

Program EVALPLOT
(Version 2018-1)

by

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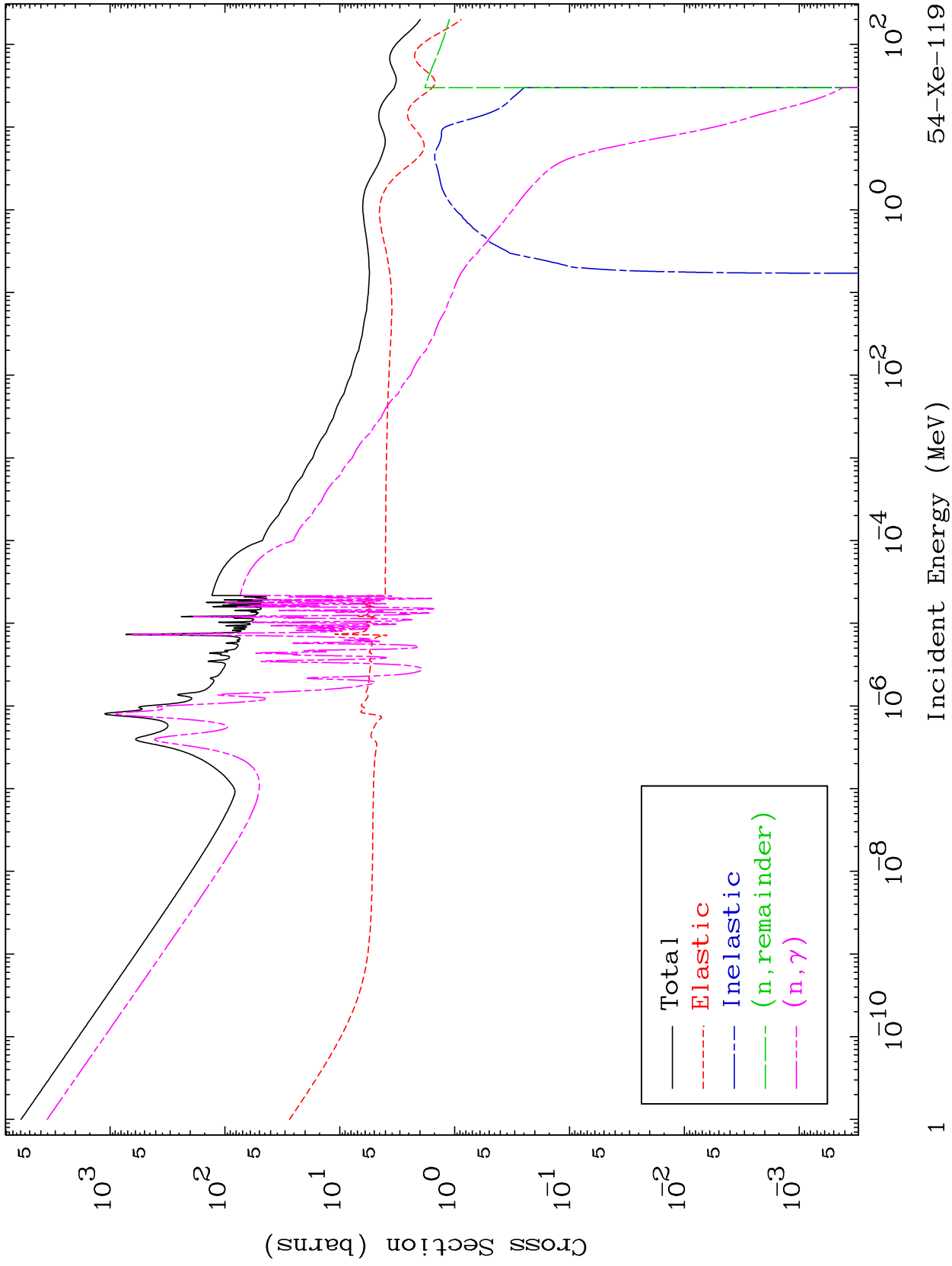
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5410

Major
293 Kelvin Cross Sections

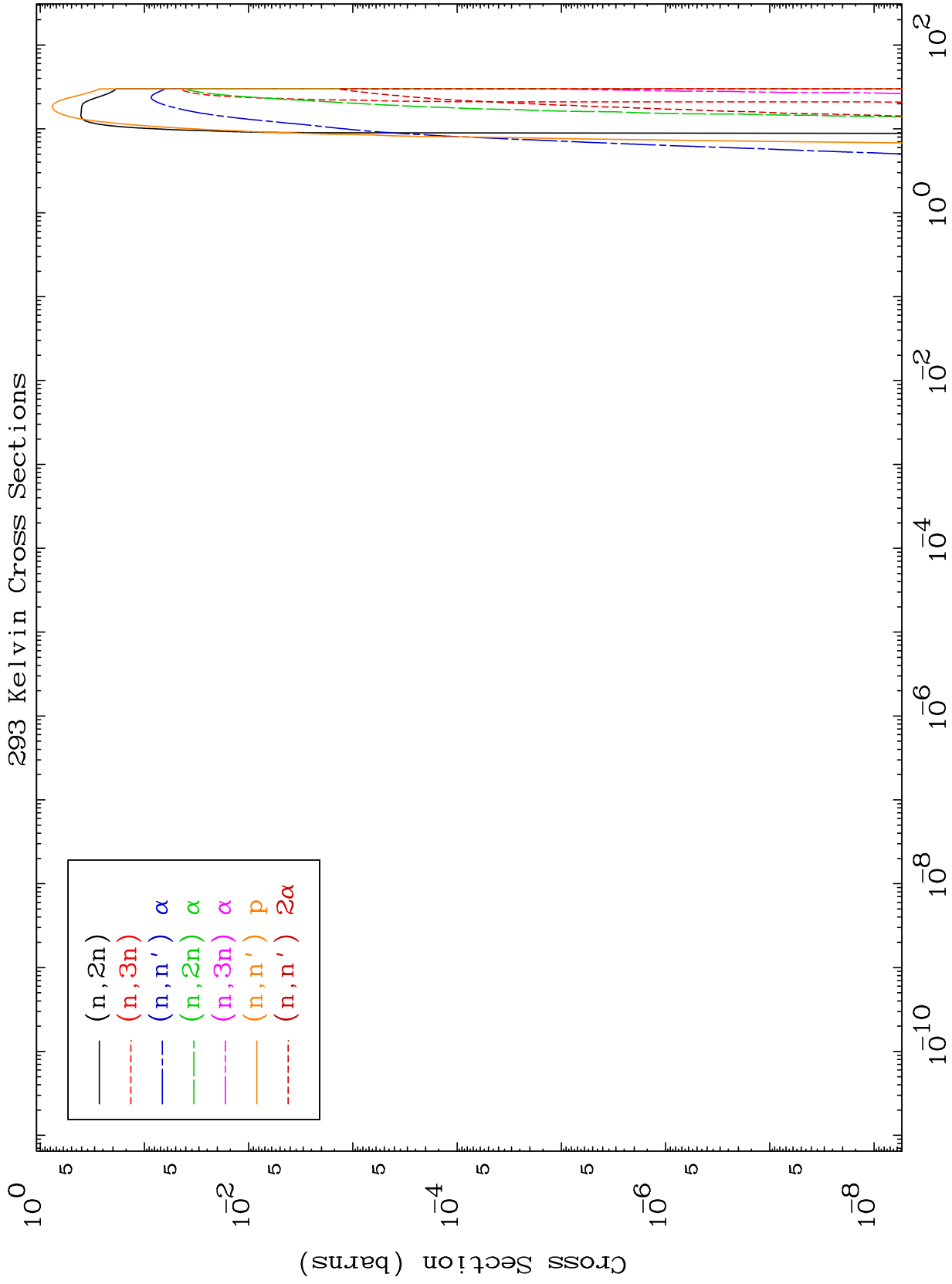
54-Xe-119



MAT 5410

Neutron Production
293 Kelvin Cross Sections

54-Xe-119



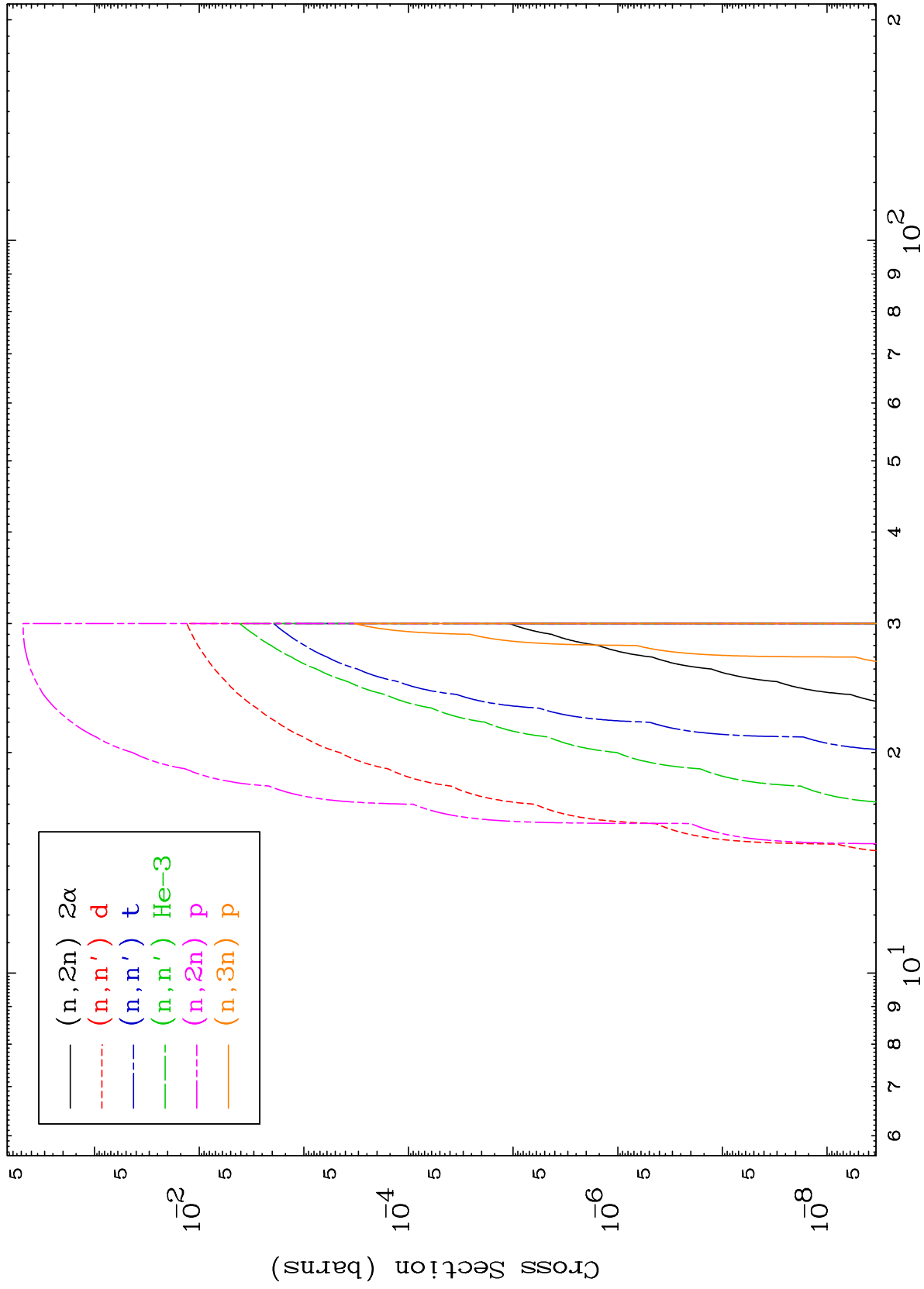
2

54-Xe-119

MAT 5410

Neutron Production
293 Kelvin Cross Sections

54-Xe-119



3

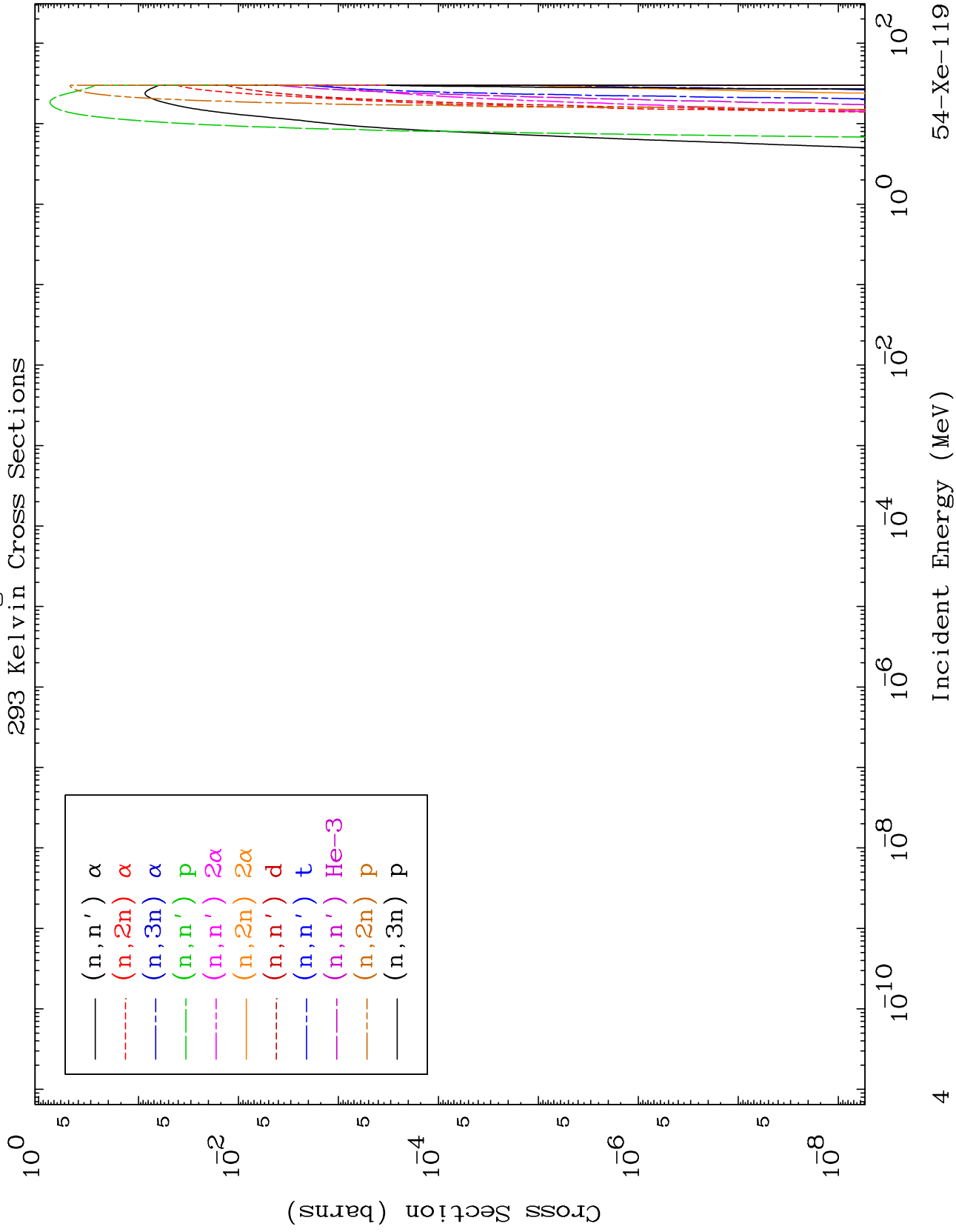
Incident Energy (MeV)

54-Xe-119

MAT 5410

293 Kelvin Cross Sections

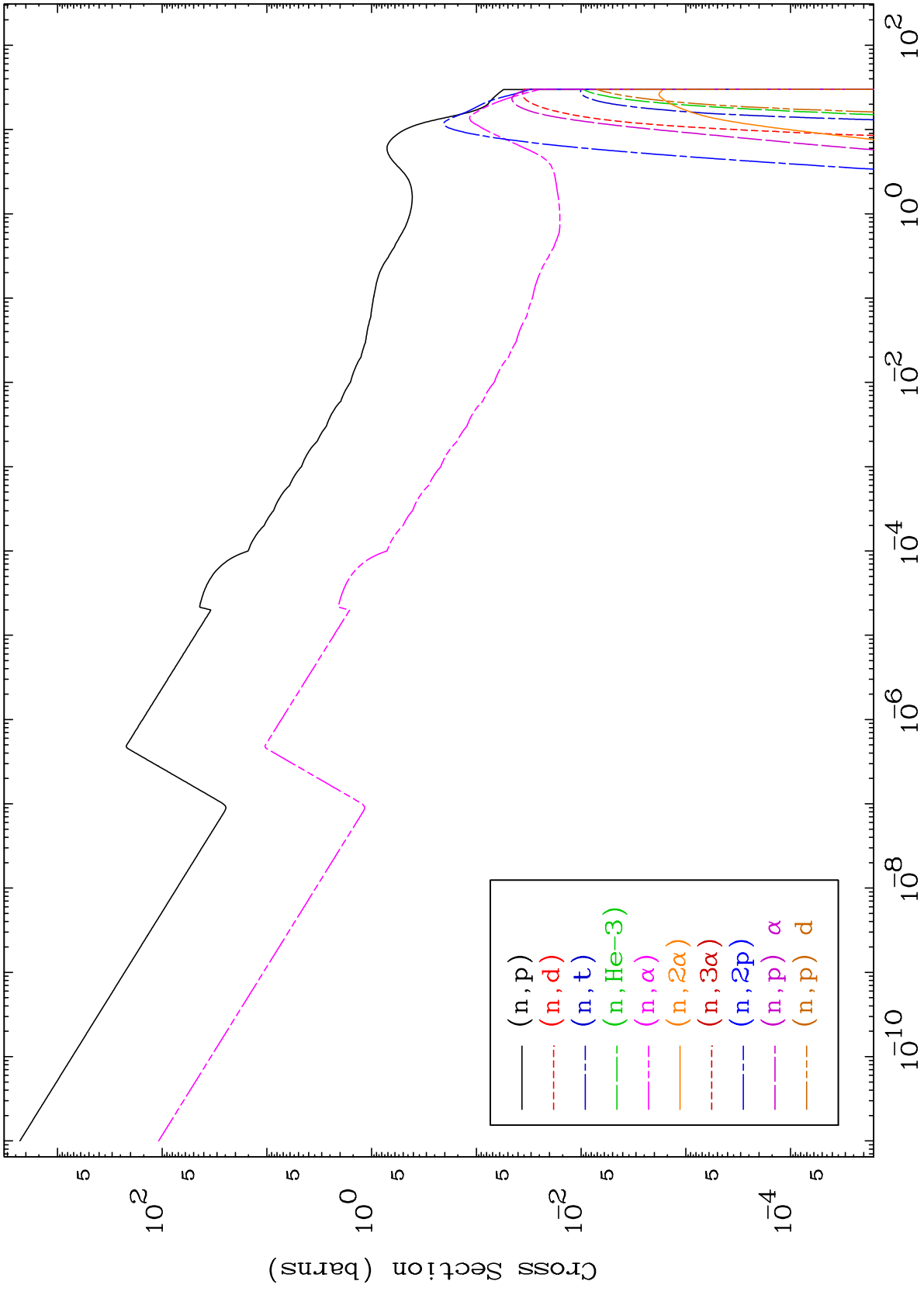
54-Xe-119



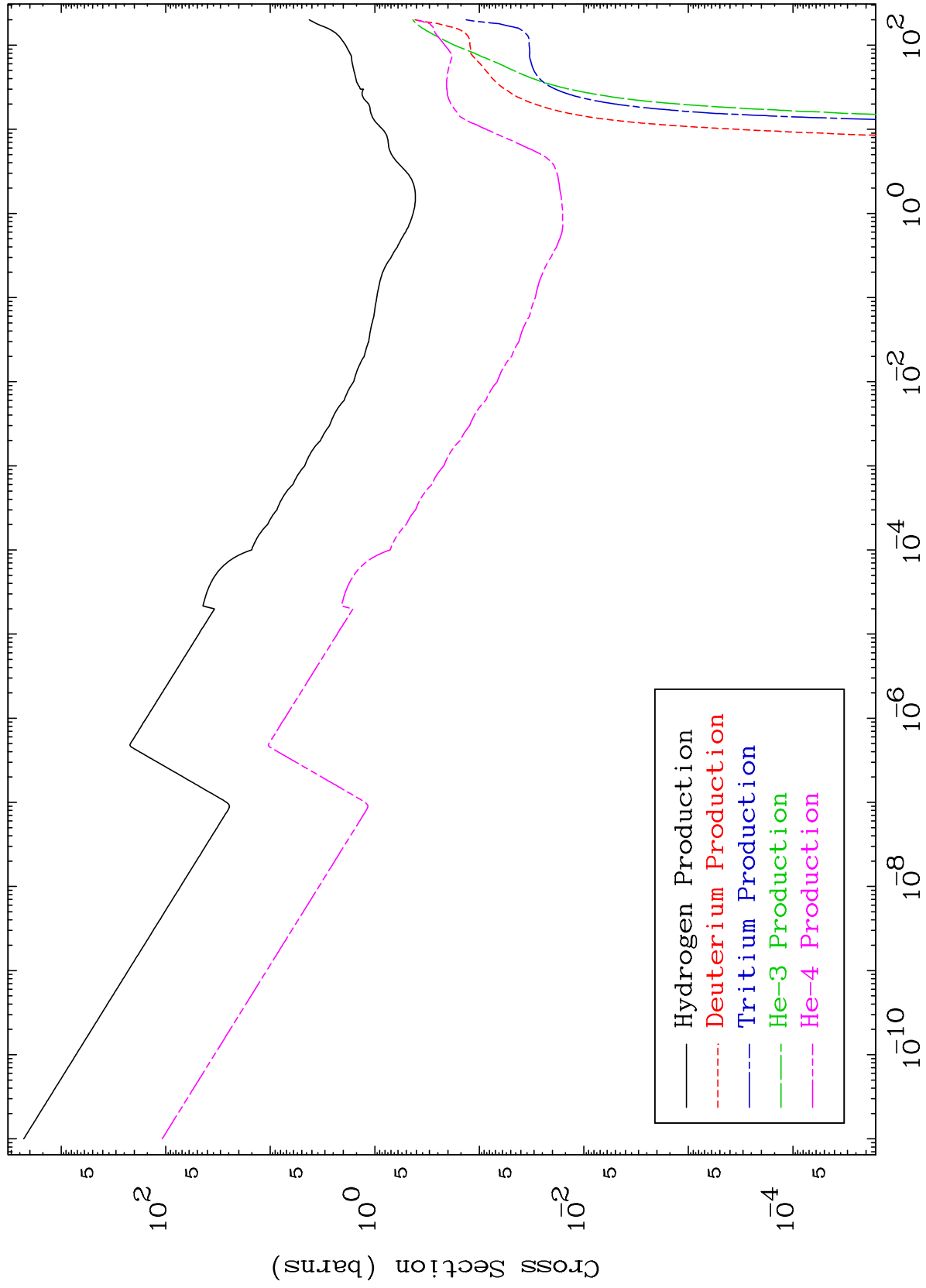
MAT 5410

293 Kelvin Cross Sections

54-Xe-119



54-Xe-119

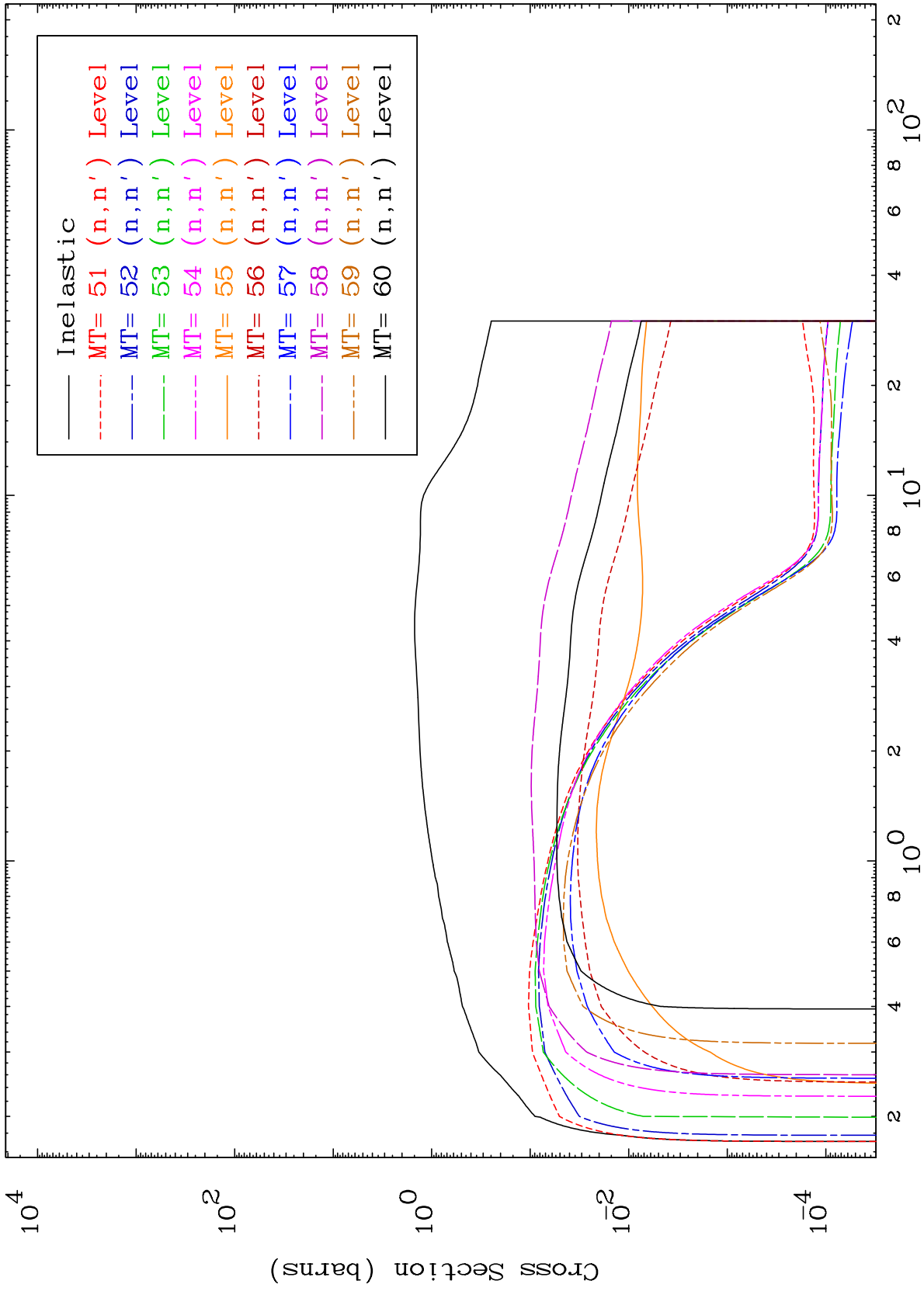


MAT 5410

(n,n') Level

54-Xe-119

293 Kelvin Cross Sections



7

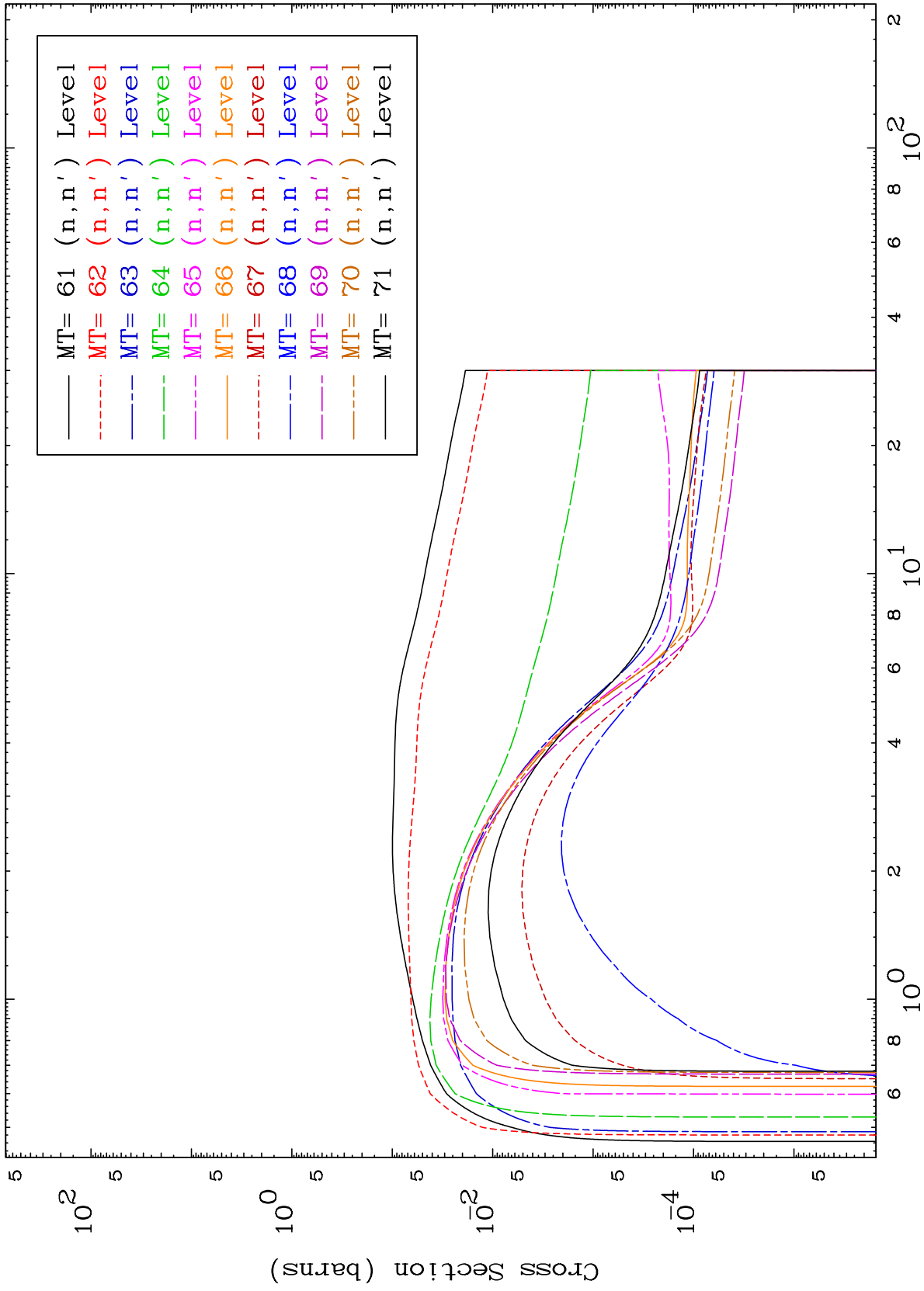
Incident Energy (MeV)

54-Xe-119

MAT 5410

(n,n') Level
293 Kelvin Cross Sections

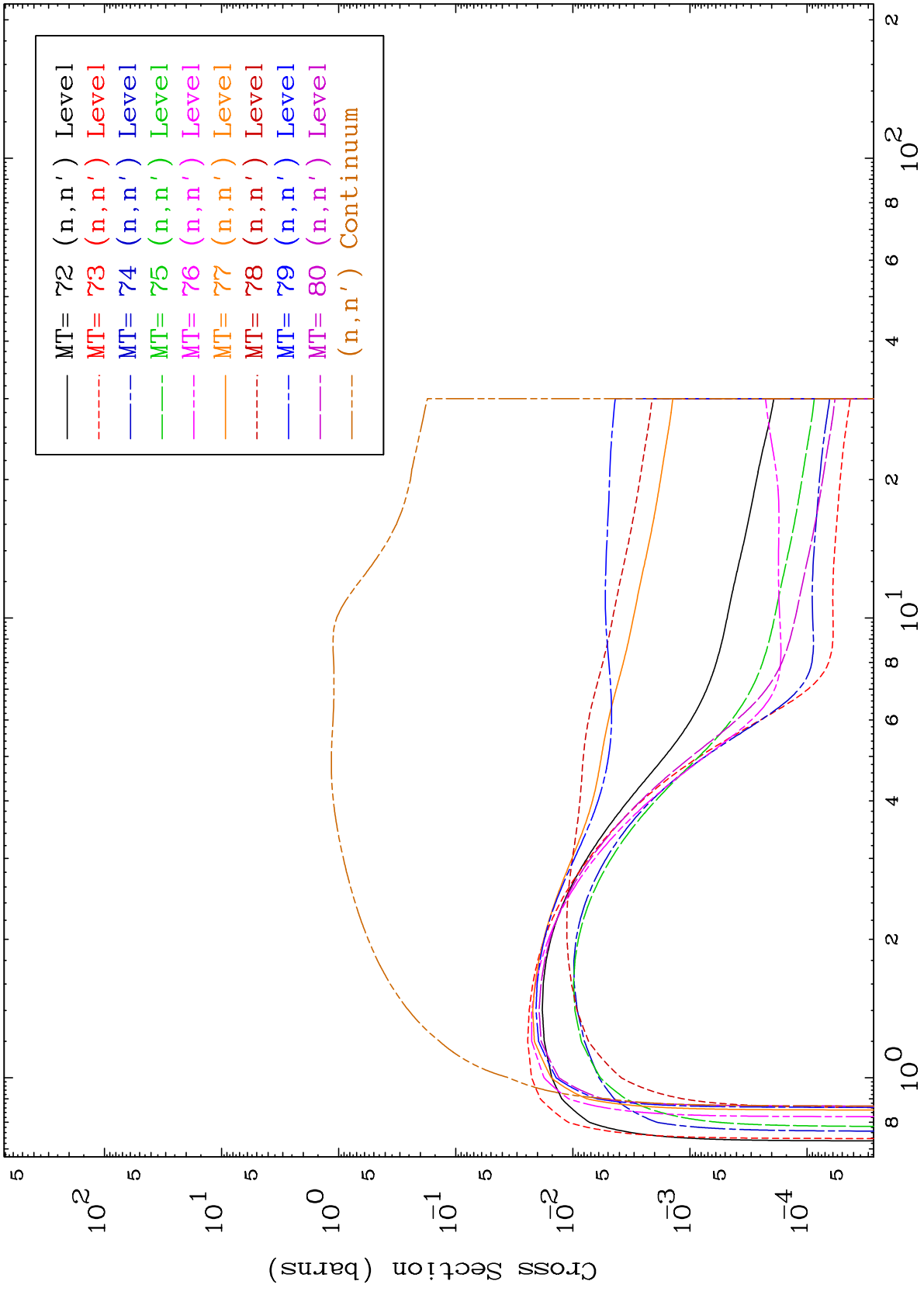
54-Xe-119



8

Incident Energy (MeV)

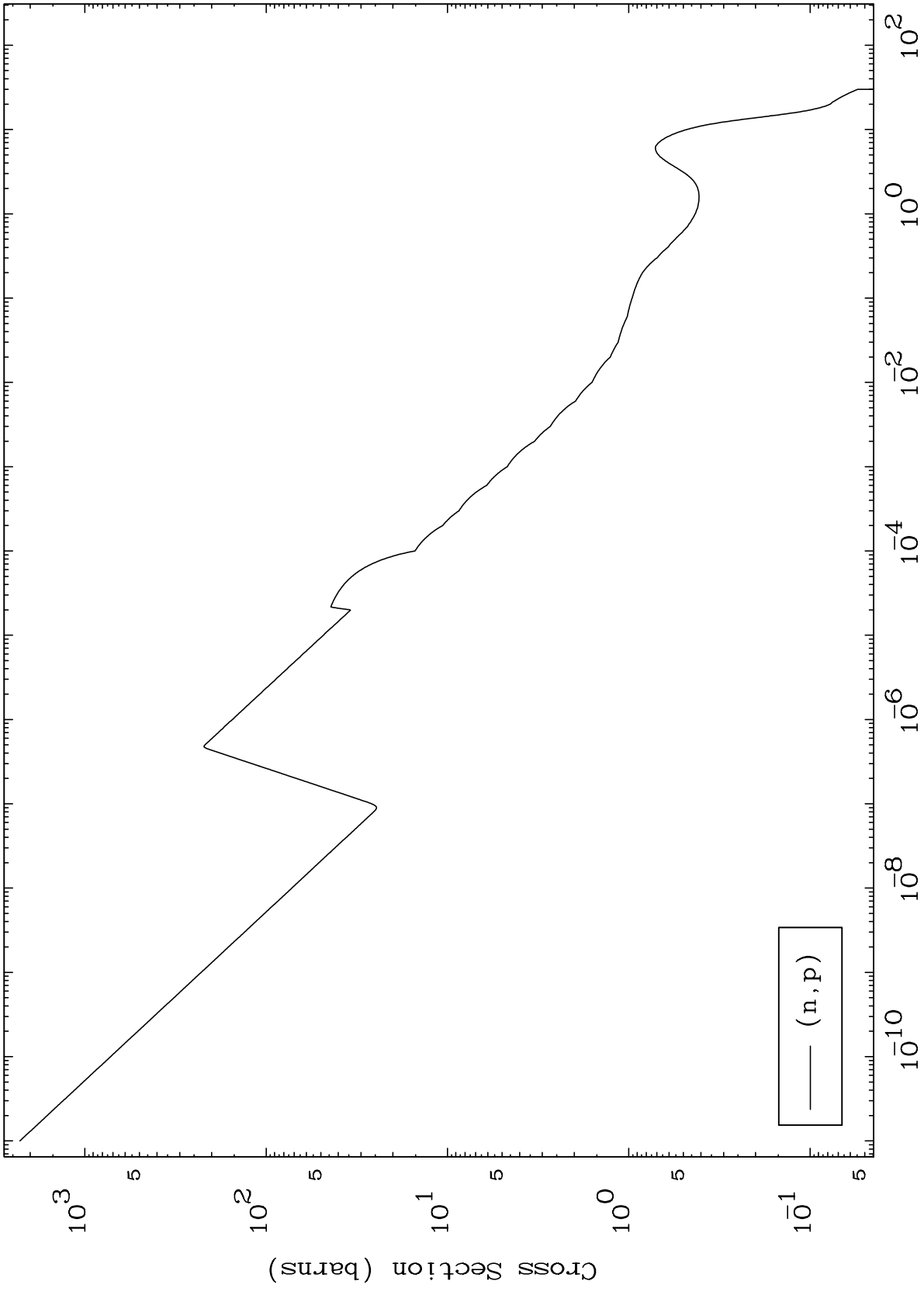
54-Xe-119



MAT 5410

(n,p) Levels
293 Kelvin Cross Sections

54-Xe-119



10

Incident Energy (MeV)

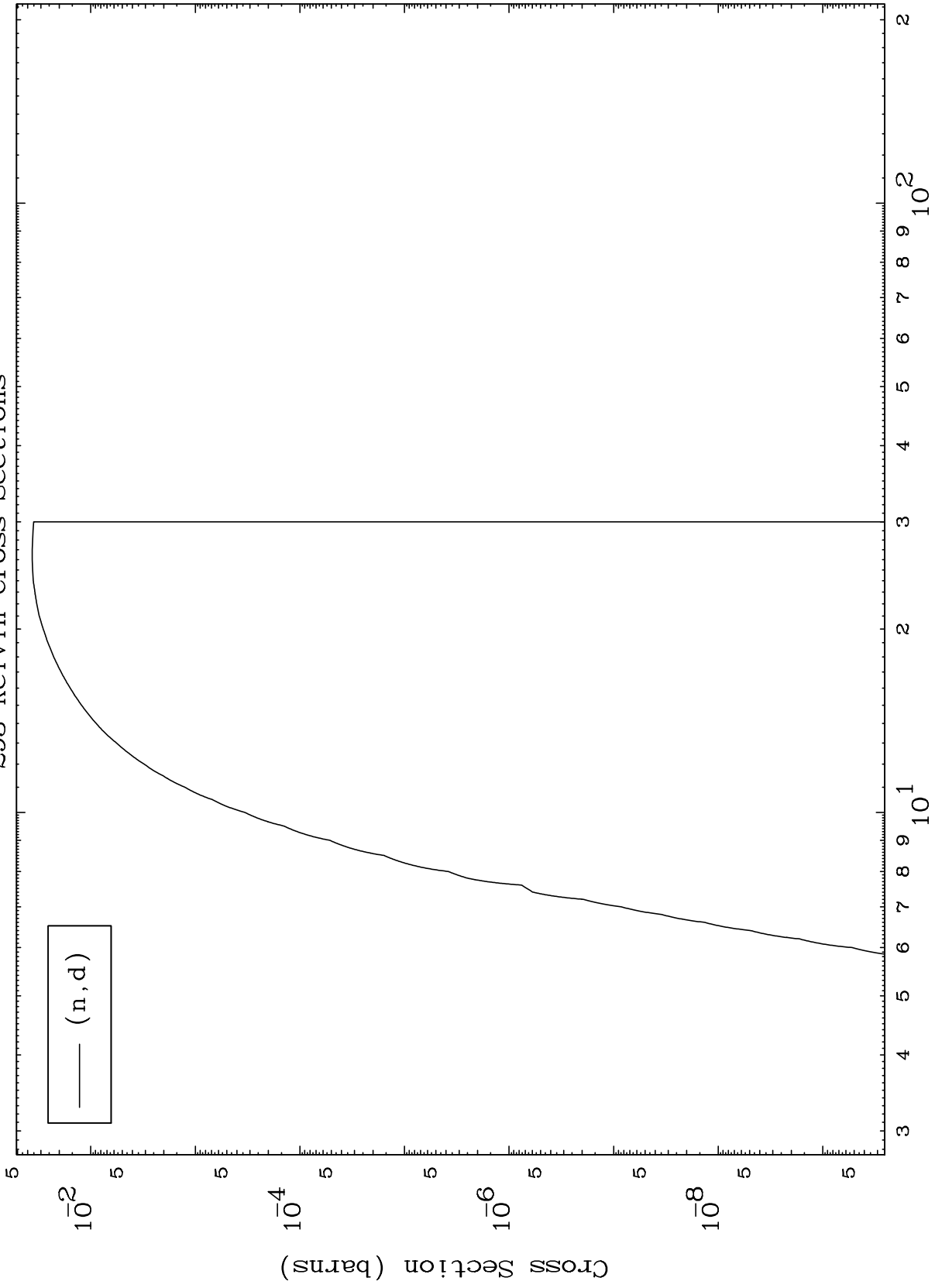
54-Xe-119

(n,p)

MAT 5410

(n,d) Levels
293 Kelvin Cross Sections

54-Xe-119



11

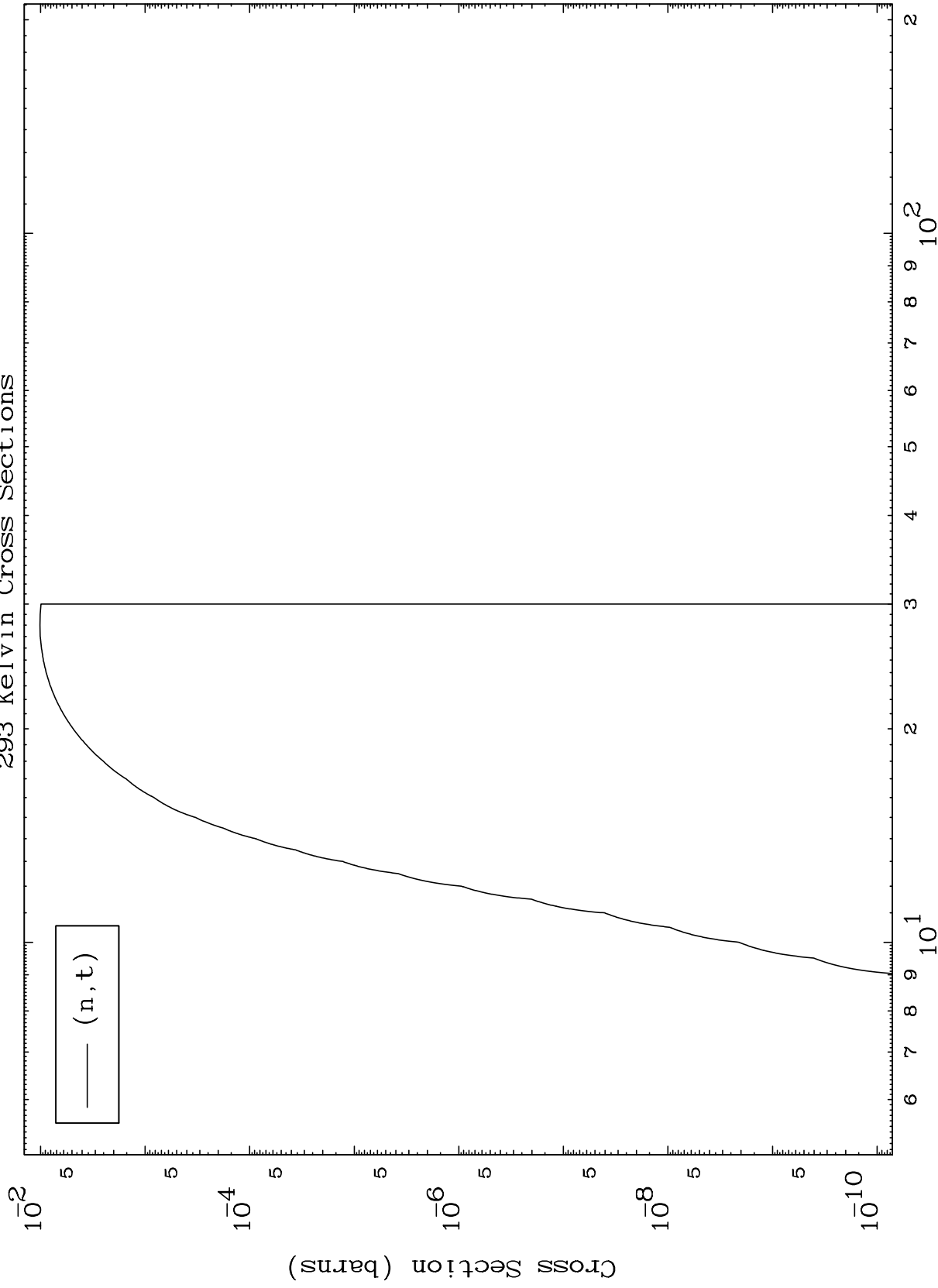
Incident Energy (MeV)

54-Xe-119

MAT 5410

(n,t) Levels
293 Kelvin Cross Sections

54-Xe-119



12

Incident Energy (MeV)

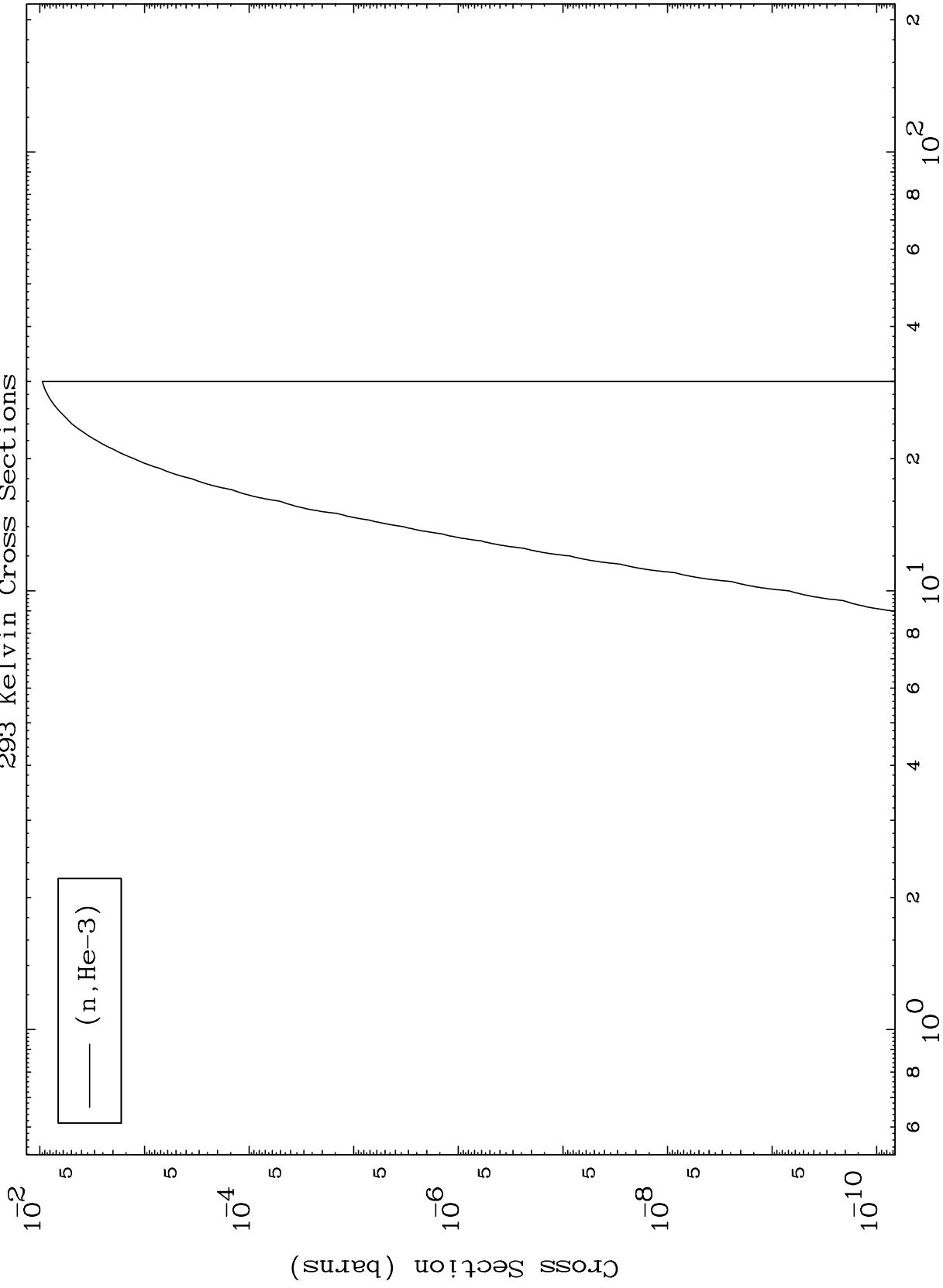
54-Xe-119

MAT 5410

(n,He3) Levels

54-Xe-119

293 Kelvin Cross Sections



13

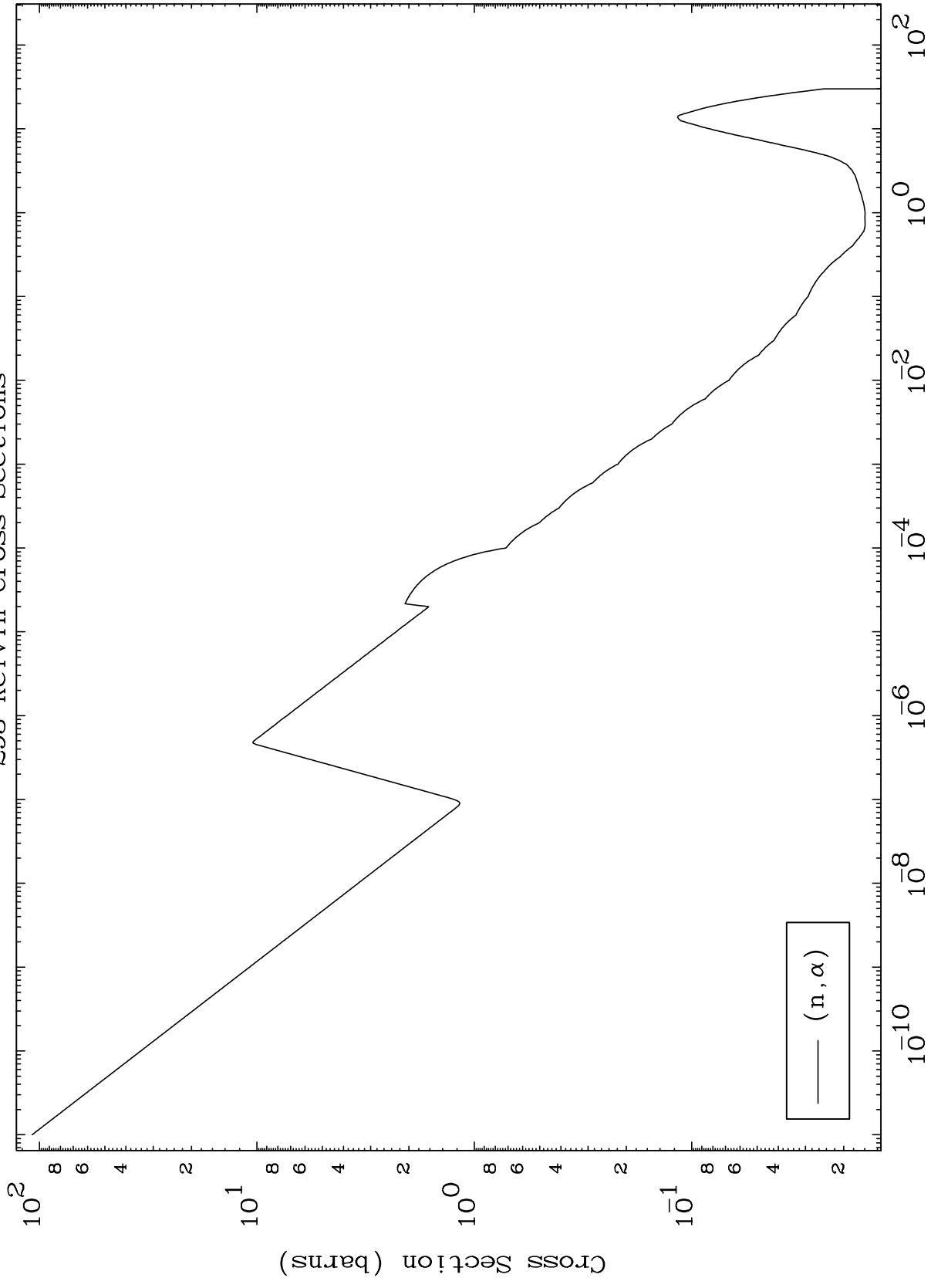
Incident Energy (MeV)

54-Xe-119

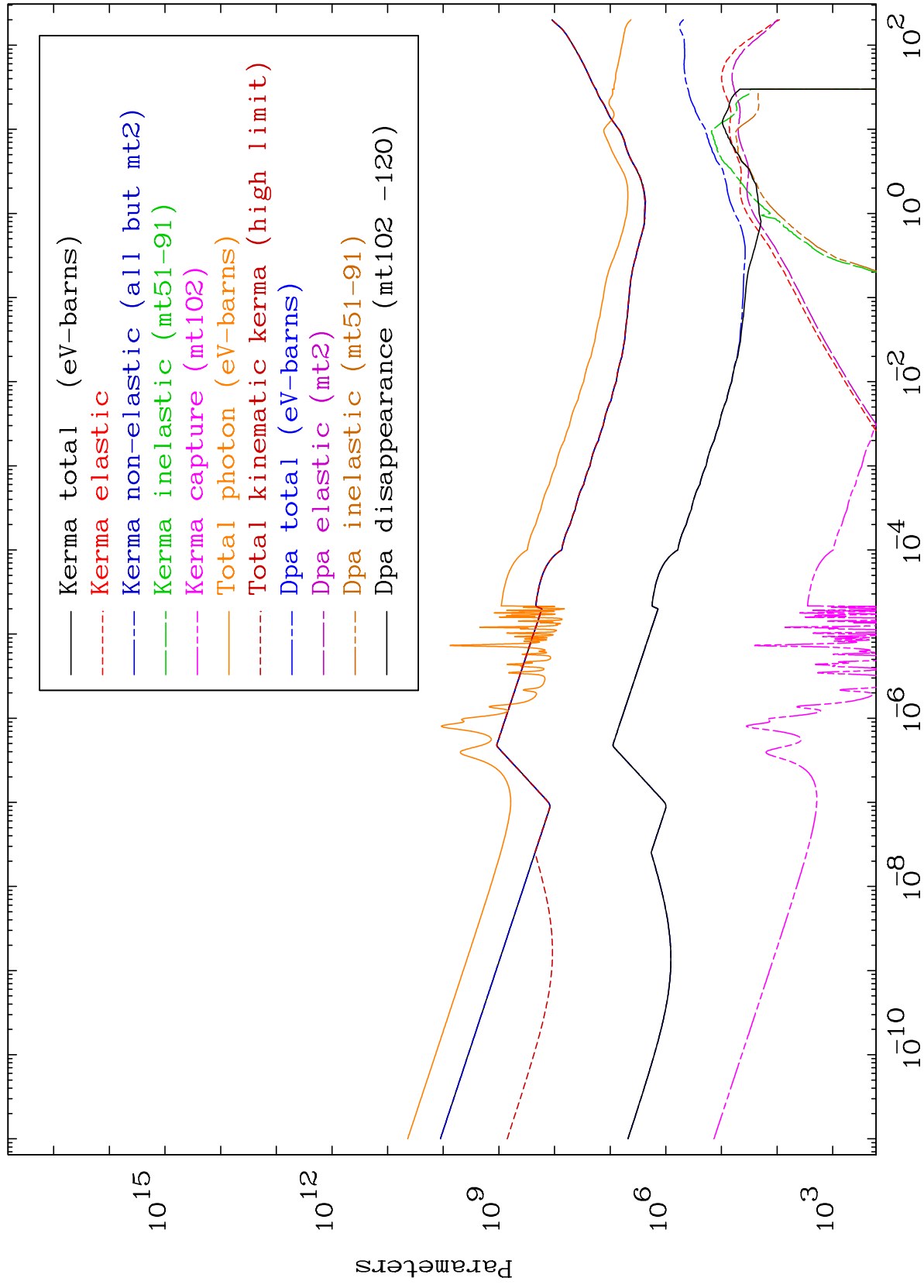
MAT 5410

(n, α) Levels
293 Kelvin Cross Sections

54-Xe-119



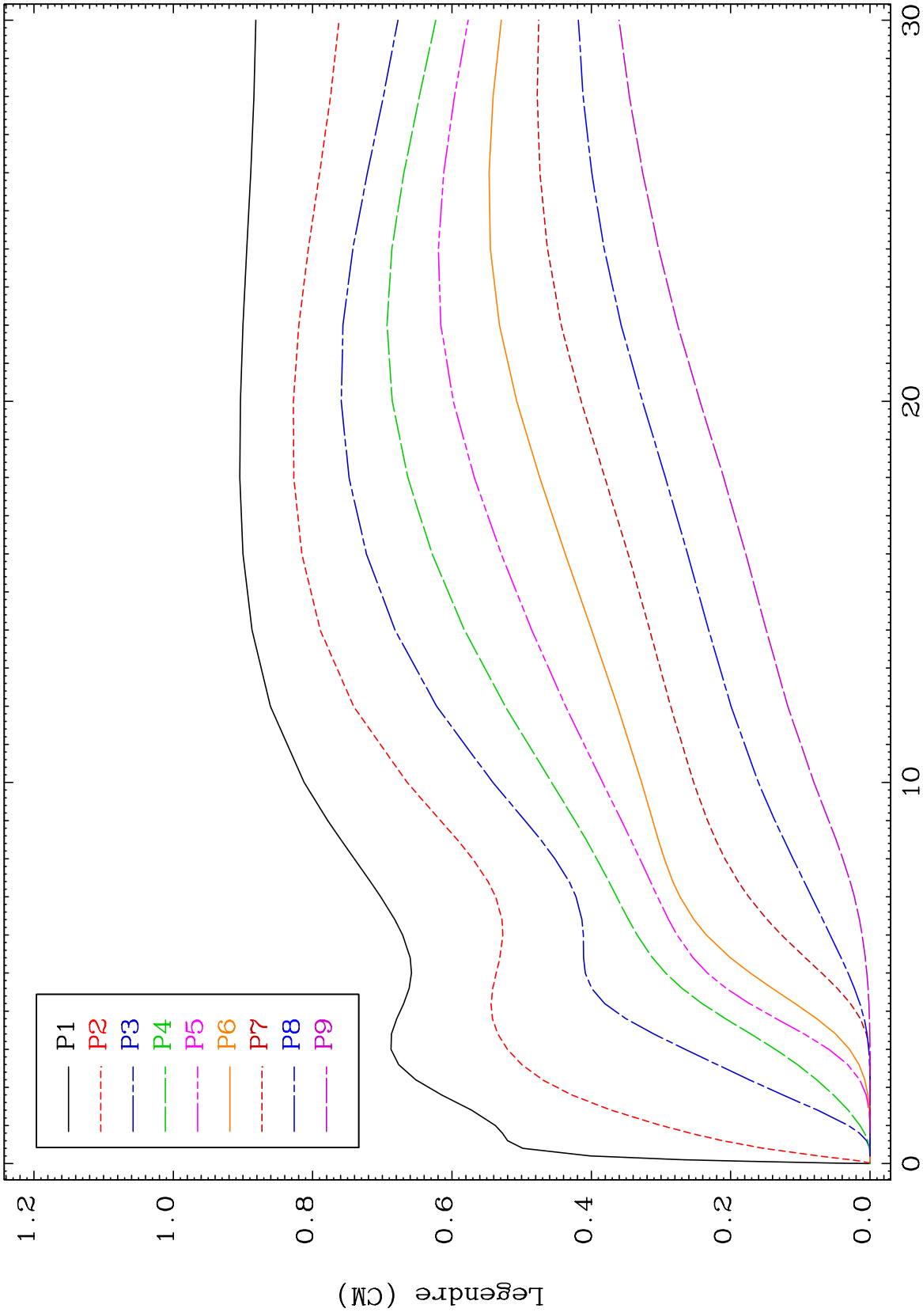
54-Xe-119



MAT 5410

Elastic Legendre Coefficients

54-Xe-119



16

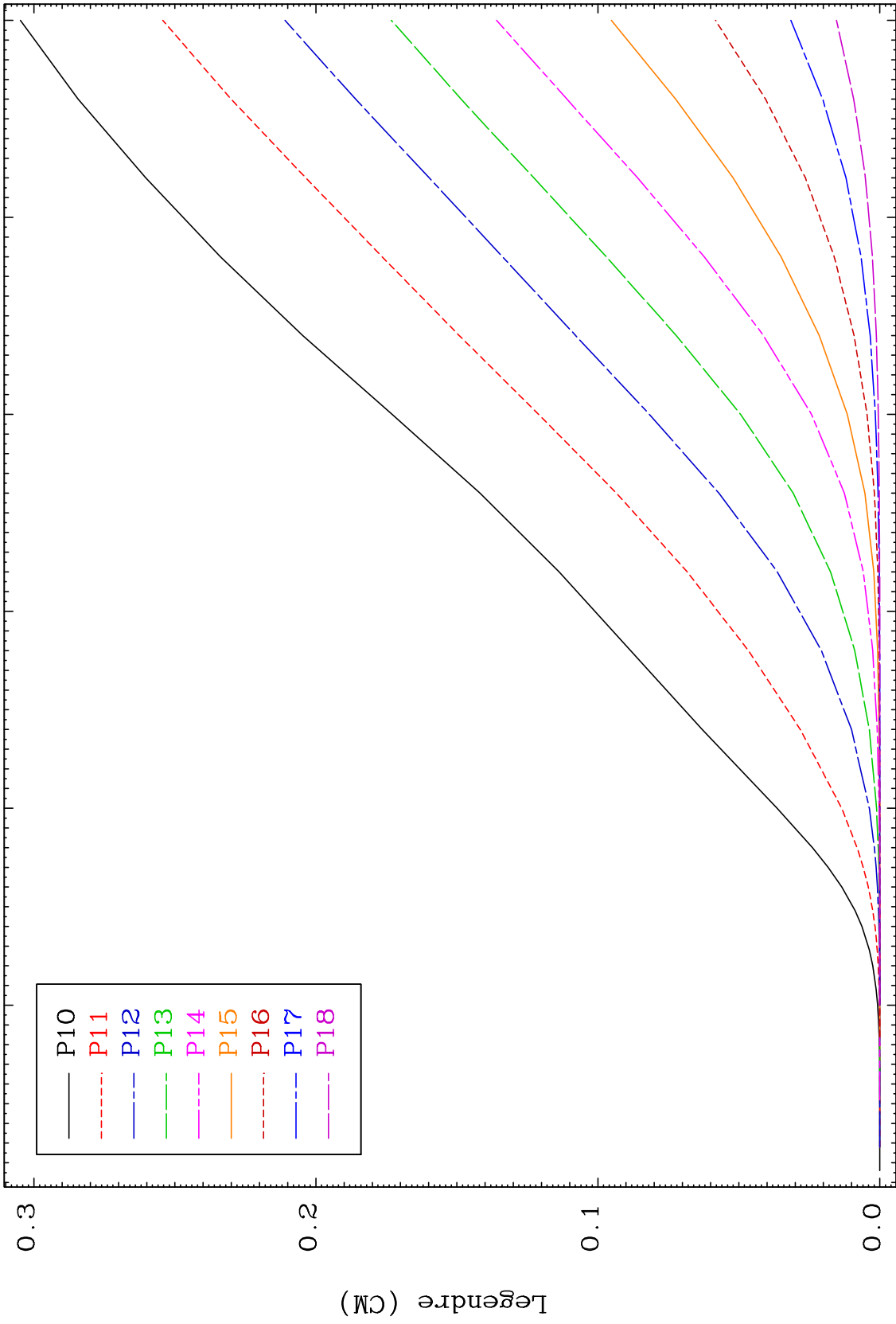
Incident Energy (MeV)

54-Xe-119

MAT 5410

Elastic Legendre Coefficients

54-Xe-119



17

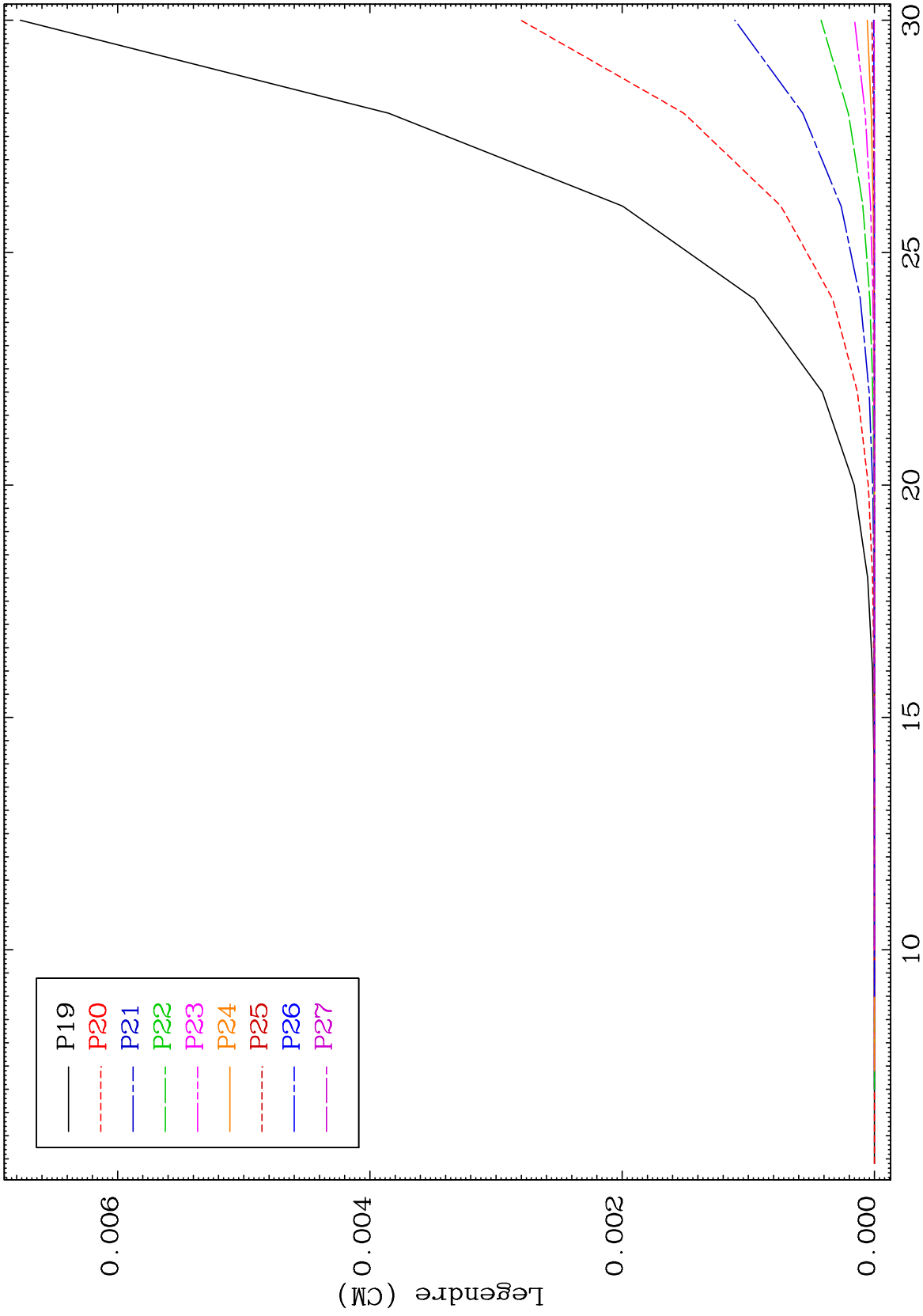
Incident Energy (MeV)

