

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

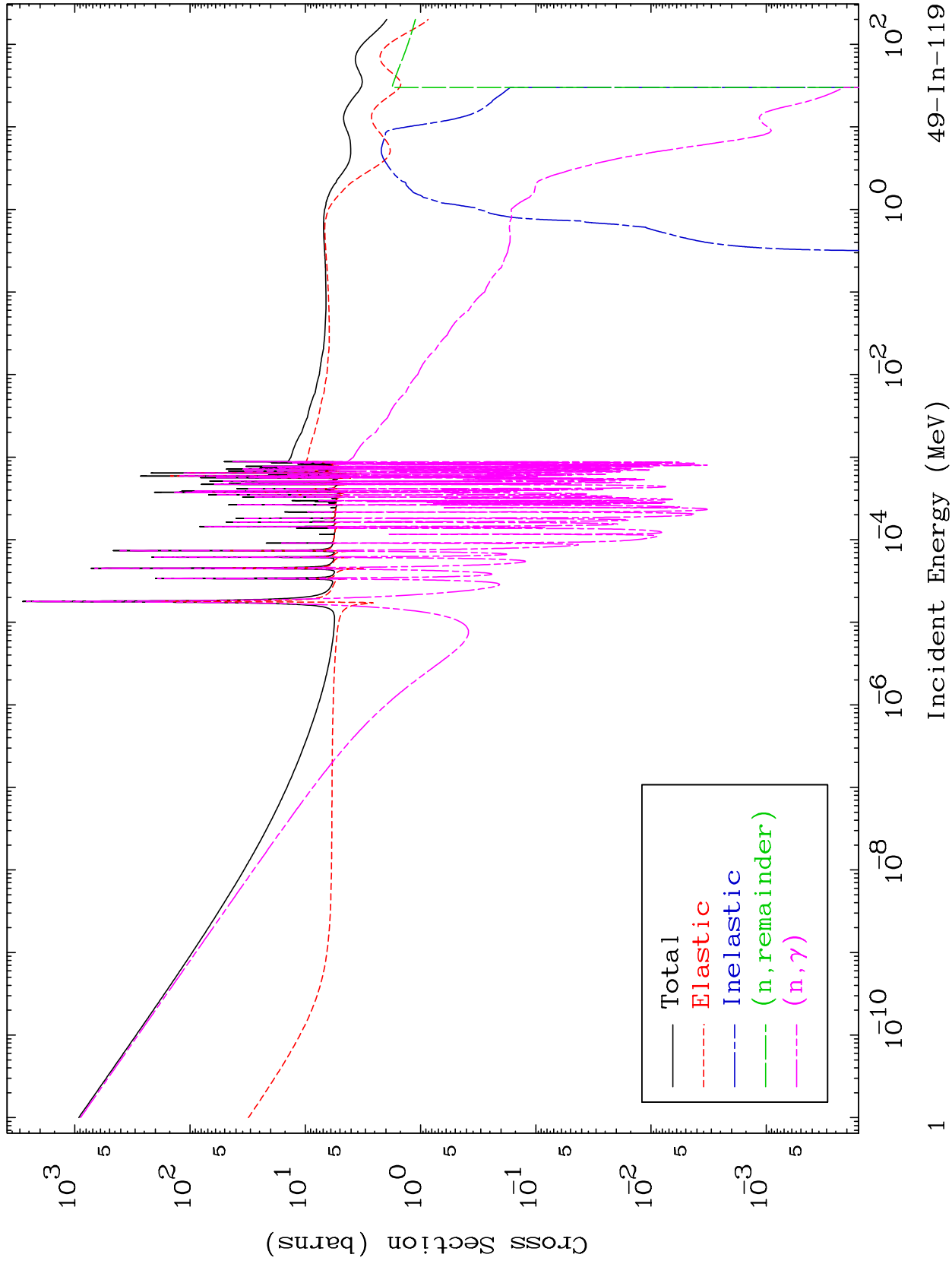
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4943

Major  
293 Kelvin Cross Sections

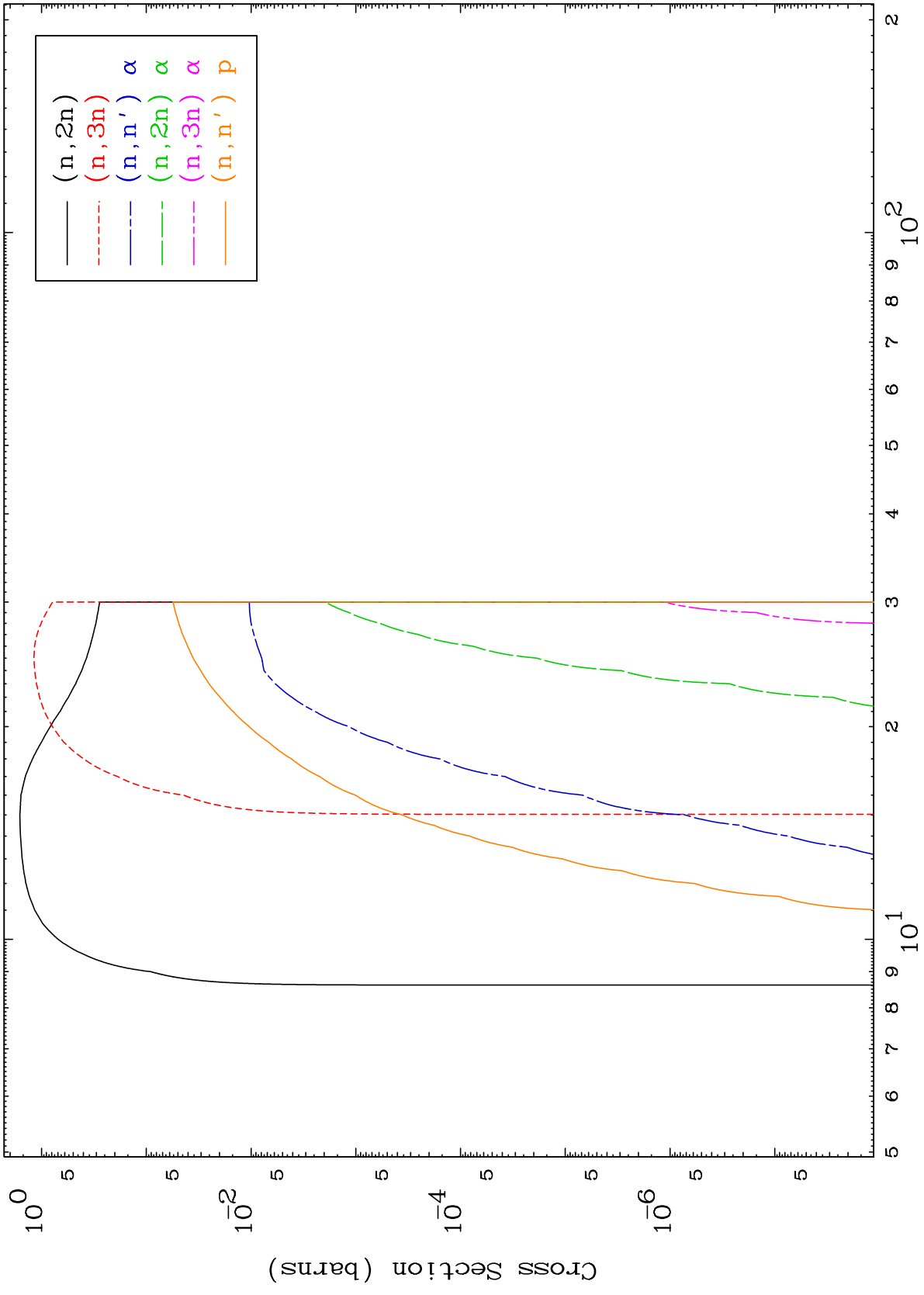
49-In-119



MAT 4943

Neutron Production  
293 Kelvin Cross Sections

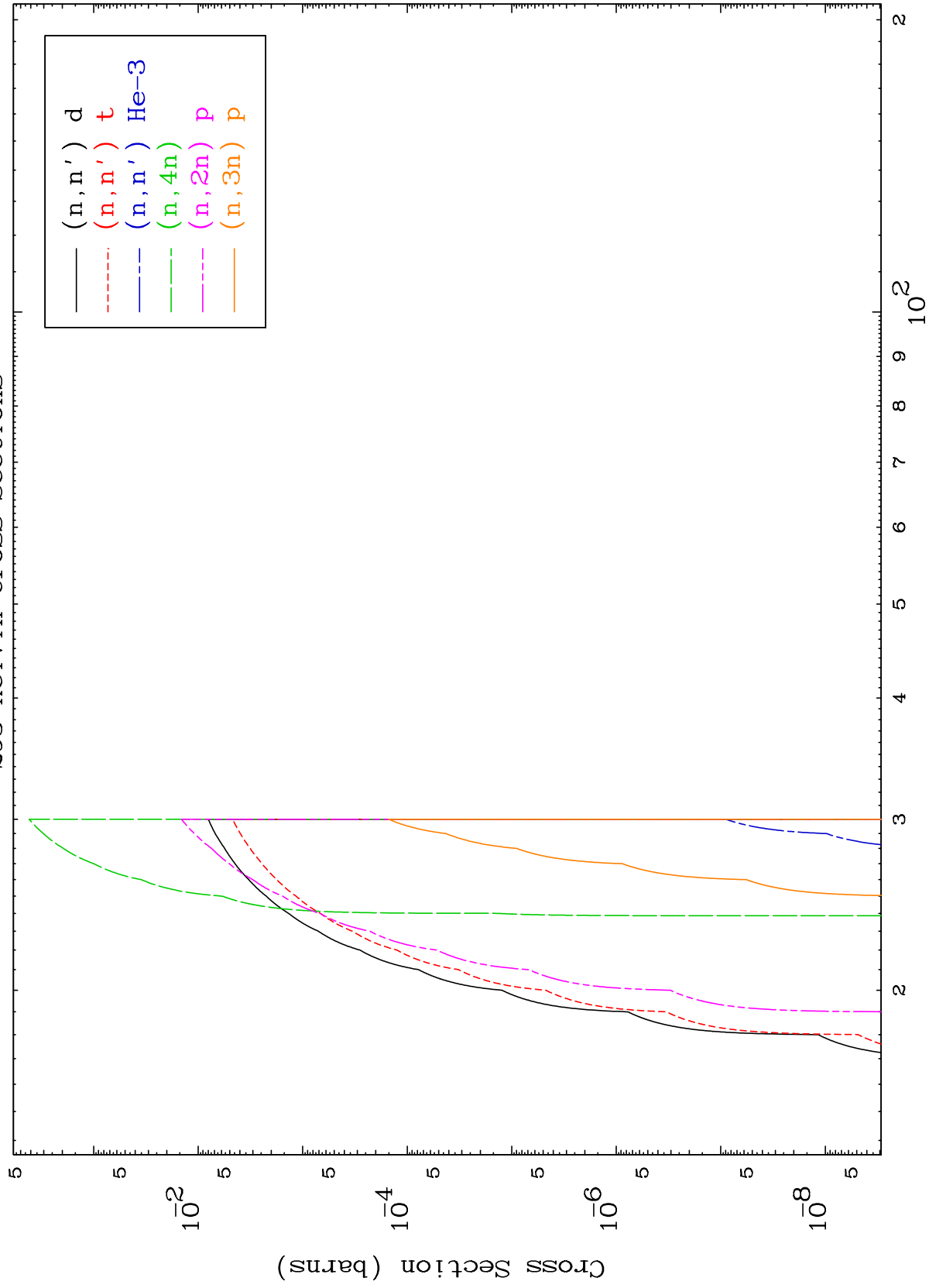
49-In-119

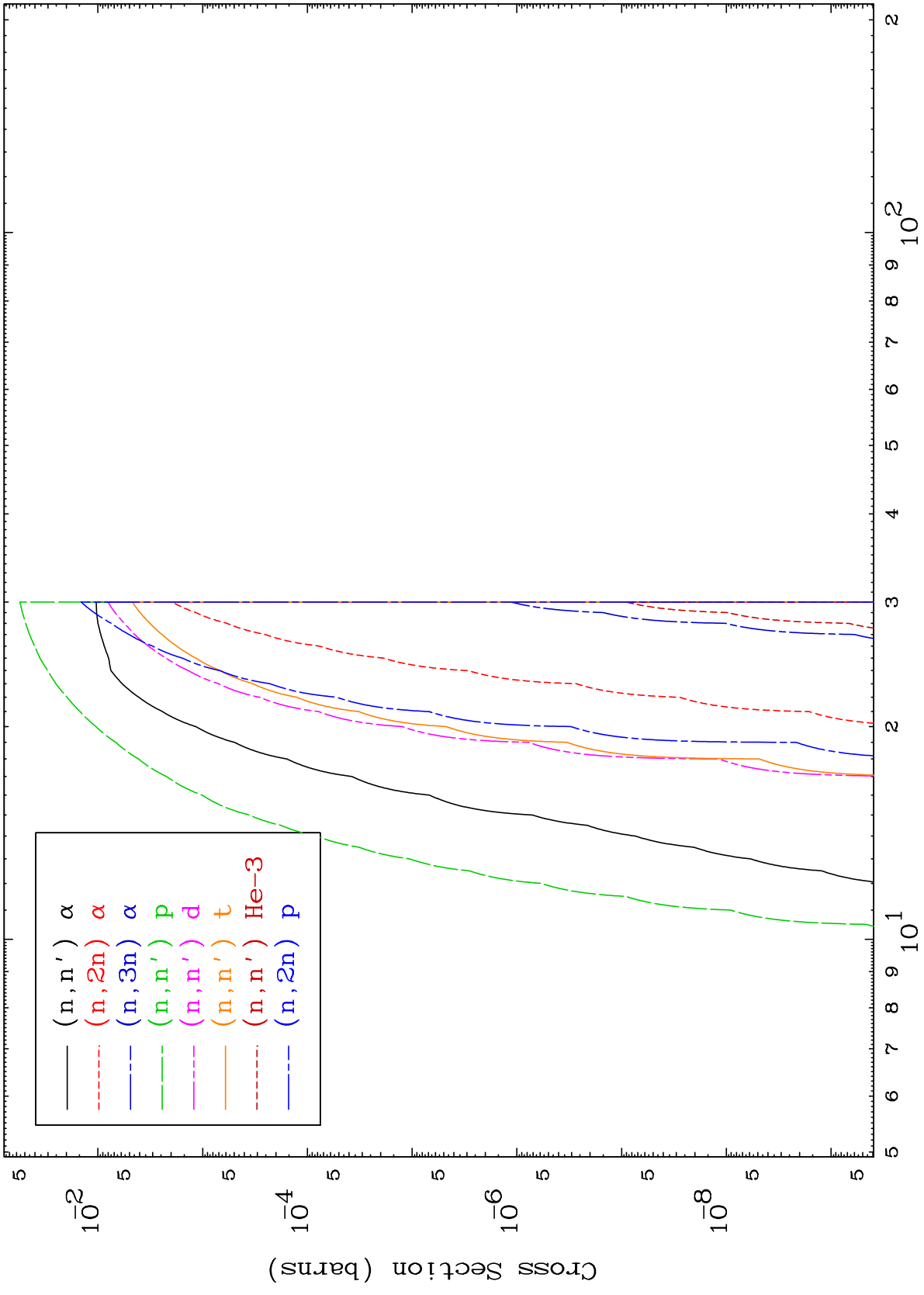


2

Incident Energy (MeV)

49-In-119

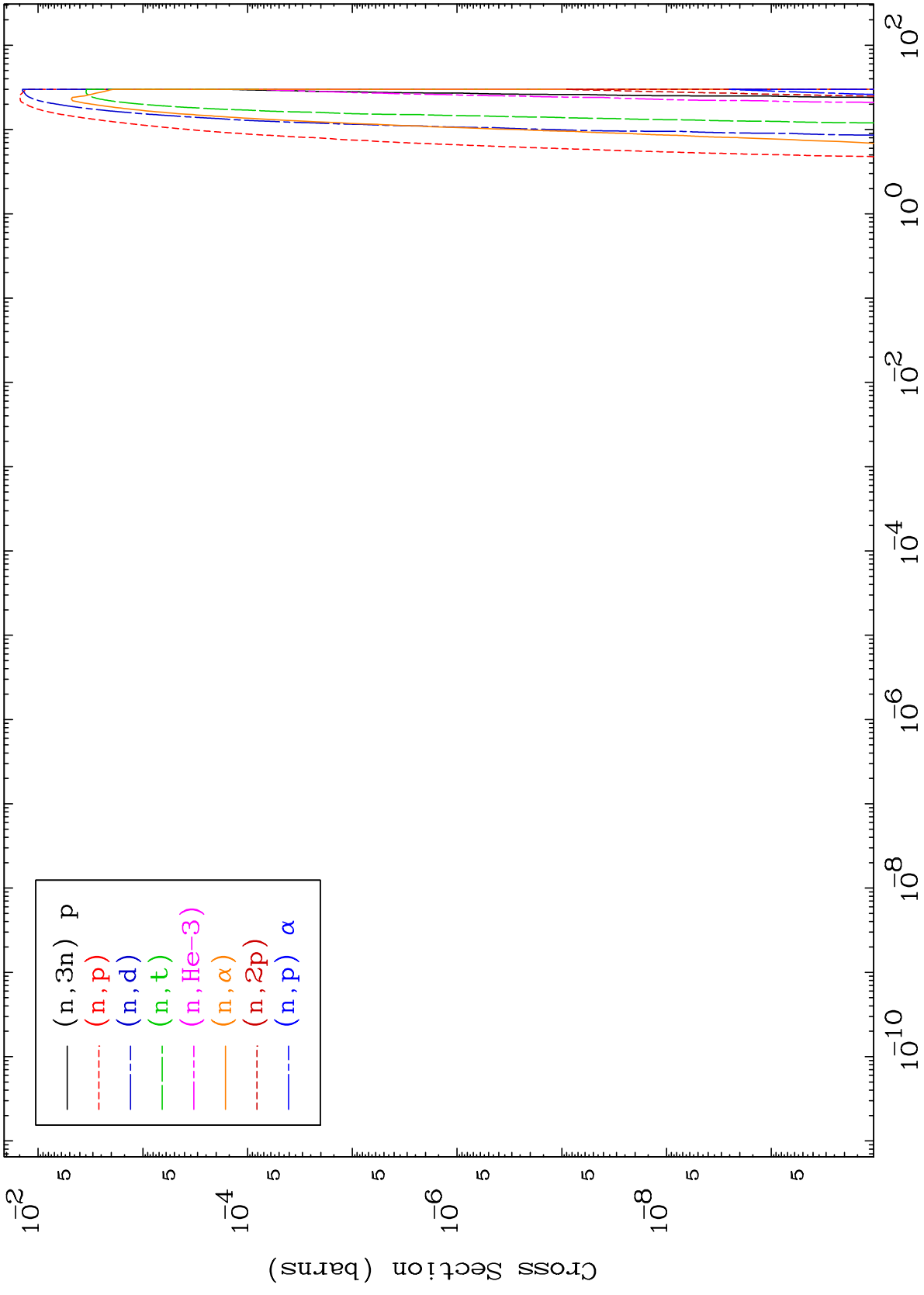




MAT 4943

Charged Particle  
293 Kelvin Cross Sections

49-In-119



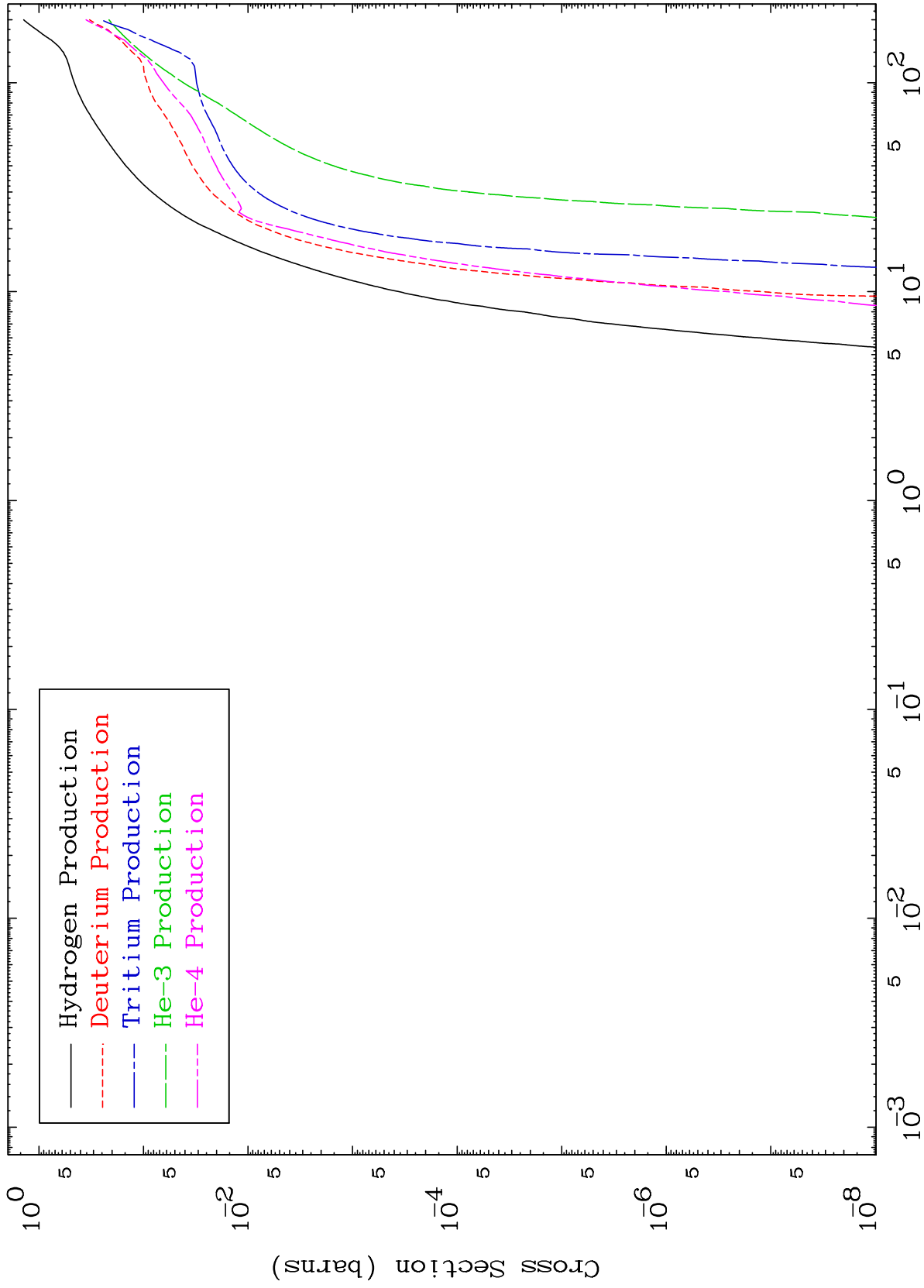
5

49-In-119

MAT 4943

Particle Production  
293 Kelvin Cross Sections

49-In-119



6

Incident Energy (MeV)

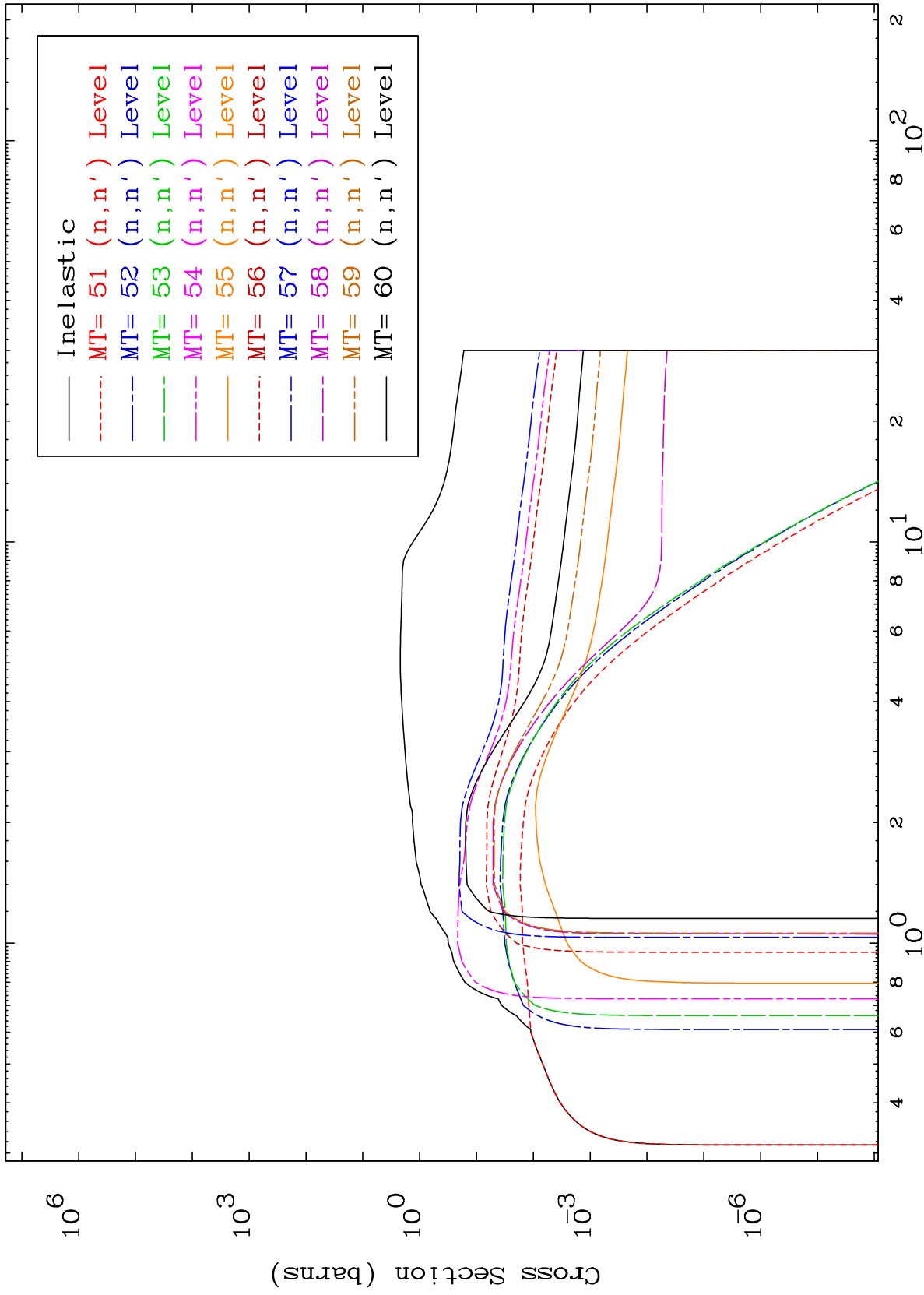
49-In-119

MAT 4943

(n,n') Level

49-In-119

293 Kelvin Cross Sections



7

49-In-119

49-In-119

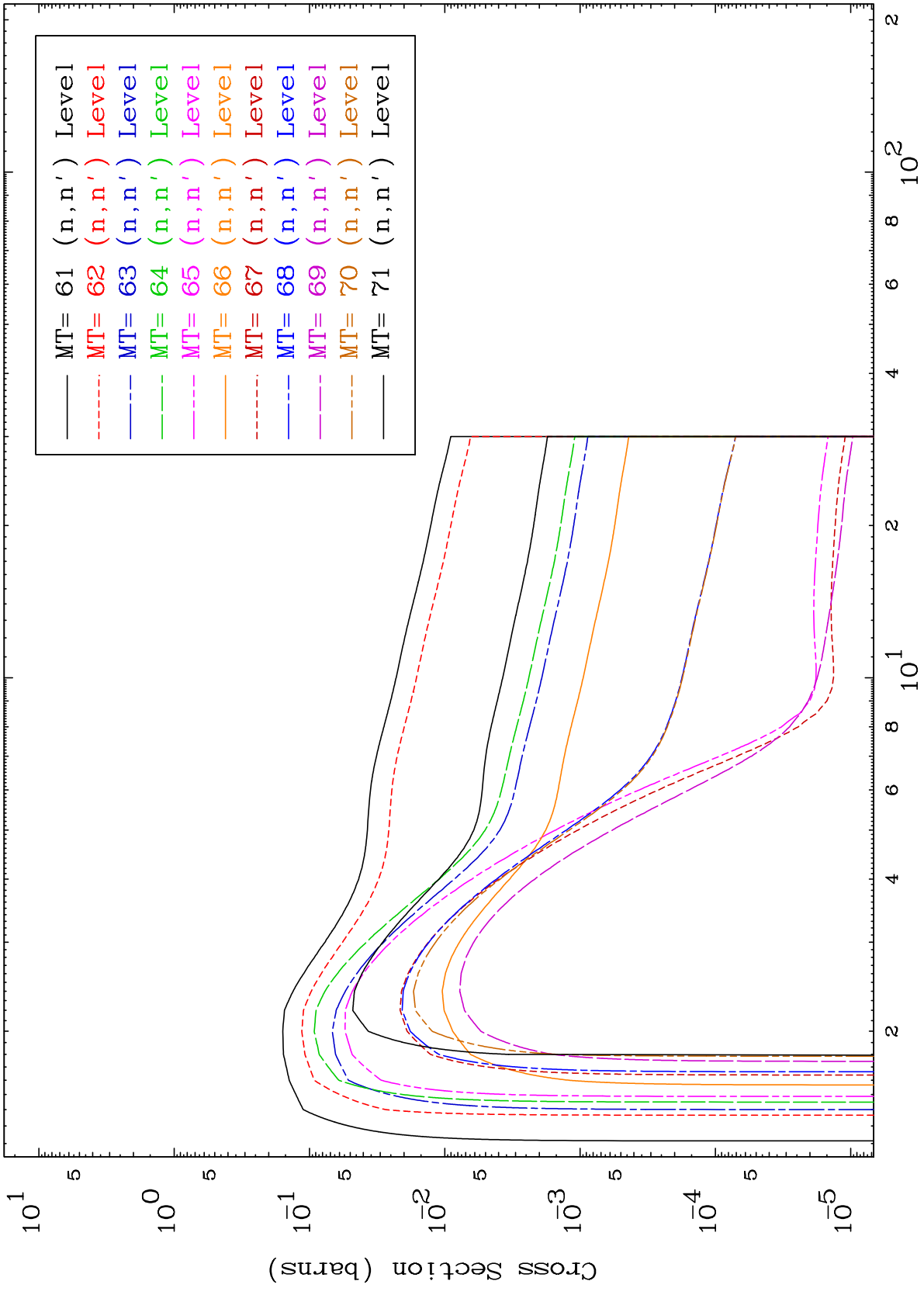


MAT 4943

(n,n') Level

49-In-119

293 Kelvin Cross Sections



8

Incident Energy (MeV)

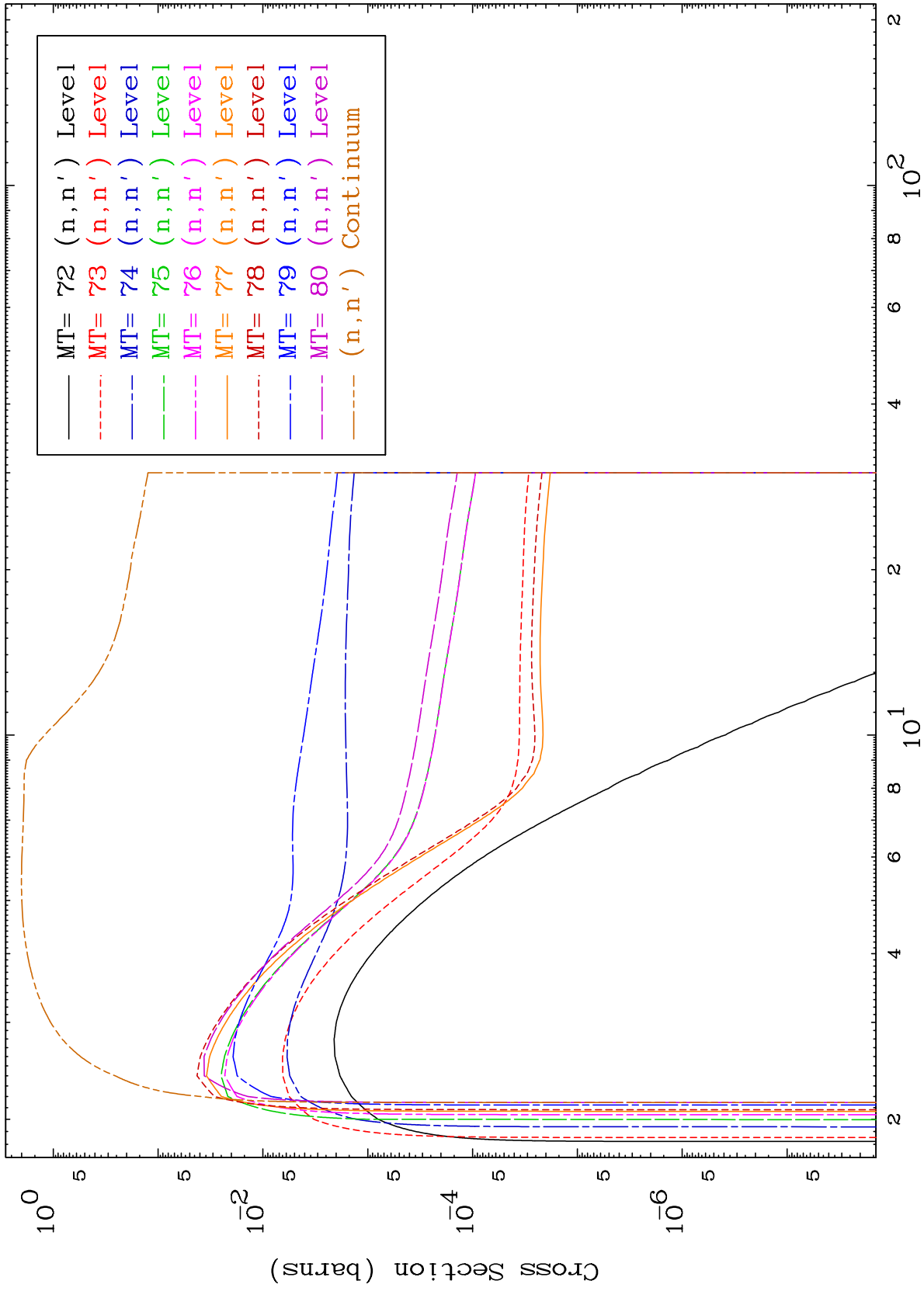
49-In-119

MAT 4943

(n,n') Level

49-In-119

293 Kelvin Cross Sections



9

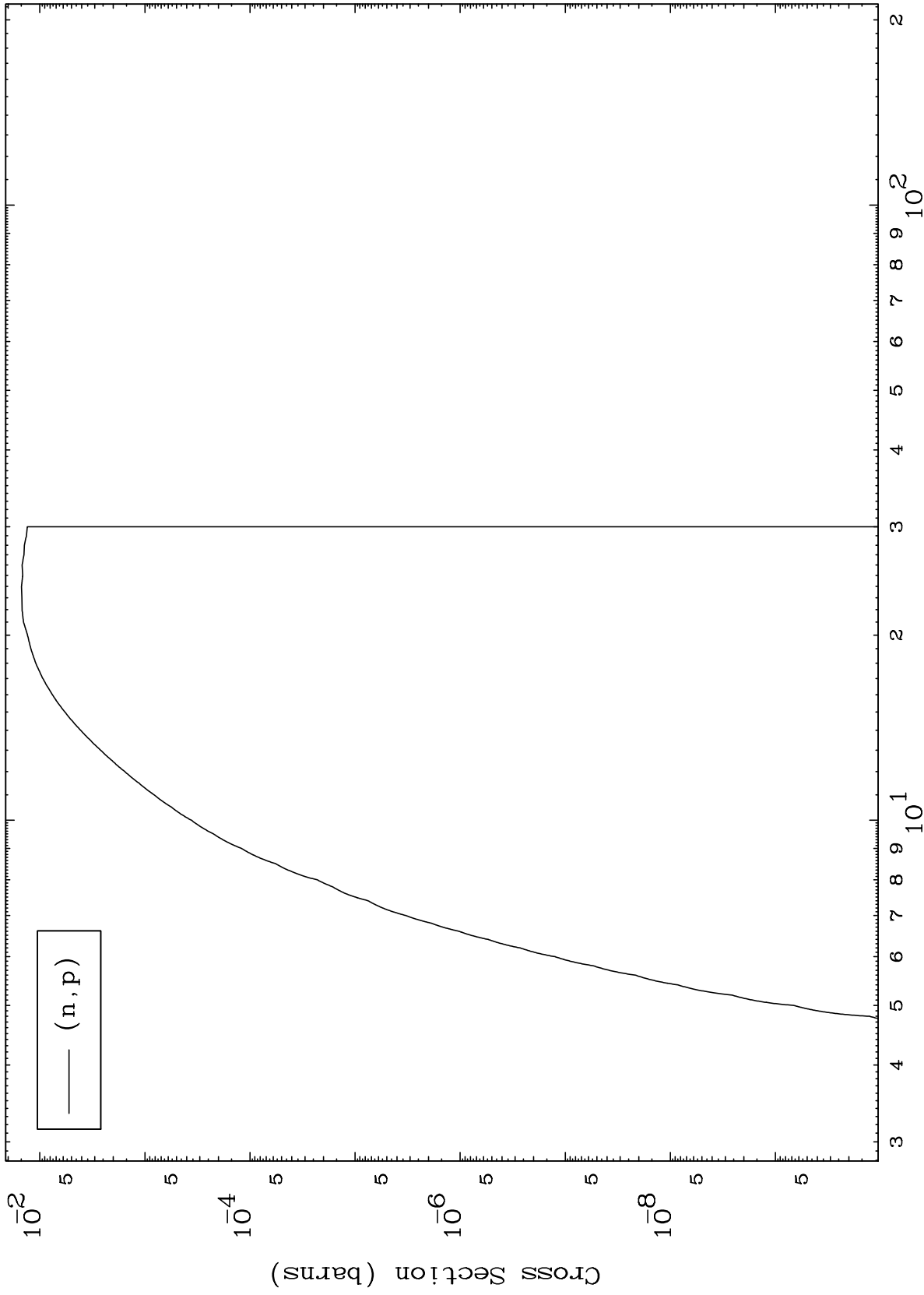
Incident Energy (MeV)

49-In-119

MAT 4943

(n,p) Levels  
293 Kelvin Cross Sections

49-In-119



10

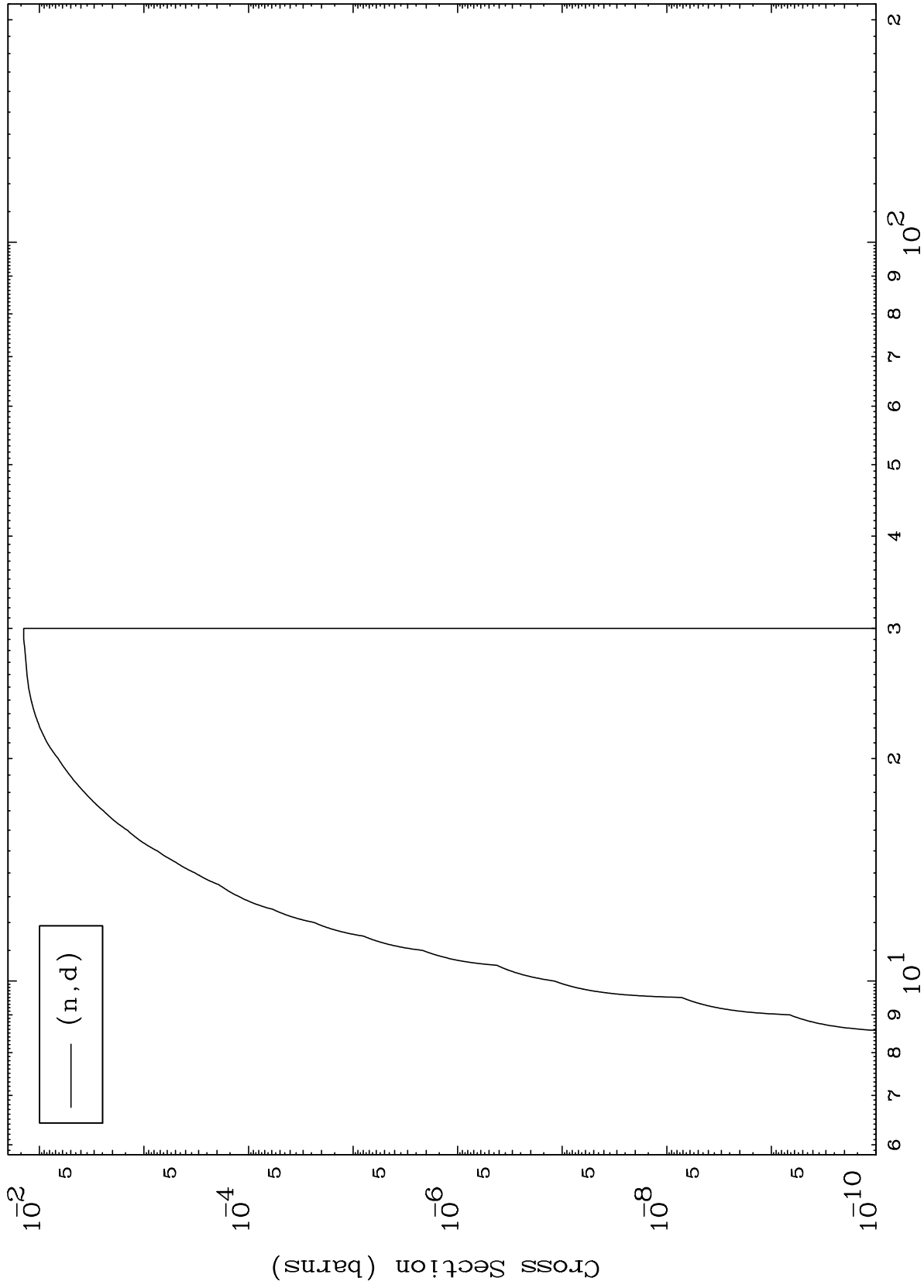
Incident Energy (MeV)

49-In-119

MAT 4943

(n,d) Levels  
293 Kelvin Cross Sections

49-In-119



11

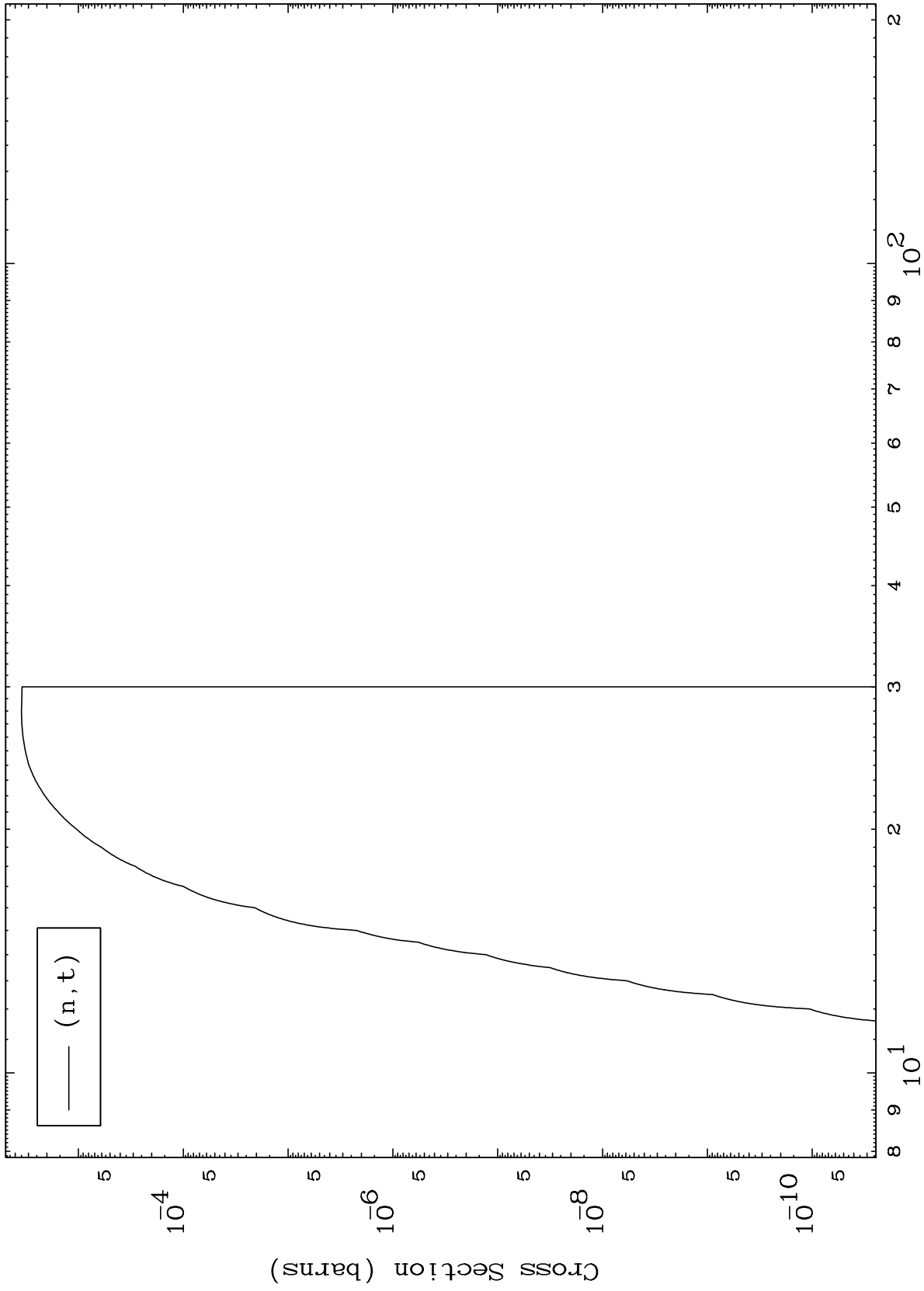
Incident Energy (MeV)

49-In-119

MAT 4943

(n,t) Levels  
293 Kelvin Cross Sections

49-In-119



12

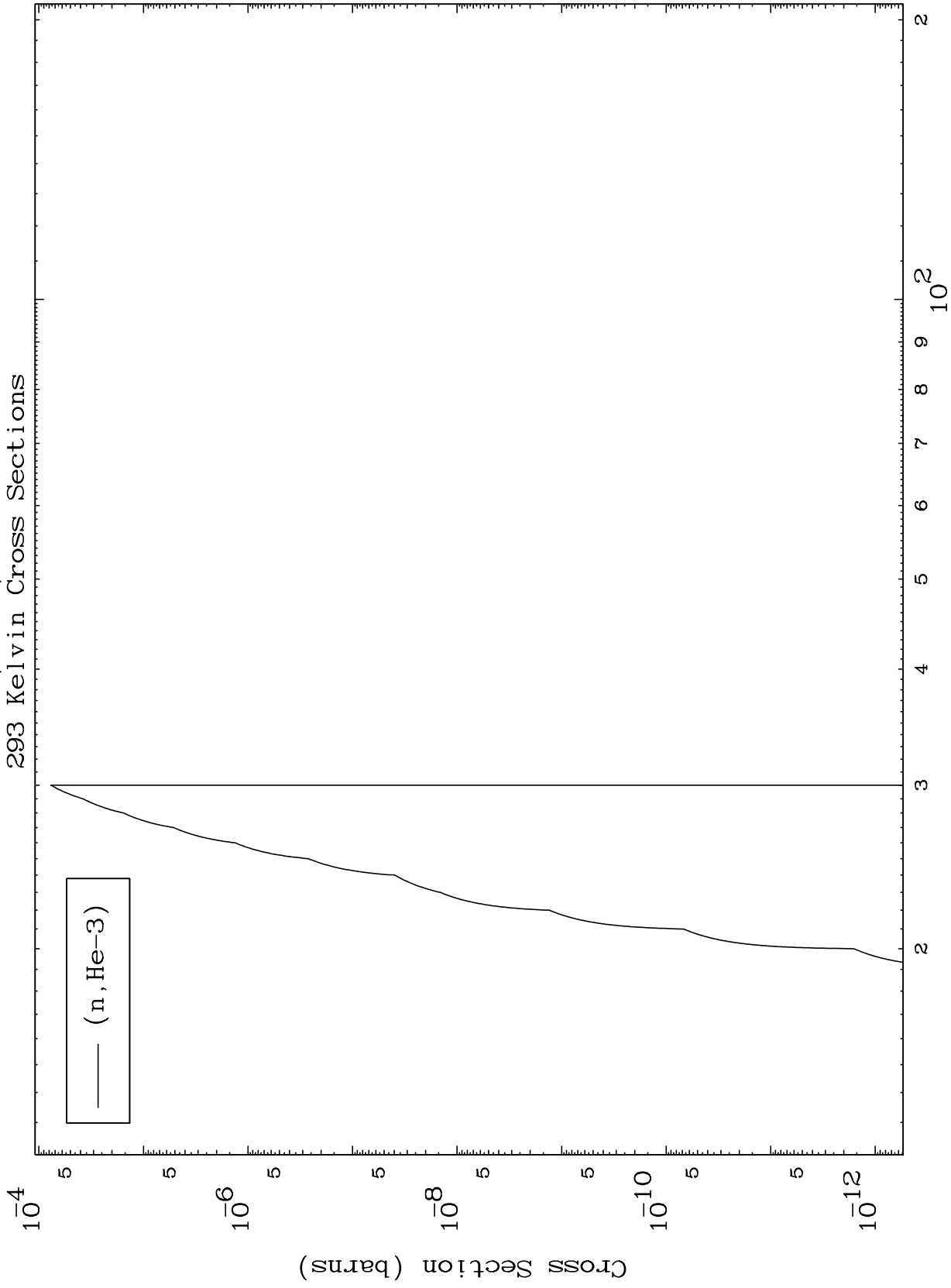
Incident Energy (MeV)

49-In-119

MAT 4943

(n,He3) Levels  
293 Kelvin Cross Sections

49-In-119



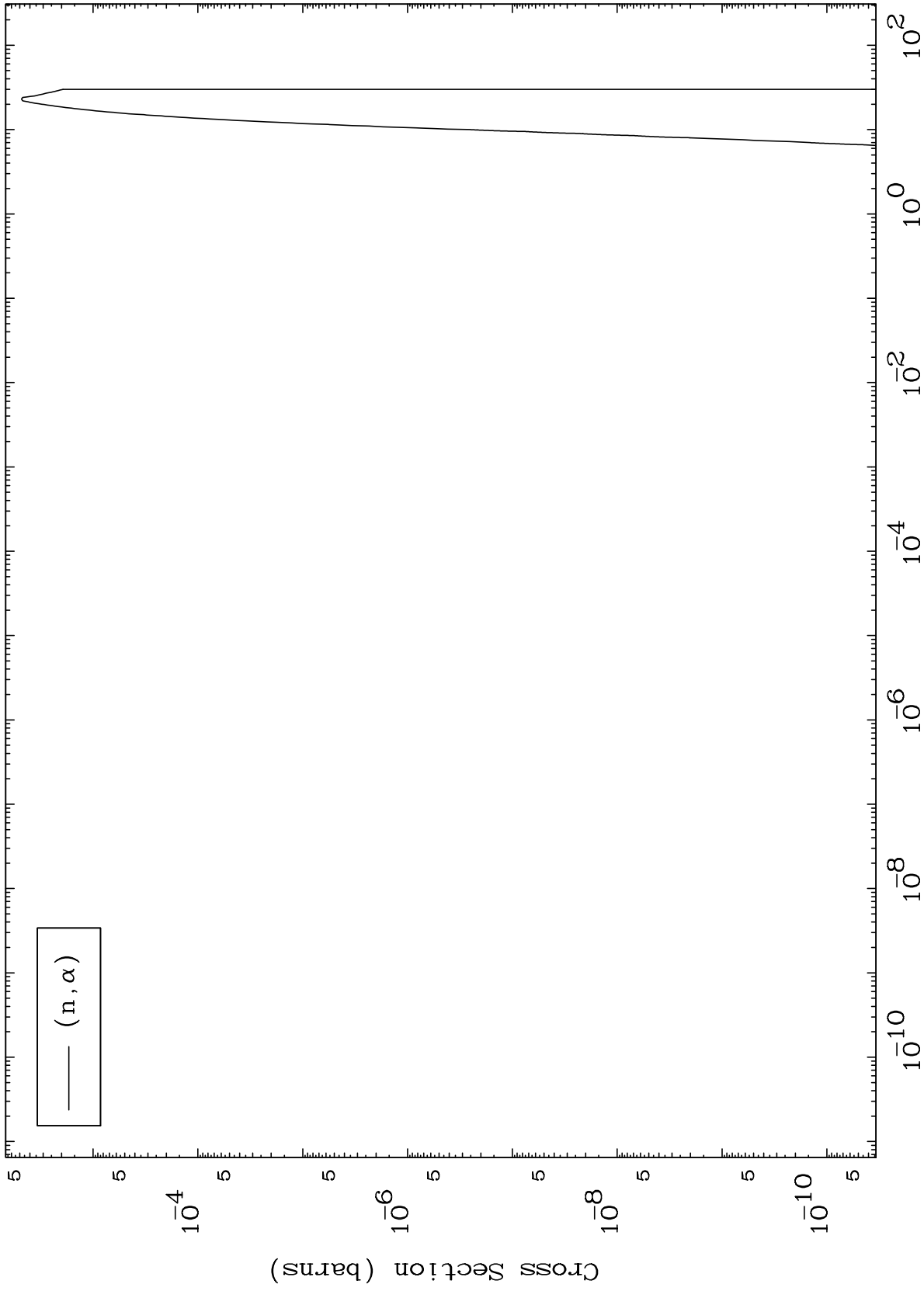
13

49-In-119

MAT 4943

(n,α) Levels  
293 Kelvin Cross Sections

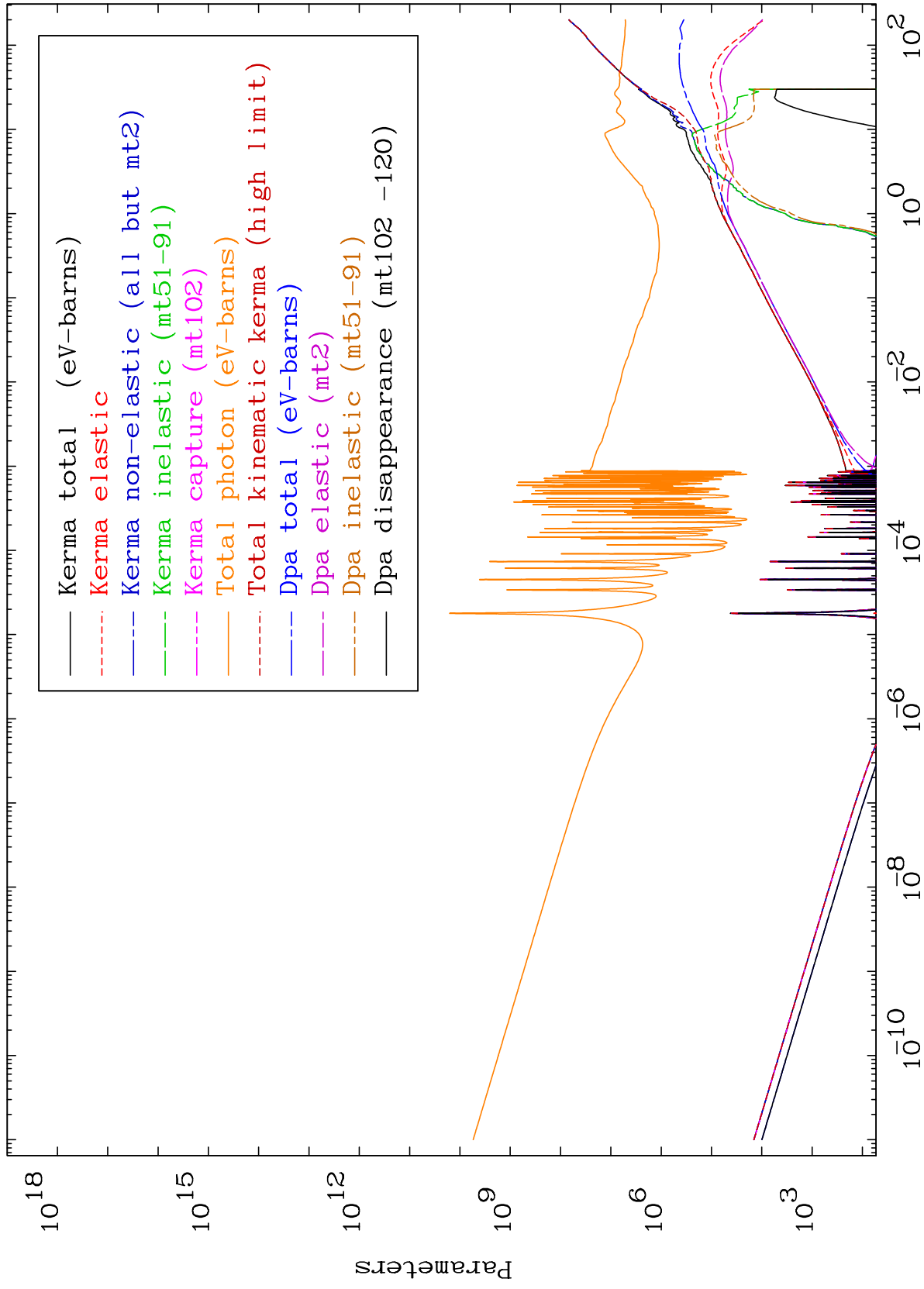
49-In-119



14

Incident Energy (MeV)

49-In-119

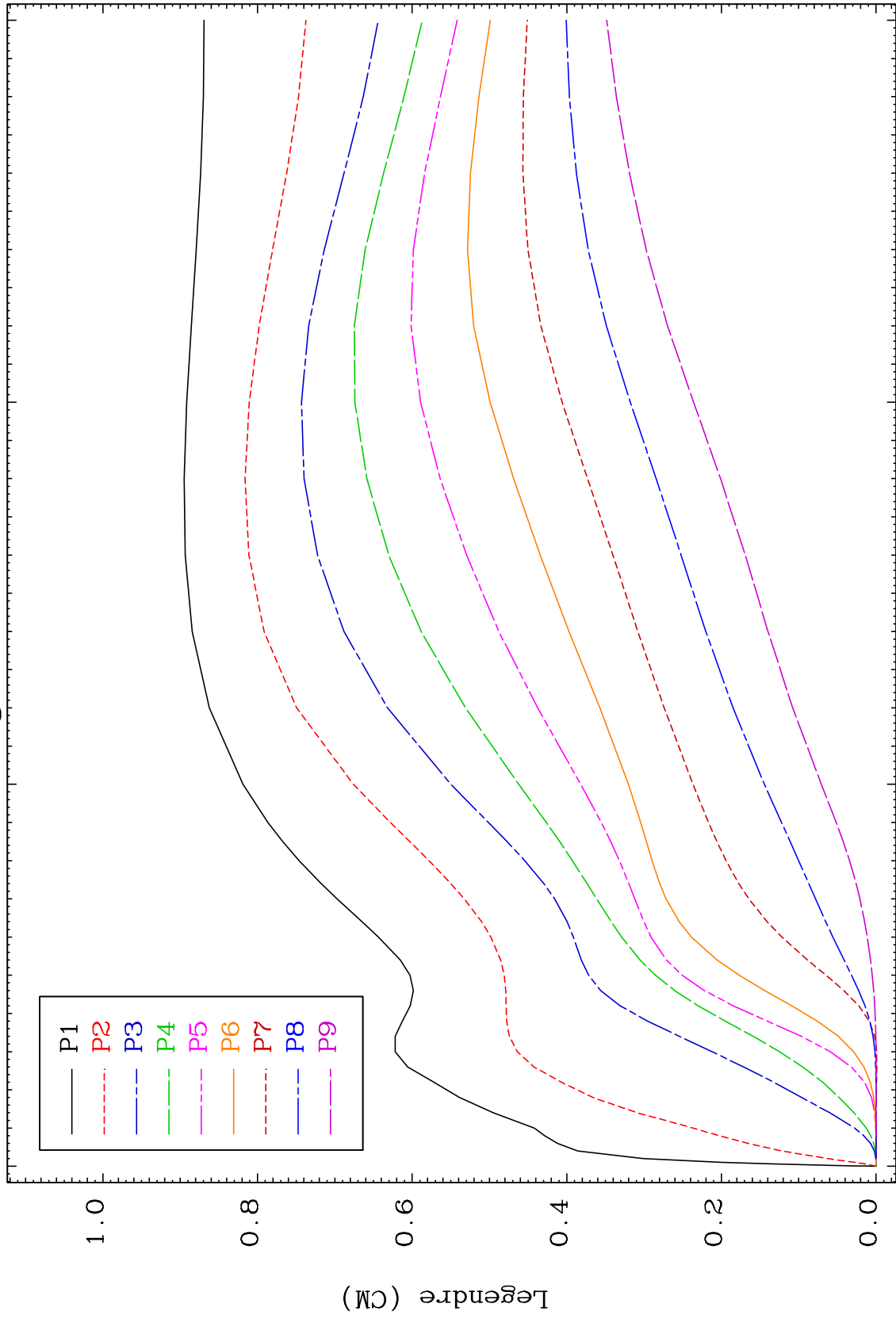




MAT 4943

Elastic Legendre Coefficients

49-In-119



16

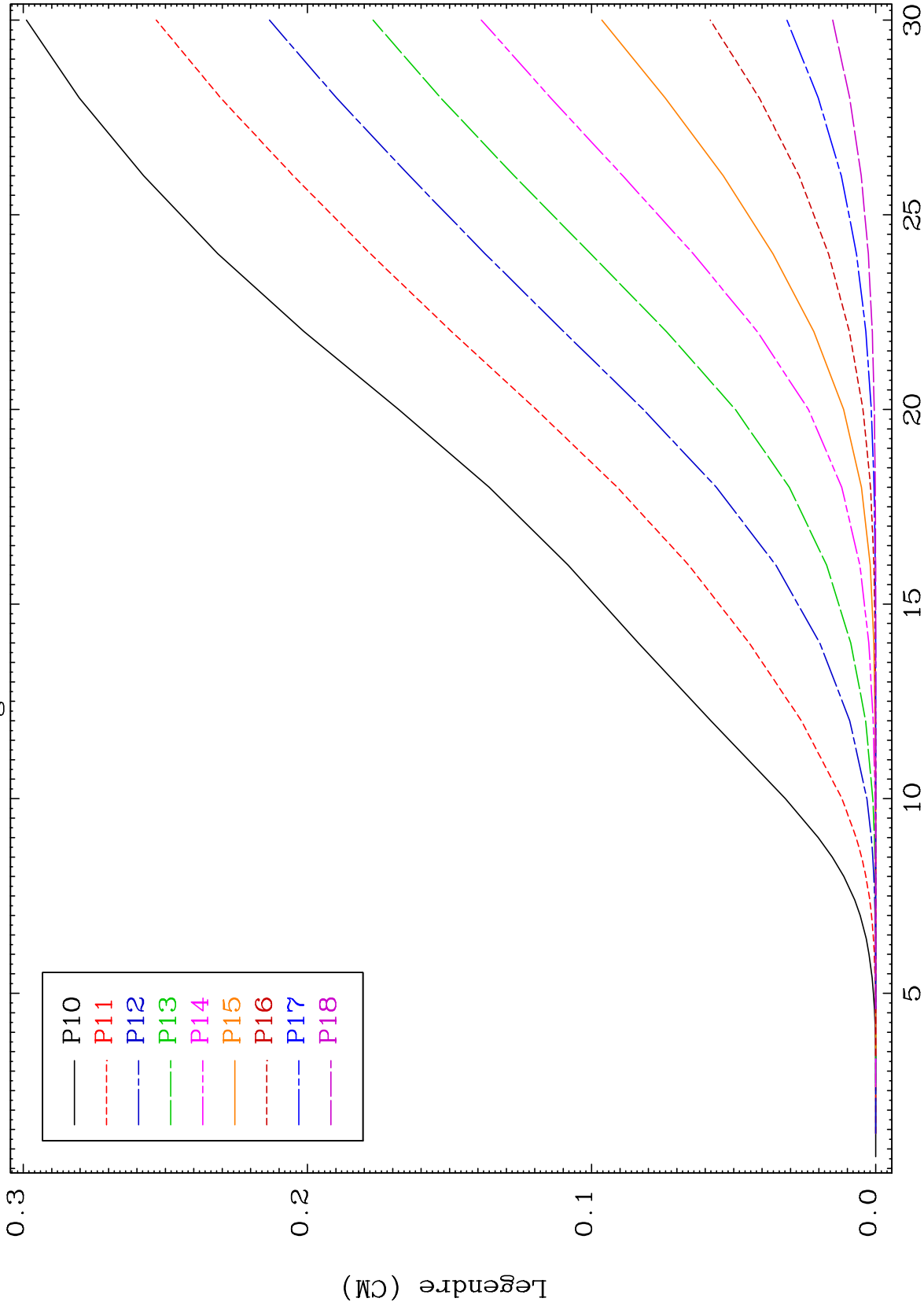
Incident Energy (MeV)

49-In-119

MAT 4943

Elastic Legendre Coefficients

49-In-119



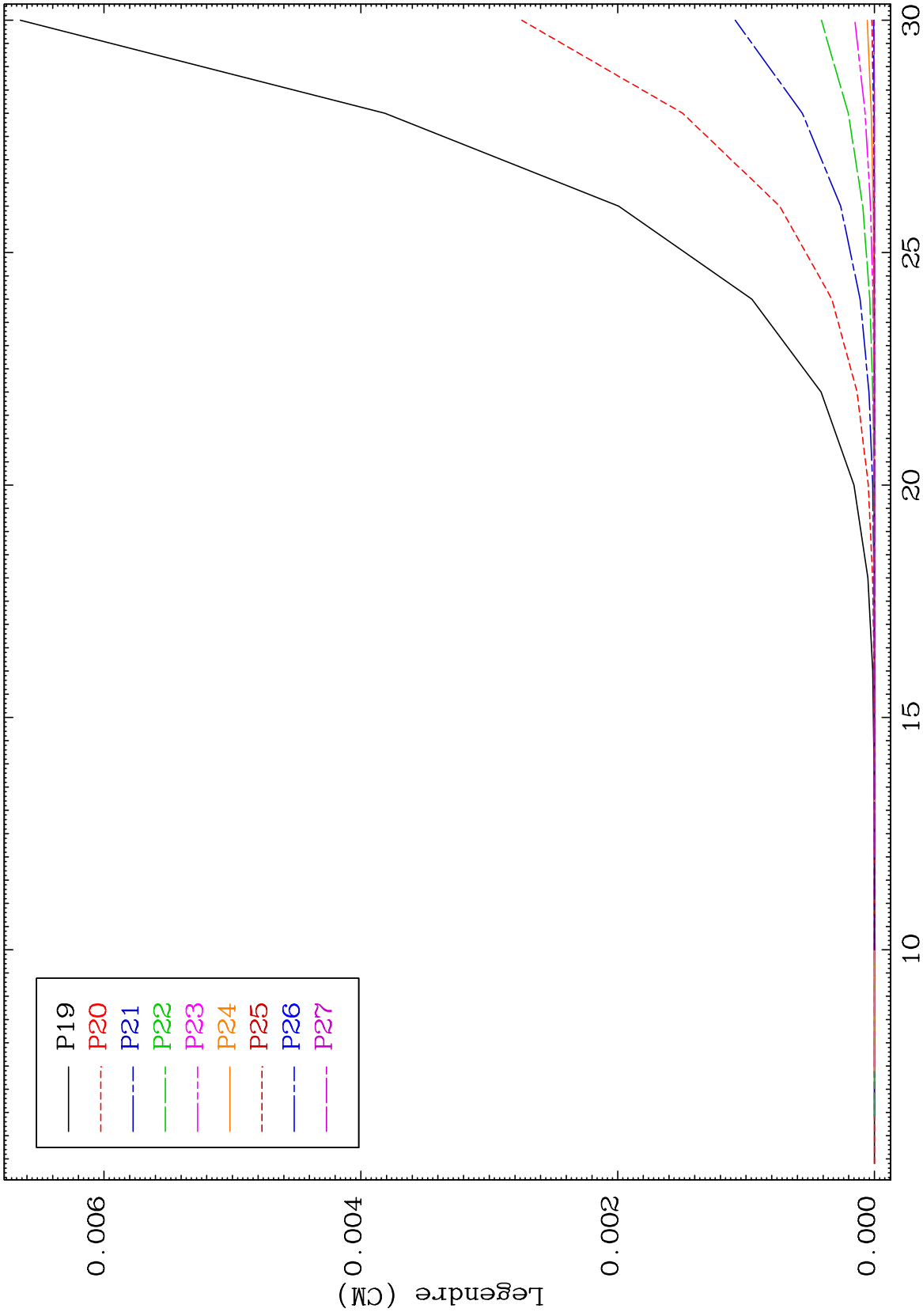
17

49-In-119

MAT 4943

### Elastic Legendre Coefficients

49-In-119



18

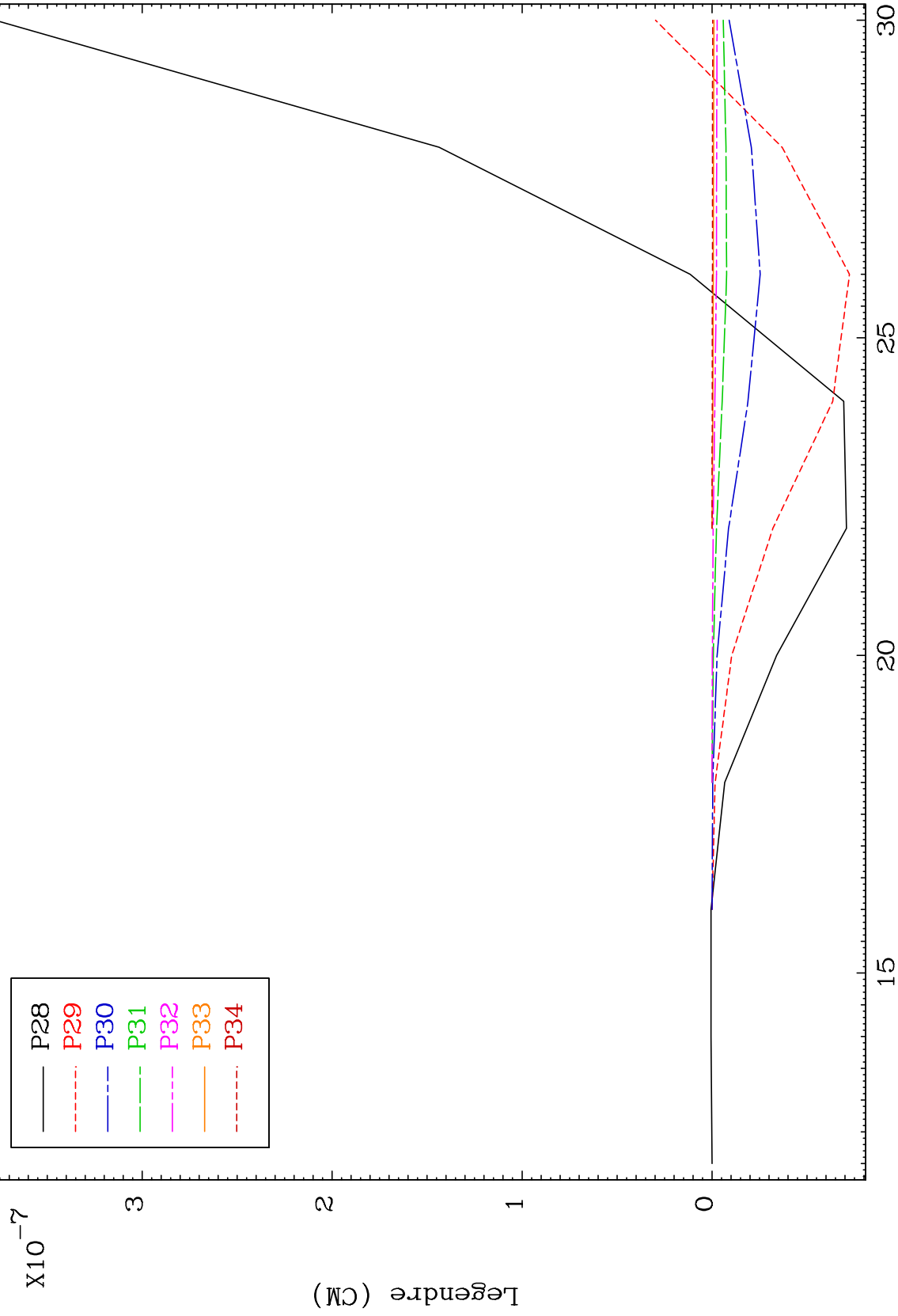
Incident Energy (MeV)

