

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

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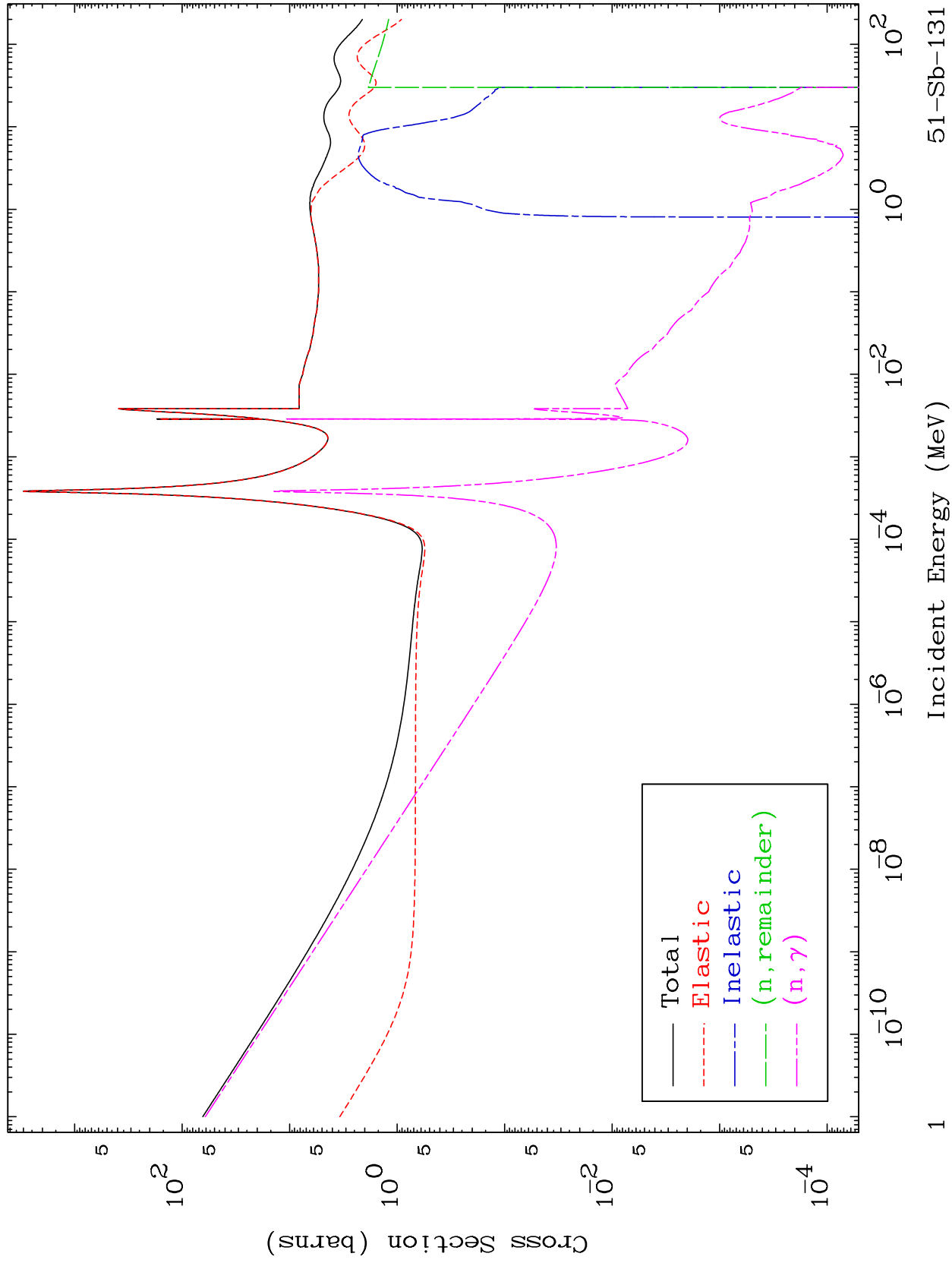
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5155

Major
293 Kelvin Cross Sections

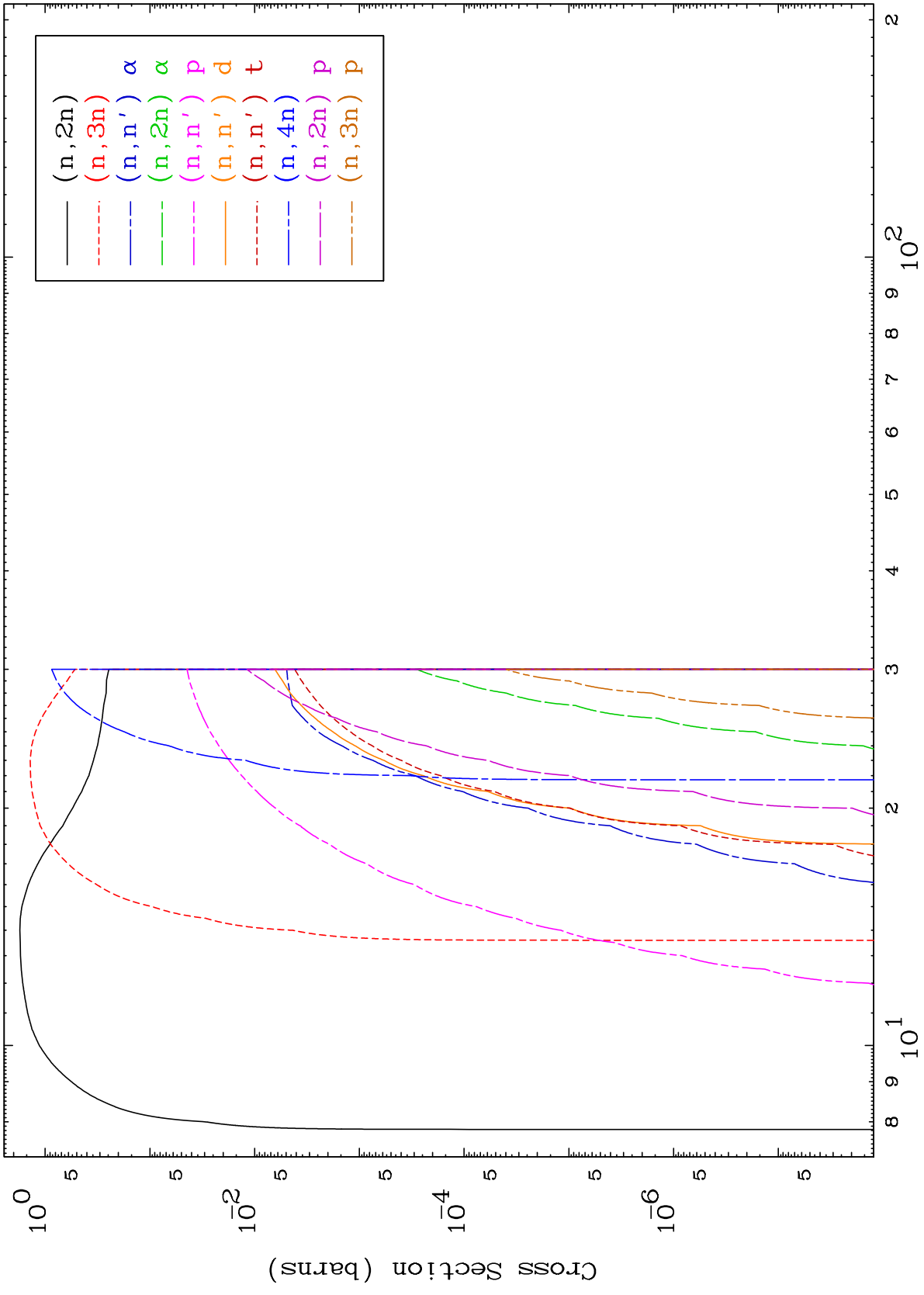
51-Sb-131



MAT 5155

Neutron Production
293 Kelvin Cross Sections

51-Sb-131



2

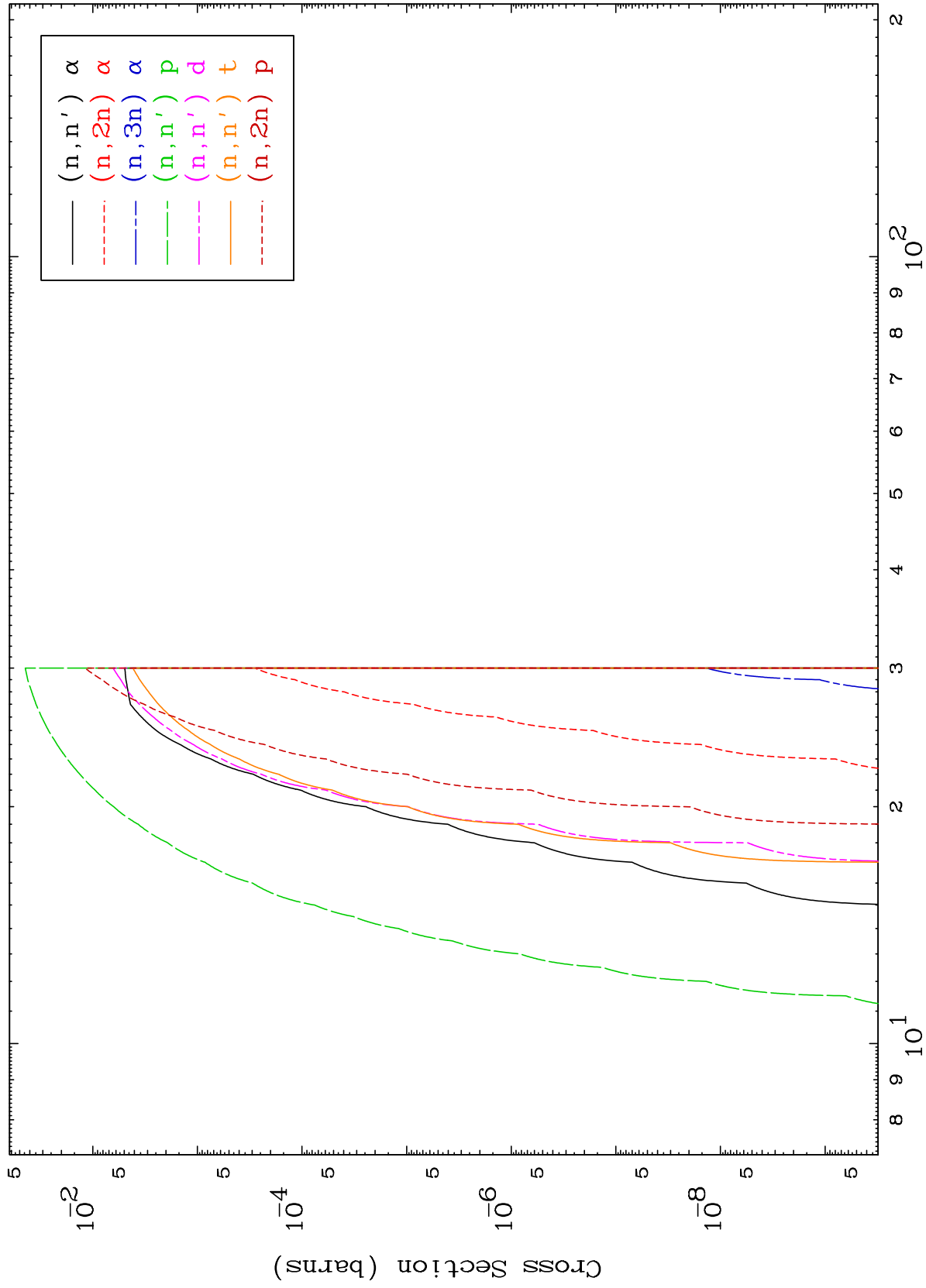
Incident Energy (MeV)

51-Sb-131

MAT 5155

Charged Particle
293 Kelvin Cross Sections

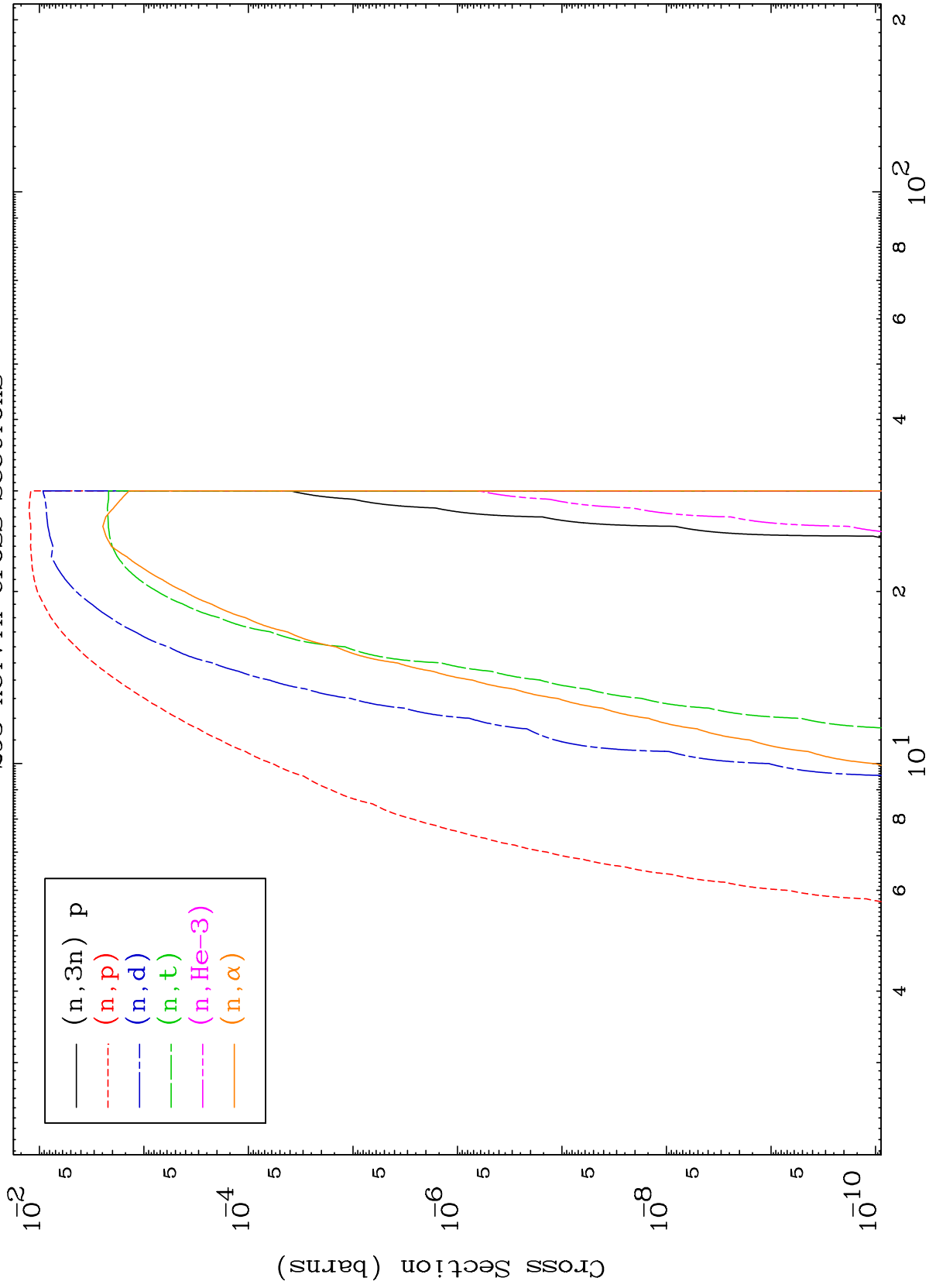
51-Sb-131

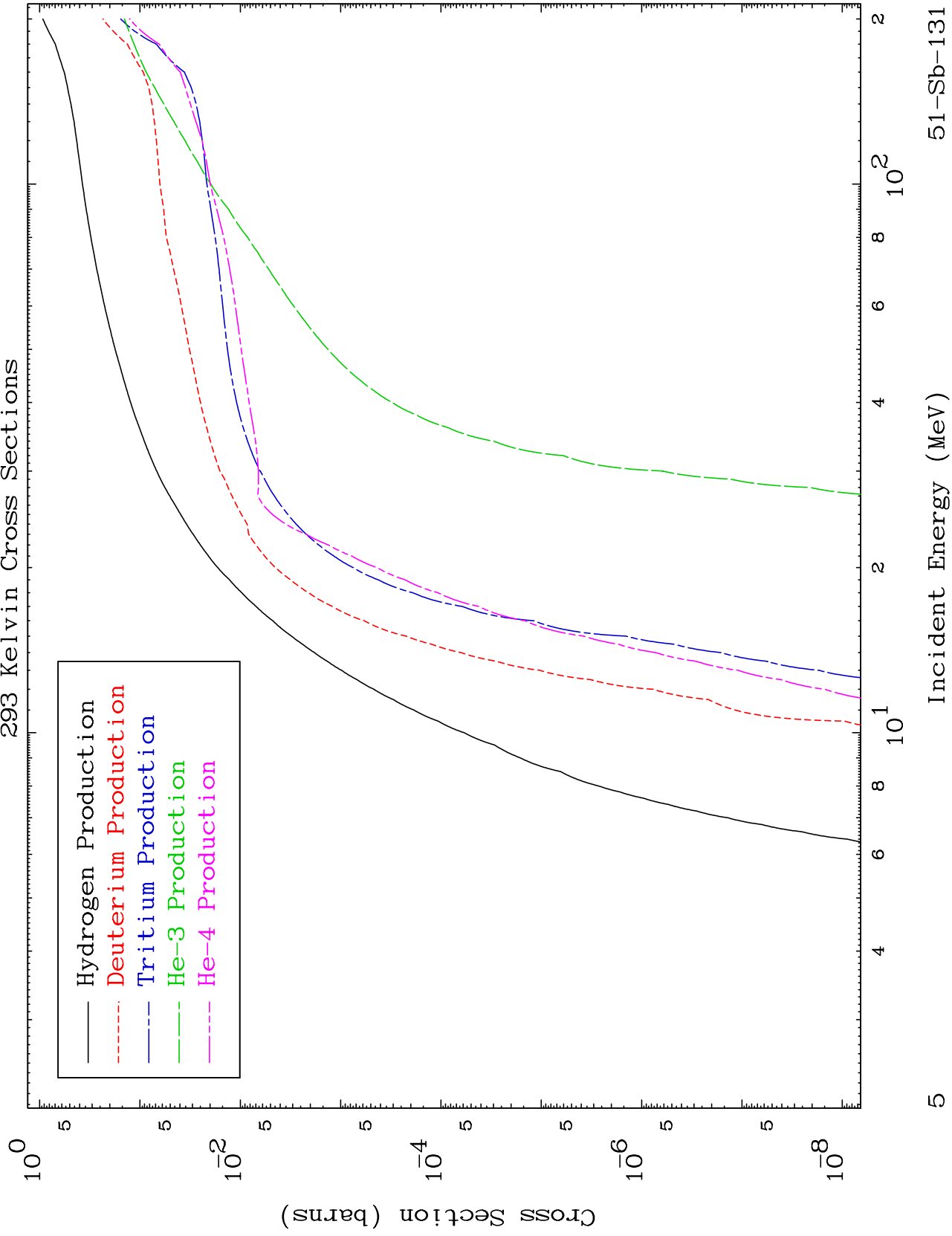


3

Incident Energy (MeV)

51-Sb-131



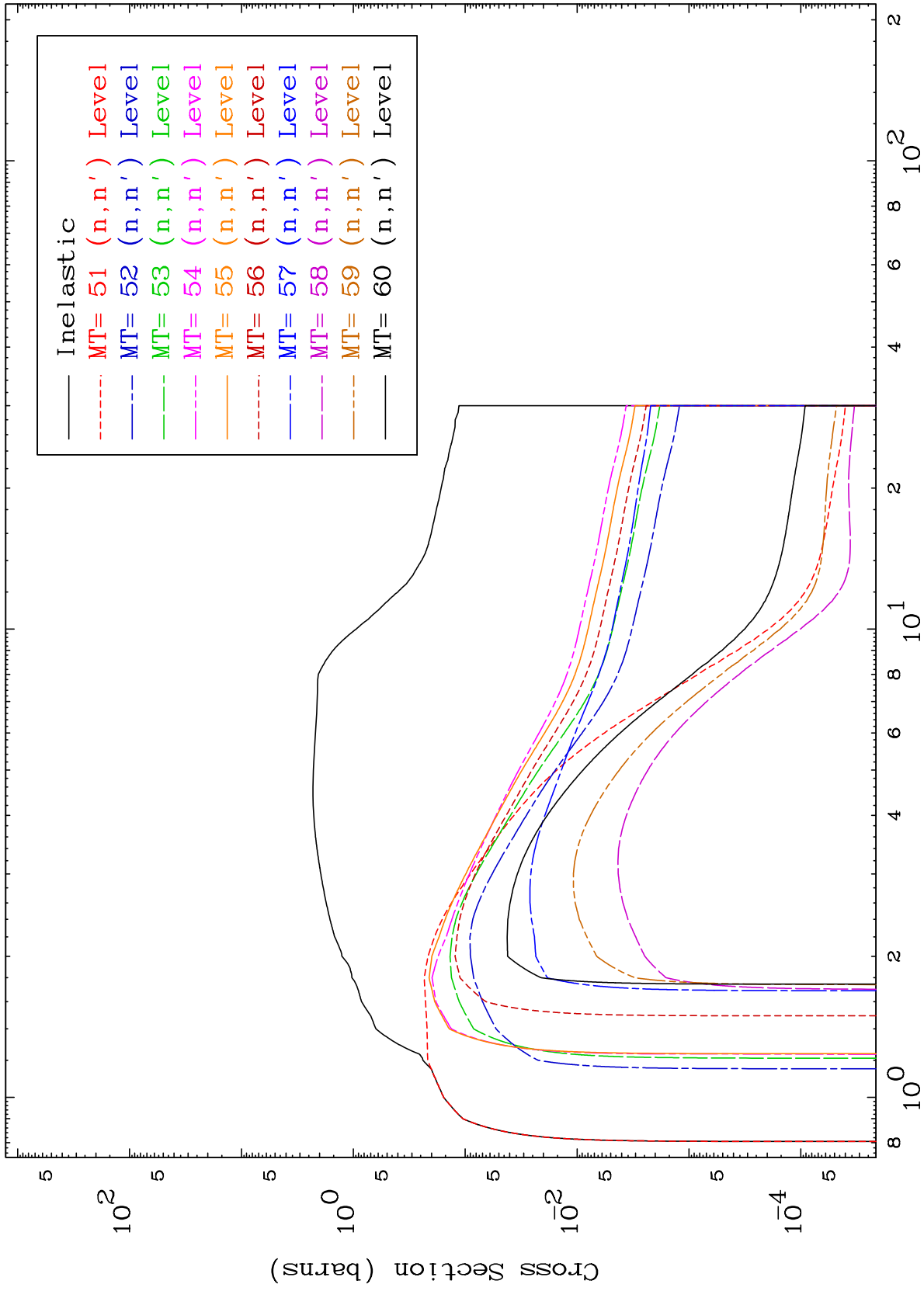


MAT 5155

(n,n') Level

51-Sb-131

293 Kelvin Cross Sections



Incident Energy (MeV)

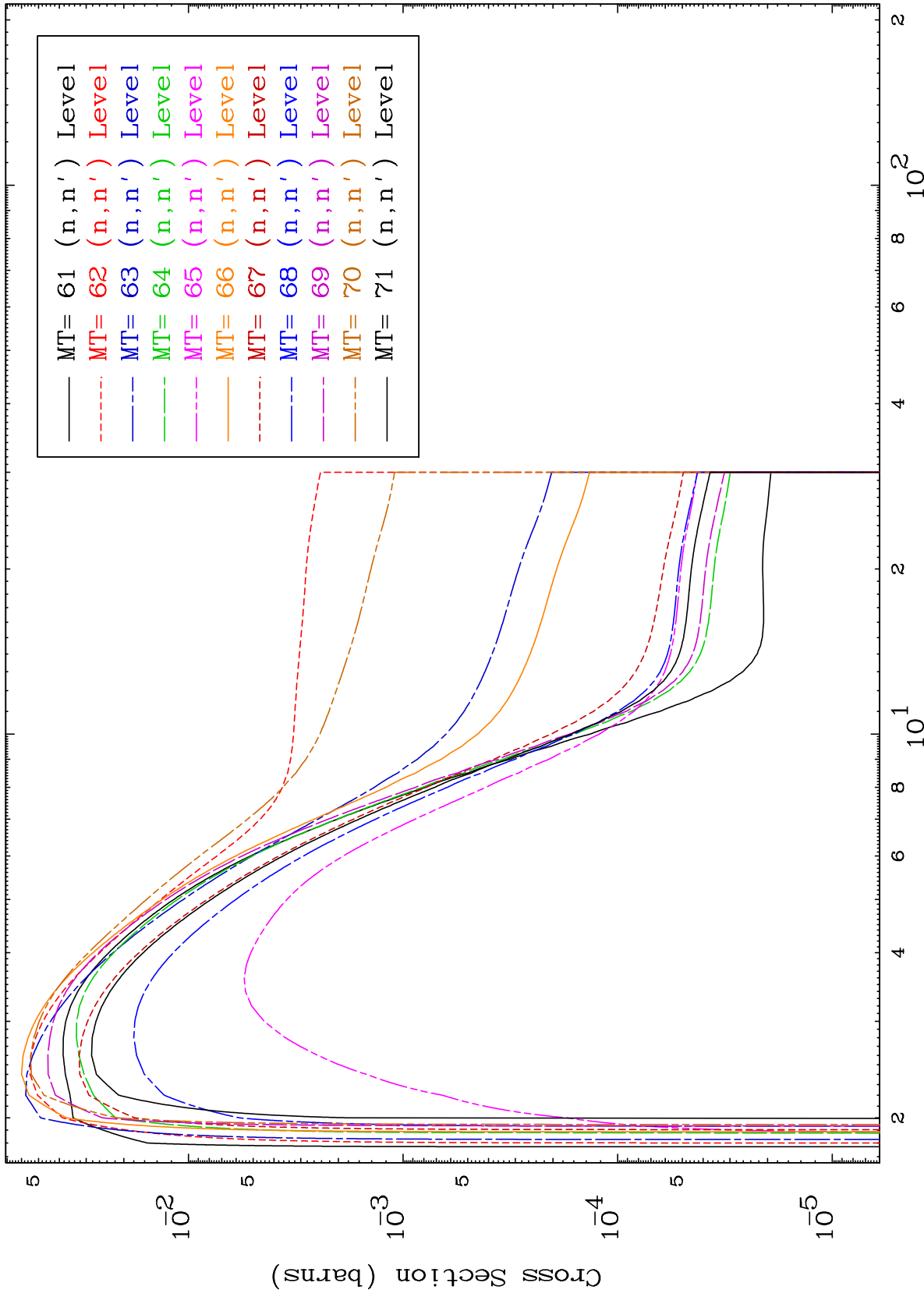
51-Sb-131

MAT 5155

(n,n') Level

293 Kelvin Cross Sections

51-Sb-131



7

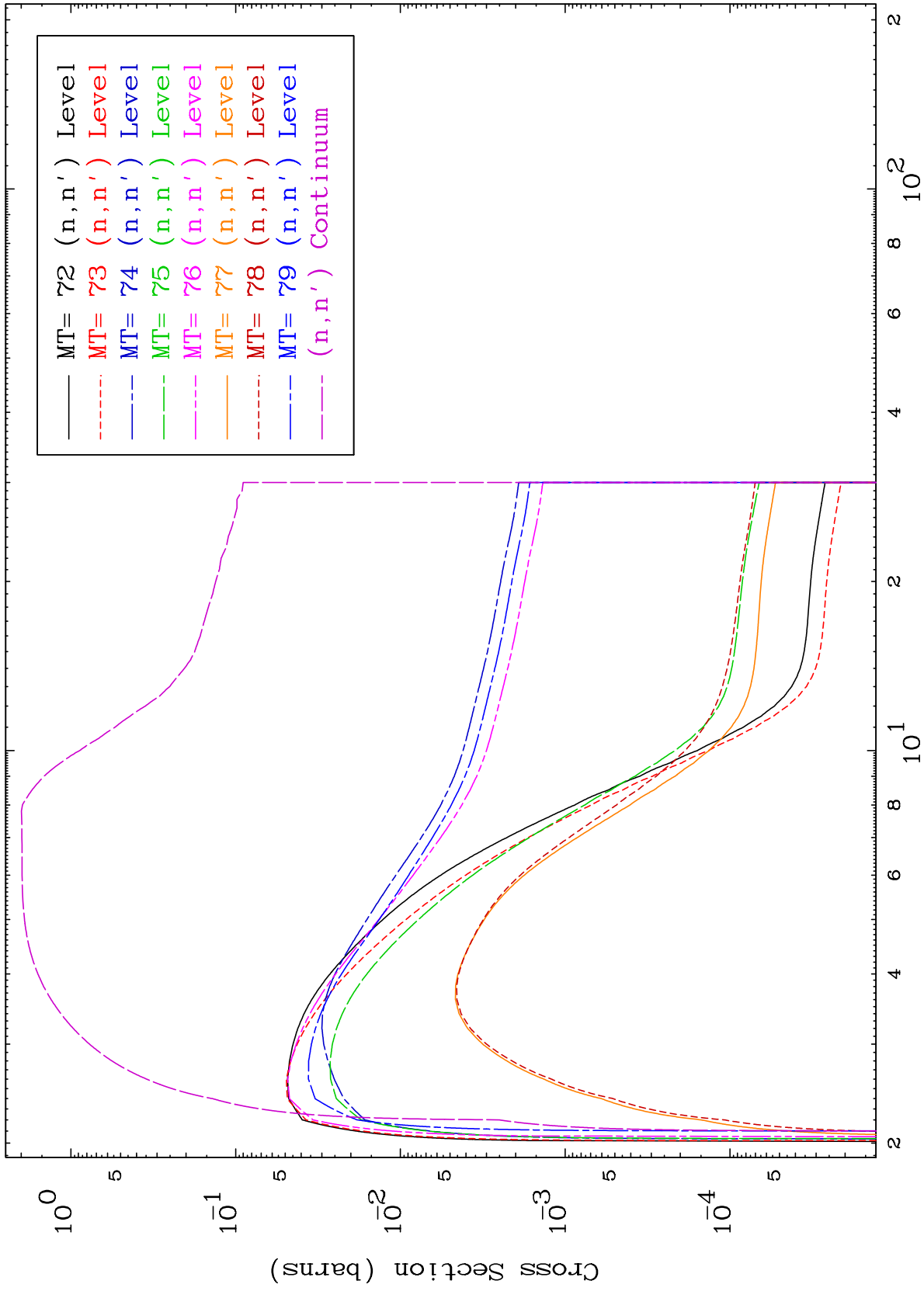
Incident Energy (MeV)

51-Sb-131

MAT 5155

(n,n') Level
293 Kelvin Cross Sections

51-Sb-131



8

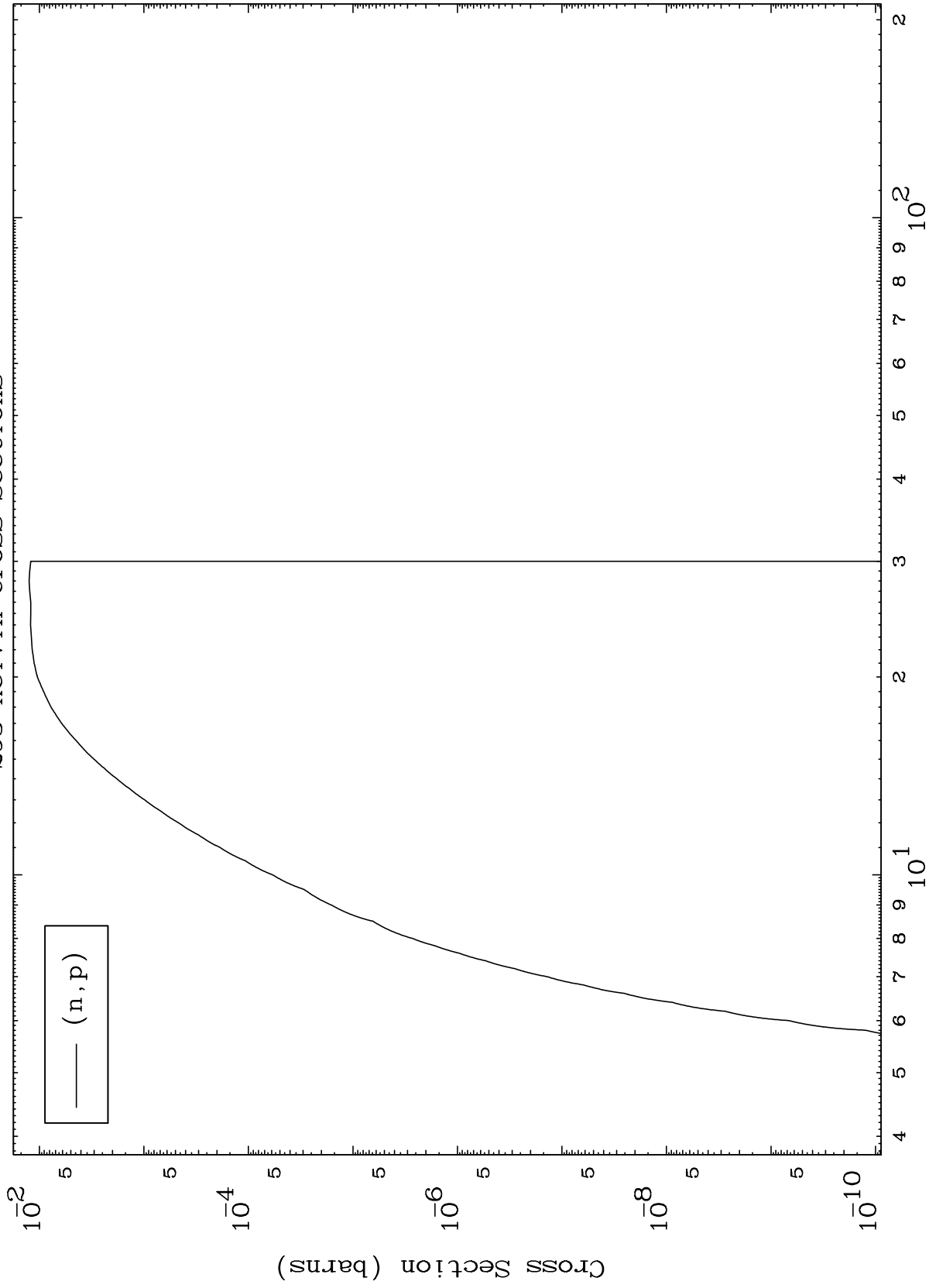
Incident Energy (MeV)

51-Sb-131

MAT 5155

(n,p) Levels
293 Kelvin Cross Sections

51-Sb-131



9

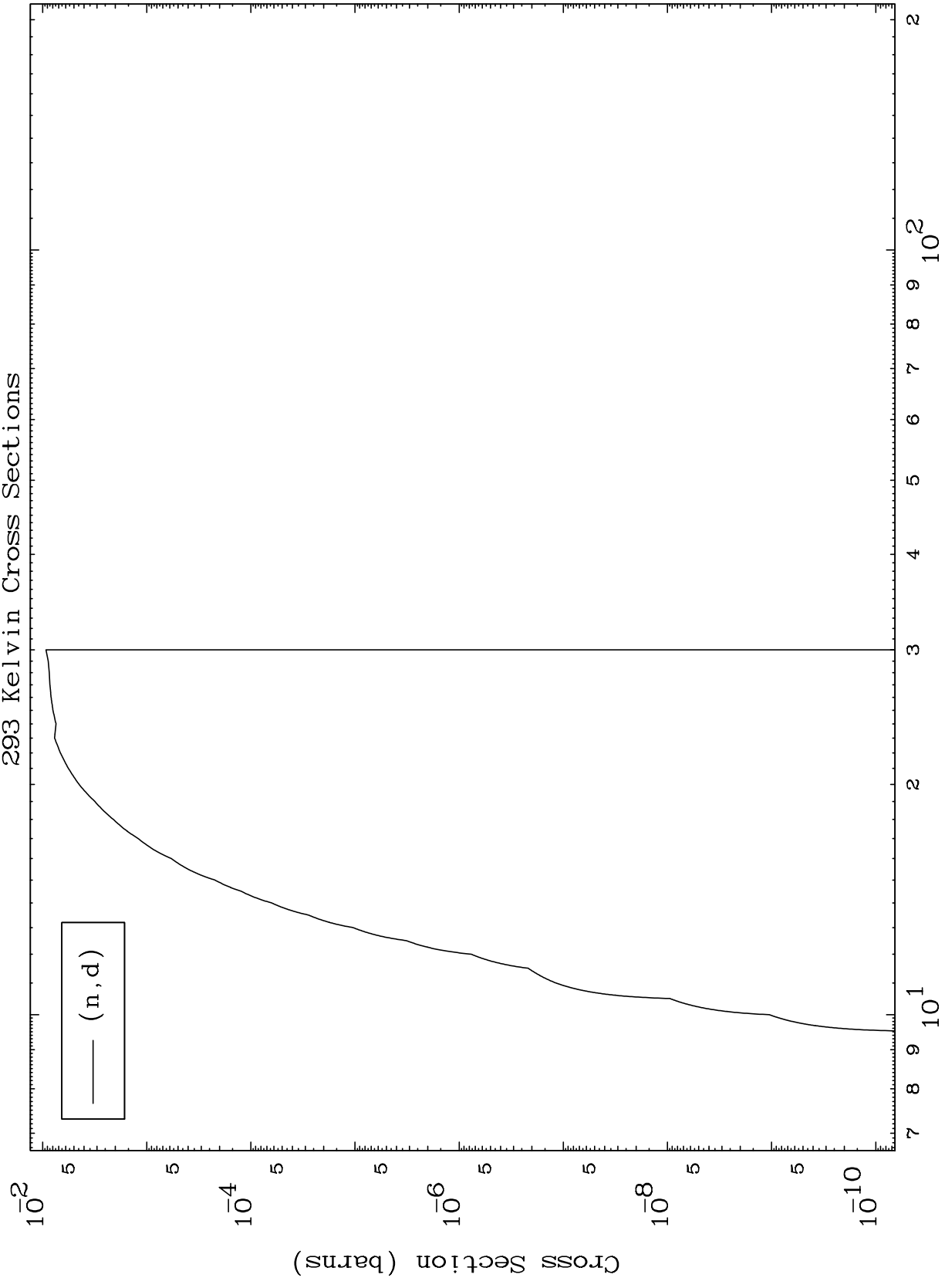
Incident Energy (MeV)

51-Sb-131

MAT 5155

(n,d) Levels
293 Kelvin Cross Sections

51-Sb-131



10

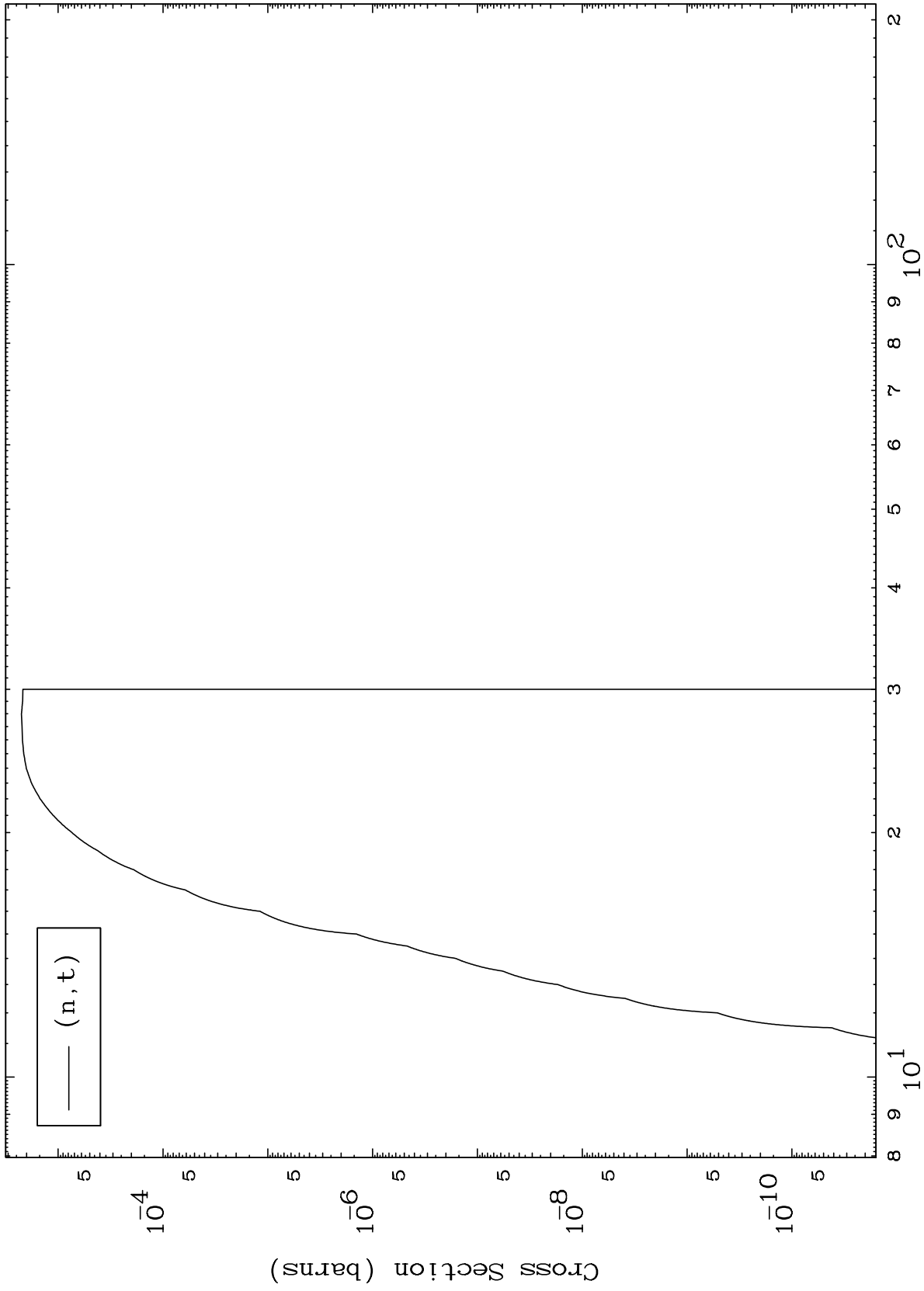
Incident Energy (MeV)

51-Sb-131

MAT 5155

(n,t) Levels
293 Kelvin Cross Sections

51-Sb-131



11

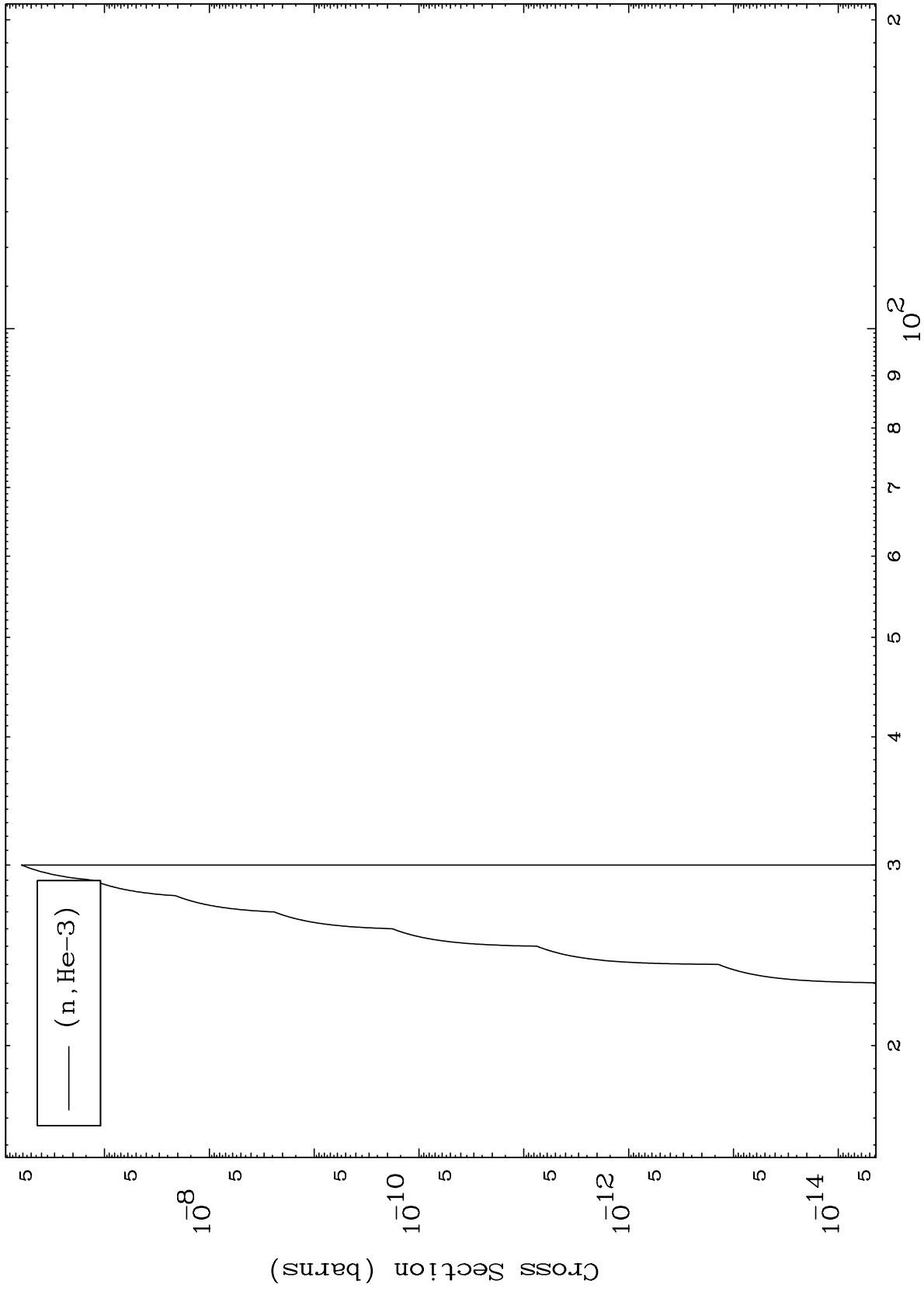
Incident Energy (MeV)

51-Sb-131

MAT 5155

(n,He3) Levels
293 Kelvin Cross Sections

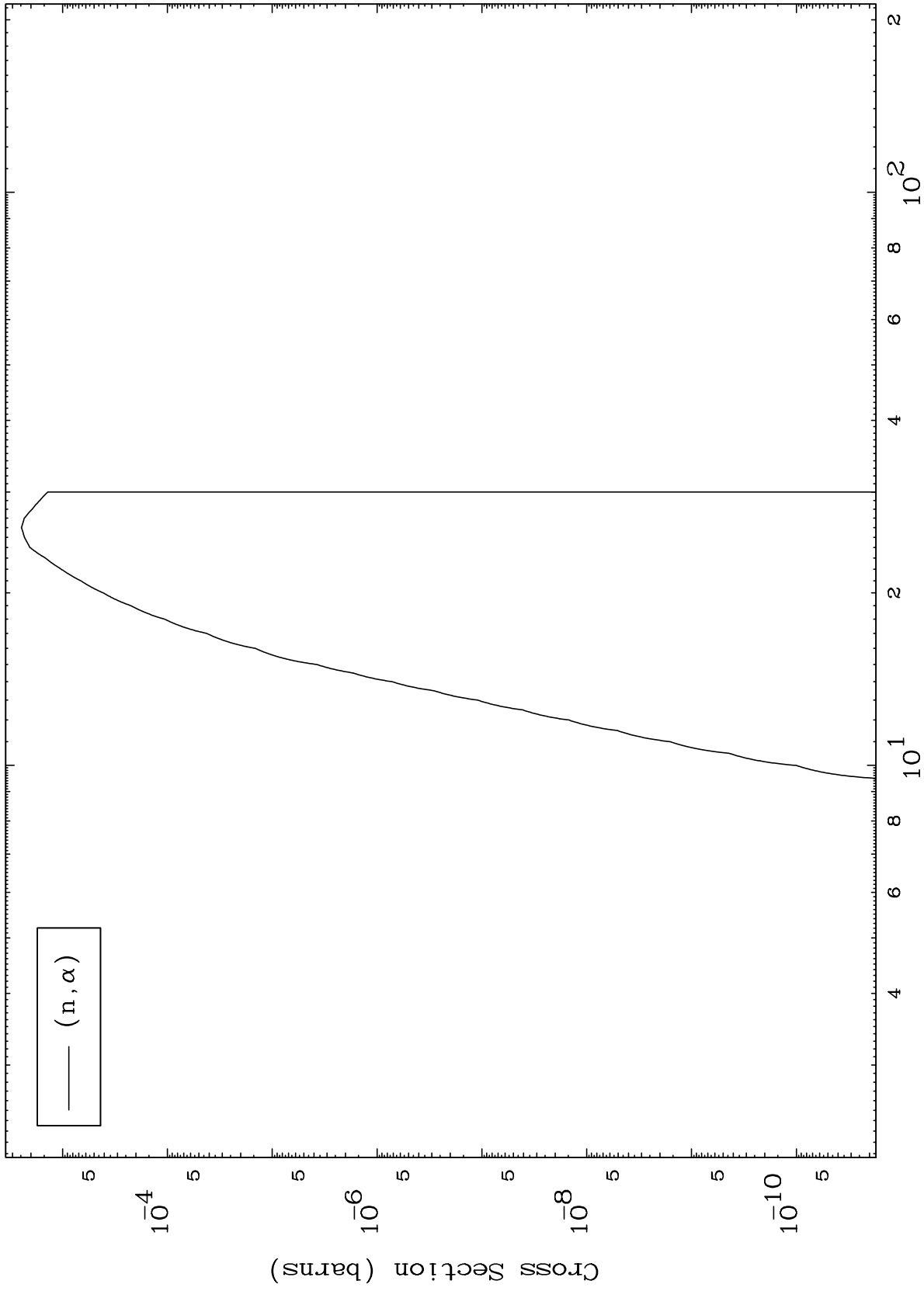
51-Sb-131

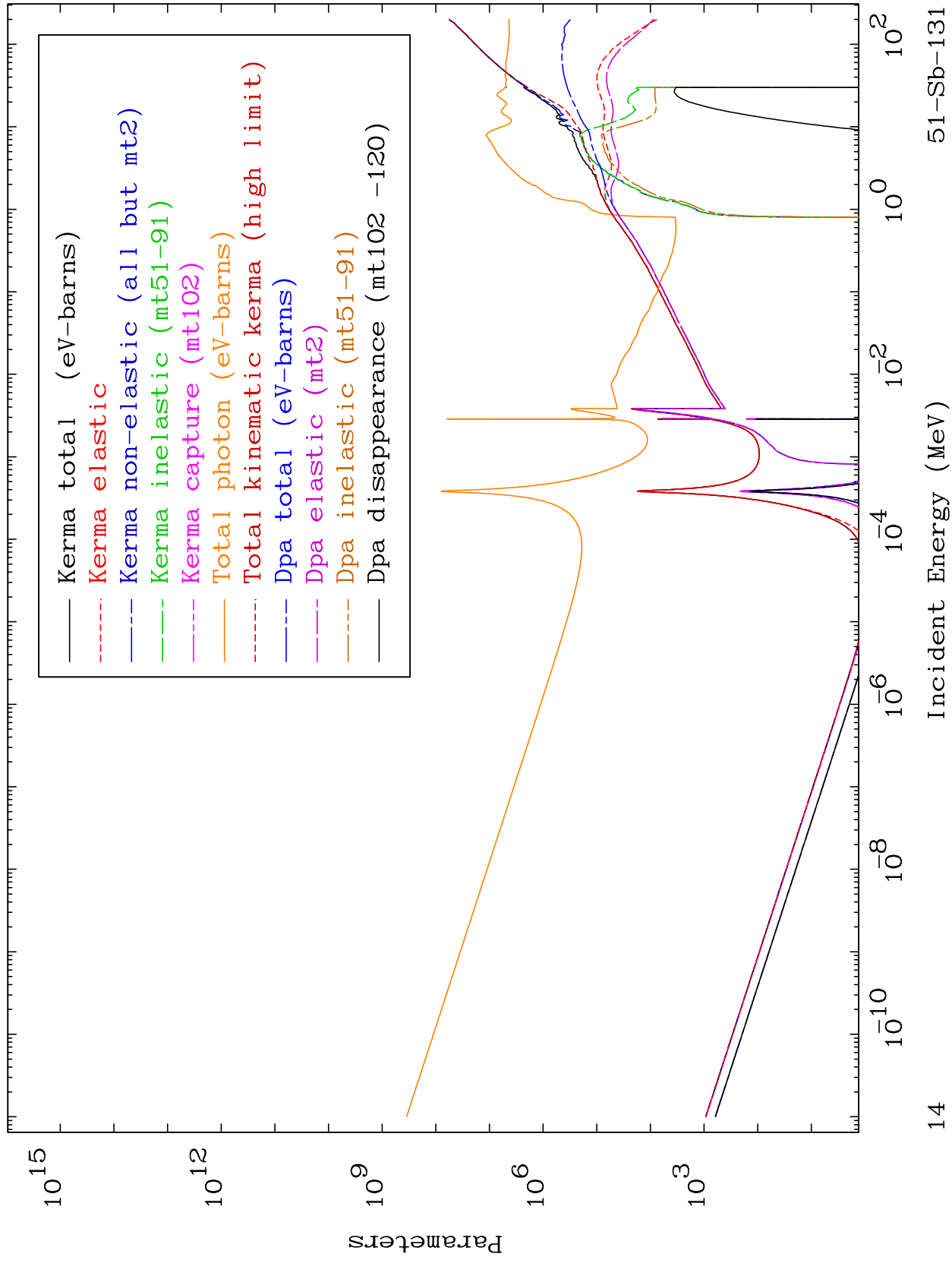


12

Incident Energy (MeV)

51-Sb-131

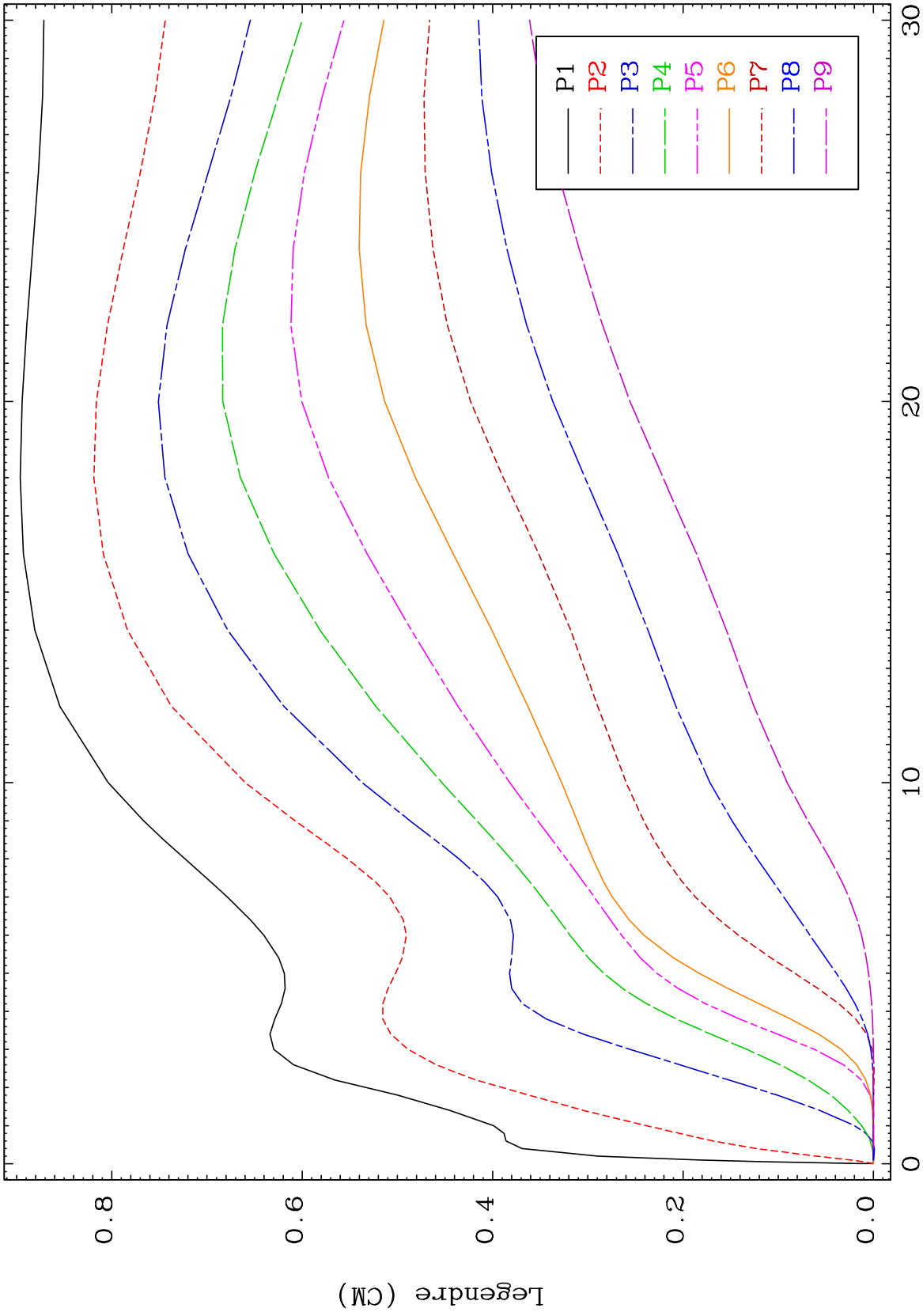




MAT 5155

Elastic Legendre Coefficients

51-Sb-131



15

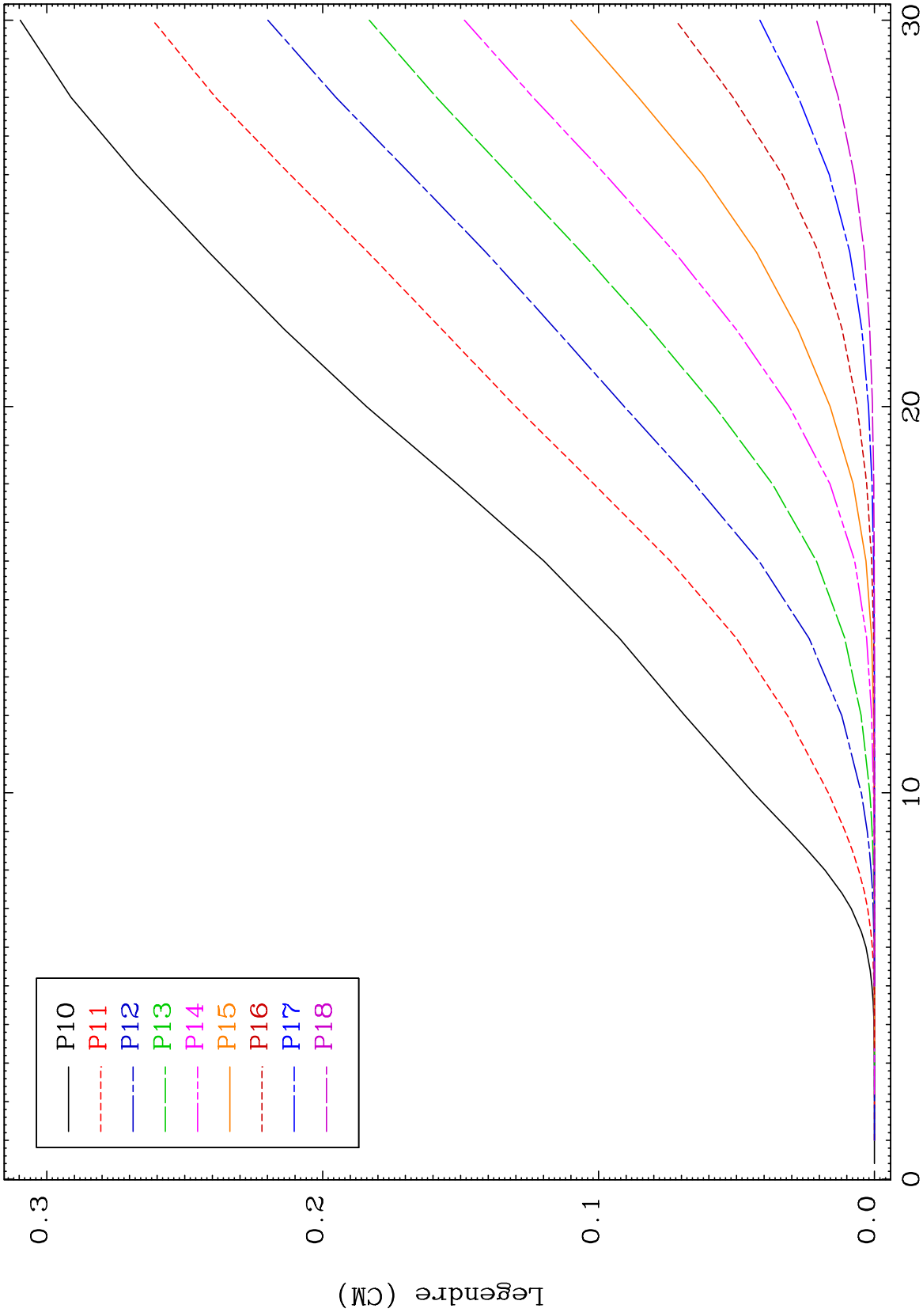
Incident Energy (MeV)

51-Sb-131

MAT 5155

Elastic Legendre Coefficients

51-Sb-131



16

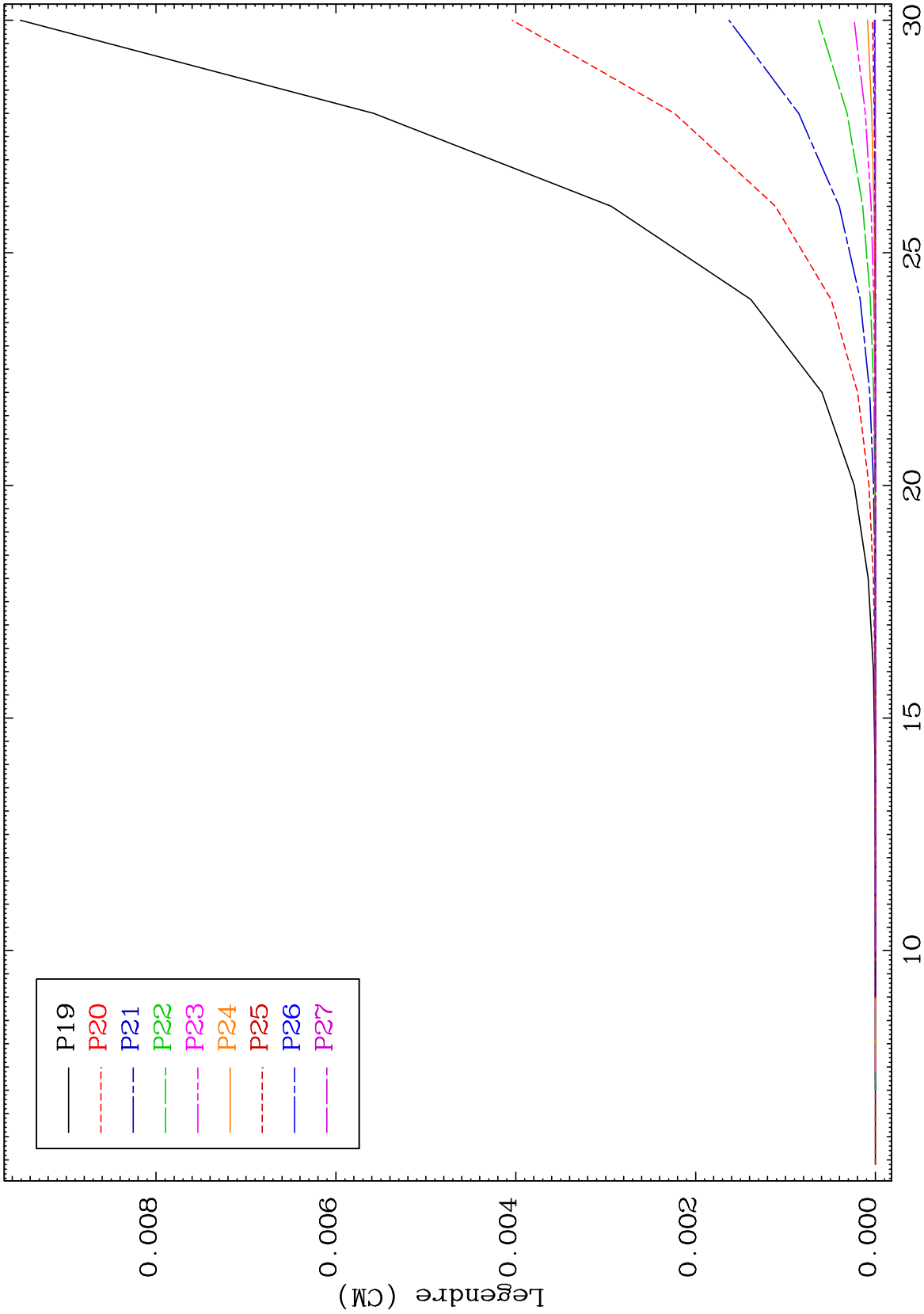
Incident Energy (MeV)

51-Sb-131

MAT 5155

Elastic Legendre Coefficients

51-Sb-131



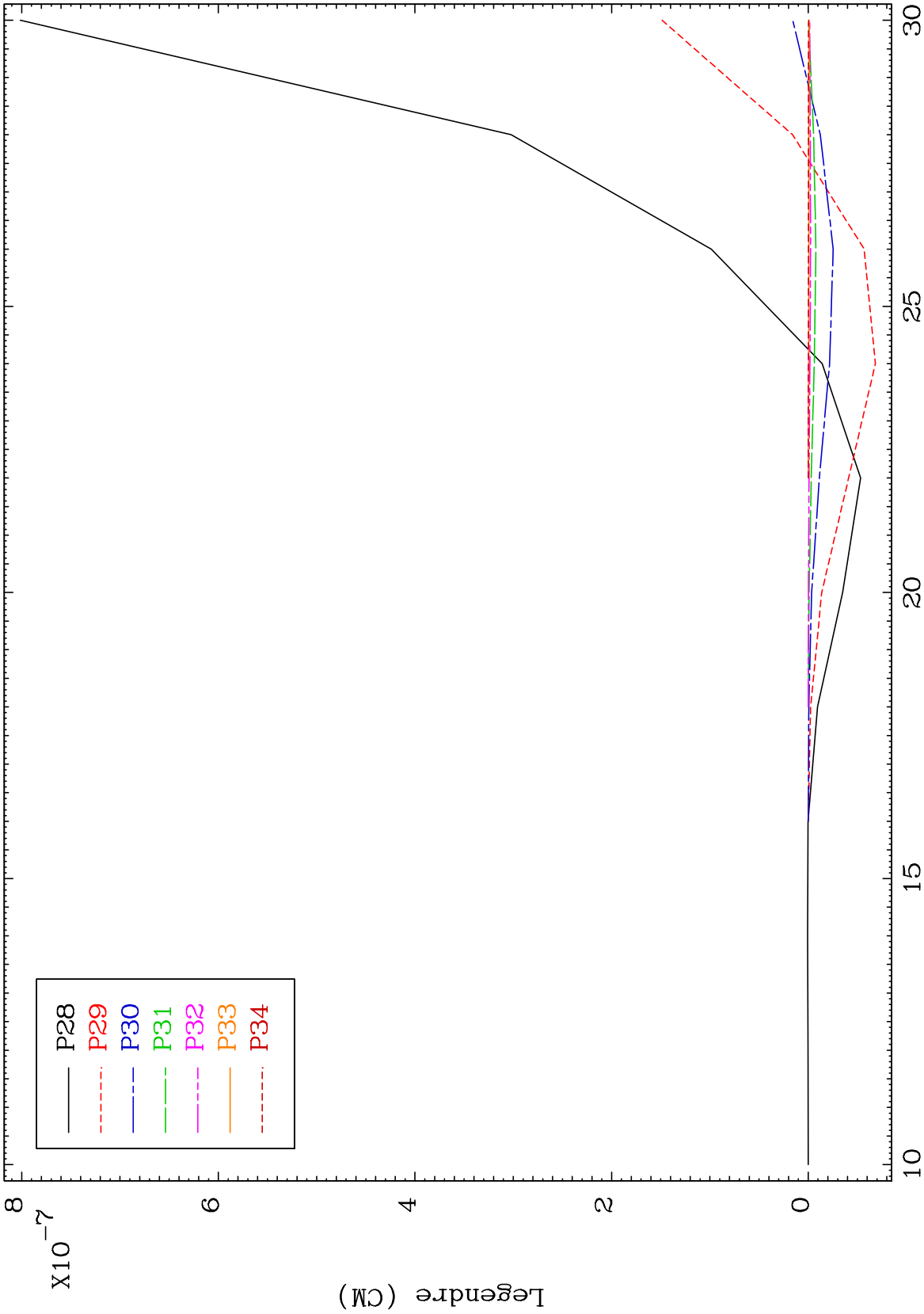
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51-Sb-131

