

Program EVALPLOT  
(Version 2018-1)

by

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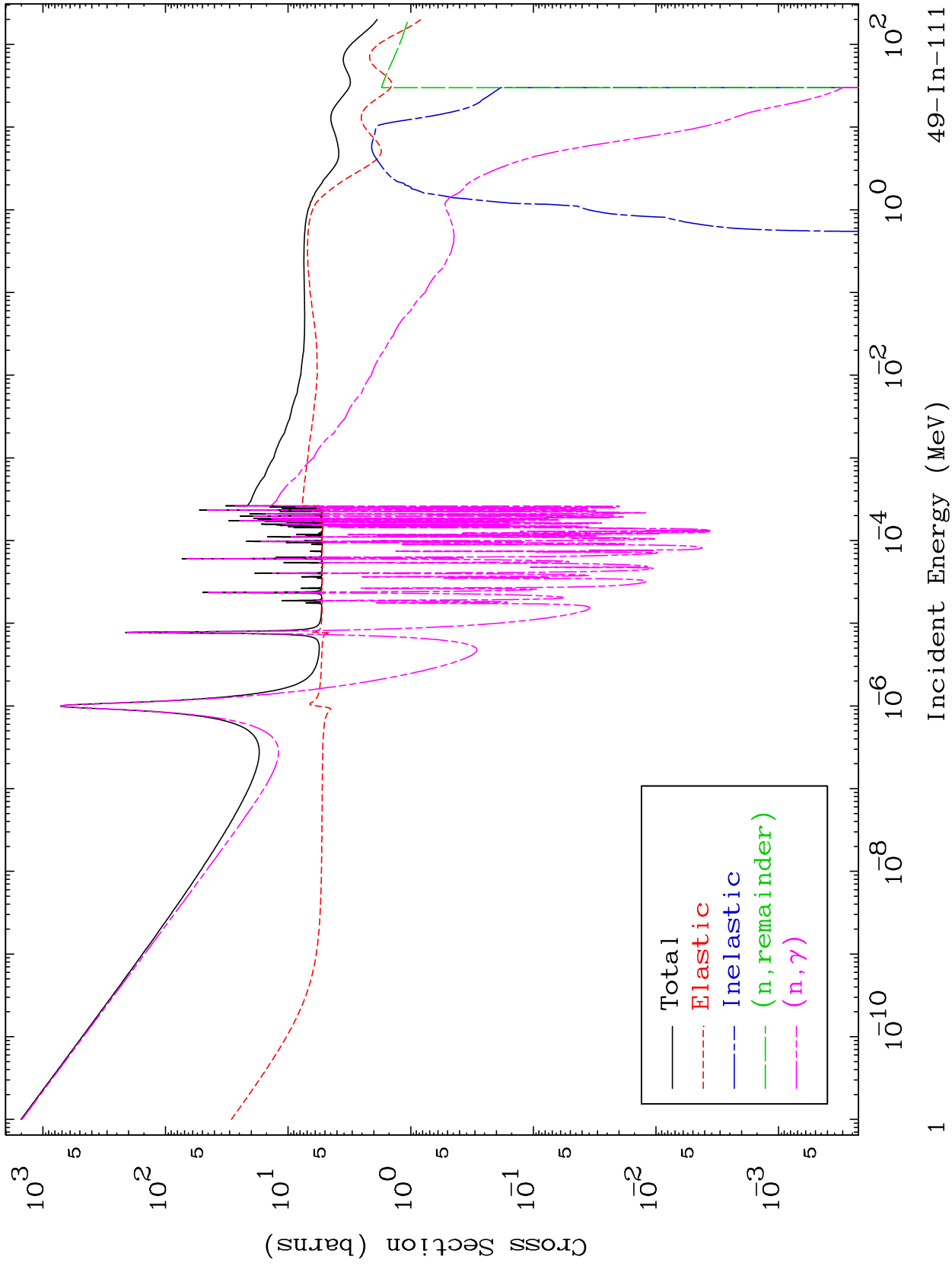
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Web:redcullen1.net/HOMEPAGE.NEW

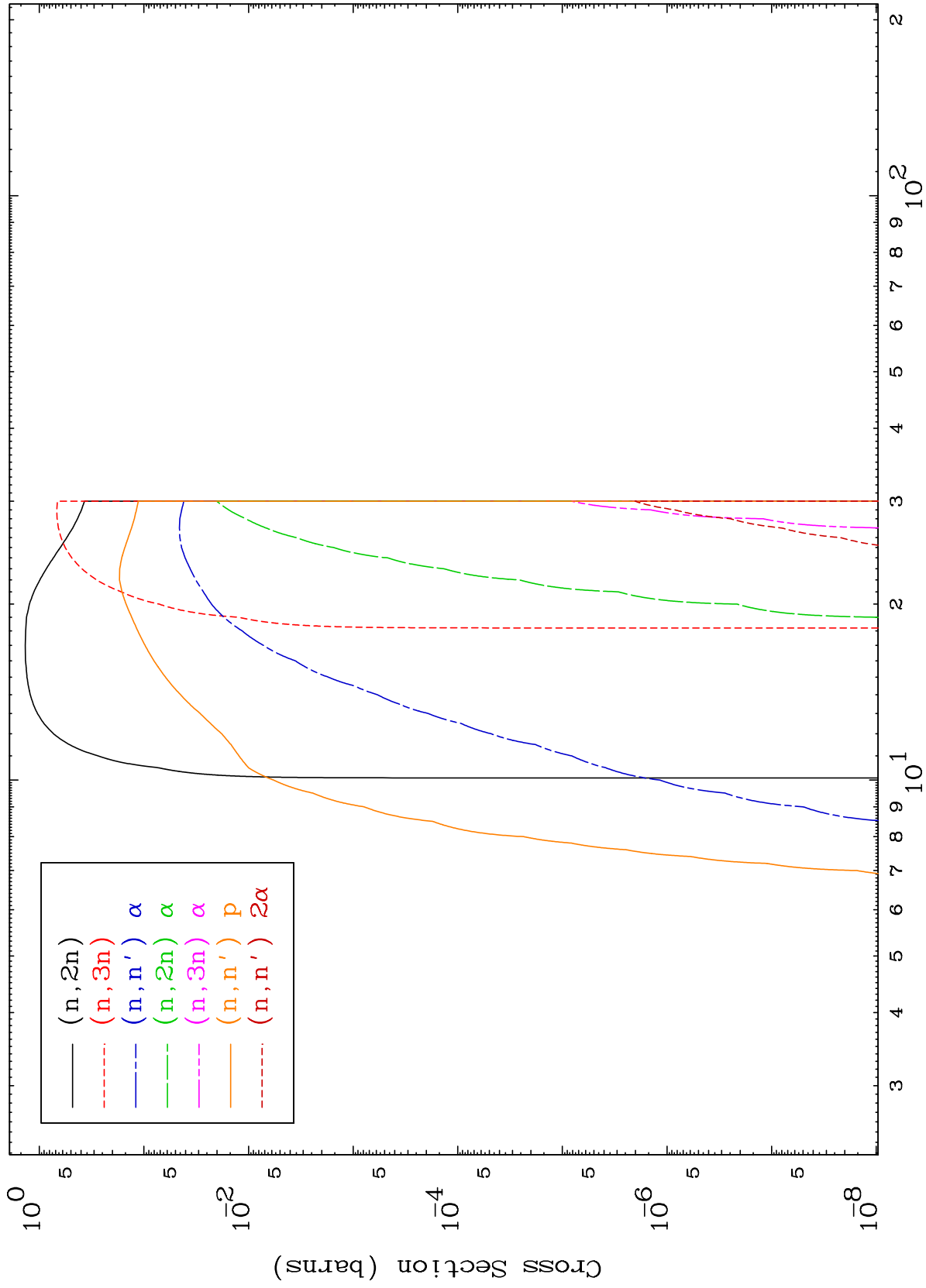
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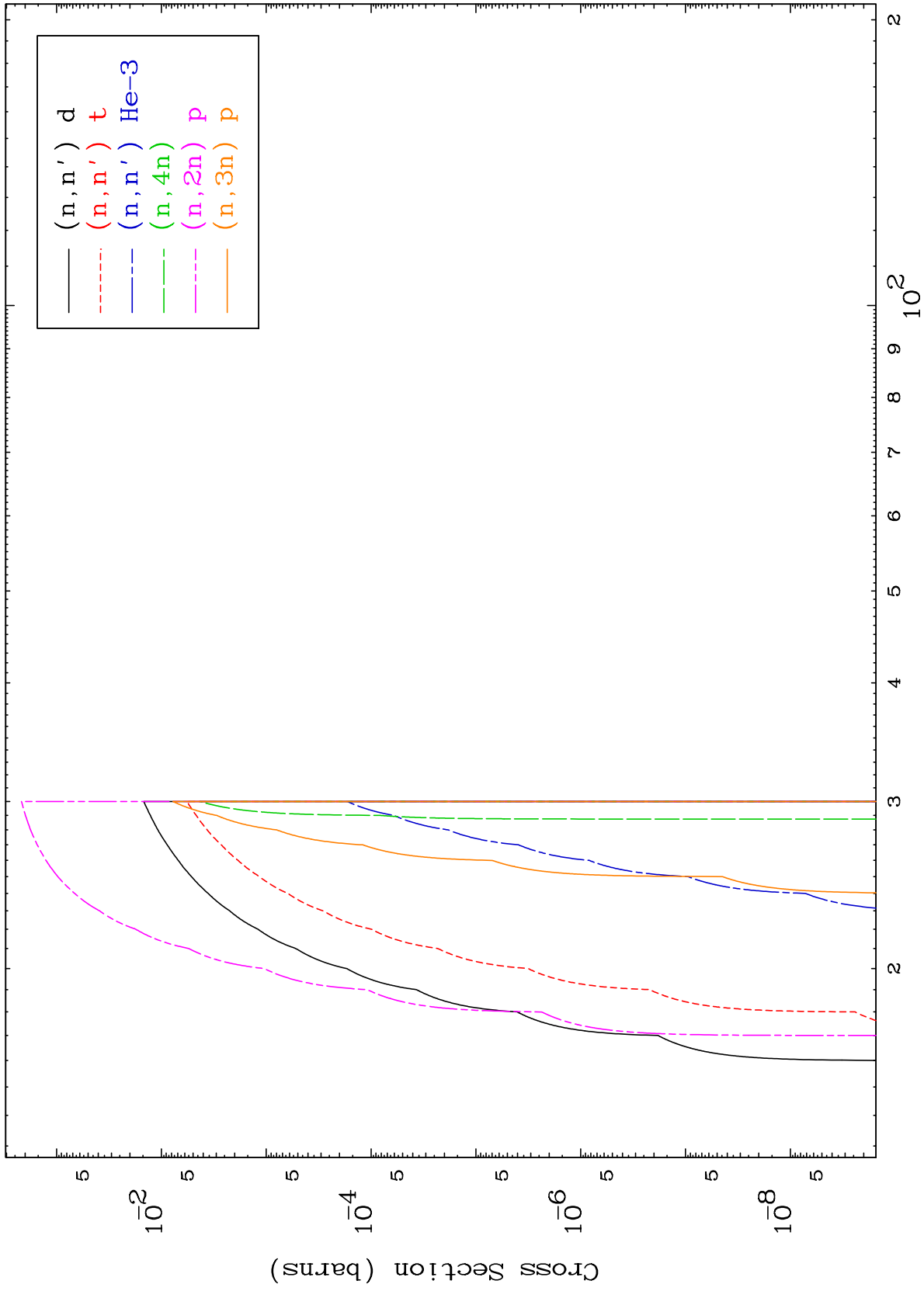
MAT 4919

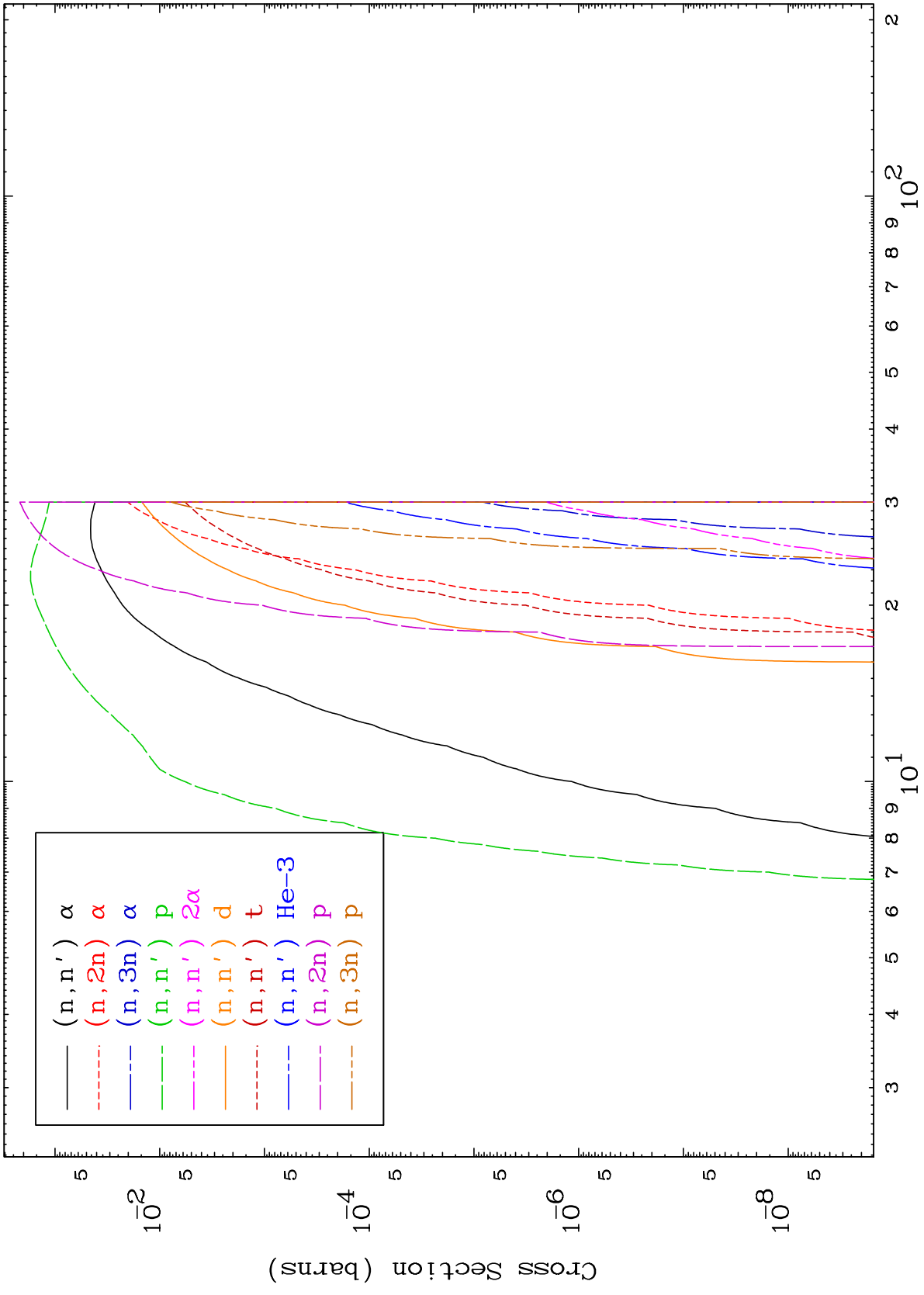
Major  
293 Kelvin Cross Sections

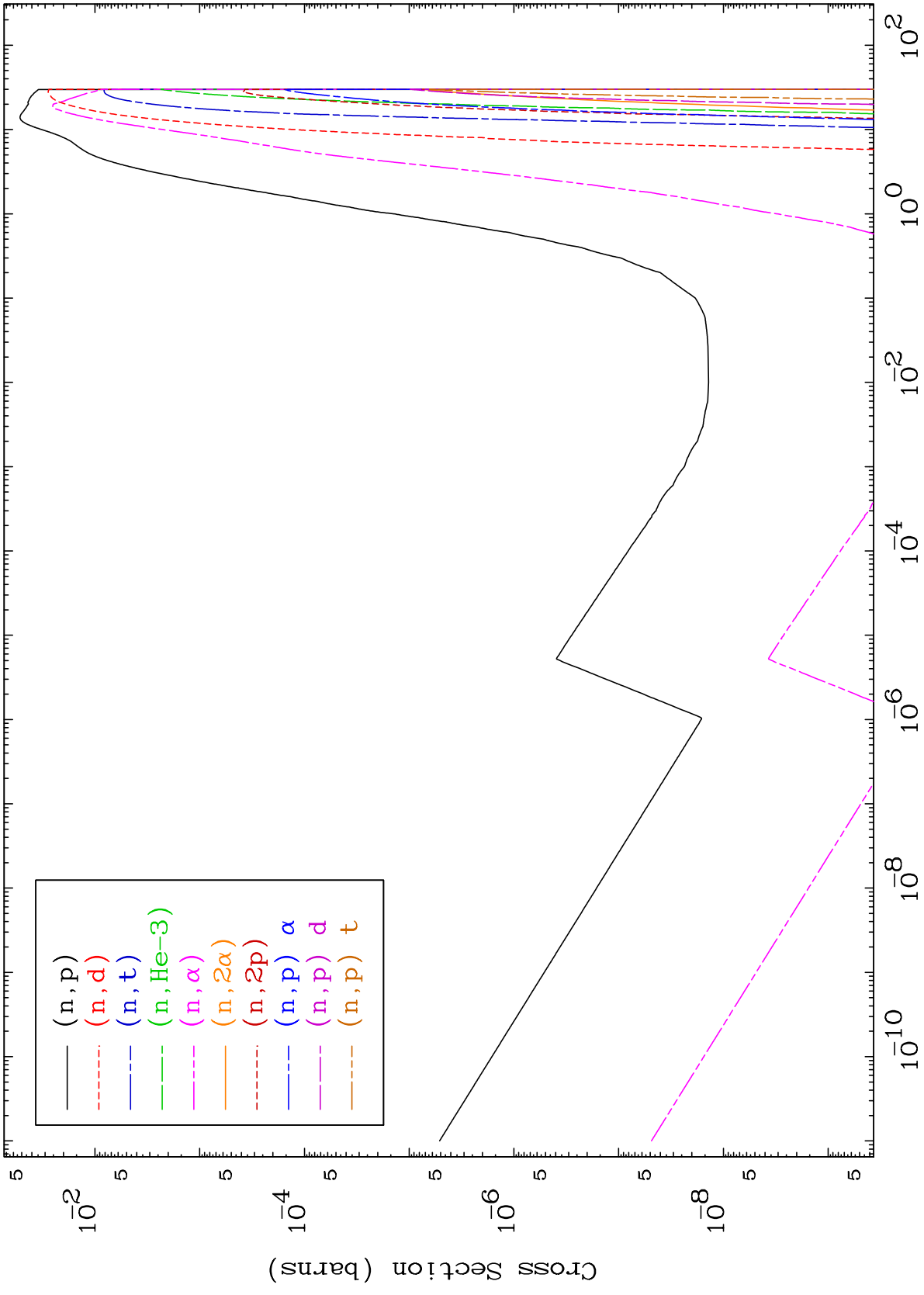
49-In-111

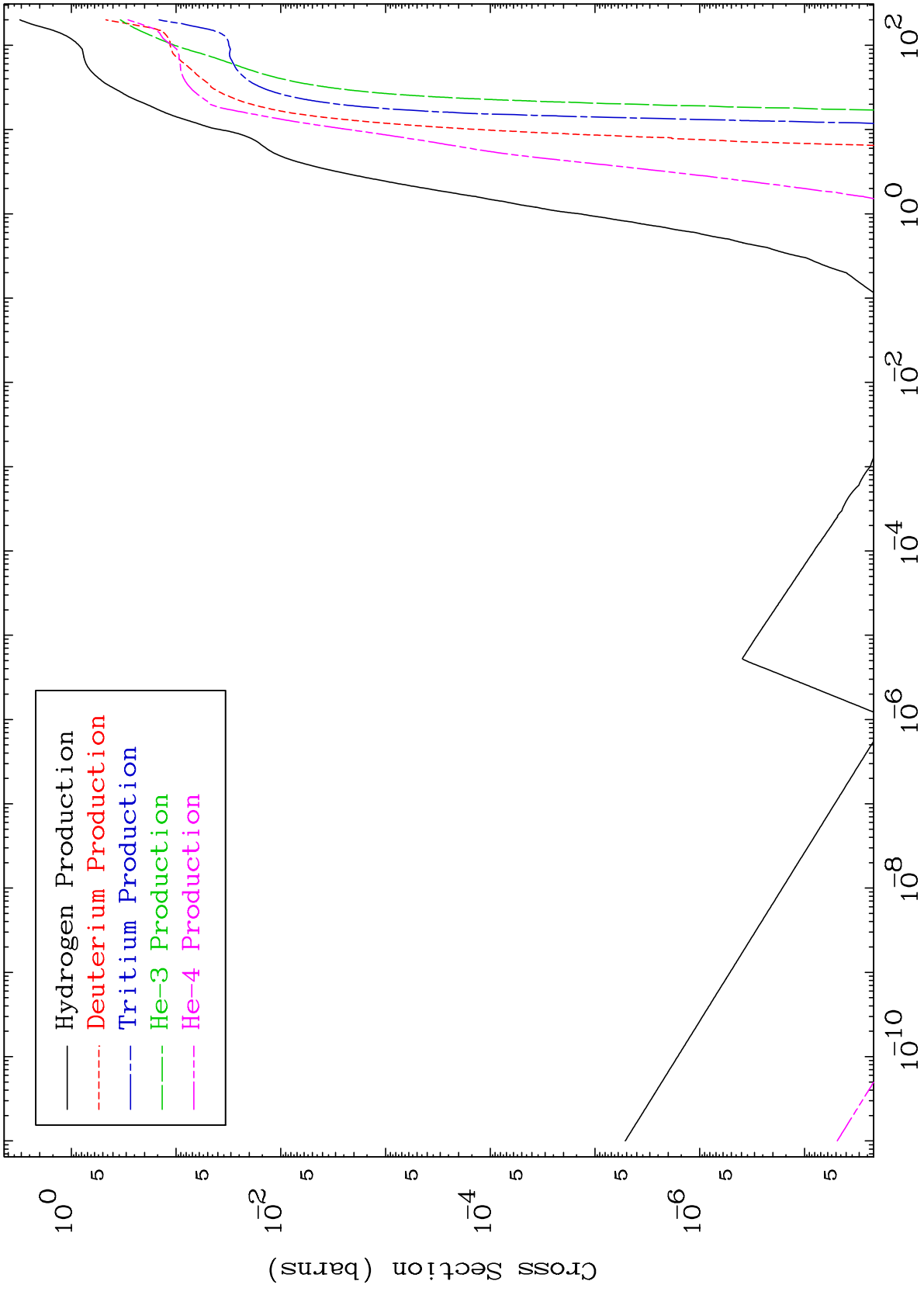










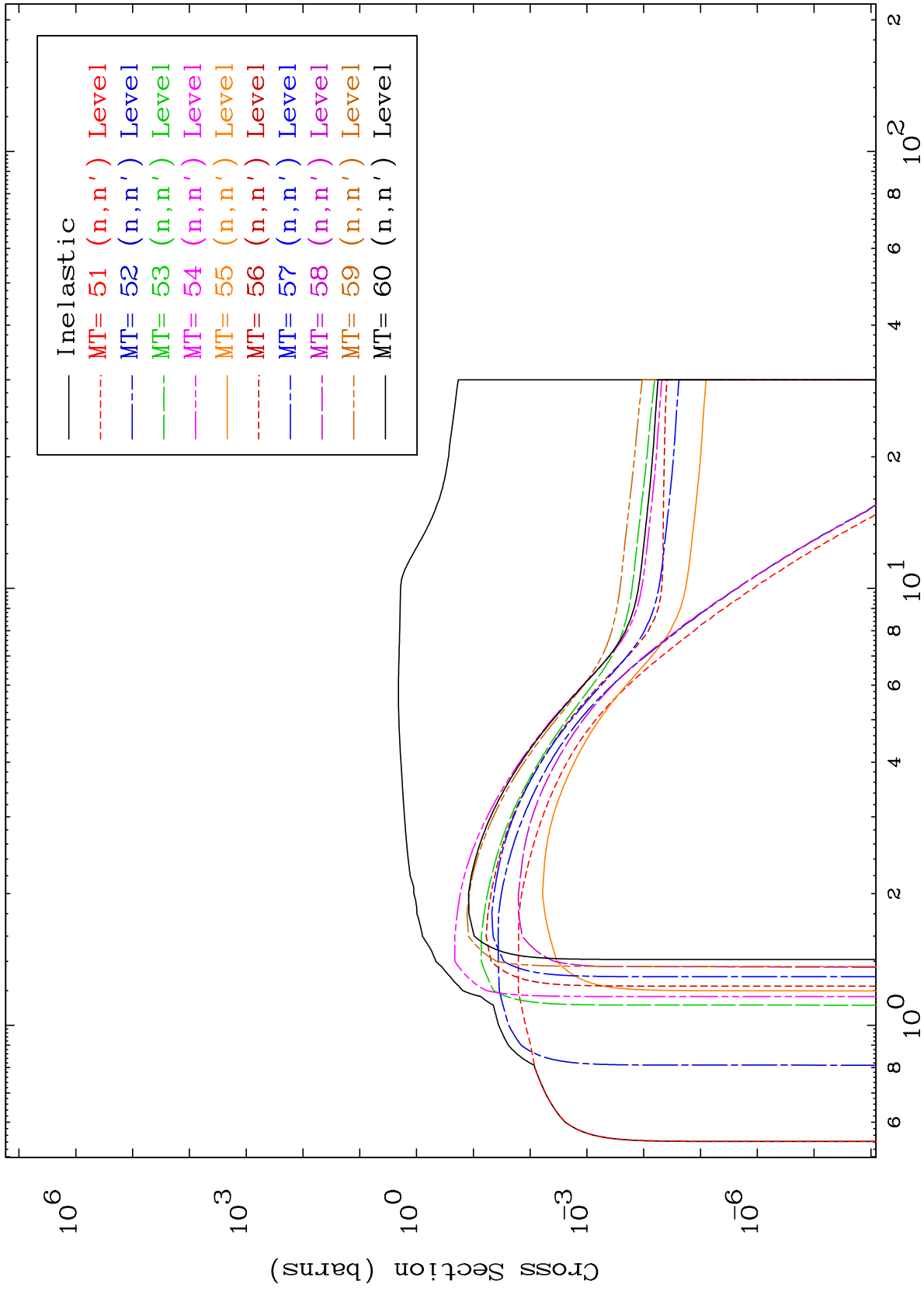


MAT 4919

(n,n') Level

49-In-111

293 Kelvin Cross Sections



7

Incident Energy (MeV)

49-In-111

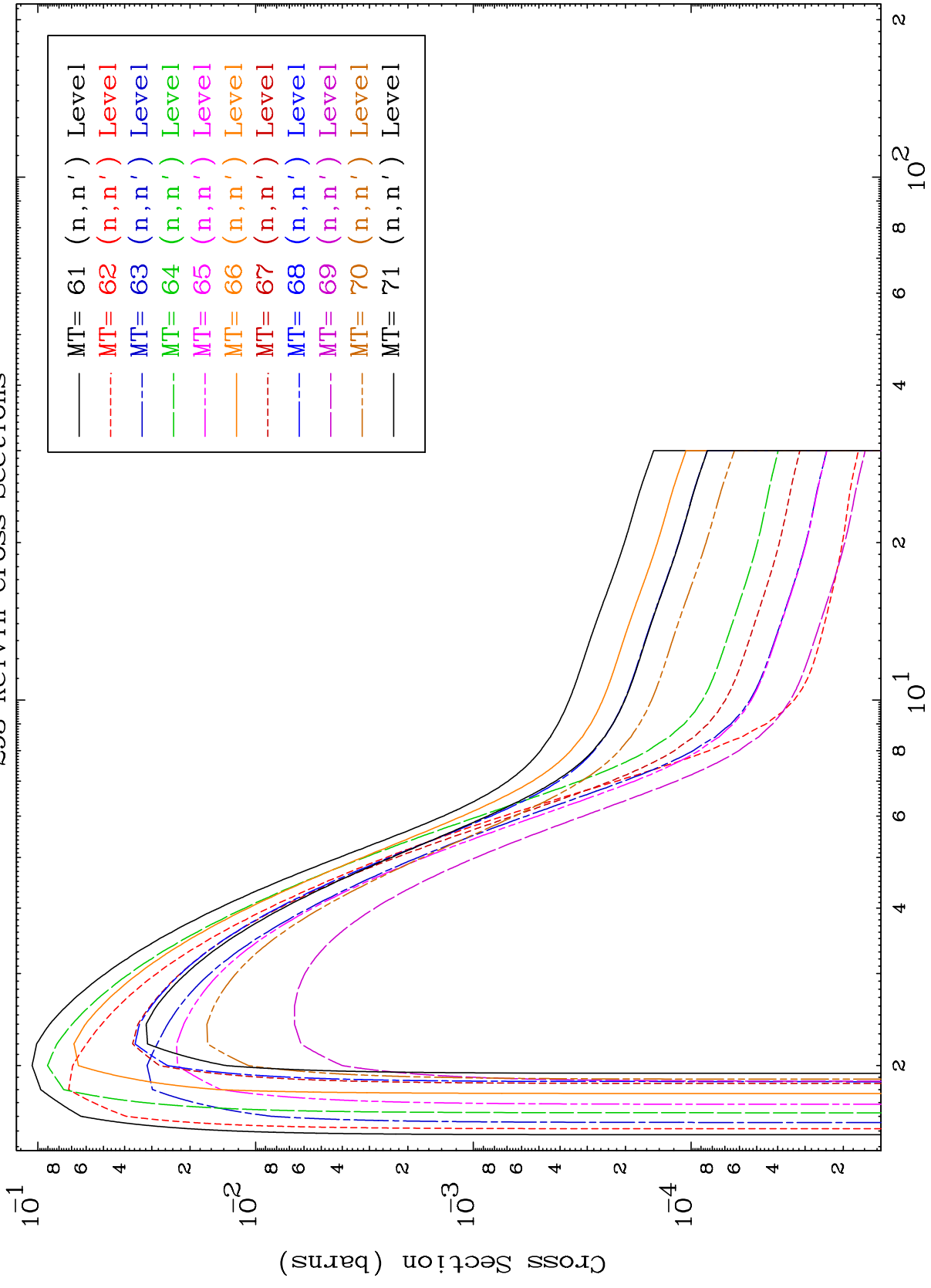


MAT 4919

(n,n') Level

49-In-111

293 Kelvin Cross Sections



8

Incident Energy (MeV)

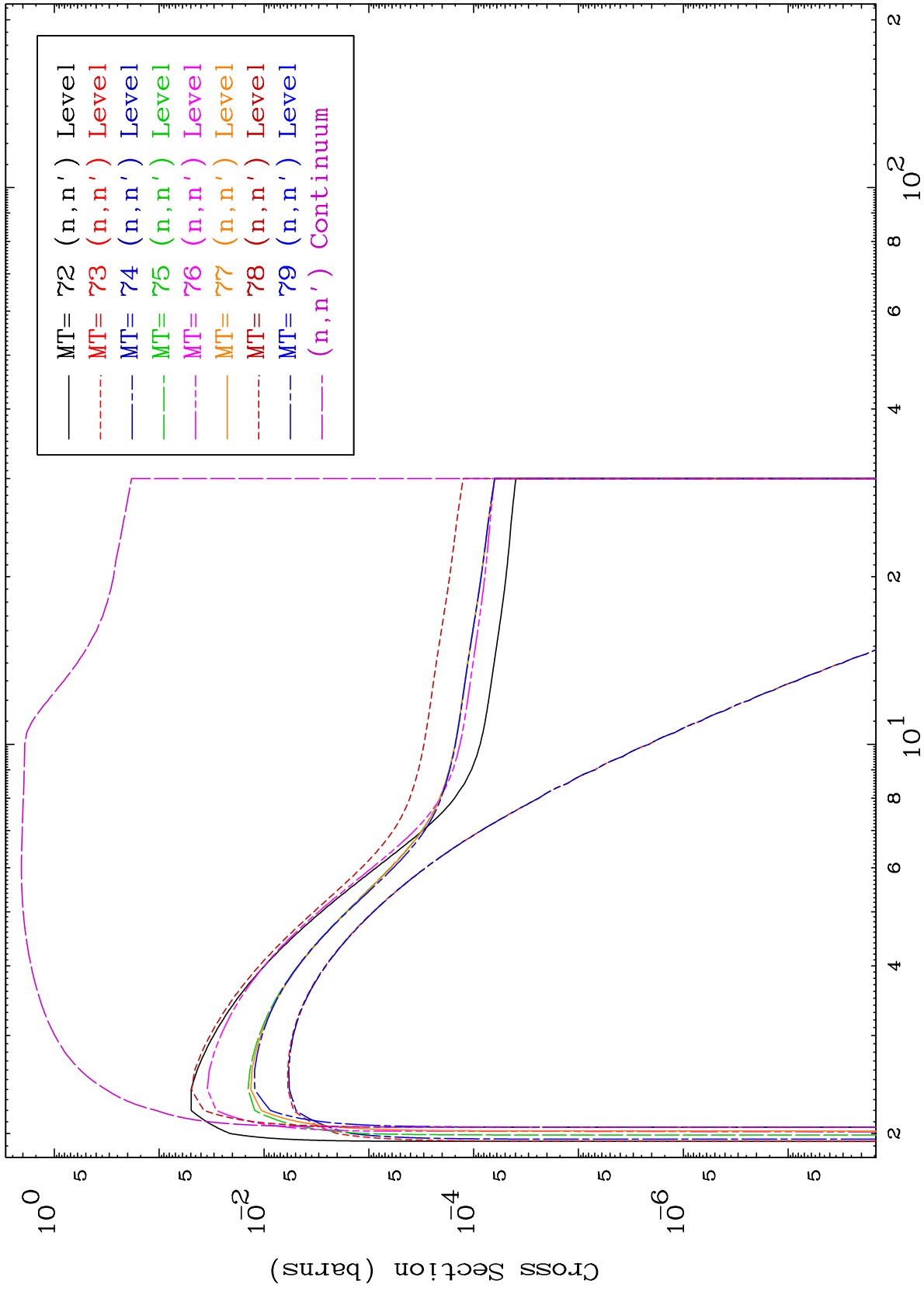
49-In-111

MAT 4919

(n,n') Level

49-In-111

293 Kelvin Cross Sections



9

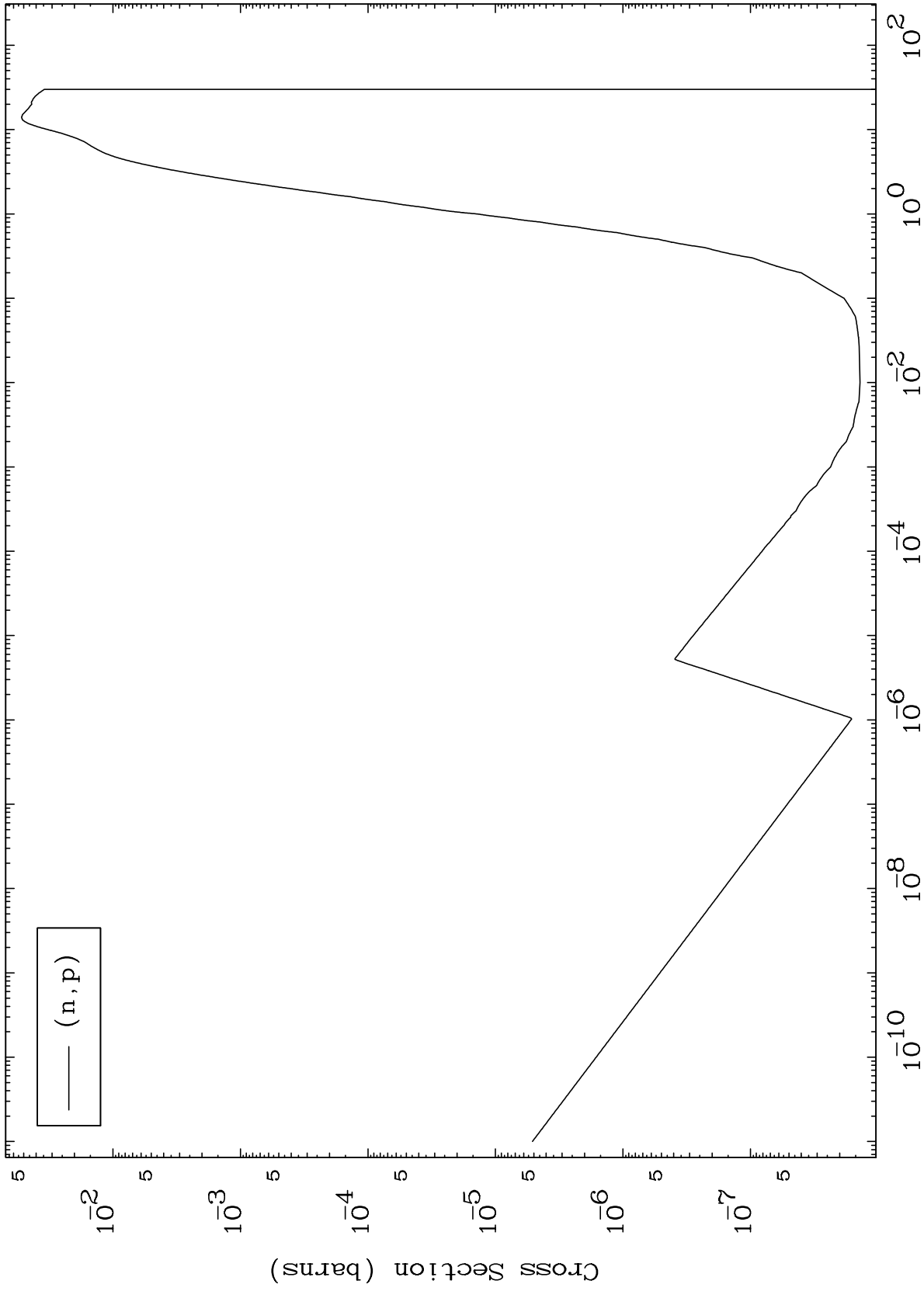
Incident Energy (MeV)

49-In-111

MAT 4919

(n,p) Levels  
293 Kelvin Cross Sections

49-In-111



10

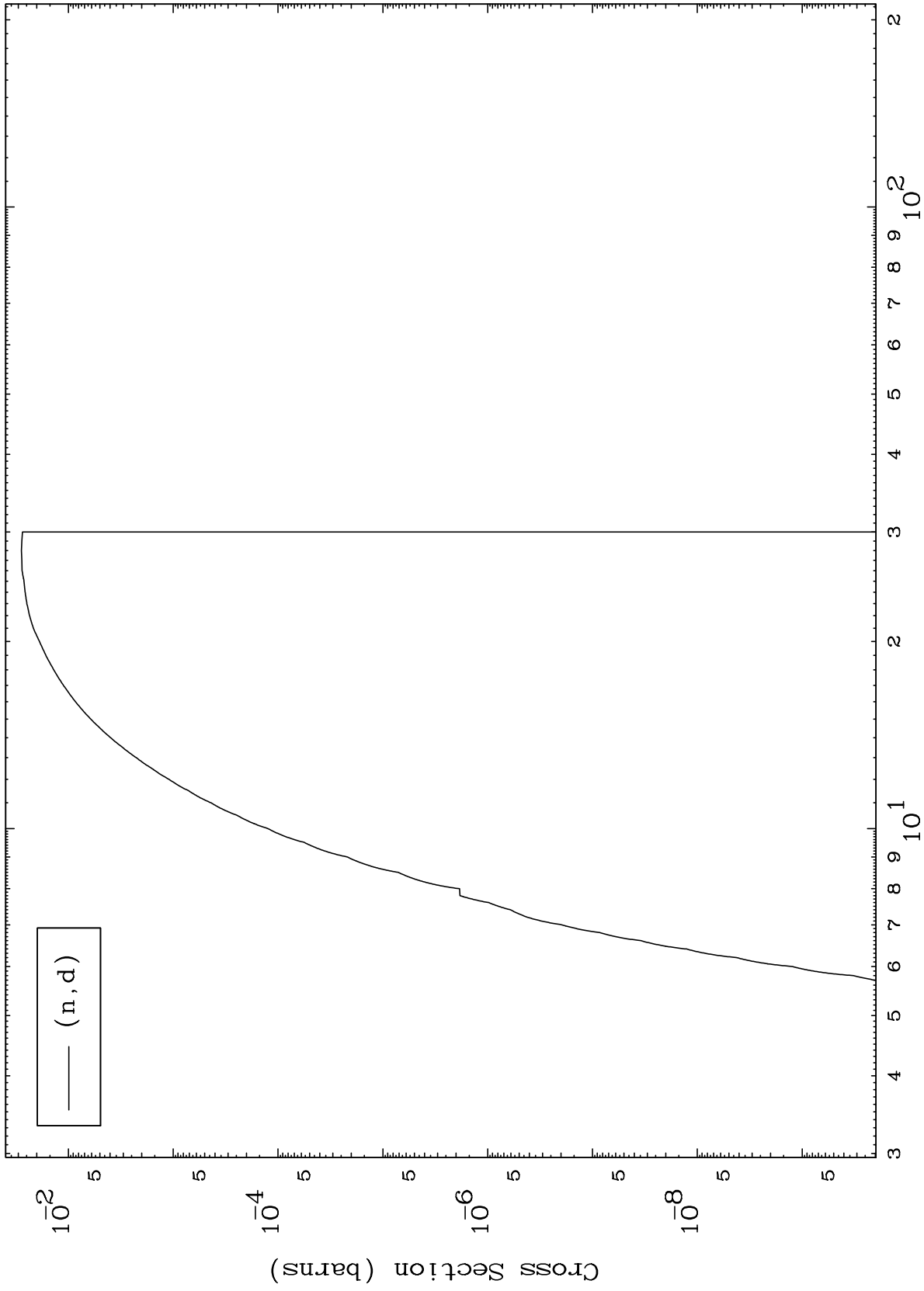
Incident Energy (MeV)

49-In-111

MAT 4919

(n,d) Levels  
293 Kelvin Cross Sections

49-In-111



11

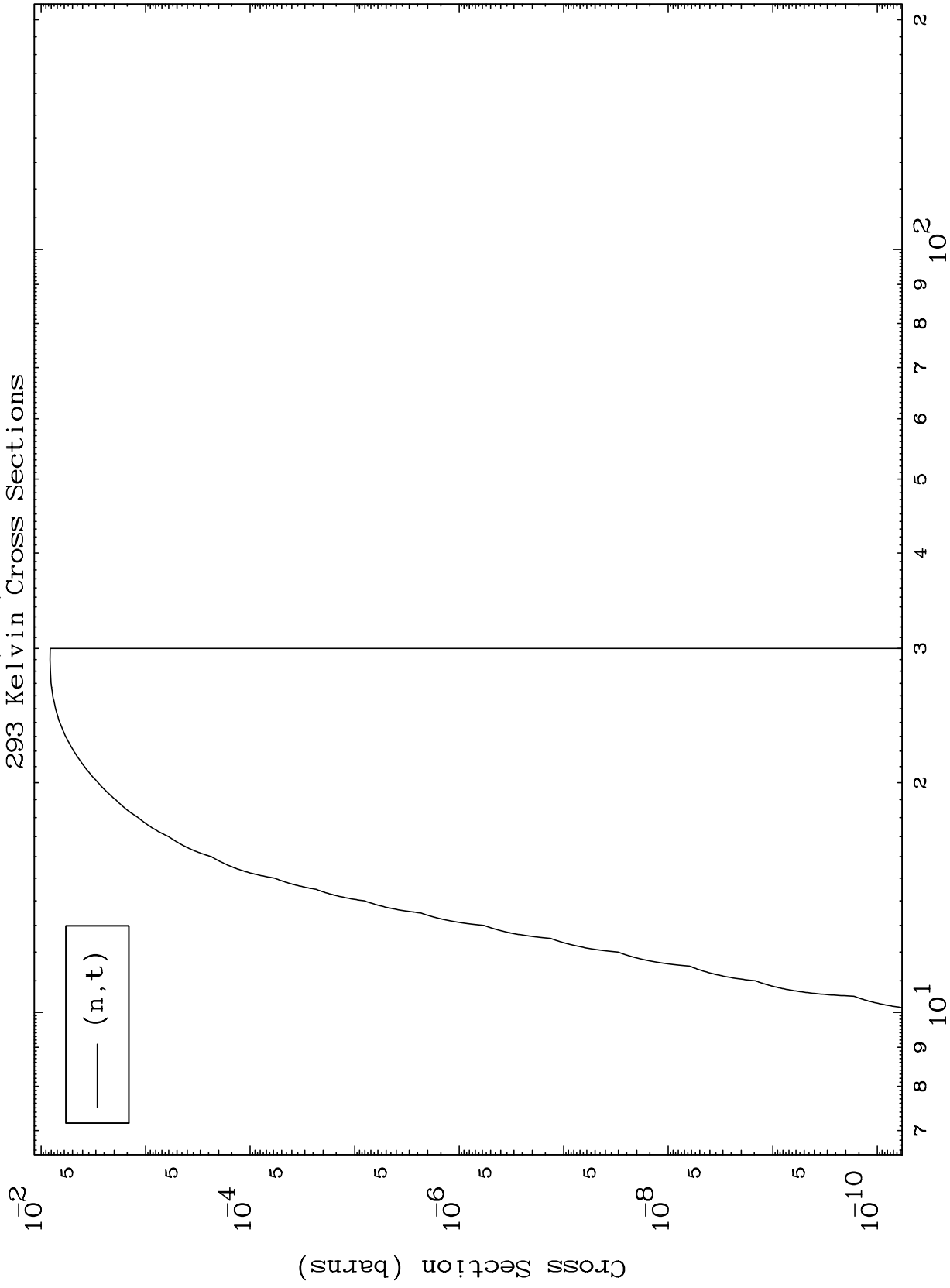
Incident Energy (MeV)

49-In-111

MAT 4919

(n,t) Levels  
293 Kelvin Cross Sections

49-In-111



12

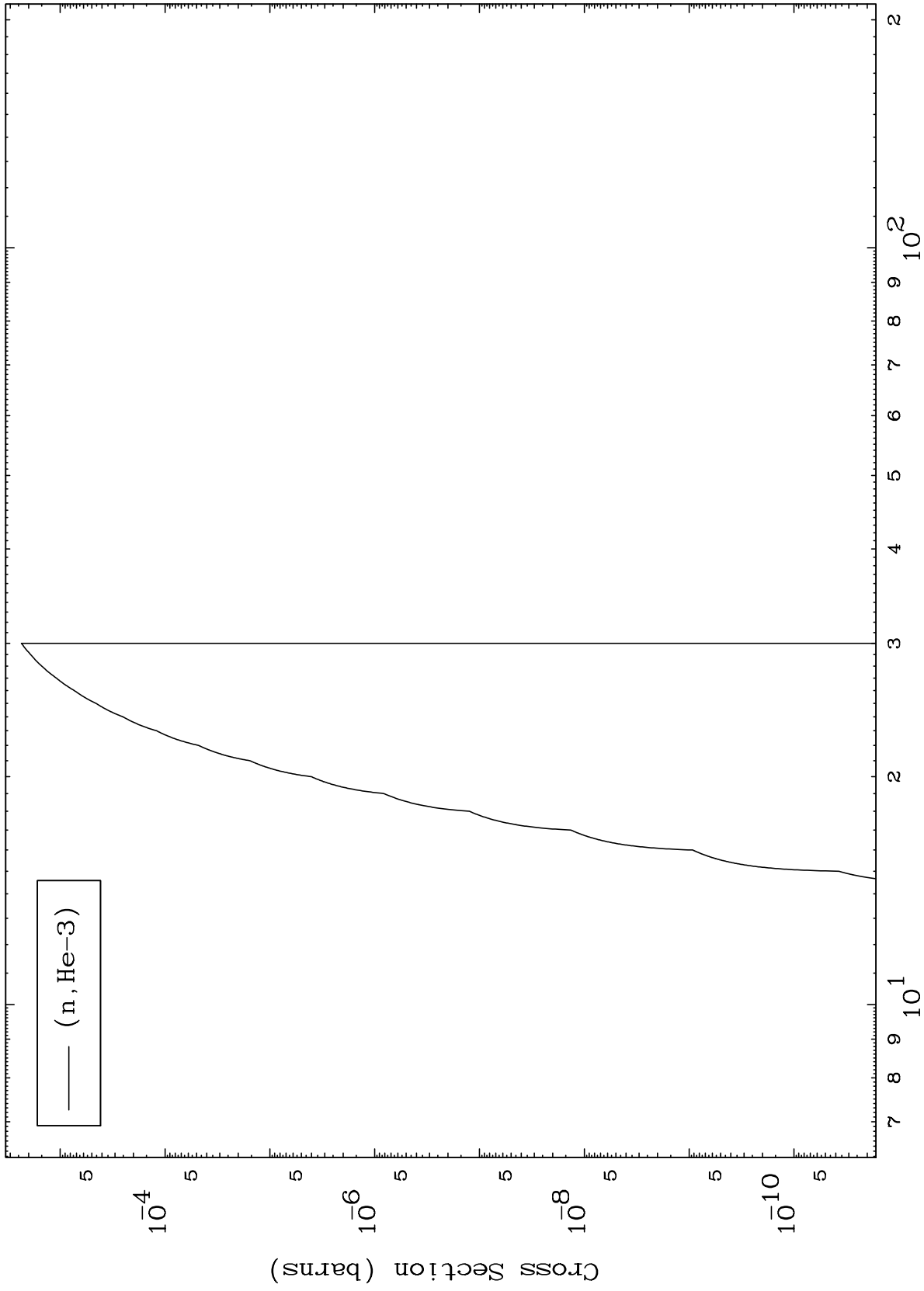
Incident Energy (MeV)

49-In-111

MAT 4919

(n,He3) Levels  
293 Kelvin Cross Sections

49-In-111



13

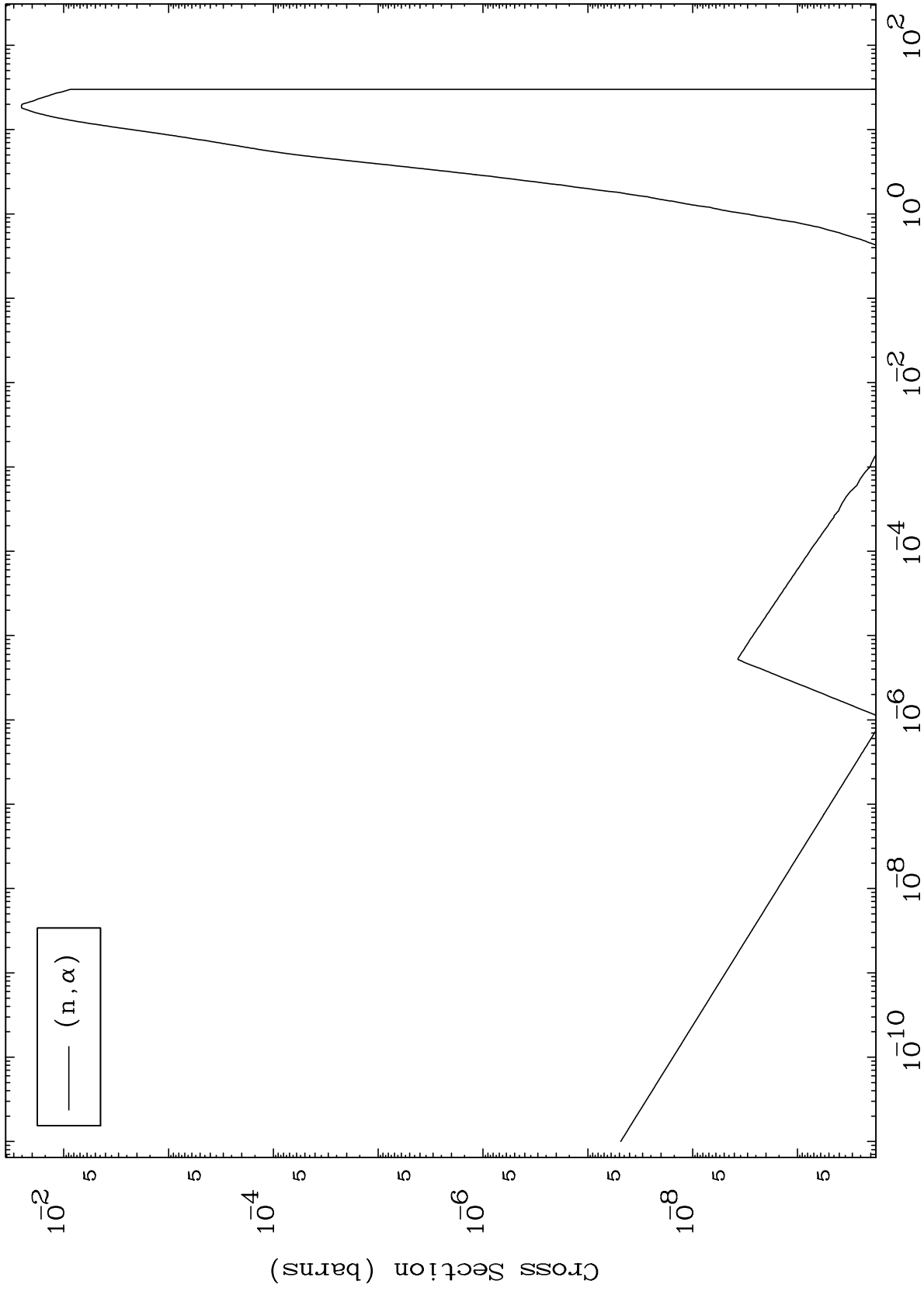
Incident Energy (MeV)

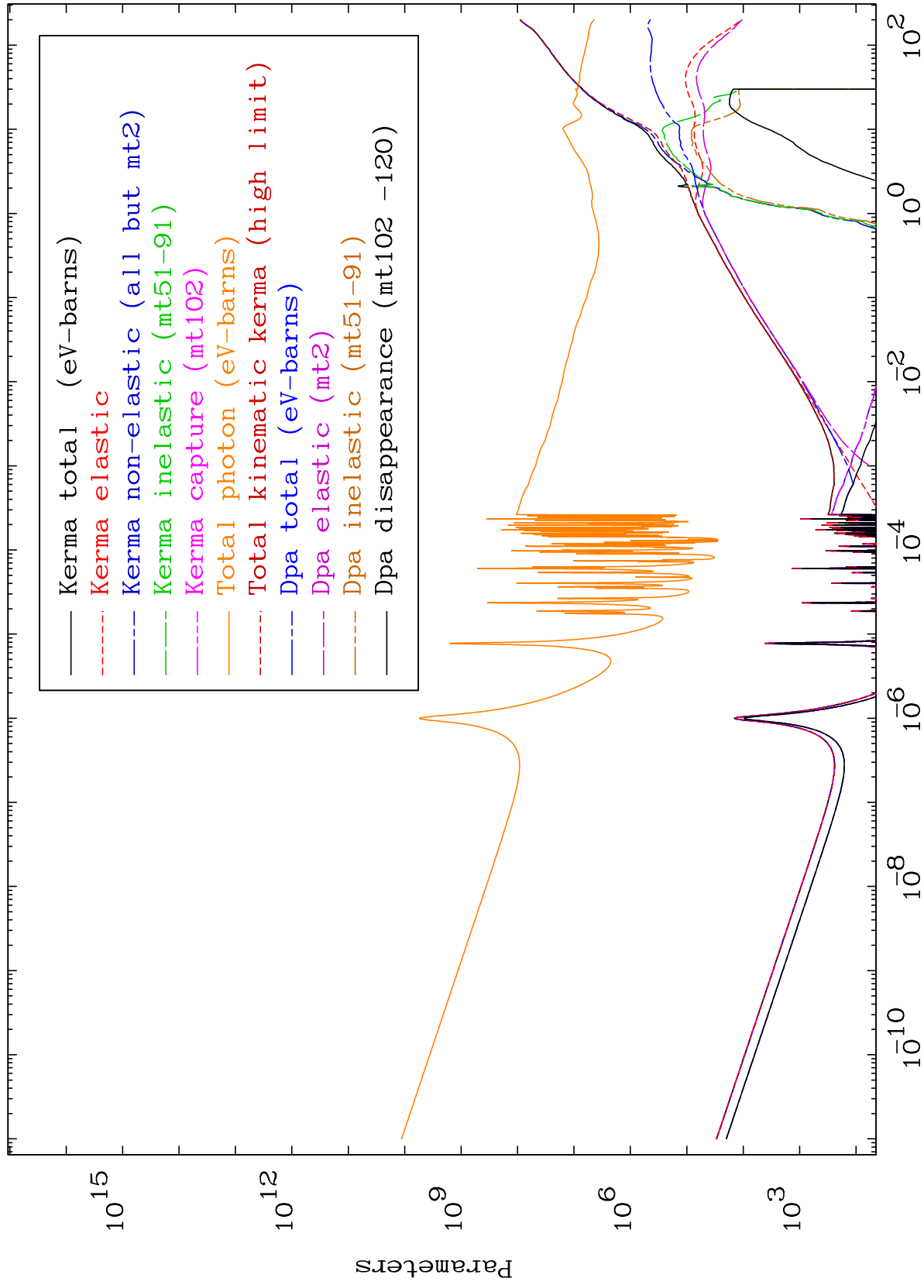
49-In-111

MAT 4919

(n,α) Levels  
293 Kelvin Cross Sections

49-In-111



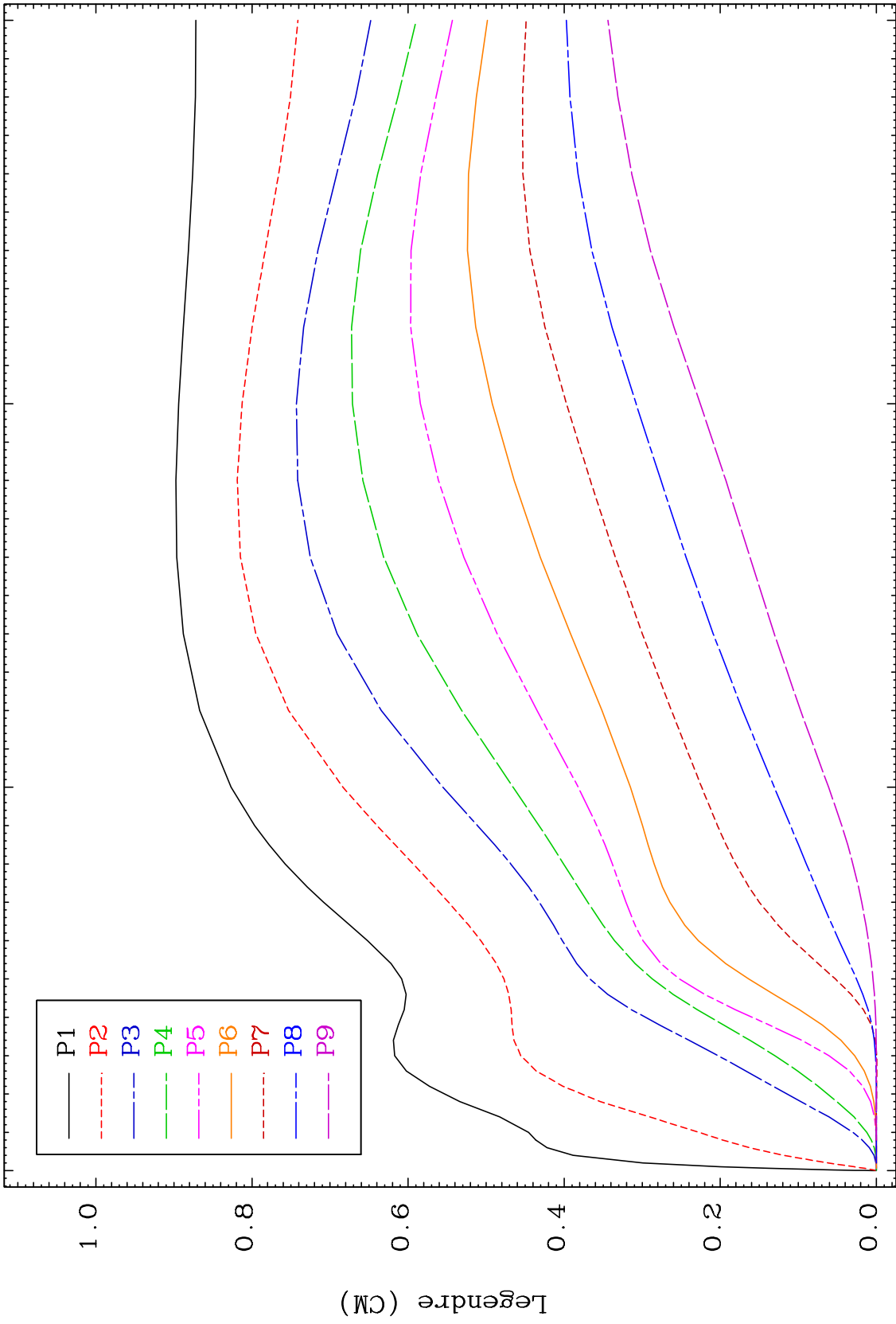




MAT 4919

Elastic Legendre Coefficients

49-In-111



16

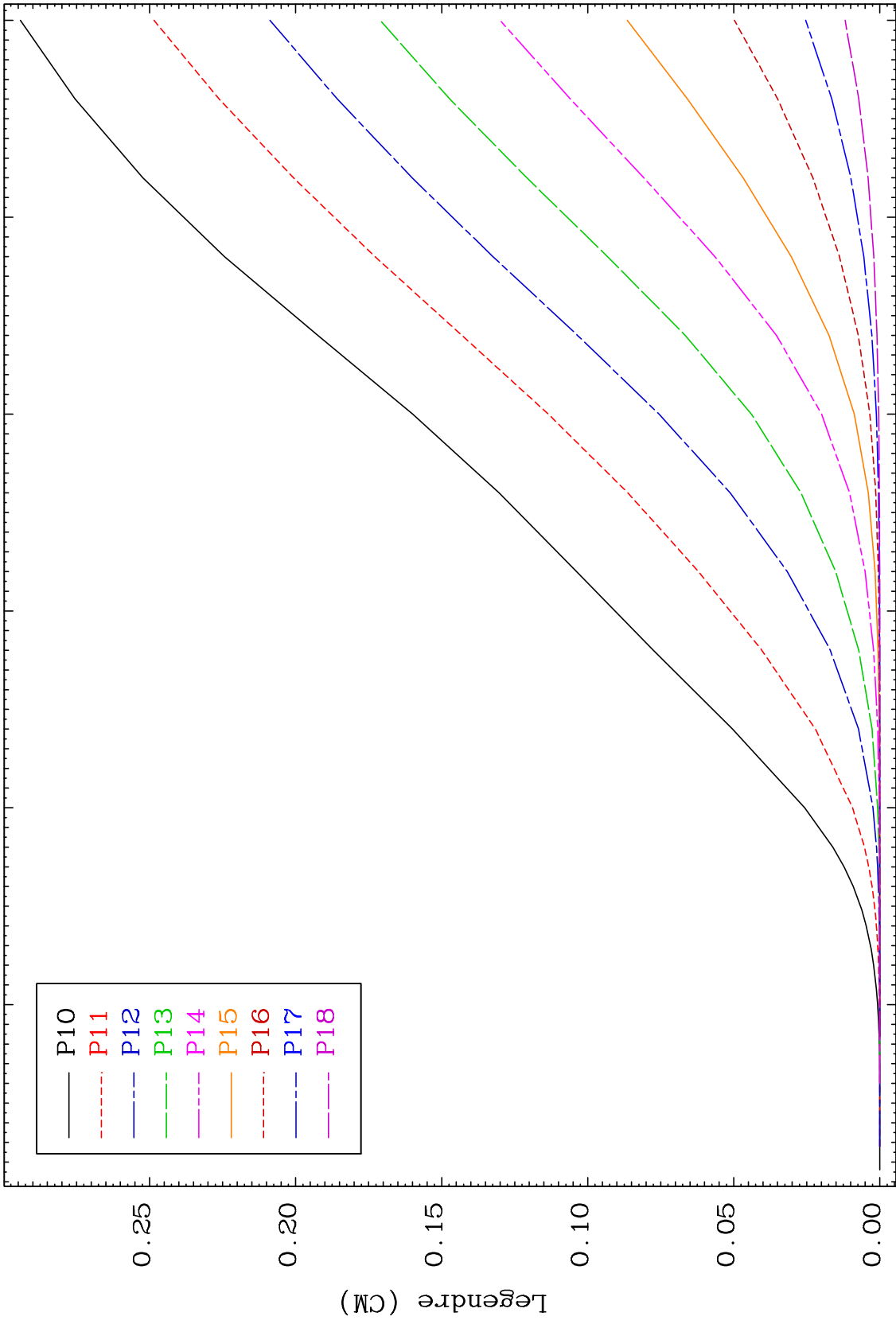
Incident Energy (MeV)

49-In-111

MAT 4919

Elastic Legendre Coefficients

49-In-111



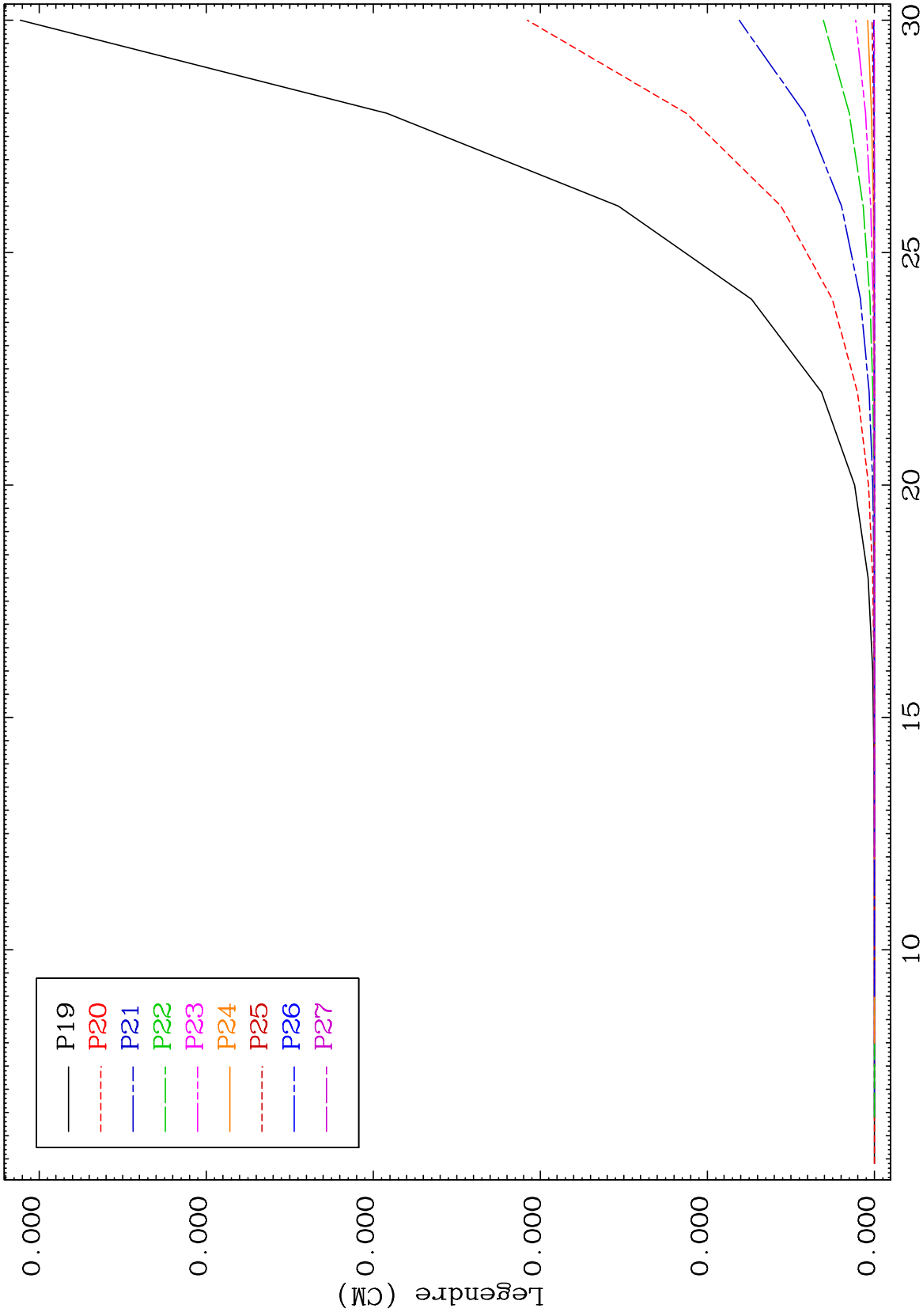
17

49-In-111

MAT 4919

### Elastic Legendre Coefficients

49-In-111



18

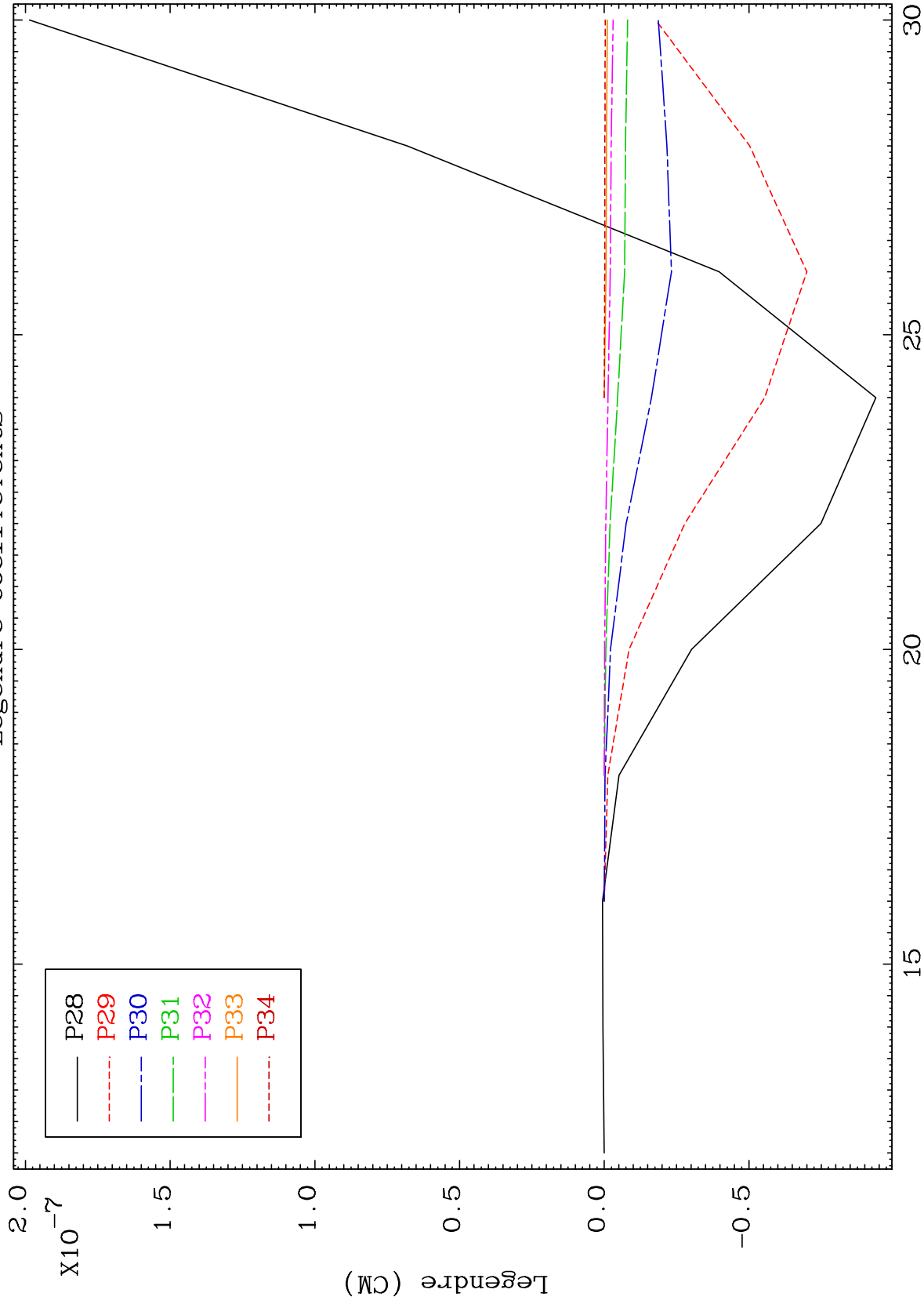
Incident Energy (MeV)

