

Program EVALPLOT
(Version 2018-1)

by

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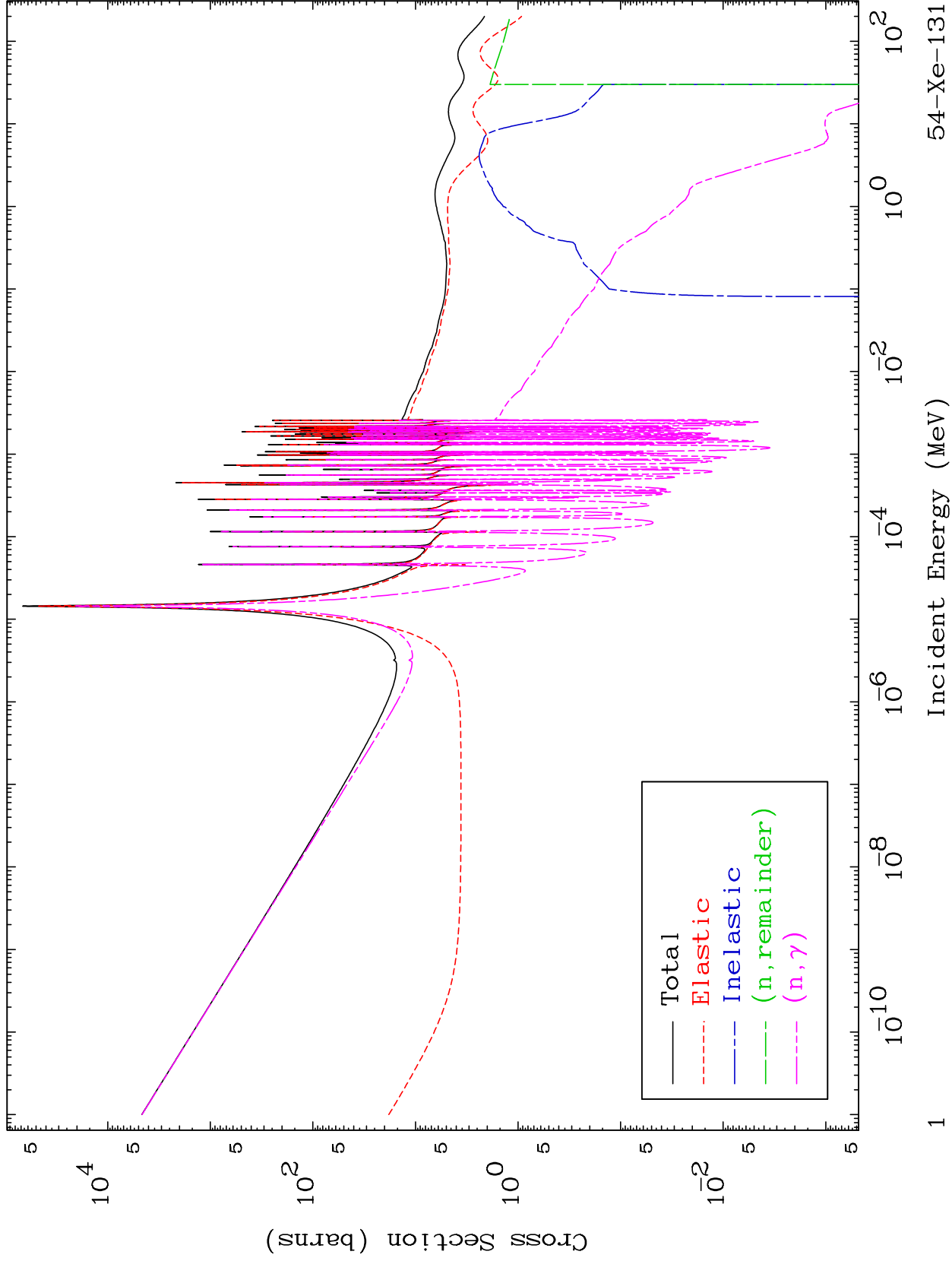
Press Mouse Button to Start

MAT 5446

Major

293 Kelvin Cross Sections

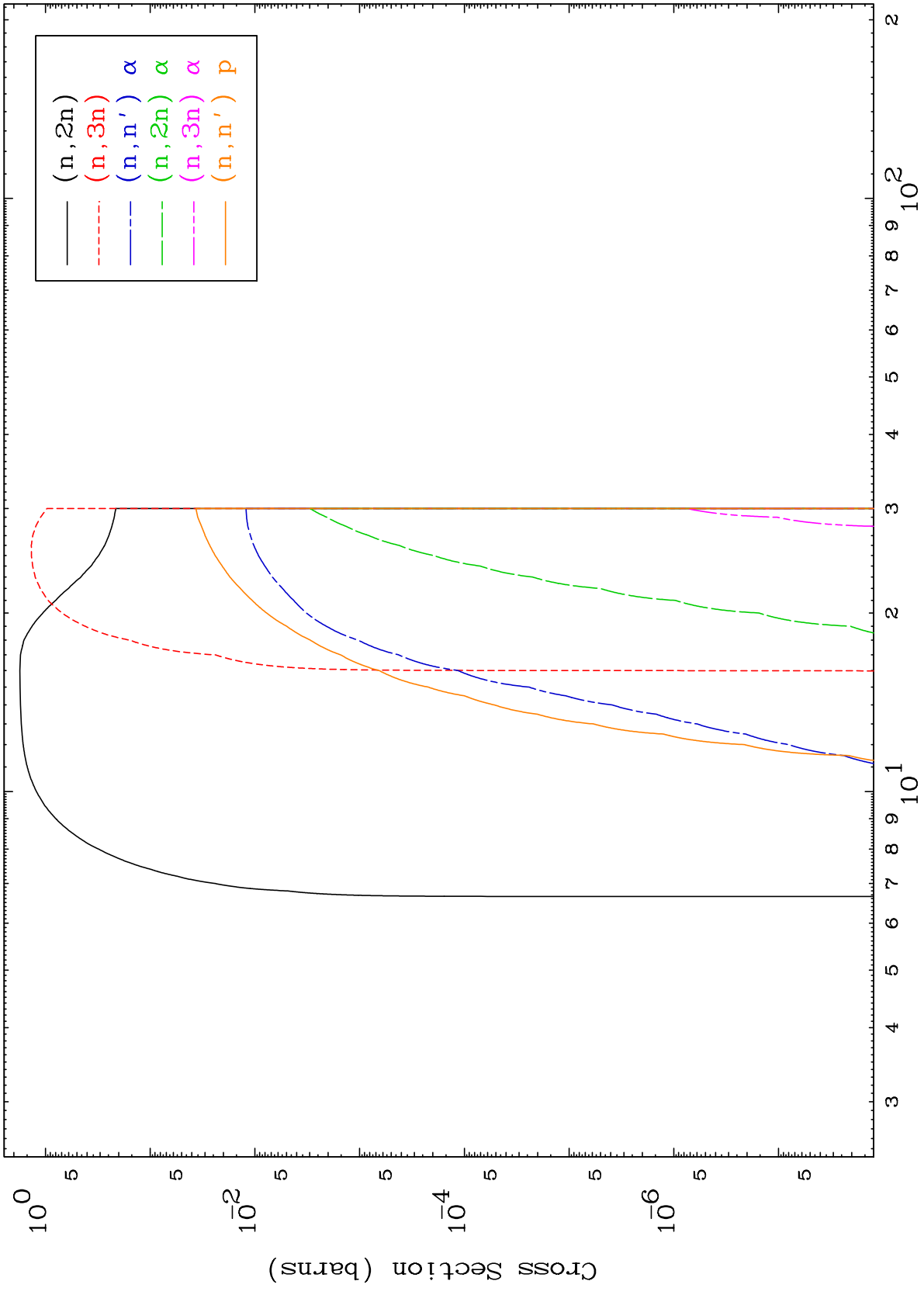
54-Xe-131



MAT 5446

Neutron Production 293 Kelvin Cross Sections

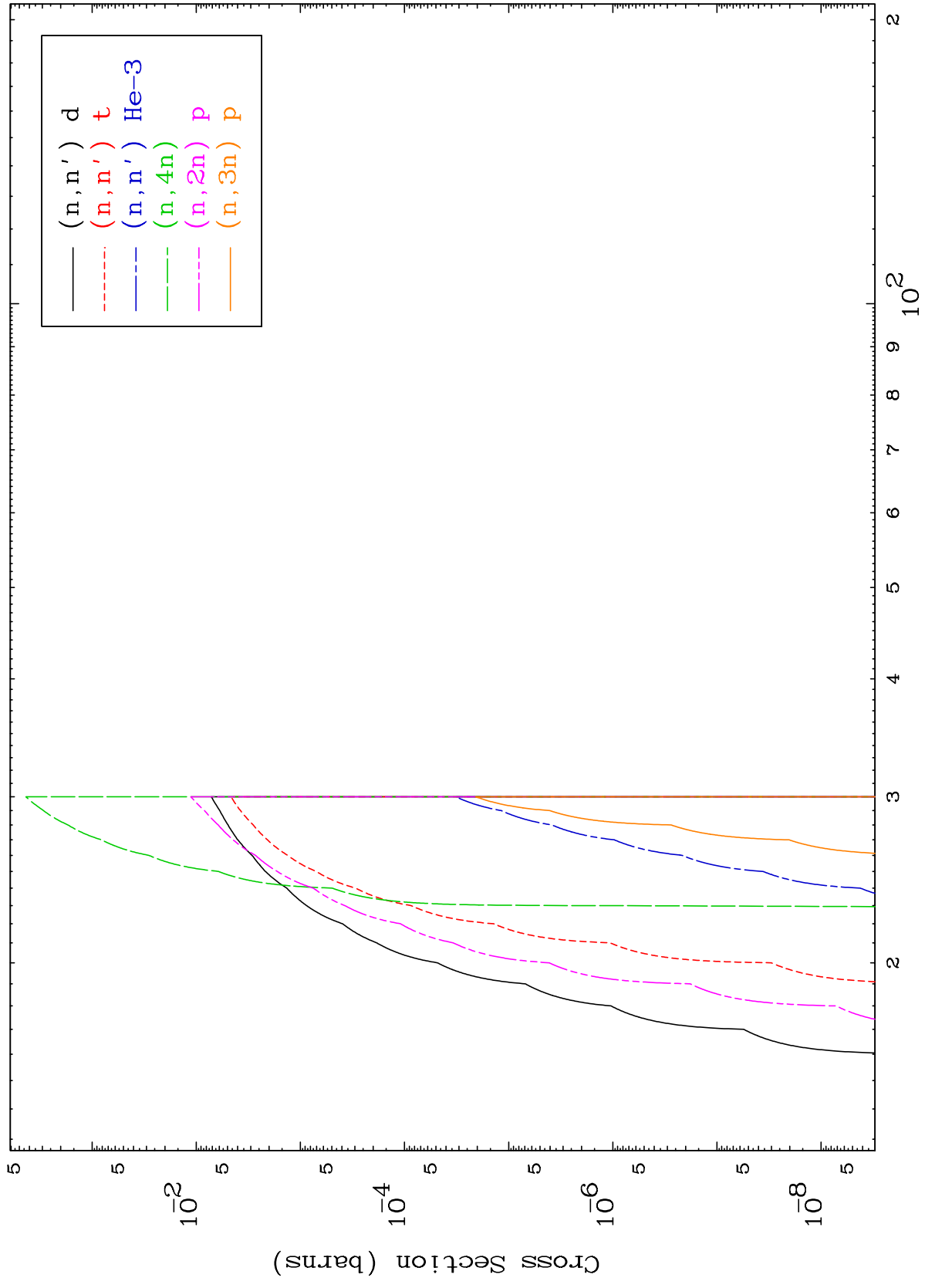
54-Xe-131



2

Incident Energy (MeV)

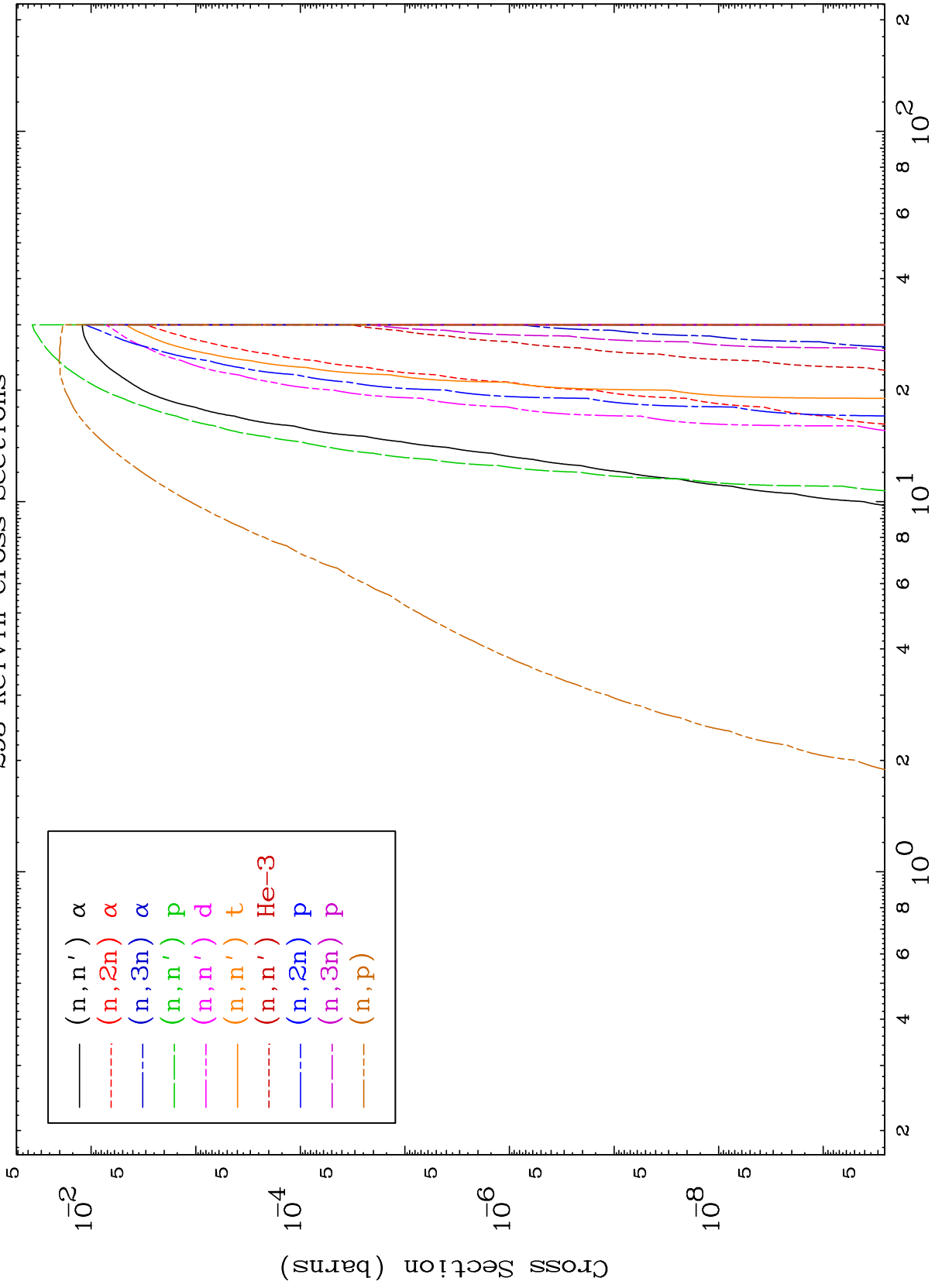
54-Xe-131



MAT 5446

293 Kelvin Cross Sections

54-Xe-131



4

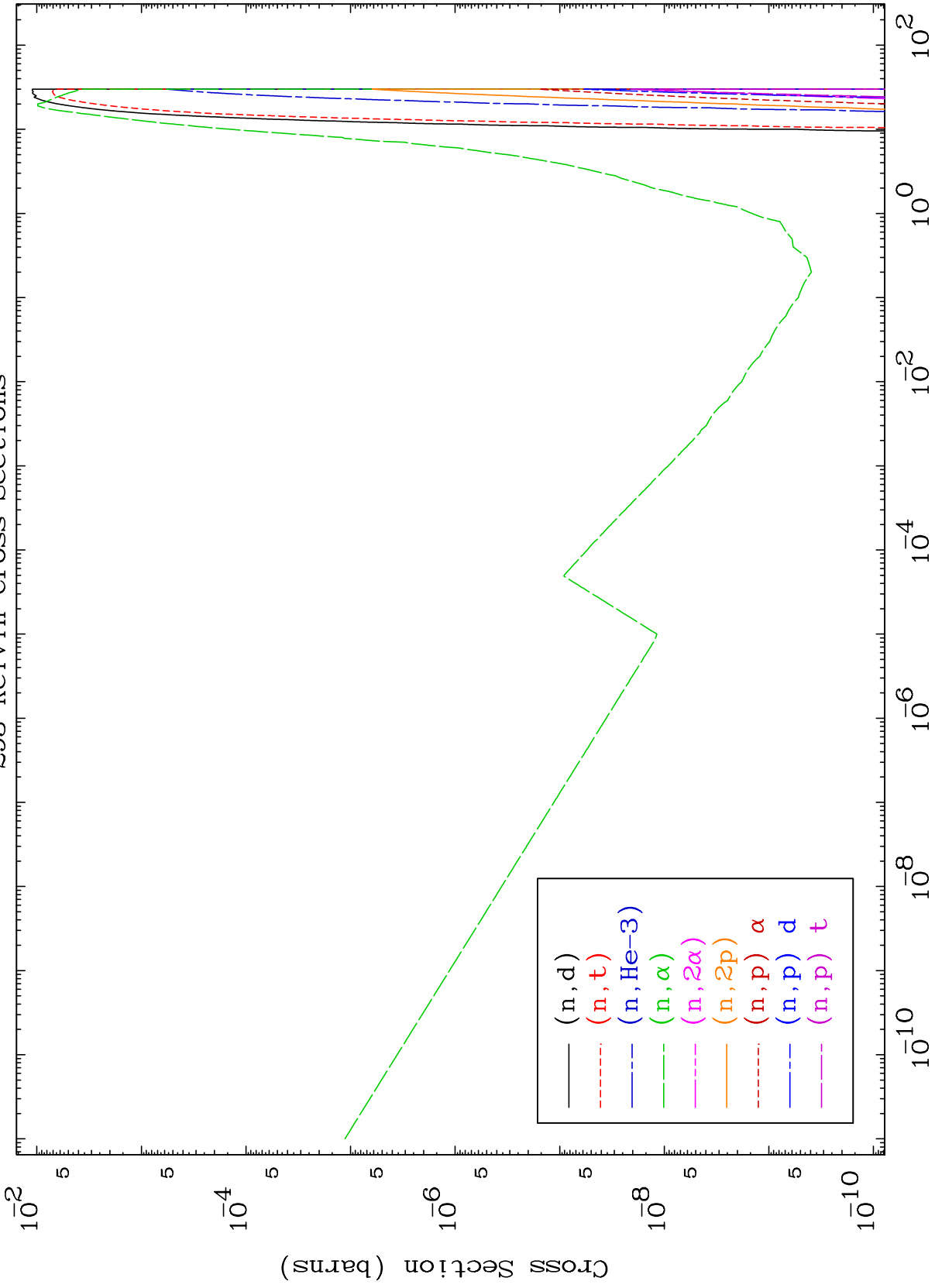
Incident Energy (MeV)

54-Xe-131

MAT 5446

293 Kelvin Cross Sections

54-Xe-131



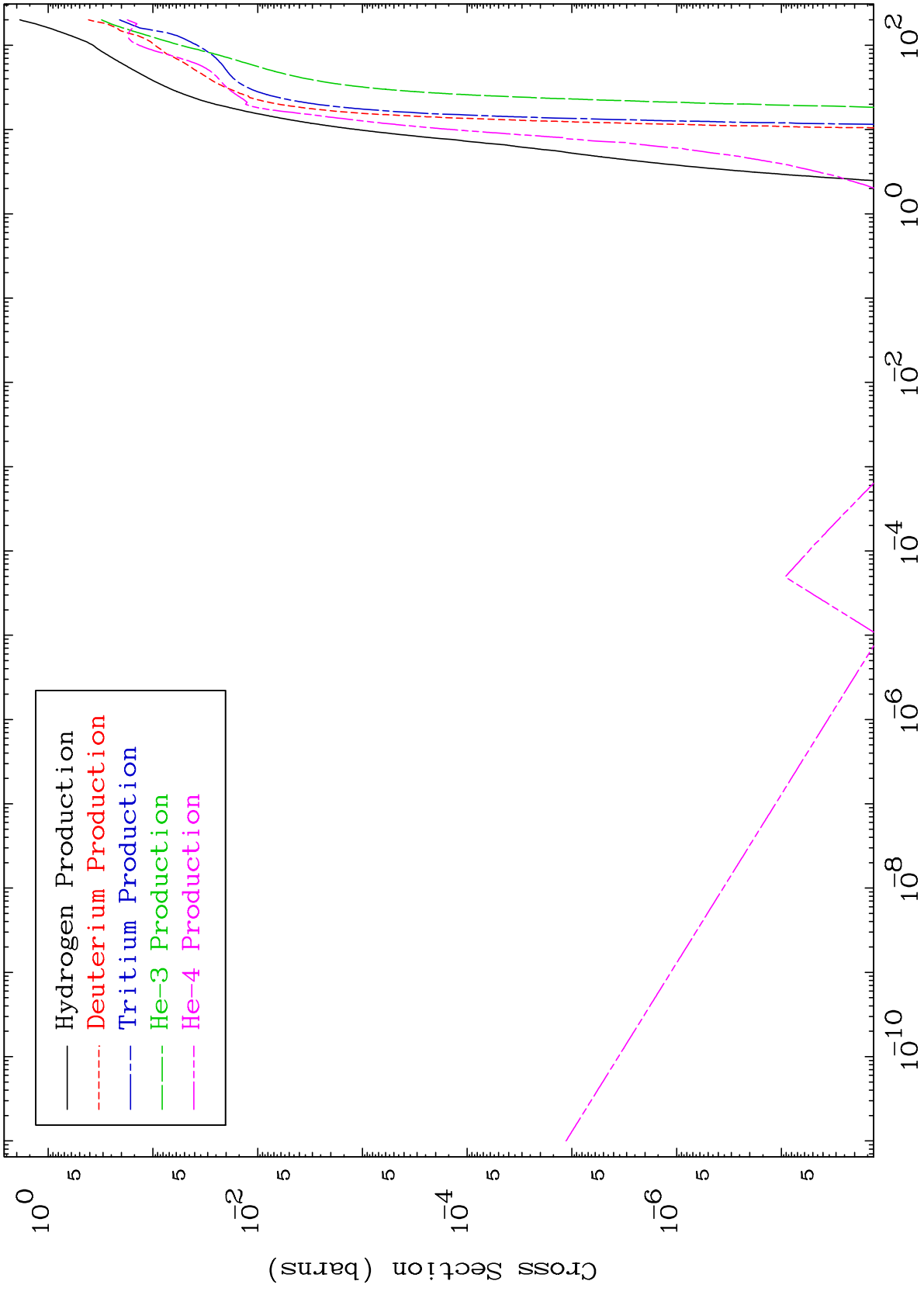
5

54-Xe-131

MAT 5446

Particle Production
293 Kelvin Cross Sections

54-Xe-131



6

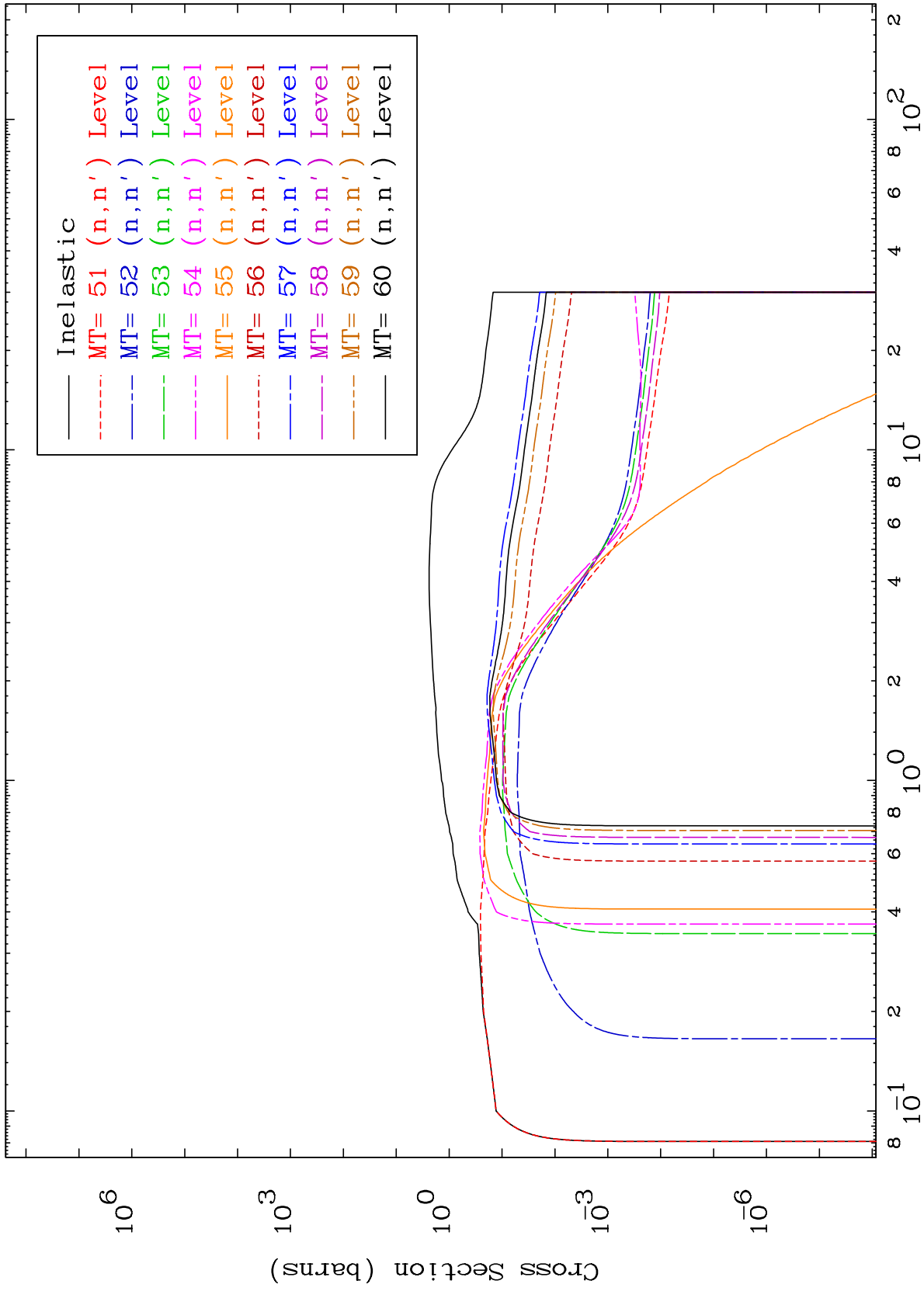
54-Xe-131

MAT 5446

(n,n') Level

54-Xe-131

293 Kelvin Cross Sections



7

Incident Energy (MeV)

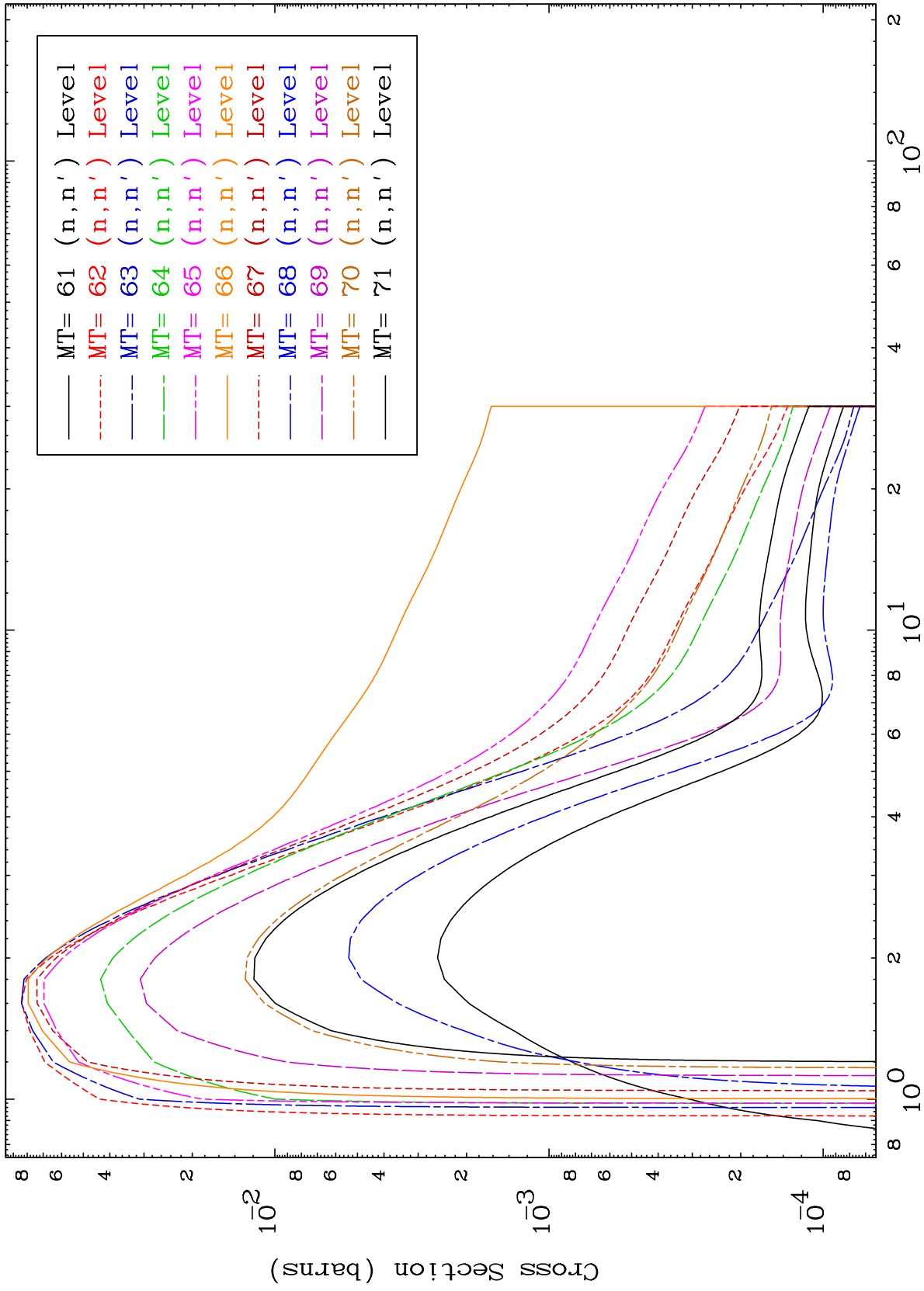
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MAT 5446

(n,n') Level

54-Xe-131

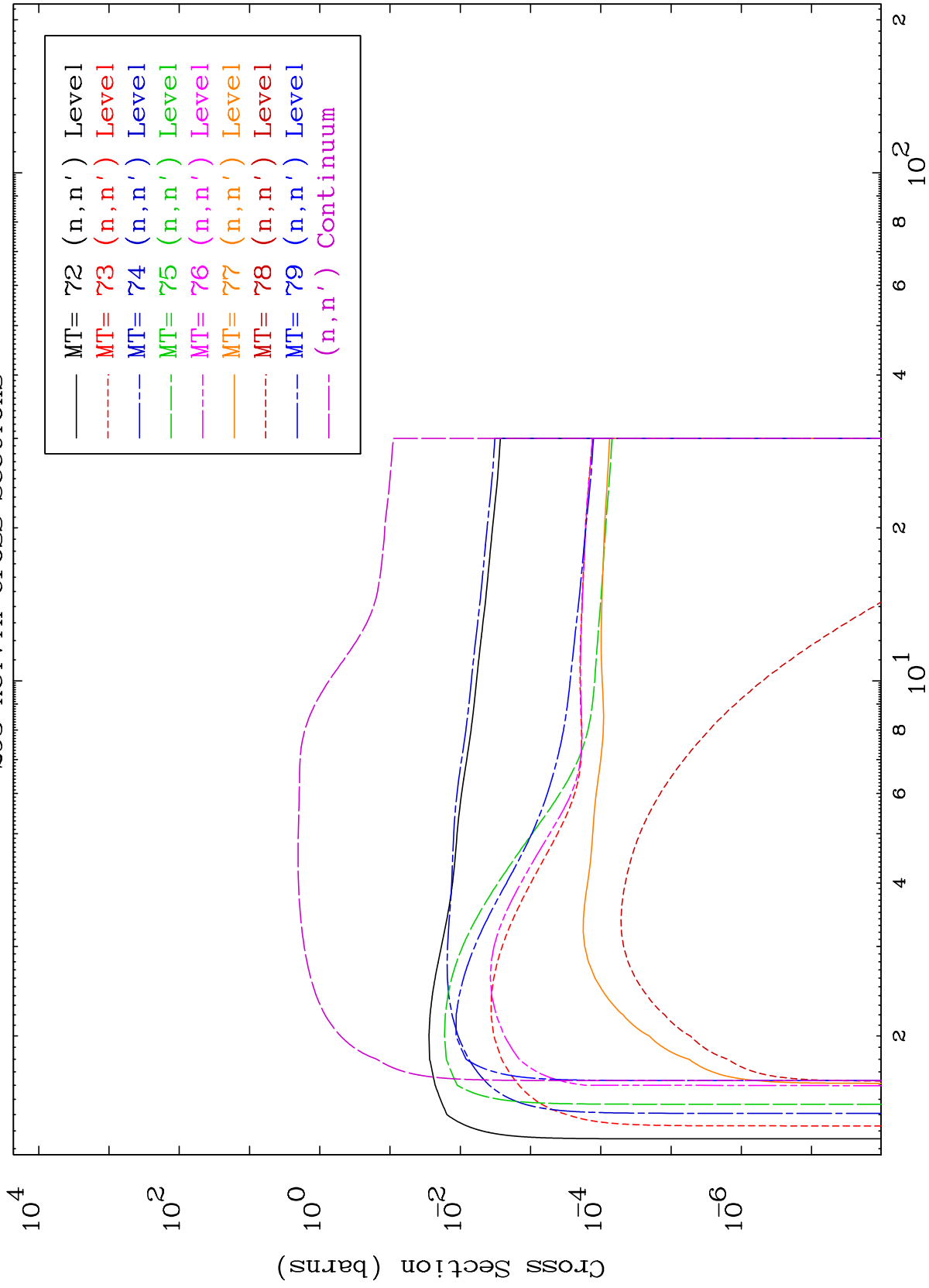
293 Kelvin Cross Sections



8

Incident Energy (MeV)

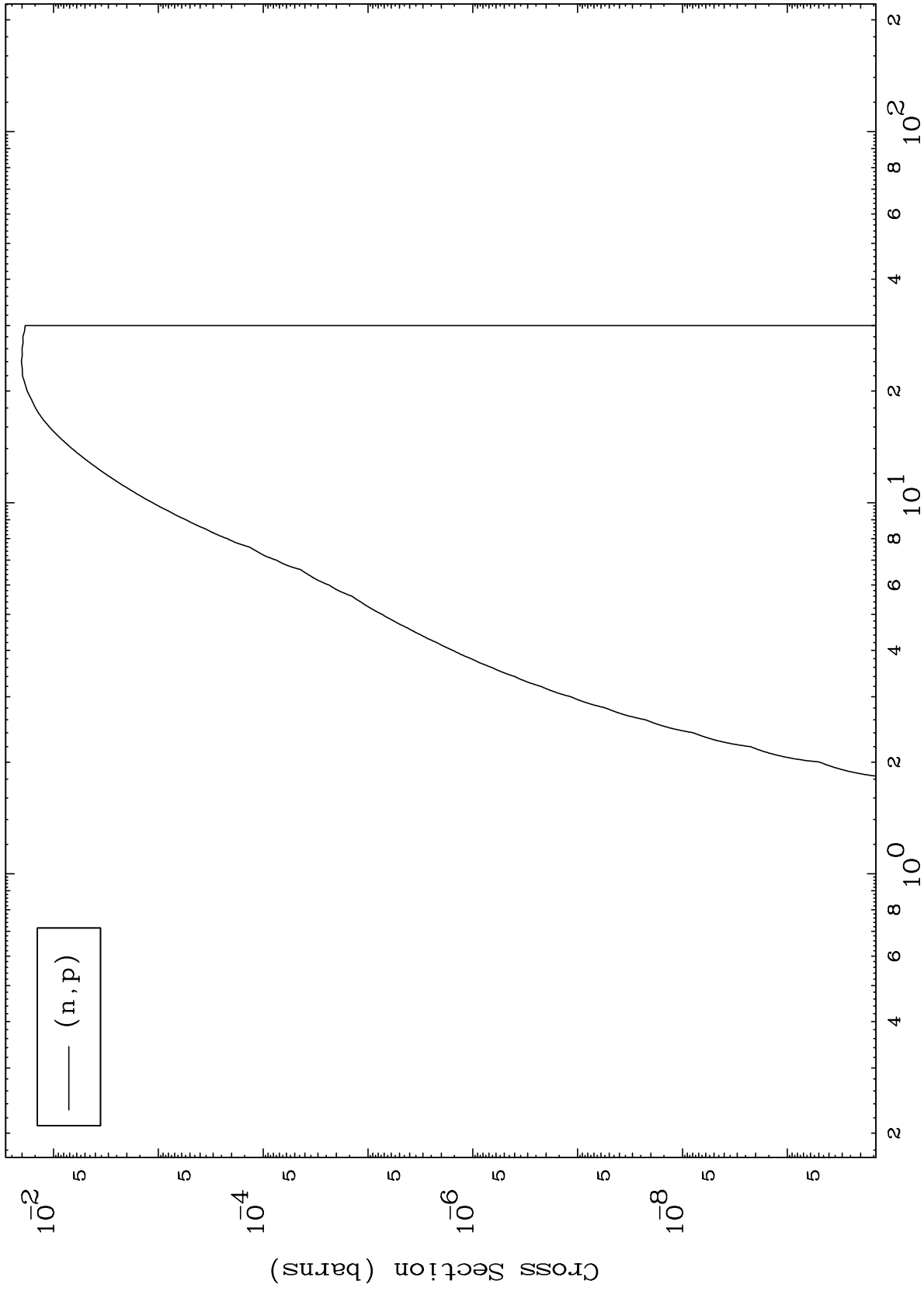
54-Xe-131



MAT 5446

(n,p) Levels
293 Kelvin Cross Sections

54-Xe-131



10

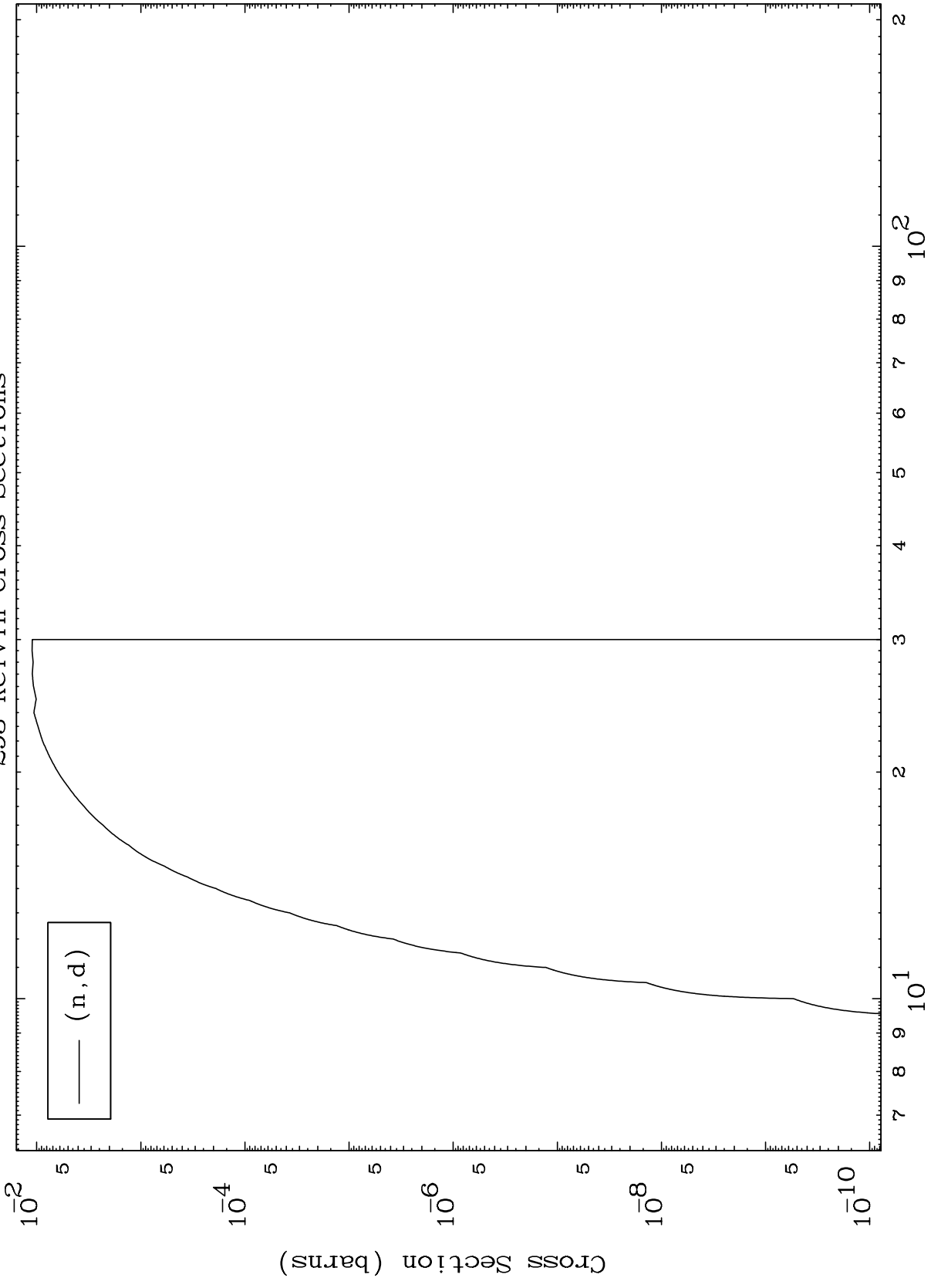
Incident Energy (MeV)

54-Xe-131

MAT 5446

(n,d) Levels
293 Kelvin Cross Sections

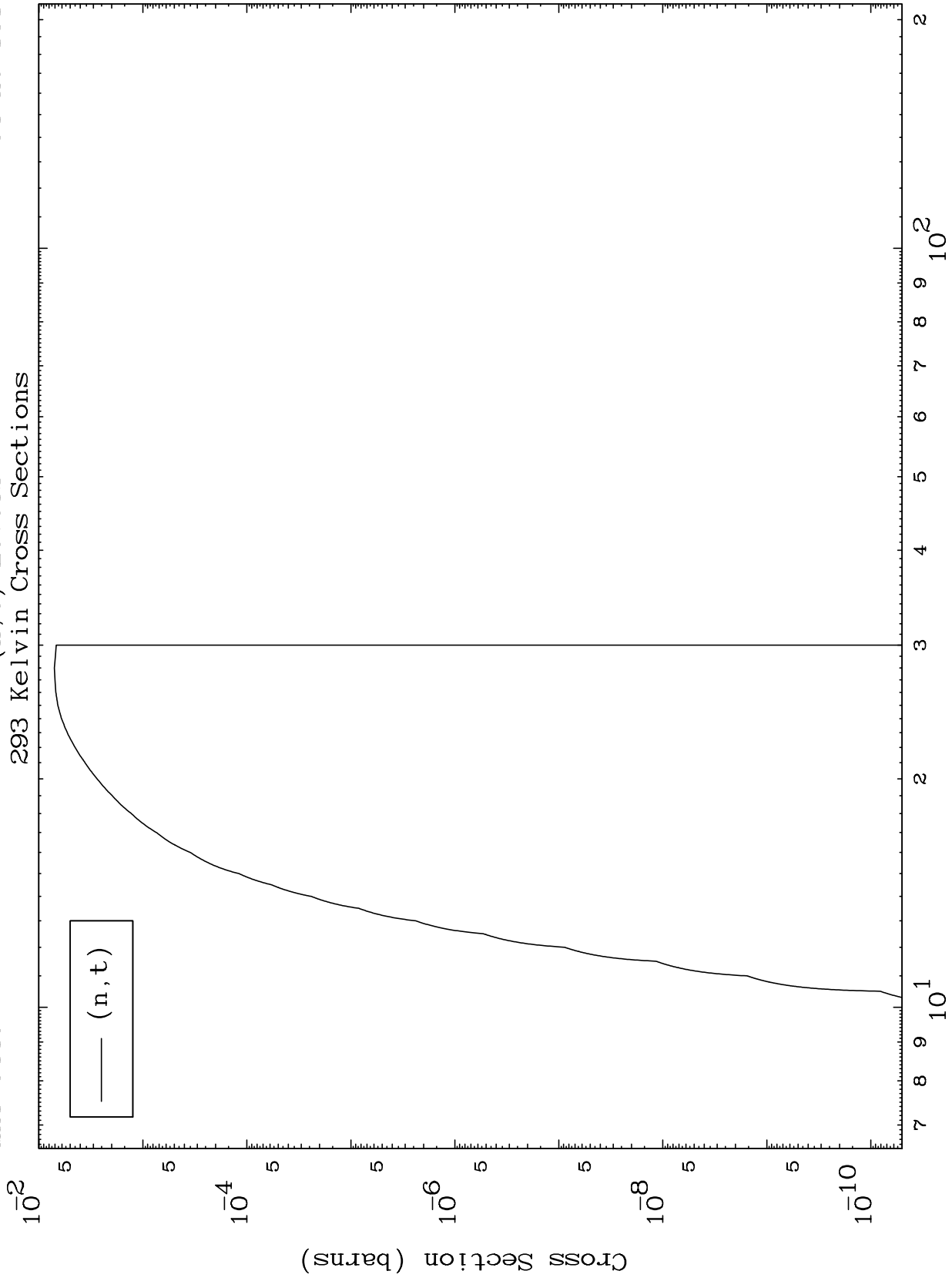
54-Xe-131



MAT 5446

(n,t) Levels
293 Kelvin Cross Sections

54-Xe-131



12

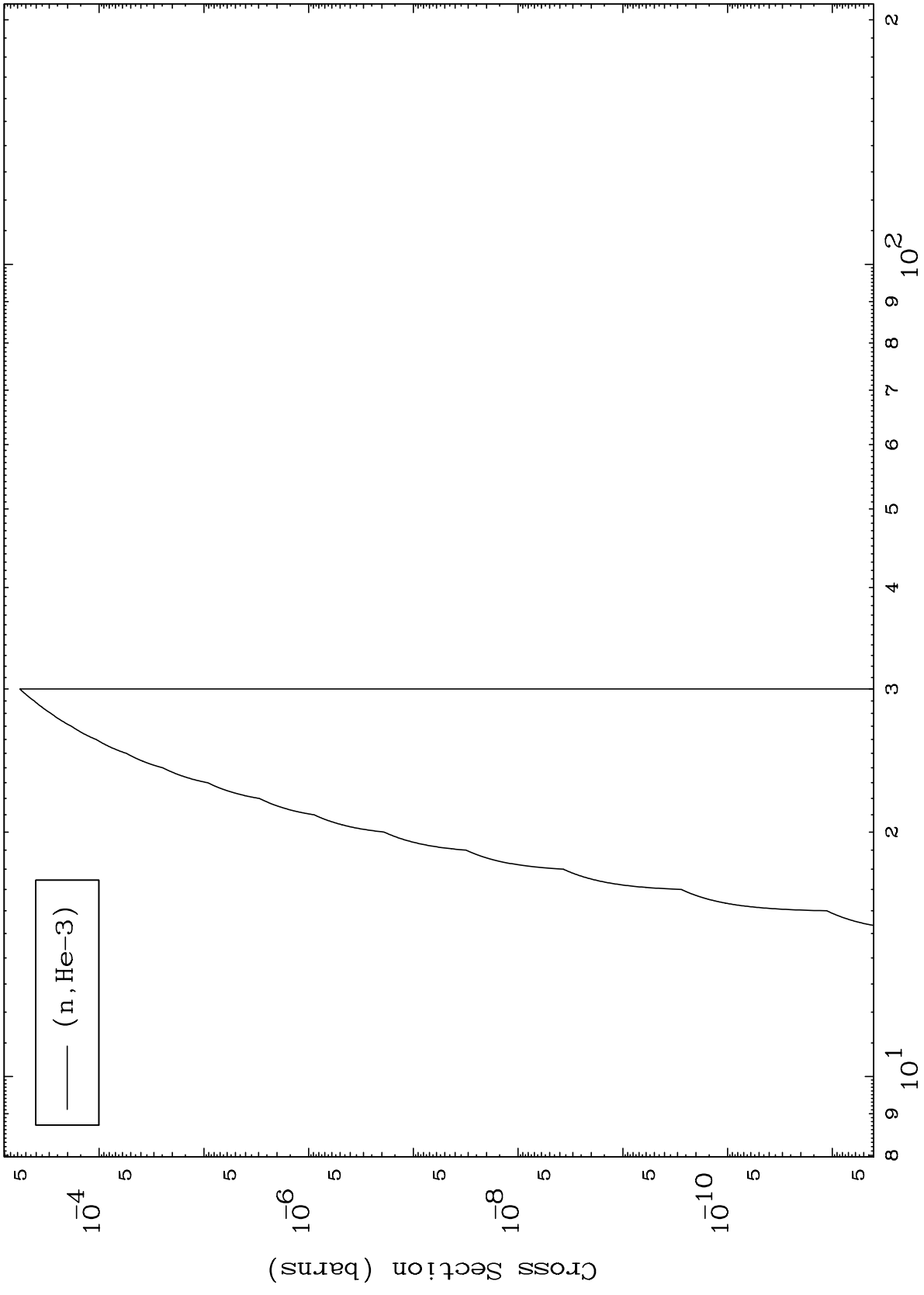
Incident Energy (MeV)

54-Xe-131

MAT 5446

(n,He3) Levels
293 Kelvin Cross Sections

54-Xe-131



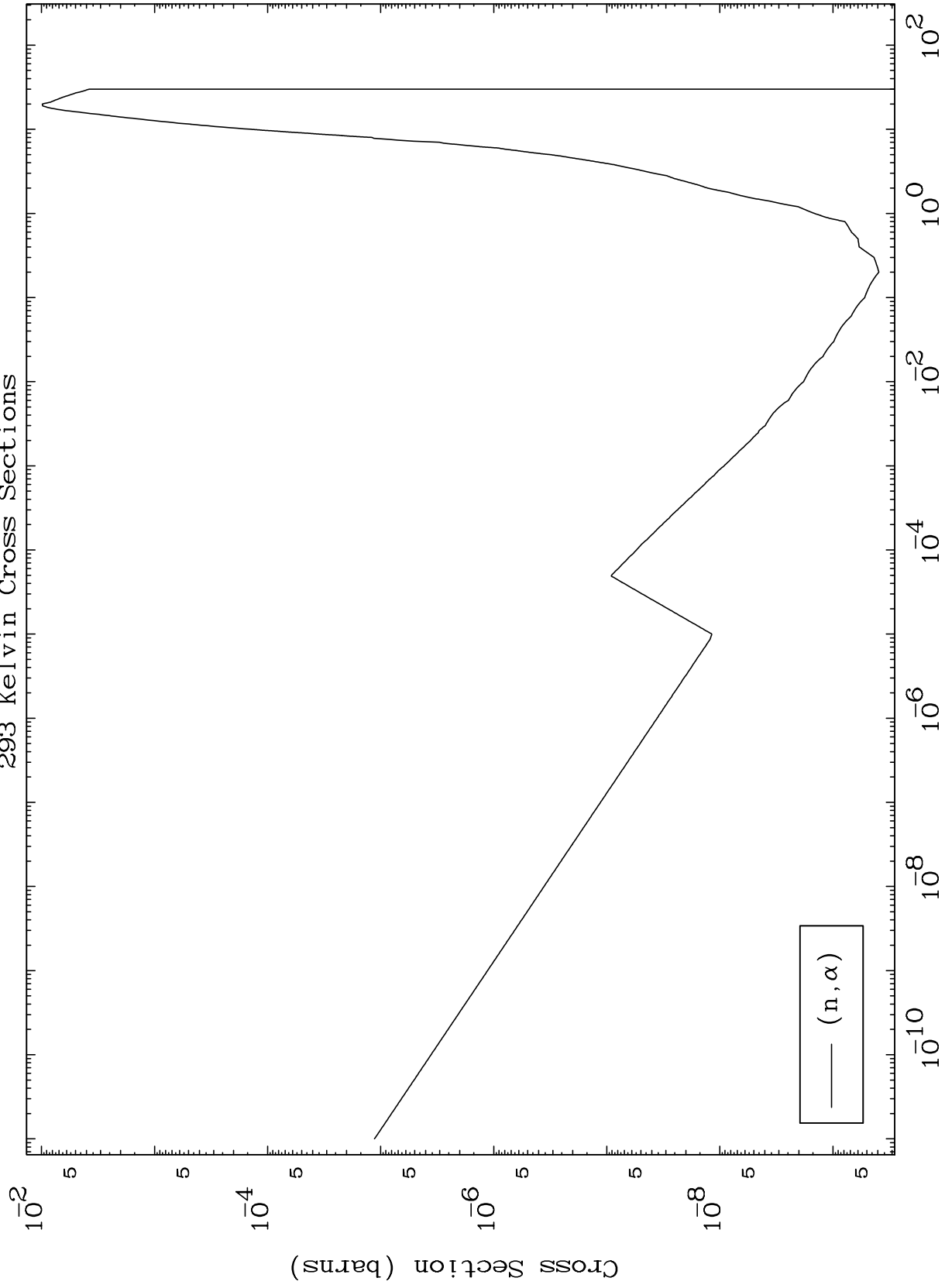
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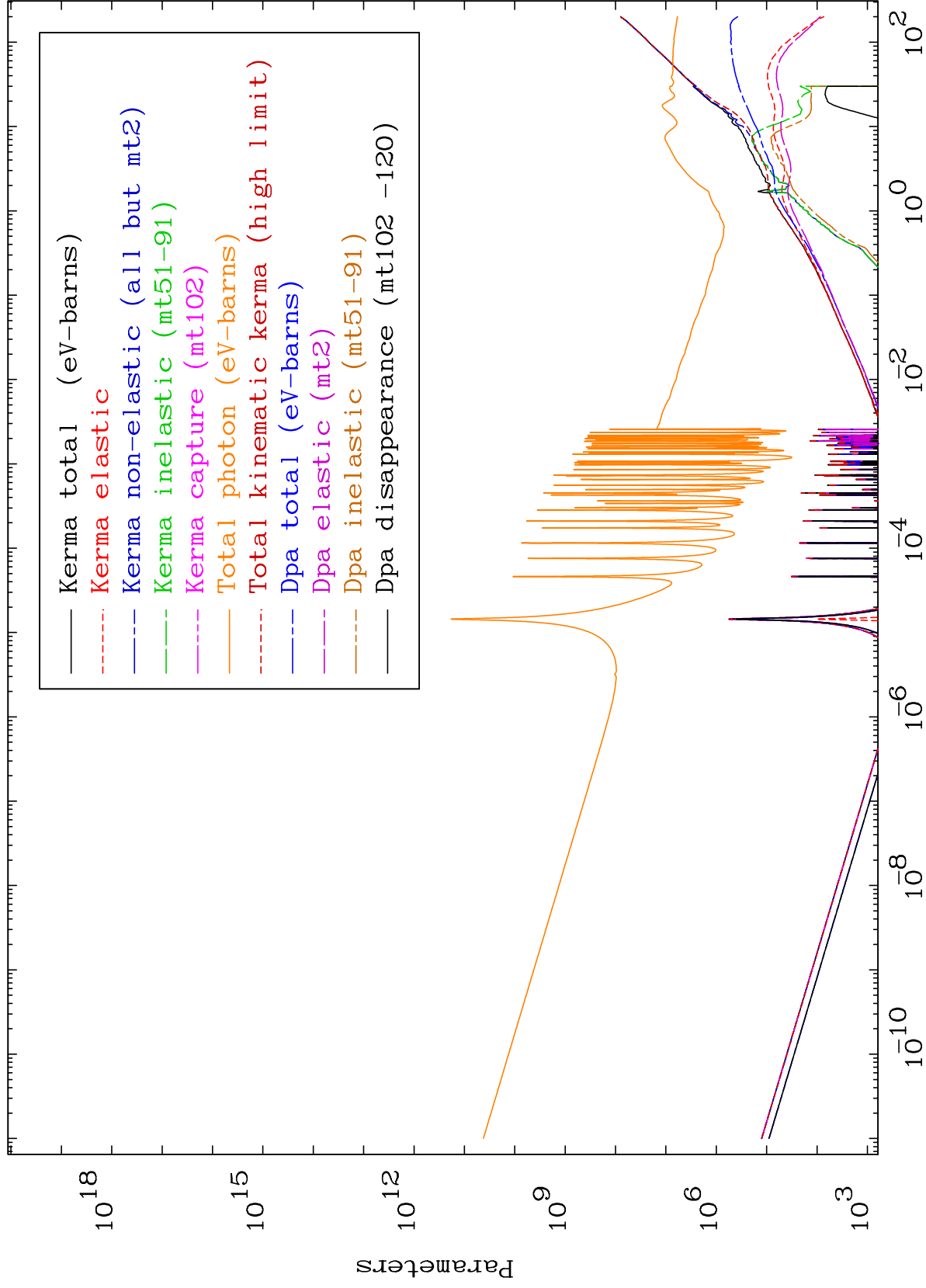
54-Xe-131

MAT 5446

293 Kelvin Cross Sections
(n,α) Levels

54-Xe-131

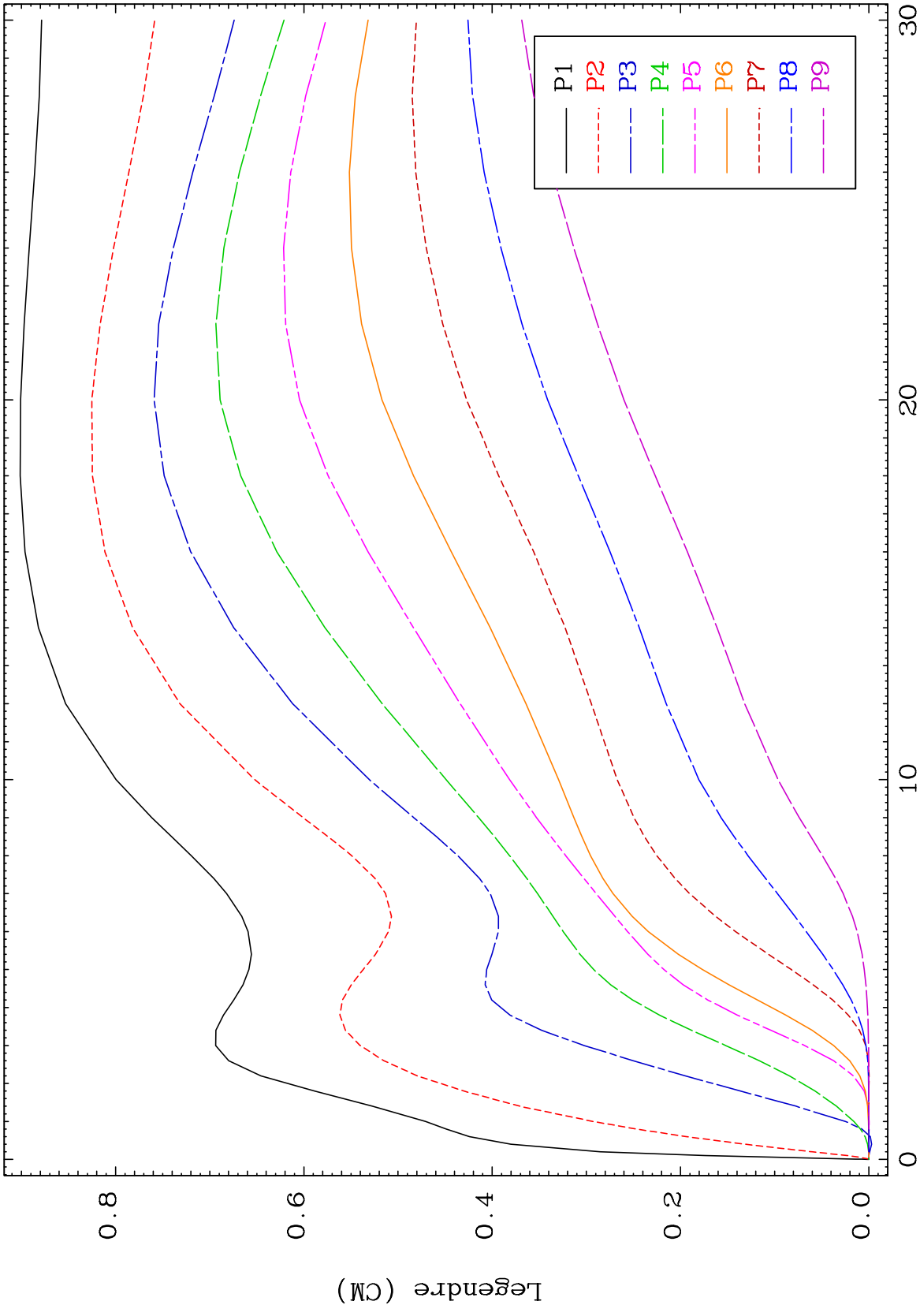




MAT 5446

Elastic Legendre Coefficients

54-Xe-131



16

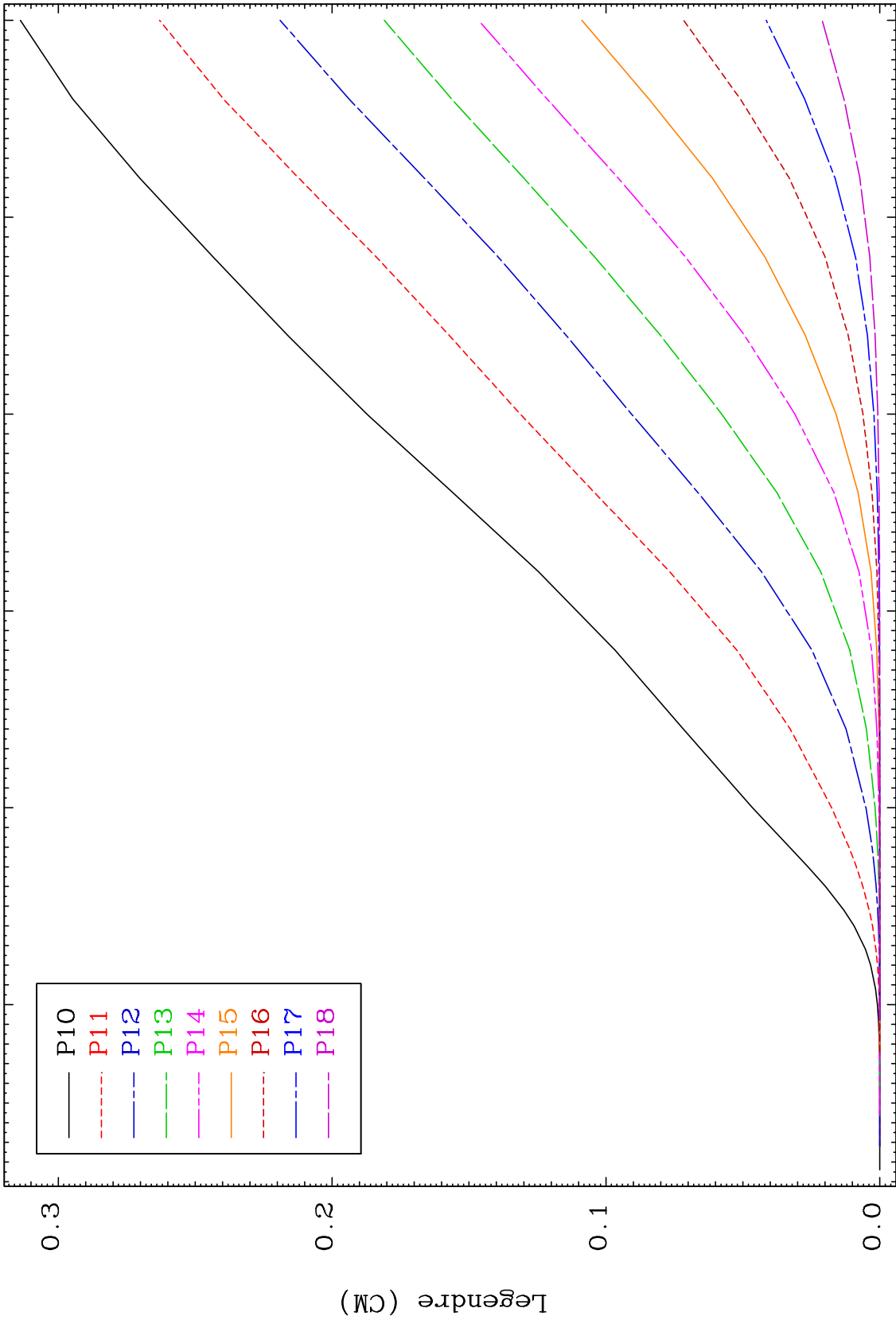
Incident Energy (MeV)

54-Xe-131

MAT 5446

Elastic Legendre Coefficients

54-Xe-131



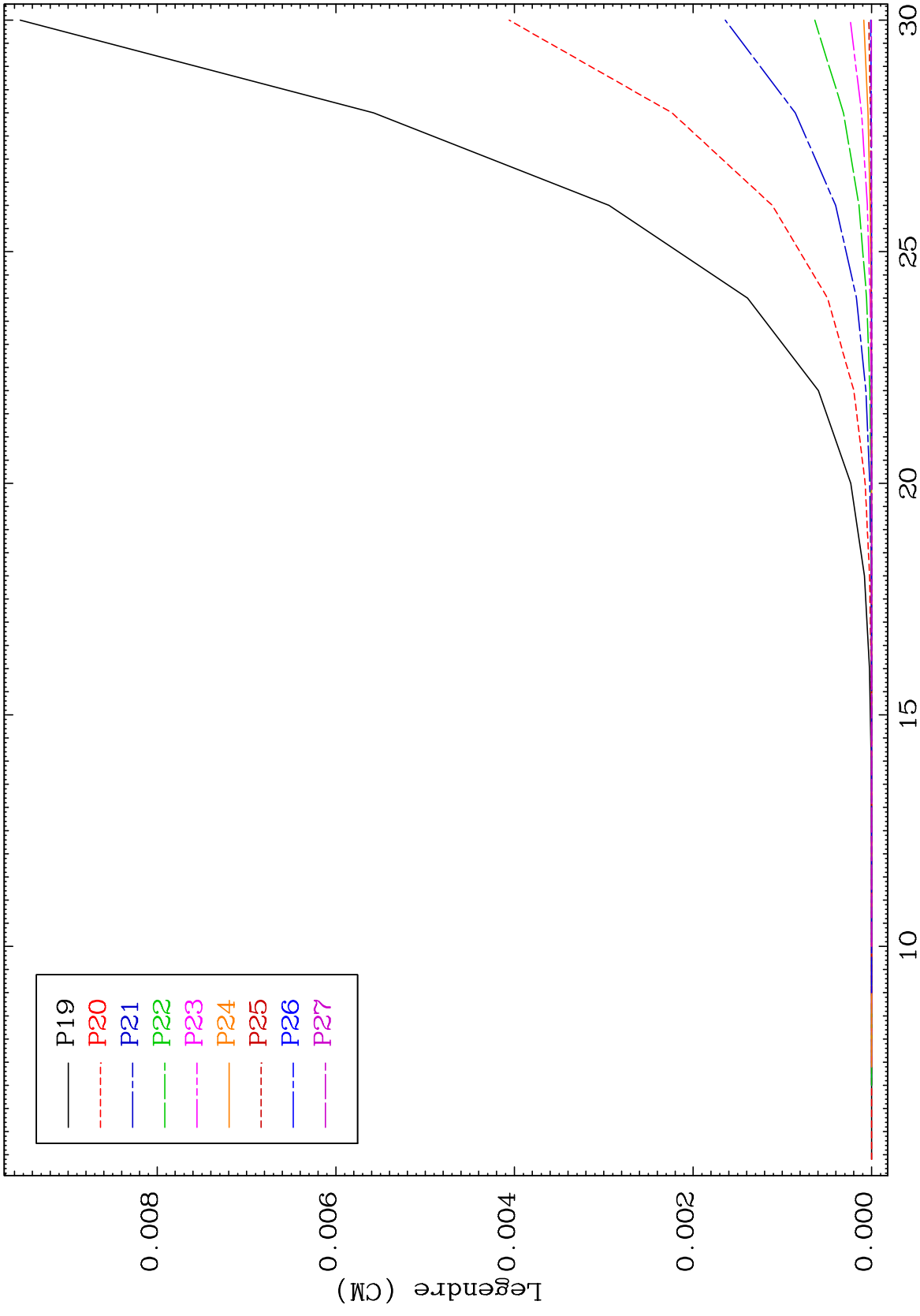
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54-Xe-131