MAT 5155

Elastic Legendre Coefficients

51-Sb-131



18

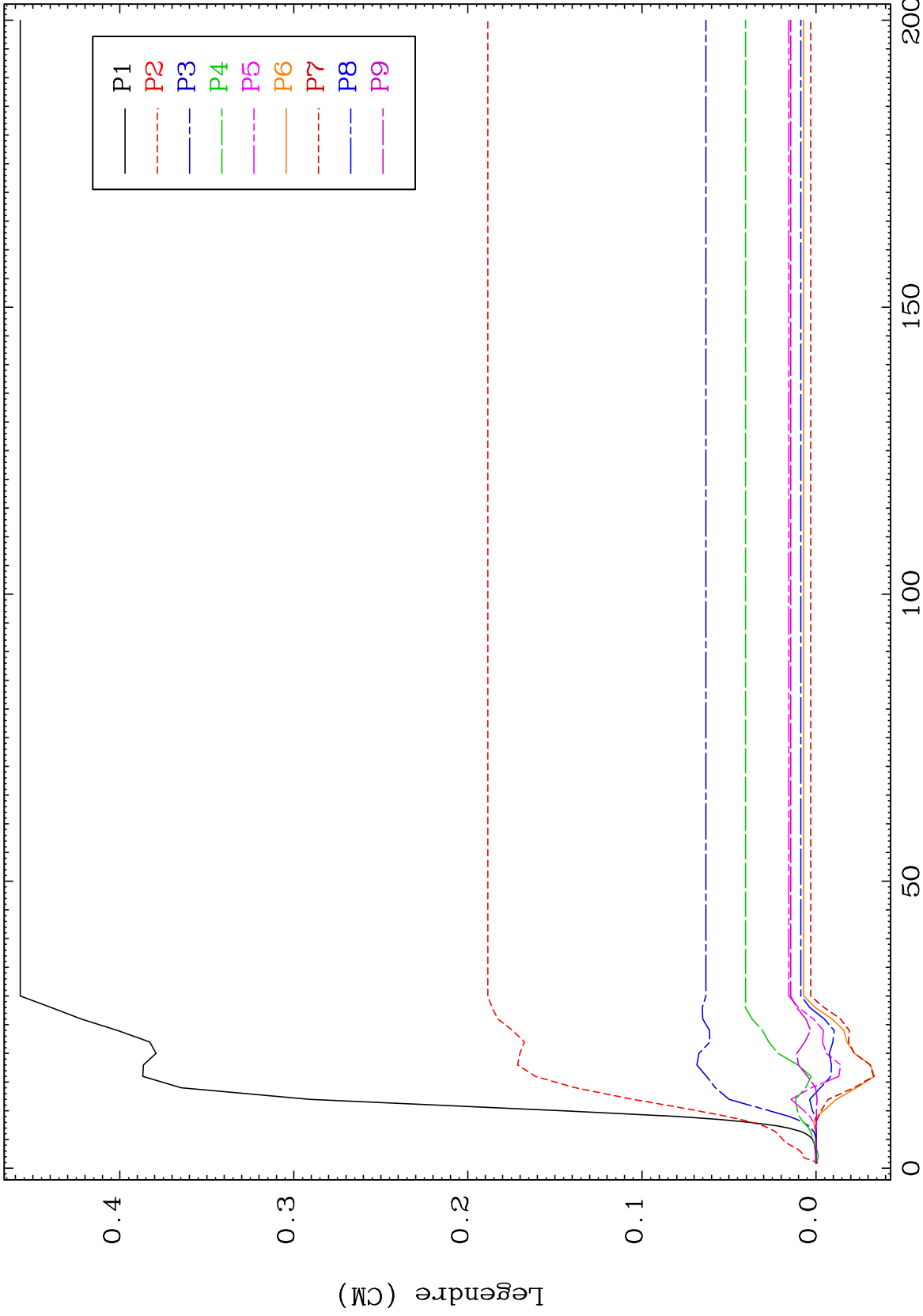
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



19

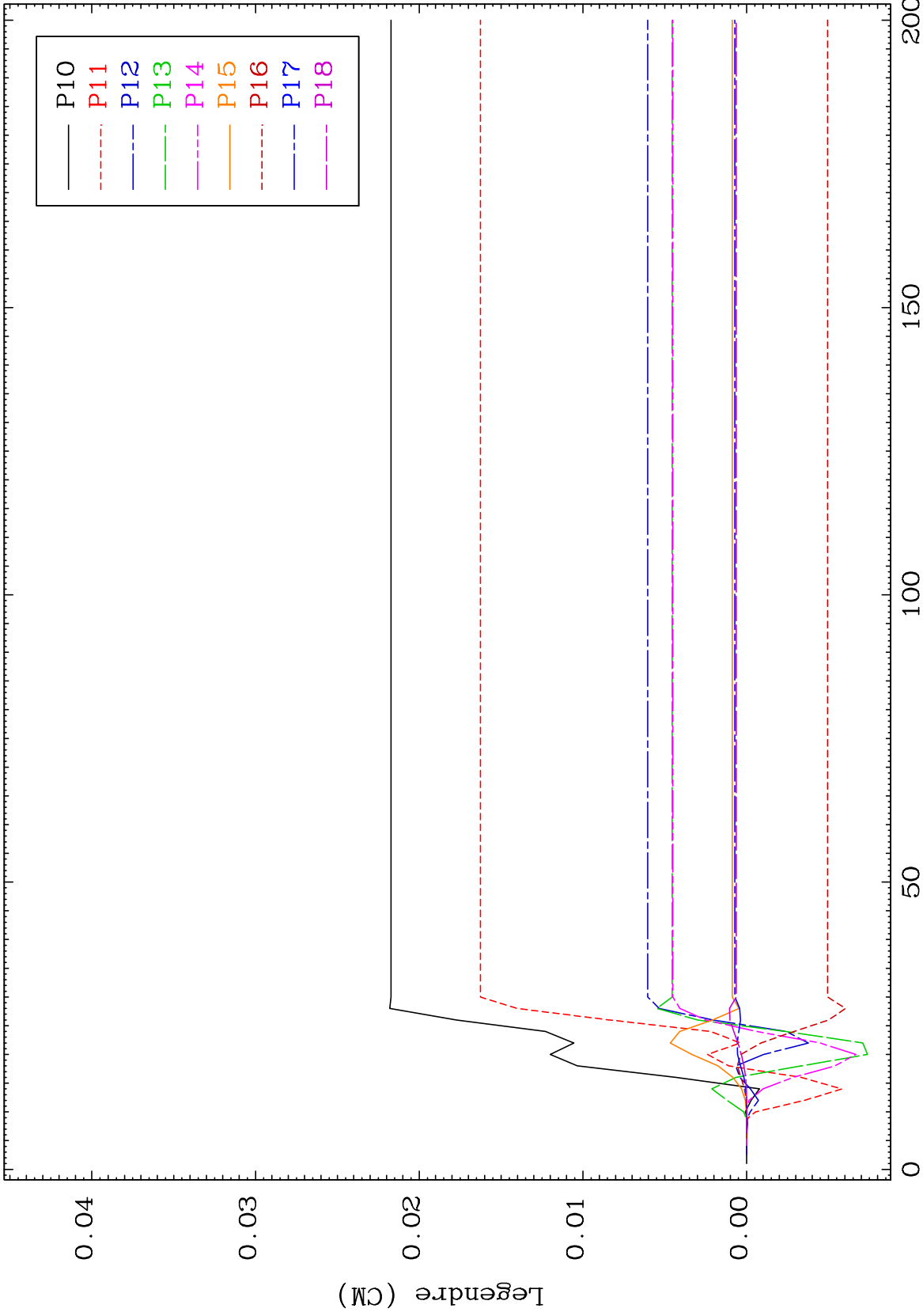
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



51-Sb-131

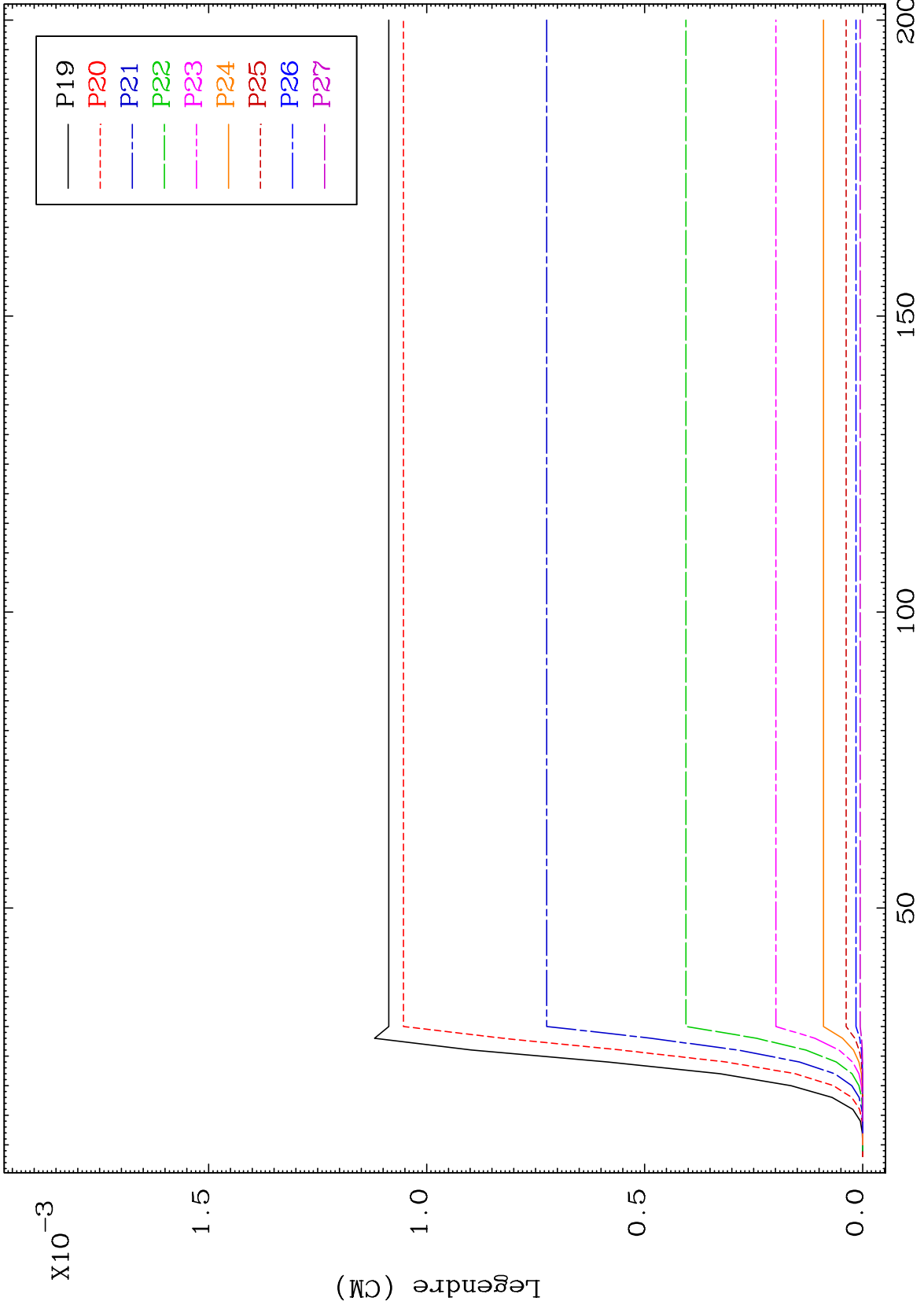
Incident Energy (MeV)

20

MAT 5155

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

51-Sb-131



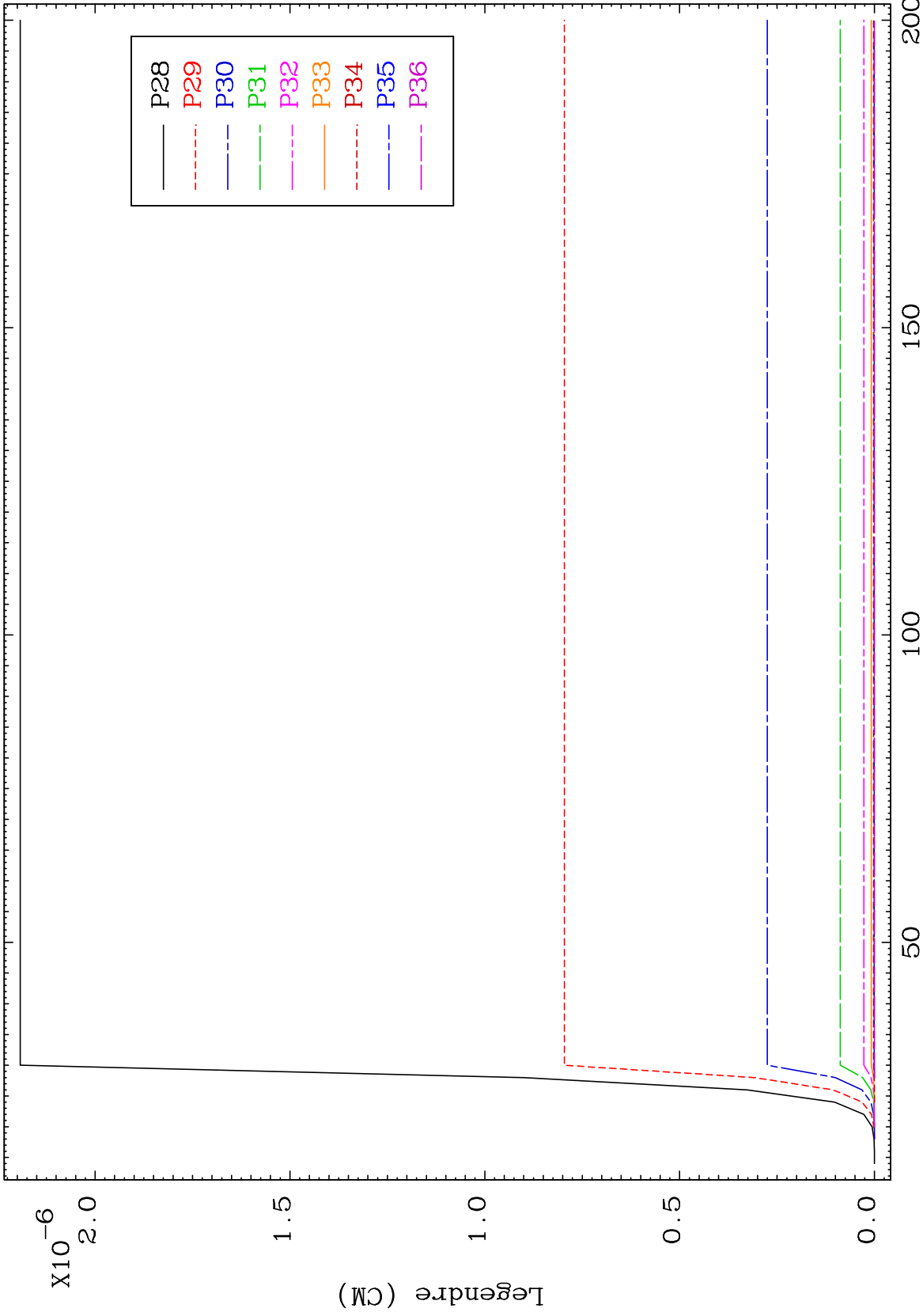
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51-Sb-131

MAT 5155

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

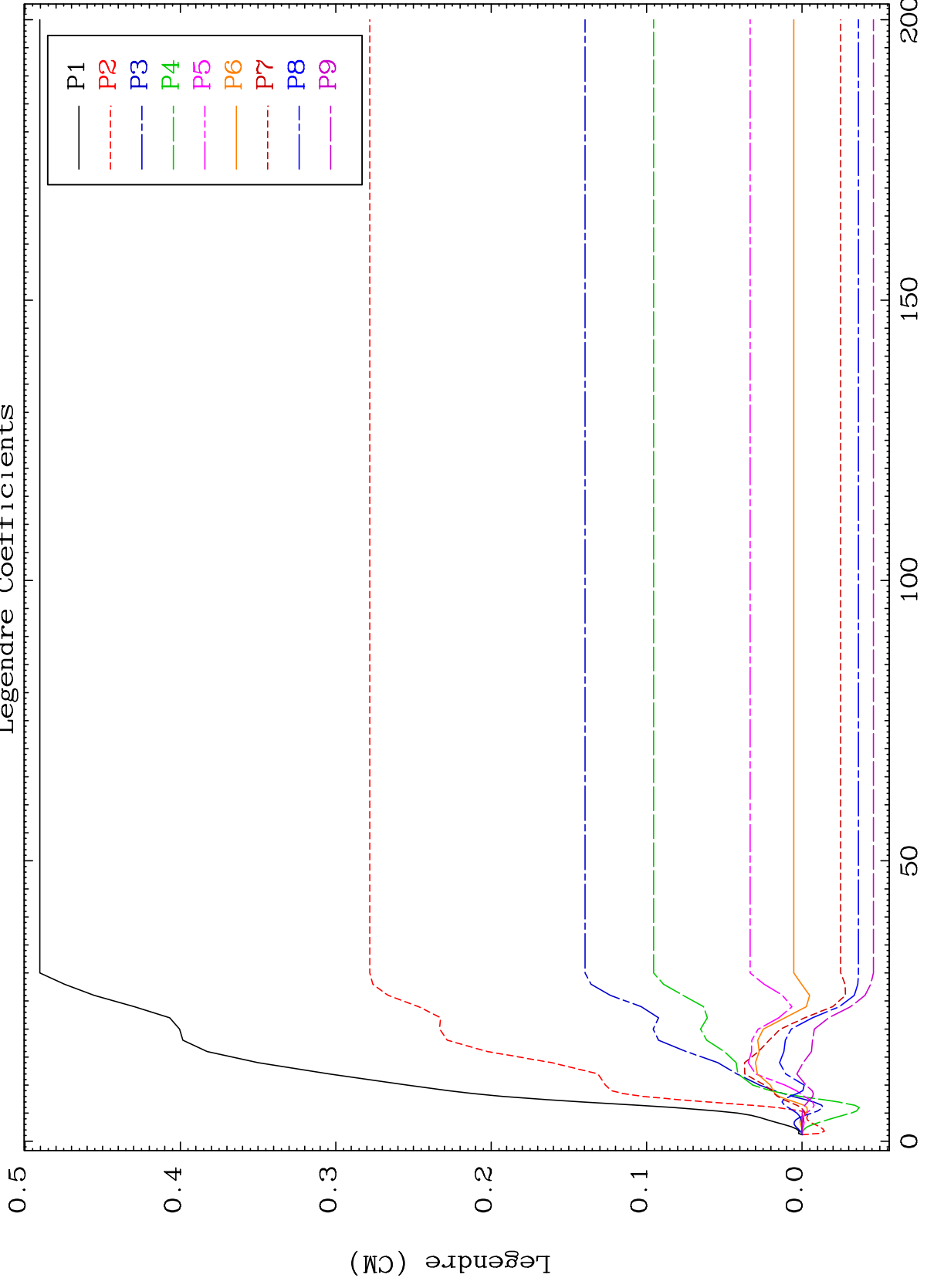
51-Sb-131



22

51-Sb-131

MAT 5155 MT= 52 (n,n') Level Legendre Coefficients 51-Sb-131

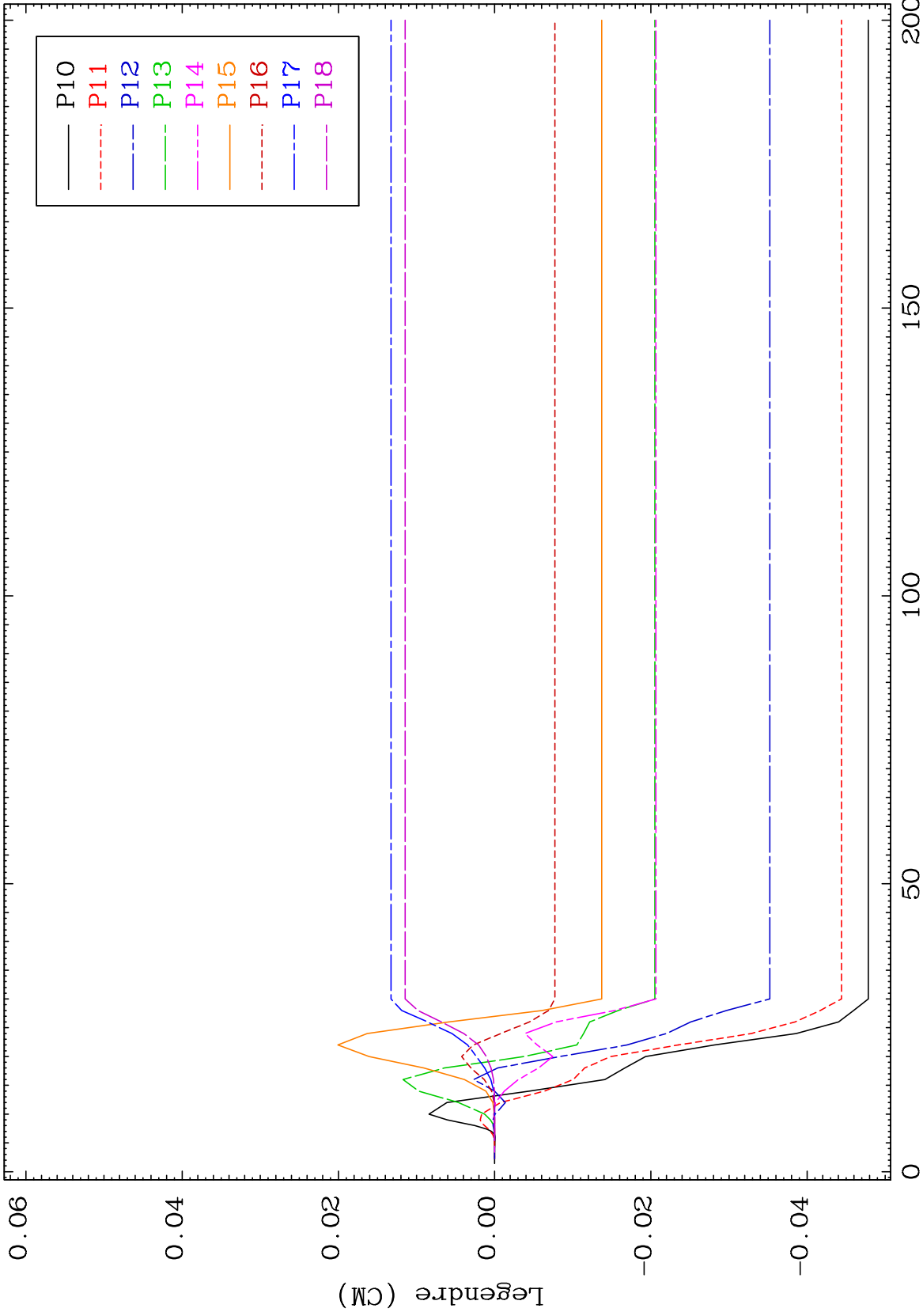


23 51-Sb-131

MAT 5155

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

51-Sb-131



24

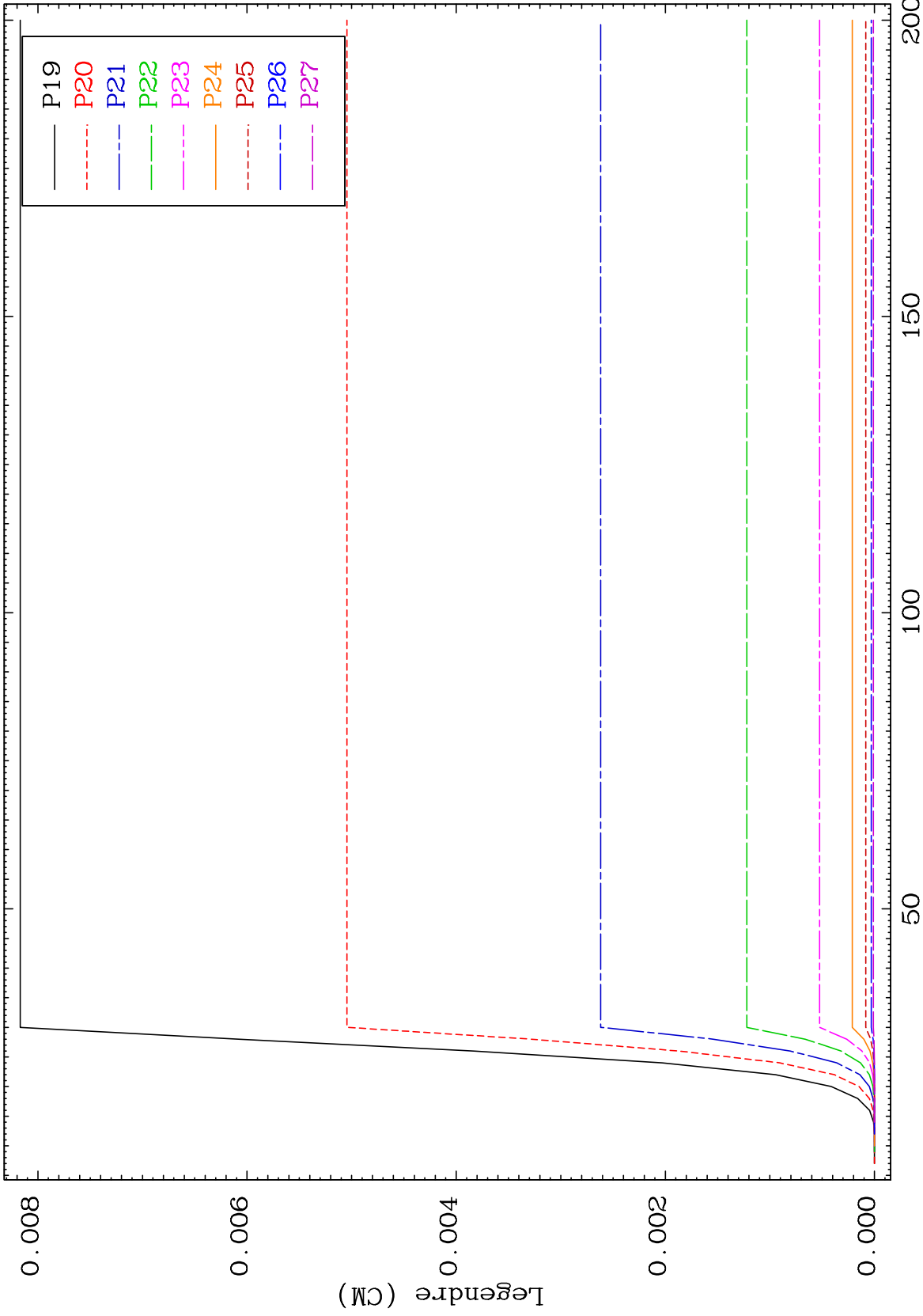
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



25

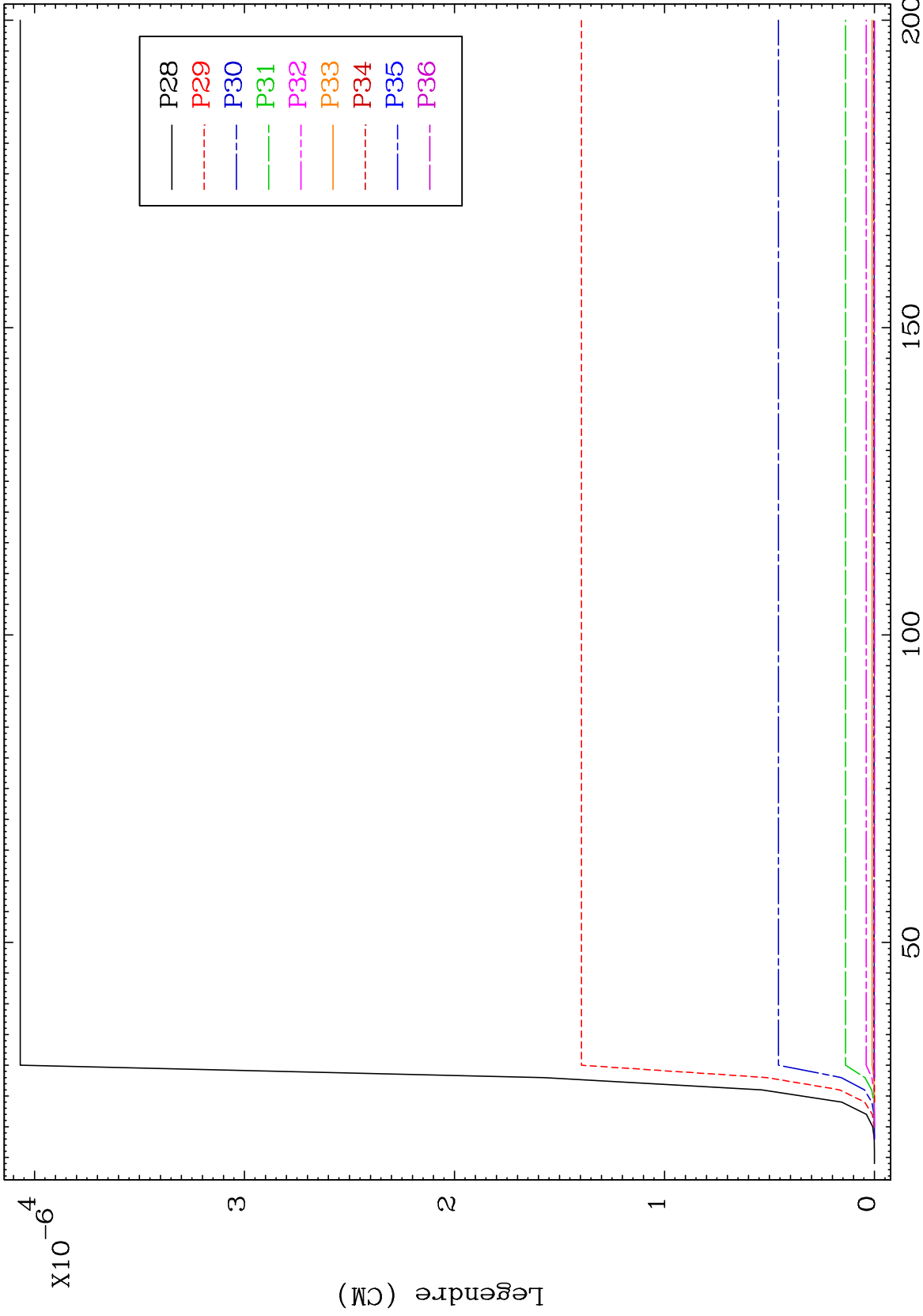
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131

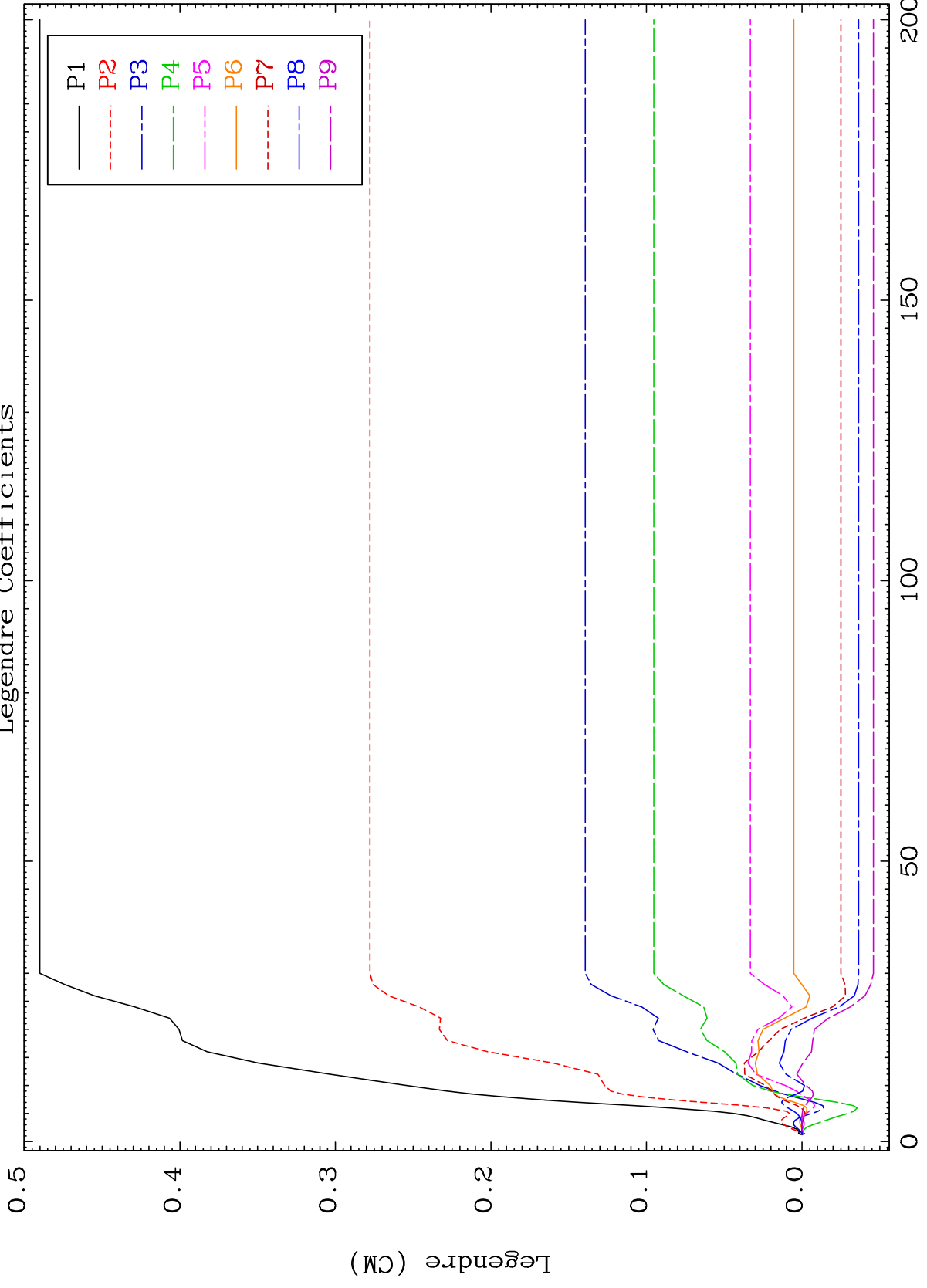


26

Incident Energy (MeV)

51-Sb-131

MAT 5155 MT= 53 (n,n') Level Legendre Coefficients 51-Sb-131

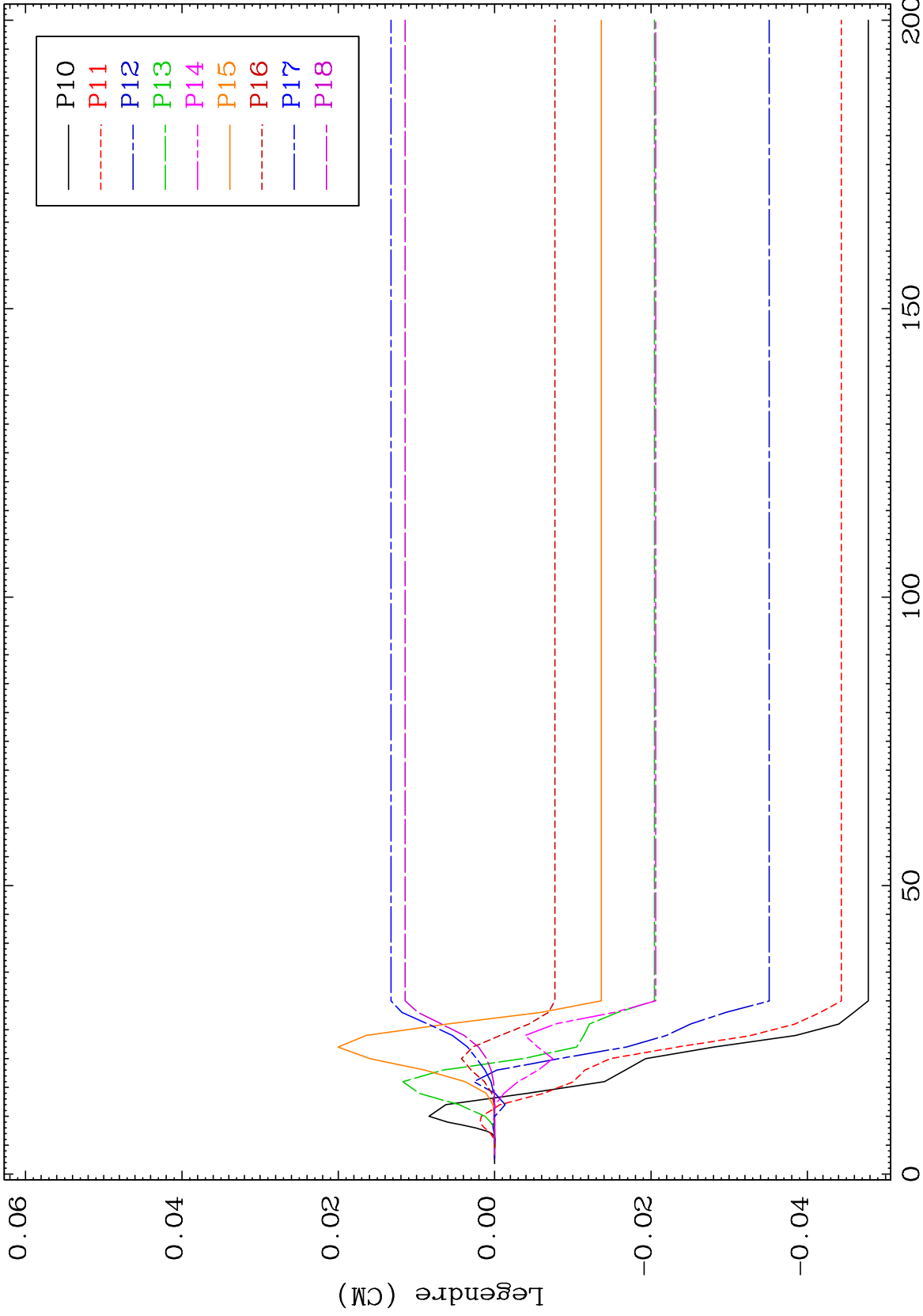


27 51-Sb-131

MAT 5155

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

51-Sb-131



28

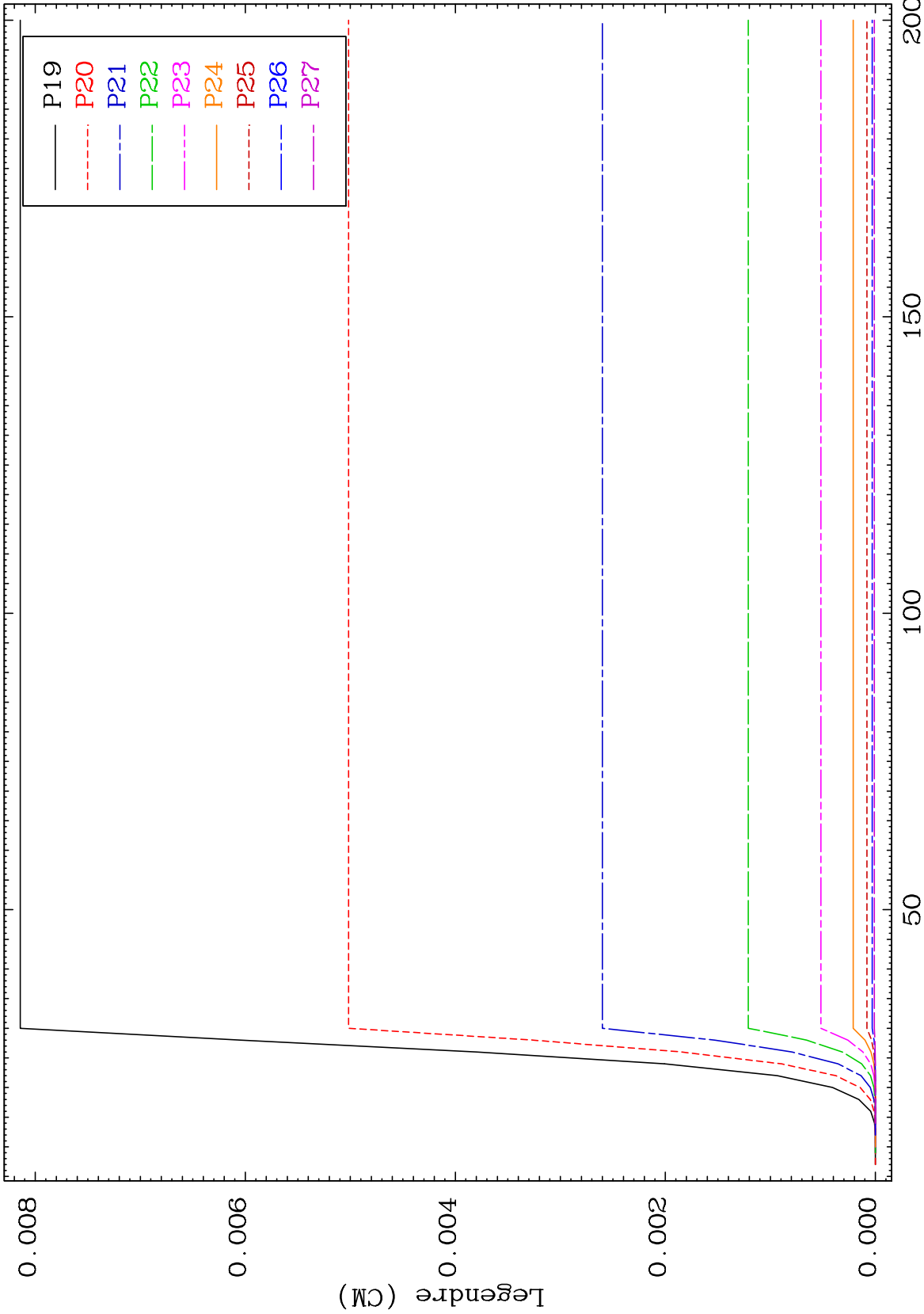
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



29

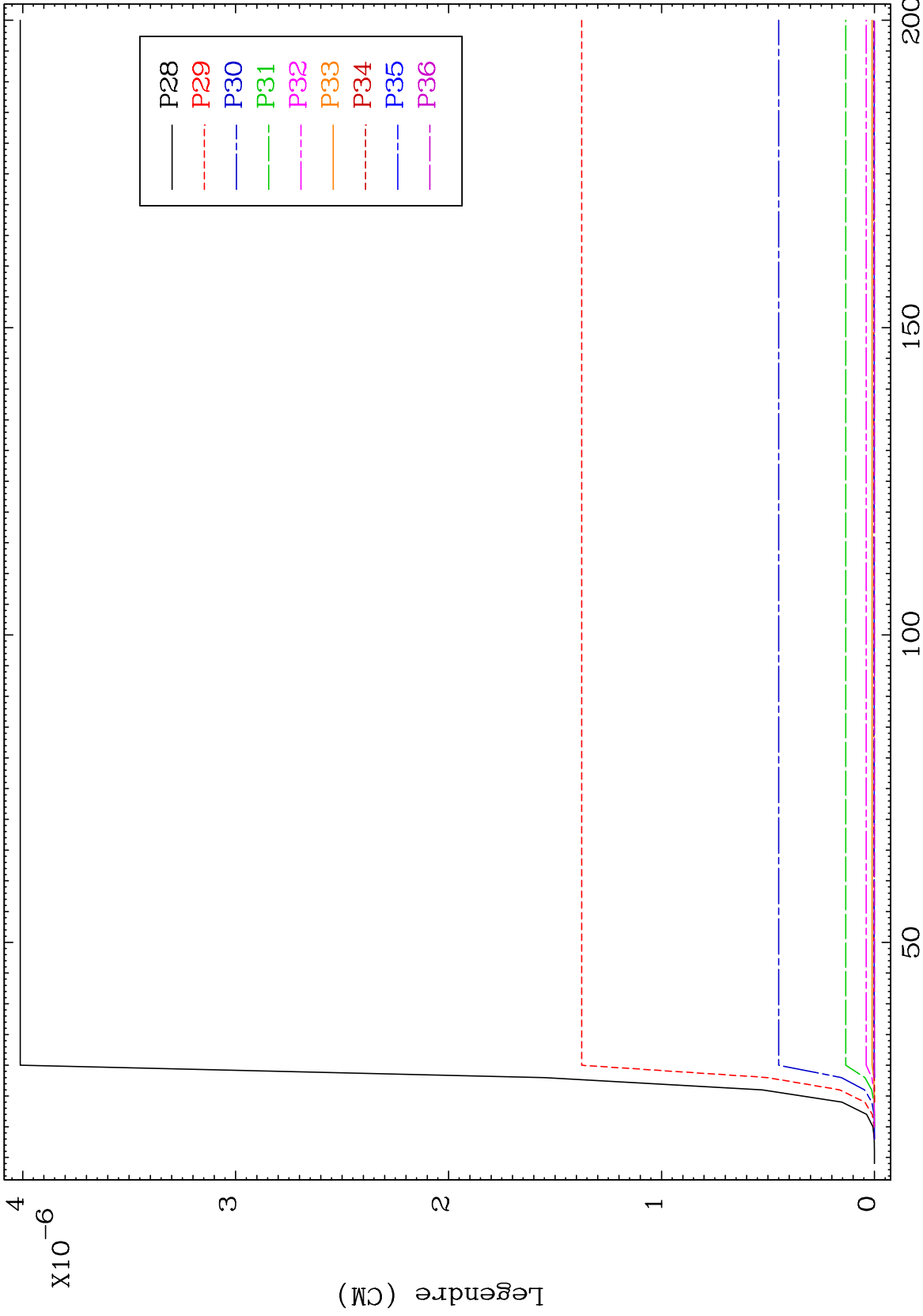
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131

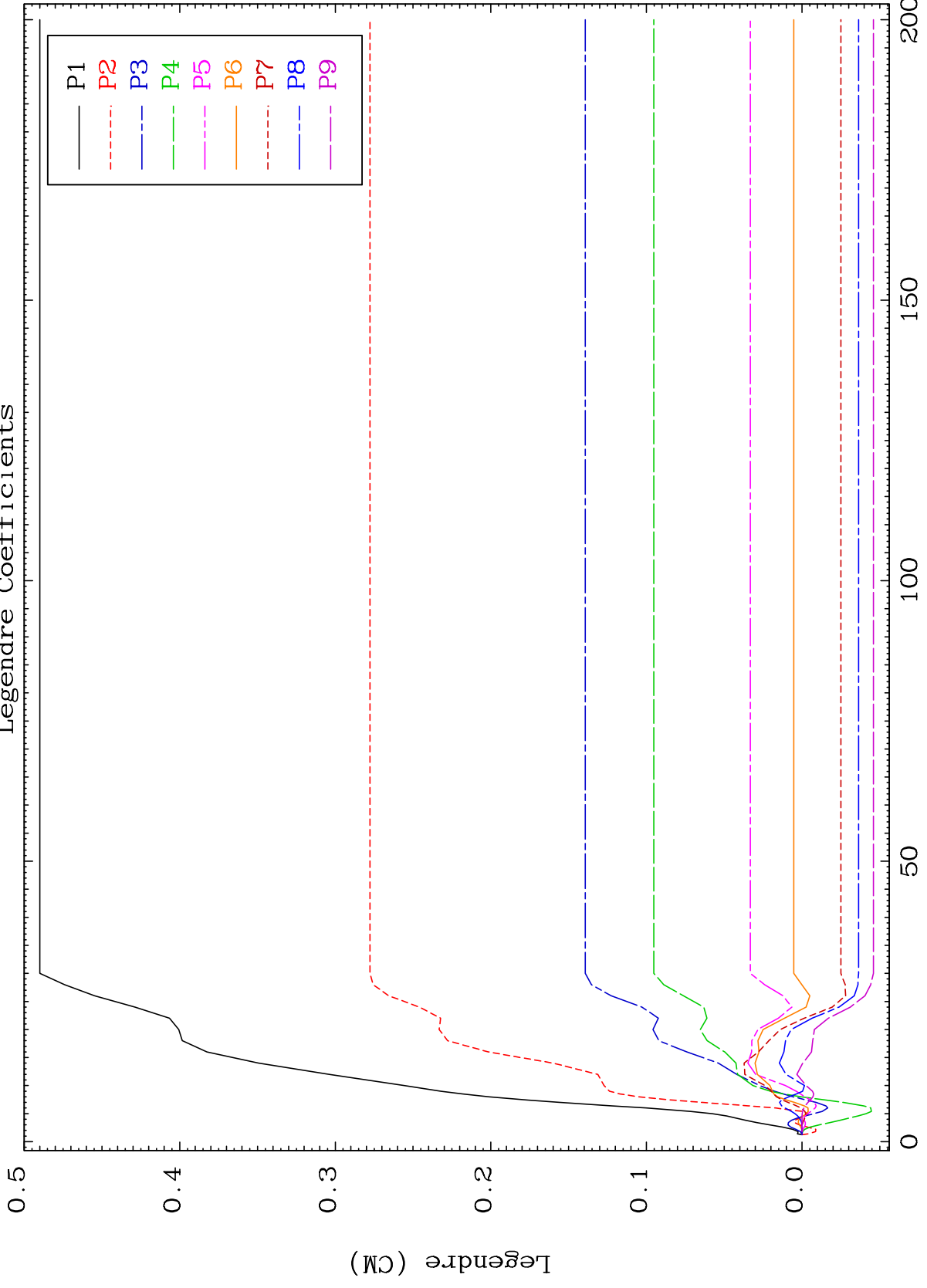


30

Incident Energy (MeV)

51-Sb-131

MAT 5155 MT= 54 (n,n') Level Legendre Coefficients 51-Sb-131

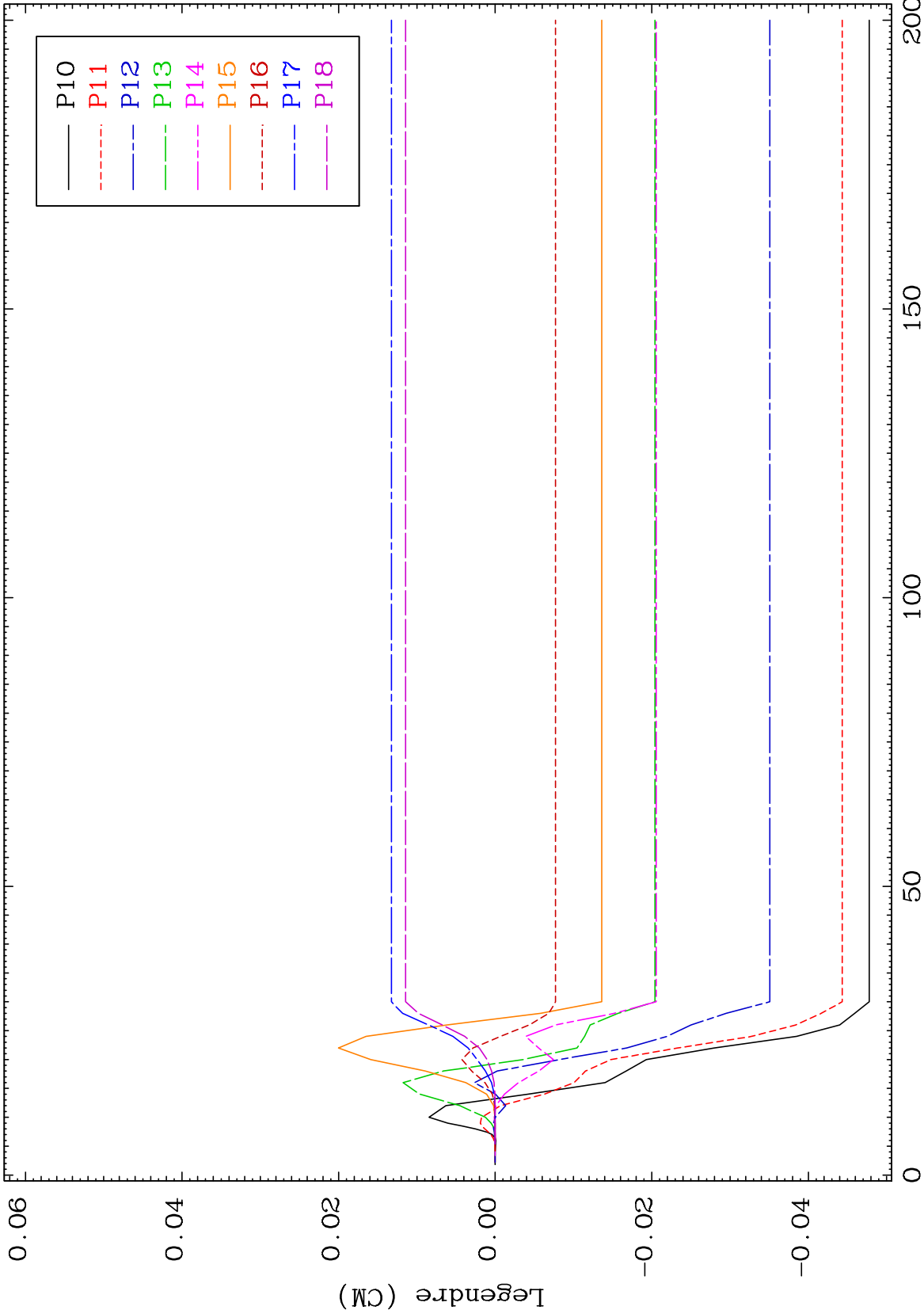


31 51-Sb-131

MAT 5155

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

51-Sb-131



32

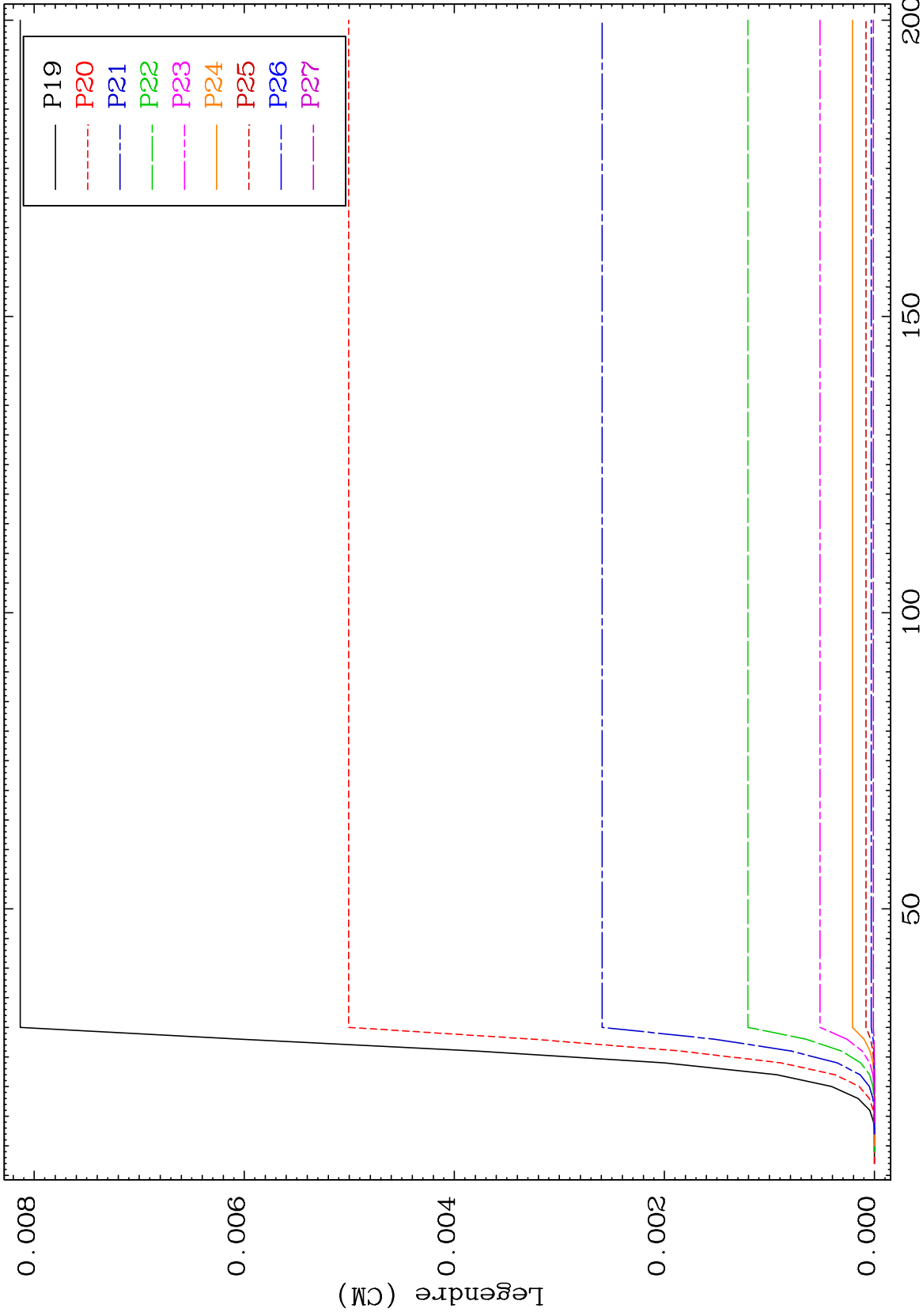
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



33

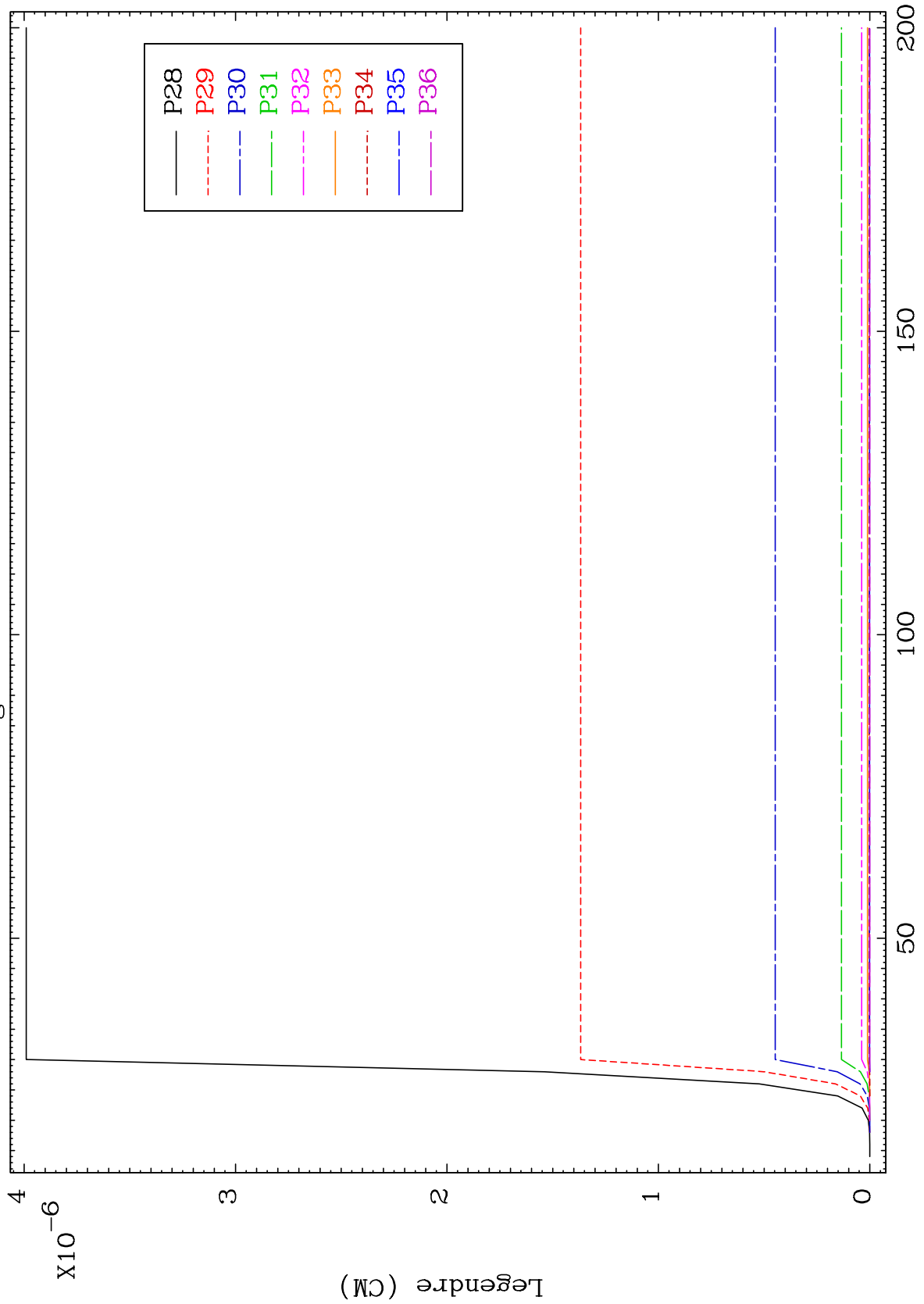
Incident Energy (MeV)

51-Sb-131

MAT 5155

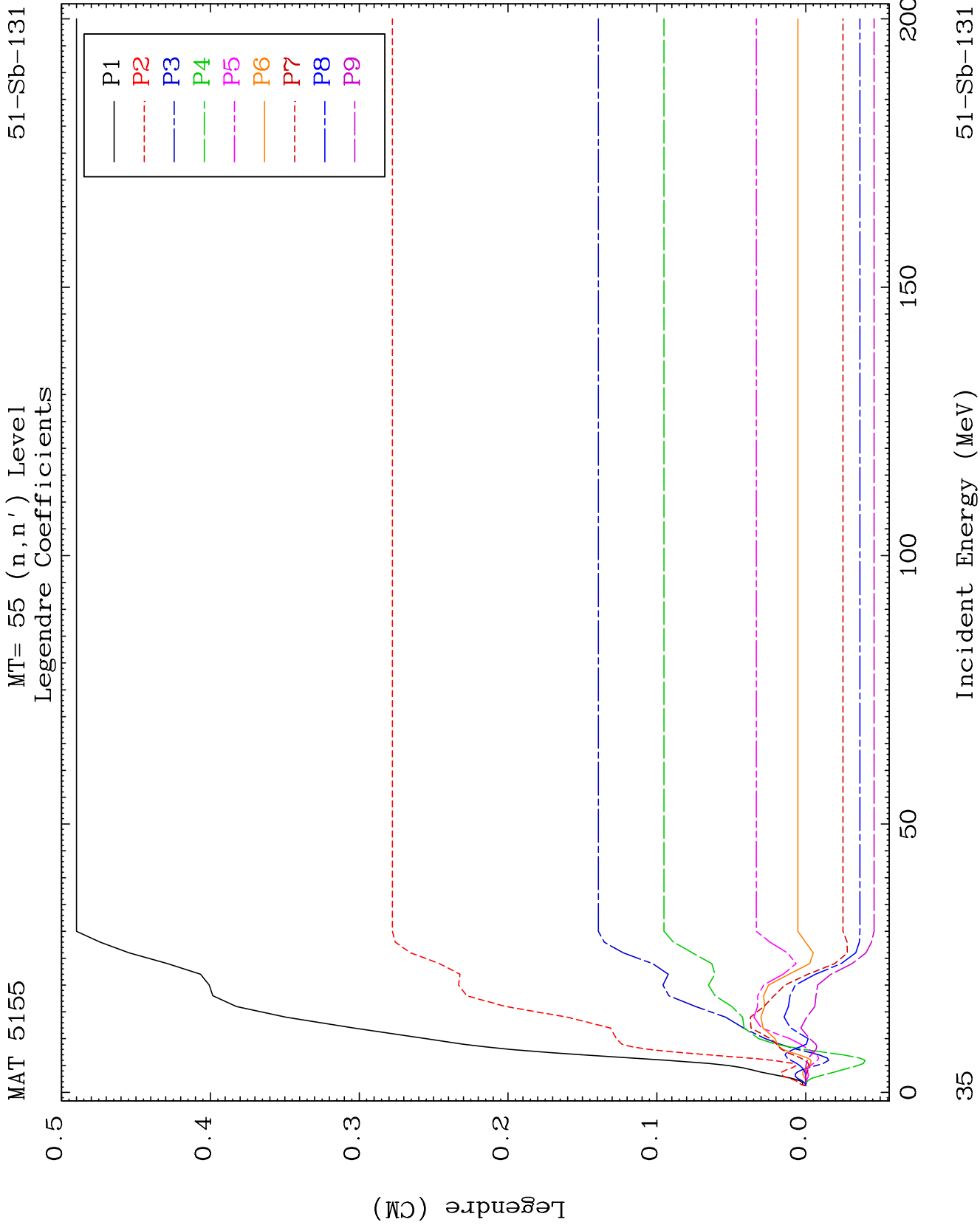
MT= 54 (n,n') Level
Legendre Coefficients

51-Sb-131



34

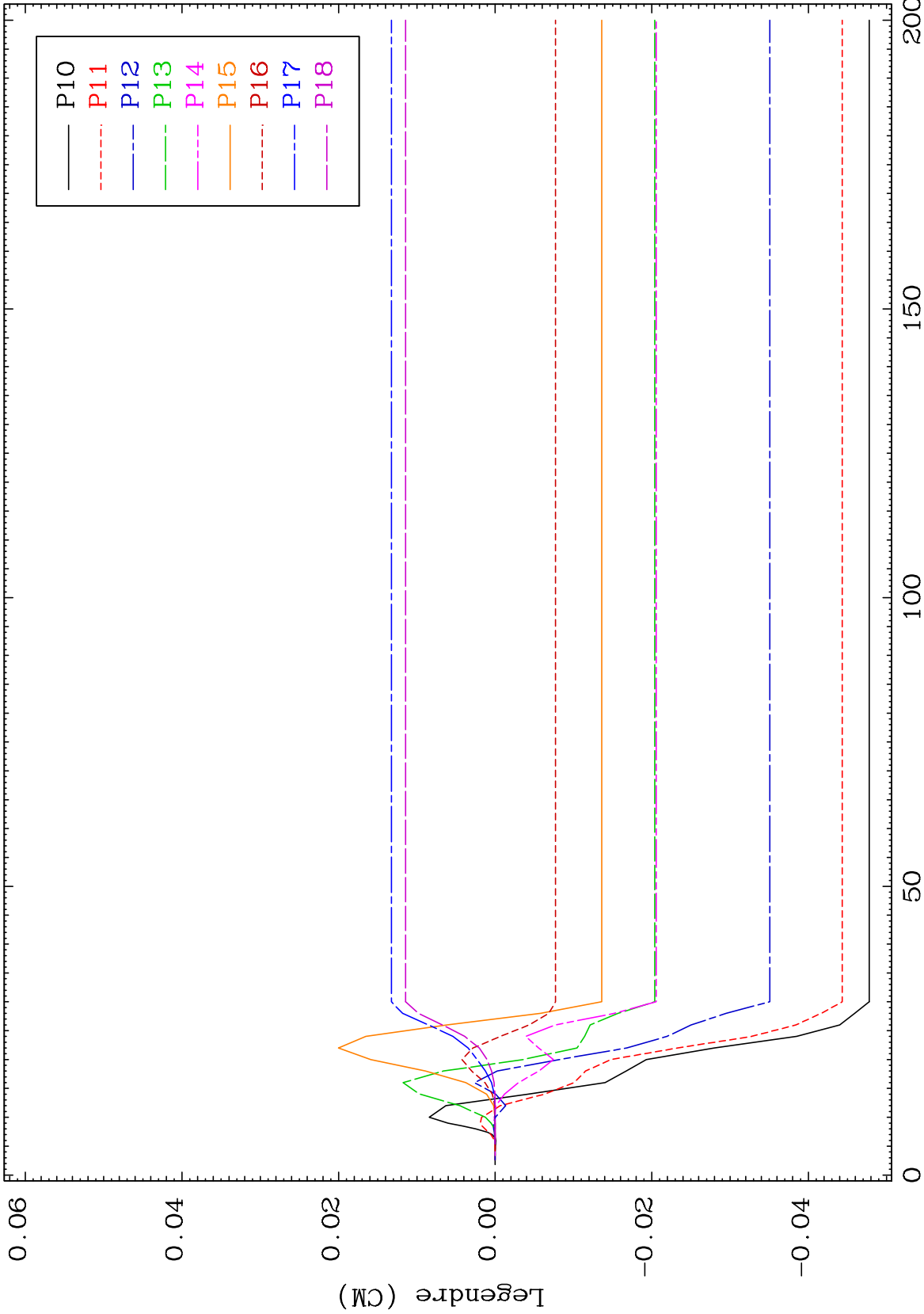
51-Sb-131



MAT 5155

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

51-Sb-131



36

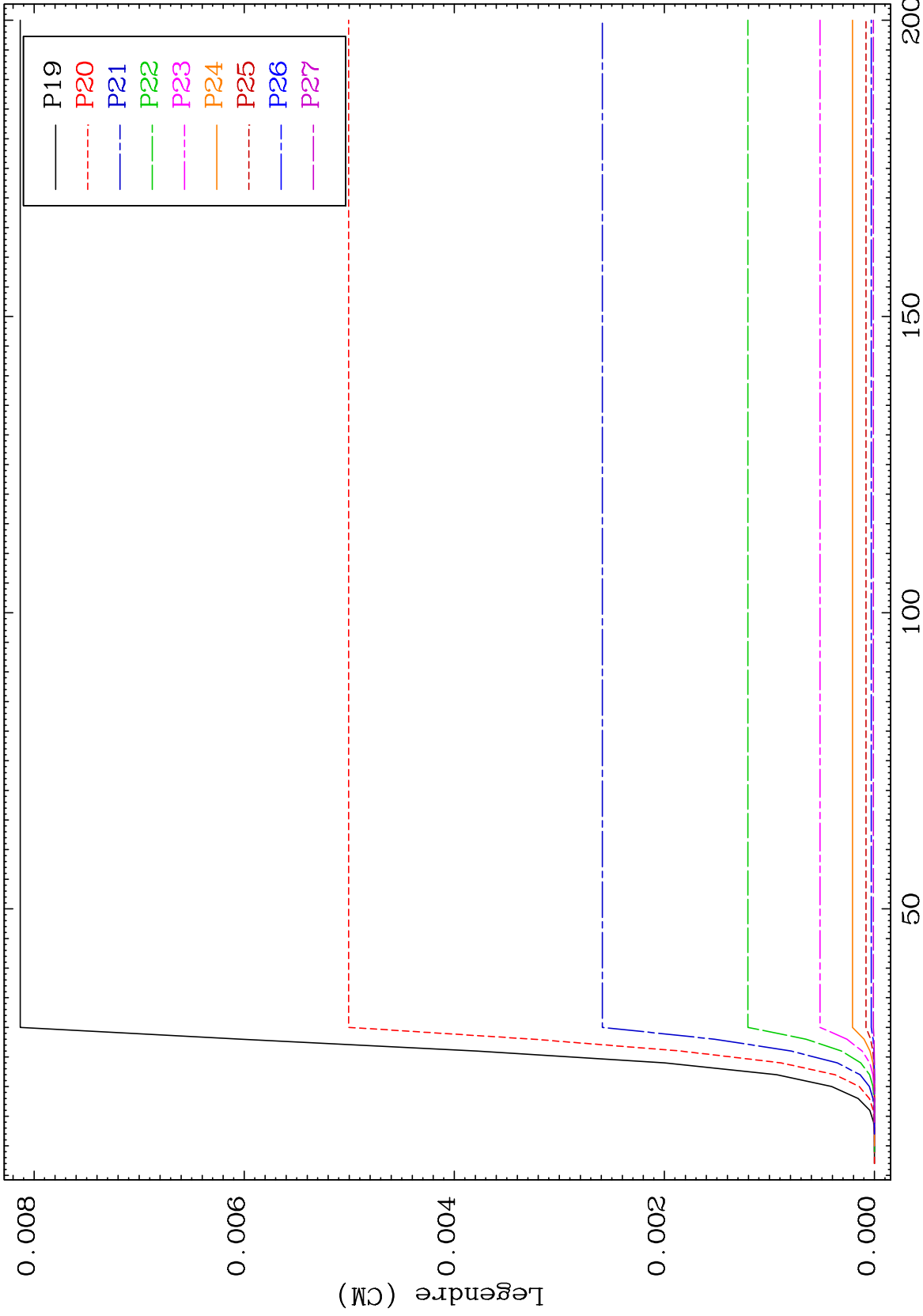
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