54-Xe-119

MAT 5410

Elastic Legendre Coefficients

54-Xe-119



18

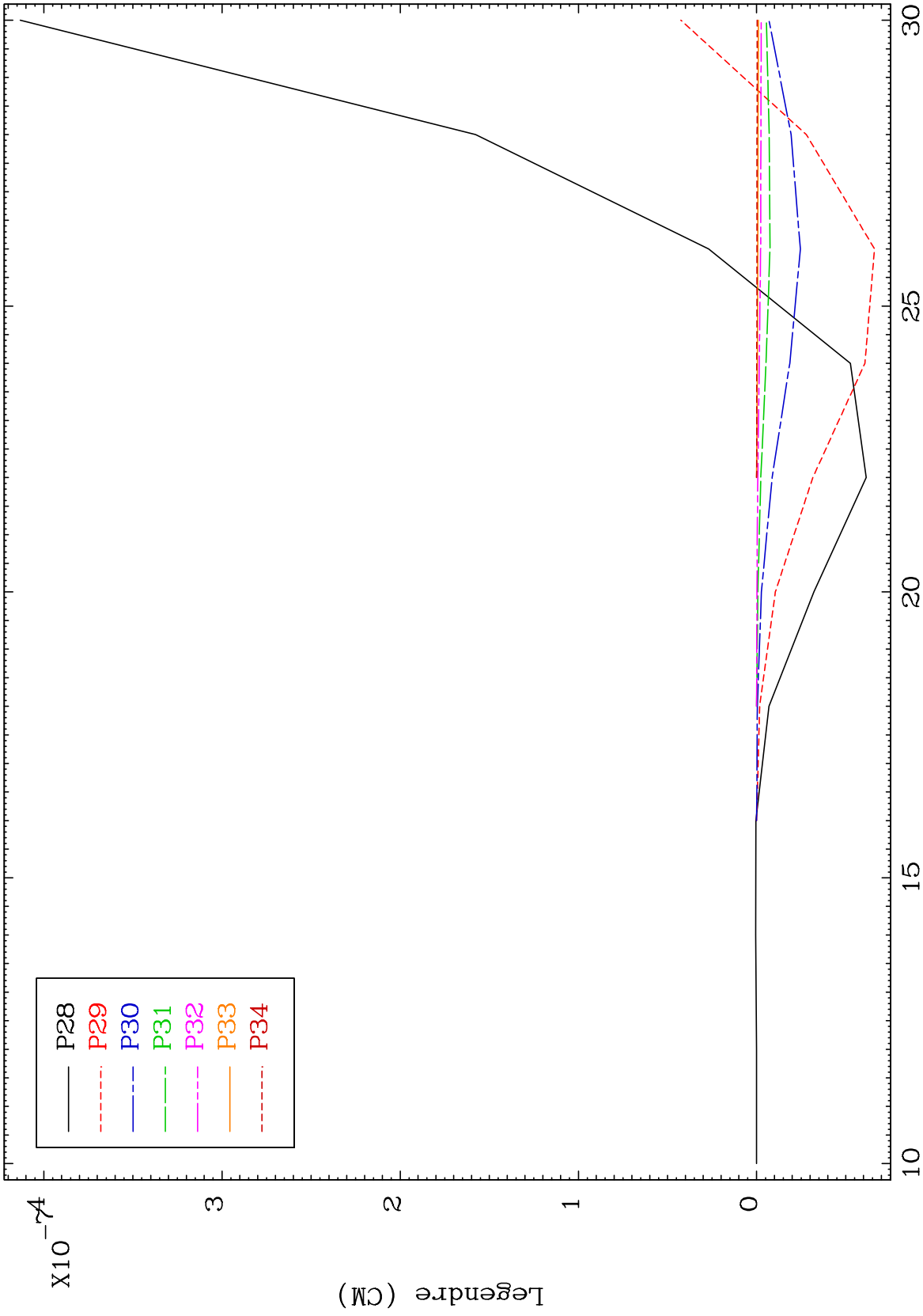
Incident Energy (MeV)

54-Xe-119

MAT 5410

Elastic Legendre Coefficients

54-Xe-119



19

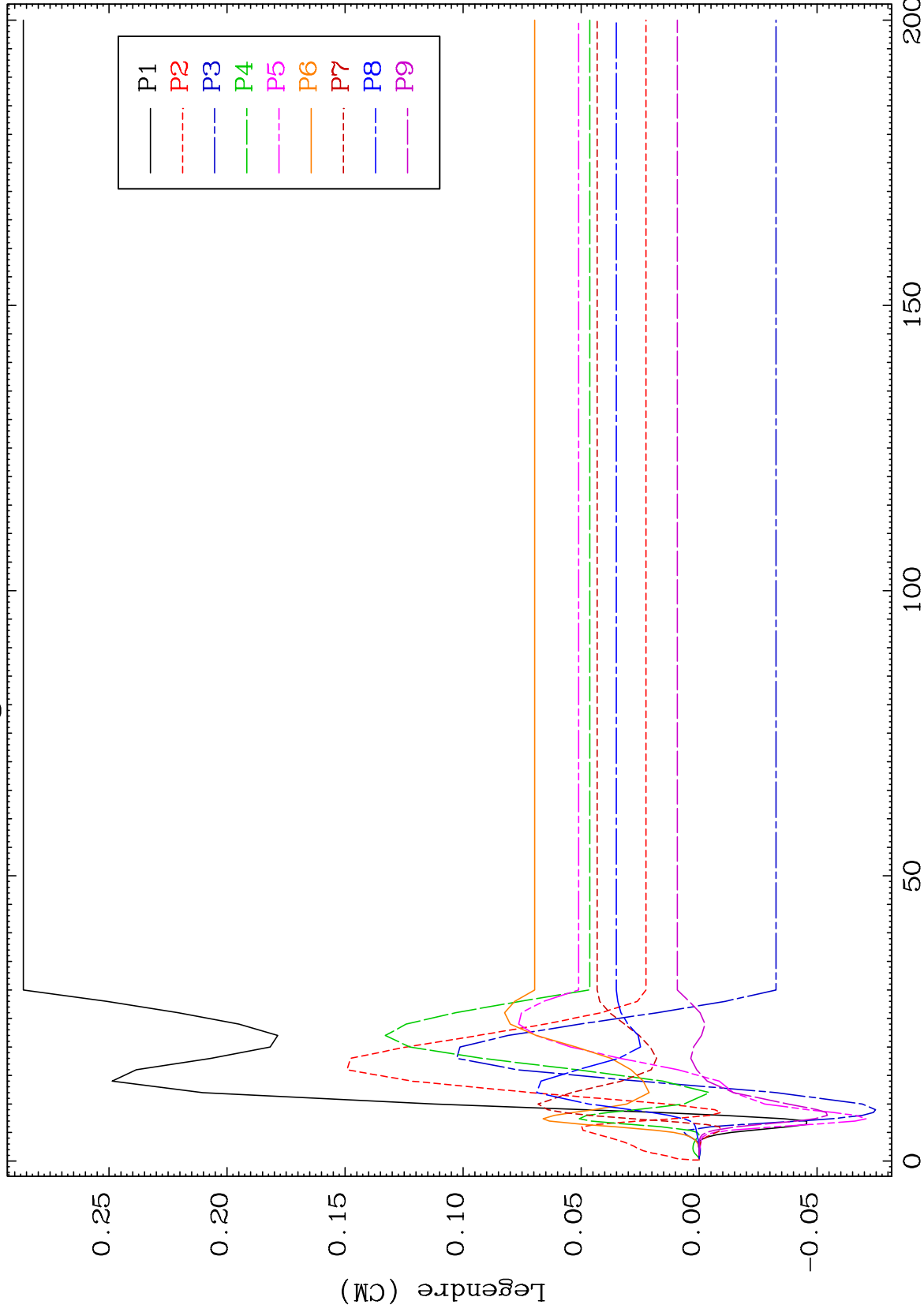
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119



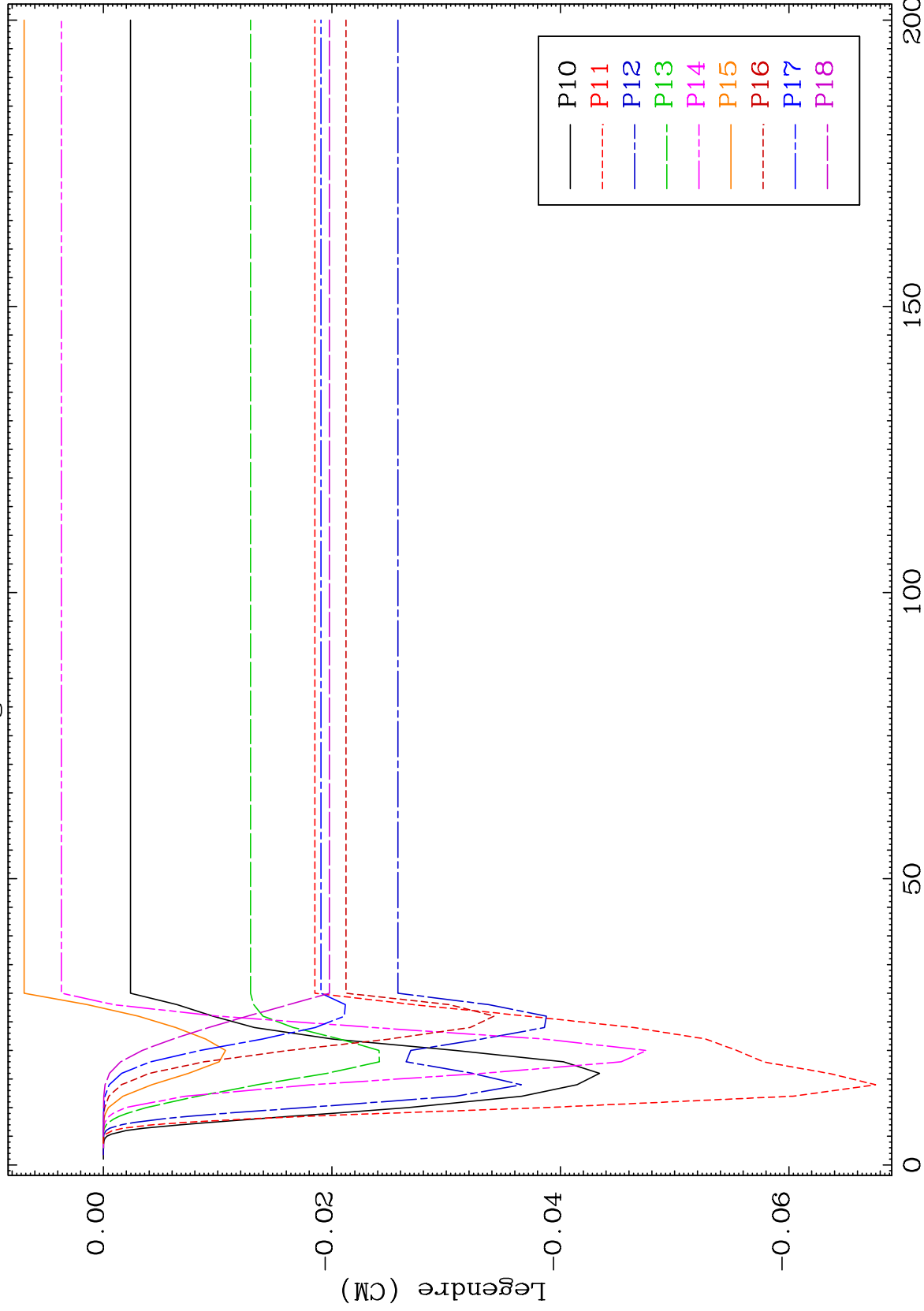
54-Xe-119

Incident Energy (MeV)

MAT 5410

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

54-Xe-119

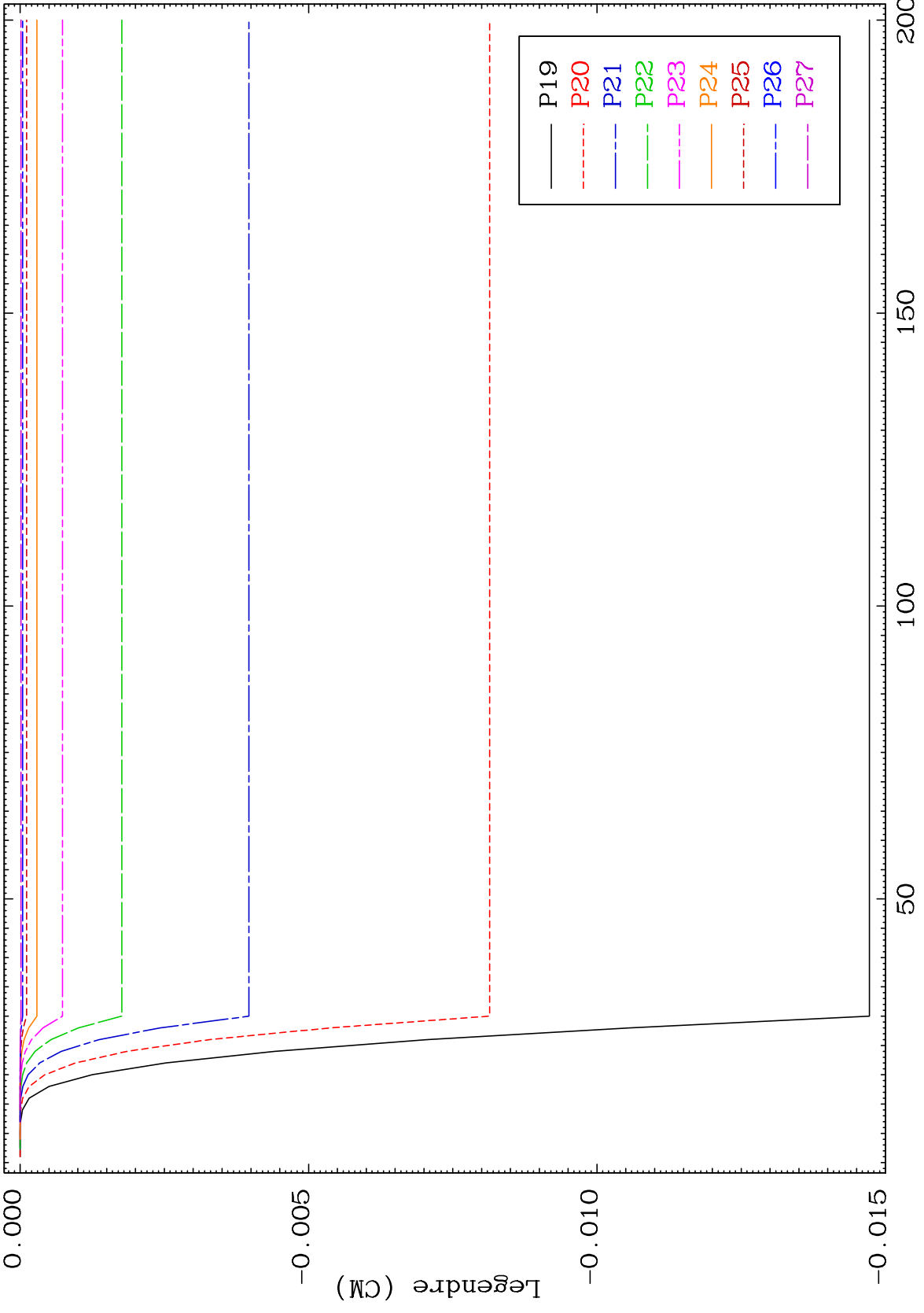


21

Incident Energy (MeV)

54-Xe-119

MAT 5410 MT= 51 (n,n') Level Legendre Coefficients 54-Xe-119

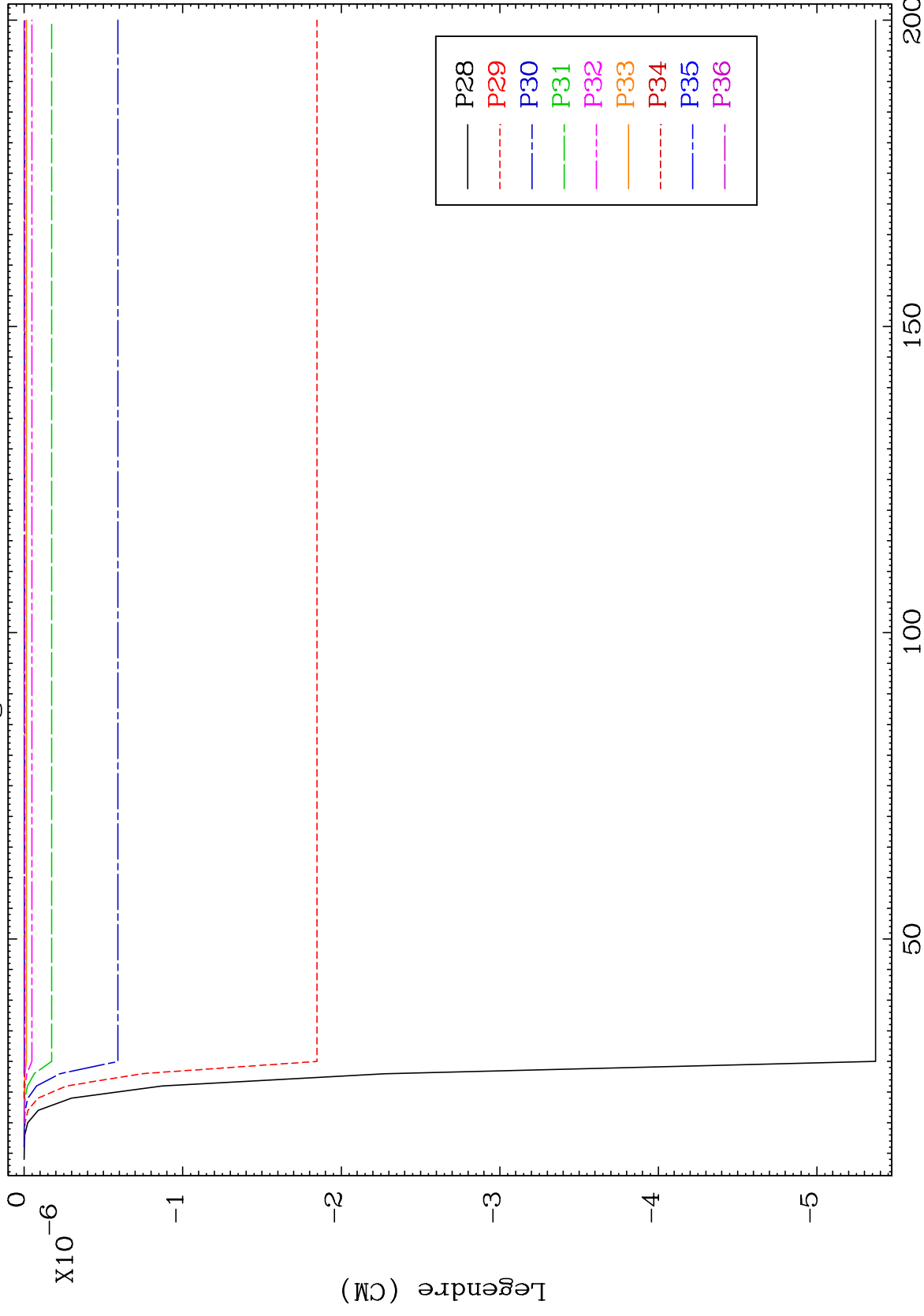


22 Incident Energy (MeV) 54-Xe-119

MAT 5410

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

54-Xe-119



54-Xe-119

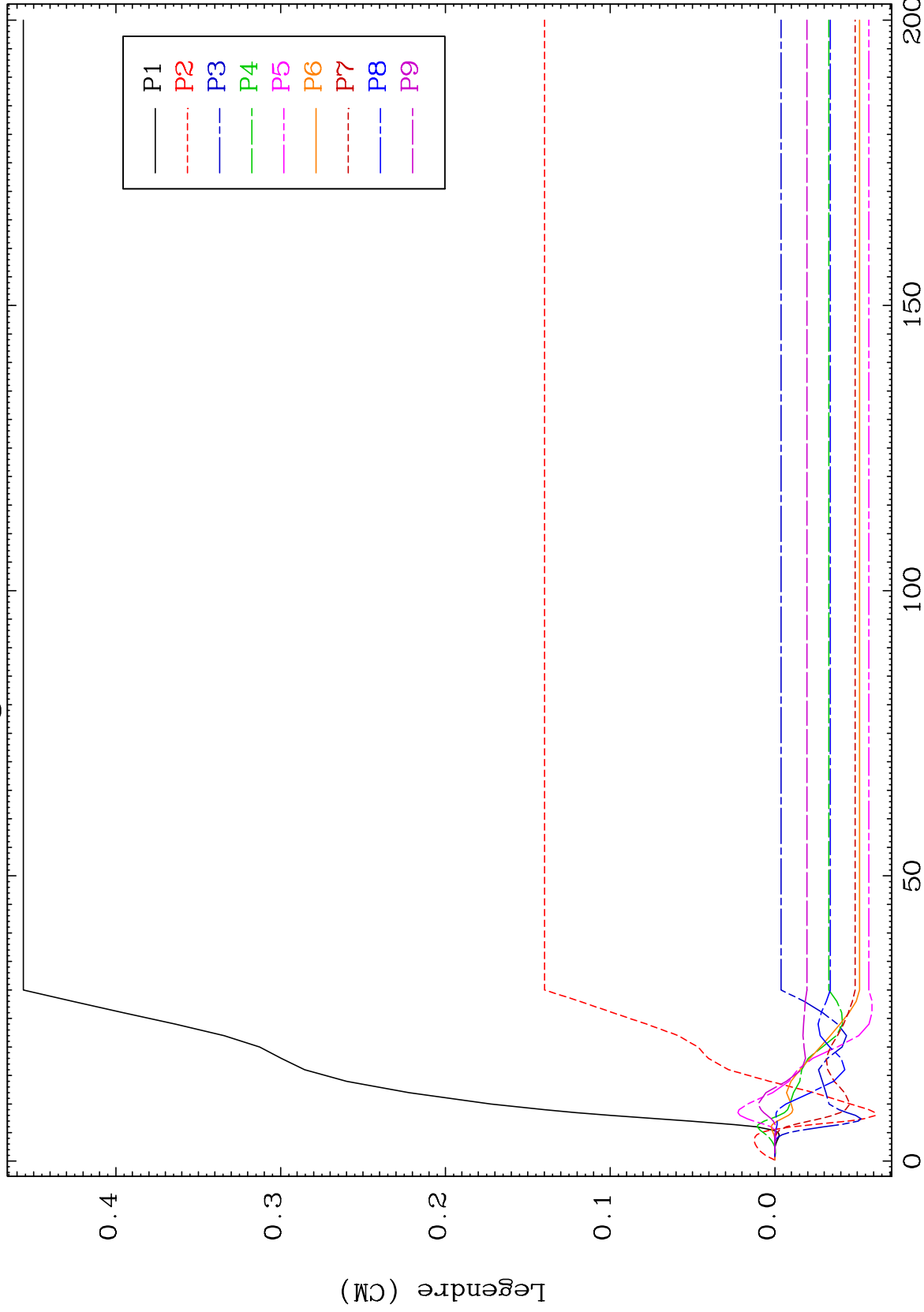
Incident Energy (MeV)

23

MAT 5410

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

54-Xe-119

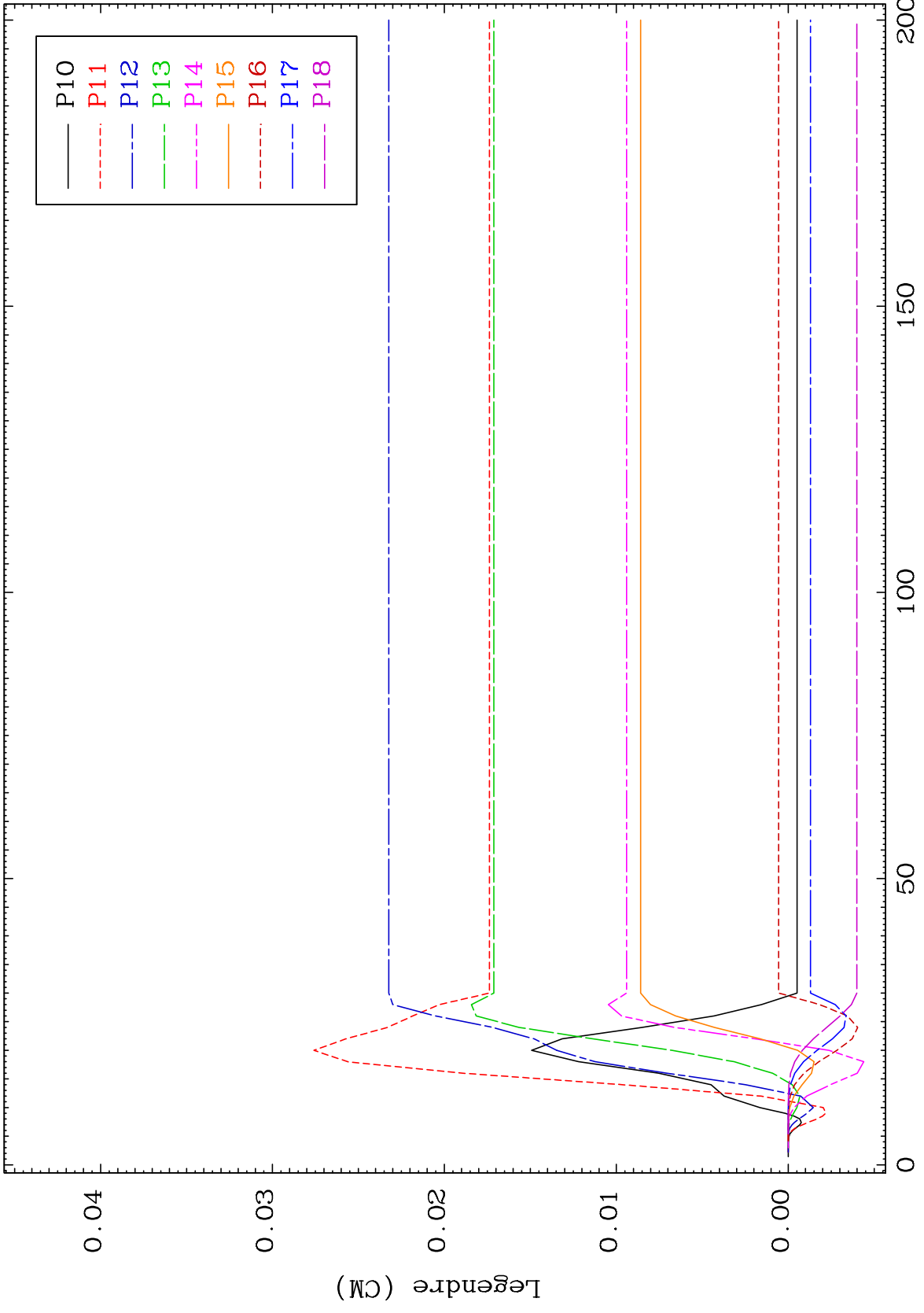


24

Incident Energy (MeV)

54-Xe-119

MAT 5410 MT= 52 (n,n') Level Legendre Coefficients 54-Xe-119

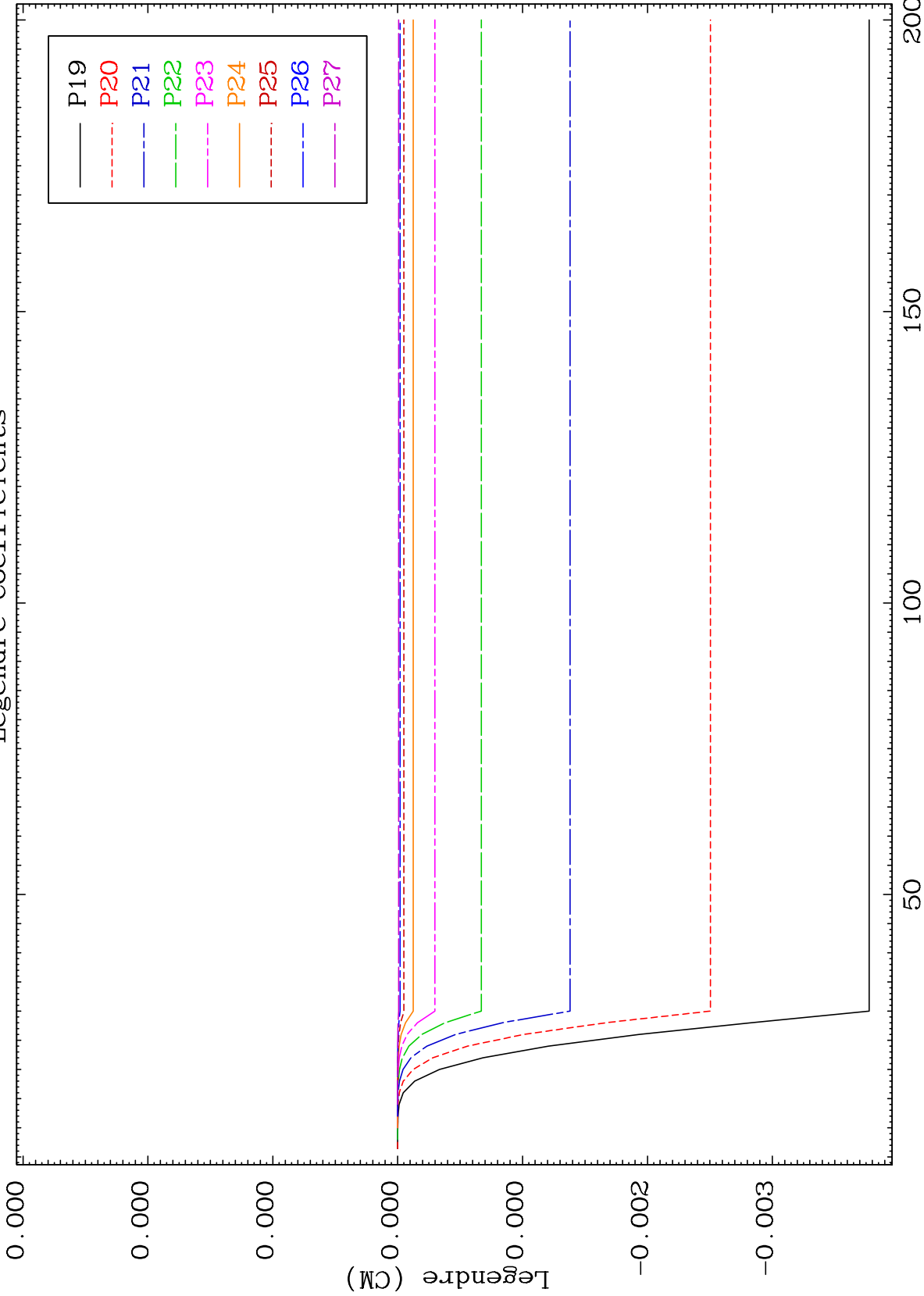


54-Xe-119

MAT 5410

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

54-Xe-119



26

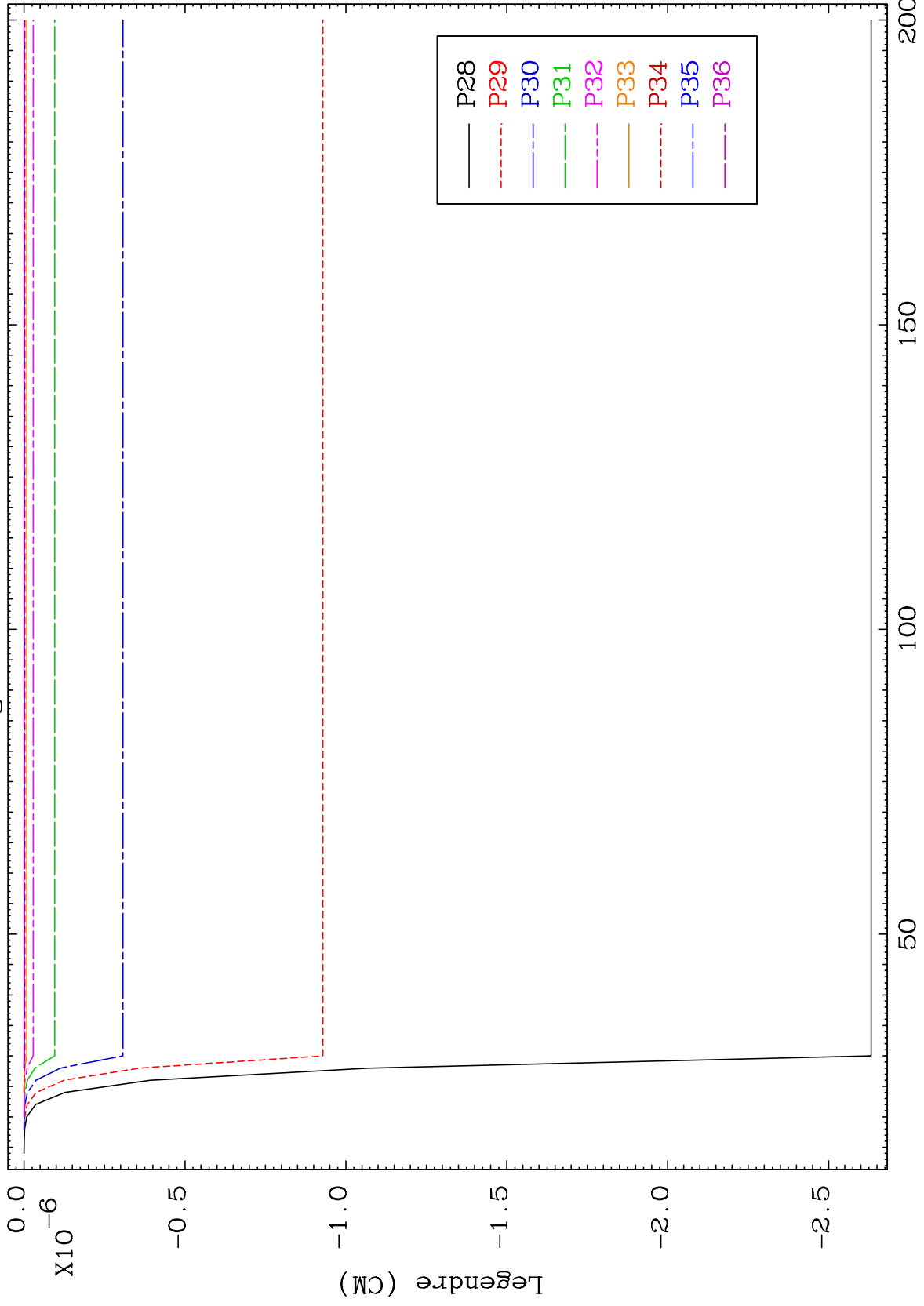
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119



27

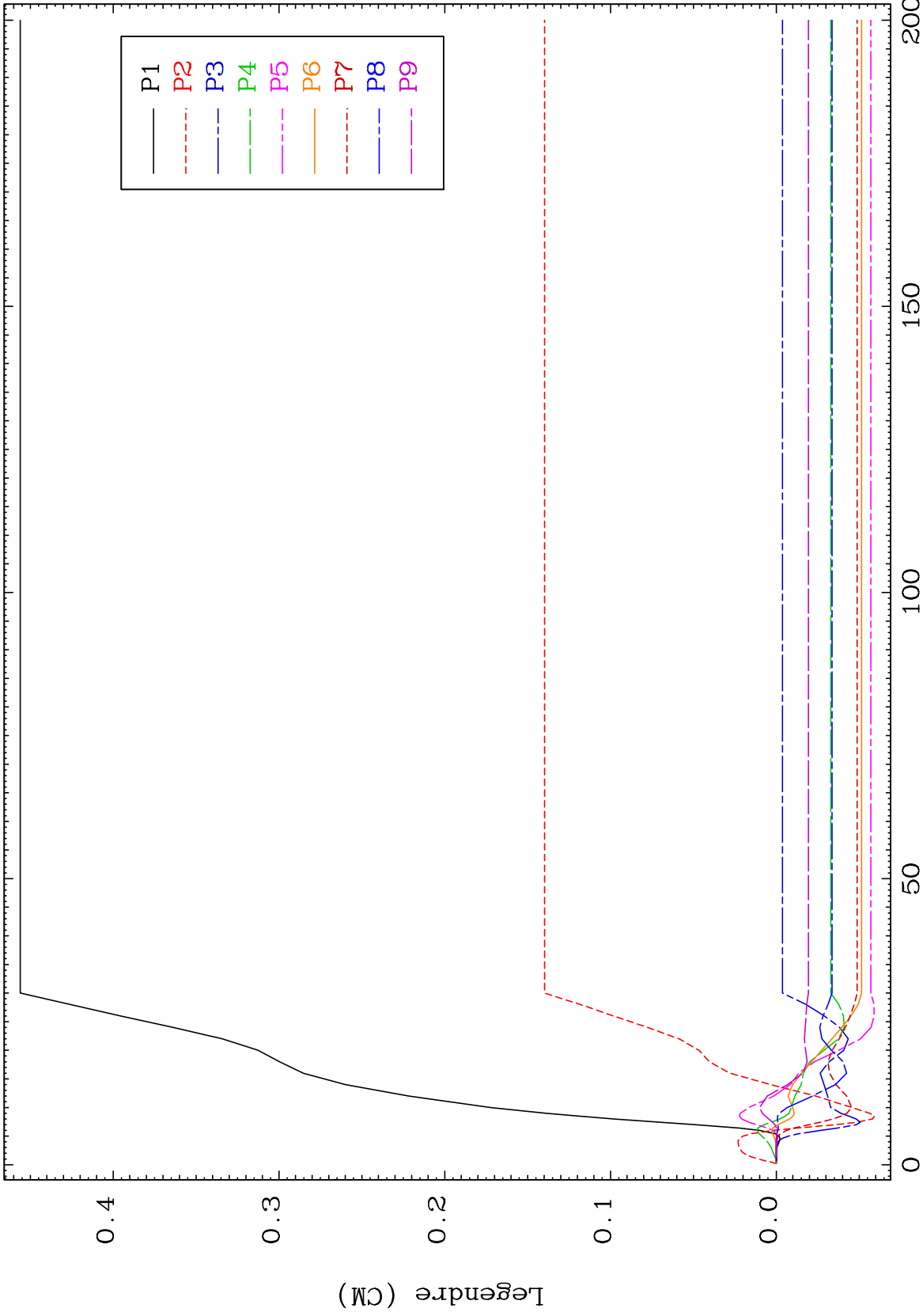
54-Xe-119

200

MAT 5410

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

54-Xe-119



28

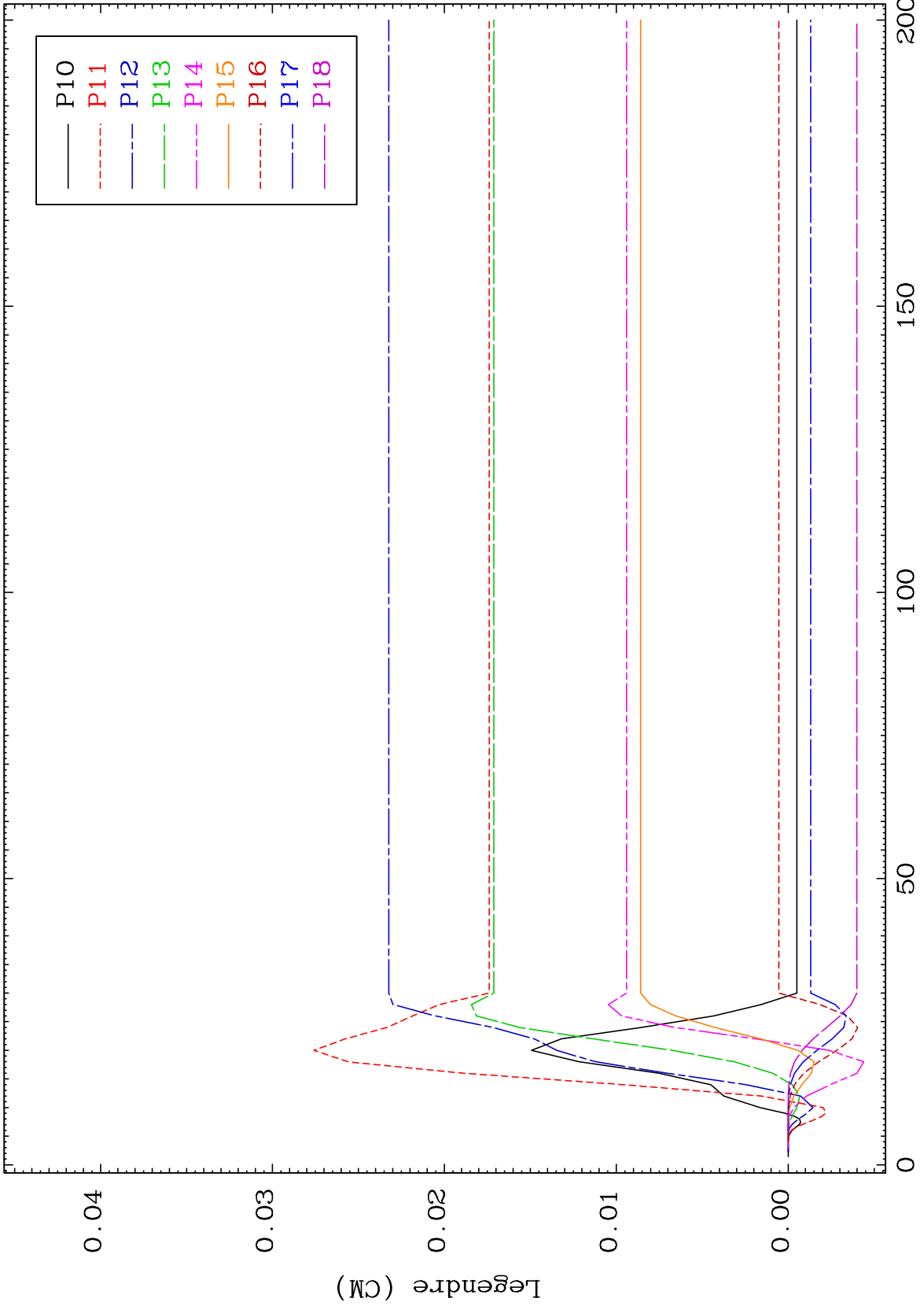
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119

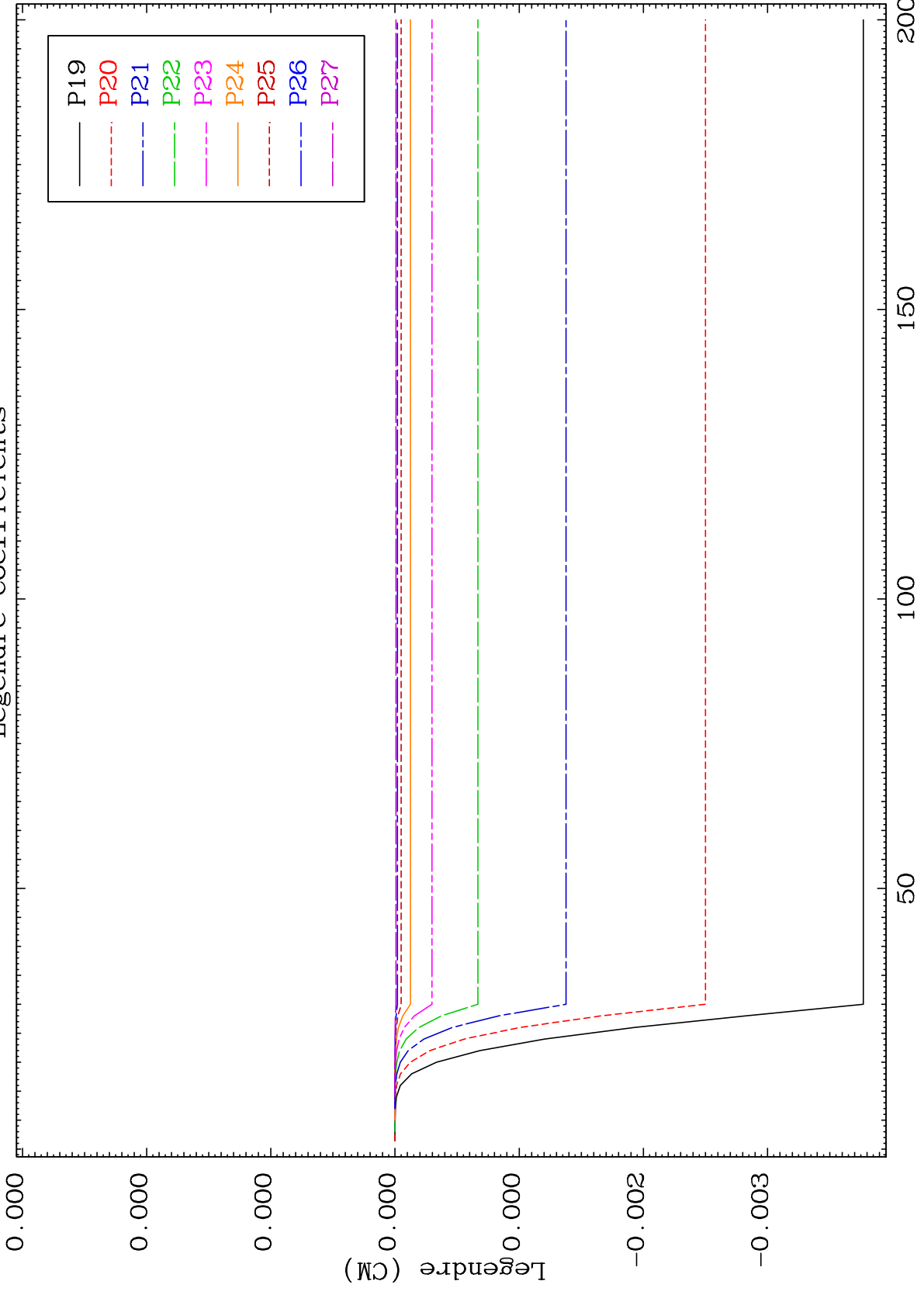


29

Incident Energy (MeV)

54-Xe-119

MAT 5410 MT= 53 (n,n') Level Legendre Coefficients 54-Xe-119

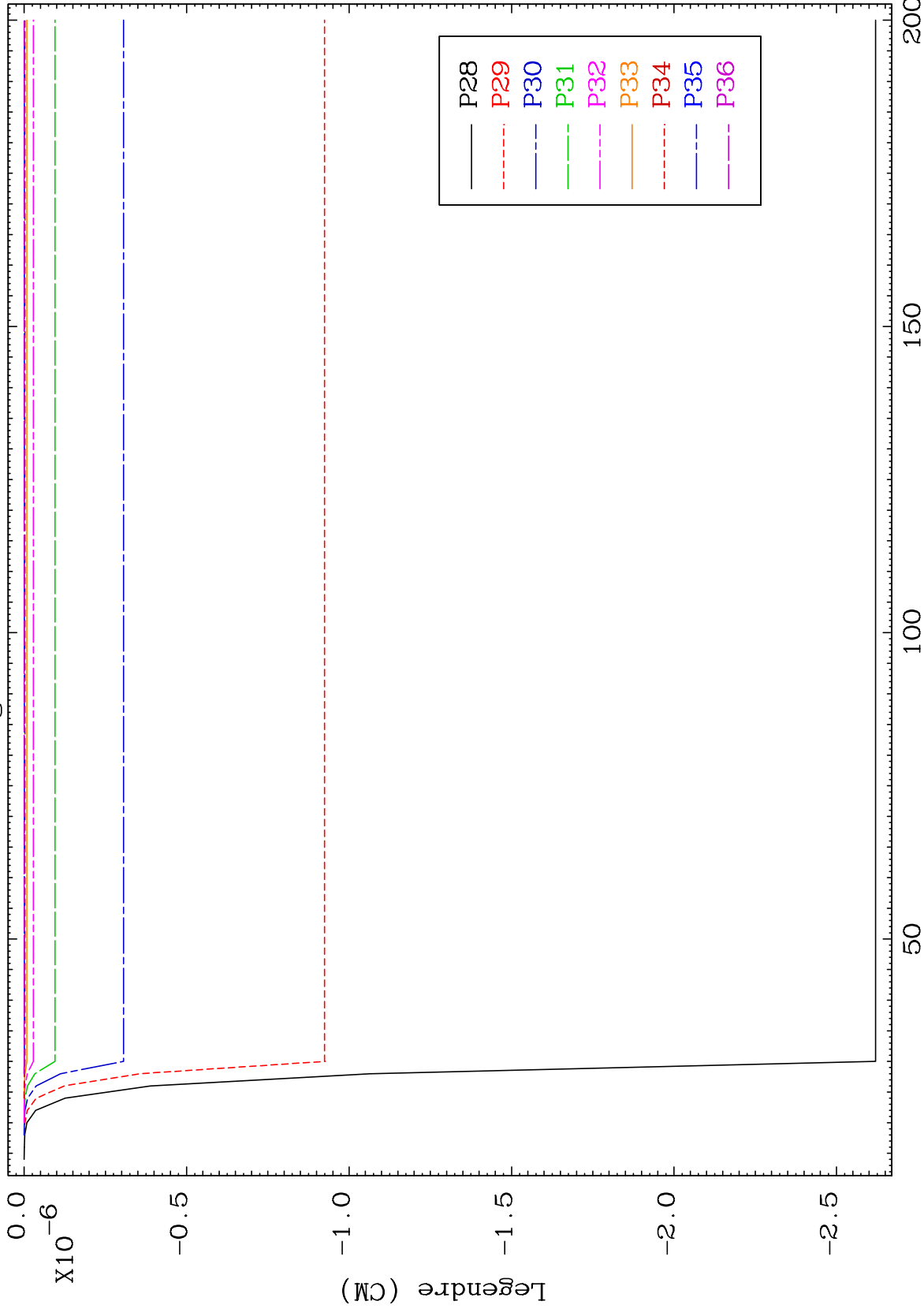


30 50 100 150 200 Incident Energy (MeV) 54-Xe-119

MAT 5410

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

54-Xe-119



54-Xe-119

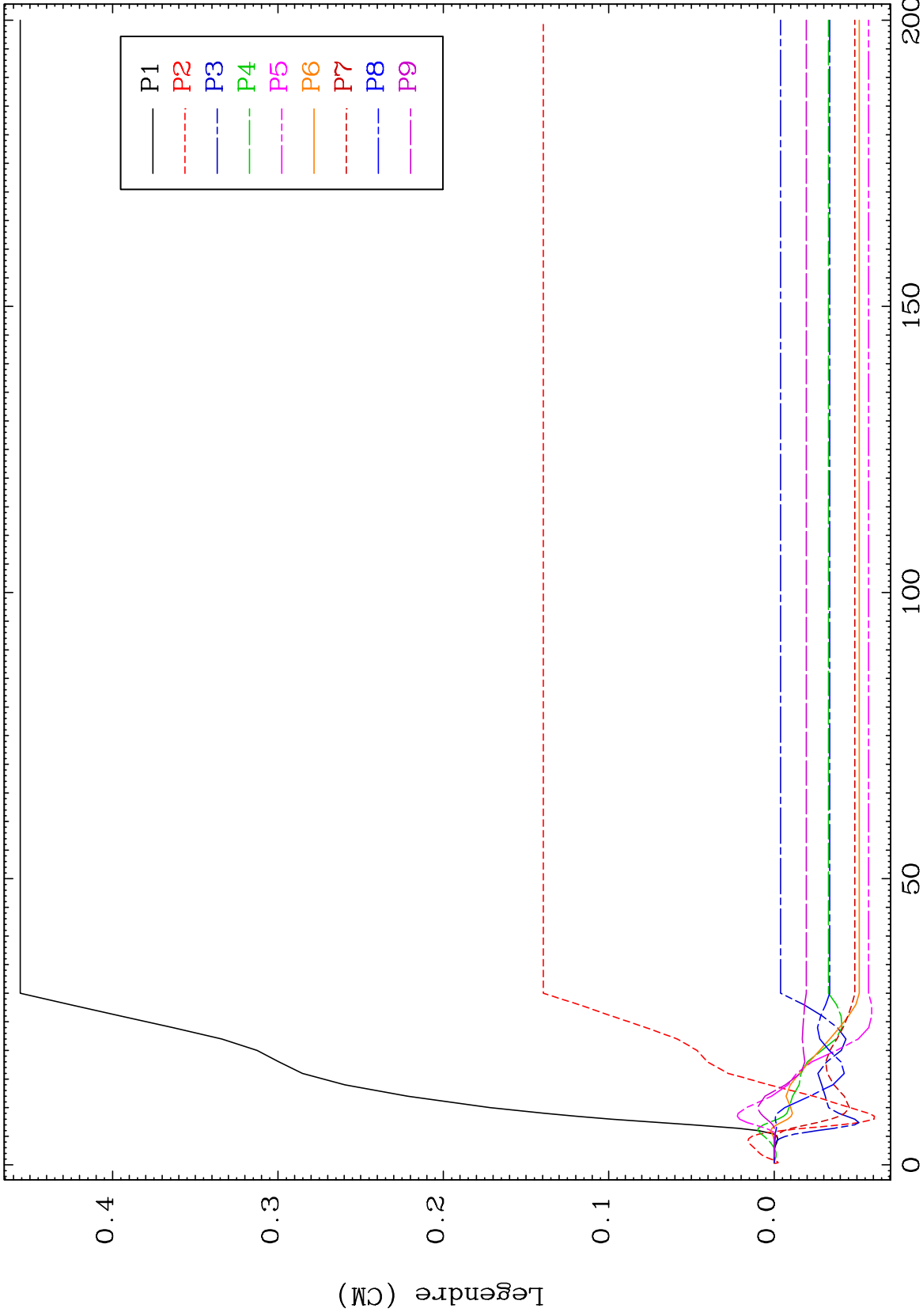
Incident Energy (MeV)

31

MAT 5410

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

54-Xe-119



32

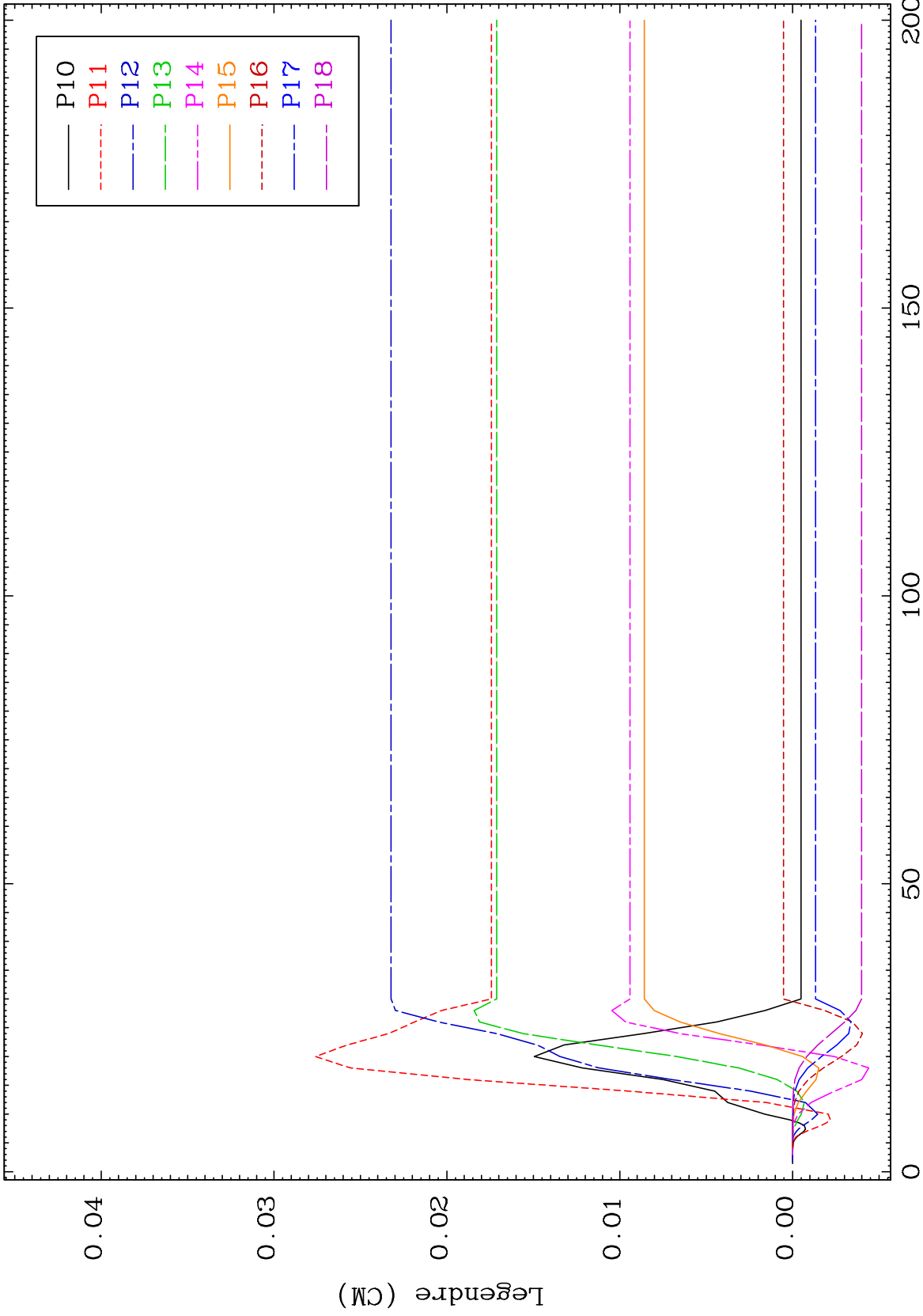
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119

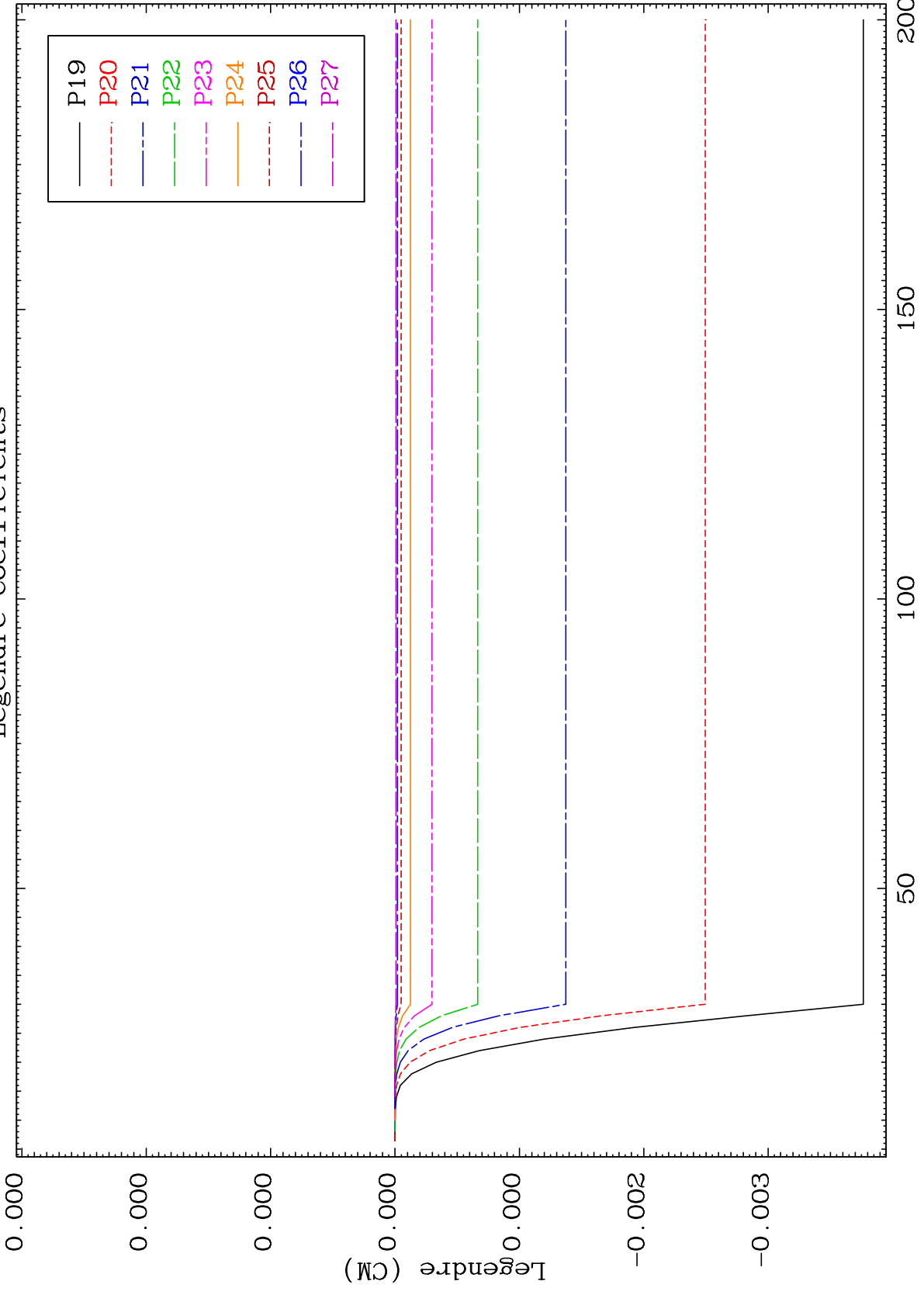


33

Incident Energy (MeV)

54-Xe-119

MAT 5410 MT= 54 (n,n') Level Legendre Coefficients 54-Xe-119

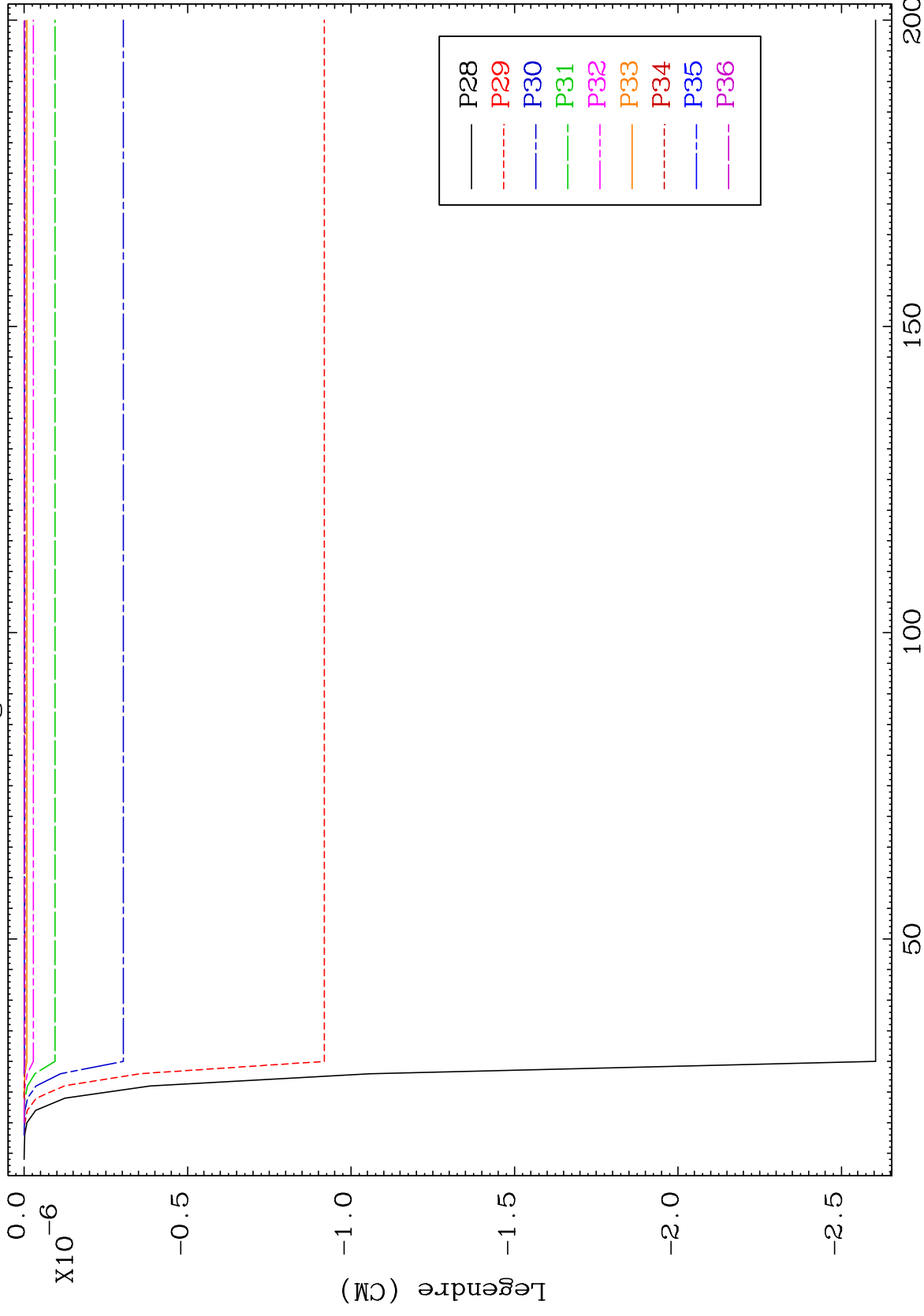


34 54-Xe-119

MAT 5410

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

54-Xe-119



54-Xe-119

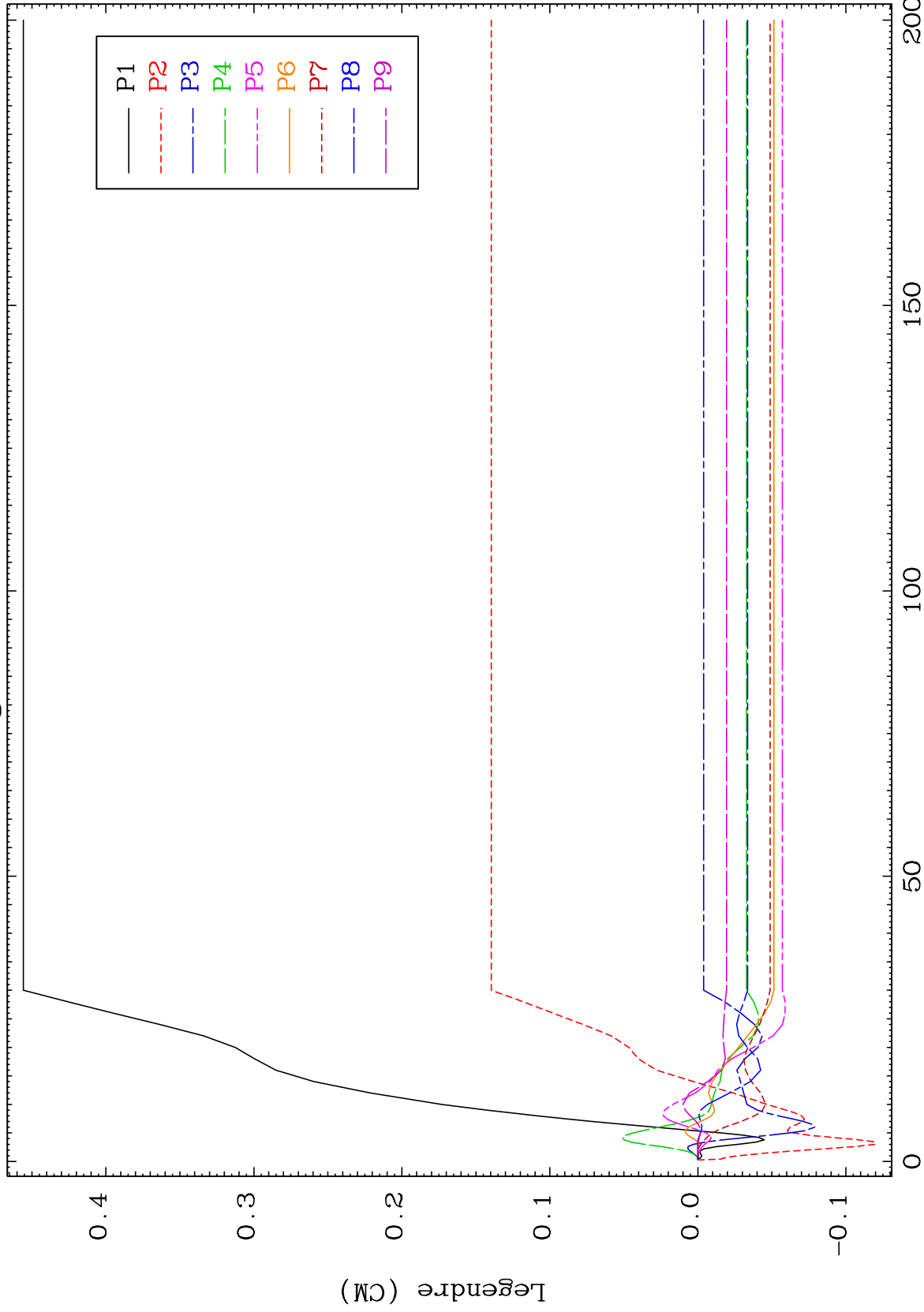
Incident Energy (MeV)