MAT 5446

Elastic Legendre Coefficients

54-Xe-131



18

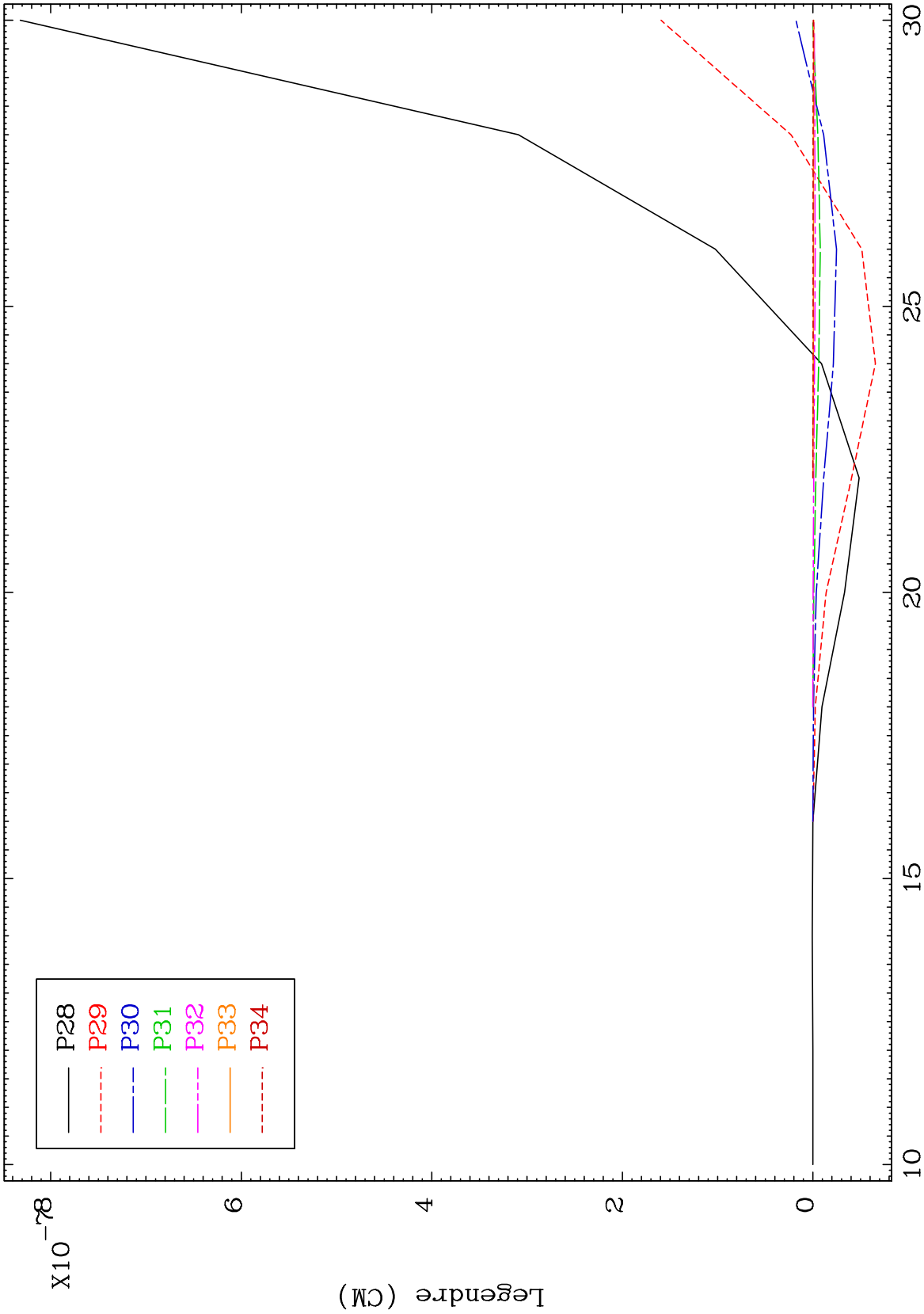
Incident Energy (MeV)

54-Xe-131

MAT 5446

Elastic Legendre Coefficients

54-Xe-131



19

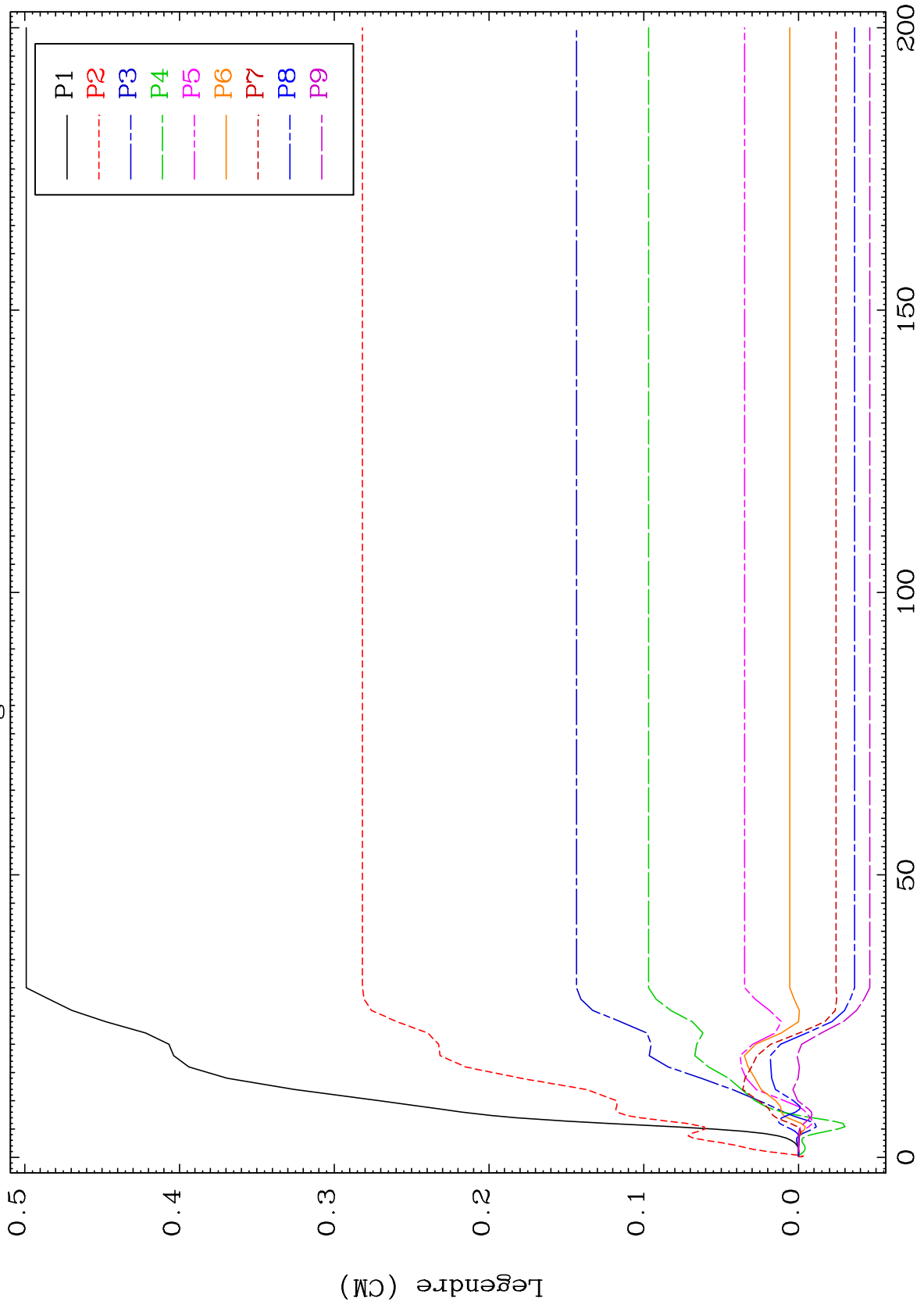
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



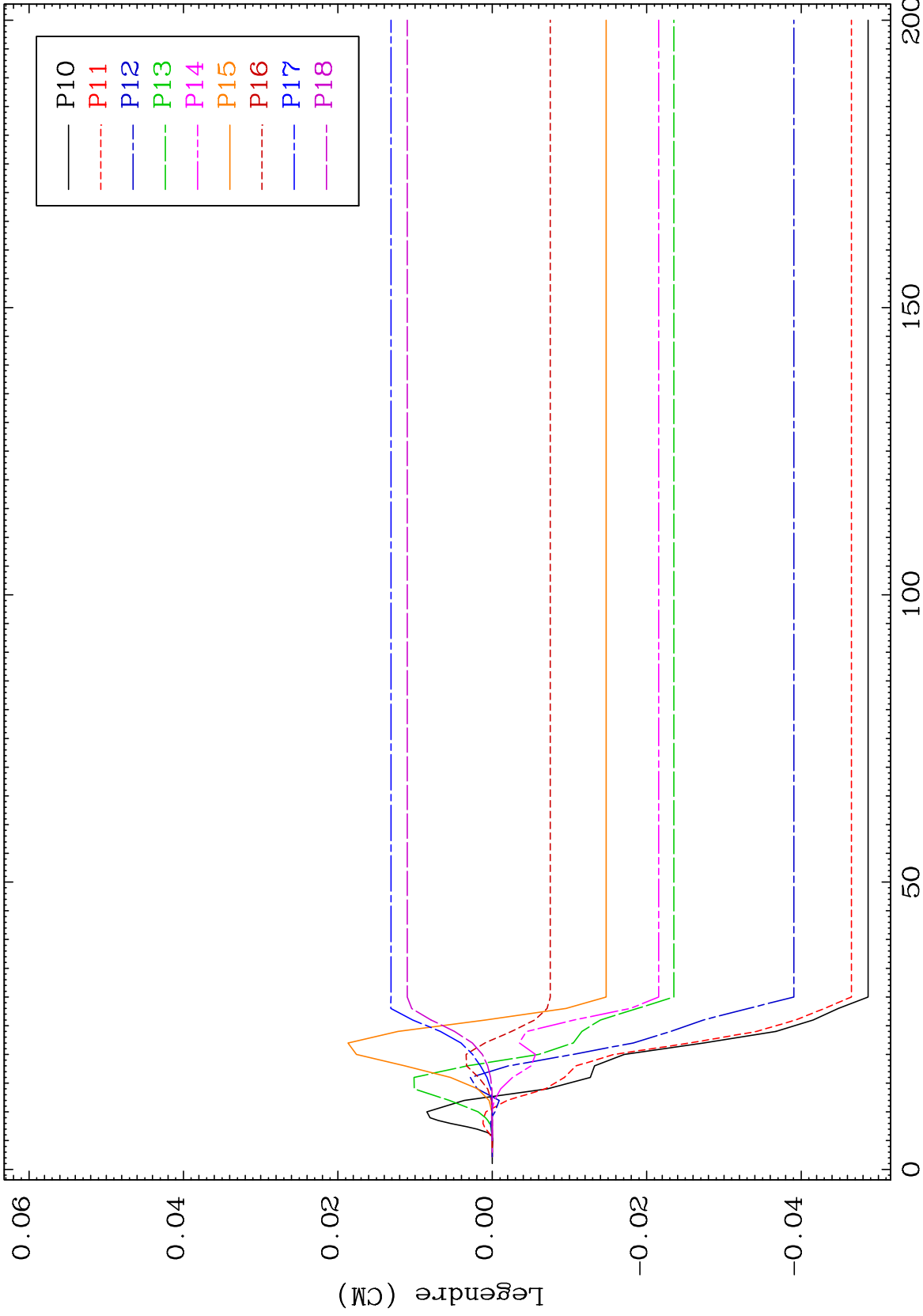
54-Xe-131

Incident Energy (MeV)

MAT 5446

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

54-Xe-131



21

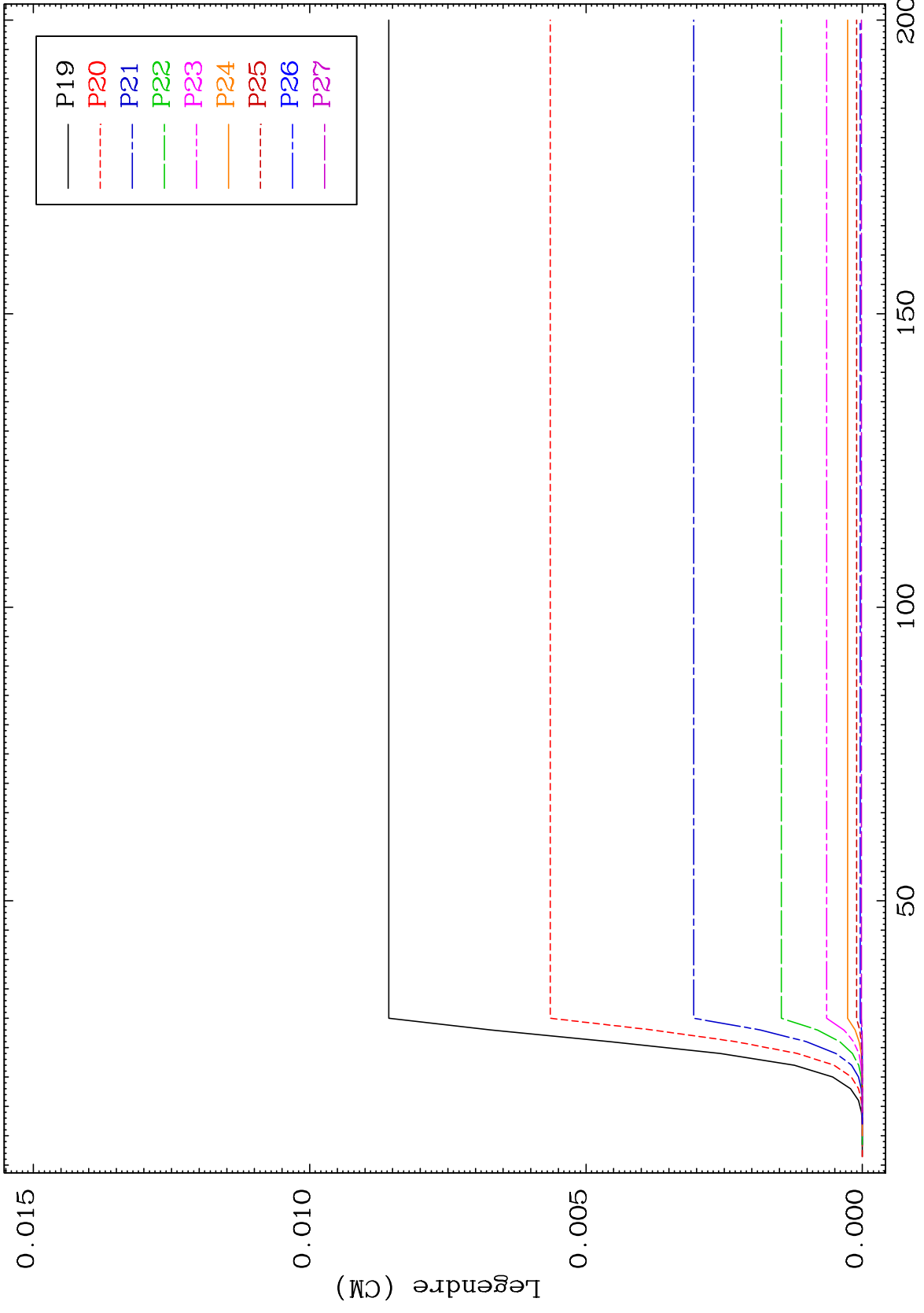
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



22

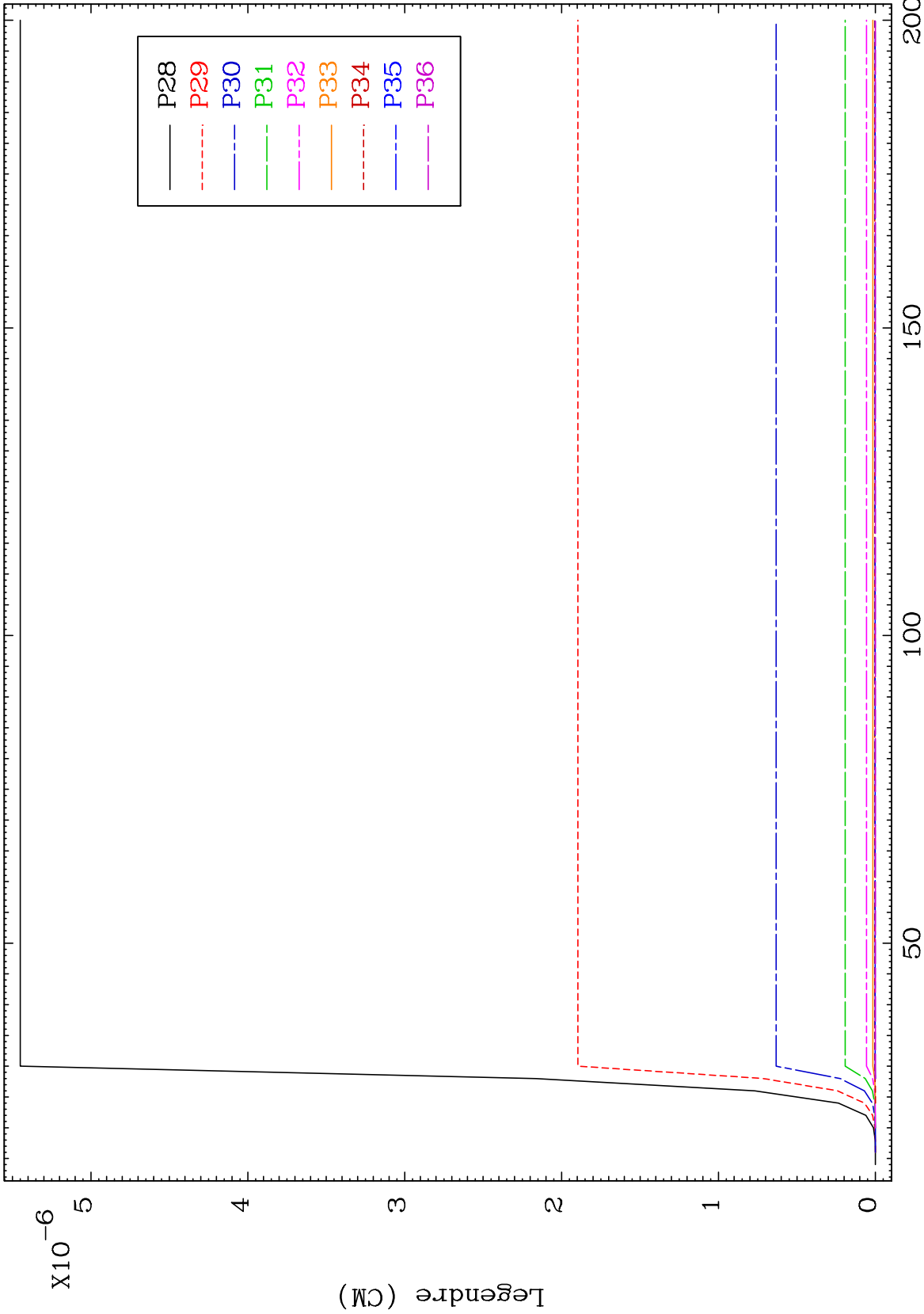
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



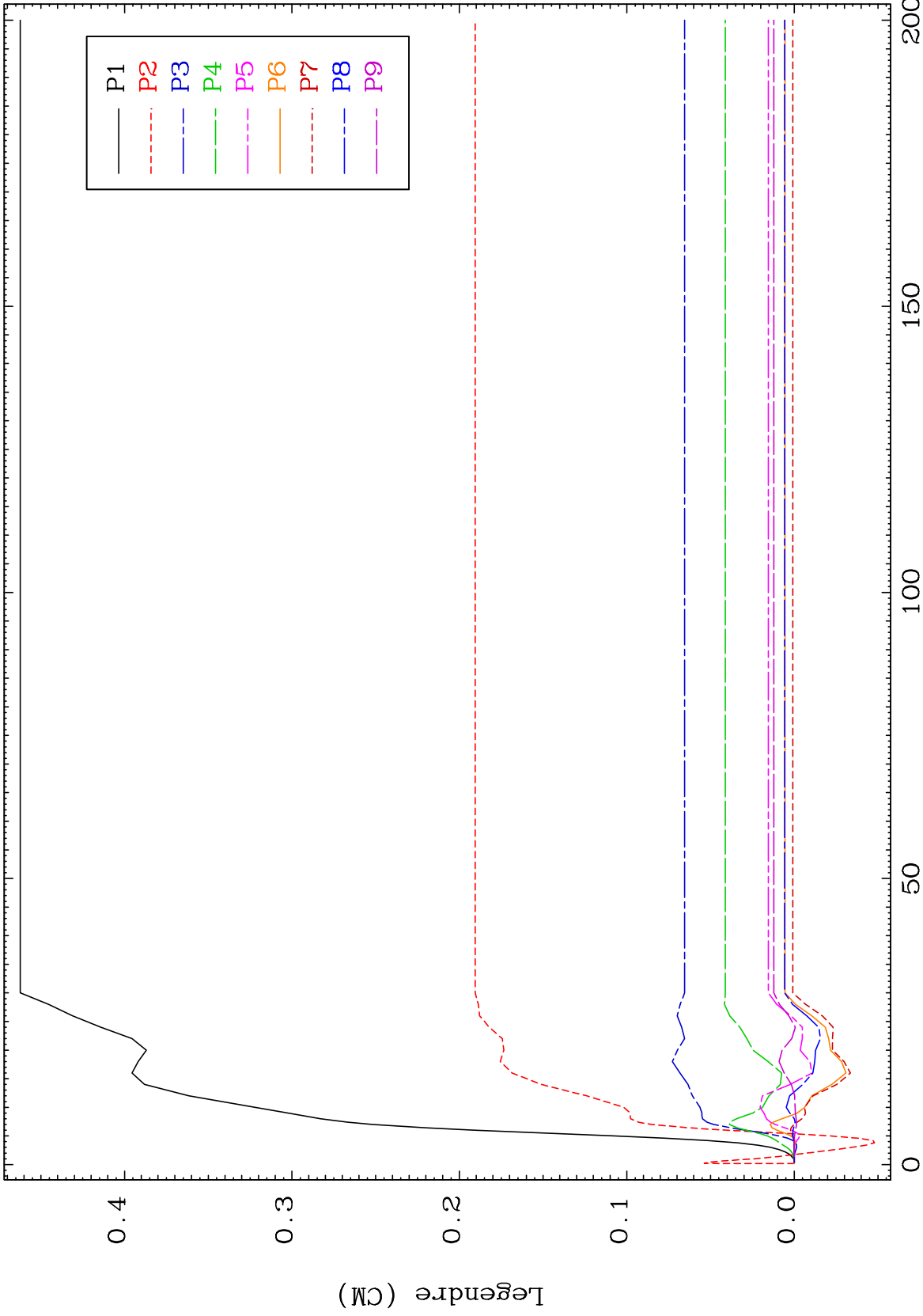
23

54-Xe-131

MAT 5446

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

54-Xe-131



24

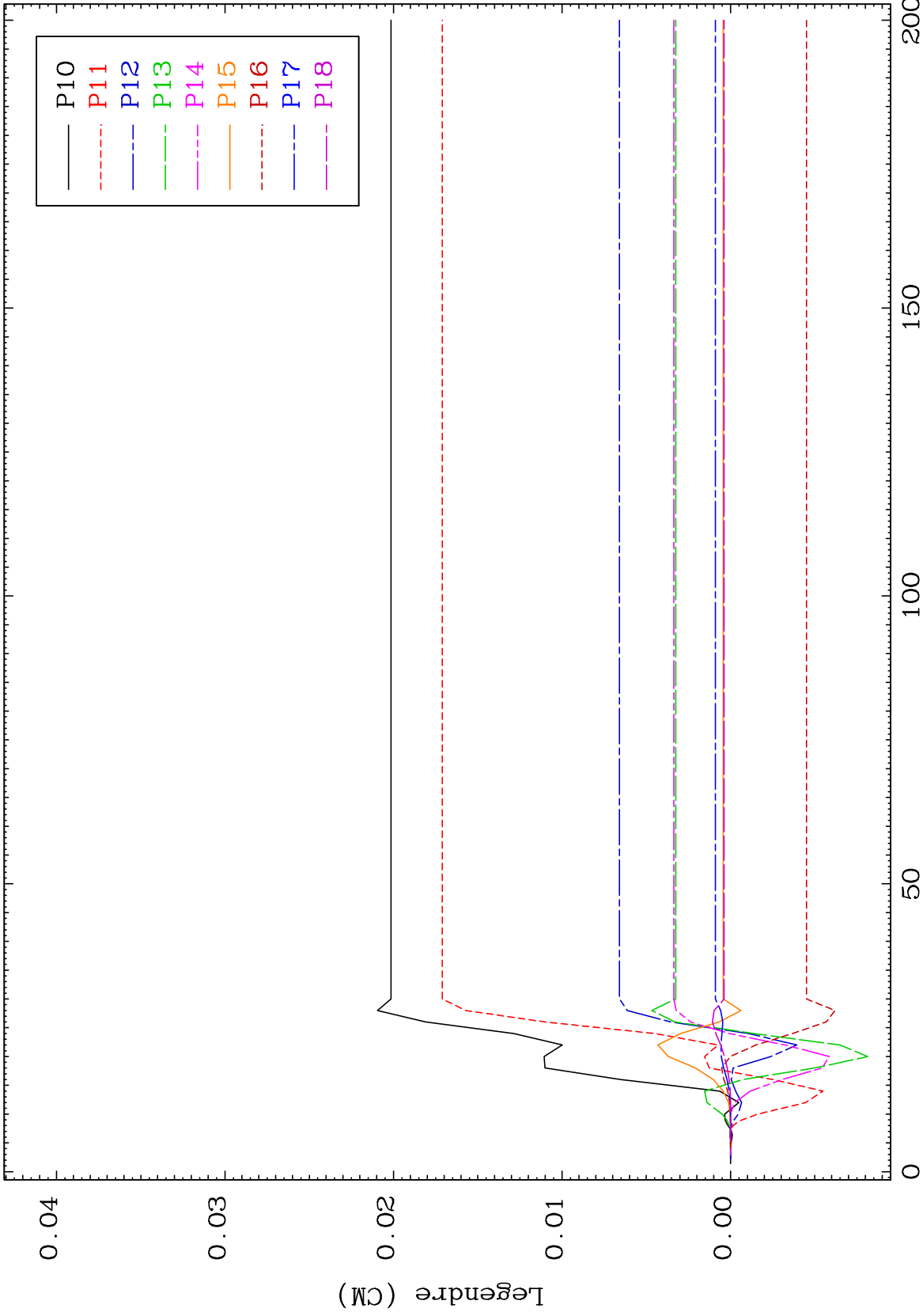
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



25

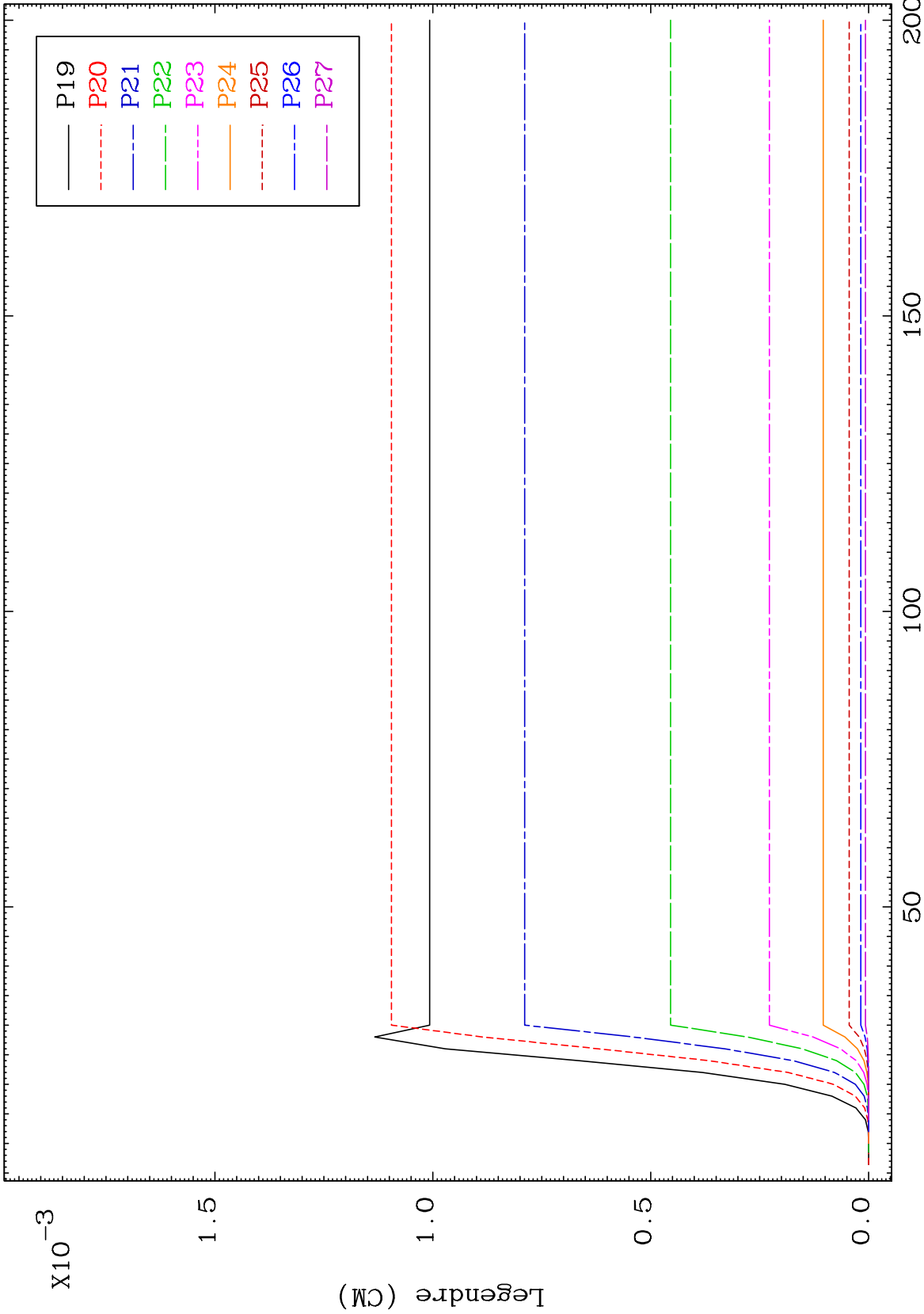
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



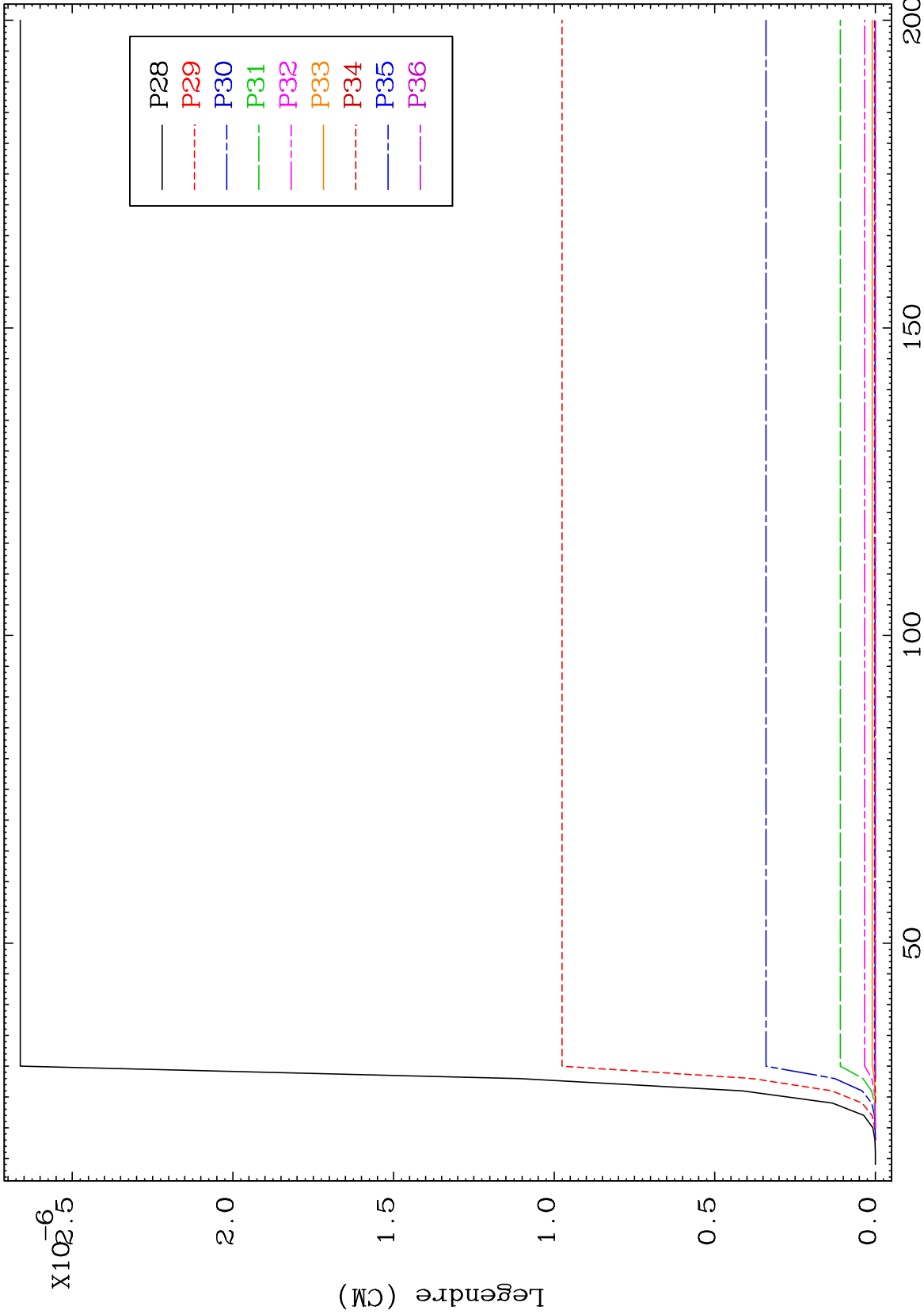
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54-Xe-131

MAT 5446

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

54-Xe-131



27

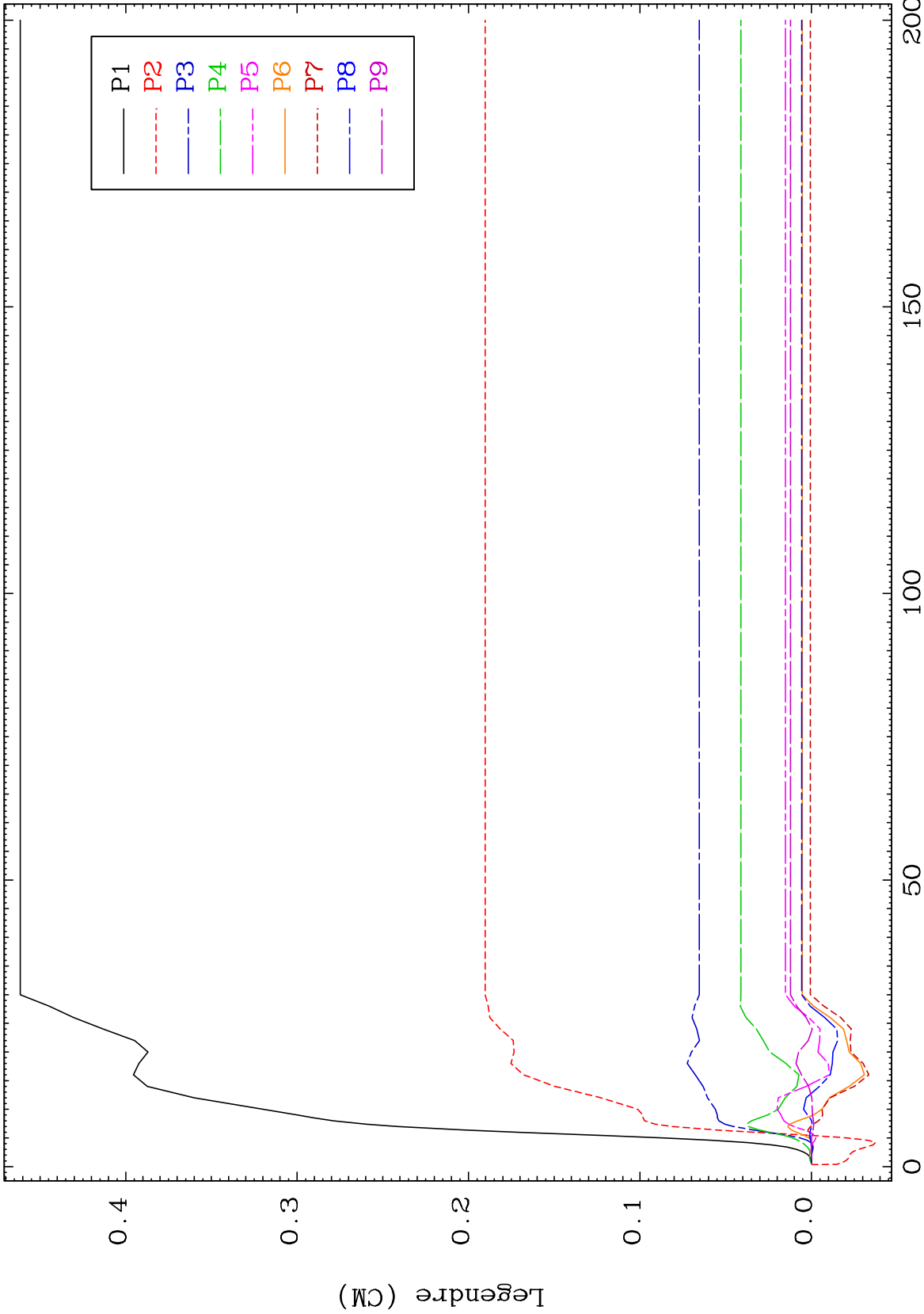
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



28

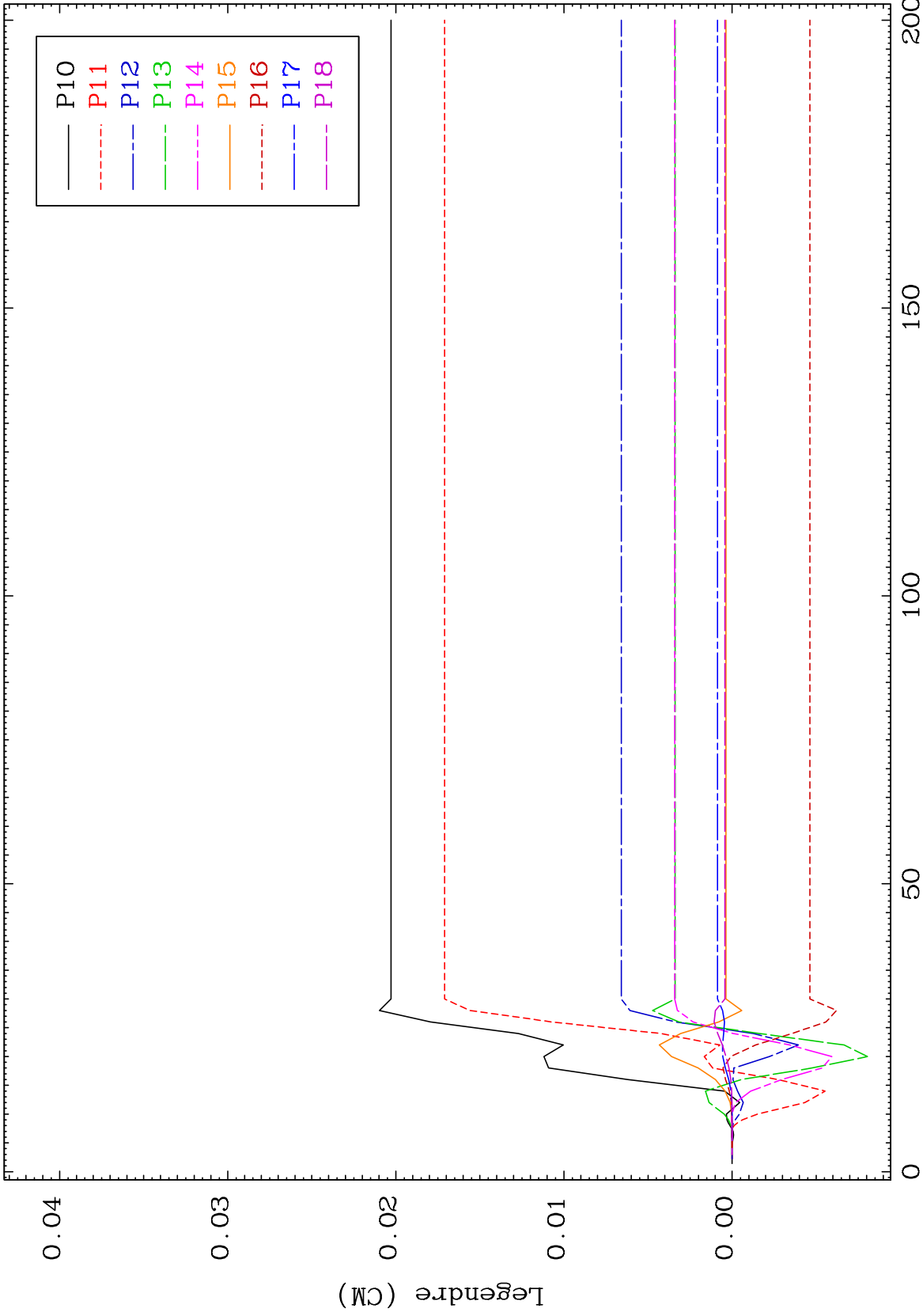
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



29

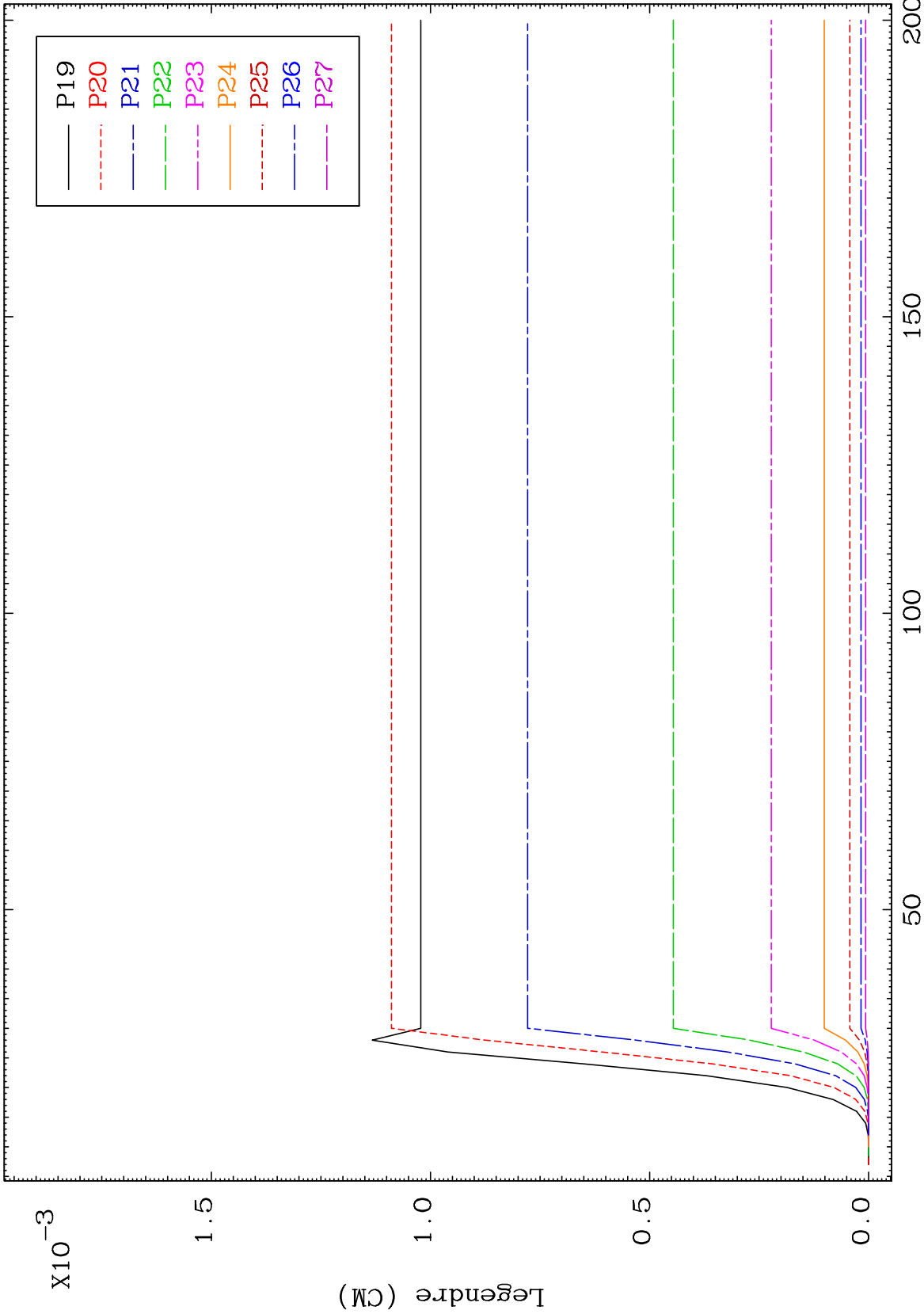
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



30

Incident Energy (MeV)

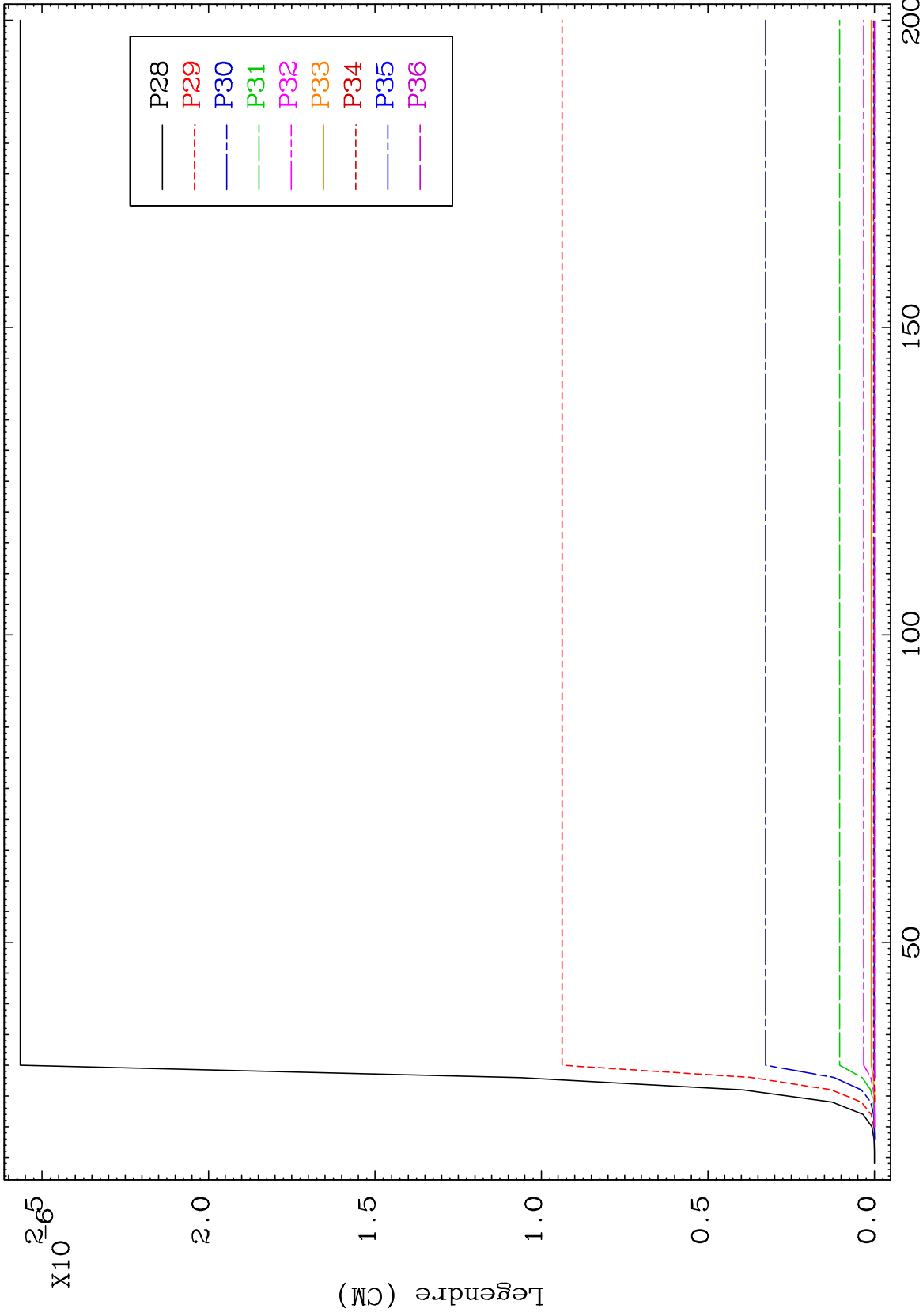
54-Xe-131

200

MAT 5446

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

54-Xe-131



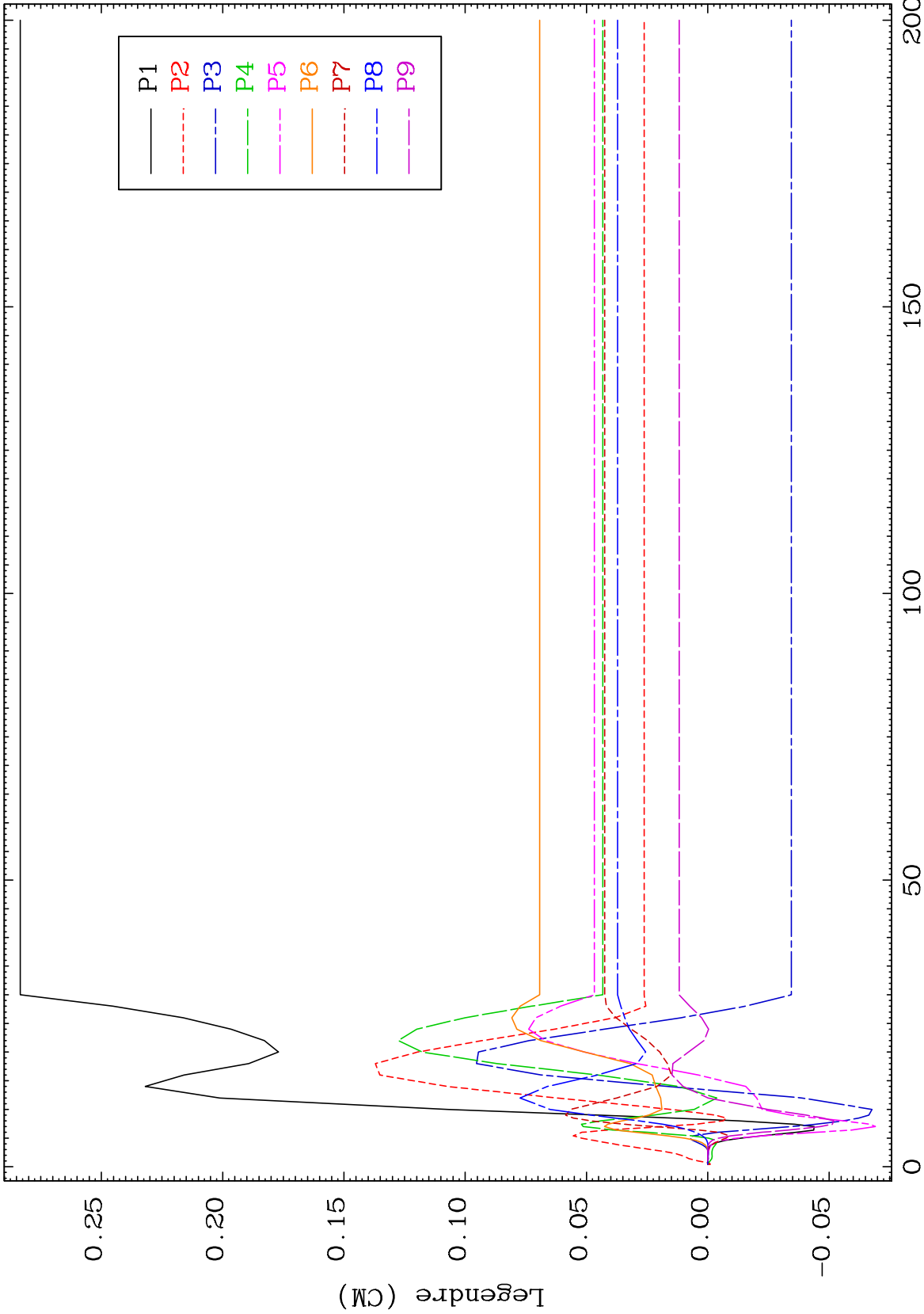
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54-Xe-131

MAT 5446

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

54-Xe-131



32

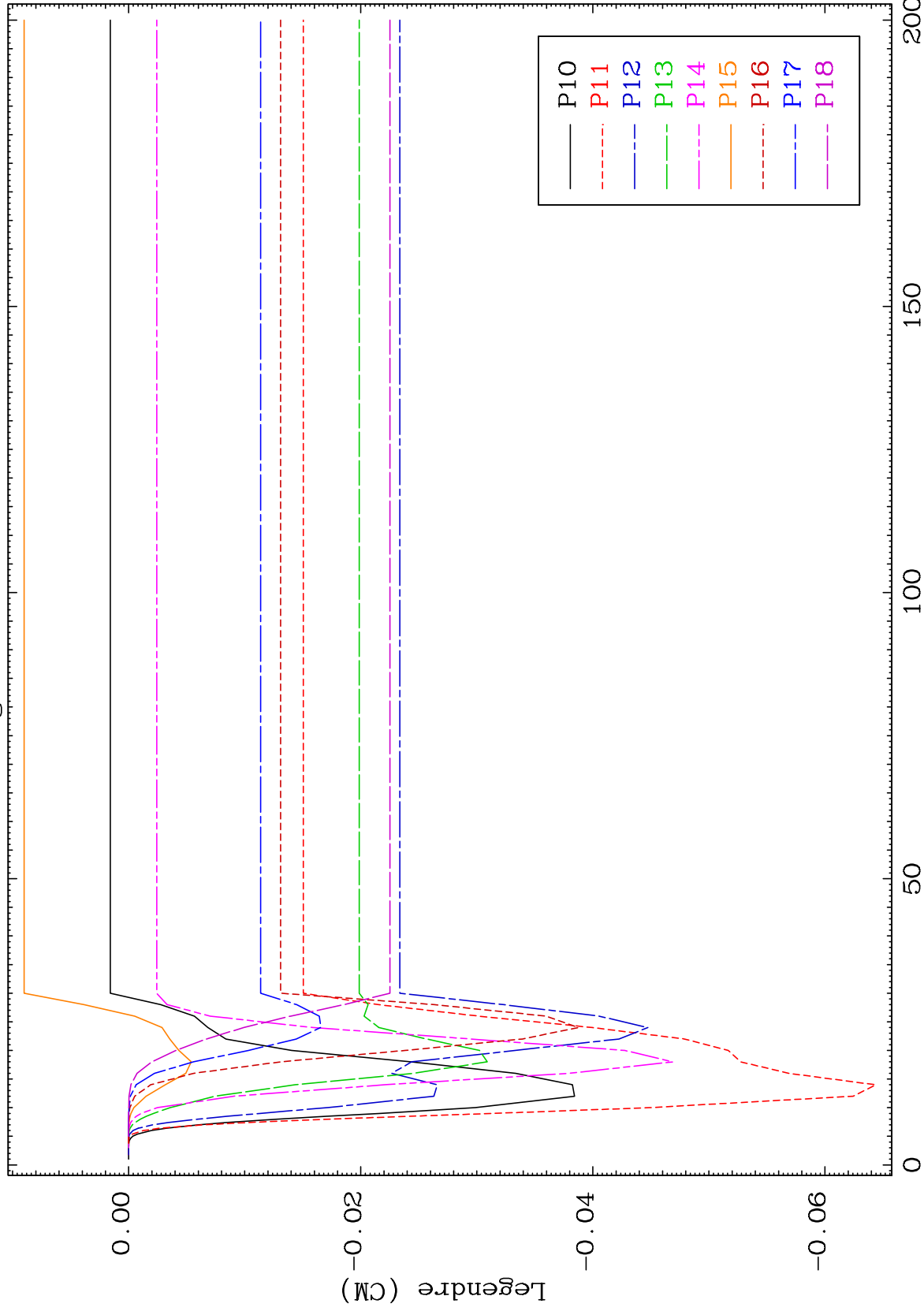
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131

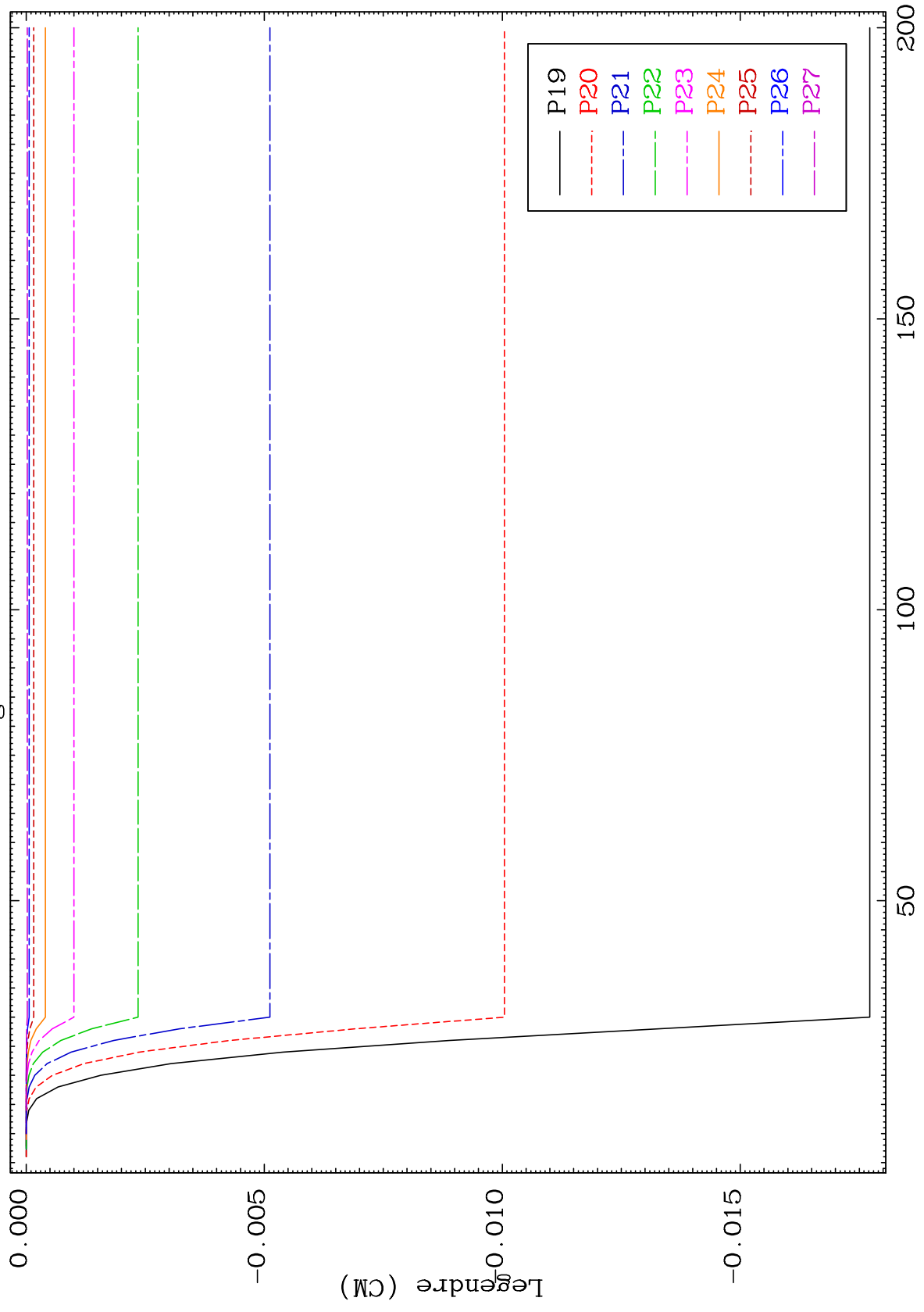


33

Incident Energy (MeV)

54-Xe-131

MAT 5446 MT= 54 (n,n') Level Legendre Coefficients 54-Xe-131

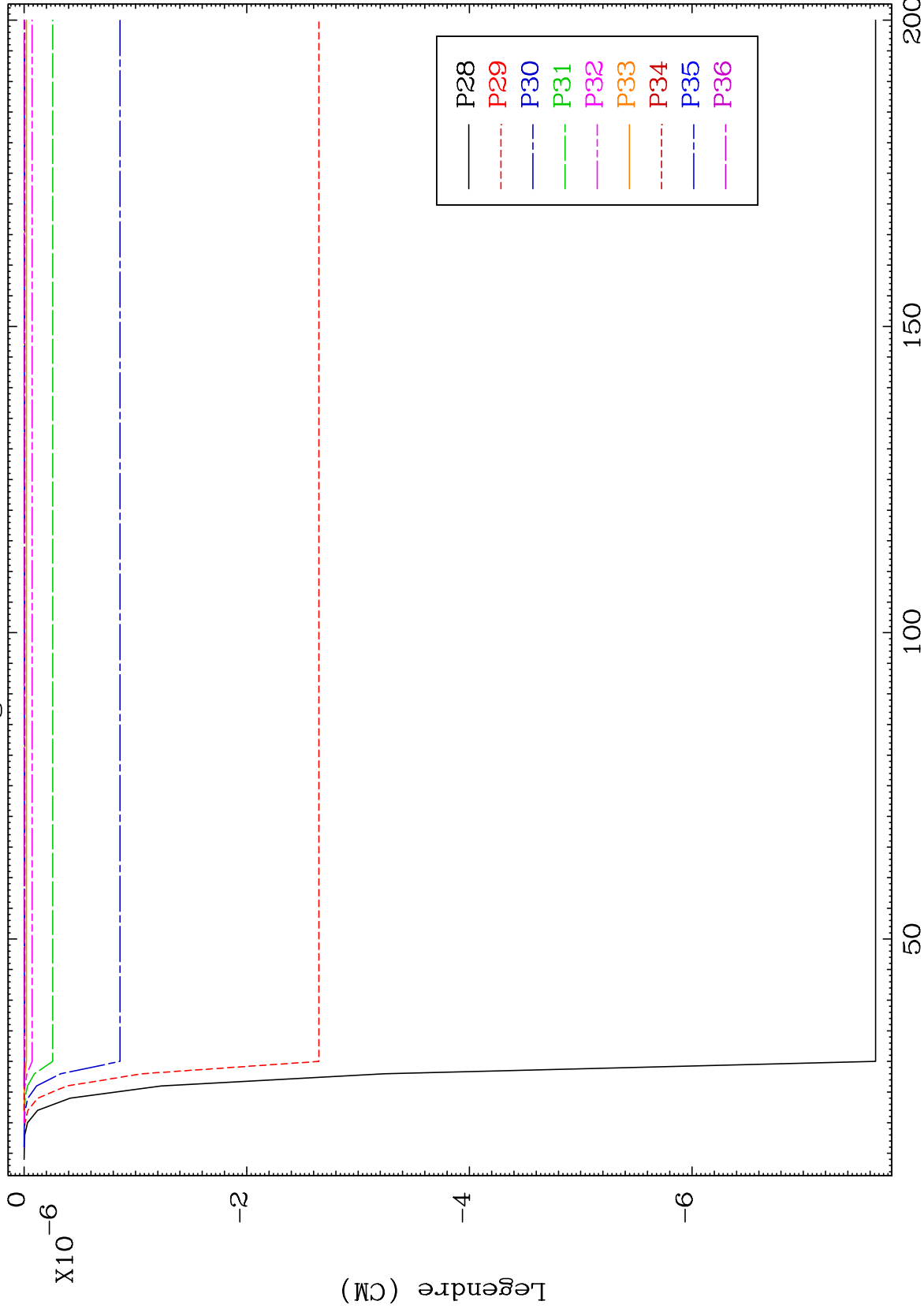


34 54-Xe-131

MAT 5446

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

54-Xe-131



54-Xe-131

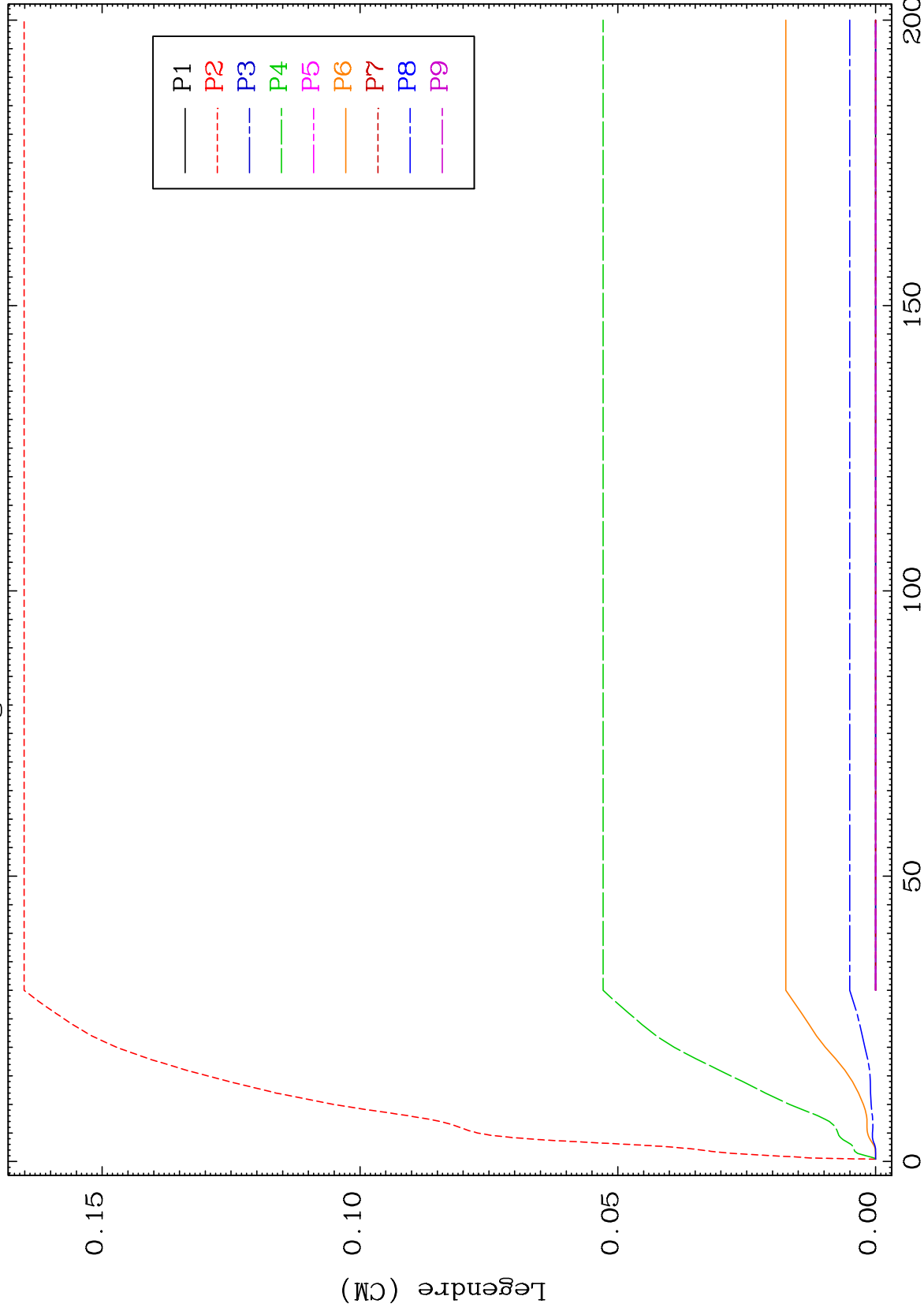
Incident Energy (MeV)

