

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

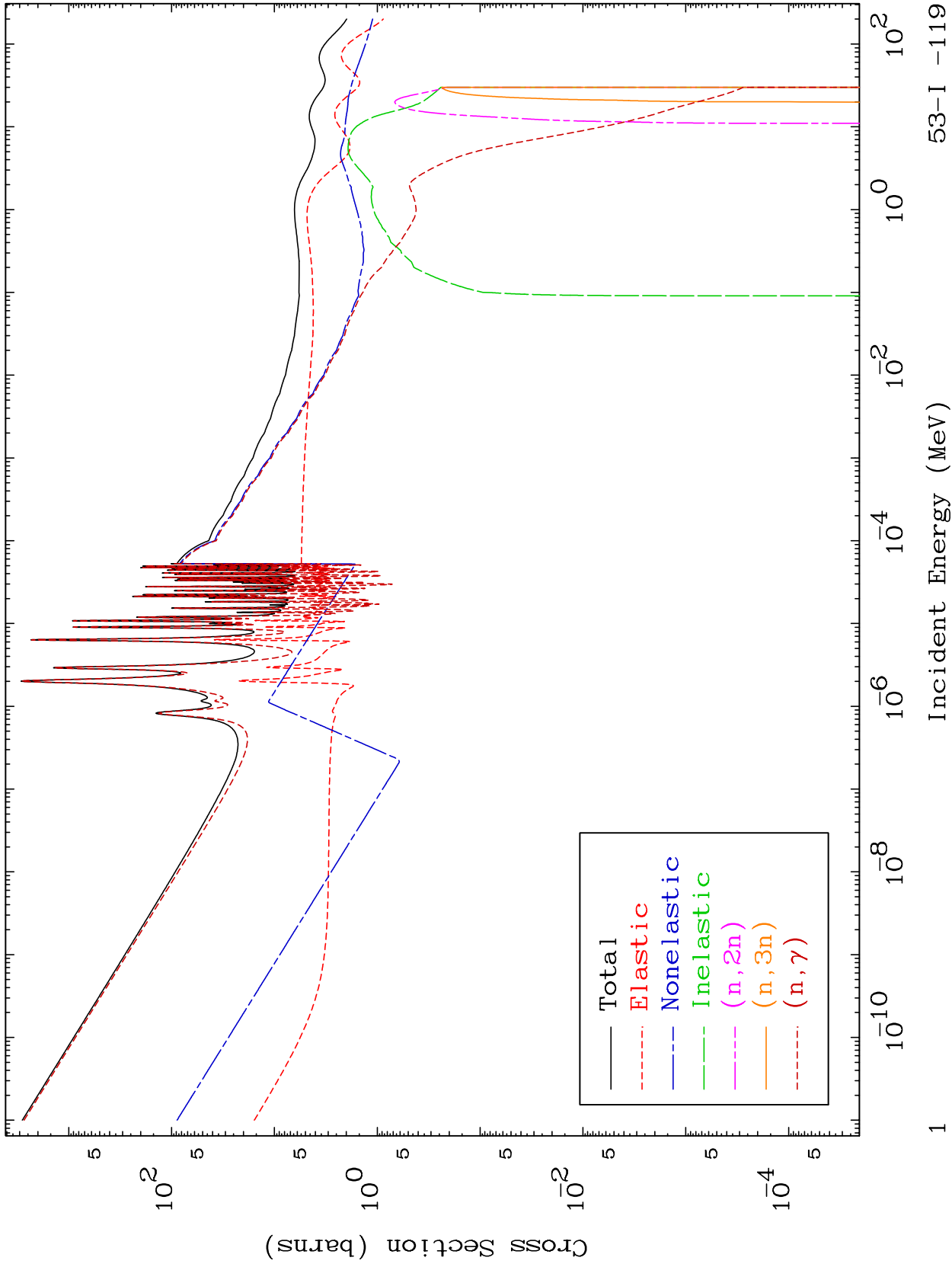
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

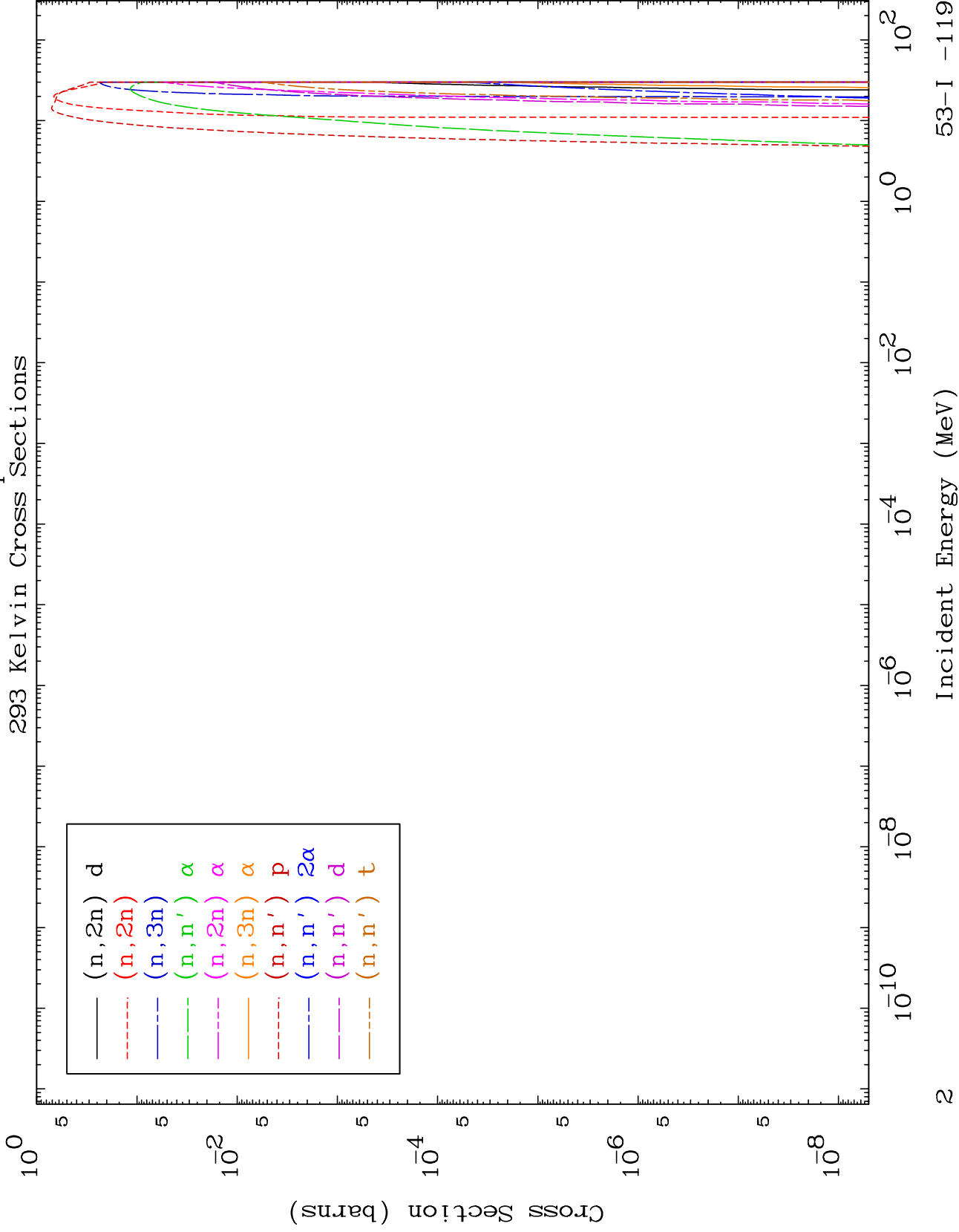
Press Mouse Button to Start

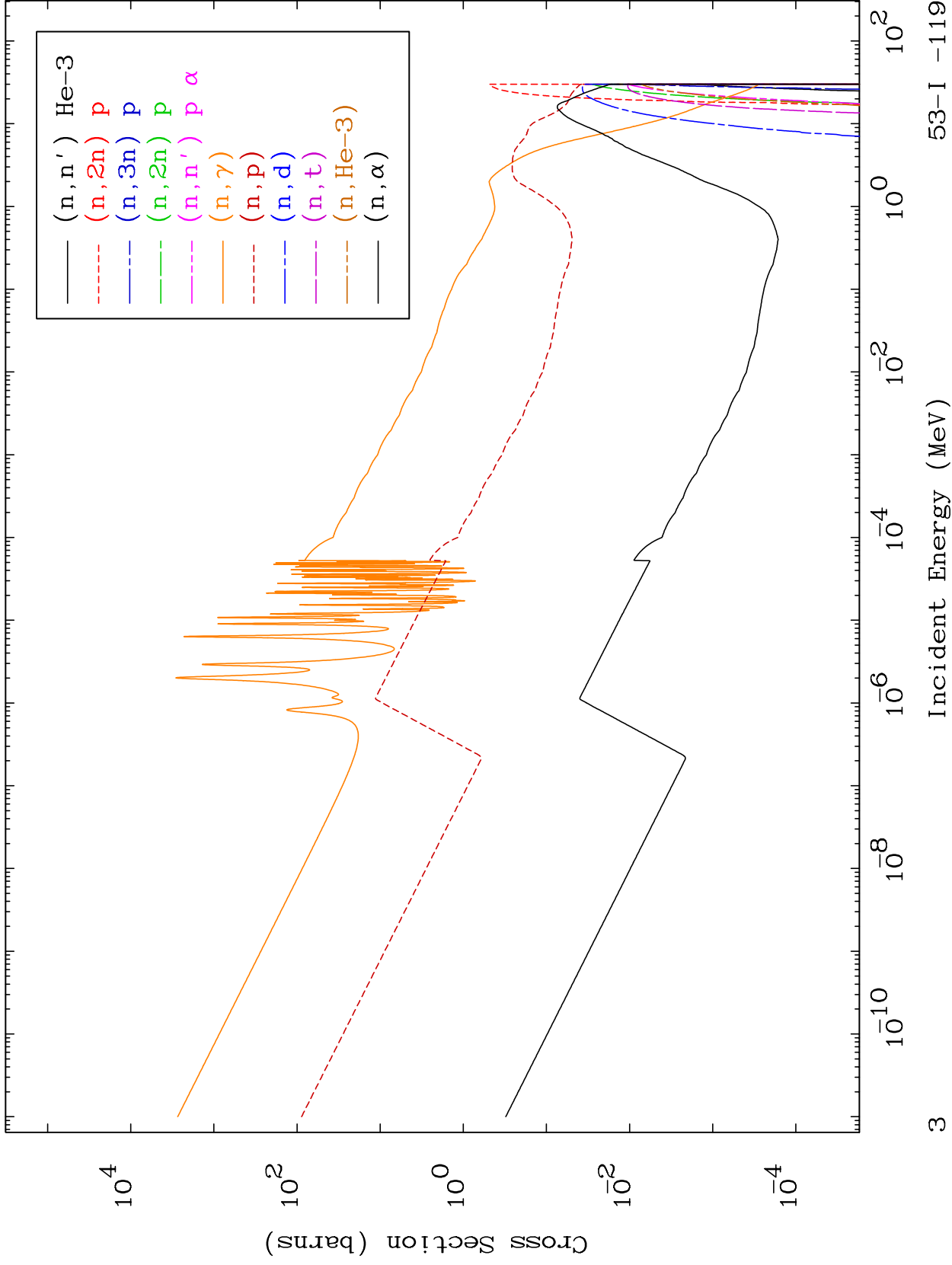


MAT 5301

Neutron Absorption
293 Kelvin Cross Sections

53-I -119

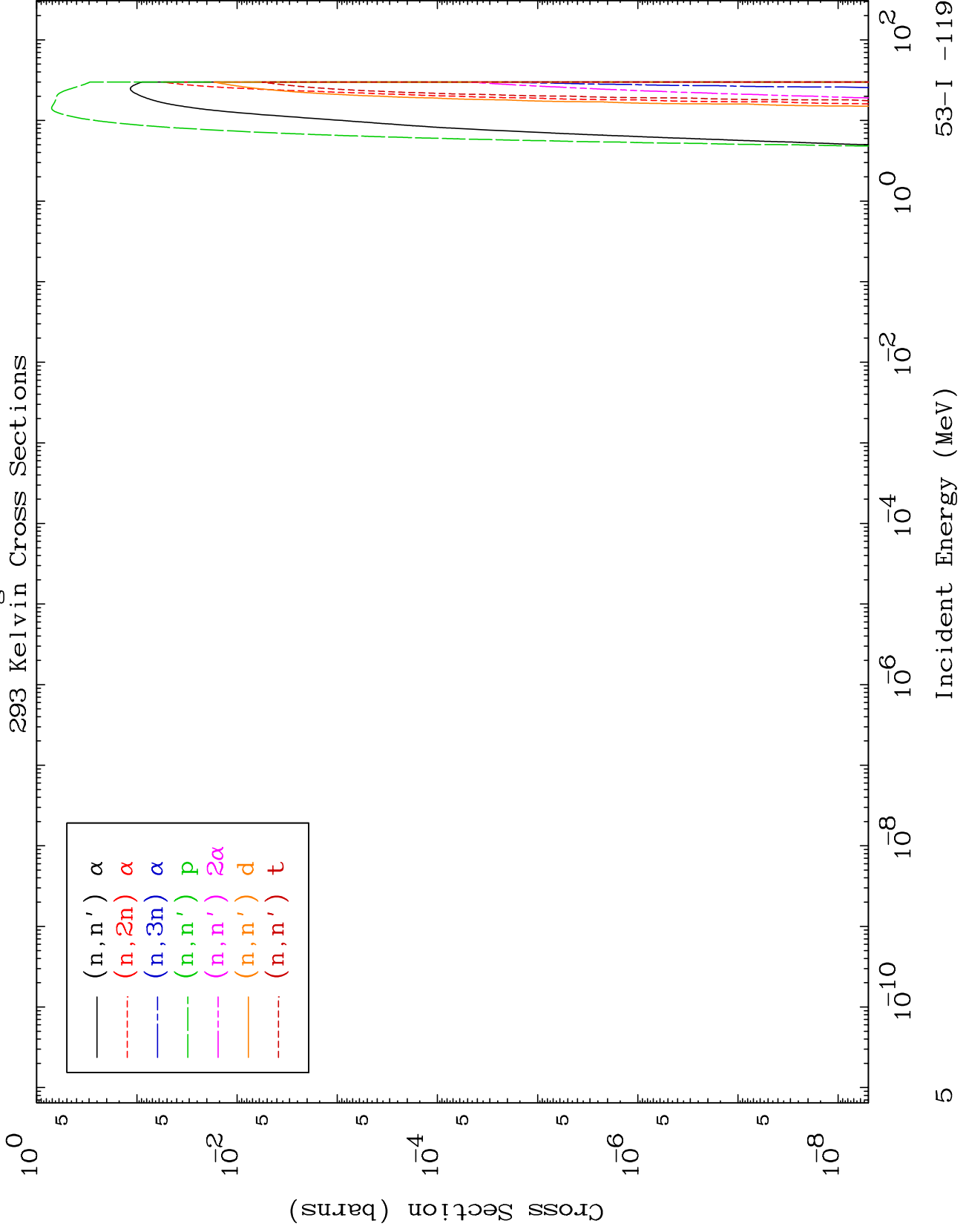


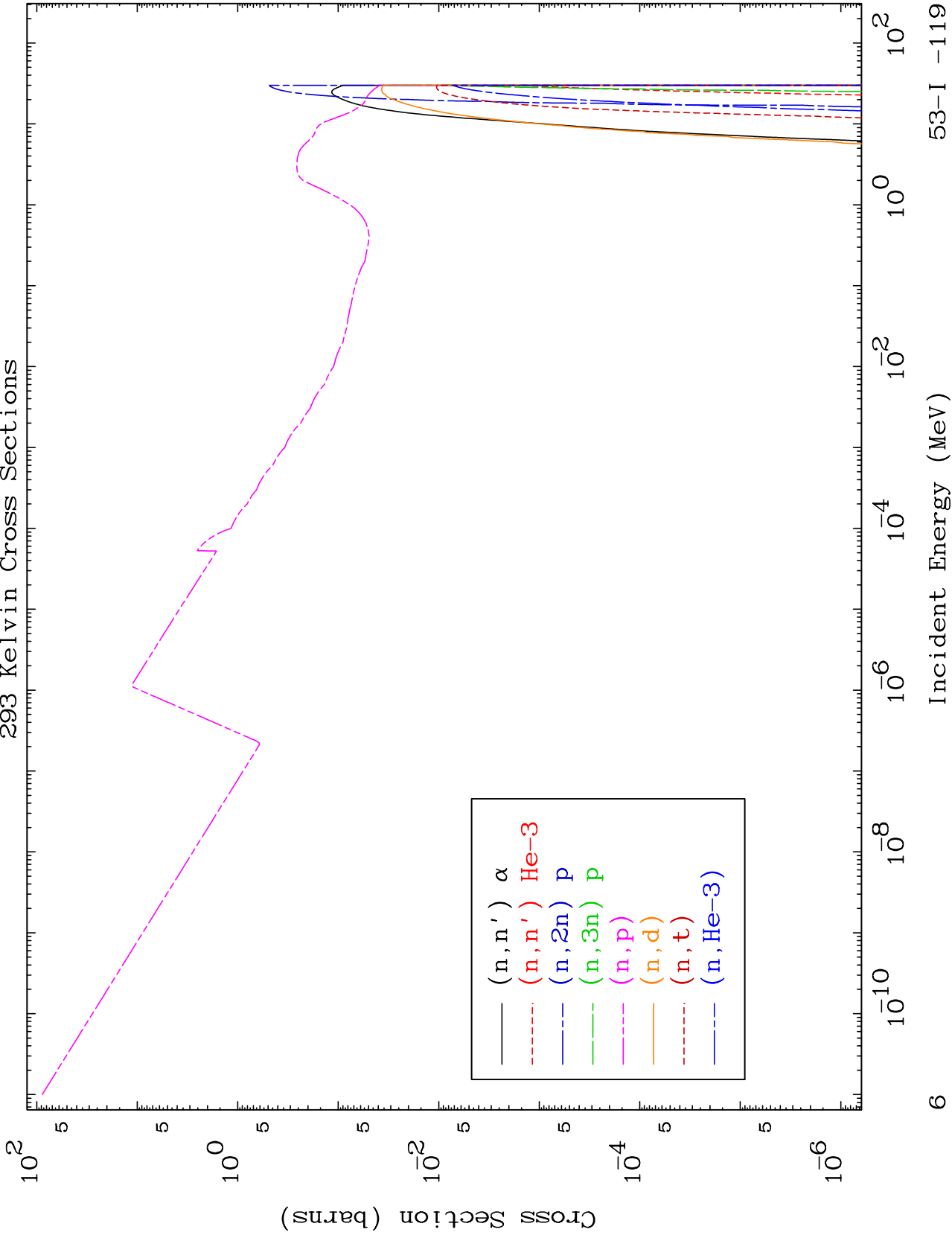


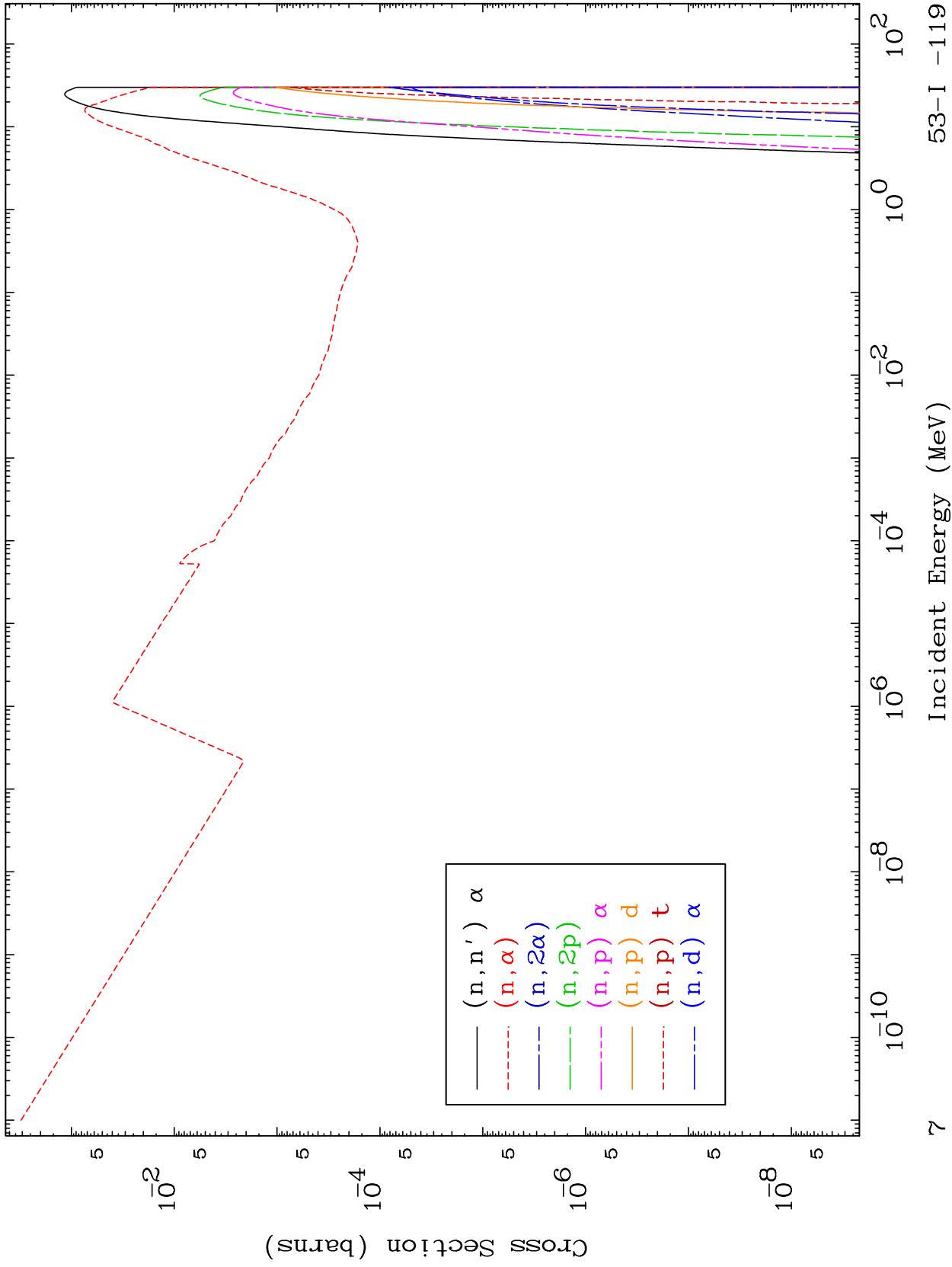
MAT 5301

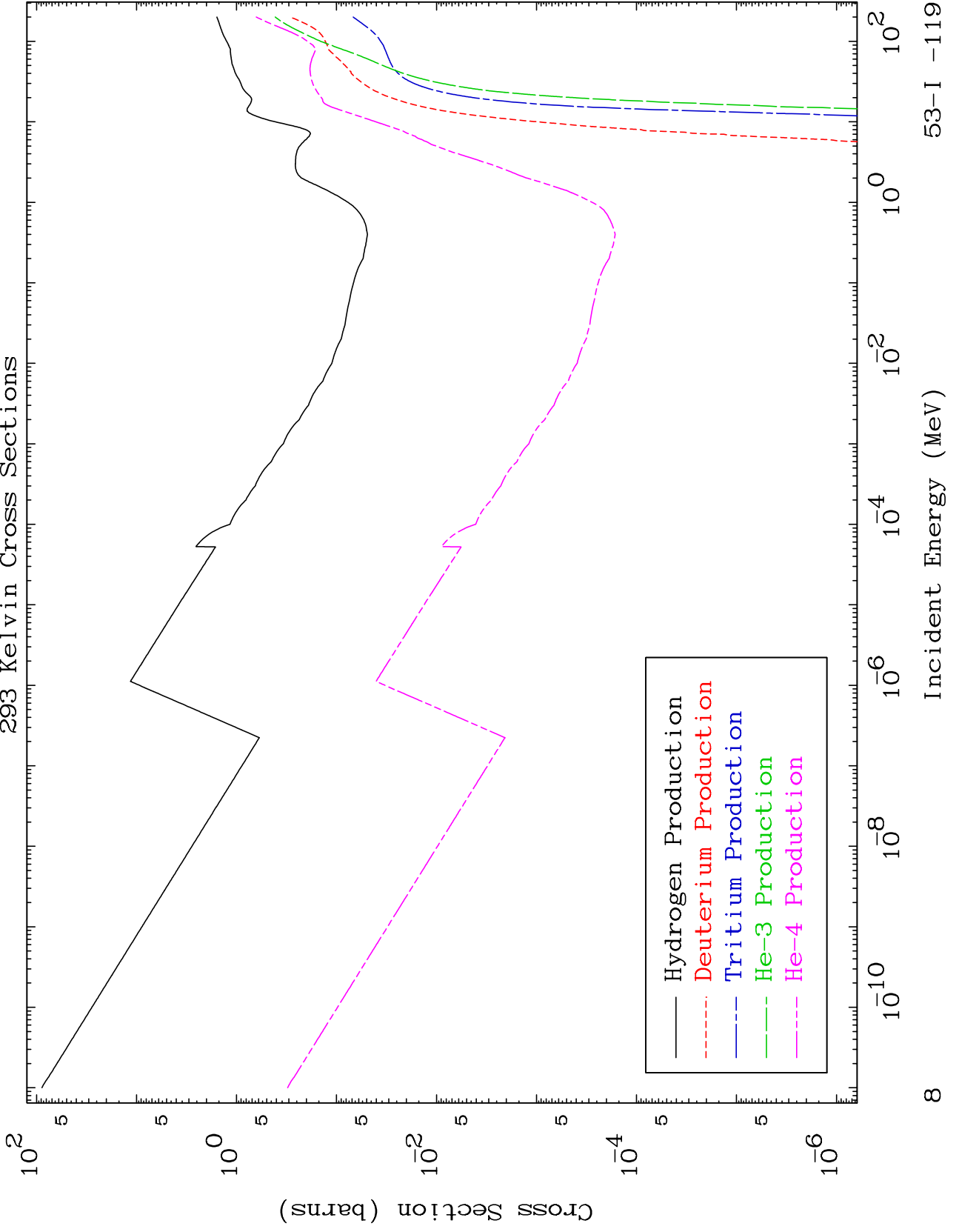
Charged Particle
293 Kelvin Cross Sections

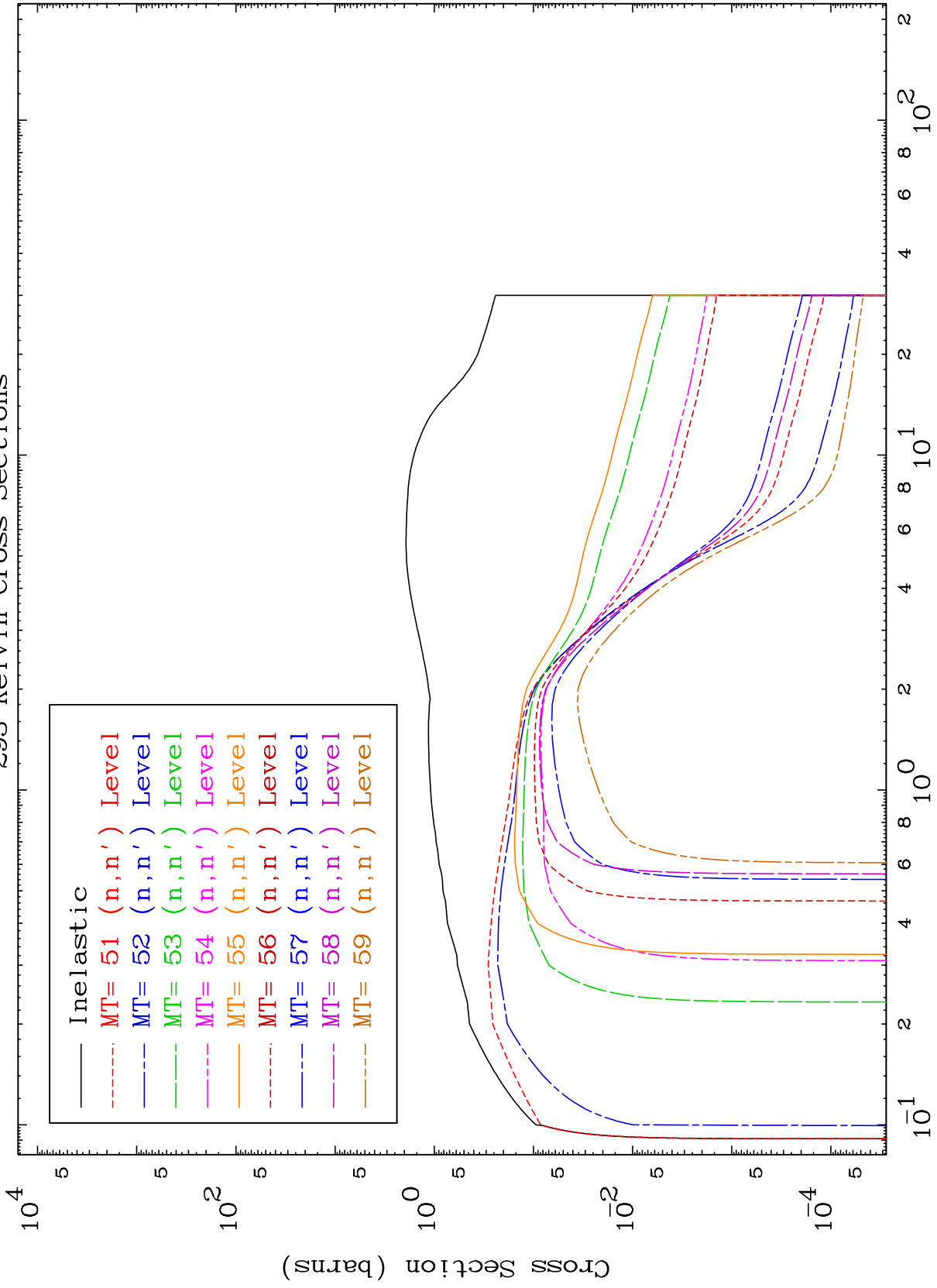
53-I -119

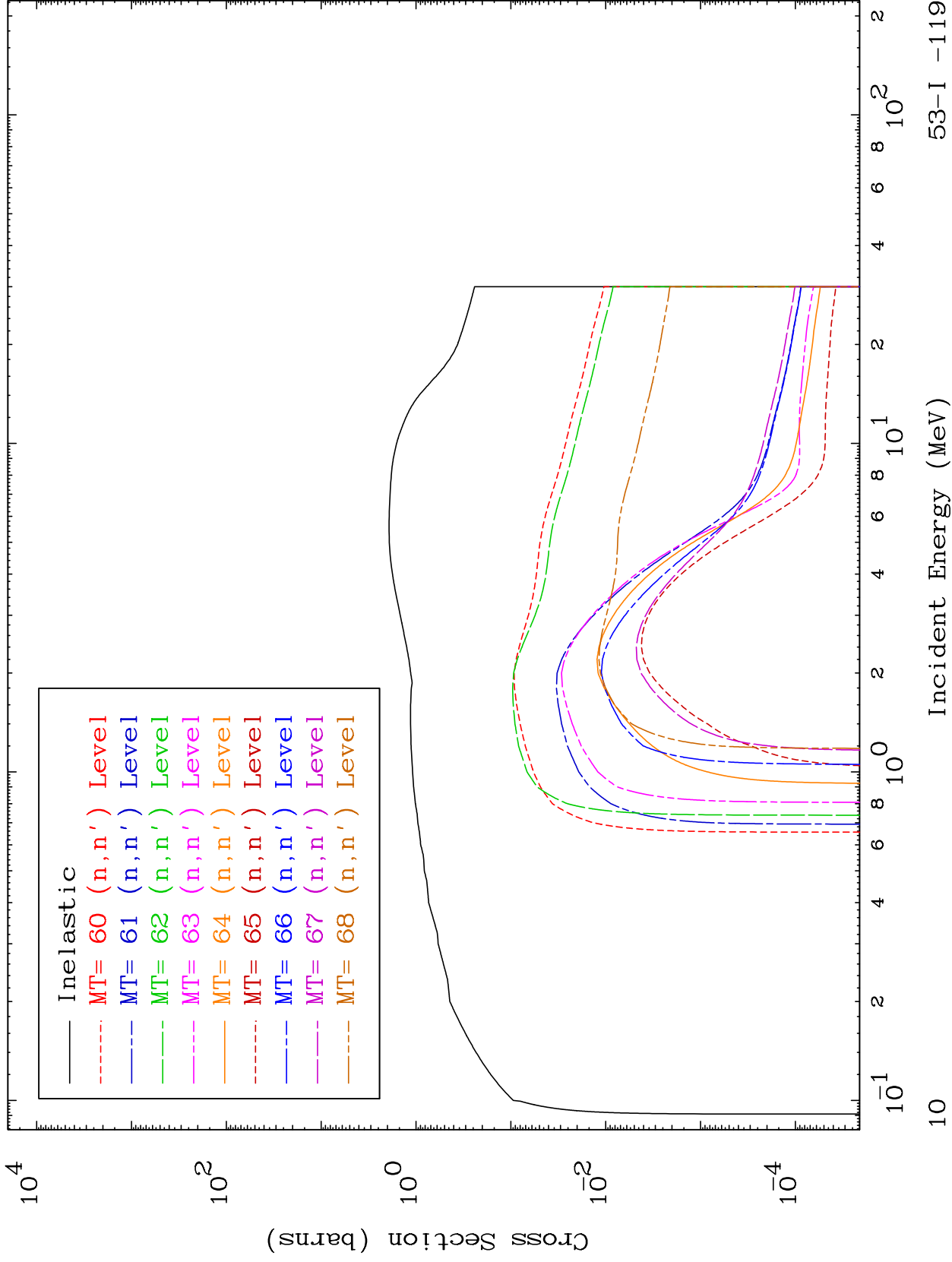


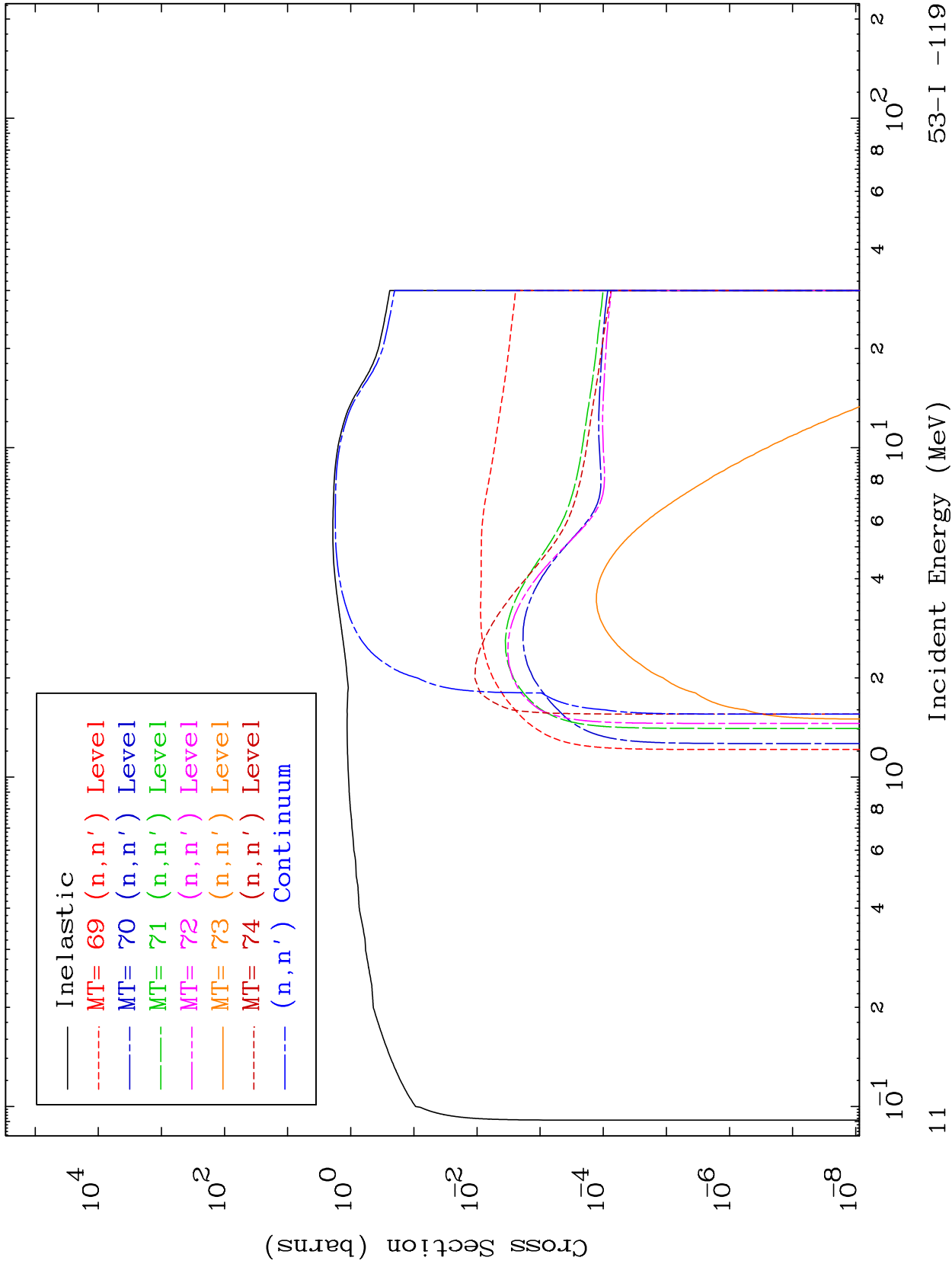








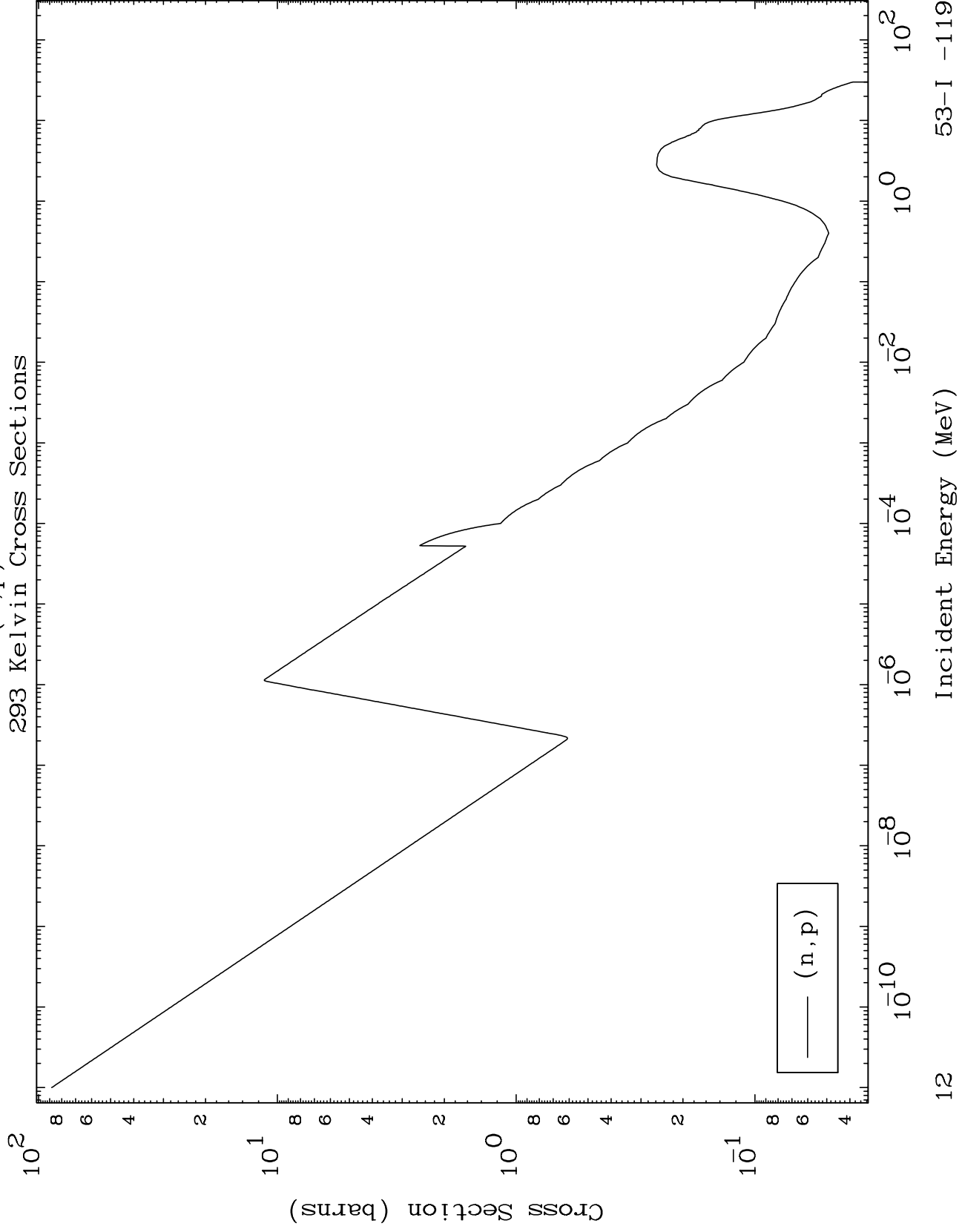




MAT 5301

(n,p) Levels
293 Kelvin Cross Sections

53-I -119



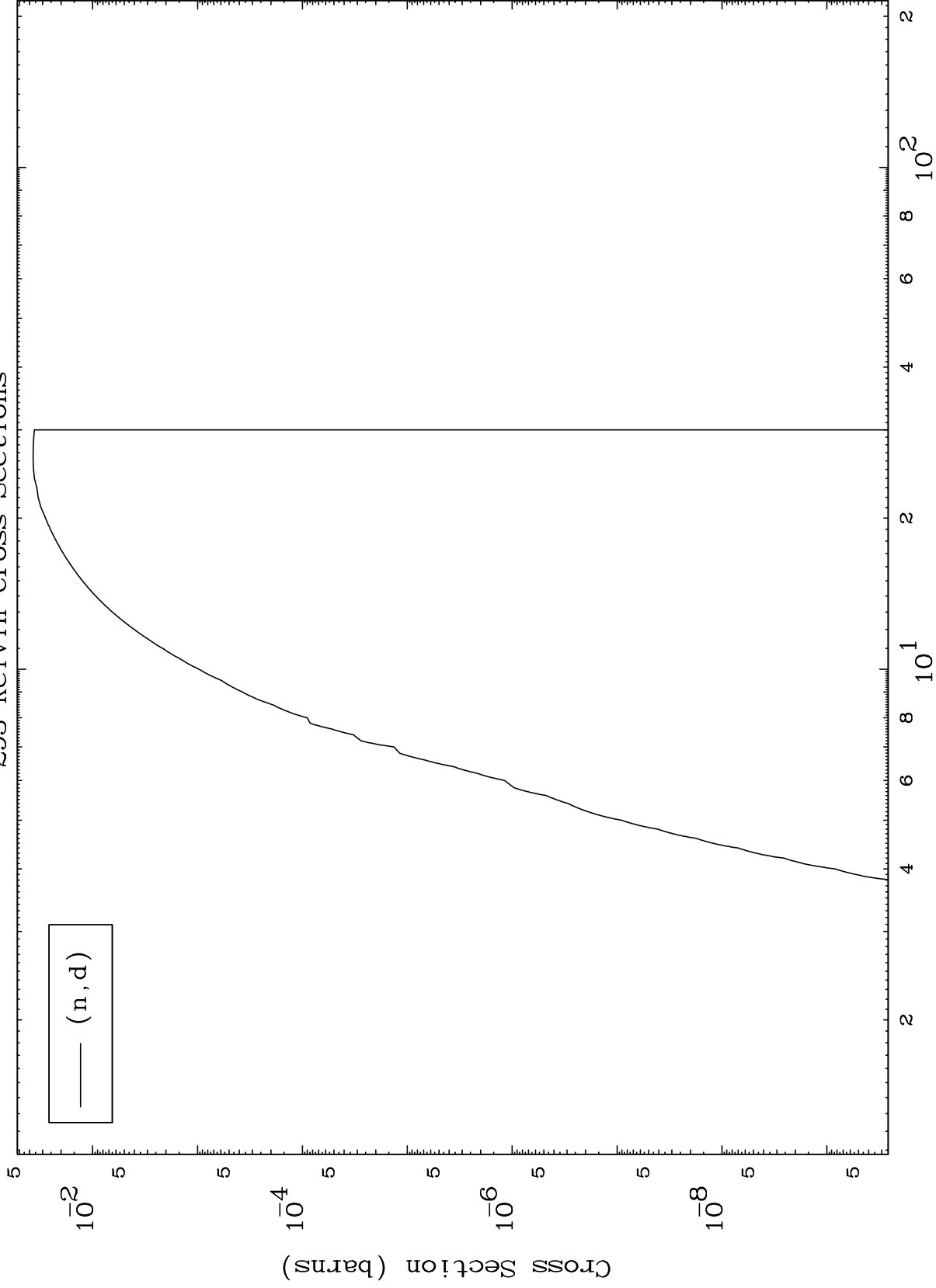
12

53-I -119

MAT 5301

(n,d) Levels
293 Kelvin Cross Sections

53-I -119



13

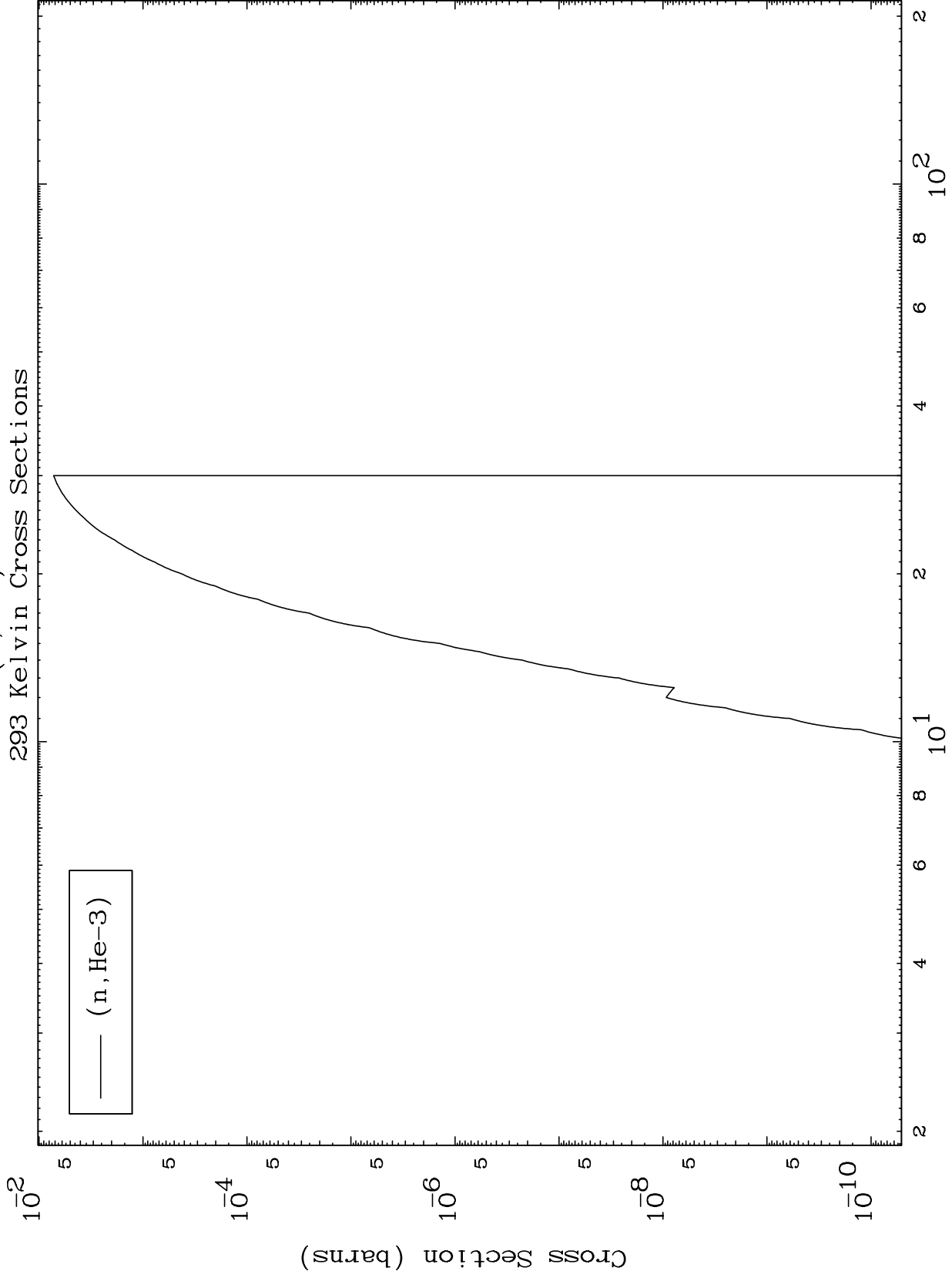
Incident Energy (MeV)

53-I -119

MAT 5301

(n,He3) Levels
293 Kelvin Cross Sections

53-I -119



15

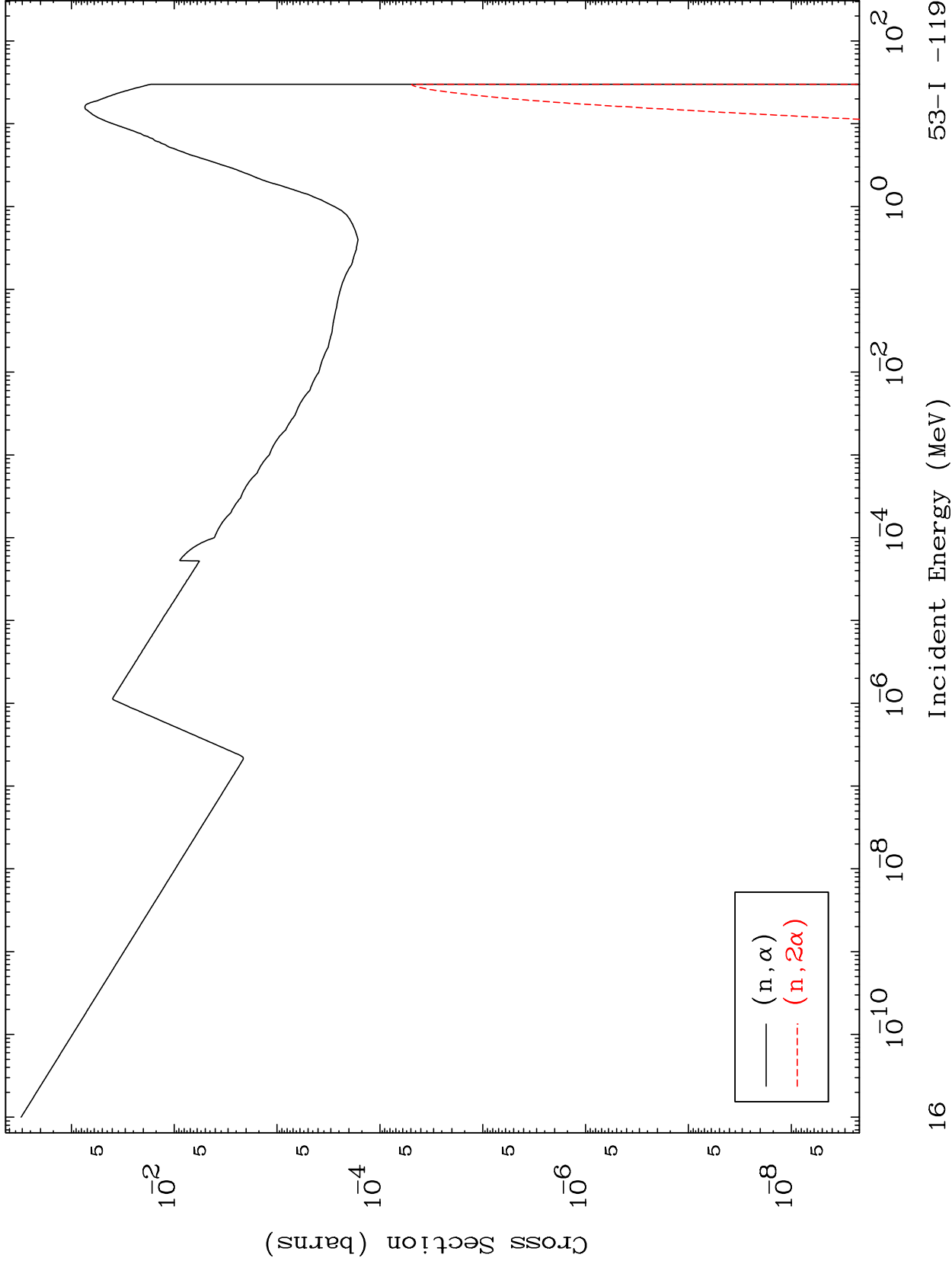
Incident Energy (MeV)