35

MAT 5410

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

54-Xe-119



36

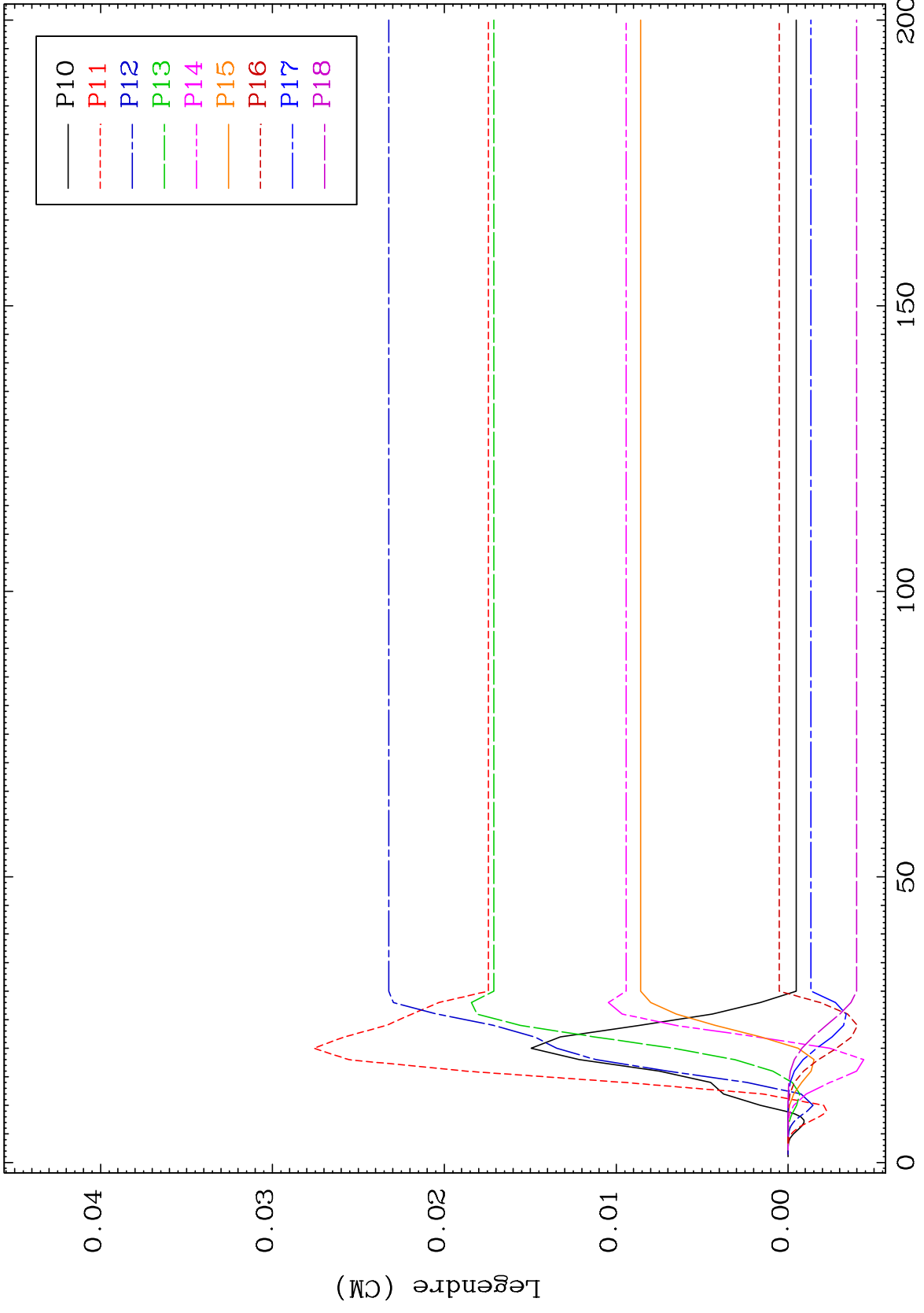
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119

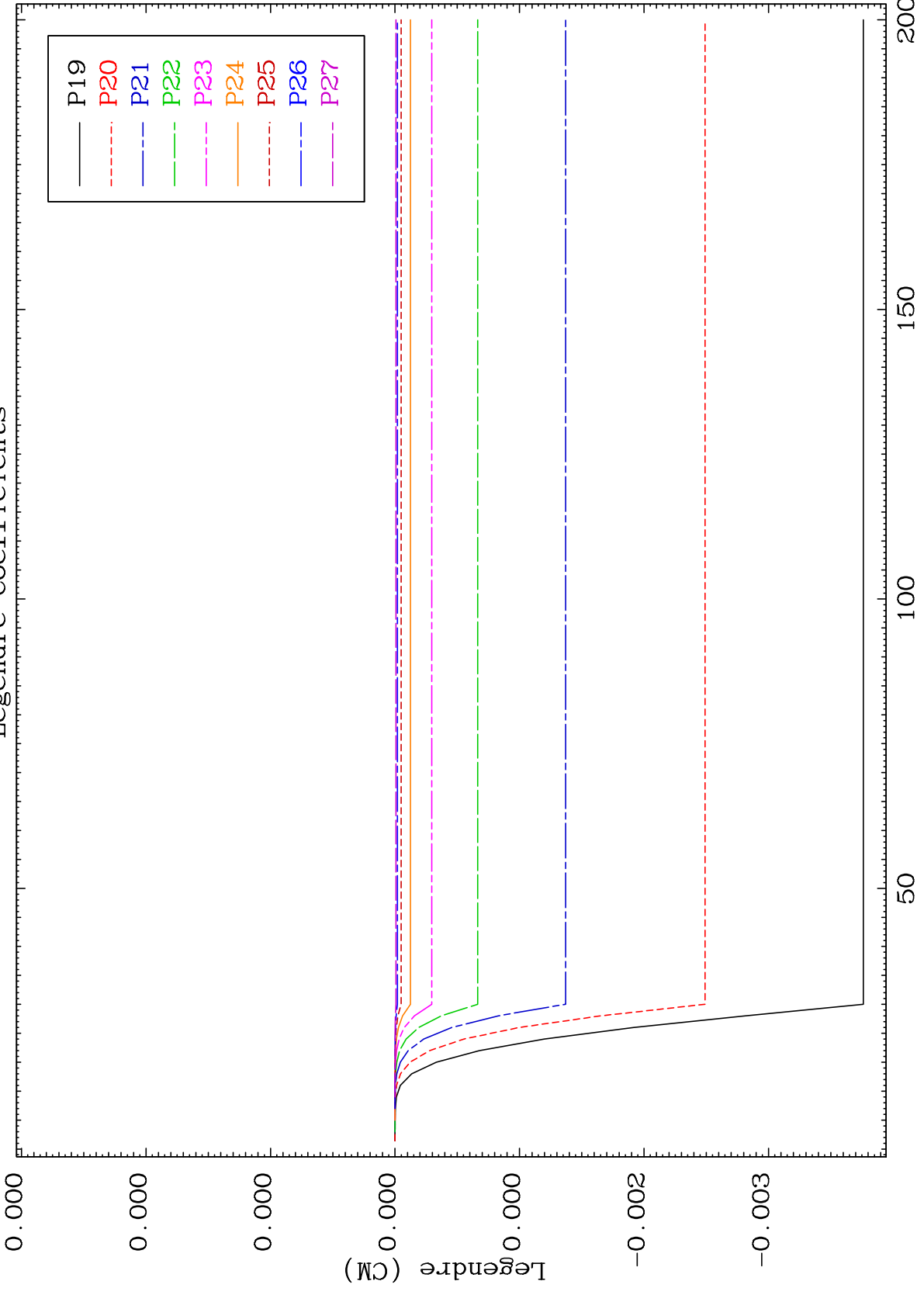


37

Incident Energy (MeV)

54-Xe-119

MAT 5410 MT= 55 (n,n') Level Legendre Coefficients 54-Xe-119

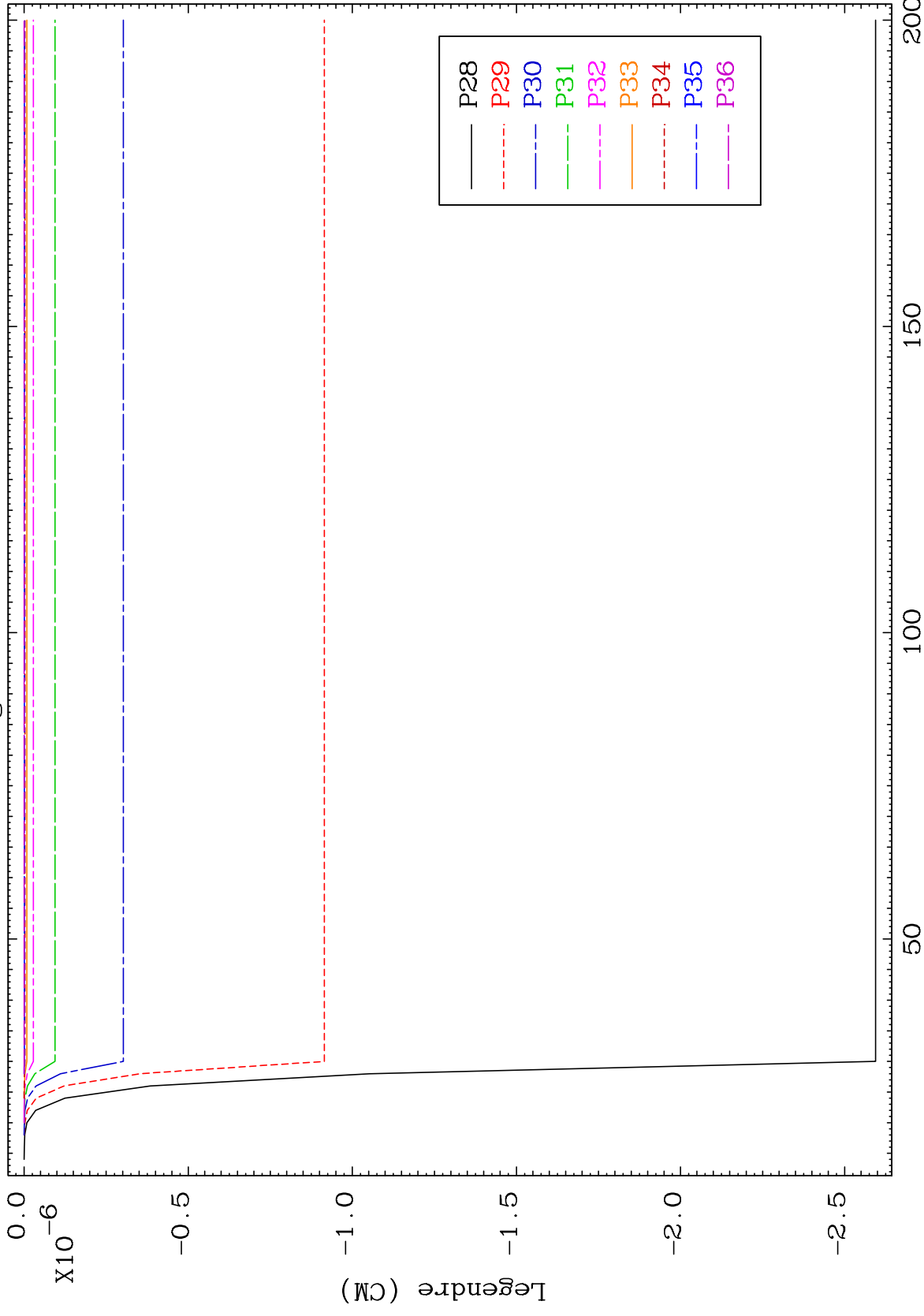


38 54-Xe-119

MAT 5410

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

54-Xe-119



54-Xe-119

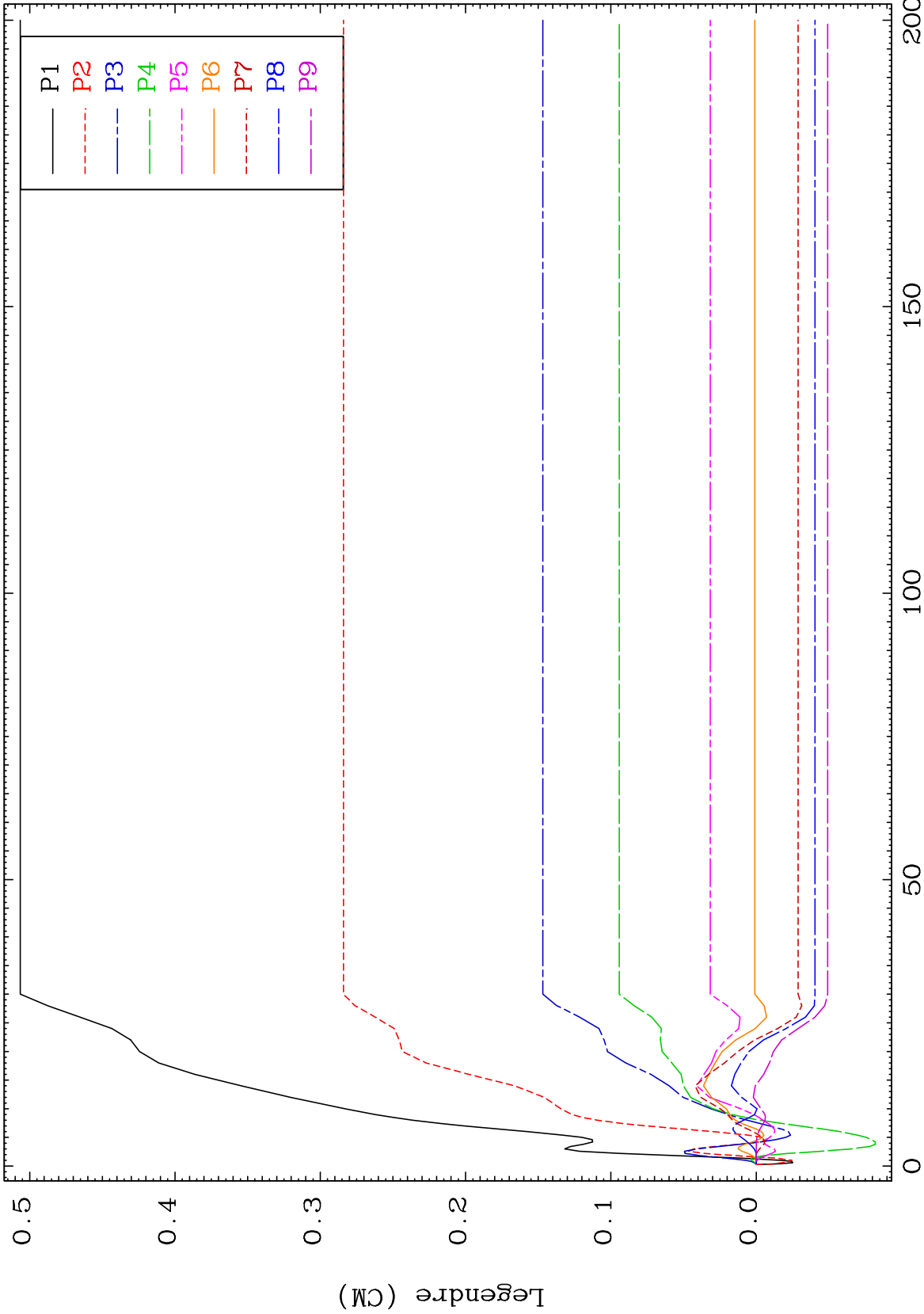
Incident Energy (MeV)

39

MAT 5410

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

54-Xe-119



40

0

50

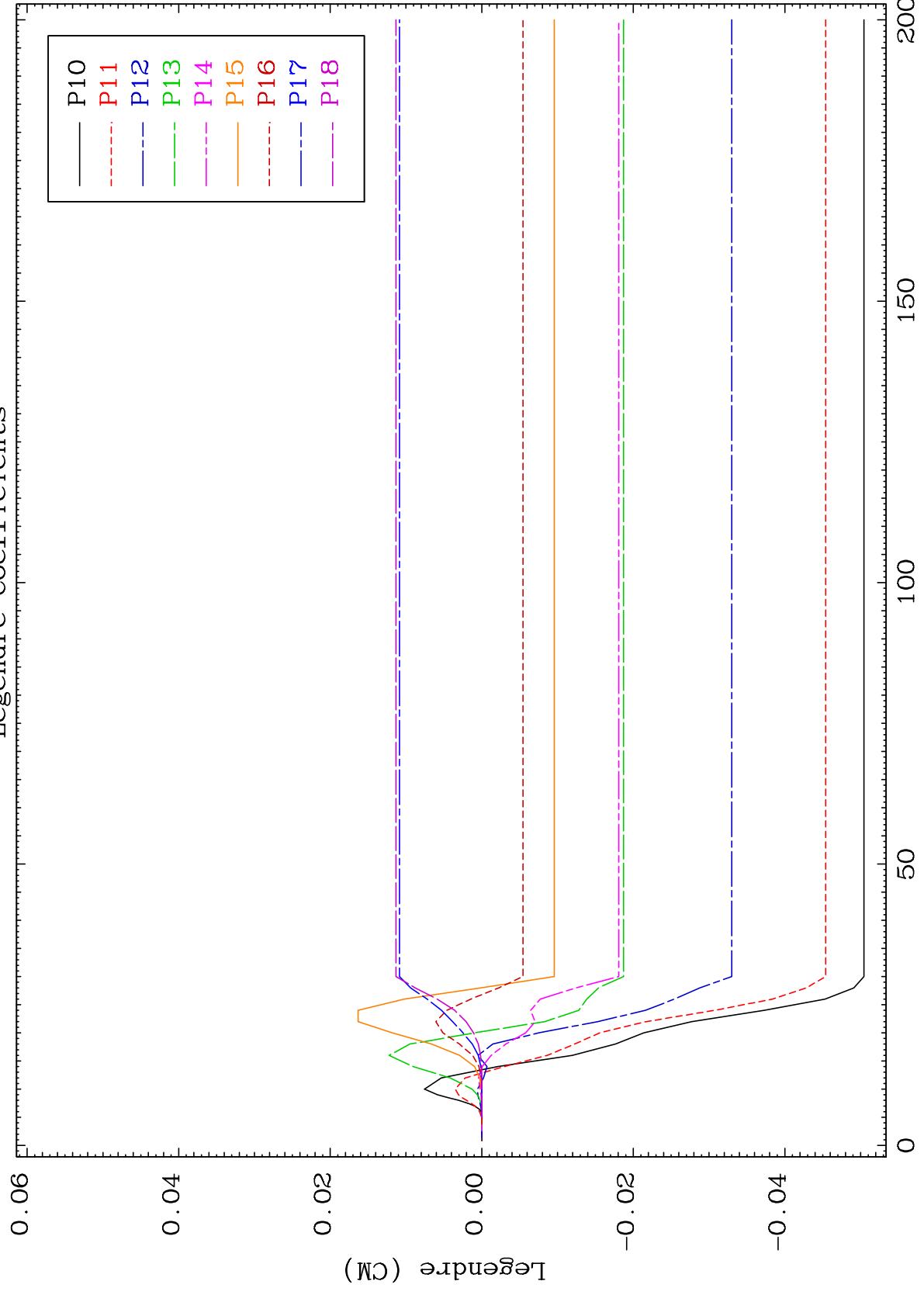
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150

200

54-Xe-119

MAT 5410 MT= 56 (n,n') Level Legendre Coefficients 54-Xe-119

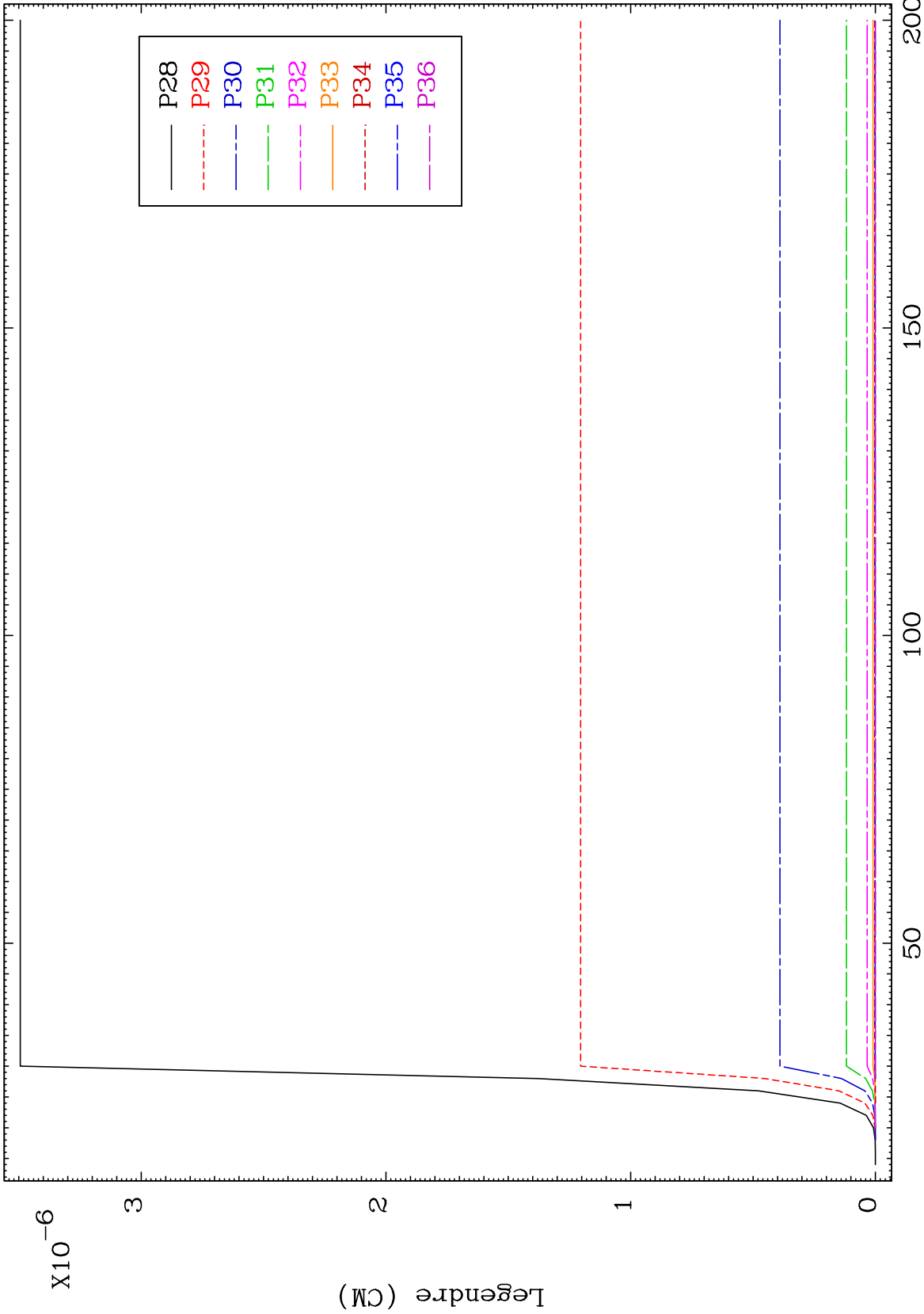


41 54-Xe-119

MAT 5410

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

54-Xe-119



43

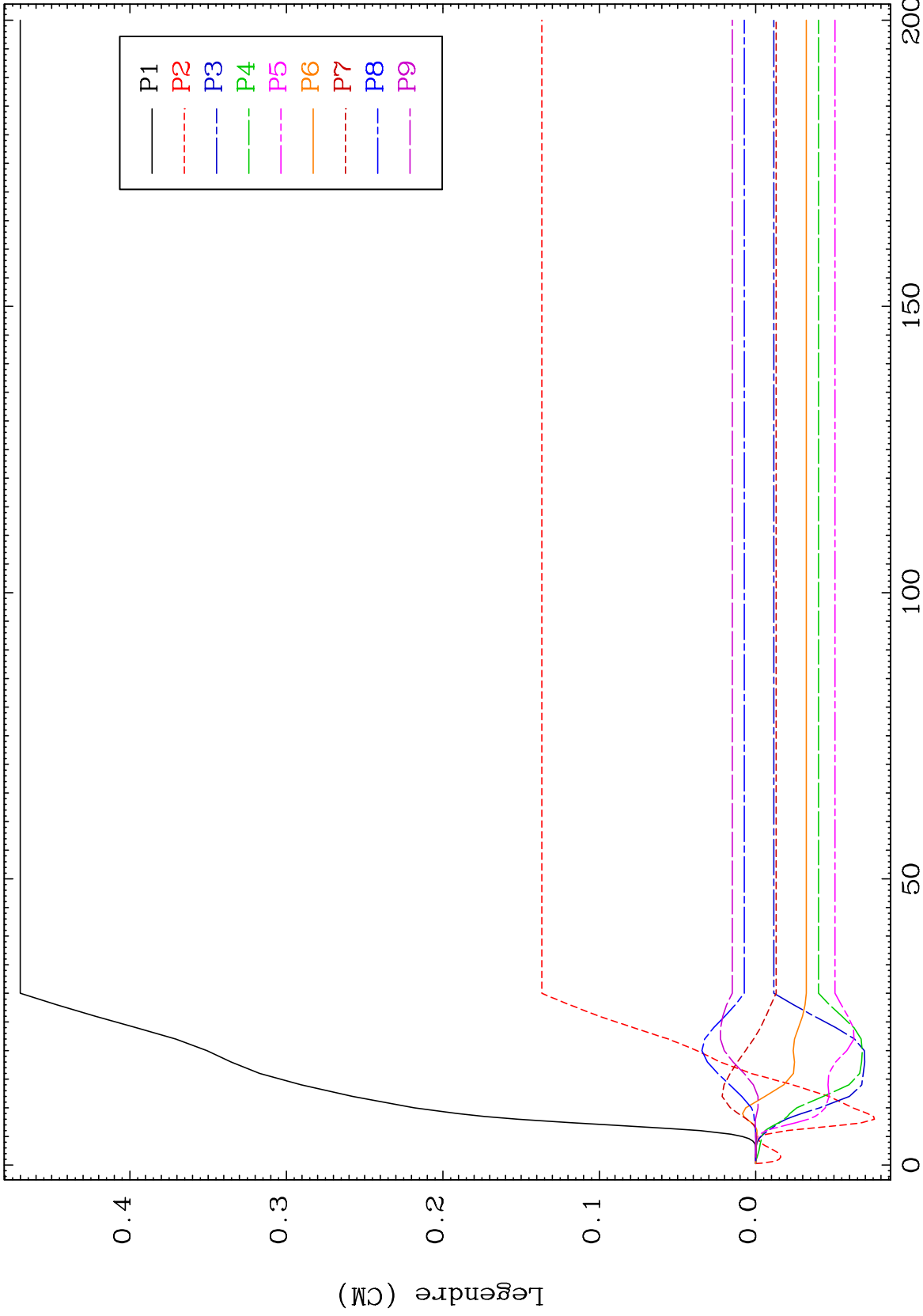
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119



44

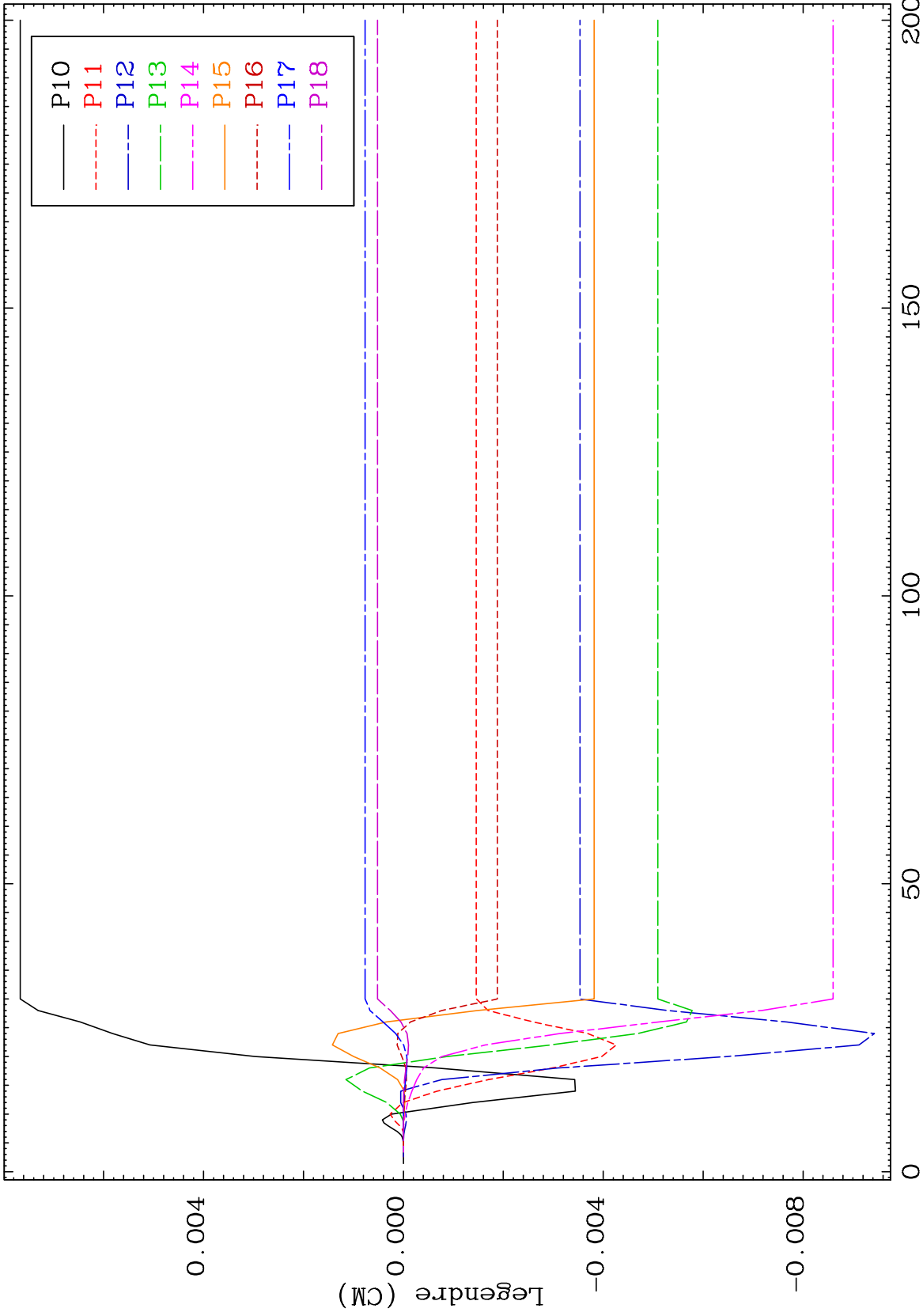
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119



45

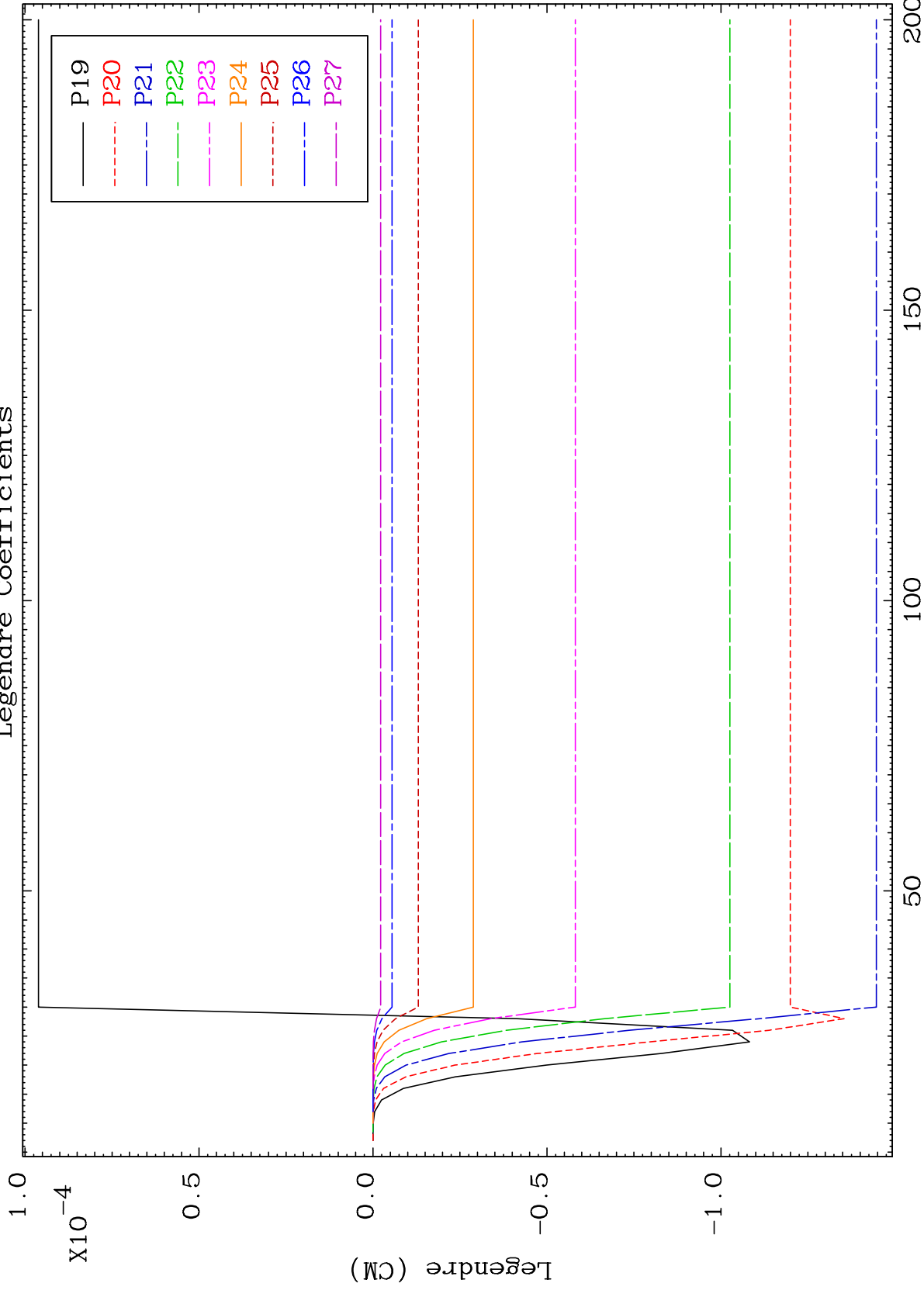
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119



46

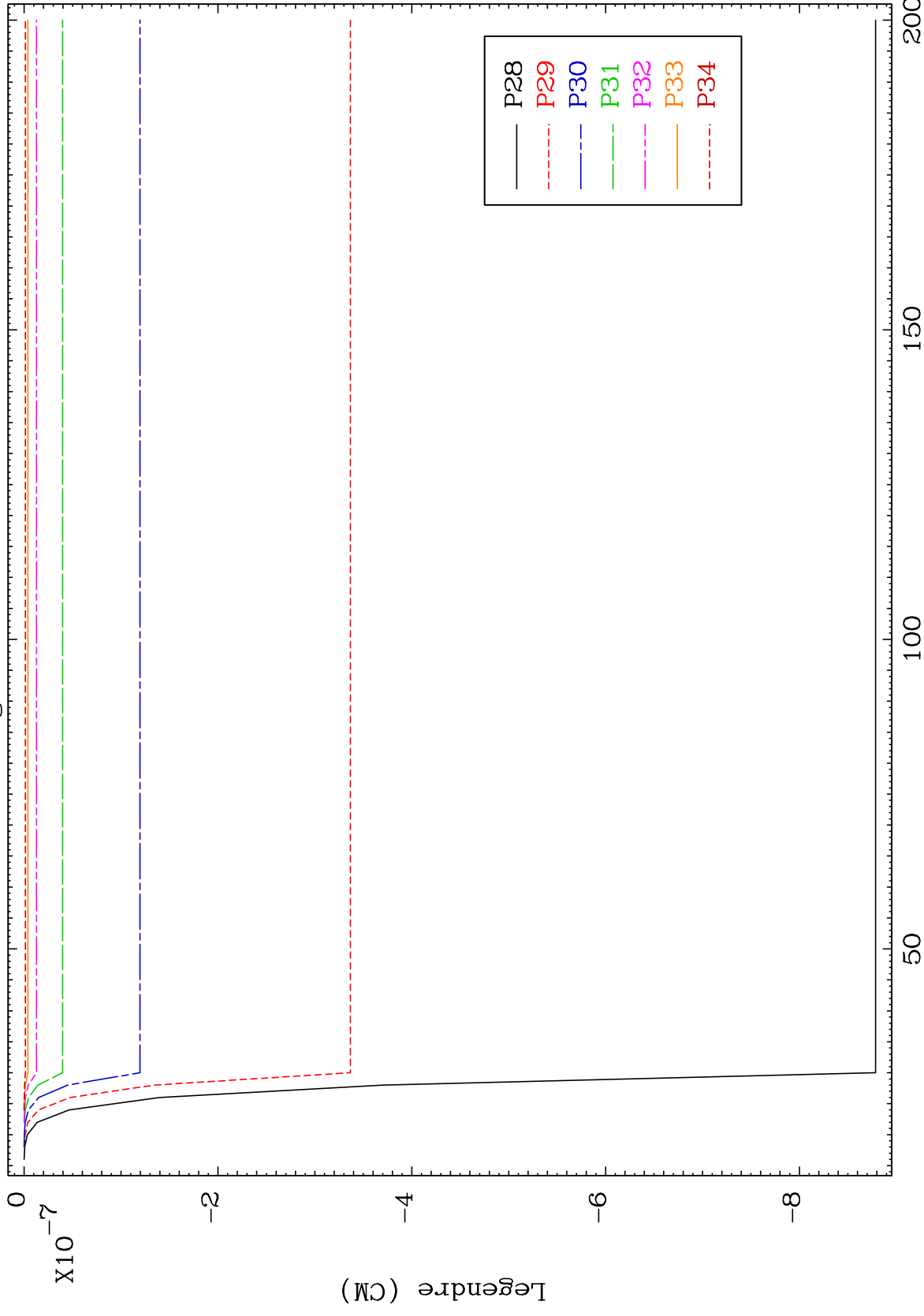
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119



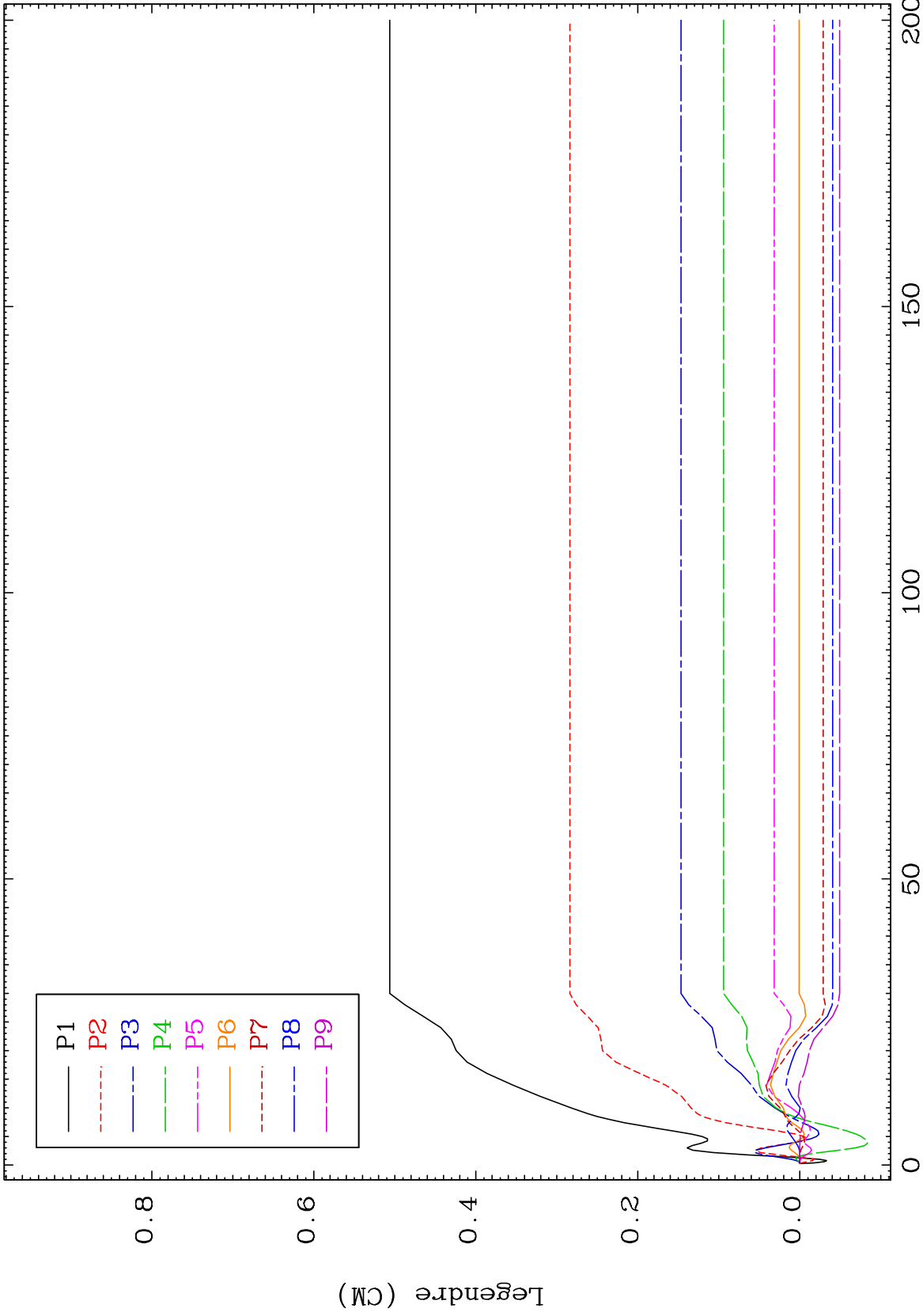
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54-Xe-119

MAT 5410

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

54-Xe-119

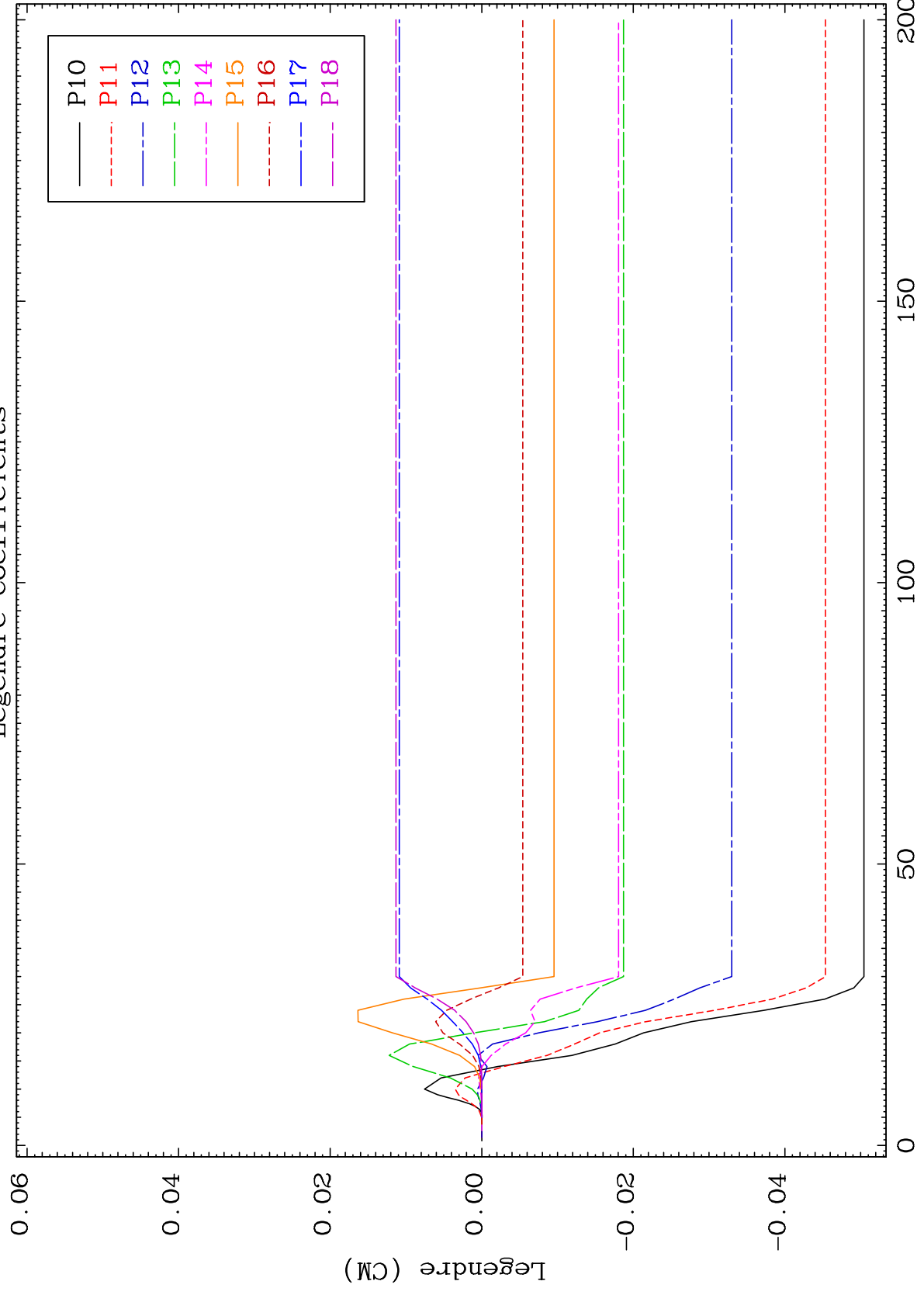


48

Incident Energy (MeV)

54-Xe-119

MAT 5410 MT= 58 (n,n') Level Legendre Coefficients 54-Xe-119

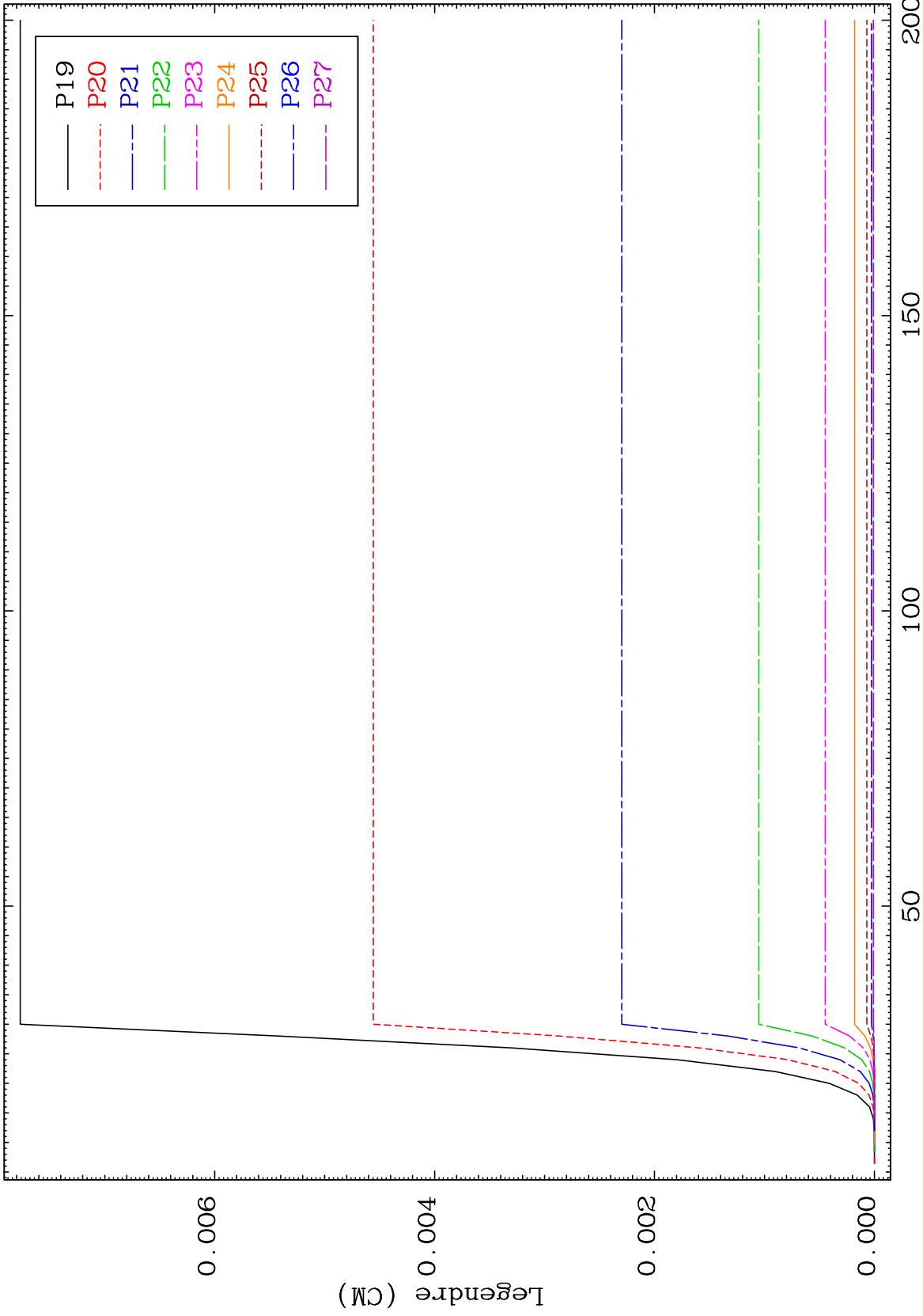


49 54-Xe-119

MAT 5410

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

54-Xe-119



50

Incident Energy (MeV)

150

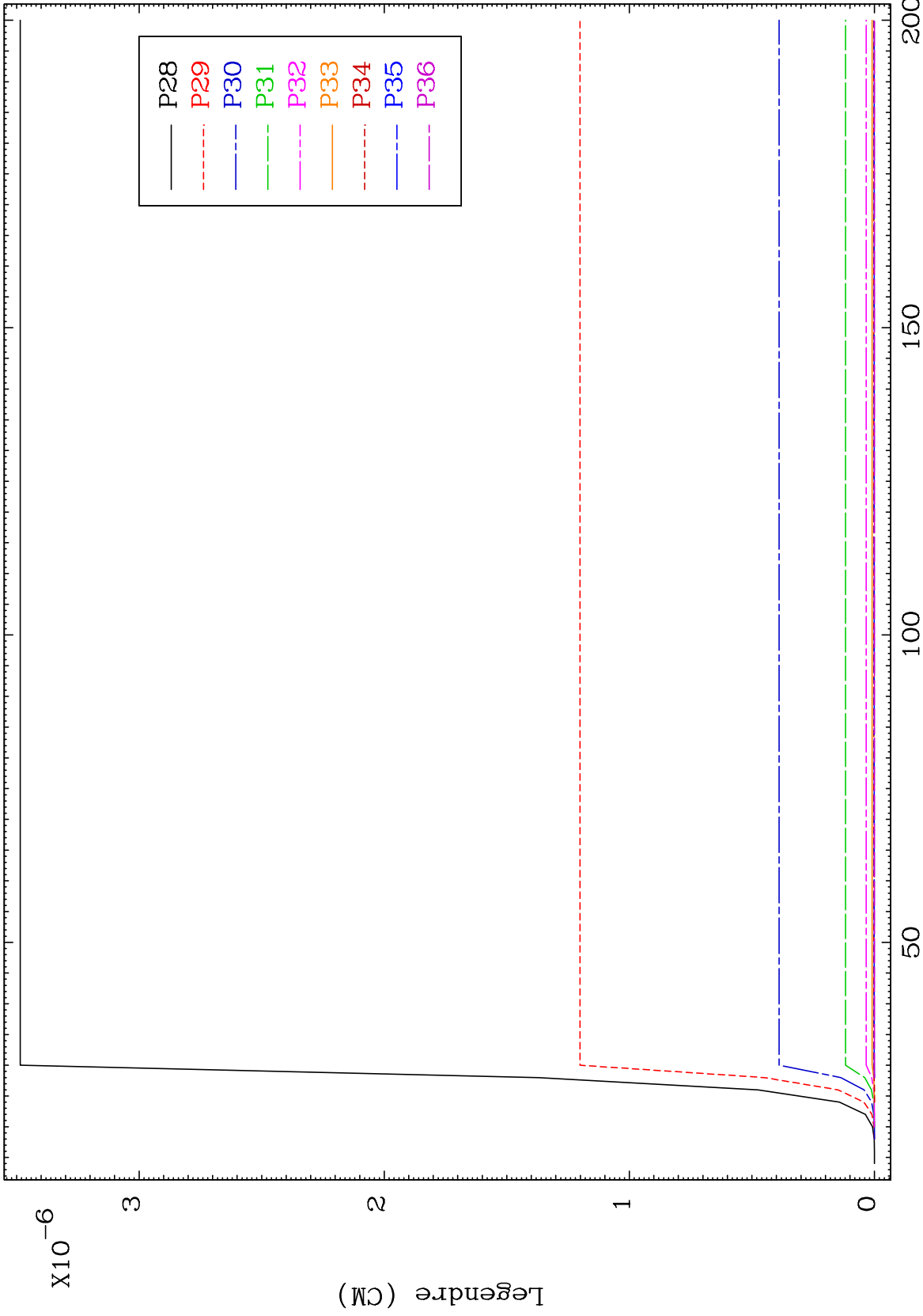
54-Xe-119

200

MAT 5410

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

54-Xe-119



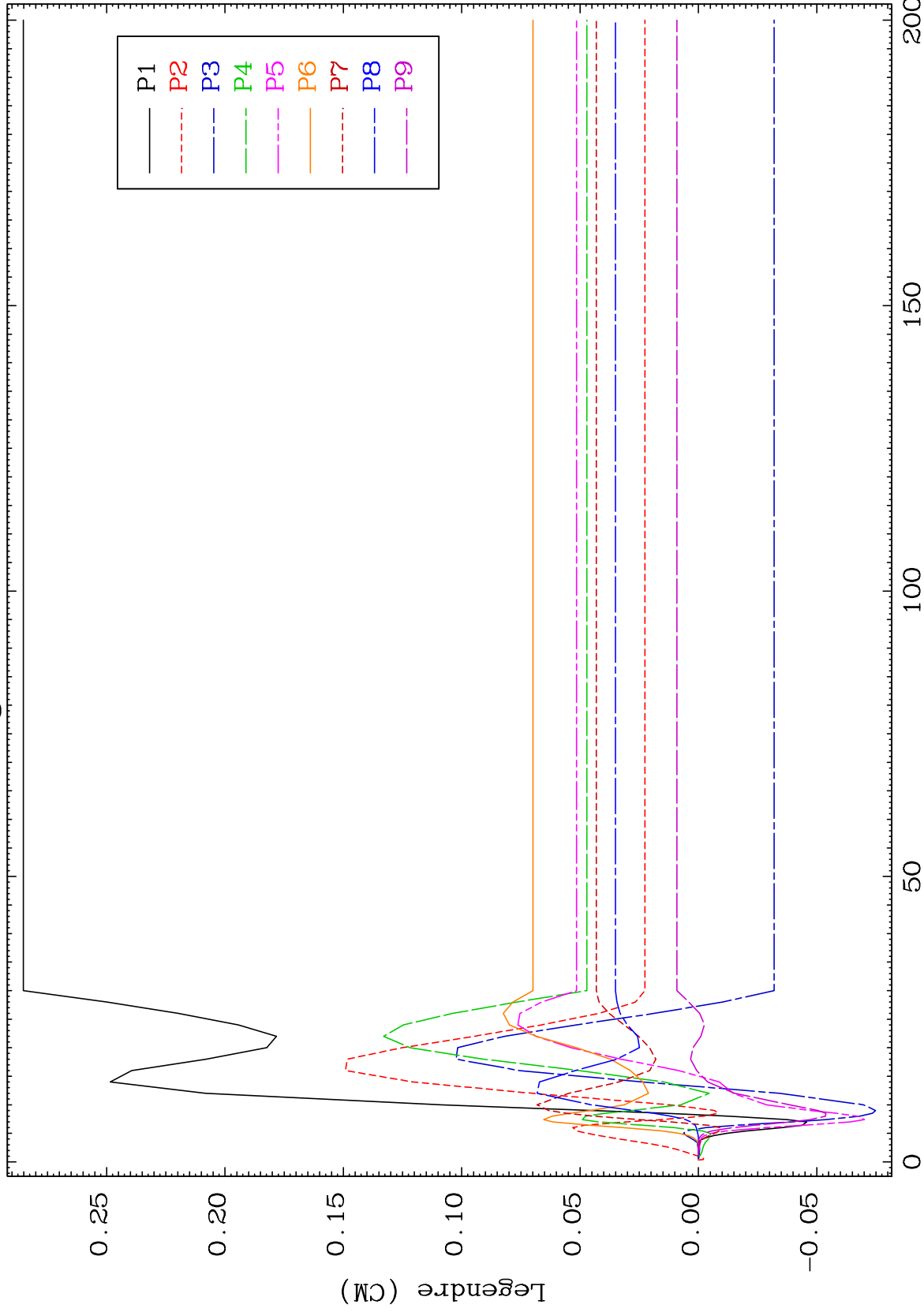
51

54-Xe-119

MAT 5410

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

54-Xe-119



52

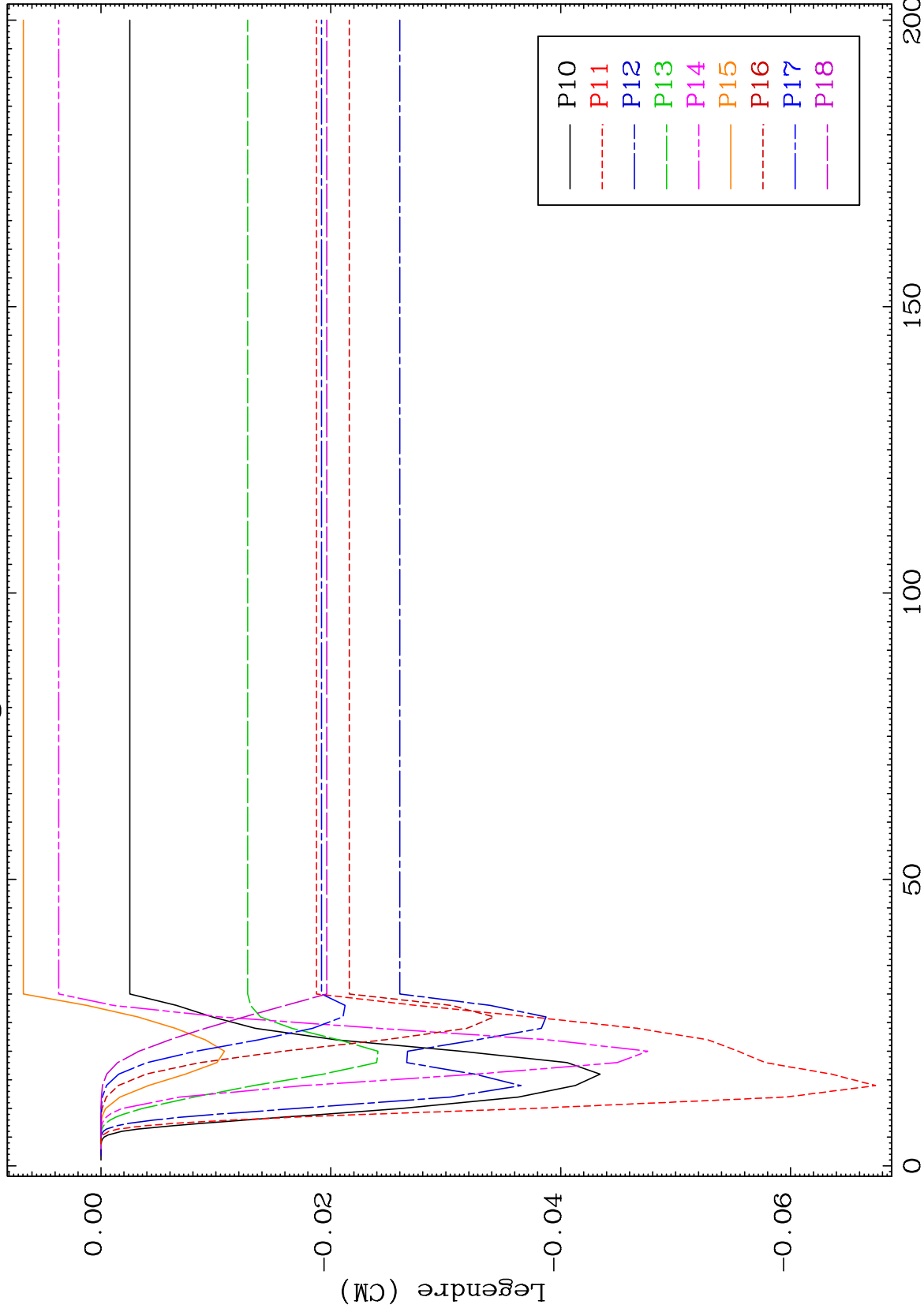
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119

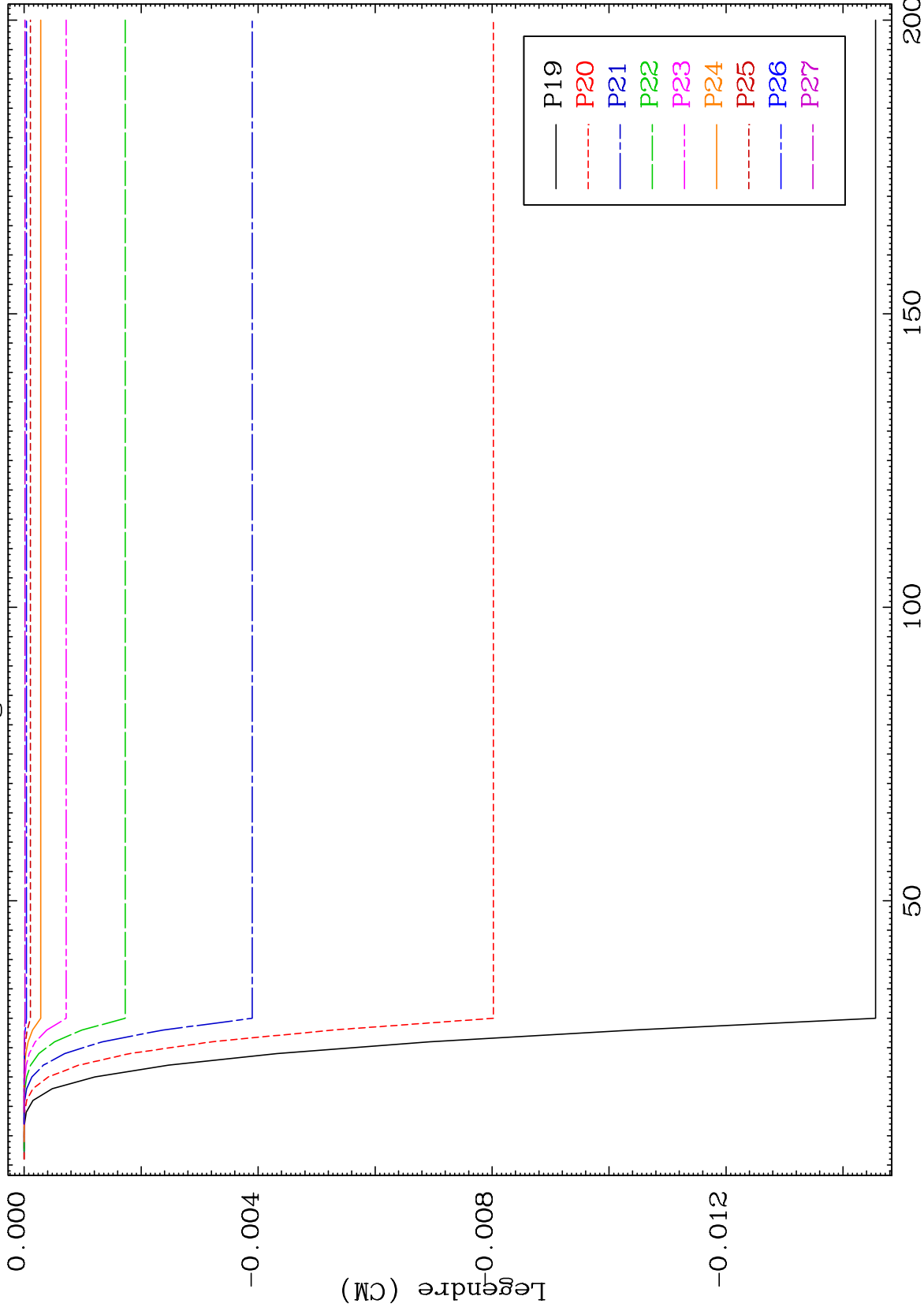


53

Incident Energy (MeV)

