

Program EVALPLOT
(Version 2018-1)

by

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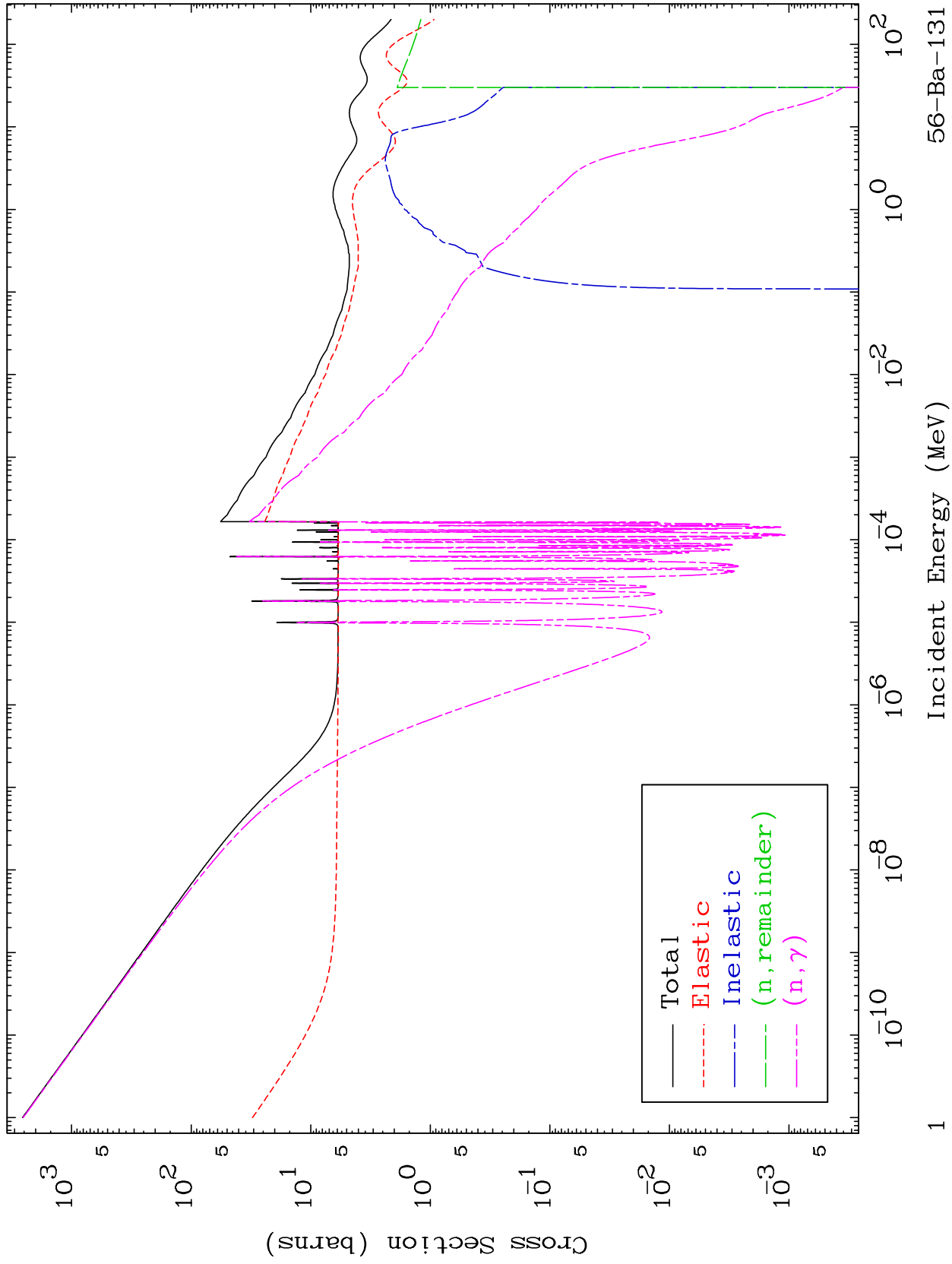
Press Mouse Button to Start

MAT 5628

Major

293 Kelvin Cross Sections

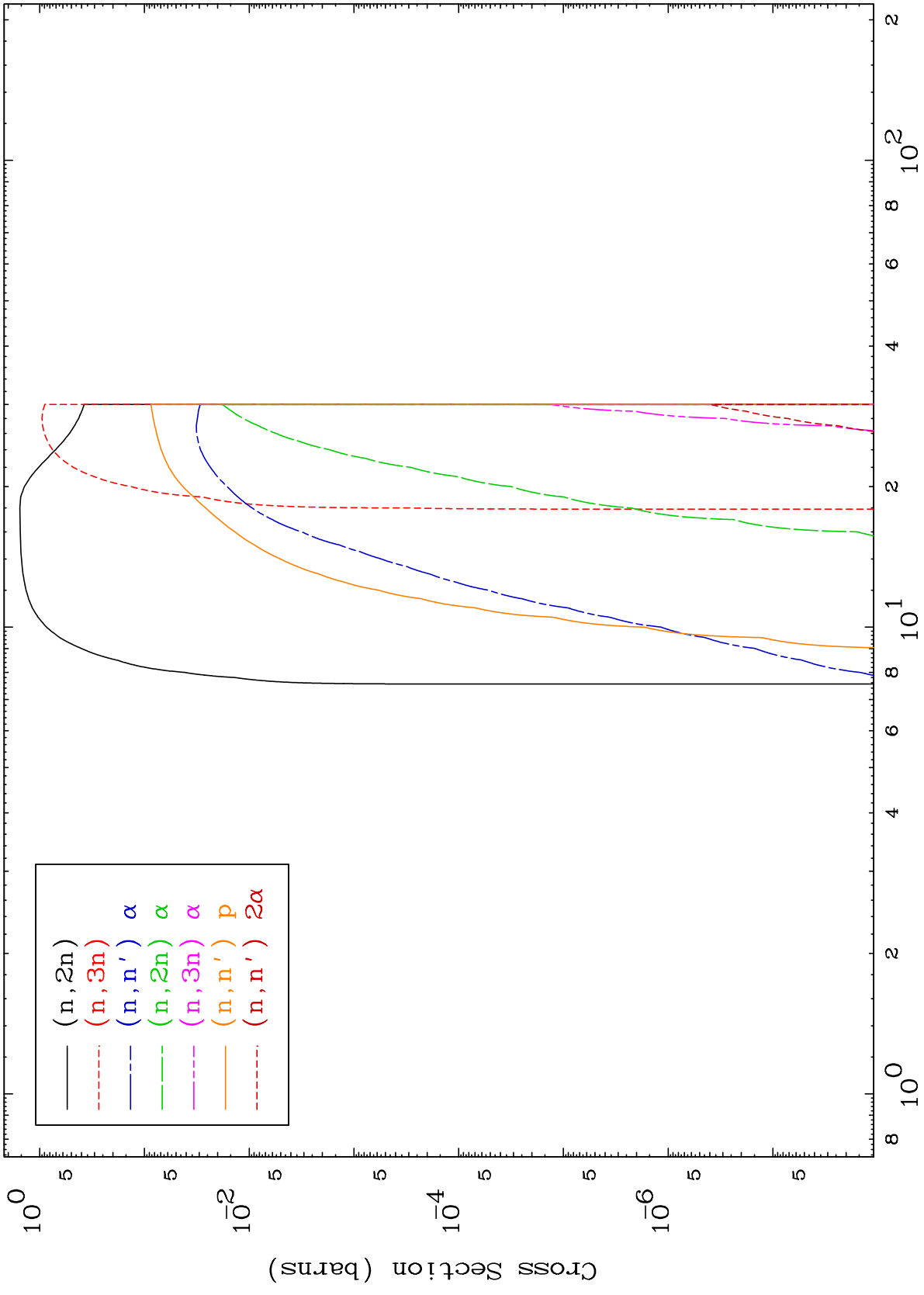
56-Ba-131



MAT 5628

Neutron Production
293 Kelvin Cross Sections

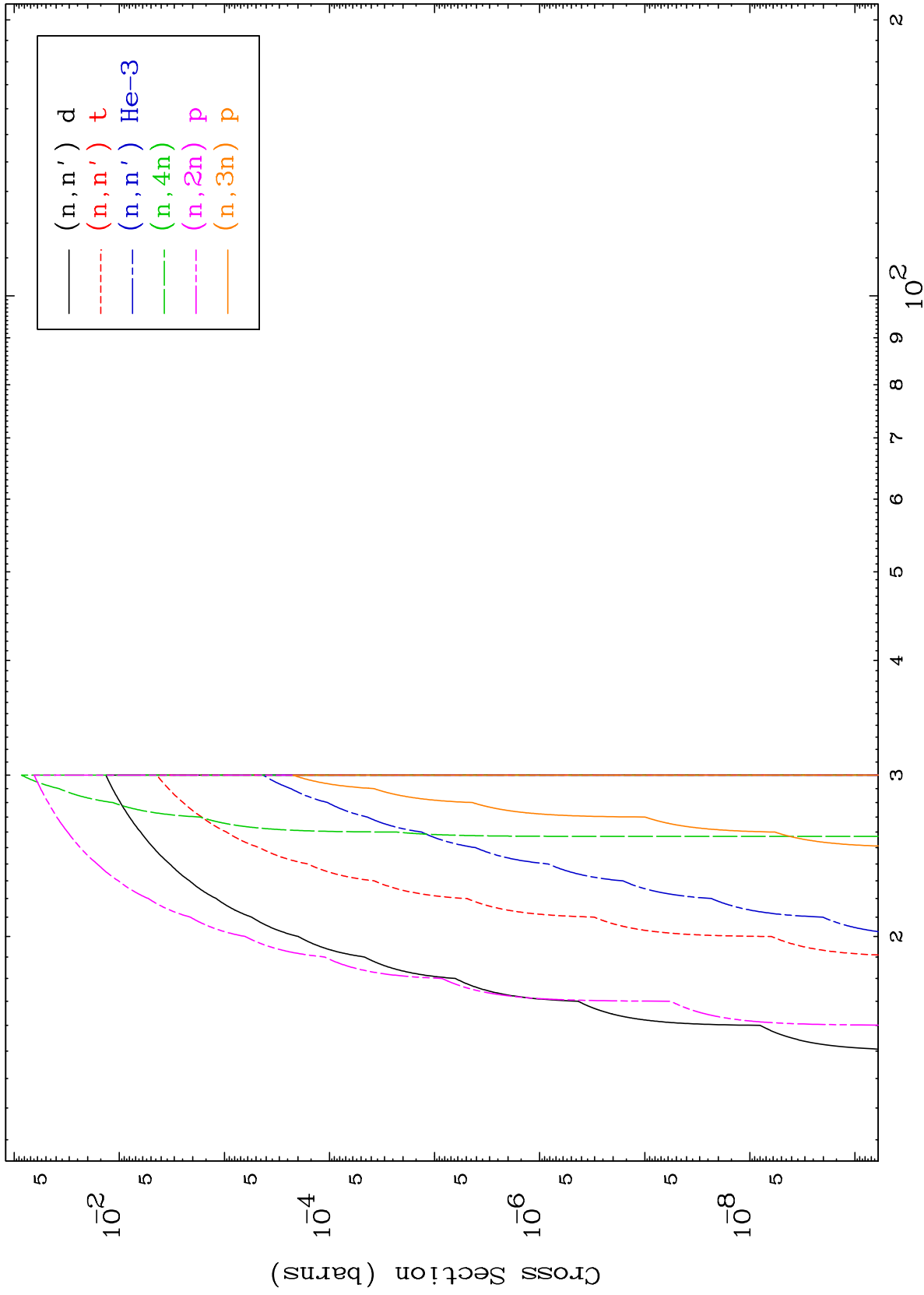
56-Ba-131



56-Ba-131

Incident Energy (MeV)