49-In-111

MAT 4919

Elastic Legendre Coefficients

49-In-111



19

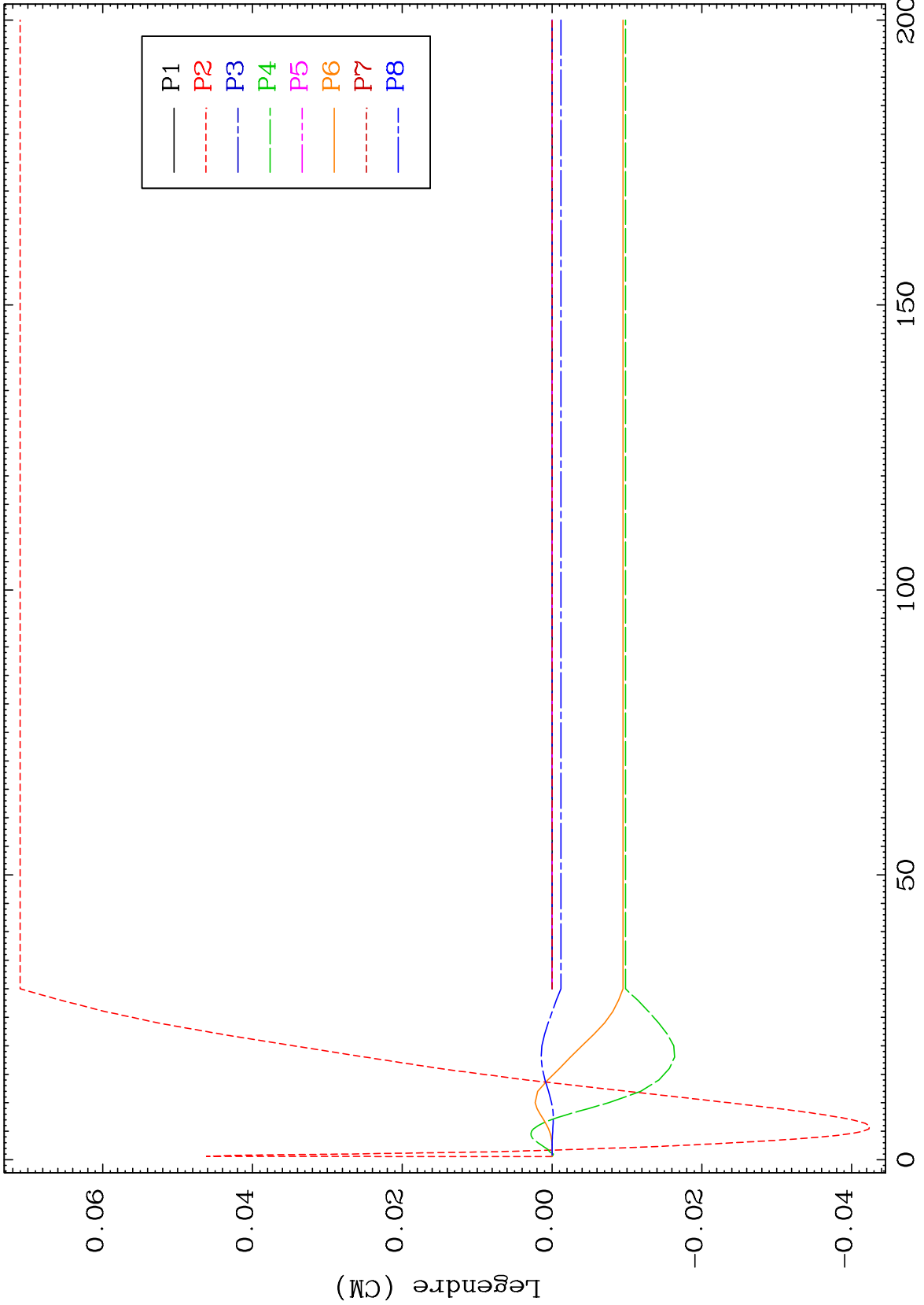
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



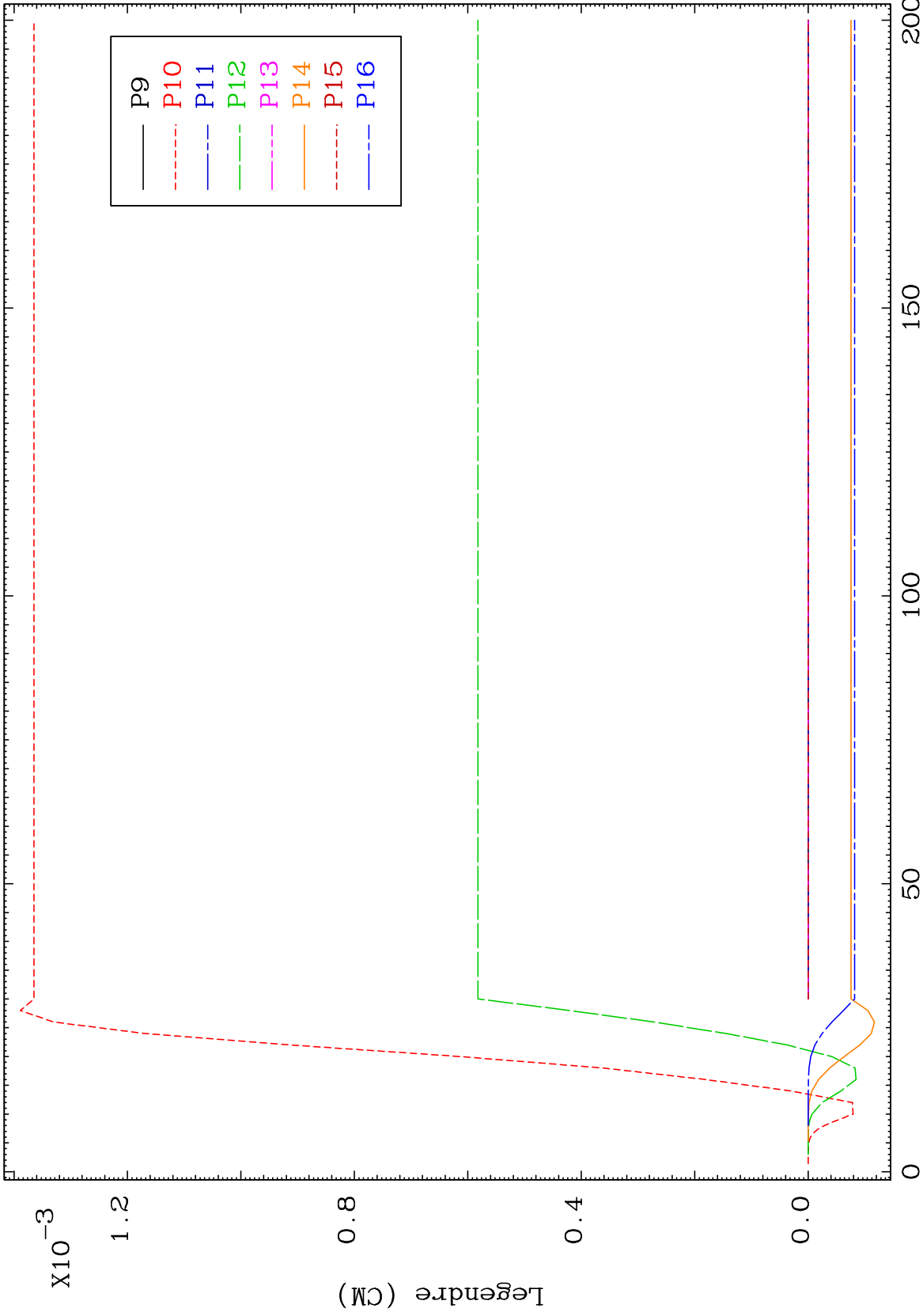
49-In-111

Incident Energy (MeV)

MAT 4919

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

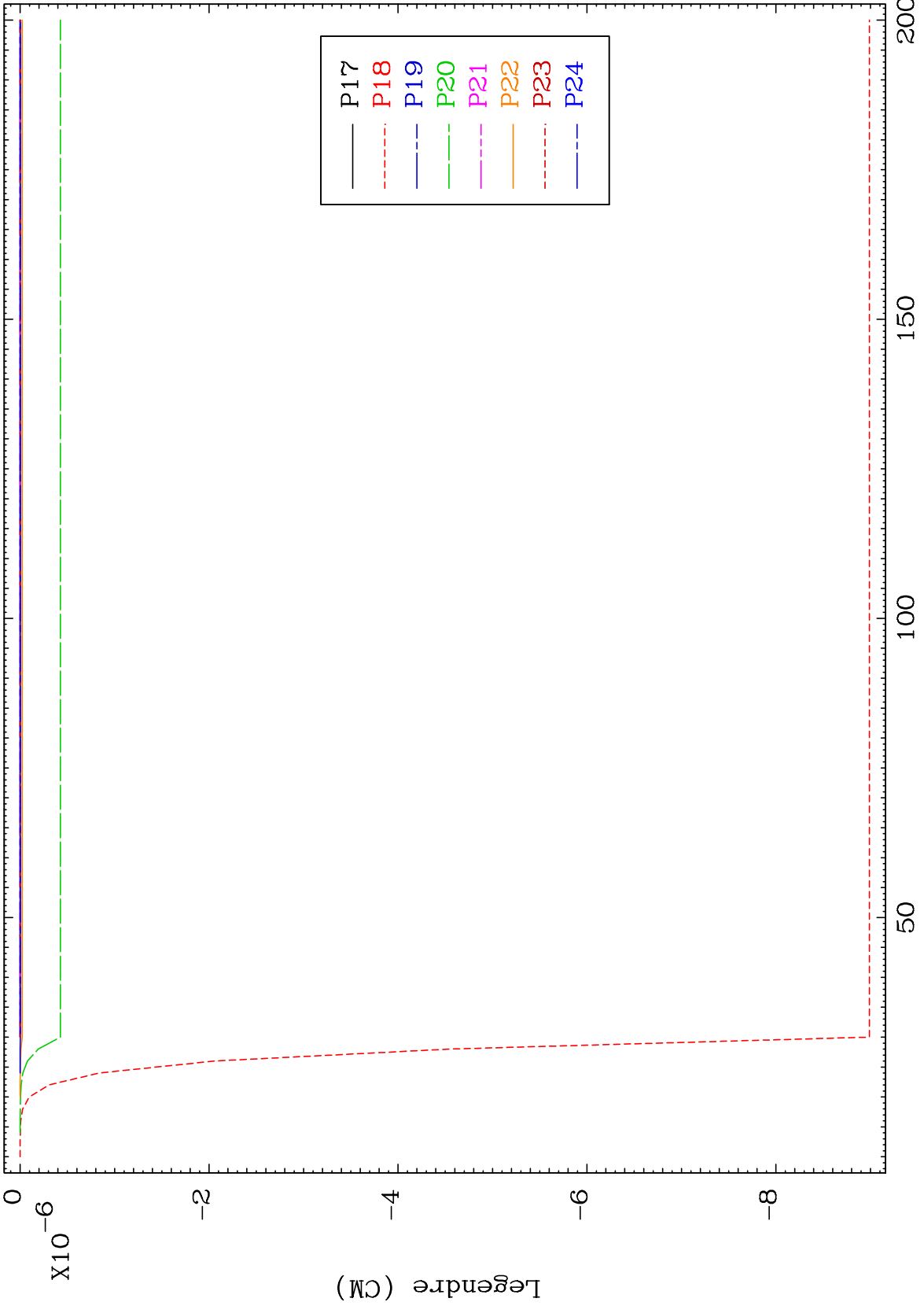
49-In-111



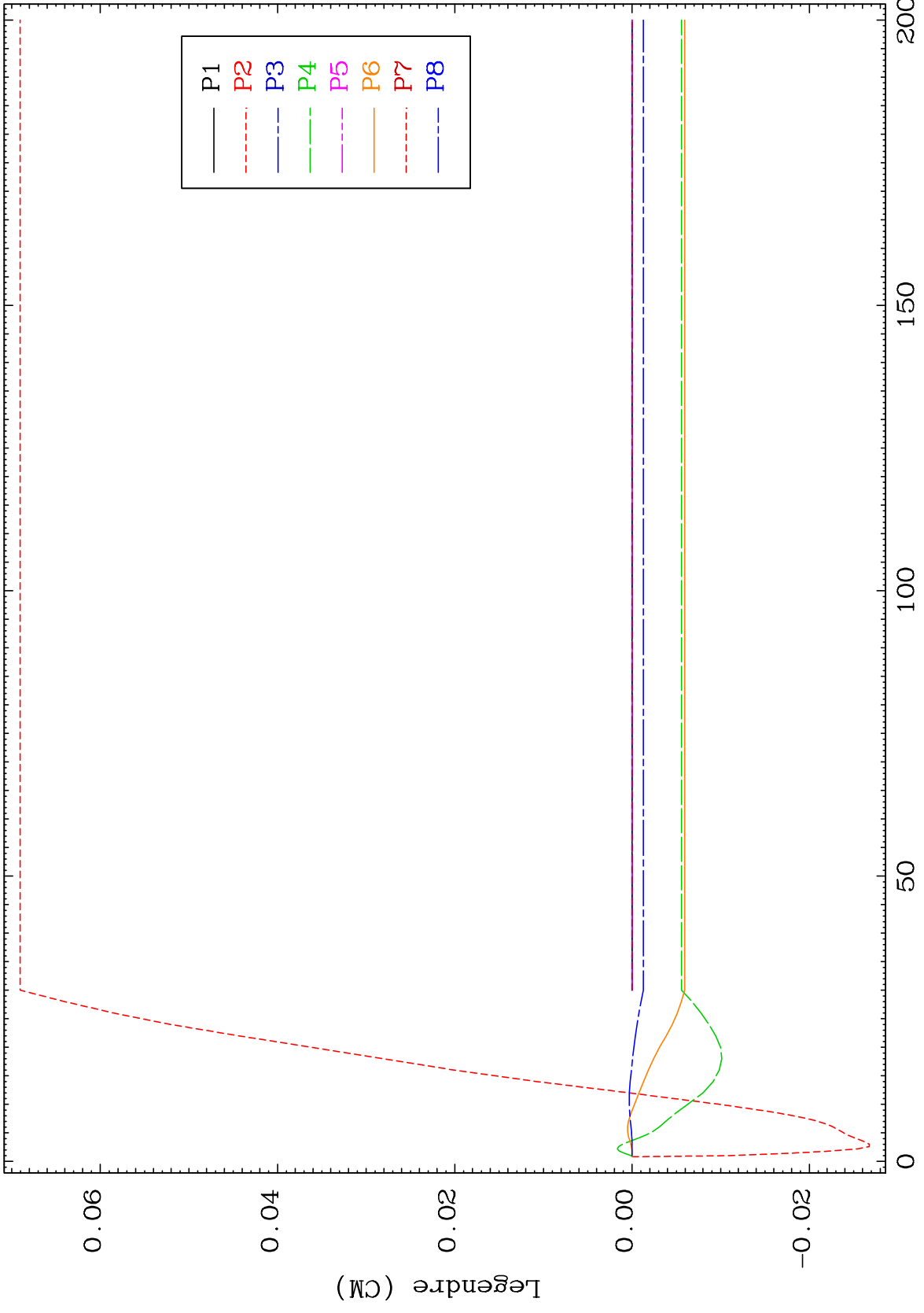
21

49-In-111

MAT 4919 MT= 51 (n,n') Level Legendre Coefficients 49-In-111



MAT 4919 MT= 52 (n,n') Level Legendre Coefficients 49-In-111



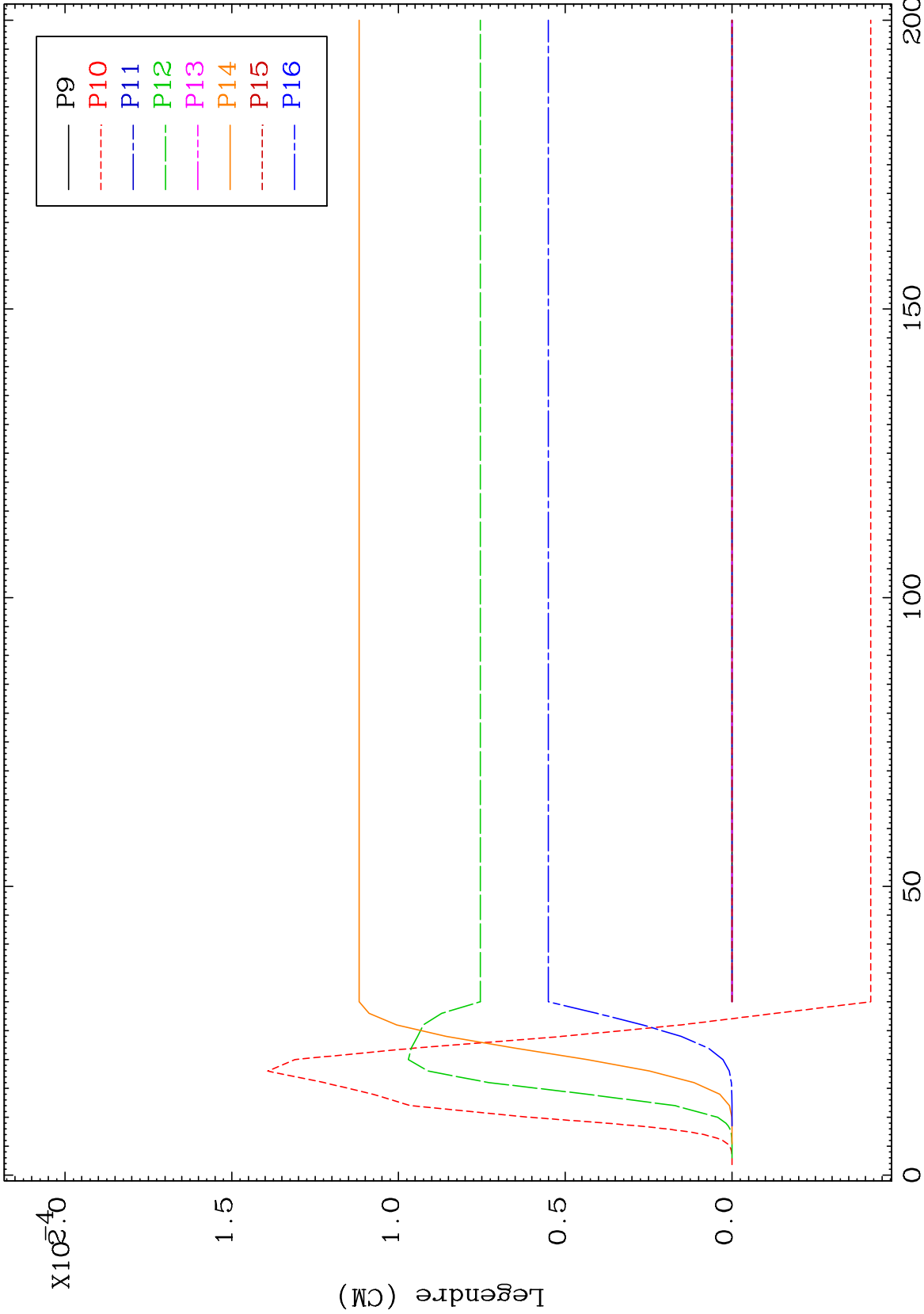
23 49-In-111



MAT 4919

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

49-In-111

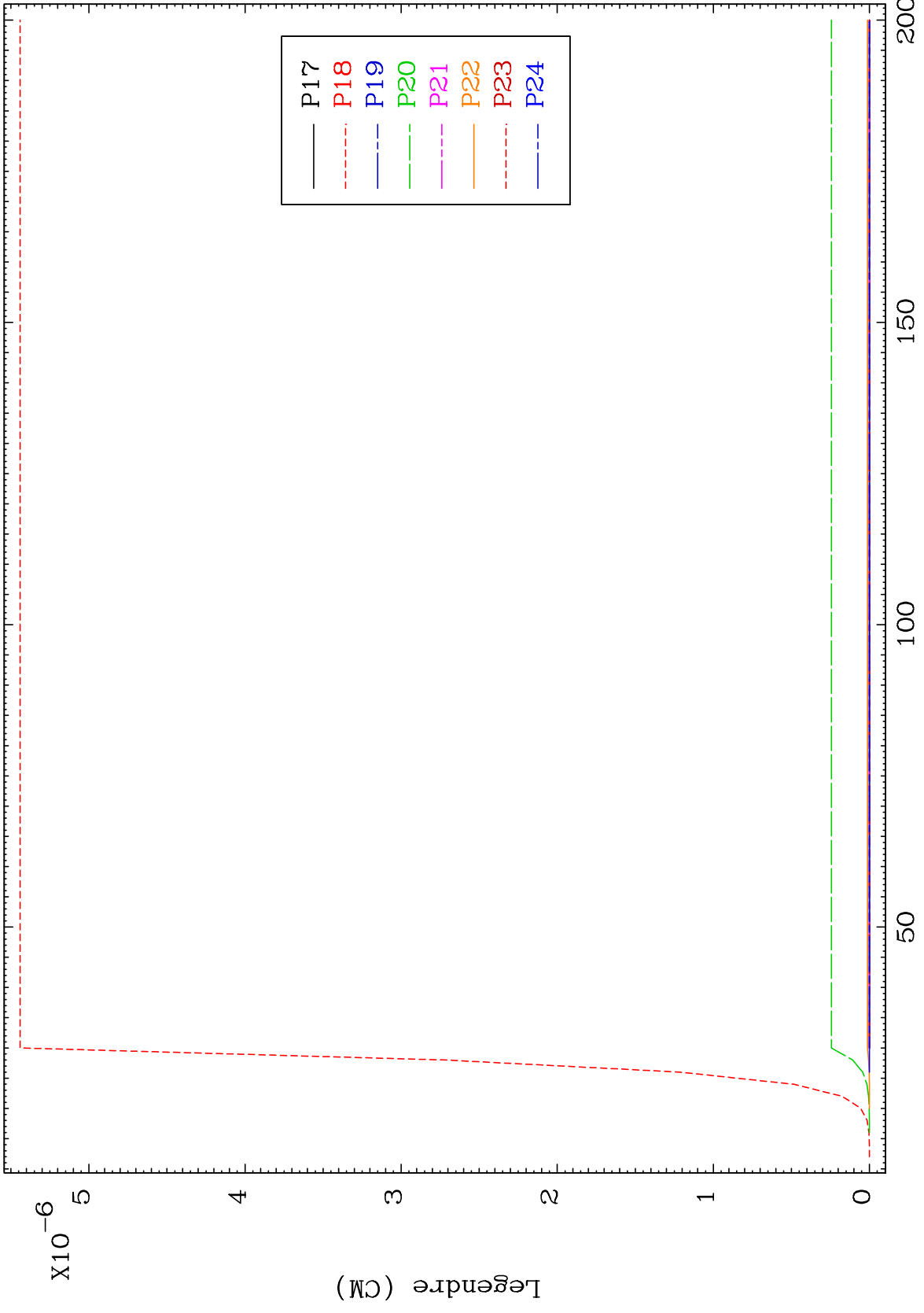


24

Incident Energy (MeV)

49-In-111

MAT 4919 MT= 52 (n,n') Level Legendre Coefficients 49-In-111

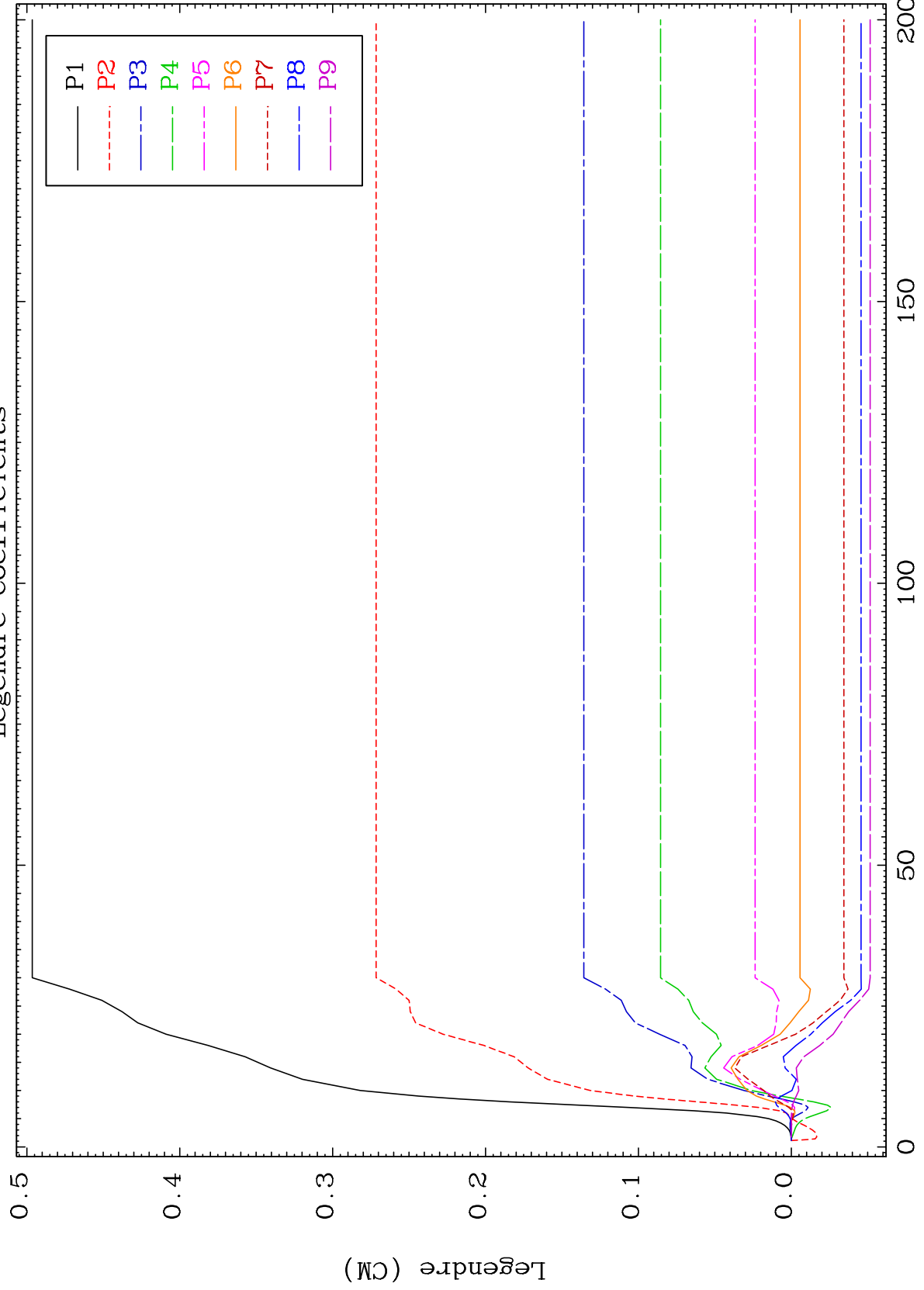


25 Incident Energy (MeV) 49-In-111

MAT 4919

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

49-In-111



26

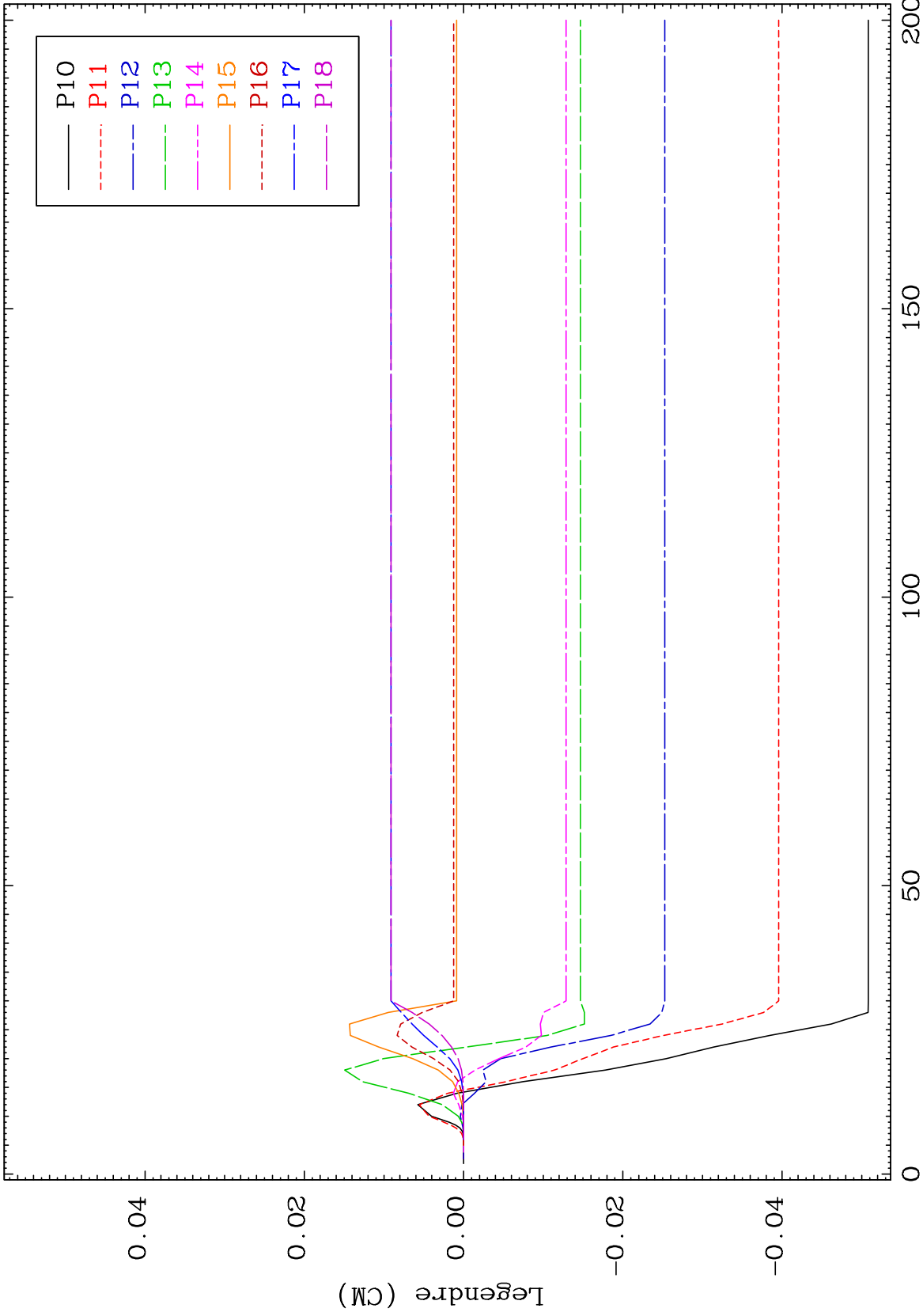
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



27

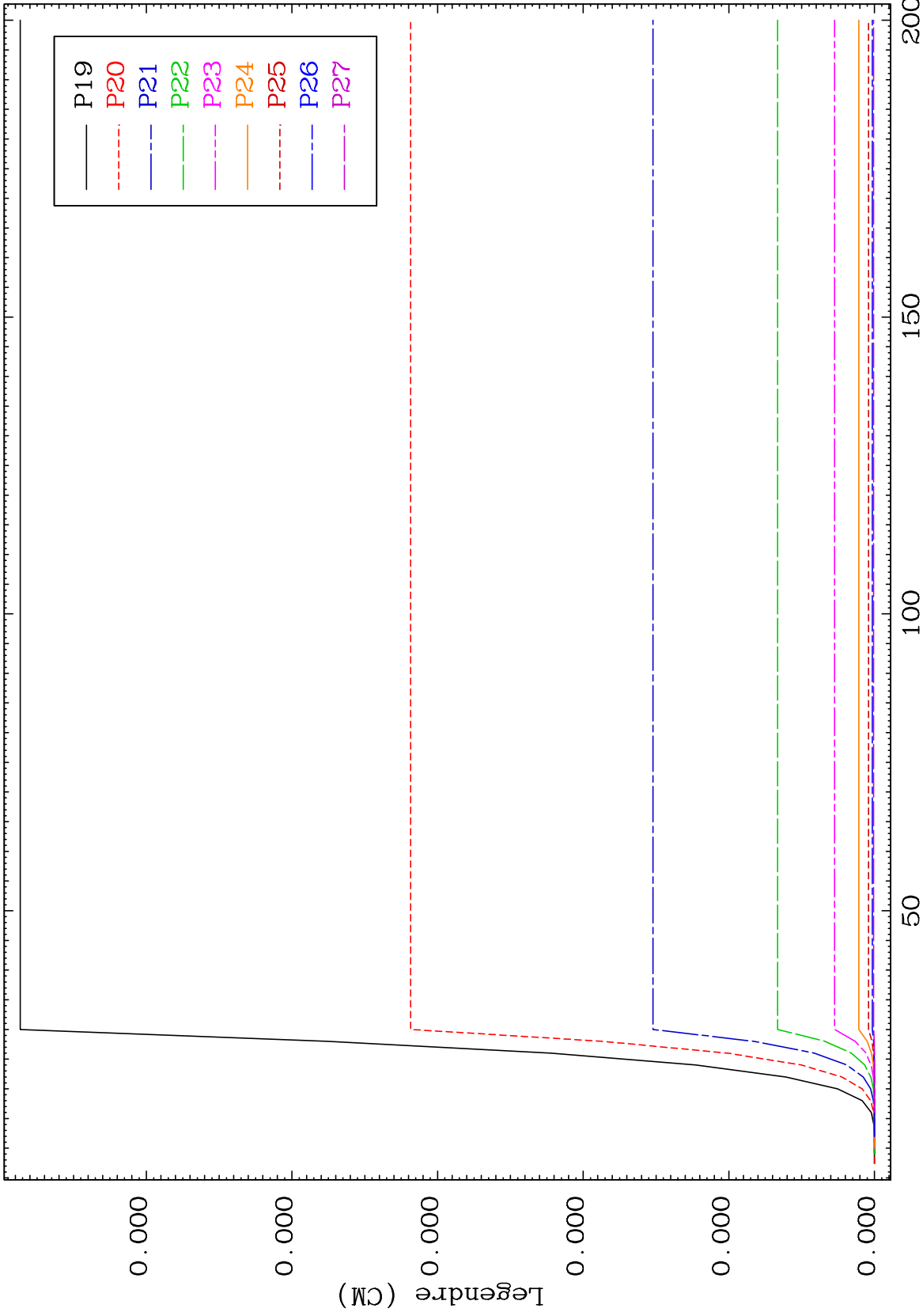
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



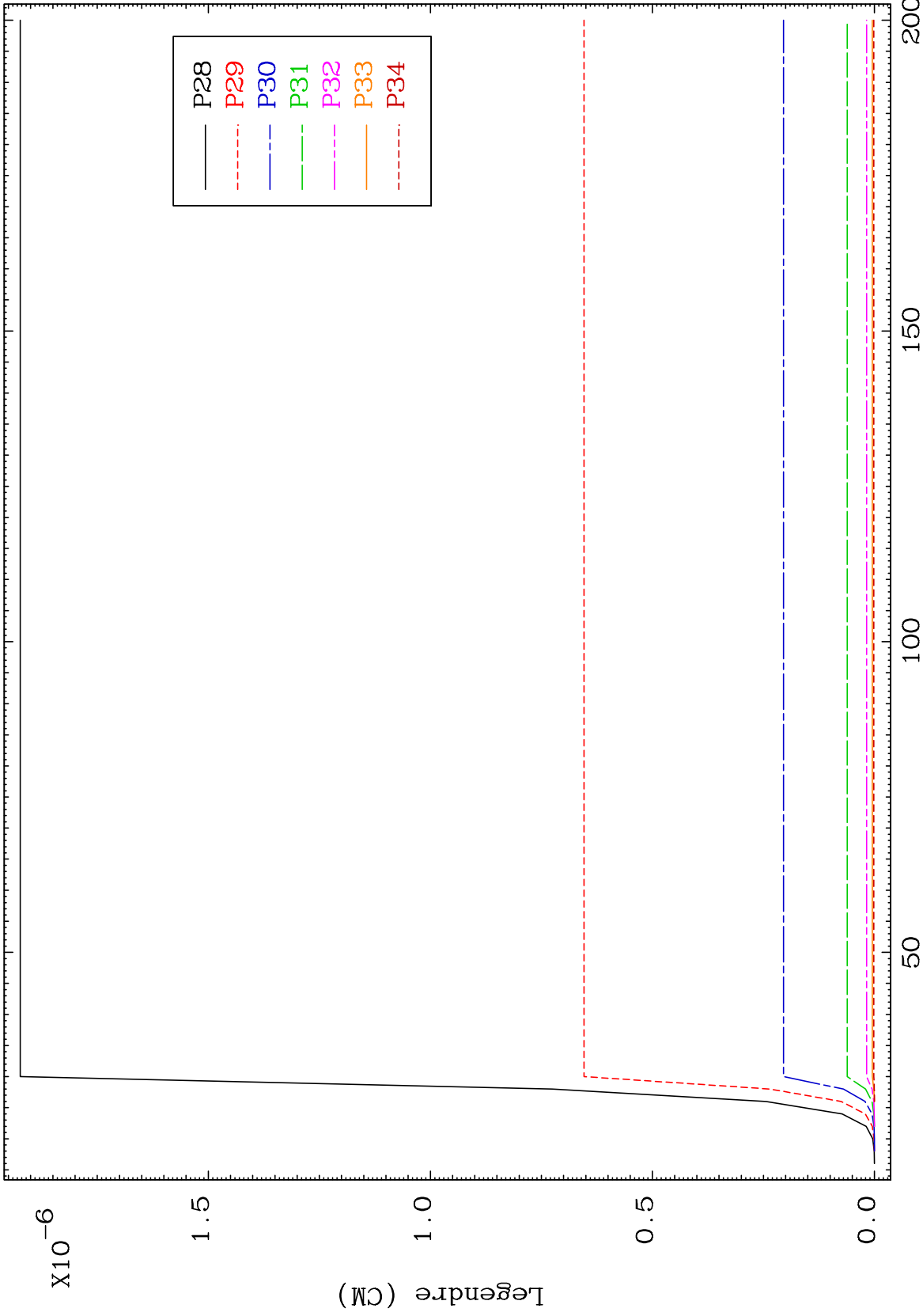
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49-In-111

MAT 4919

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

49-In-111



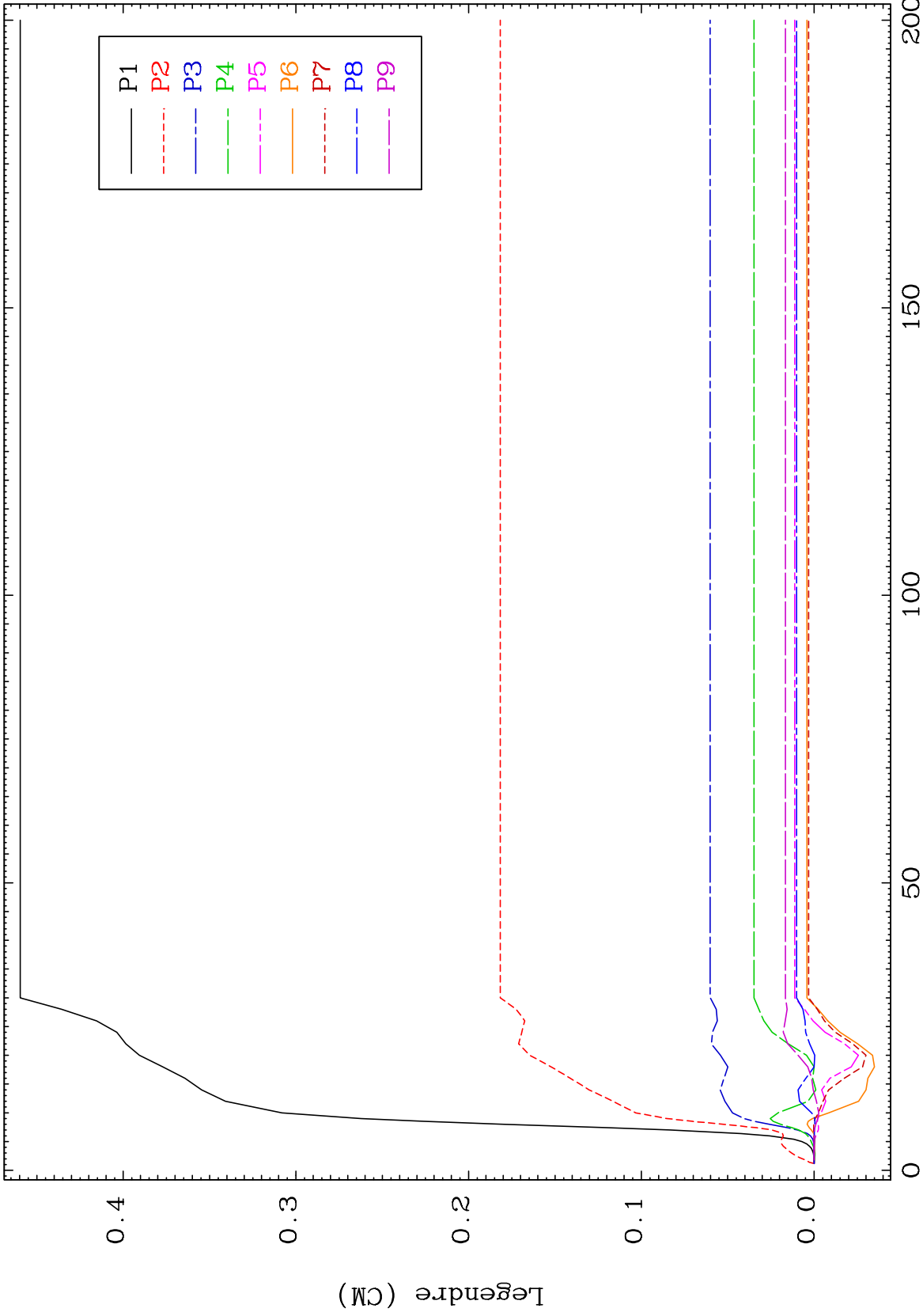
29

49-In-111

MAT 4919

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

49-In-111



30

Incident Energy (MeV)

49-In-111

200

150

100

50

0.4

0.3

0.2

0.1

0.0

P1

P2

P3

P4

P5

P6

P7

P8

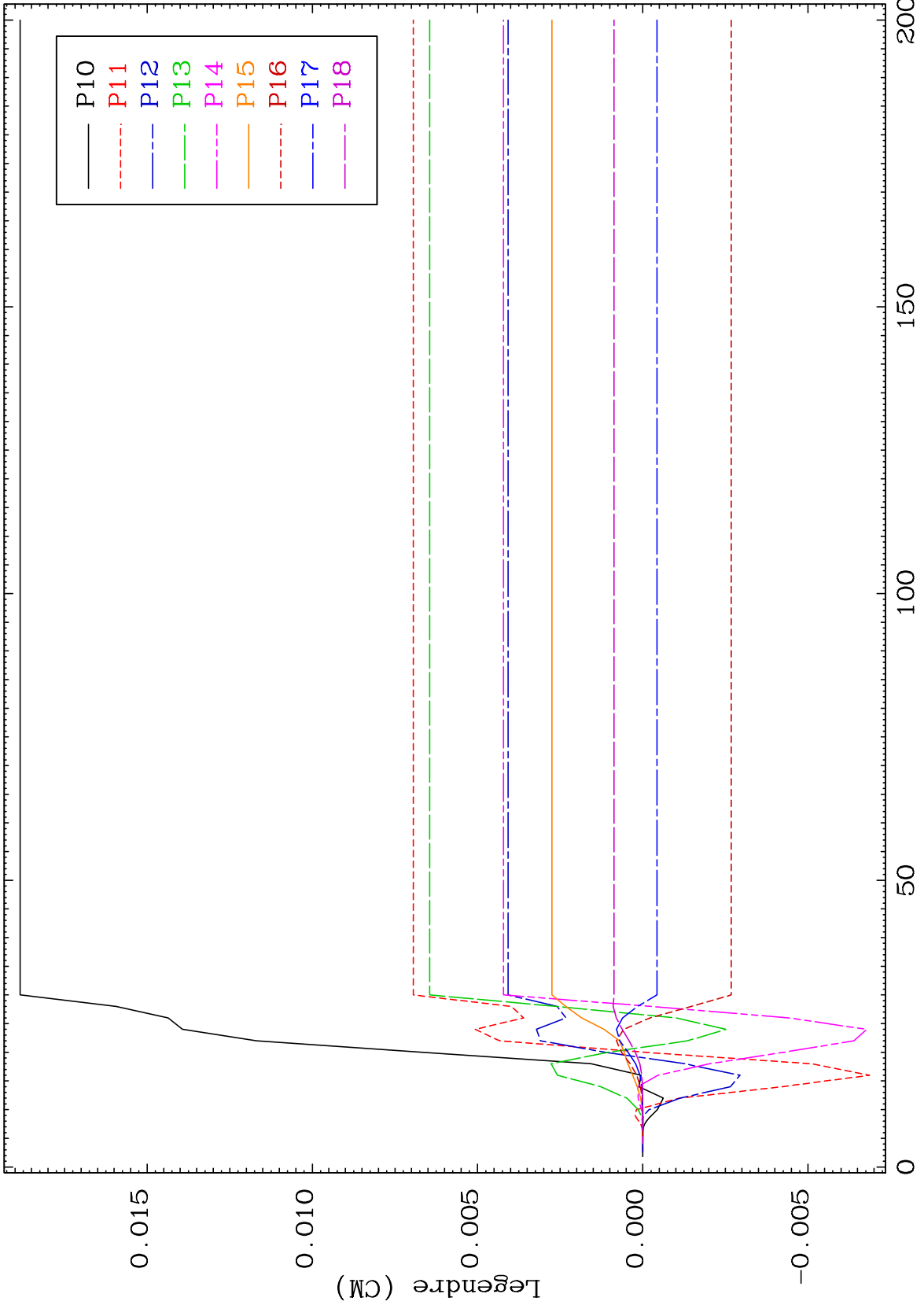
P9

Legendre (CM)

MAT 4919

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

49-In-111



31

Incident Energy (MeV)

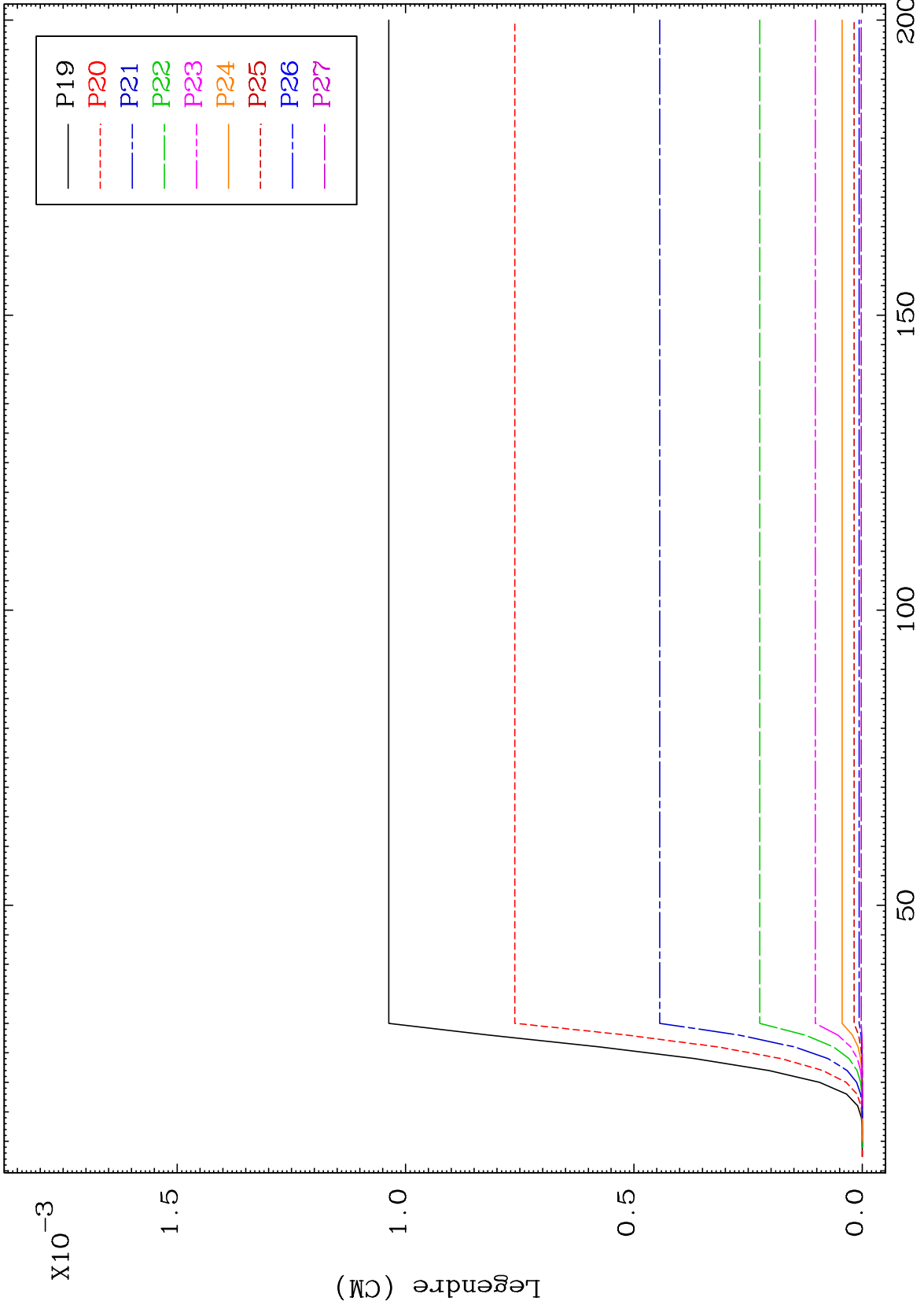
49-In-111



MAT 4919

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

49-In-111



32

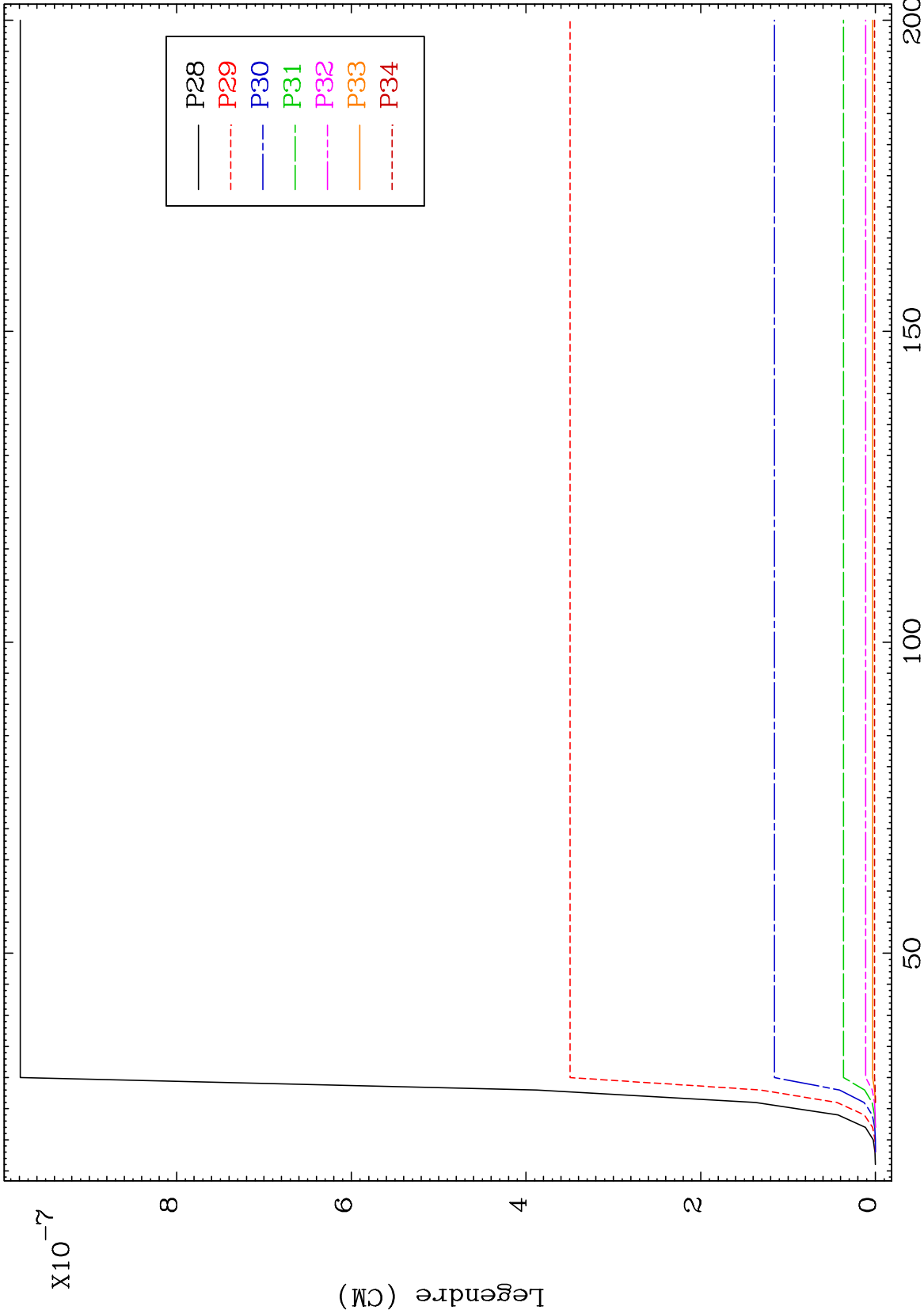
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



33

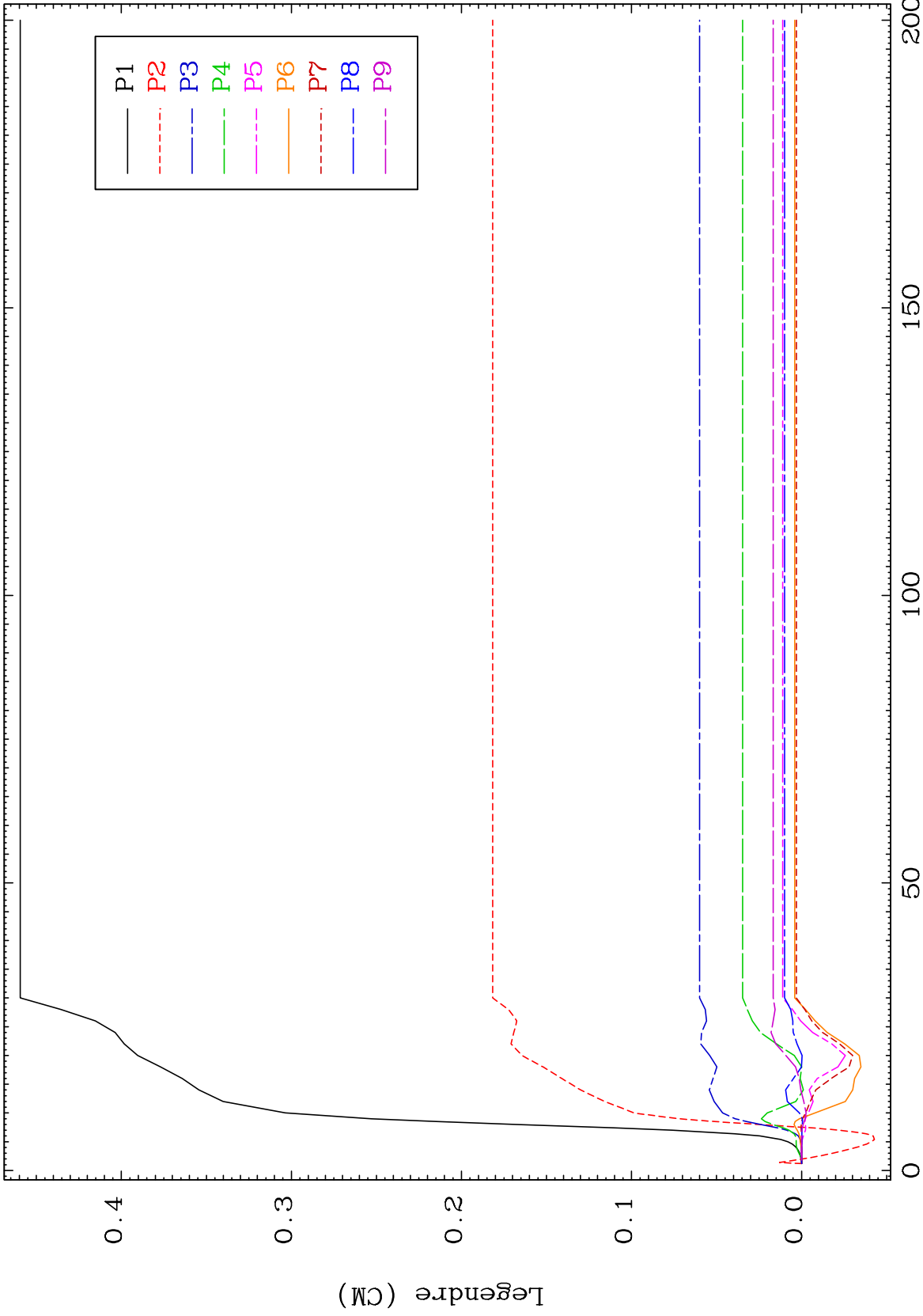
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



34

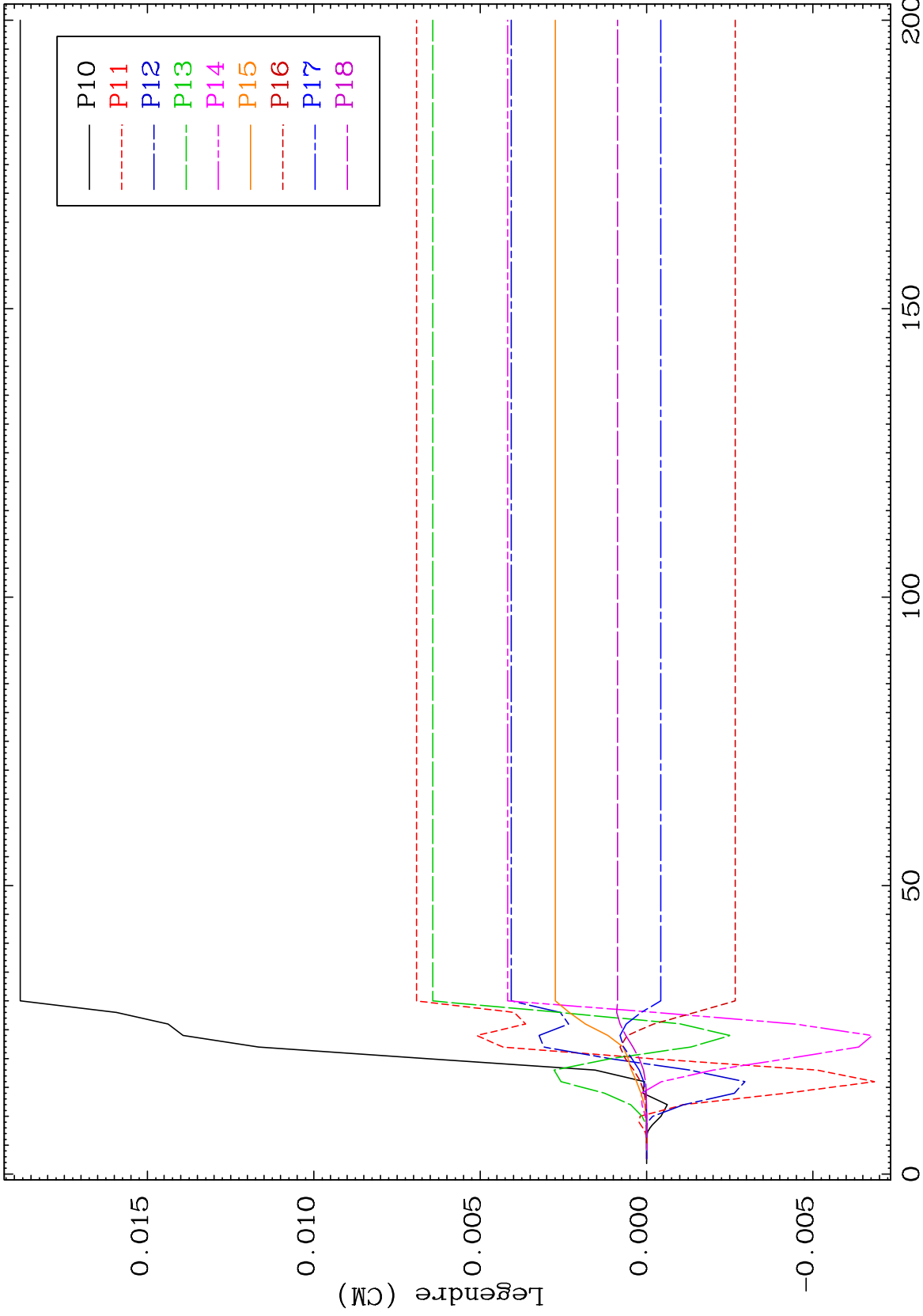
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



35

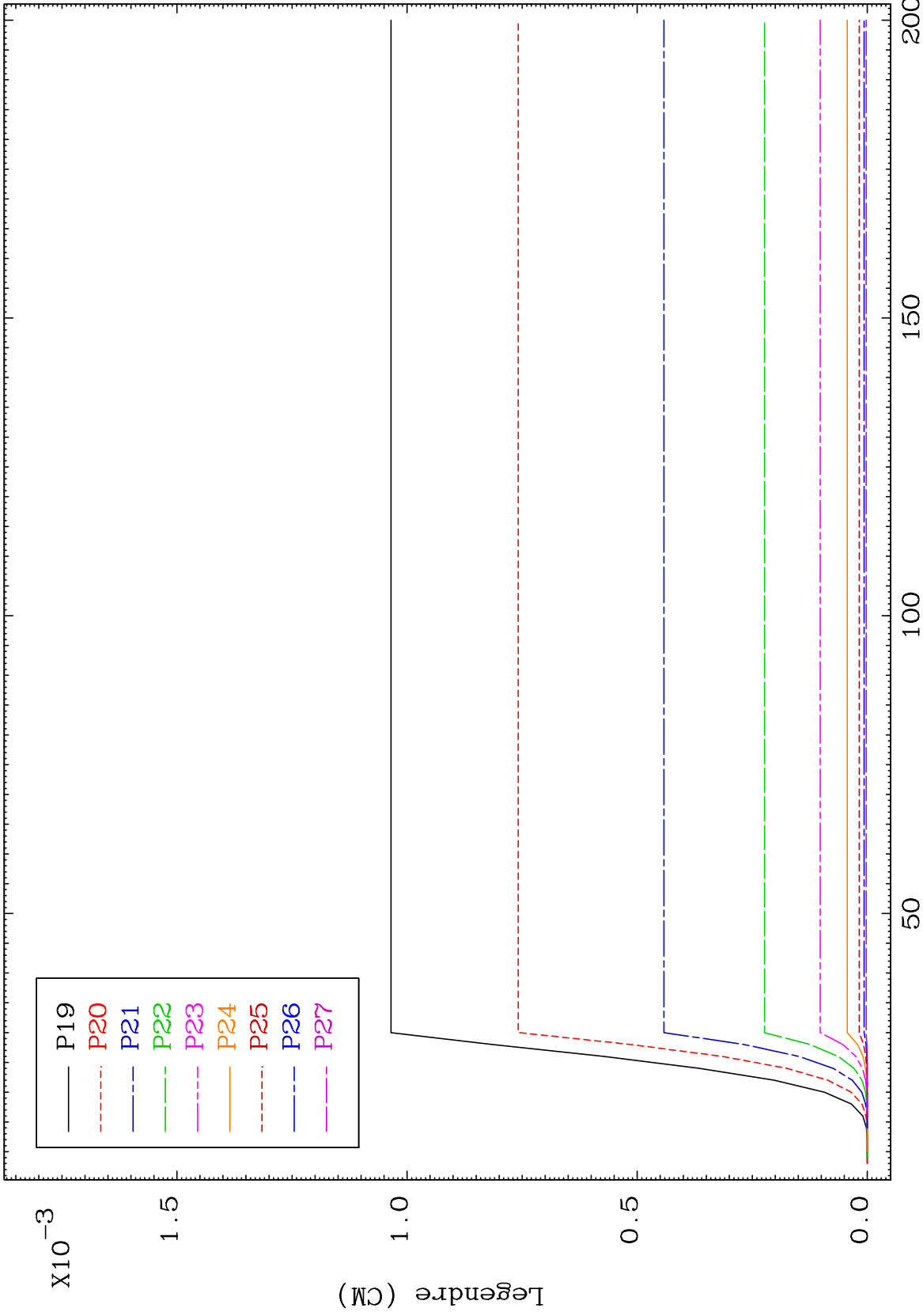
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



36

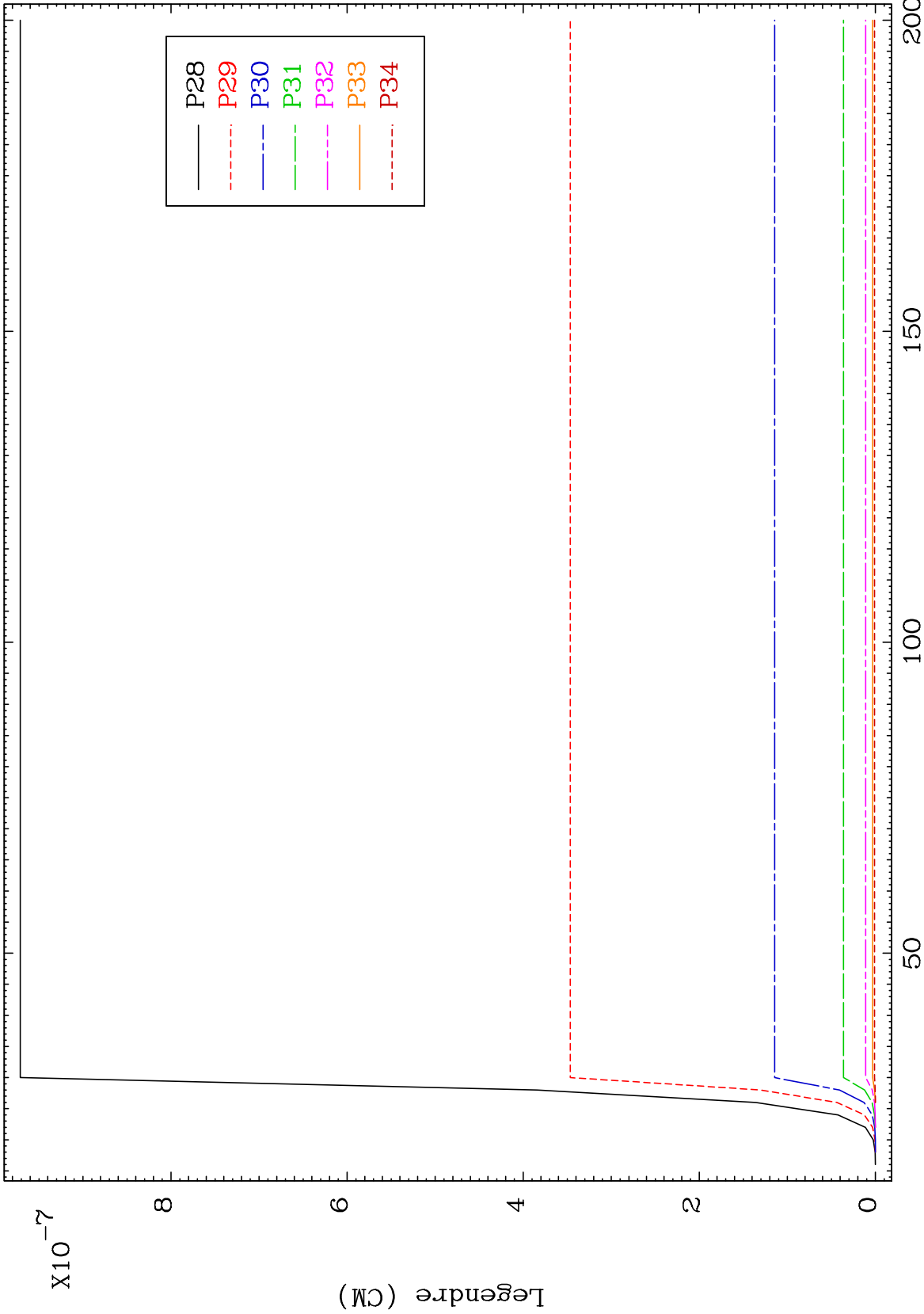
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



