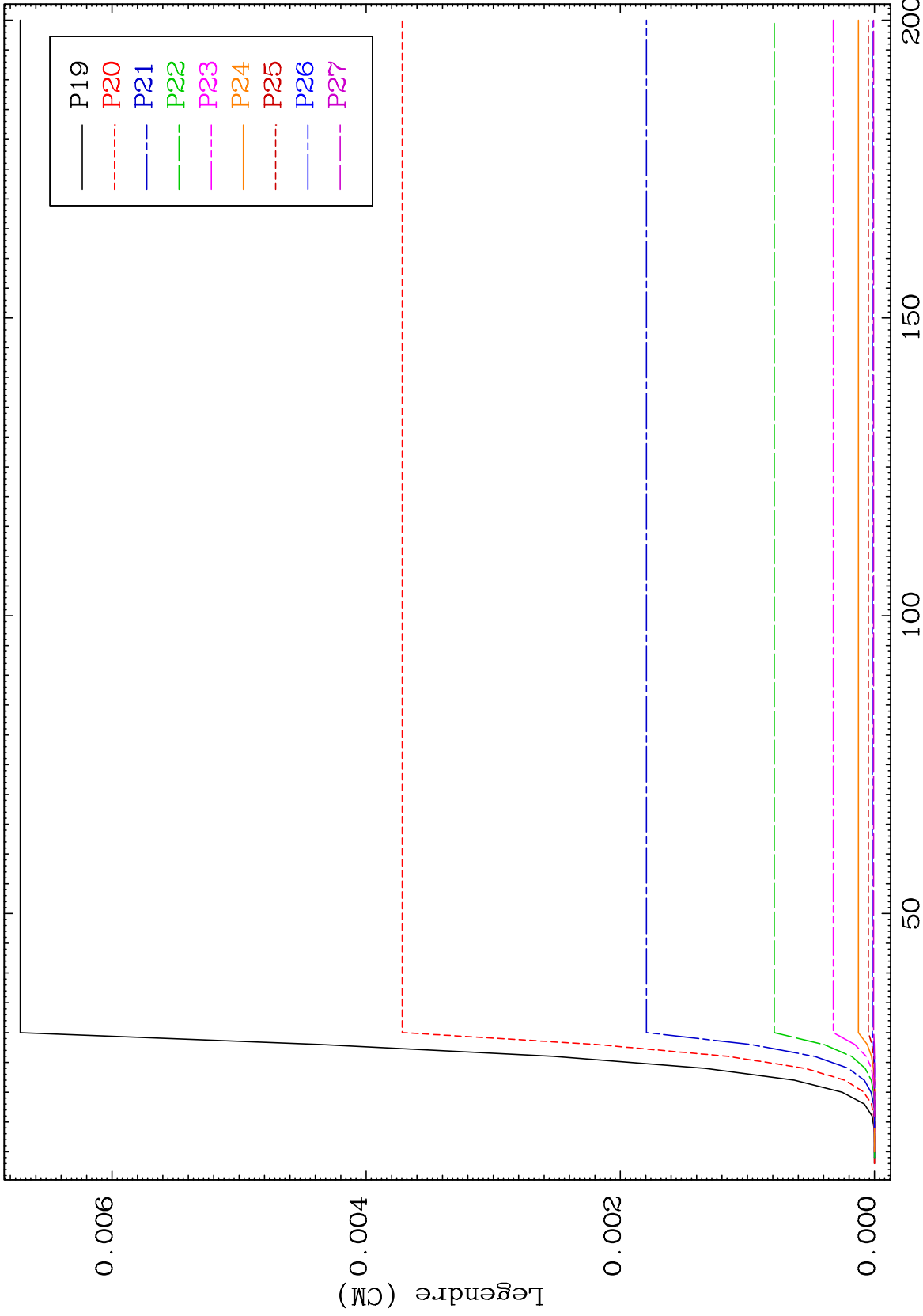
MAT 5043 MT= 66 (n,n') Level Legendre Coefficients 50-Sn-118



MAT 5043

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

50-Sn-118



79

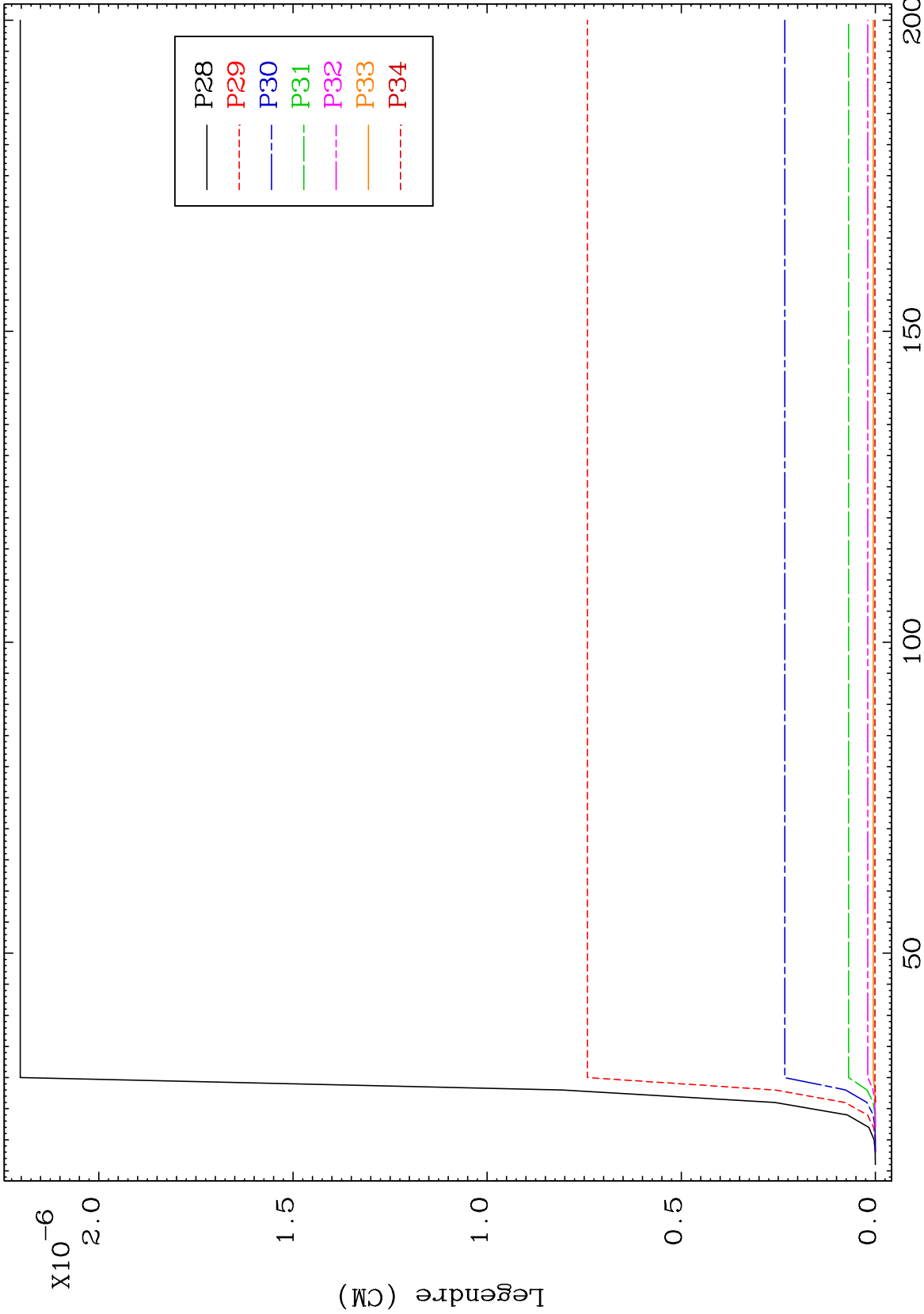
Incident Energy (MeV)

50-Sn-118

MAT 5043

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

50-Sn-118



80

Incident Energy (MeV)

50

100

150

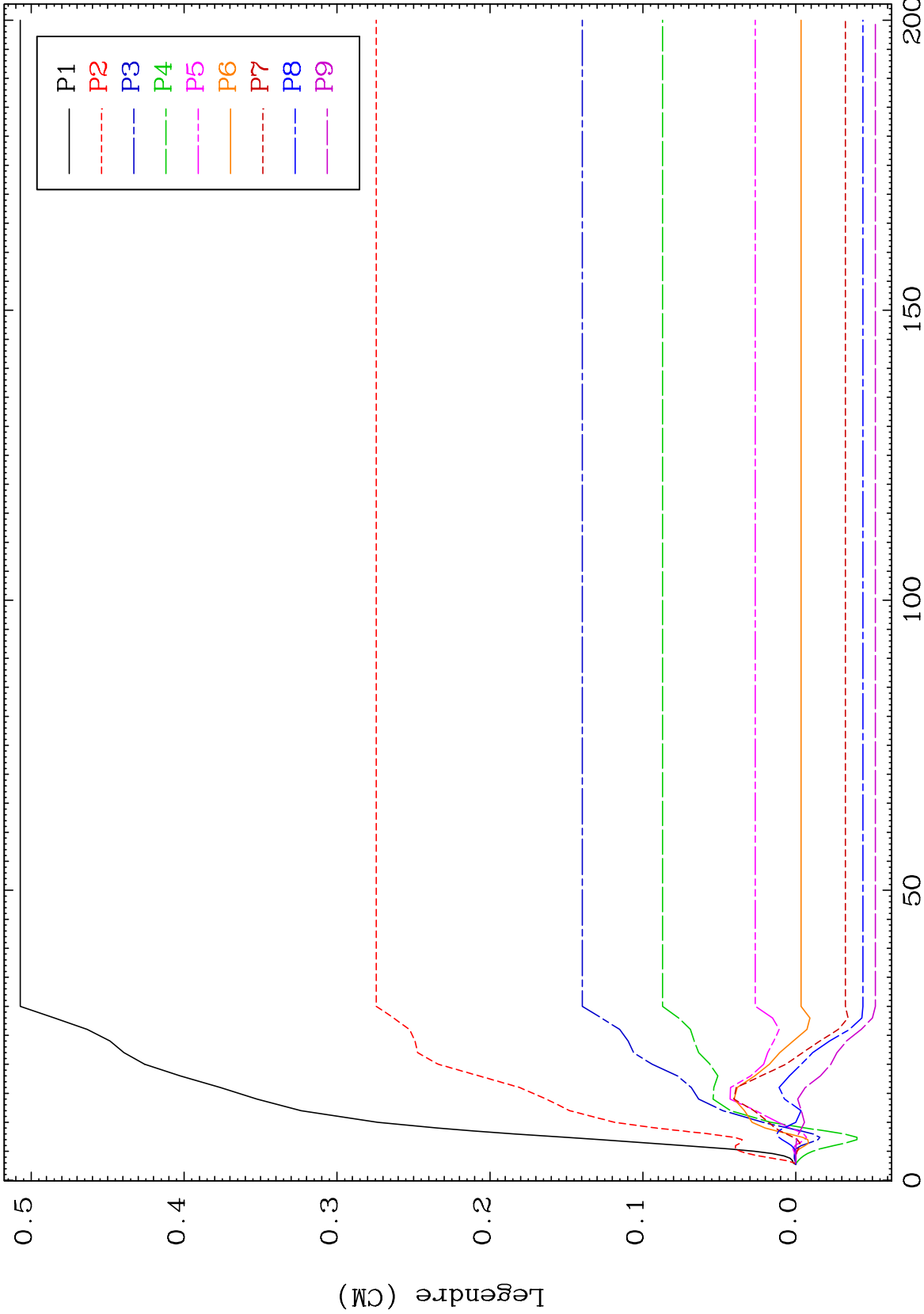
200

50-Sn-118

MAT 5043

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

50-Sn-118

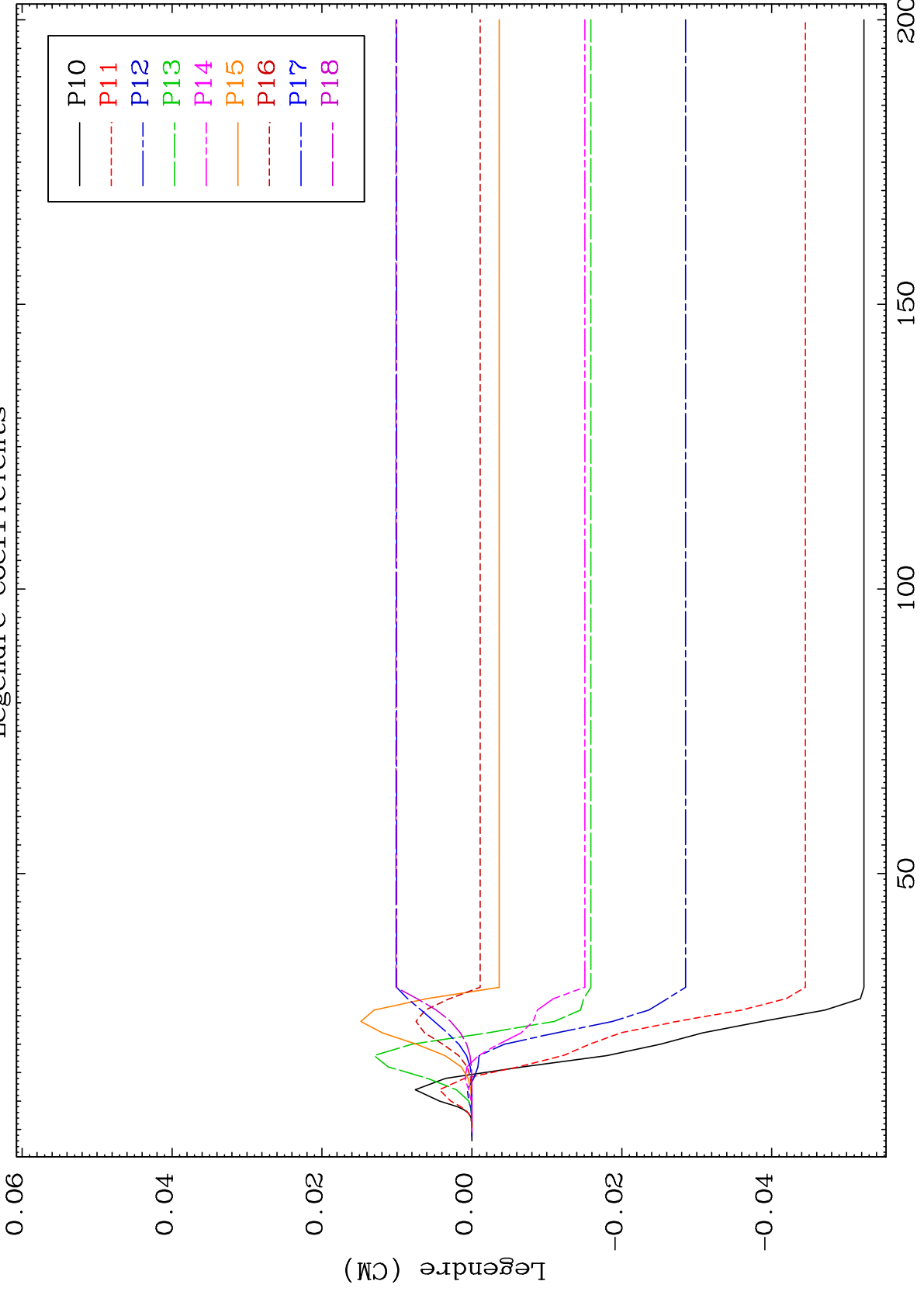


81

Incident Energy (MeV)

50-Sn-118

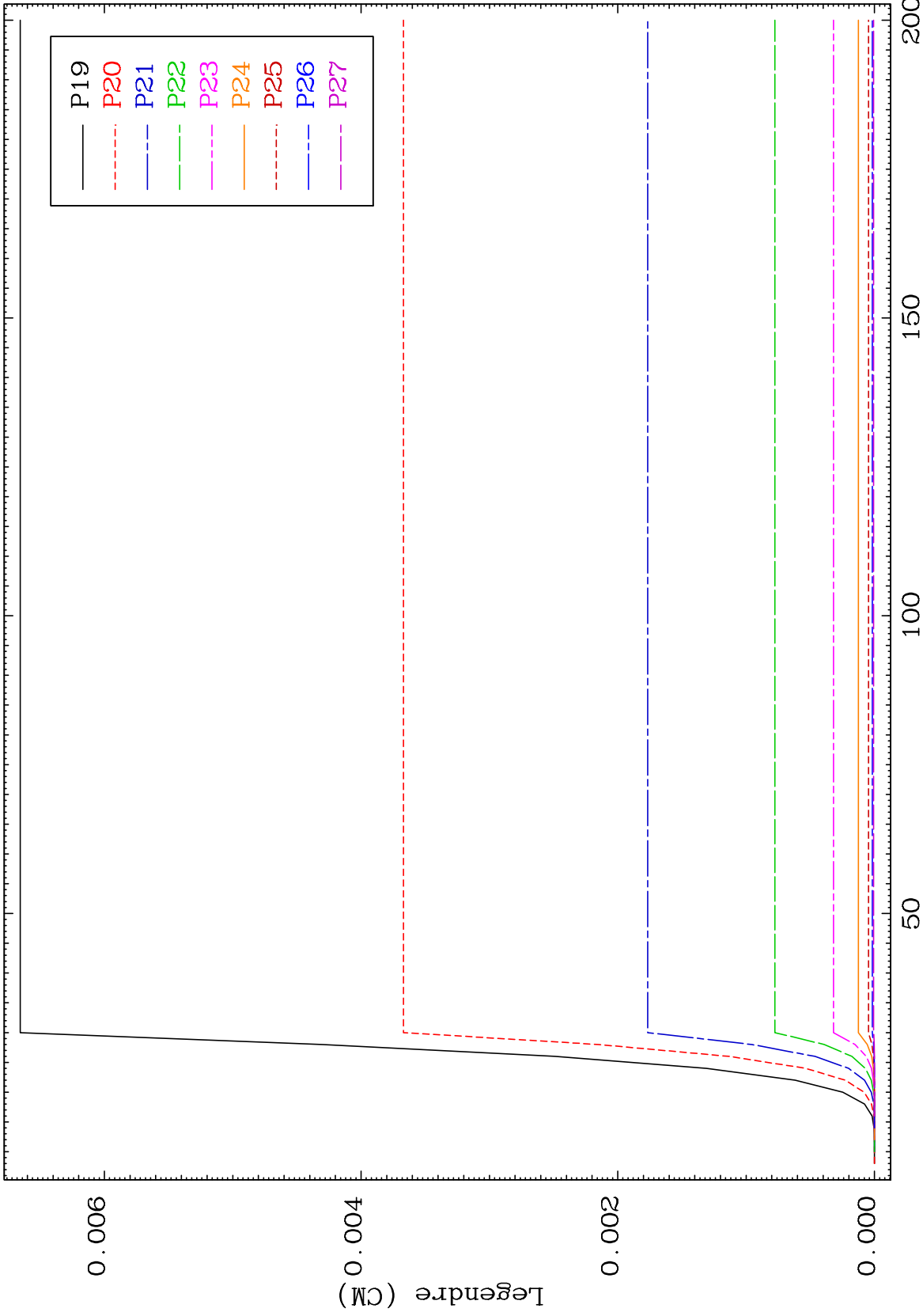
MAT 5043 MT= 67 (n,n') Level Legendre Coefficients 50-Sn-118



MAT 5043

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

50-Sn-118



83

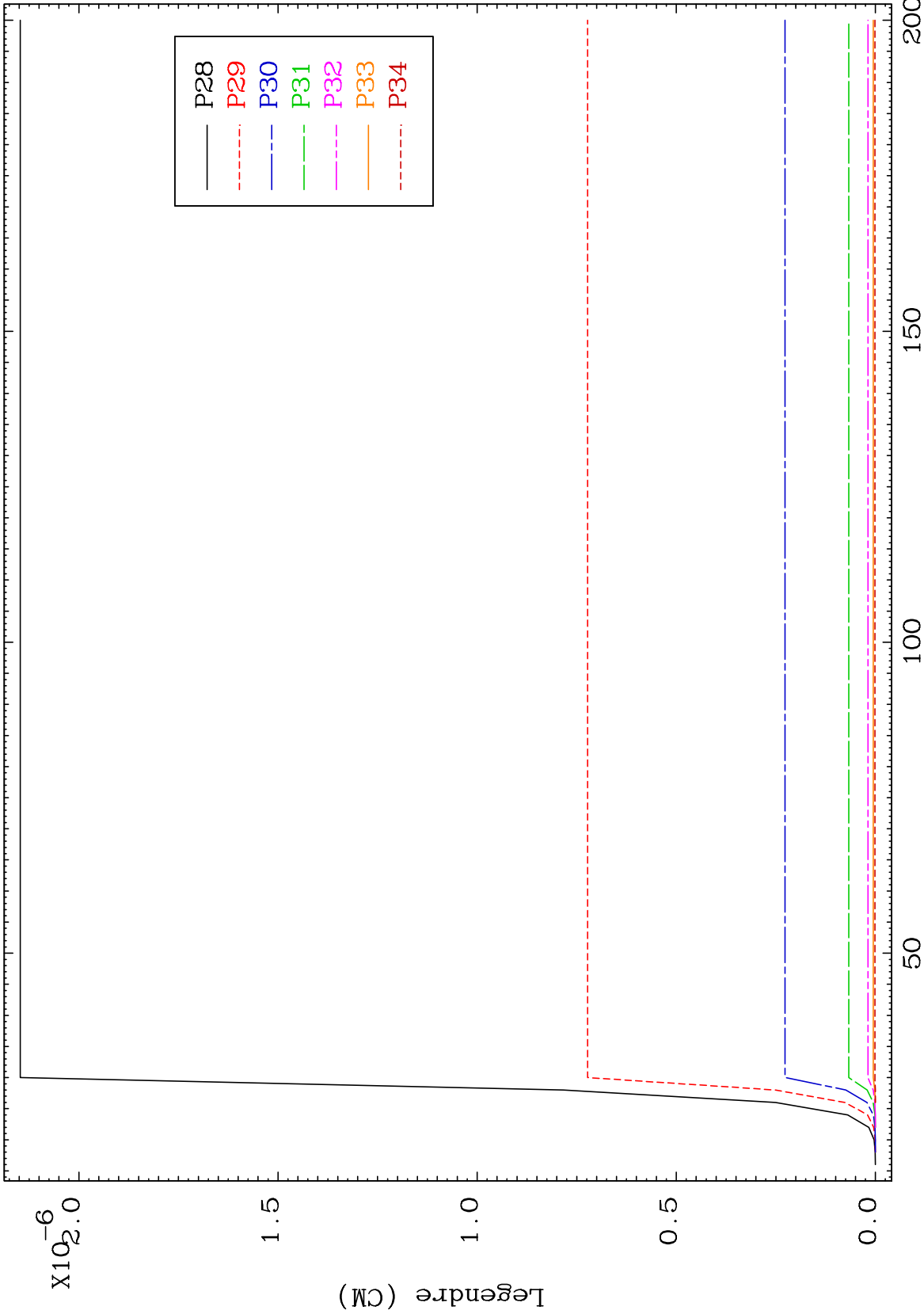
Incident Energy (MeV)

50-Sn-118

MAT 5043

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

50-Sn-118

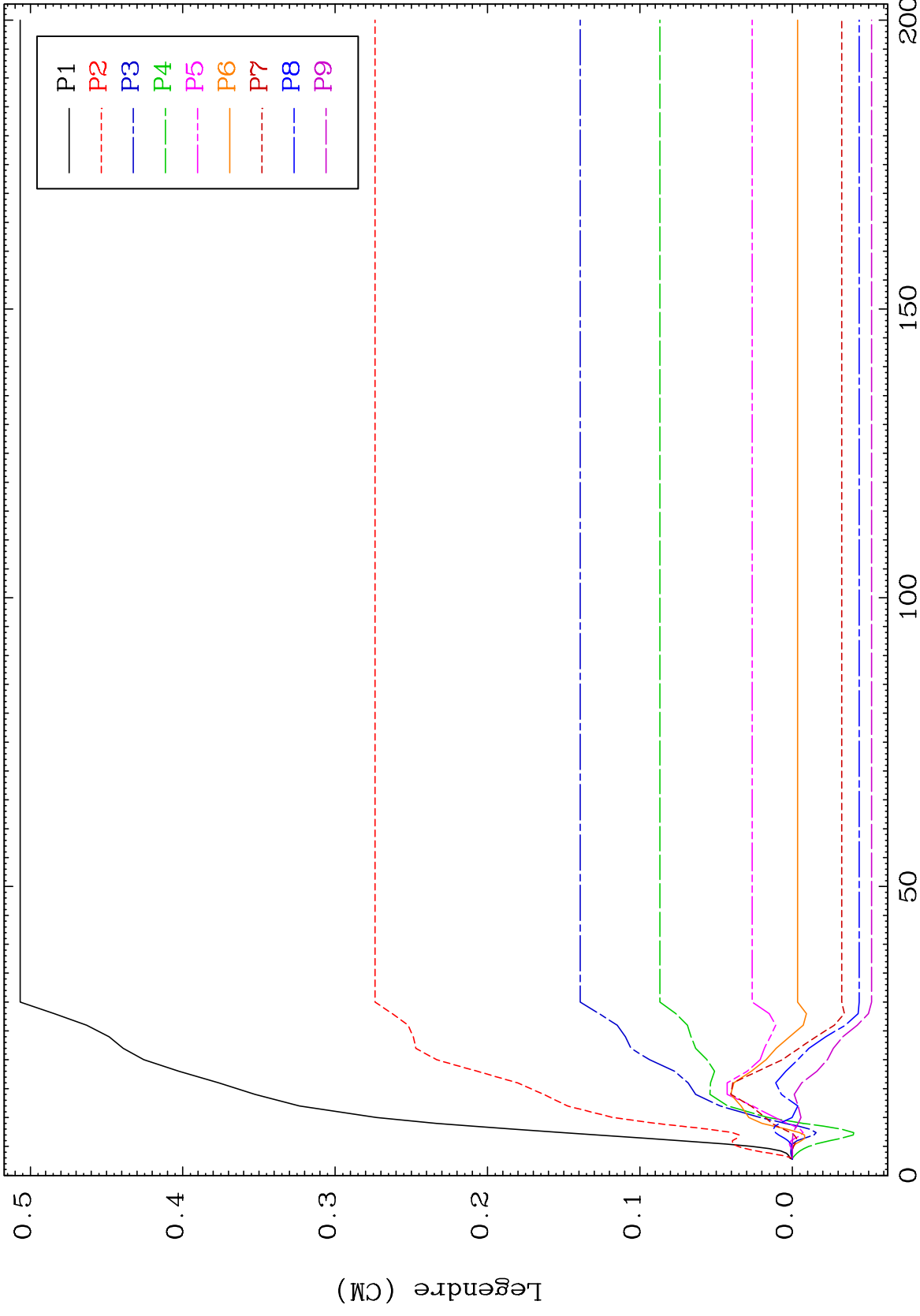


84

Incident Energy (MeV)

50-Sn-118

MAT 5043 MT= 68 (n,n') Level Legendre Coefficients 50-Sn-118

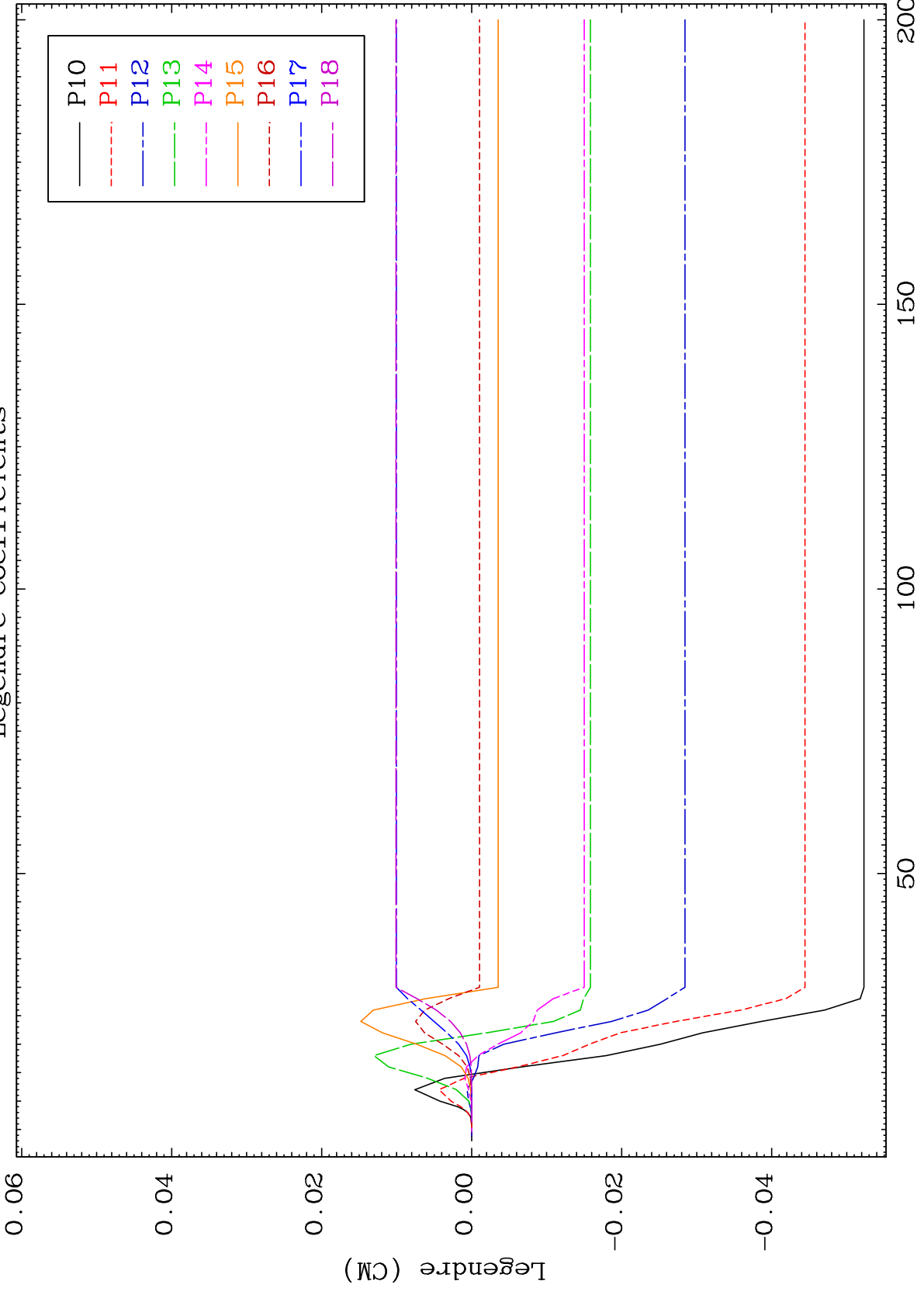


85 Incident Energy (MeV) 50-Sn-118

MAT 5043 MT= 68 (n,n') Level Legendre Coefficients

50-Sn-118

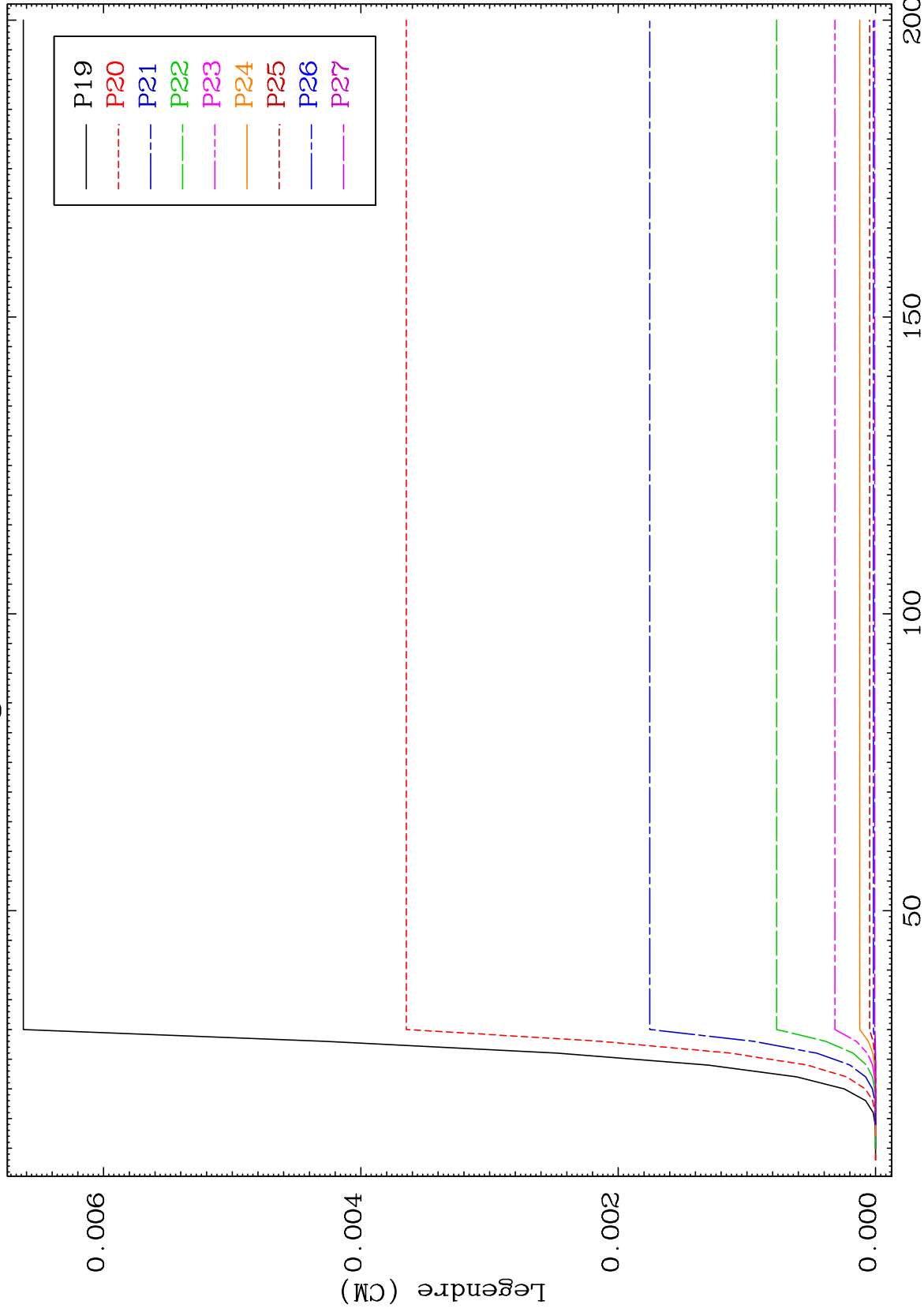
50-Sn-118



MAT 5043

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

50-Sn-118



87

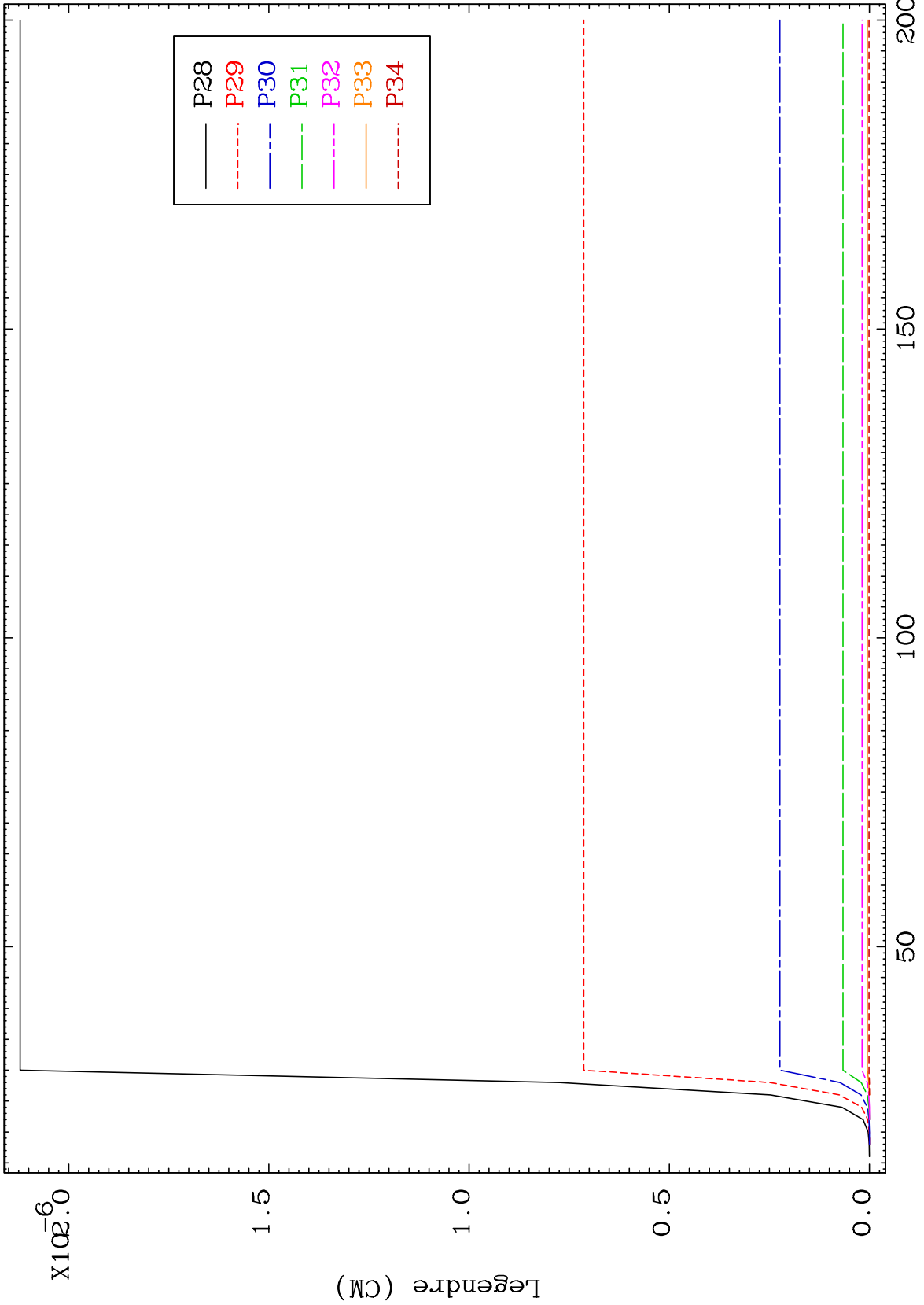
Incident Energy (MeV)