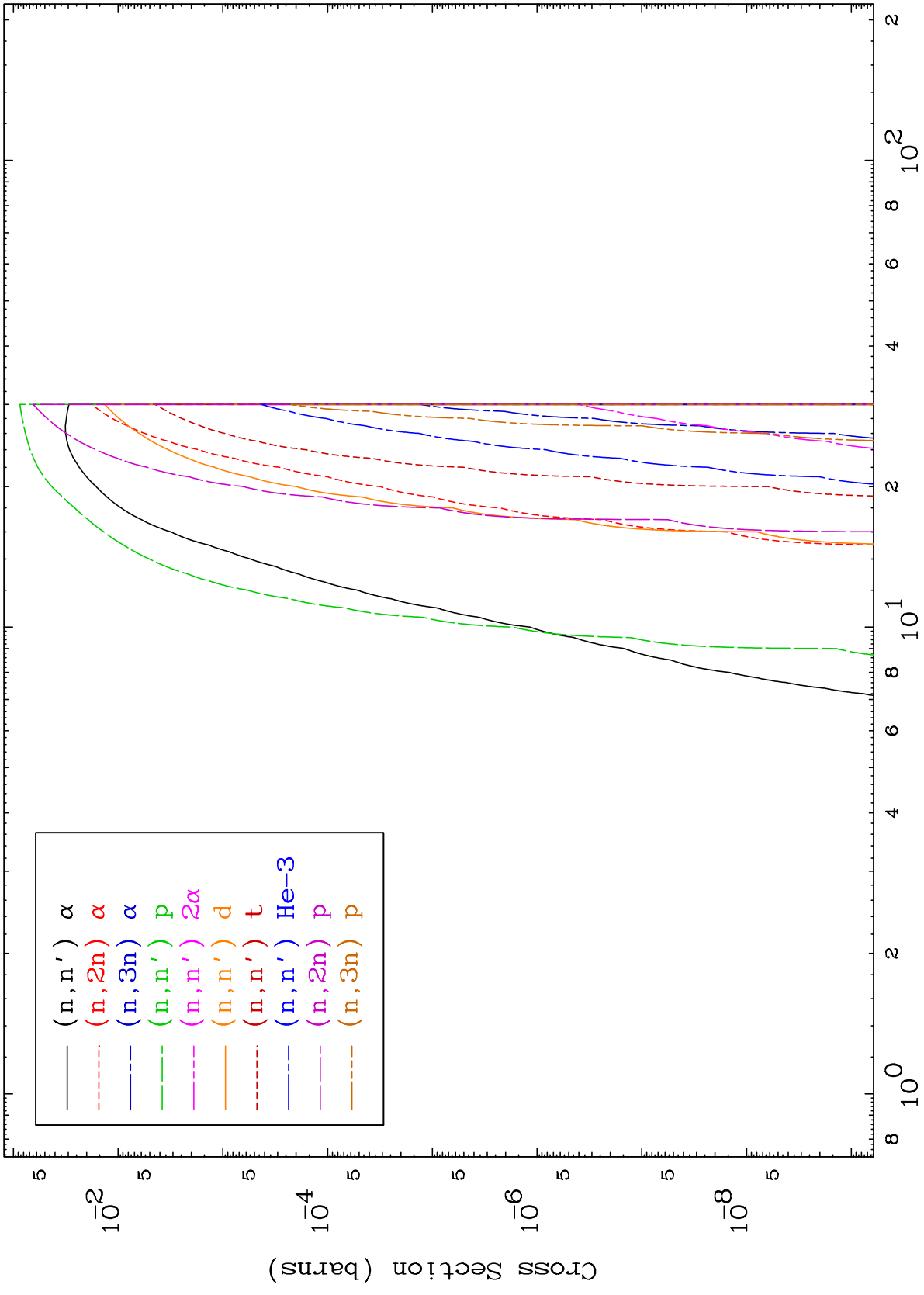
2



MAT 5628

293 Kelvin Cross Sections

56-Ba-131



4

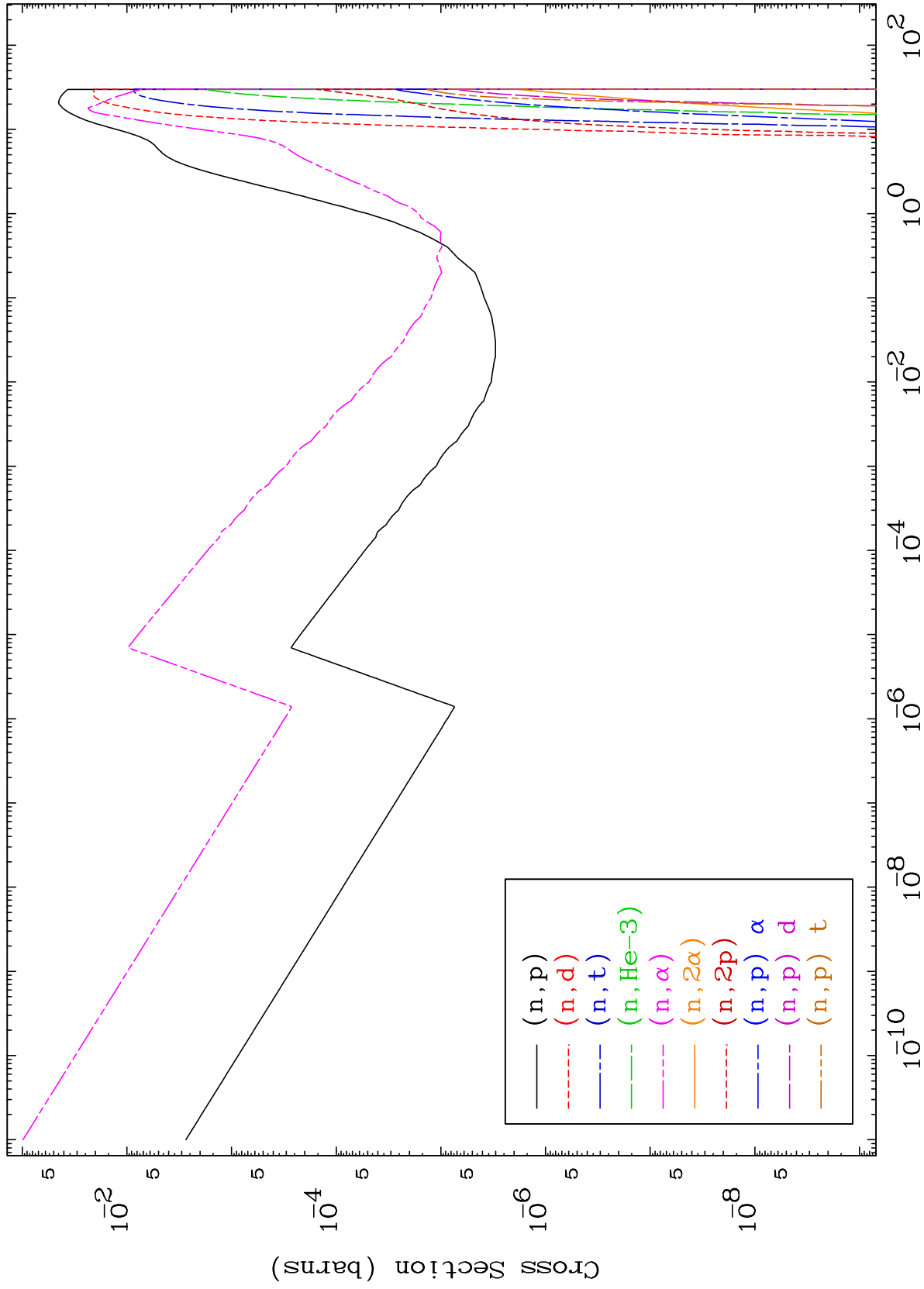
Incident Energy (MeV)