54-Xe-119

MAT 5410 MT= 59 (n,n') Level Legendre Coefficients 54-Xe-119

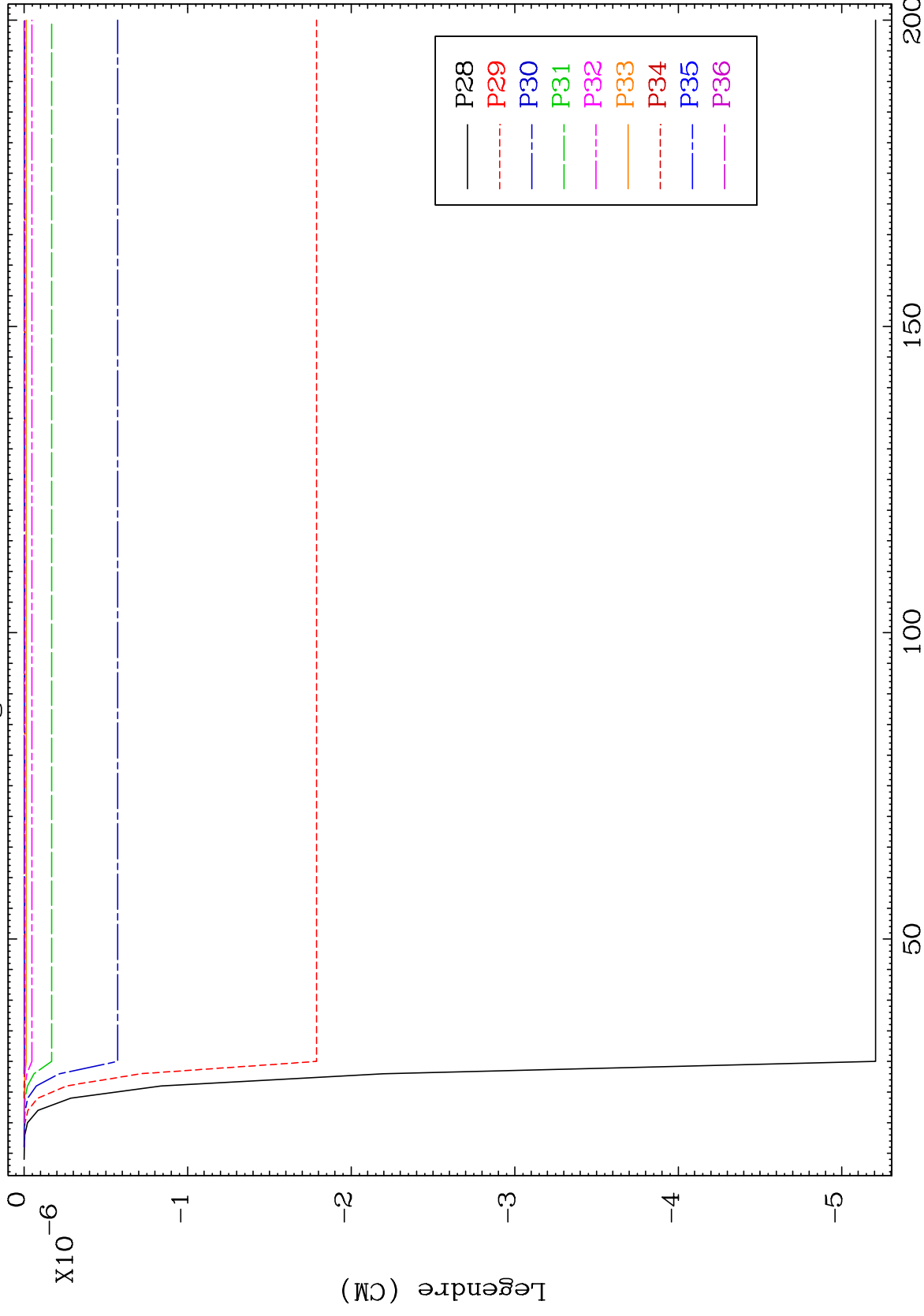


54 54-Xe-119

MAT 5410

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

54-Xe-119



54-Xe-119

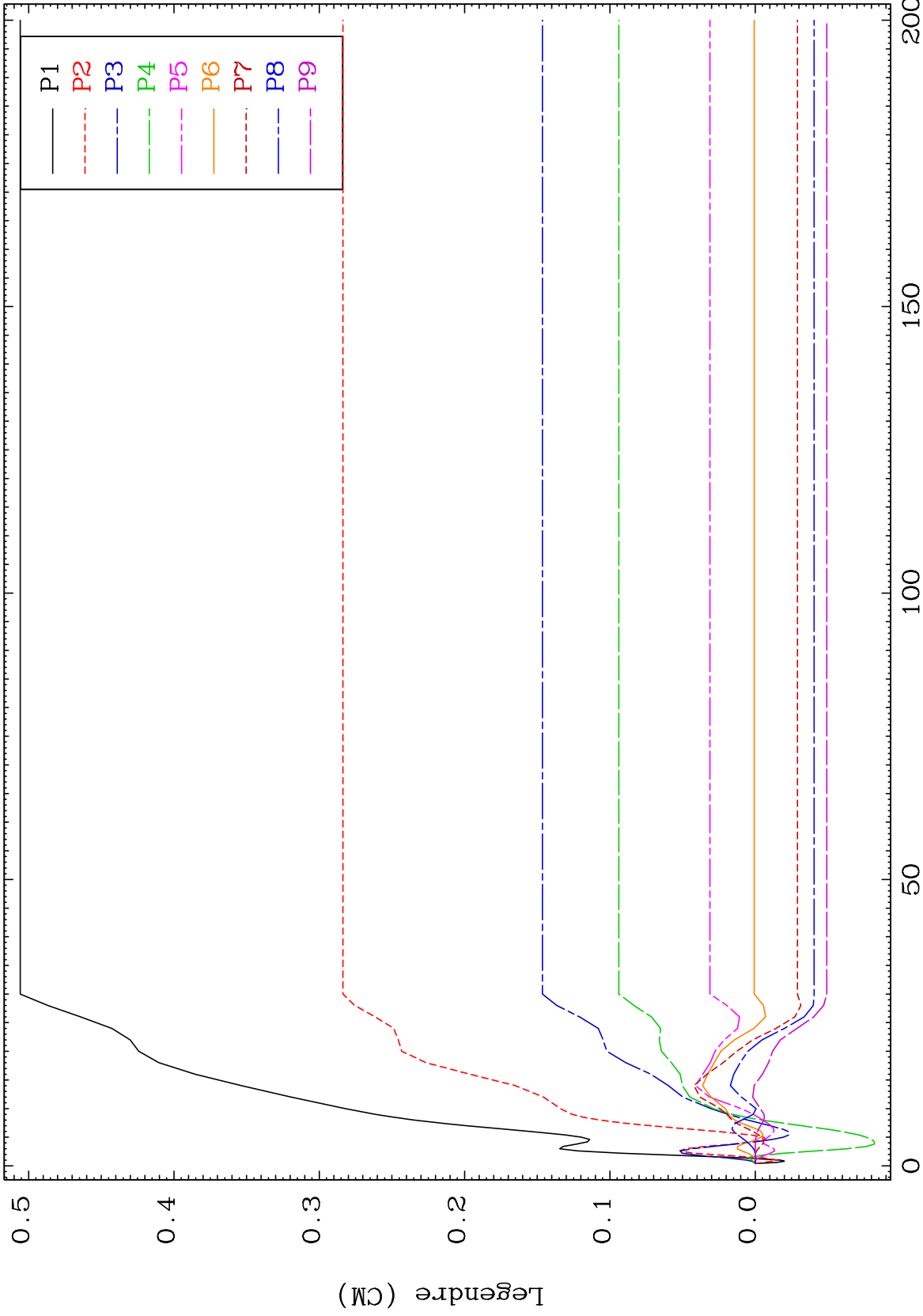
Incident Energy (MeV)

55

MAT 5410

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

54-Xe-119

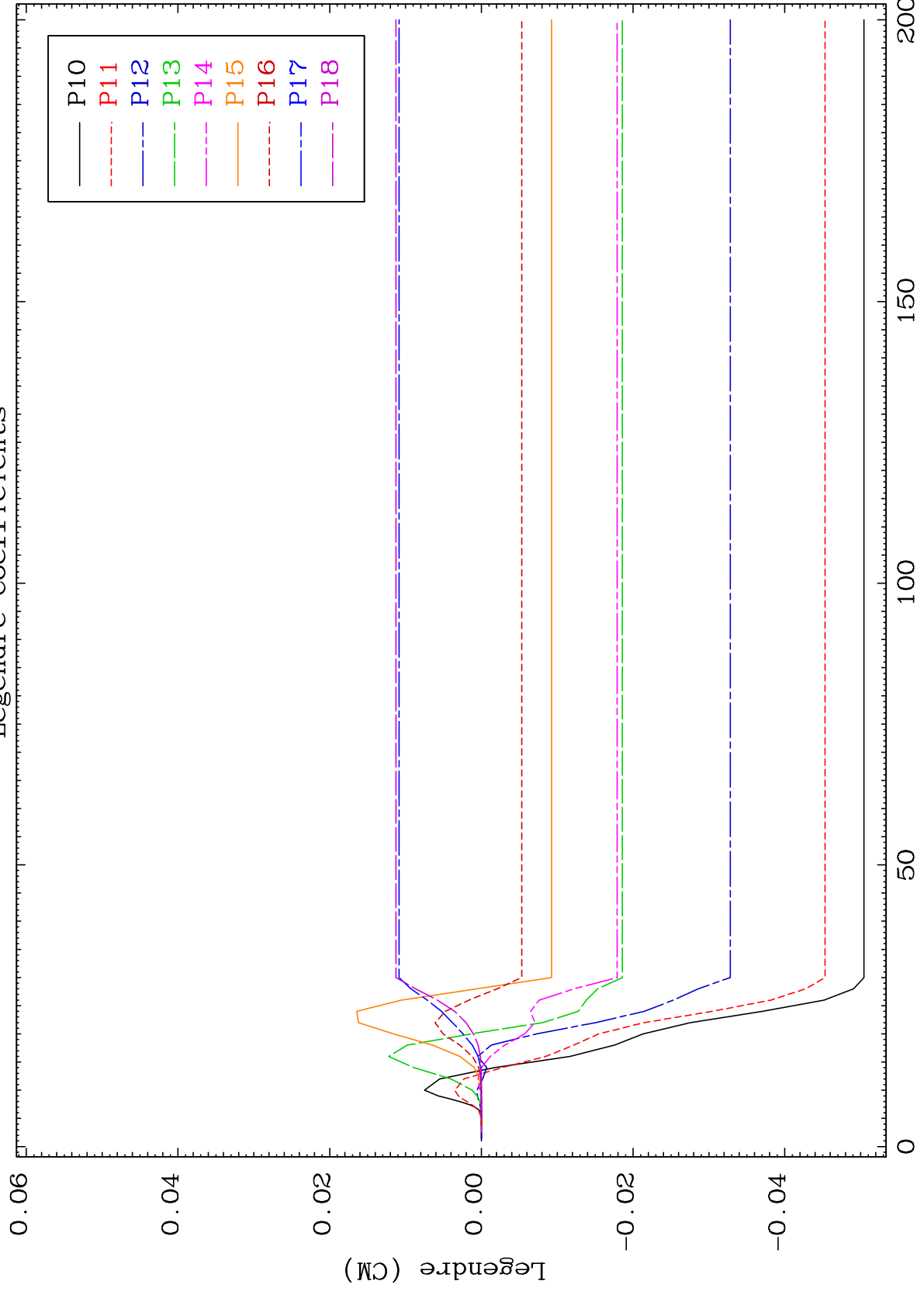


56

Incident Energy (MeV)

54-Xe-119

MAT 5410 MT= 60 (n,n') Level Legendre Coefficients 54-Xe-119

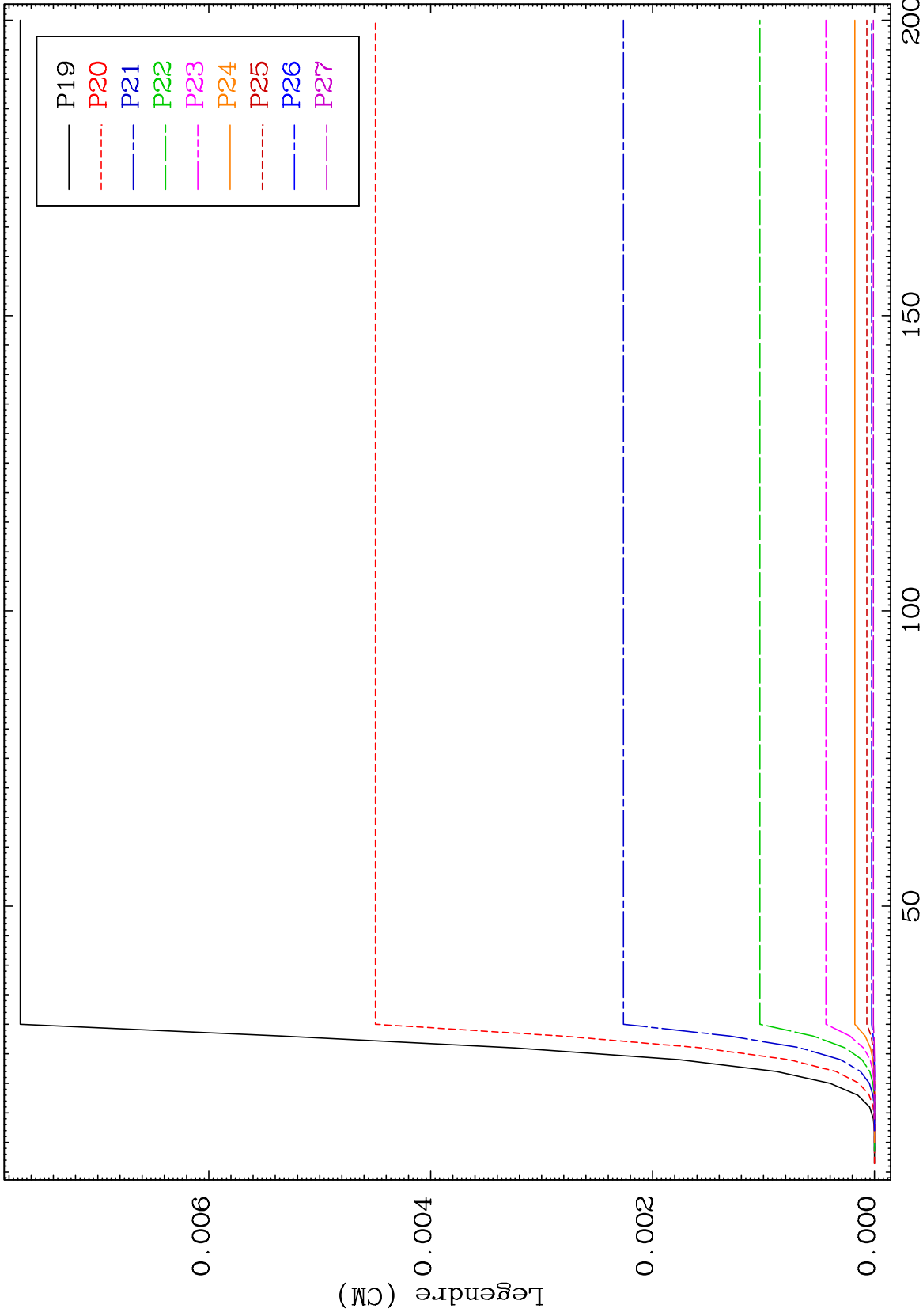


57 54-Xe-119

MAT 5410

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

54-Xe-119



58

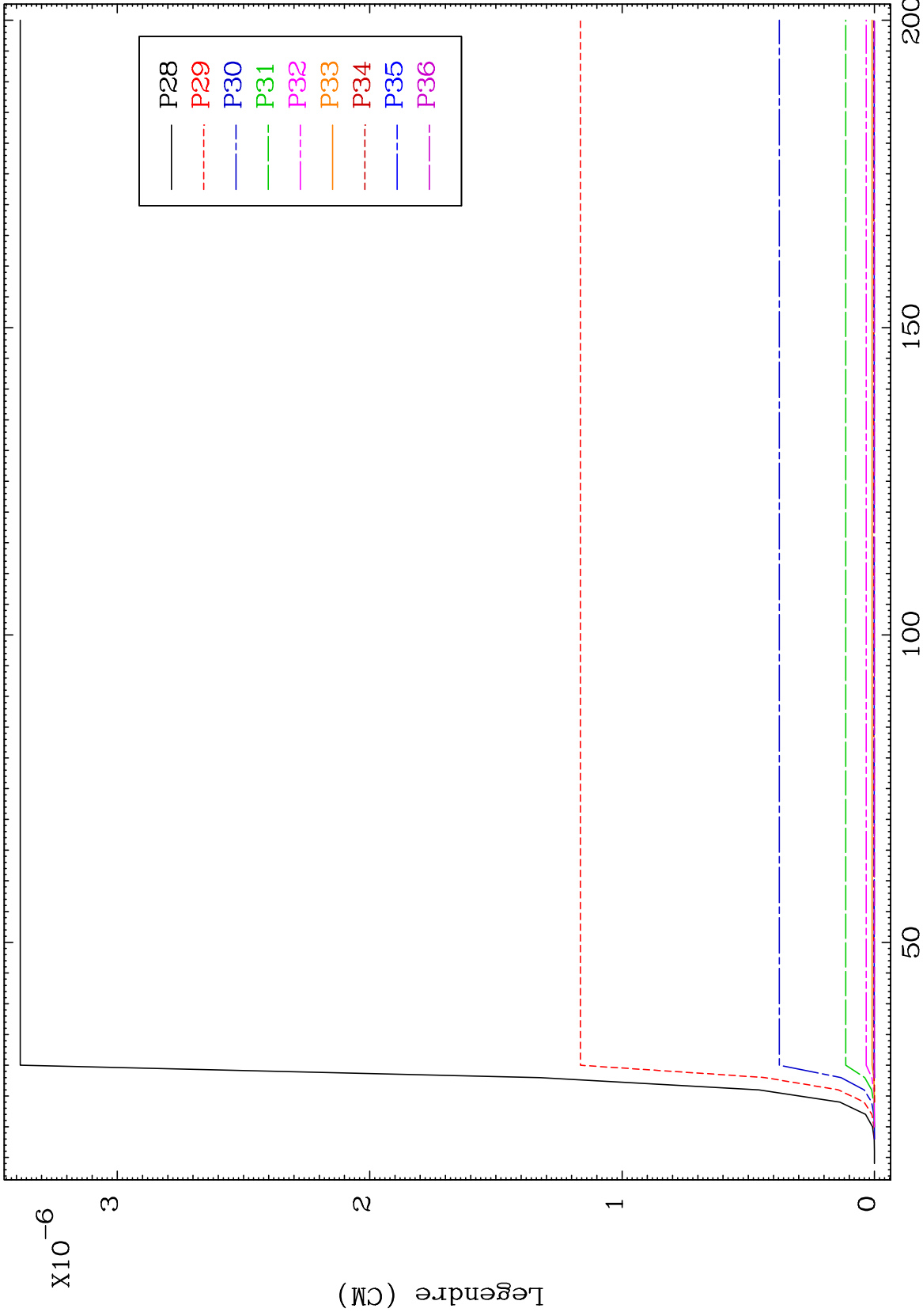
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119



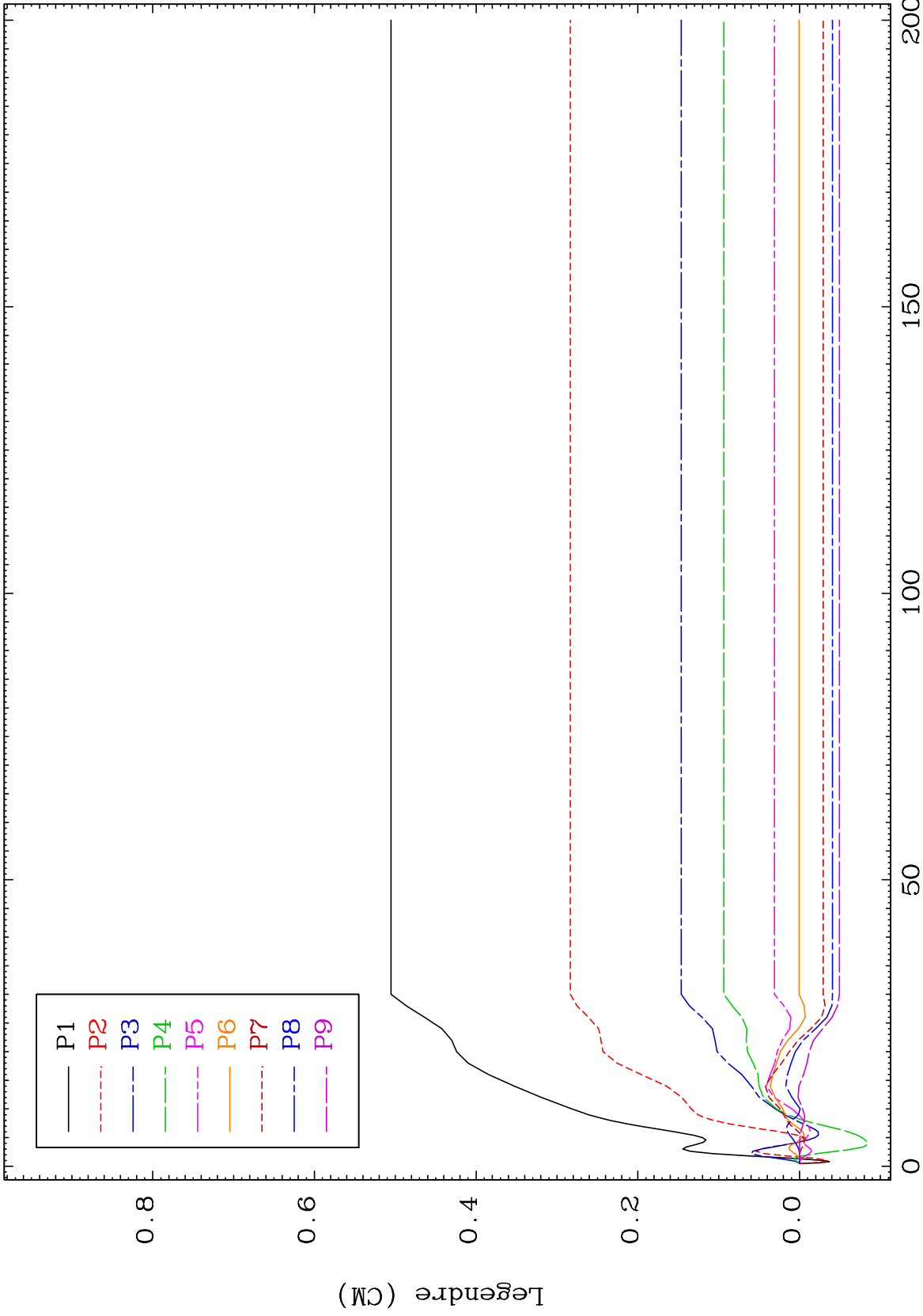
59

54-Xe-119

MAT 5410

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

54-Xe-119

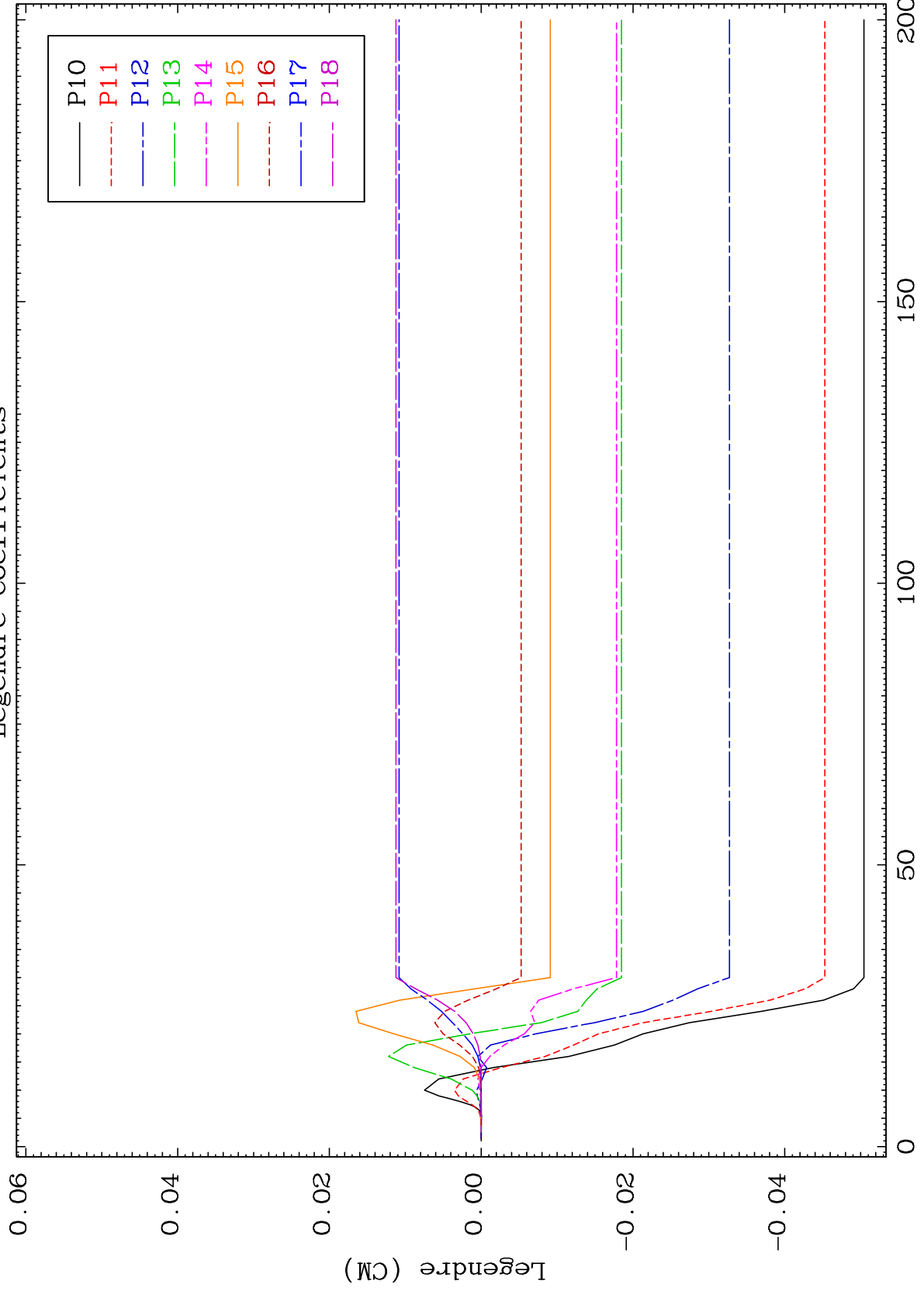


60

Incident Energy (MeV)

54-Xe-119

MAT 5410 MT= 61 (n,n') Level Legendre Coefficients 54-Xe-119

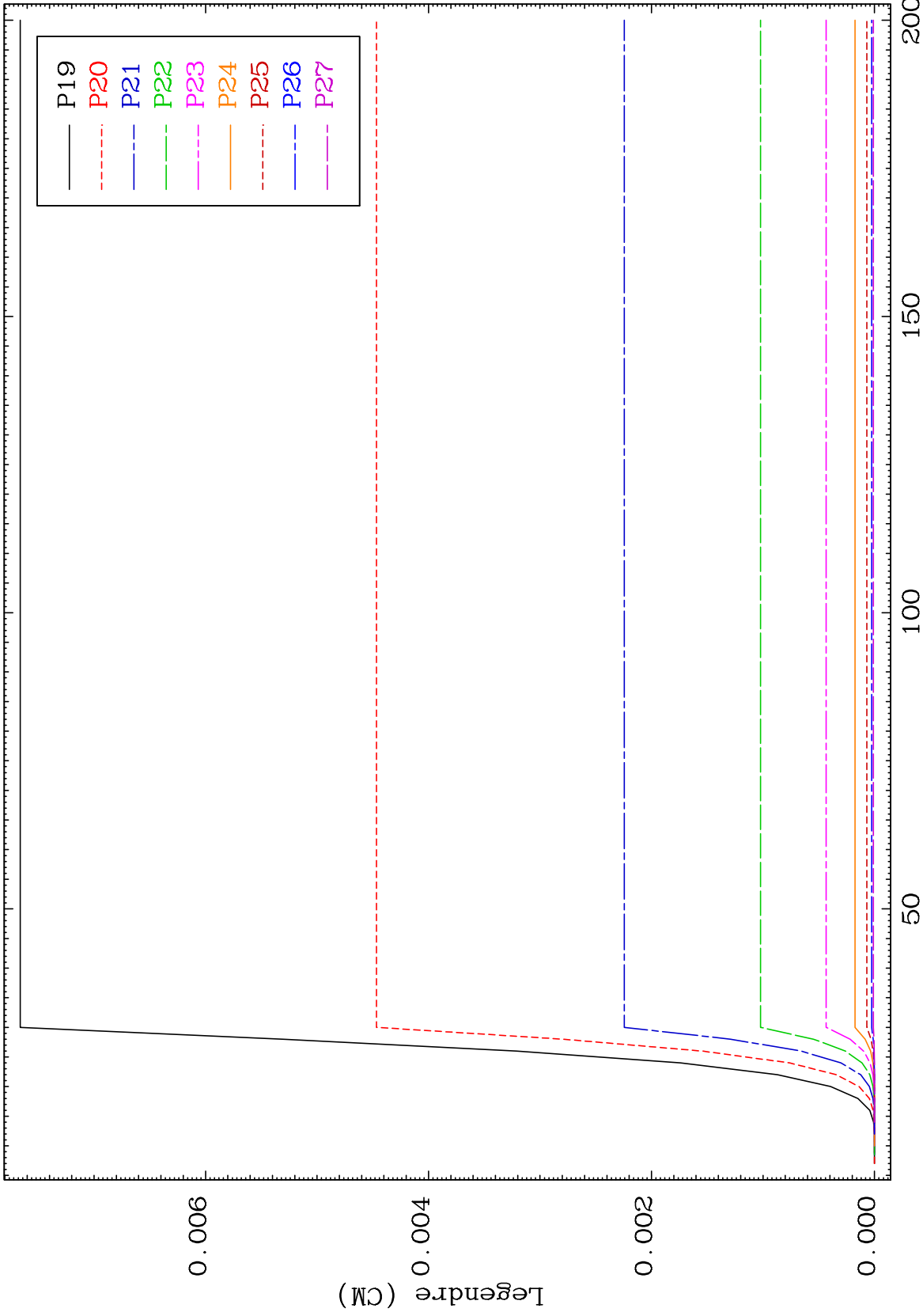


61 54-Xe-119

MAT 5410

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

54-Xe-119



62

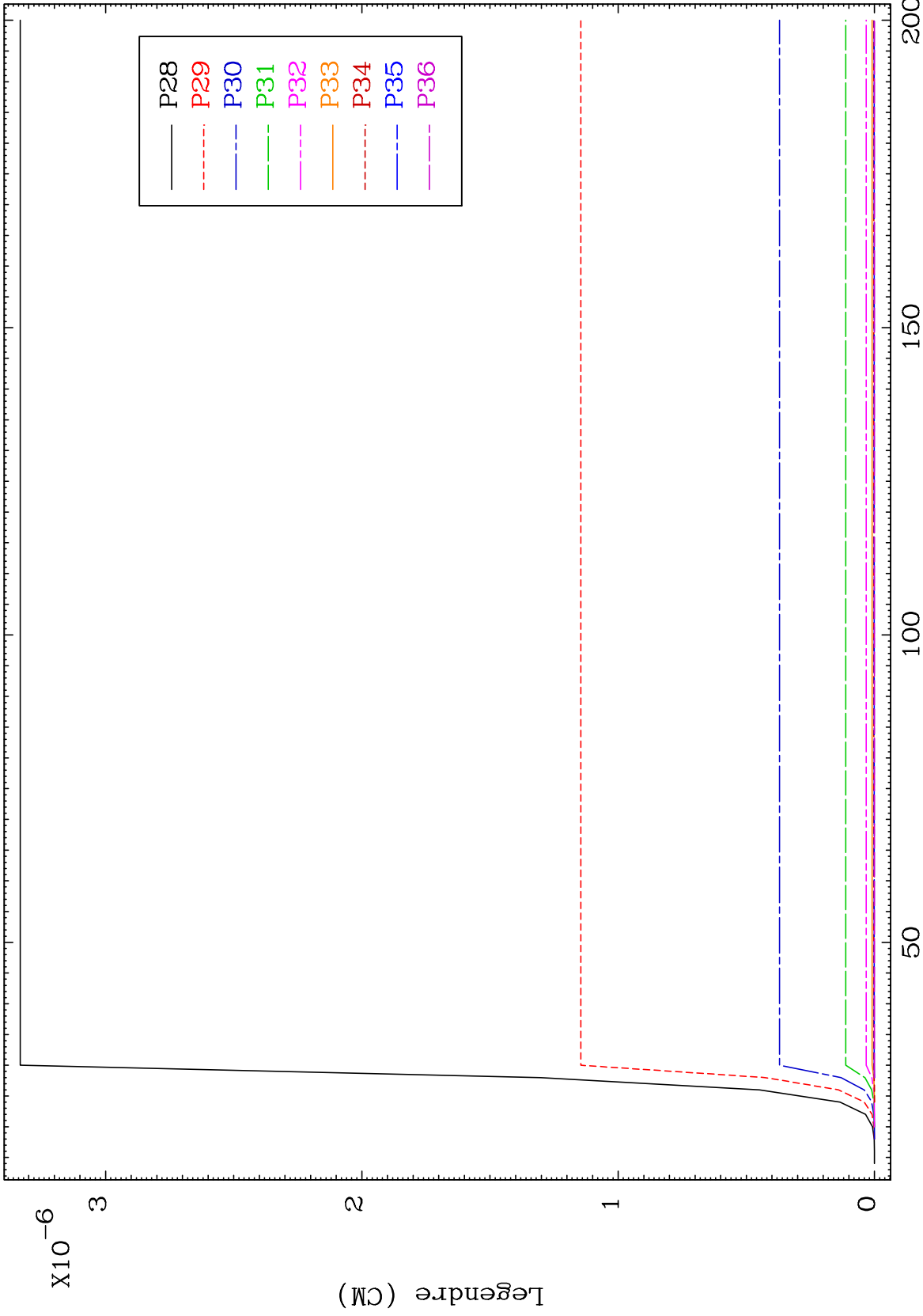
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119



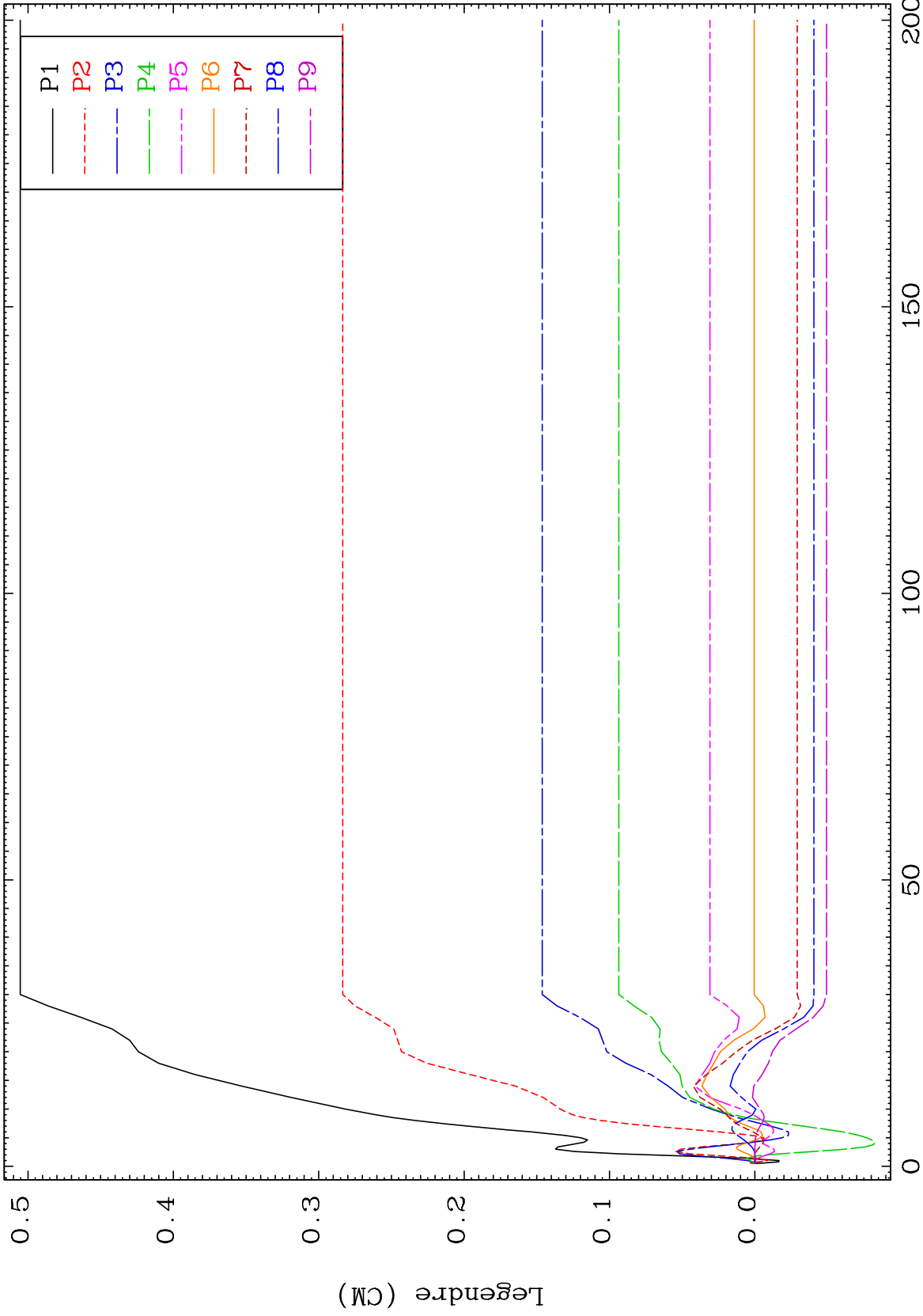
63

54-Xe-119

MAT 5410

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

54-Xe-119

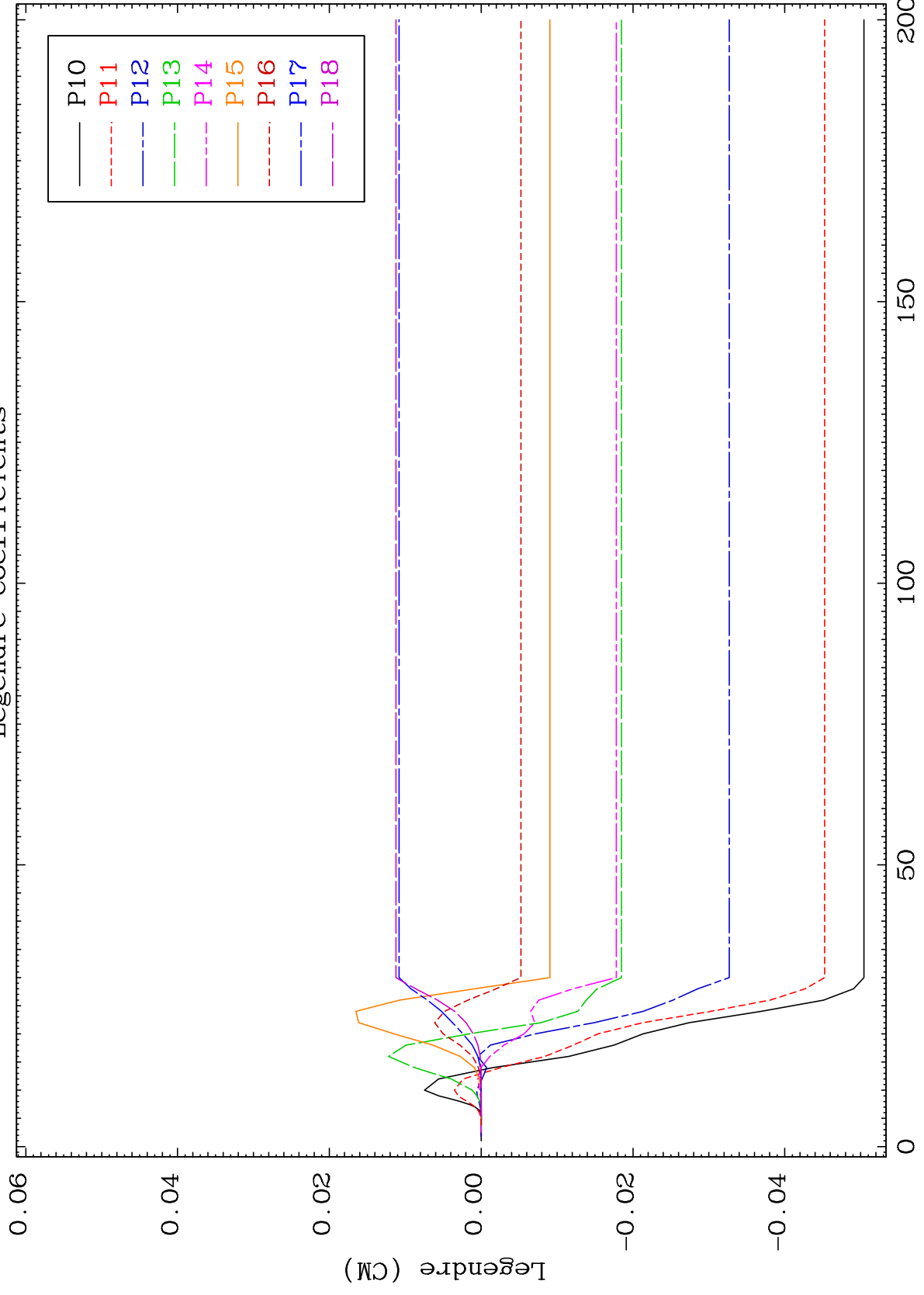


64

Incident Energy (MeV)

54-Xe-119

MAT 5410 MT= 62 (n,n') Level Legendre Coefficients 54-Xe-119

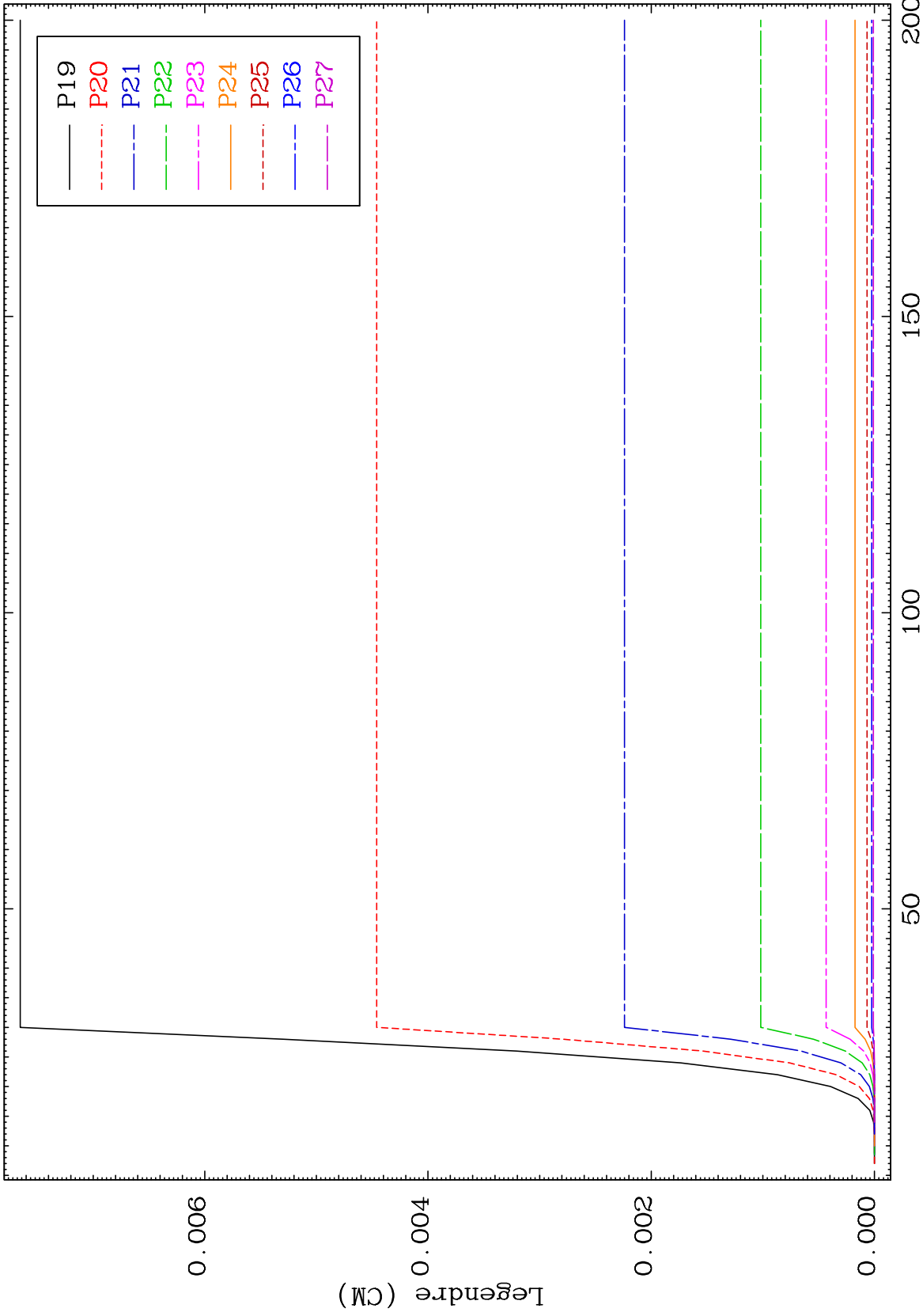


65 54-Xe-119

MAT 5410

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

54-Xe-119



66

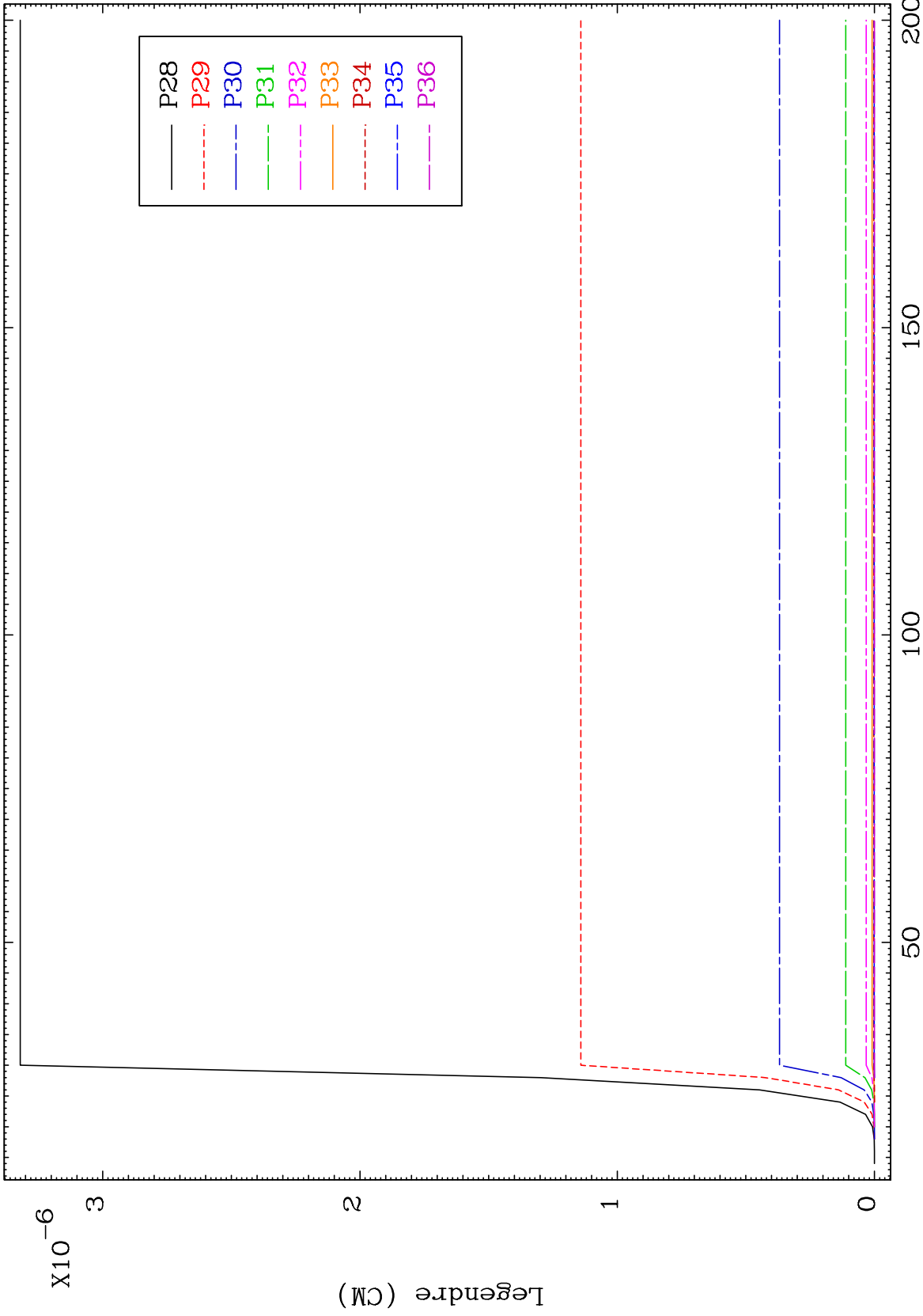
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119



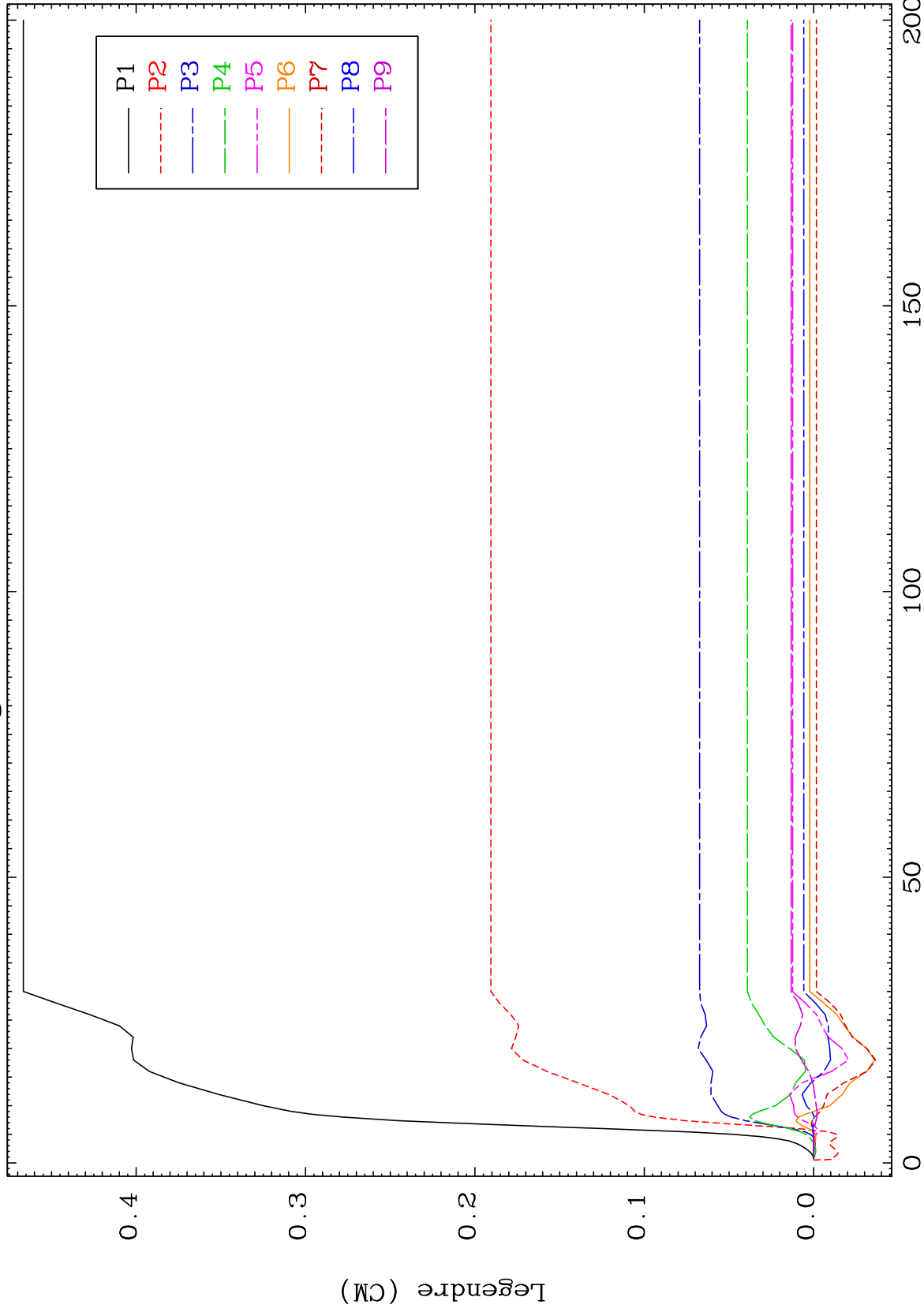
67

54-Xe-119

MAT 5410

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

54-Xe-119



68

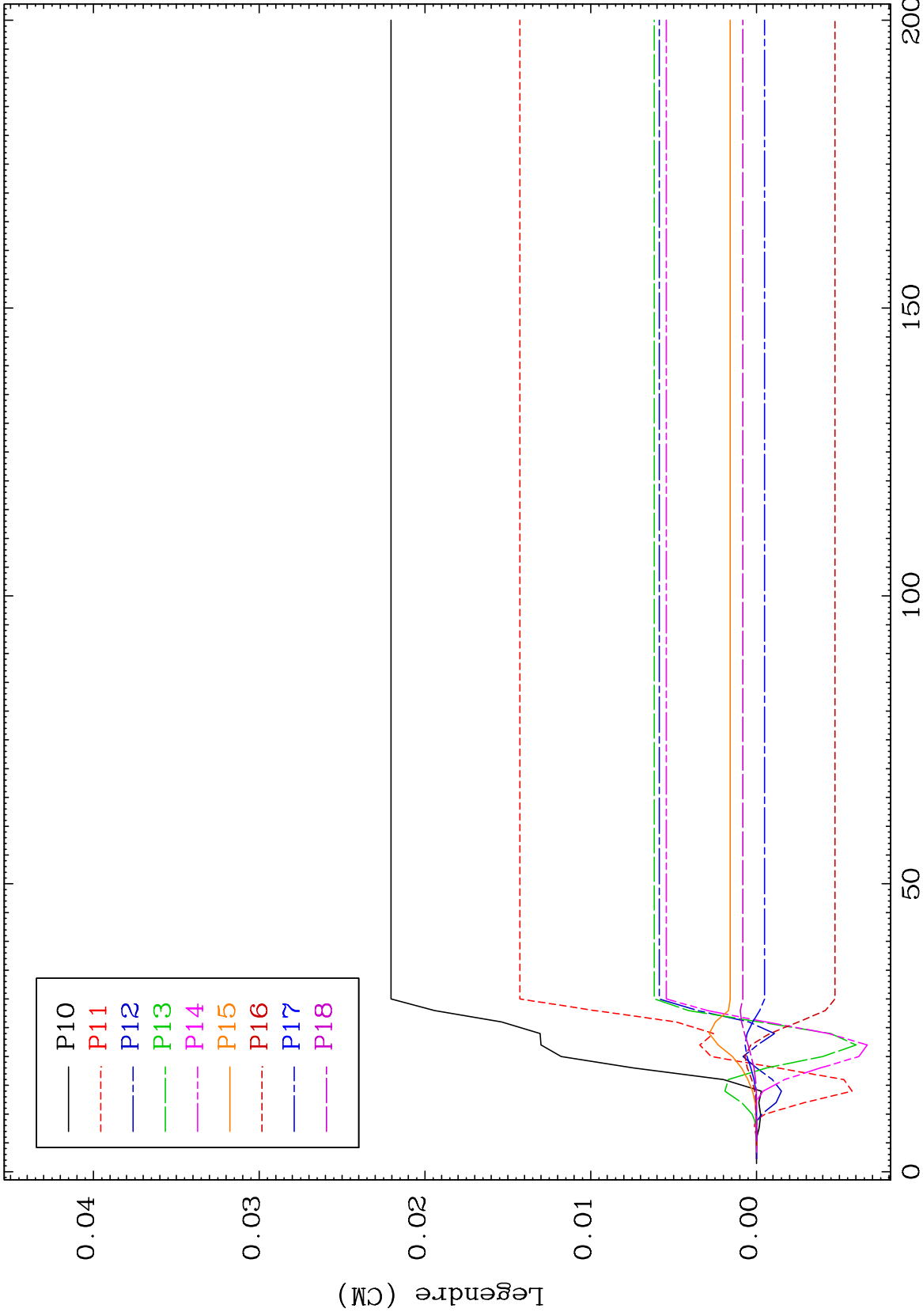
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119



69

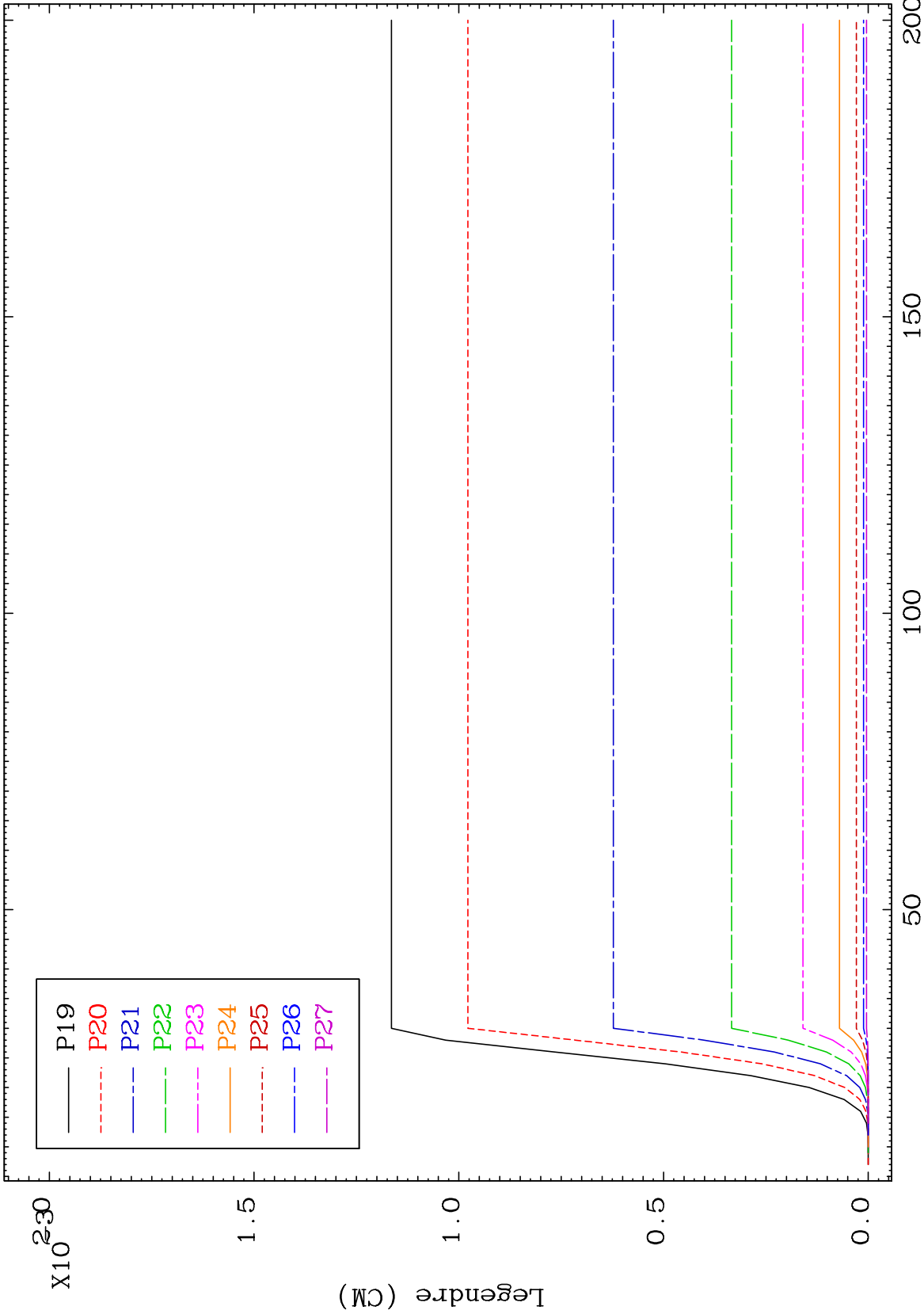
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119



70

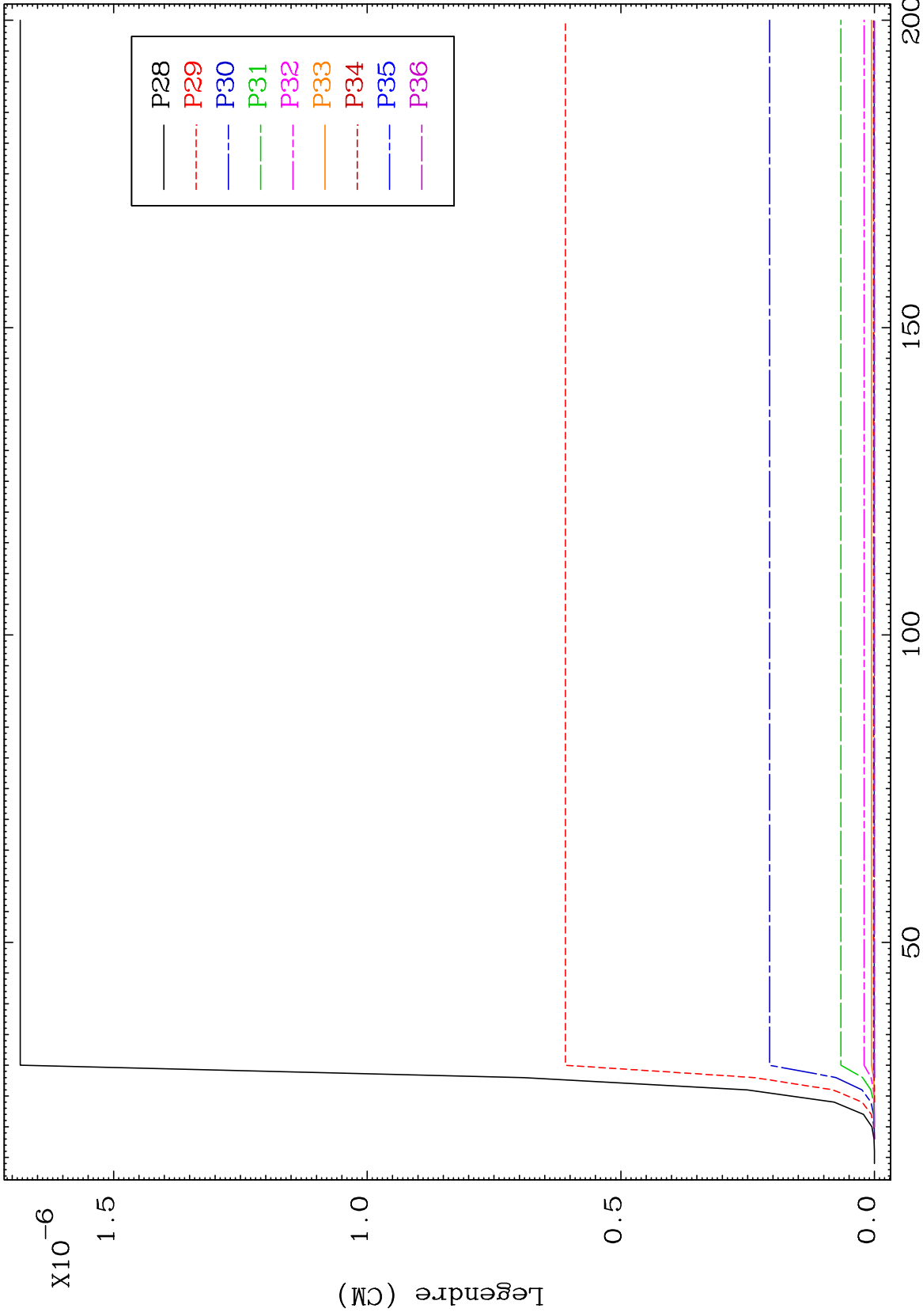
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119



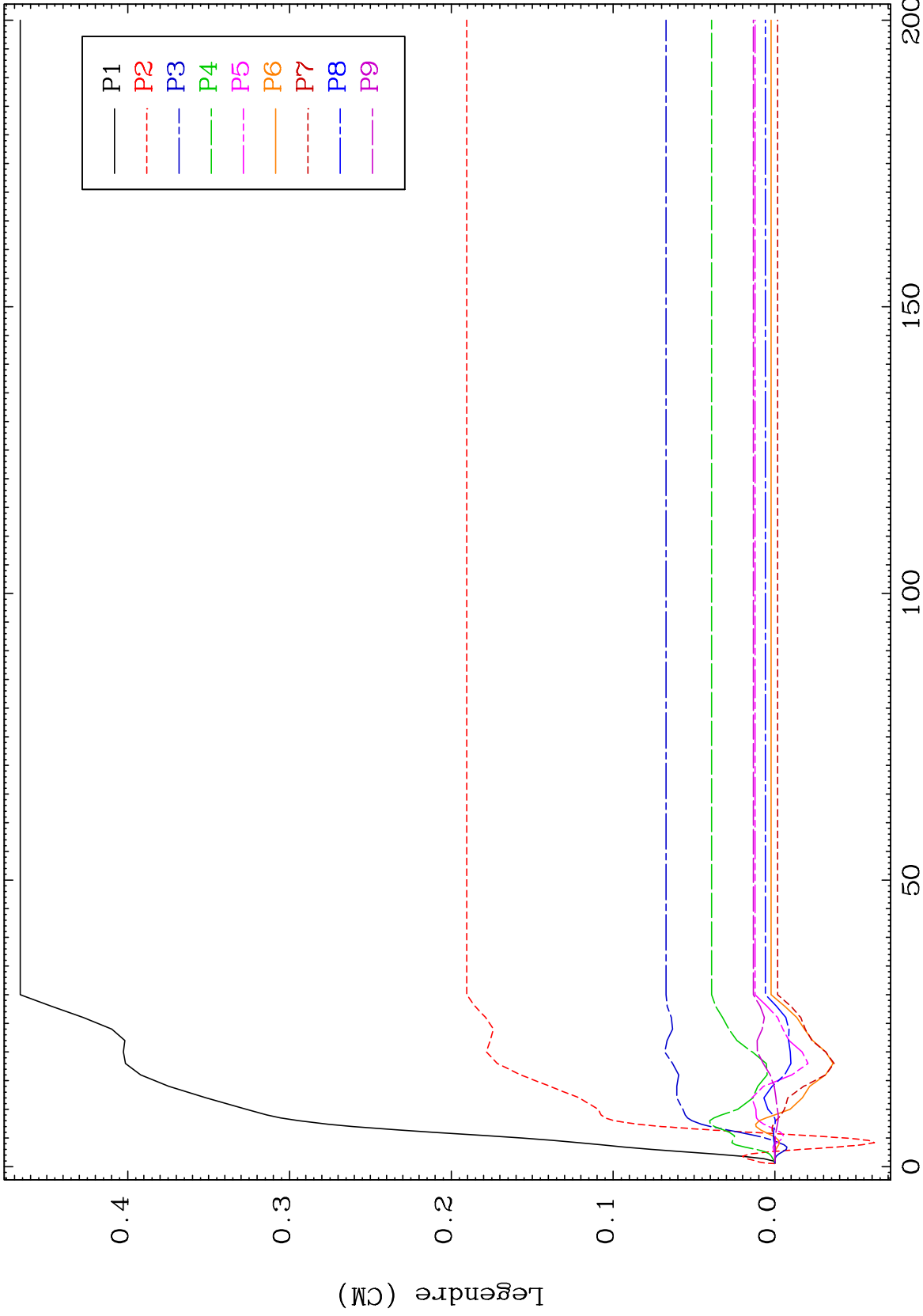
71

54-Xe-119

MAT 5410

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

54-Xe-119



72

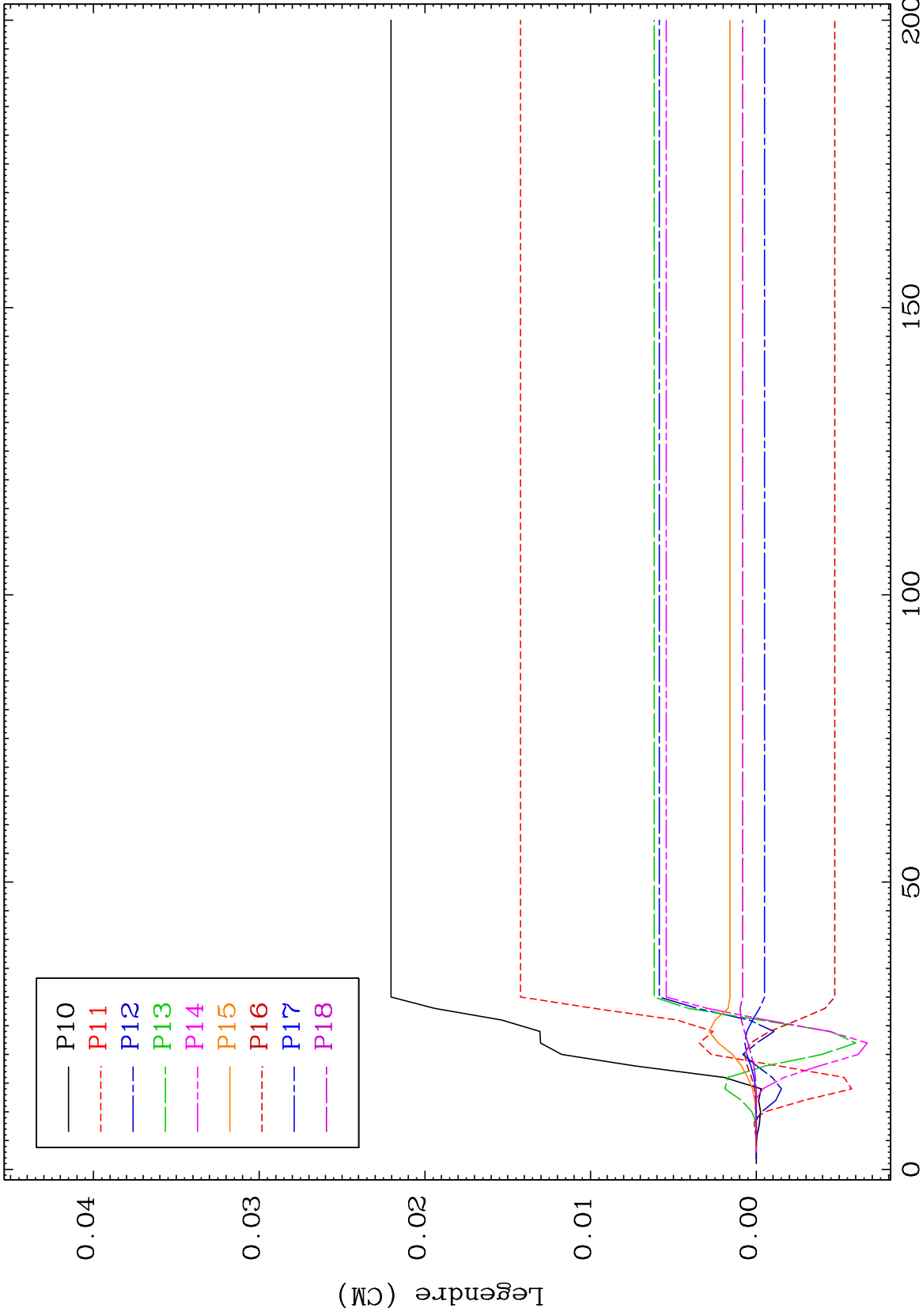
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119