50-Sn-118

MAT 5043

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

50-Sn-118



88

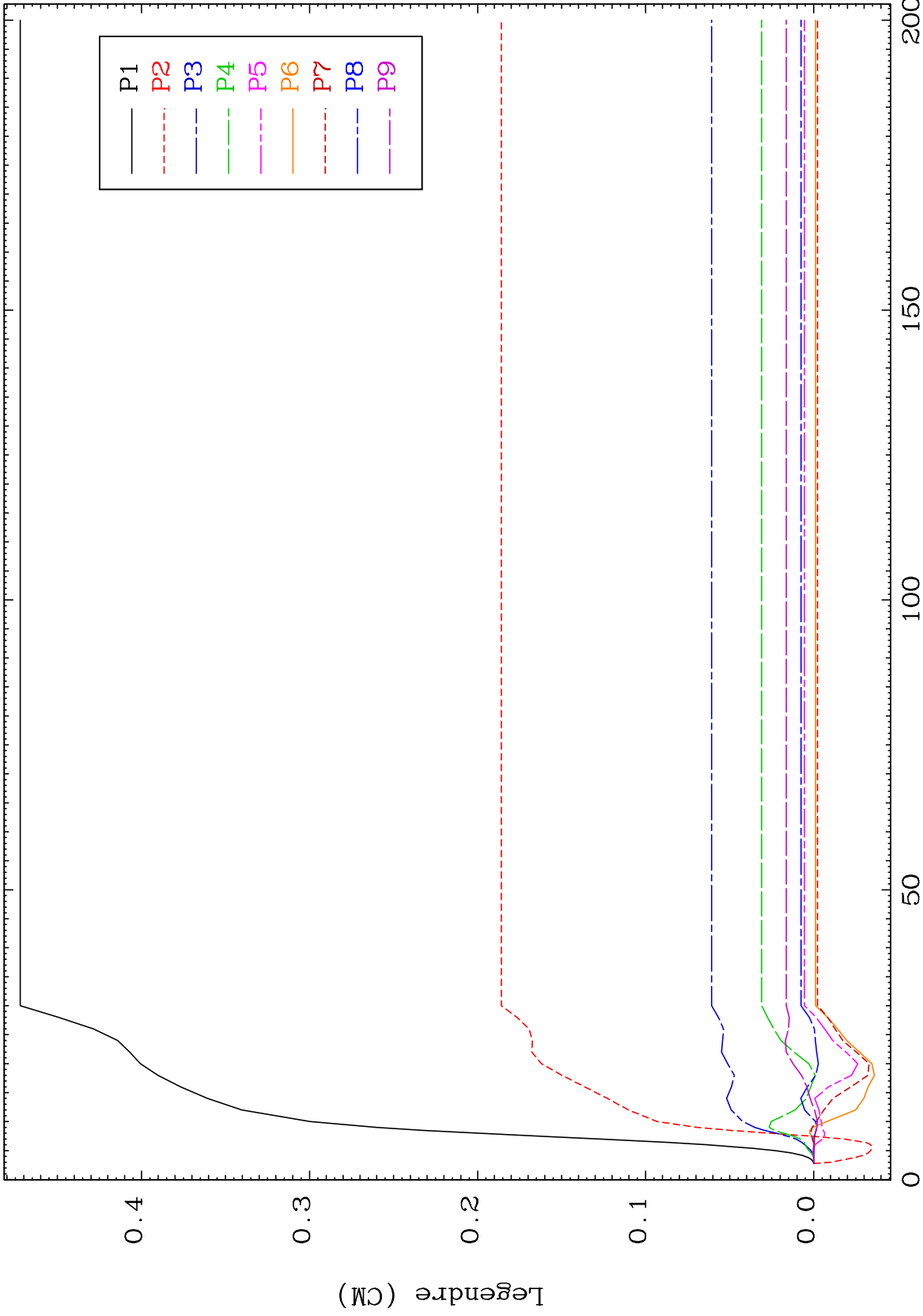
Incident Energy (MeV)

50-Sn-118

MAT 5043

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

50-Sn-118



89

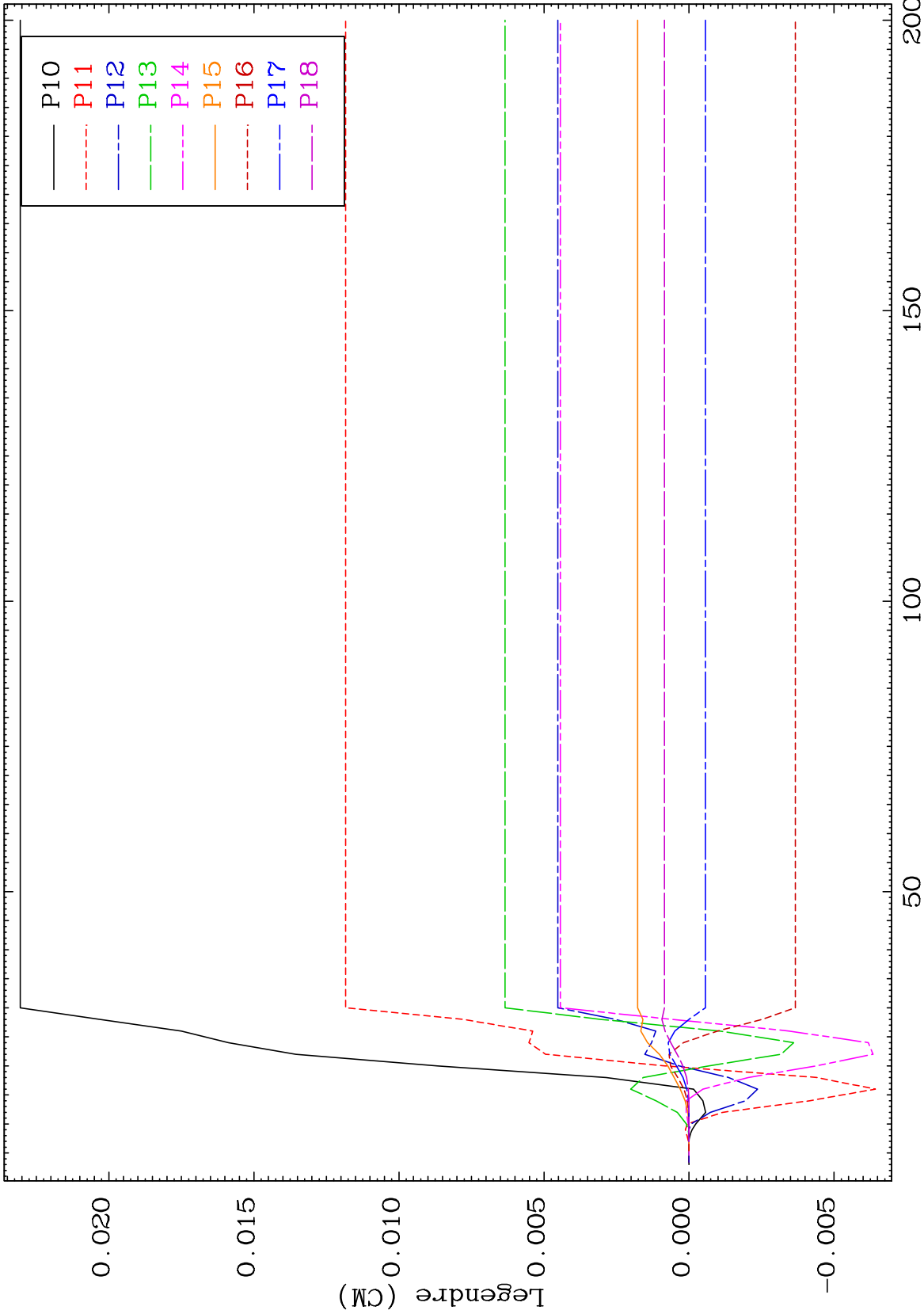
Incident Energy (MeV)

50-Sn-118

MAT 5043

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

50-Sn-118



90

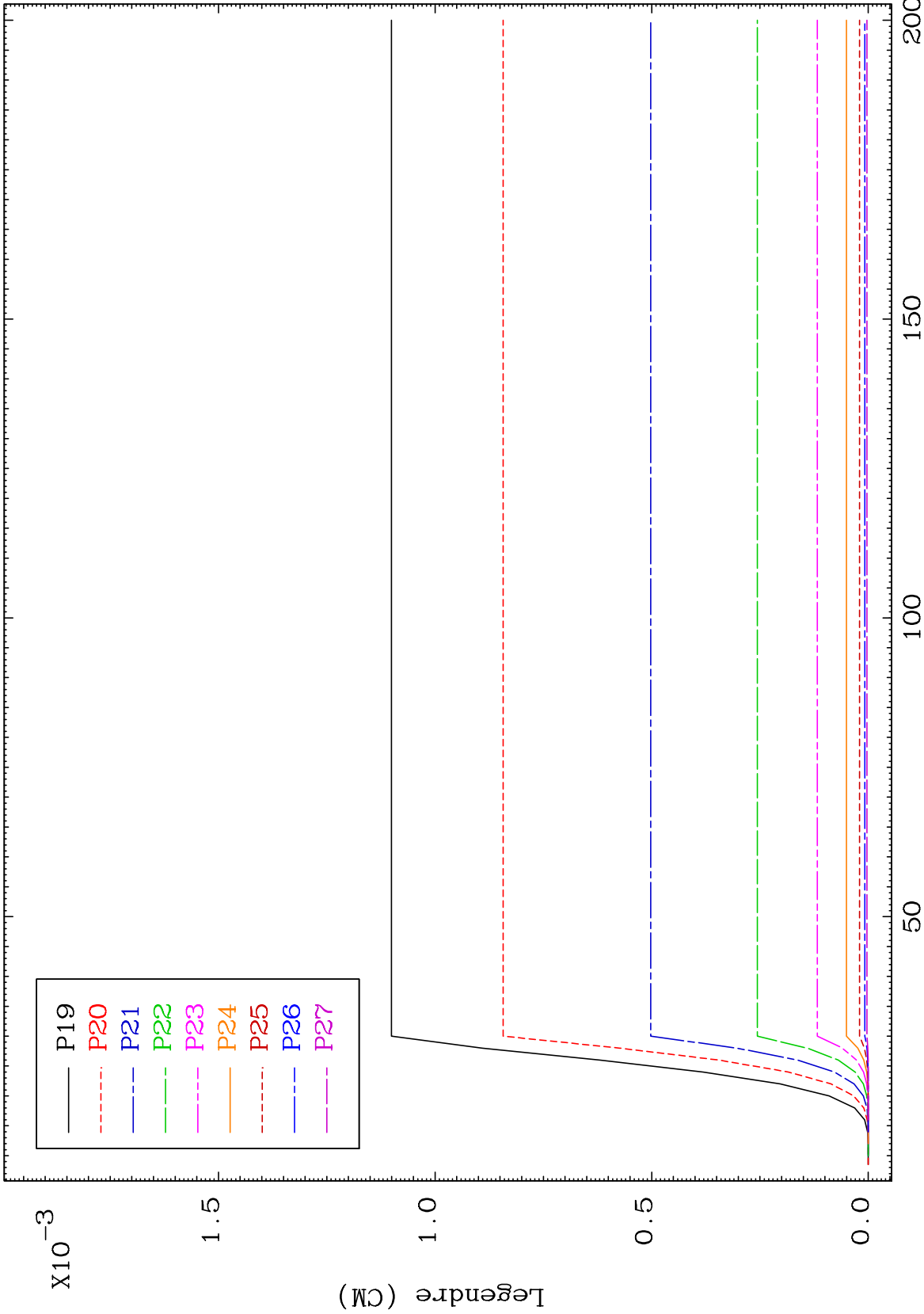
Incident Energy (MeV)

50-Sn-118

MAT 5043

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

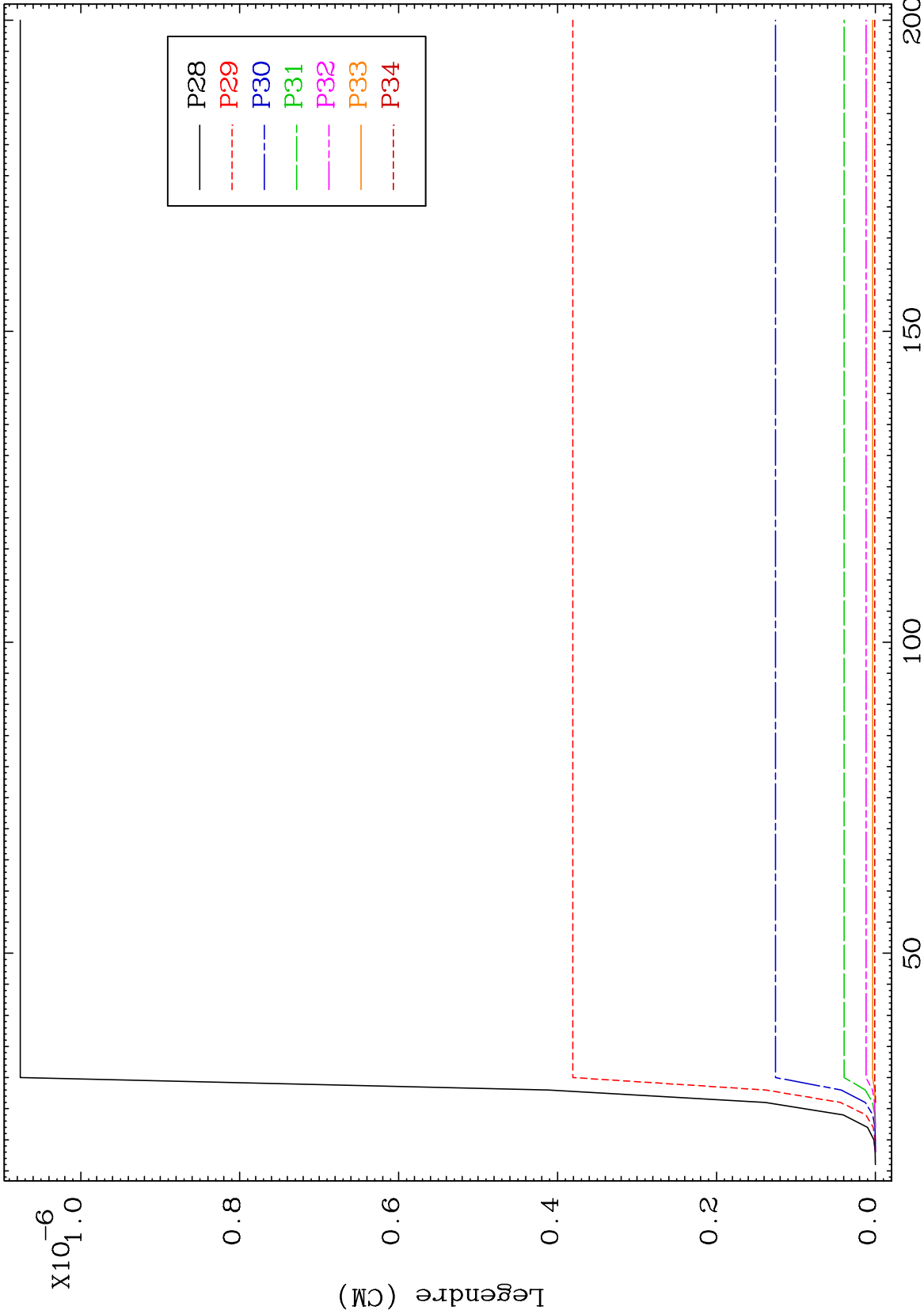
50-Sn-118



MAT 5043

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

50-Sn-118

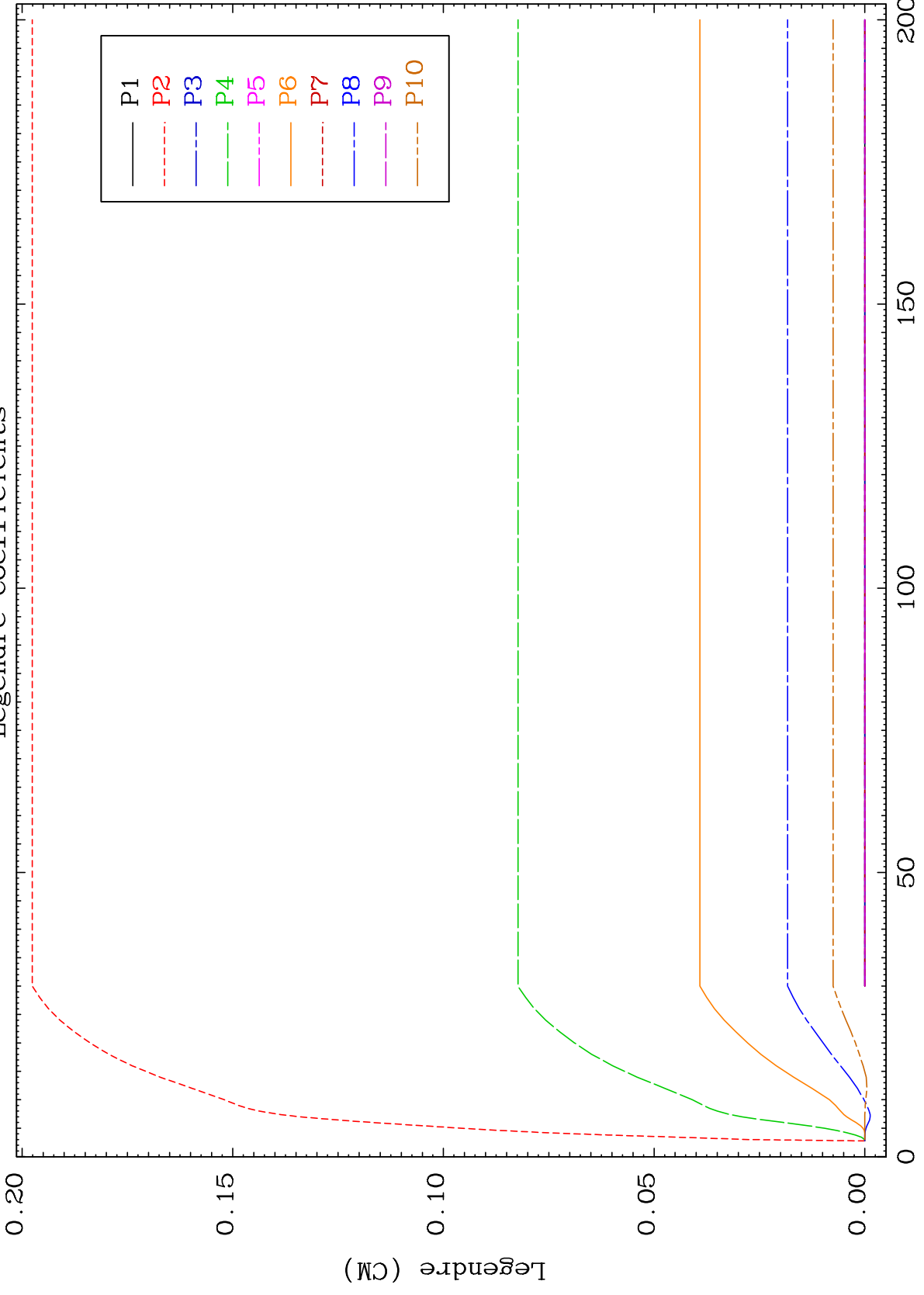


92

Incident Energy (MeV)

50-Sn-118

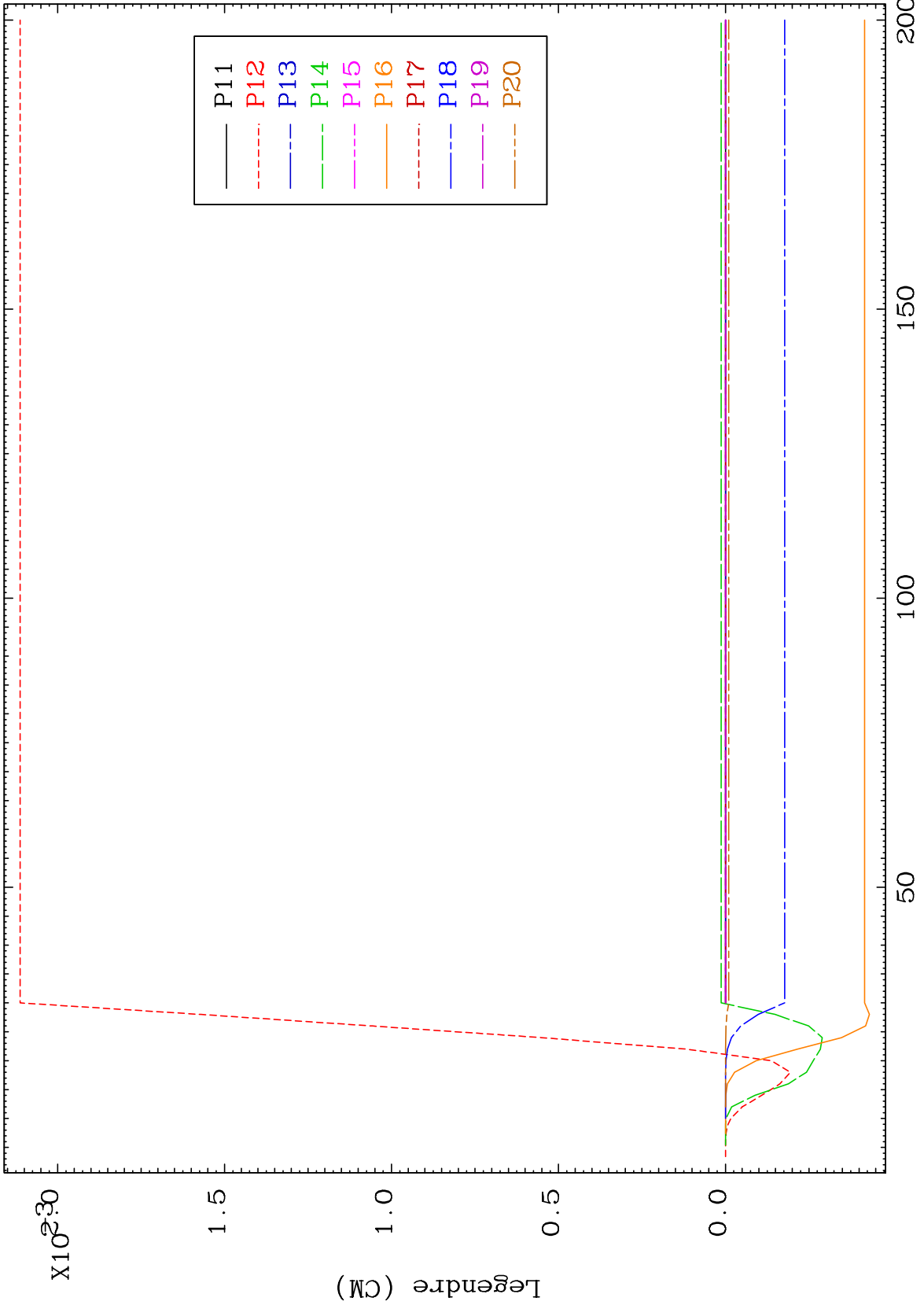
MAT 5043 MT= 70 (n,n') Level Legendre Coefficients 50-Sn-118