53-I -119

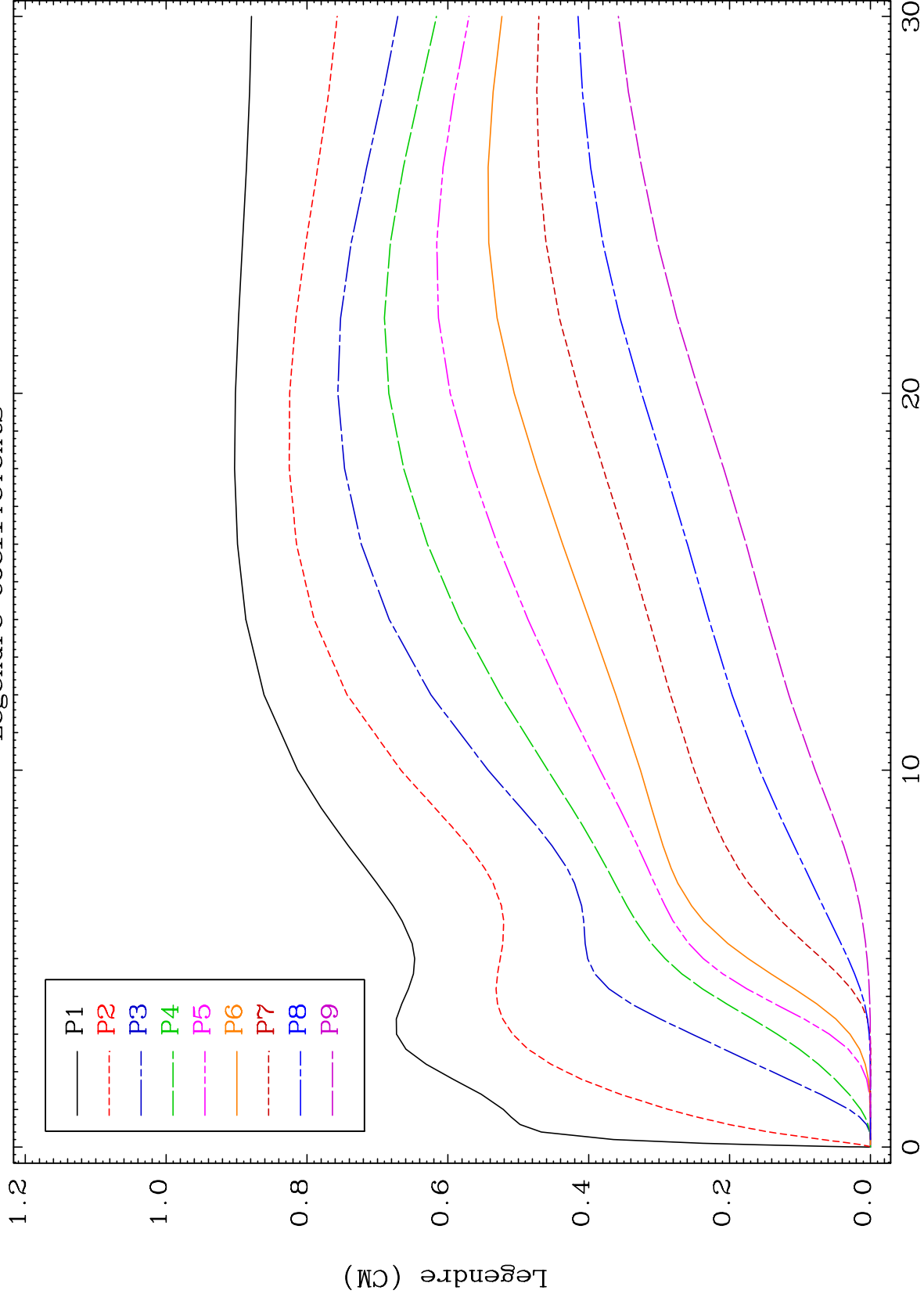
MAT 5301

(n, α) Levels
293 Kelvin Cross Sections

53-I -119



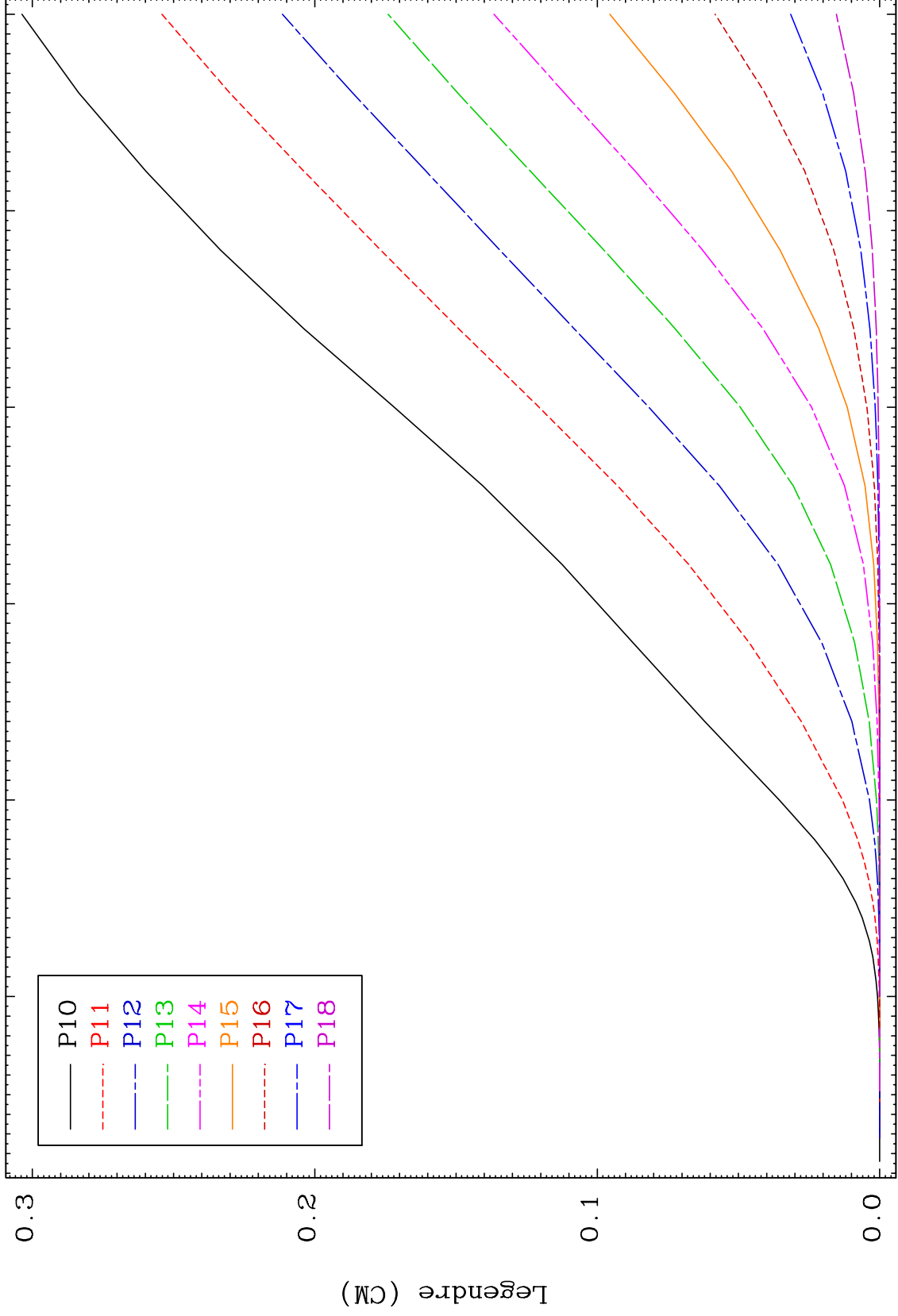
16



MAT 5301

Elastic
Legendre Coefficients

53-I -119



18

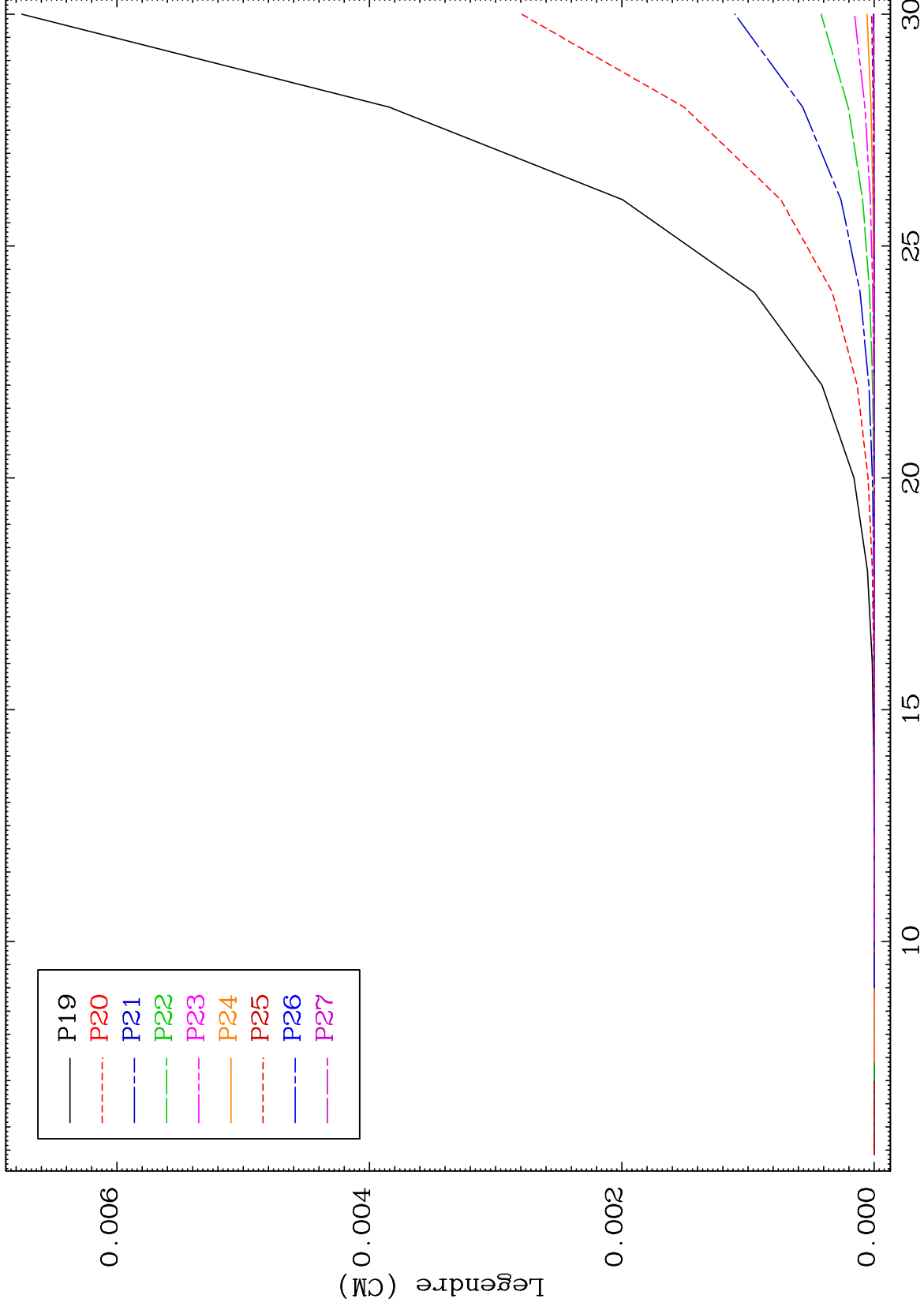
Incident Energy (MeV)

53-I -119

MAT 5301

Elastic Legendre Coefficients

53-I -119



19

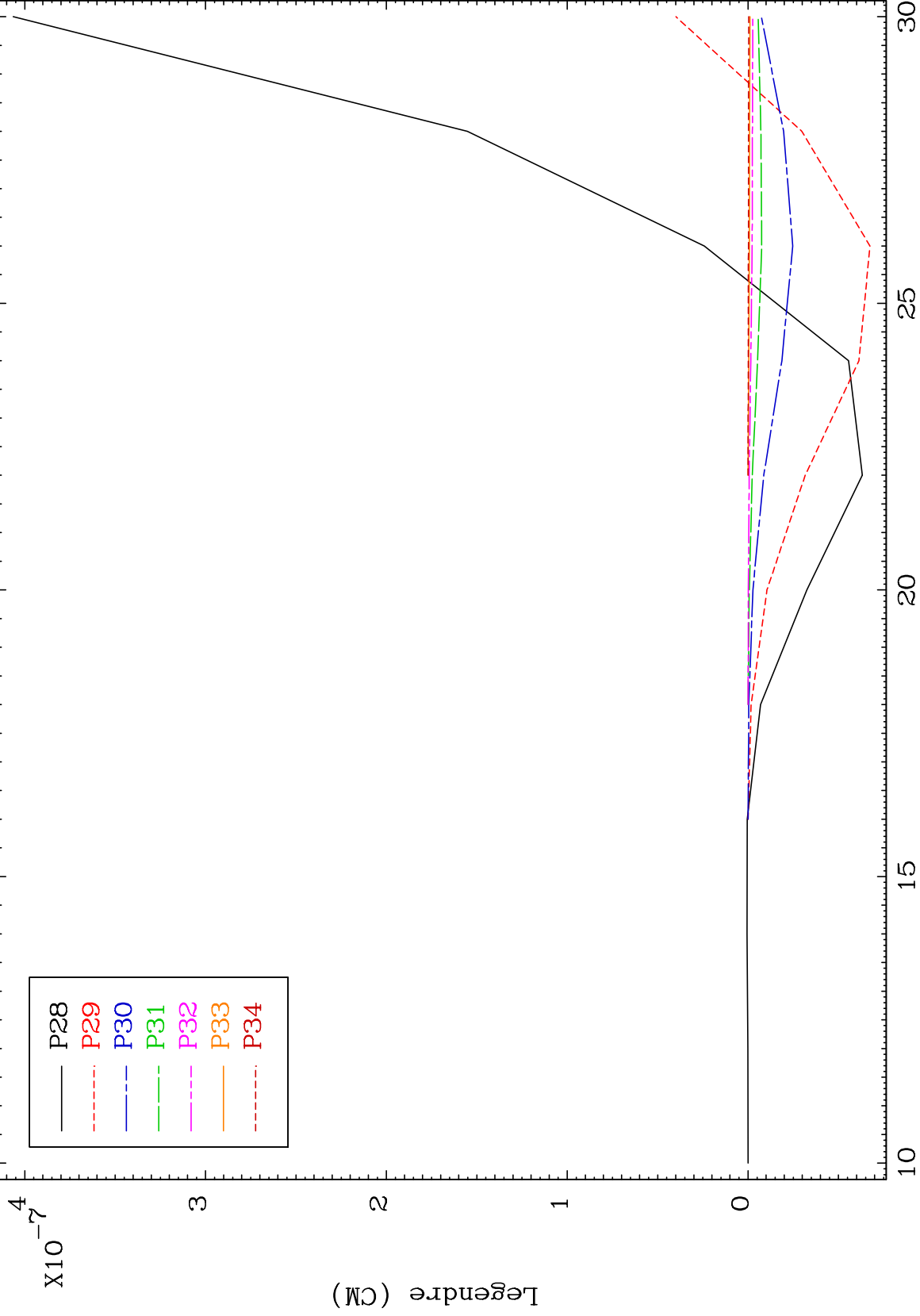
Incident Energy (MeV)

53-I -119

MAT 5301

Elastic Legendre Coefficients

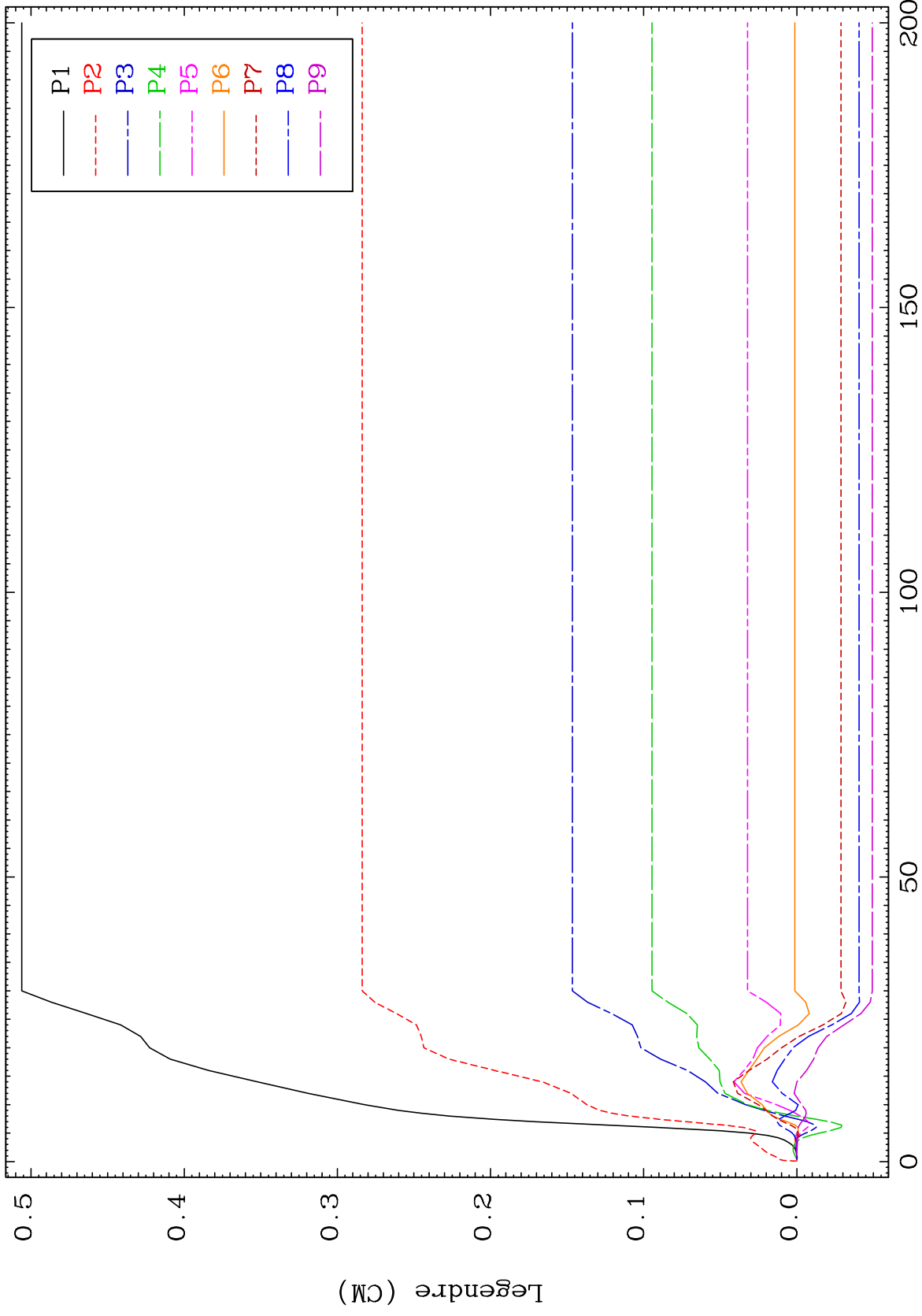
53-I -119



20

Incident Energy (MeV)

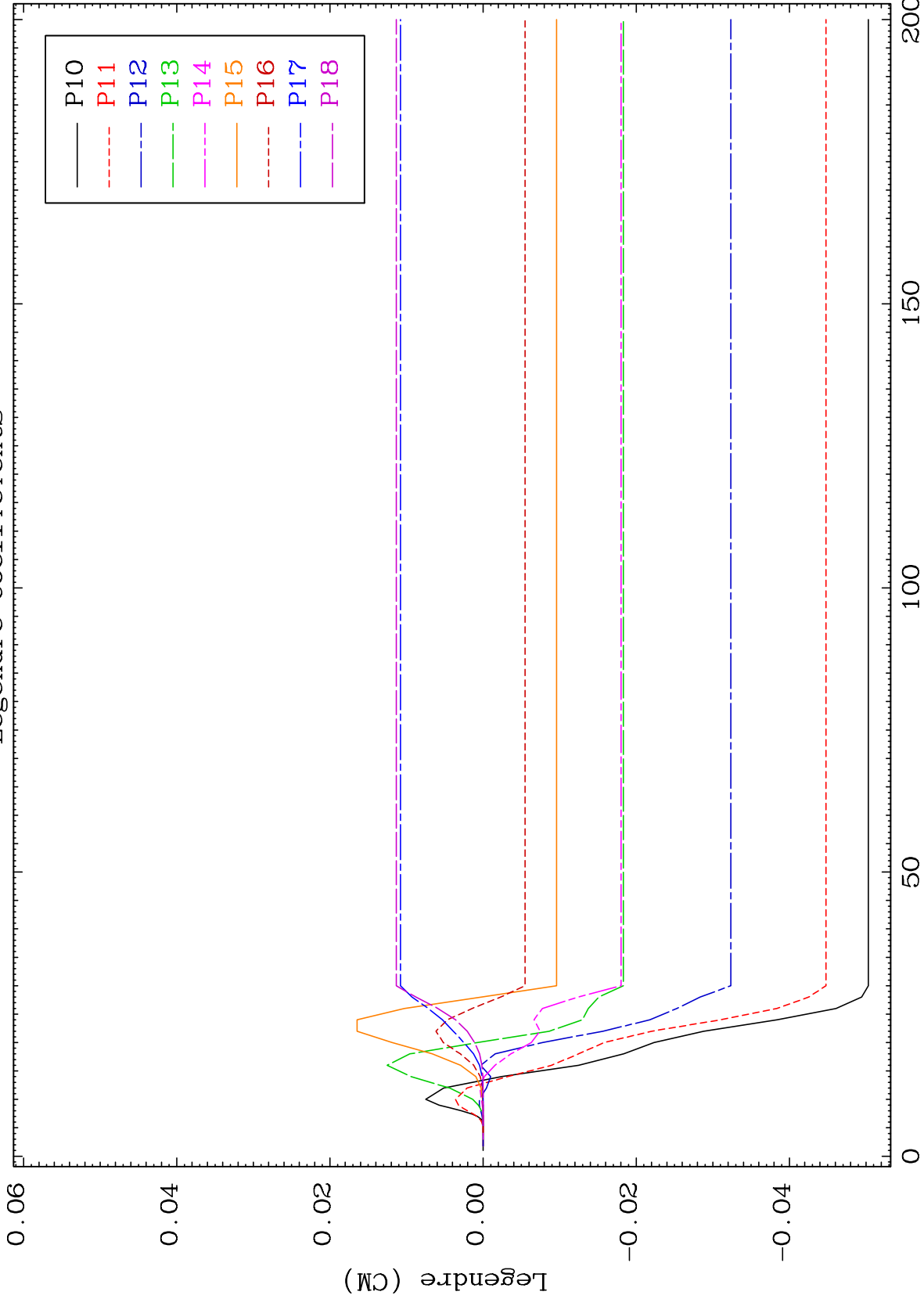
53-I -119



MAT 5301

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

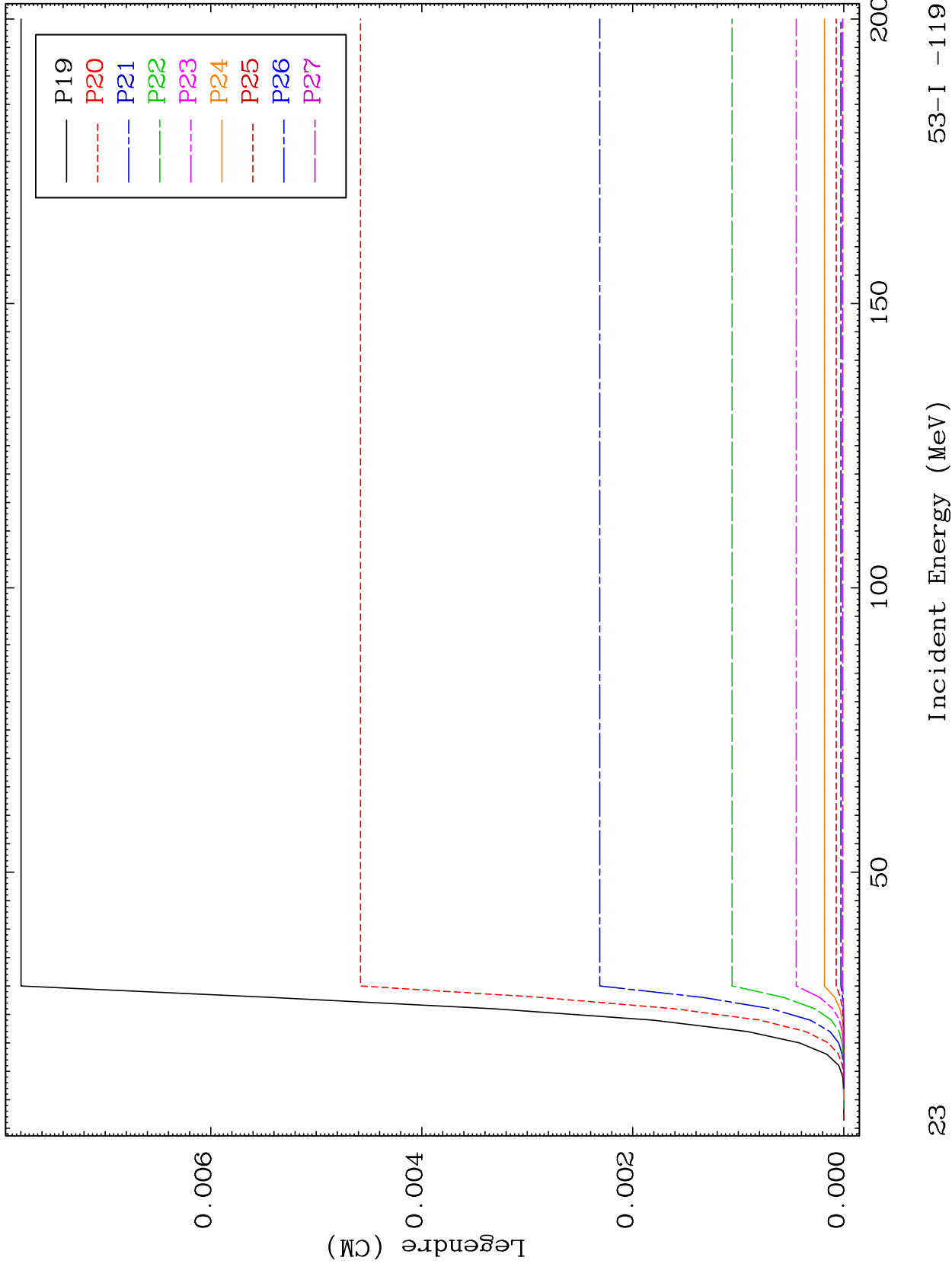
53-I -119

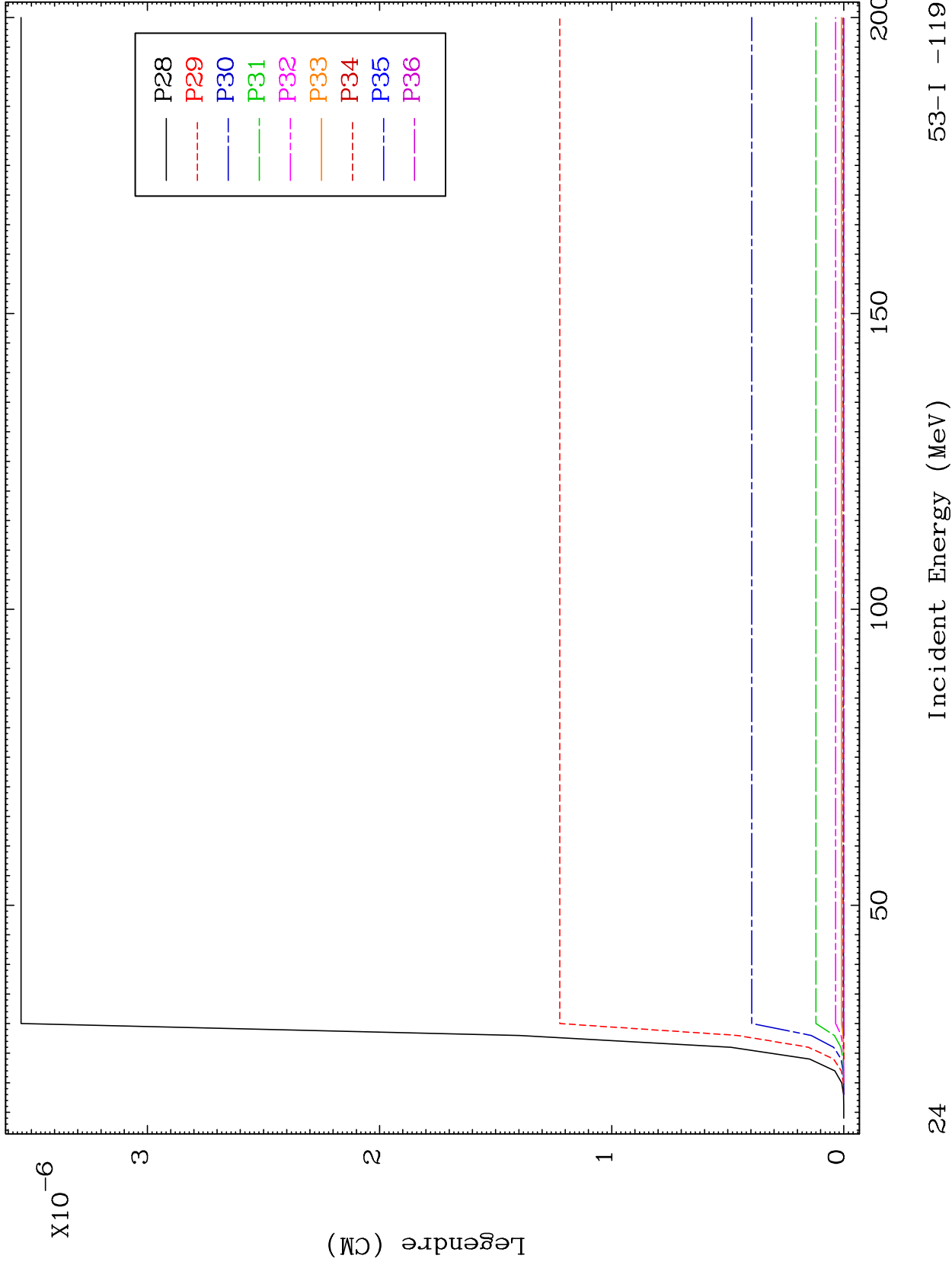


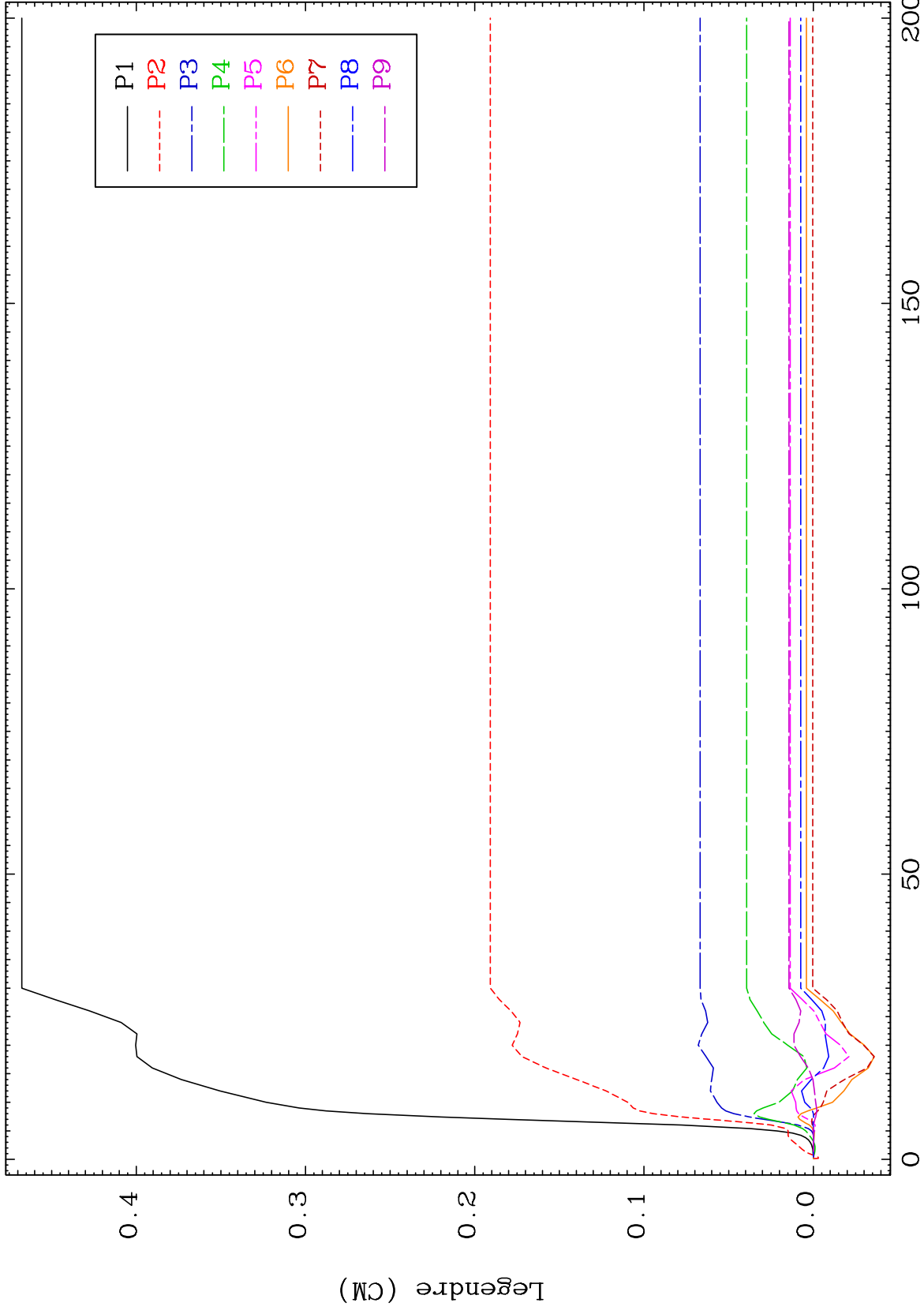
22

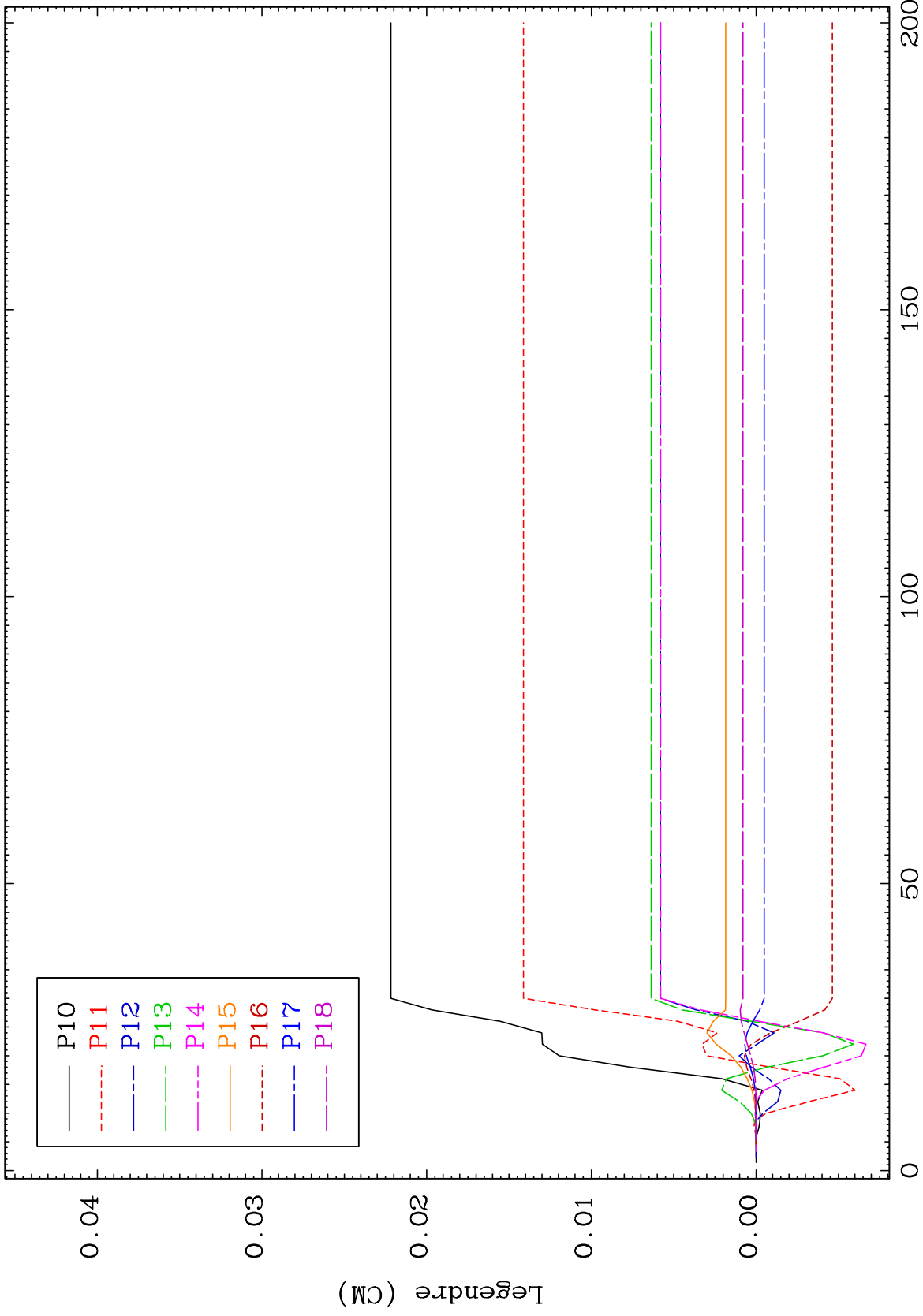
Incident Energy (MeV)

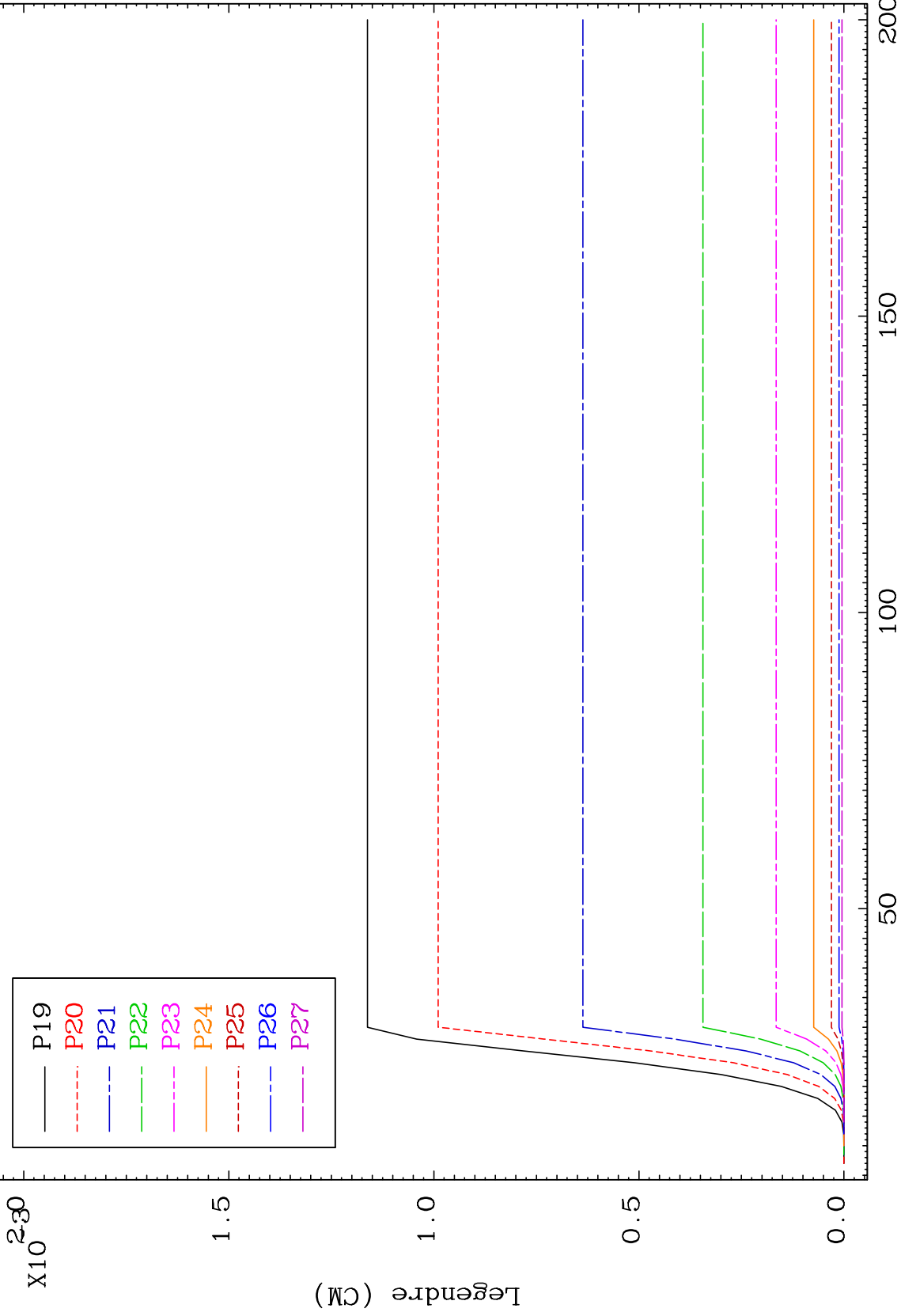
53-I -119

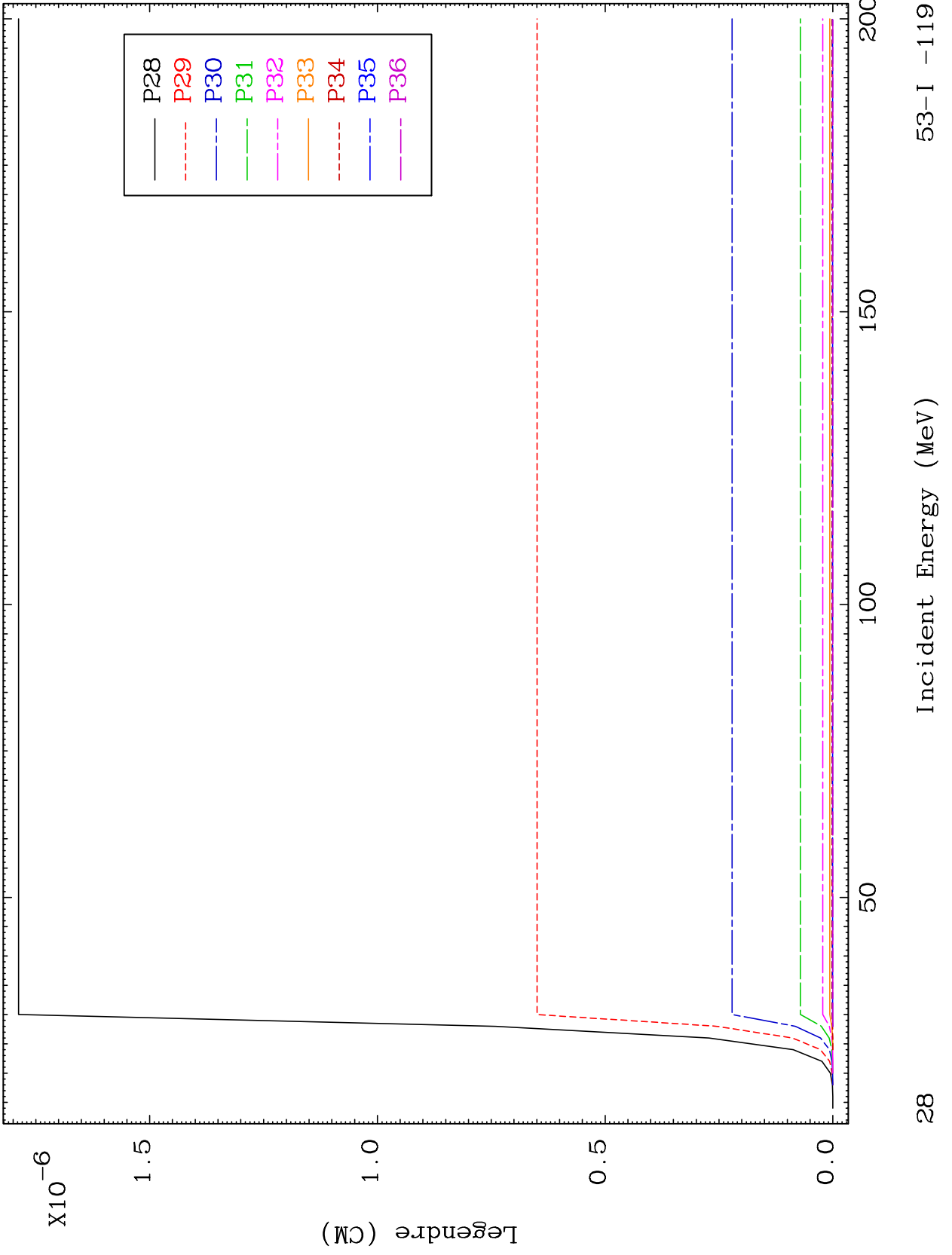


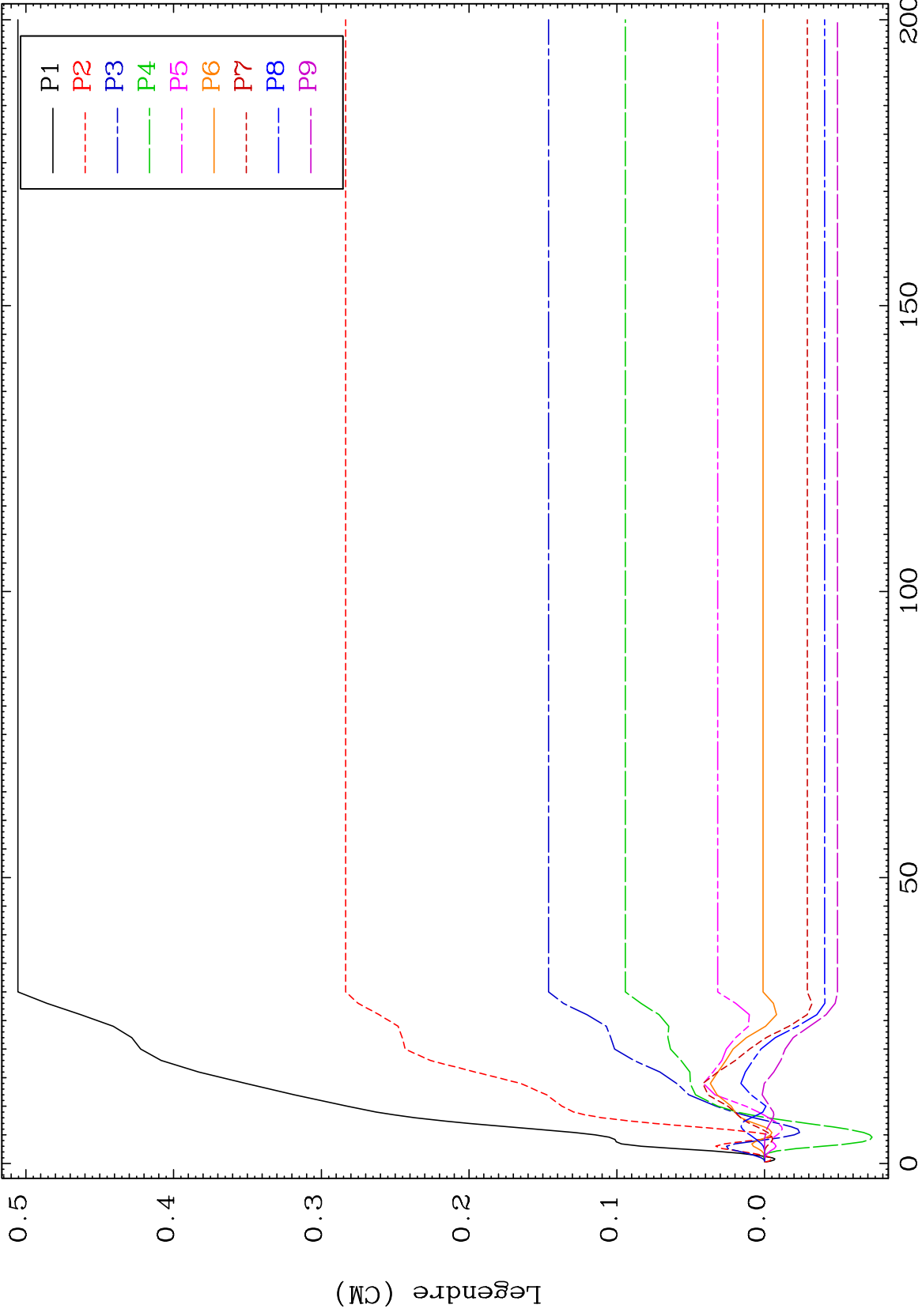








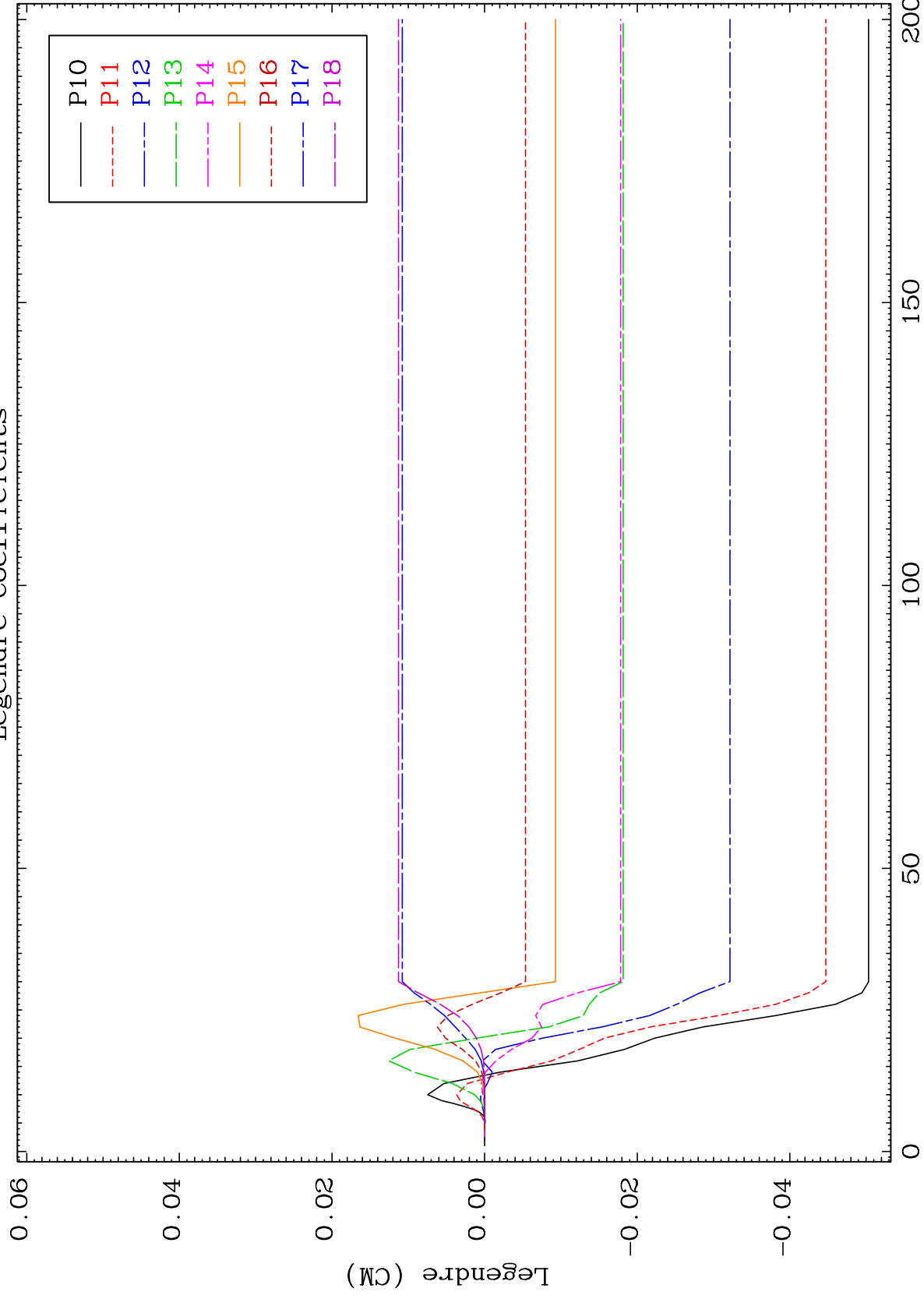




MAT 5301

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

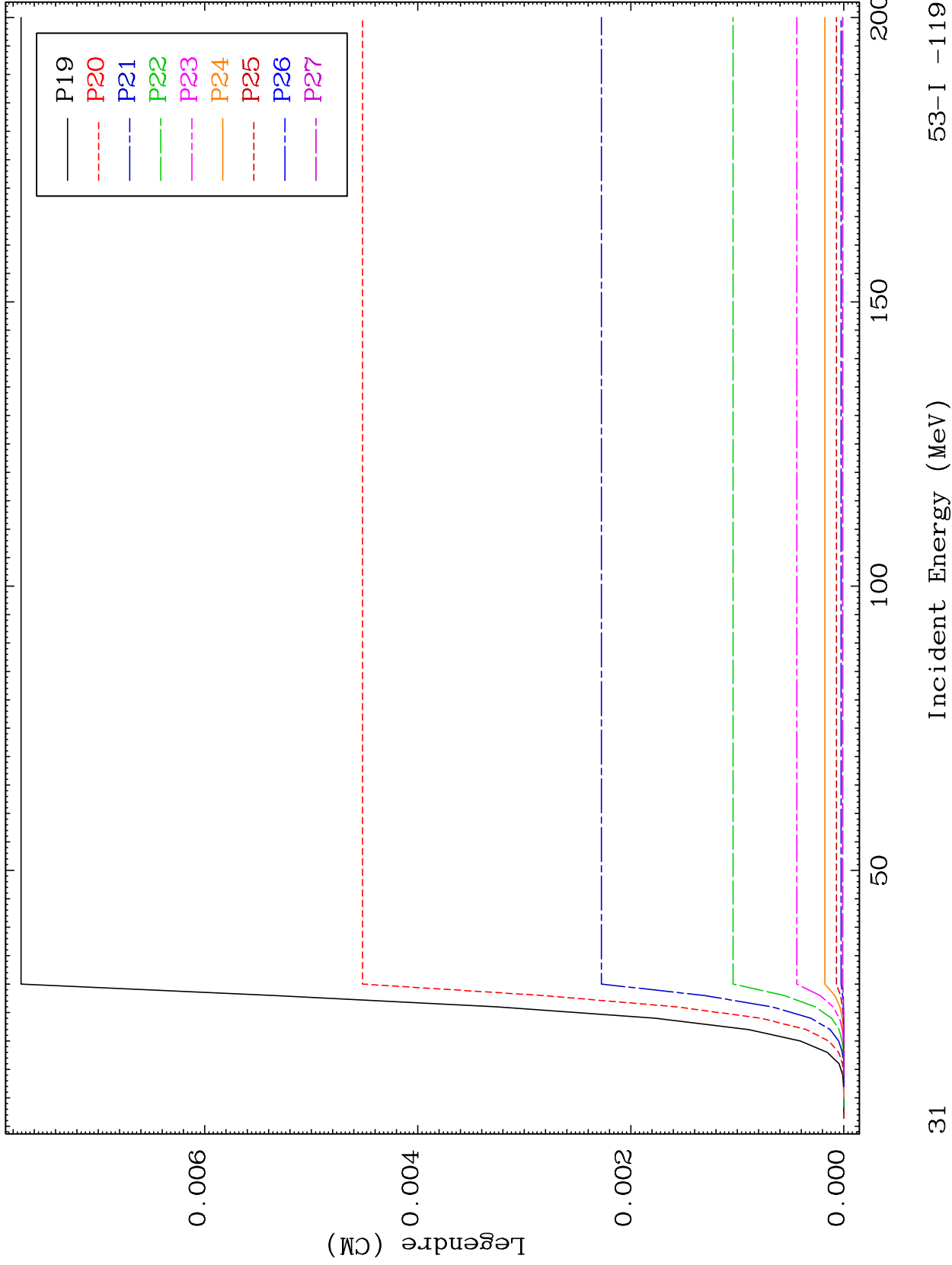
53-I -119

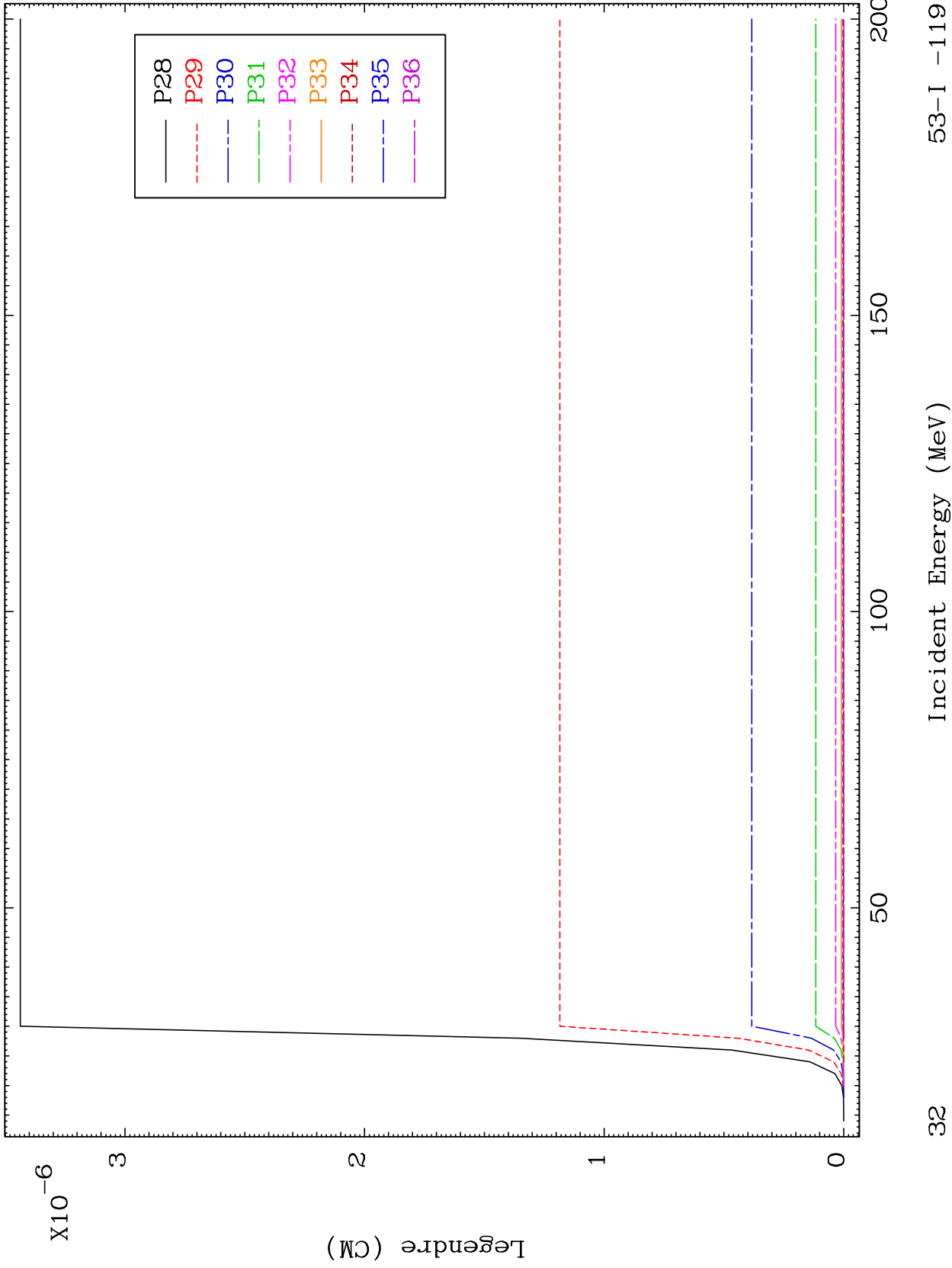


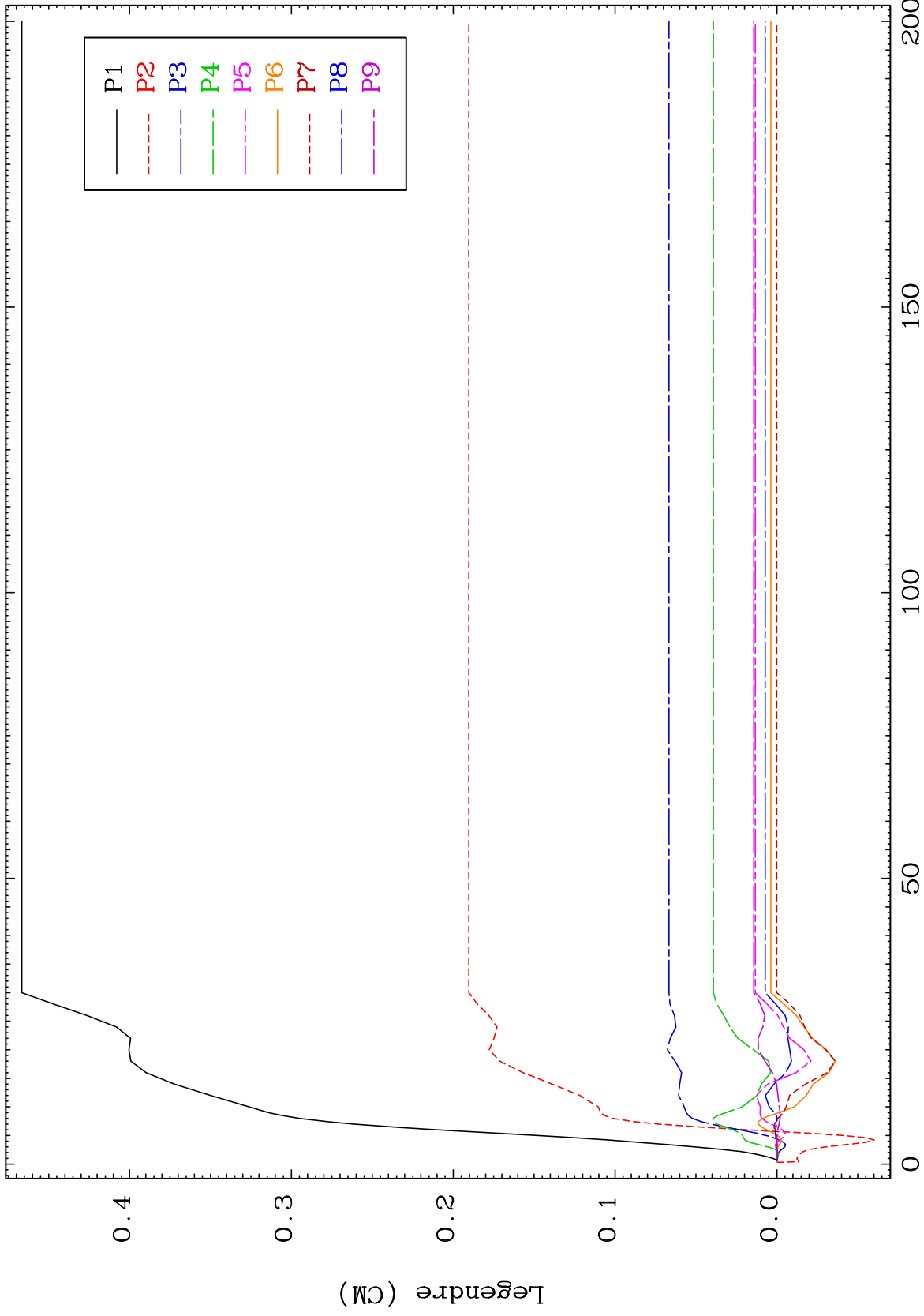
30

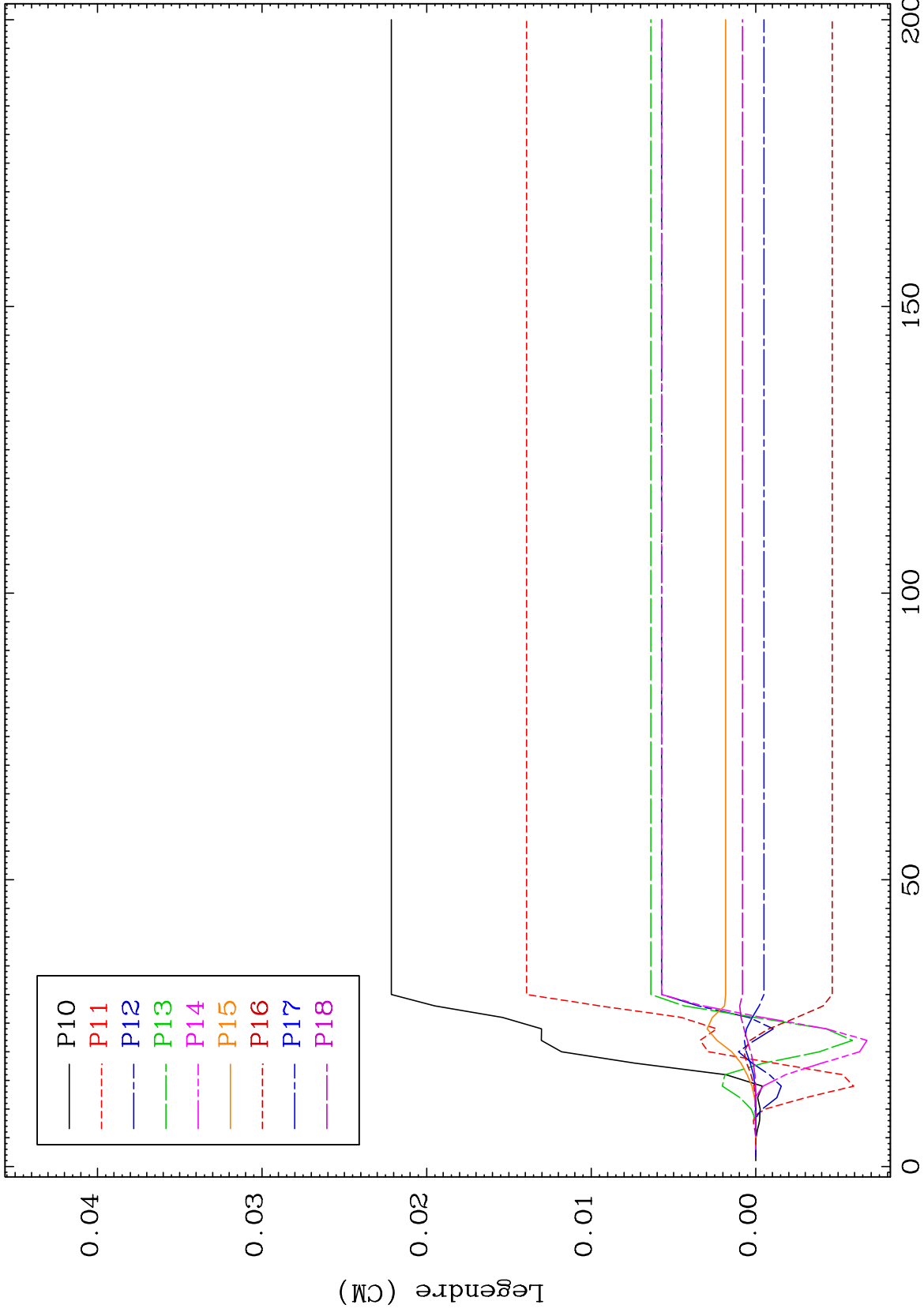
Incident Energy (MeV)