49-In-119

MAT 4943

Elastic Legendre Coefficients

49-In-119



19

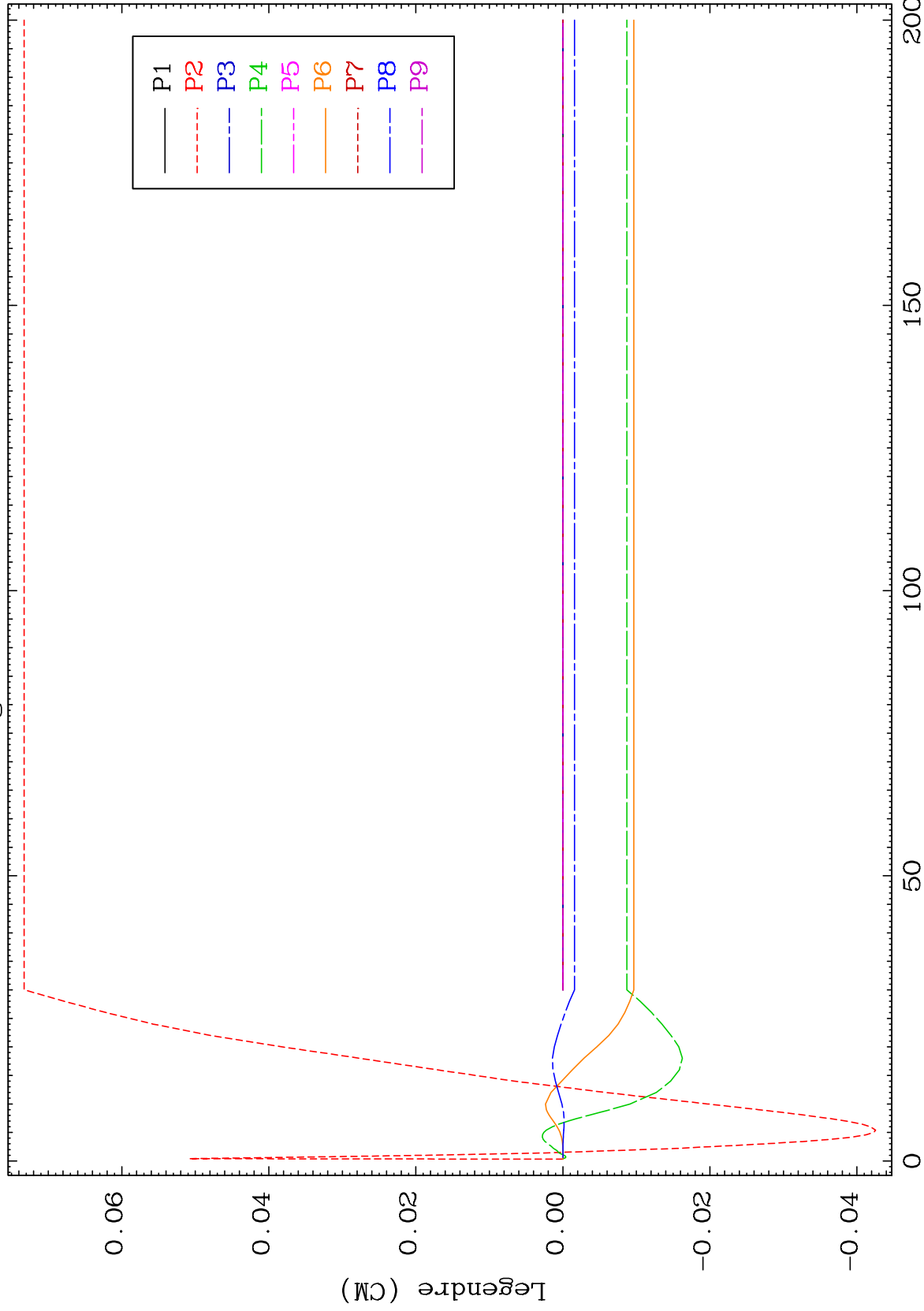
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



49-In-119

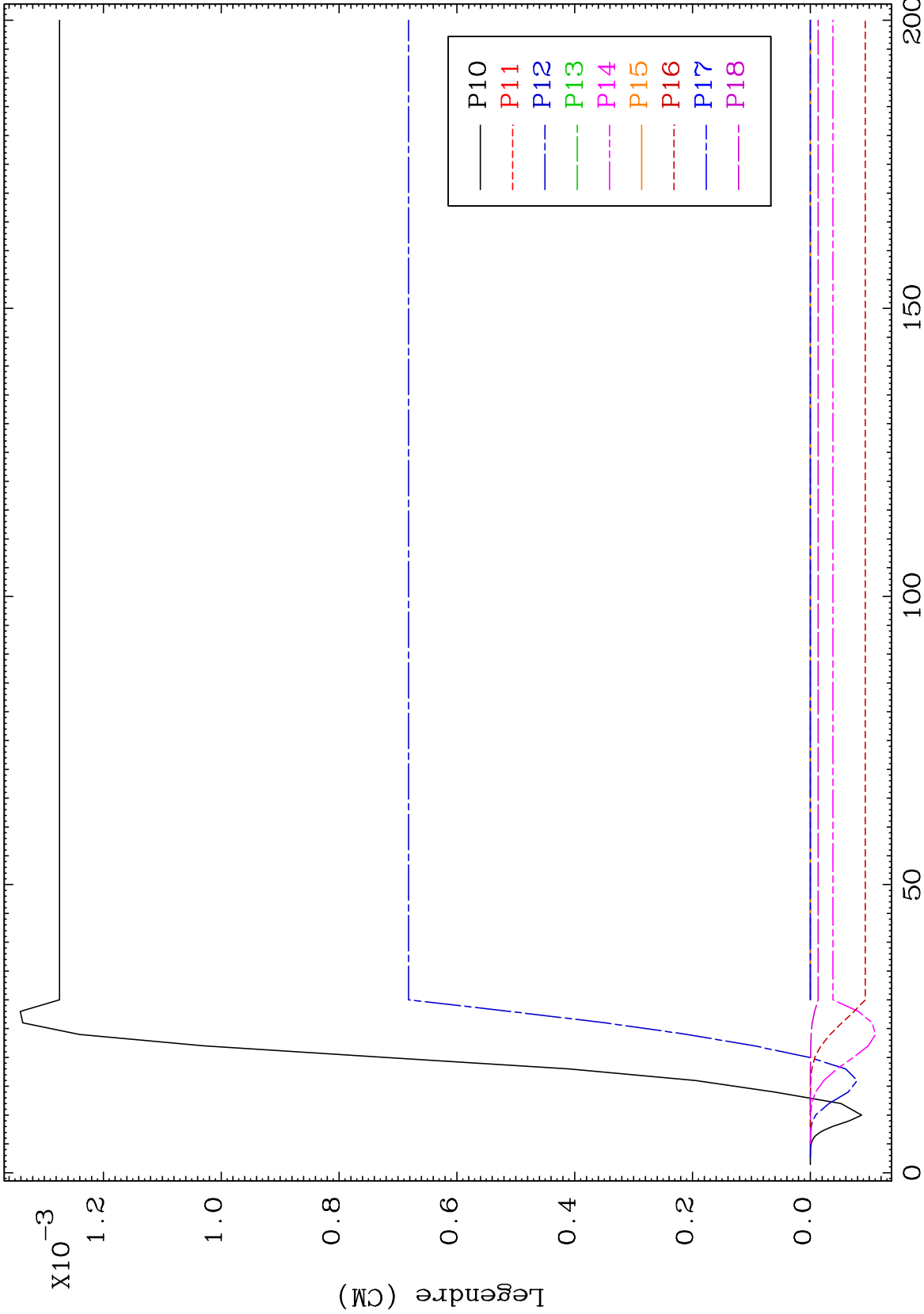
Incident Energy (MeV)

20

MAT 4943

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

49-In-119



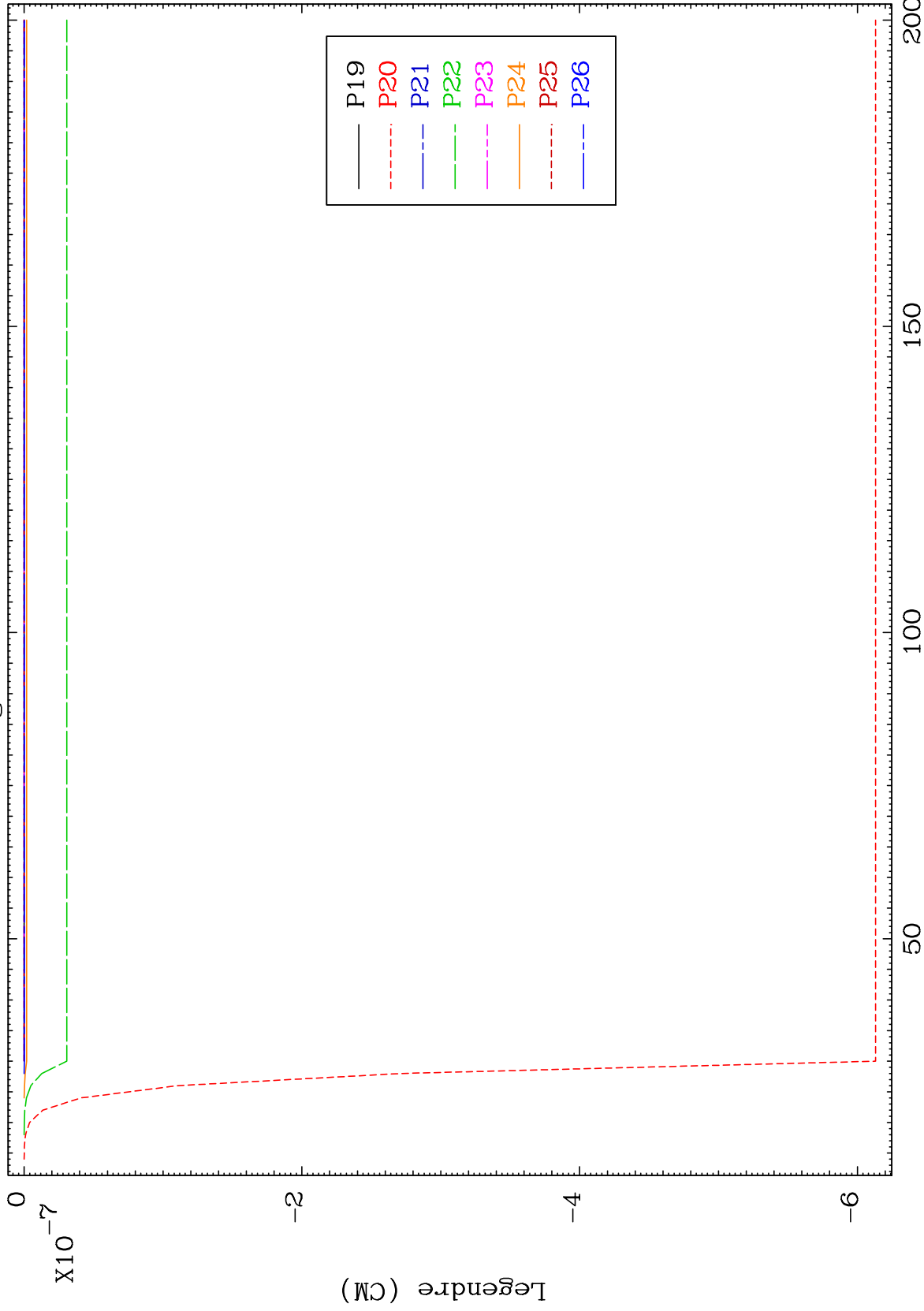
21

49-In-119

MAT 4943

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

49-In-119



22

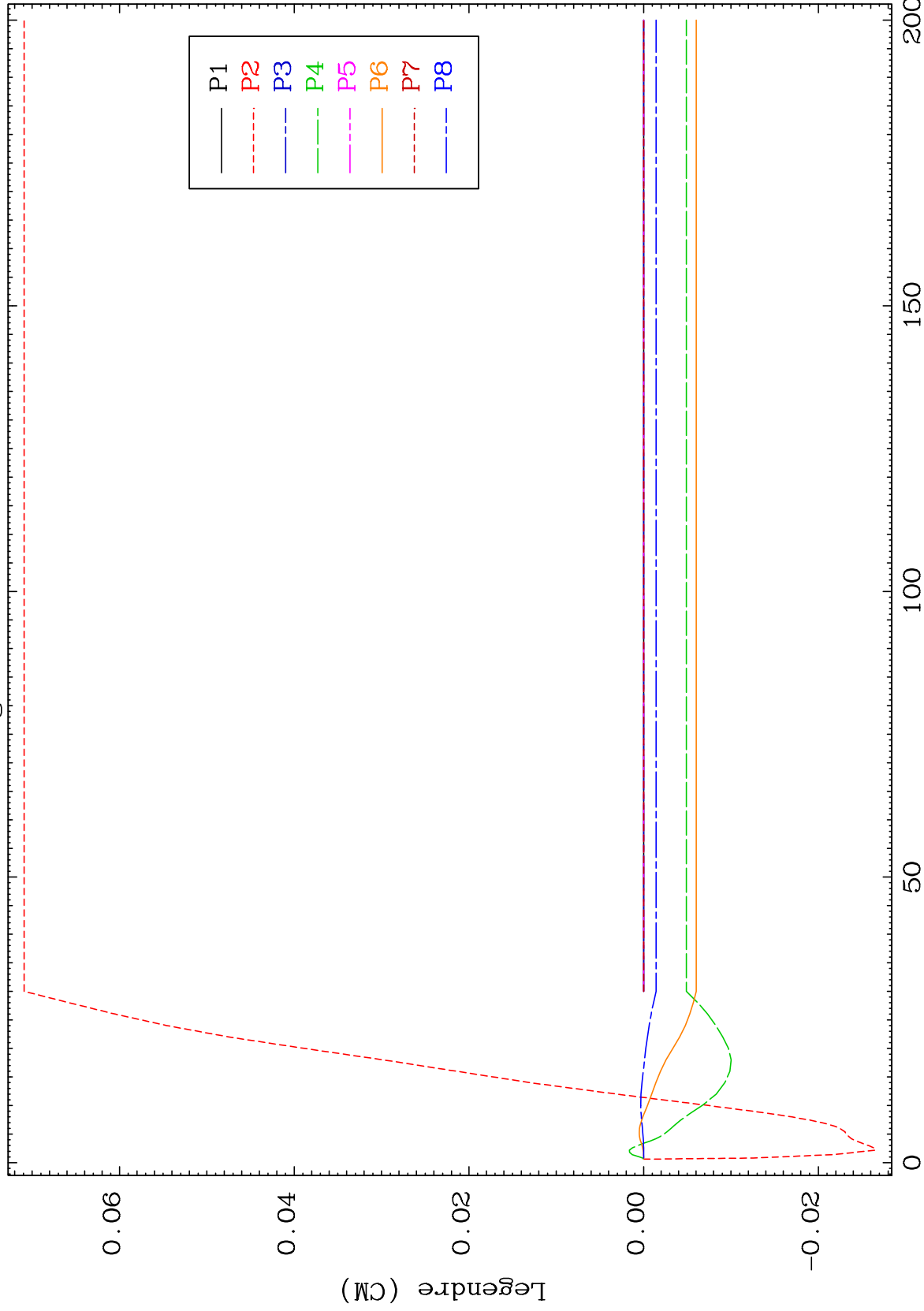
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



23

Incident Energy (MeV)

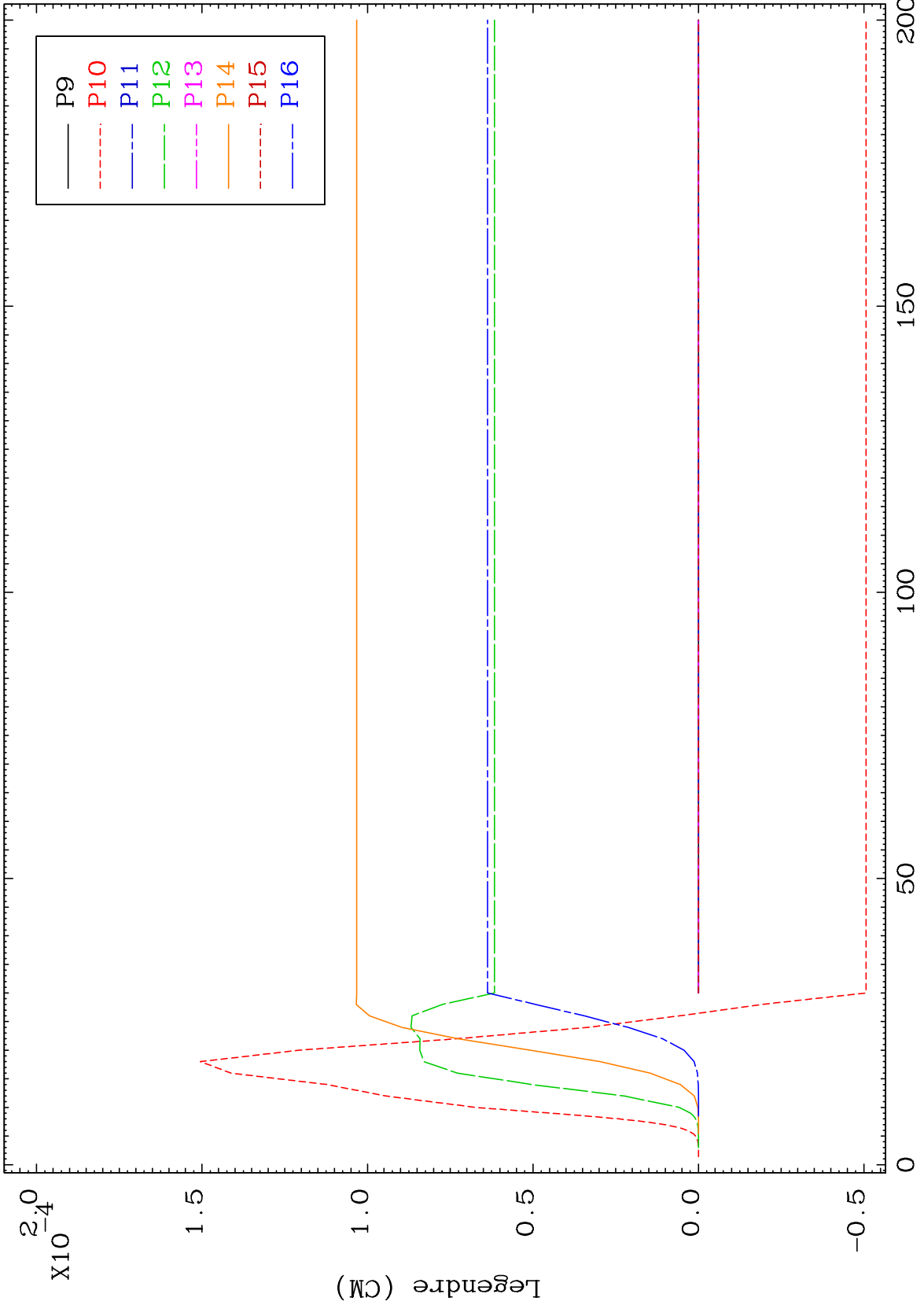
49-In-119



MAT 4943

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

49-In-119



24

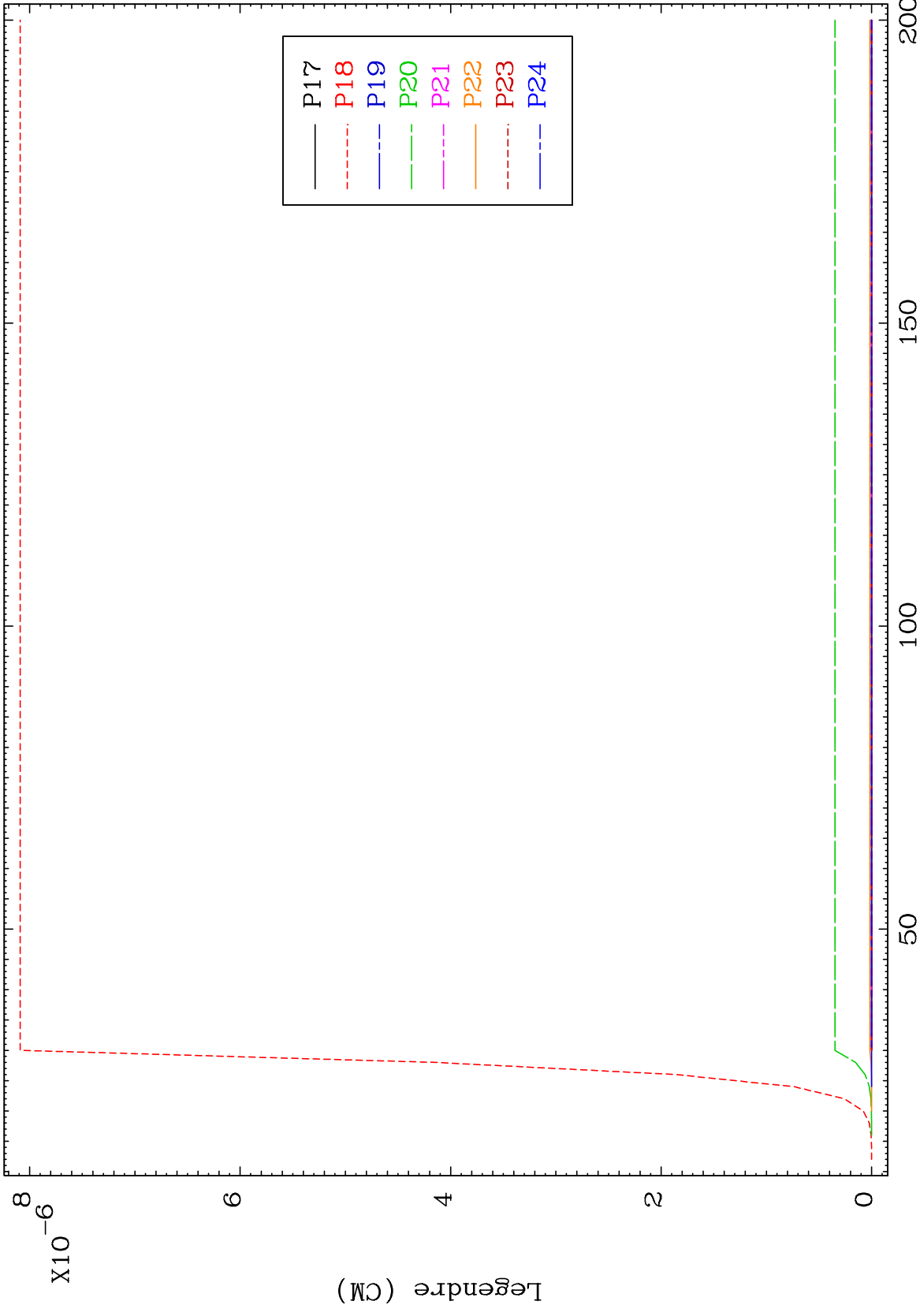
49-In-119

MAT 4943

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

49-In-119

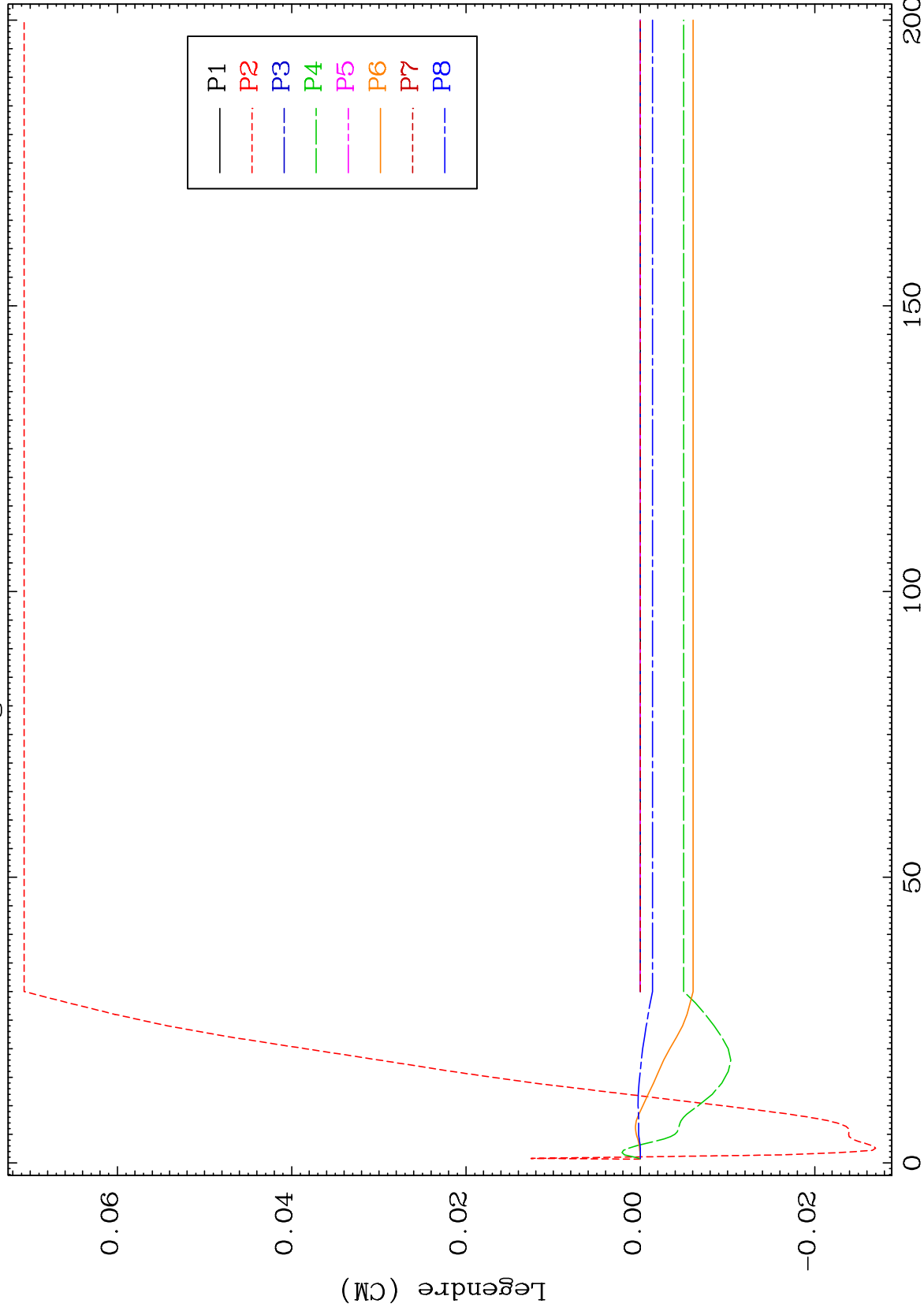
49-In-119



MAT 4943

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

49-In-119



26

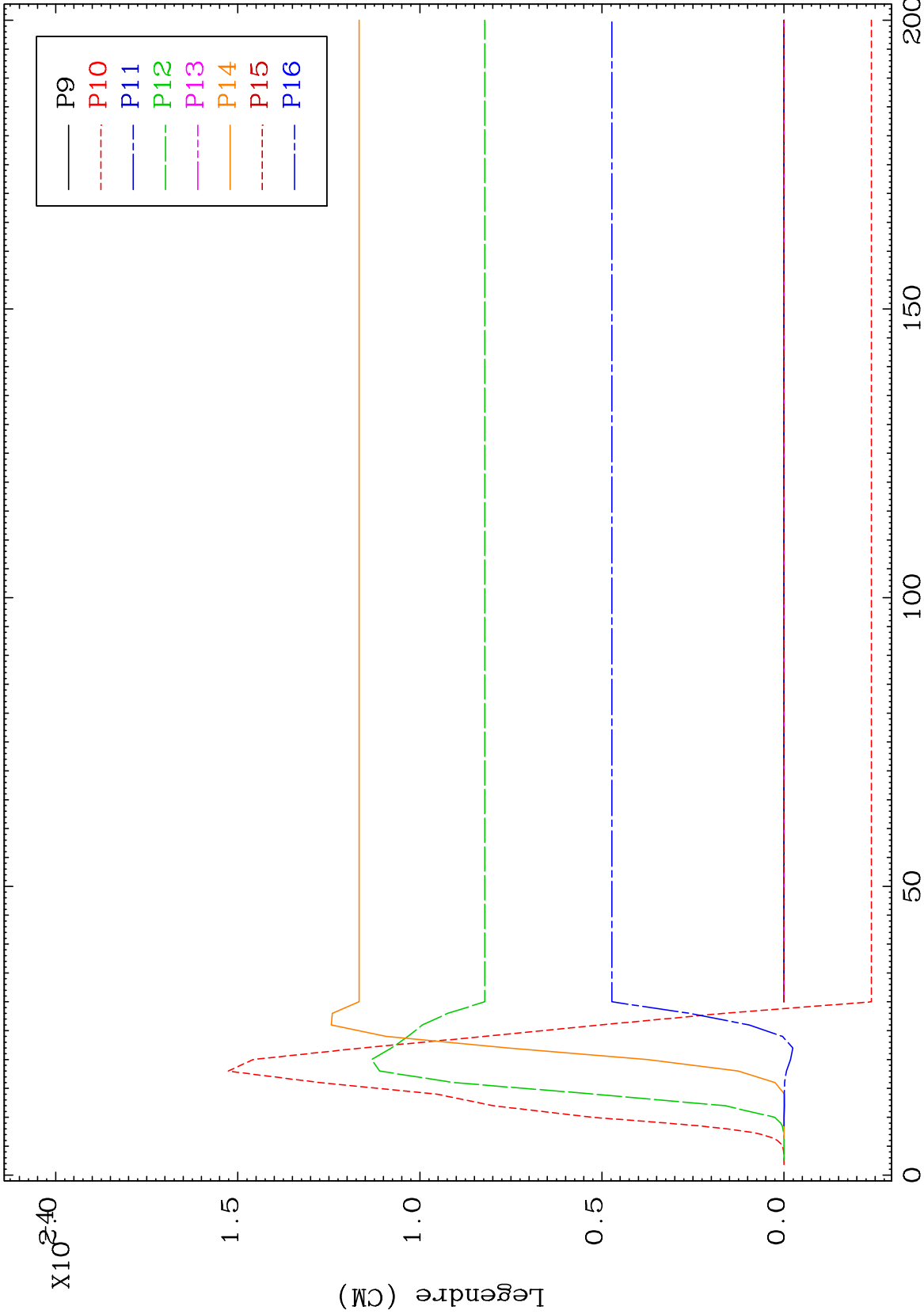
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



27

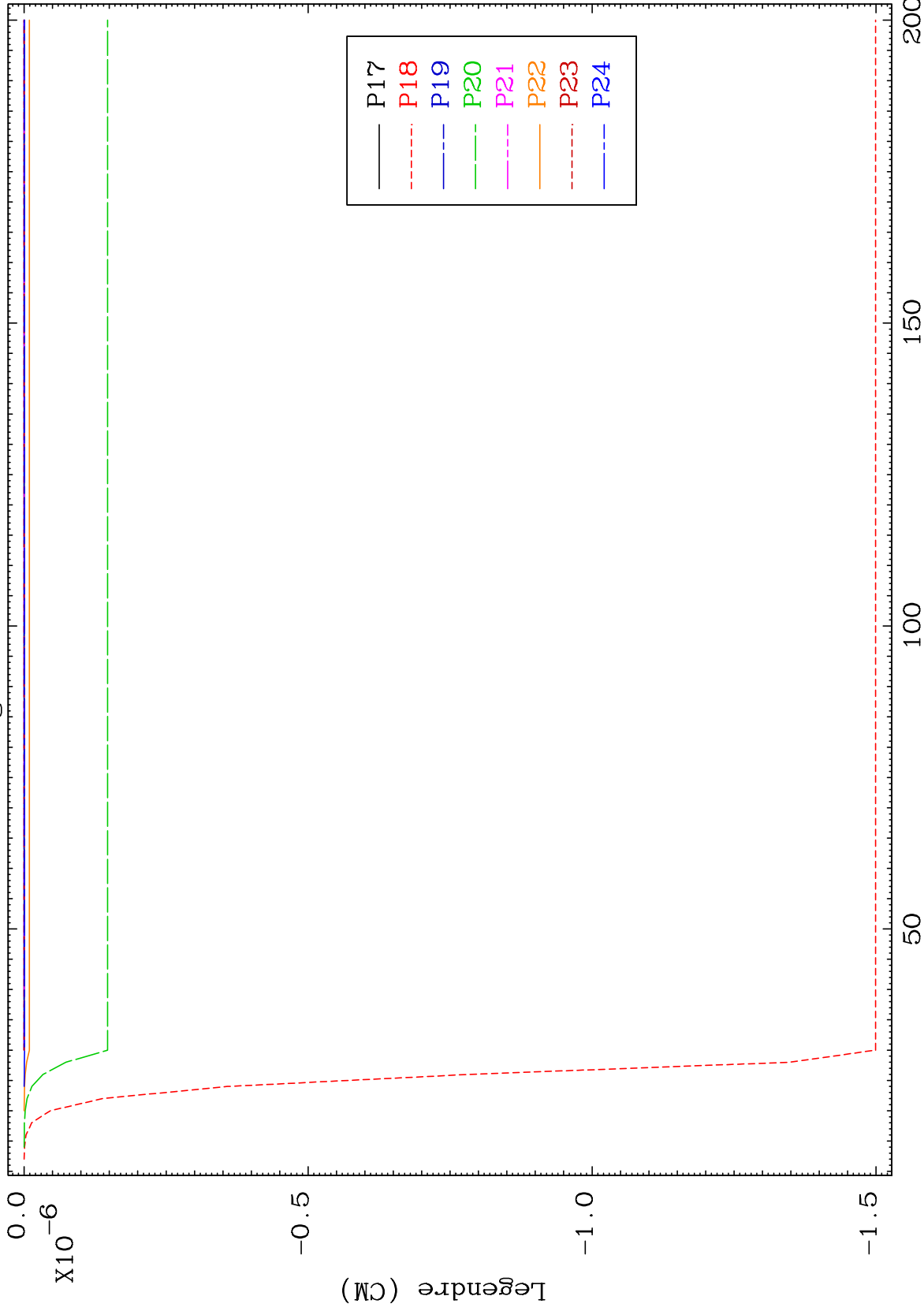
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



28

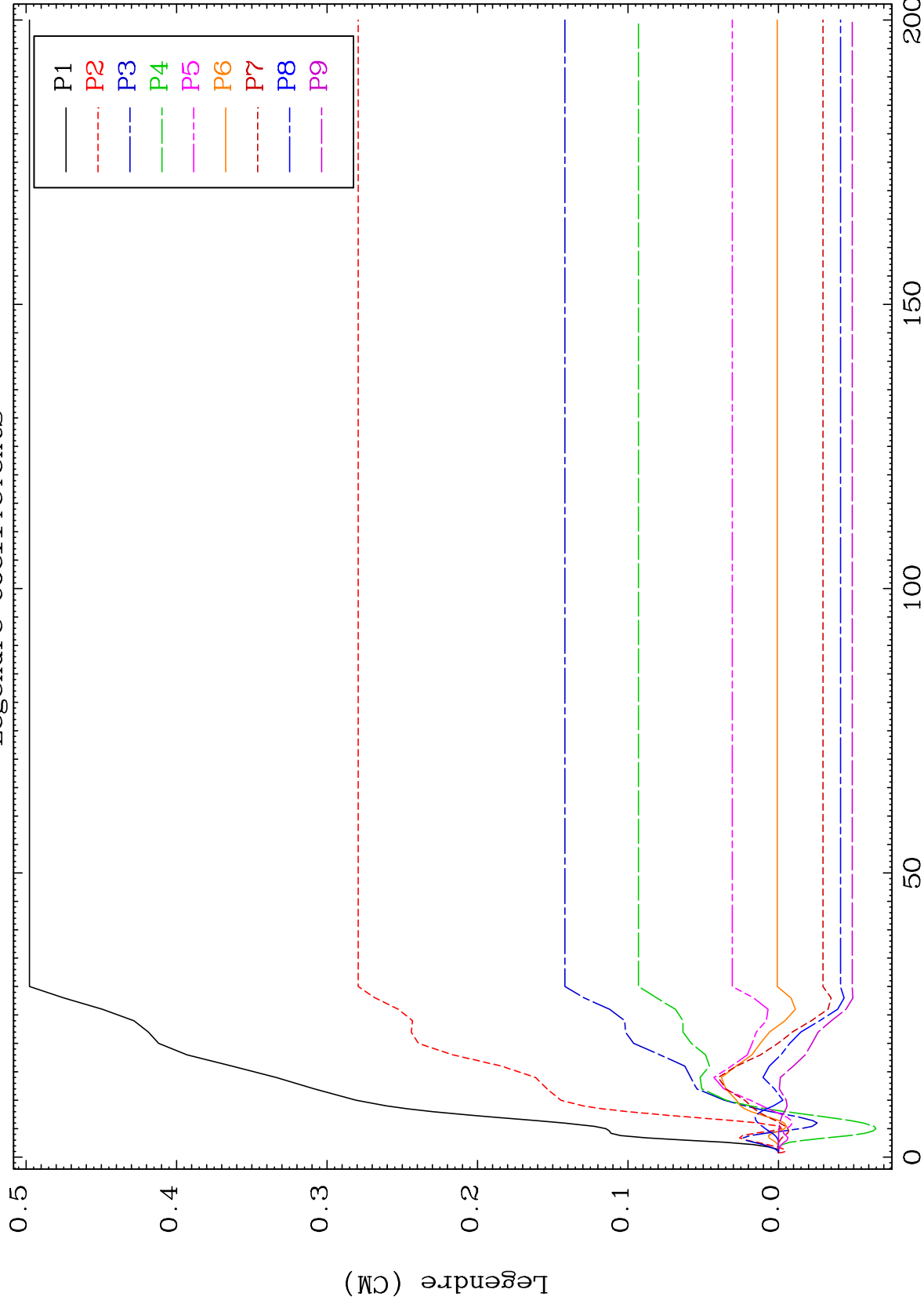
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



29

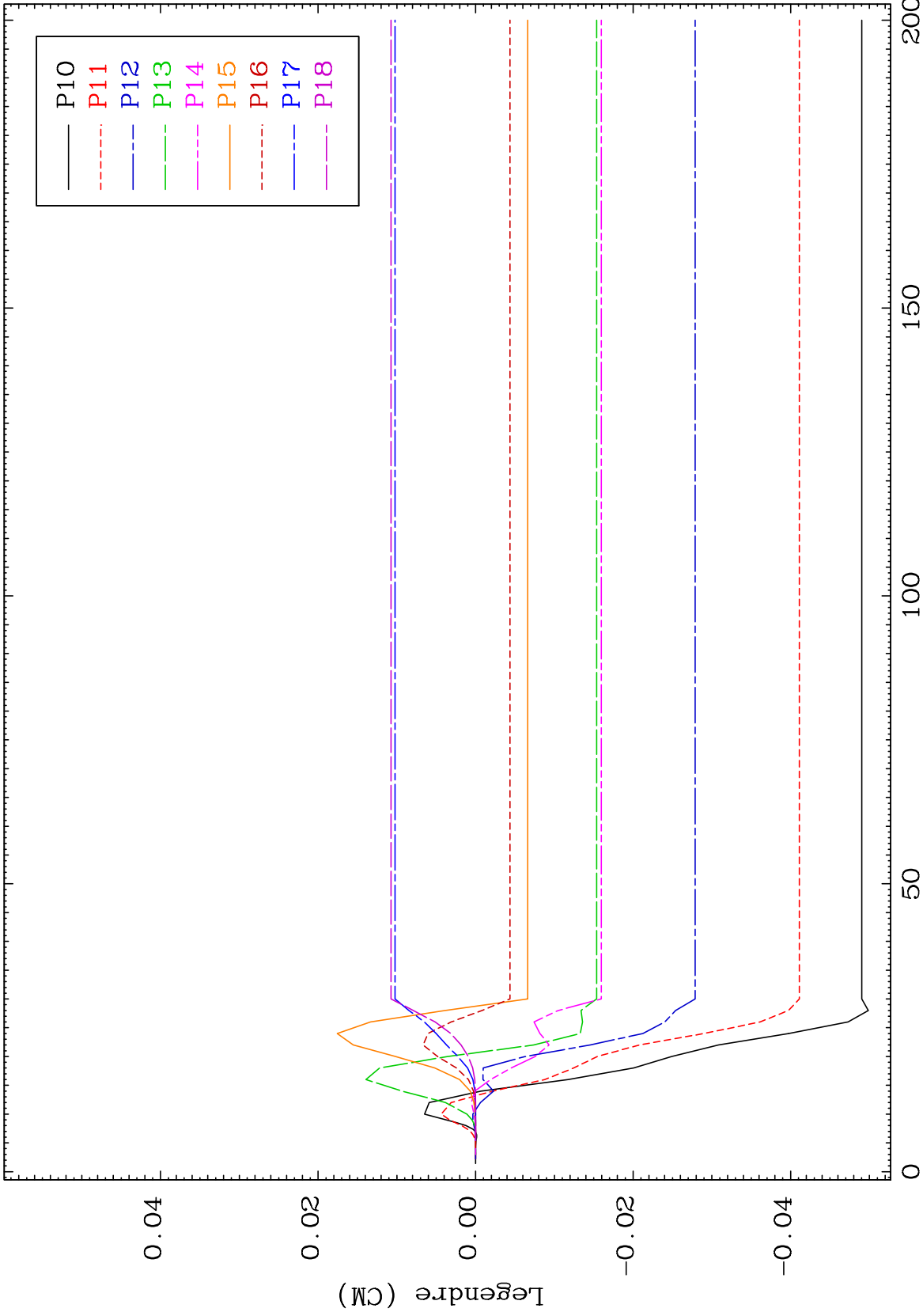
Incident Energy (MeV)

49-In-119

MAT 4943

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

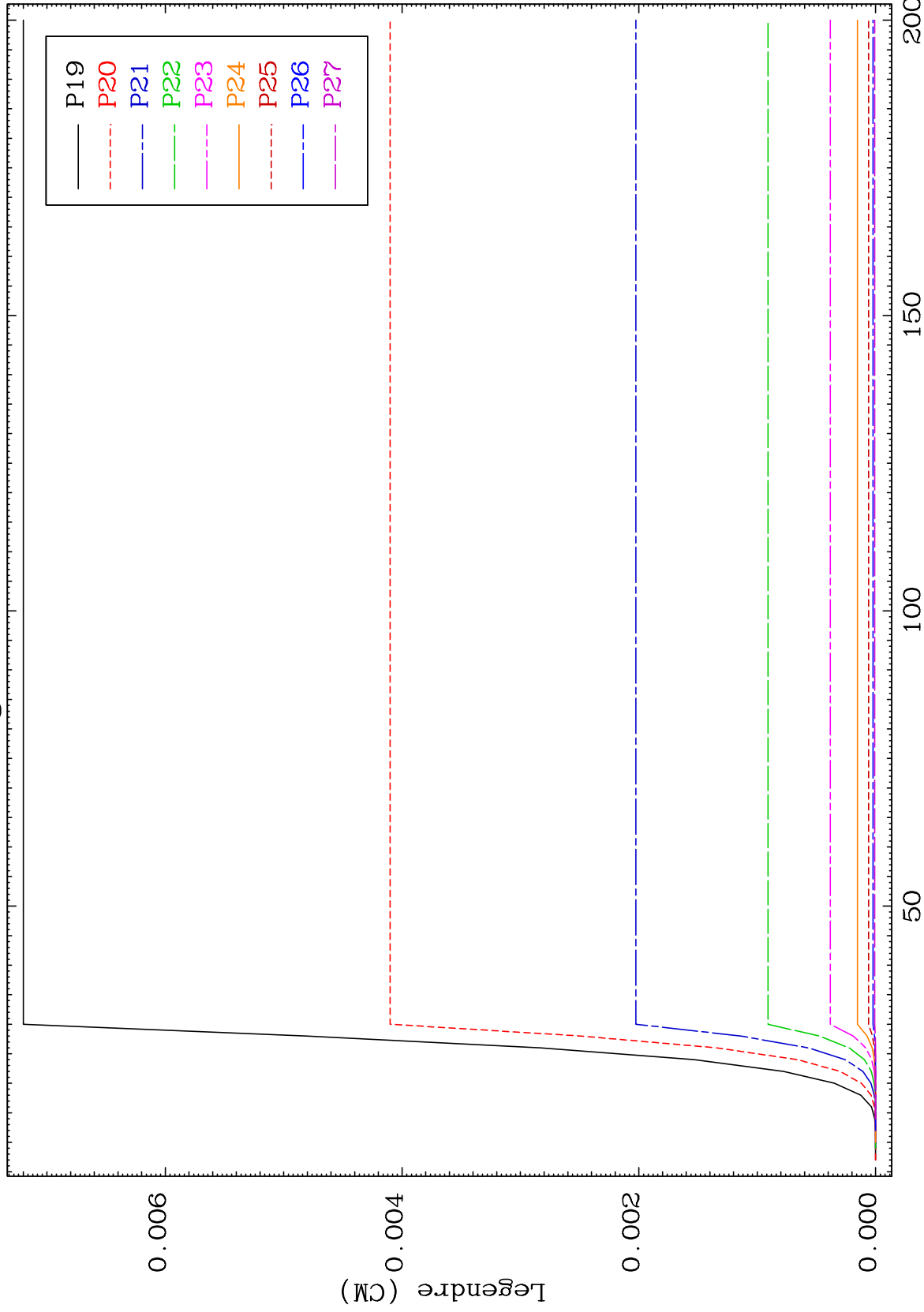
49-In-119



30

Incident Energy (MeV)

49-In-119

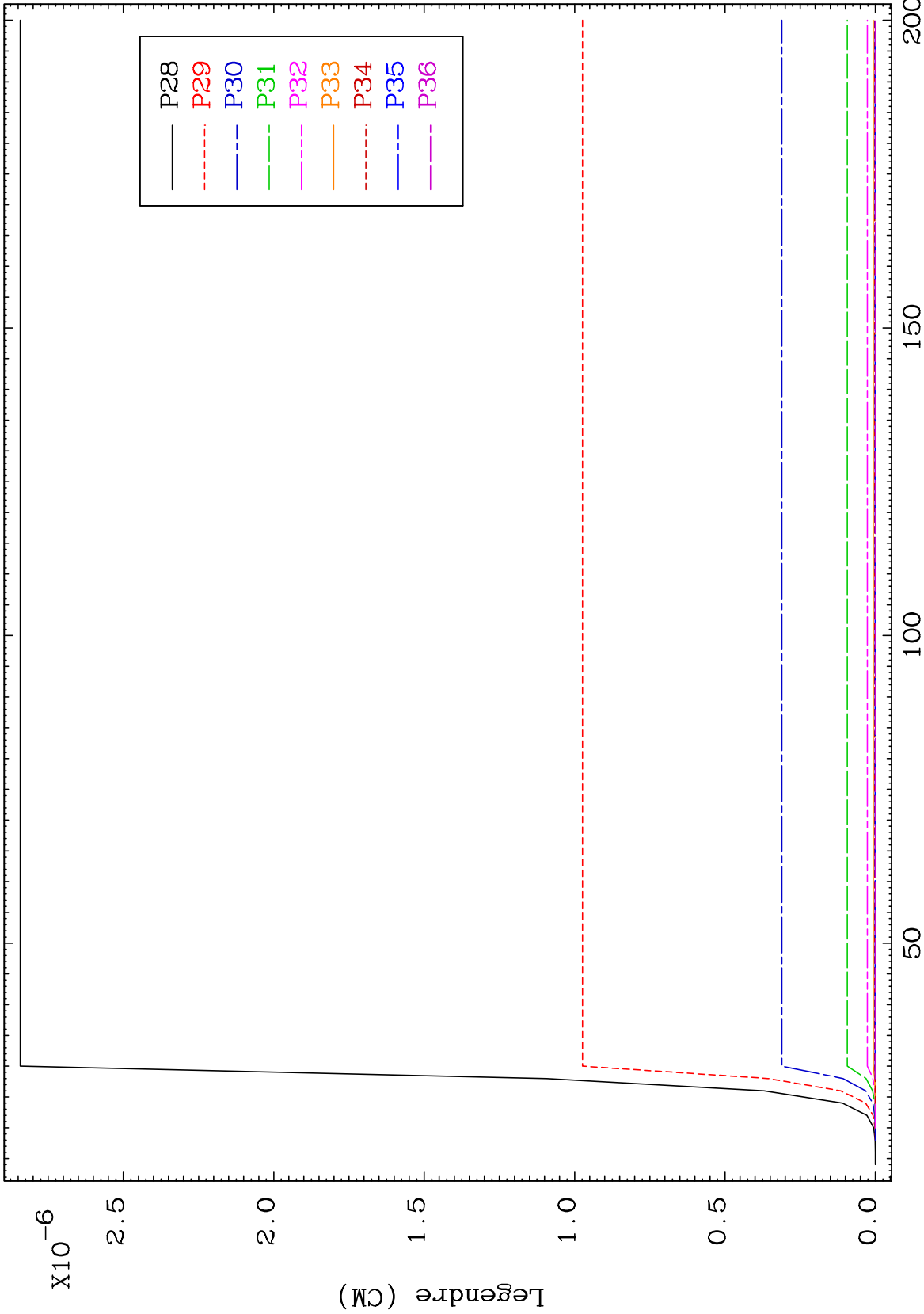




MAT 4943

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

49-In-119



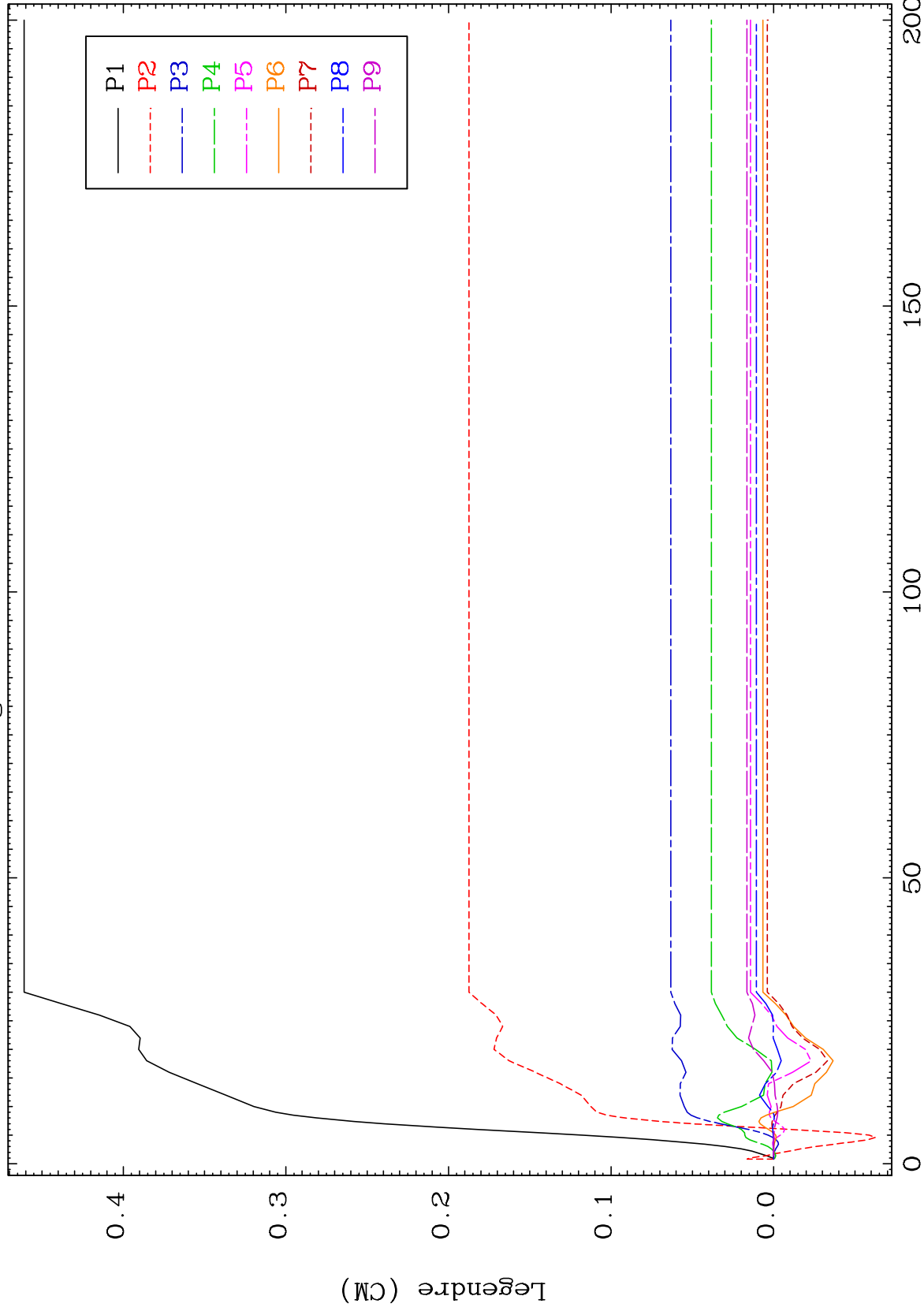
32

49-In-119

MAT 4943

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

49-In-119



33

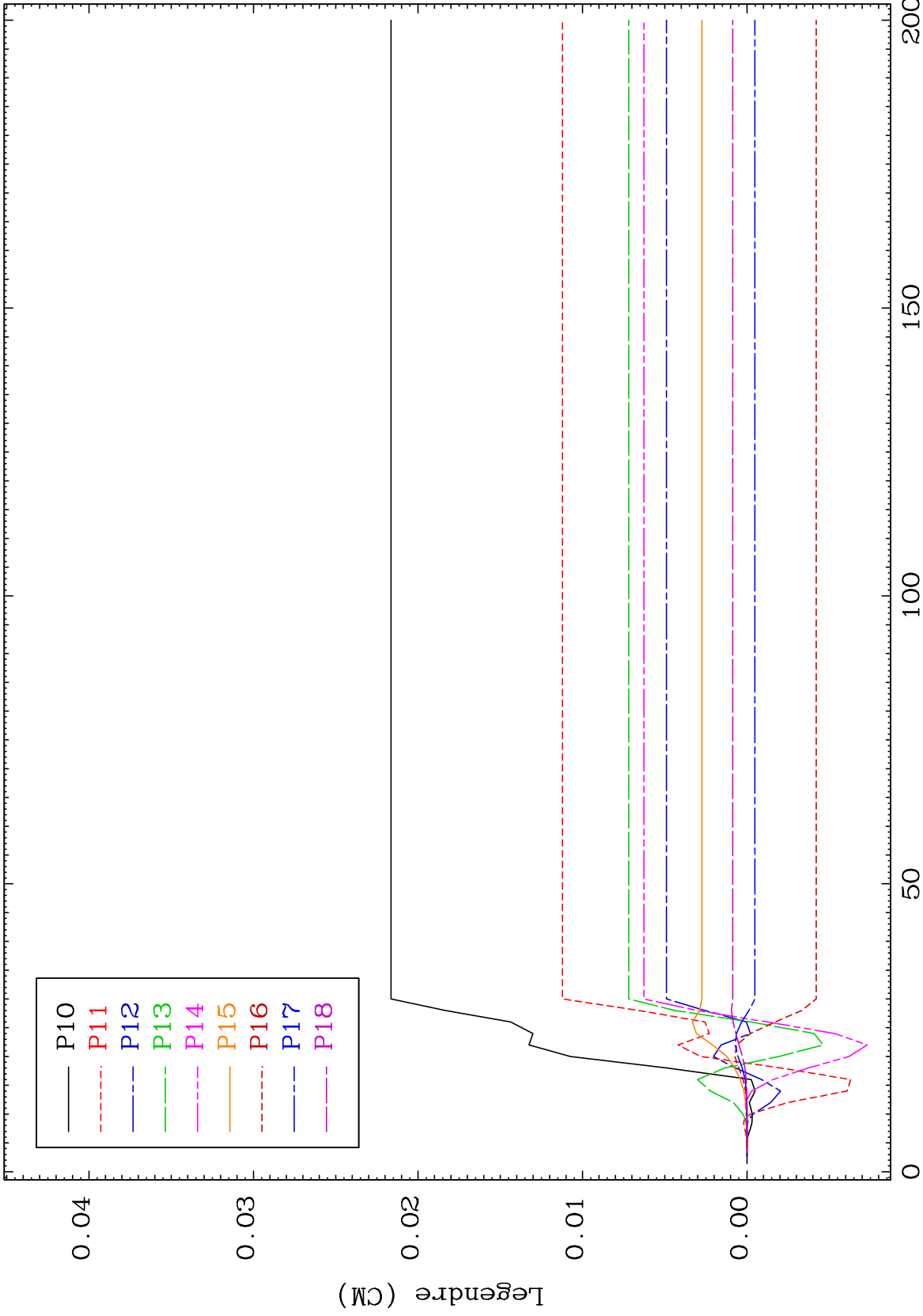
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



34

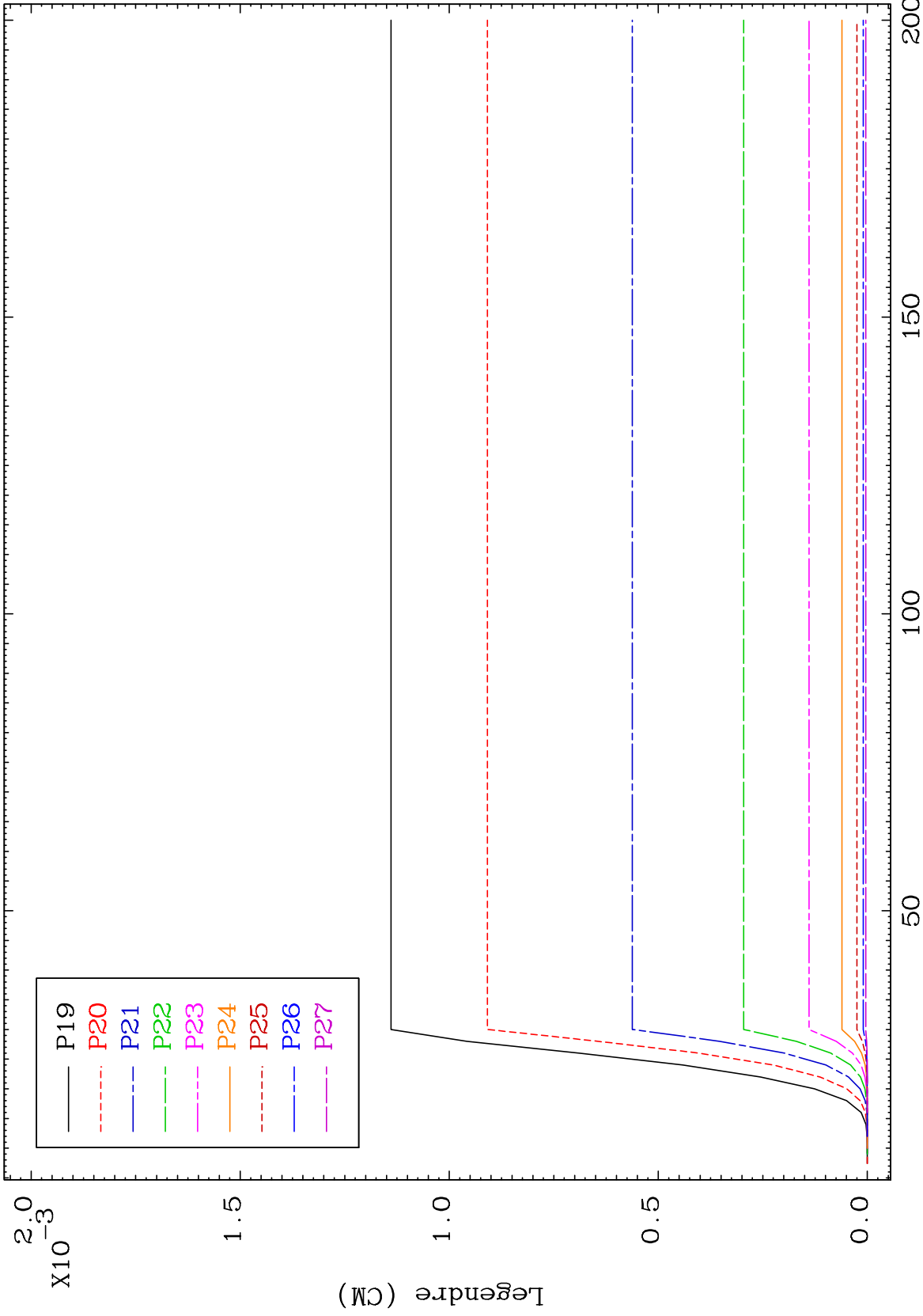
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



35

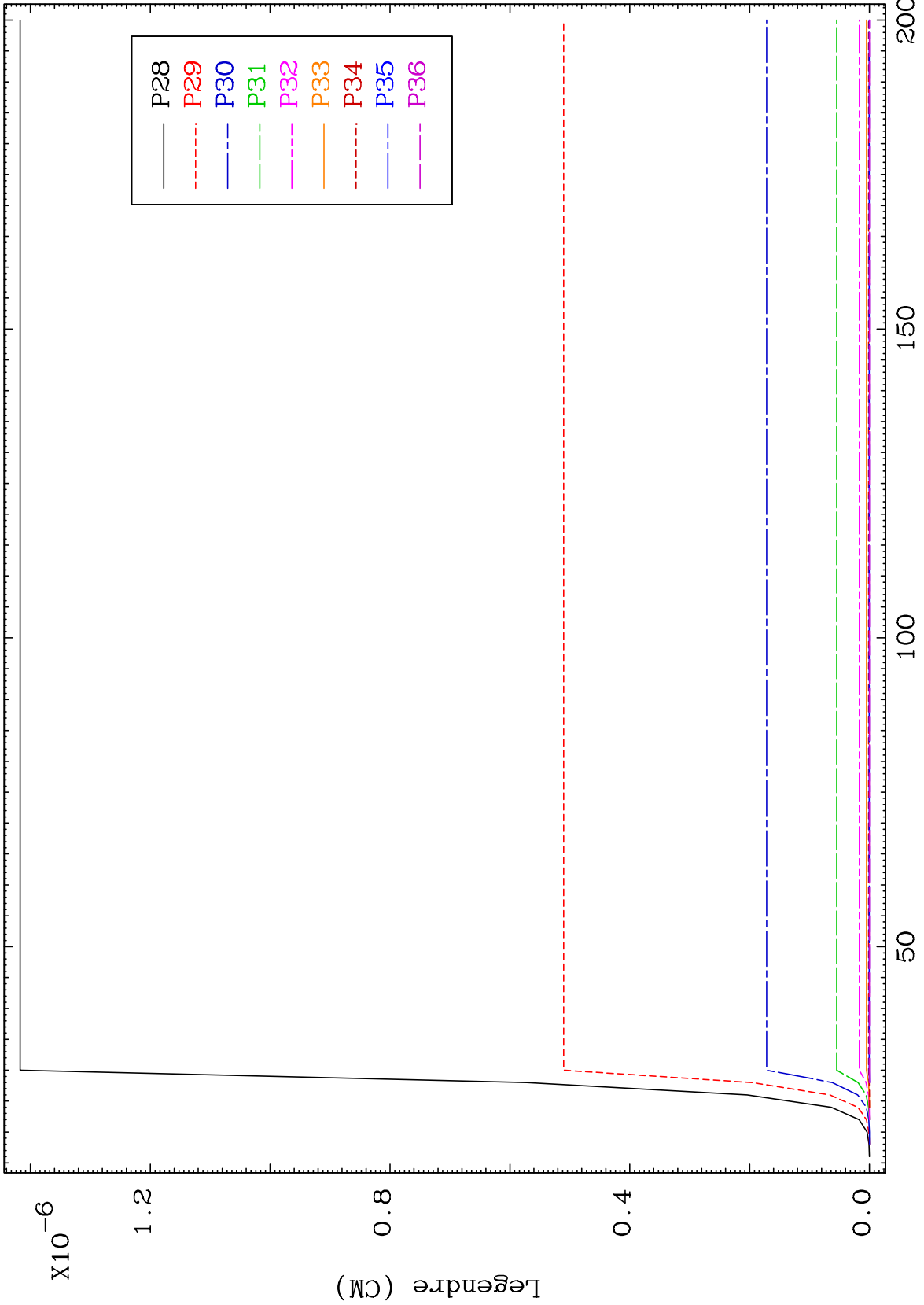
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



36

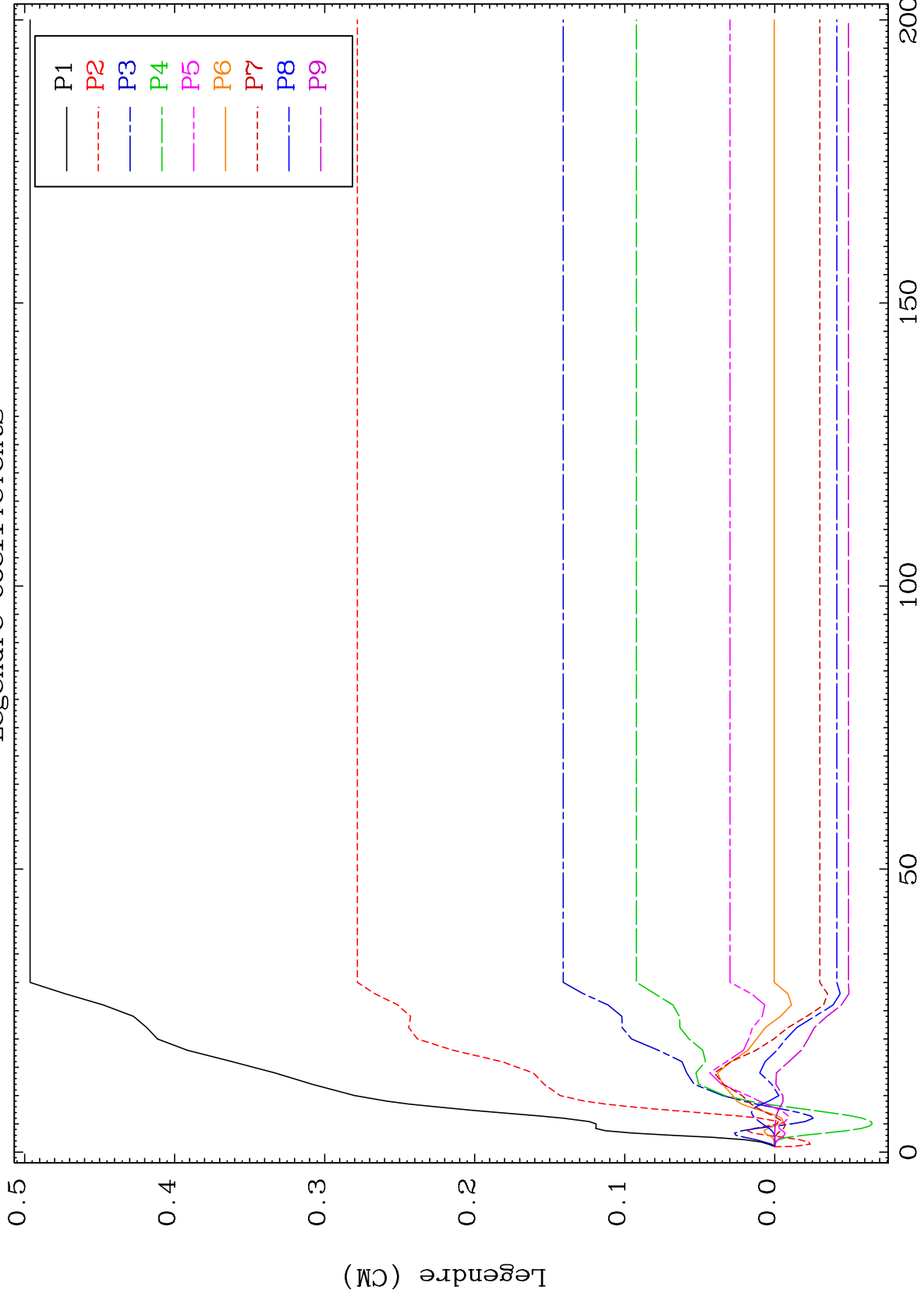
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