37

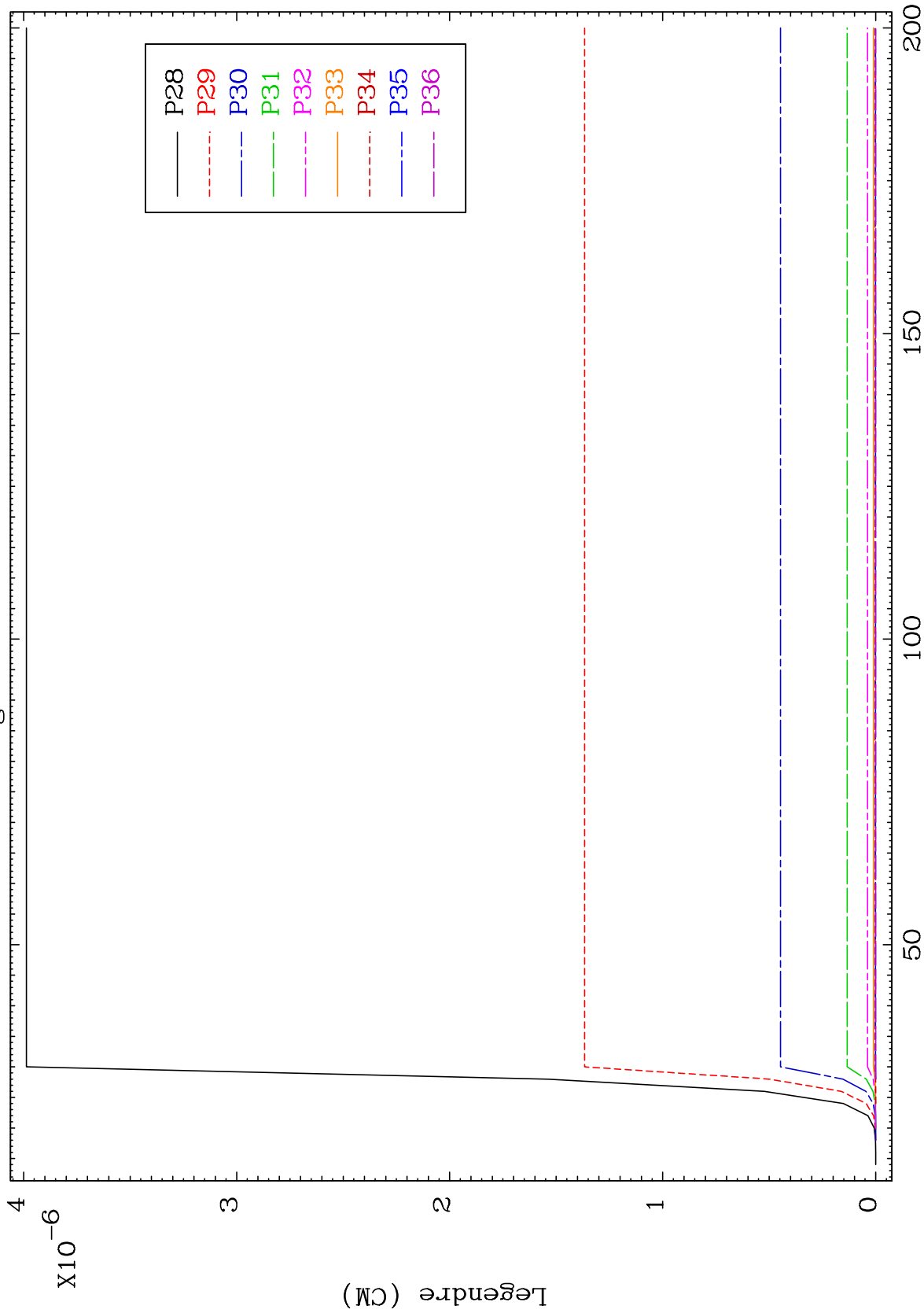
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



38

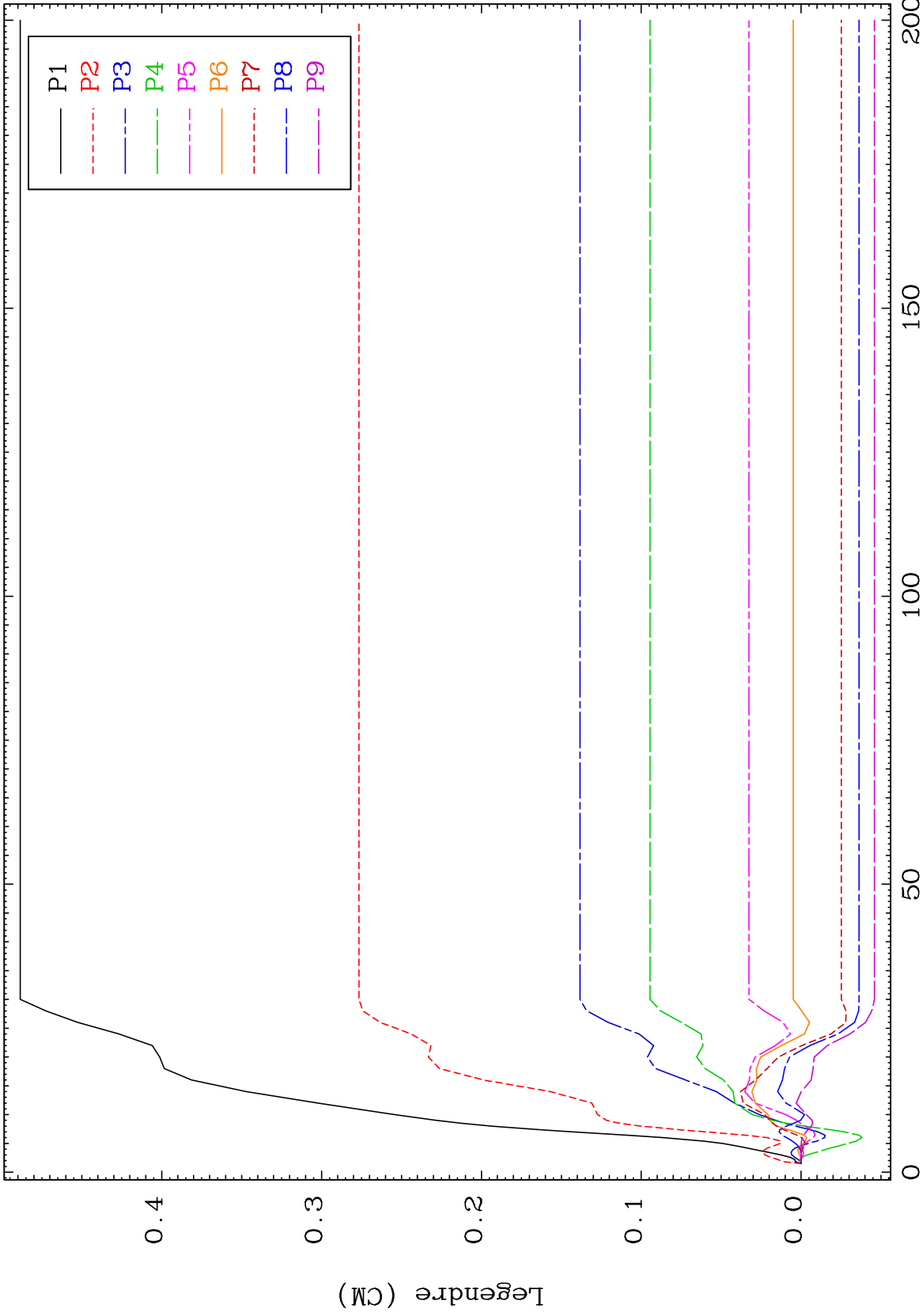
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



39

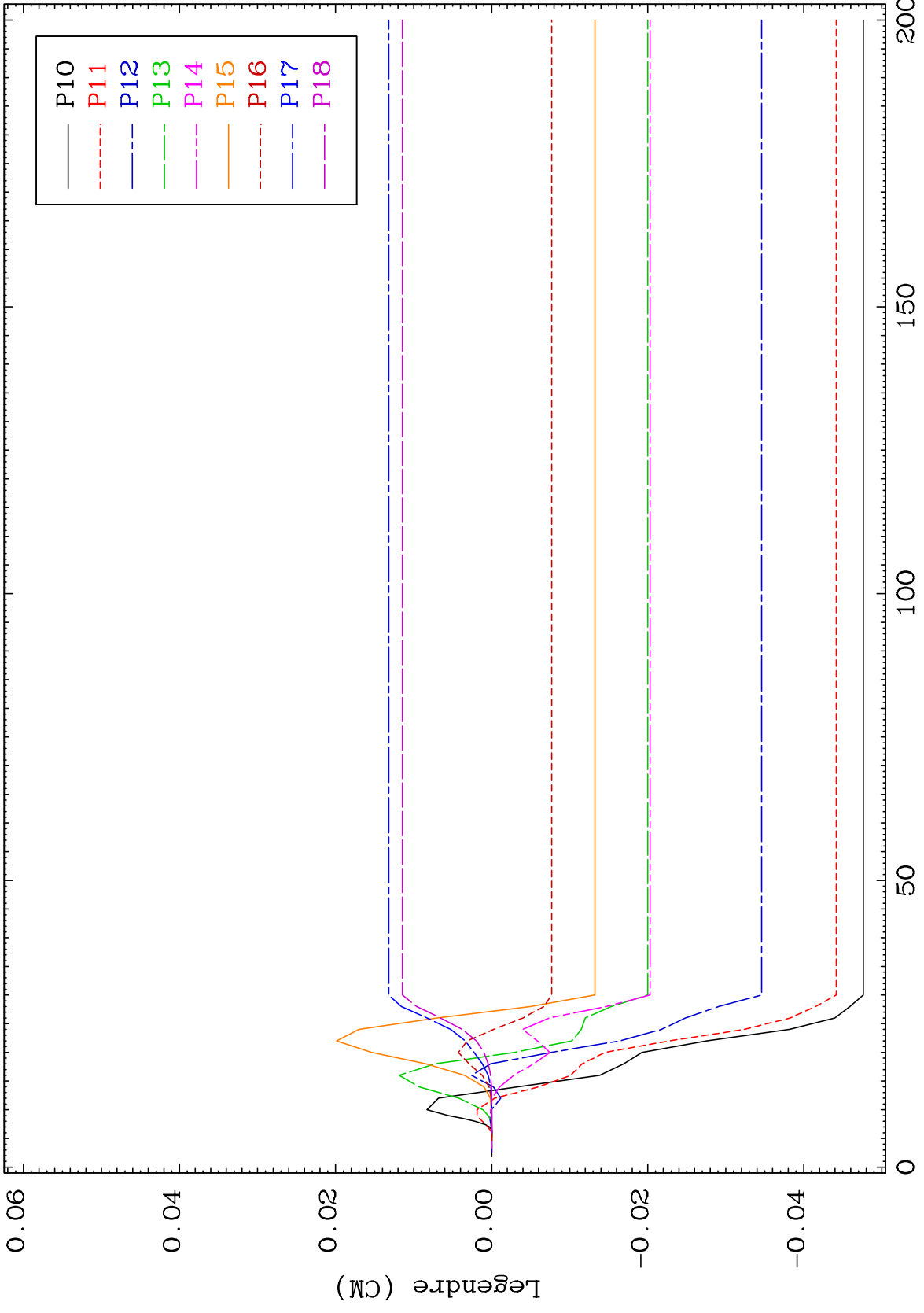
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



40

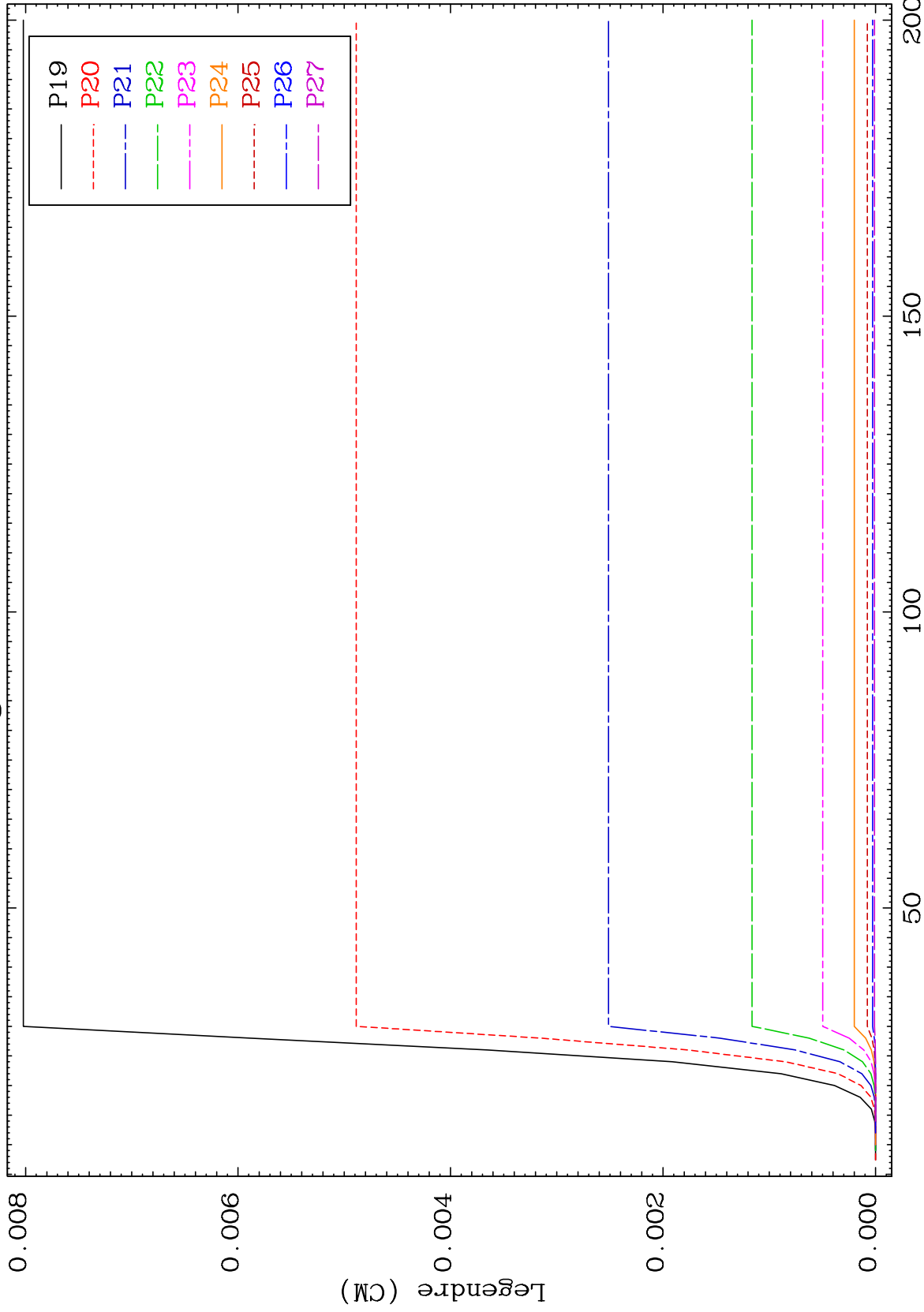
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



41

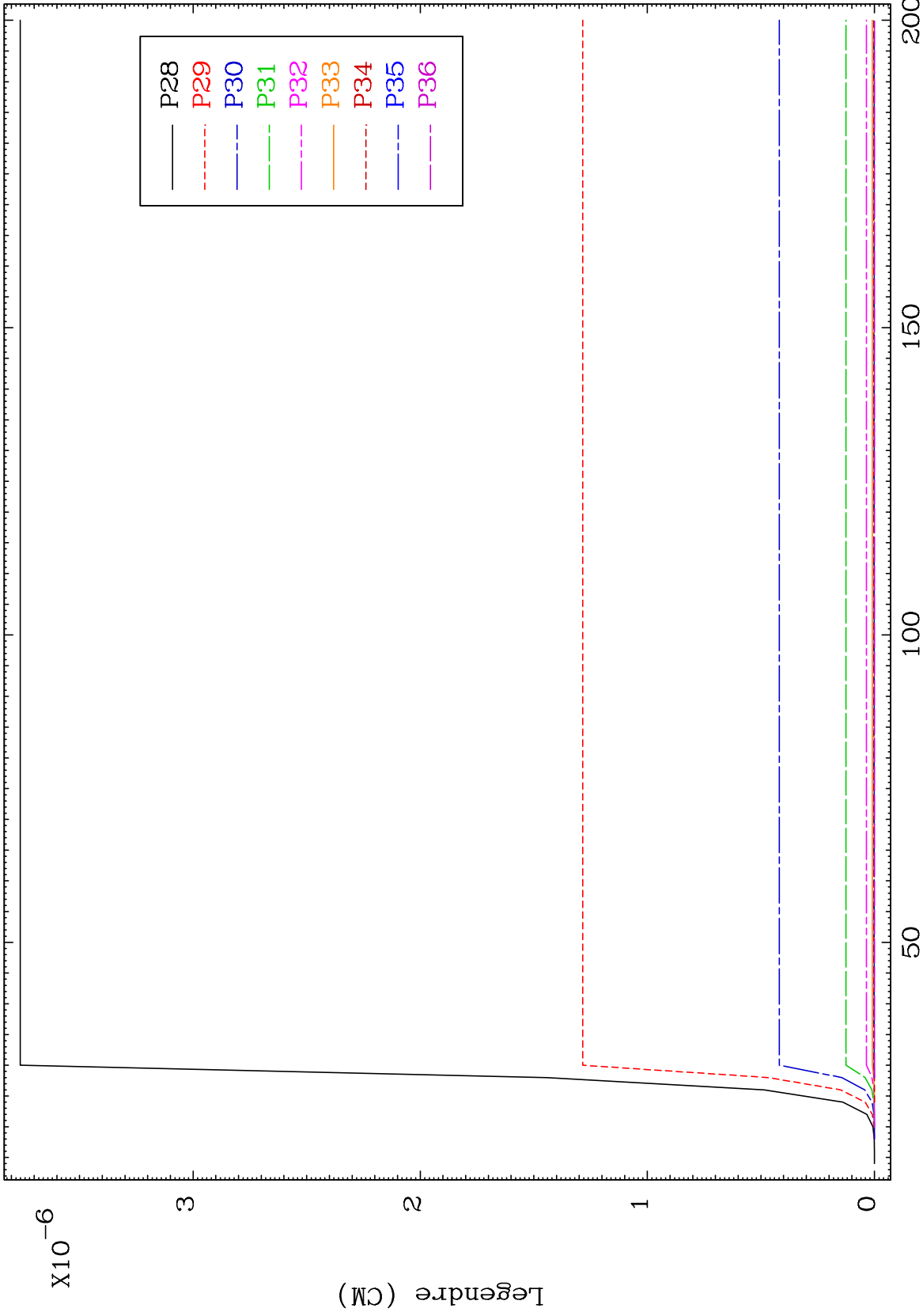
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



42

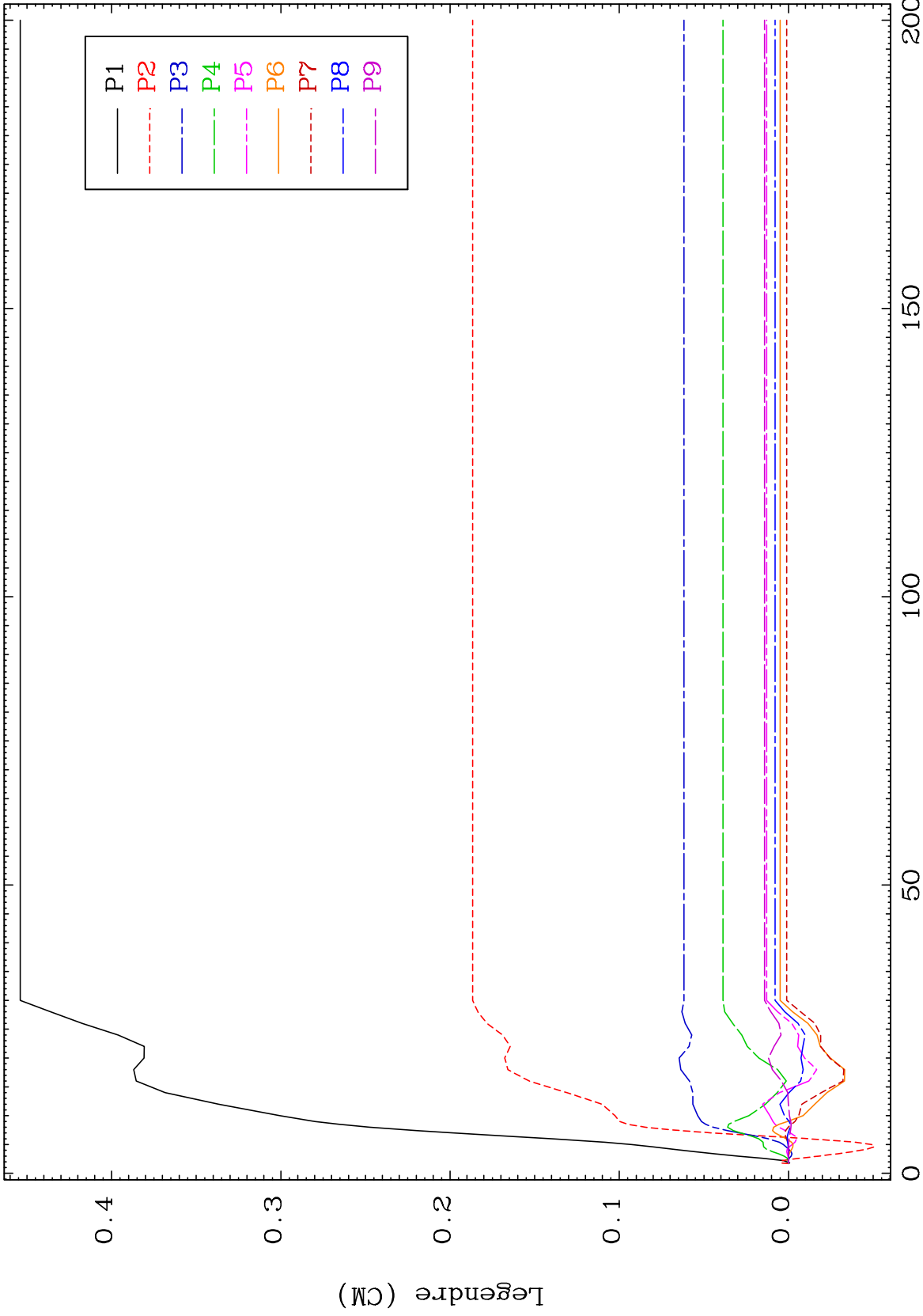
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



43

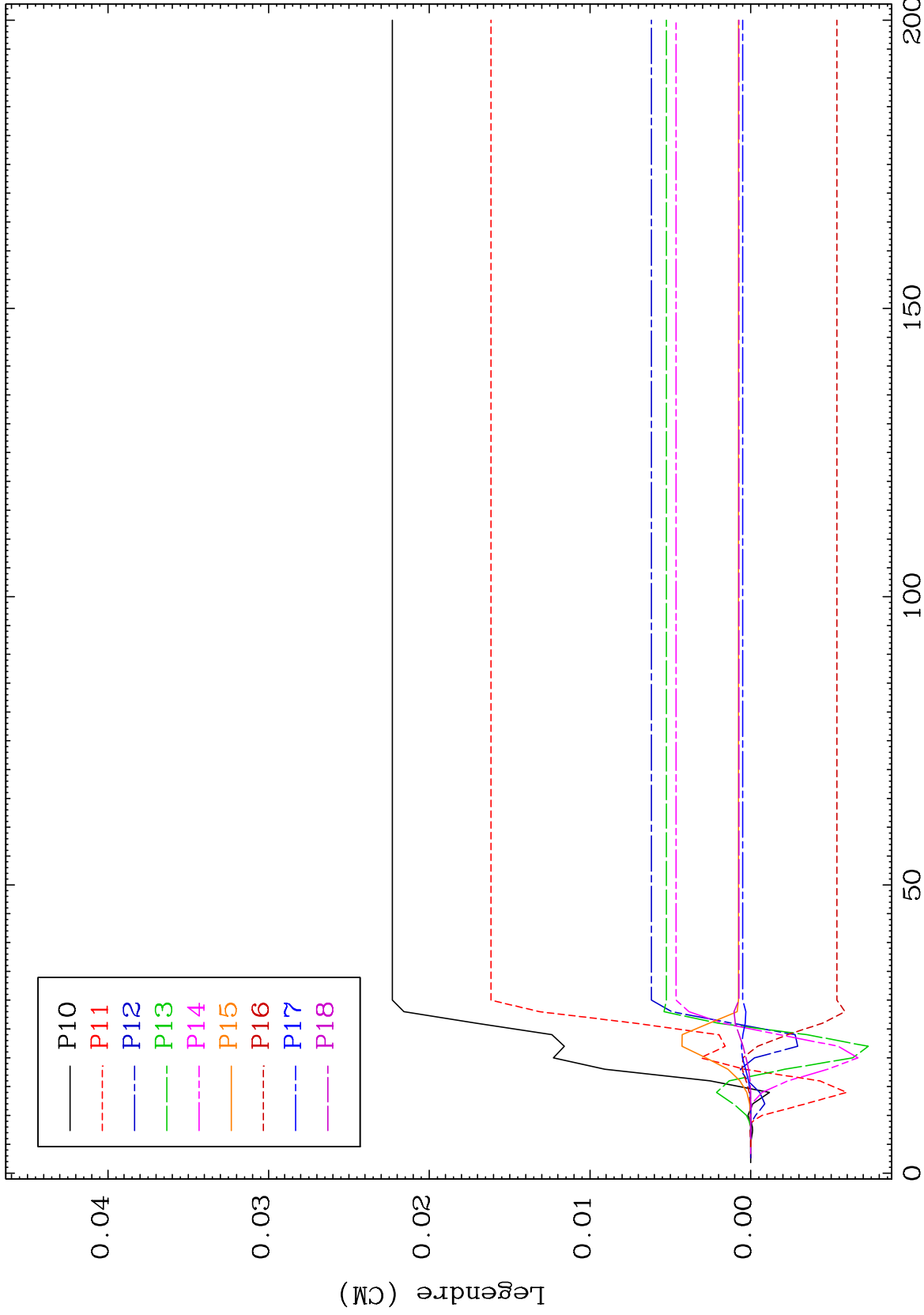
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



44

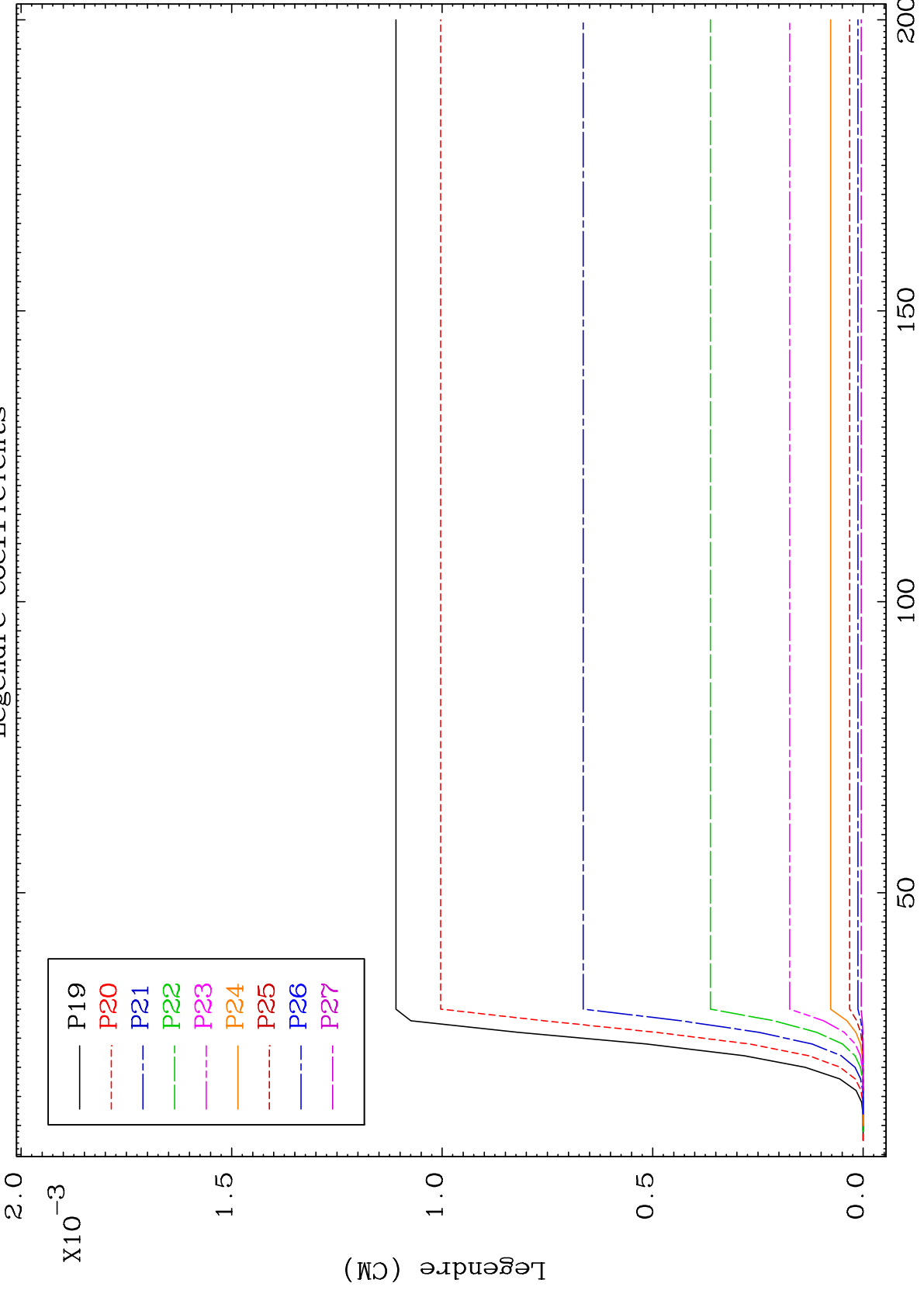
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



45

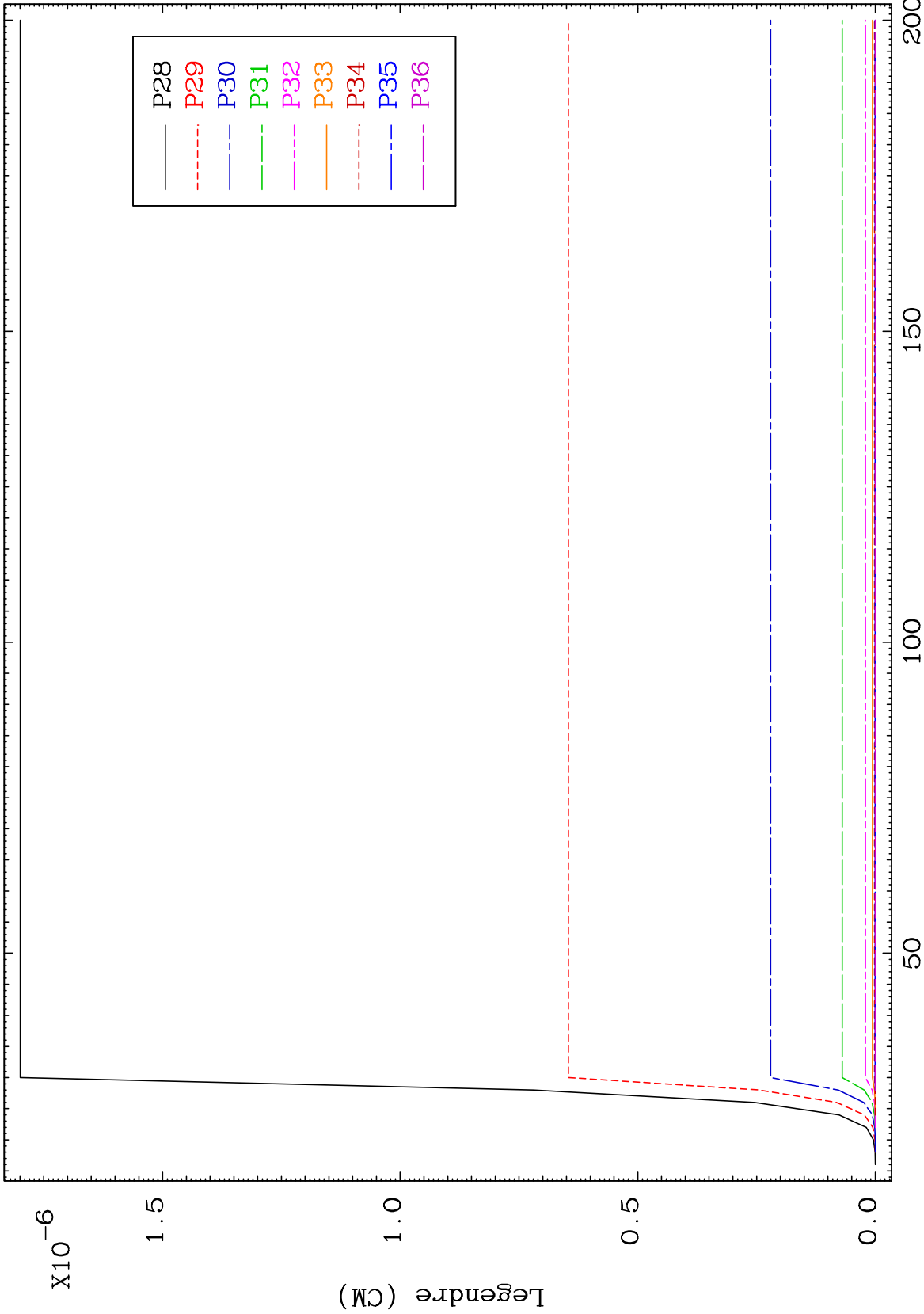
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



46

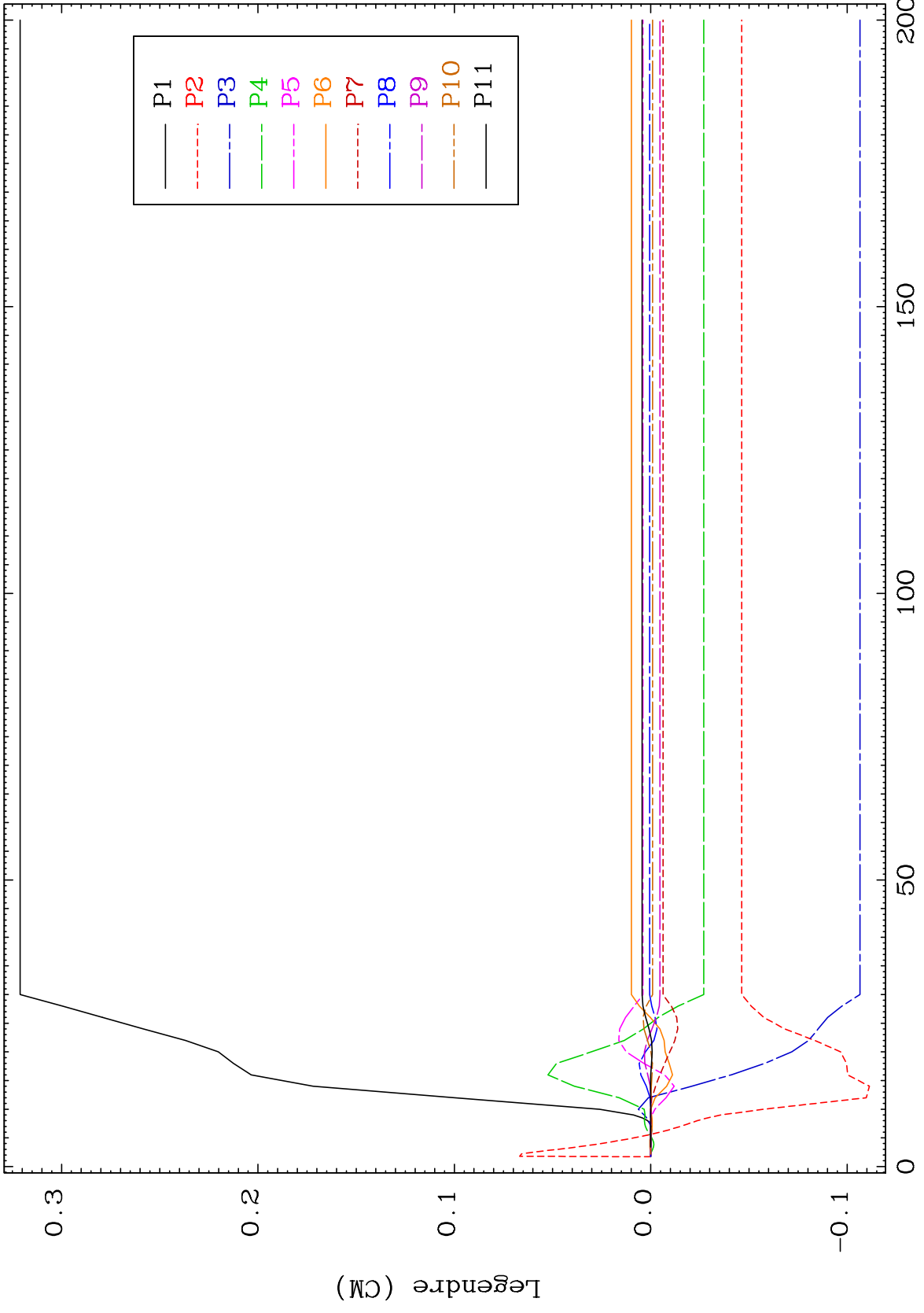
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



47

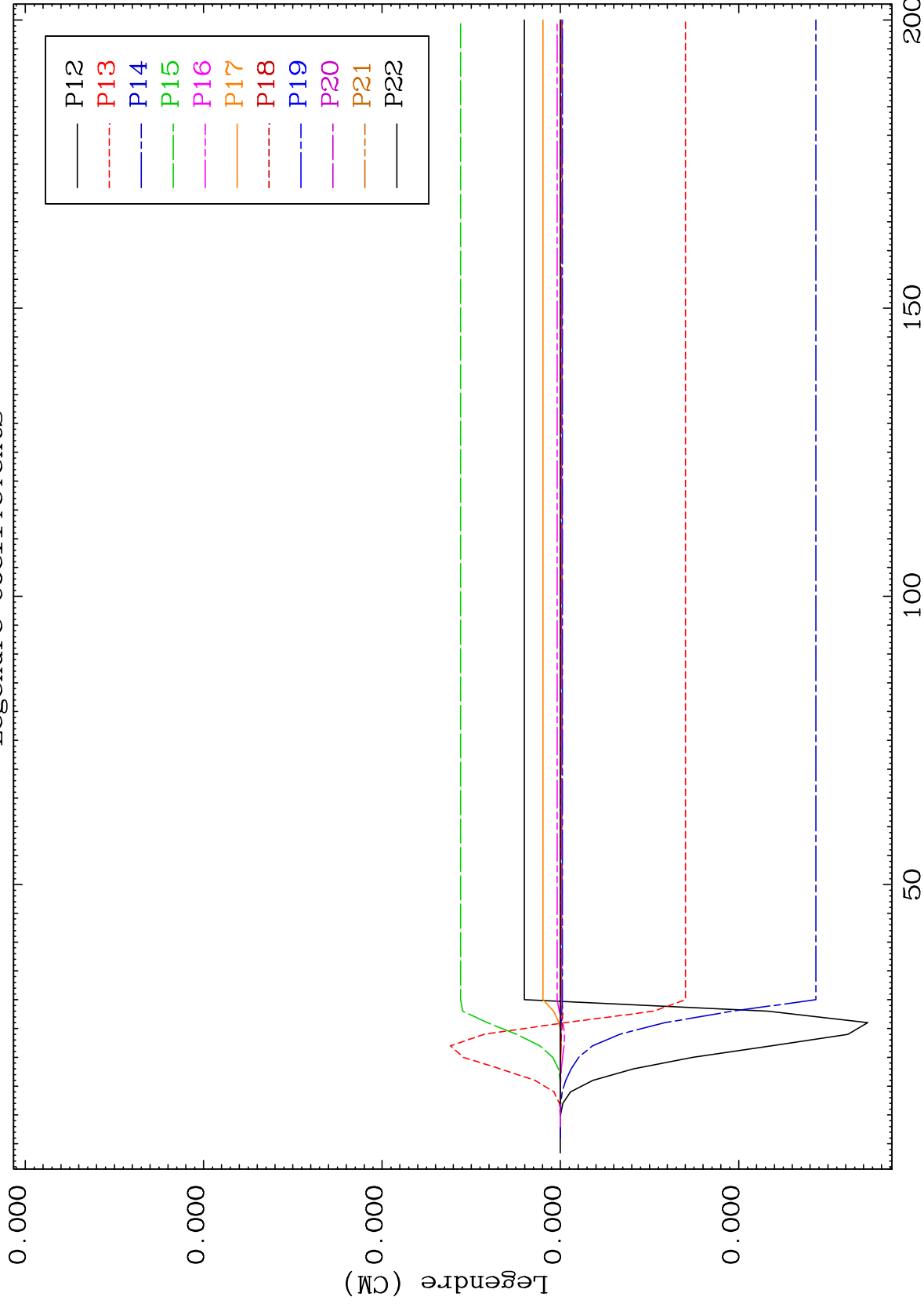
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



48

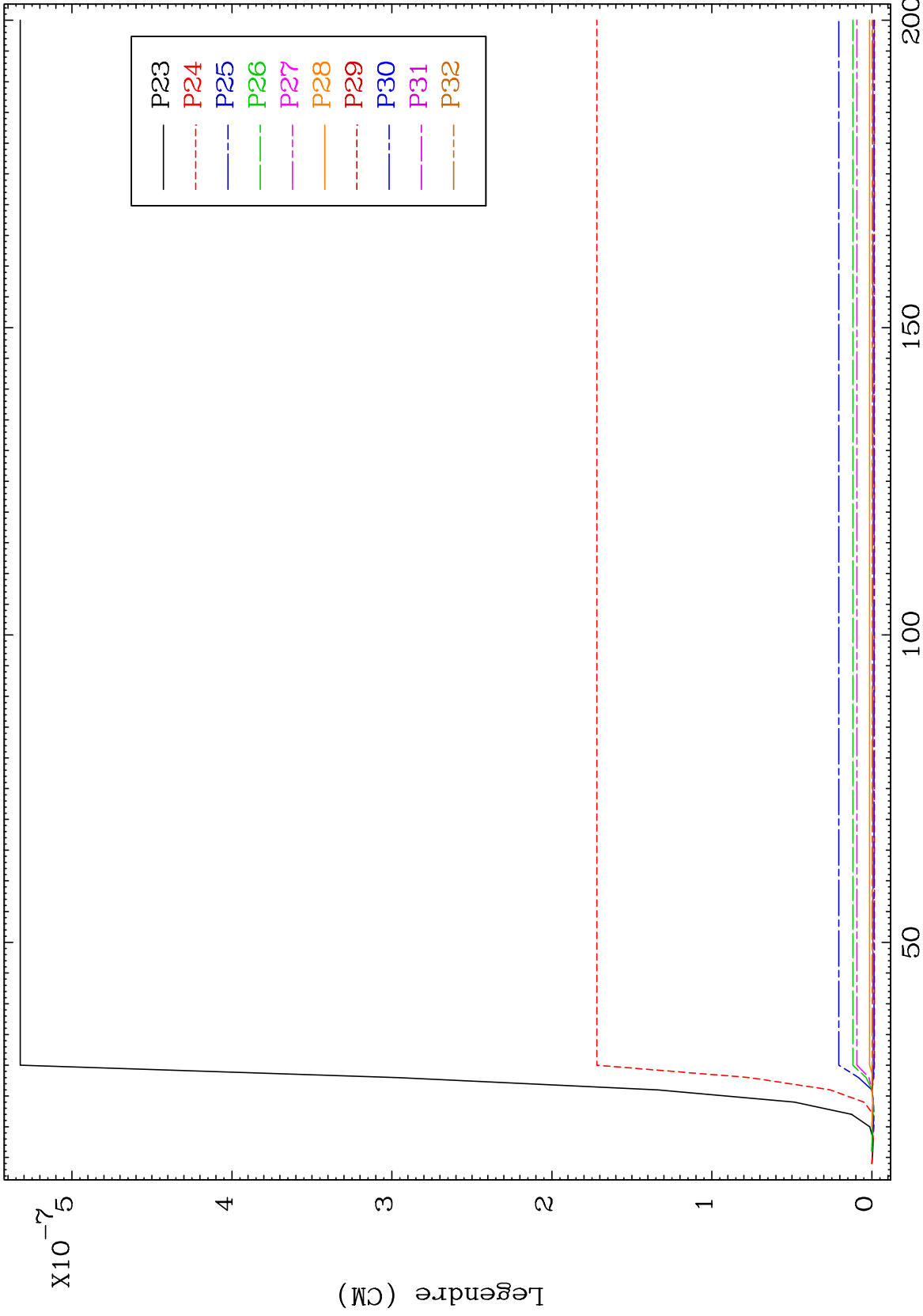
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



49

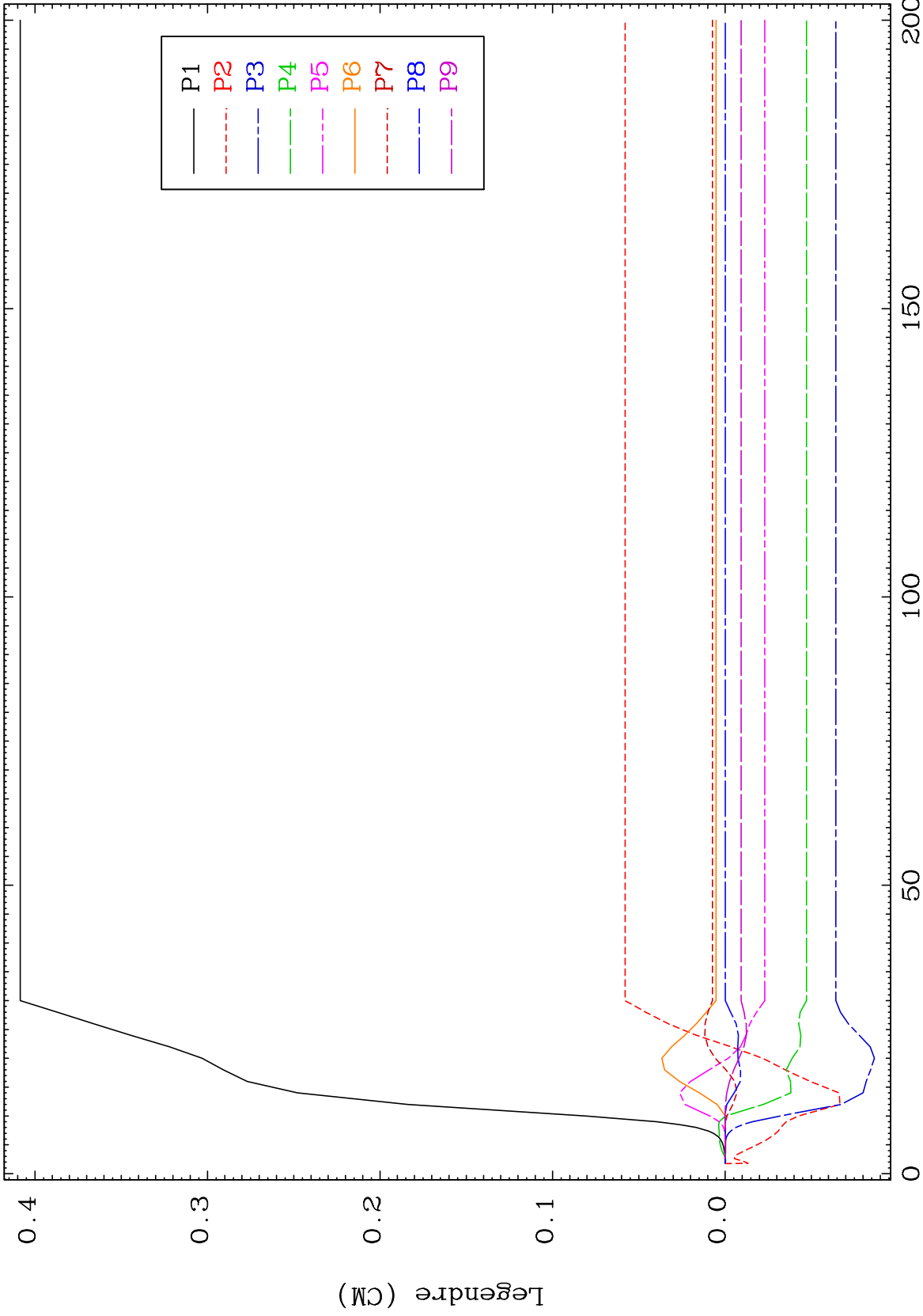
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



51-Sb-131

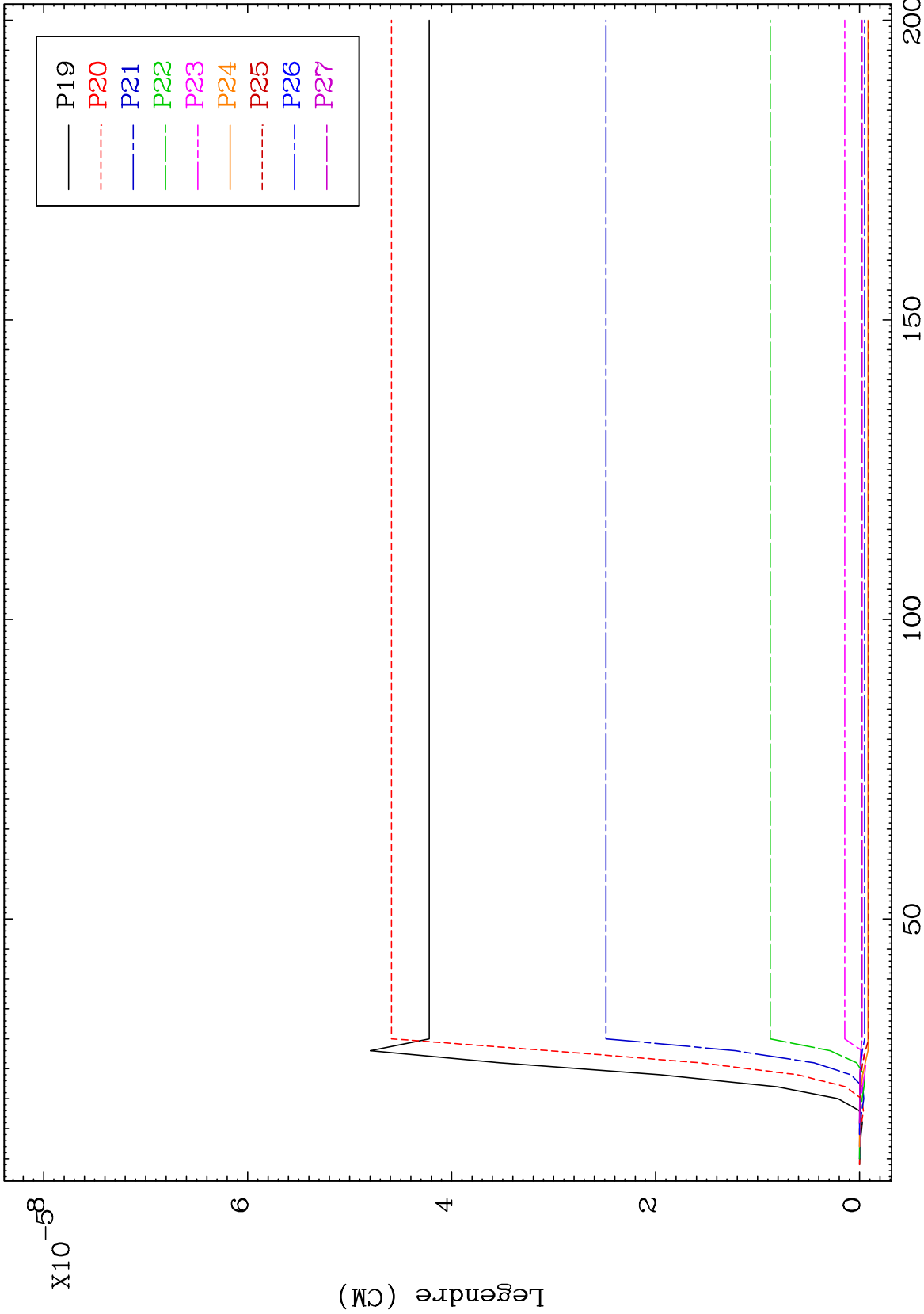
Incident Energy (MeV)

50

MAT 5155

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

51-Sb-131

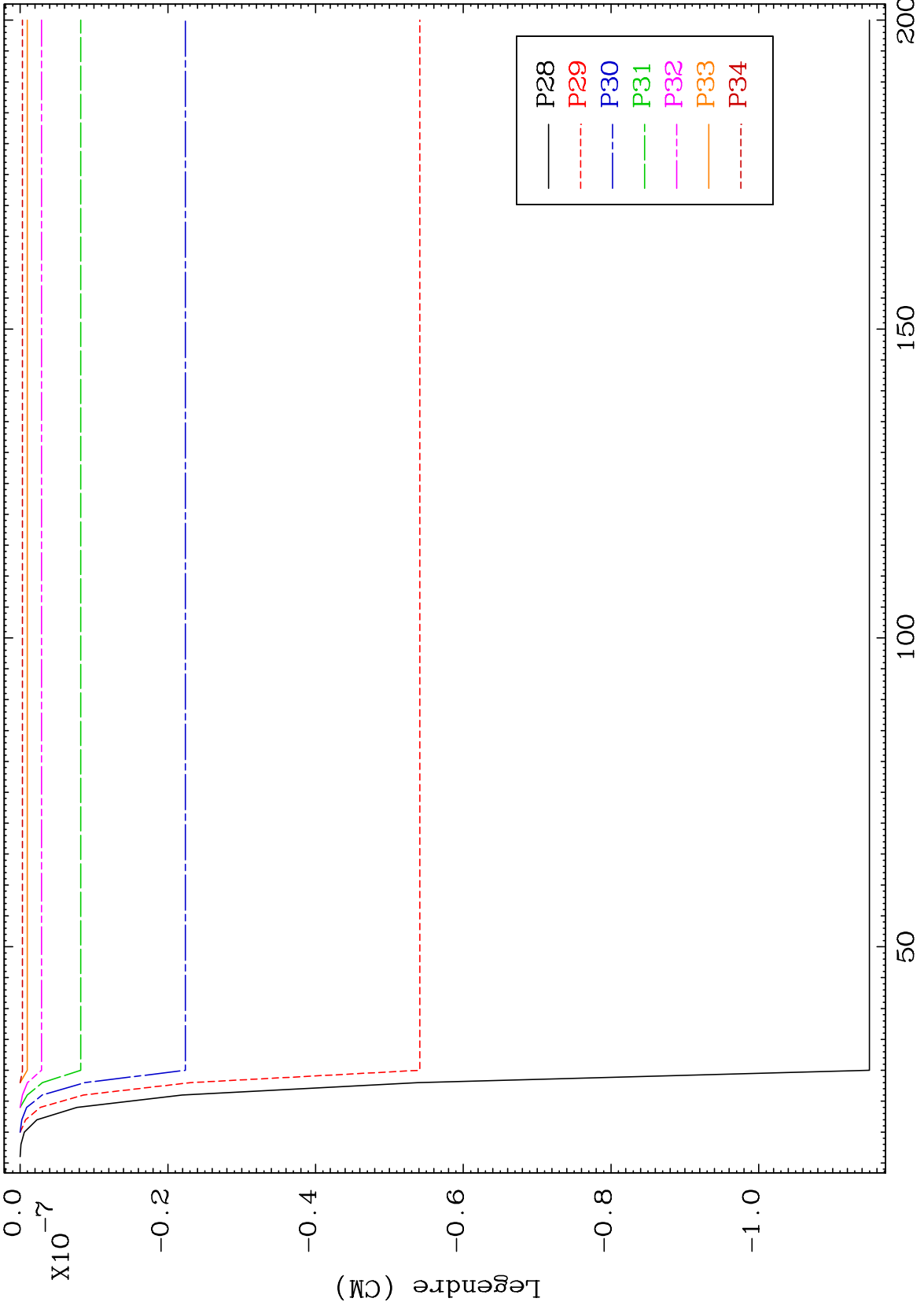


52

Incident Energy (MeV)

51-Sb-131

MAT 5155 MT= 59 (n,n') Level Legendre Coefficients 51-Sb-131

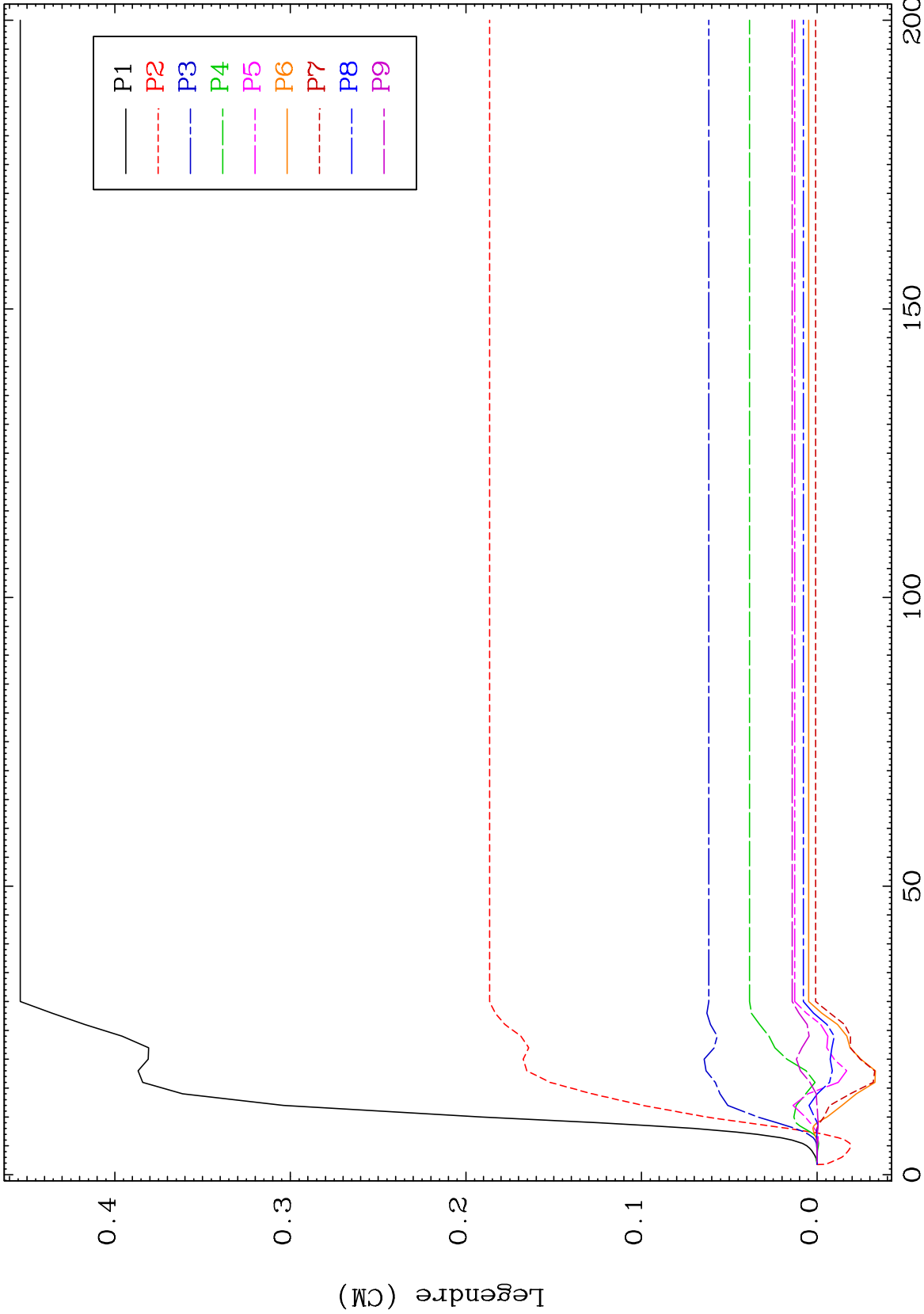


53 51-Sb-131

MAT 5155

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

51-Sb-131



54

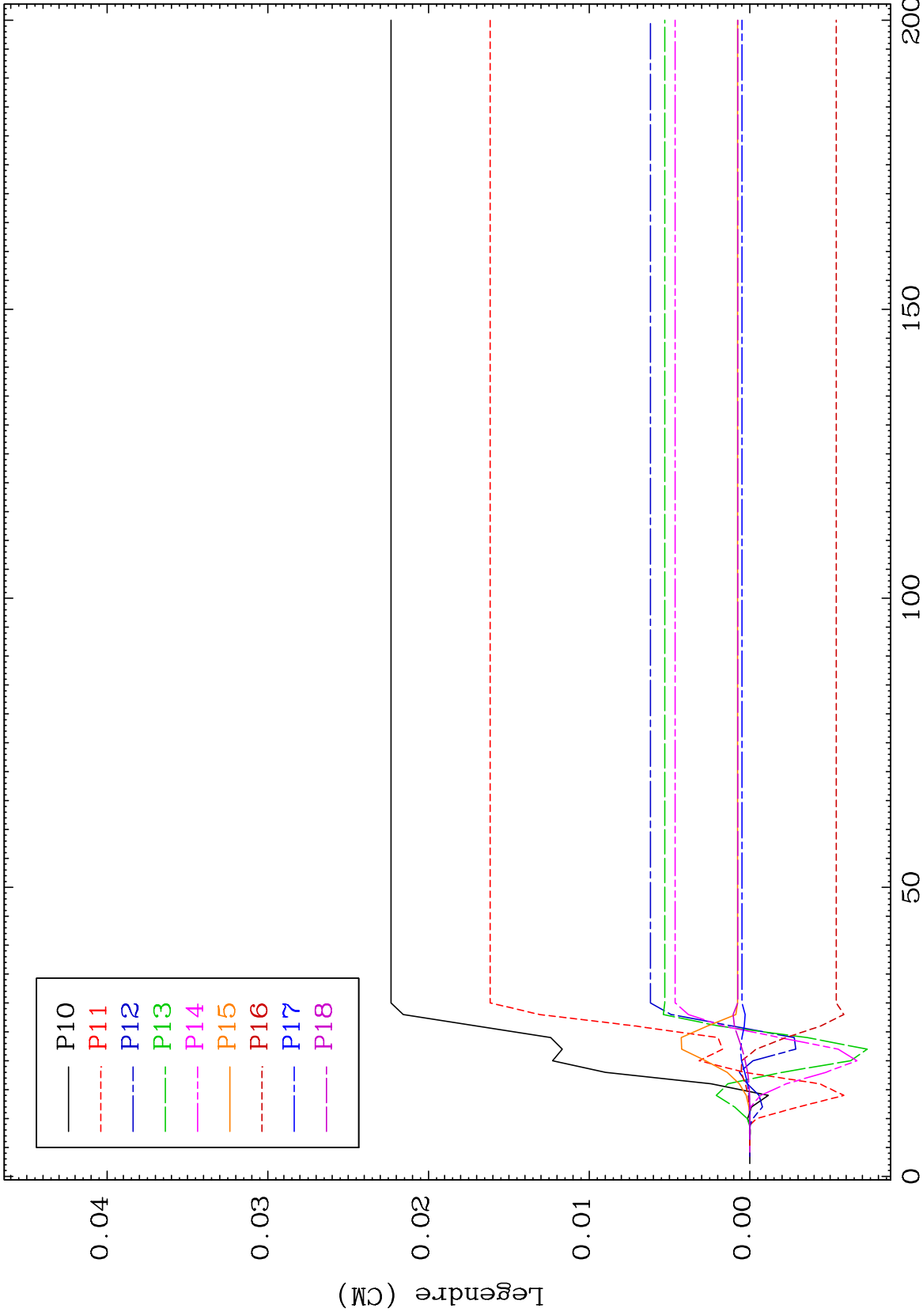
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



55

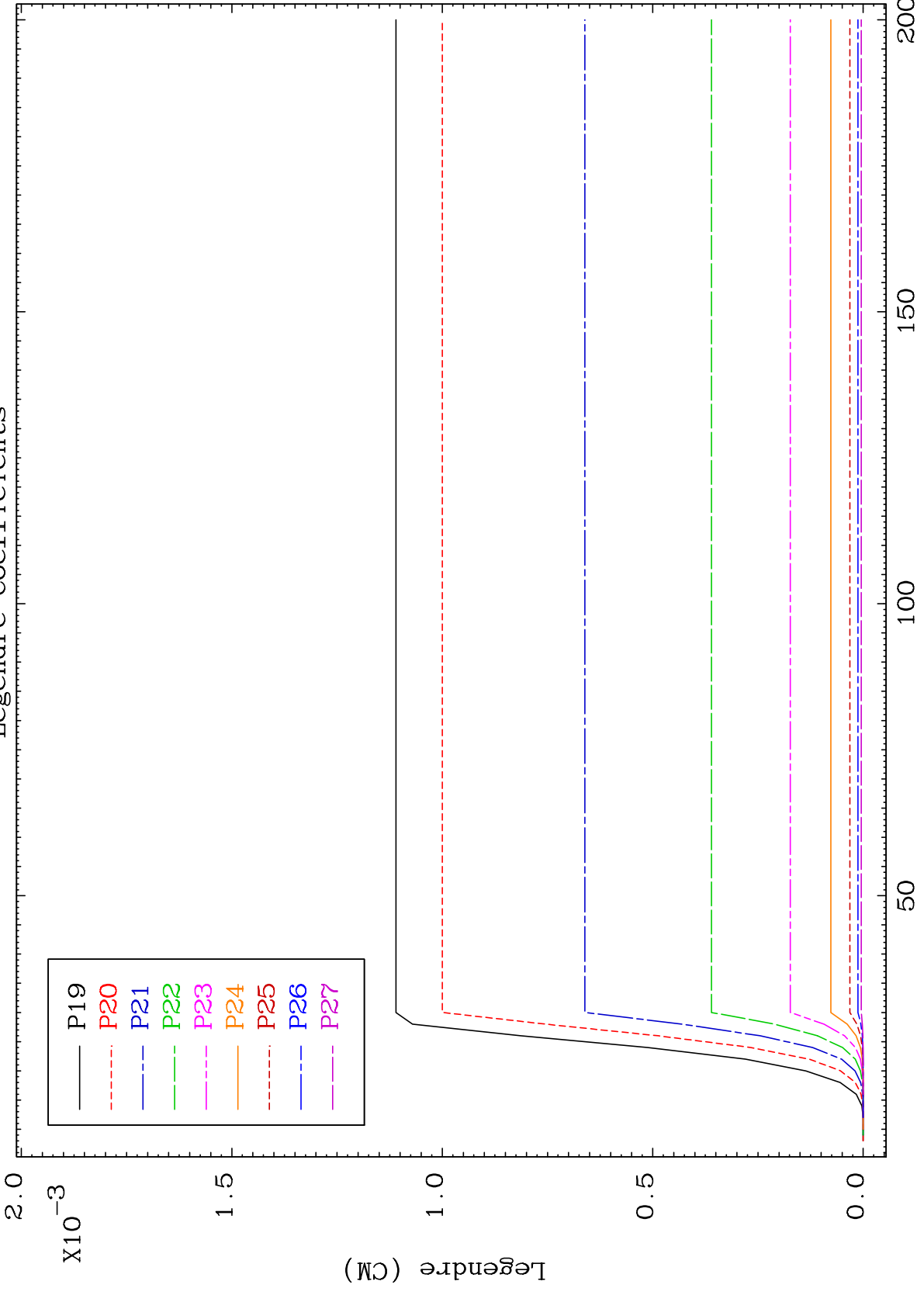
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