35

MAT 5446

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

54-Xe-131



36

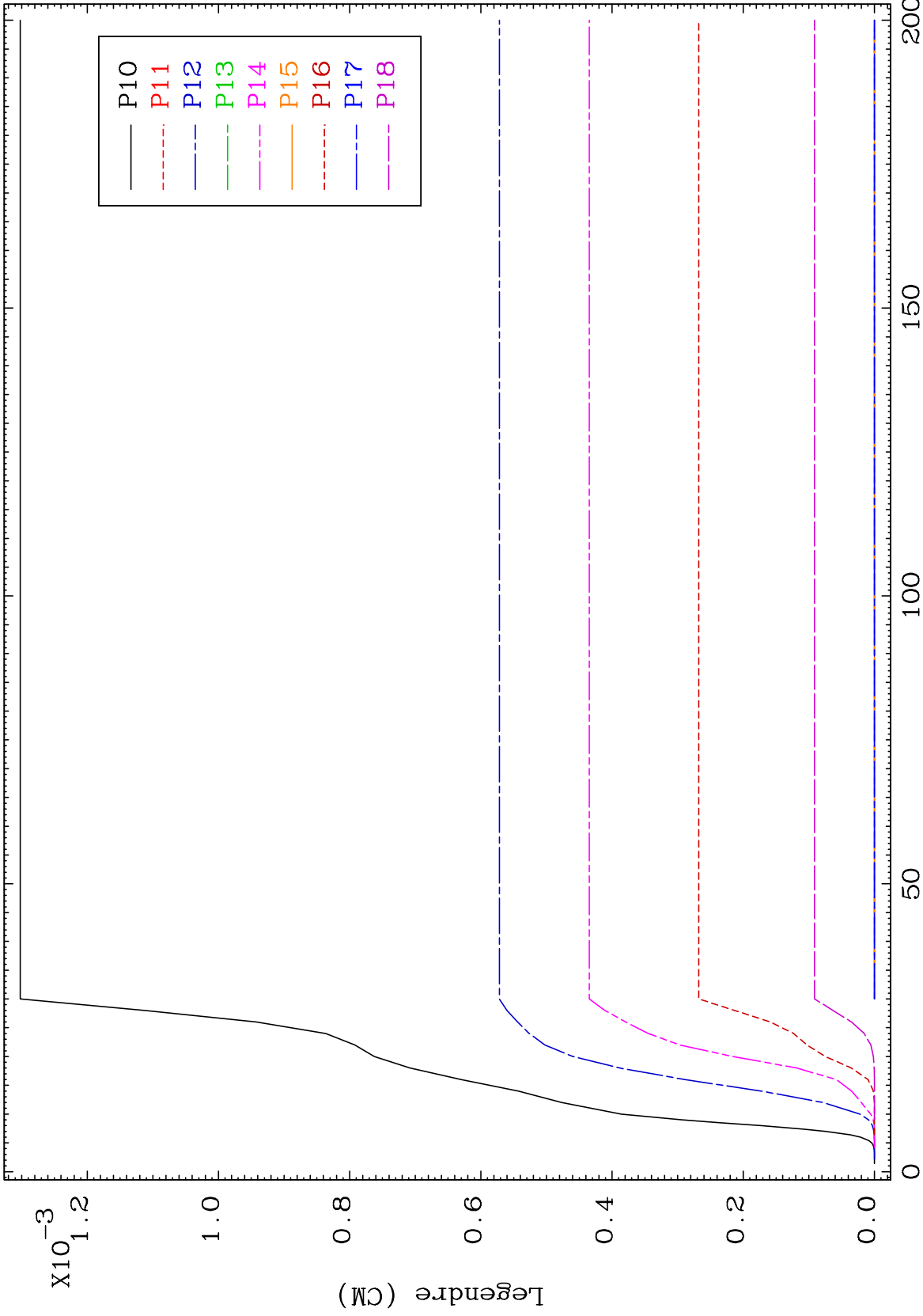
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



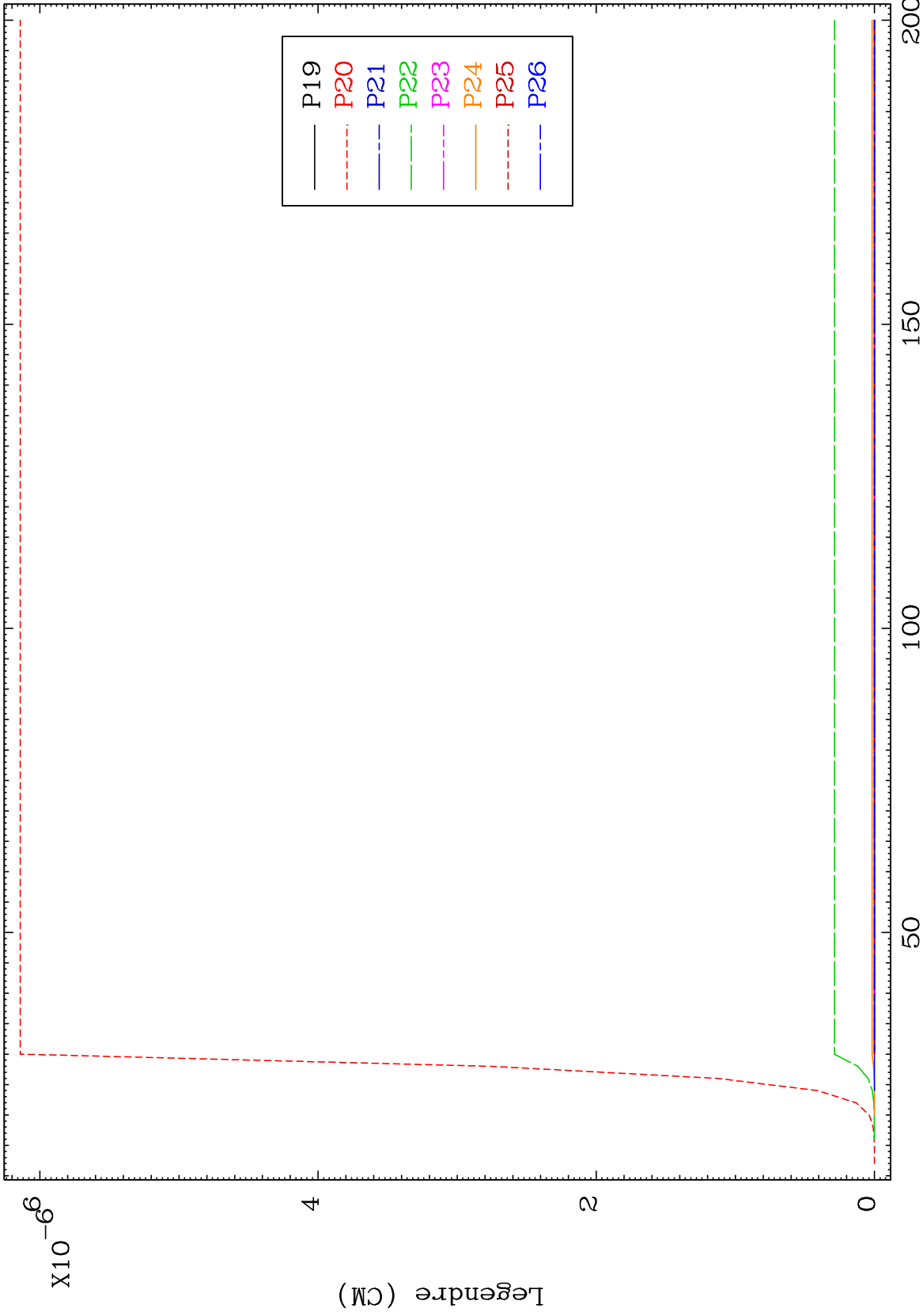
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54-Xe-131

MAT 5446

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

54-Xe-131



38

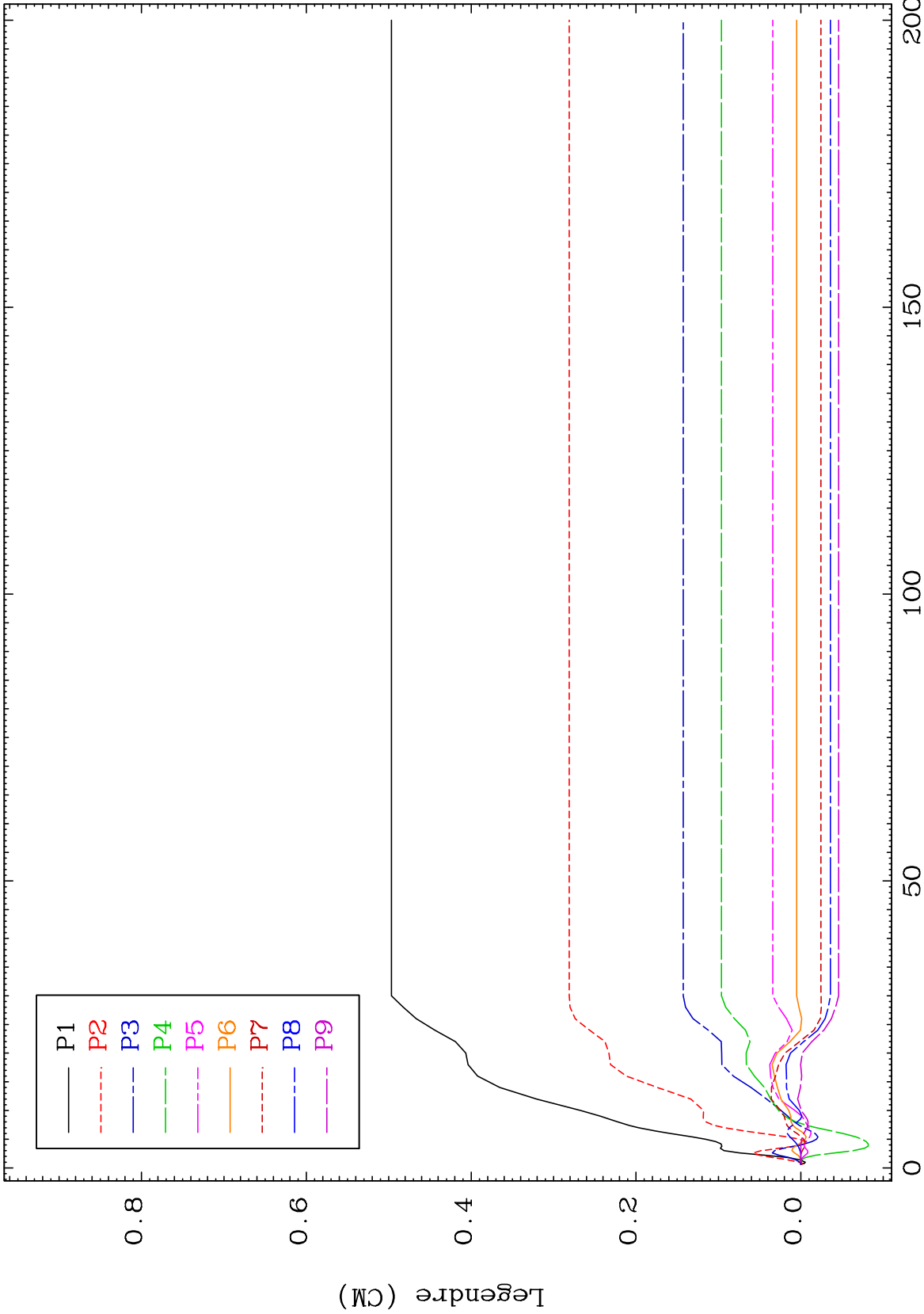
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



39

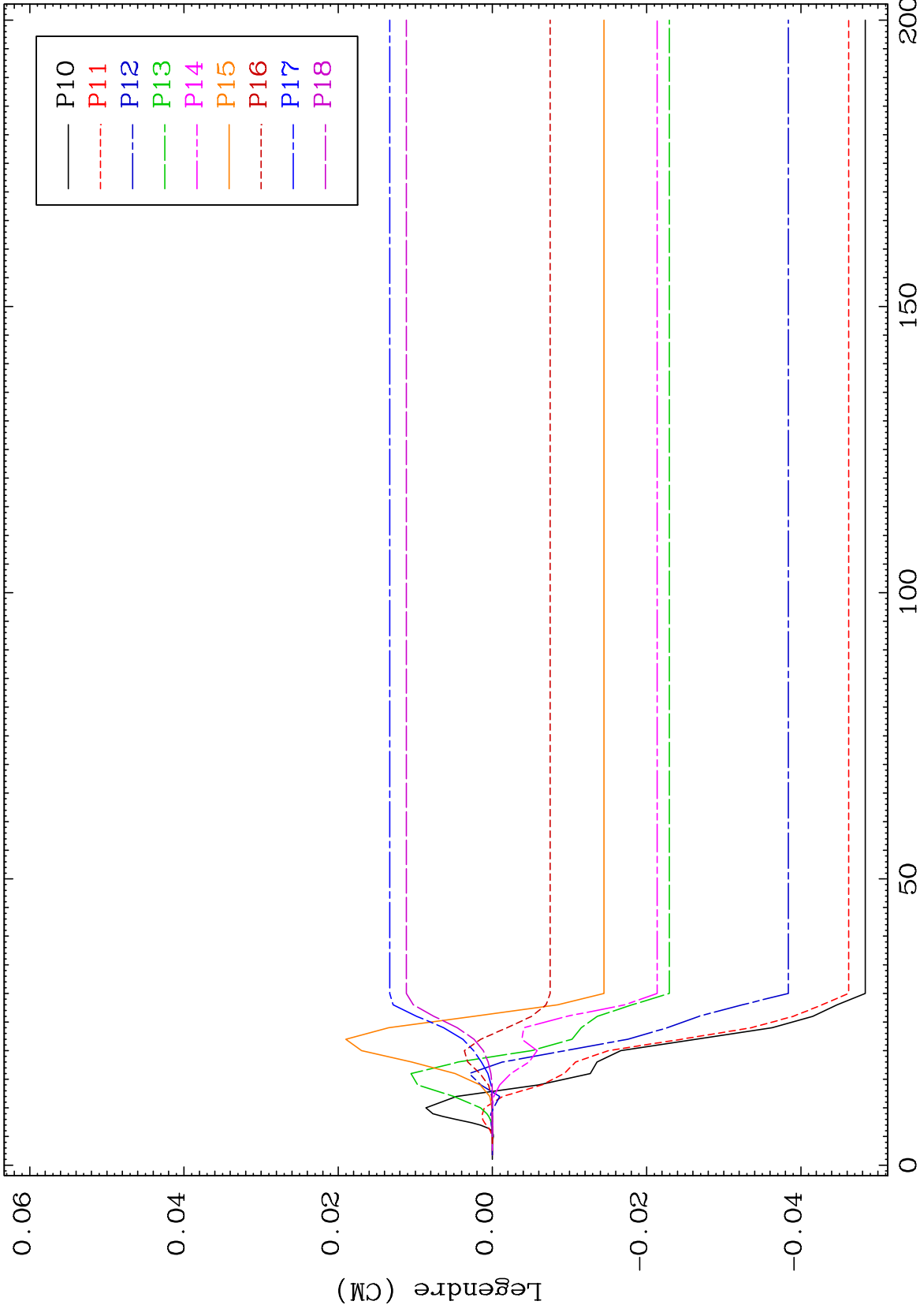
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



54-Xe-131

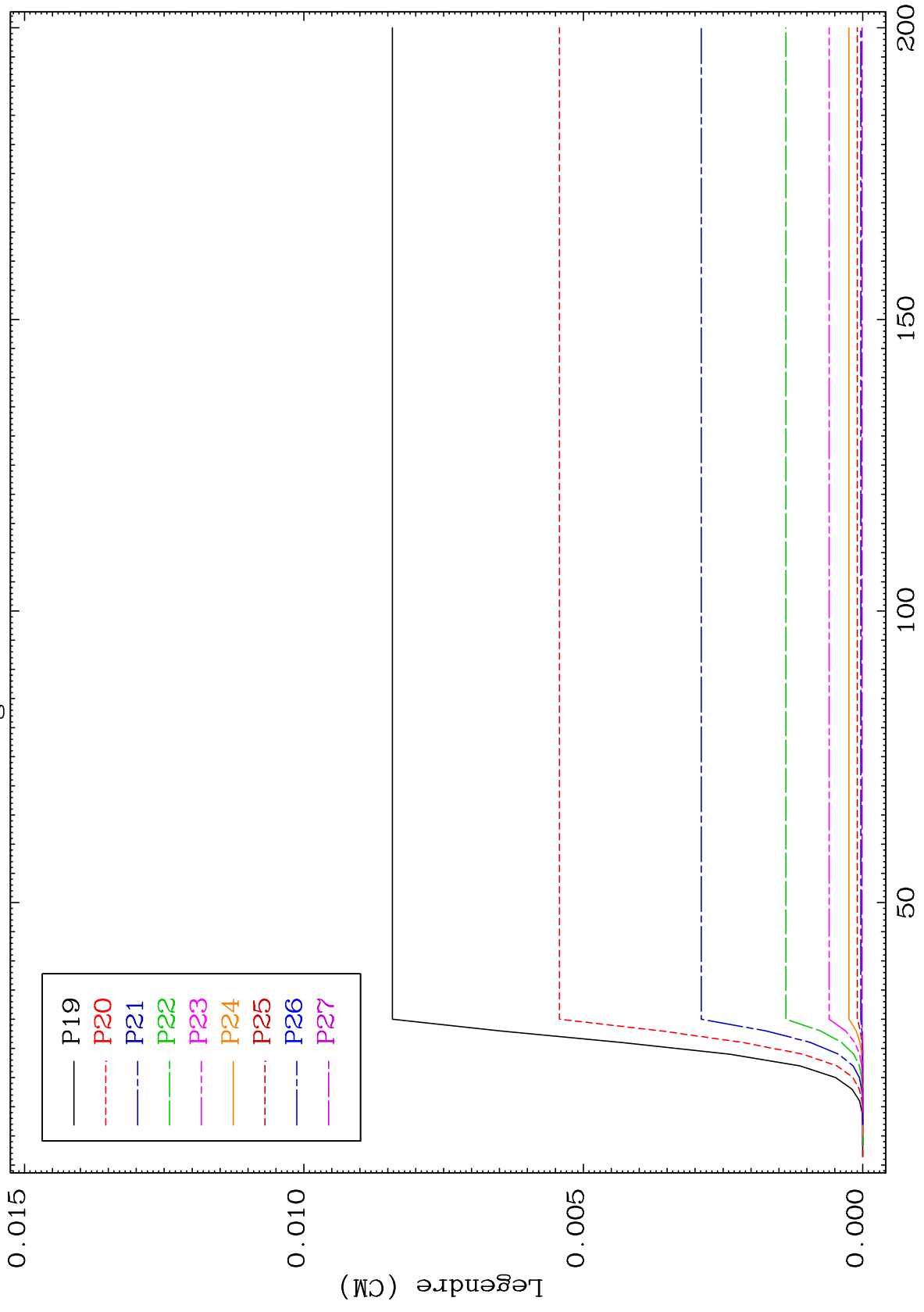
Incident Energy (MeV)

Legendre (cm)

MAT 5446

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

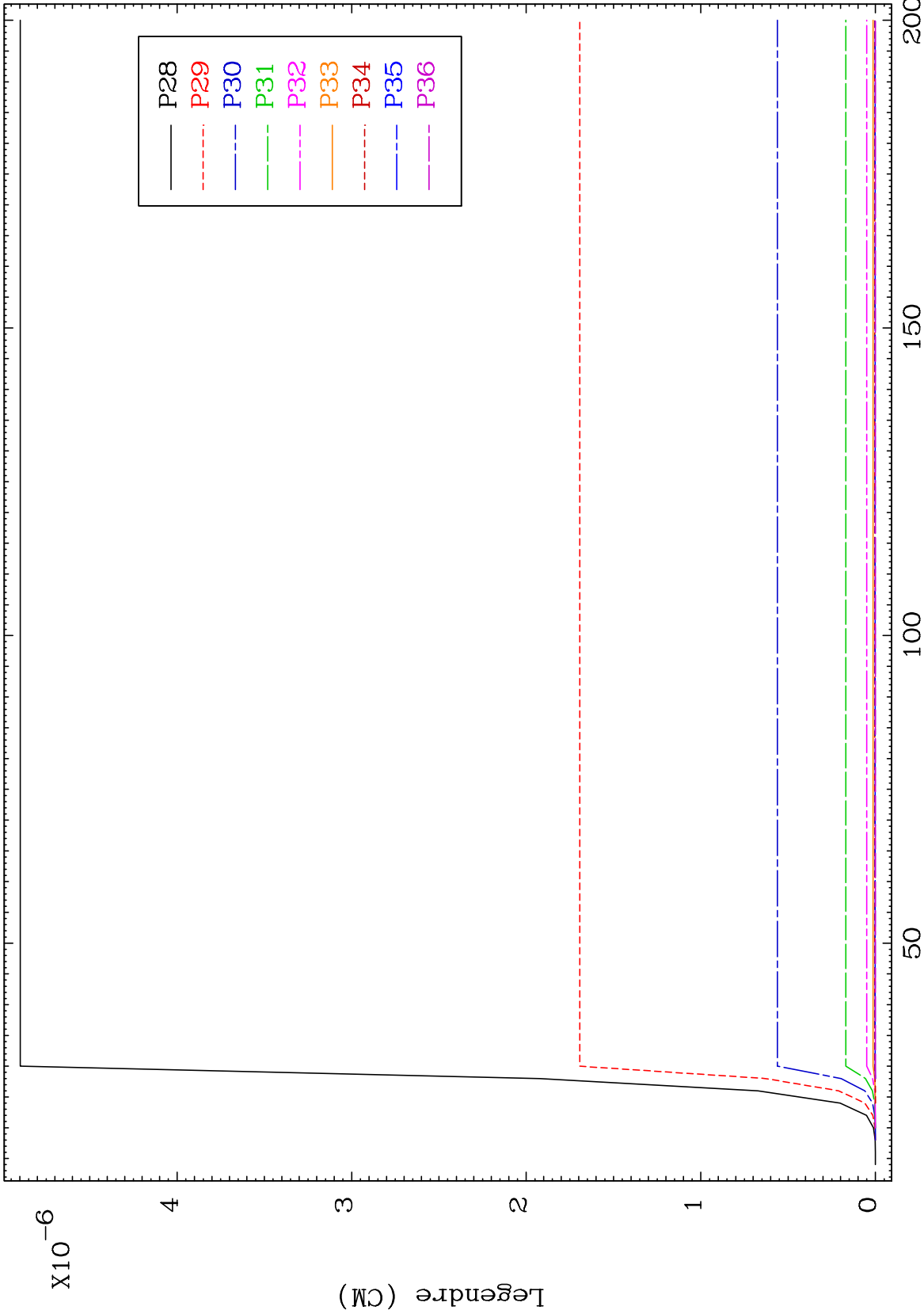
54-Xe-131



MAT 5446

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

54-Xe-131



42

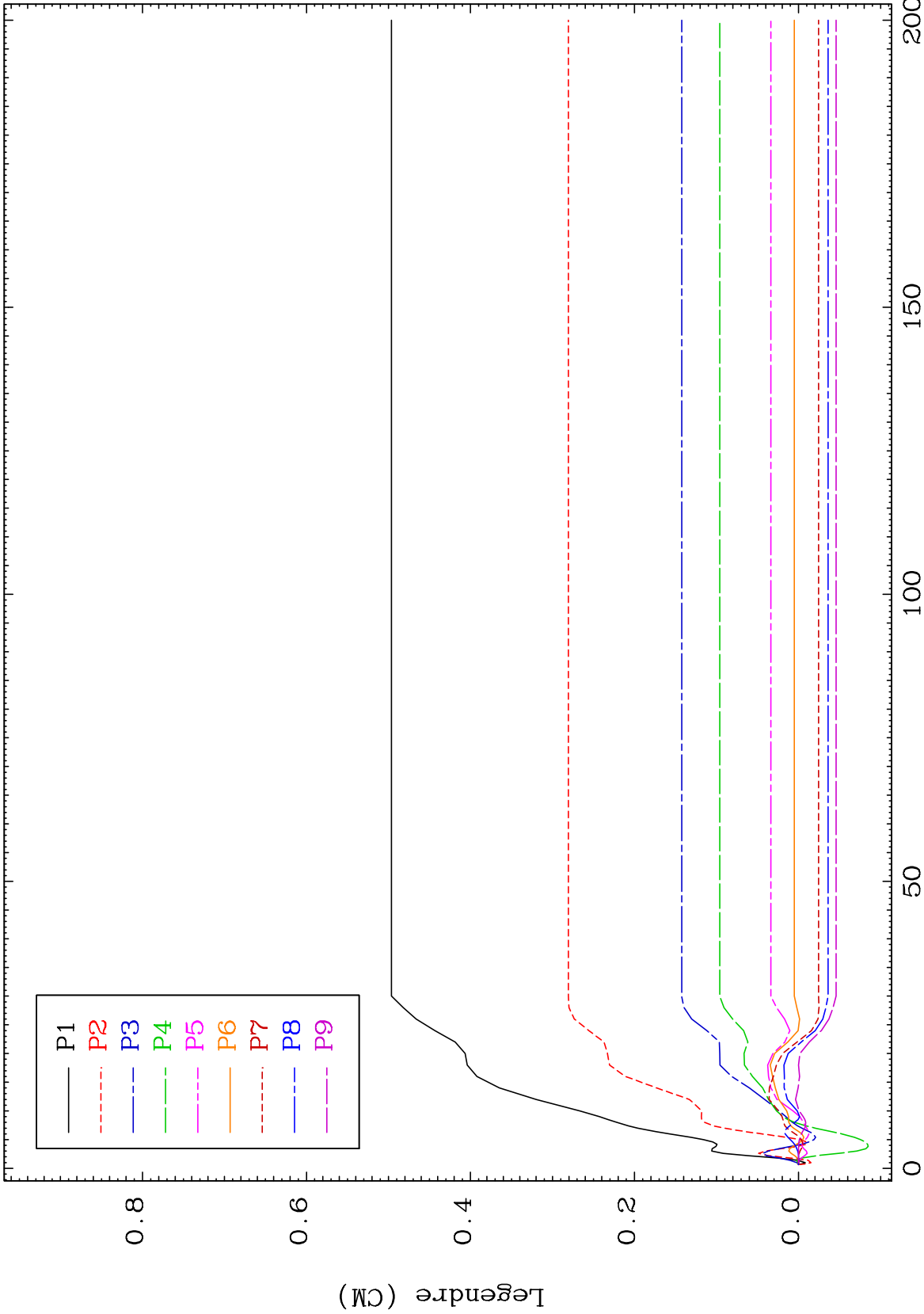
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



43

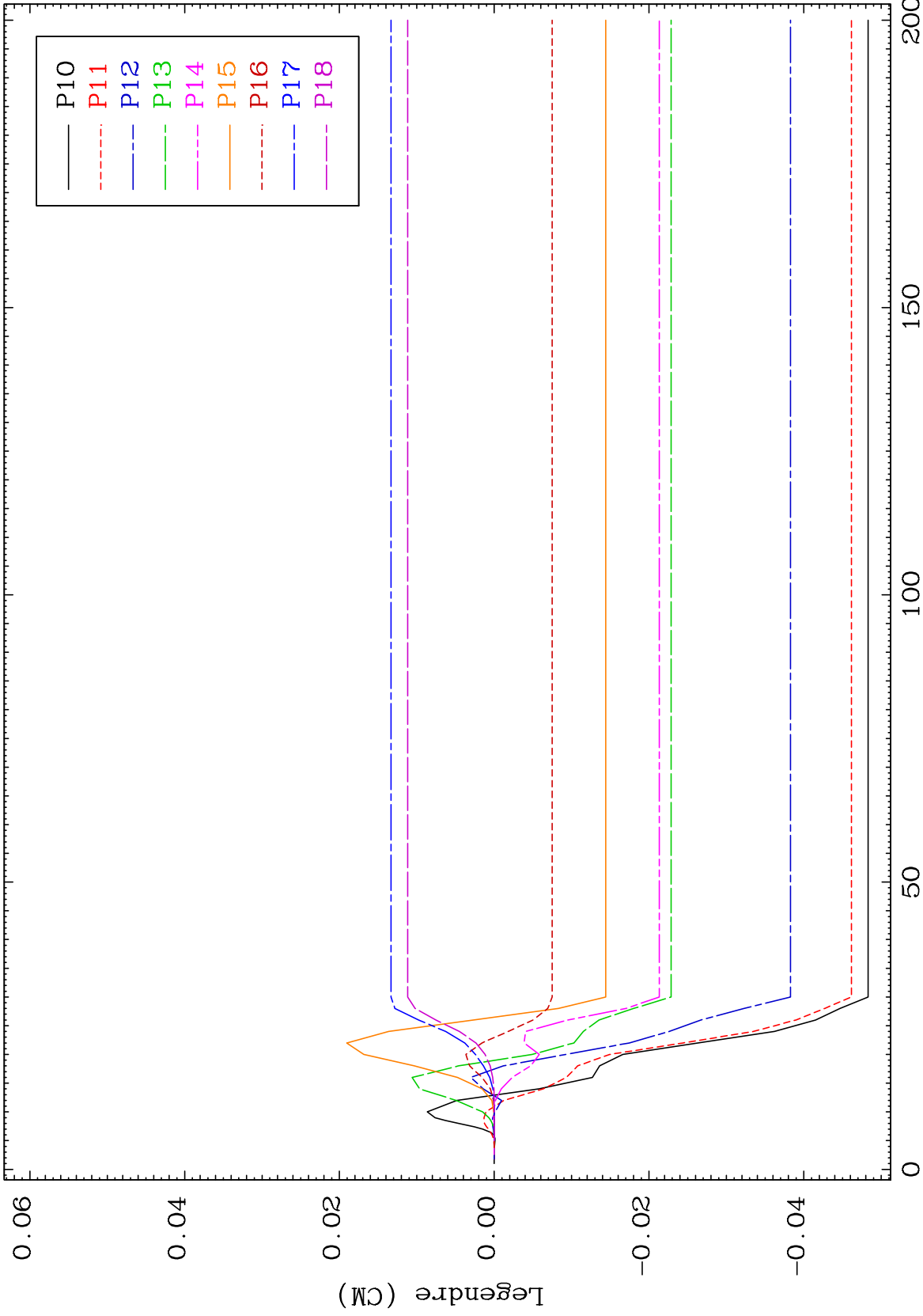
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



44

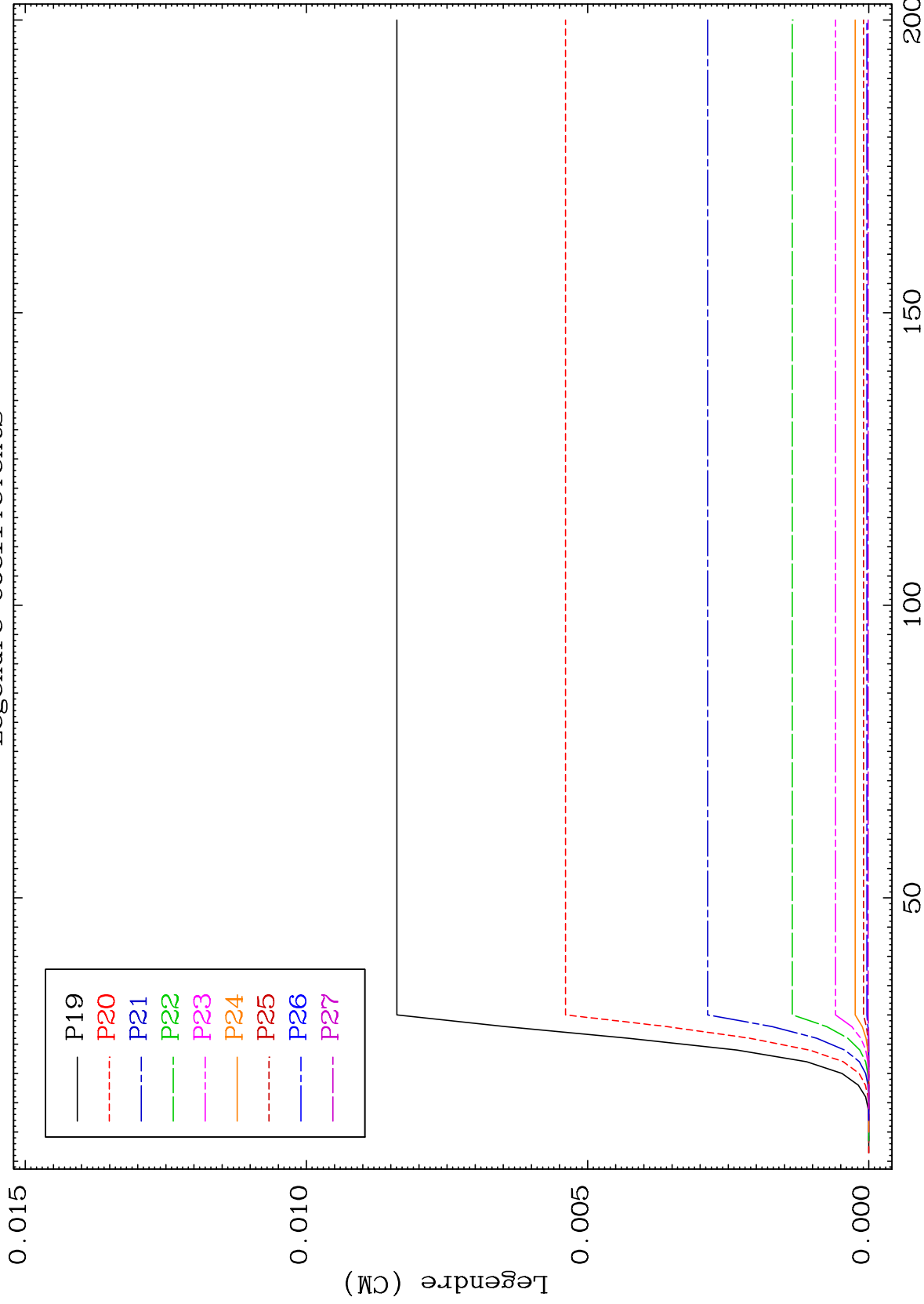
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



45

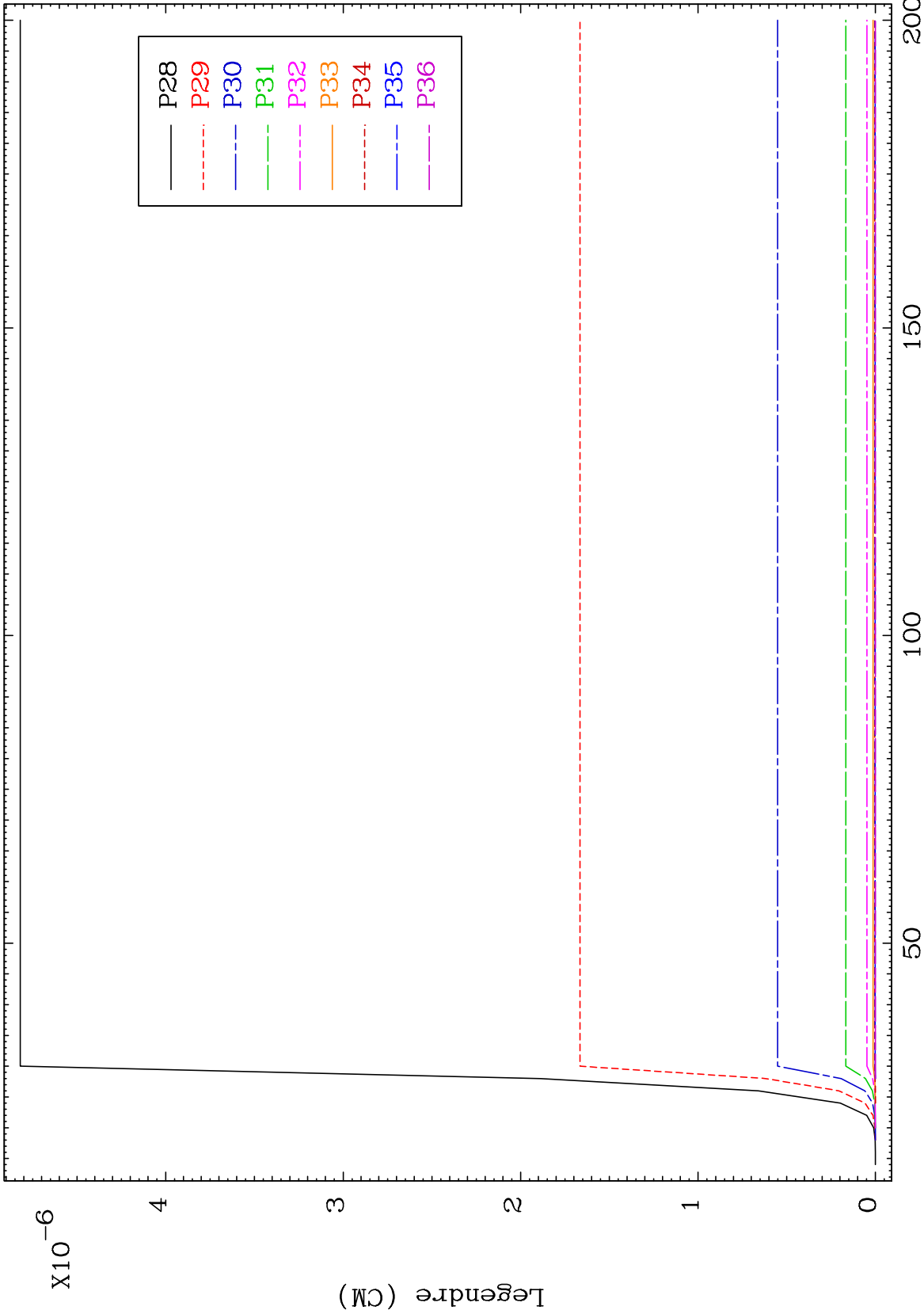
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



46

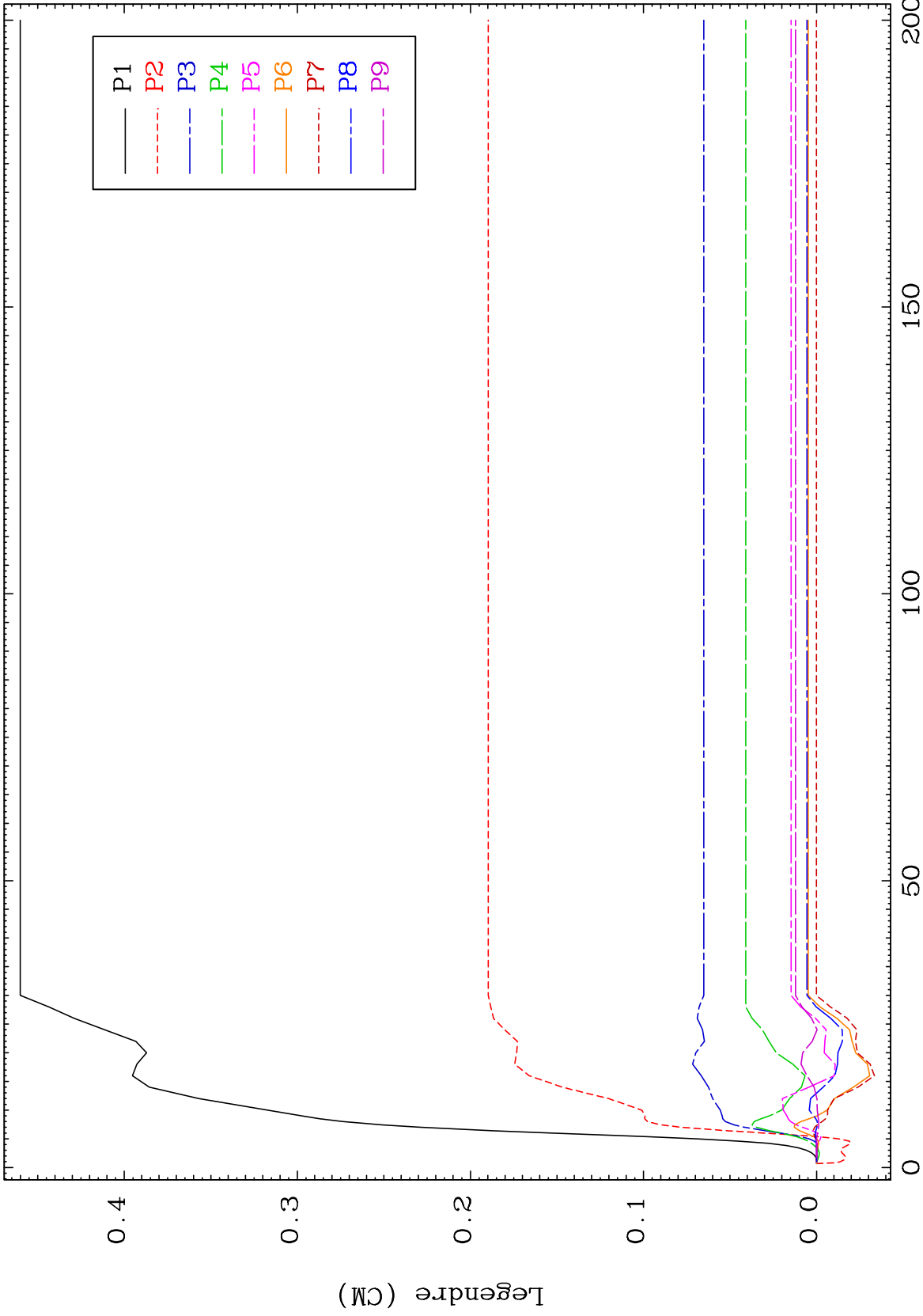
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



47

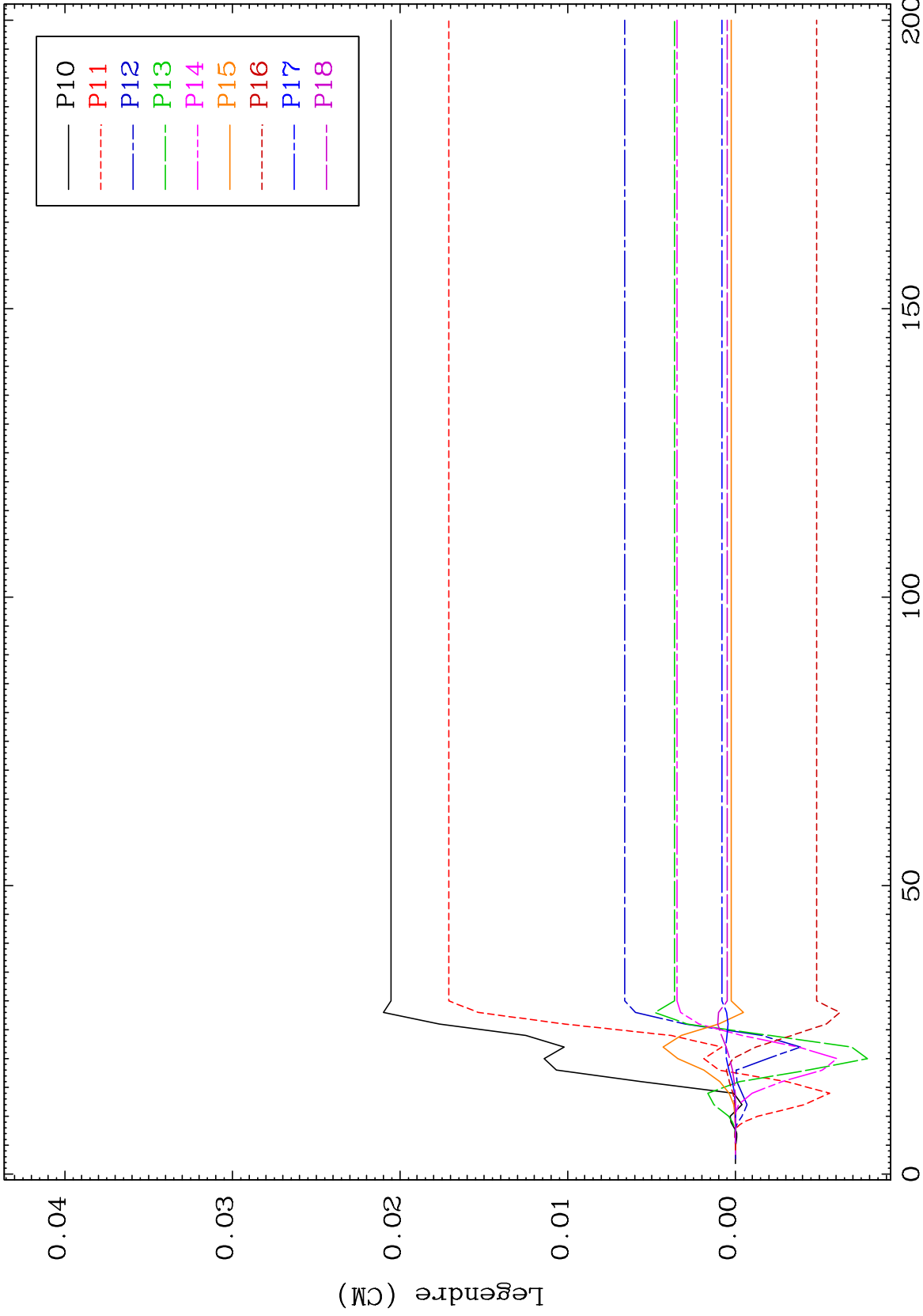
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



48

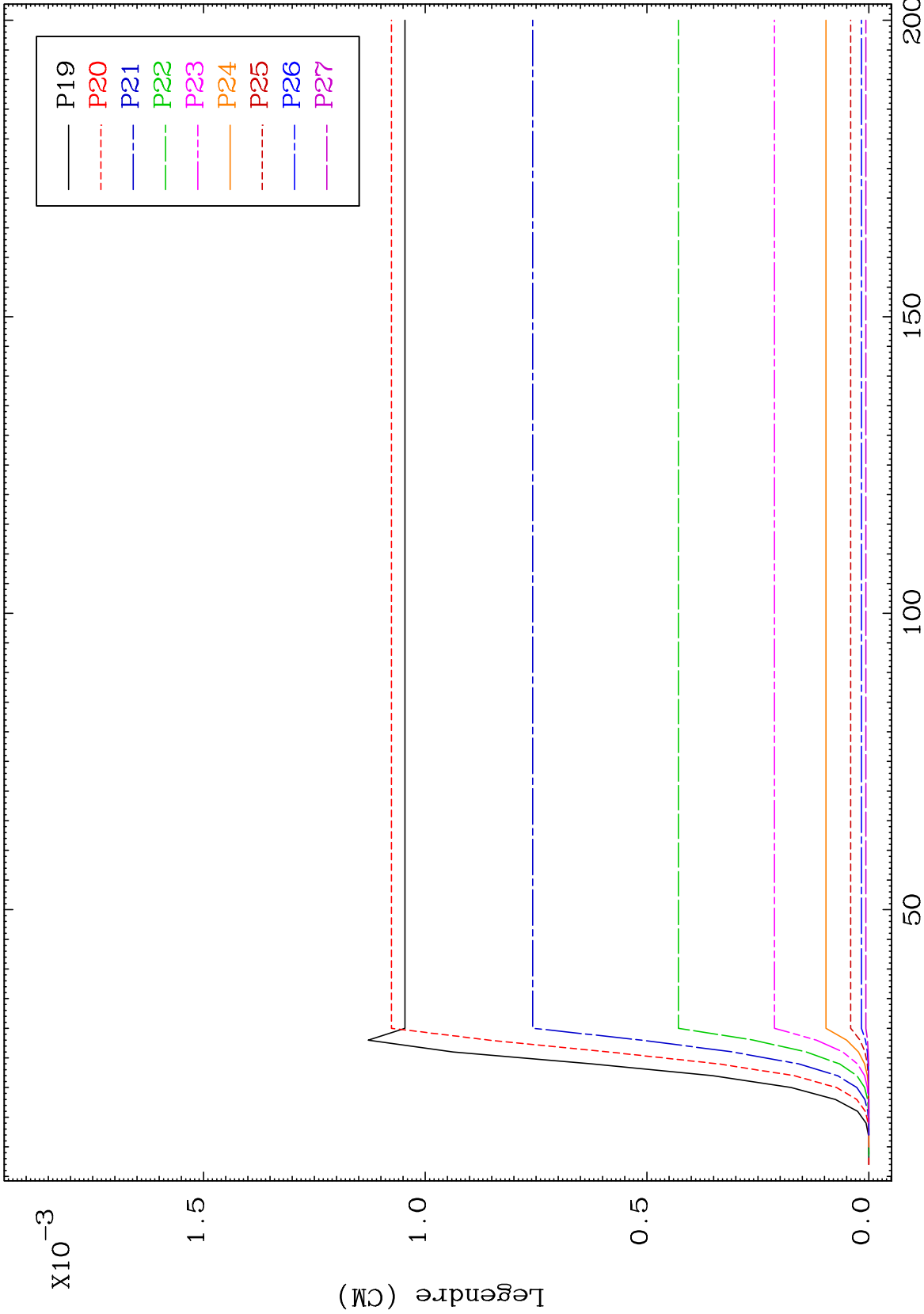
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



49

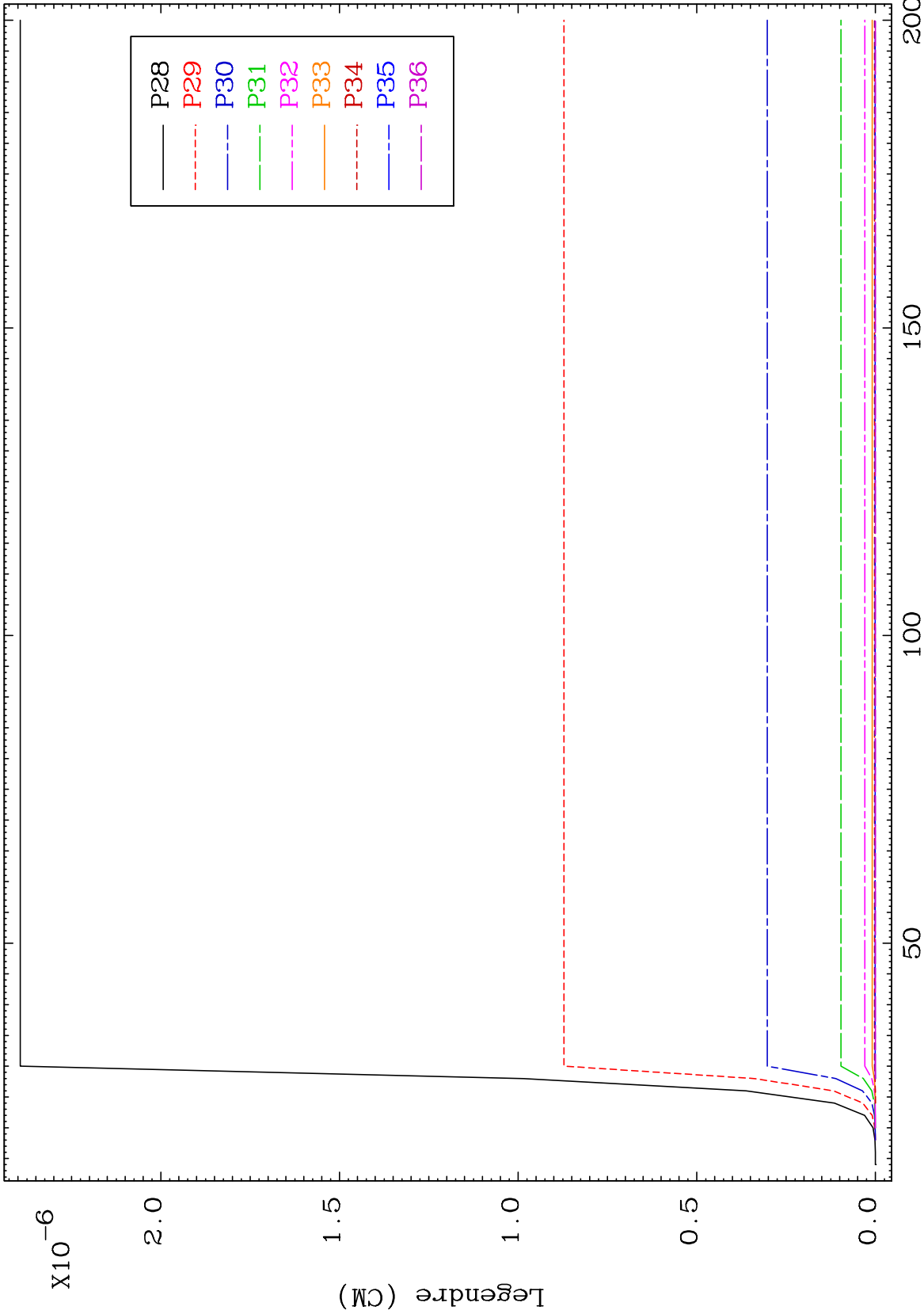
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



50

50

100

150

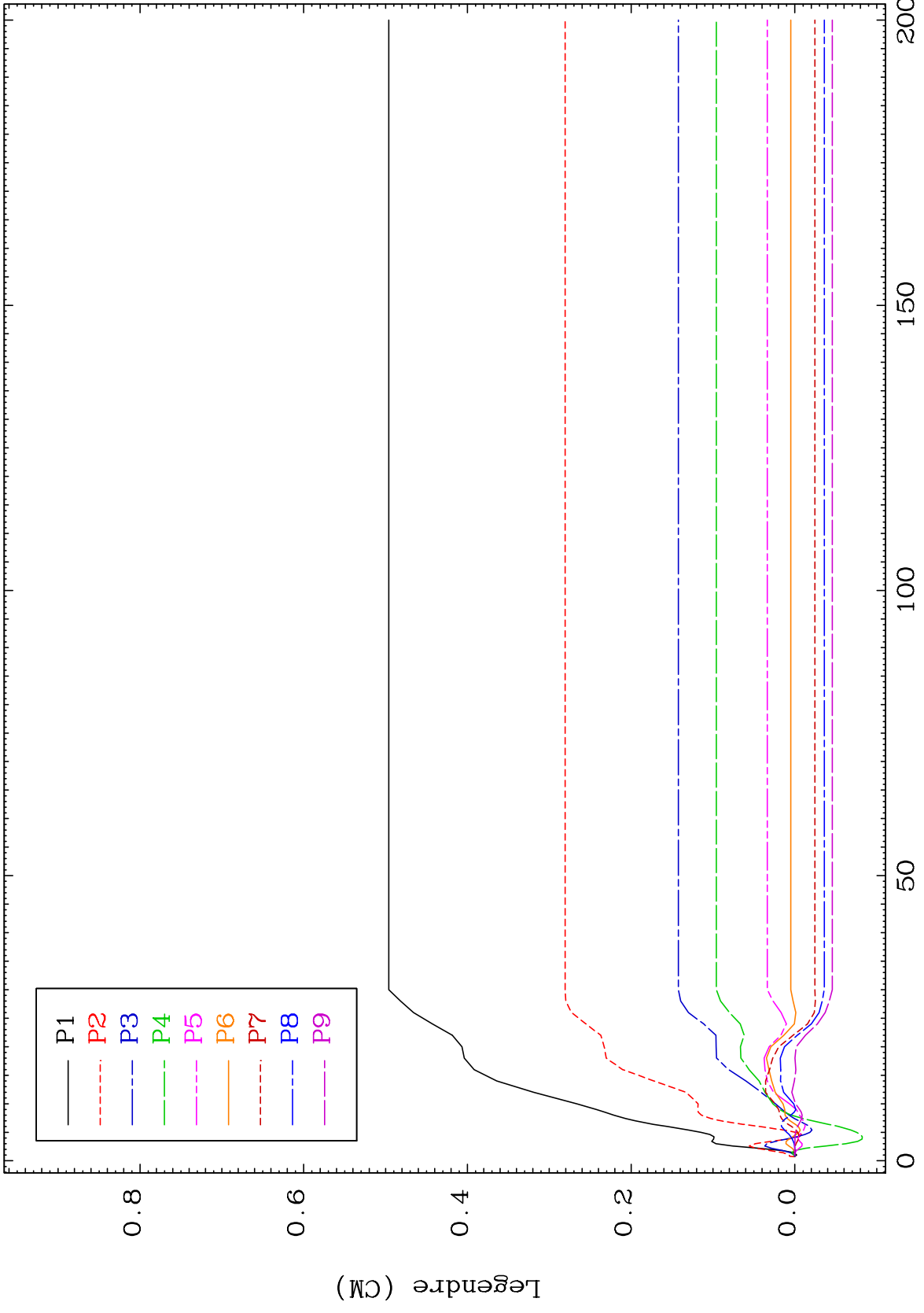
200

54-Xe-131

MAT 5446

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

54-Xe-131



51

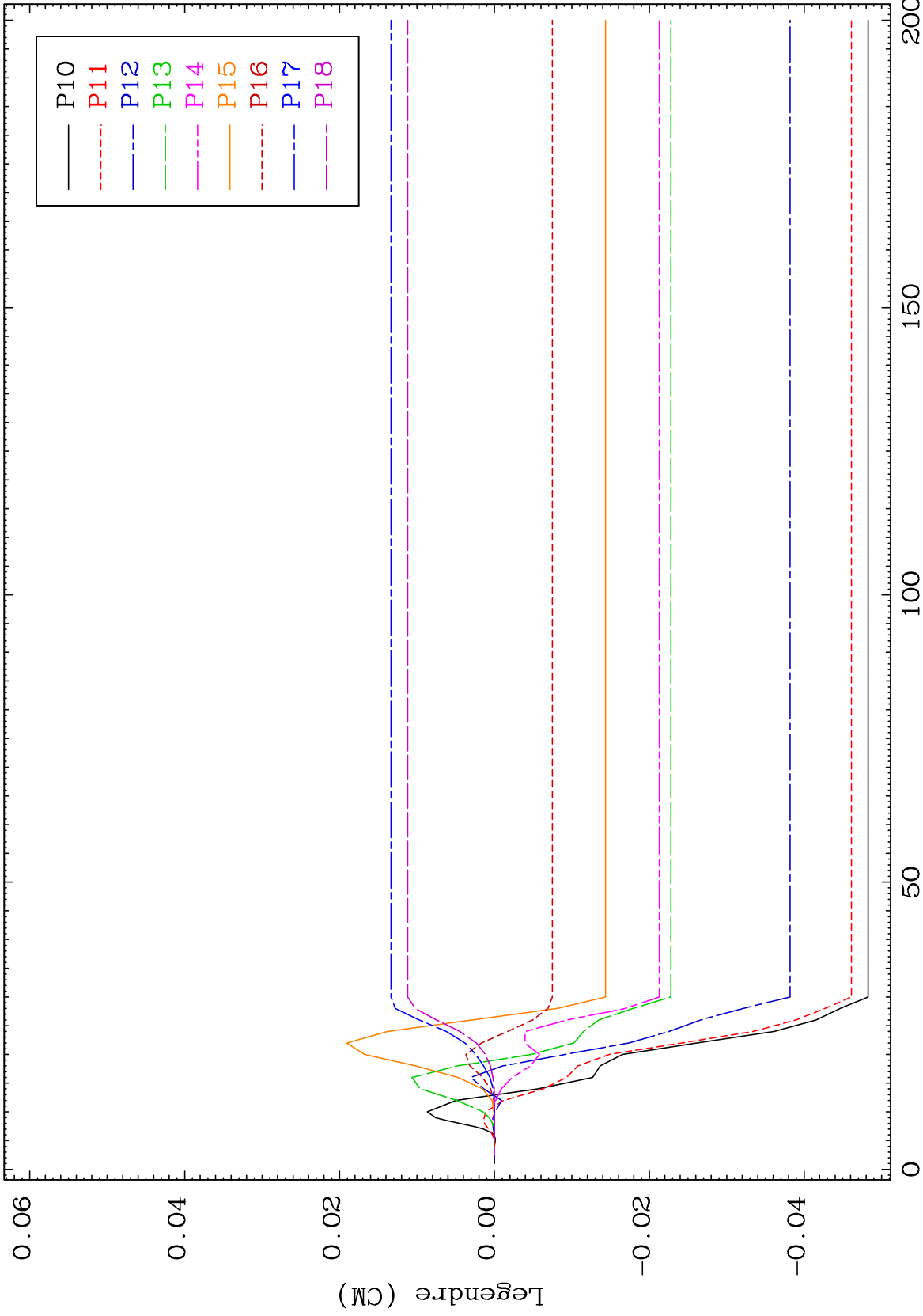
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



52

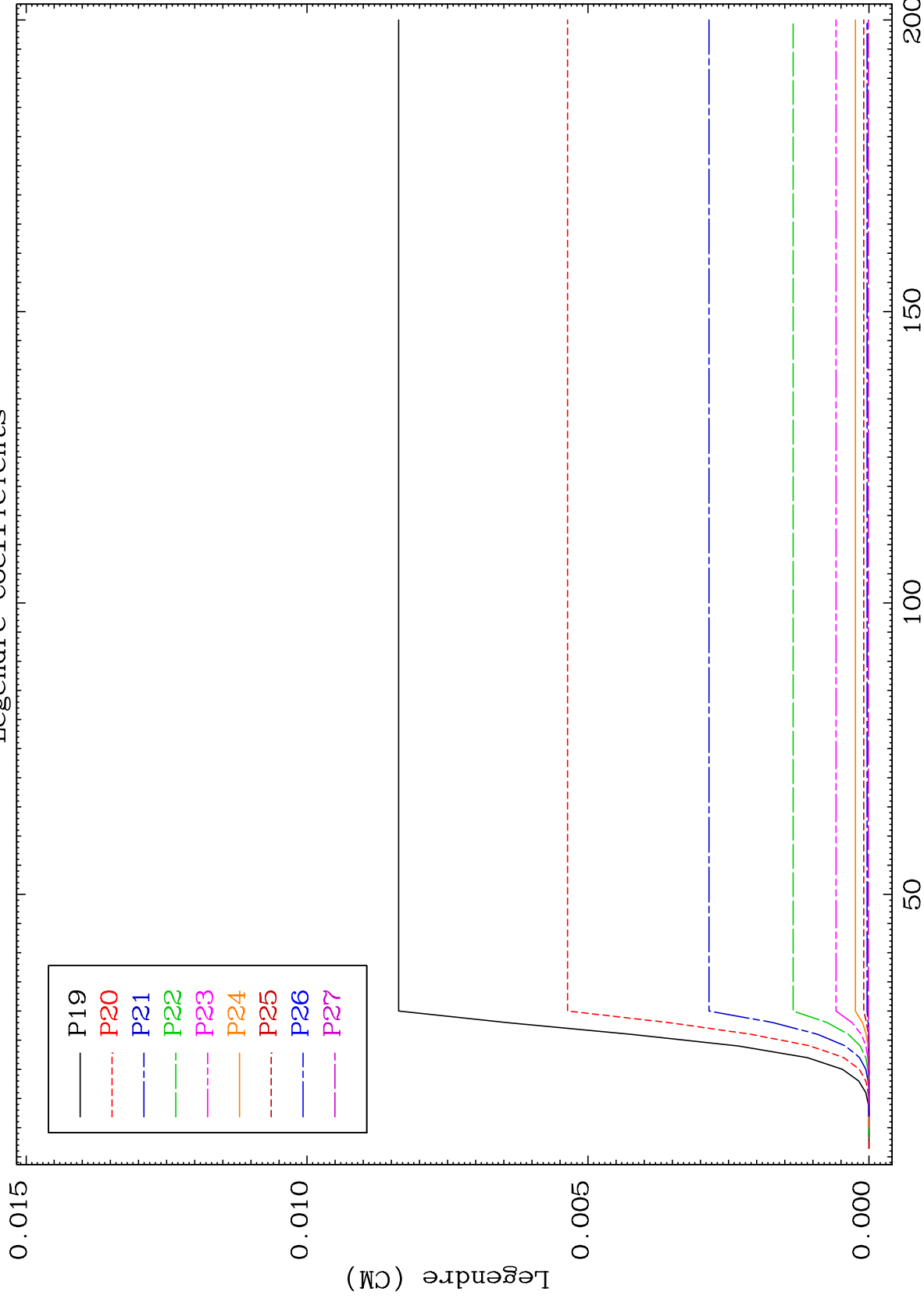
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