37

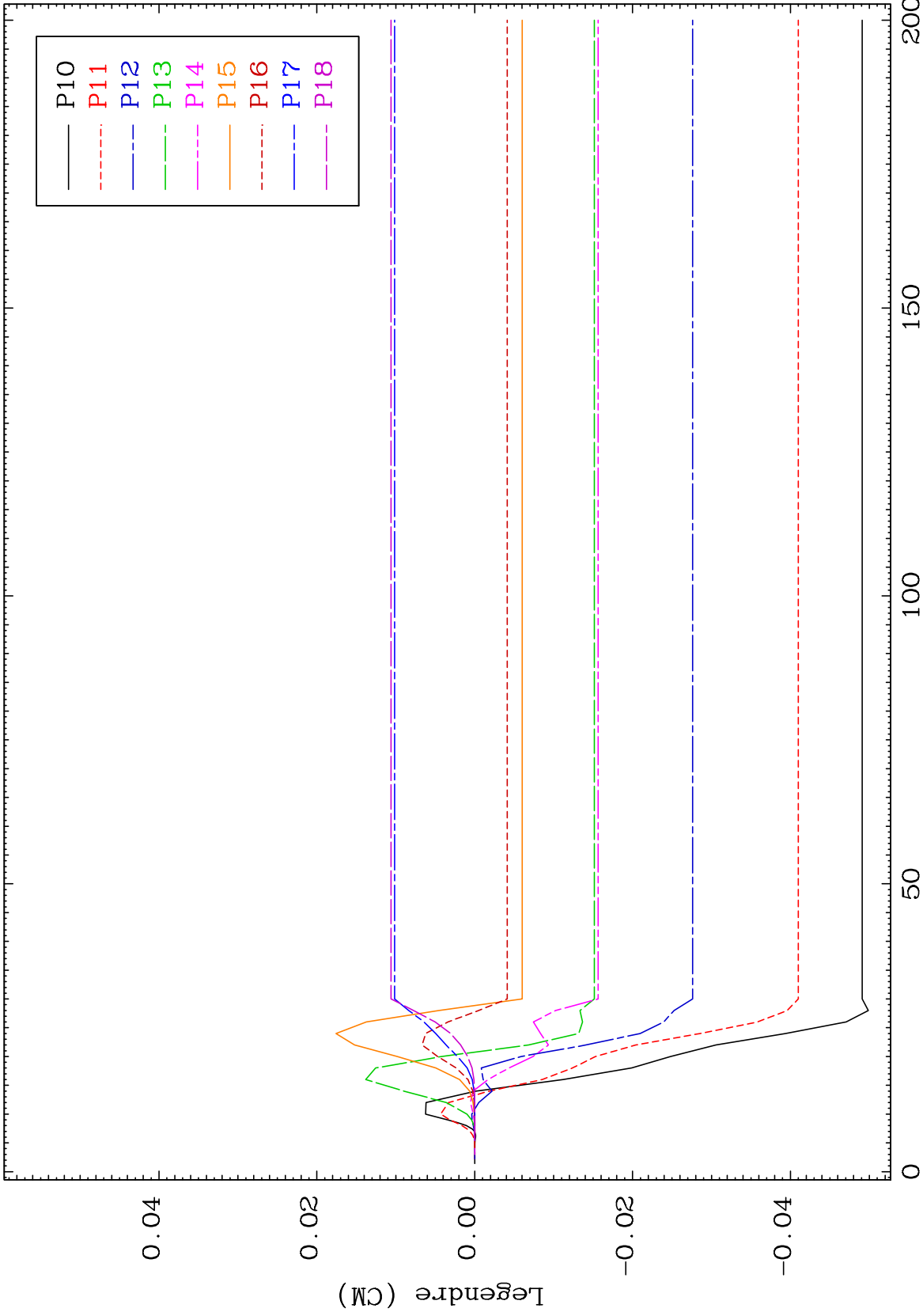
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



38

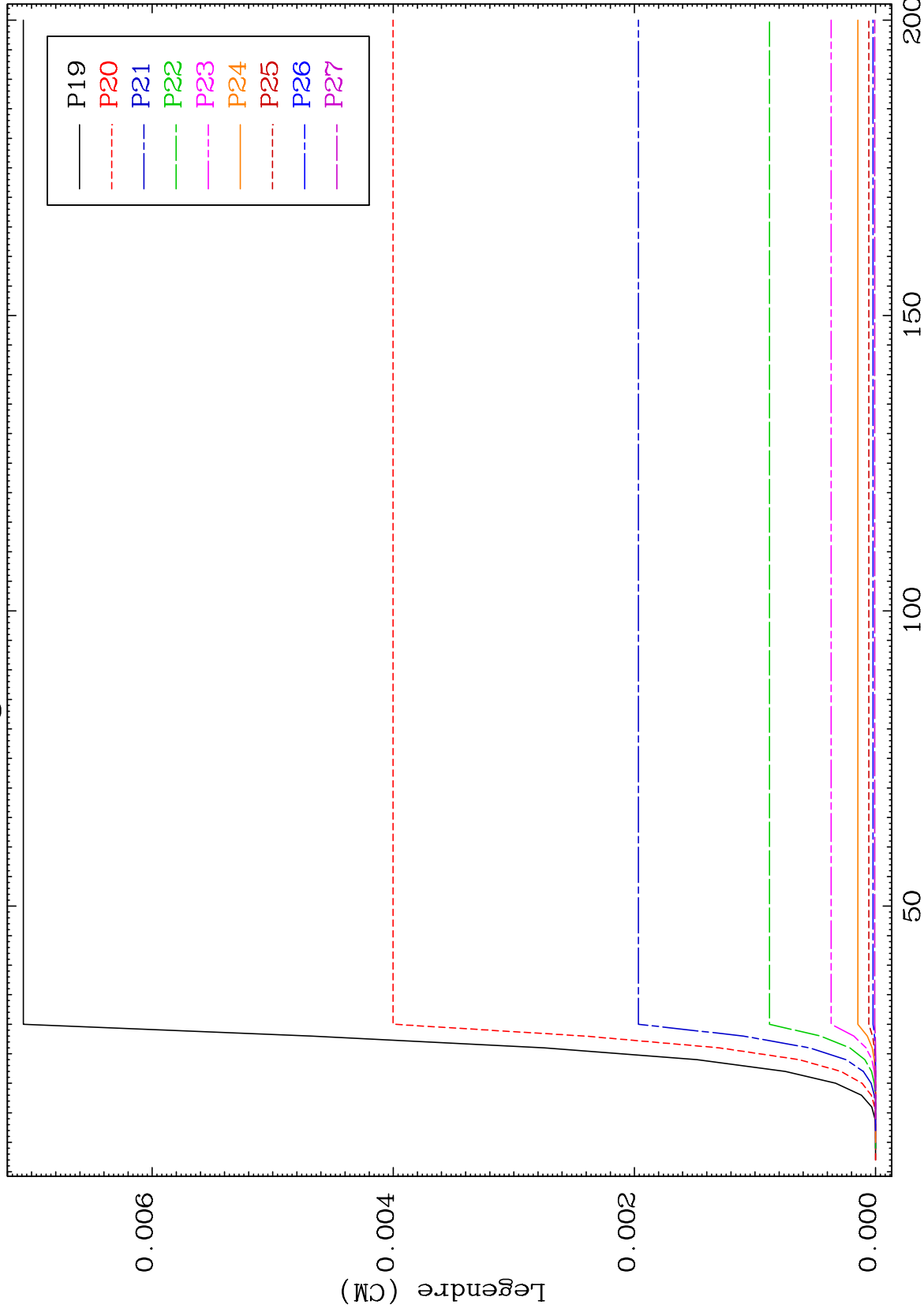
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



39

Incident Energy (MeV)

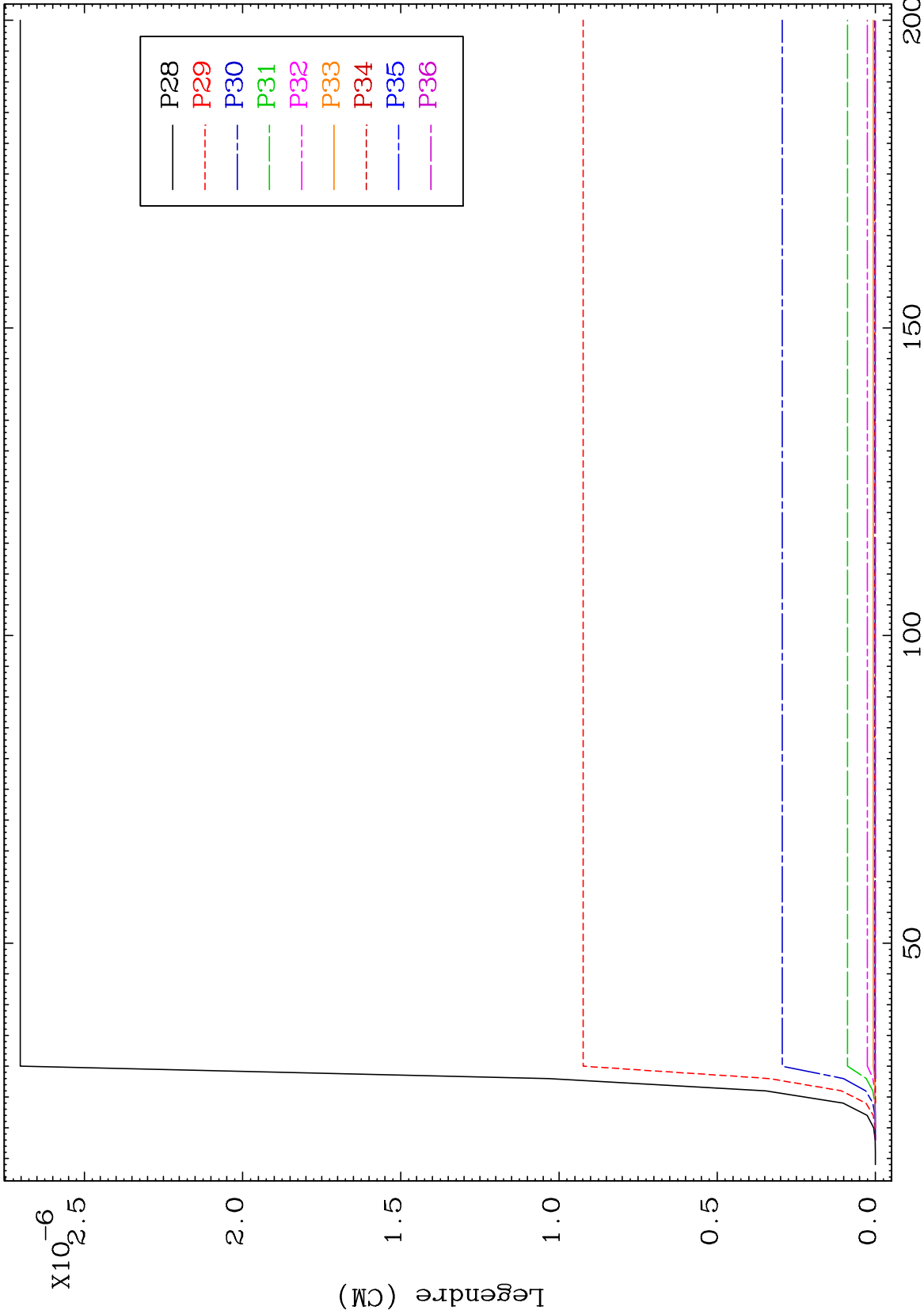
49-In-119



MAT 4943

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

49-In-119



40

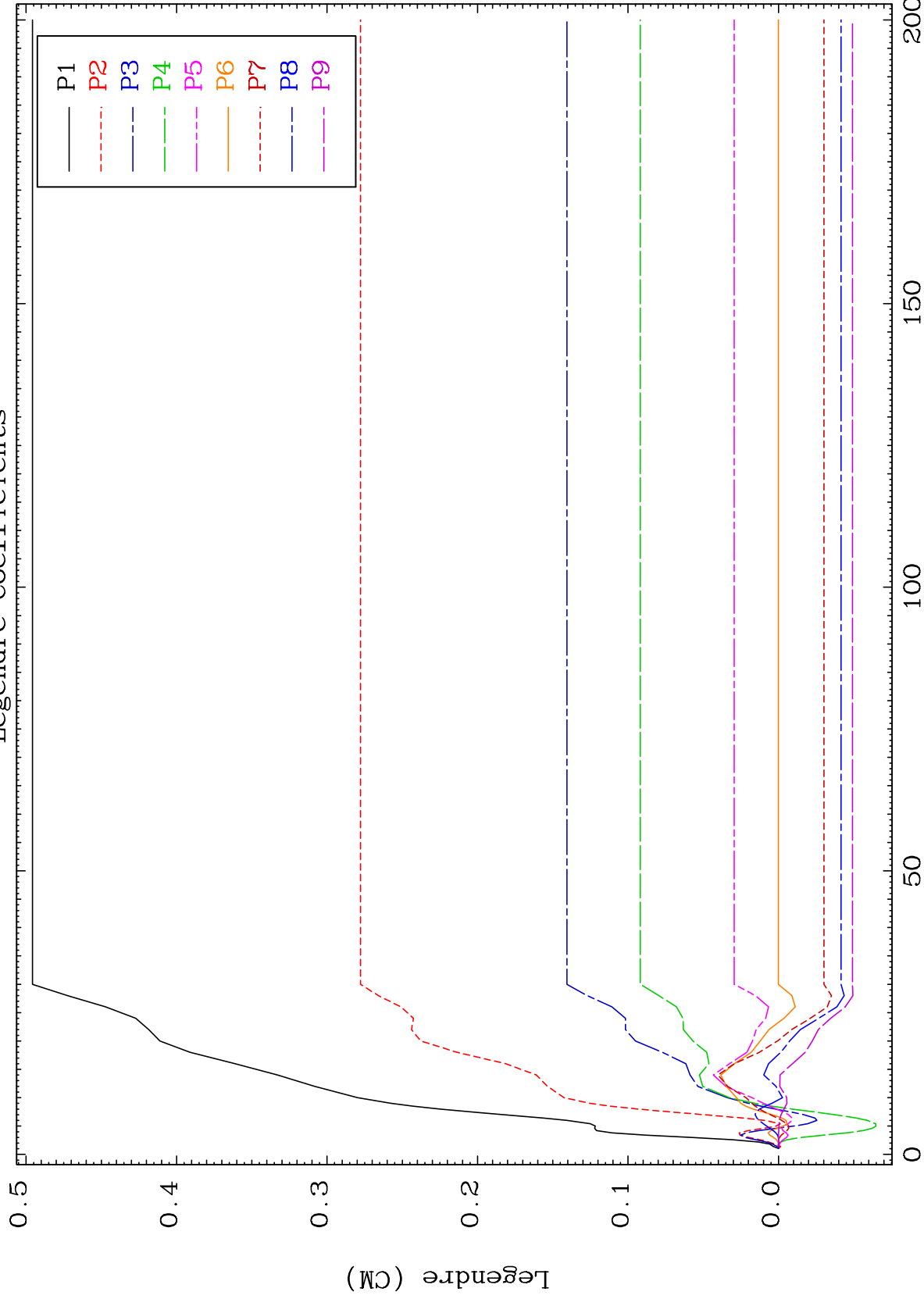
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



41

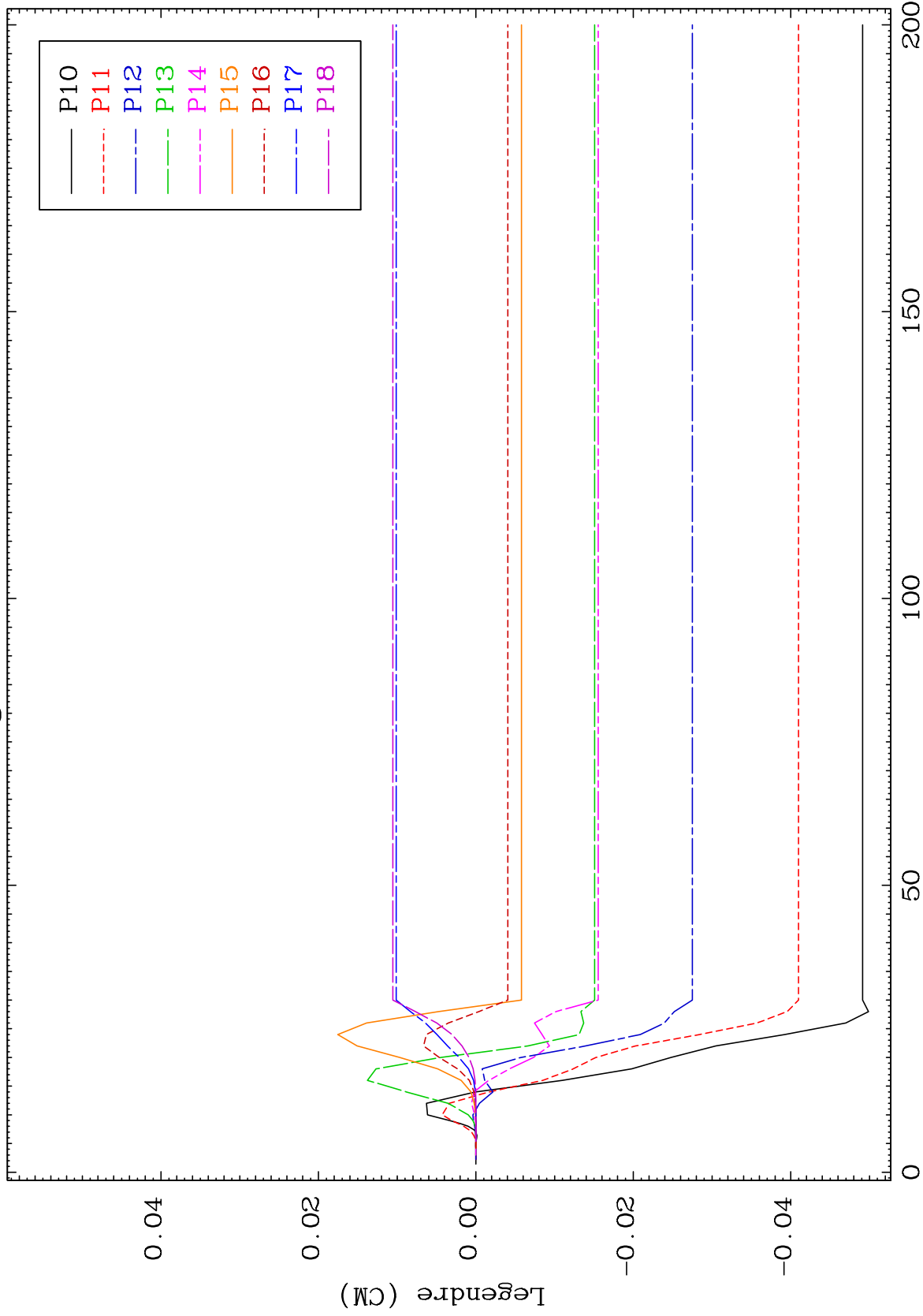
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



42

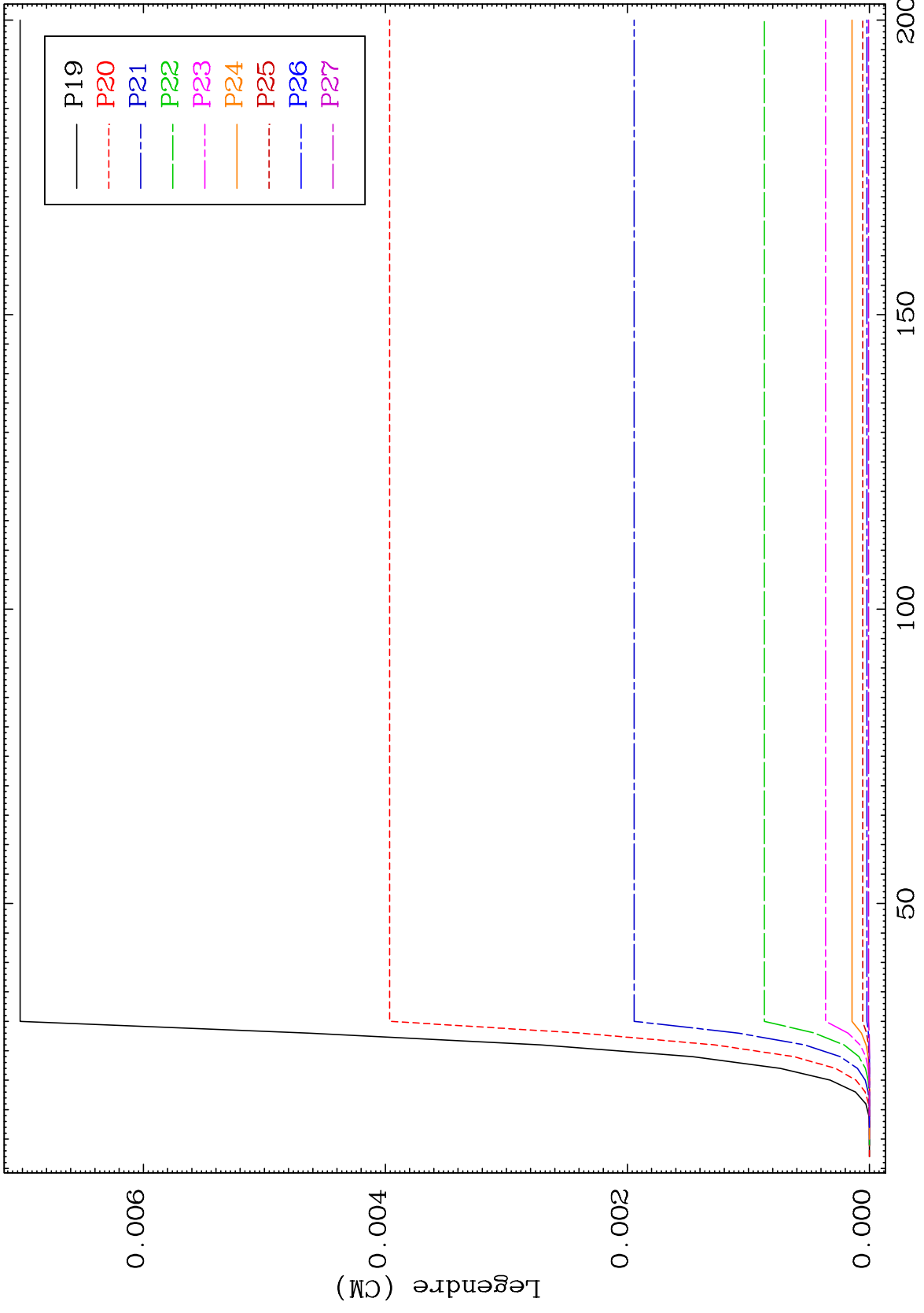
Incident Energy (MeV)

49-In-119

MAT 4943

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

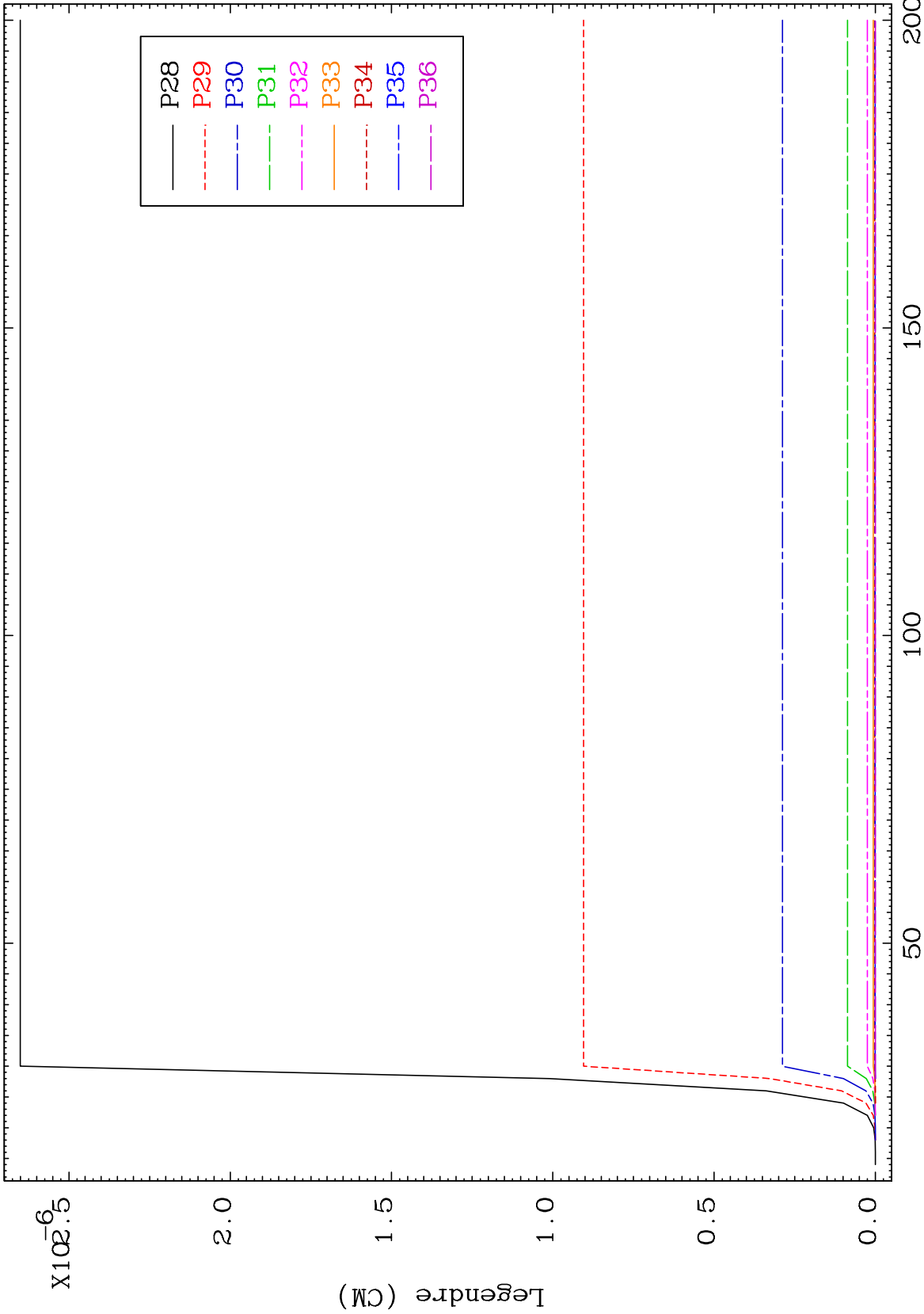
49-In-119



43

Incident Energy (MeV)

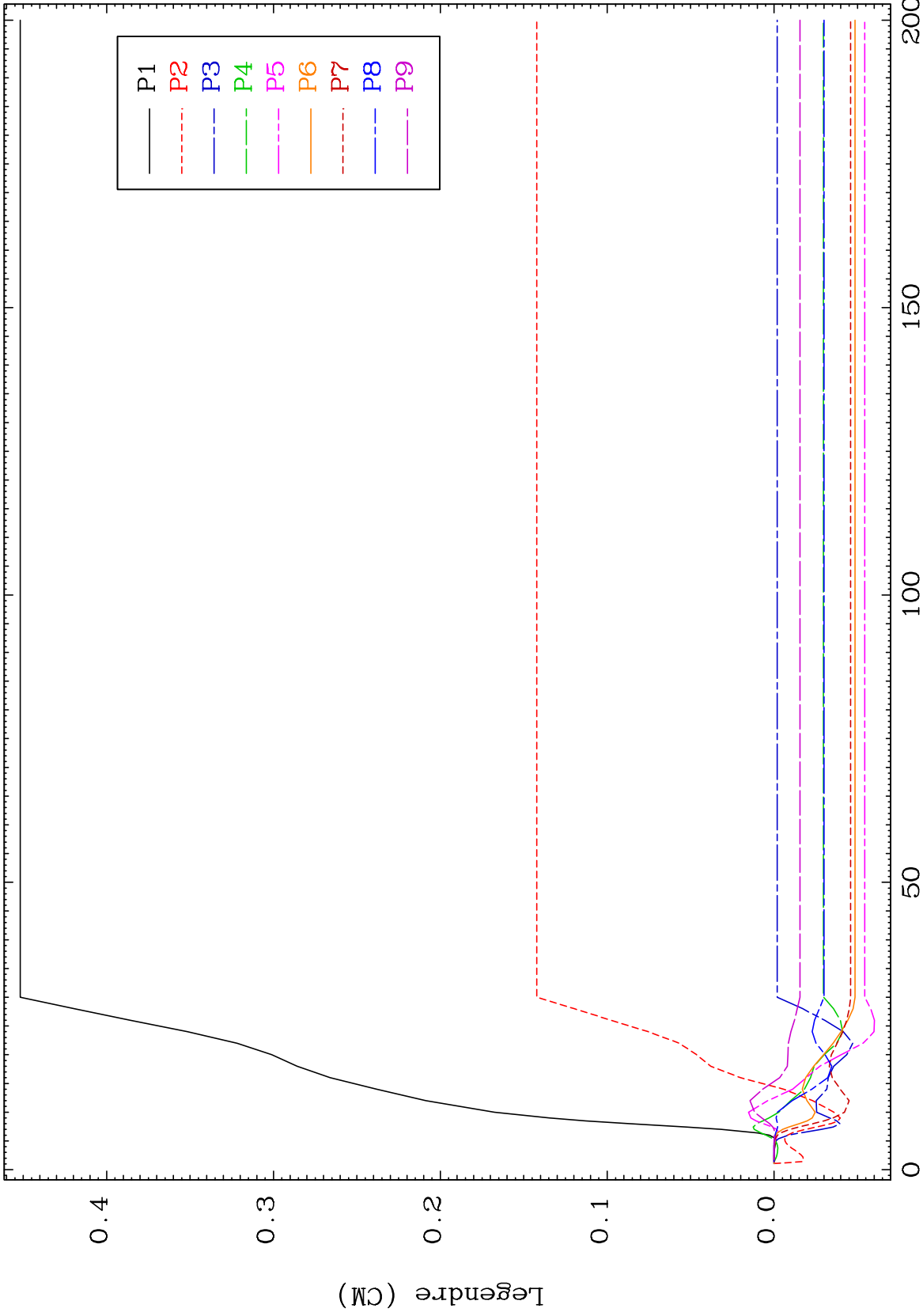
49-In-119



MAT 4943

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

49-In-119



45

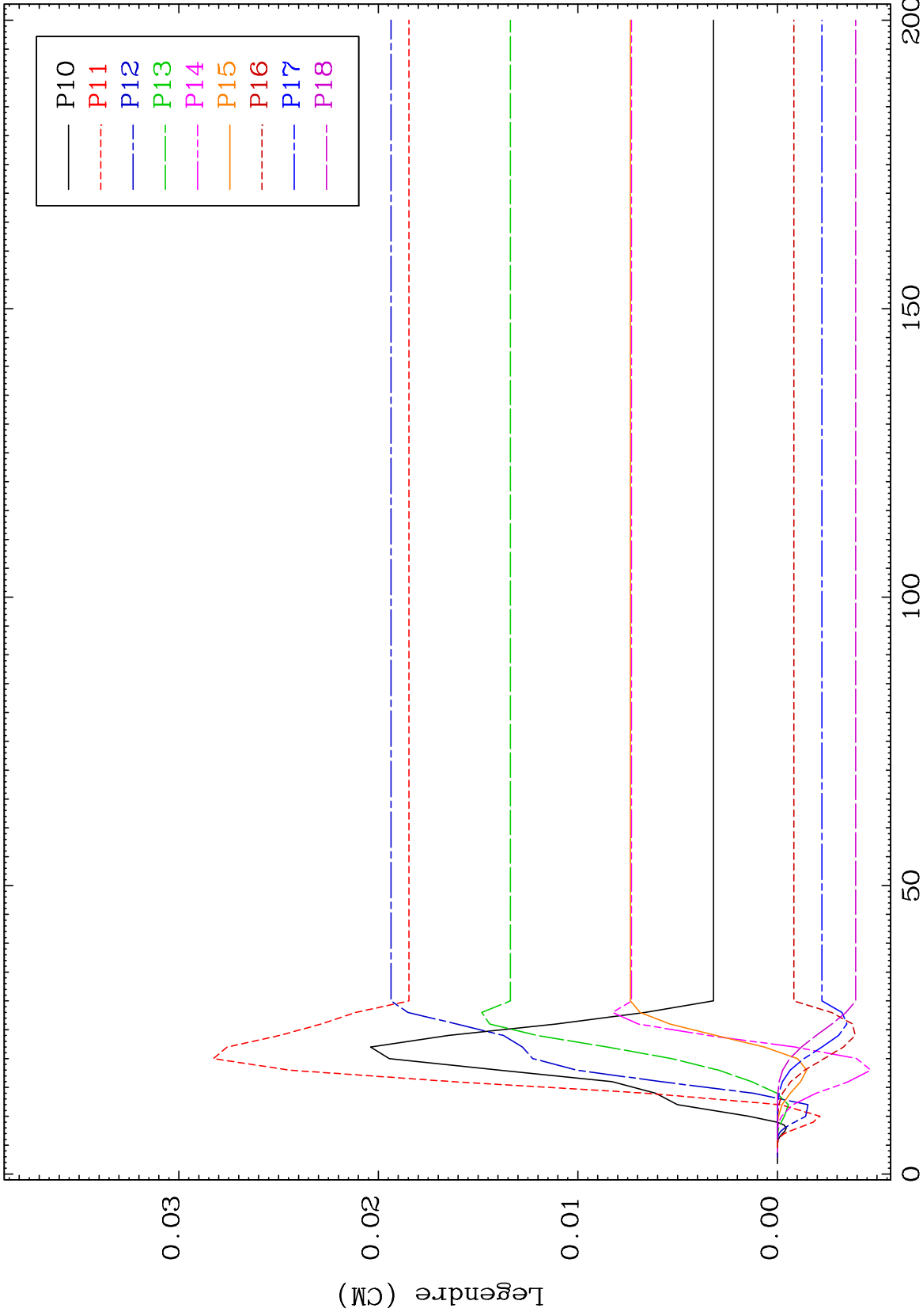
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



46

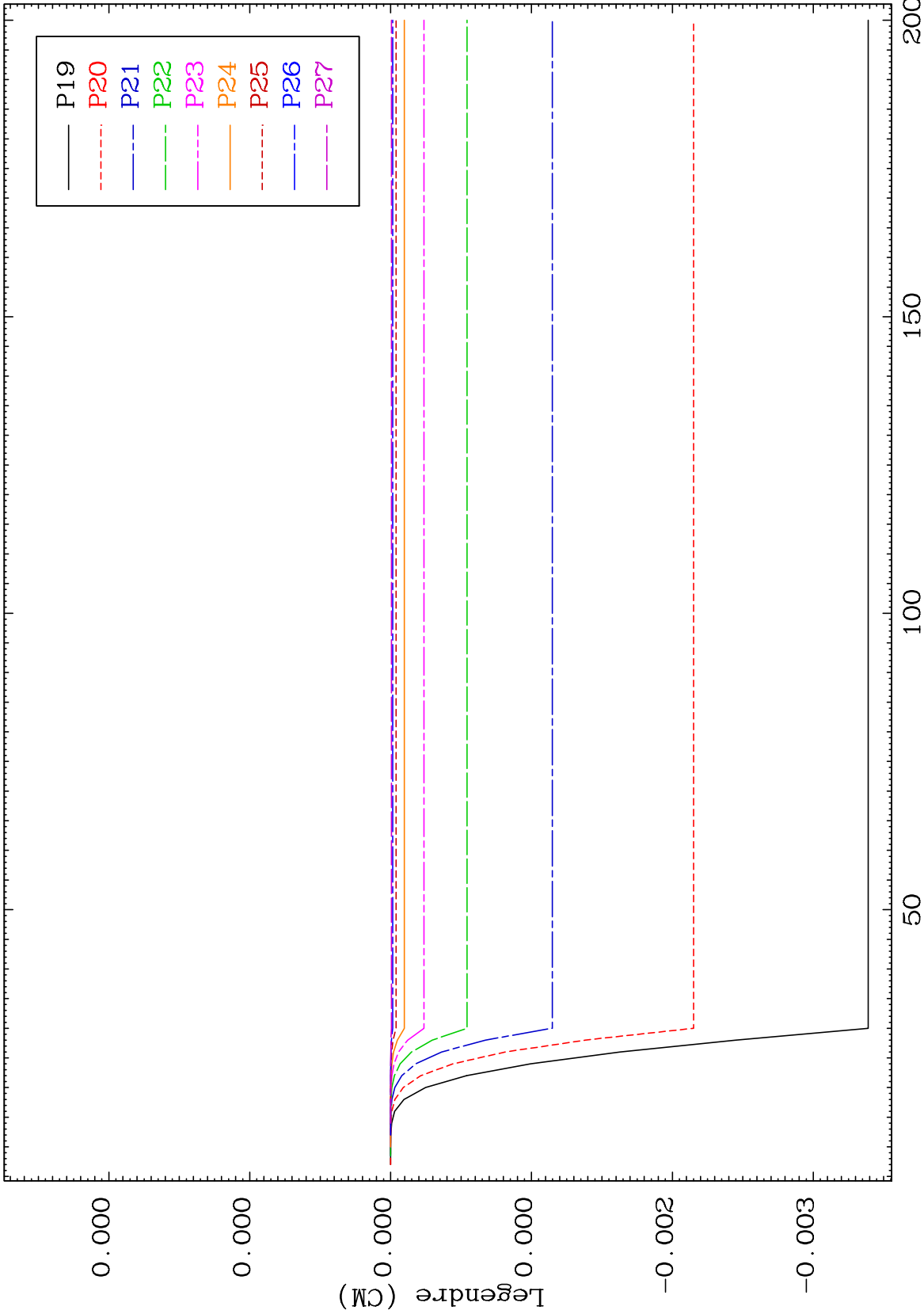
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



47

Incident Energy (MeV)

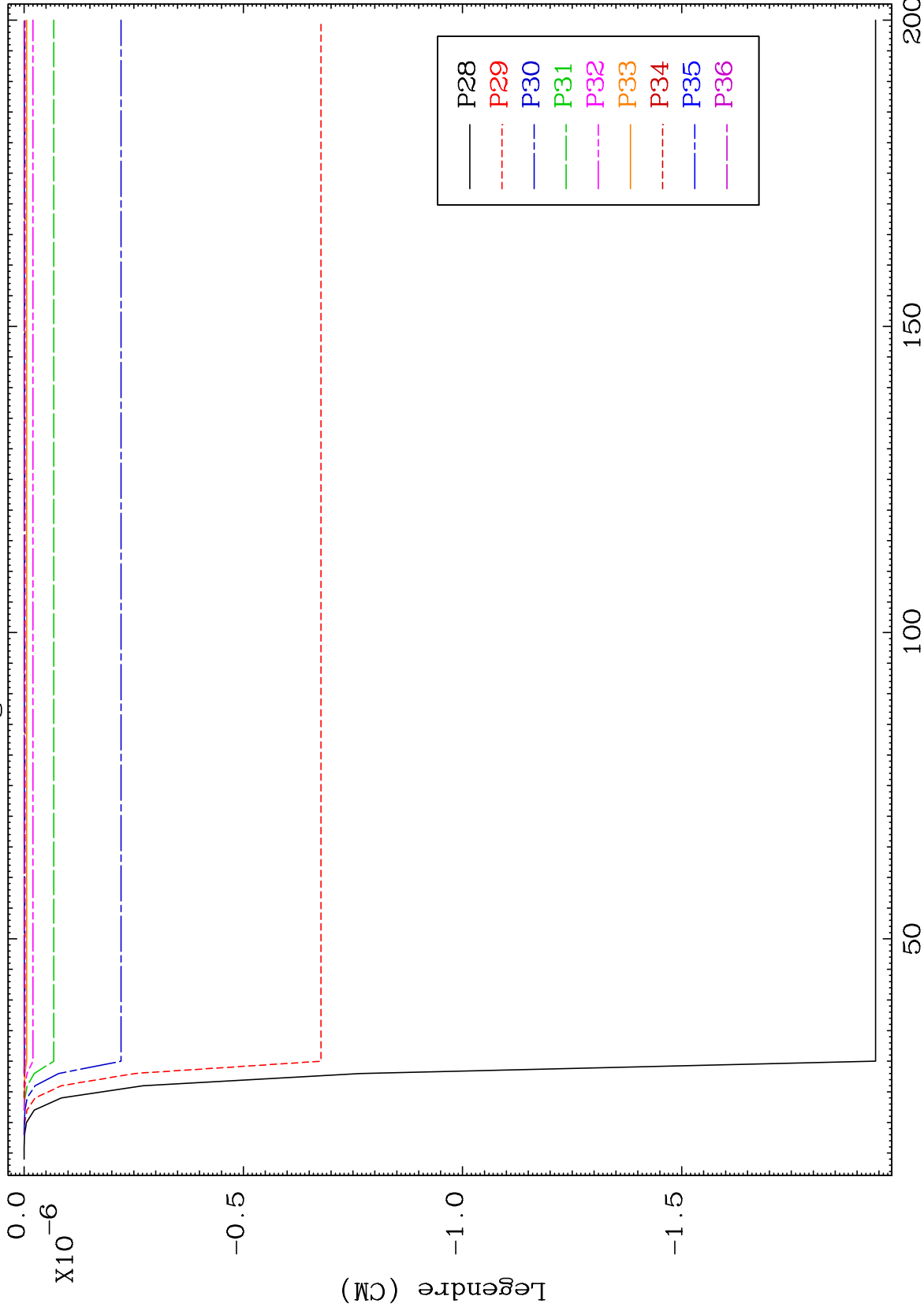
49-In-119



MAT 4943

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

49-In-119



48

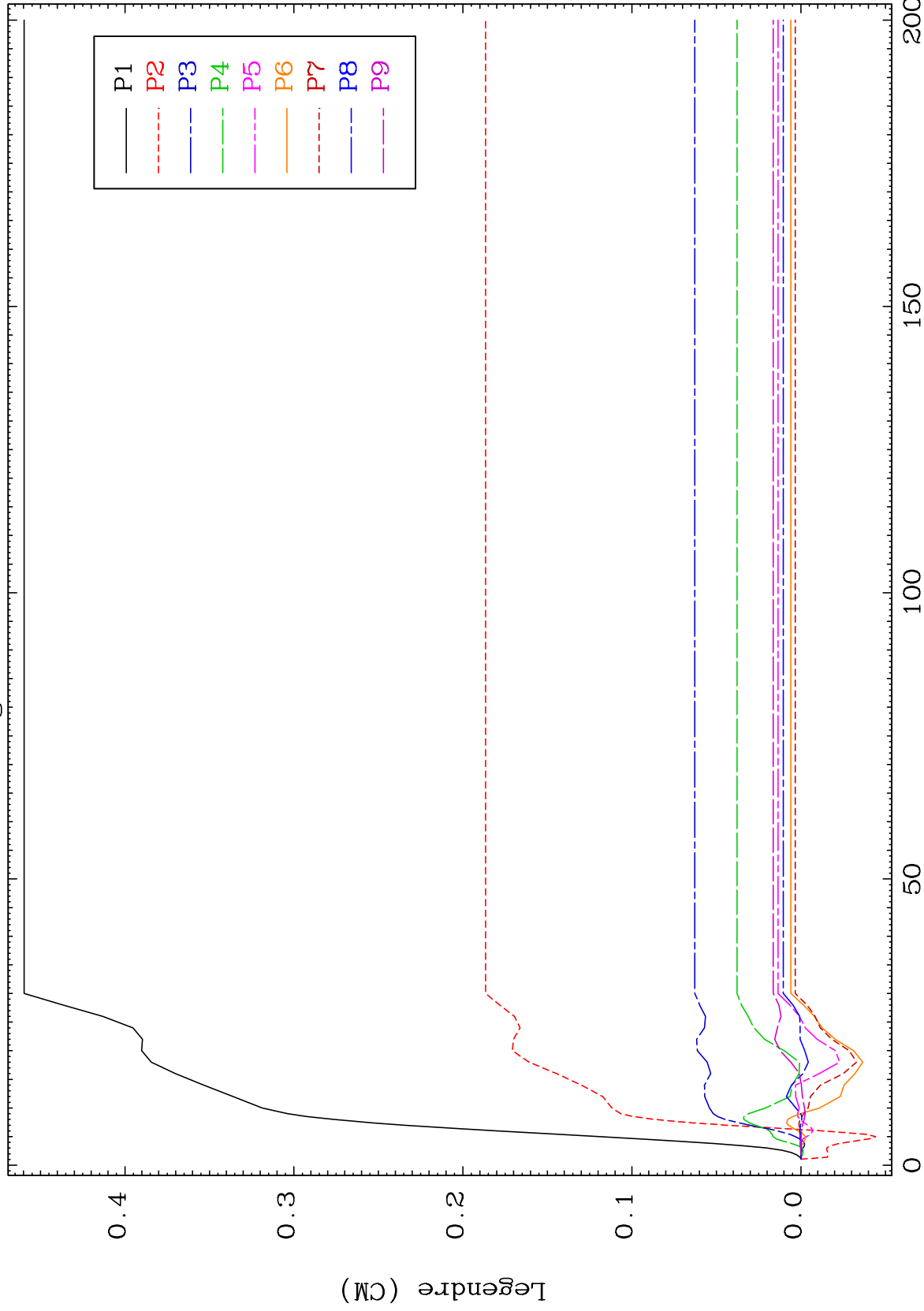
49-In-119

200

MAT 4943

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

49-In-119



49

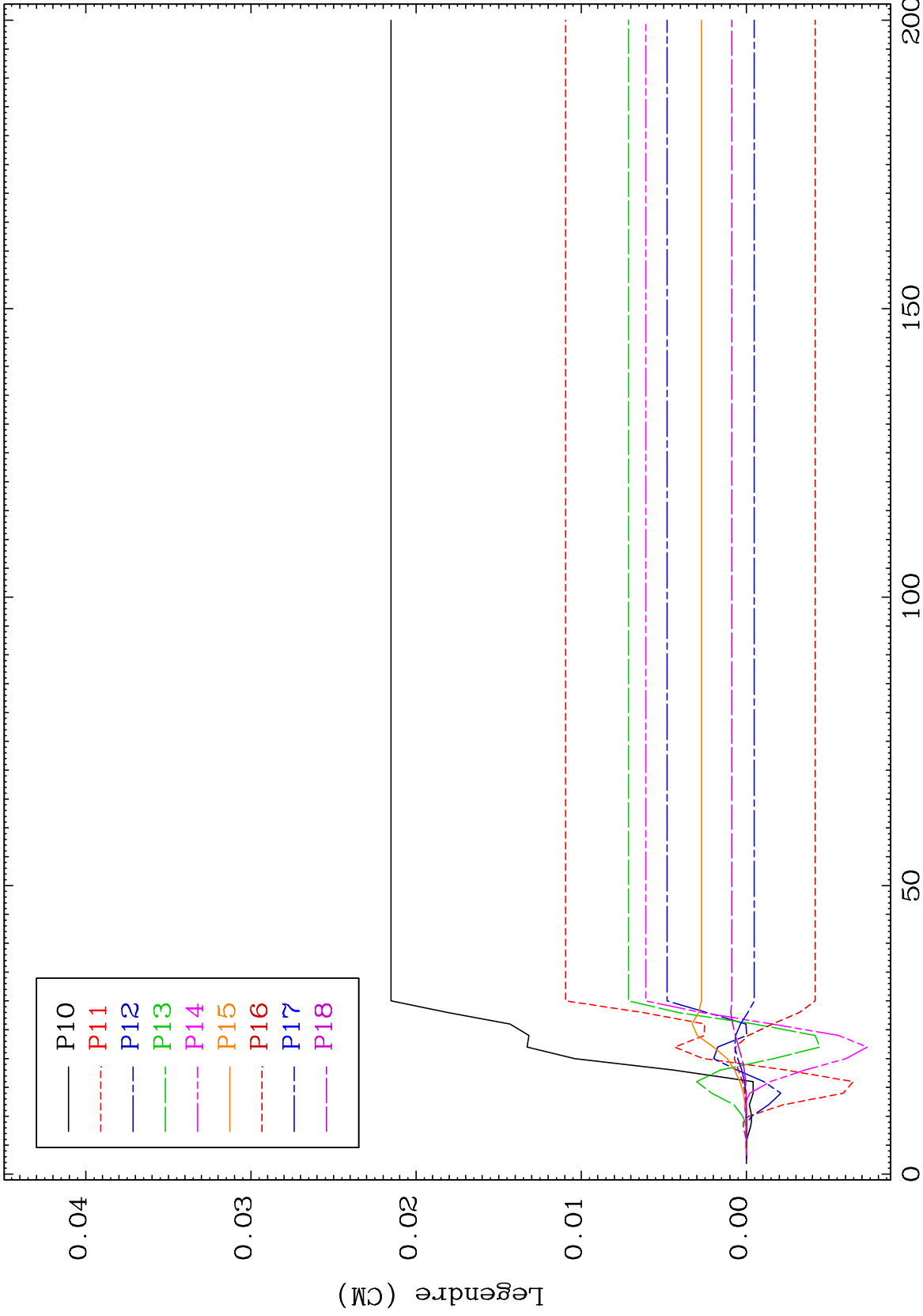
Incident Energy (MeV)

49-In-119

MAT 4943

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

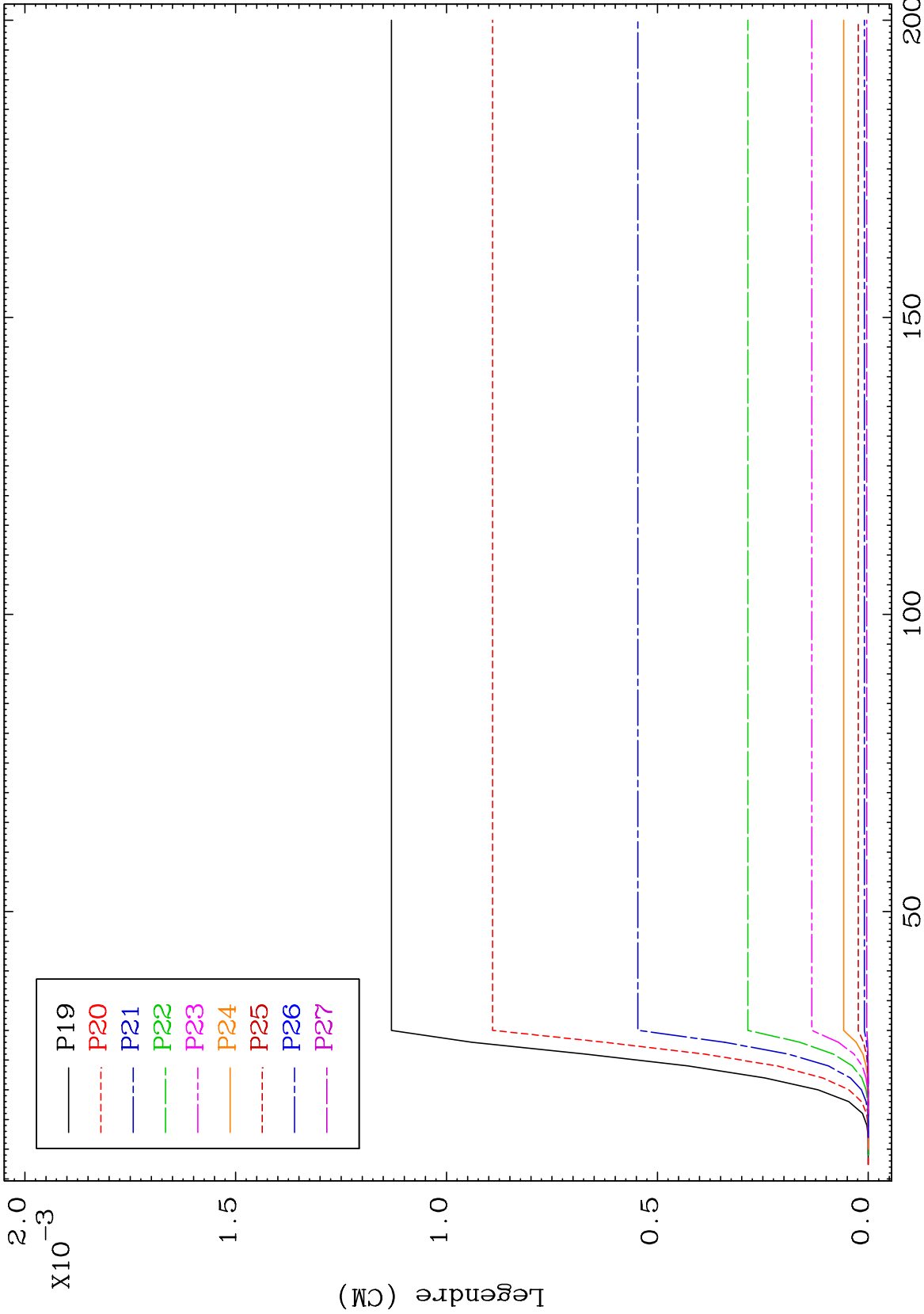
49-In-119



49-In-119

Incident Energy (MeV)

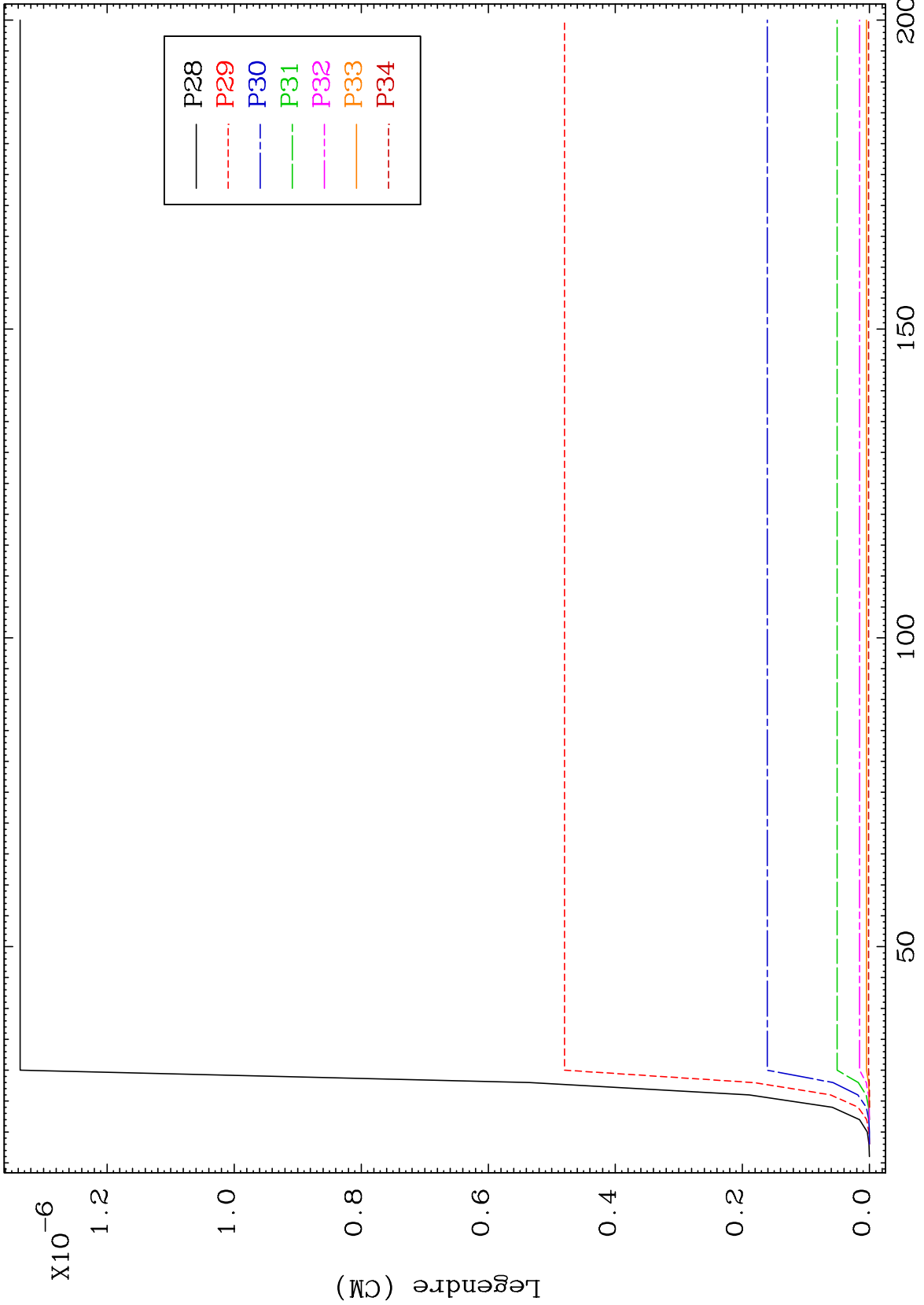
50



MAT 4943

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

49-In-119



52

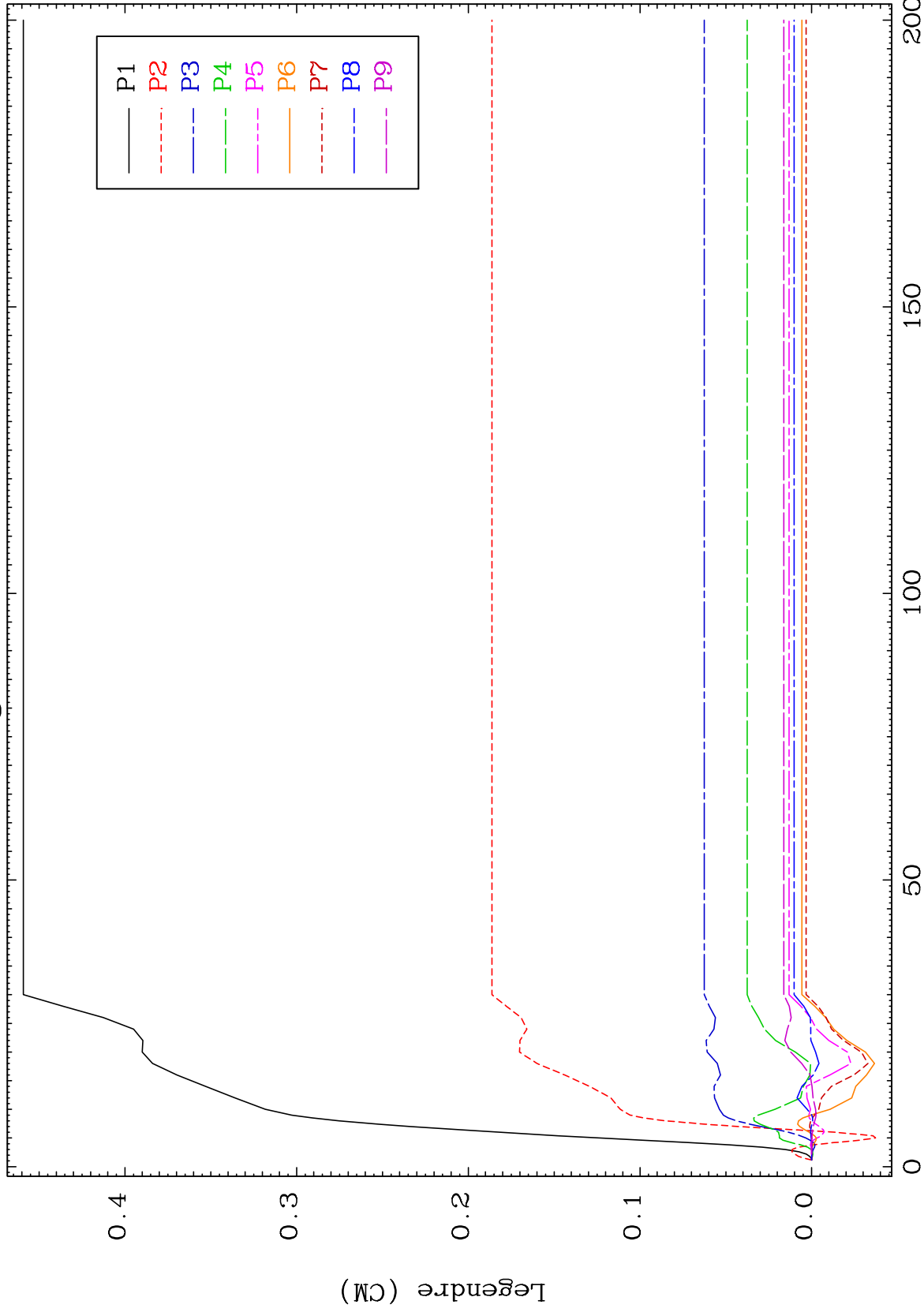
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



53

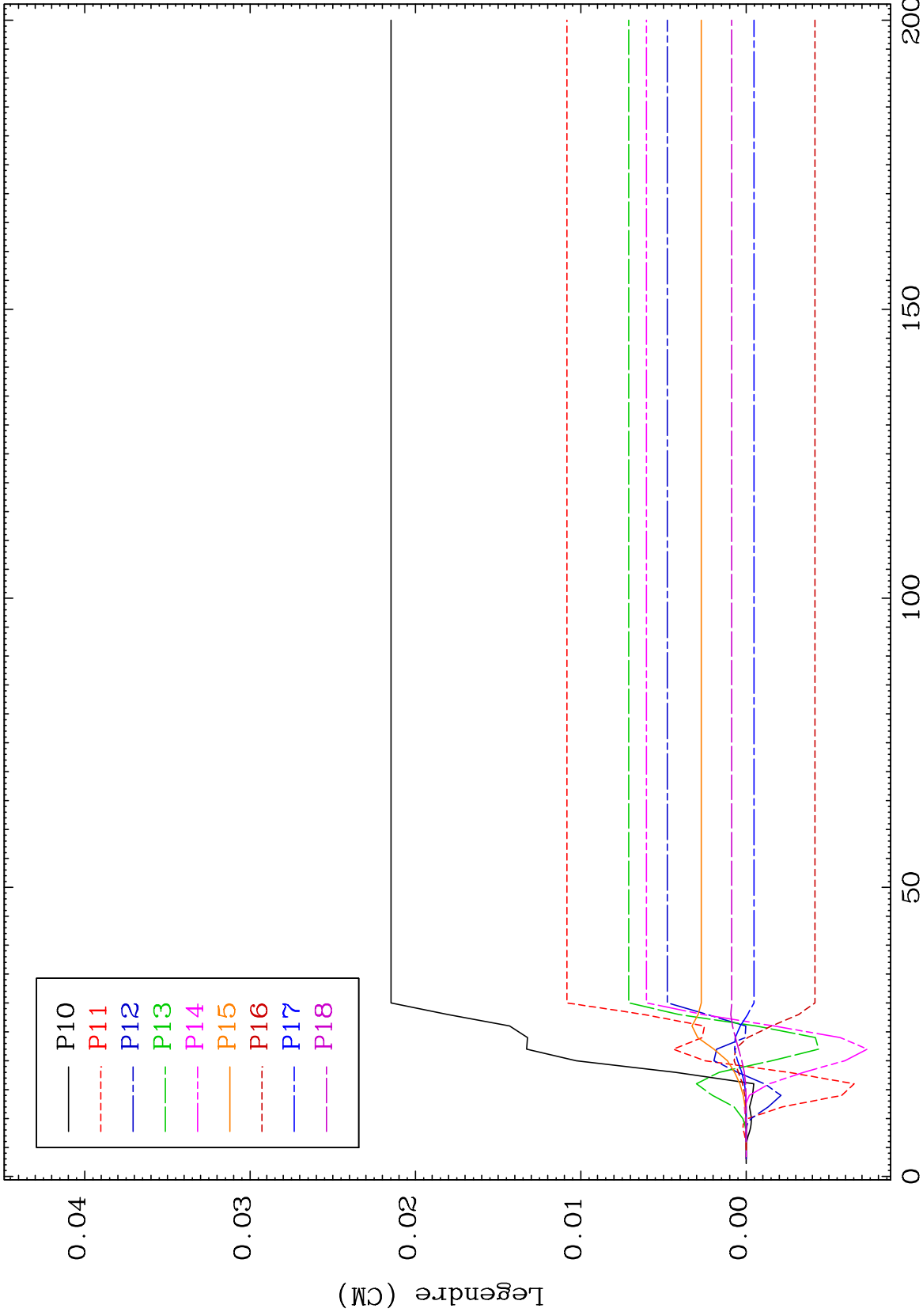
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



54

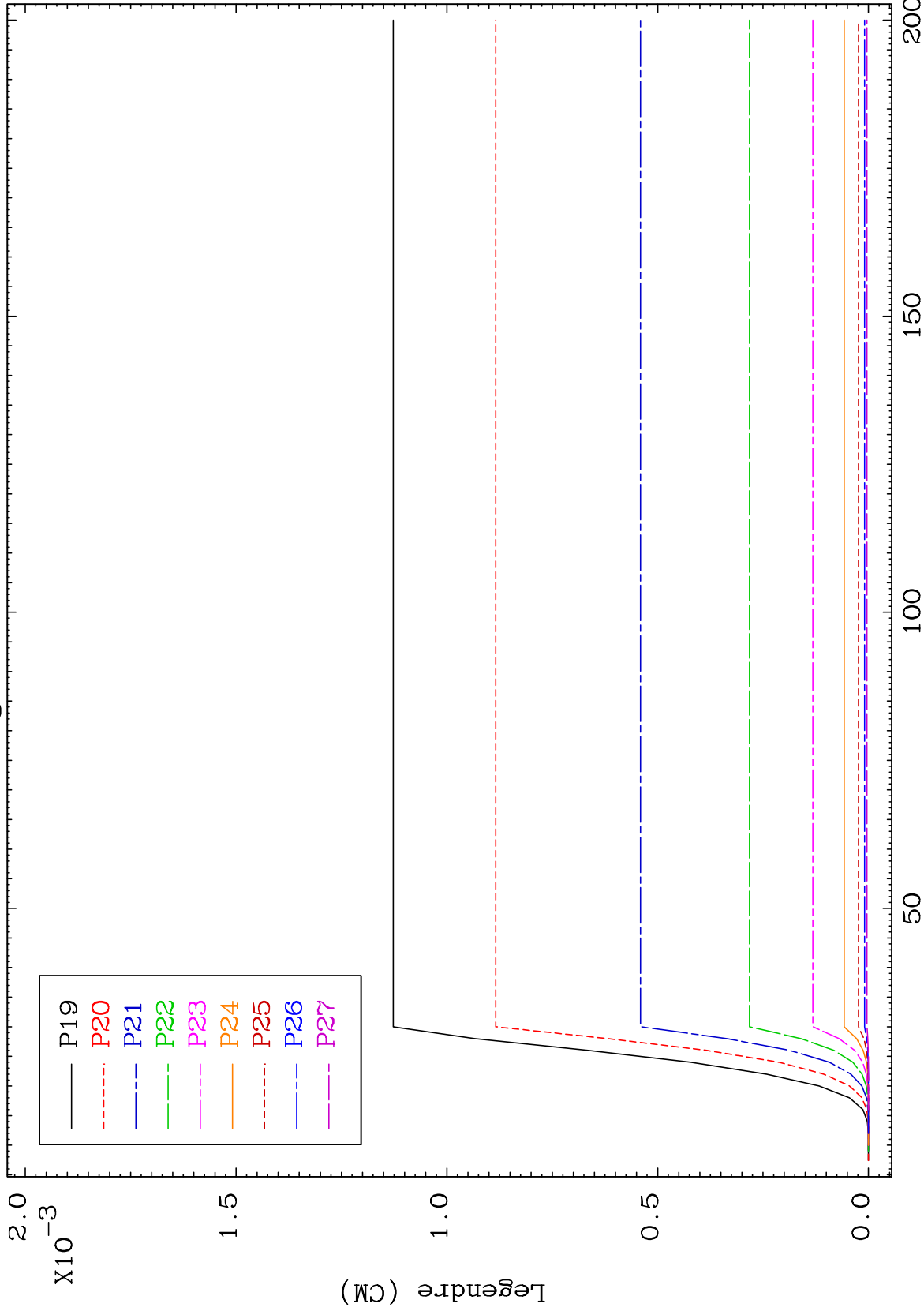
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



55

Incident Energy (MeV)

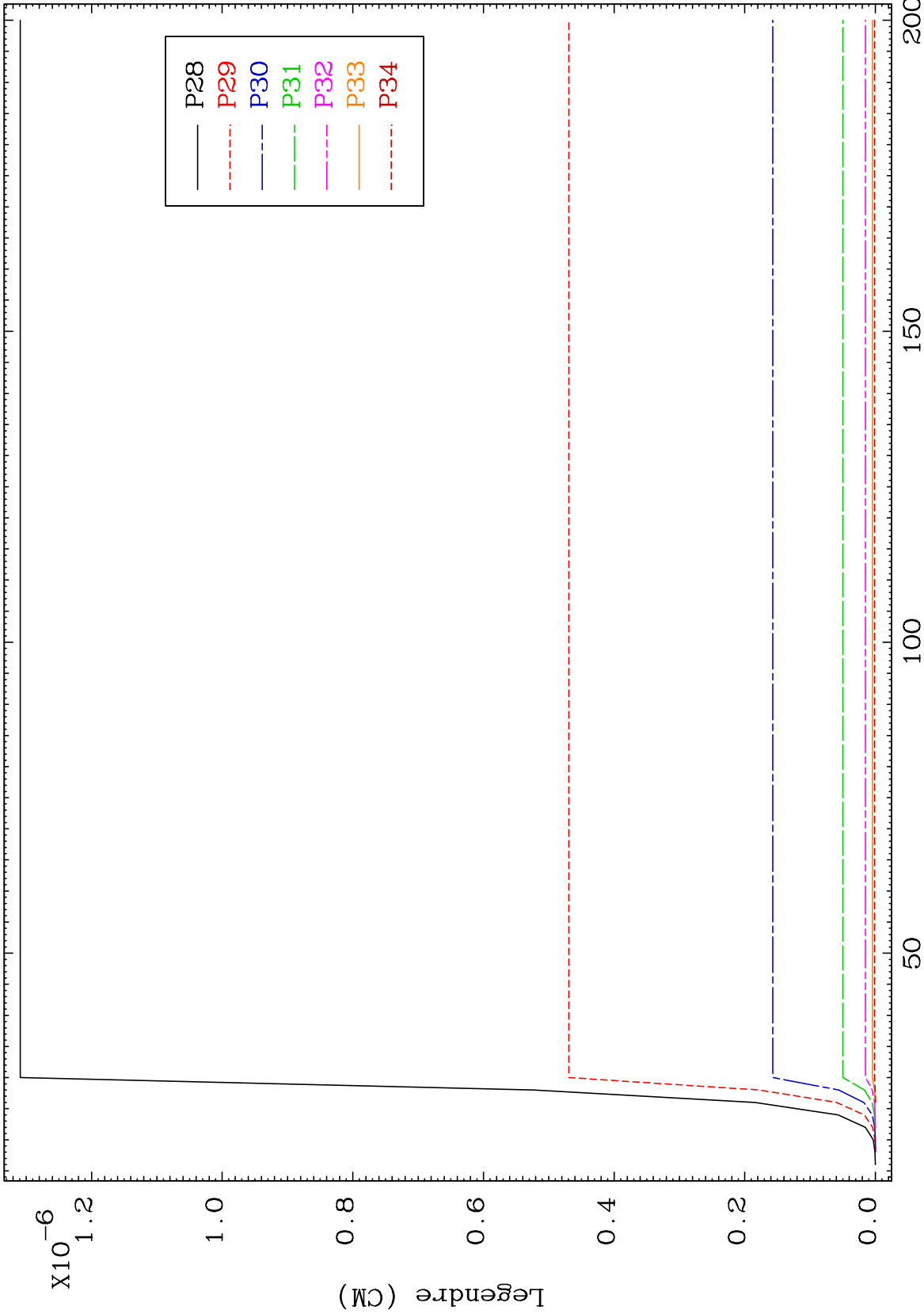
49-In-119



MAT 4943

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

49-In-119



56

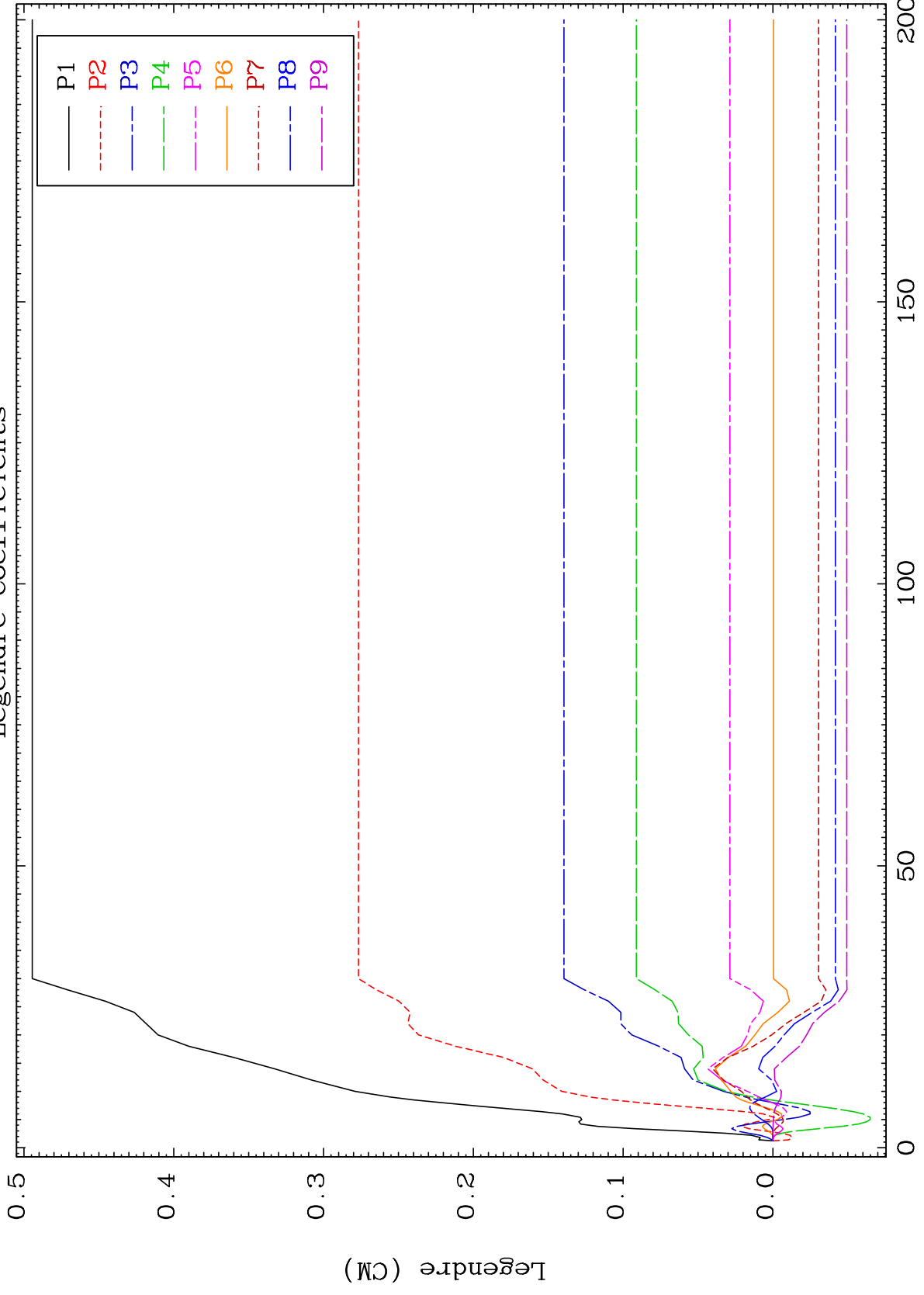
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