56

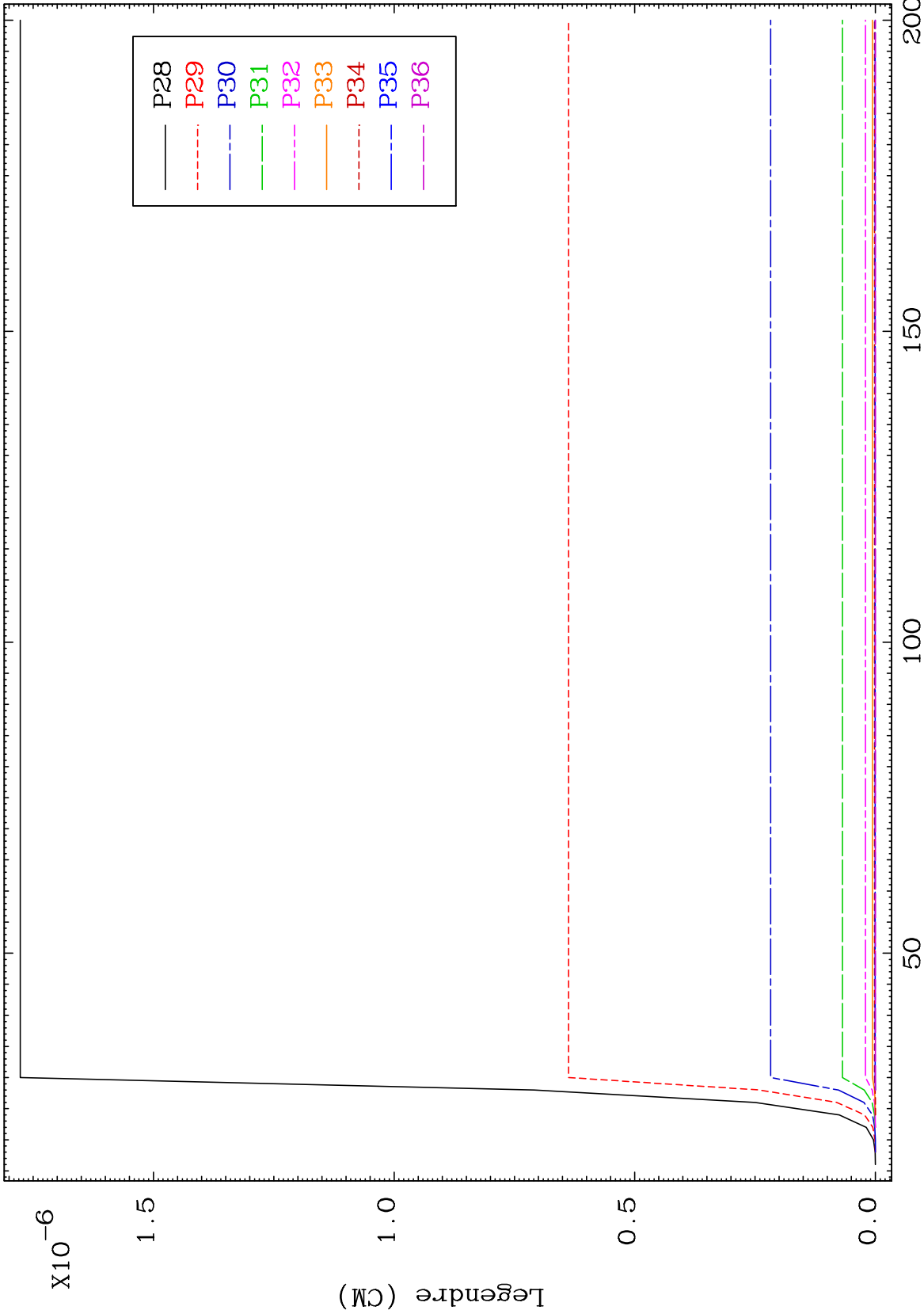
51-Sb-131

200

MAT 5155

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

51-Sb-131



57

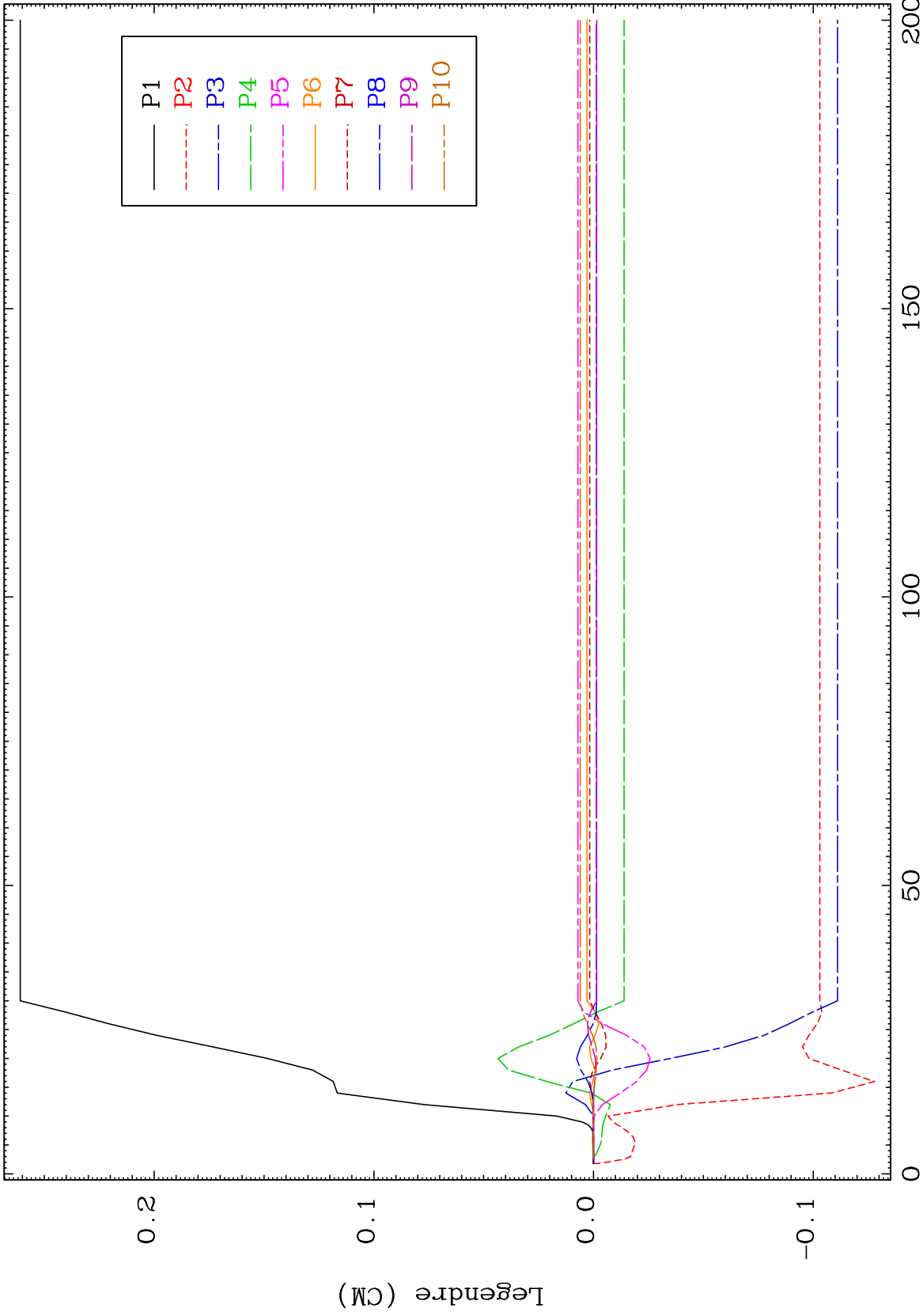
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



58

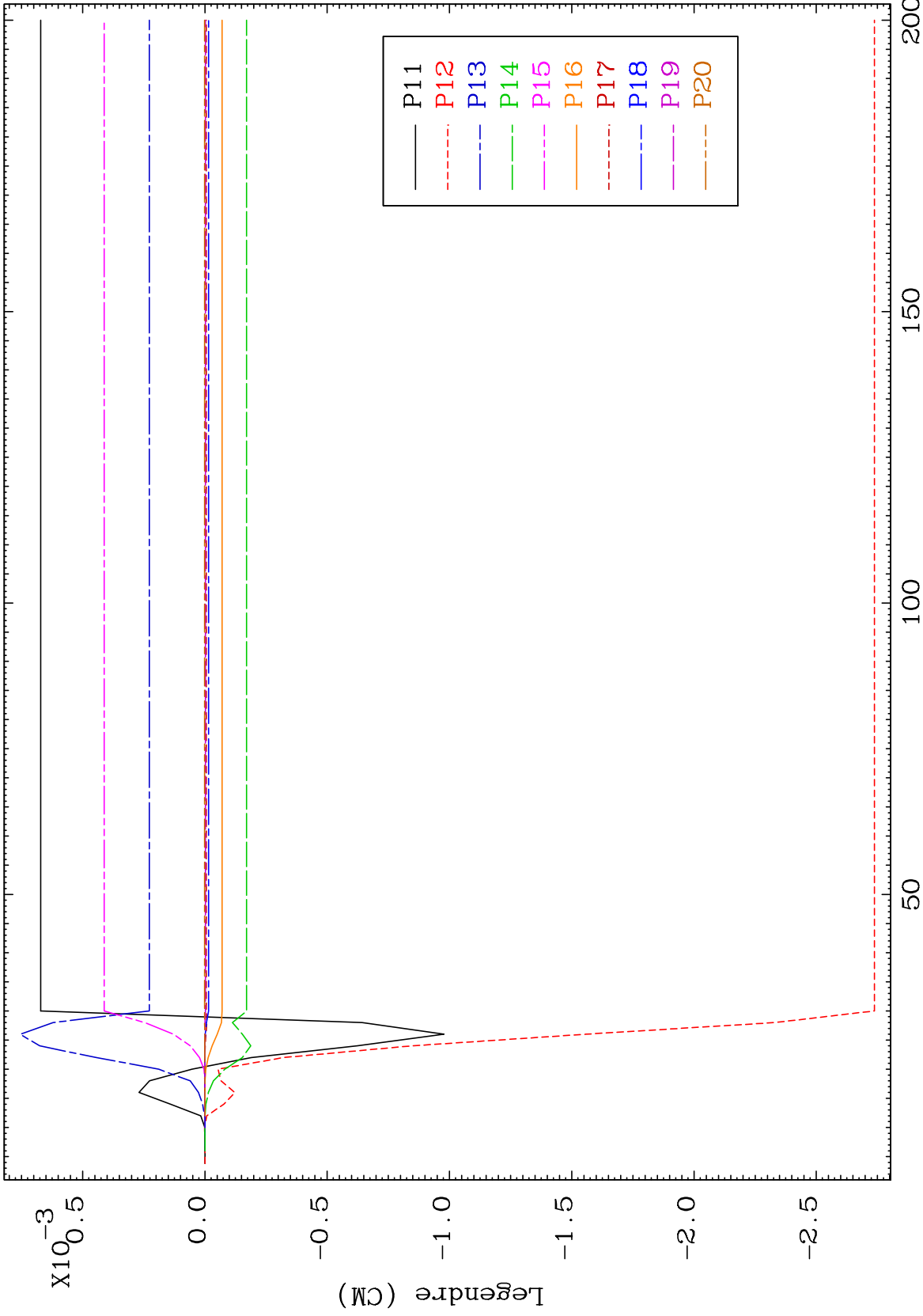
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



59

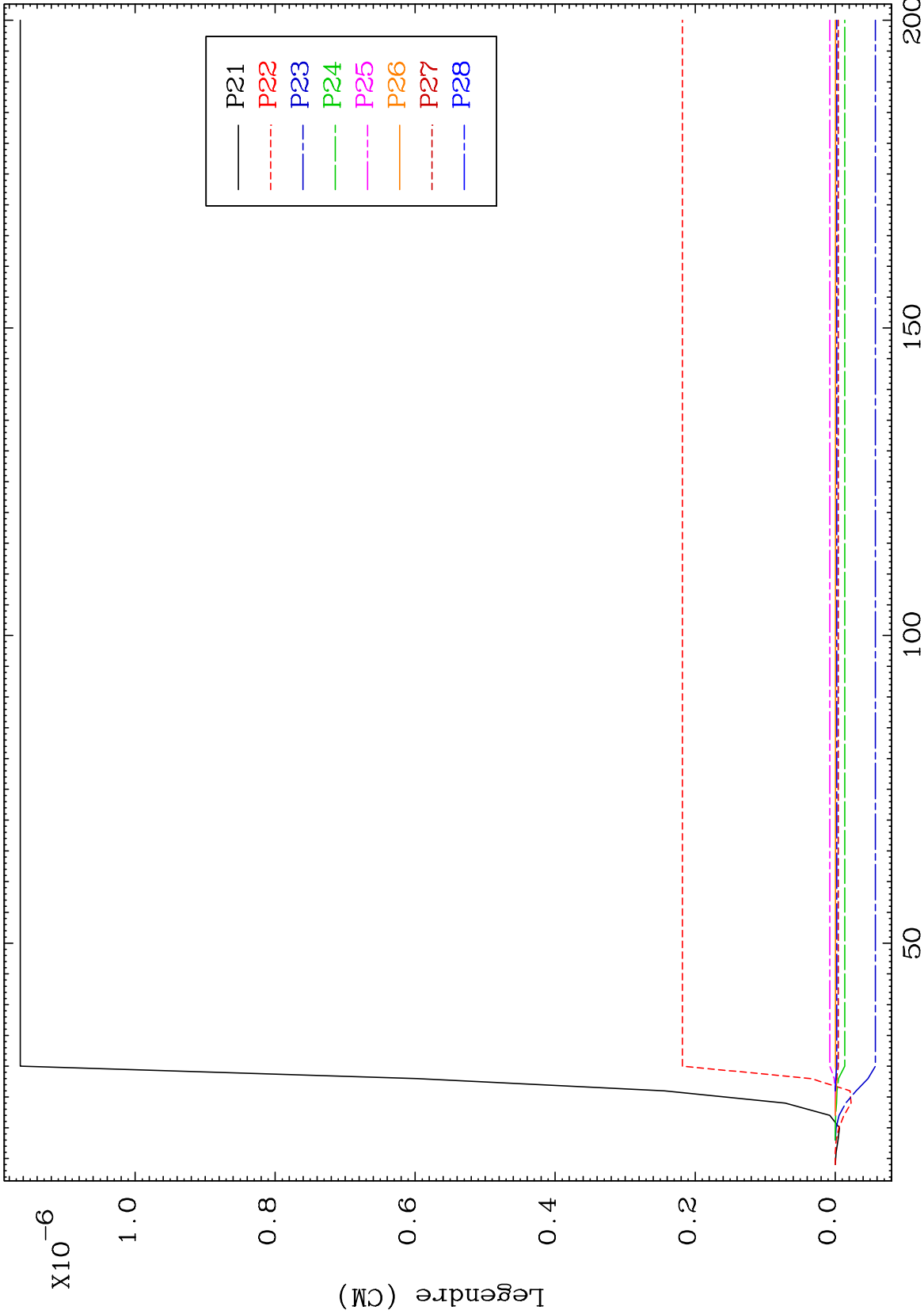
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



60

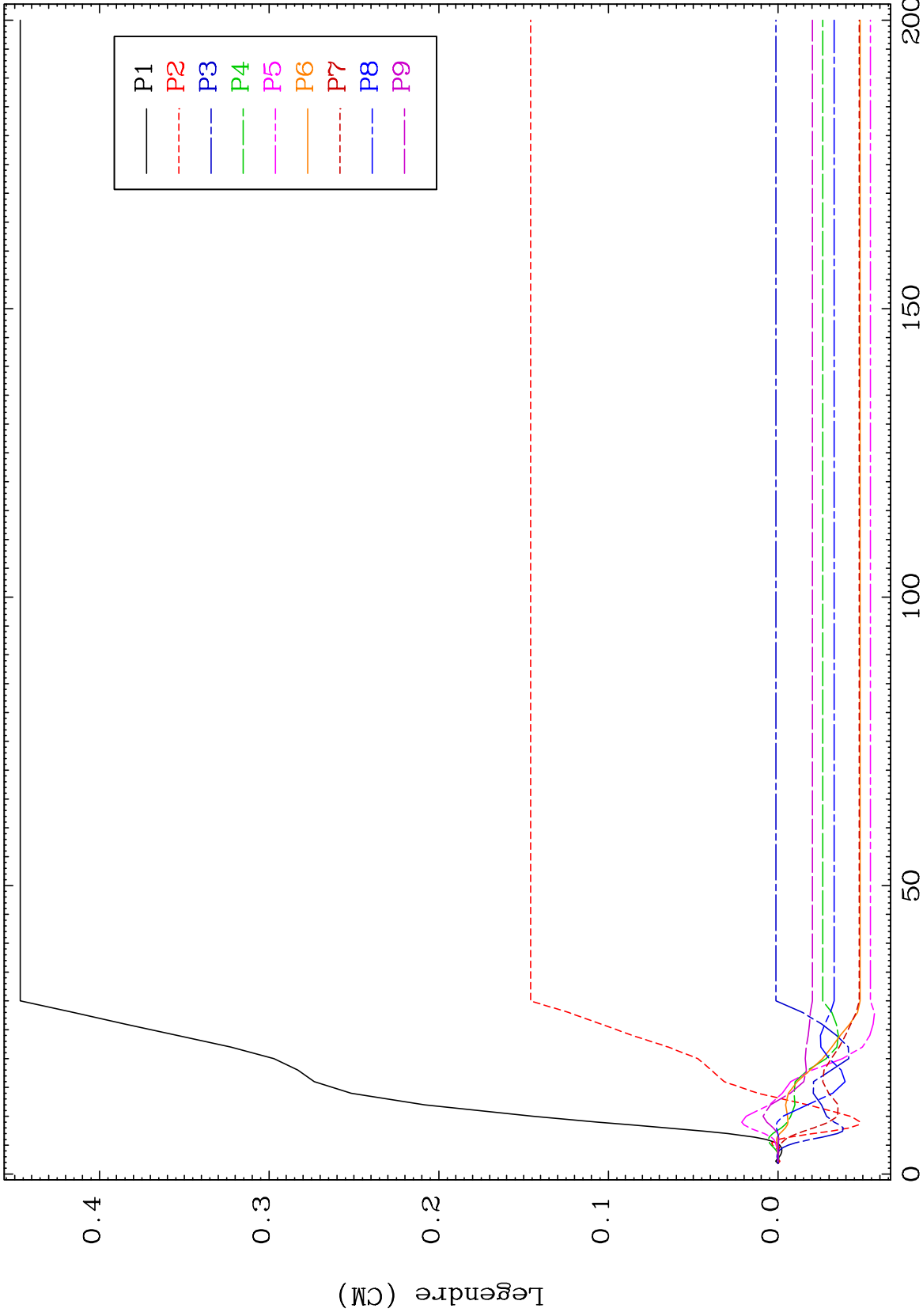
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



61

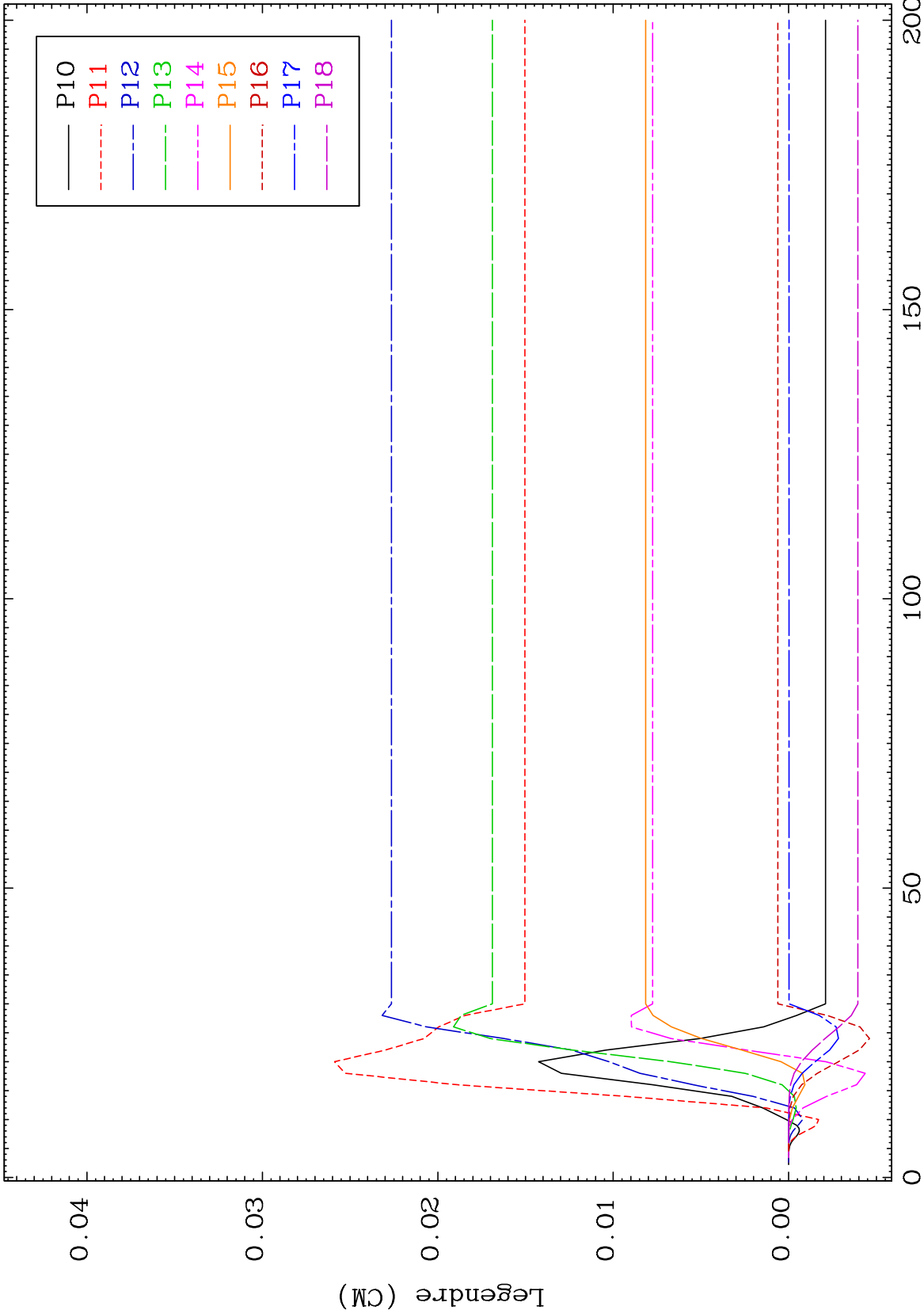
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



62

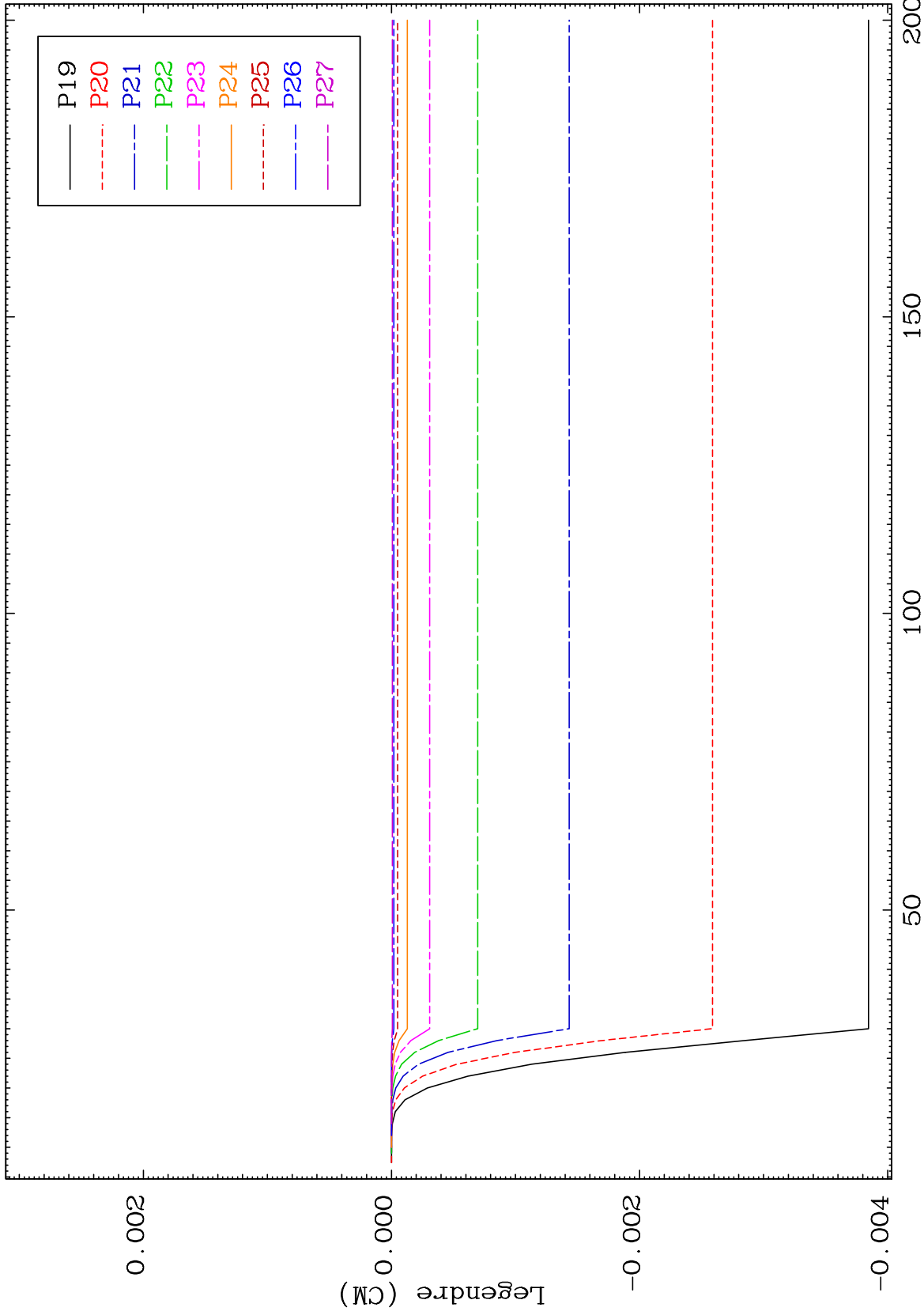
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



63

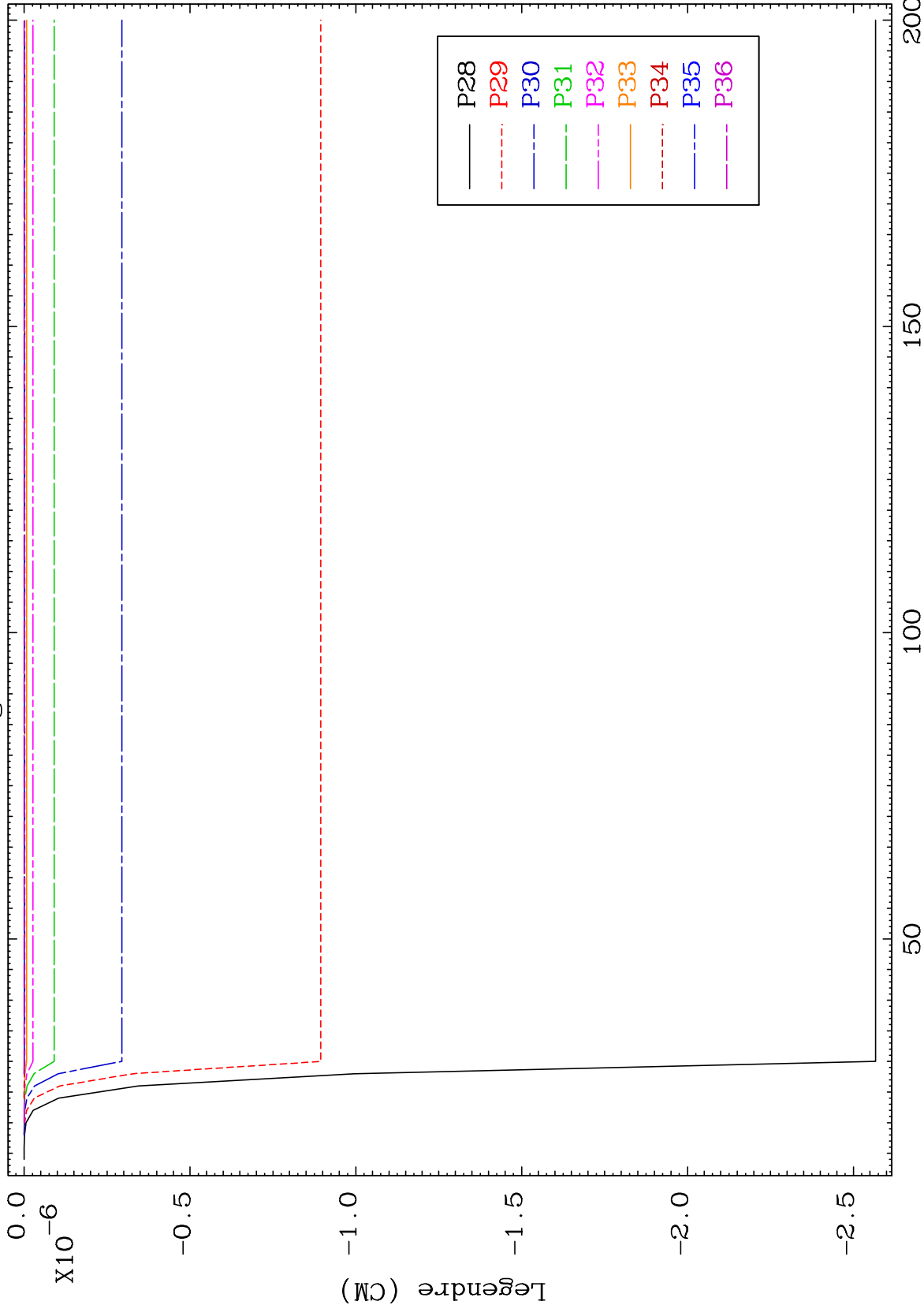
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



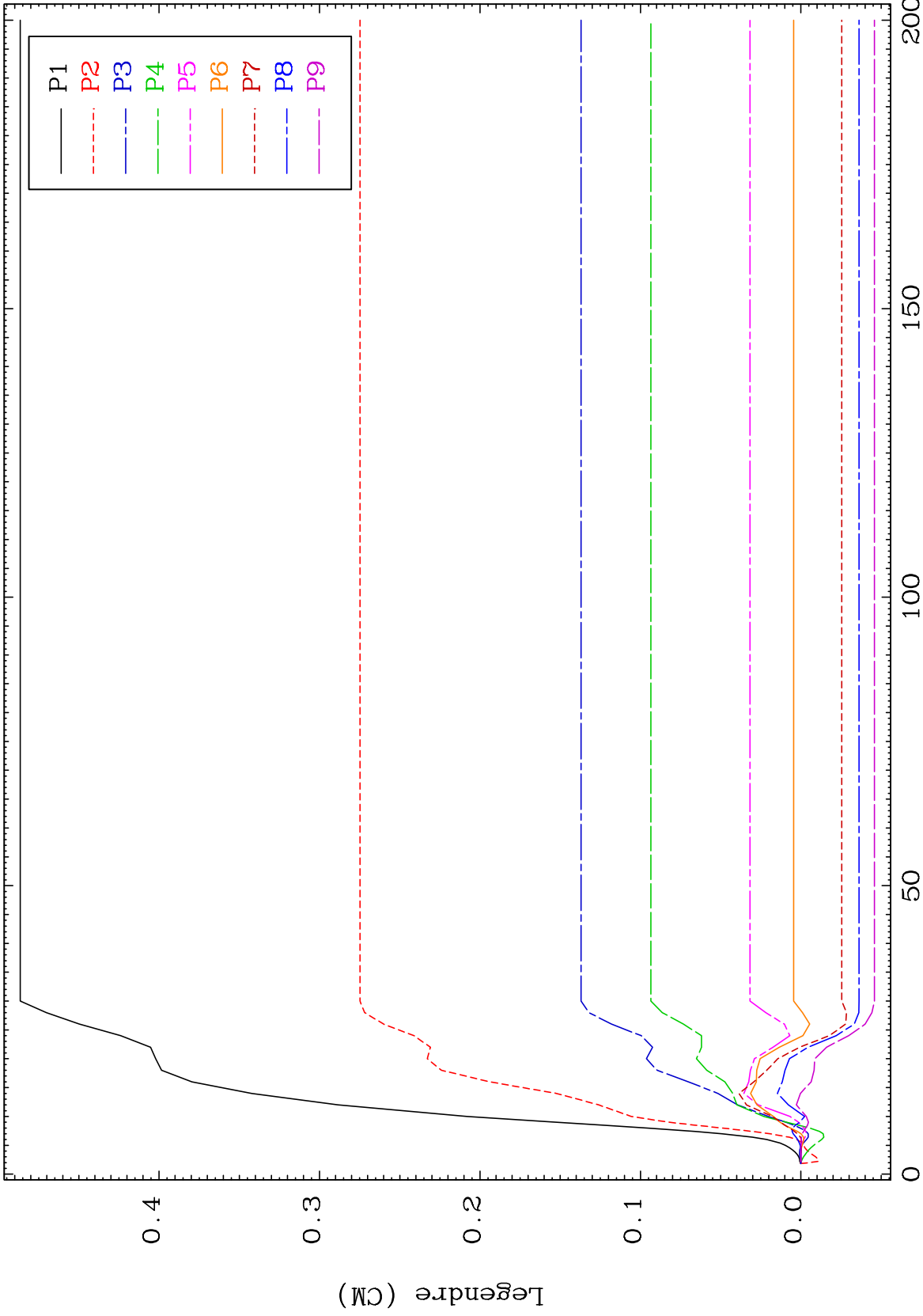
64

51-Sb-131

MAT 5155

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

51-Sb-131



65

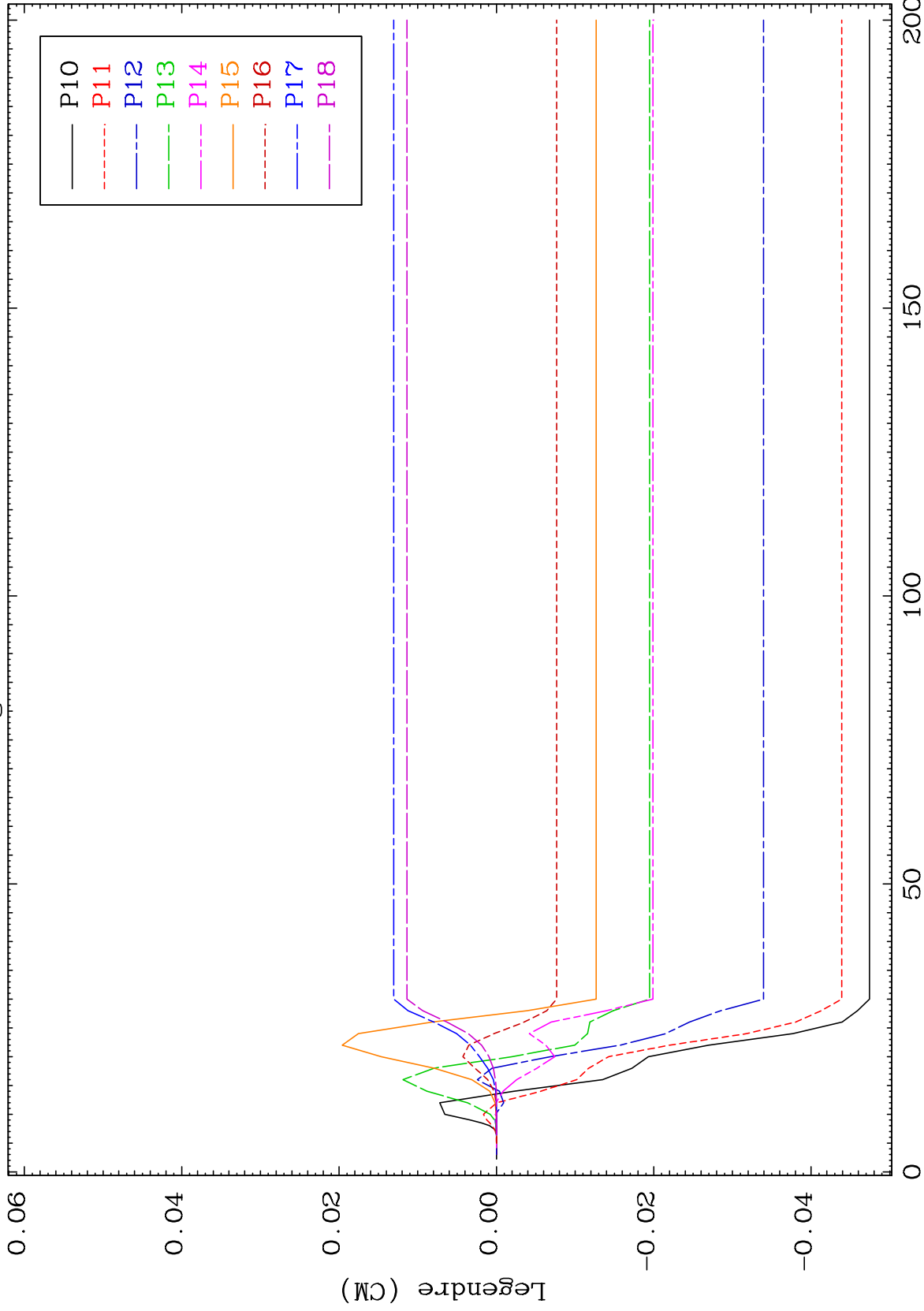
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131

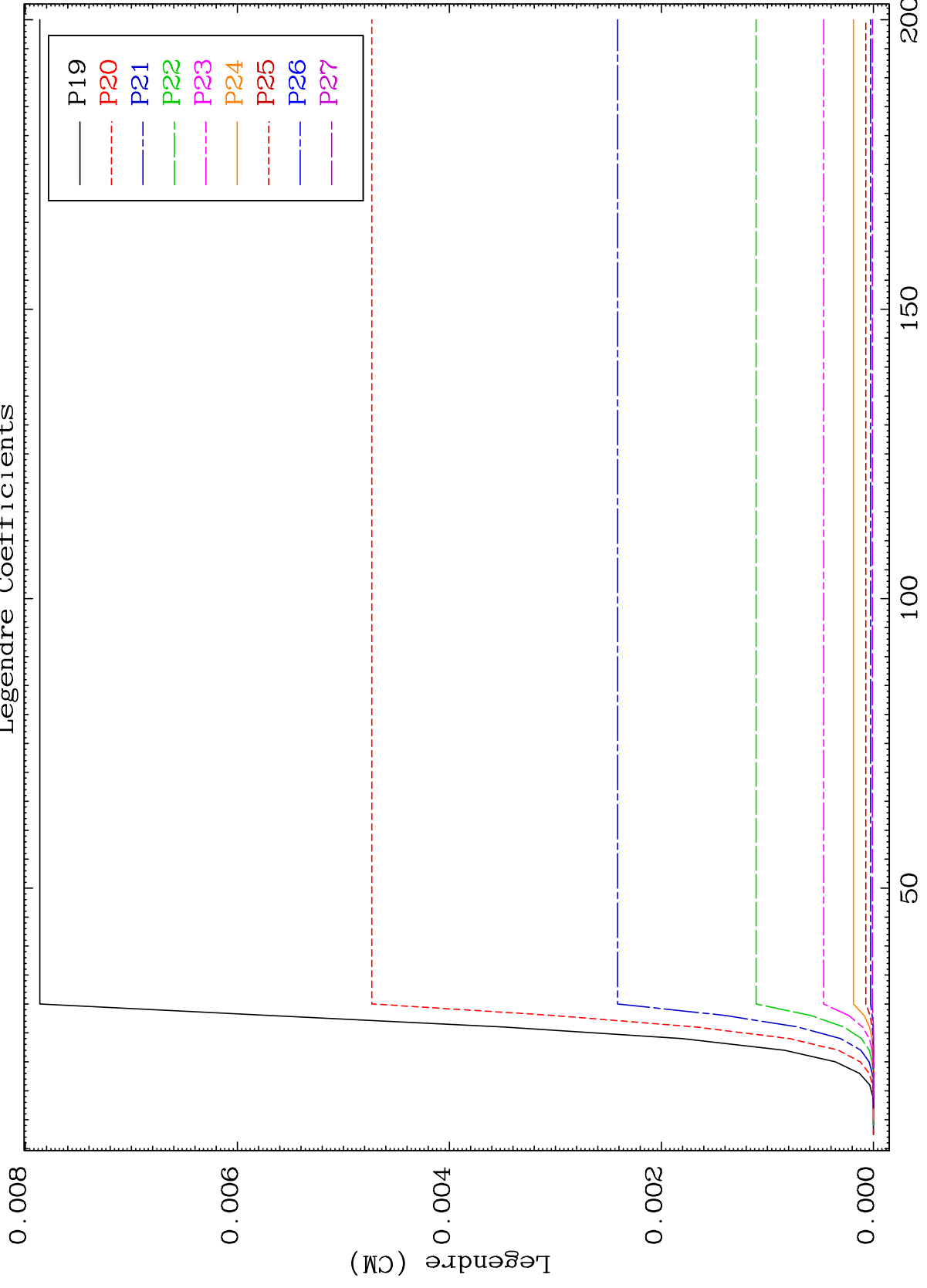


66

Incident Energy (MeV)

51-Sb-131

MAT 5155 MT= 63 (n,n') Level Legendre Coefficients 51-Sb-131

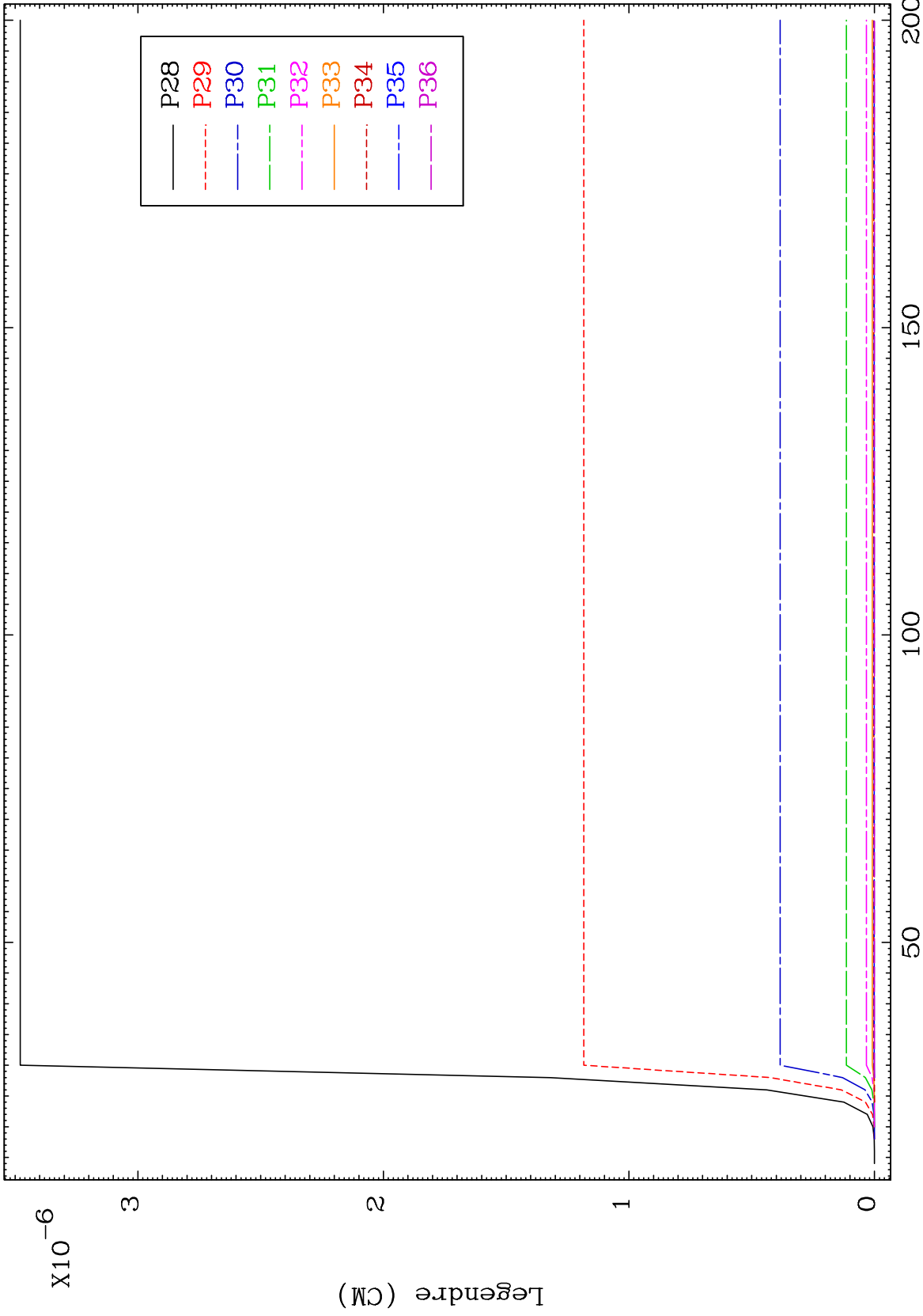


67 51-Sb-131

MAT 5155

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

51-Sb-131



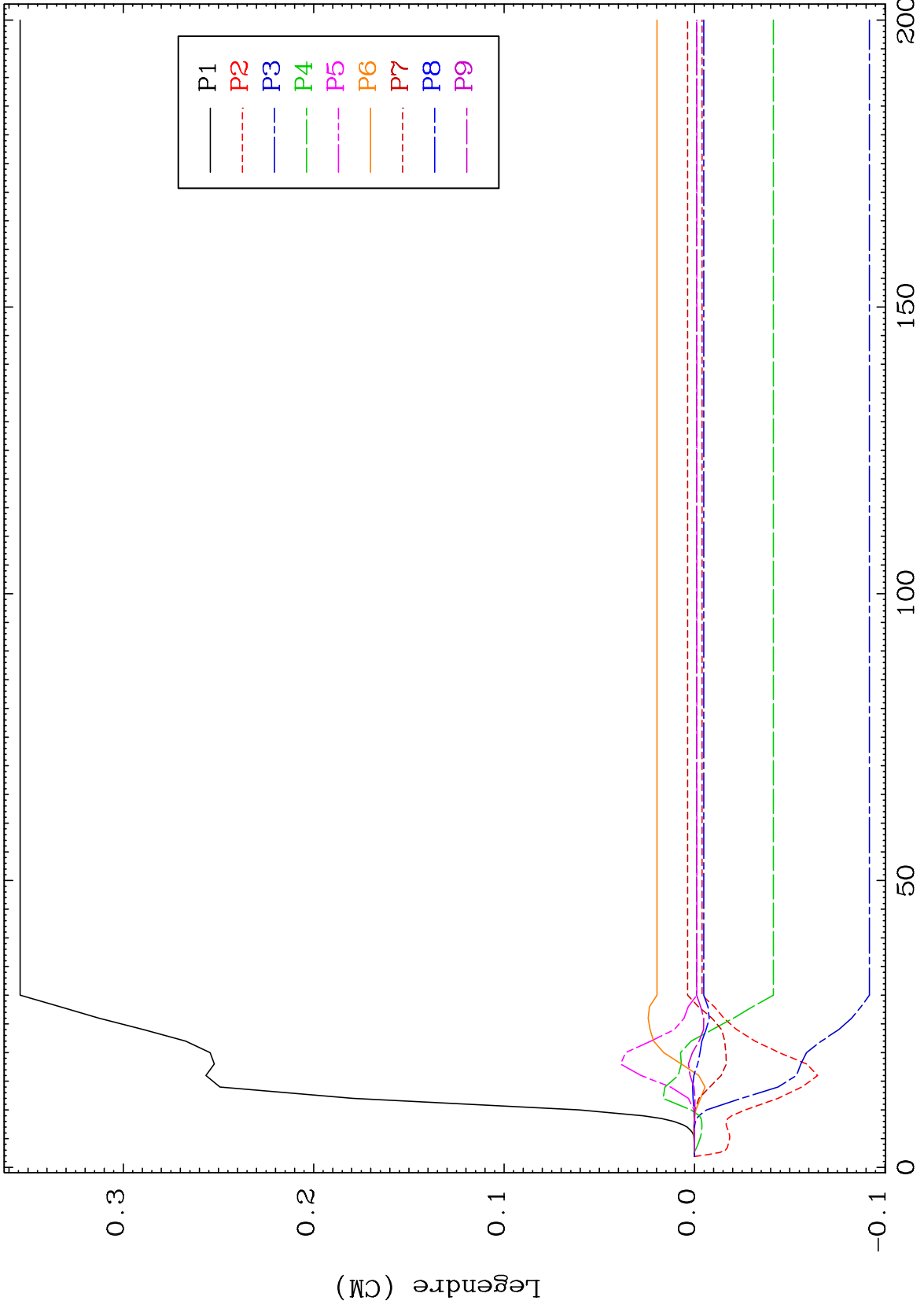
68

51-Sb-131

MAT 5155

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

51-Sb-131



69

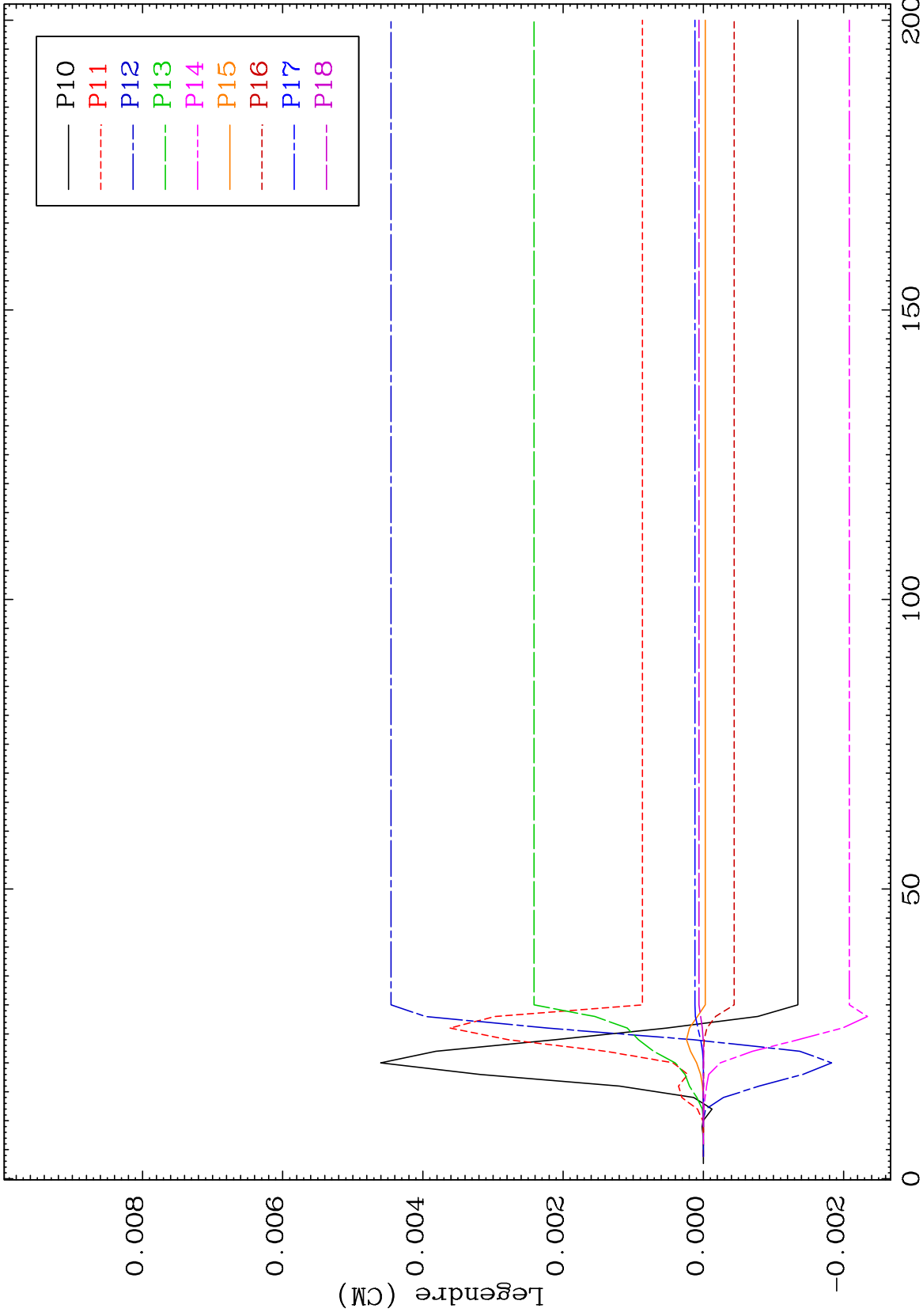
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



70

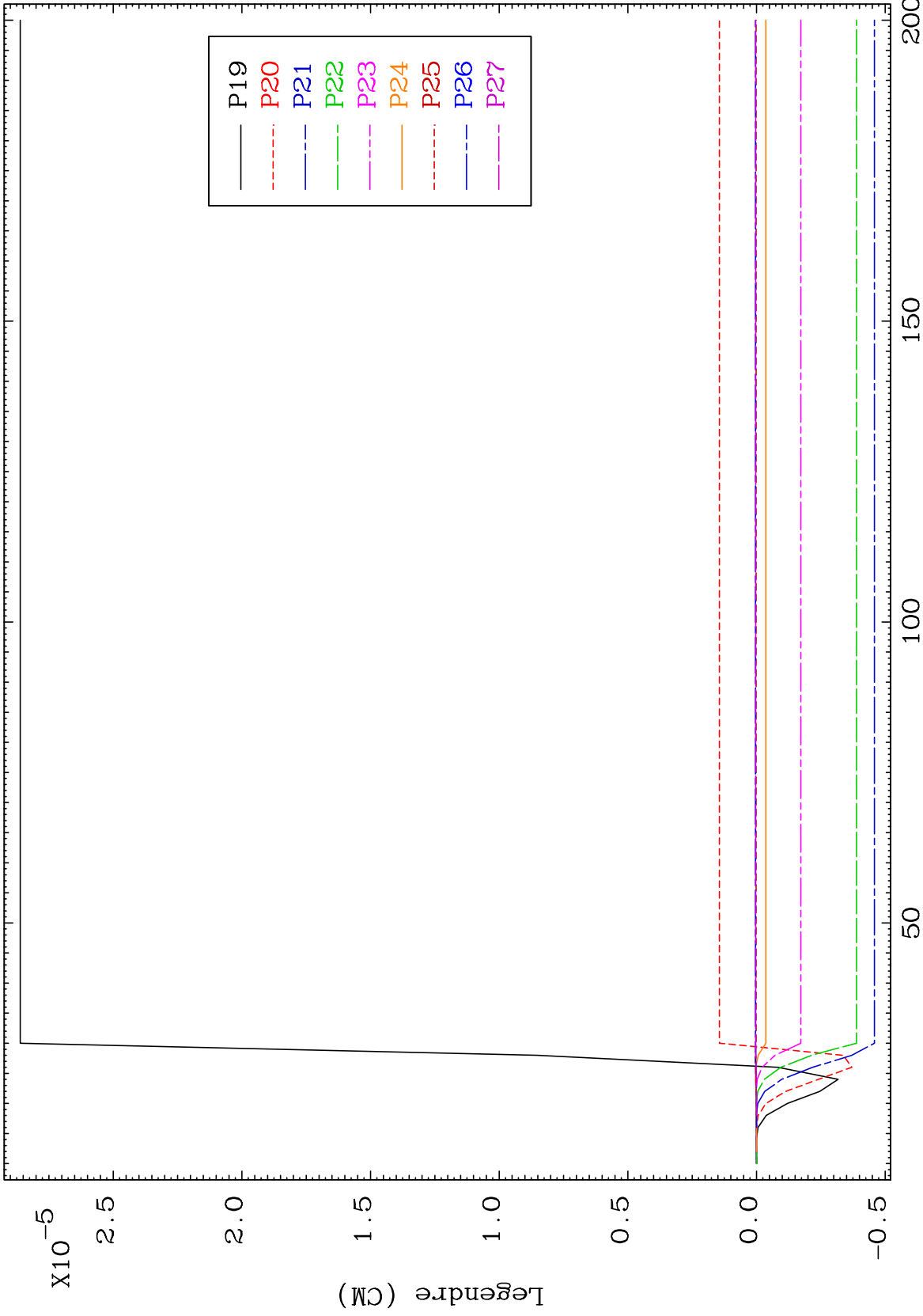
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



71

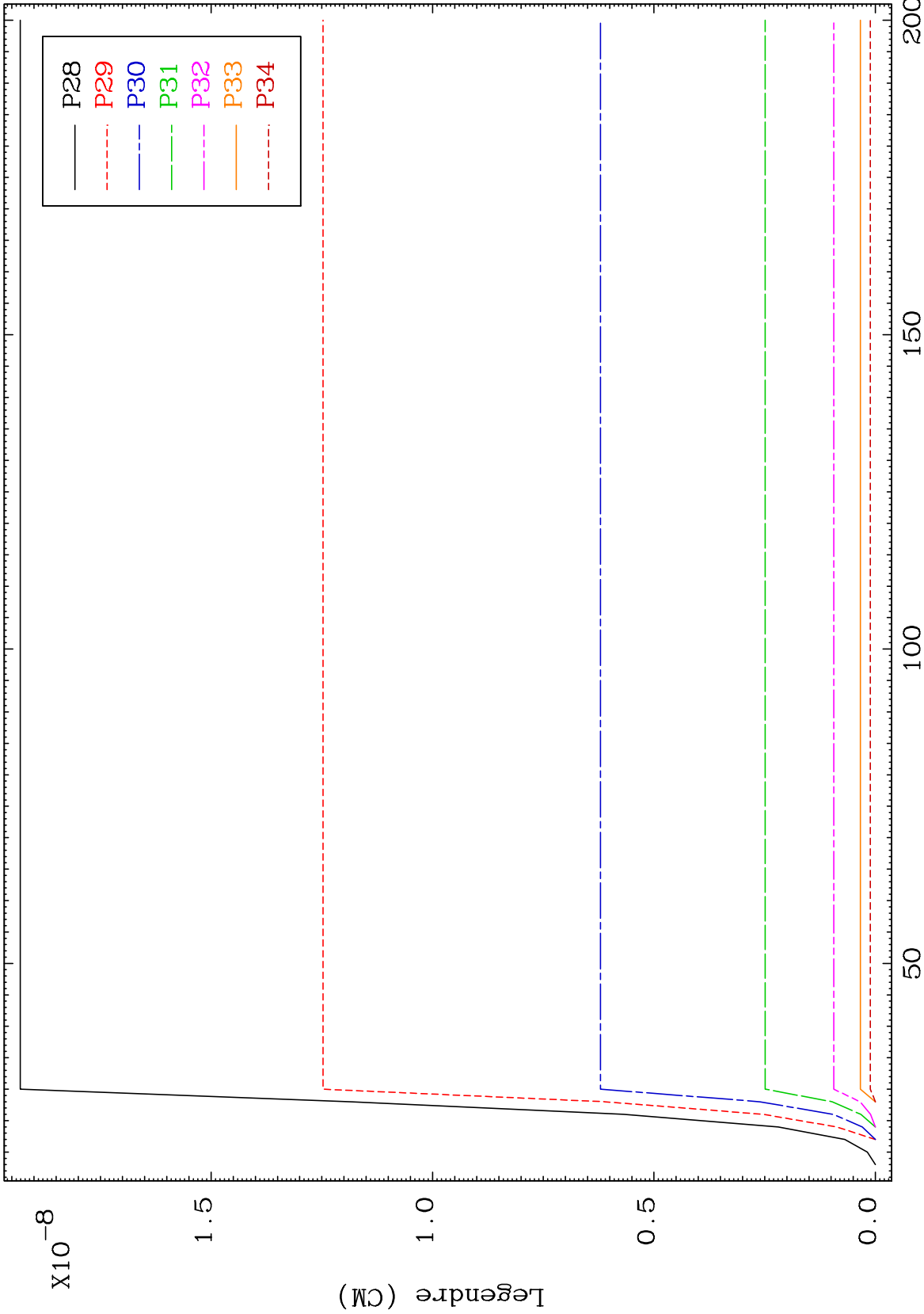
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



72

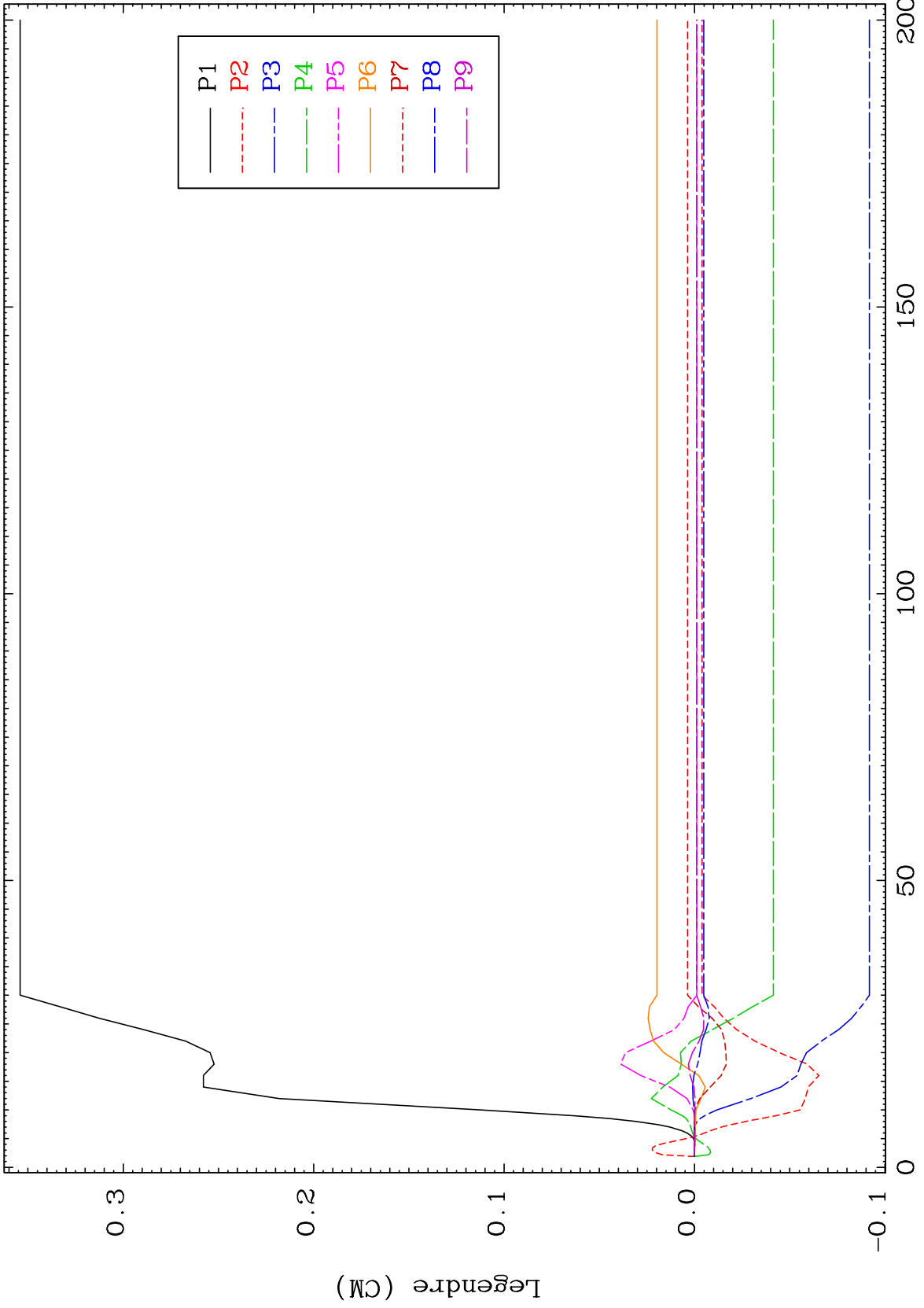
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



73

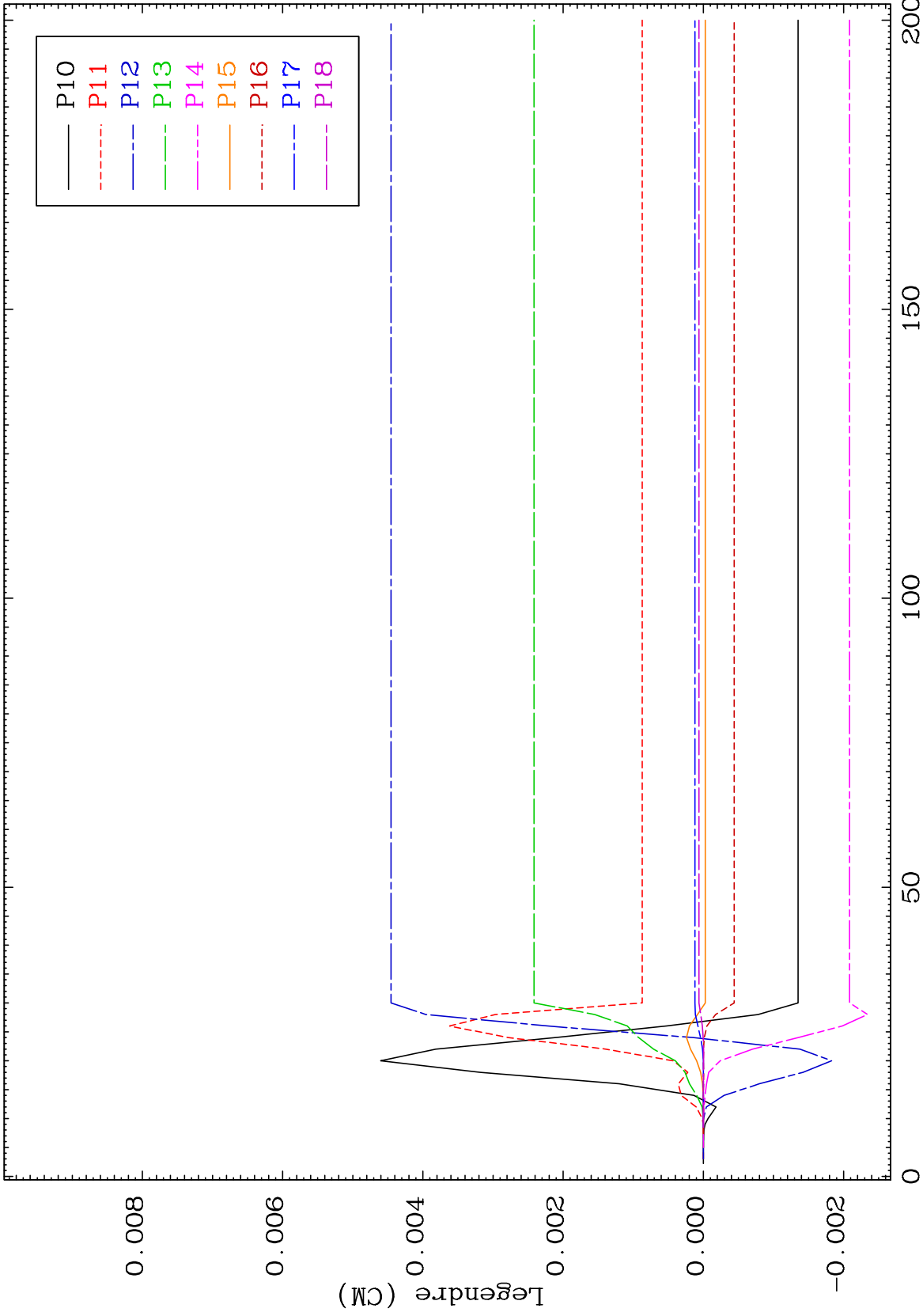
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



74

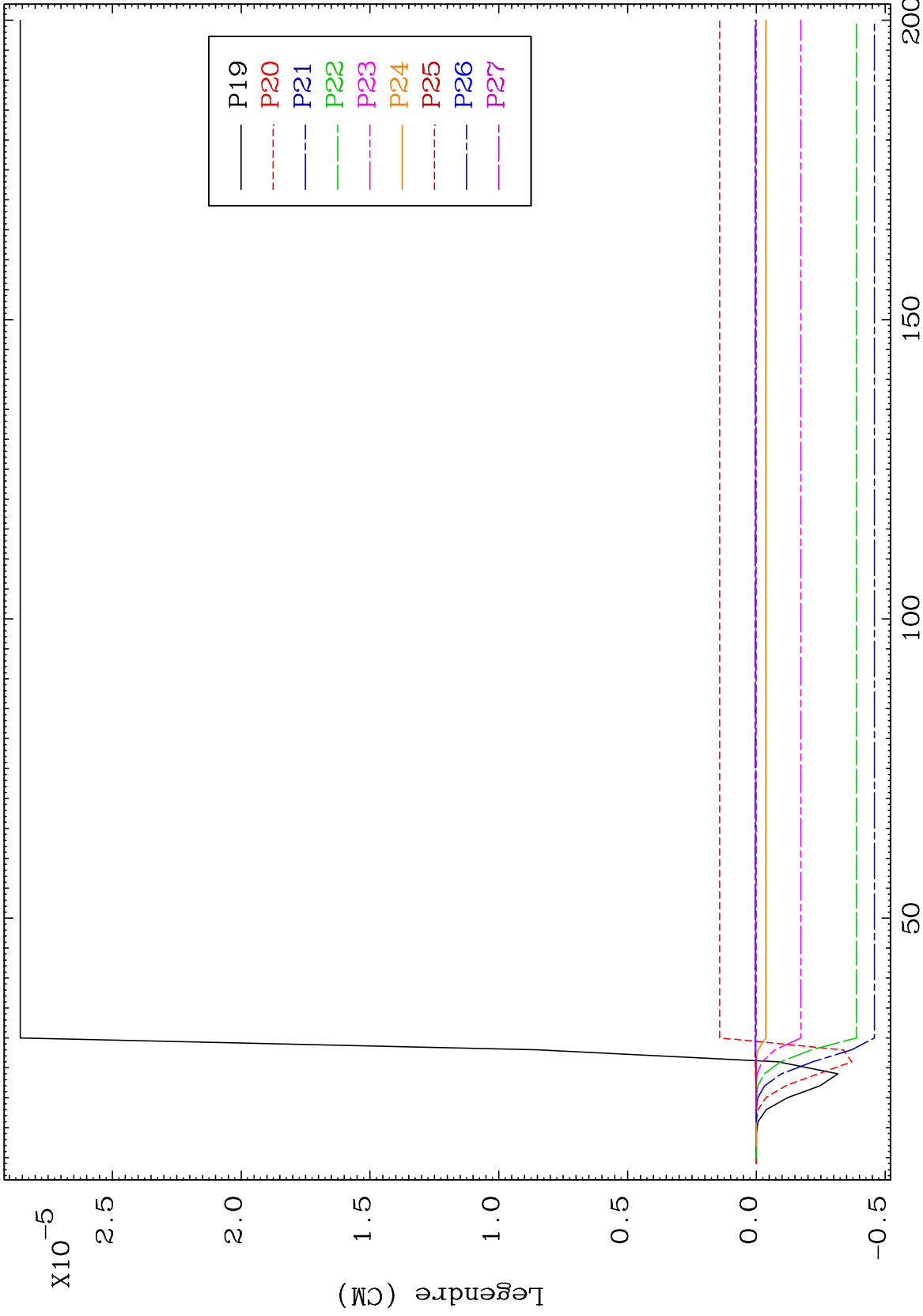
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



75

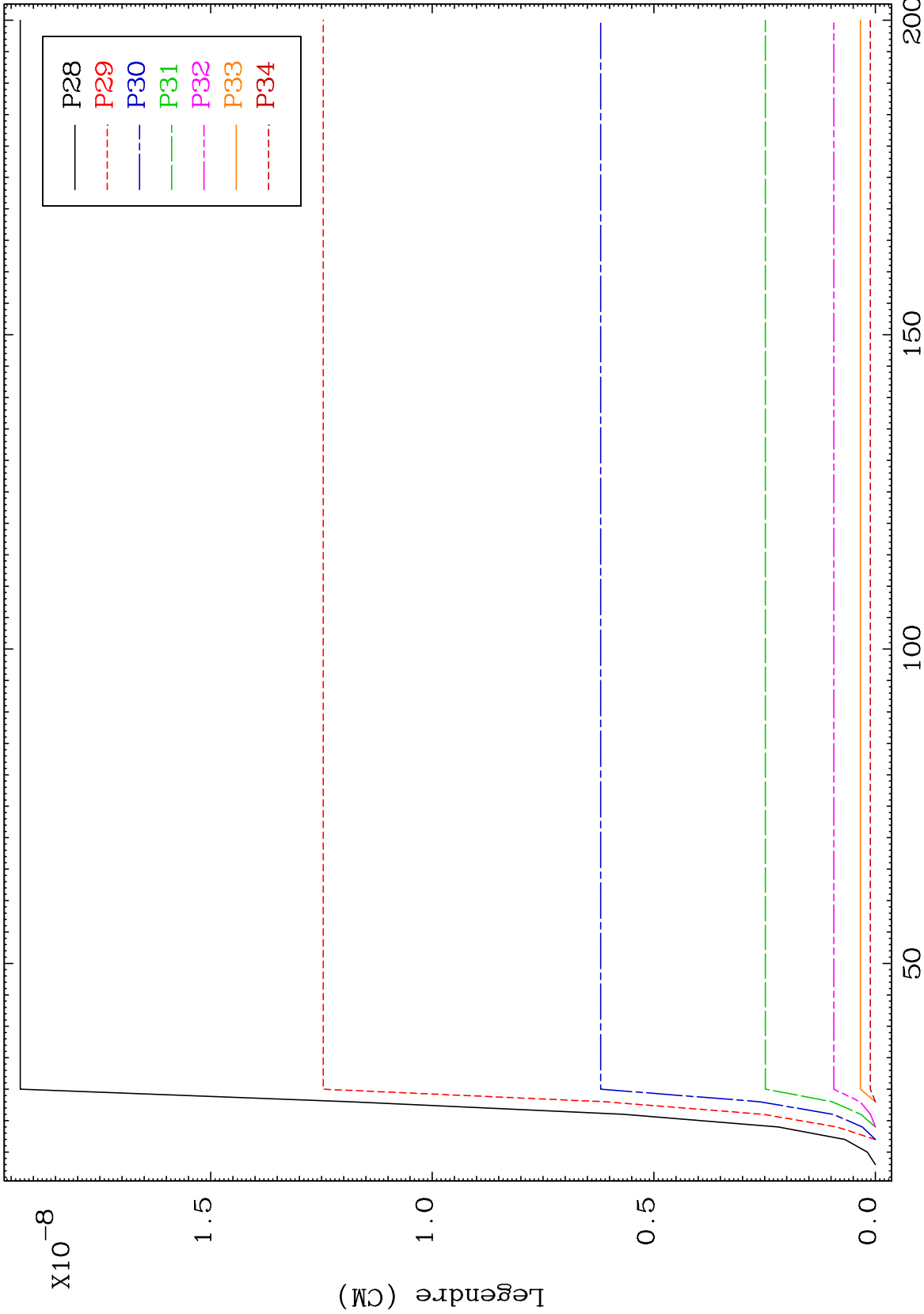
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