37

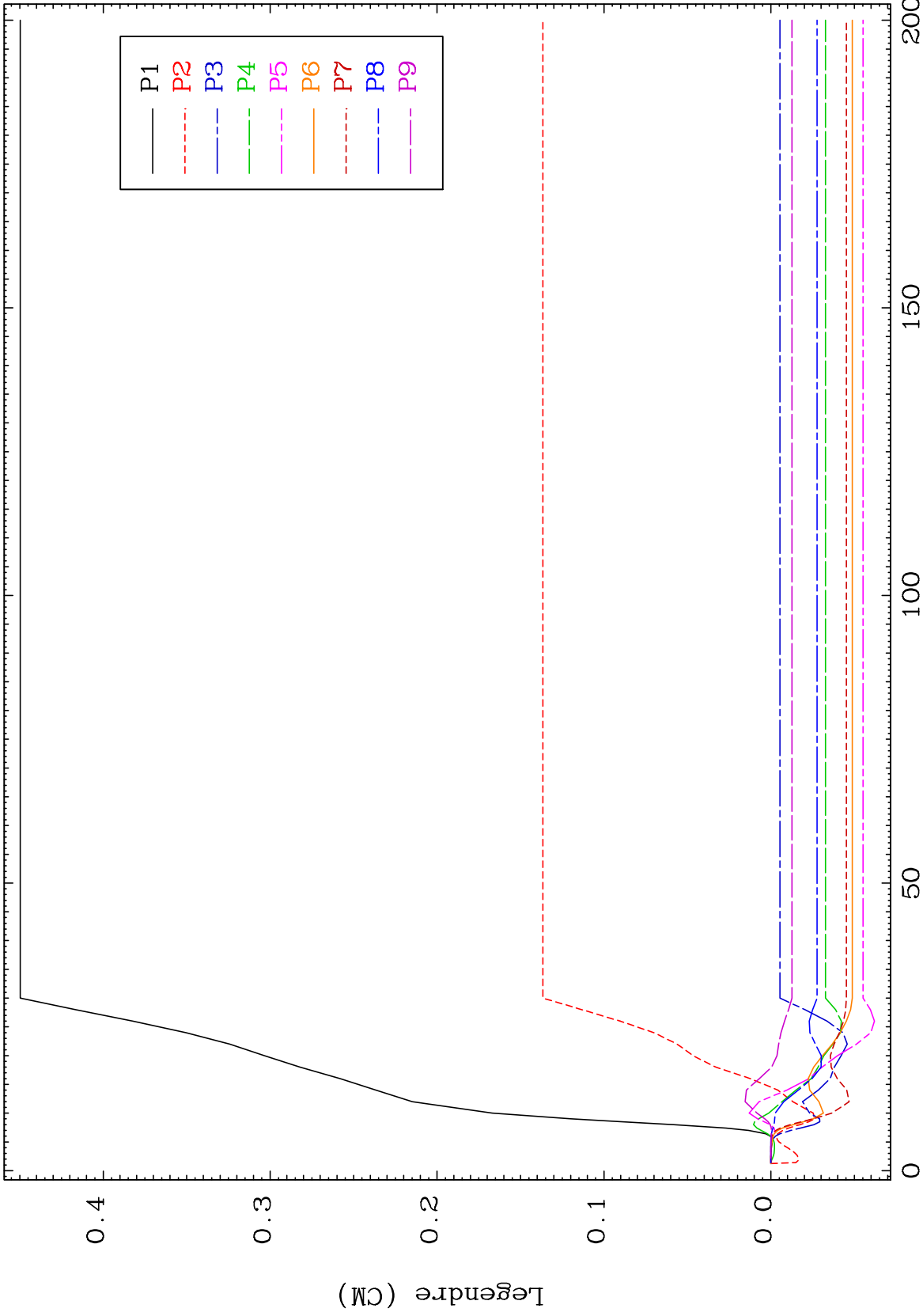
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



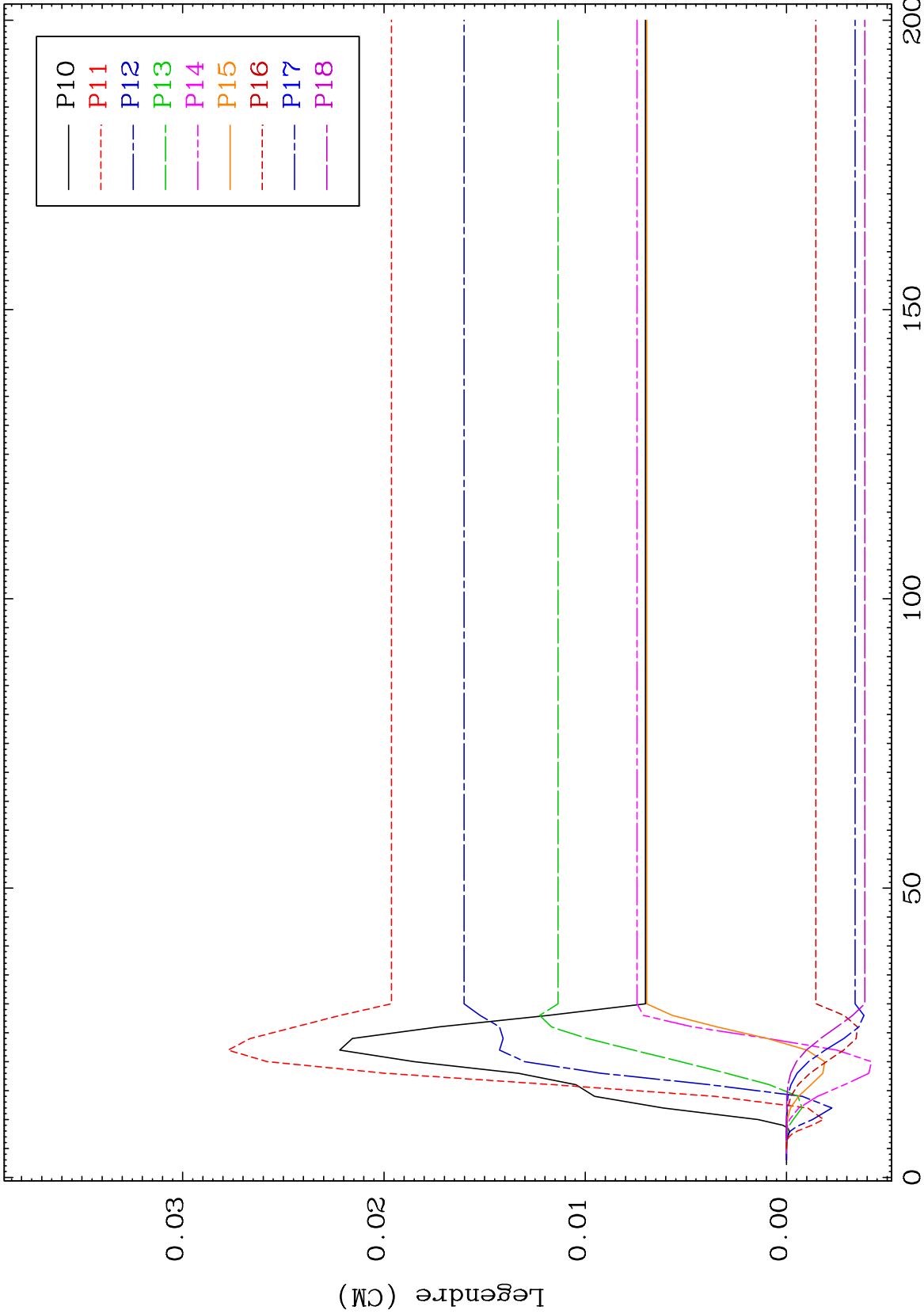
38

49-In-111

MAT 4919

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

49-In-111



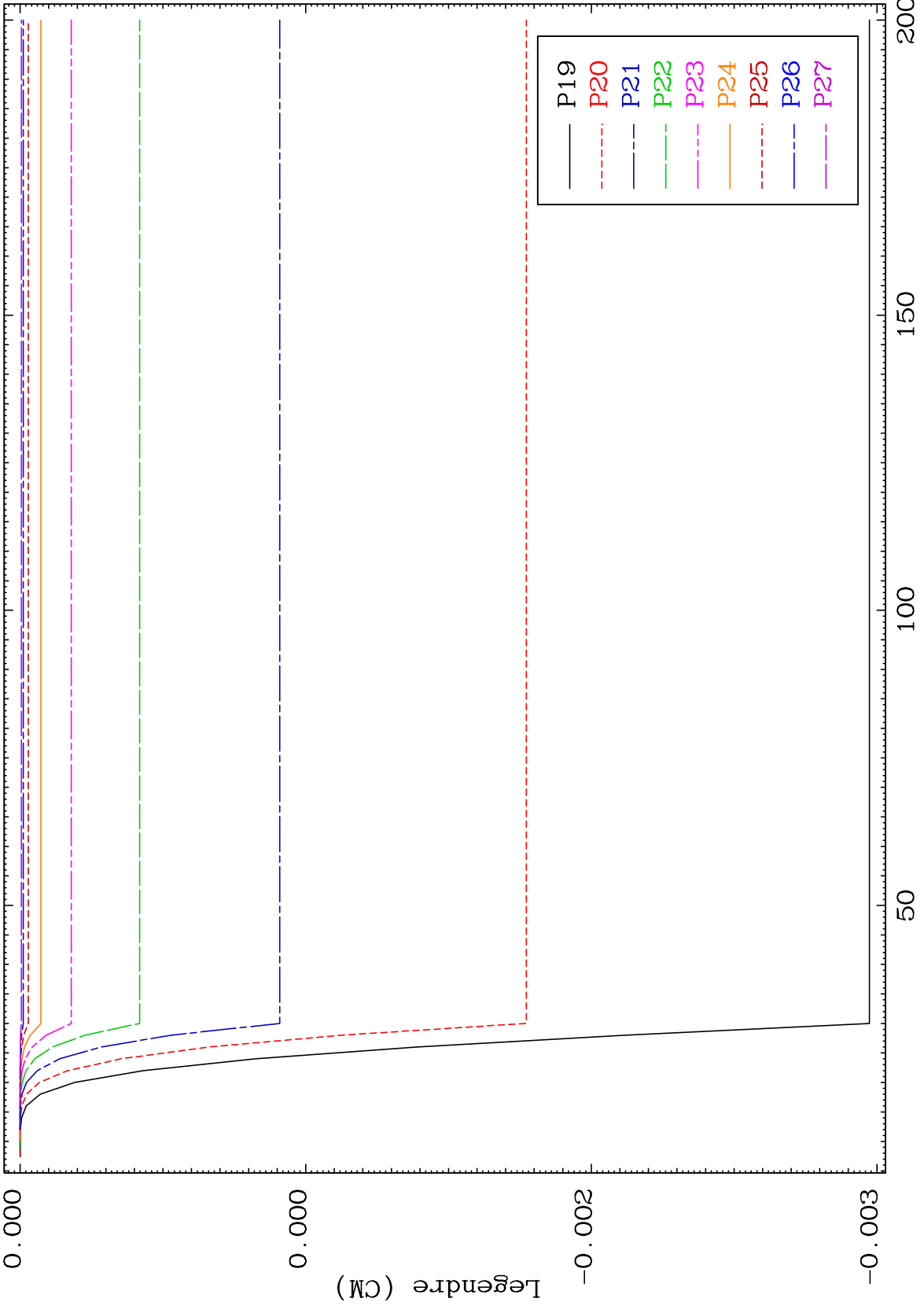
39

Incident Energy (MeV)

49-In-111



MAT 4919 MT= 56 (n,n') Level Legendre Coefficients 49-In-111

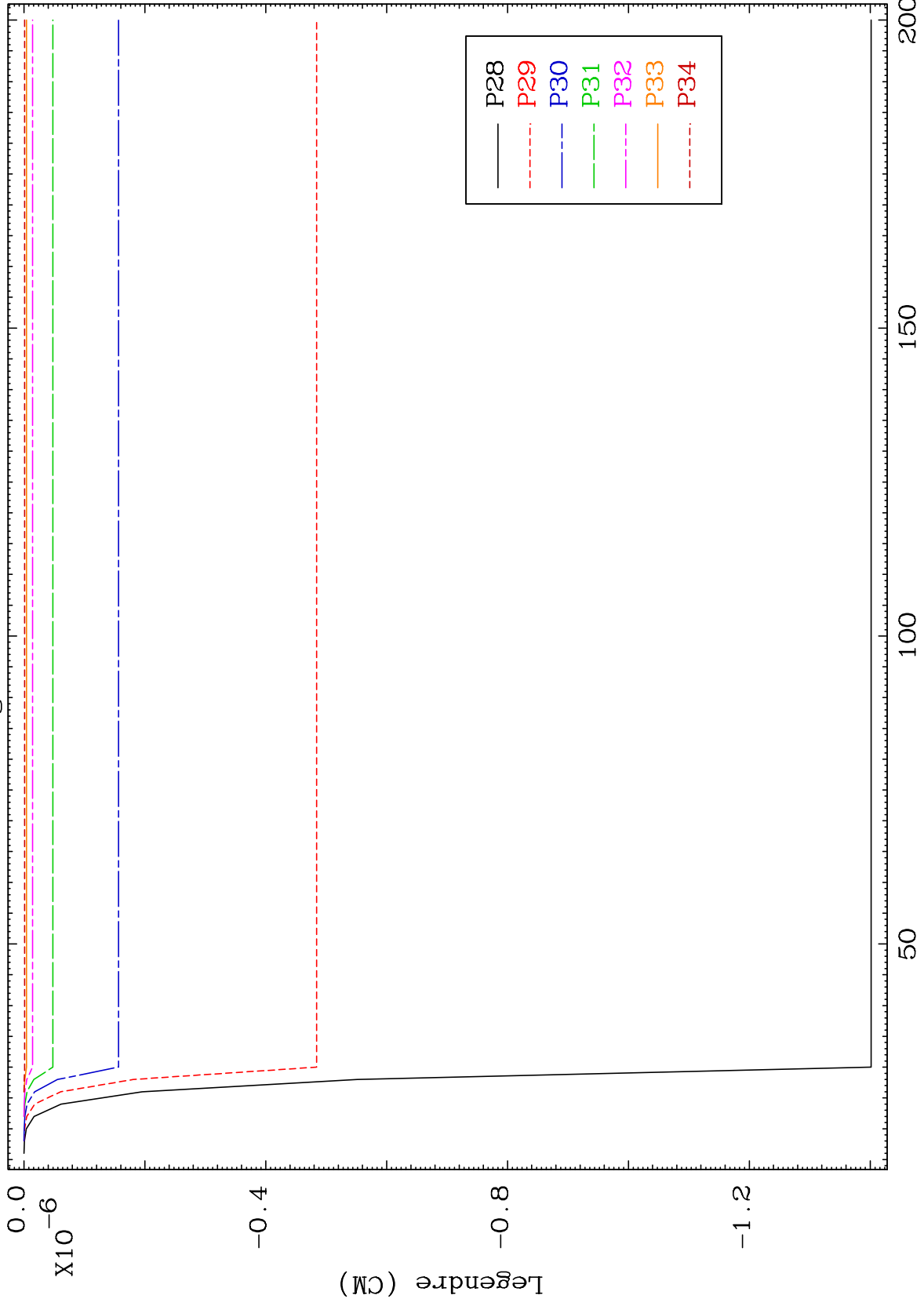


40 50 100 150 200 49-In-111

MAT 4919

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

49-In-111



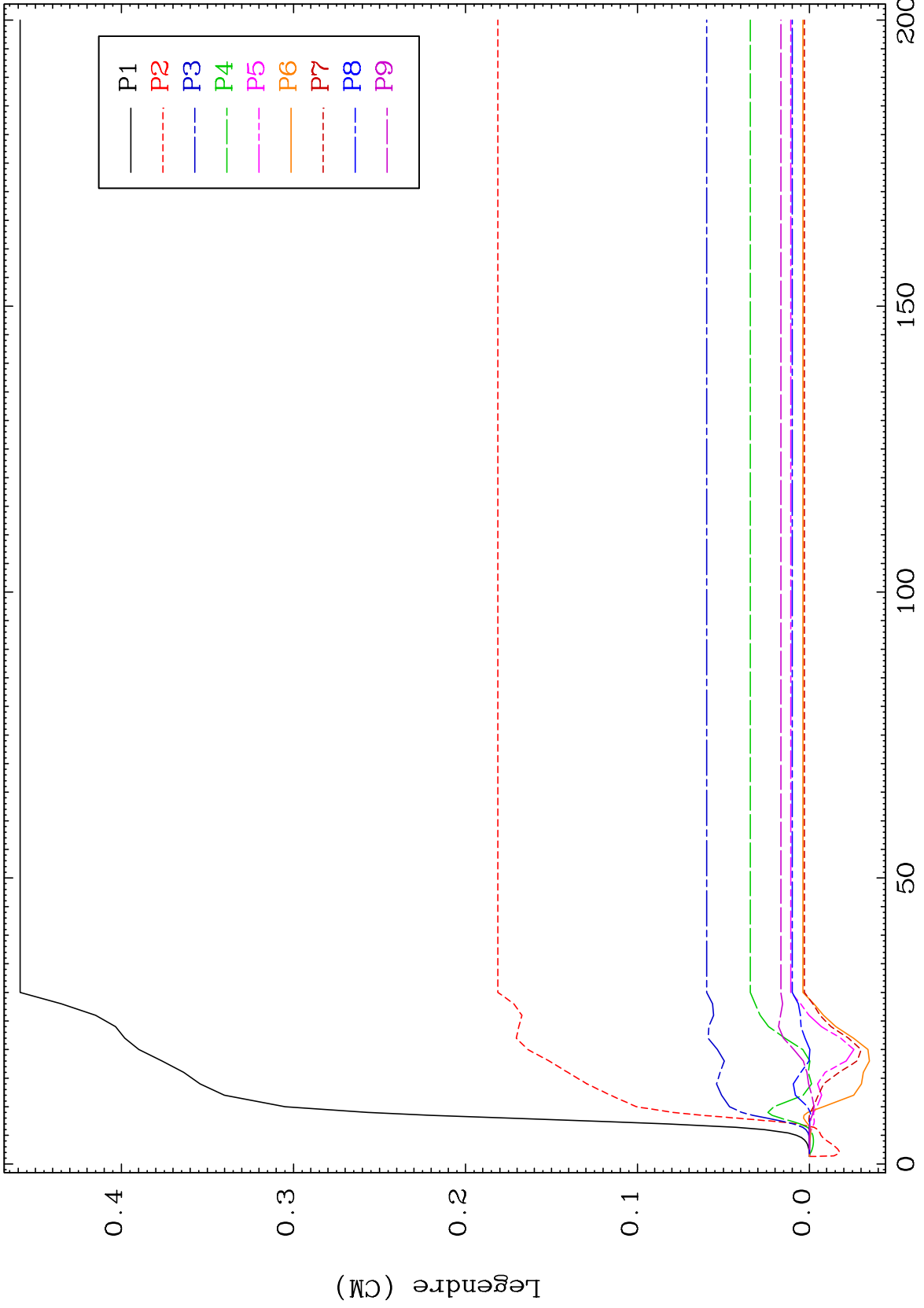
49-In-111

41

MAT 4919

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

49-In-111



42

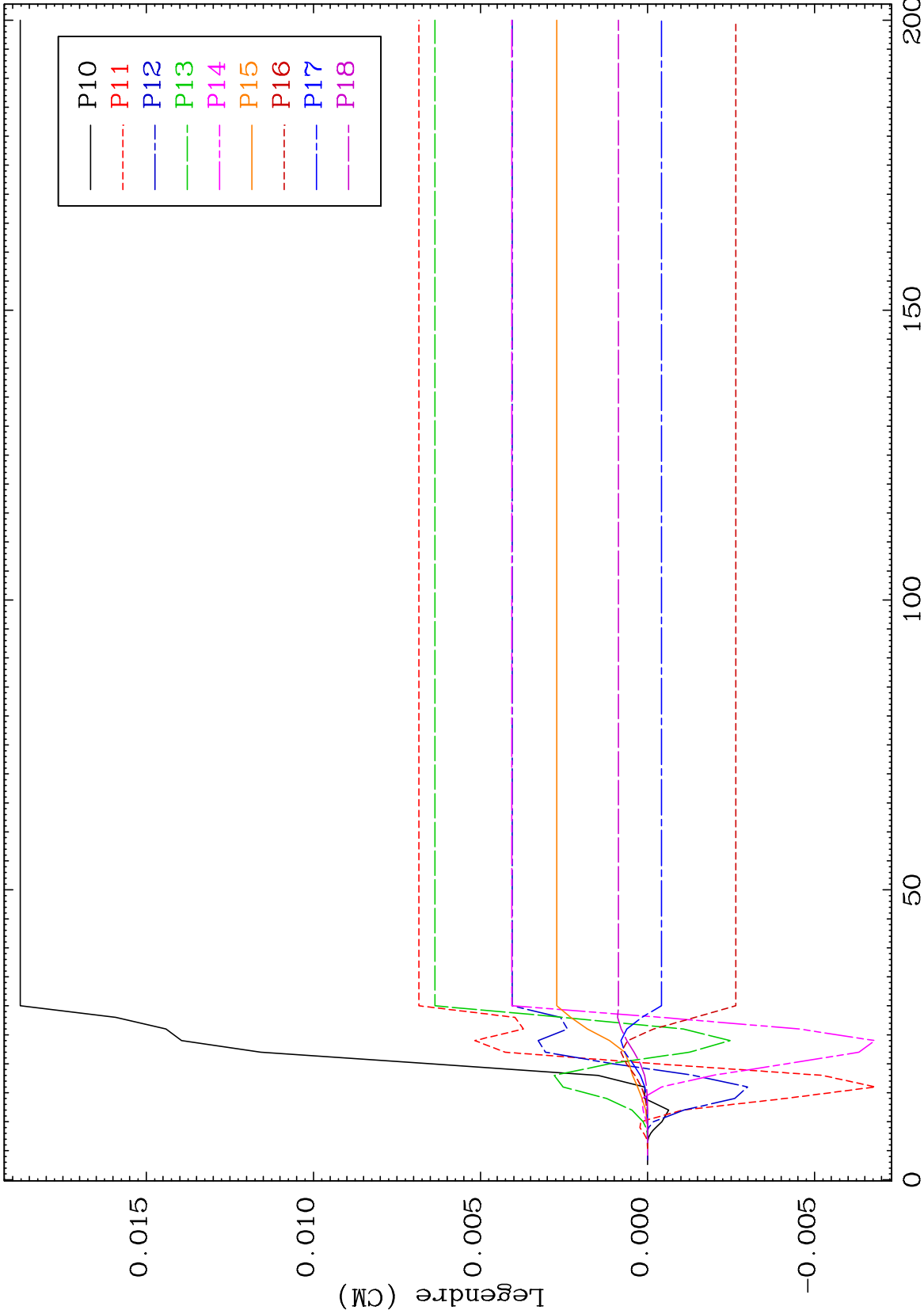
Incident Energy (MeV)

49-In-111

MAT 4919

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

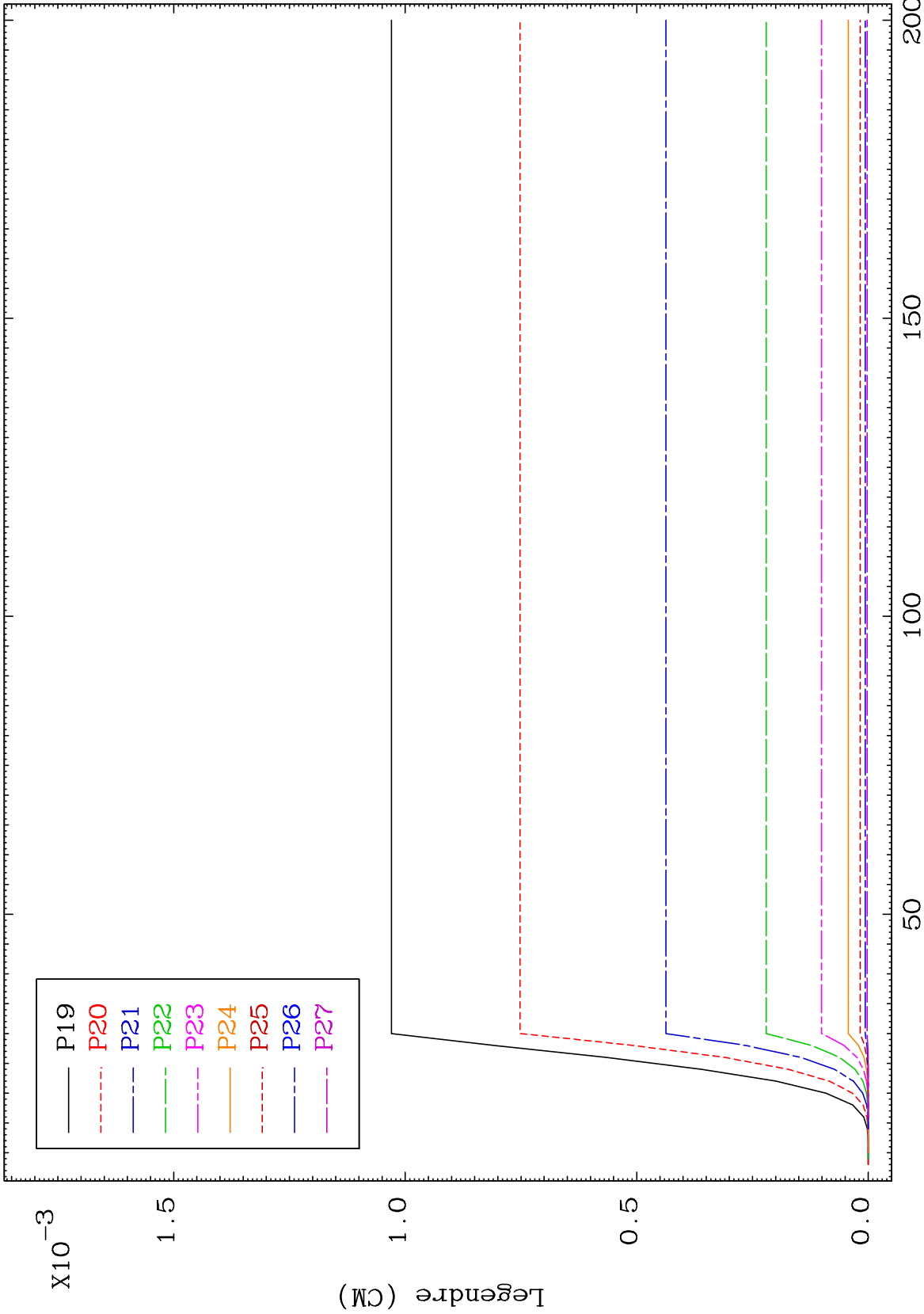
49-In-111



43

Incident Energy (MeV)

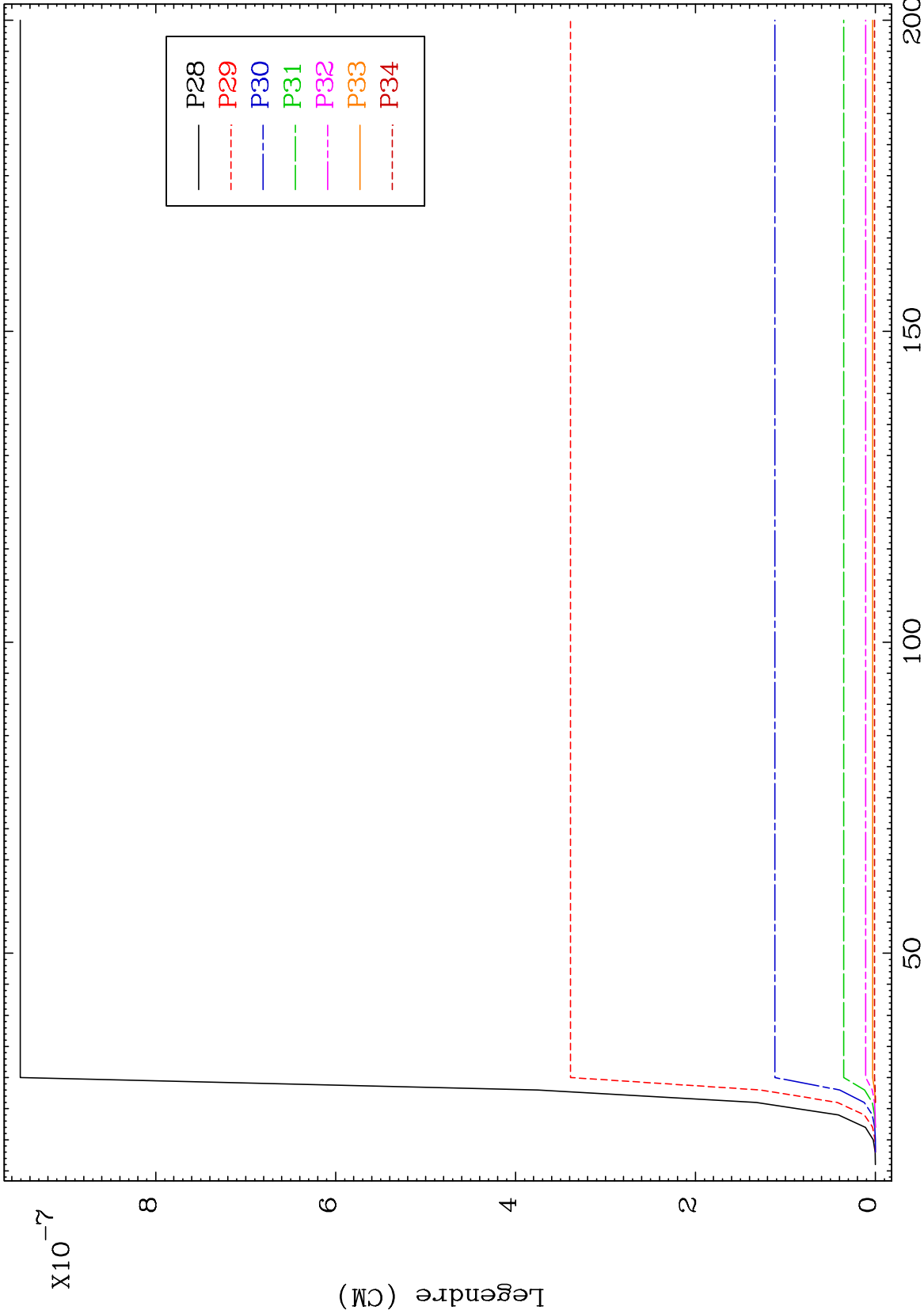
49-In-111



MAT 4919

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

49-In-111



45

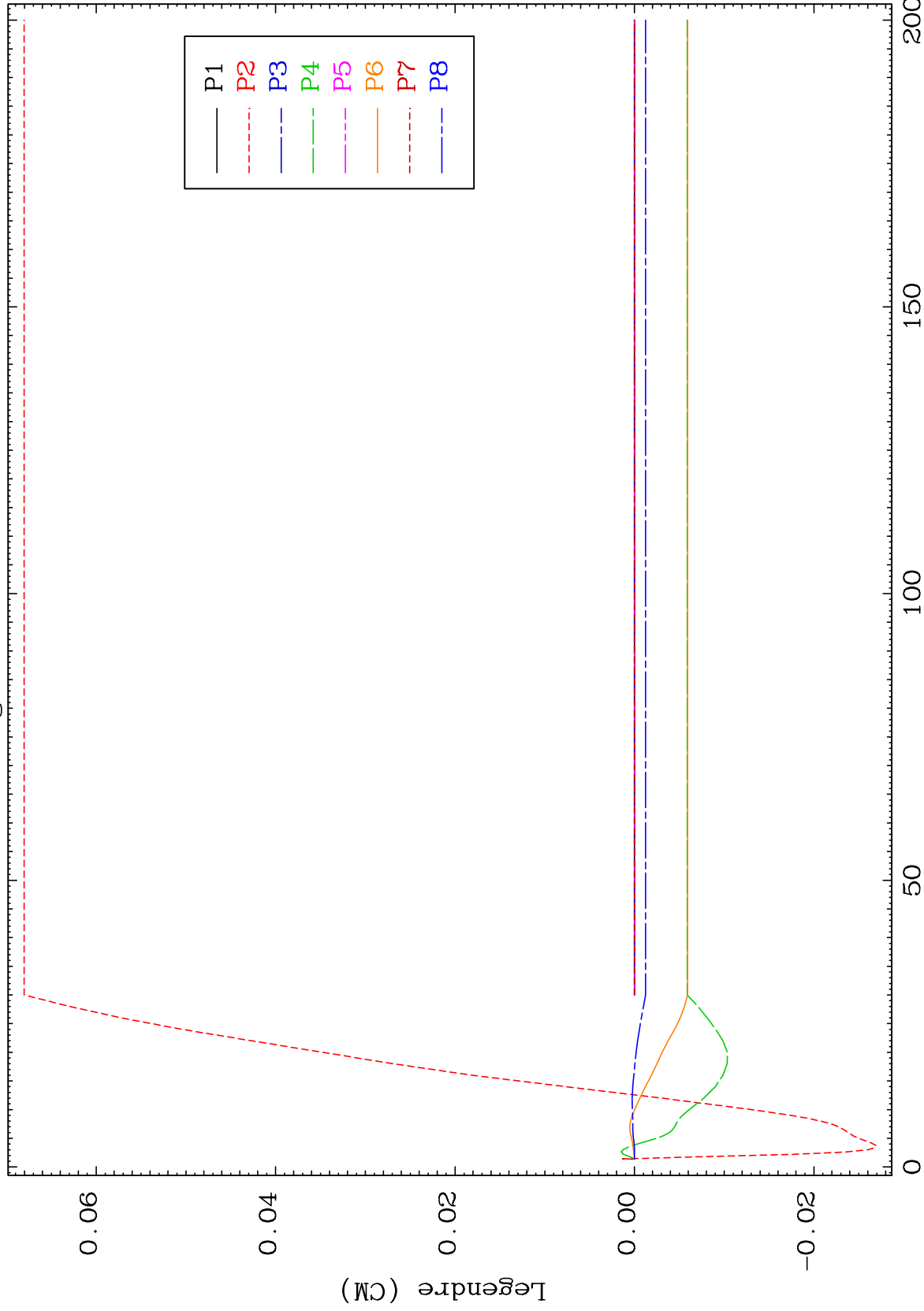
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



46

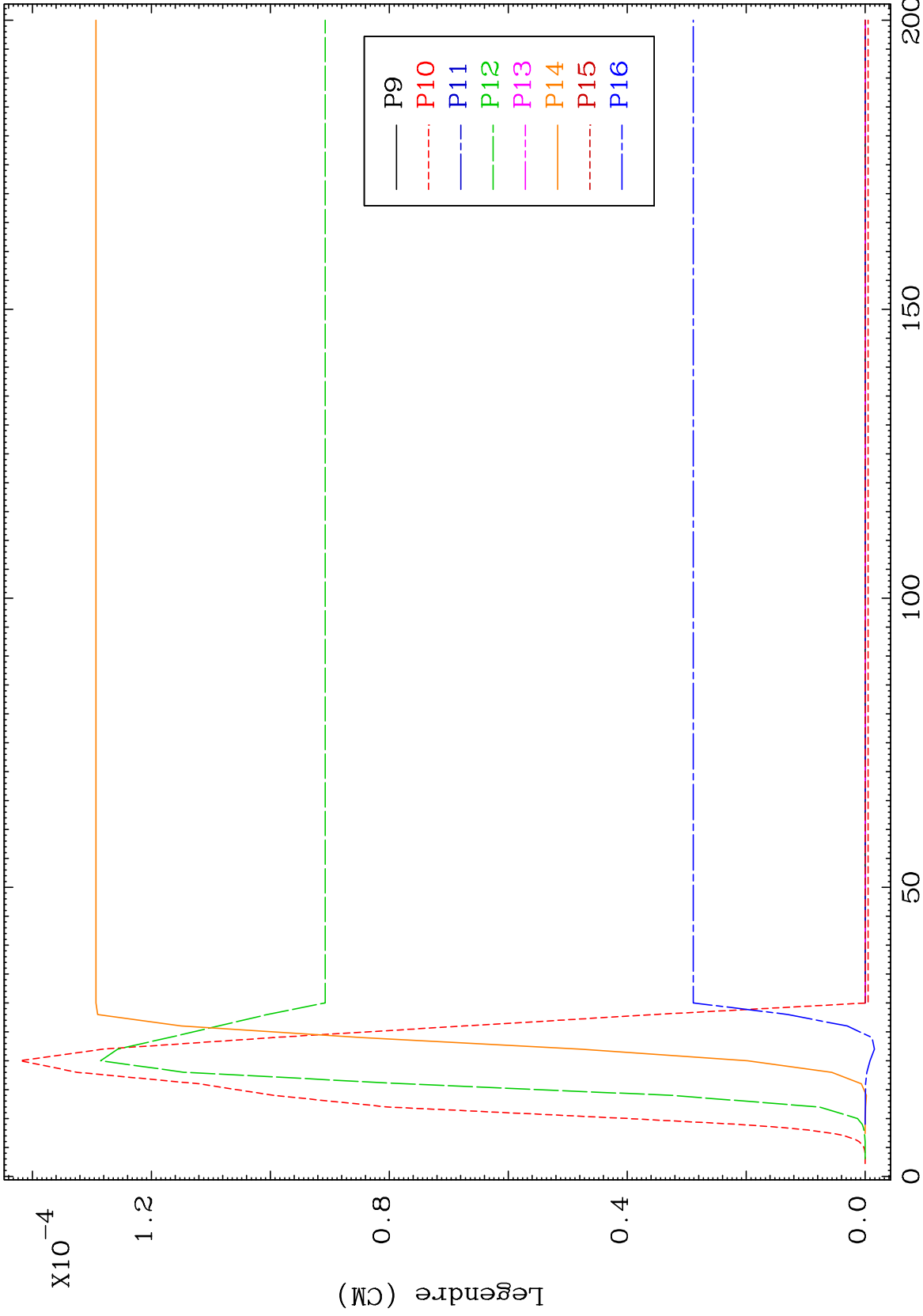
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



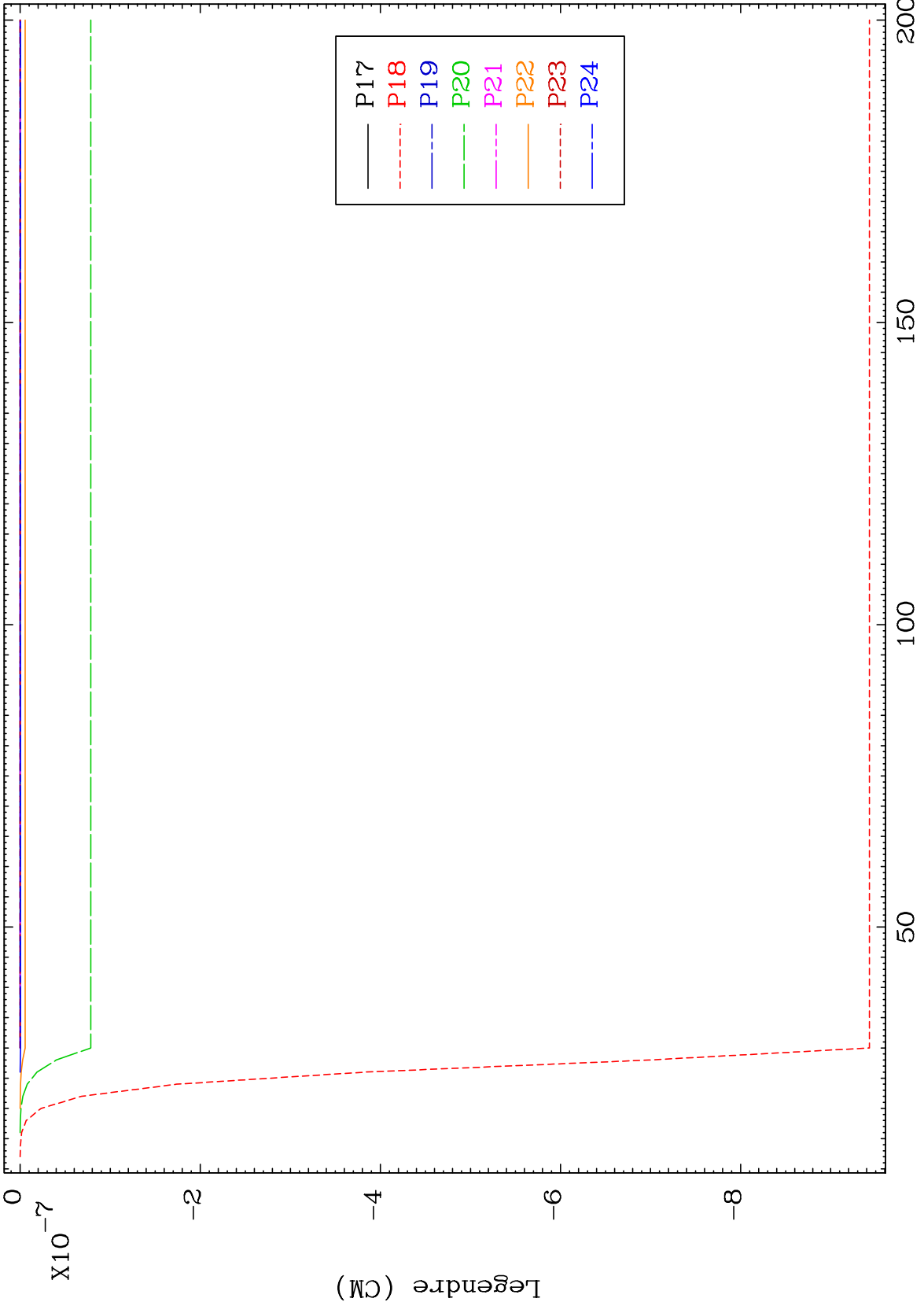
47

Incident Energy (MeV)

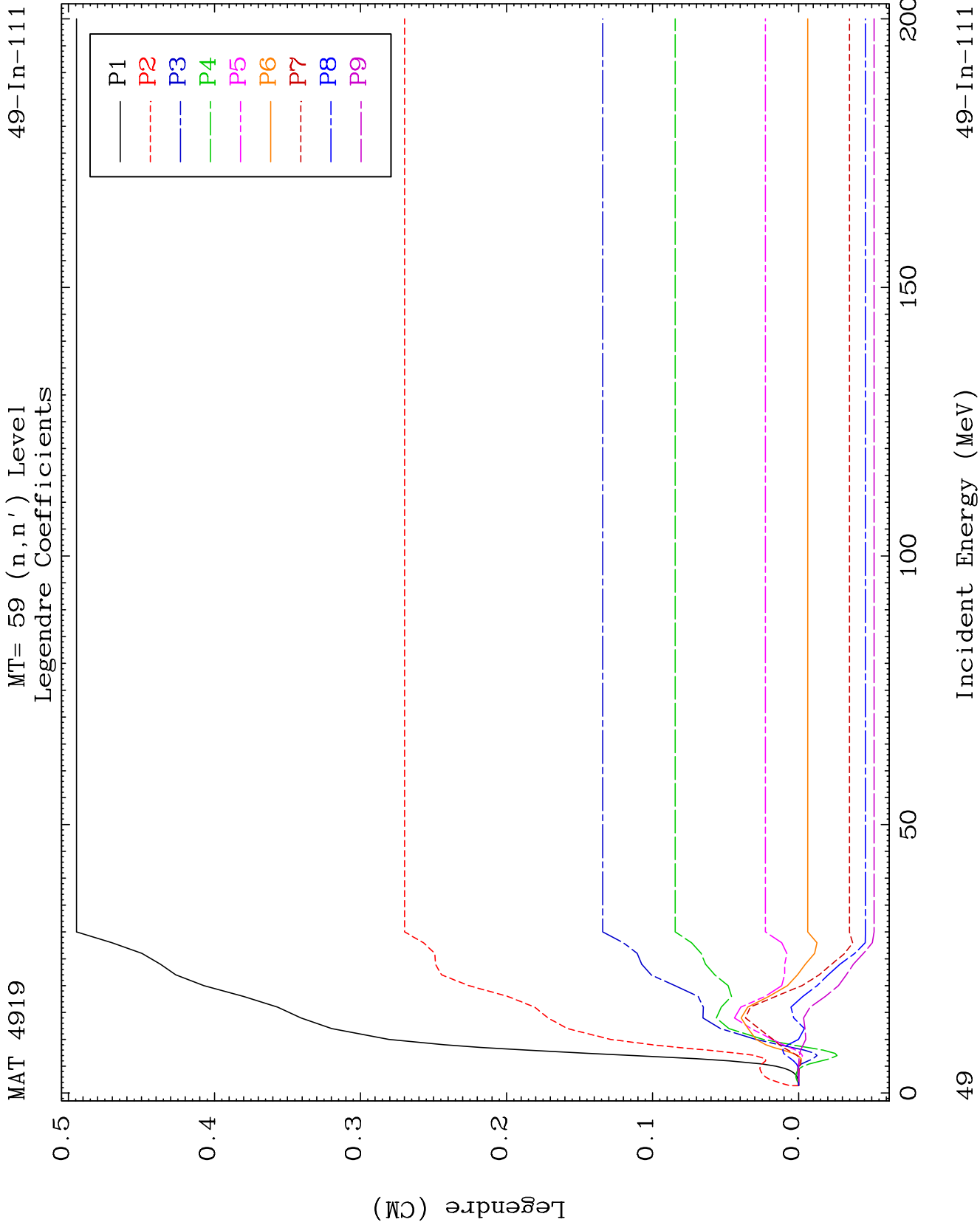
49-In-111



MAT 4919 MT= 58 (n,n') Level Legendre Coefficients 49-In-111



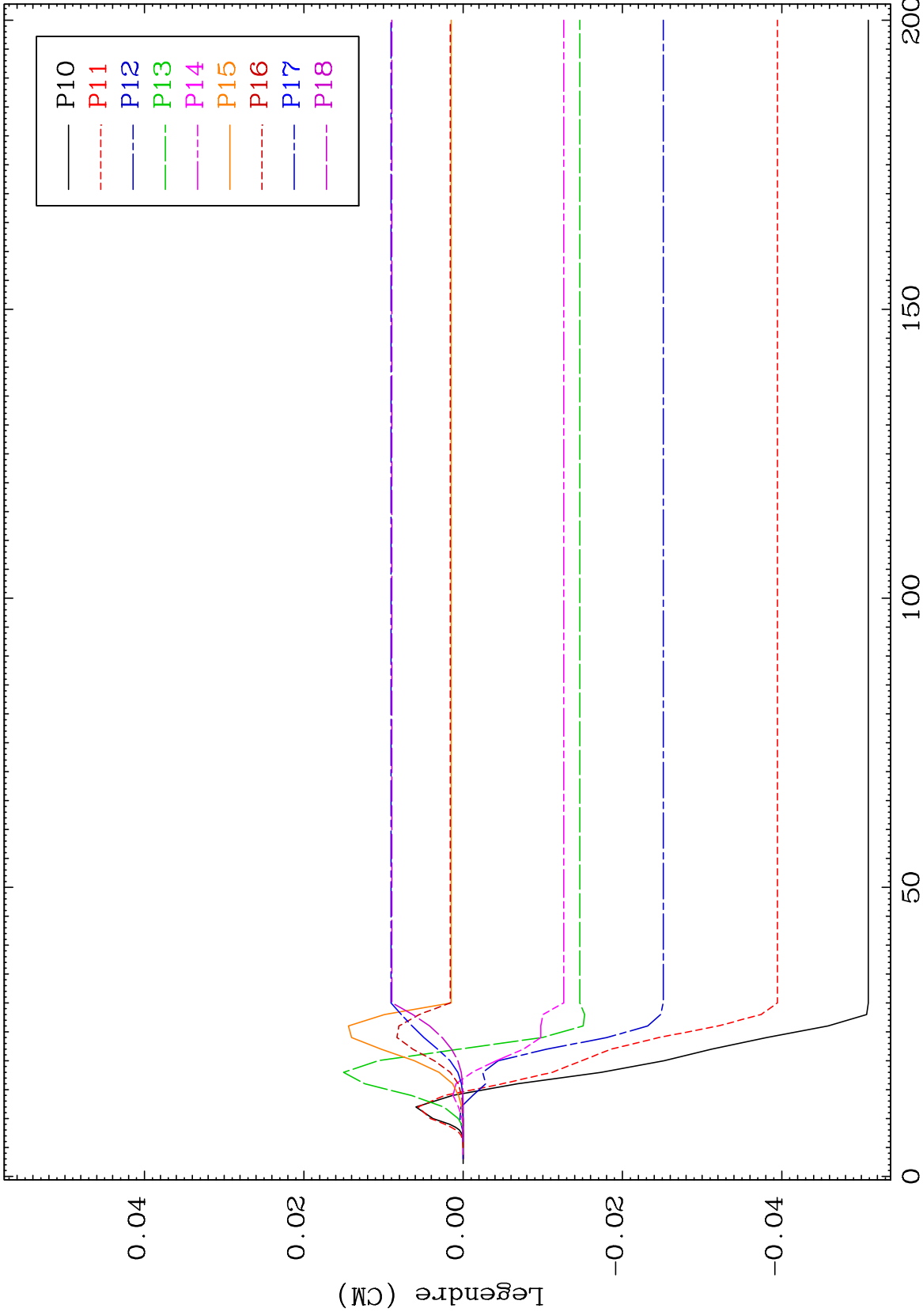
48 Incident Energy (MeV) 49-In-111



MAT 4919

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

49-In-111



50

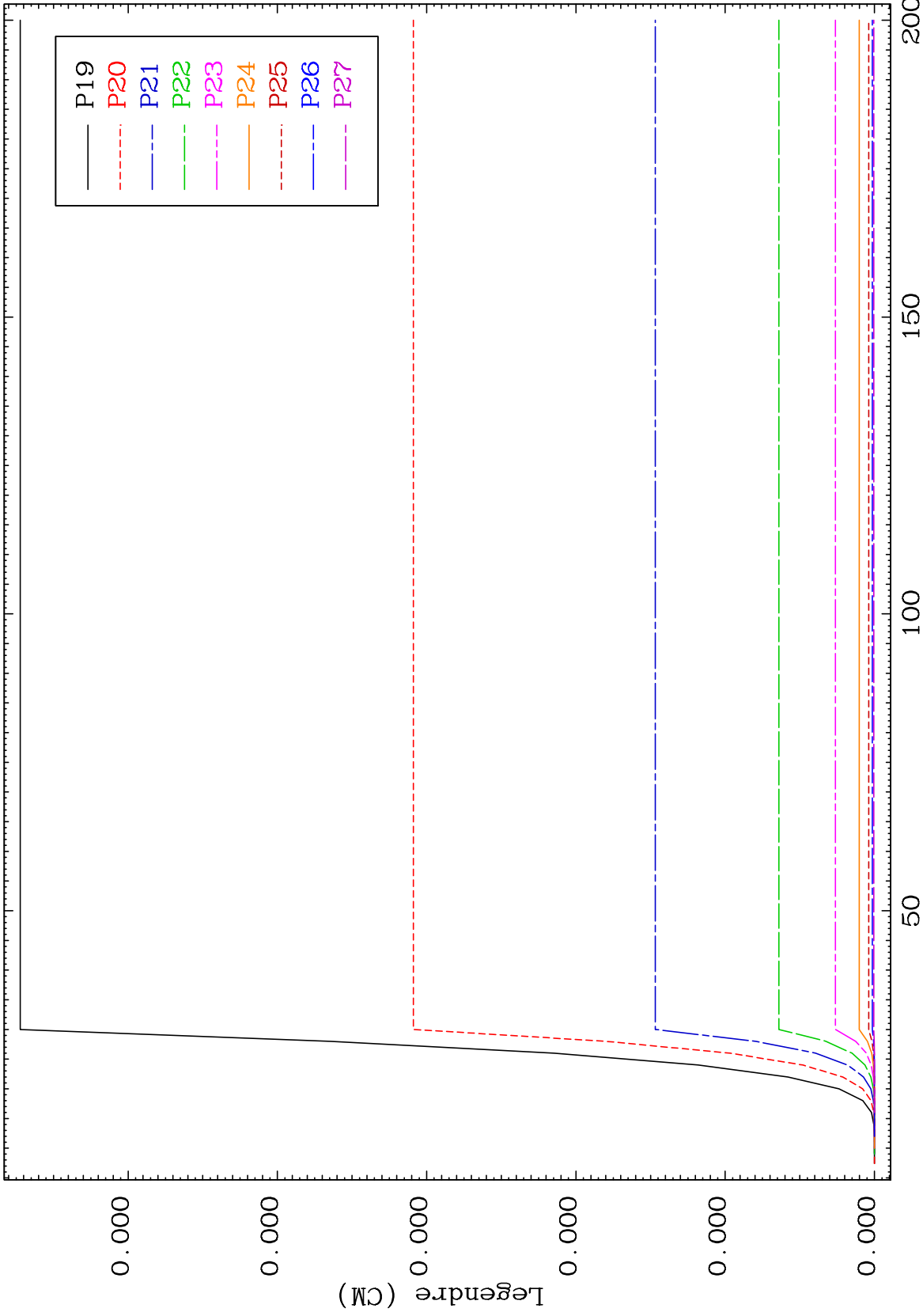
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



51

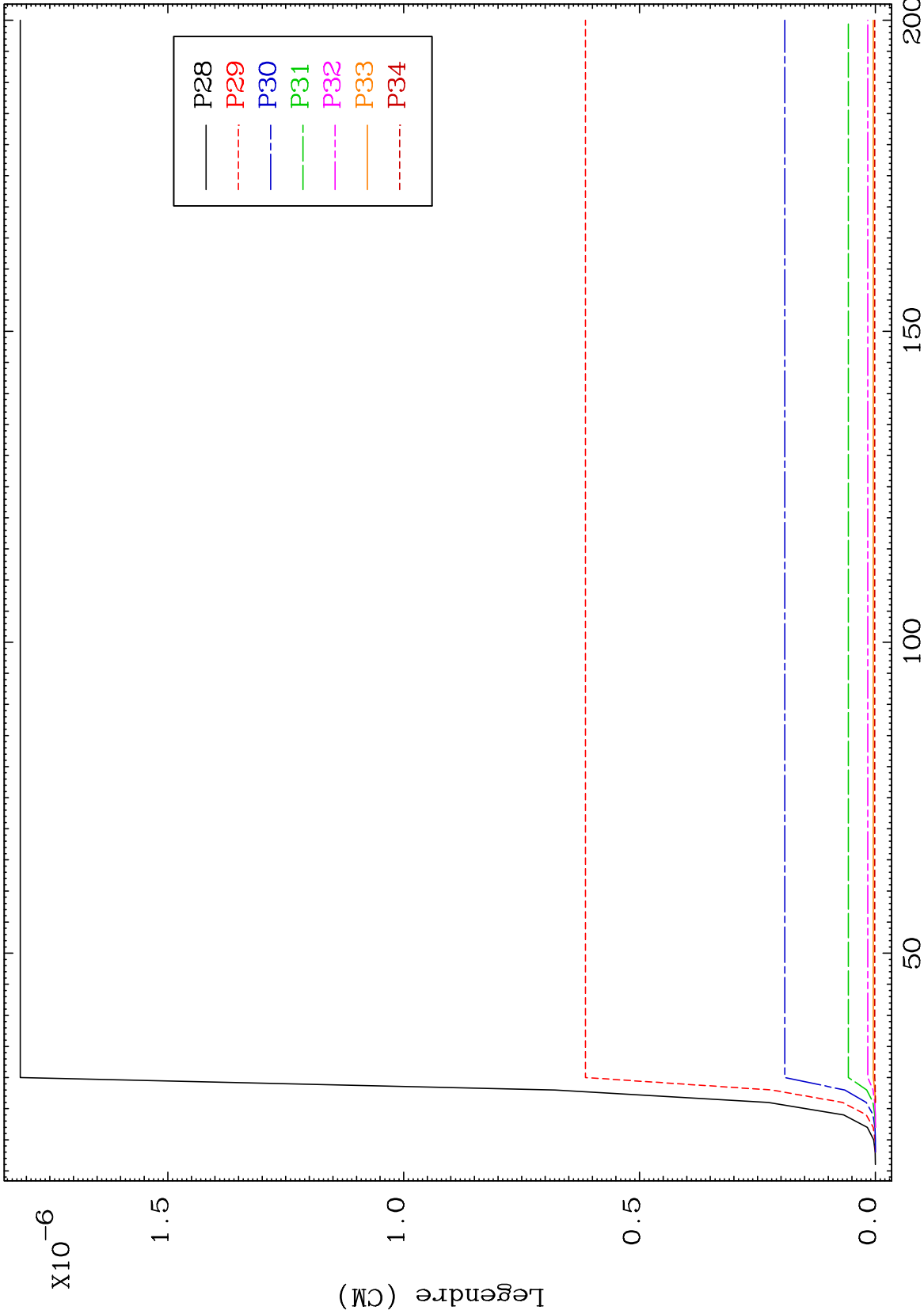
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



52

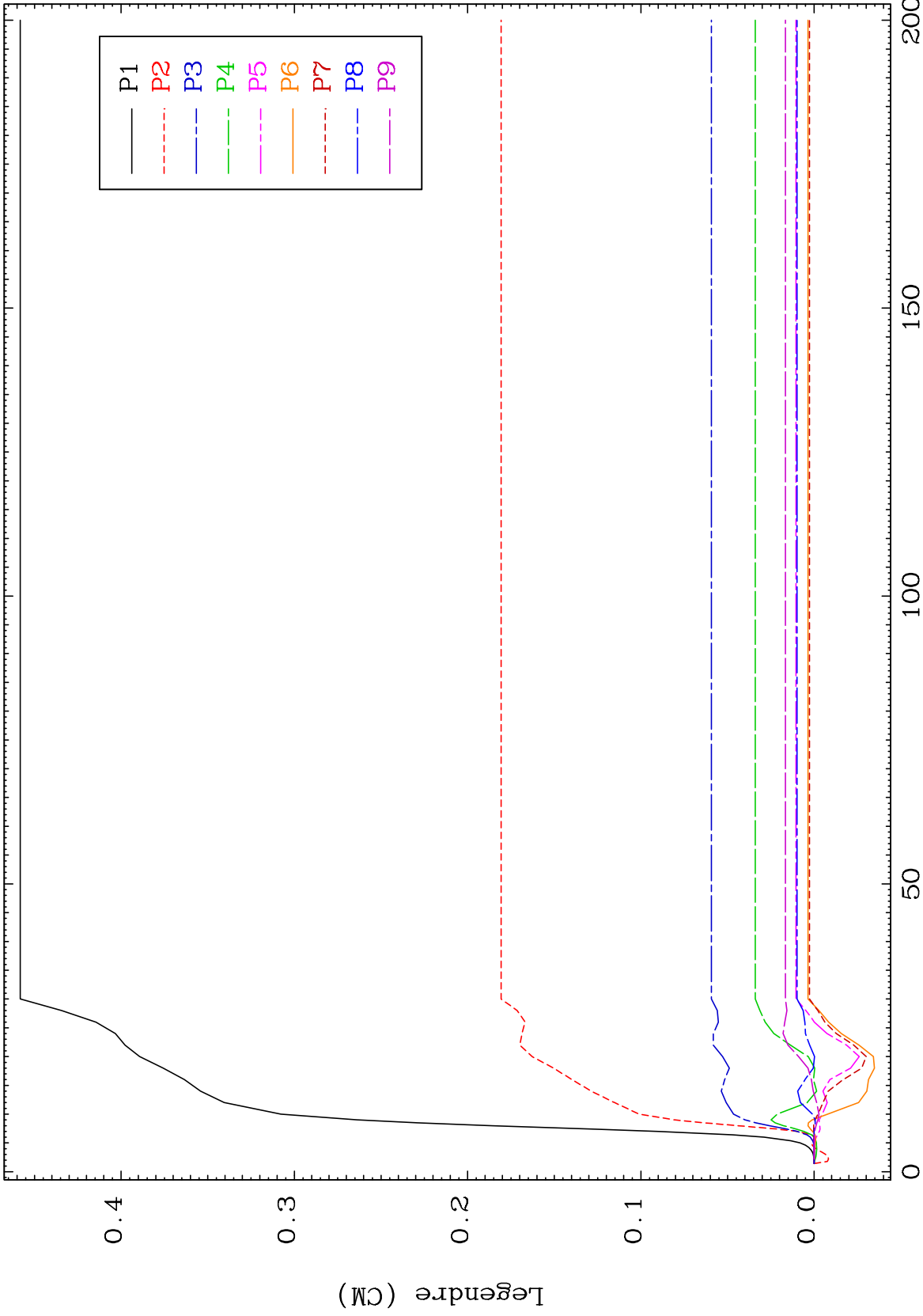
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



53

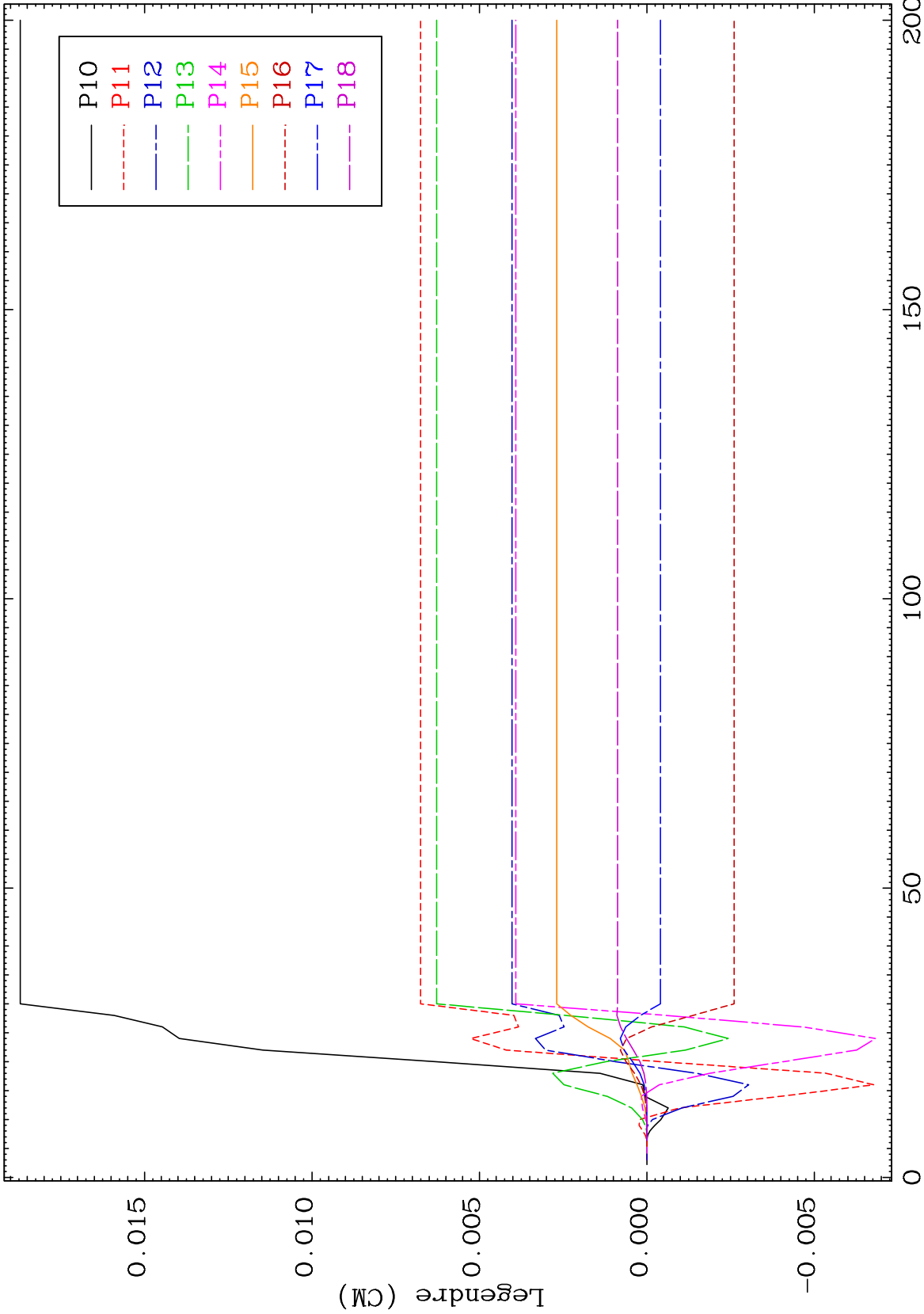
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



54

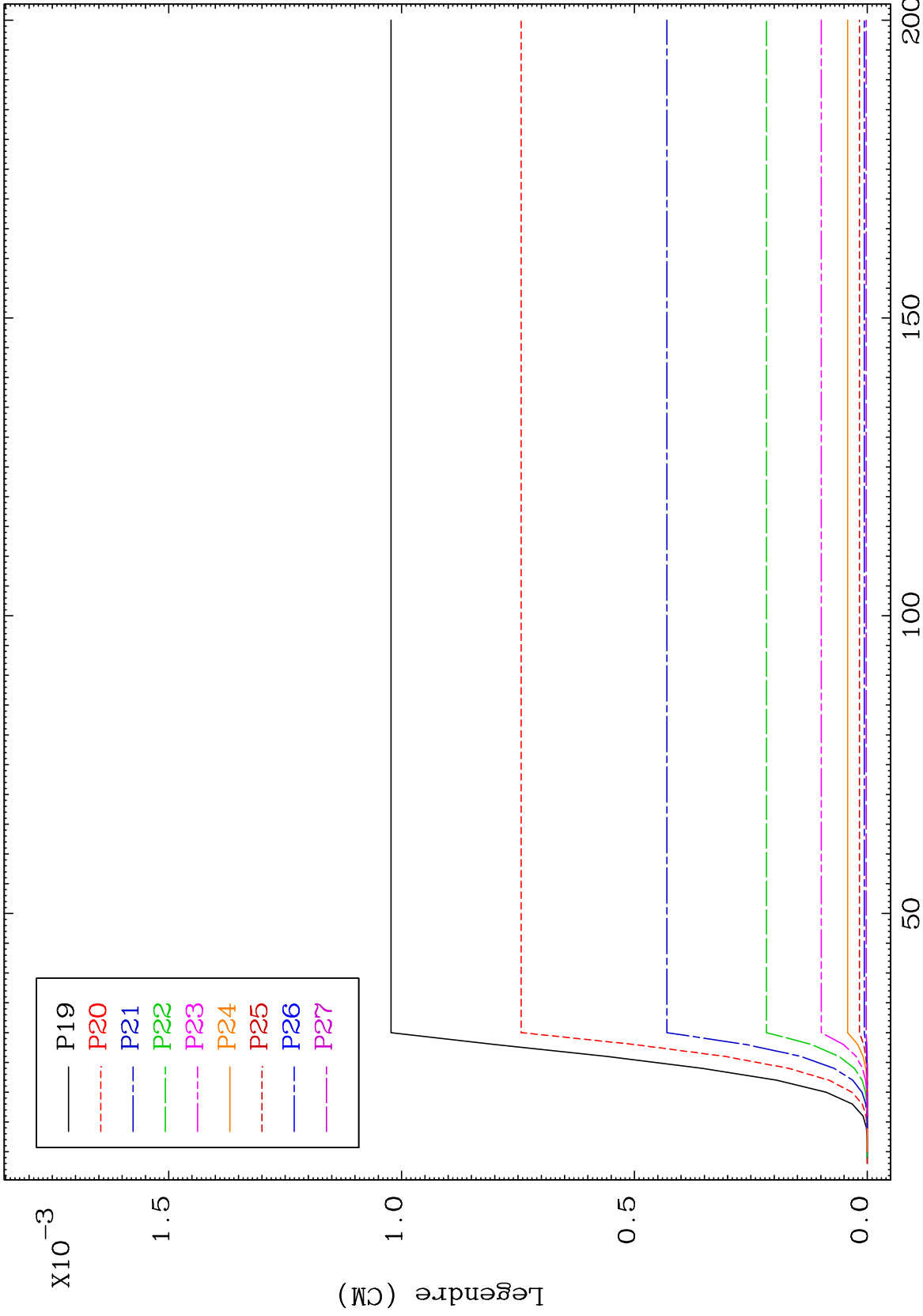
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



55

Incident Energy (MeV)