56-Ba-131

MAT 5628

293 Kelvin Cross Sections

56-Ba-131

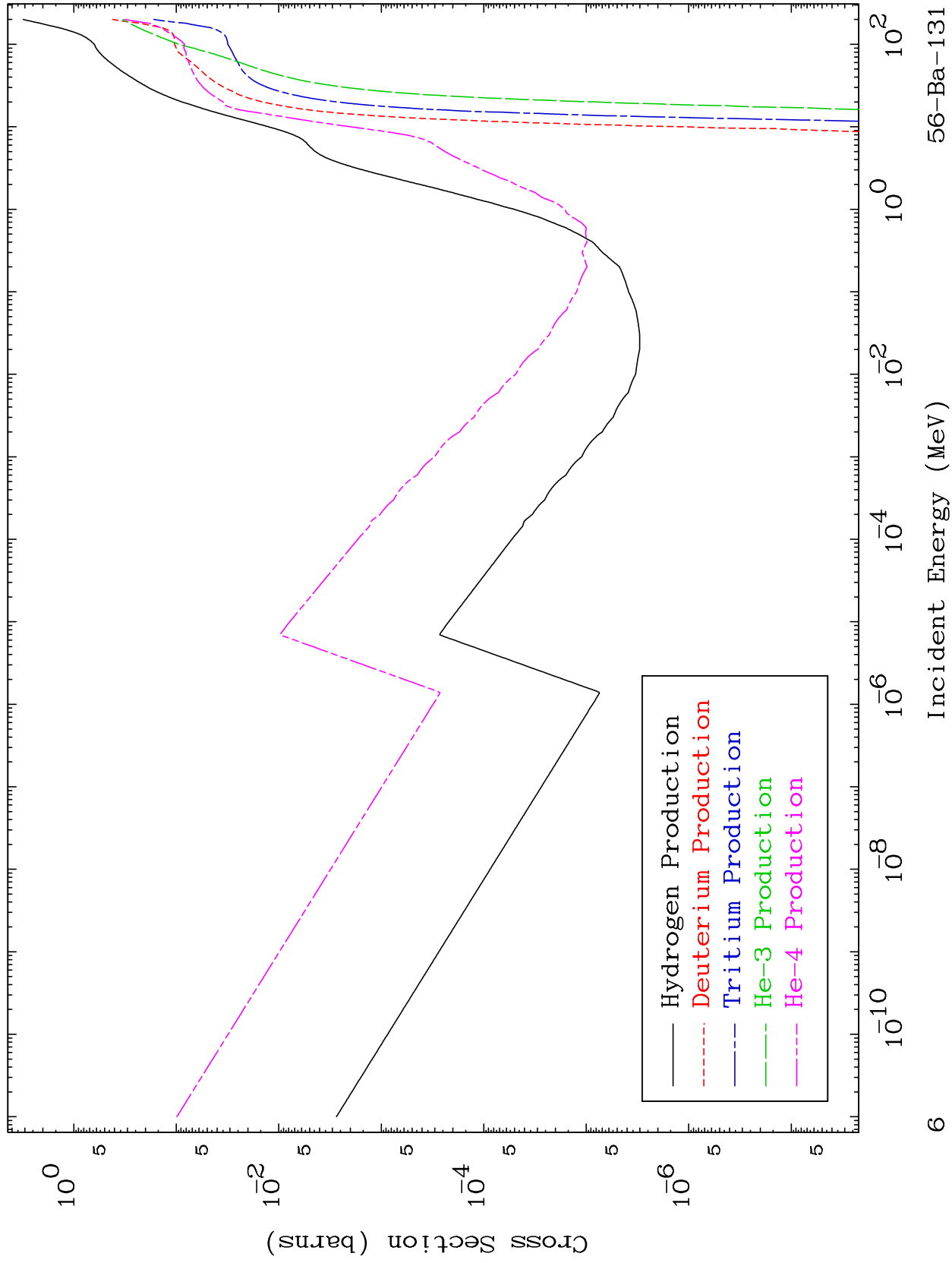


56-Ba-131

MAT 5628

Particle Production
293 Kelvin Cross Sections

56-Ba-131

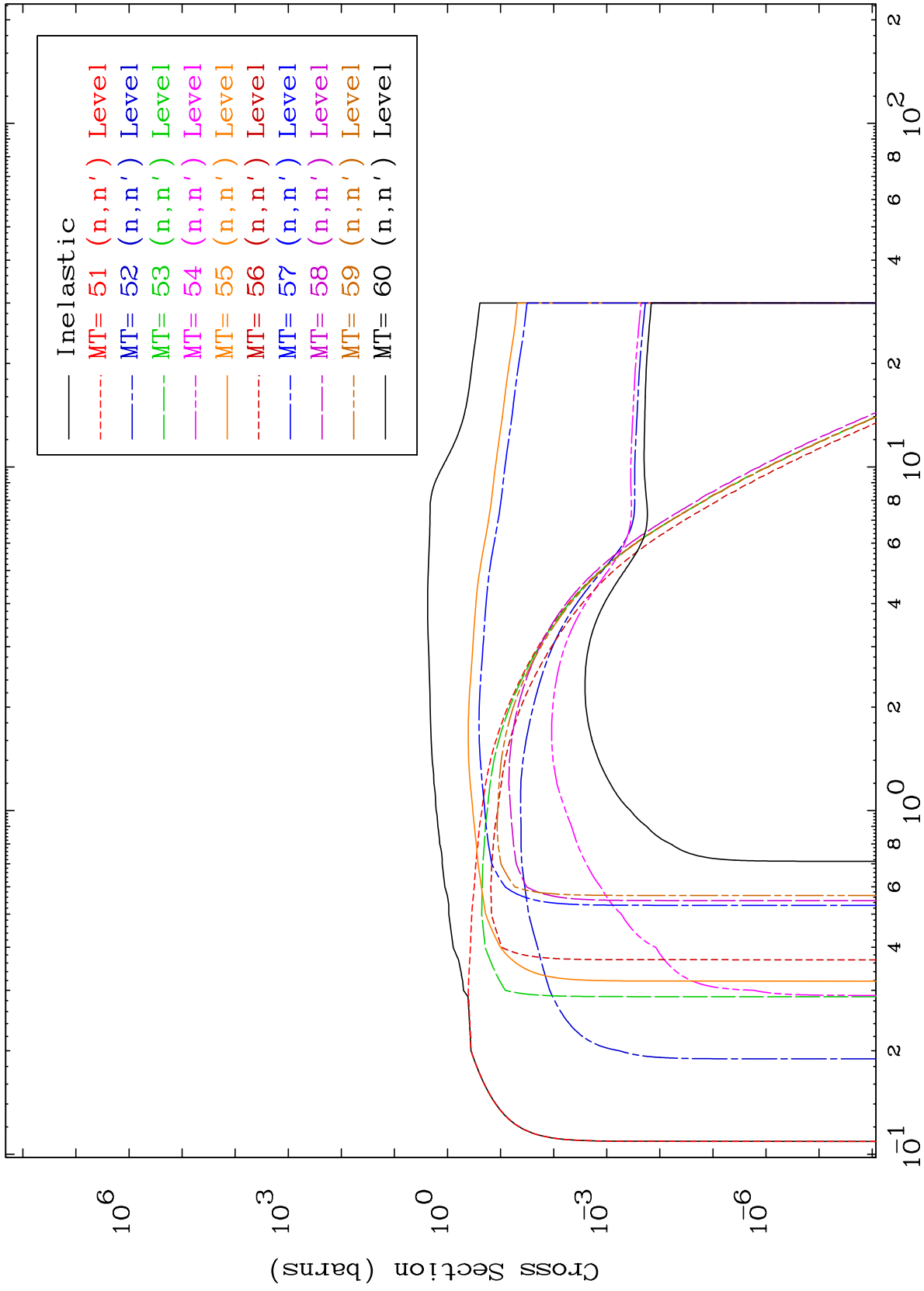


MAT 5628

(n,n') Level

56-Ba-131

293 Kelvin Cross Sections



Incident Energy (MeV)

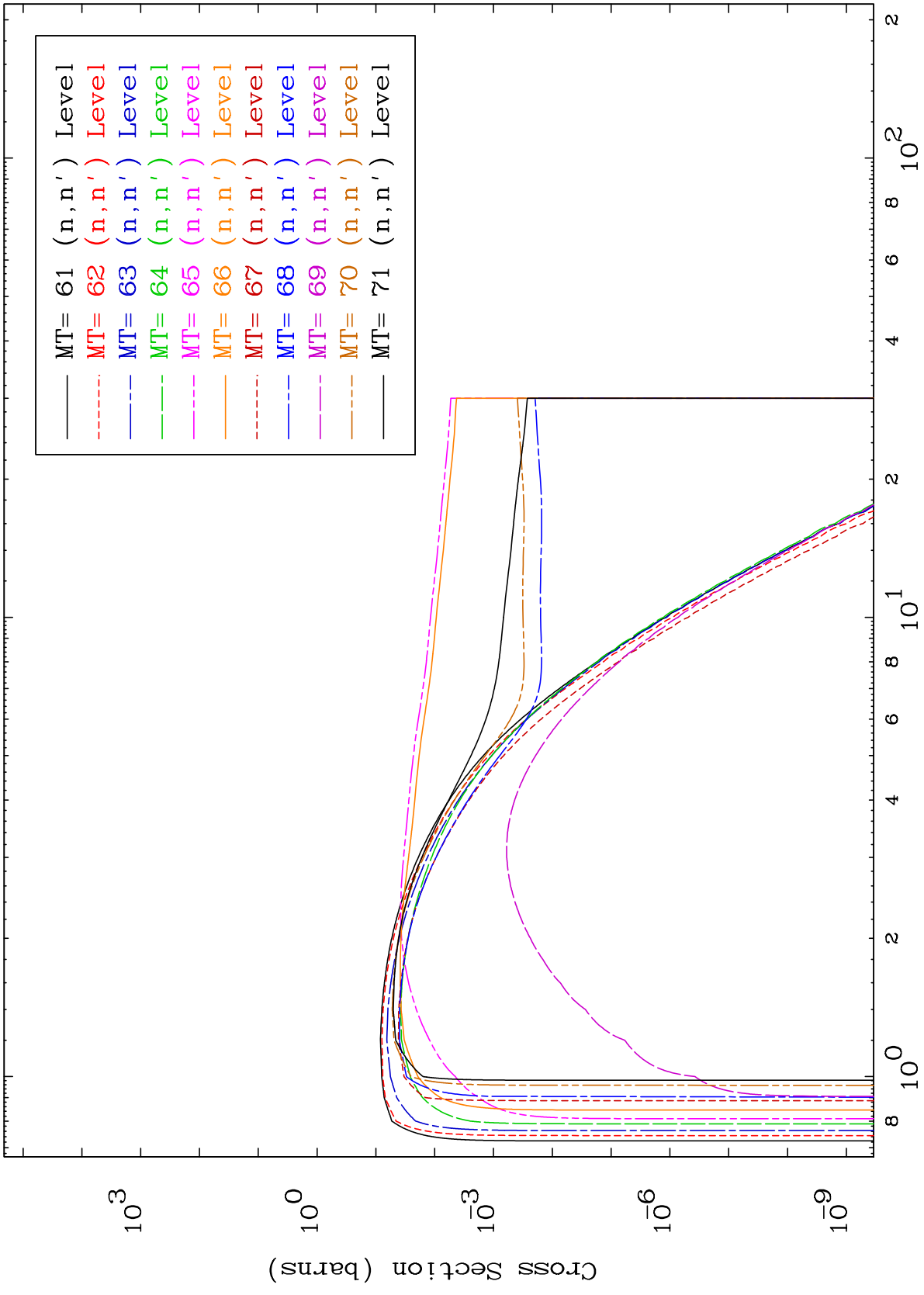
56-Ba-131

MAT 5628

(n,n') Level

56-Ba-131

293 Kelvin Cross Sections



8

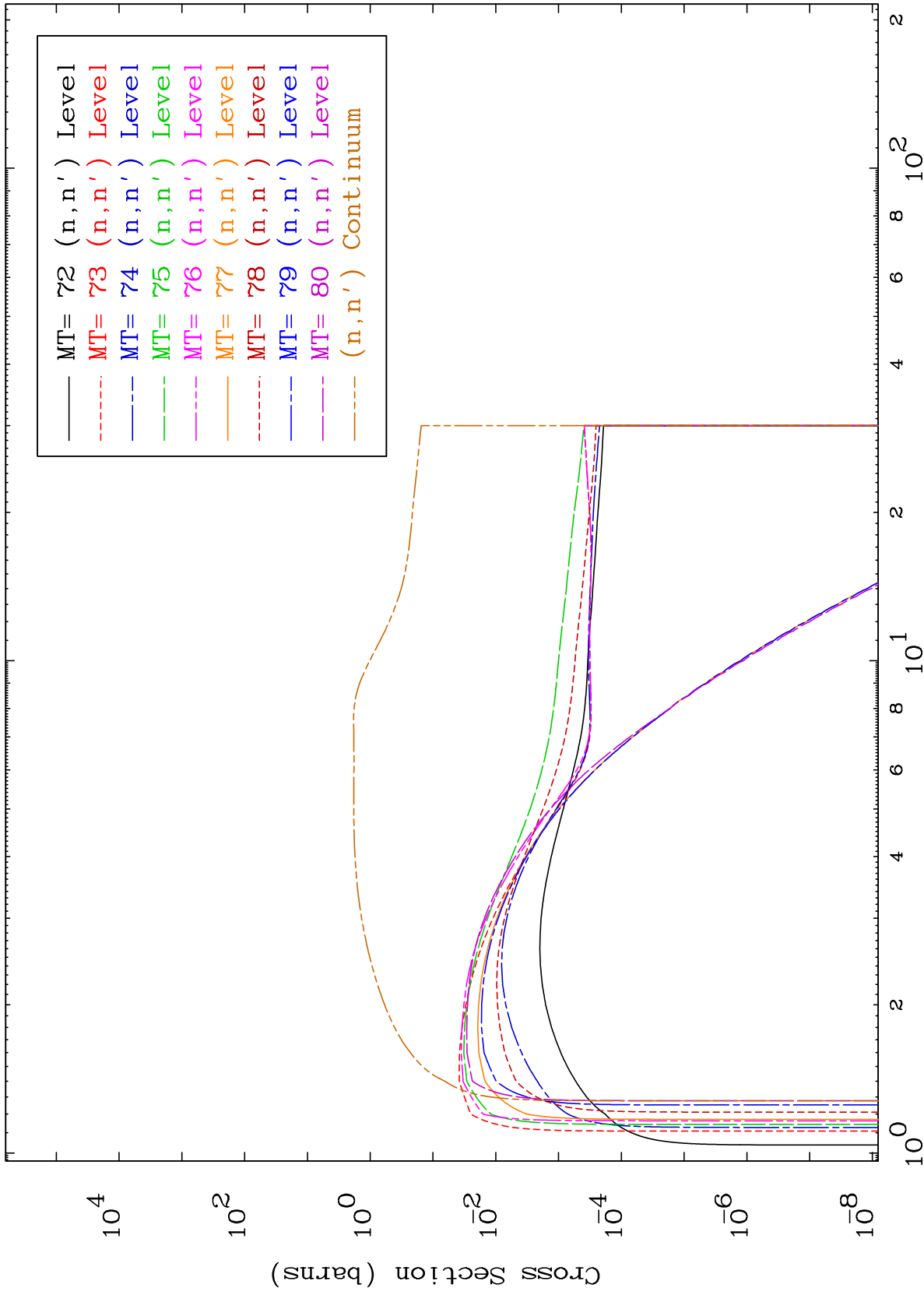
Incident Energy (MeV)