73

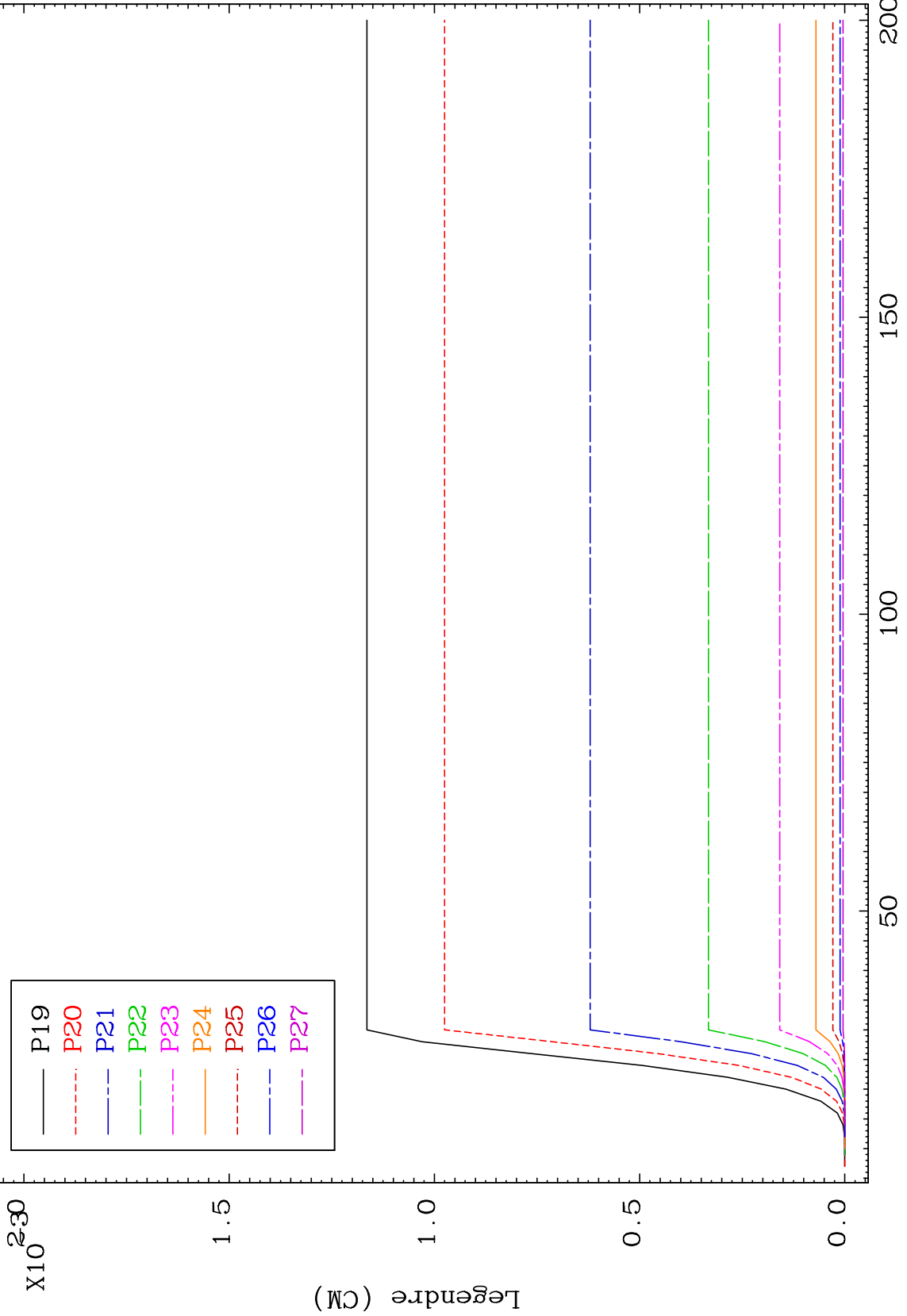
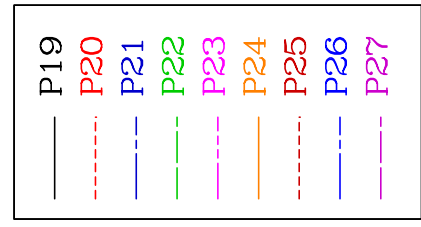
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119



74

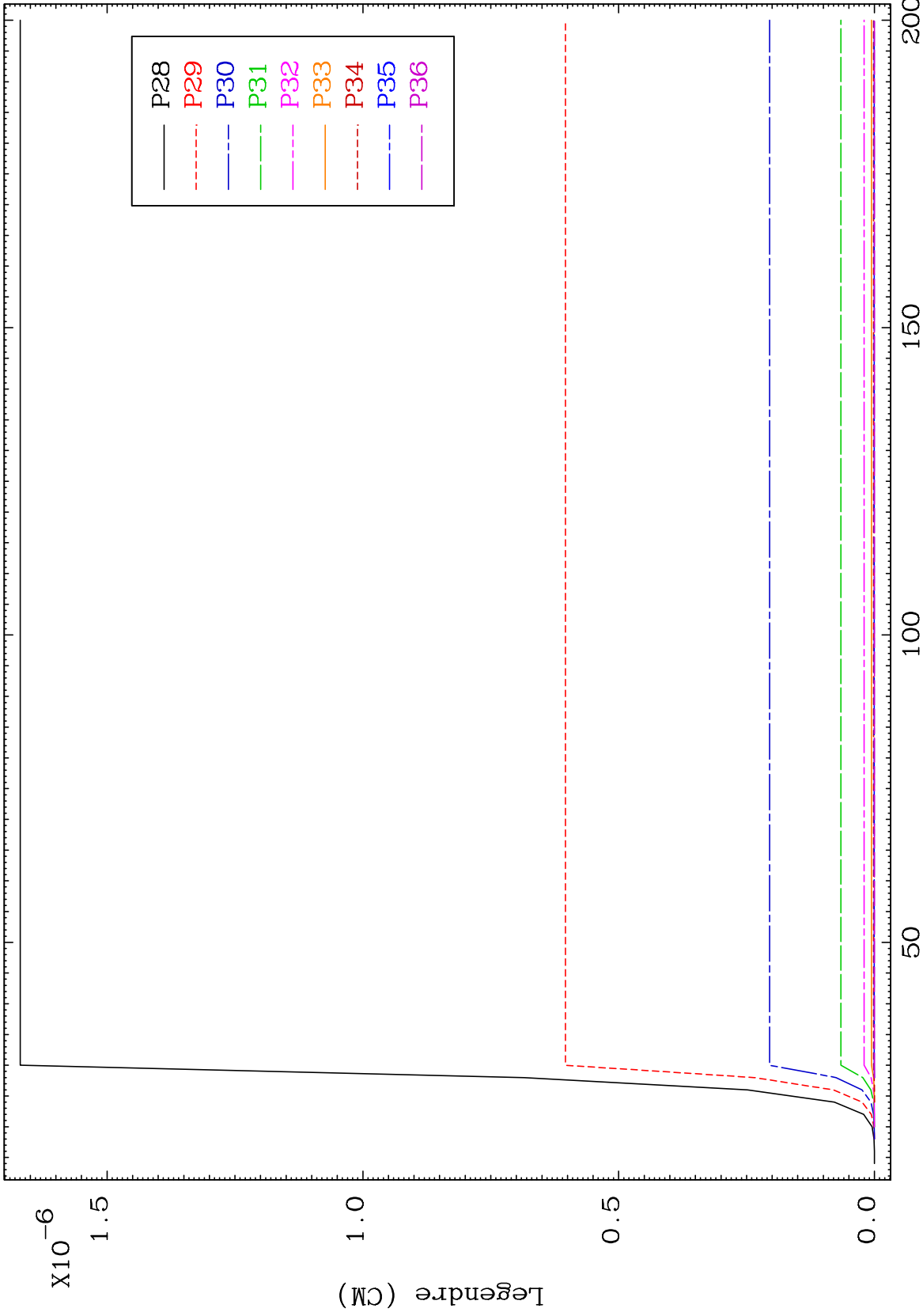
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119



75

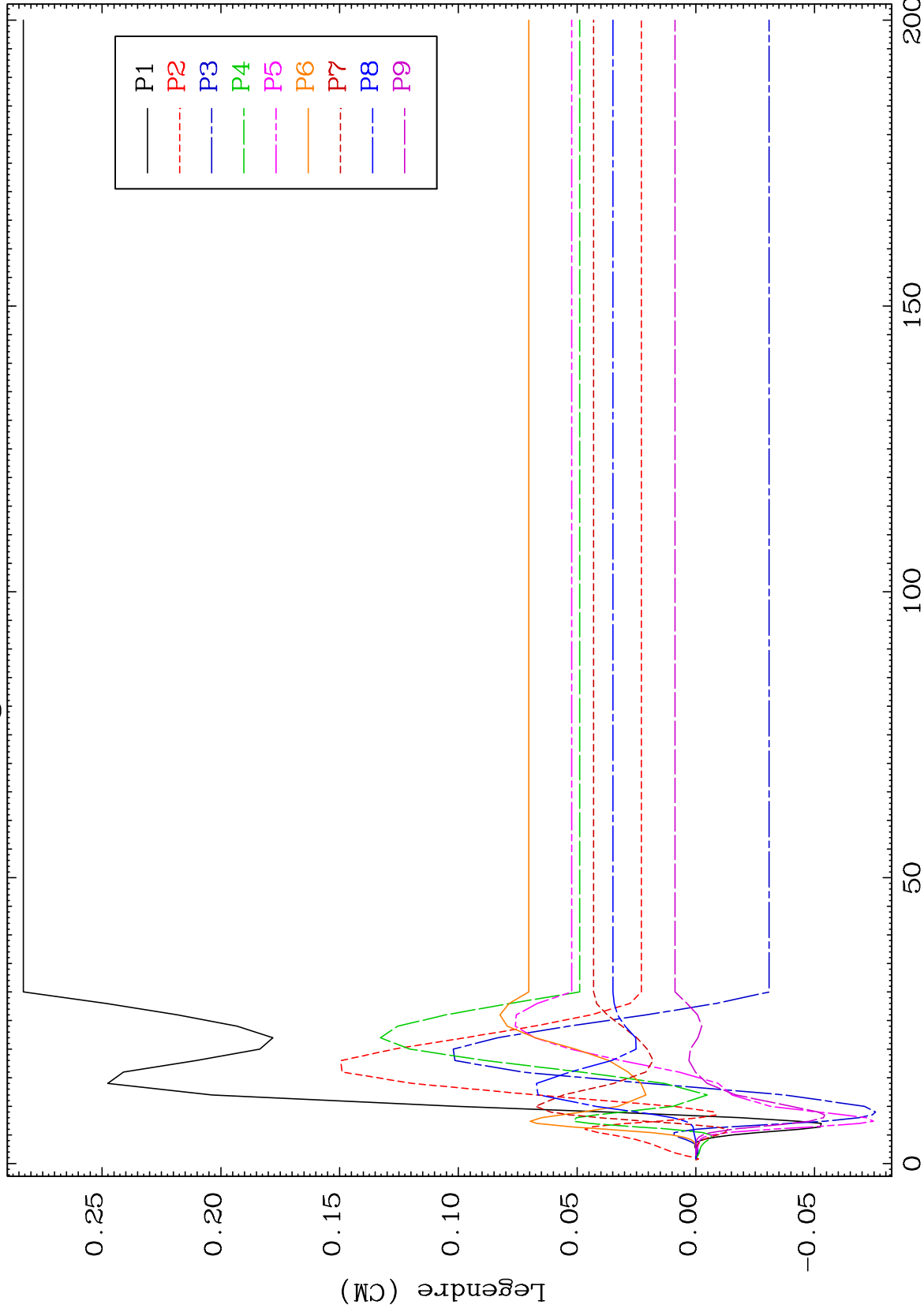
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119



76

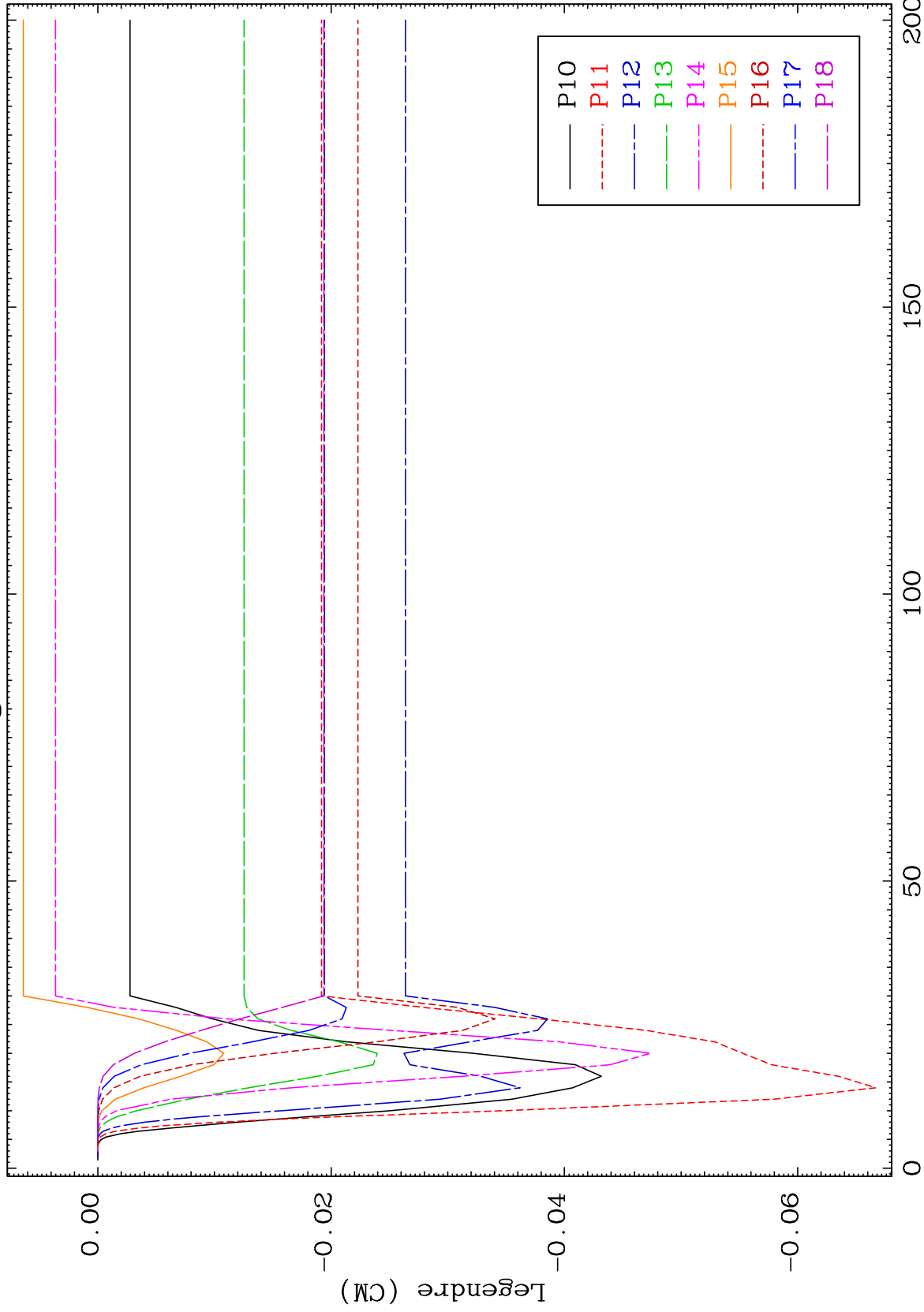
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119



77

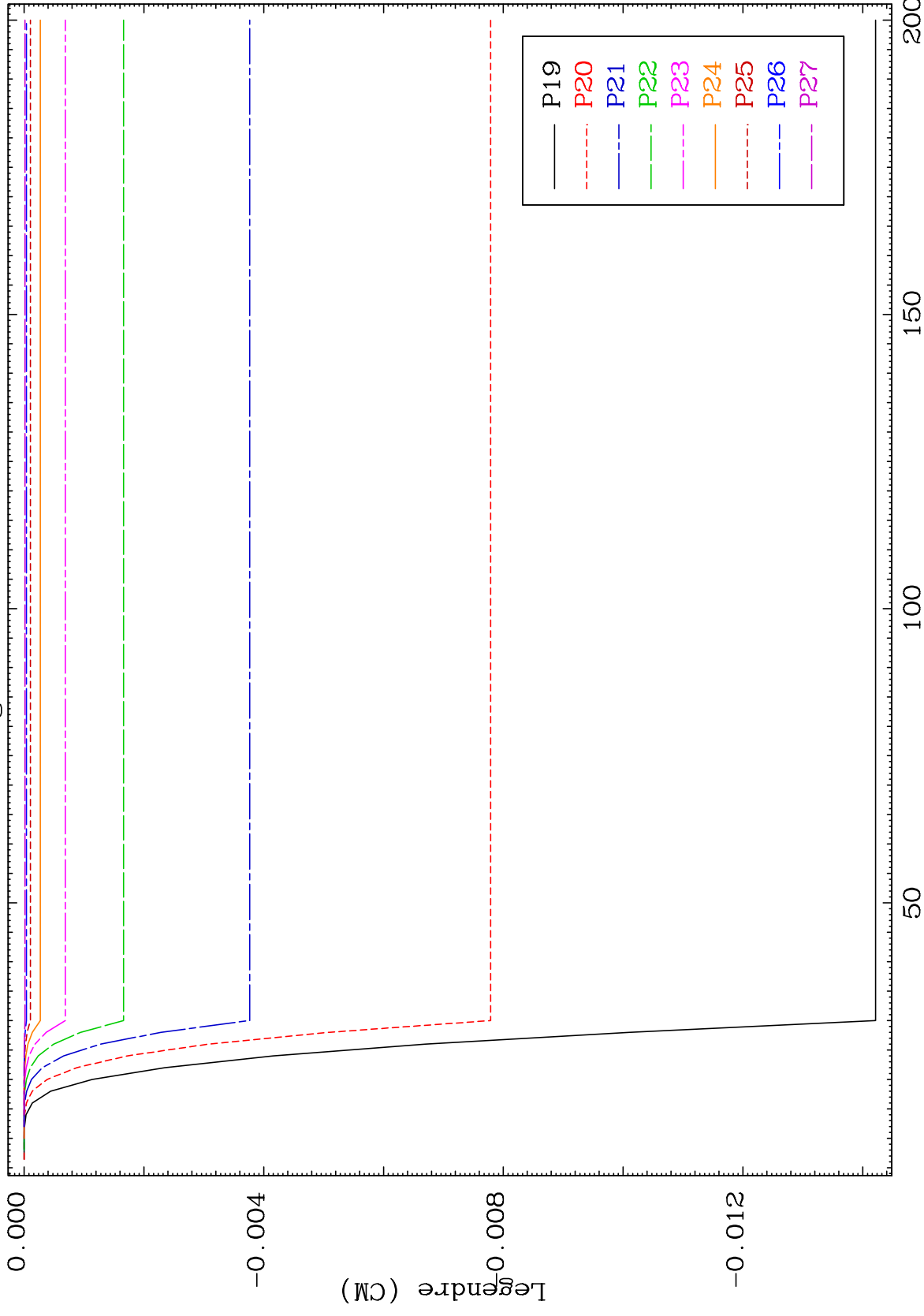
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119



54-Xe-119

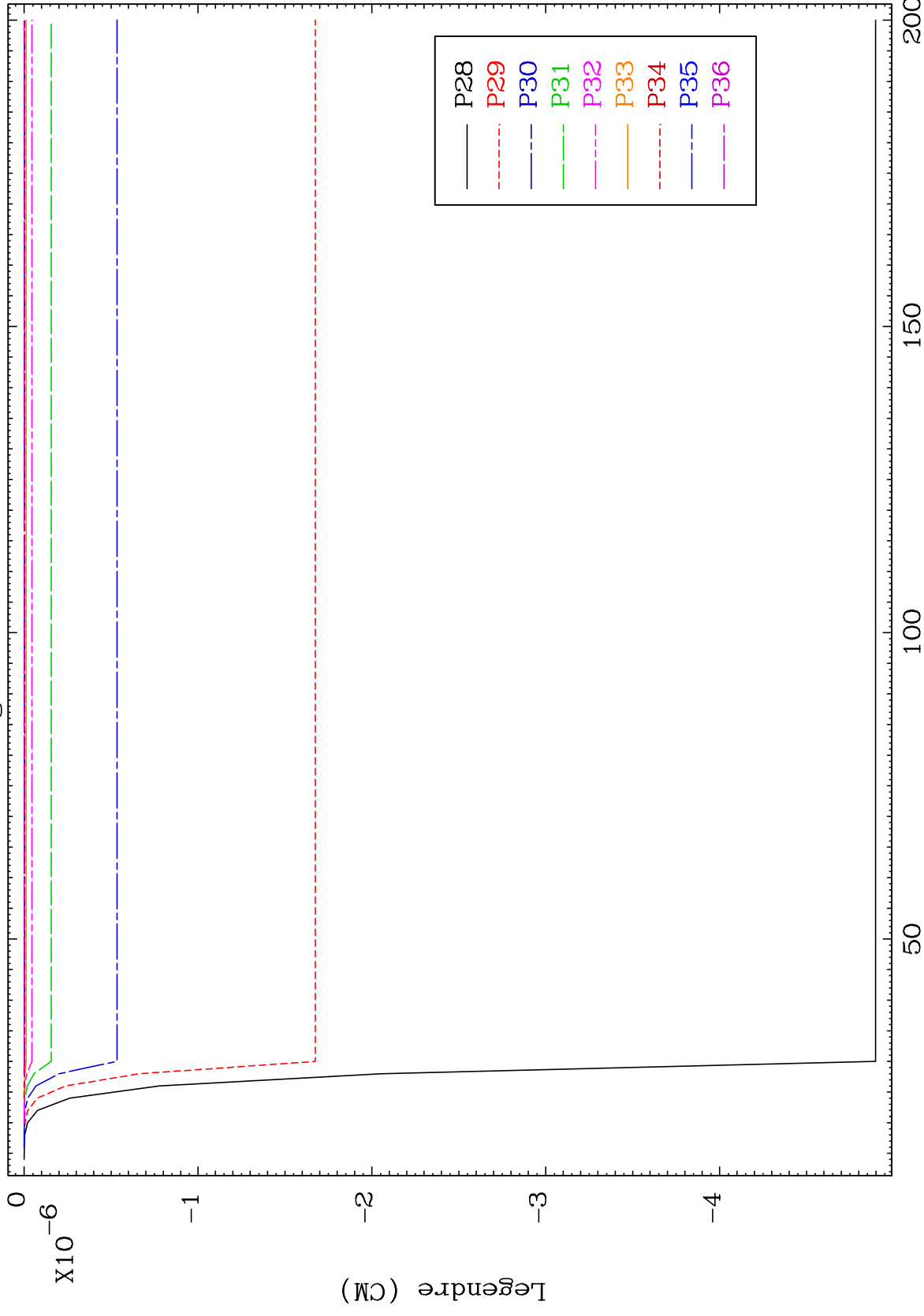
Incident Energy (MeV)

78

MAT 5410

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

54-Xe-119



54-Xe-119

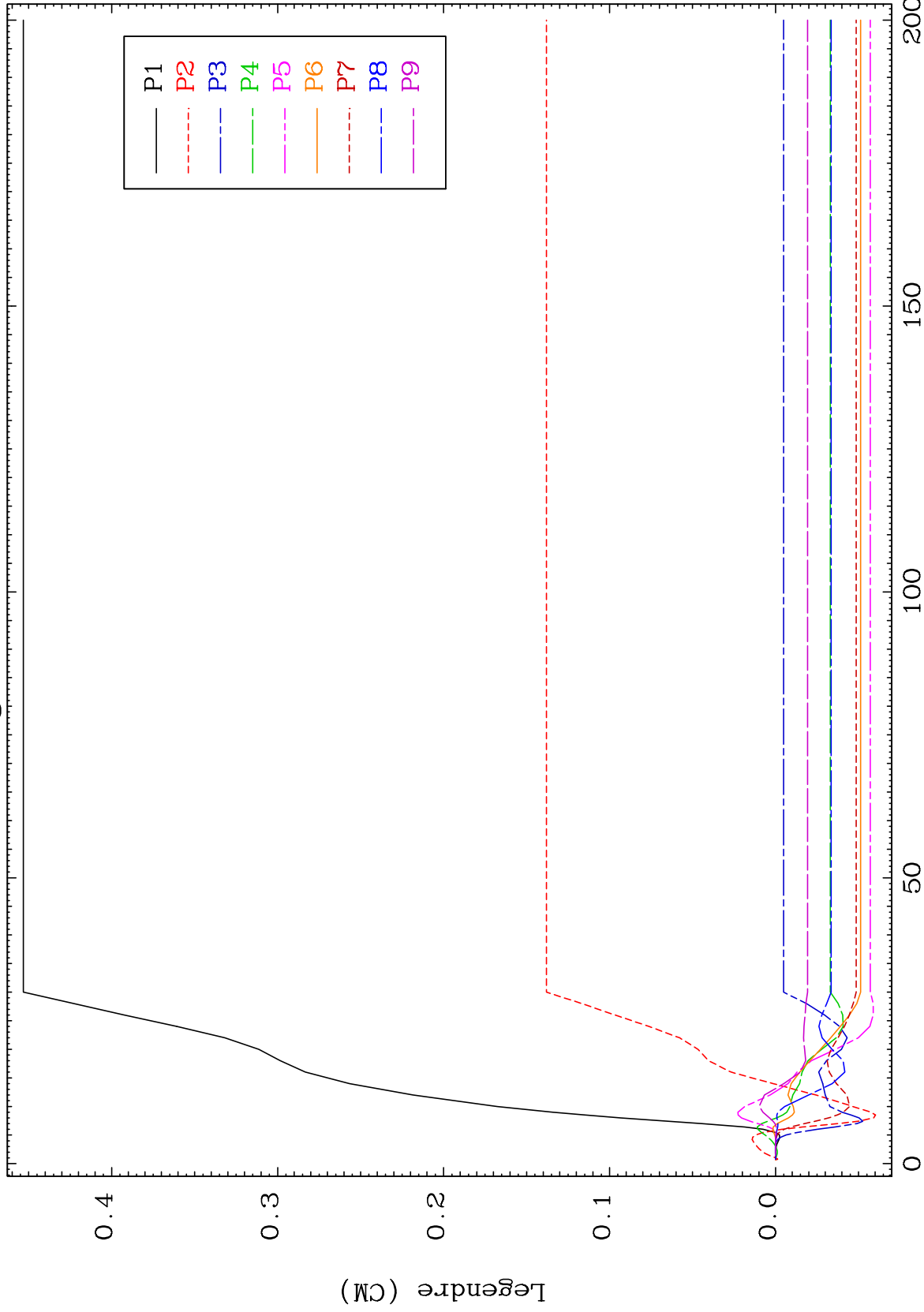
Incident Energy (MeV)

79

MAT 5410

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

54-Xe-119



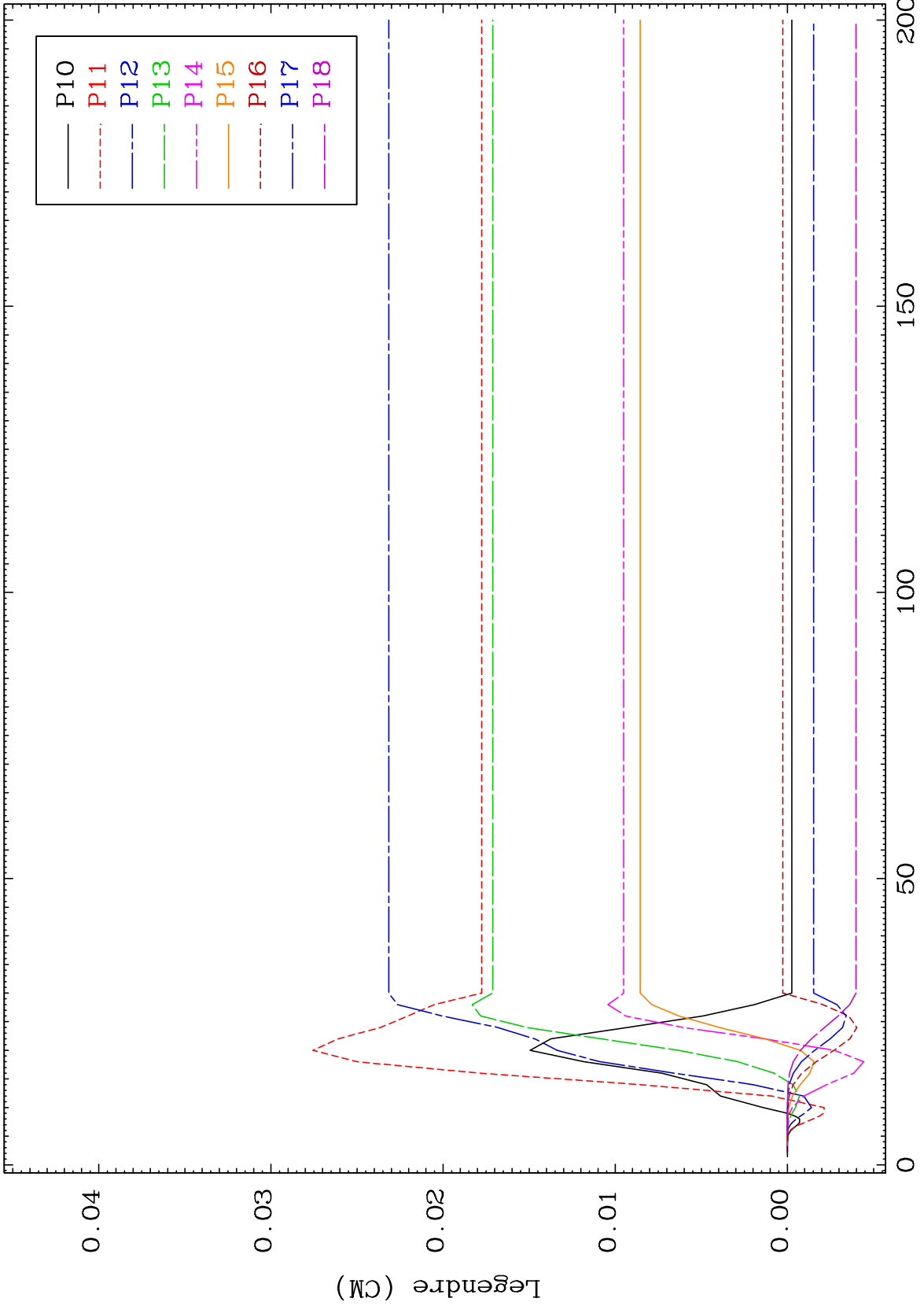
54-Xe-119

Incident Energy (MeV)

MAT 5410

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

54-Xe-119



81

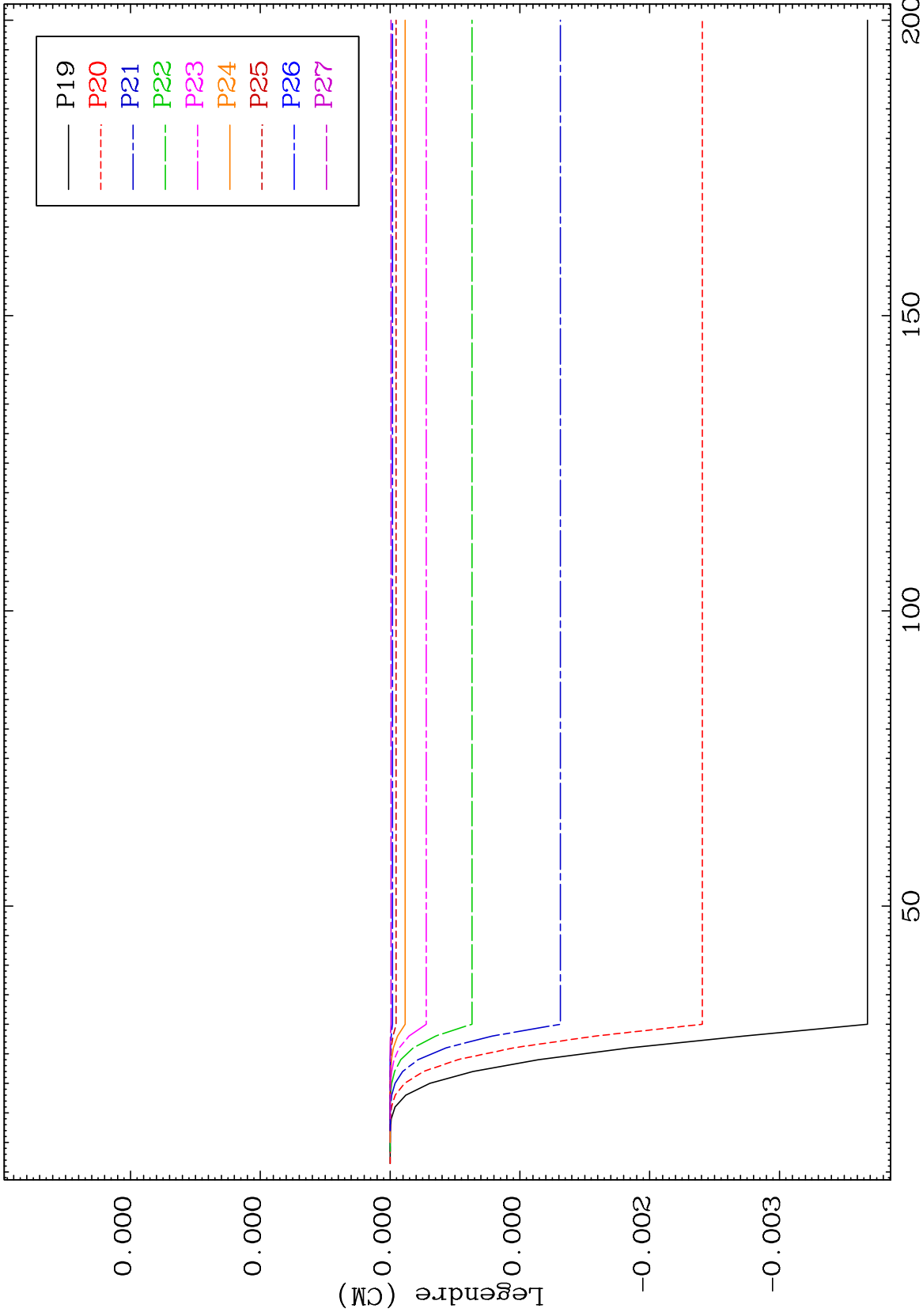
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119



82

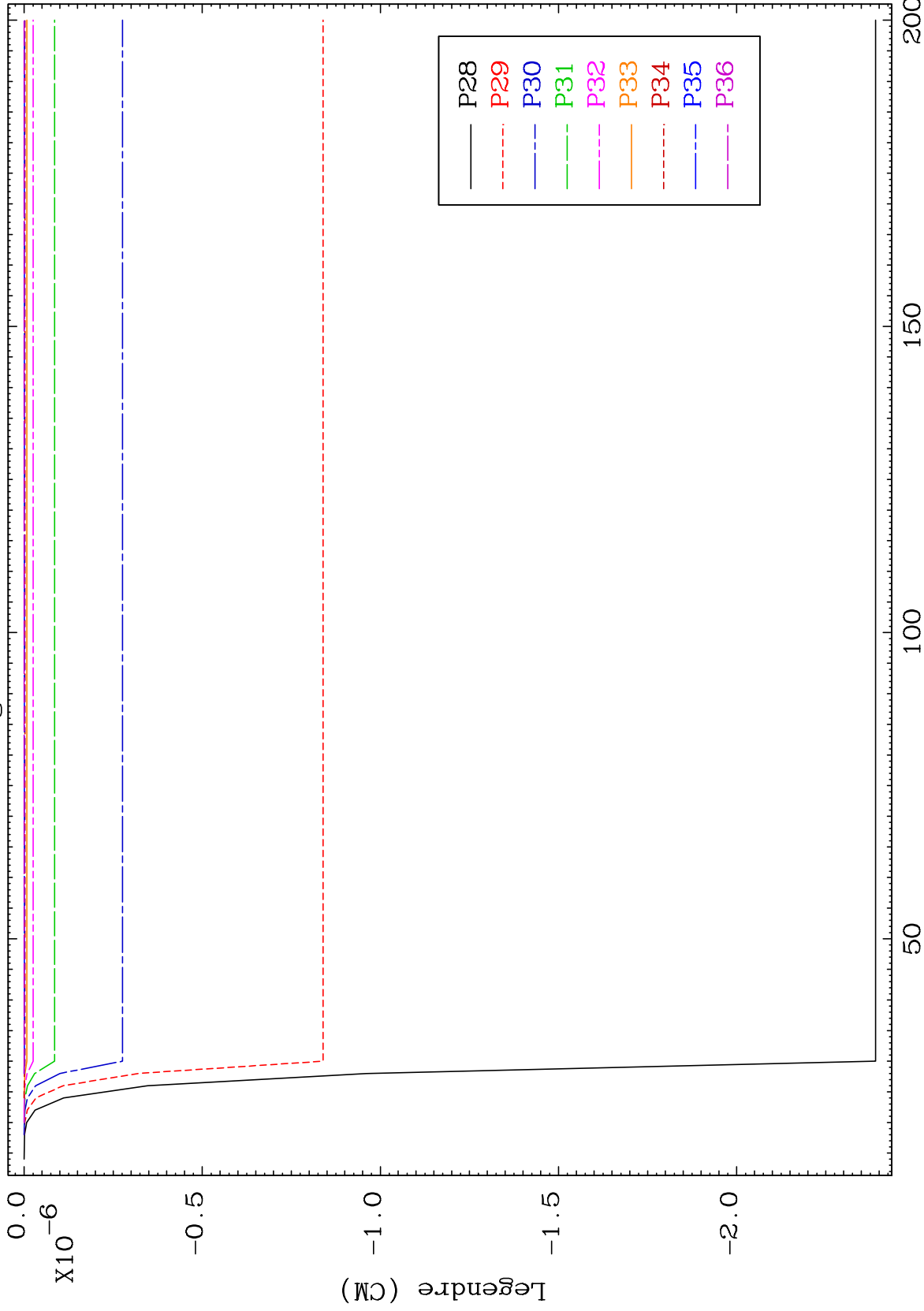
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119



83

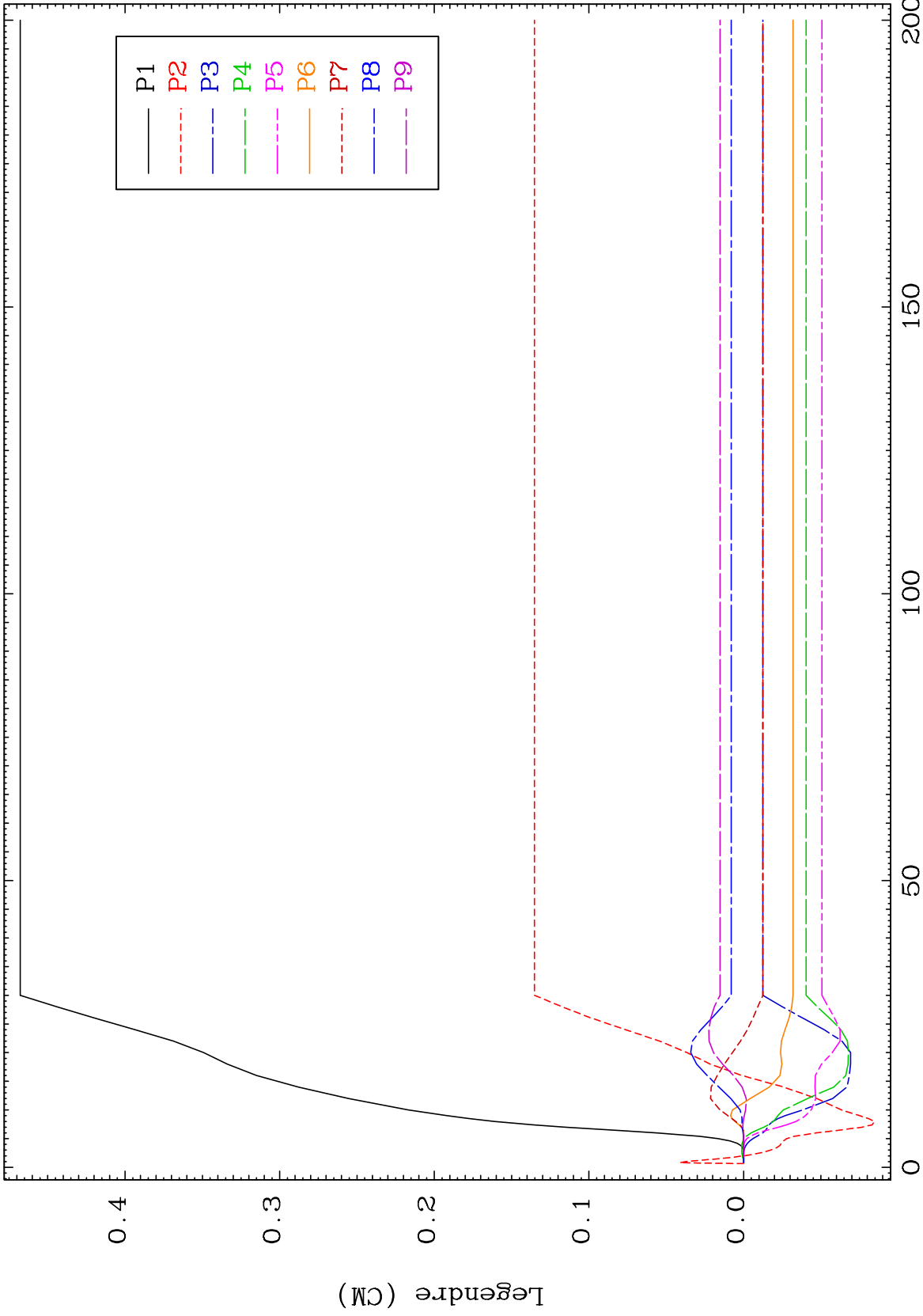
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119



84

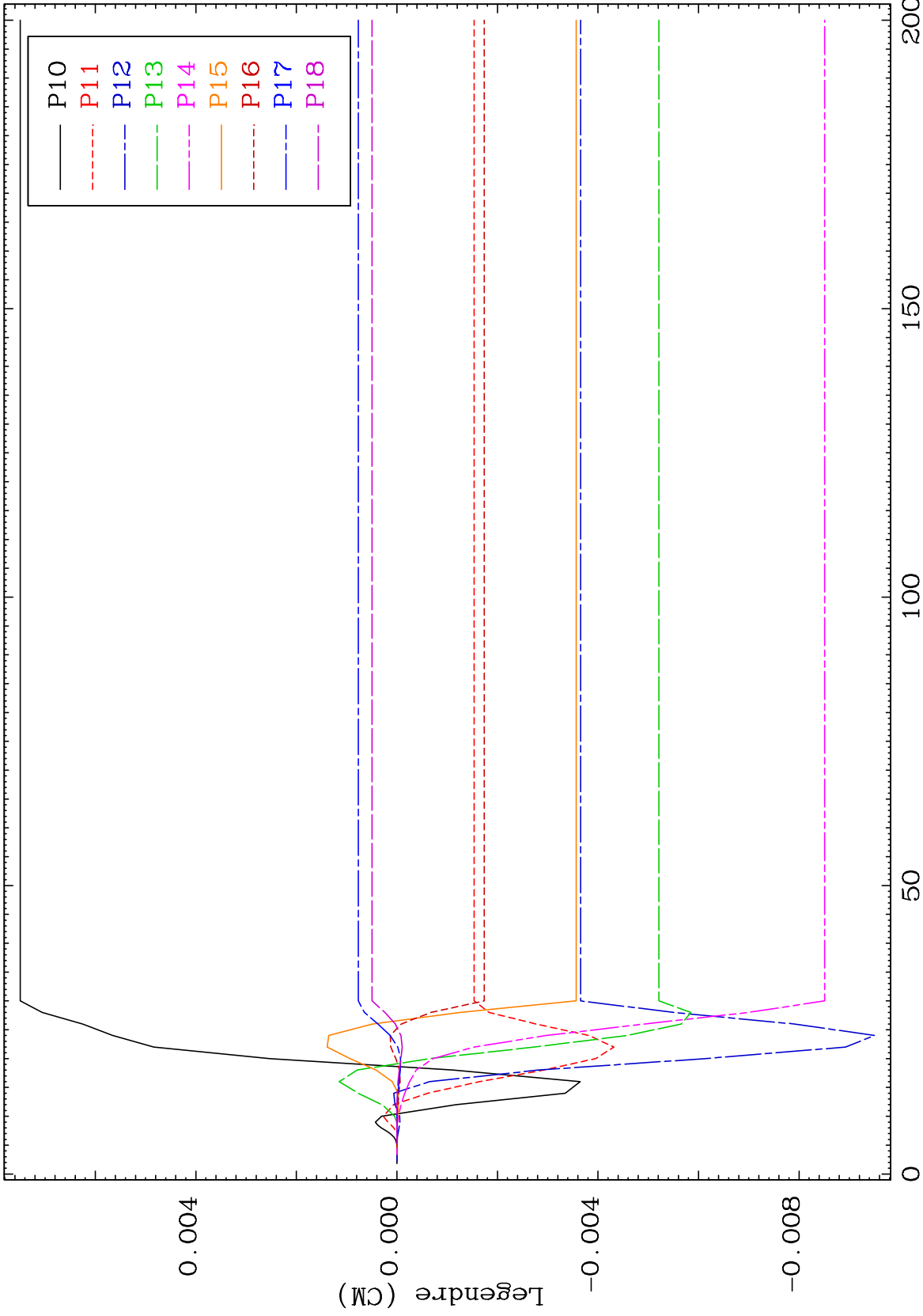
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119



85

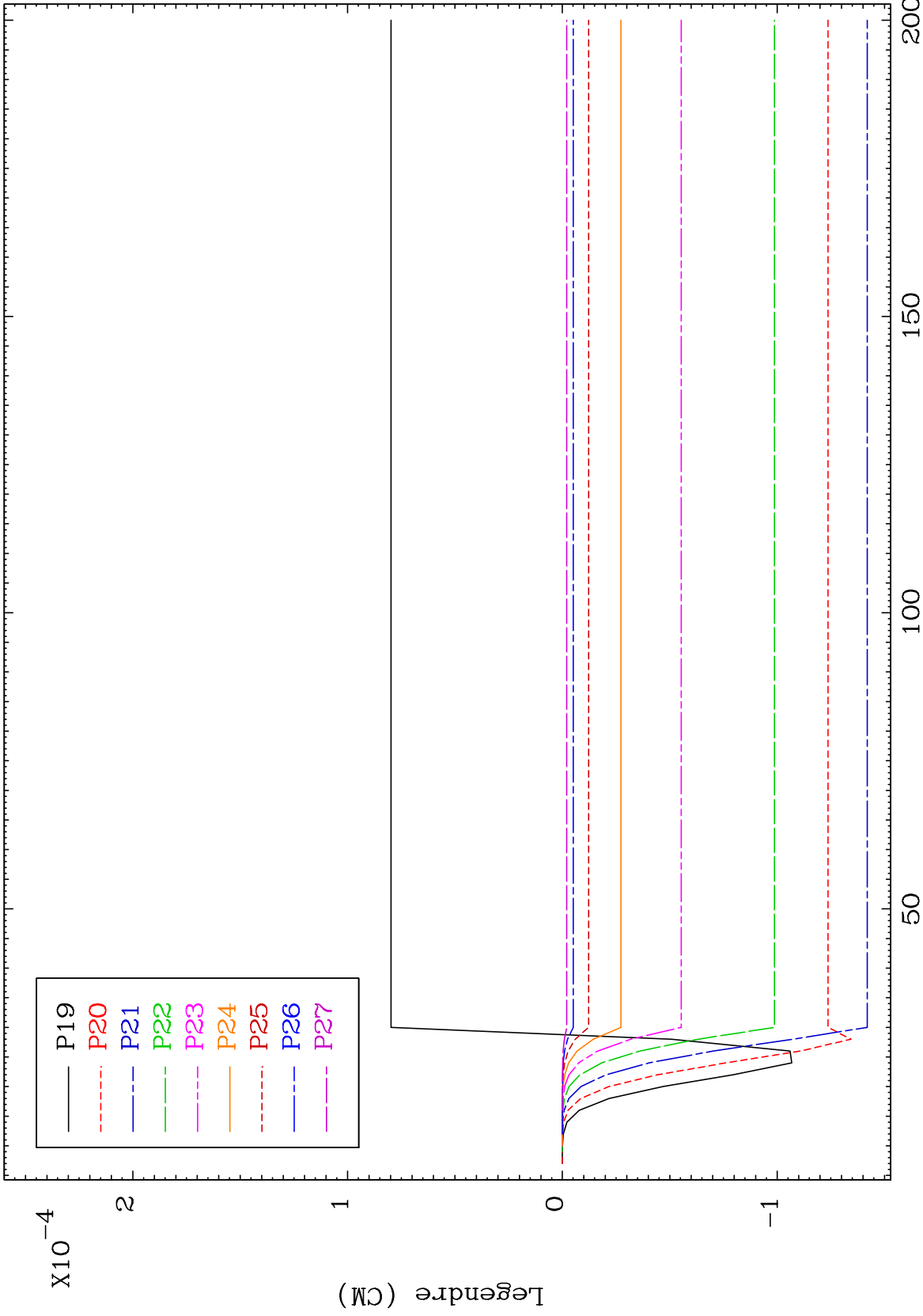
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

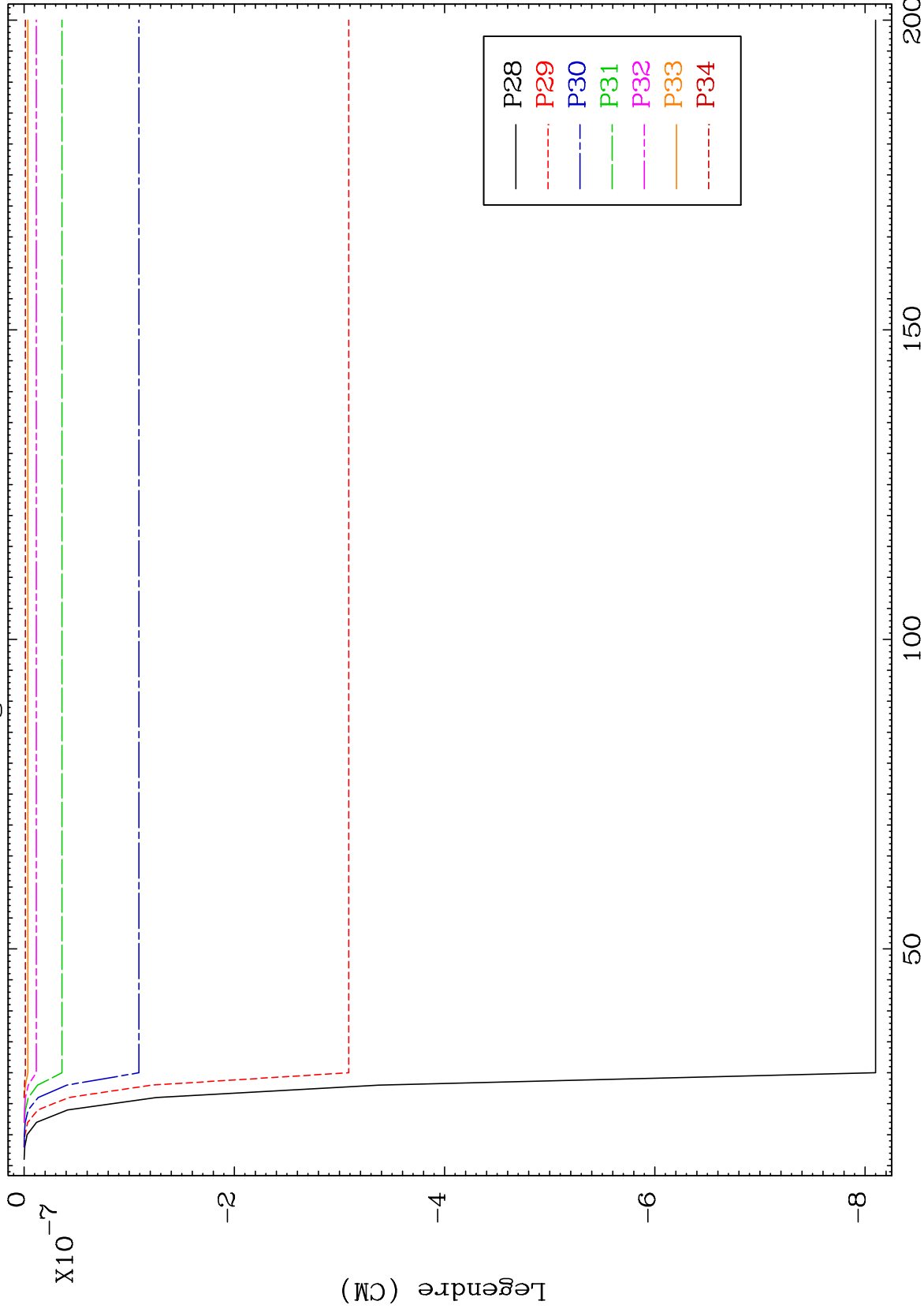
54-Xe-119



MAT 5410

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

54-Xe-119



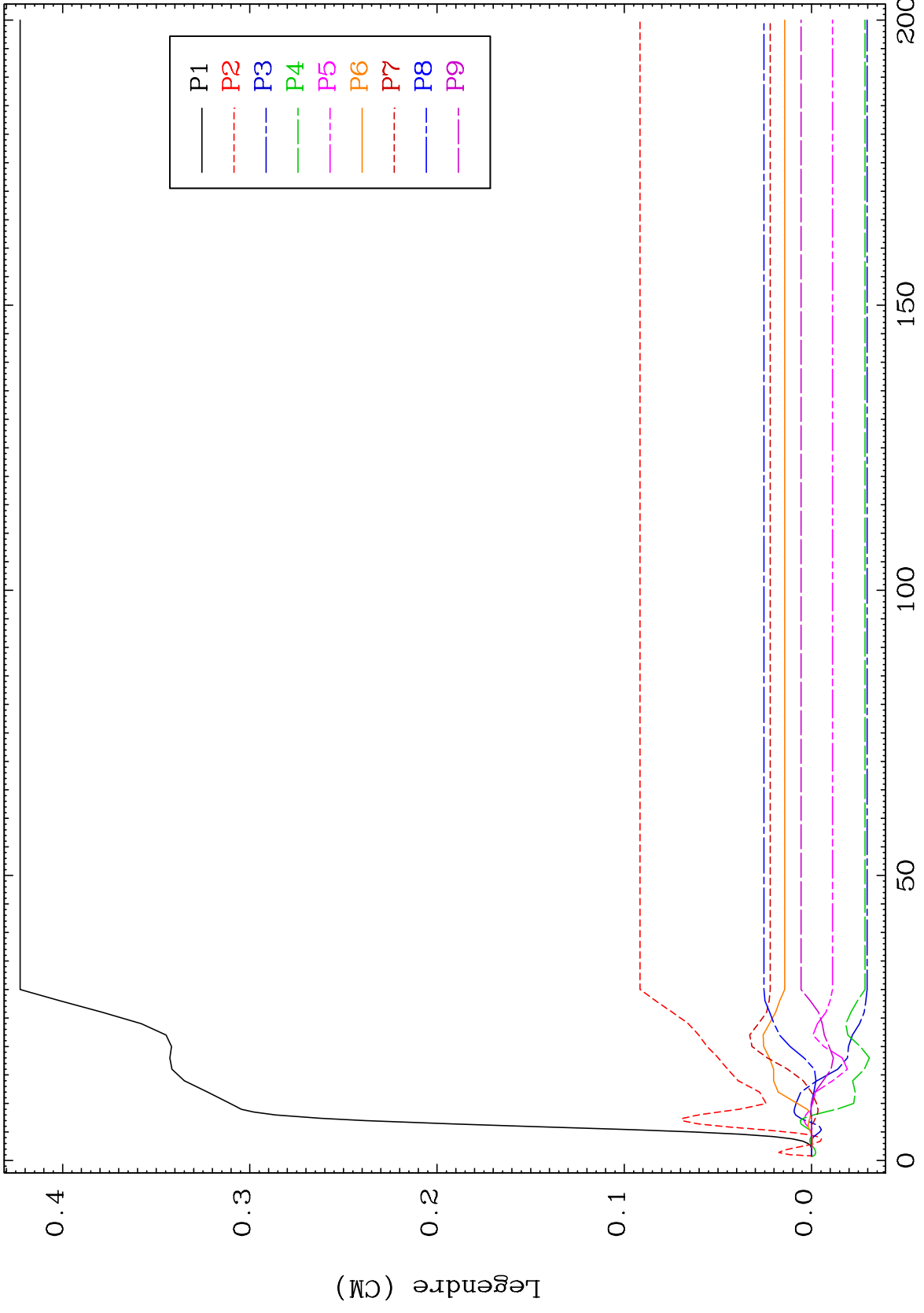
54-Xe-119

87

MAT 5410

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

54-Xe-119

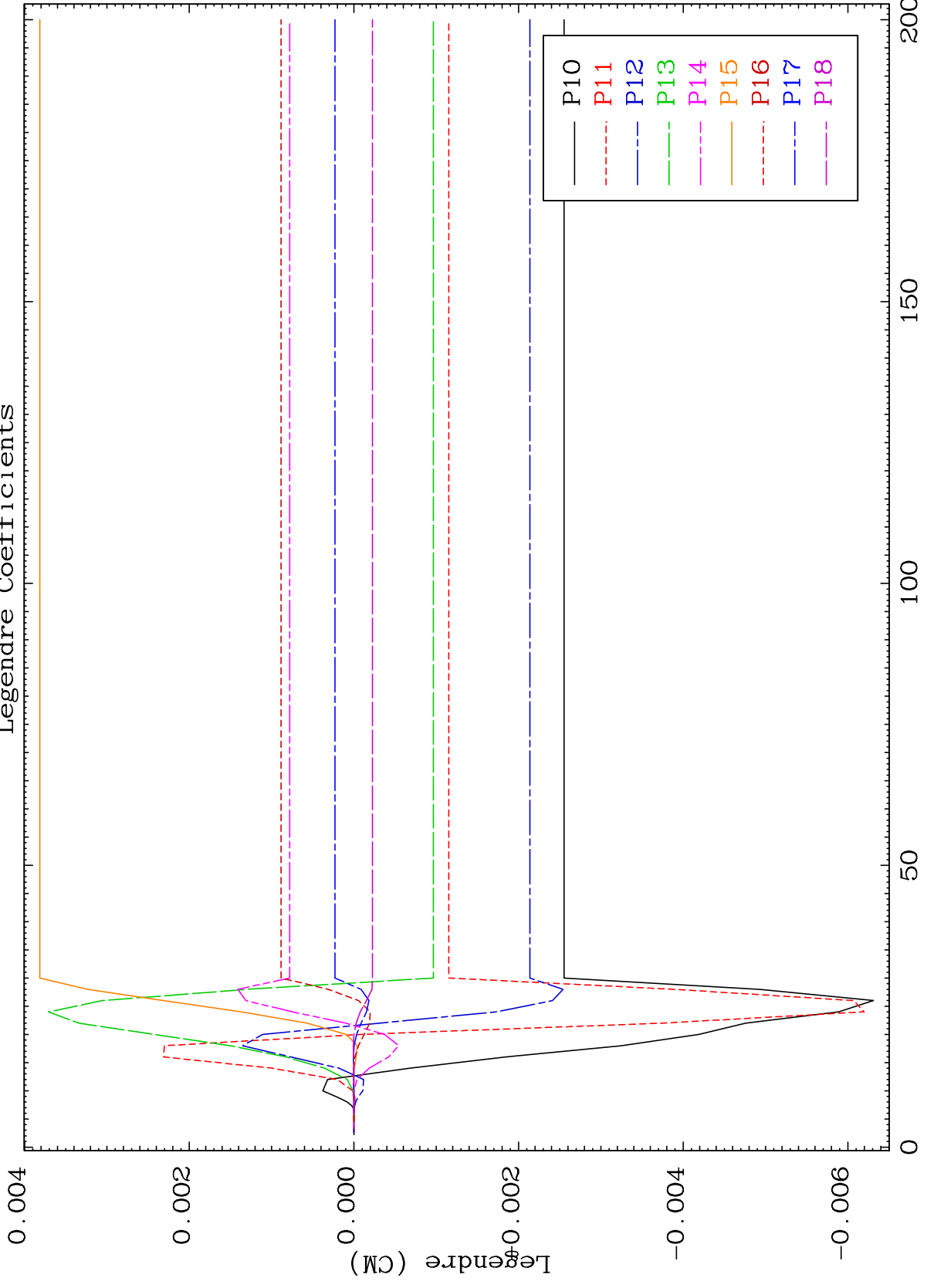


88

Incident Energy (MeV)

54-Xe-119

MAT 5410 MT= 68 (n,n') Level Legendre Coefficients 54-Xe-119

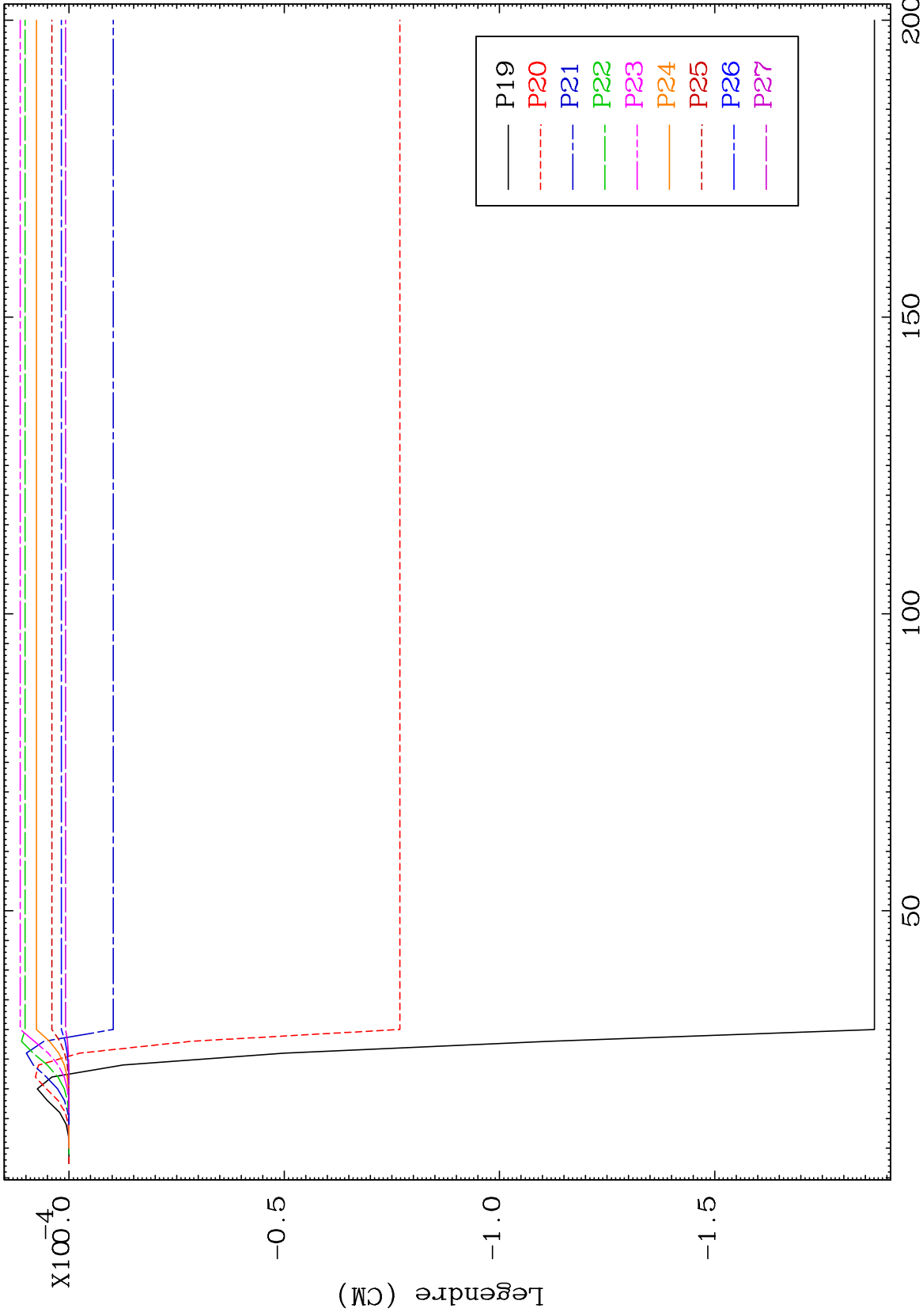


89 54-Xe-119

MAT 5410

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

54-Xe-119



54-Xe-119

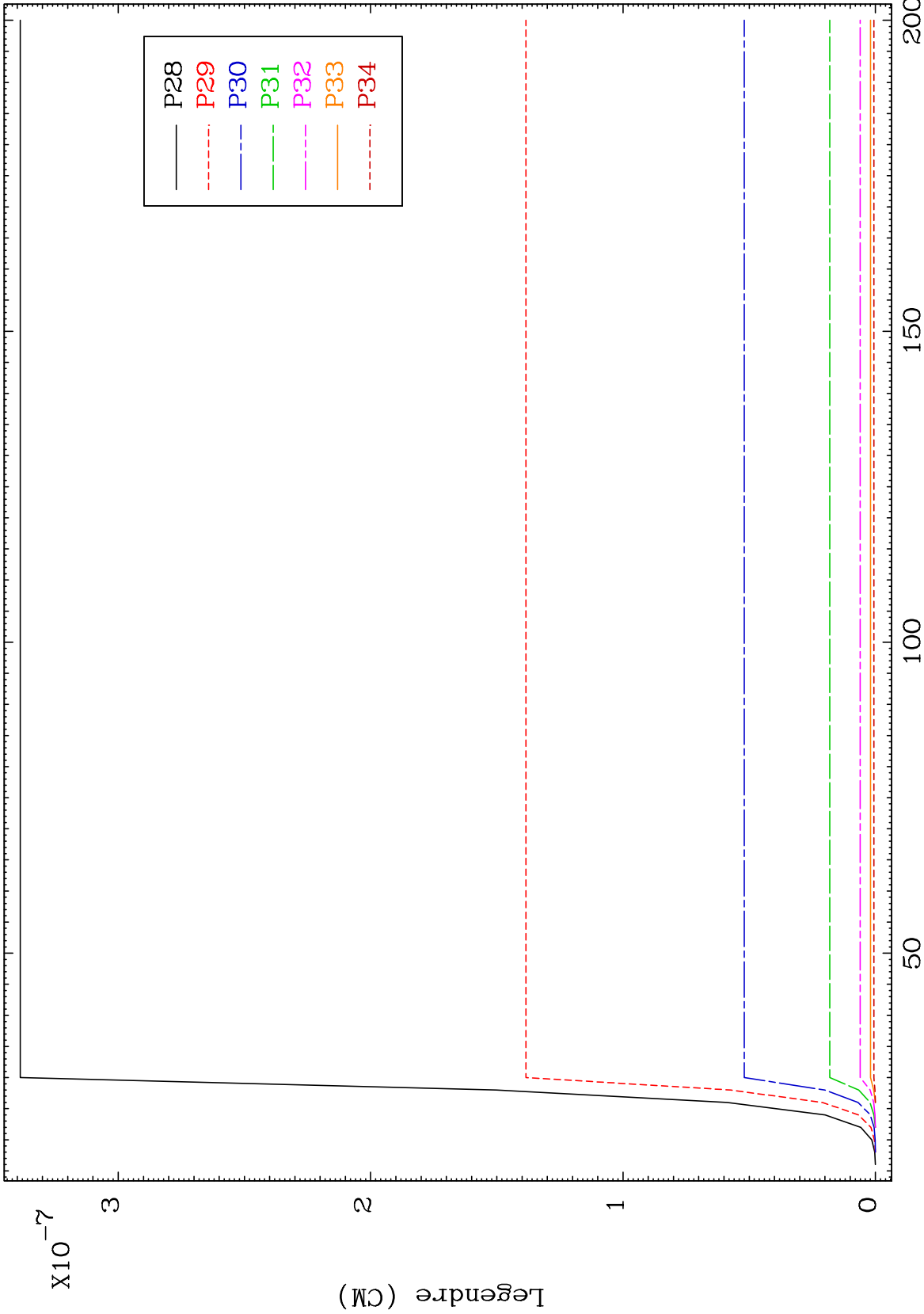
Incident Energy (MeV)