MAT 5043

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

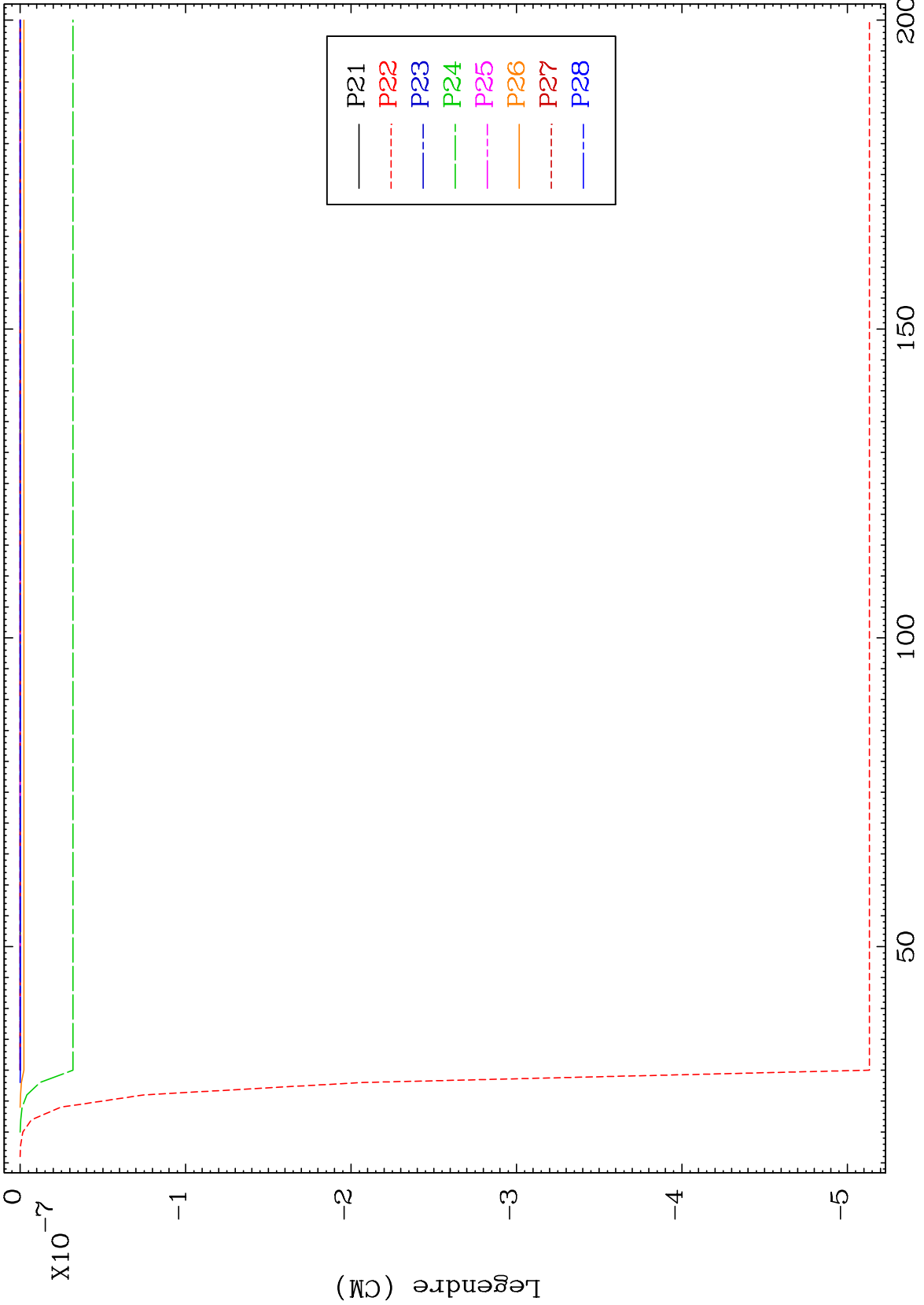
50-Sn-118



94

50-Sn-118

MAT 5043 MT= 70 (n,n') Level Legendre Coefficients 50-Sn-118

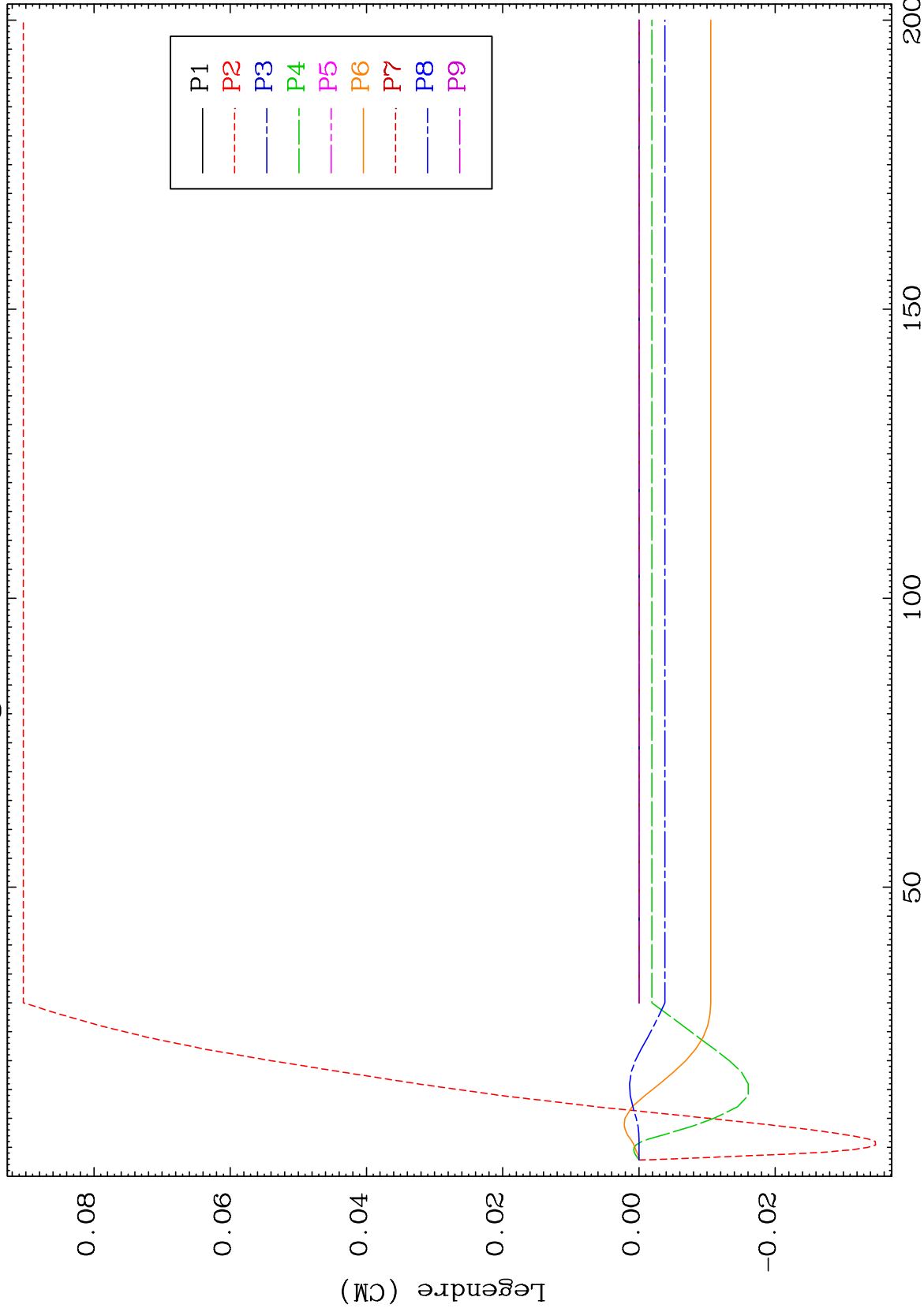


95 Incident Energy (MeV) 50-Sn-118

MAT 5043

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

50-Sn-118



96

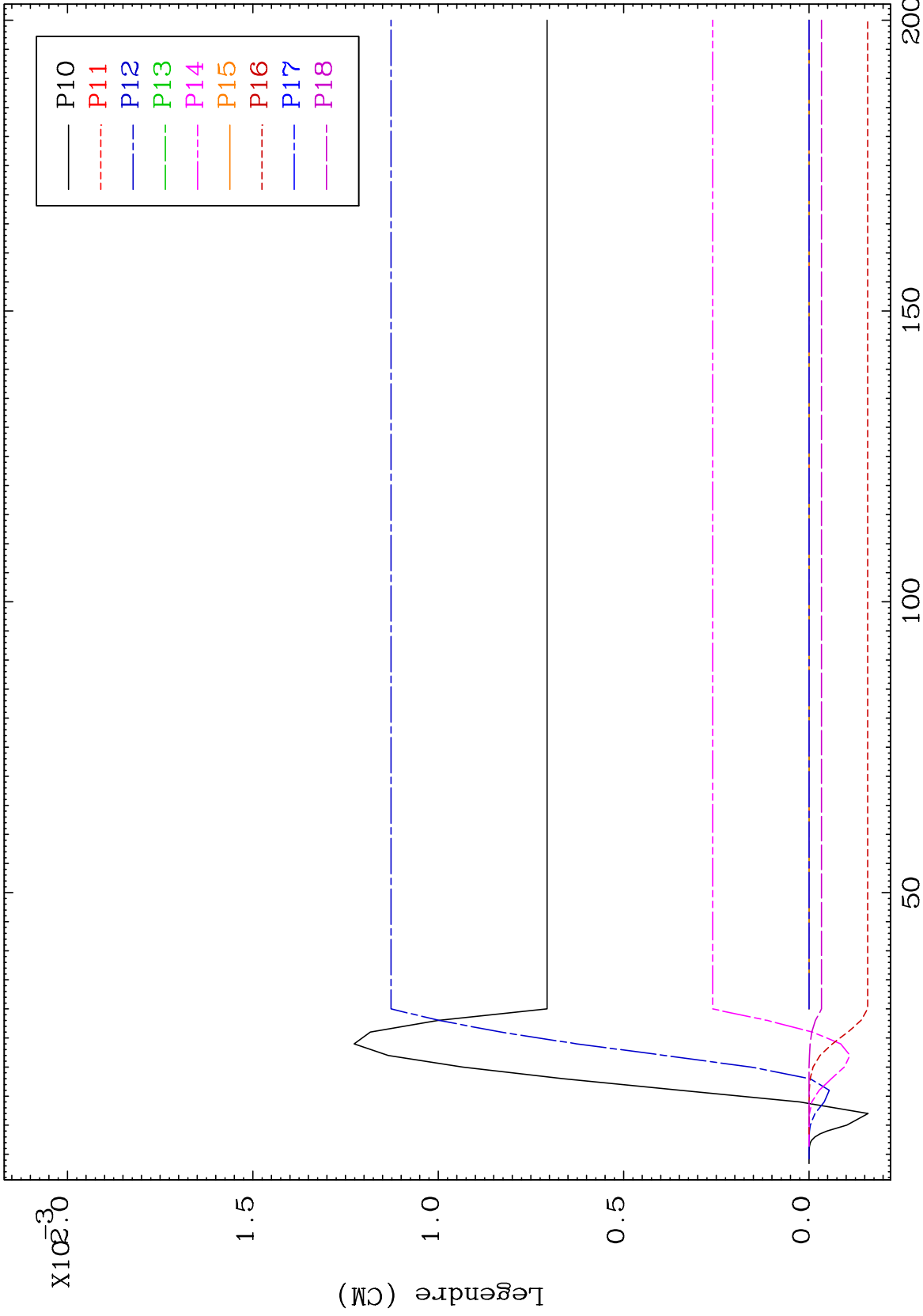
Incident Energy (MeV)

50-Sn-118

MAT 5043

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

50-Sn-118



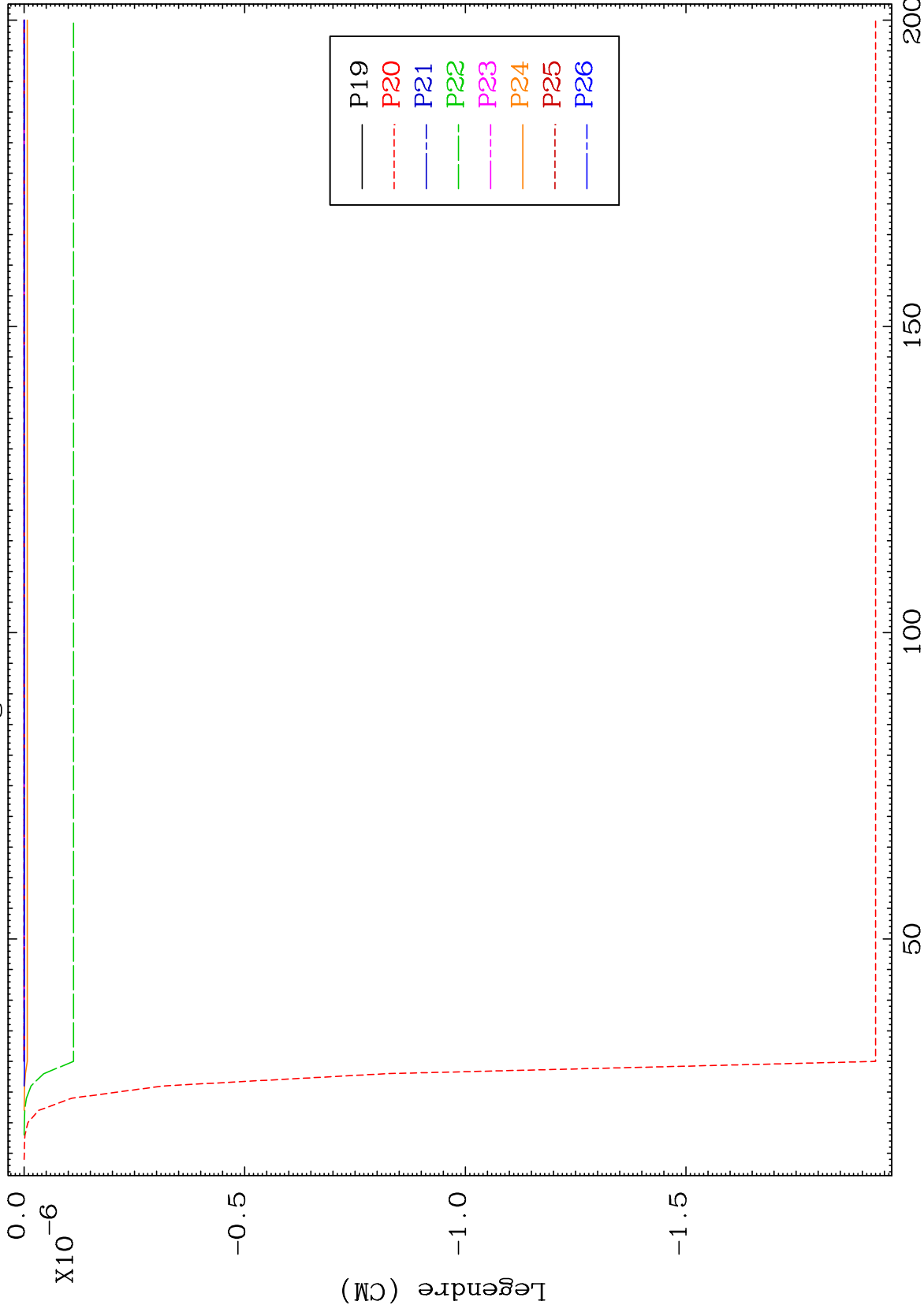
97

50-Sn-118

MAT 5043

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

50-Sn-118



50-Sn-118

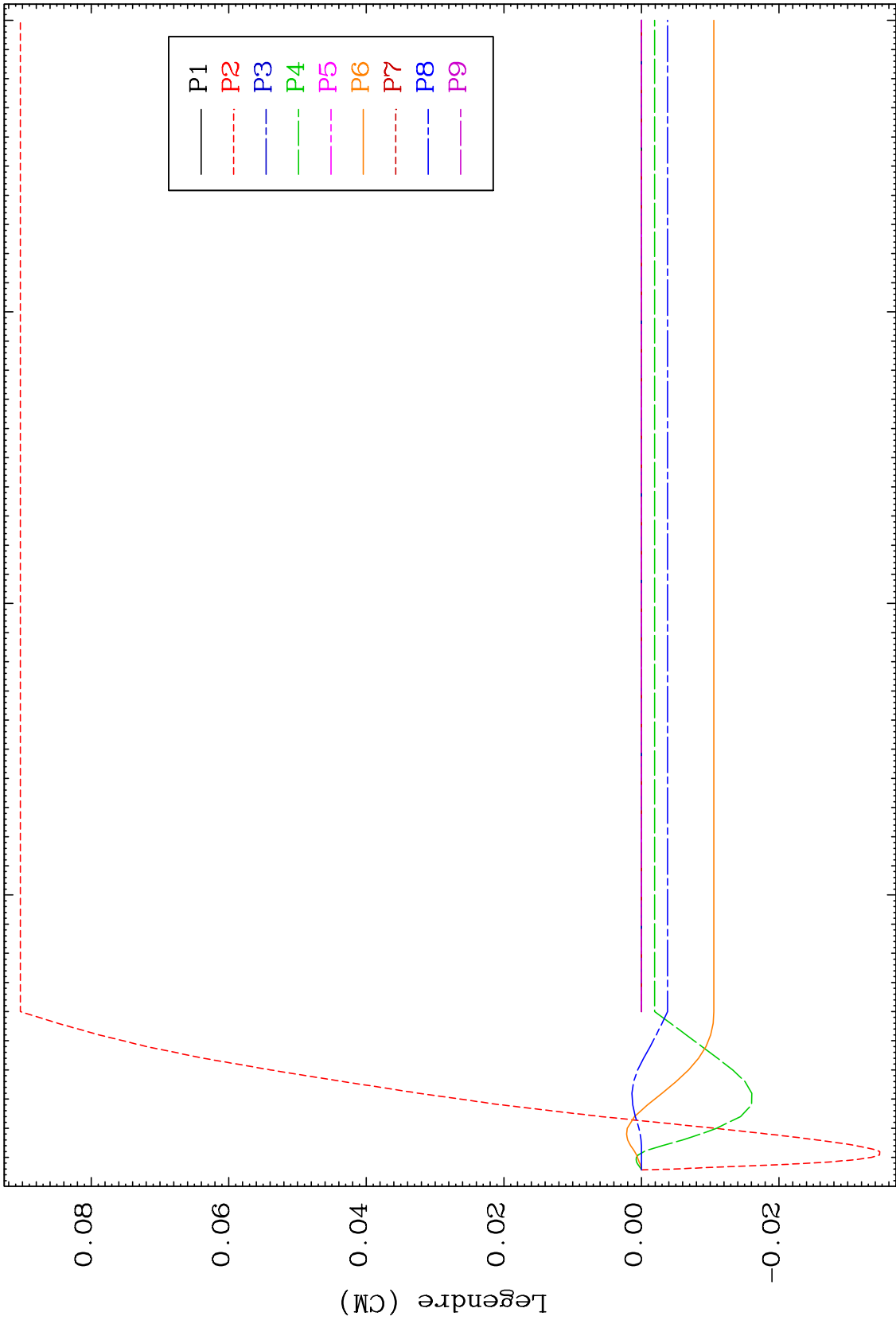
Incident Energy (MeV)

98

MAT 5043

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

50-Sn-118



99

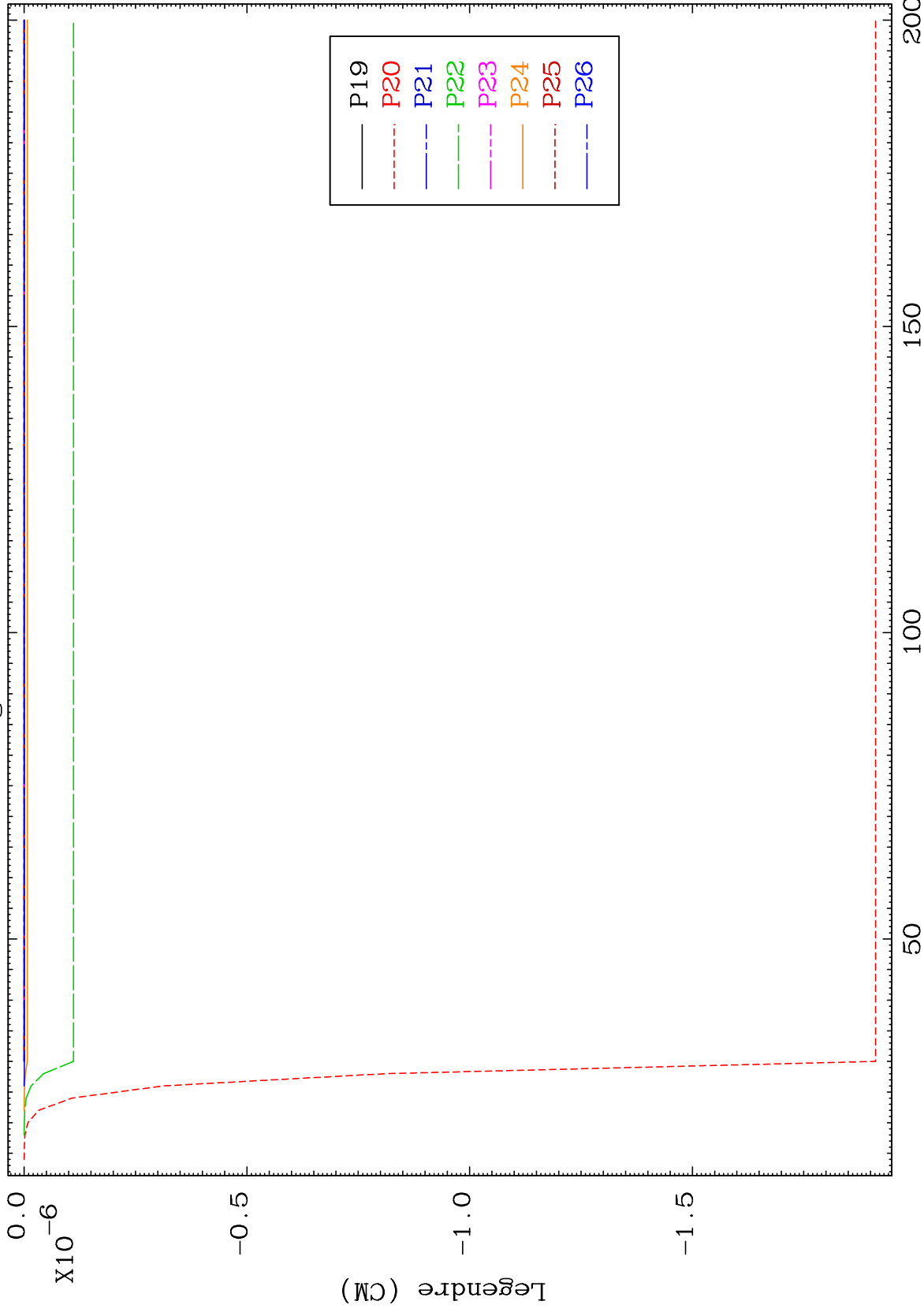
Incident Energy (MeV)

50-Sn-118

MAT 5043

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

50-Sn-118



50-Sn-118

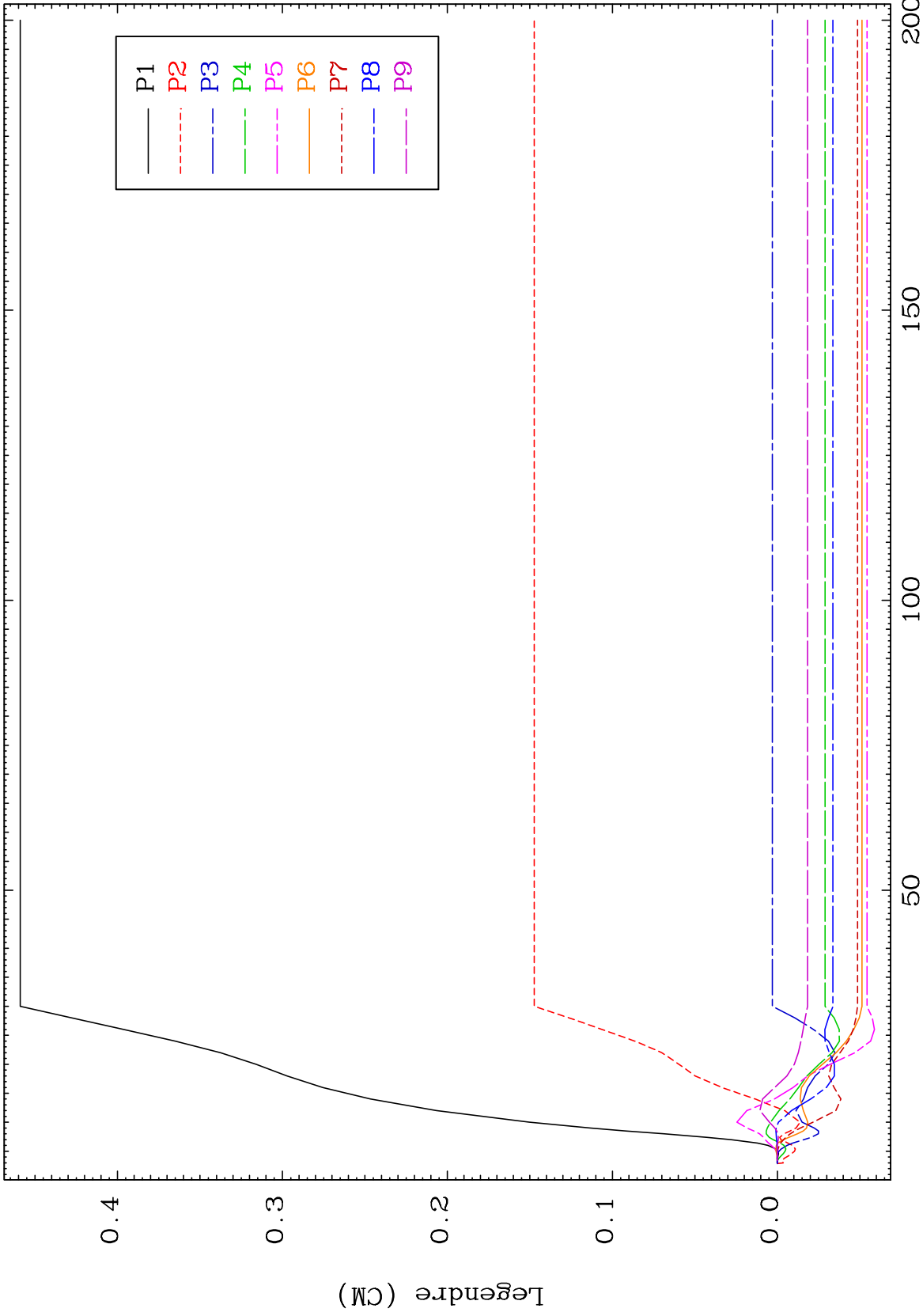
Incident Energy (MeV)

101

MAT 5043

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

50-Sn-118



102

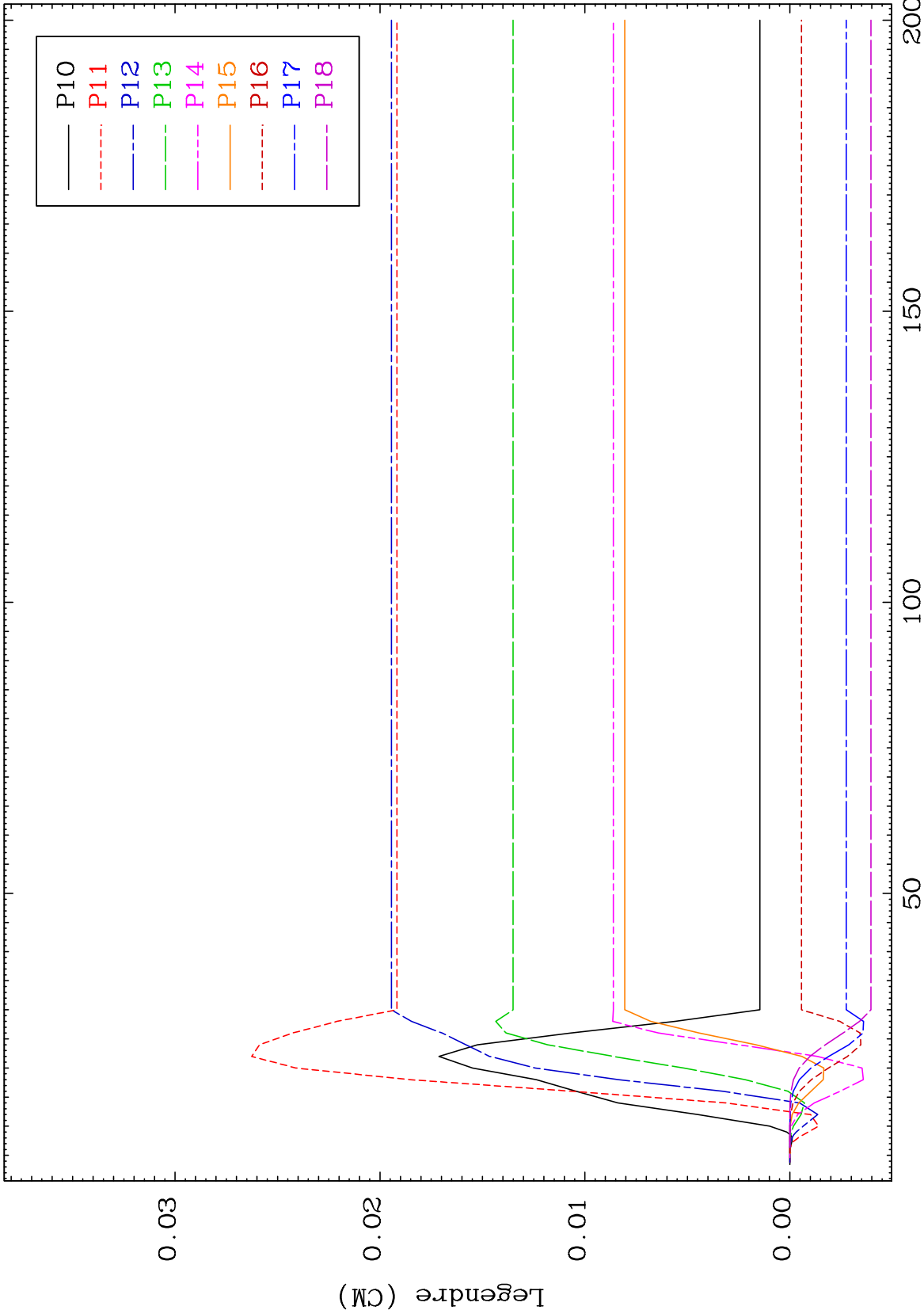
Incident Energy (MeV)

50-Sn-118

MAT 5043

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

50-Sn-118

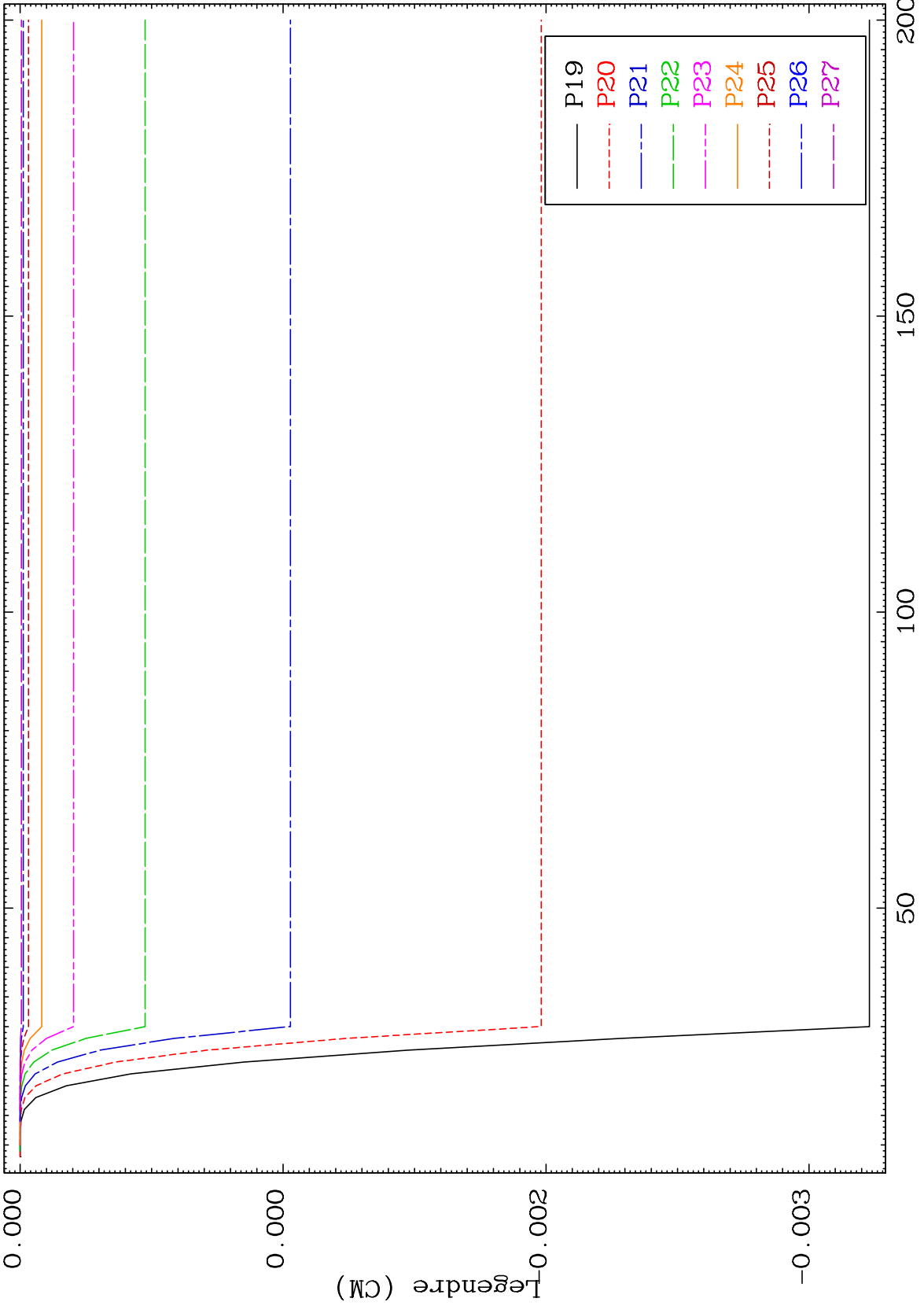


103

Incident Energy (MeV)

50-Sn-118

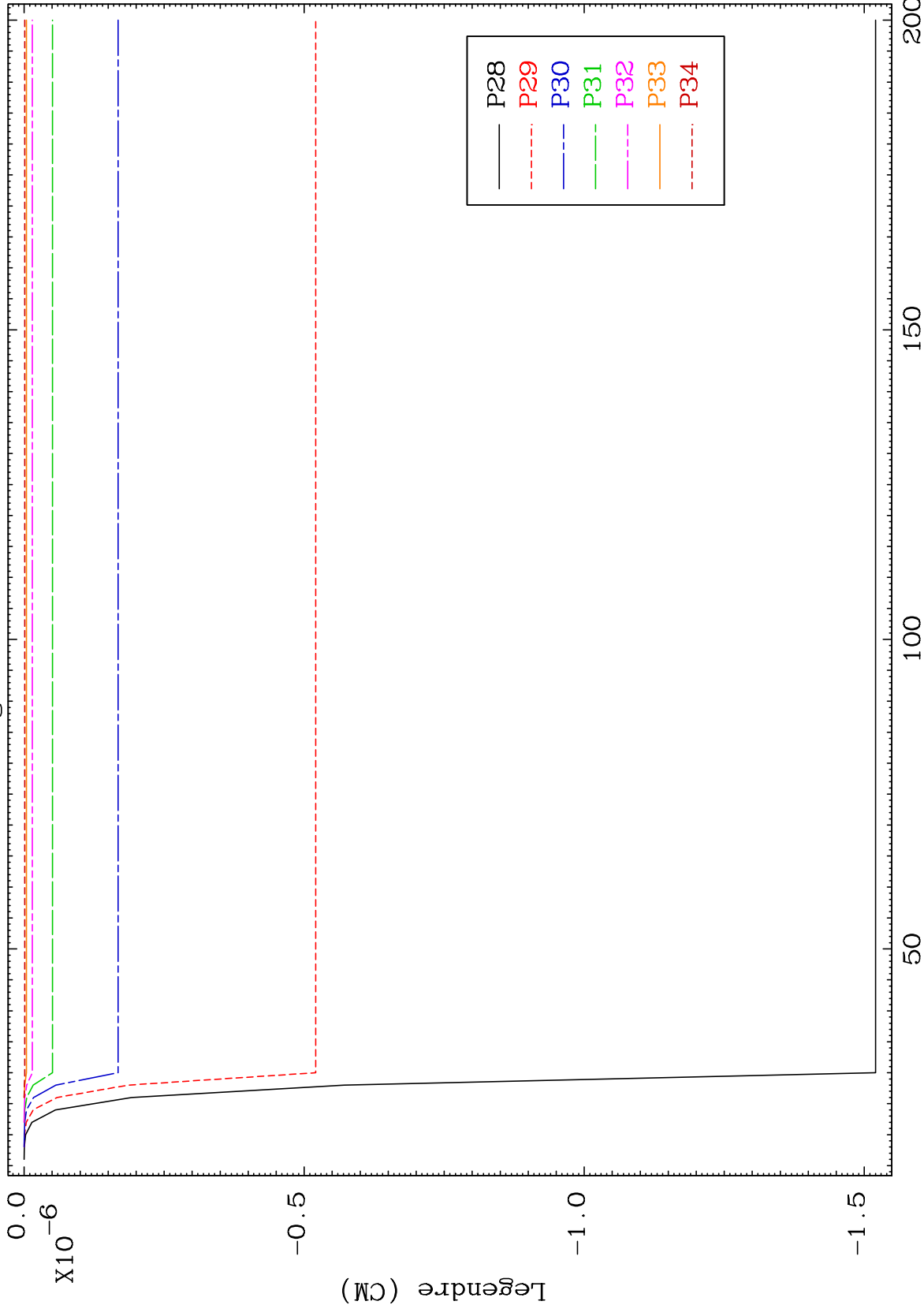
MAT 5043 MT= 73 (n,n') Level Legendre Coefficients 50-Sn-118