53

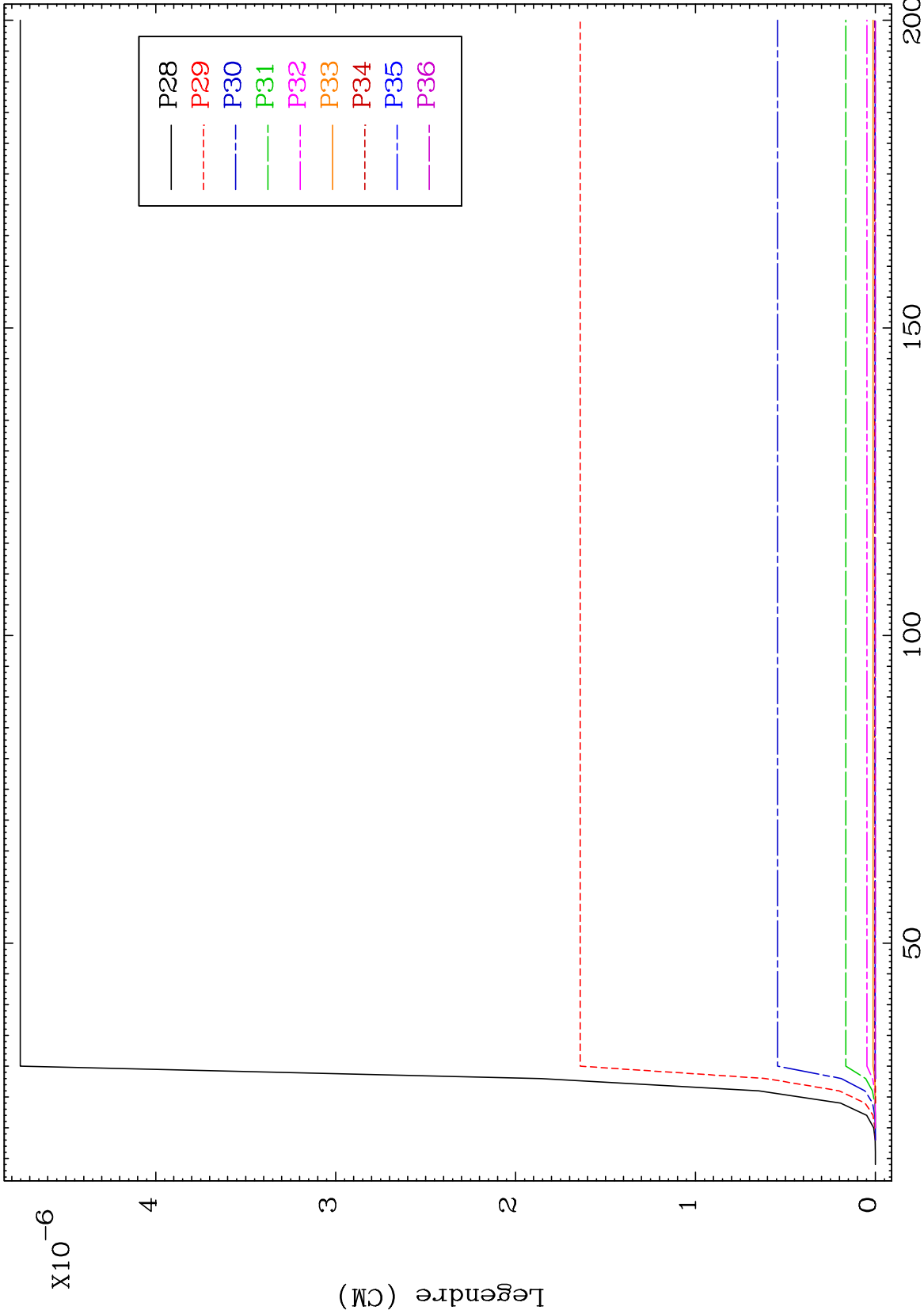
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



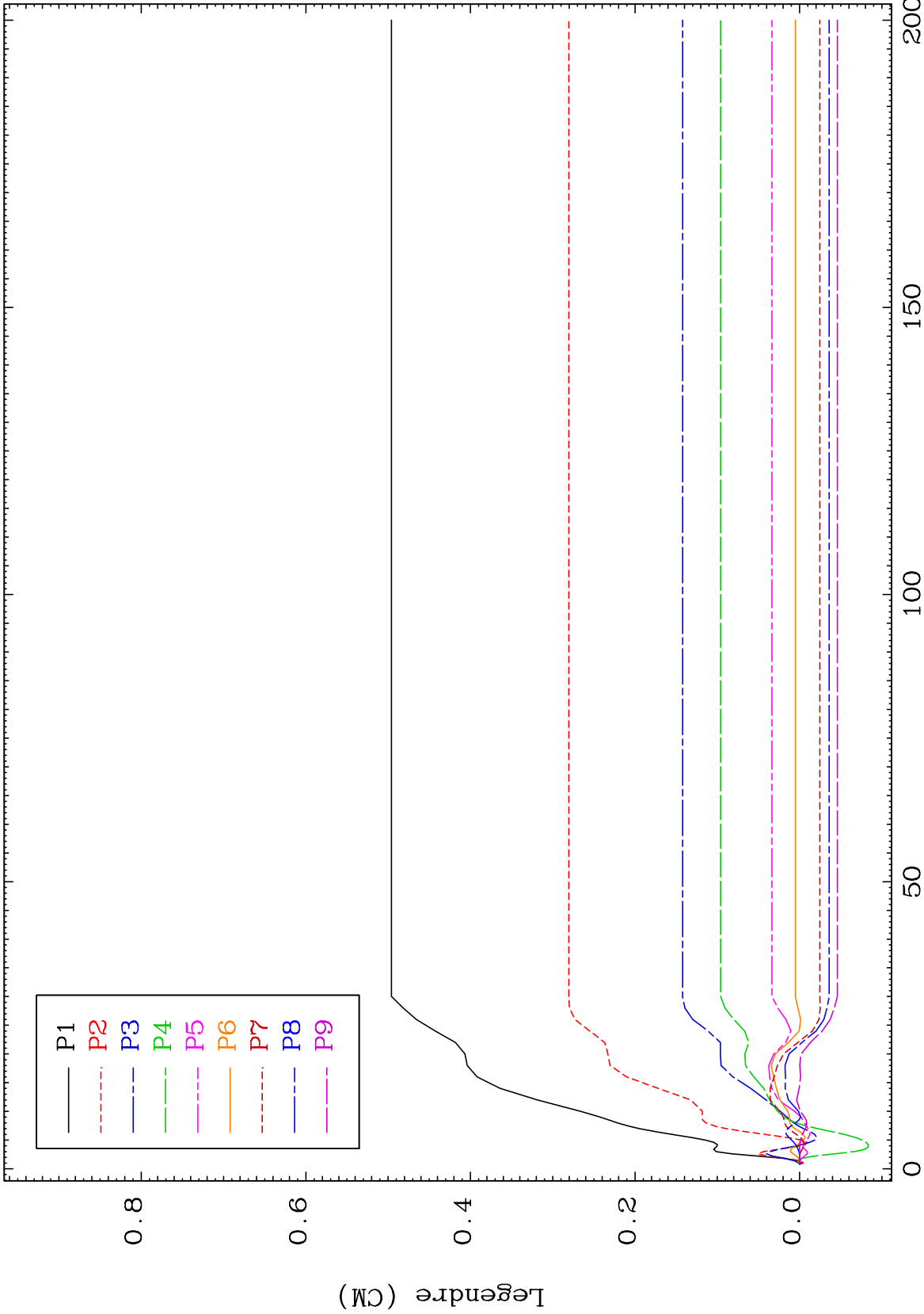
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54-Xe-131

MAT 5446

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

54-Xe-131



55

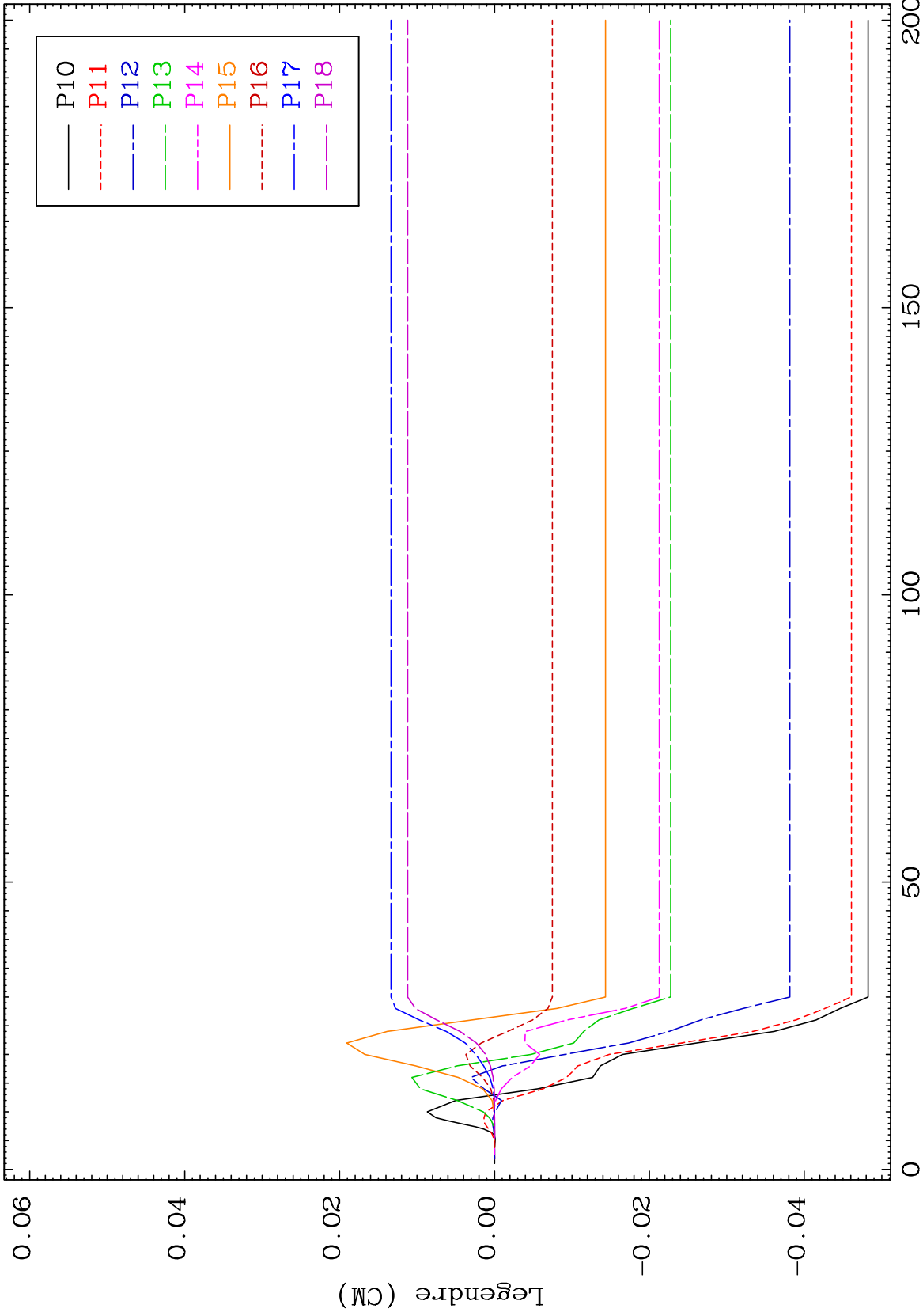
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



56

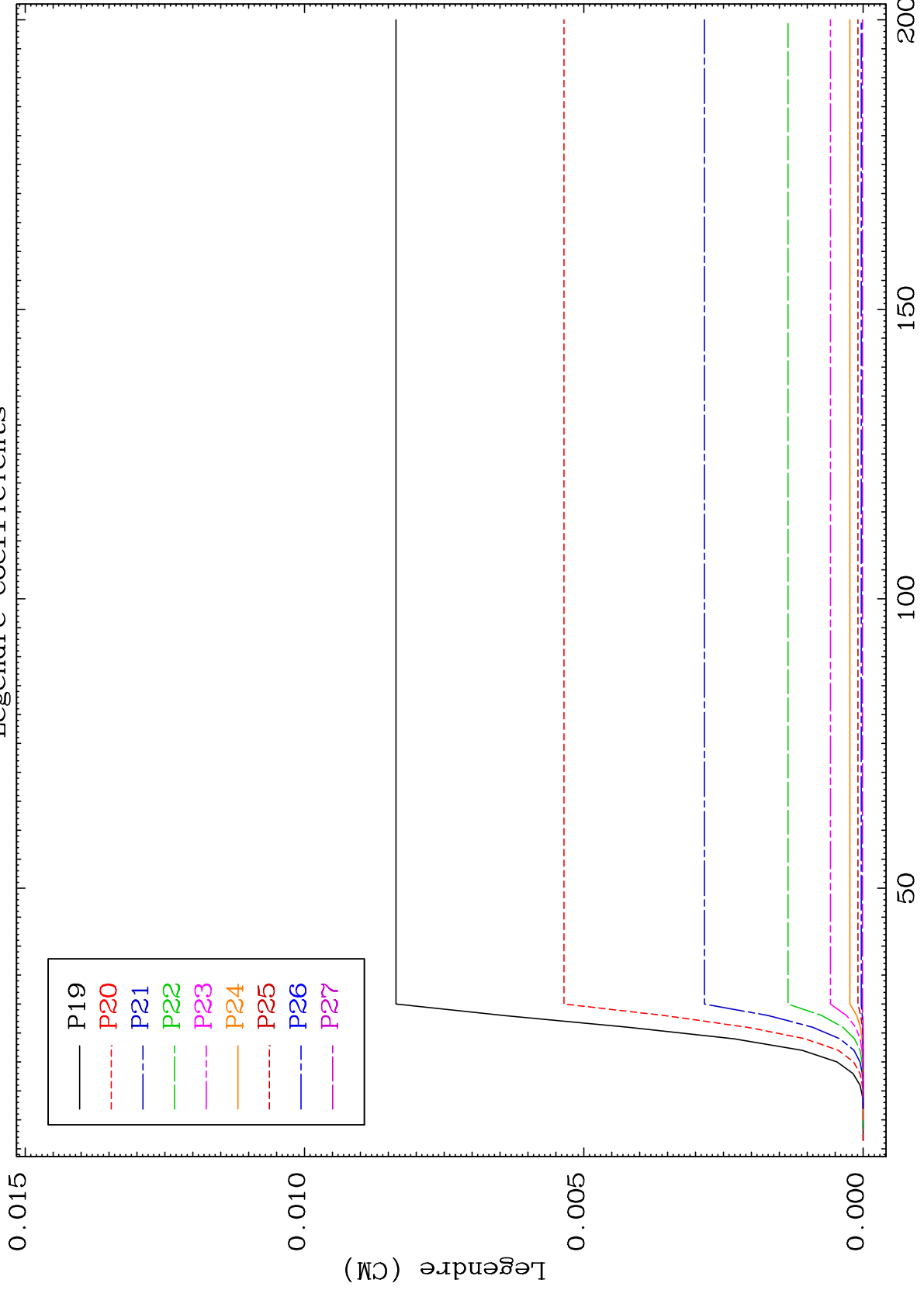
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



57

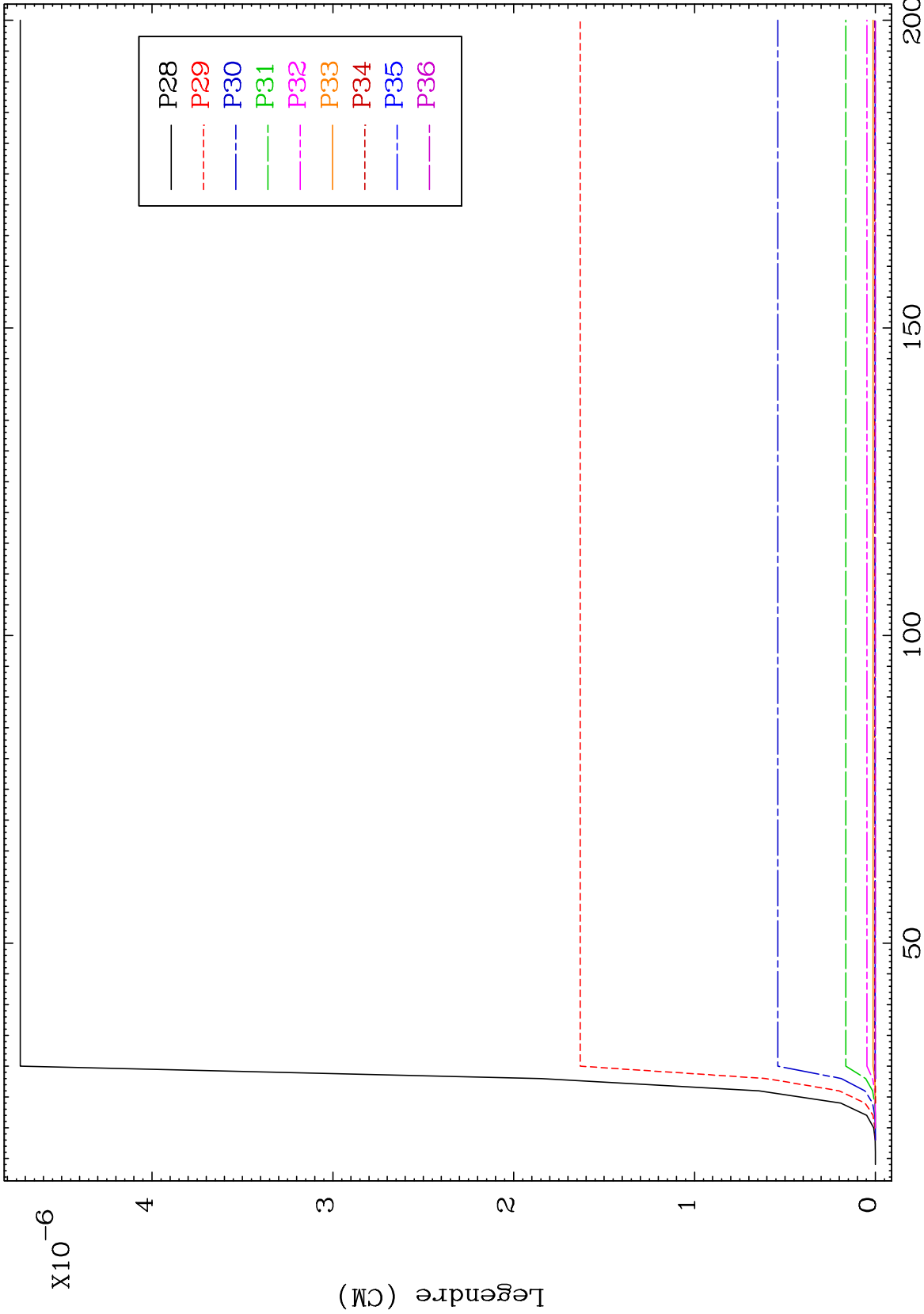
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



58

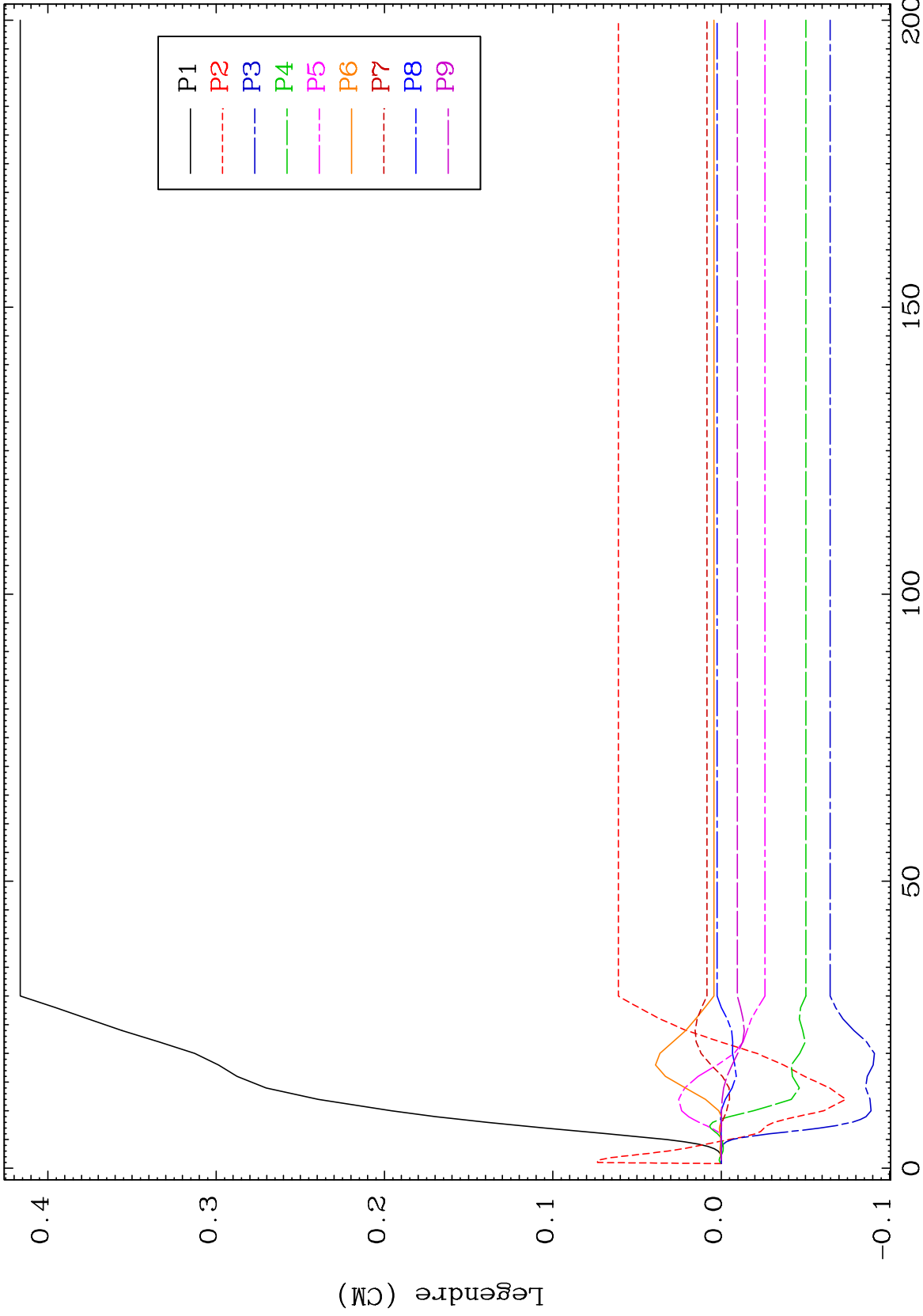
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



59

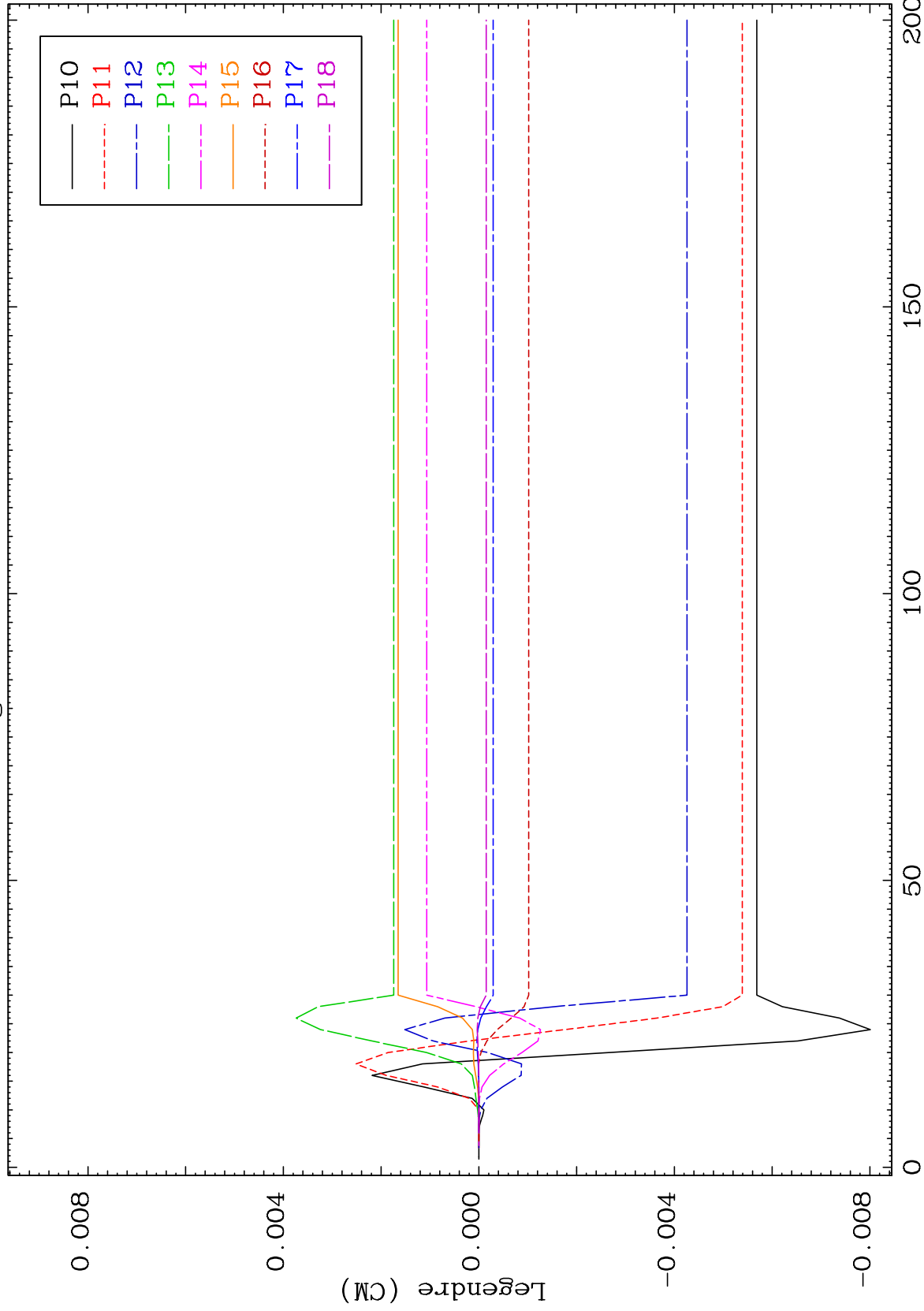
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



54-Xe-131

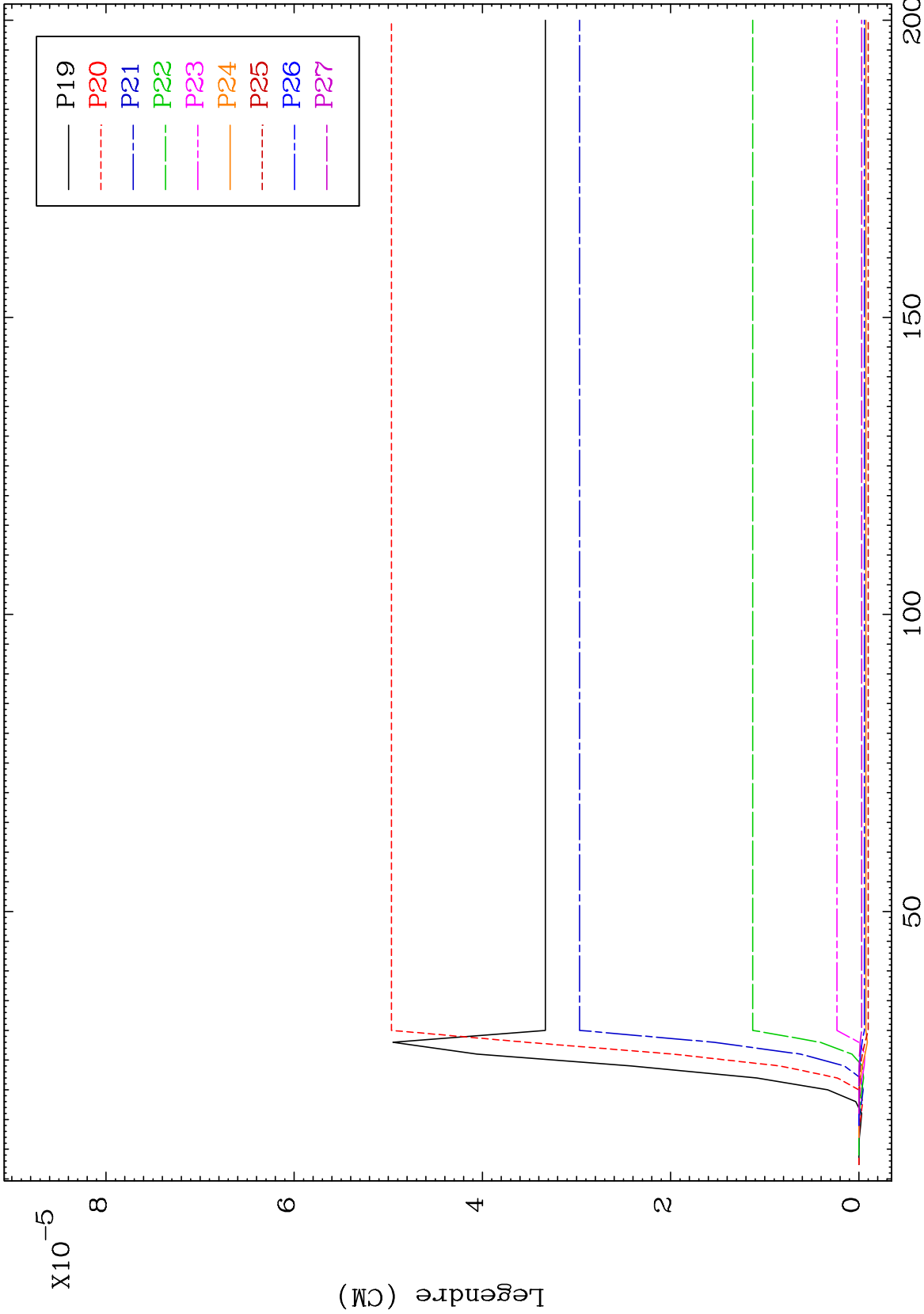
Incident Energy (MeV)

60

MAT 5446

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

54-Xe-131

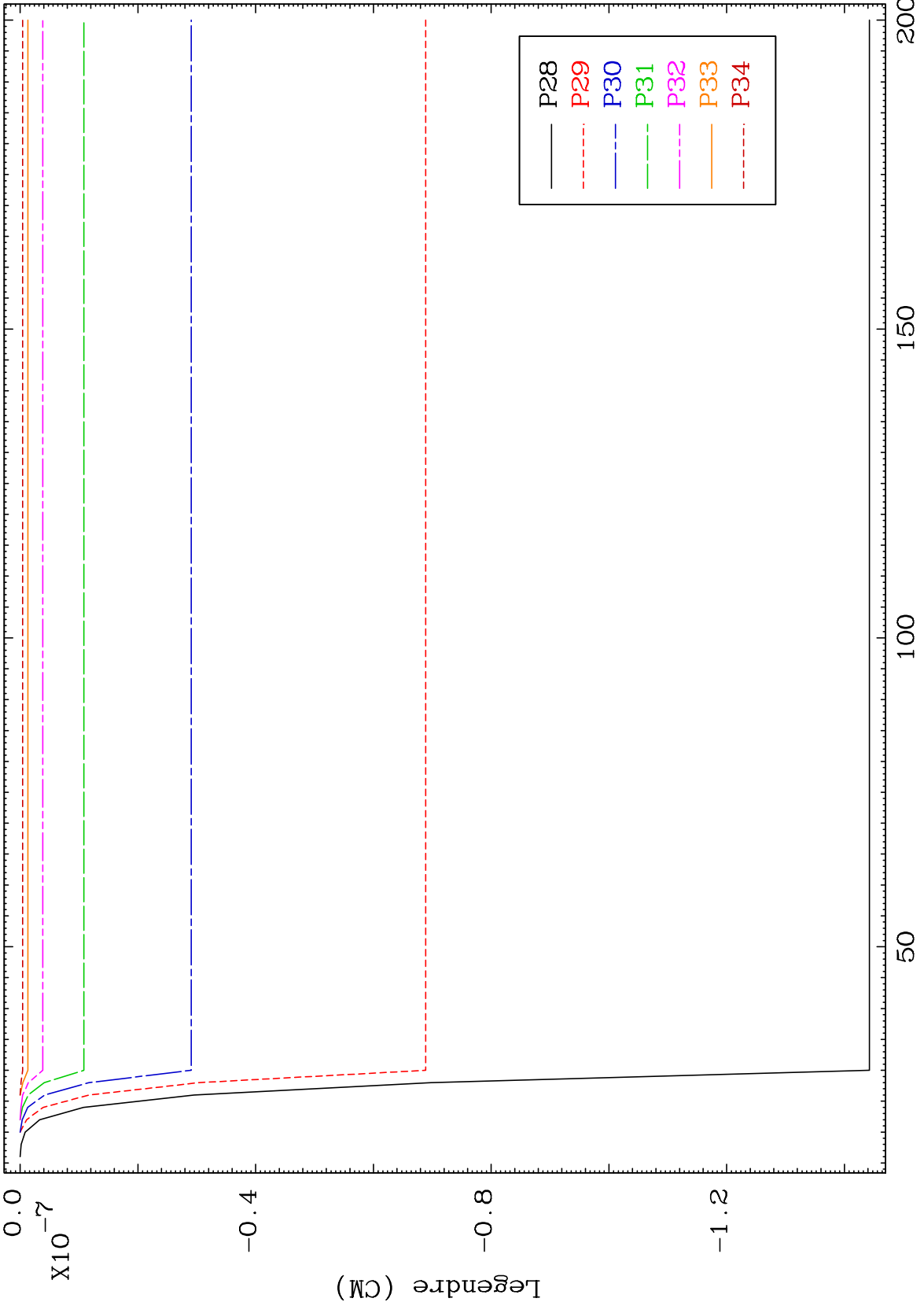


61

Incident Energy (MeV)

54-Xe-131

MAT 5446 MT= 61 (n,n') Level Legendre Coefficients 54-Xe-131

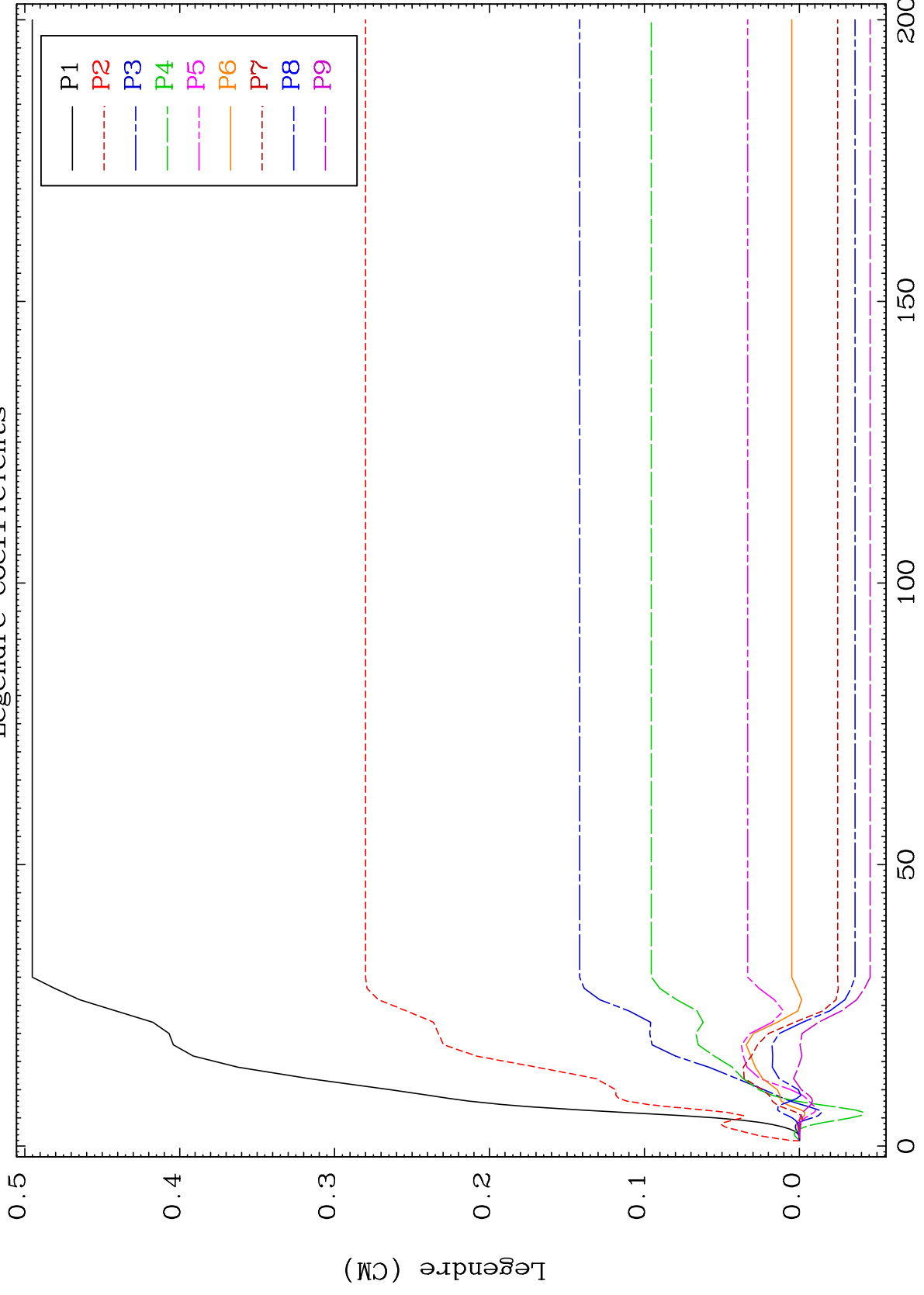


62 54-Xe-131

MAT 5446

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

54-Xe-131



63

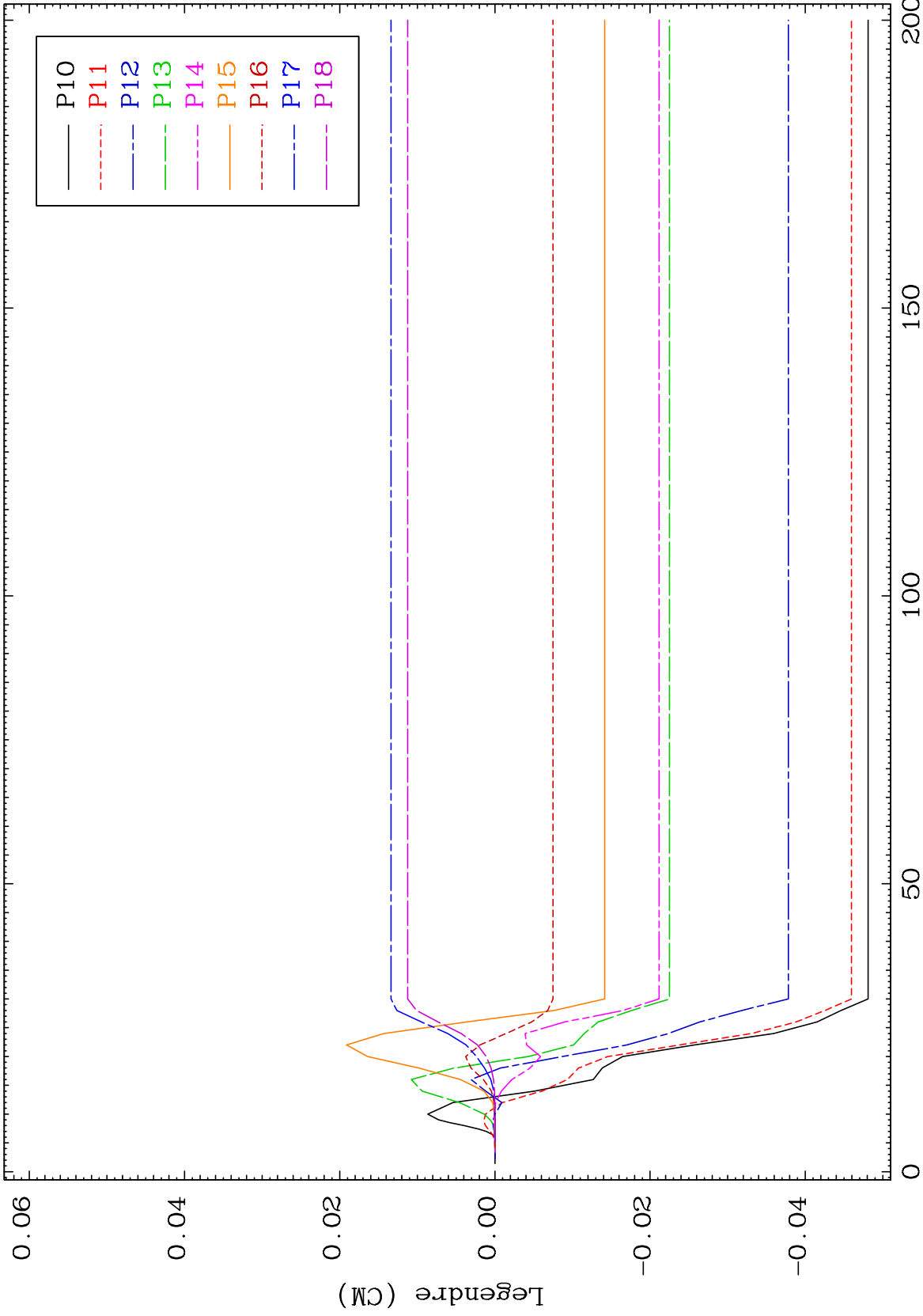
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131

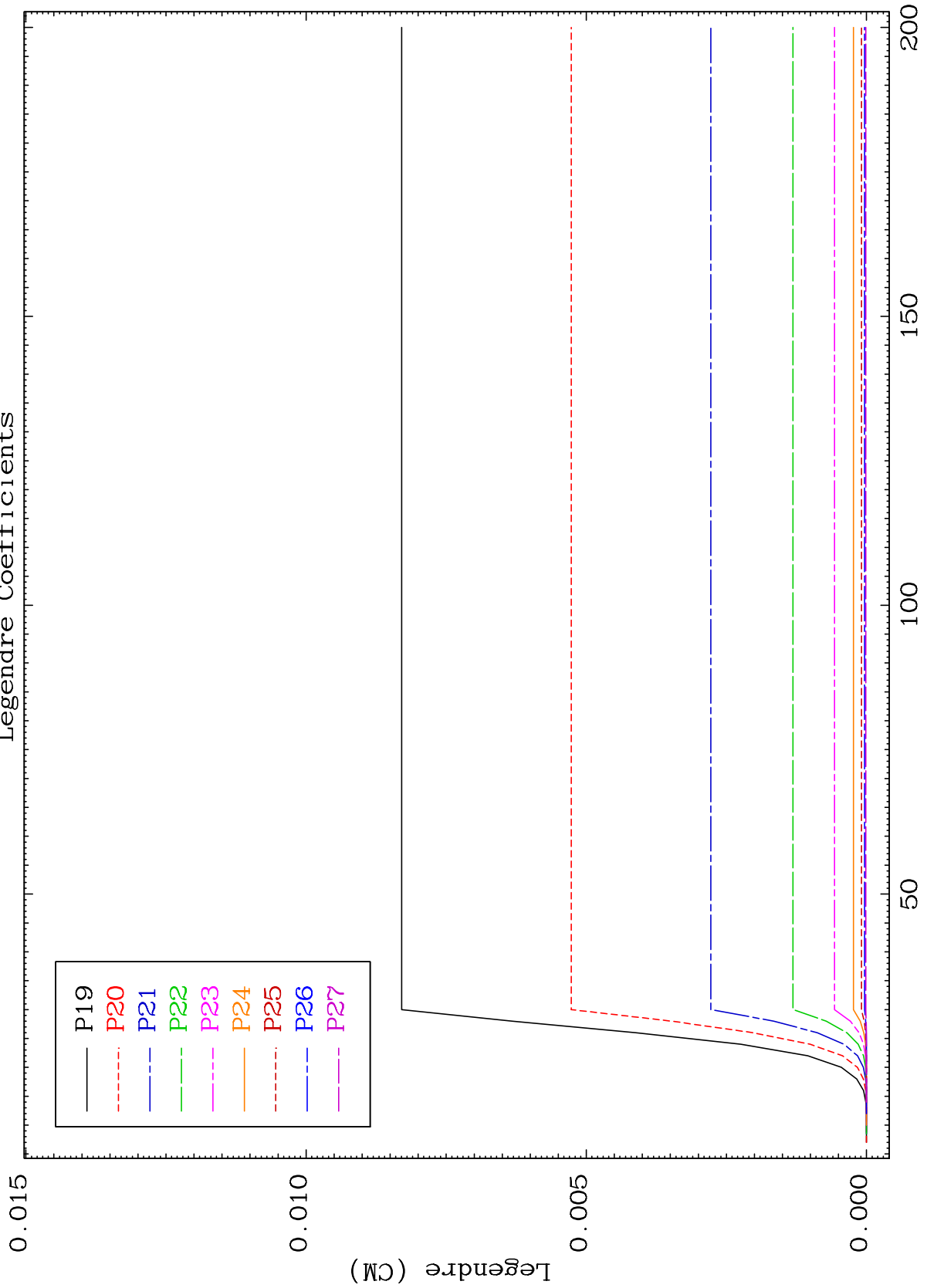


64

Incident Energy (MeV)

54-Xe-131

MAT 5446 MT= 62 (n,n') Level Legendre Coefficients 54-Xe-131



54-Xe-131

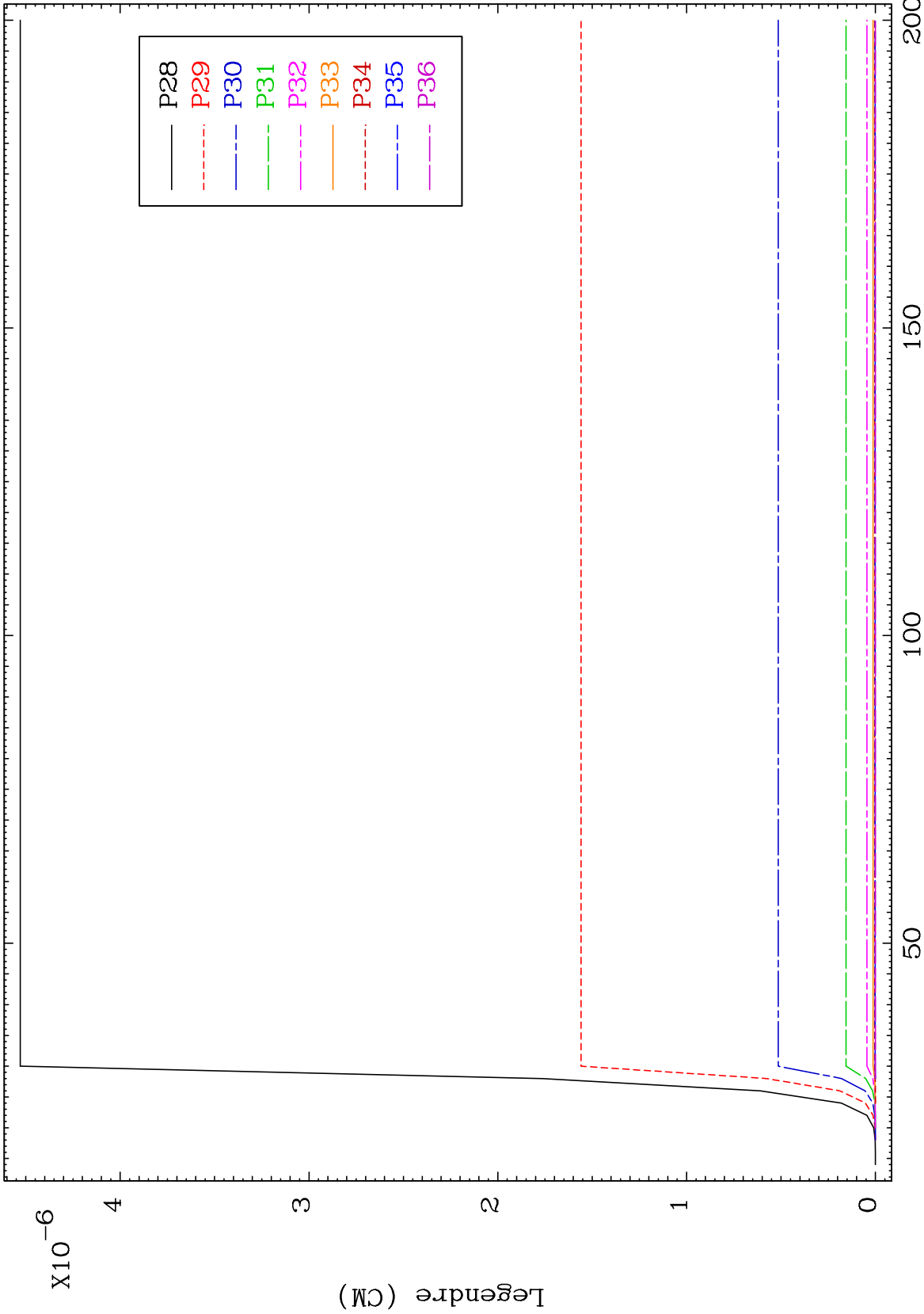
Incident Energy (MeV)

65

MAT 5446

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

54-Xe-131



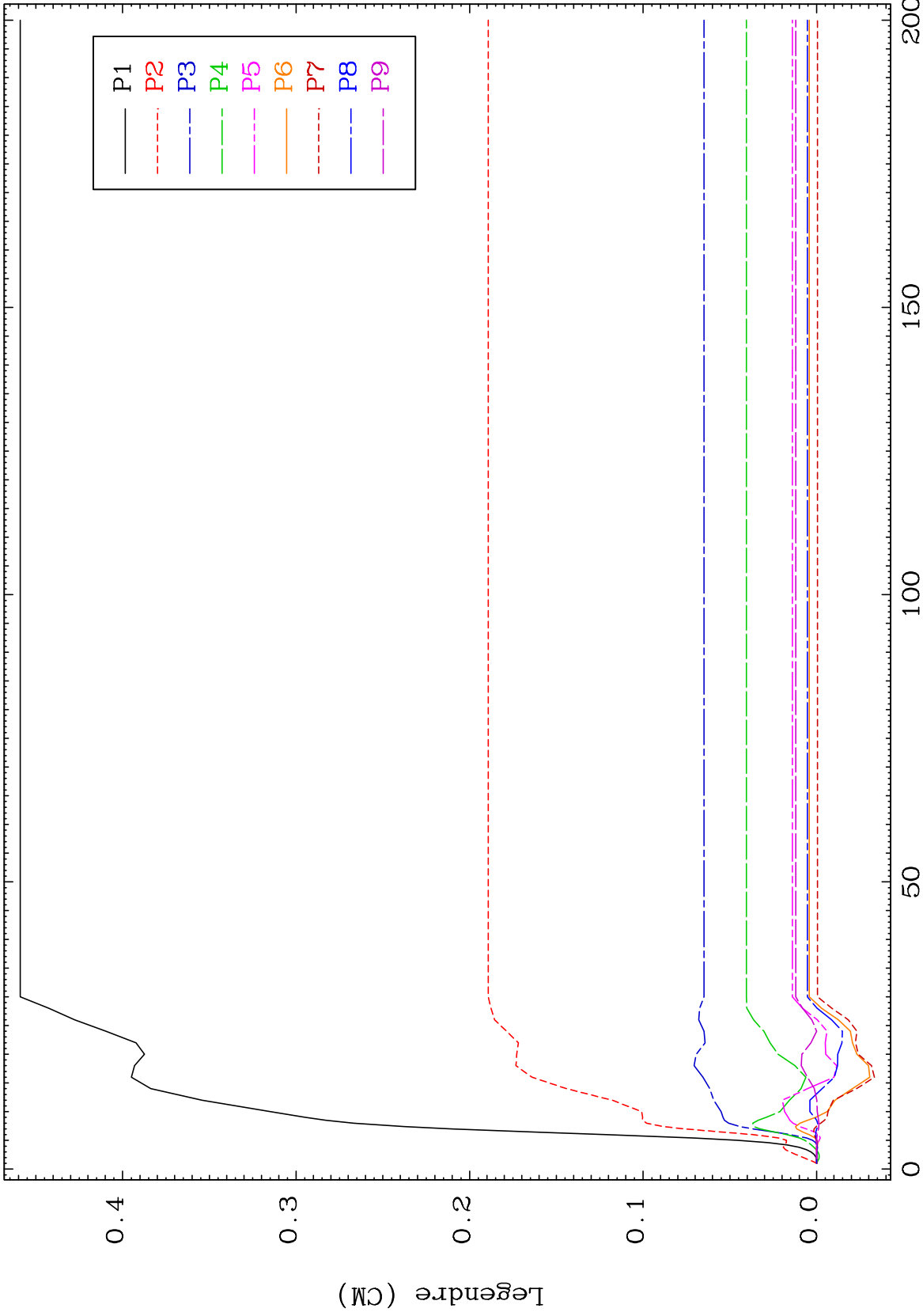
66

54-Xe-131

MAT 5446

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

54-Xe-131



67

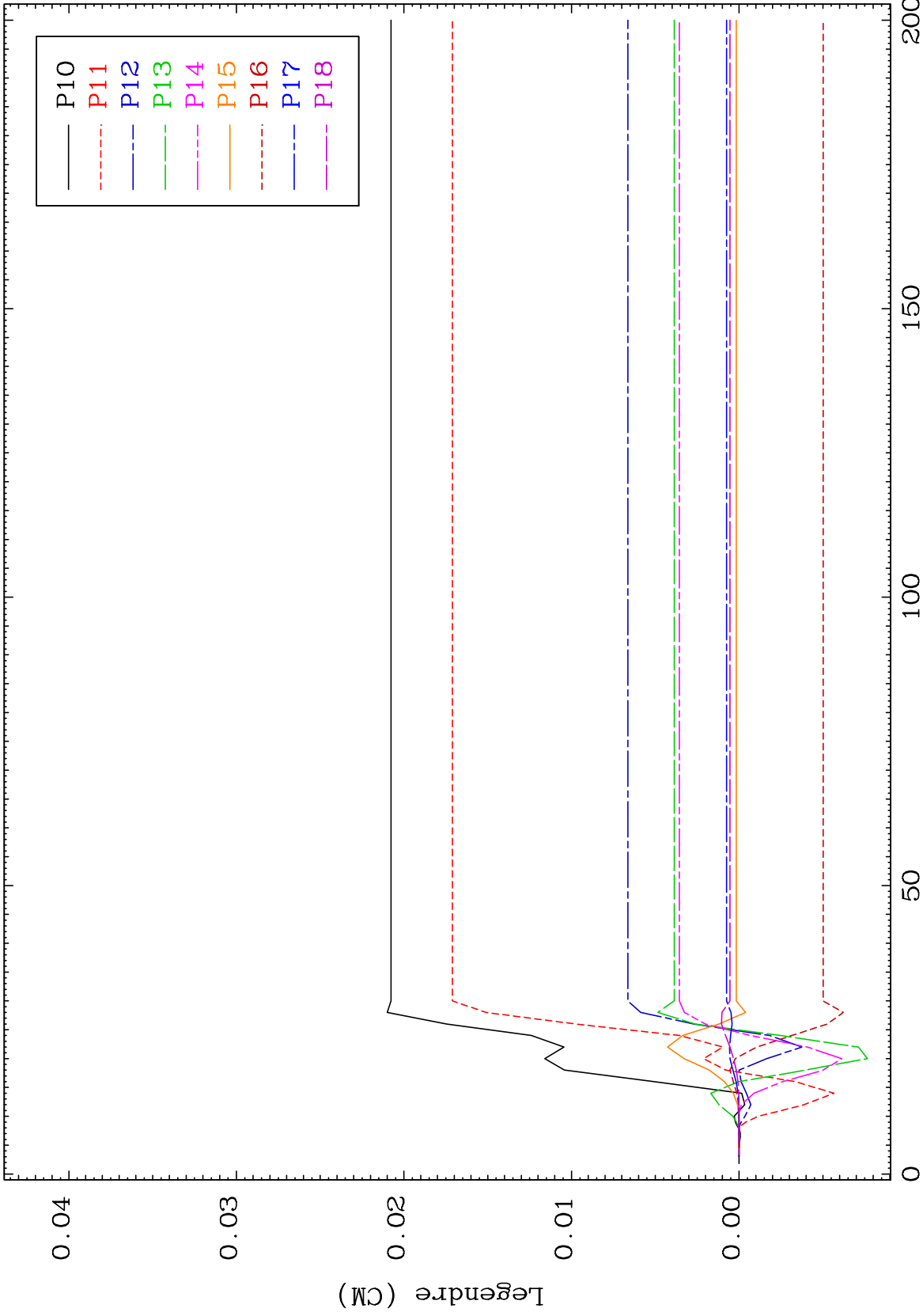
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



68

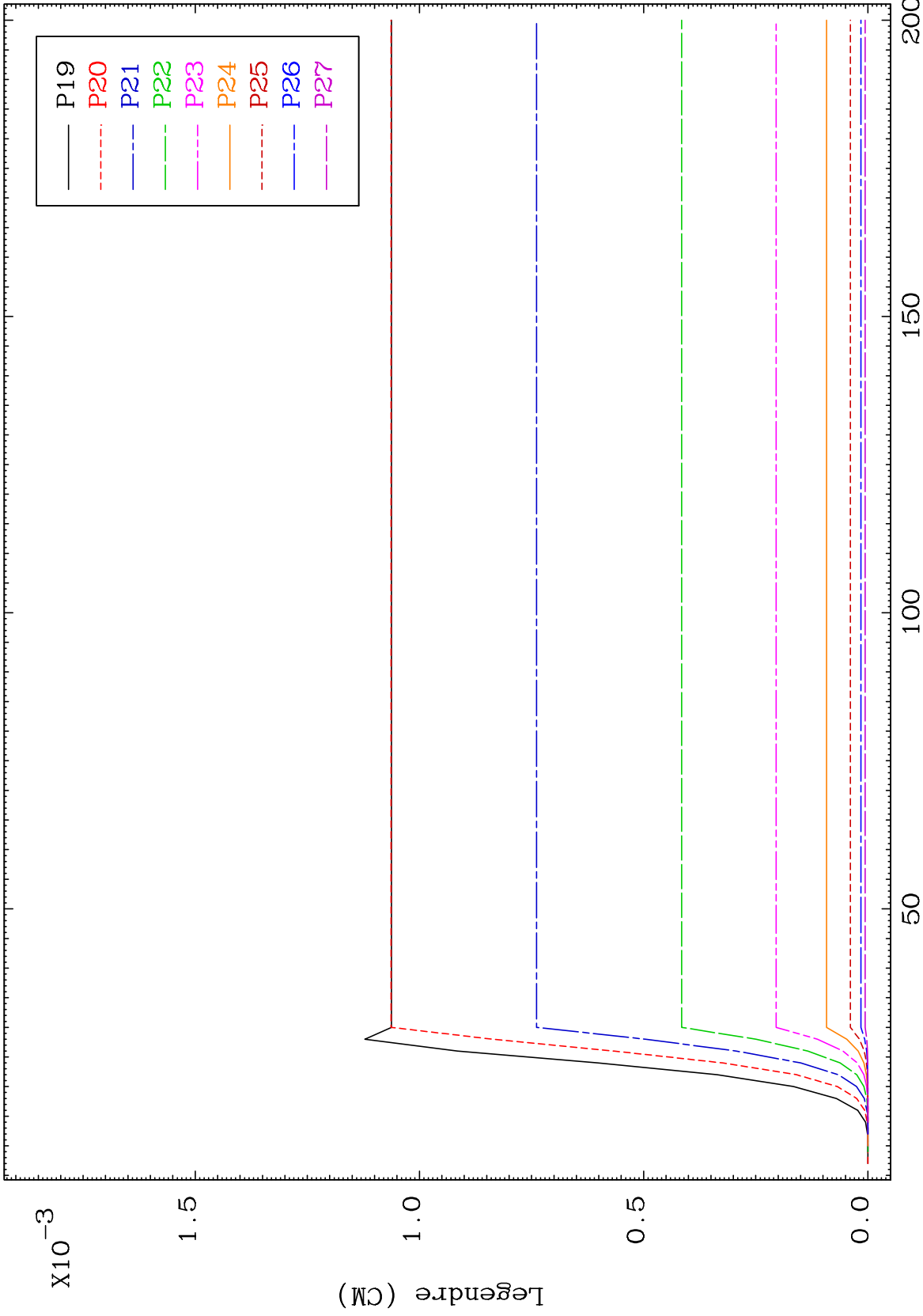
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



69

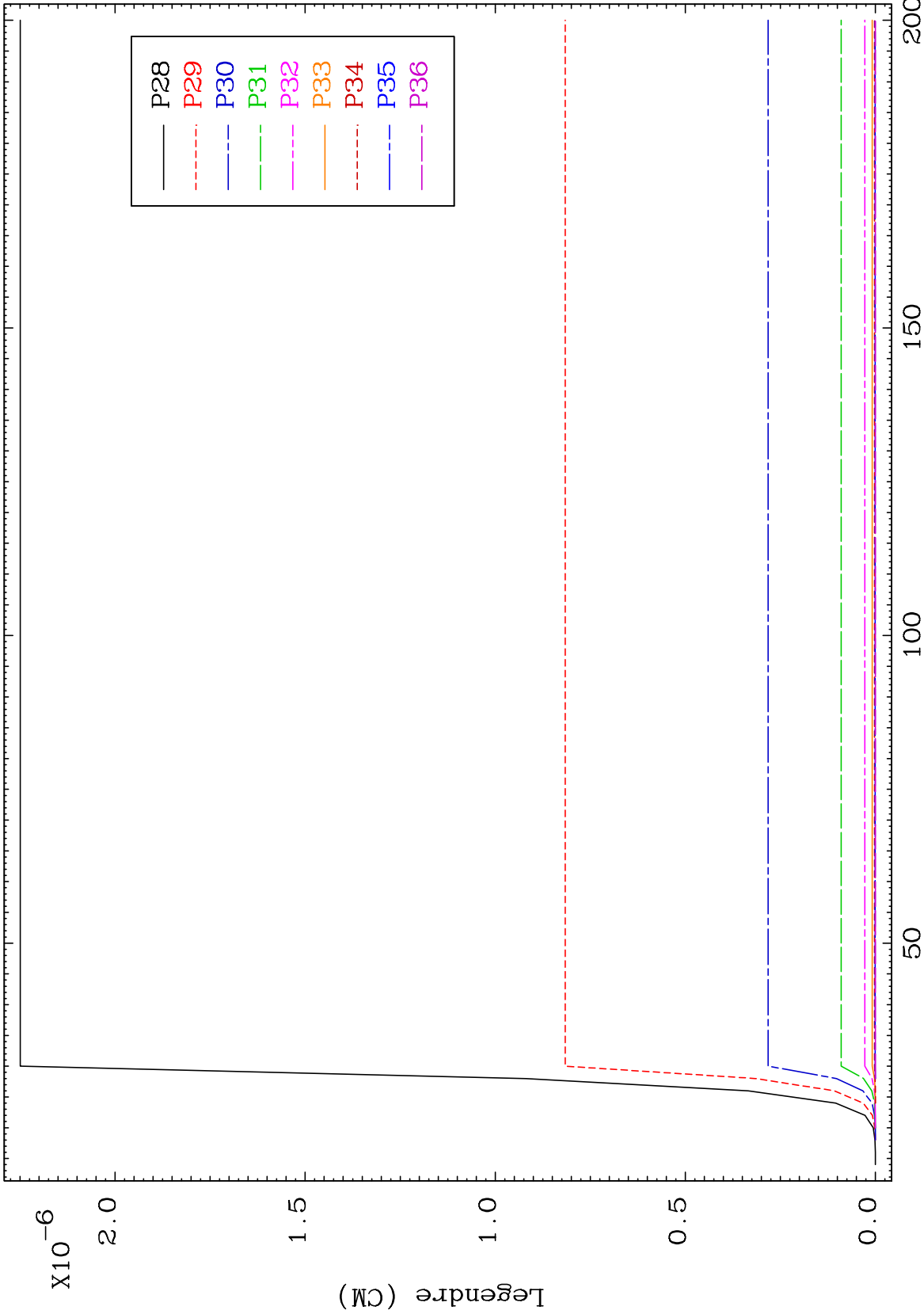
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



70

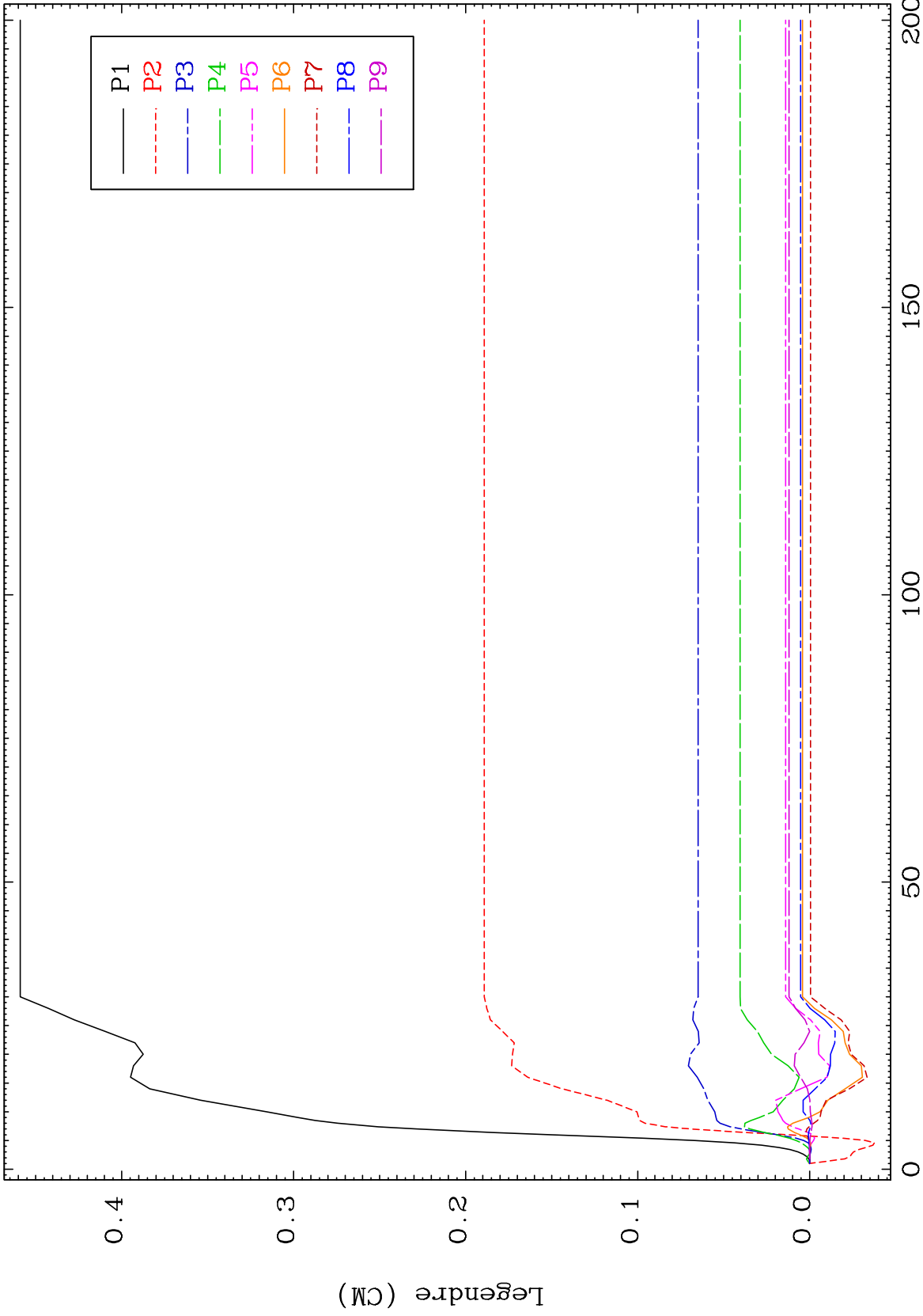
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