56-Ba-131

MAT 5628

(n,n') Level
293 Kelvin Cross Sections

56-Ba-131



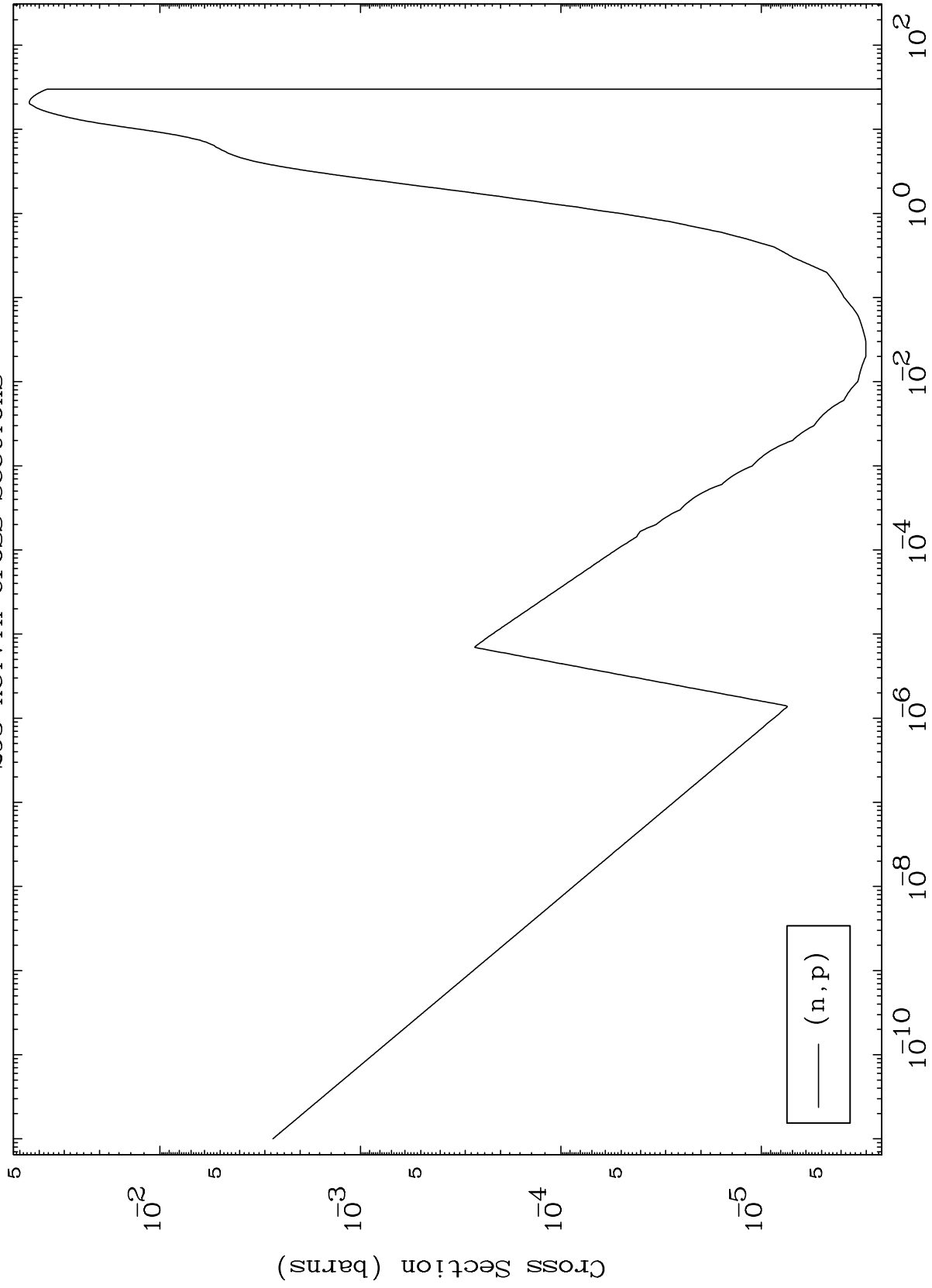
Incident Energy (MeV)

56-Ba-131

MAT 5628

(n,p) Levels
293 Kelvin Cross Sections

56-Ba-131



10

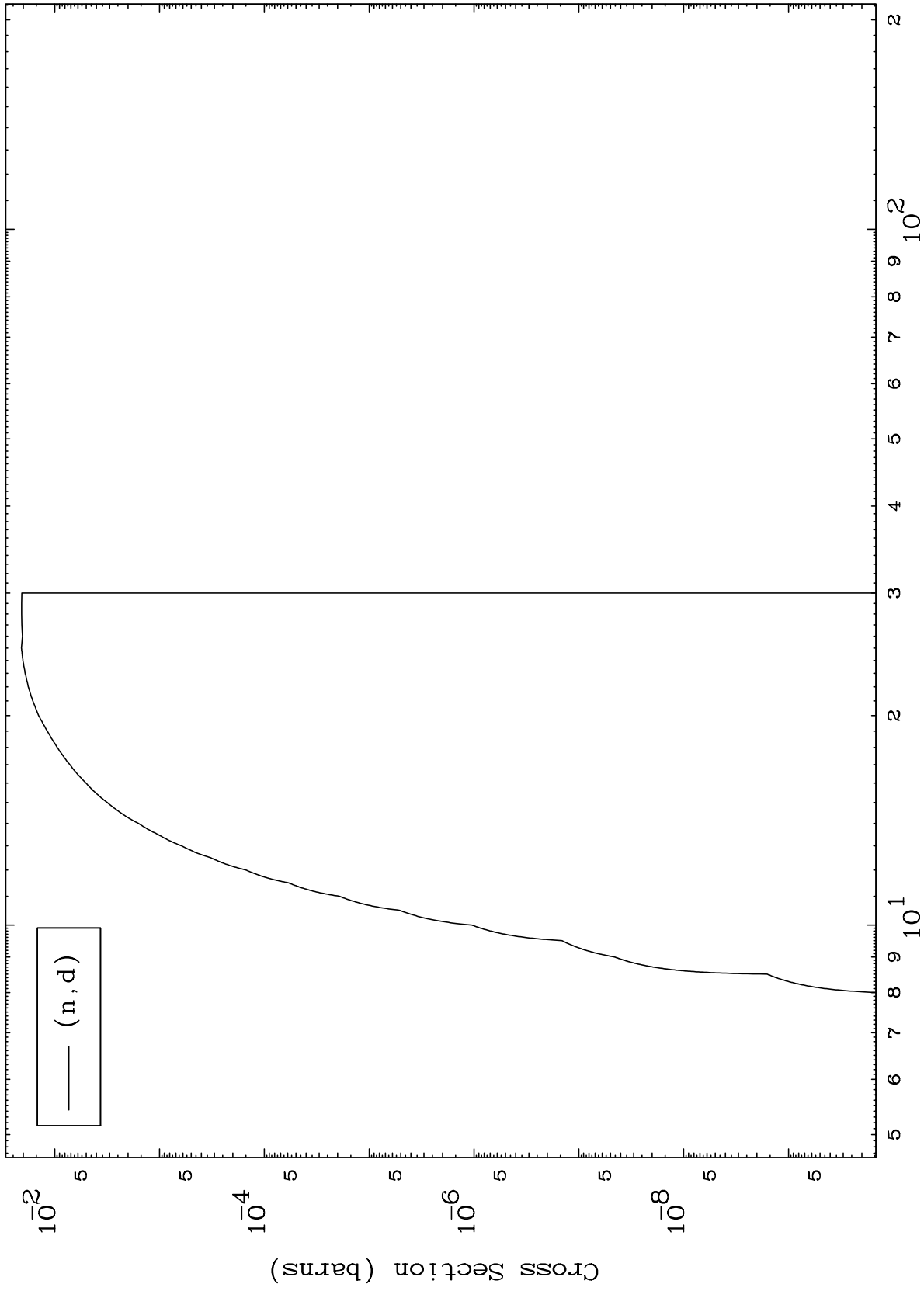
Incident Energy (MeV)

56-Ba-131

MAT 5628

(n,d) Levels
293 Kelvin Cross Sections

56-Ba-131



11

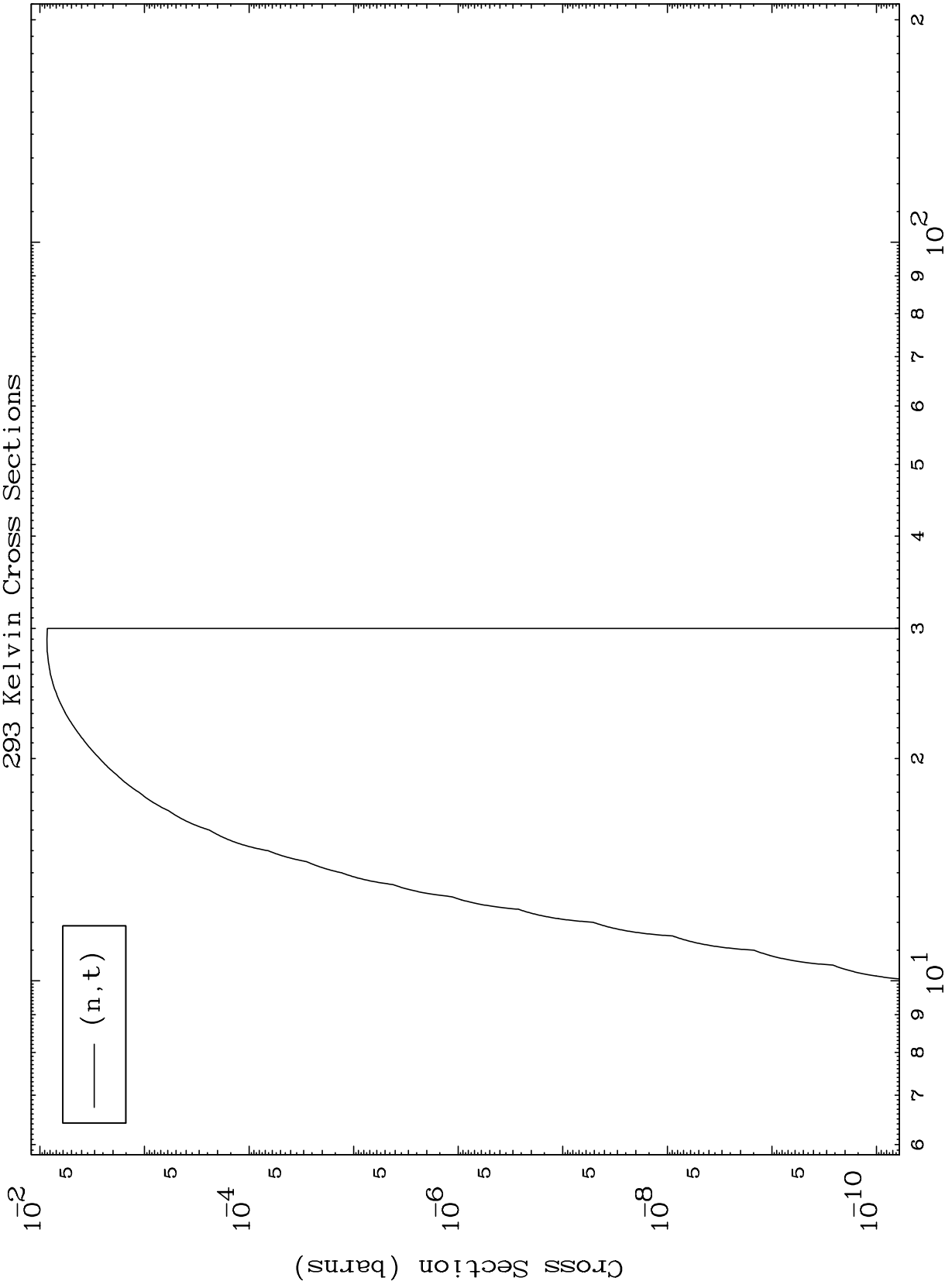
Incident Energy (MeV)