57

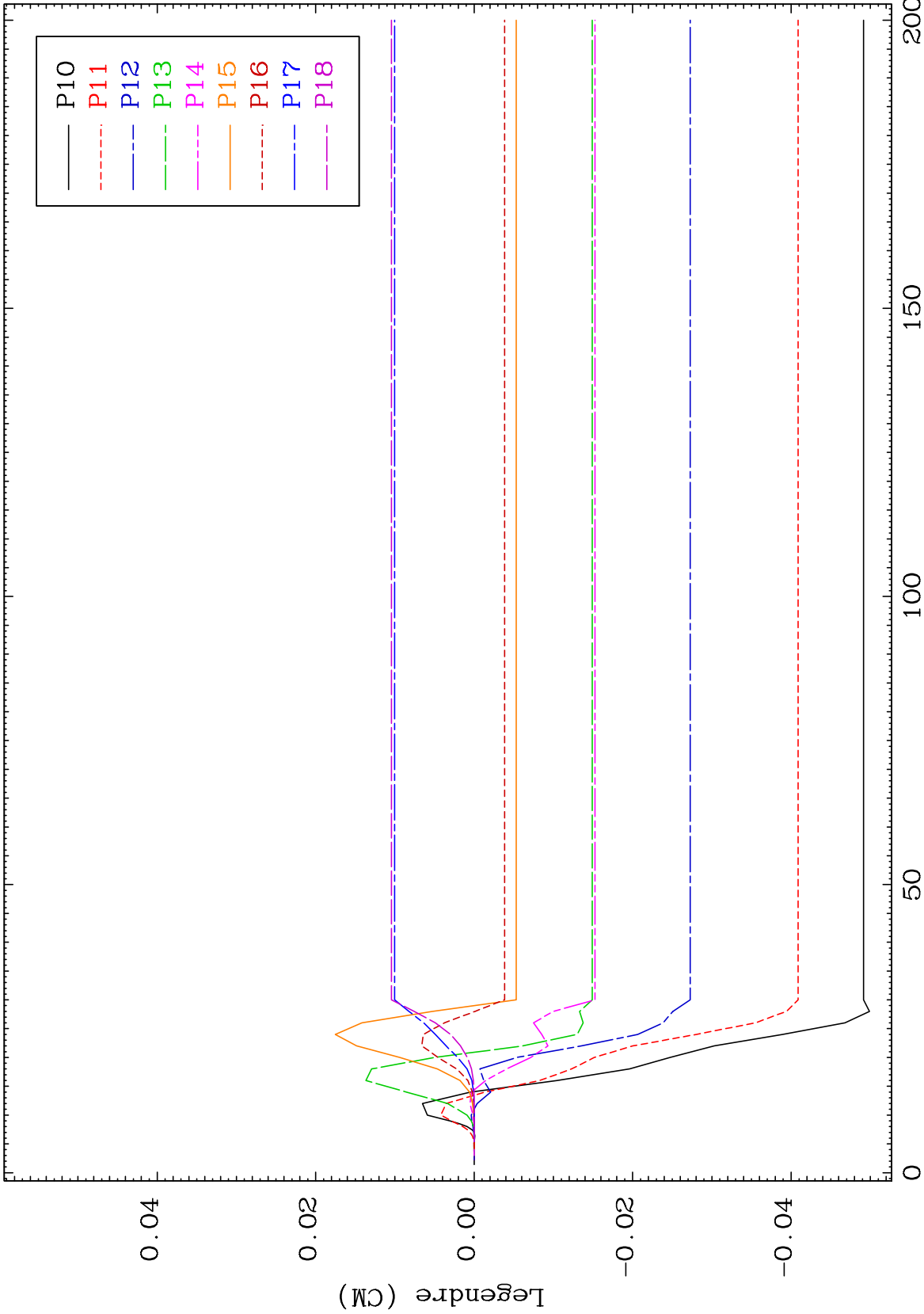
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



58

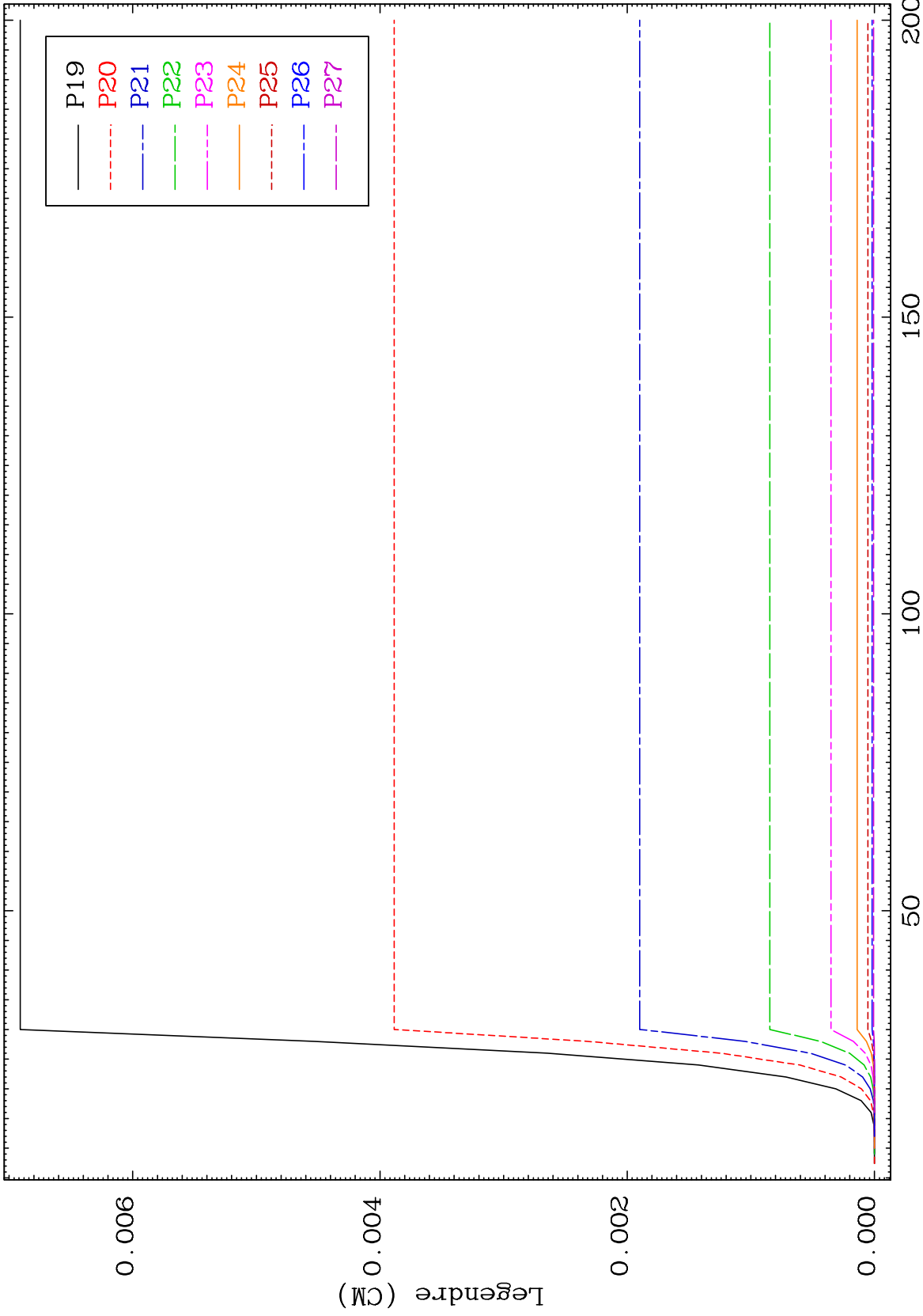
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



59

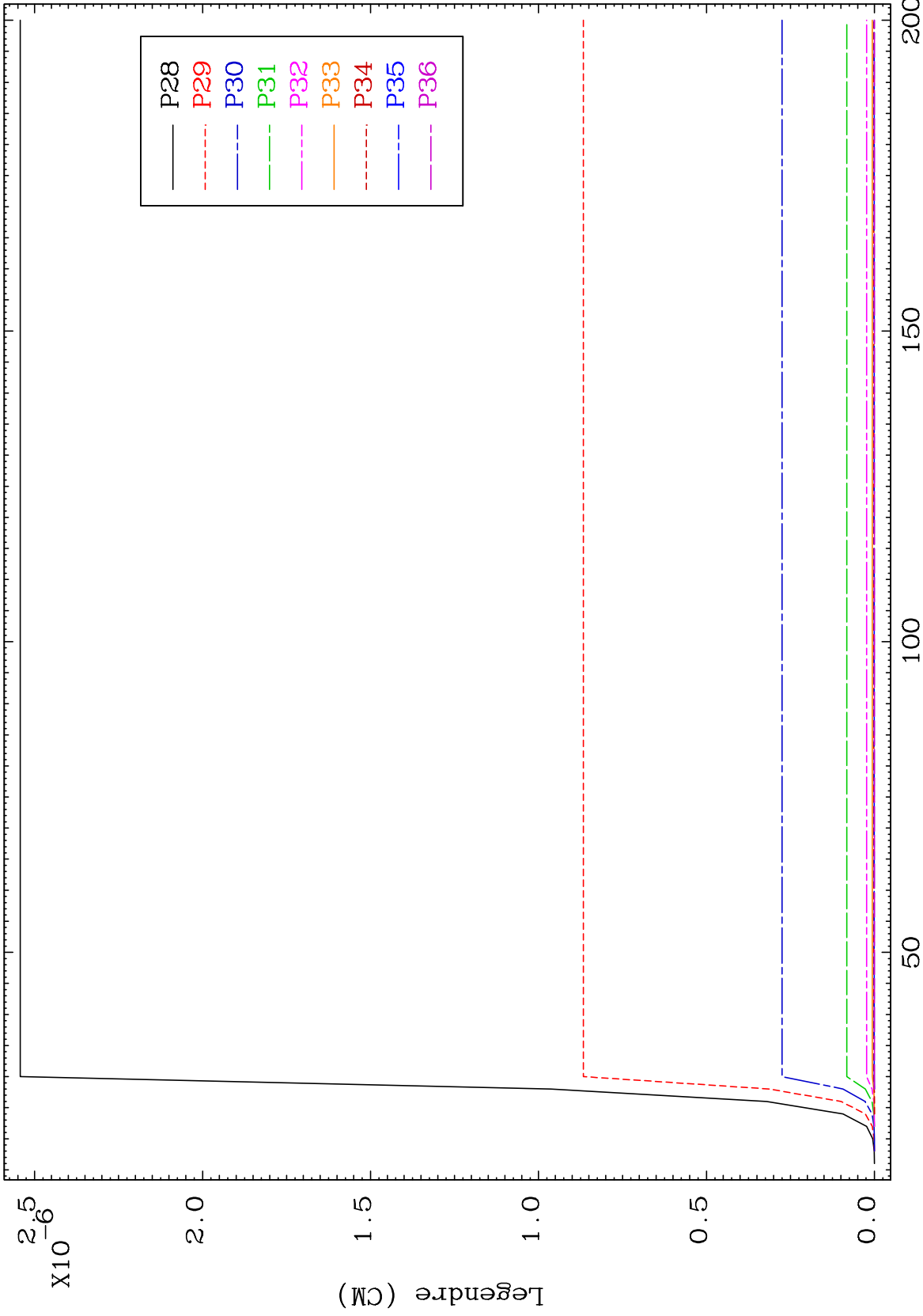
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119

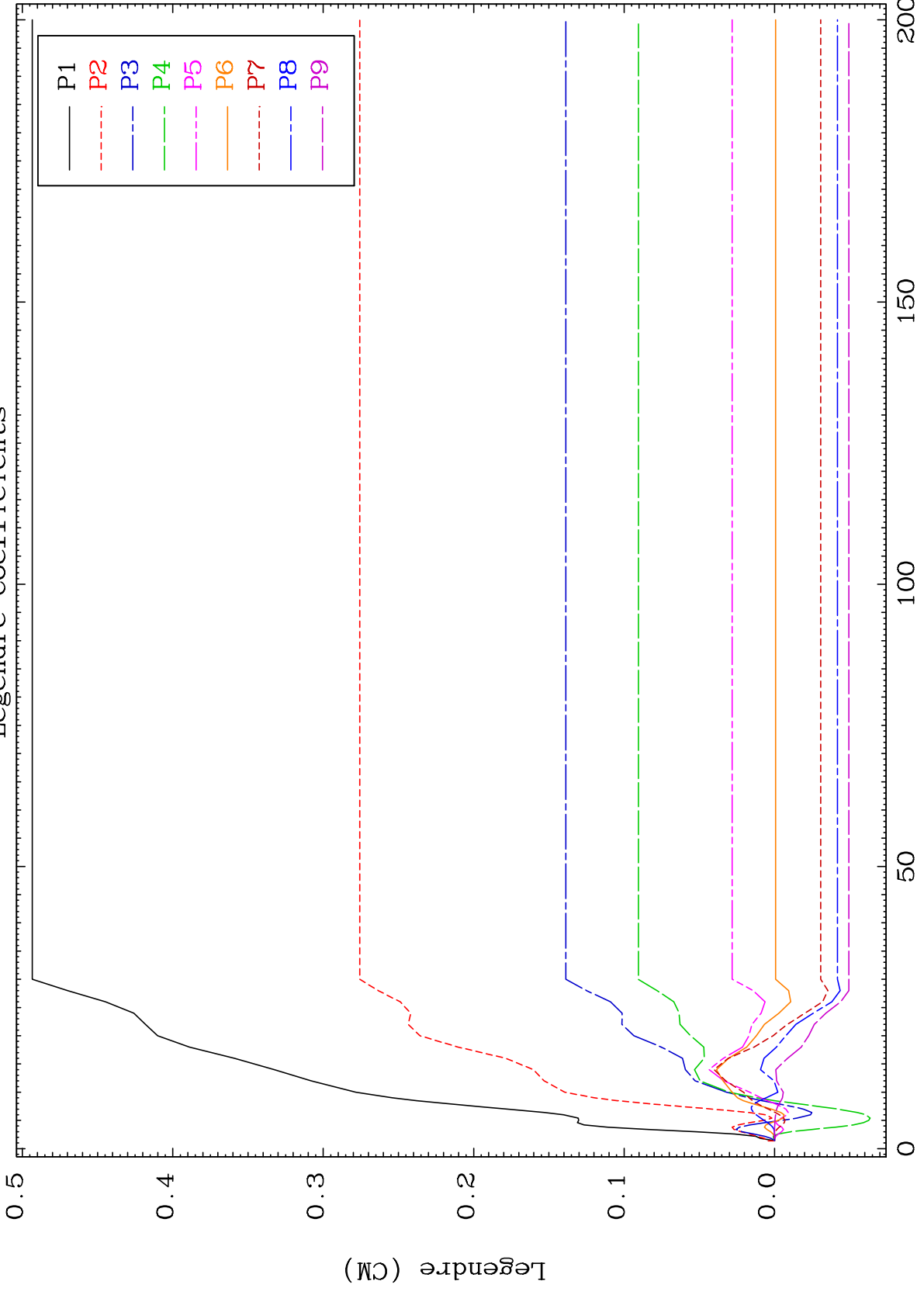


60

Incident Energy (MeV)

49-In-119

MAT 4943 MT= 62 (n,n') Level Legendre Coefficients 49-In-119

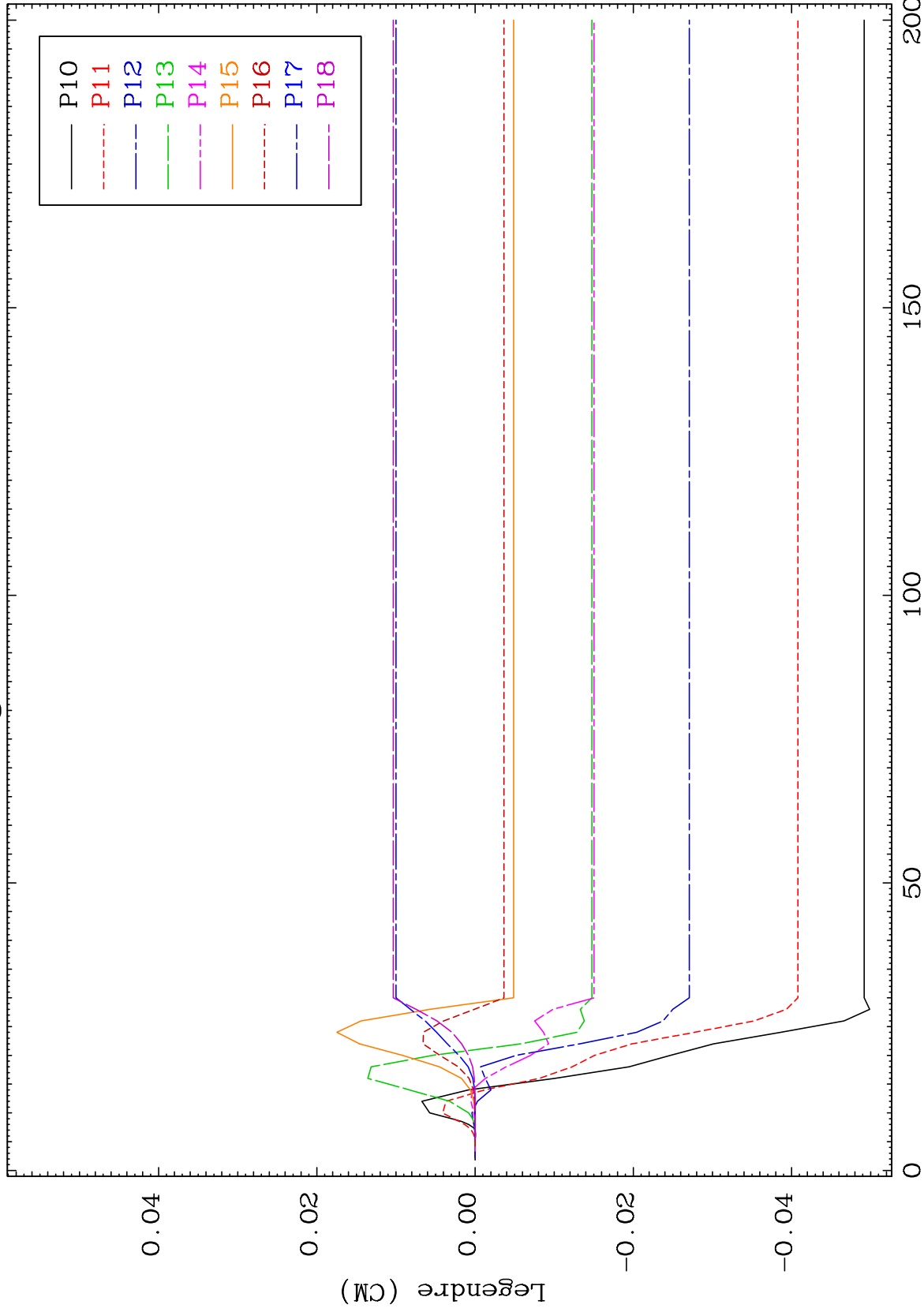


61 49-In-119

MAT 4943

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

49-In-119



62

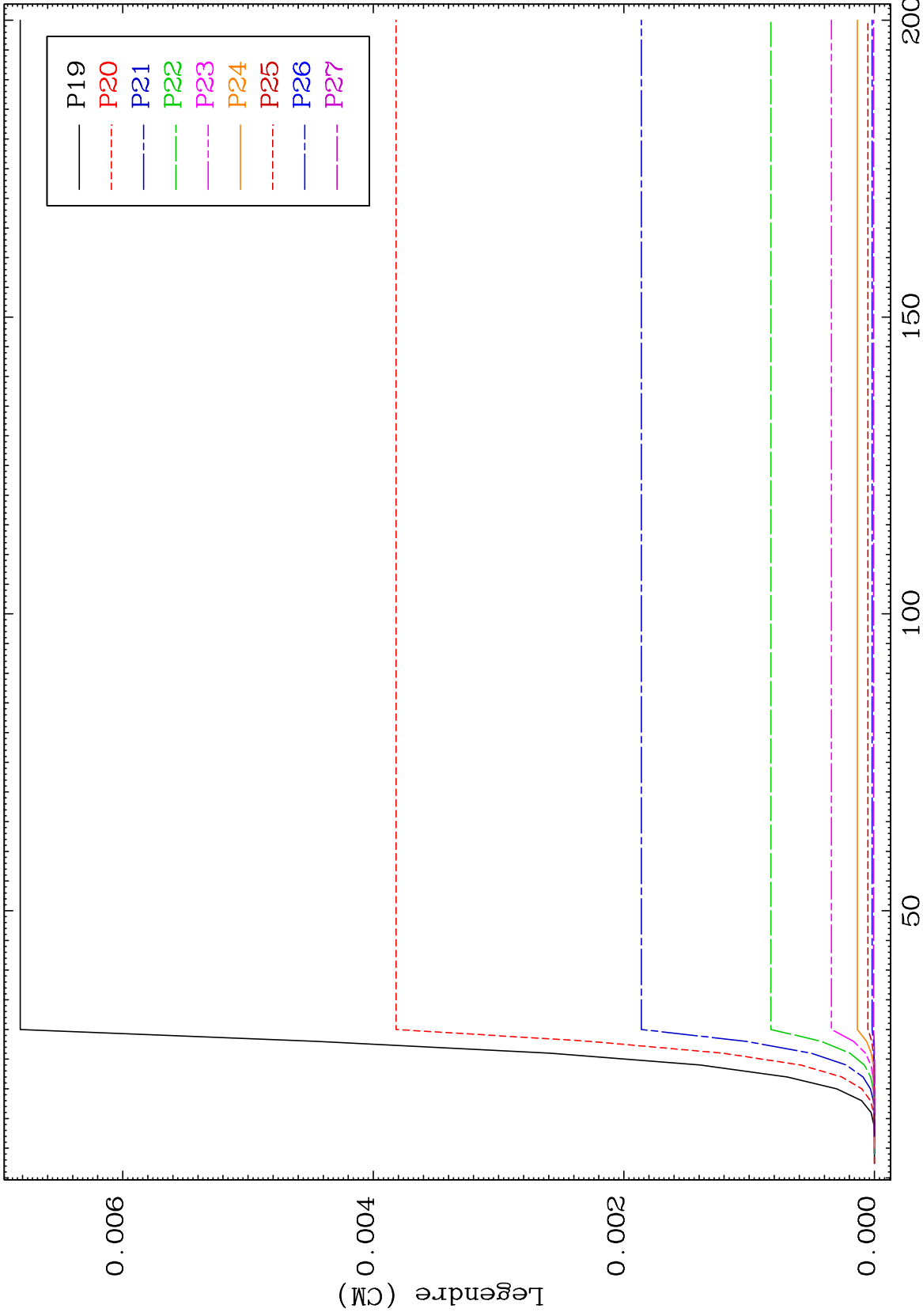
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



63

Incident Energy (MeV)

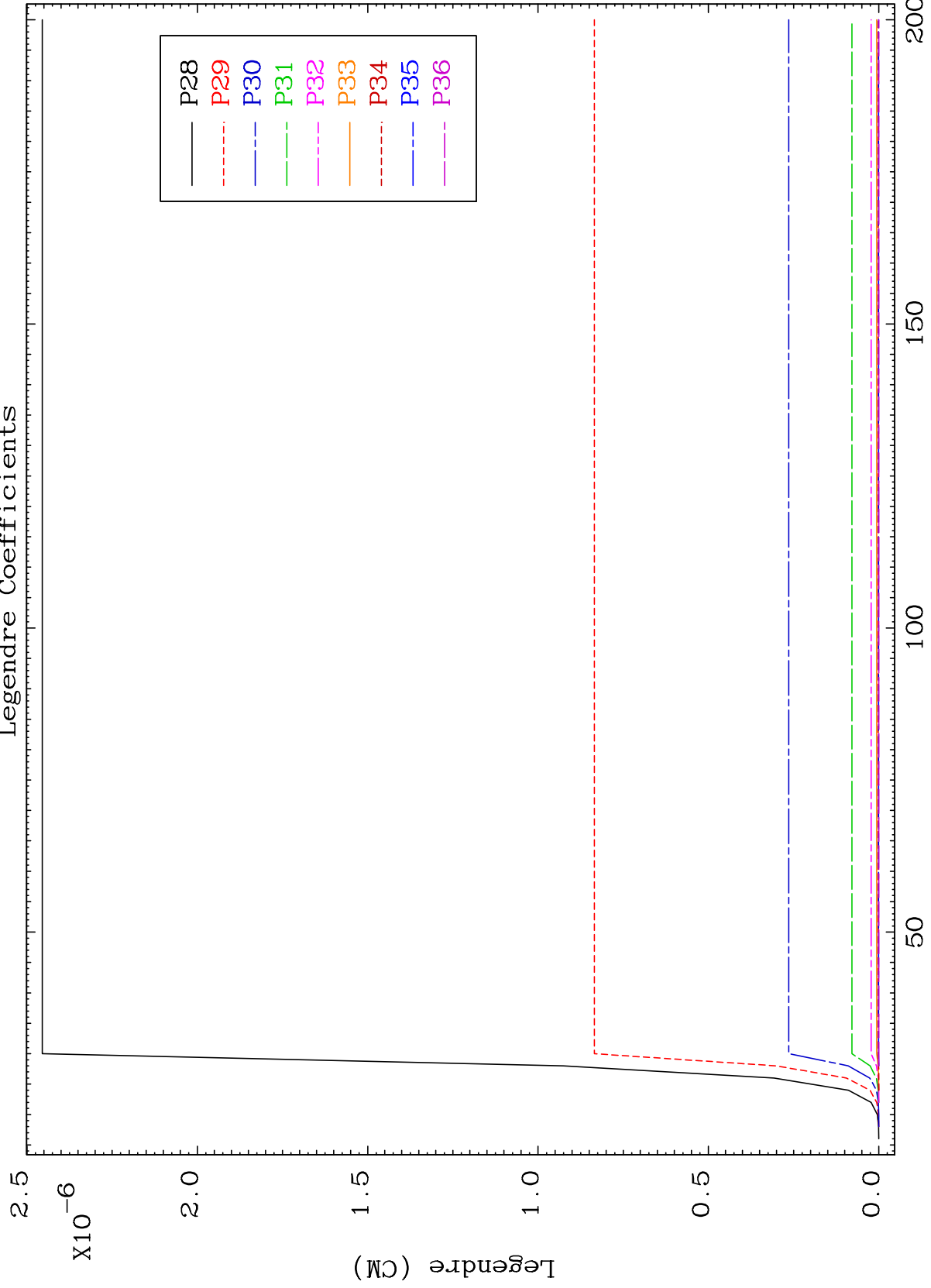
49-In-119



MAT 4943

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

49-In-119



64

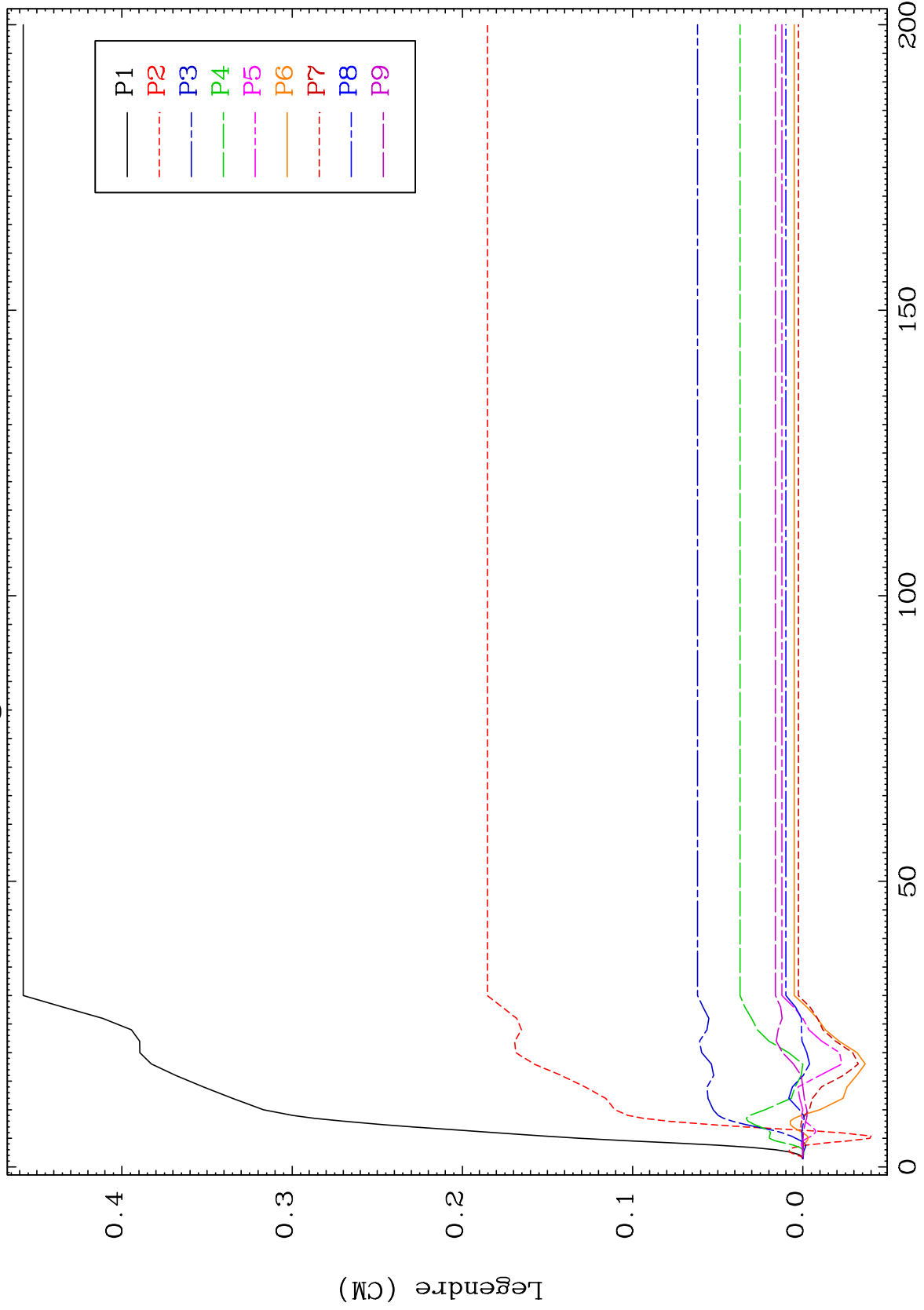
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



65

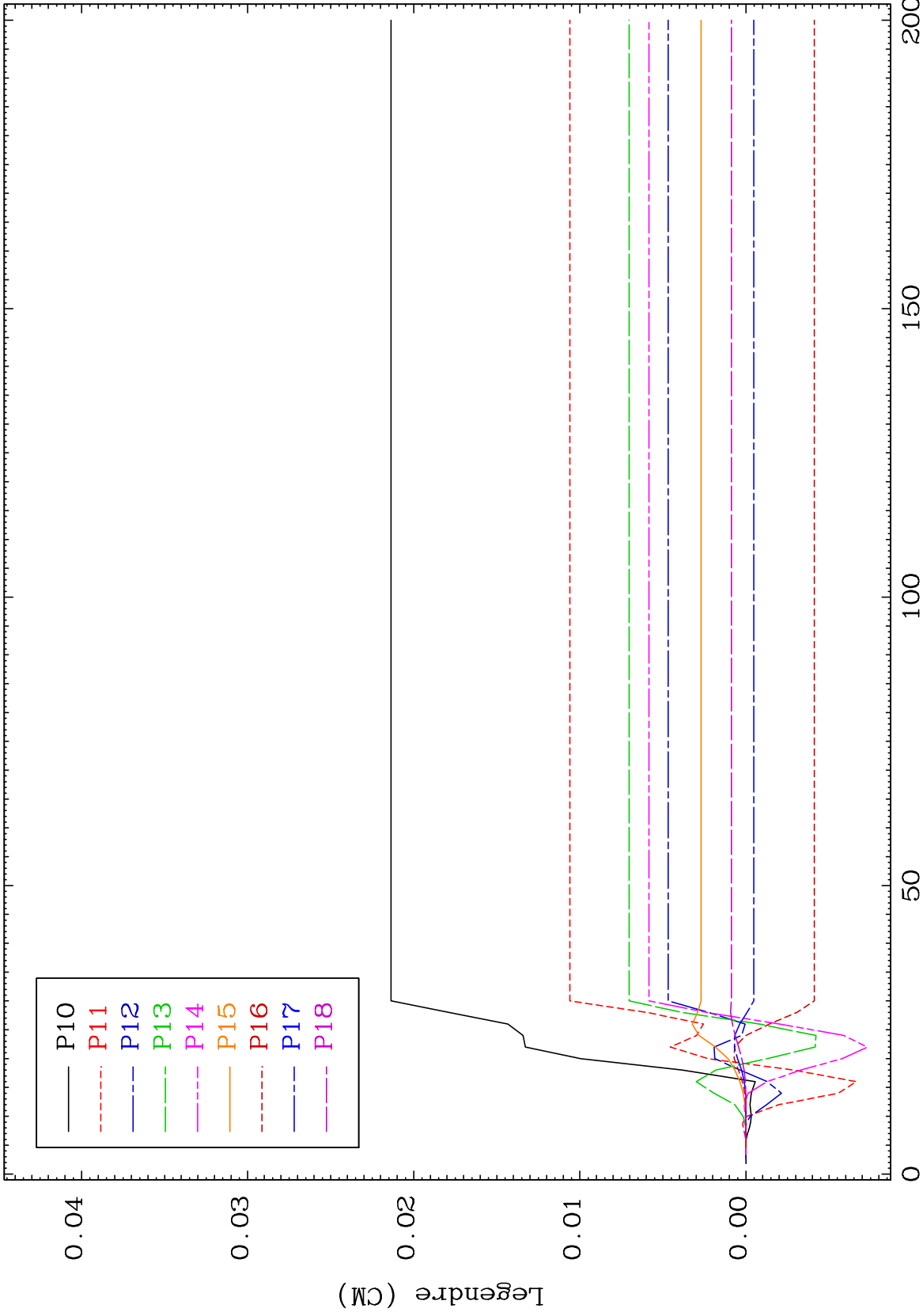
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



66

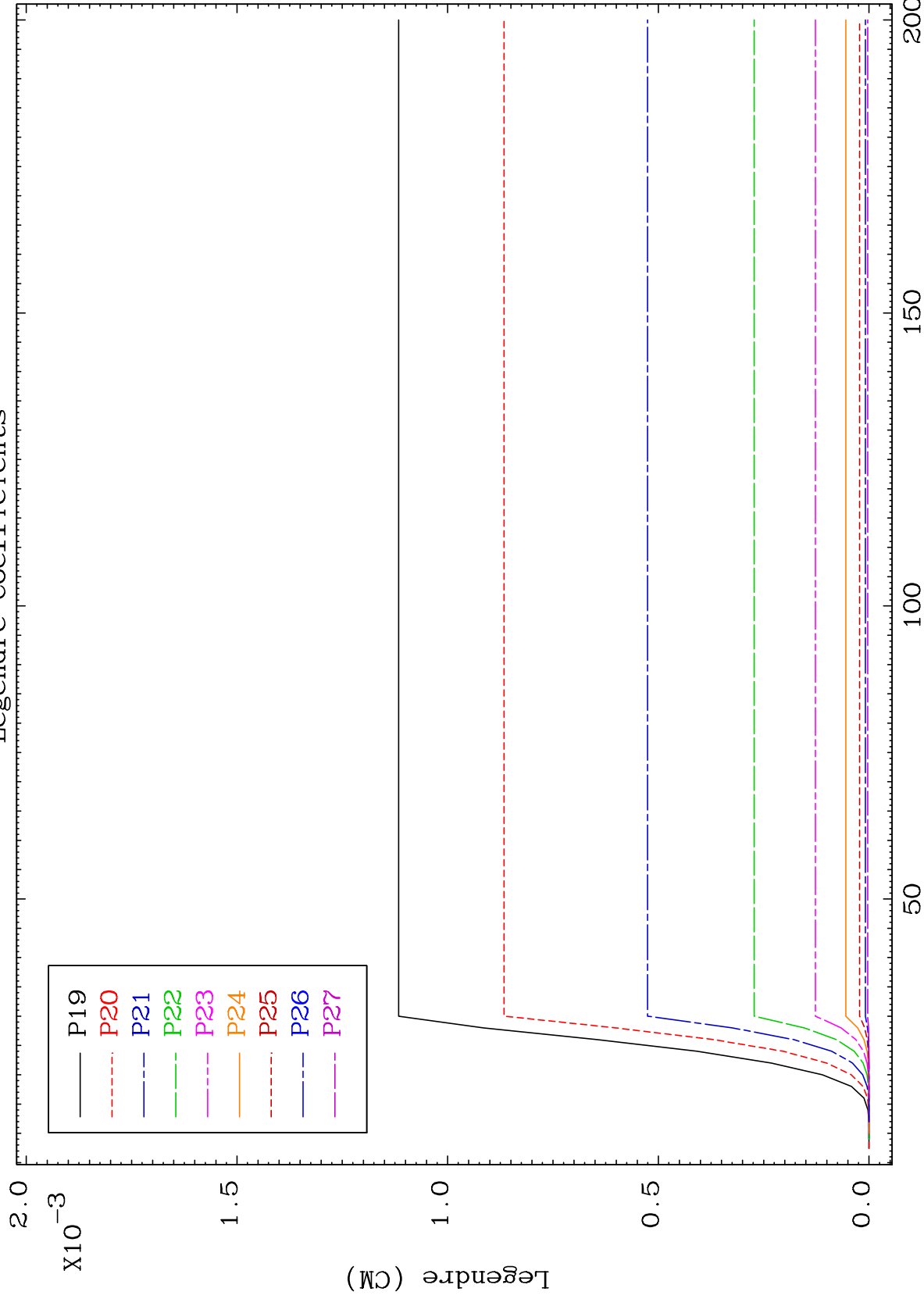
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



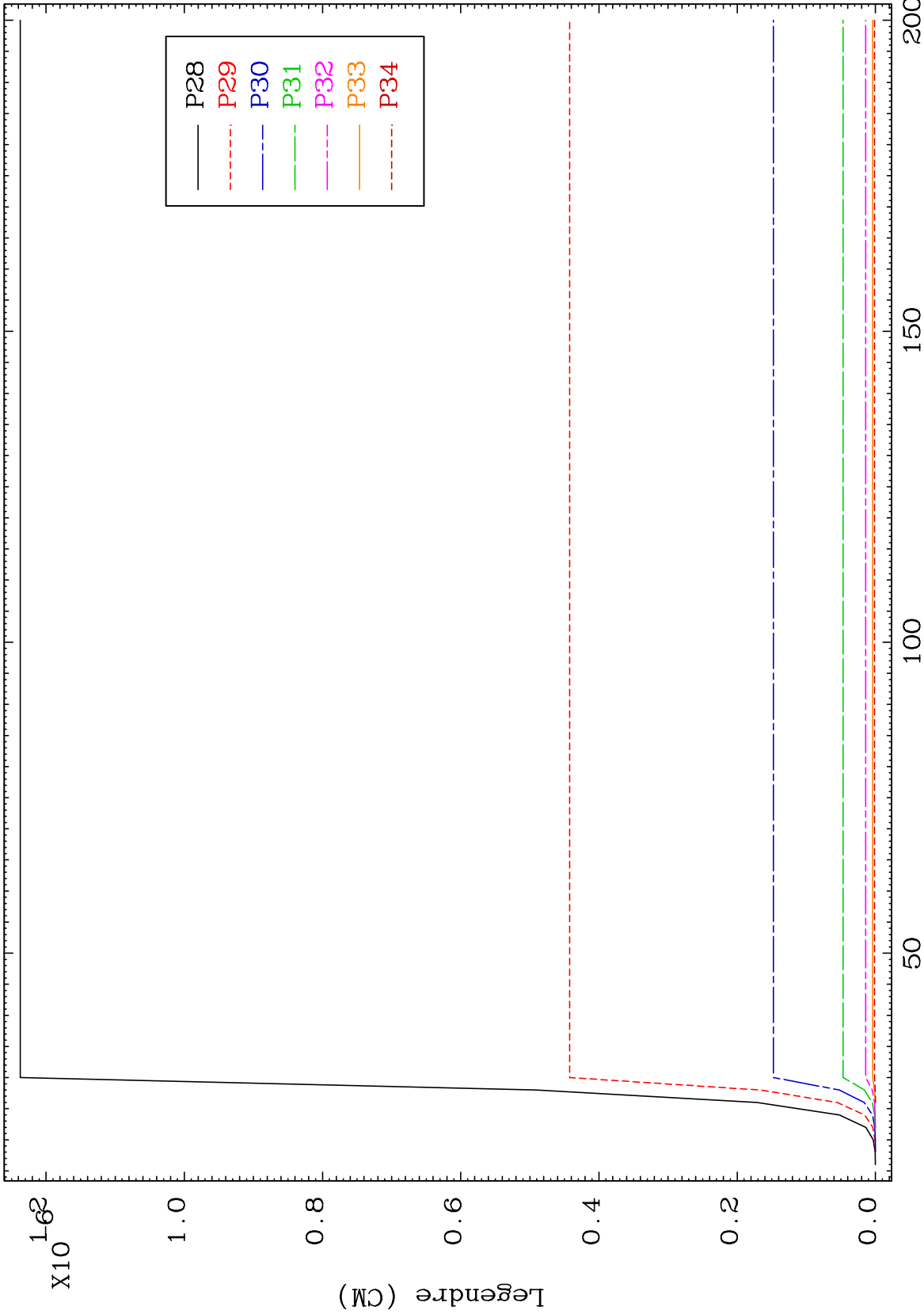
67

49-In-119

MAT 4943

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

49-In-119



68

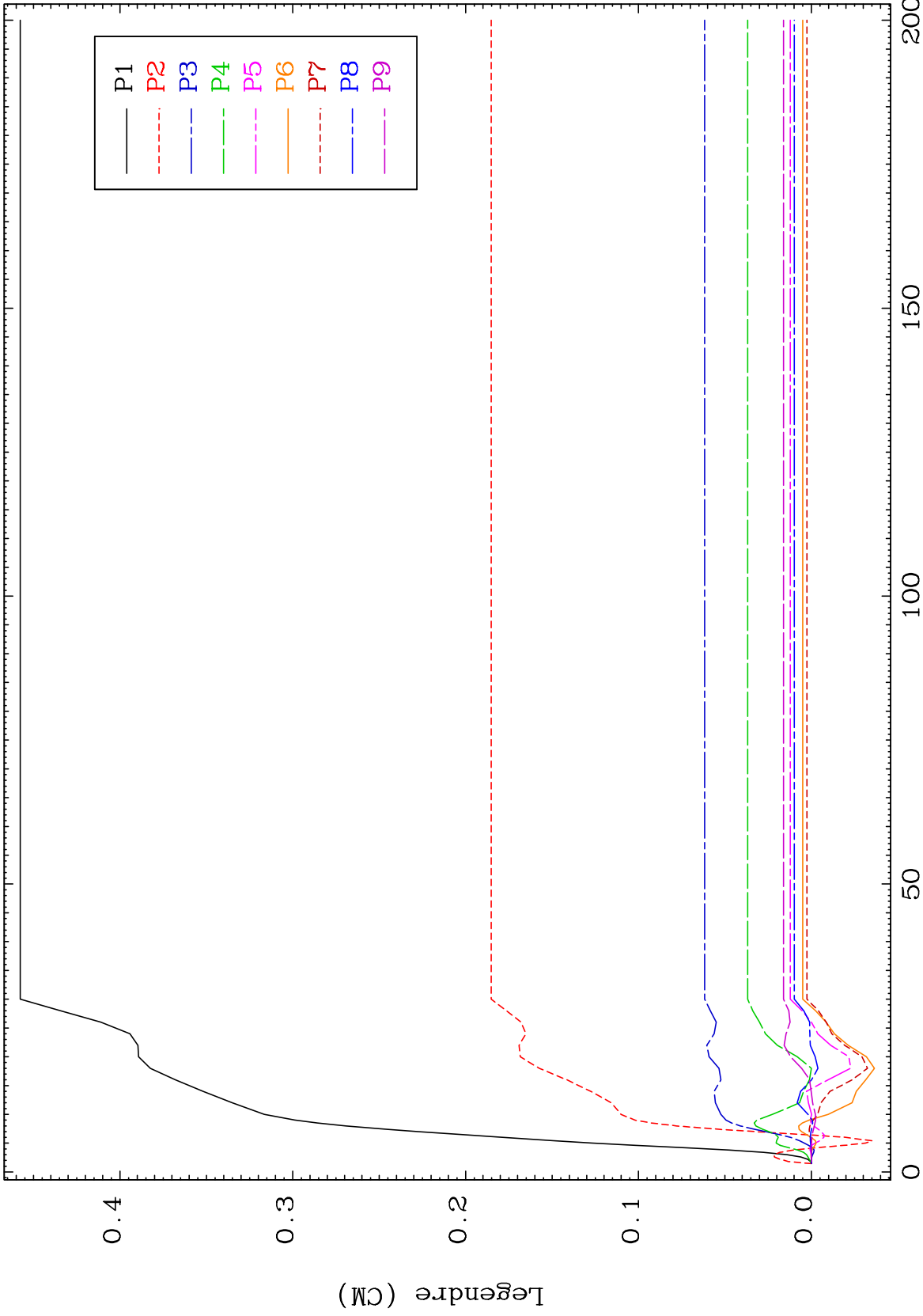
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



69

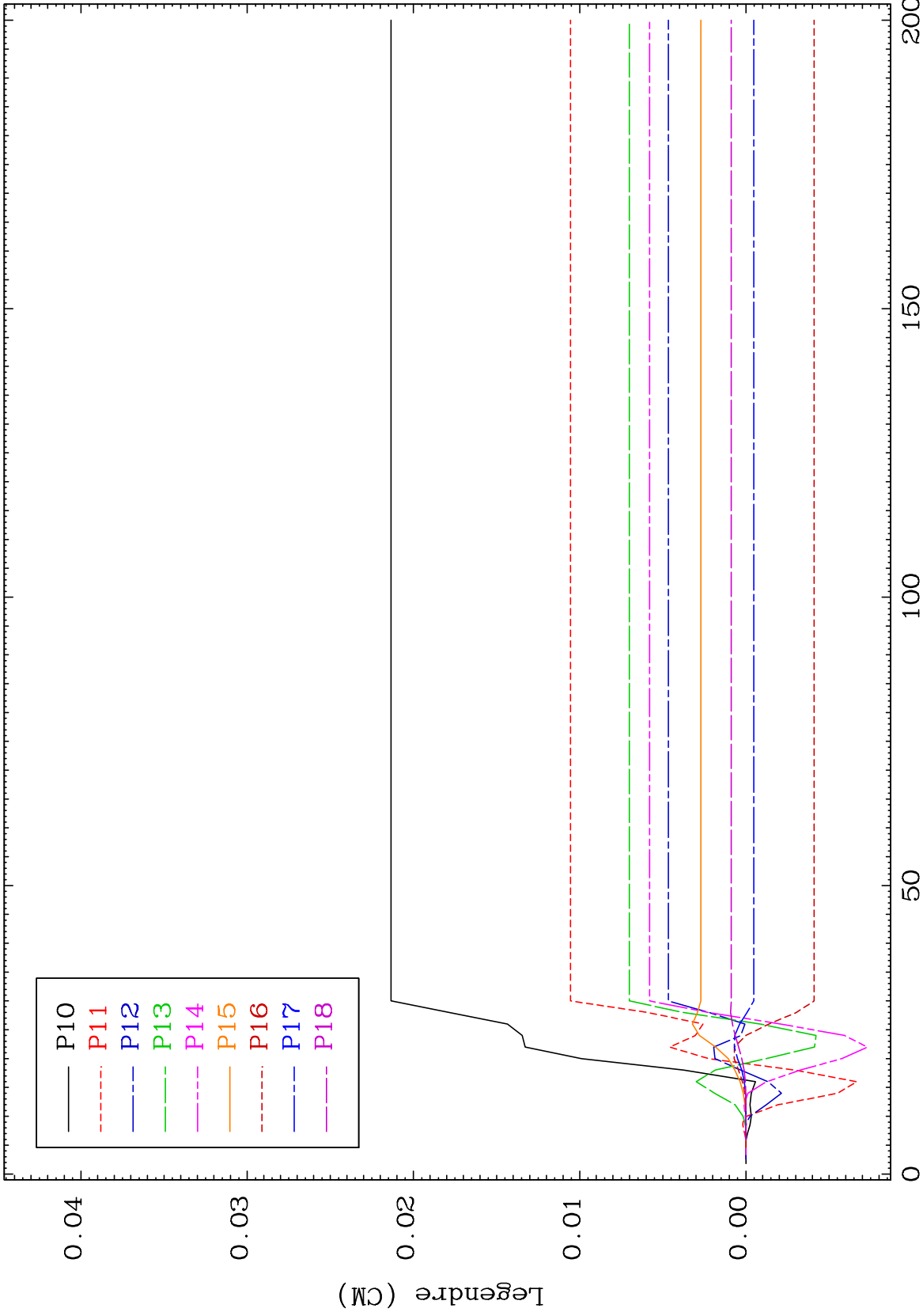
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



70

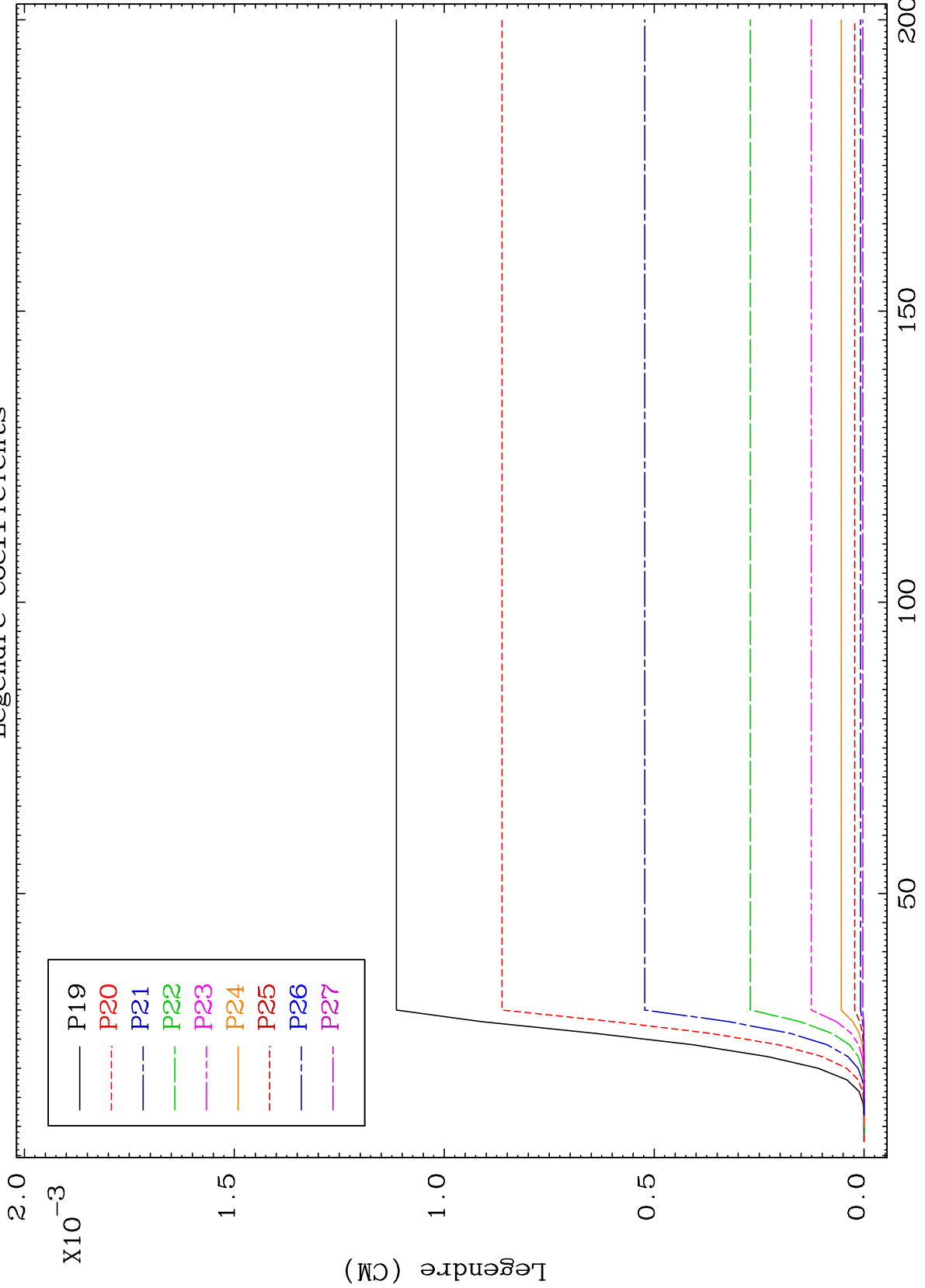
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



71

Incident Energy (MeV)

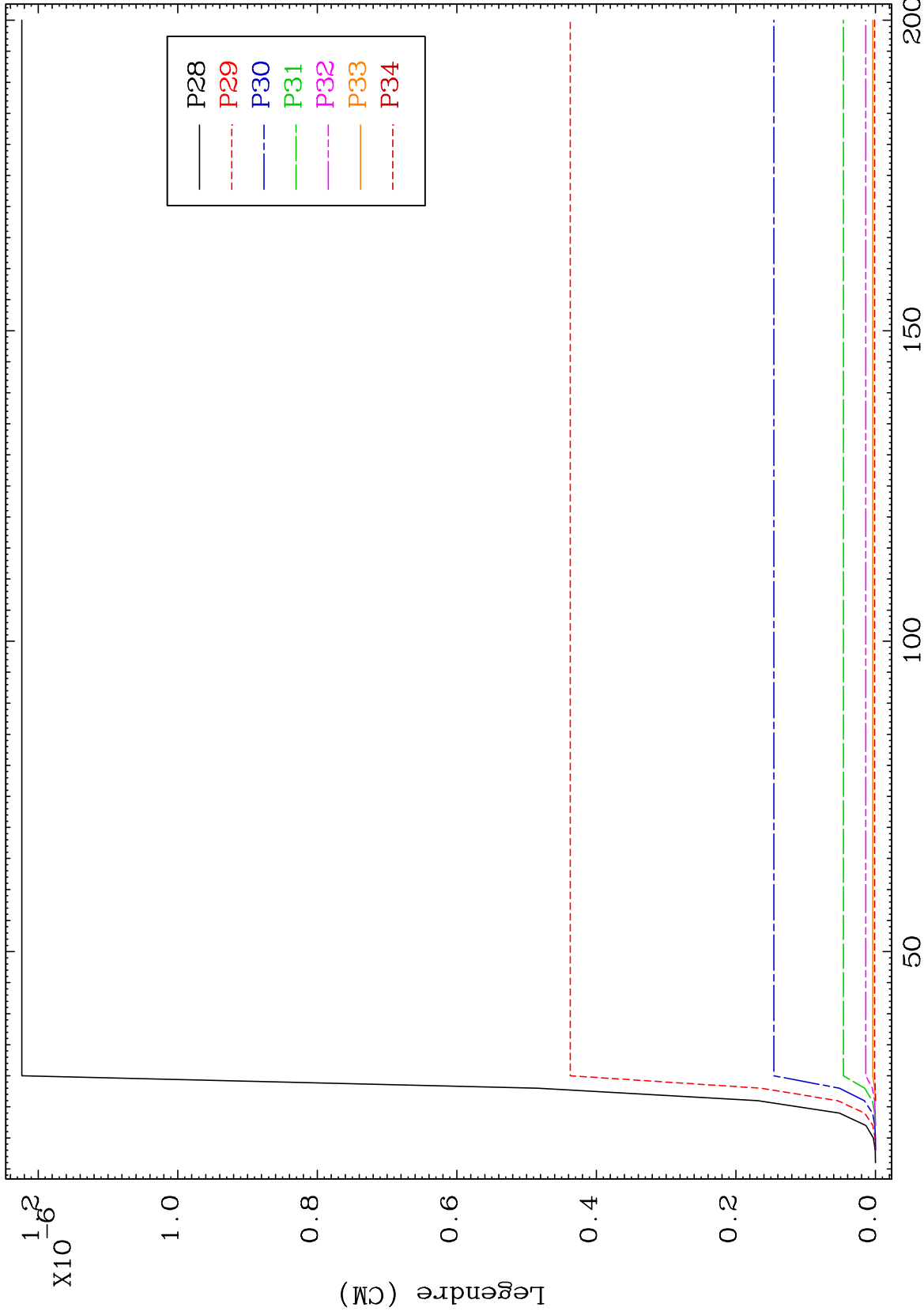
49-In-119



MAT 4943

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

49-In-119



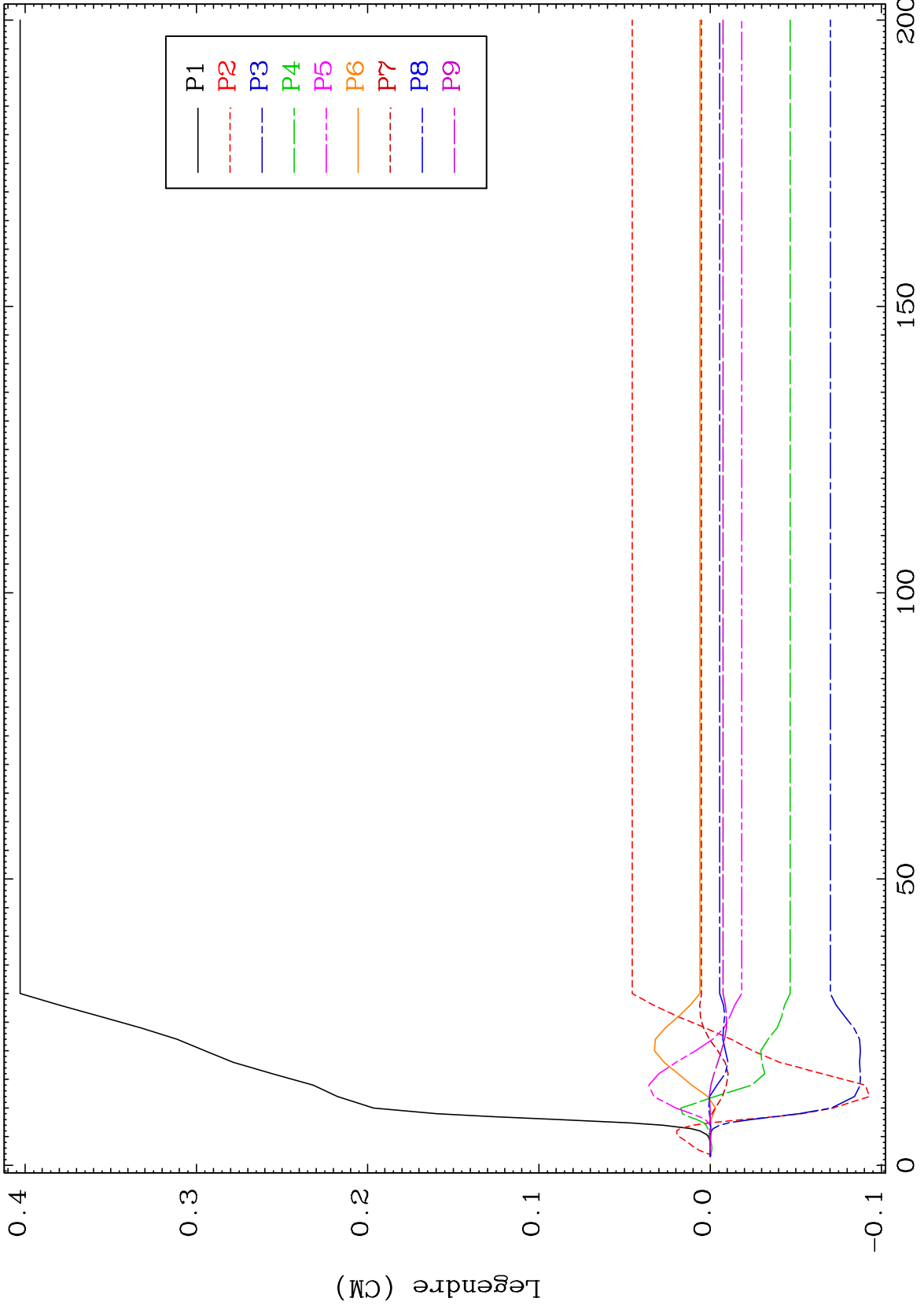
72

49-In-119

MAT 4943

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

49-In-119



73

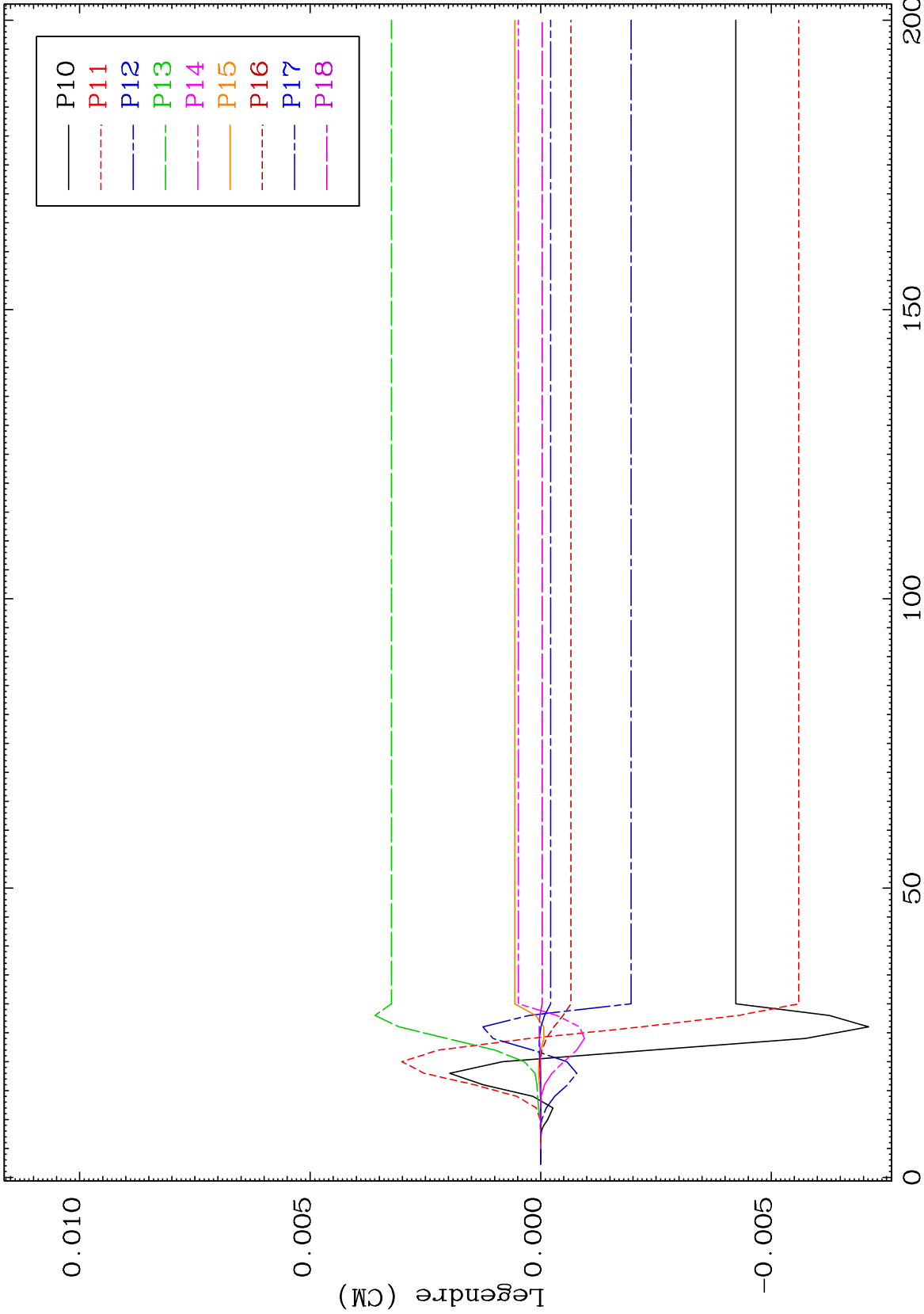
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



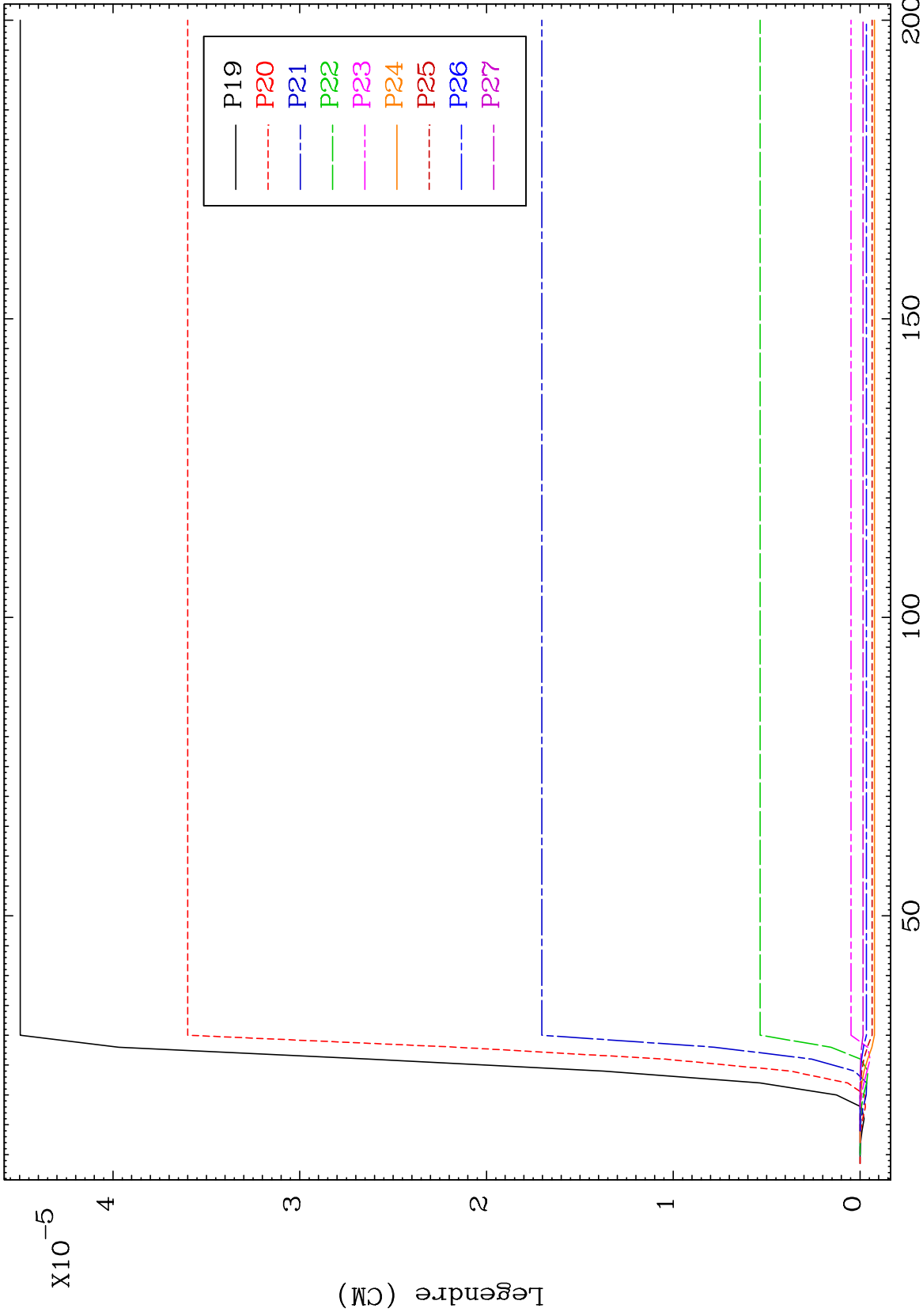
74

49-In-119

MAT 4943

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

49-In-119



75

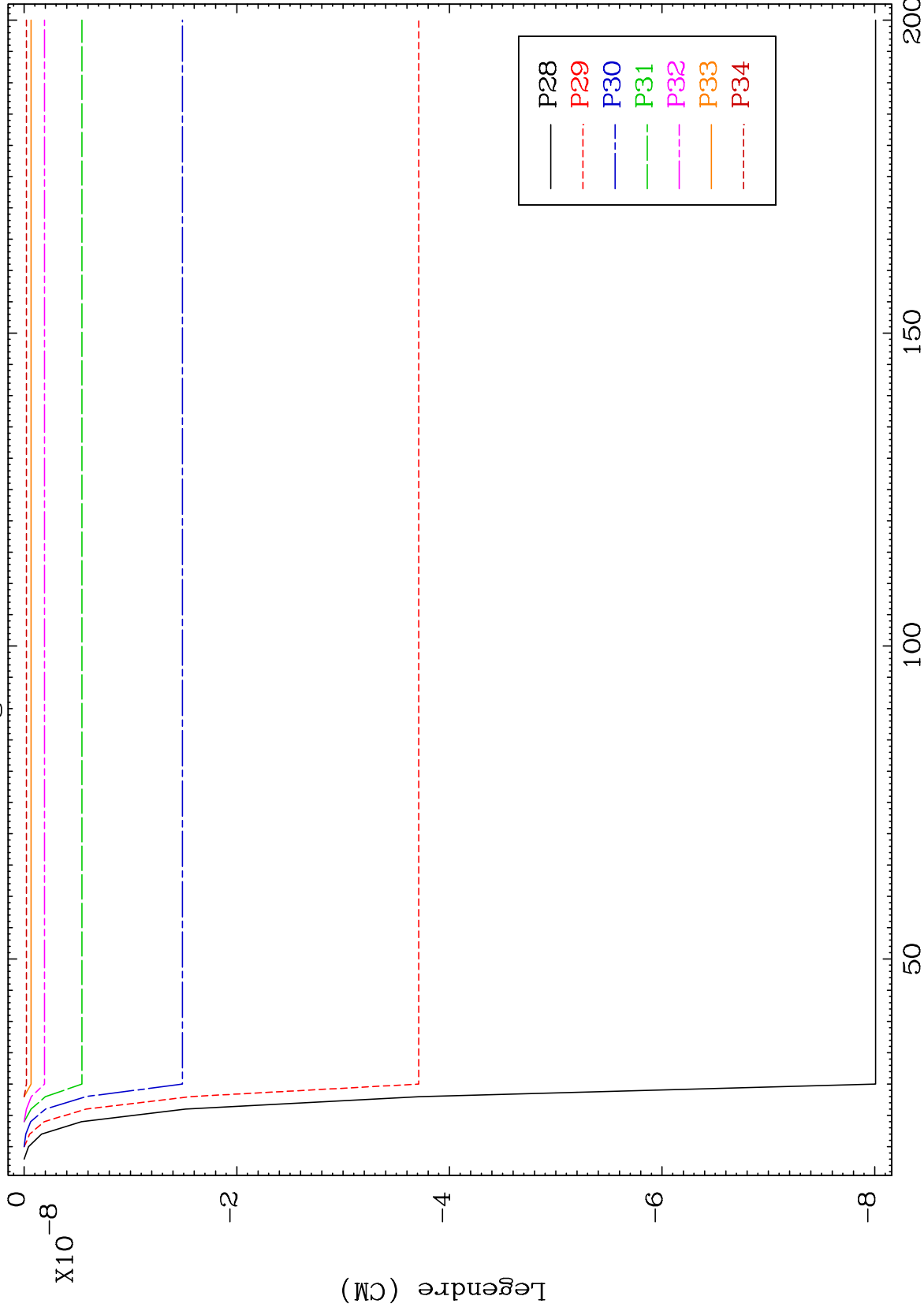
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