71

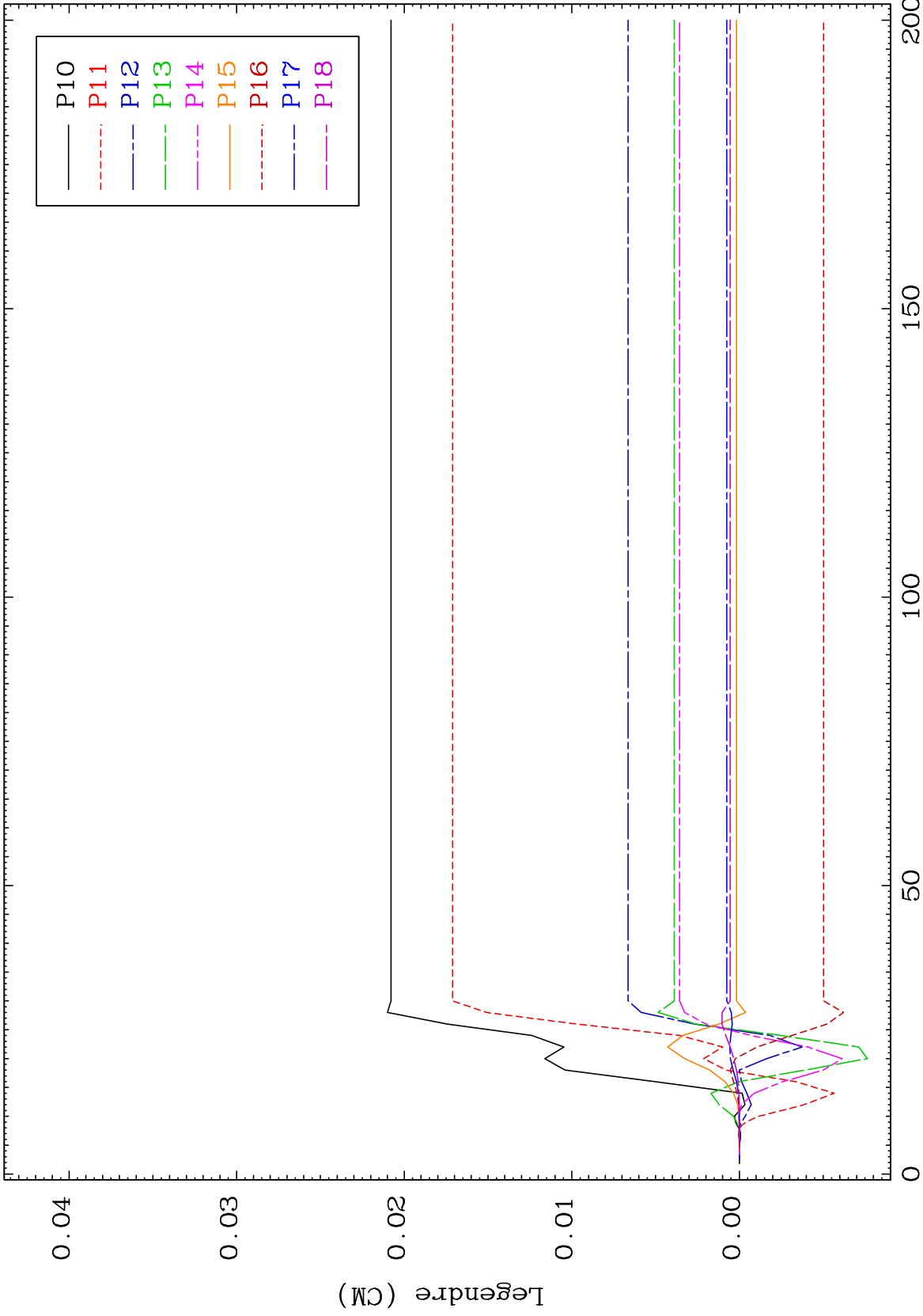
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



72

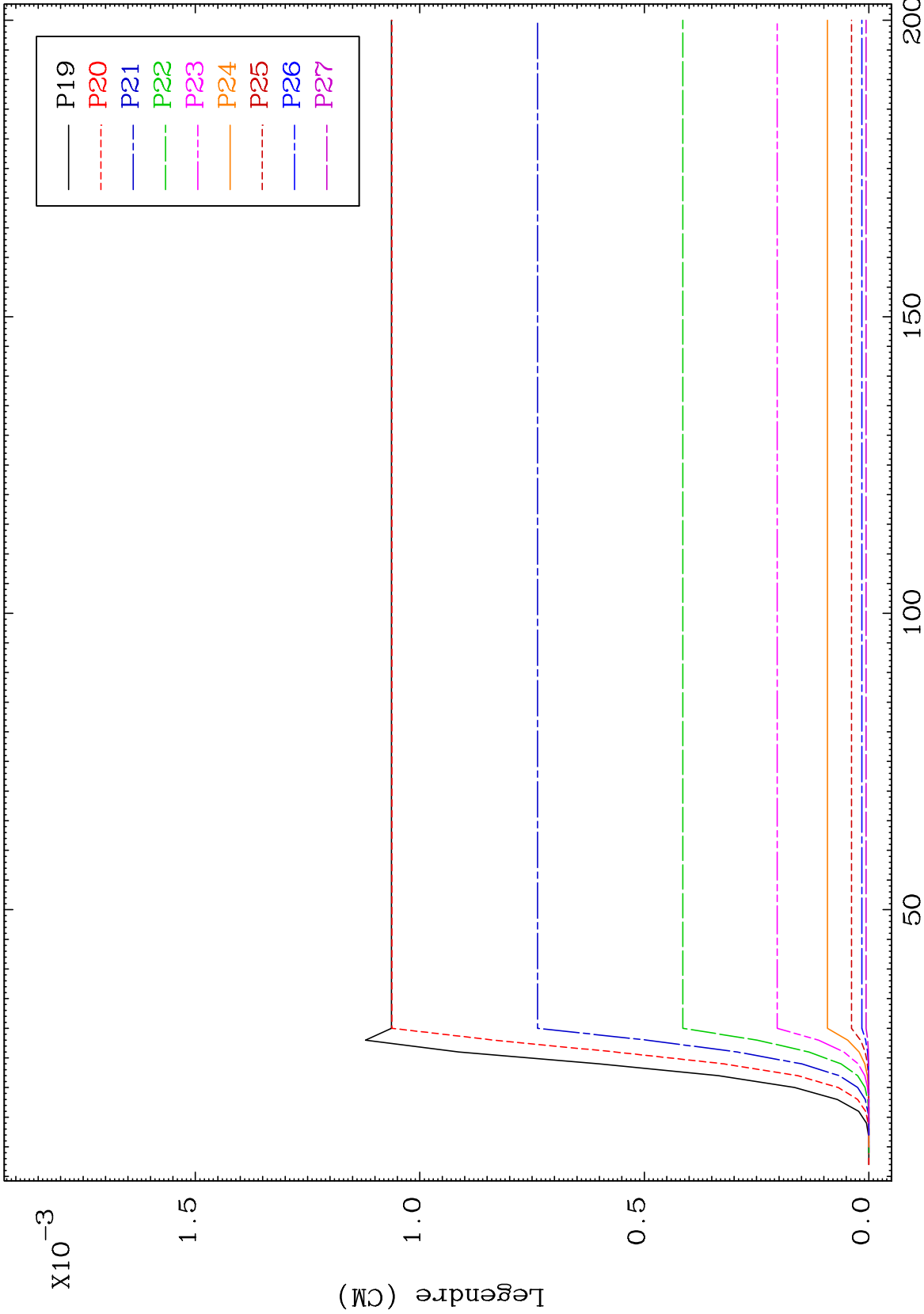
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



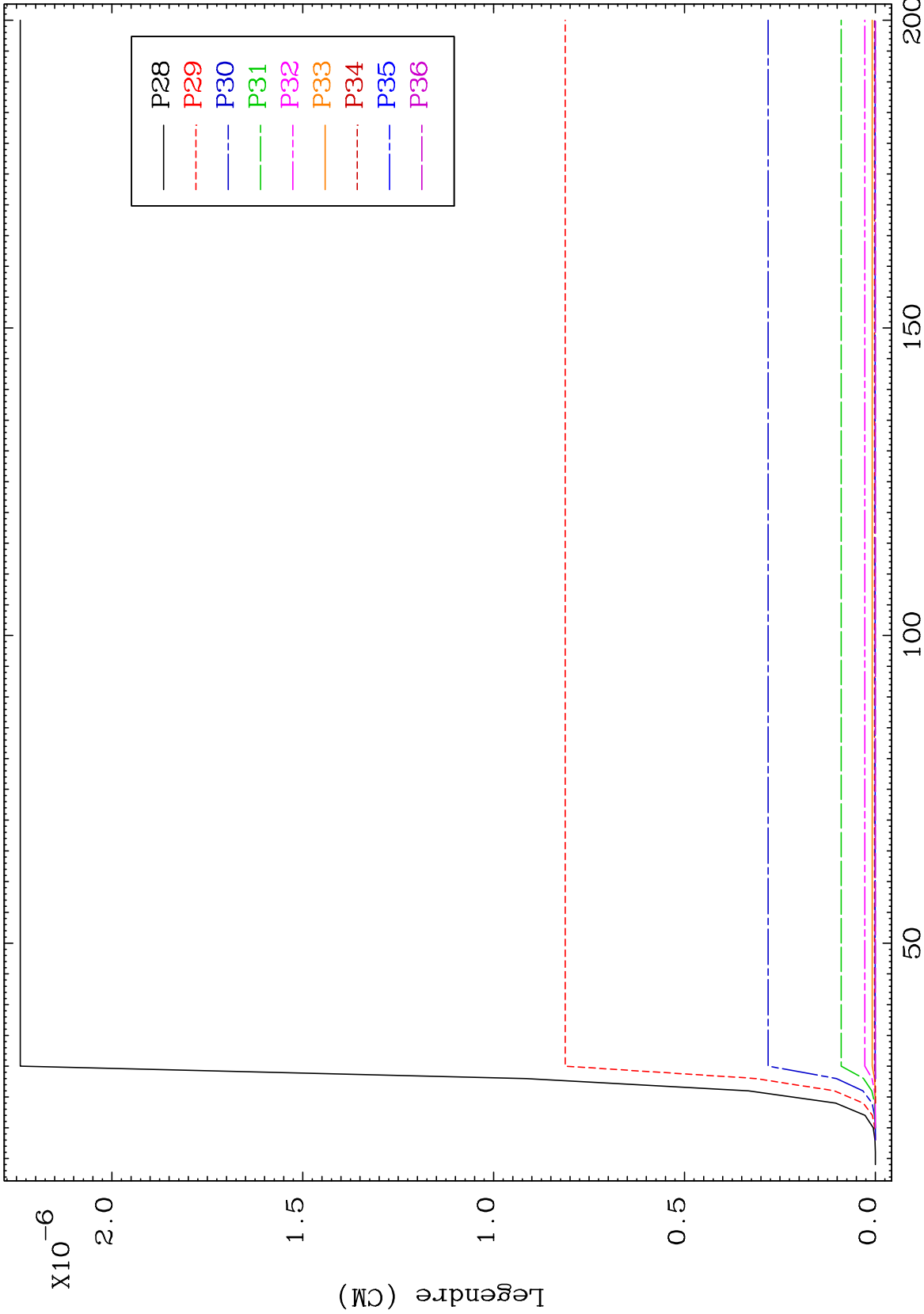
73

54-Xe-131

MAT 5446

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

54-Xe-131

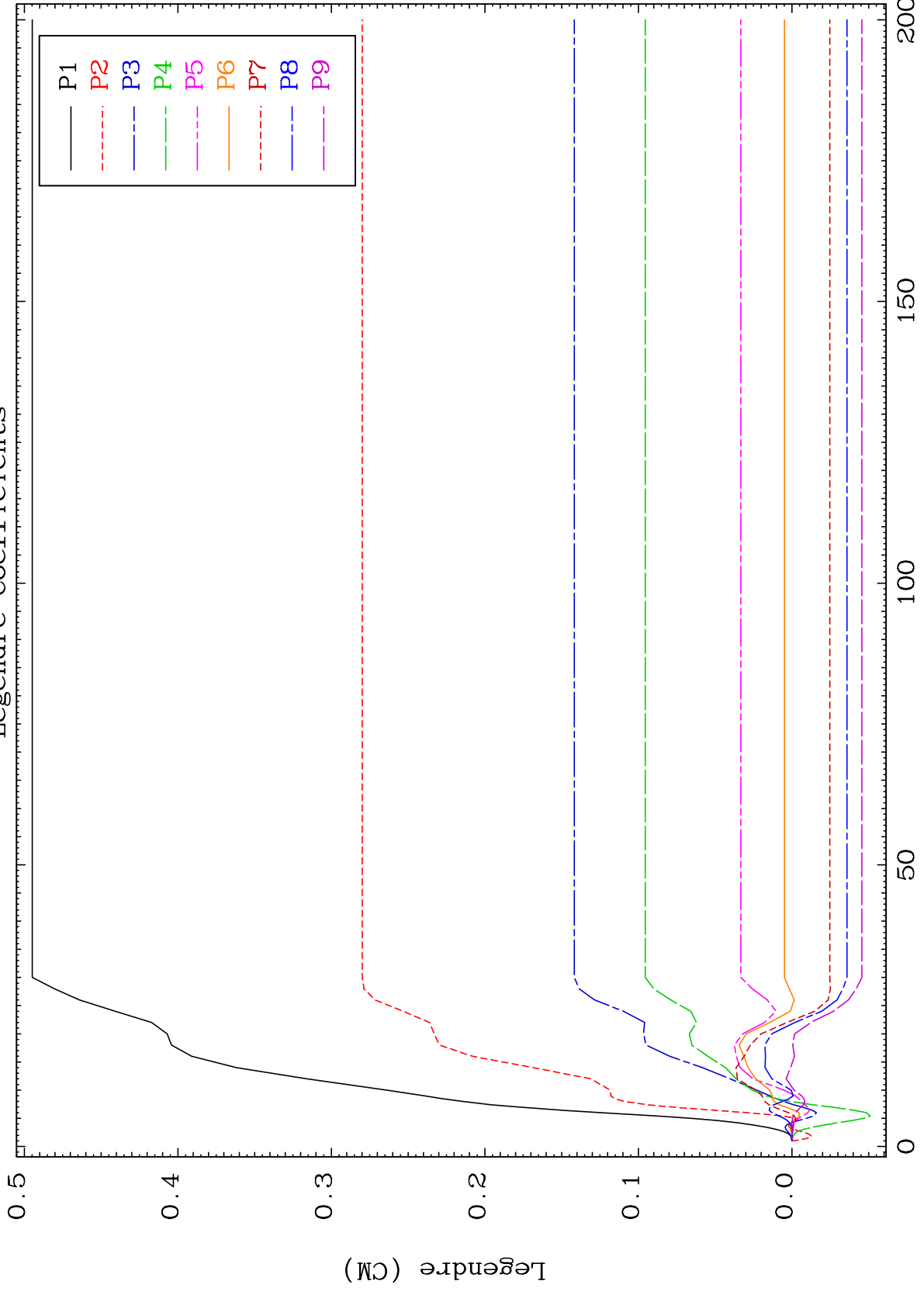


74

Incident Energy (MeV)

54-Xe-131

MAT 5446 MT= 65 (n,n') Level Legendre Coefficients 54-Xe-131

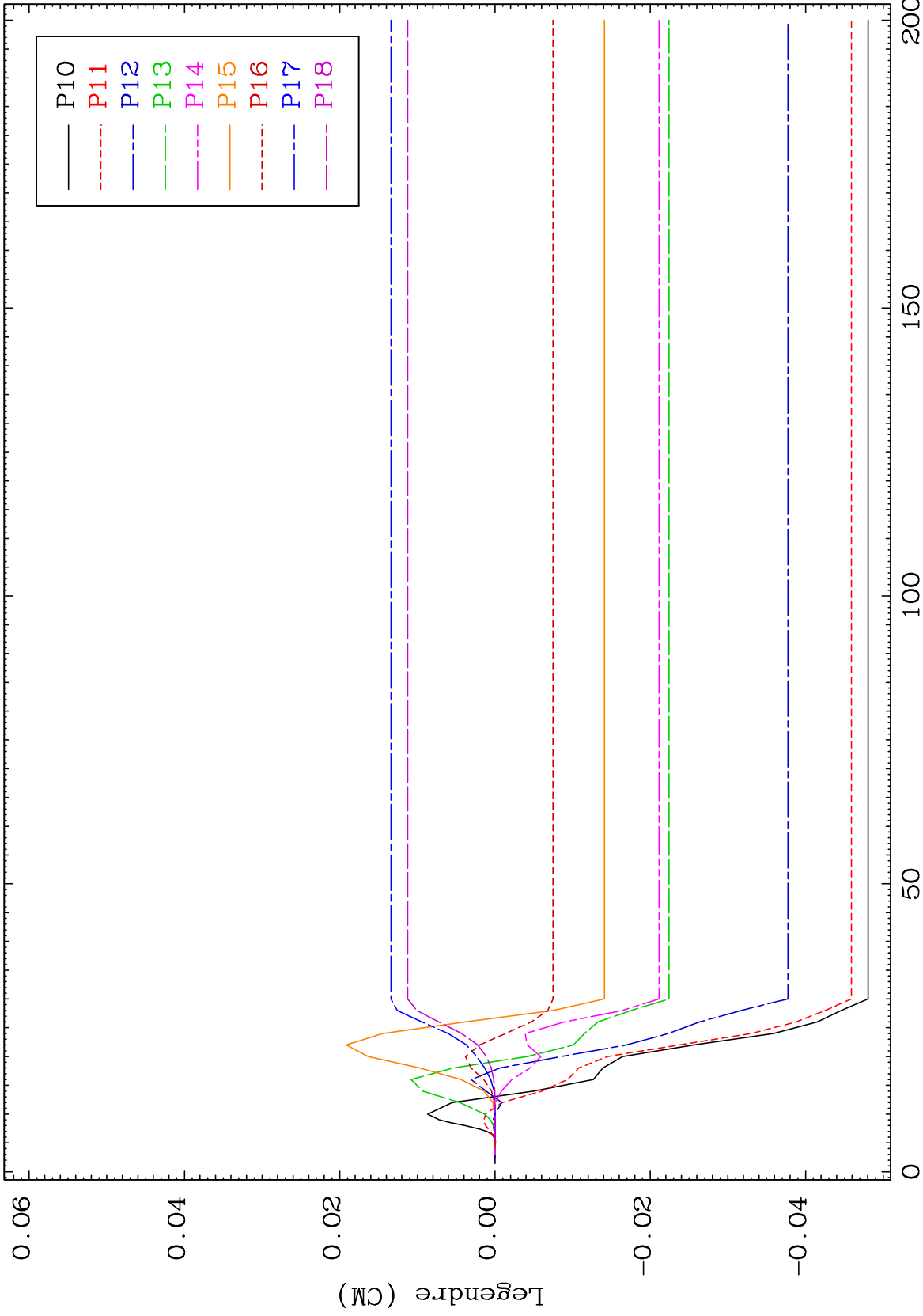


75 50 100 150 200 Incident Energy (MeV) 54-Xe-131

MAT 5446

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

54-Xe-131



76

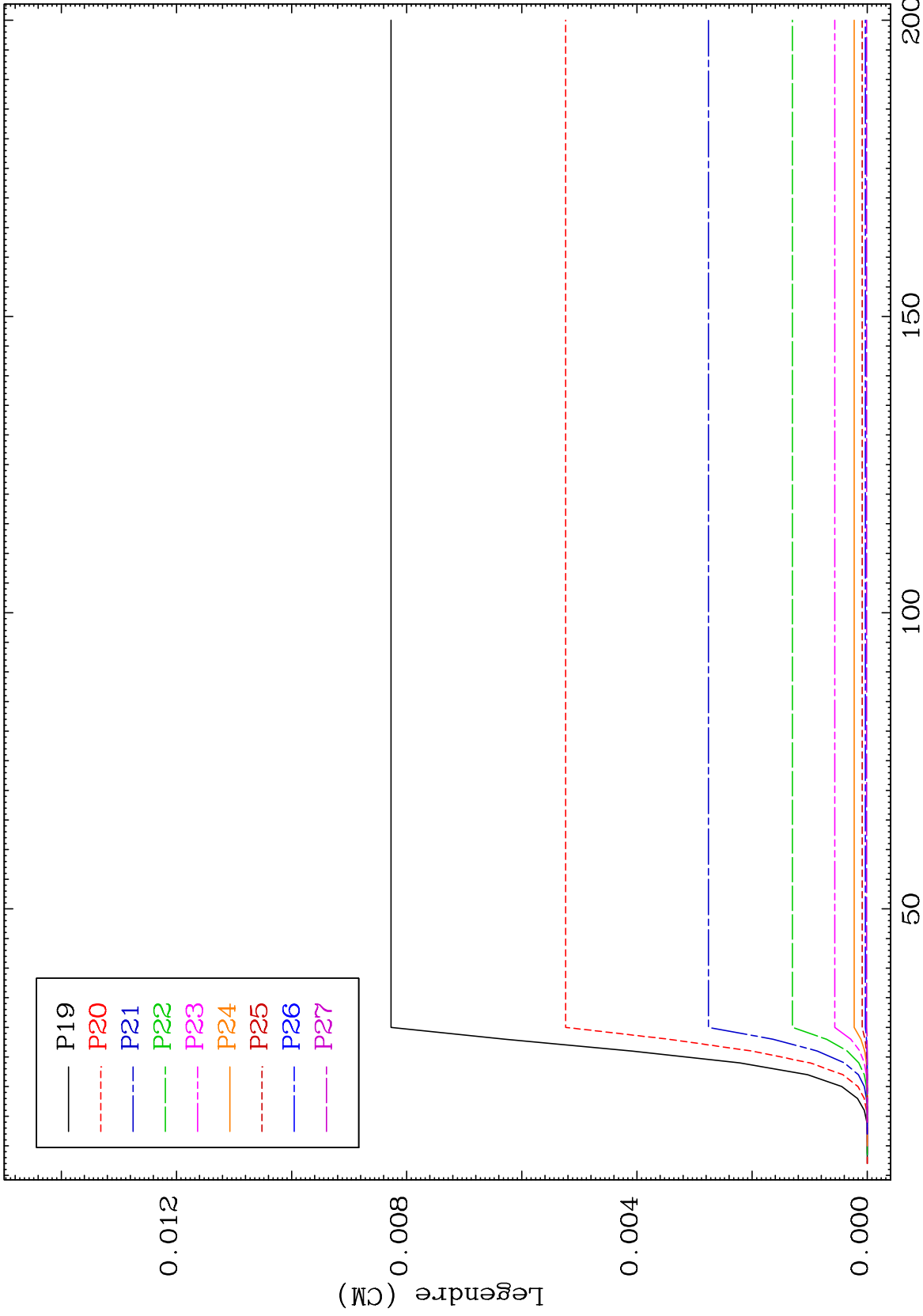
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



77

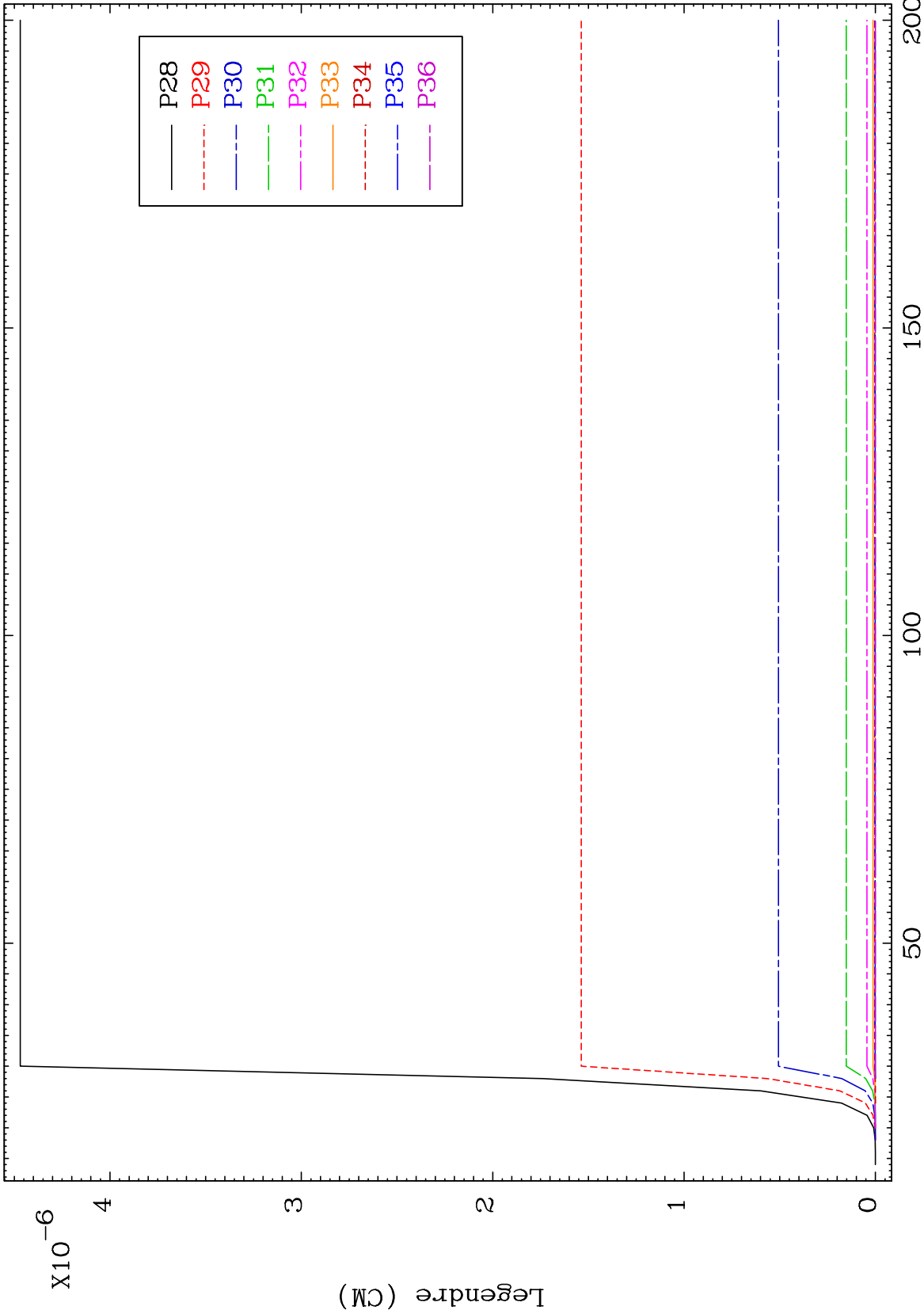
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



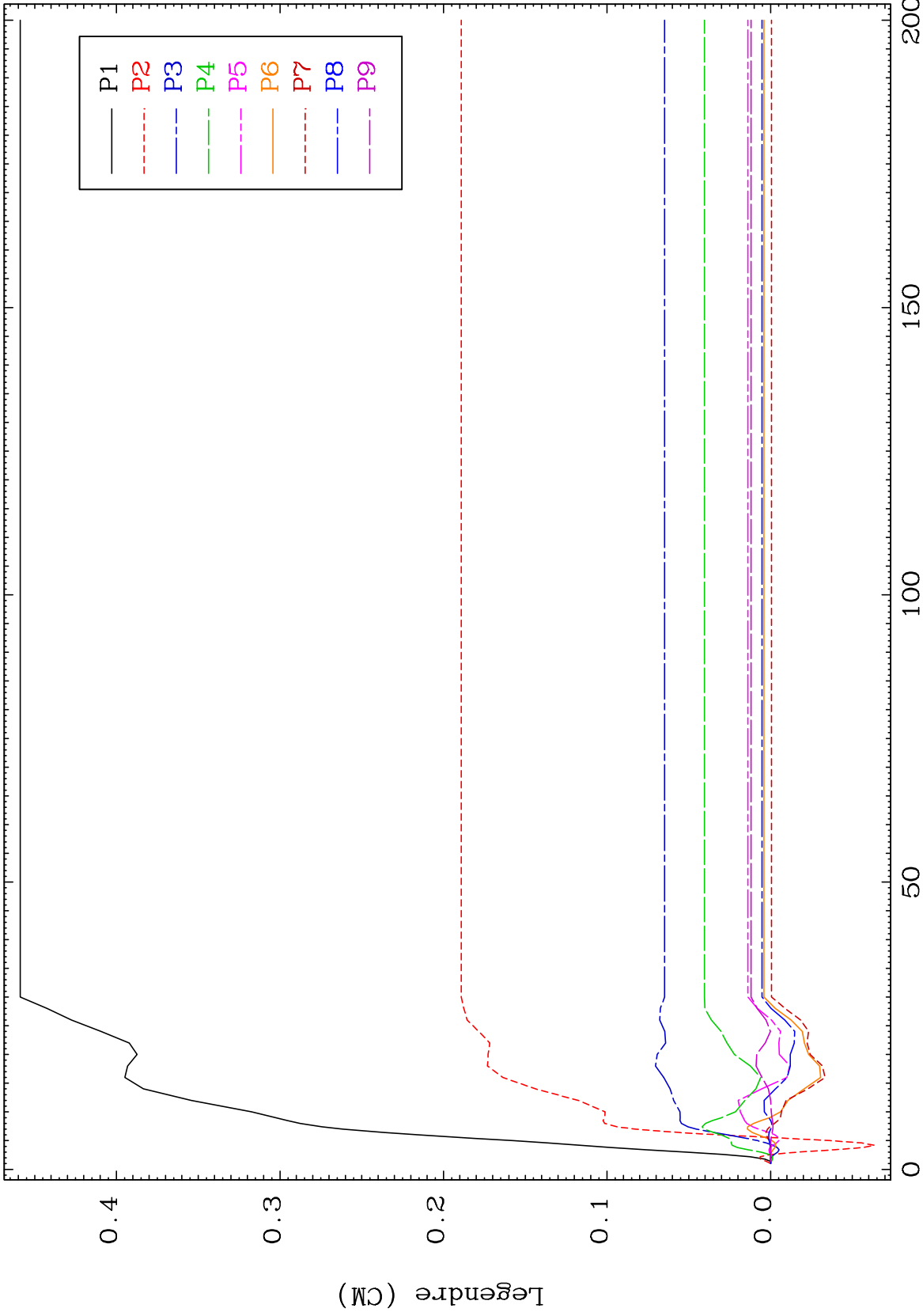
78

54-Xe-131

MAT 5446

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

54-Xe-131



79

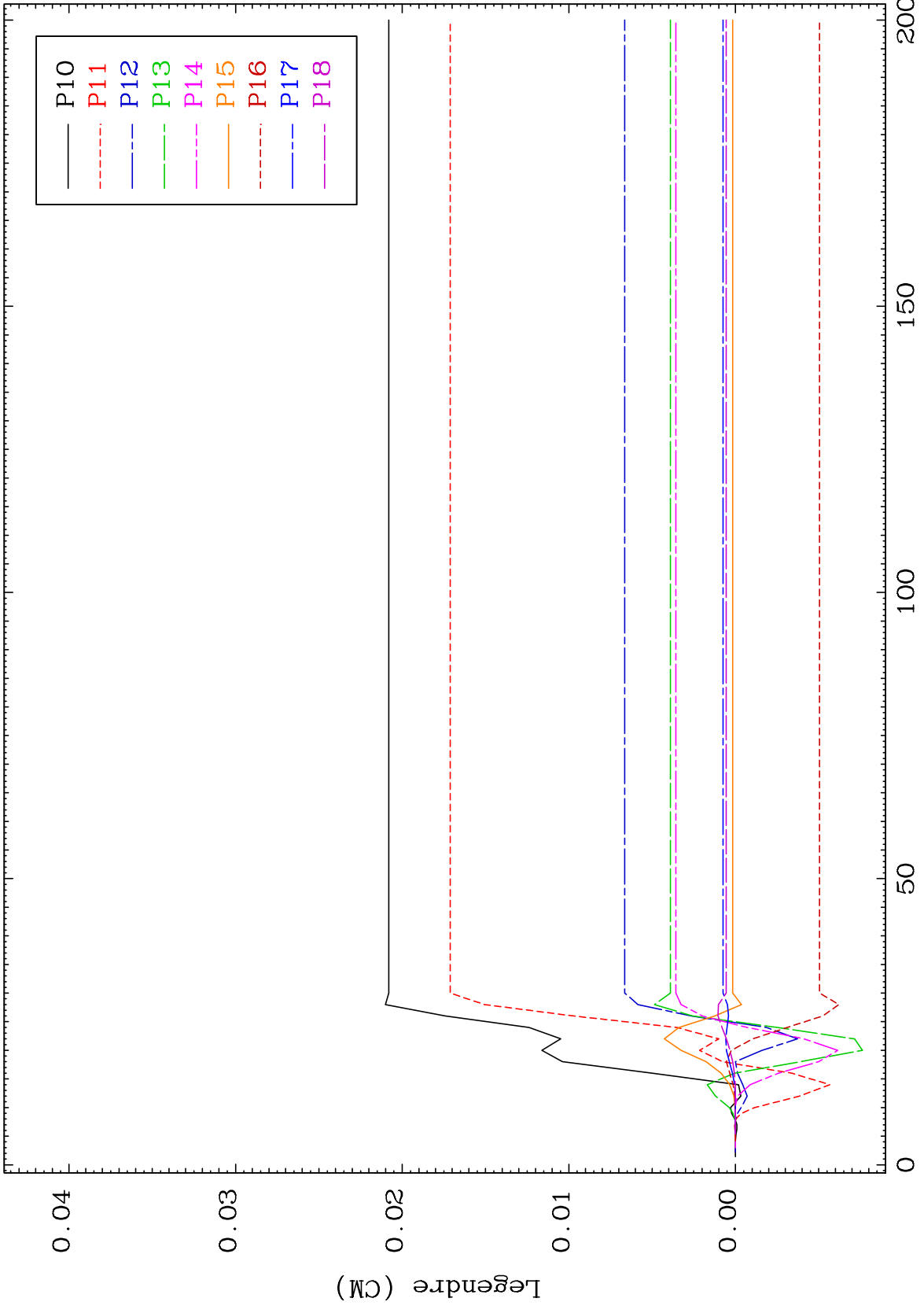
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



80

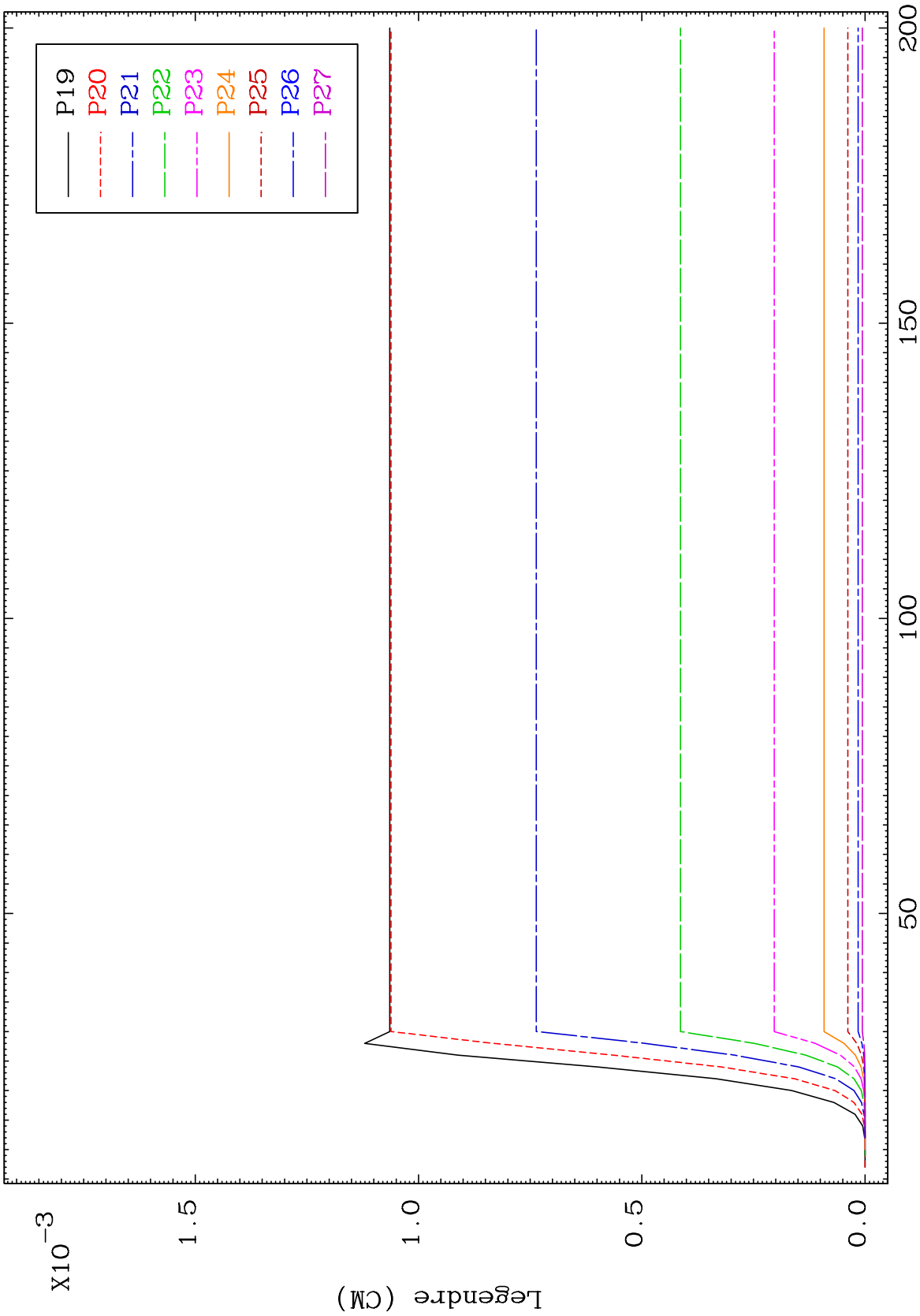
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



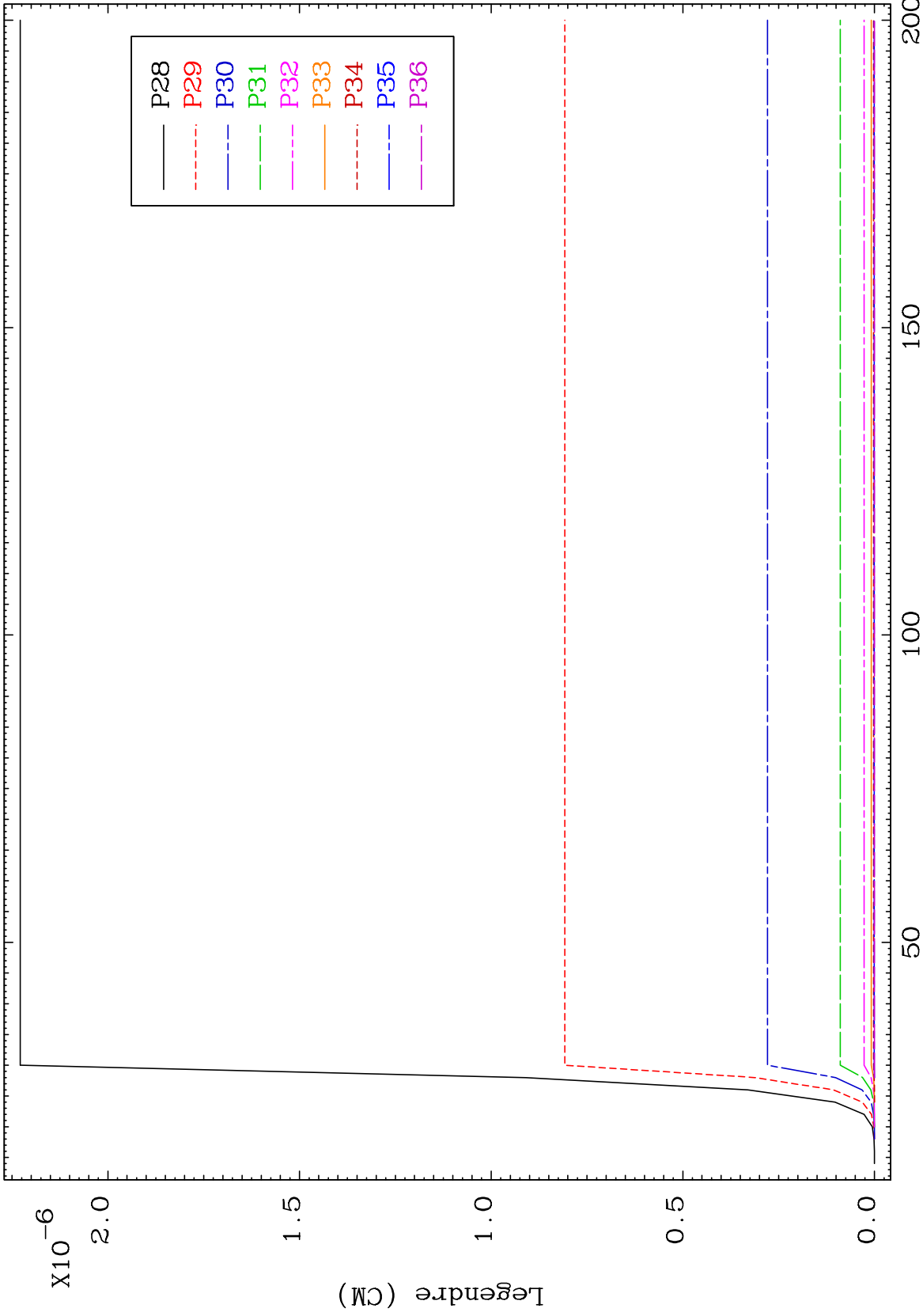
81

54-Xe-131

MAT 5446

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

54-Xe-131

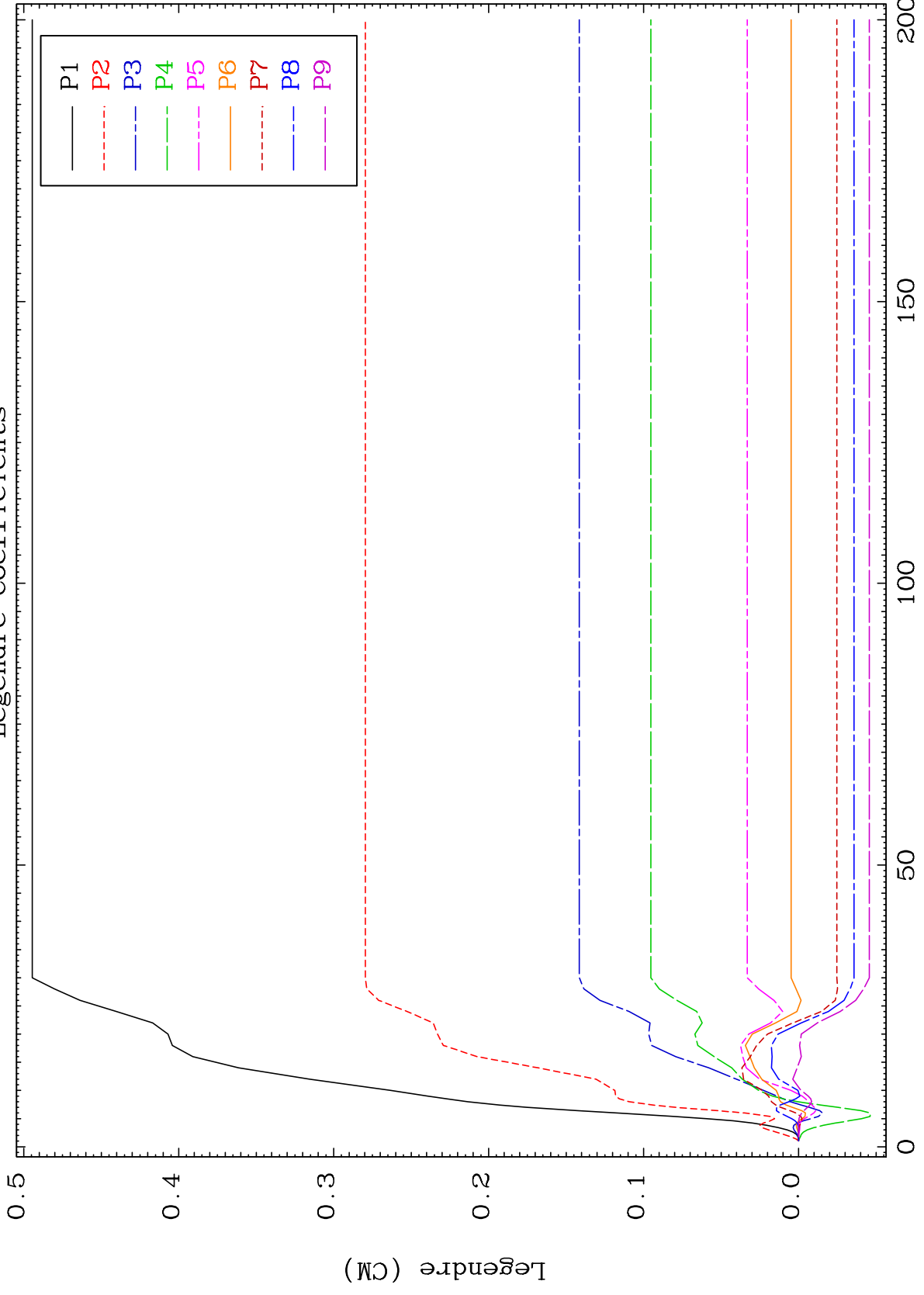


82

Incident Energy (MeV)

54-Xe-131

MAT 5446 MT= 67 (n,n') Level Legendre Coefficients 54-Xe-131

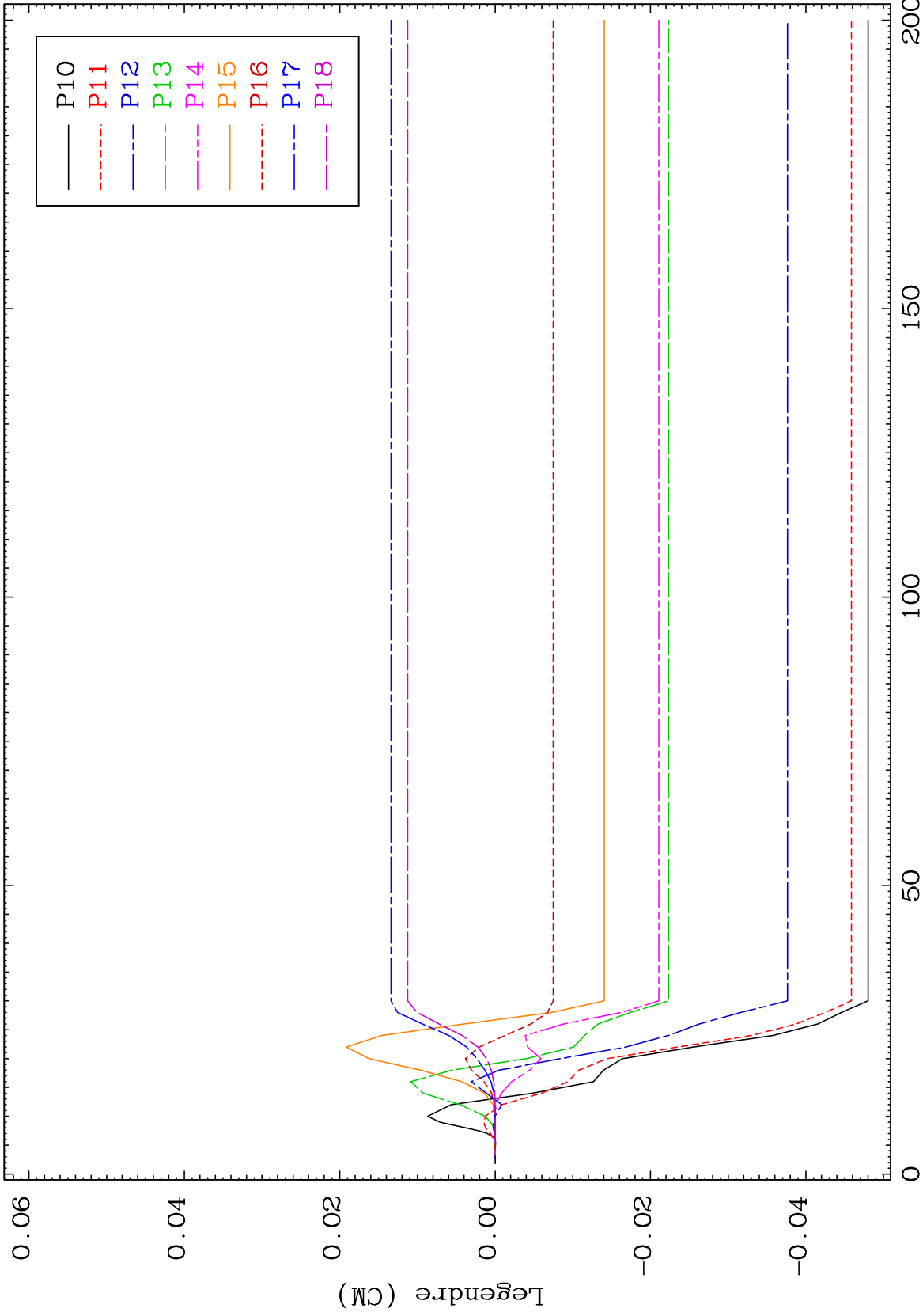


83 54-Xe-131

MAT 5446

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

54-Xe-131



84

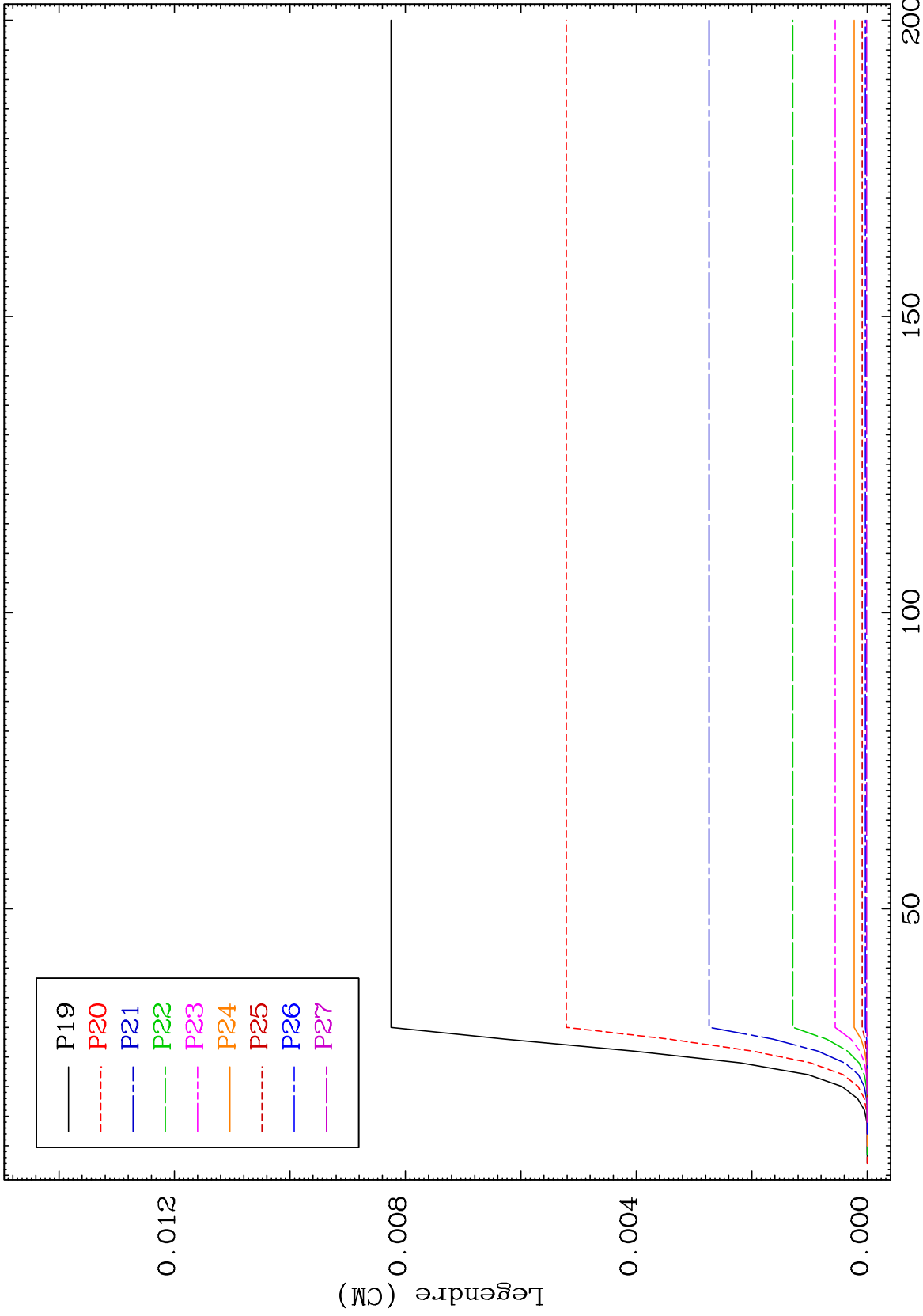
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



85

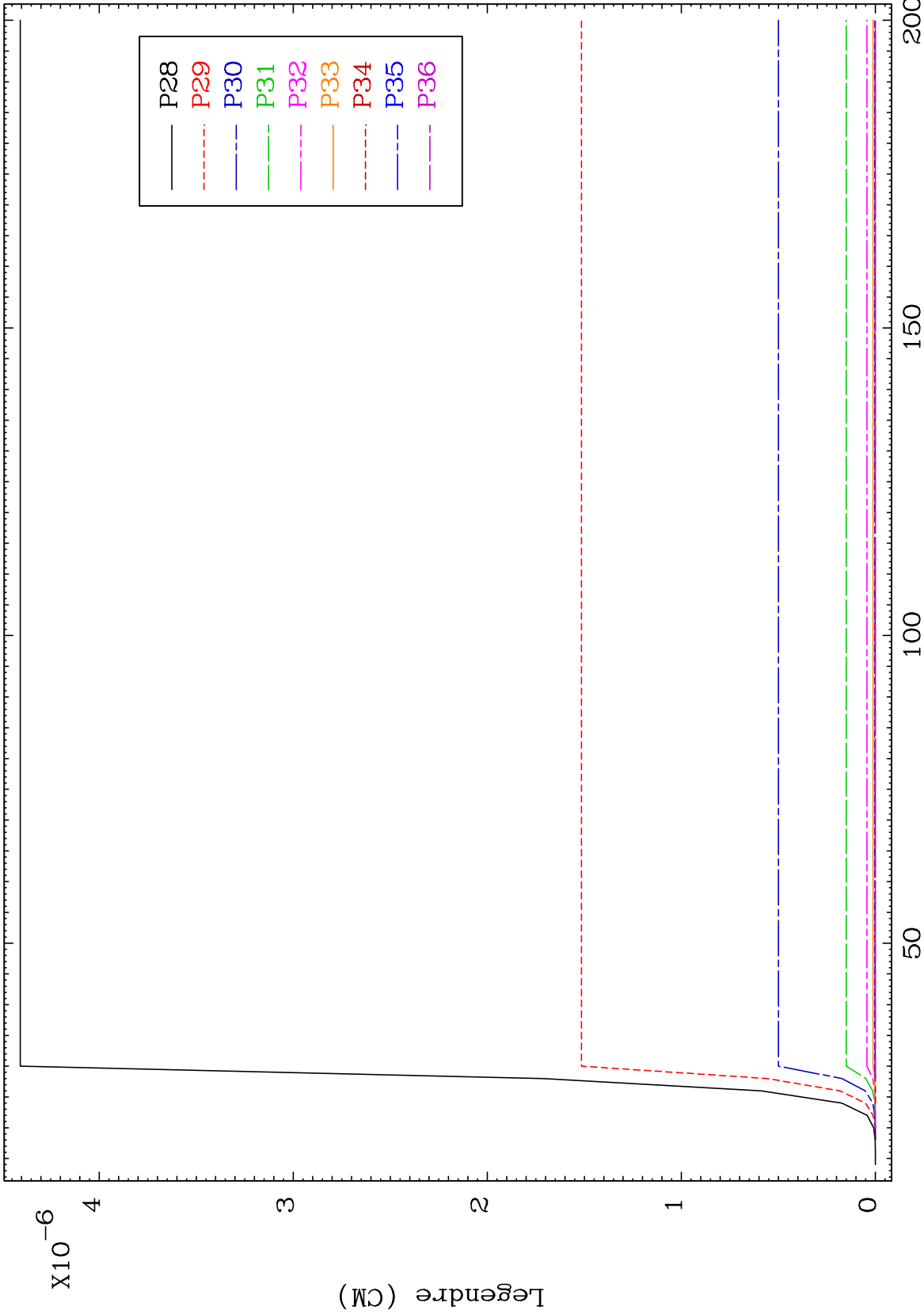
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



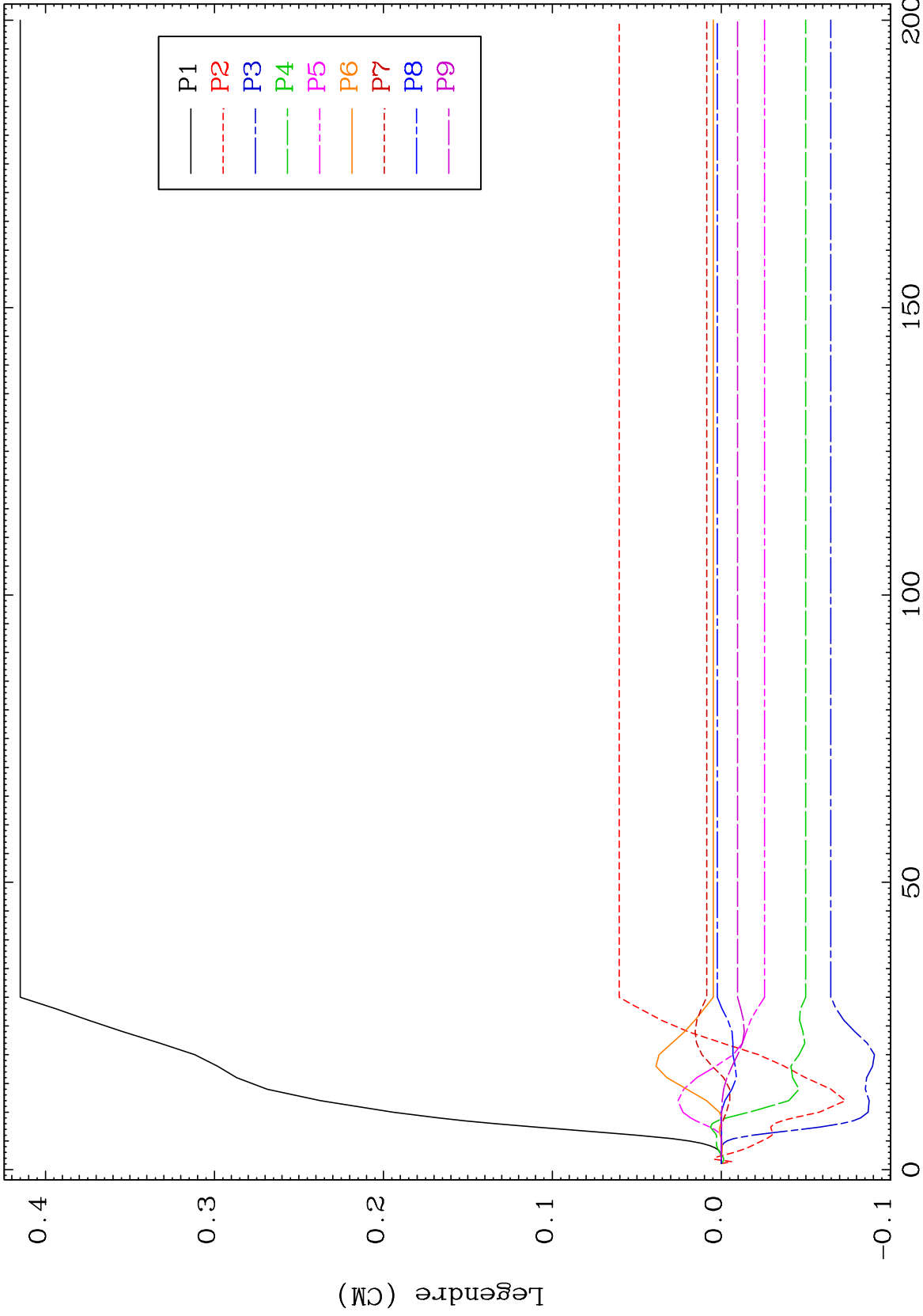
86

54-Xe-131

MAT 5446

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

54-Xe-131



87

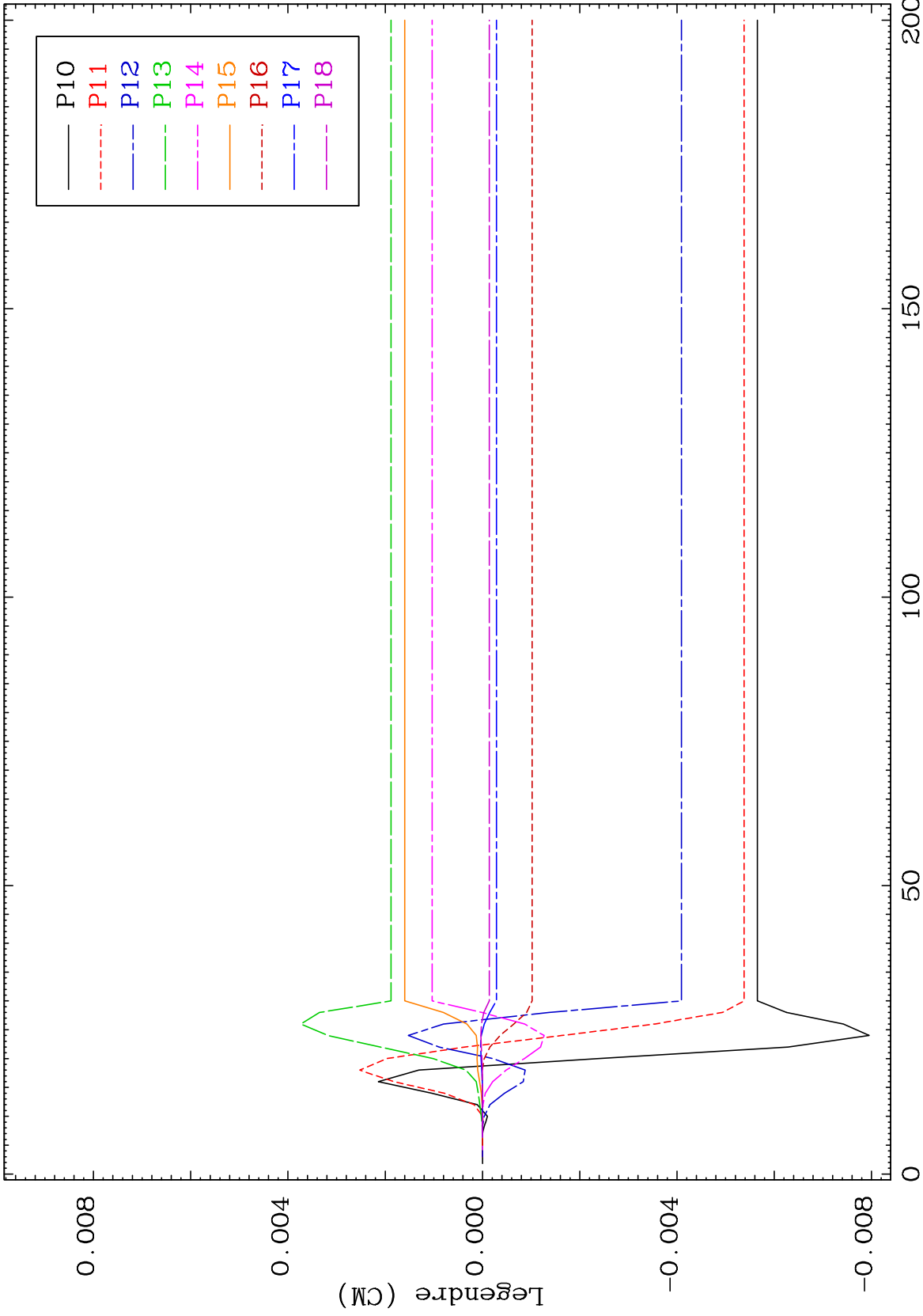
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



88

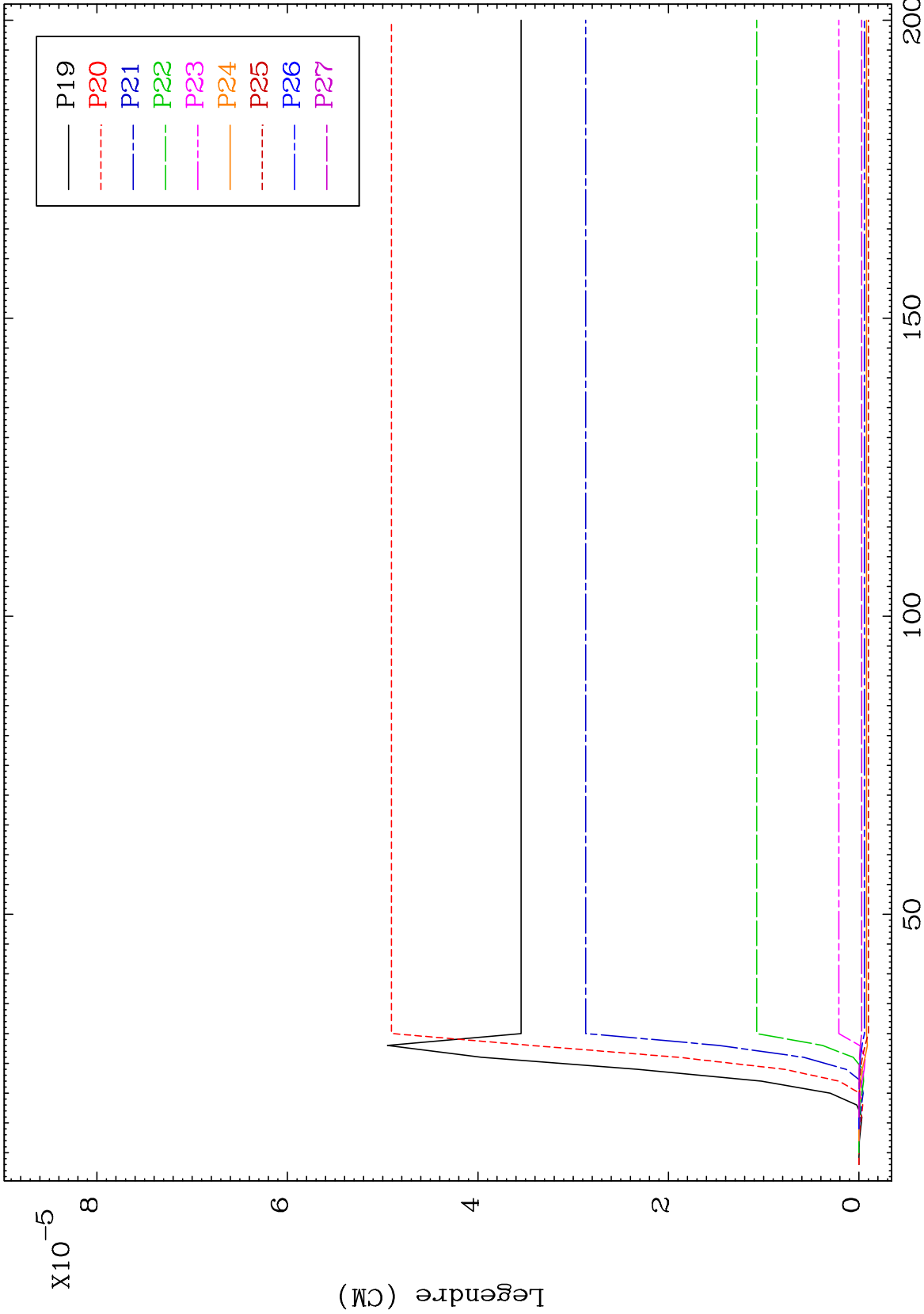
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