MAT 5043

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

50-Sn-118

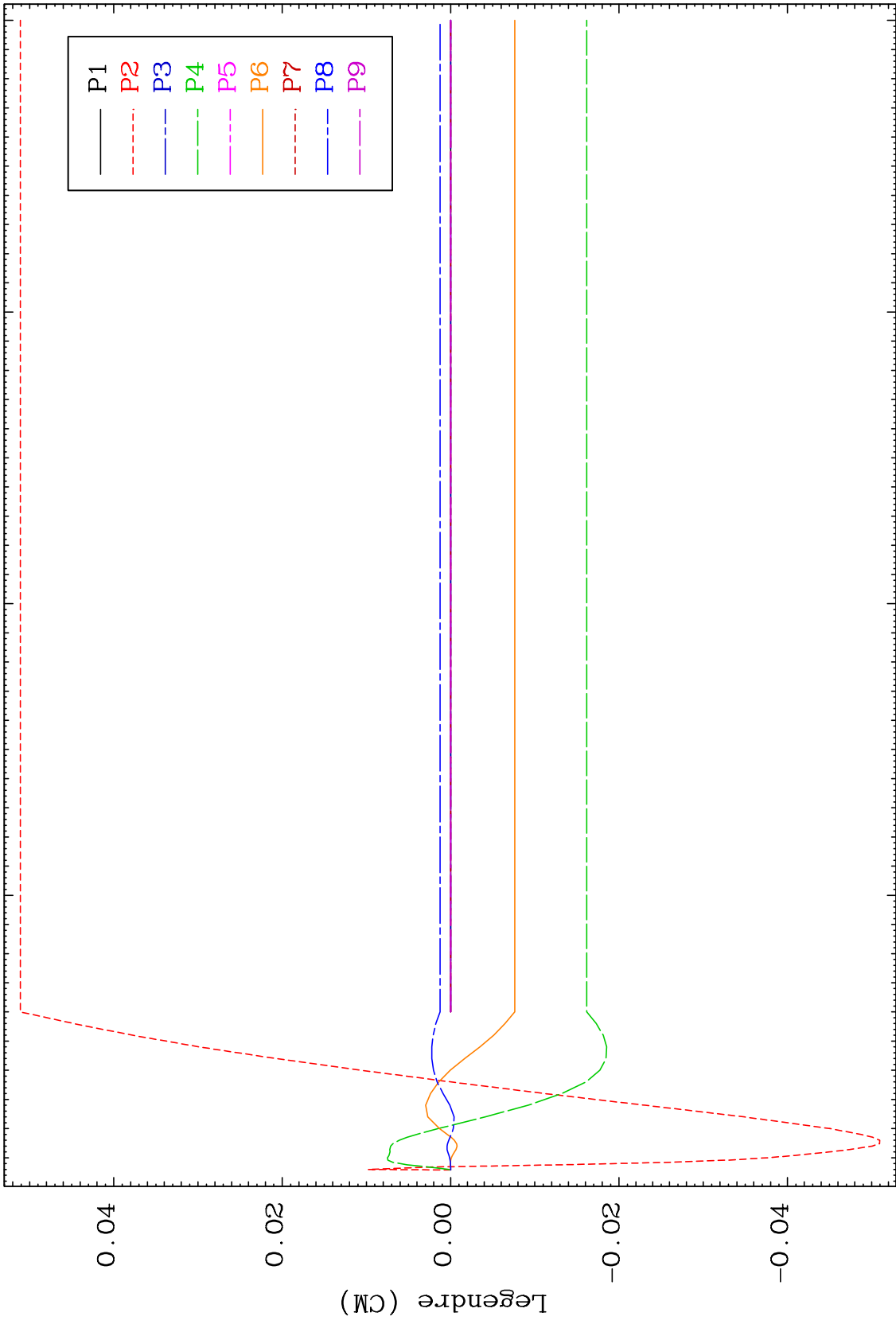


50-Sn-118

Incident Energy (MeV)

105

MAT 5043 MT= 74 (n,n') Level Legendre Coefficients 50-Sn-118

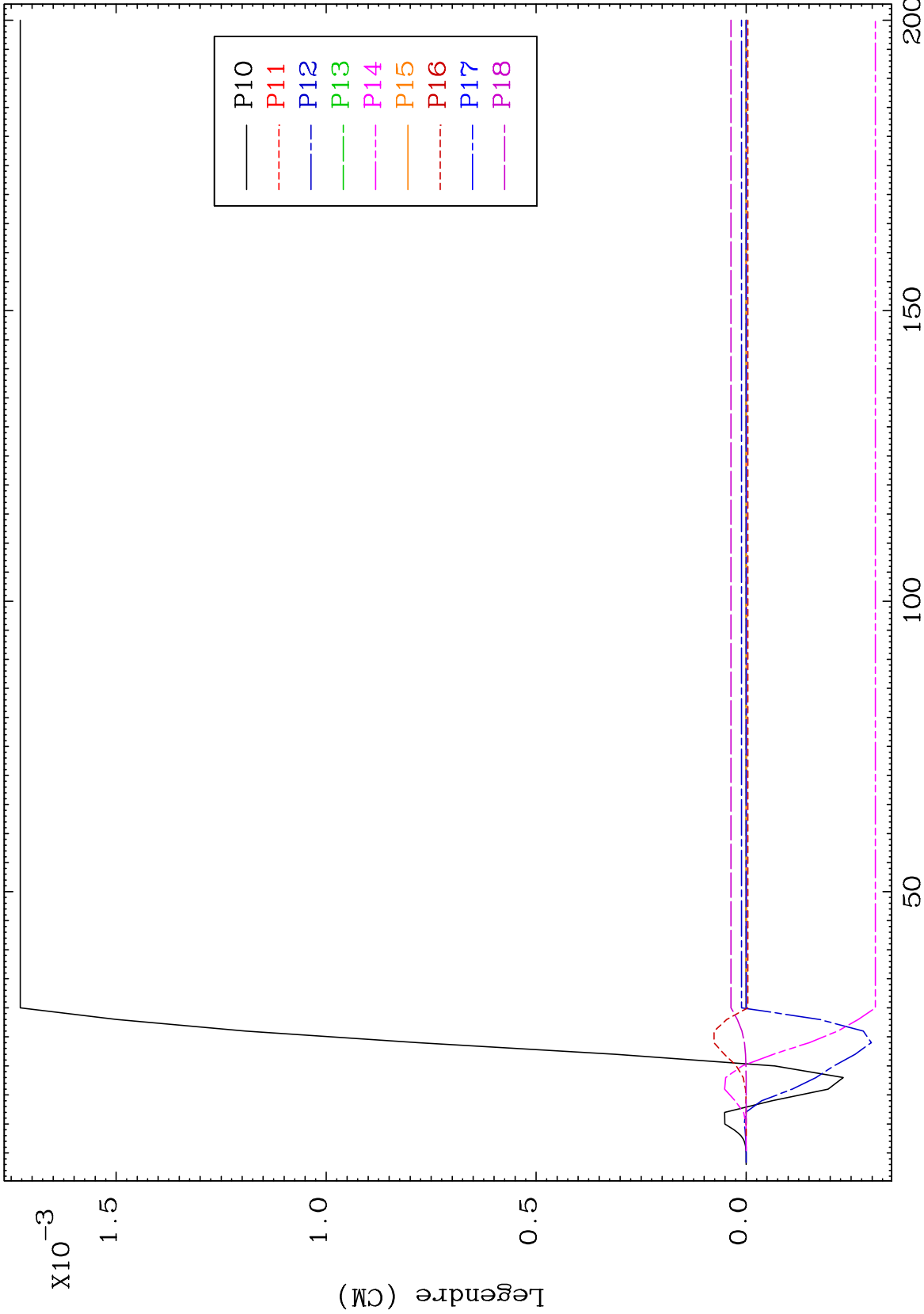


106 Incident Energy (MeV) 50-Sn-118

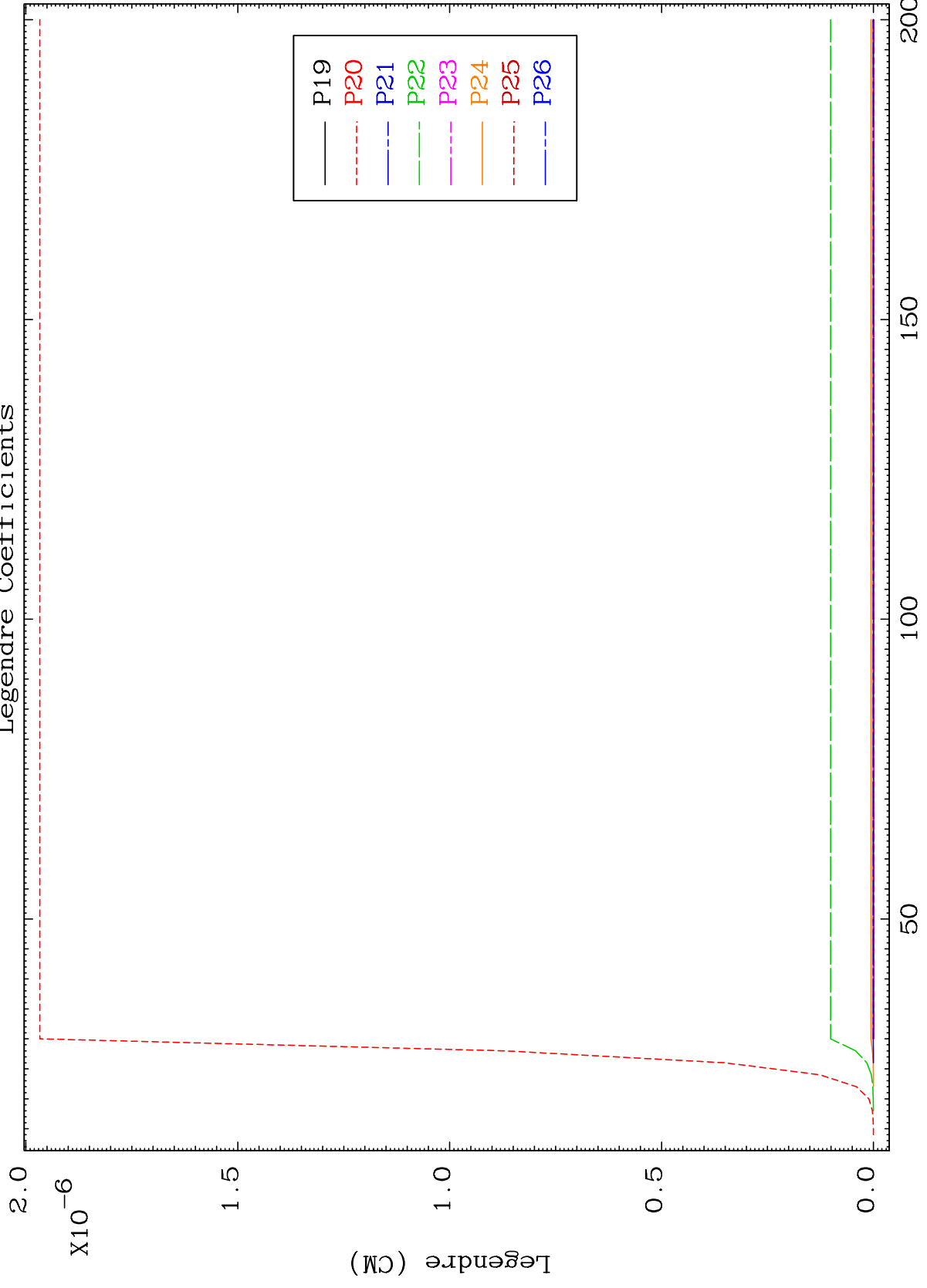
MAT 5043

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

50-Sn-118



MAT 5043 MT= 74 (n,n') Level Legendre Coefficients 50-Sn-118

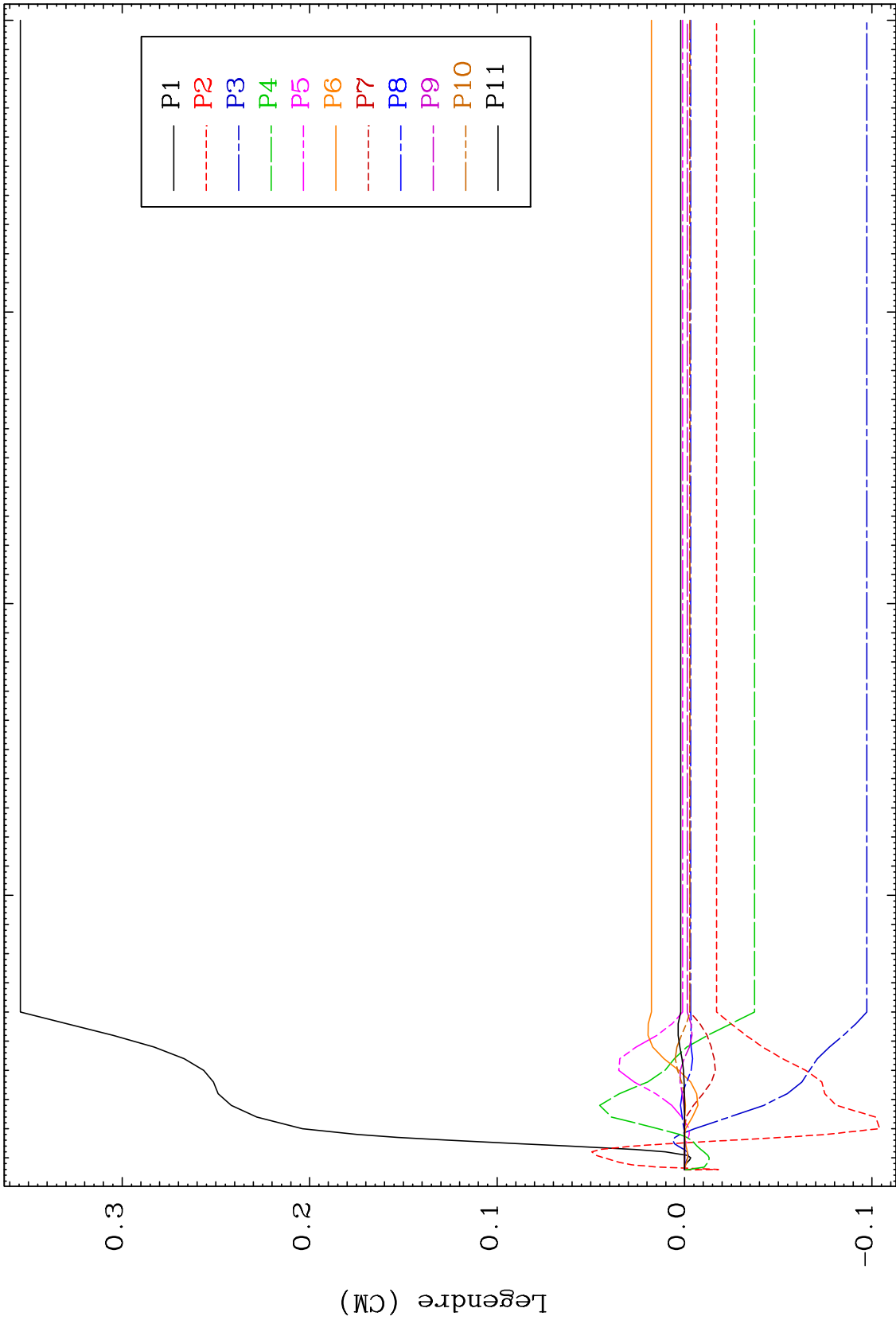


108 50 100 150 200 Incident Energy (MeV) 50-Sn-118

MAT 5043

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

50-Sn-118



109

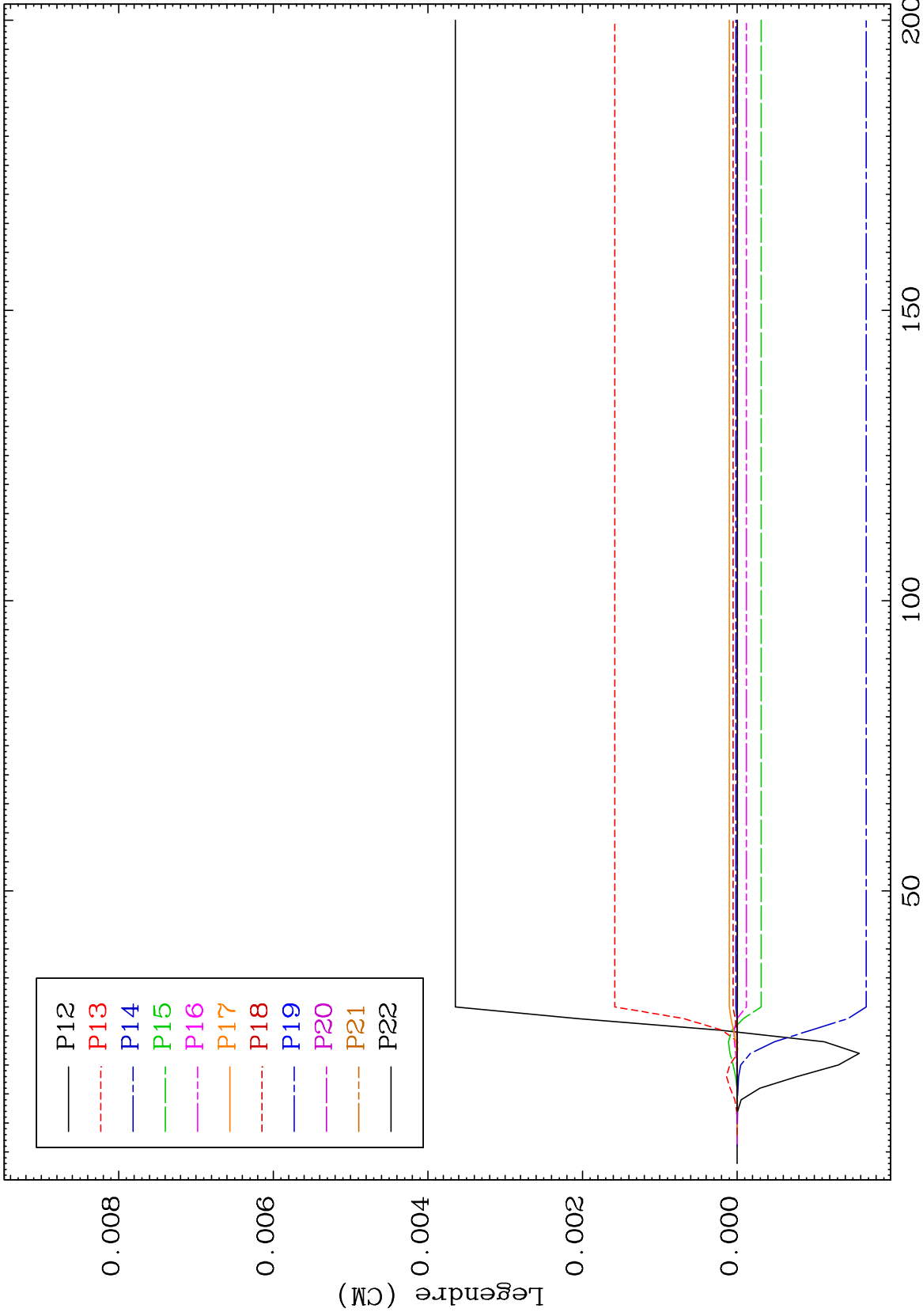
Incident Energy (MeV)

50-Sn-118

MAT 5043

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

50-Sn-118

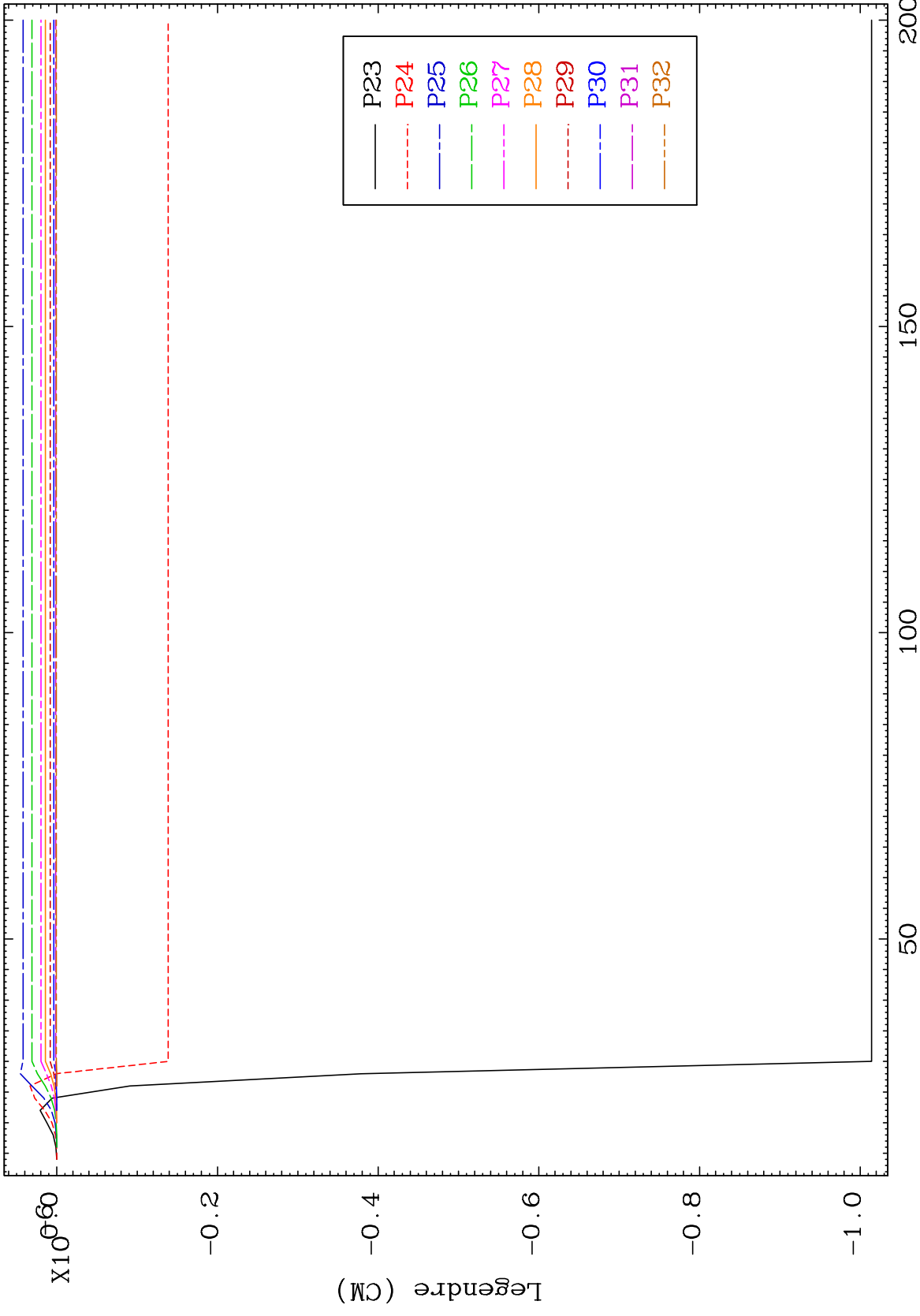


110

Incident Energy (MeV)

50-Sn-118

MAT 5043 MT= 75 (n,n') Level Legendre Coefficients 50-Sn-118

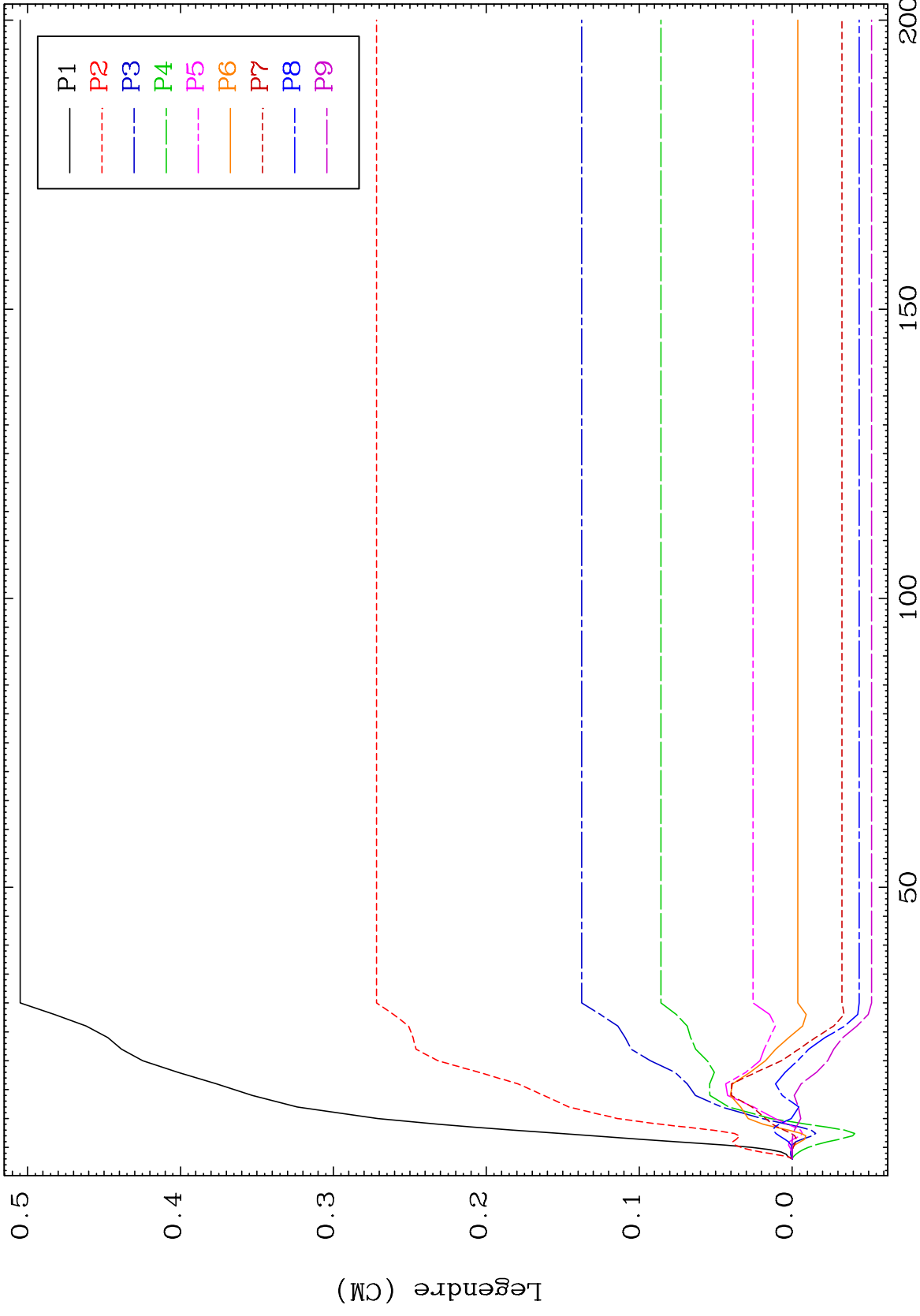


111 Incident Energy (MeV) 50-Sn-118

MAT 5043

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

50-Sn-118

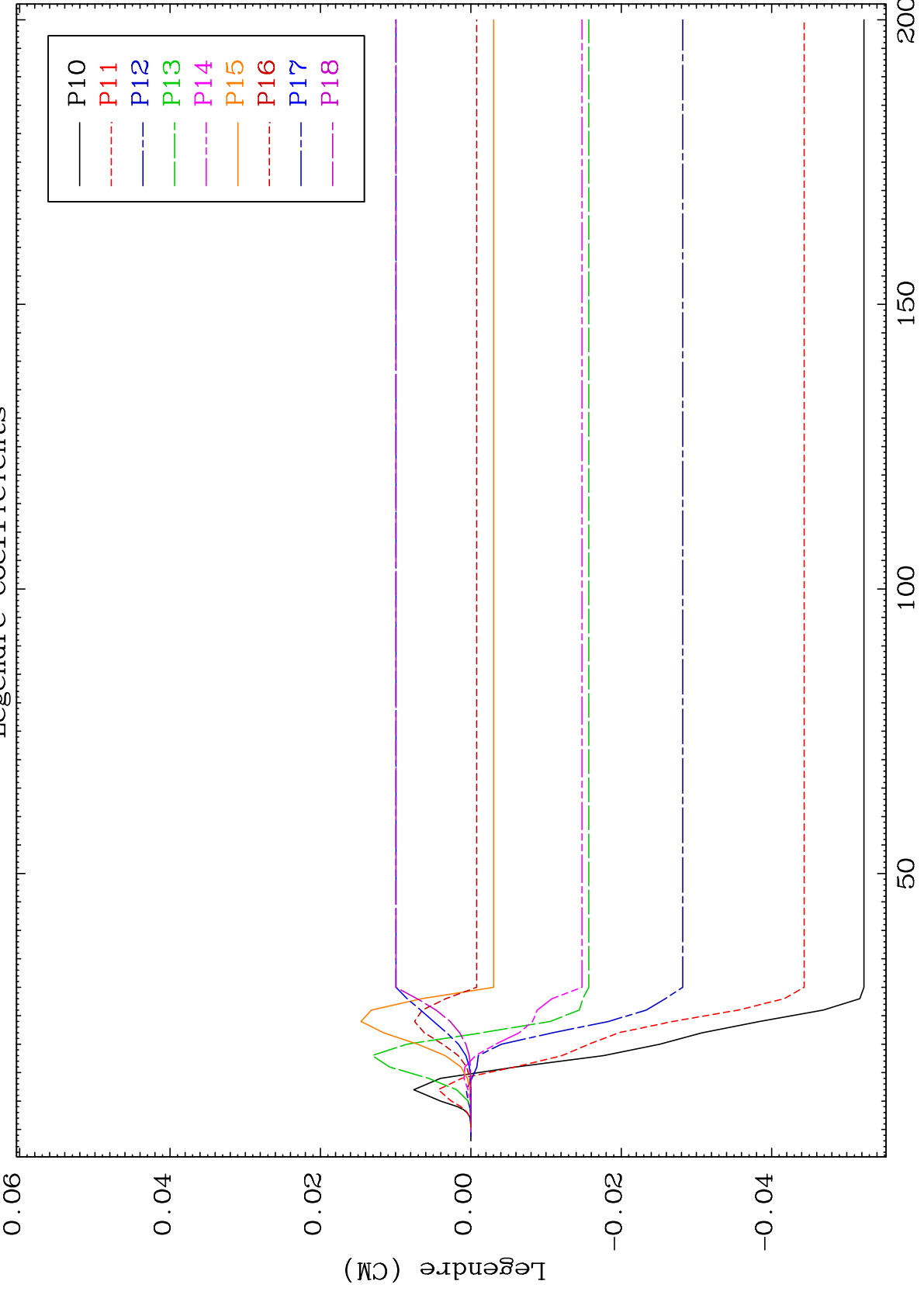


112

Incident Energy (MeV)

50-Sn-118

MAT 5043 MT= 76 (n,n') Level Legendre Coefficients 50-Sn-118



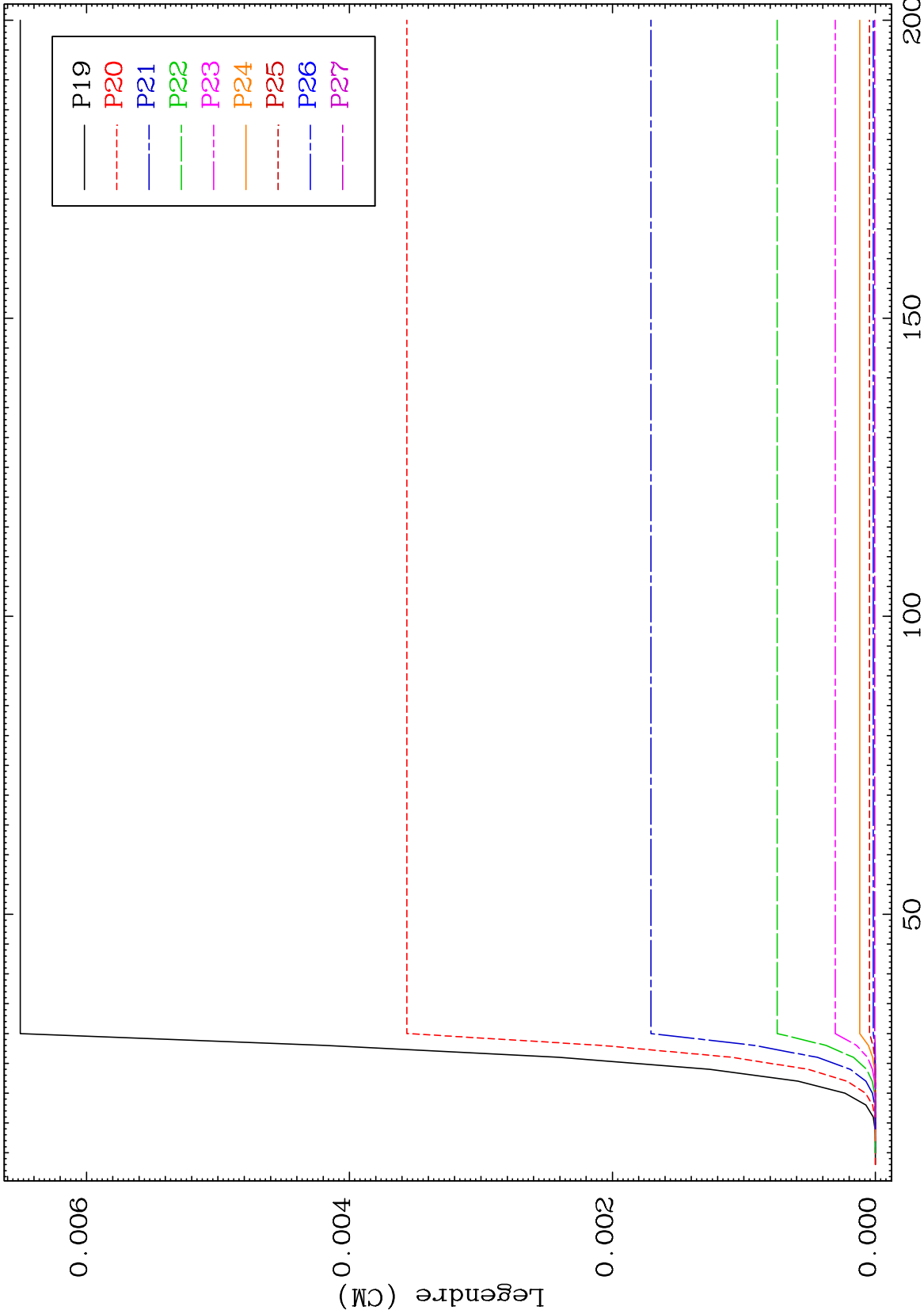
50-Sn-118

Incident Energy (MeV)