76

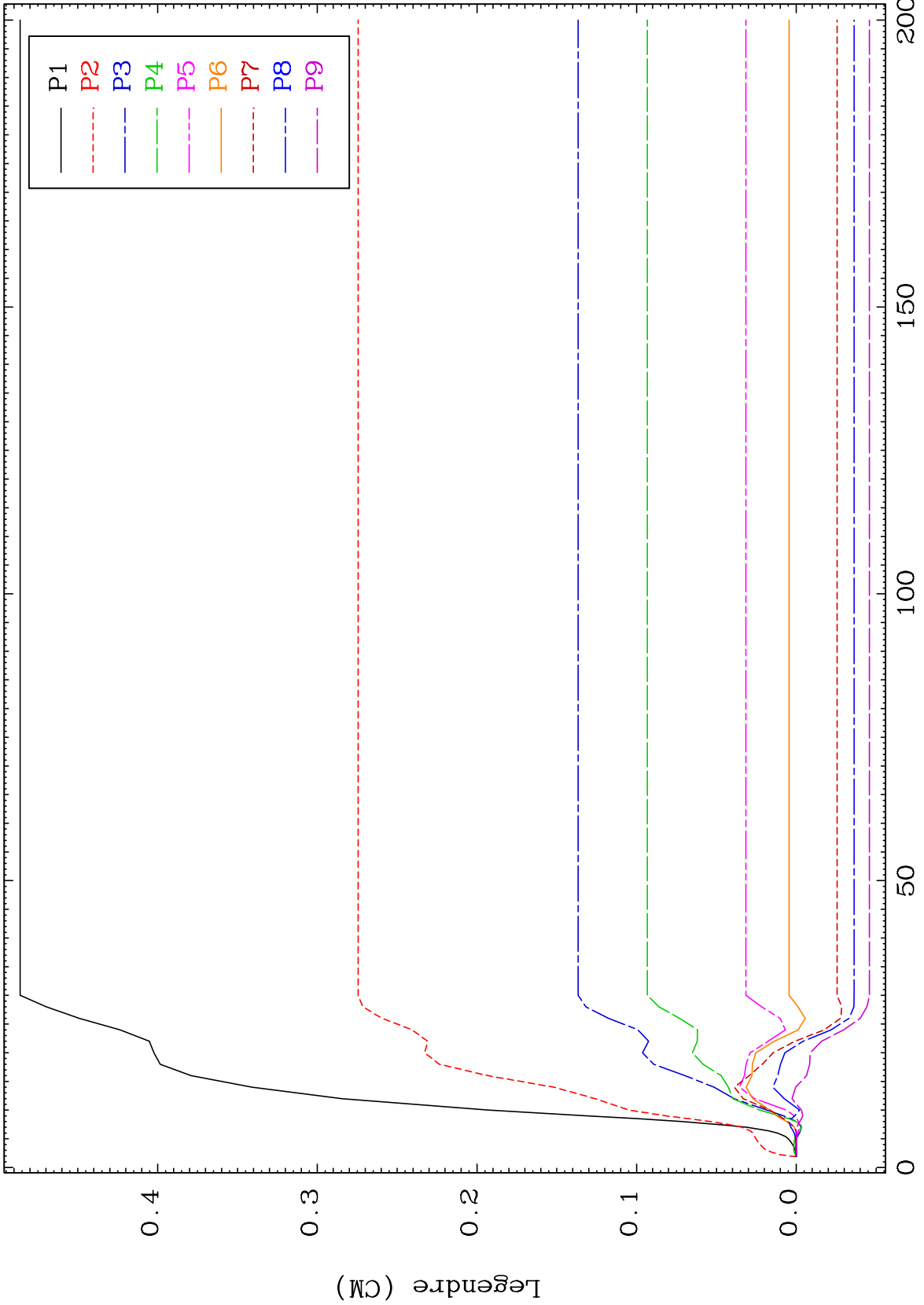
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



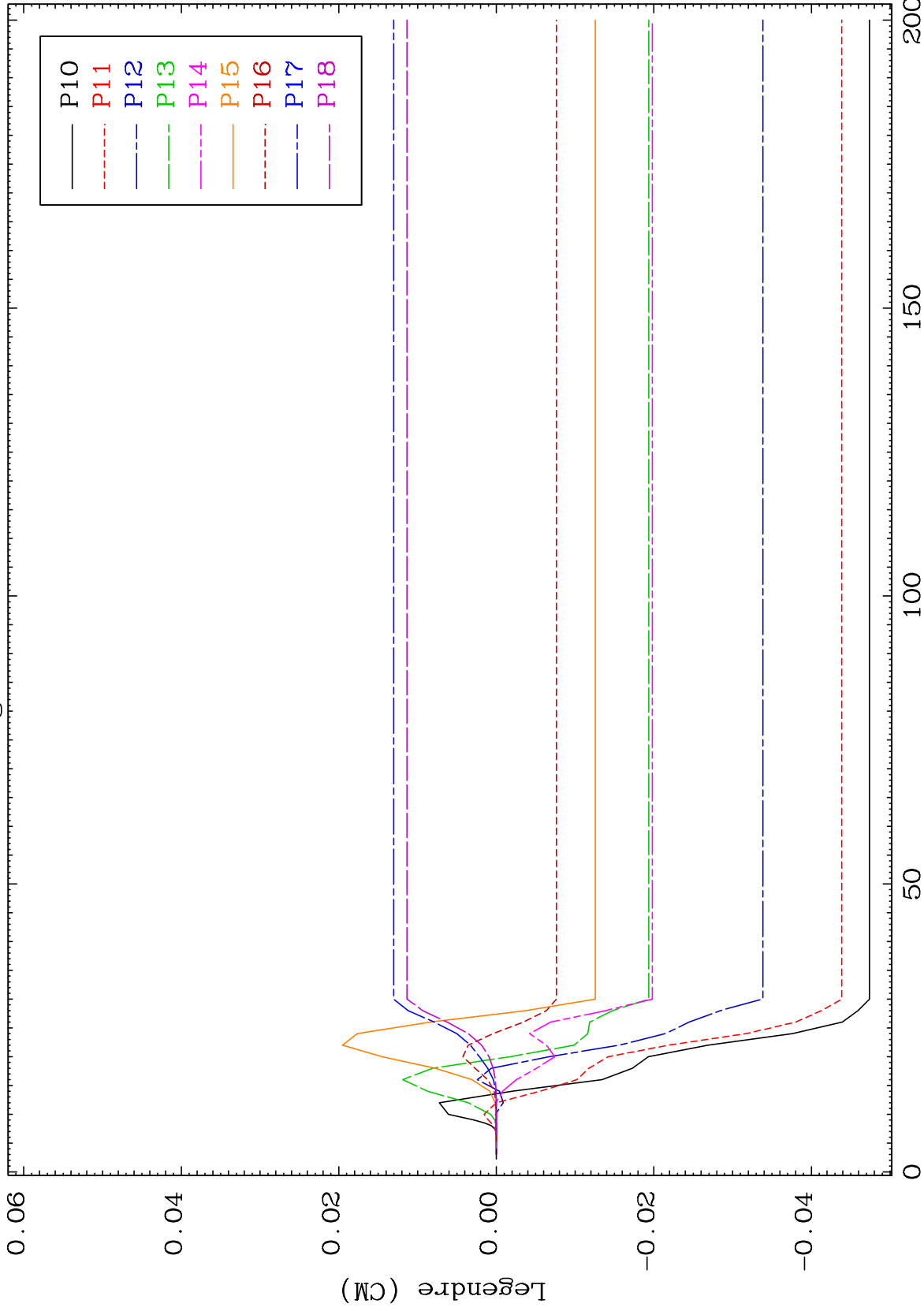
77

51-Sb-131

MAT 5155

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

51-Sb-131



78

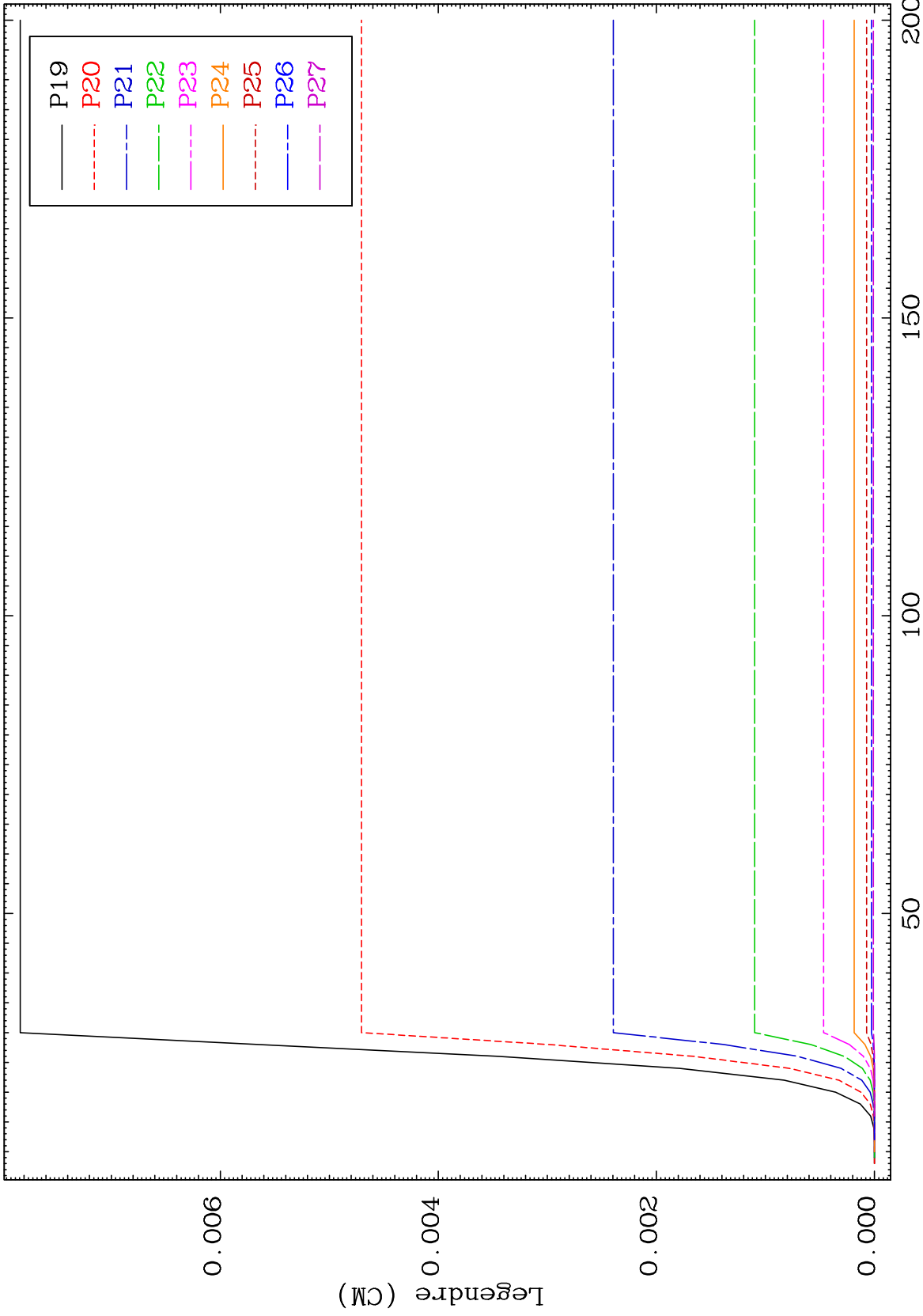
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



79

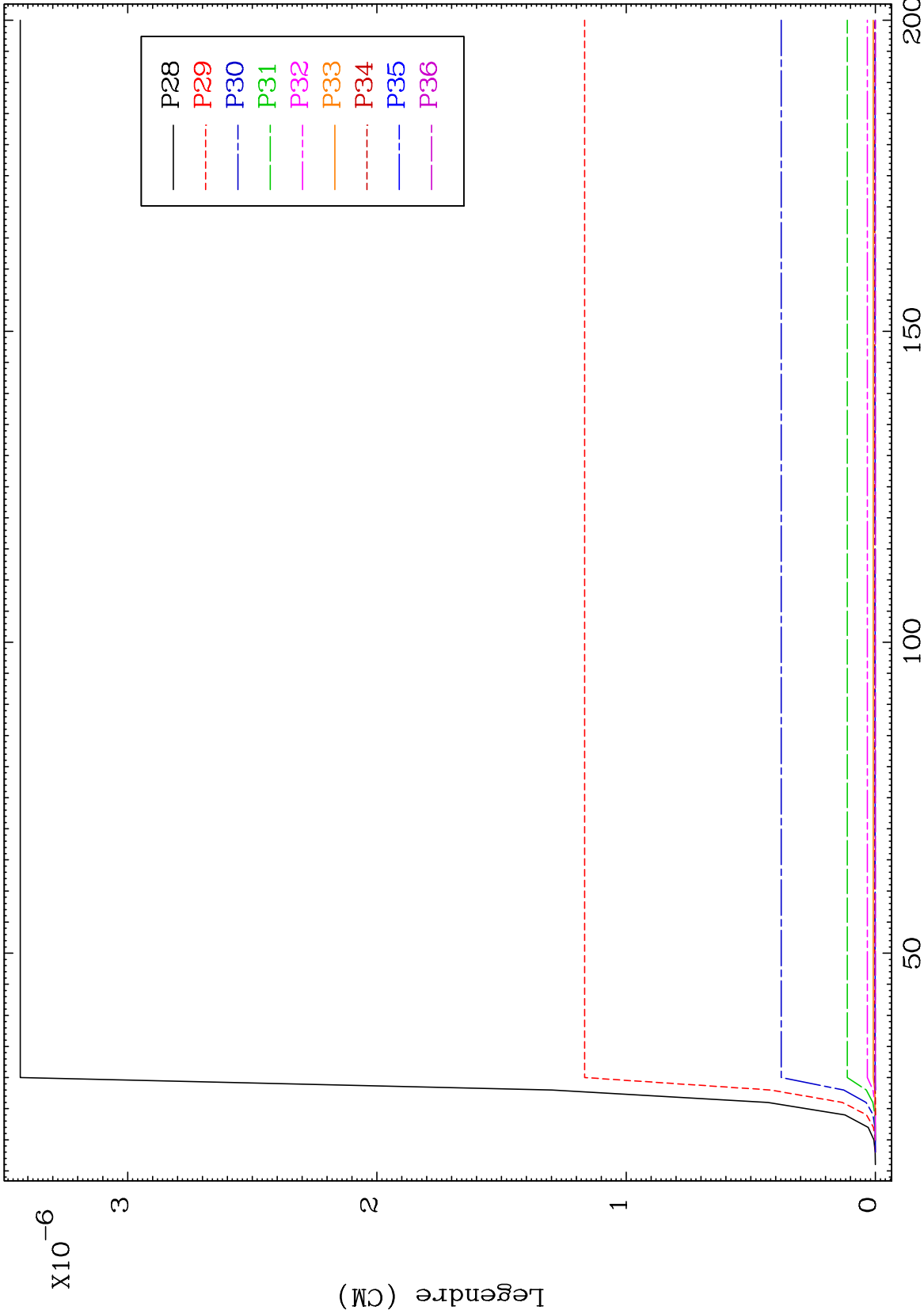
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



80

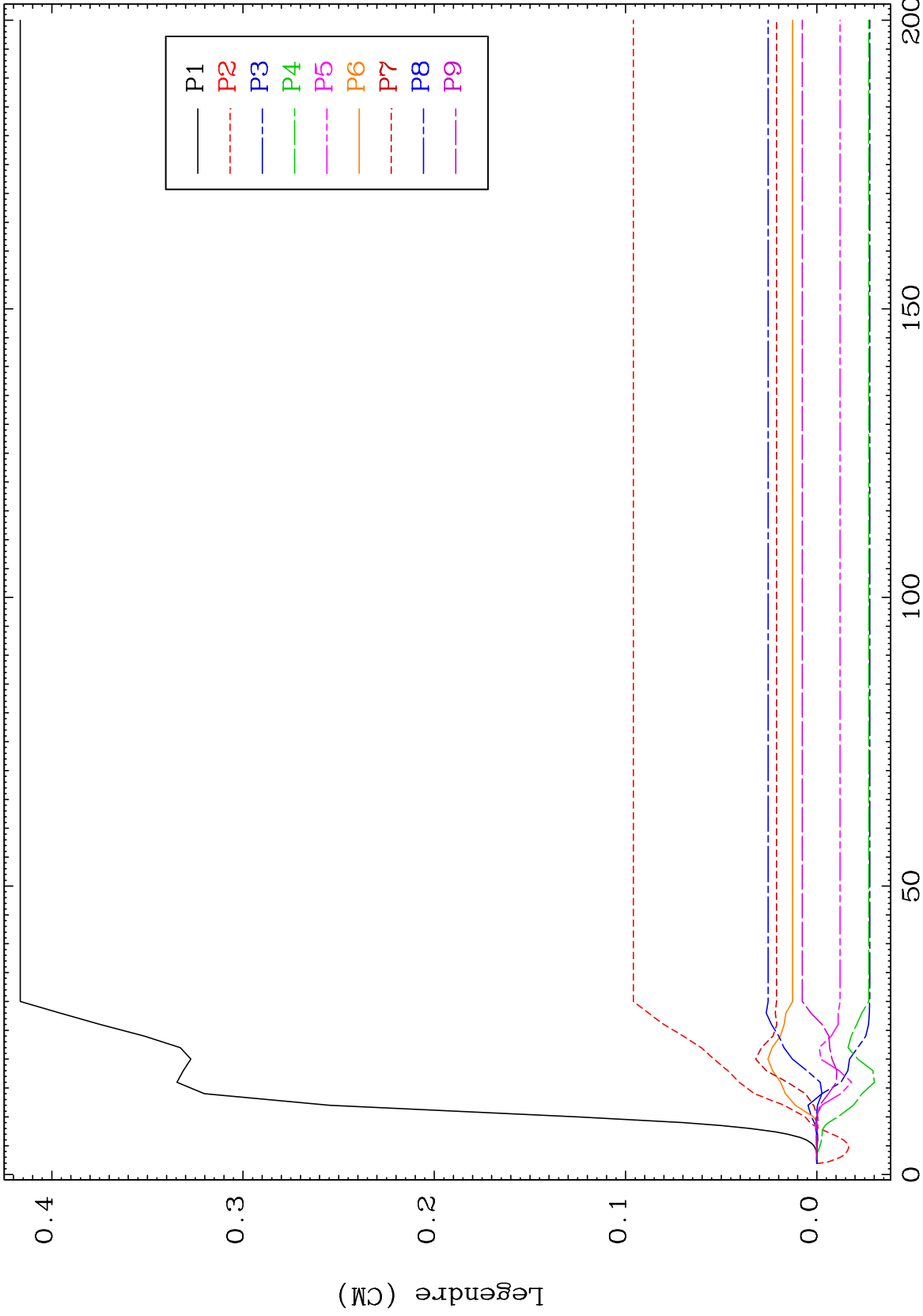
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



81

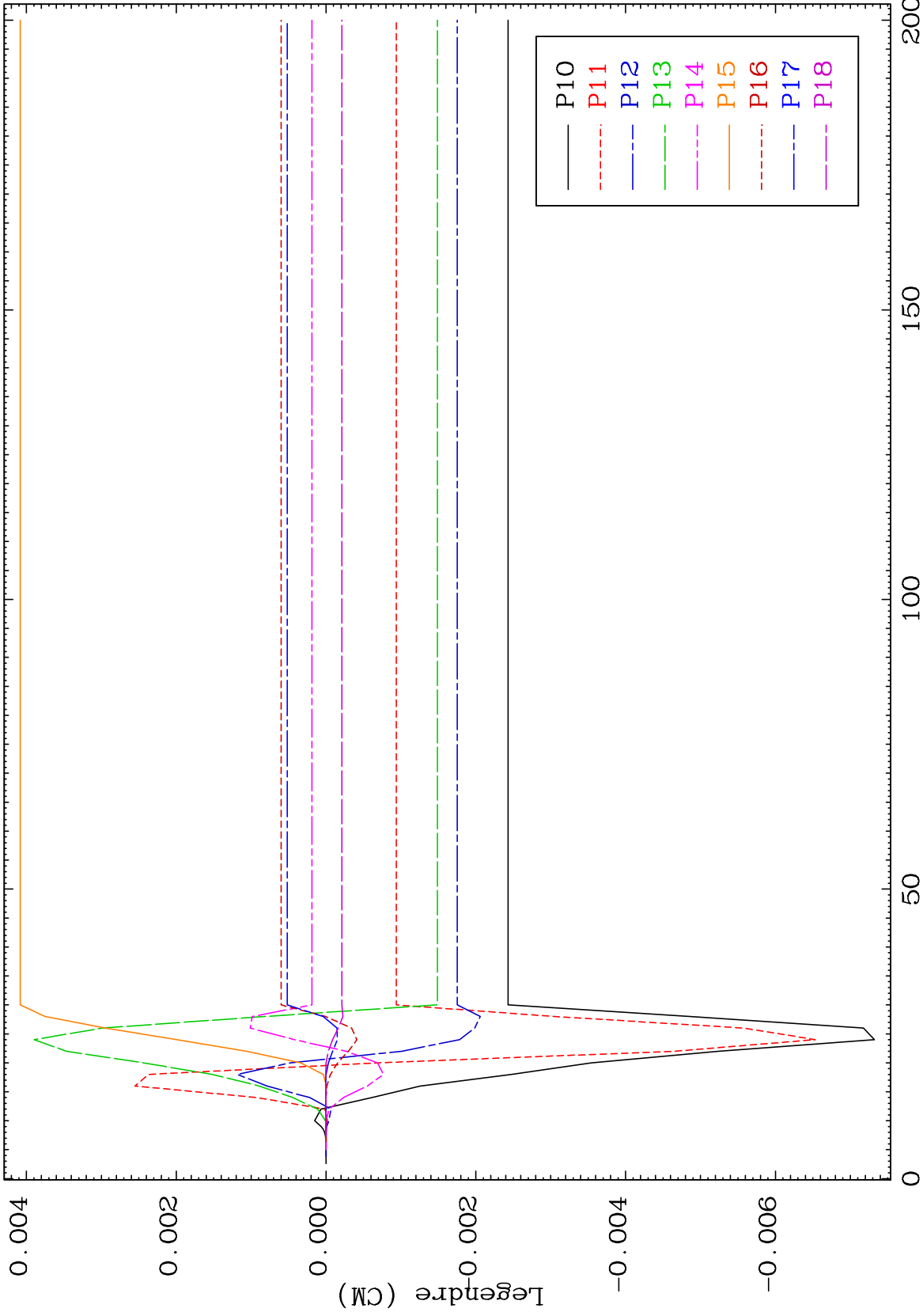
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



82

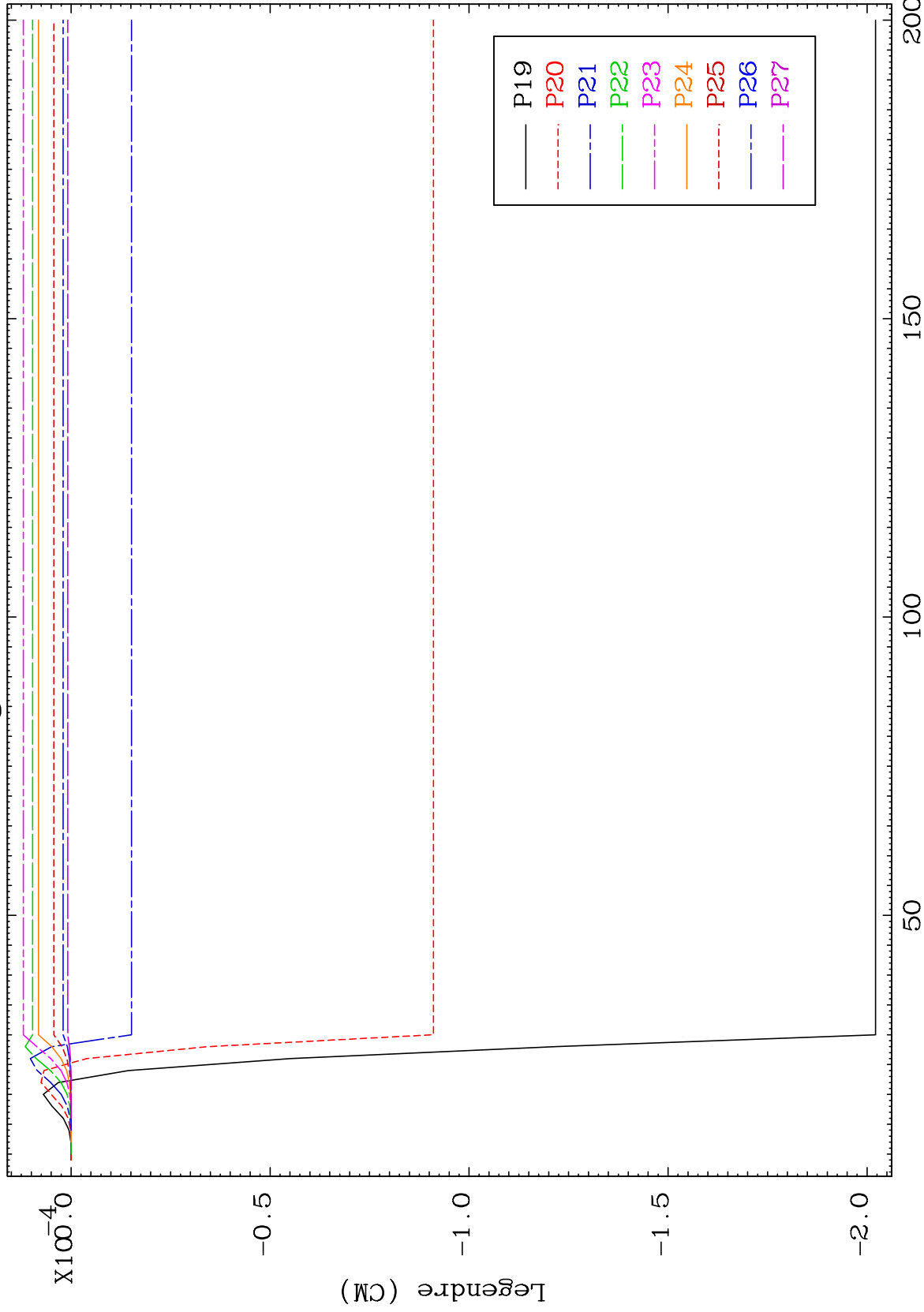
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



83

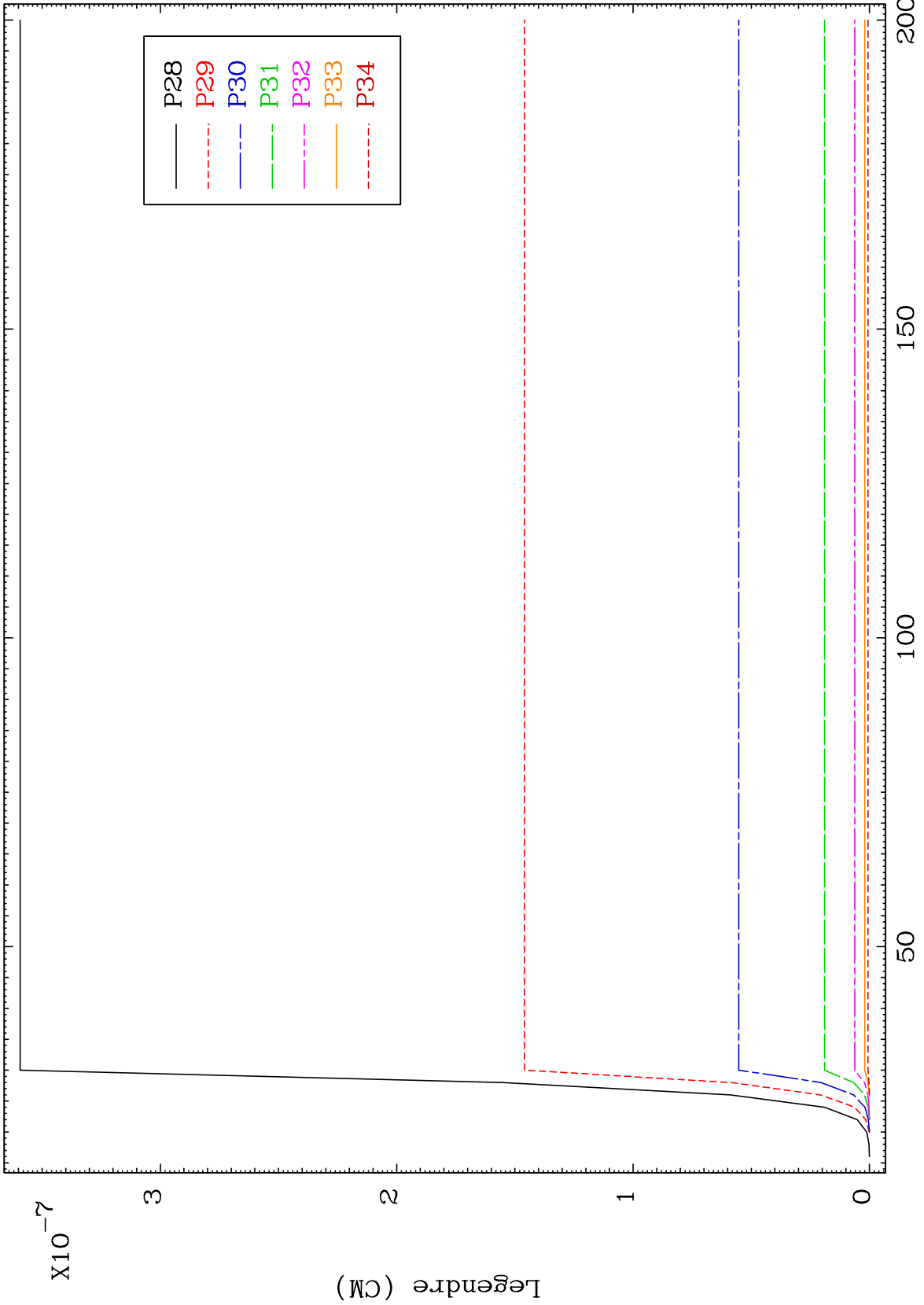
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



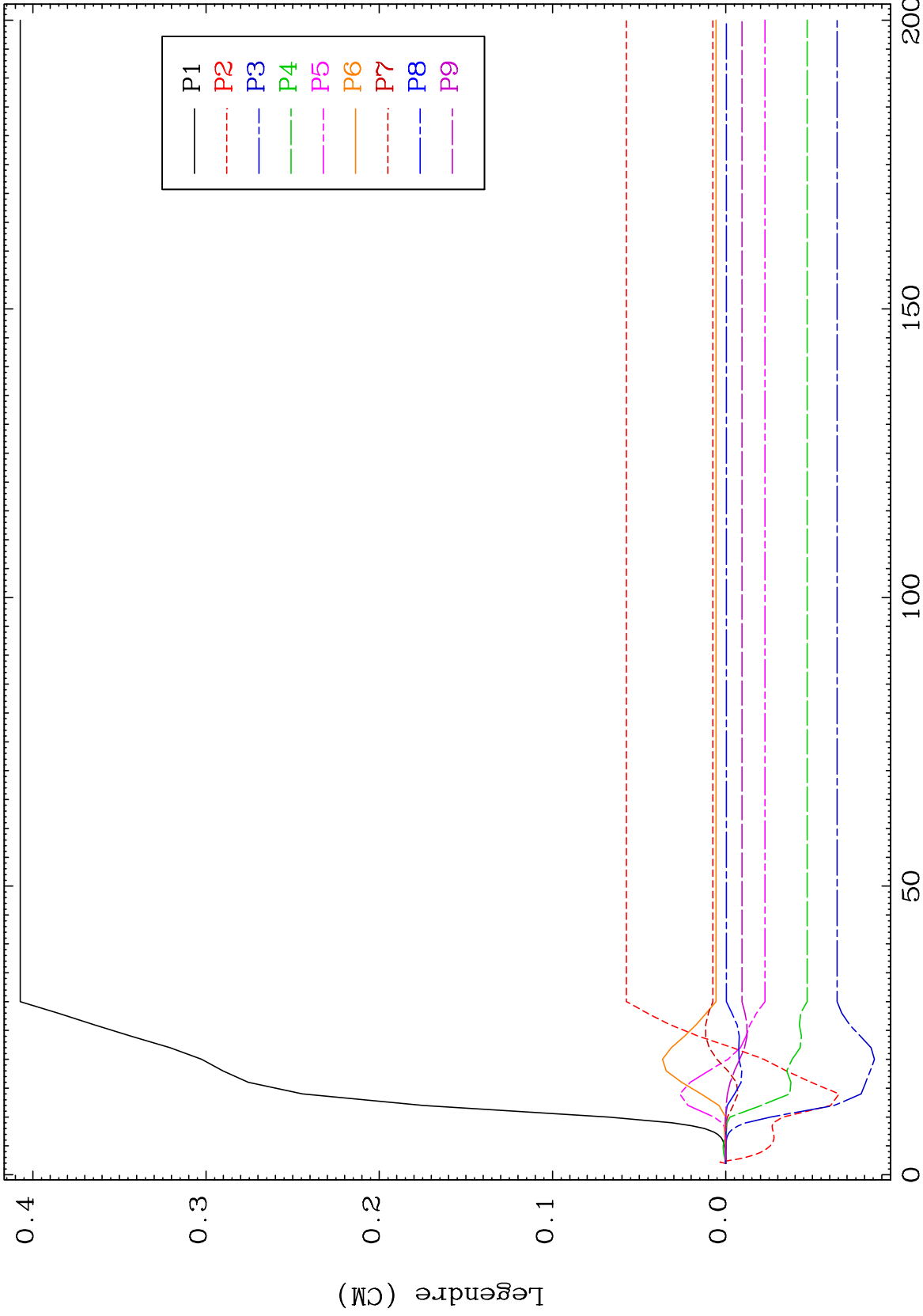
84

51-Sb-131

MAT 5155

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

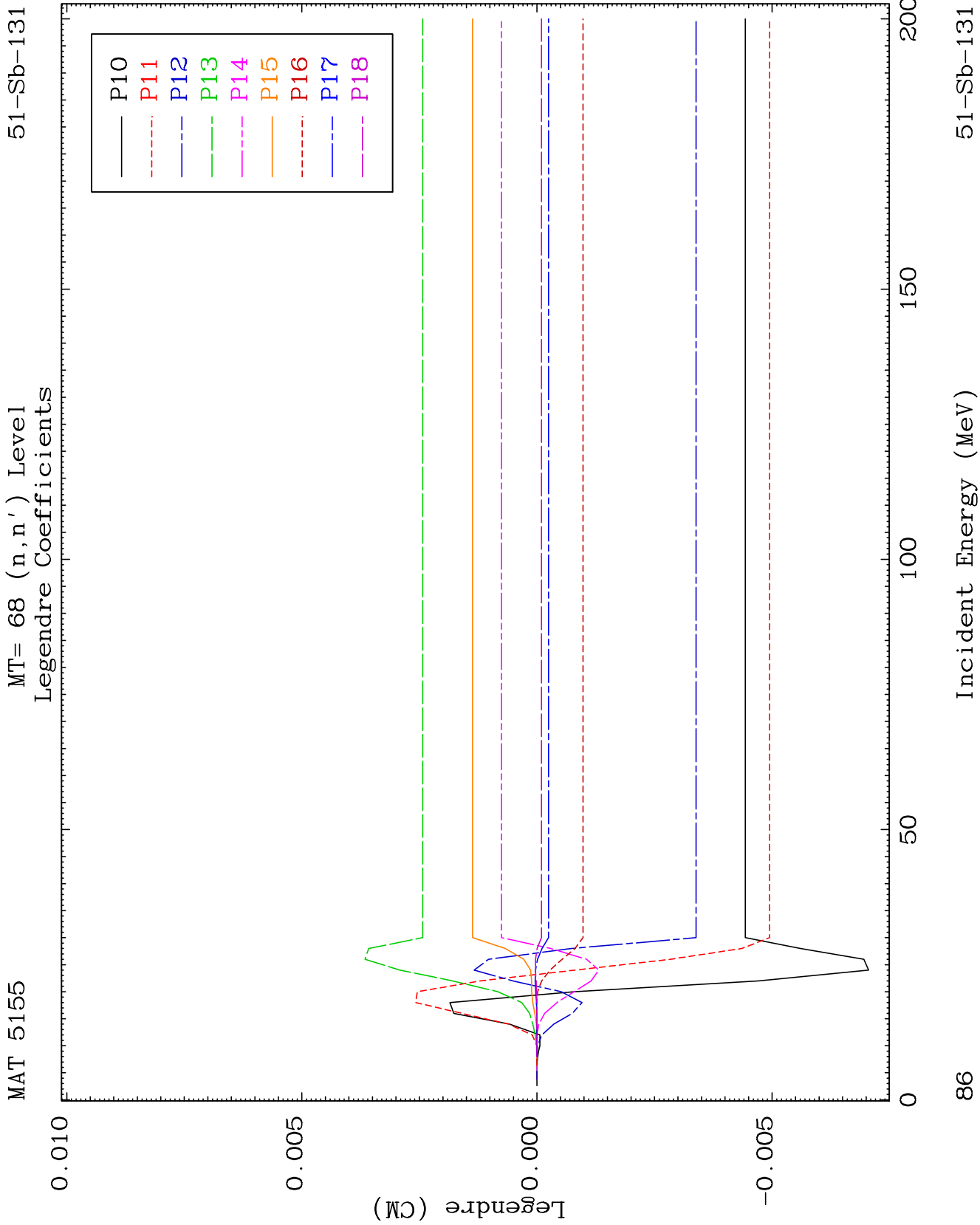
51-Sb-131



85

Incident Energy (MeV)

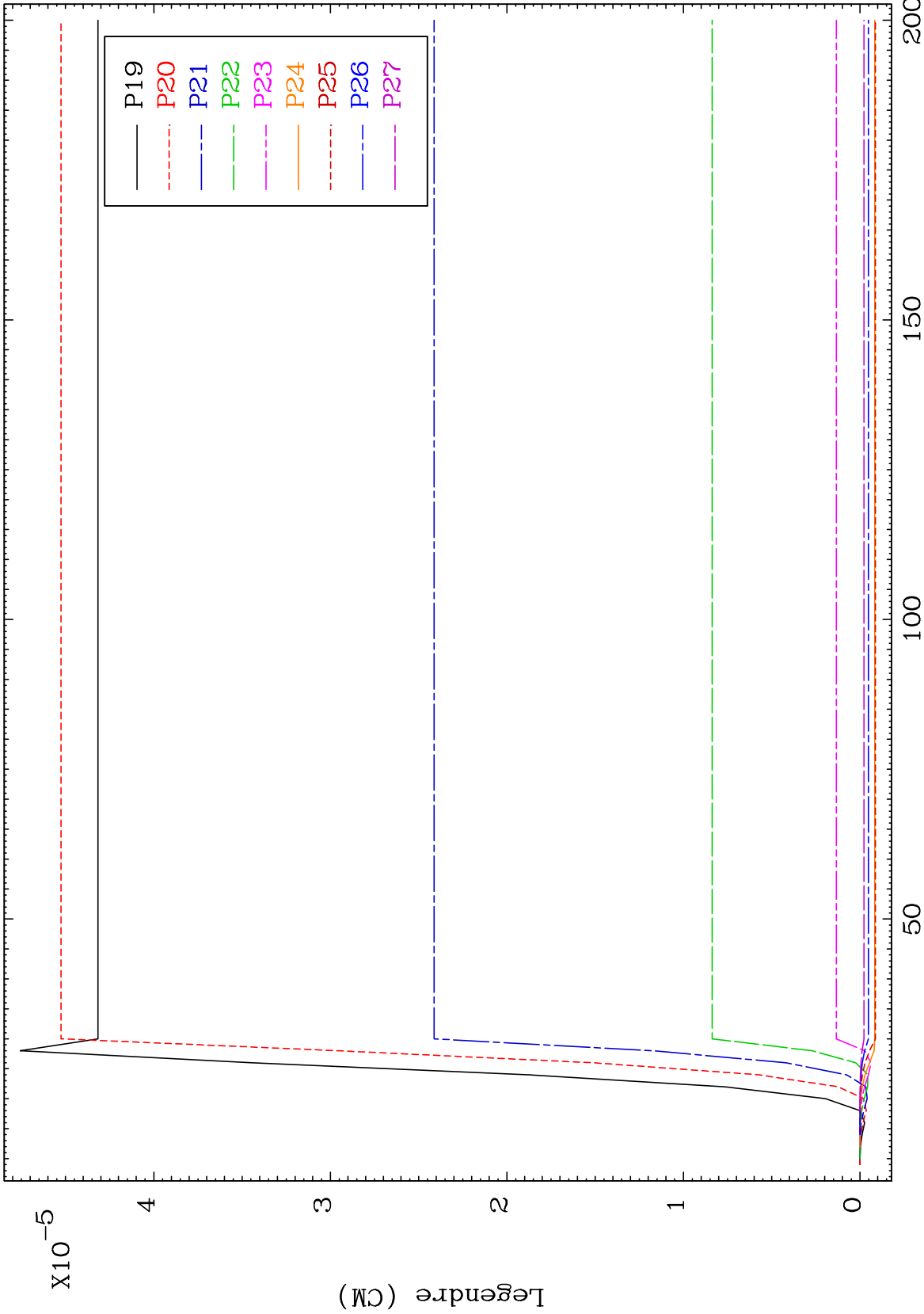
51-Sb-131



MAT 5155

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

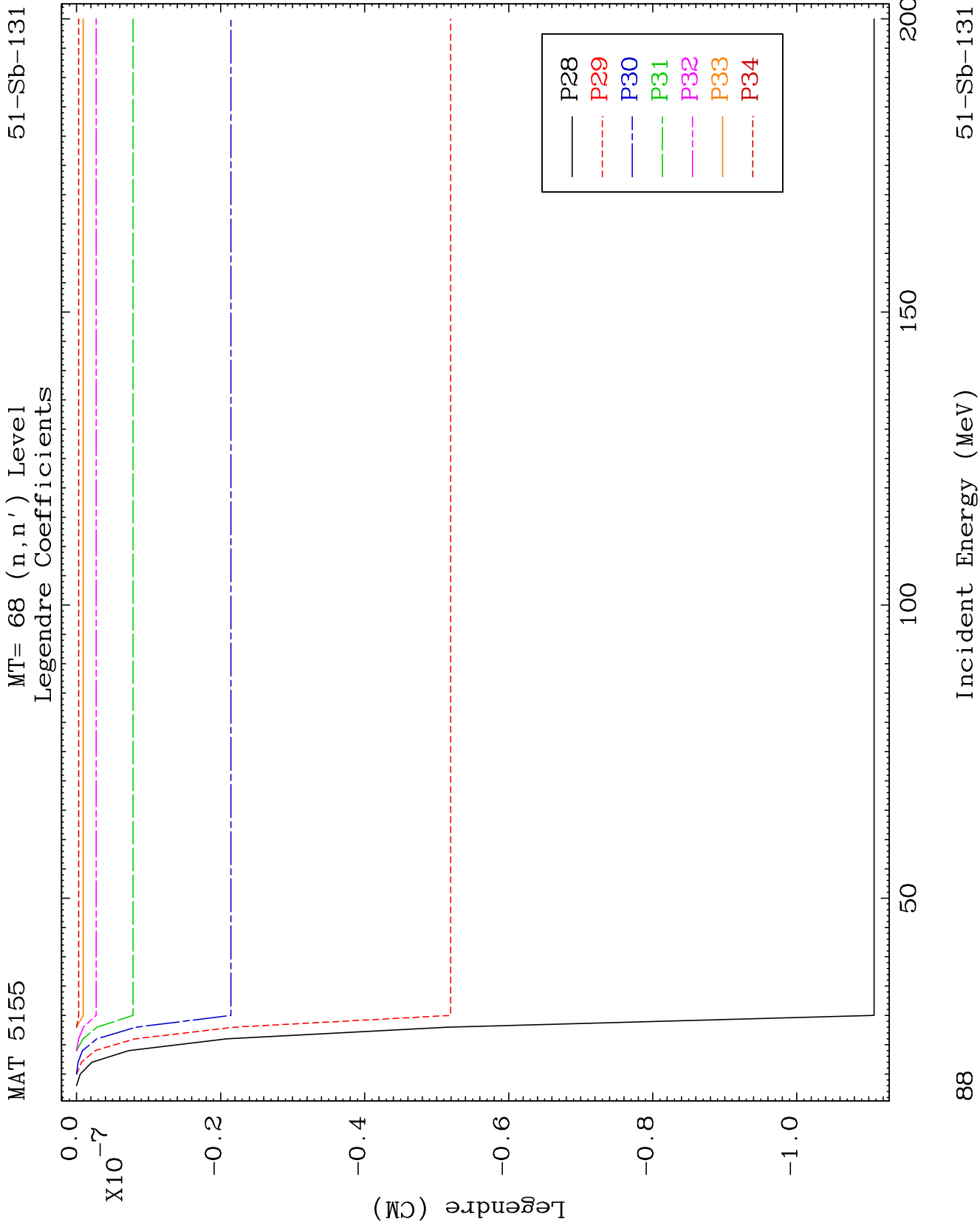
51-Sb-131



87

Incident Energy (MeV)

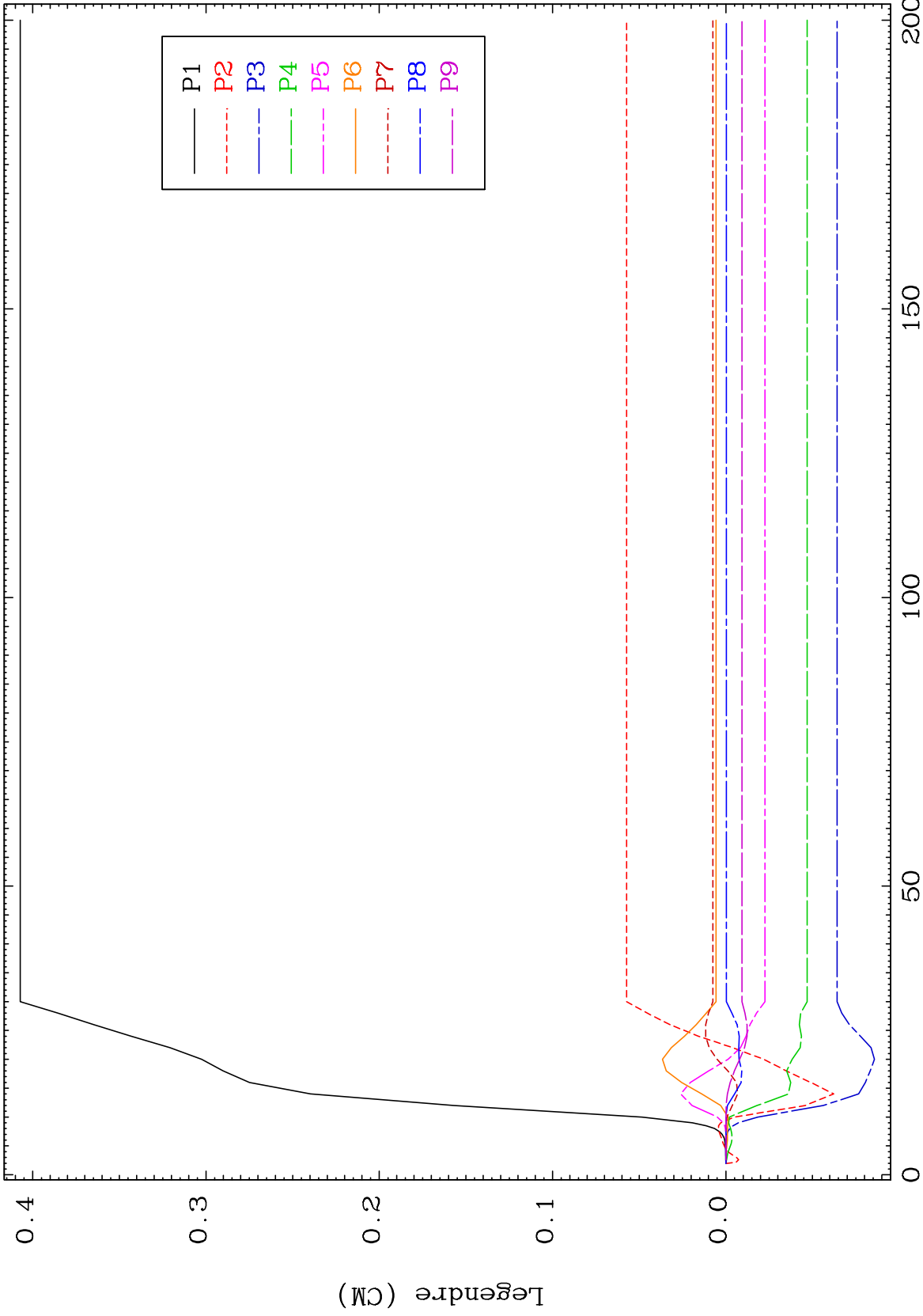
51-Sb-131



MAT 5155

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

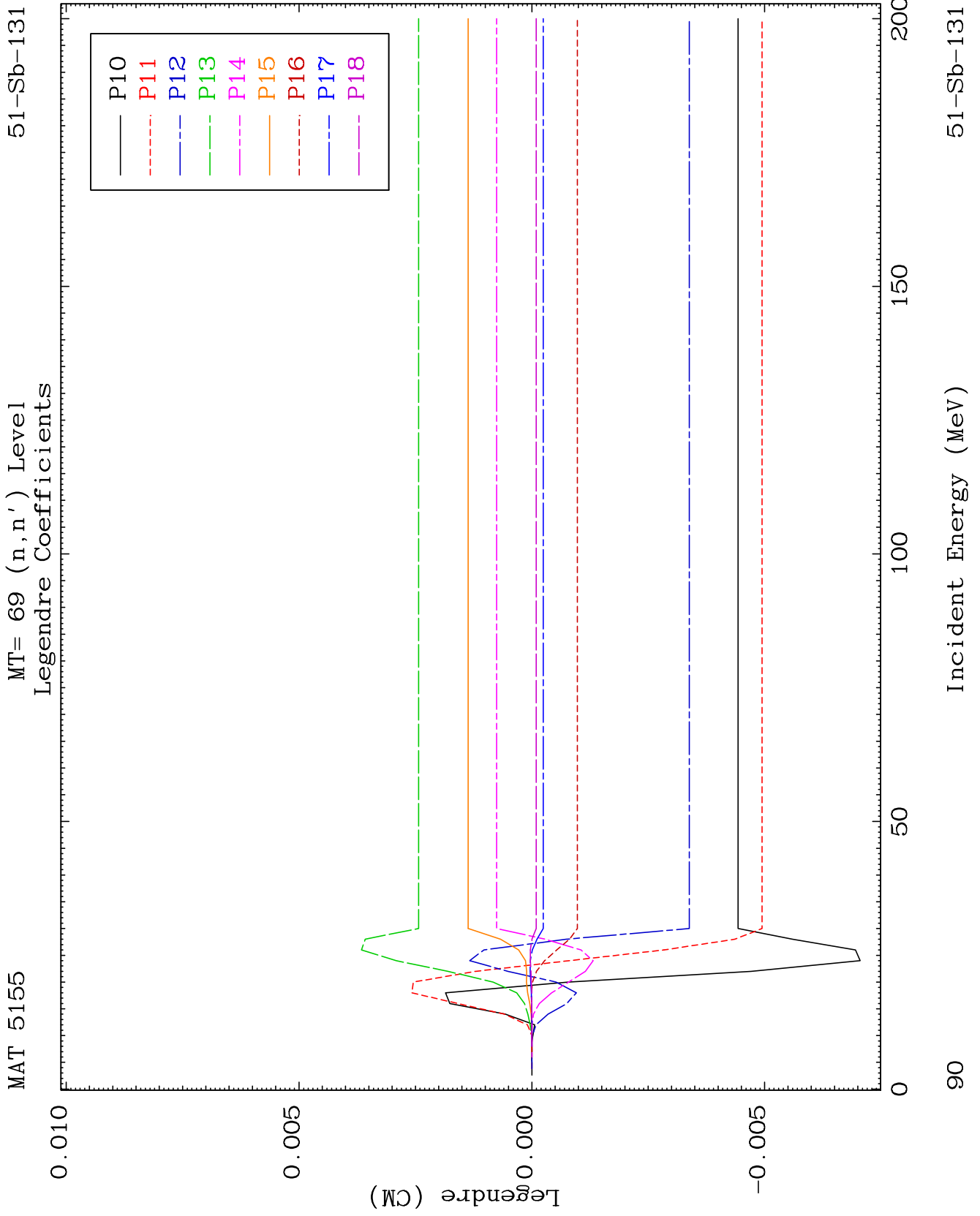
51-Sb-131



89

Incident Energy (MeV)

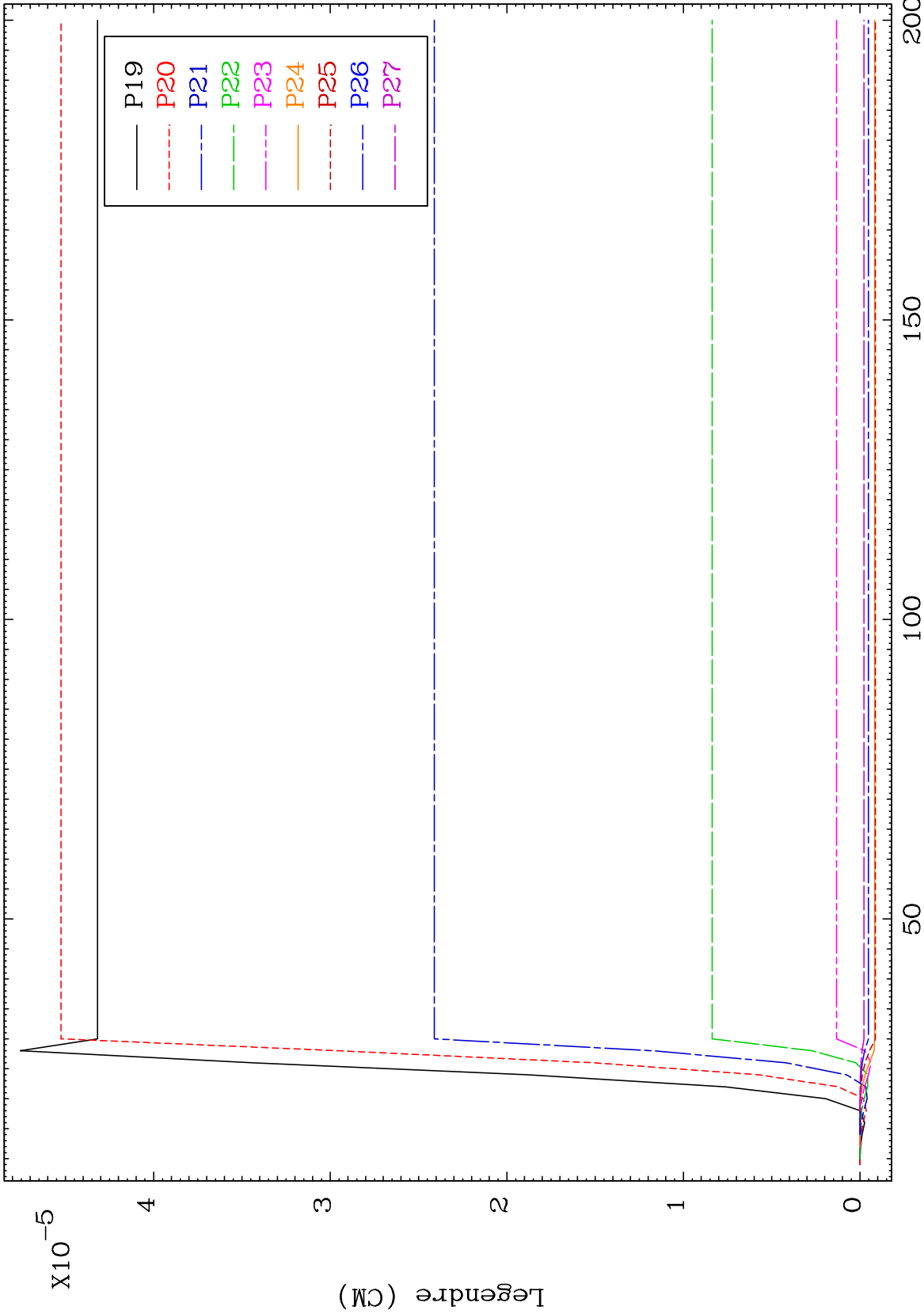
51-Sb-131



MAT 5155

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

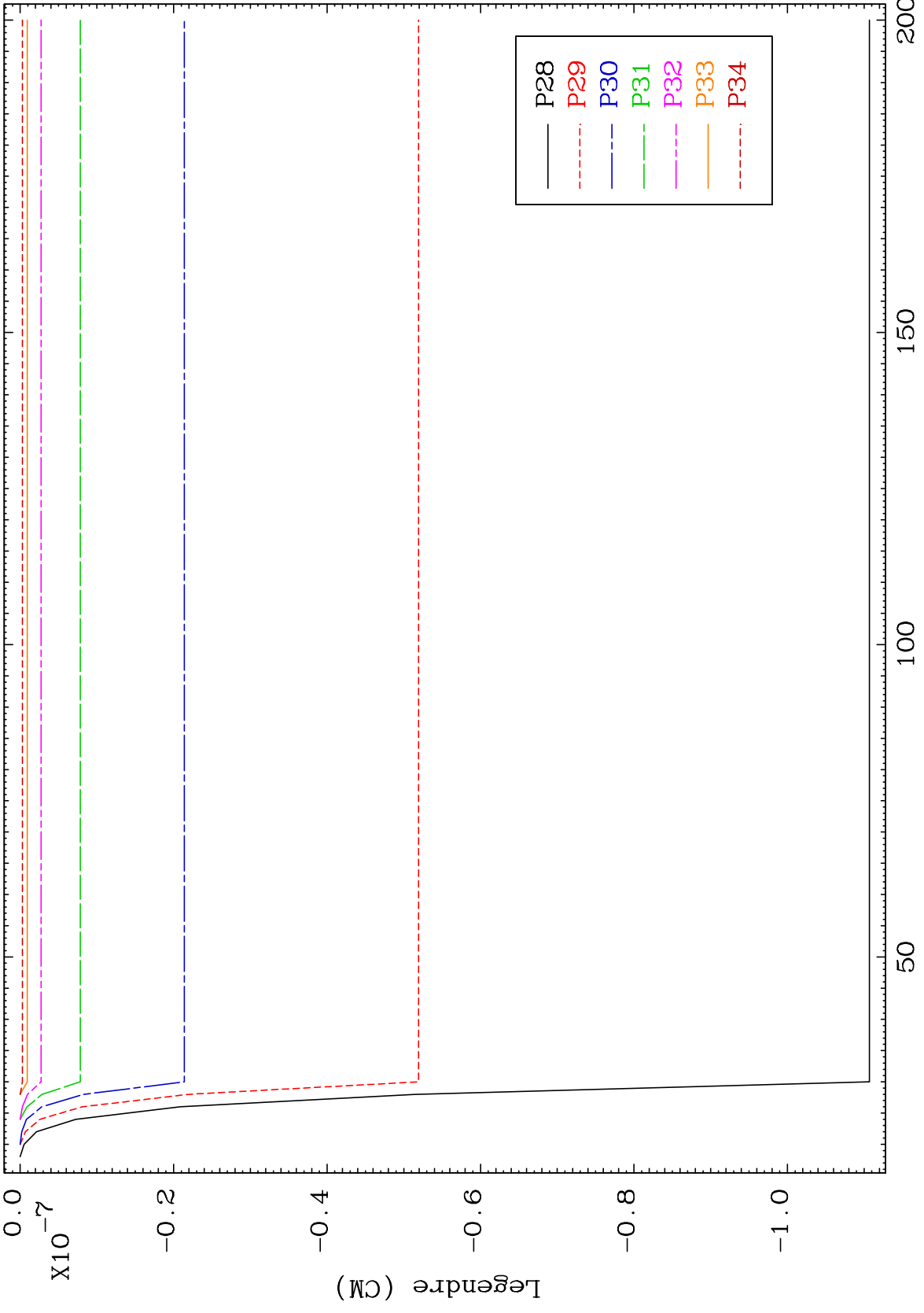
51-Sb-131



91

51-Sb-131

MAT 5155 MT= 69 (n,n') Level Legendre Coefficients 51-Sb-131

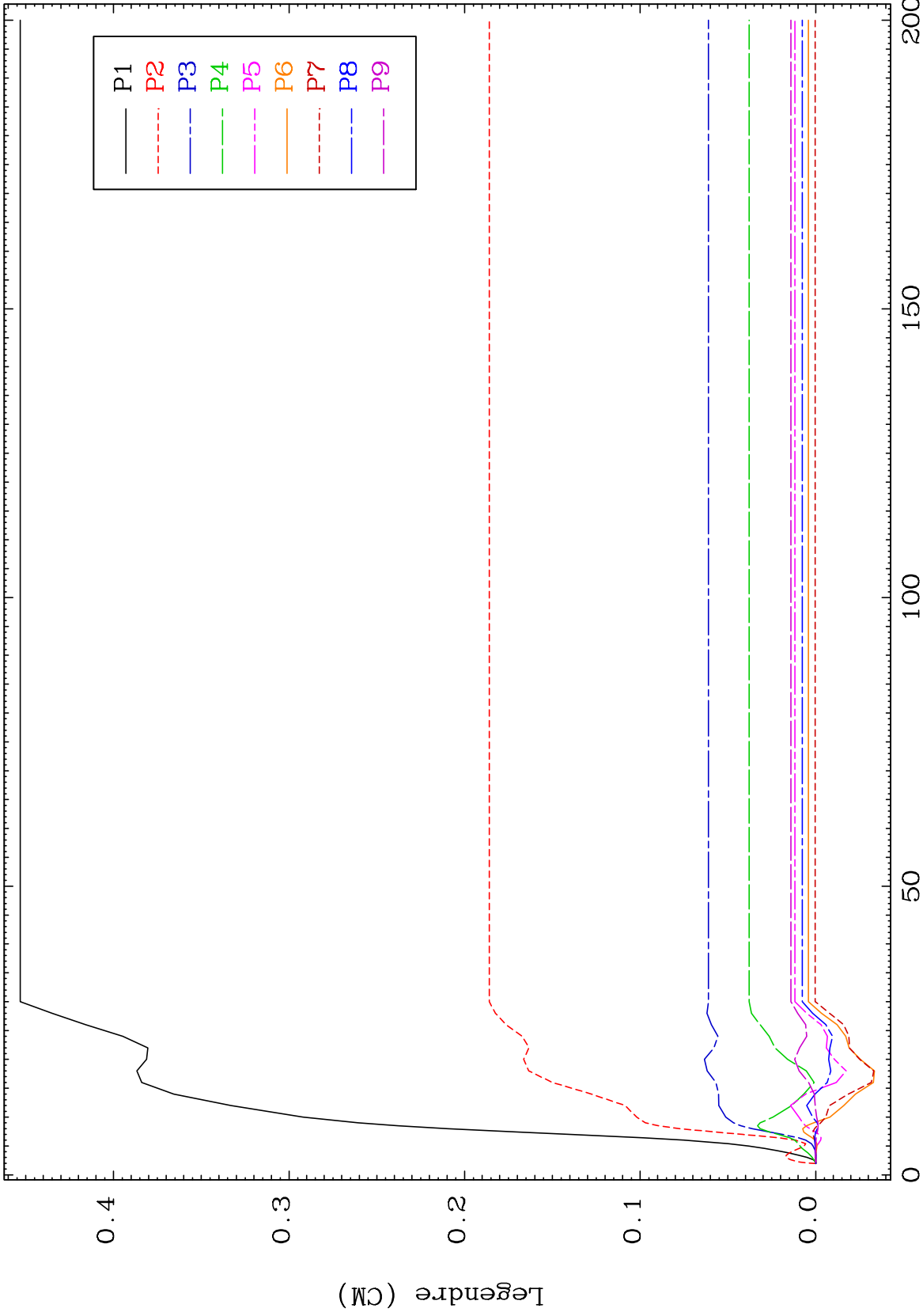


92 51-Sb-131

MAT 5155

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

51-Sb-131



93

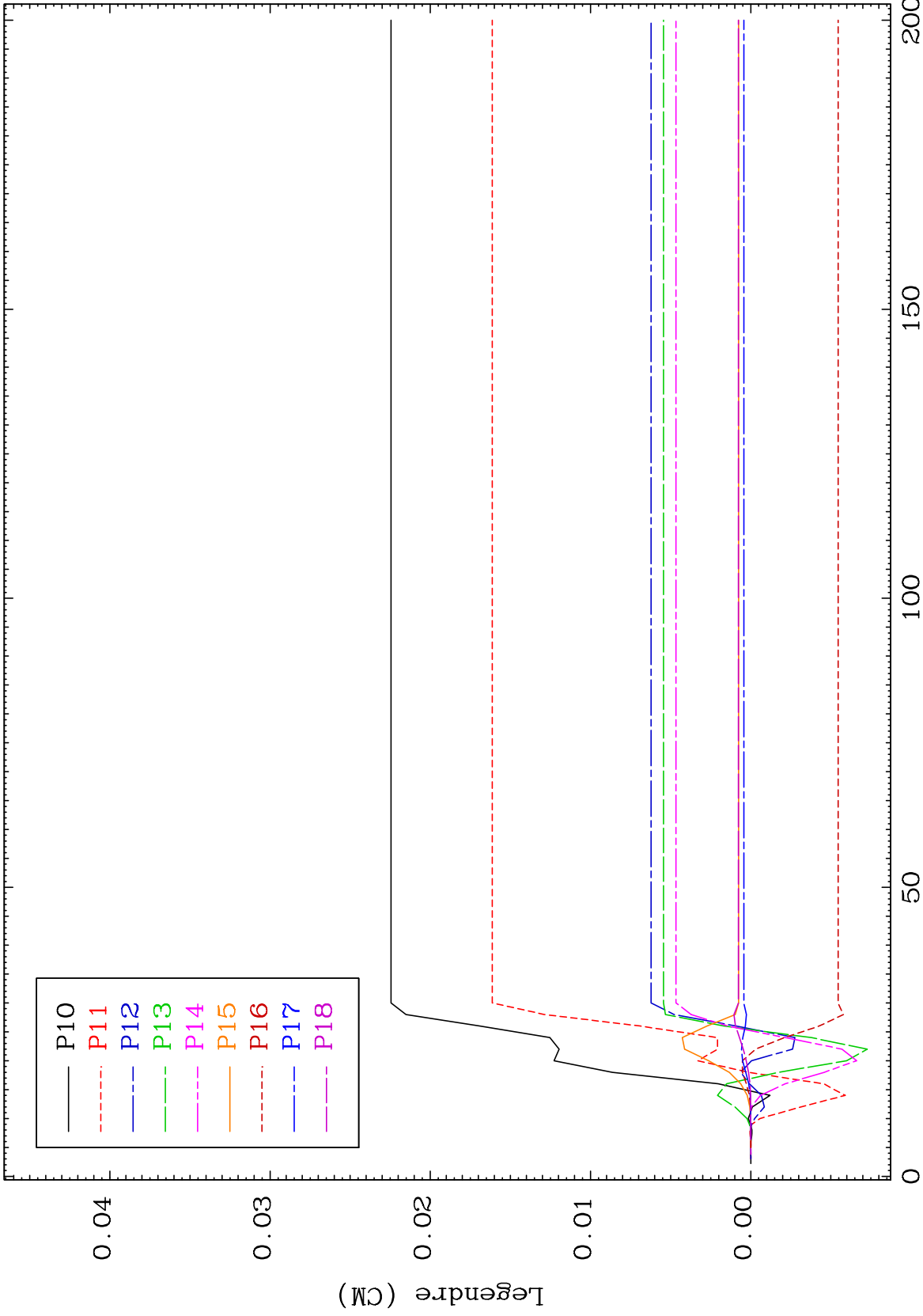
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