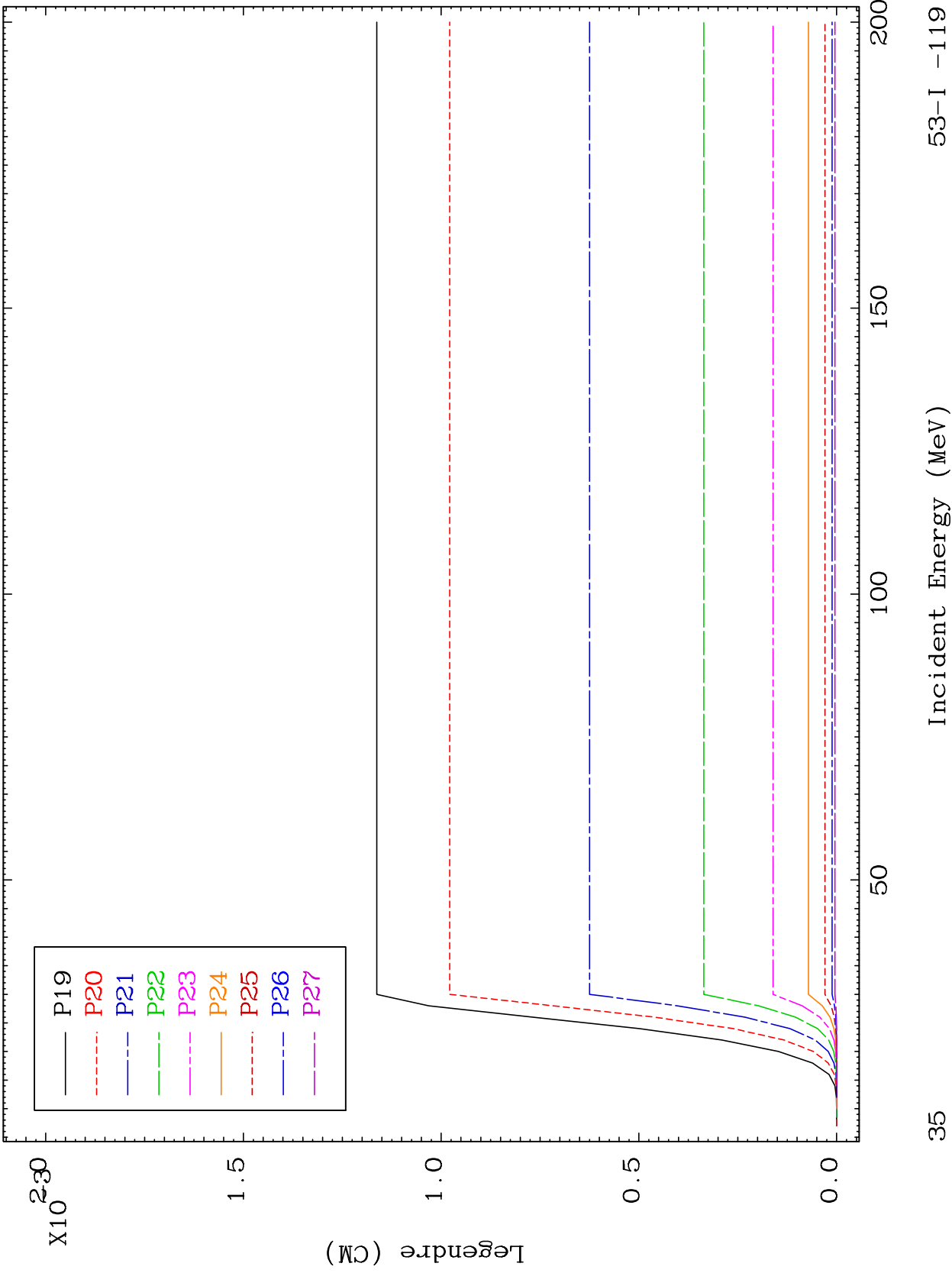
53-I -119

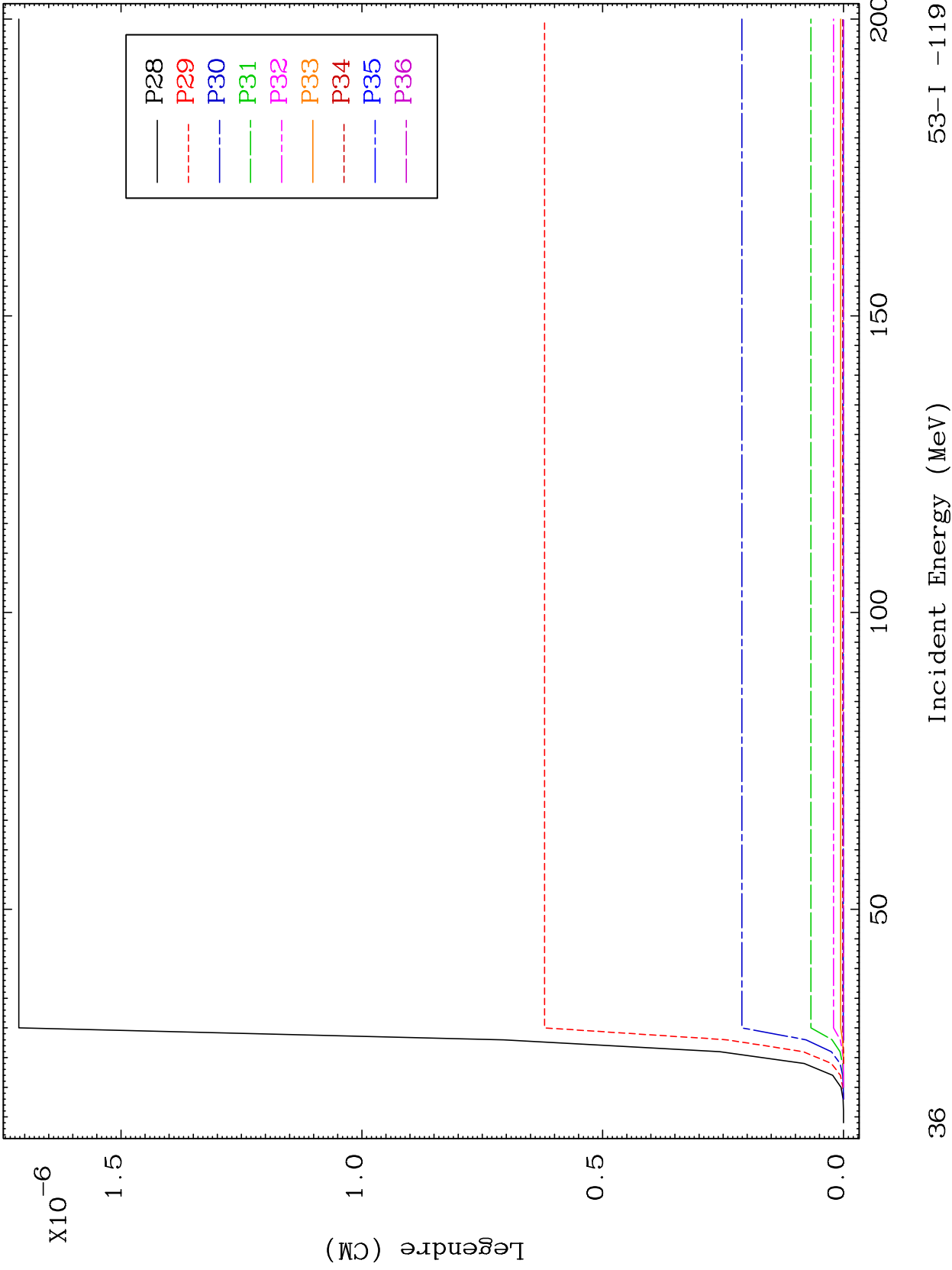










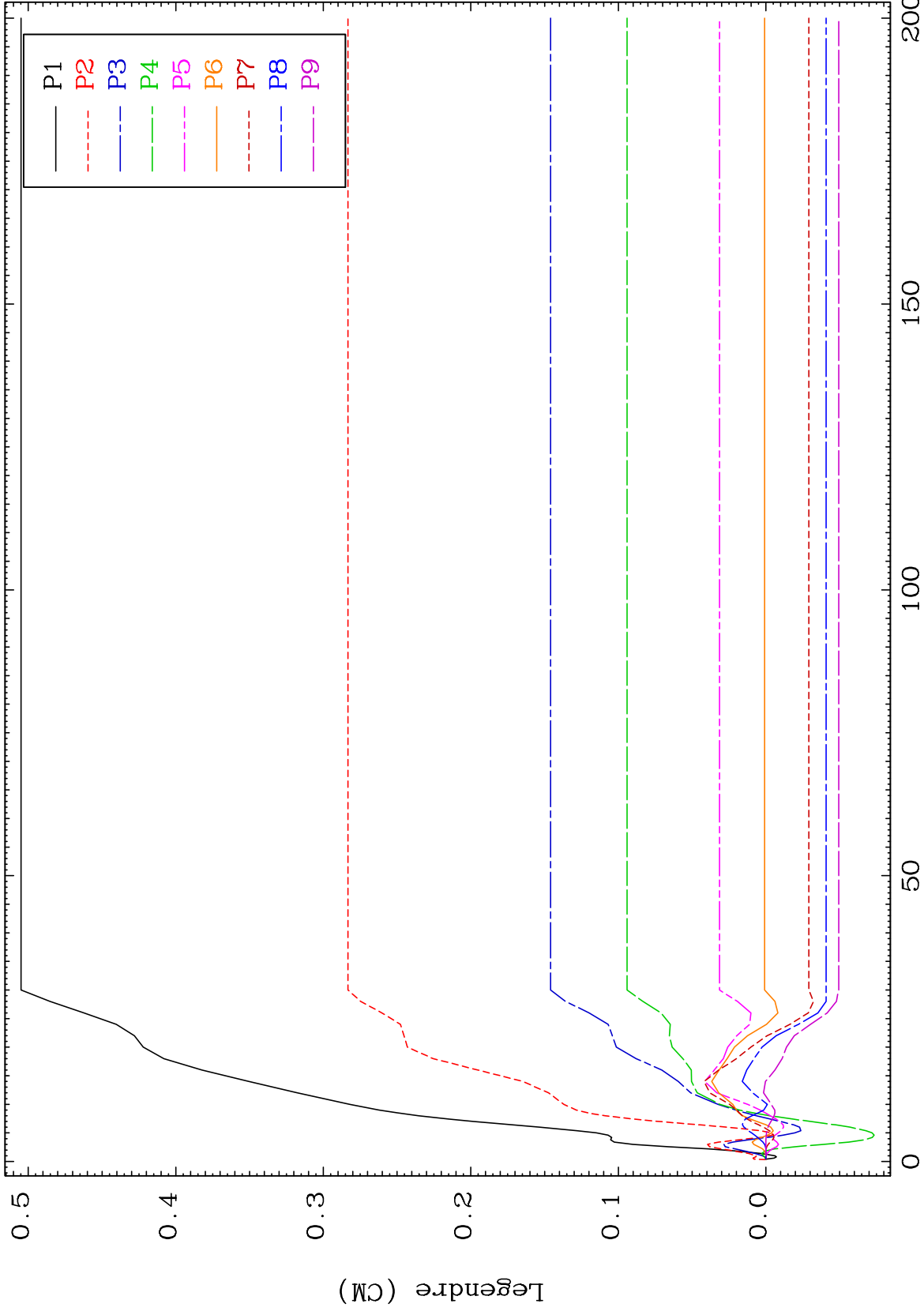


MAT 5301

MT= 55 (n,n') Level

53-I -119

Legendre Coefficients



37

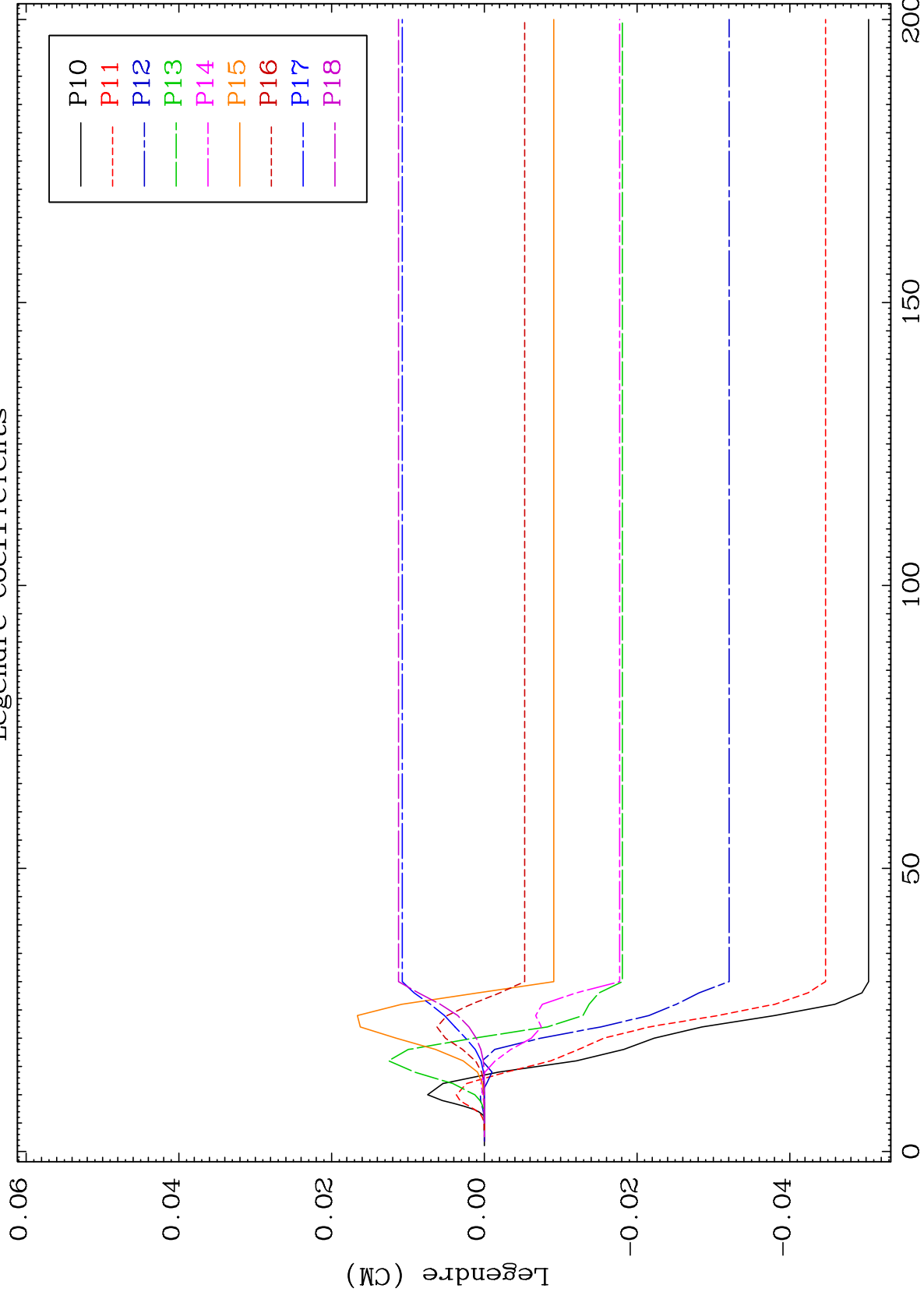
Incident Energy (MeV)

53-I -119

MAT 5301

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

53-I -119



38

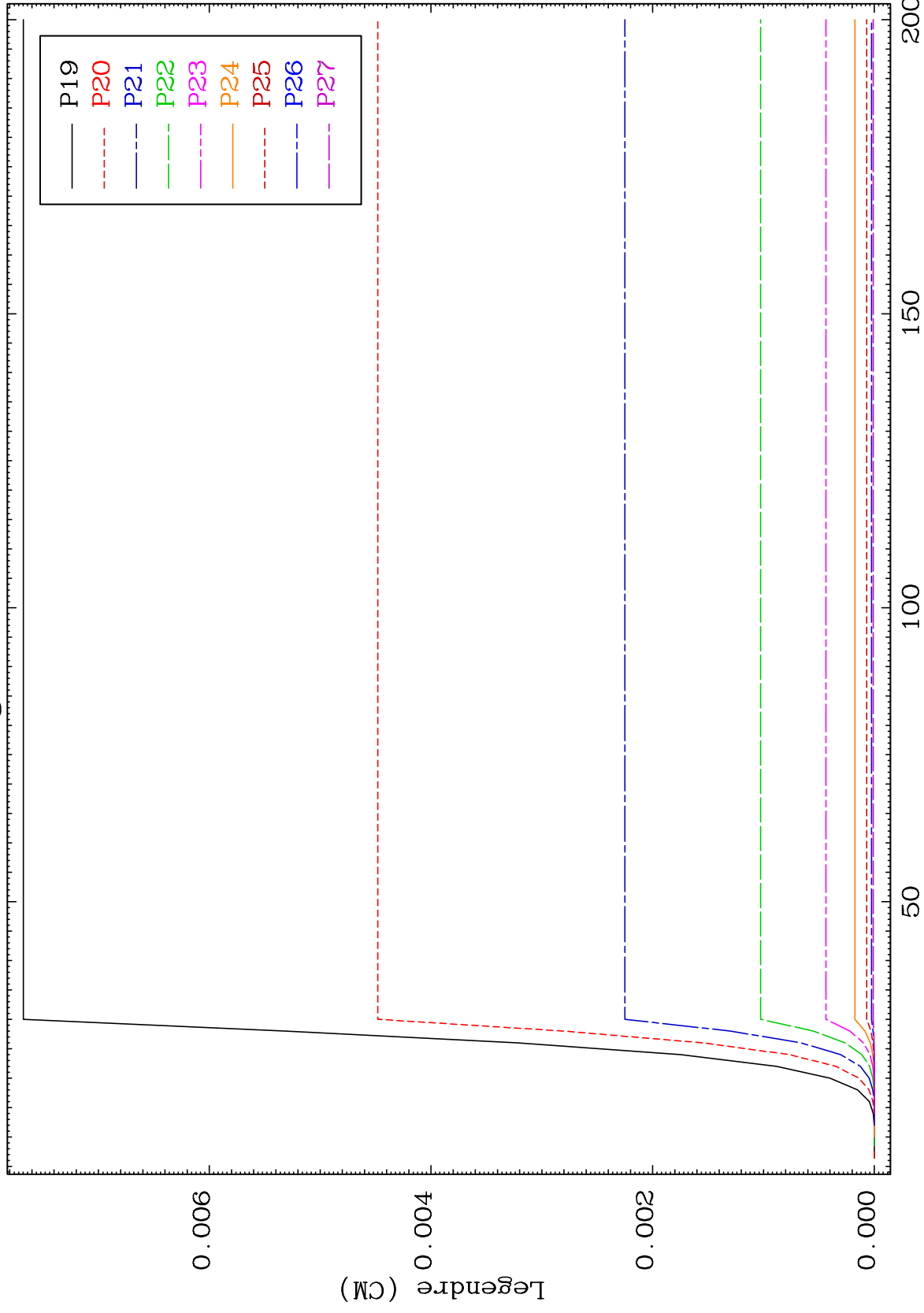
Incident Energy (MeV)

53-I -119

MAT 5301

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

53-I -119



39

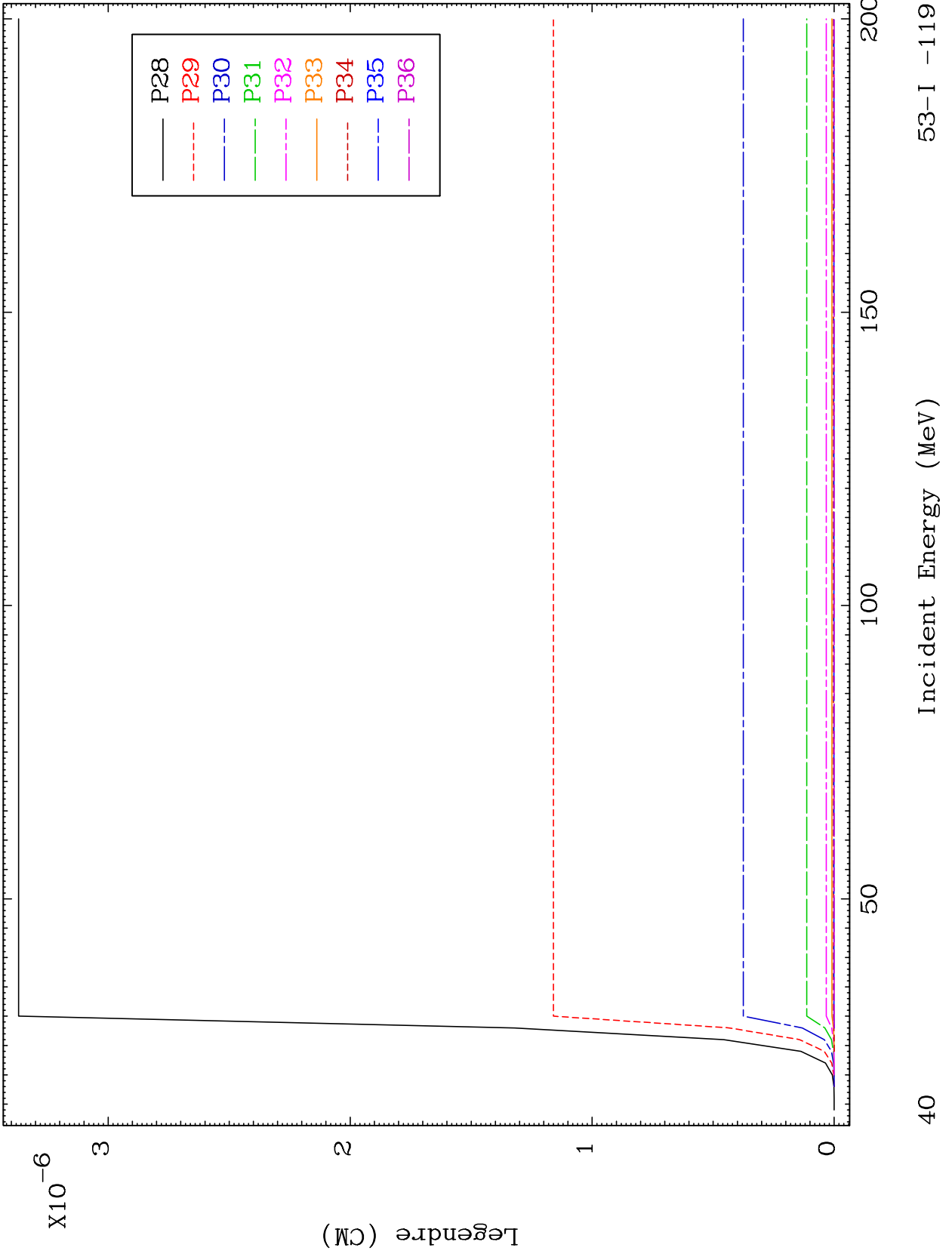
Incident Energy (MeV)

53-I -119

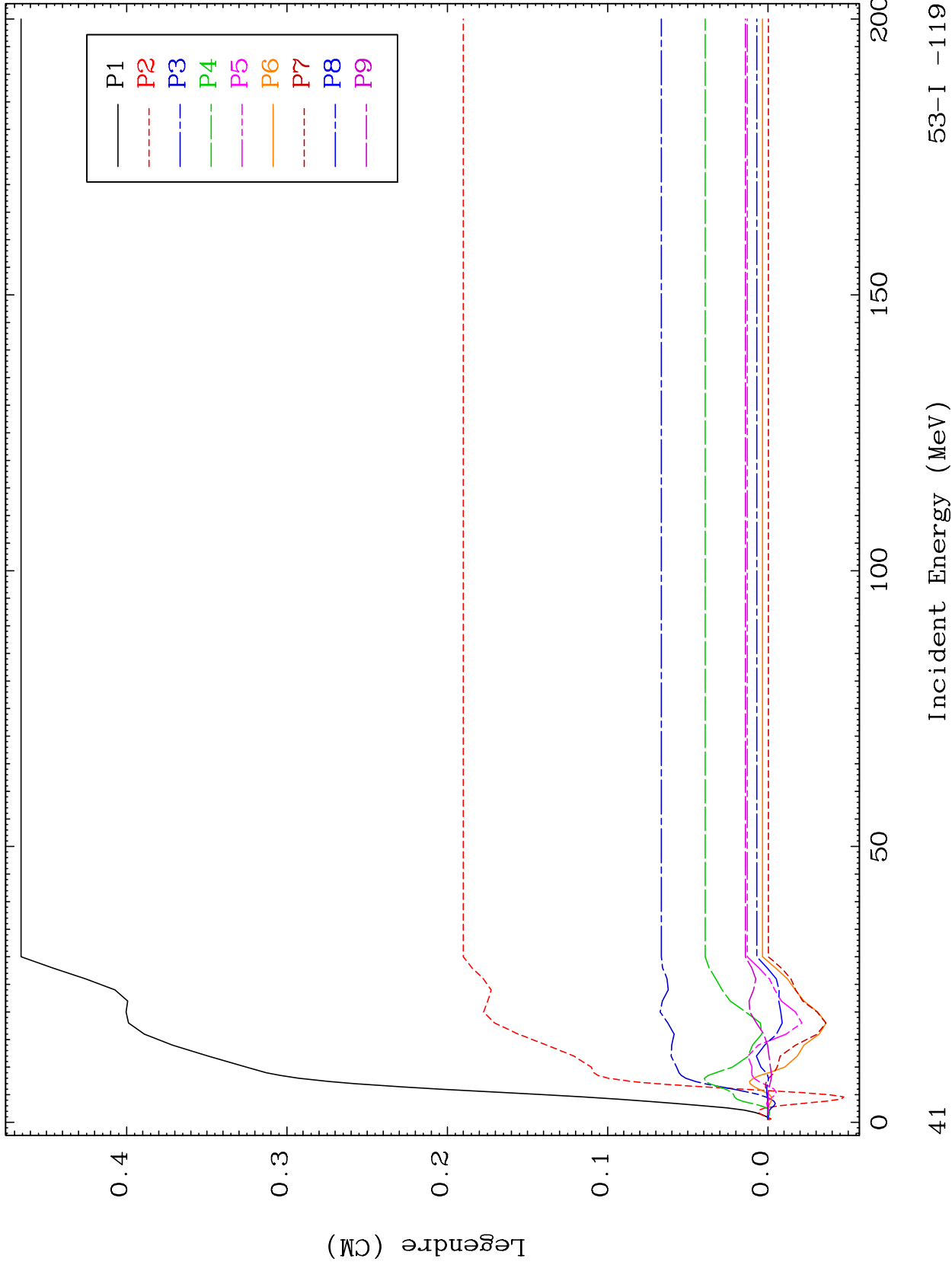
MAT 5301

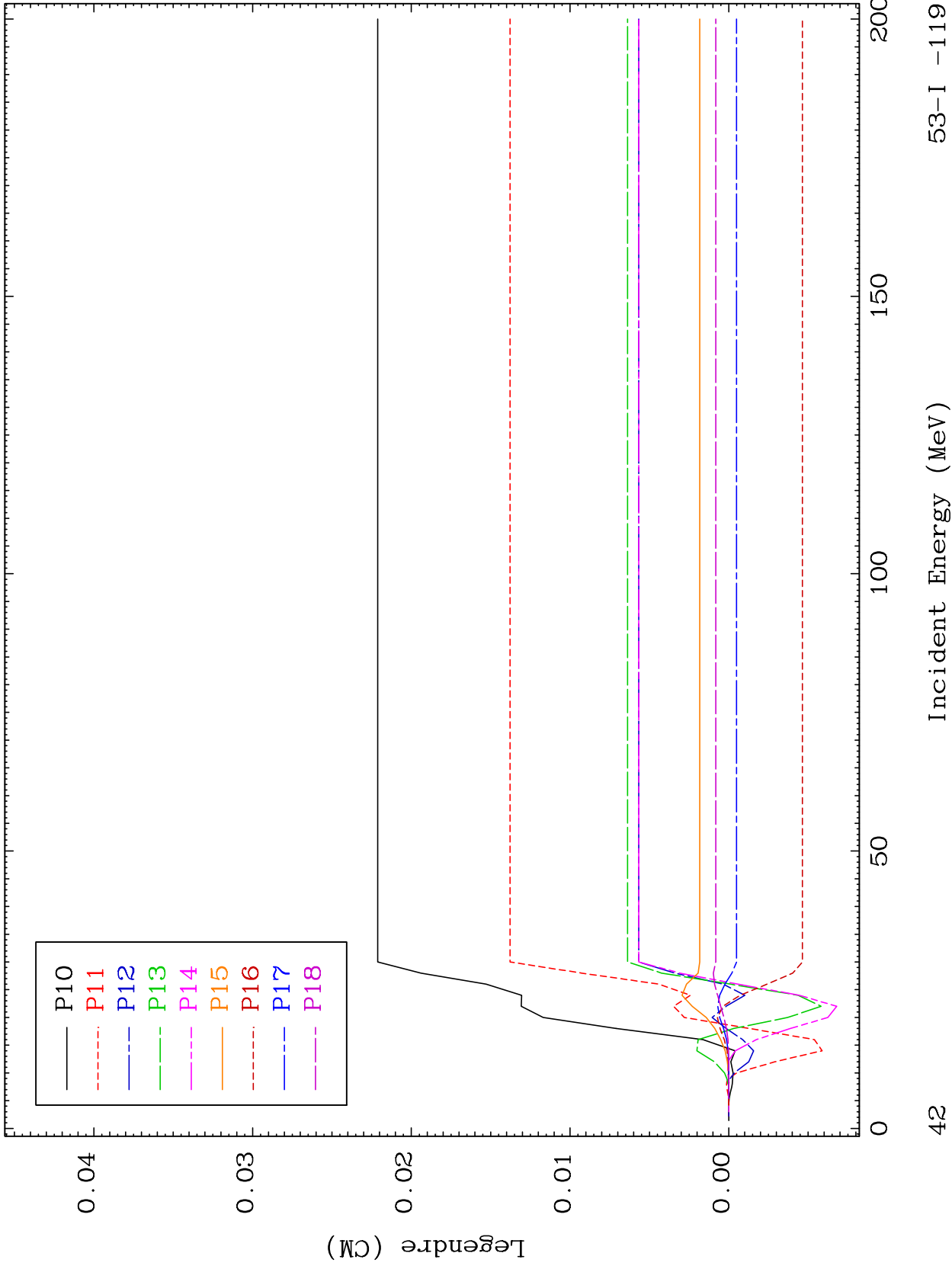
MT= 55 (n,n') Level
Legendre Coefficients

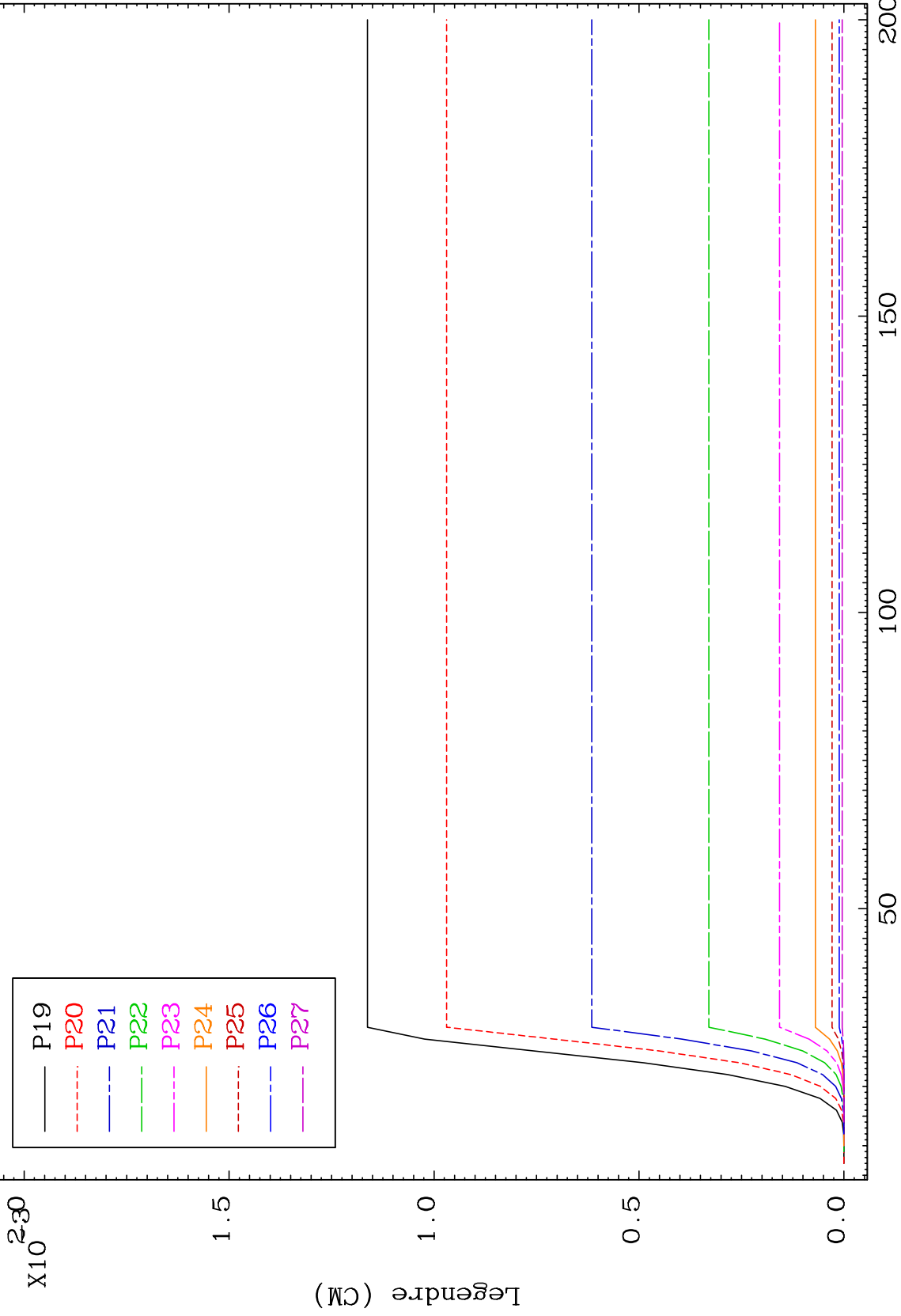
53-I -119



53-I -119



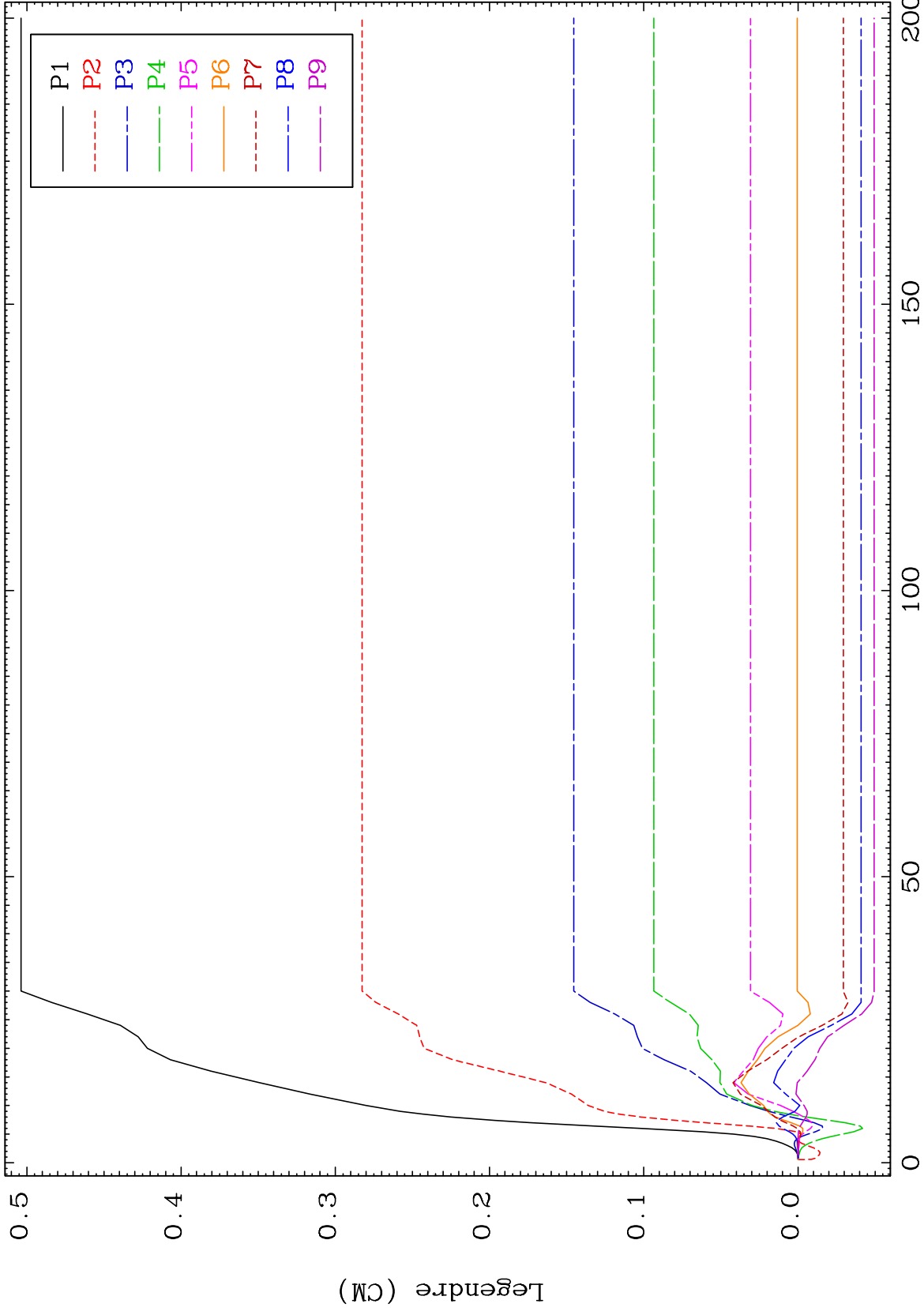




MAT 5301

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

53-I -119



45

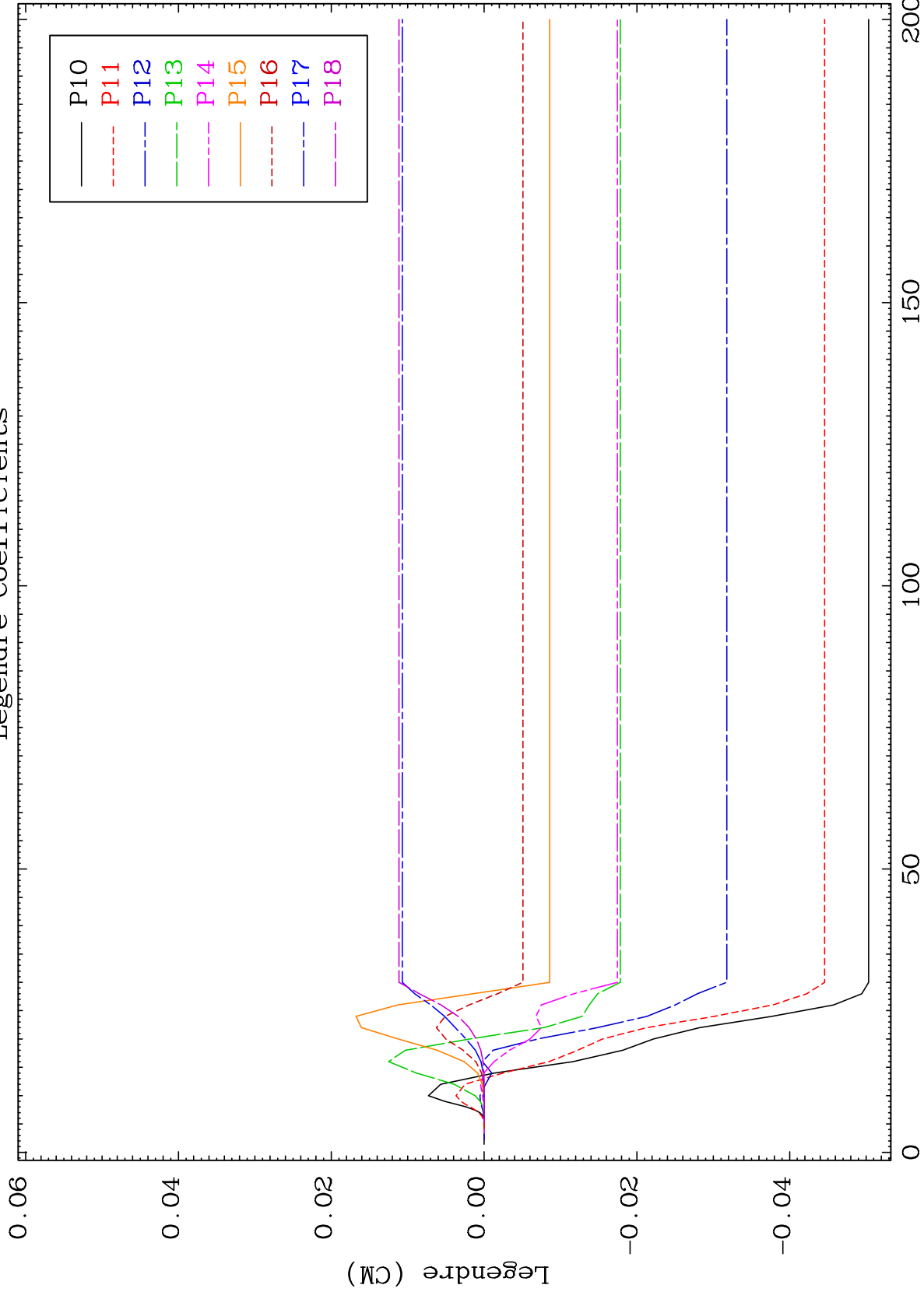
Incident Energy (MeV)

53-I -119

MAT 5301

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

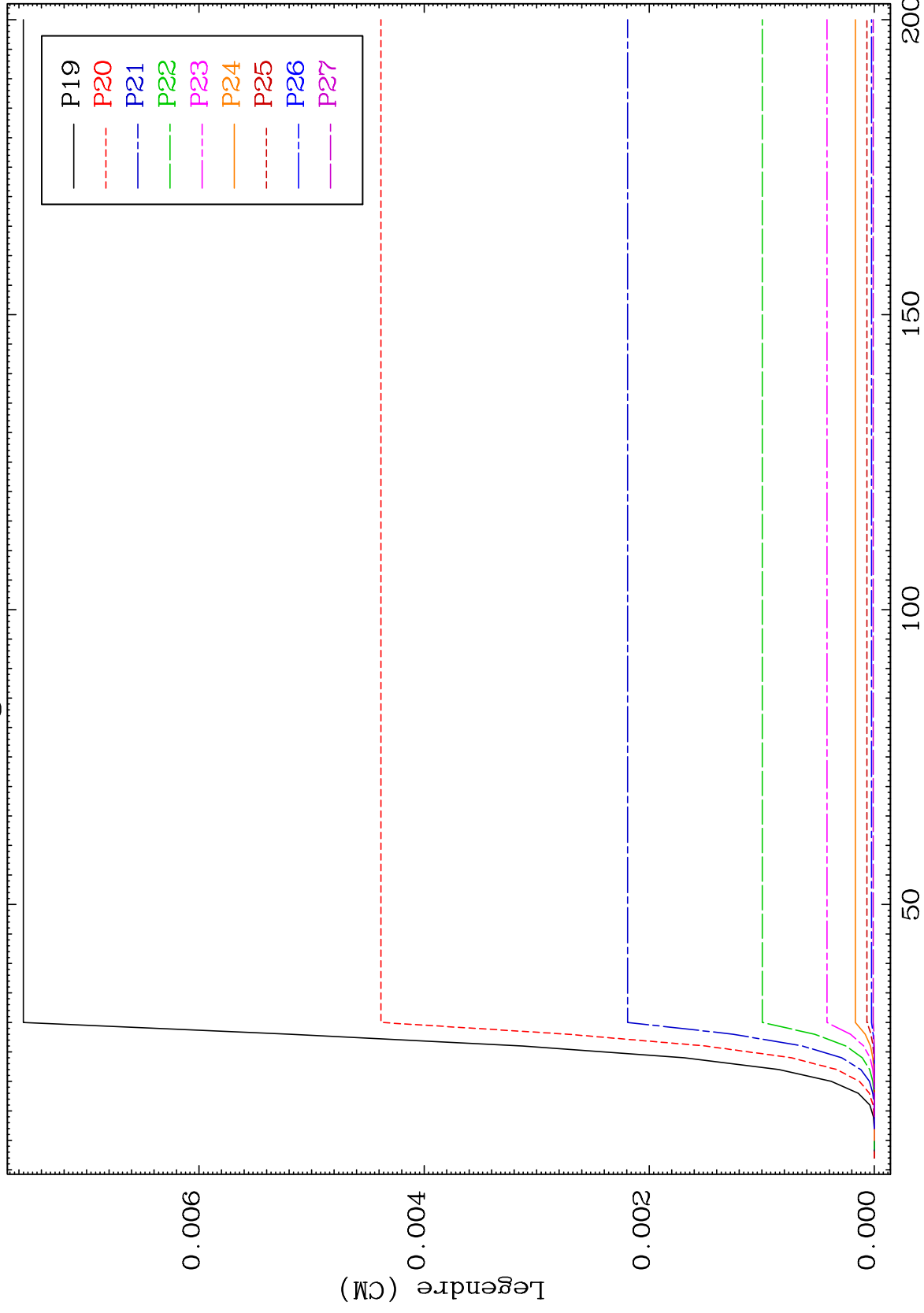
53-I -119



46

Incident Energy (MeV)

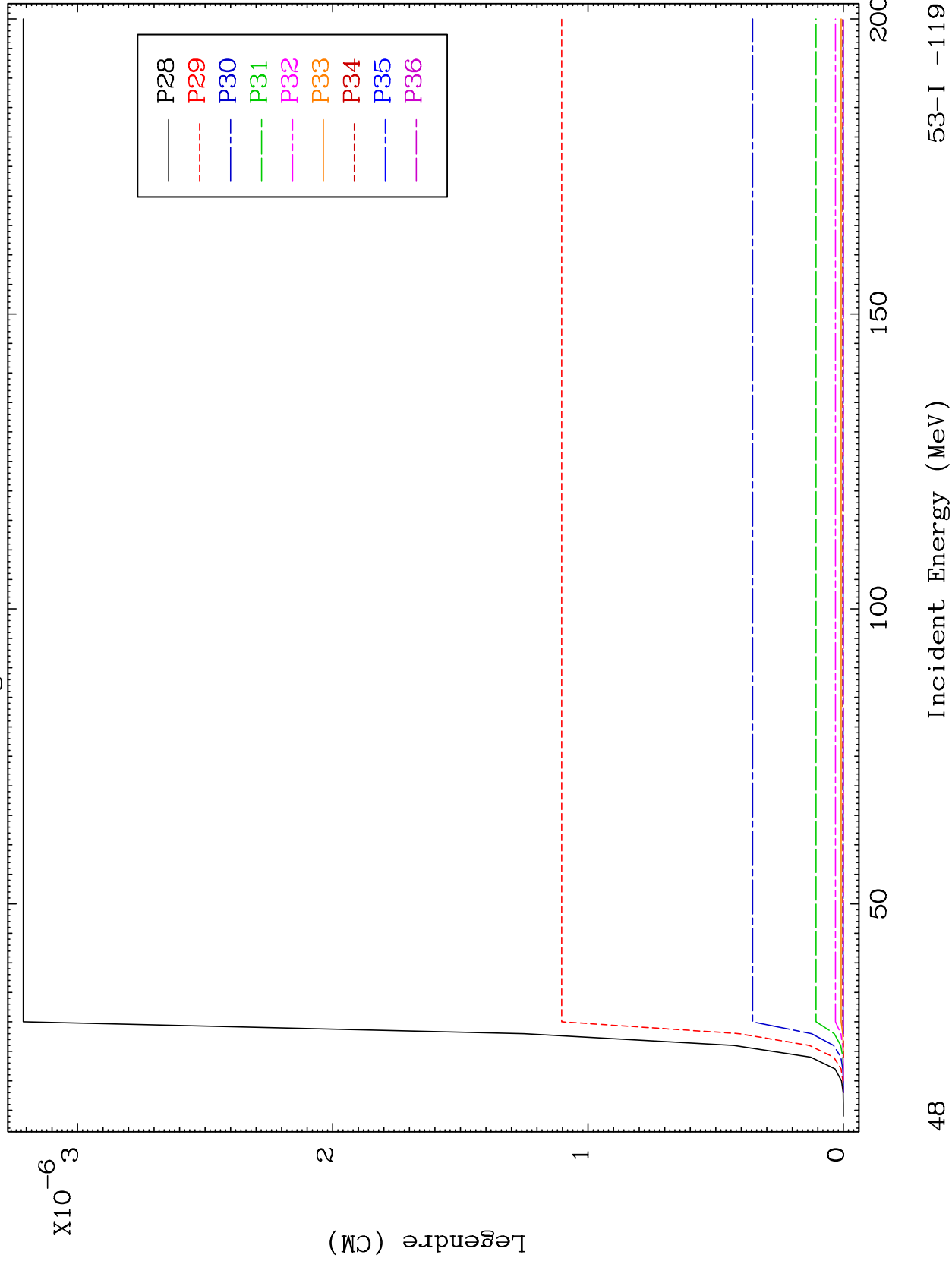
53-I -119



MAT 5301

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

53-I -119



48

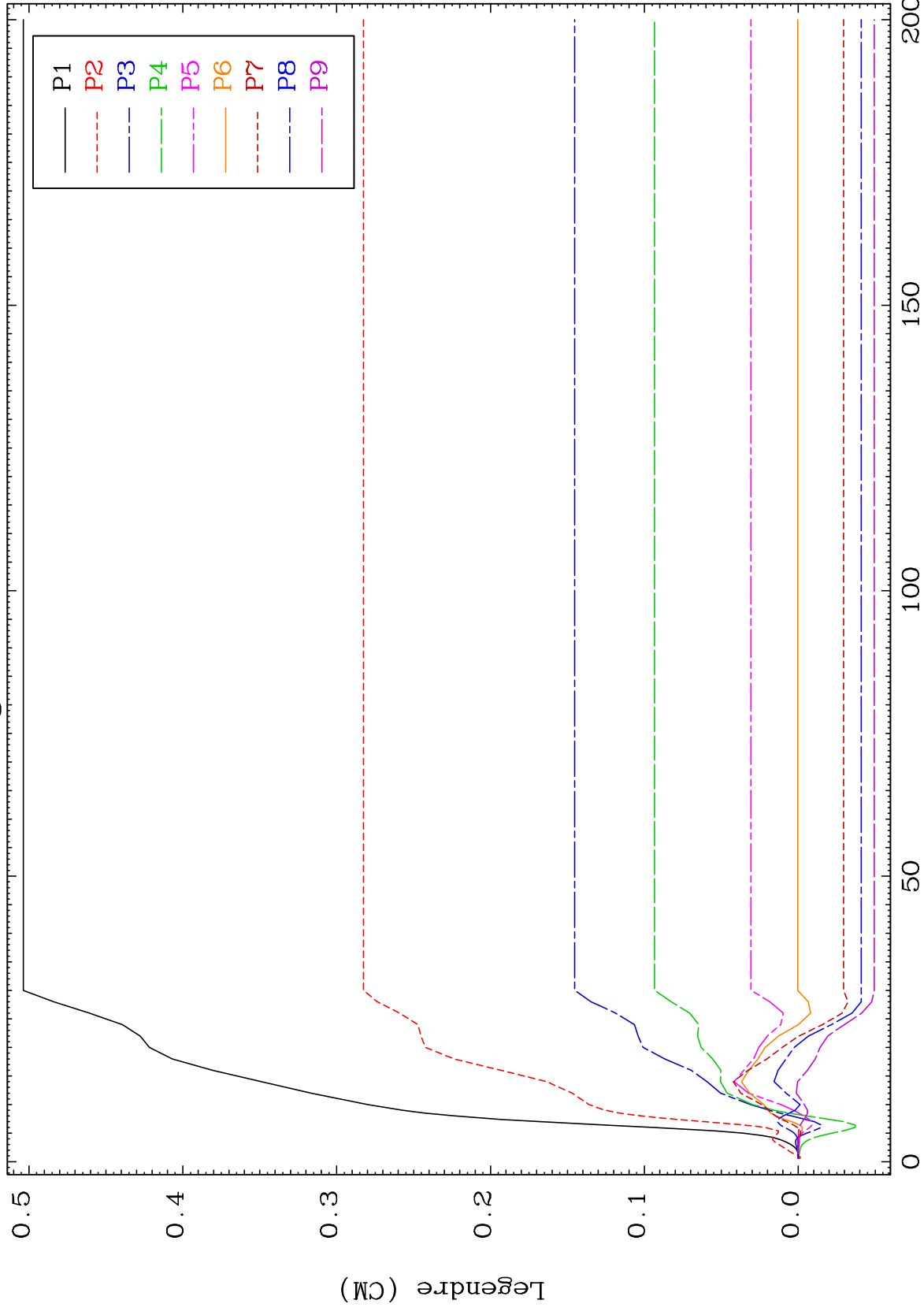
Incident Energy (MeV)