MAT 5043

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

50-Sn-118



114

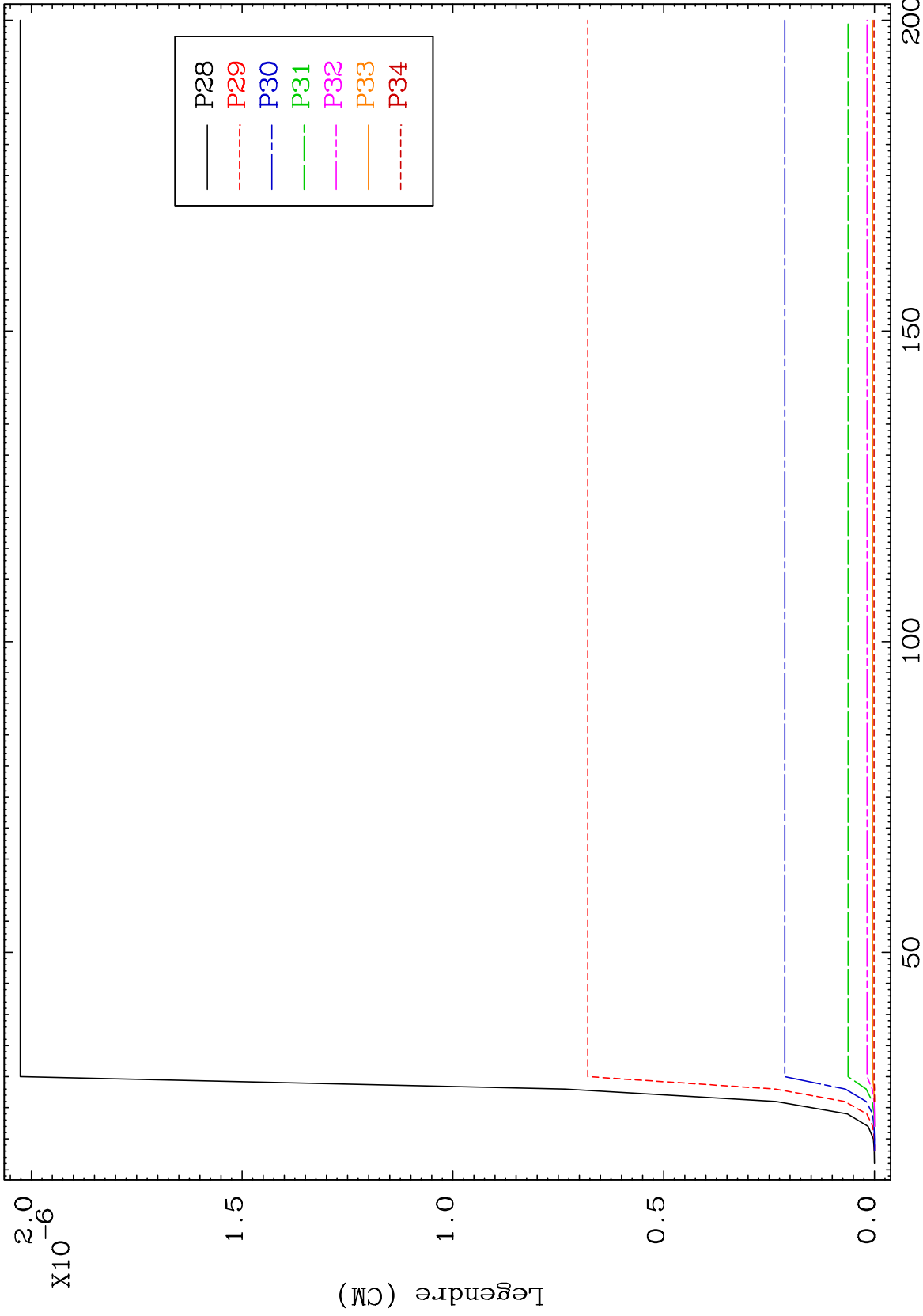
Incident Energy (MeV)

50-Sn-118

MAT 5043

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

50-Sn-118

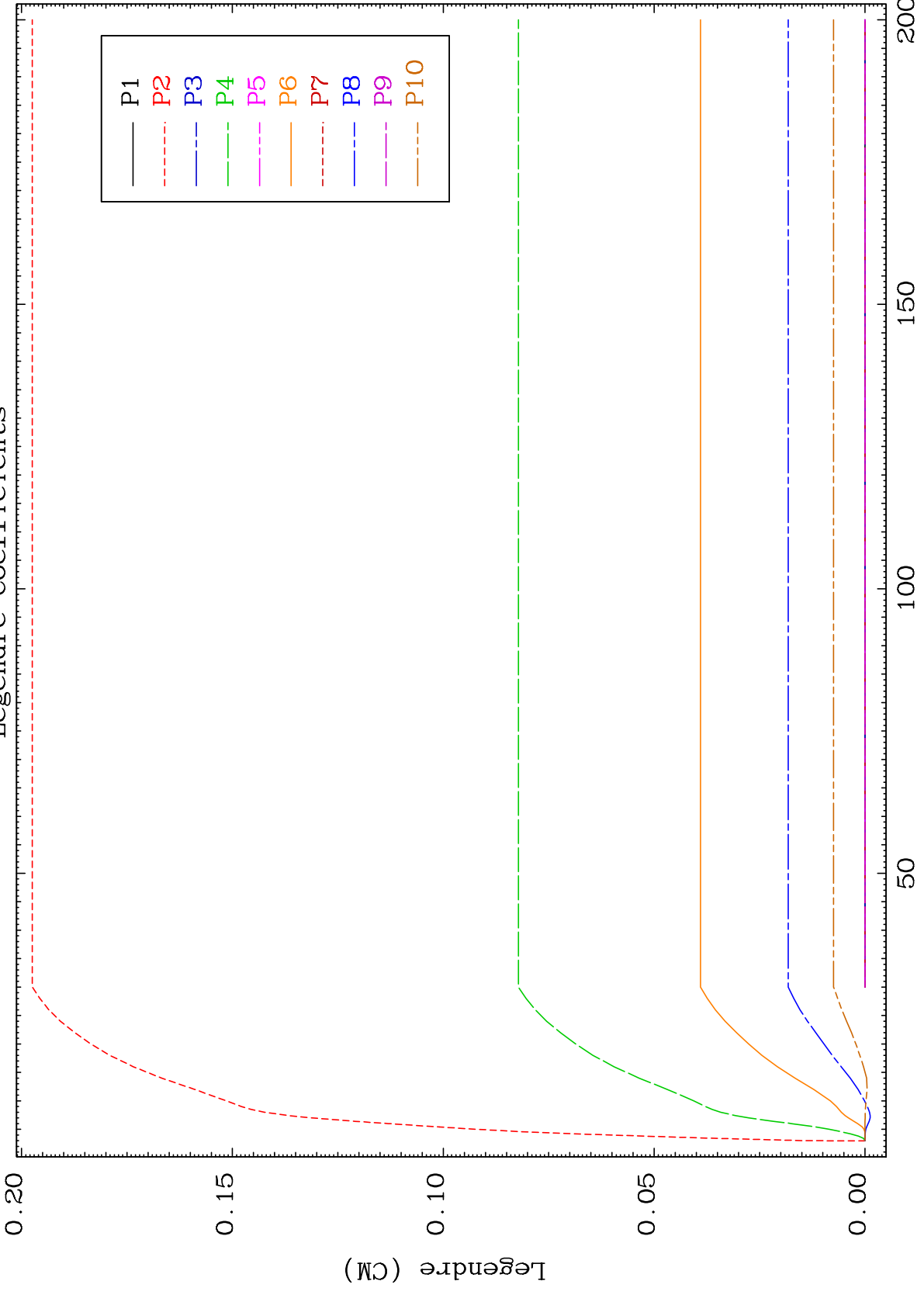


115

Incident Energy (MeV)

50-Sn-118

MAT 5043 MT= 77 (n,n') Level Legendre Coefficients 50-Sn-118

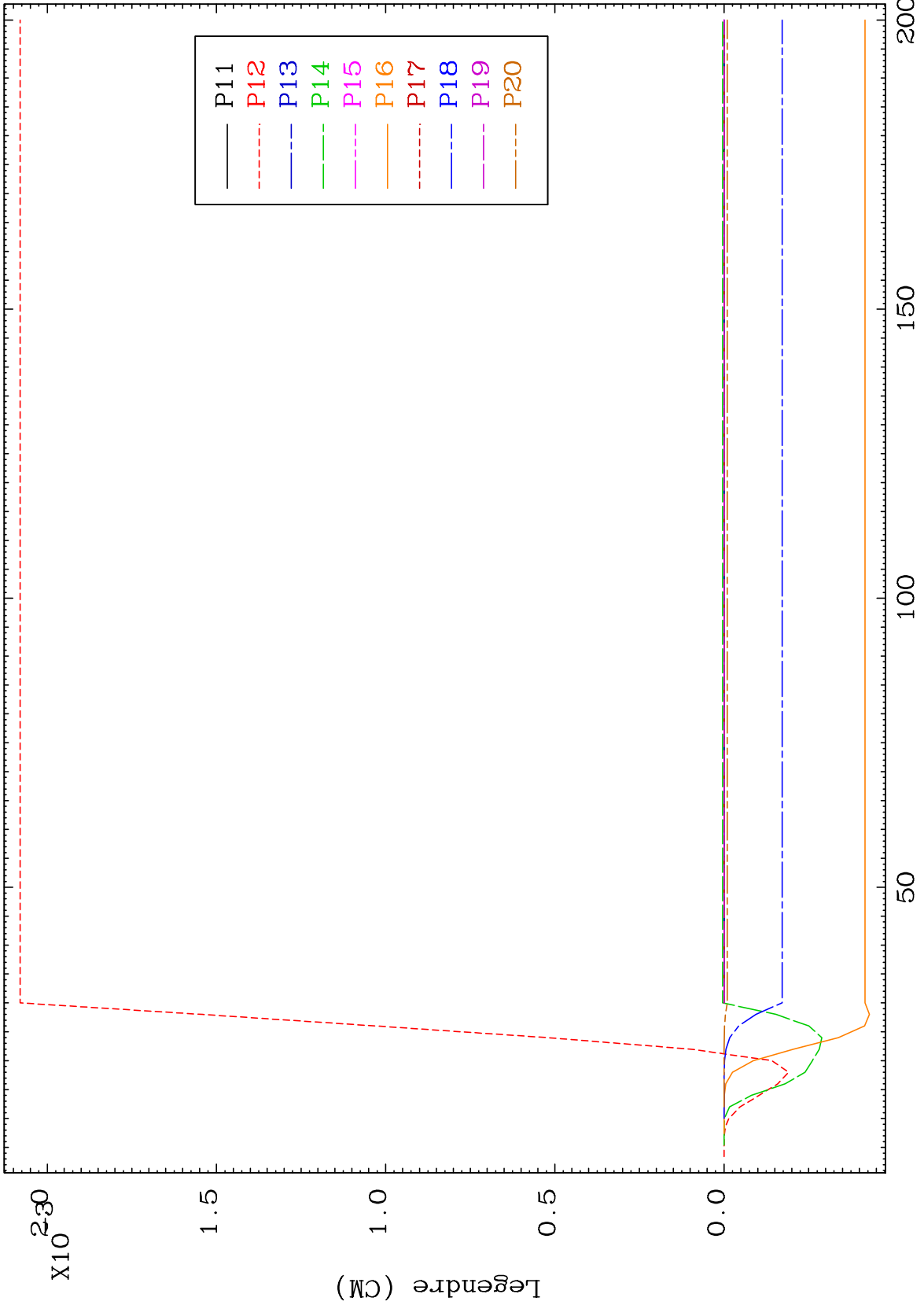


116 Incident Energy (MeV) 50-Sn-118

MAT 5043

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

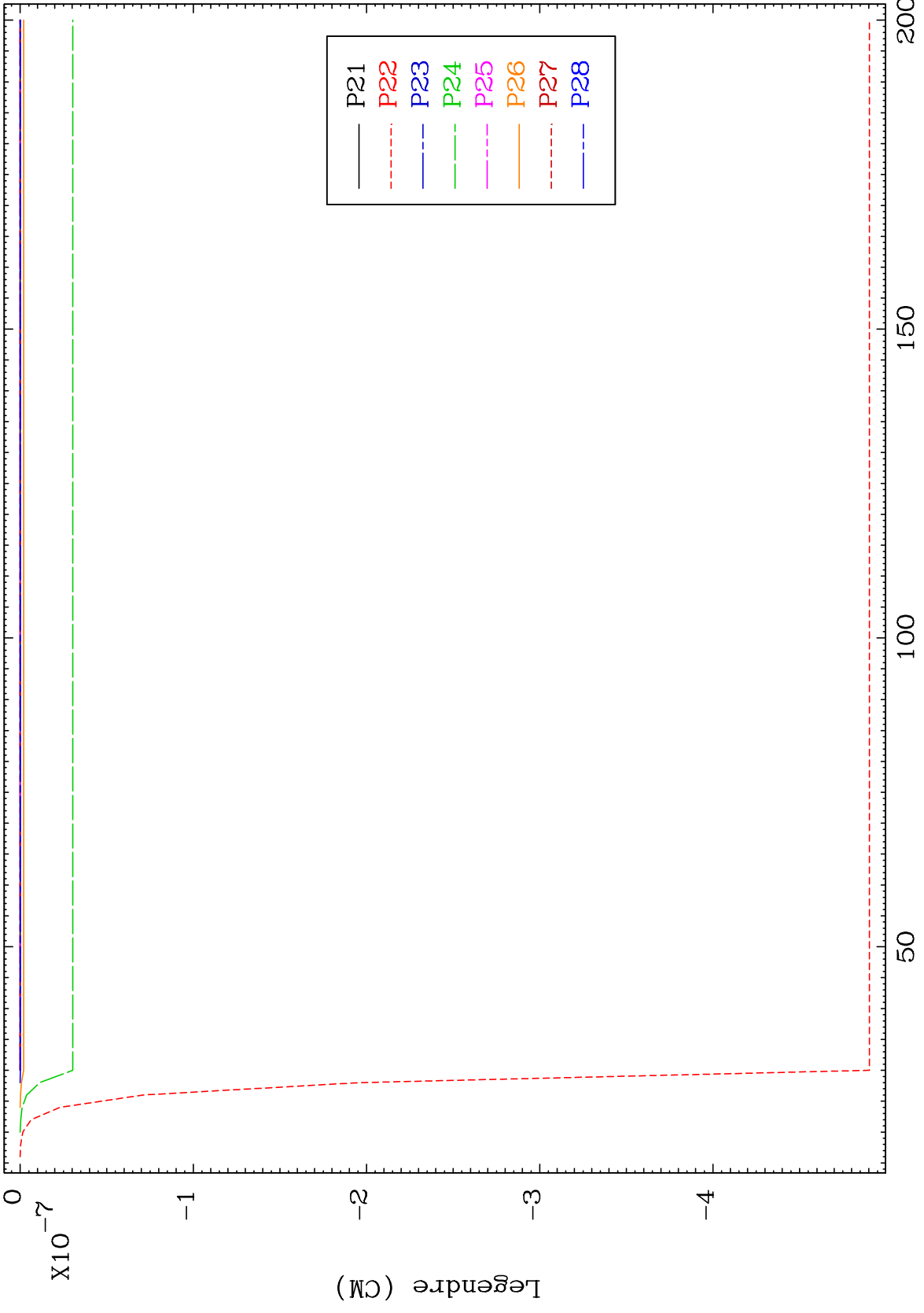
50-Sn-118



117

50-Sn-118

MAT 5043 MT= 77 (n,n') Level Legendre Coefficients 50-Sn-118

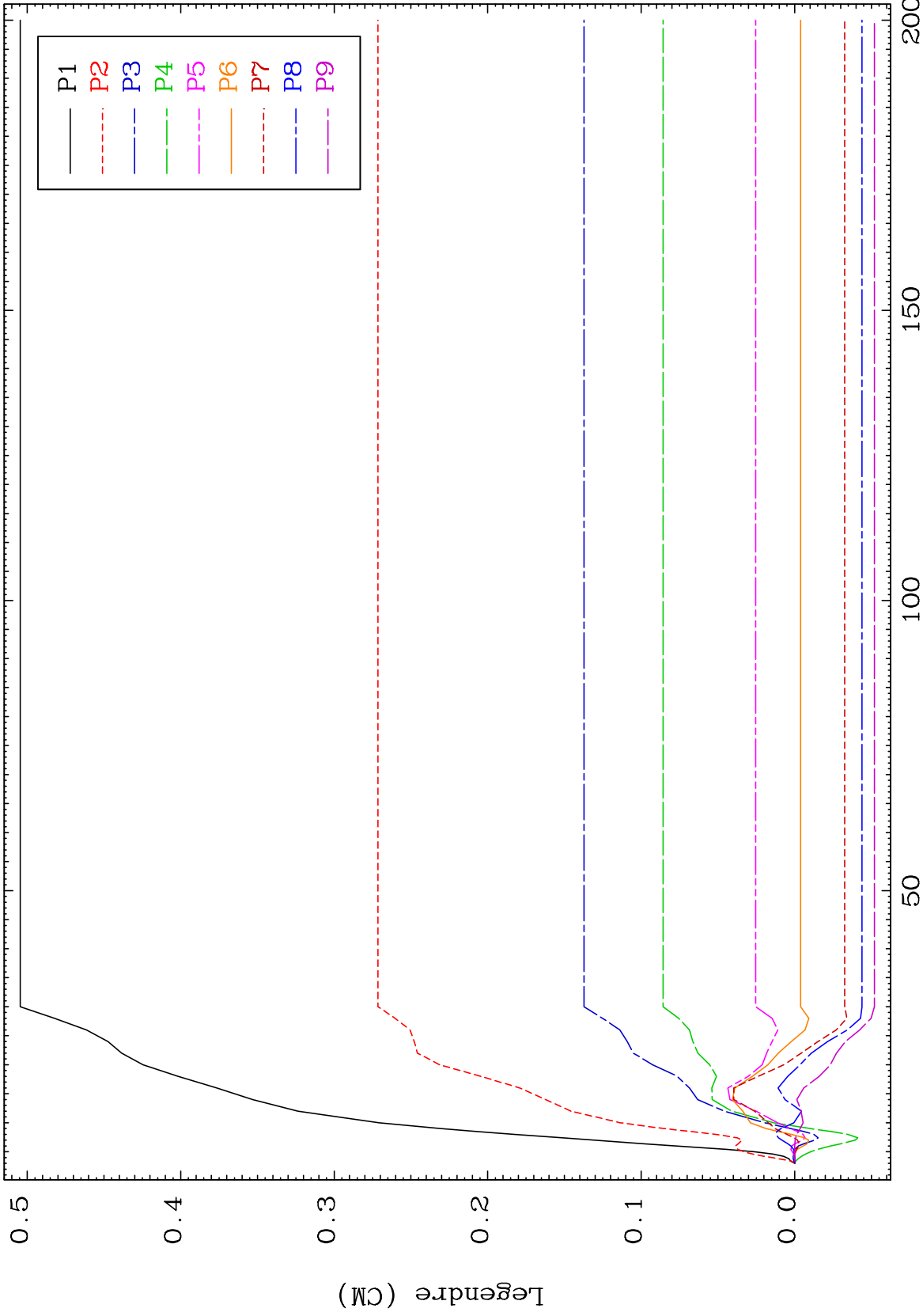


118 Incident Energy (MeV) 50-Sn-118

MAT 5043

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

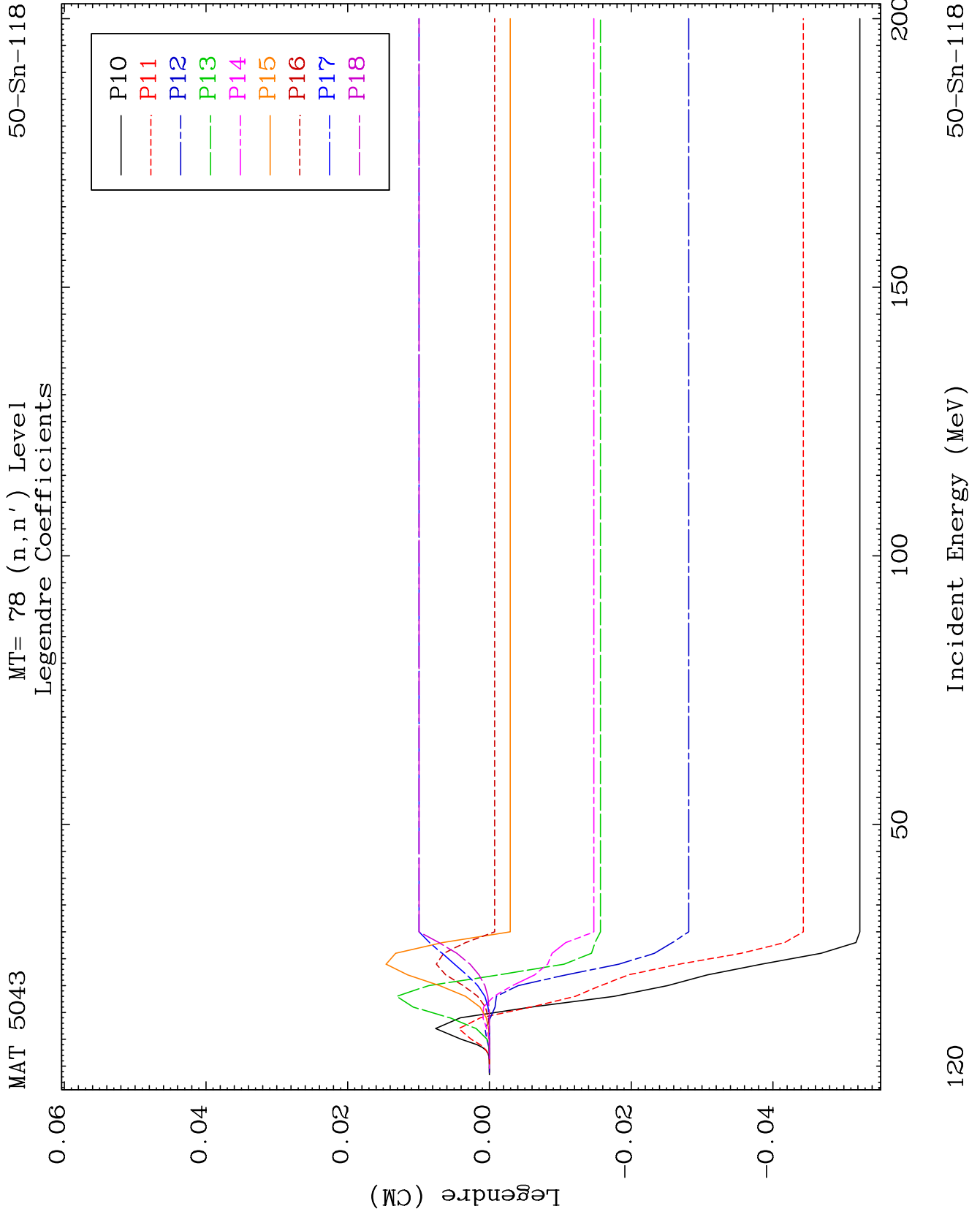
50-Sn-118



119

Incident Energy (MeV)

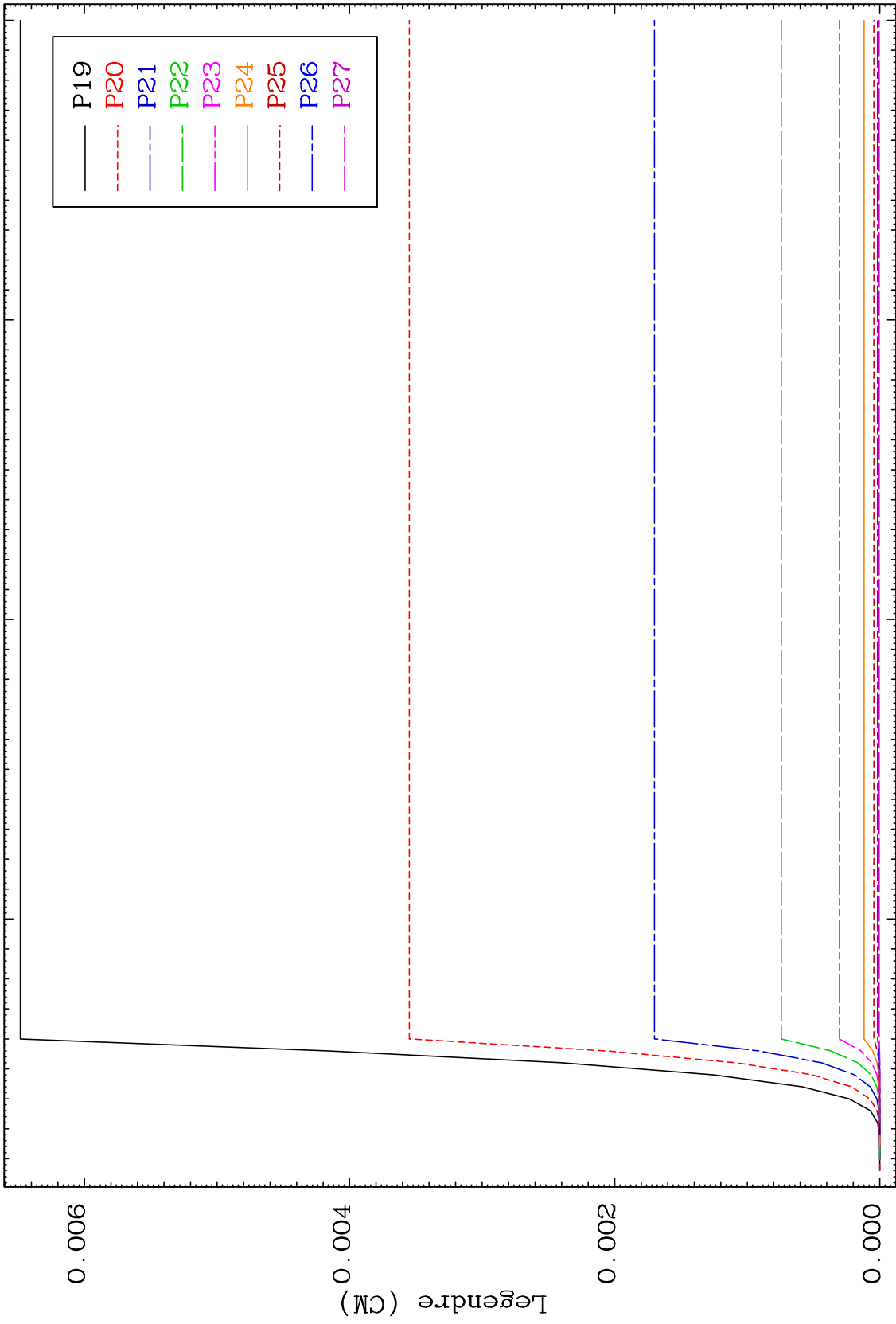
50-Sn-118



MAT 5043

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

50-Sn-118



121

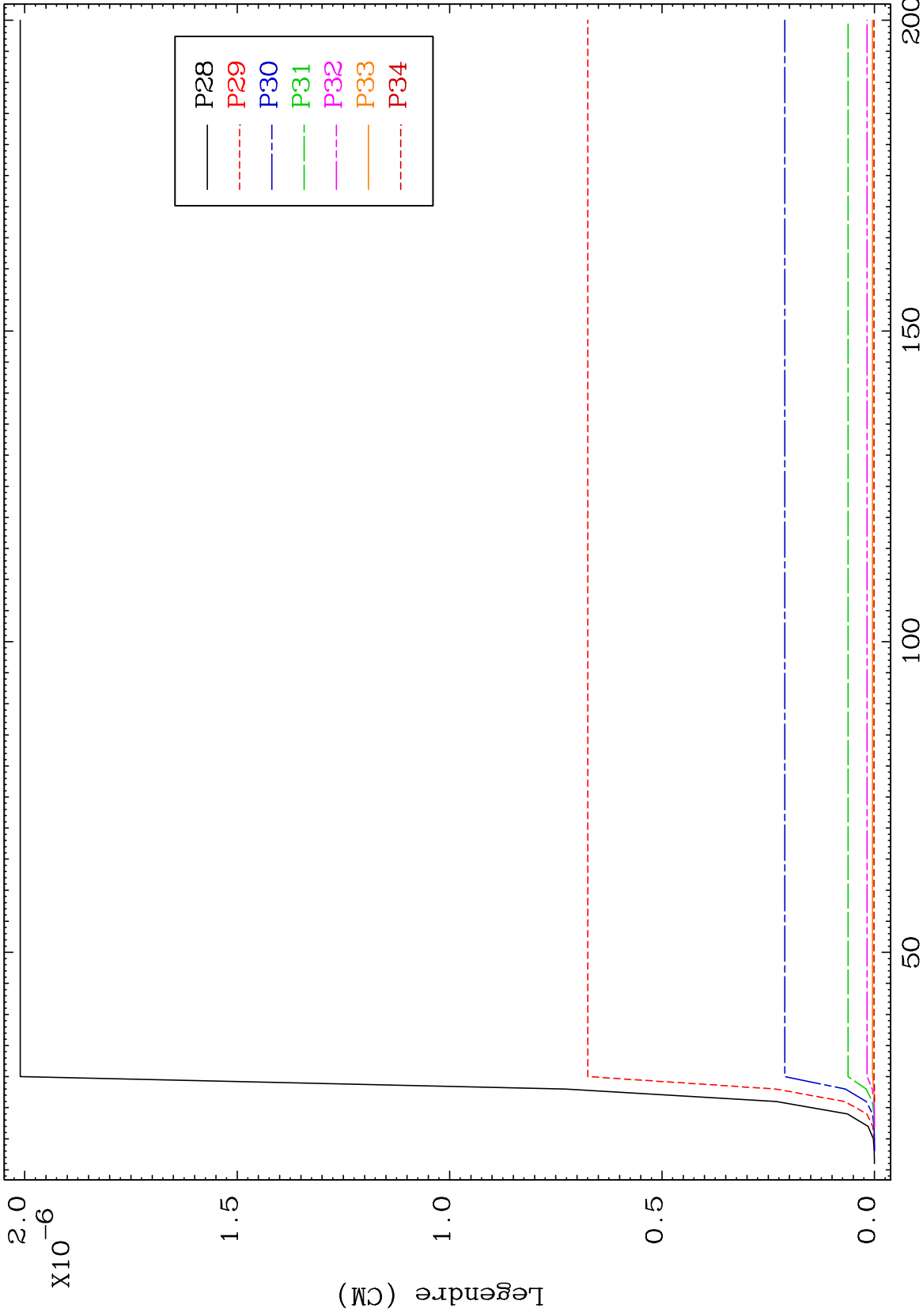
Incident Energy (MeV)