94

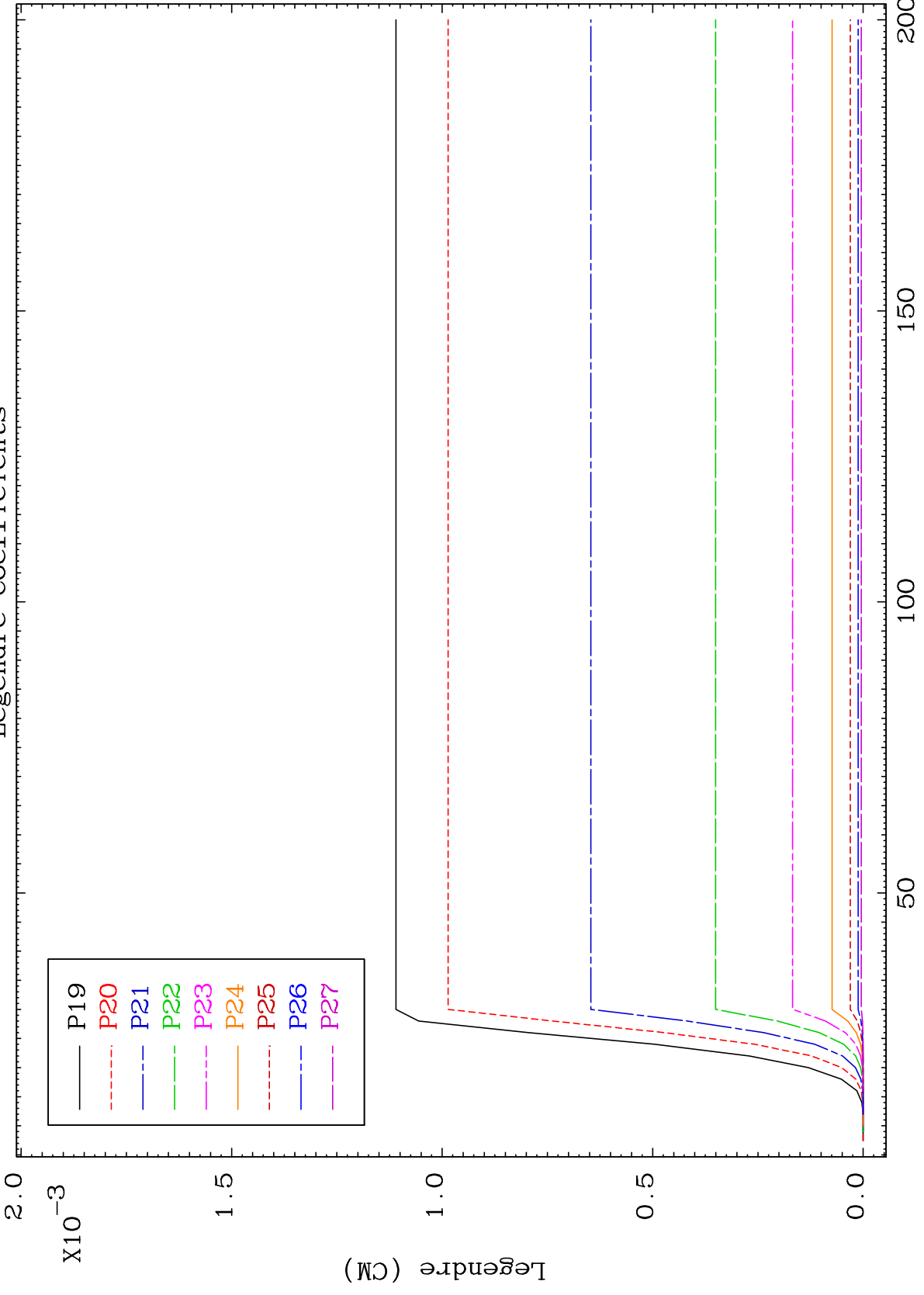
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



95

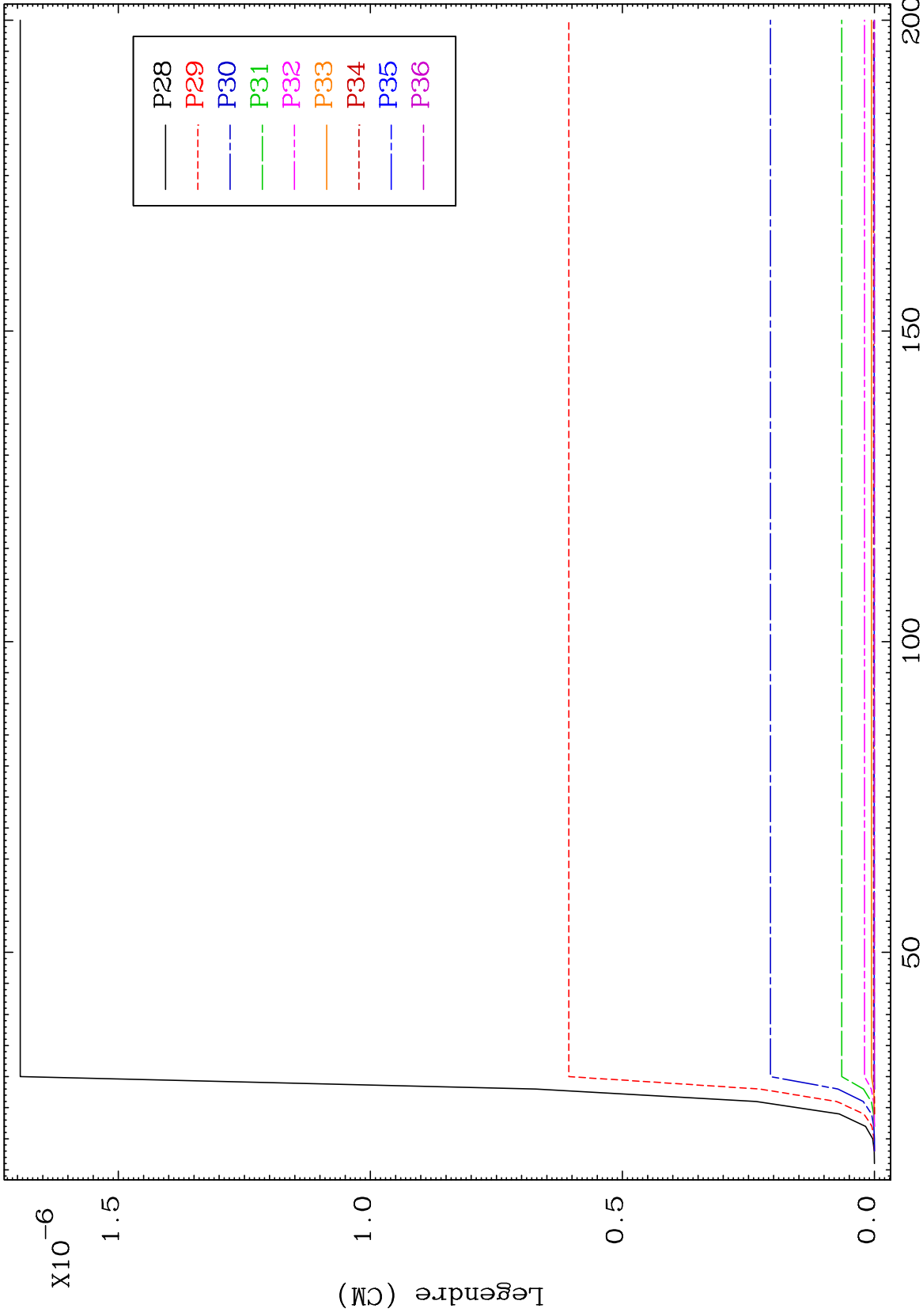
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



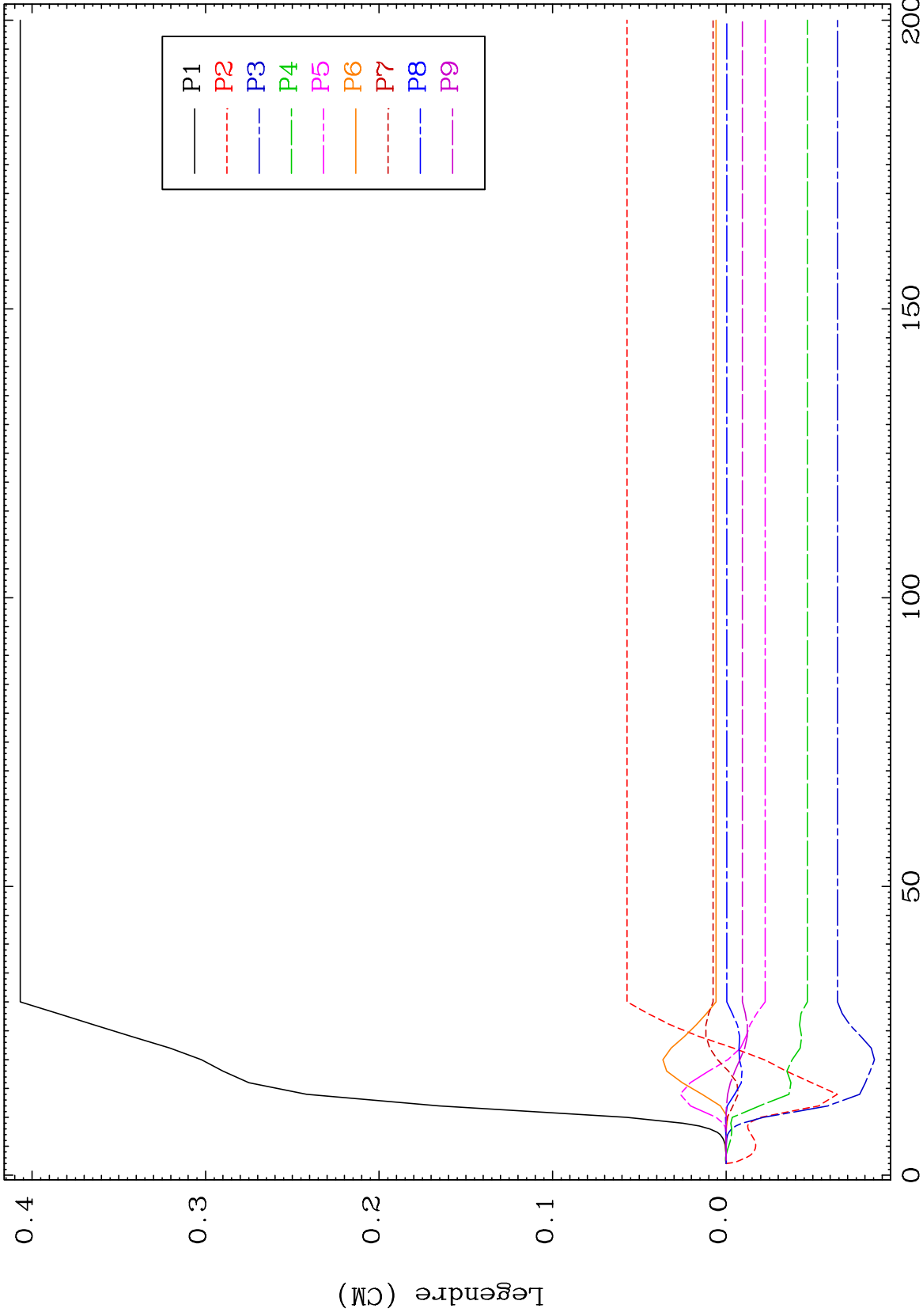
96

51-Sb-131

MAT 5155

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

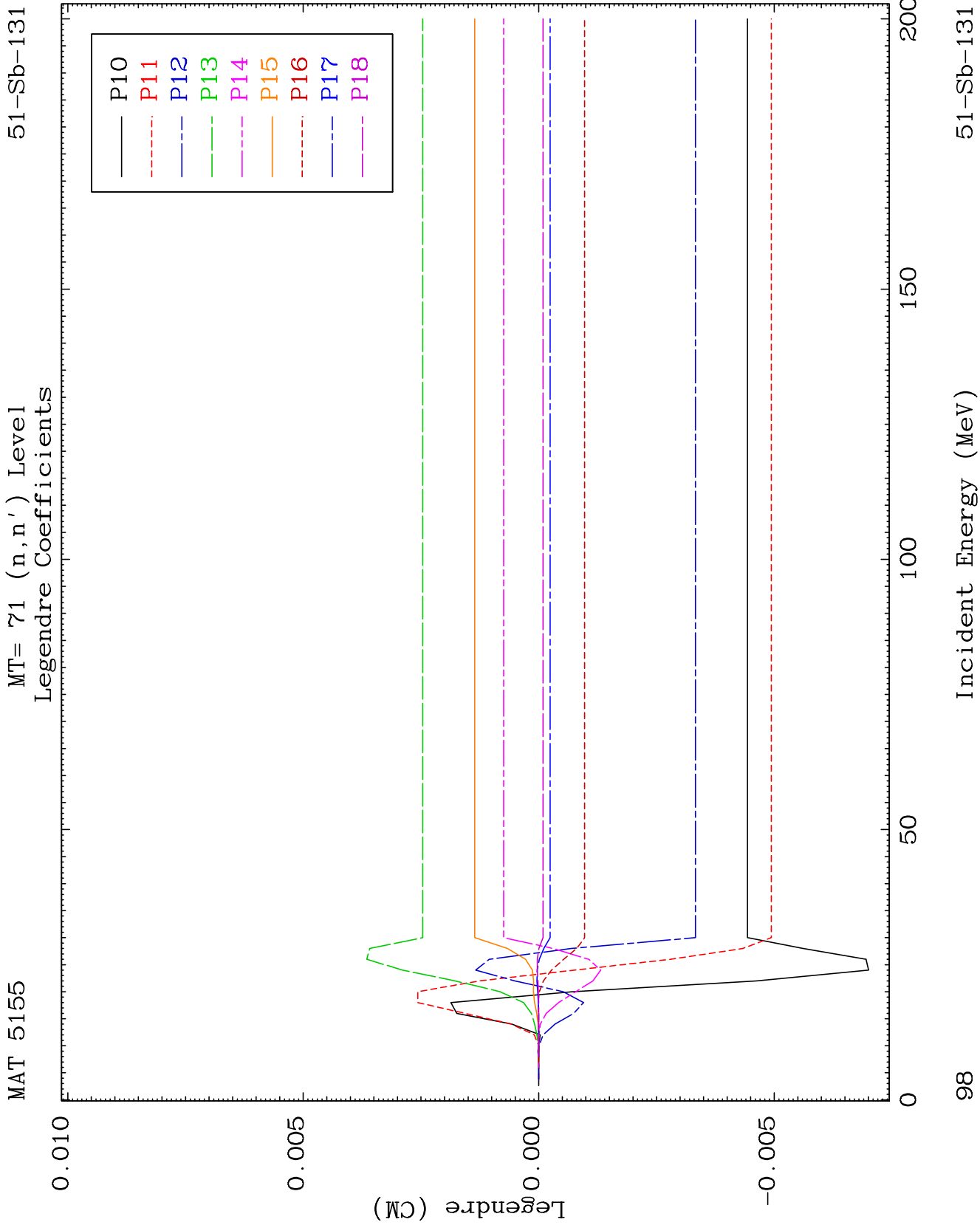
51-Sb-131



97

Incident Energy (MeV)

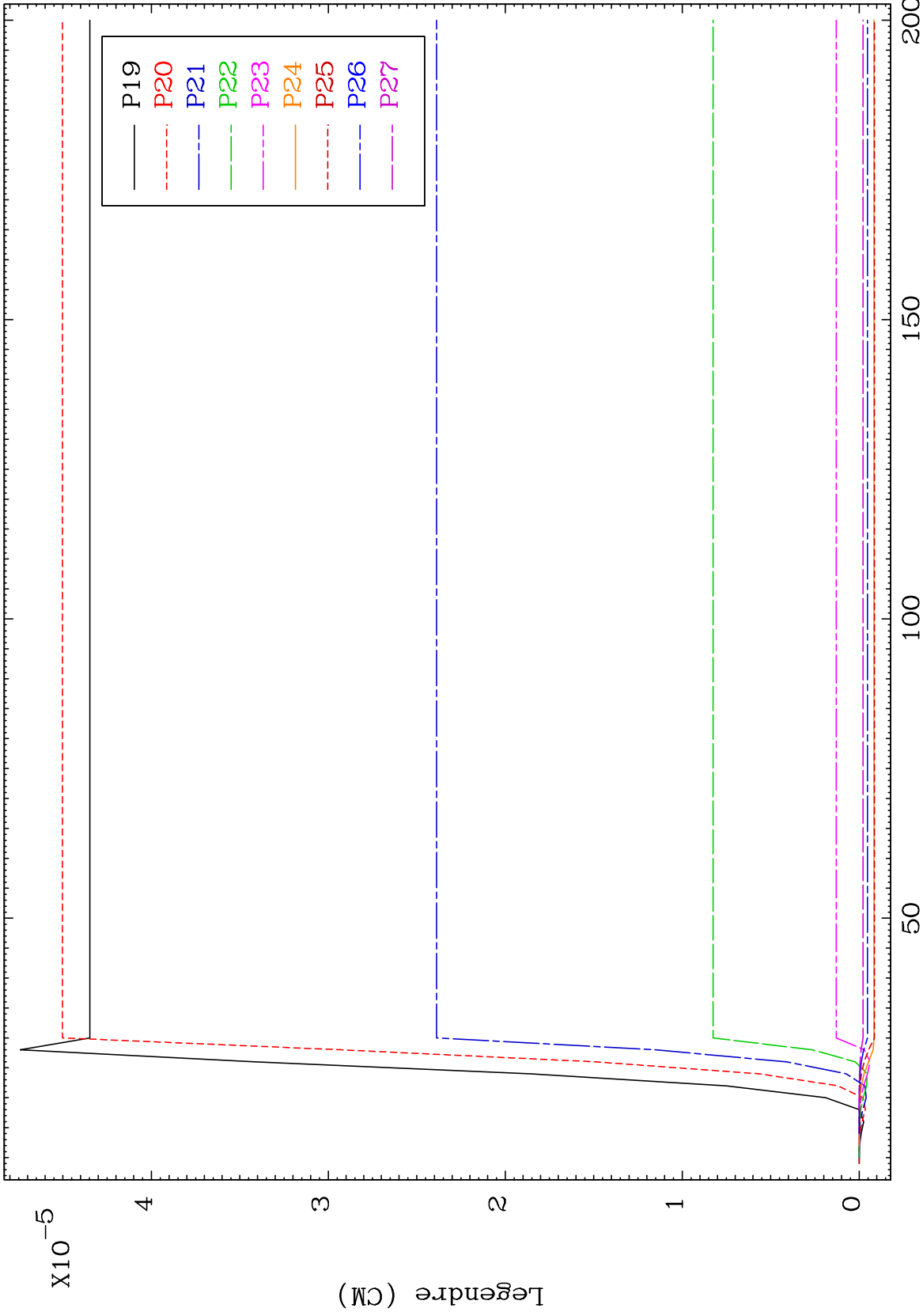
51-Sb-131



MAT 5155

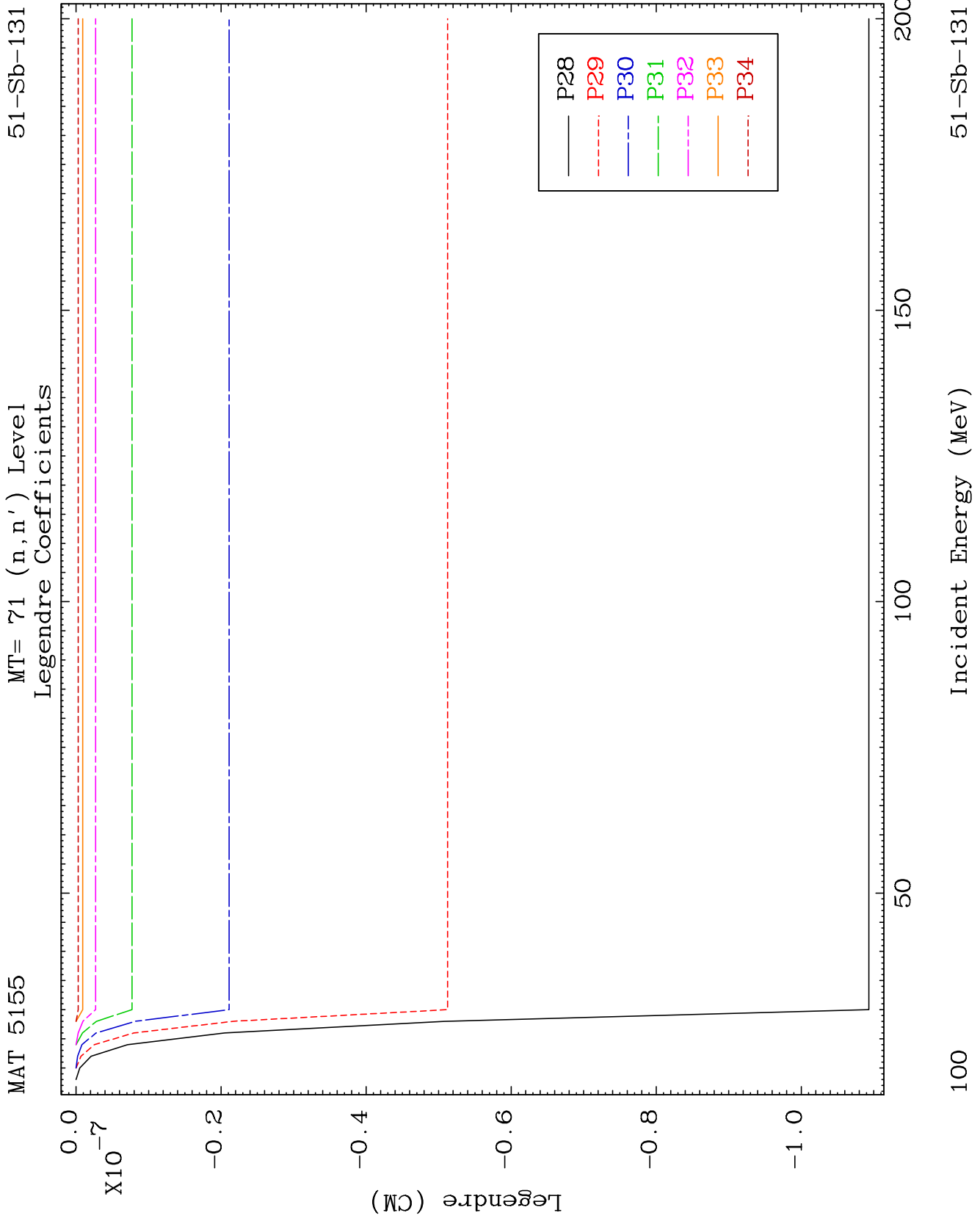
MT= 71 (n,n') Level
Legendre Coefficients

51-Sb-131



99

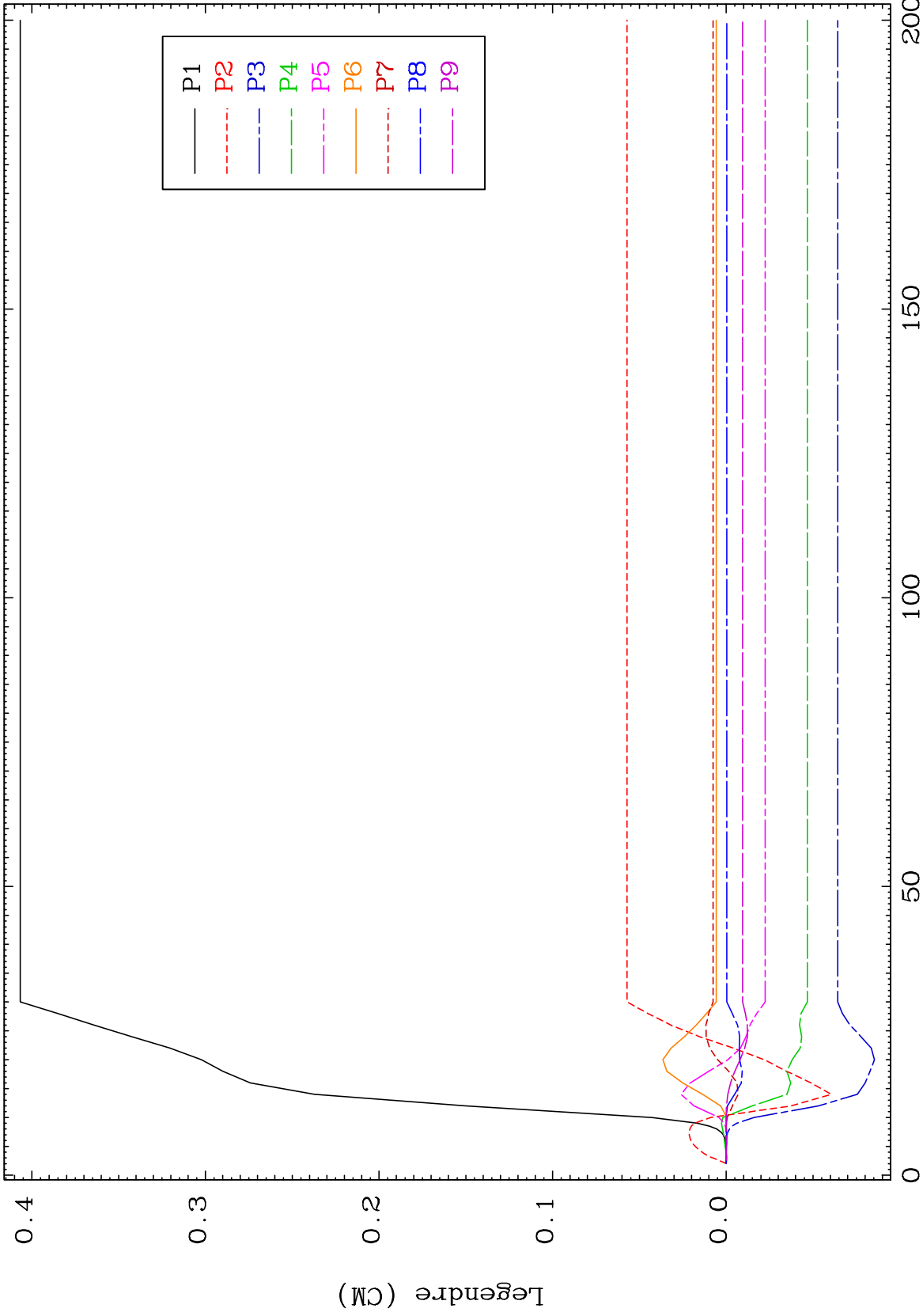
51-Sb-131



MAT 5155

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

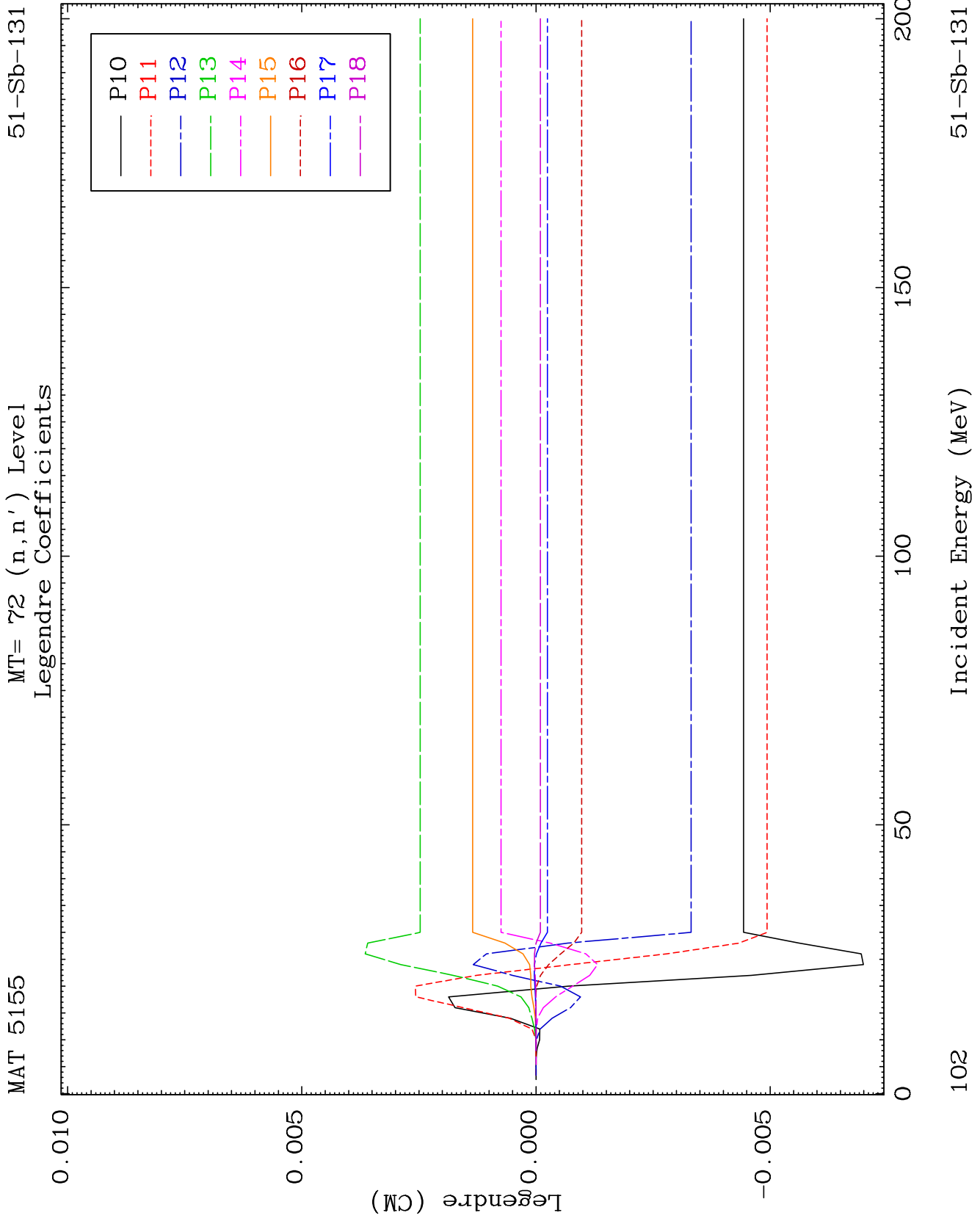
51-Sb-131



101

Incident Energy (MeV)

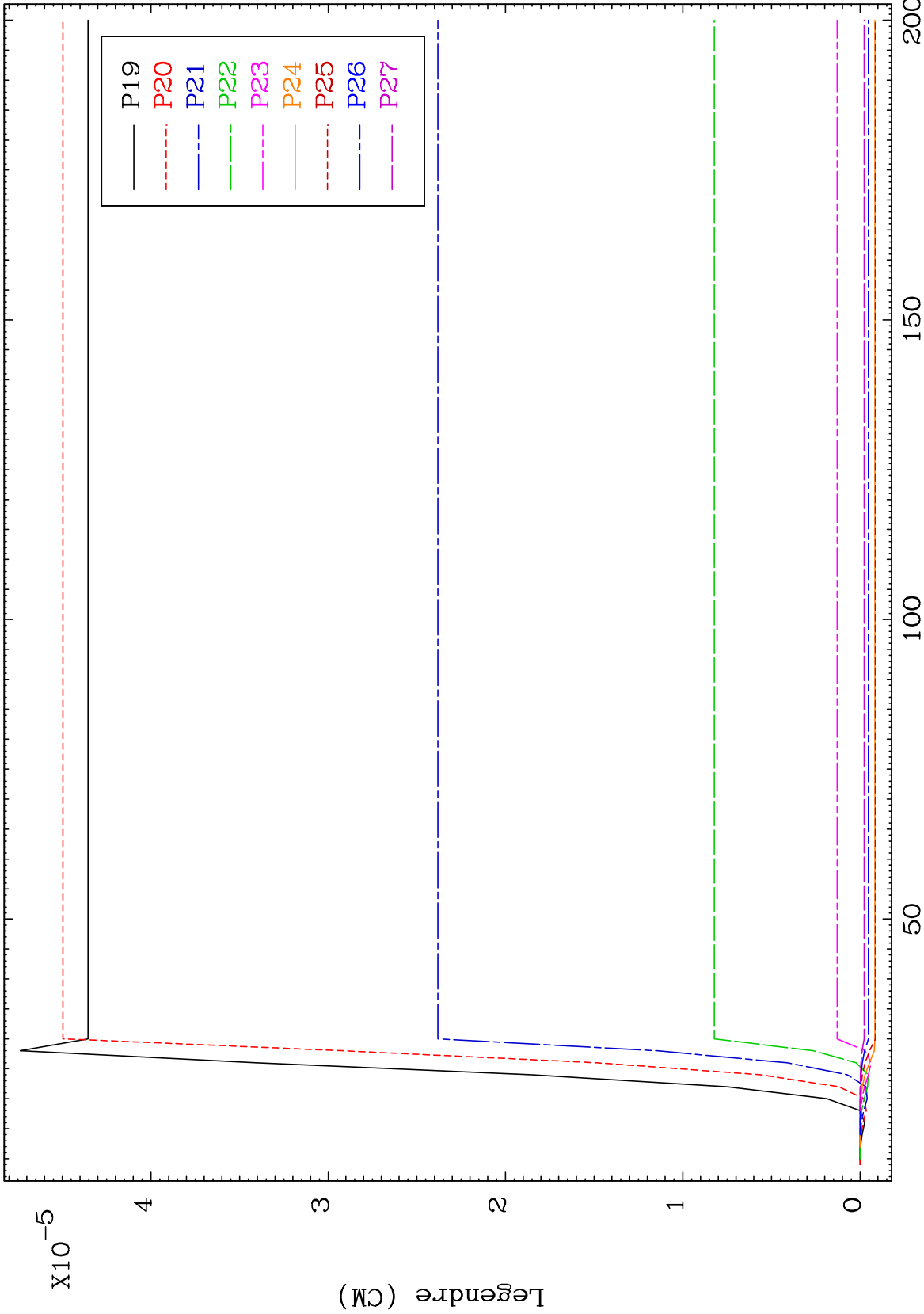
51-Sb-131



MAT 5155

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

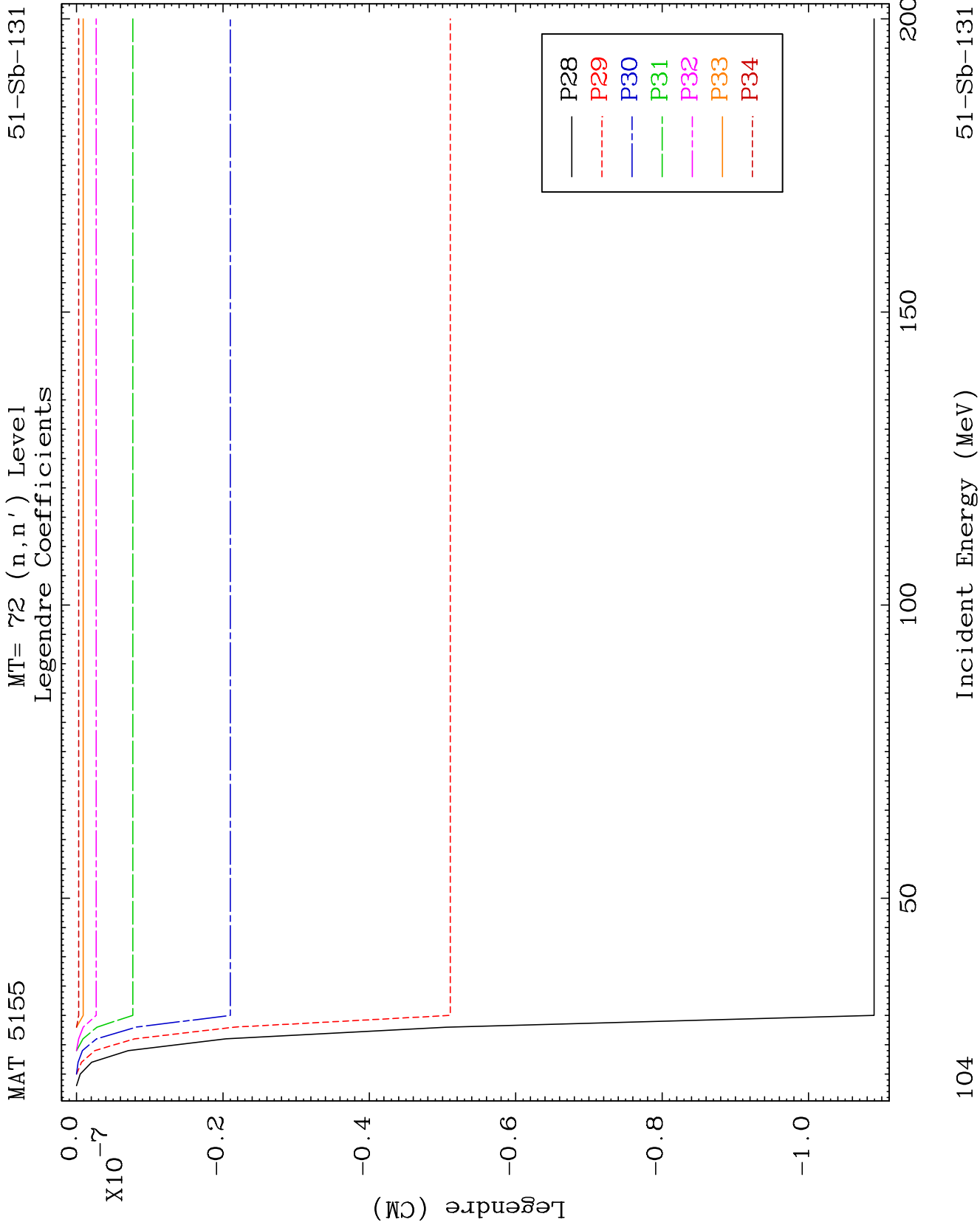
51-Sb-131



103

Incident Energy (MeV)

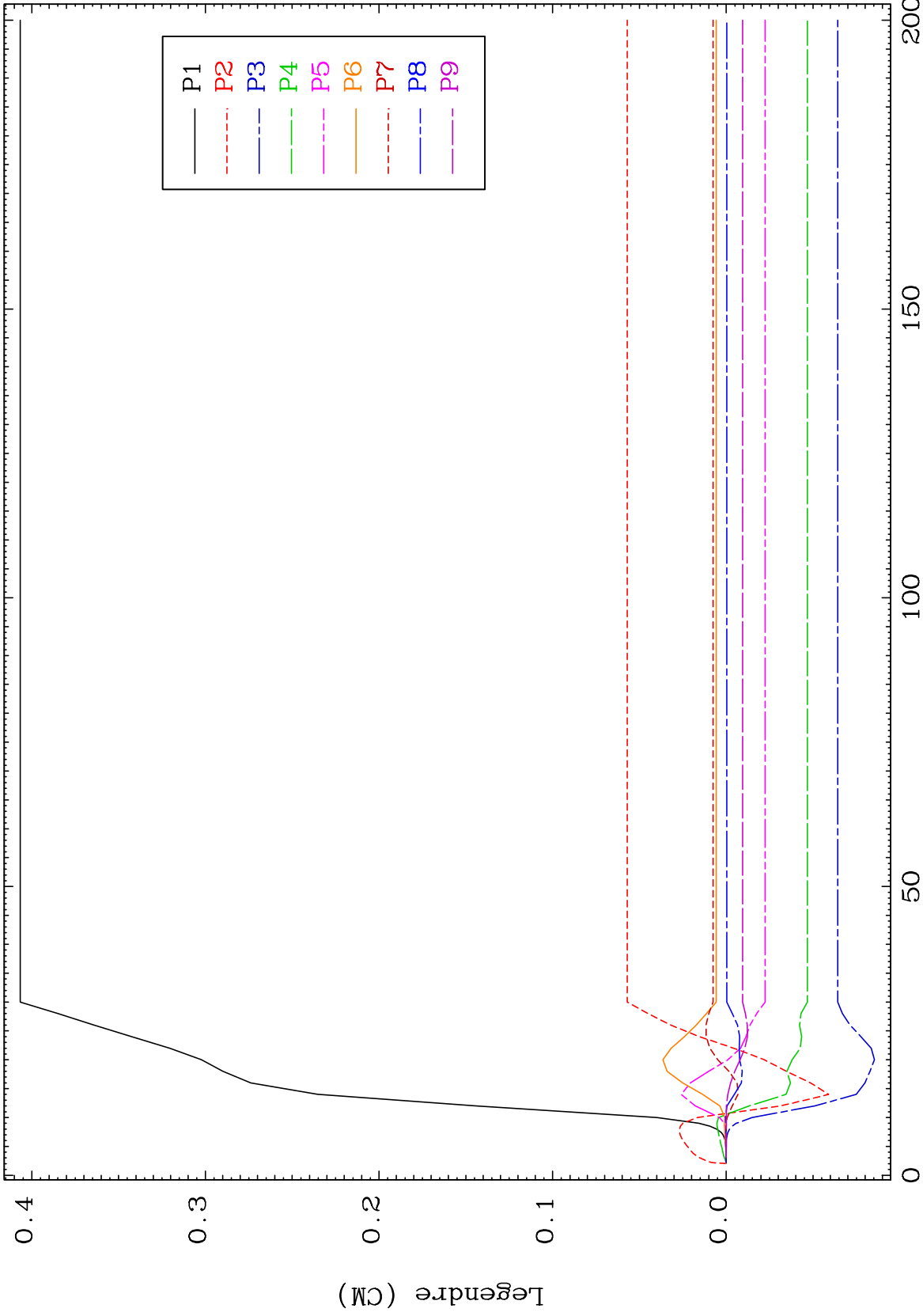
51-Sb-131



MAT 5155

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

51-Sb-131



51-Sb-131

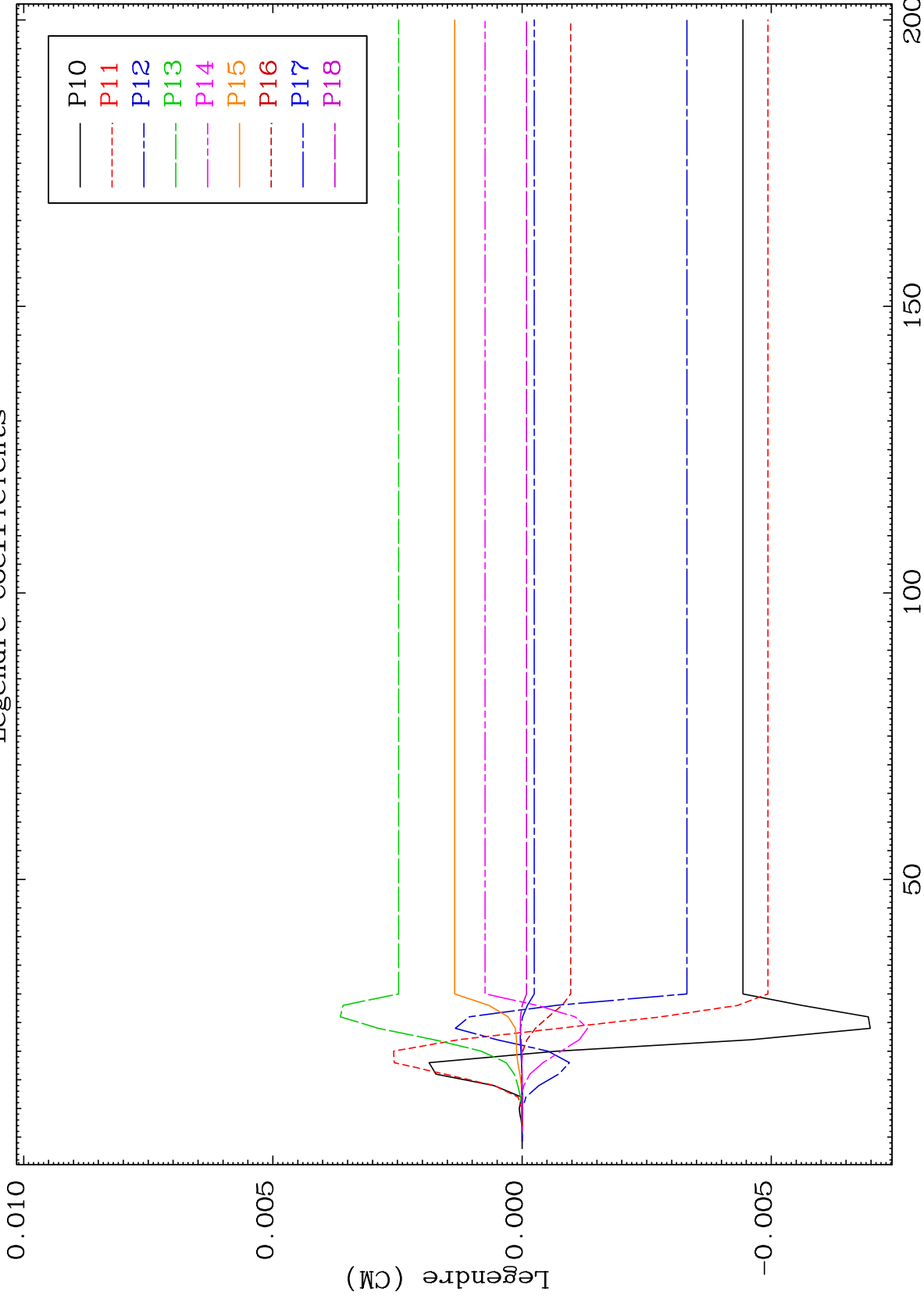
Incident Energy (MeV)

105

MAT 5155

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

51-Sb-131



106

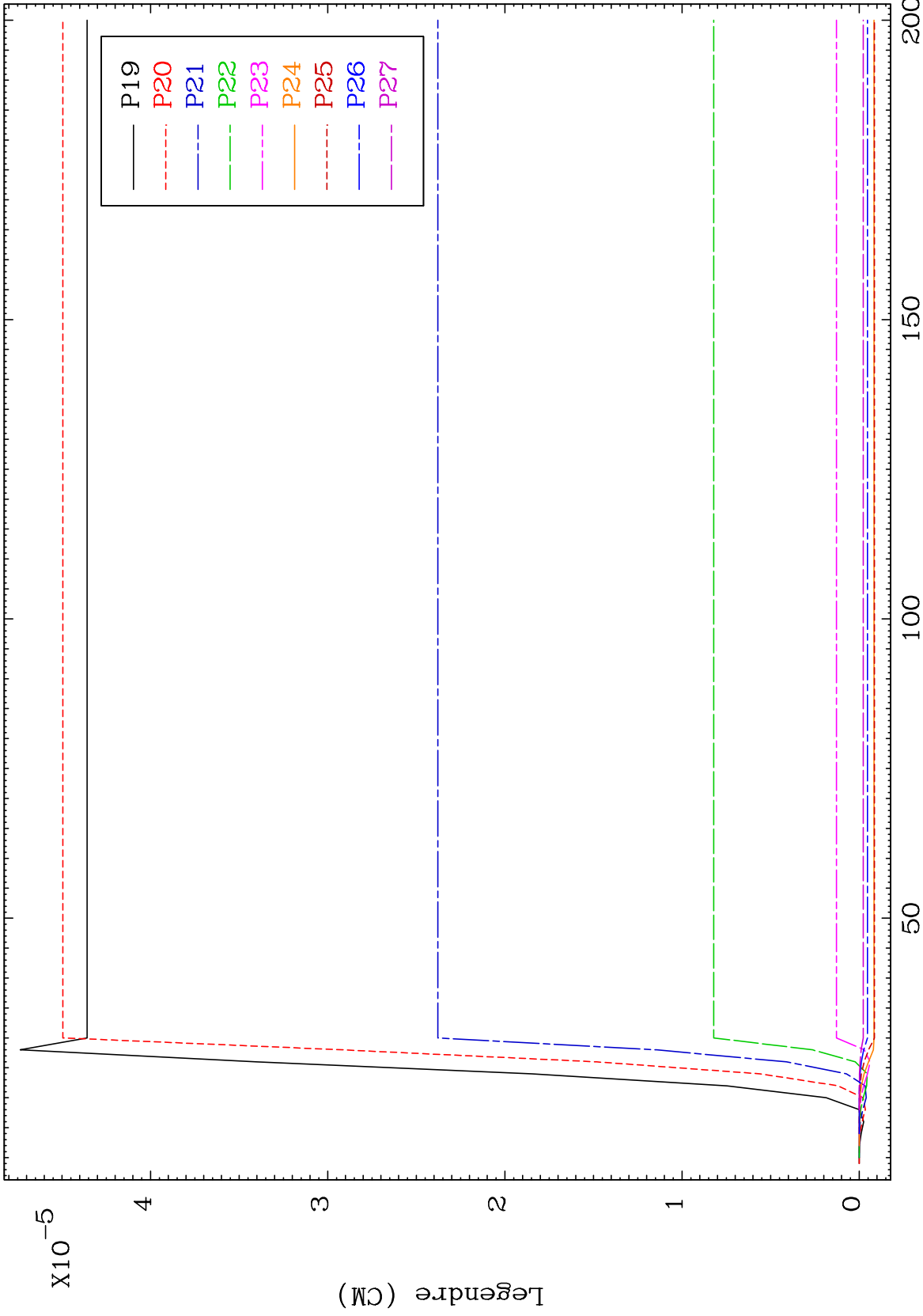
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

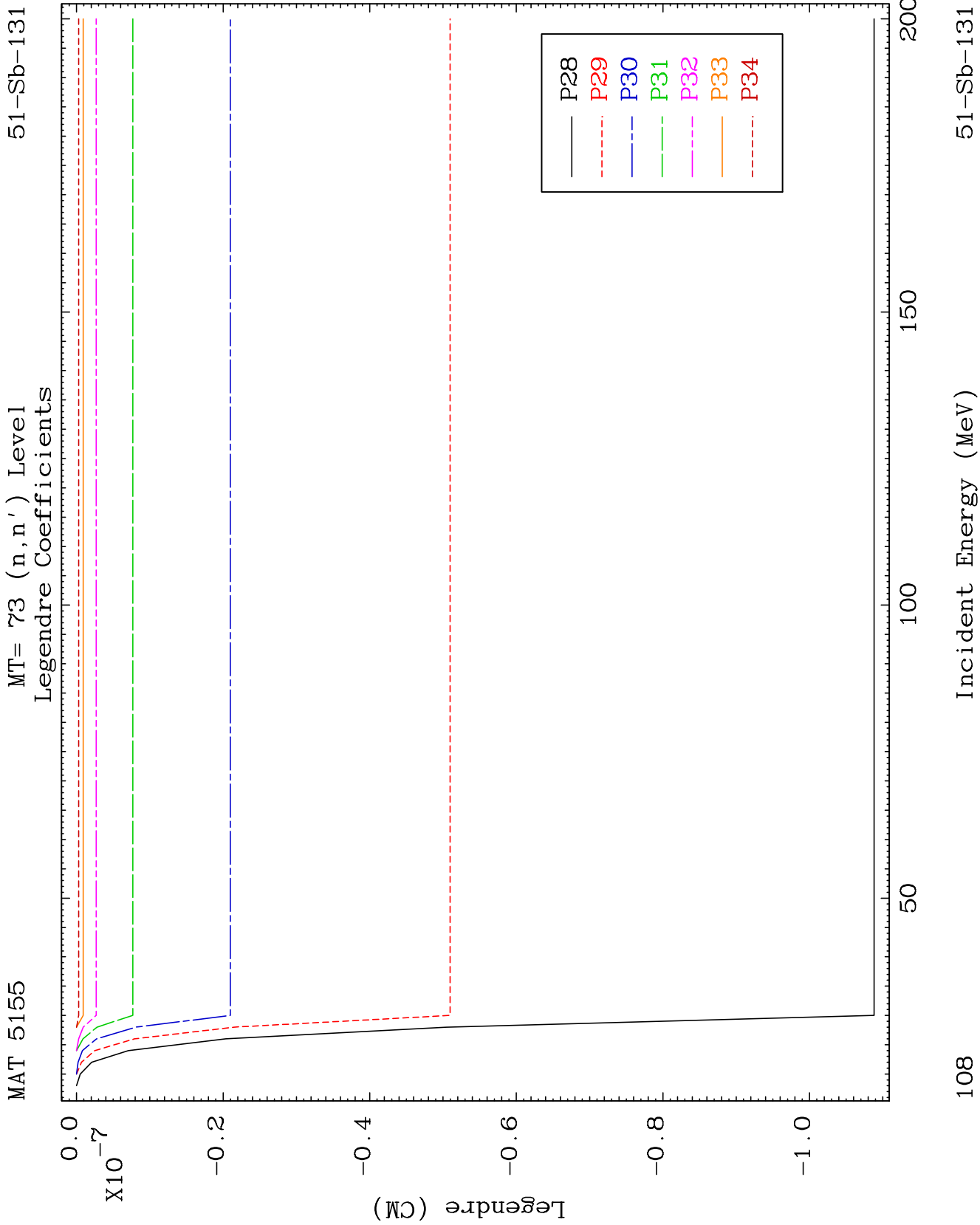
51-Sb-131



107

Incident Energy (MeV)

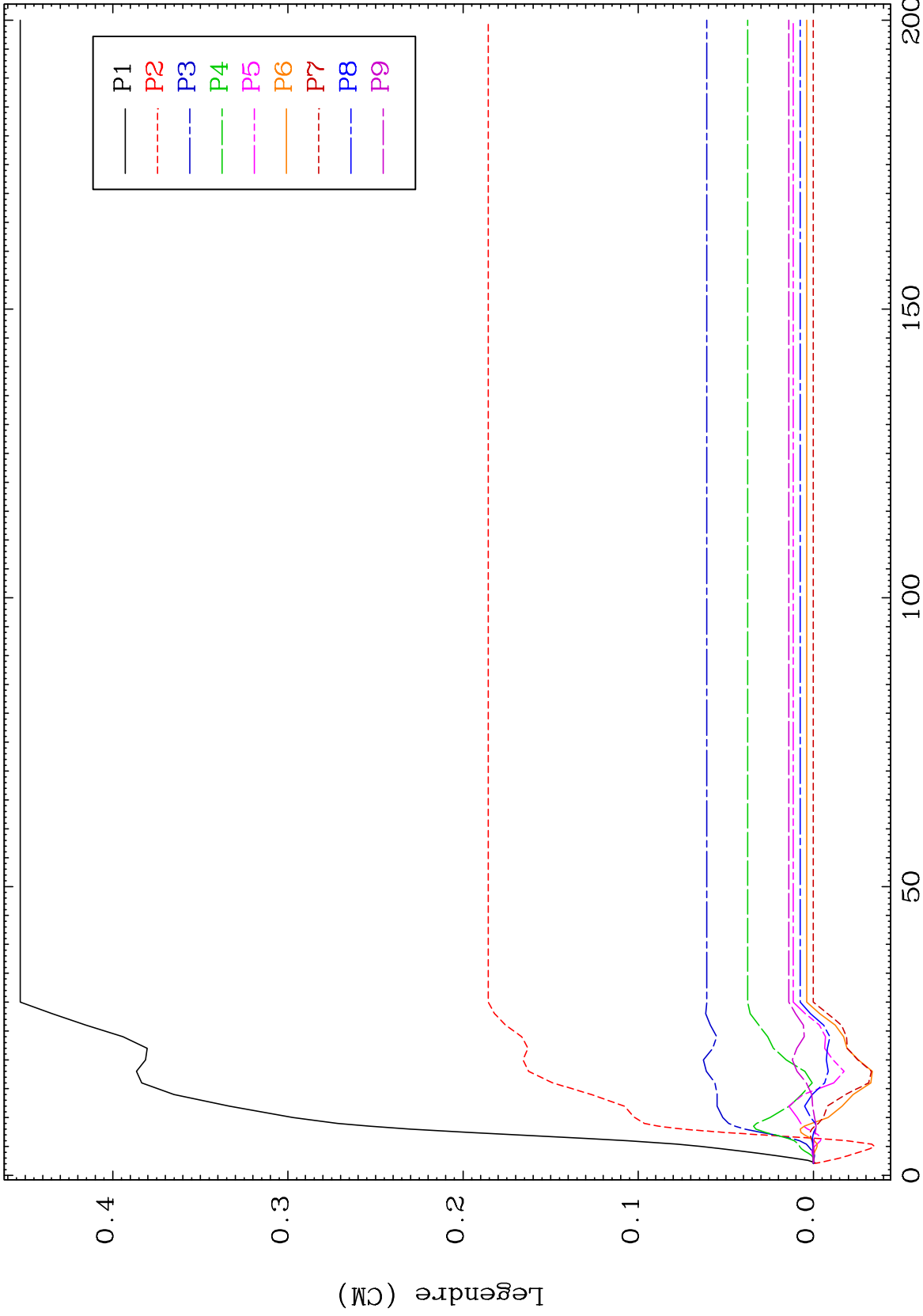
51-Sb-131



MAT 5155

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

51-Sb-131



109

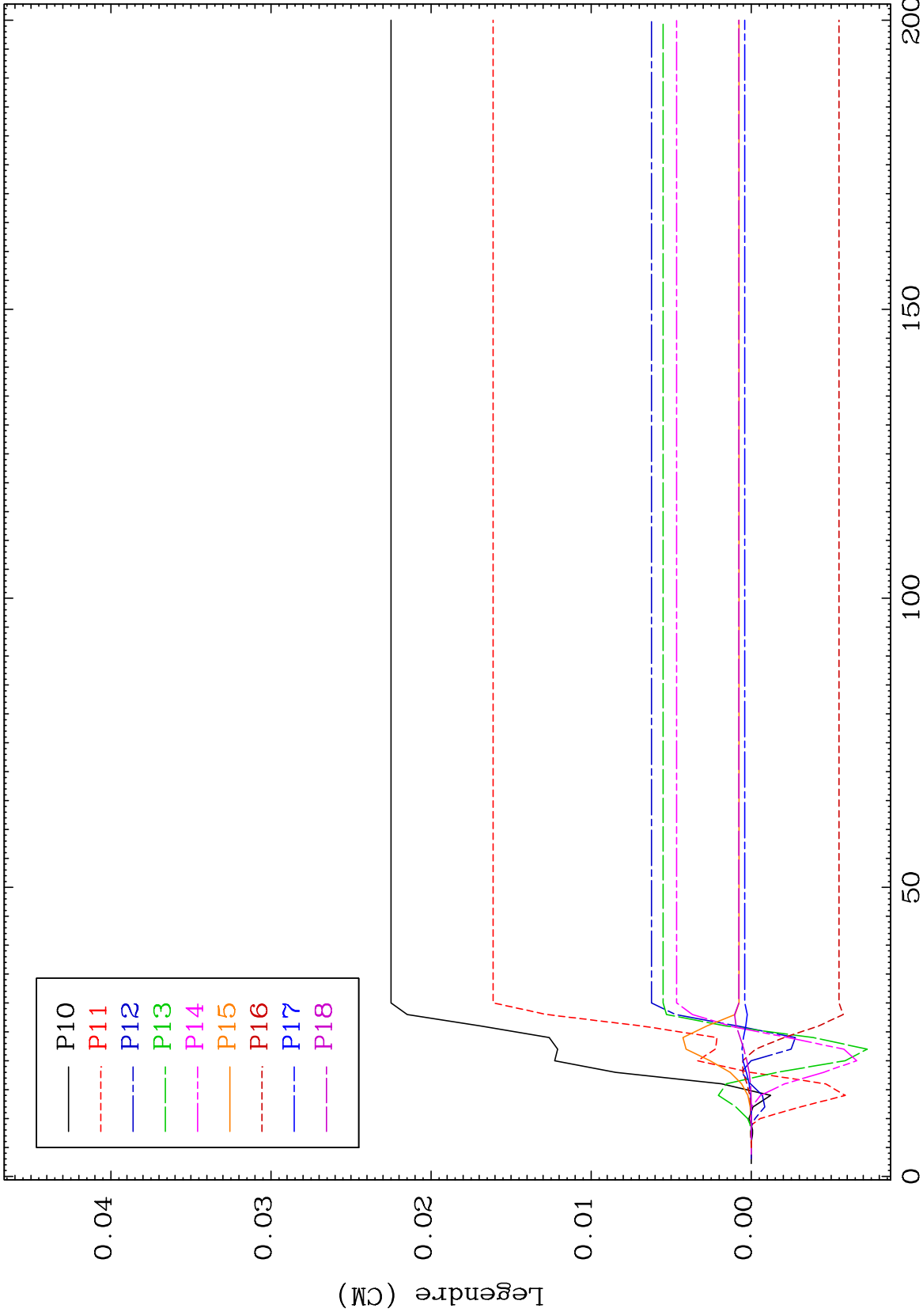
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



110

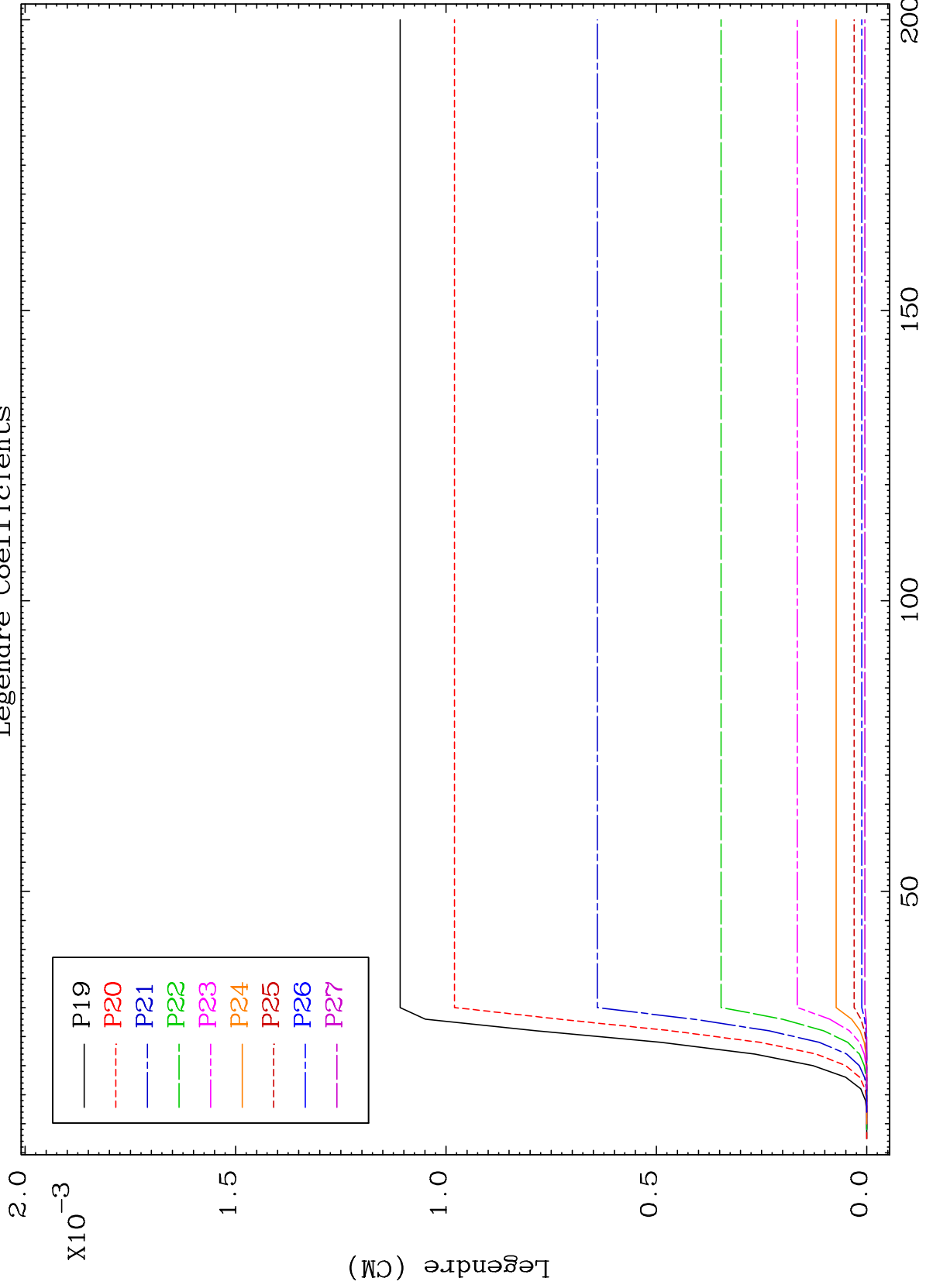
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



111

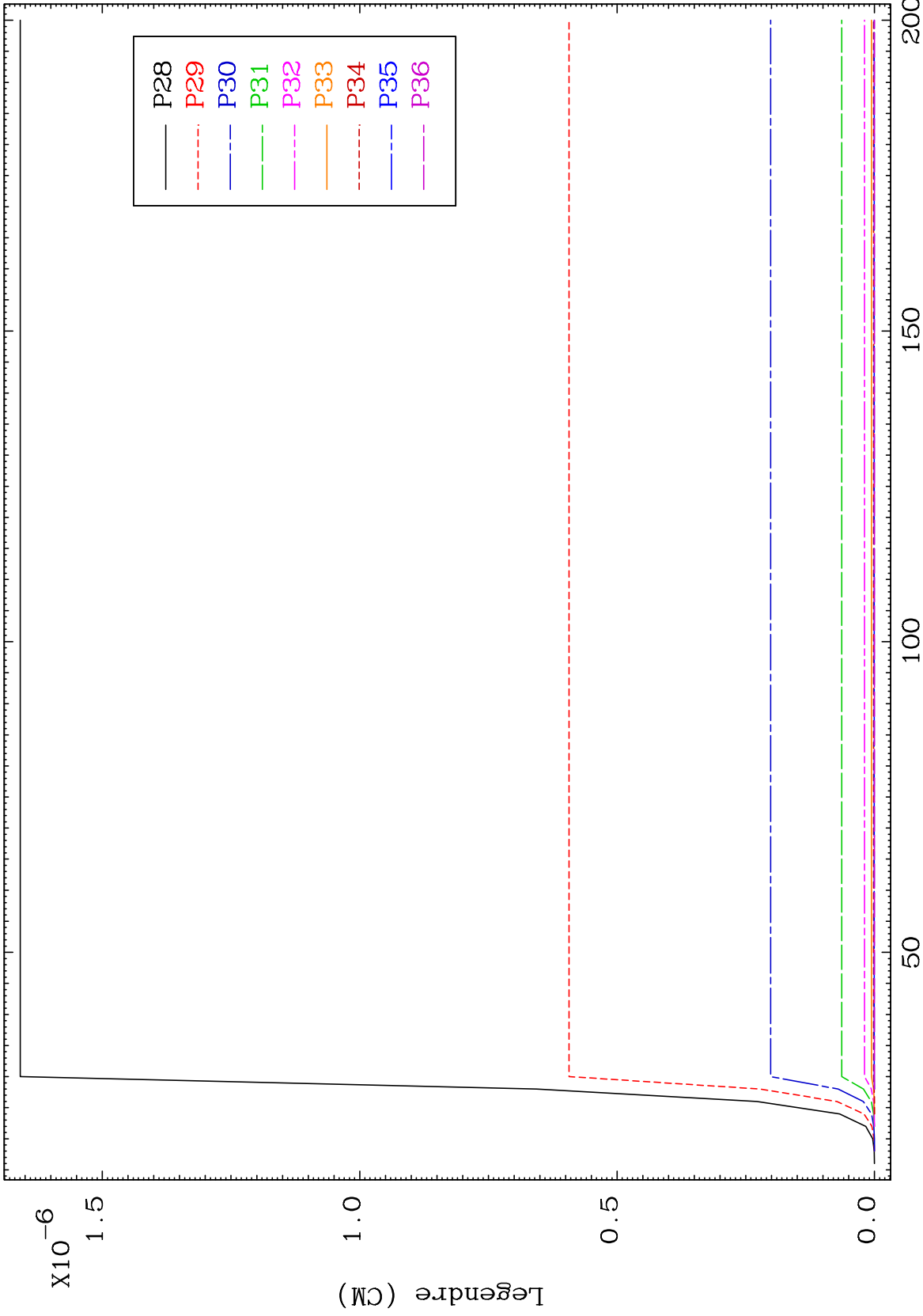
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



112

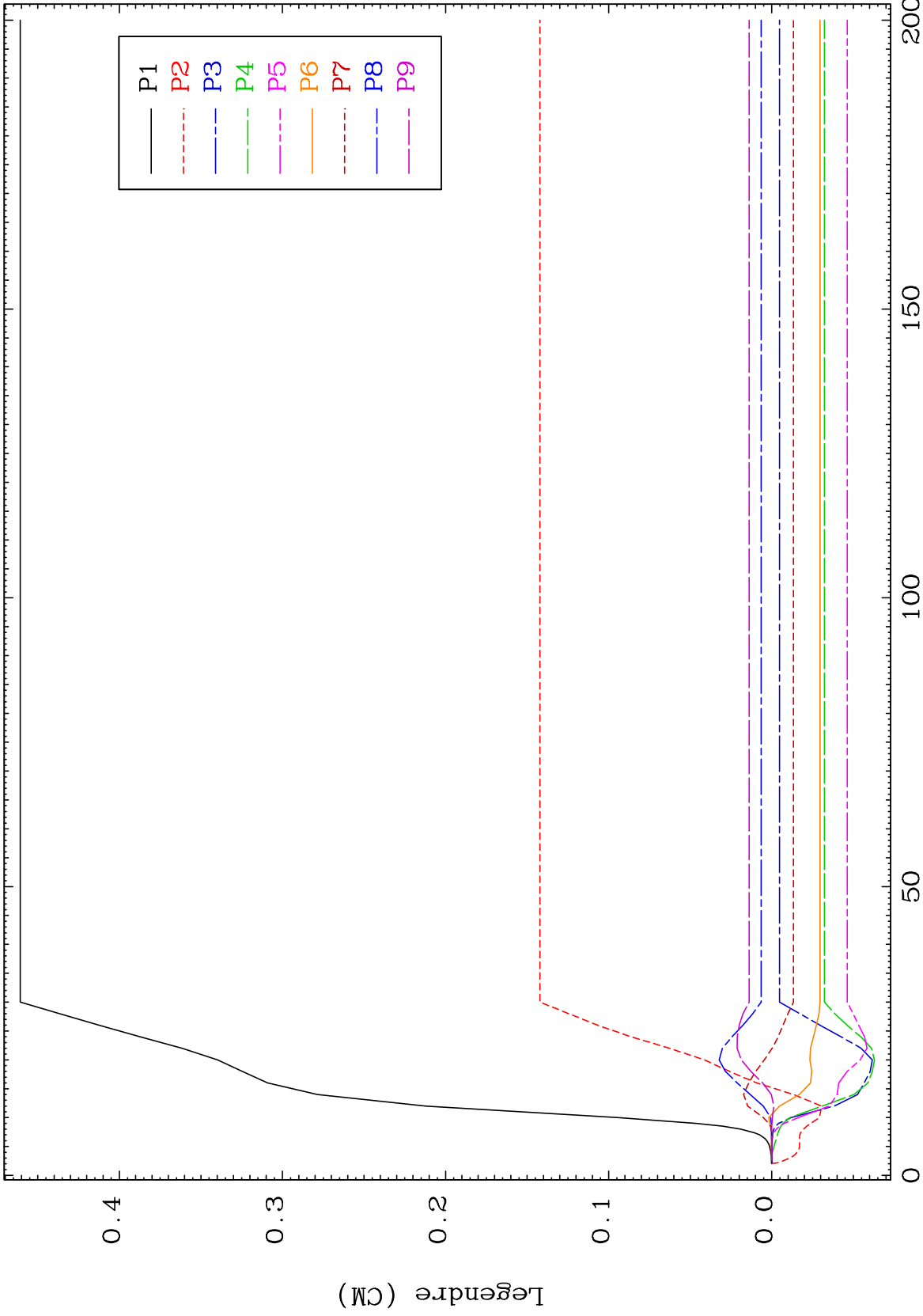
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