90

MAT 5410

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

54-Xe-119



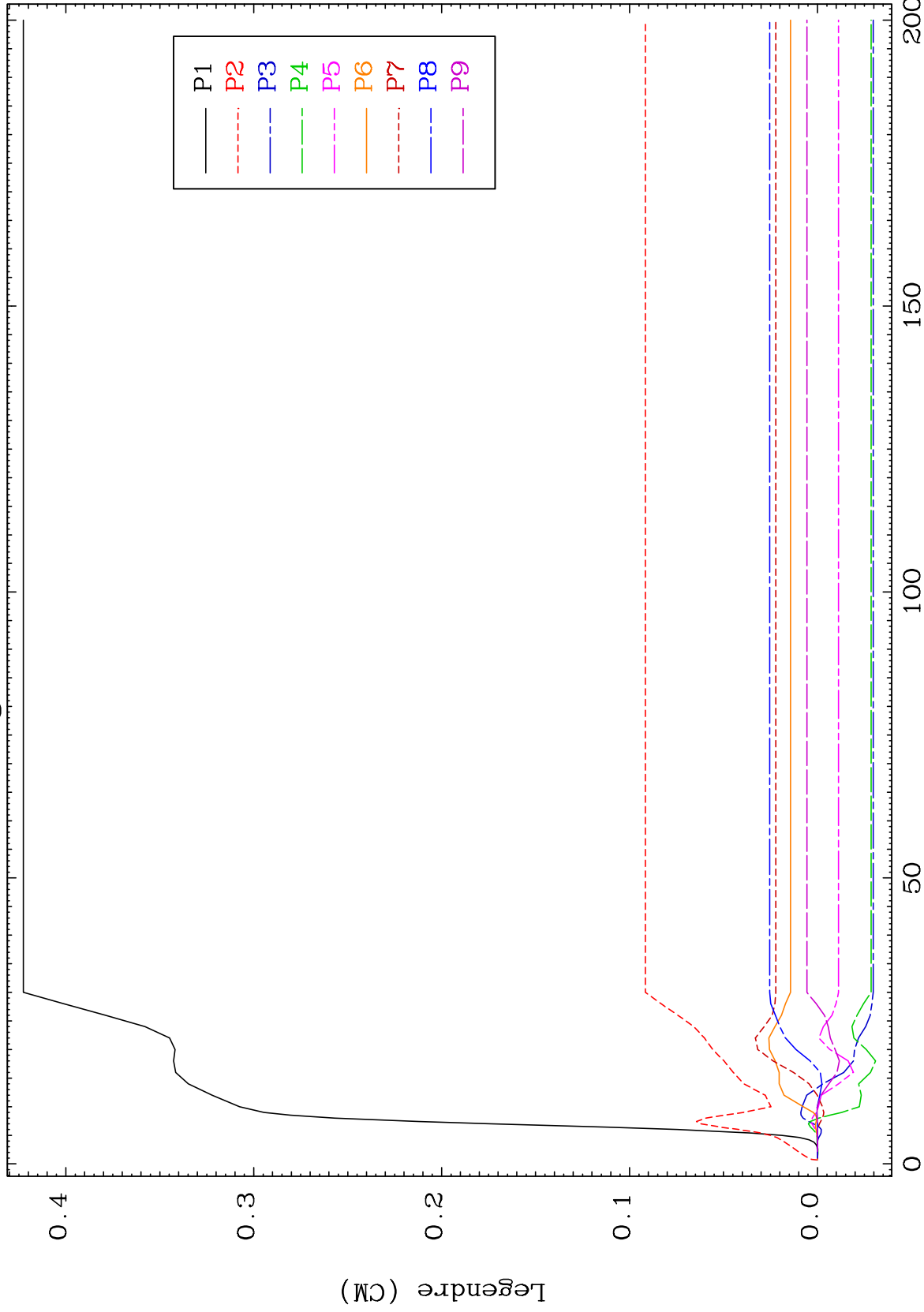
91

54-Xe-119

MAT 5410

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

54-Xe-119

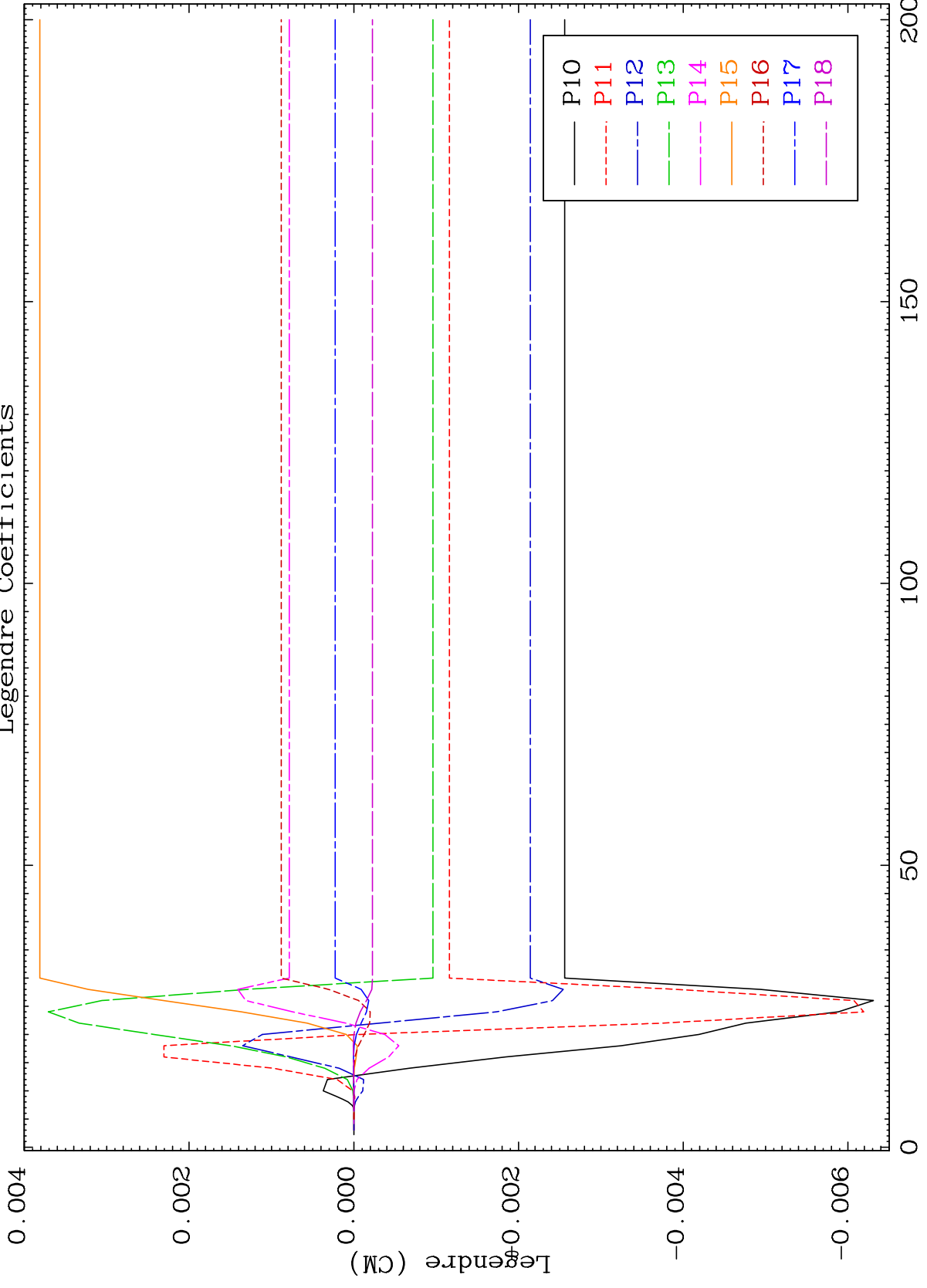


92

Incident Energy (MeV)

54-Xe-119

MAT 5410 MT= 69 (n,n') Level Legendre Coefficients 54-Xe-119

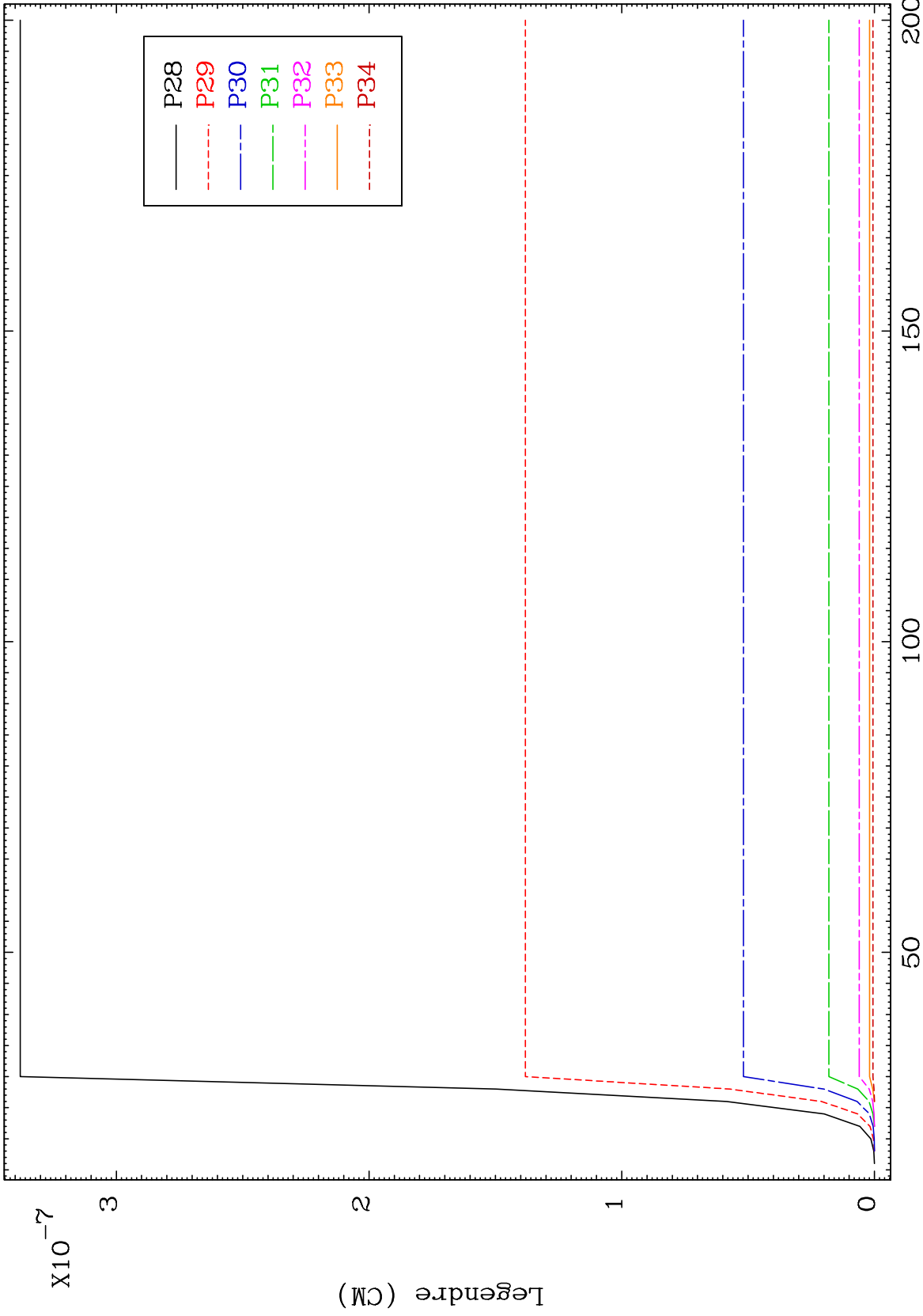


93 54-Xe-119

MAT 5410

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

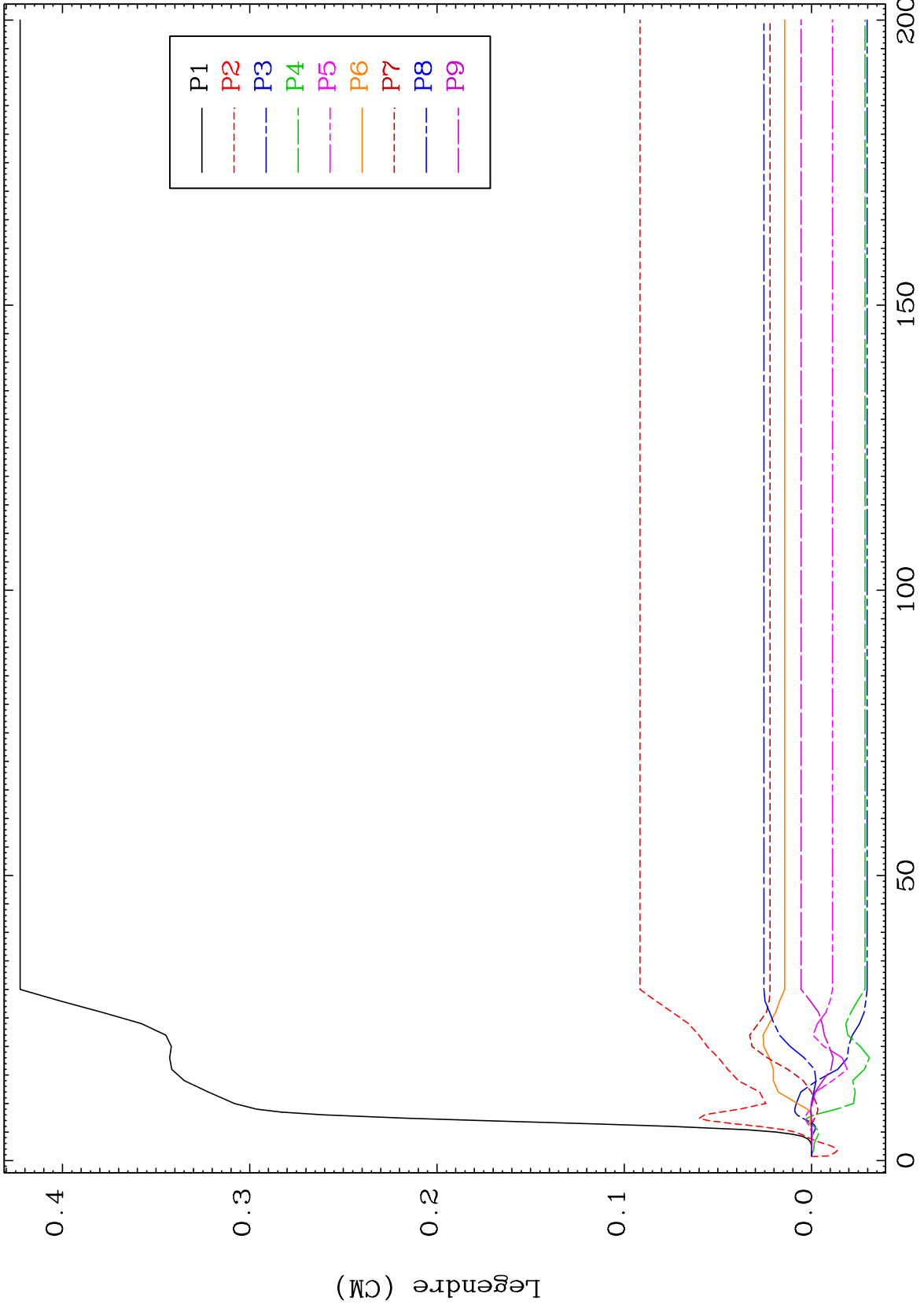
54-Xe-119



MAT 5410

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

54-Xe-119

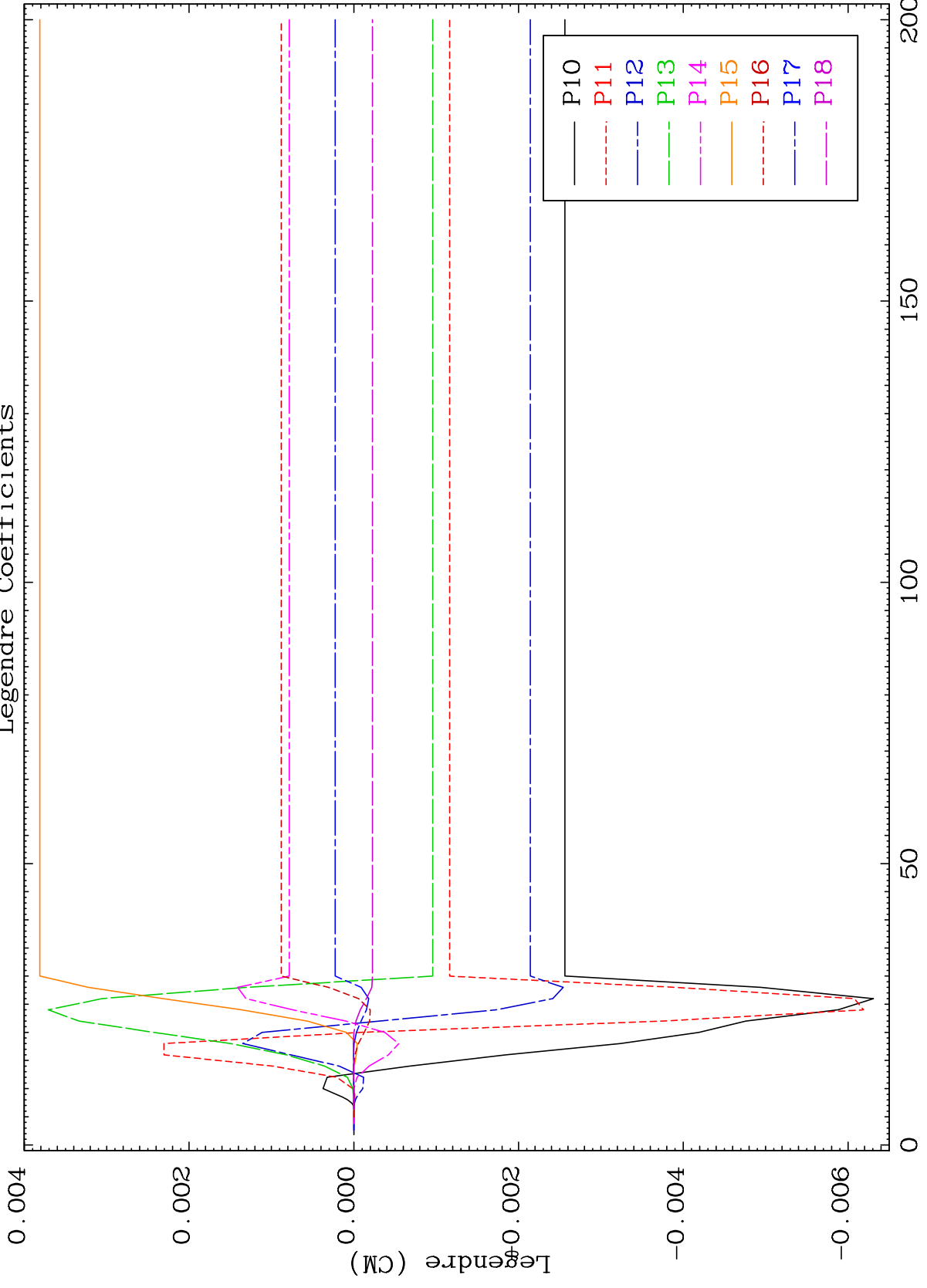


96

Incident Energy (MeV)

54-Xe-119

MAT 5410 MT= 70 (n,n') Level Legendre Coefficients 54-Xe-119

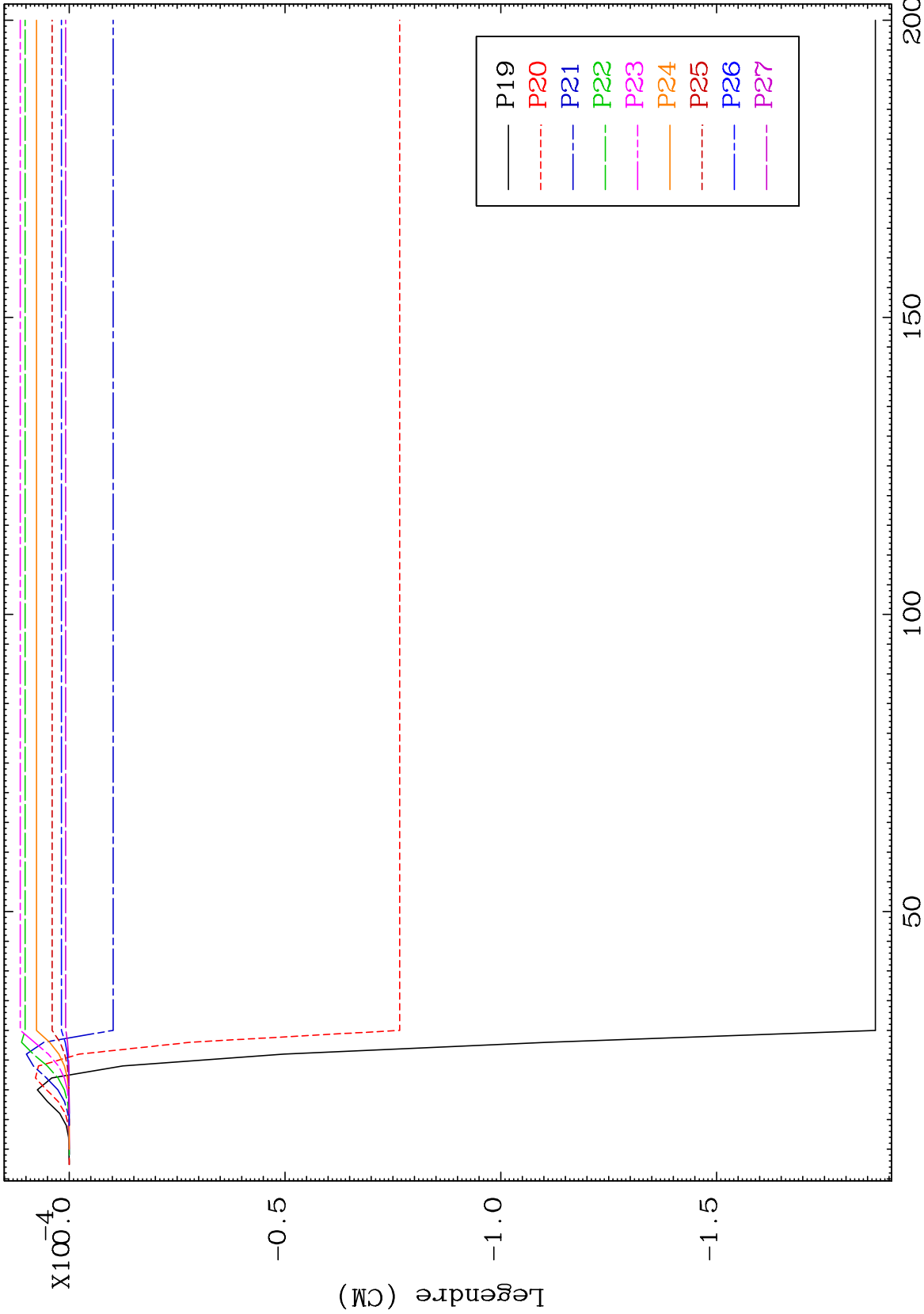


97 54-Xe-119

MAT 5410

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

54-Xe-119



54-Xe-119

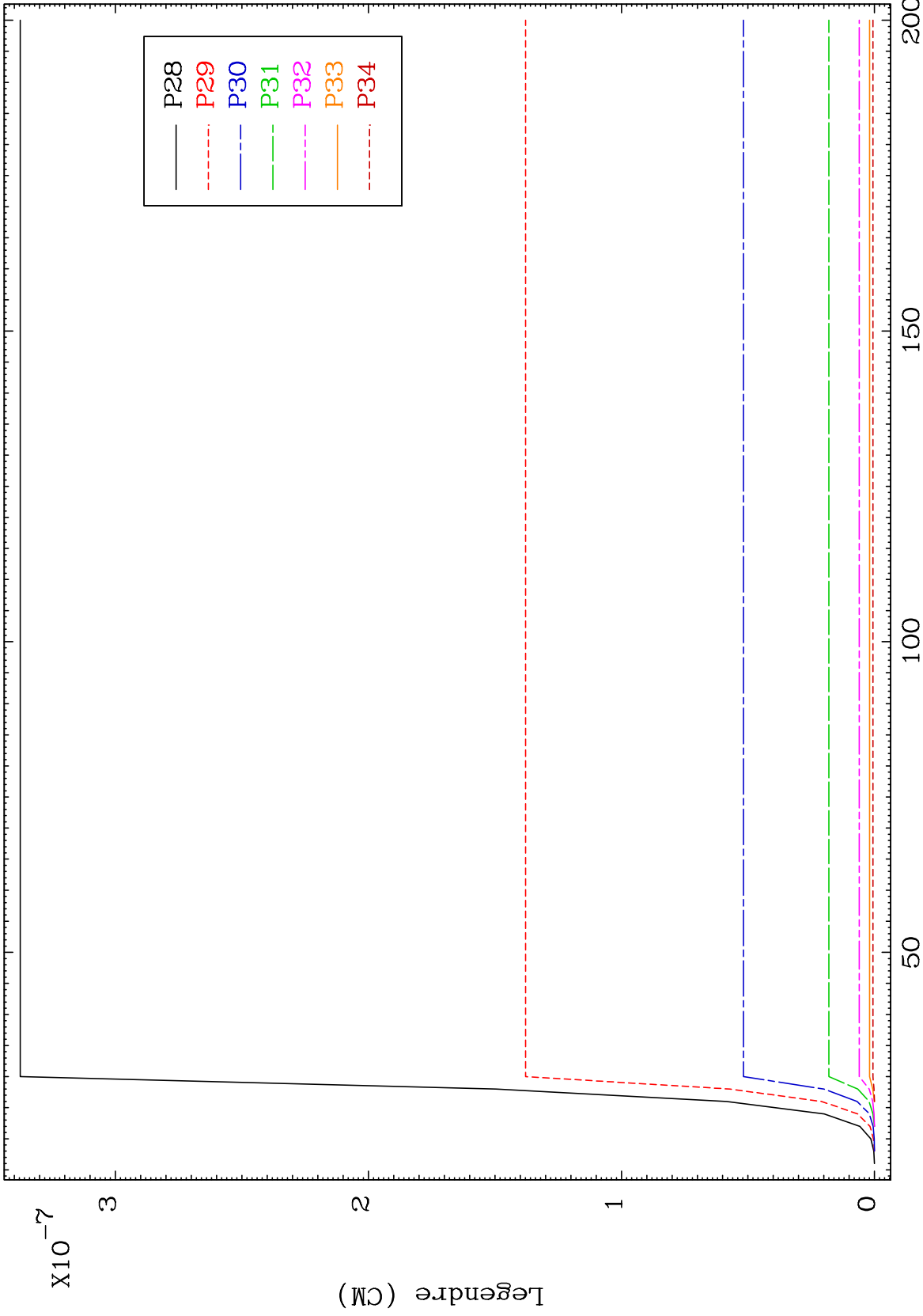
Incident Energy (MeV)

98

MAT 5410

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

54-Xe-119



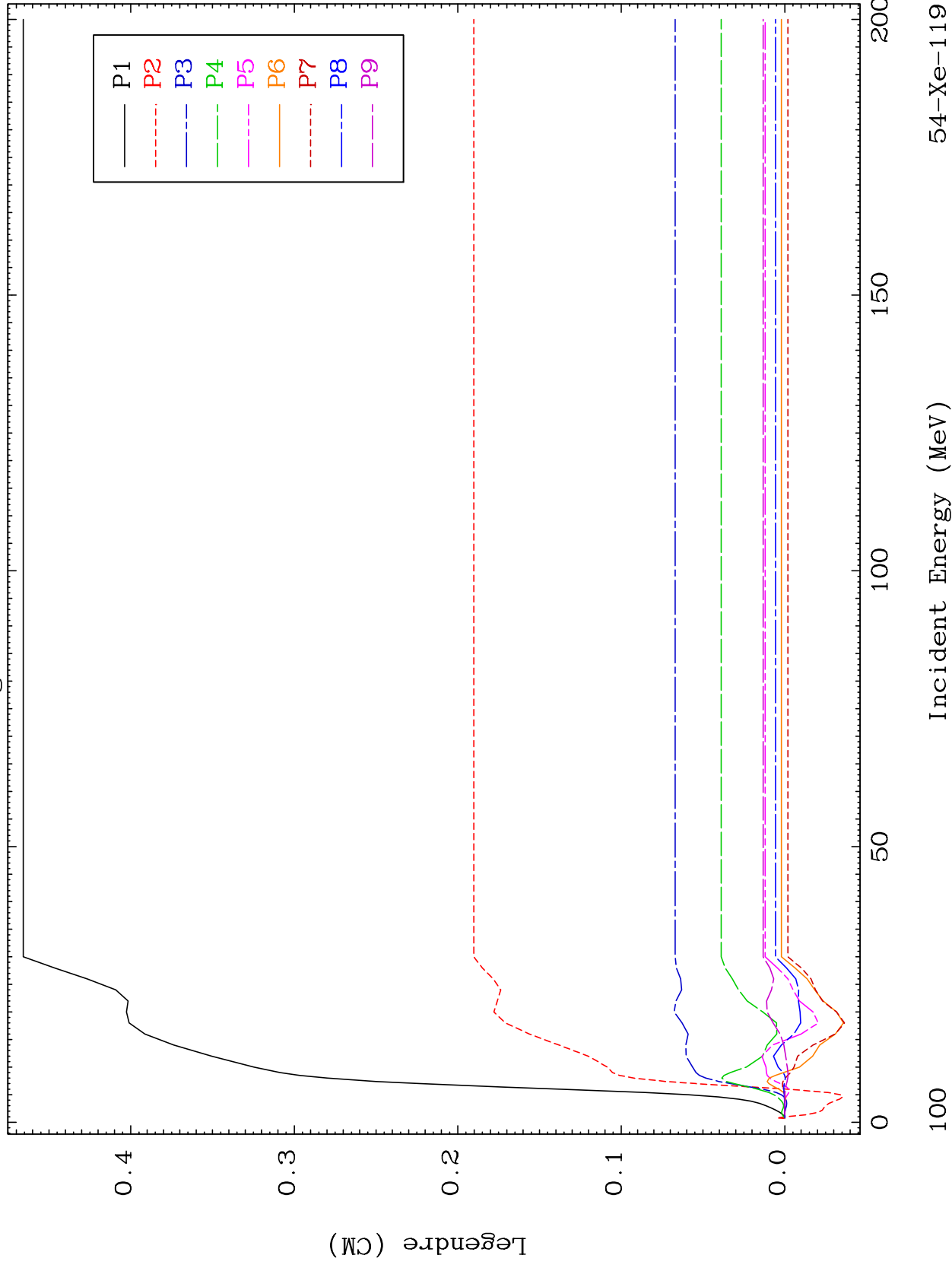
99

54-Xe-119

MAT 5410

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

54-Xe-119

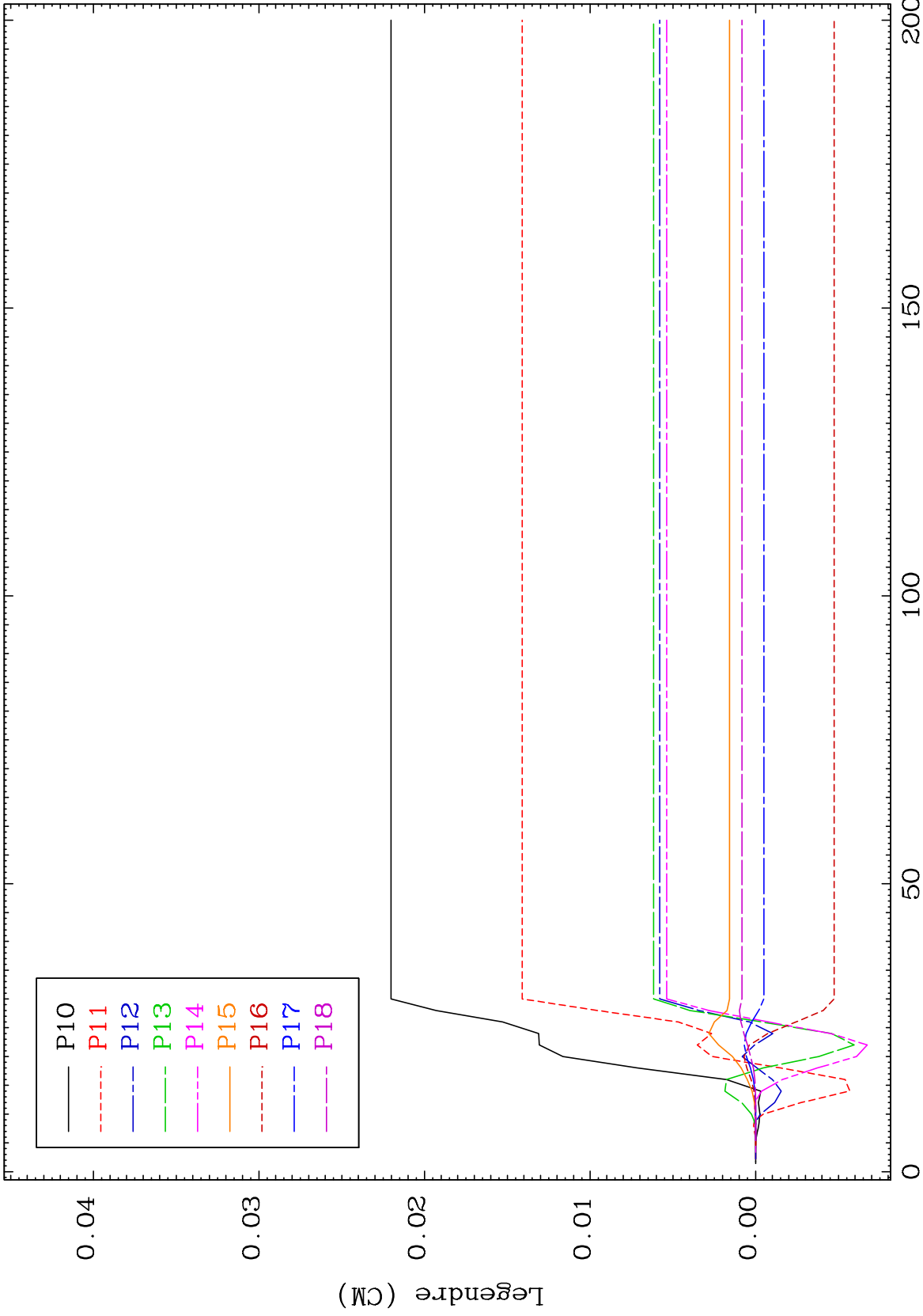


54-Xe-119

MAT 5410

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

54-Xe-119



101

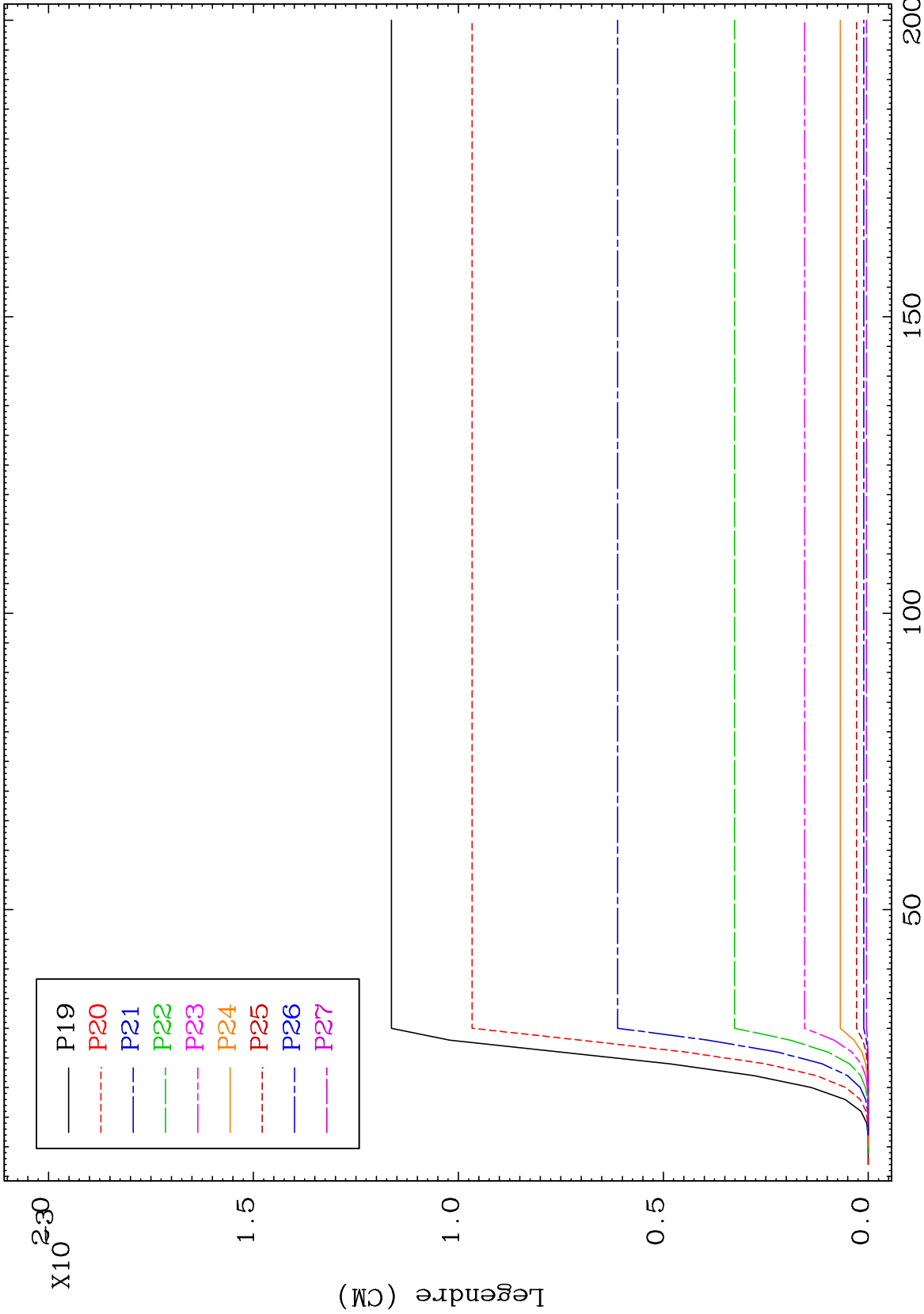
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119



102

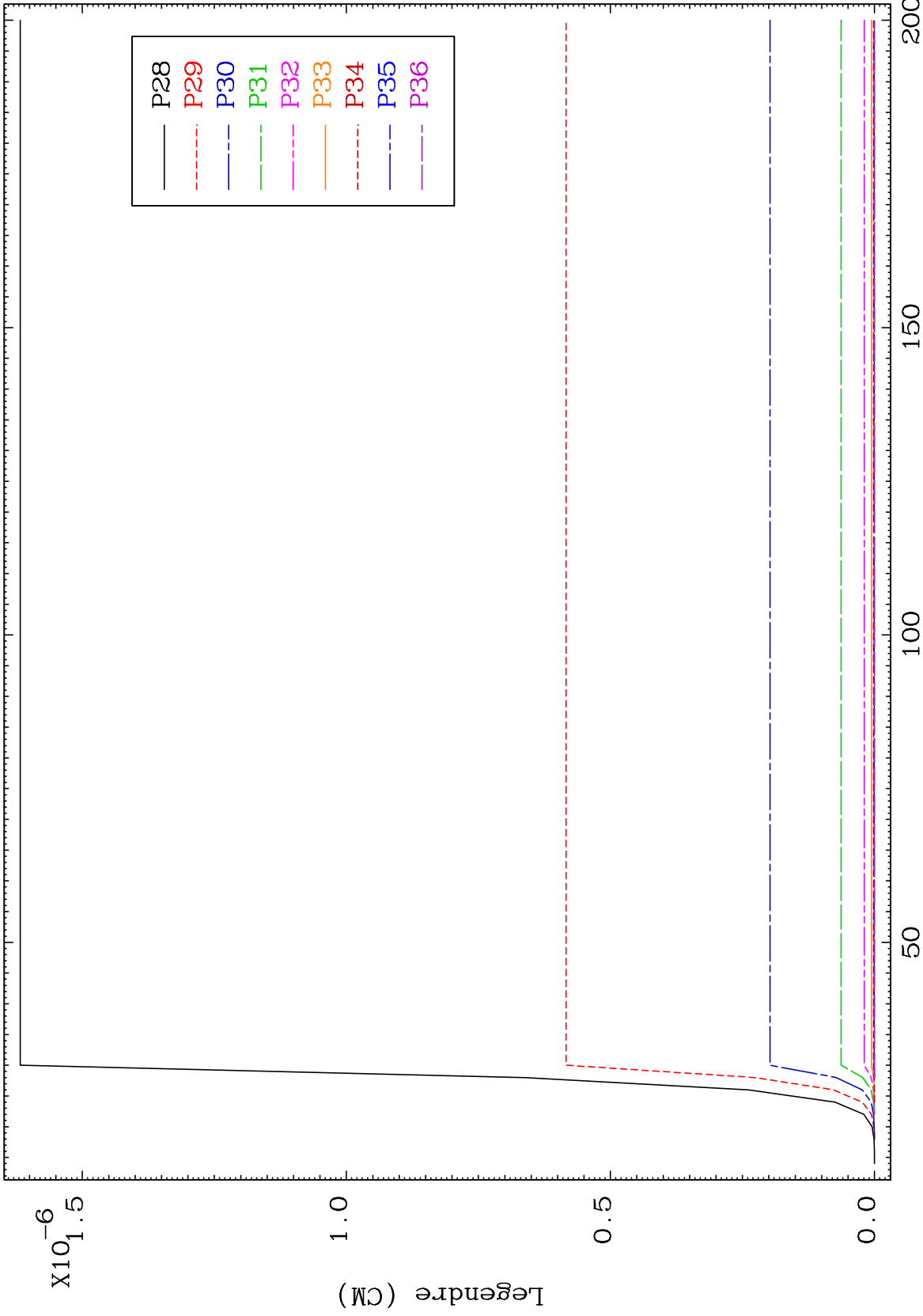
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119



103

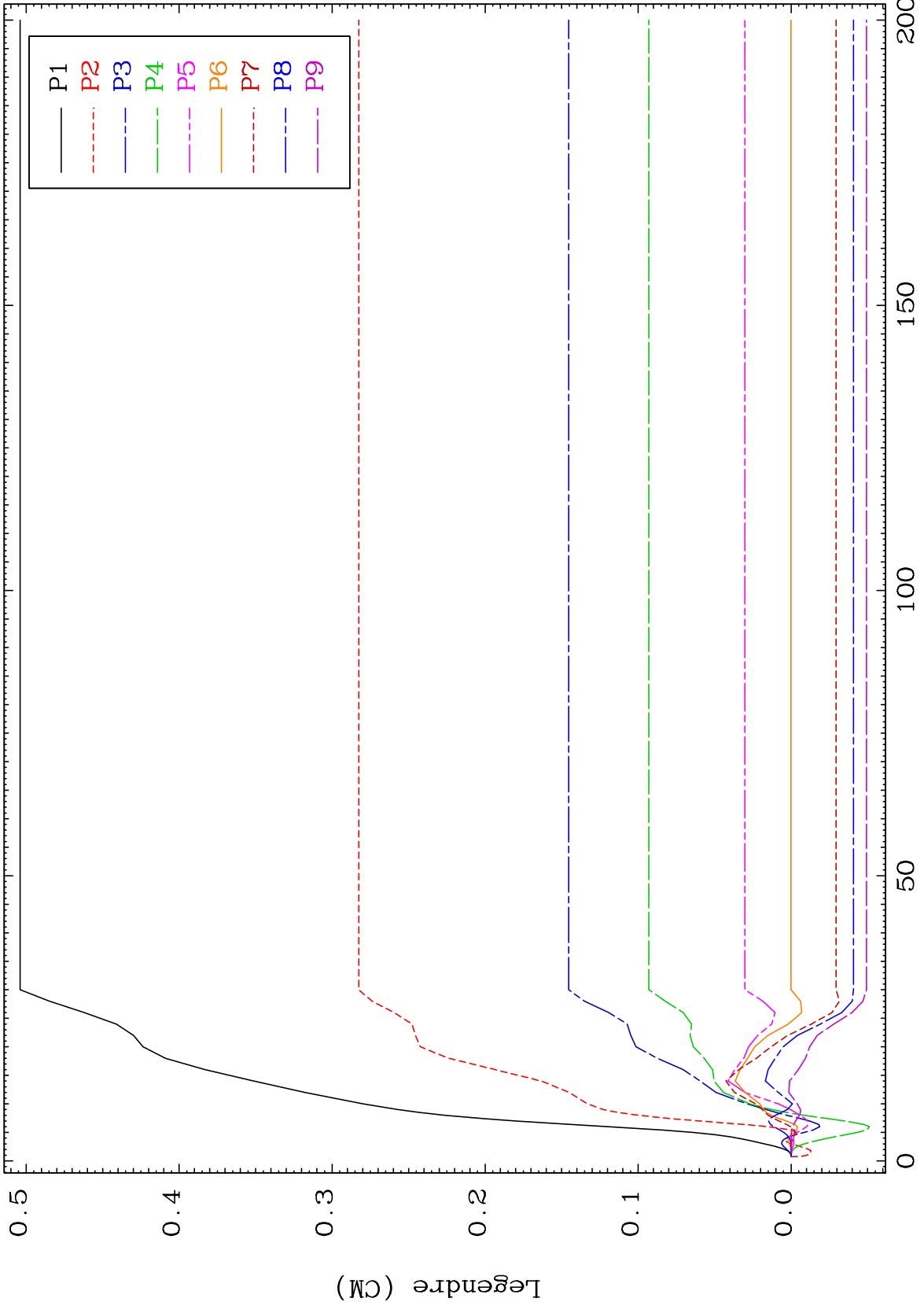
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119

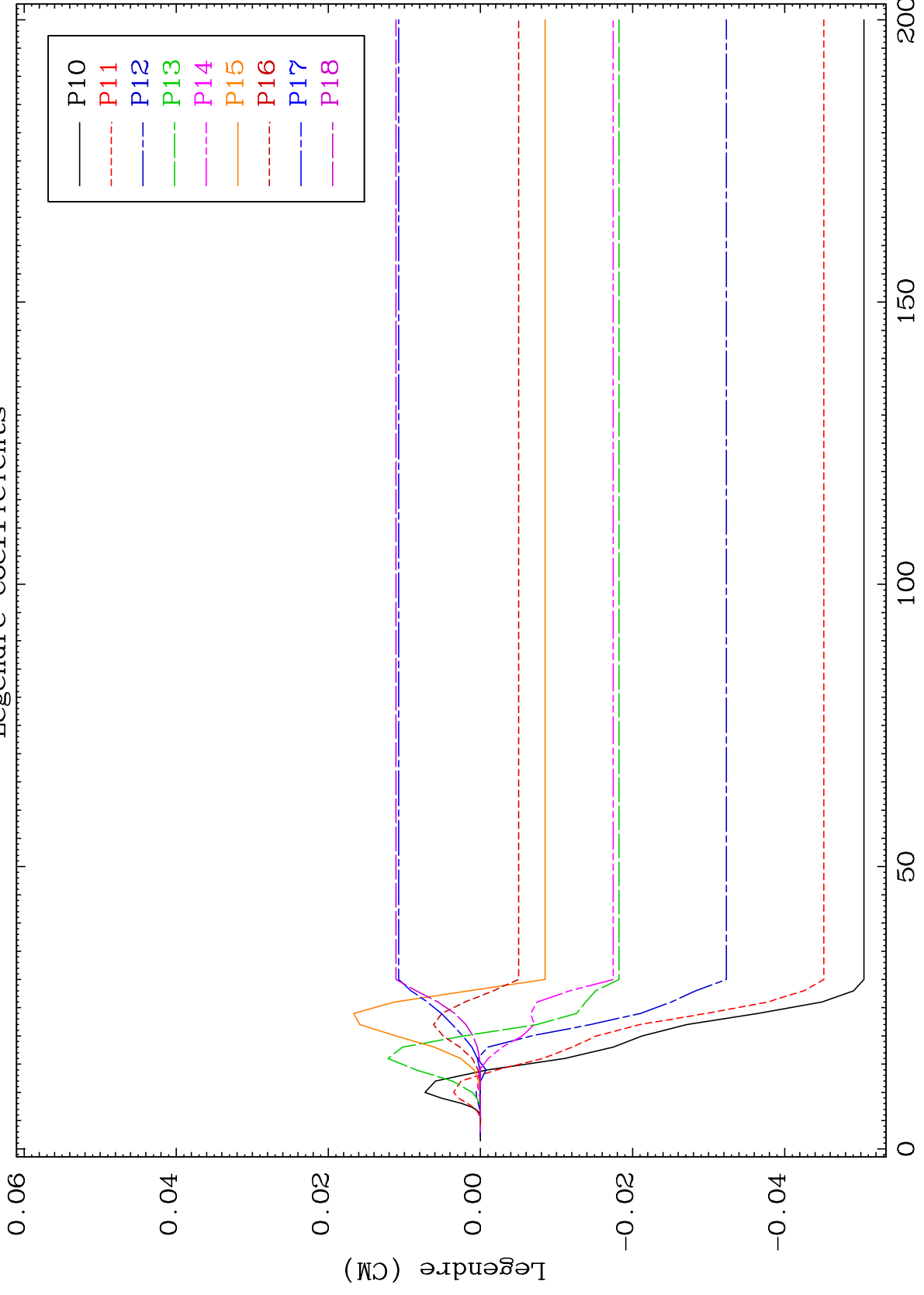


104

Incident Energy (MeV)

54-Xe-119

MAT 5410 MT= 72 (n,n') Level Legendre Coefficients 54-Xe-119

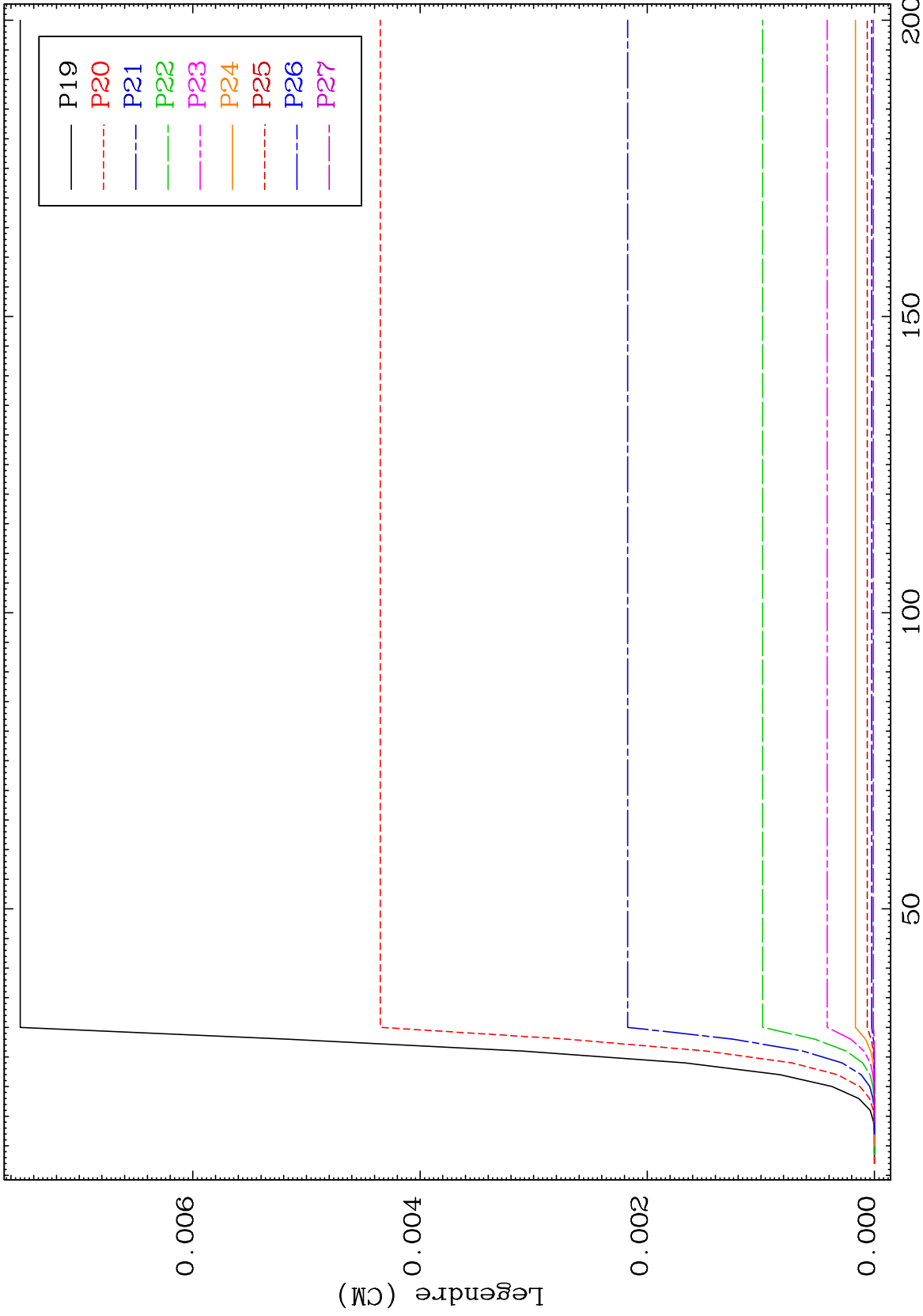


105 54-Xe-119

MAT 5410

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

54-Xe-119



106

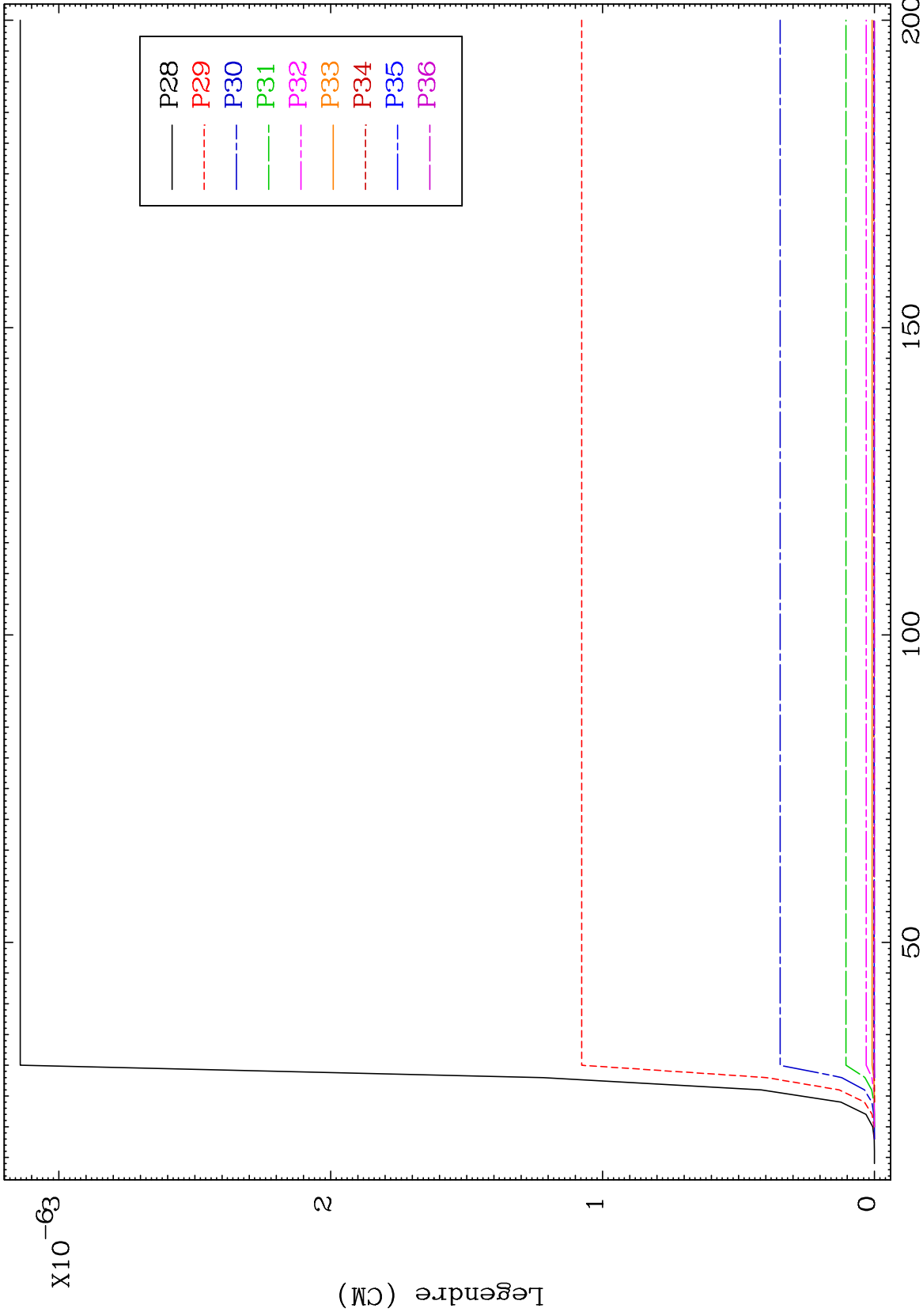
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119



107

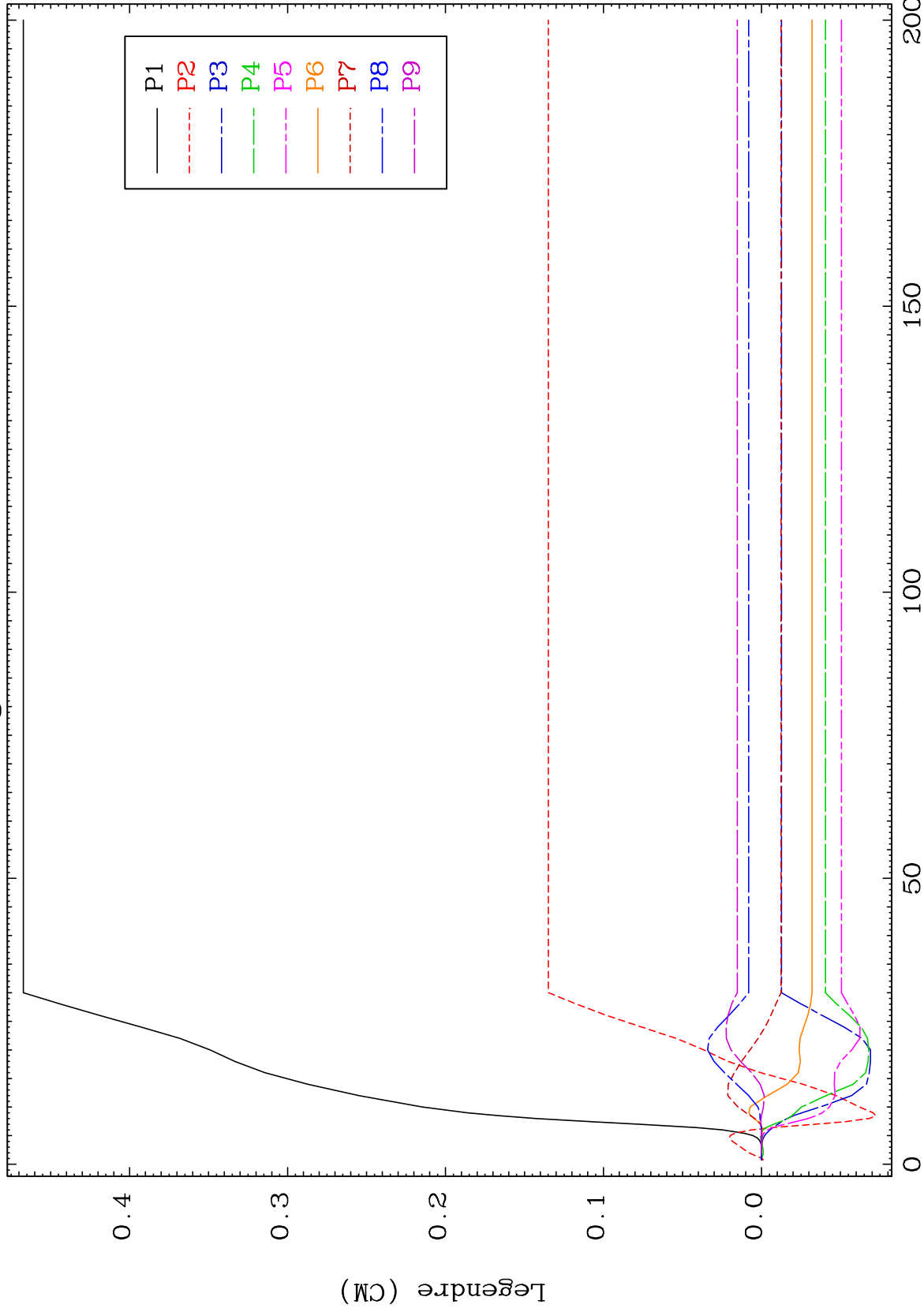
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119



108

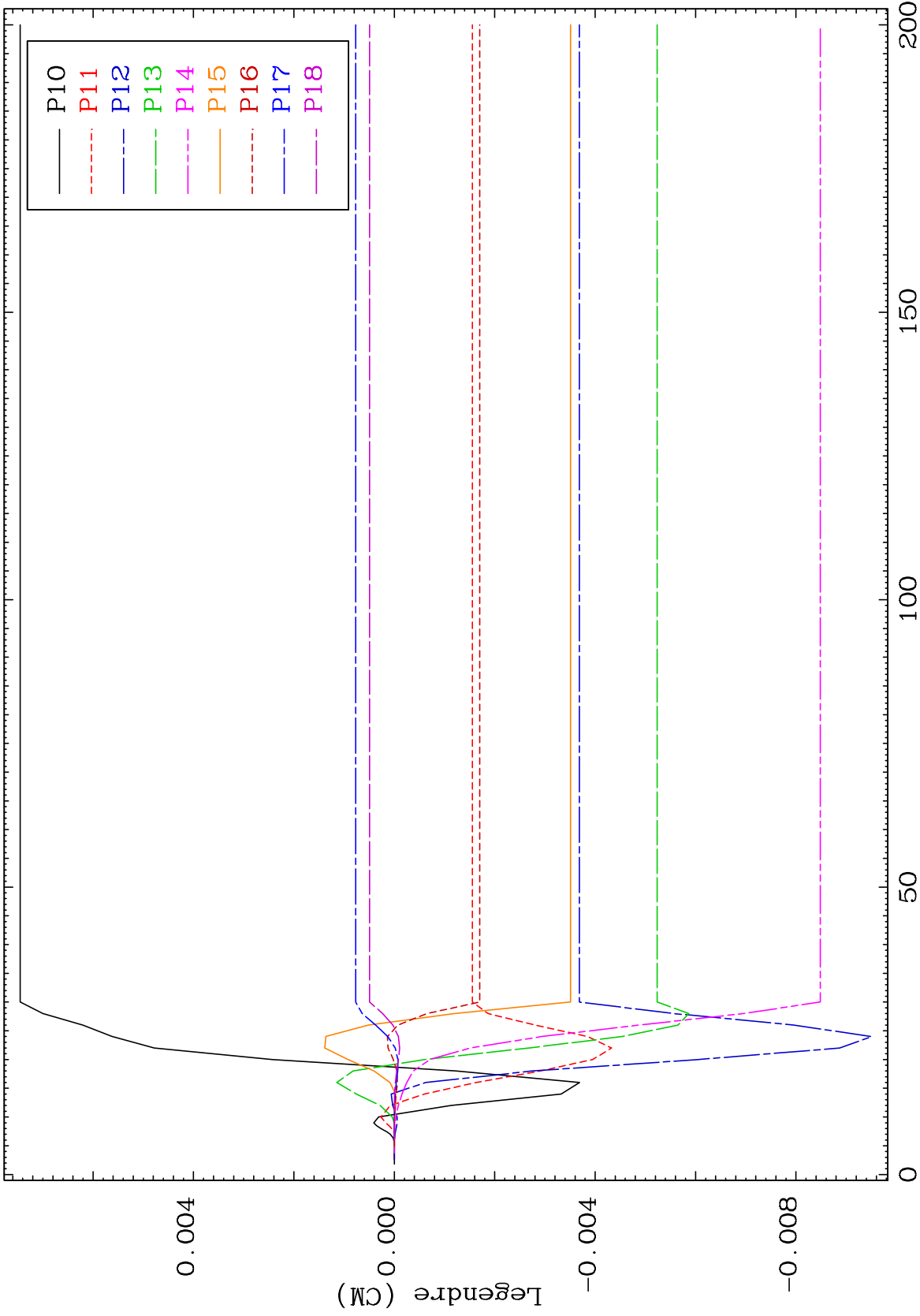
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119