50-Sn-118

MAT 5043

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

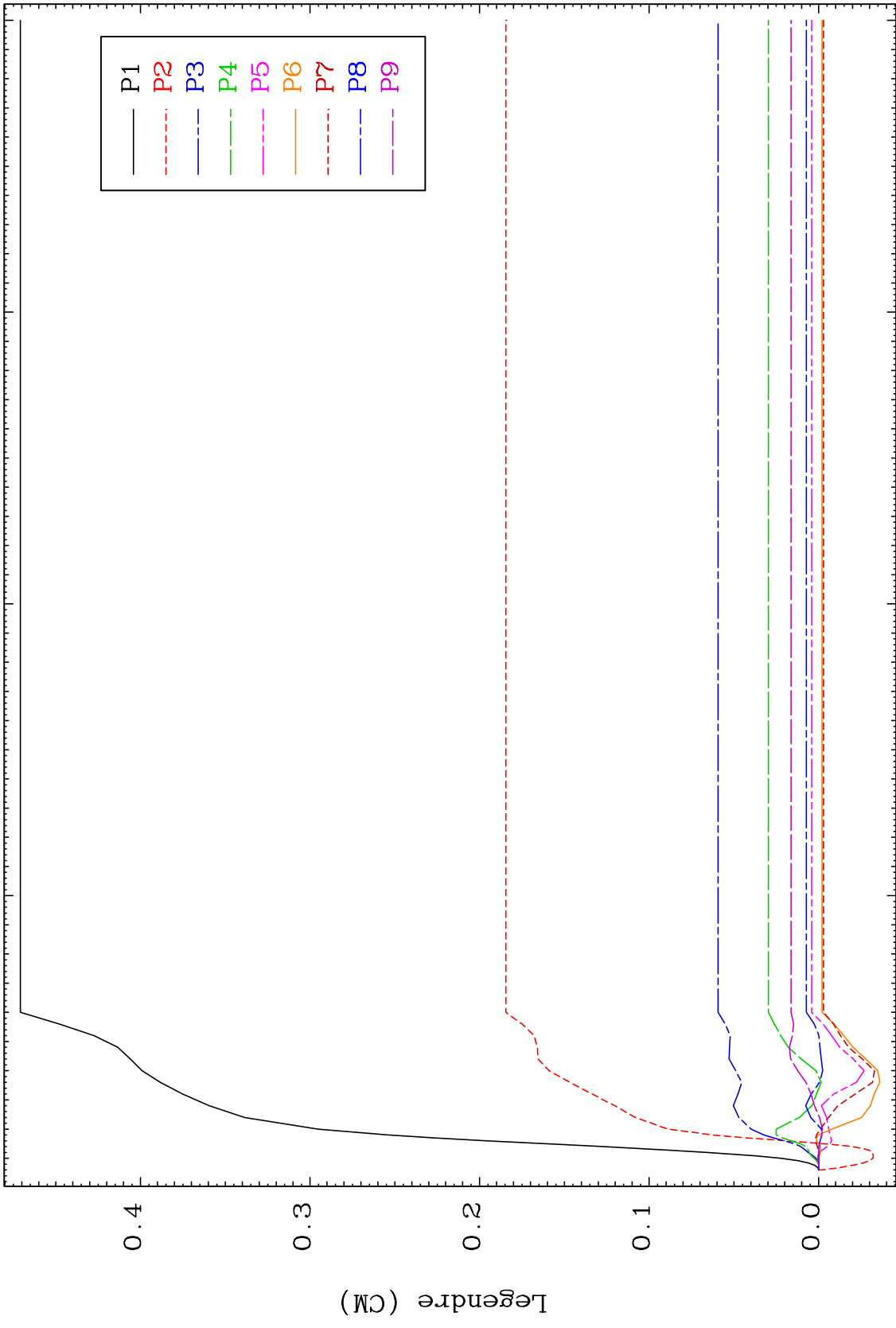
50-Sn-118



122

50-Sn-118

MAT 5043 MT= 79 (n,n') Level Legendre Coefficients 50-Sn-118

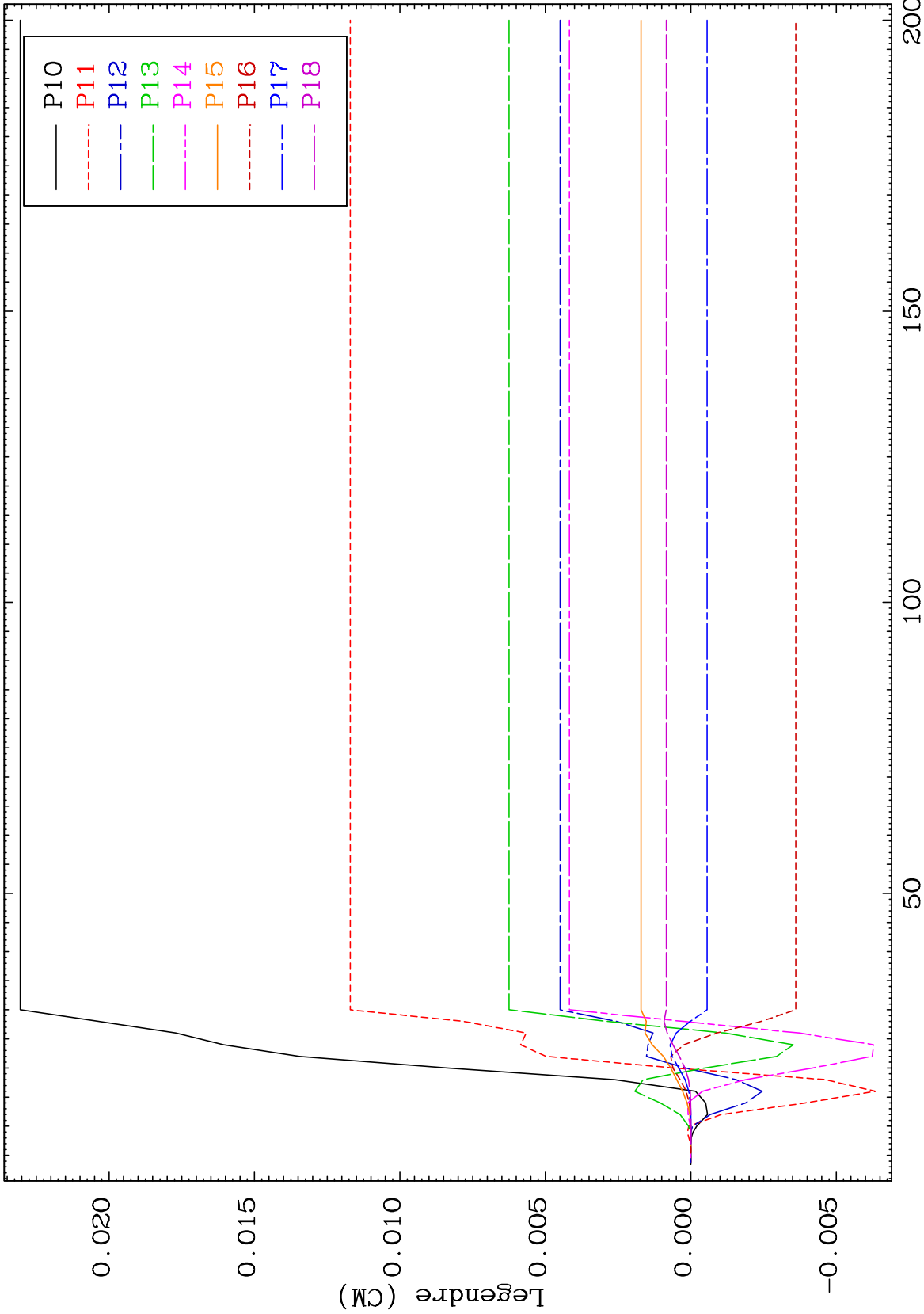


123 Incident Energy (MeV) 50-Sn-118

MAT 5043

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

50-Sn-118



124

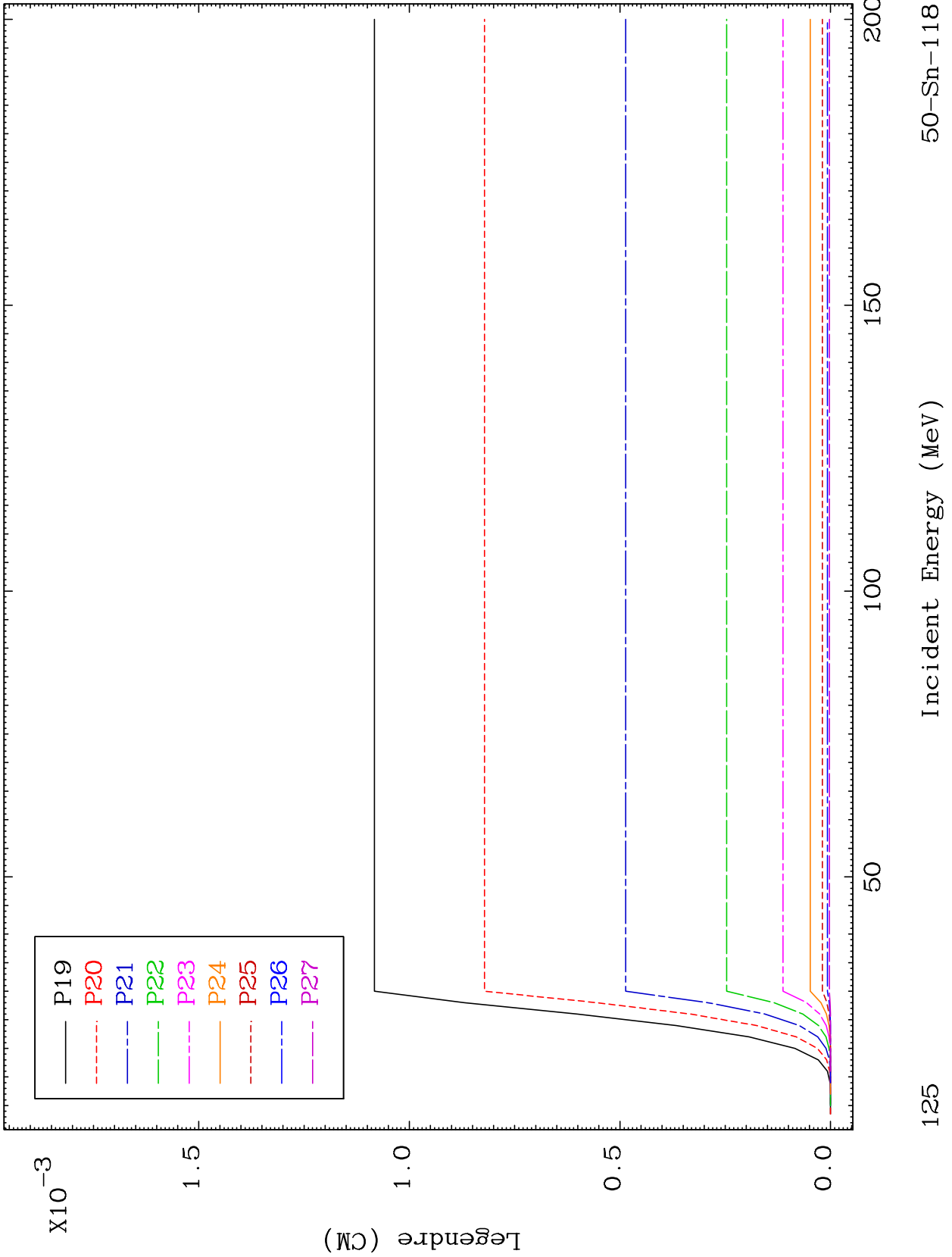
Incident Energy (MeV)

50-Sn-118

MAT 5043

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

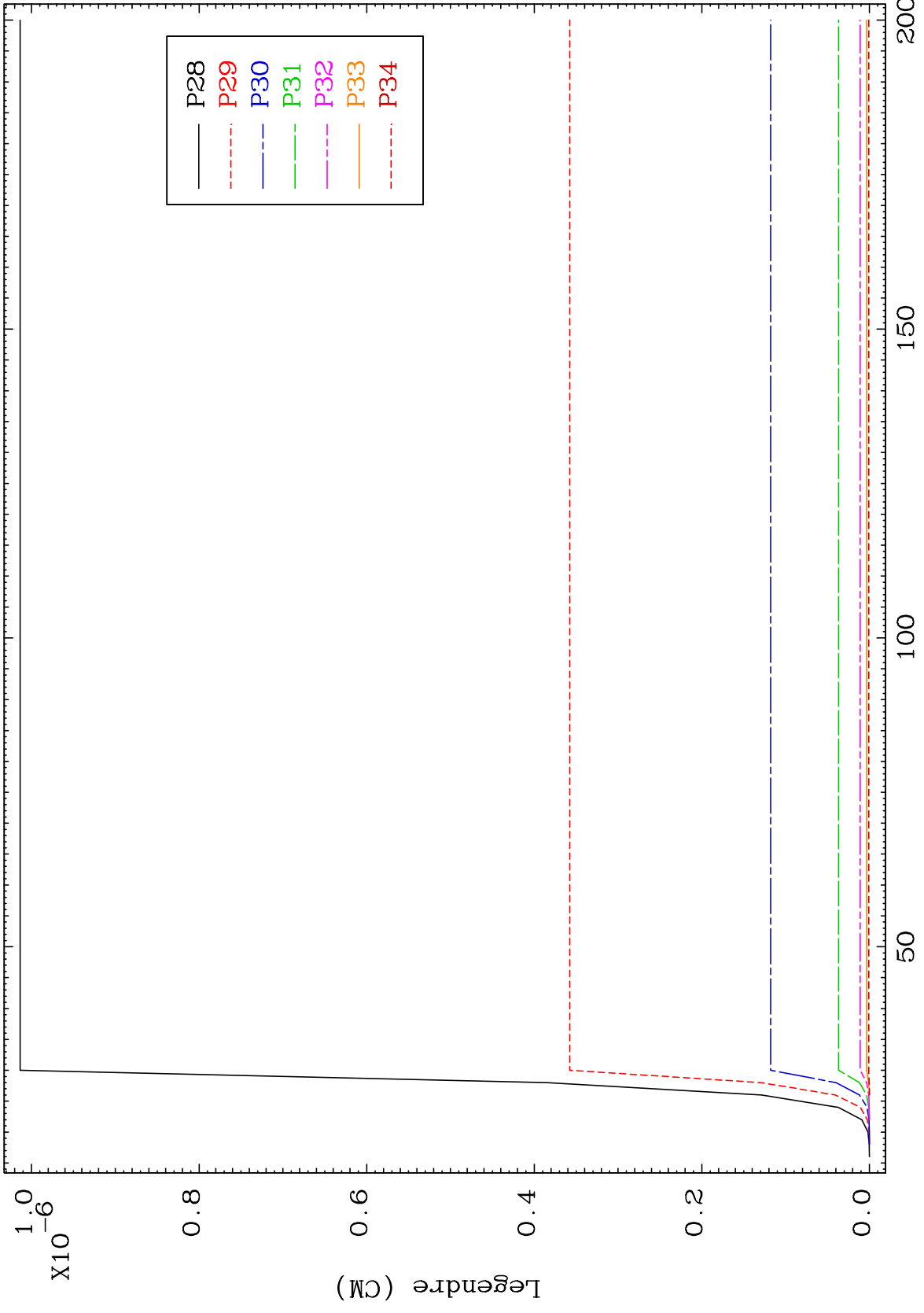
50-Sn-118



MAT 5043

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

50-Sn-118

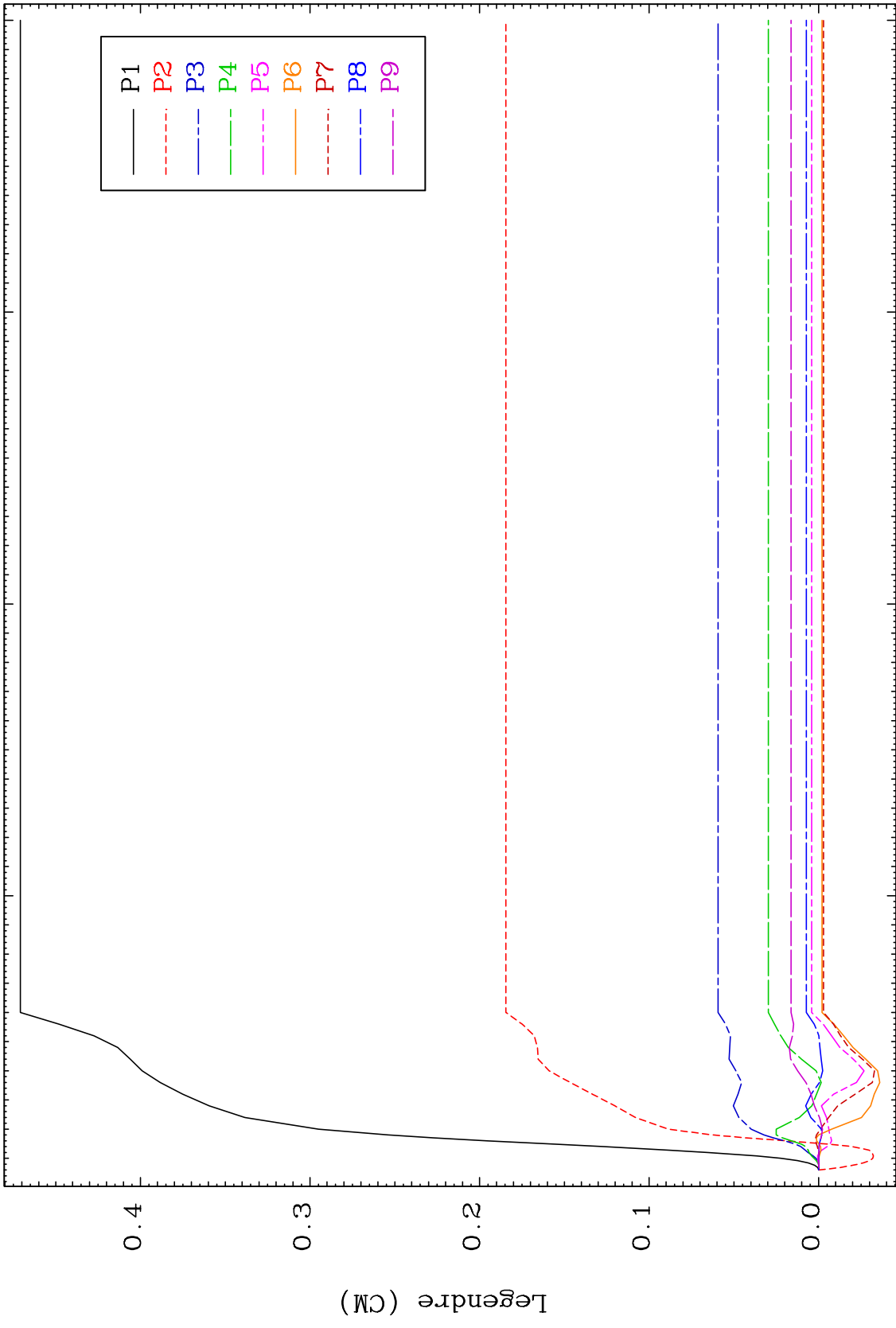


126

Incident Energy (MeV)

50-Sn-118

MAT 5043 MT= 80 (n,n') Level Legendre Coefficients 50-Sn-118

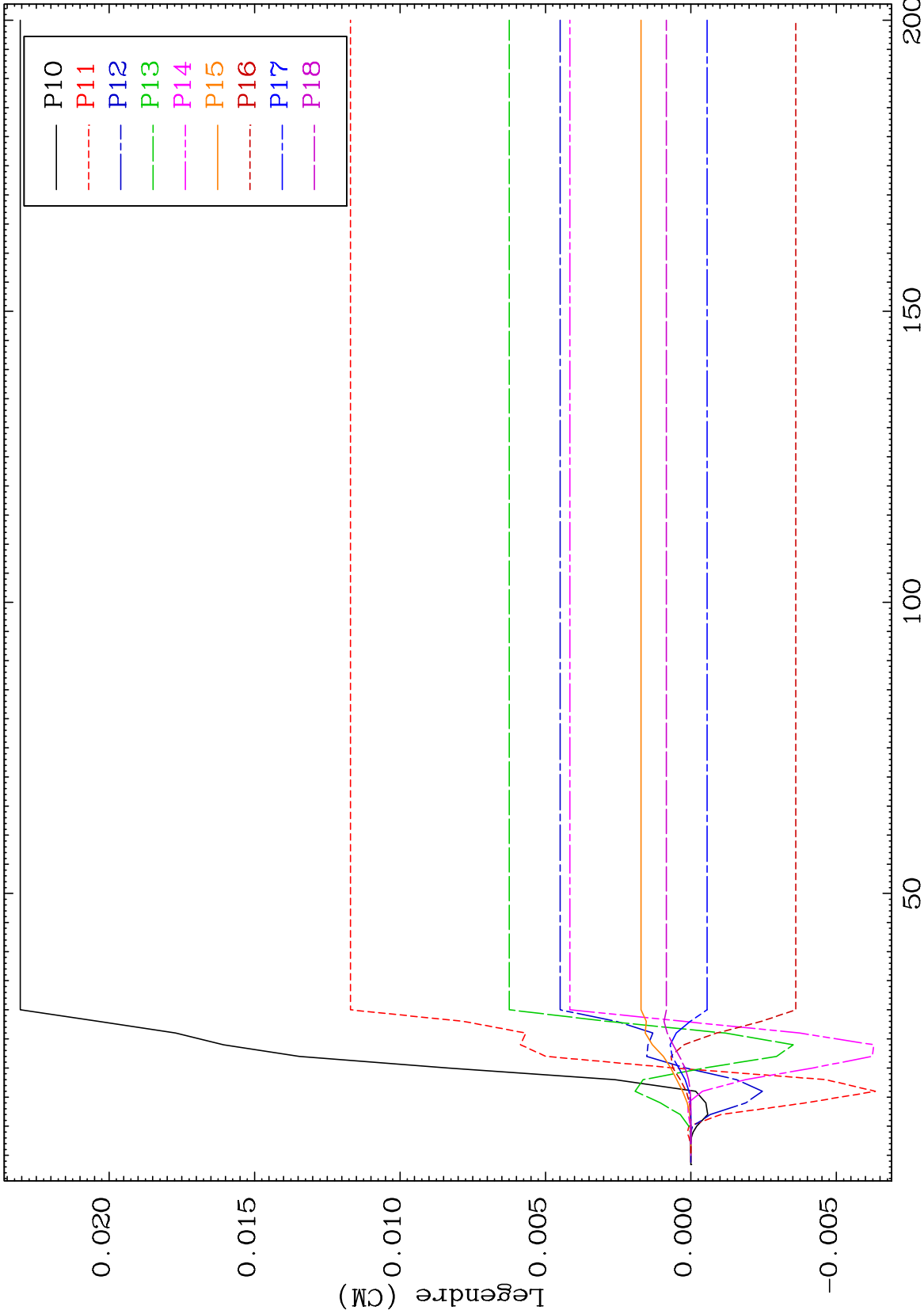


127 Incident Energy (MeV) 50-Sn-118

MAT 5043

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

50-Sn-118



128

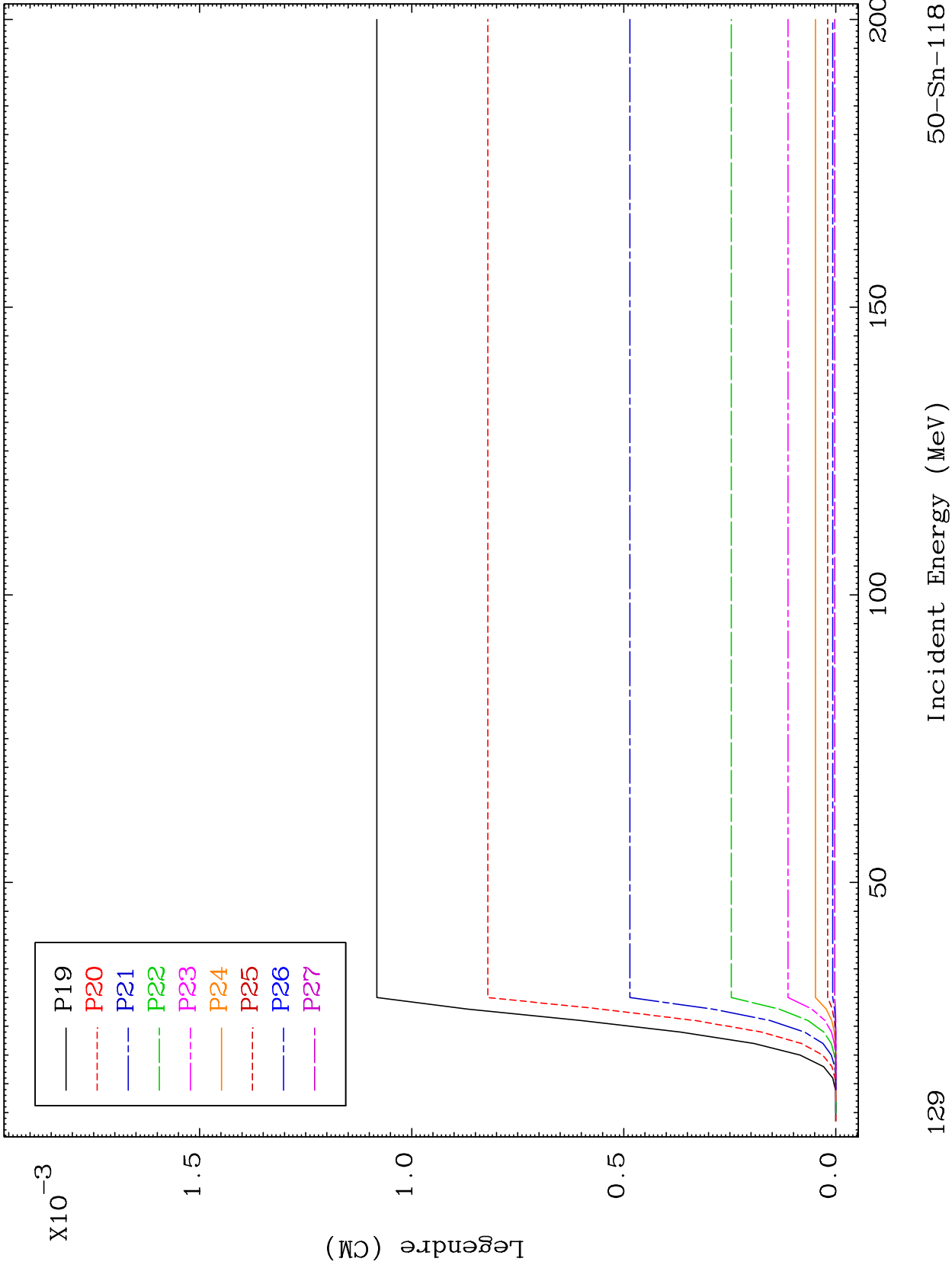
Incident Energy (MeV)

50-Sn-118

MAT 5043

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

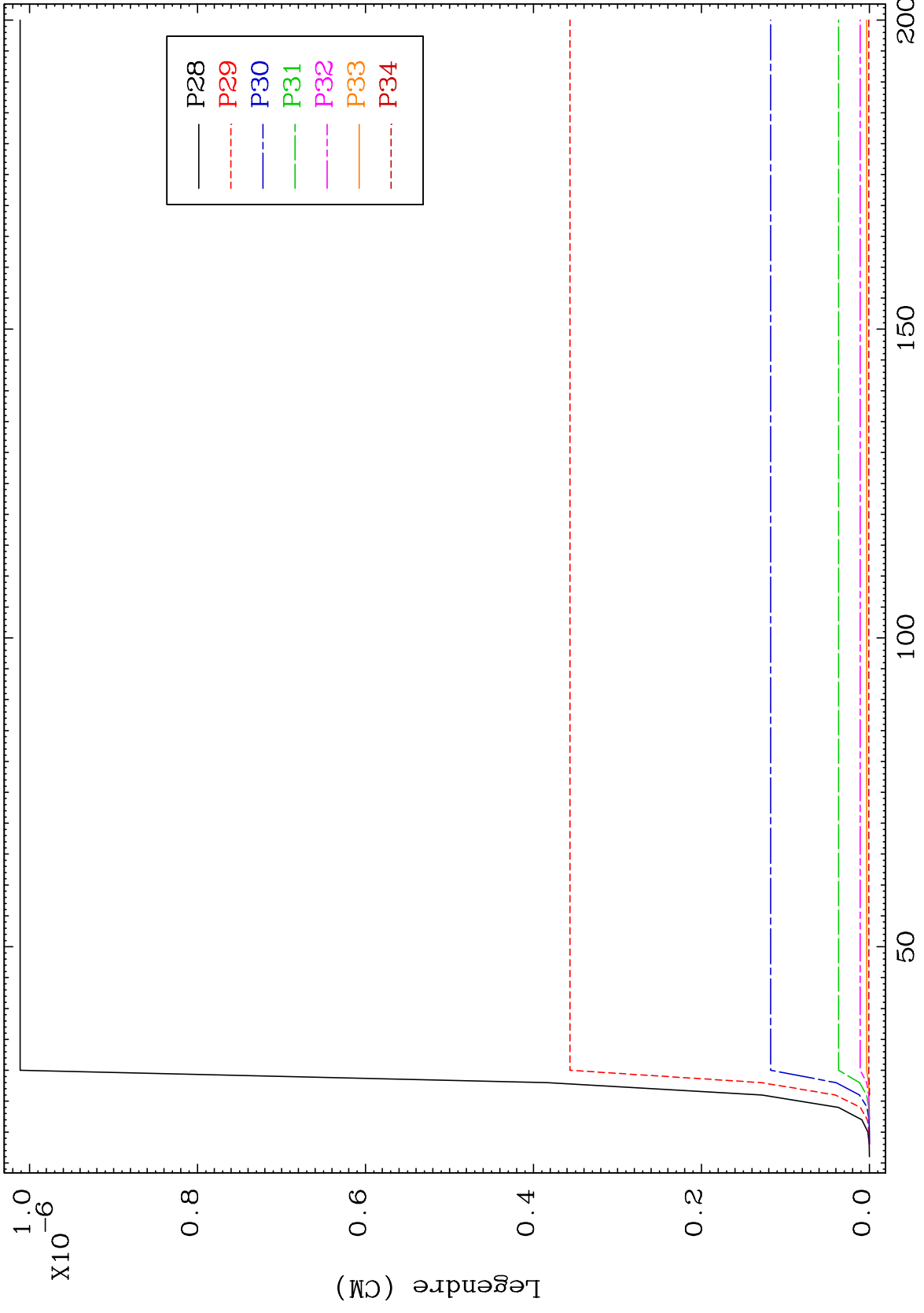
50-Sn-118



MAT 5043

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

50-Sn-118



50-Sn-118

Incident Energy (MeV)

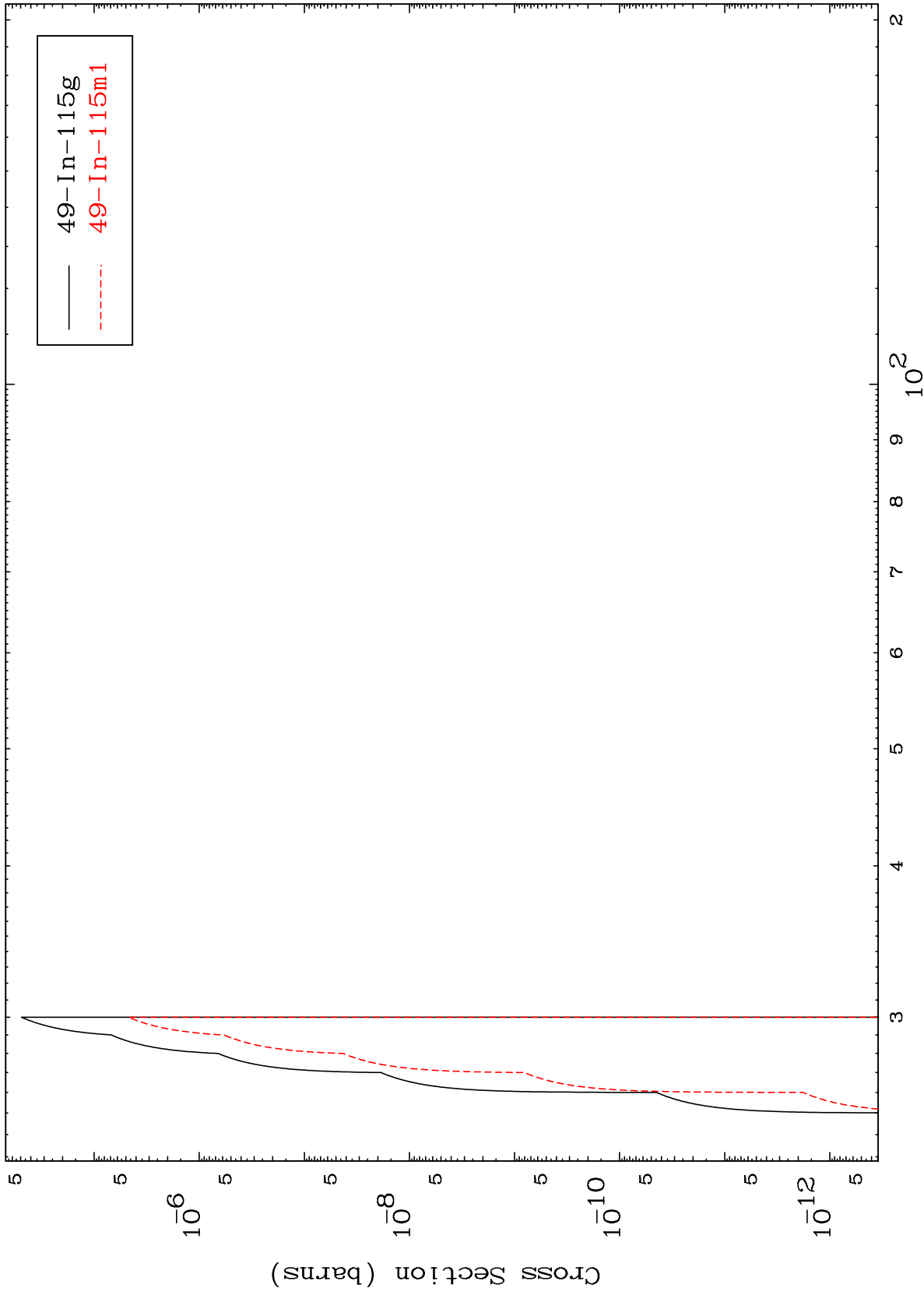
130

MAT 5043

(n,2n) d

50-Sn-118

Radionuclide Production Cross Section



131

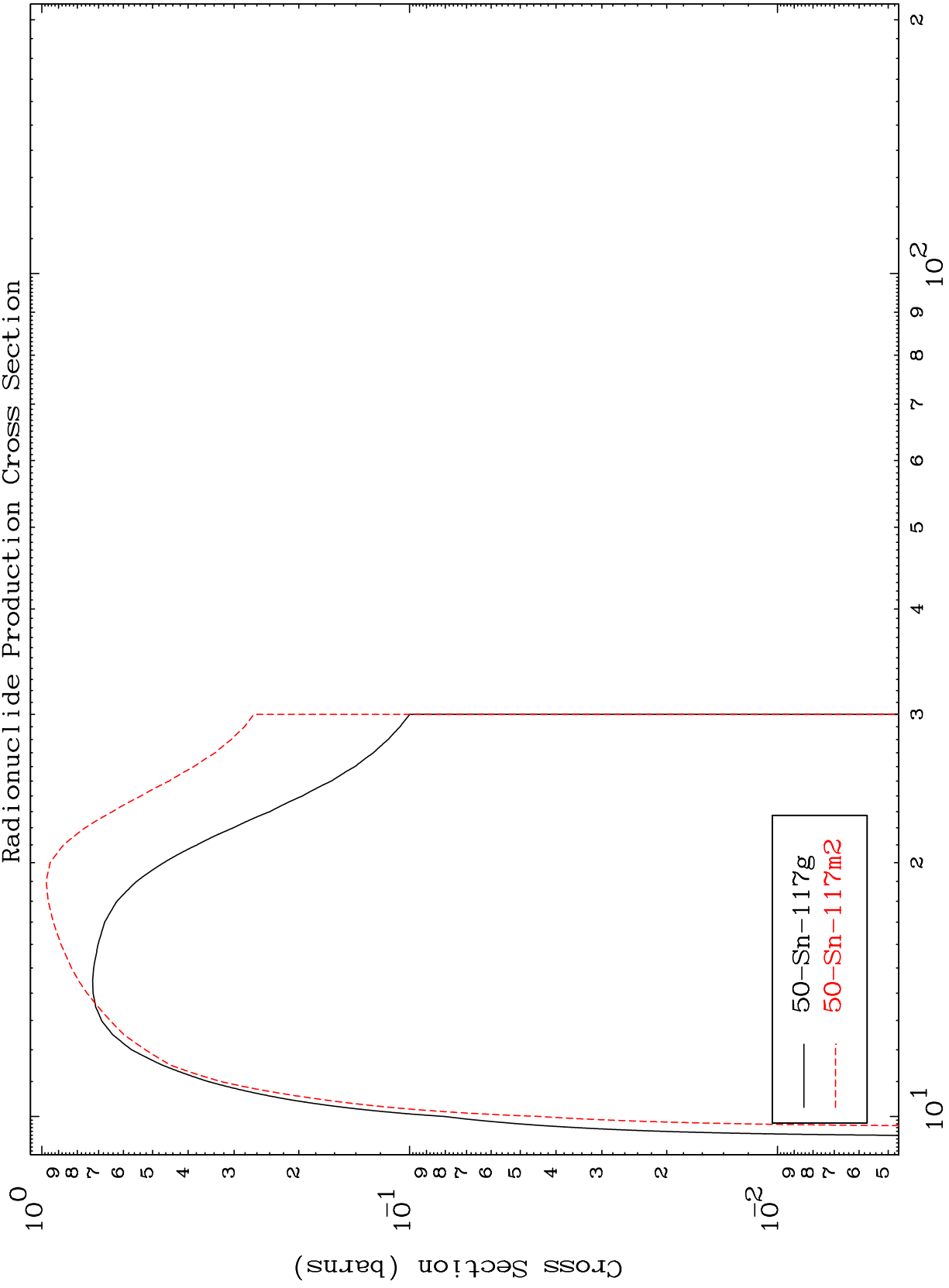
Incident Energy (MeV)