56-Ba-131

MAT 5628

(n,t) Levels
293 Kelvin Cross Sections

56-Ba-131



12

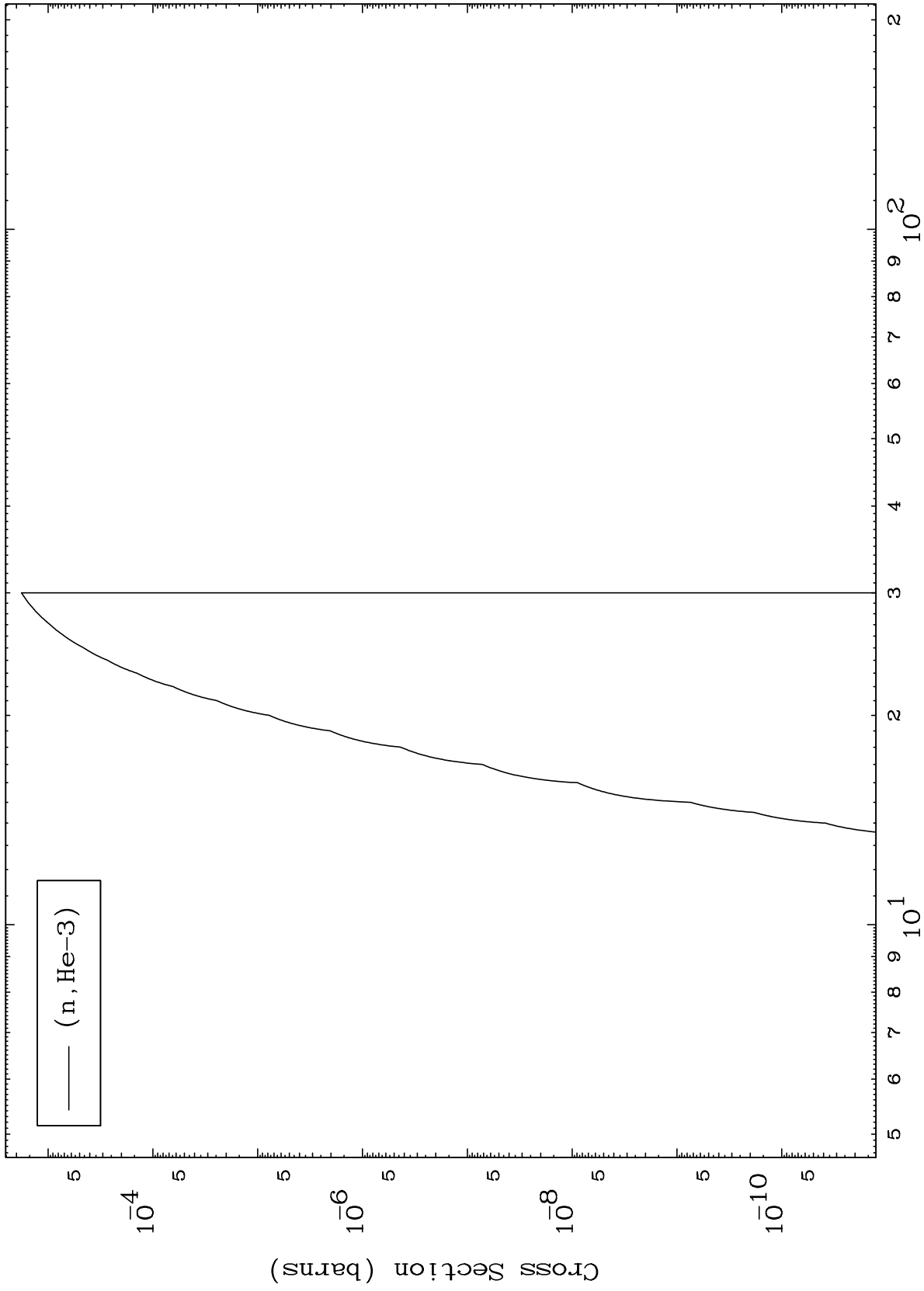
Incident Energy (MeV)

56-Ba-131

MAT 5628

(n,He3) Levels
293 Kelvin Cross Sections

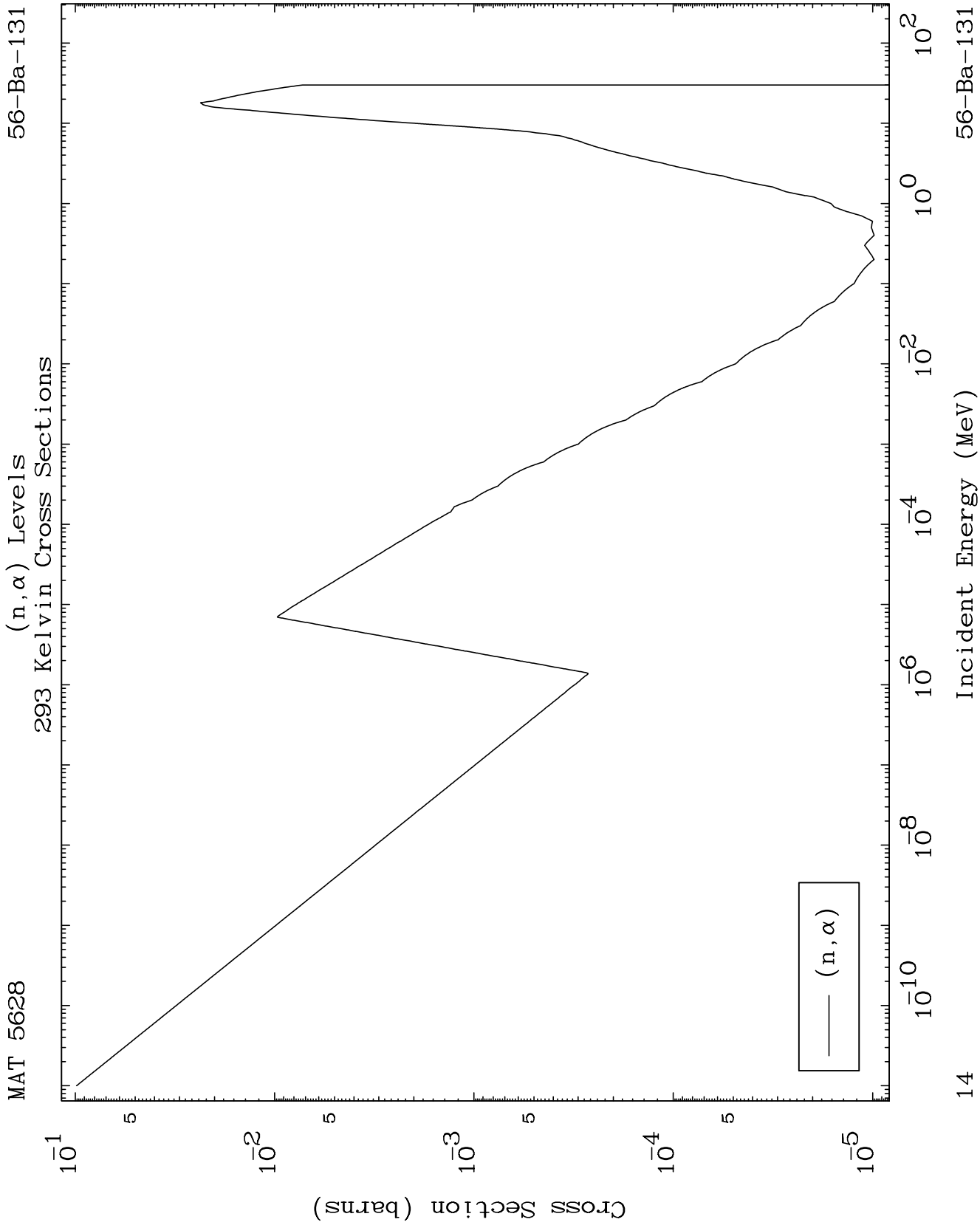
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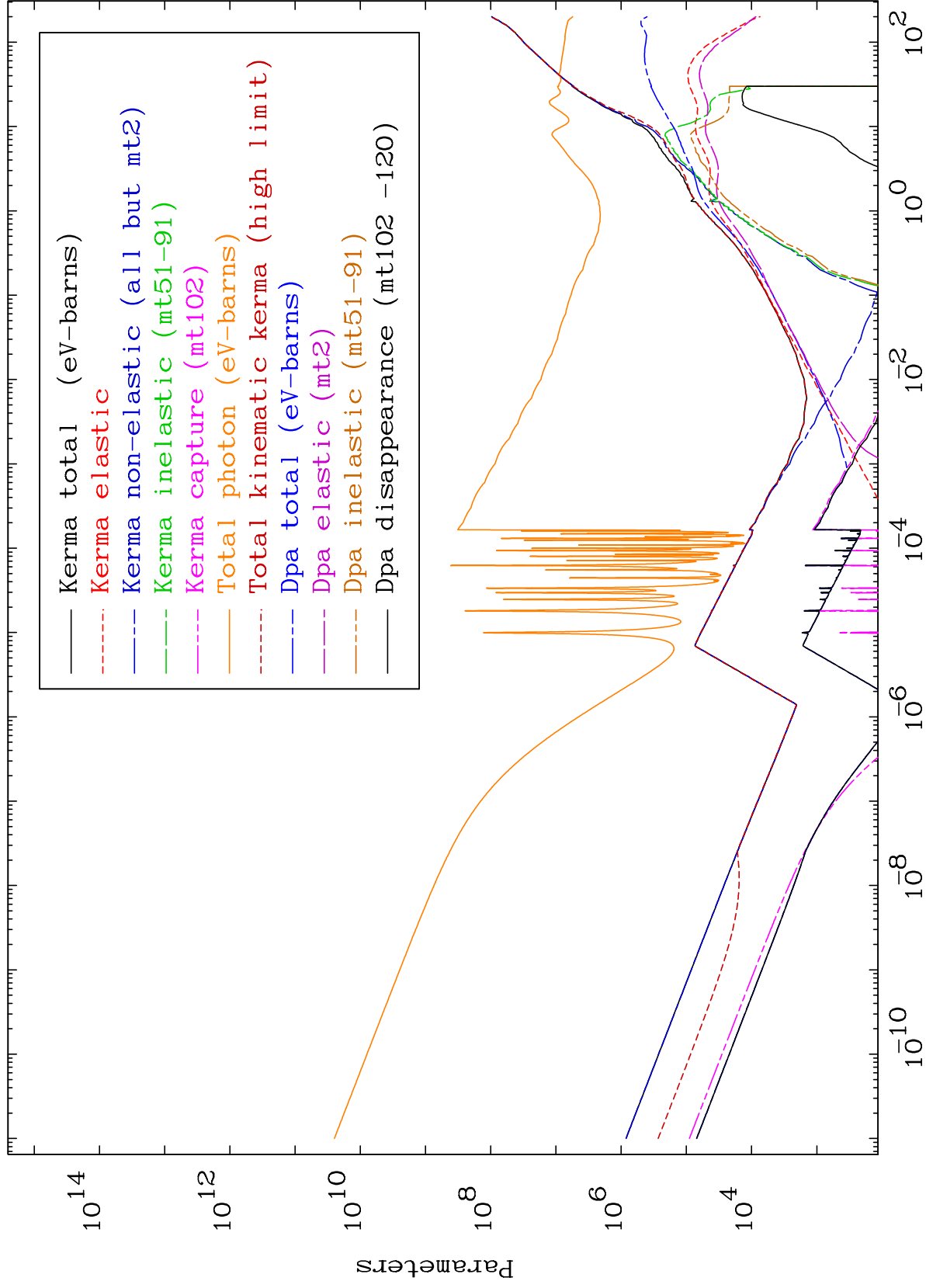