53-I -119

MAT 5301

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

53-I -119



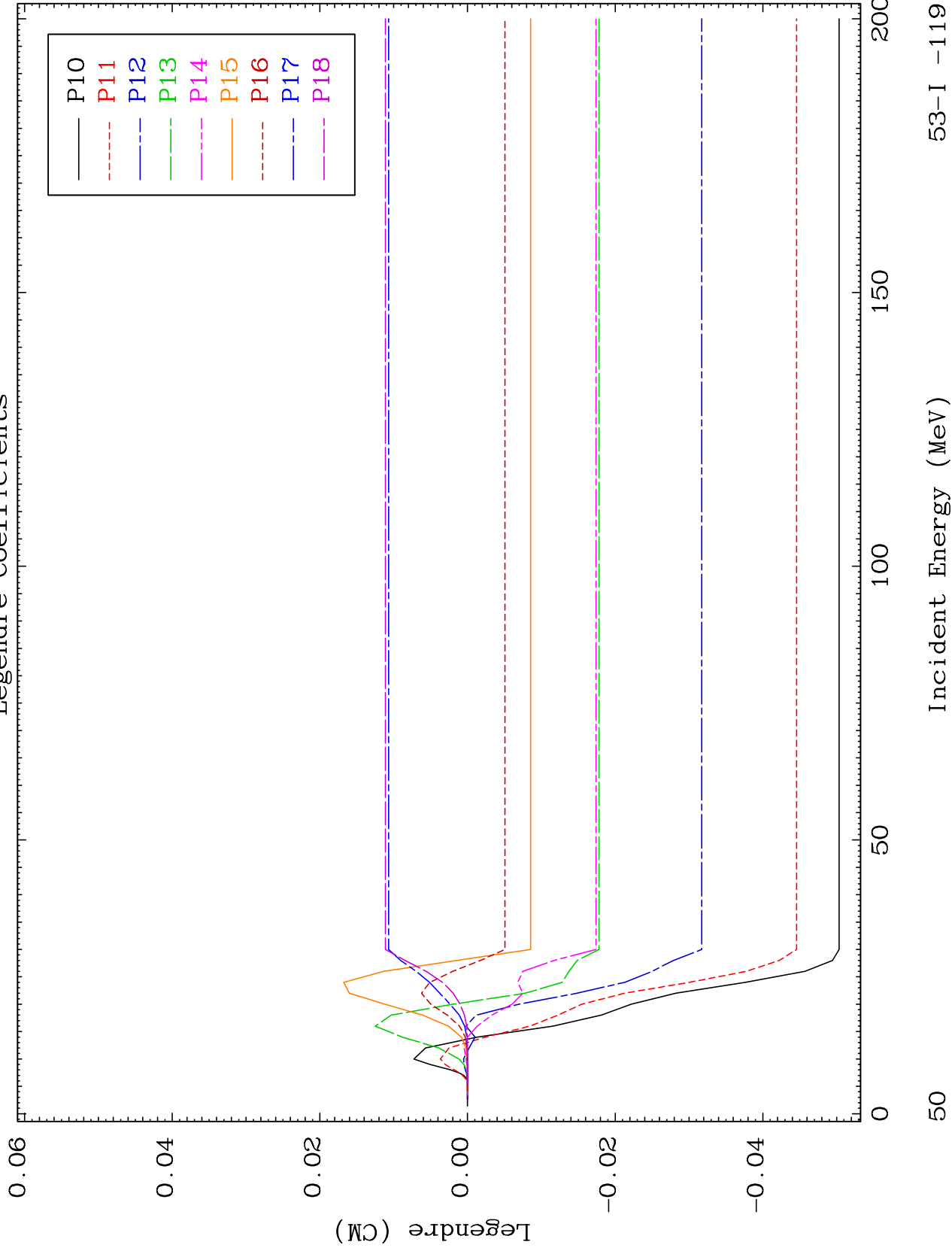
49

53-I -119

MAT 5301

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

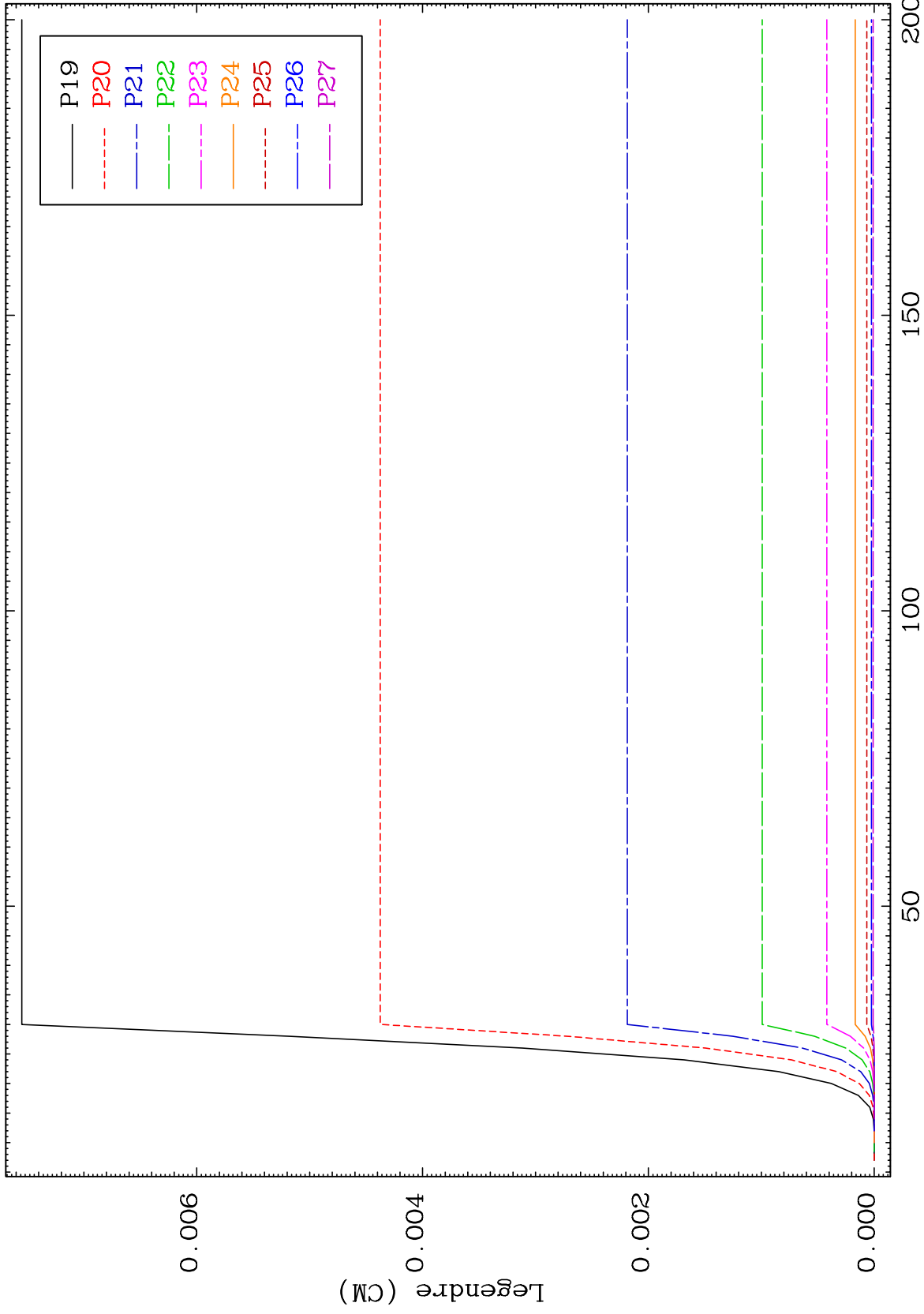
53-I -119



53-I -119

Incident Energy (MeV)

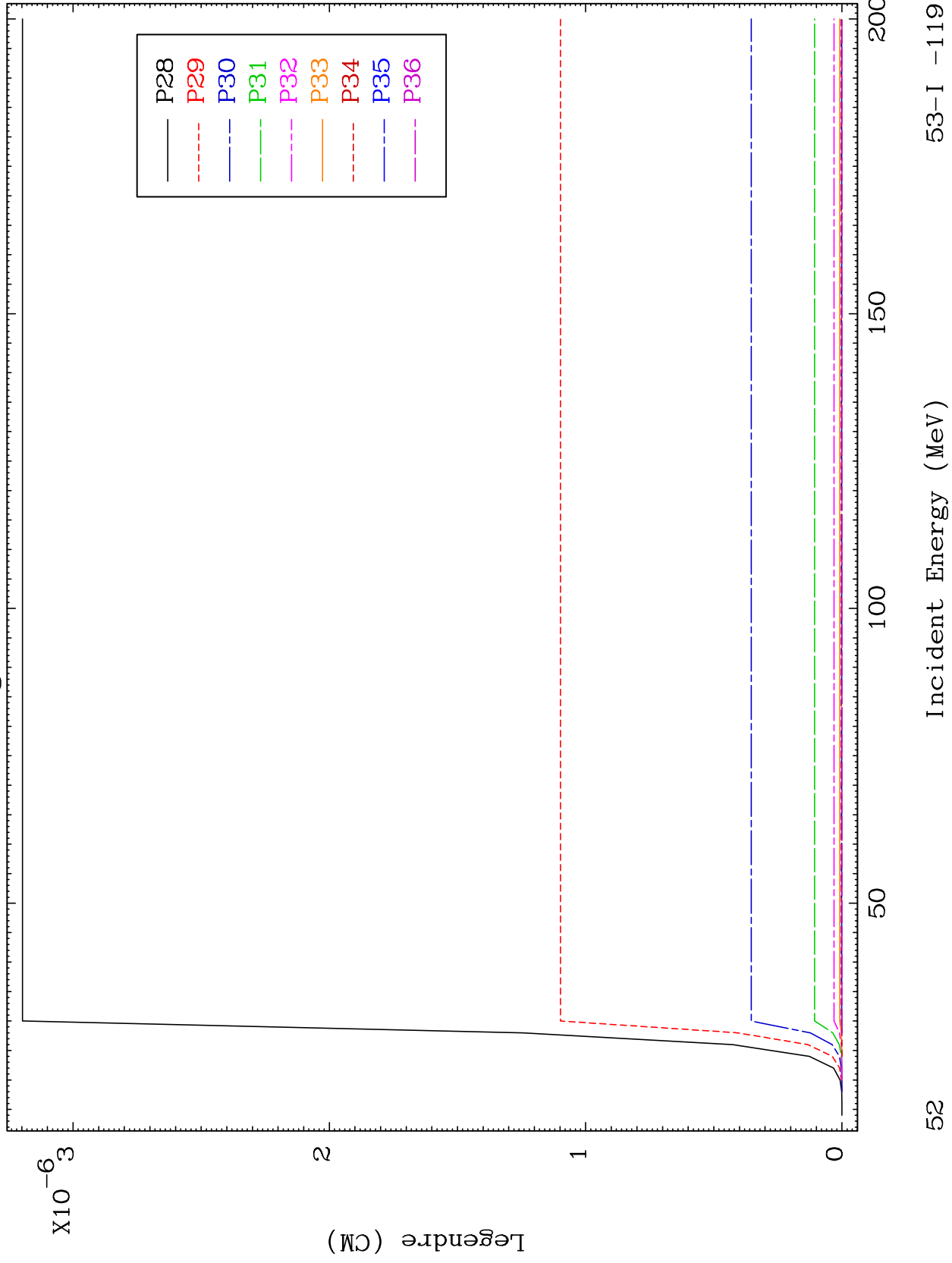
50



MAT 5301

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

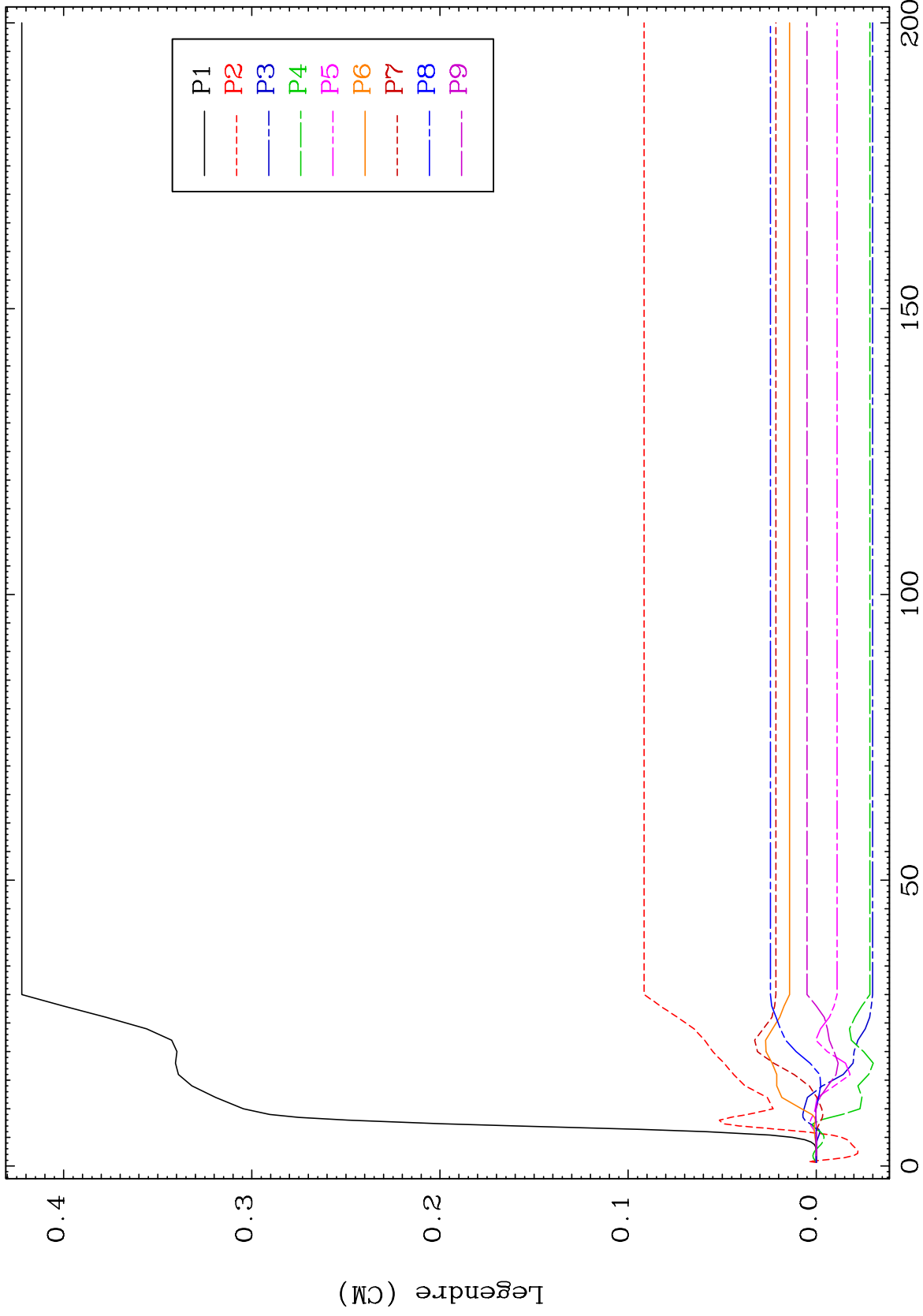
53-I -119

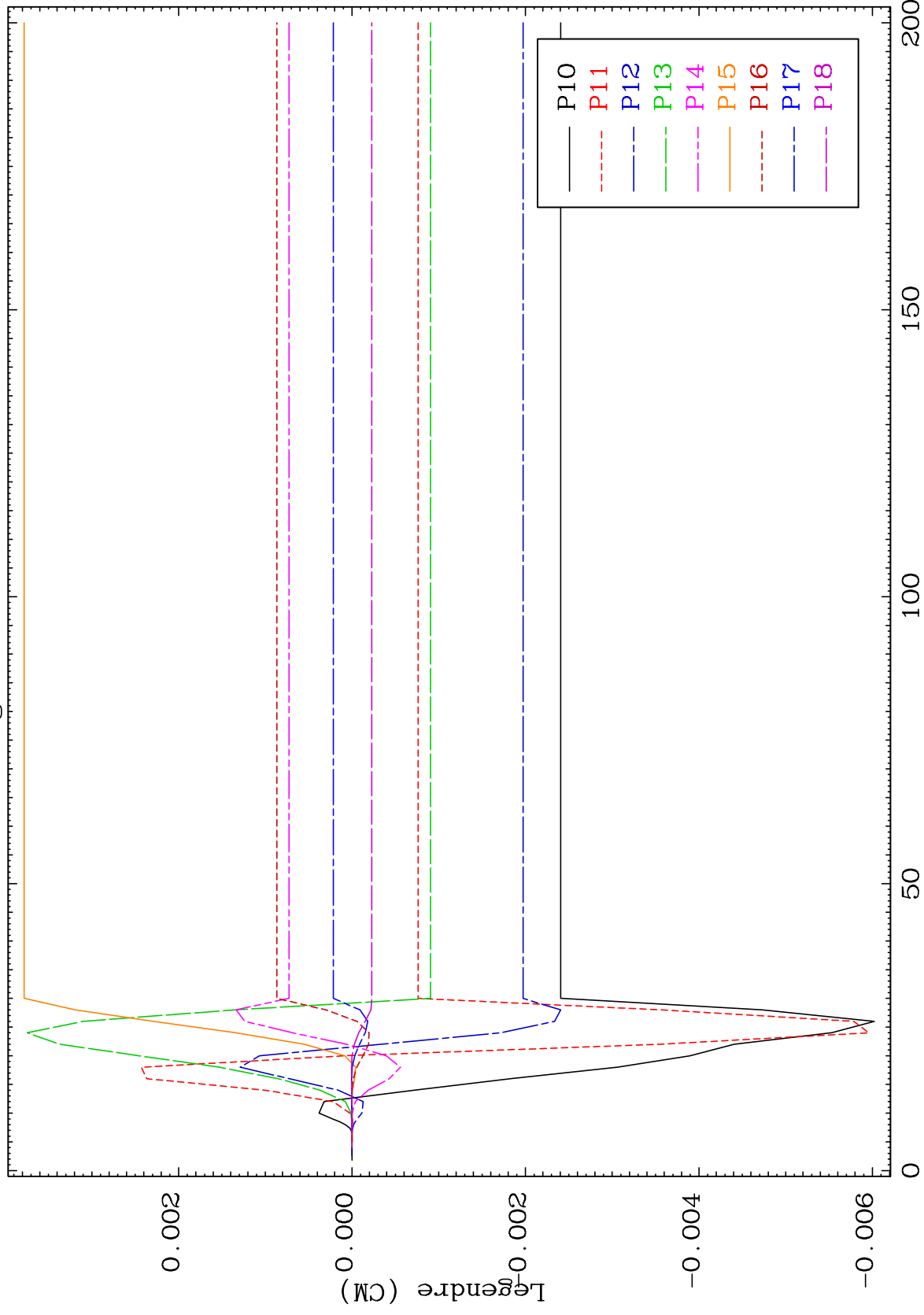


52

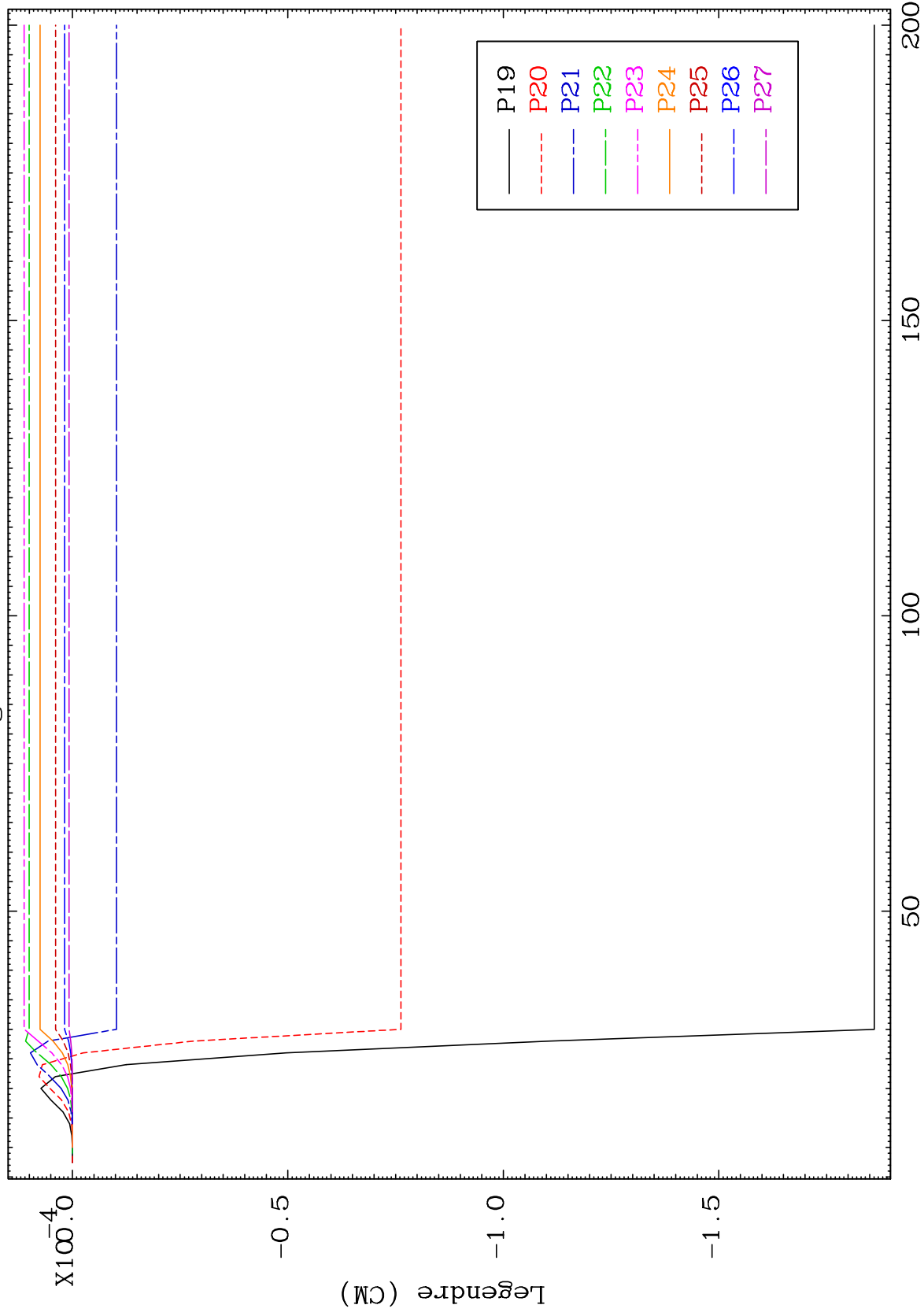
Incident Energy (MeV)

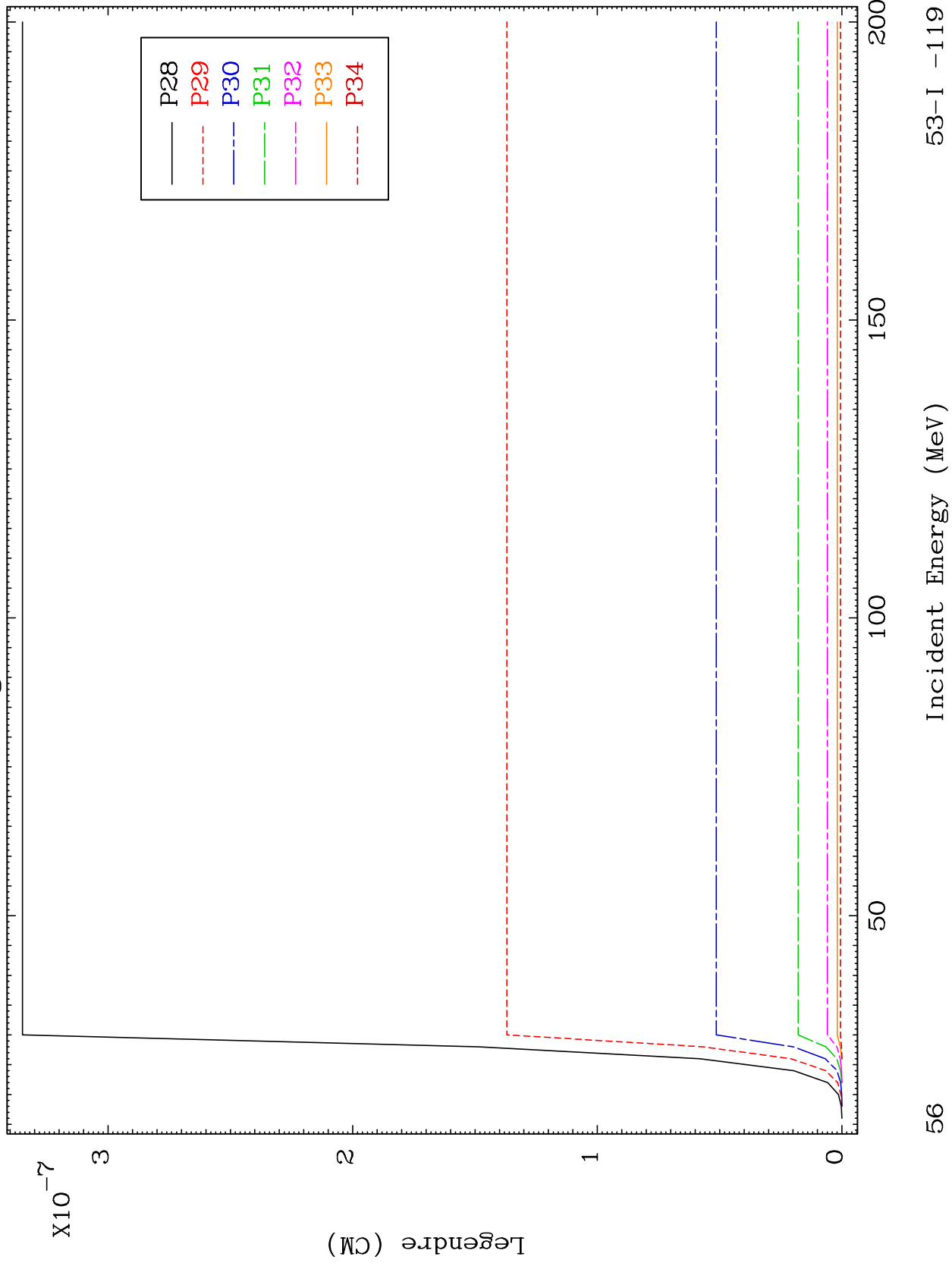
53-I -119

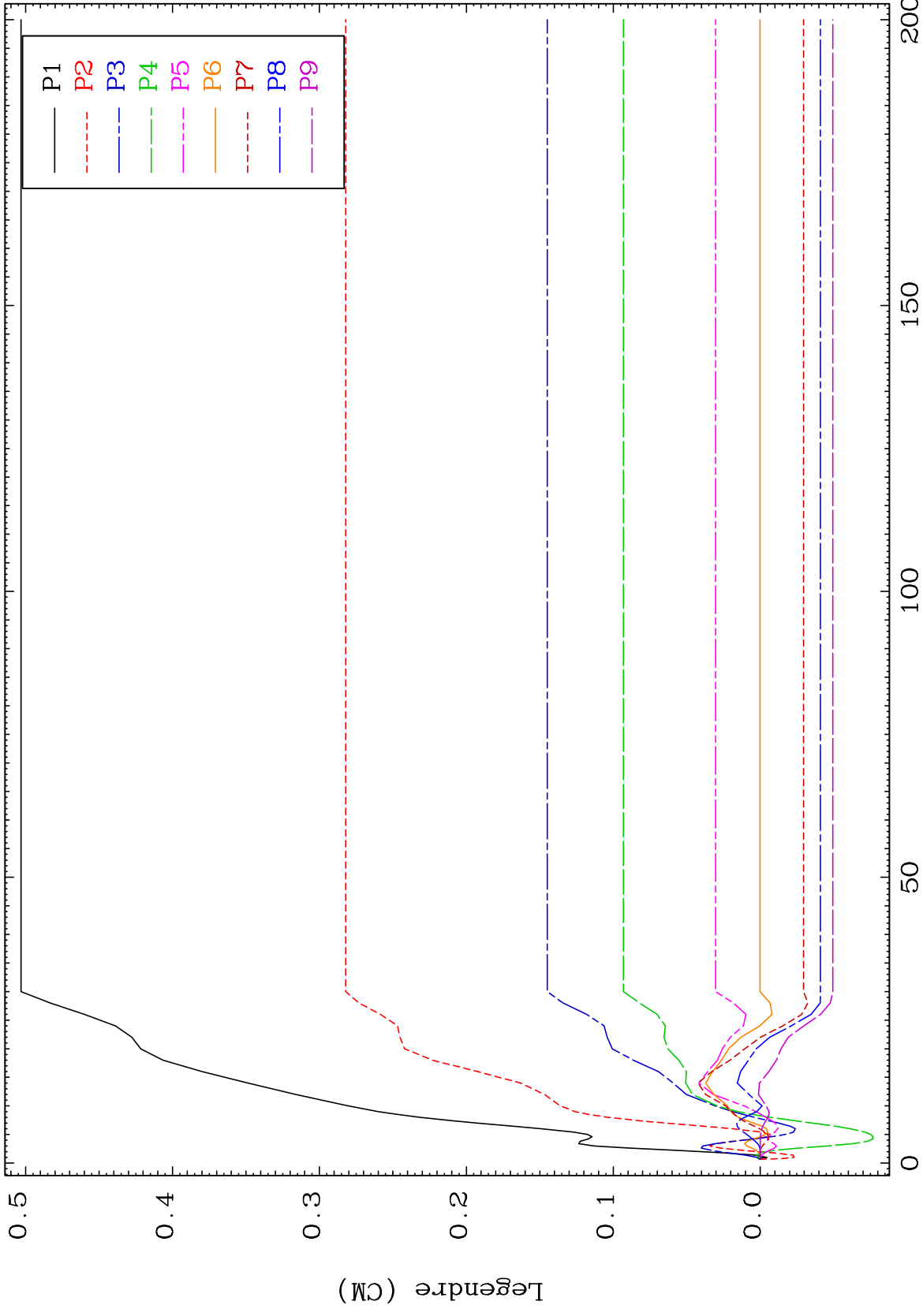


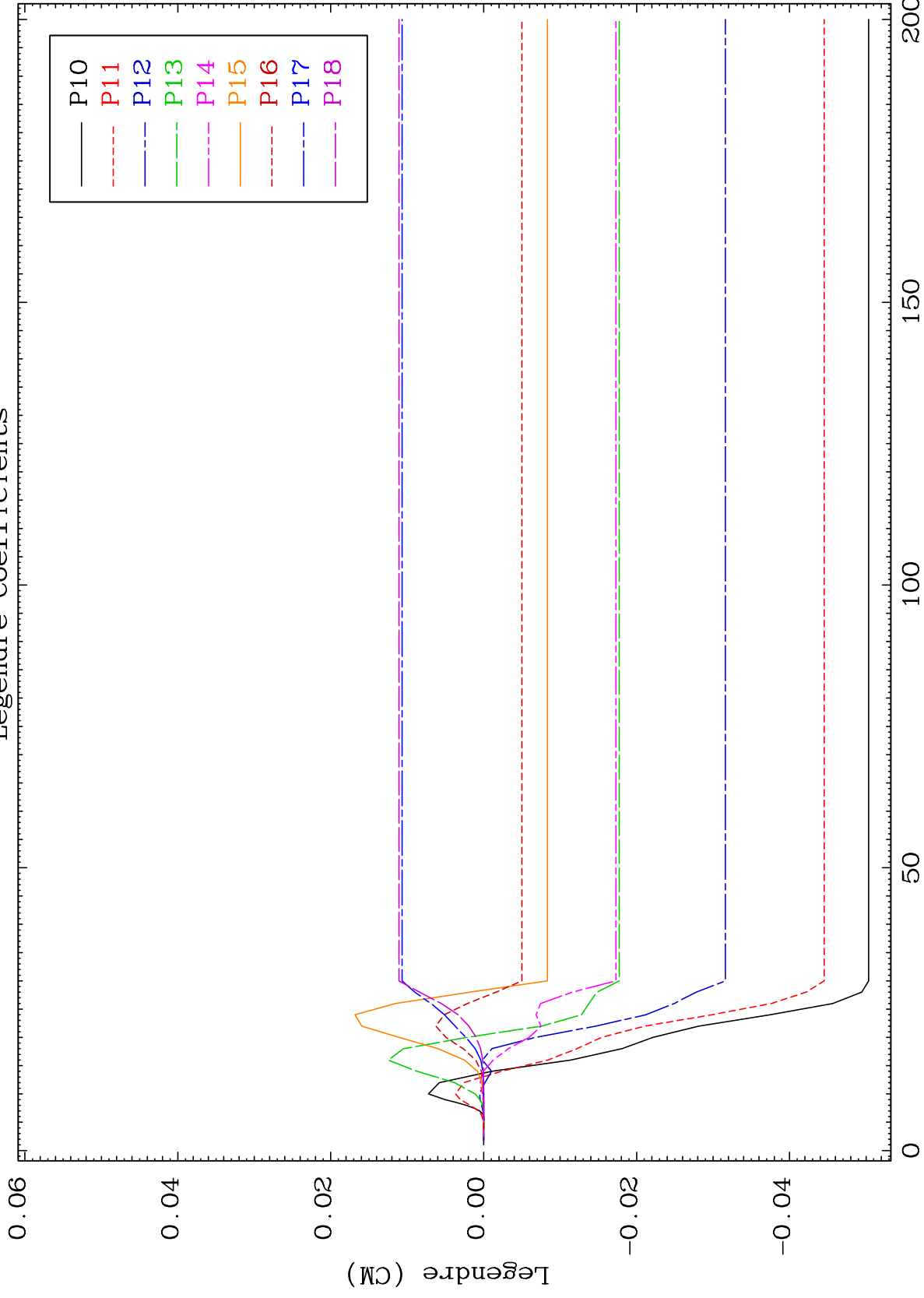


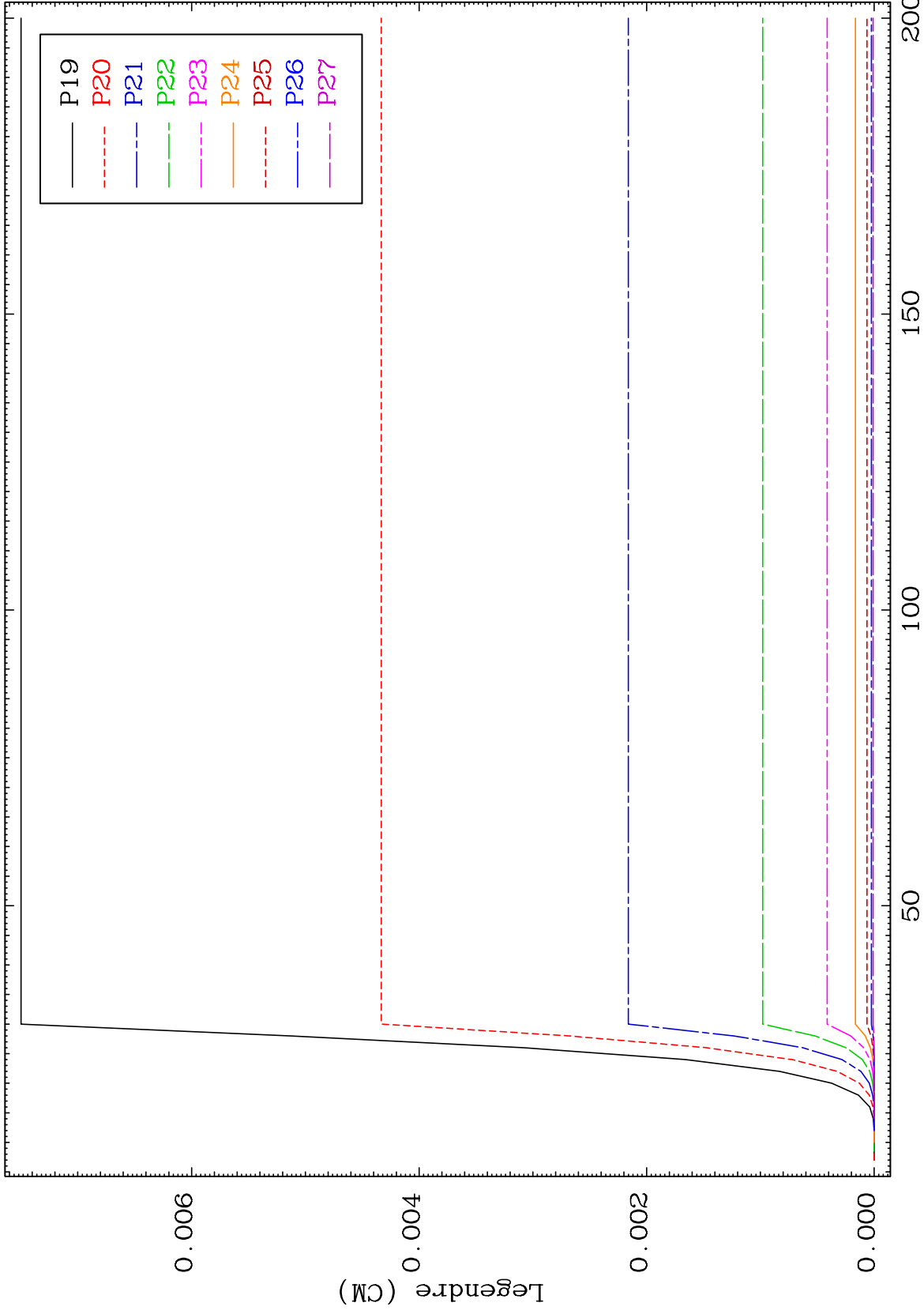
MT= 59 (n,n') Level
Legendre Coefficients







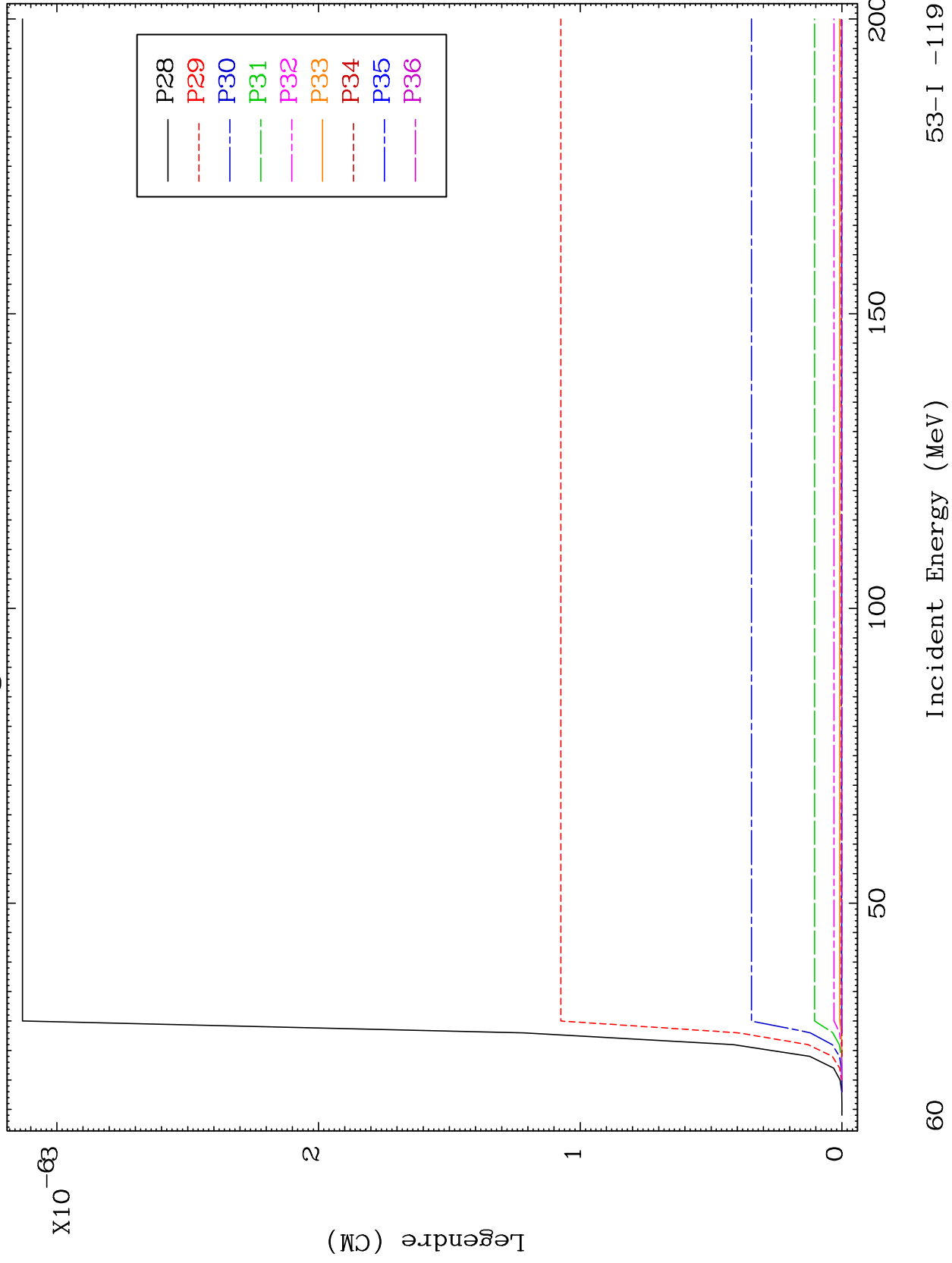




MAT 5301

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

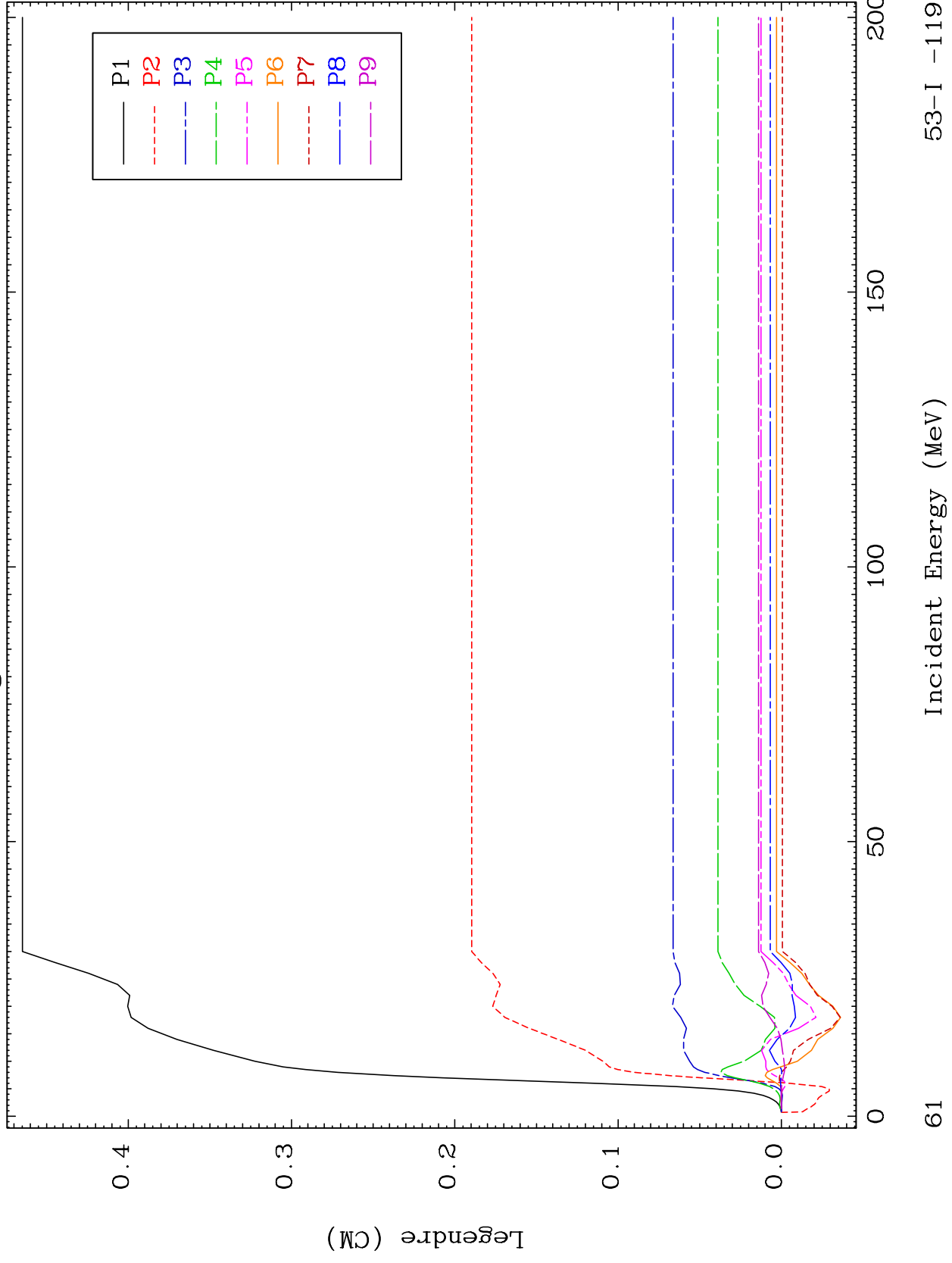
53-I -119



MAT 5301

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

53-I -119



53-I -119

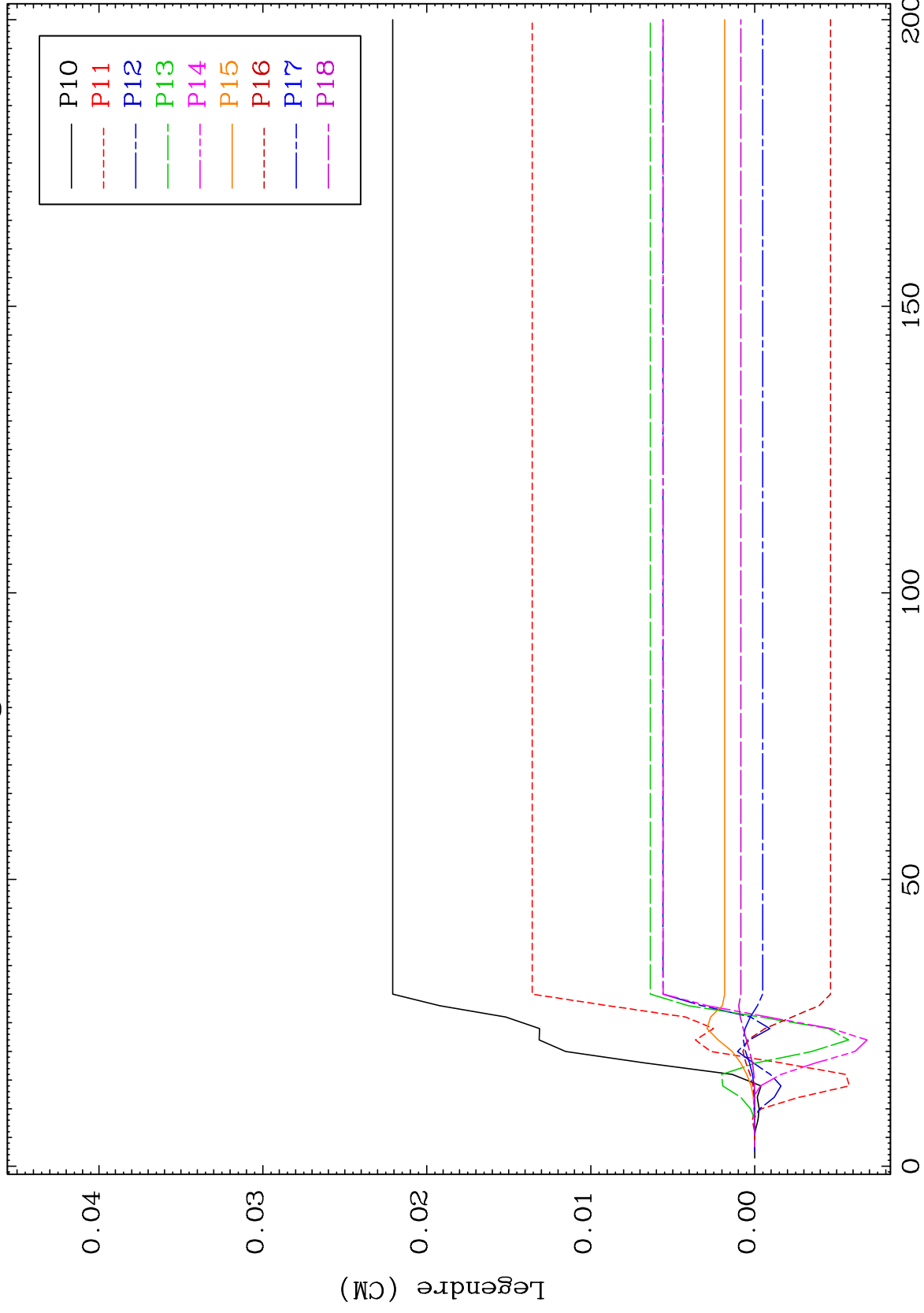
Incident Energy (MeV)

61

MAT 5301

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

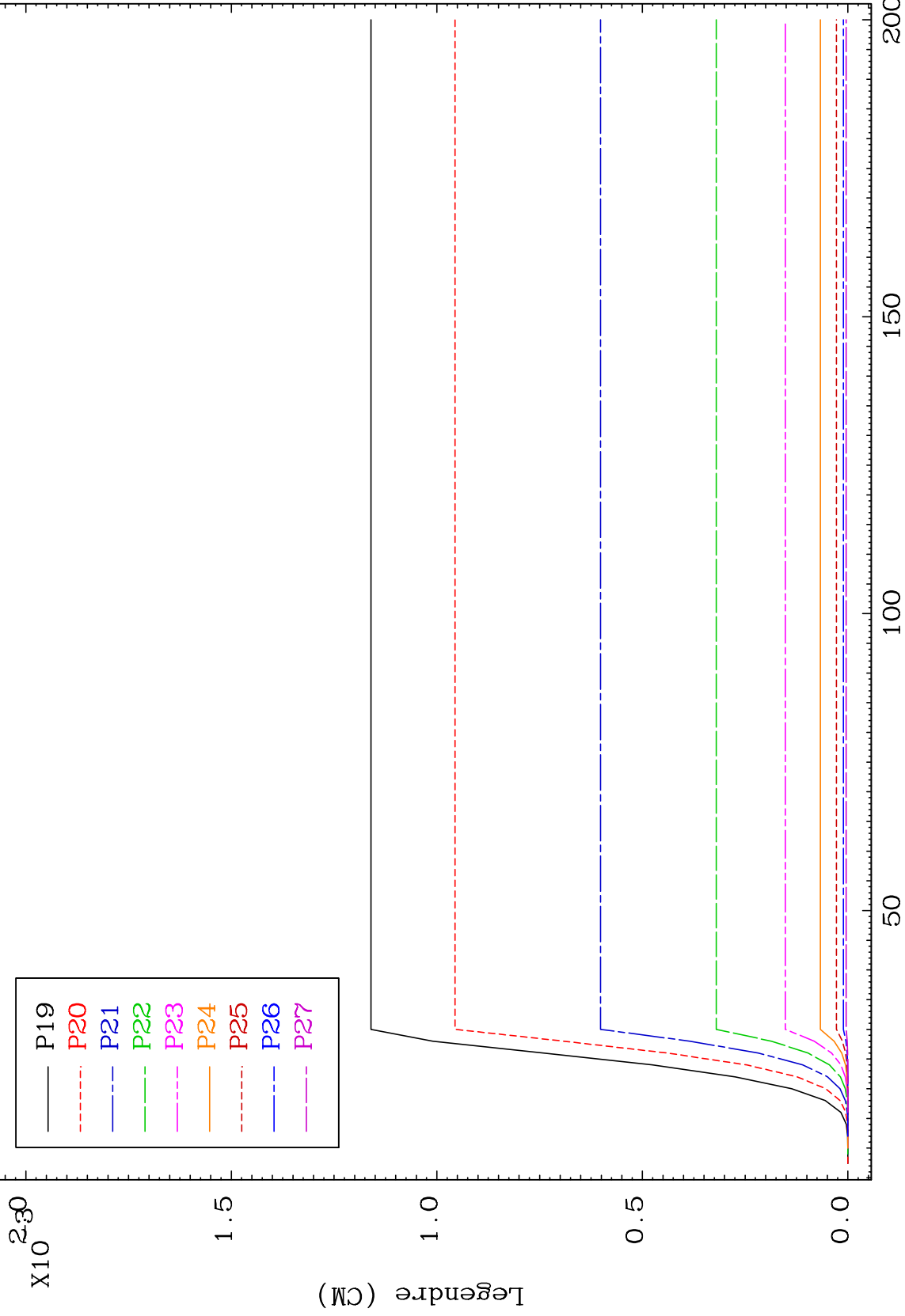
53-I -119

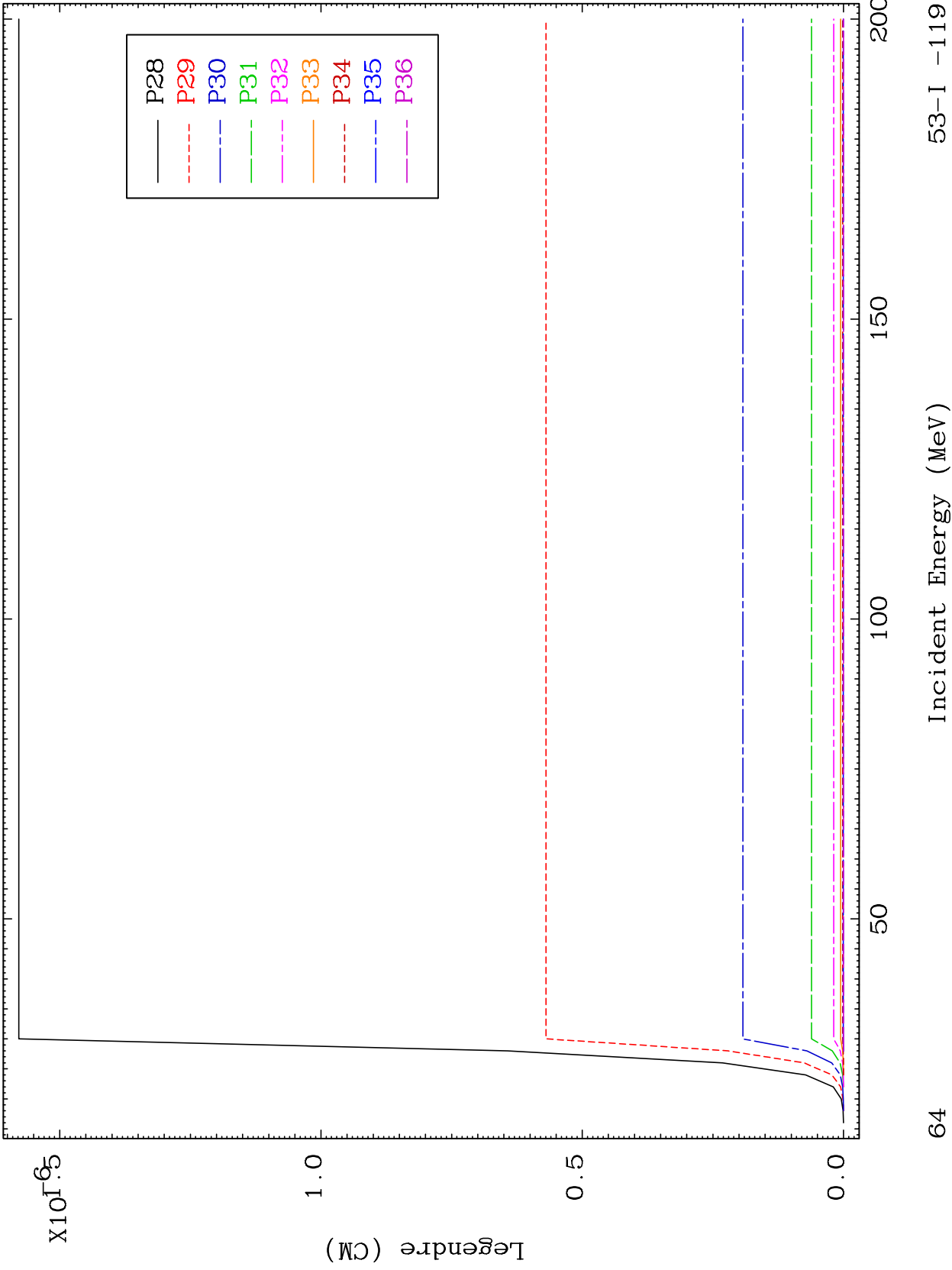


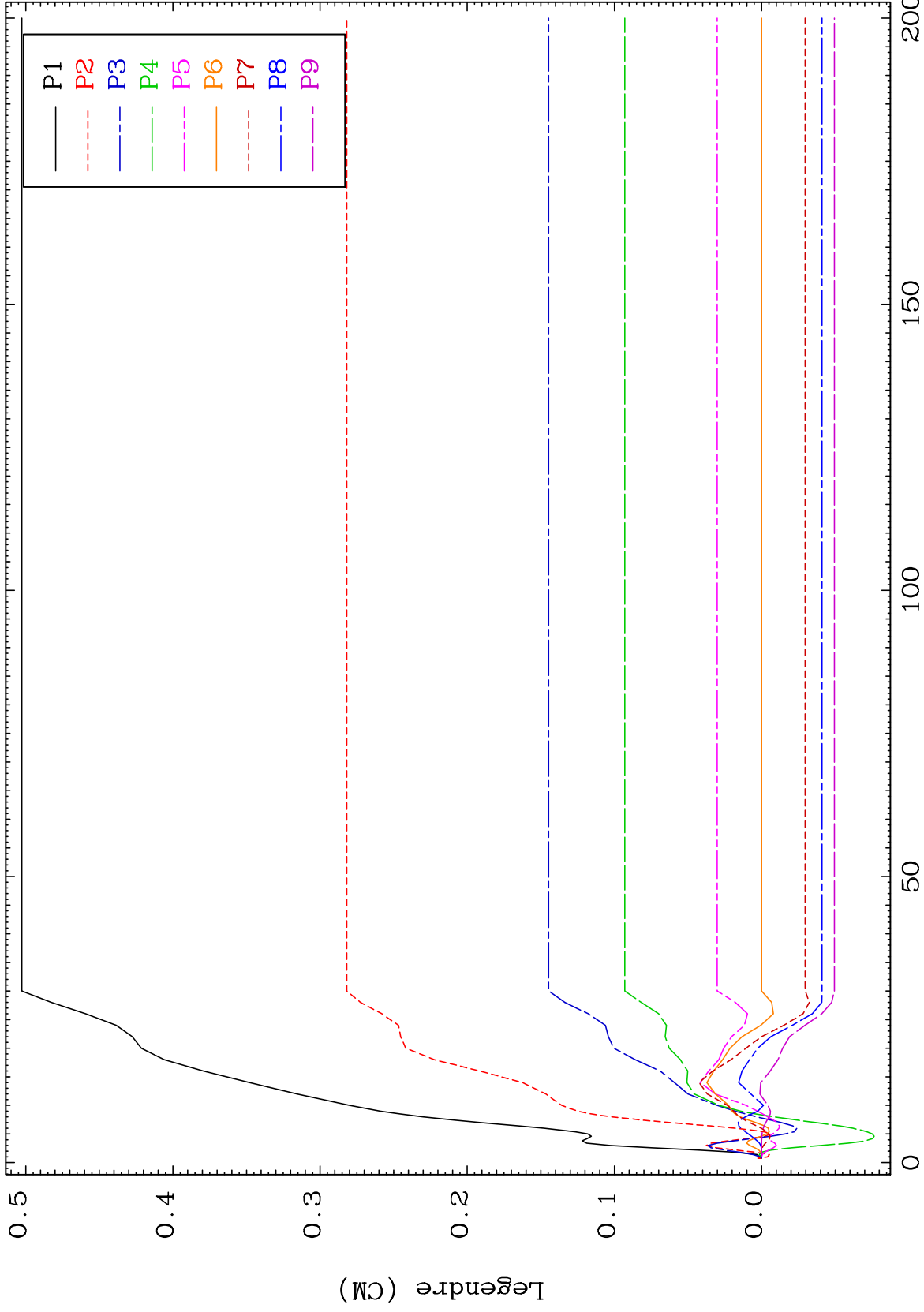
62

Incident Energy (MeV)