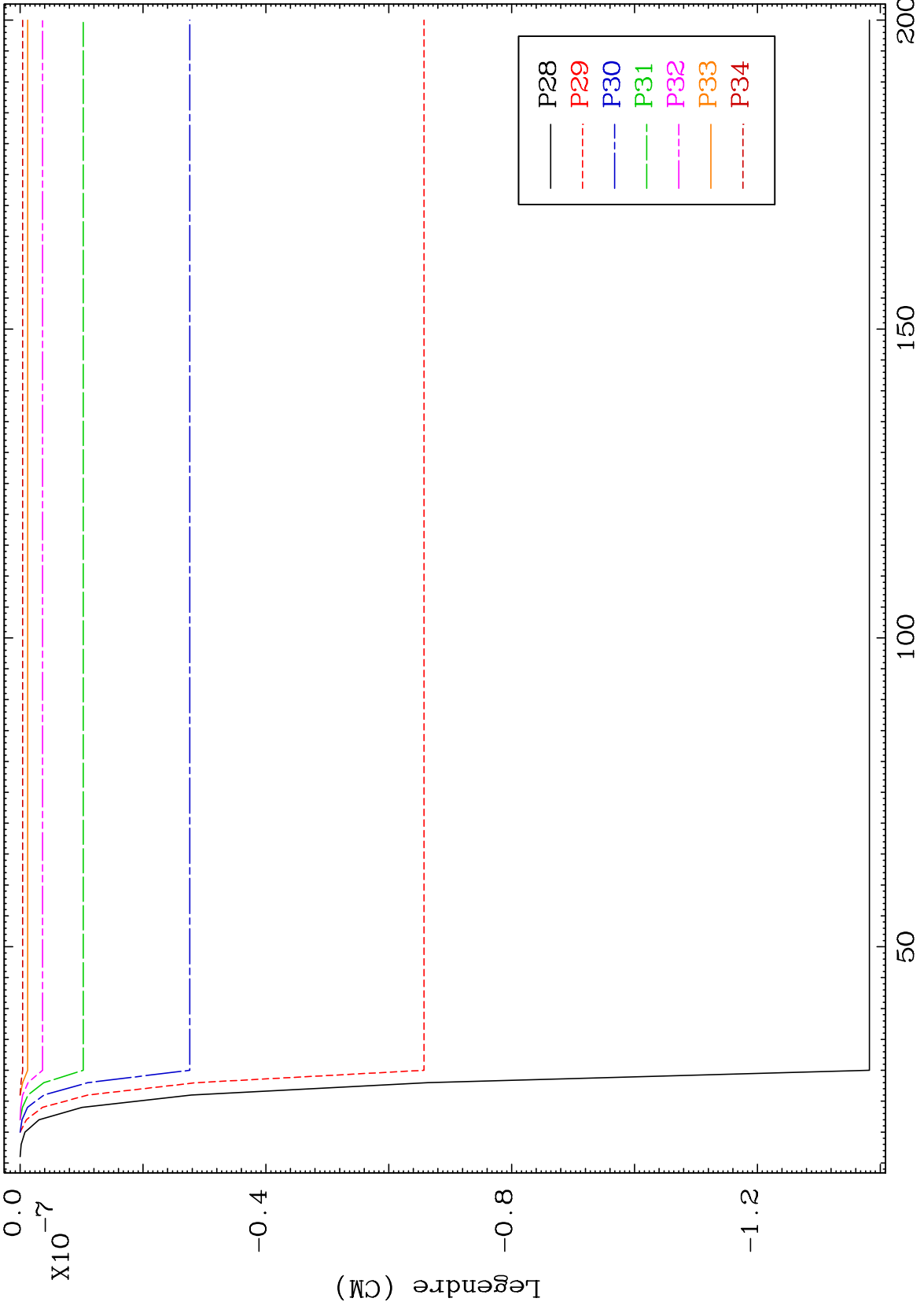
54-Xe-131



89

54-Xe-131

MAT 5446 MT= 68 (n,n') Level Legendre Coefficients 54-Xe-131

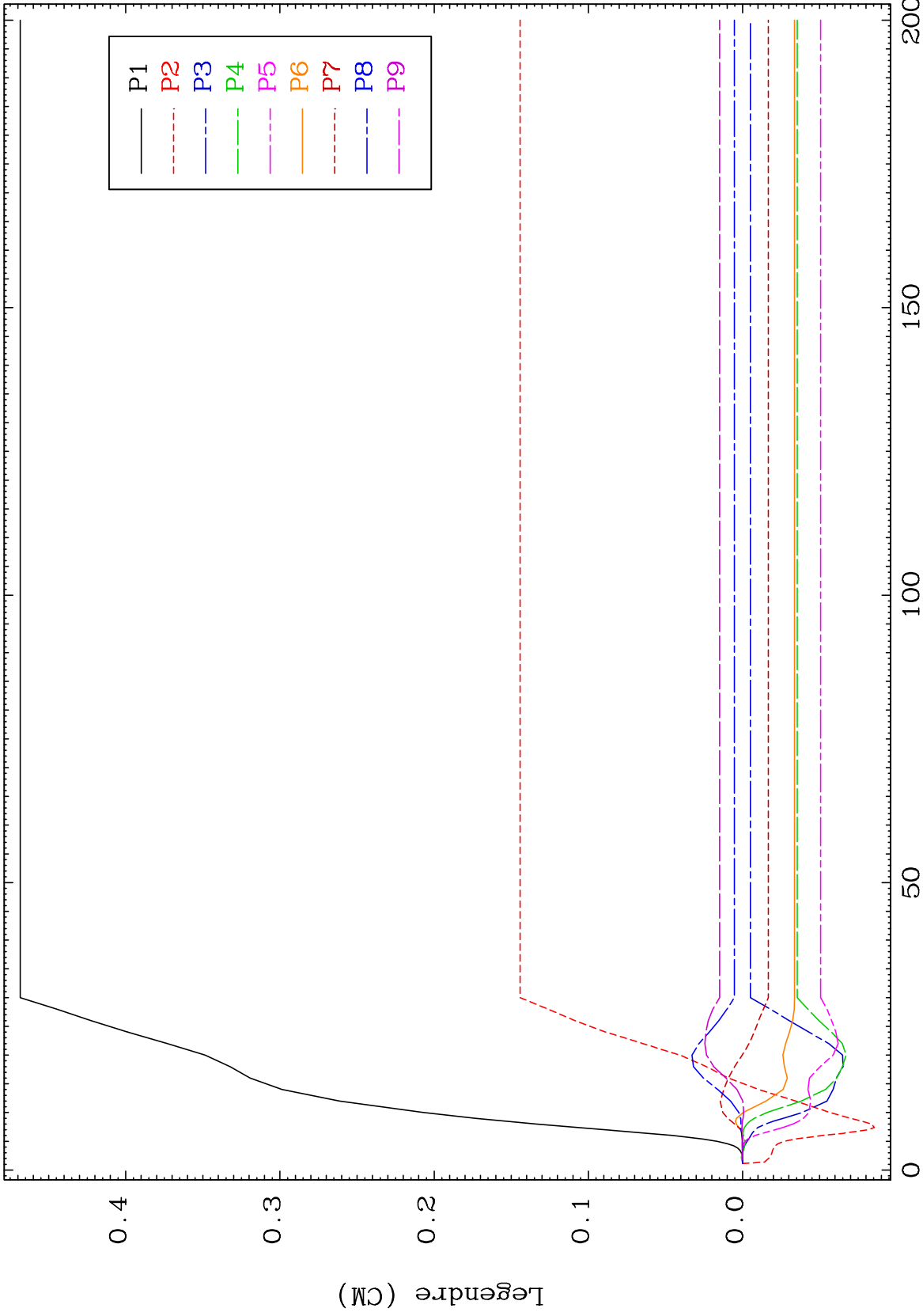


90 Incident Energy (MeV) 54-Xe-131

MAT 5446

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

54-Xe-131



91

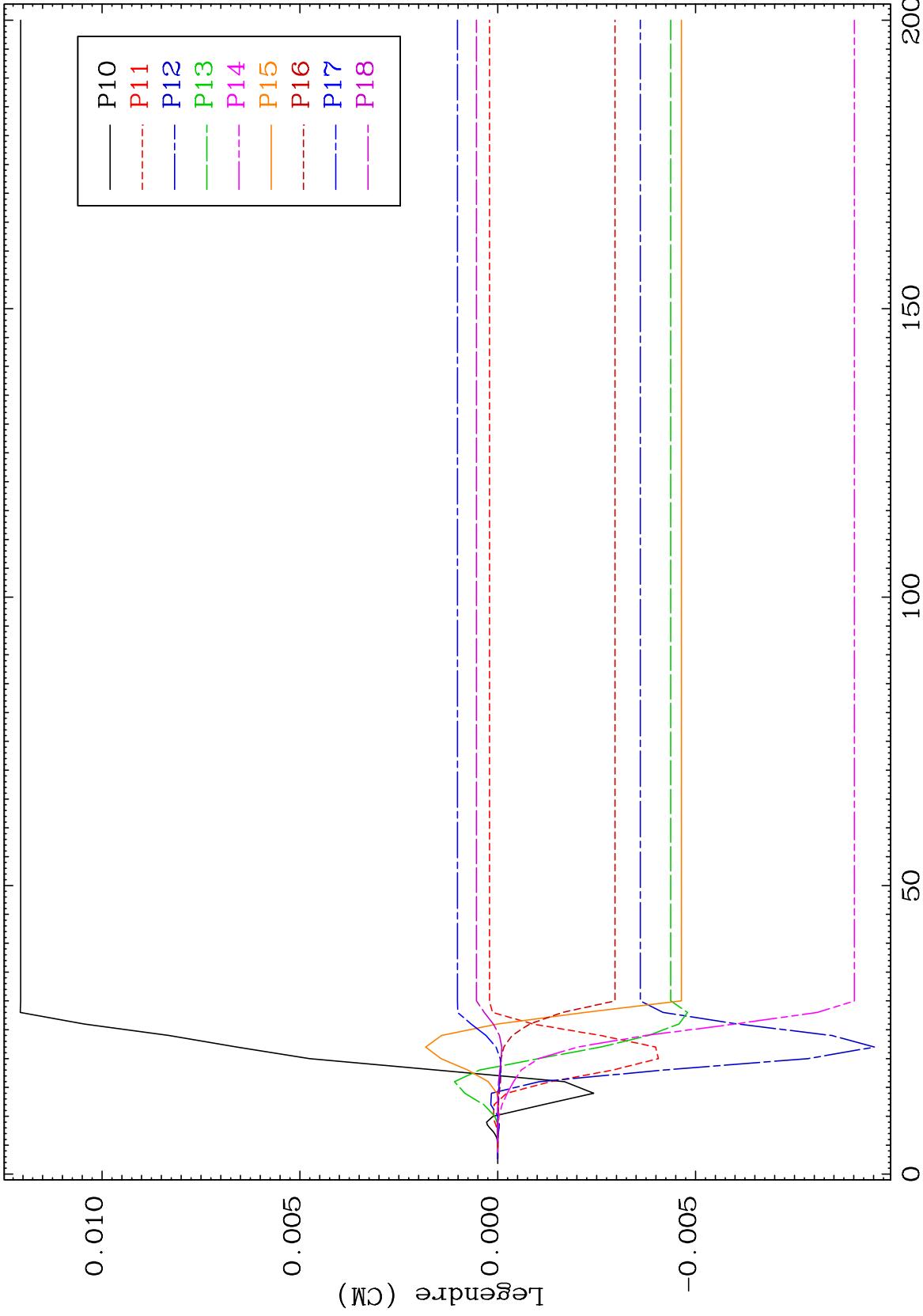
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



92

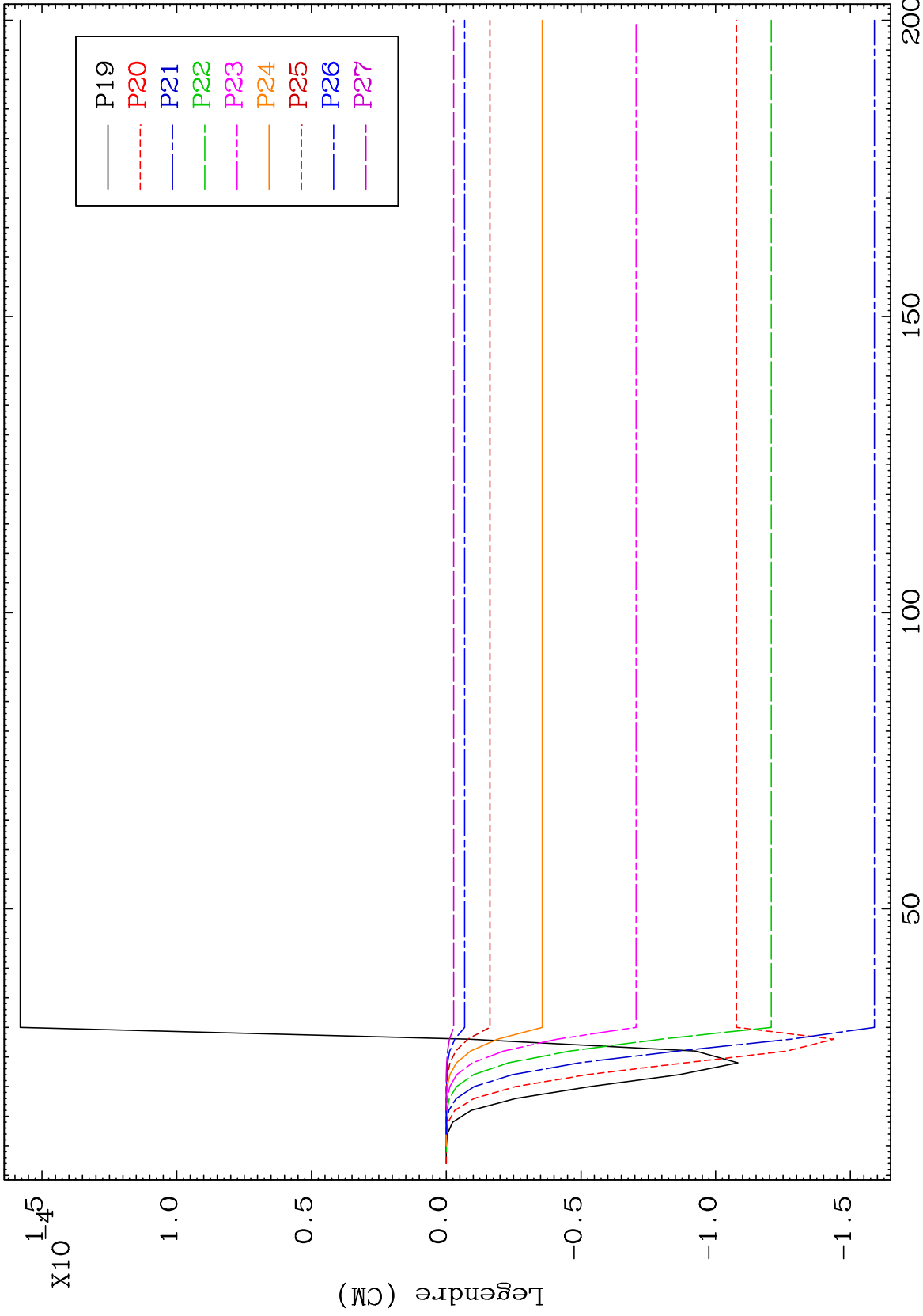
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131

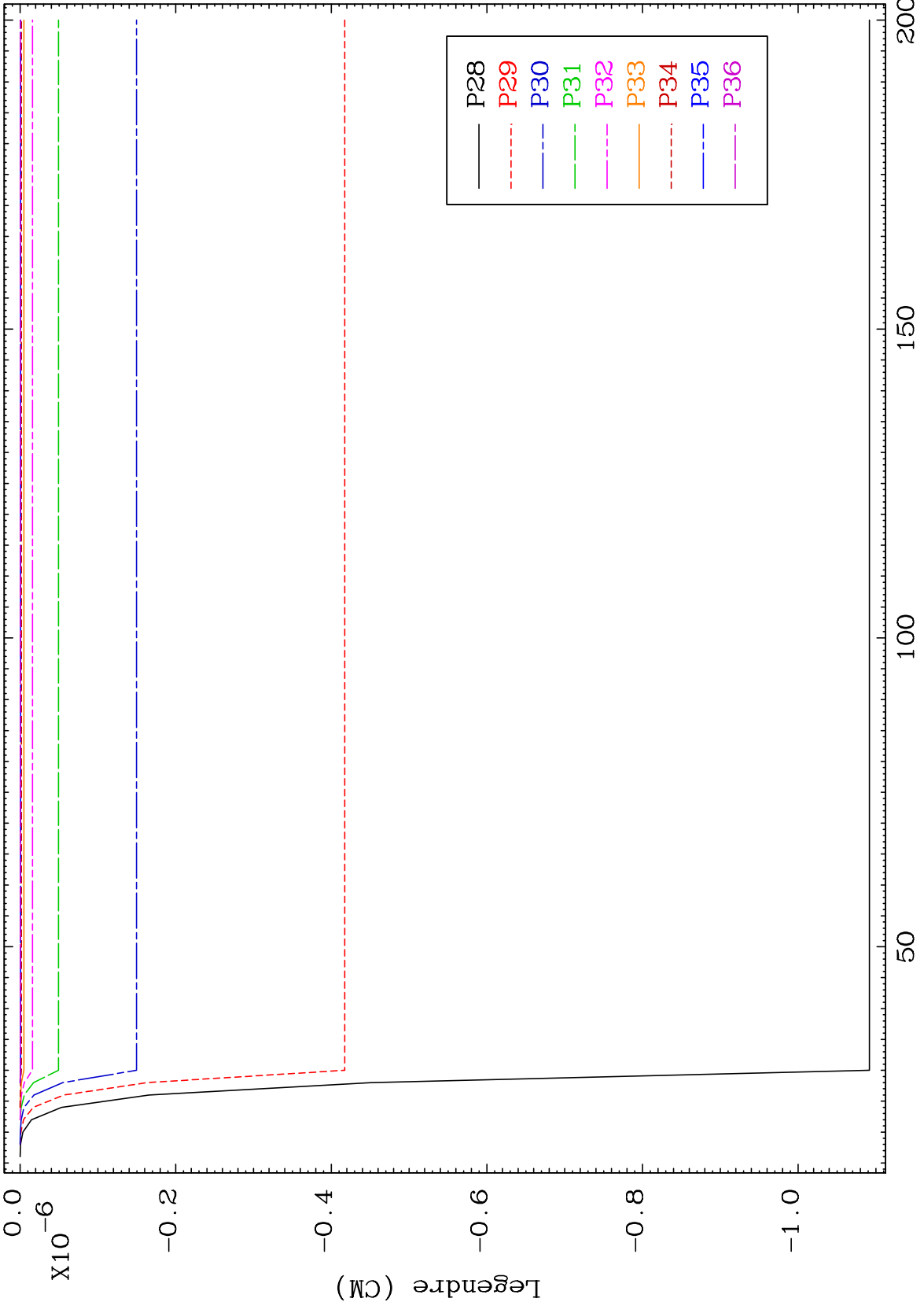


93

Incident Energy (MeV)

54-Xe-131

MAT 5446 MT= 69 (n,n') Level Legendre Coefficients 54-Xe-131

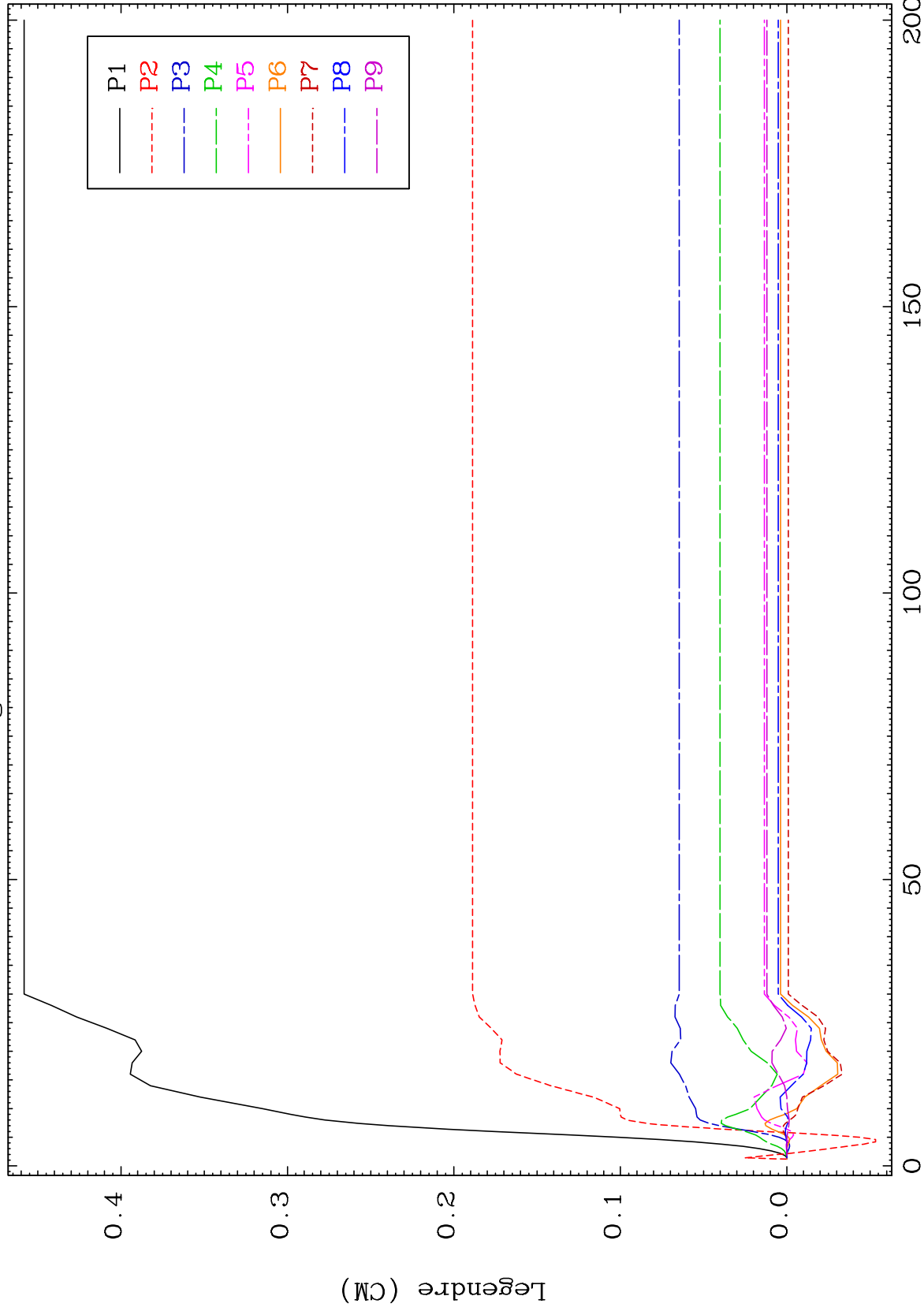


94 54-Xe-131

MAT 5446

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

54-Xe-131



95

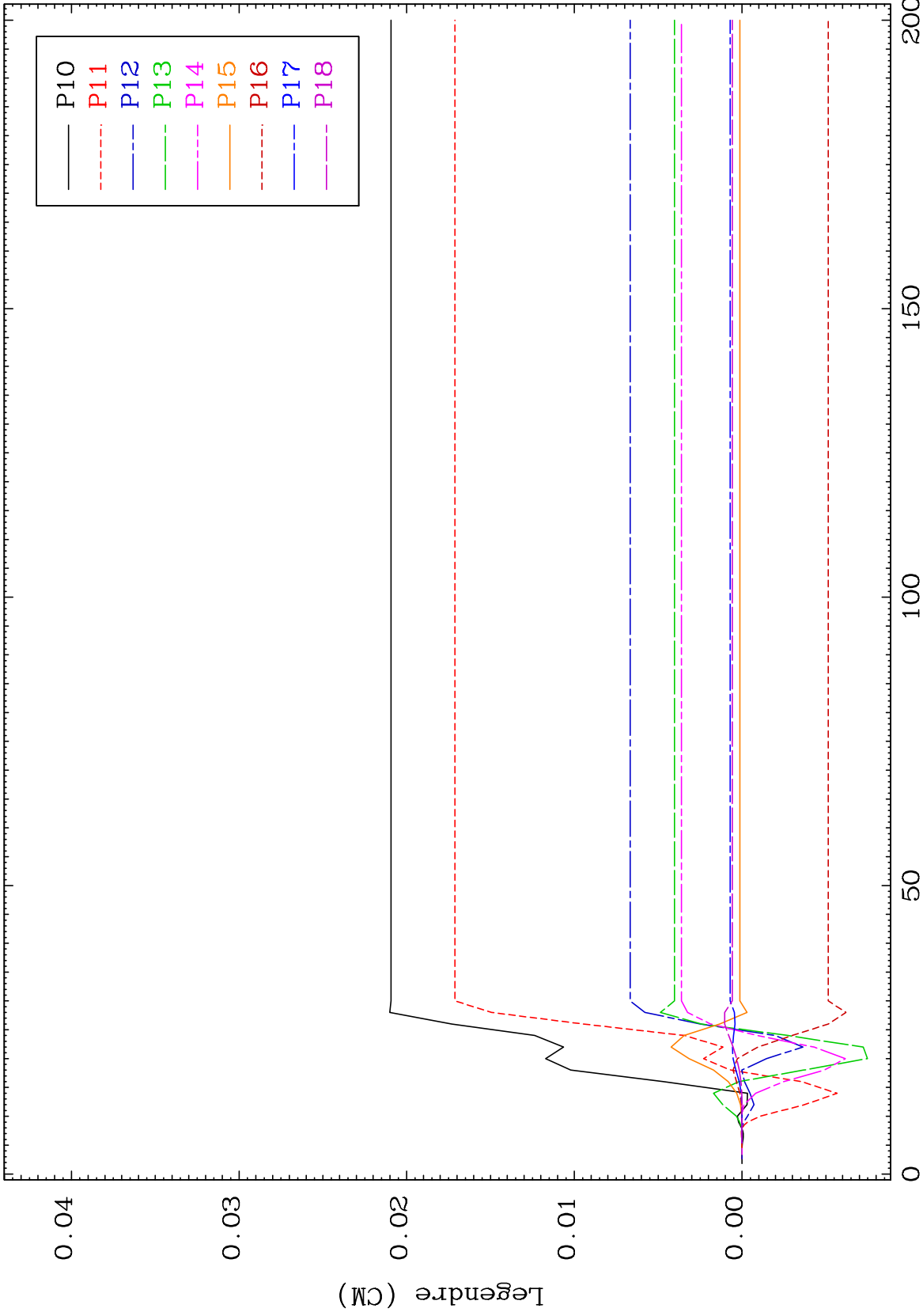
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



96

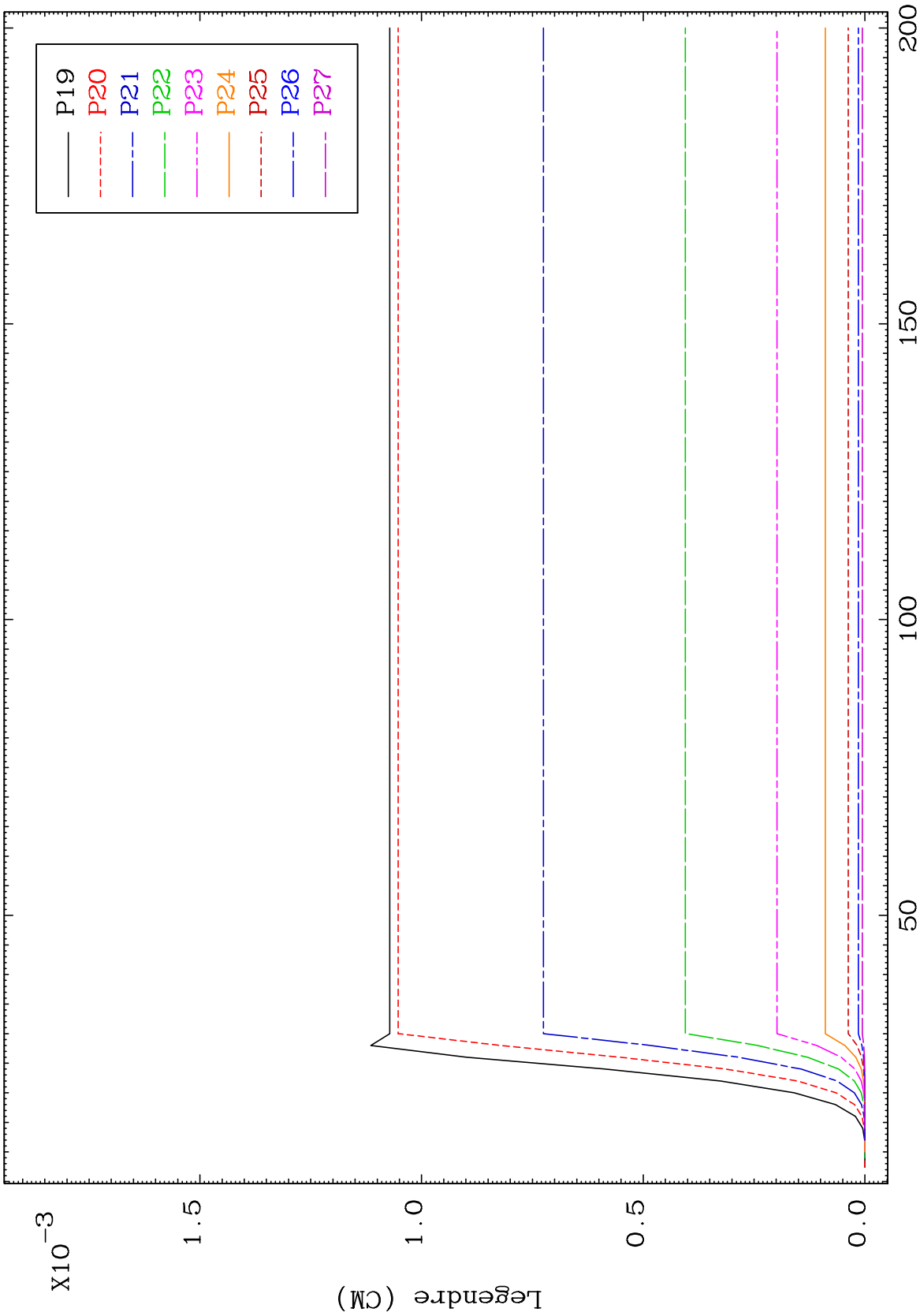
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



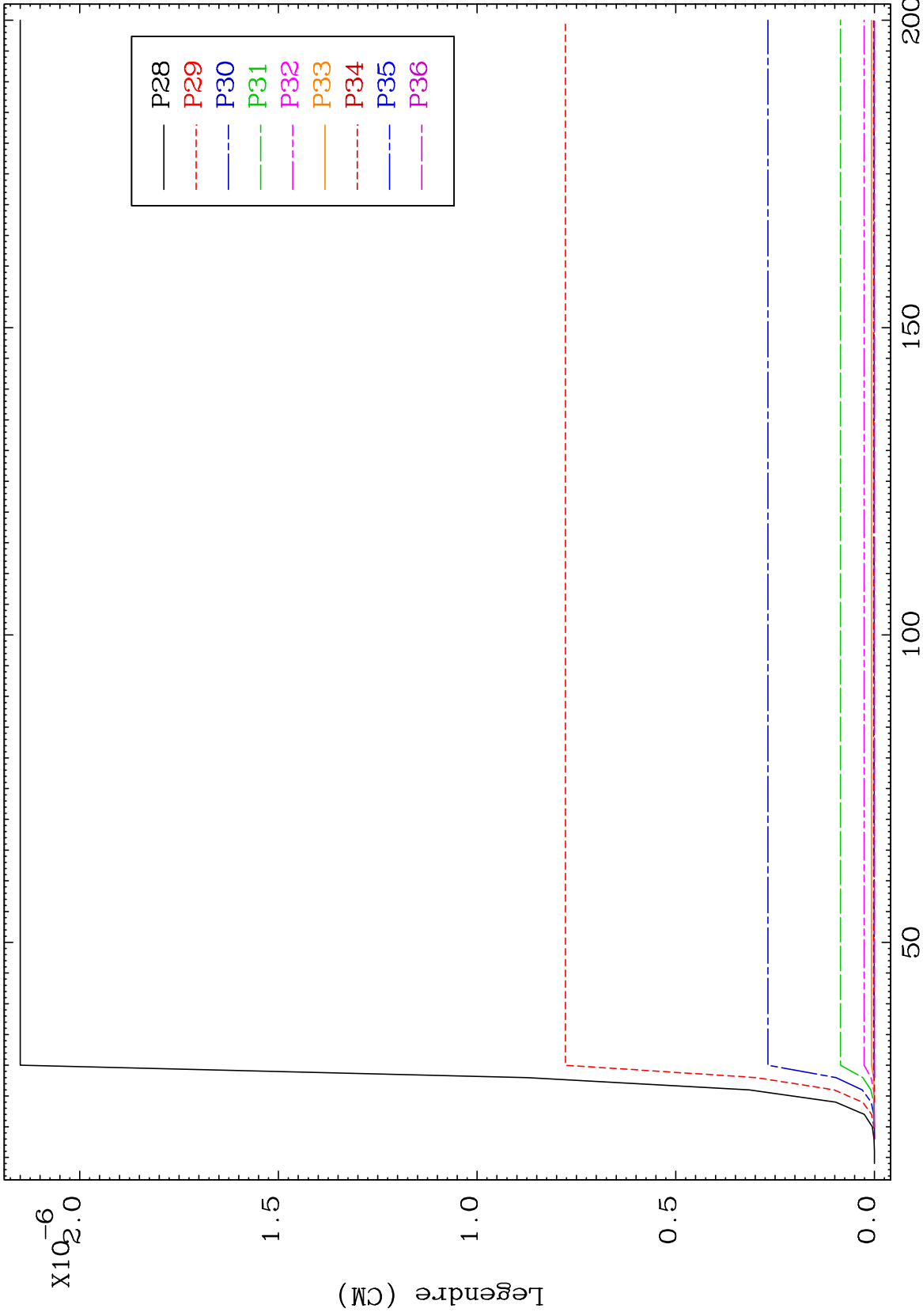
97

54-Xe-131

MAT 5446

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

54-Xe-131



98

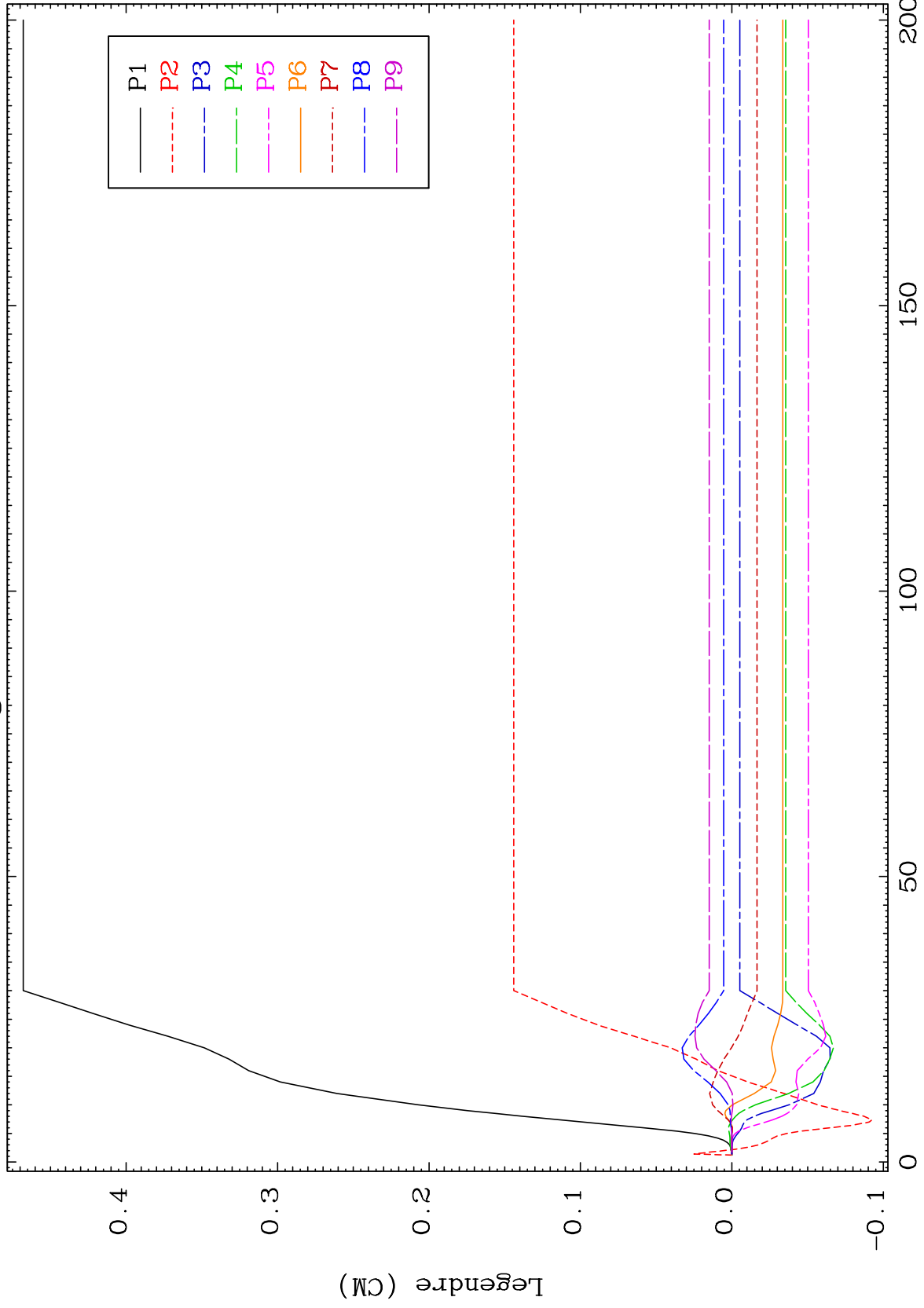
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



99

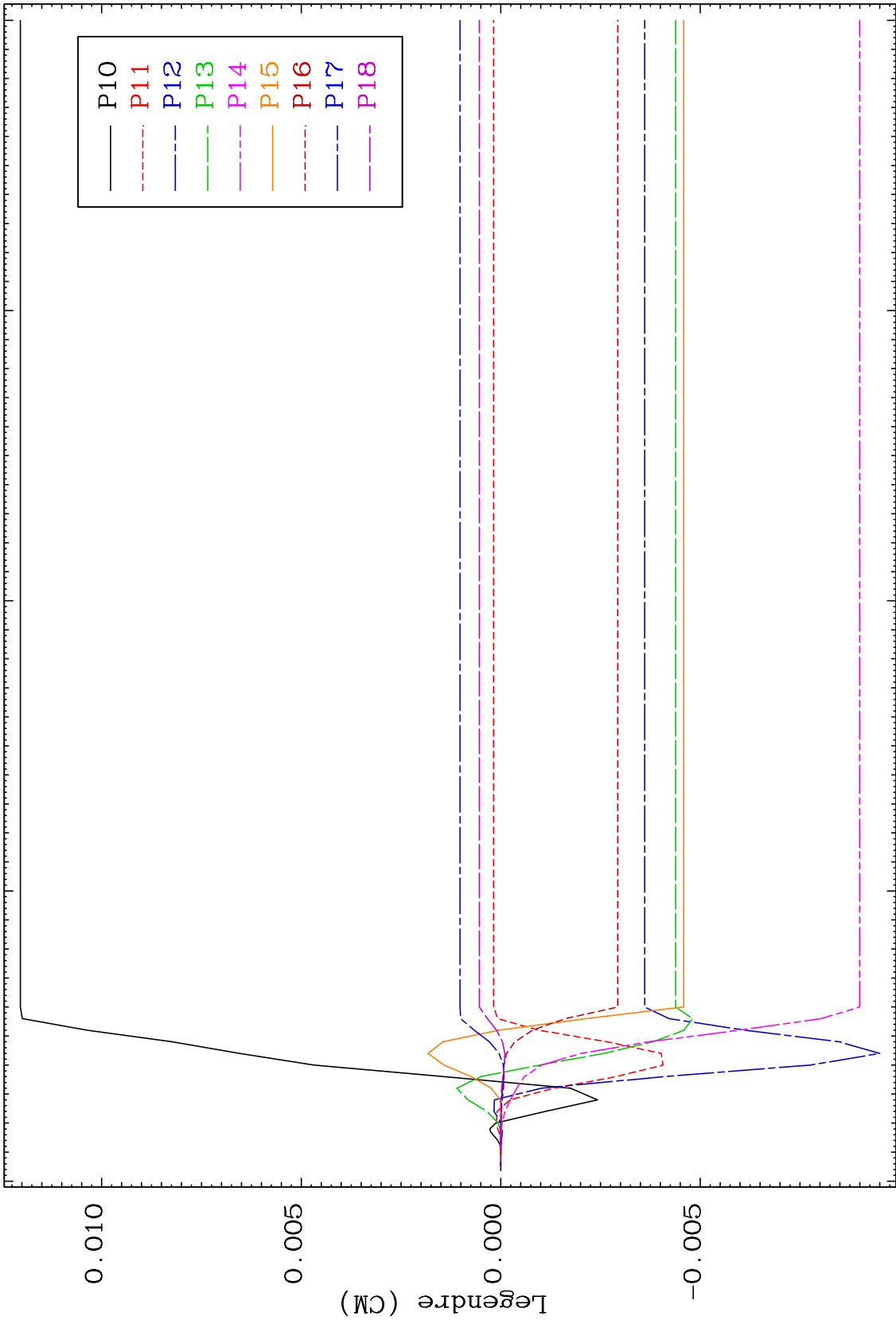
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



54-Xe-131

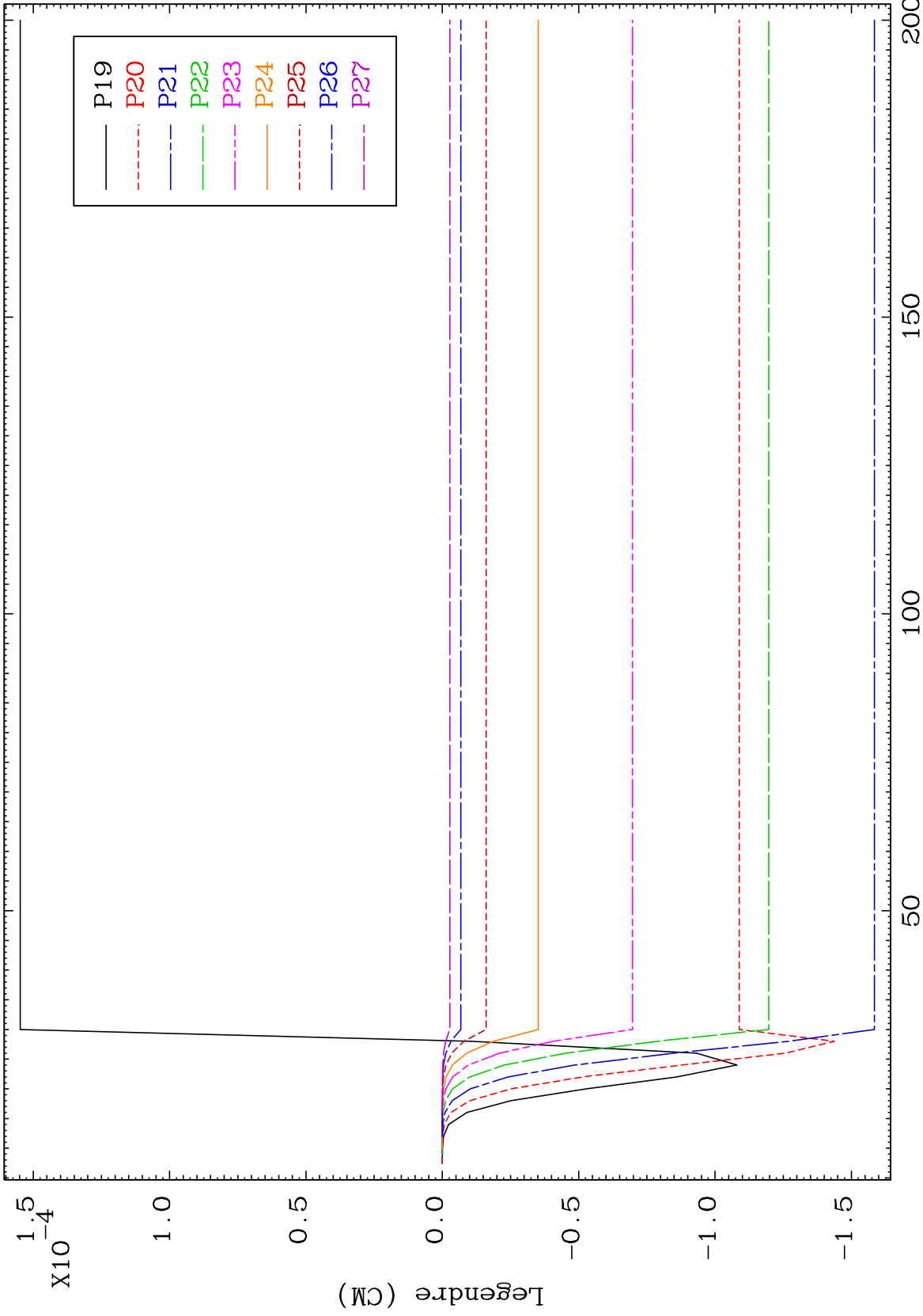
Incident Energy (MeV)

100

MAT 5446

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

54-Xe-131

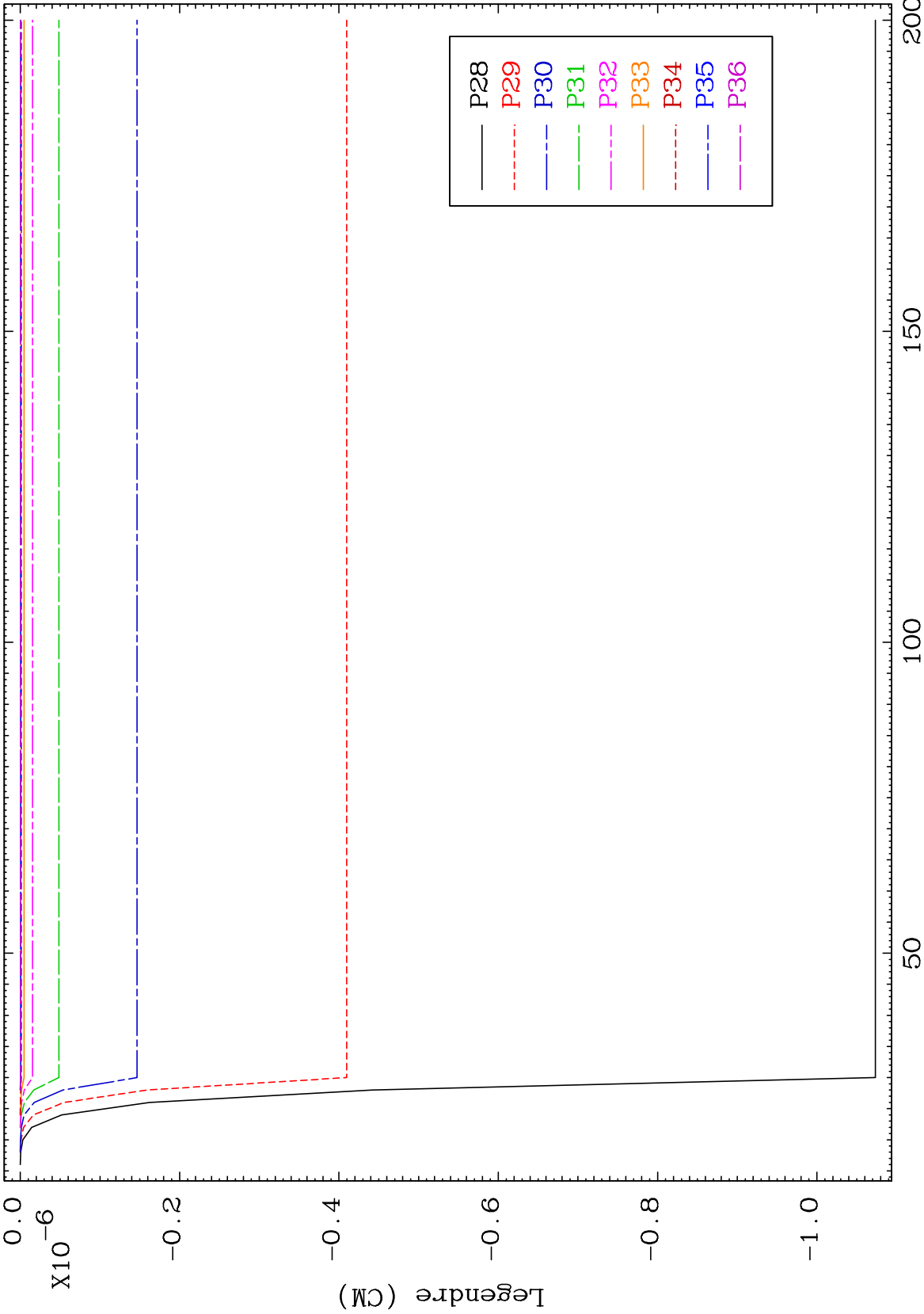


101

Incident Energy (MeV)

54-Xe-131

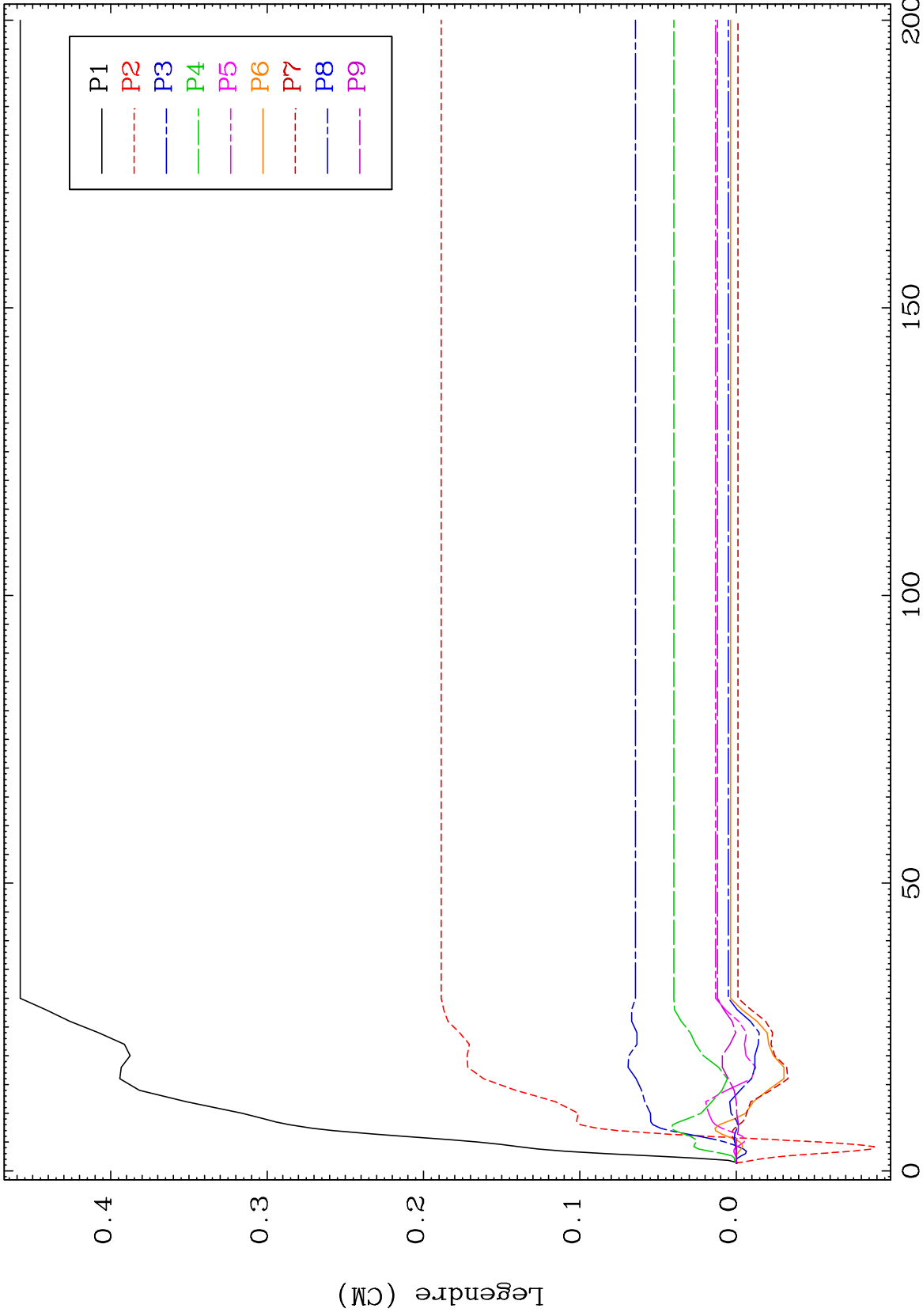
MAT 5446 MT= 71 (n,n') Level Legendre Coefficients 54-Xe-131



MAT 5446

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

54-Xe-131



103

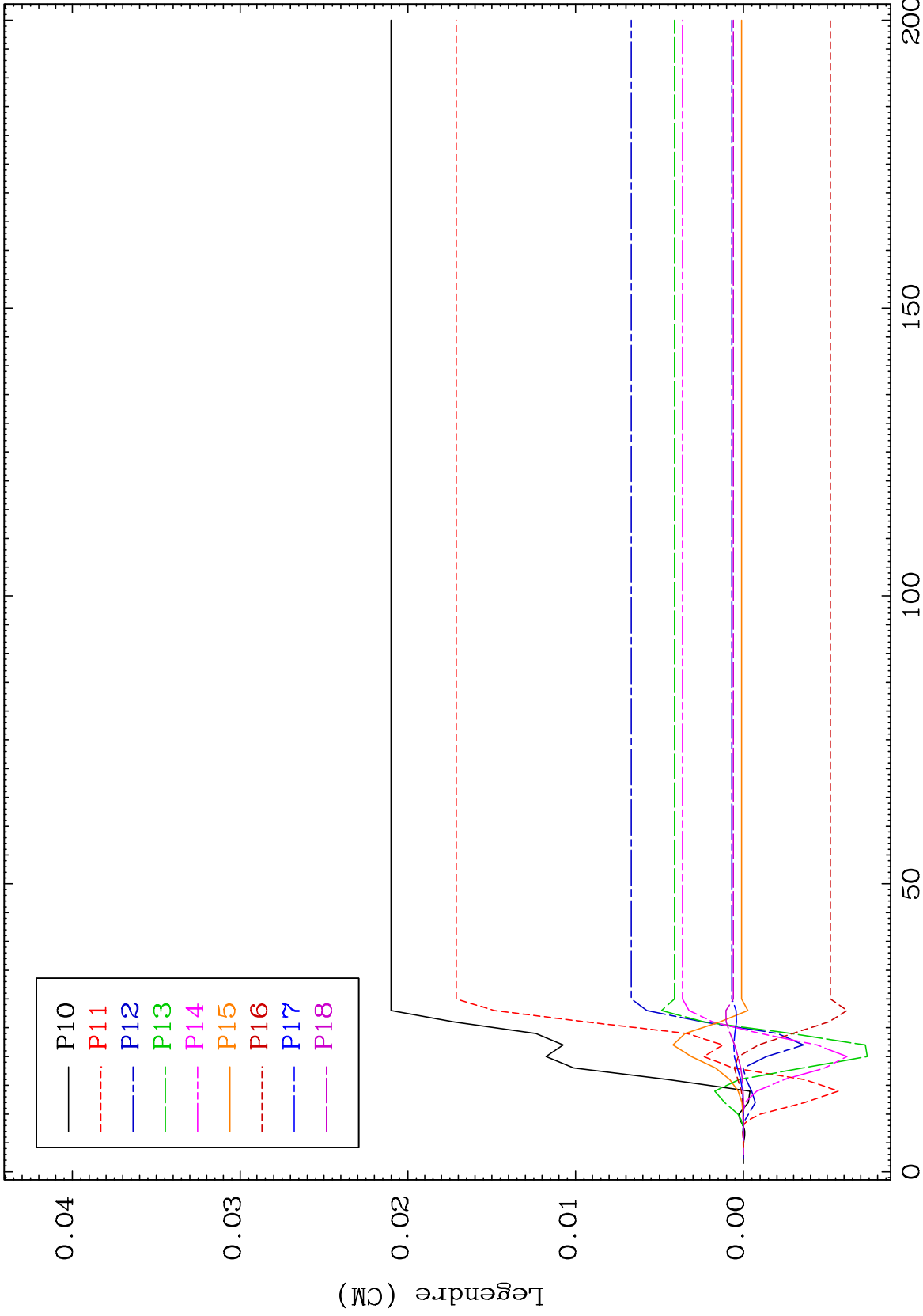
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



104

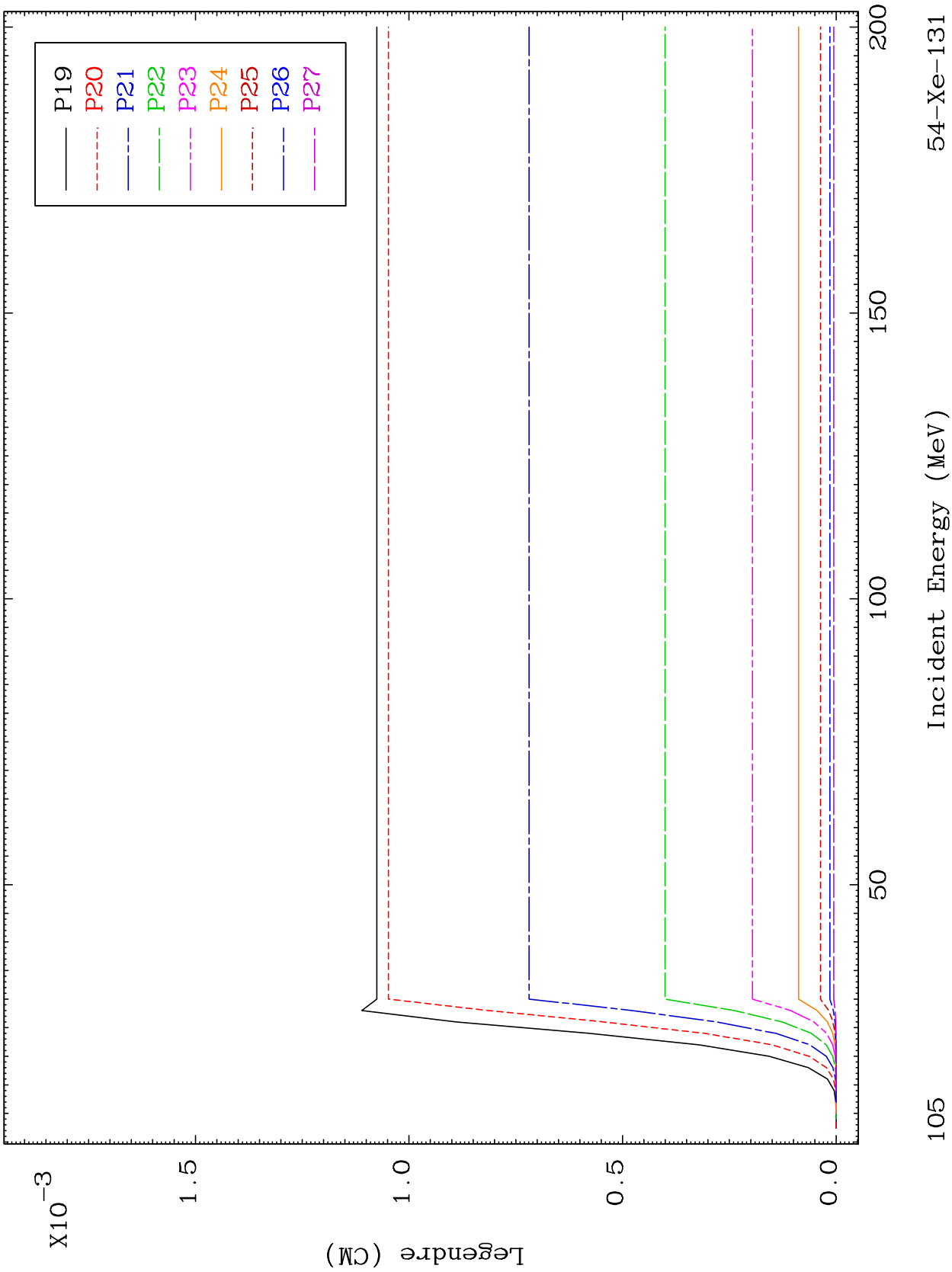
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



105

50

100

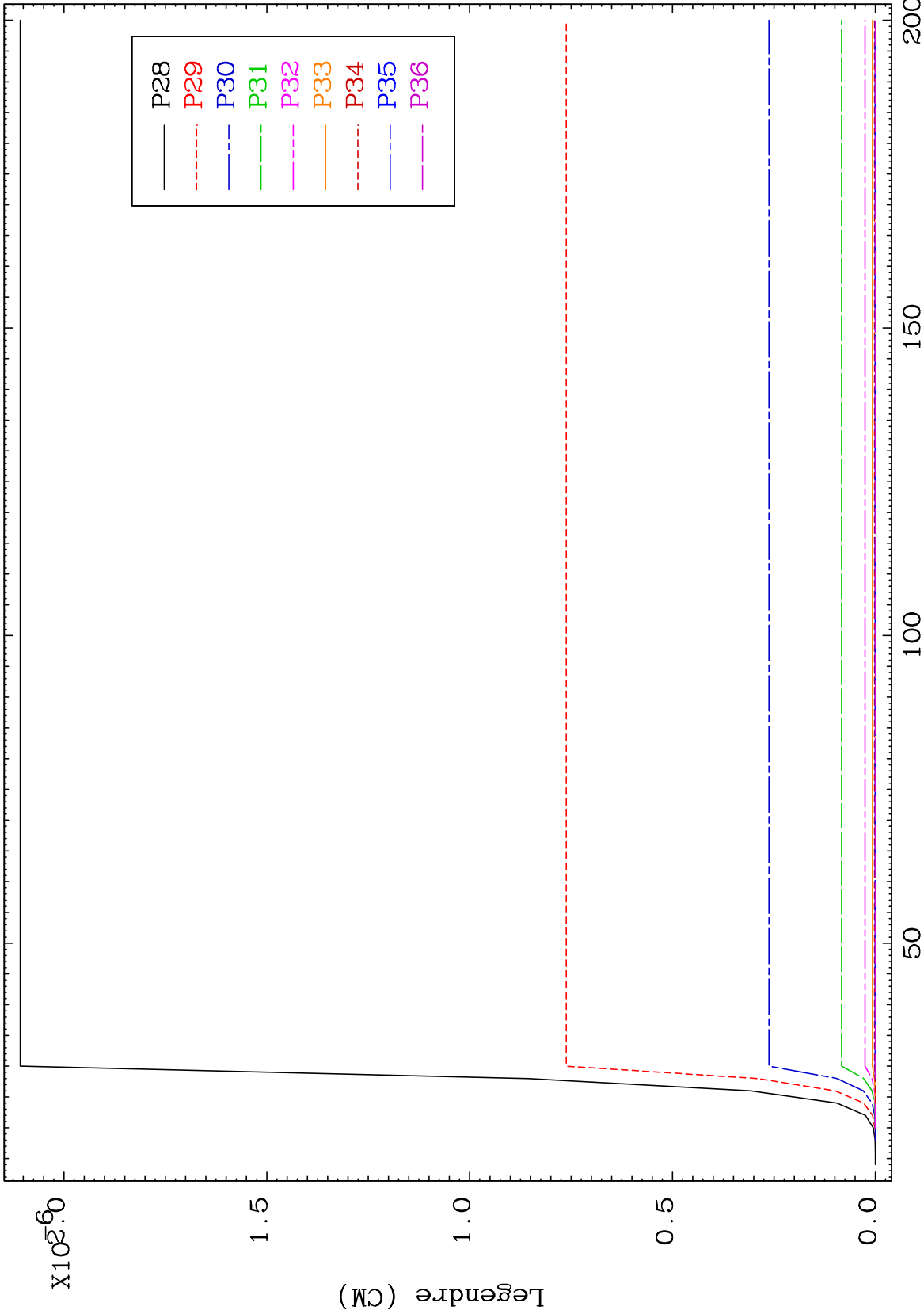
150

200

MAT 5446

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

54-Xe-131



106

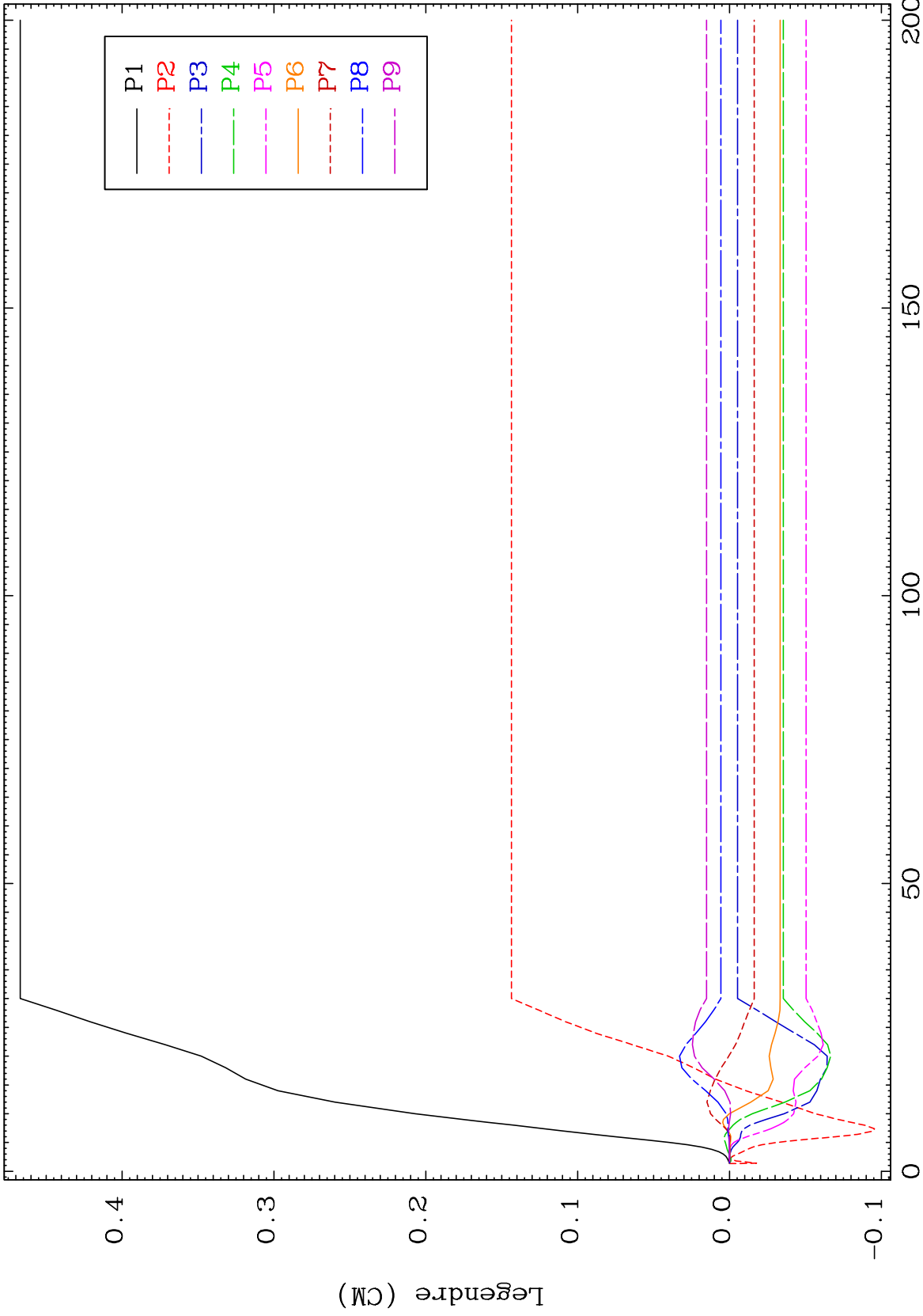
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