49-In-119

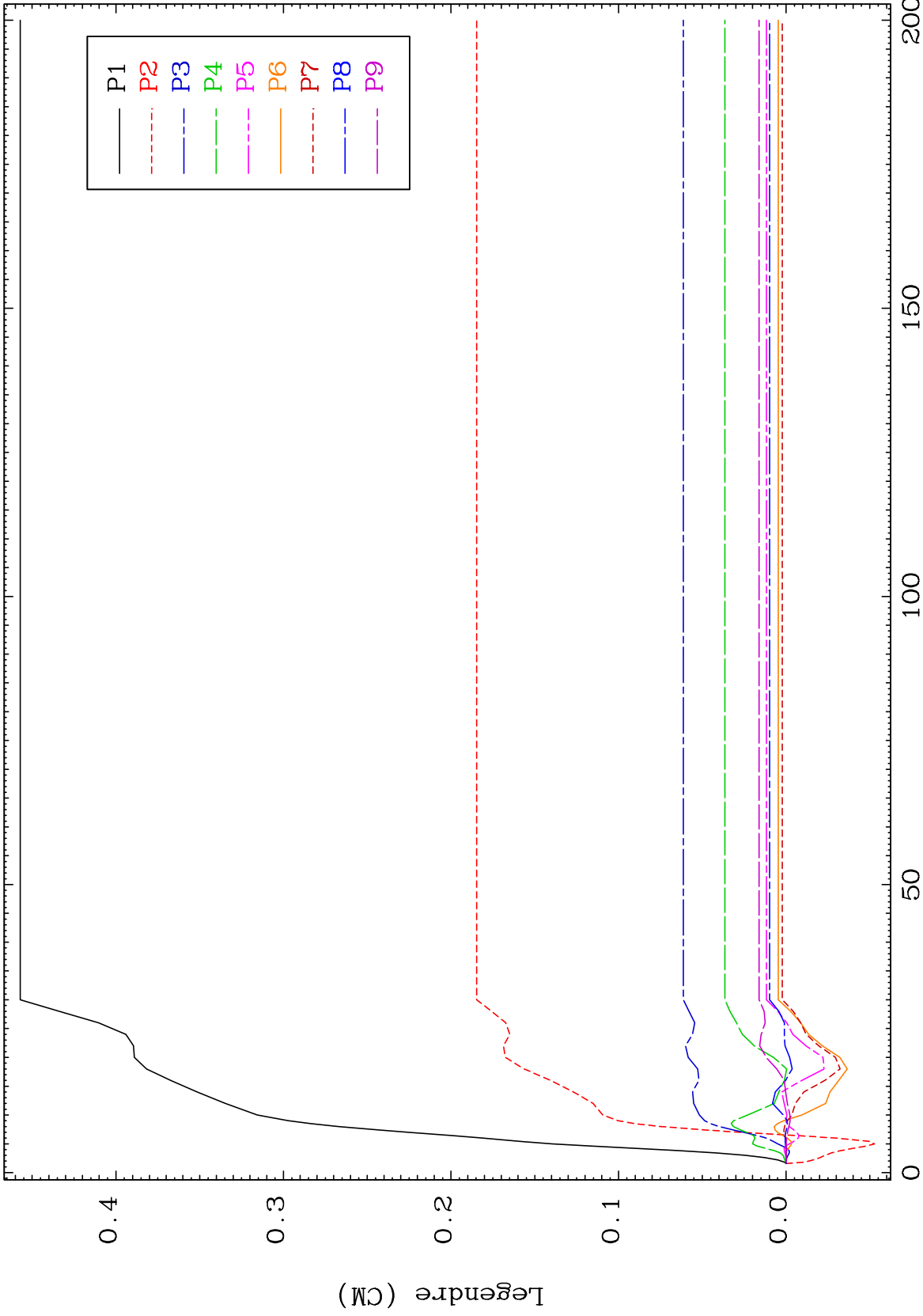
Incident Energy (MeV)

76

MAT 4943

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

49-In-119



77

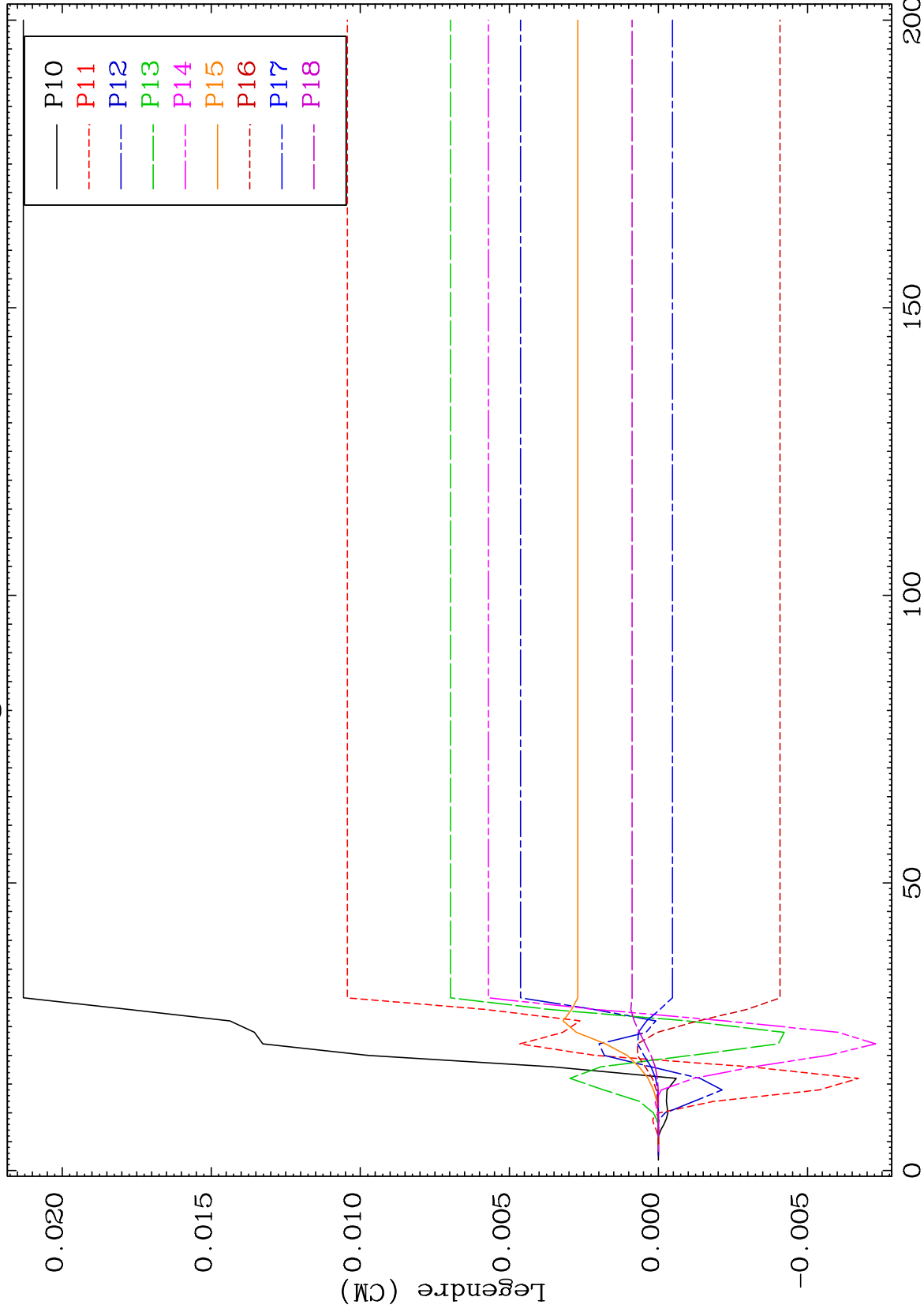
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



78

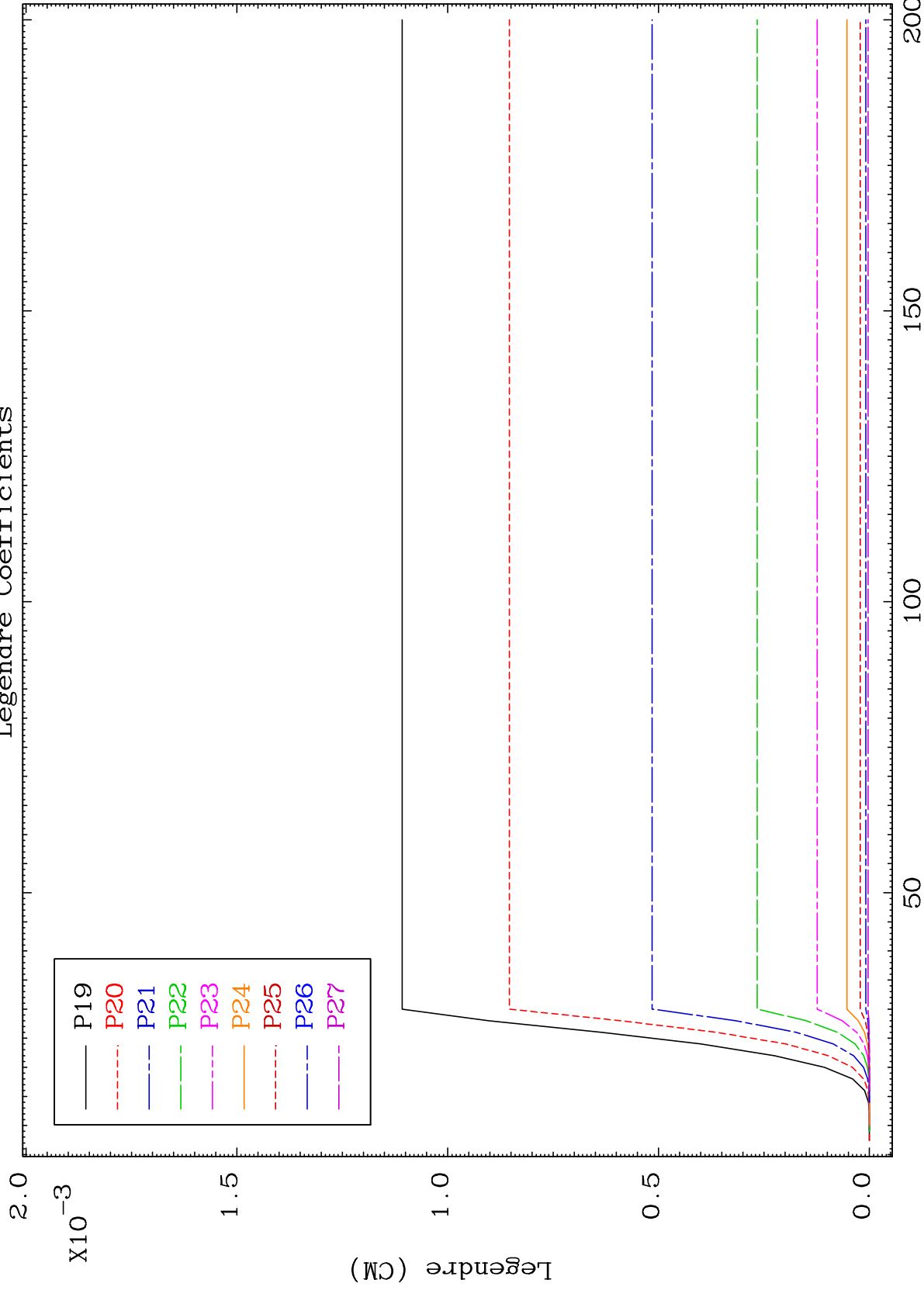
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



79

Incident Energy (MeV)

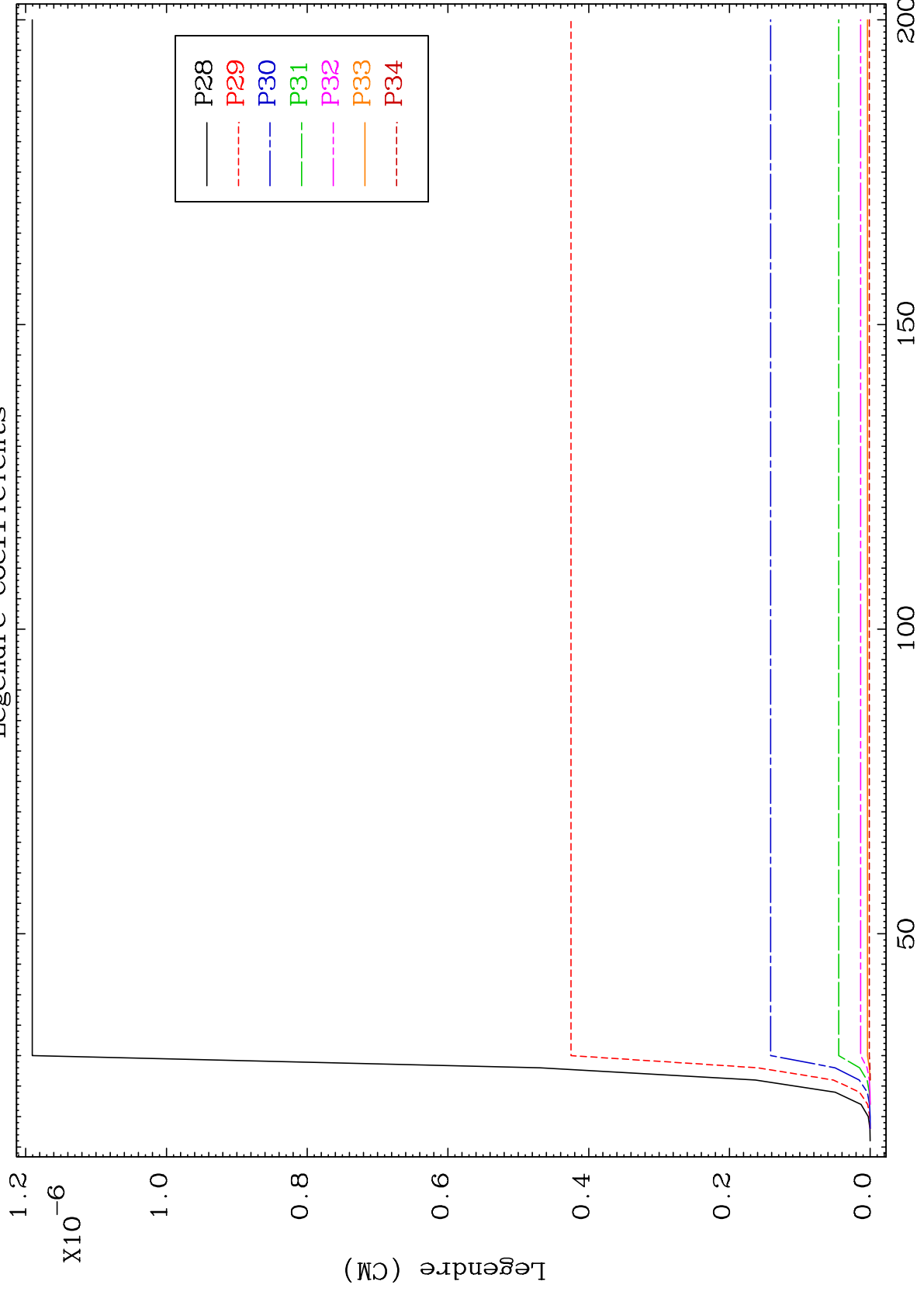
49-In-119



MAT 4943

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

49-In-119



80

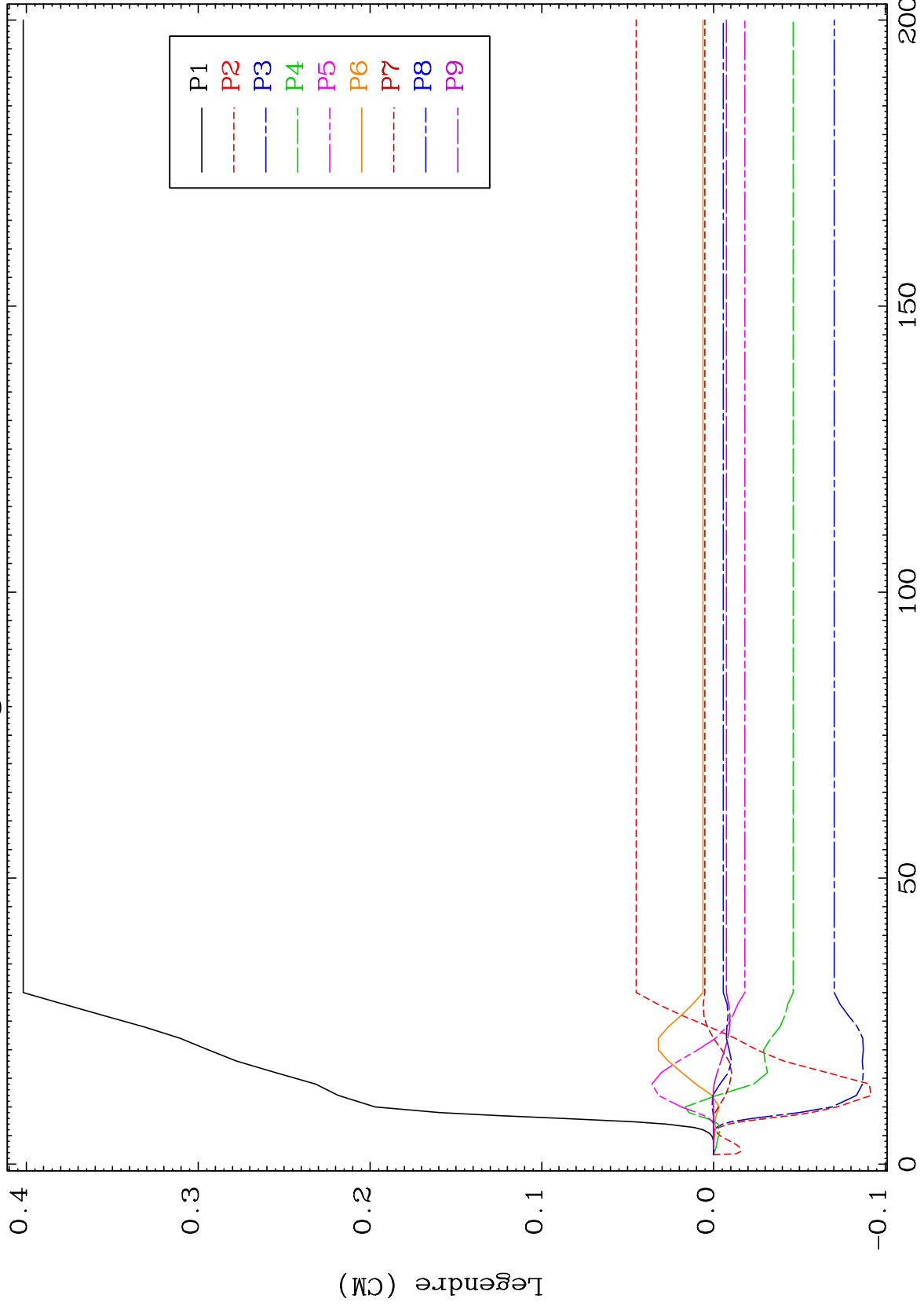
Incident Energy (MeV)

49-In-119

MAT 4943

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

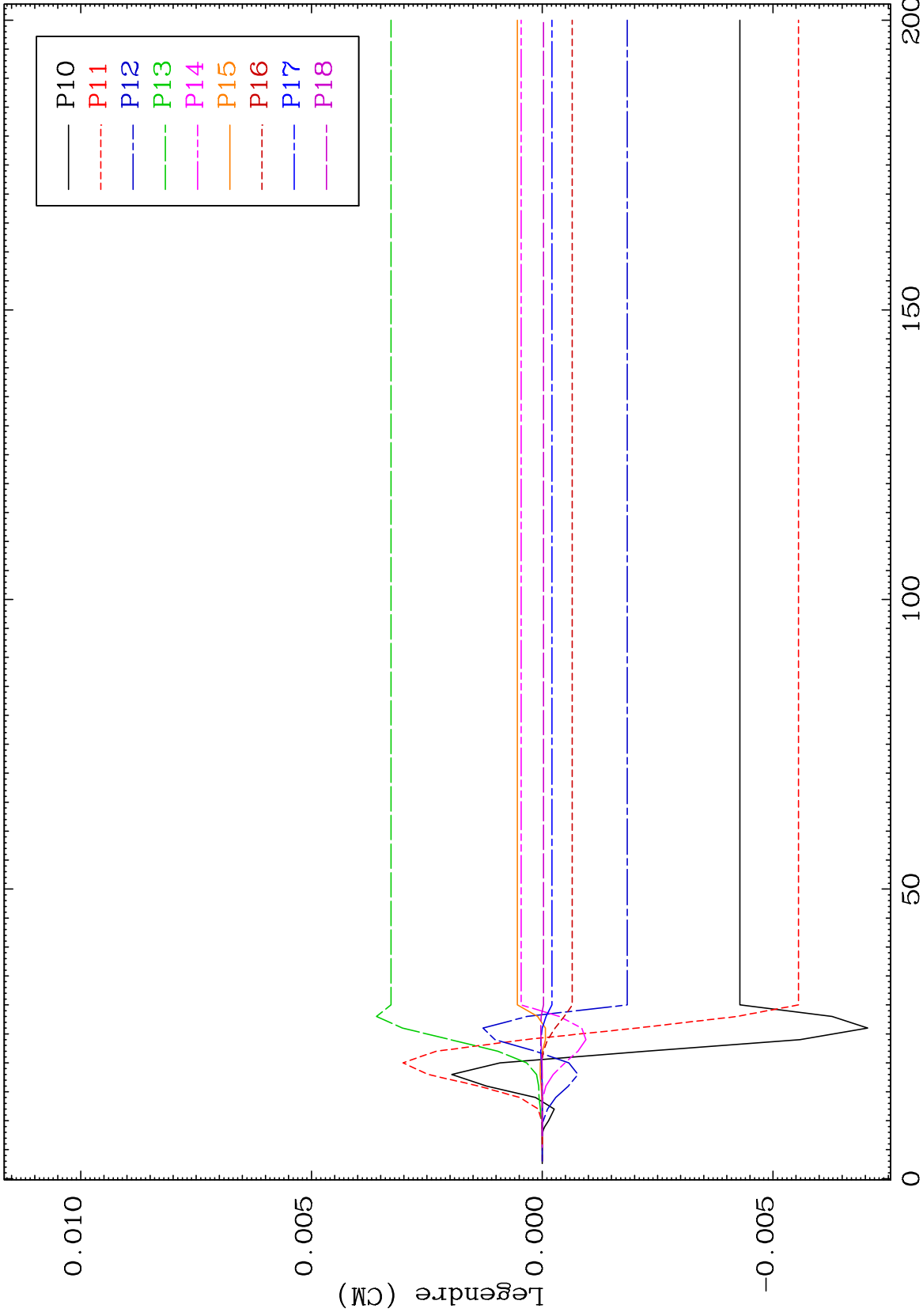
49-In-119



MAT 4943

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

49-In-119



82

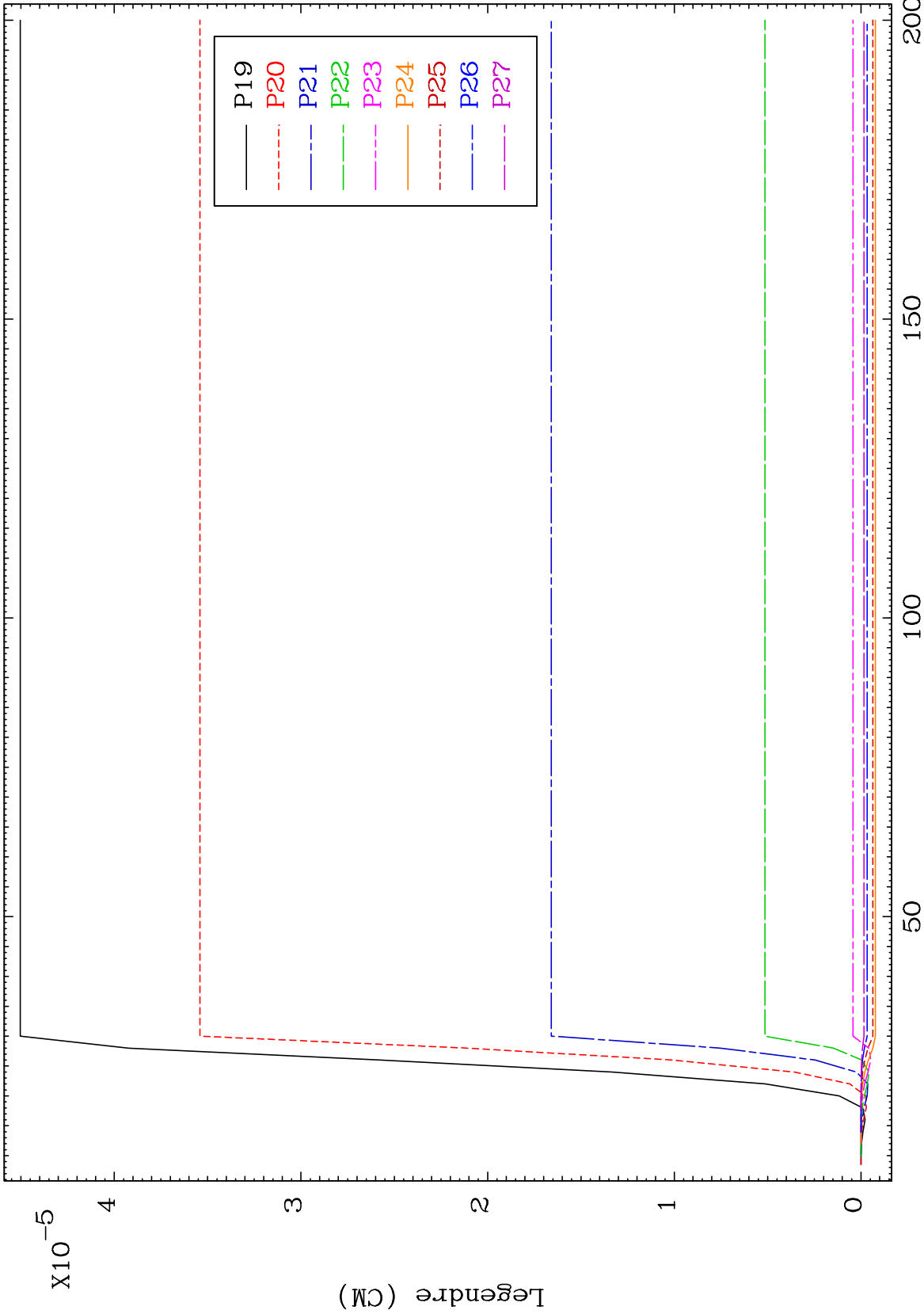
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



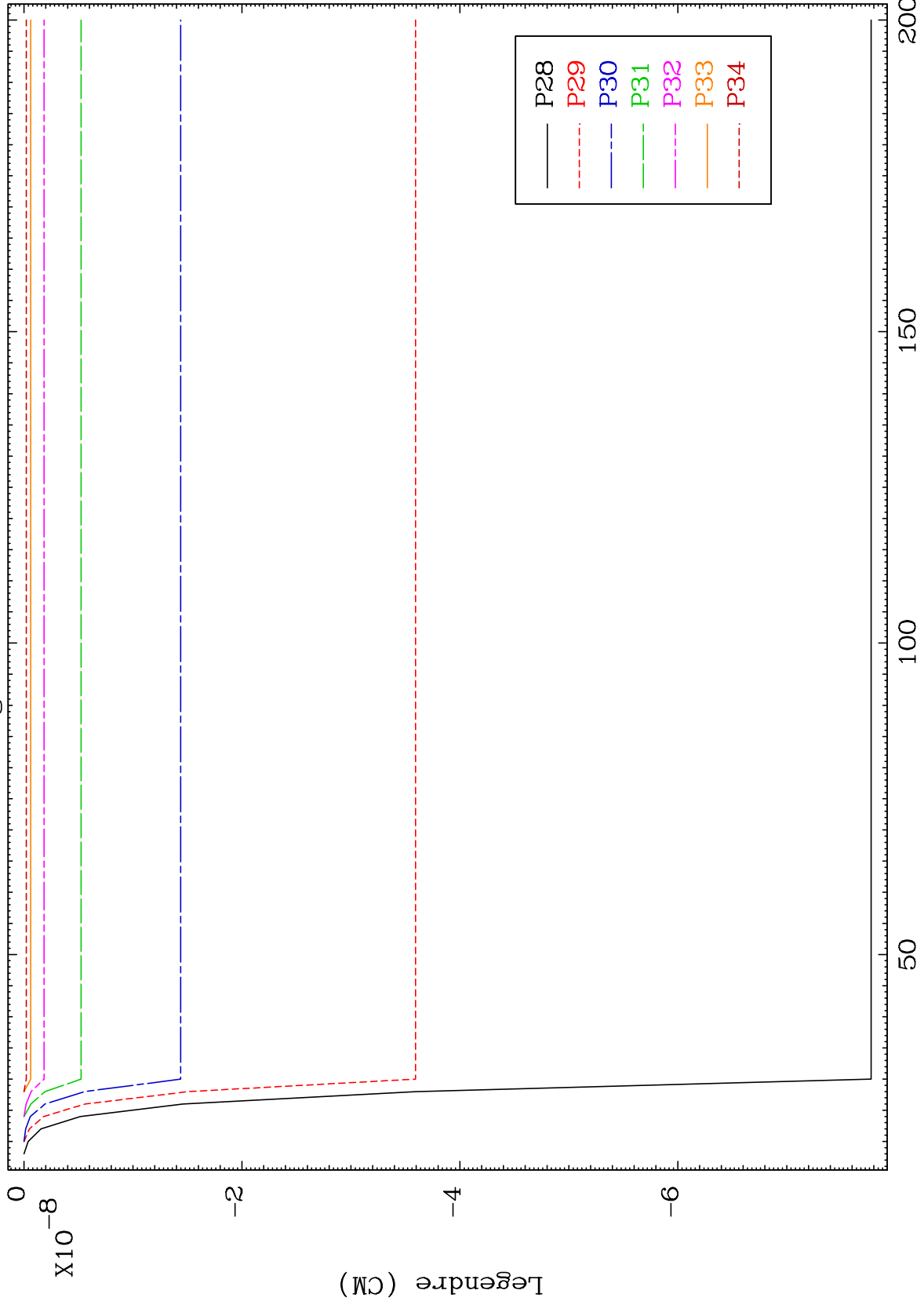
83

49-In-119

MAT 4943

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

49-In-119



84

Incident Energy (MeV)

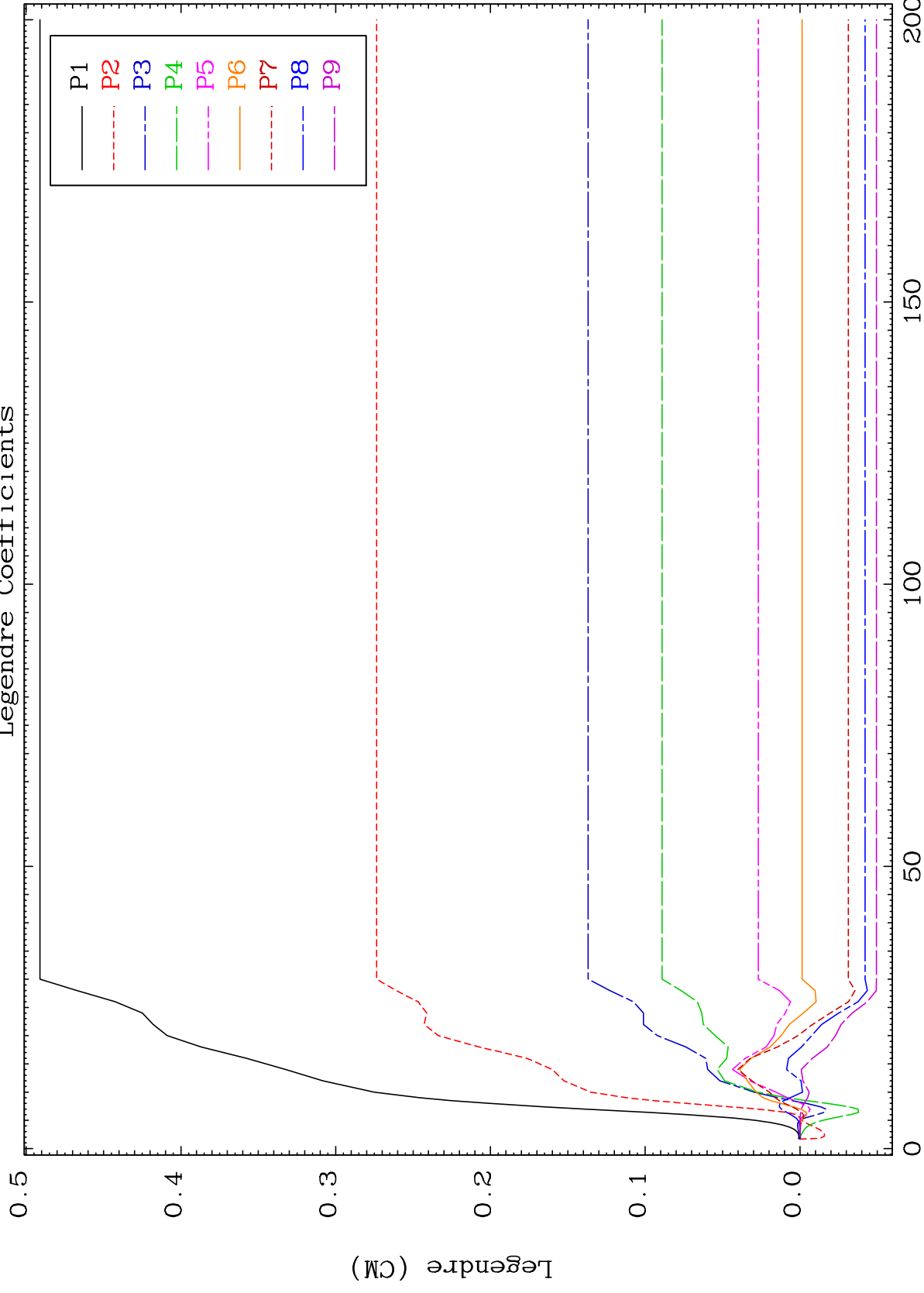
49-In-119

MAT 4943

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

49-In-119

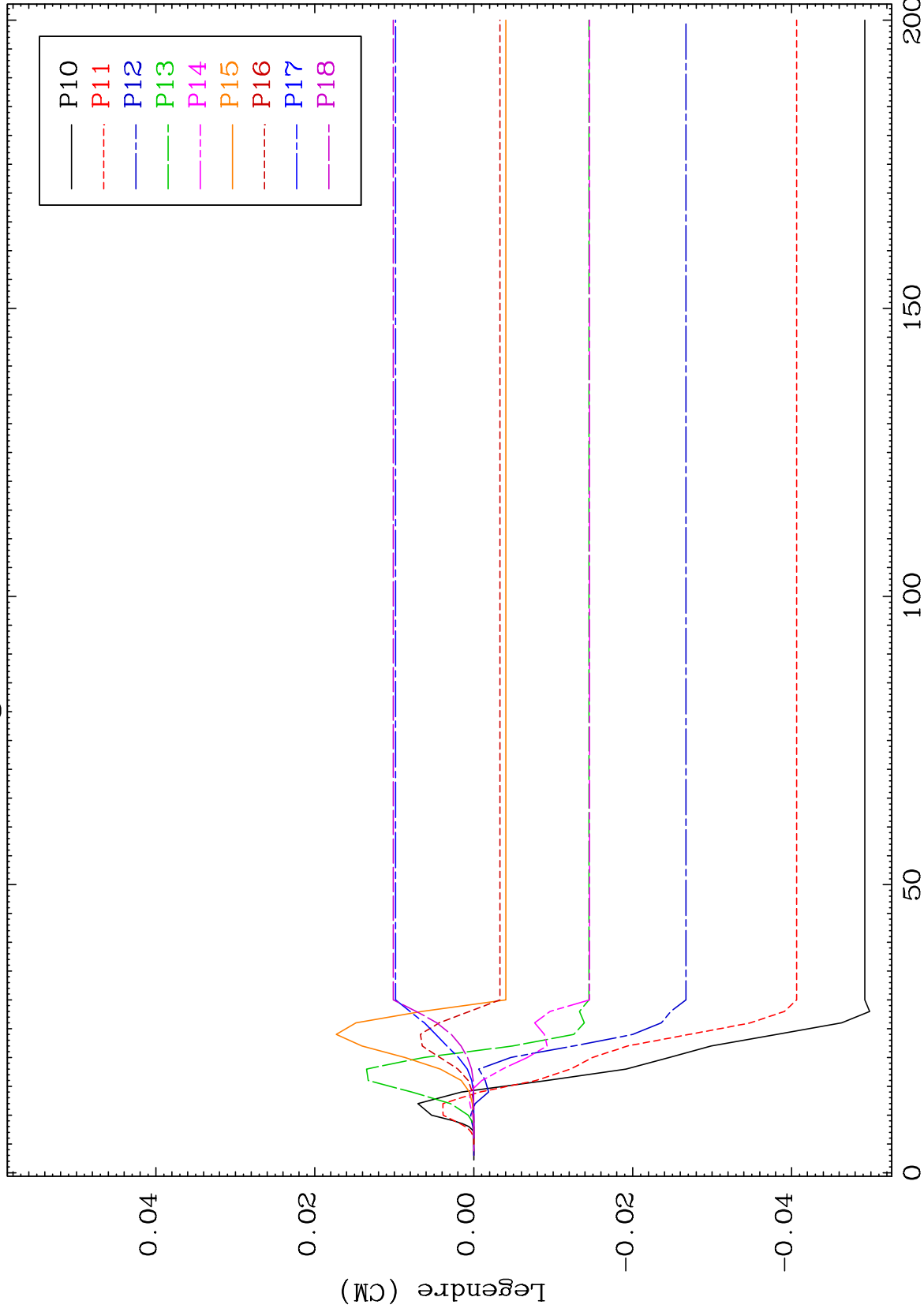
49-In-119



MAT 4943

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

49-In-119



86

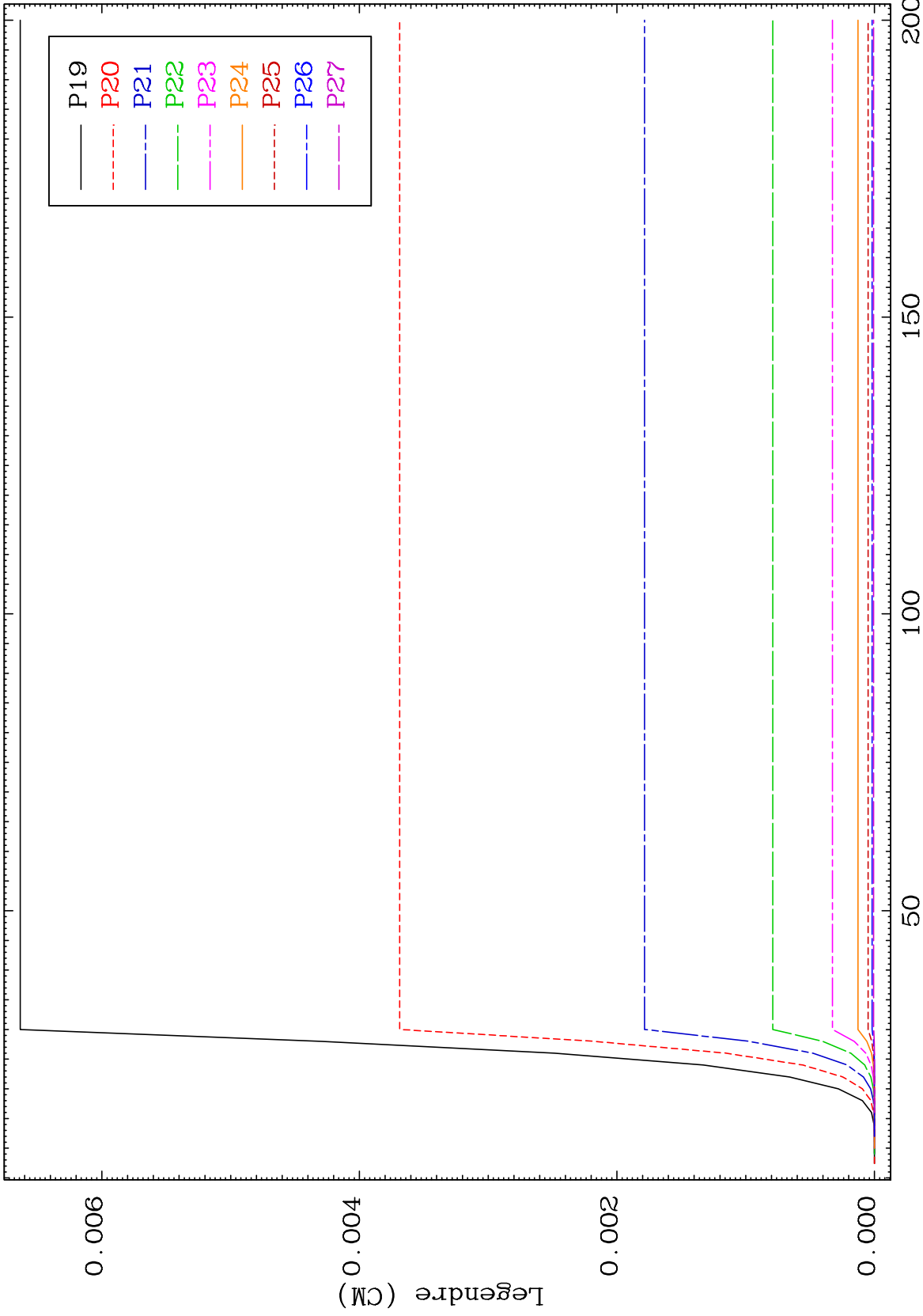
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



87

Incident Energy (MeV)

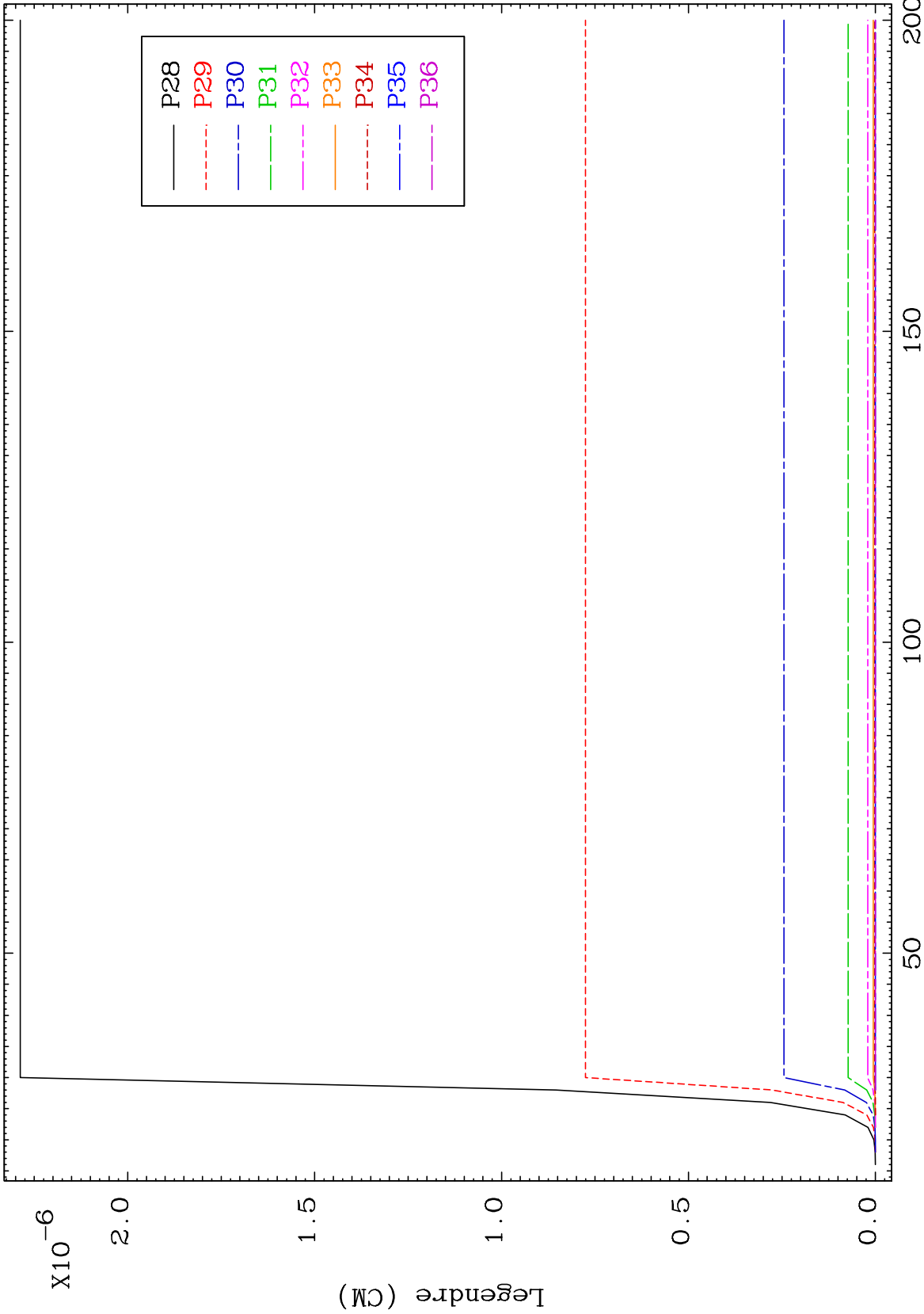
49-In-119



MAT 4943

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

49-In-119



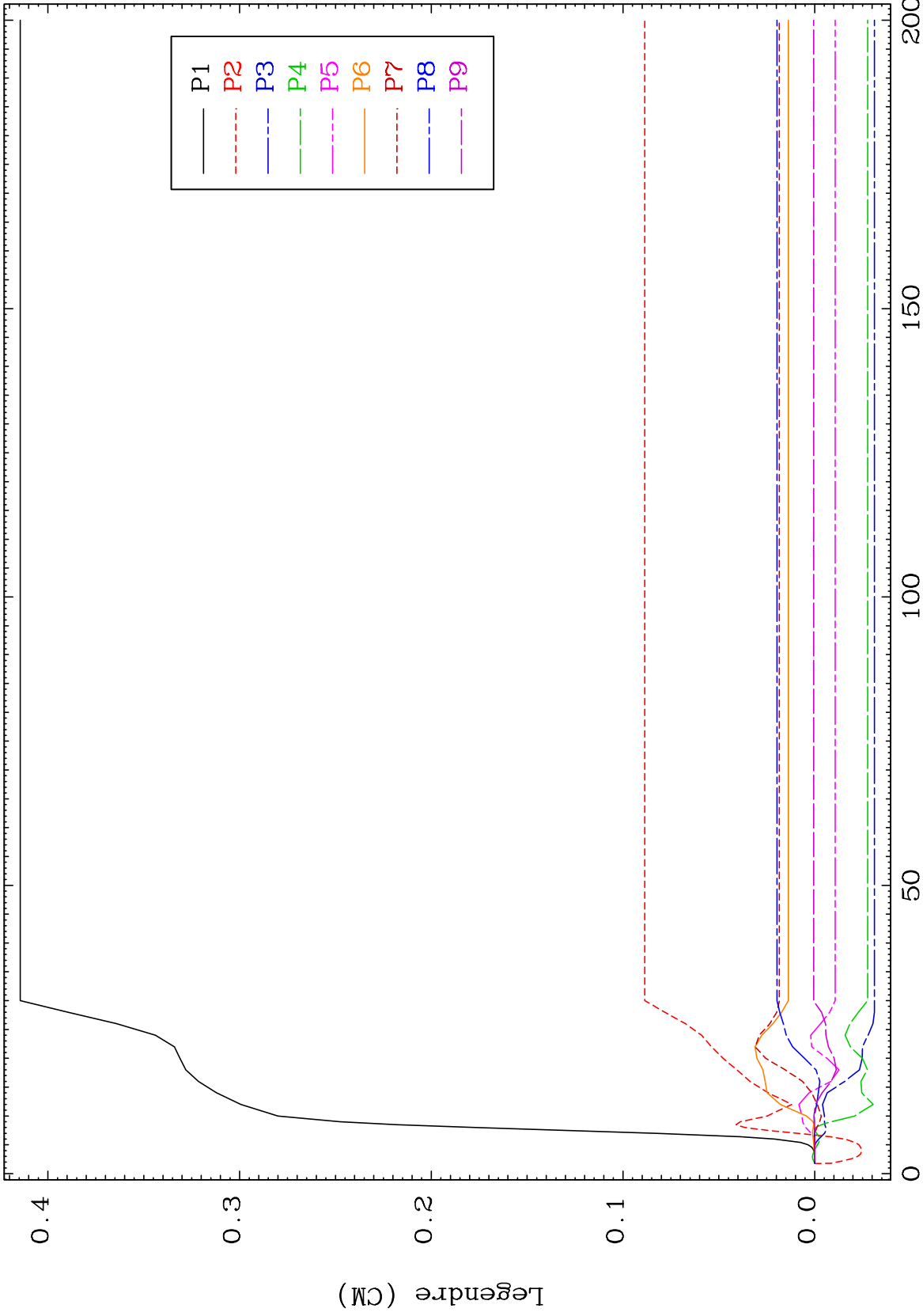
88

49-In-119

MAT 4943

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

49-In-119



89

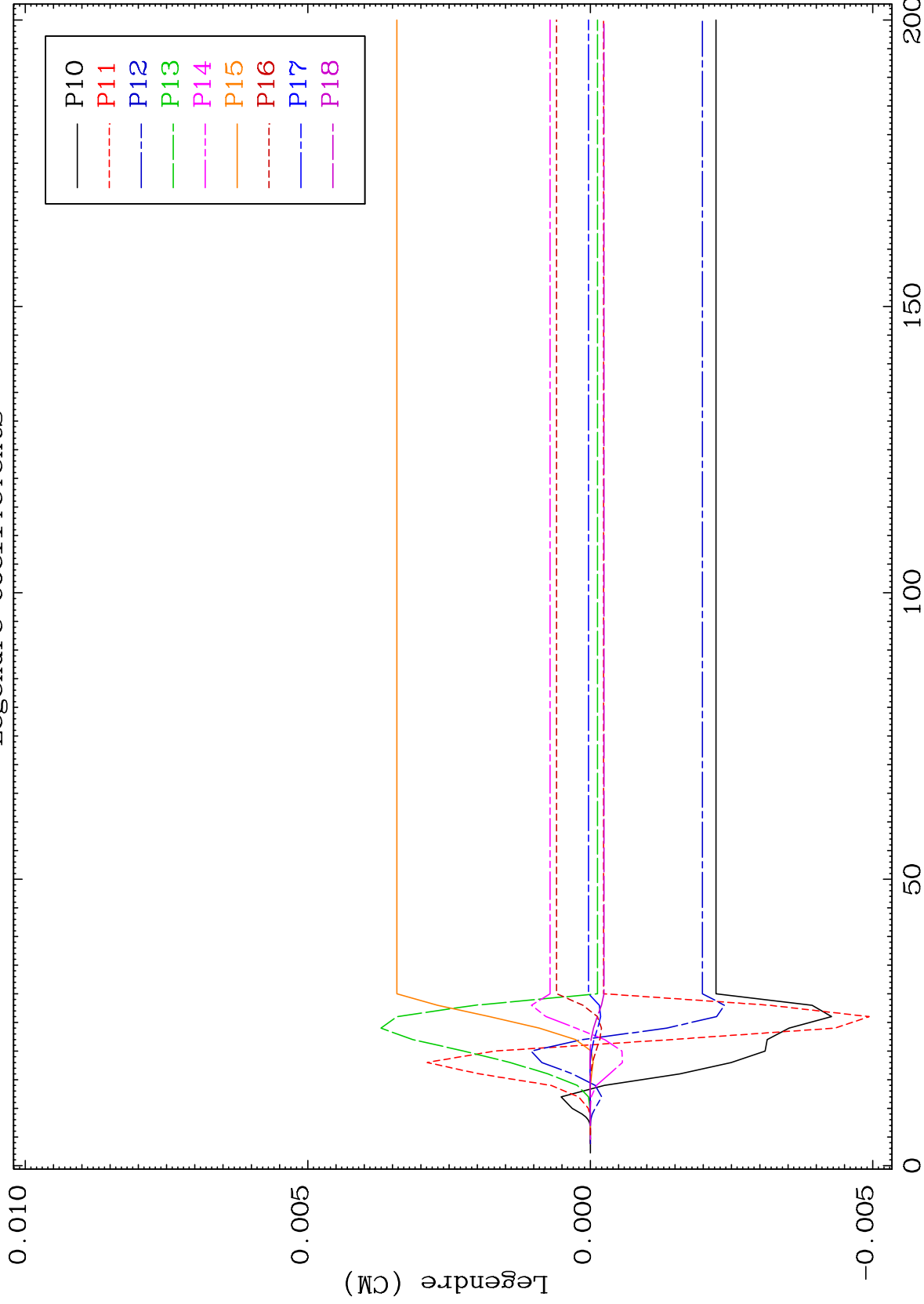
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



90

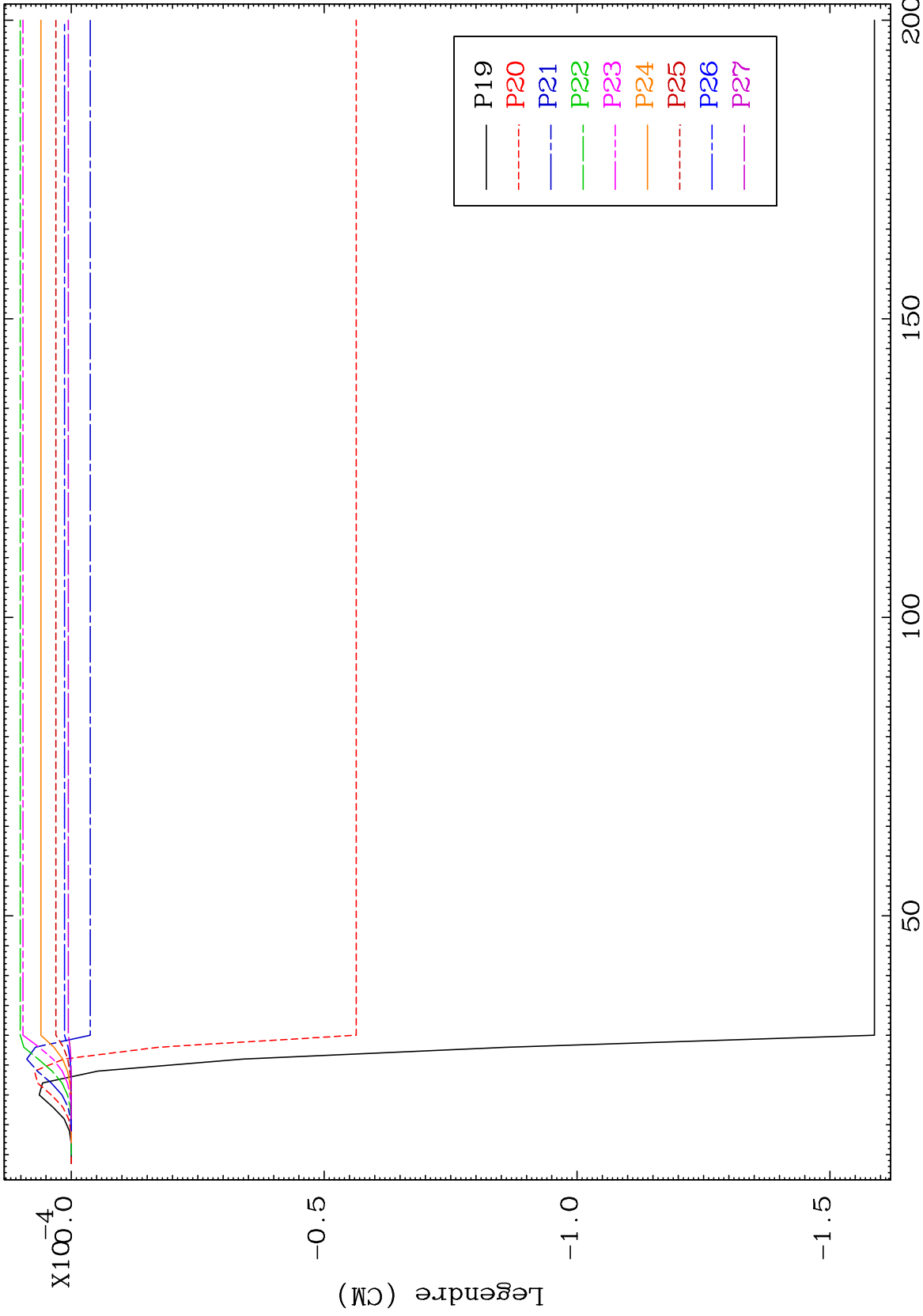
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



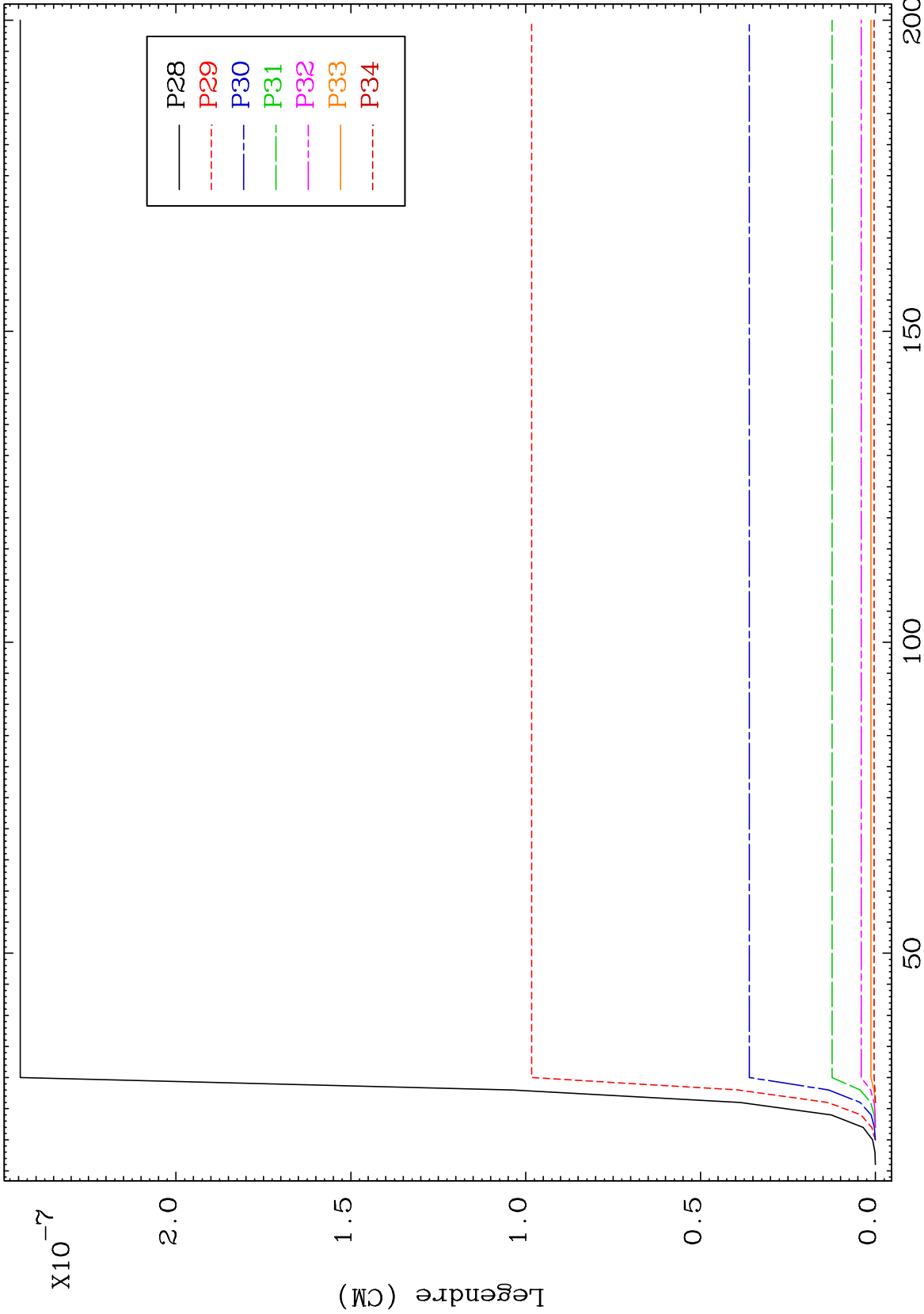
91

49-In-119

MAT 4943

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

49-In-119



92

Incident Energy (MeV)

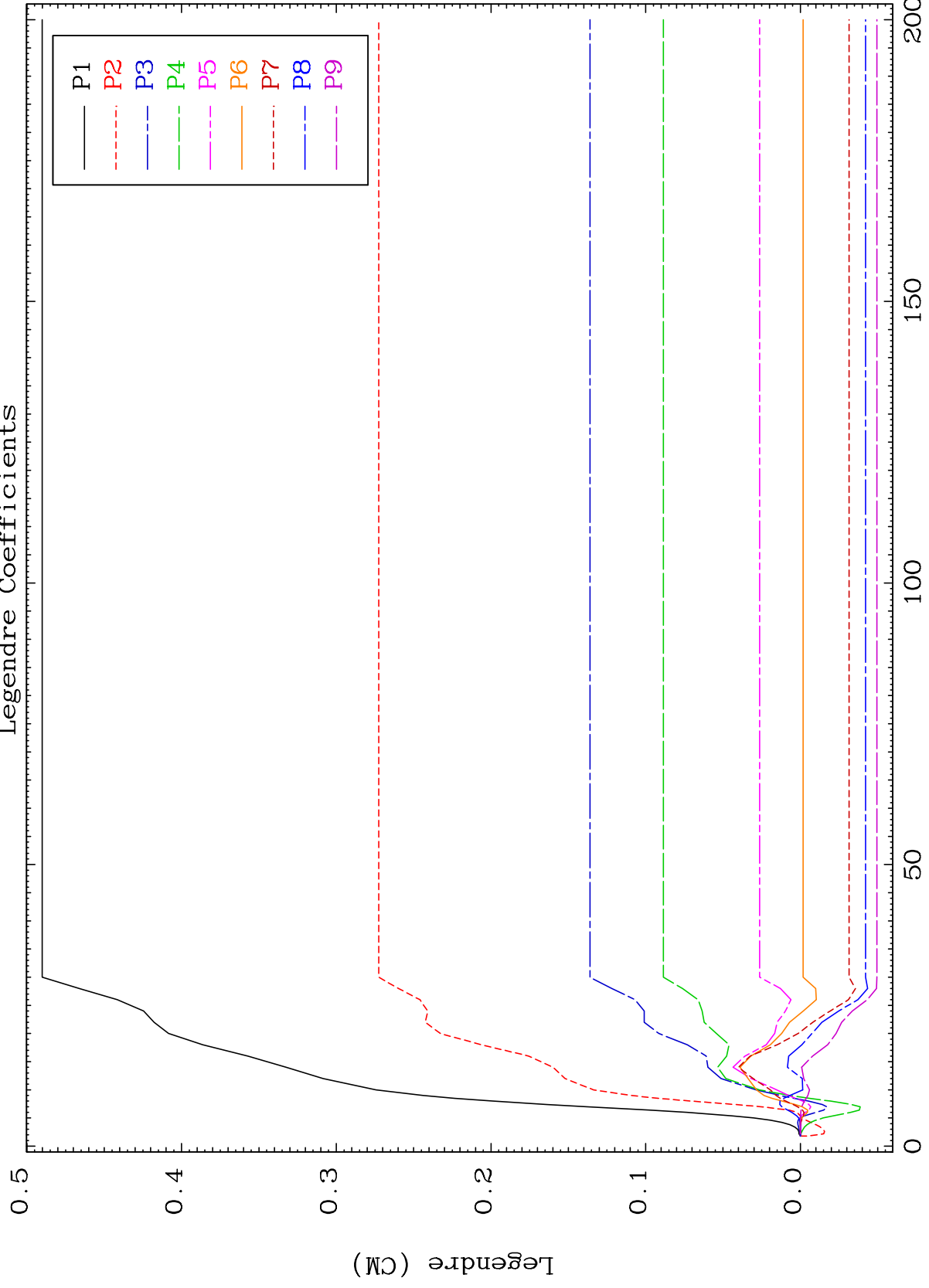
49-In-119

MAT 4943

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

49-In-119

49-In-119

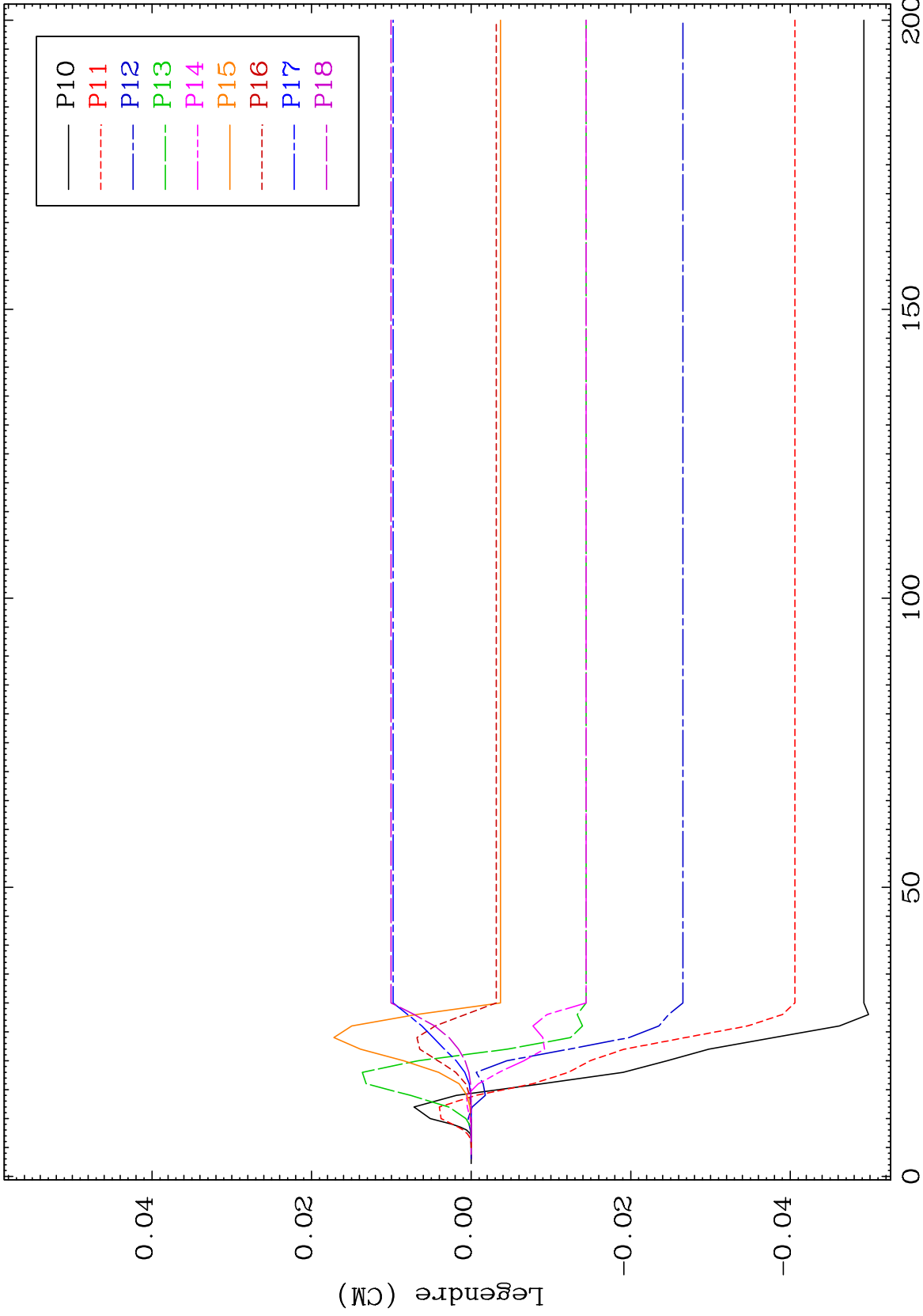


93

MAT 4943

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

49-In-119



94

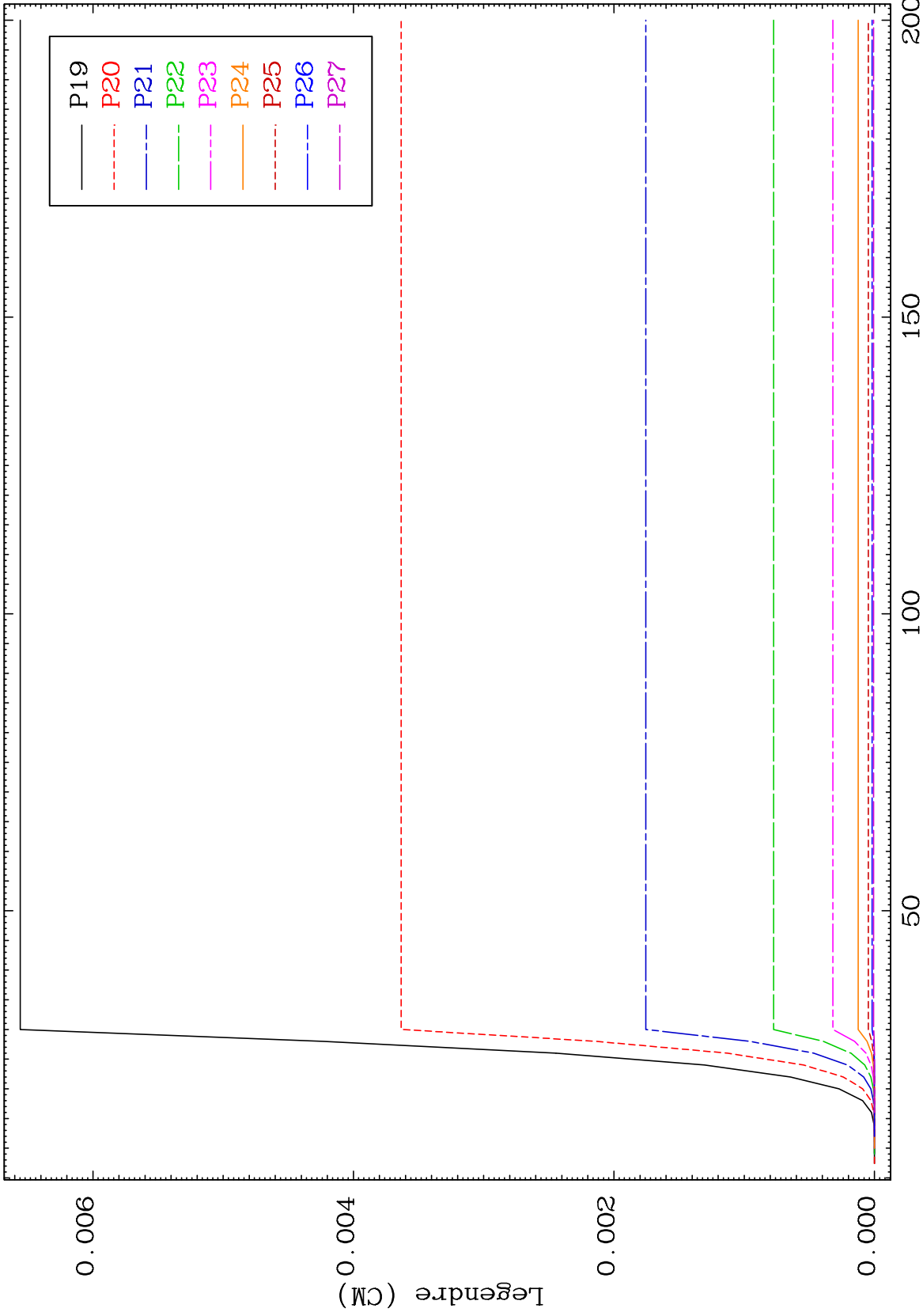
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