53-I -119



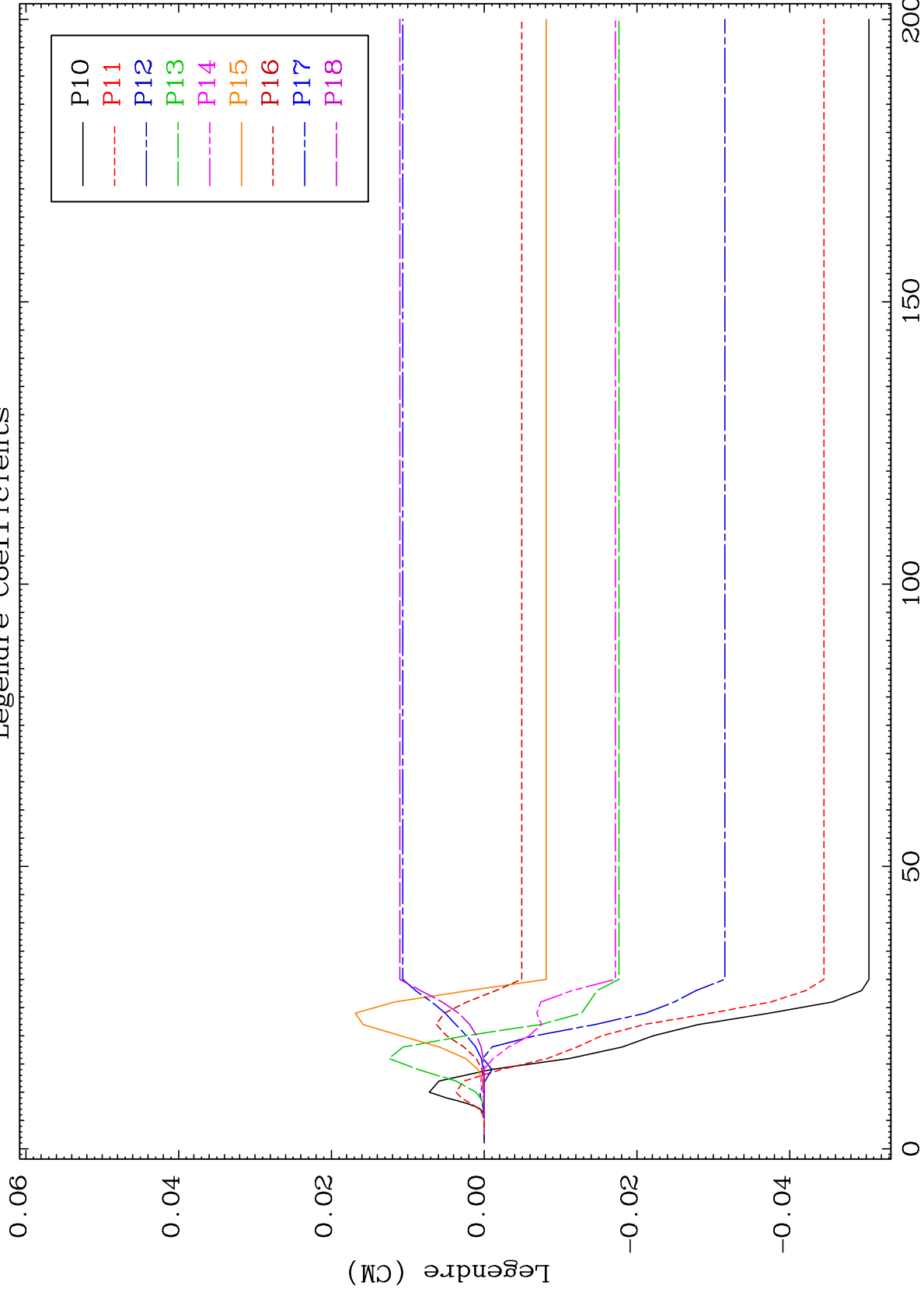




MAT 5301

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

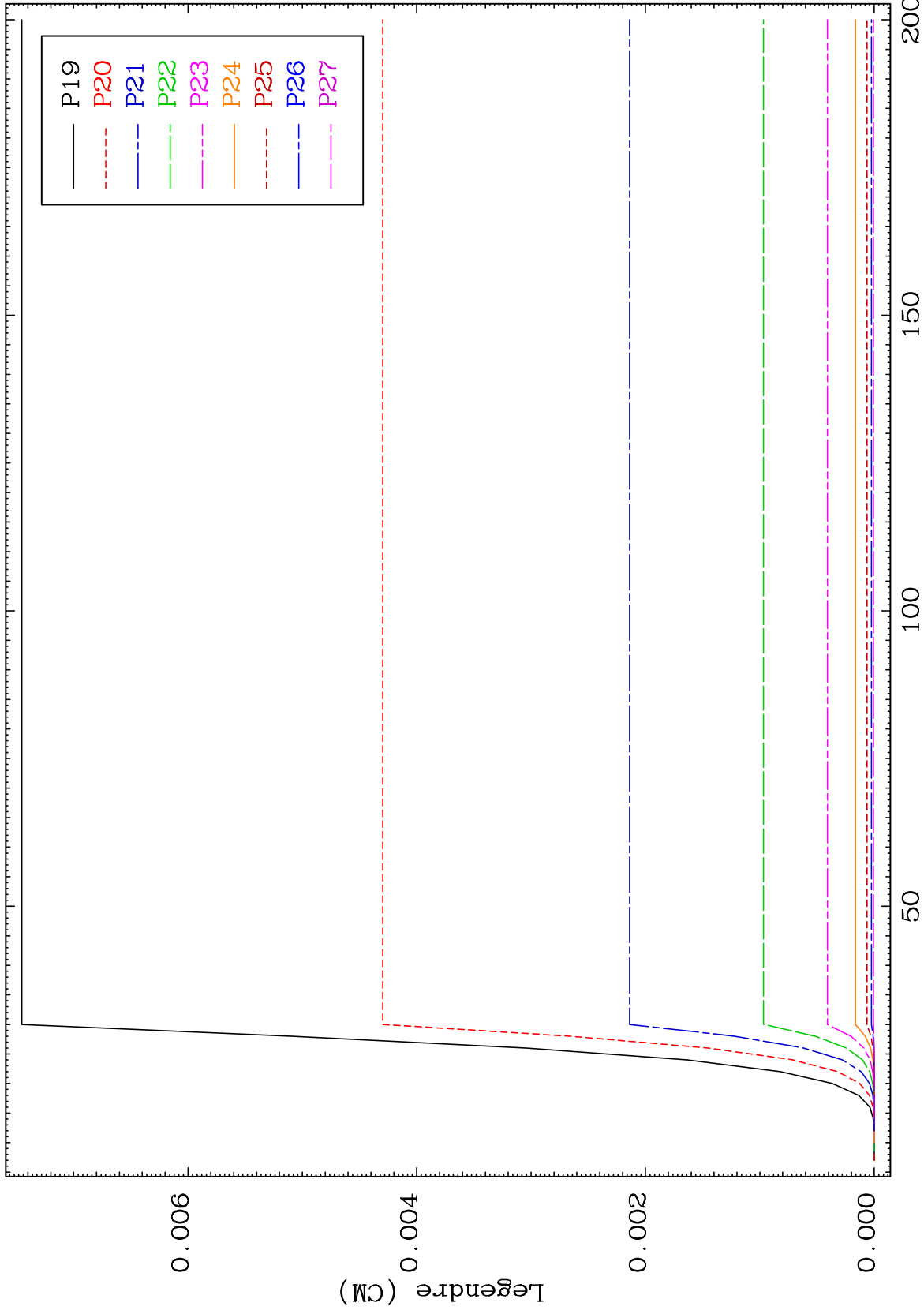
53-I -119



66

Incident Energy (MeV)

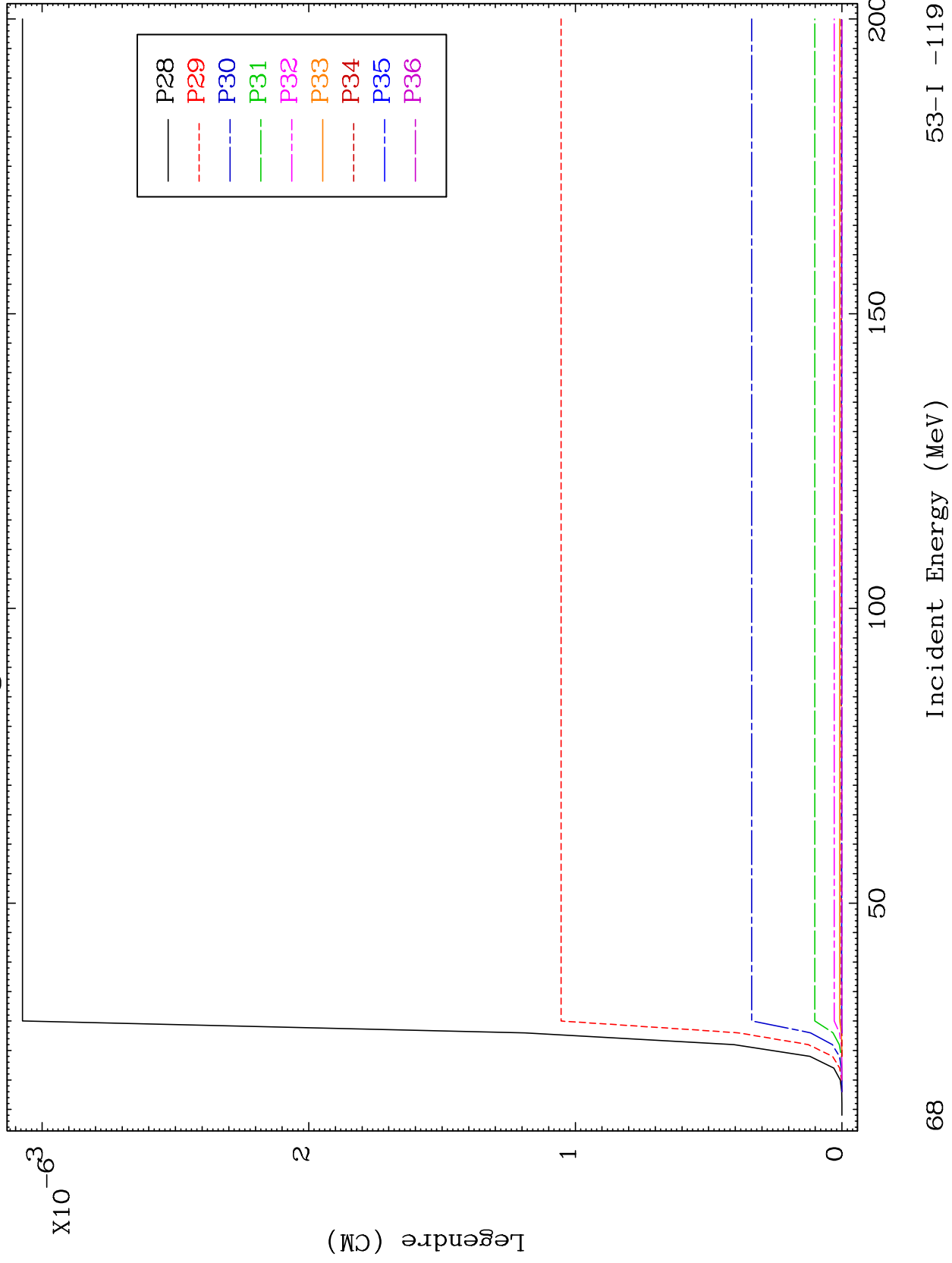
53-I -119



MAT 5301

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

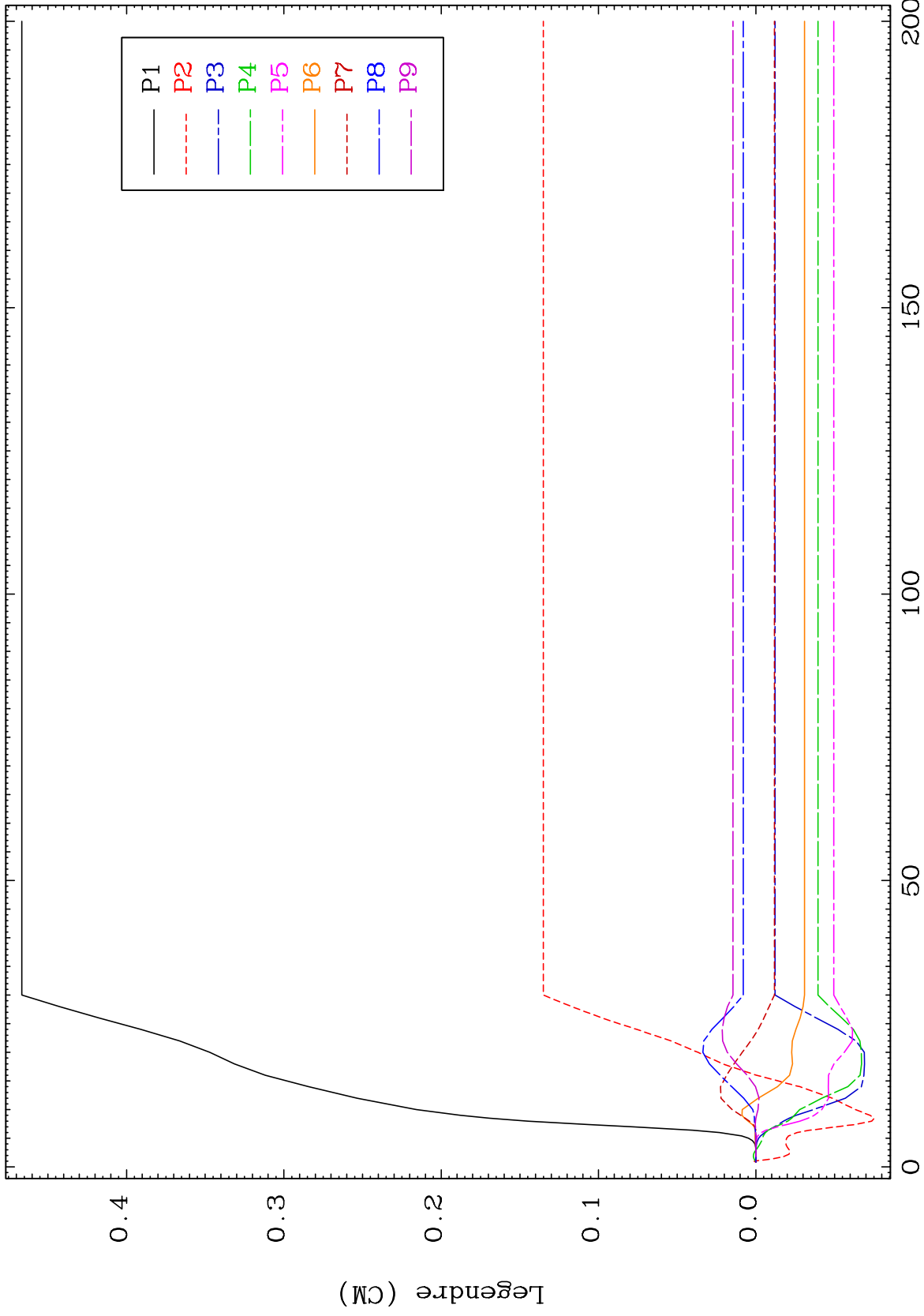
53-I -119

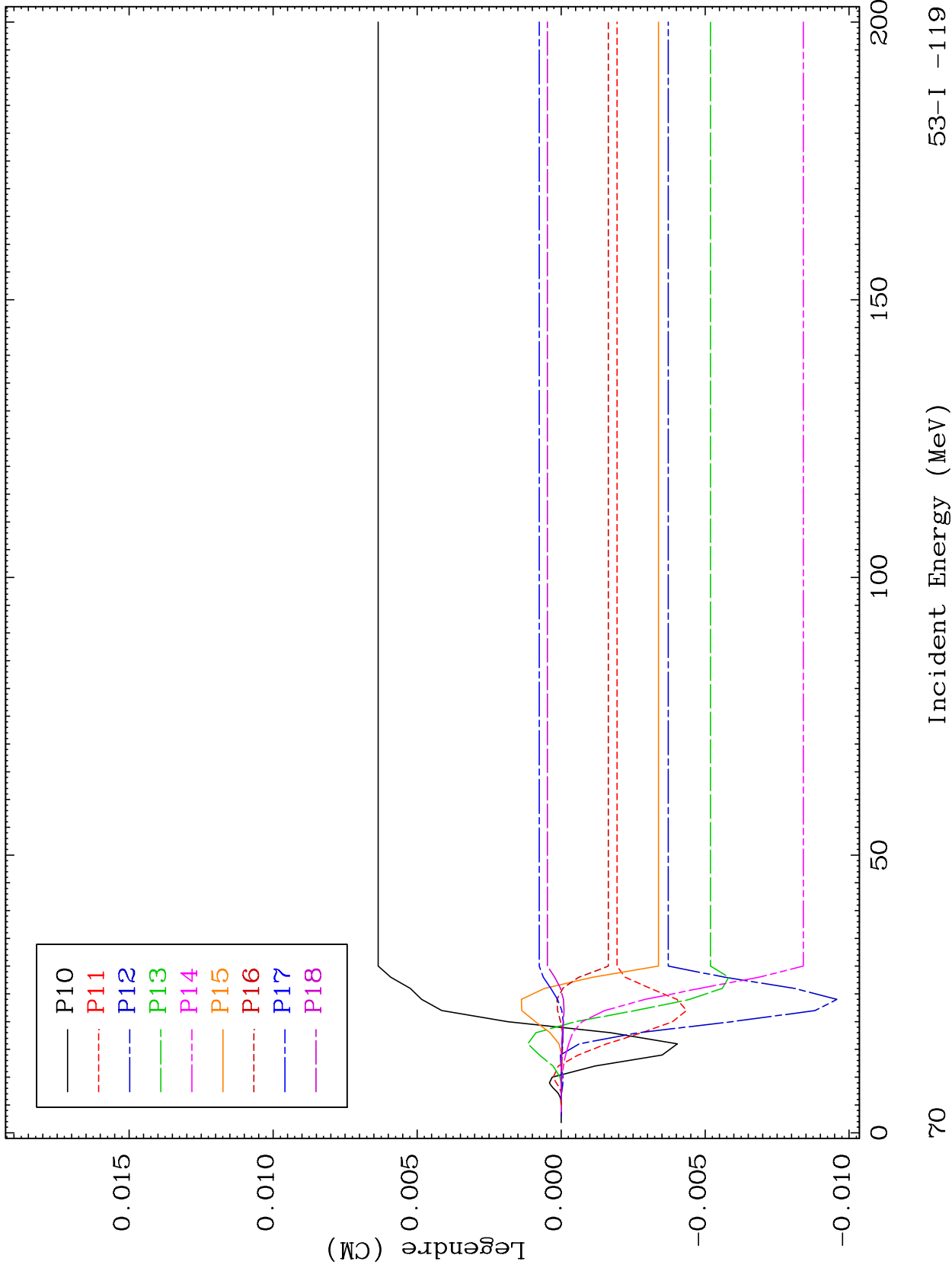


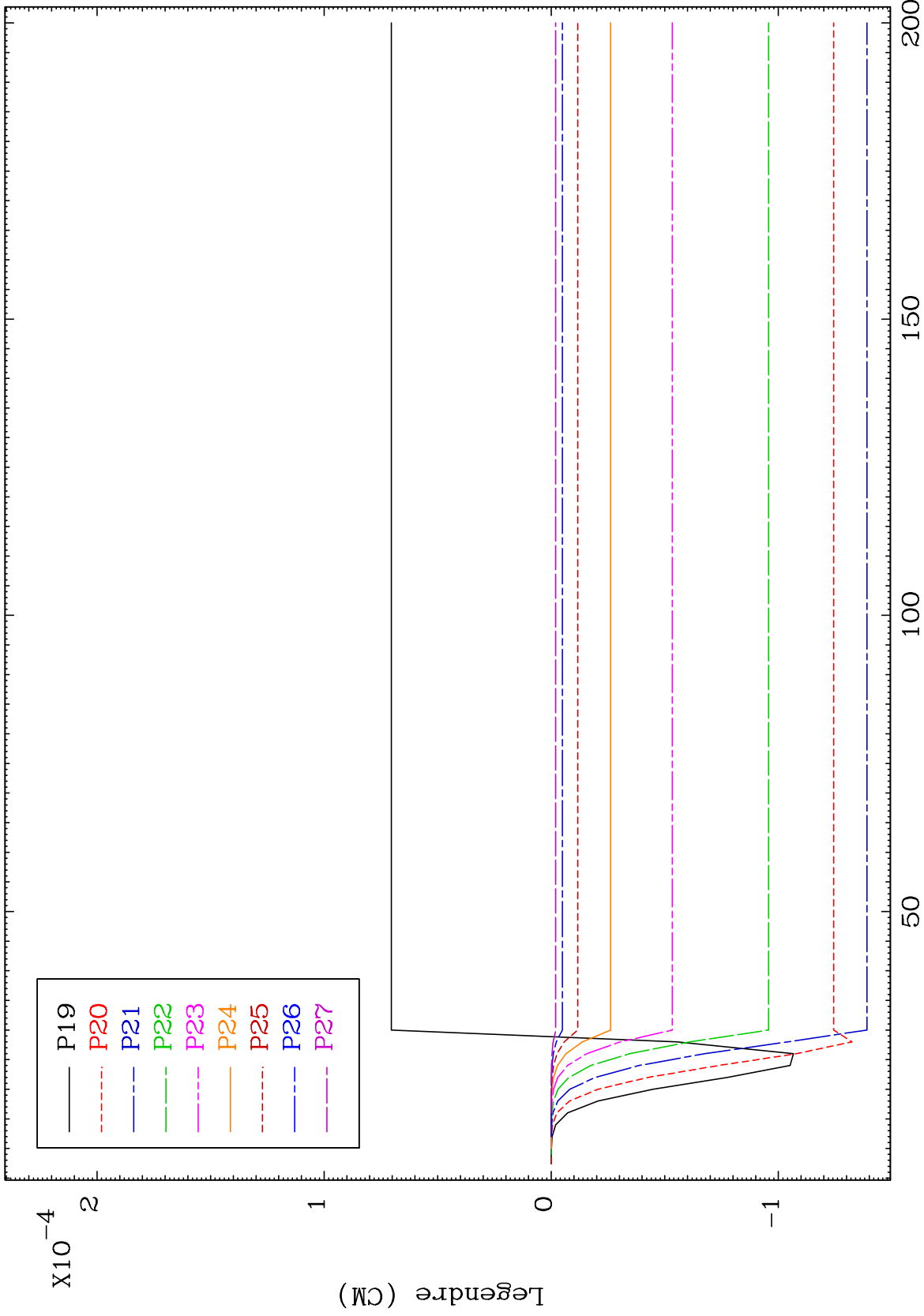
68

Incident Energy (MeV)

53-I -119



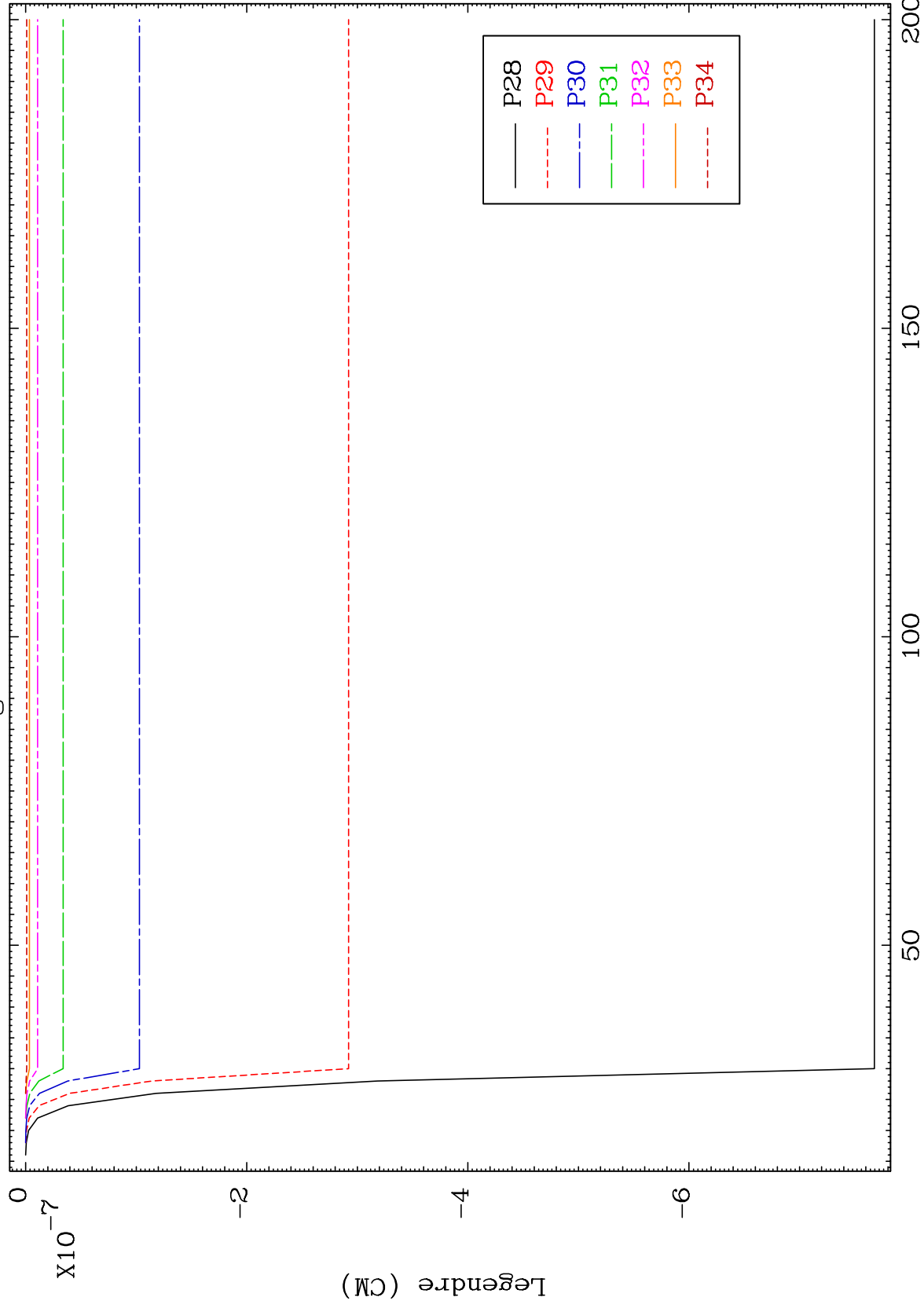




MAT 5301

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

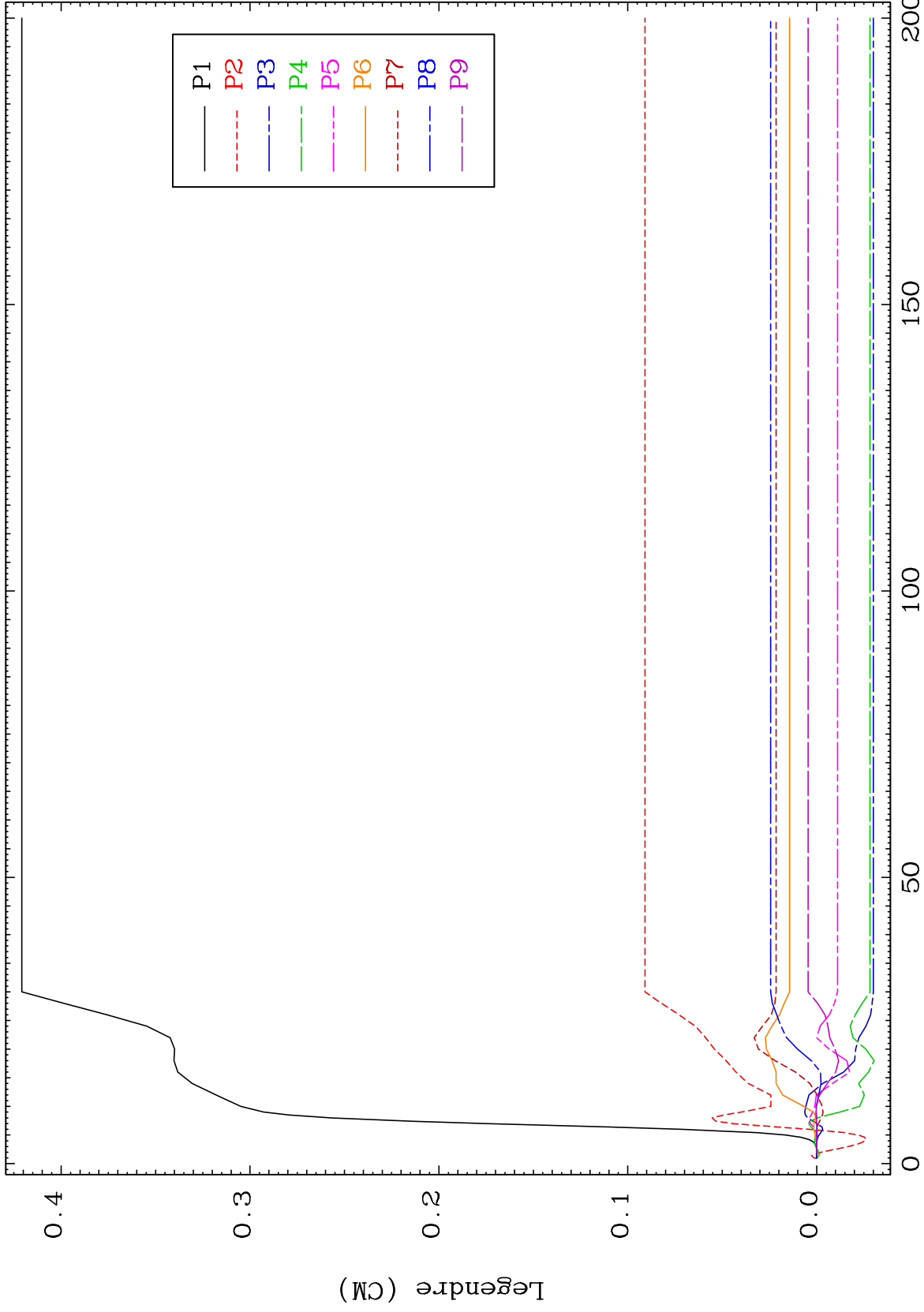
53-I -119

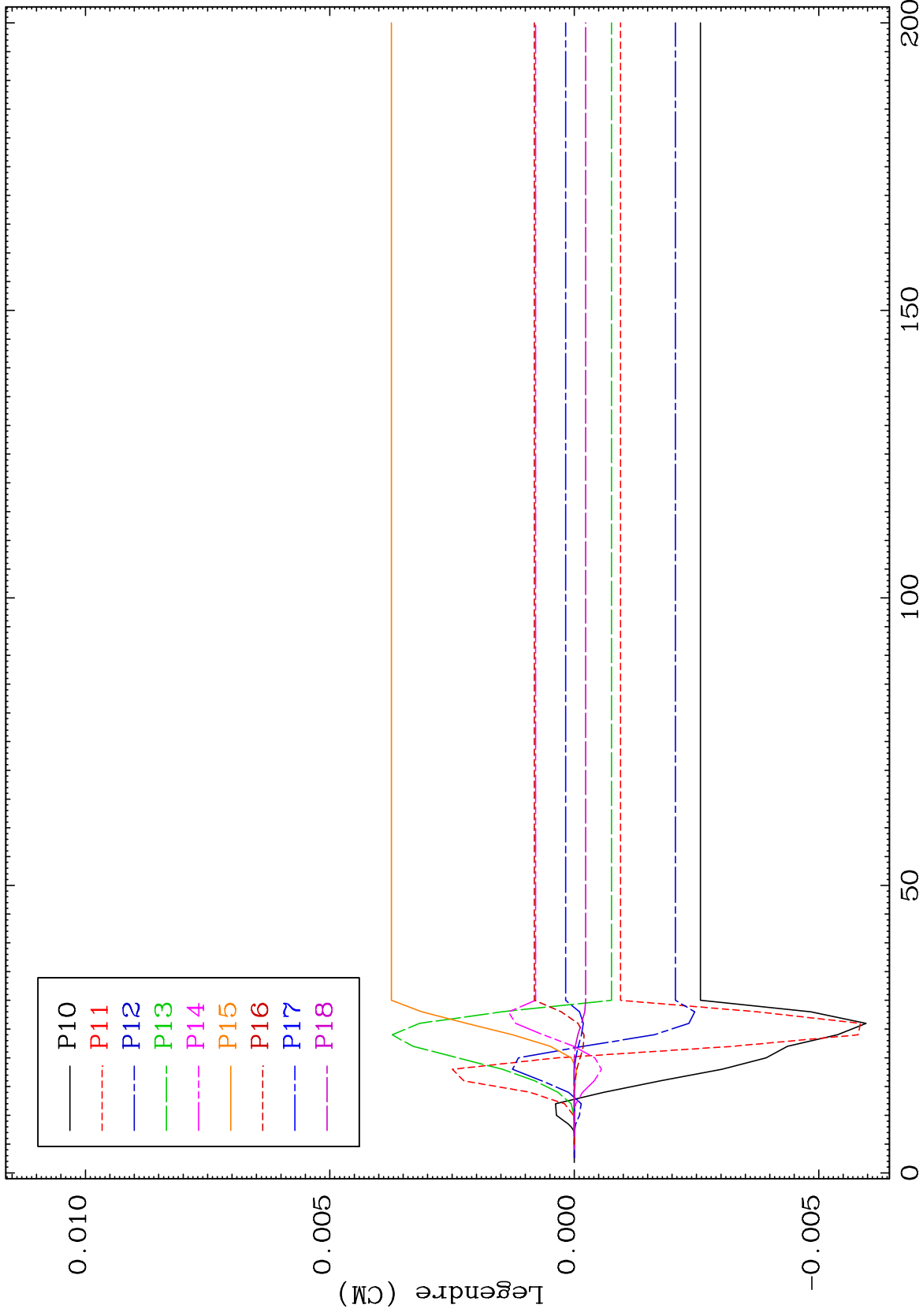


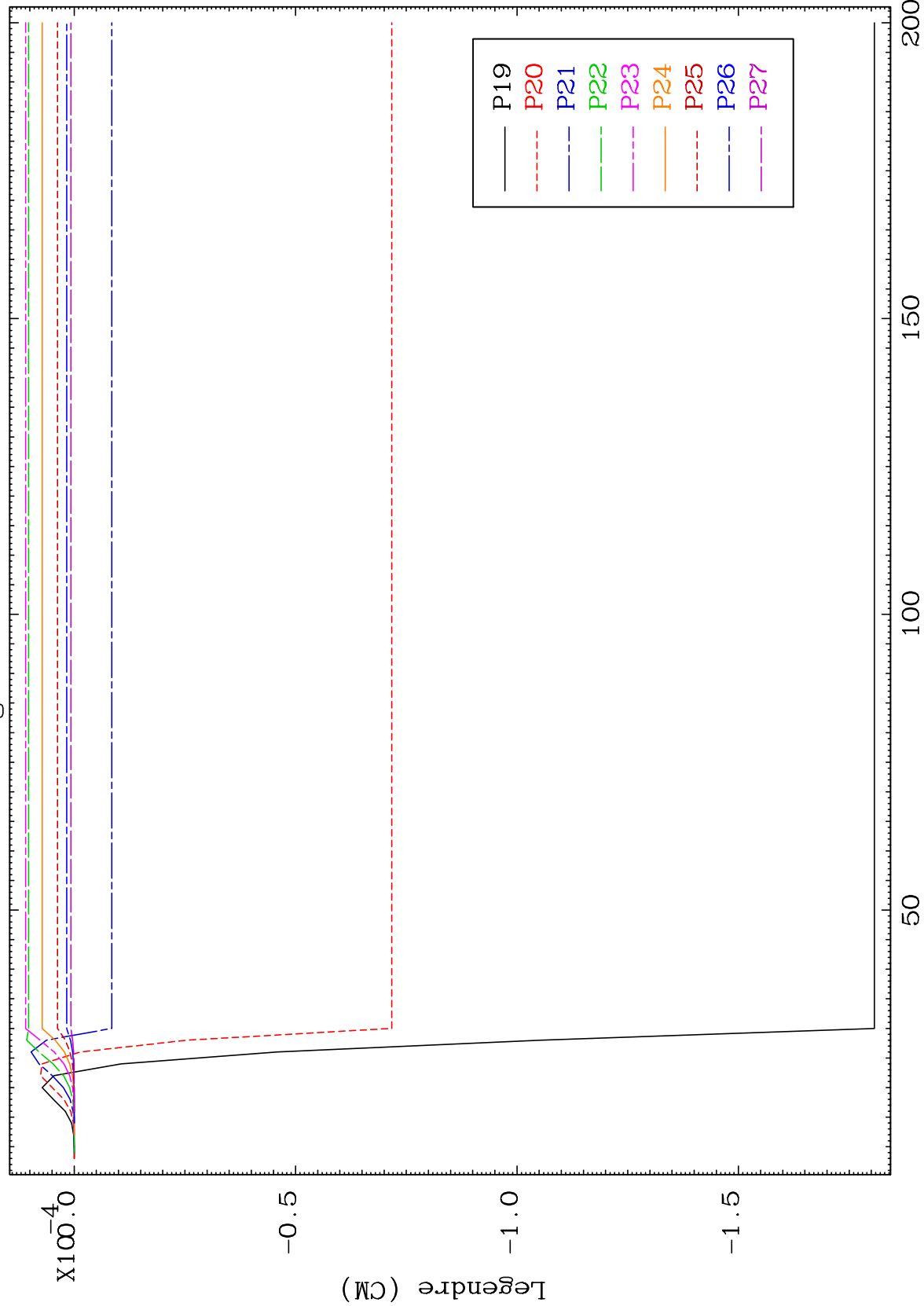
72

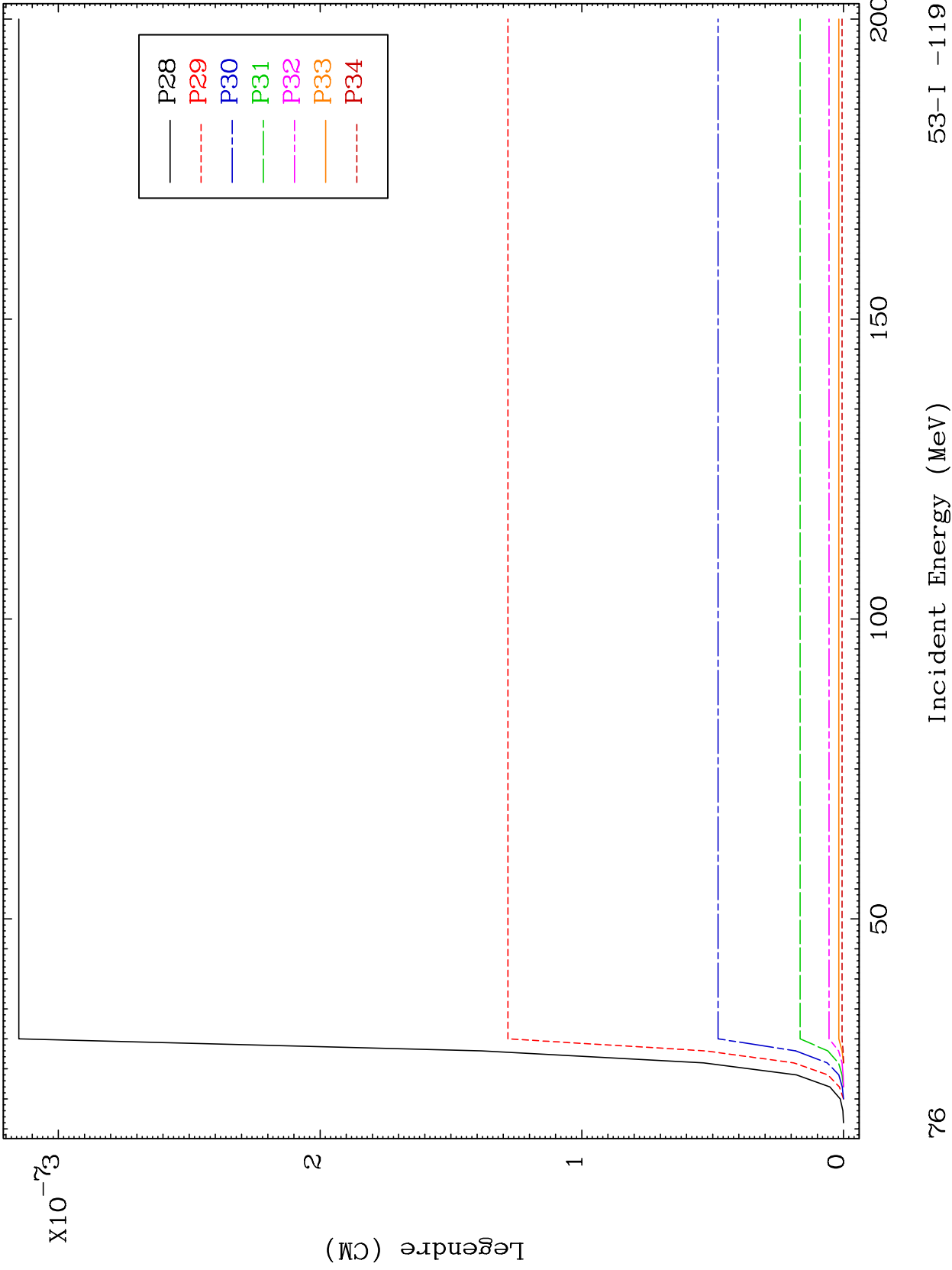
Incident Energy (MeV)

53-I -119





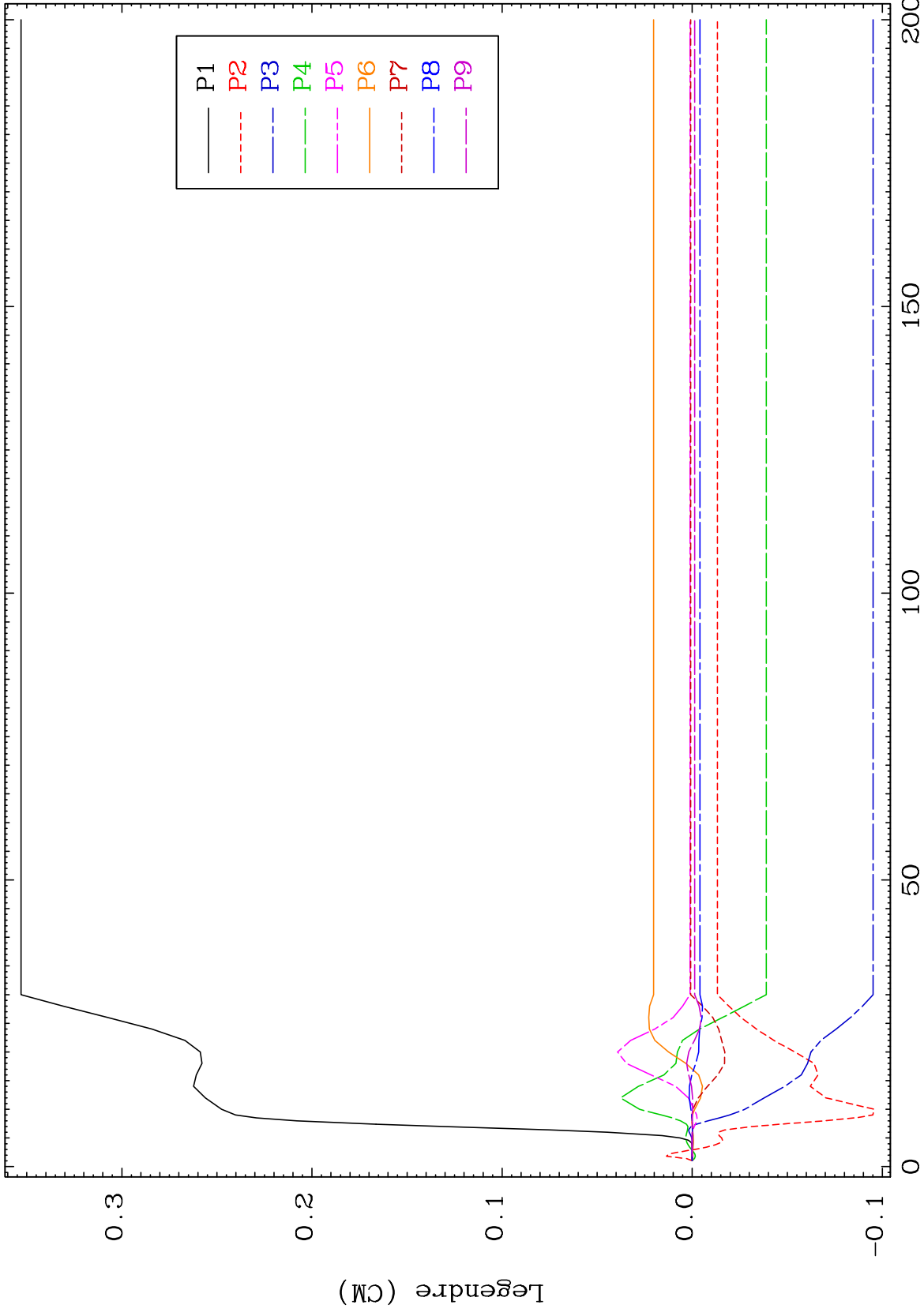




MAT 5301

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

53-I -119



77

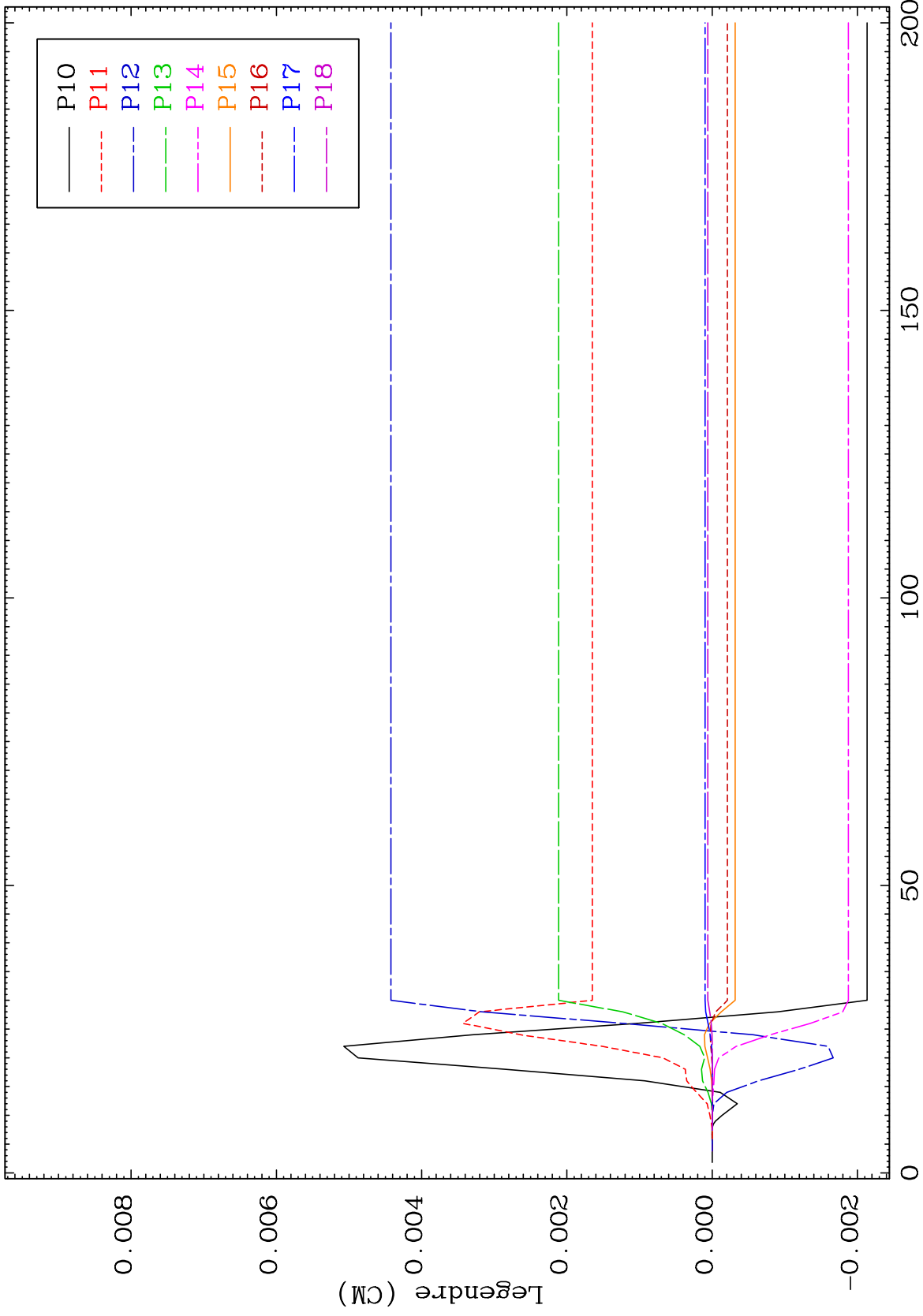
Incident Energy (MeV)

53-I -119

MAT 5301

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

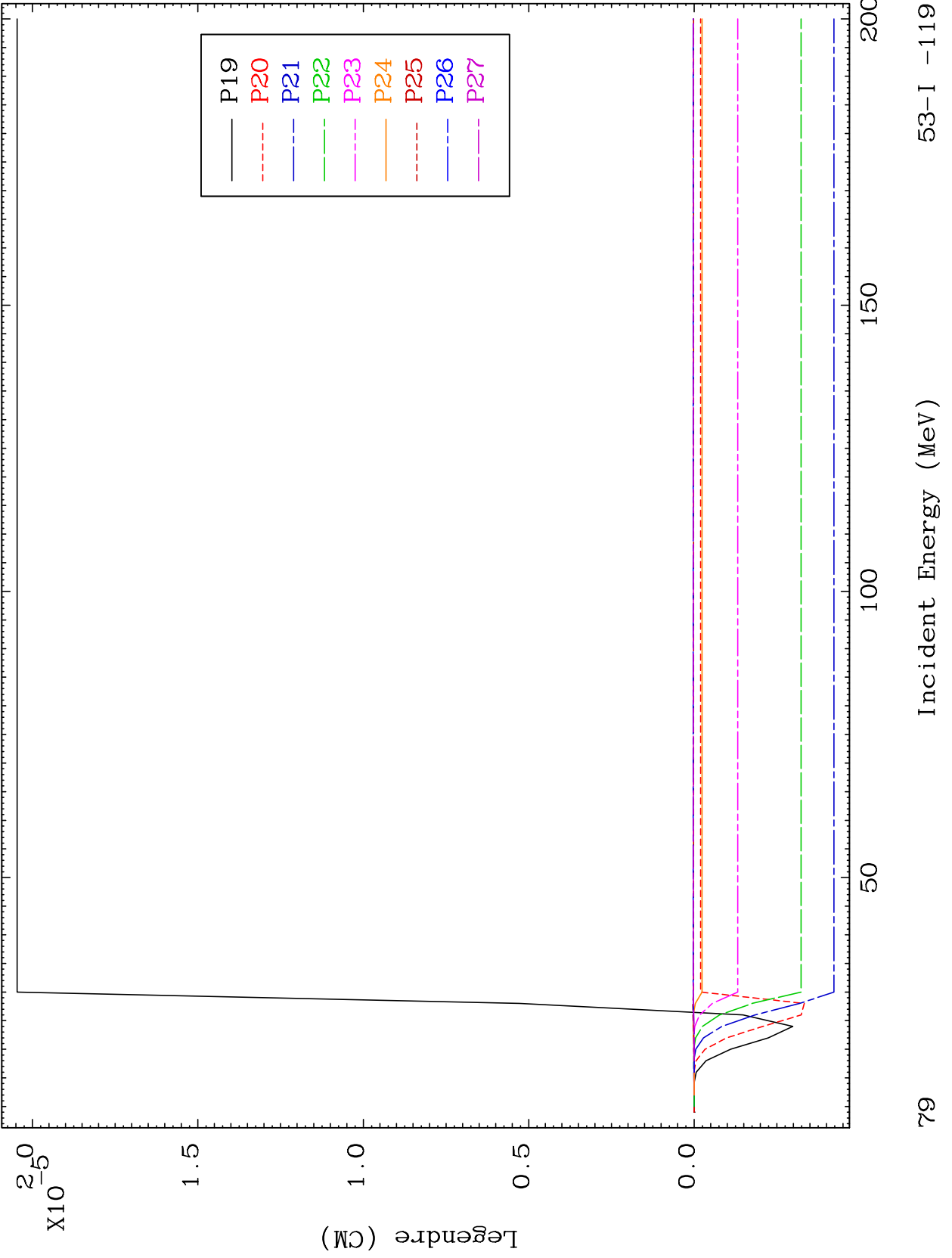
53-I -119



78

Incident Energy (MeV)