13

Incident Energy (MeV)

56-Ba-131

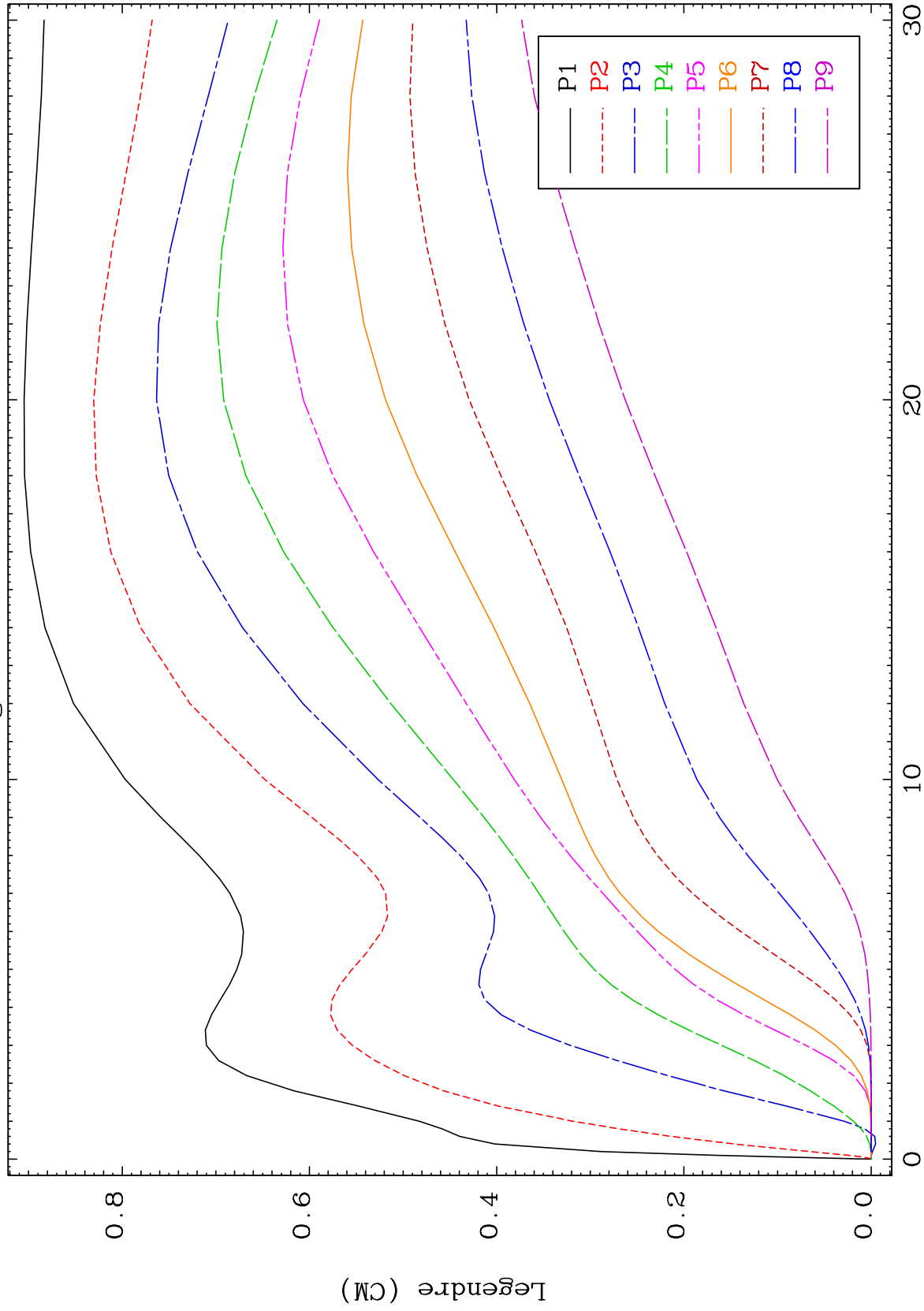




MAT 5628

Elastic Legendre Coefficients

56-Ba-131



16

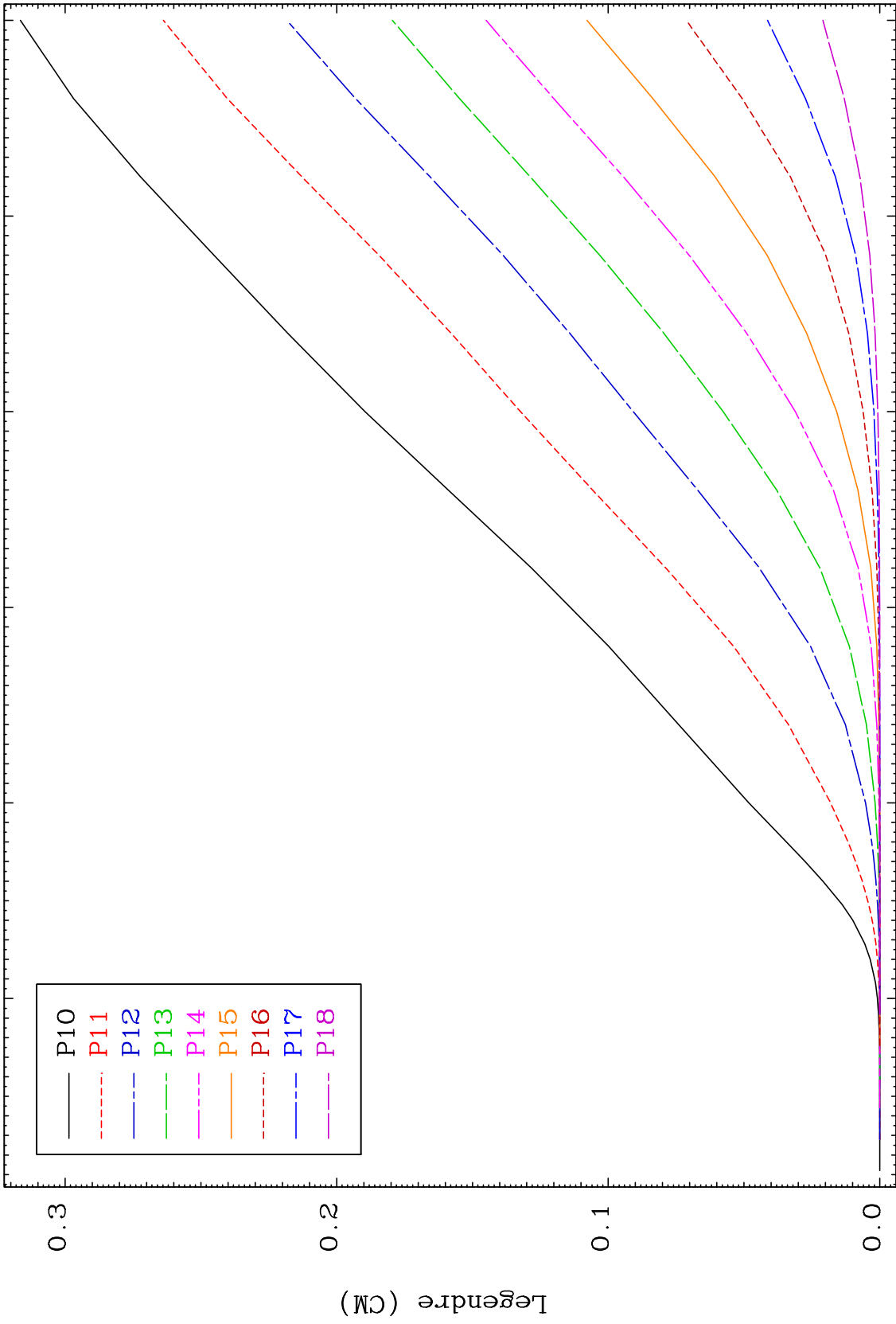
Incident Energy (MeV)

56-Ba-131

MAT 5628

Elastic Legendre Coefficients

56-Ba-131



17

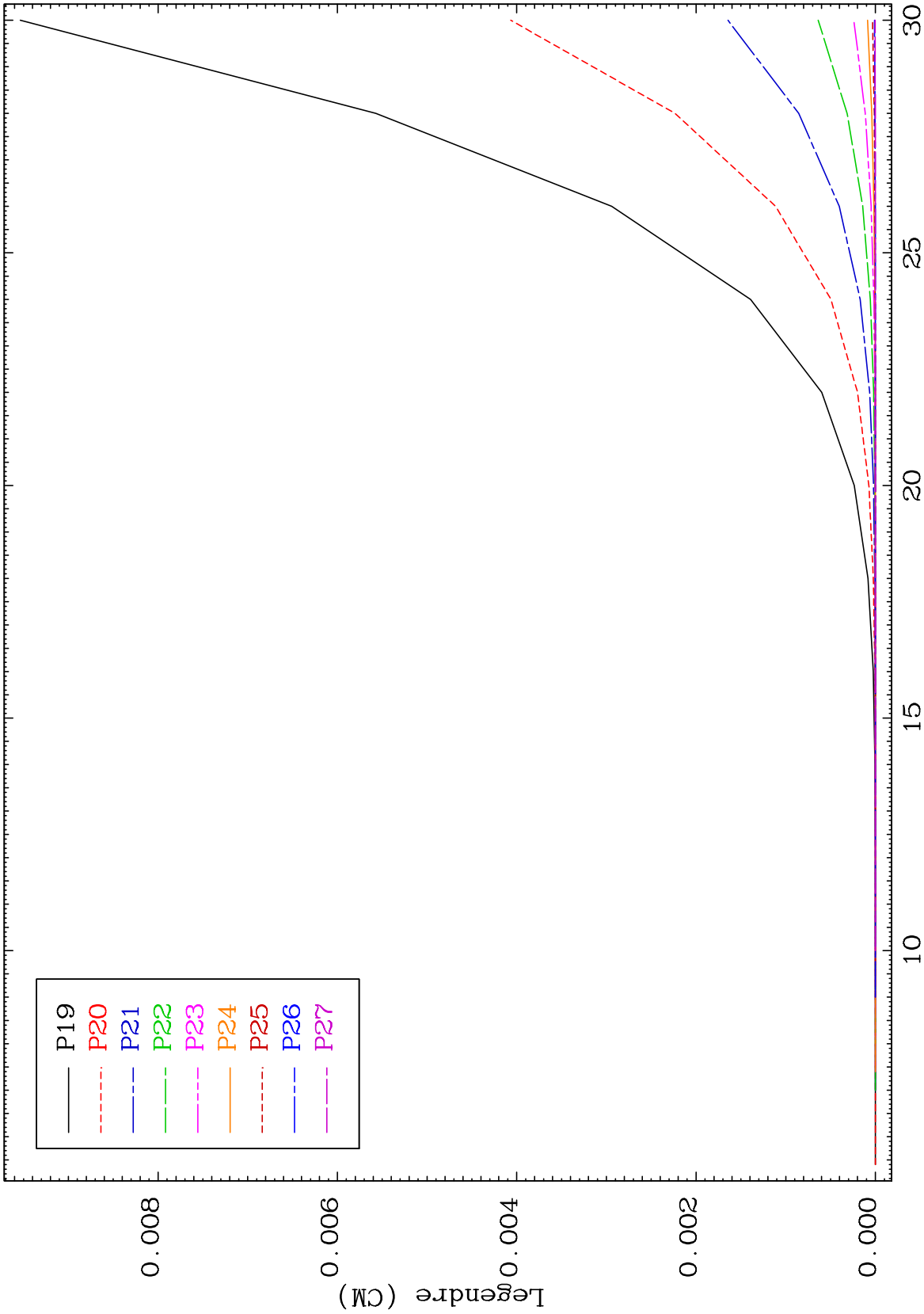
Incident Energy (MeV)