113

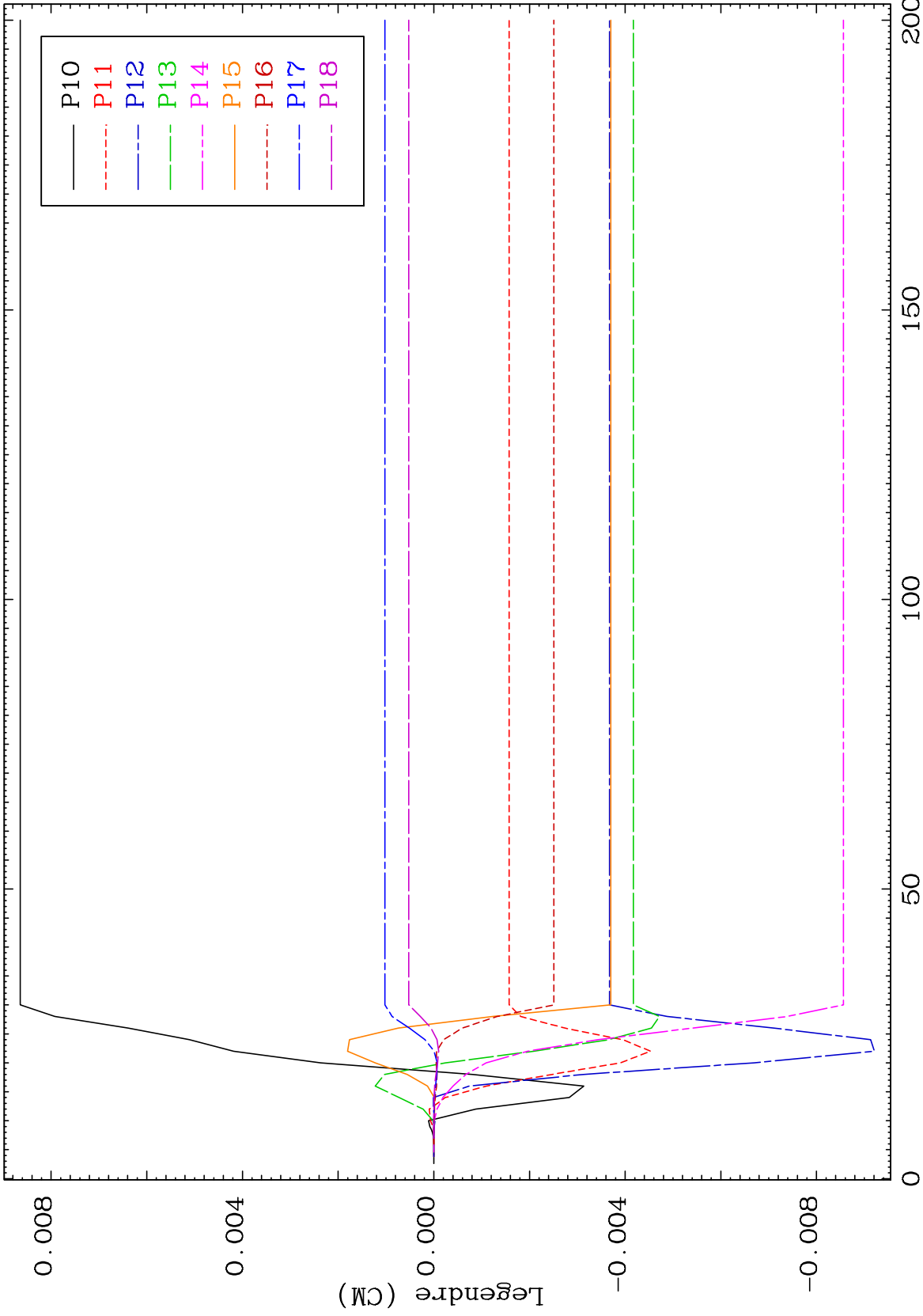
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



114

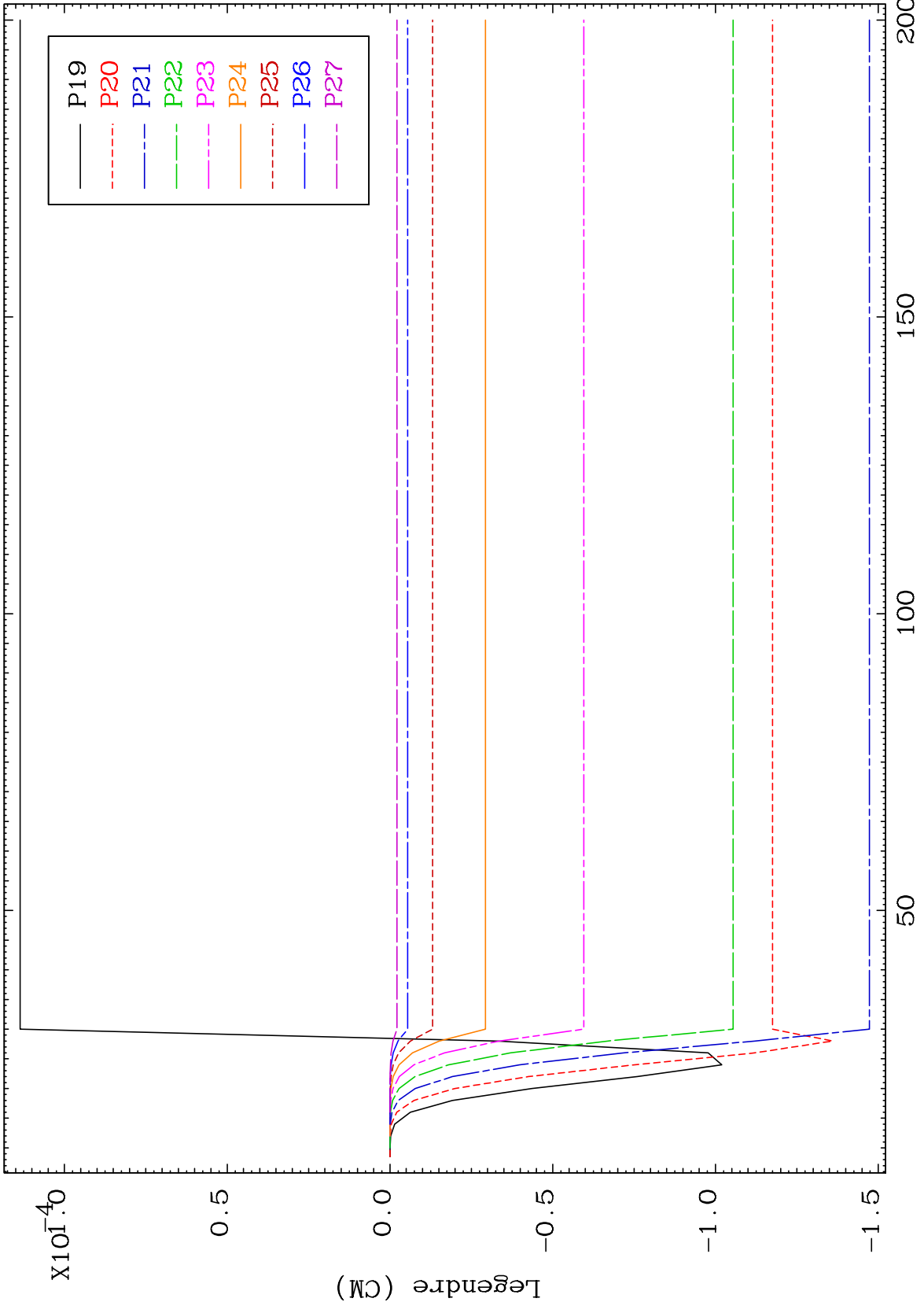
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131

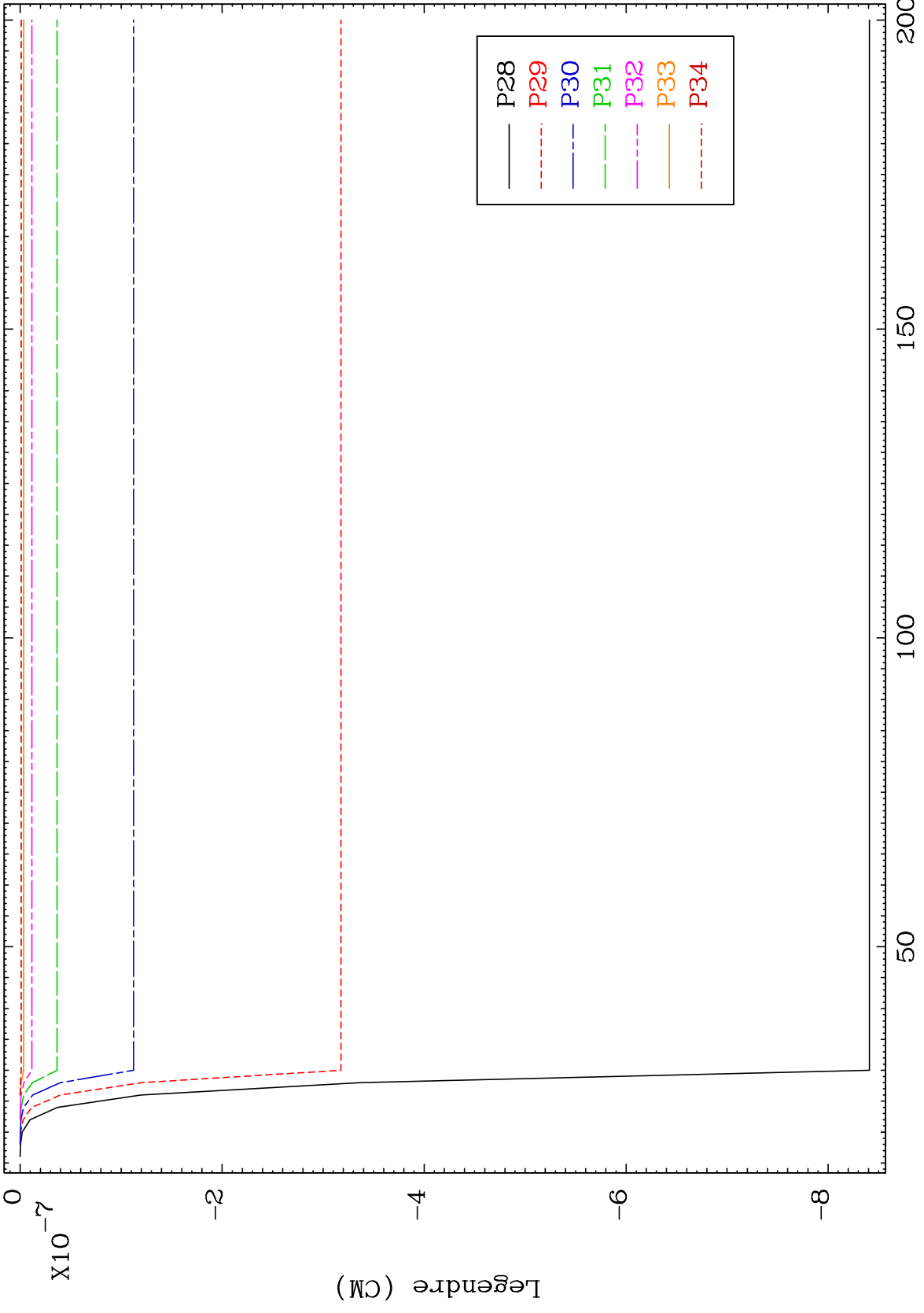


115

Incident Energy (MeV)

51-Sb-131

MAT 5155 MT= 75 (n,n') Level Legendre Coefficients 51-Sb-131

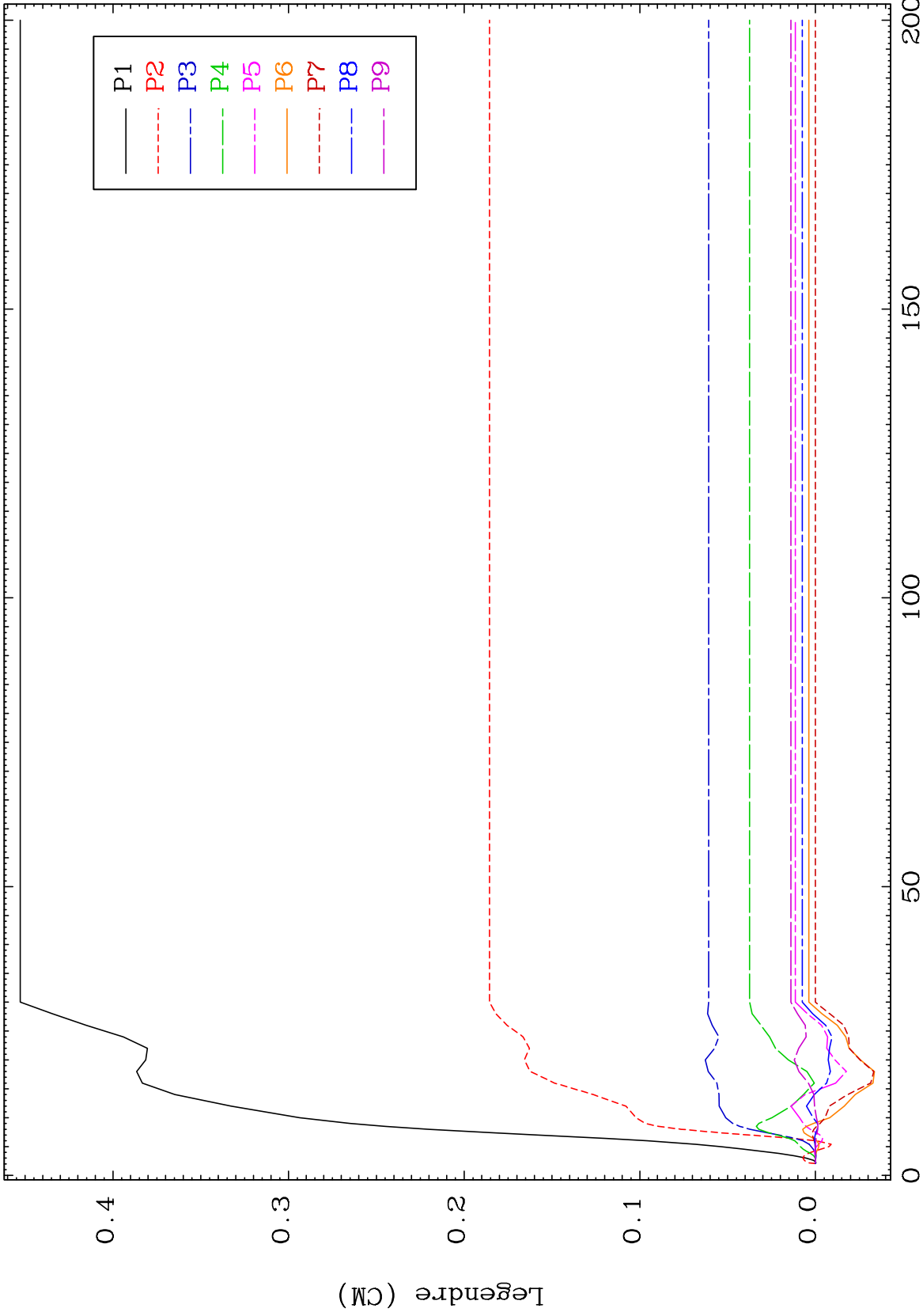


116 51-Sb-131

MAT 5155

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

51-Sb-131



117

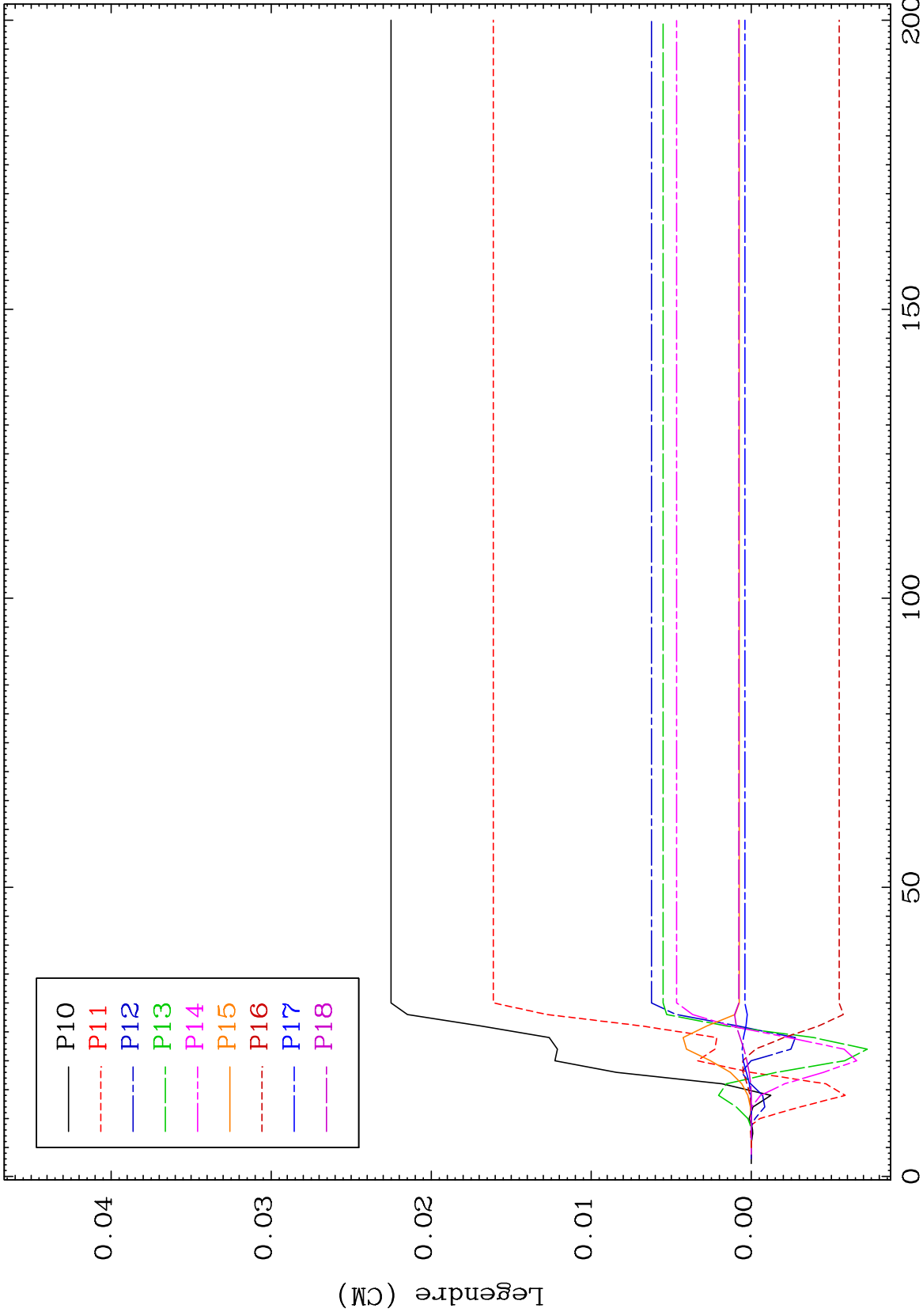
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



118

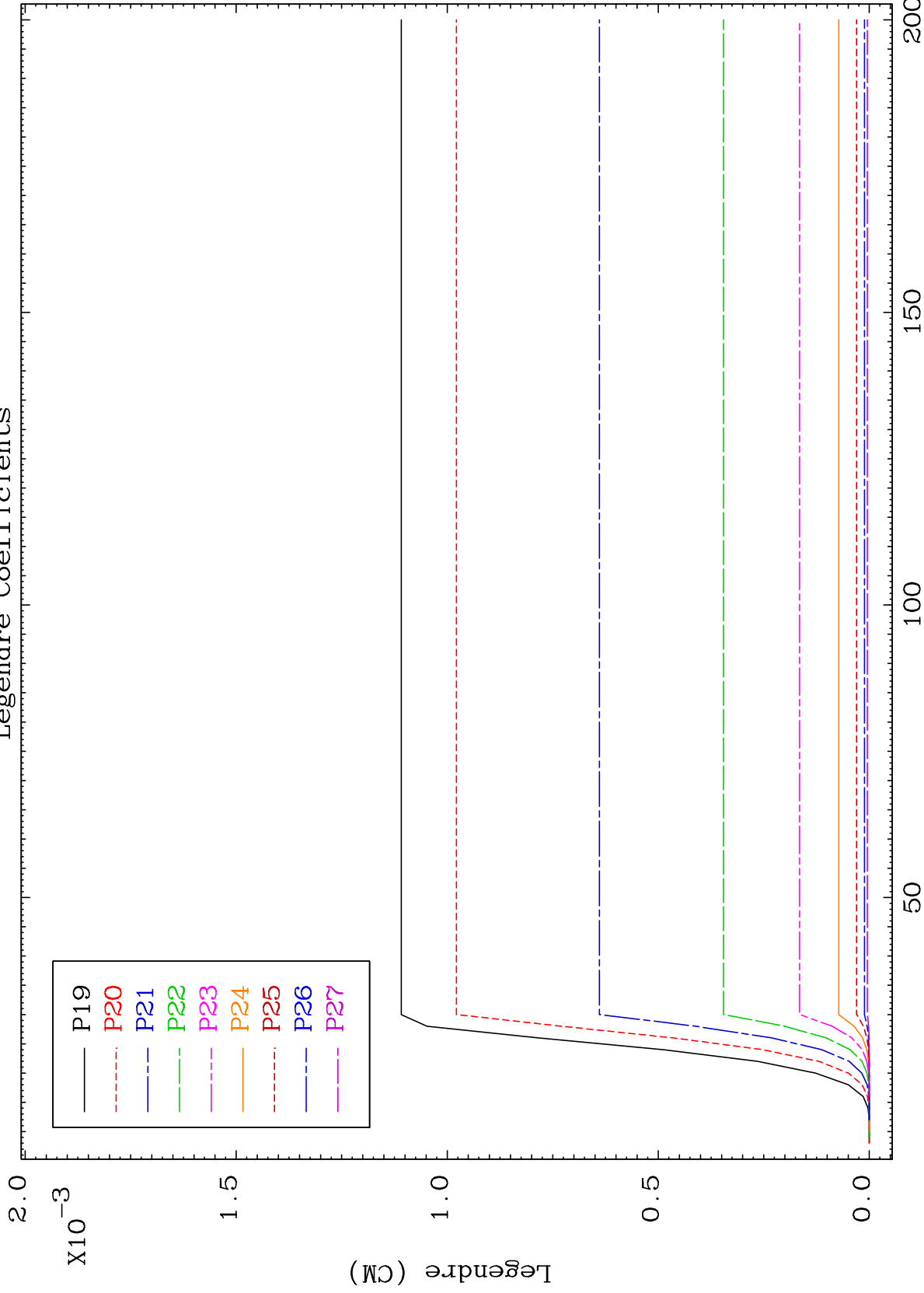
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



119

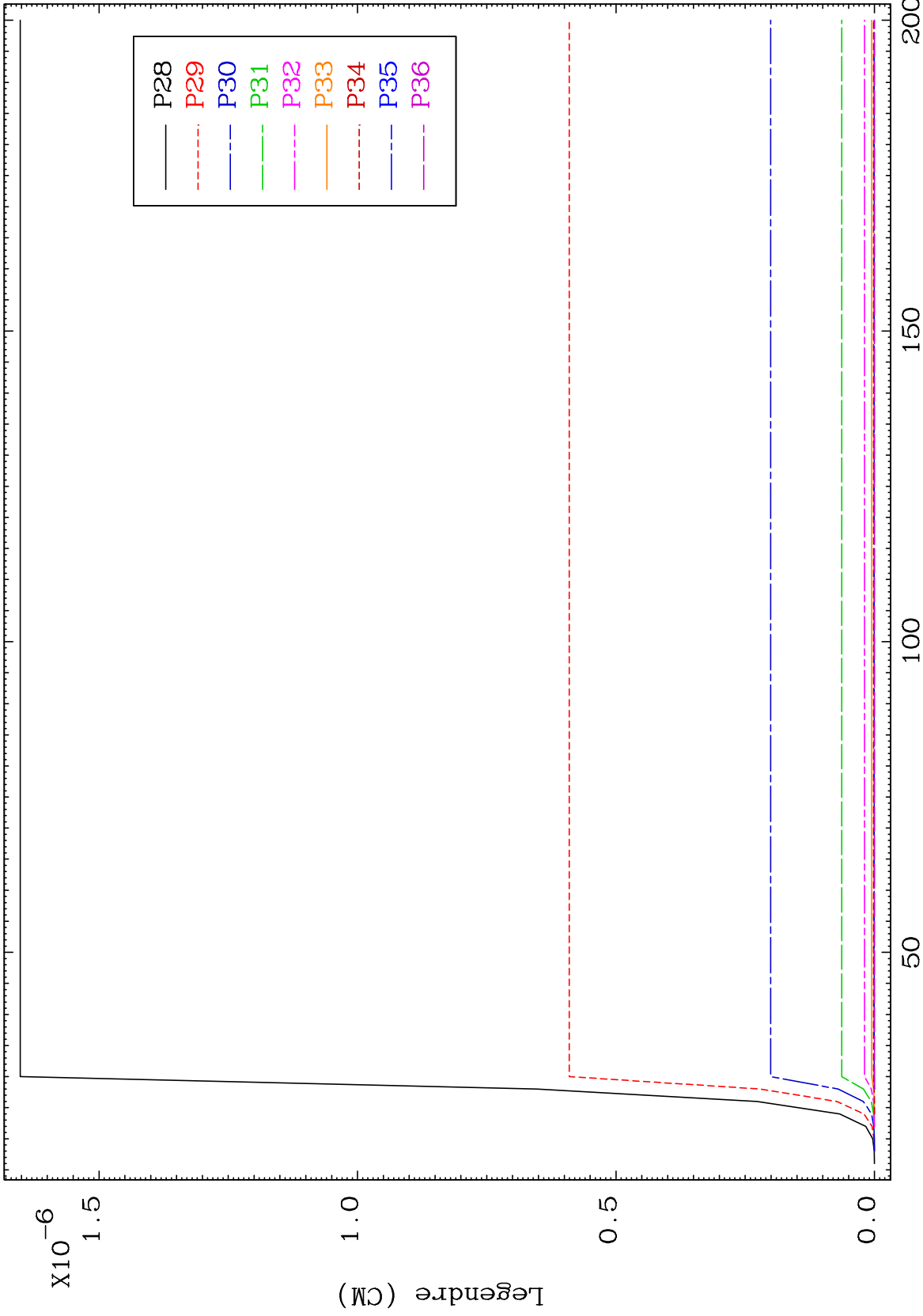
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



120

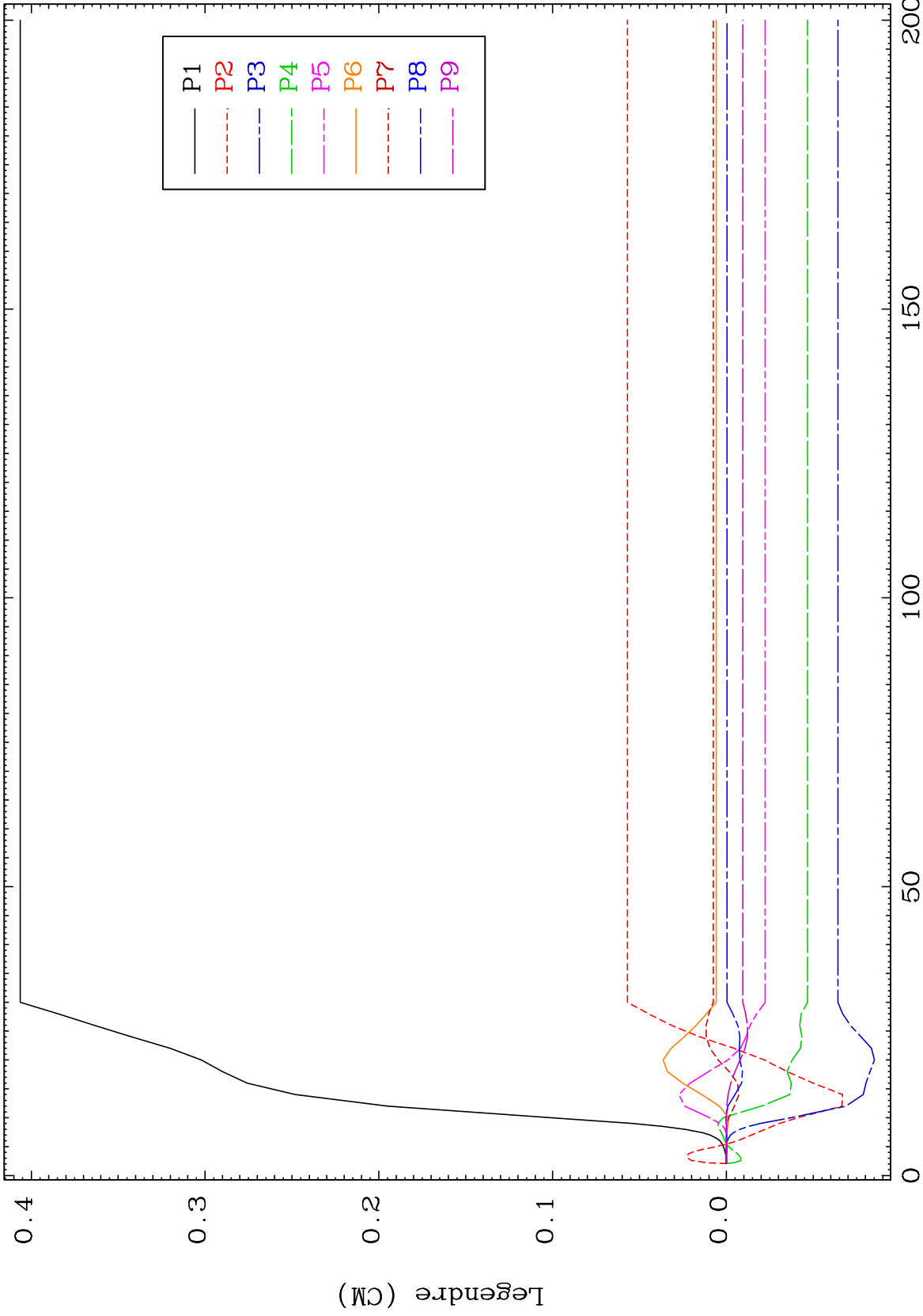
Incident Energy (MeV)

51-Sb-131

MAT 5155

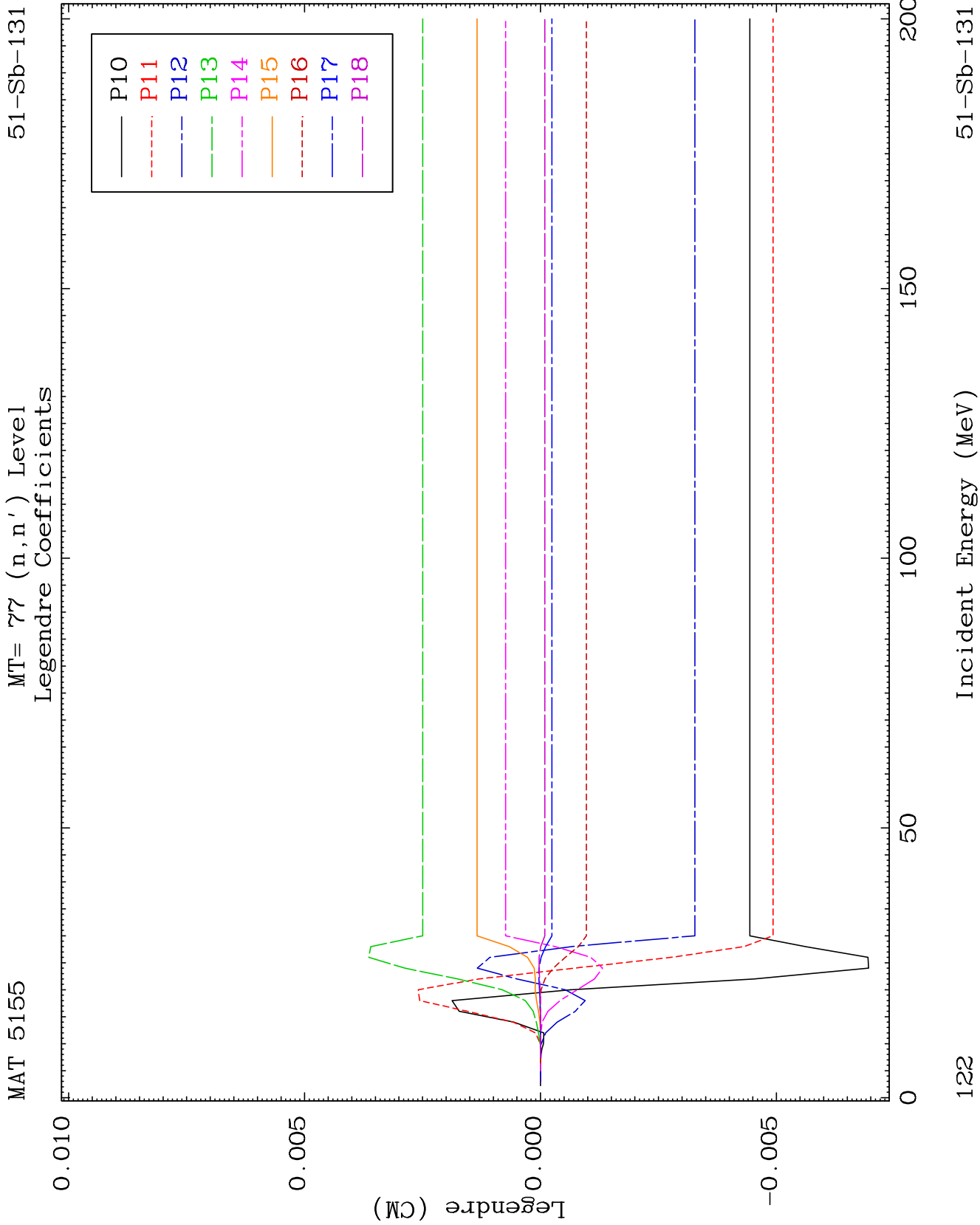
MT= 77 (n,n') Level
Legendre Coefficients

51-Sb-131



121

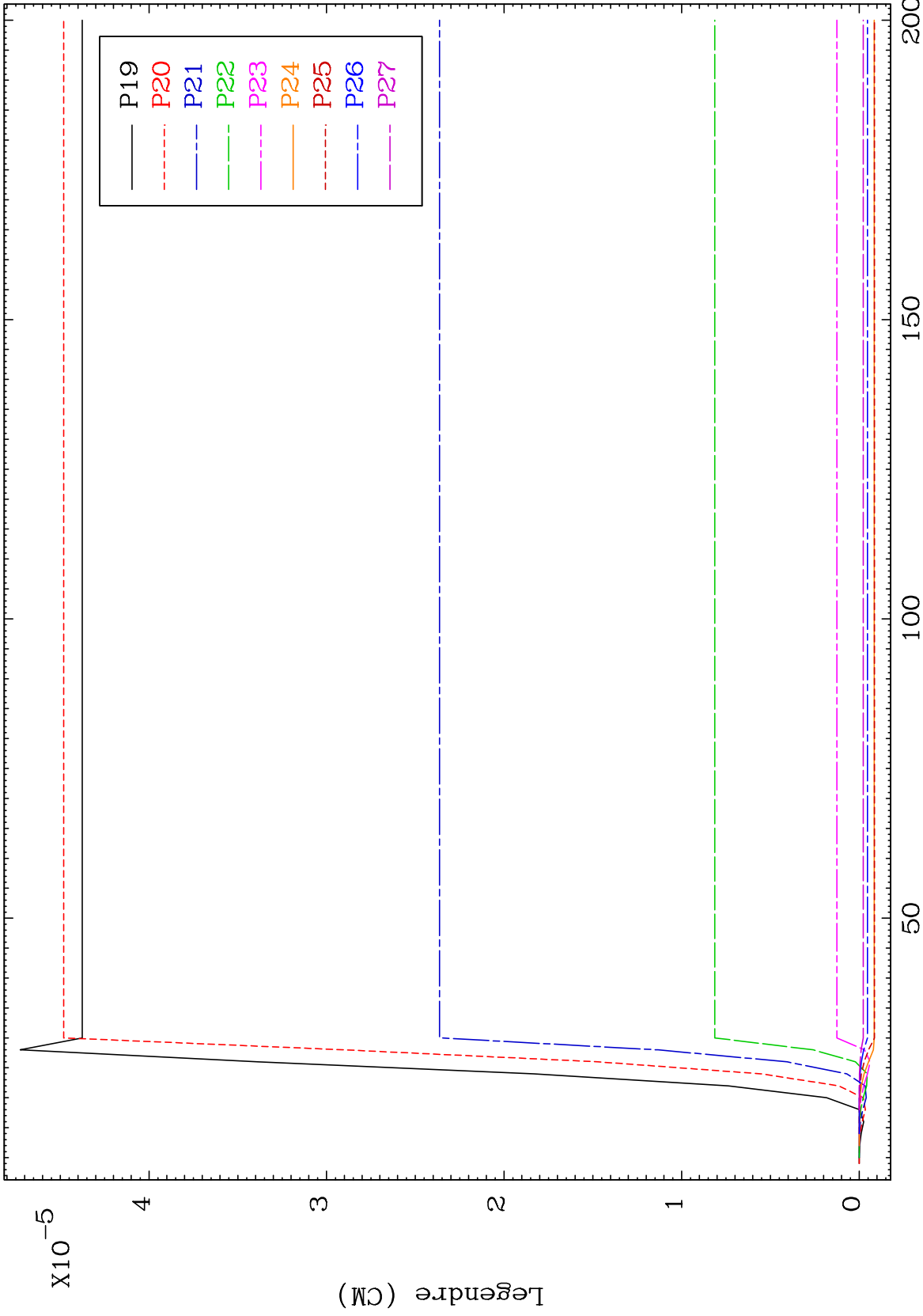
51-Sb-131



MAT 5155

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

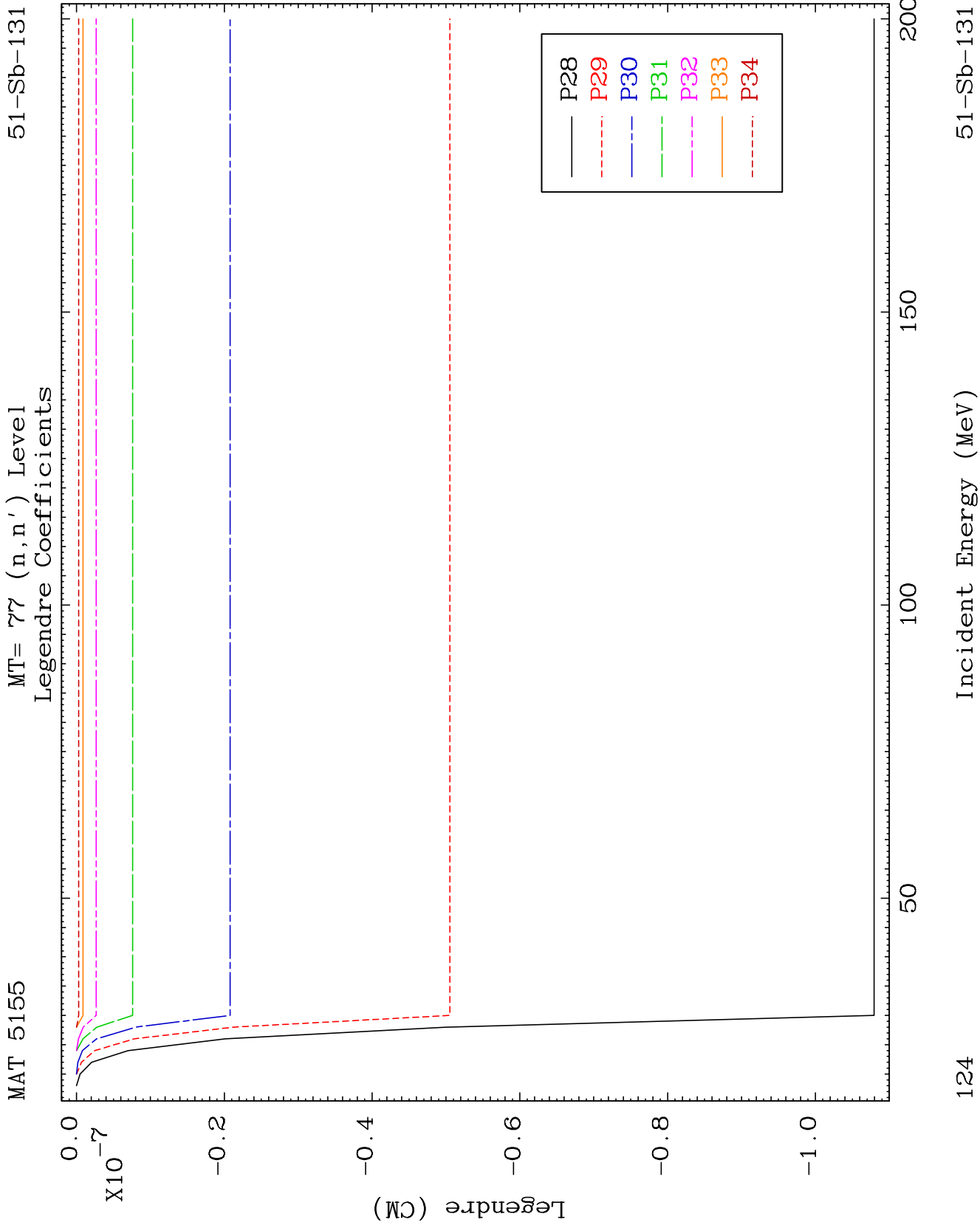
51-Sb-131



123

Incident Energy (MeV)

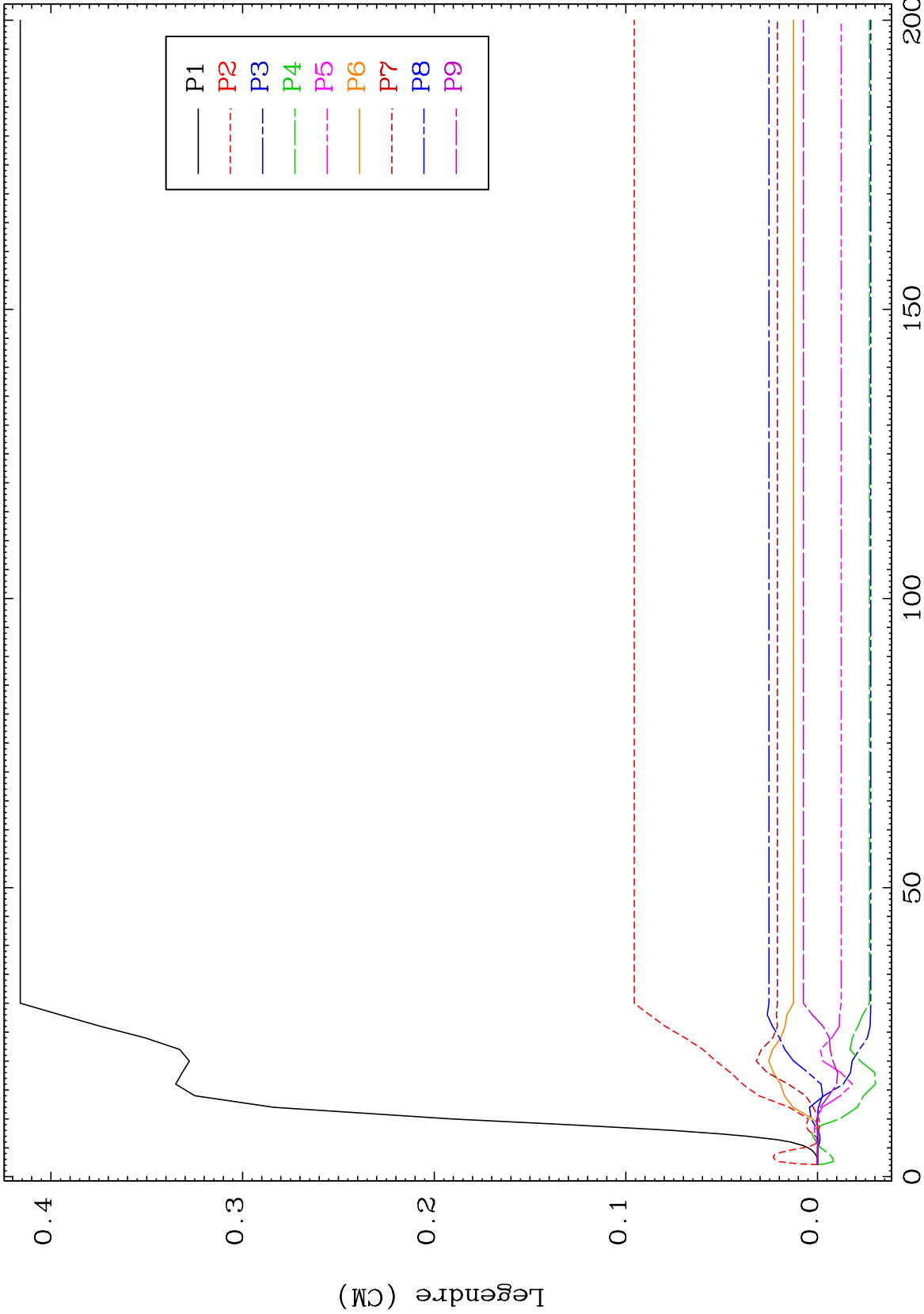
51-Sb-131



MAT 5155

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

51-Sb-131



51-Sb-131

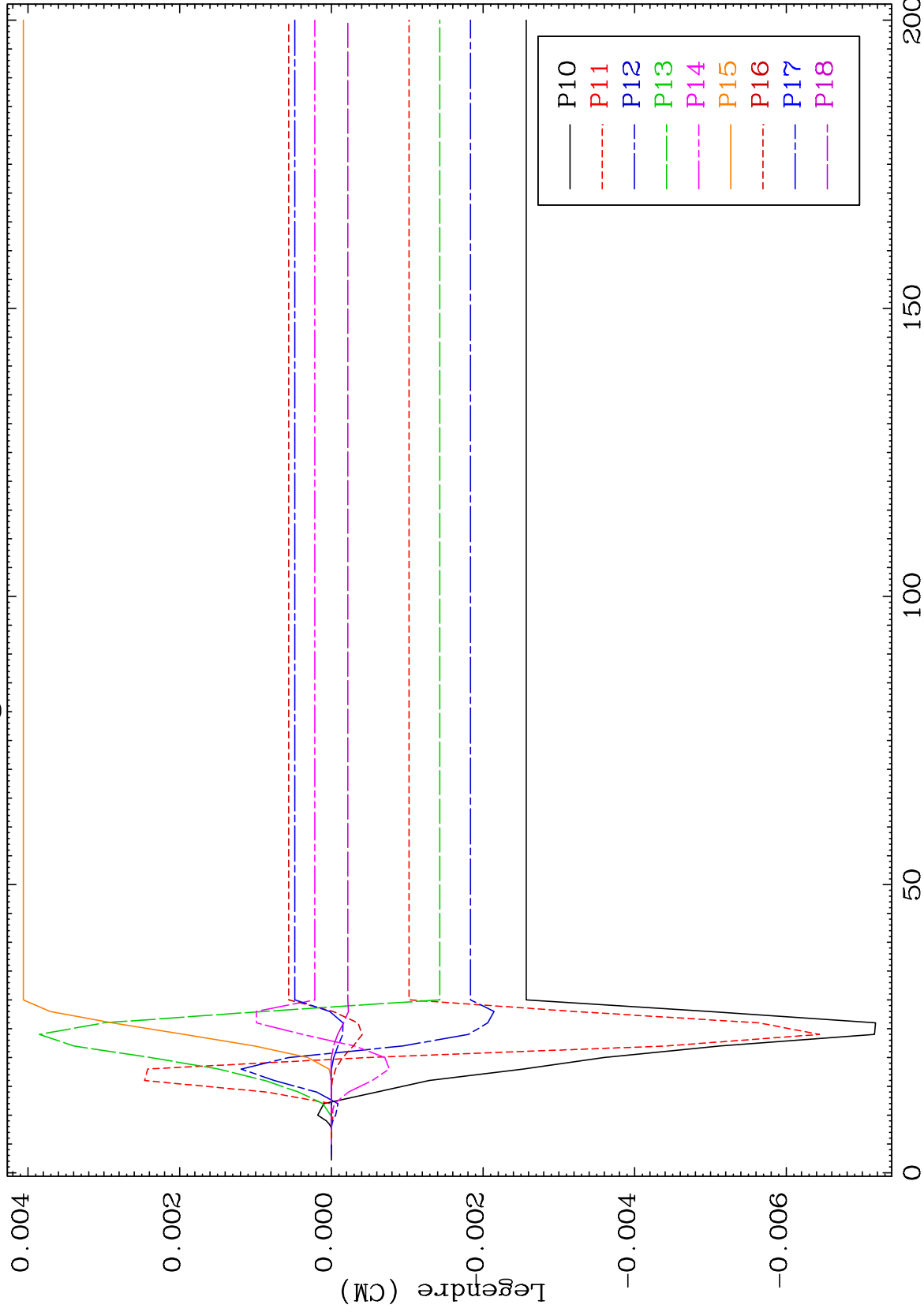
Incident Energy (MeV)

125

MAT 5155

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

51-Sb-131

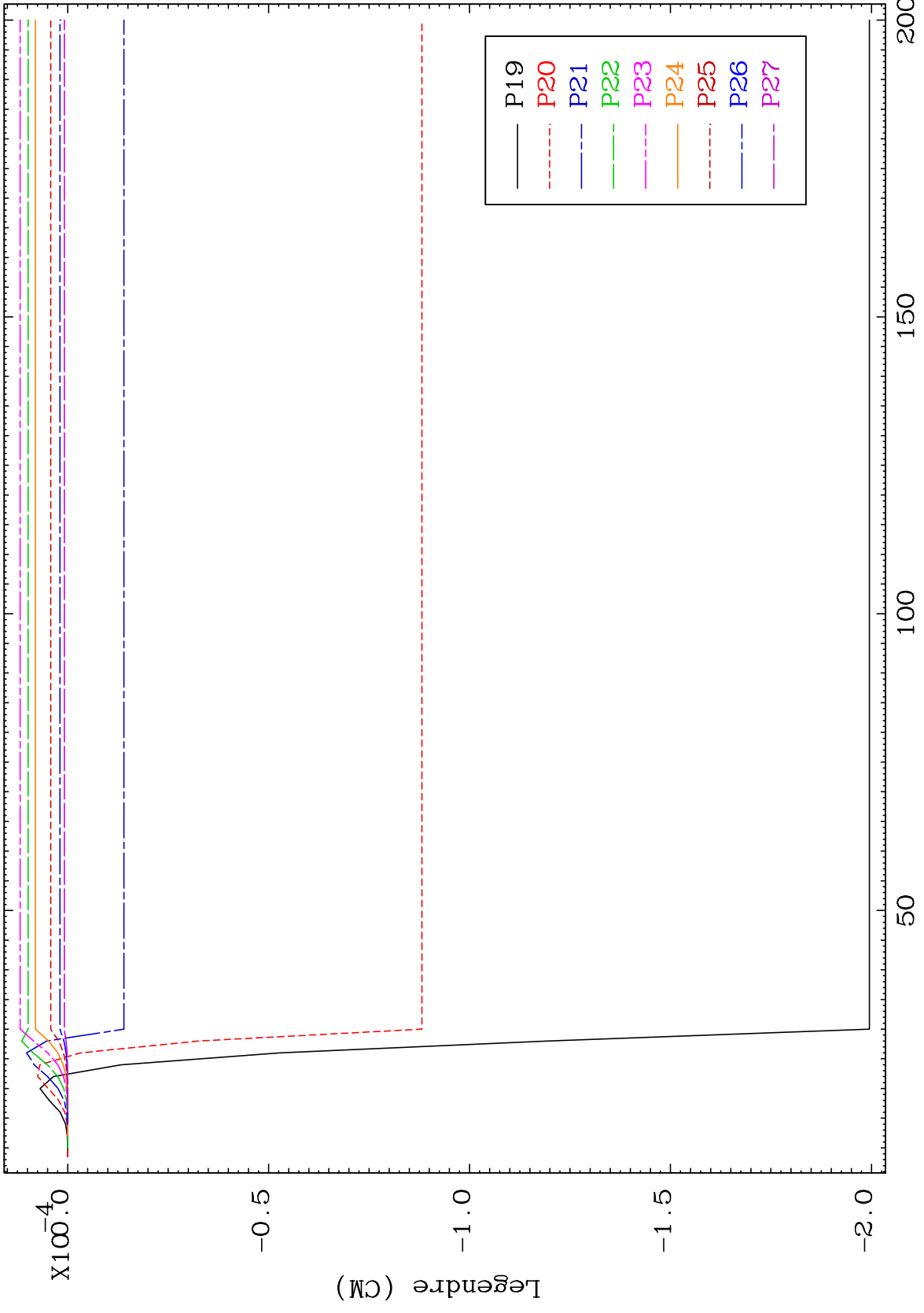


126

Incident Energy (MeV)

51-Sb-131

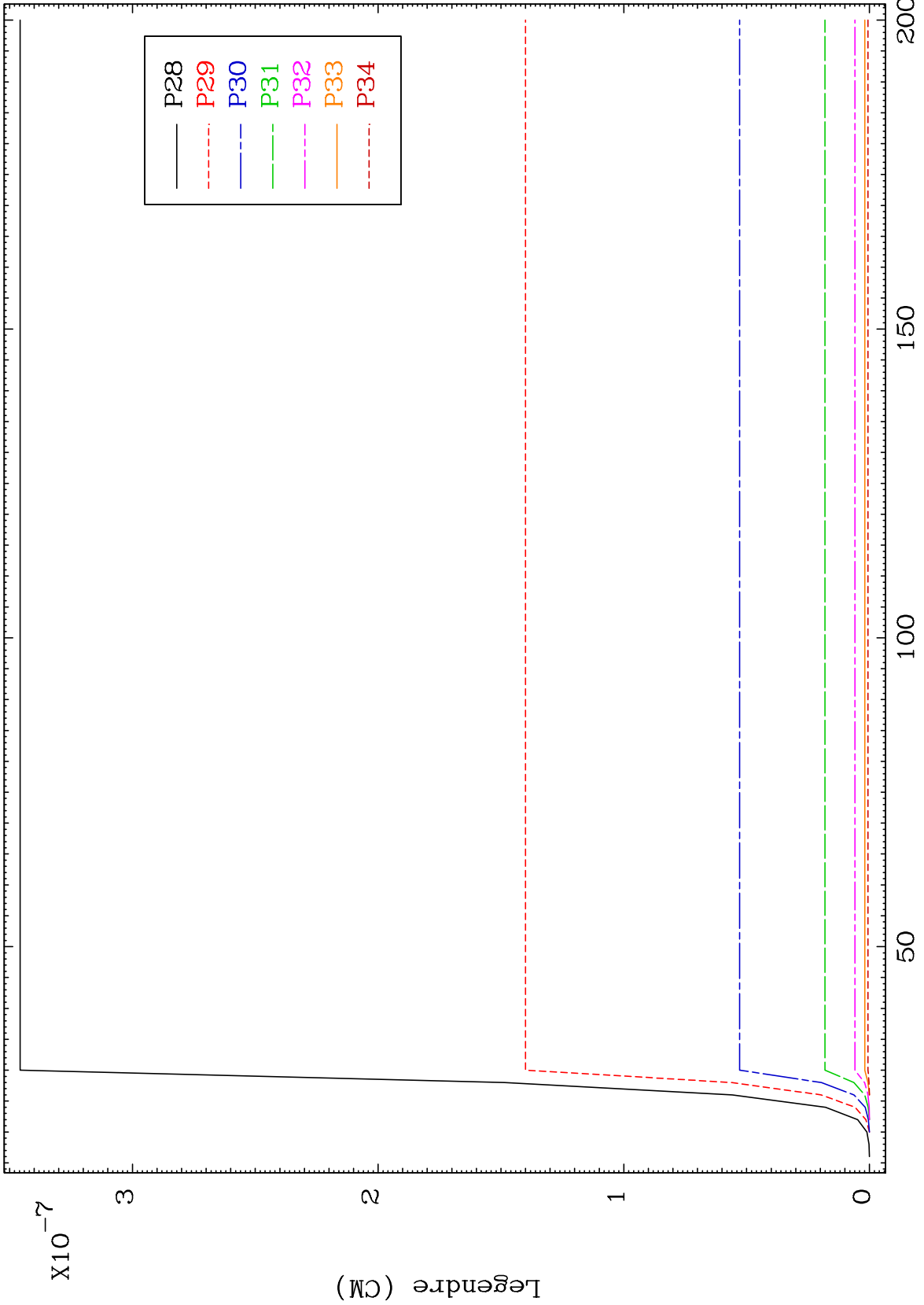
MAT 5155 MT= 78 (n,n') Level Legendre Coefficients 51-Sb-131



MAT 5155

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

51-Sb-131



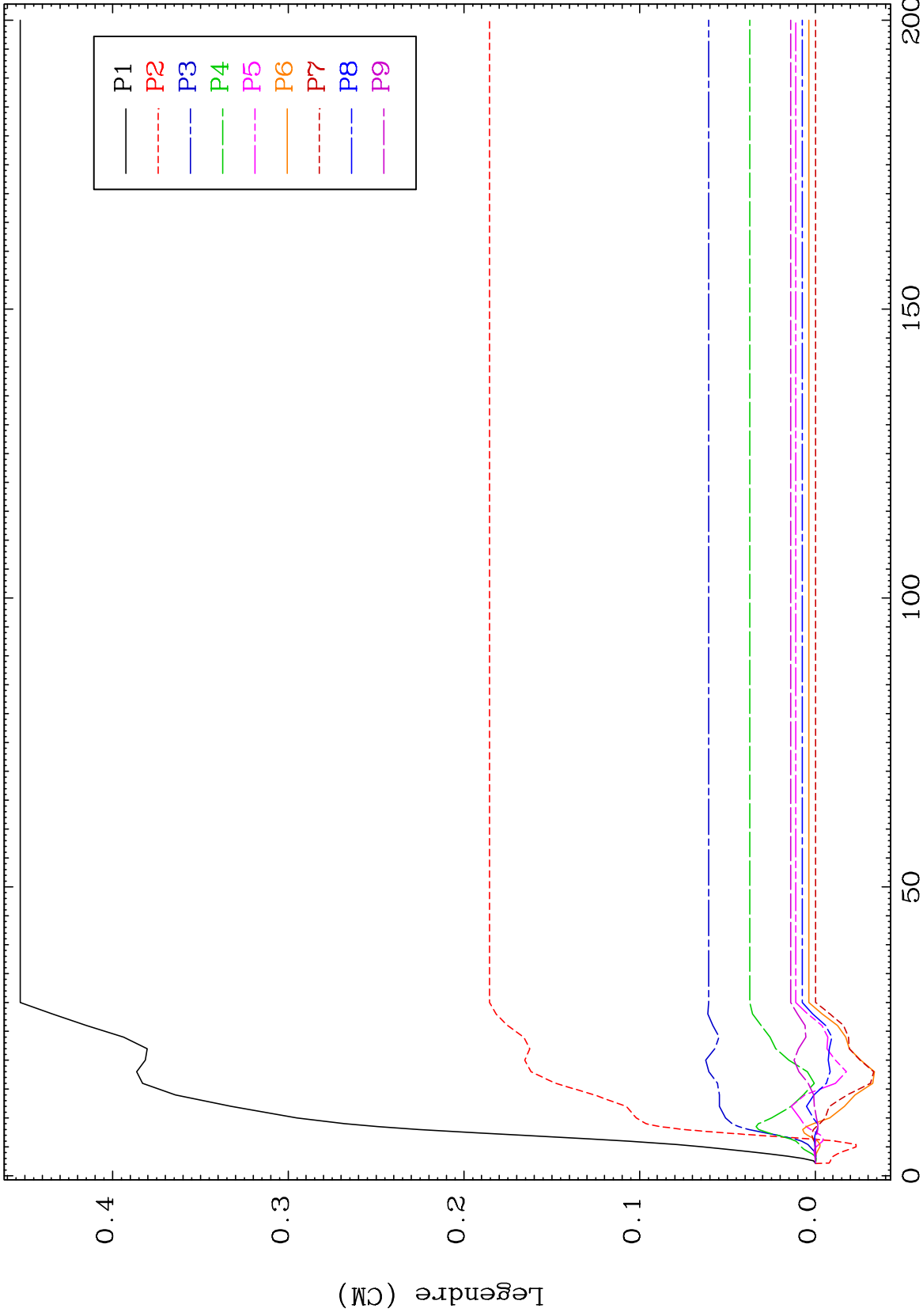
128

51-Sb-131

MAT 5155

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

51-Sb-131



129

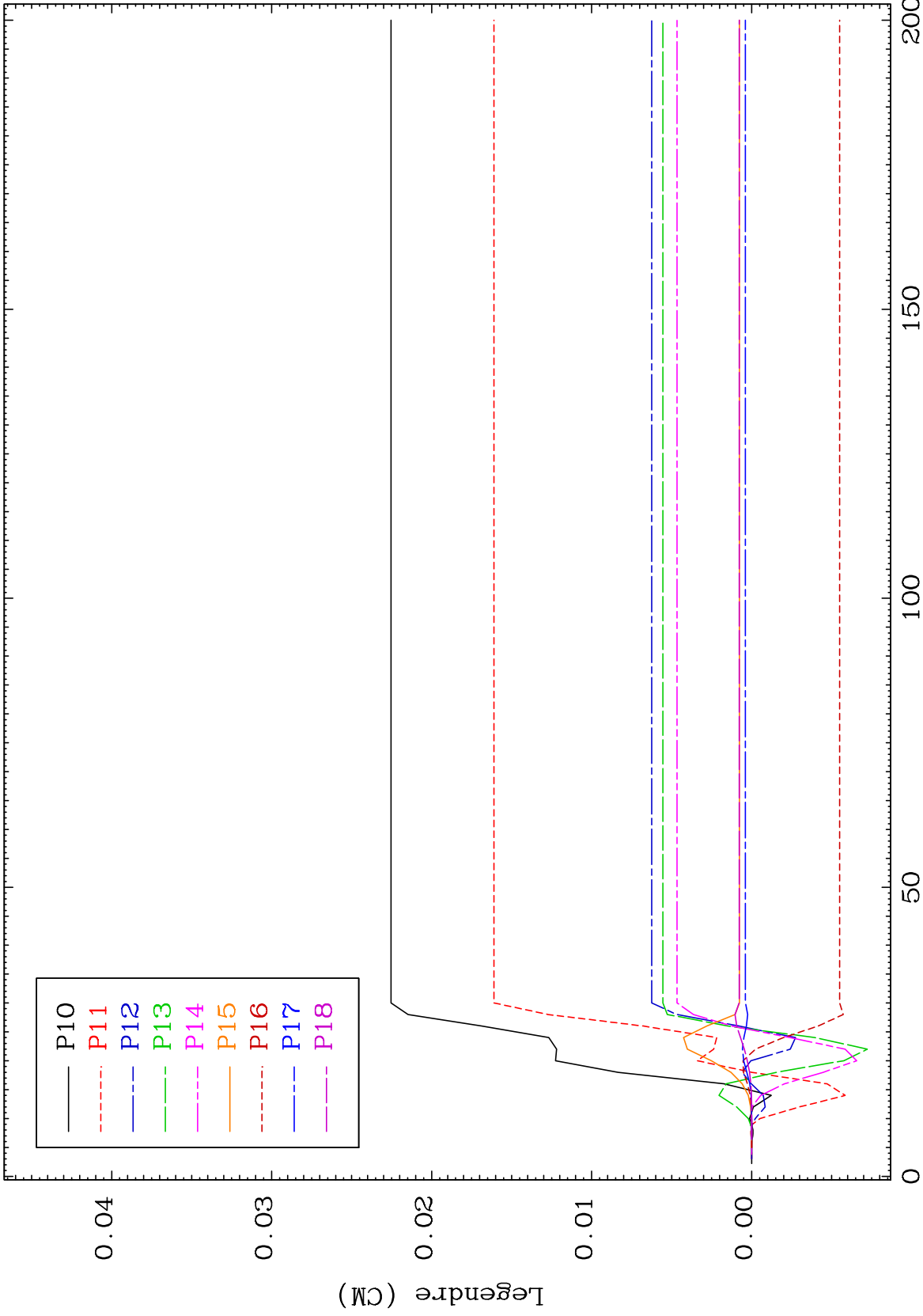
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



51-Sb-131

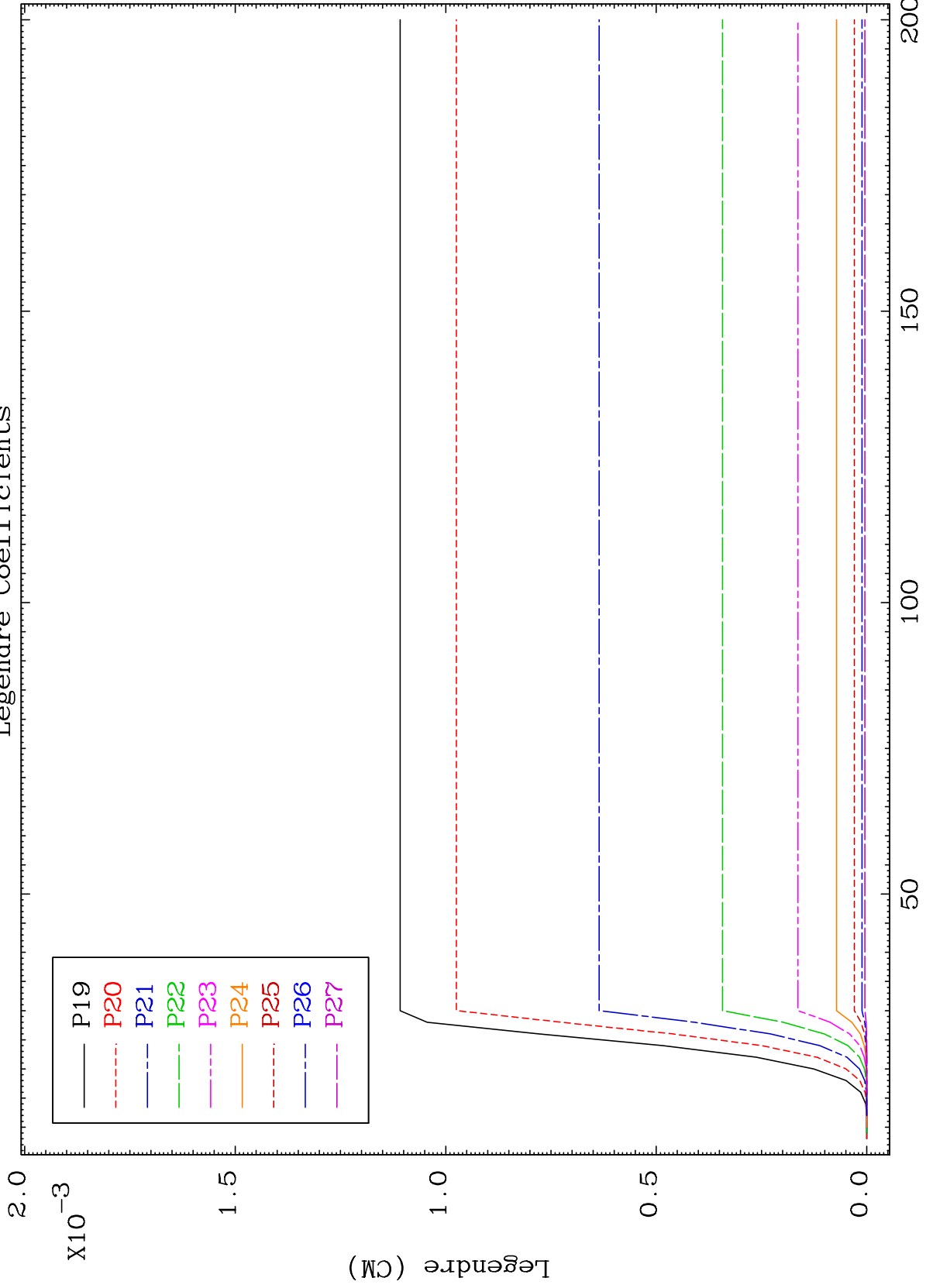
Incident Energy (MeV)

130

MAT 5155

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

51-Sb-131



131

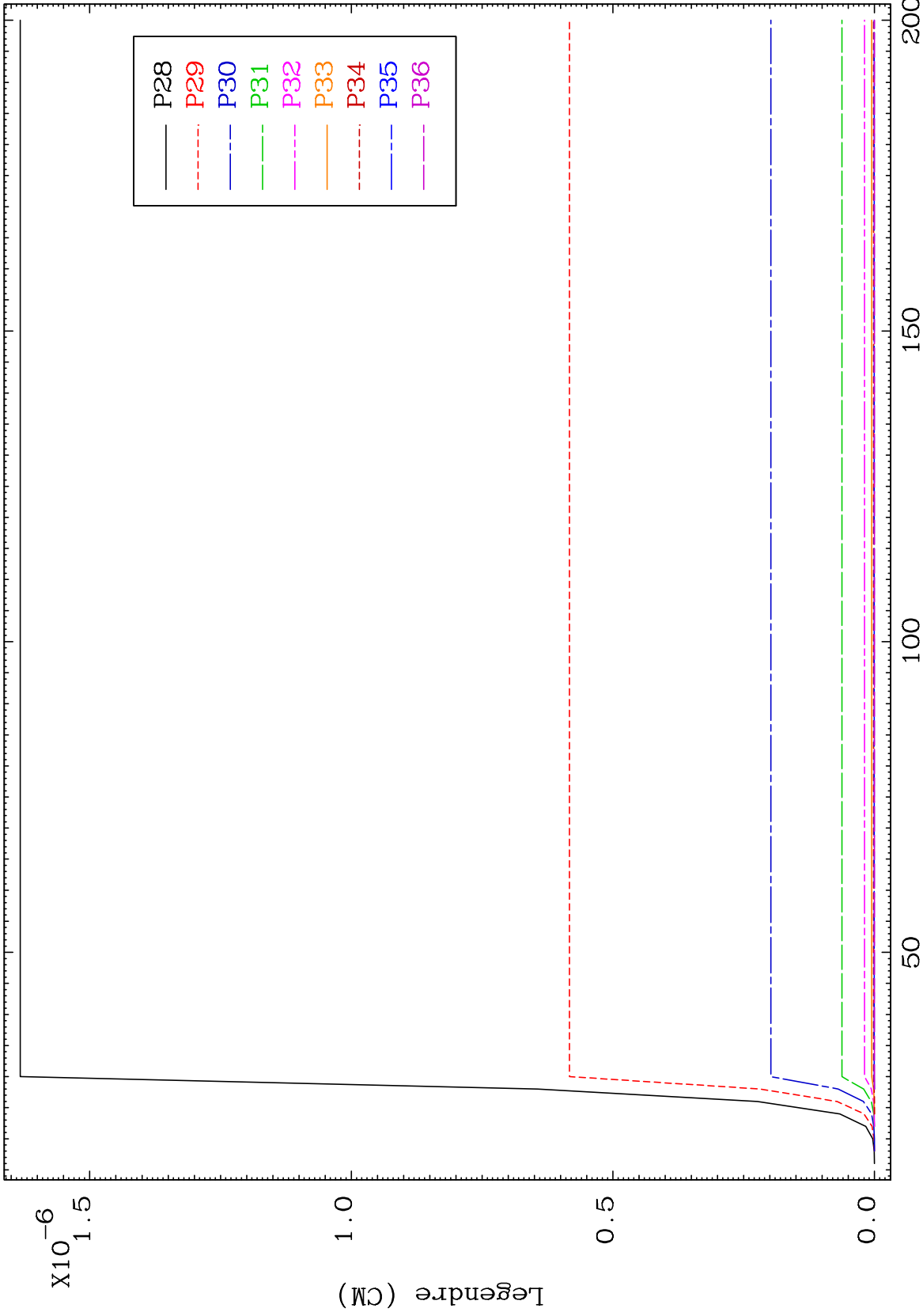
Incident Energy (MeV)