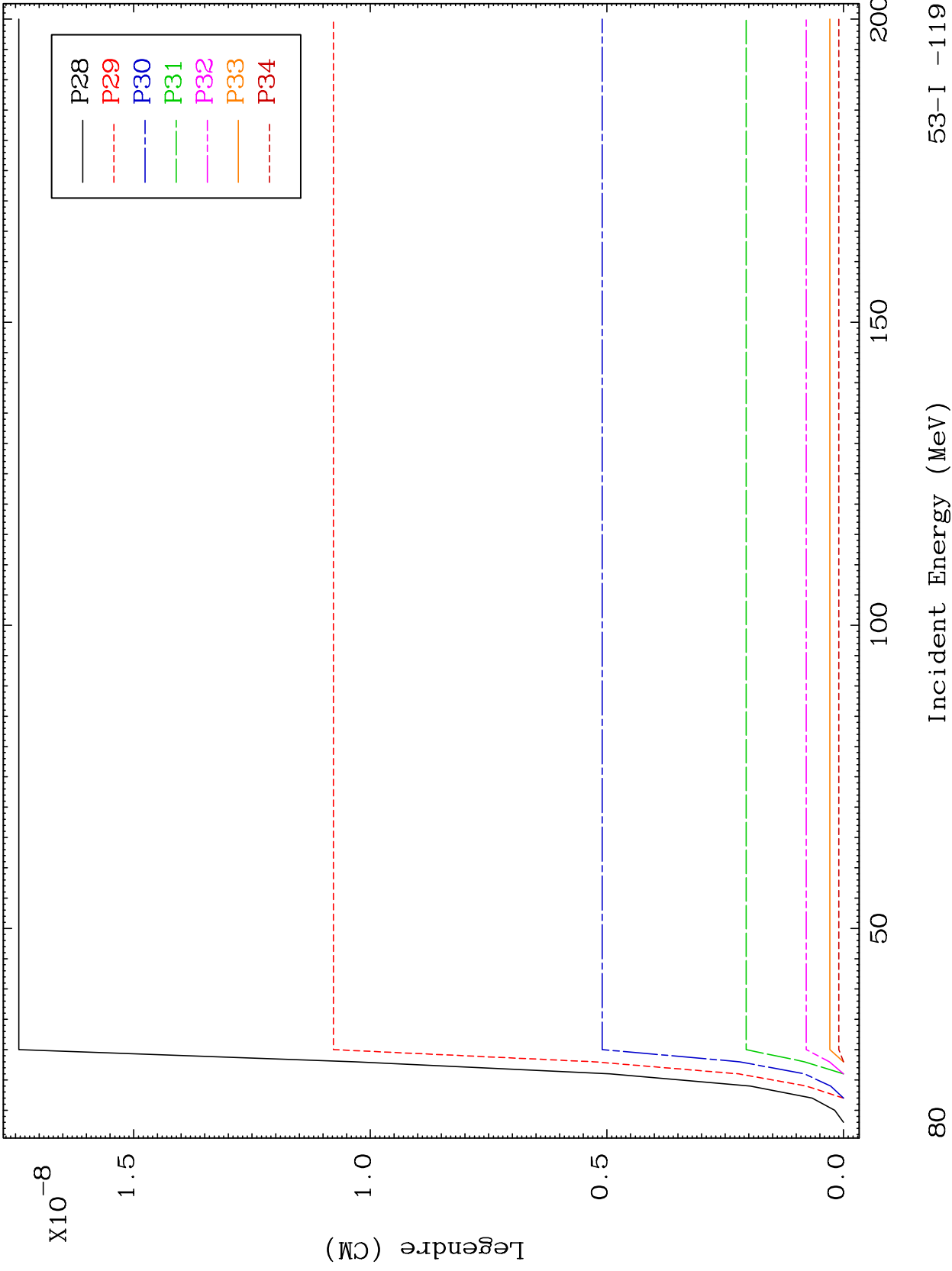
53-I -119



MAT 5301

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

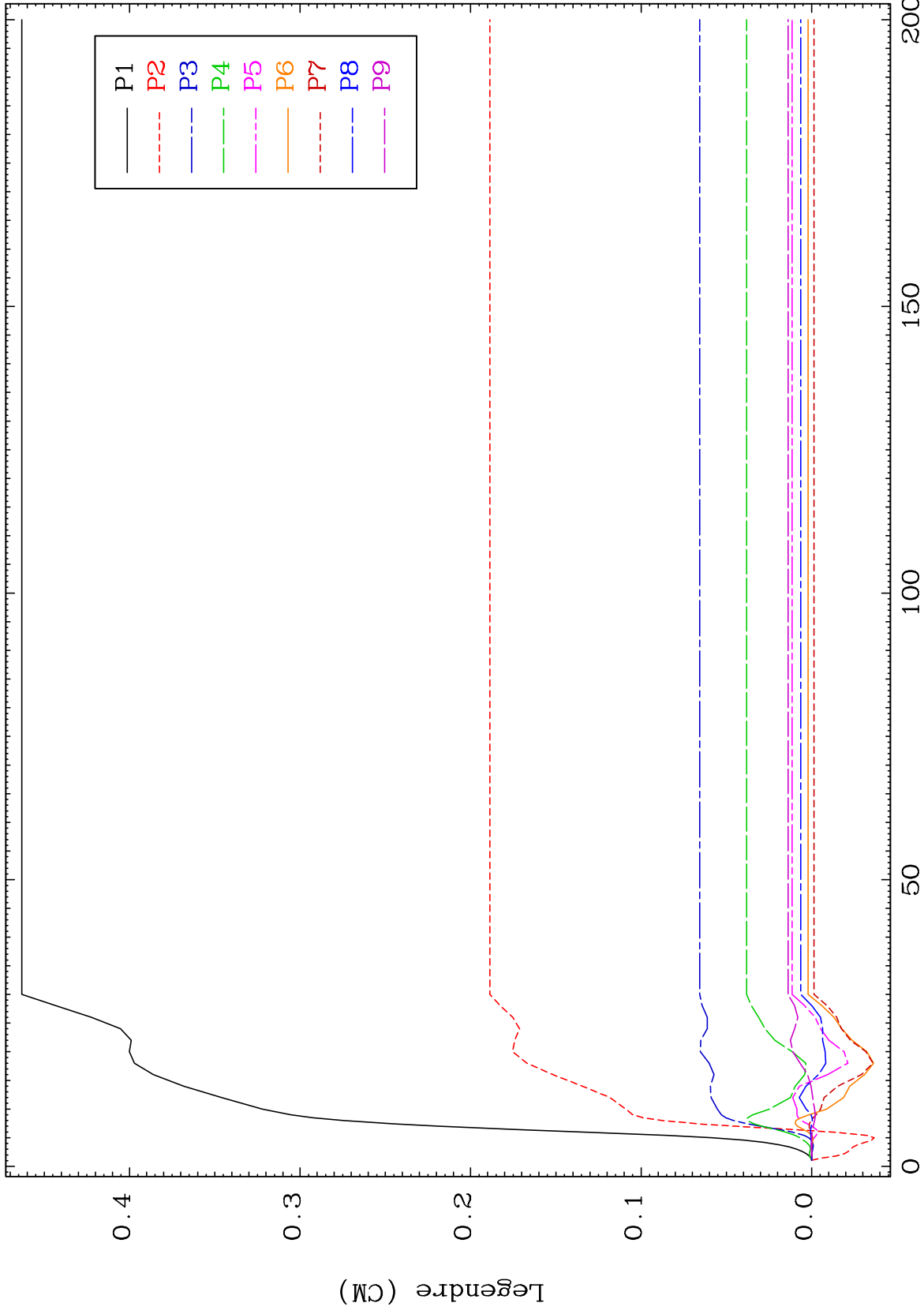
53-I -119

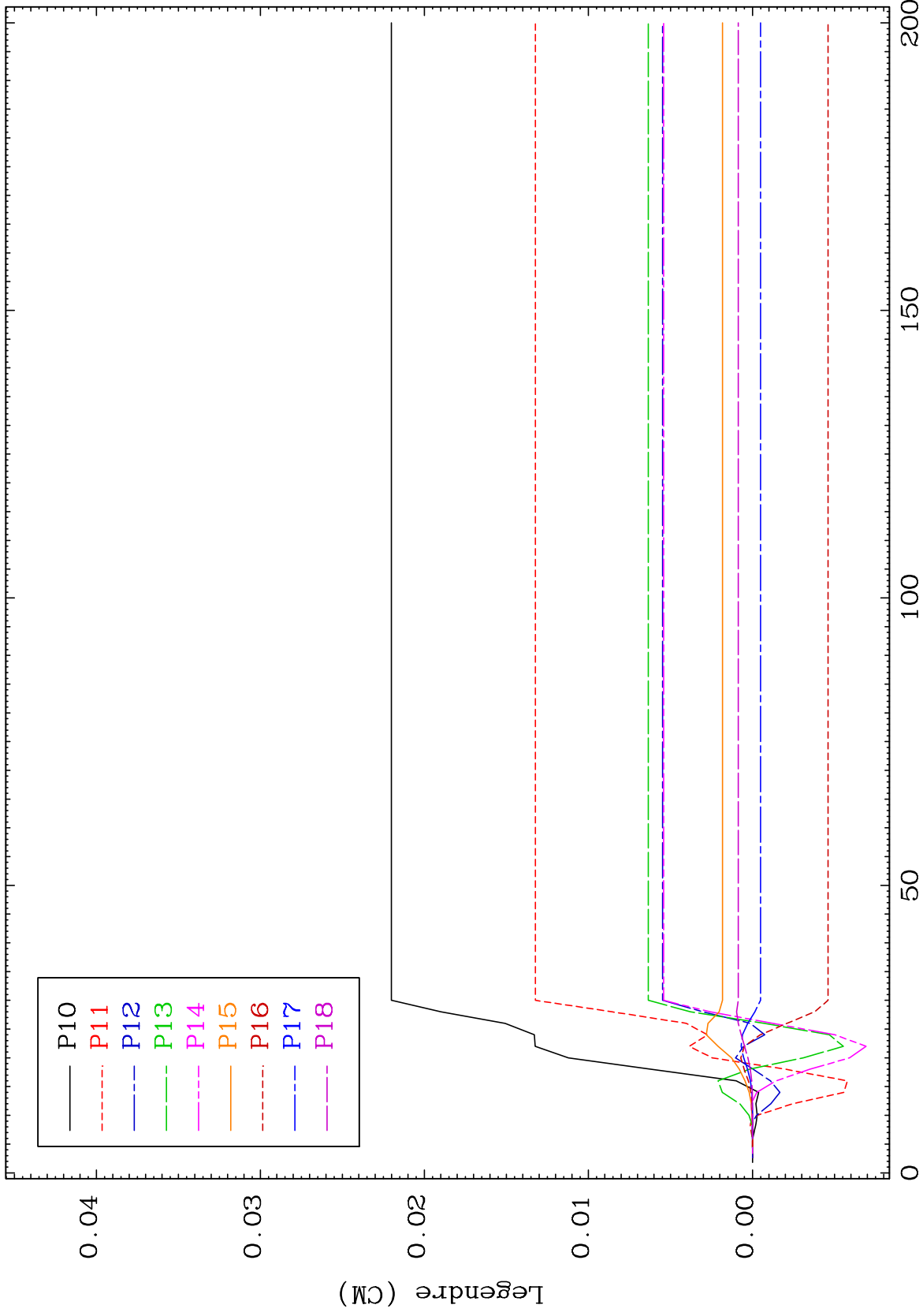


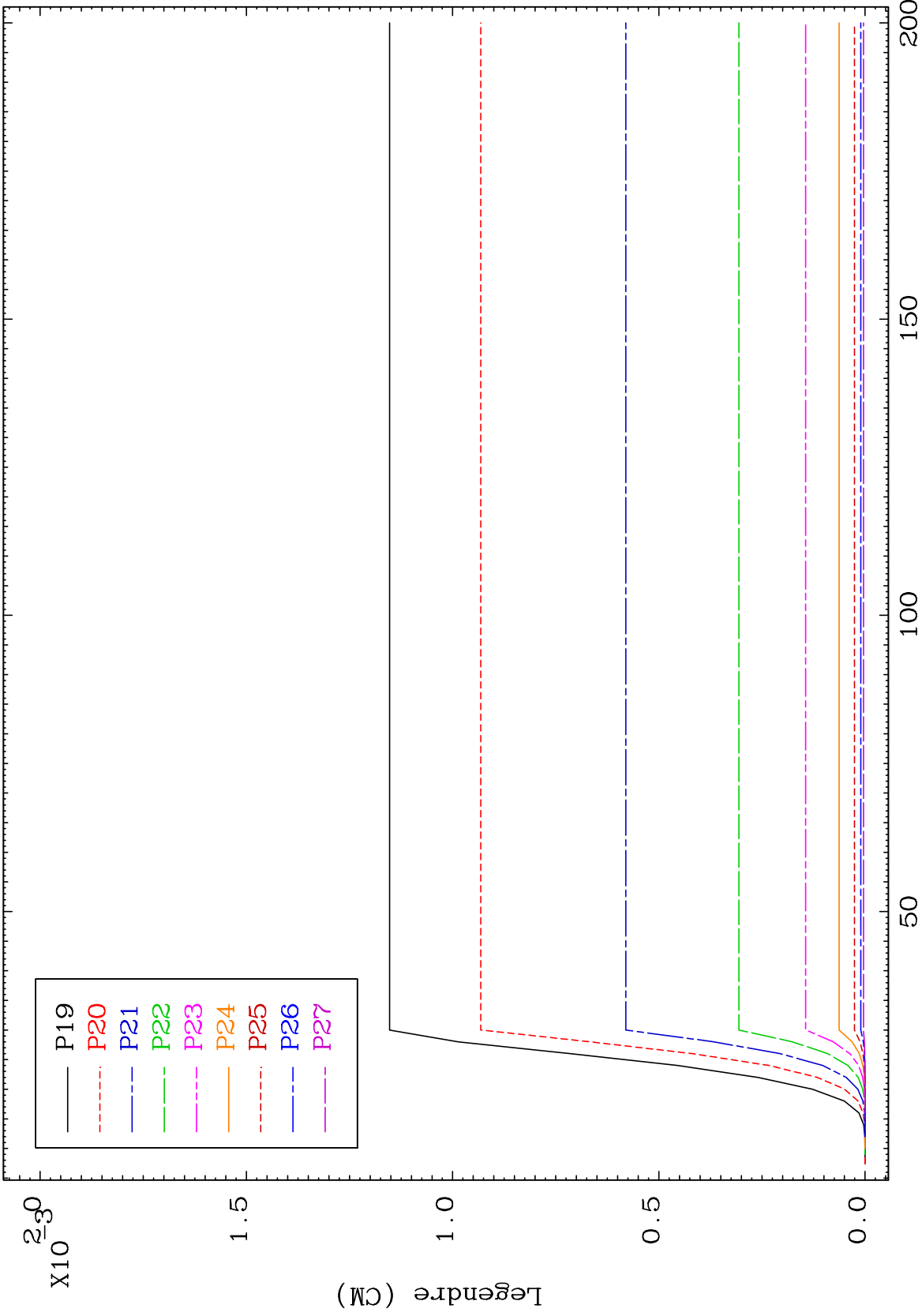
80

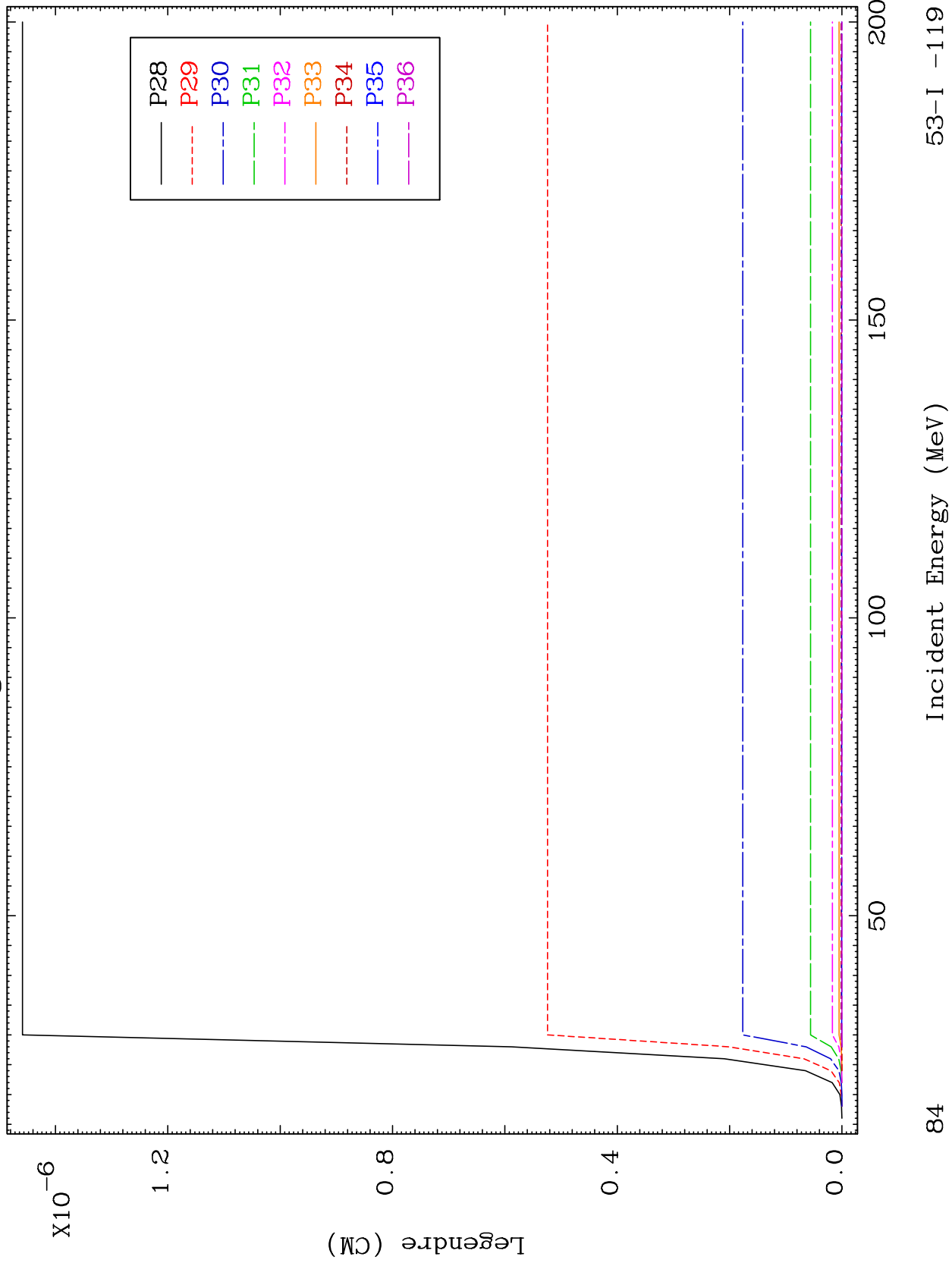
Incident Energy (MeV)

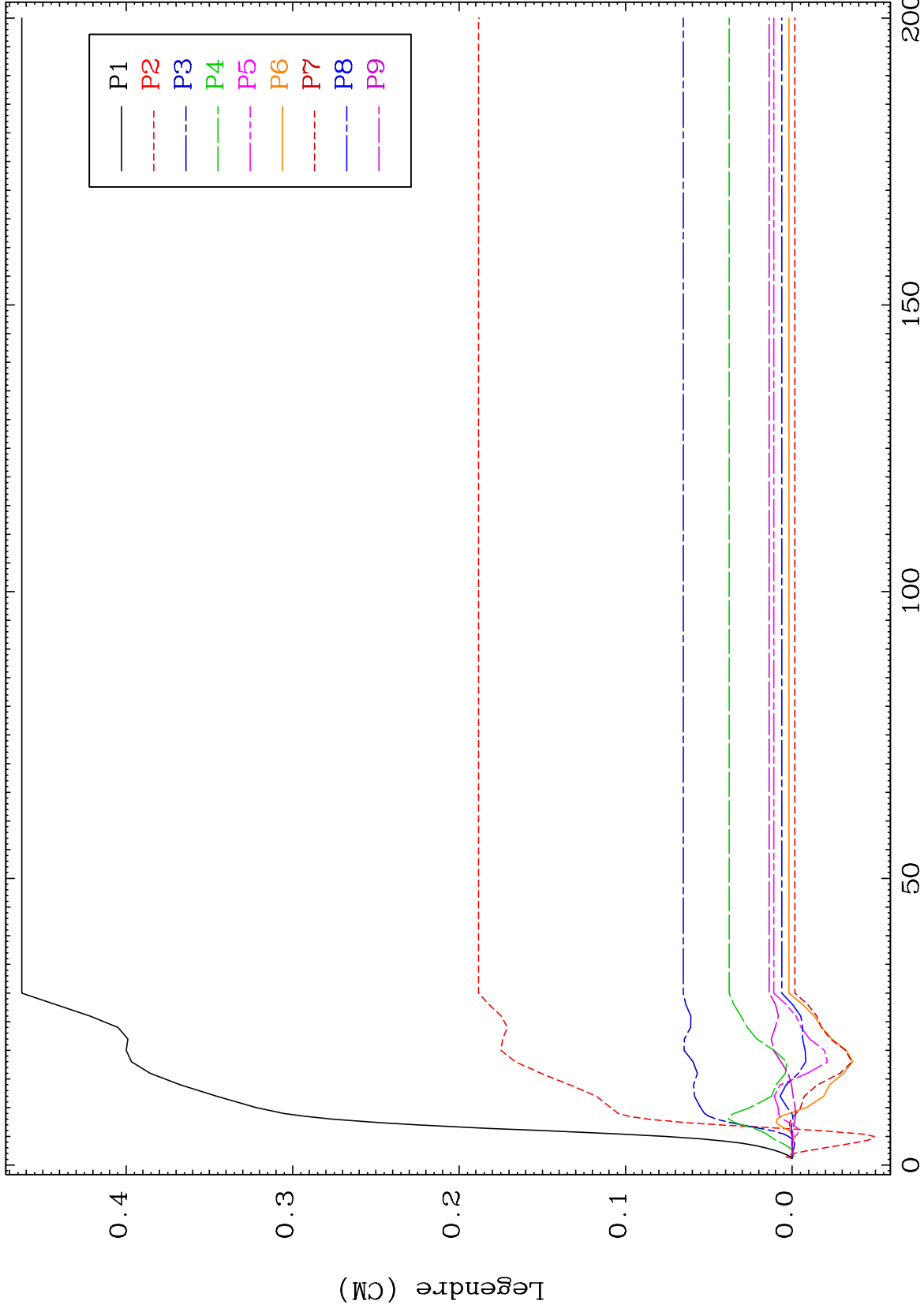
53-I -119

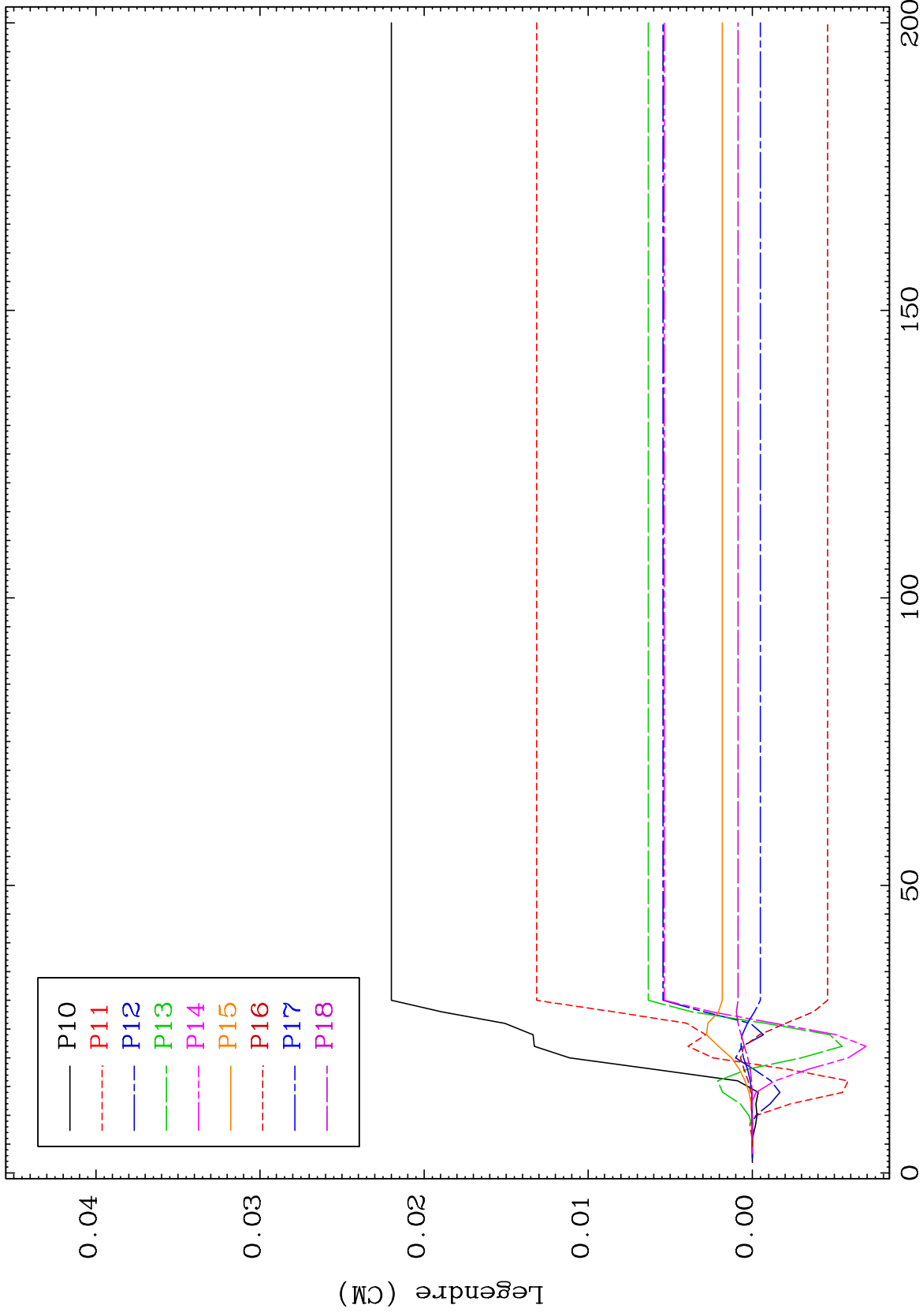


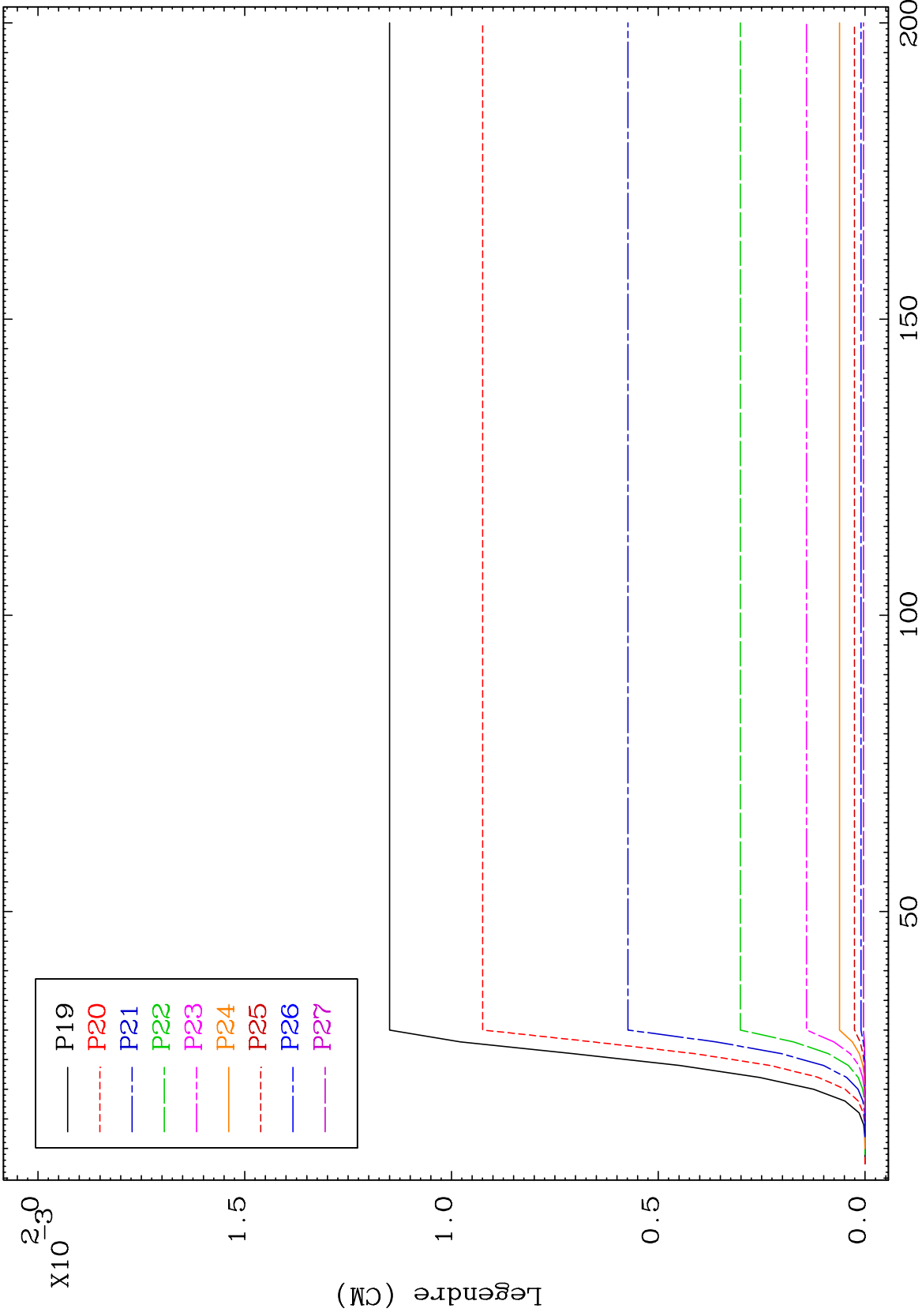


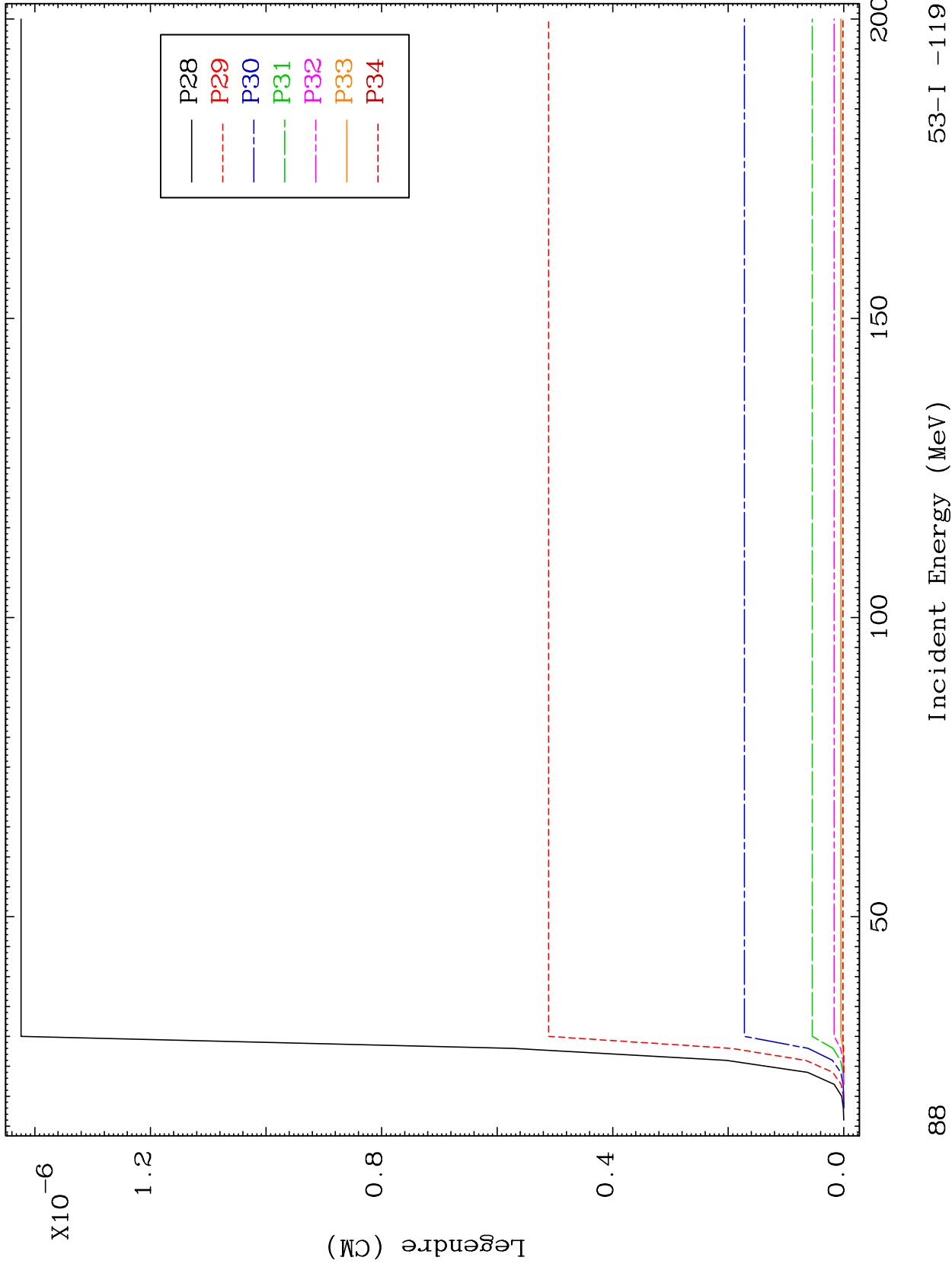


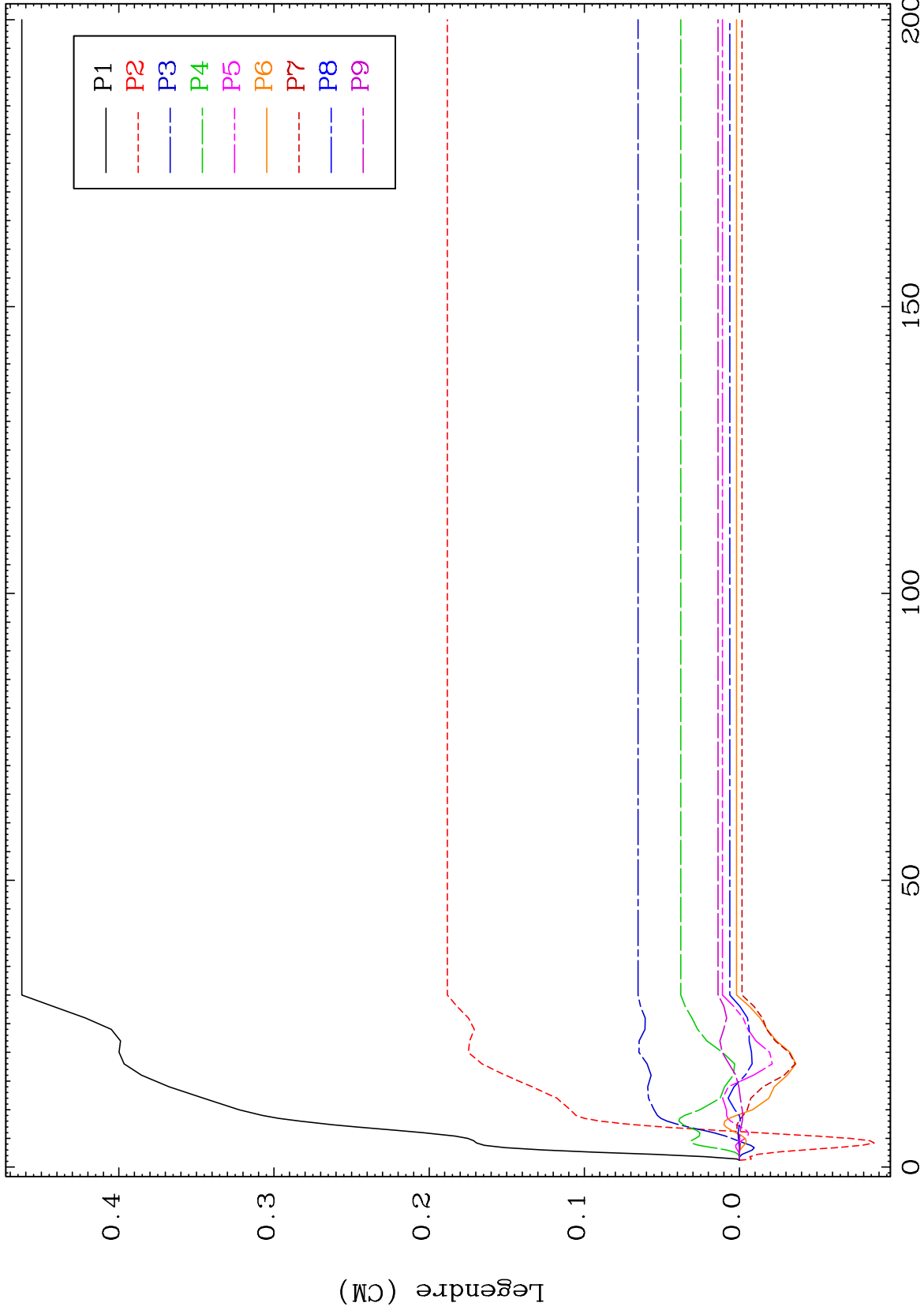








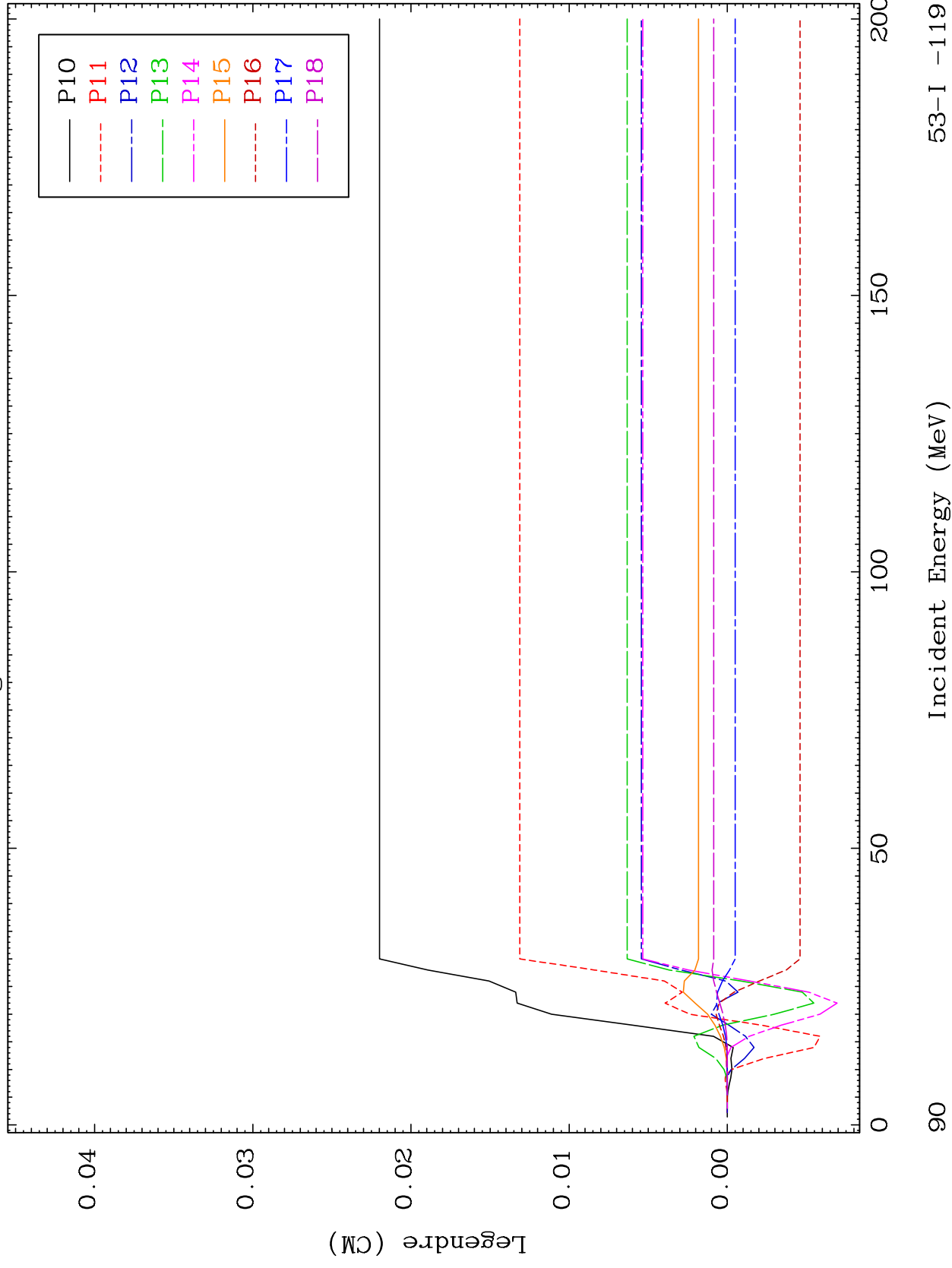




MAT 5301

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

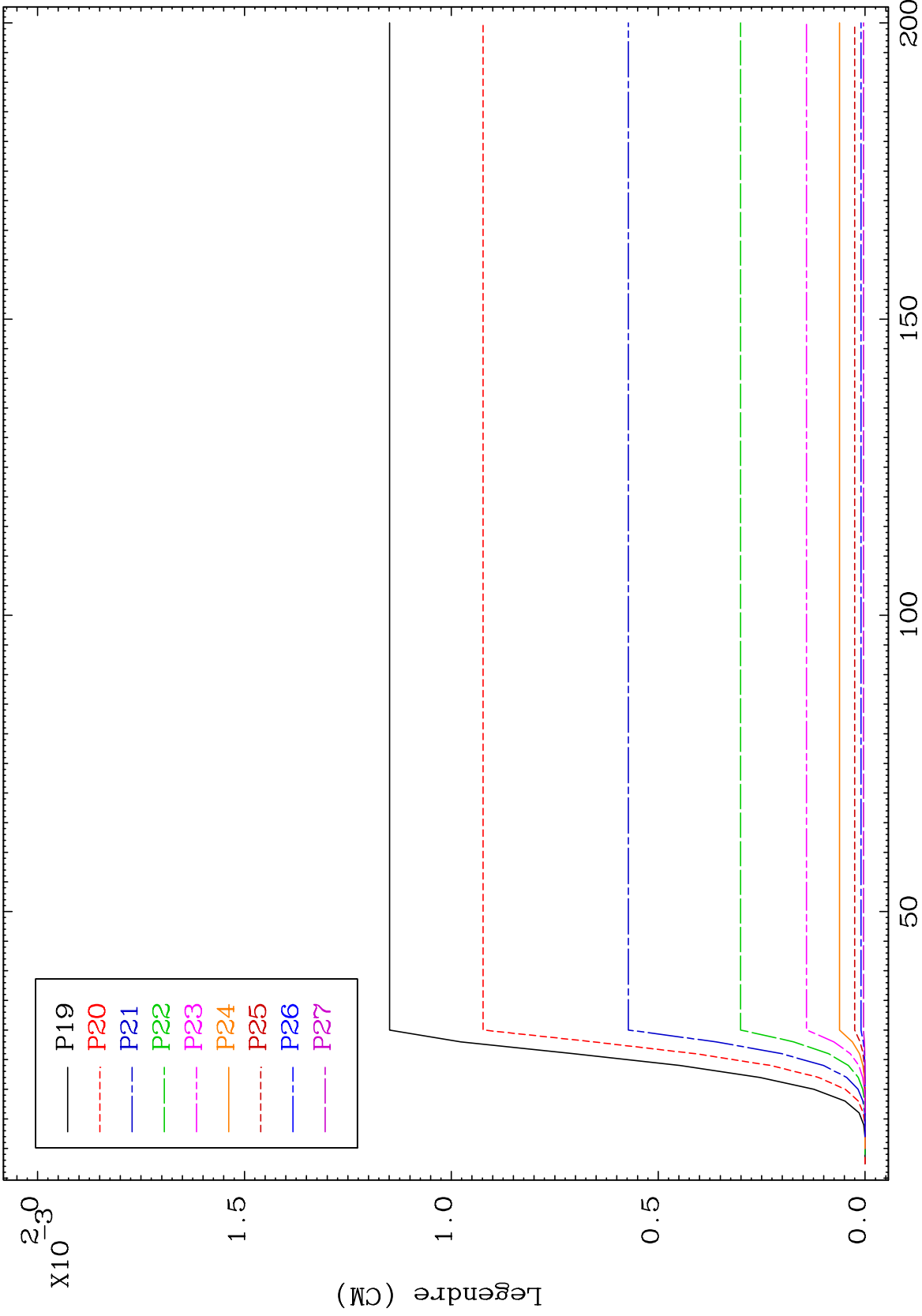
53-I -119

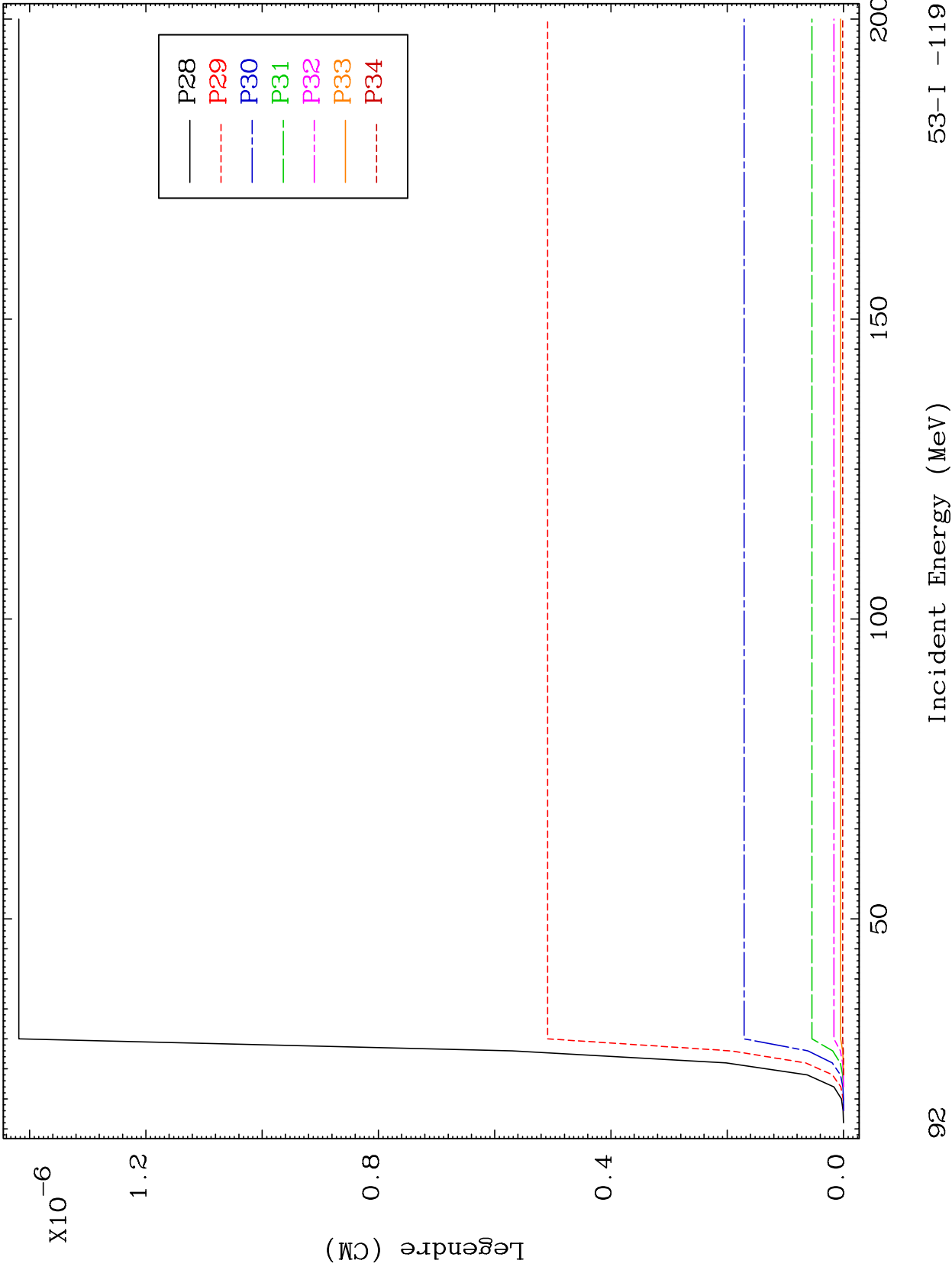


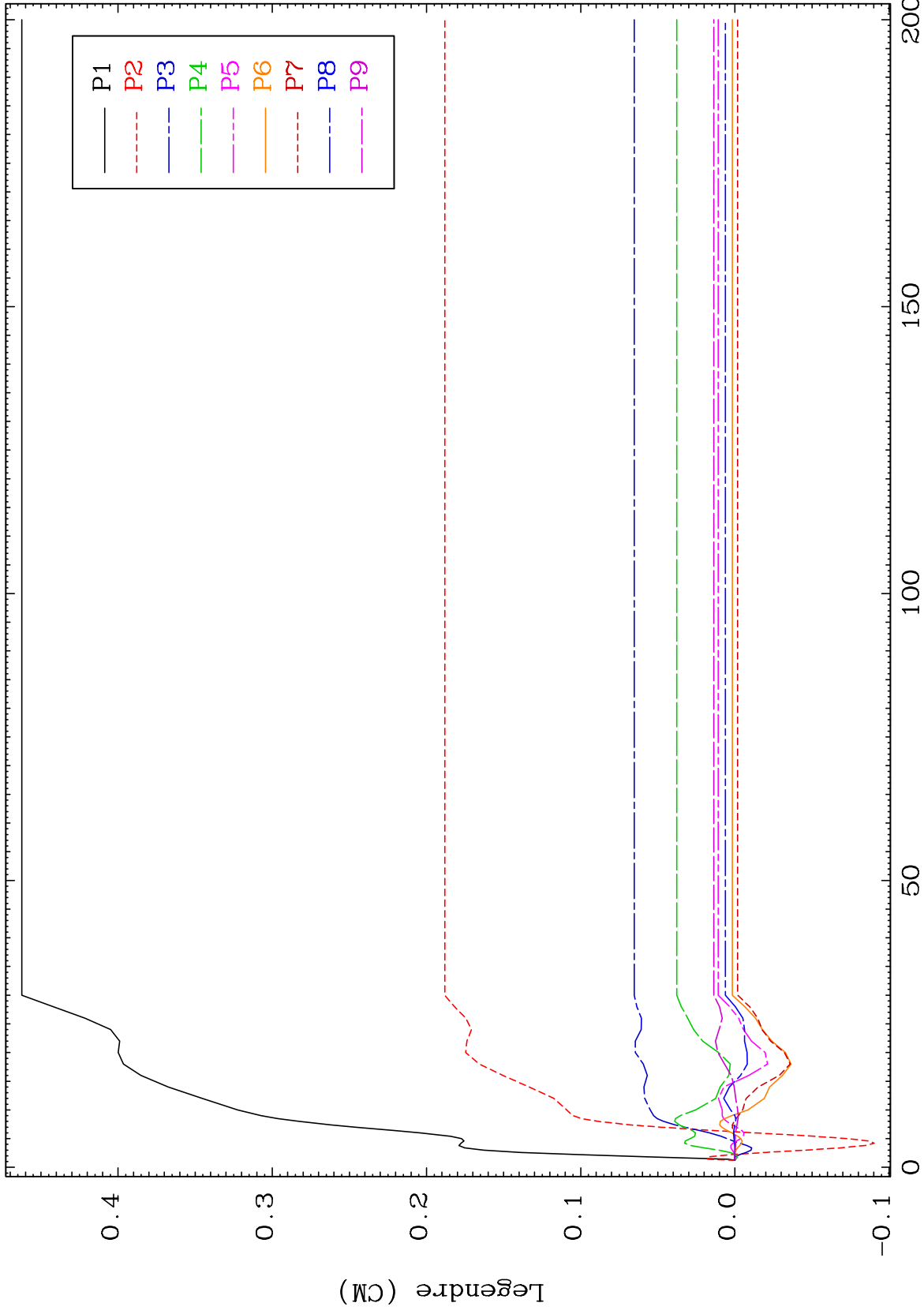
90

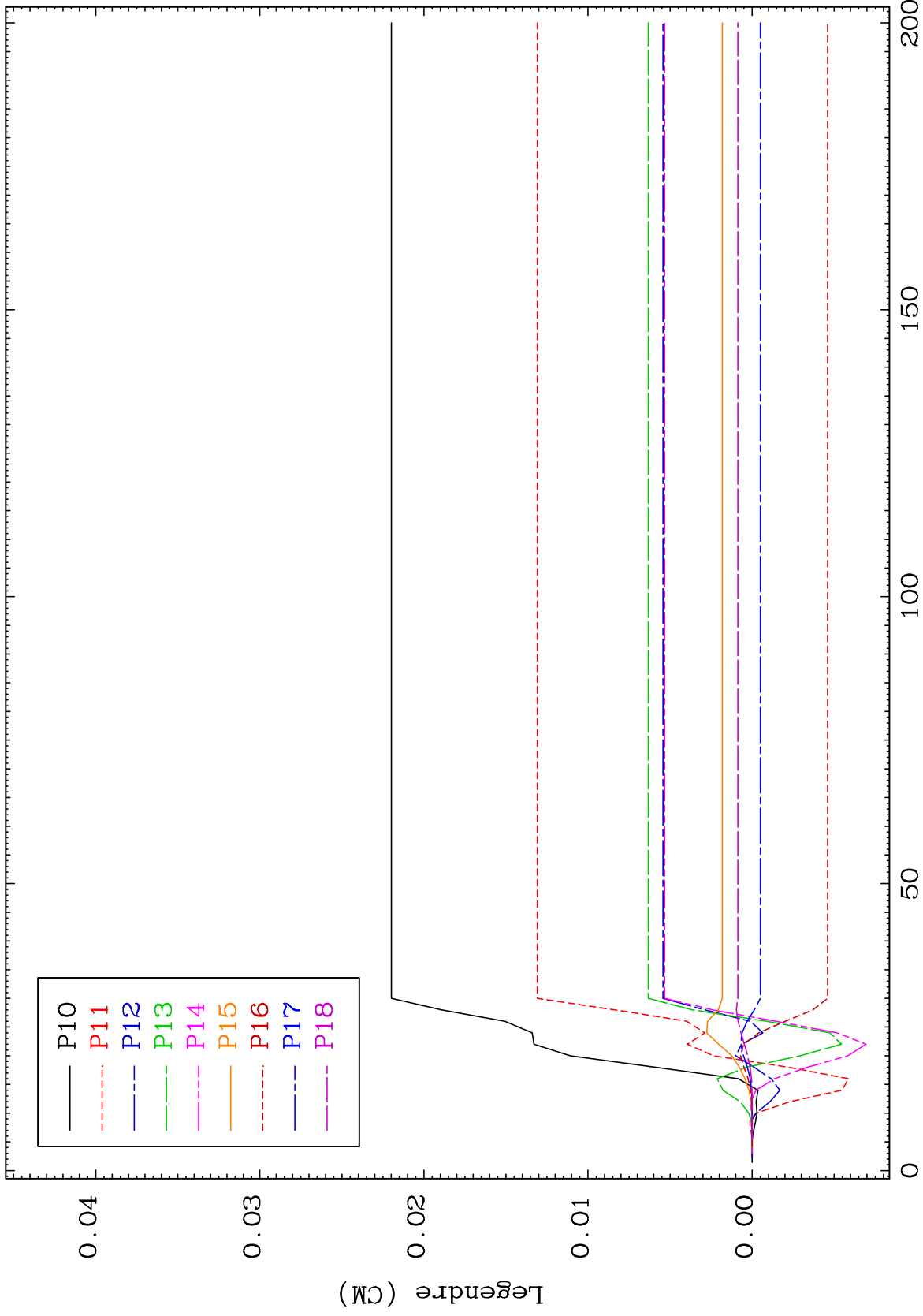
Incident Energy (MeV)