95

Incident Energy (MeV)

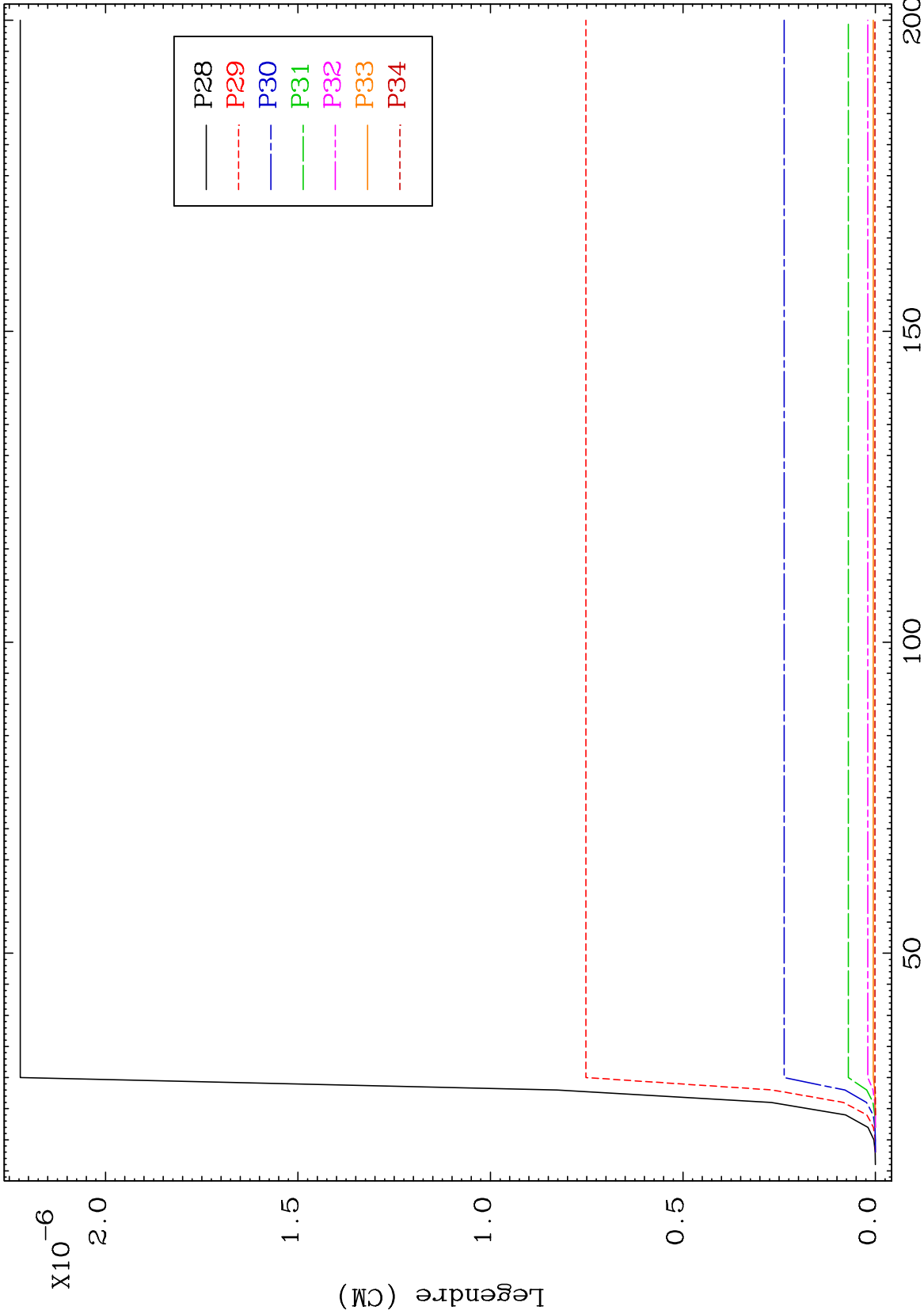
49-In-119



MAT 4943

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

49-In-119



96

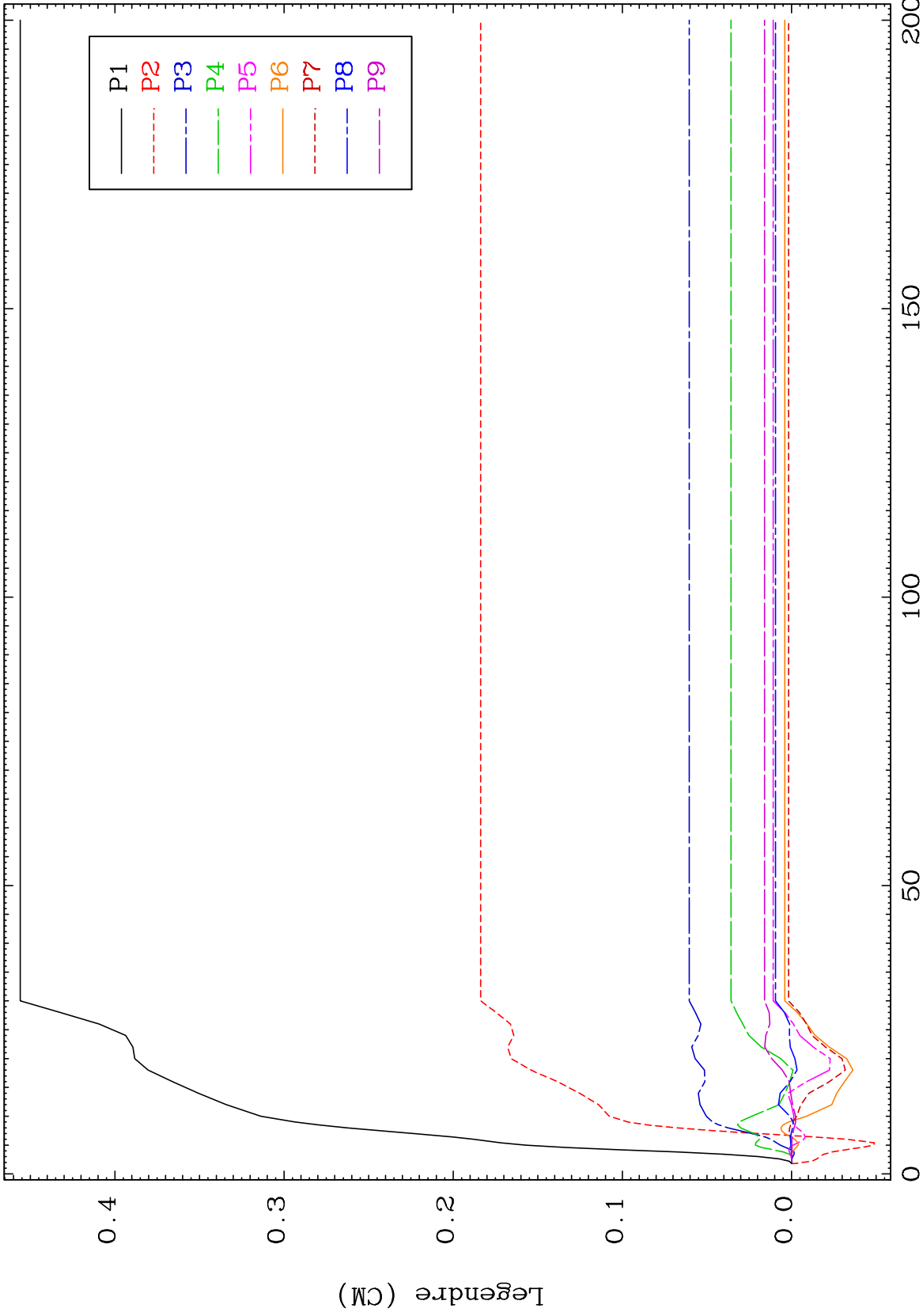
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



97

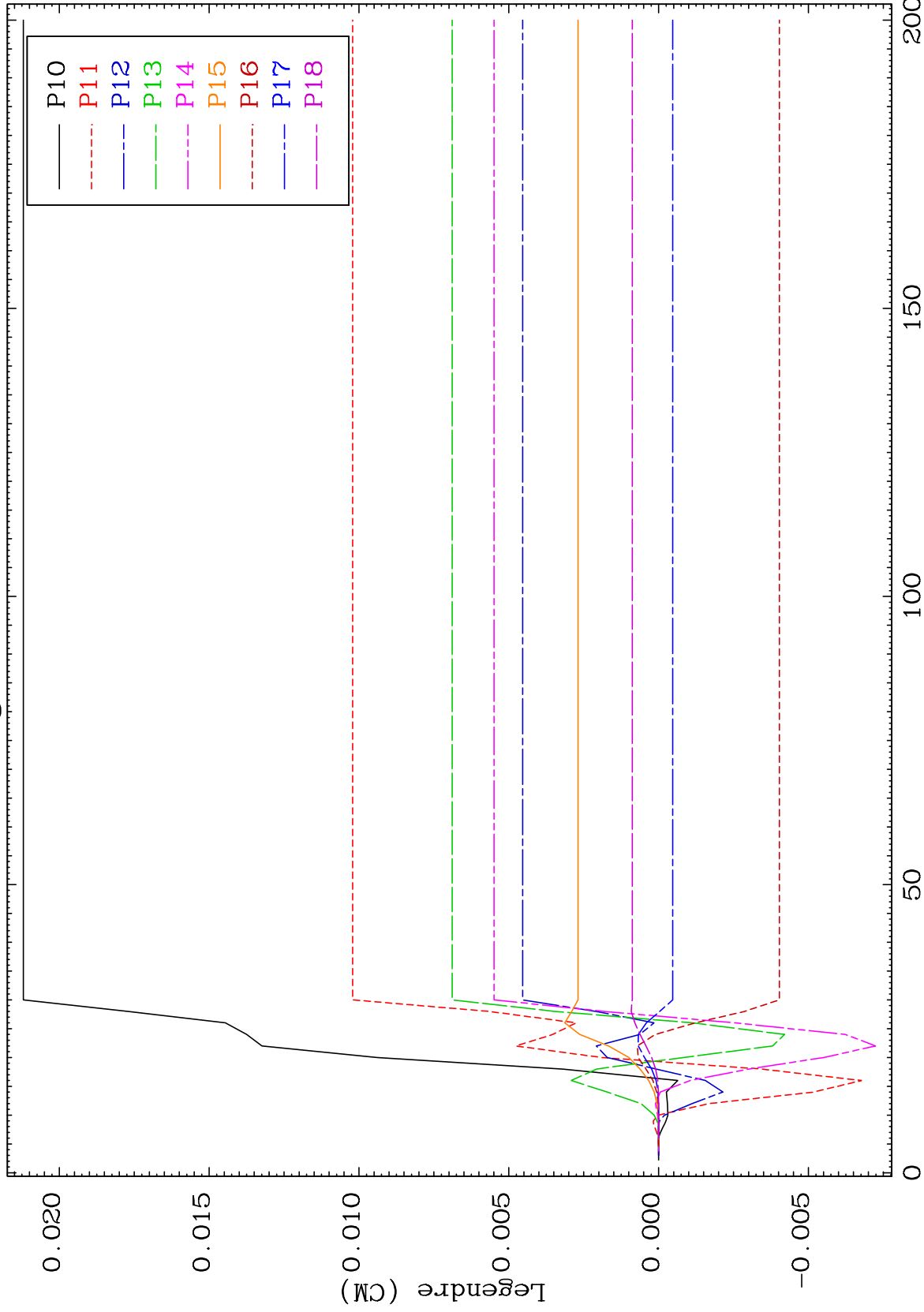
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



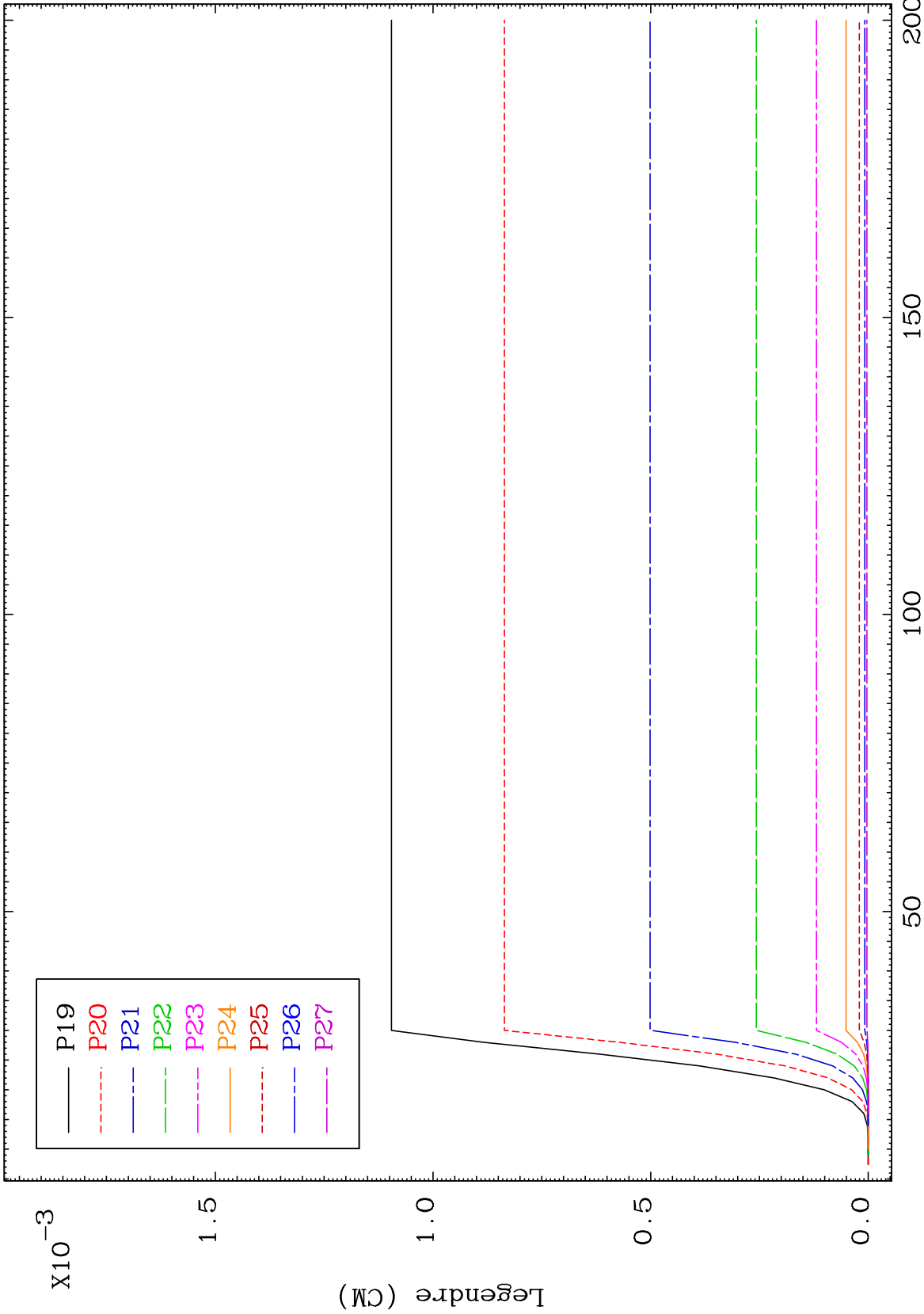
98

49-In-119

MAT 4943

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

49-In-119



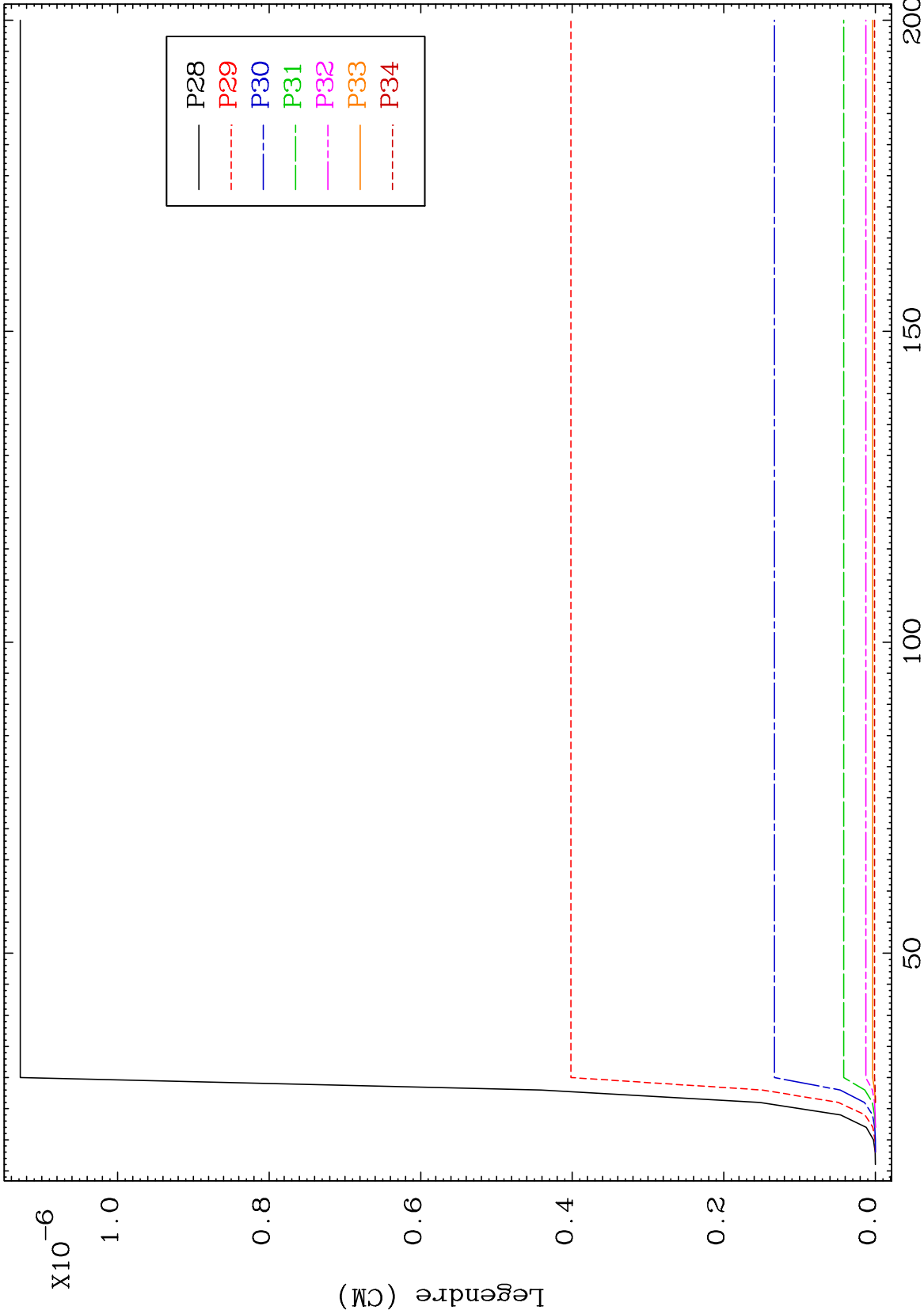
99

49-In-119

MAT 4943

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

49-In-119



100

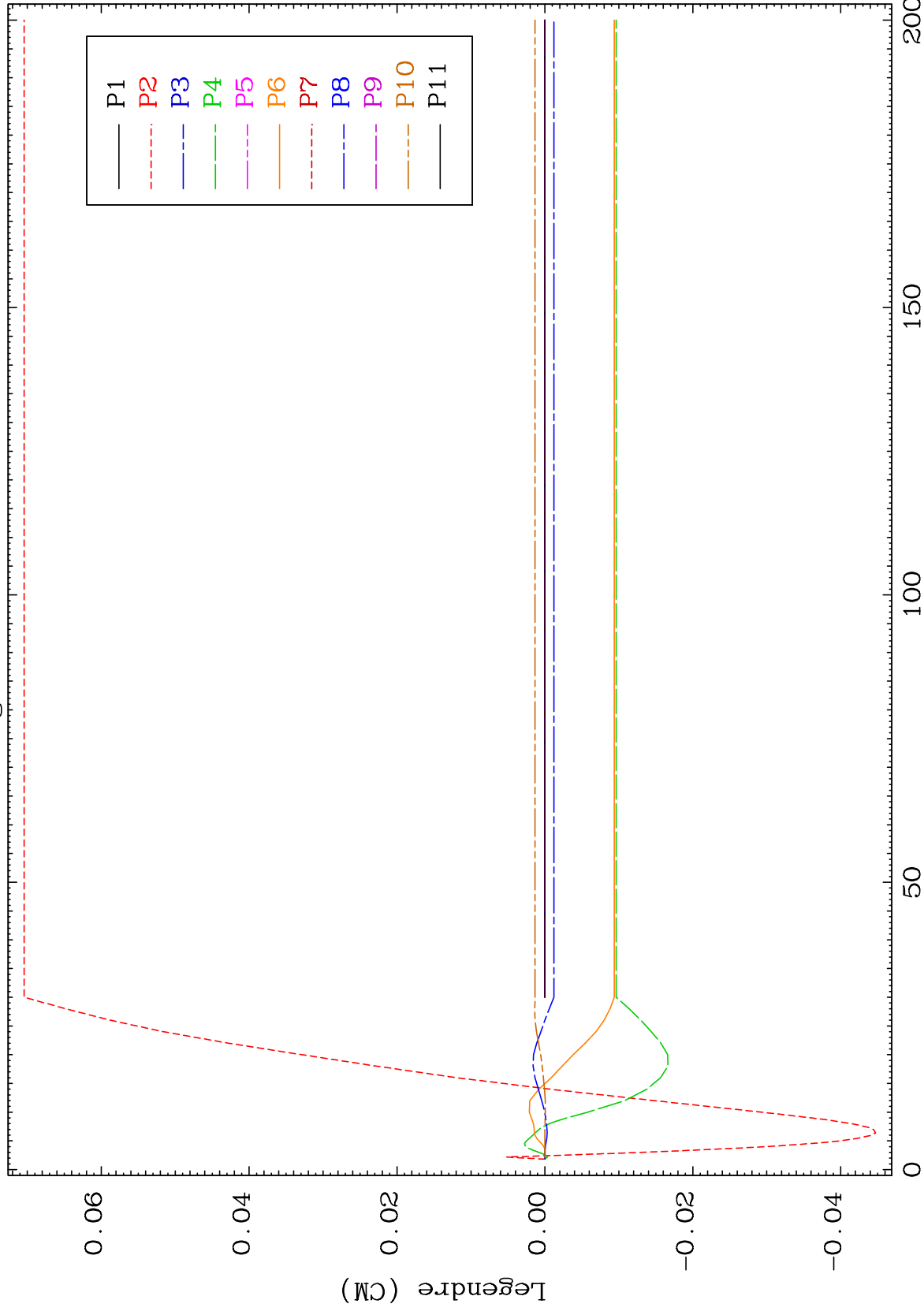
Incident Energy (MeV)

49-In-119

MAT 4943

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

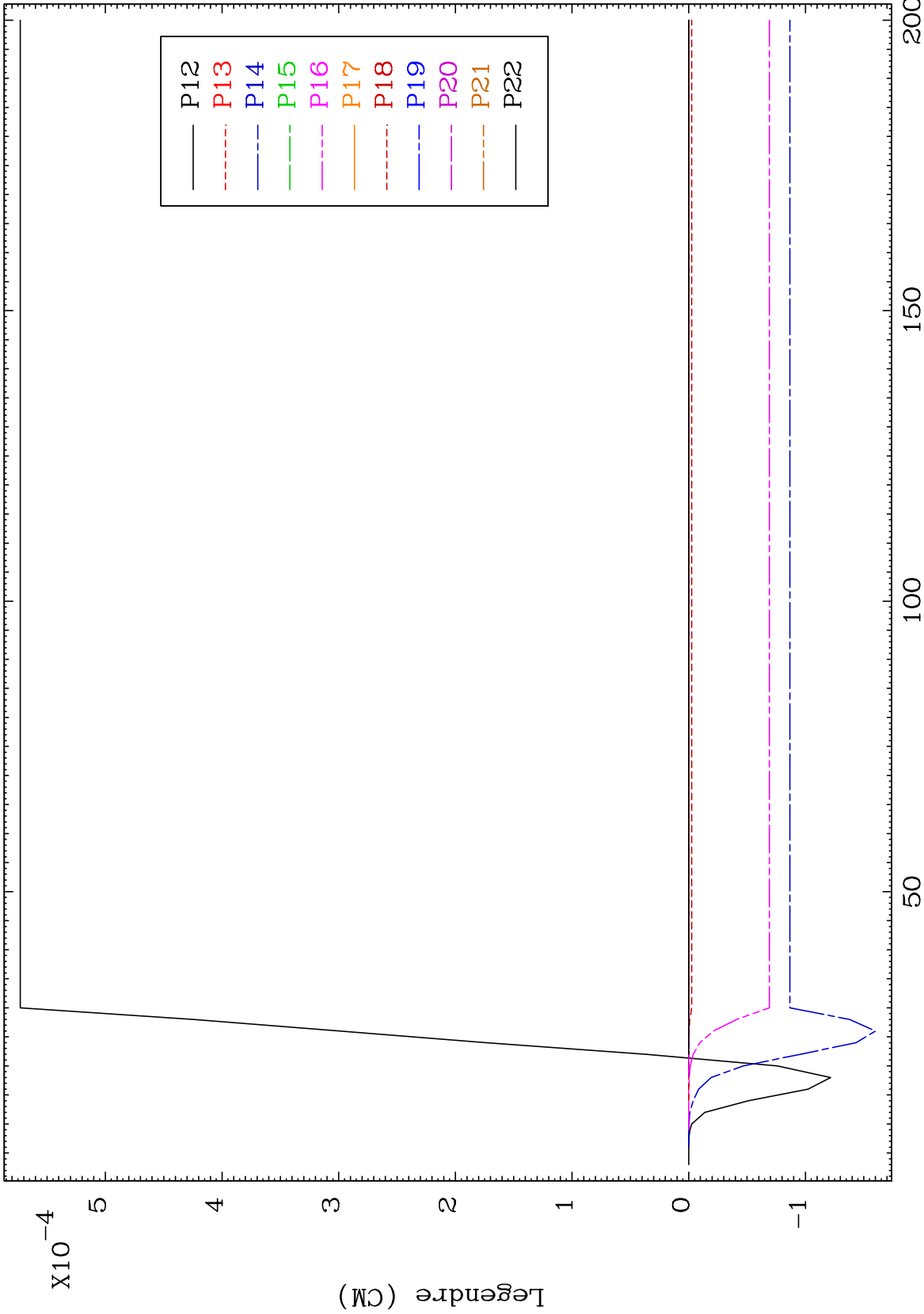
49-In-119



49-In-119

Incident Energy (MeV)

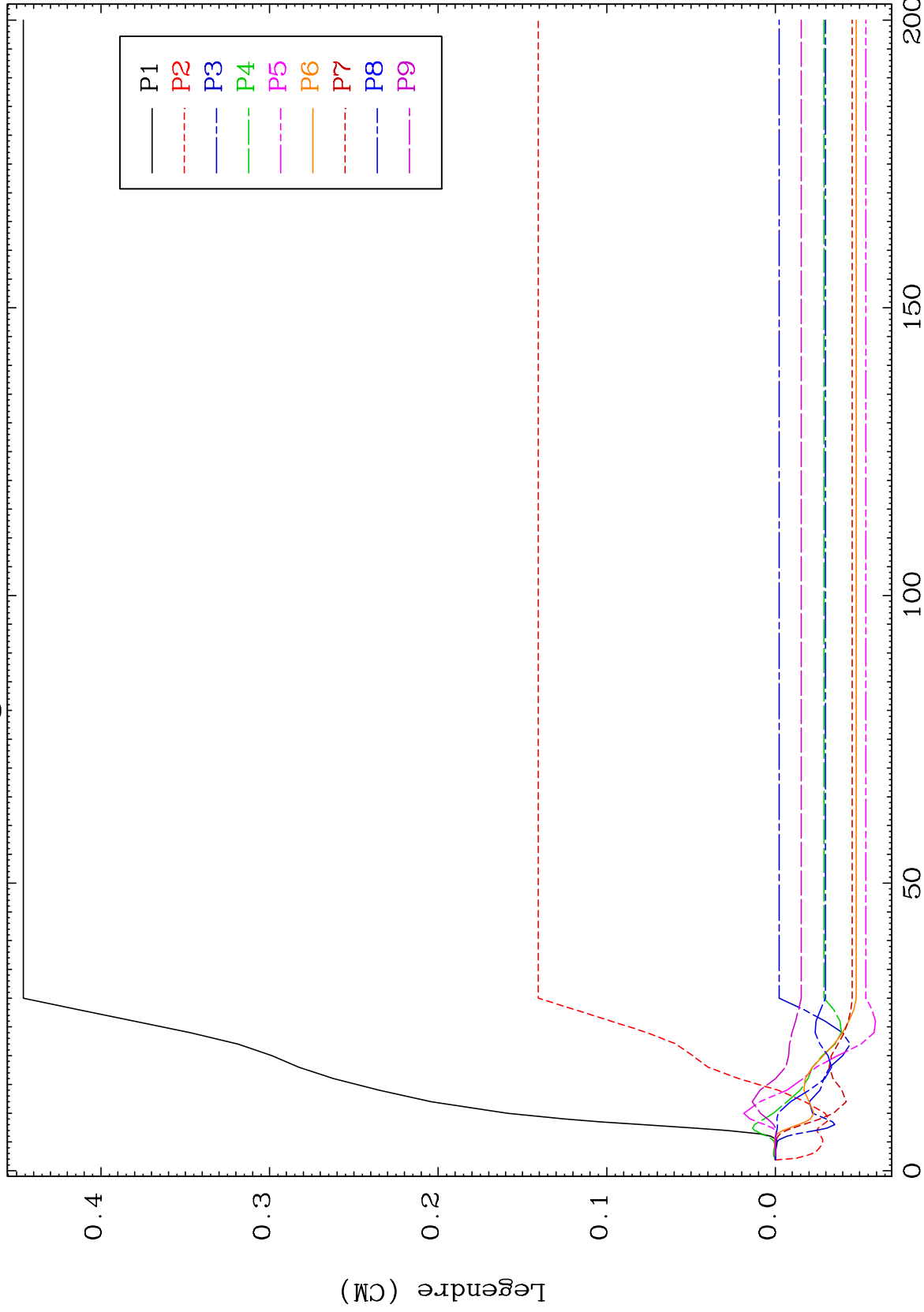
101



MAT 4943

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

49-In-119



103

Incident Energy (MeV)

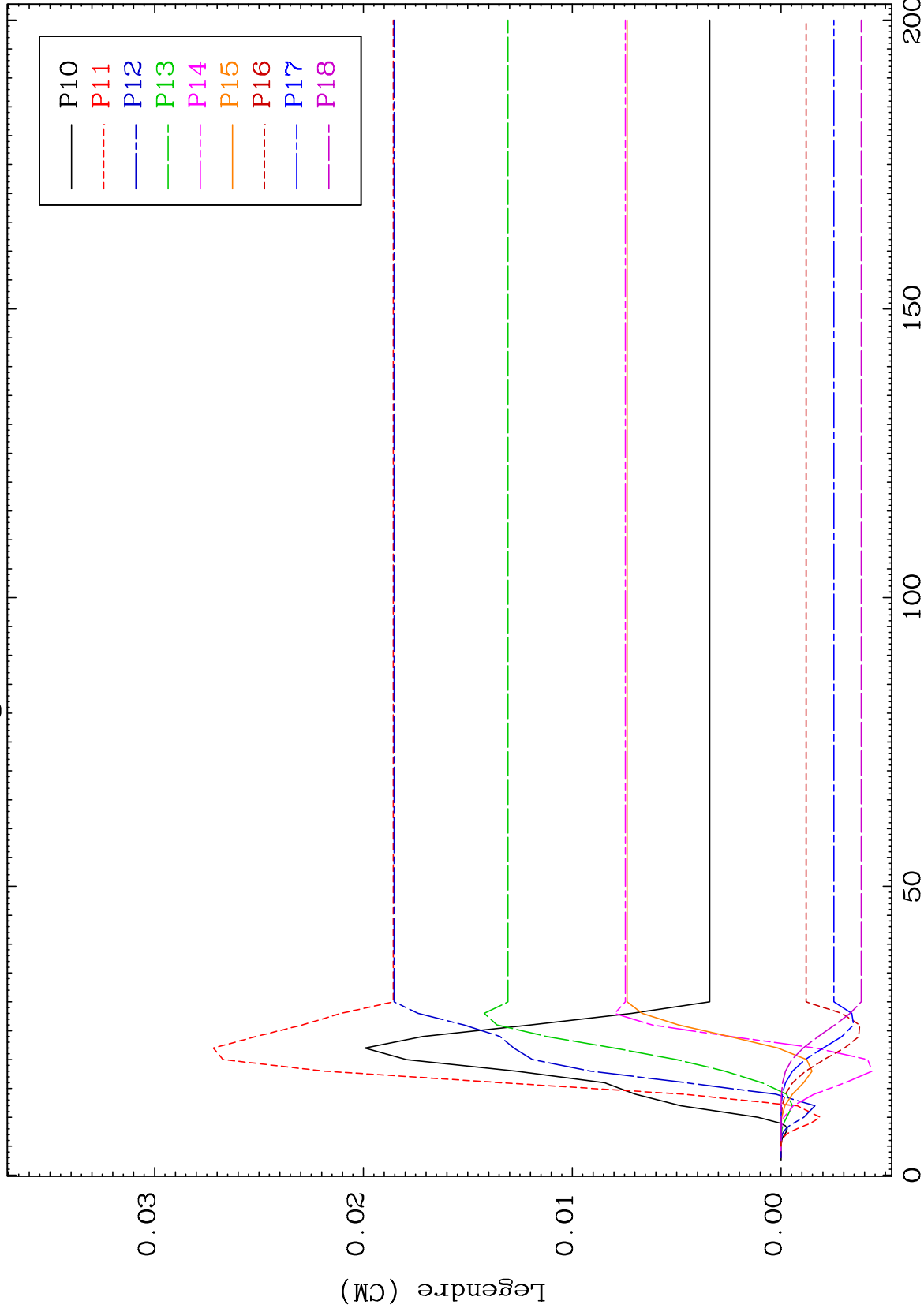
49-In-119



MAT 4943

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

49-In-119



104

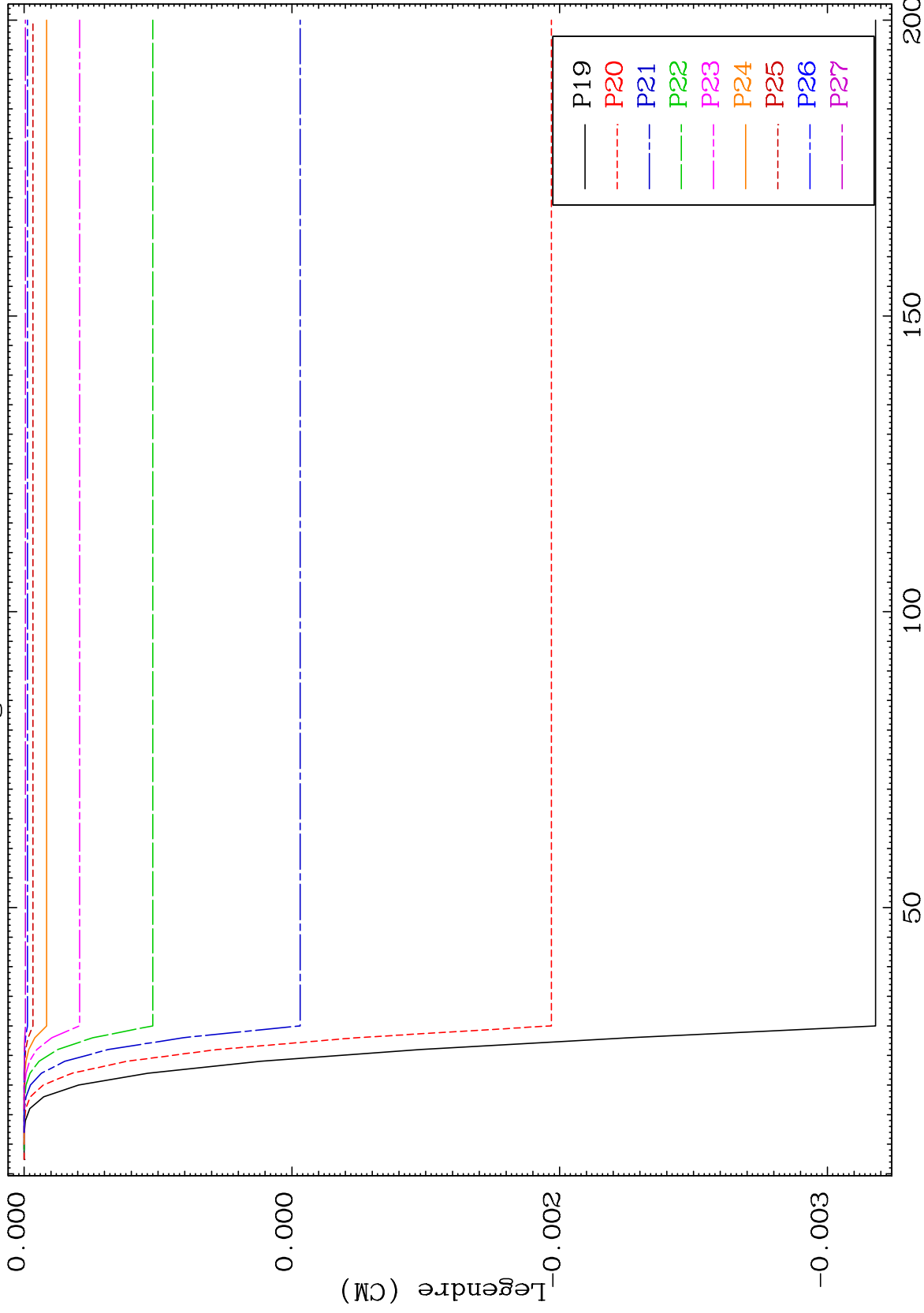
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



49-In-119

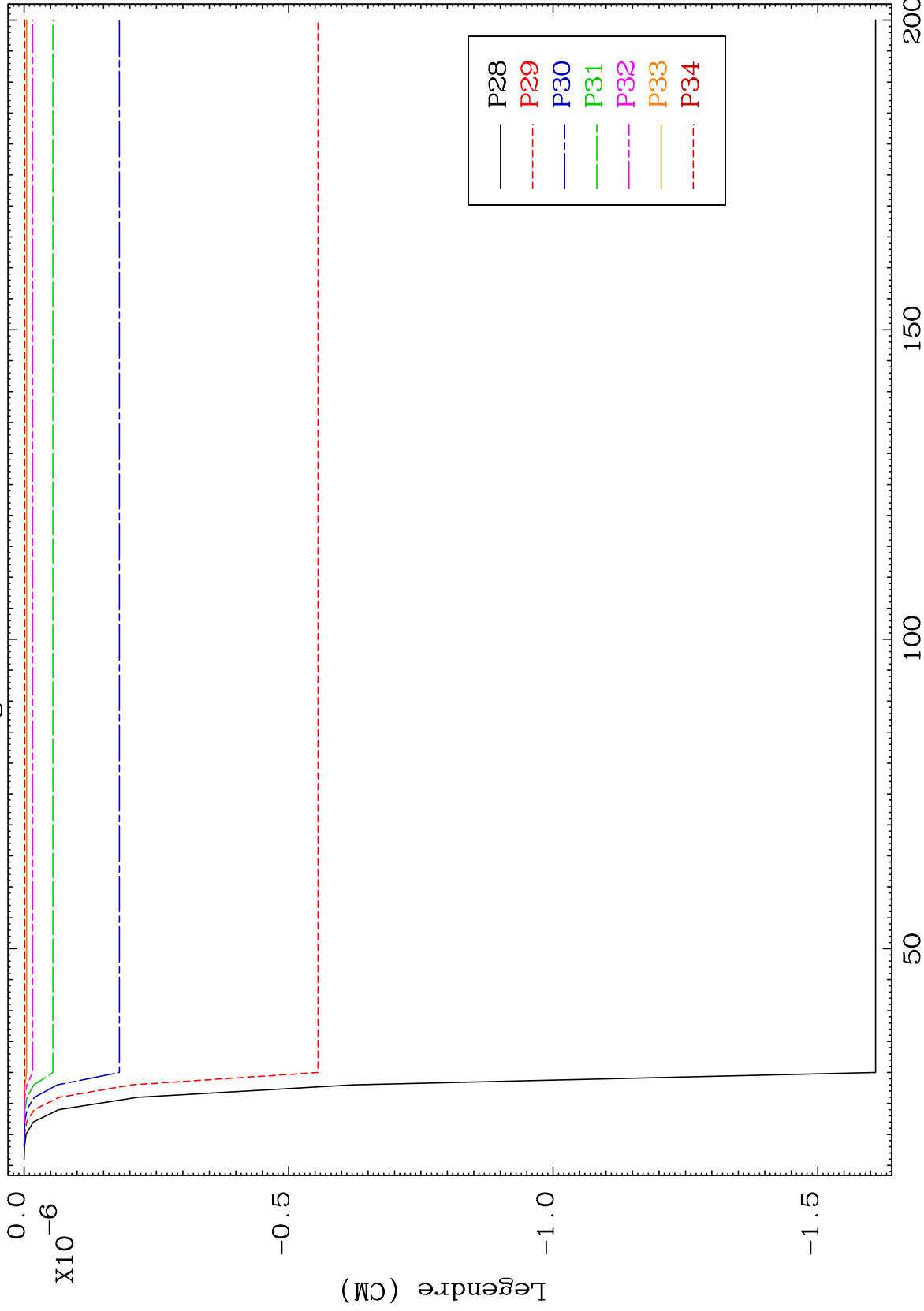
Incident Energy (MeV)

105

MAT 4943

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

49-In-119



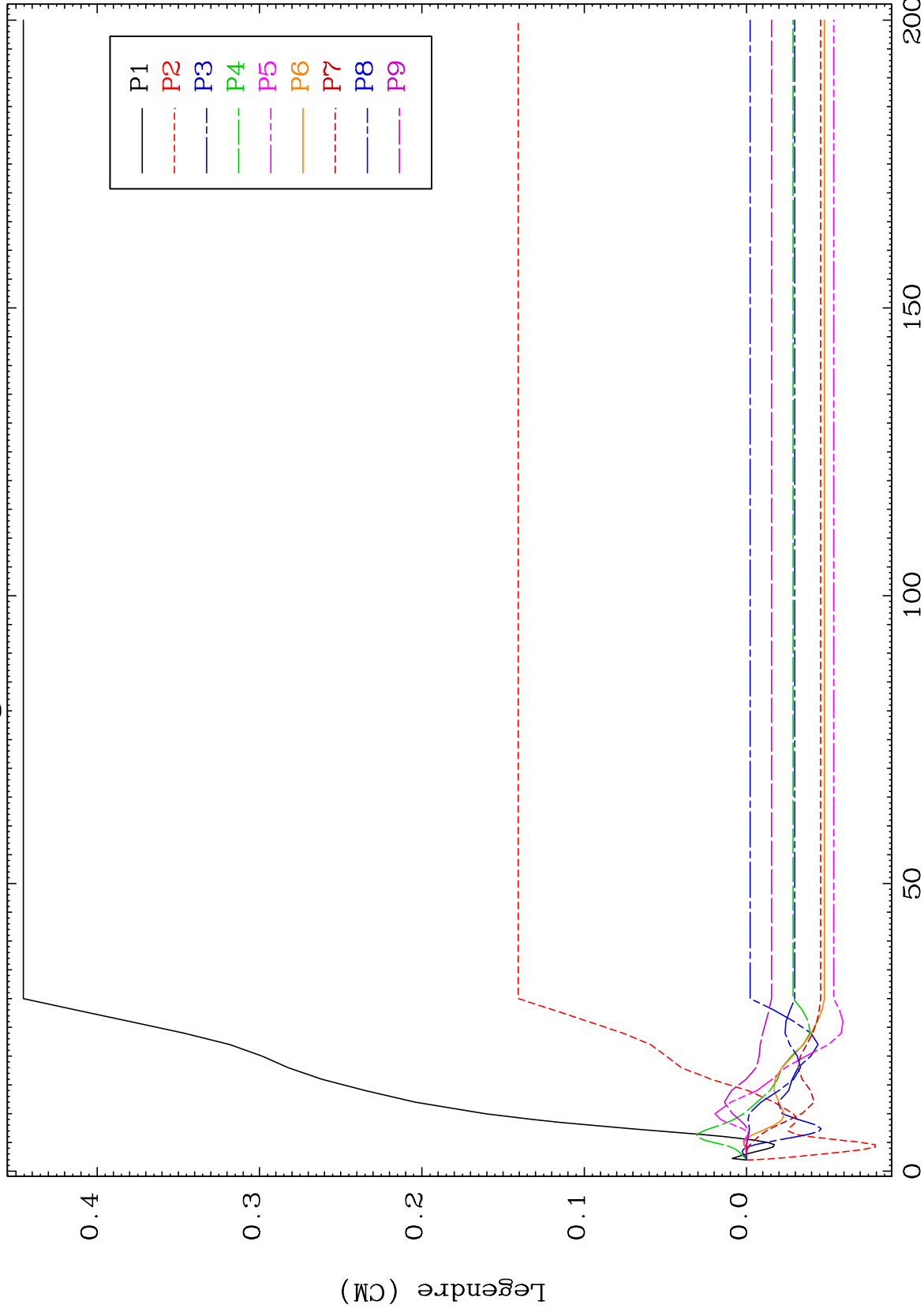
106

49-In-119

MAT 4943

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

49-In-119



107

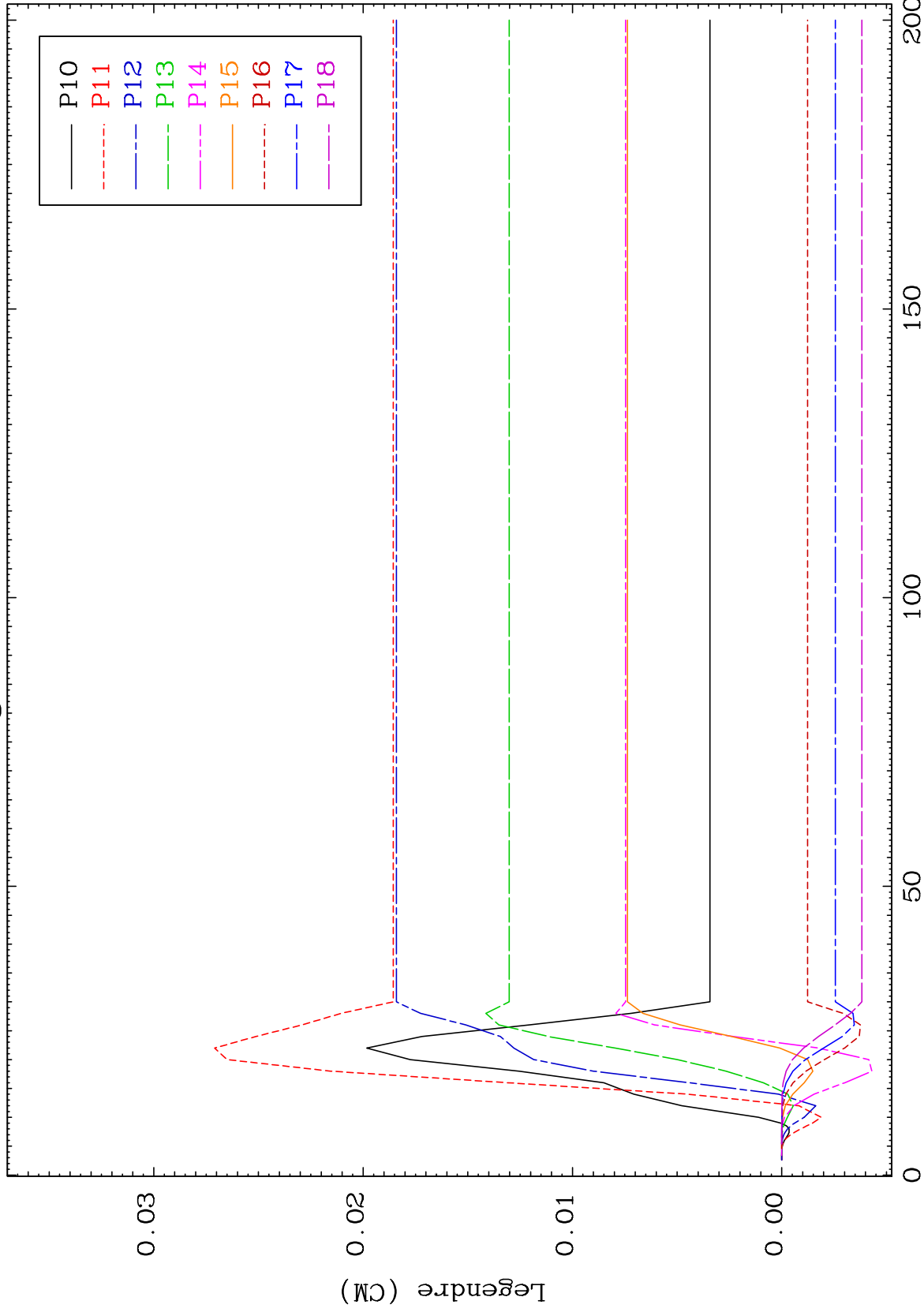
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



108

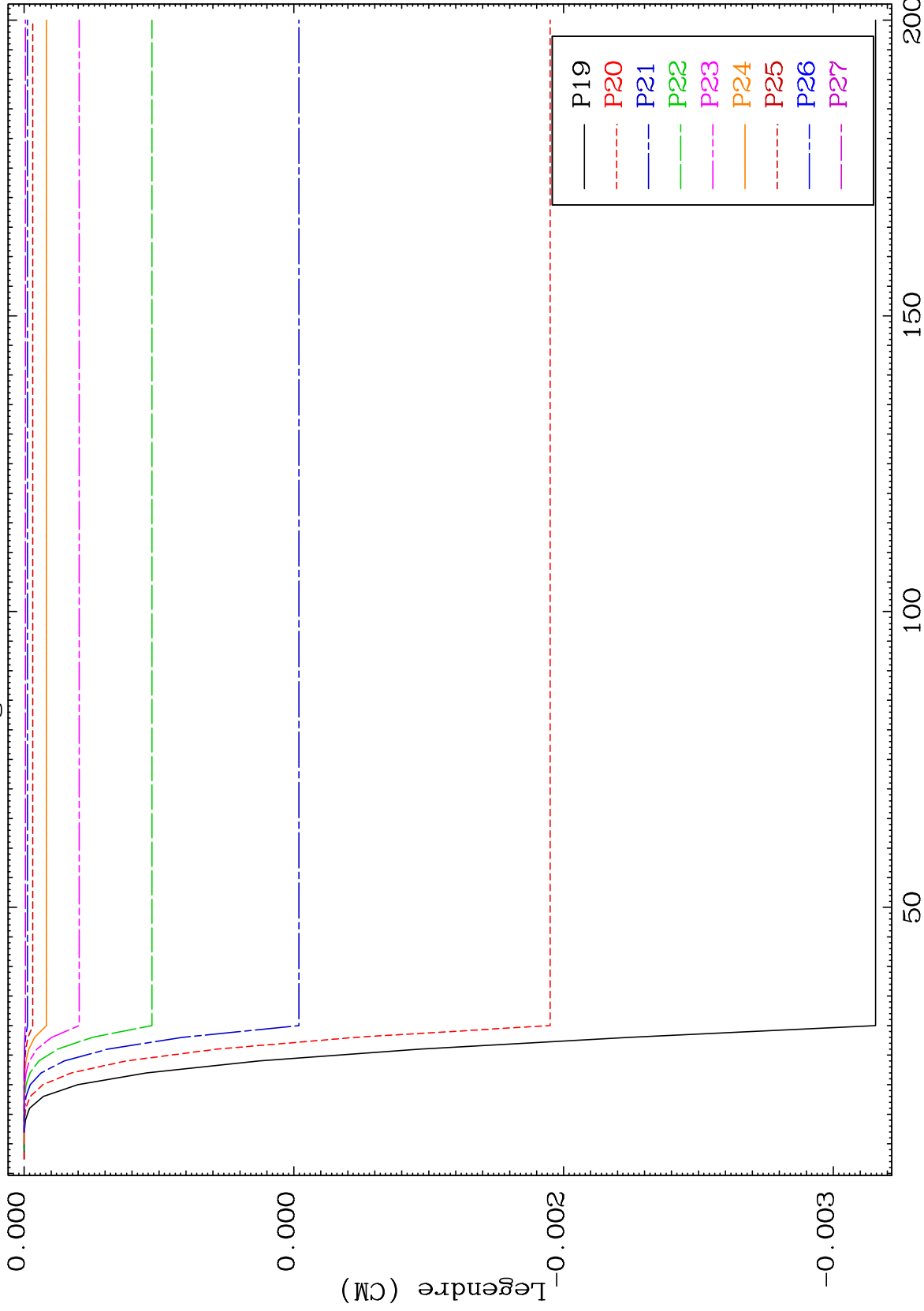
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



49-In-119

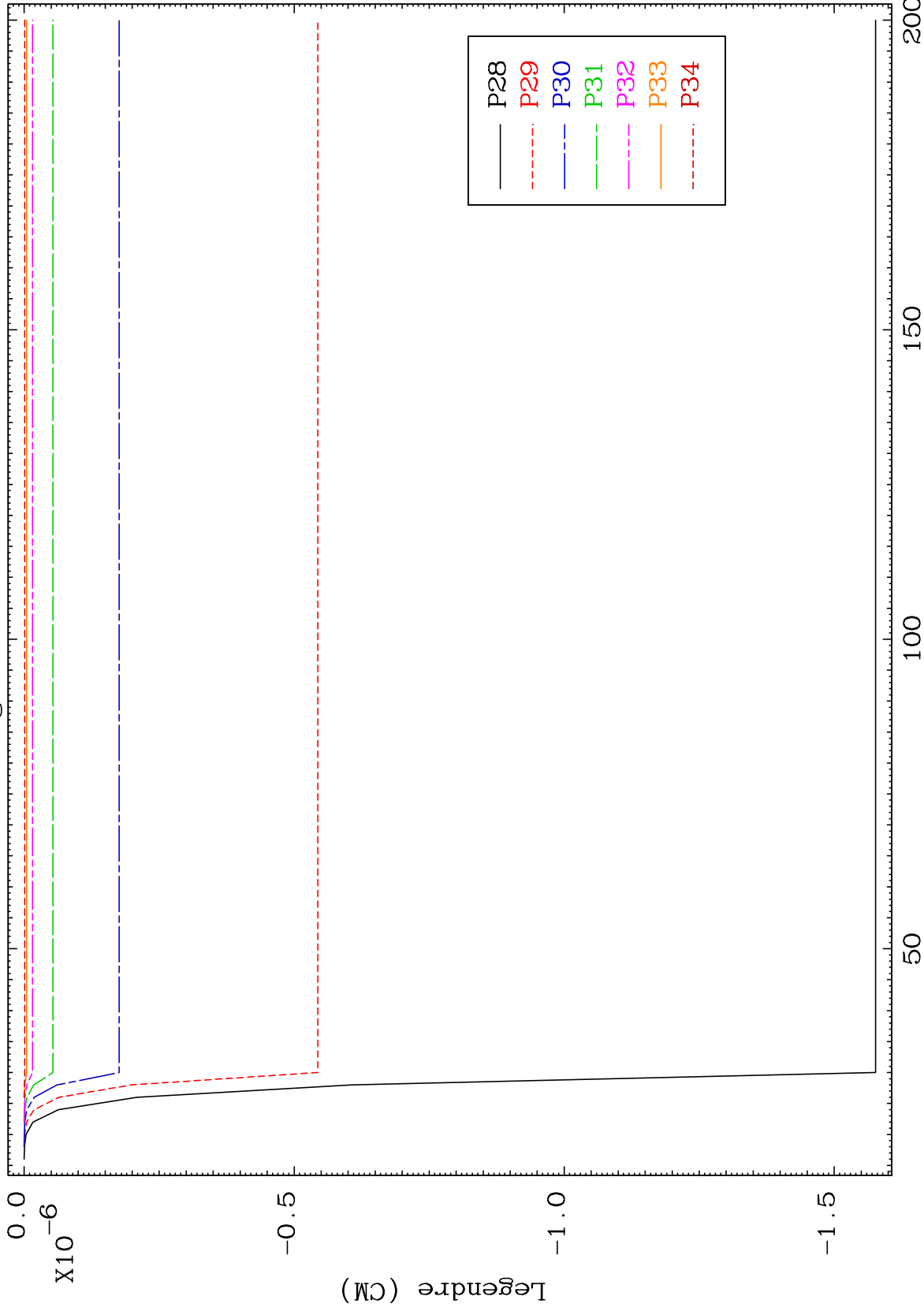
Incident Energy (MeV)

109

MAT 4943

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

49-In-119



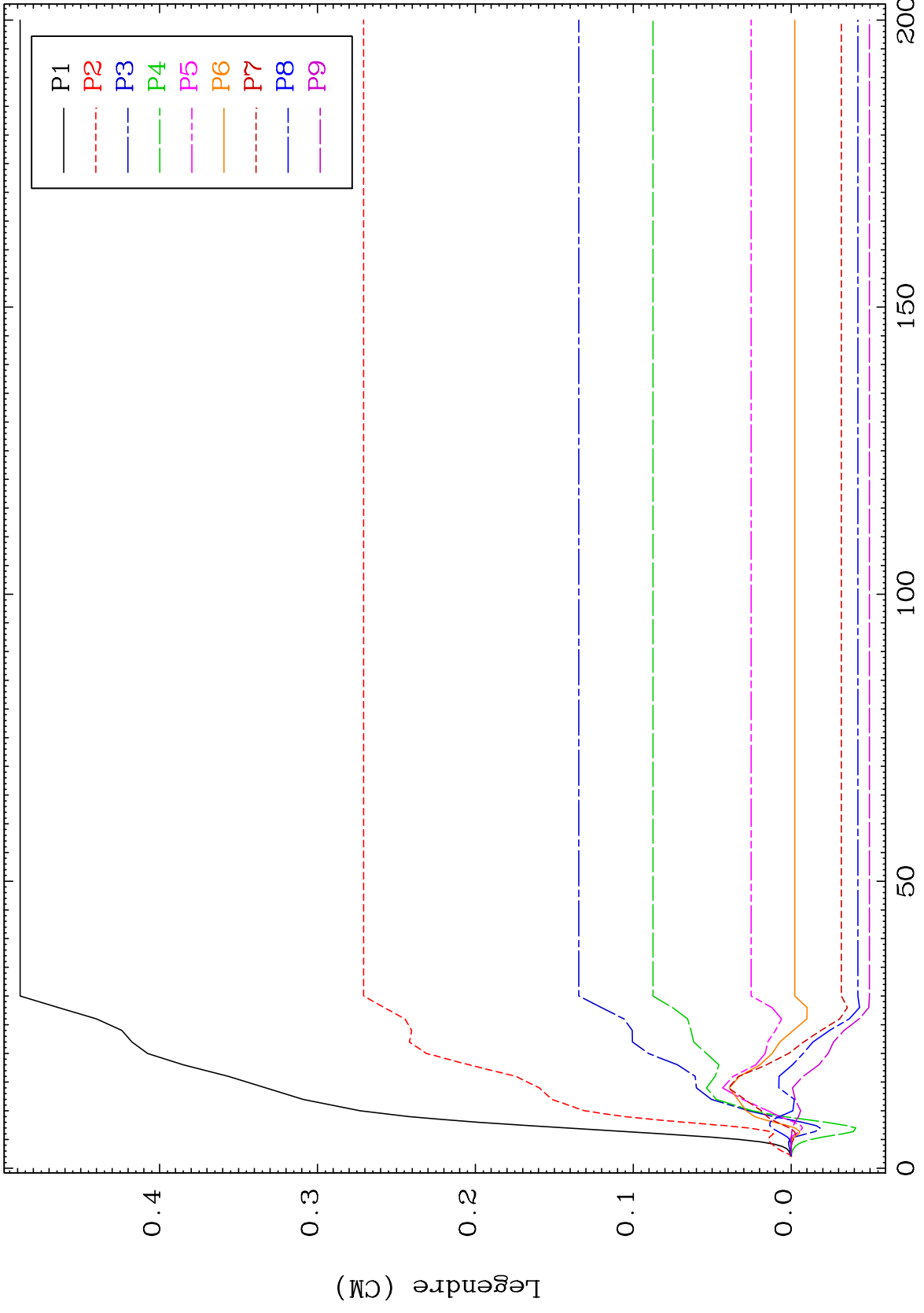
49-In-119

110

MAT 4943

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

49-In-119



111

Incident Energy (MeV)

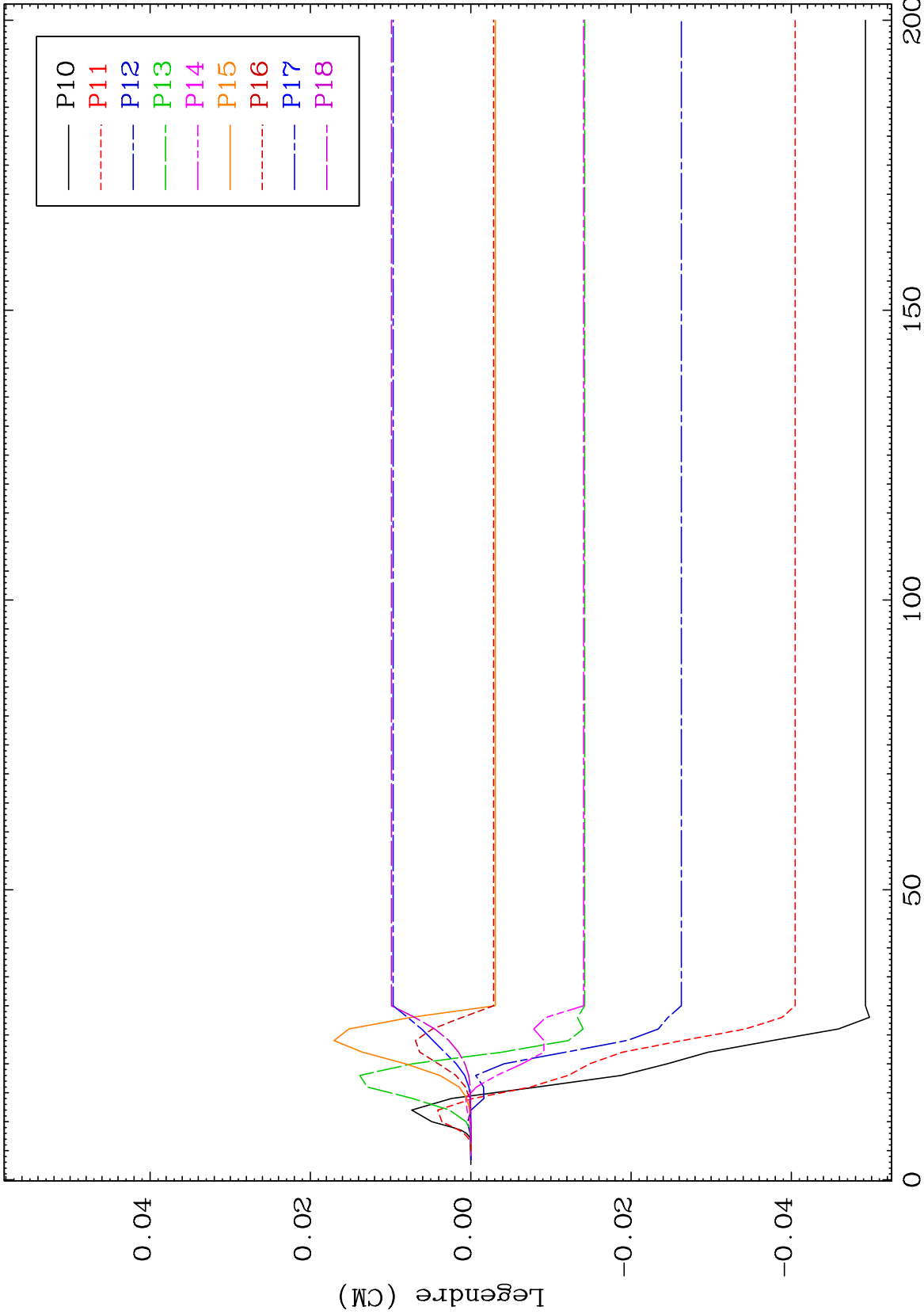
49-In-119



MAT 4943

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

49-In-119



112

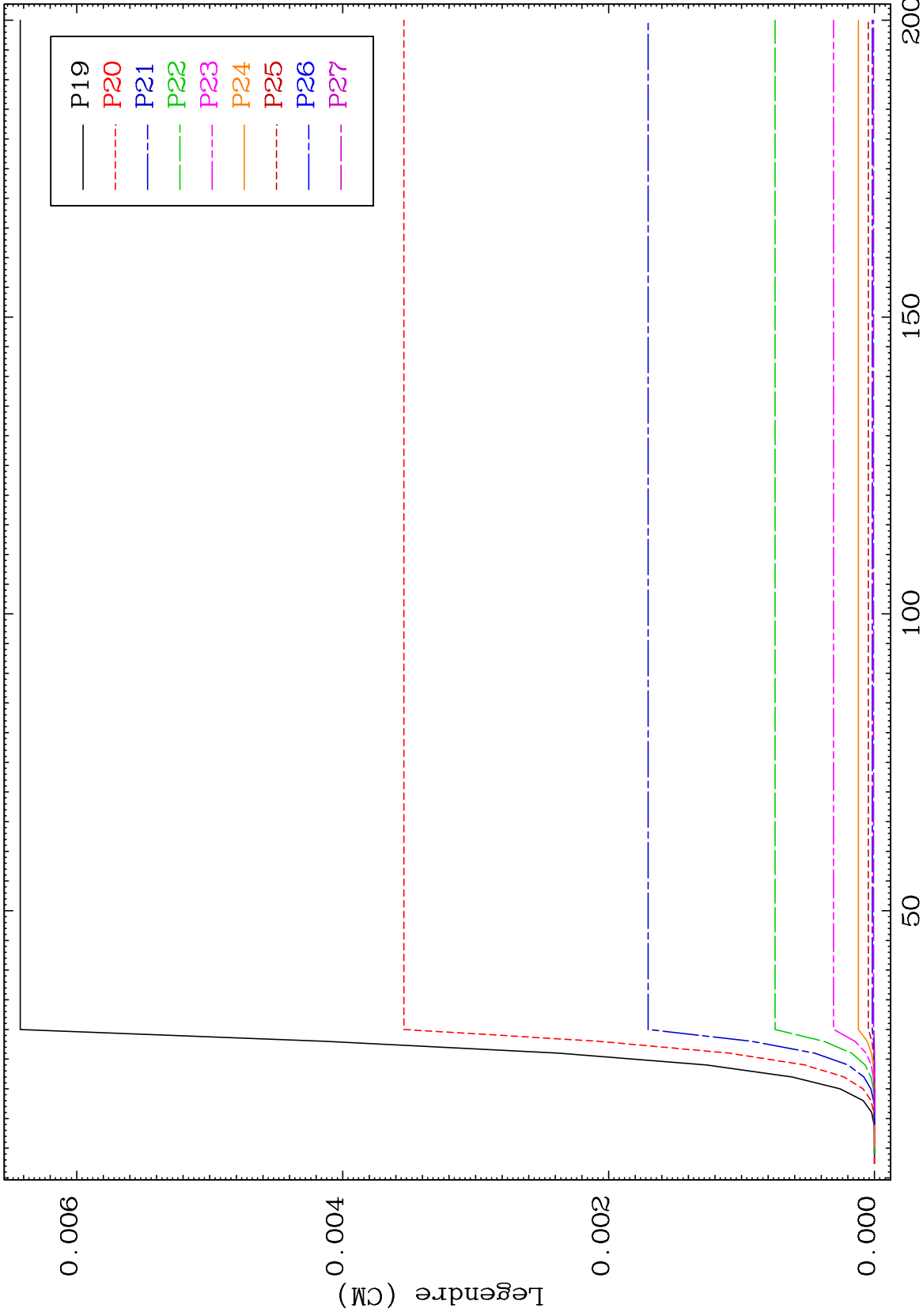
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