50-Sn-118

MAT 5043

50-Sn-118

(n,2n)
Radionuclide Production Cross Section



50-Sn-118

Incident Energy (MeV)

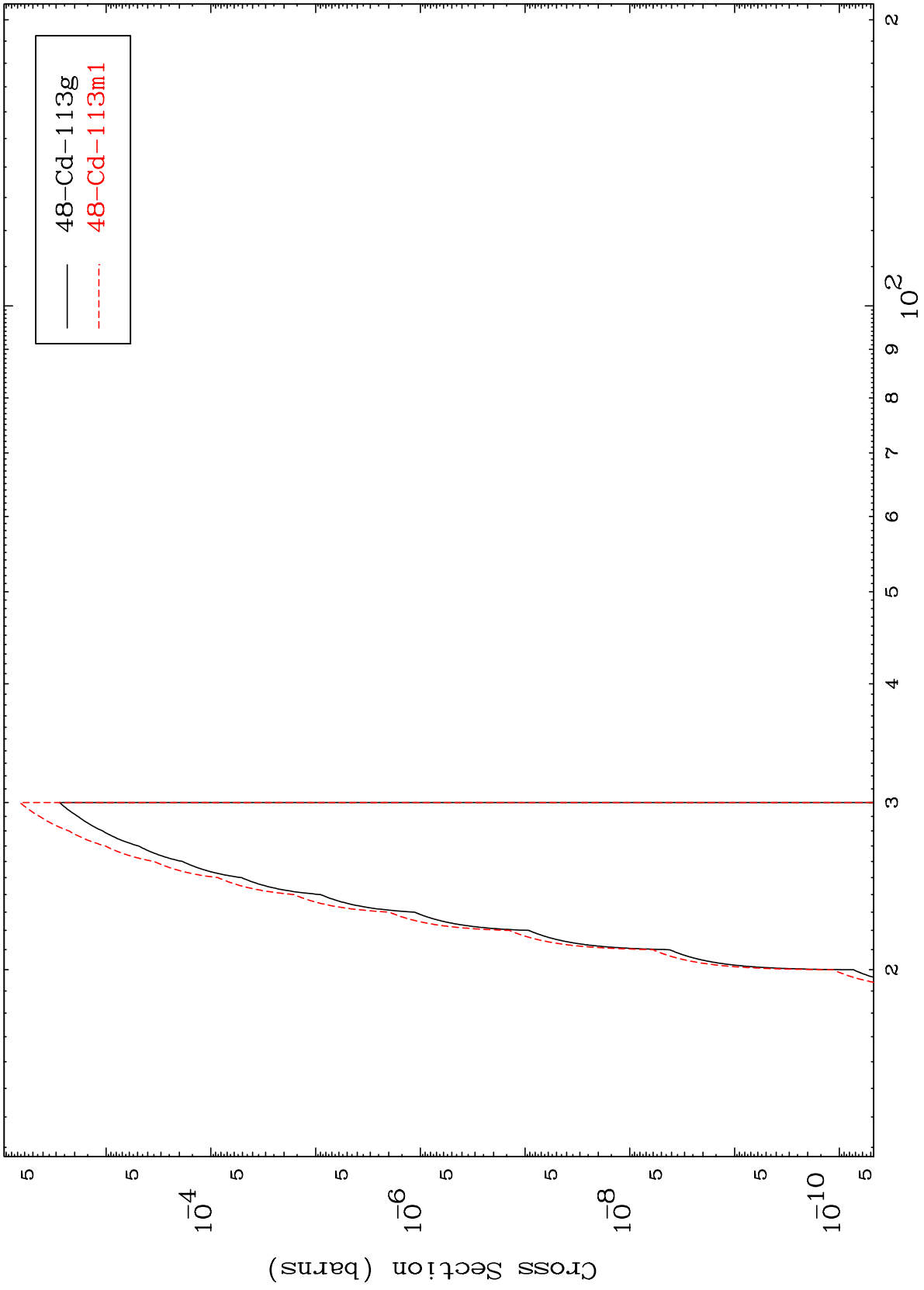
132

MAT 5043

(n,2n) α

50-Sn-118

Radionuclide Production Cross Section



133

Incident Energy (MeV)

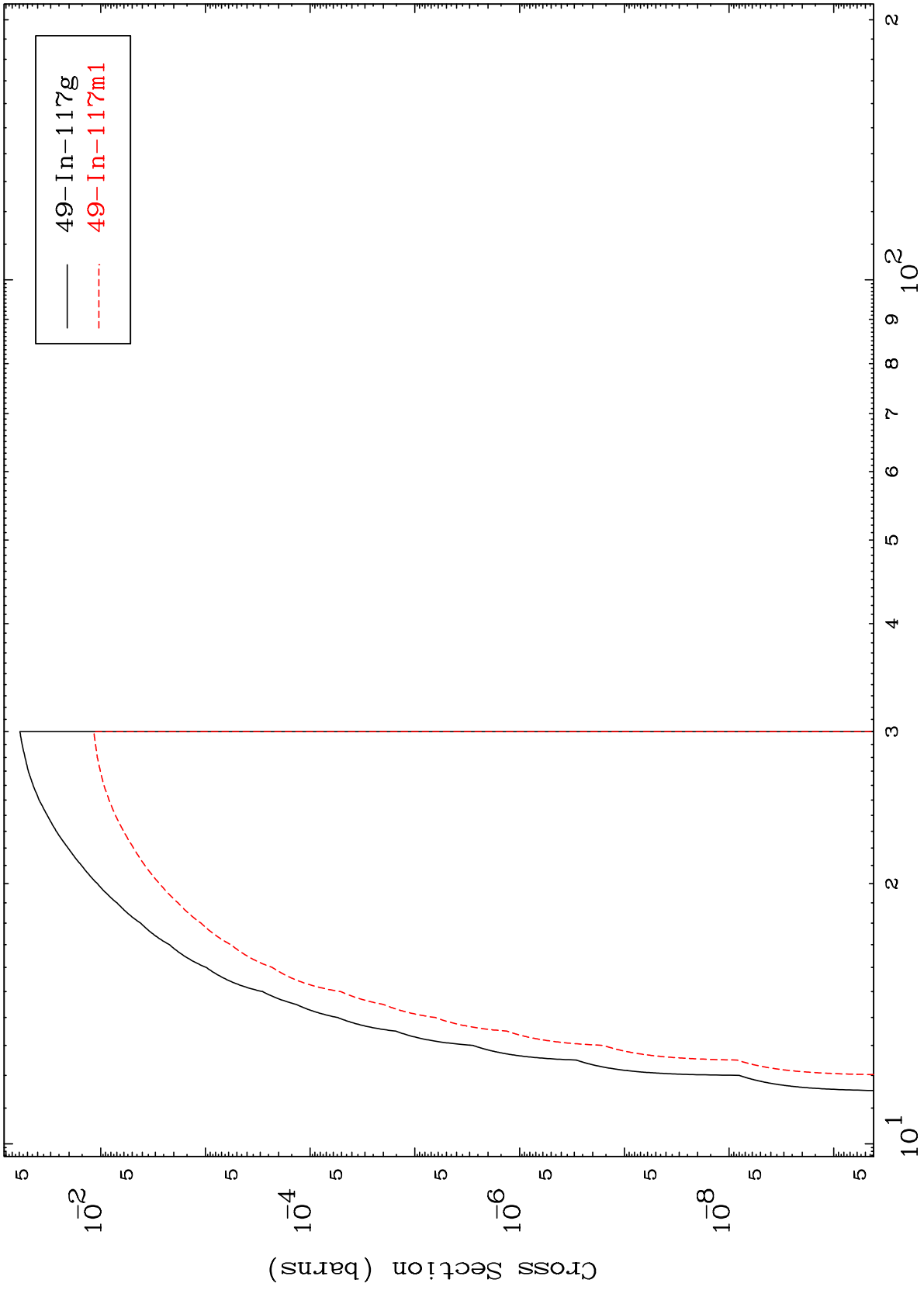
50-Sn-118

MAT 5043

(n,n') p

50-Sn-118

Radionuclide Production Cross Section



134

Incident Energy (MeV)

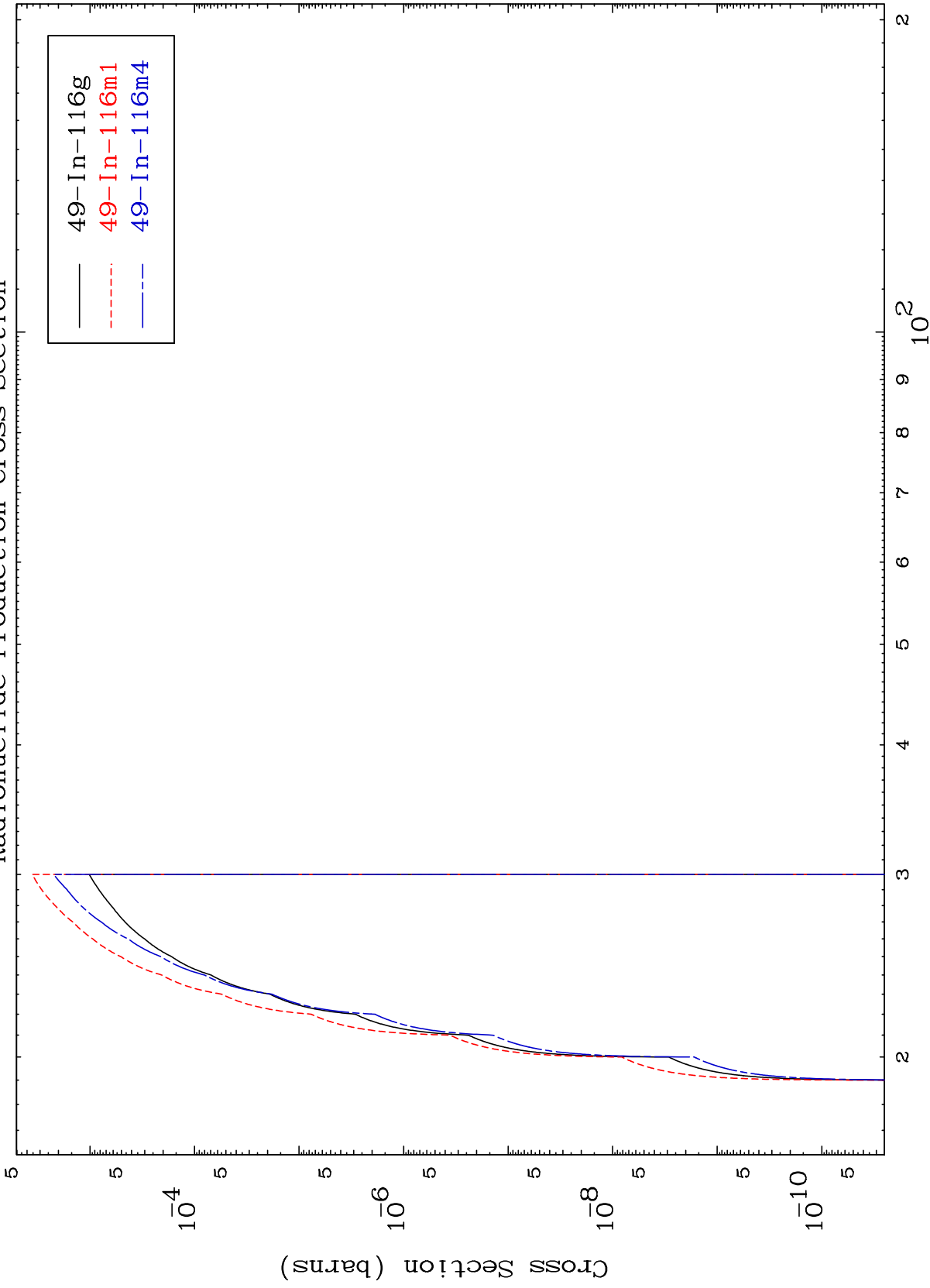
50-Sn-118

MAT 5043

(n,n') d

50-Sn-118

Radionuclide Production Cross Section



135

Incident Energy (MeV)

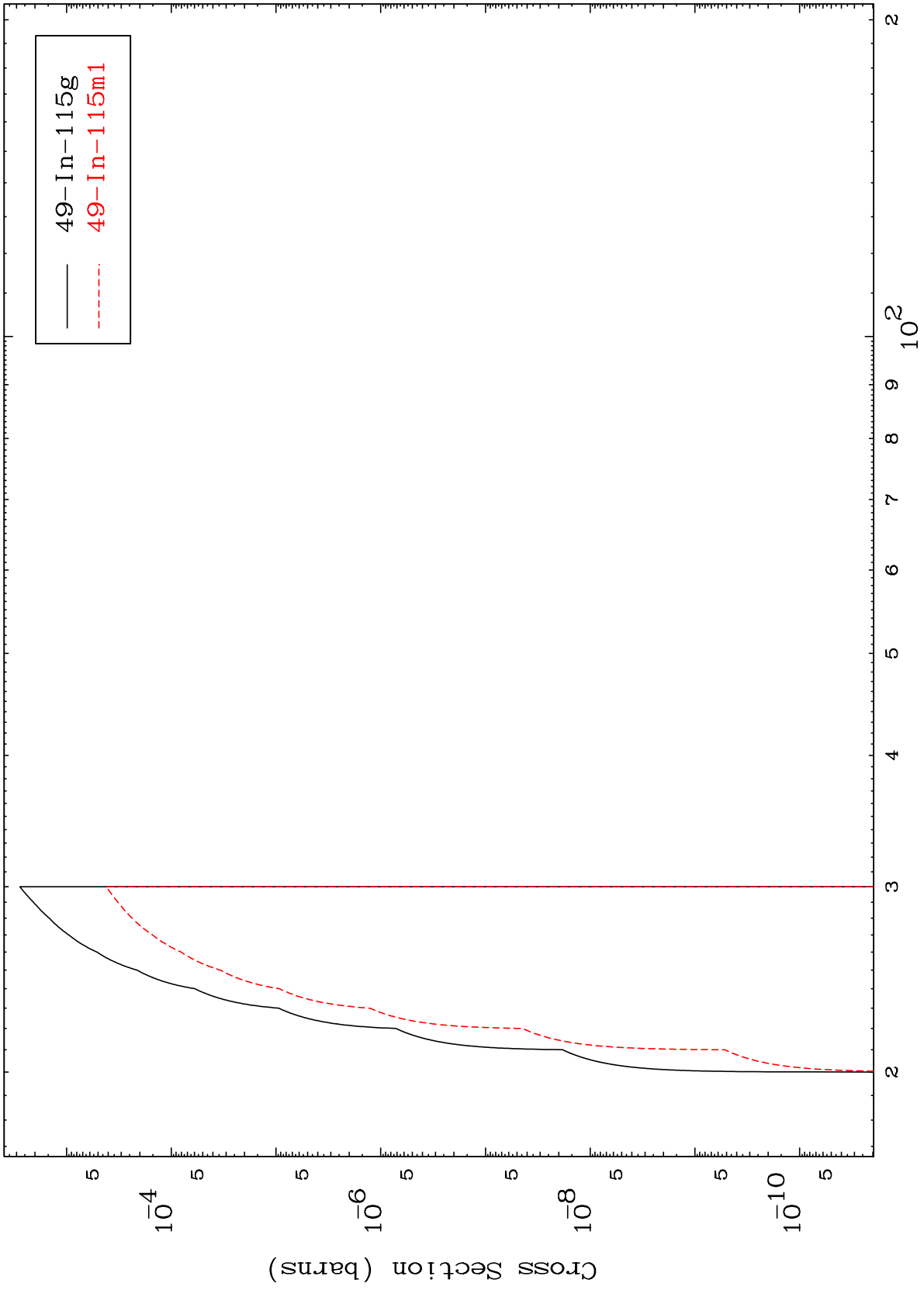
50-Sn-118

MAT 5043

(n,n') t

50-Sn-118

Radionuclide Production Cross Section



136

Incident Energy (MeV)

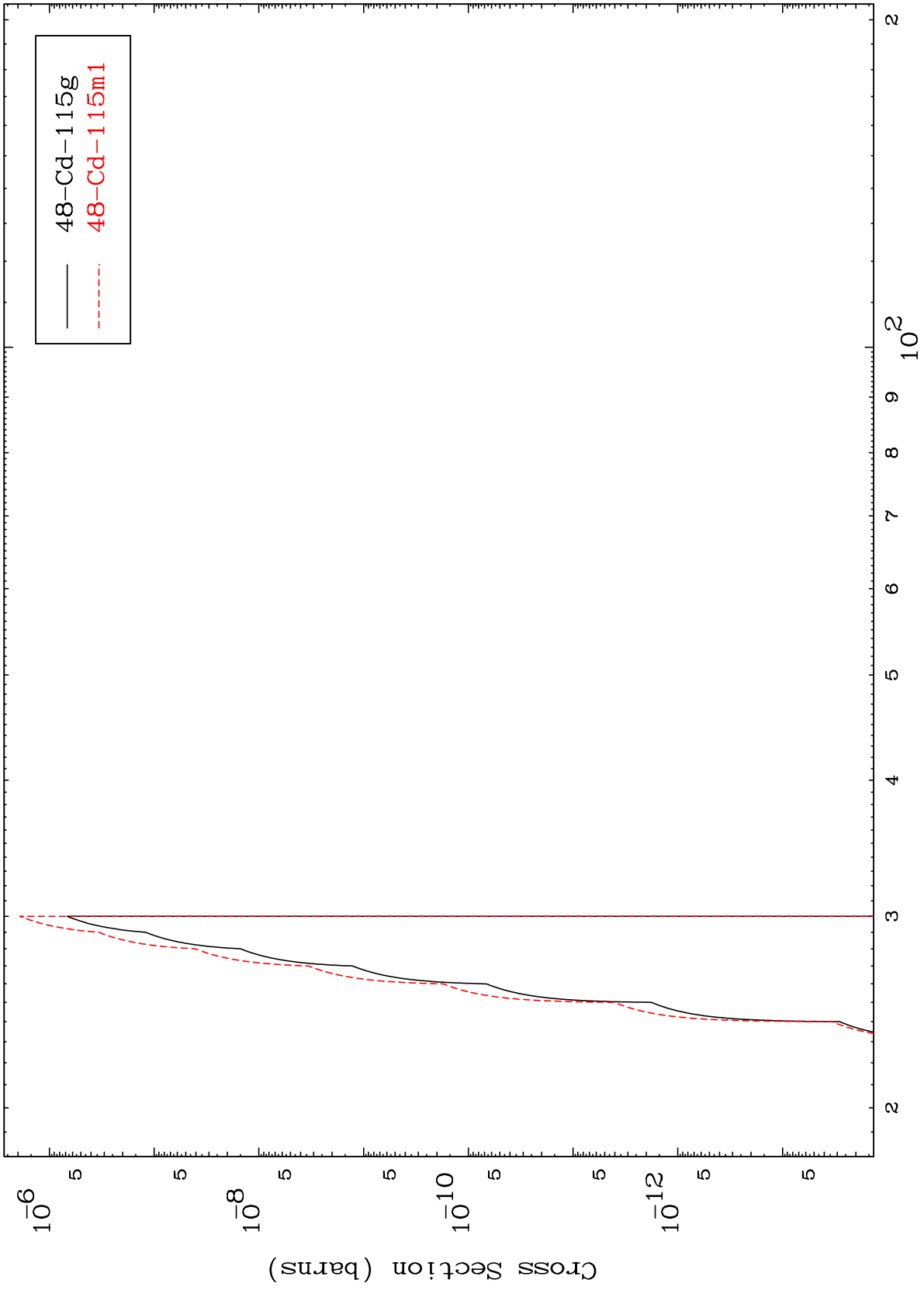
50-Sn-118

MAT 5043

(n, n') He-3

50-Sn-118

Radionuclide Production Cross Section



137

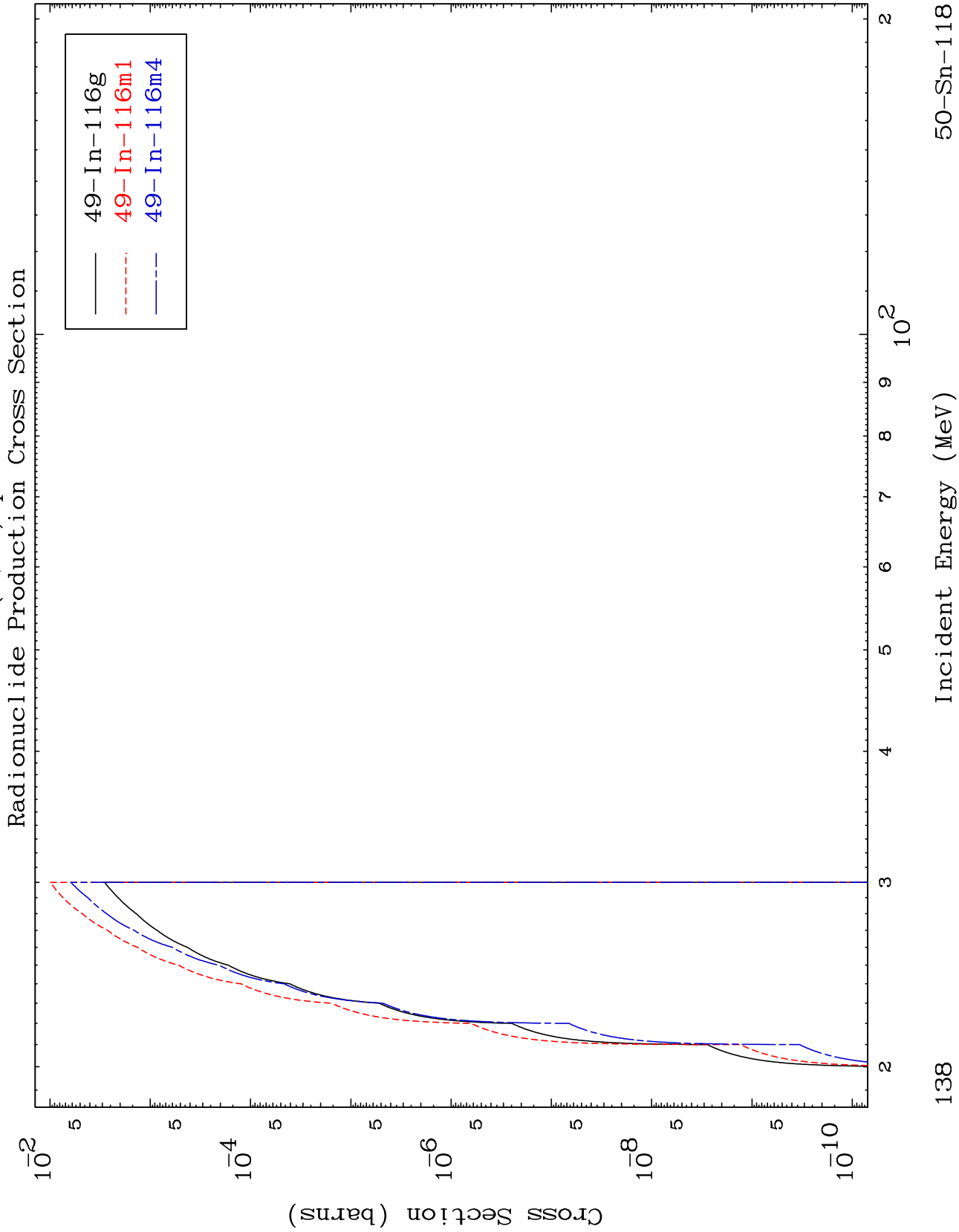
Incident Energy (MeV)

50-Sn-118

MAT 5043

(n,2n) p

50-Sn-118



138

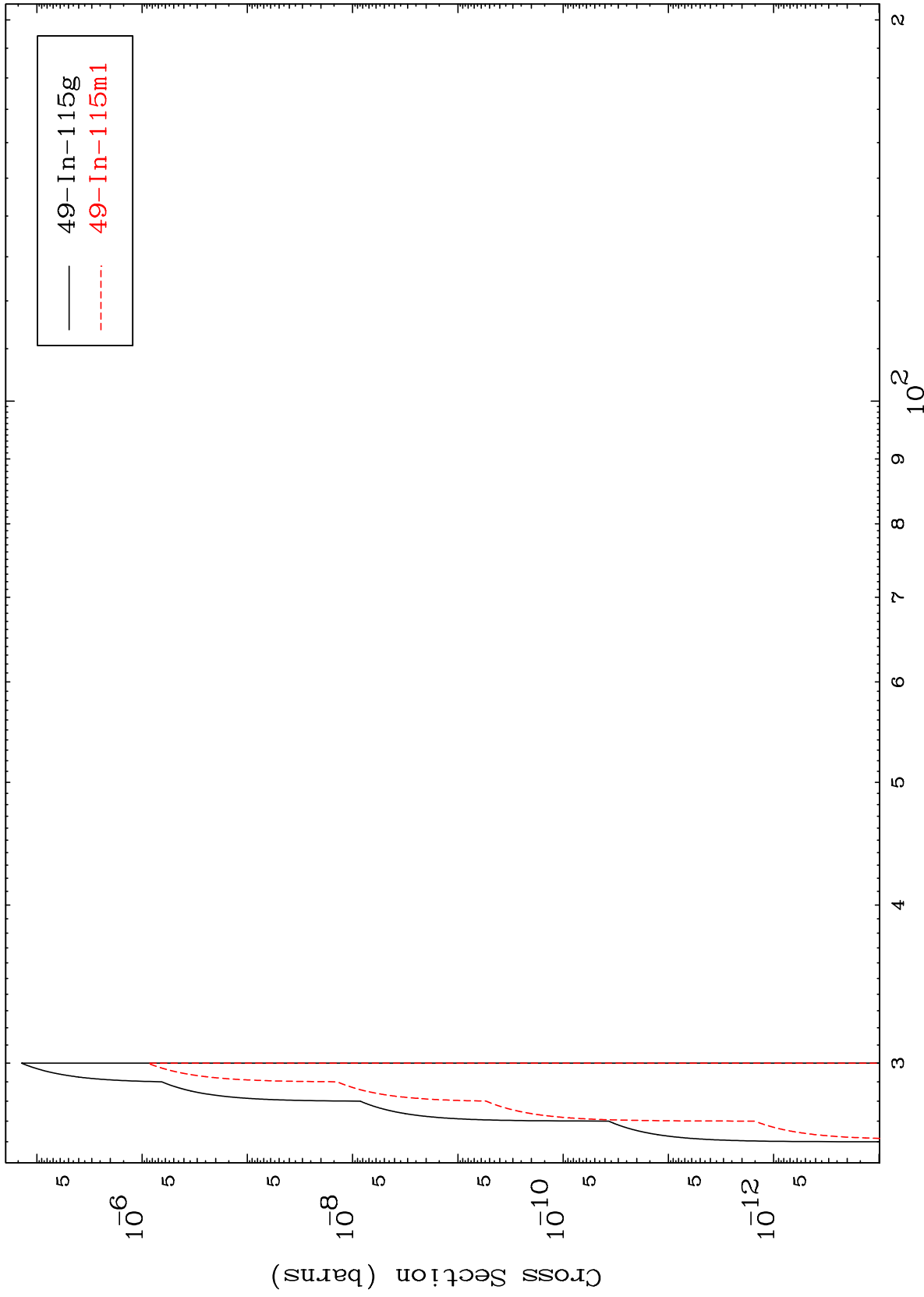
50-Sn-118

MAT 5043

(n,3n) p

50-Sn-118

Radionuclide Production Cross Section



139

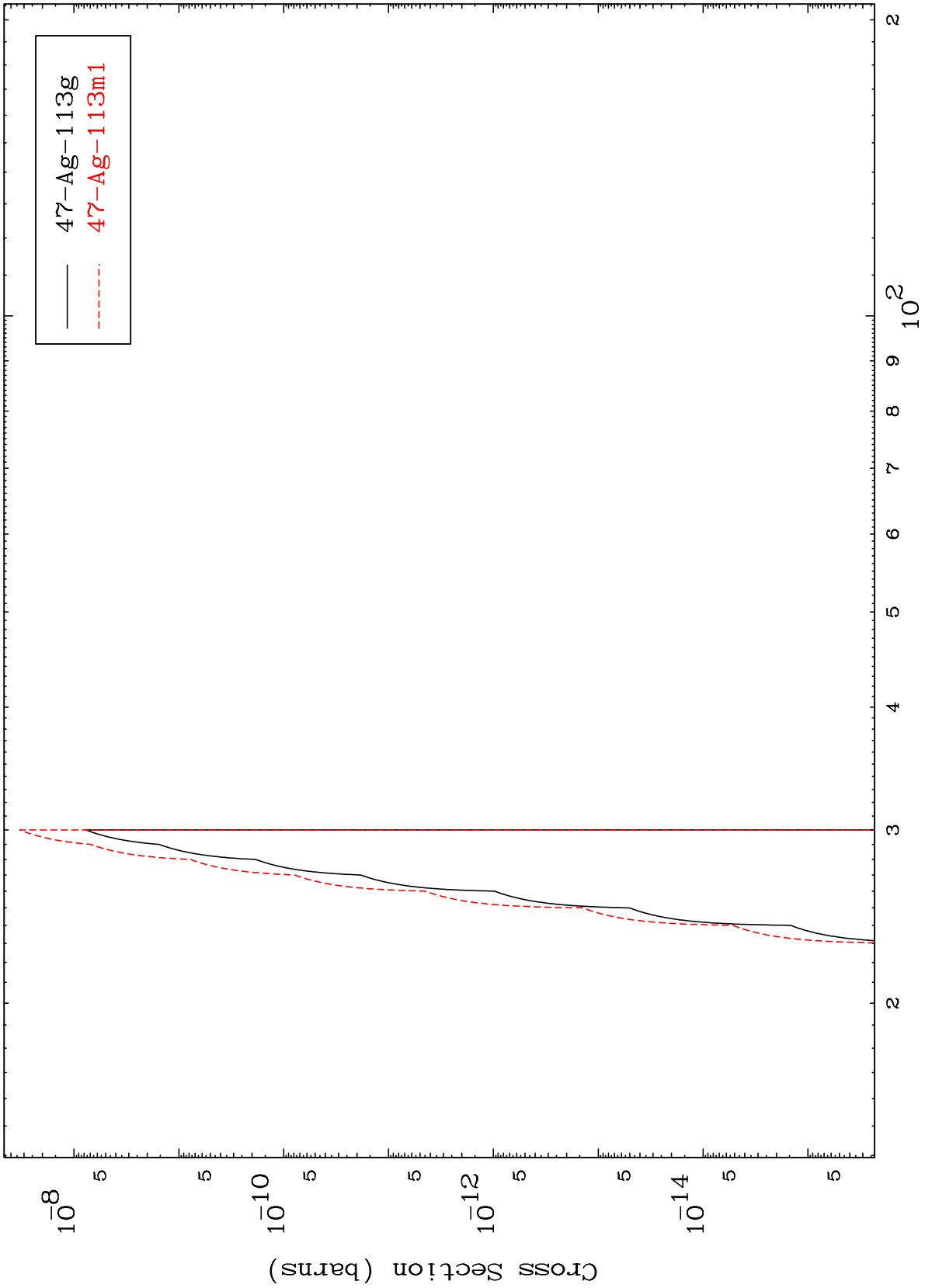
Incident Energy (MeV)