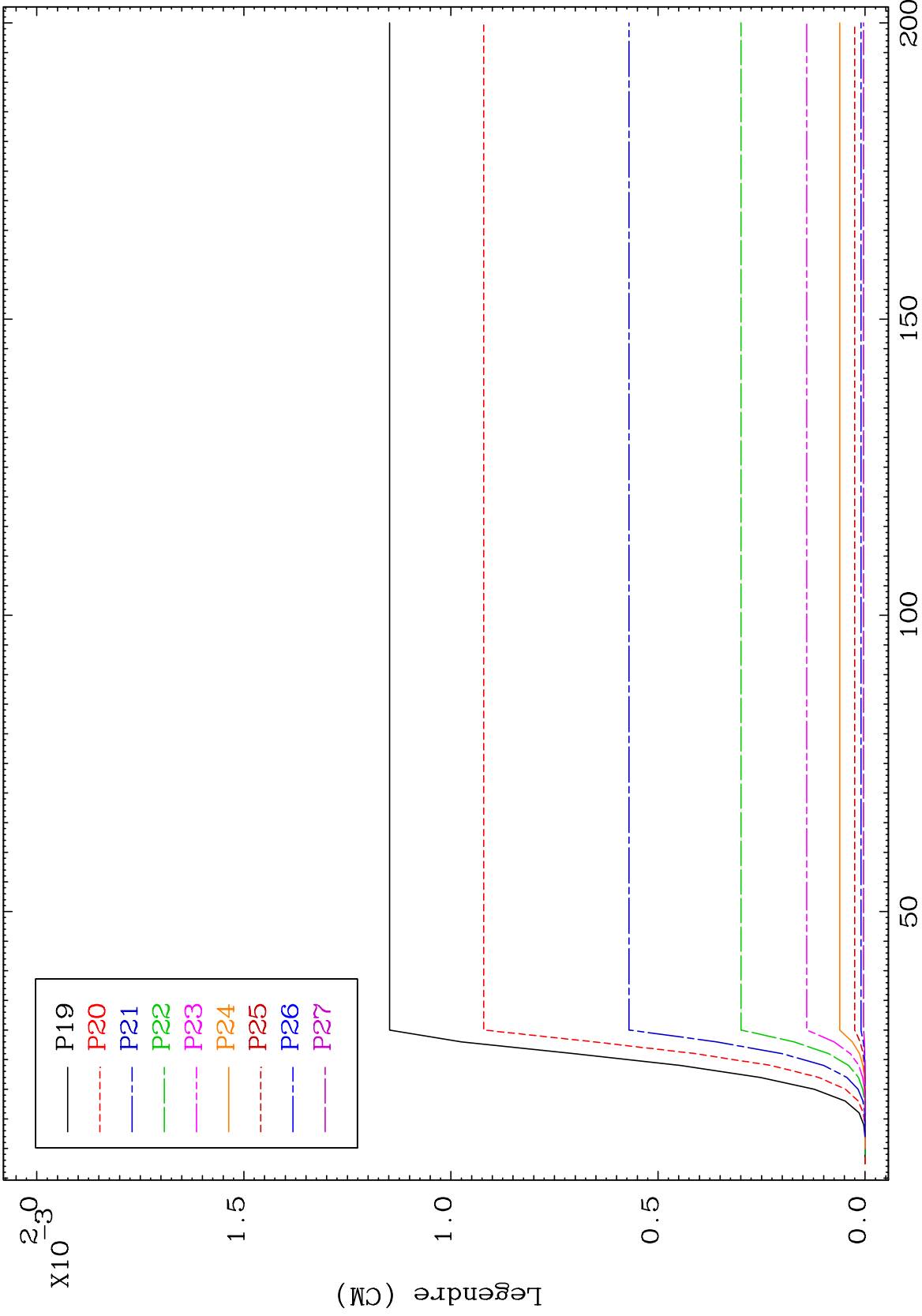
53-I -119

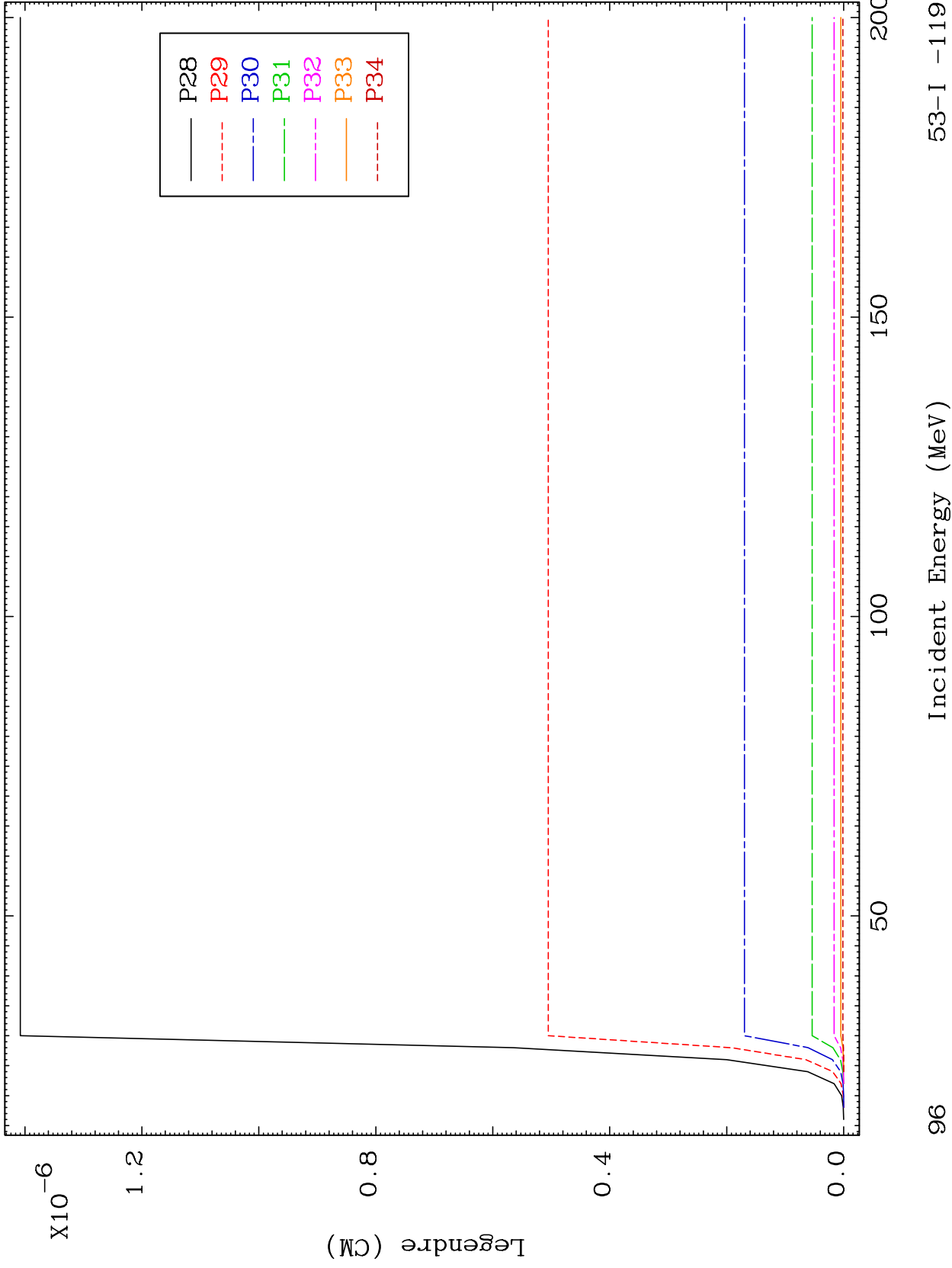


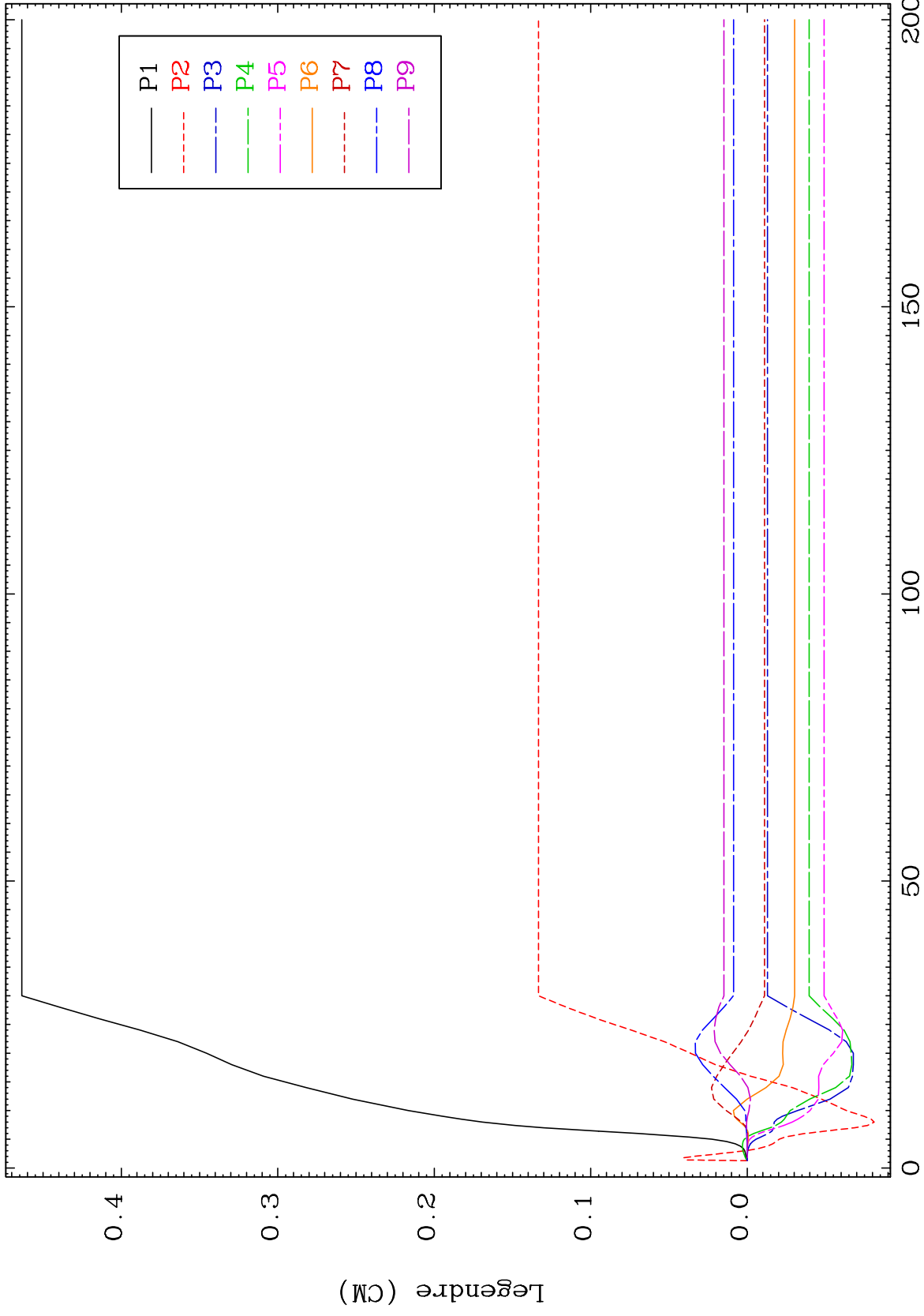


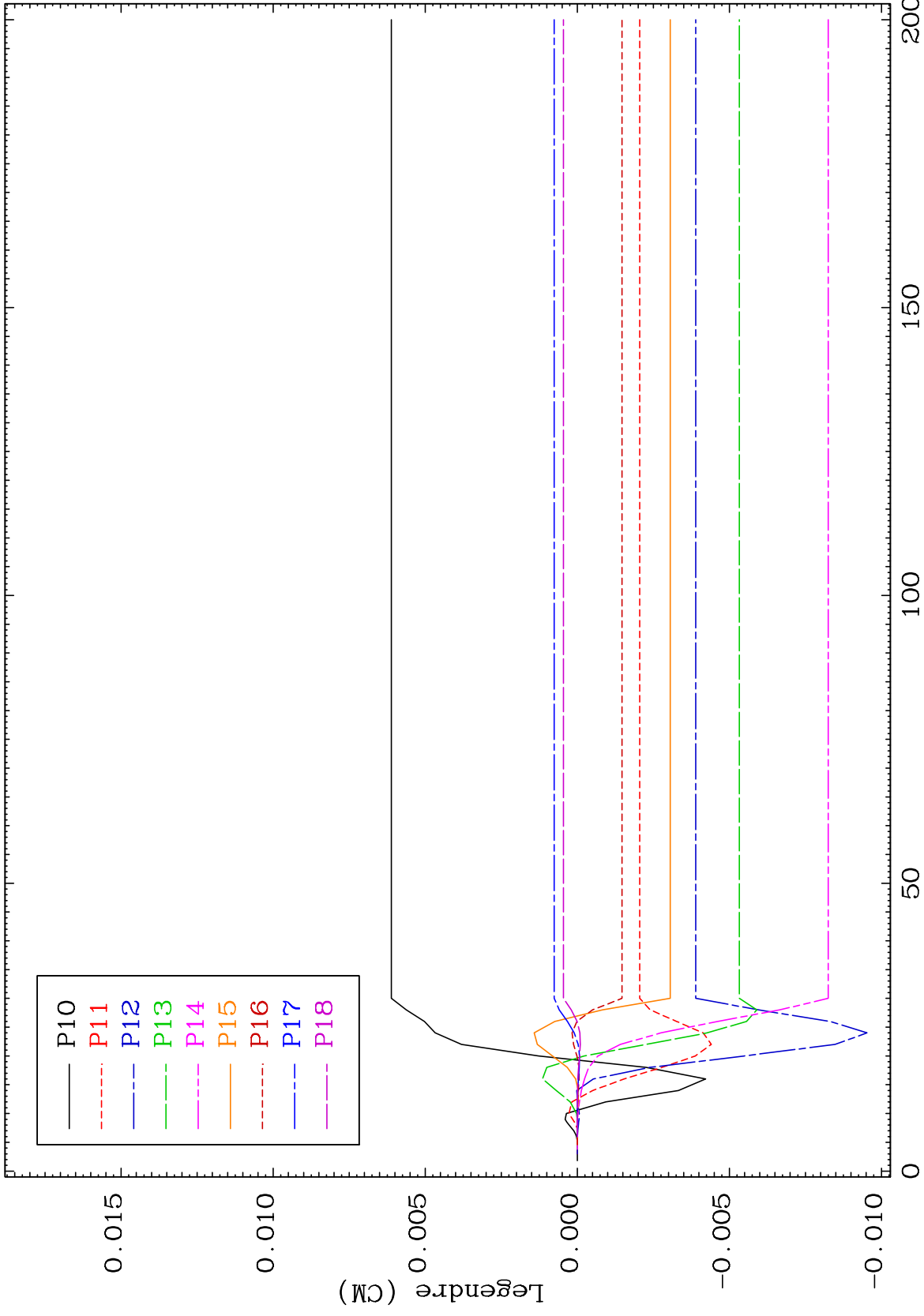


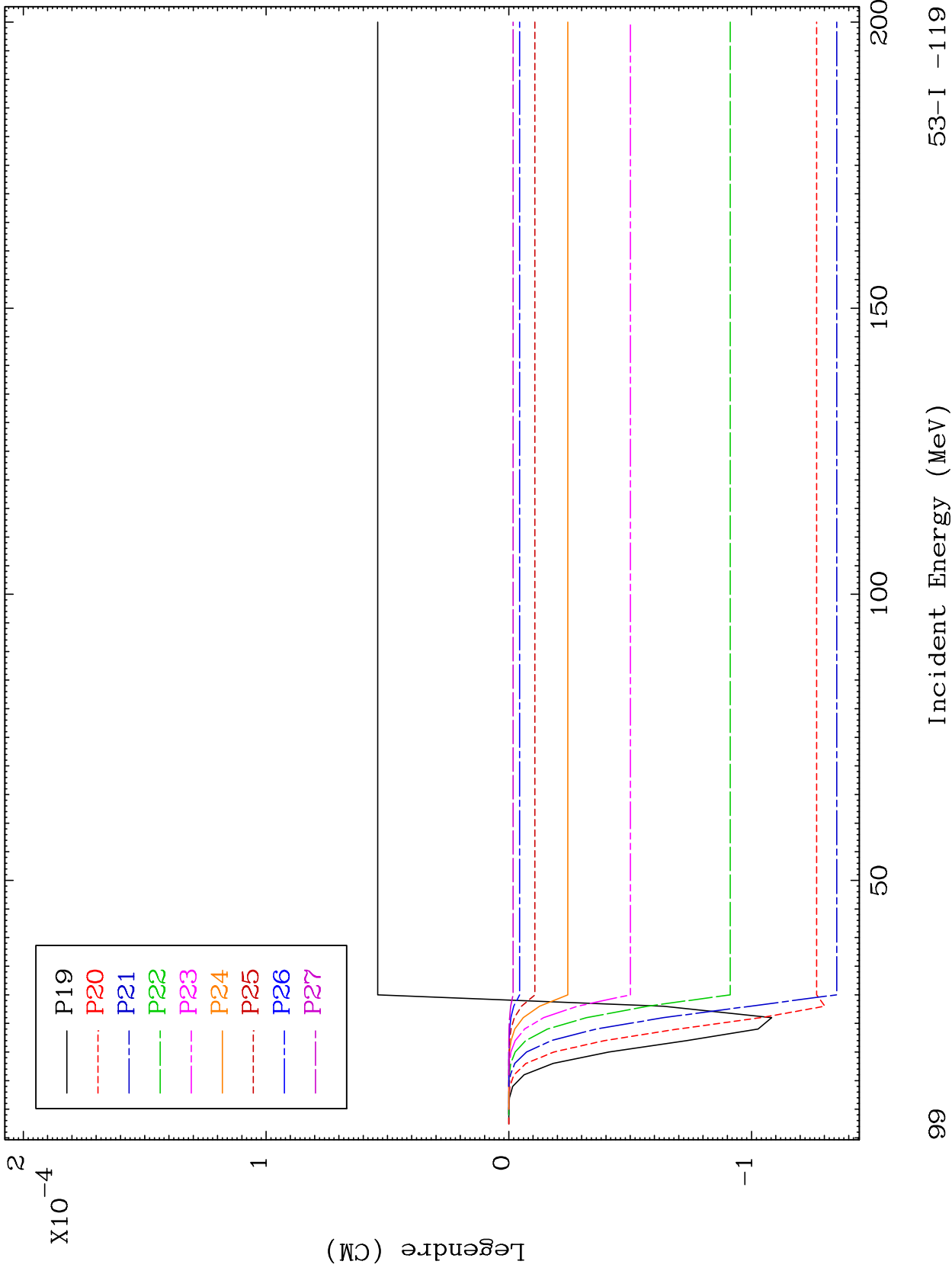


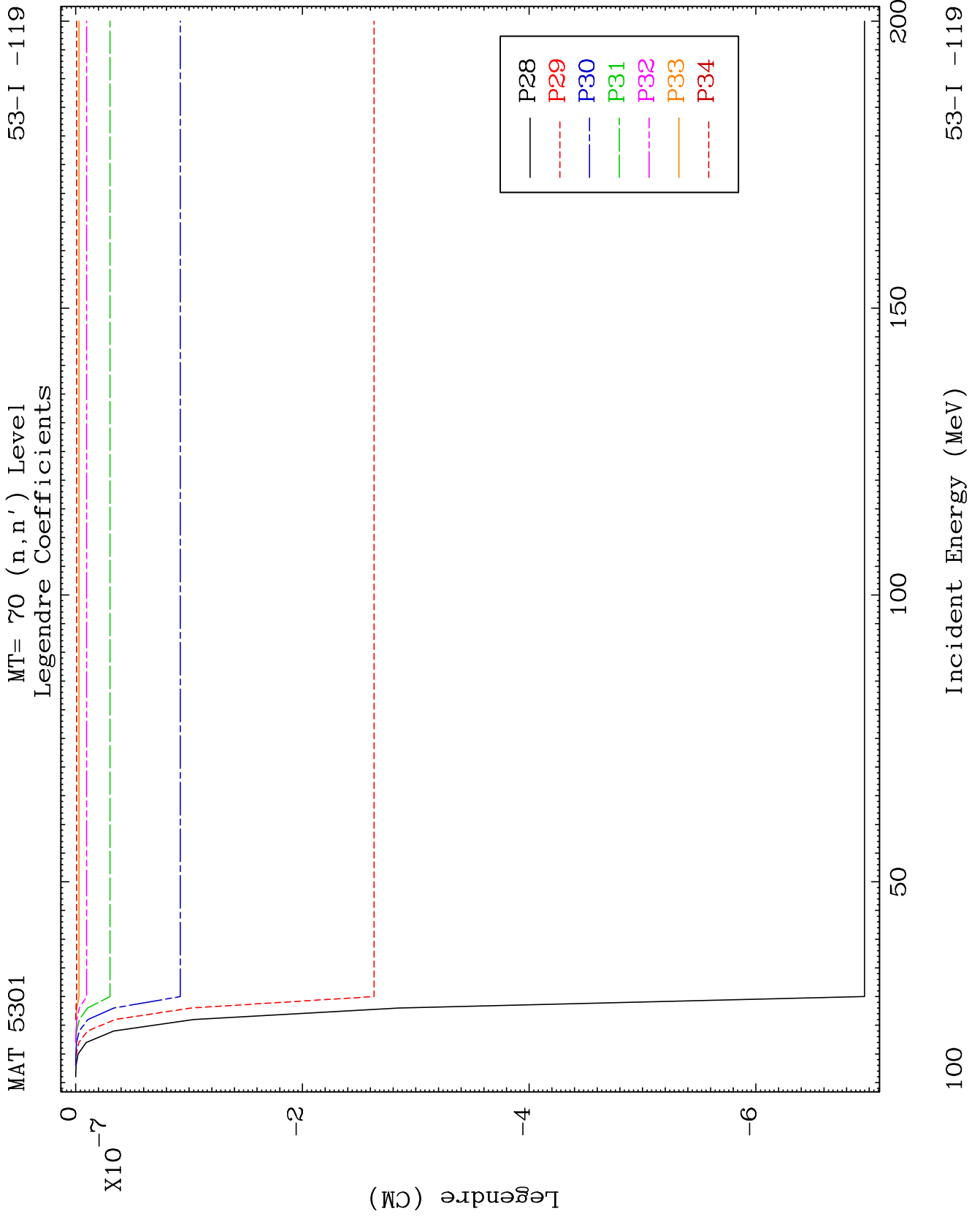








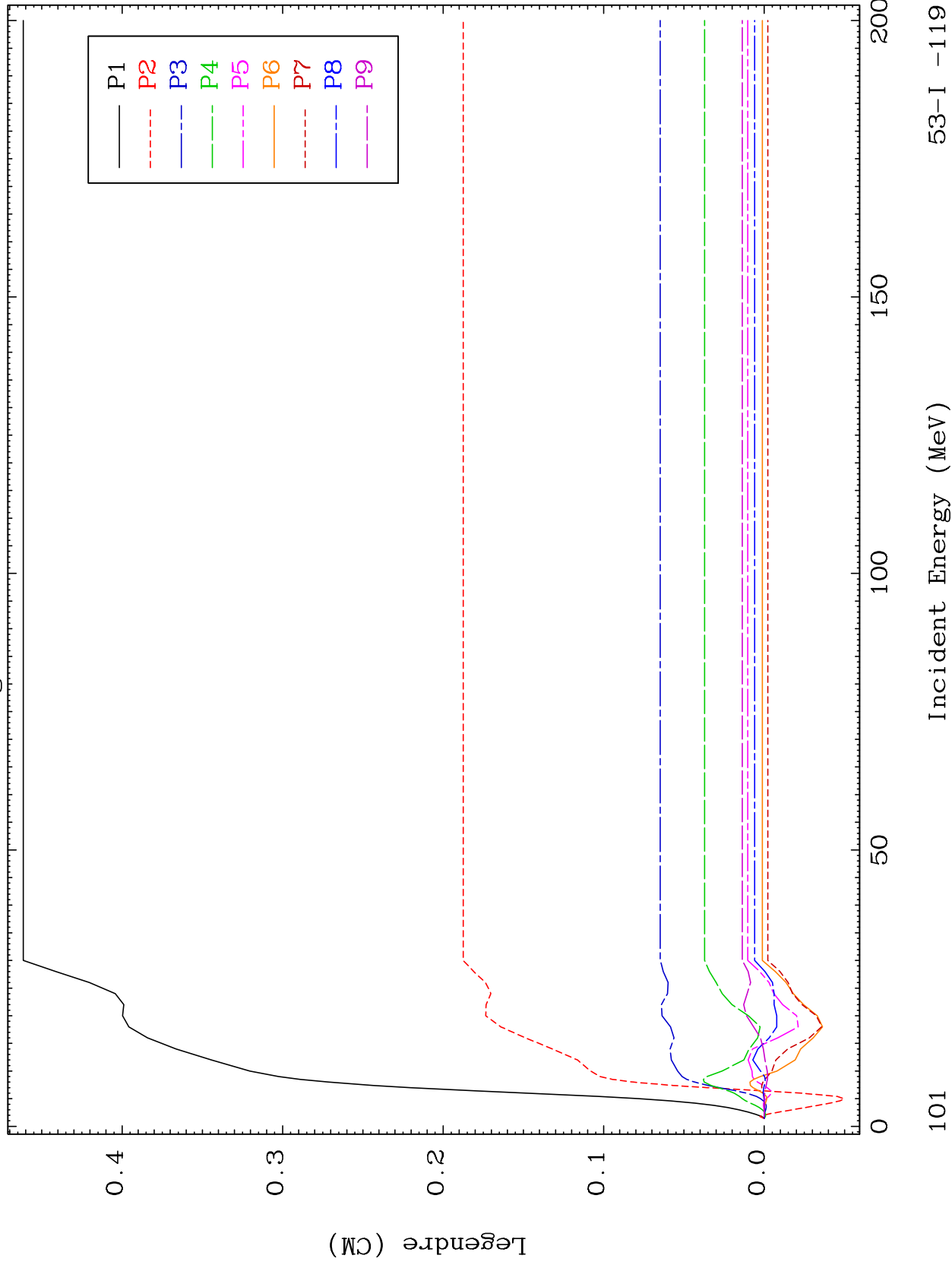




MAT 5301

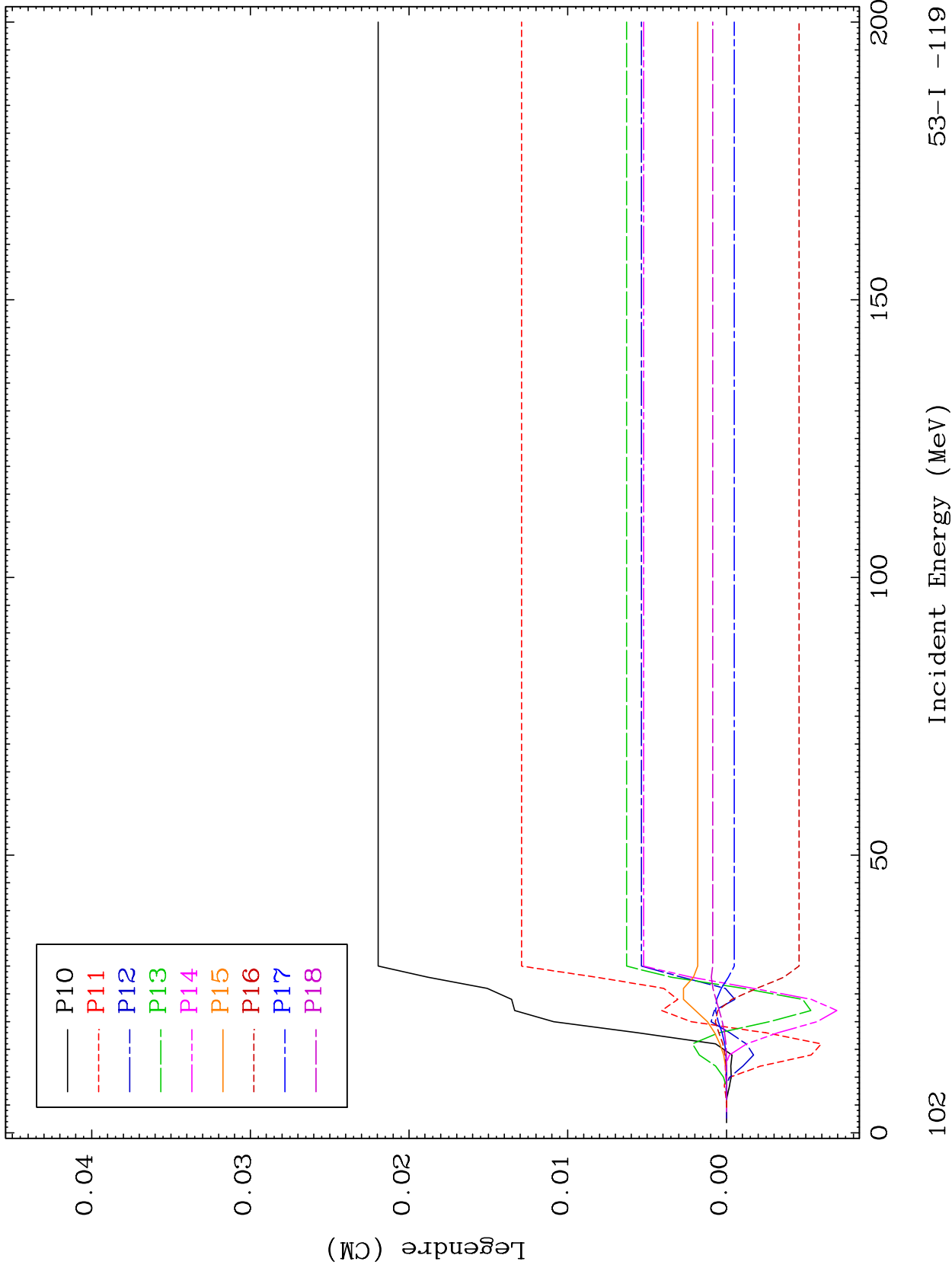
MT= 71 (n,n') Level
Legendre Coefficients

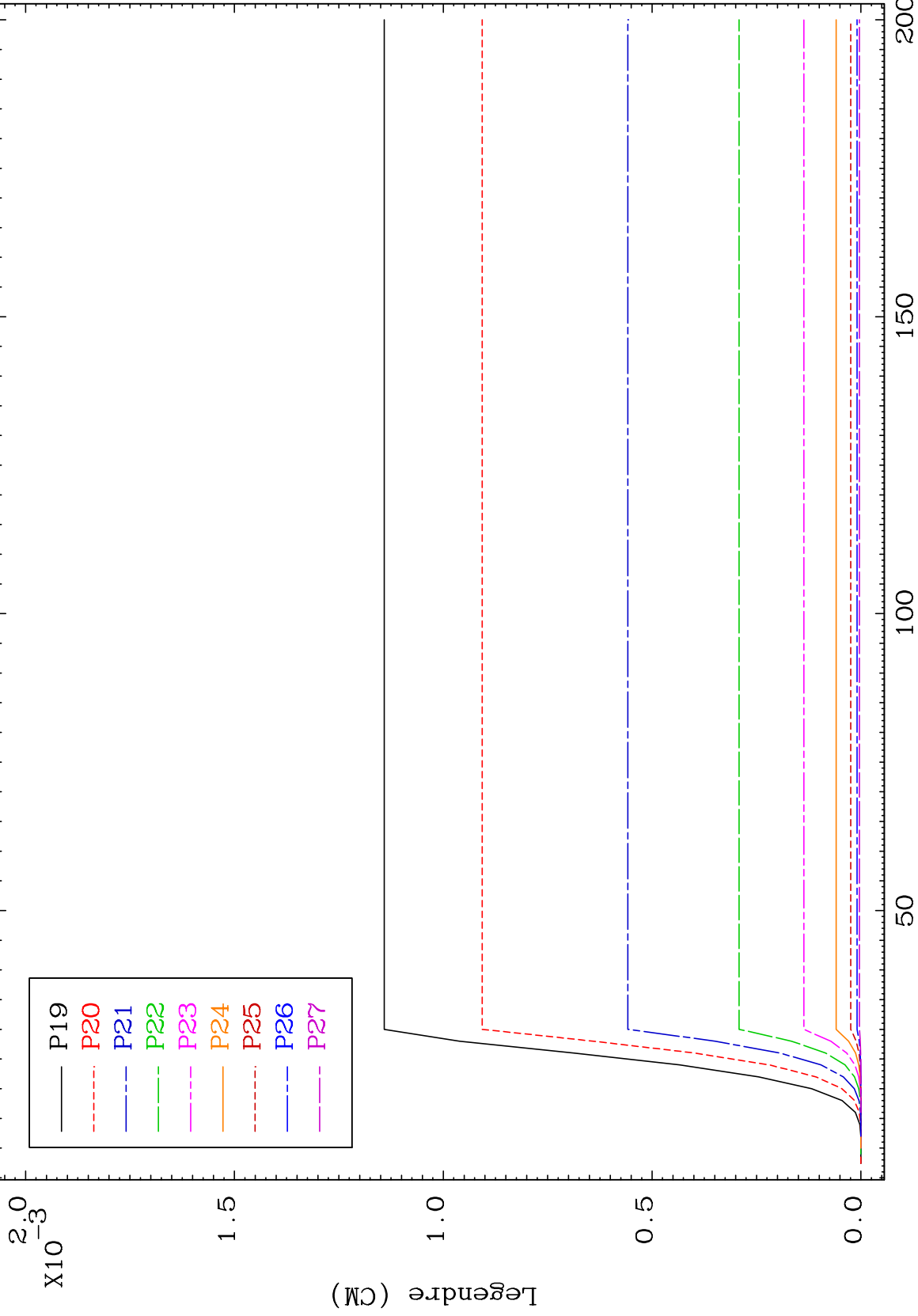
53-I -119

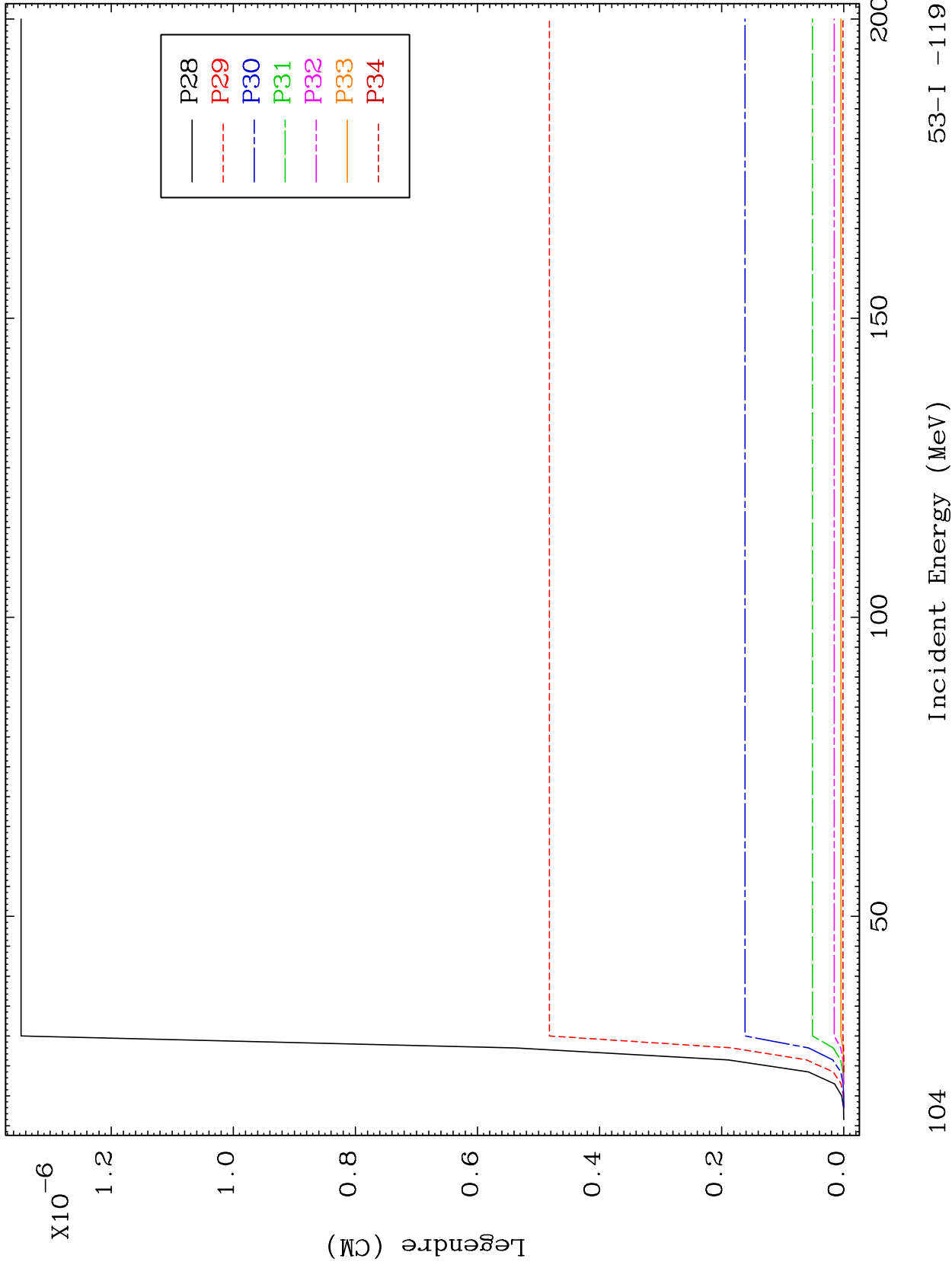


101

53-I -119



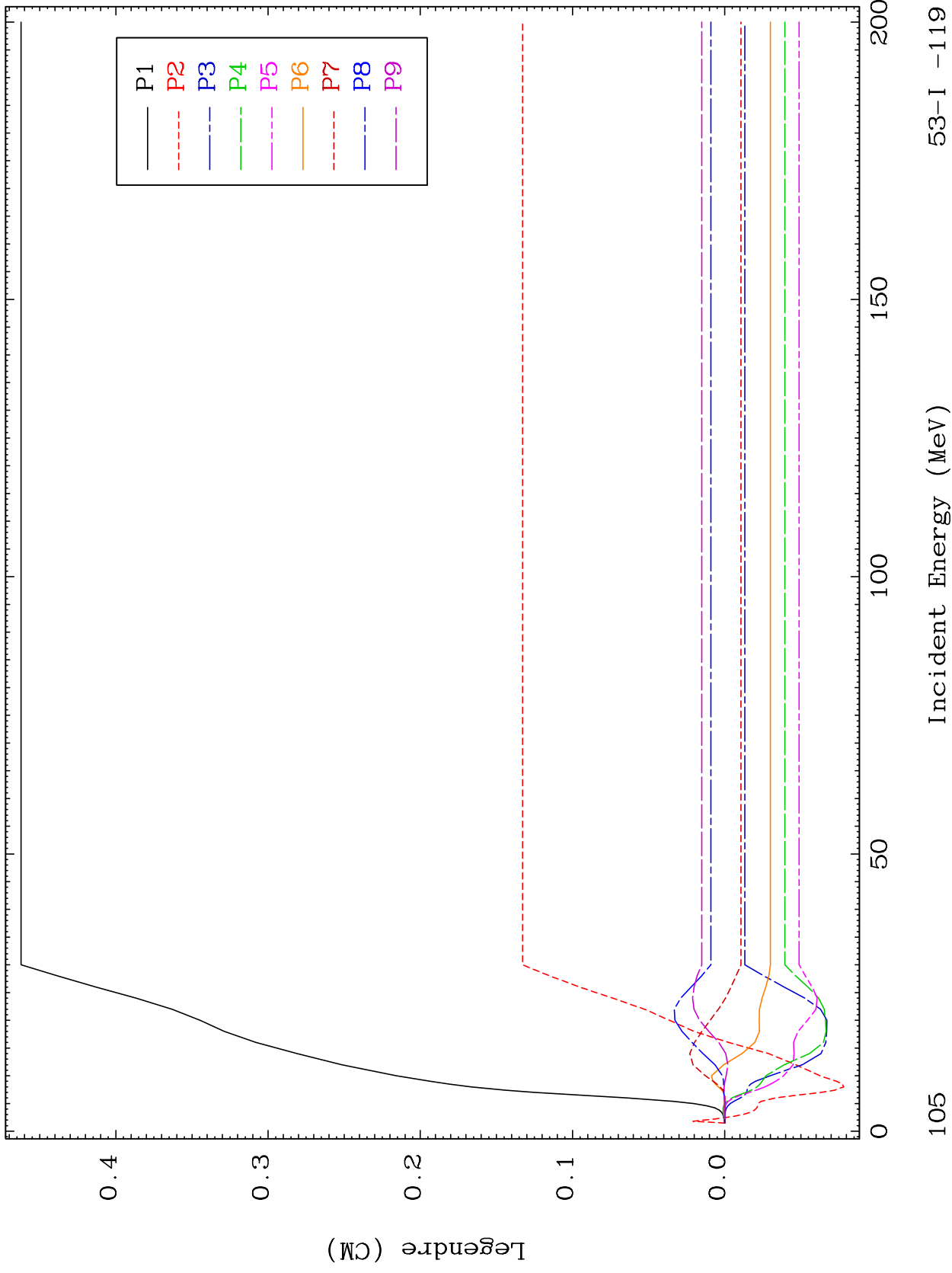




MAT 5301

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

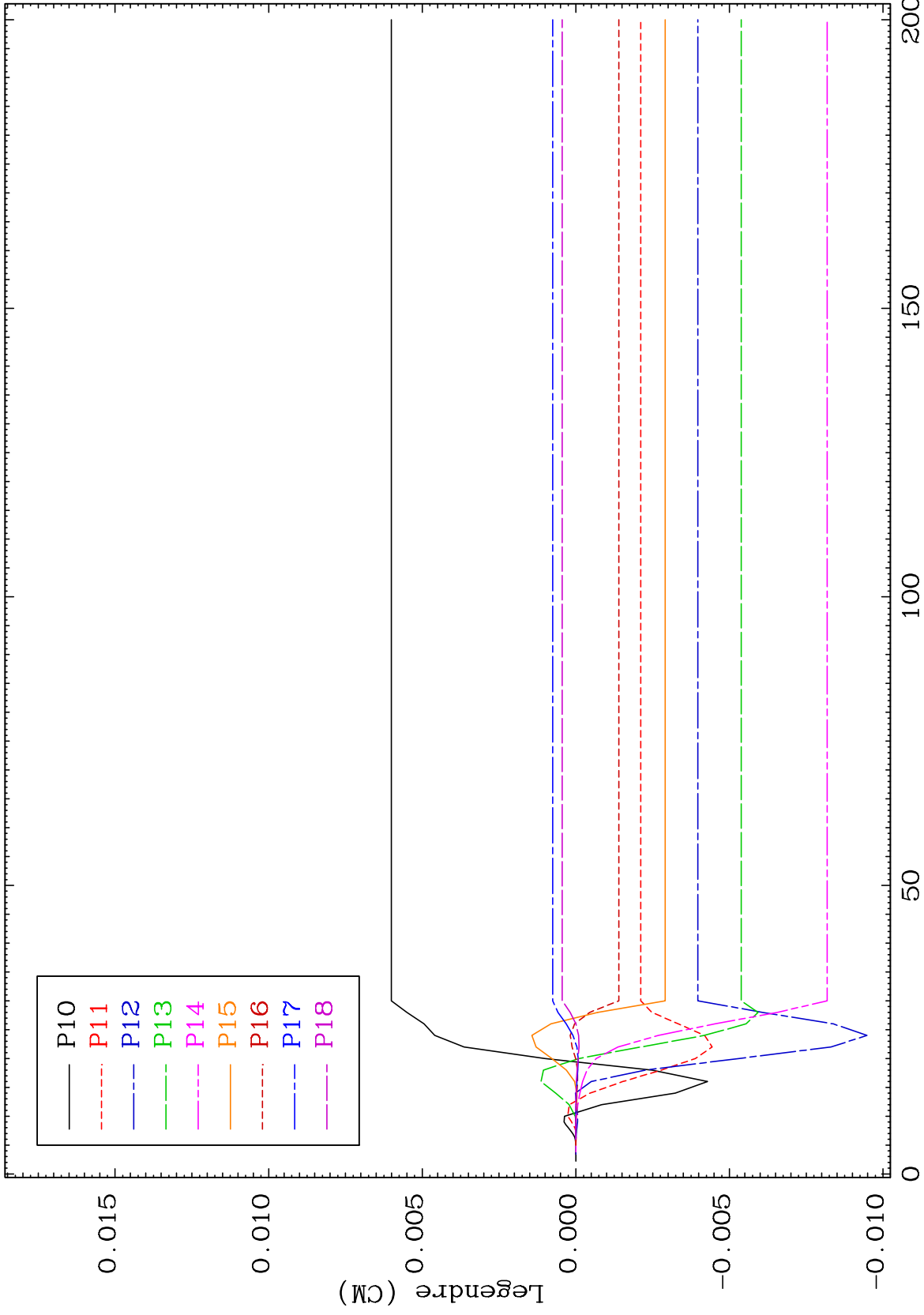
53-I -119

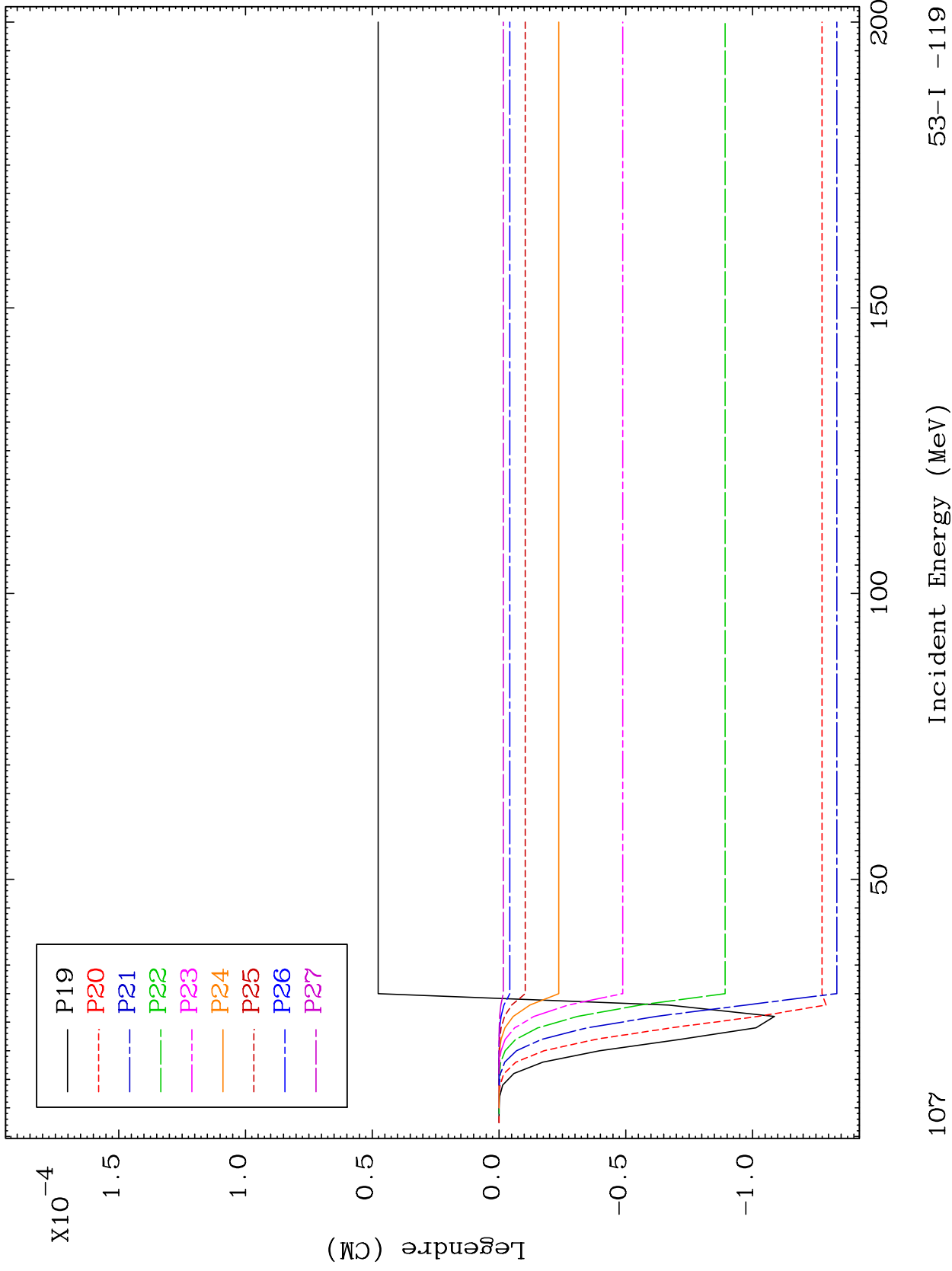


53-I -119

Incident Energy (MeV)

105



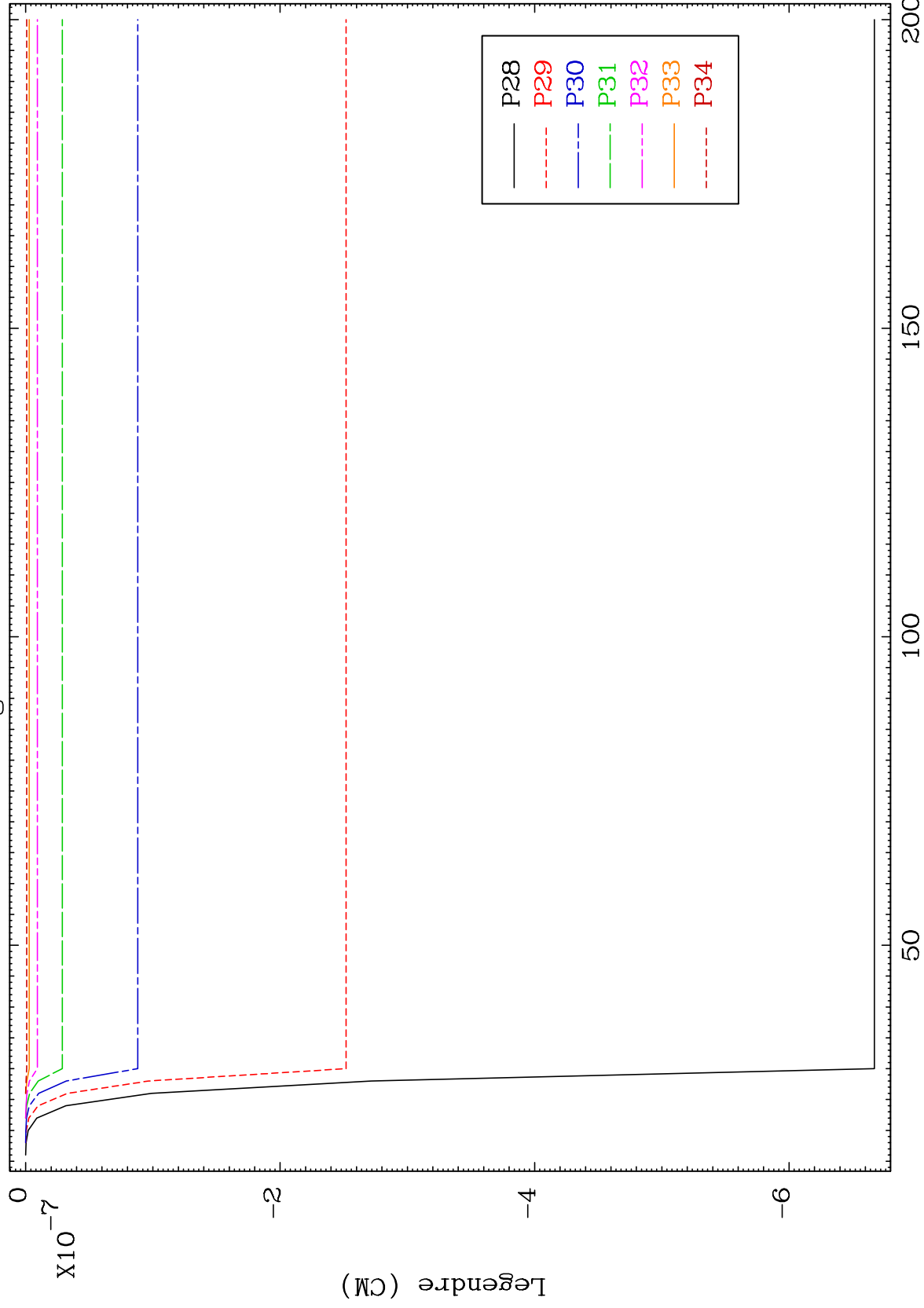


MAT 5301

MT= 72 (n,n') Level

53-I -119

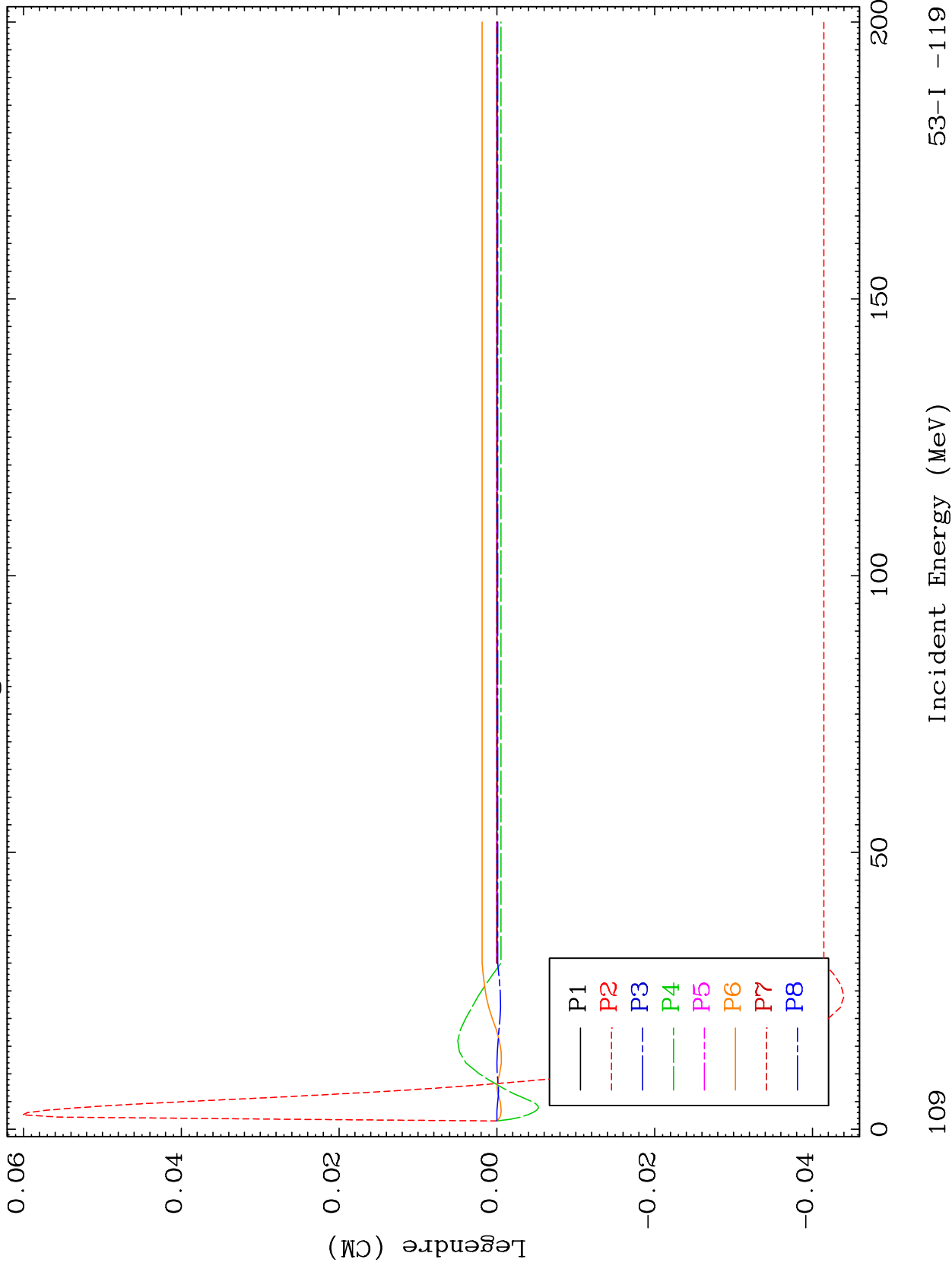
Legendre Coefficients



108

Incident Energy (MeV)

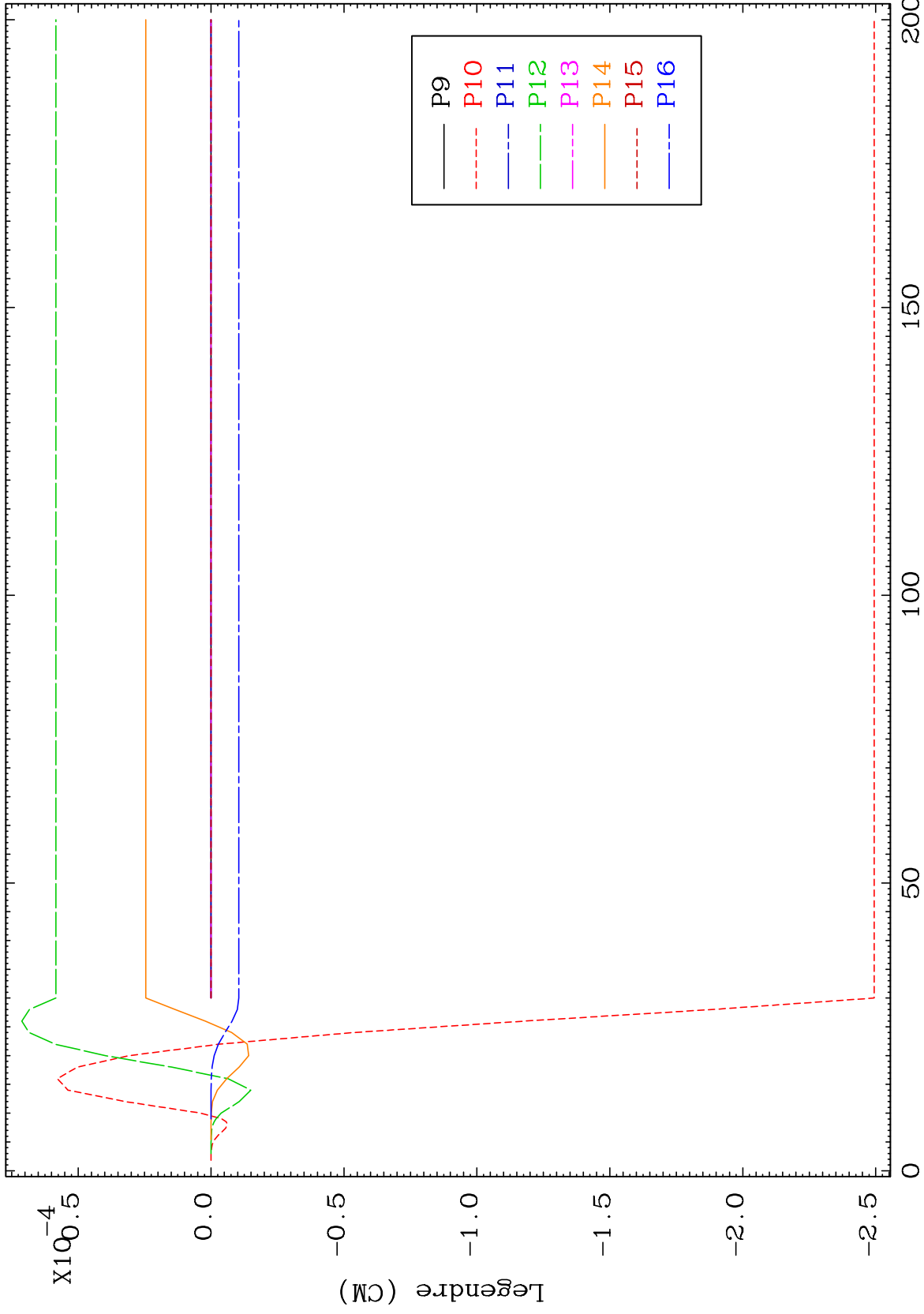
53-I -119



MAT 5301

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

53-I -119



110

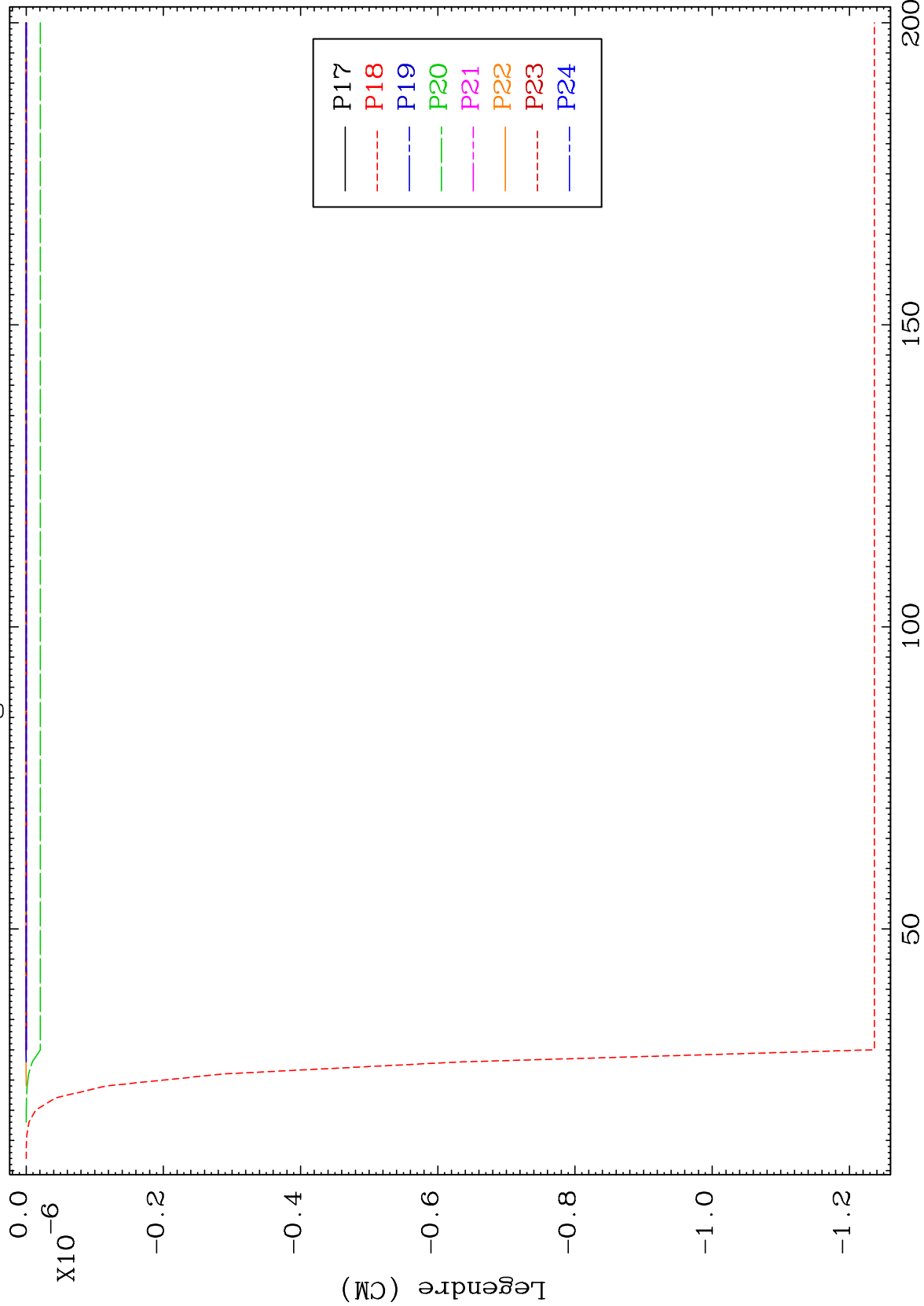
Incident Energy (MeV)

53-I -119

MAT 5301

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

53-I -119



53-I -119

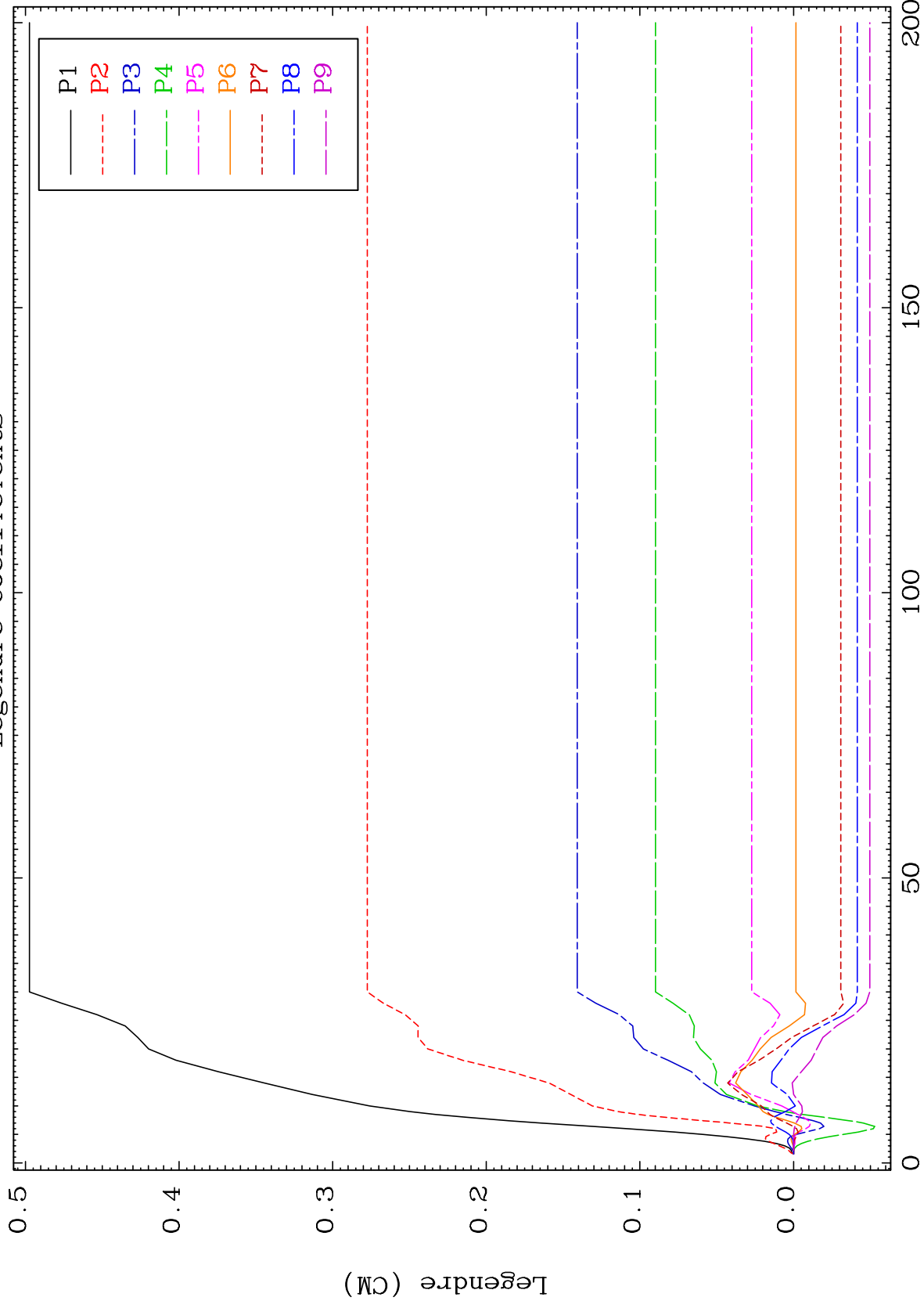
Incident Energy (MeV)