56-Ba-131

MAT 5628

Elastic Legendre Coefficients

56-Ba-131



18

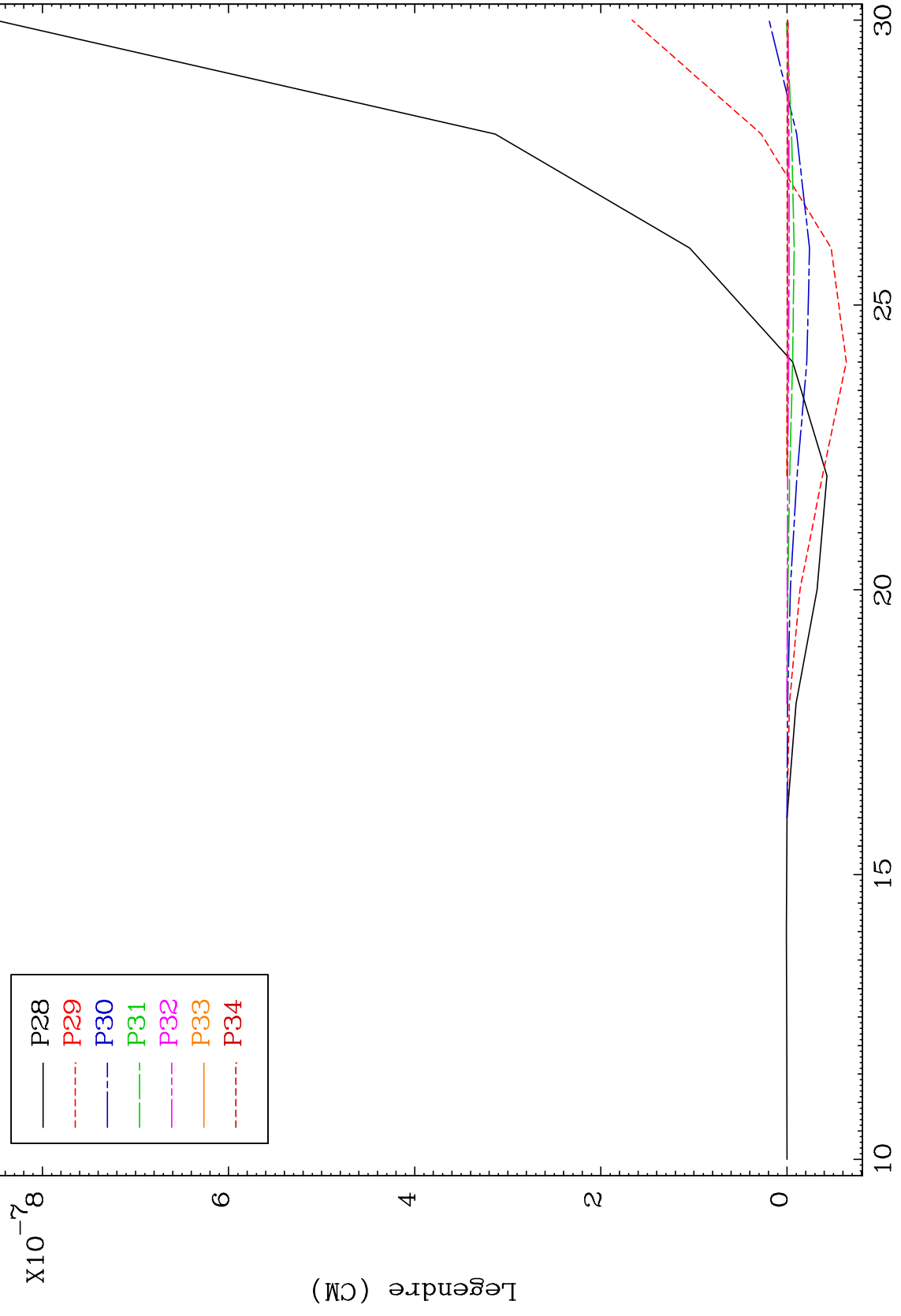
Incident Energy (MeV)

56-Ba-131

MAT 5628

Elastic Legendre Coefficients

56-Ba-131

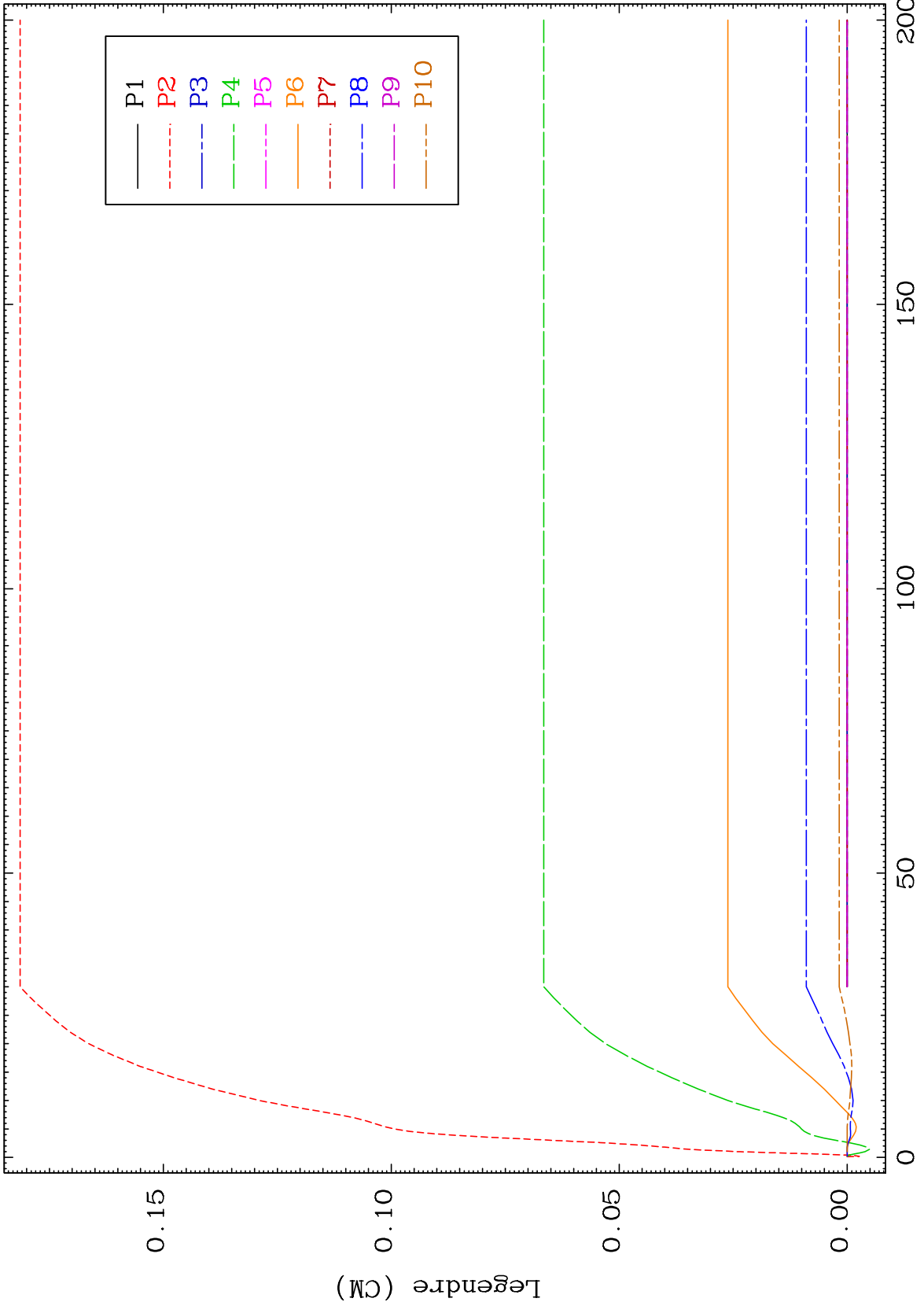


19

Incident Energy (MeV)