50-Sn-118

MAT 5043

50-Sn-118

(n,n') p α
Radionuclide Production Cross Section



140

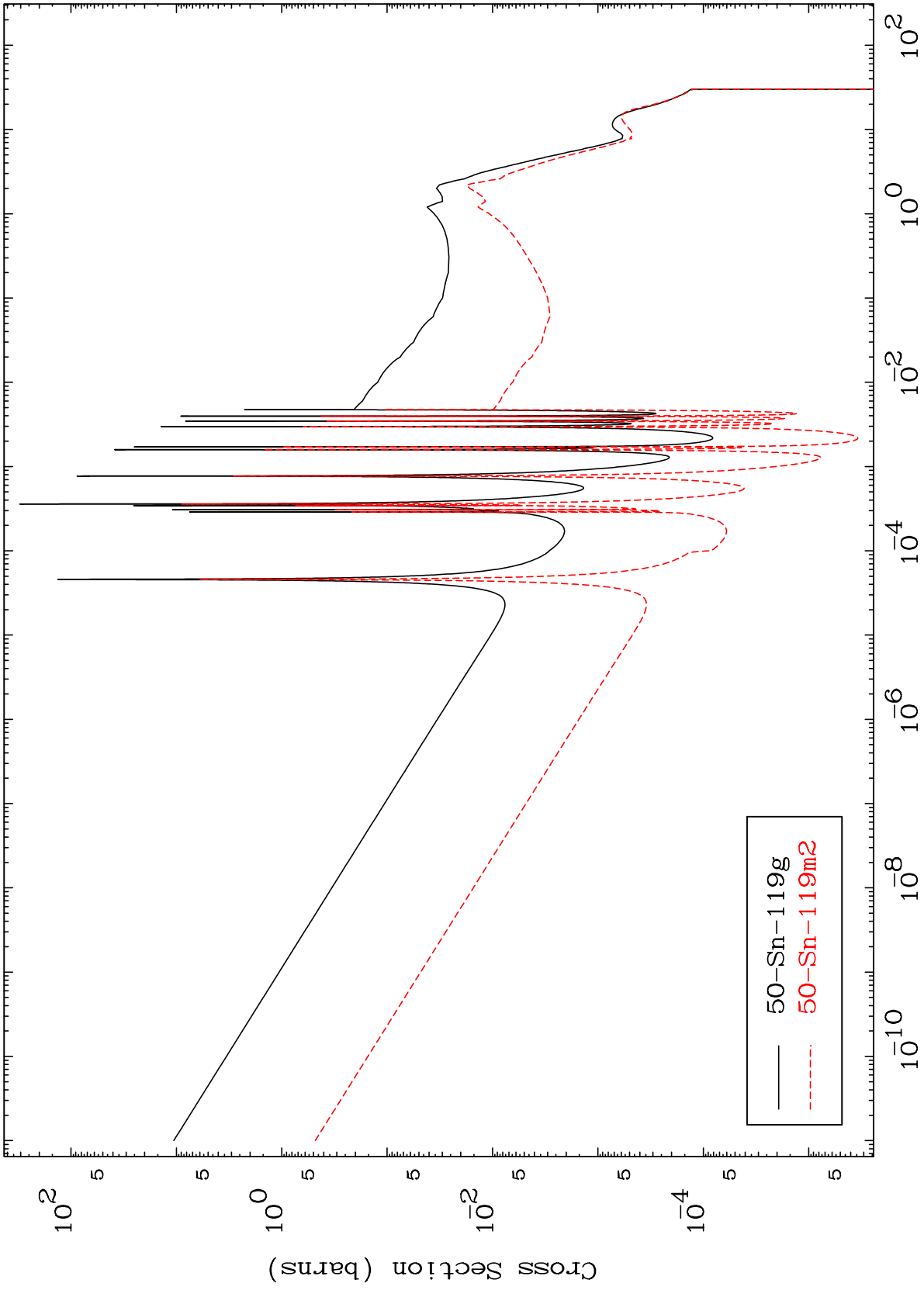
50-Sn-118

Incident Energy (MeV)

MAT 5043

50-Sn-118

Radionuclide Production Cross Section
(n,γ)



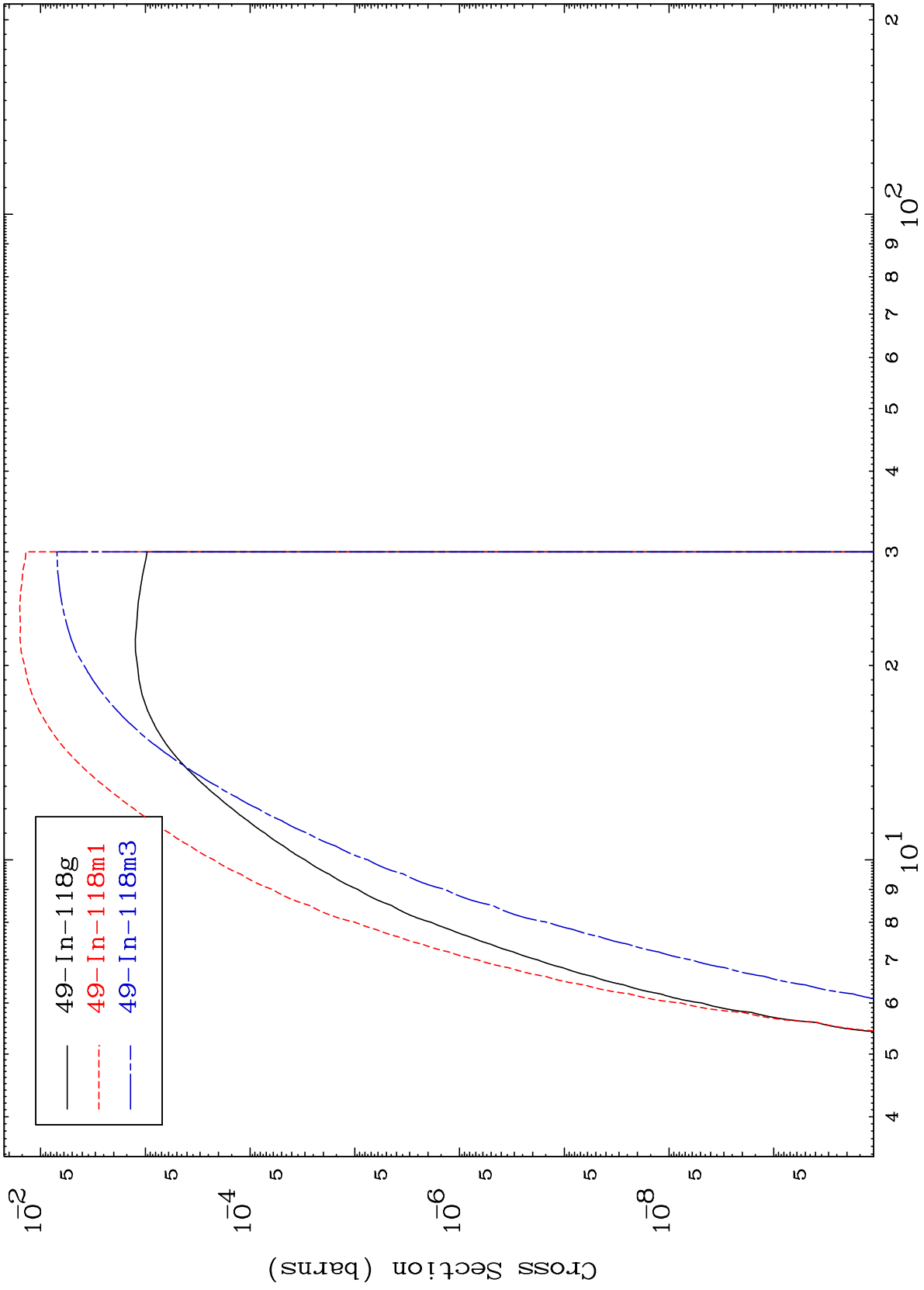
141

50-Sn-118

MAT 5043

50-Sn-118

(n,p)
Radionuclide Production Cross Section



142

Incident Energy (MeV)

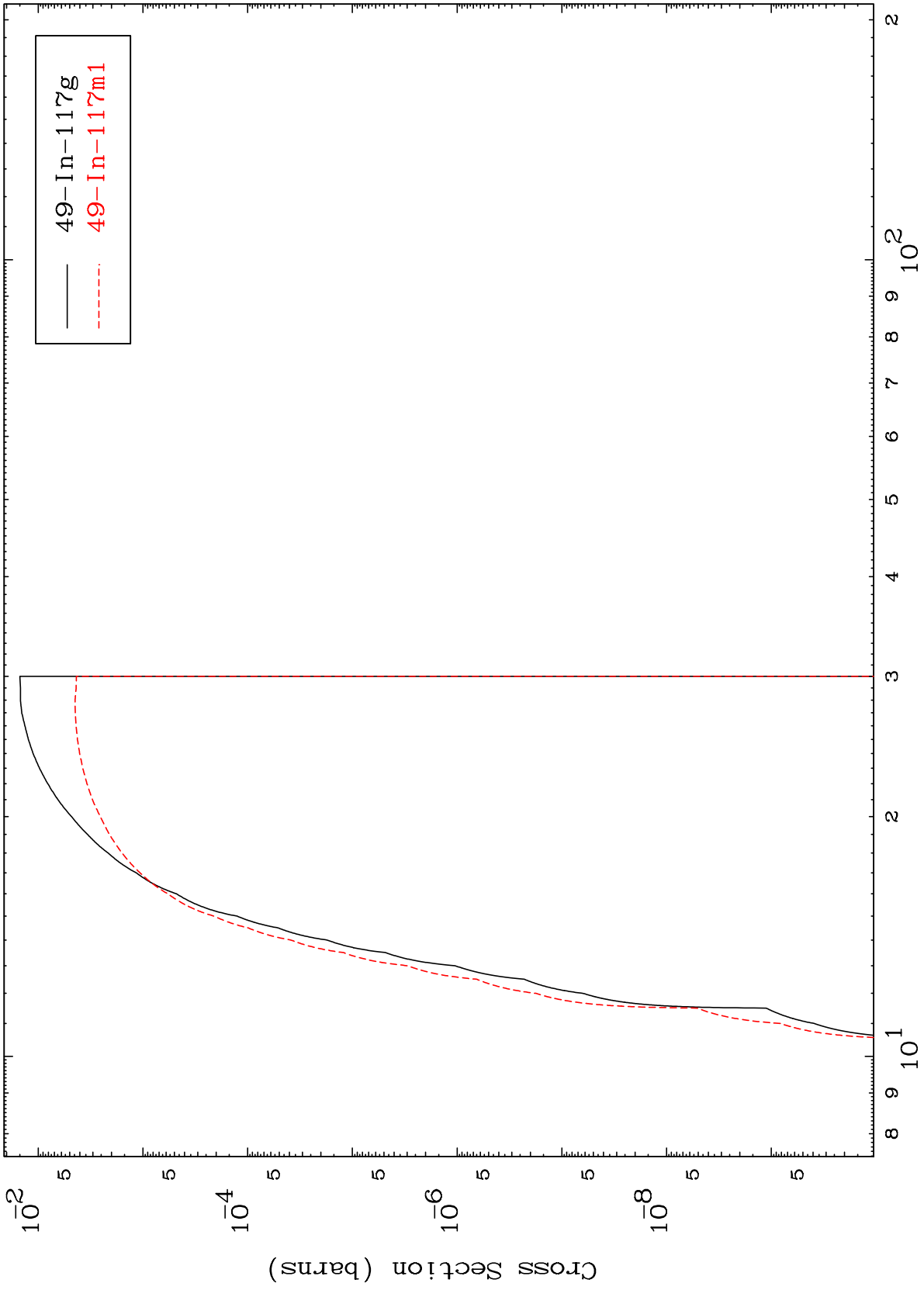
50-Sn-118

MAT 5043

(n,d)

50-Sn-118

Radionuclide Production Cross Section



143

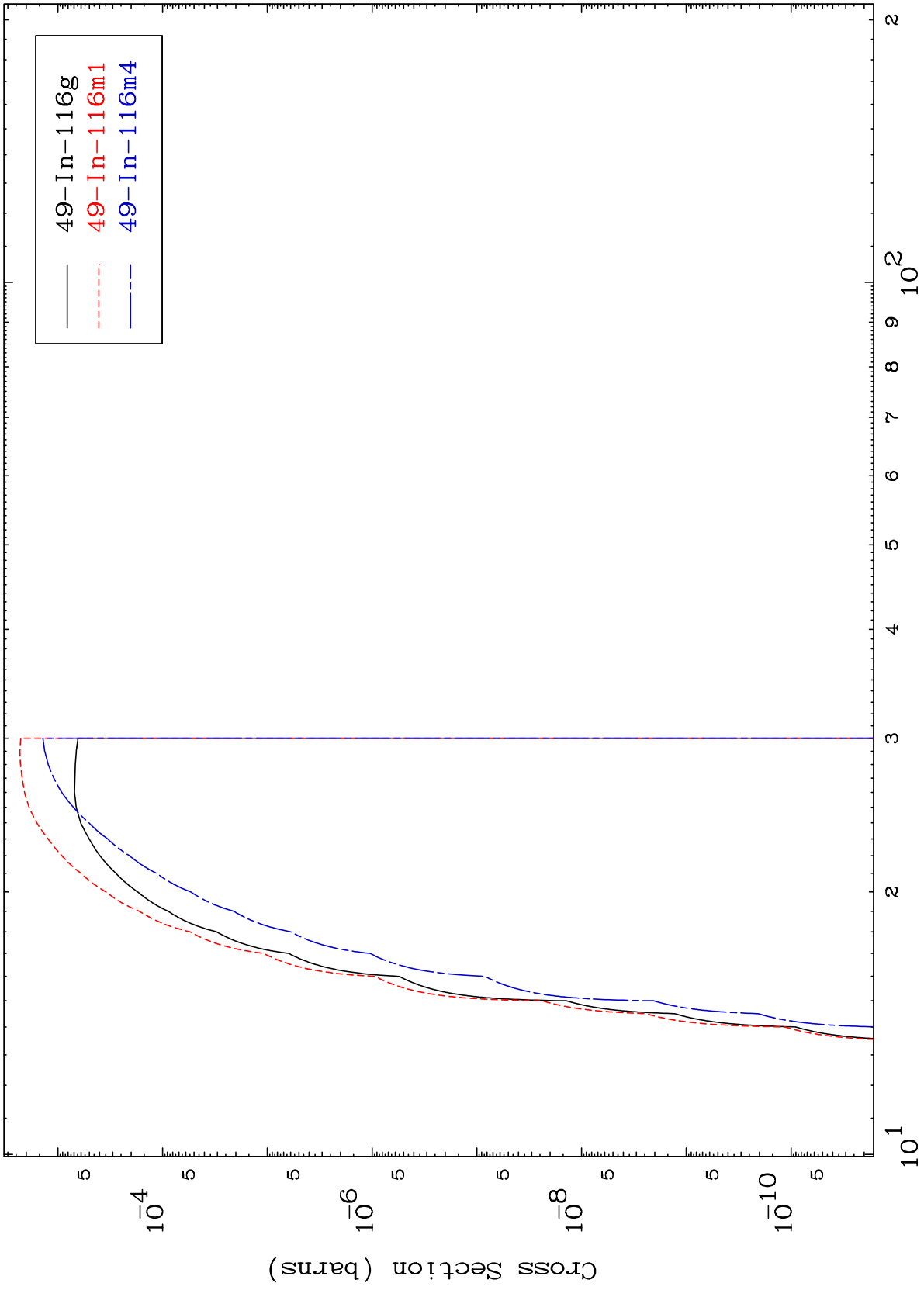
Incident Energy (MeV)

50-Sn-118

MAT 5043

50-Sn-118

(n, t)
Radionuclide Production Cross Section



144

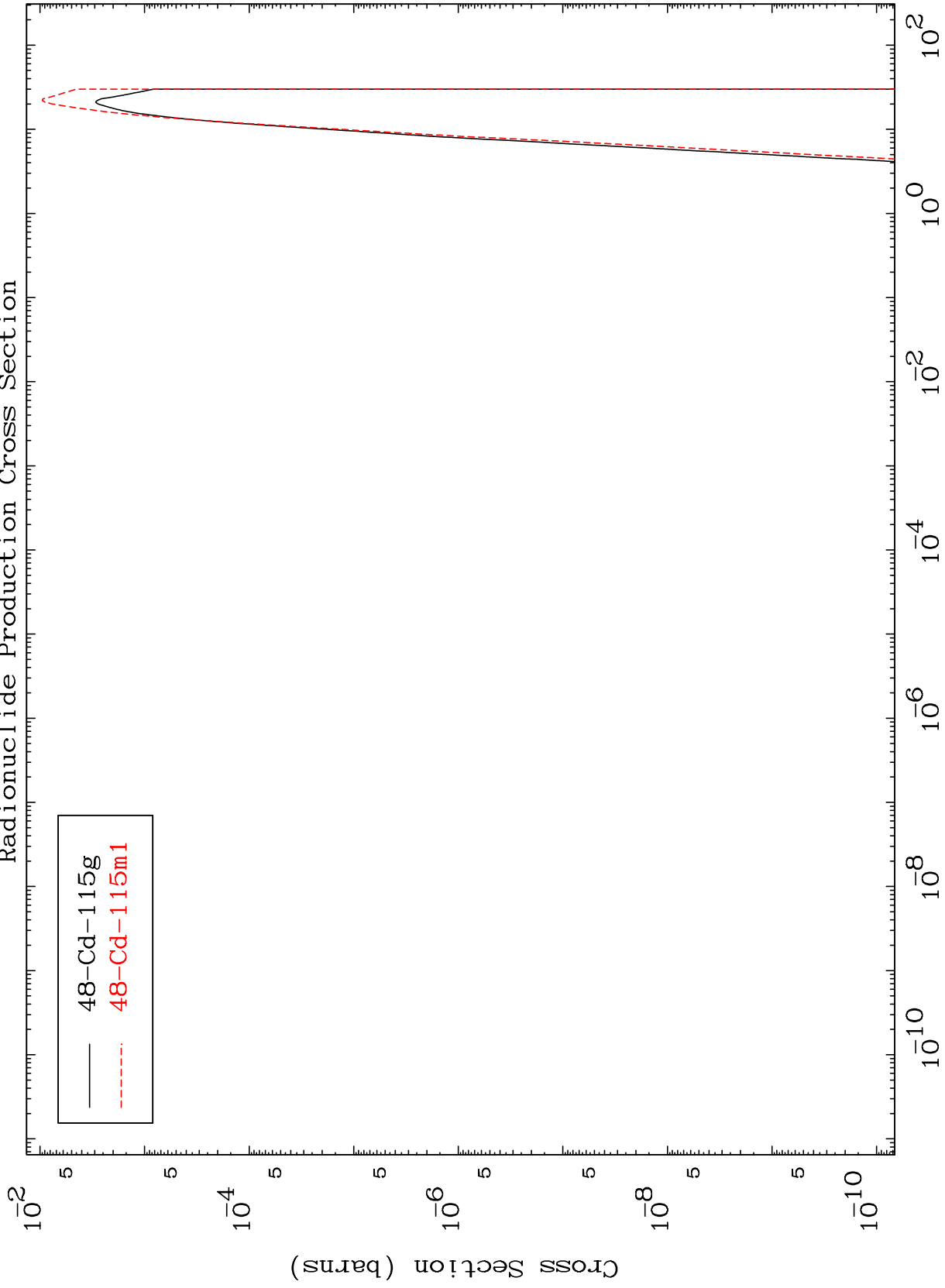
Incident Energy (MeV)

50-Sn-118

MAT 5043

(n,α)
Radionuclide Production Cross Section

50-Sn-118



48-Cd-115g
48-Cd-115m1

145

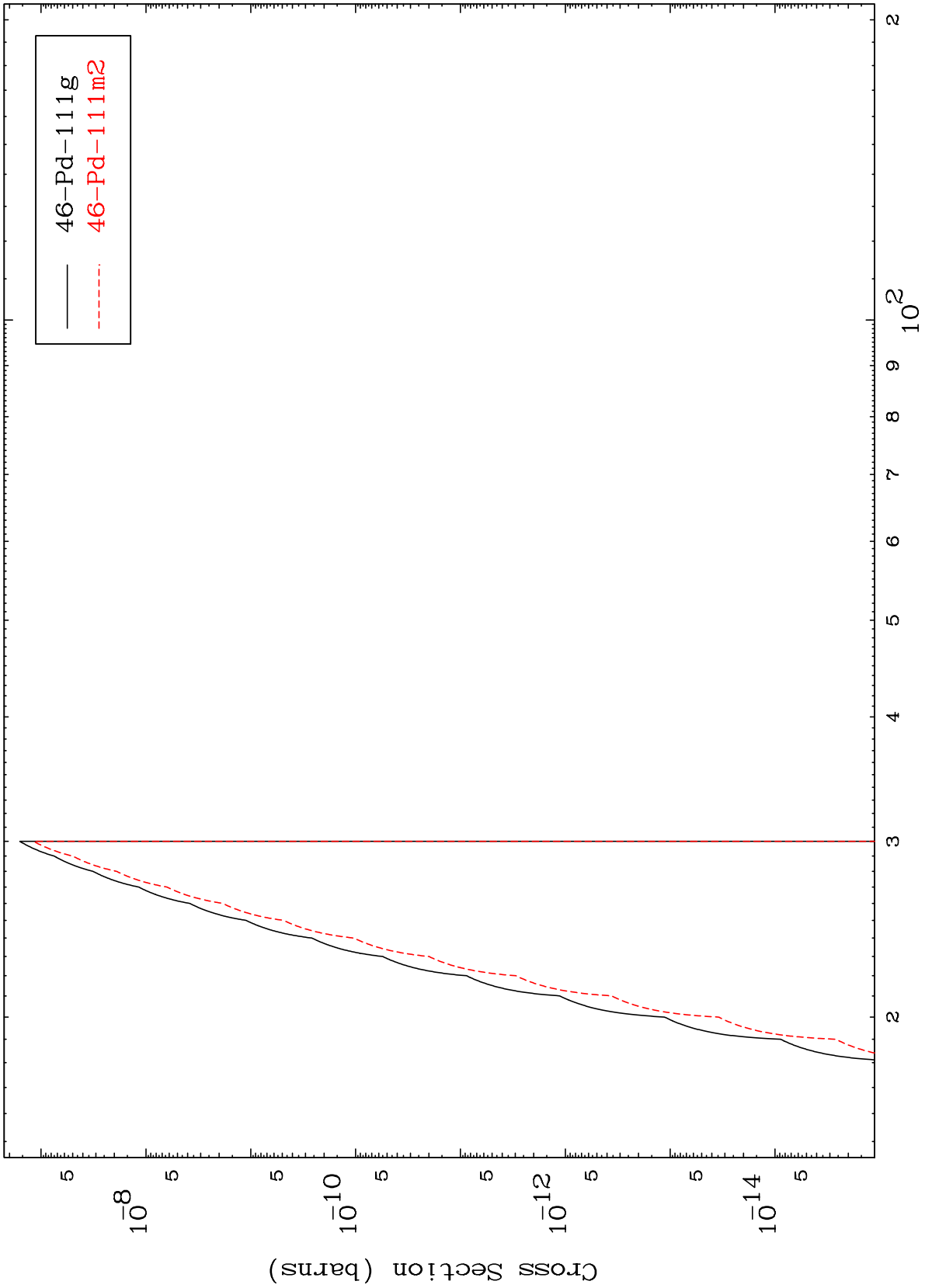
Incident Energy (MeV)

50-Sn-118

MAT 5043

50-Sn-118

(n,2α)
Radionuclide Production Cross Section



146

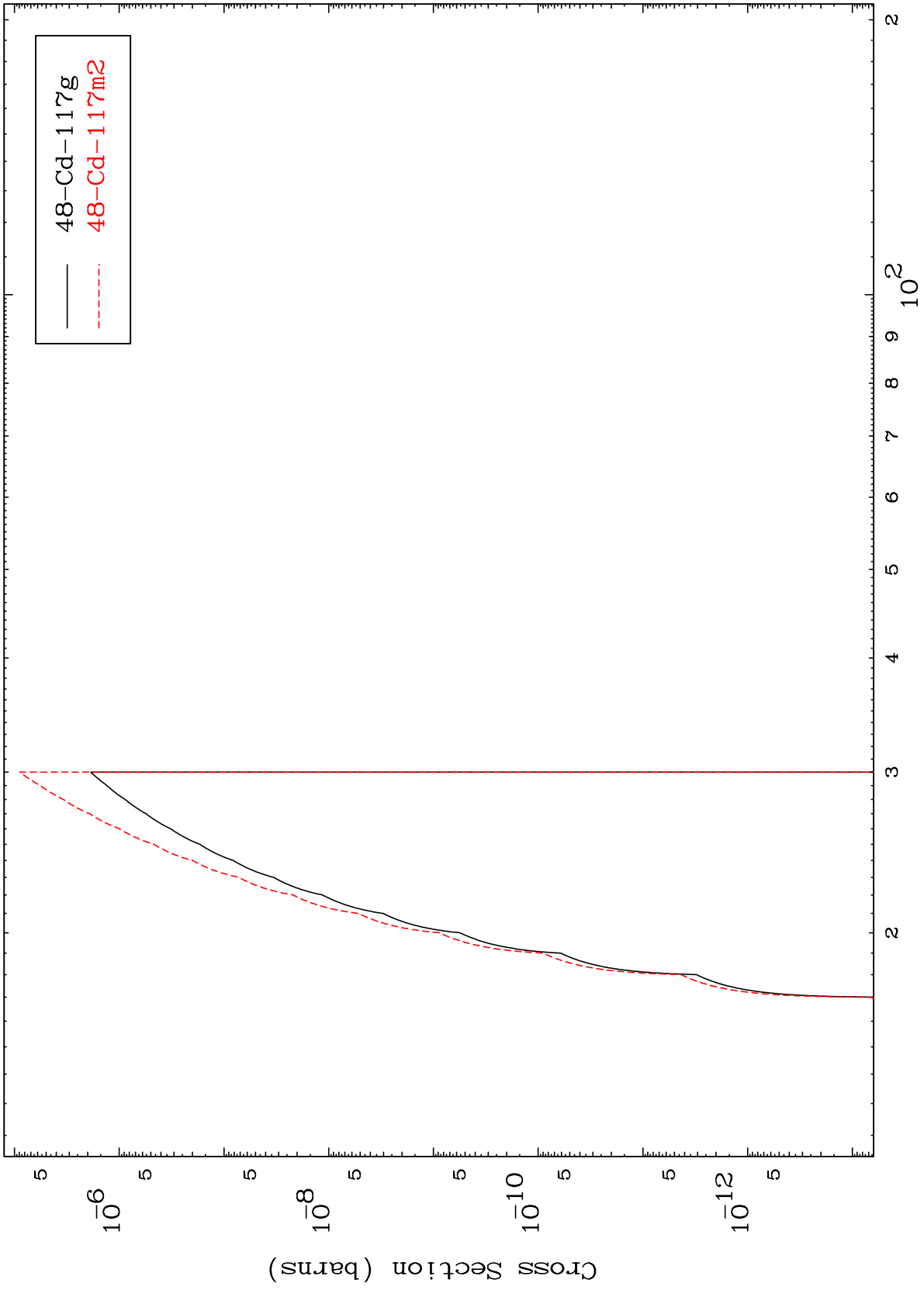
Incident Energy (MeV)

50-Sn-118

MAT 5043

50-Sn-118

(n,2p)
Radionuclide Production Cross Section



147

50-Sn-118

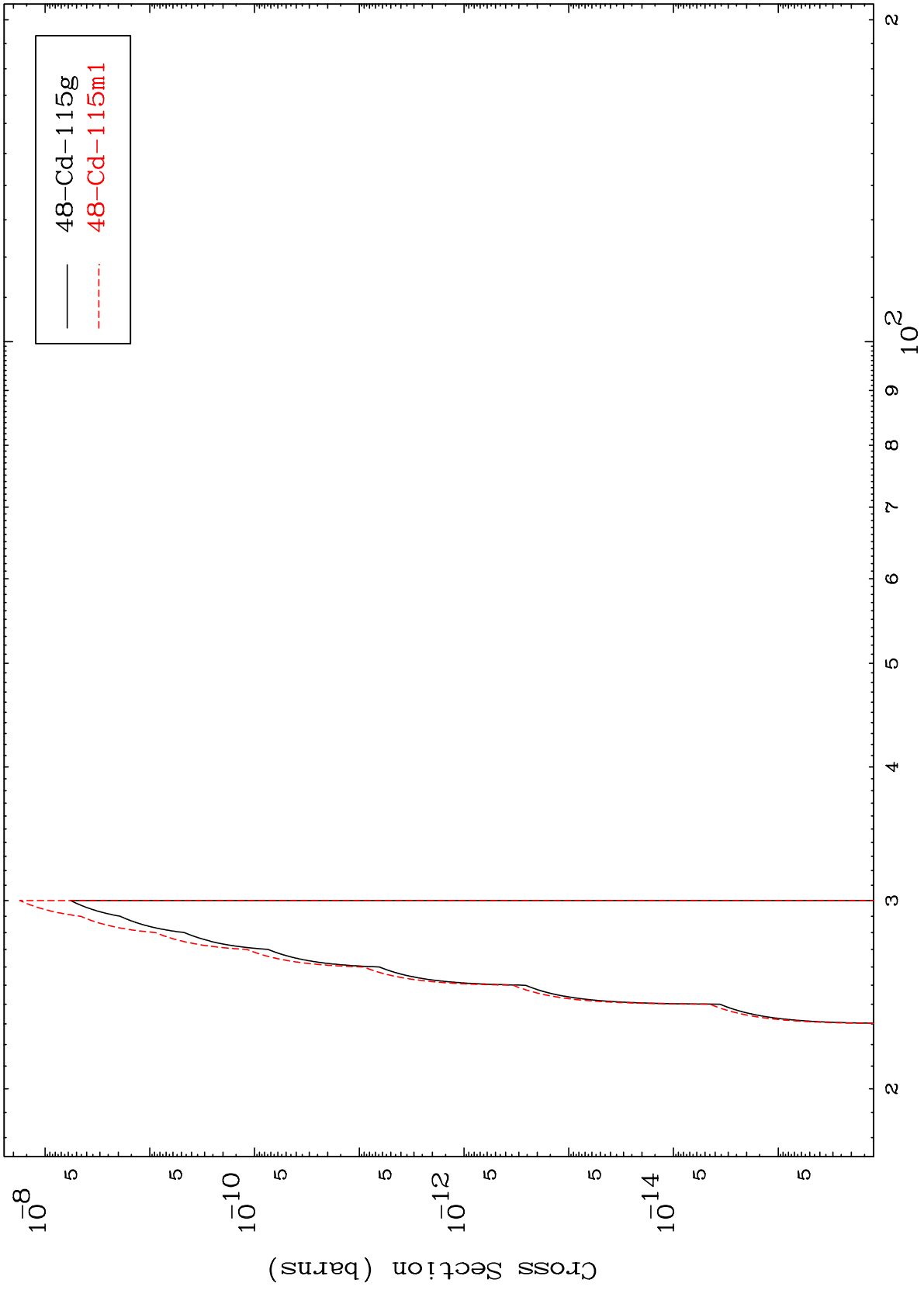
Incident Energy (MeV)

MAT 5043

(n,p) t

50-Sn-118

Radionuclide Production Cross Section



148

Incident Energy (MeV)

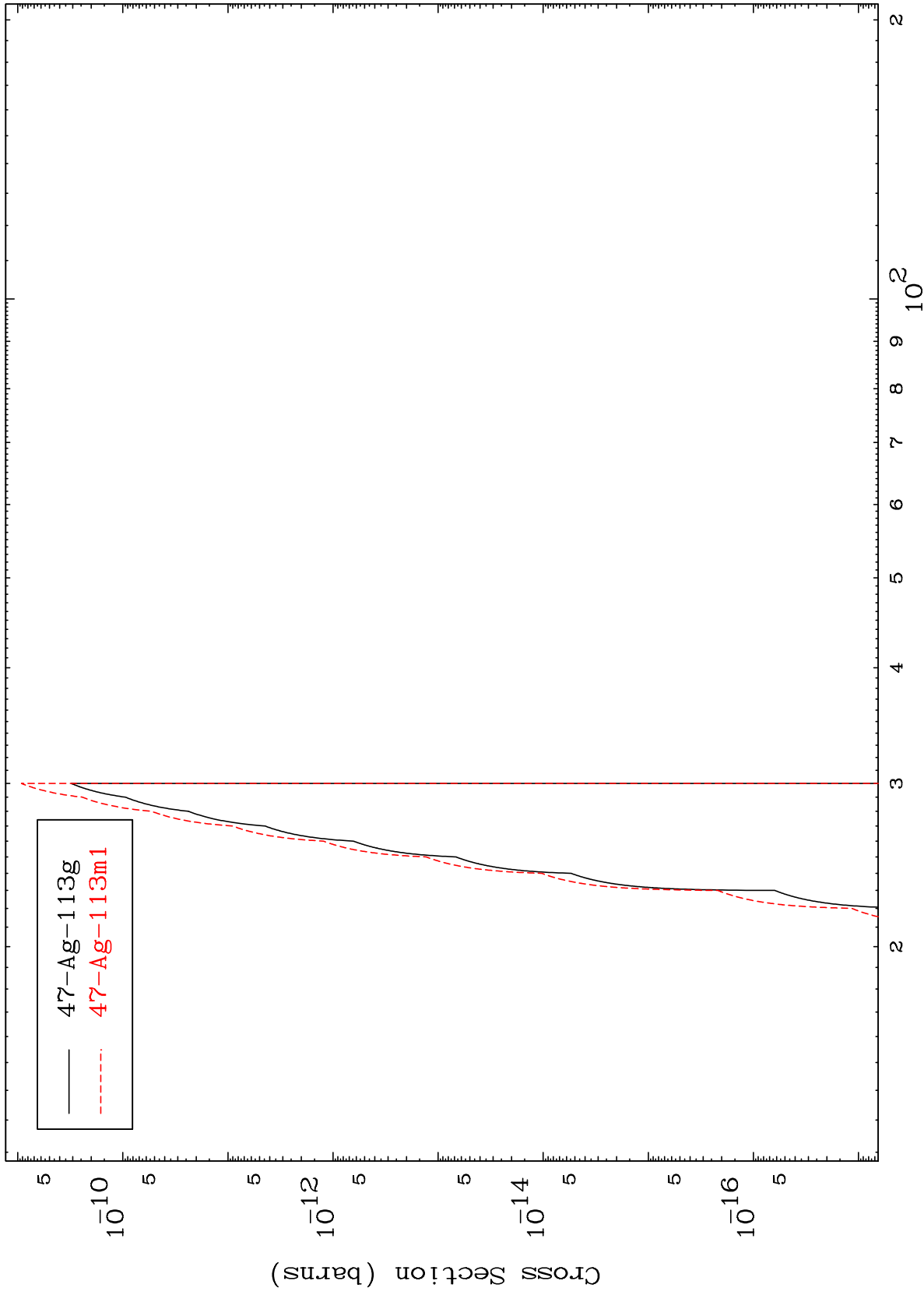
50-Sn-118

MAT 5043

(n,d) α

50-Sn-118

Radionuclide Production Cross Section



149

Incident Energy (MeV)

50-Sn-118