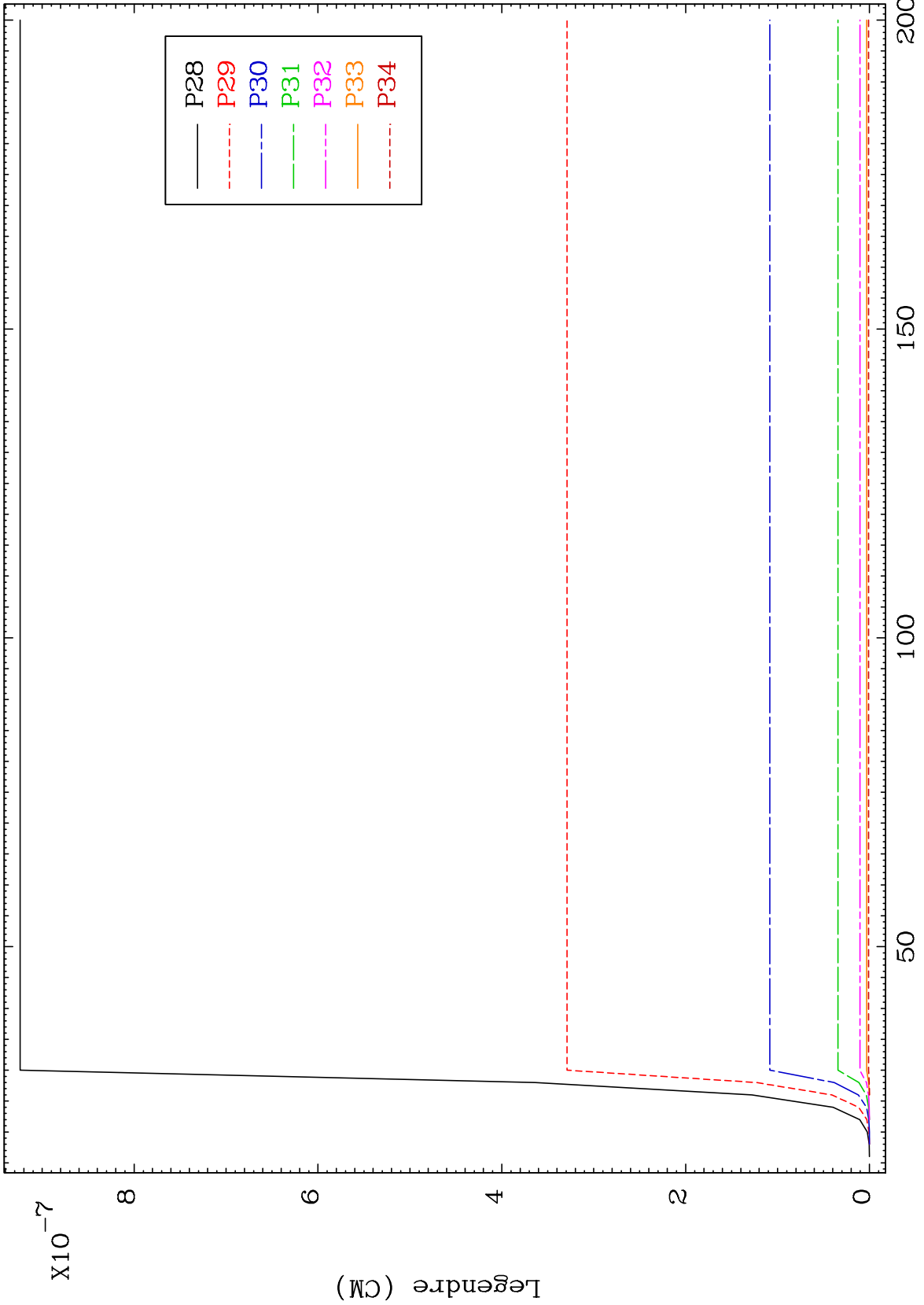
49-In-111



MAT 4919

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

49-In-111

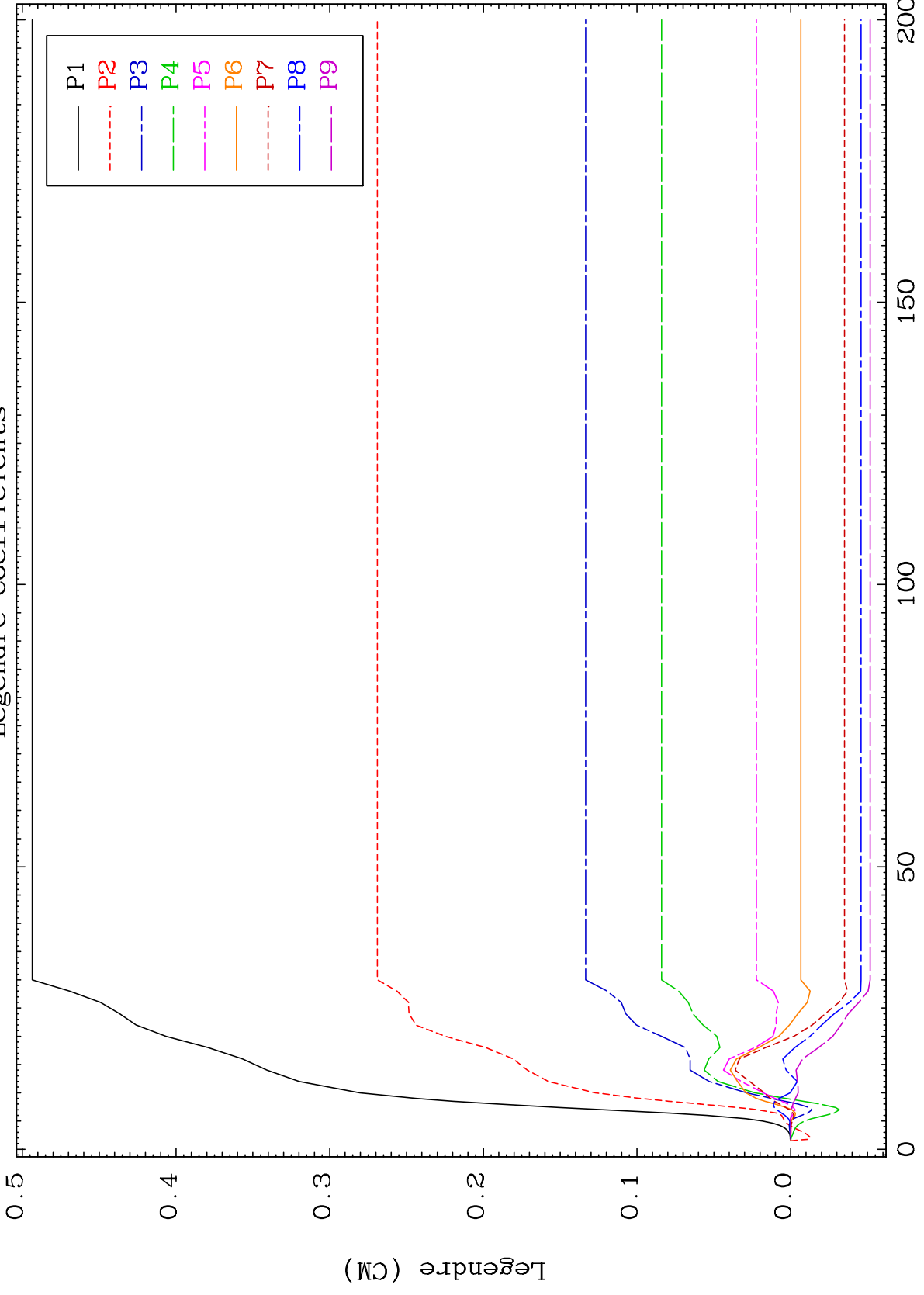


56

Incident Energy (MeV)

49-In-111

MAT 4919 MT= 61 (n,n') Level Legendre Coefficients 49-In-111

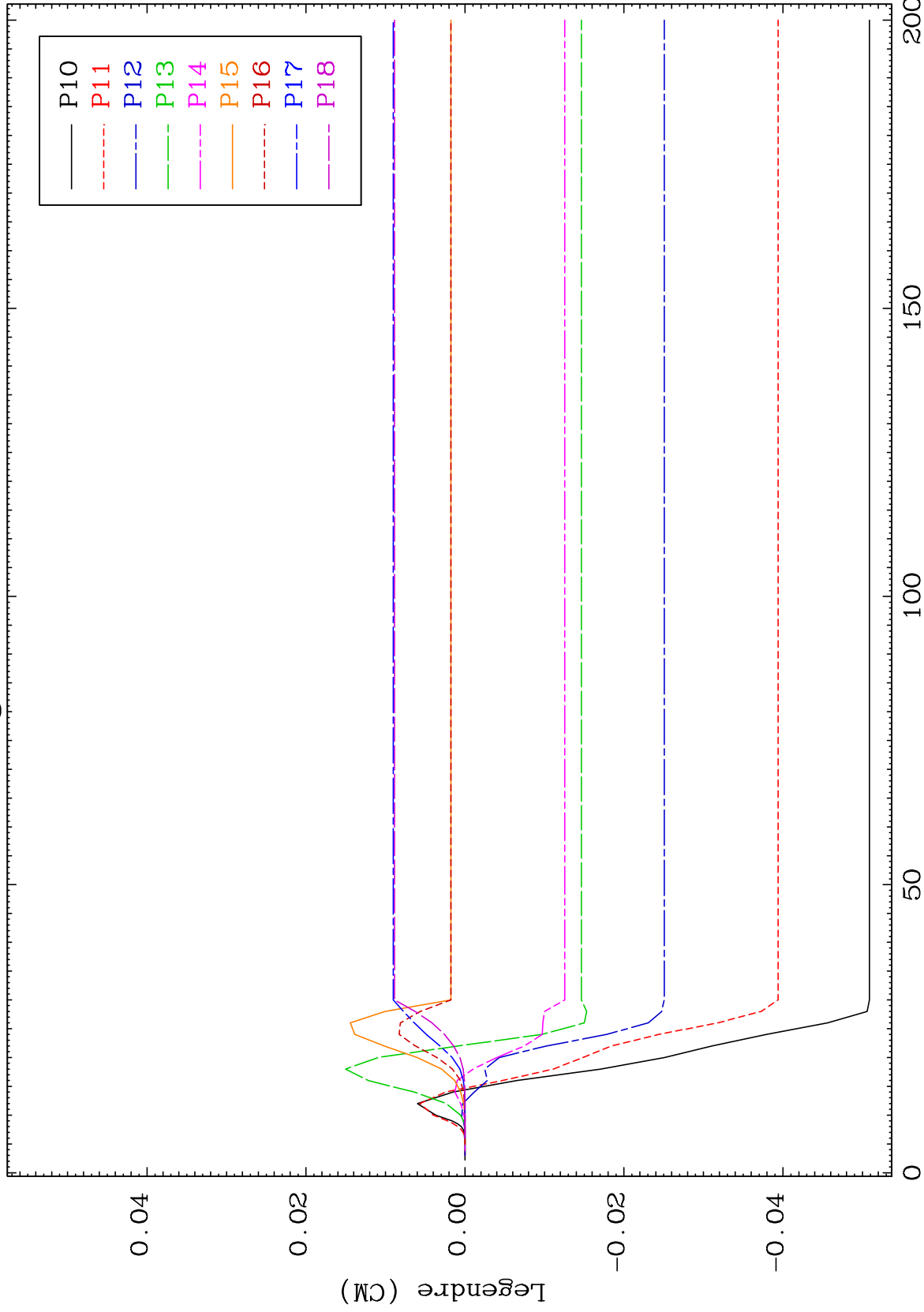


57 Incident Energy (MeV) 49-In-111

MAT 4919

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

49-In-111



58

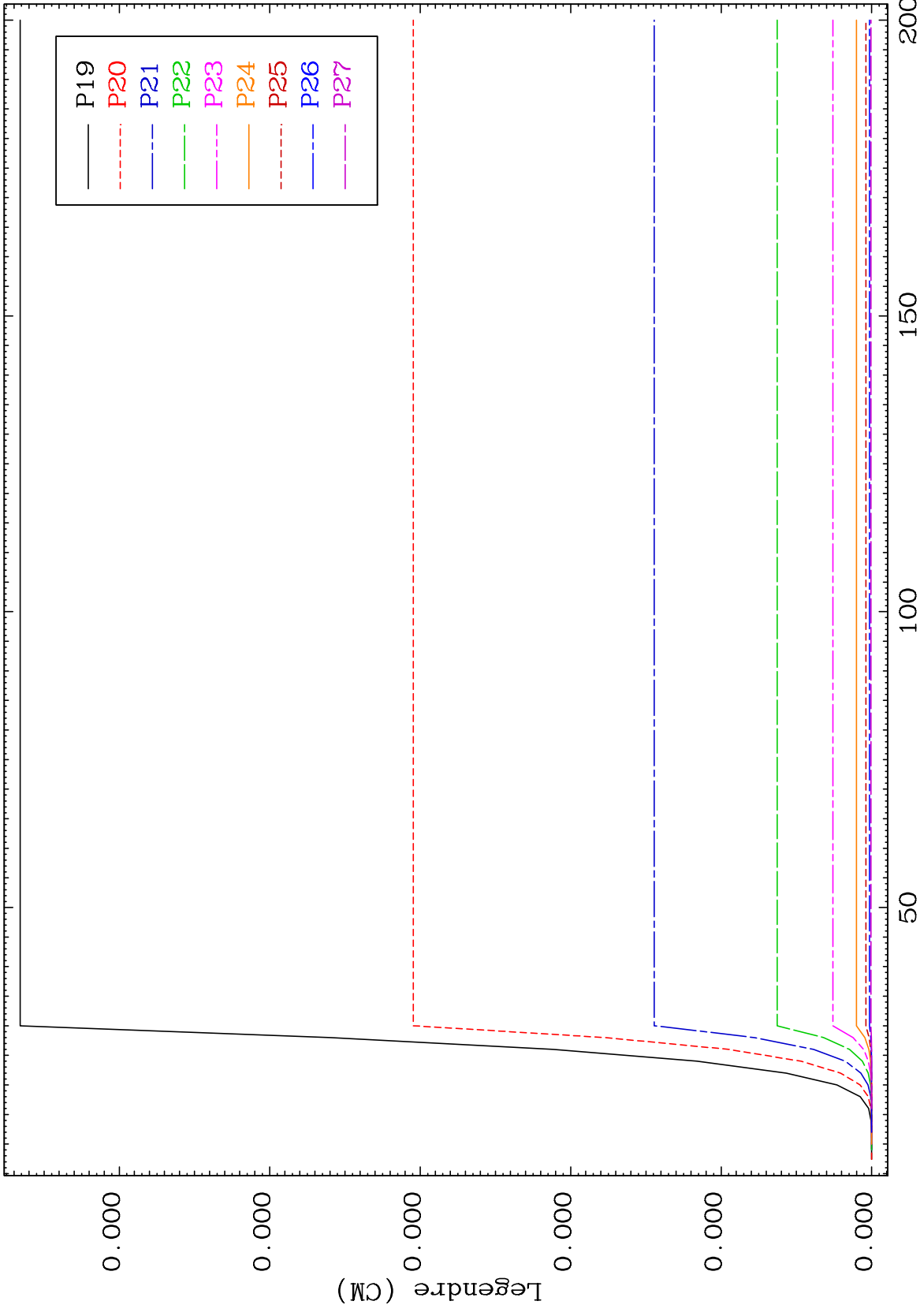
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



59

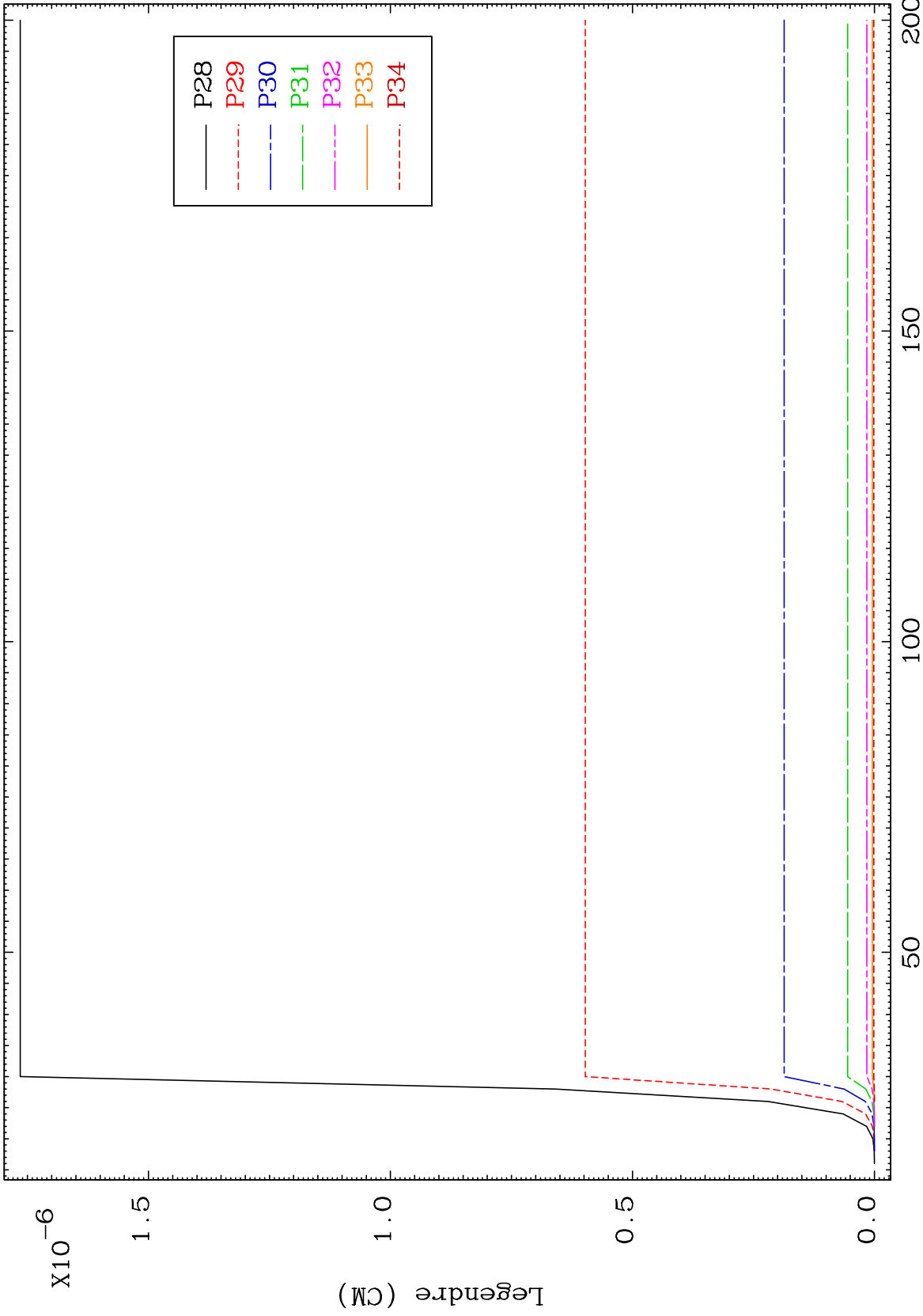
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



60

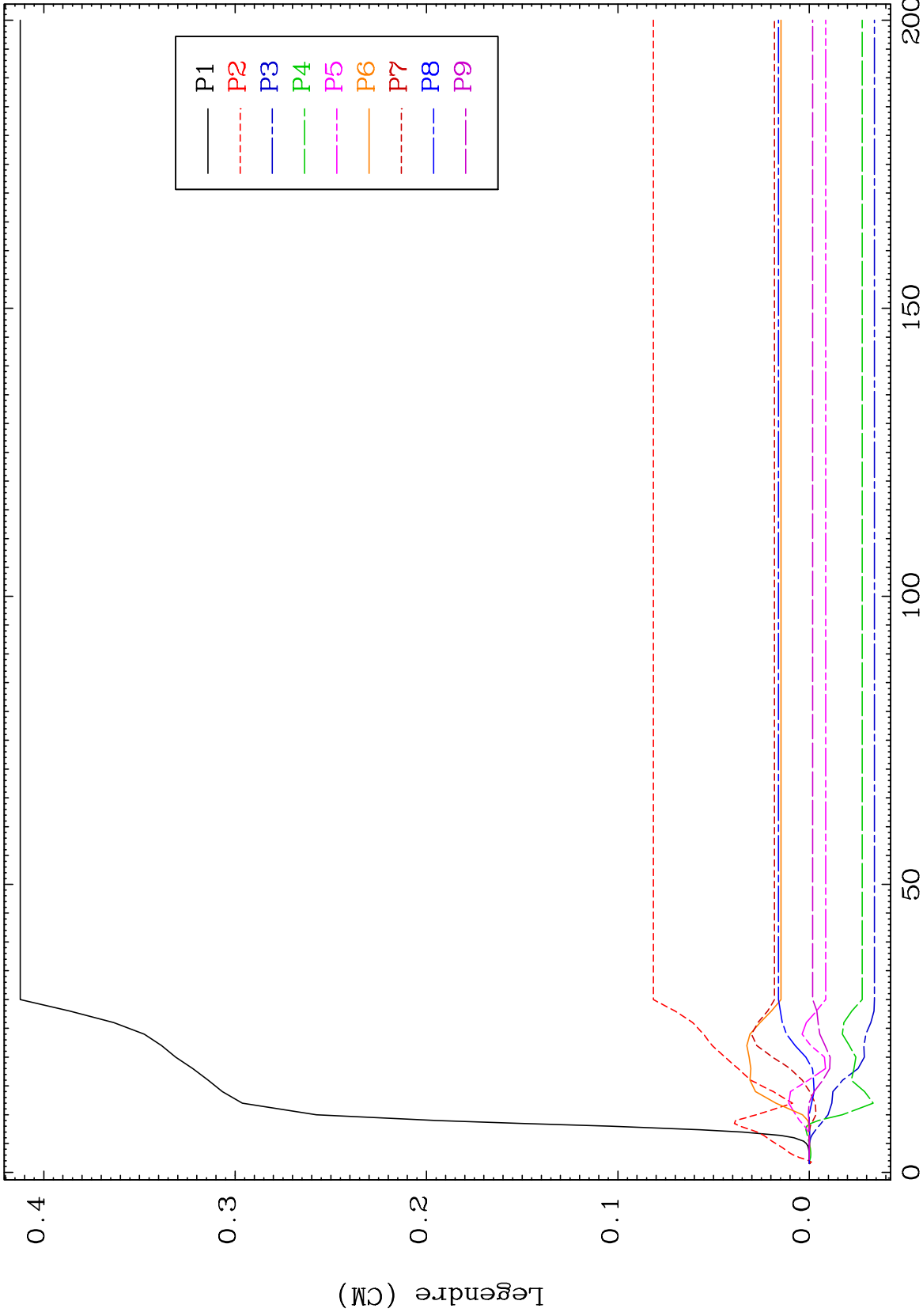
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



61

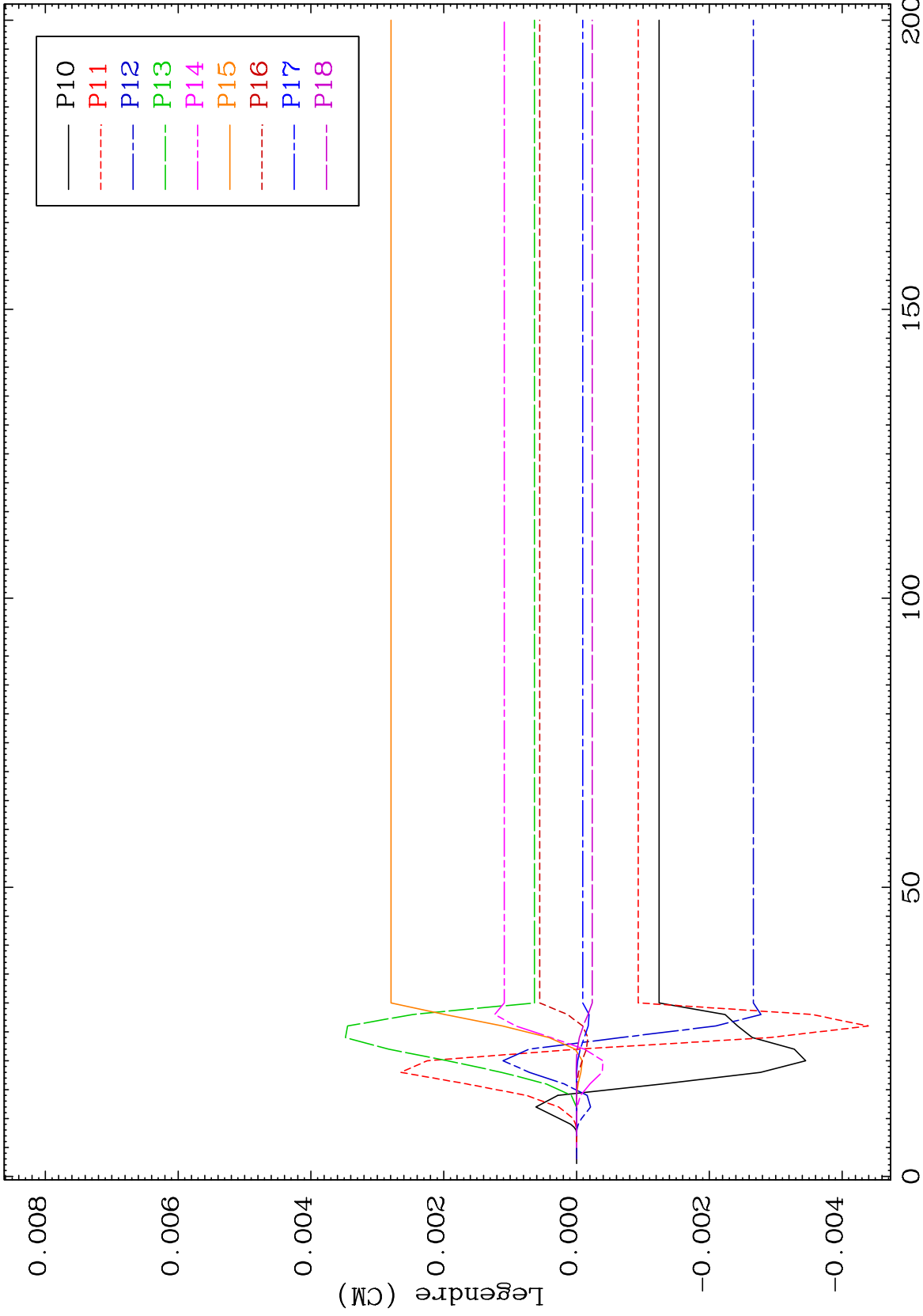
Incident Energy (MeV)

49-In-111

MAT 4919

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

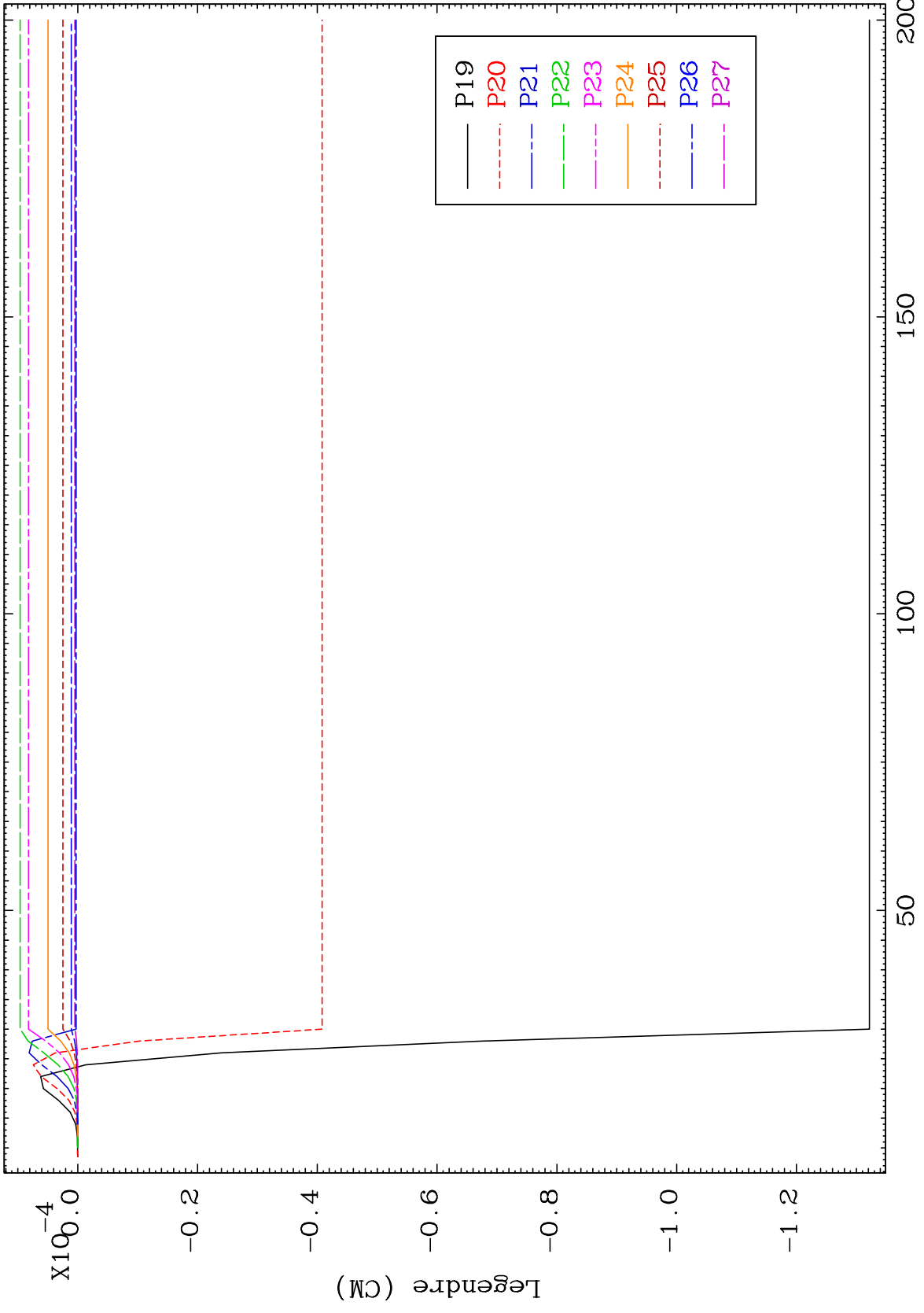
49-In-111



62

Incident Energy (MeV)

49-In-111

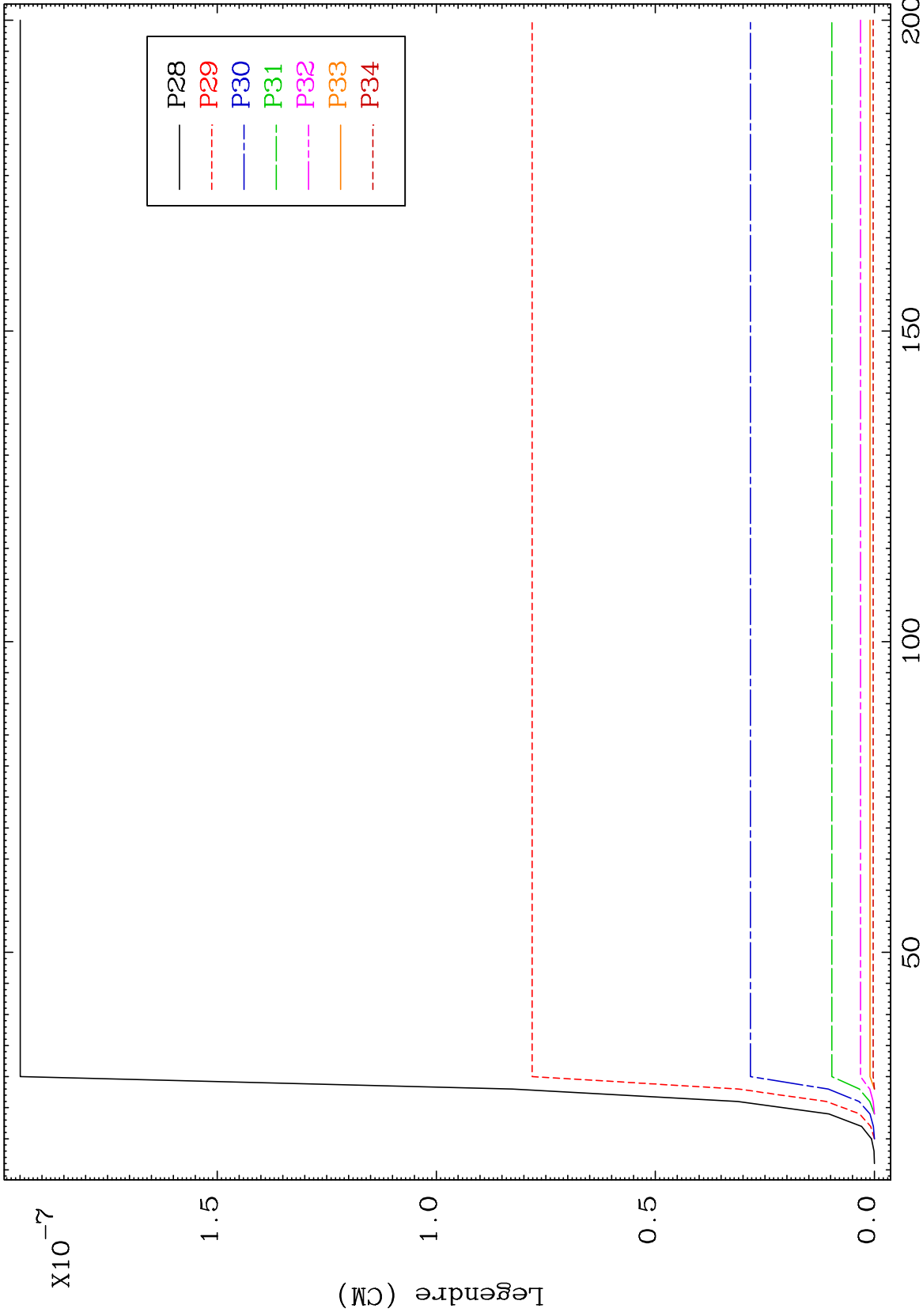




MAT 4919

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

49-In-111



64

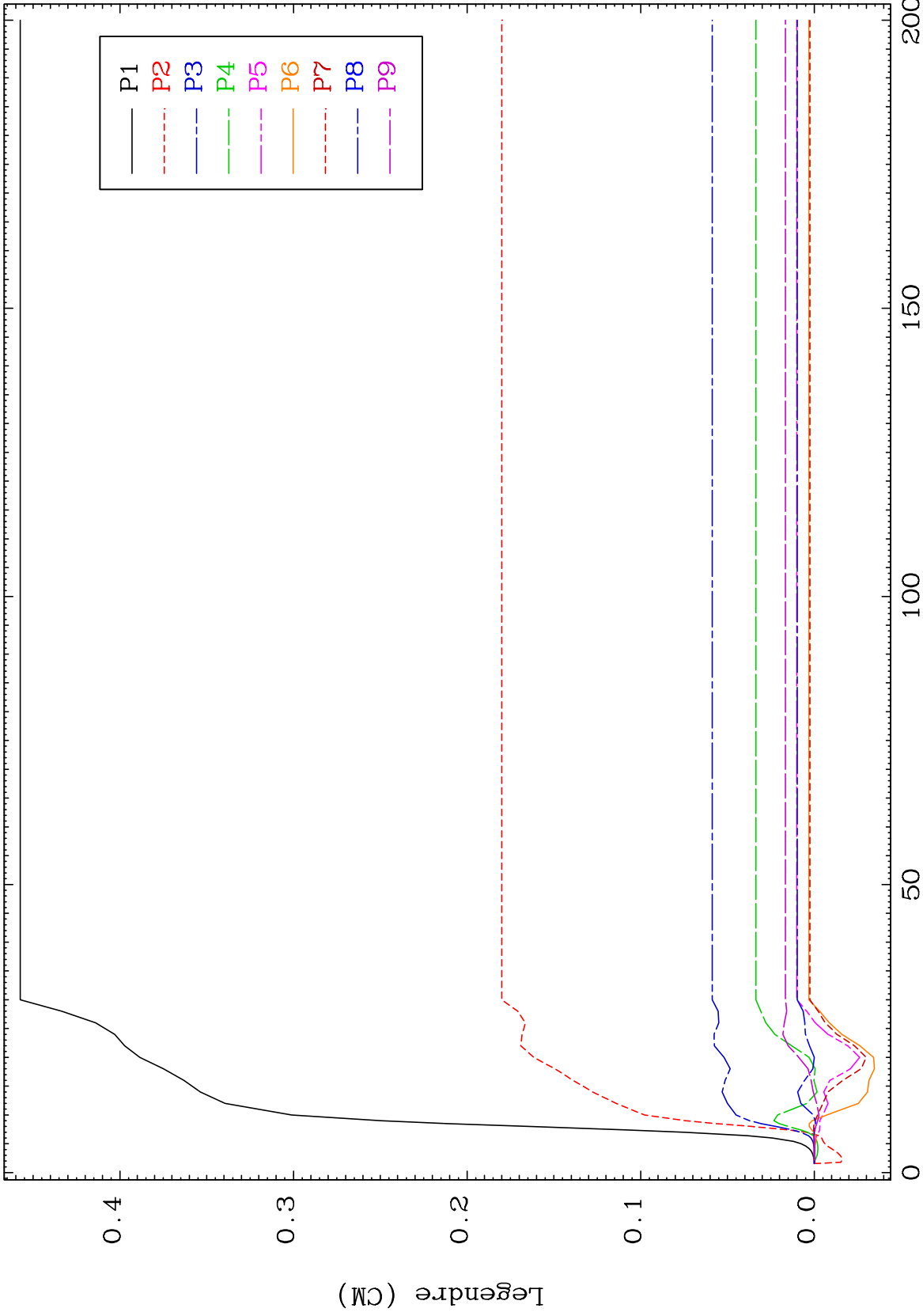
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



65

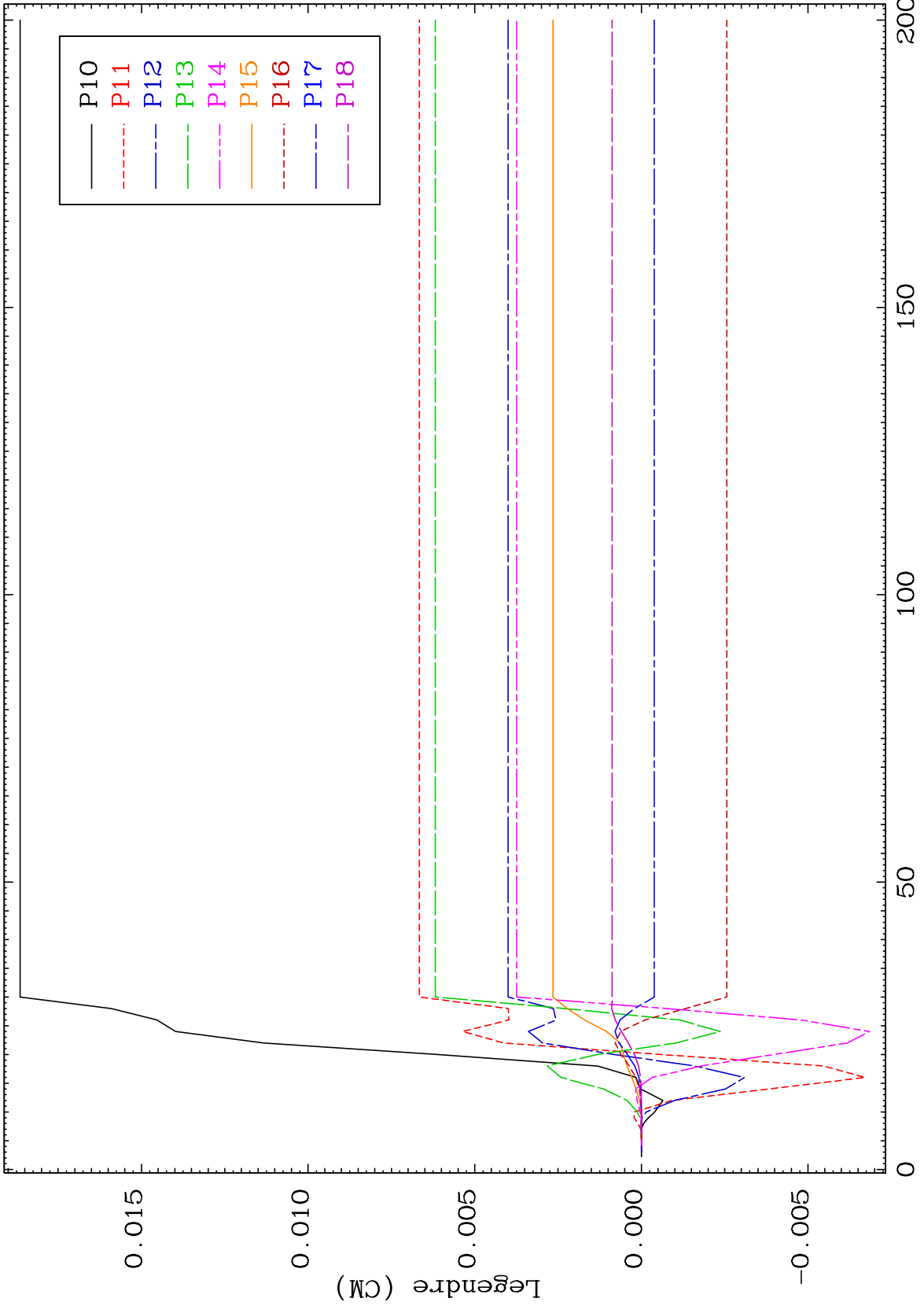
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



66

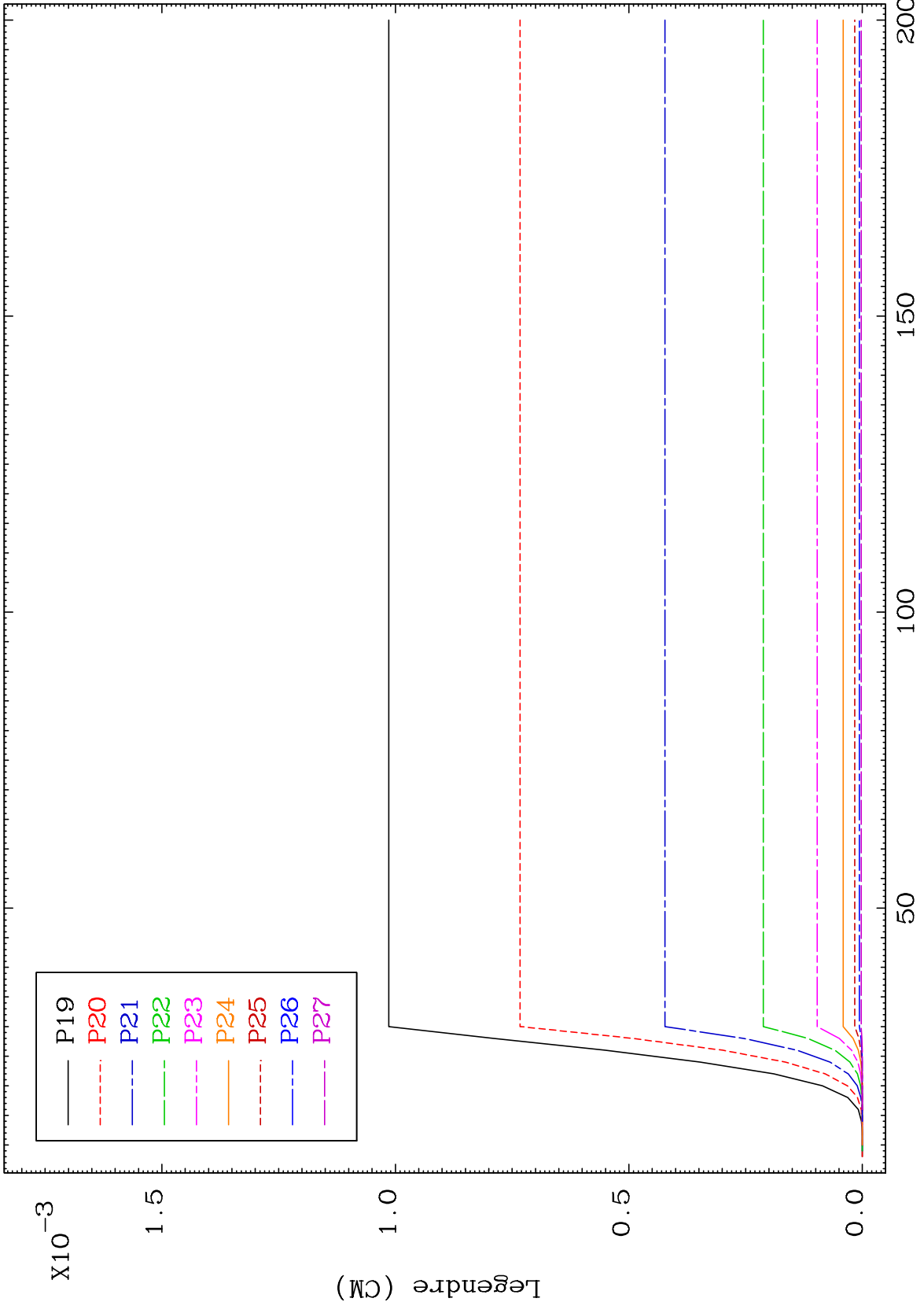
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



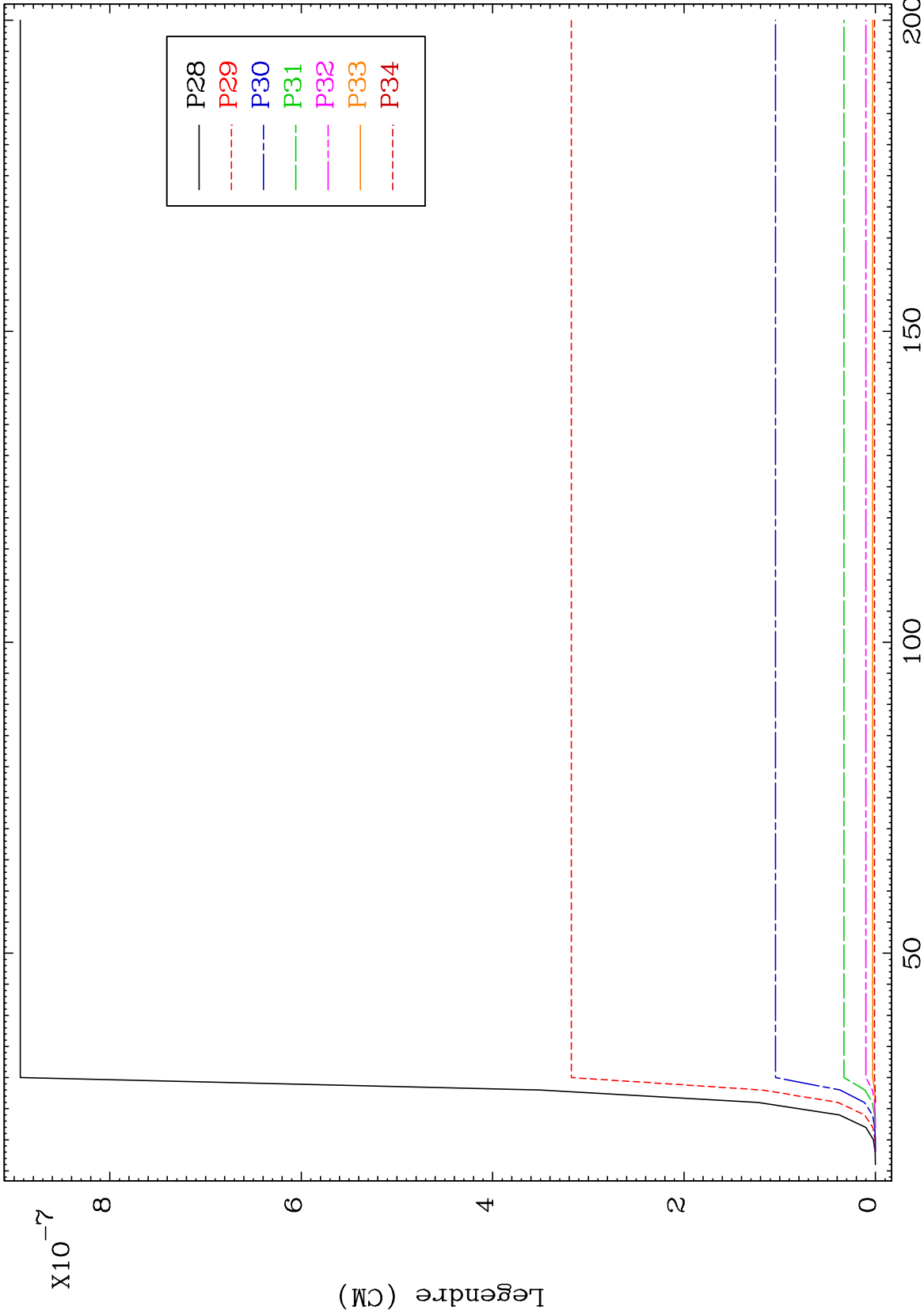
67

49-In-111

MAT 4919

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

49-In-111



68

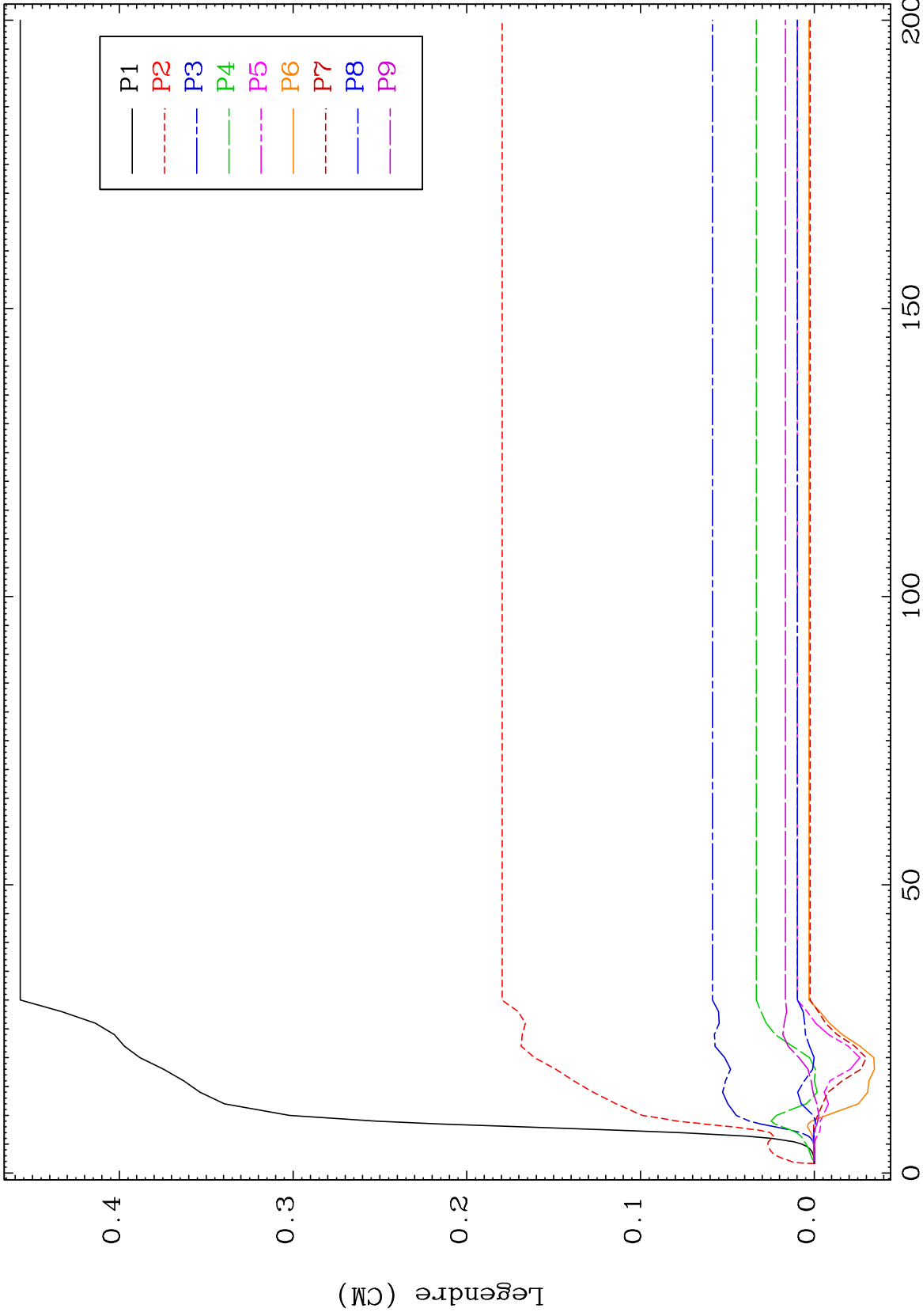
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



69

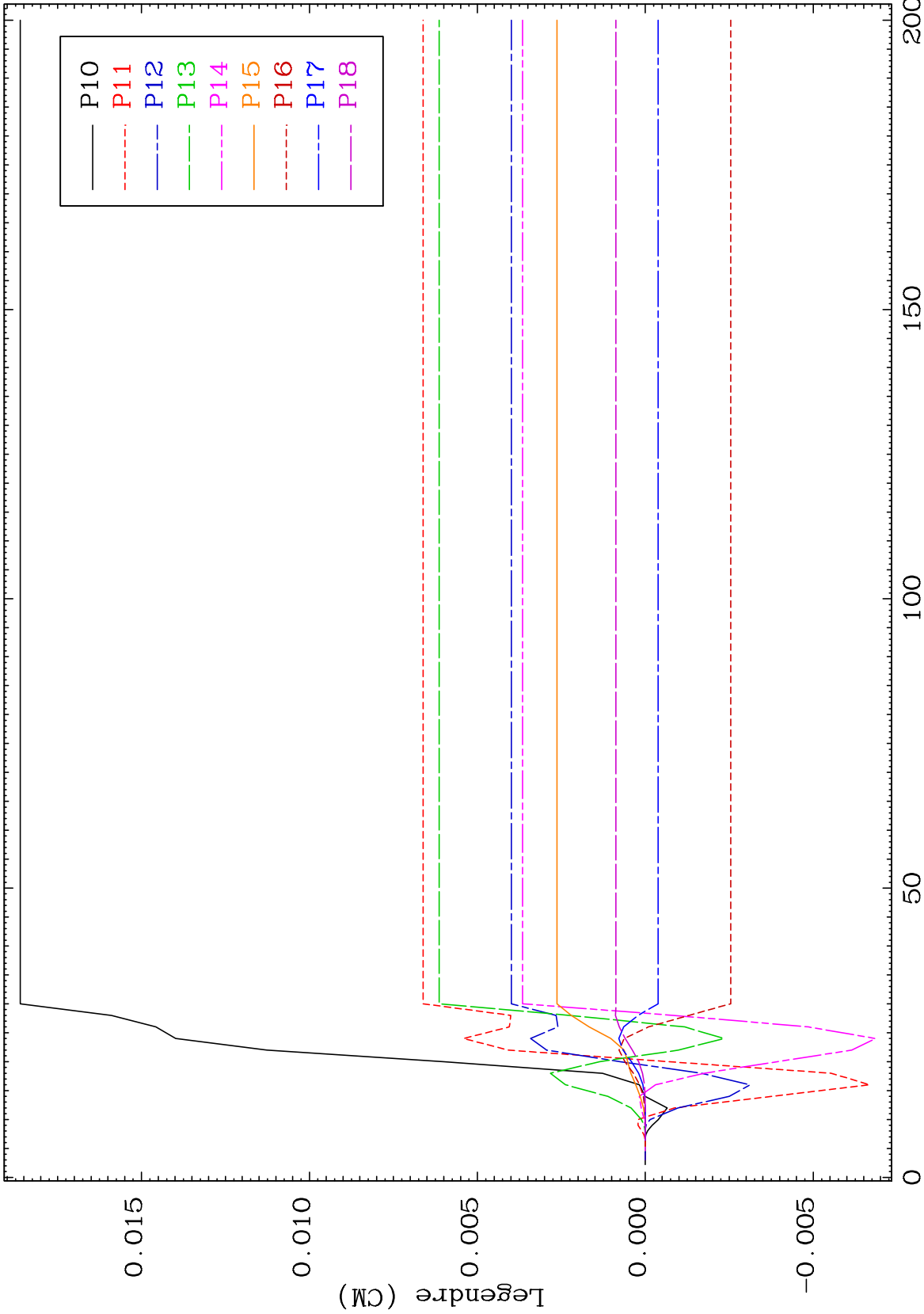
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



70

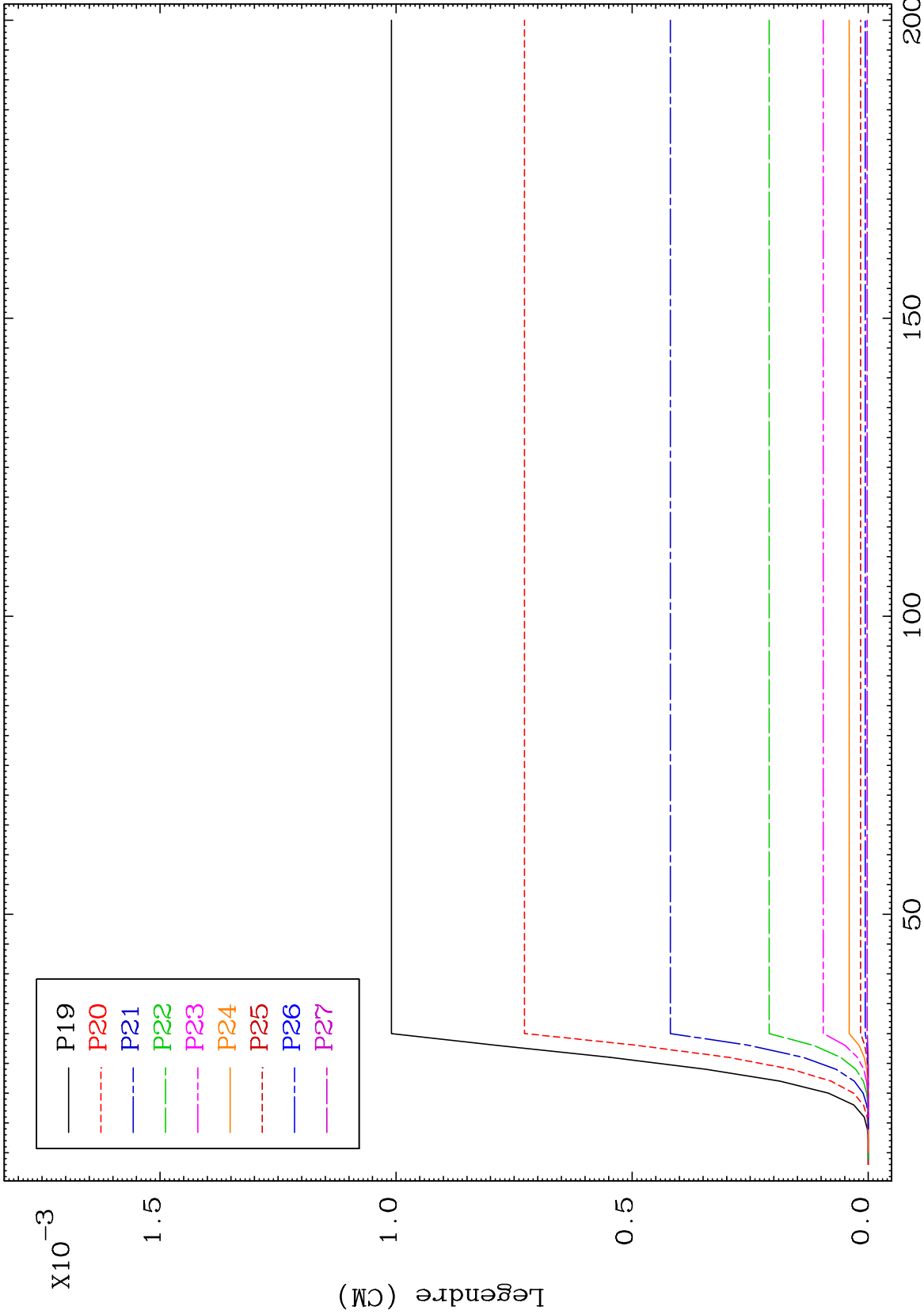
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



71

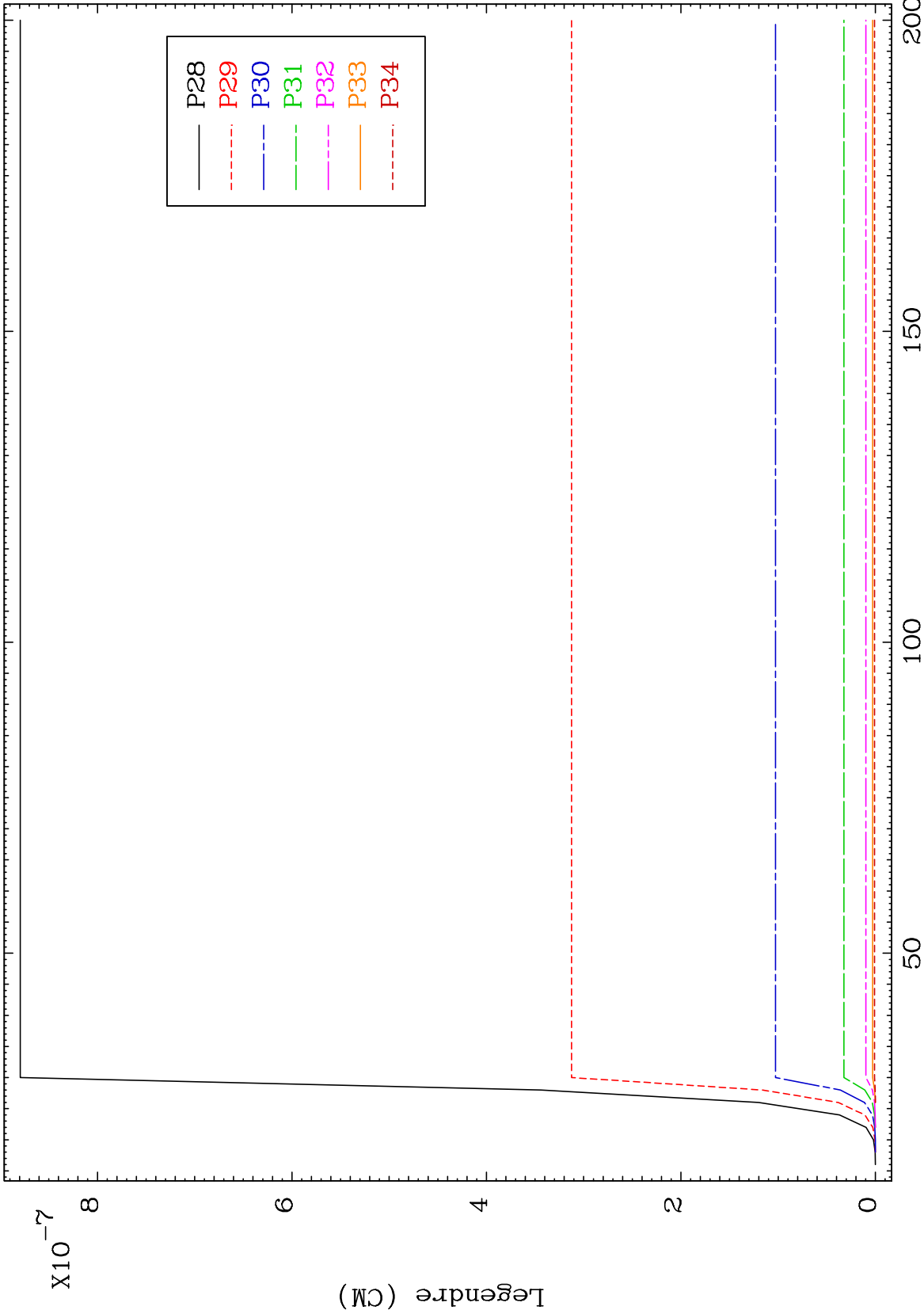
49-In-111



MAT 4919

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

49-In-111



72

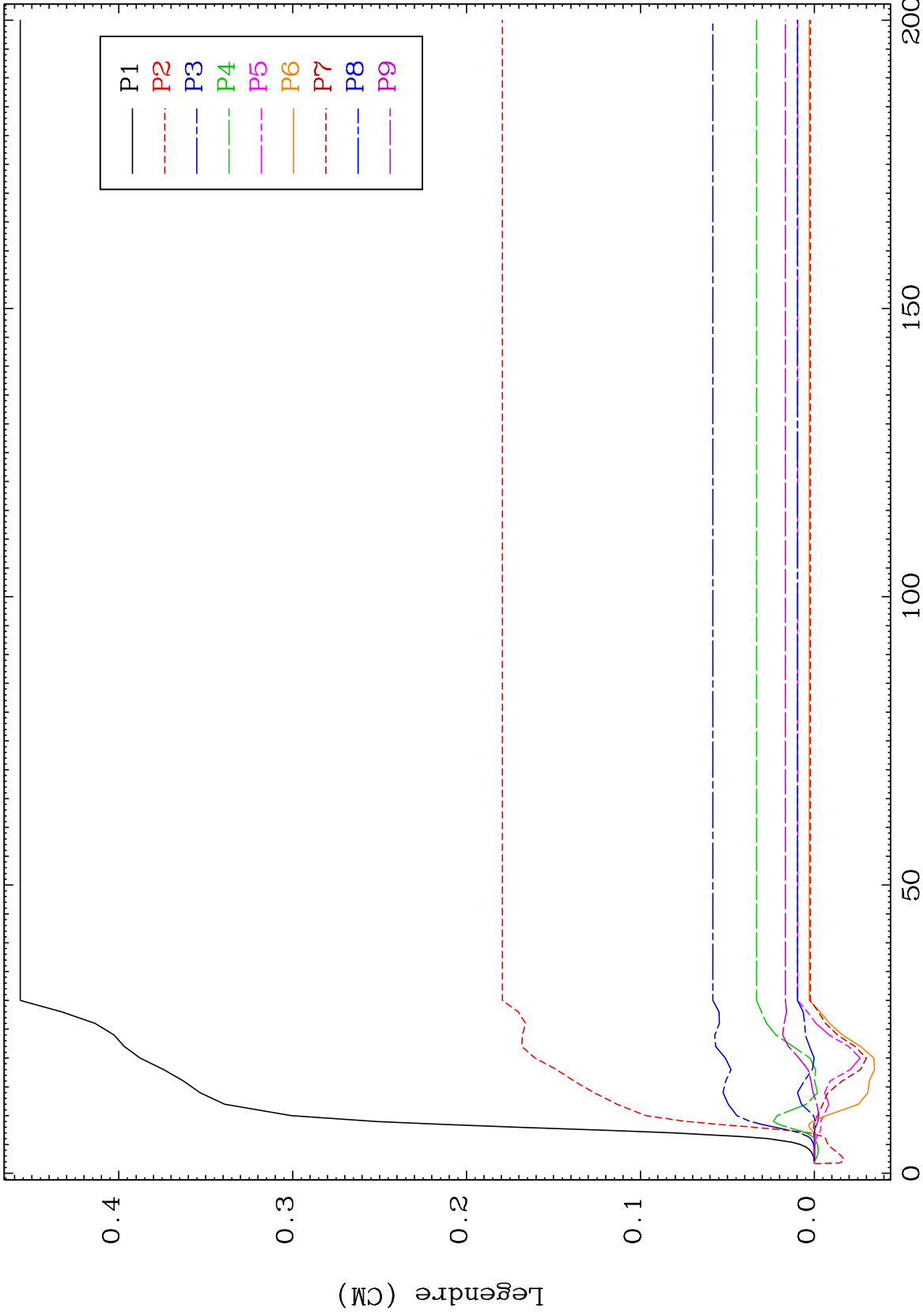
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



73

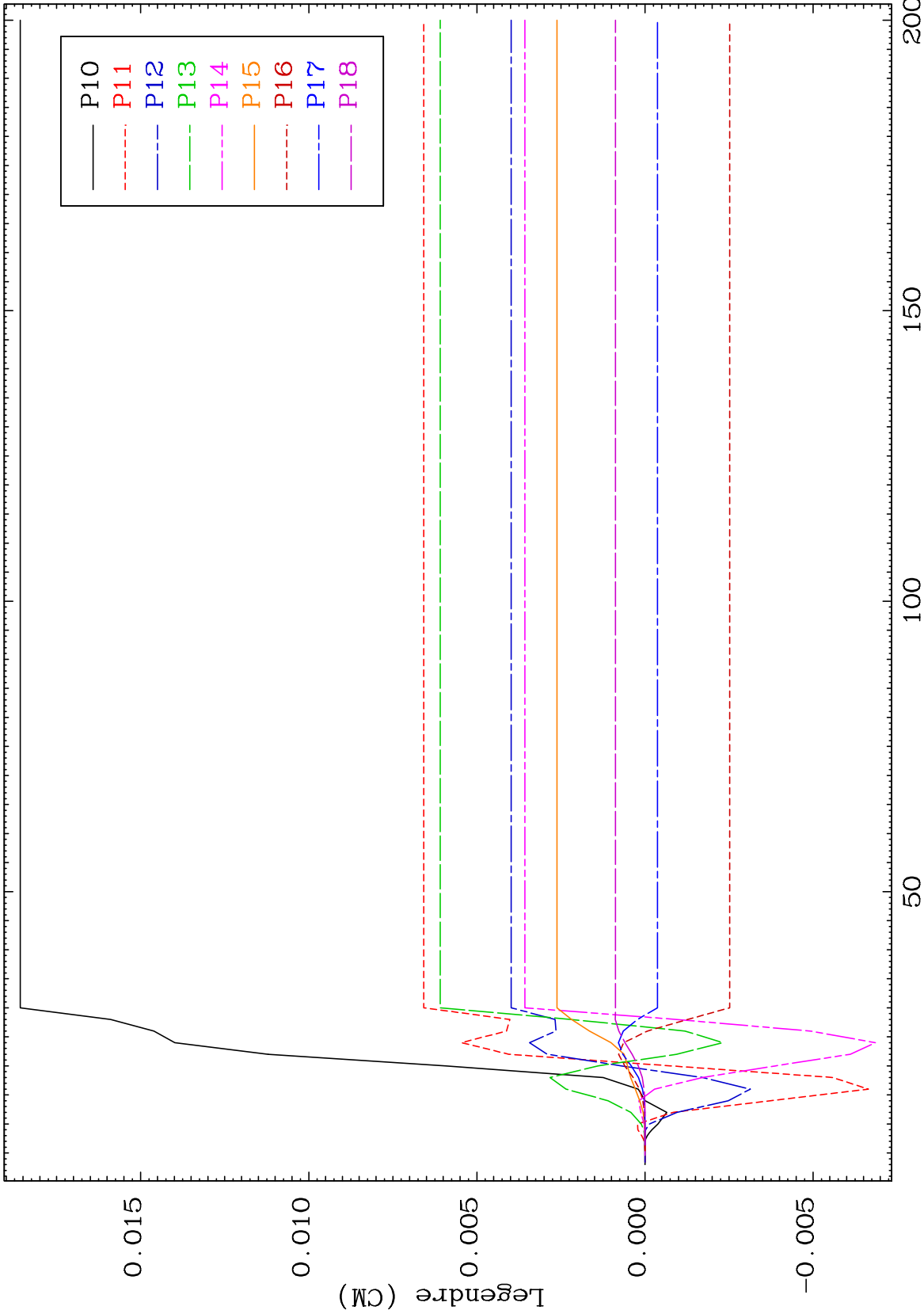
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