113

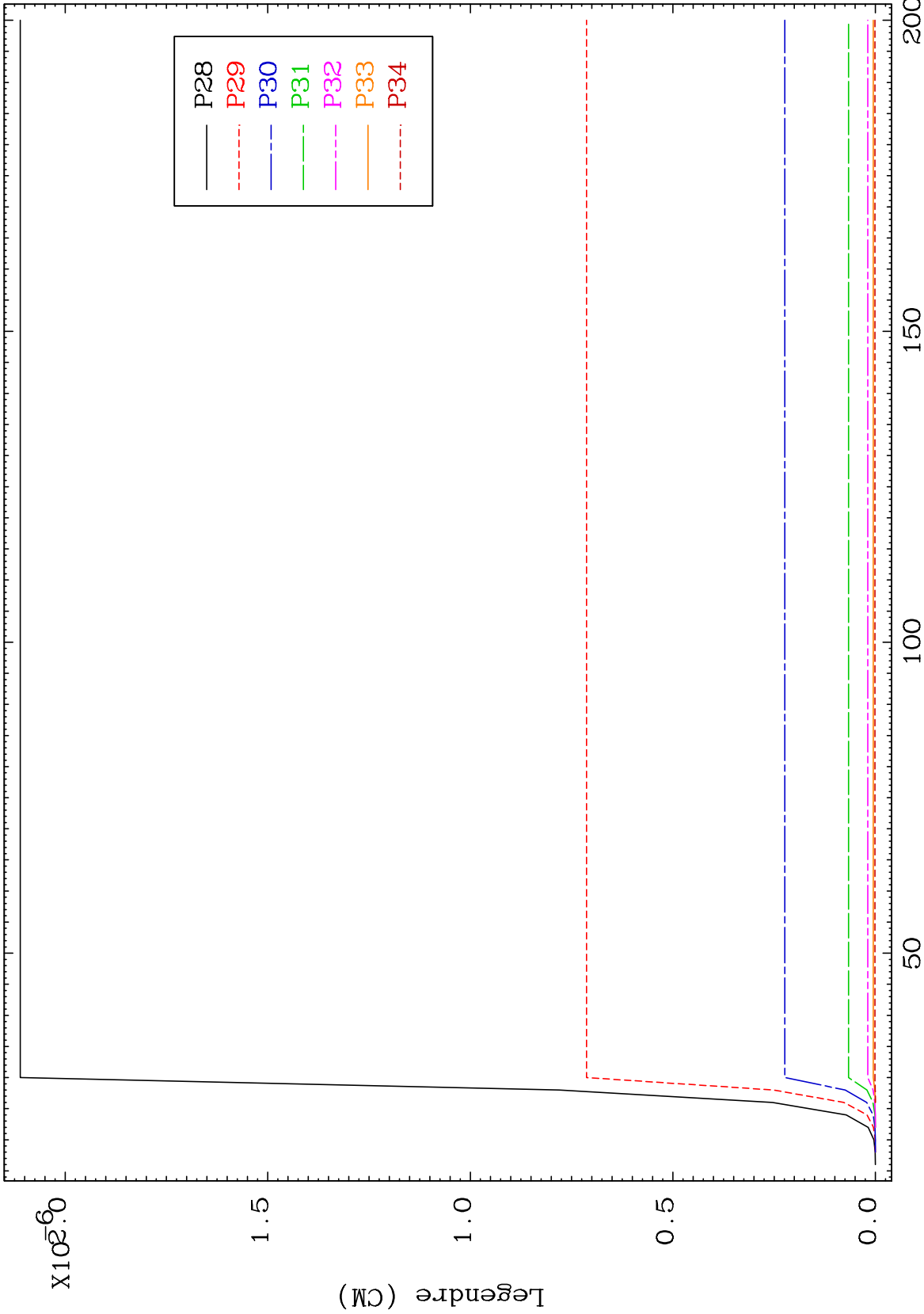
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



114

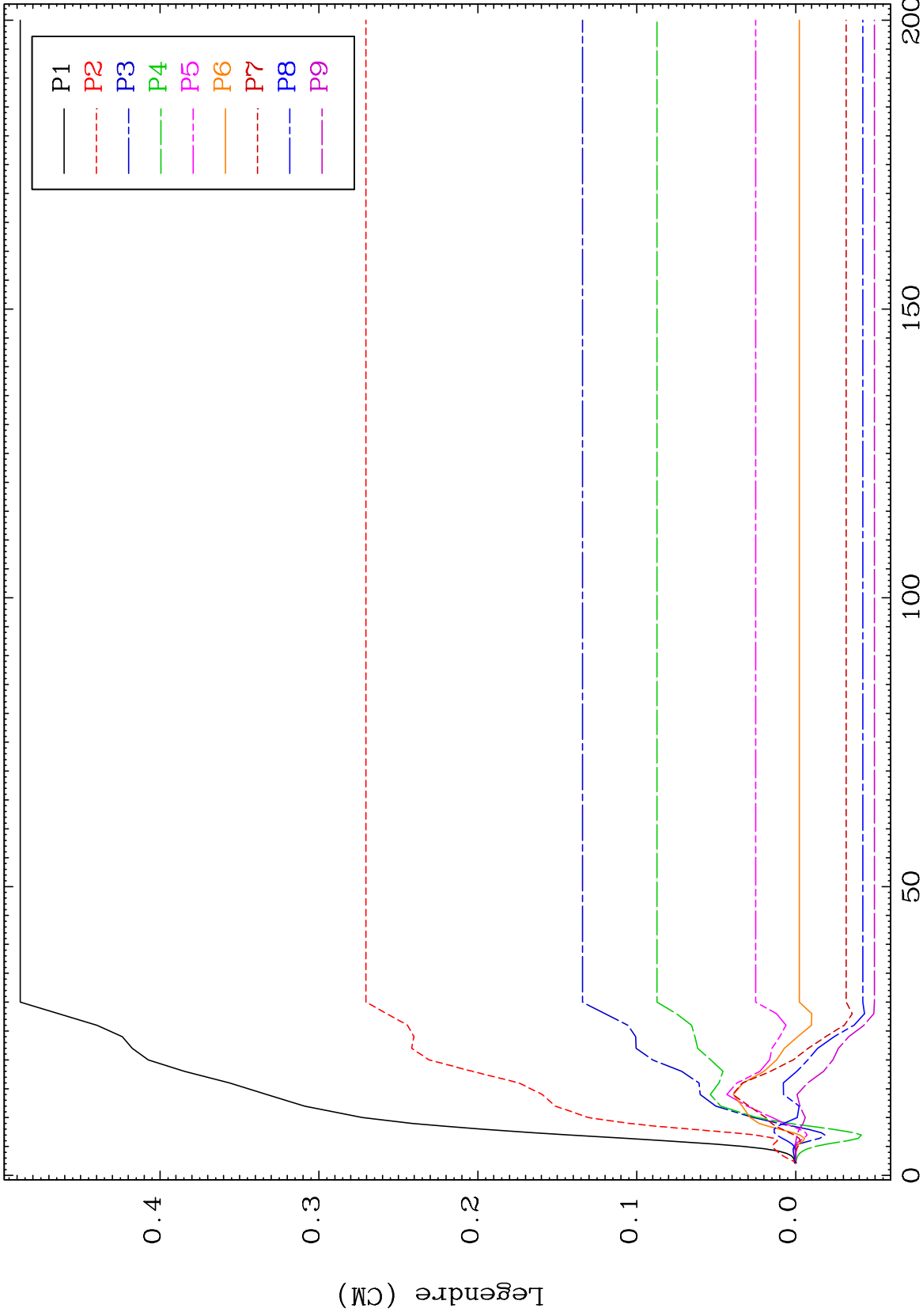
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



115

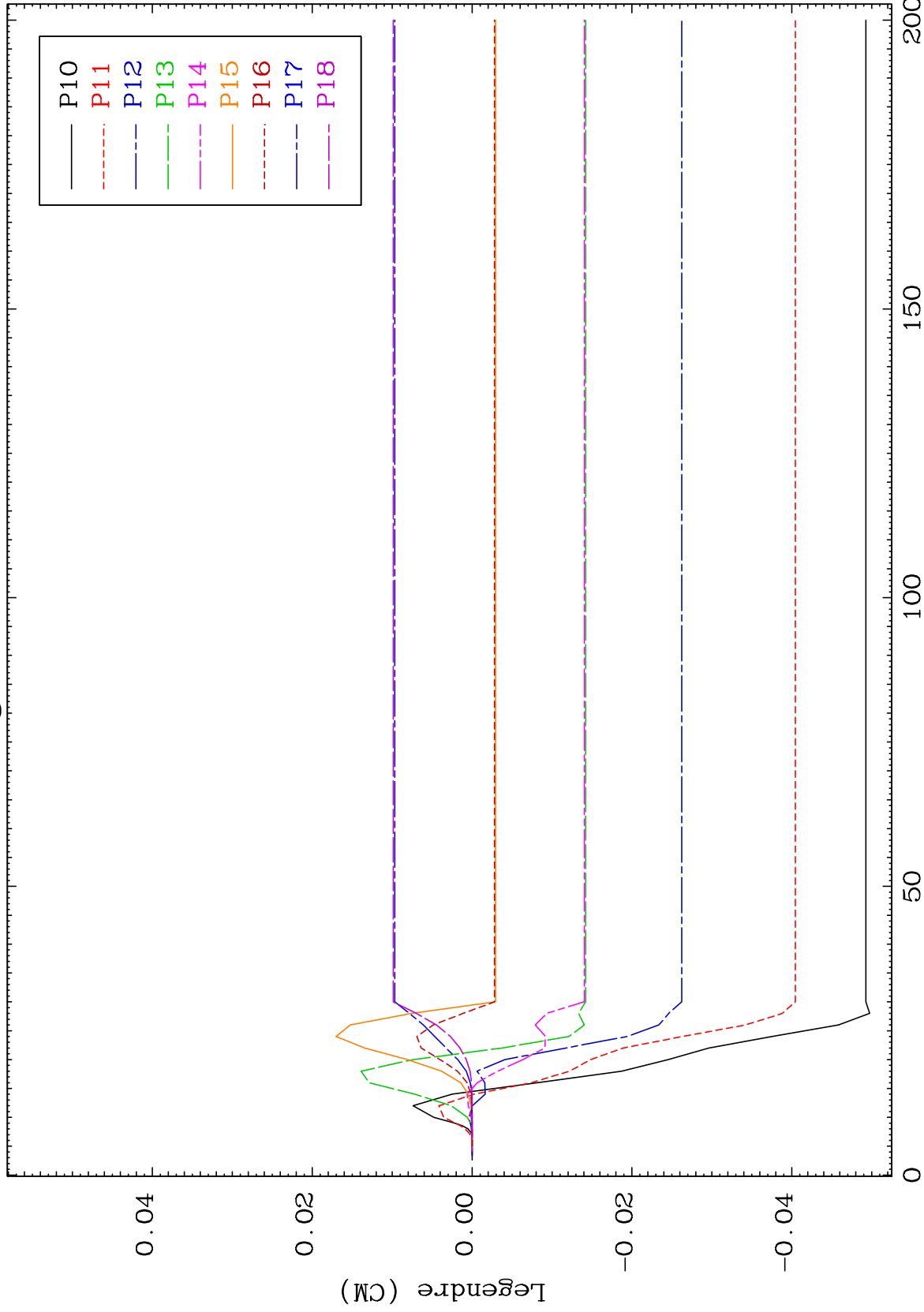
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



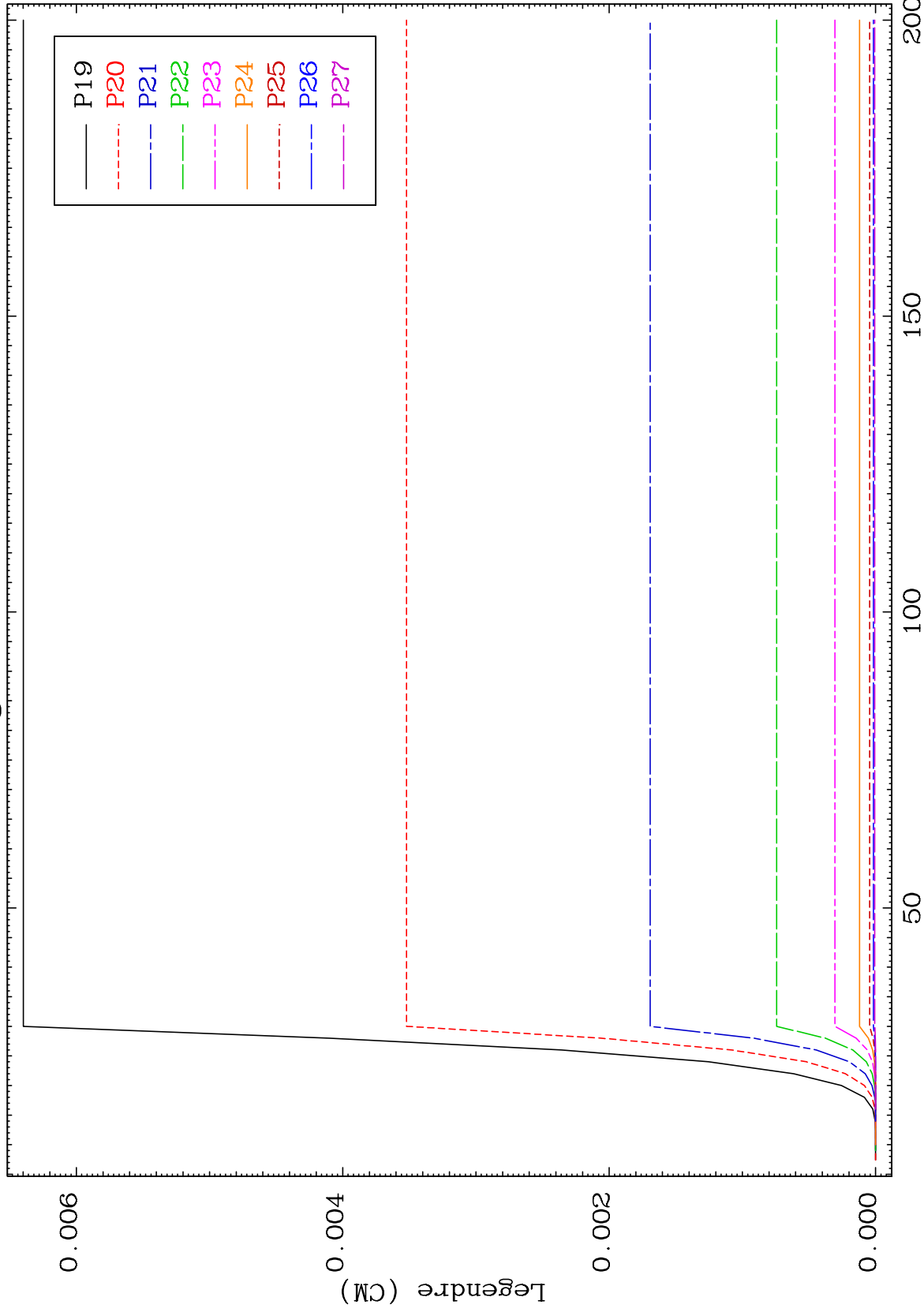
116

49-In-119

MAT 4943

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

49-In-119



117

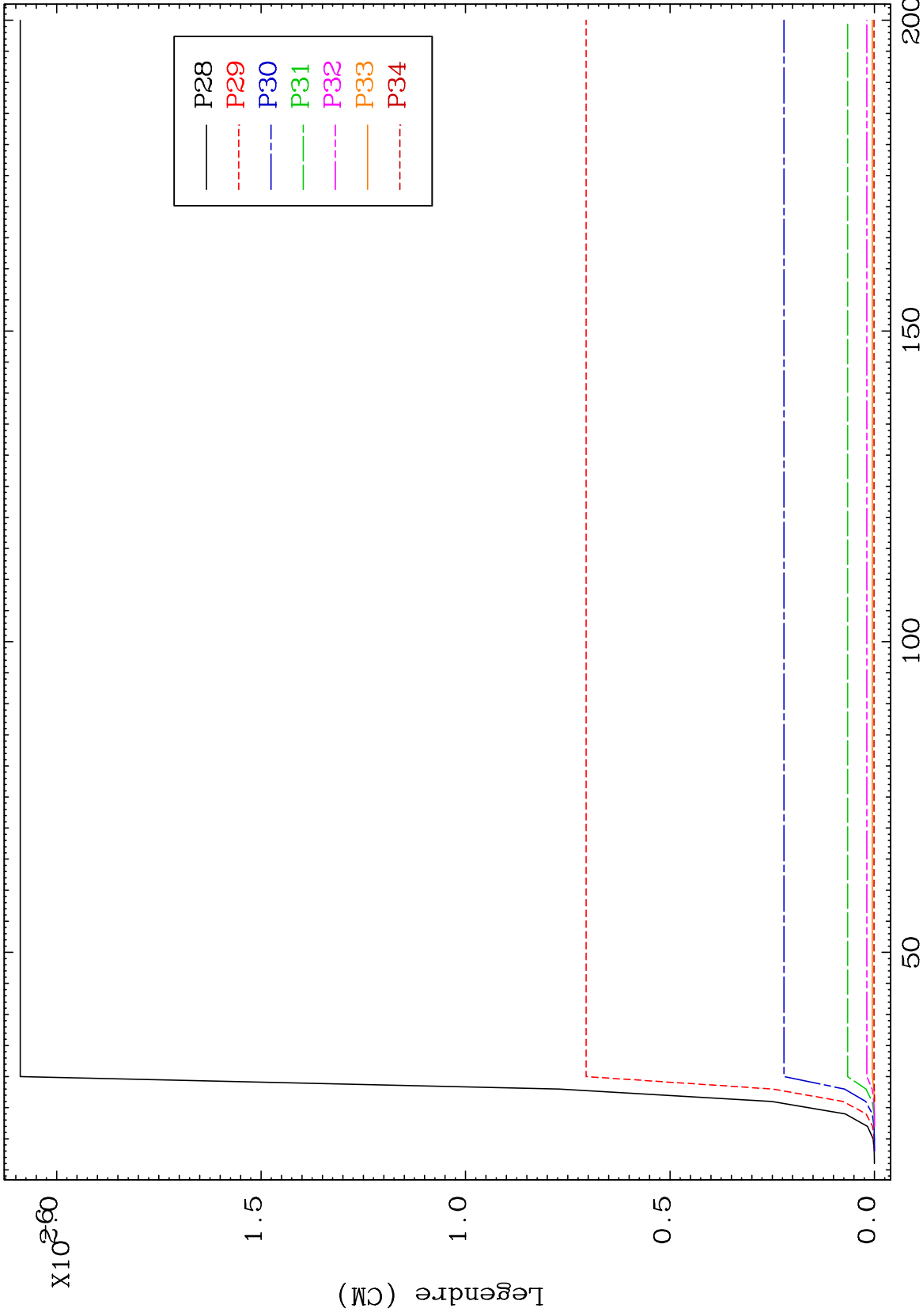
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



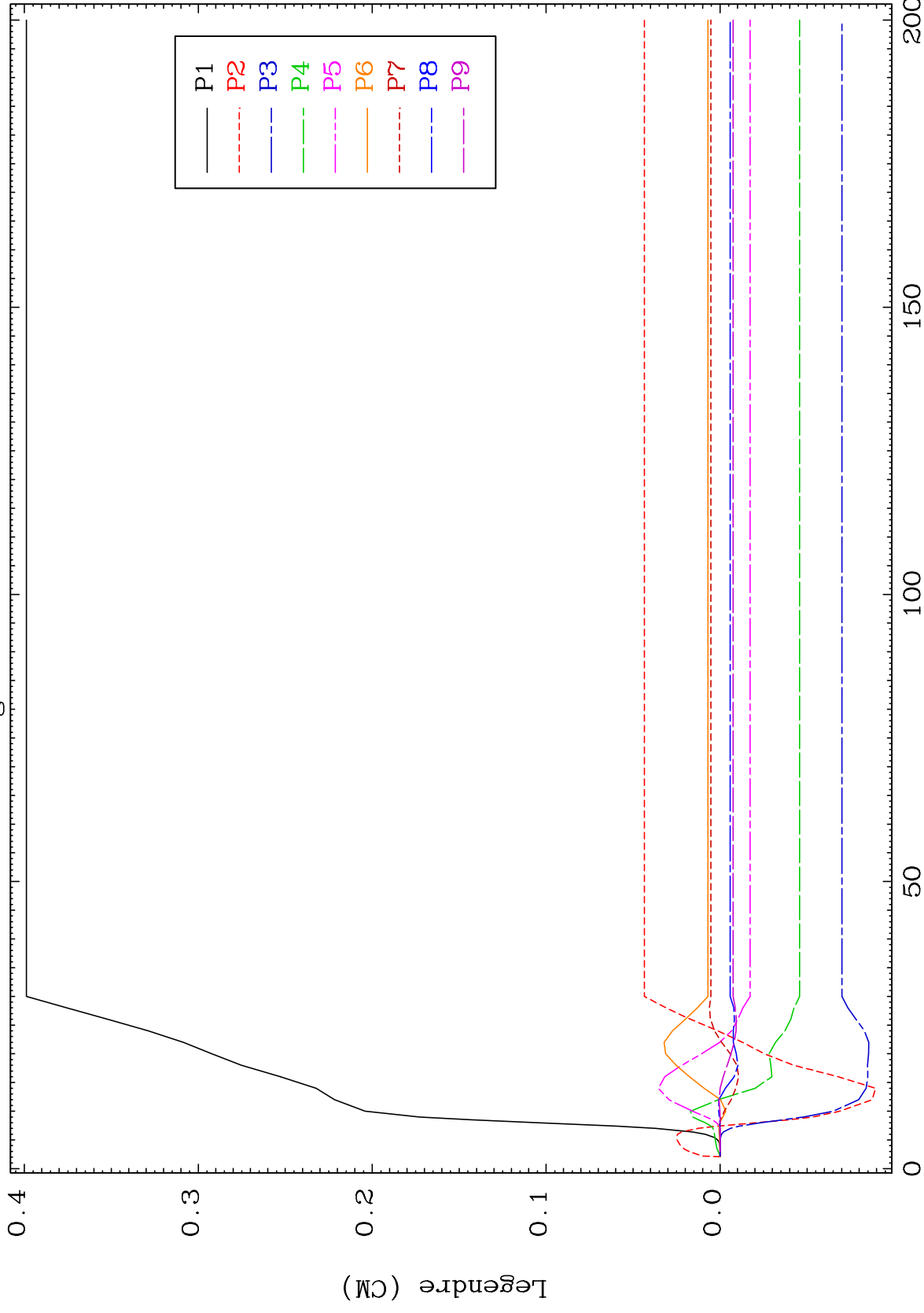
118

49-In-119

MAT 4943

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

49-In-119



119

Incident Energy (MeV)

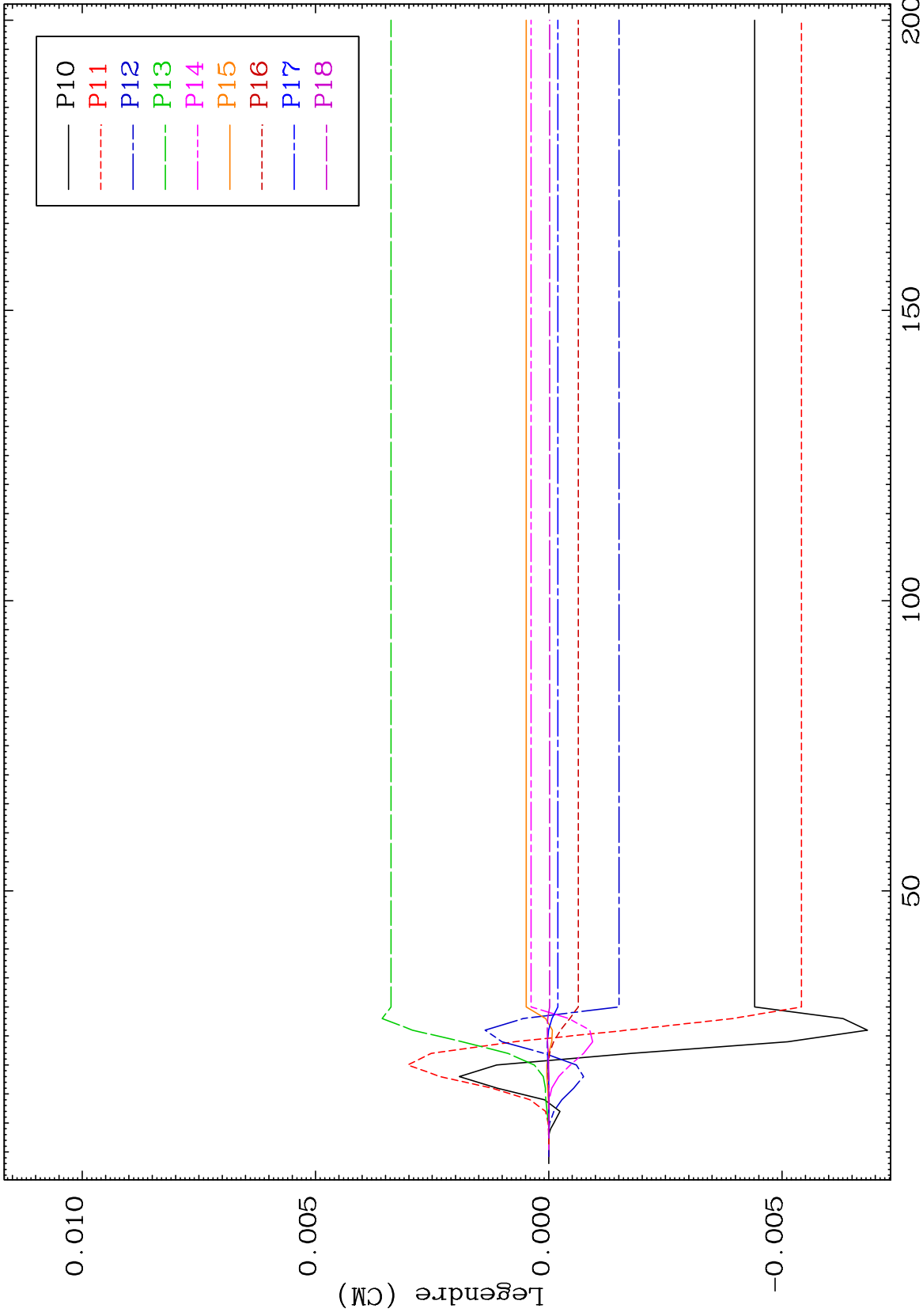
49-In-119



MAT 4943

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

49-In-119



120

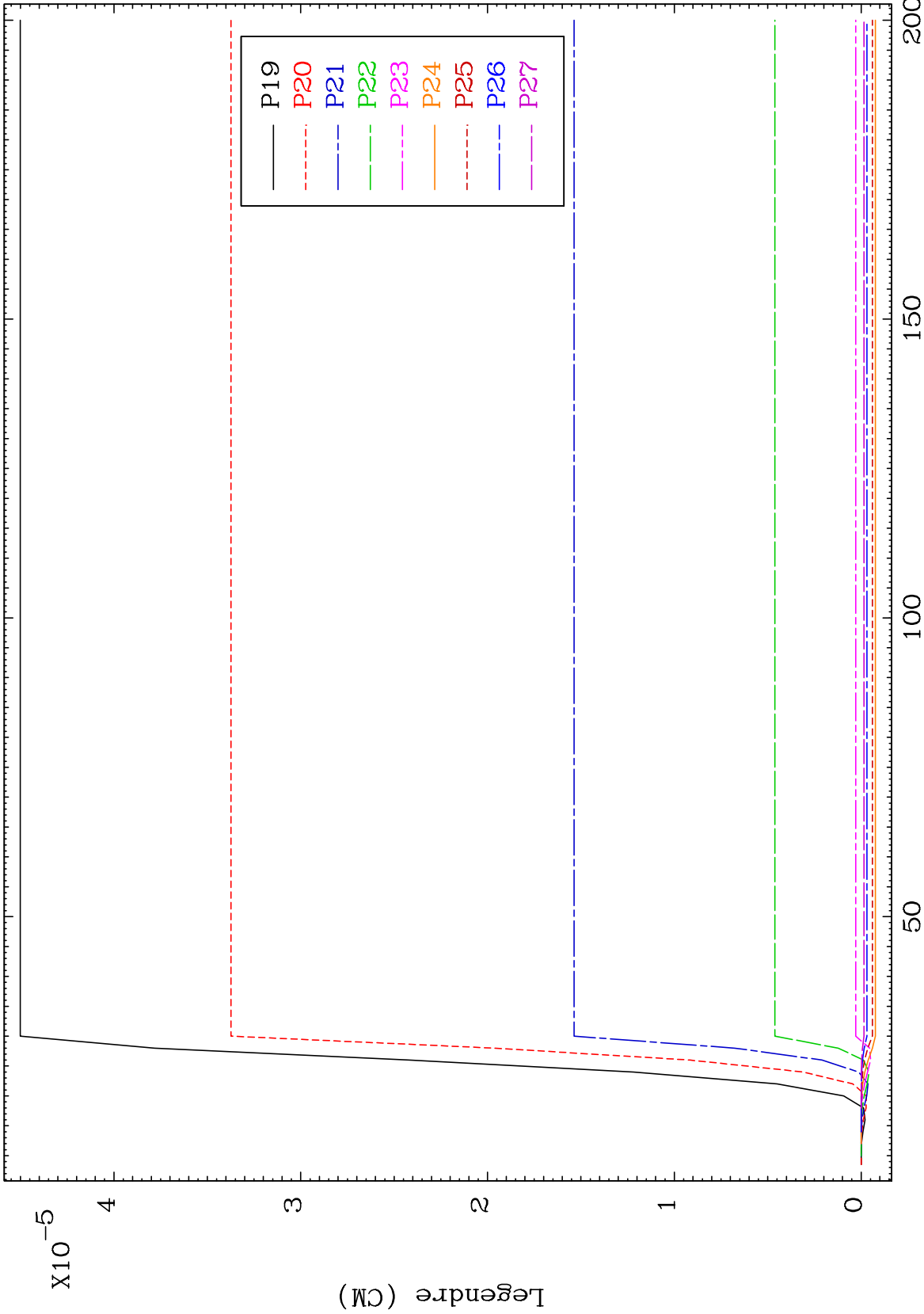
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



121

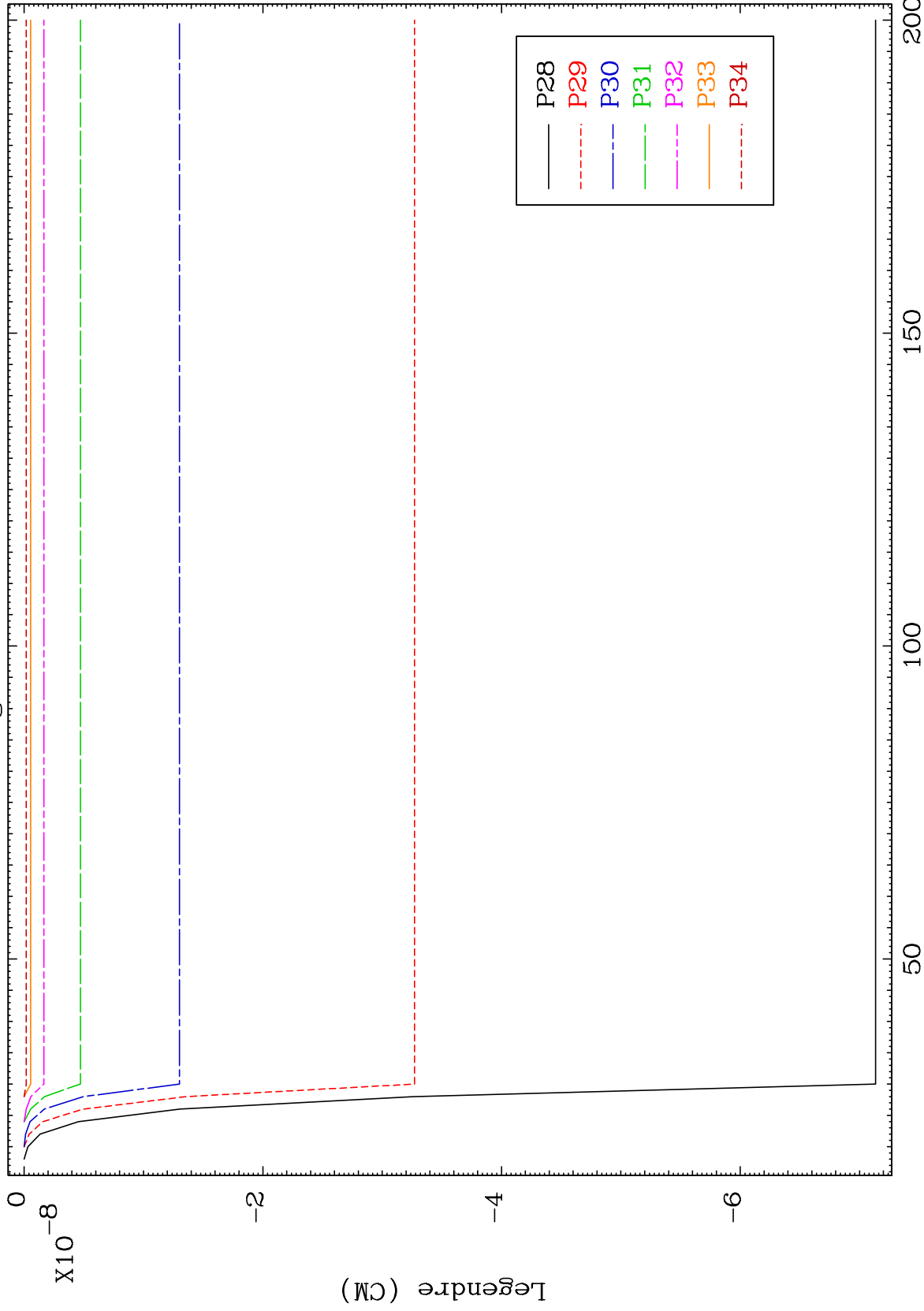
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



49-In-119

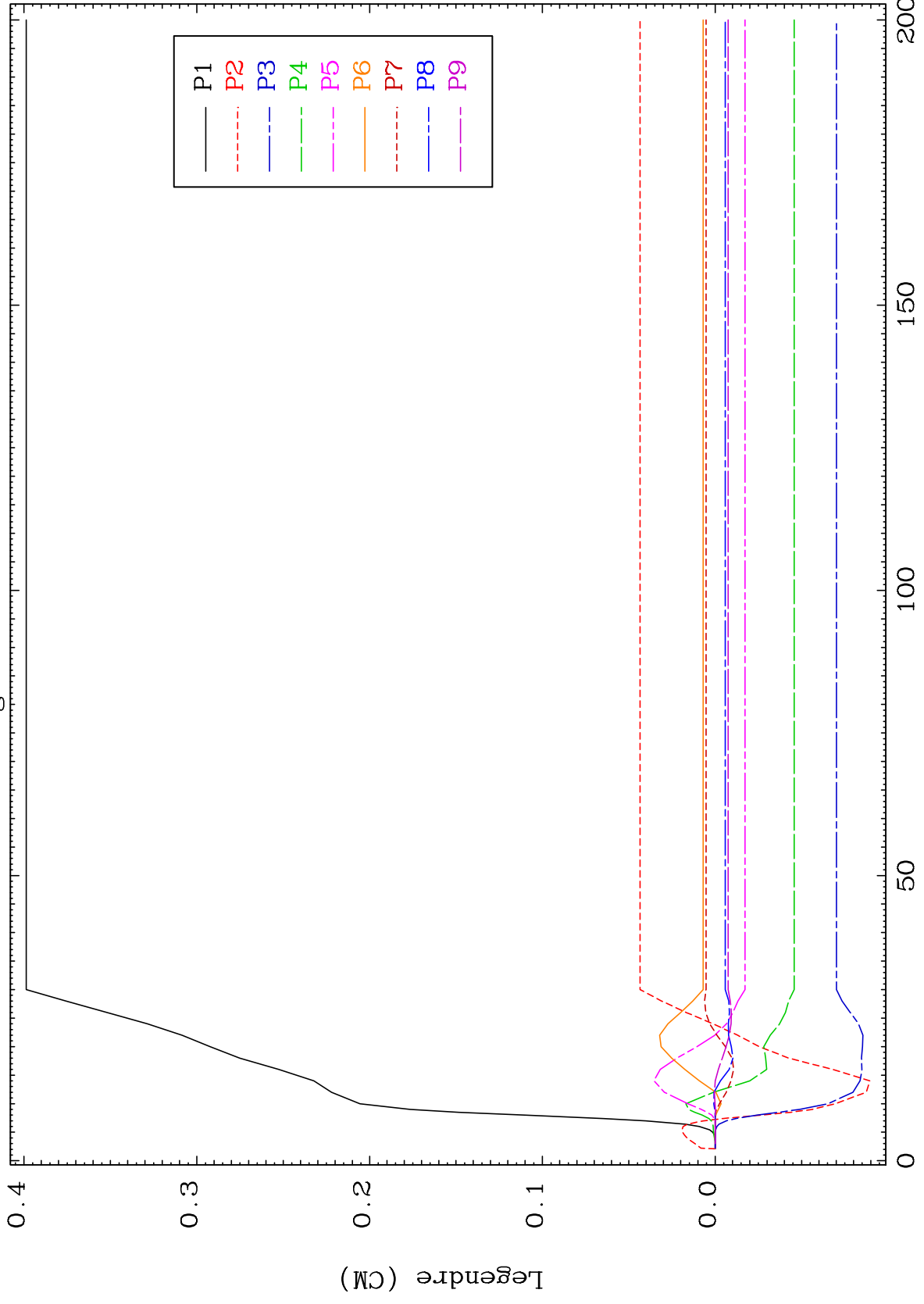
Incident Energy (MeV)

122

MAT 4943

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

49-In-119



123

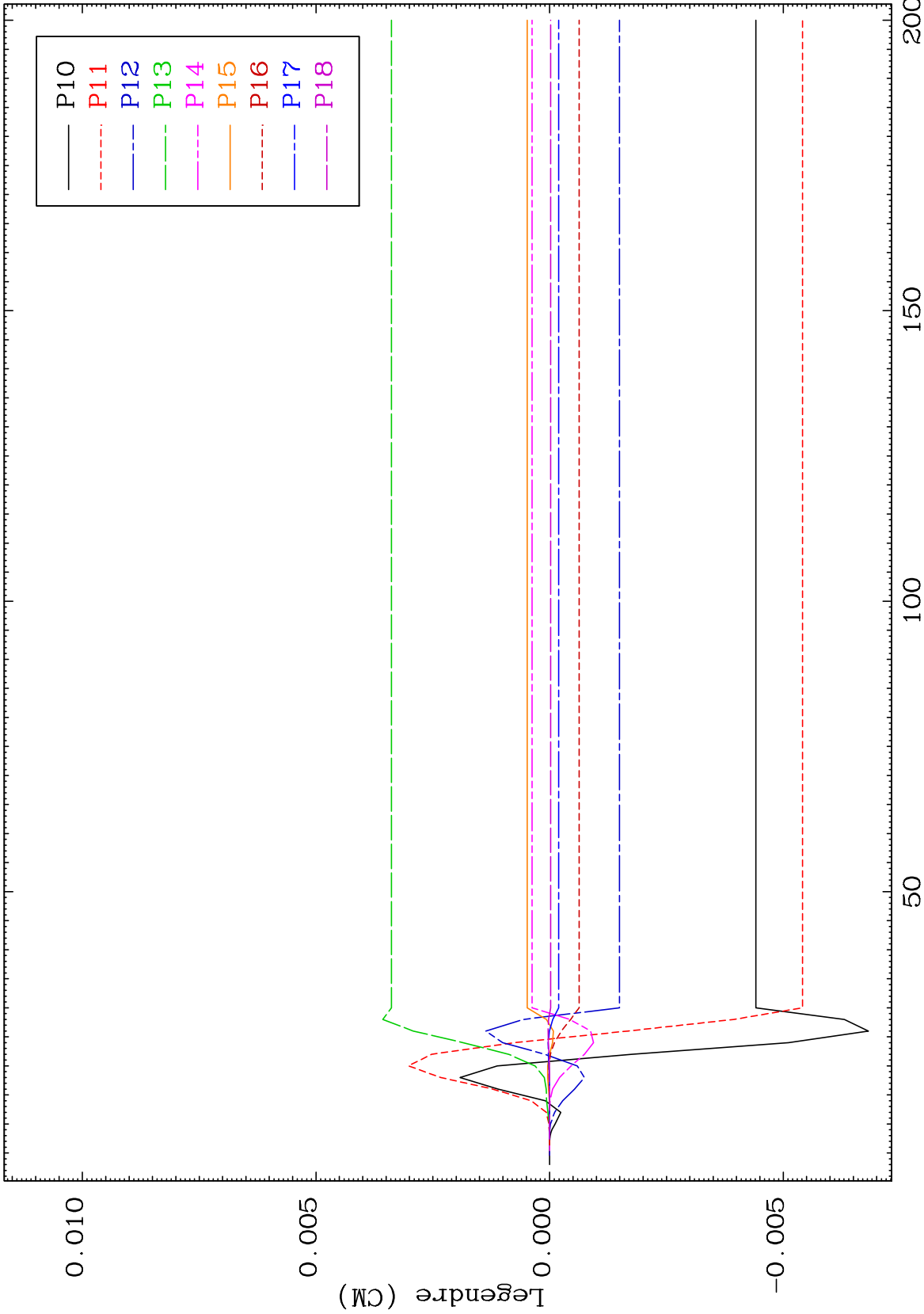
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



124

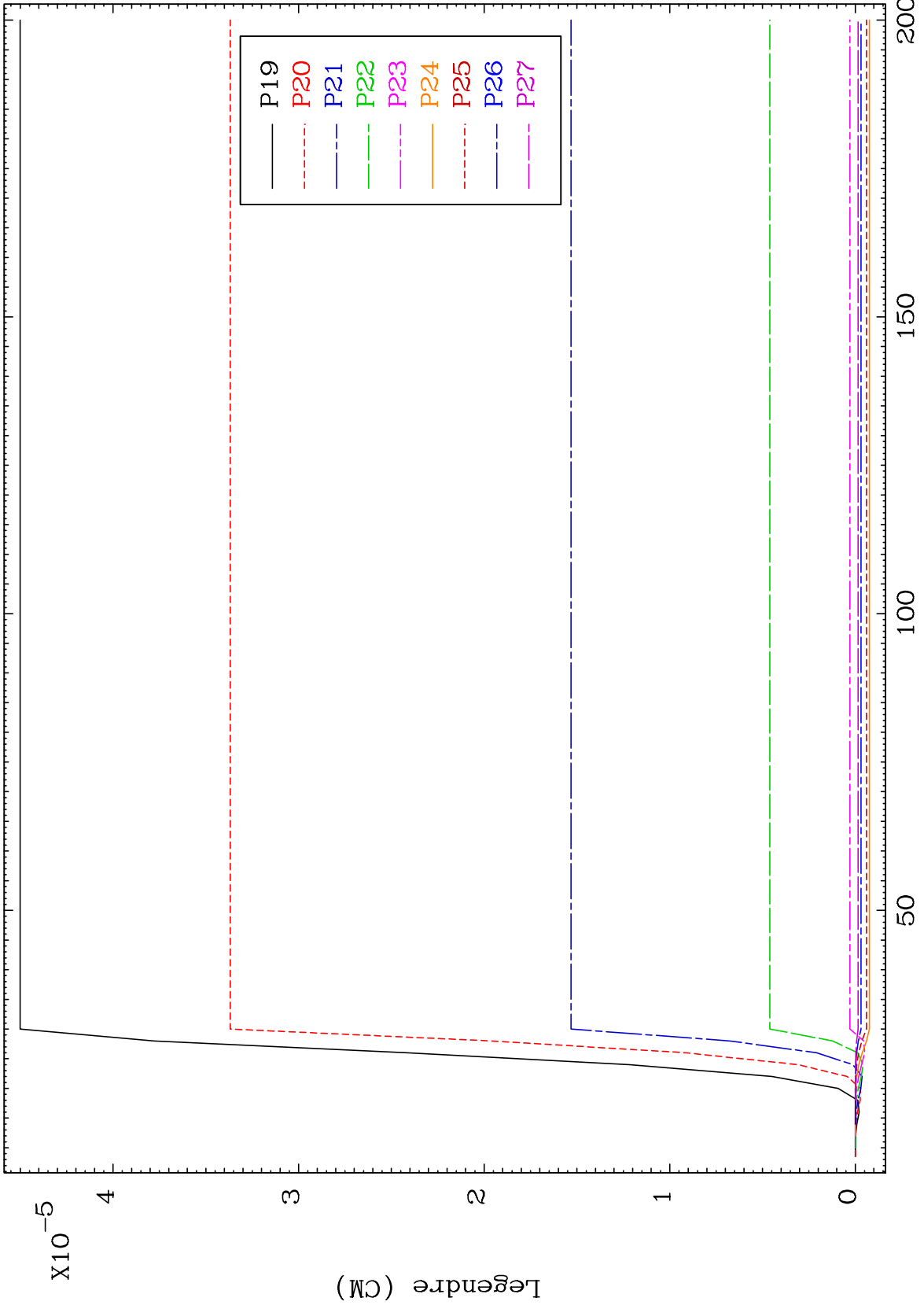
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



125

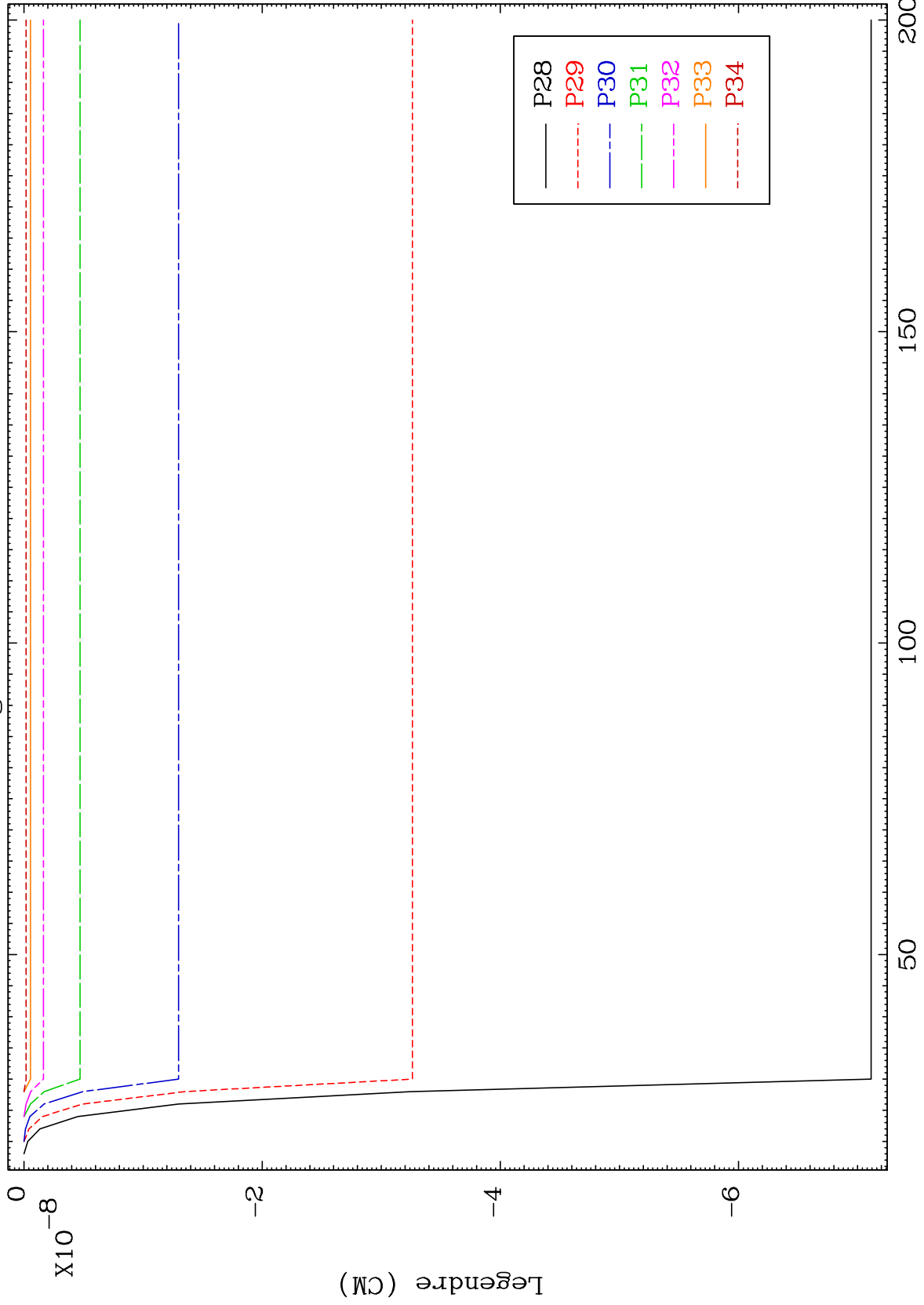
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



49-In-119

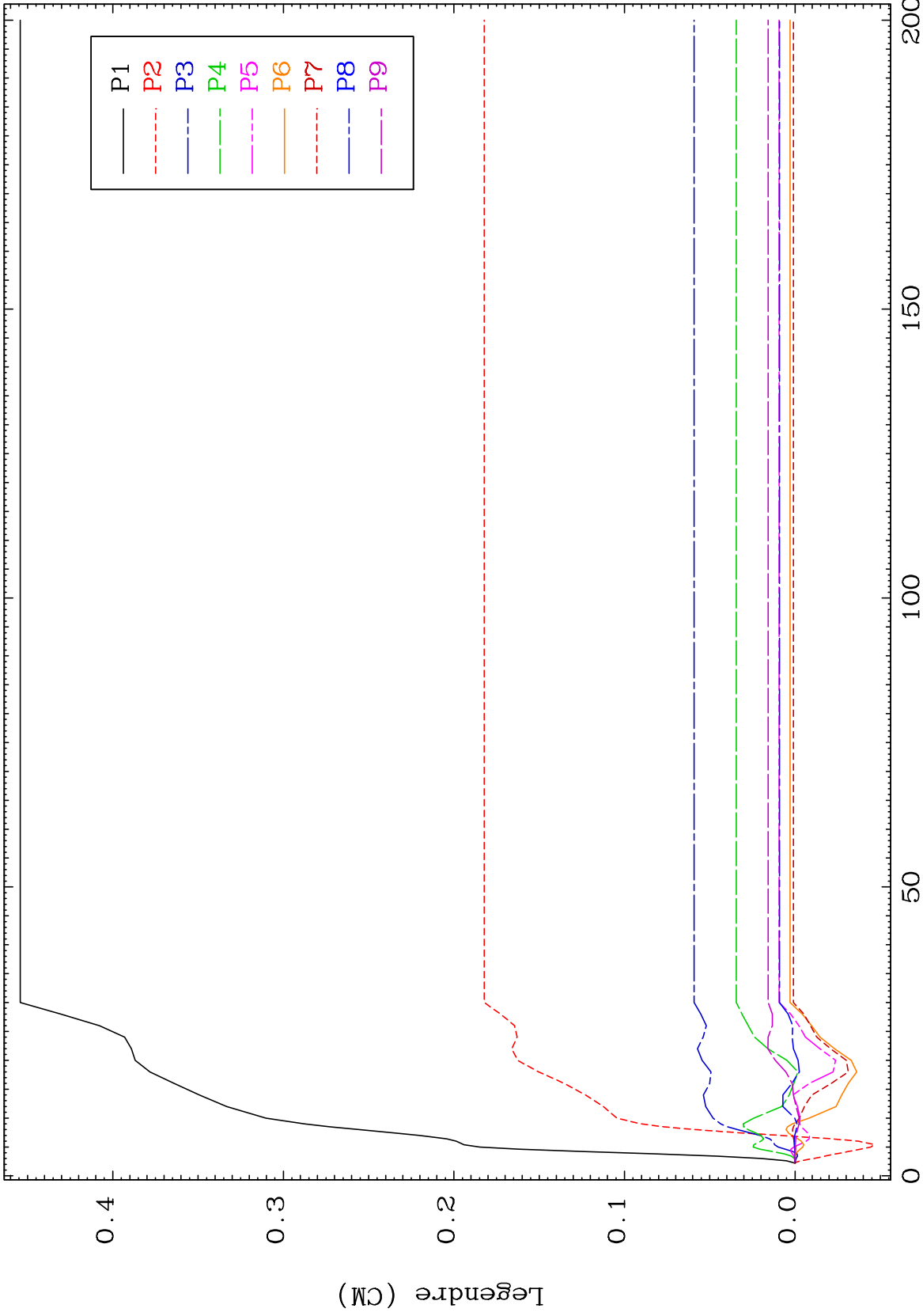
Incident Energy (MeV)

126

MAT 4943

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

49-In-119



127

Incident Energy (MeV)

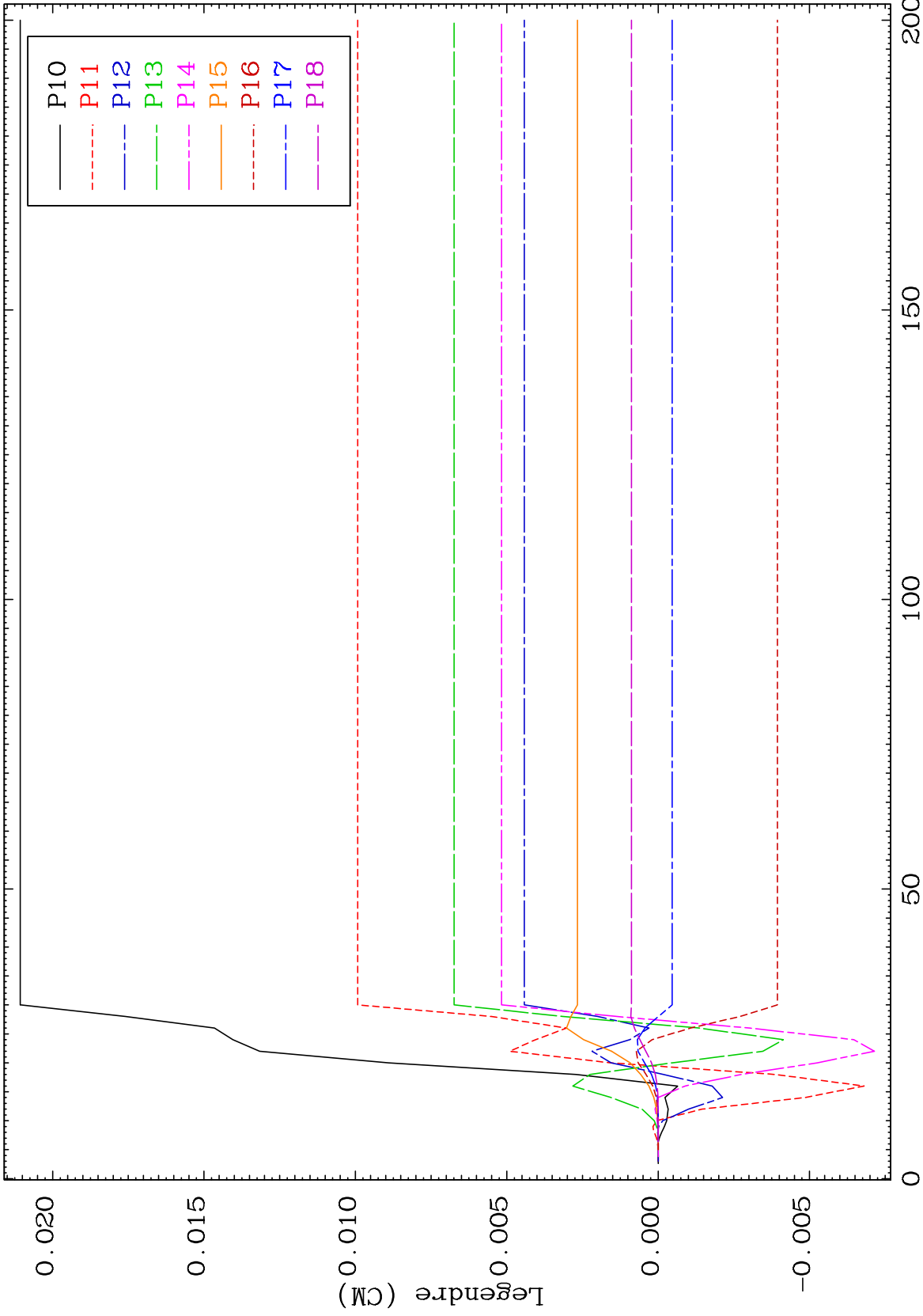
49-In-119



MAT 4943

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

49-In-119



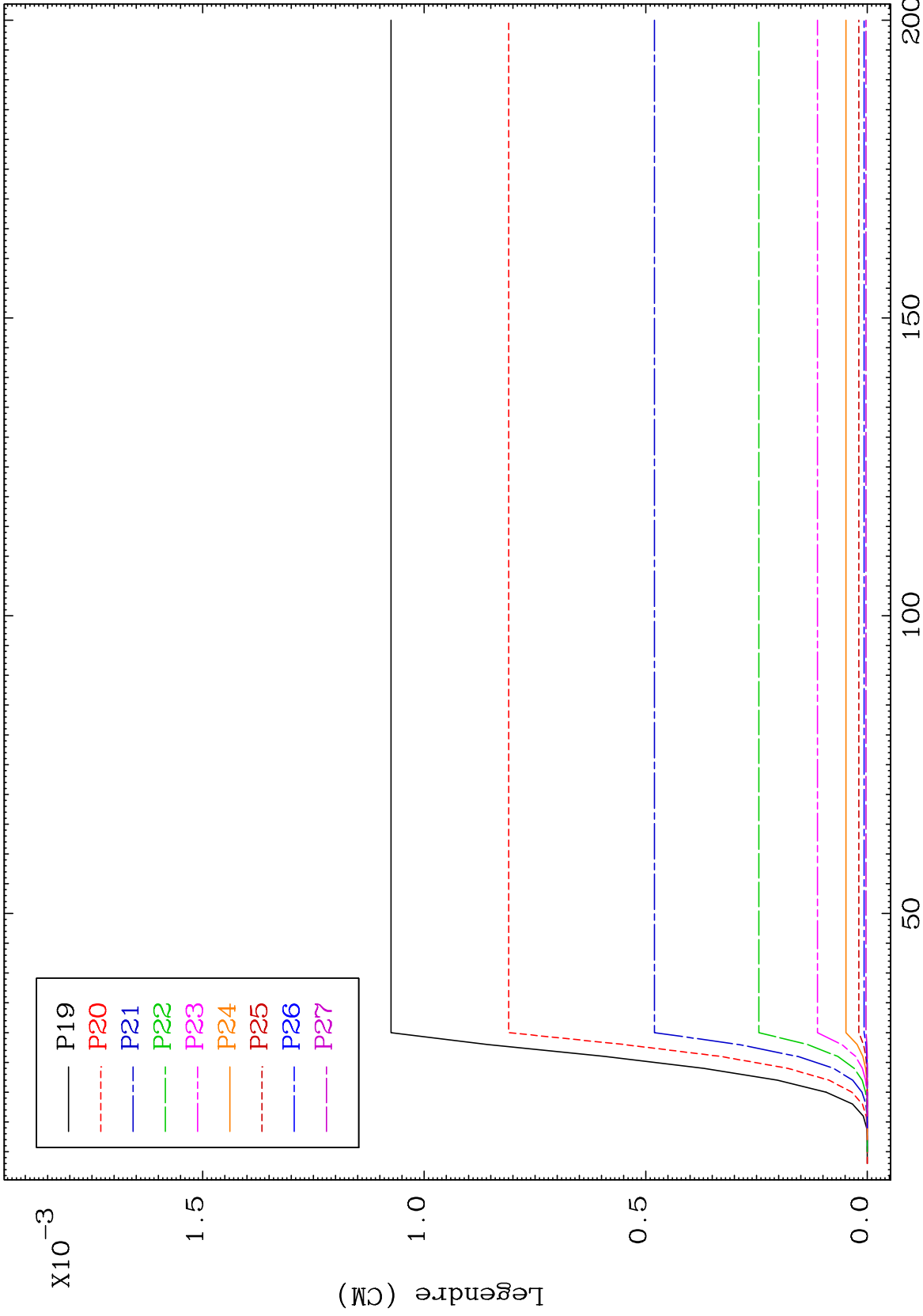
128

49-In-119

MAT 4943

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

49-In-119



129

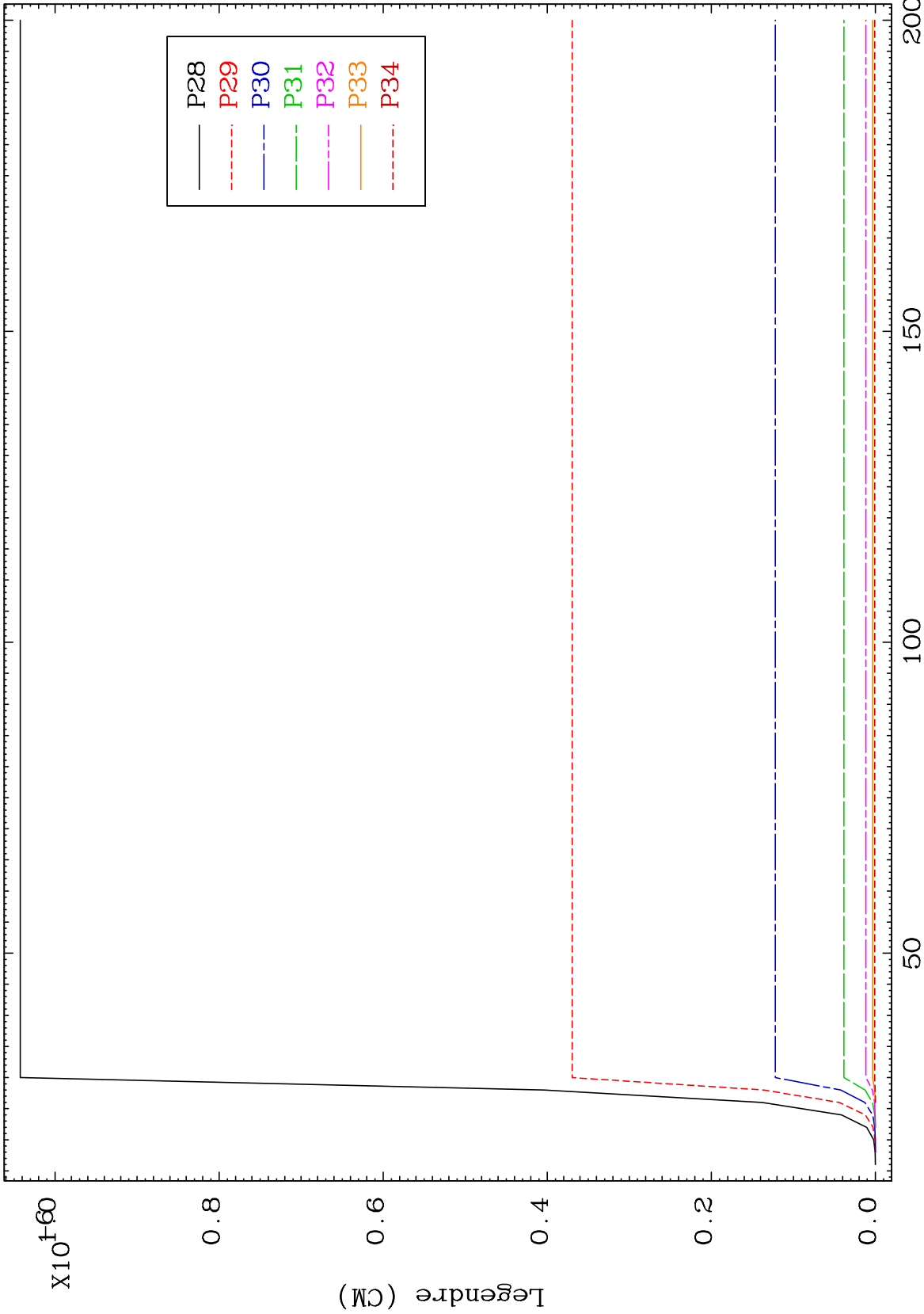
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



130

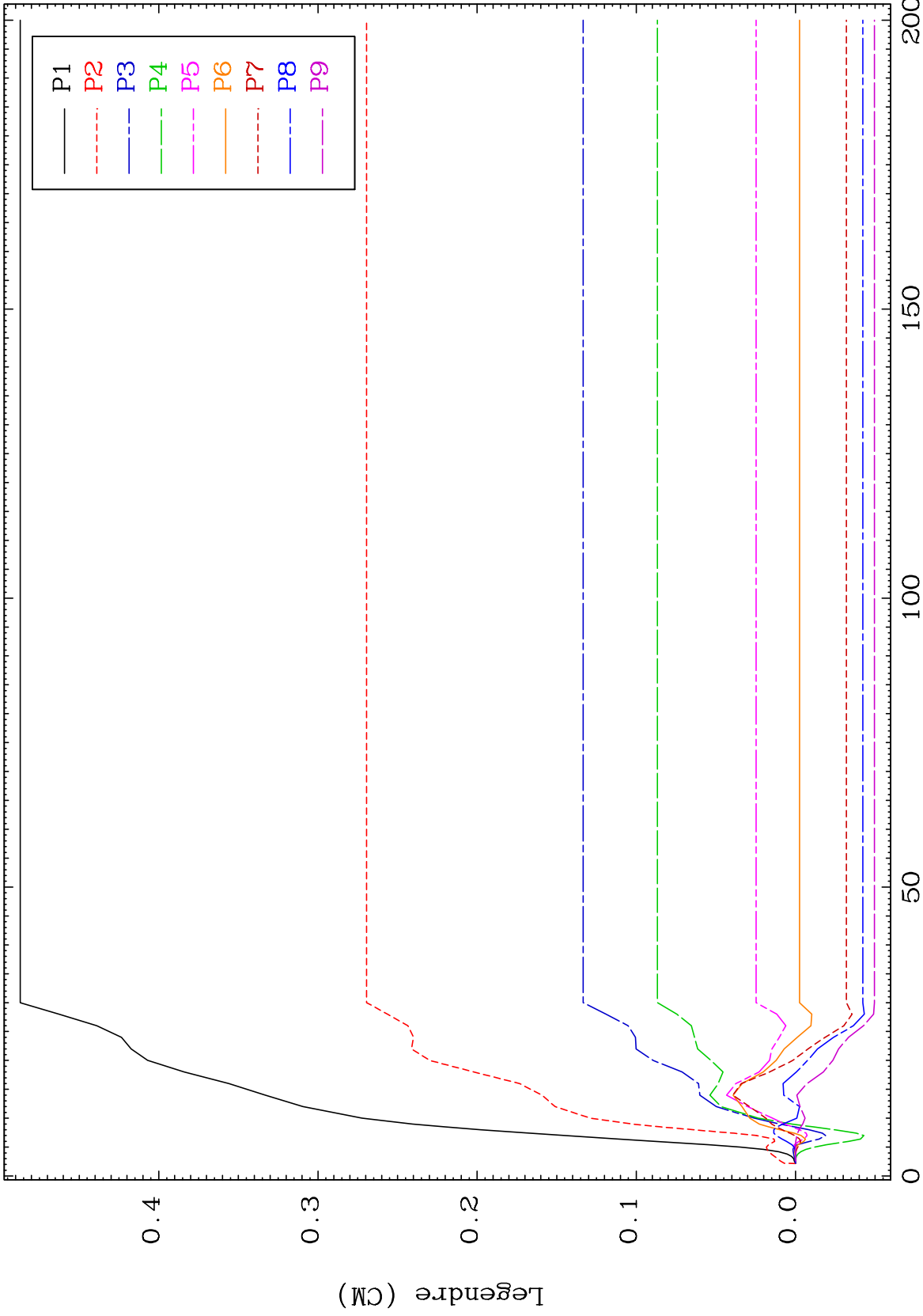
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



131

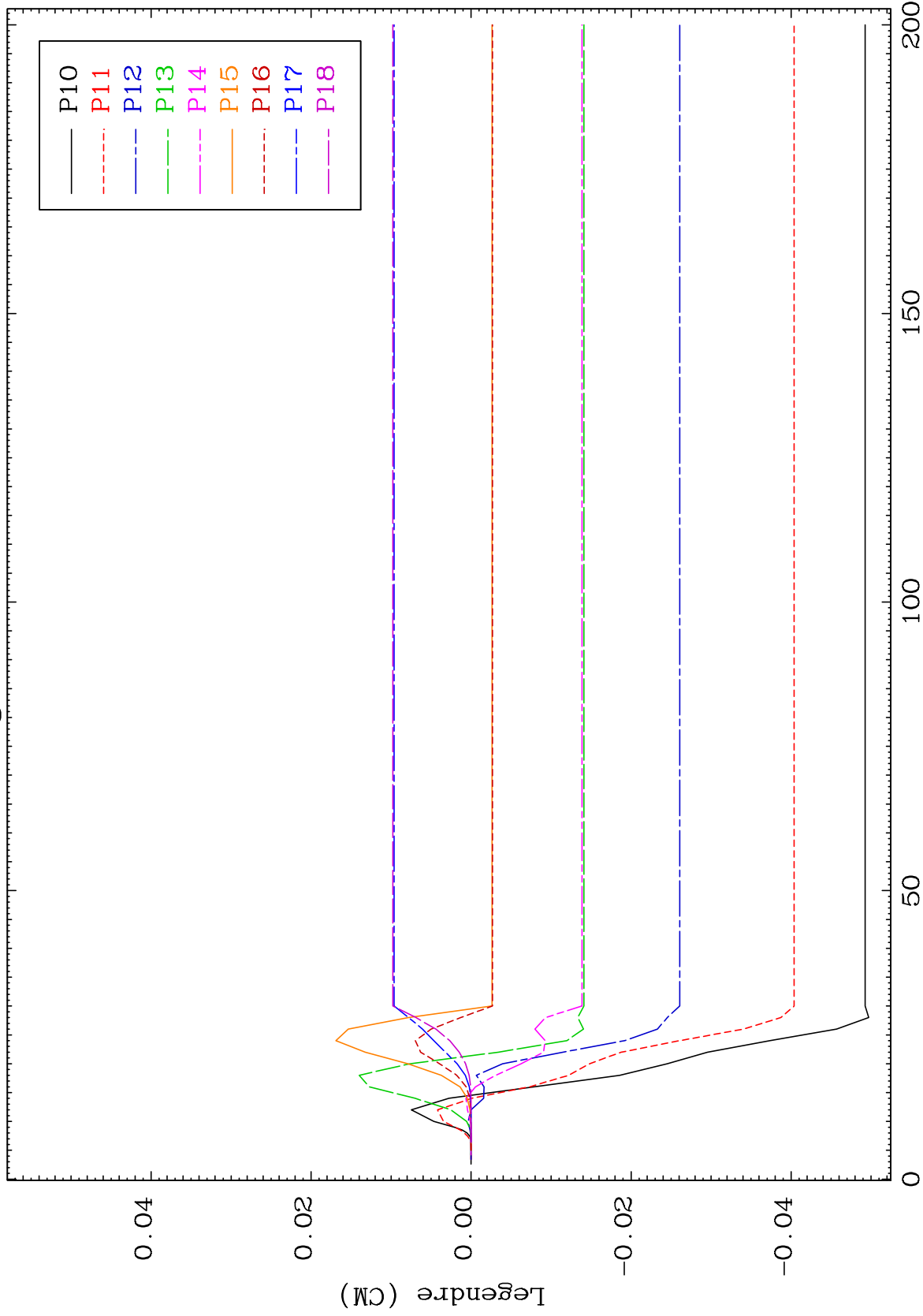
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