111

MAT 5301

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

53-I -119



53-I -119

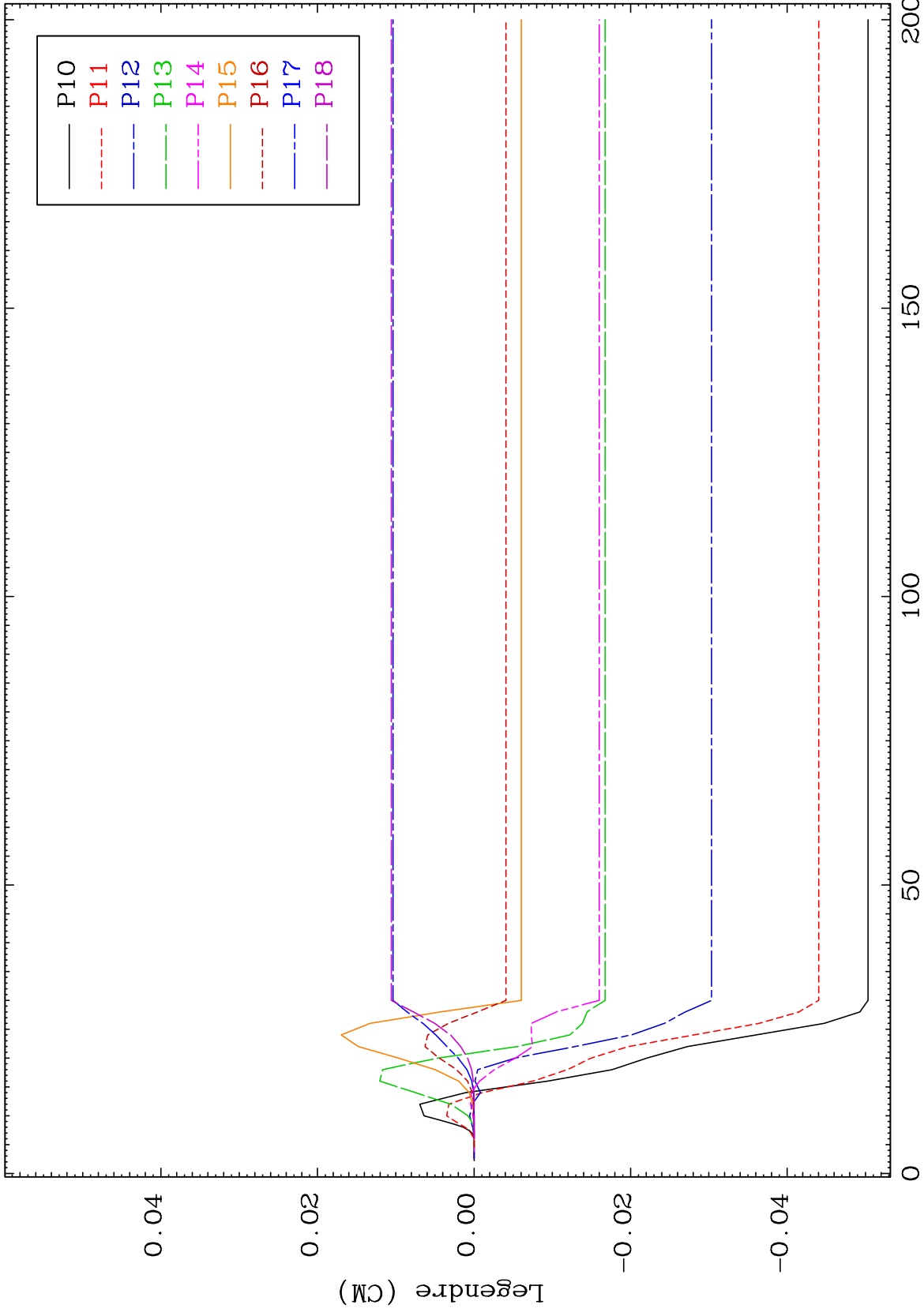
Incident Energy (MeV)

112

MAT 5301

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

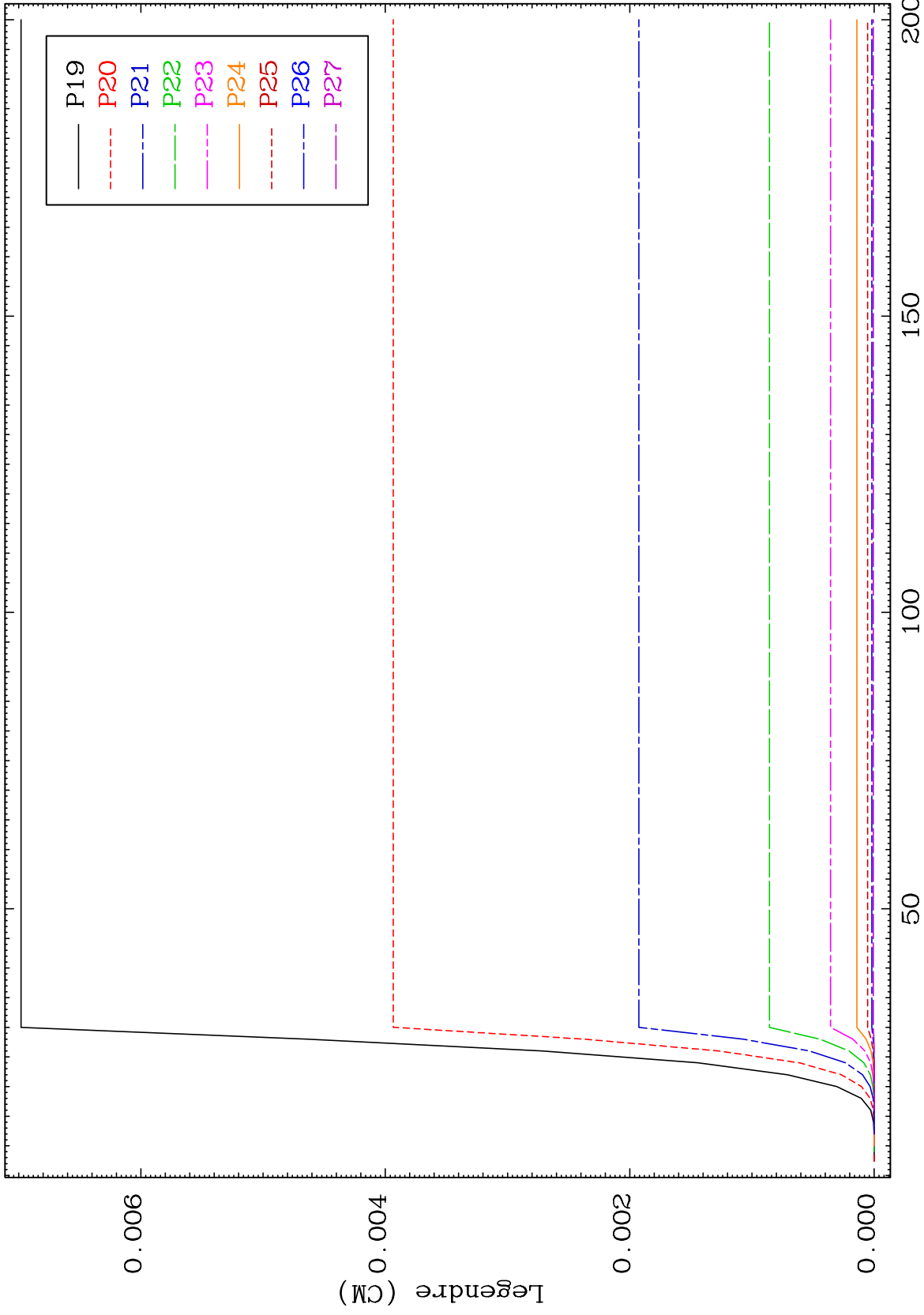
53-I -119

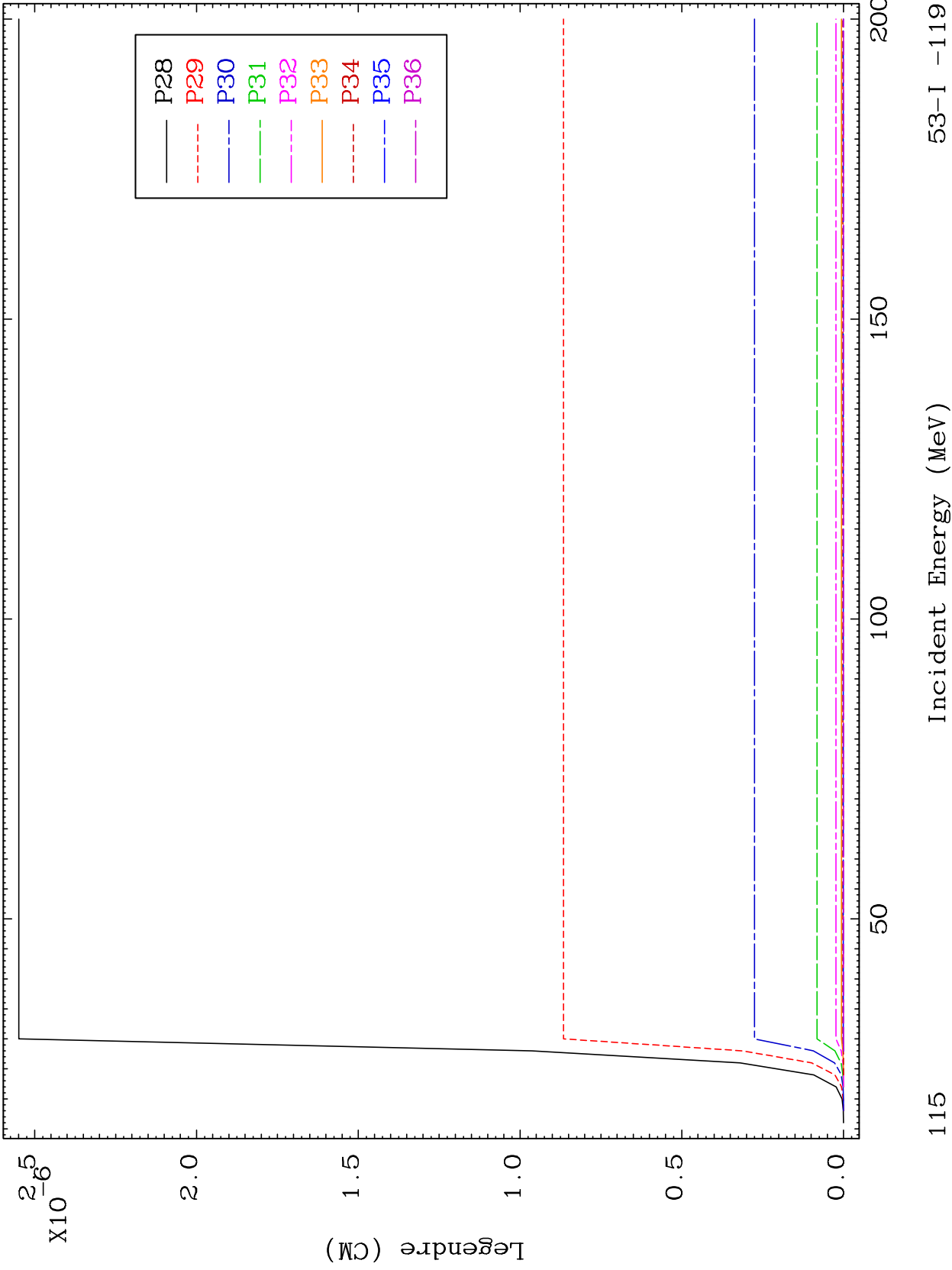


113

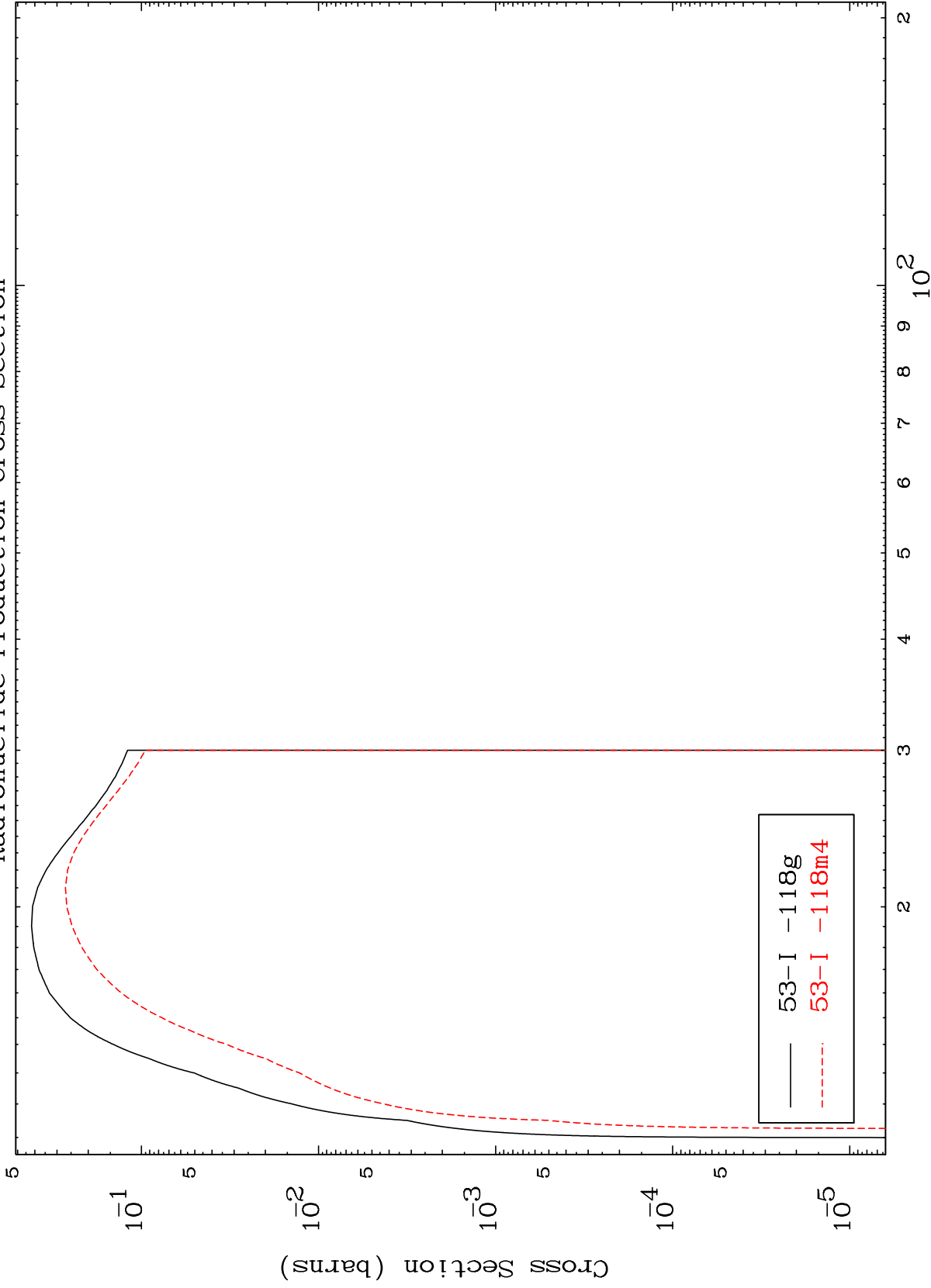
Incident Energy (MeV)

53-I -119





Radionuclide Production Cross Section
(n,2n)

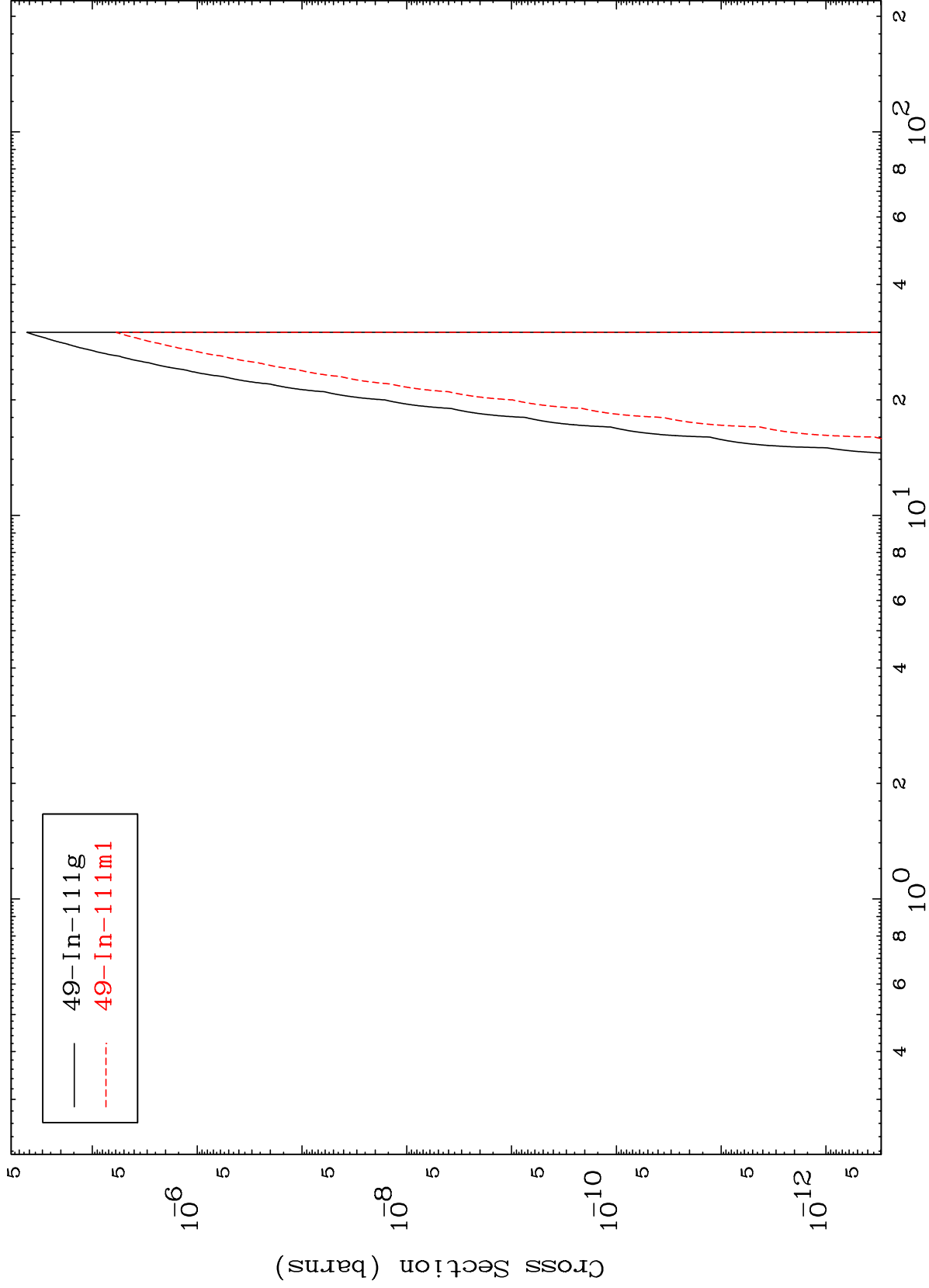


MAT 5301

(n,n') 2α

53-I -119

Radionuclide Production Cross Section



117

Incident Energy (MeV)

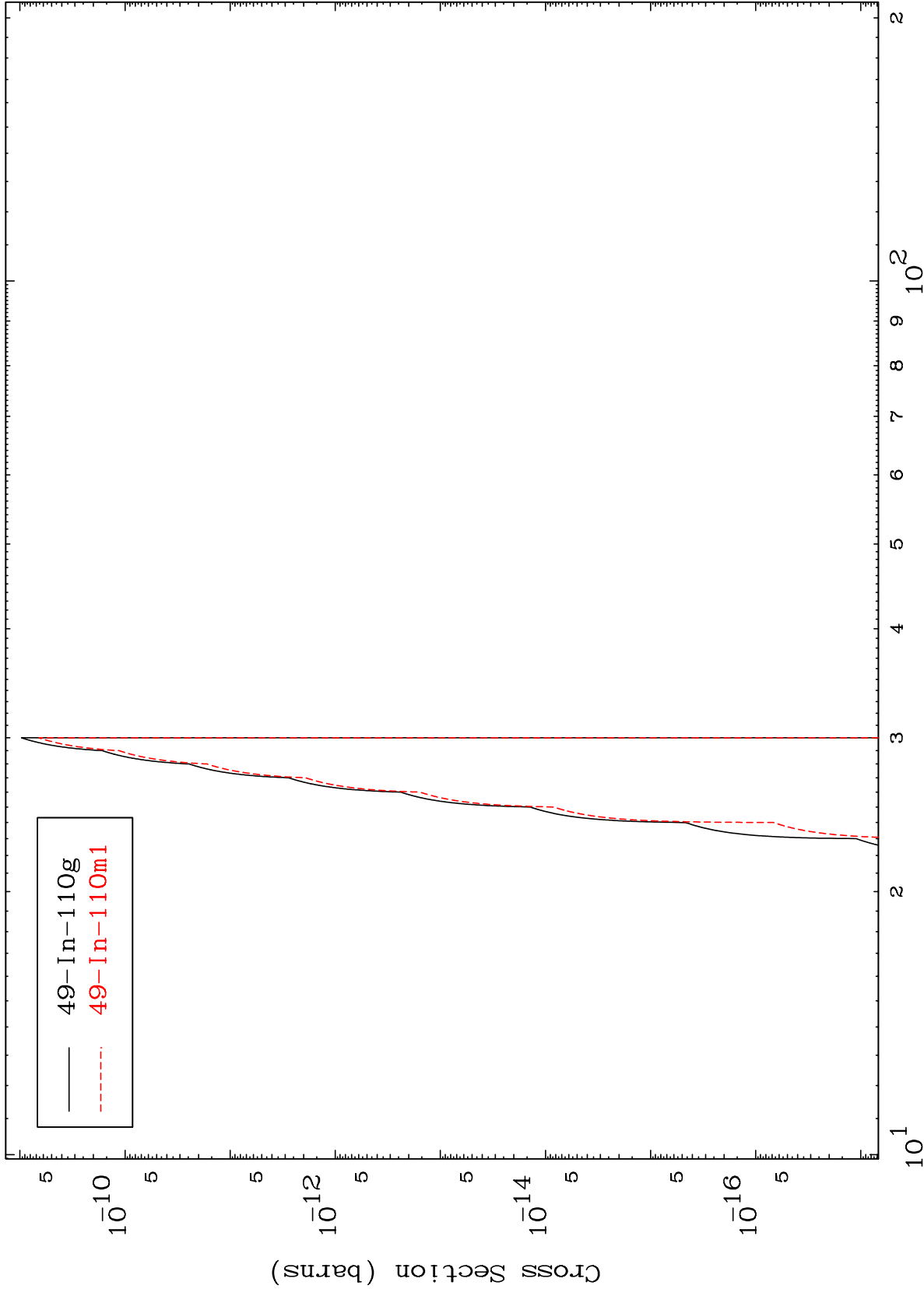
53-I -119

MAT 5301

(n,2n) 2α

53-I -119

Radionuclide Production Cross Section

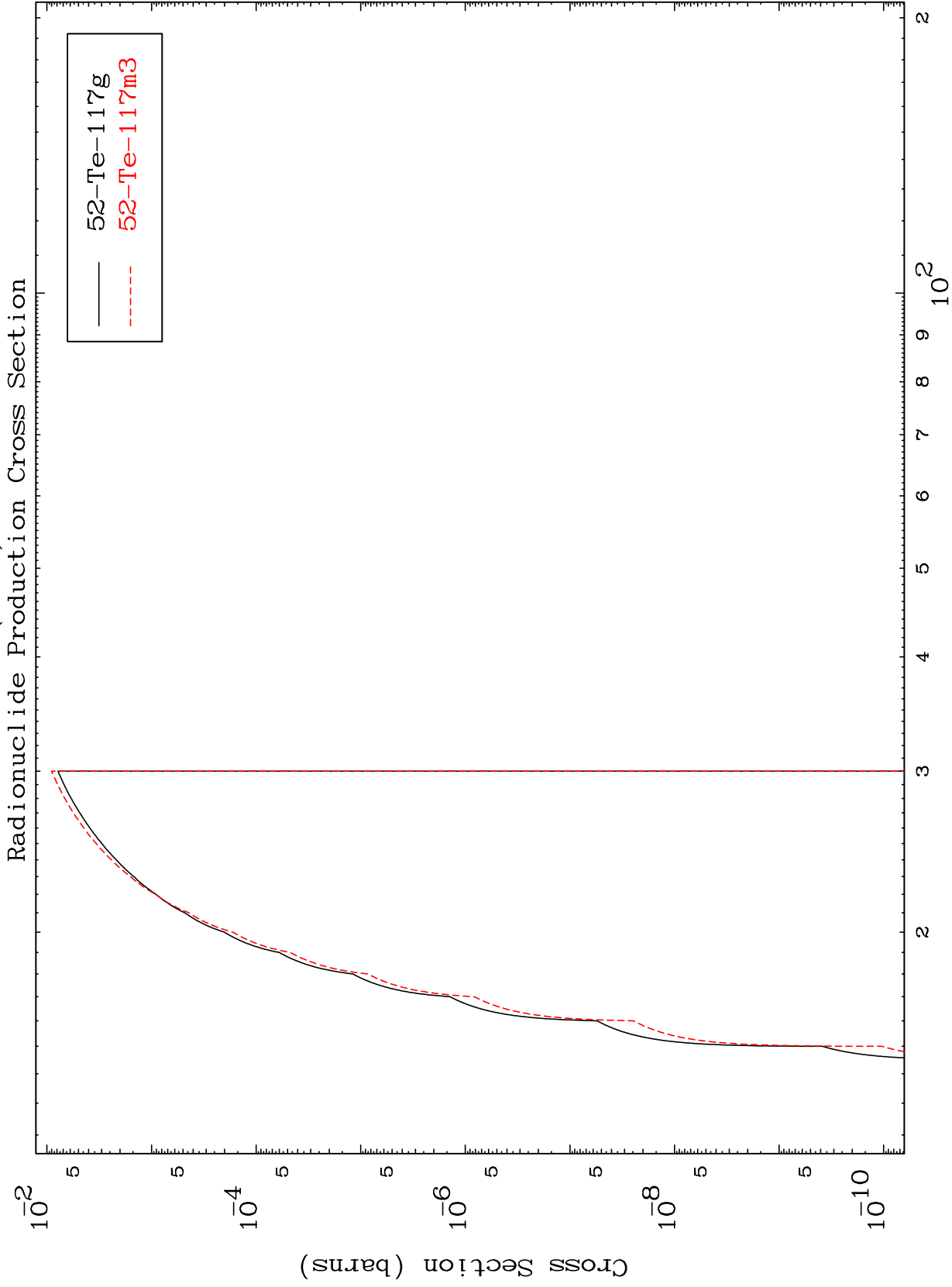


— 49-In-110g
- - - 49-In-110m1

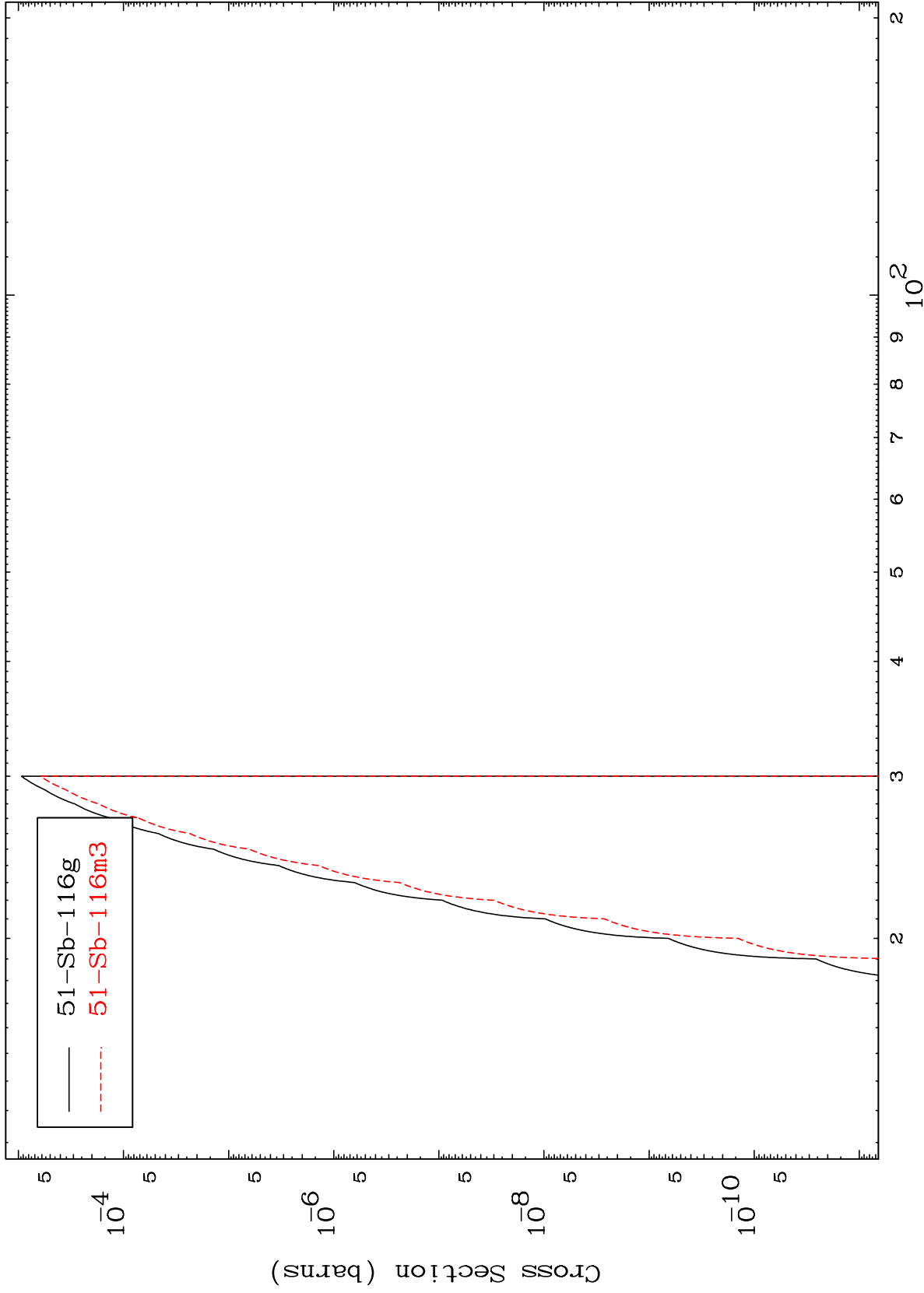
118

Incident Energy (MeV)

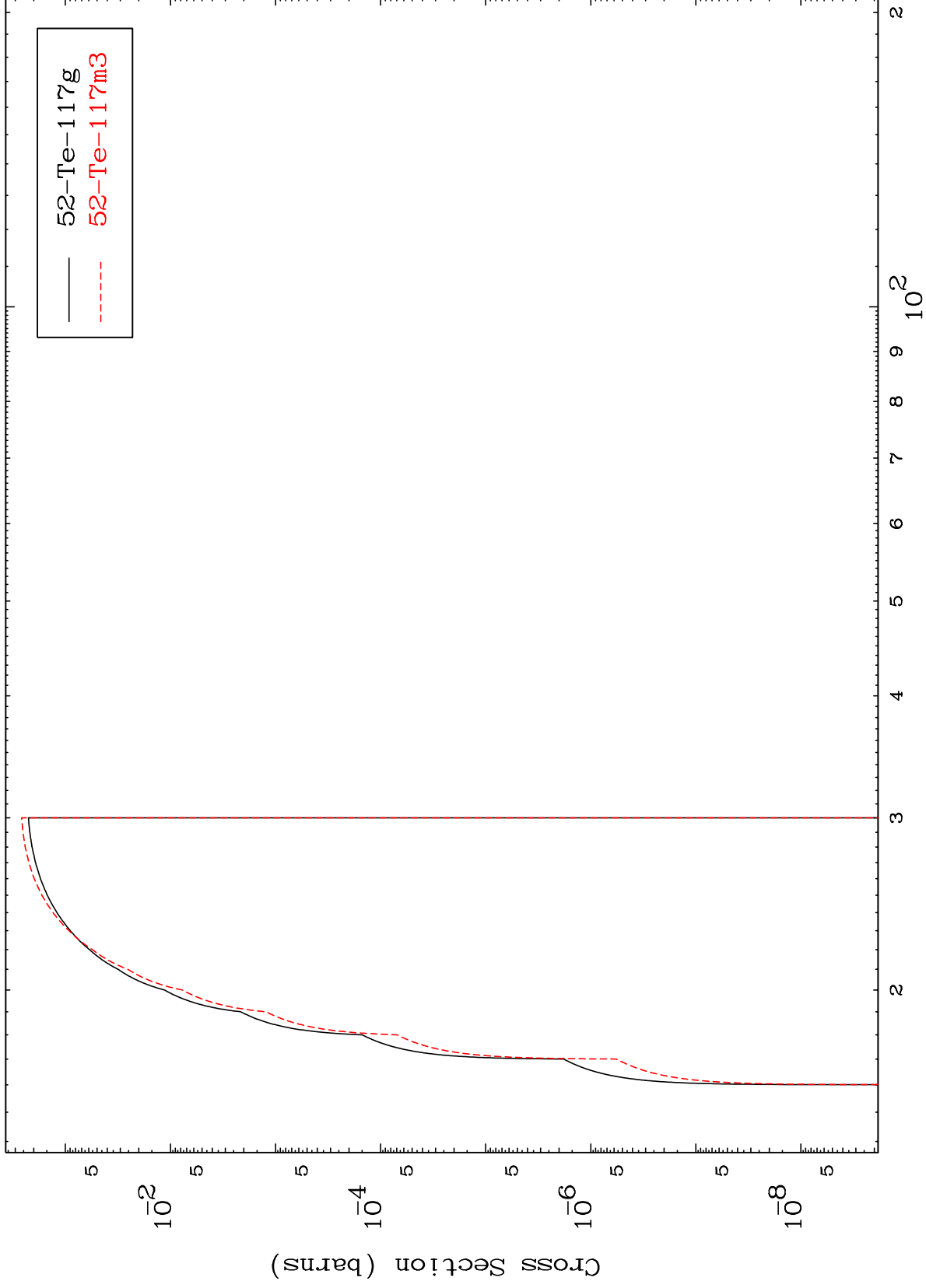
53-I -119



Radionuclide Production Cross Section



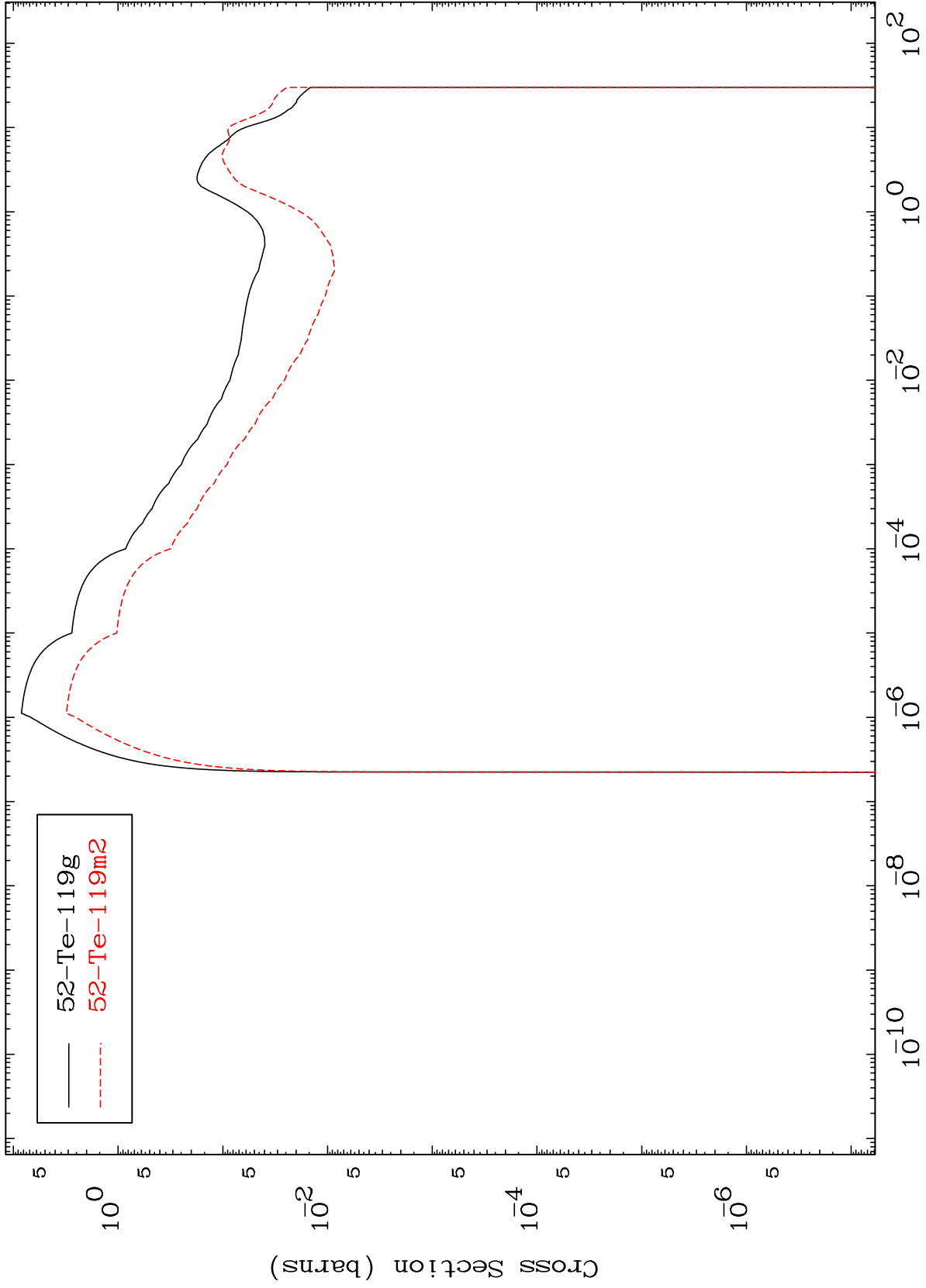
Radionuclide Production Cross Section



MAT 5301

53-I -119

(n,p)
Radionuclide Production Cross Section



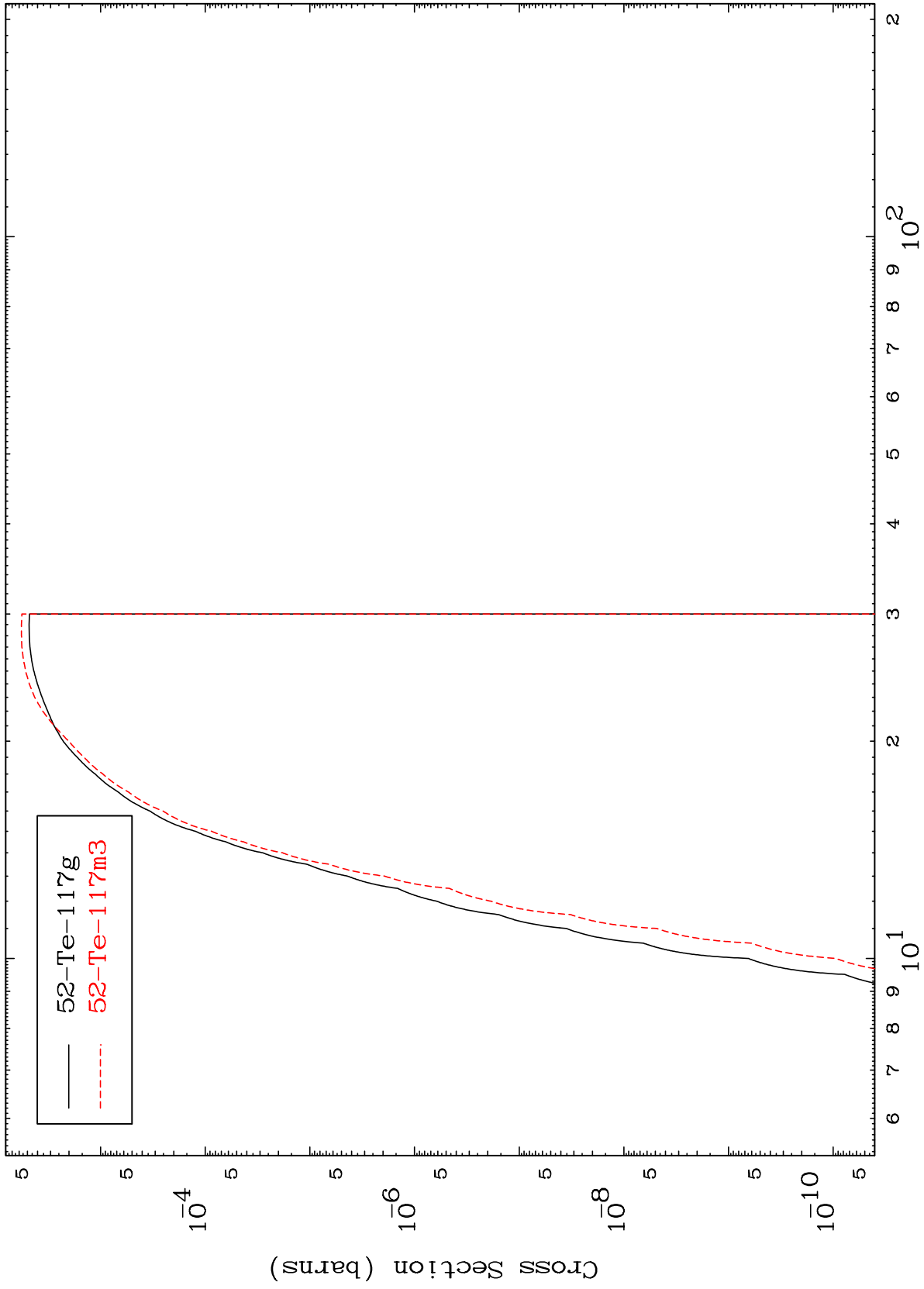
— 52-Te-119g
- - - 52-Te-119m2

53-I -119

Incident Energy (MeV)

122

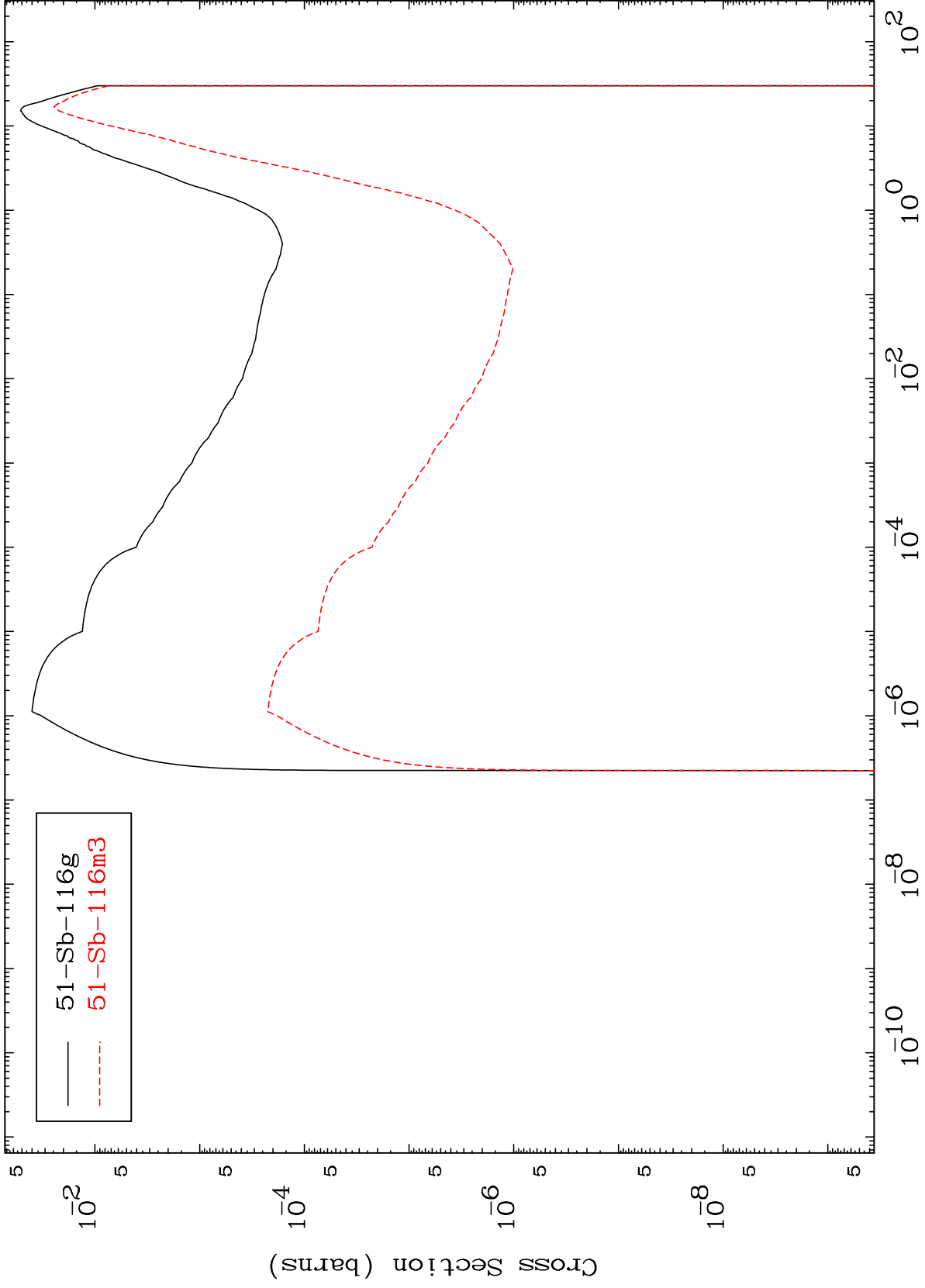
(n,t)
Radionuclide Production Cross Section



MAT 5301

53-I -119

Radionuclide Production Cross Section (n,α)

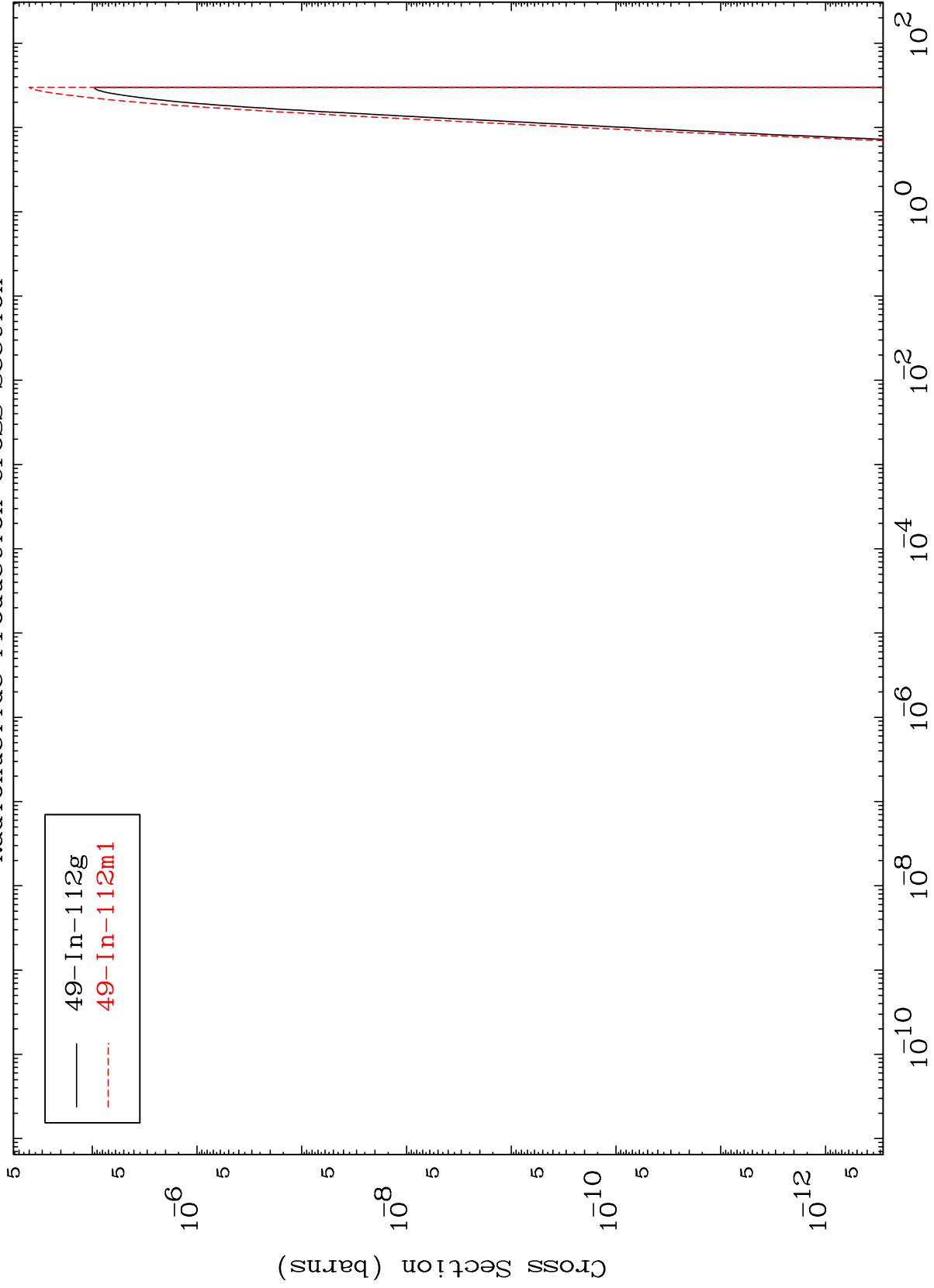


MAT 5301

(n,2α)

53-I -119

Radionuclide Production Cross Section



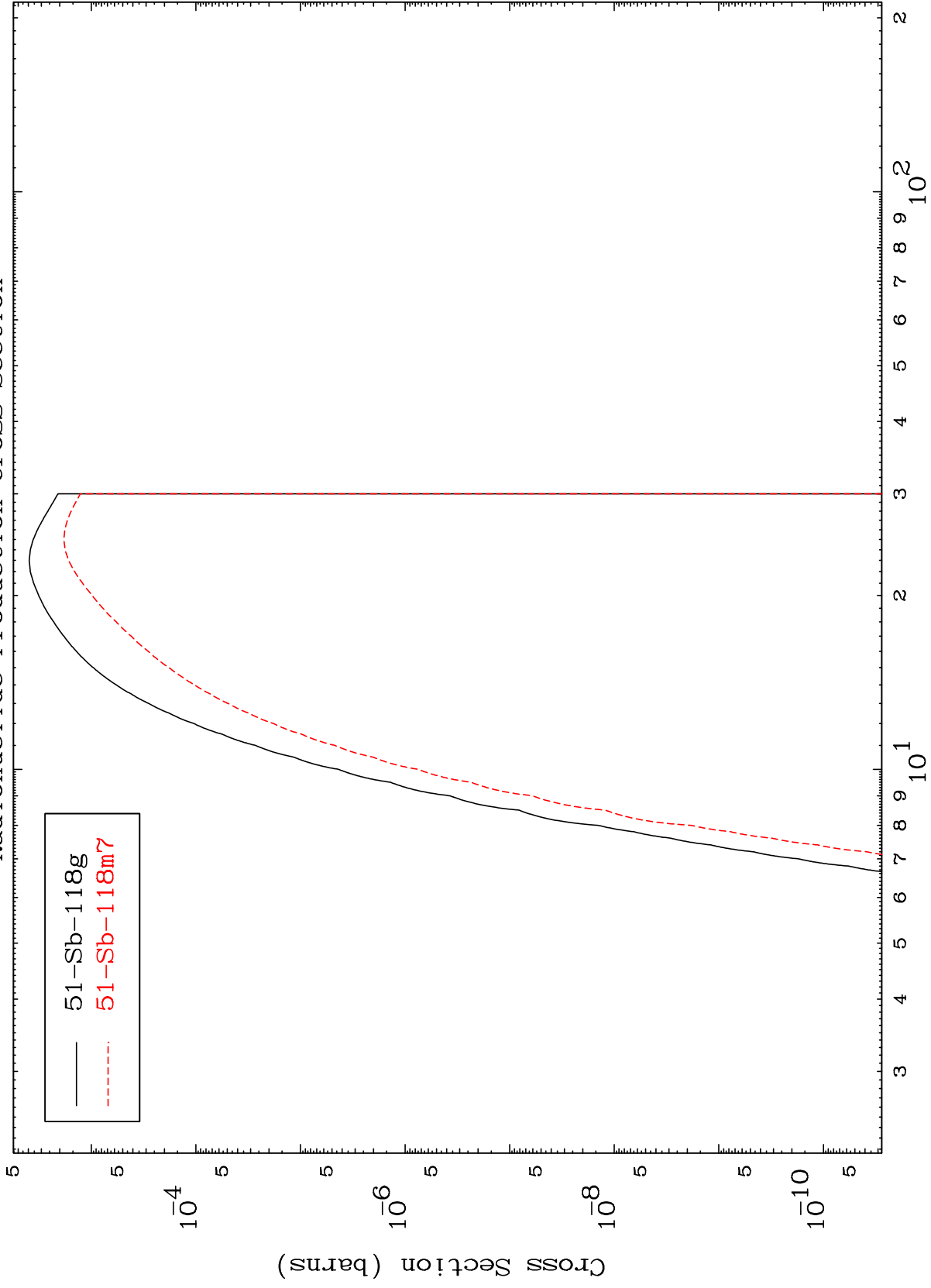
49-In-112g
49-In-112m1

125

Incident Energy (MeV)

53-I -119

(n,2p)
Radionuclide Production Cross Section



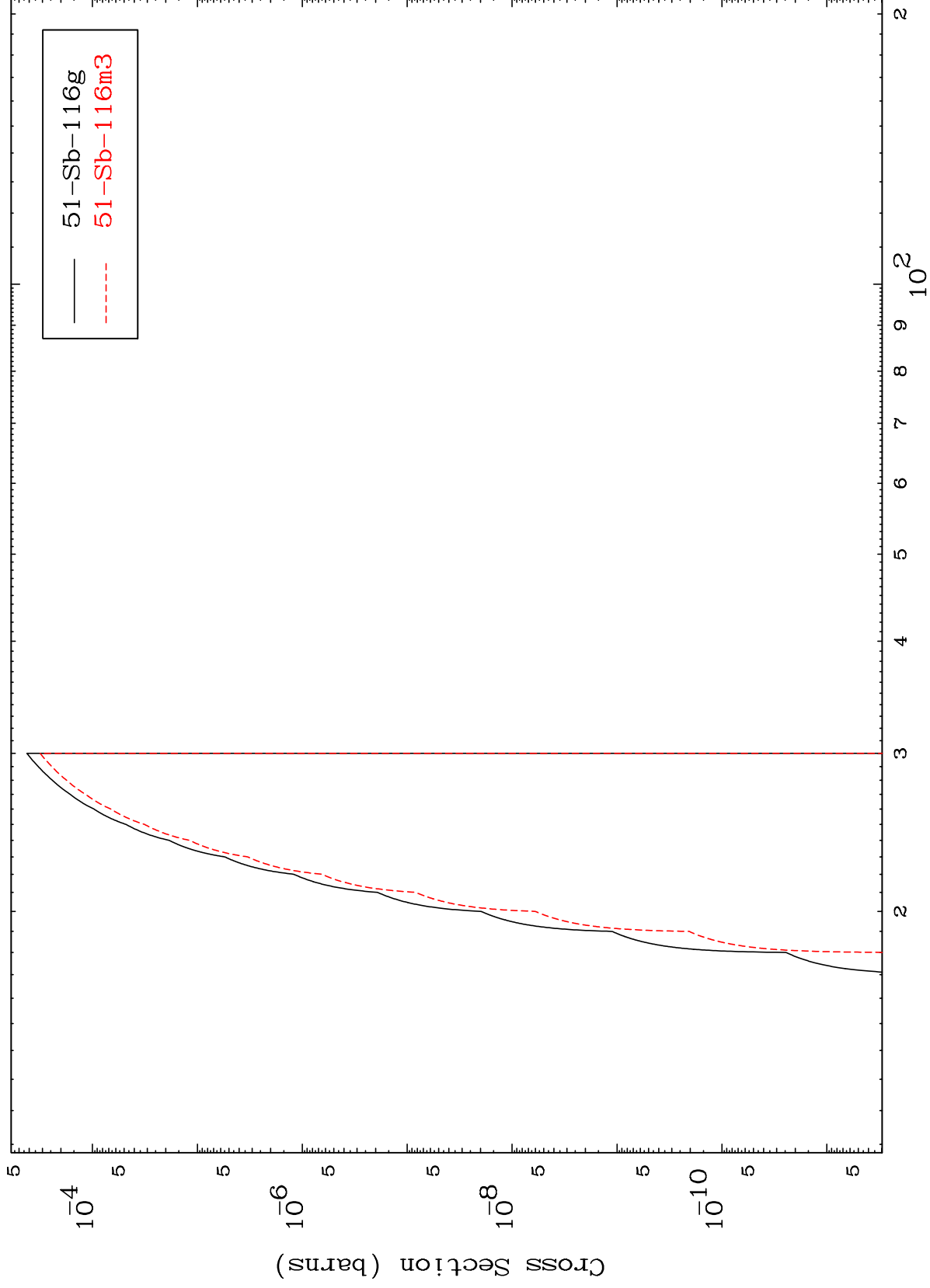
— 51-Sb-118g
- - - 51-Sb-118m7

MAT 5301

(n,p) t

53-I -119

Radionuclide Production Cross Section



127

Incident Energy (MeV)

53-I -119