51-Sb-131

MAT 5155

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

51-Sb-131



132

Incident Energy (MeV)

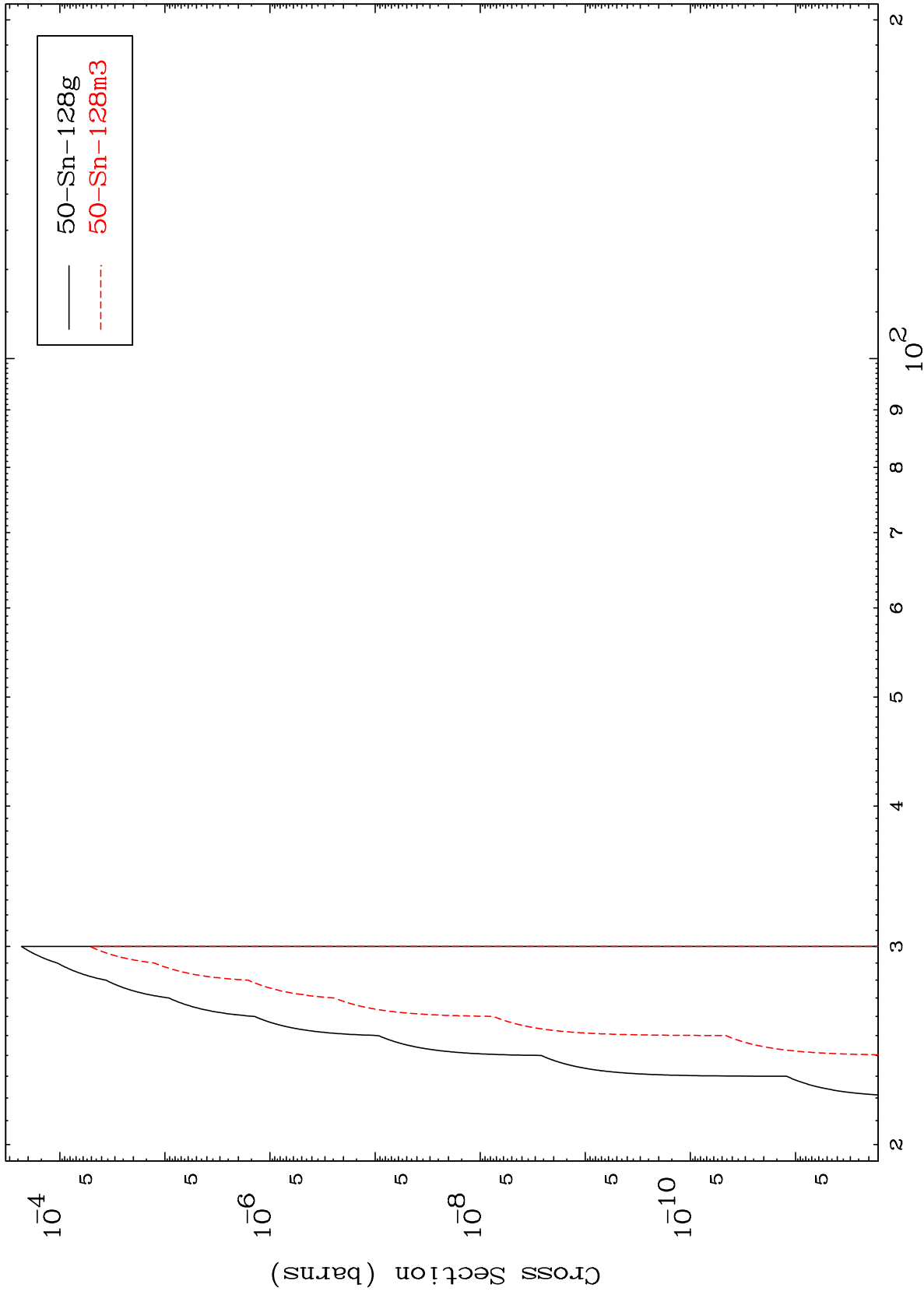
51-Sb-131

MAT 5155

(n,2n) d

51-Sb-131

Radionuclide Production Cross Section



133

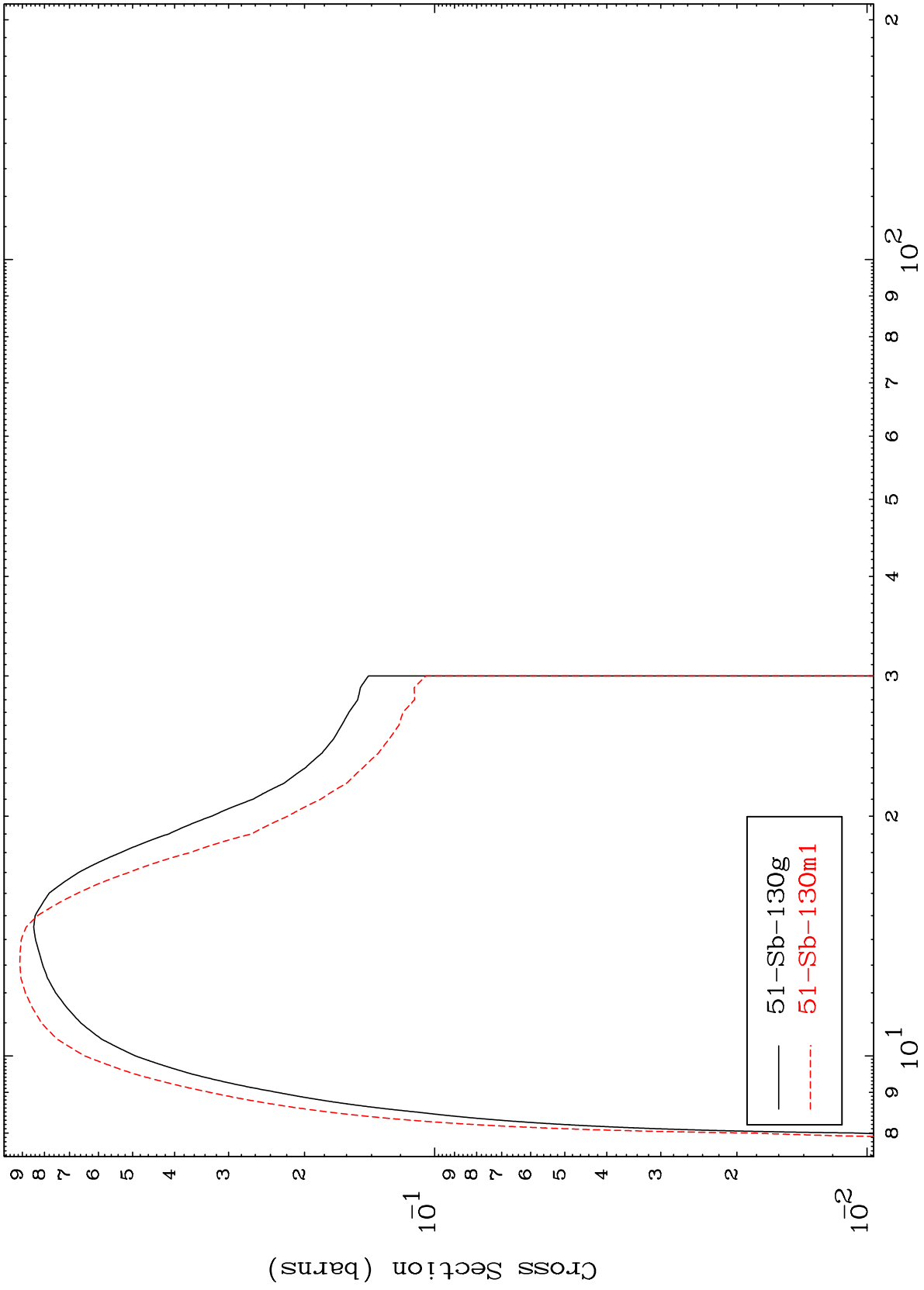
Incident Energy (MeV)

51-Sb-131

MAT 5155

51-Sb-131

(n,2n)
Radionuclide Production Cross Section



134

Incident Energy (MeV)

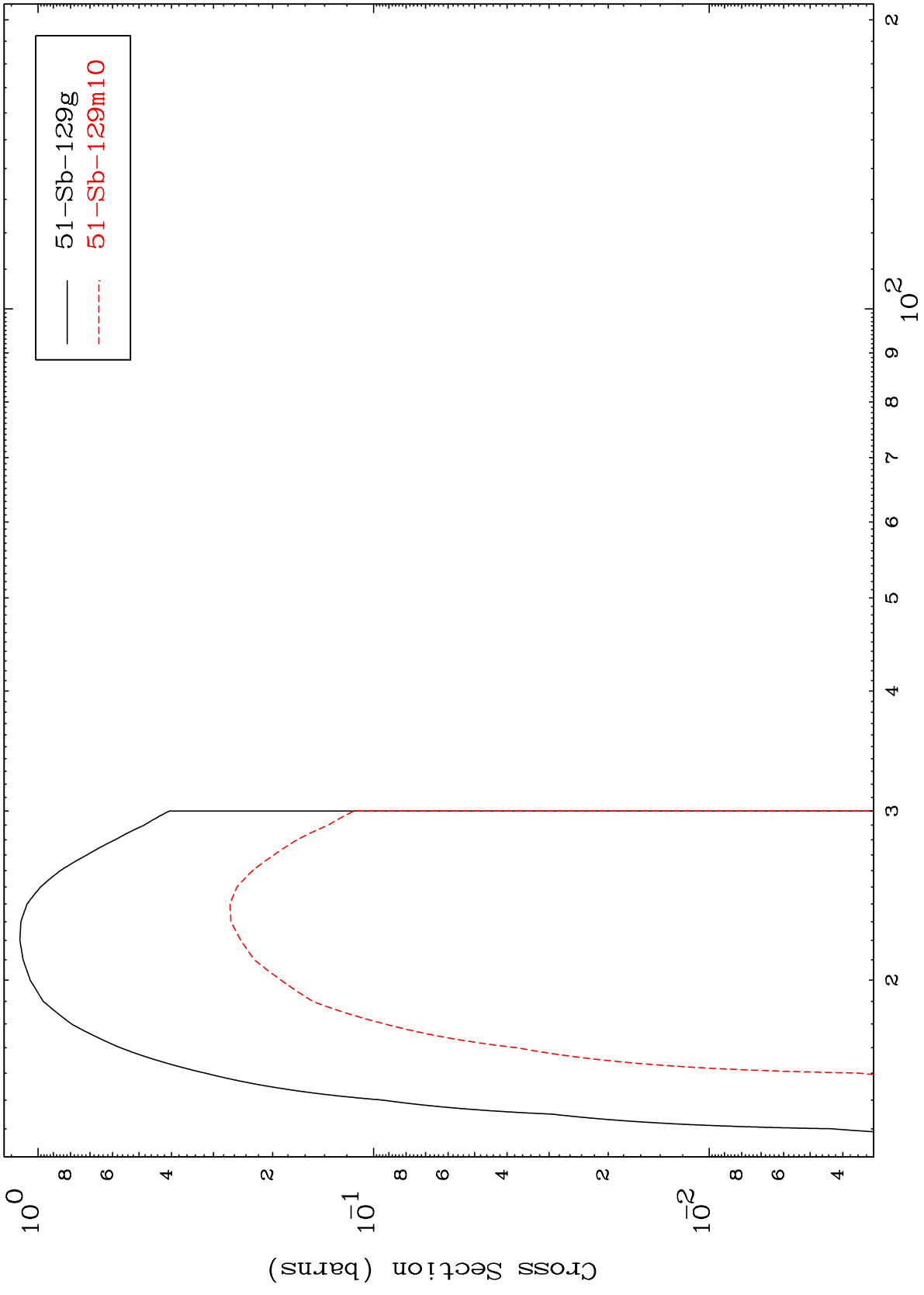
51-Sb-131

MAT 5155

(n,3n)

51-Sb-131

Radionuclide Production Cross Section



51-Sb-129g
51-Sb-129m10

135

Incident Energy (MeV)

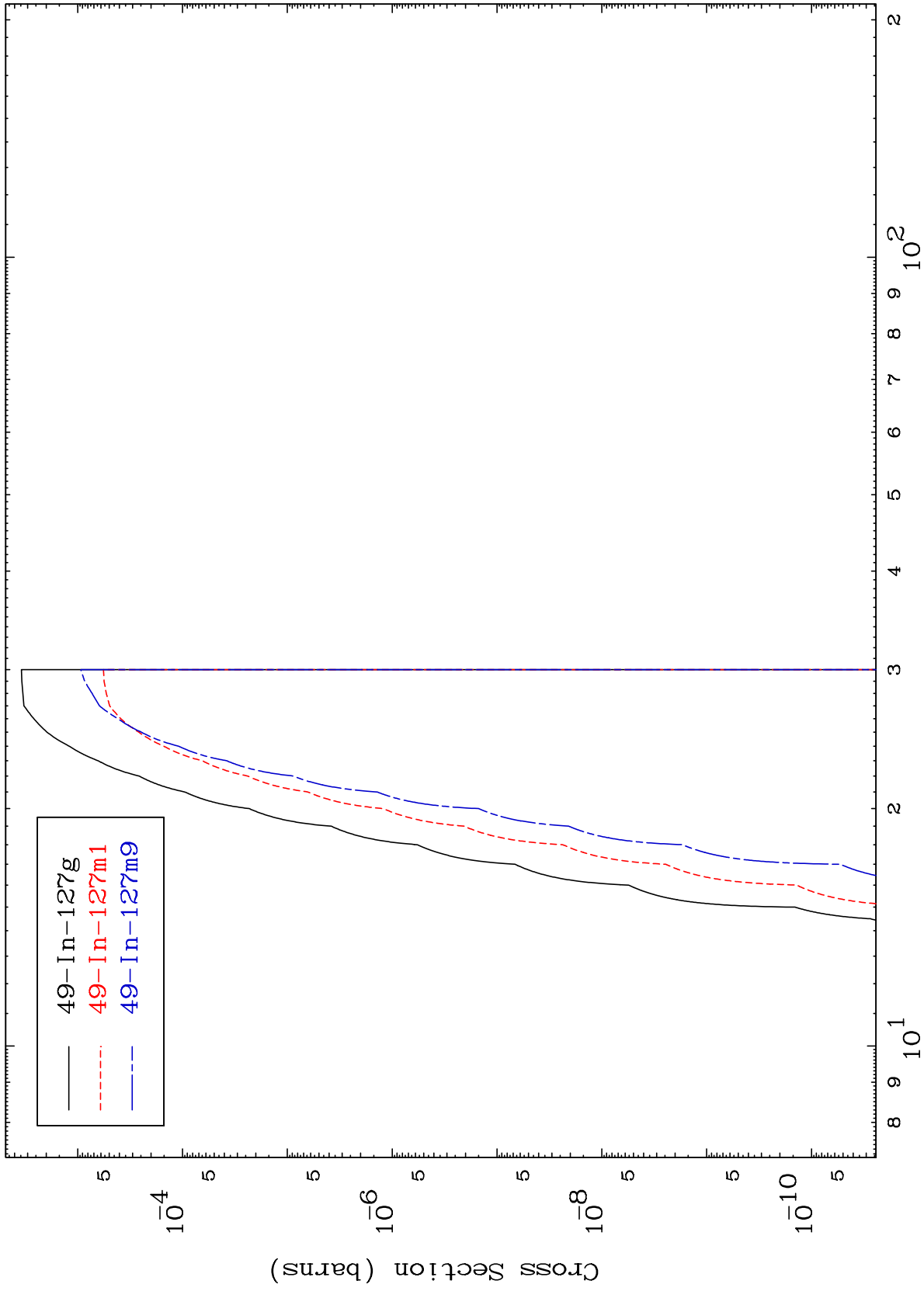
51-Sb-131

MAT 5155

(n,n') α

51-Sb-131

Radionuclide Production Cross Section



136

Incident Energy (MeV)

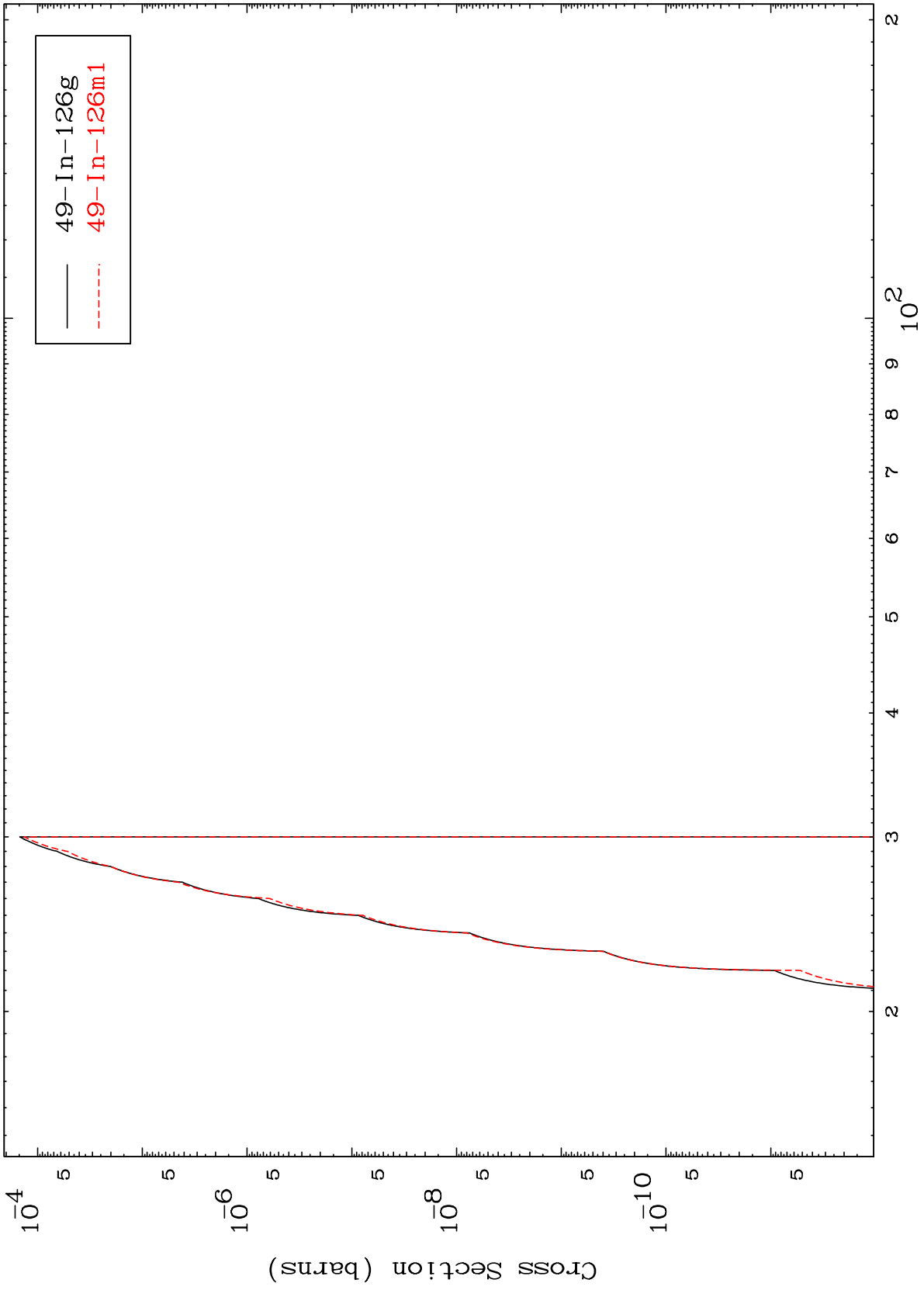
51-Sb-131

MAT 5155

(n,2n) α

51-Sb-131

Radionuclide Production Cross Section



137

Incident Energy (MeV)

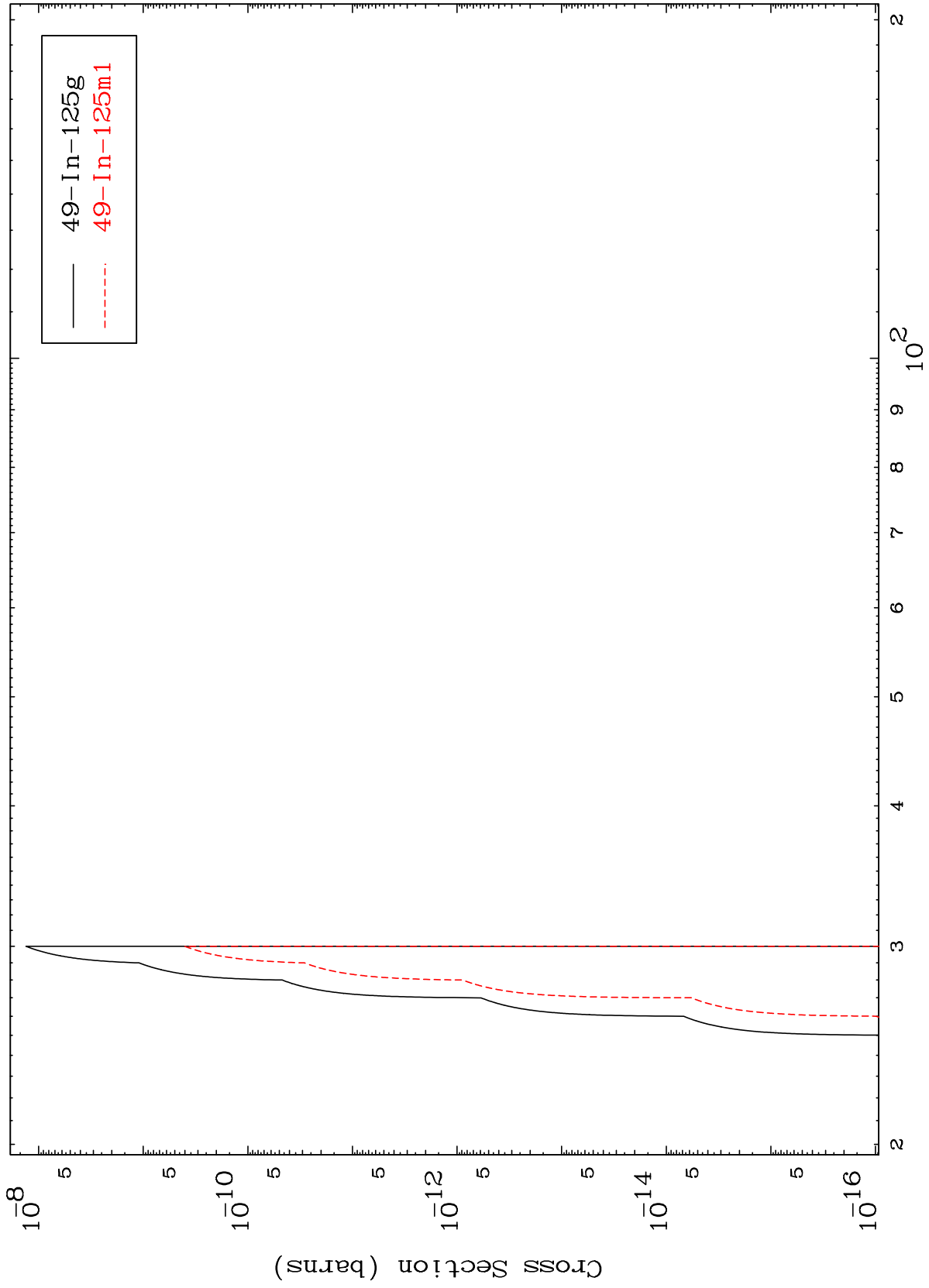
51-Sb-131

MAT 5155

(n,3n) α

51-Sb-131

Radionuclide Production Cross Section



138

Incident Energy (MeV)

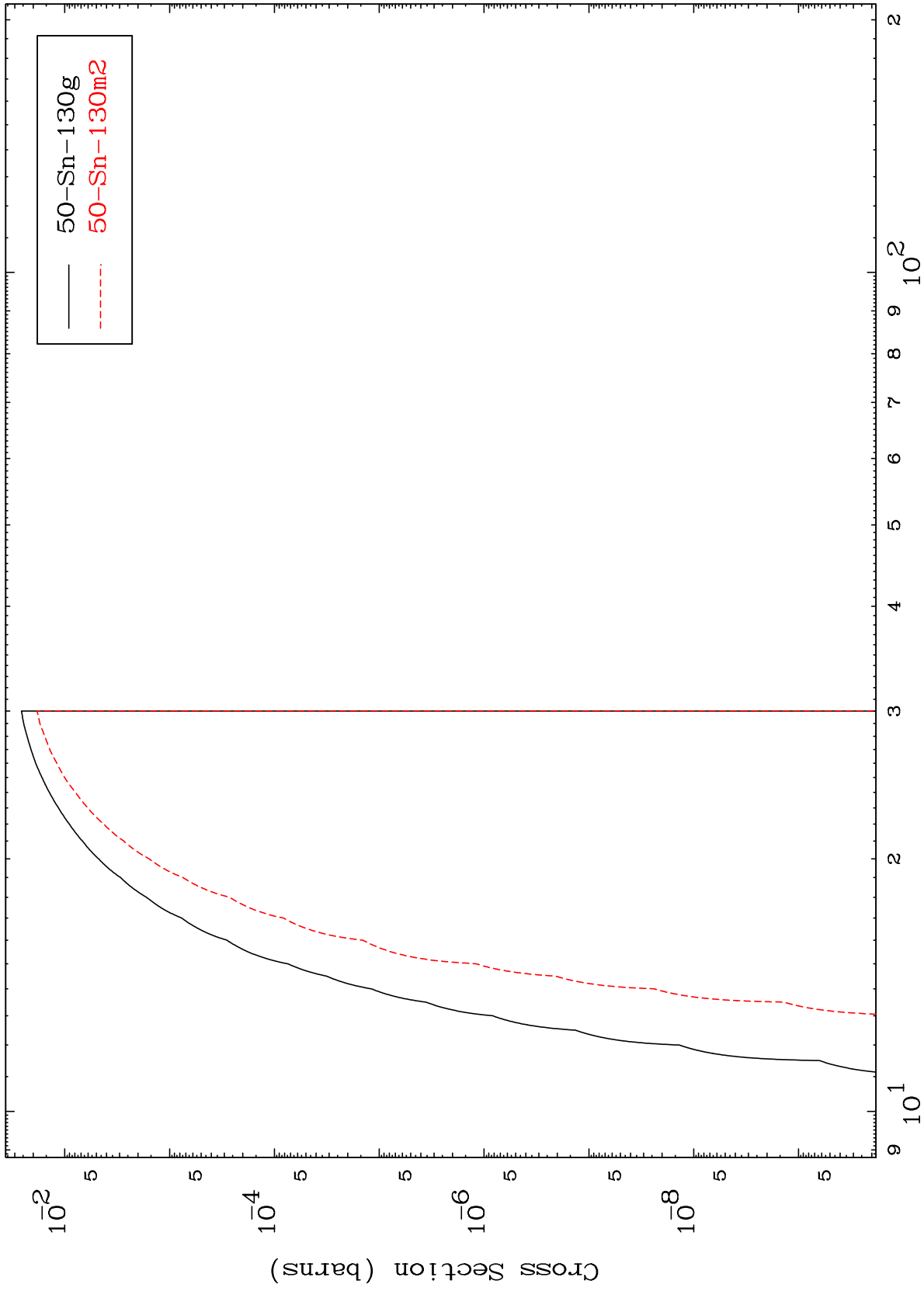
51-Sb-131

MAT 5155

(n,n') p

51-Sb-131

Radionuclide Production Cross Section



139

Incident Energy (MeV)

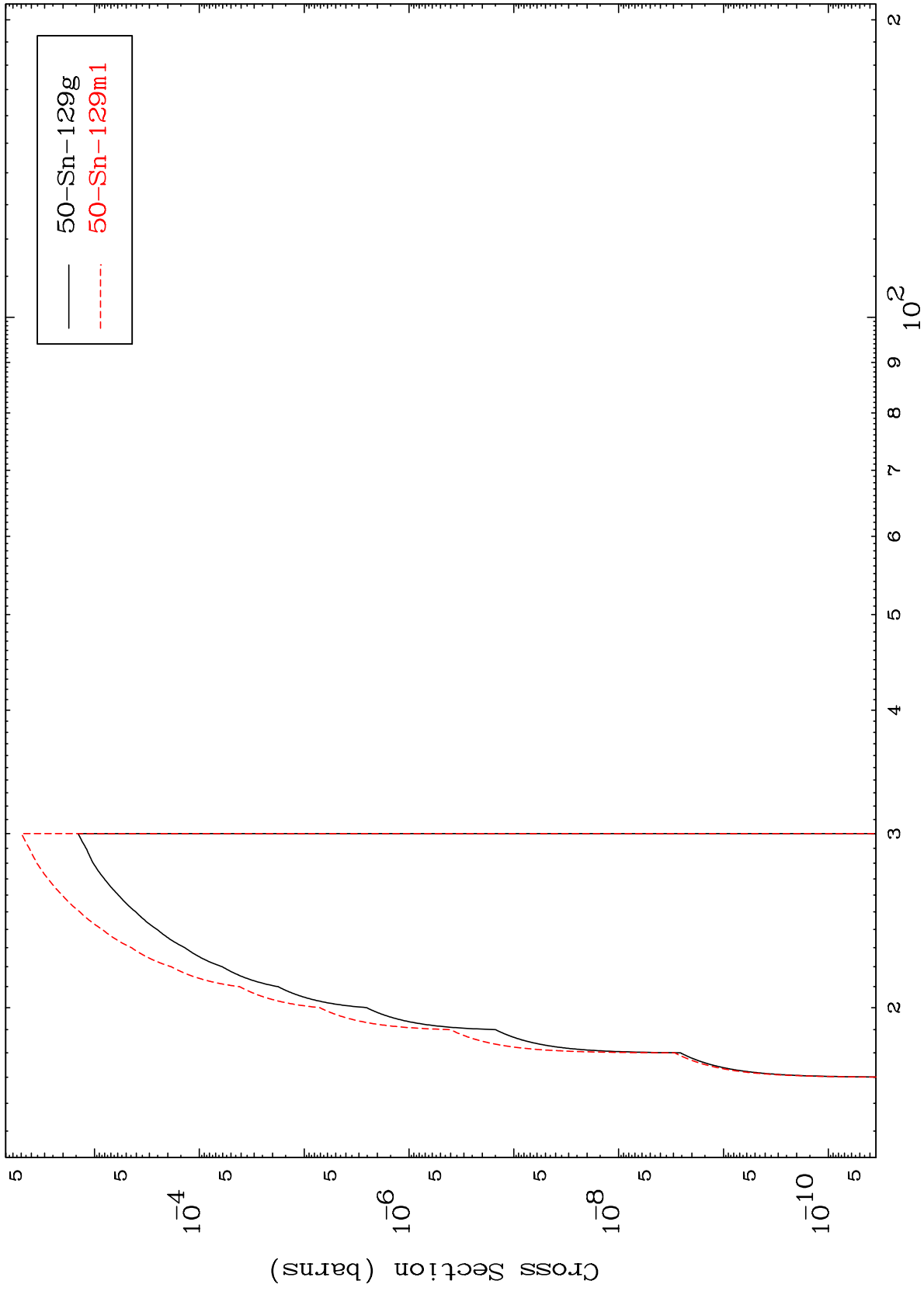
51-Sb-131

MAT 5155

(n,n') d

51-Sb-131

Radionuclide Production Cross Section



140

Incident Energy (MeV)

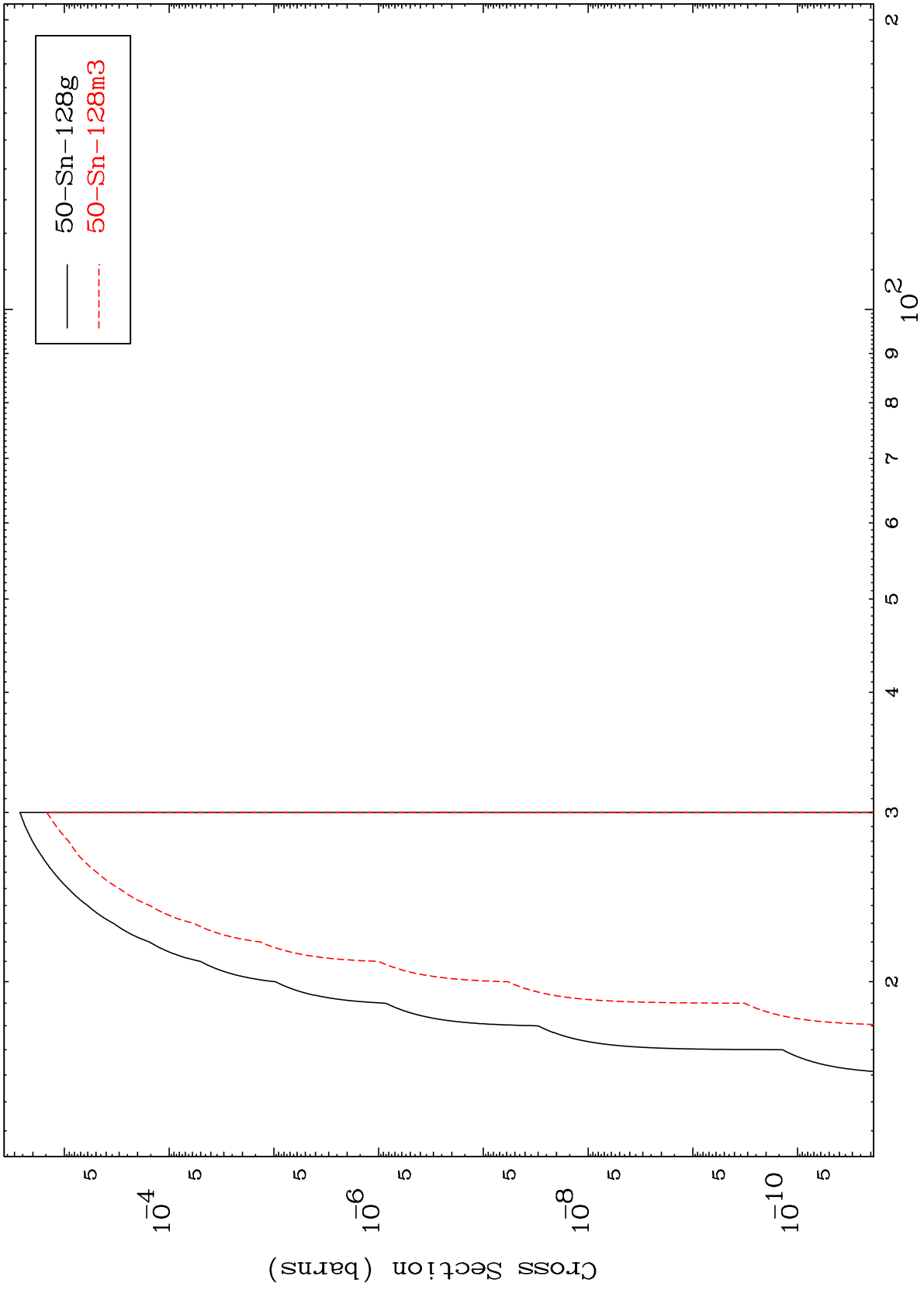
51-Sb-131

MAT 5155

(n,n') t

51-Sb-131

Radionuclide Production Cross Section



141

Incident Energy (MeV)

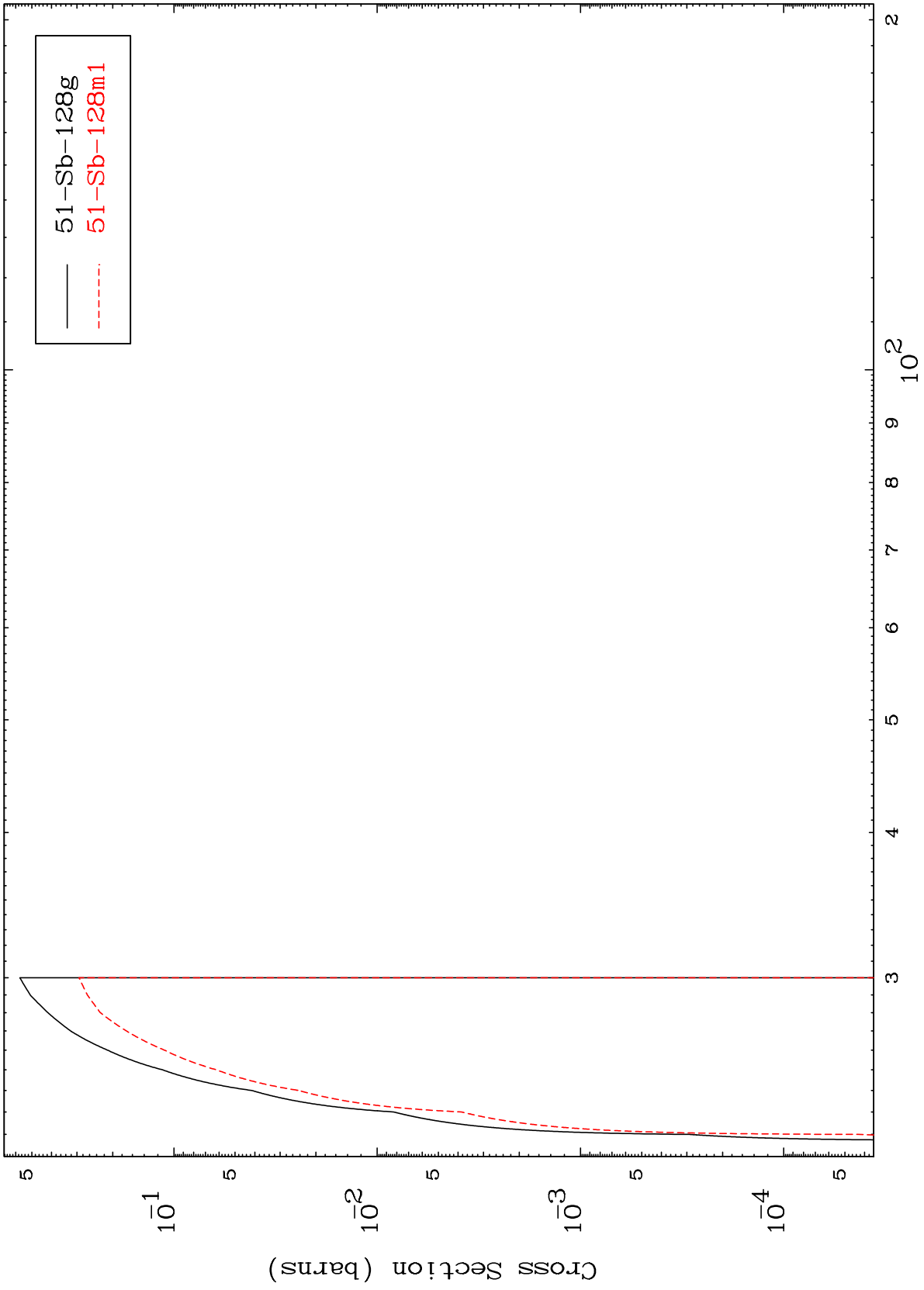
51-Sb-131

MAT 5155

(n,4n)

51-Sb-131

Radionuclide Production Cross Section



142

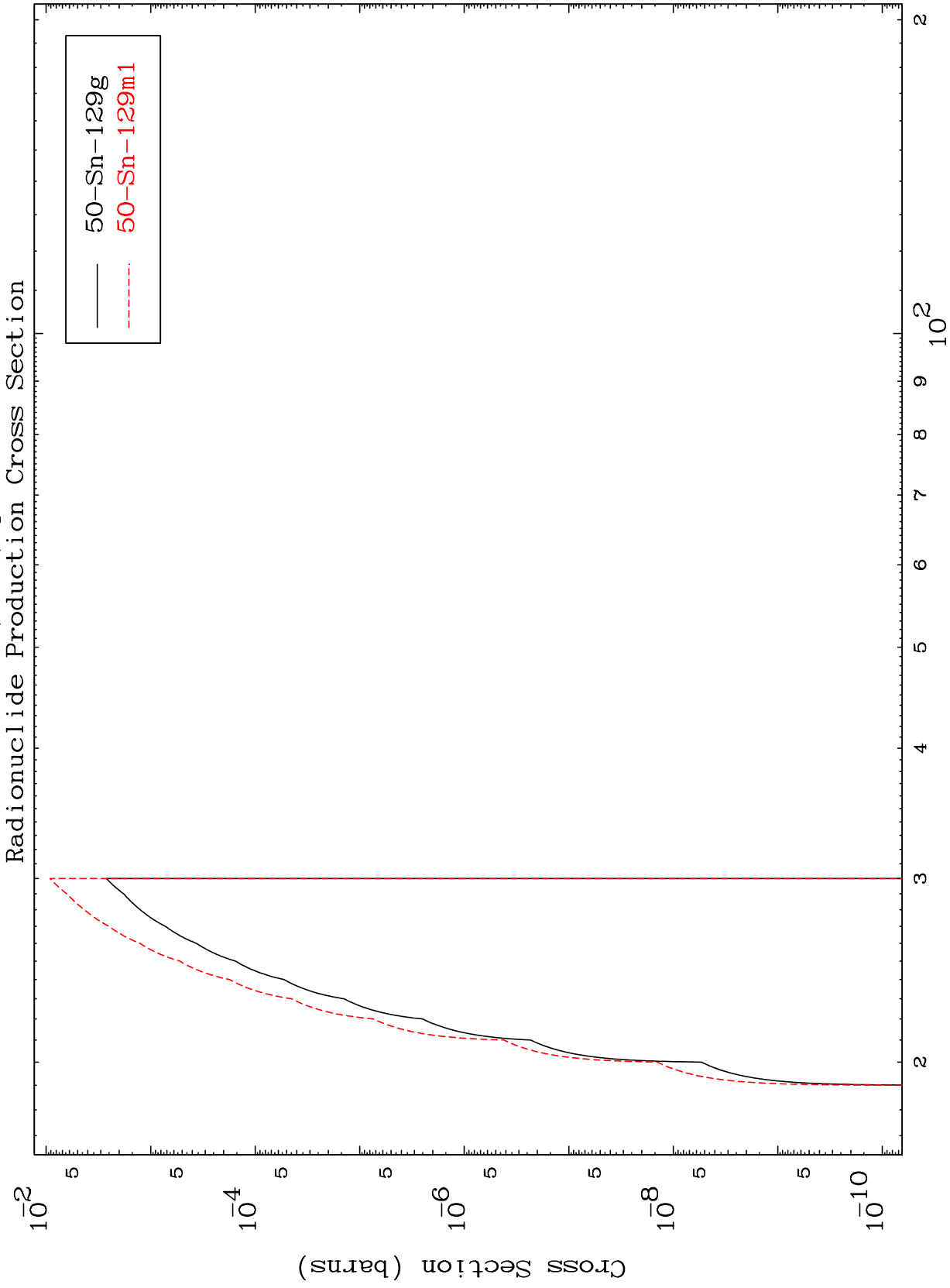
Incident Energy (MeV)

51-Sb-131

MAT 5155

(n,2n) p

51-Sb-131



143

Incident Energy (MeV)

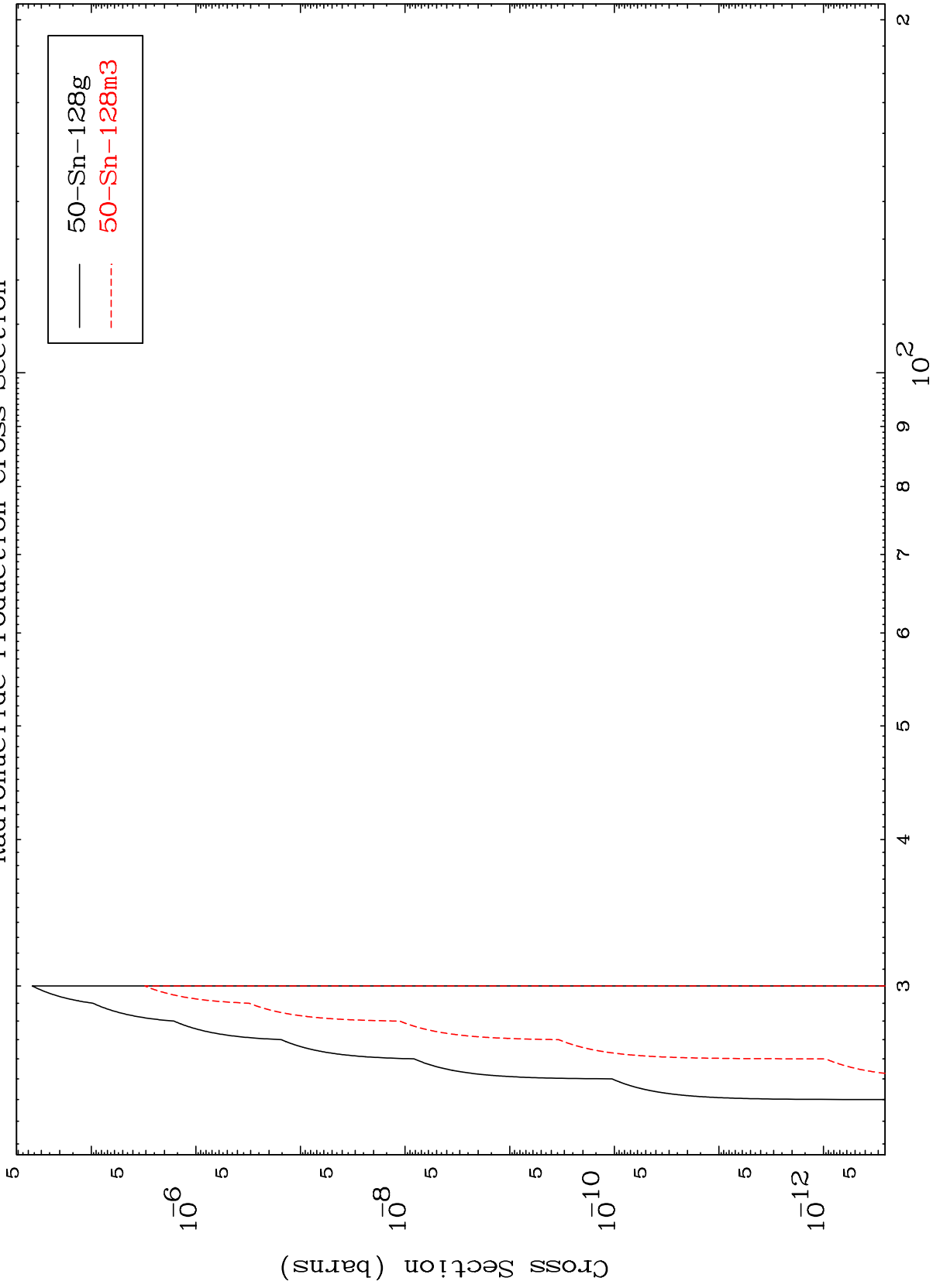
51-Sb-131

MAT 5155

(n,3n) p

51-Sb-131

Radionuclide Production Cross Section



144

Incident Energy (MeV)

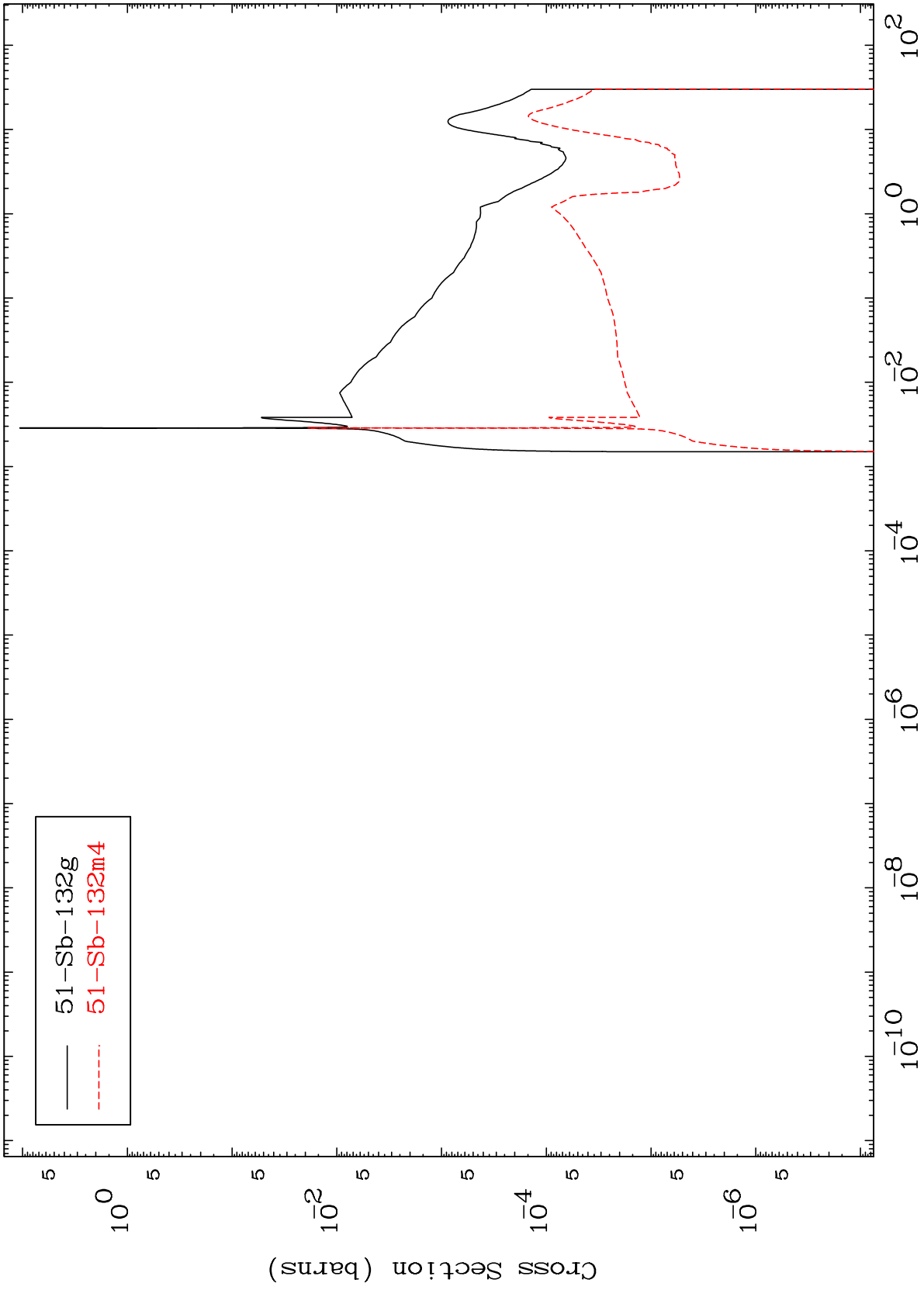
51-Sb-131

MAT 5155

(n,γ)

51-Sb-131

Radionuclide Production Cross Section

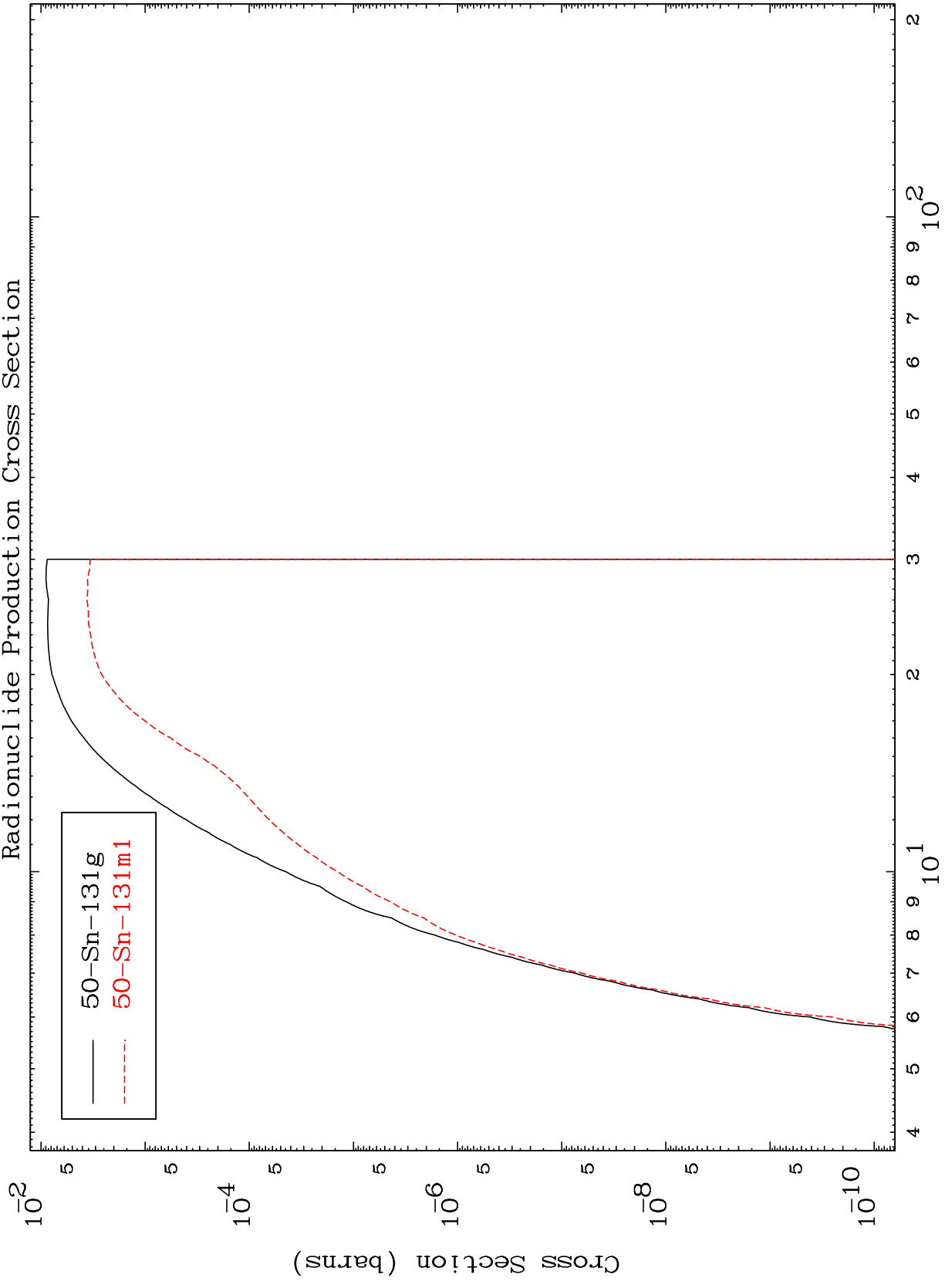


— 51-Sb-132g
- - - 51-Sb-132m4

MAT 5155

51-Sb-131

Radionuclide Production Cross Section (n,p)



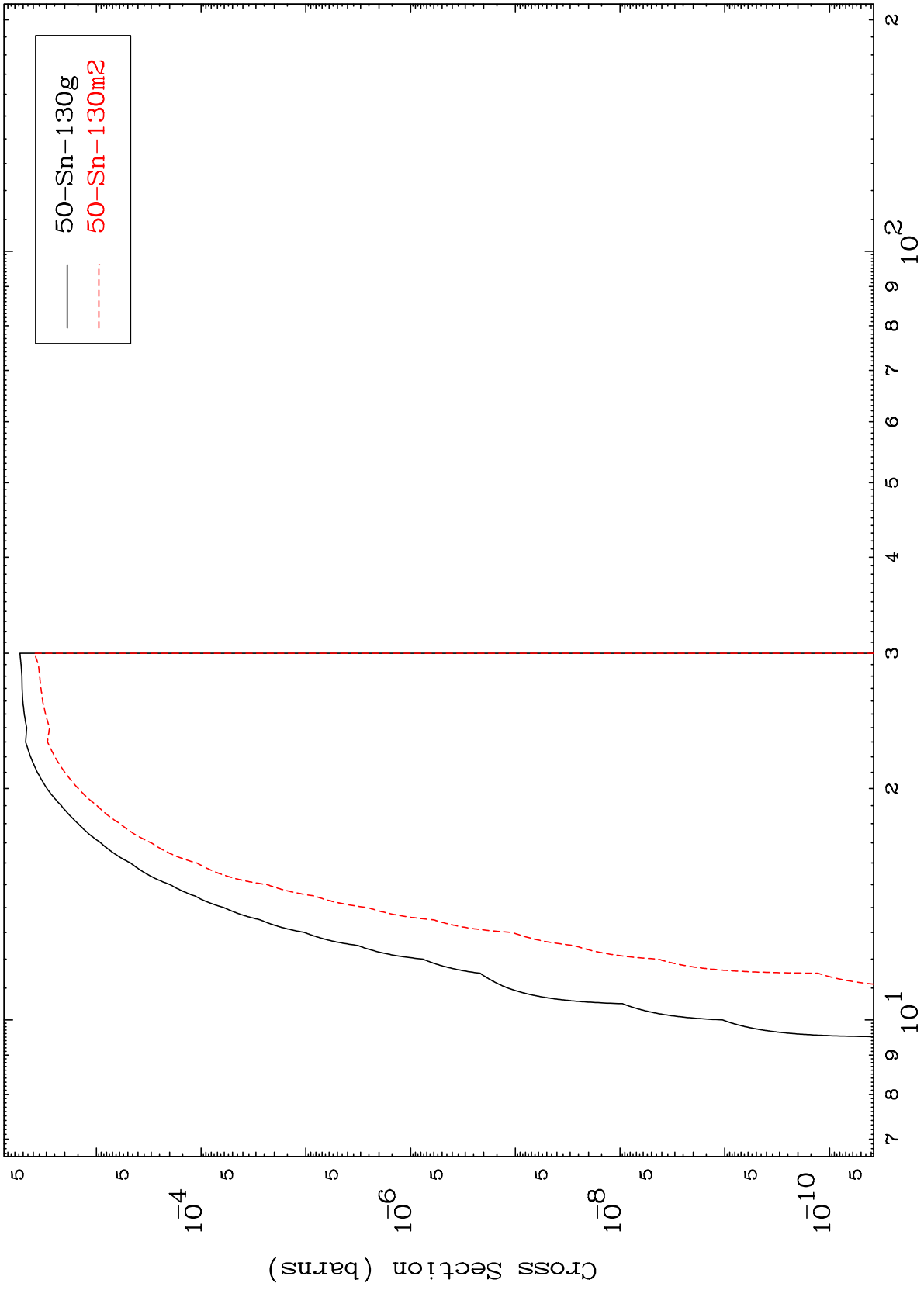
146

51-Sb-131

MAT 5155

51-Sb-131

(n,d)
Radionuclide Production Cross Section



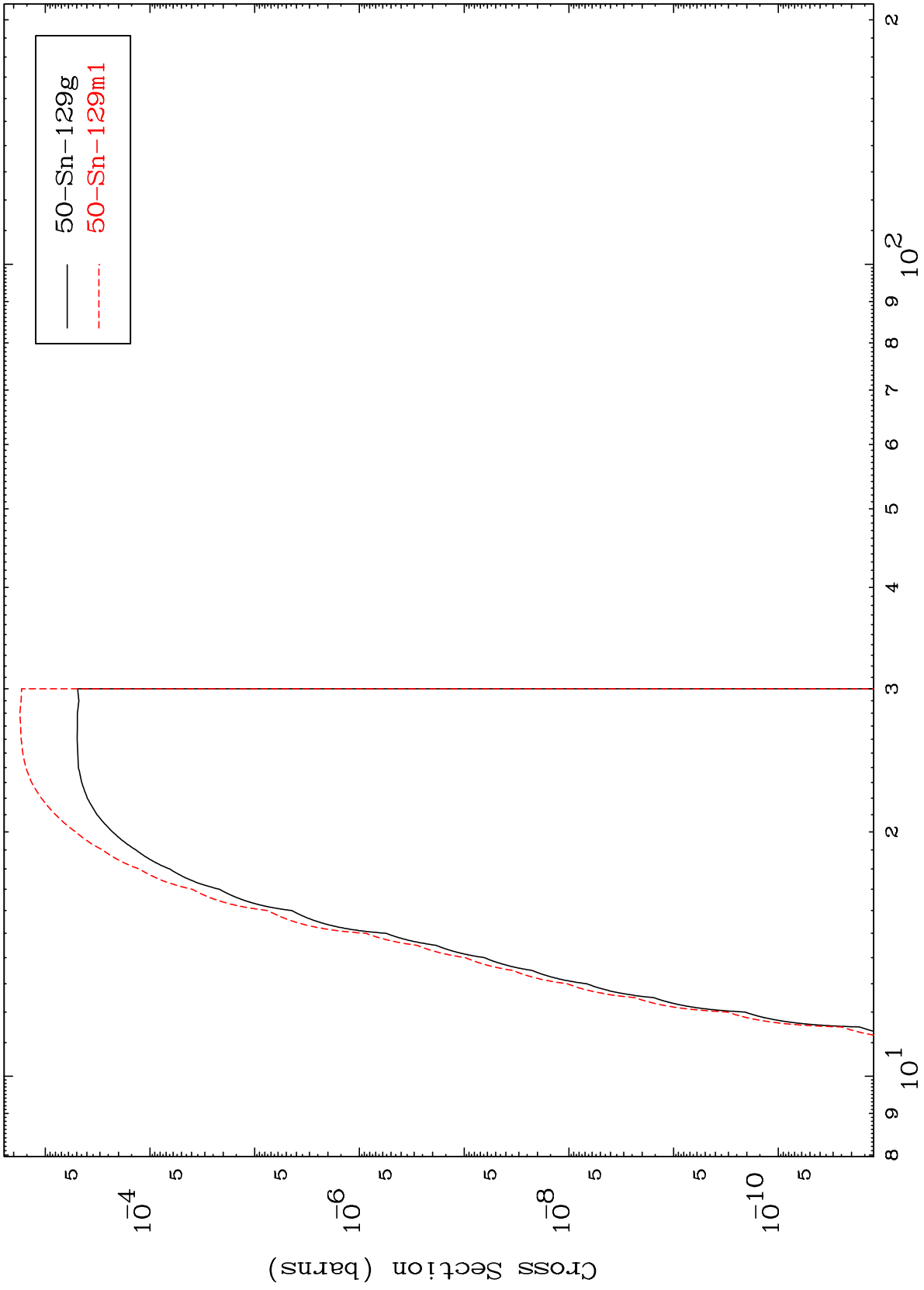
147

51-Sb-131

MAT 5155

51-Sb-131

(n, t)
Radionuclide Production Cross Section



148

Incident Energy (MeV)

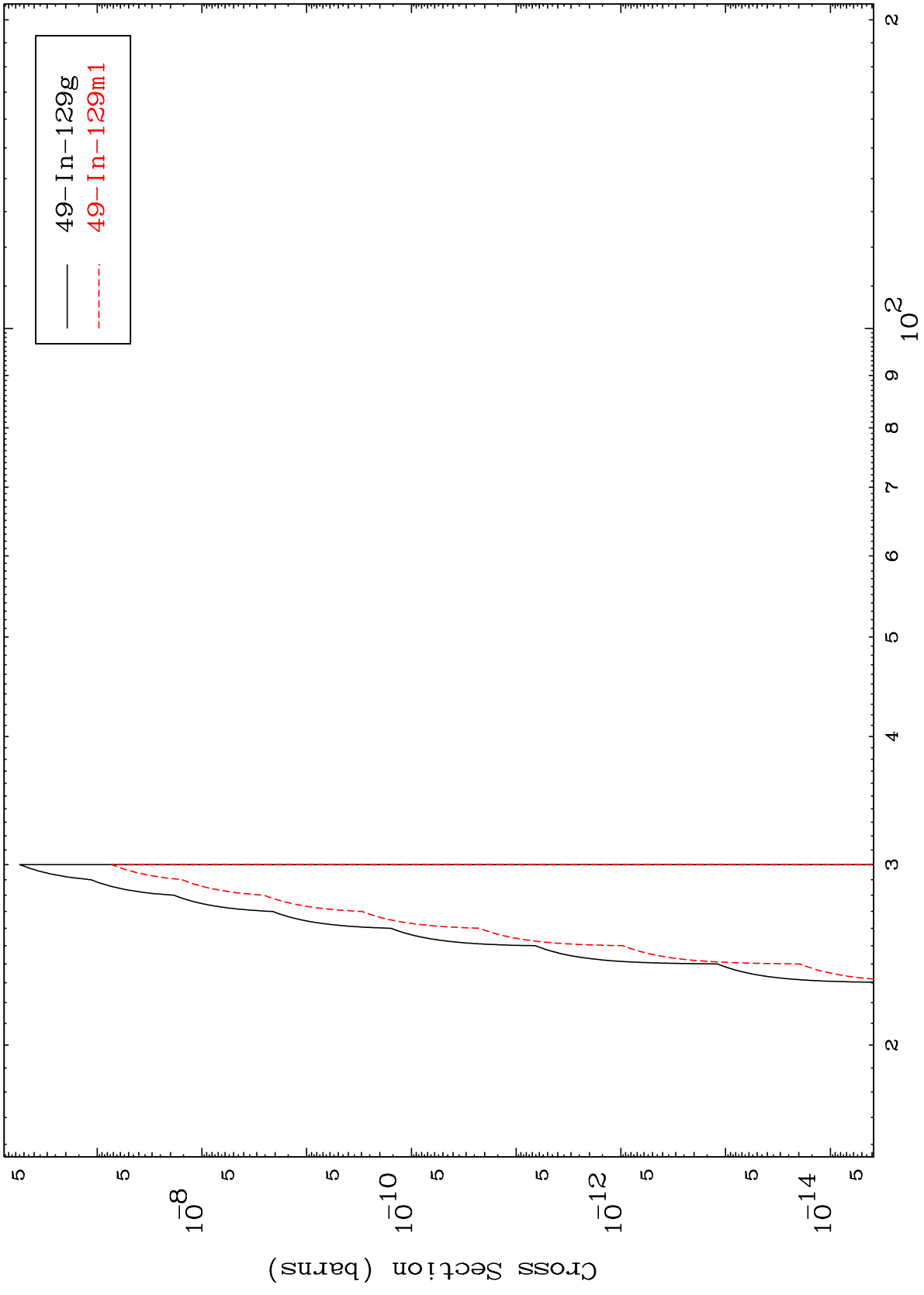
51-Sb-131

MAT 5155

(n,He-3)

51-Sb-131

Radionuclide Production Cross Section



149

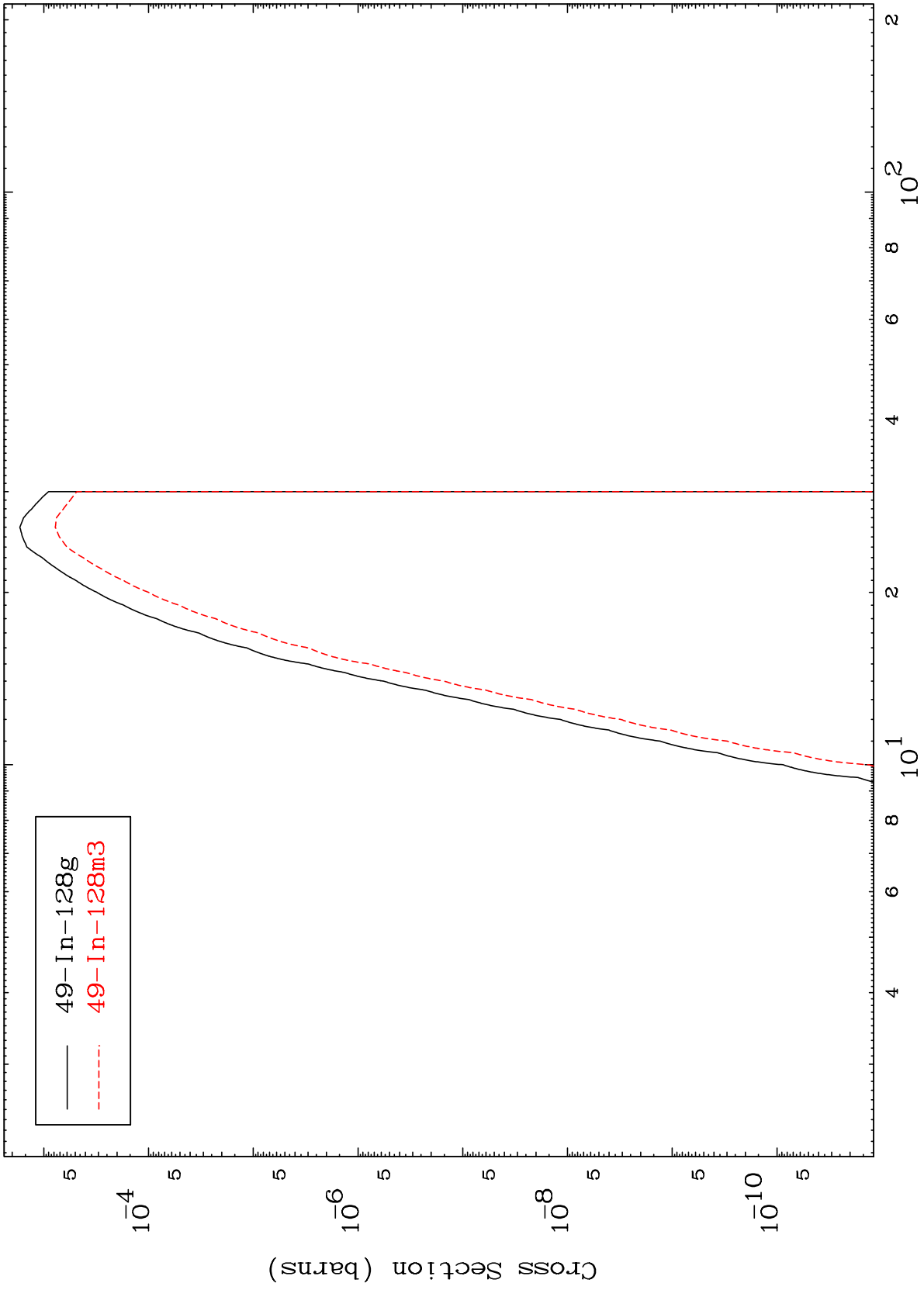
Incident Energy (MeV)

51-Sb-131

MAT 5155

51-Sb-131

(n,α)
Radionuclide Production Cross Section



150

51-Sb-131