74

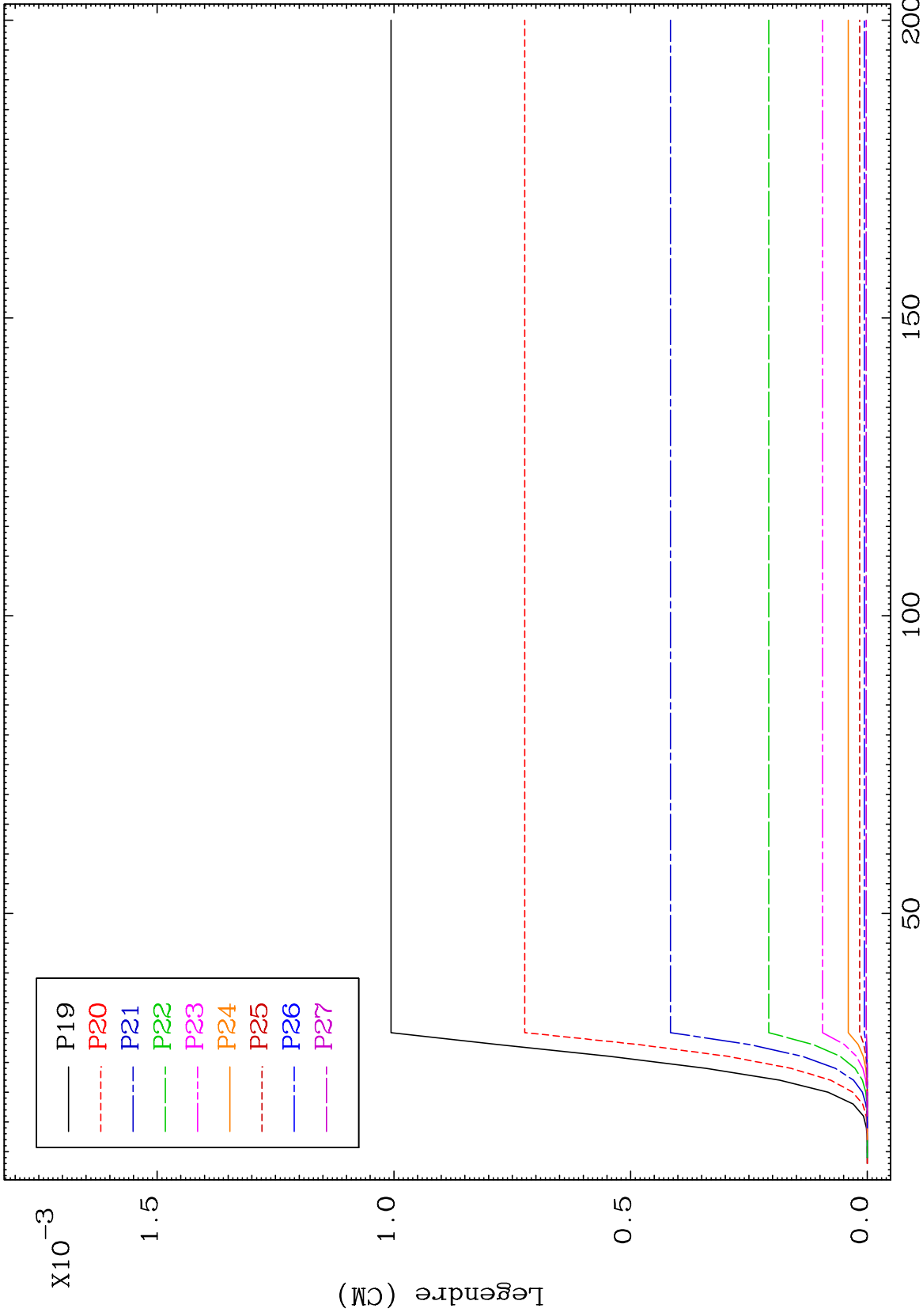
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



75

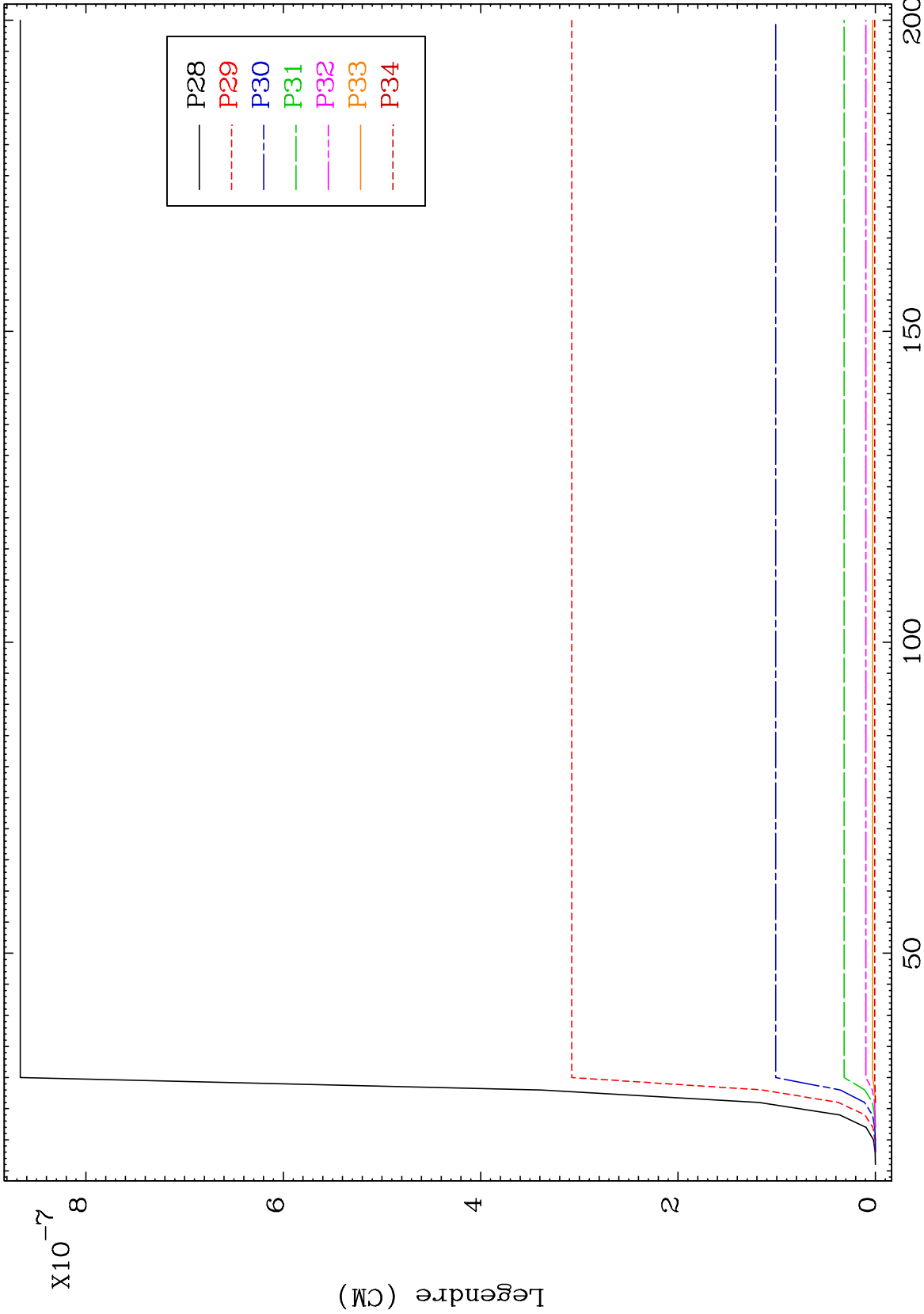
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111

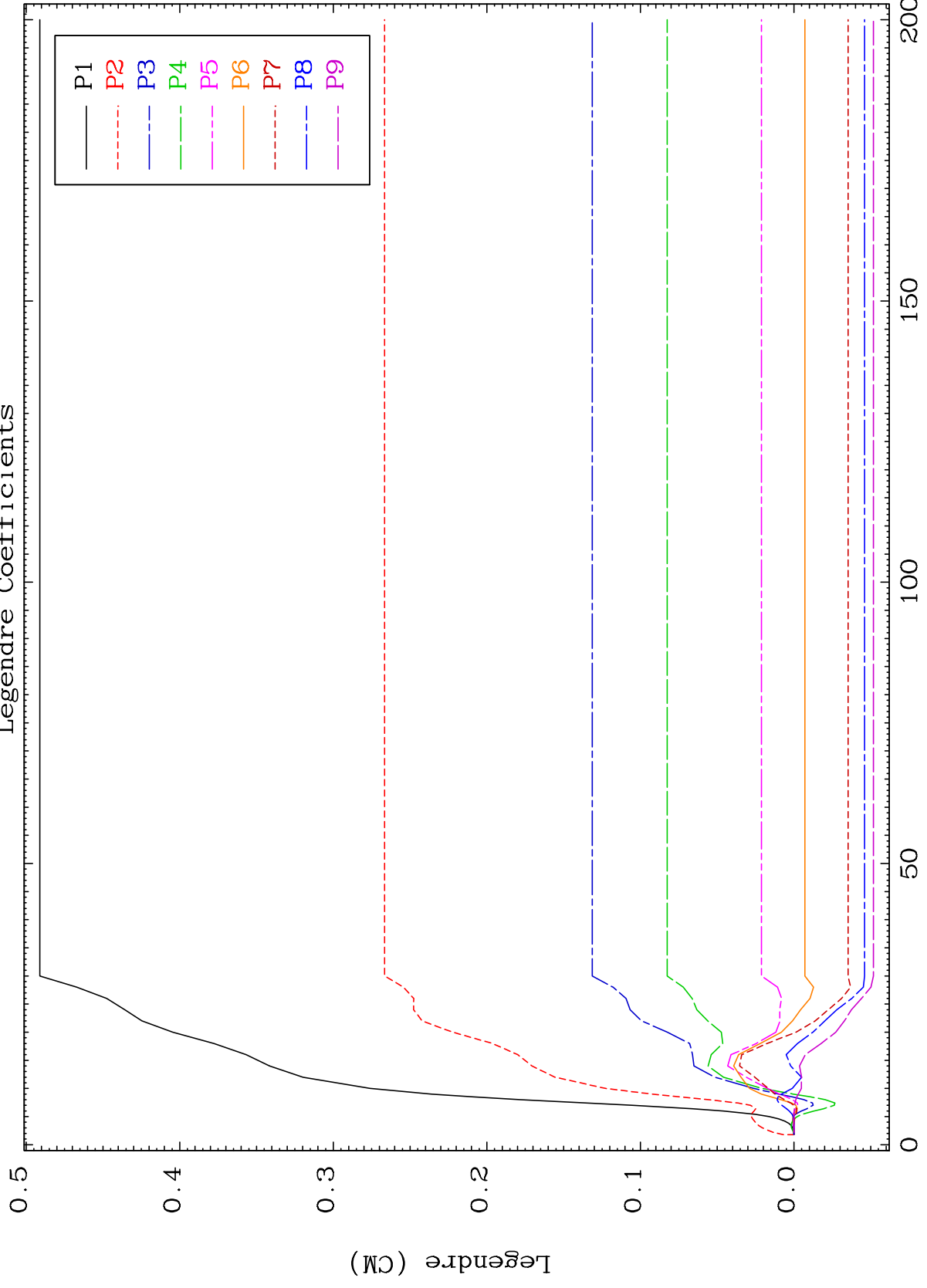


76

Incident Energy (MeV)

49-In-111

MAT 4919 MT= 66 (n,n') Level Legendre Coefficients 49-In-111

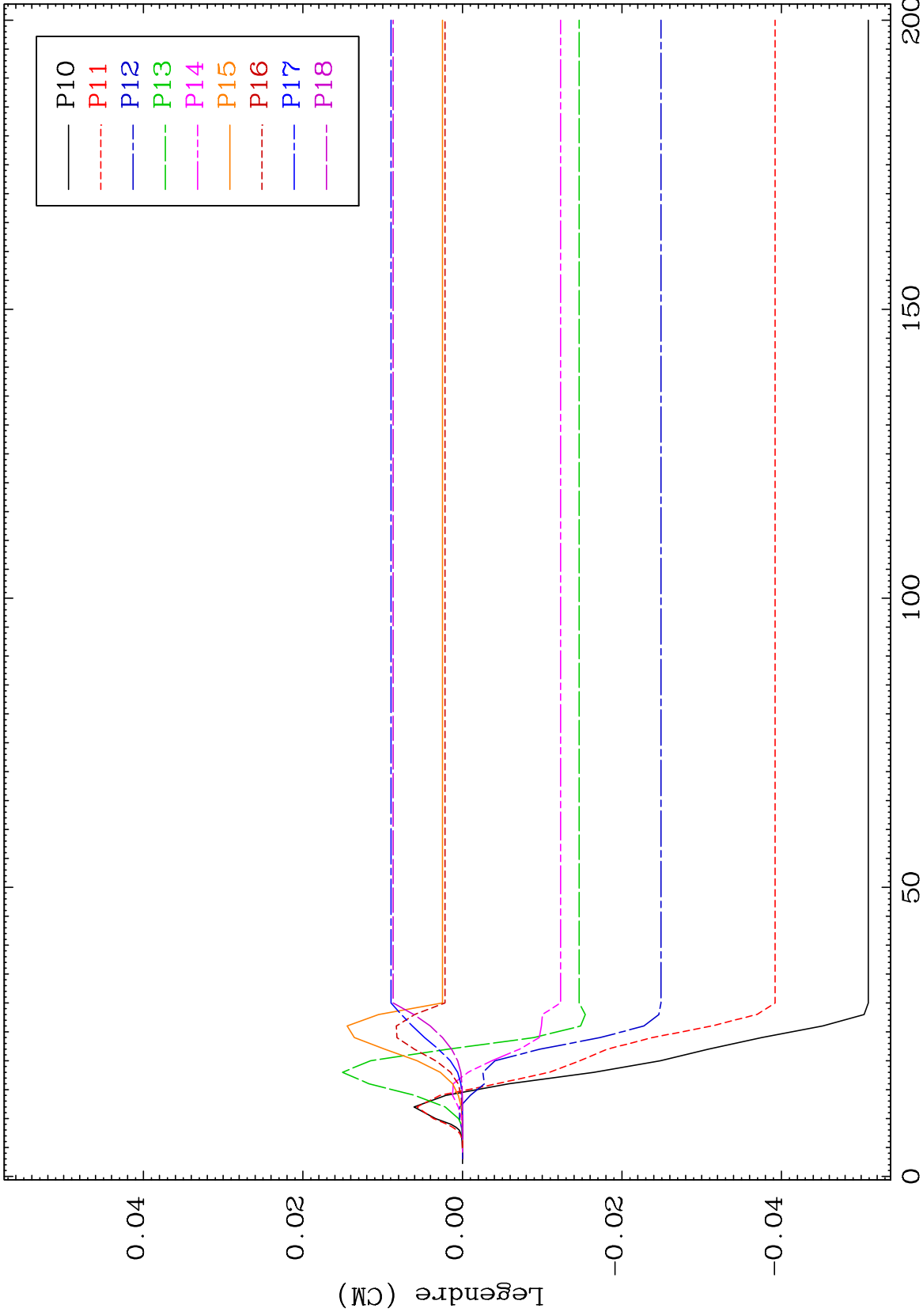


77 49-In-111

MAT 4919

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

49-In-111



78

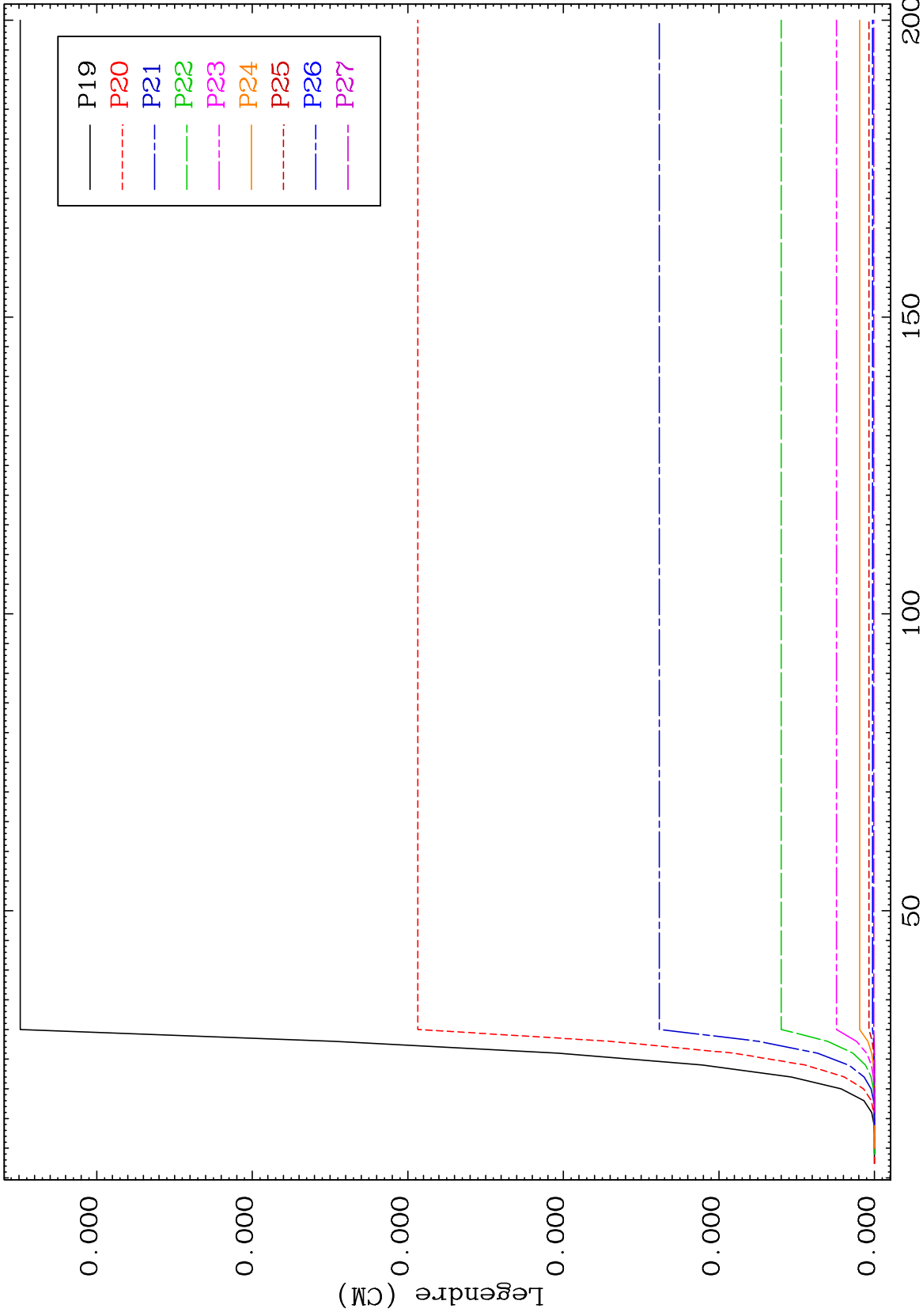
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



79

Incident Energy (MeV)

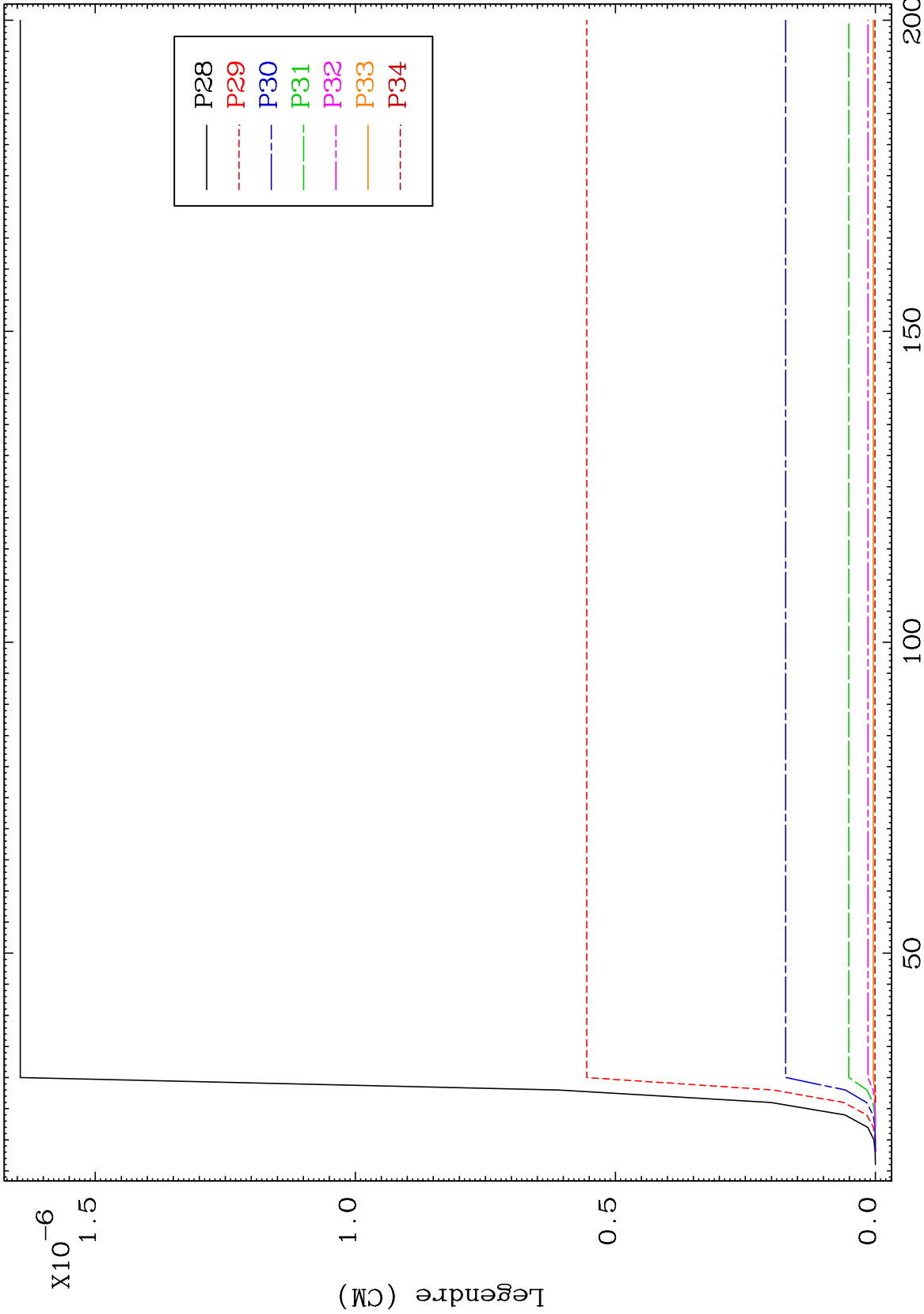
49-In-111



MAT 4919

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

49-In-111



80

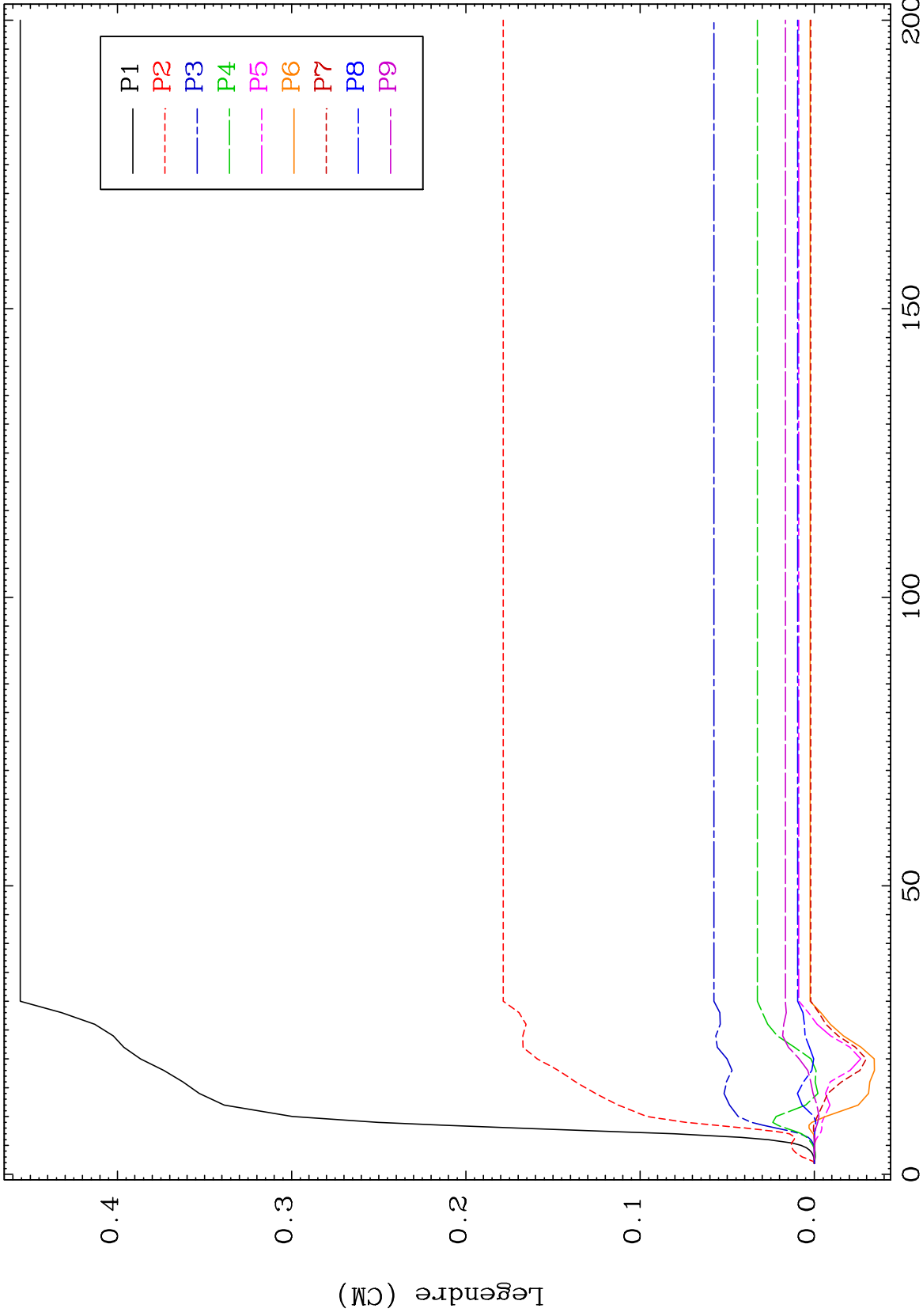
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



81

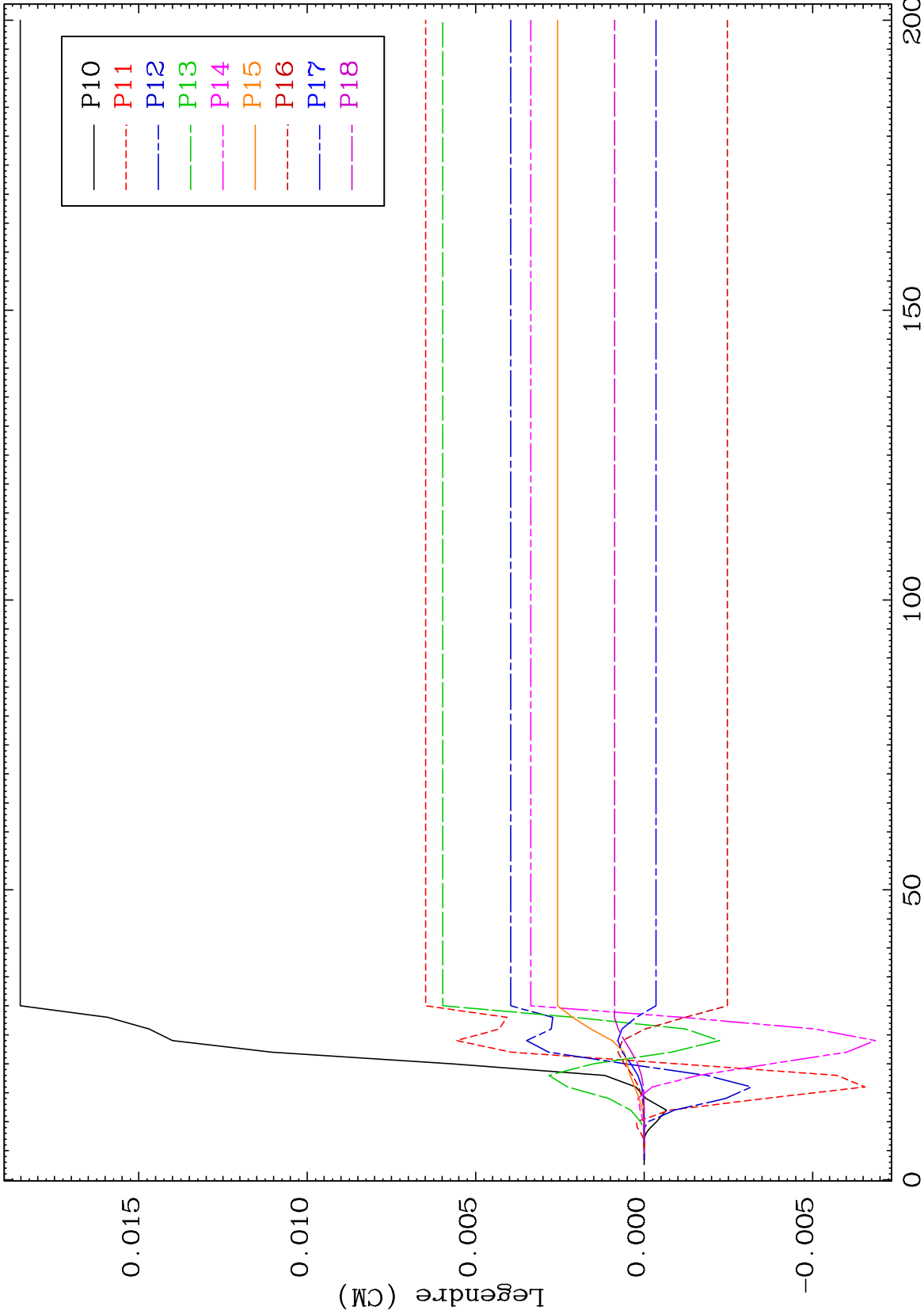
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



82

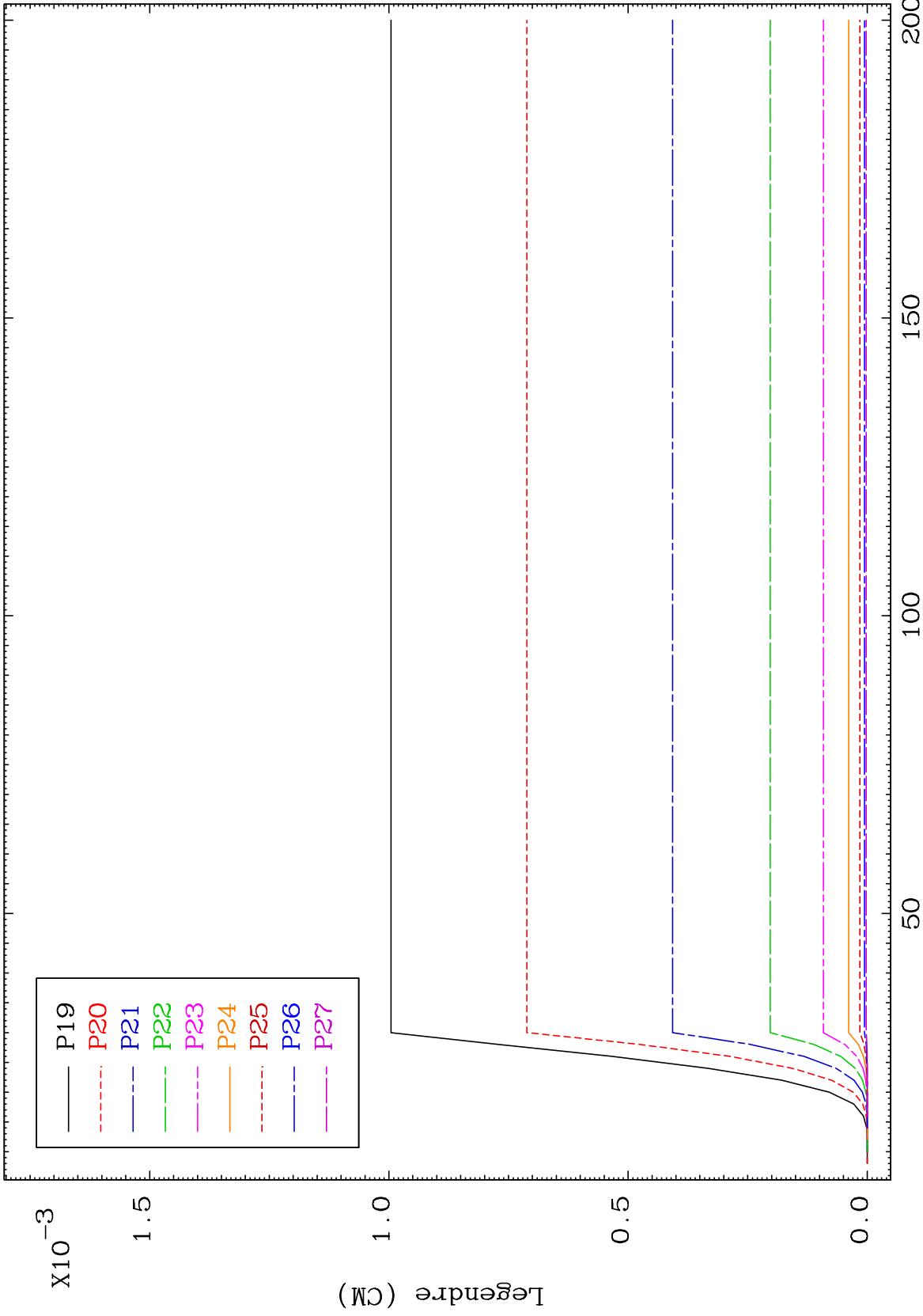
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



83

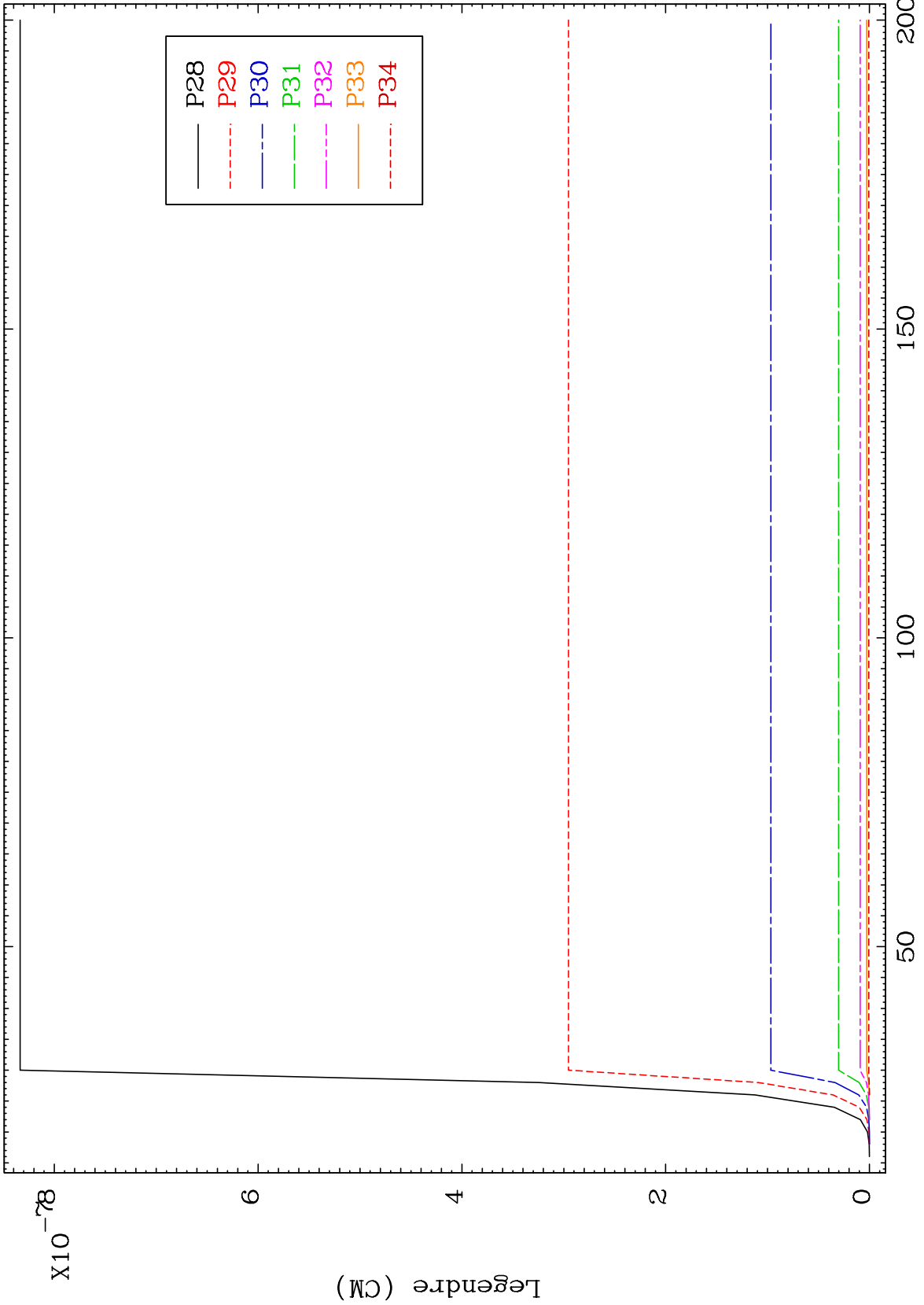
Incident Energy (MeV)

49-In-111

MAT 4919

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

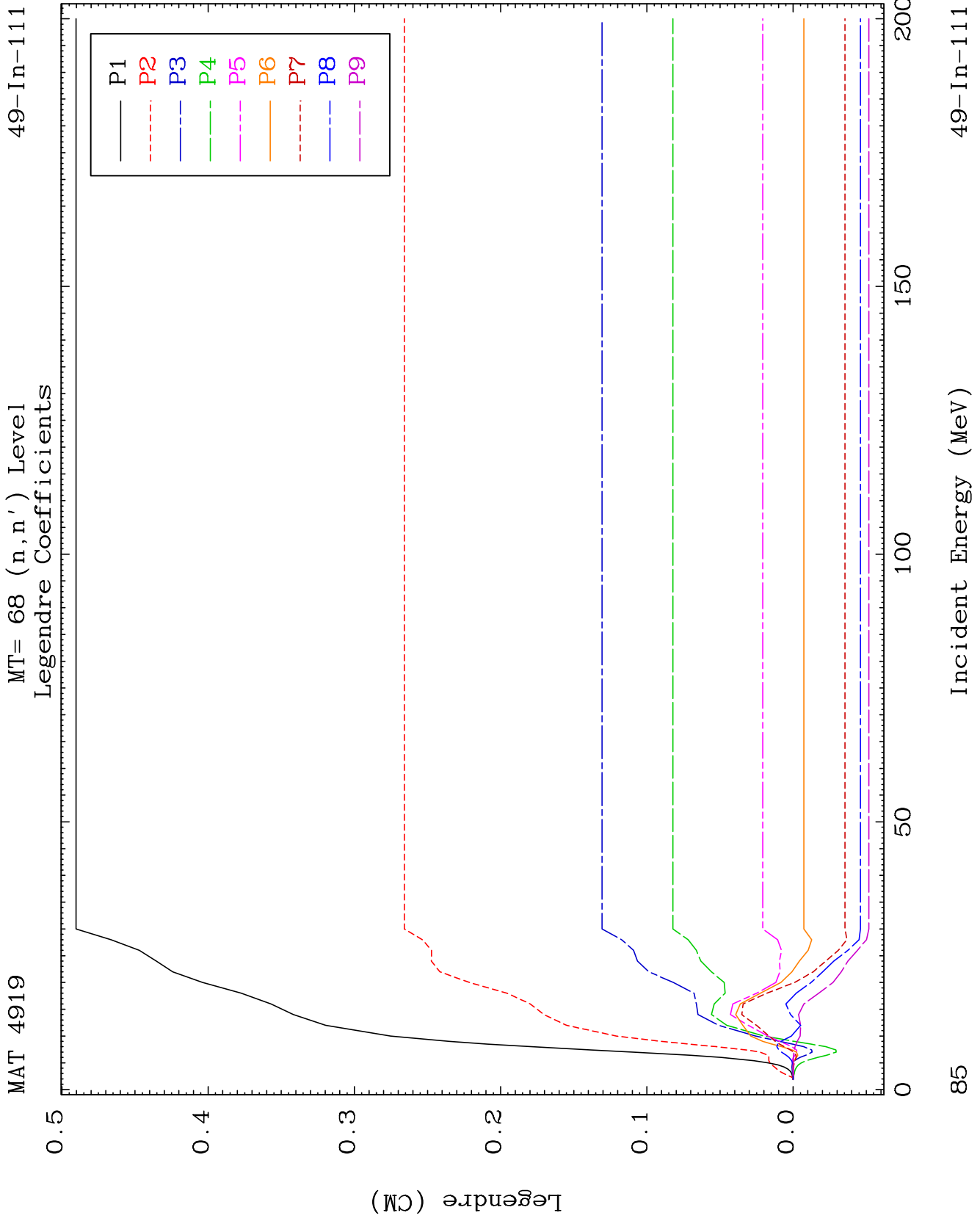
49-In-111



84

Incident Energy (MeV)

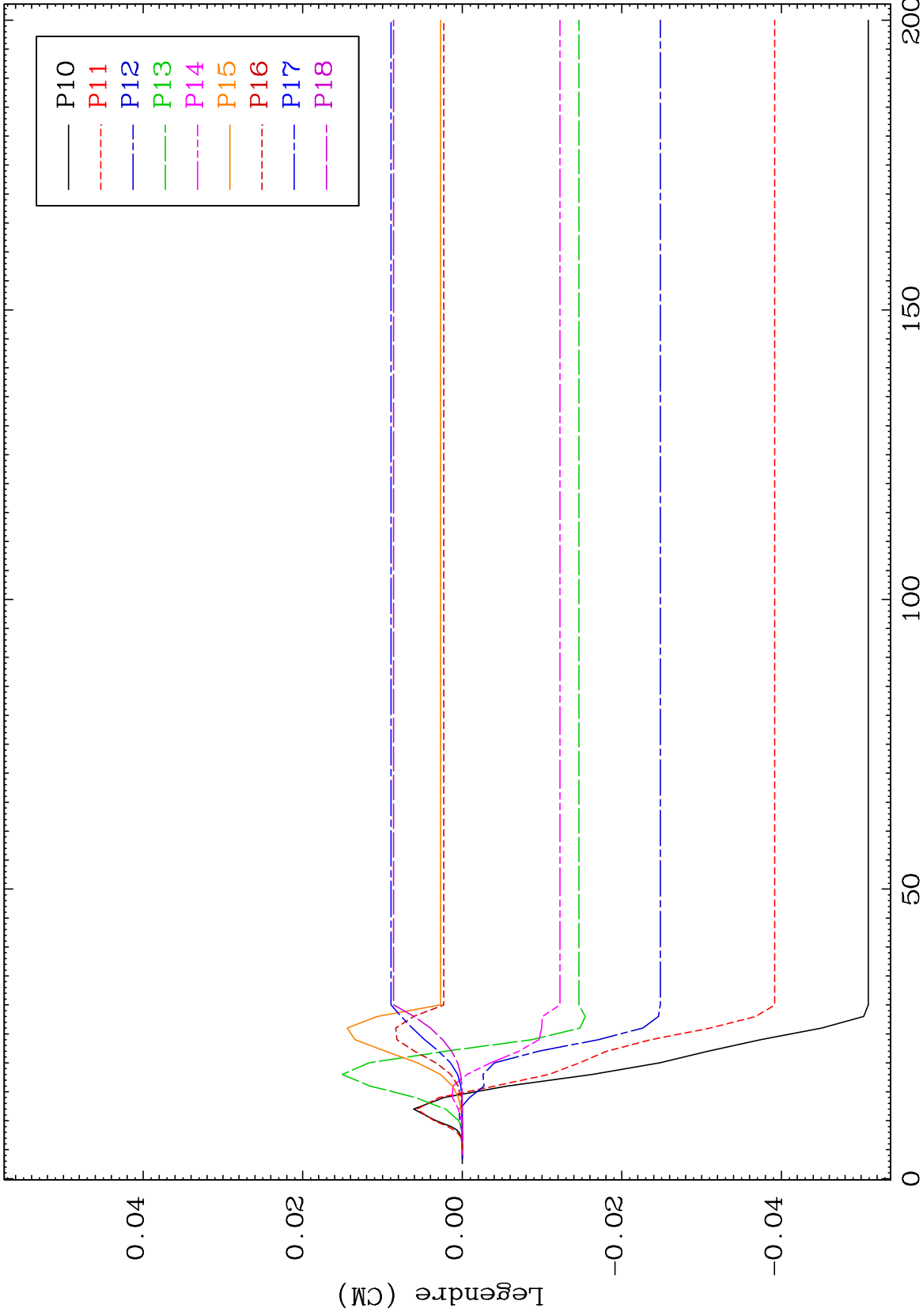
49-In-111



MAT 4919

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

49-In-111



86

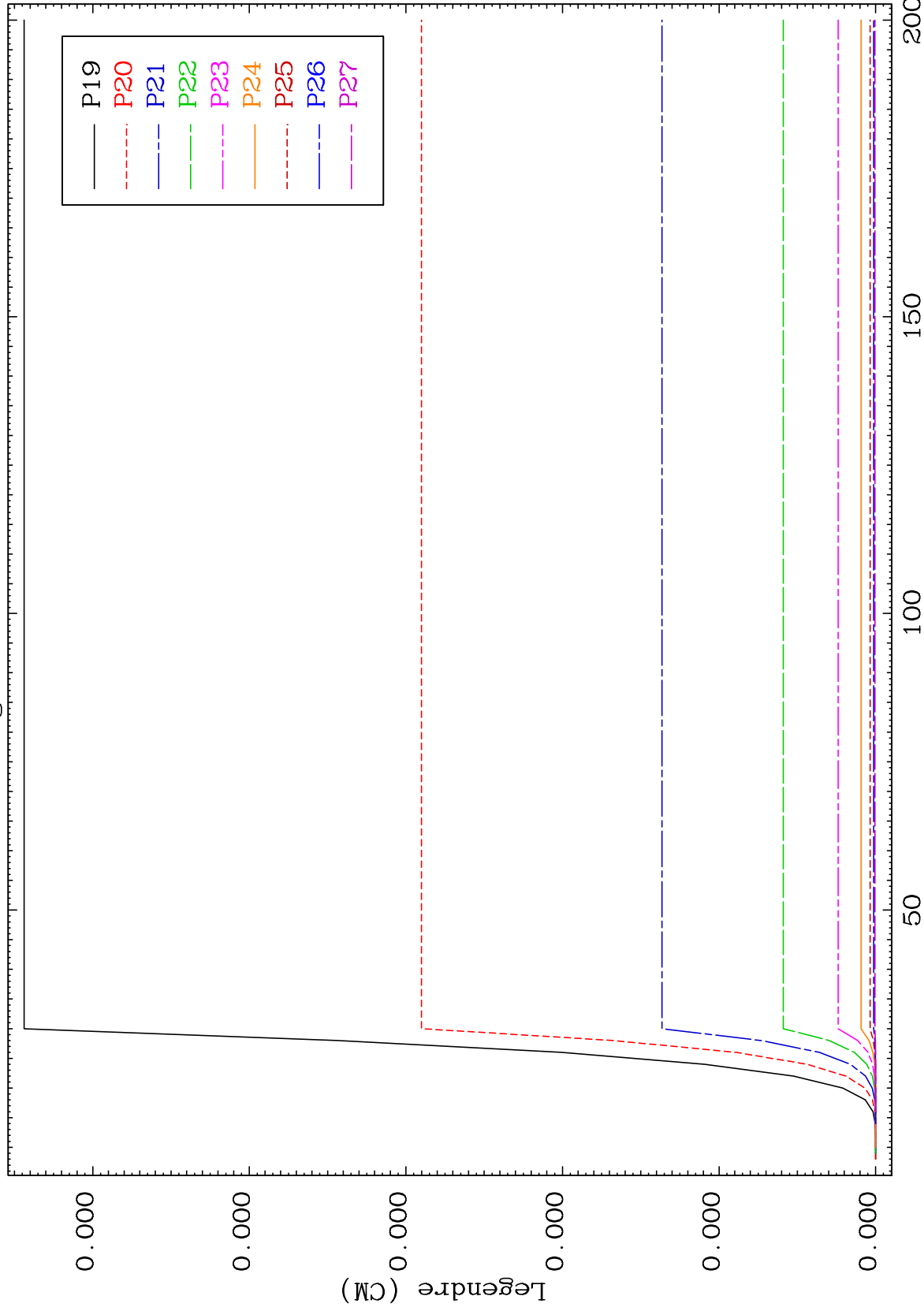
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



87

Incident Energy (MeV)

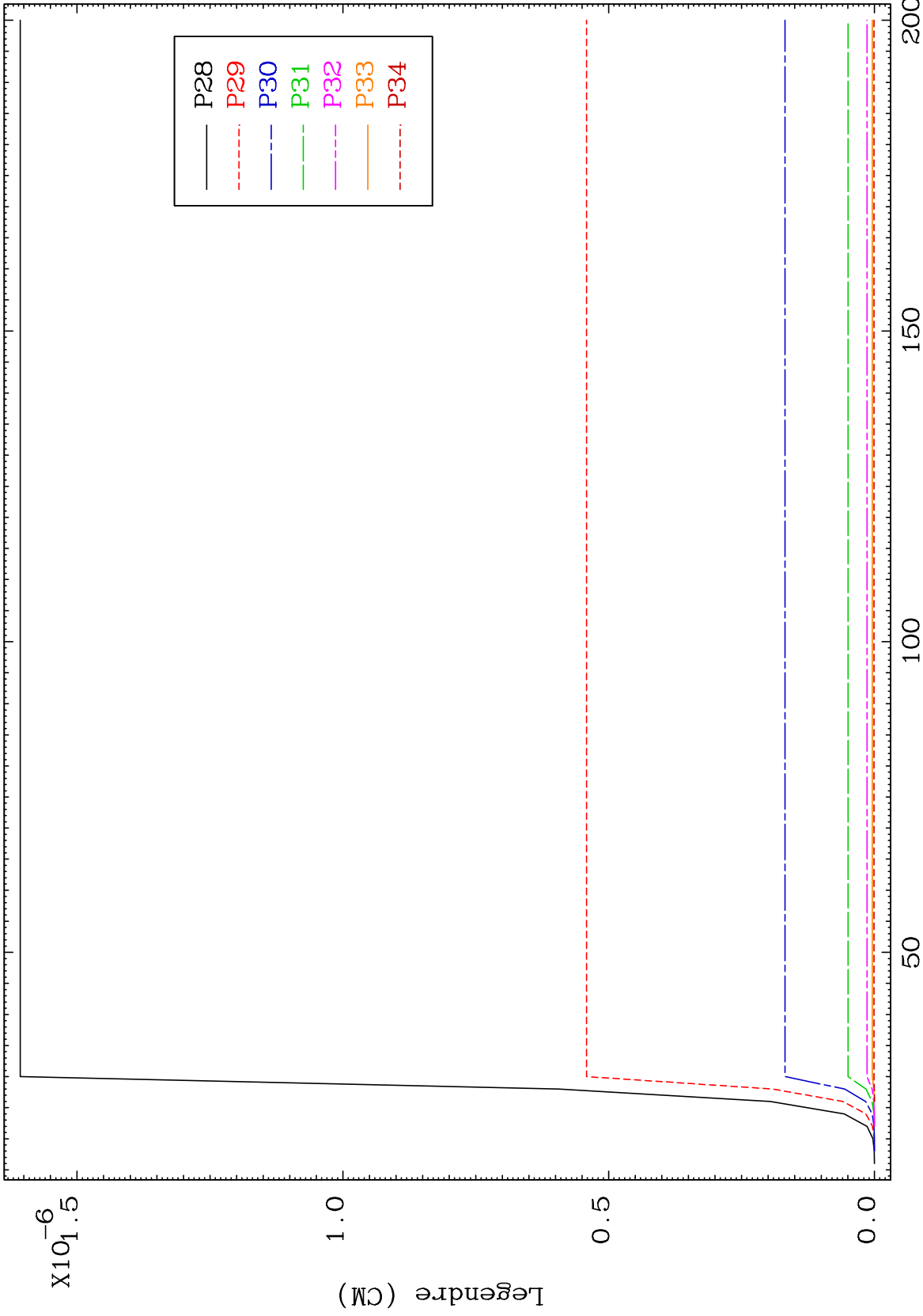
49-In-111



MAT 4919

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

49-In-111



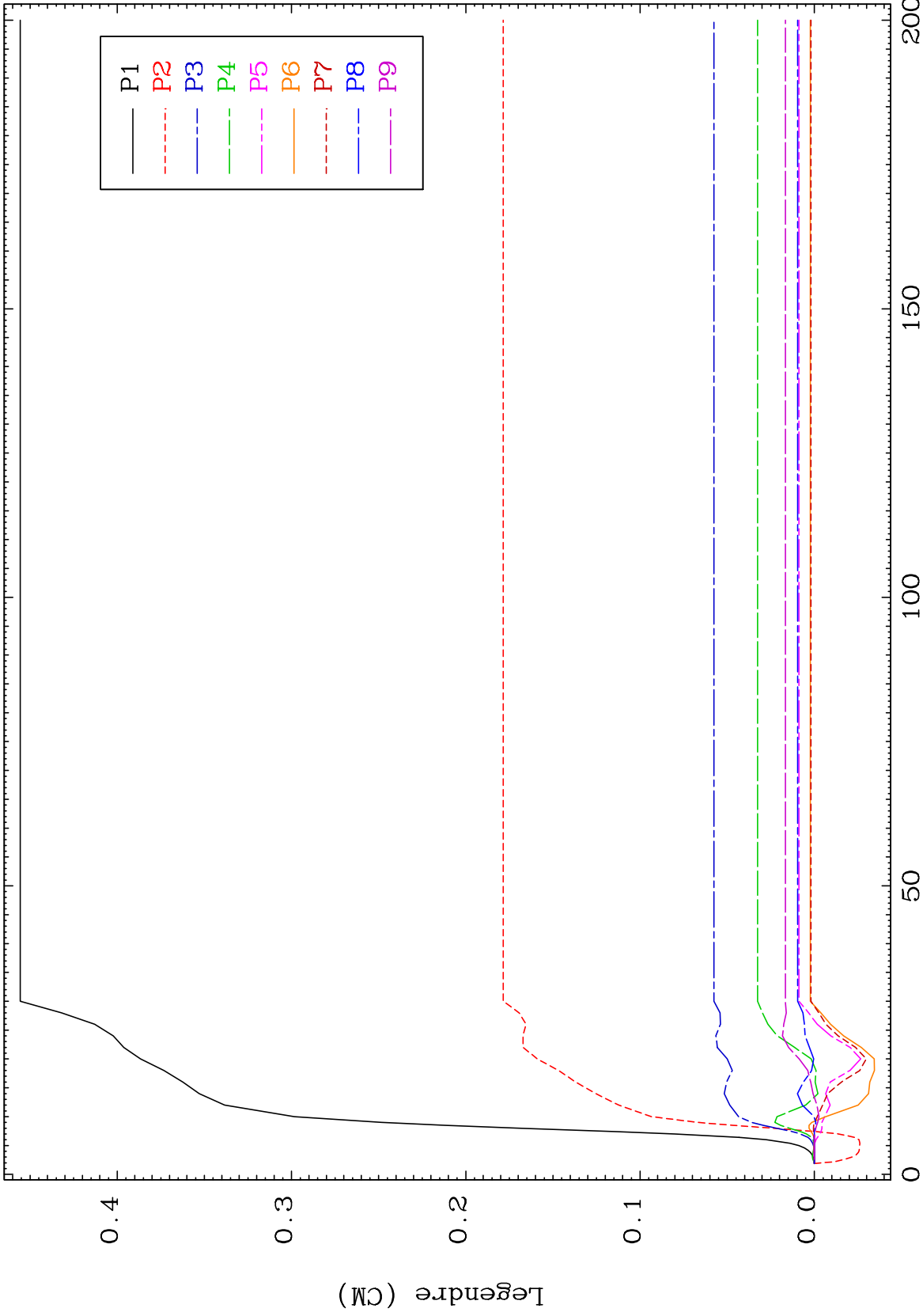
88

49-In-111

MAT 4919

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

49-In-111



89

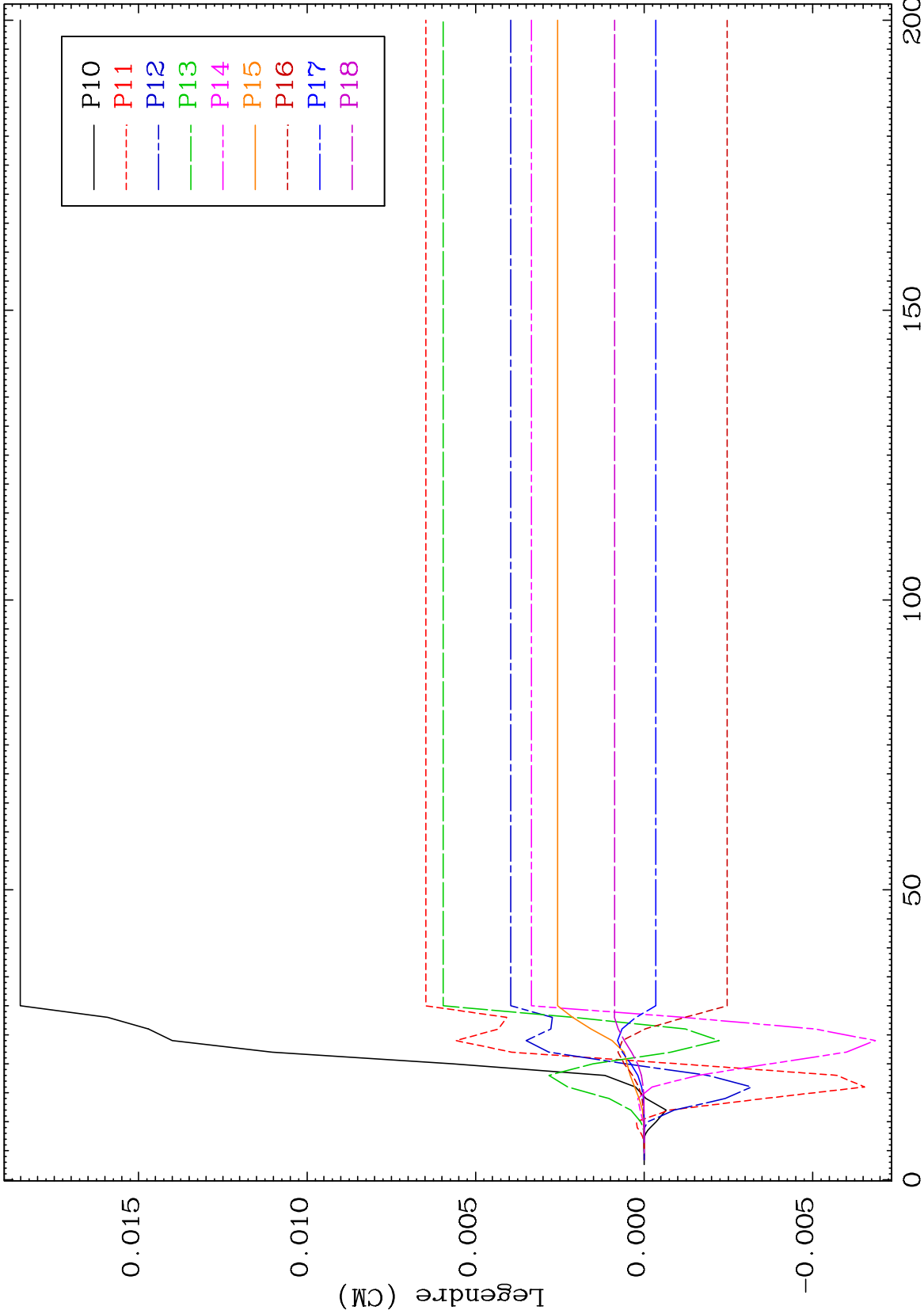
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



90

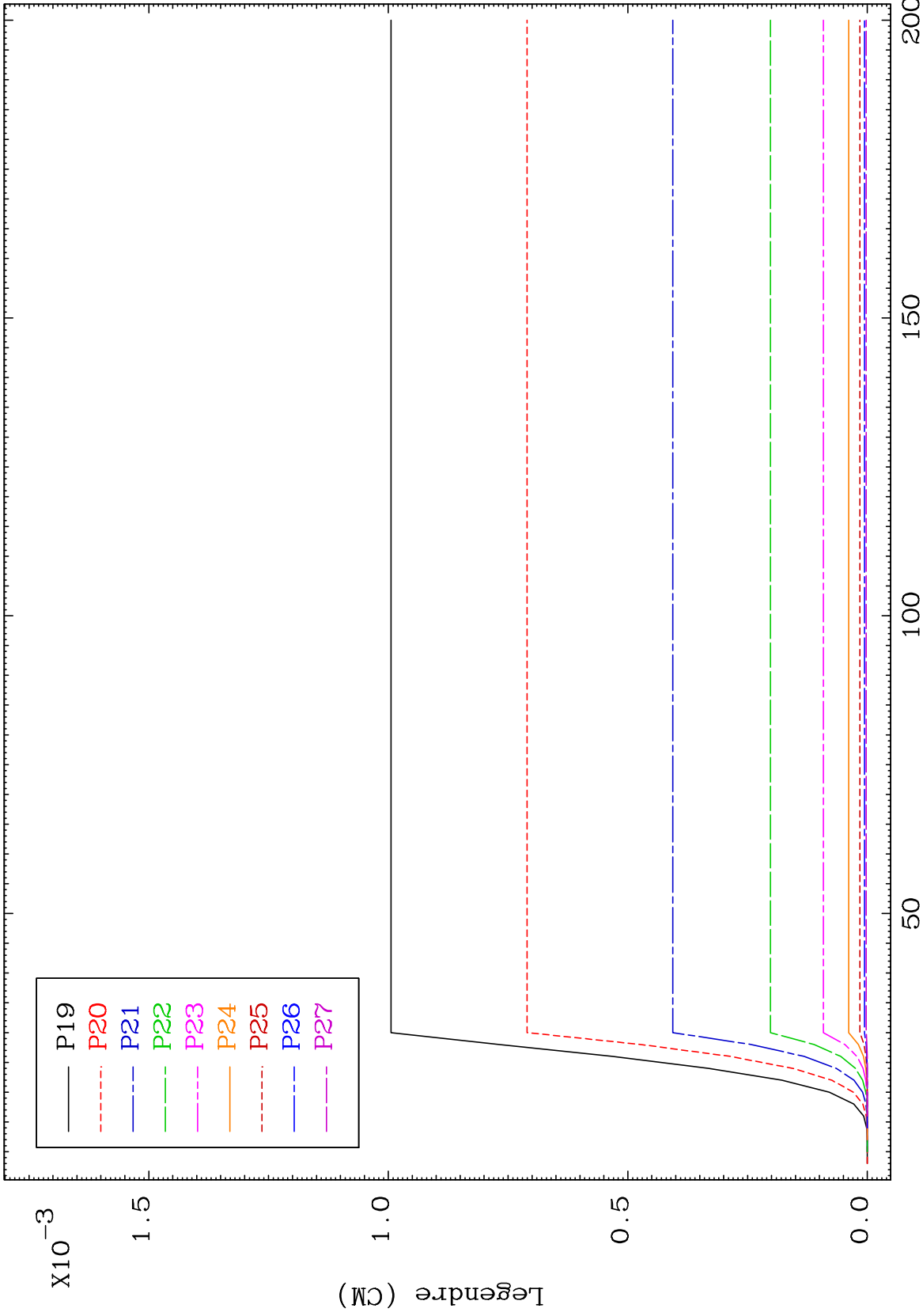
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



91

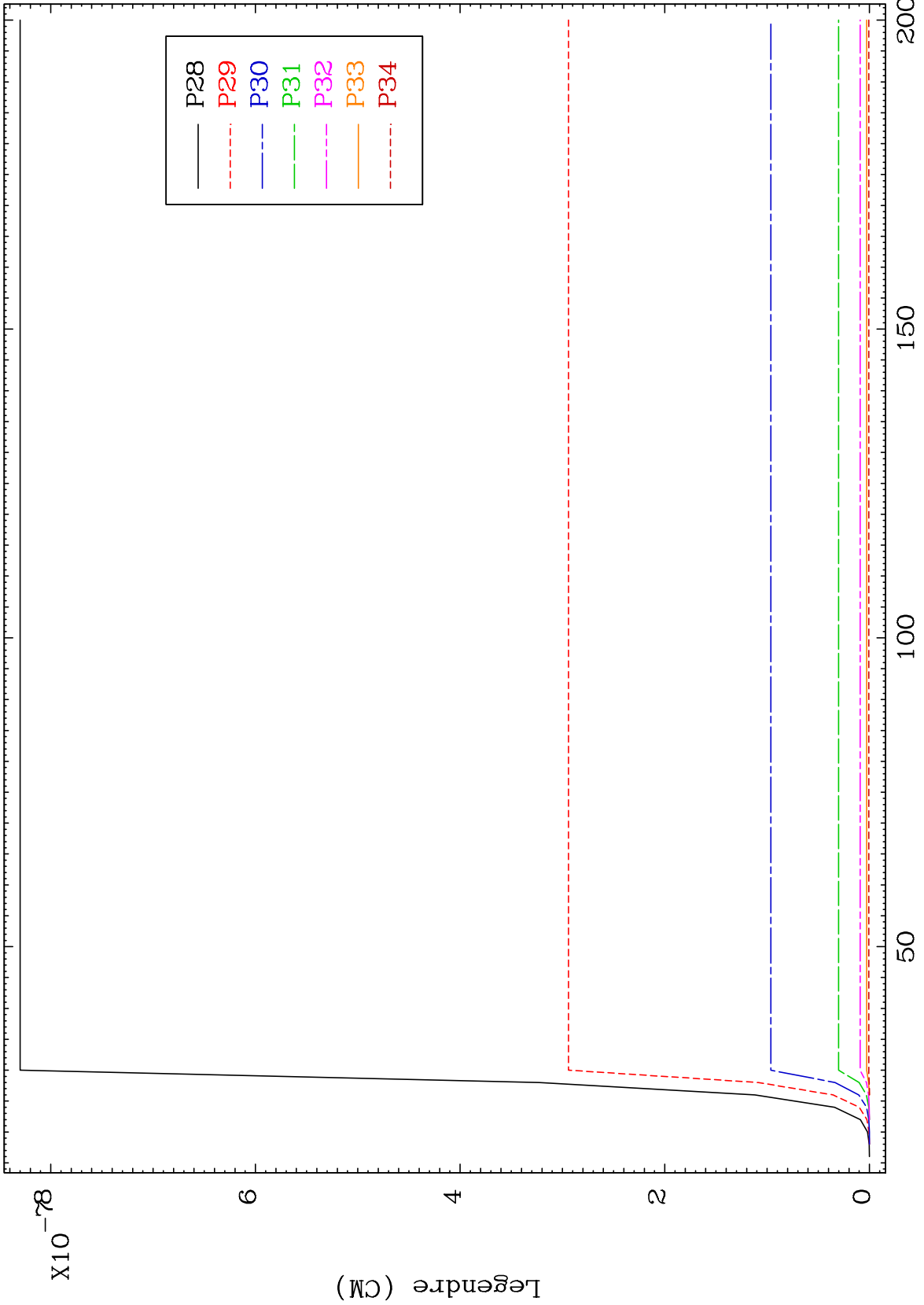
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111

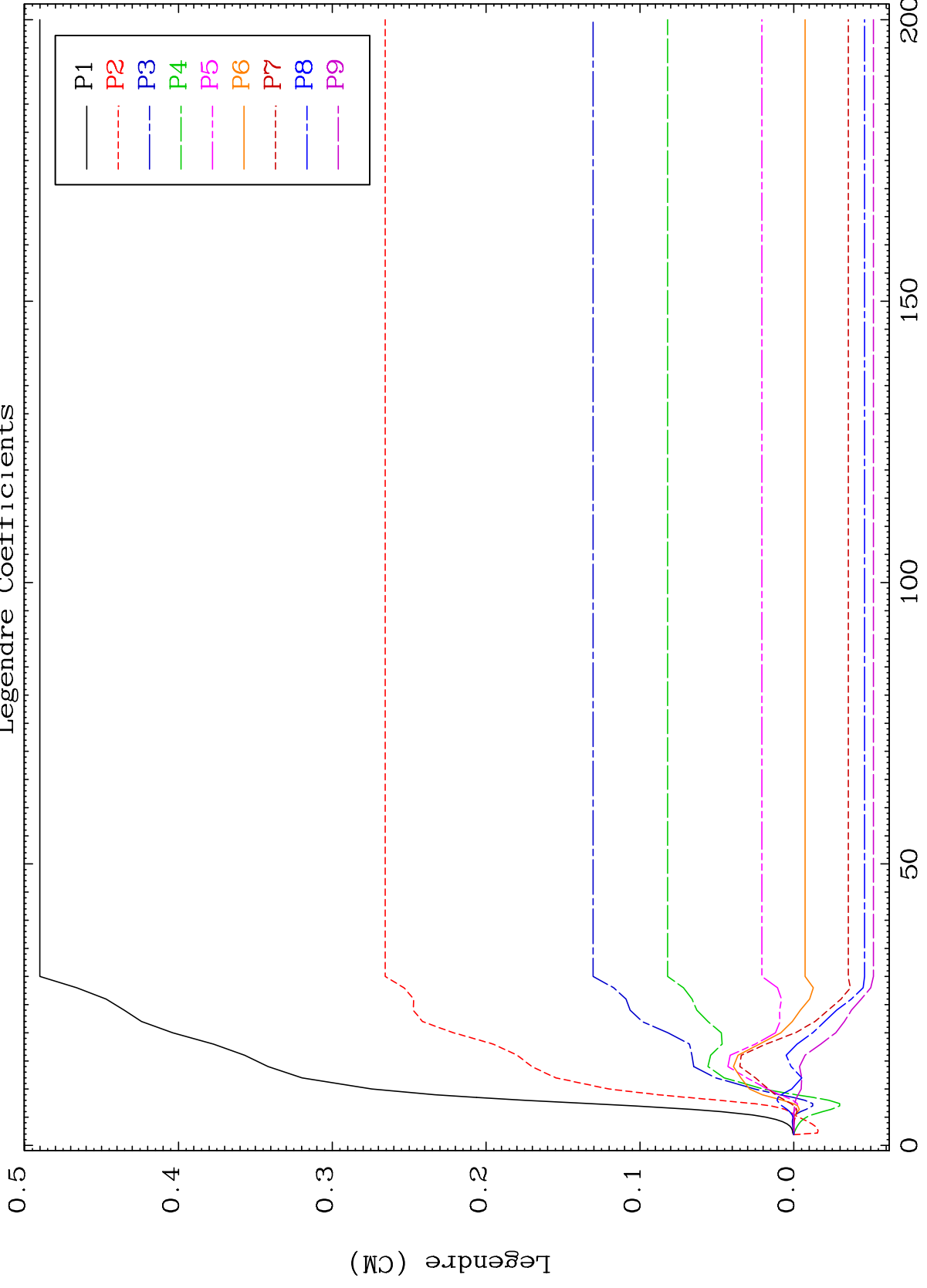


92

Incident Energy (MeV)