109

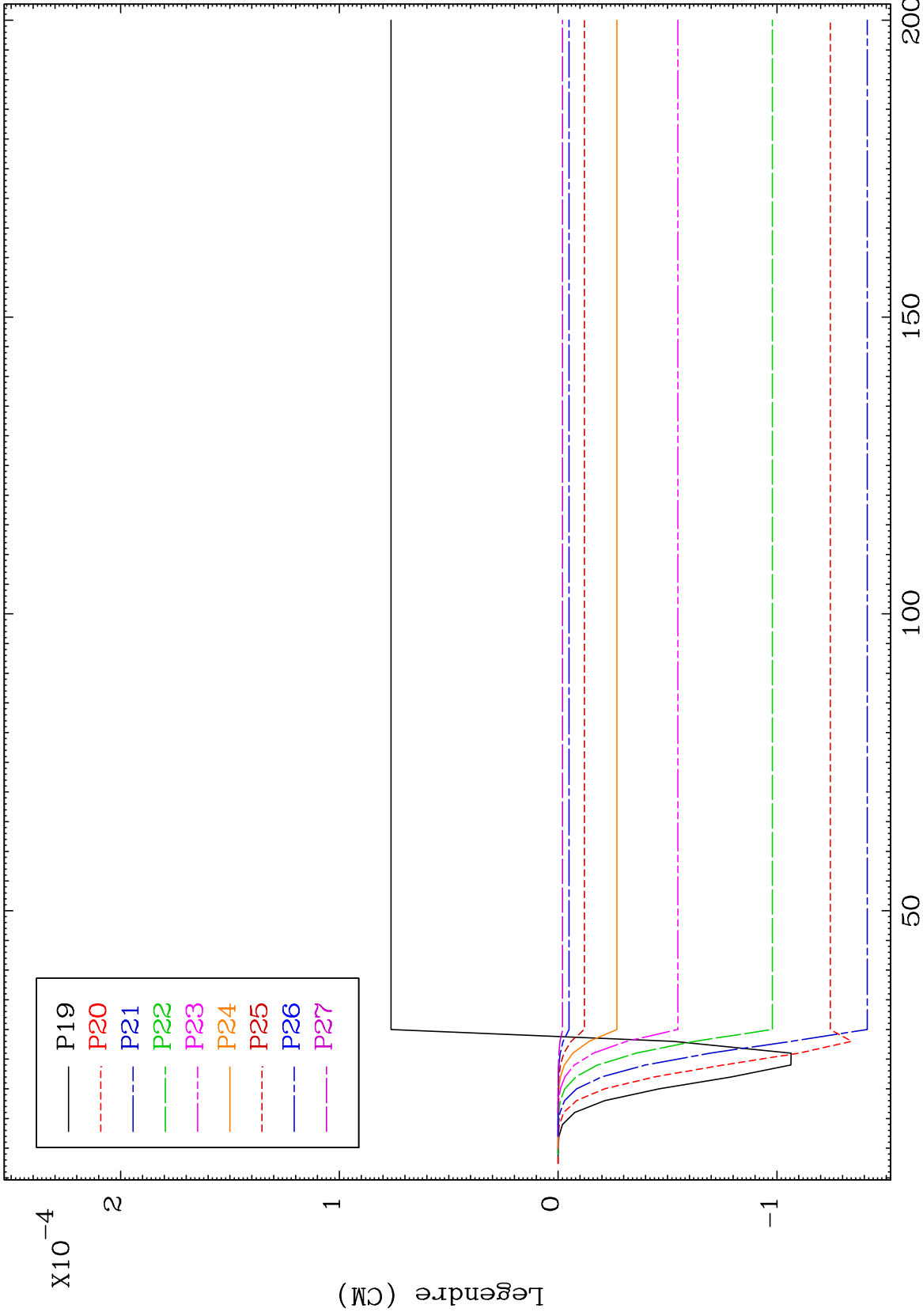
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119



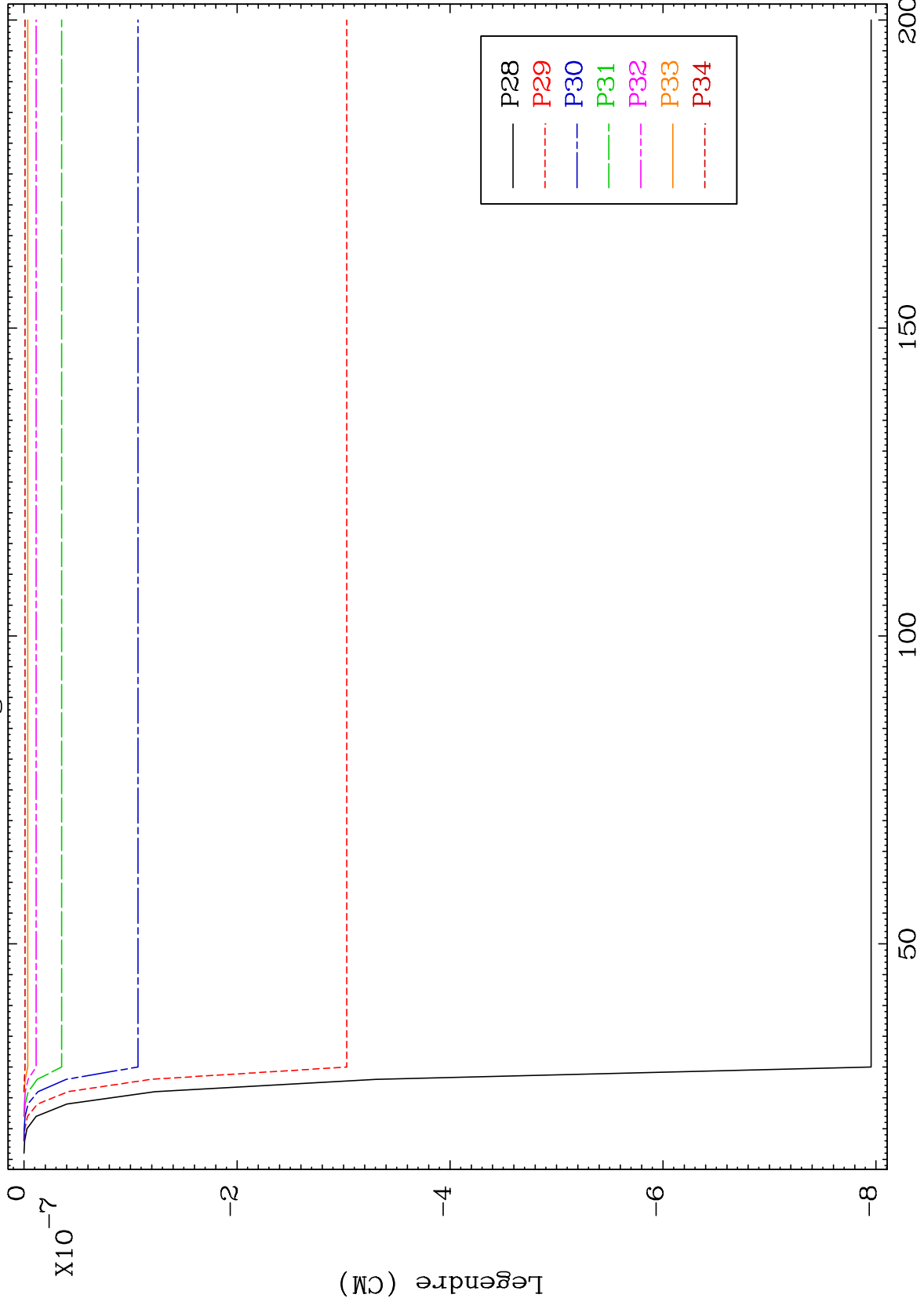
110

54-Xe-119

MAT 5410

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

54-Xe-119



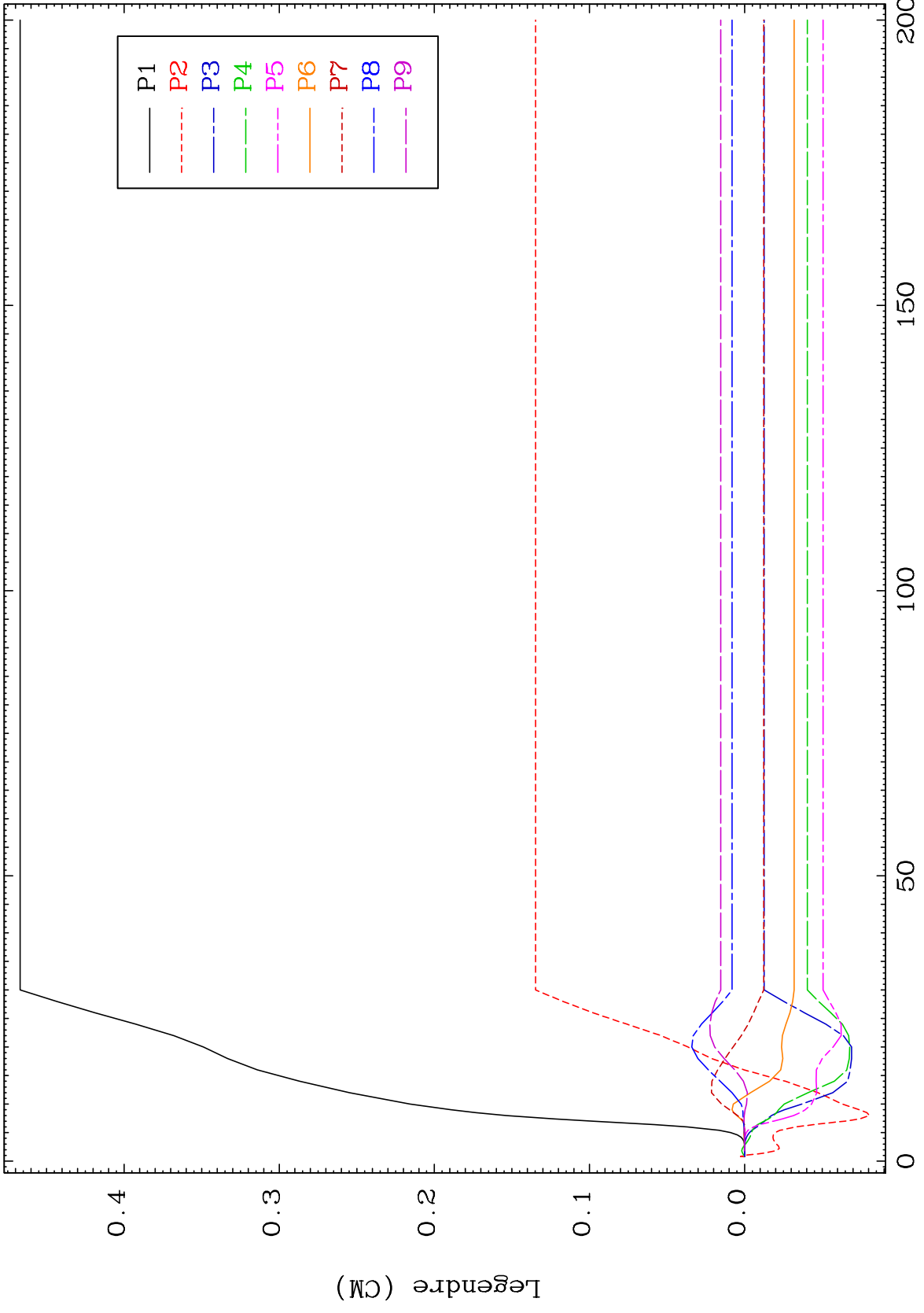
54-Xe-119

111

MAT 5410

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

54-Xe-119



112

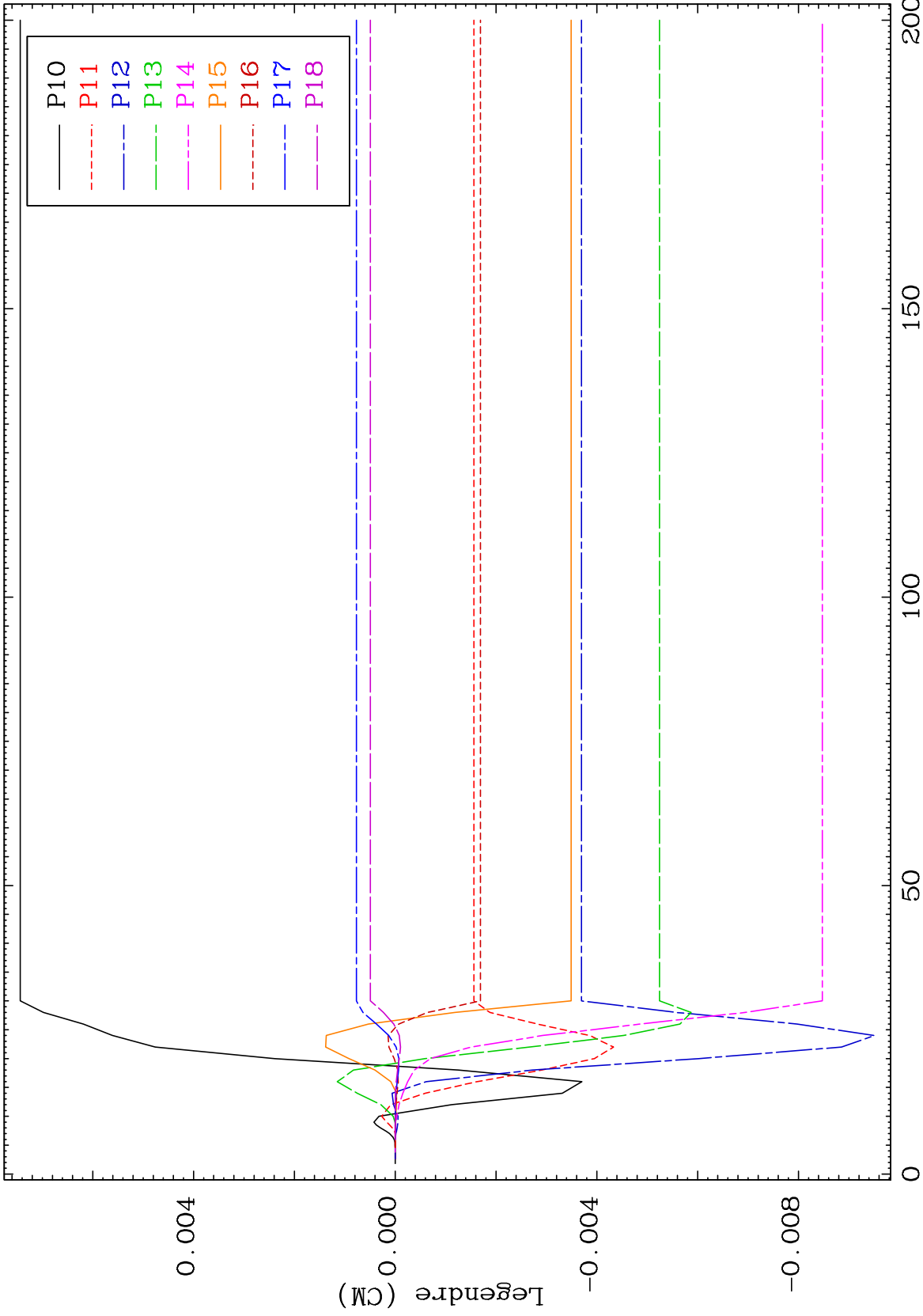
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119



113

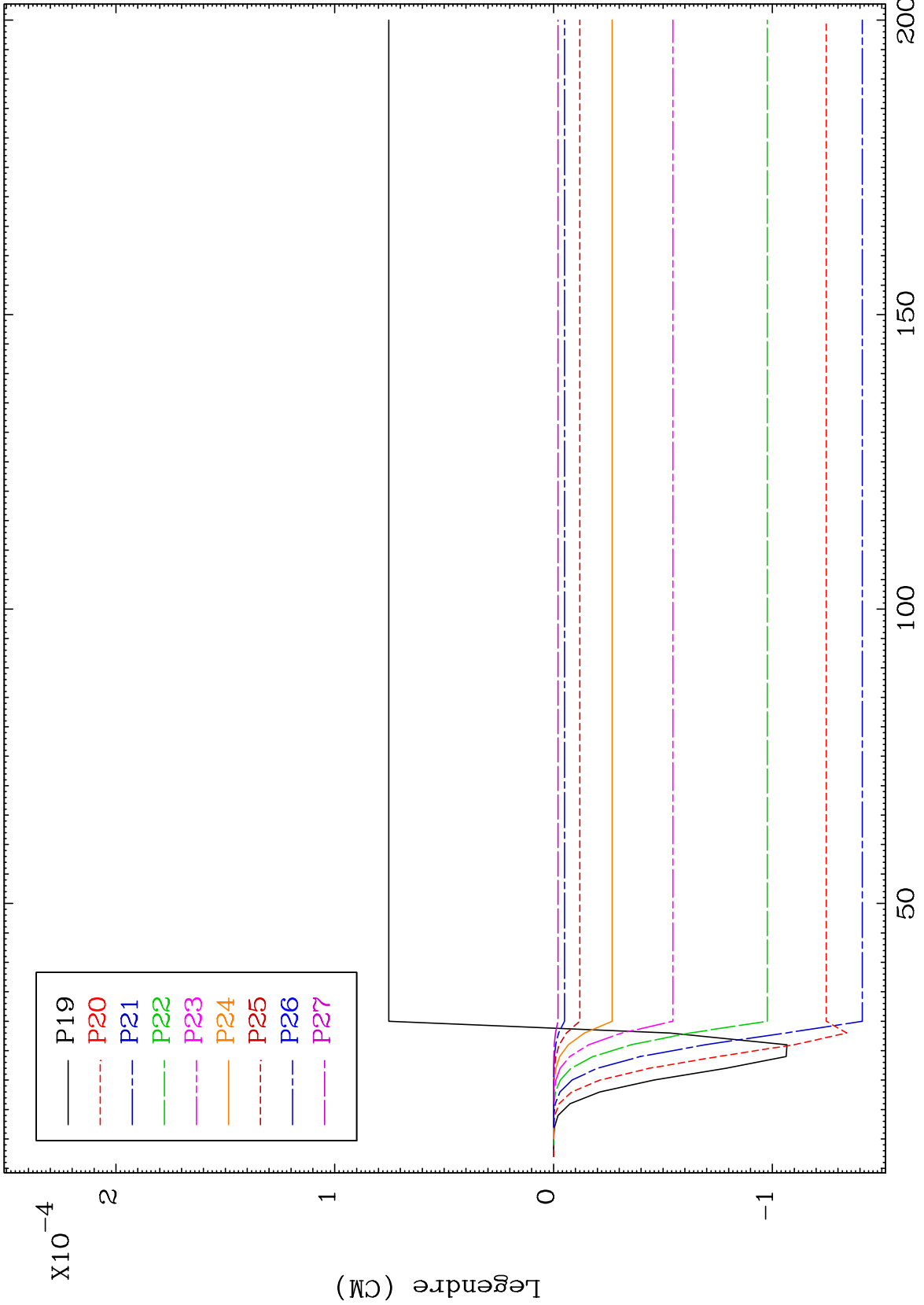
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119



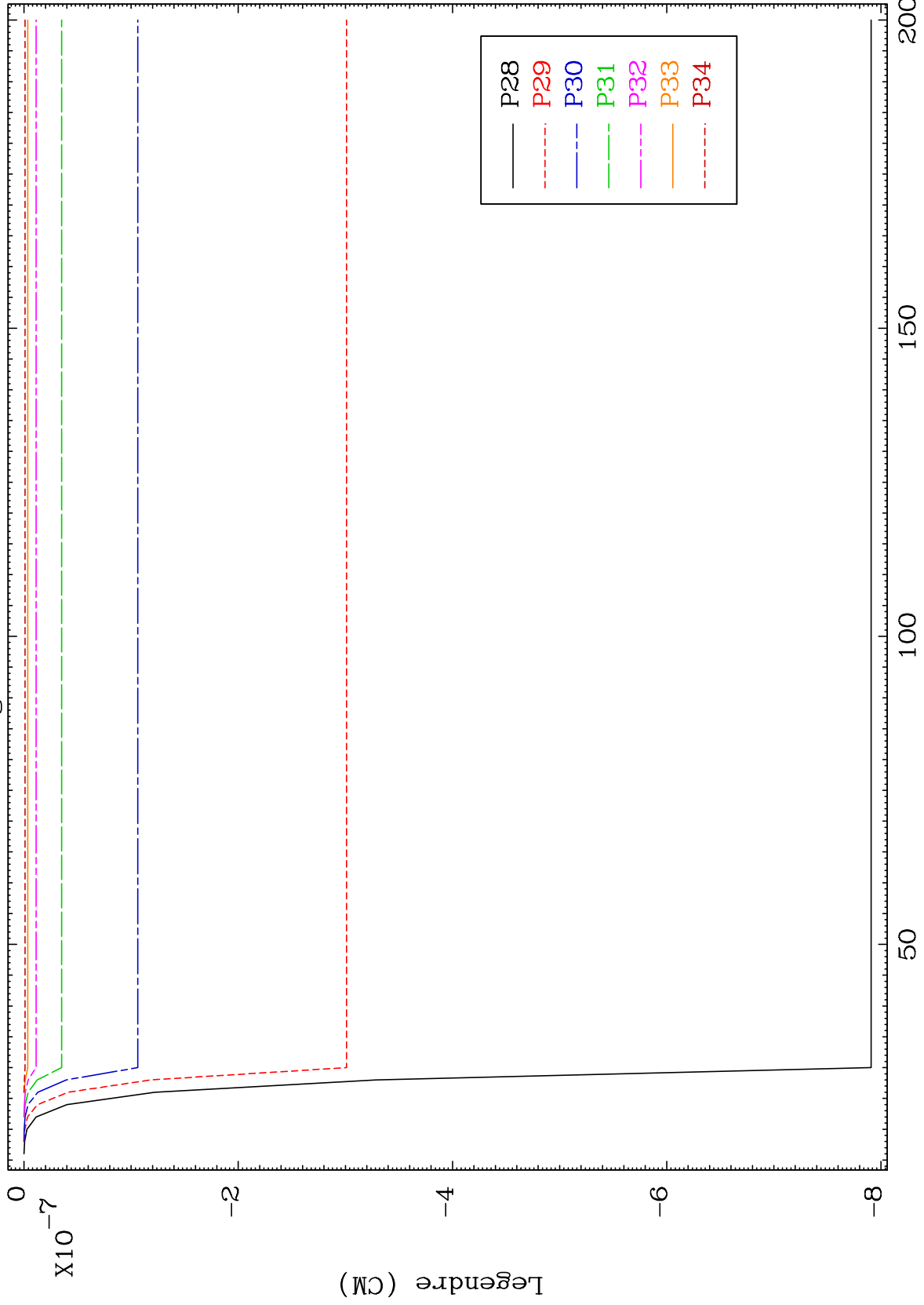
114

54-Xe-119

MAT 5410

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

54-Xe-119



54-Xe-119

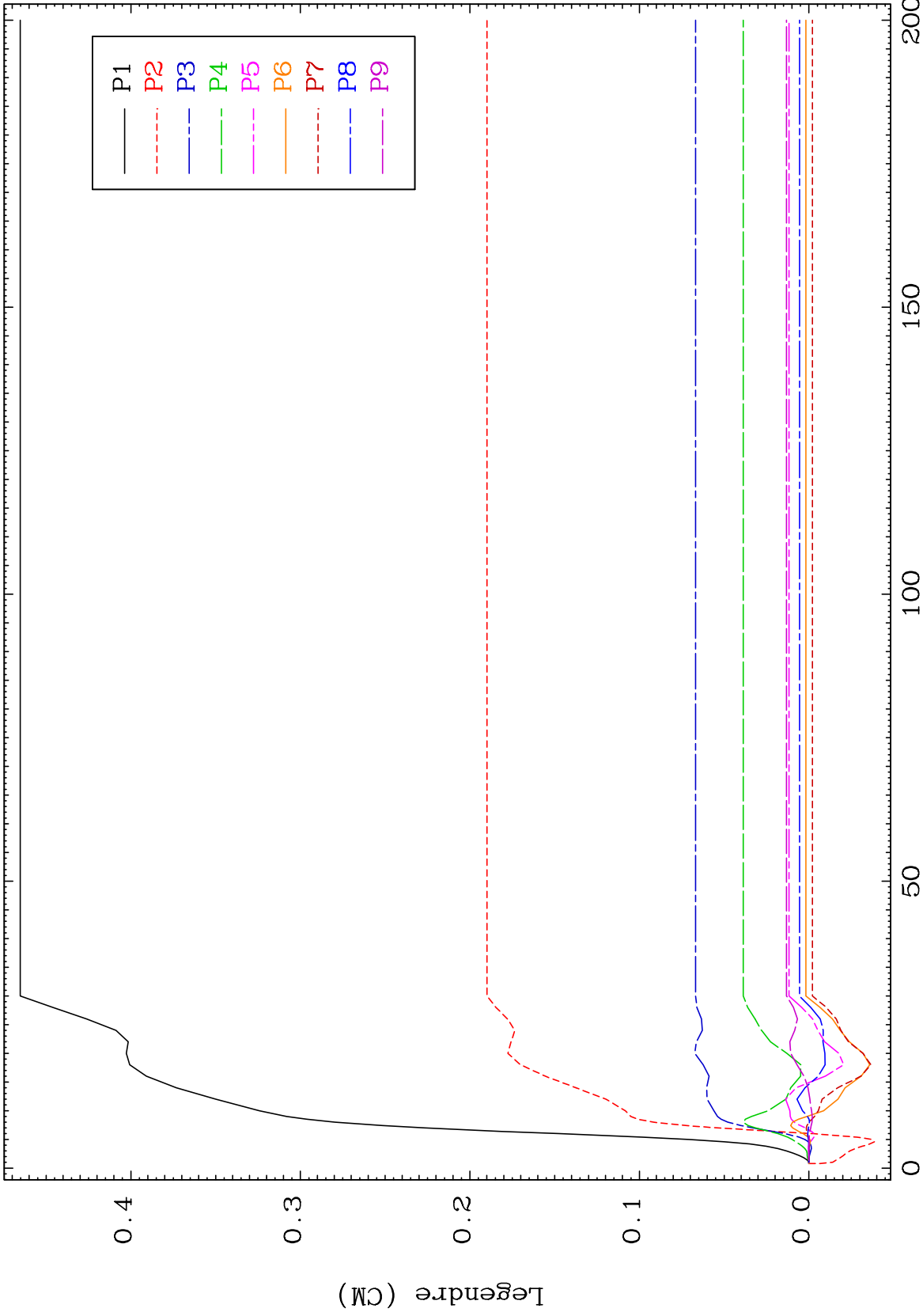
Incident Energy (MeV)

115

MAT 5410

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

54-Xe-119



116

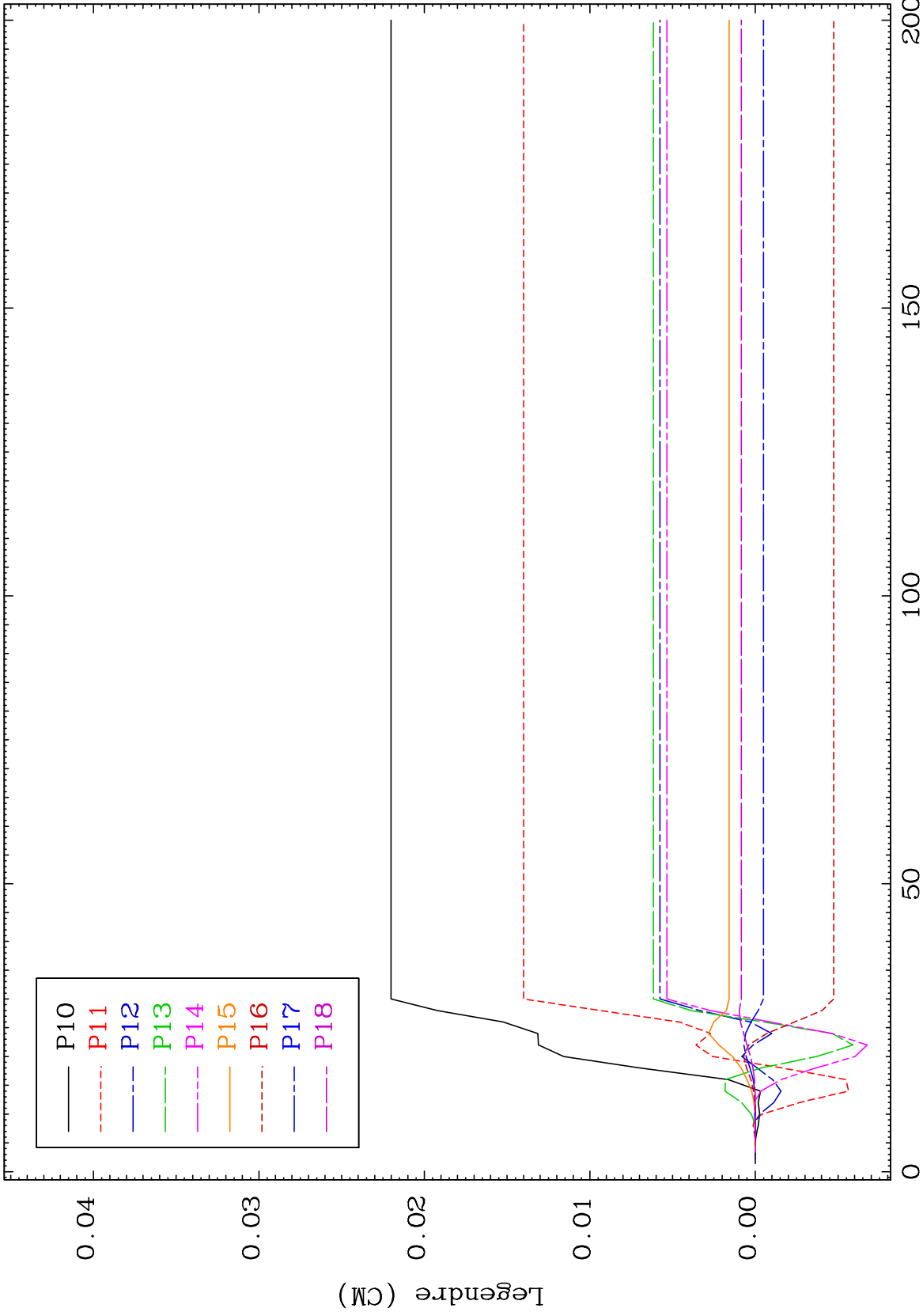
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119



117

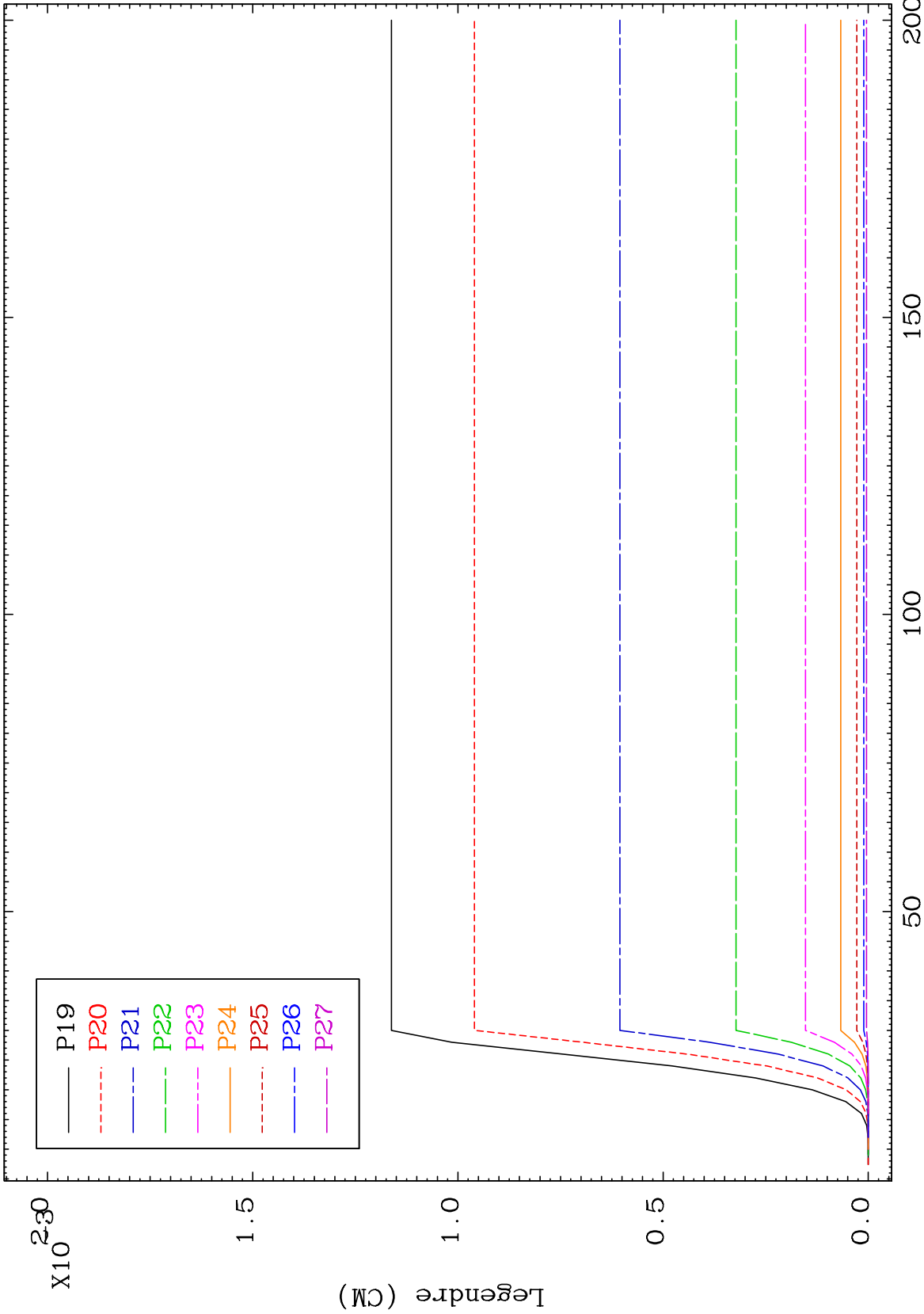
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119



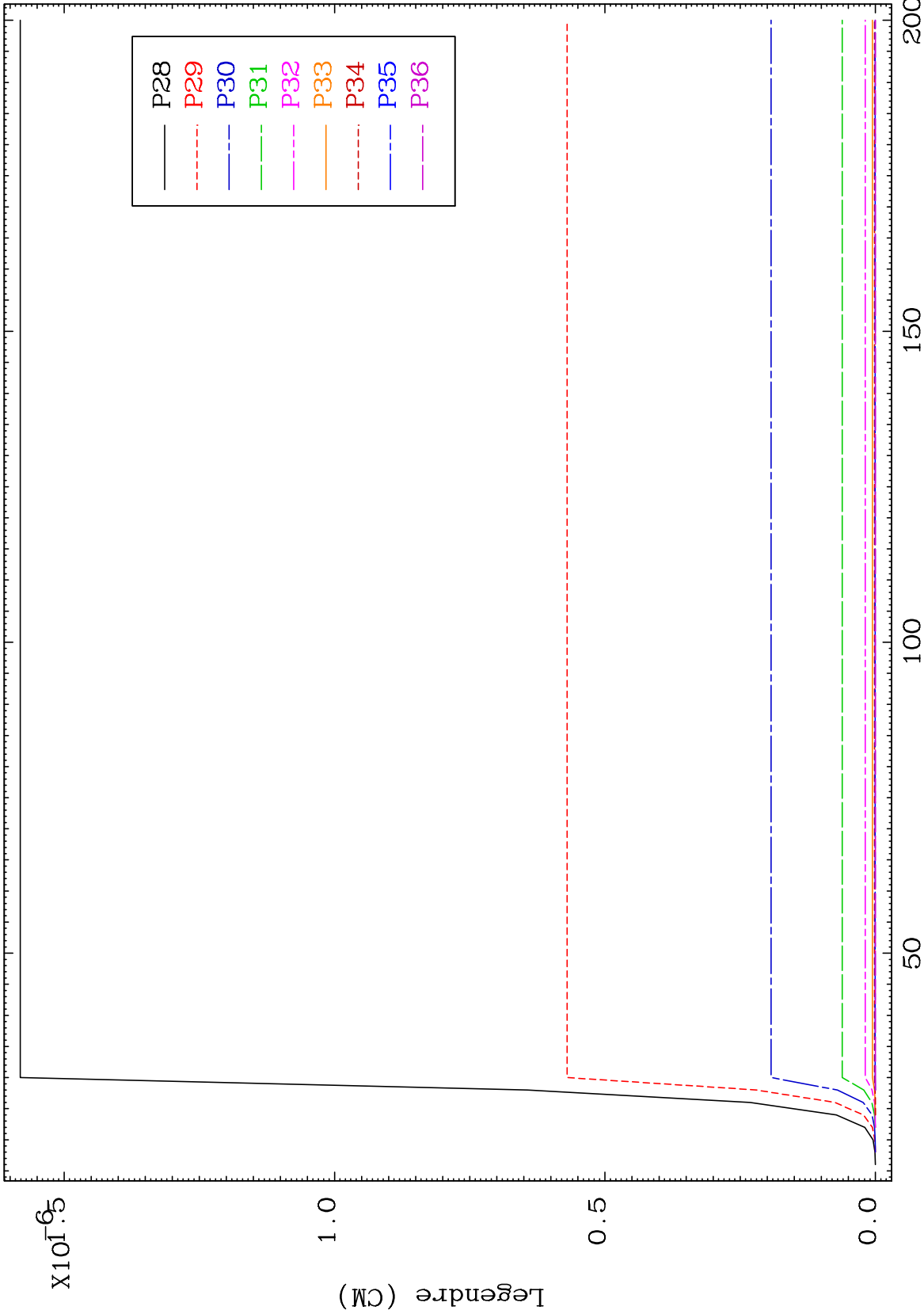
118

54-Xe-119

MAT 5410

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

54-Xe-119



119

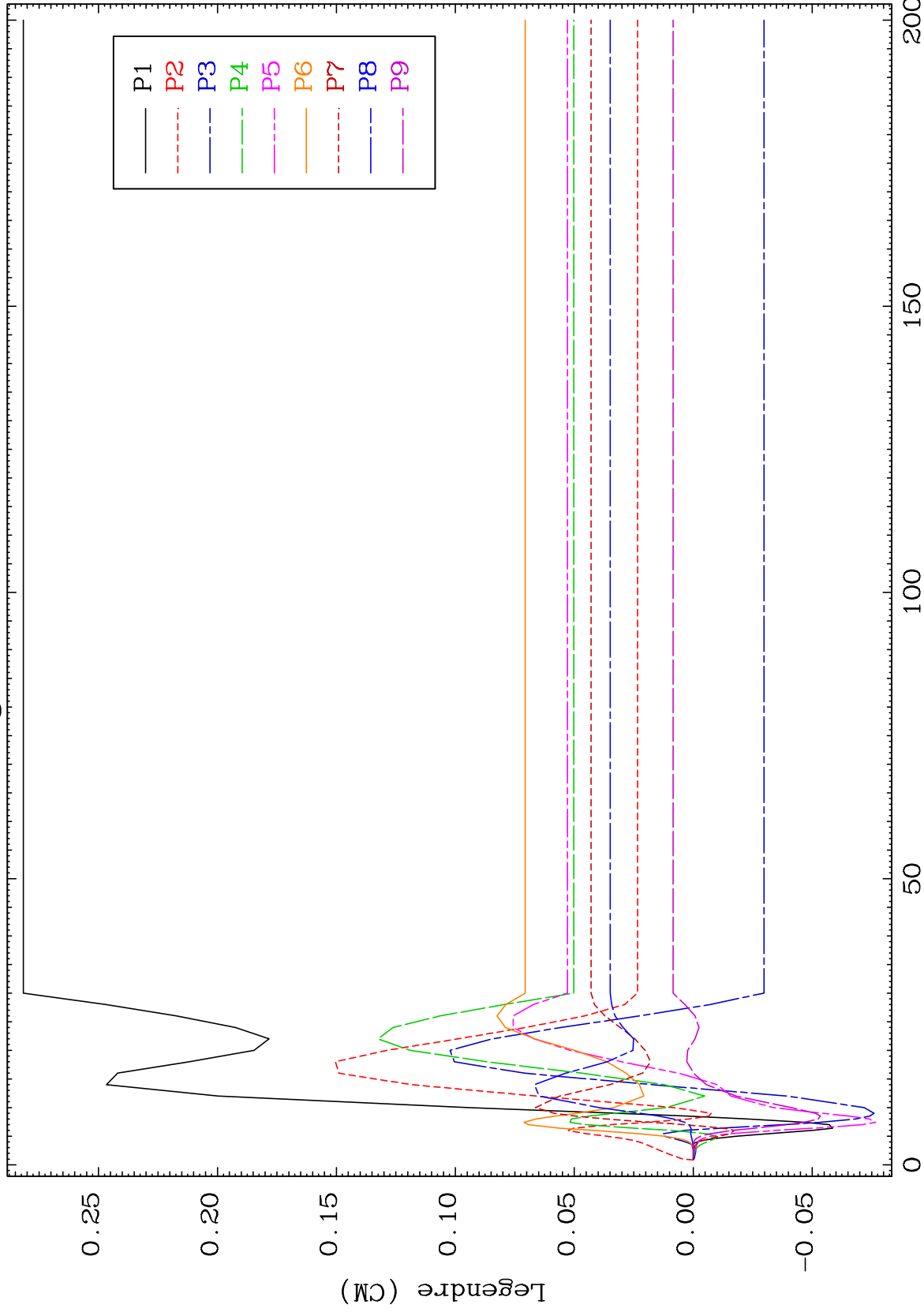
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119



54-Xe-119

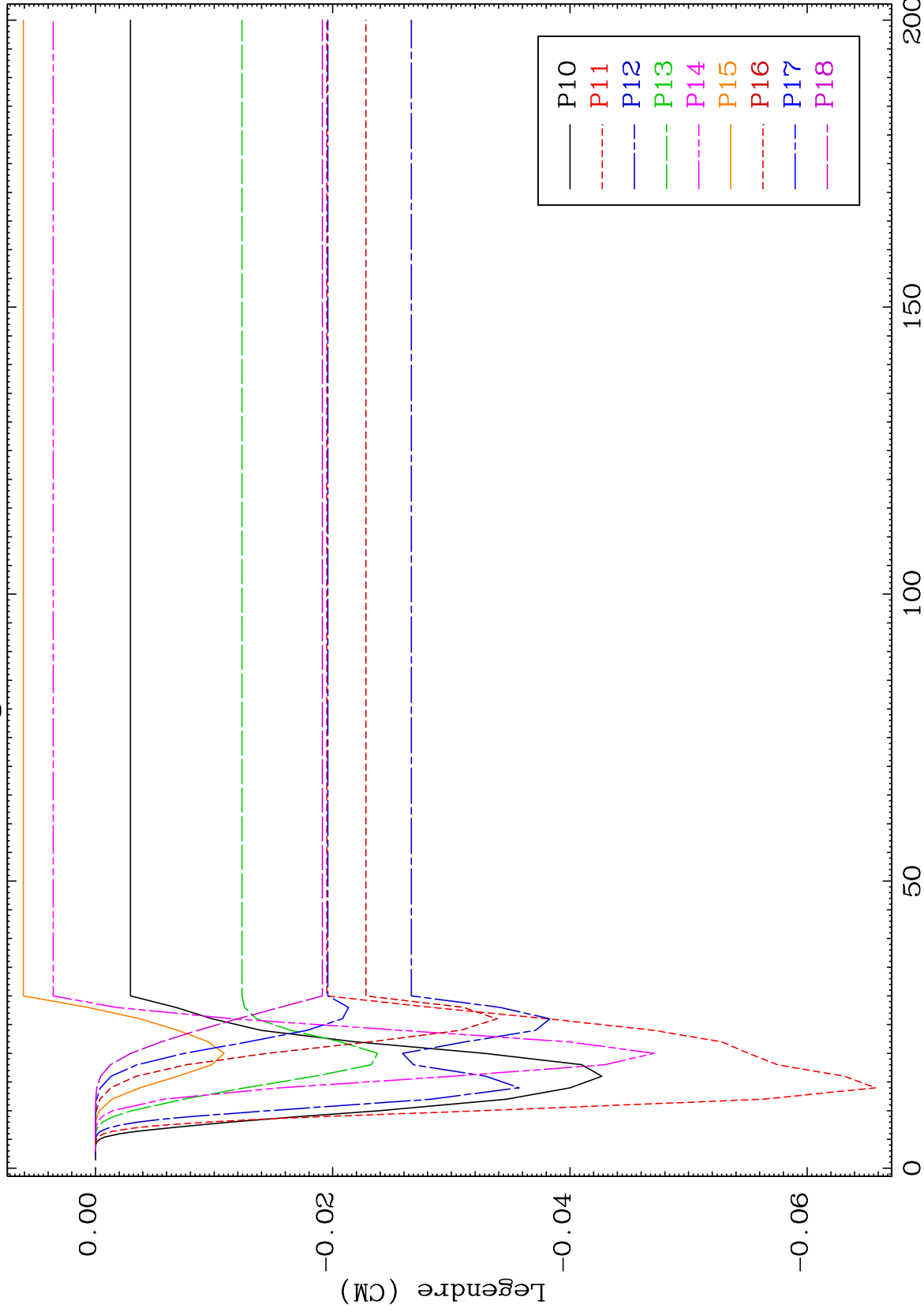
Incident Energy (MeV)

120

MAT 5410

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

54-Xe-119

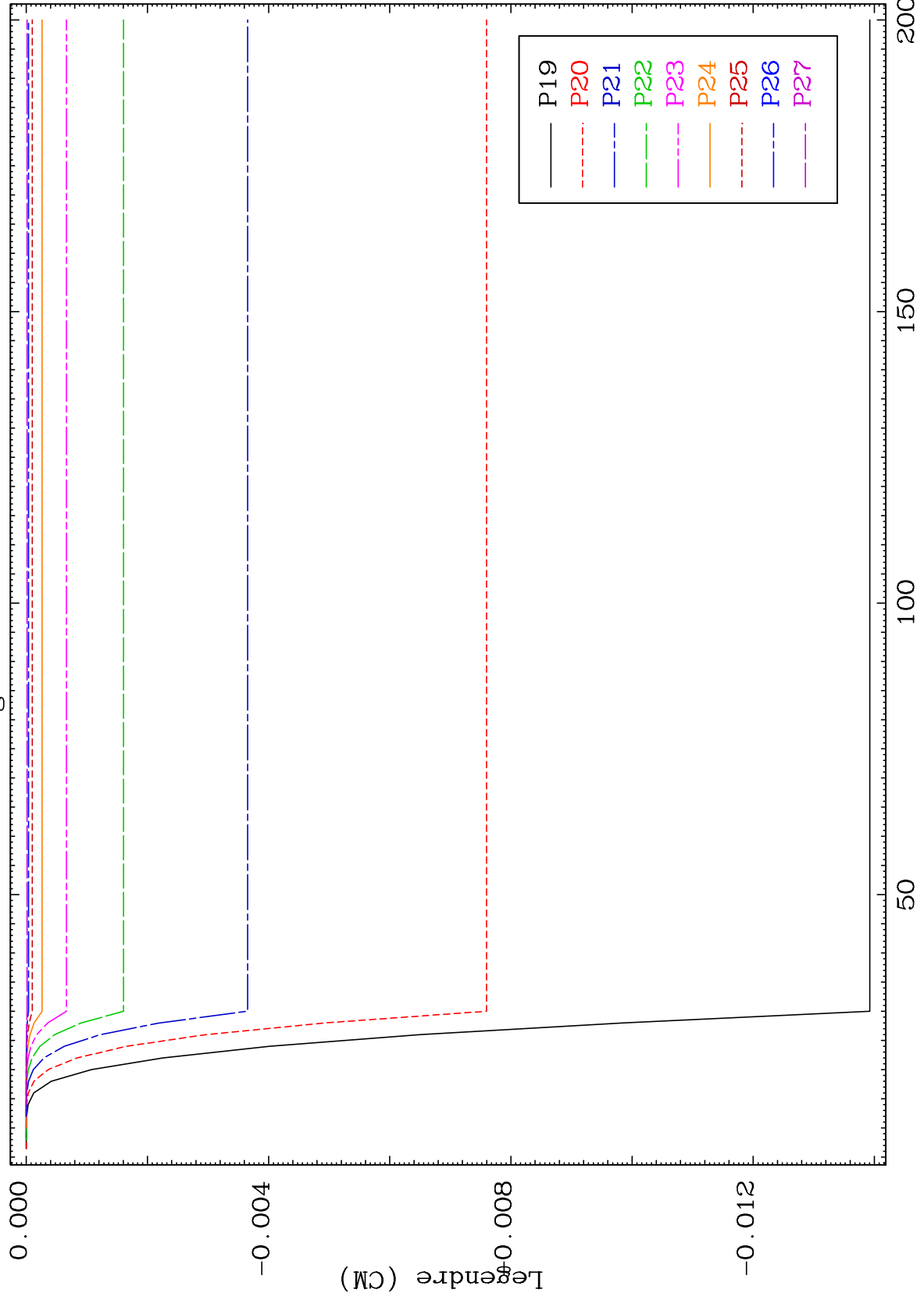


121

Incident Energy (MeV)

54-Xe-119

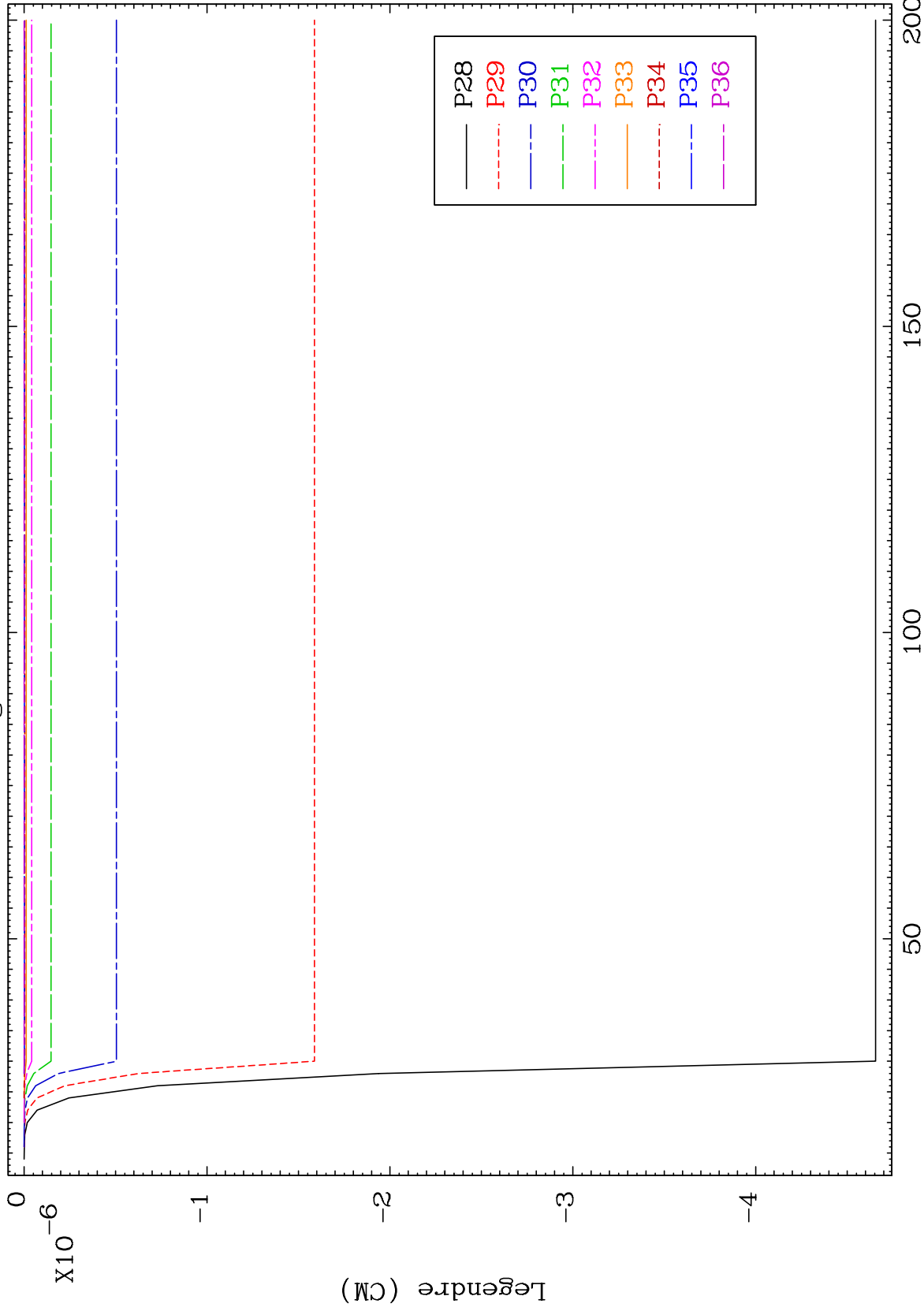
MAT 5410 MT= 76 (n,n') Level Legendre Coefficients 54-Xe-119



MAT 5410

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

54-Xe-119



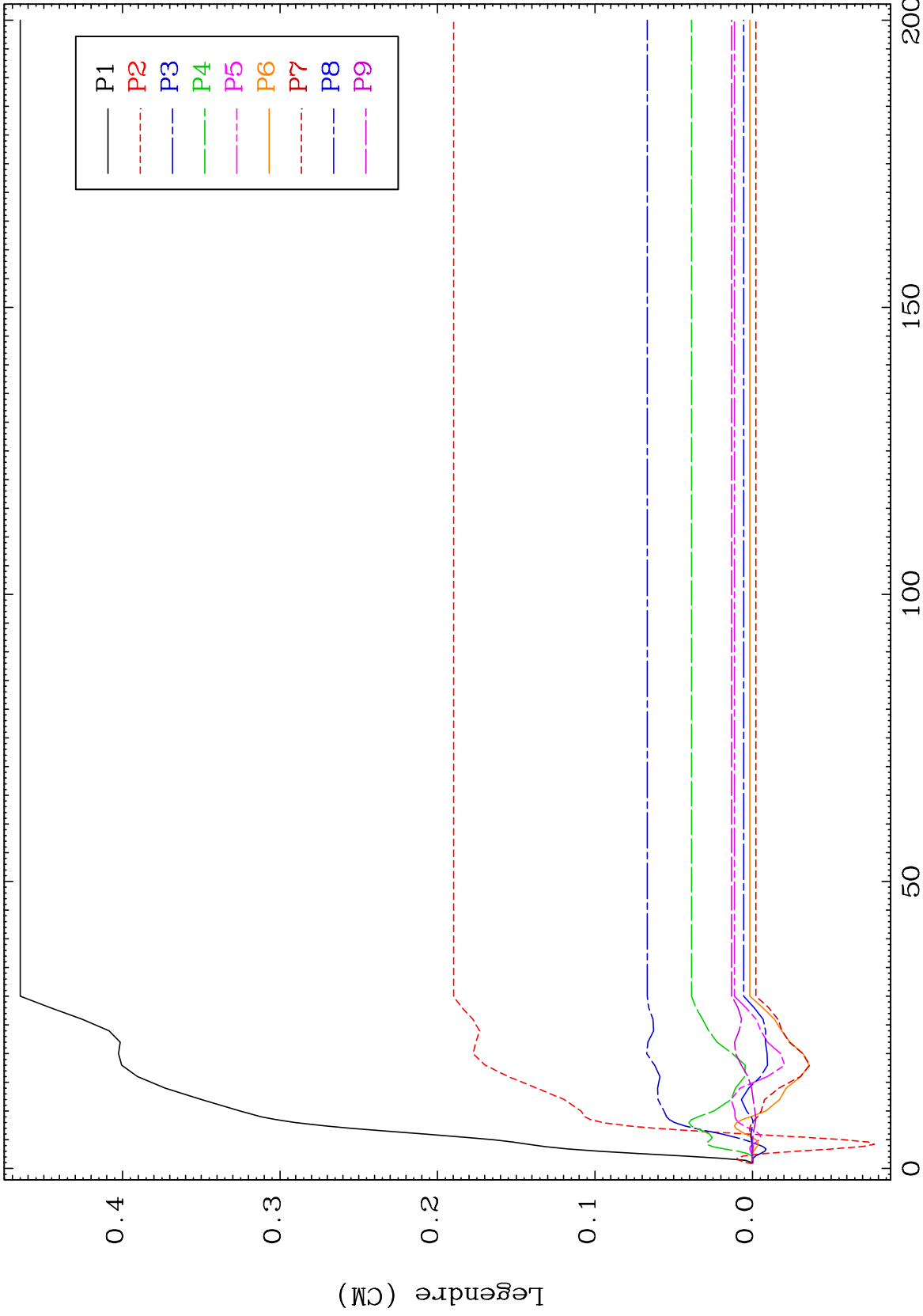
123

54-Xe-119

MAT 5410

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

54-Xe-119



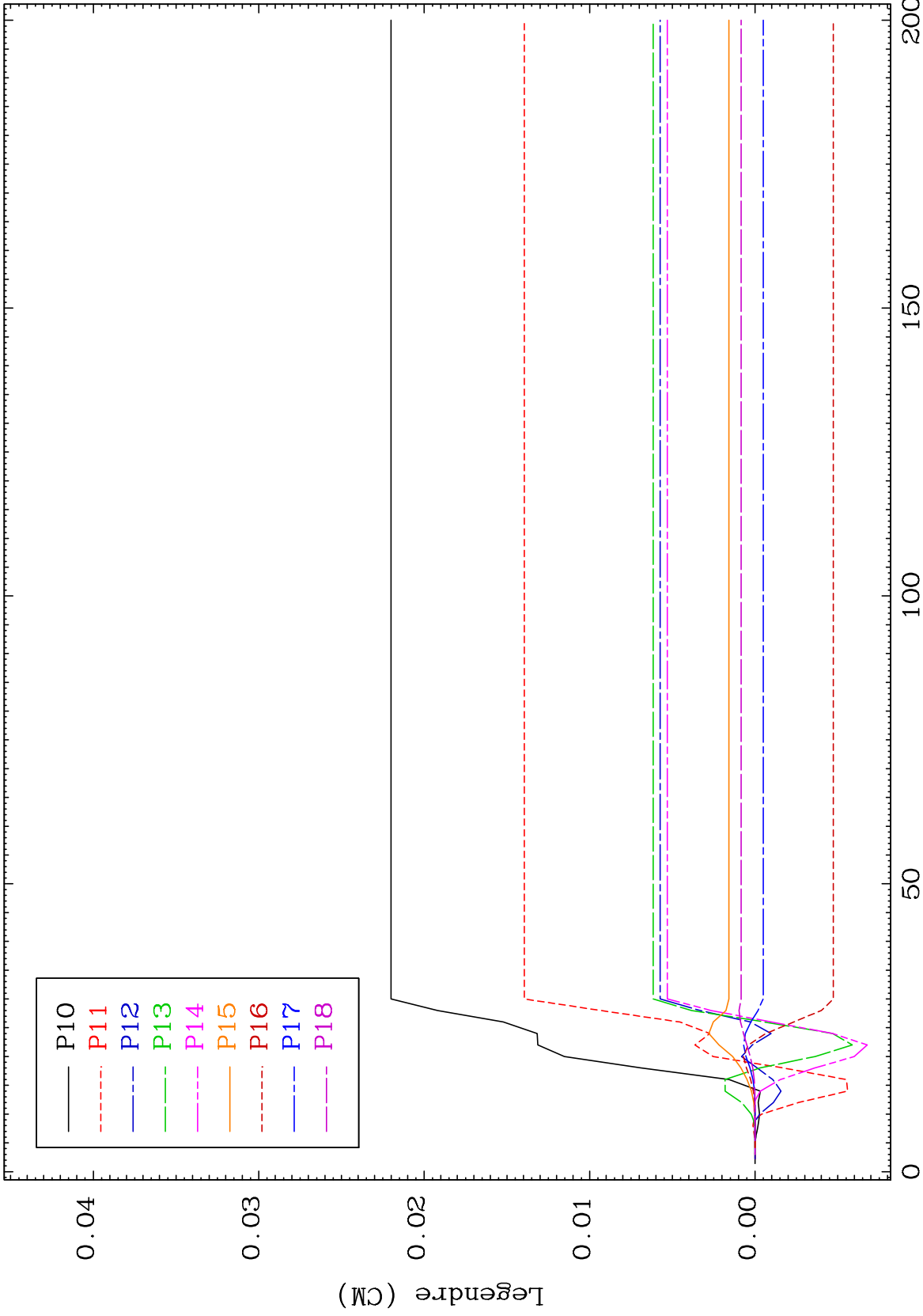
54-Xe-119

124

MAT 5410

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

54-Xe-119



125

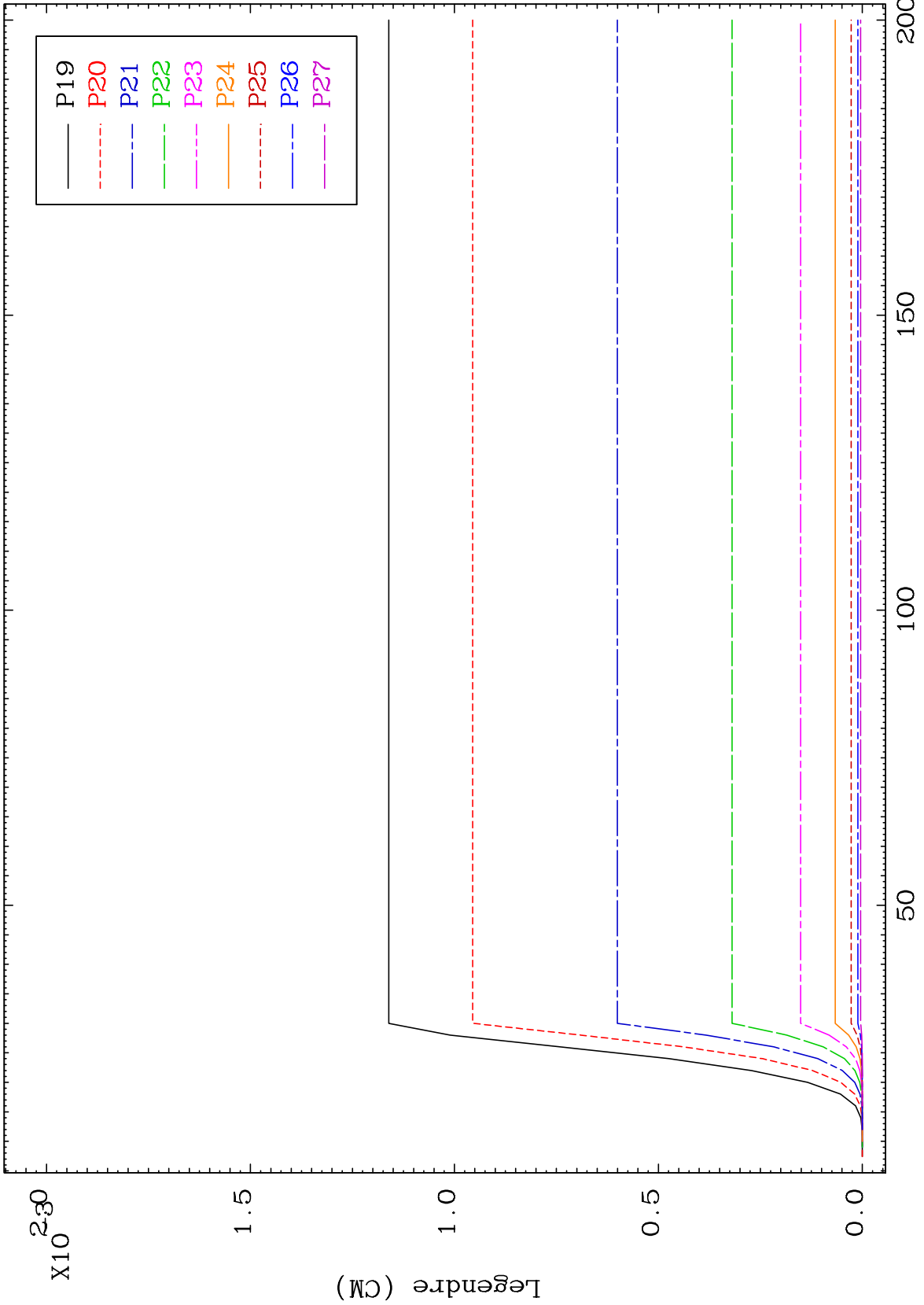
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119



126

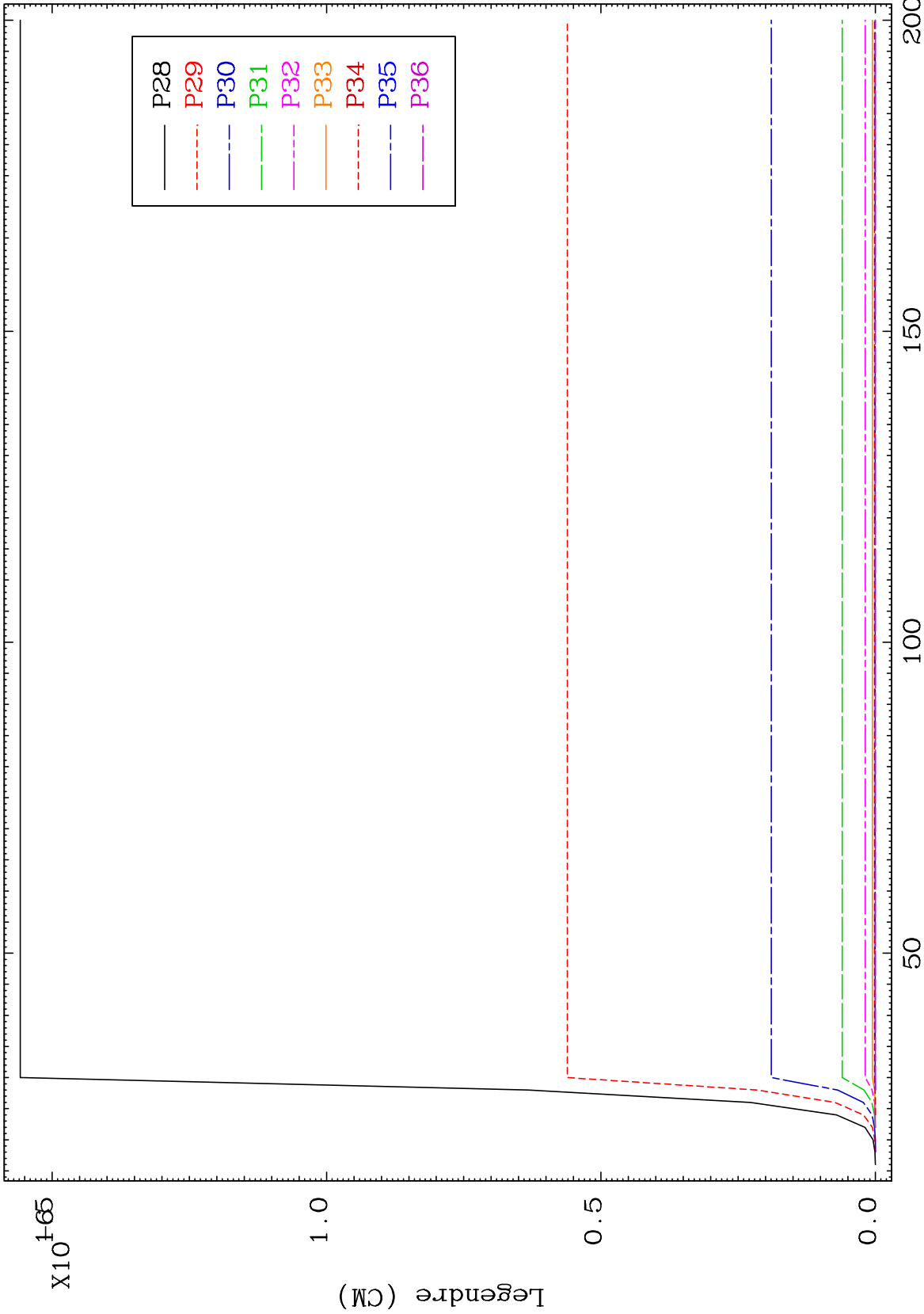
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119