132

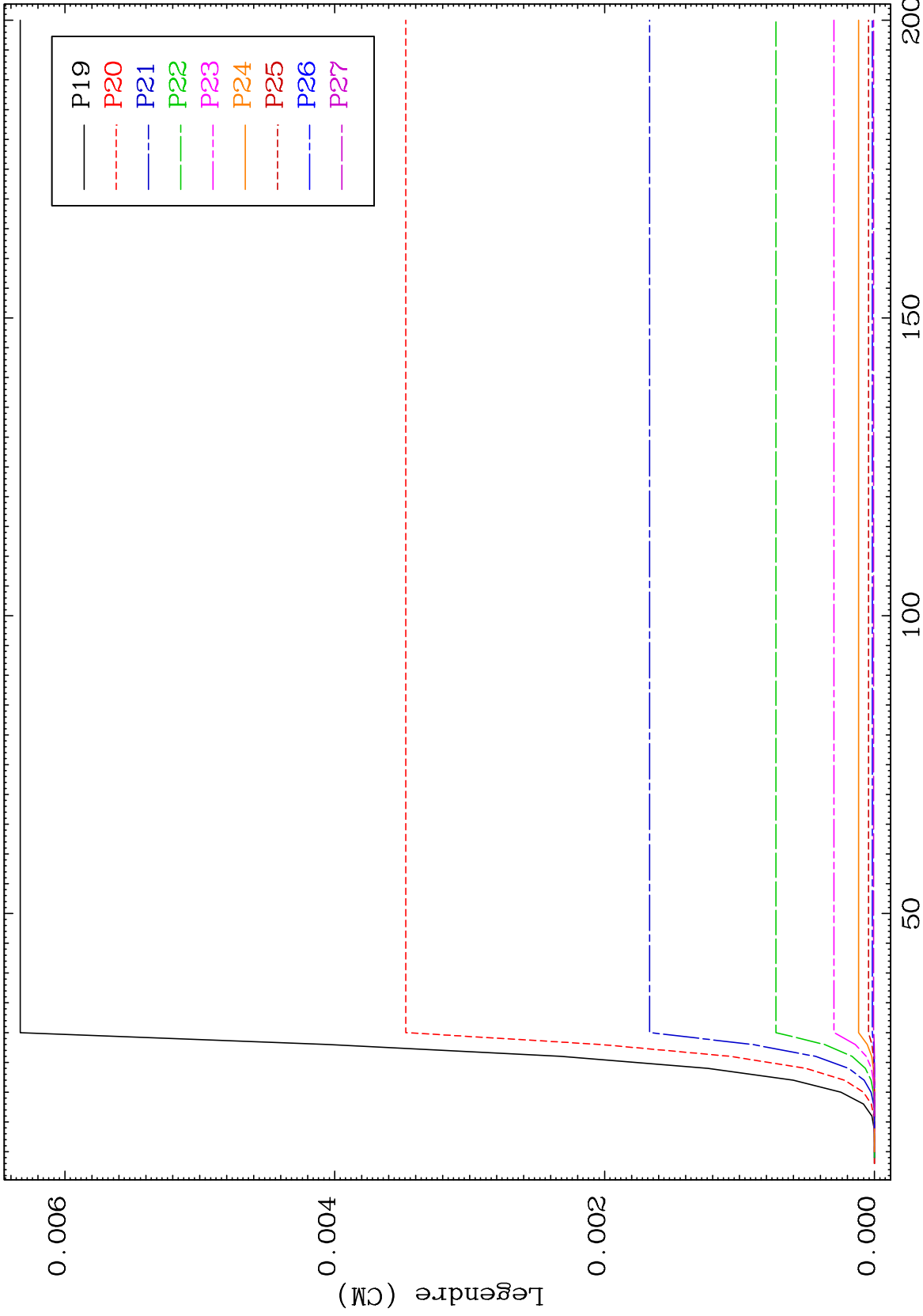
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



133

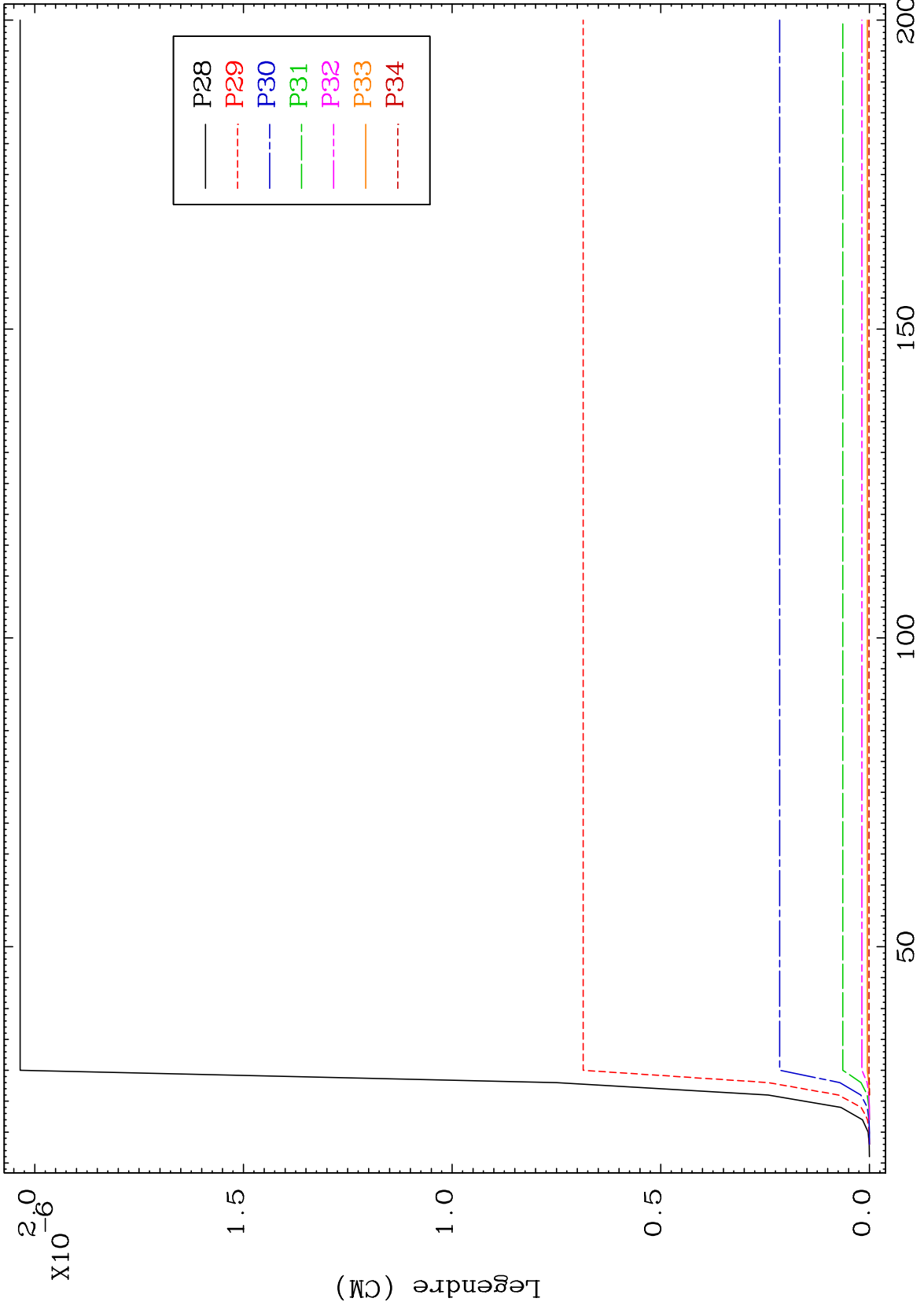
Incident Energy (MeV)

49-In-119

MAT 4943

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

49-In-119



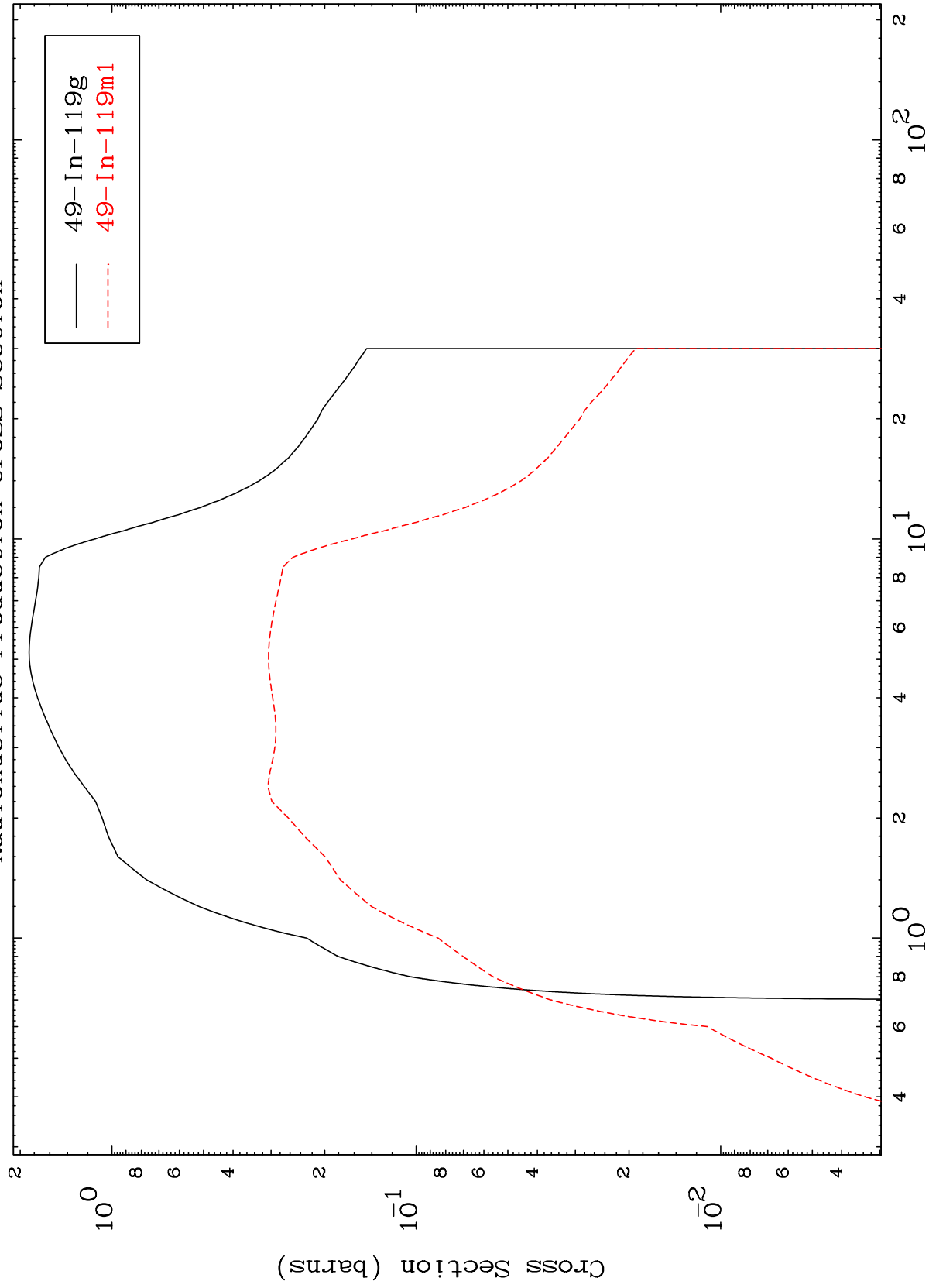
134

49-In-119

MAT 4943

49-In-119

### Inelastic Radionuclide Production Cross Section



135

49-In-119

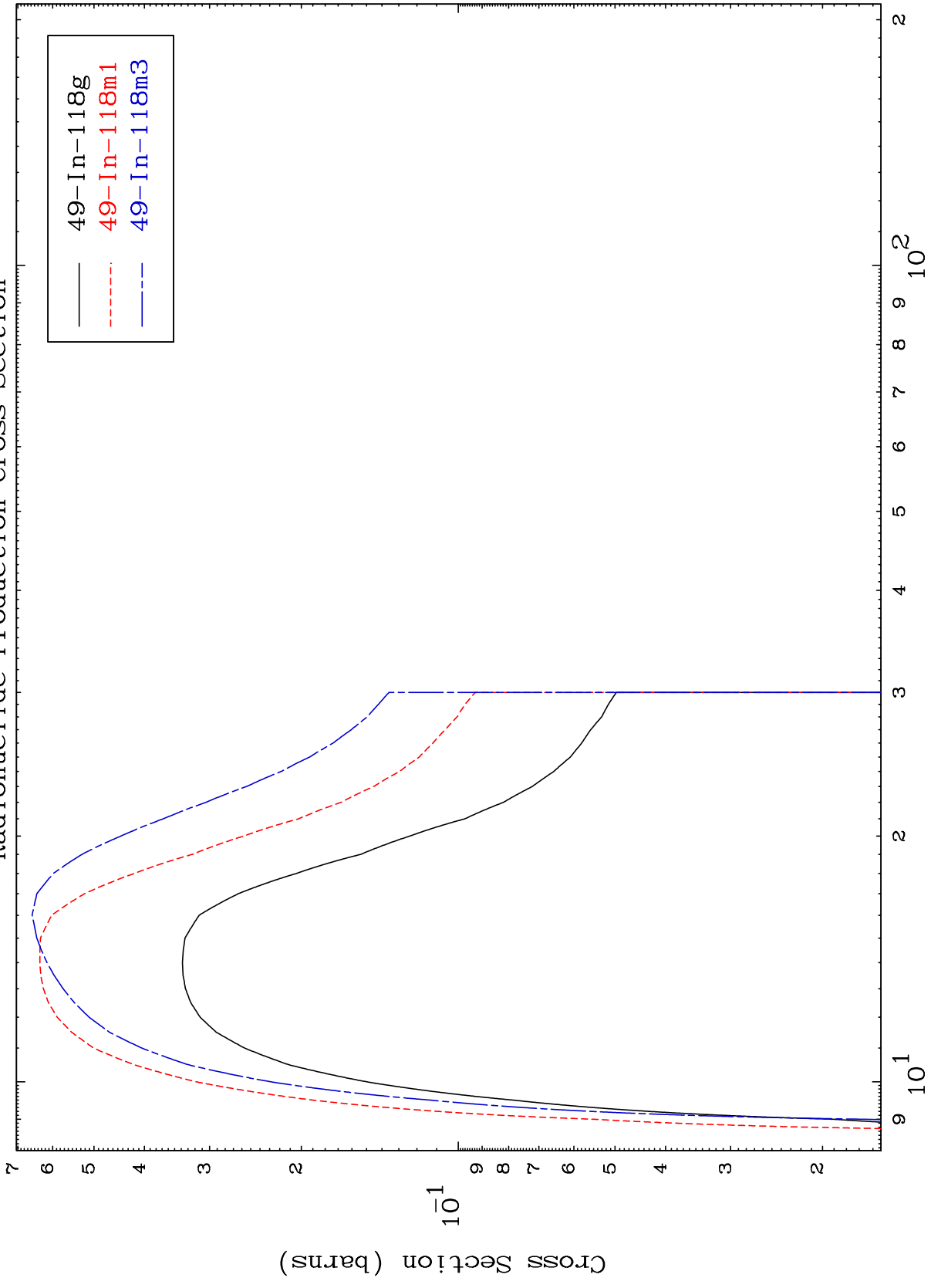


MAT 4943

(n,2n)

49-In-119

Radionuclide Production Cross Section



49-In-119

Incident Energy (MeV)

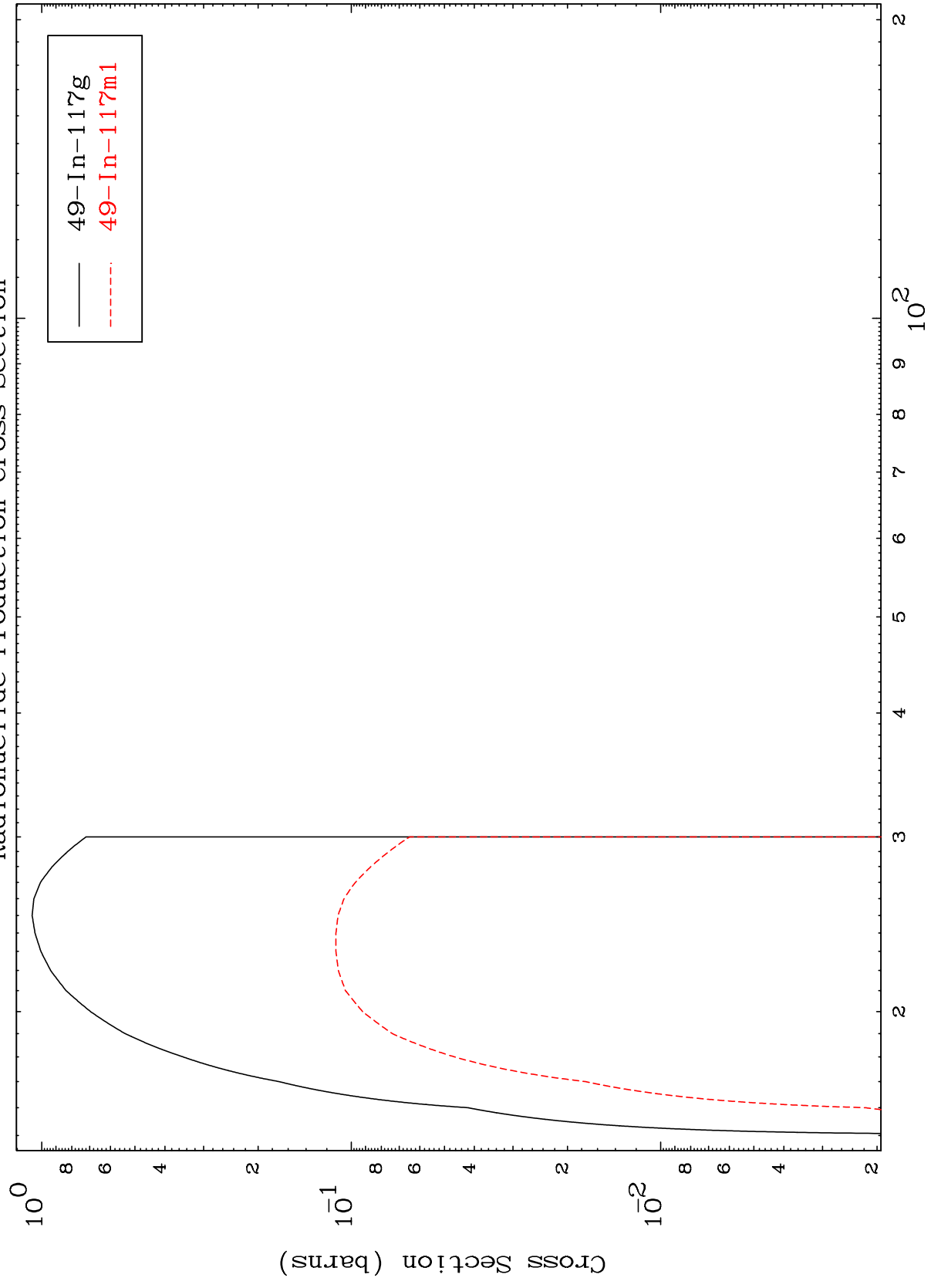
136

MAT 4943

(n,3n)

49-In-119

Radionuclide Production Cross Section



137

Incident Energy (MeV)

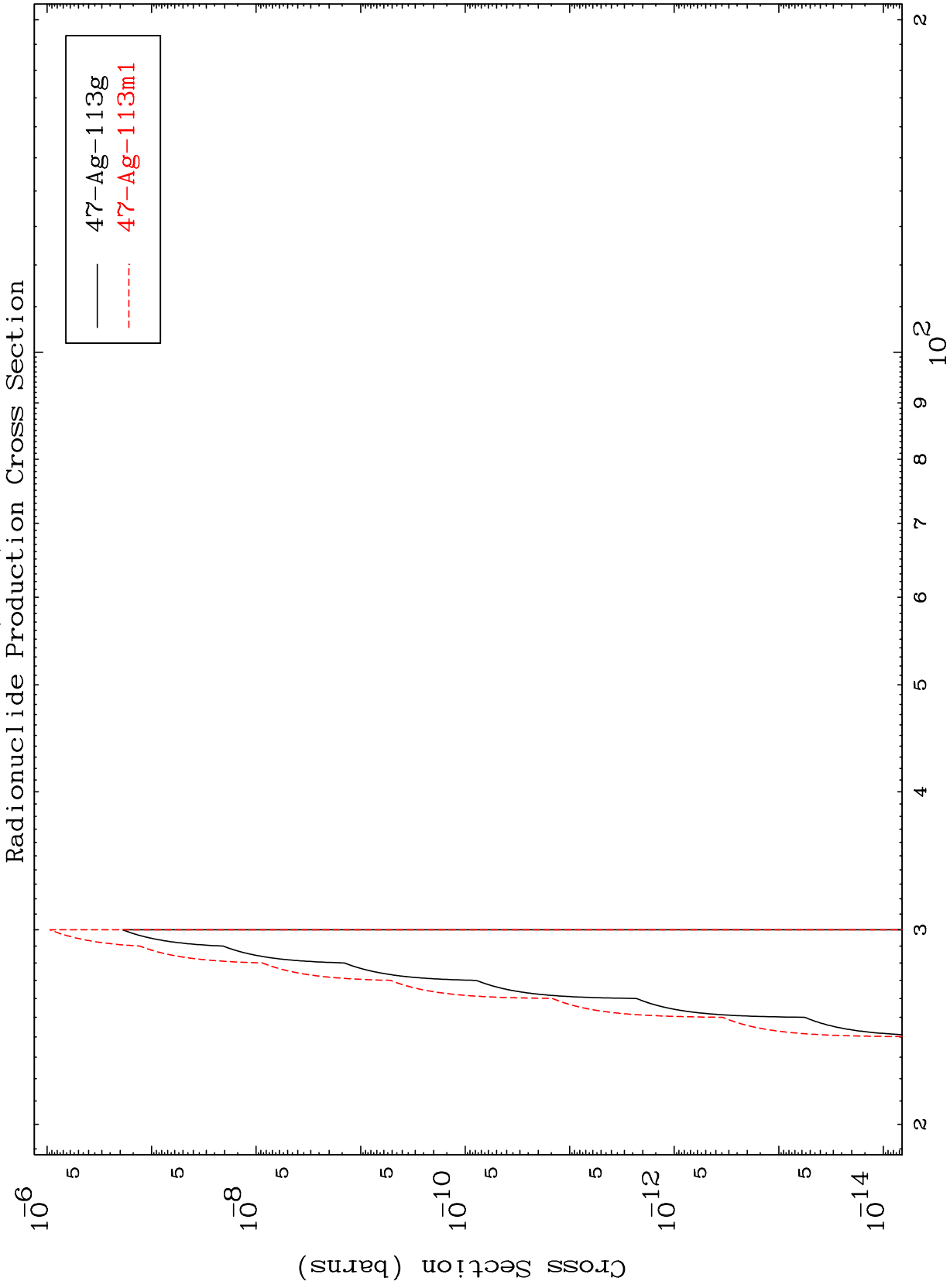
49-In-119



MAT 4943

(n,3n)  $\alpha$

49-In-119



139

Incident Energy (MeV)

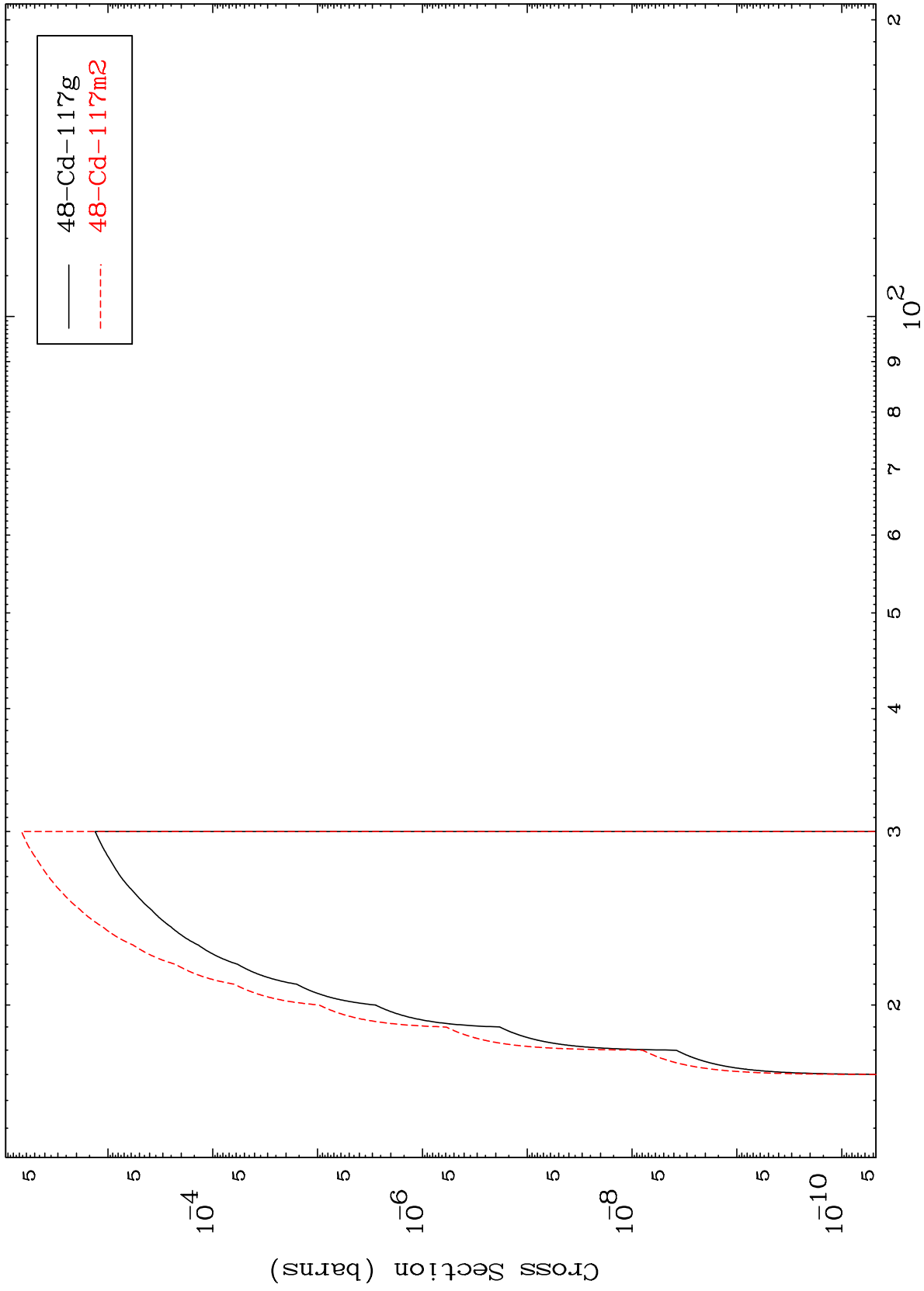
49-In-119

MAT 4943

(n,n') d

49-In-119

Radionuclide Production Cross Section



140

Incident Energy (MeV)

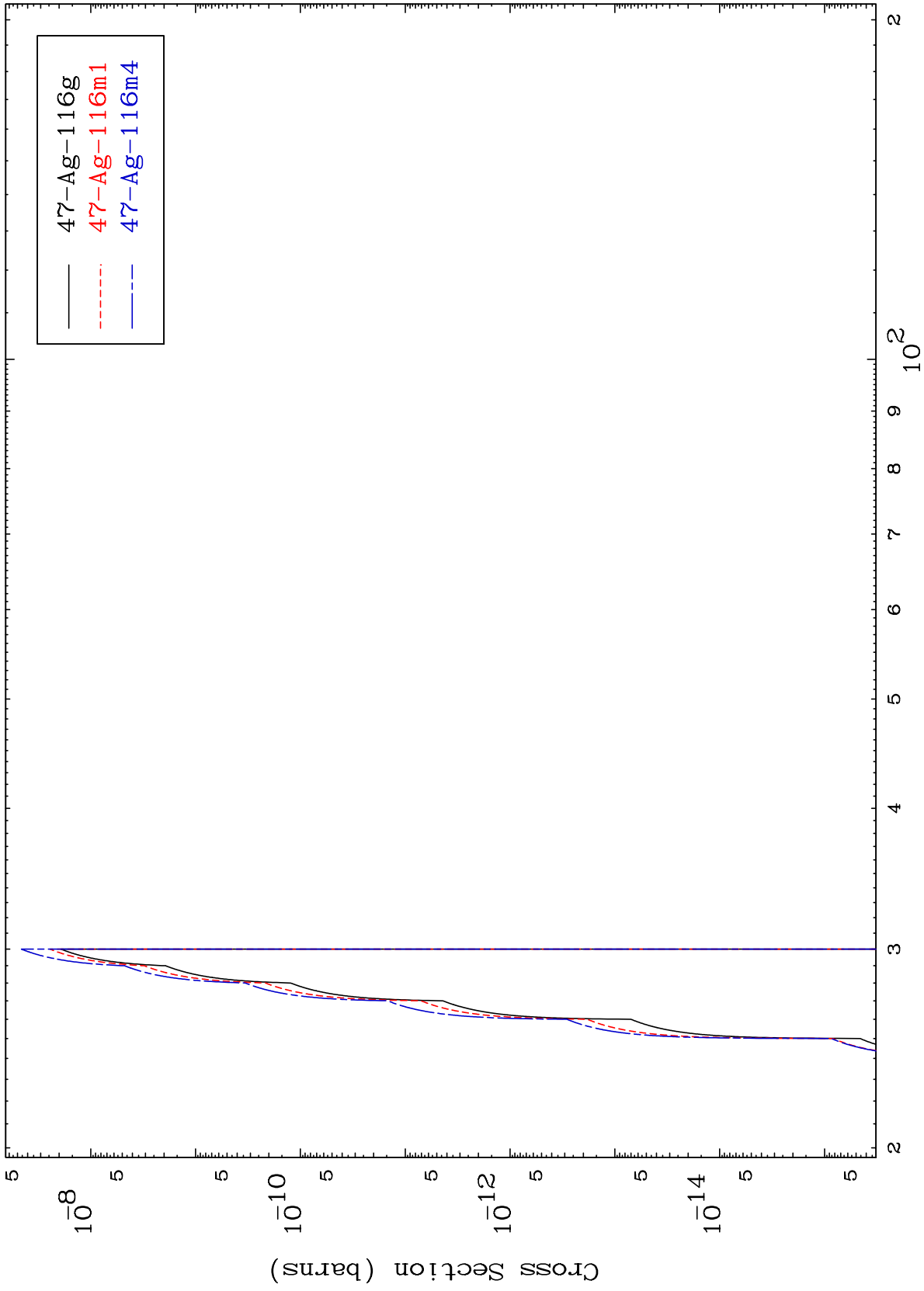
49-In-119

MAT 4943

(n, n') He-3

49-In-119

Radionuclide Production Cross Section



141

Incident Energy (MeV)

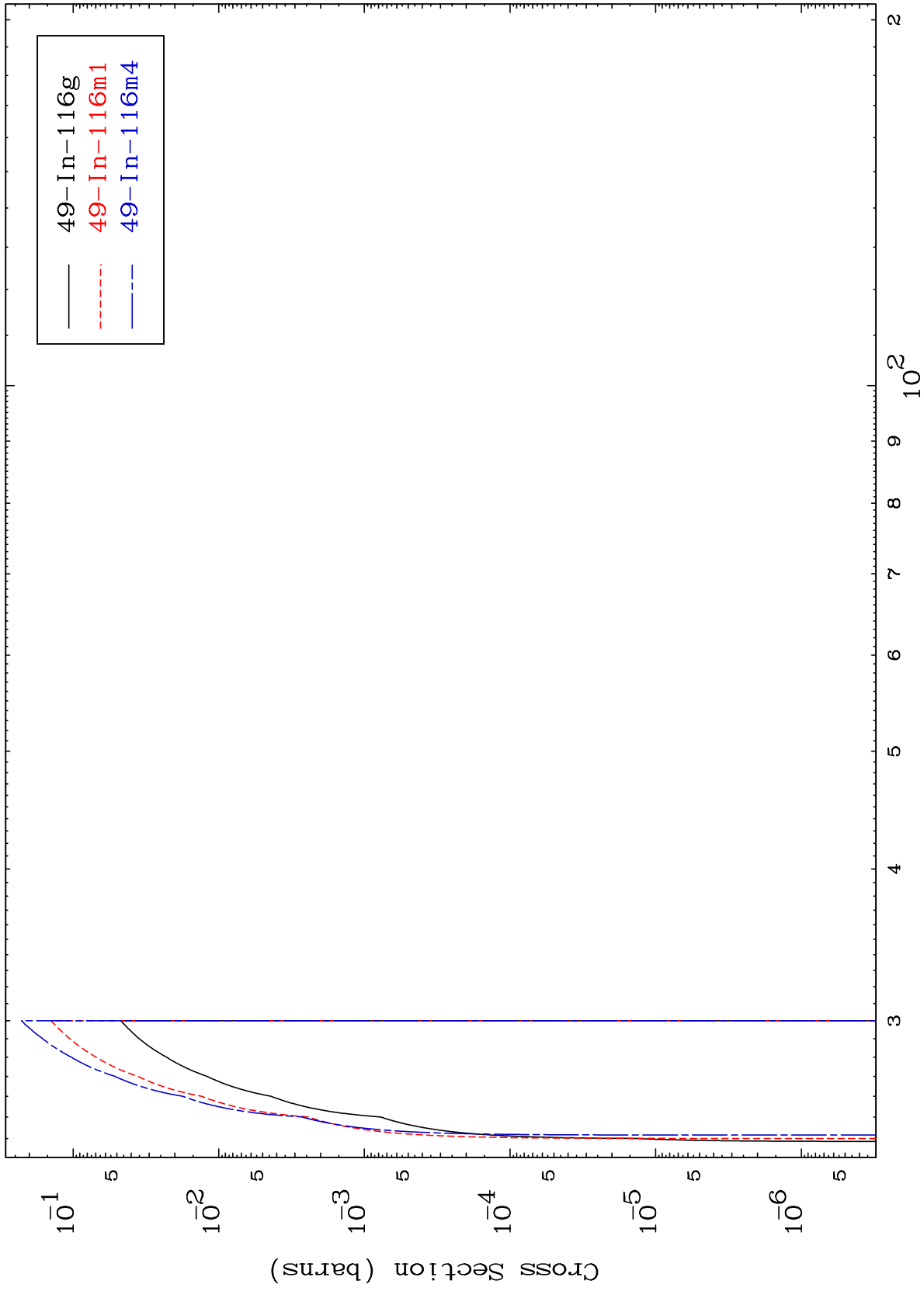
49-In-119

MAT 4943

(n,4n)

49-In-119

Radionuclide Production Cross Section



142

Incident Energy (MeV)

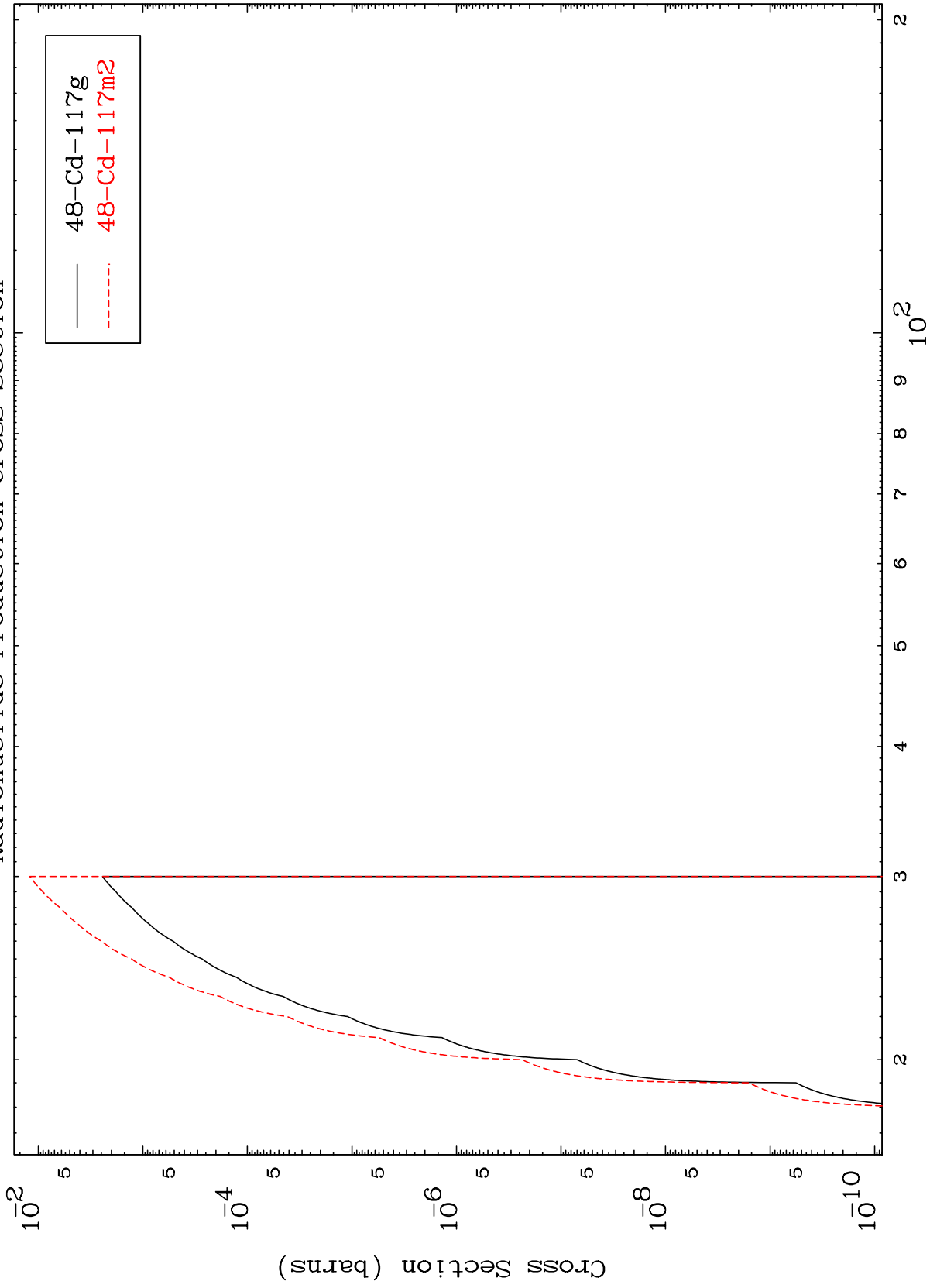
49-In-119

MAT 4943

(n,2n) p

49-In-119

Radionuclide Production Cross Section



143

Incident Energy (MeV)

49-In-119

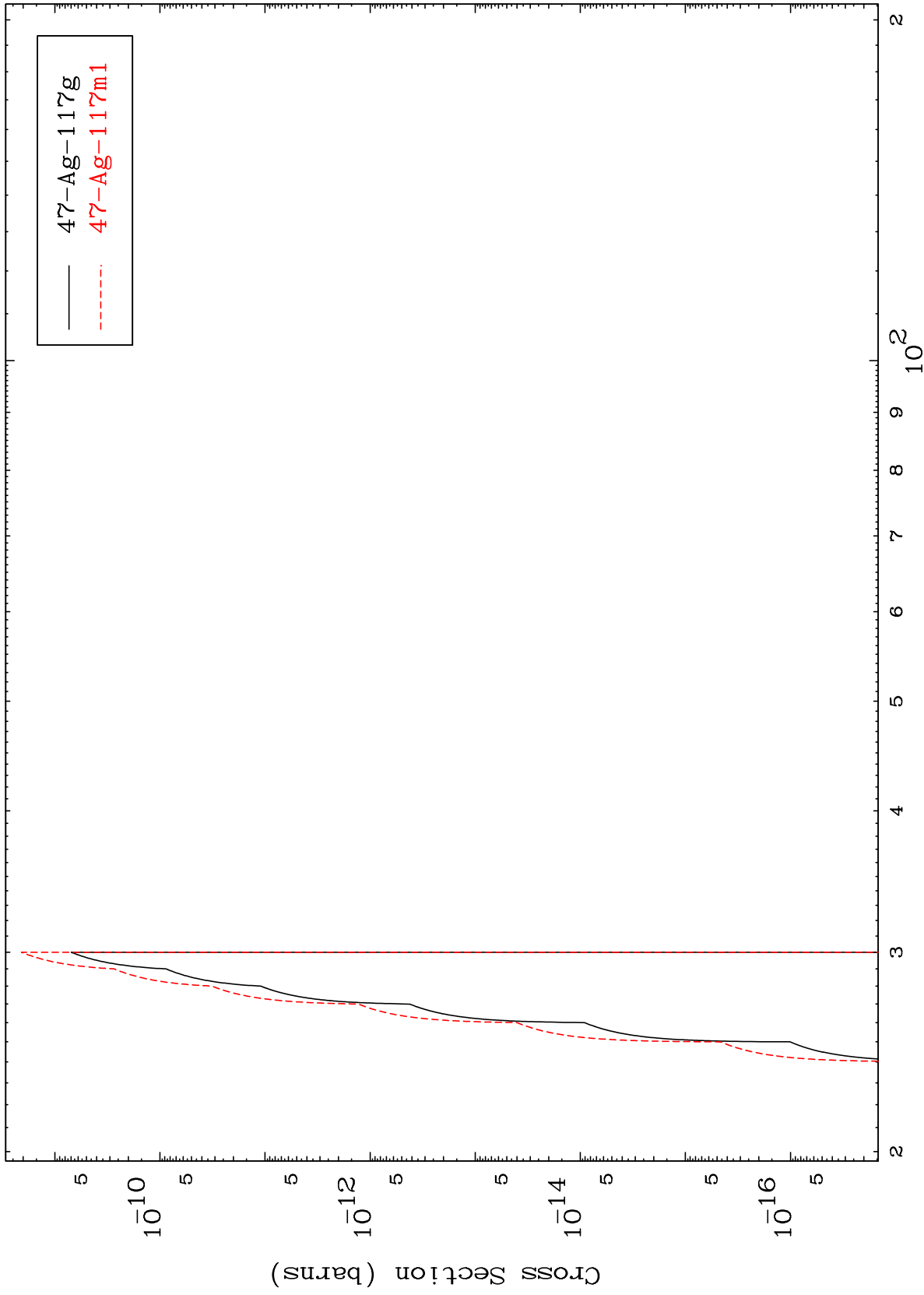


MAT 4943

(n,2n) p

49-In-119

Radionuclide Production Cross Section



144

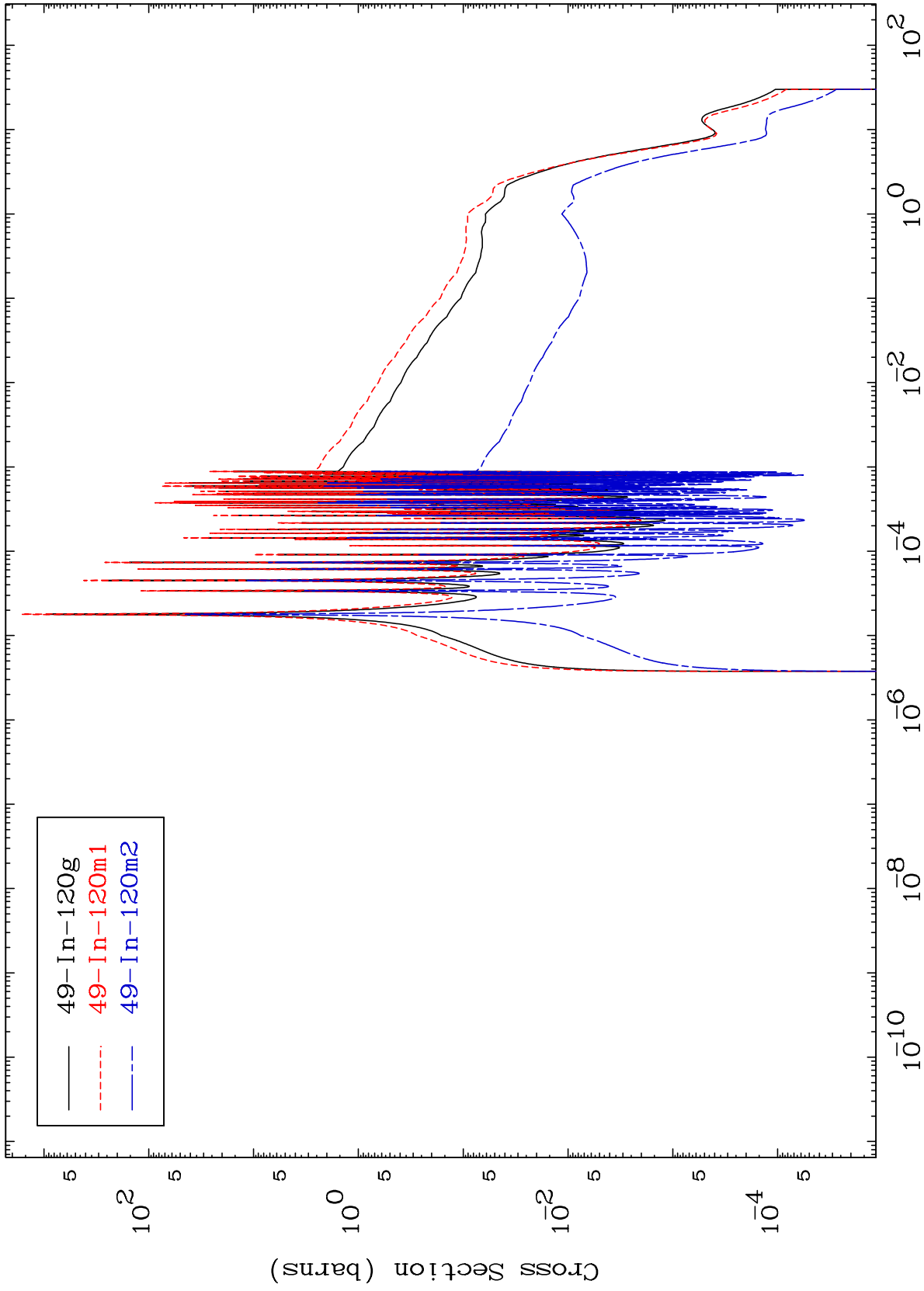
Incident Energy (MeV)

49-In-119

MAT 4943

49-In-119

Radionuclide Production Cross Section

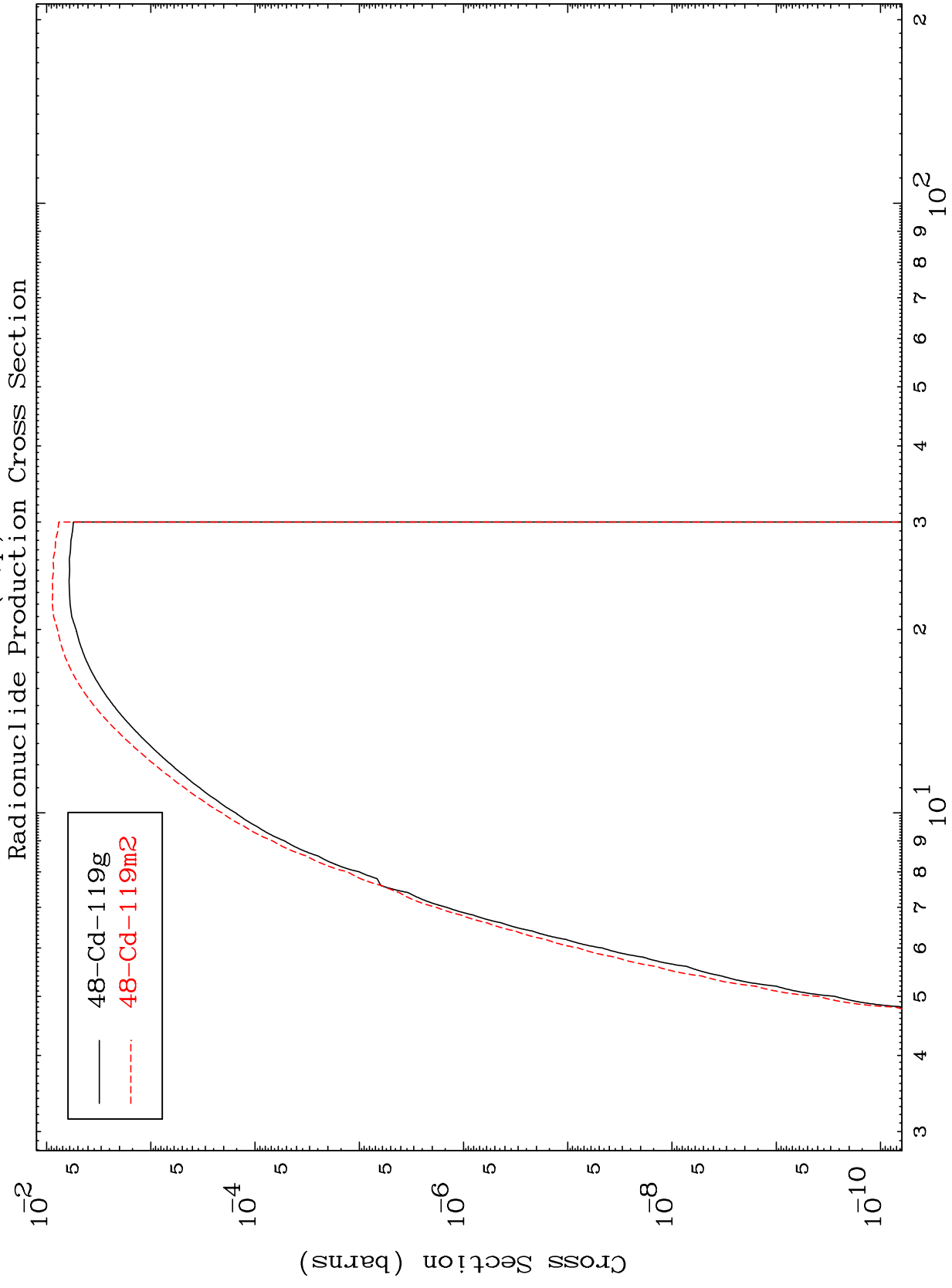


145

49-In-119

MAT 4943

49-In-119



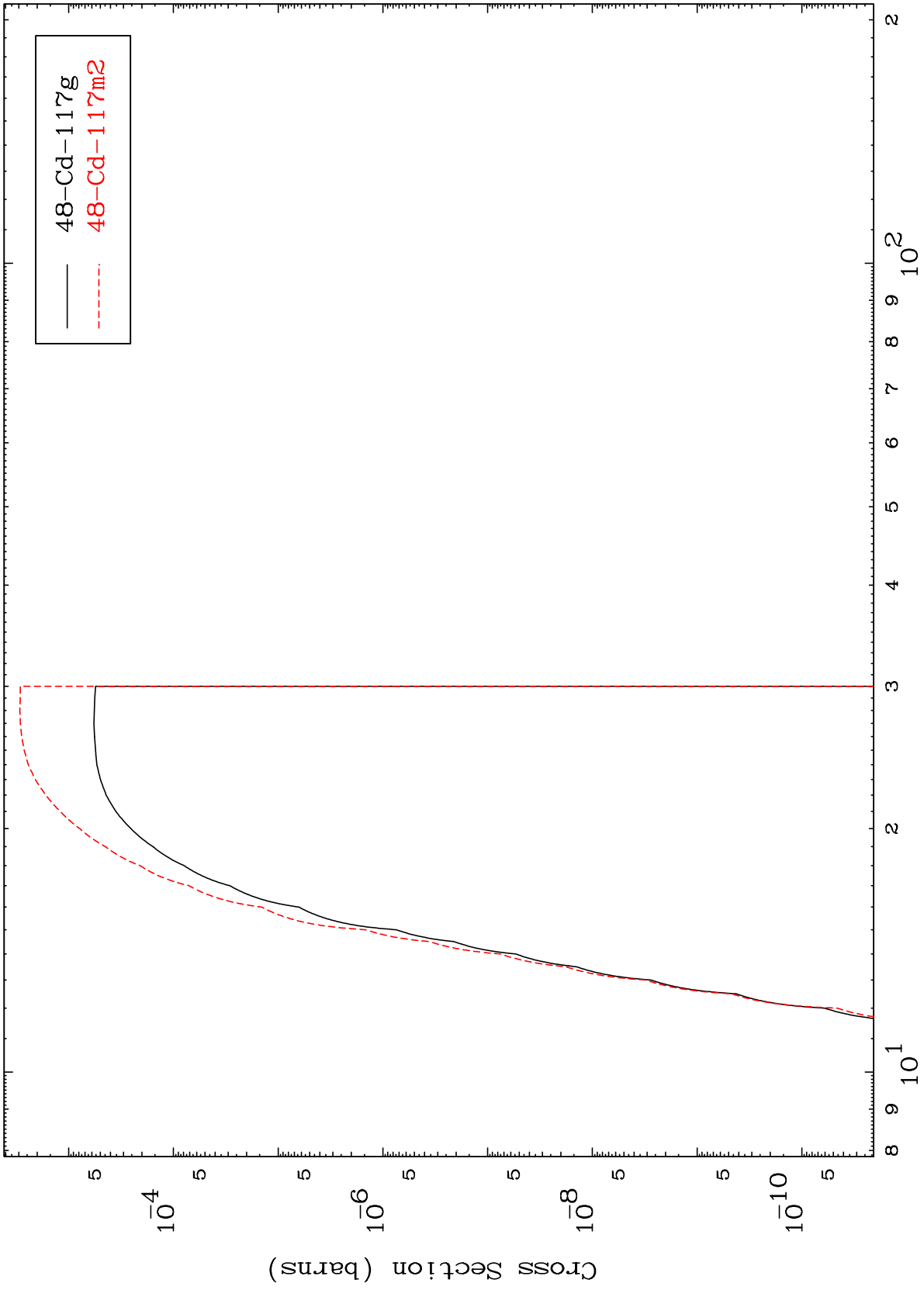
146

49-In-119

MAT 4943

49-In-119

(n, t)  
Radionuclide Production Cross Section



147

Incident Energy (MeV)

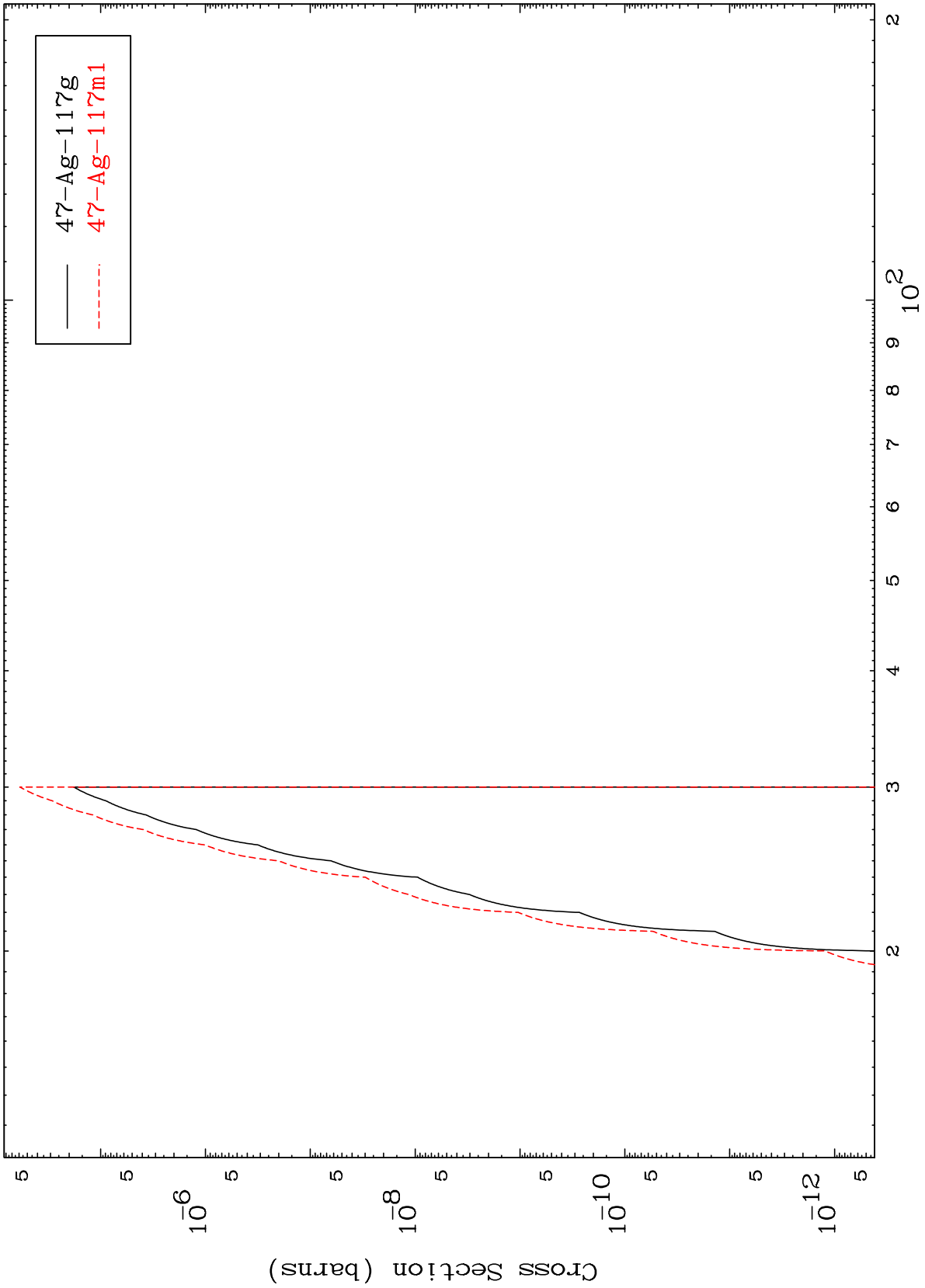
49-In-119

MAT 4943

(n, He-3)

49-In-119

Radionuclide Production Cross Section



148

Incident Energy (MeV)

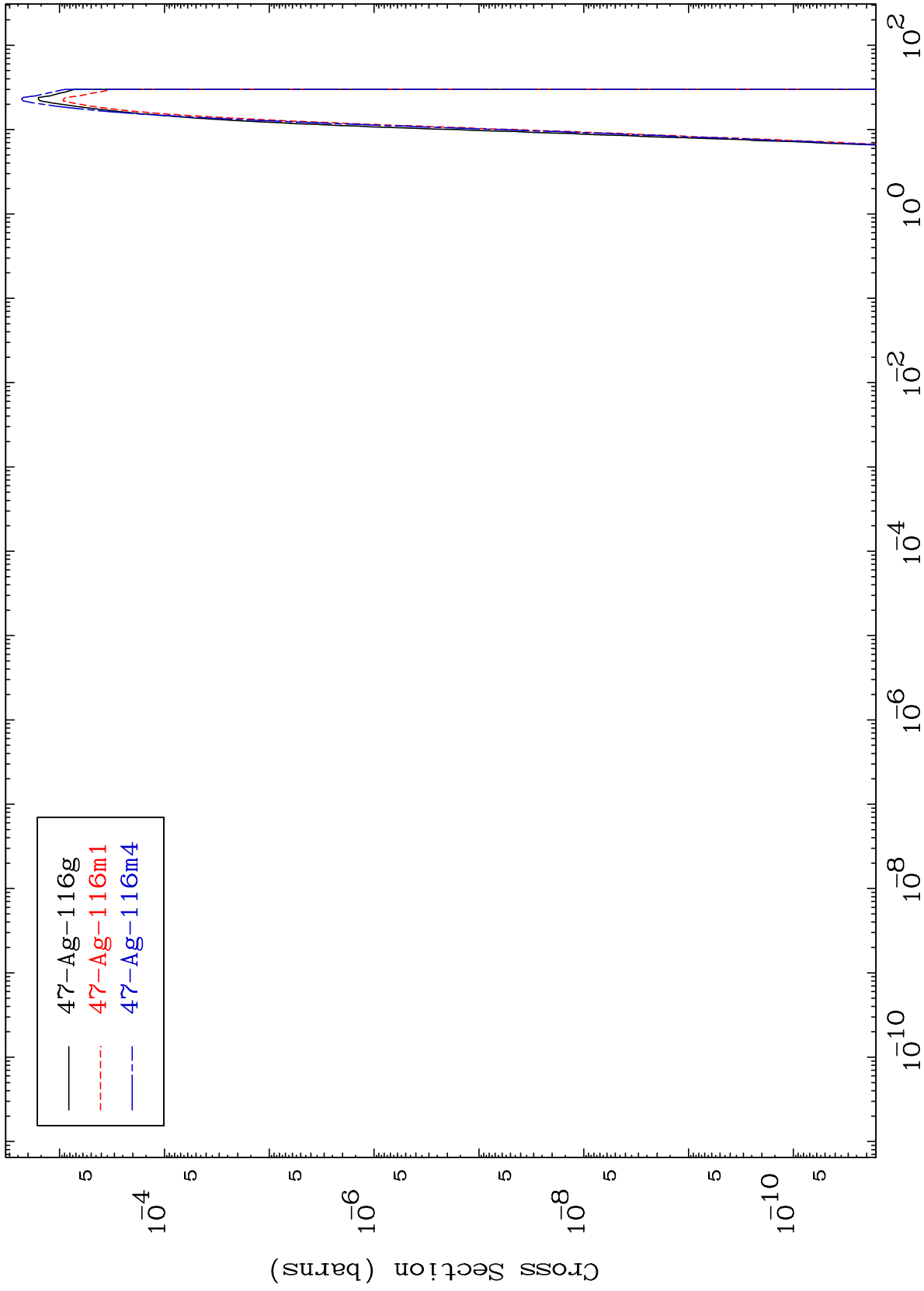
49-In-119

MAT 4943

(n,  $\alpha$ )

49-In-119

Radionuclide Production Cross Section



149

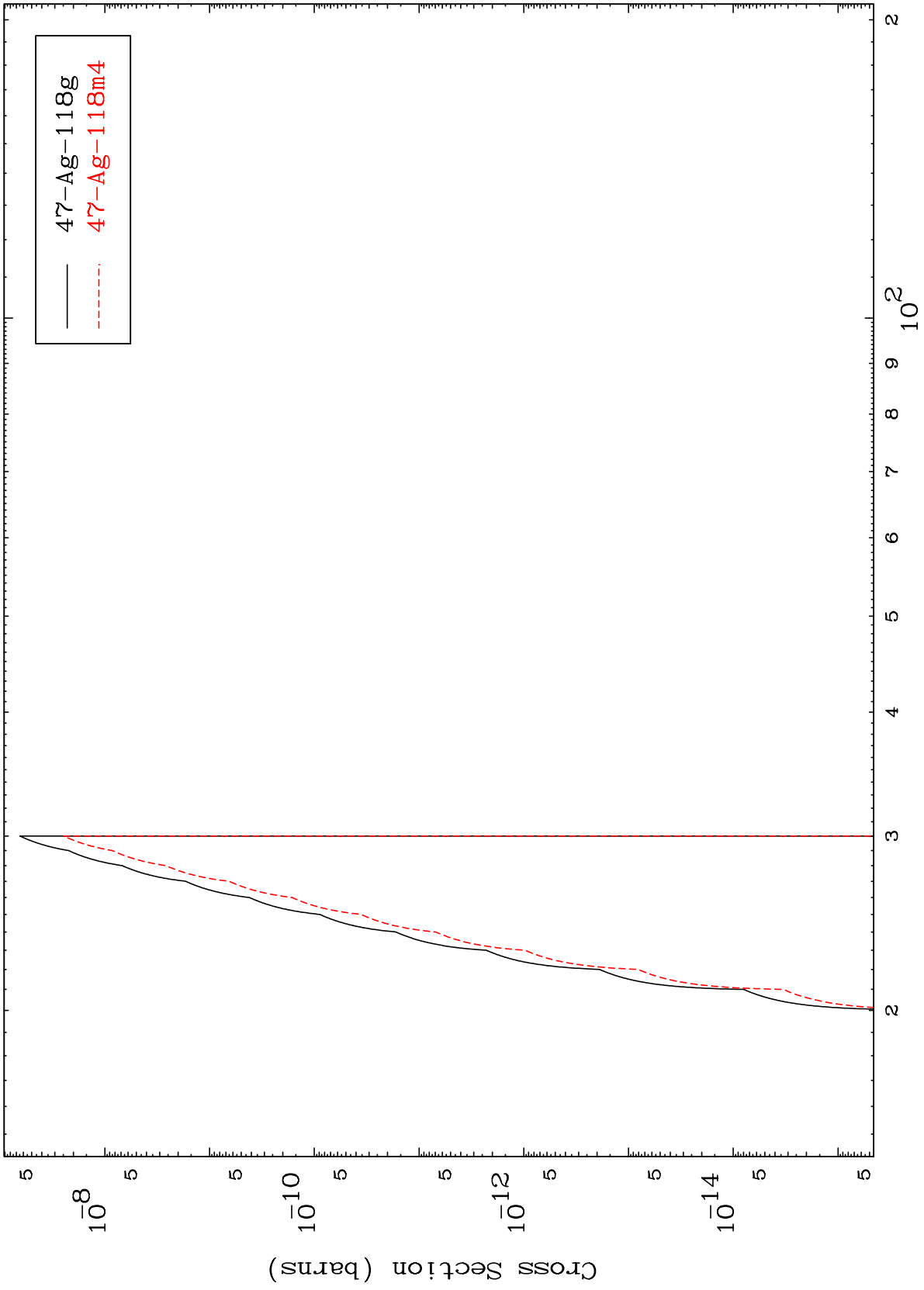
Incident Energy (MeV)

49-In-119

MAT 4943

49-In-119

(n,2p)  
Radionuclide Production Cross Section



150

49-In-119

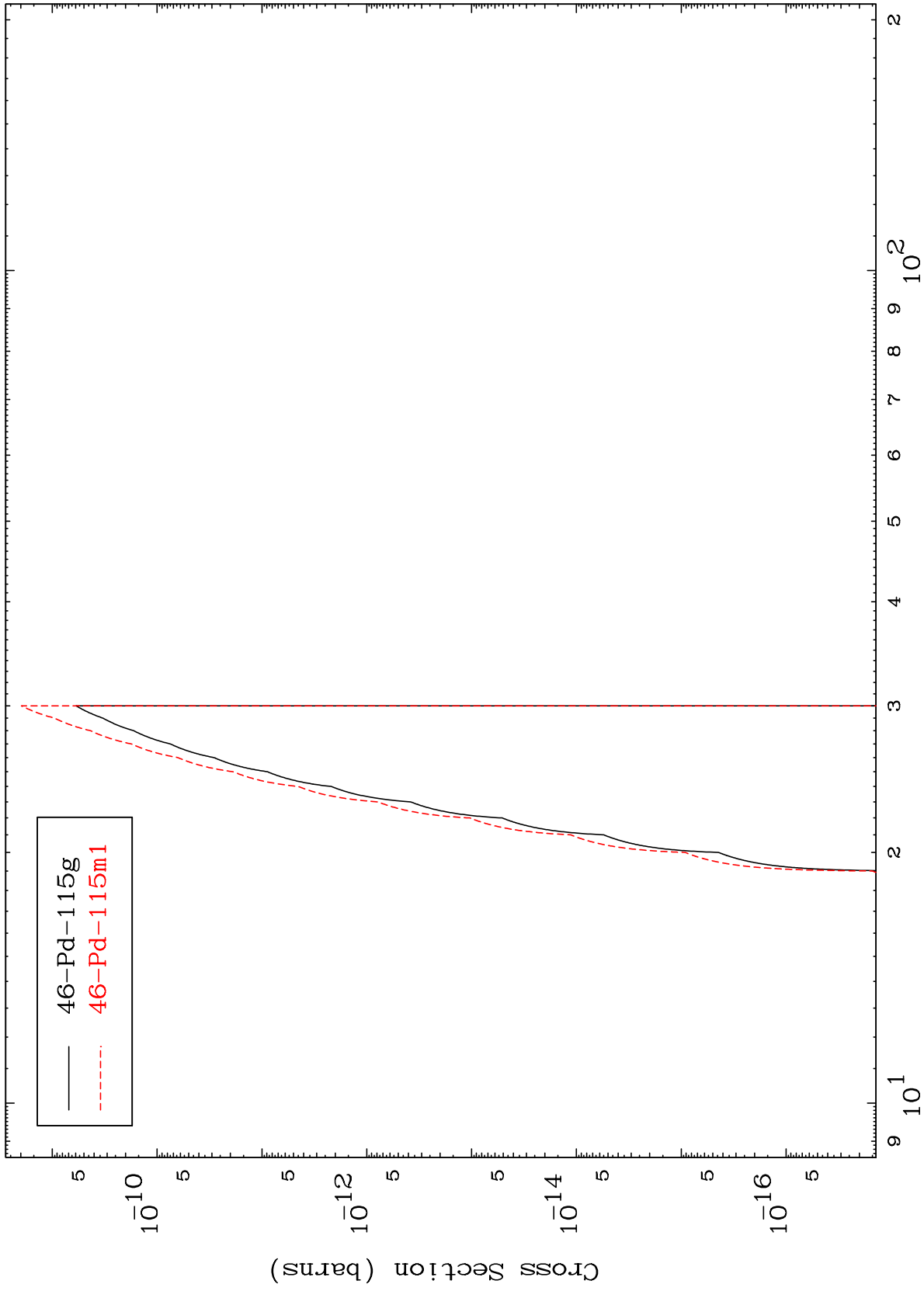
Incident Energy (MeV)

MAT 4943

(n,p)  $\alpha$

49-In-119

Radionuclide Production Cross Section



151

Incident Energy (MeV)

49-In-119