49-In-111

MAT 4919 MT= 70 (n,n') Level Legendre Coefficients 49-In-111

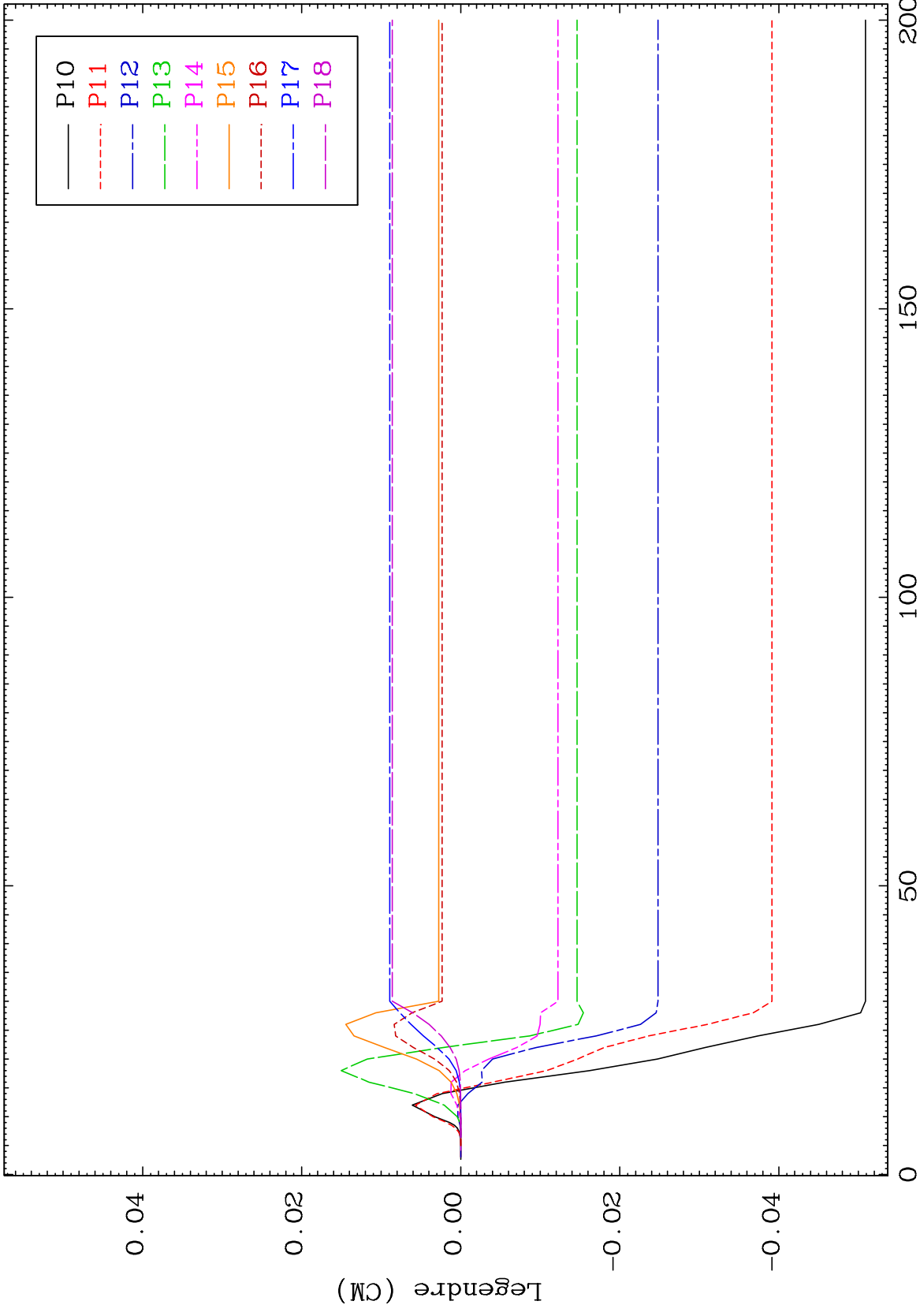


93 49-In-111

MAT 4919

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

49-In-111



94

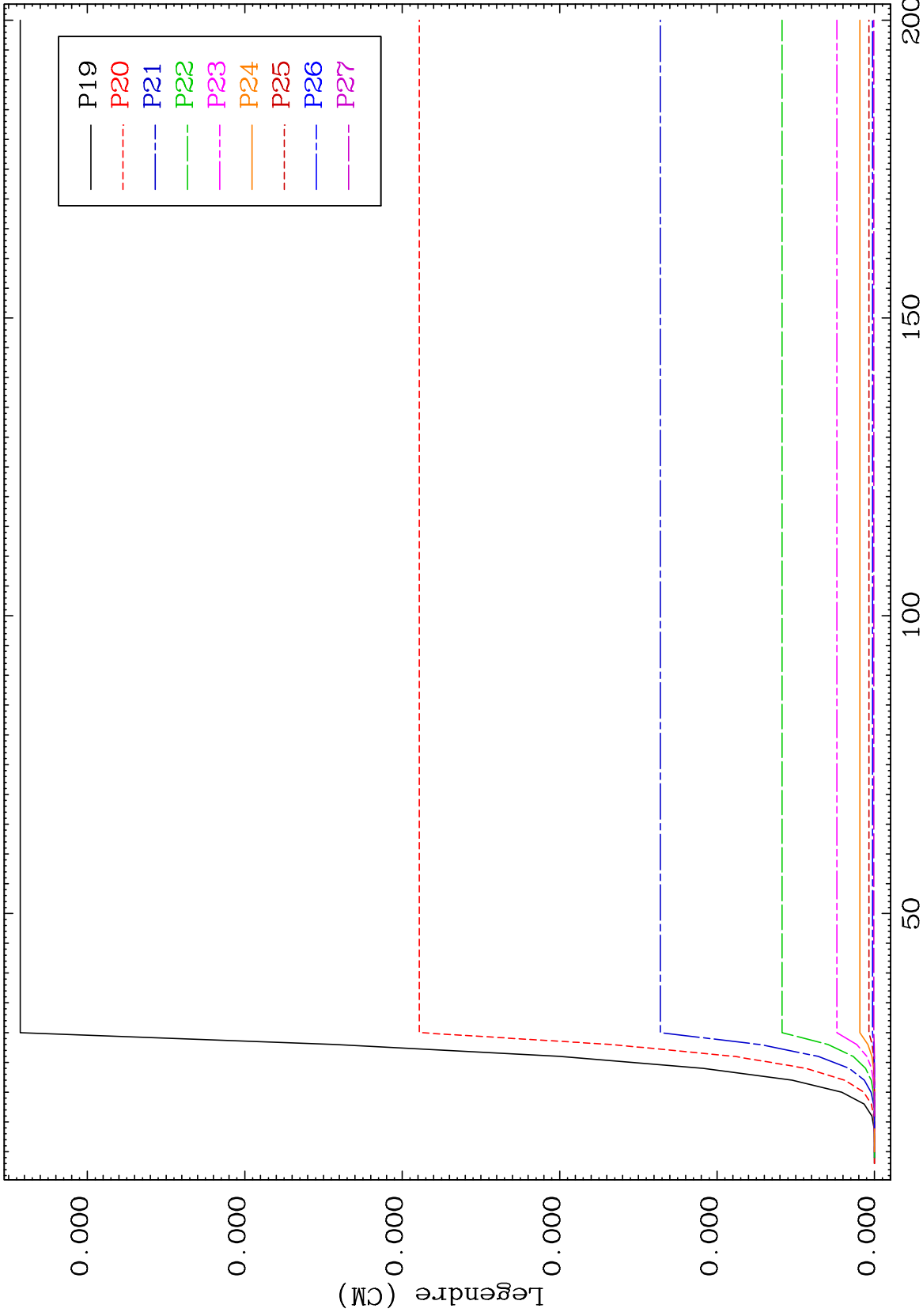
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



95

Incident Energy (MeV)

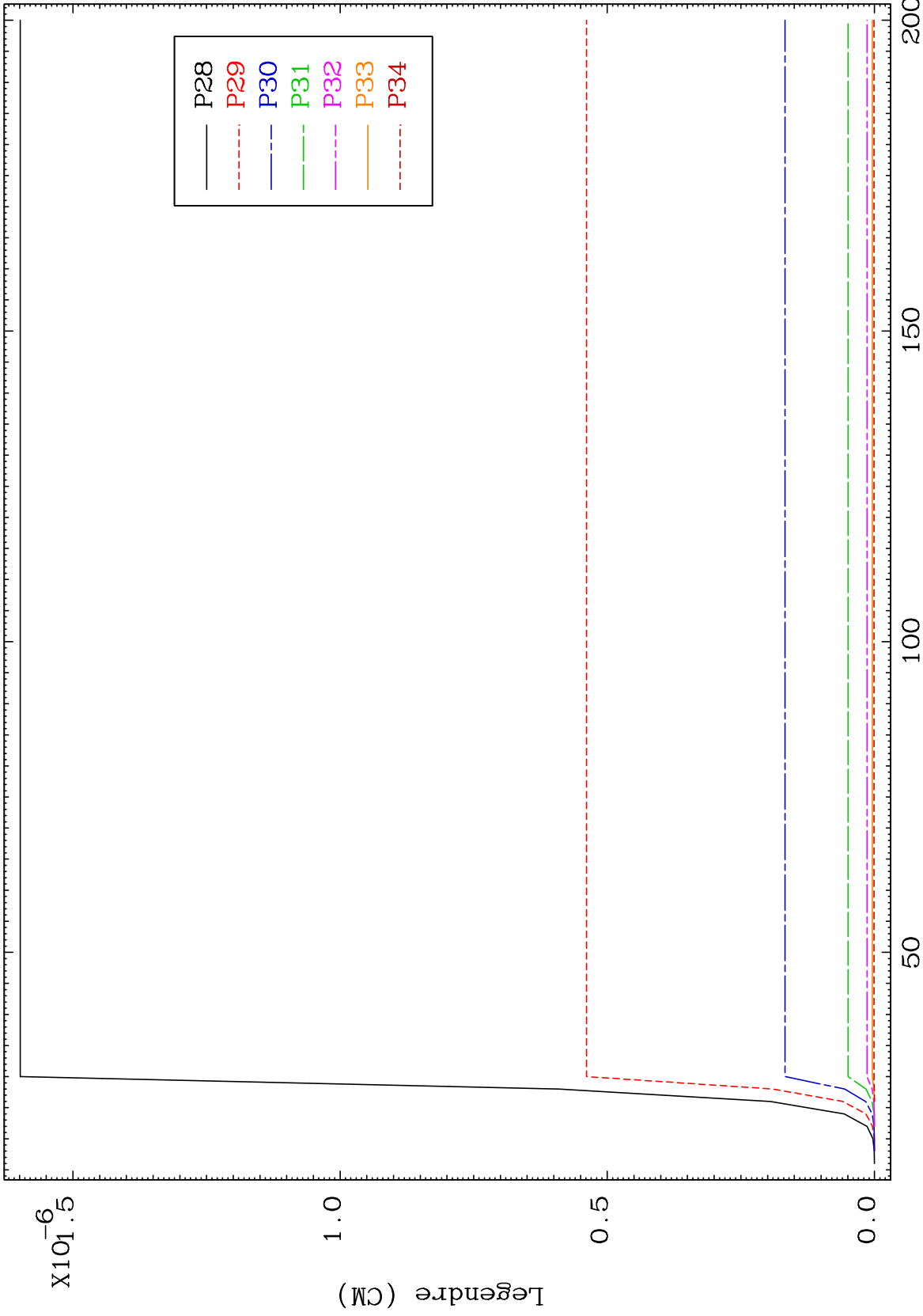
49-In-111



MAT 4919

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

49-In-111



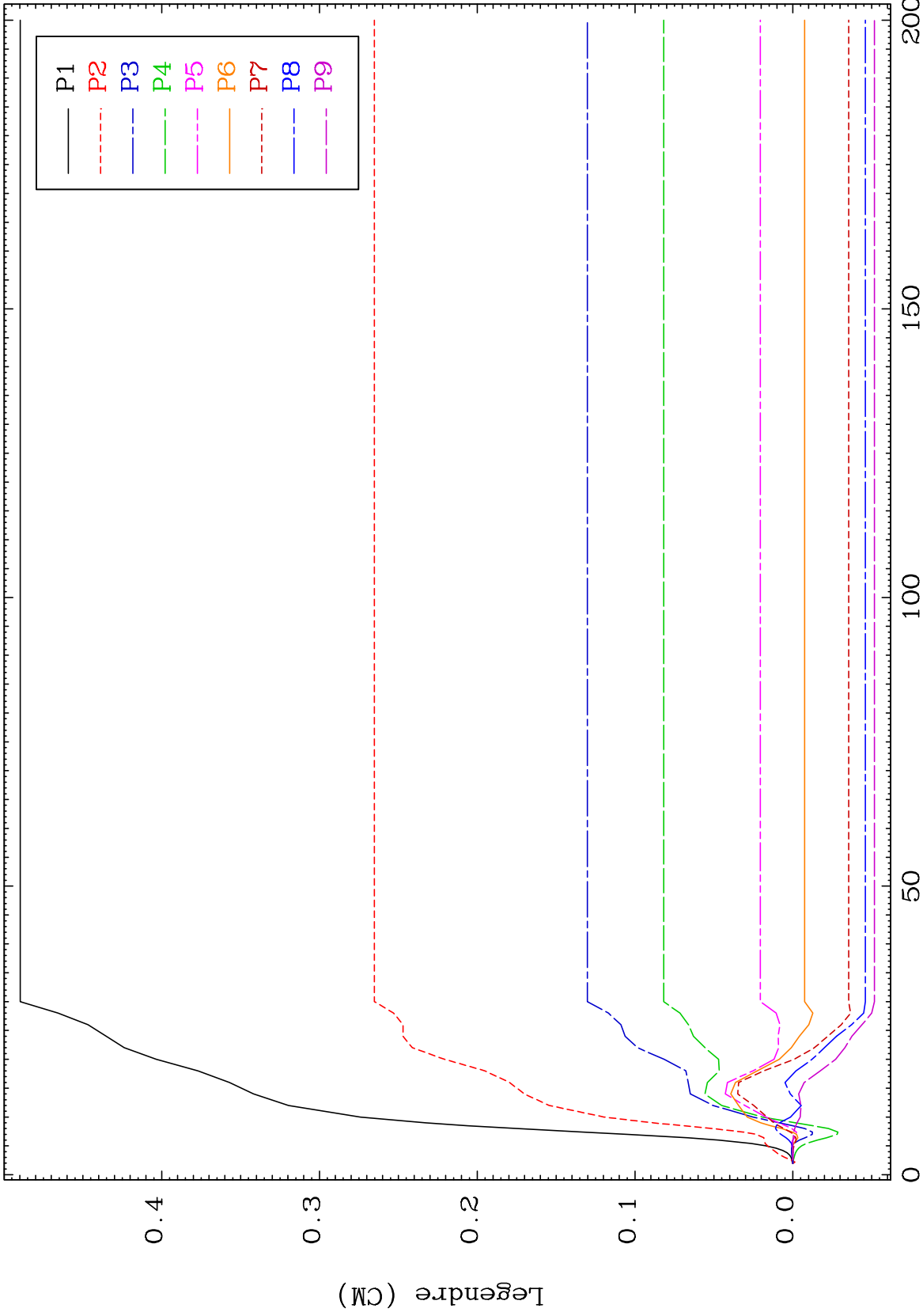
96

49-In-111

MAT 4919

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

49-In-111



97

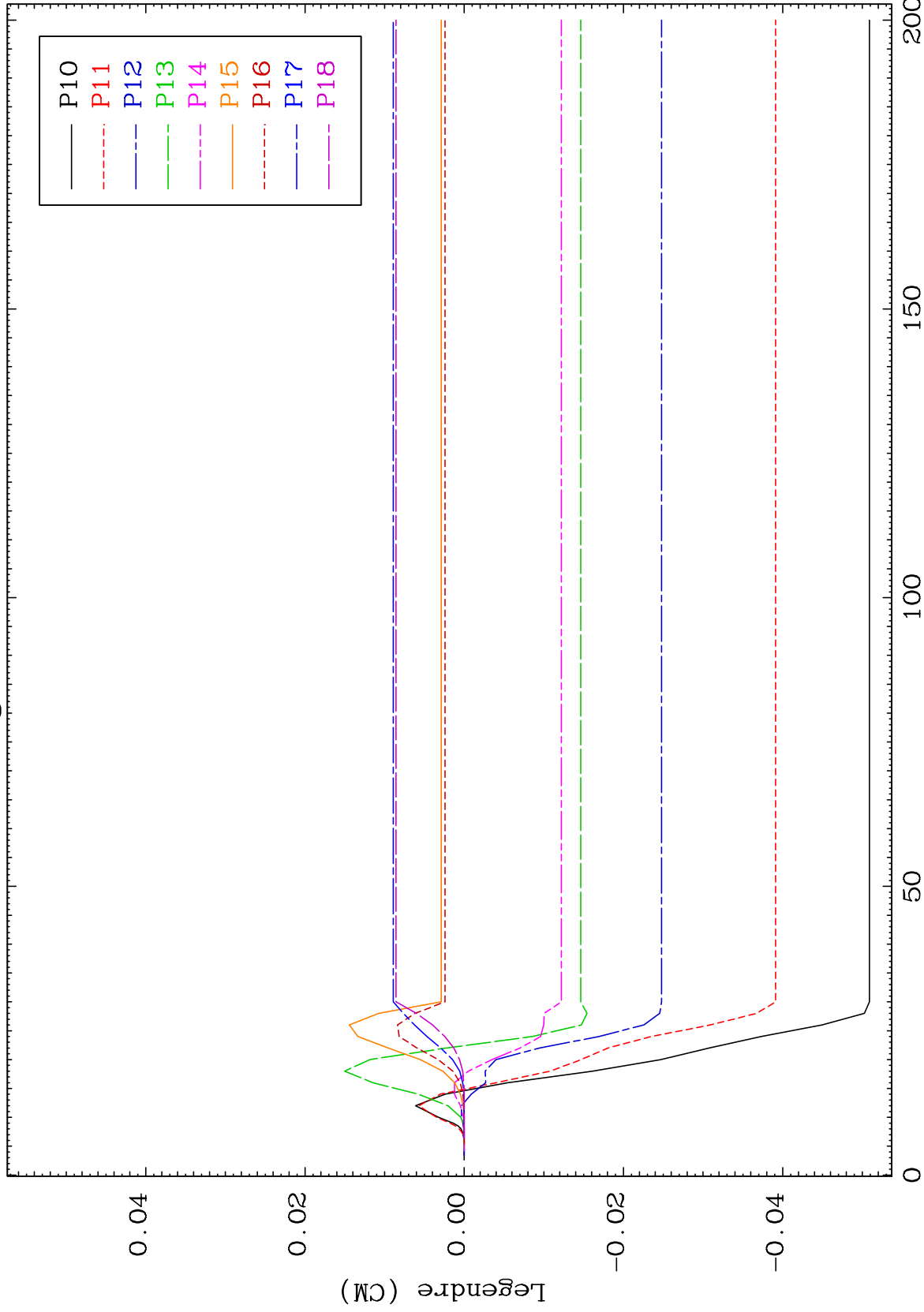
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



98

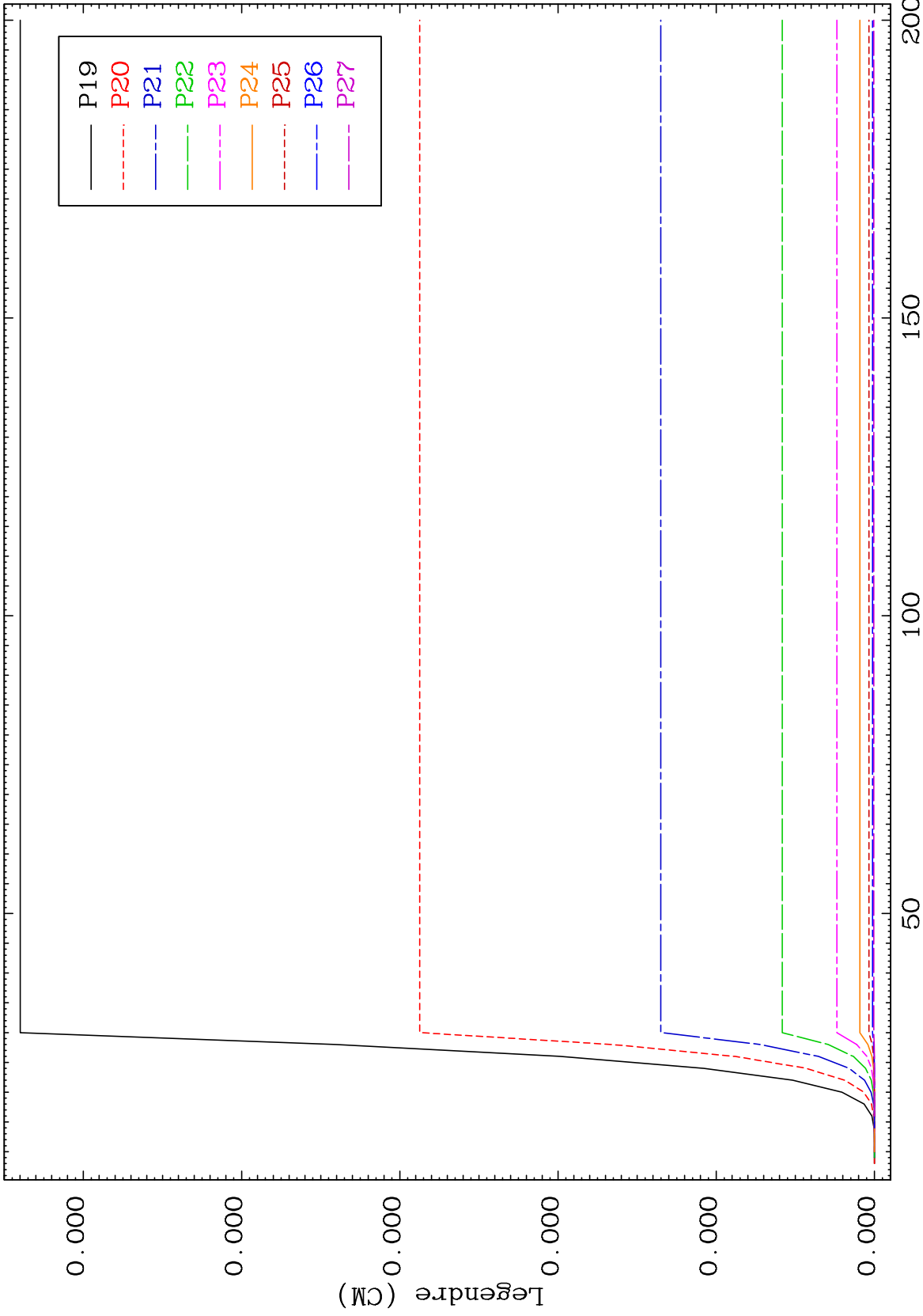
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



99

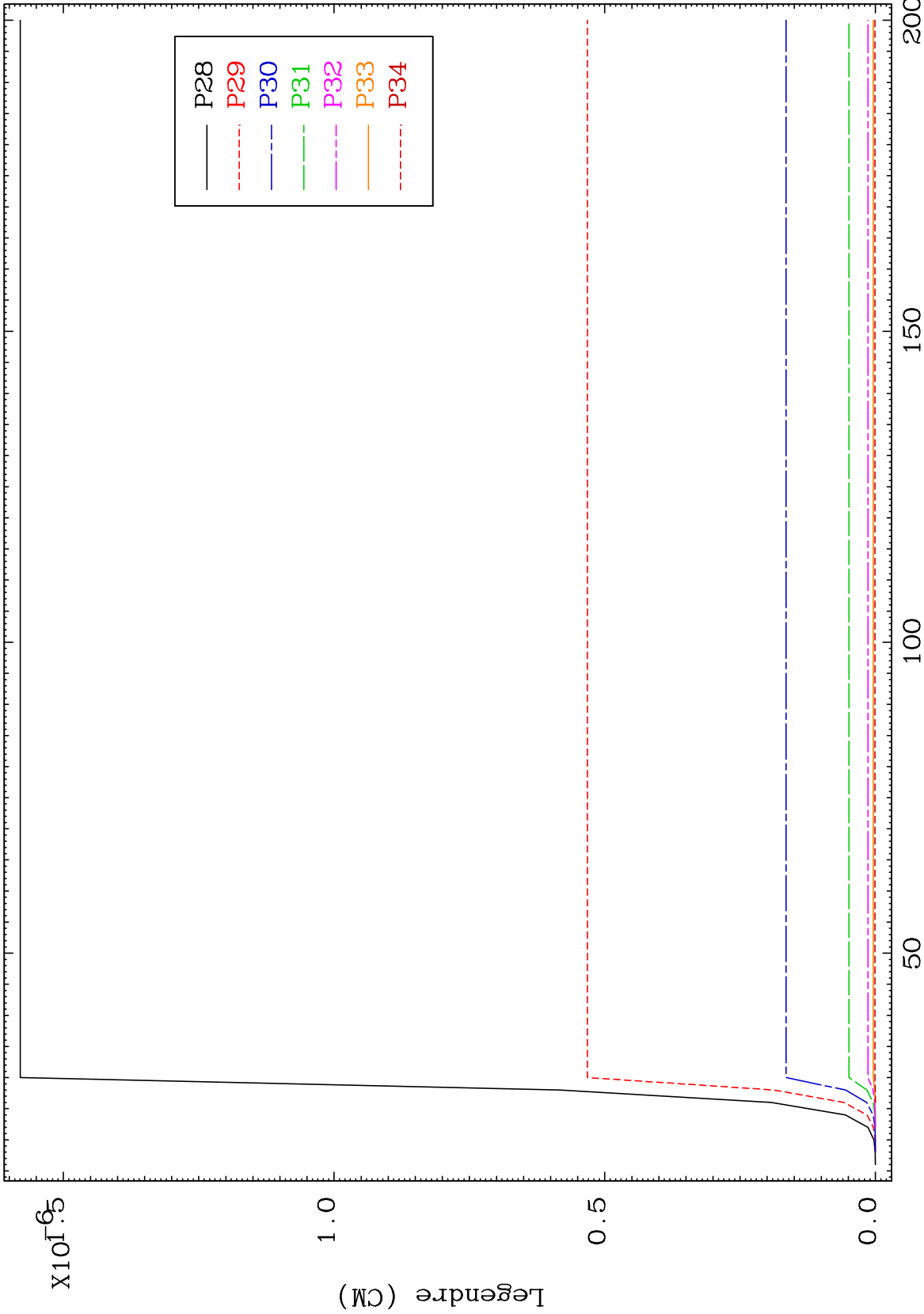
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



100

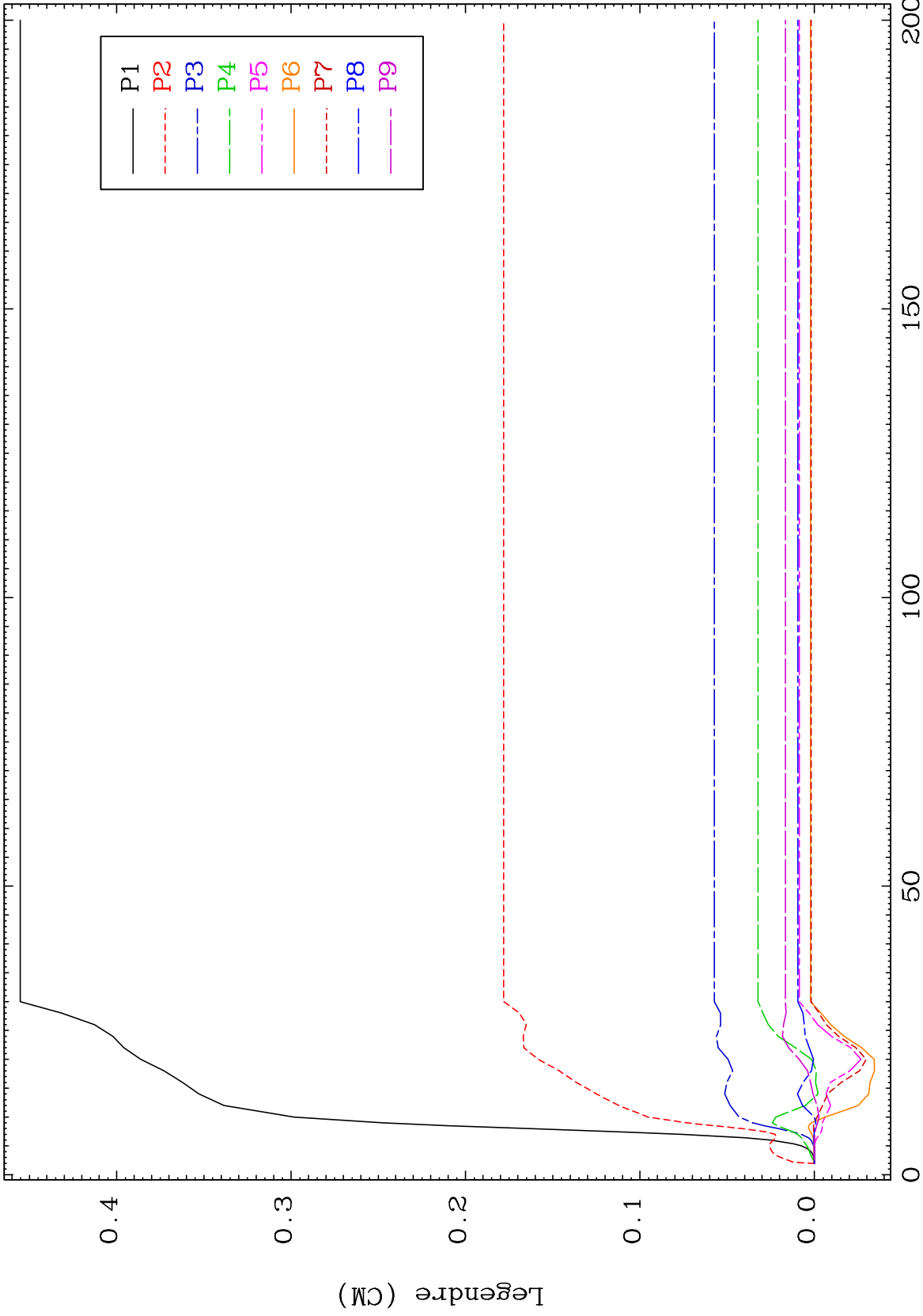
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



101

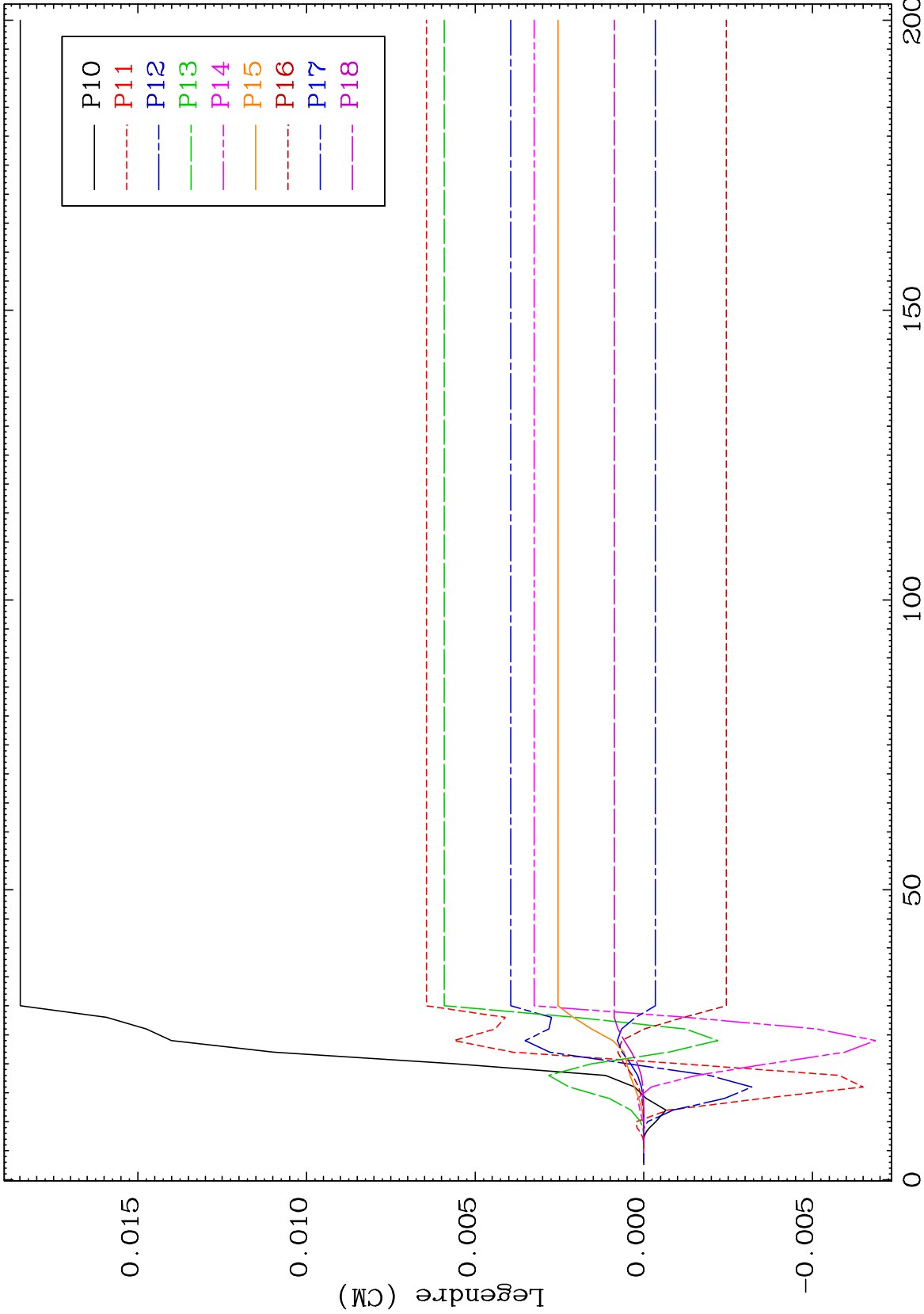
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



102

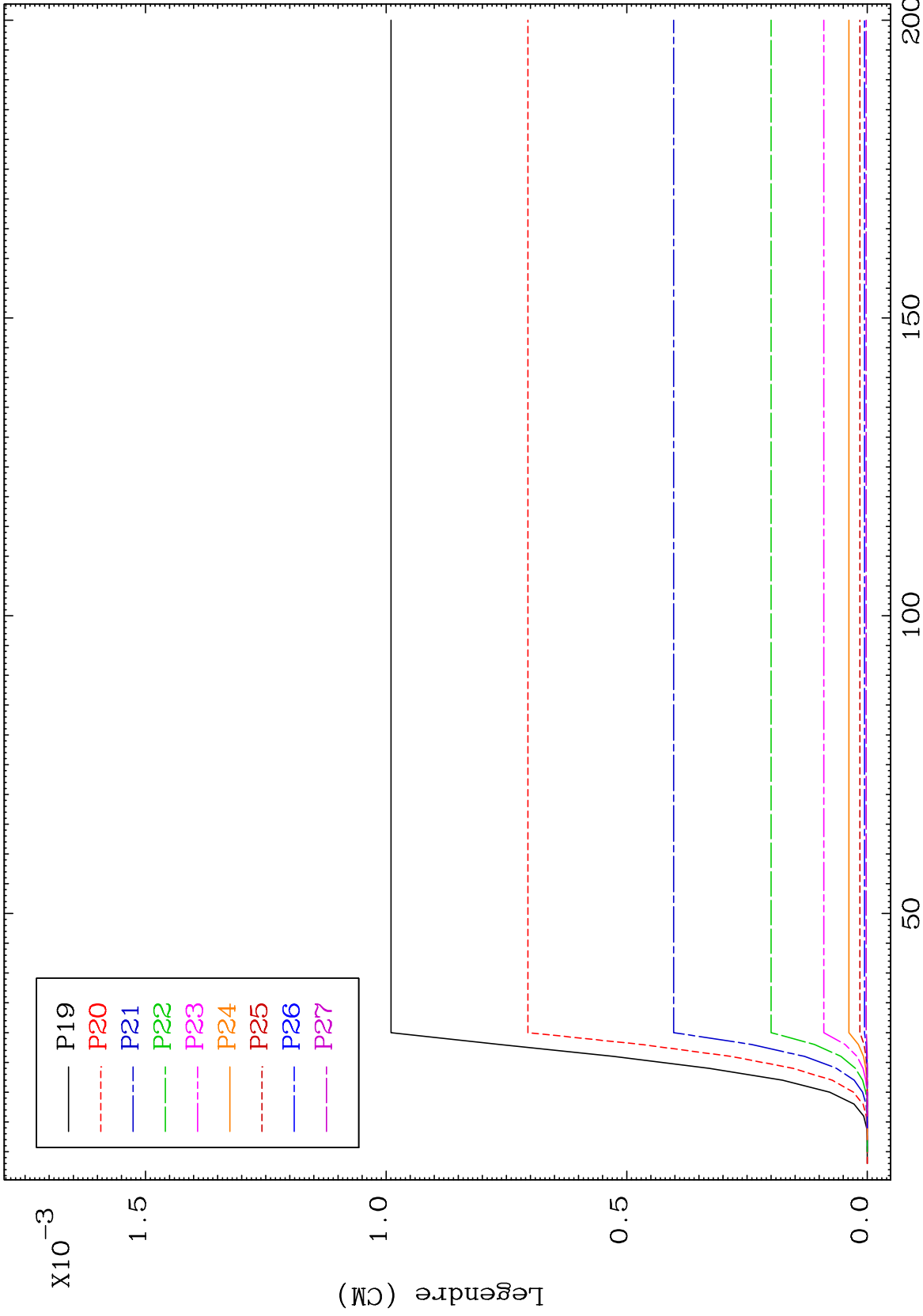
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



103

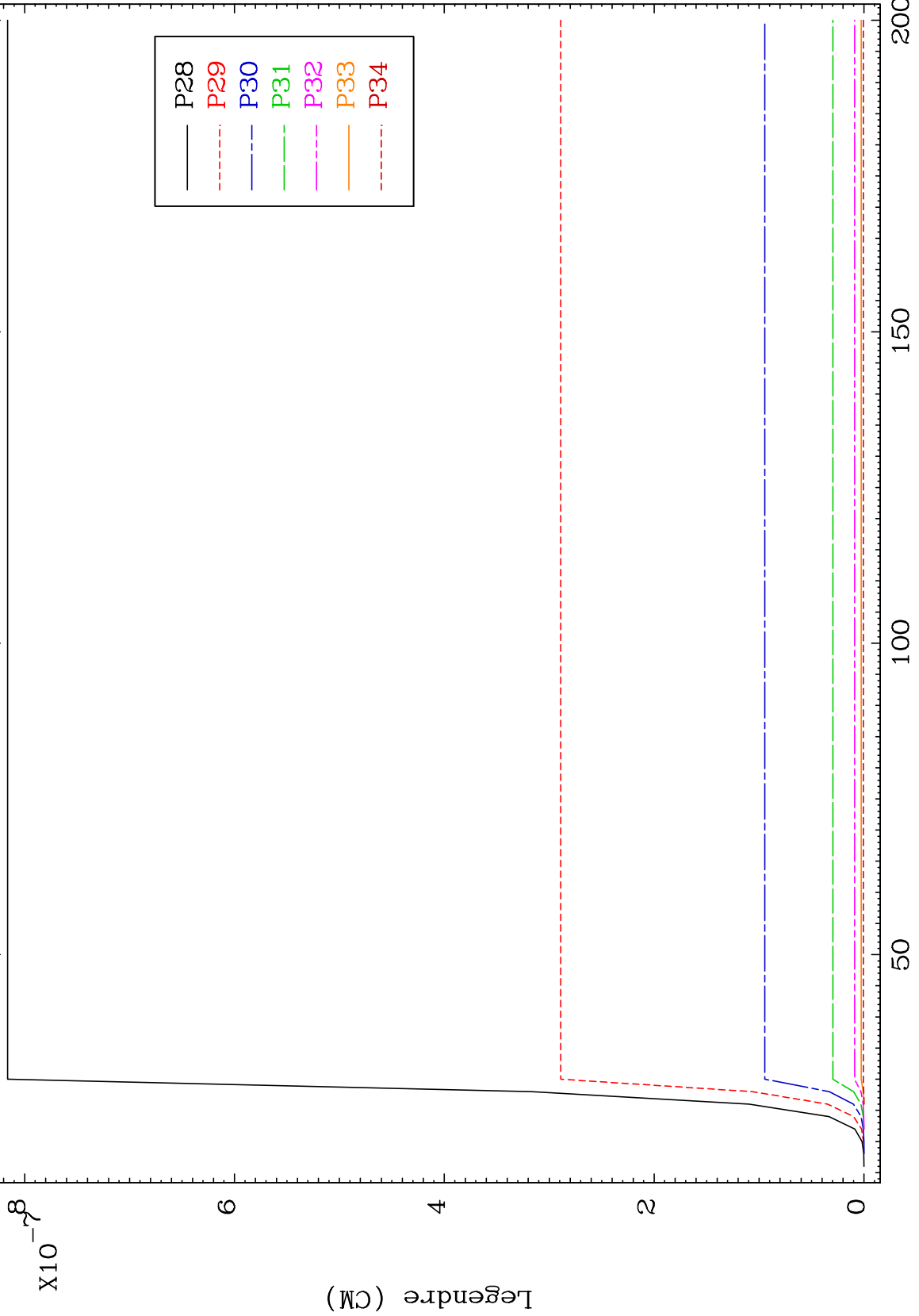
49-In-111



MAT 4919

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

49-In-111



104

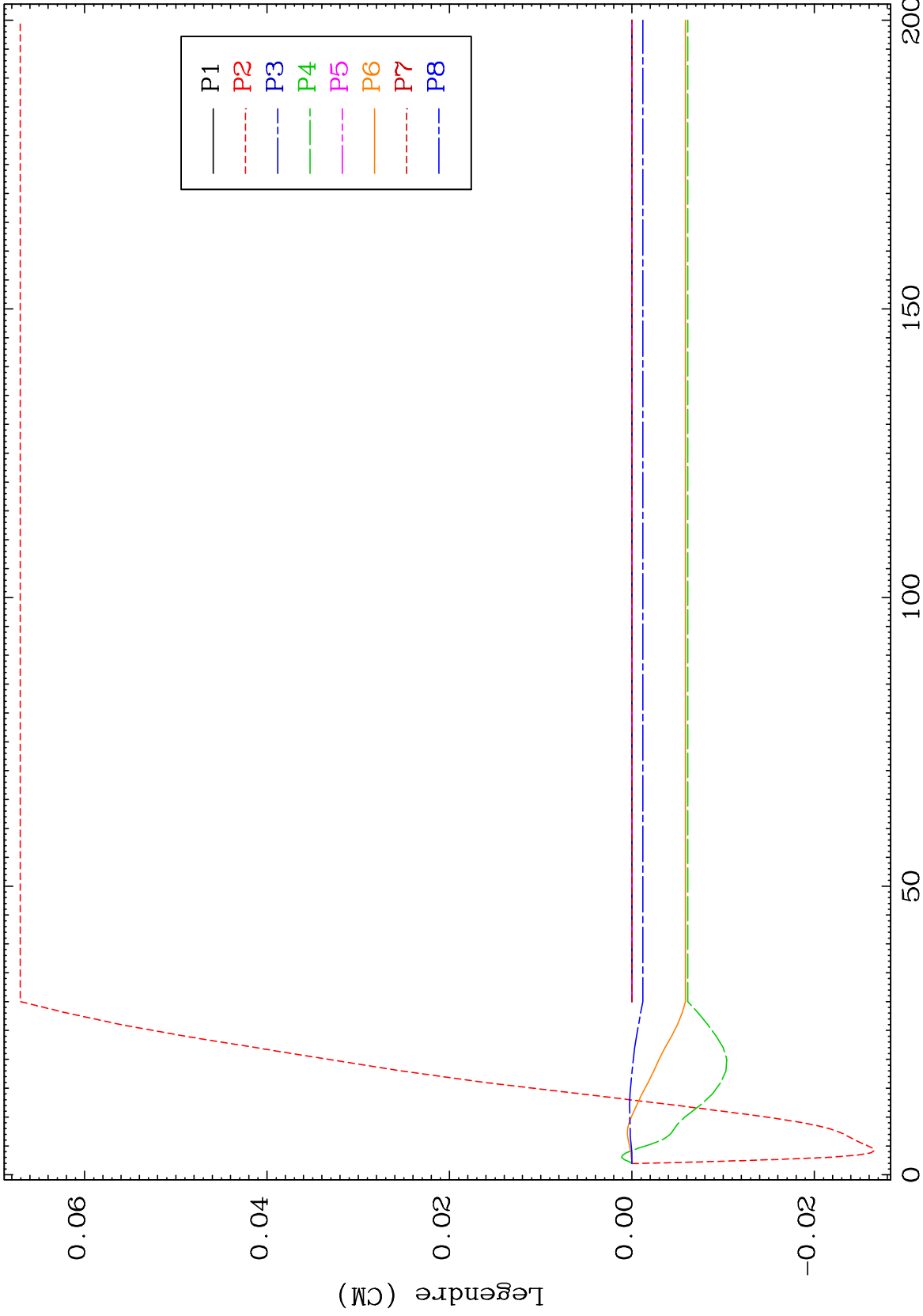
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



49-In-111

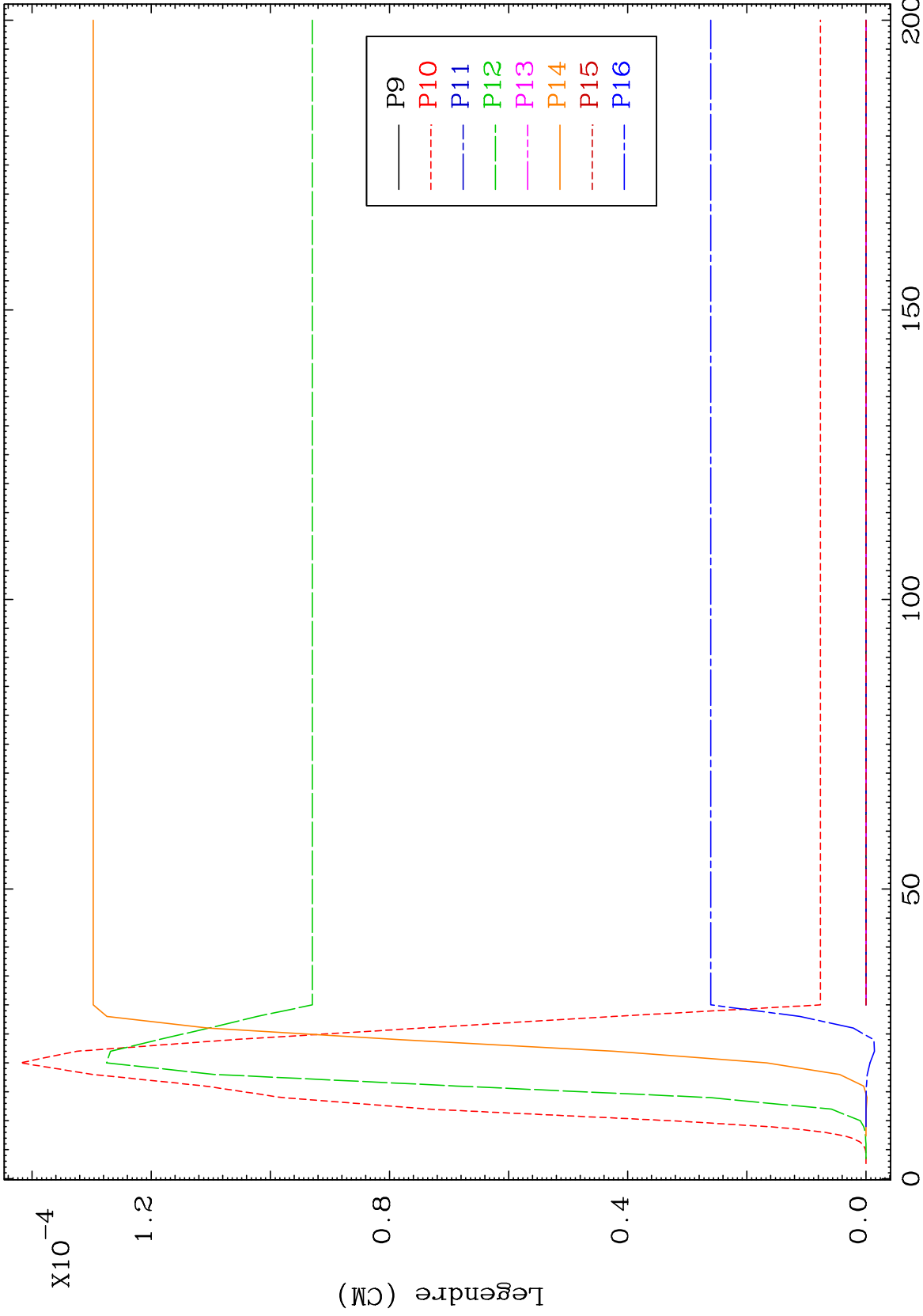
Incident Energy (MeV)

Legendre (CM)

MAT 4919

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

49-In-111



106

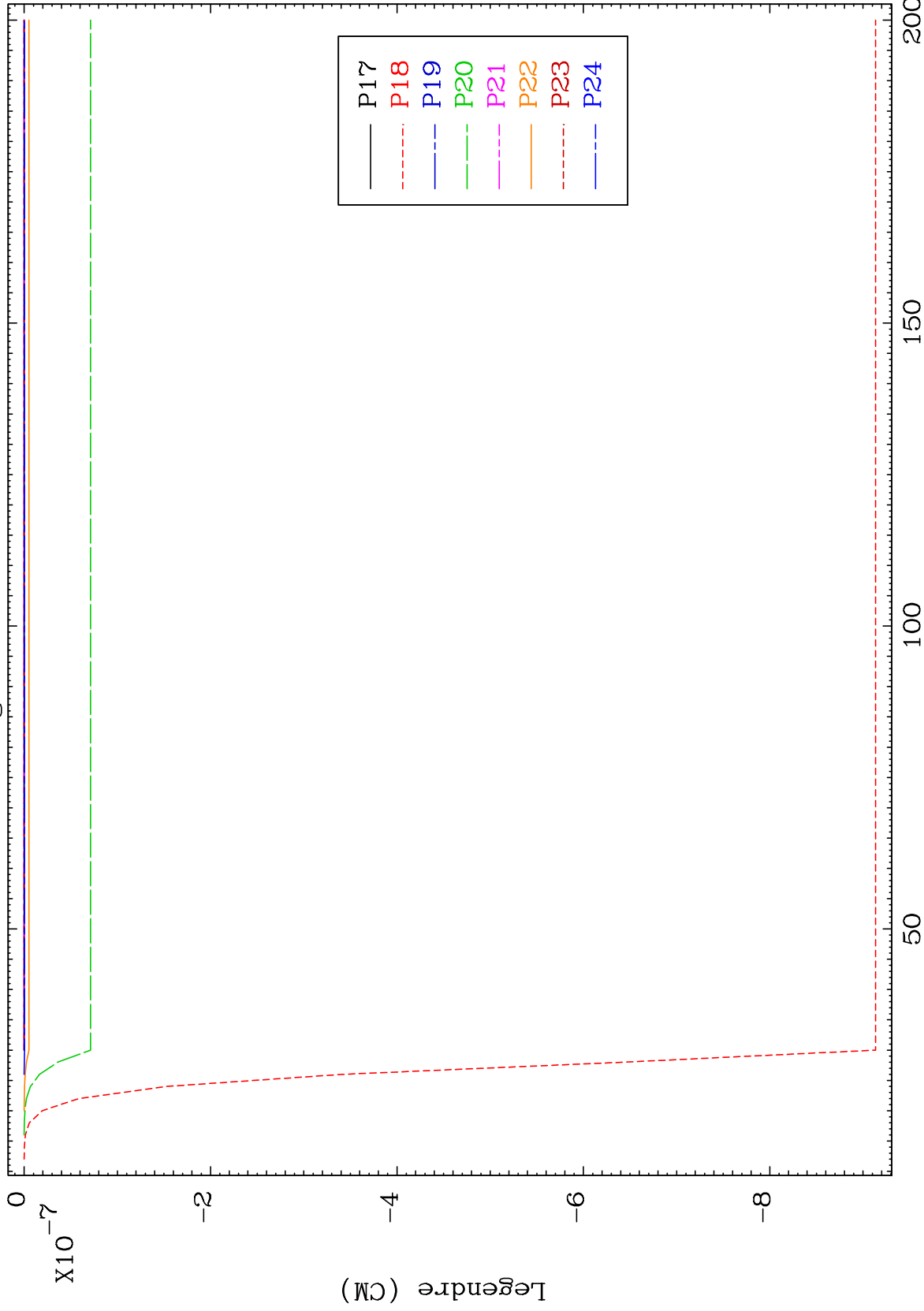
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



107

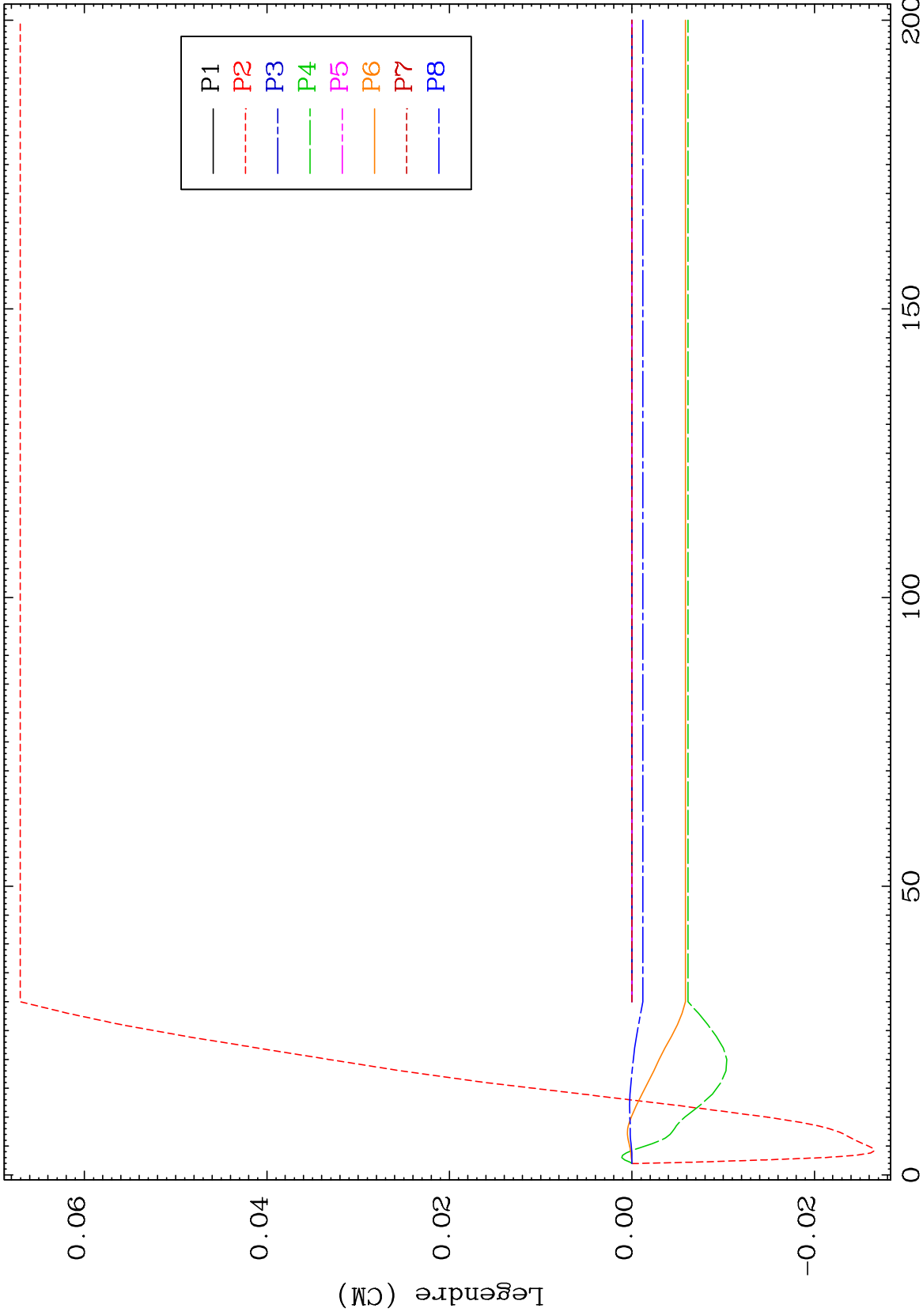
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



49-In-111

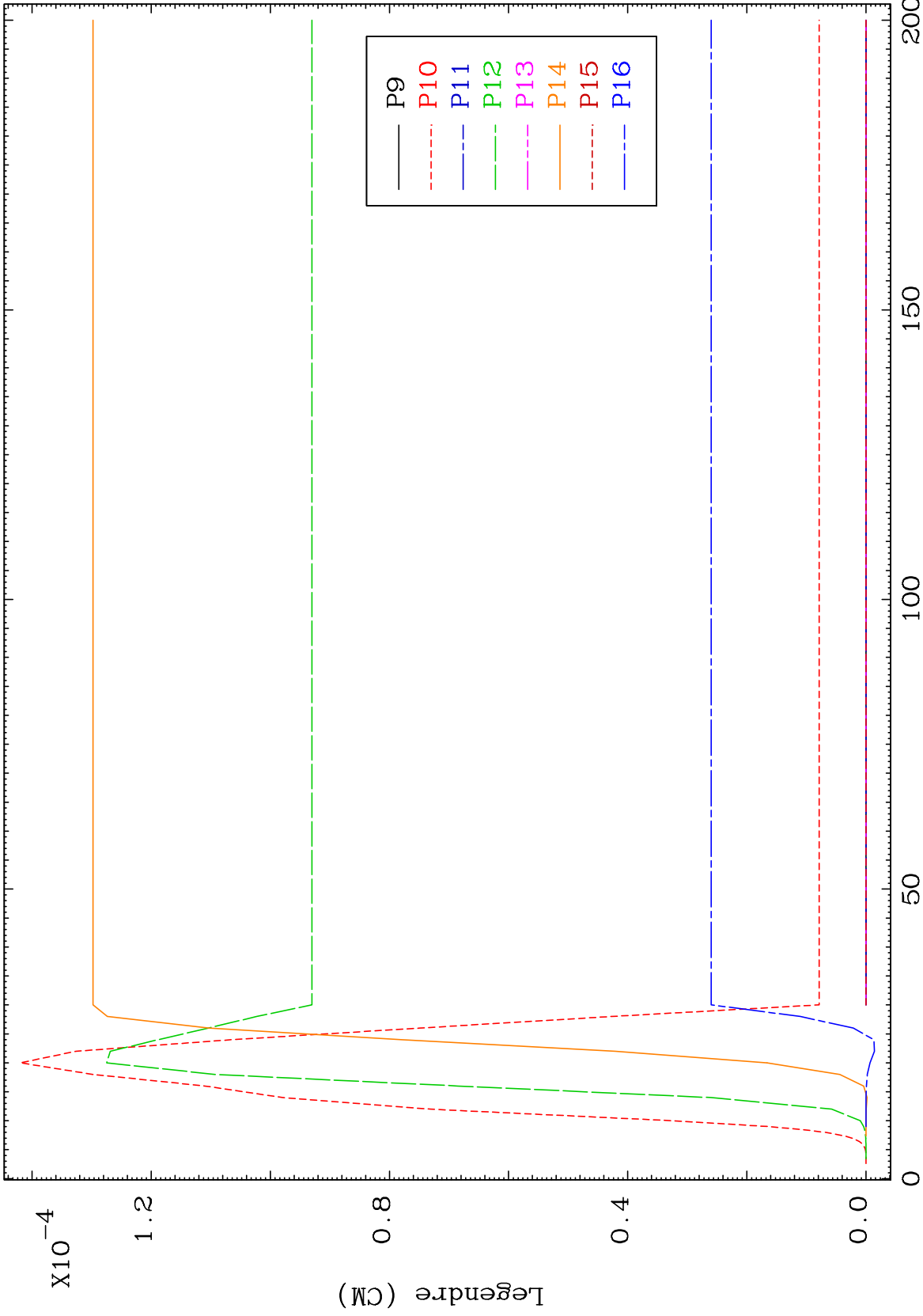
Incident Energy (MeV)

108

MAT 4919

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

49-In-111



109

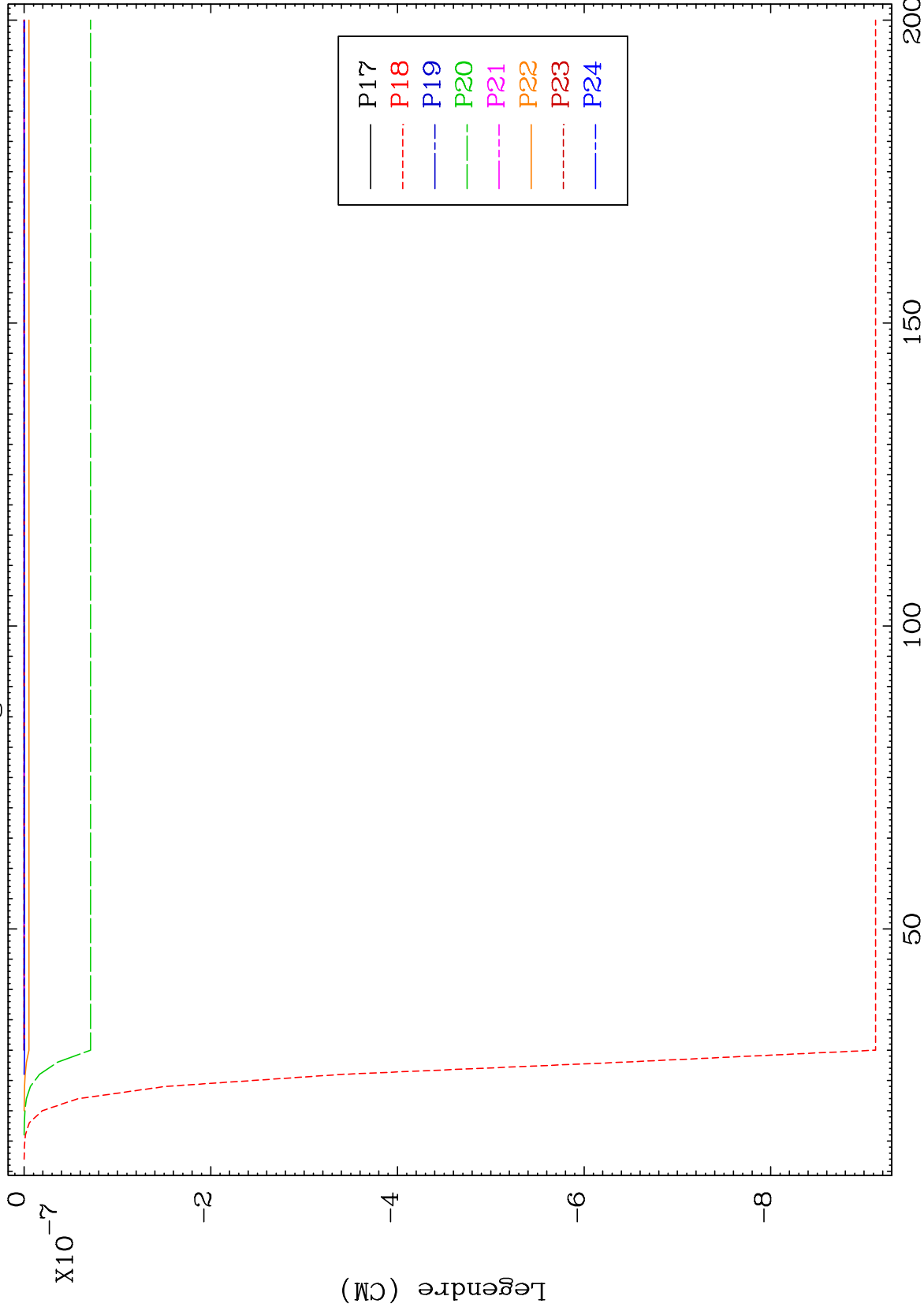
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



110

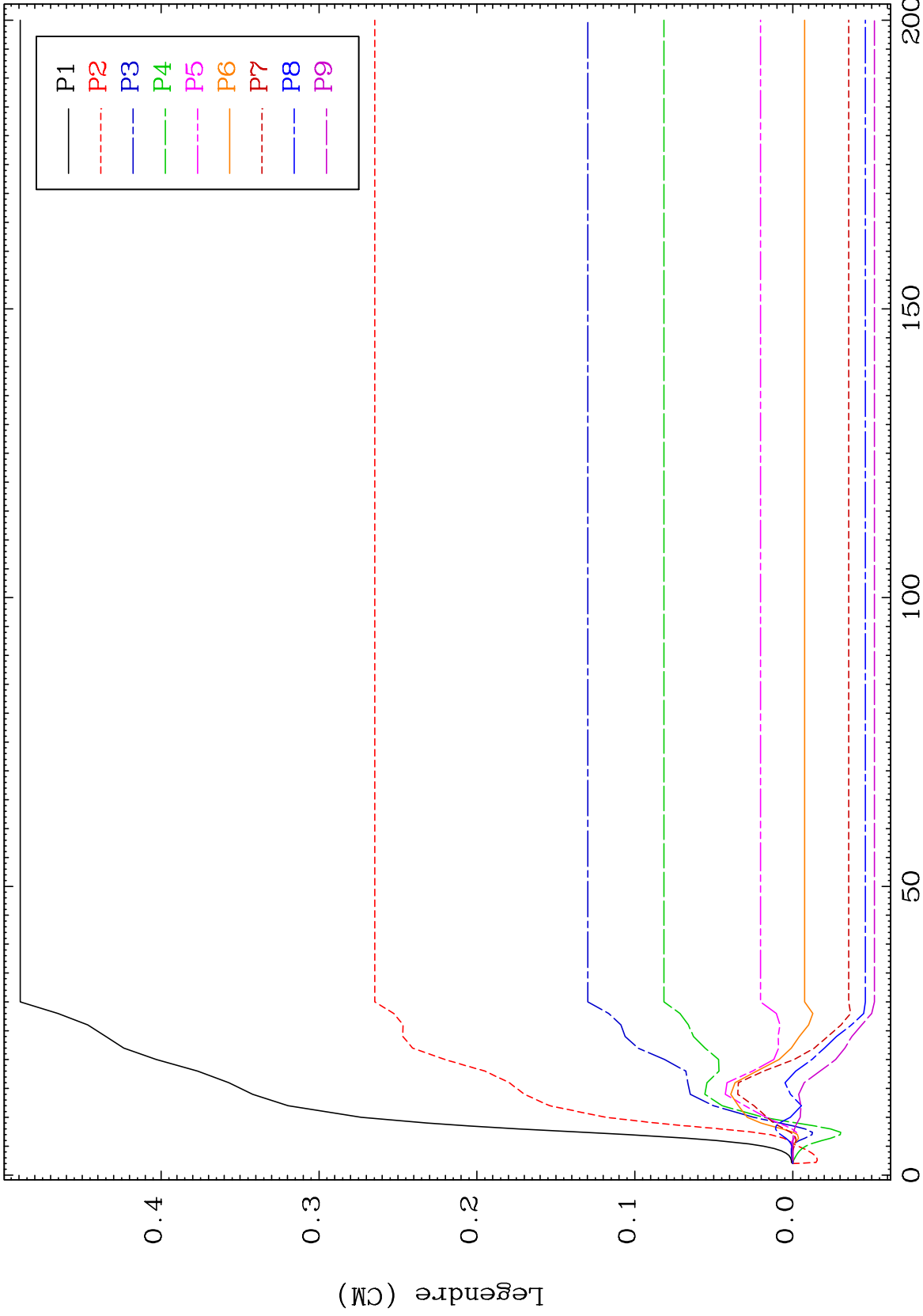
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



111

Incident Energy (MeV)