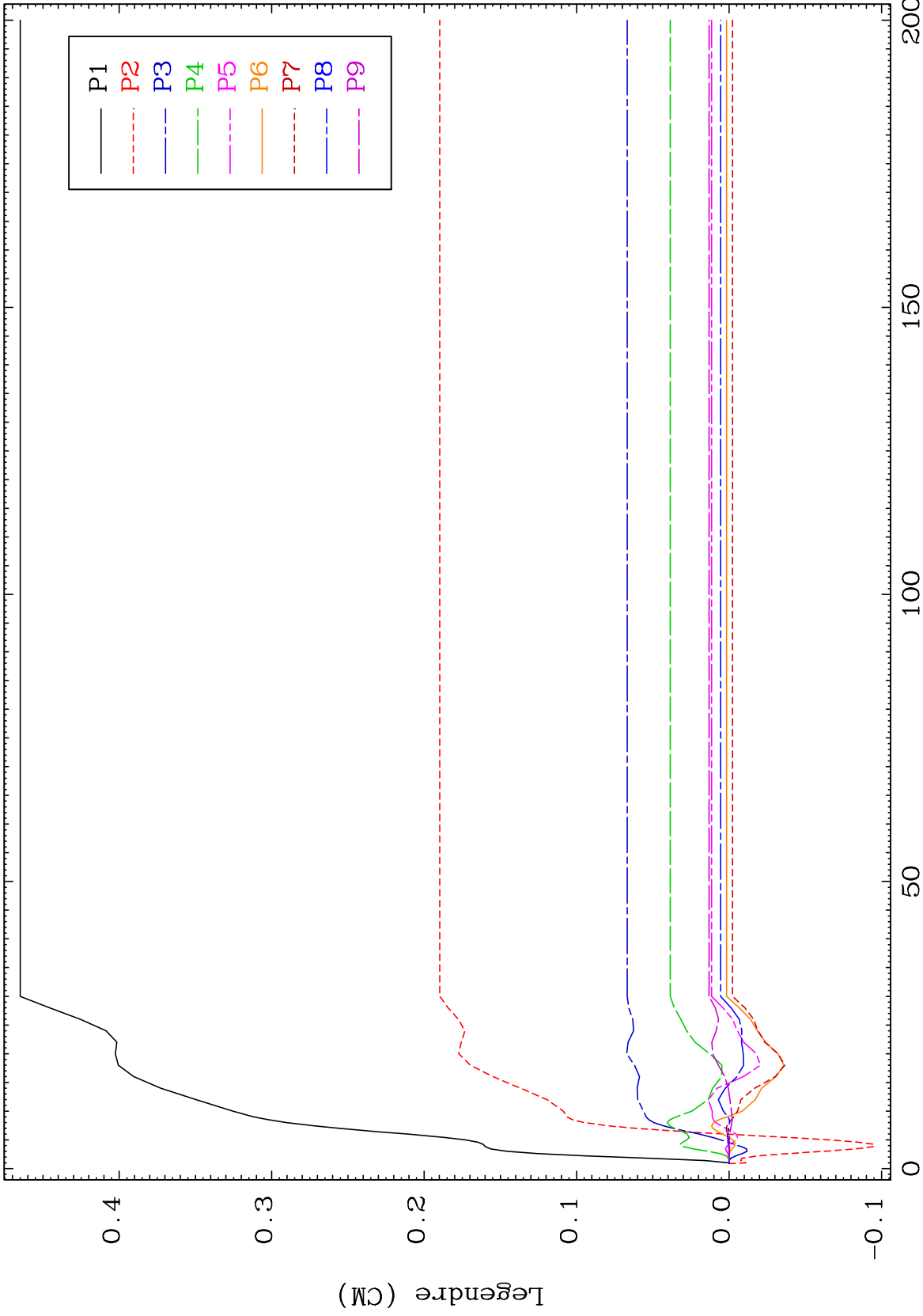
127

54-Xe-119

MAT 5410

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

54-Xe-119



54-Xe-119

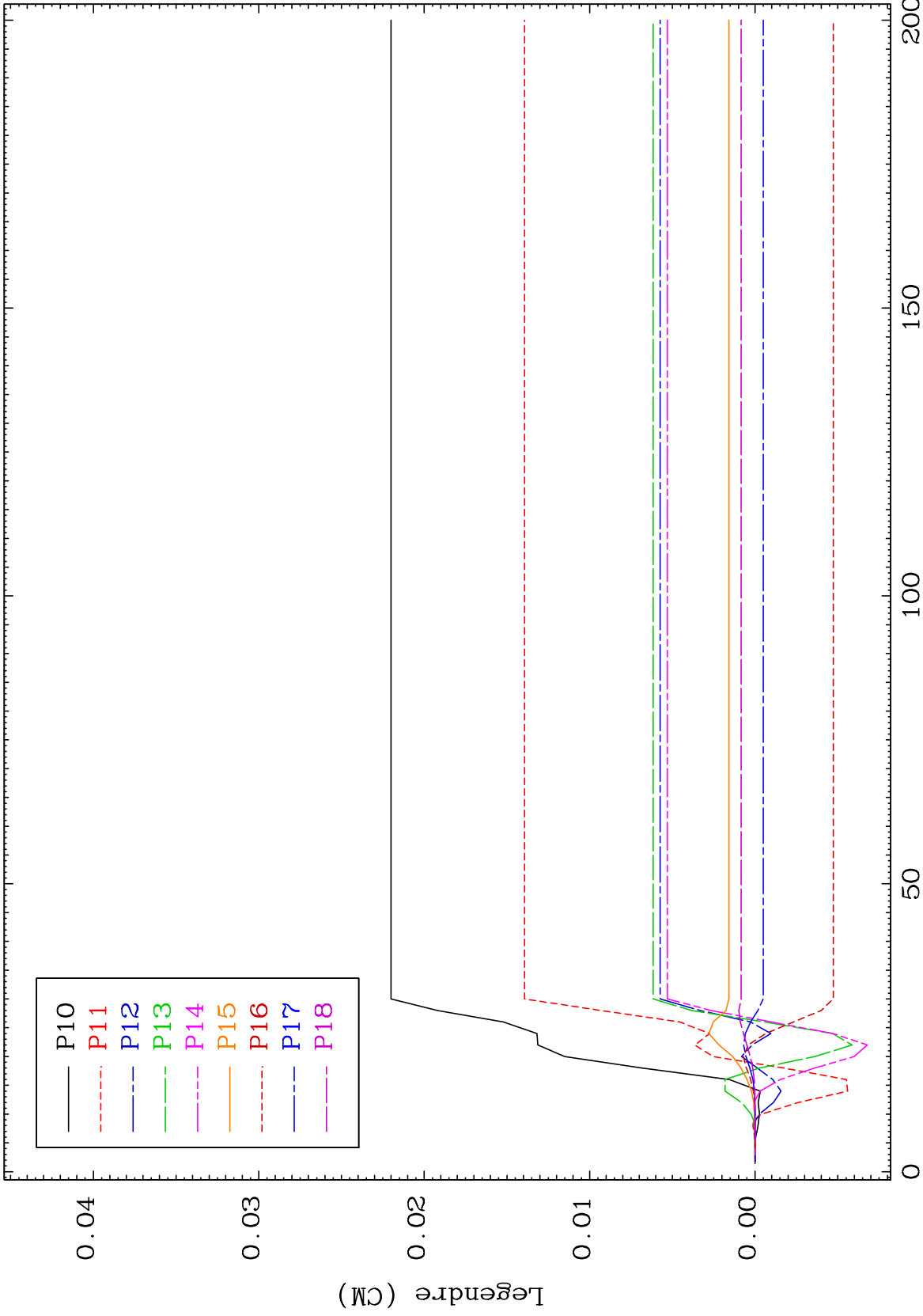
Incident Energy (MeV)

128

MAT 5410

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

54-Xe-119



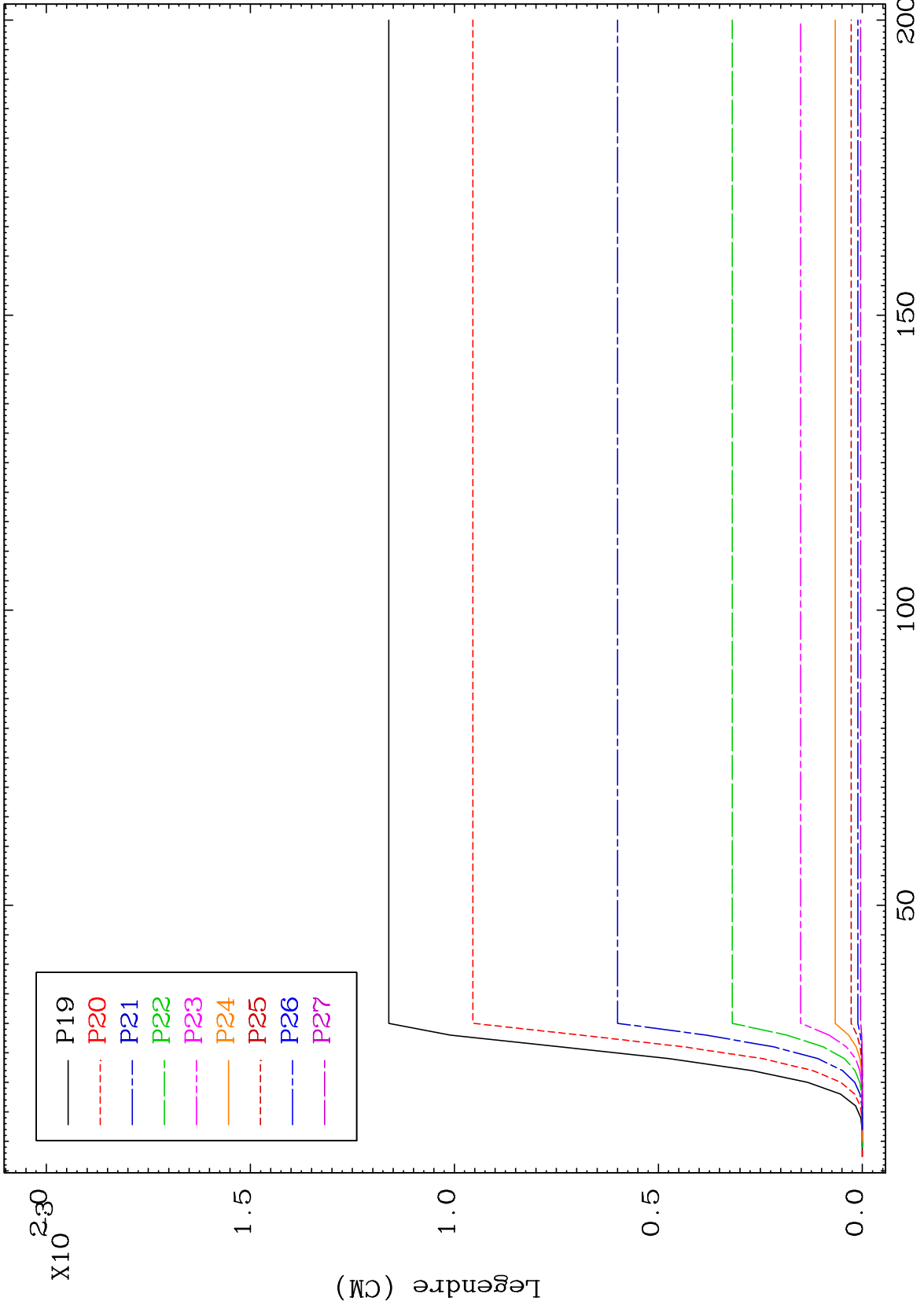
129

54-Xe-119

MAT 5410

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

54-Xe-119



130

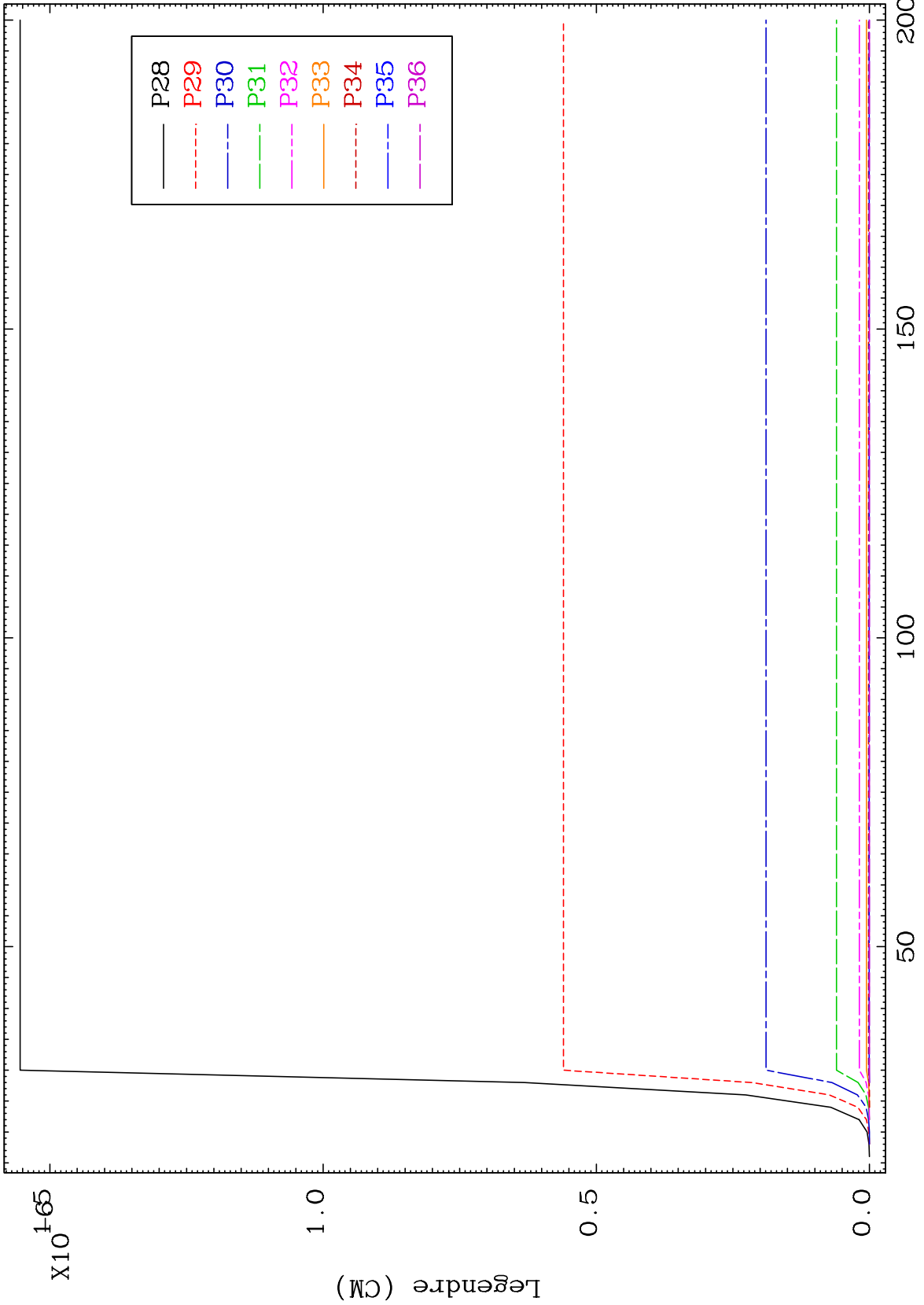
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119



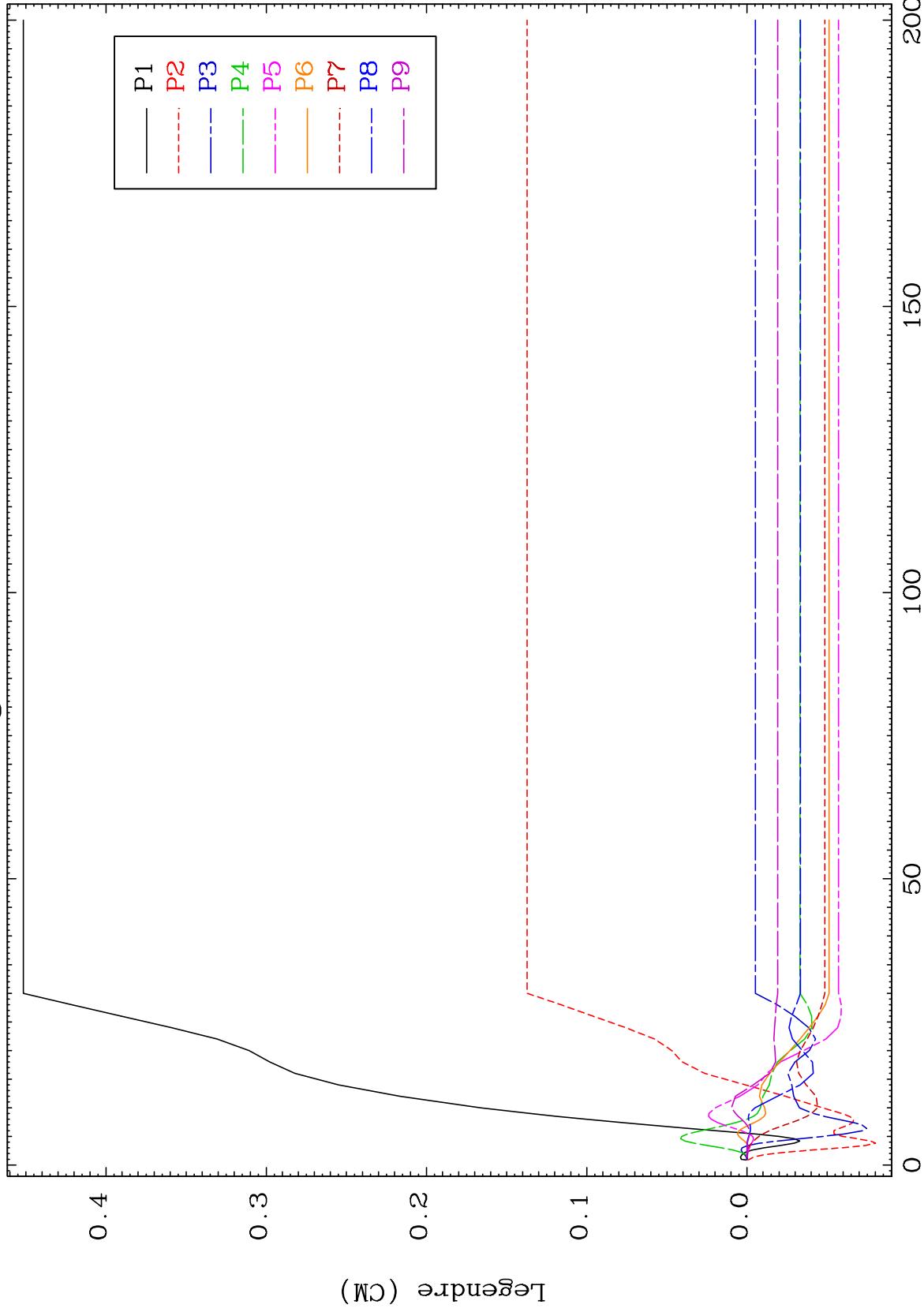
131

54-Xe-119

MAT 5410

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

54-Xe-119



132

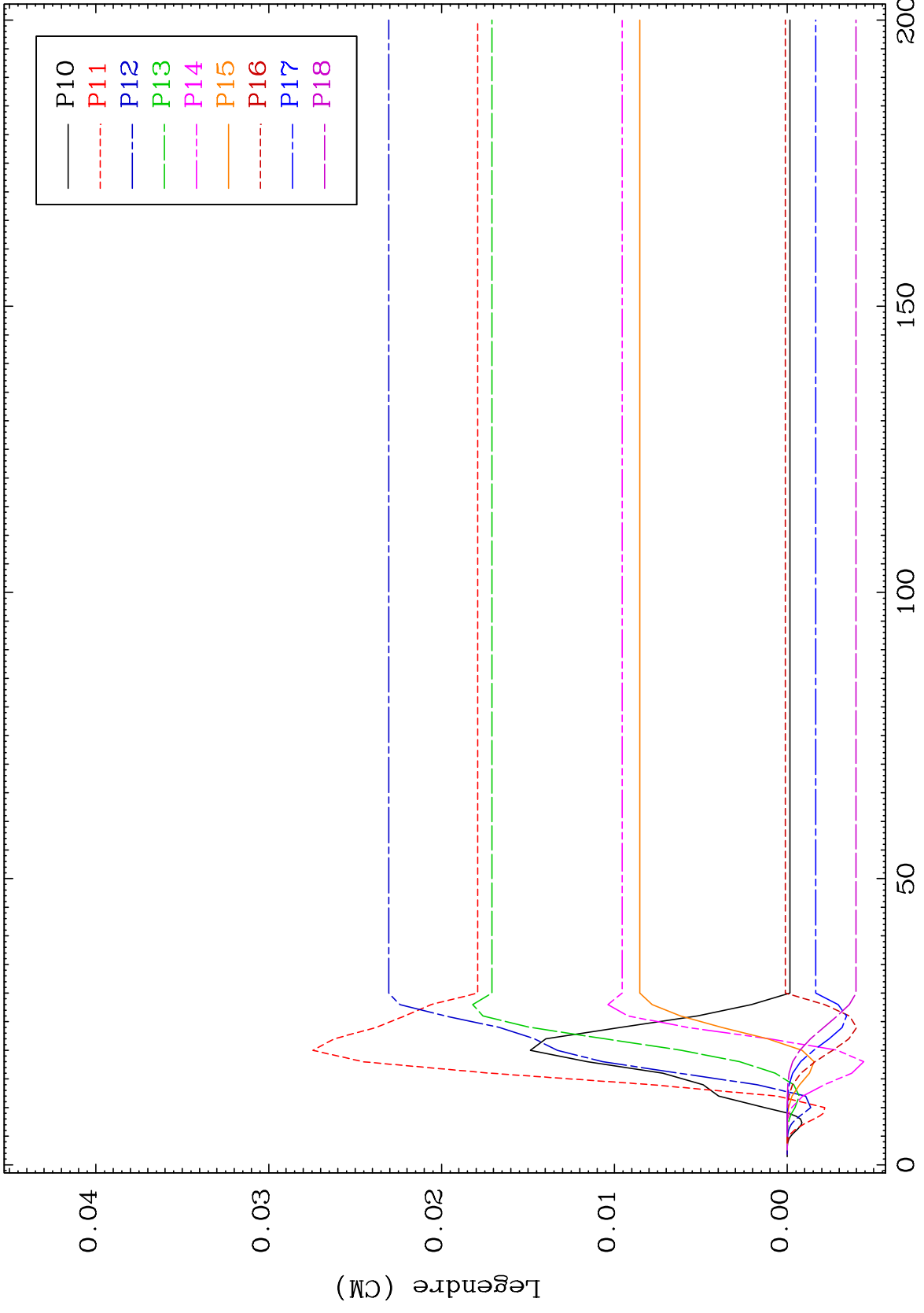
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119



133

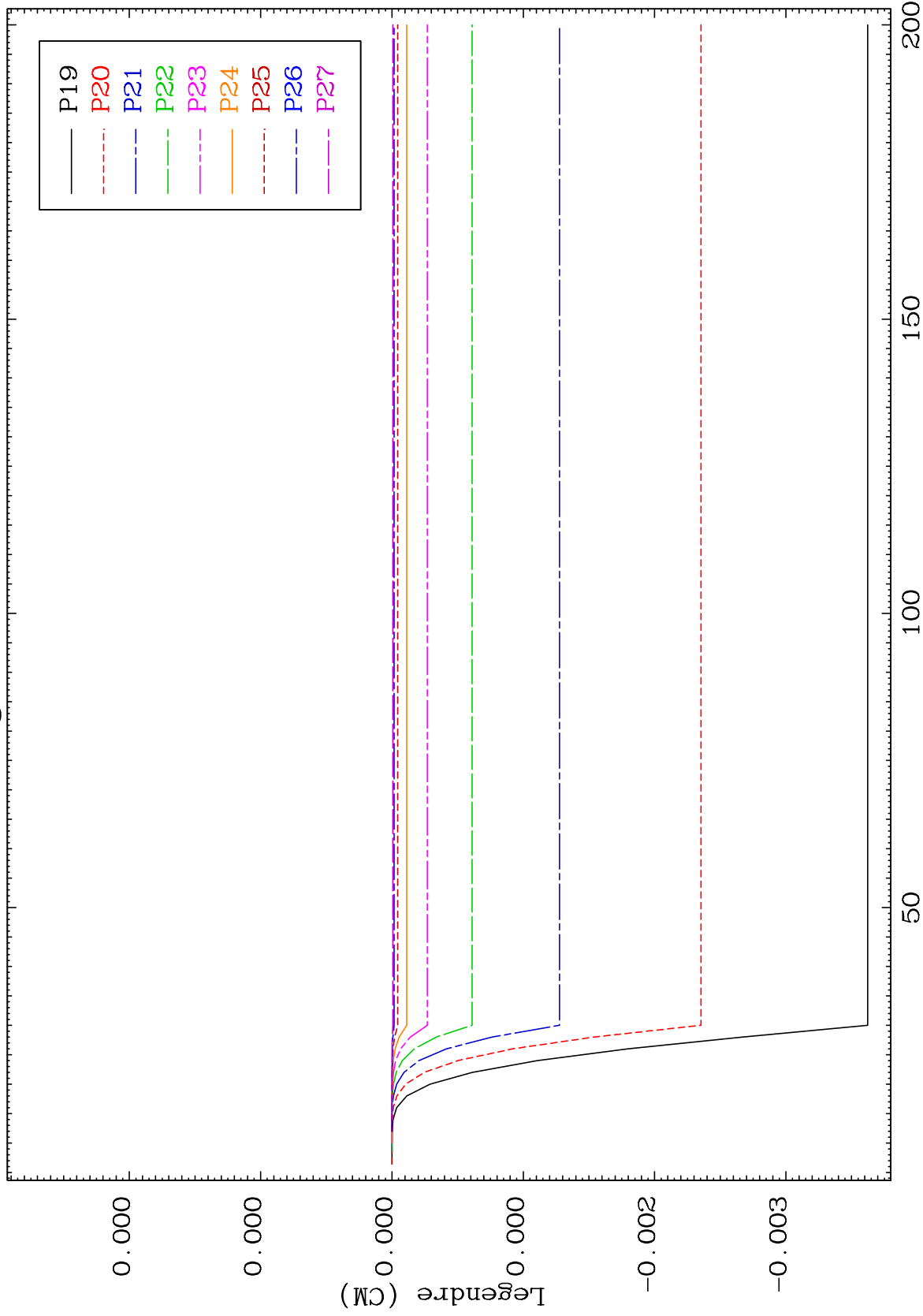
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119



134

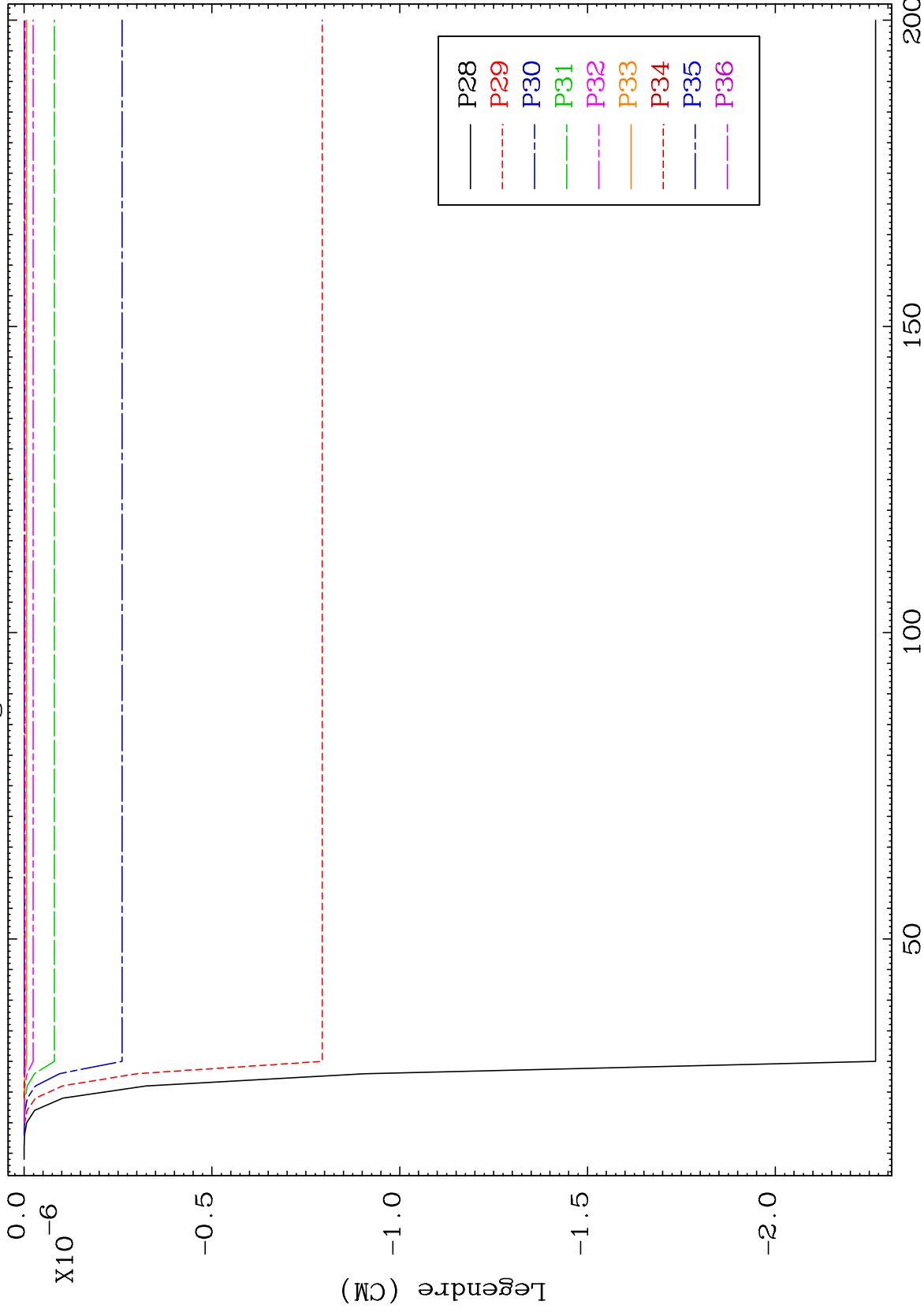
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119



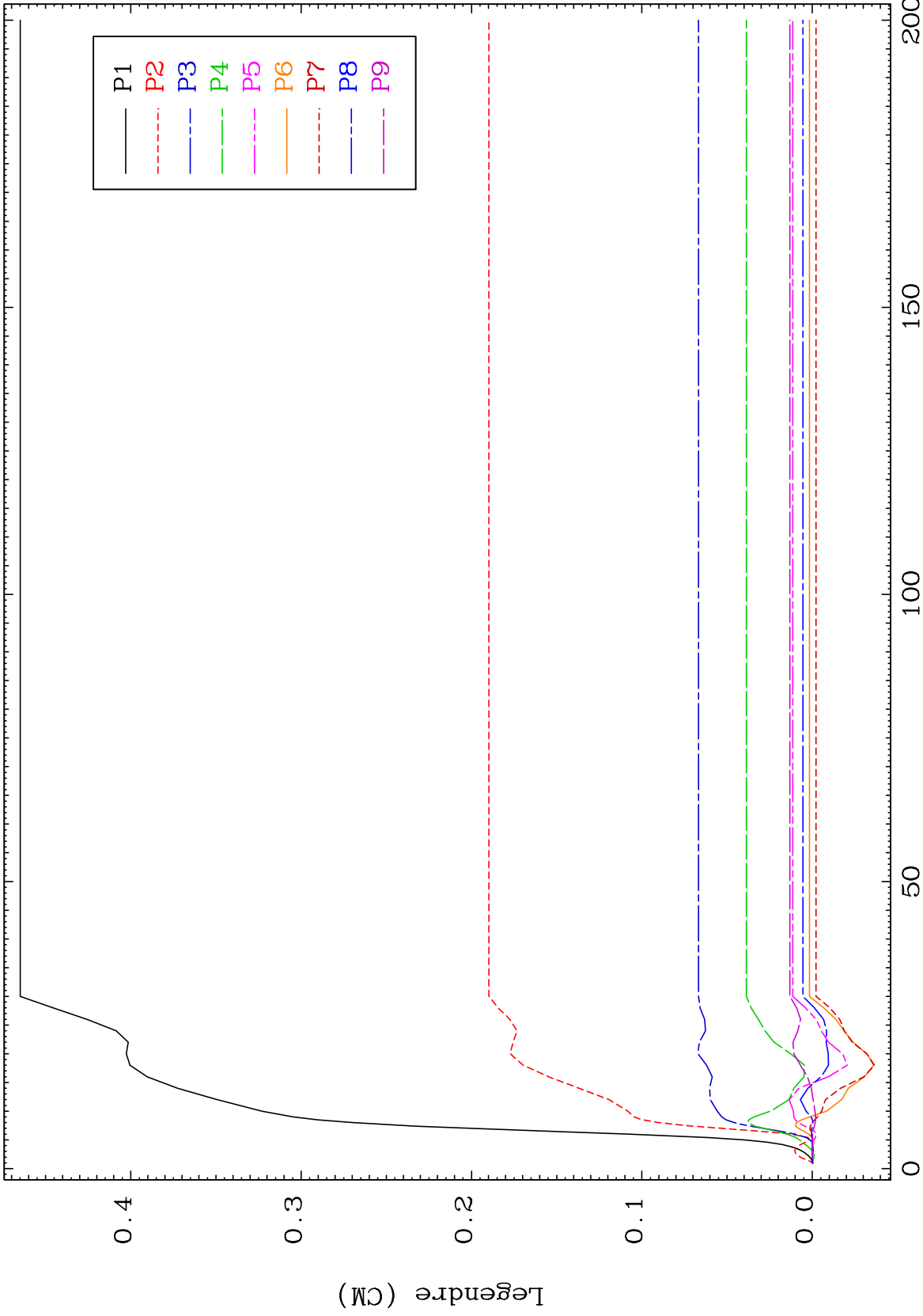
135

54-Xe-119

MAT 5410

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

54-Xe-119



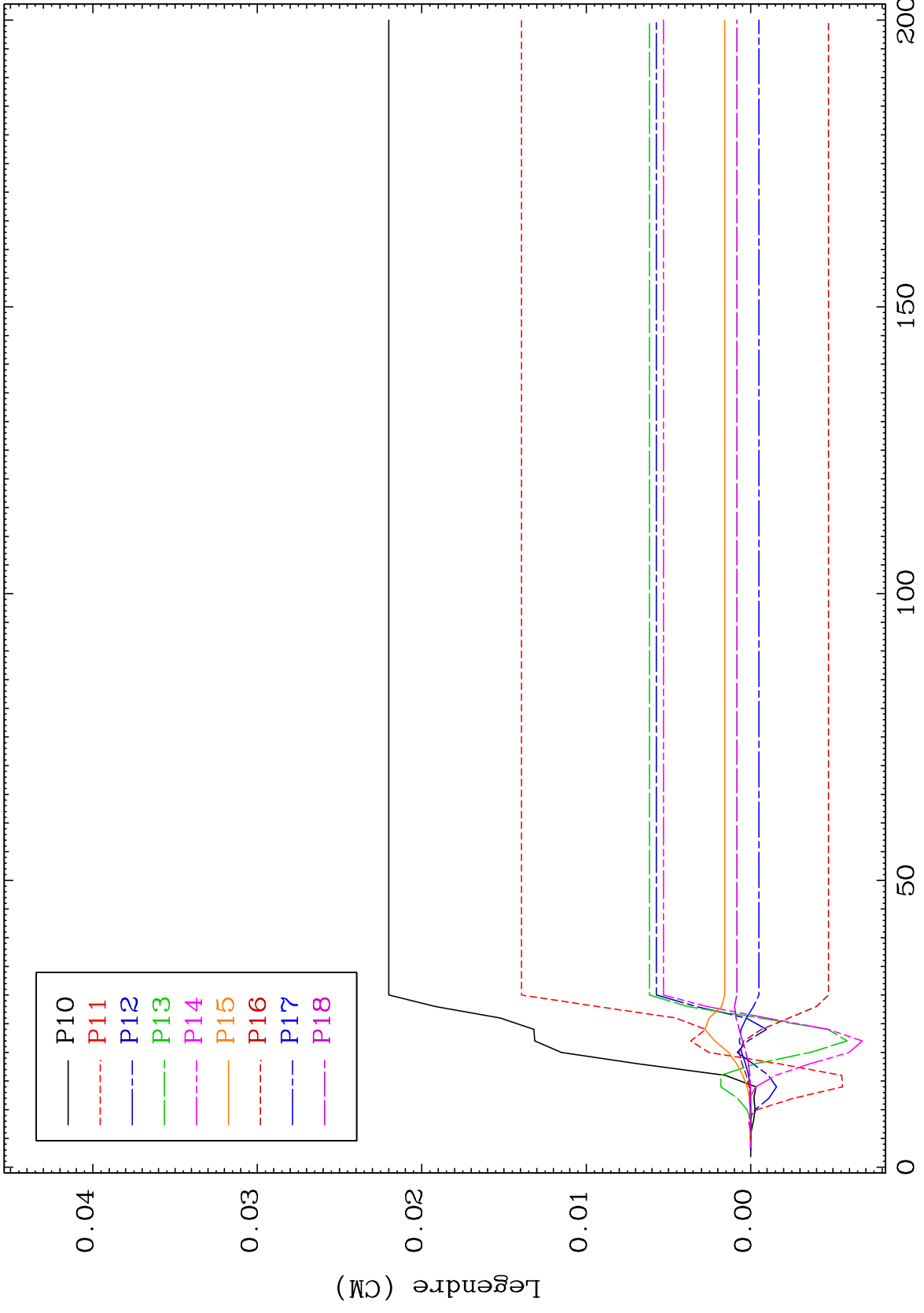
136

54-Xe-119

MAT 5410

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

54-Xe-119



137

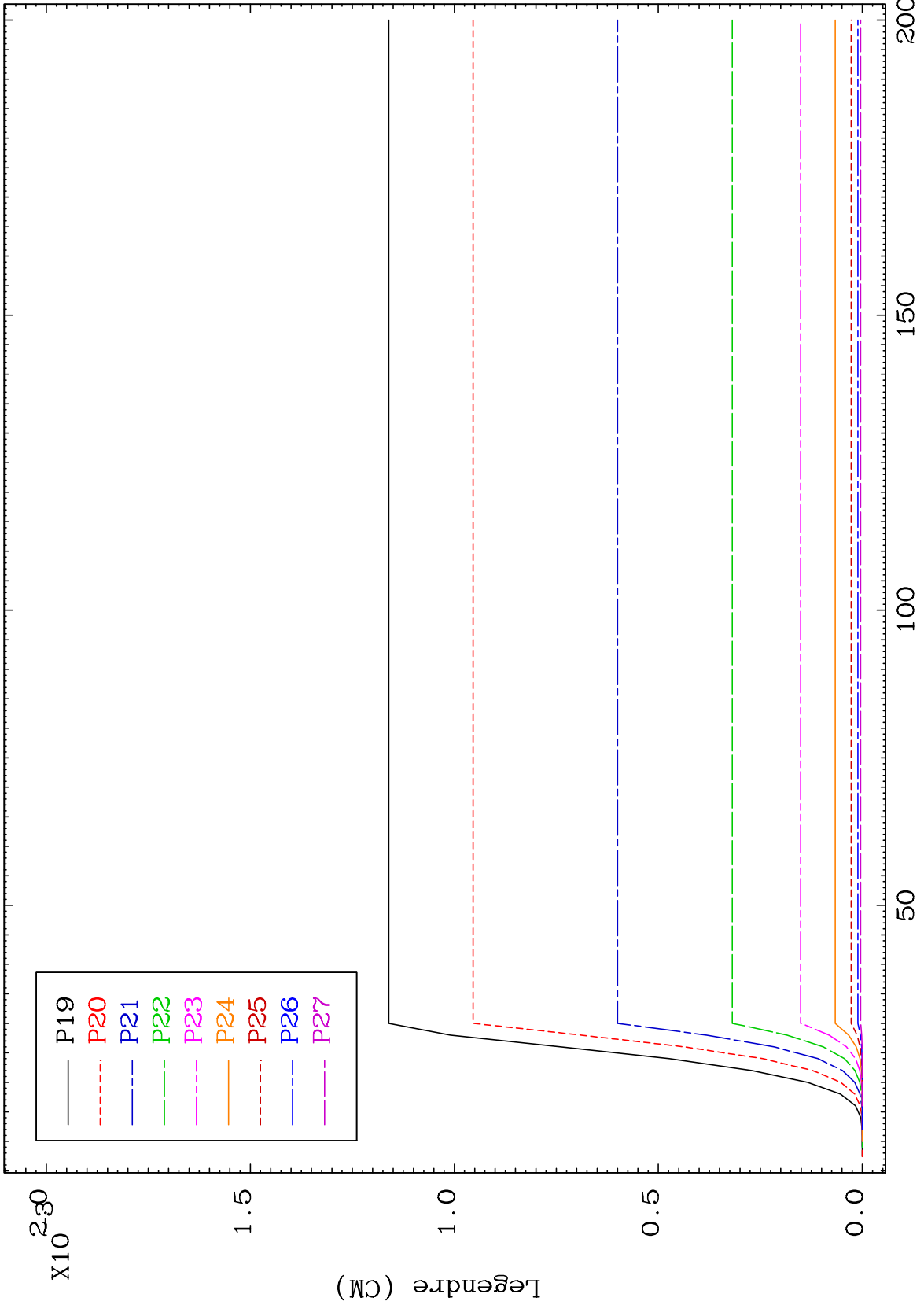
Incident Energy (MeV)

54-Xe-119

MAT 5410

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

54-Xe-119



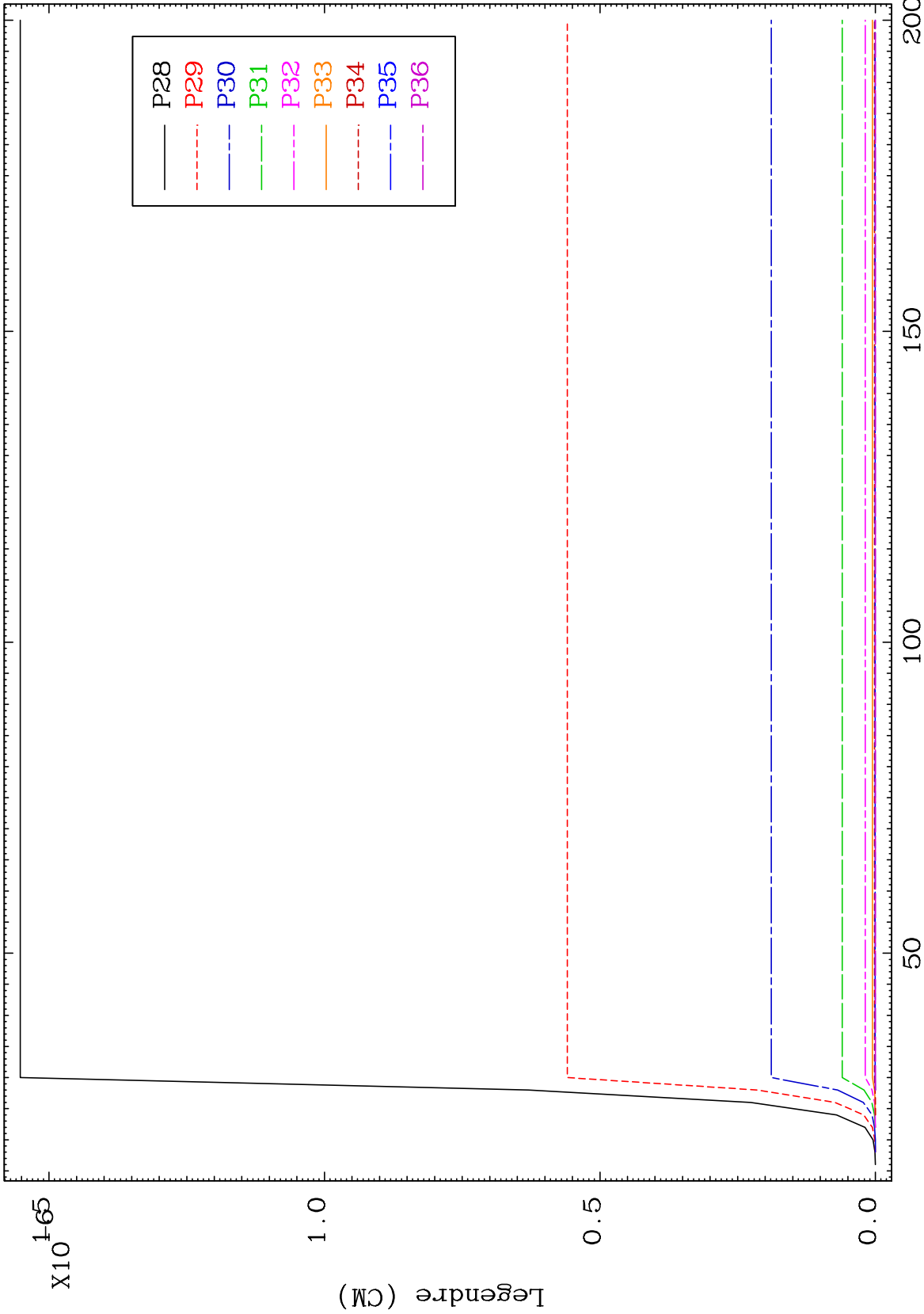
138

54-Xe-119

MAT 5410

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

54-Xe-119



139

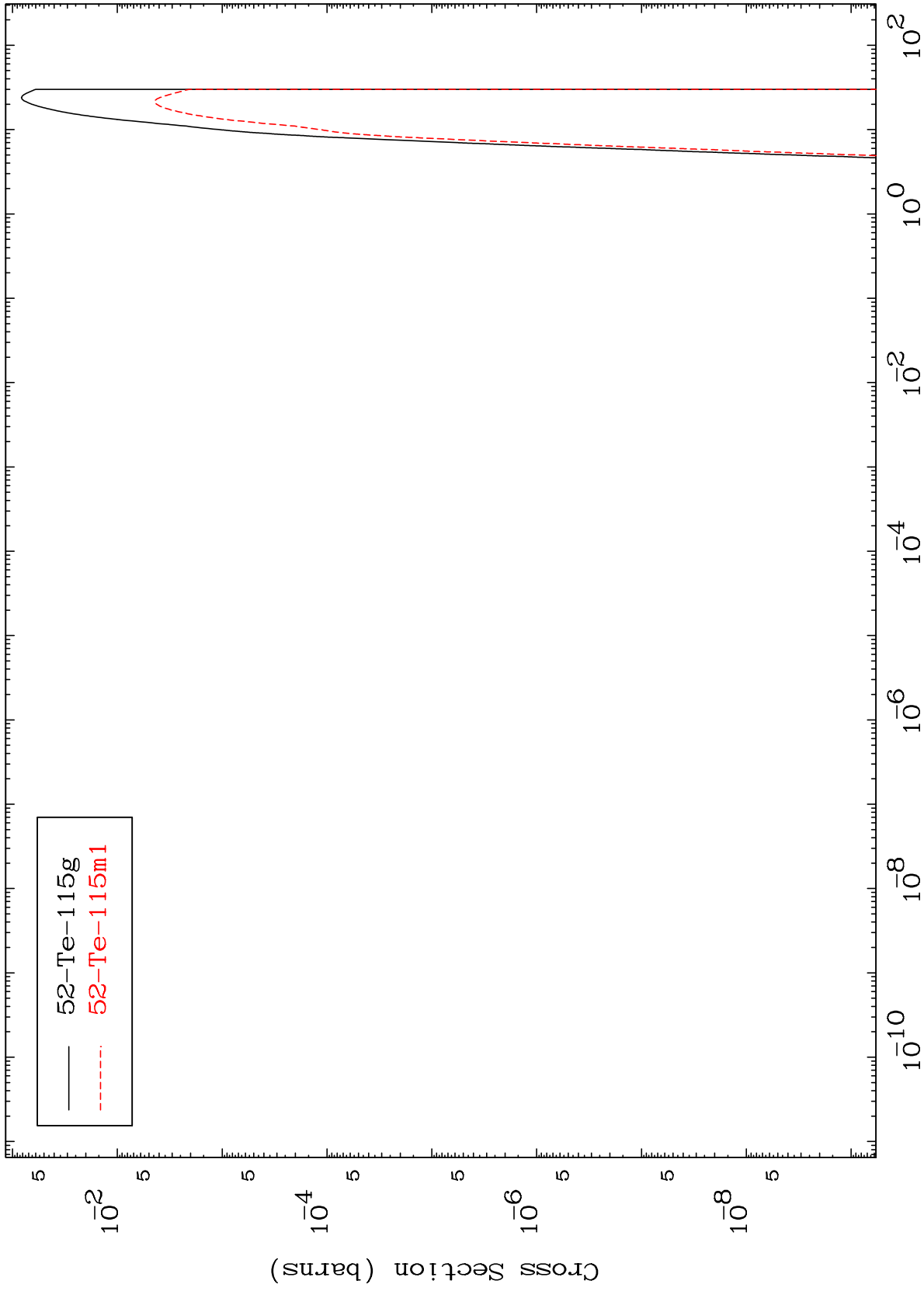
54-Xe-119

MAT 5410

(n,n') α

54-Xe-119

Radionuclide Production Cross Section



140

Incident Energy (MeV)

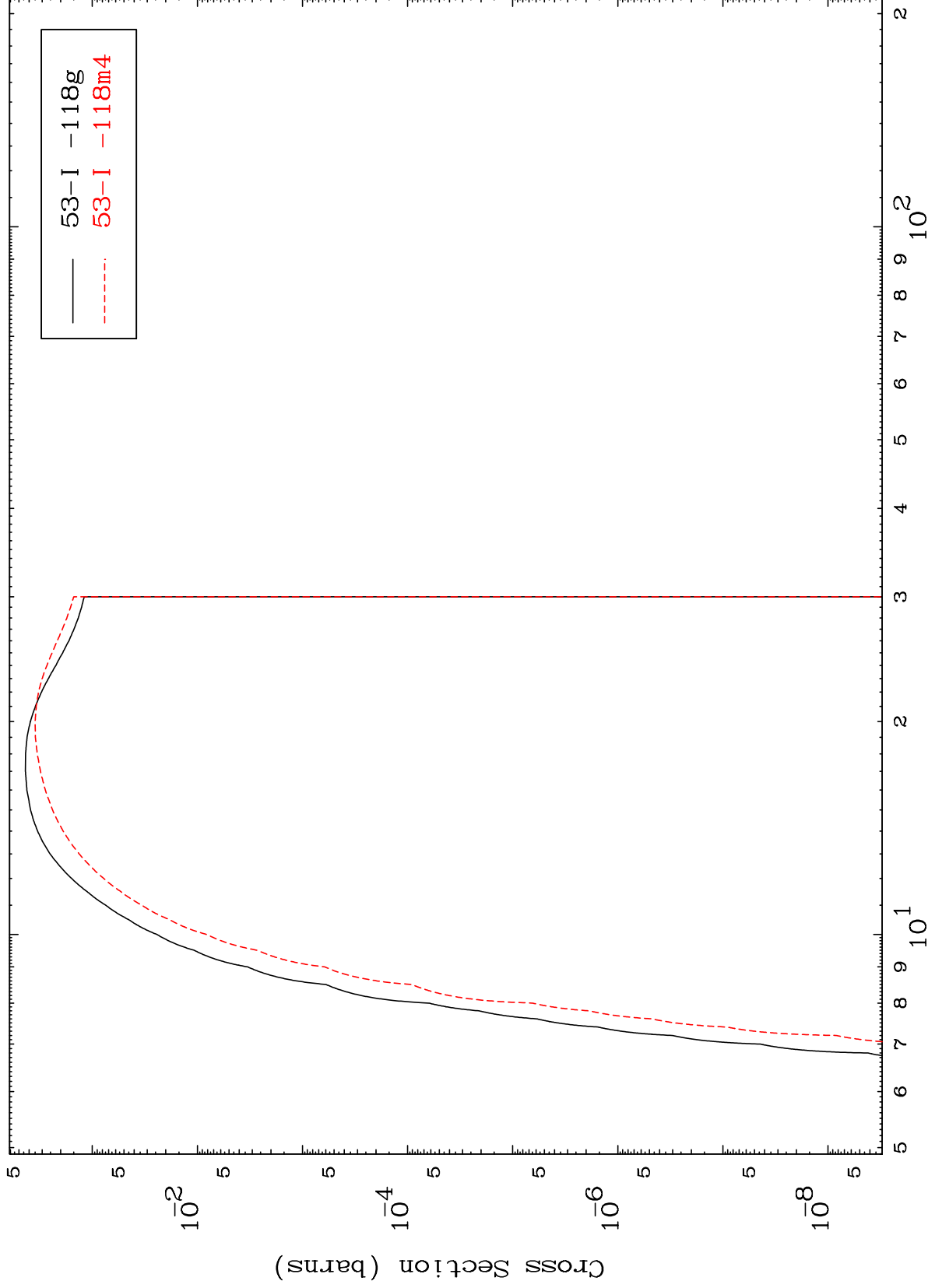
54-Xe-119

MAT 5410

(n,n') p

54-Xe-119

Radionuclide Production Cross Section



141

Incident Energy (MeV)

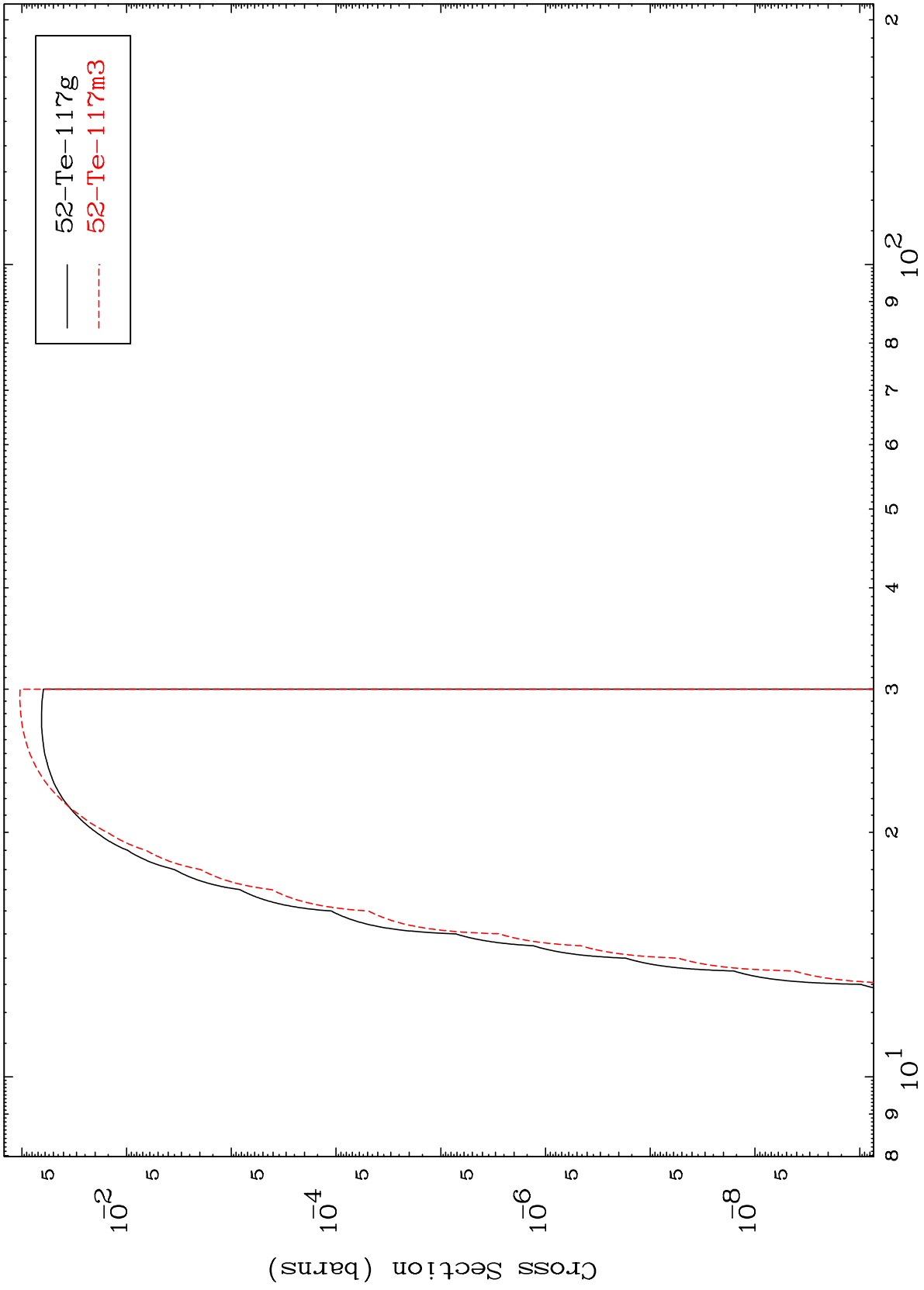
54-Xe-119

MAT 5410

(n,2n) p

54-Xe-119

Radionuclide Production Cross Section



142

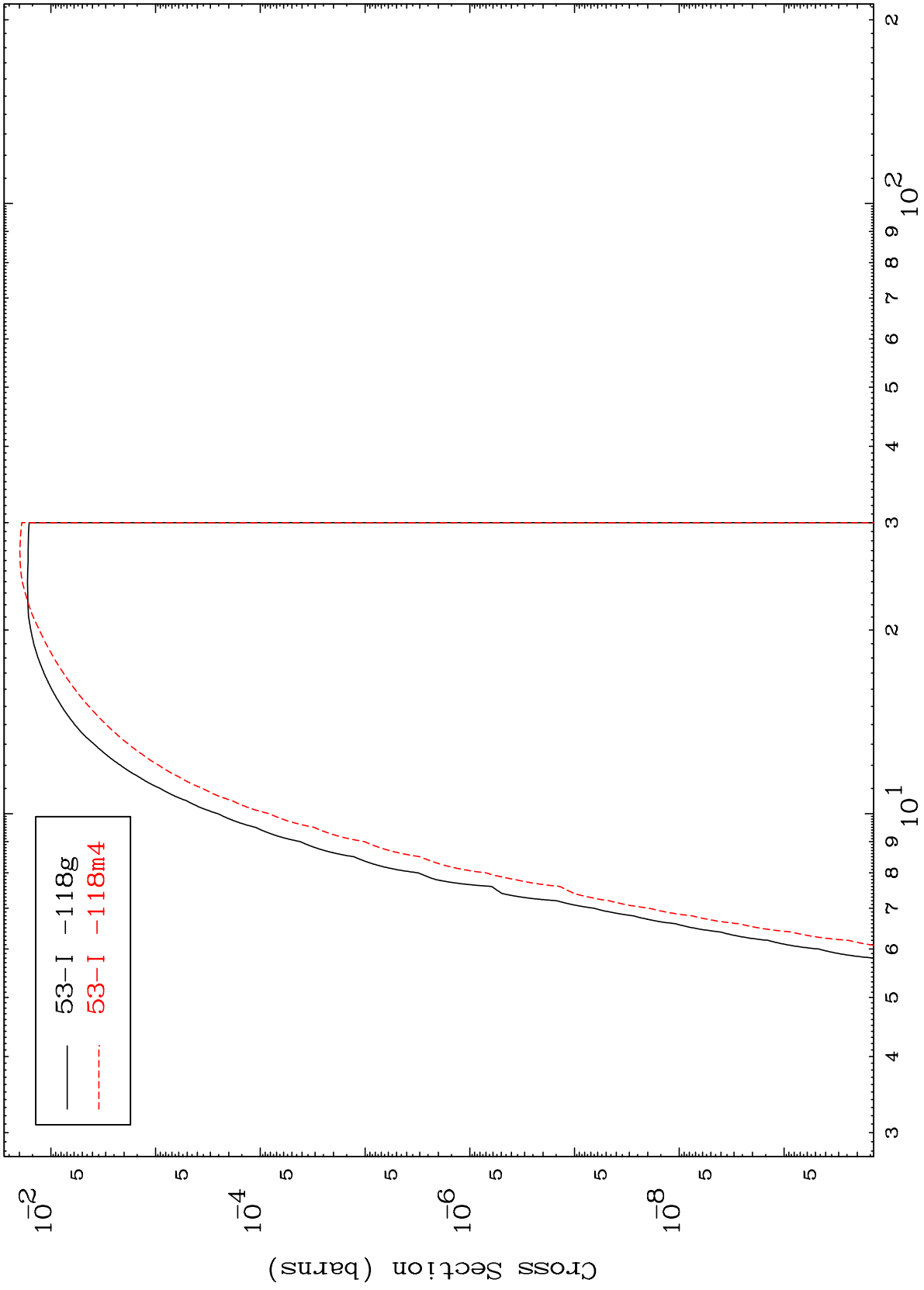
Incident Energy (MeV)

54-Xe-119

MAT 5410

Radionuclide Production Cross Section
(n,d)

54-Xe-119



53-I -118g
53-I -118m4

143

Incident Energy (MeV)

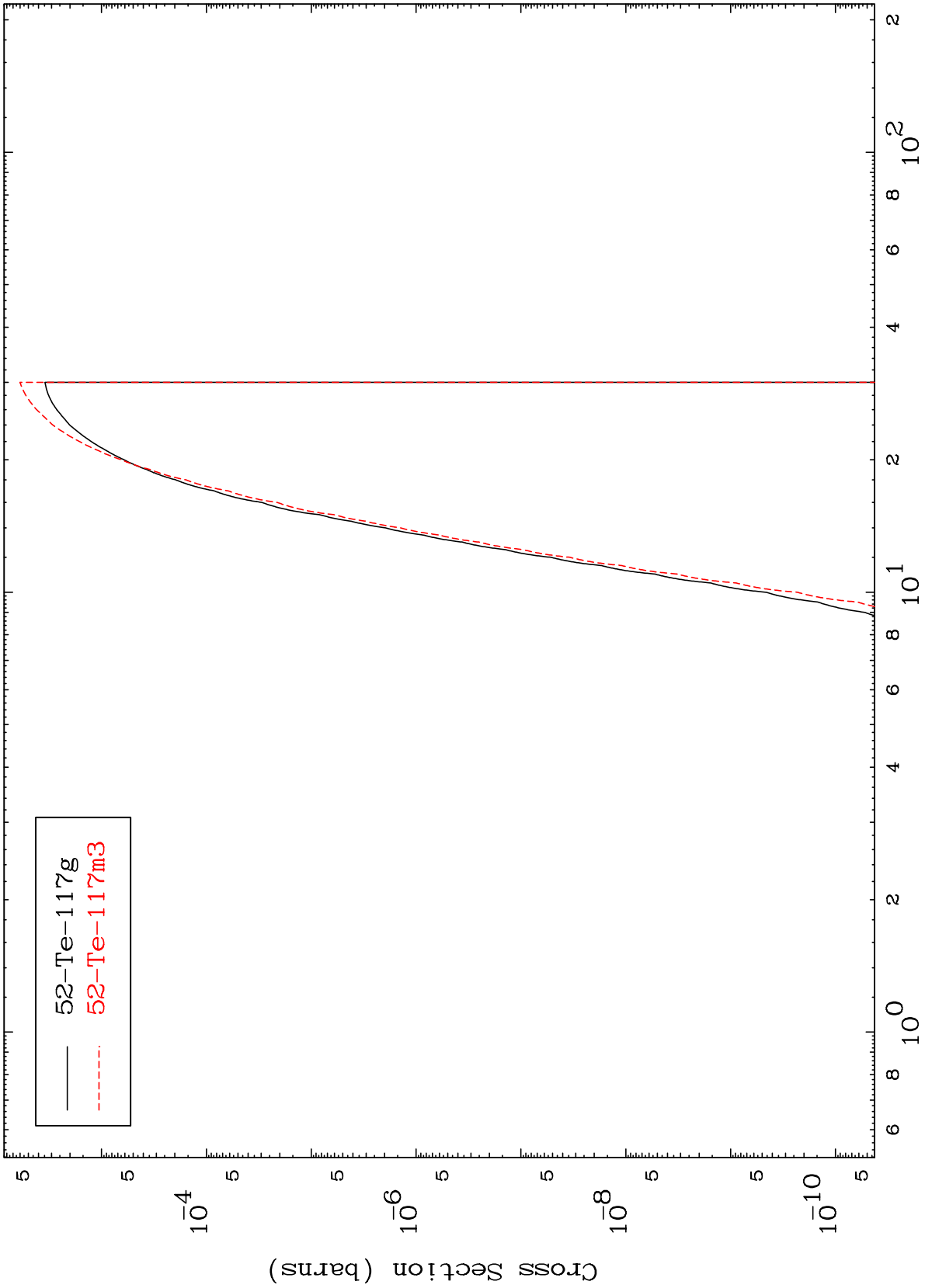
54-Xe-119

MAT 5410

(n, He-3)

54-Xe-119

Radionuclide Production Cross Section



52-Te-117g
52-Te-117m3

144

Incident Energy (MeV)

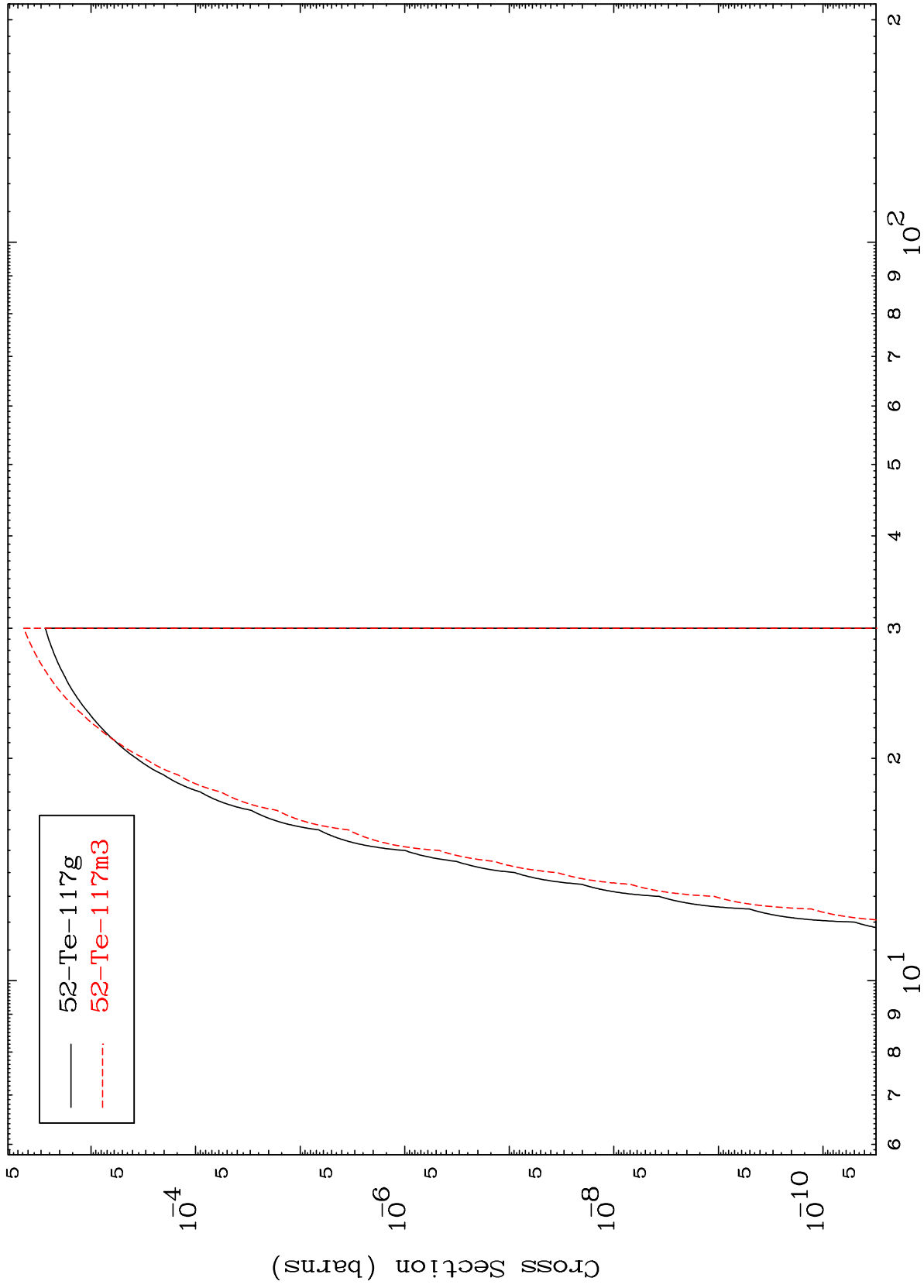
54-Xe-119

MAT 5410

(n,p) d

54-Xe-119

Radionuclide Production Cross Section



145

Incident Energy (MeV)

54-Xe-119