107

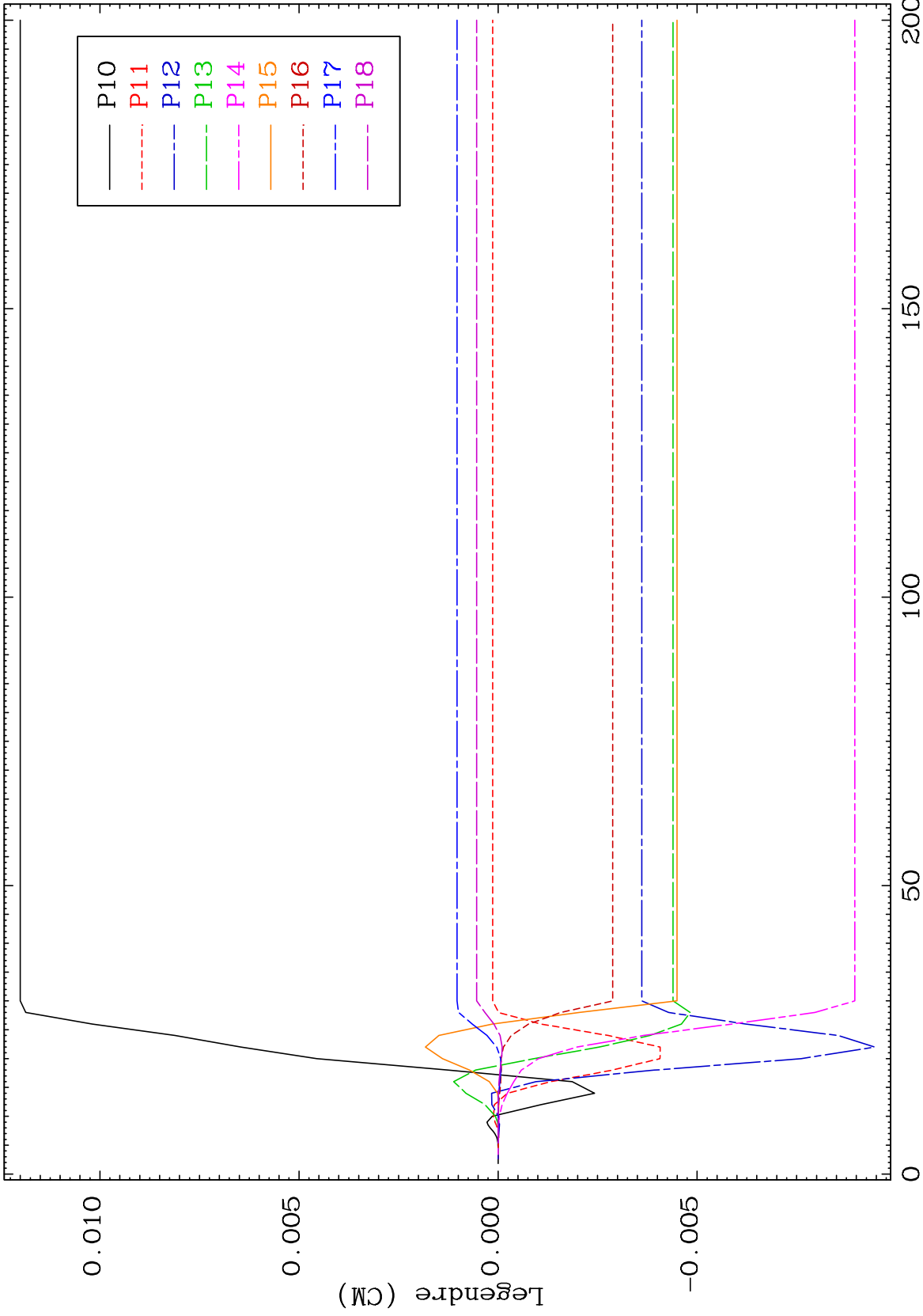
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



108

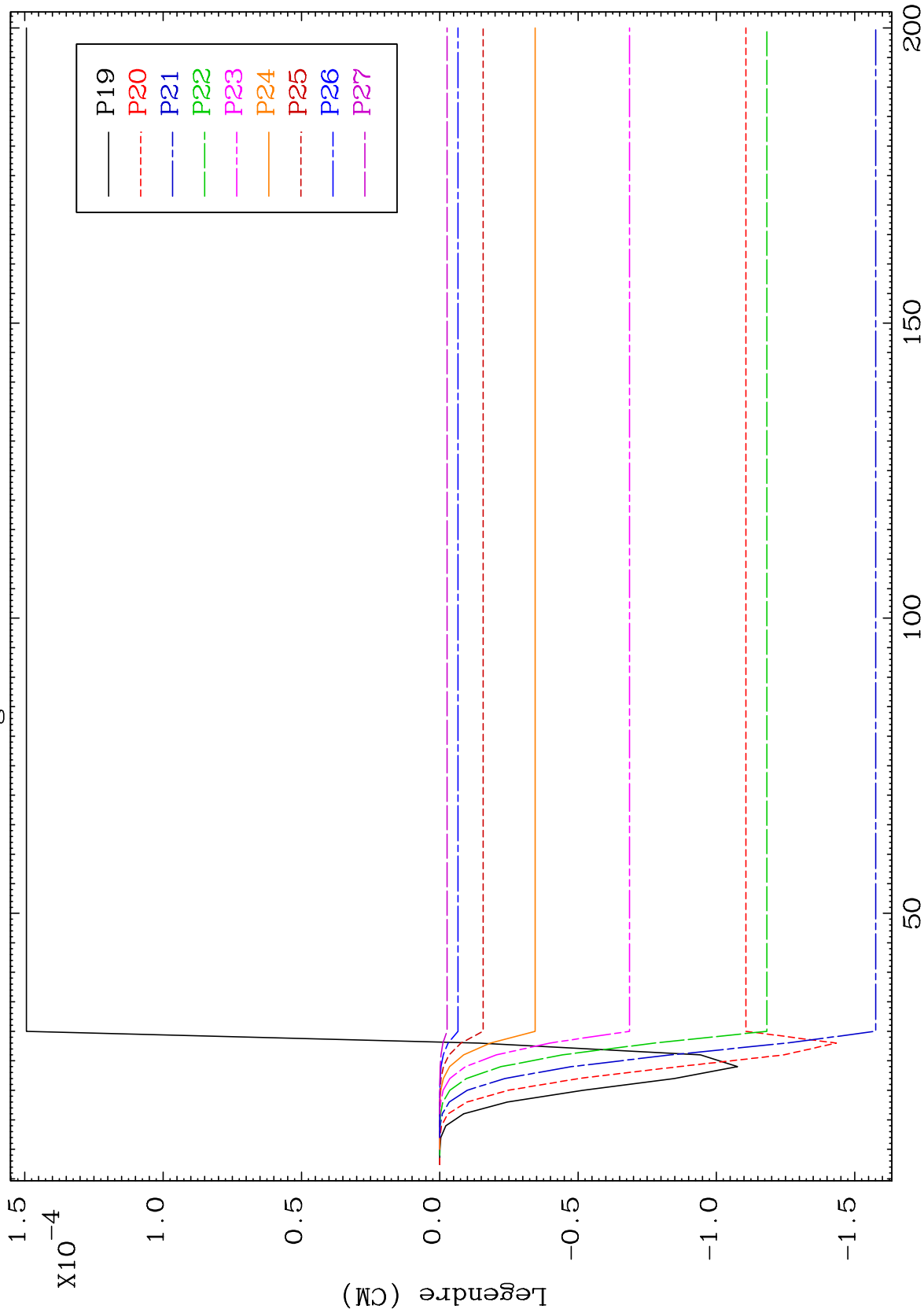
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131

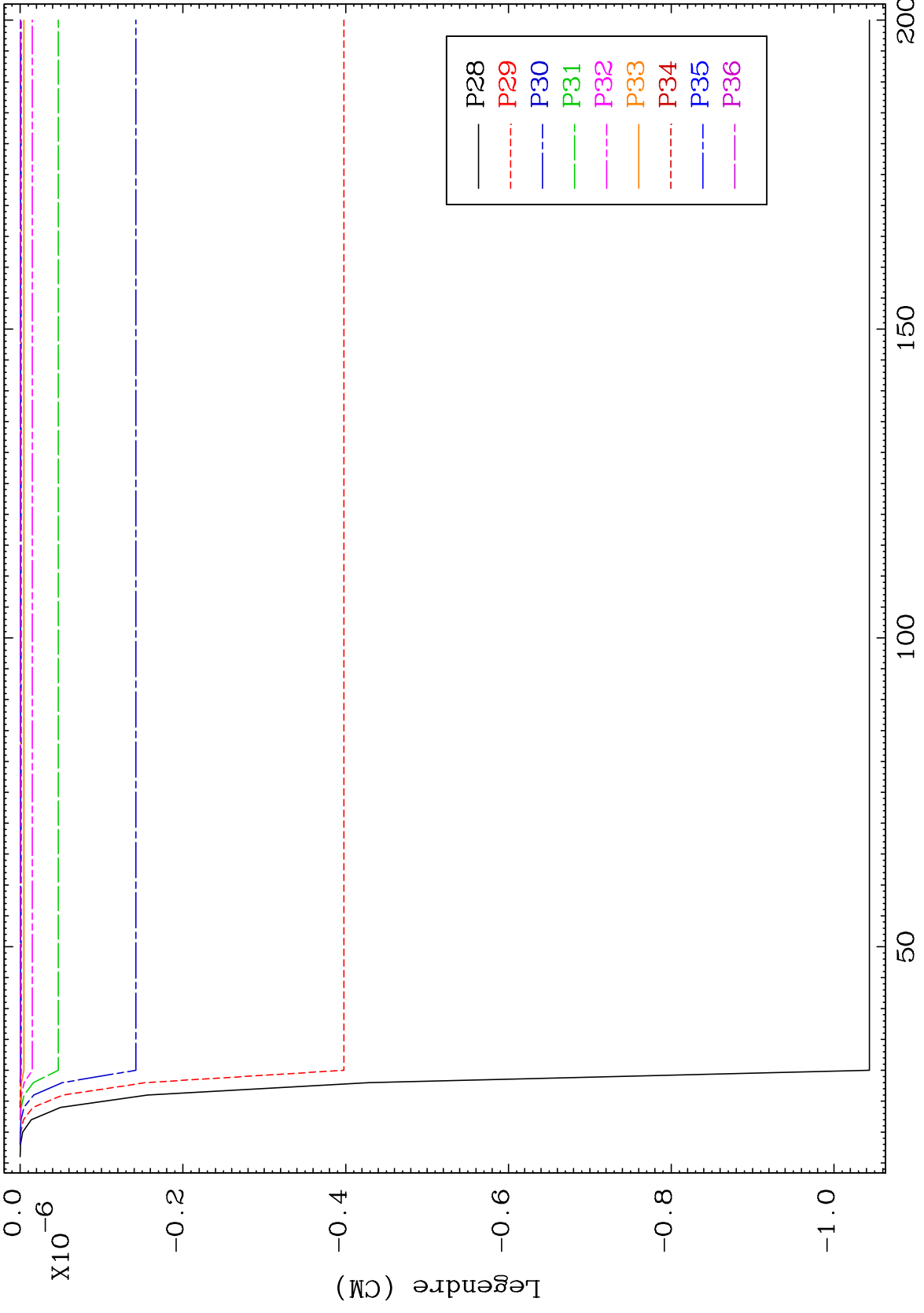


109

Incident Energy (MeV)

54-Xe-131

MAT 5446 MT= 73 (n,n') Level Legendre Coefficients 54-Xe-131

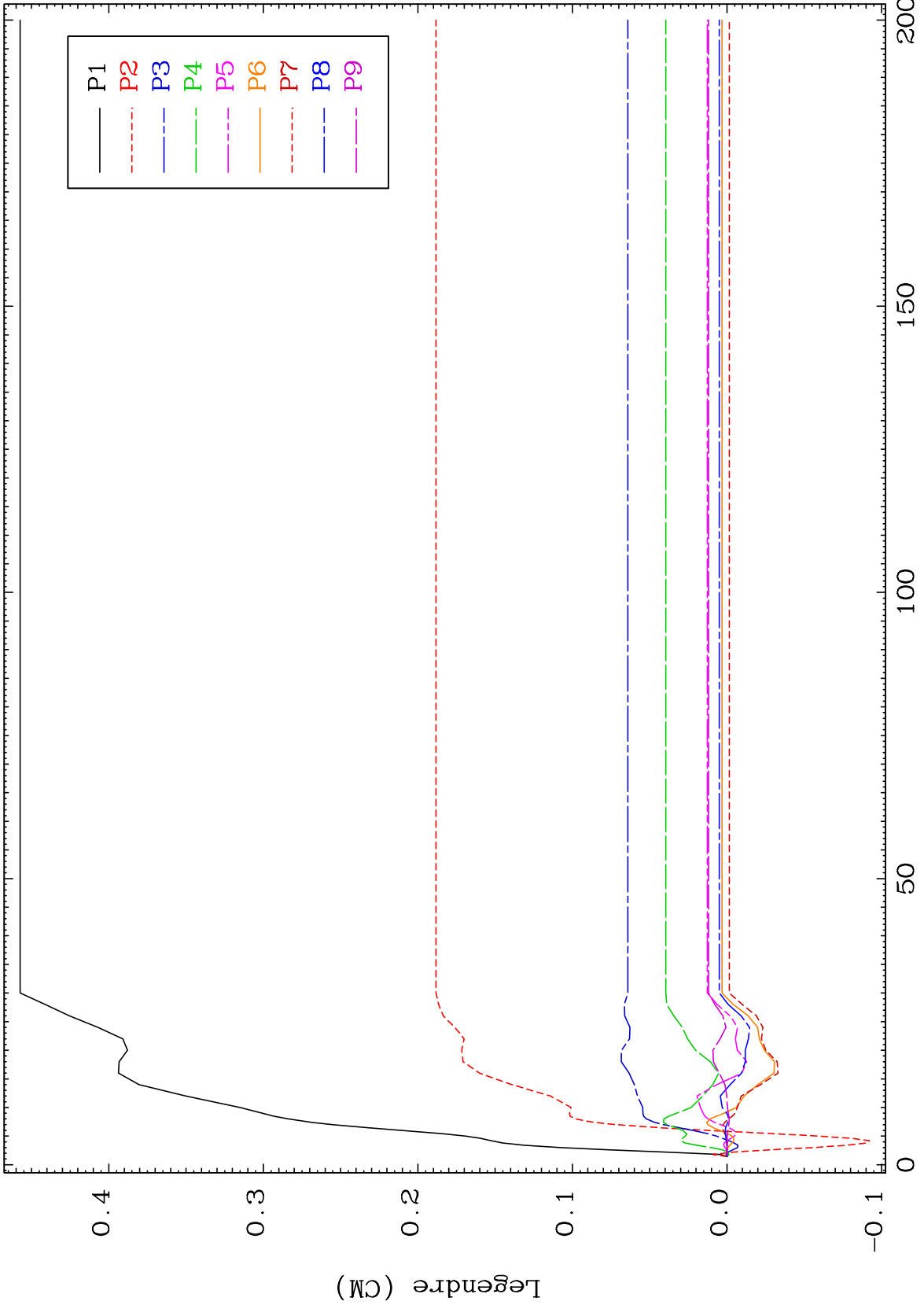


110 Incident Energy (MeV) 54-Xe-131

MAT 5446

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

54-Xe-131



54-Xe-131

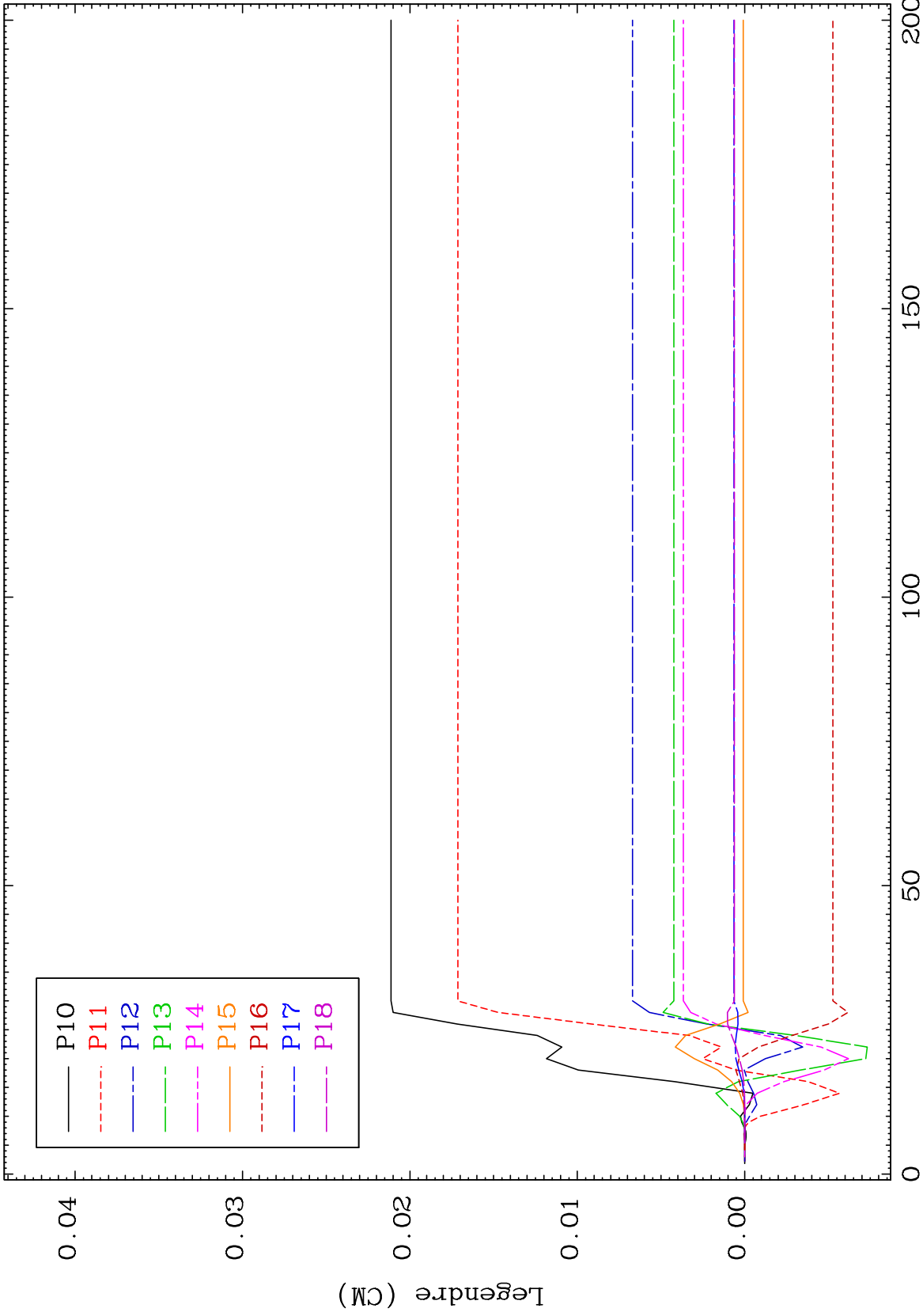
Incident Energy (MeV)

111

MAT 5446

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

54-Xe-131



112

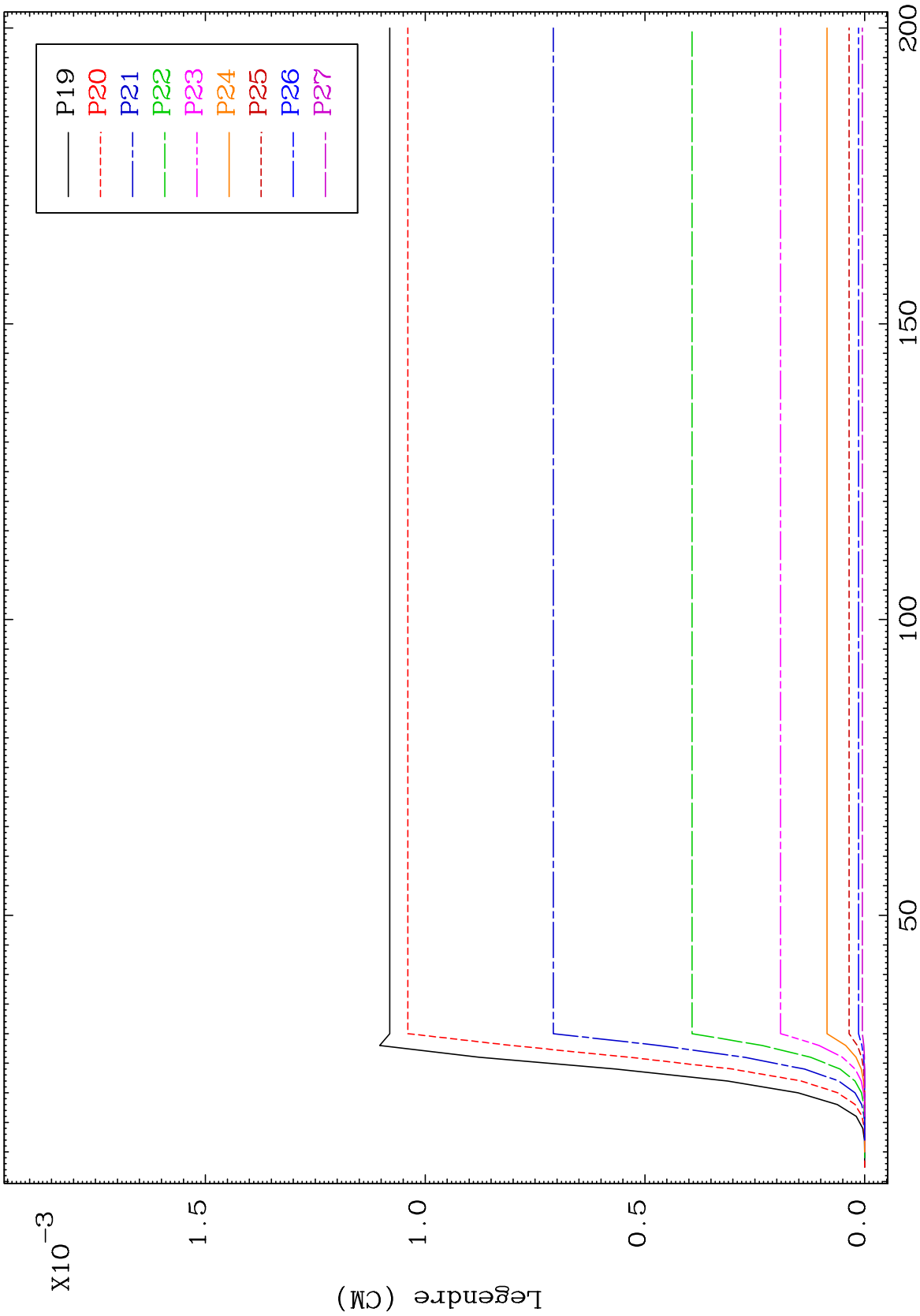
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



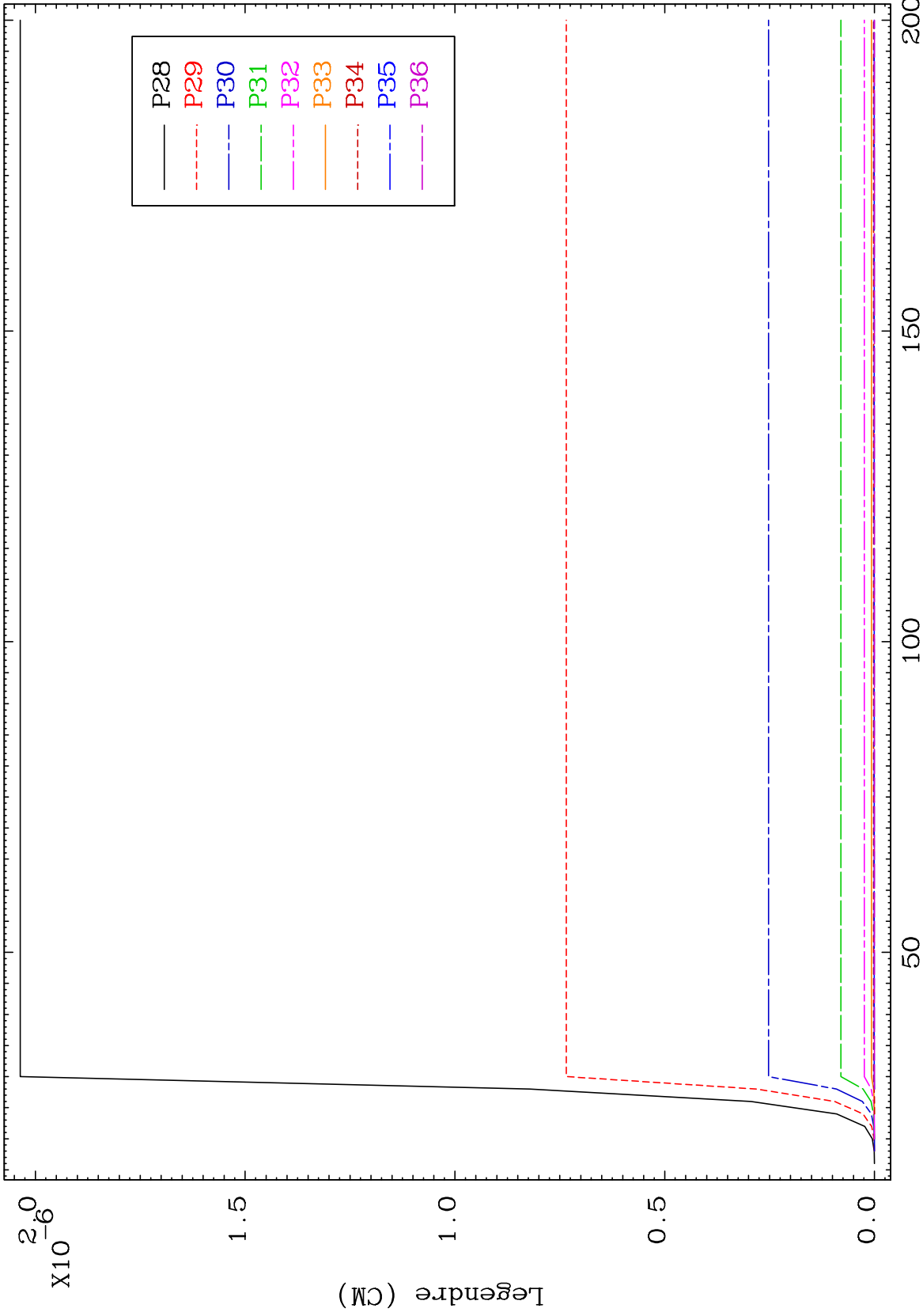
113

54-Xe-131

MAT 5446

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

54-Xe-131



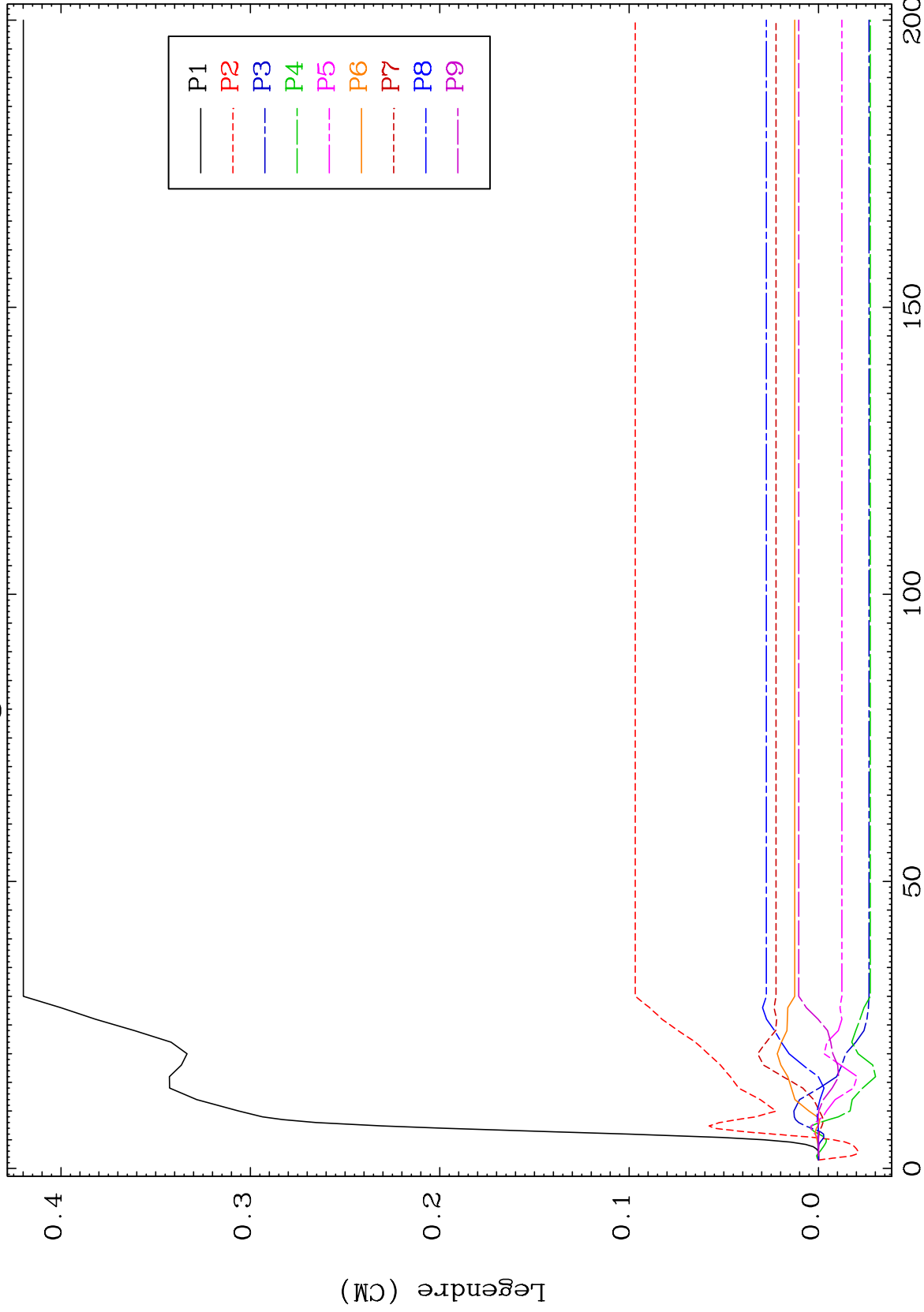
114

54-Xe-131

MAT 5446

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

54-Xe-131



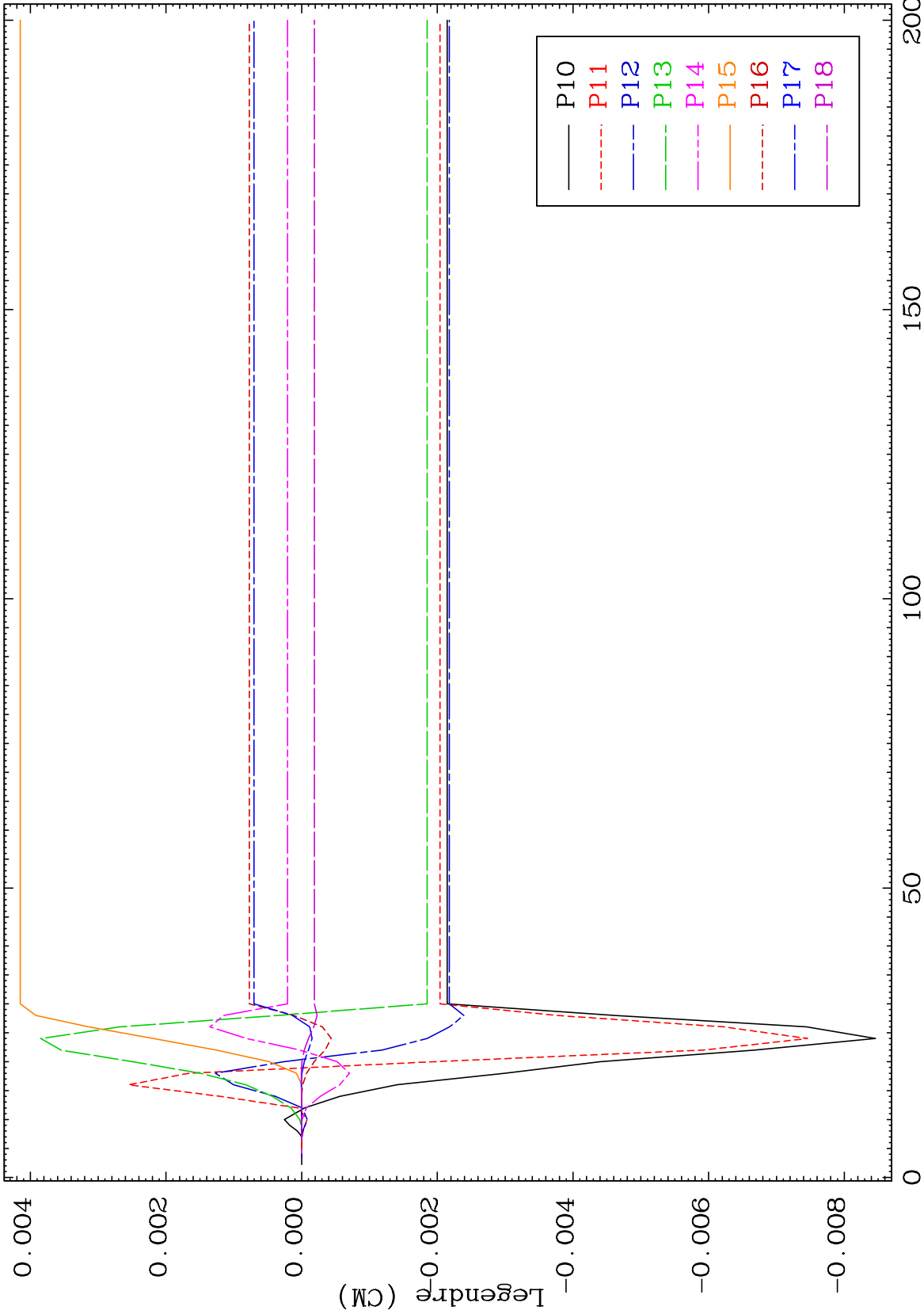
54-Xe-131

Incident Energy (MeV)

115

MAT 5446 MT= 75 (n,n') Level Legendre Coefficients

54-Xe-131

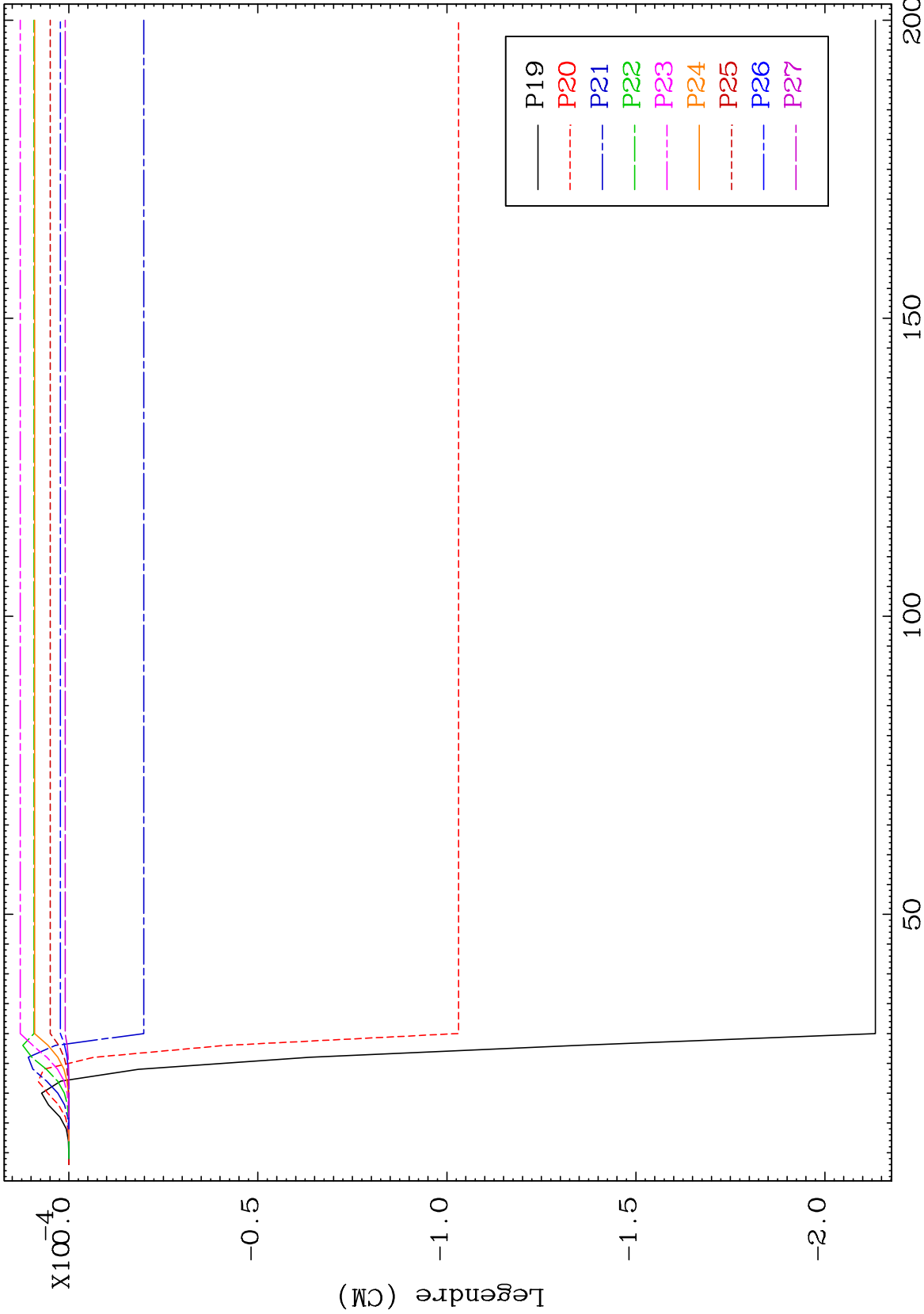


54-Xe-131

MAT 5446

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

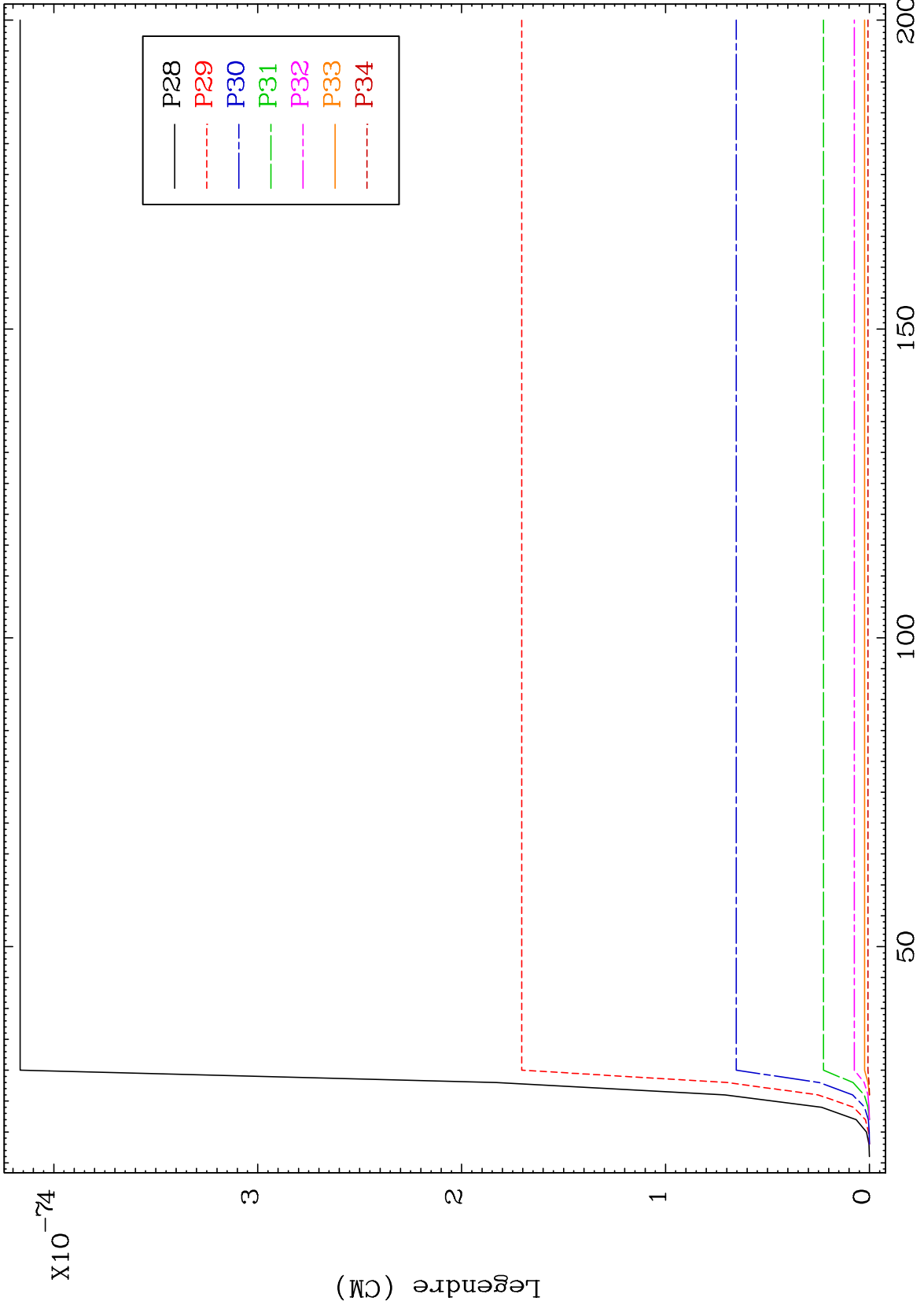
54-Xe-131



MAT 5446

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

54-Xe-131



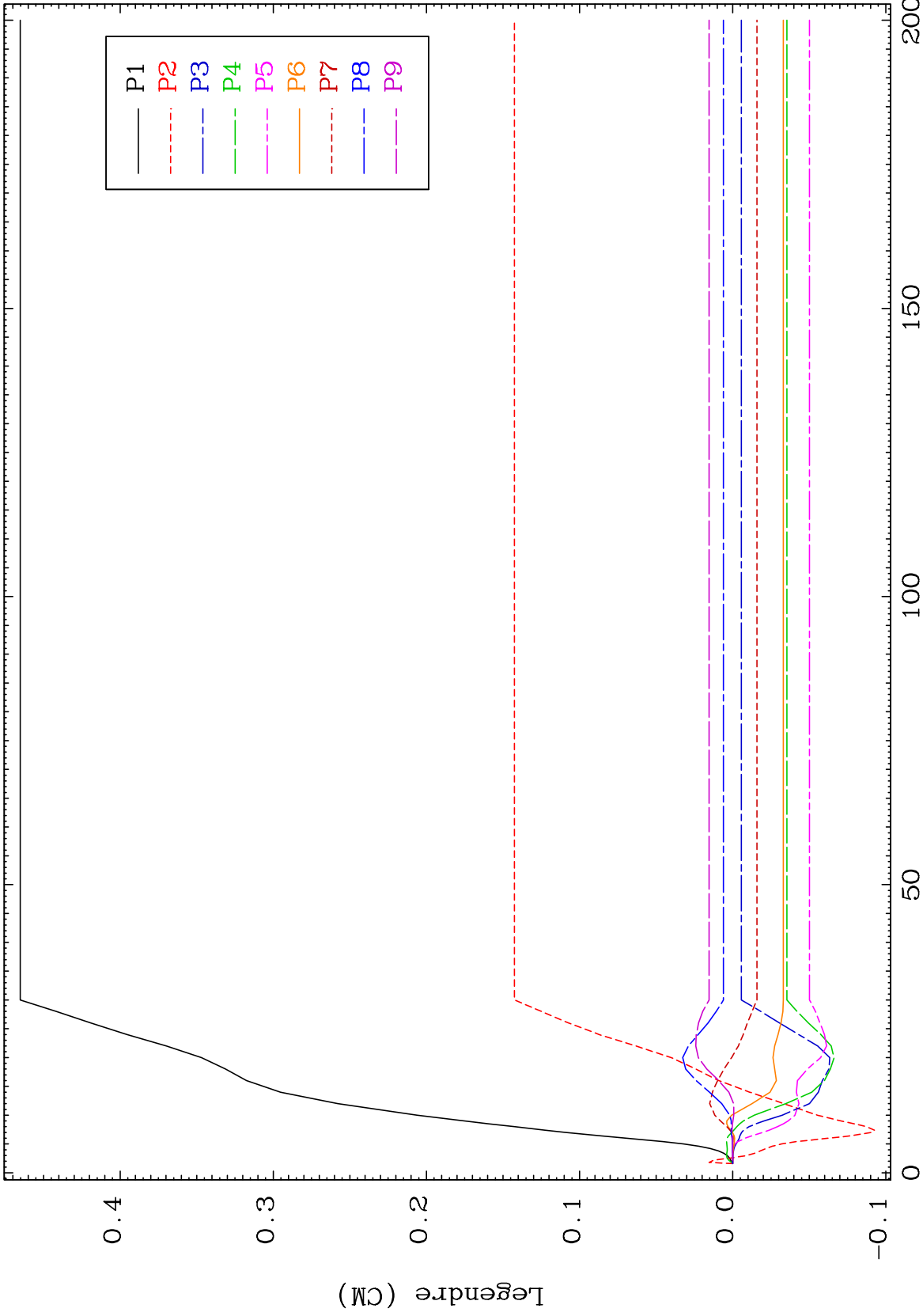
118

54-Xe-131

MAT 5446

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

54-Xe-131



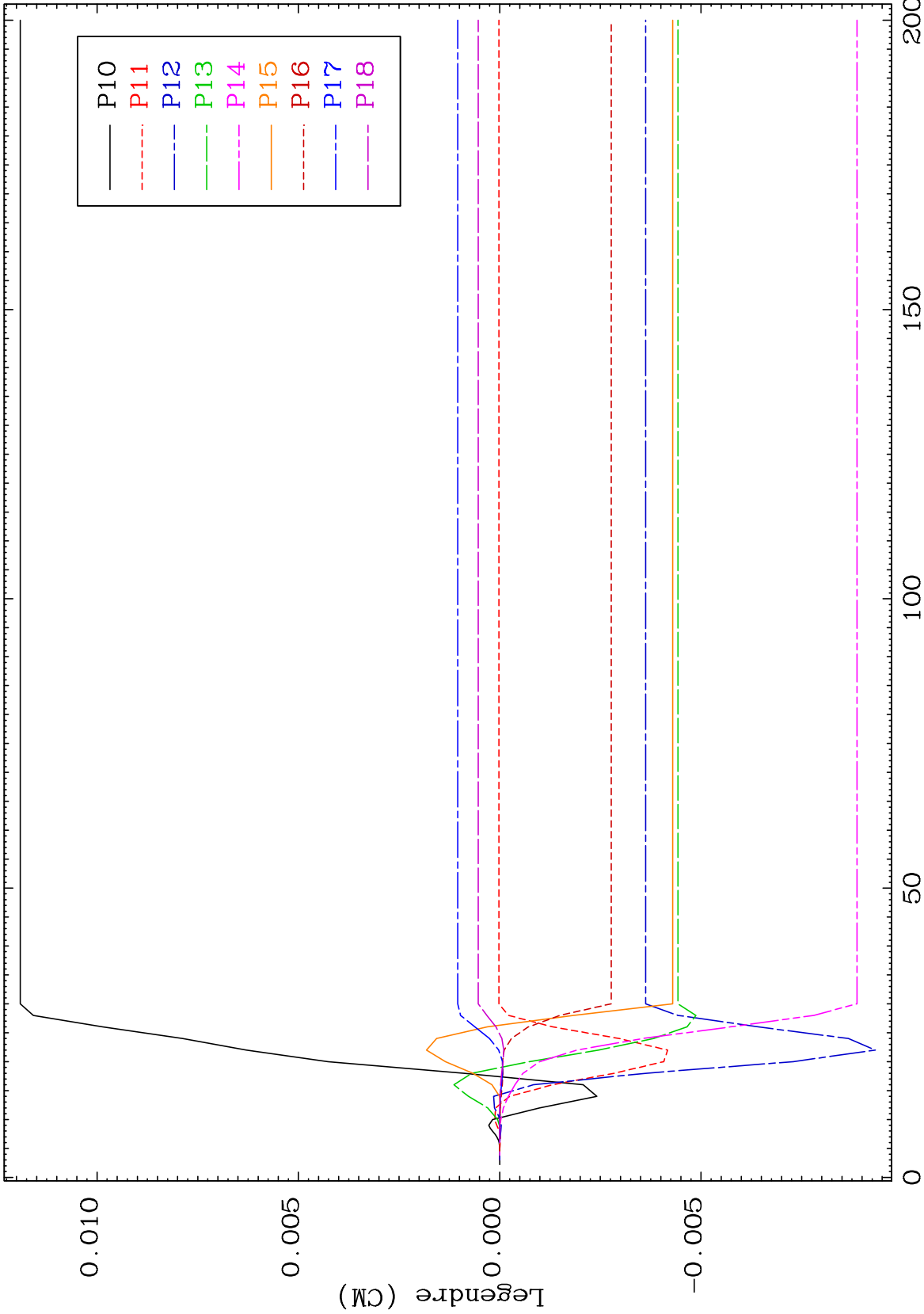
119

54-Xe-131

MAT 5446

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

54-Xe-131



54-Xe-131

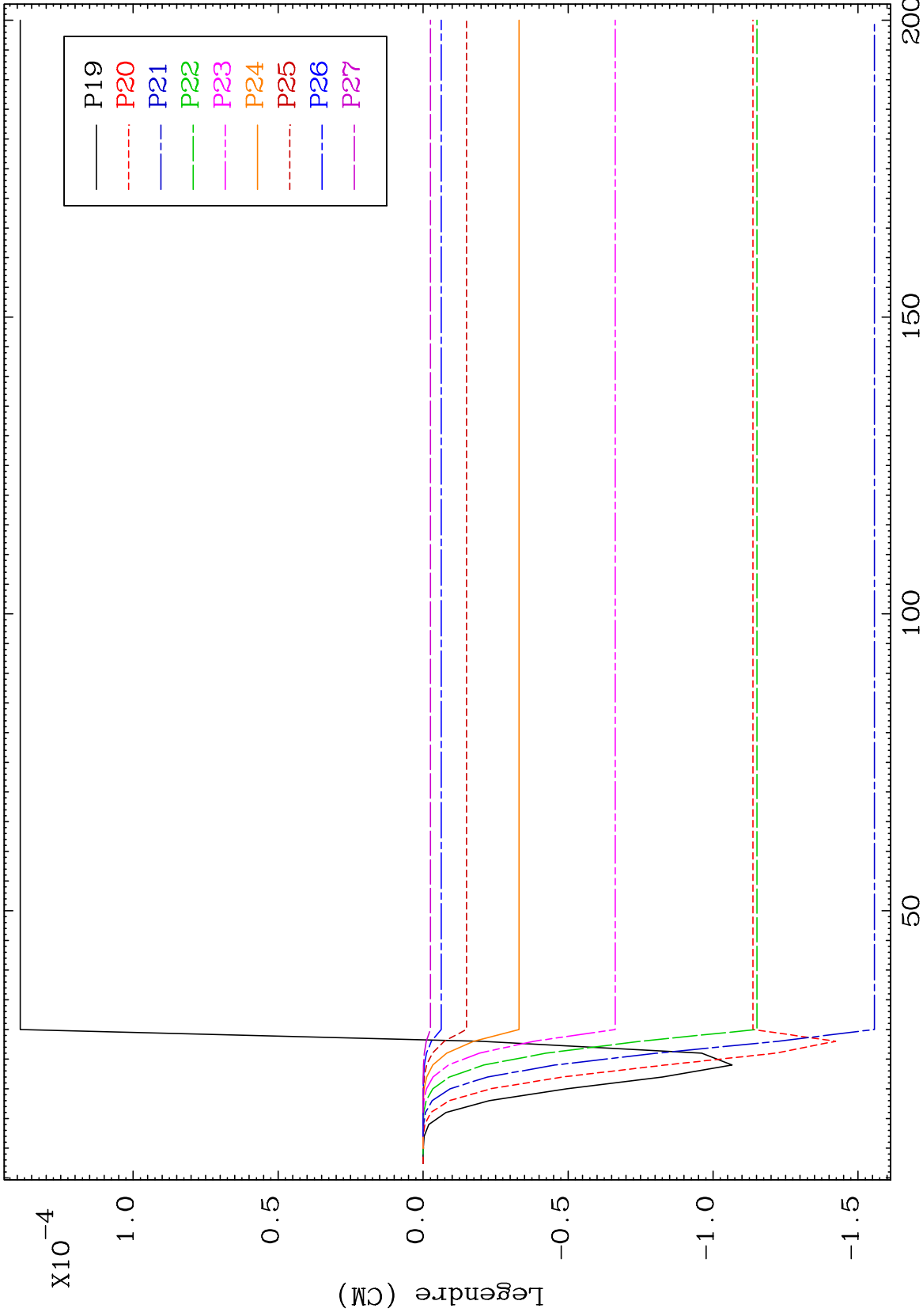
Incident Energy (MeV)

Legendre (cm)

MAT 5446

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

54-Xe-131



121

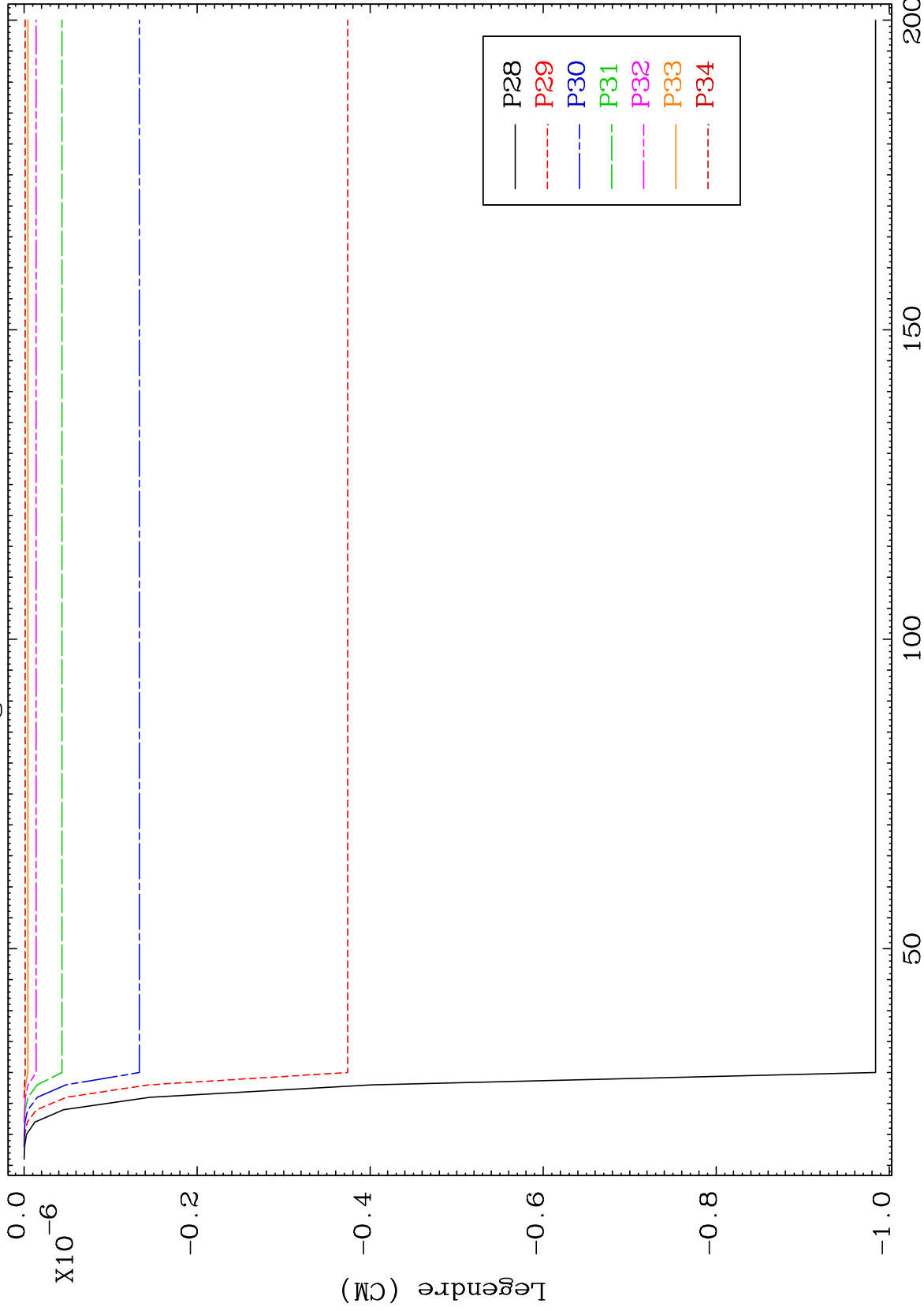
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



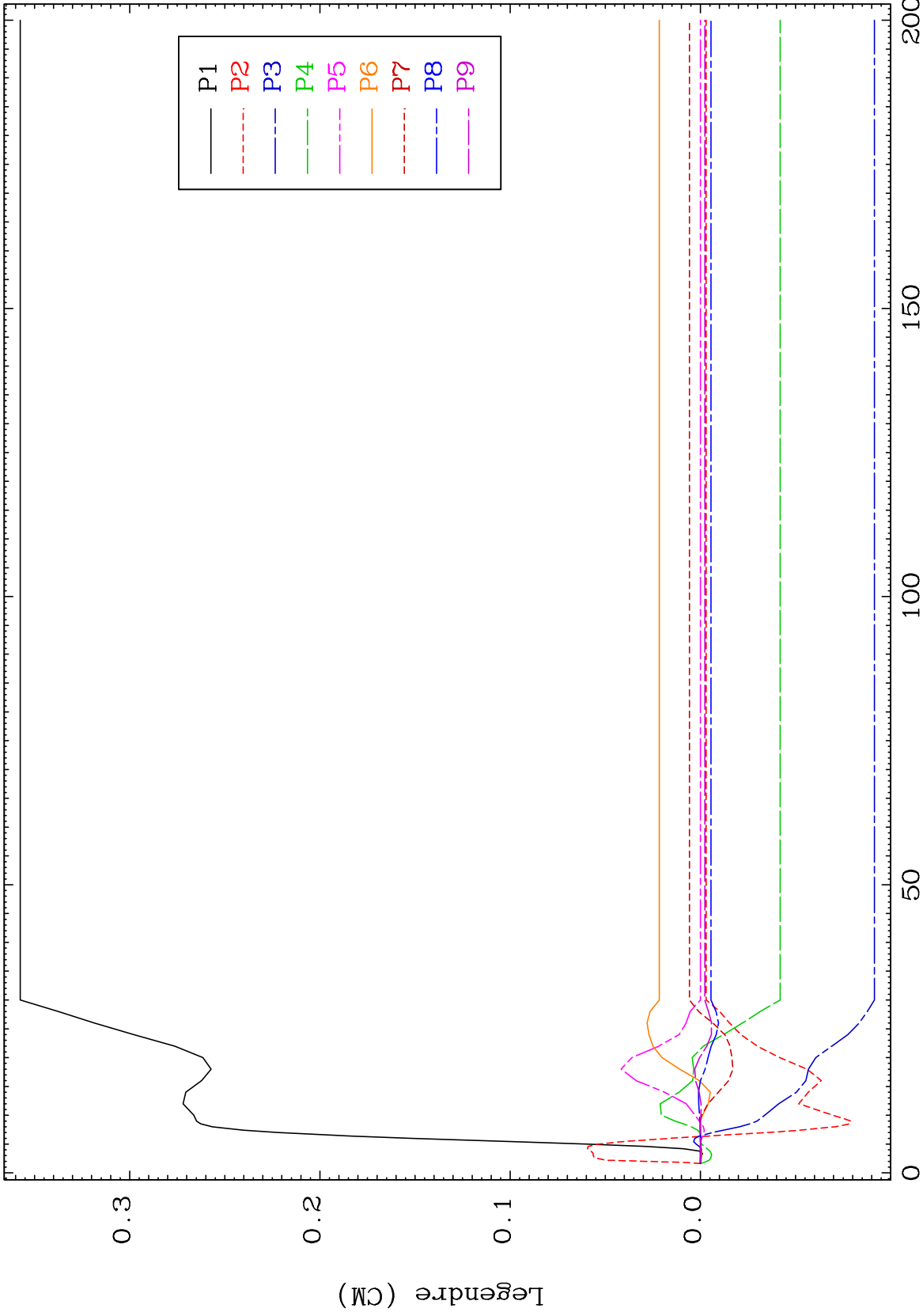
122

54-Xe-131

MAT 5446

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

54-Xe-131



123

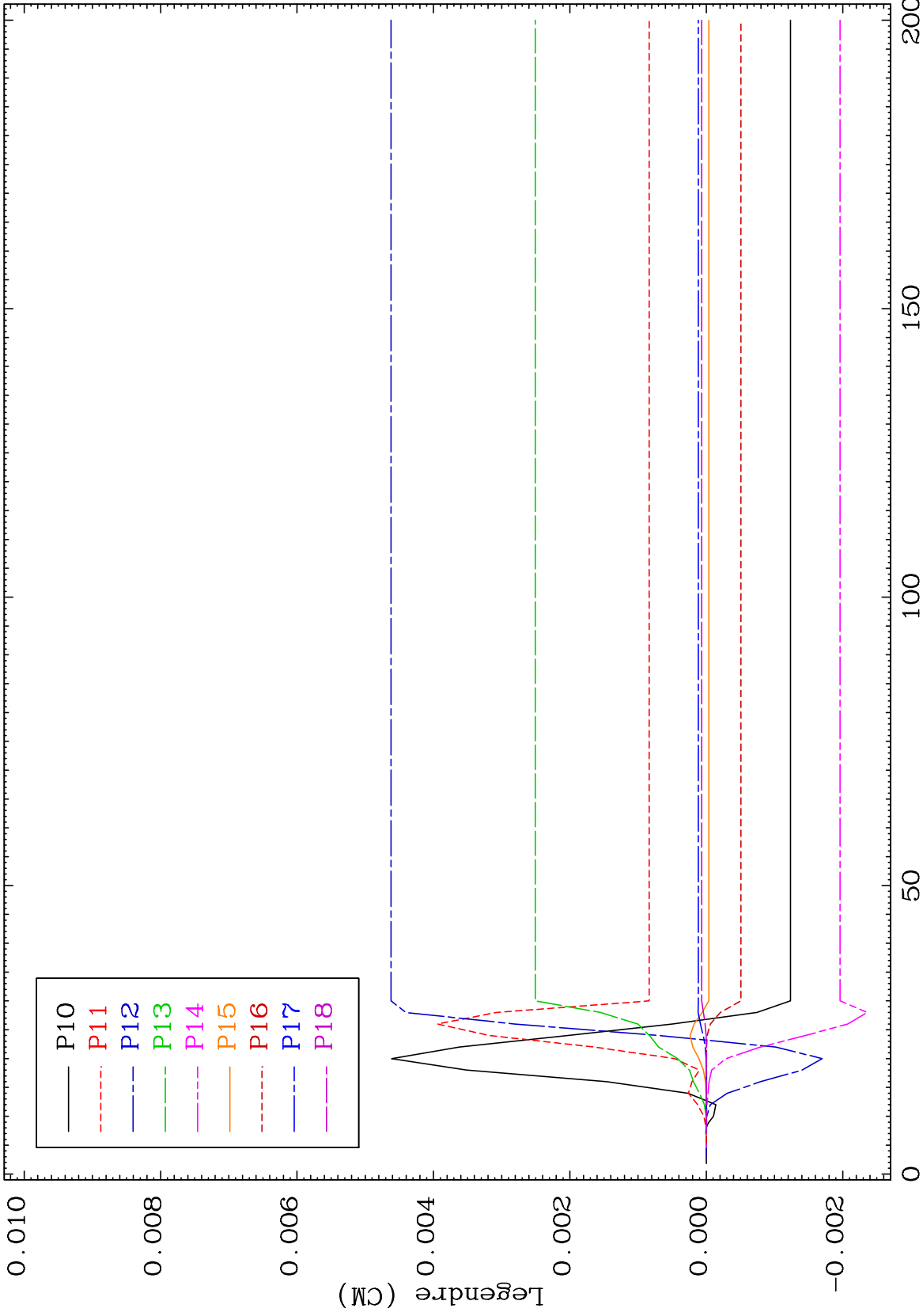
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