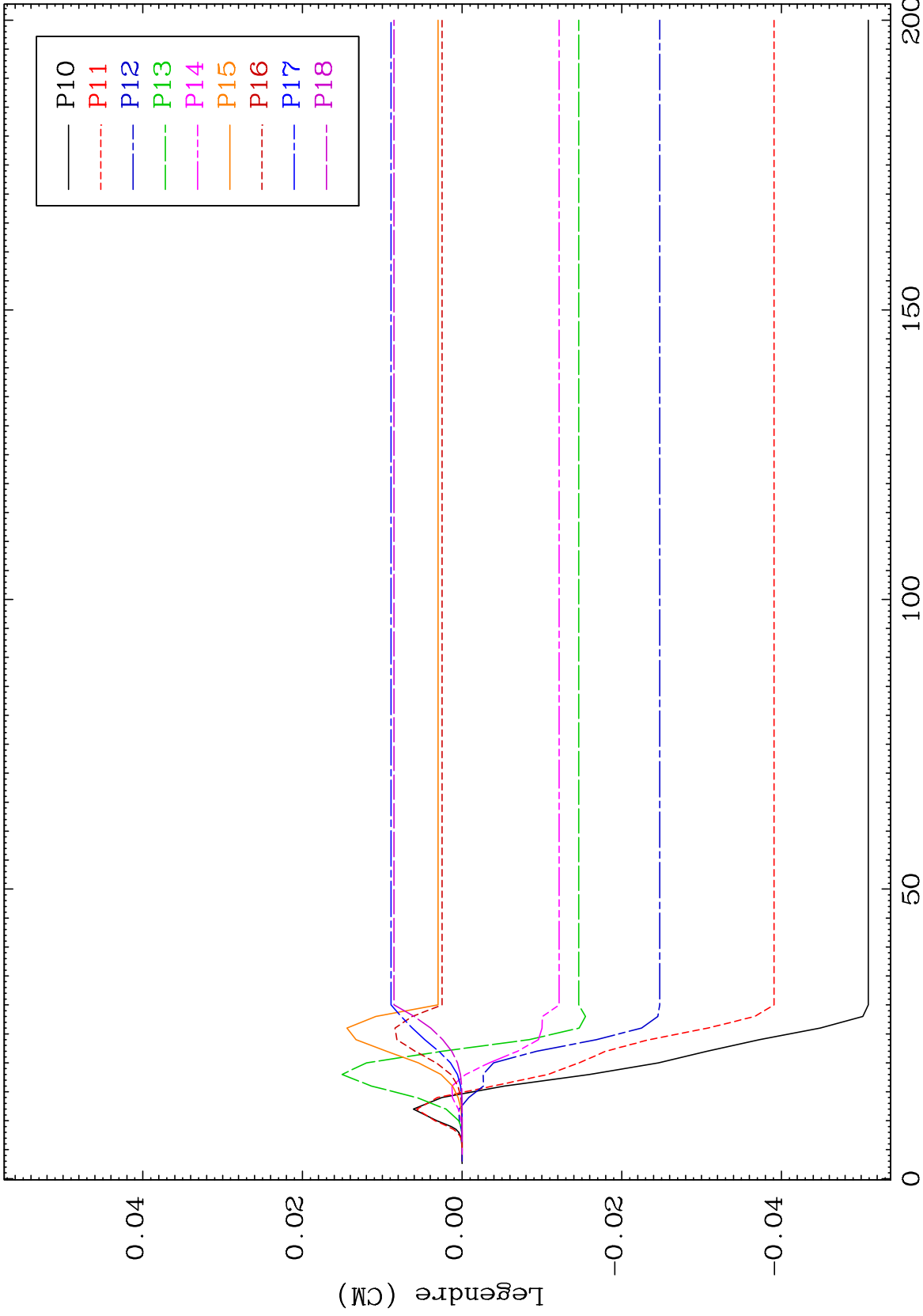
49-In-111



MAT 4919

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

49-In-111



112

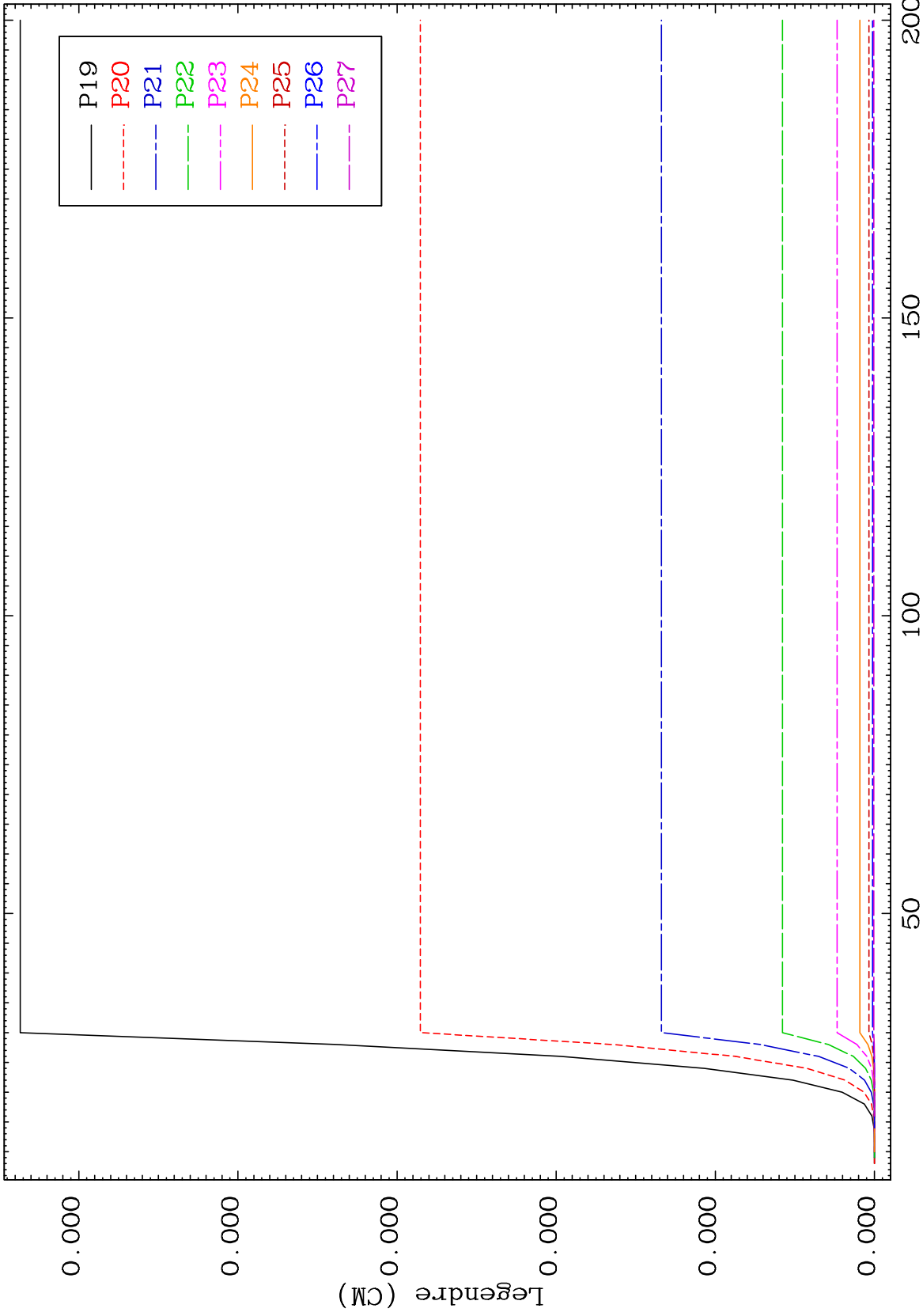
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



113

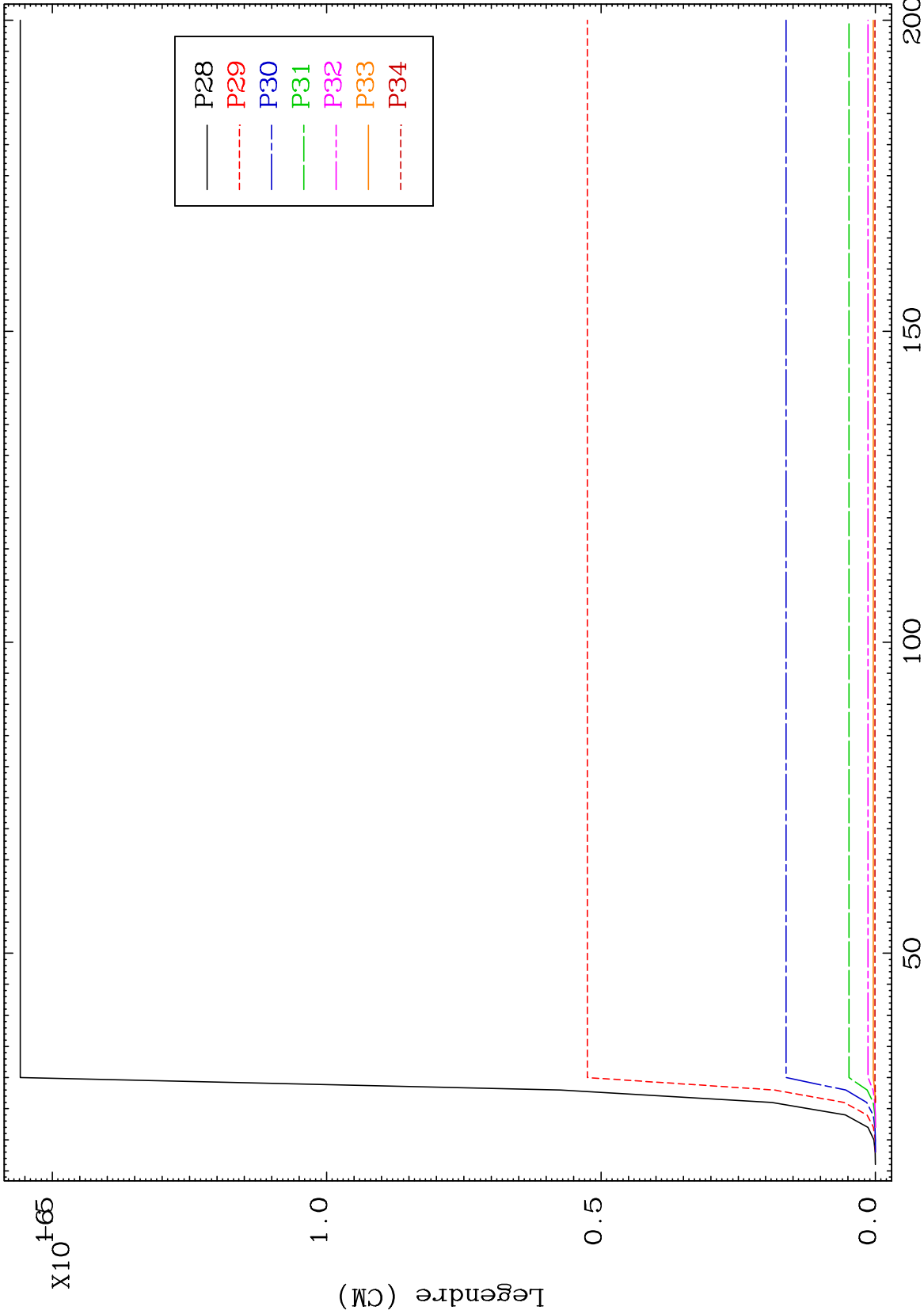
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



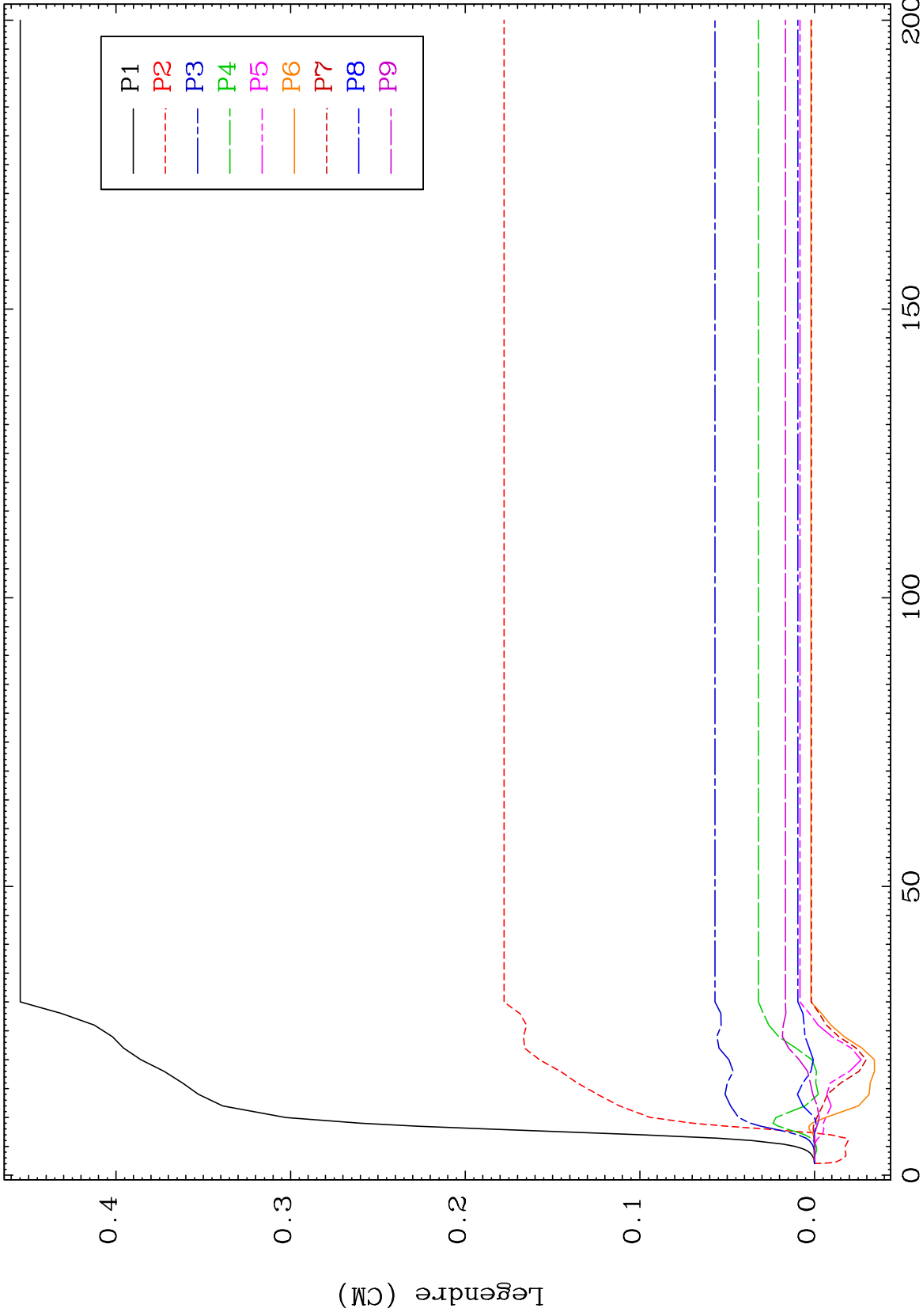
114

49-In-111

MAT 4919

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

49-In-111



115

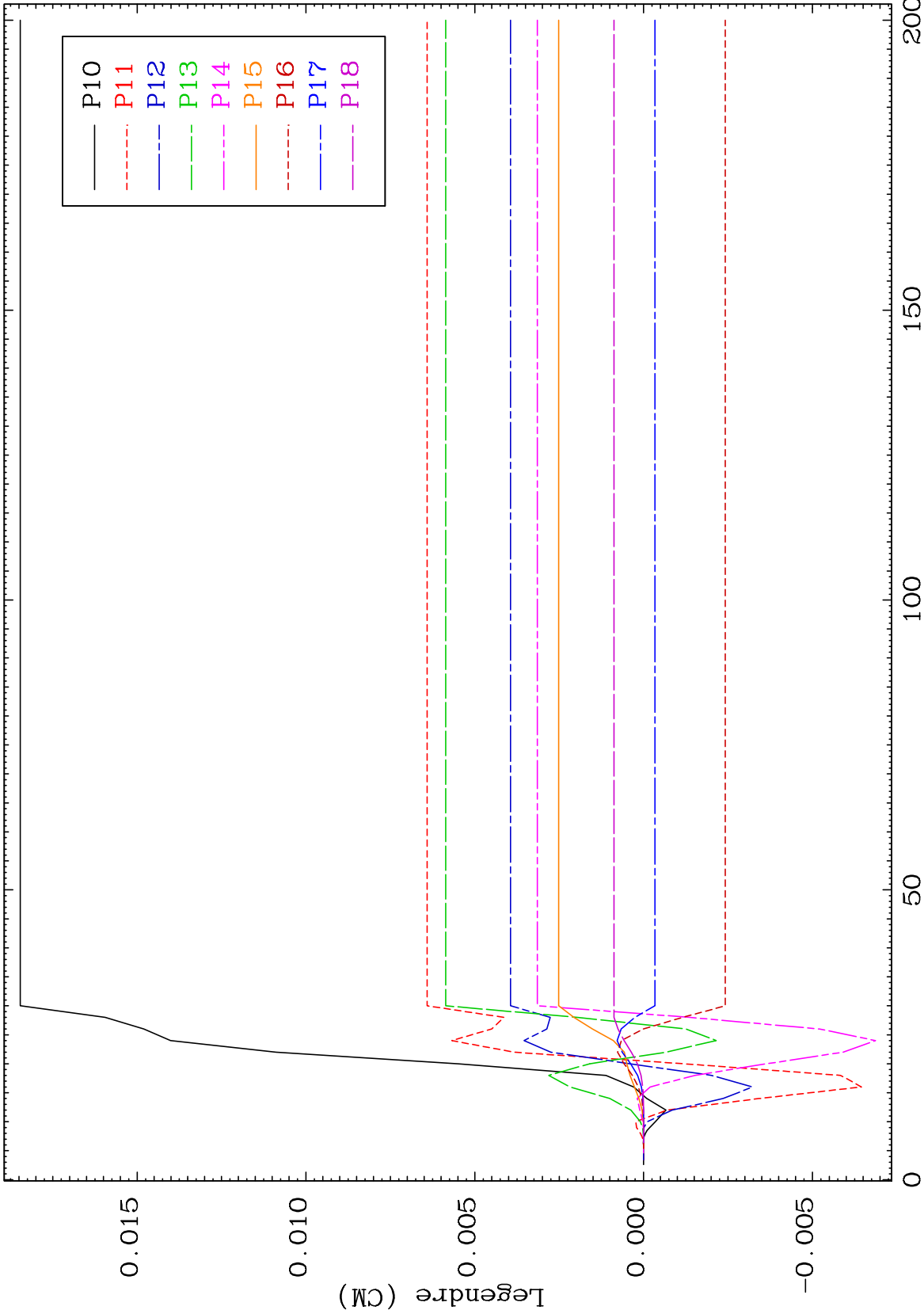
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



116

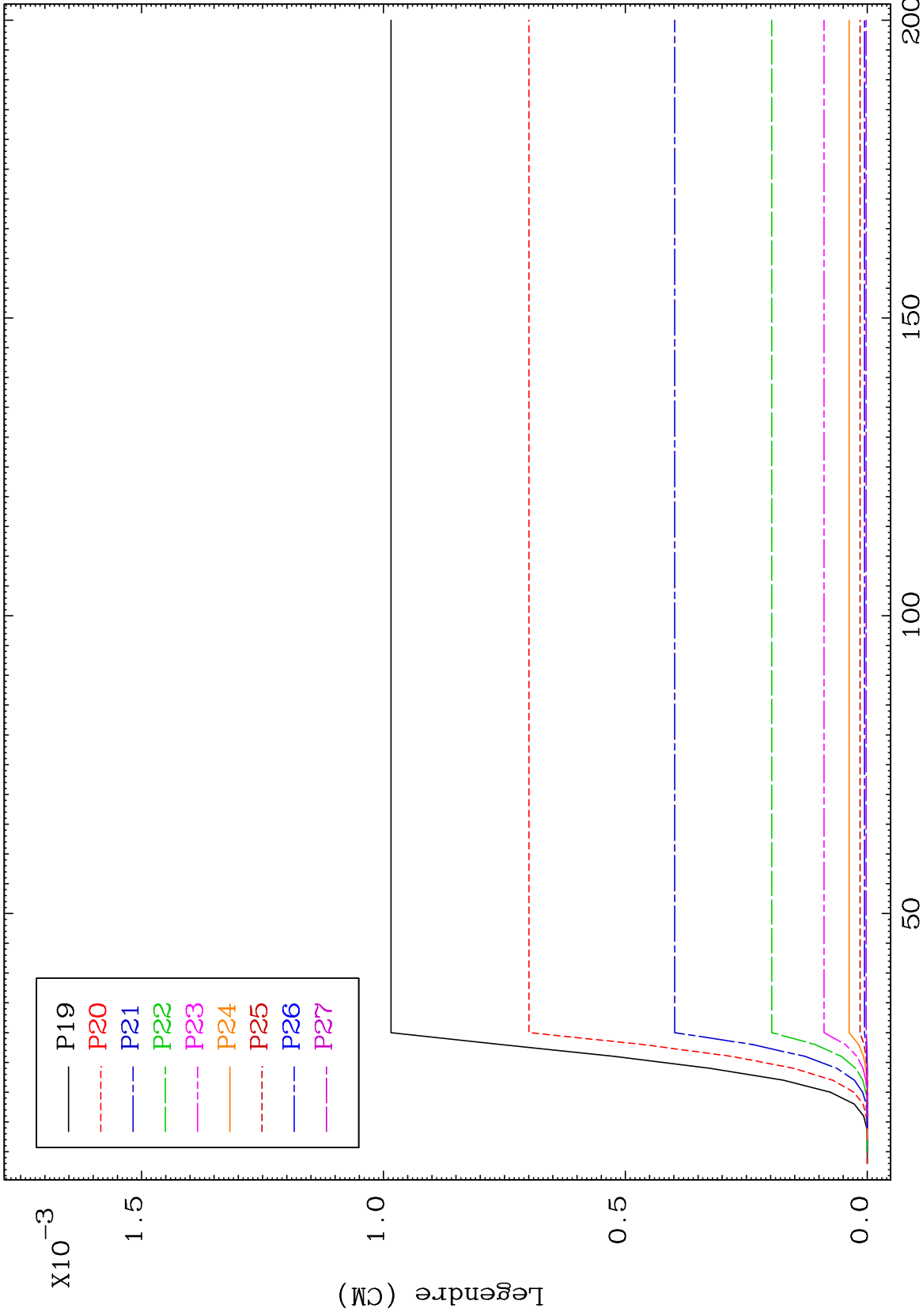
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



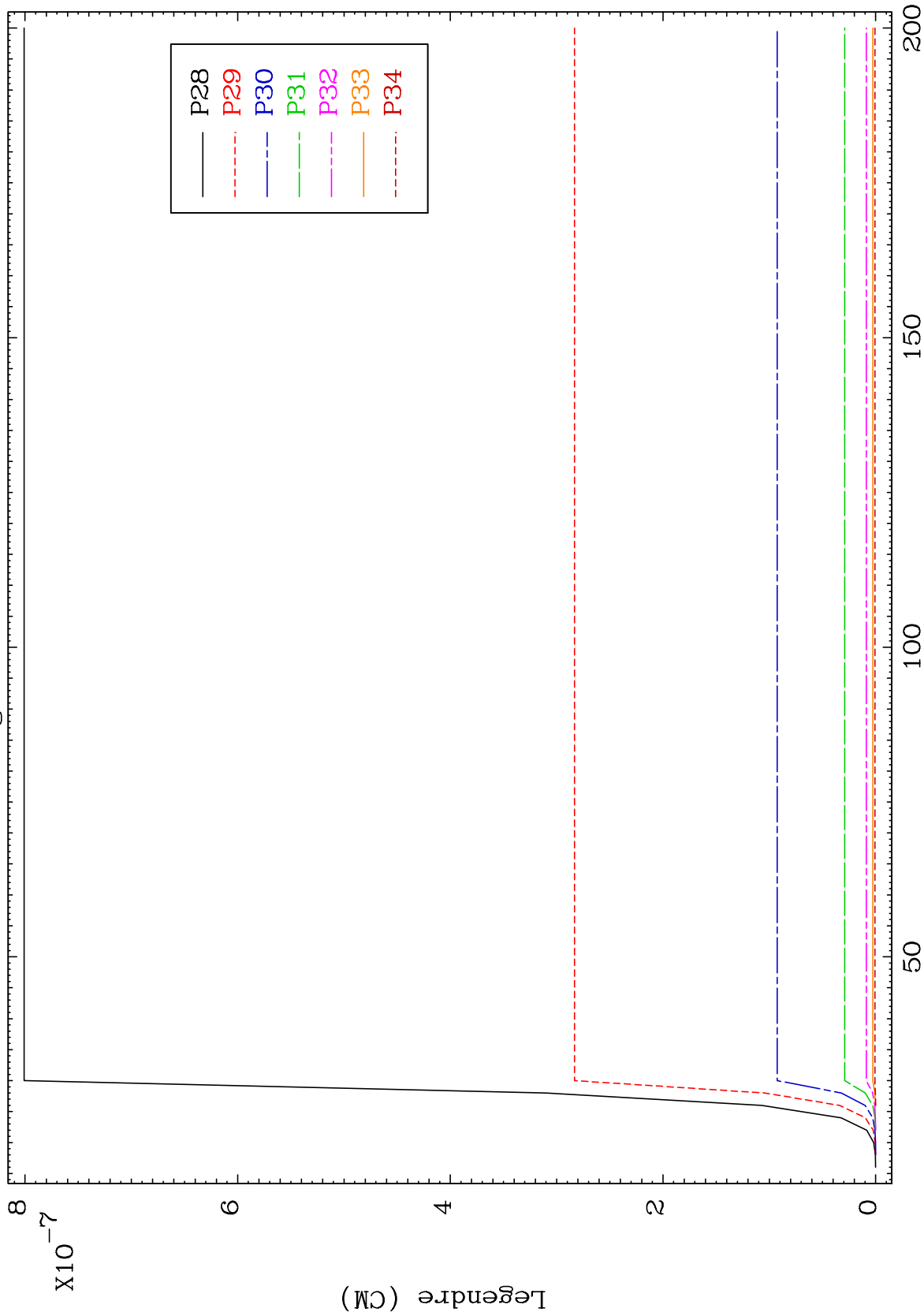
117

49-In-111

MAT 4919

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

49-In-111



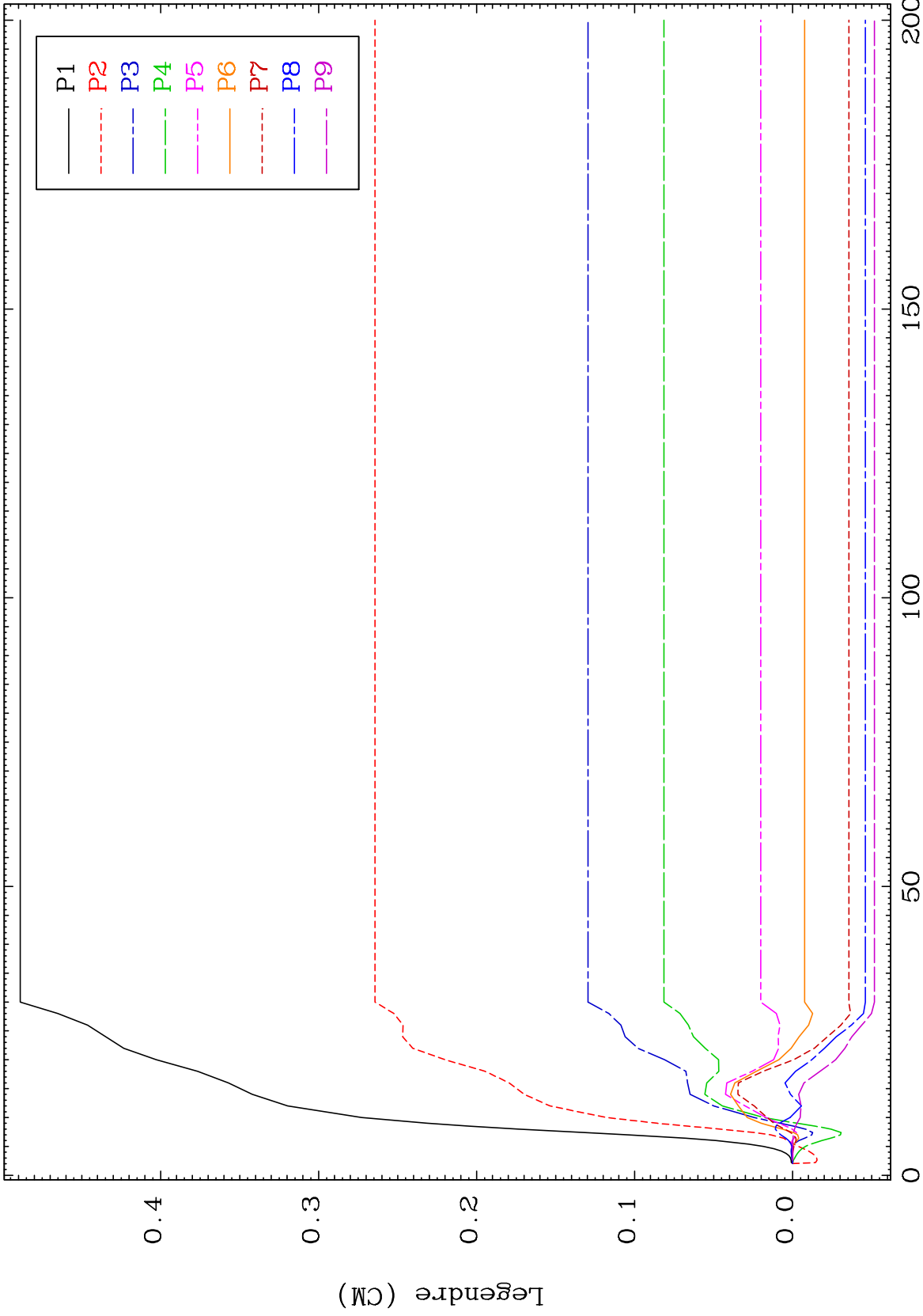
118

49-In-111

MAT 4919

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

49-In-111



119

Incident Energy (MeV)

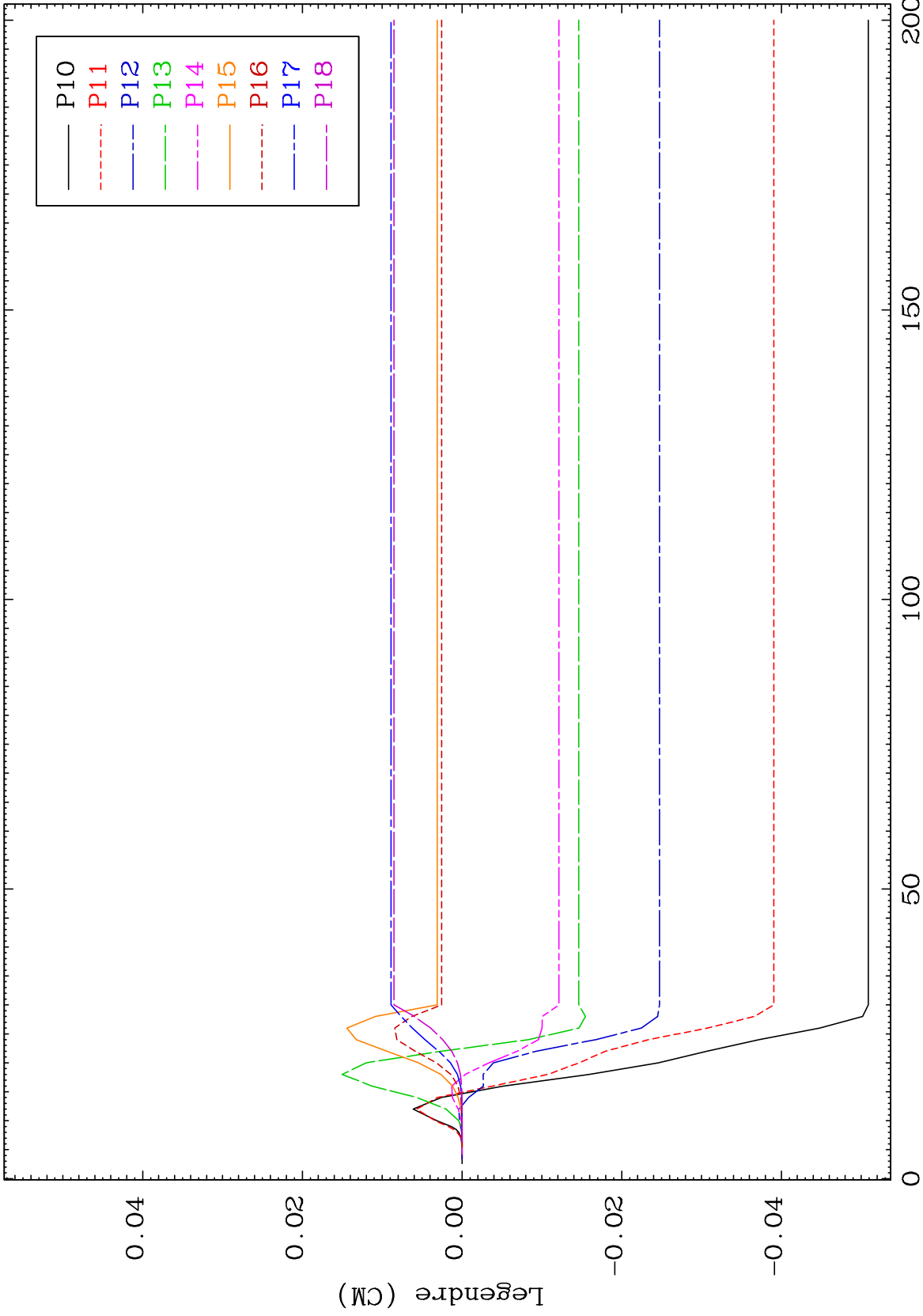
49-In-111



MAT 4919

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

49-In-111



120

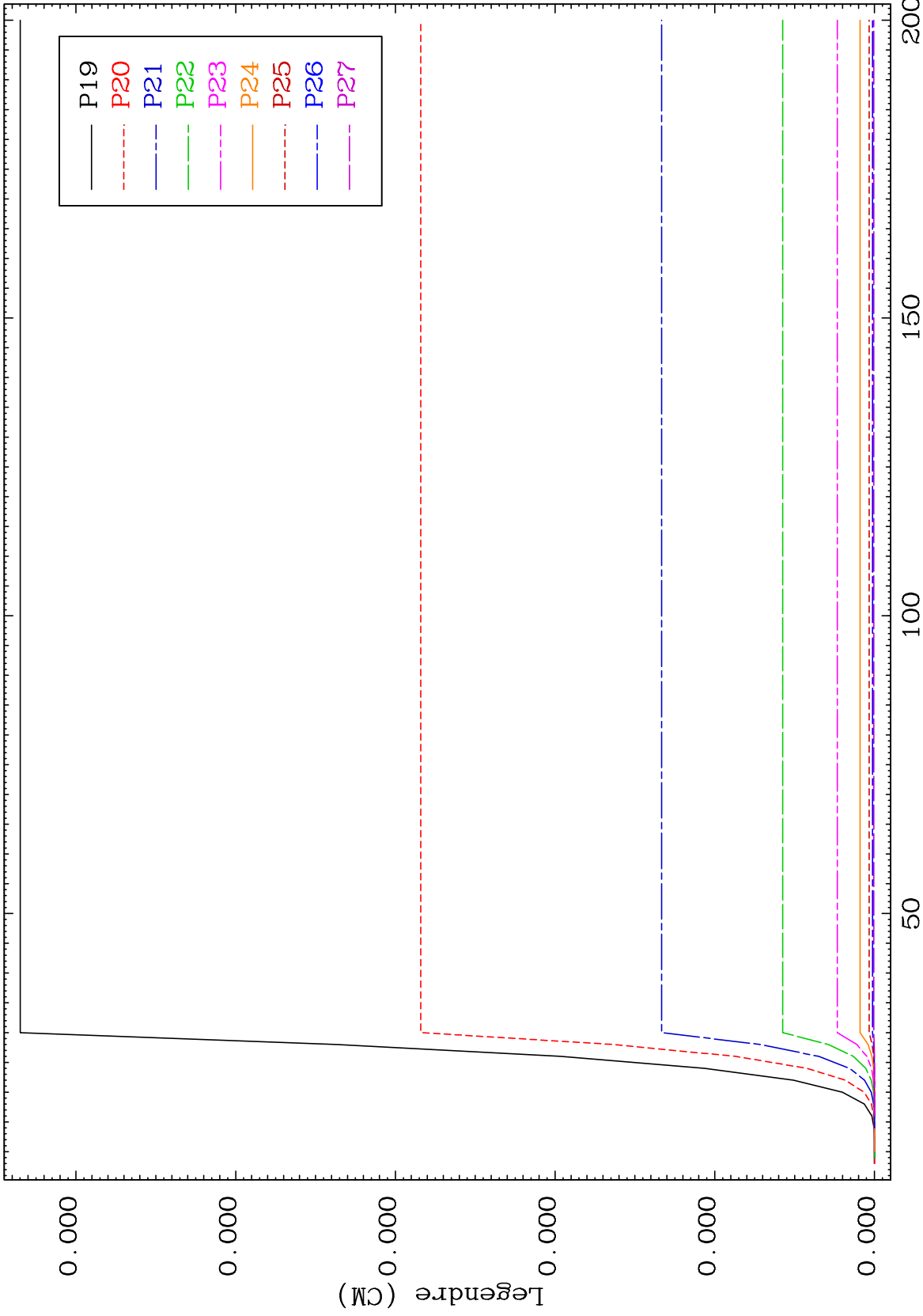
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



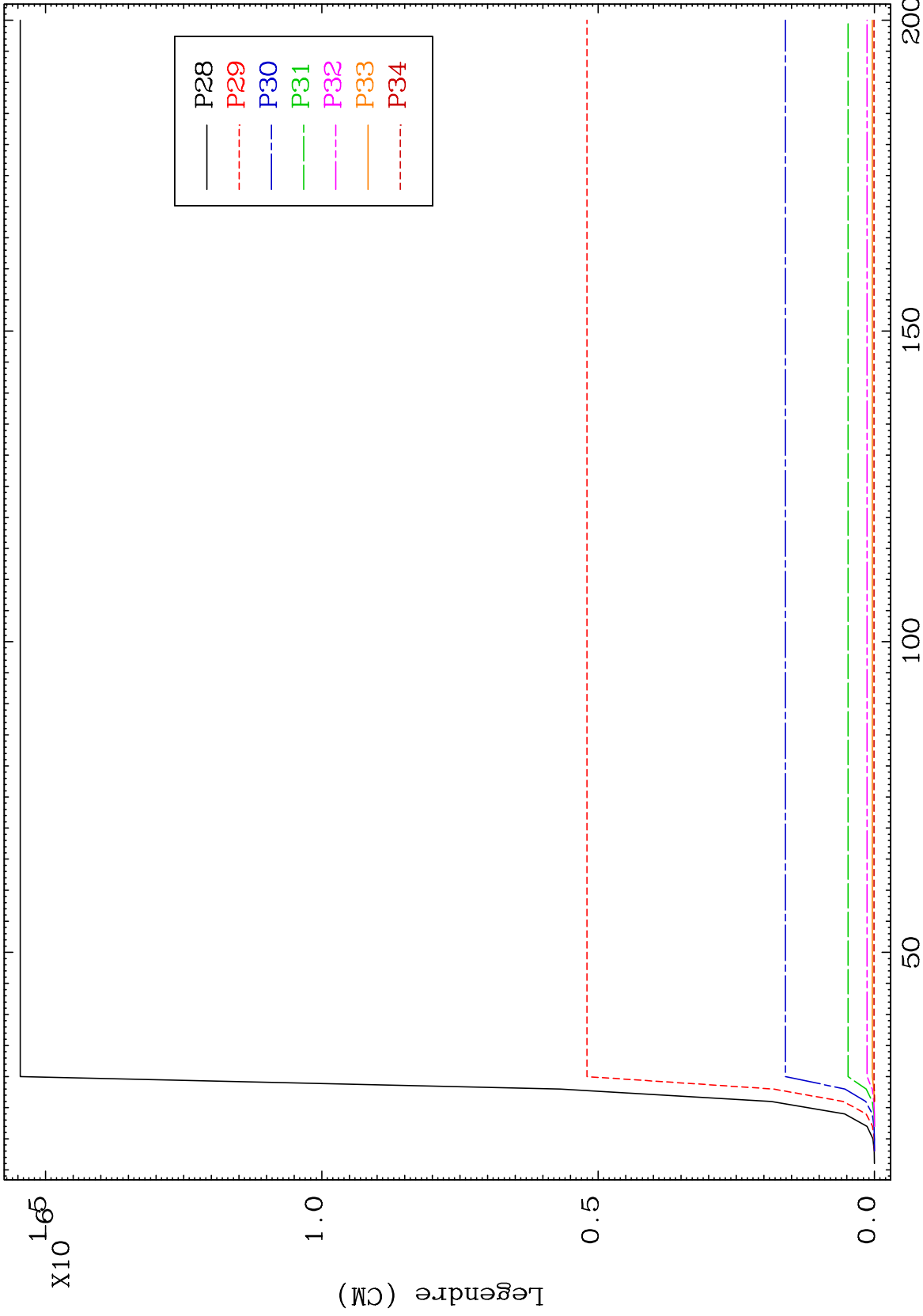
121

49-In-111

MAT 4919

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

49-In-111



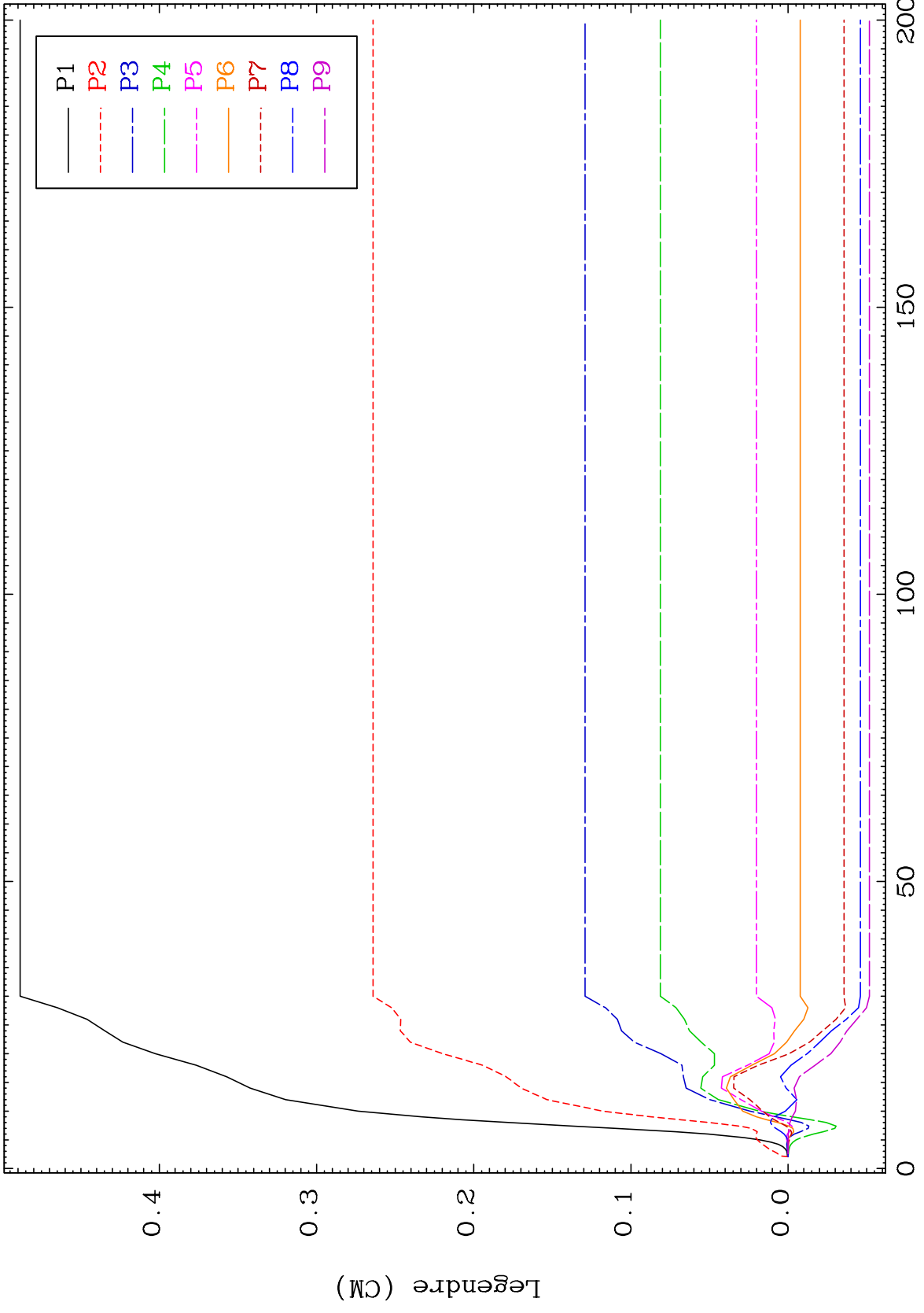
122

49-In-111

MAT 4919

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

49-In-111



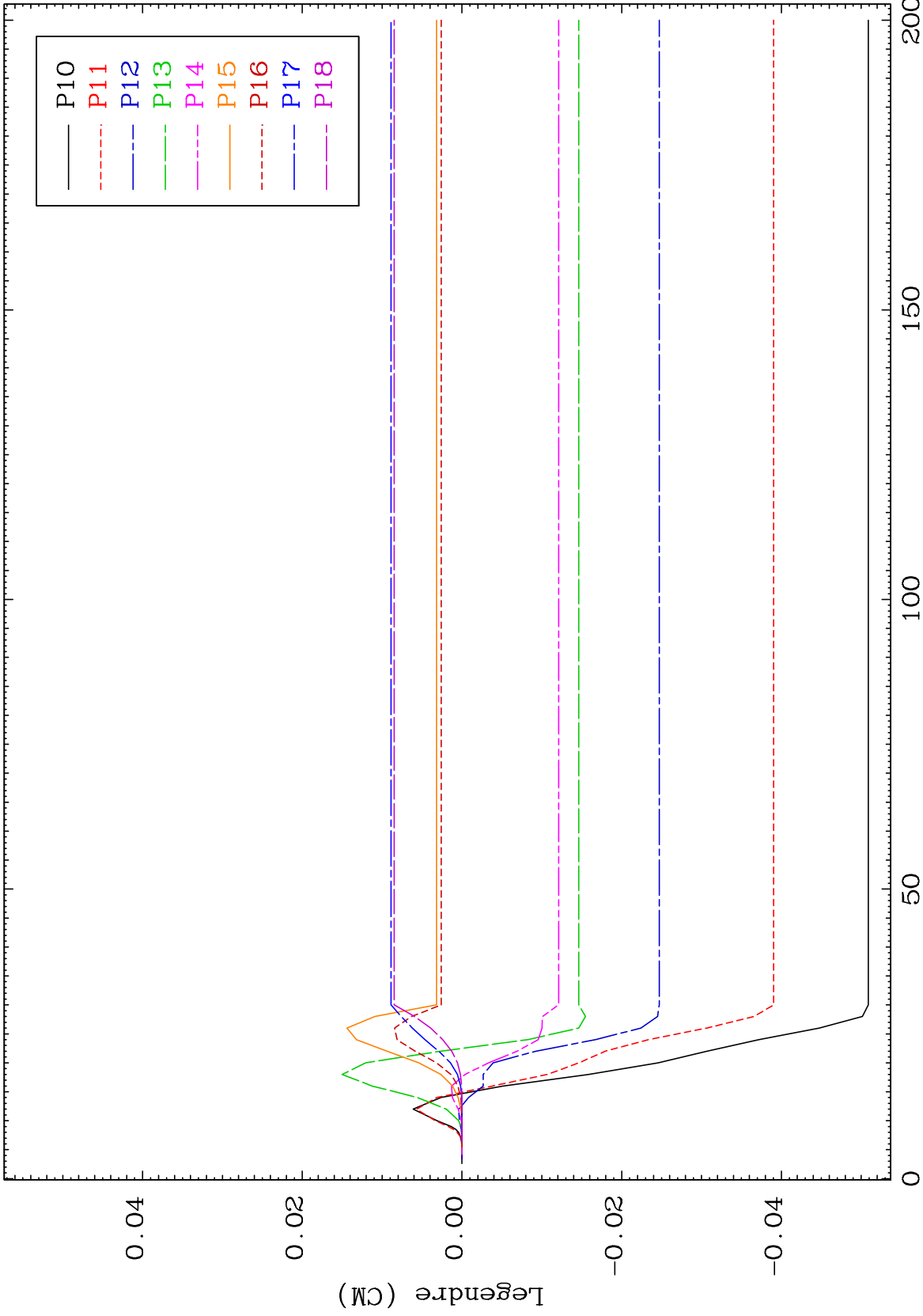
123

49-In-111

MAT 4919

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

49-In-111



124

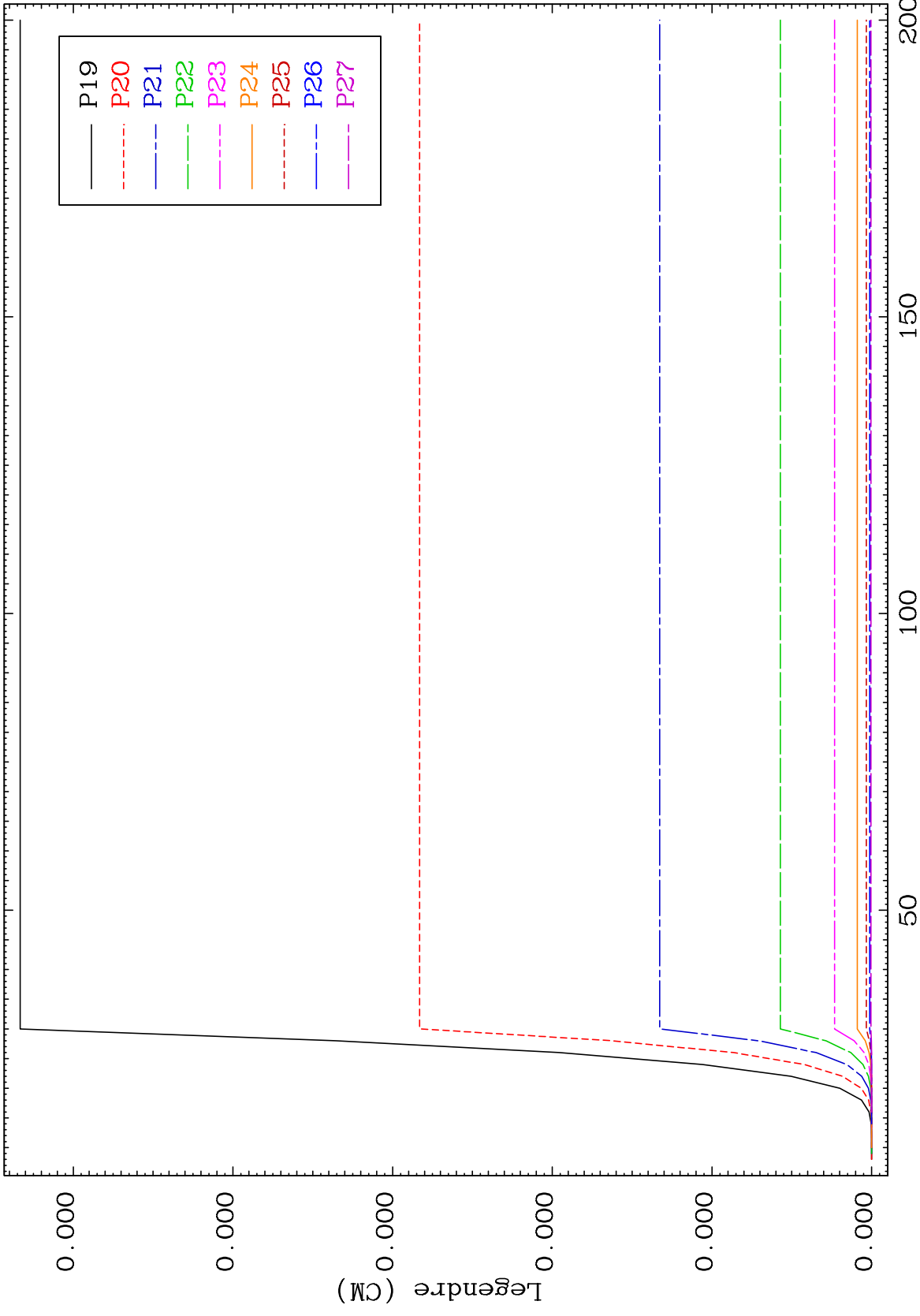
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



125

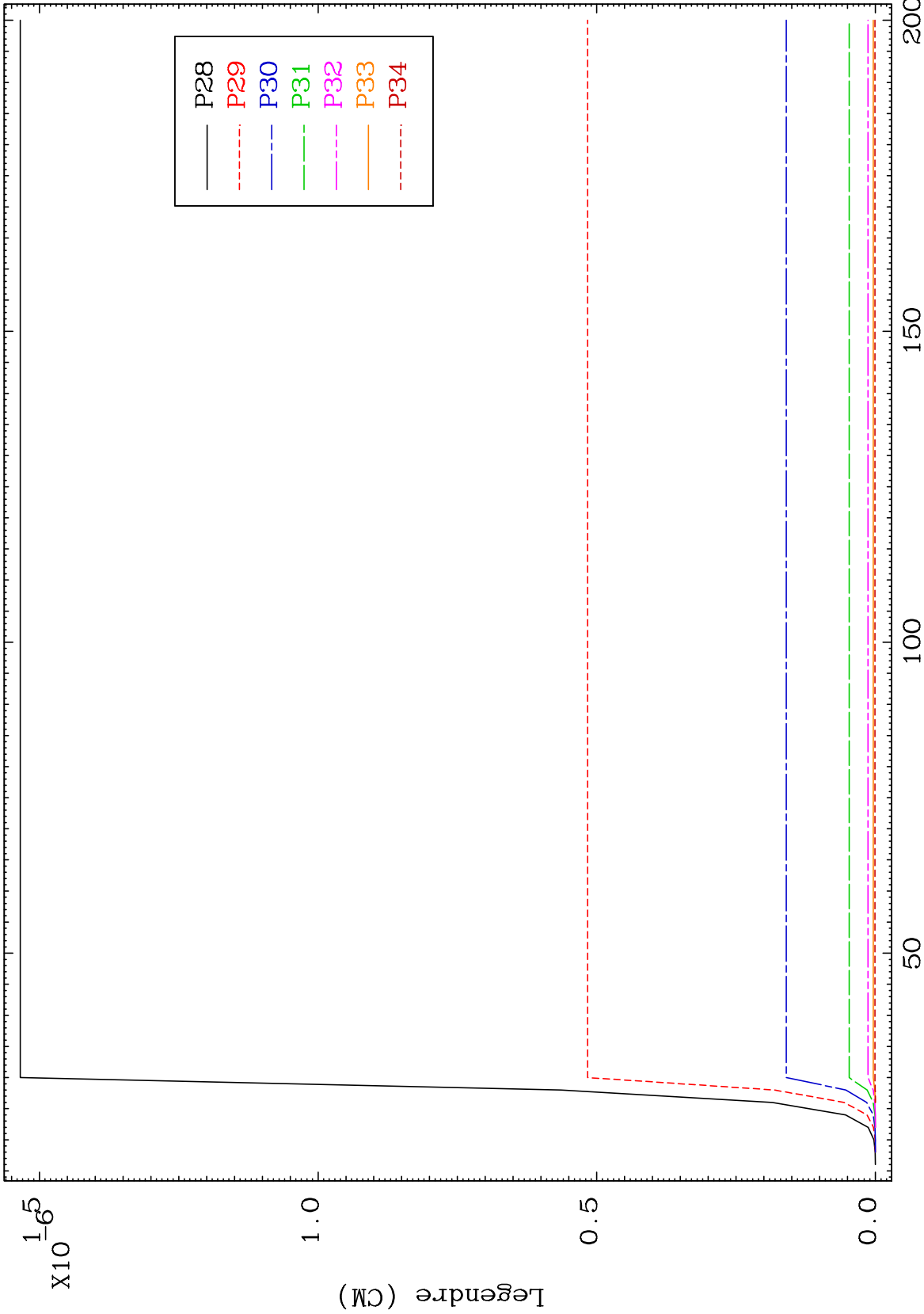
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



126

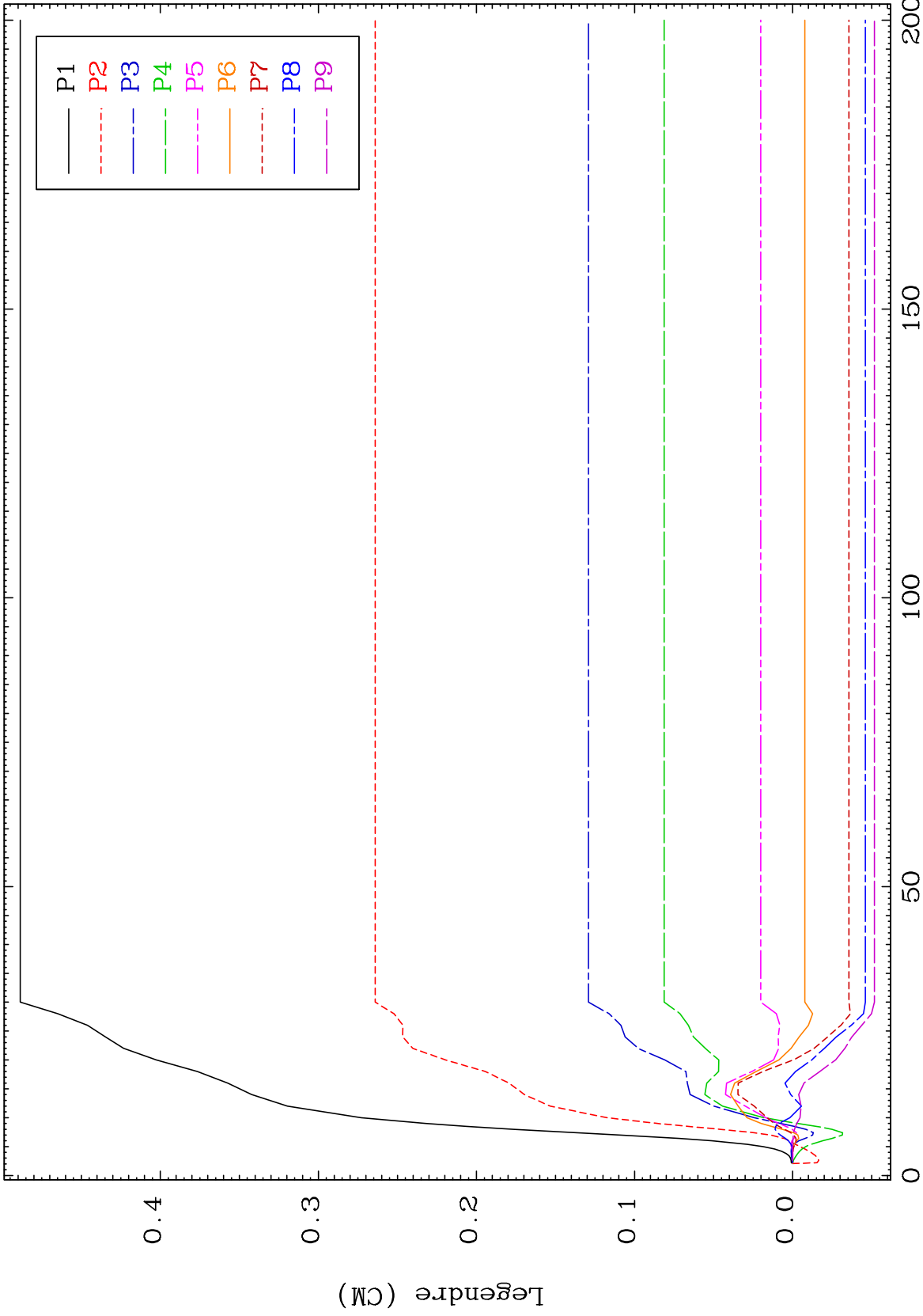
Incident Energy (MeV)

49-In-111

MAT 4919

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

49-In-111



127

Incident Energy (MeV)

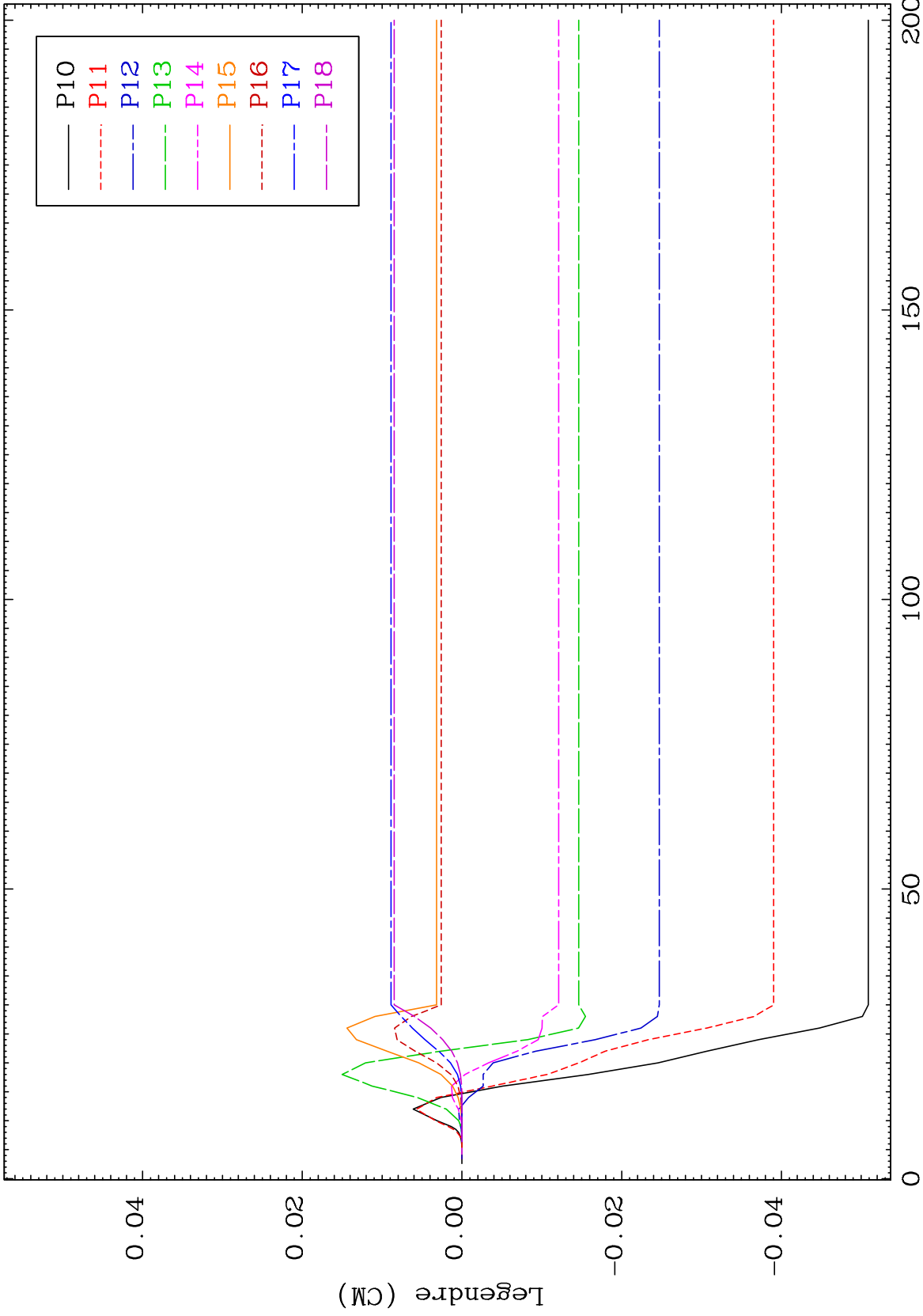
49-In-111



MAT 4919

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

49-In-111



128

Incident Energy (MeV)

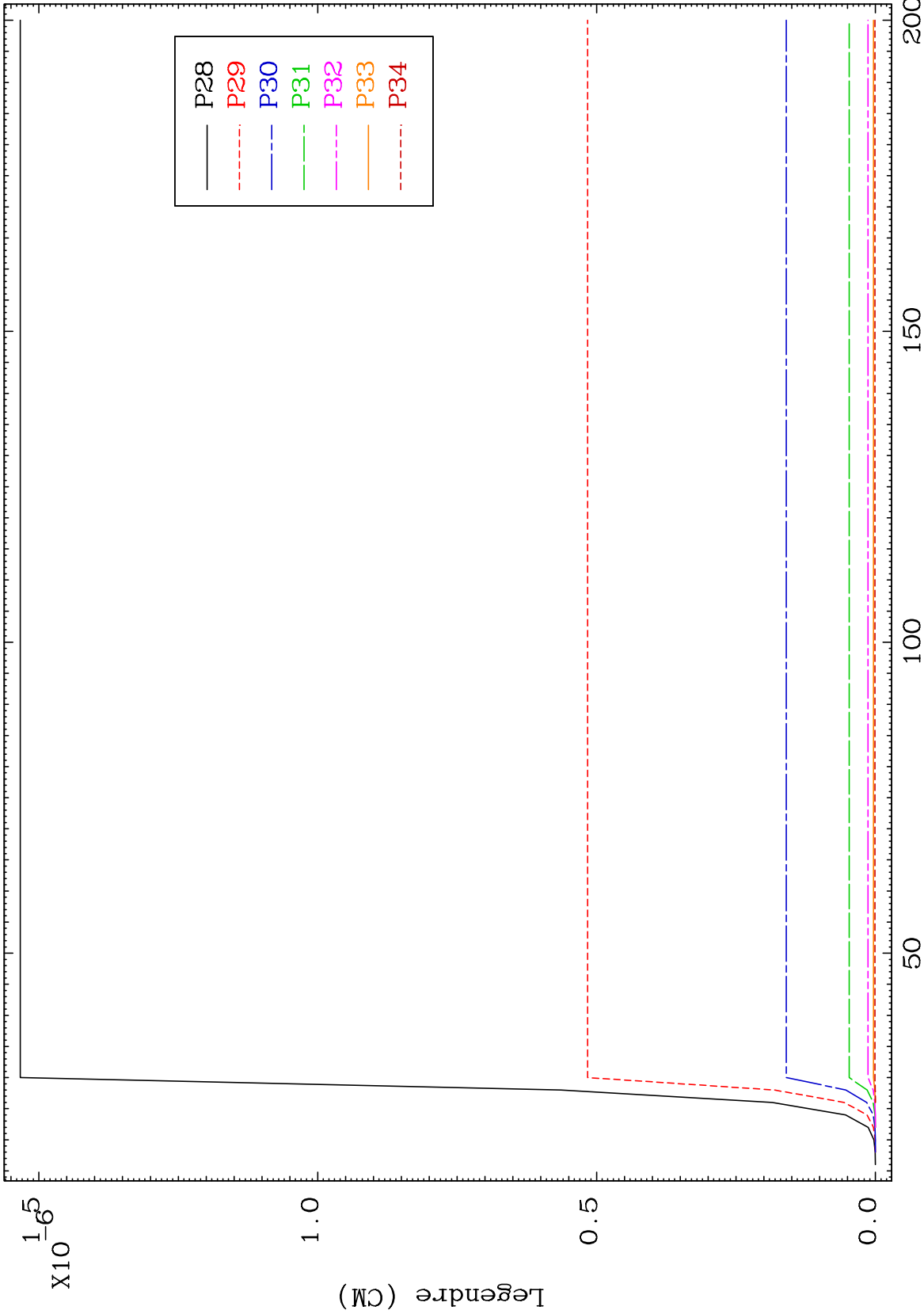
49-In-111



MAT 4919

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

49-In-111



130

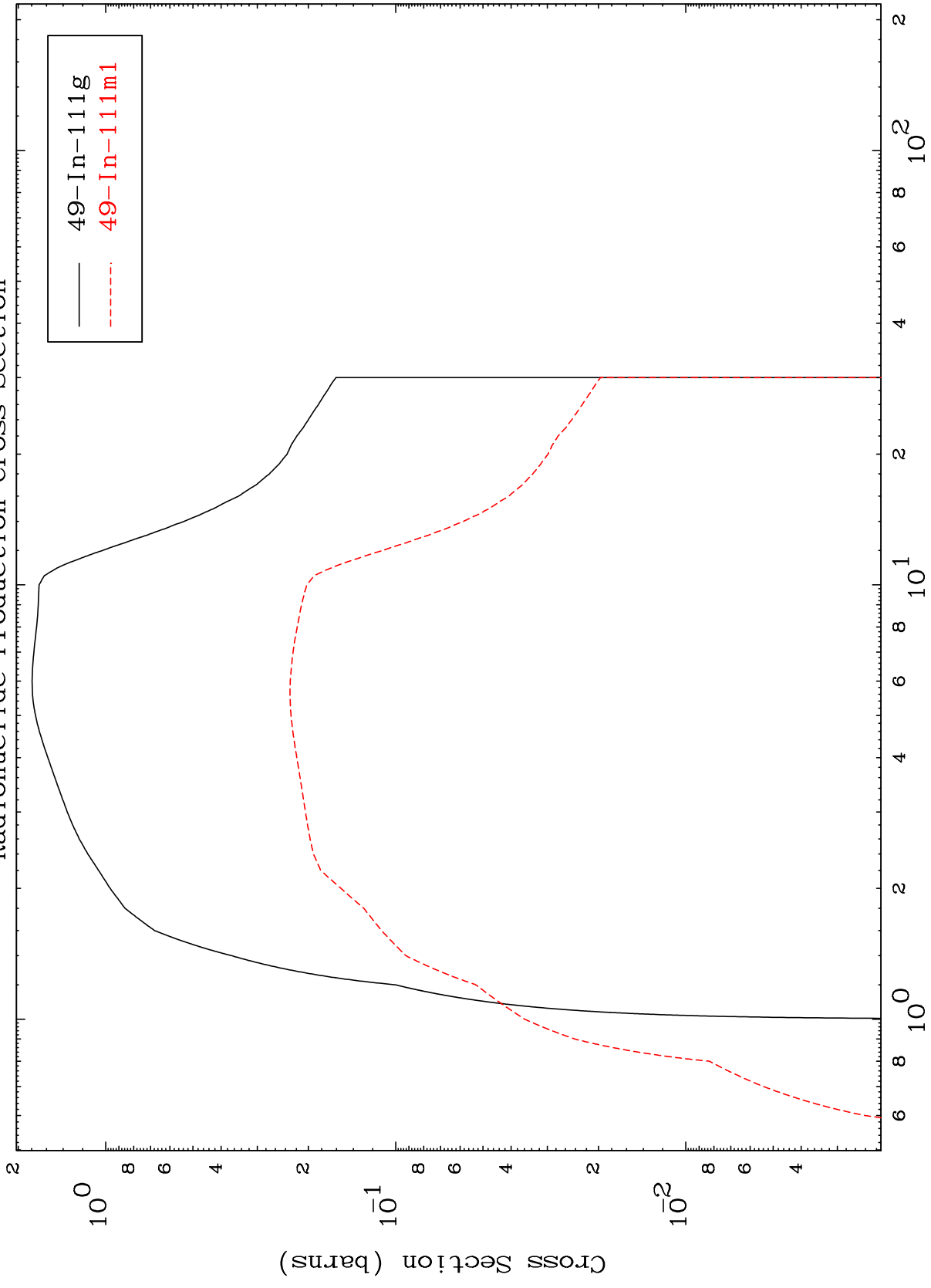
Incident Energy (MeV)

49-In-111

MAT 4919

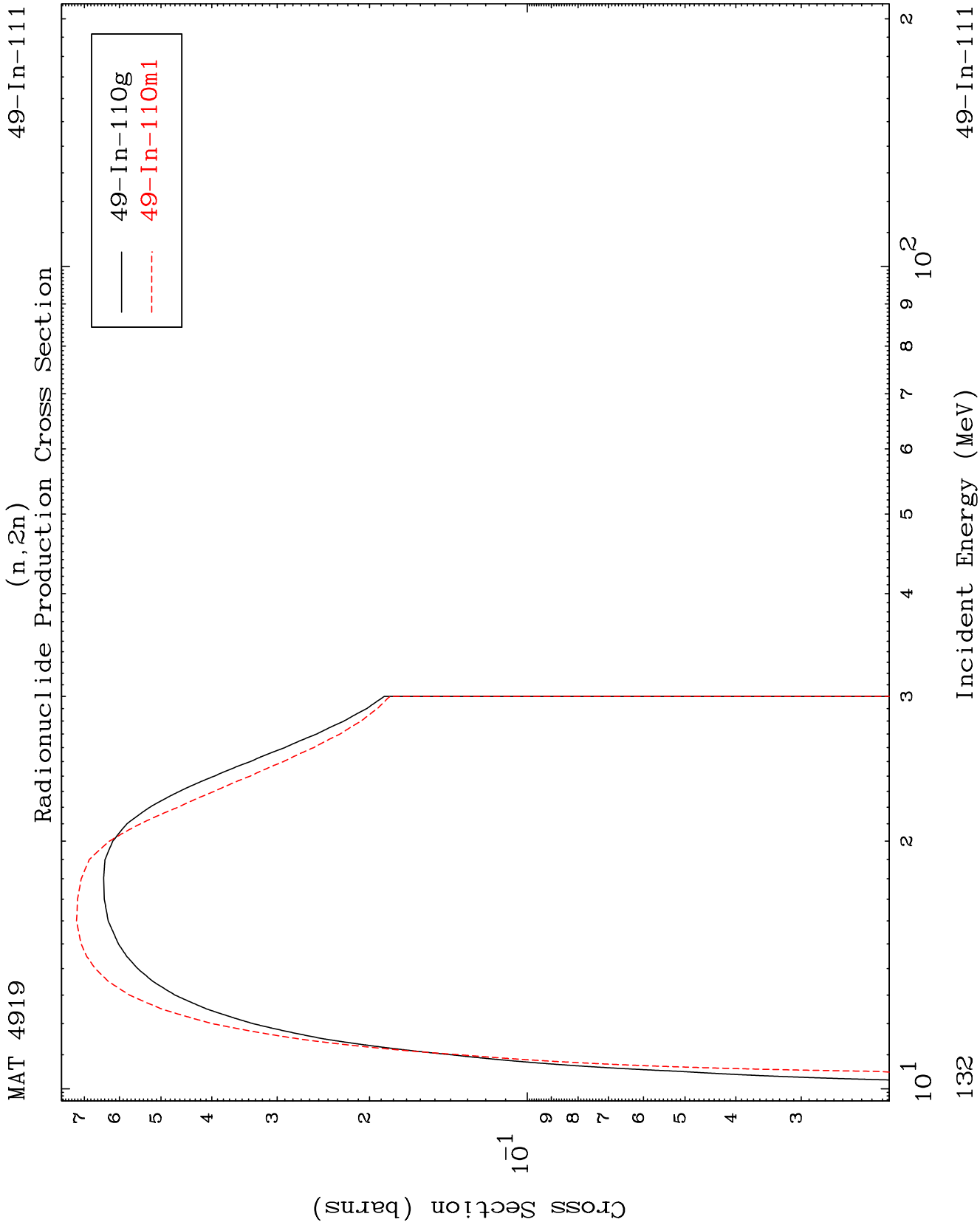
49-In-111

# Inelastic Radionuclide Production Cross Section



131

49-In-111

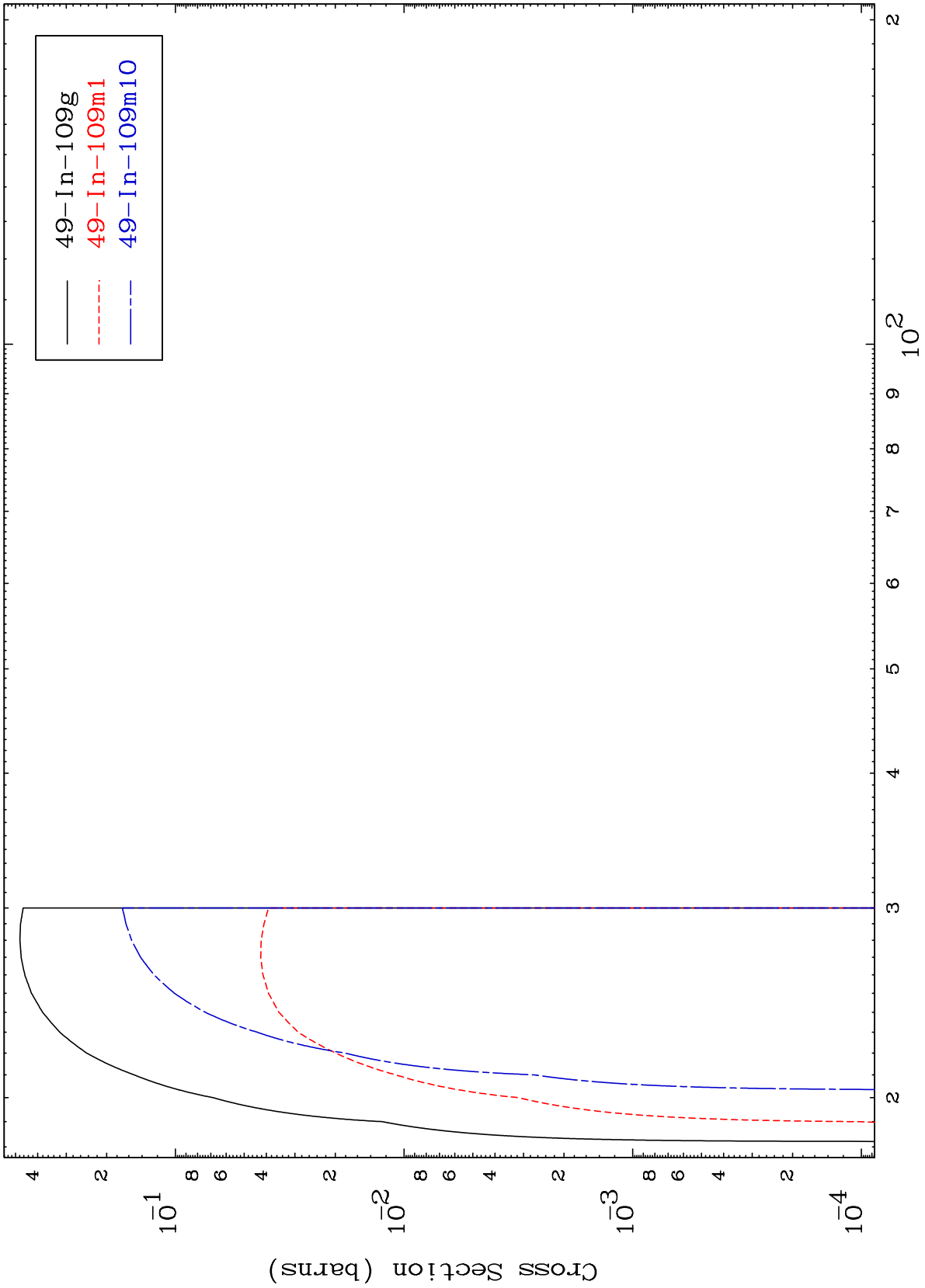


MAT 4919

(n,3n)

49-In-111

Radionuclide Production Cross Section



133

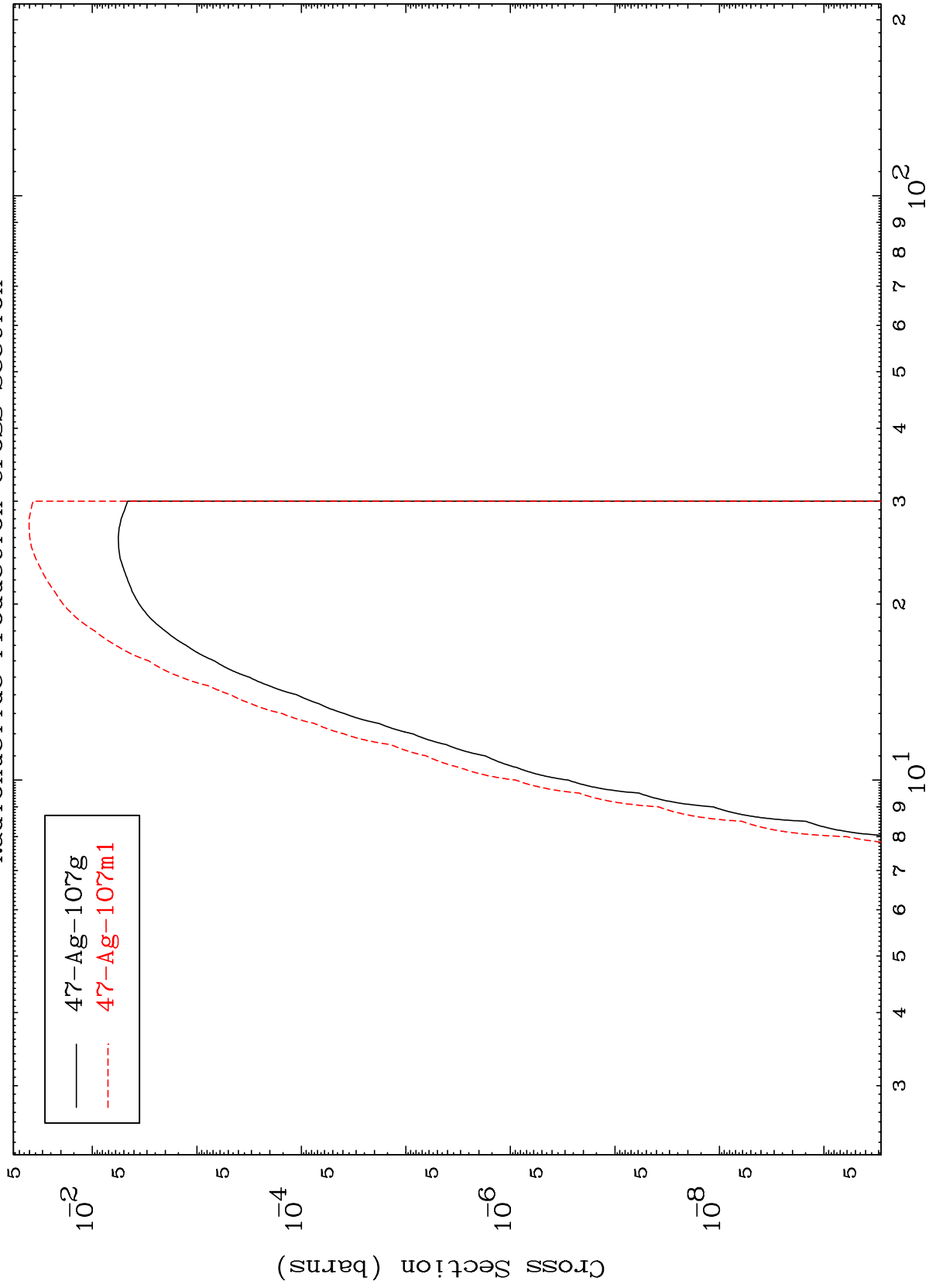
Incident Energy (MeV)

49-In-111

MAT 4919

49-In-111

(n,n')  $\alpha$   
Radionuclide Production Cross Section



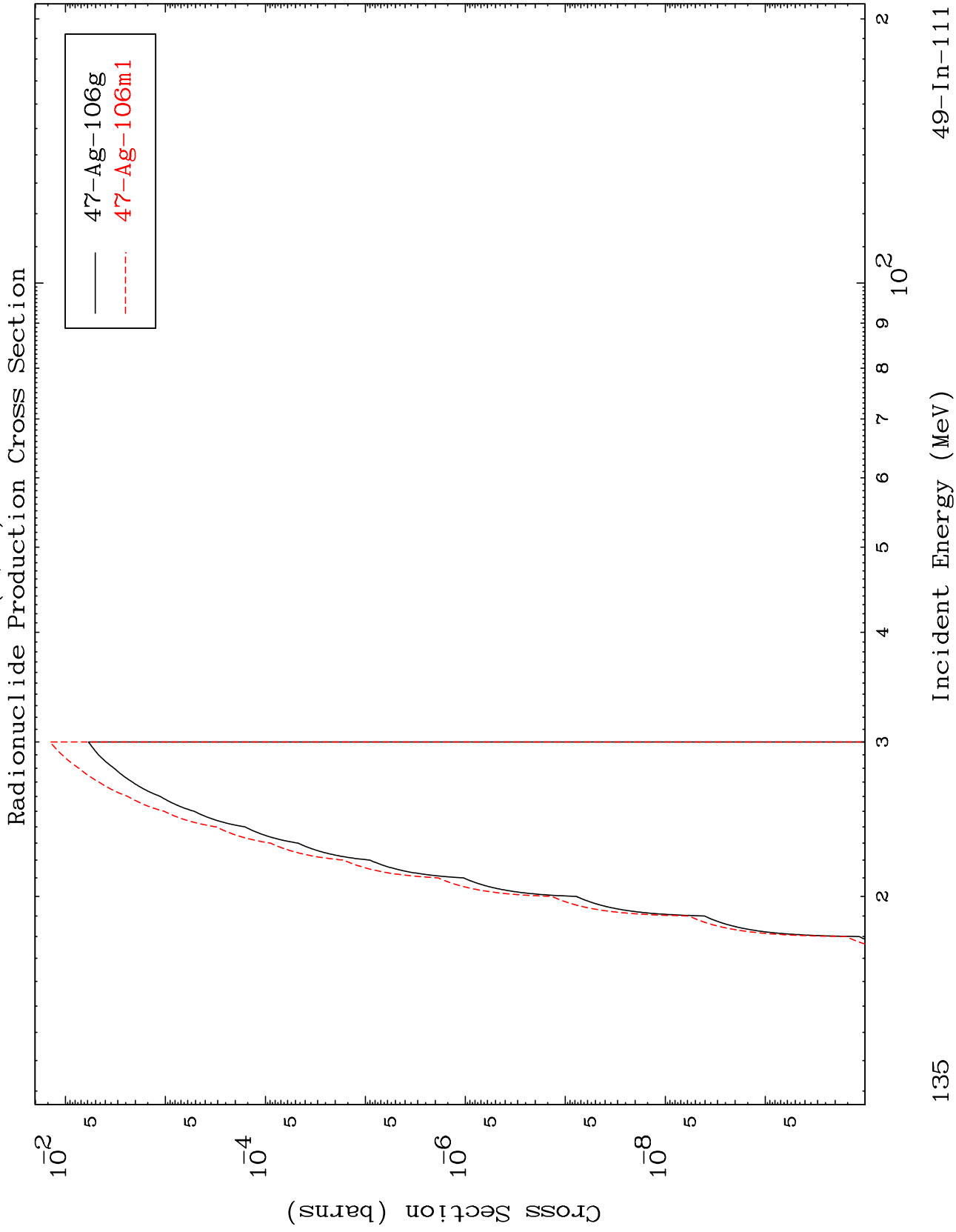
134

49-In-111

MAT 4919

(n,2n)  $\alpha$

49-In-111



135

49-In-111

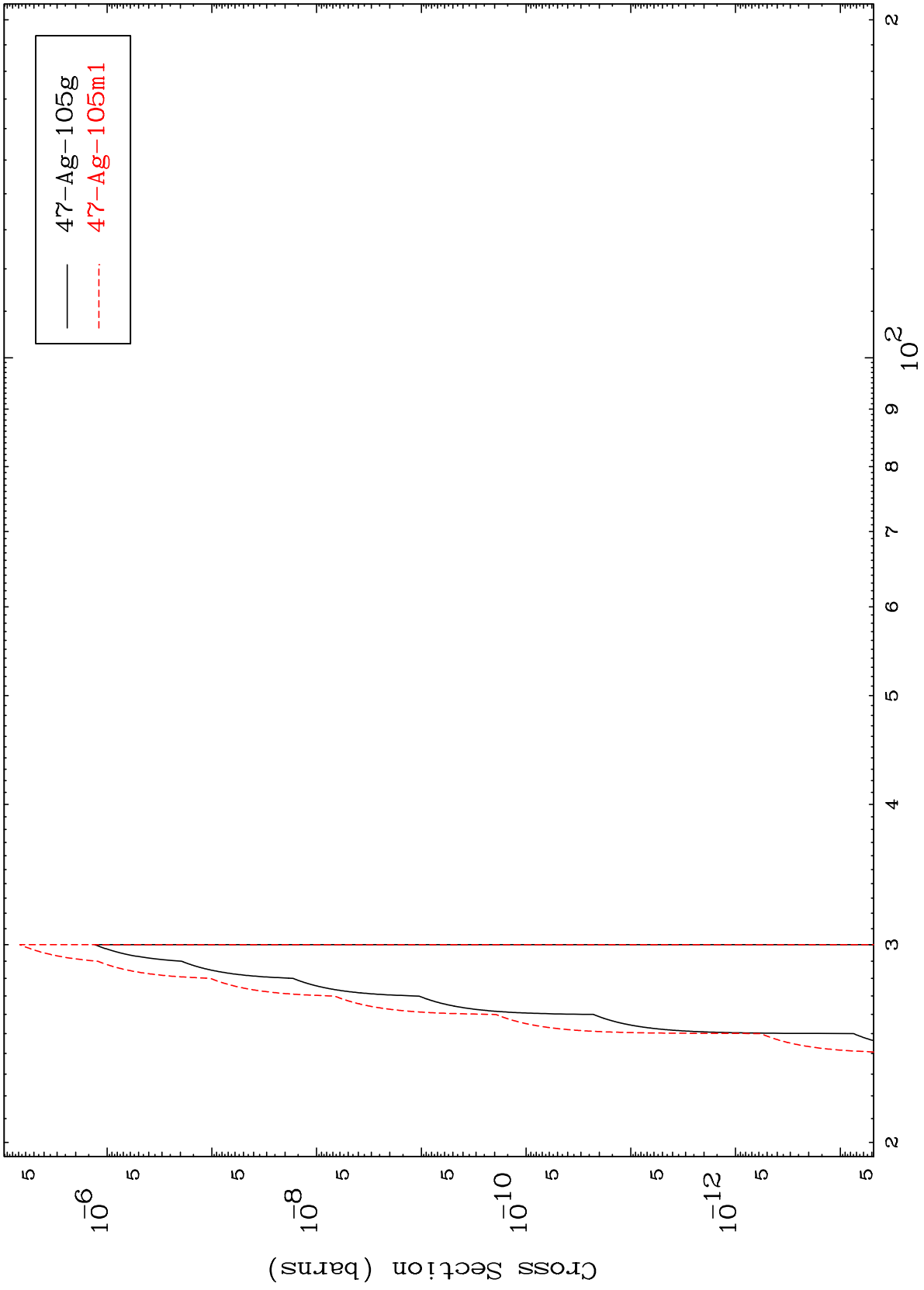


MAT 4919

(n,3n)  $\alpha$

49-In-111

Radionuclide Production Cross Section



136

Incident Energy (MeV)

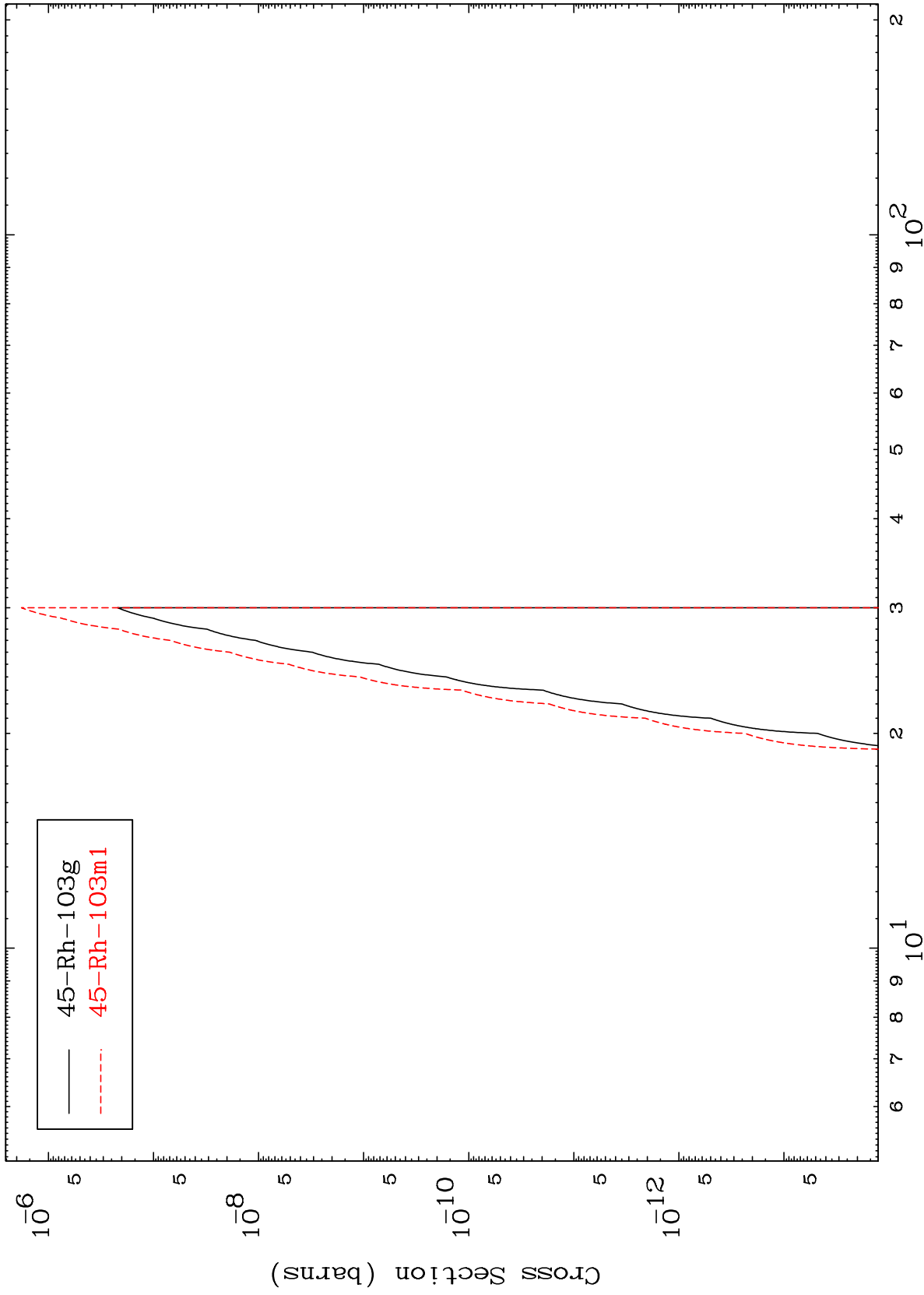
49-In-111

MAT 4919

(n, n') 2α

49-In-111

Radionuclide Production Cross Section



137

Incident Energy (MeV)

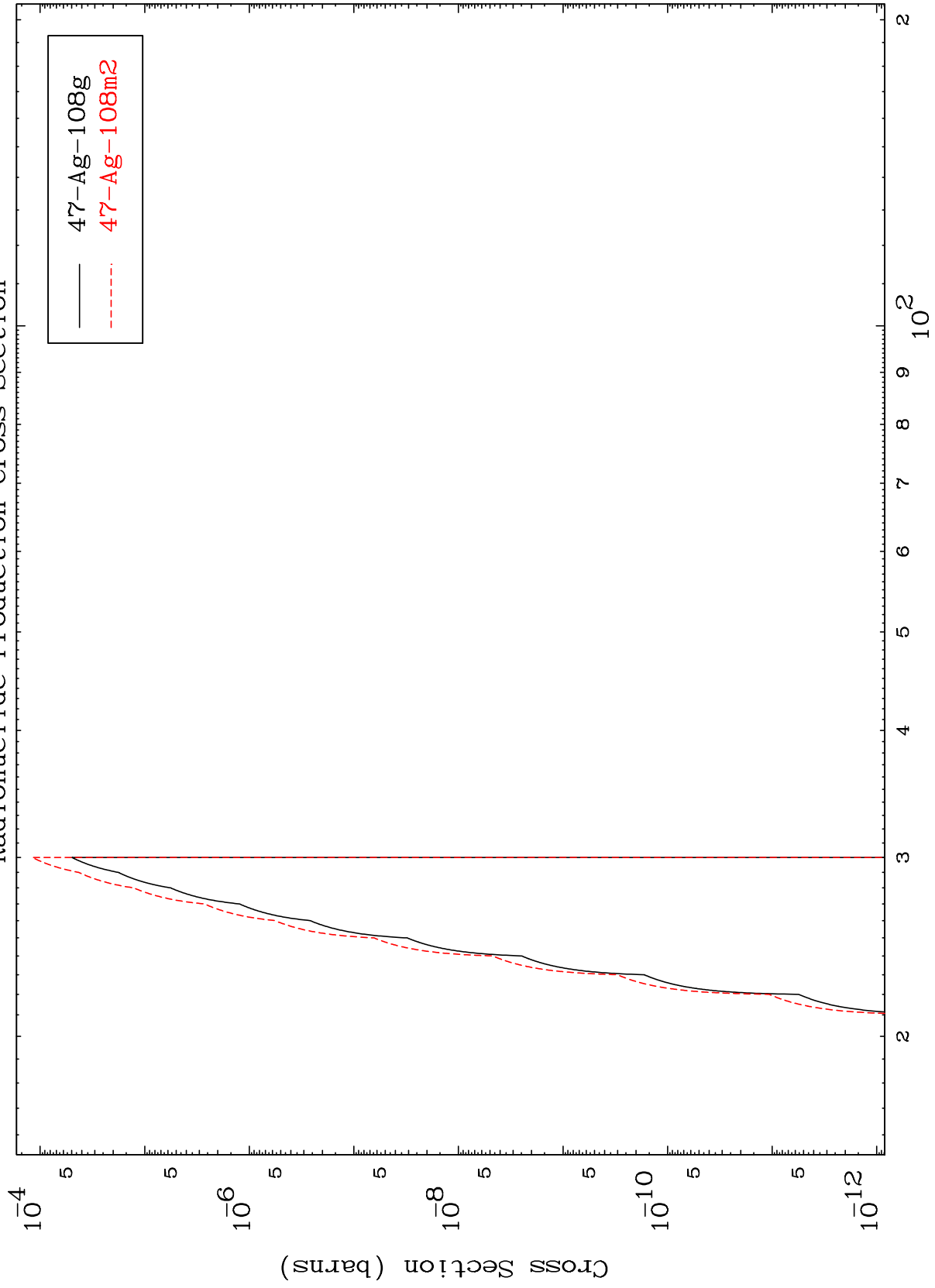
49-In-111

MAT 4919

(n, n') He-3

49-In-111

Radionuclide Production Cross Section



138

Incident Energy (MeV)

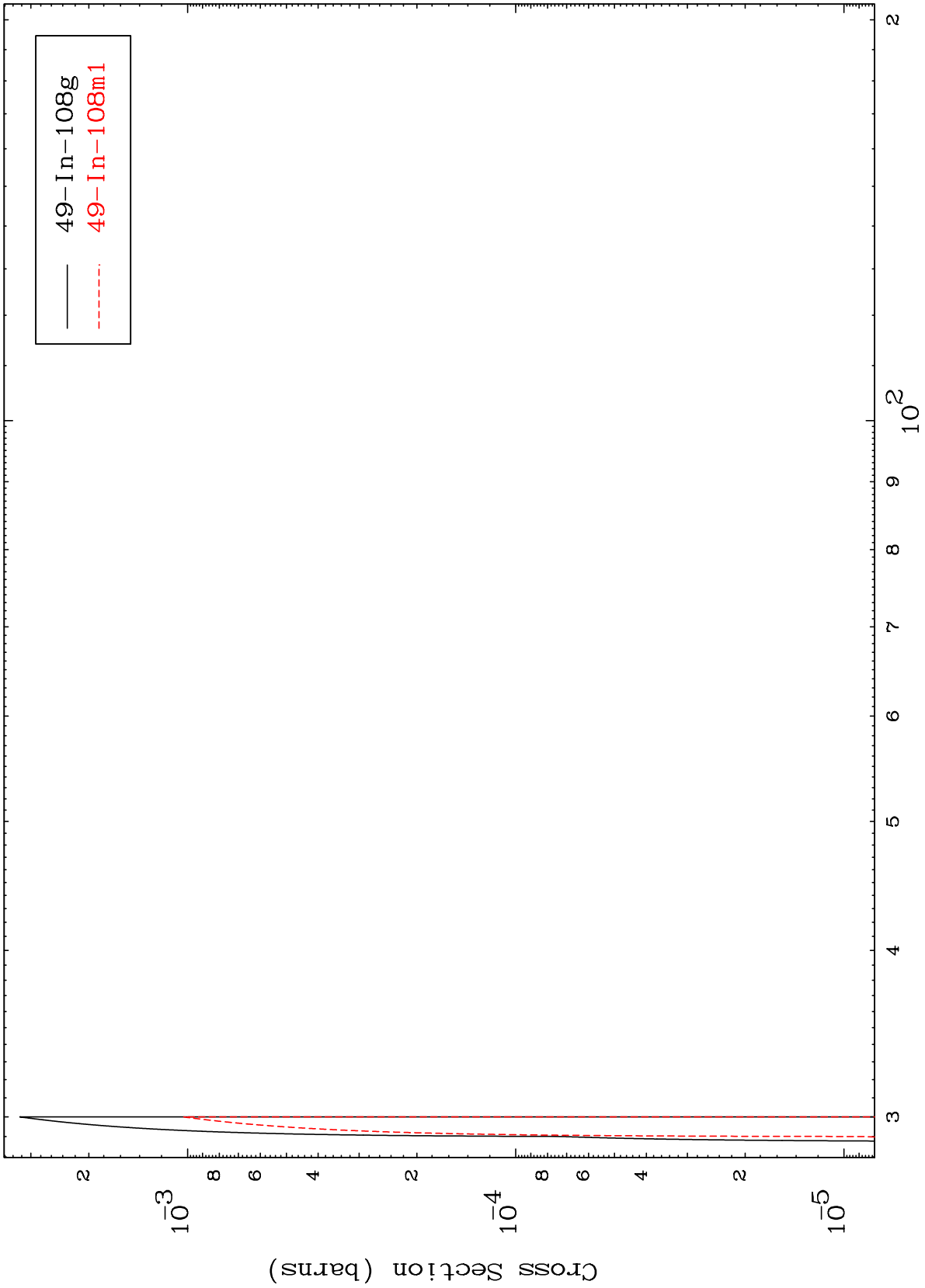
49-In-111

MAT 4919

(n,4n)

49-In-111

Radionuclide Production Cross Section



49-In-108g  
49-In-108m1

139

Incident Energy (MeV)

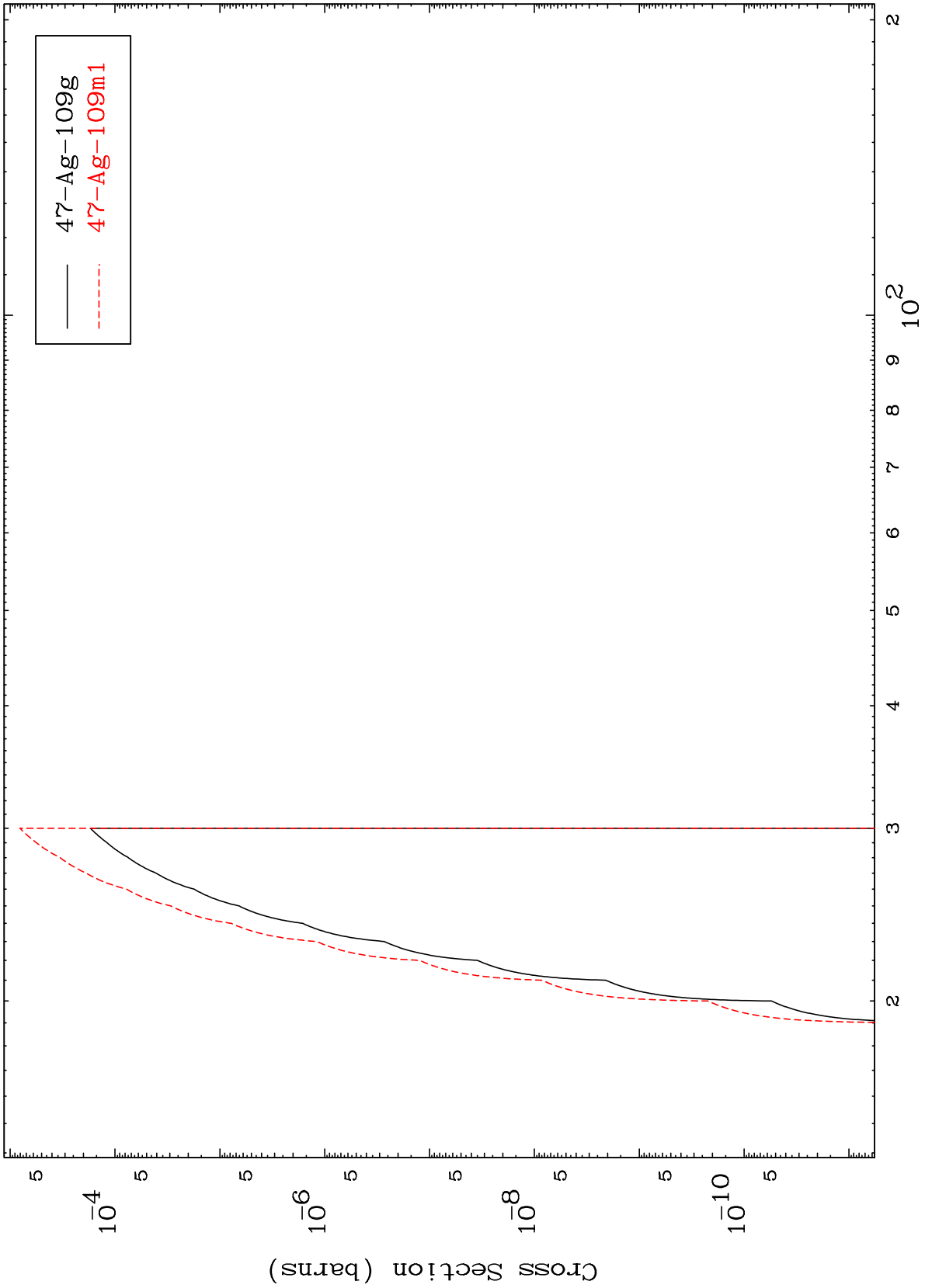
49-In-111

MAT 4919

(n,2n) p

49-In-111

Radionuclide Production Cross Section



47-Ag-109g  
47-Ag-109m1

140

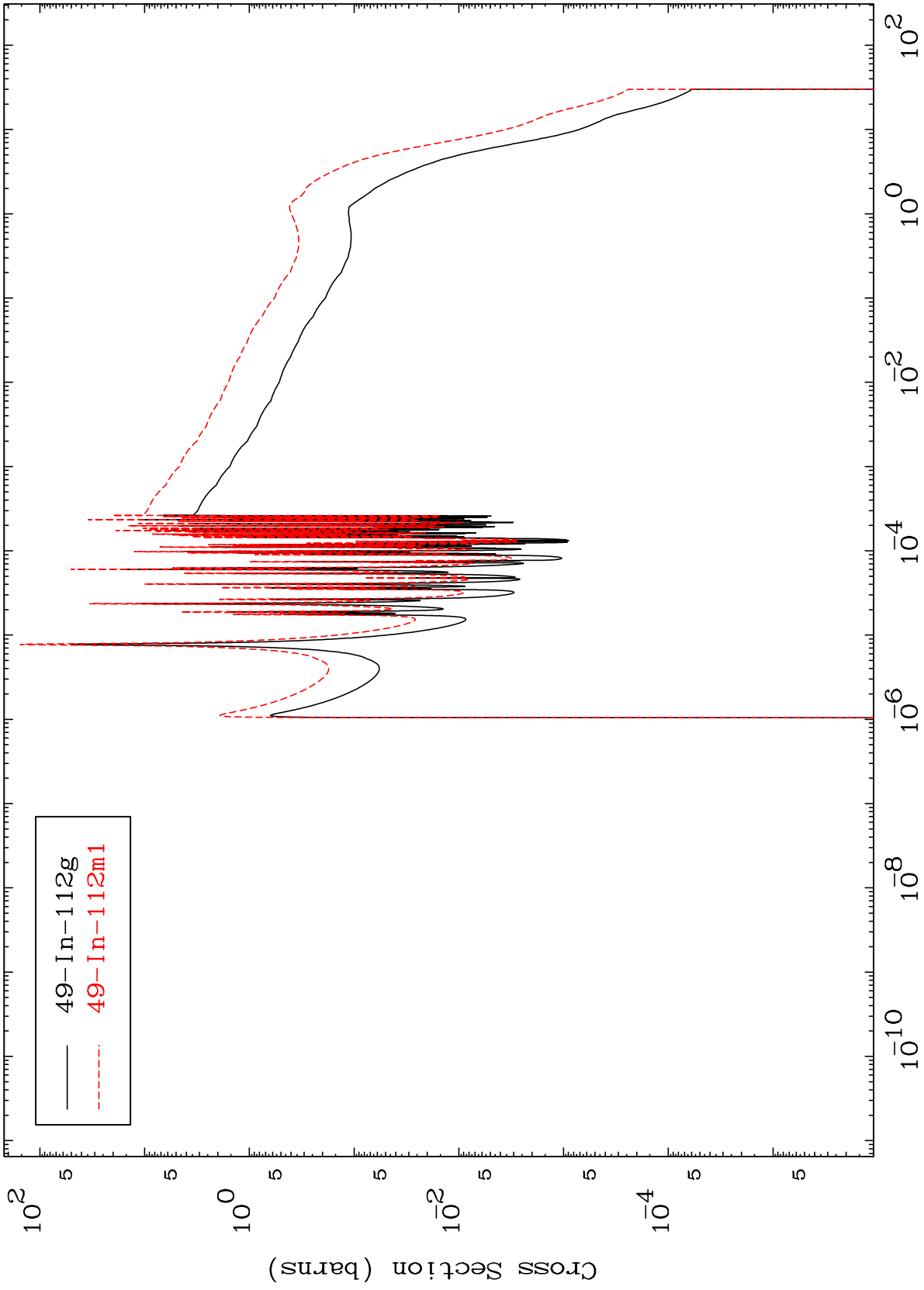
Incident Energy (MeV)

49-In-111

MAT 4919

49-In-111

Radionuclide Production Cross Section (n,γ)



— 49-In-112g  
- - - 49-In-112m1

141

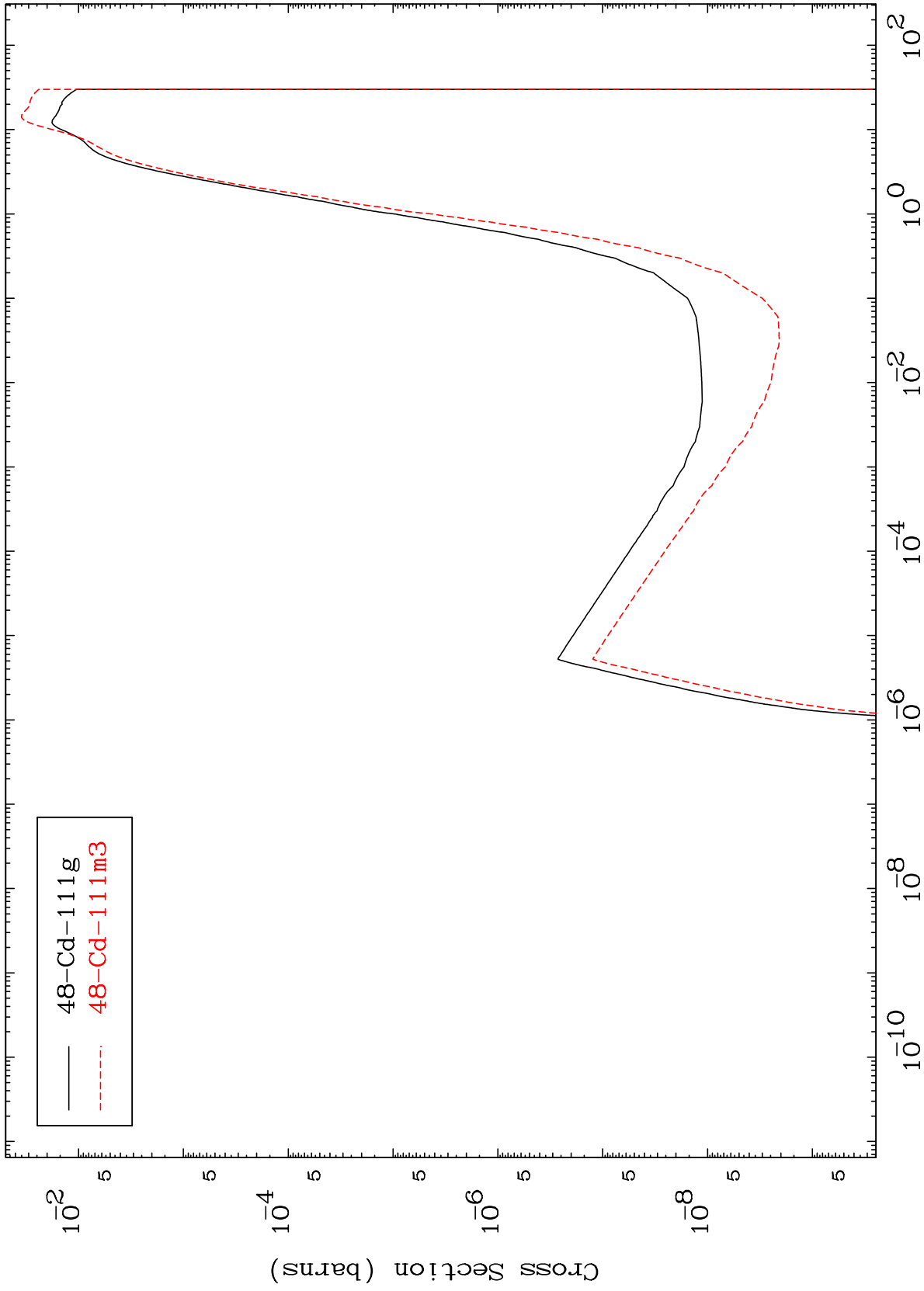
49-In-111

MAT 4919

(n,p)

49-In-111

Radionuclide Production Cross Section



— 48-Cd-111g  
- - - 48-Cd-111m3

142

Incident Energy (MeV)

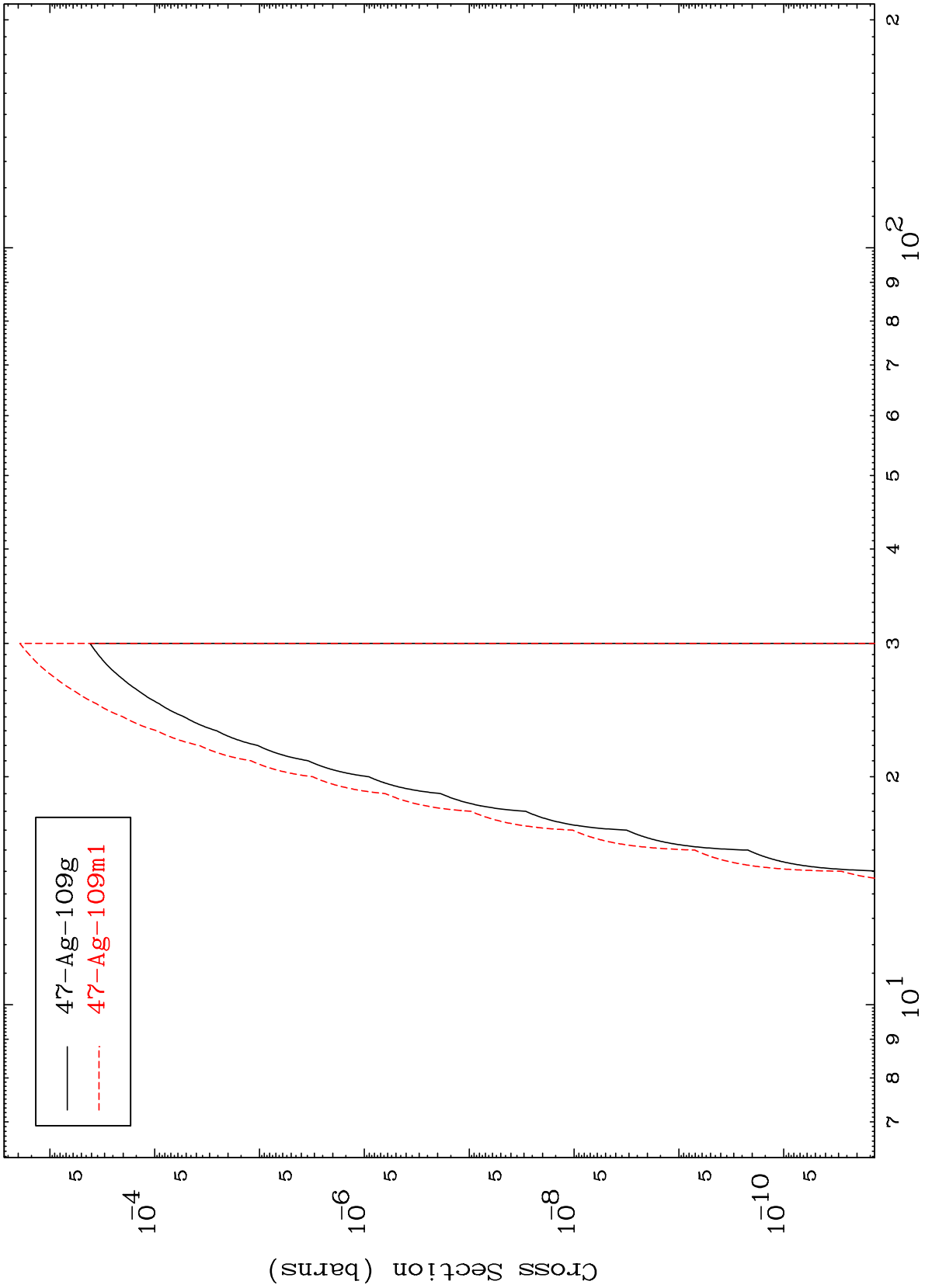
49-In-111

MAT 4919

(n,He-3)

49-In-111

Radionuclide Production Cross Section



— 47-Ag-109g  
- - - 47-Ag-109m1

143

Incident Energy (MeV)

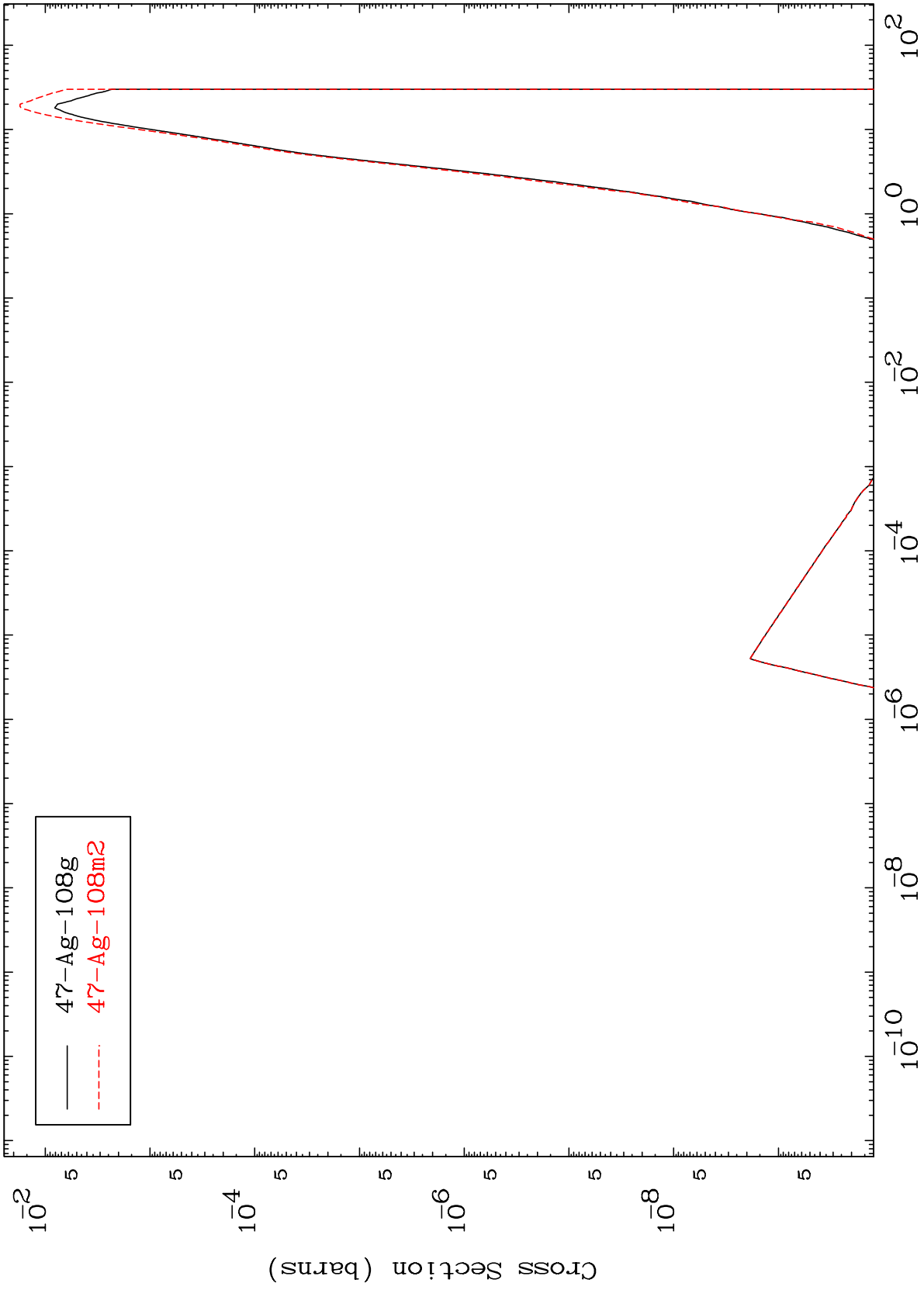
49-In-111



MAT 4919

(n,  $\alpha$ )  
Radionuclide Production Cross Section

49-In-111



144

Incident Energy (MeV)

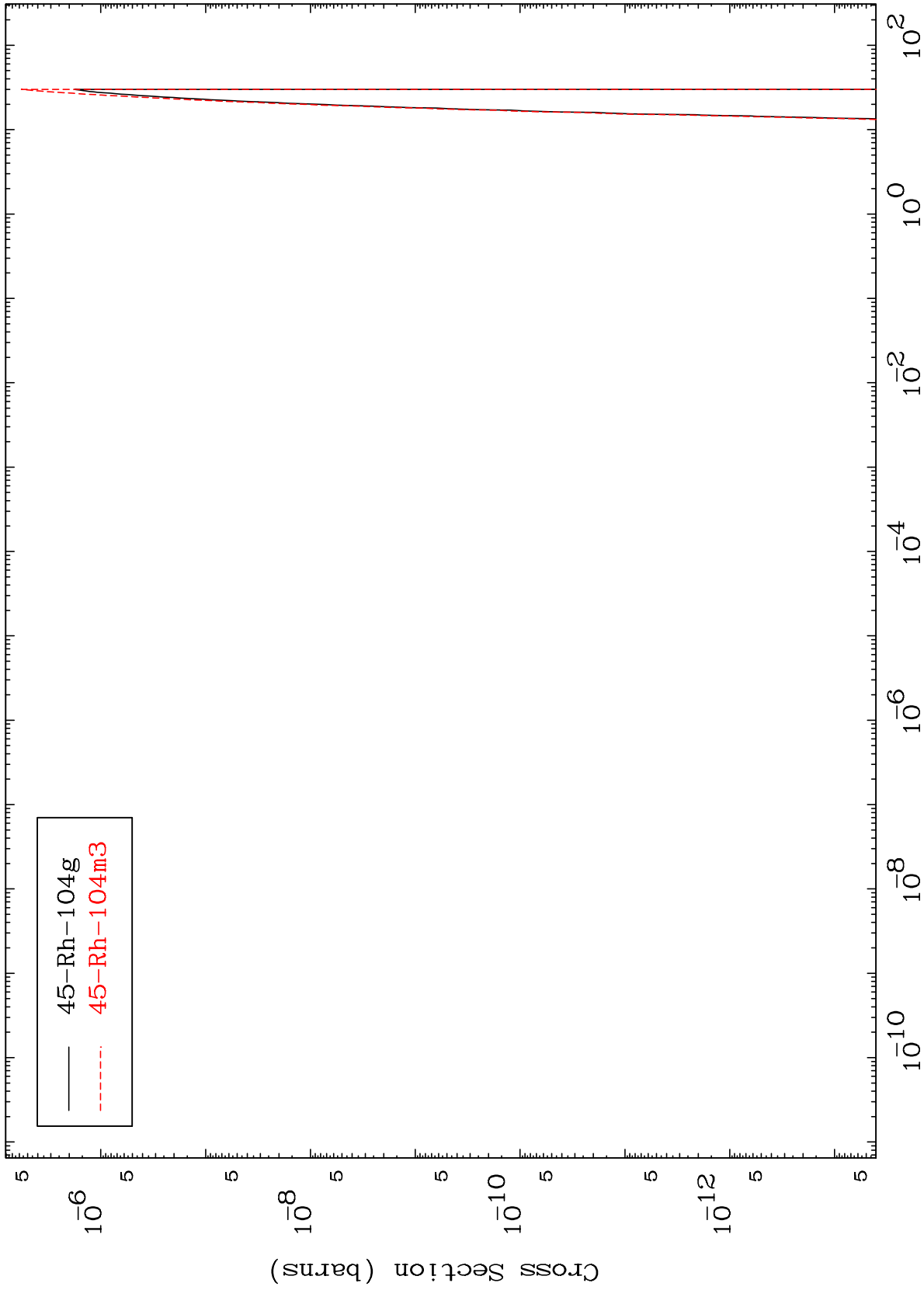
49-In-111

MAT 4919

(n,2α)

49-In-111

Radionuclide Production Cross Section



45-Rh-104g  
45-Rh-104m3

145

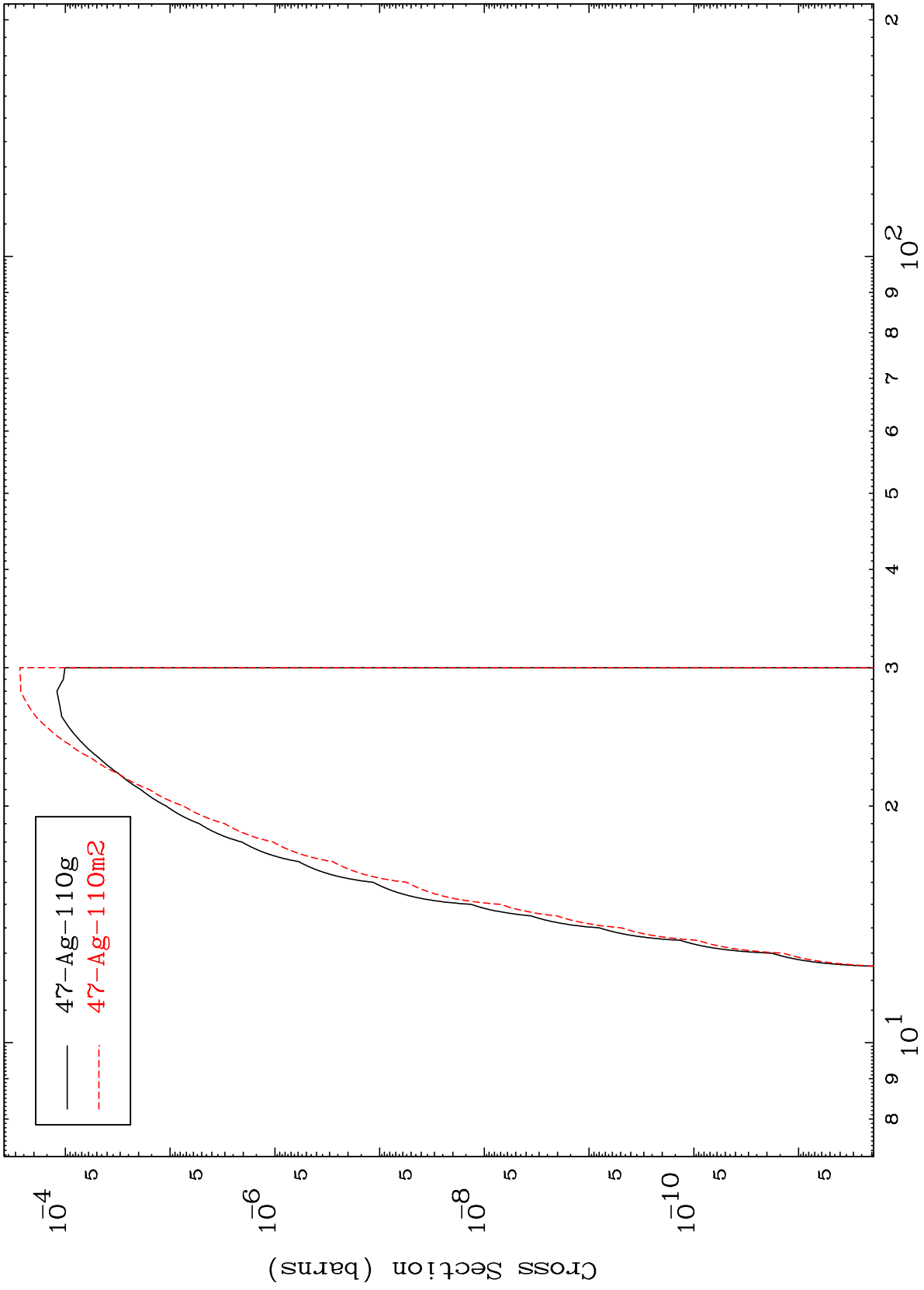
Incident Energy (MeV)

49-In-111

MAT 4919

49-In-111

(n,2p)  
Radionuclide Production Cross Section



146

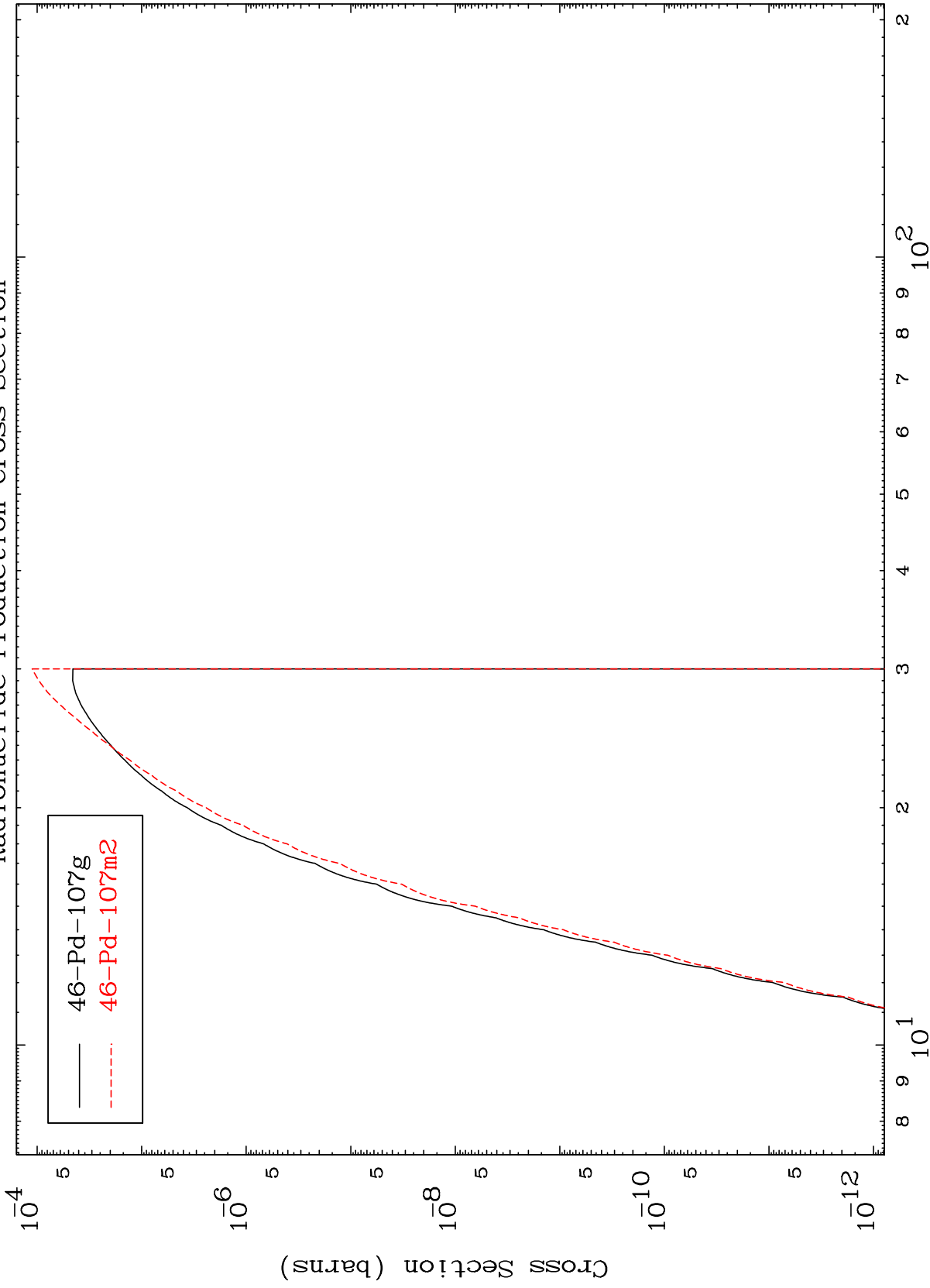
49-In-111

MAT 4919

(n,p)  $\alpha$

49-In-111

Radionuclide Production Cross Section



147

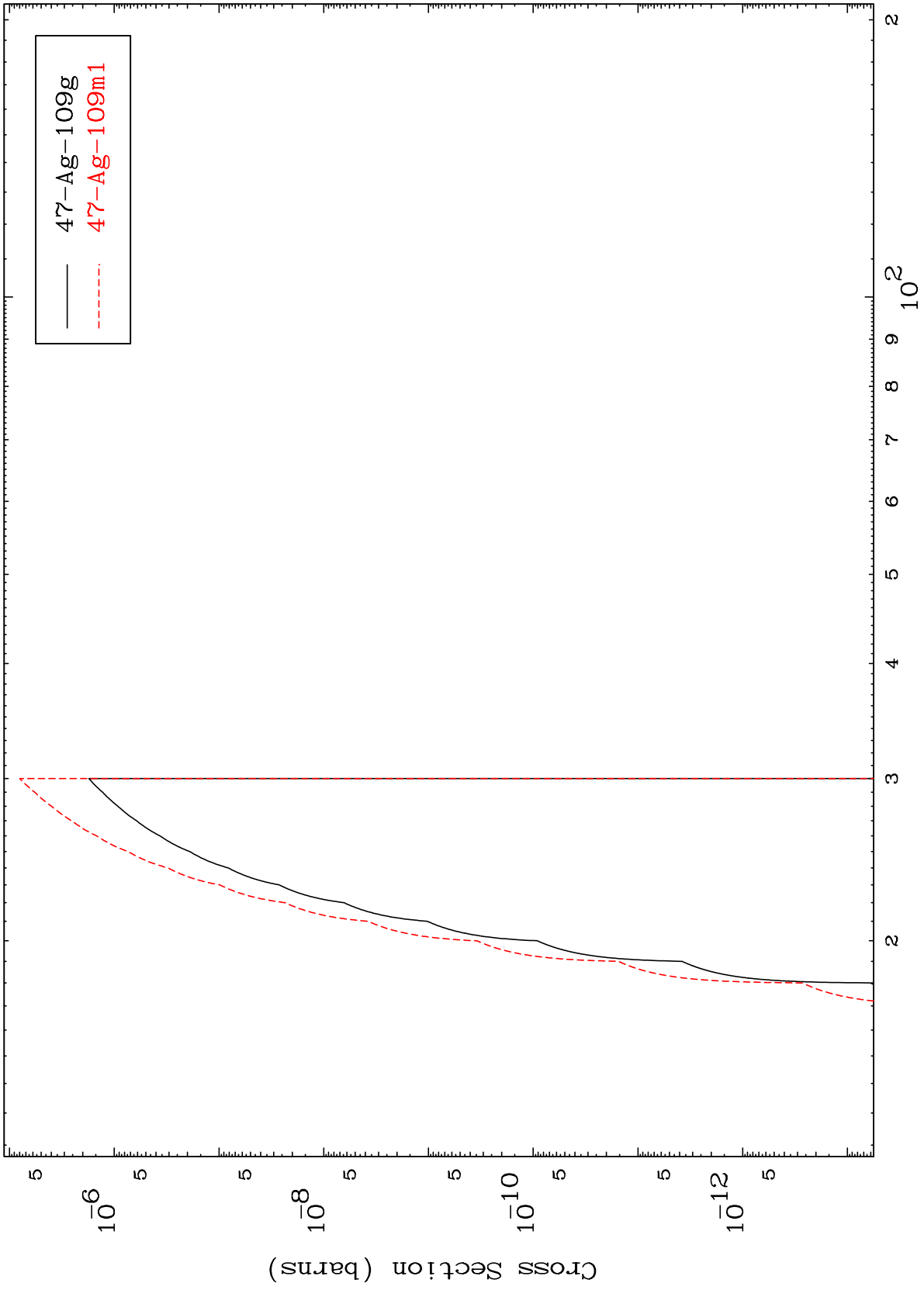
49-In-111

MAT 4919

(n,p) d

49-In-111

Radionuclide Production Cross Section



148

Incident Energy (MeV)

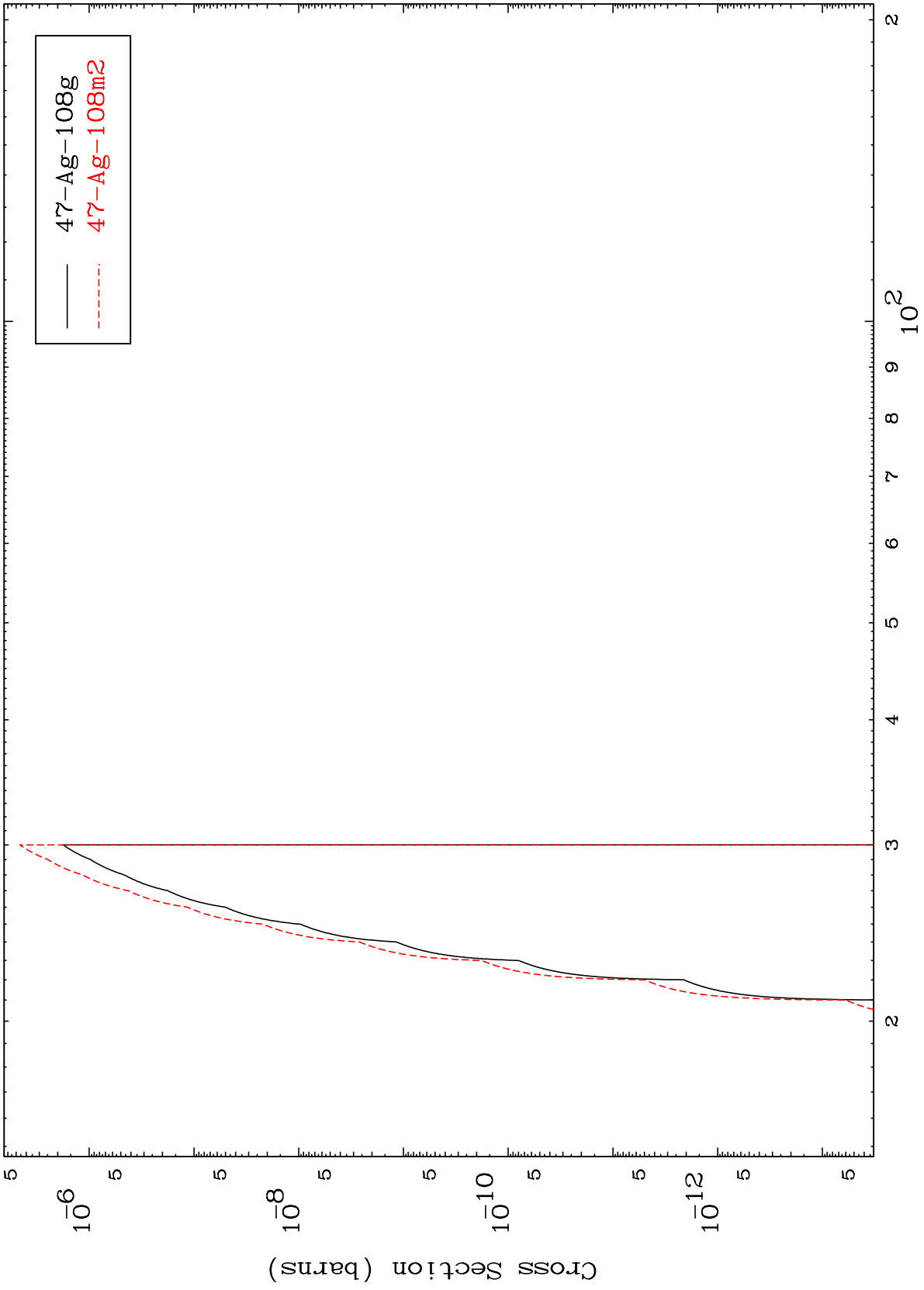
49-In-111

MAT 4919

(n,p) t

49-In-111

Radionuclide Production Cross Section



149

Incident Energy (MeV)

49-In-111