124

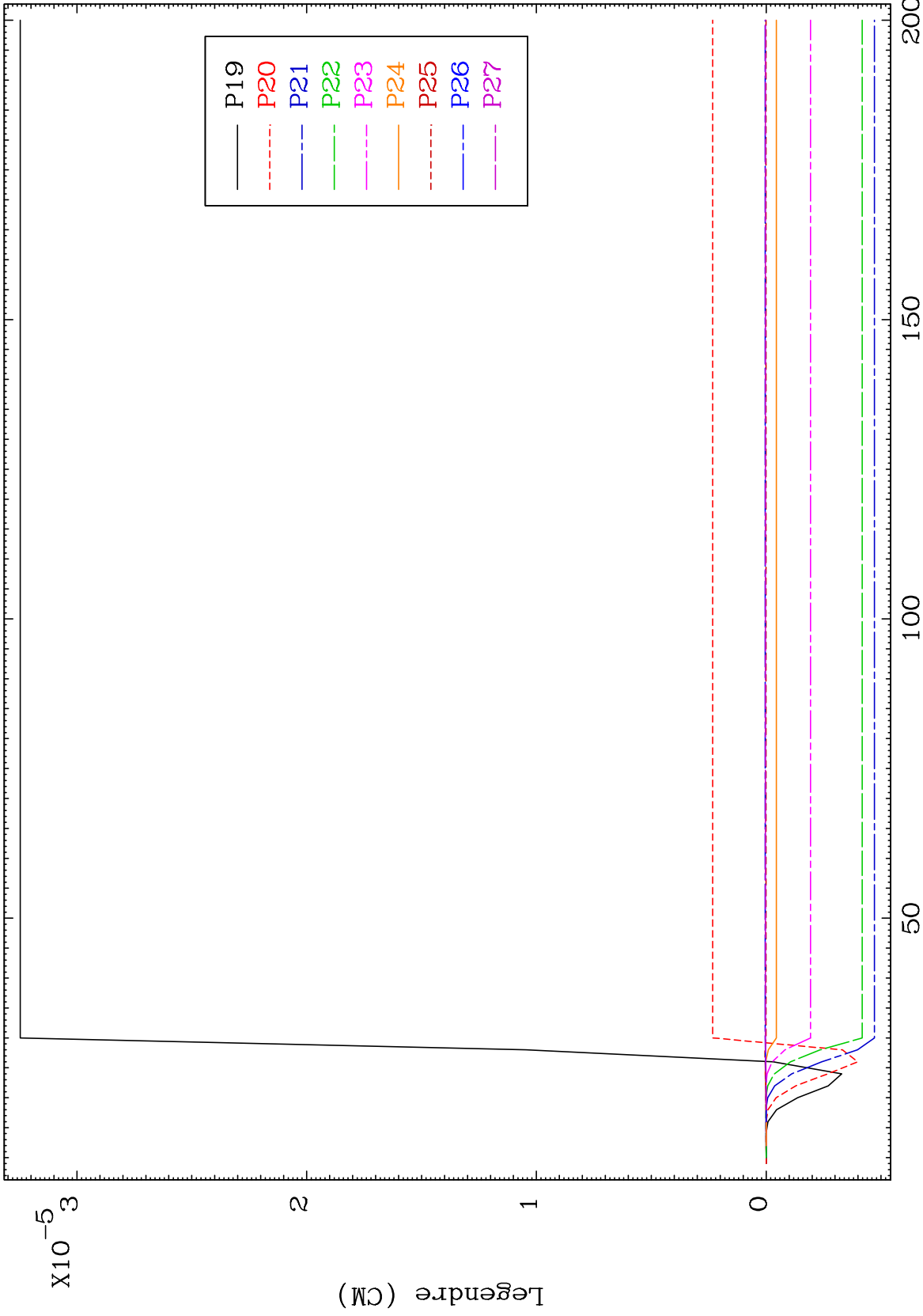
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



125

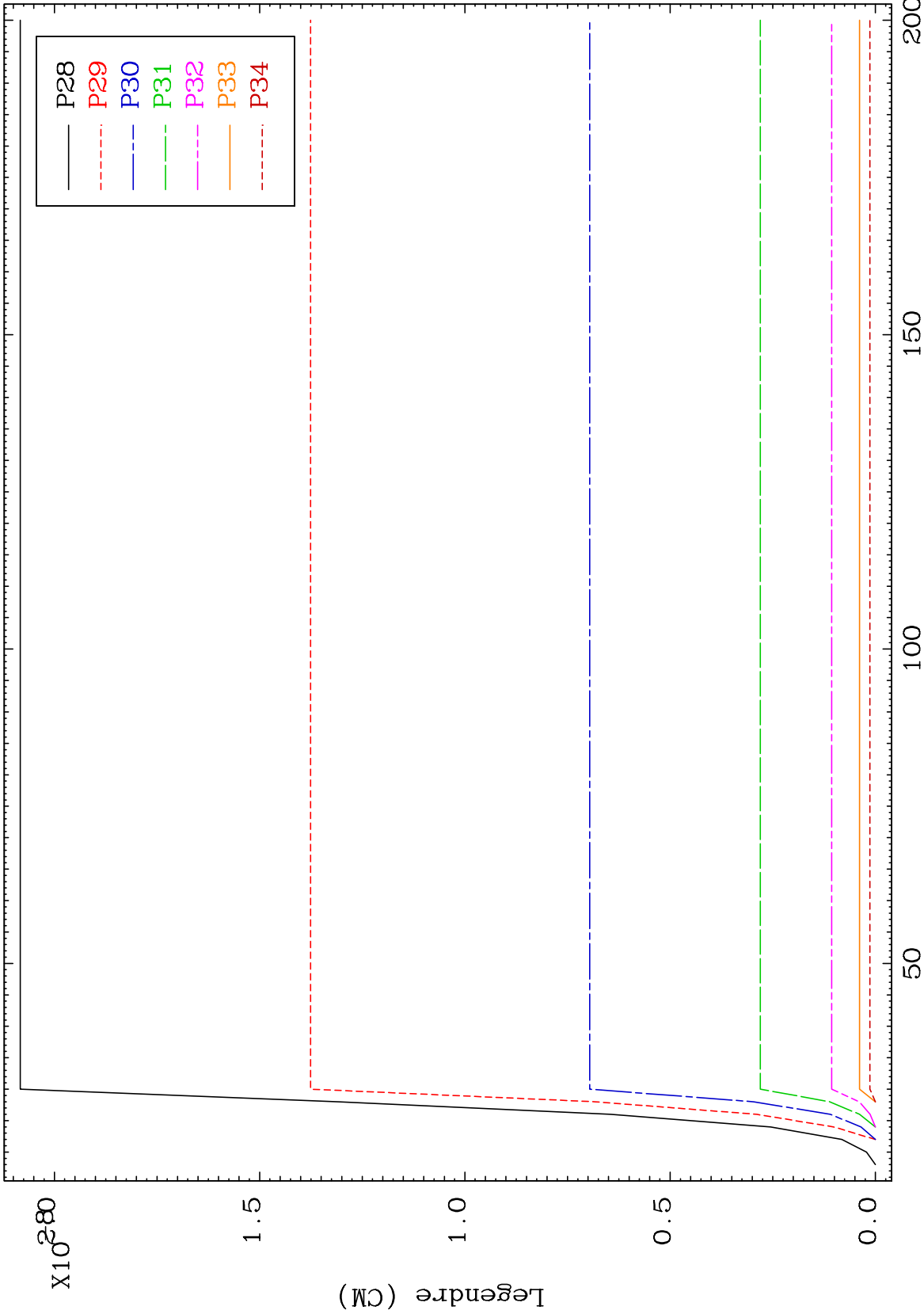
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



126

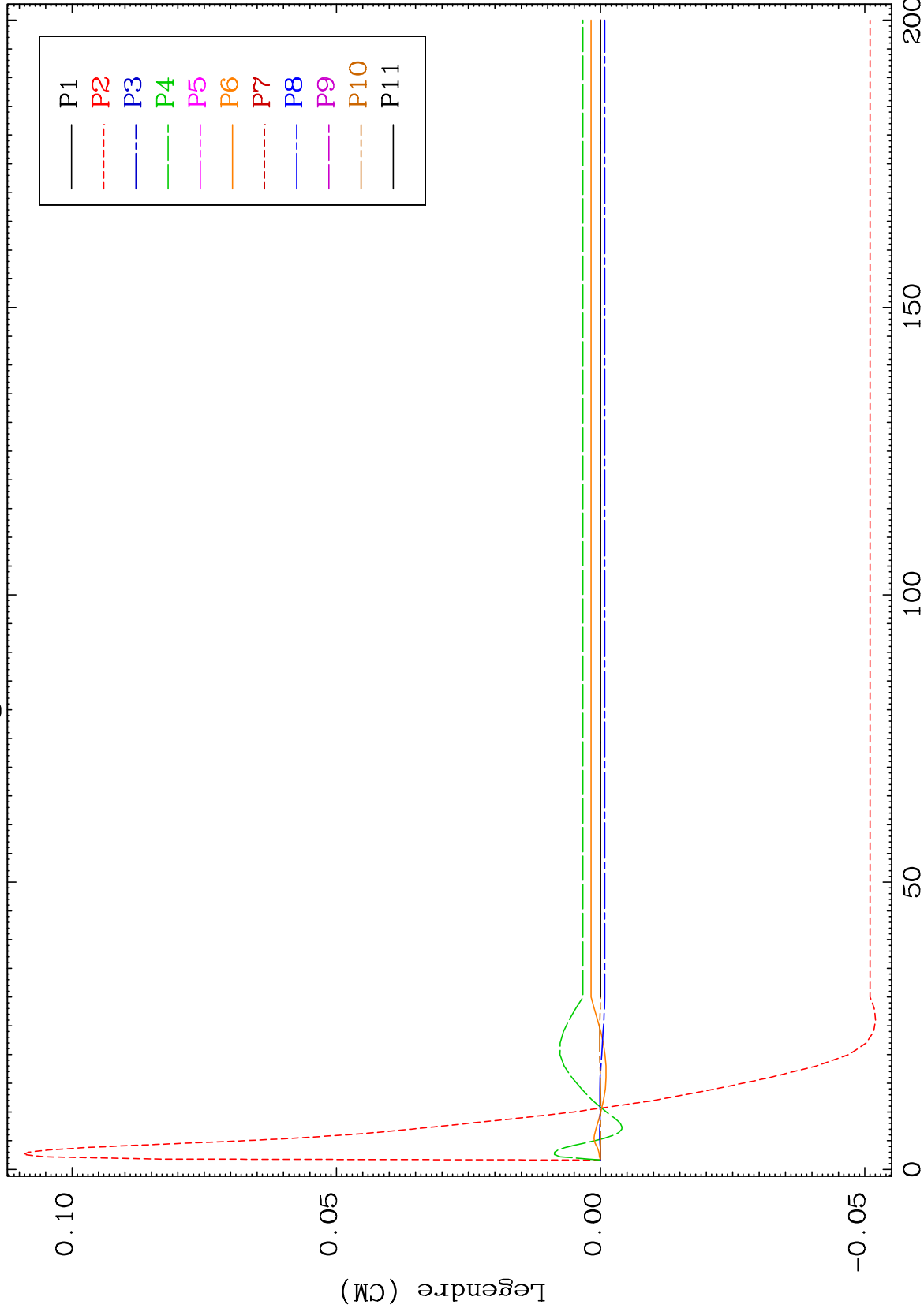
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



127

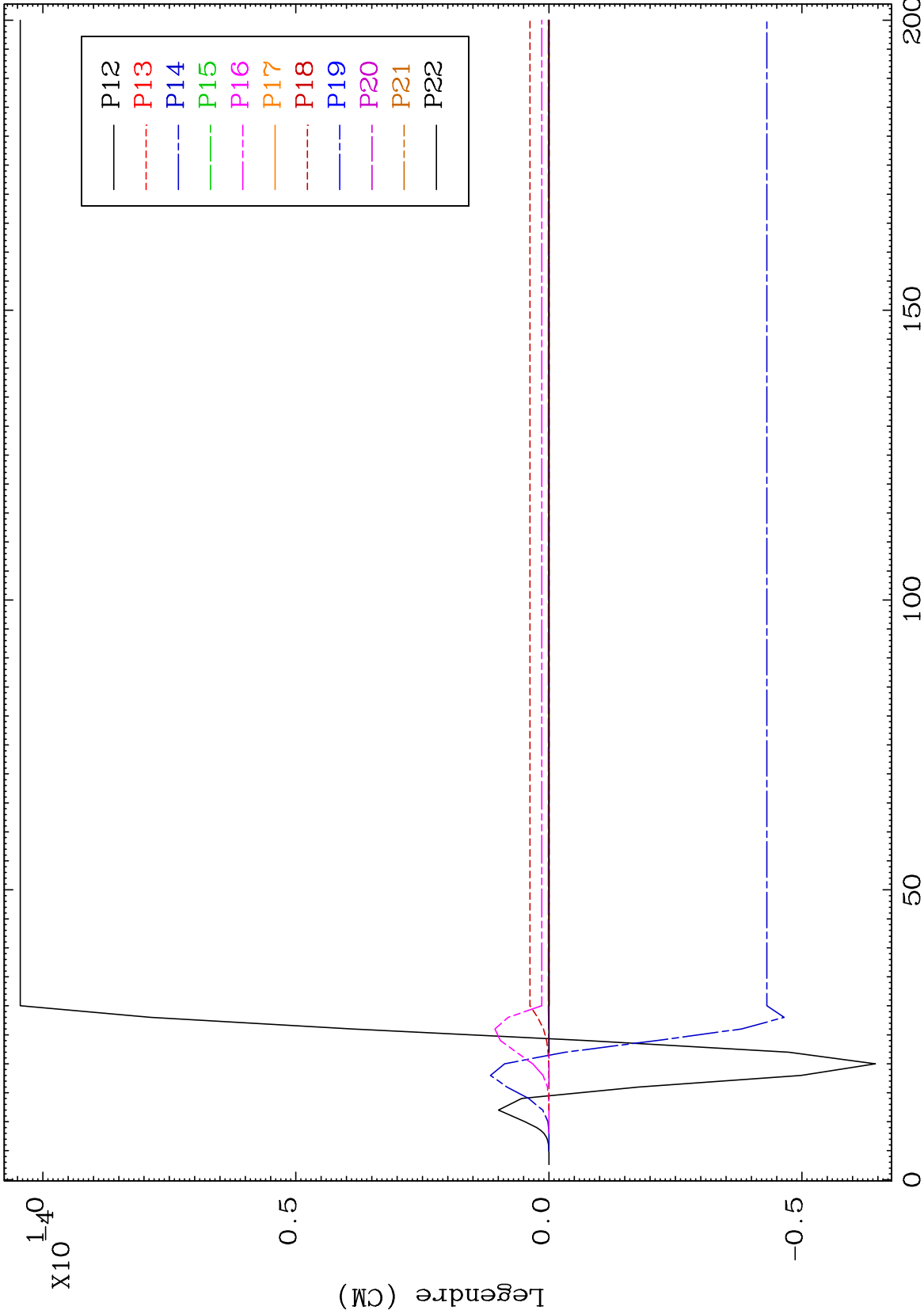
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



128

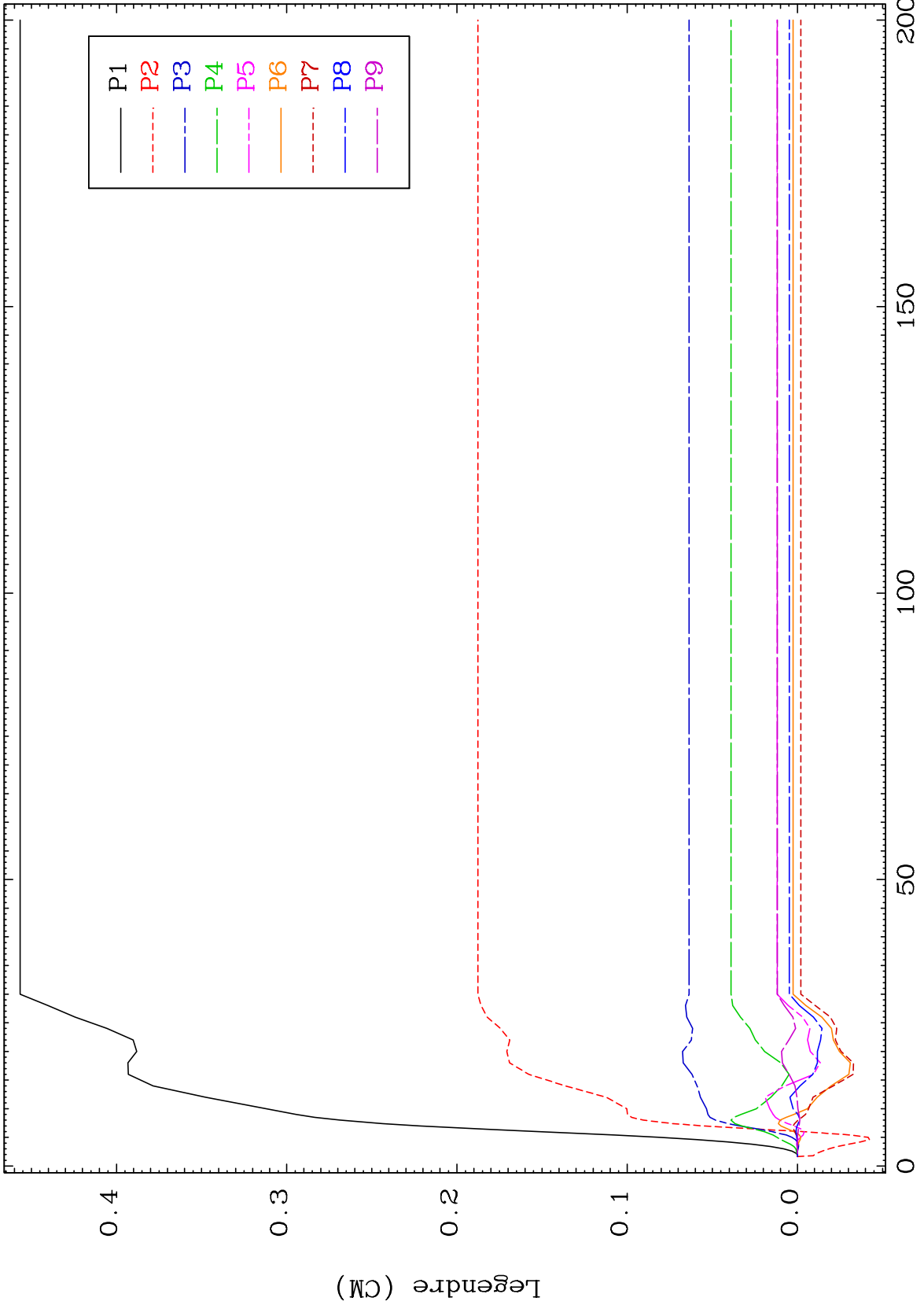
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



129

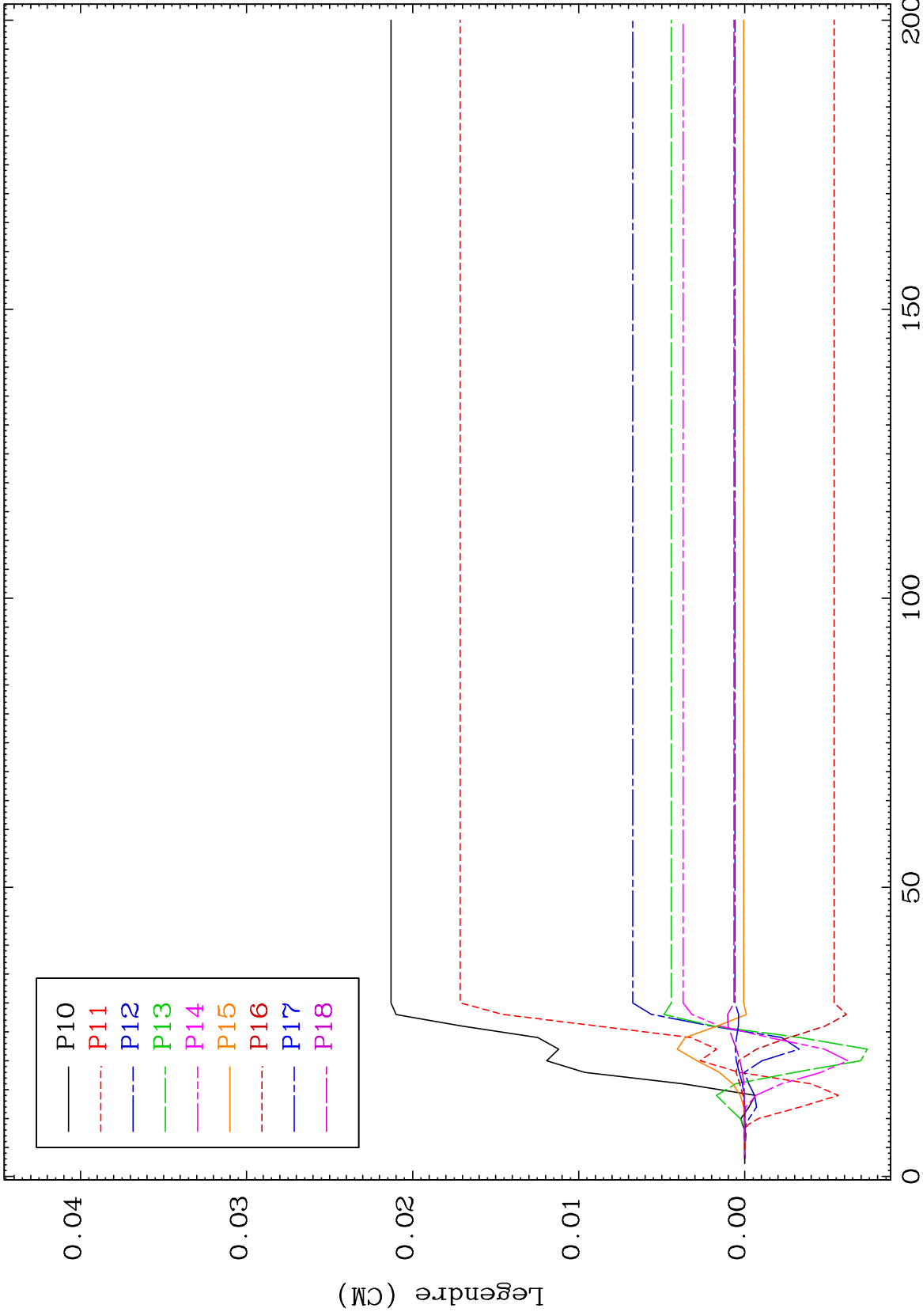
Incident Energy (MeV)

54-Xe-131

MAT 5446

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

54-Xe-131



54-Xe-131

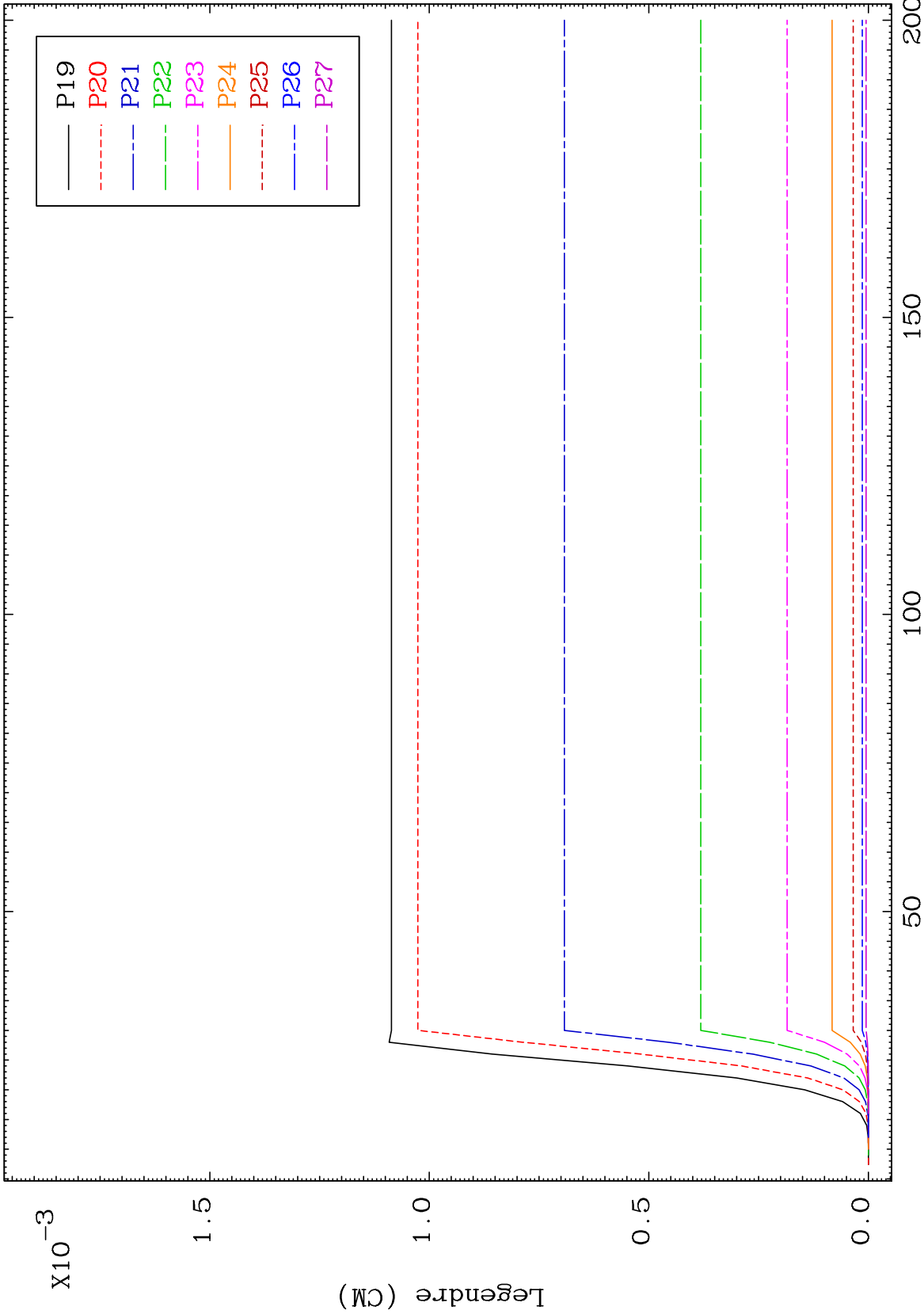
Incident Energy (MeV)

130

MAT 5446

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

54-Xe-131



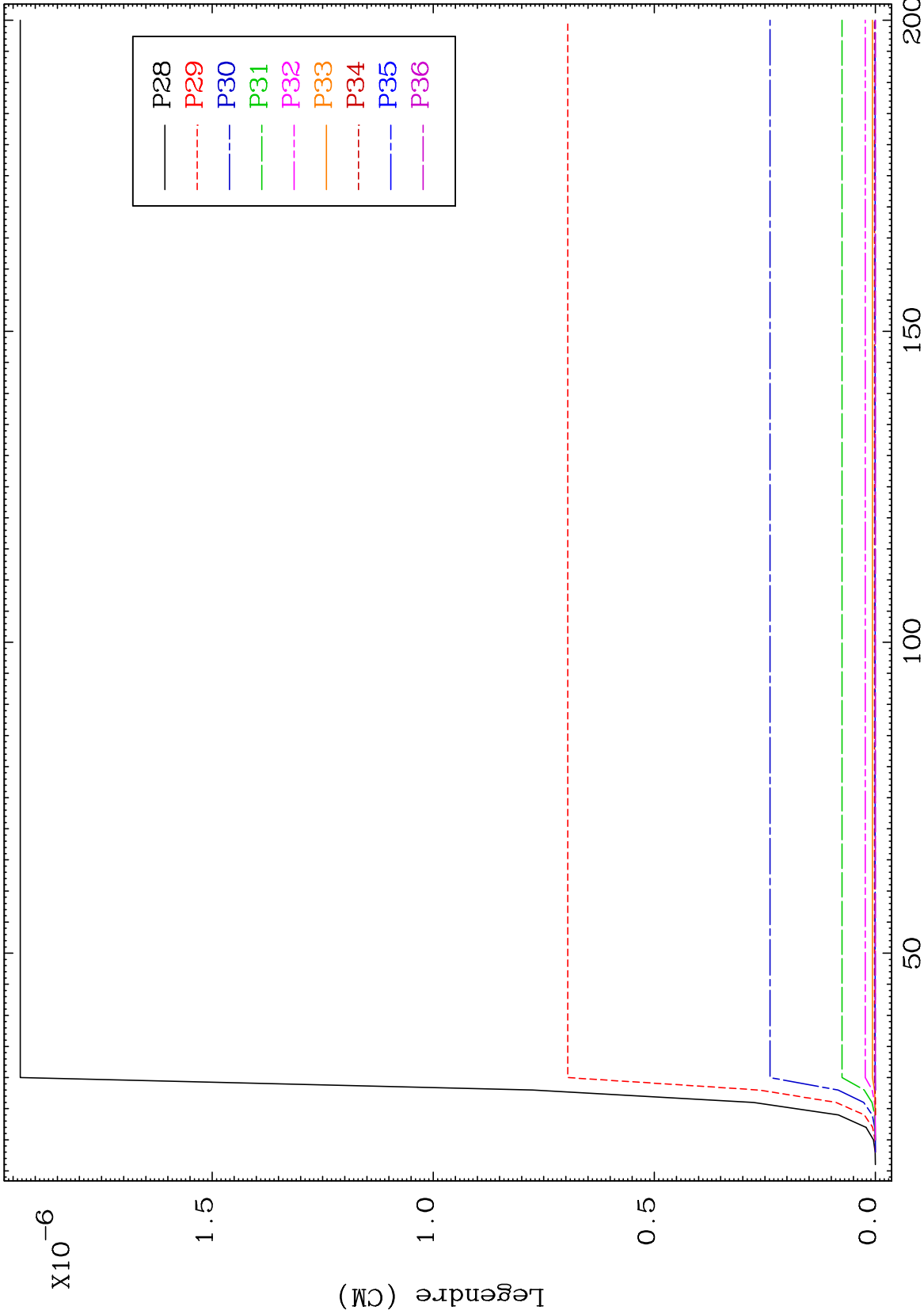
131

54-Xe-131

MAT 5446

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

54-Xe-131



132

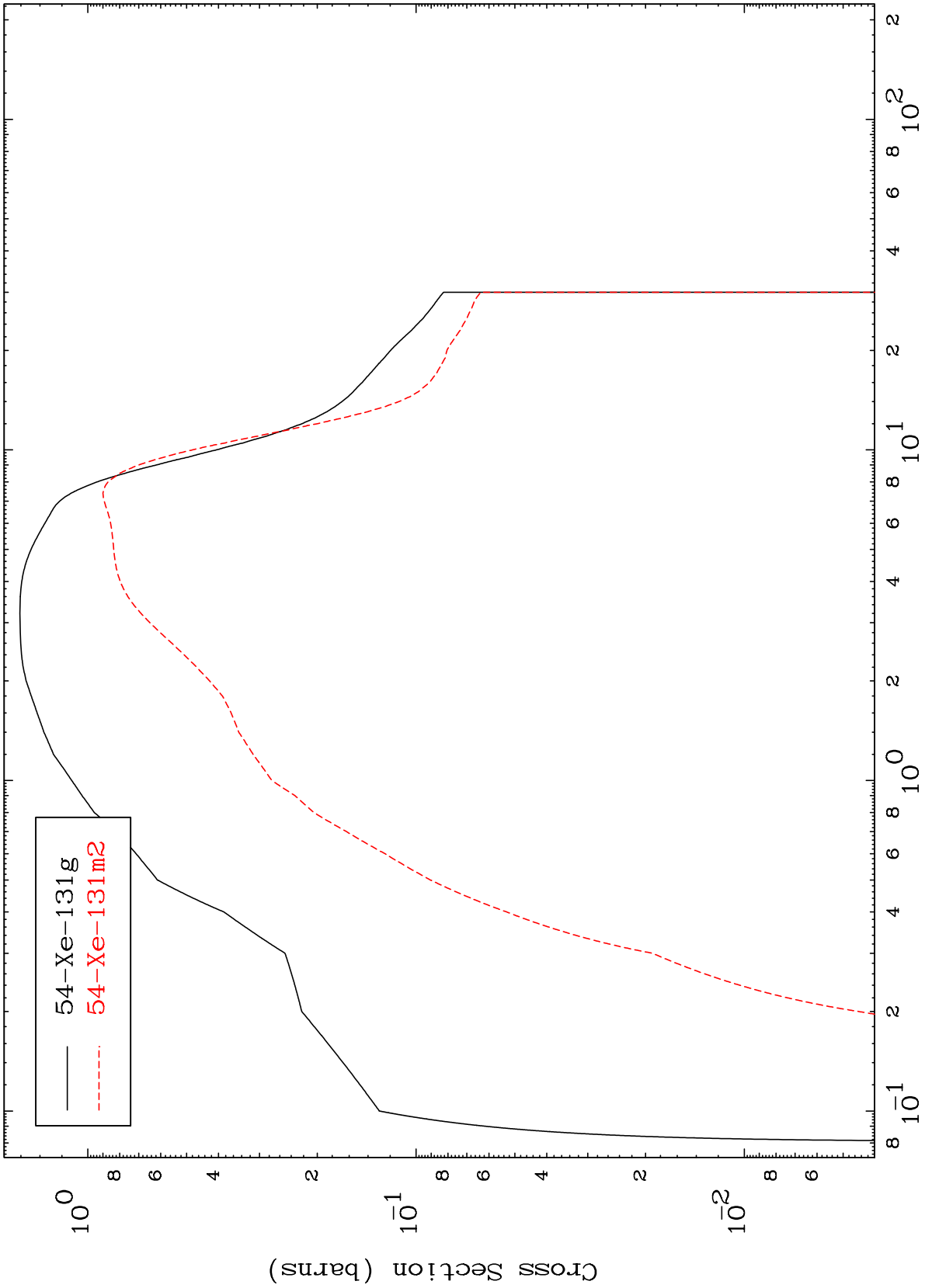
Incident Energy (MeV)

54-Xe-131

MAT 5446

54-Xe-131

Inelastic Radionuclide Production Cross Section



— 54-Xe-131g
- - - 54-Xe-131m2

54-Xe-131

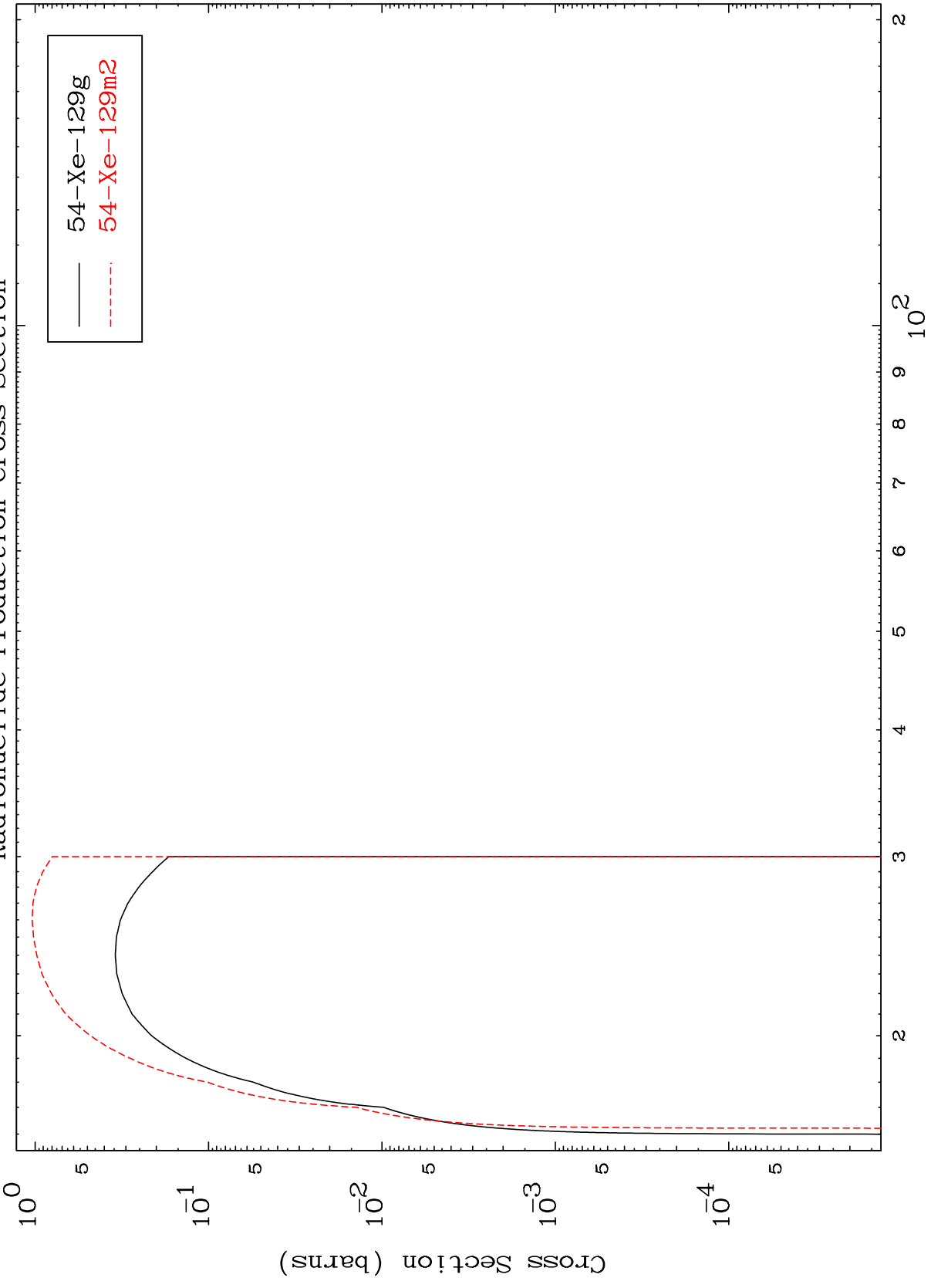
Incident Energy (MeV)

133

MAT 5446

54-Xe-131

(n,3n)
Radionuclide Production Cross Section



134

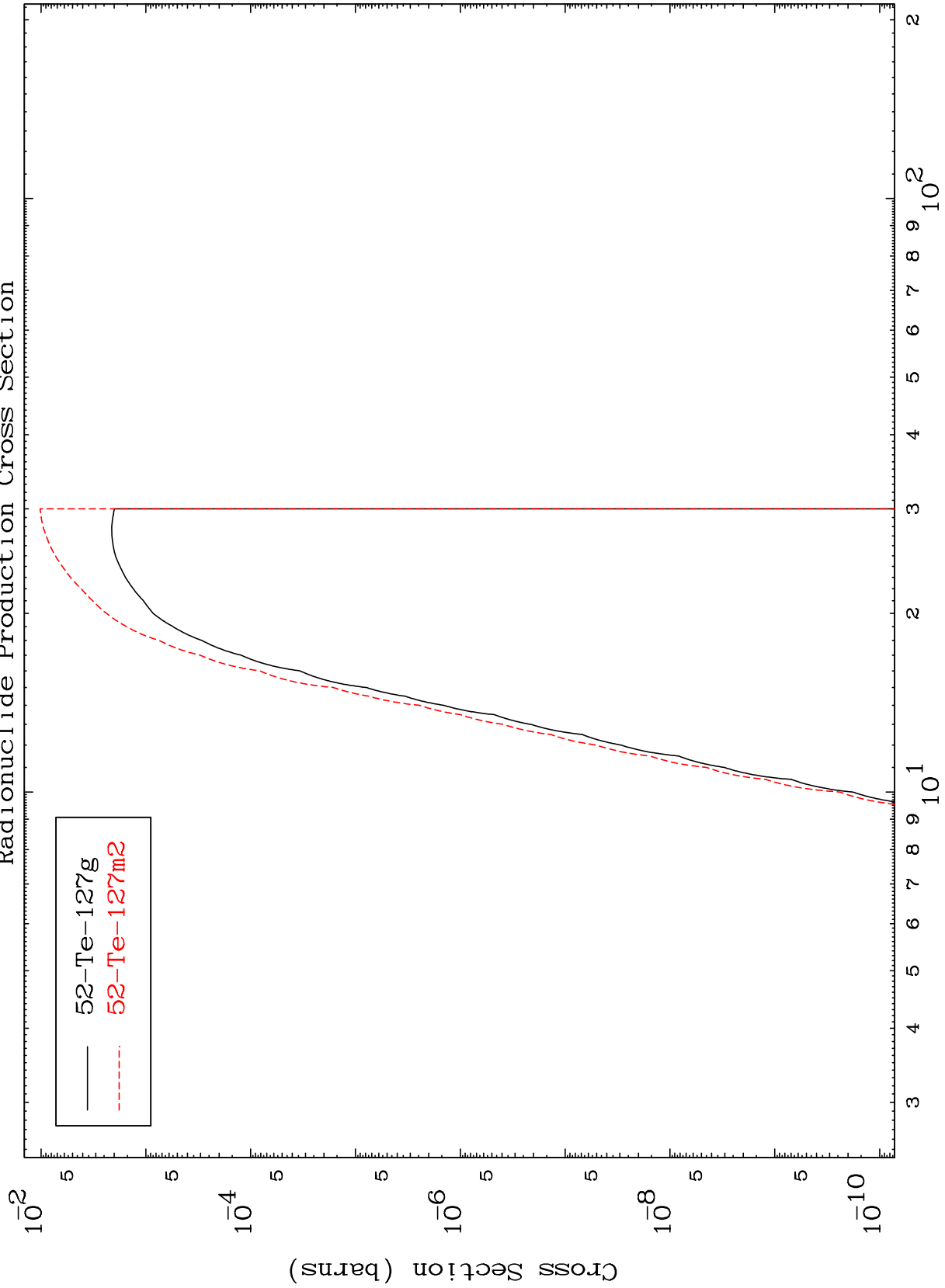
54-Xe-131

MAT 5446

54-Xe-131

(n,n') α

Radionuclide Production Cross Section



135

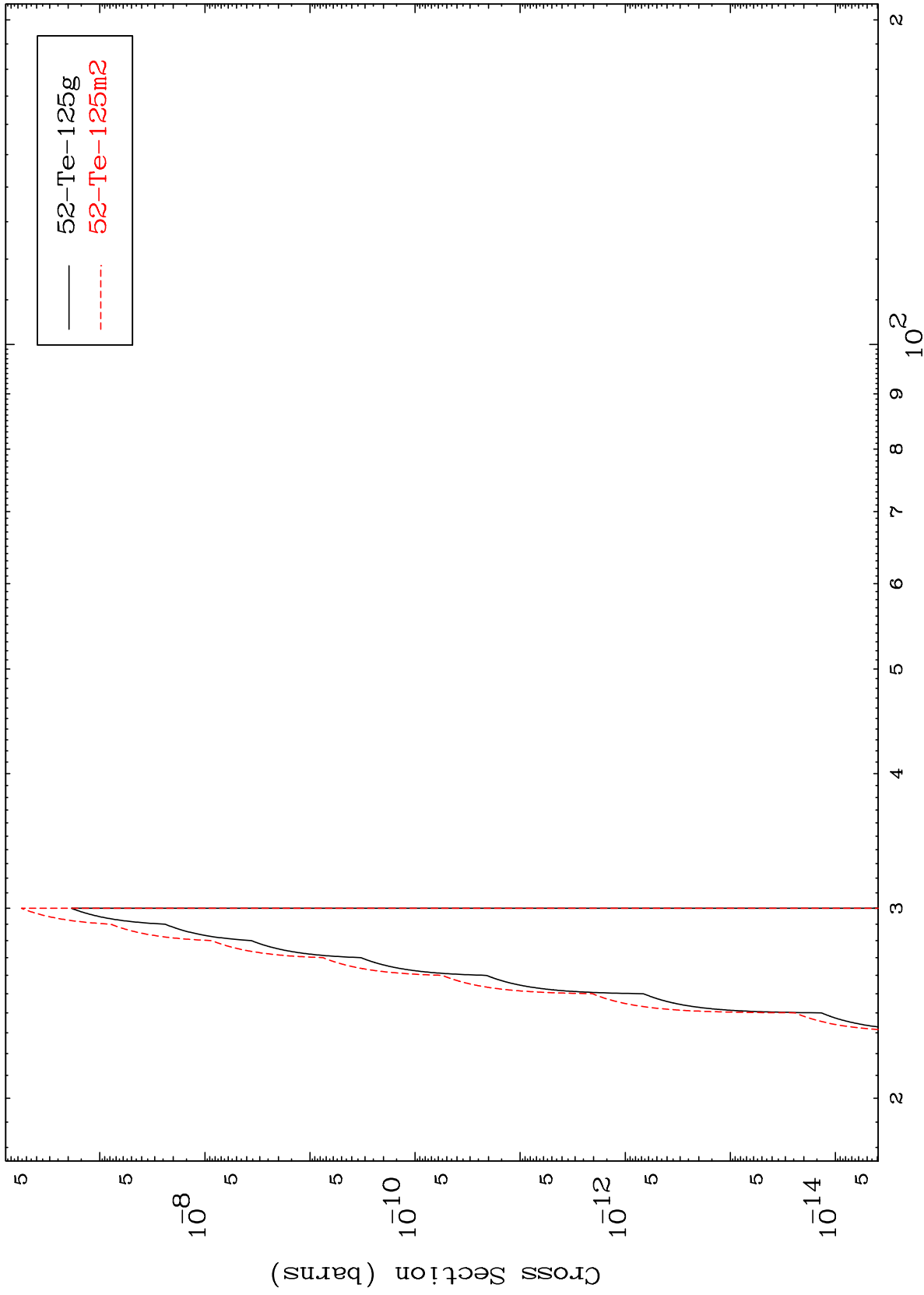
54-Xe-131

MAT 5446

(n,3n) α

54-Xe-131

Radionuclide Production Cross Section



136

Incident Energy (MeV)

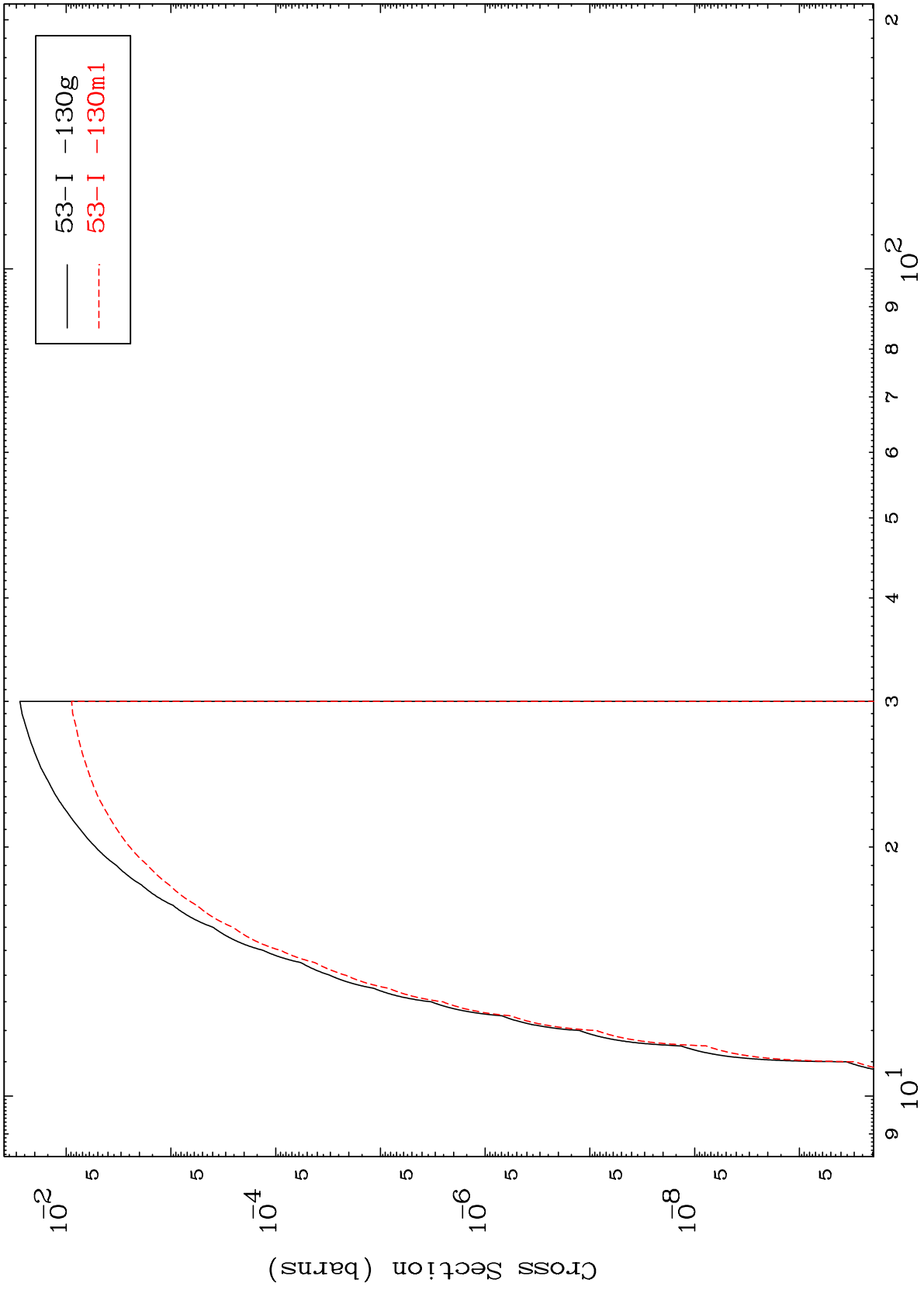
54-Xe-131

MAT 5446

(n,n') p

54-Xe-131

Radionuclide Production Cross Section



137

Incident Energy (MeV)

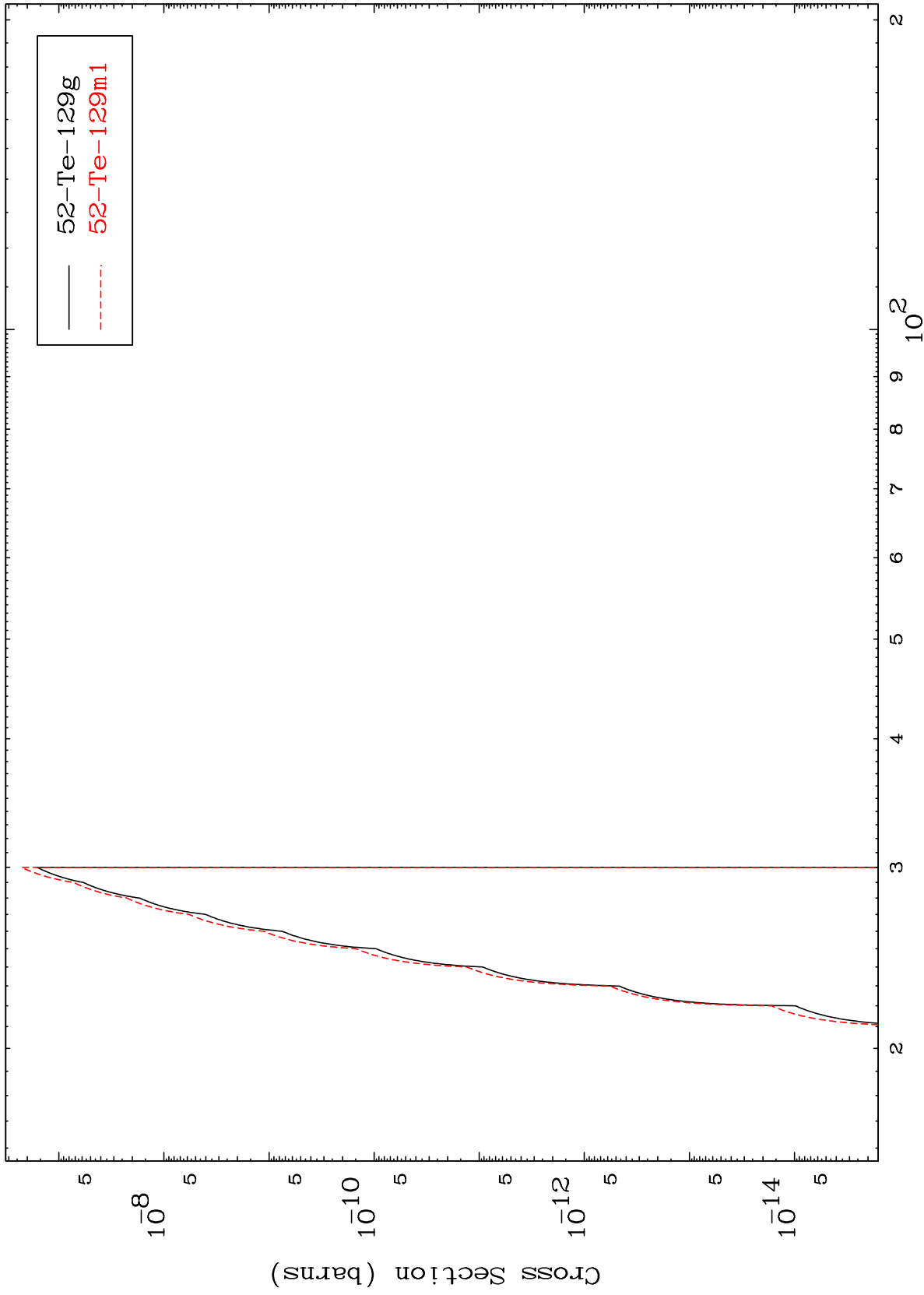
54-Xe-131

MAT 5446

(n,2n) p

54-Xe-131

Radionuclide Production Cross Section



138

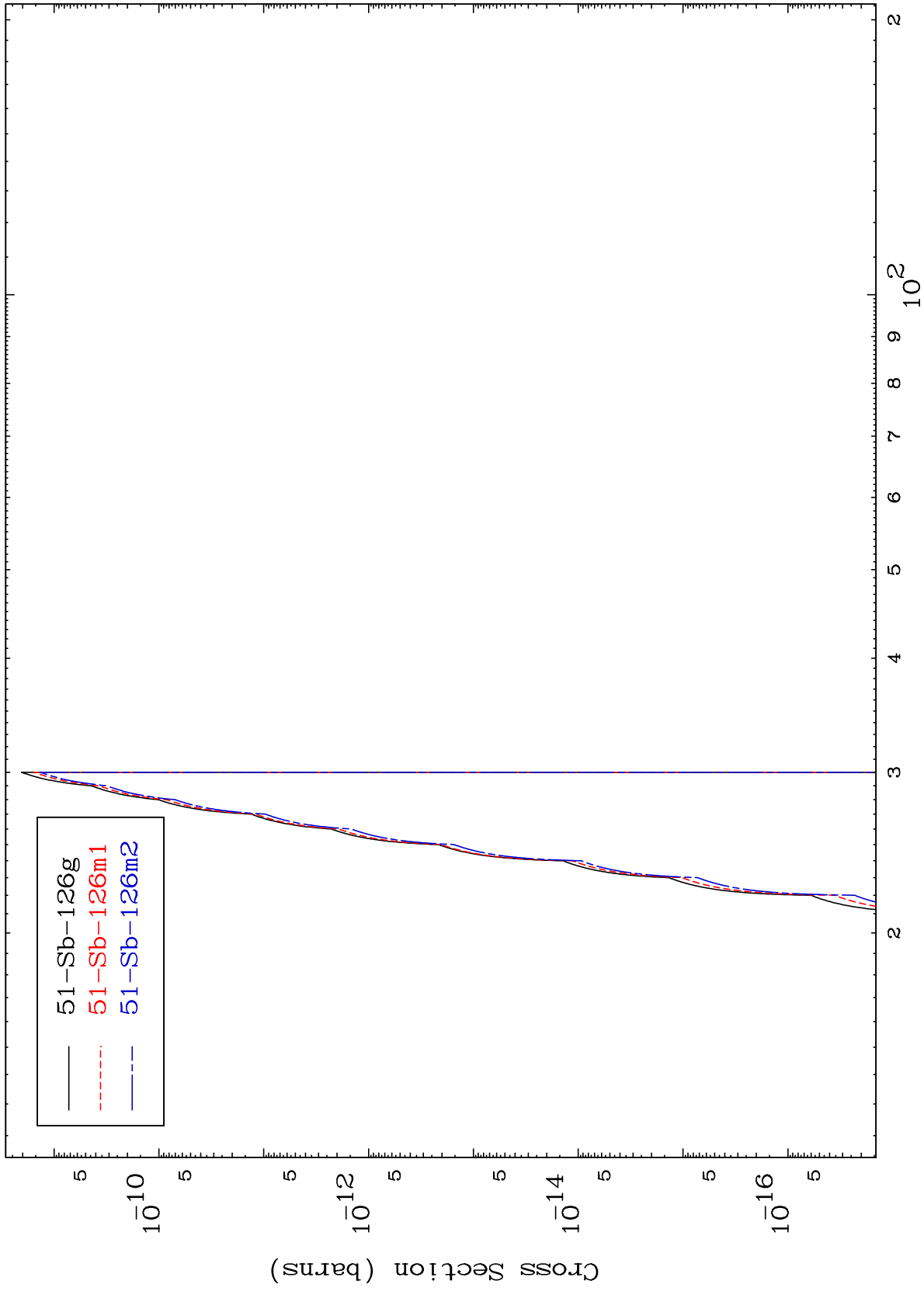
Incident Energy (MeV)

54-Xe-131

MAT 5446

54-Xe-131

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



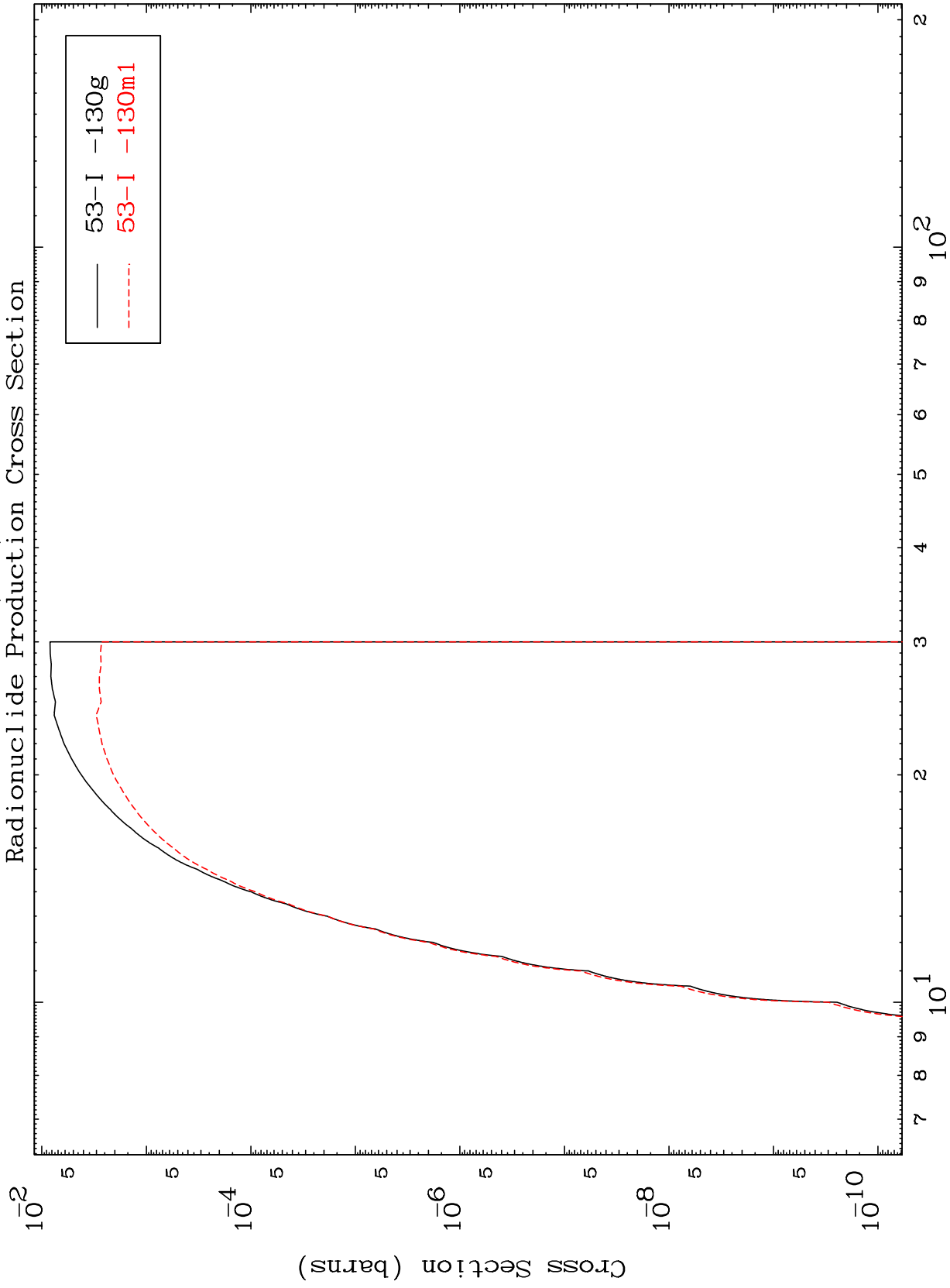
139

54-Xe-131

MAT 5446

(n,d)

54-Xe-131



140

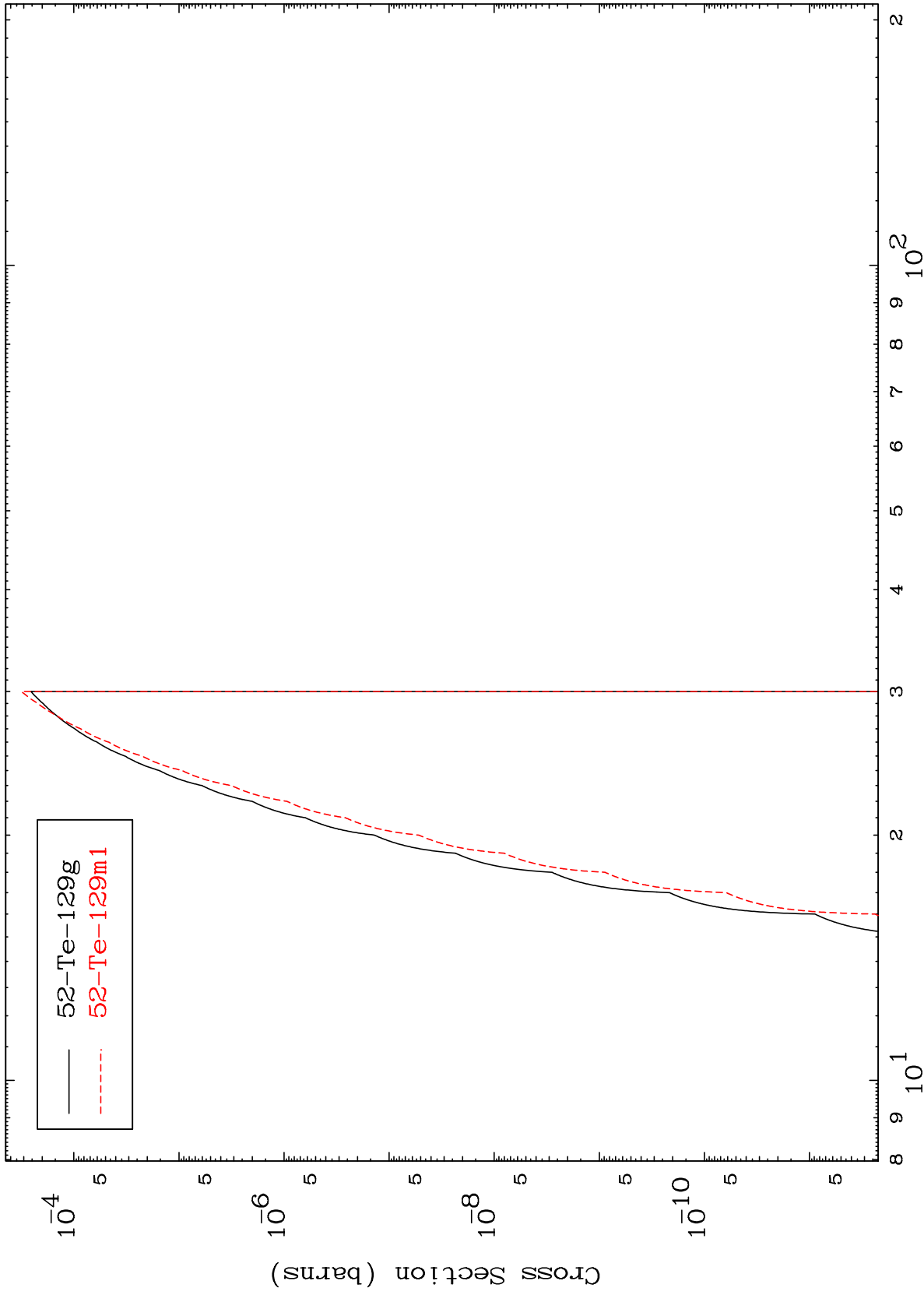
54-Xe-131

MAT 5446

(n, He-3)

54-Xe-131

Radionuclide Production Cross Section



141

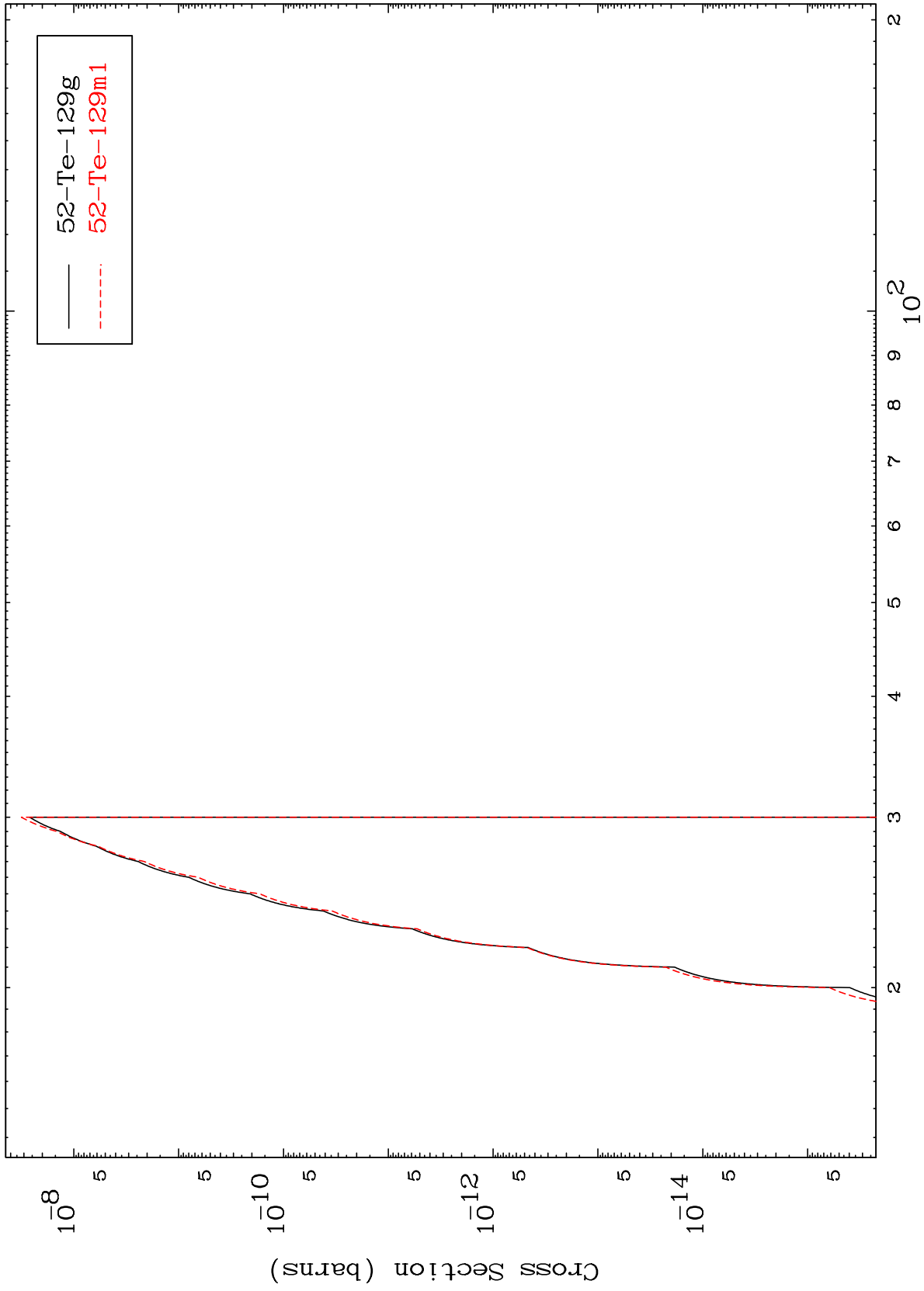
54-Xe-131

MAT 5446

(n,p) d

54-Xe-131

Radionuclide Production Cross Section



142

Incident Energy (MeV)

54-Xe-131