56-Ba-131

MAT 5628 MT= 51 (n,n') Level Legendre Coefficients 56-Ba-131

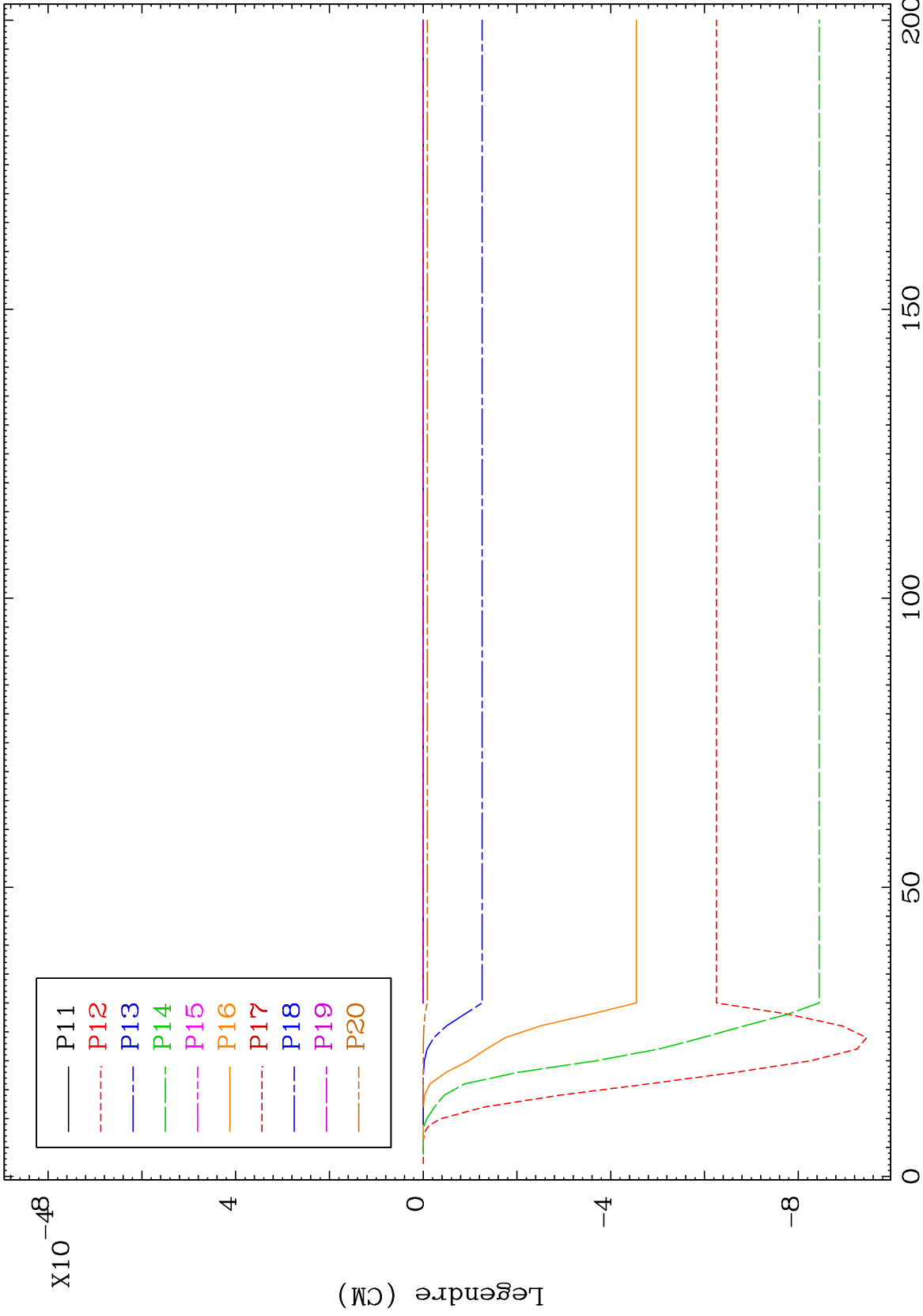


56-Ba-131

MAT 5628

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

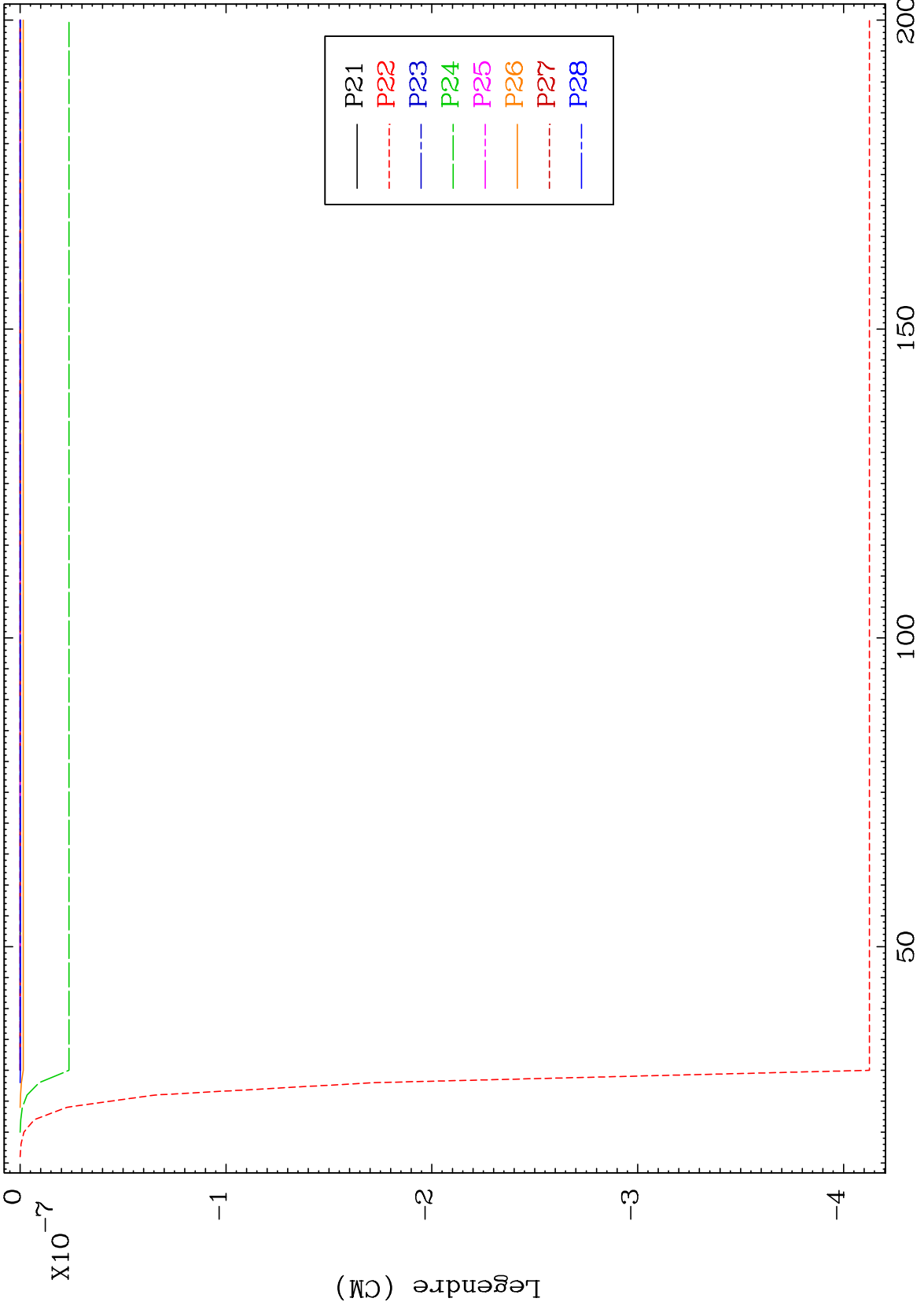
56-Ba-131



21

56-Ba-131

MAT 5628 MT= 51 (n,n') Level Legendre Coefficients 56-Ba-131

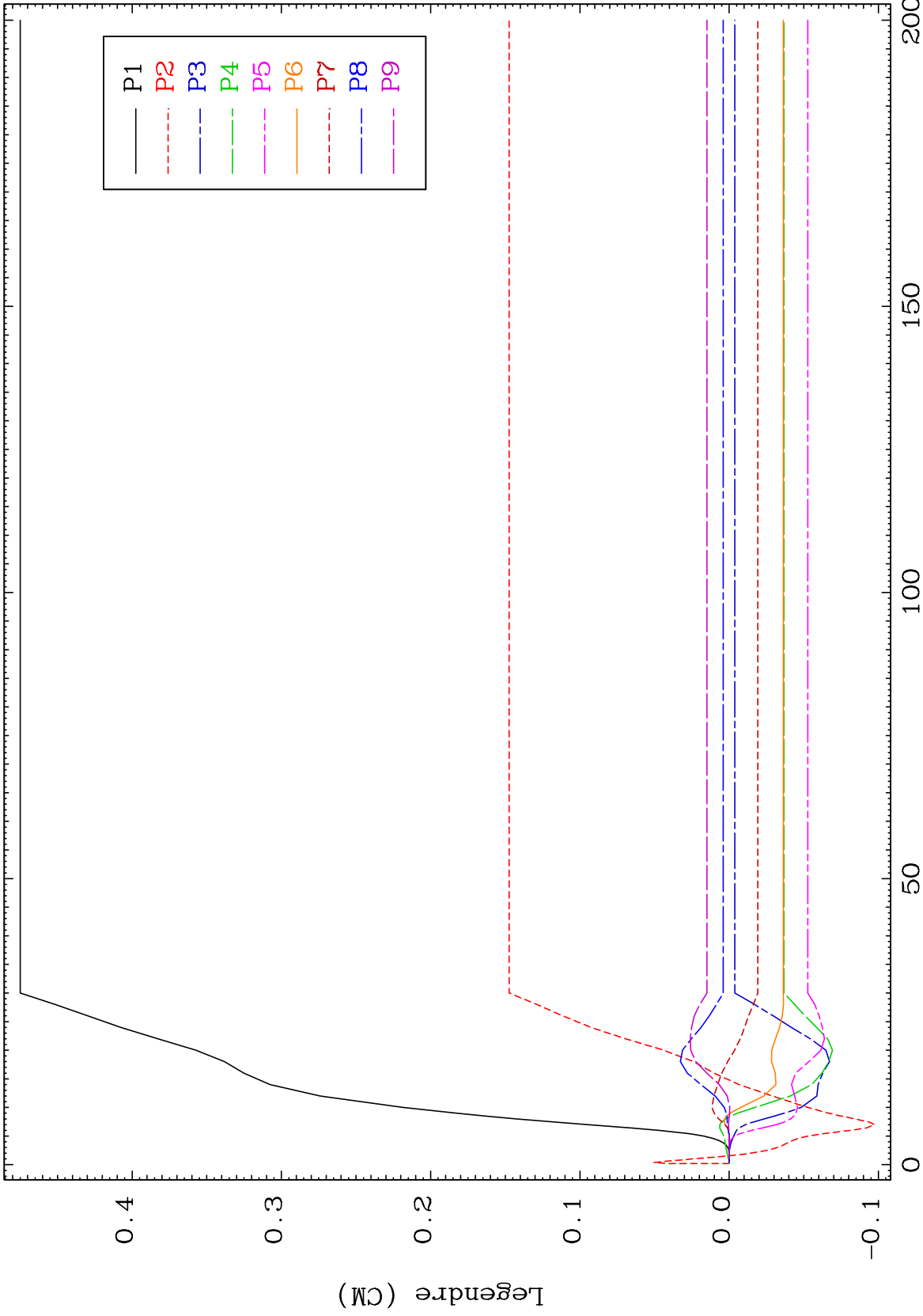


22 Incident Energy (MeV) 56-Ba-131

MAT 5628

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

56-Ba-131



23

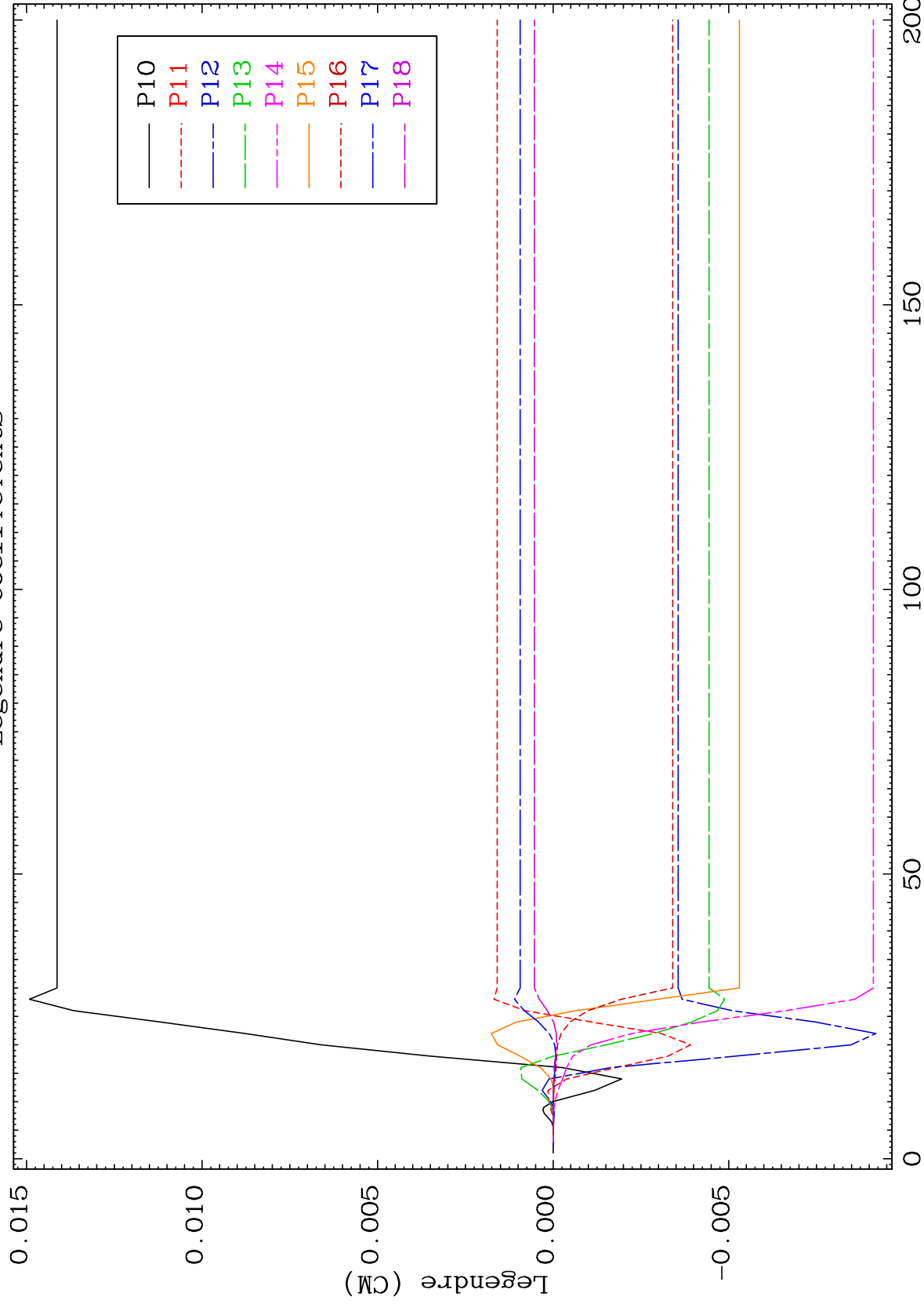
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

56-Ba-131



24

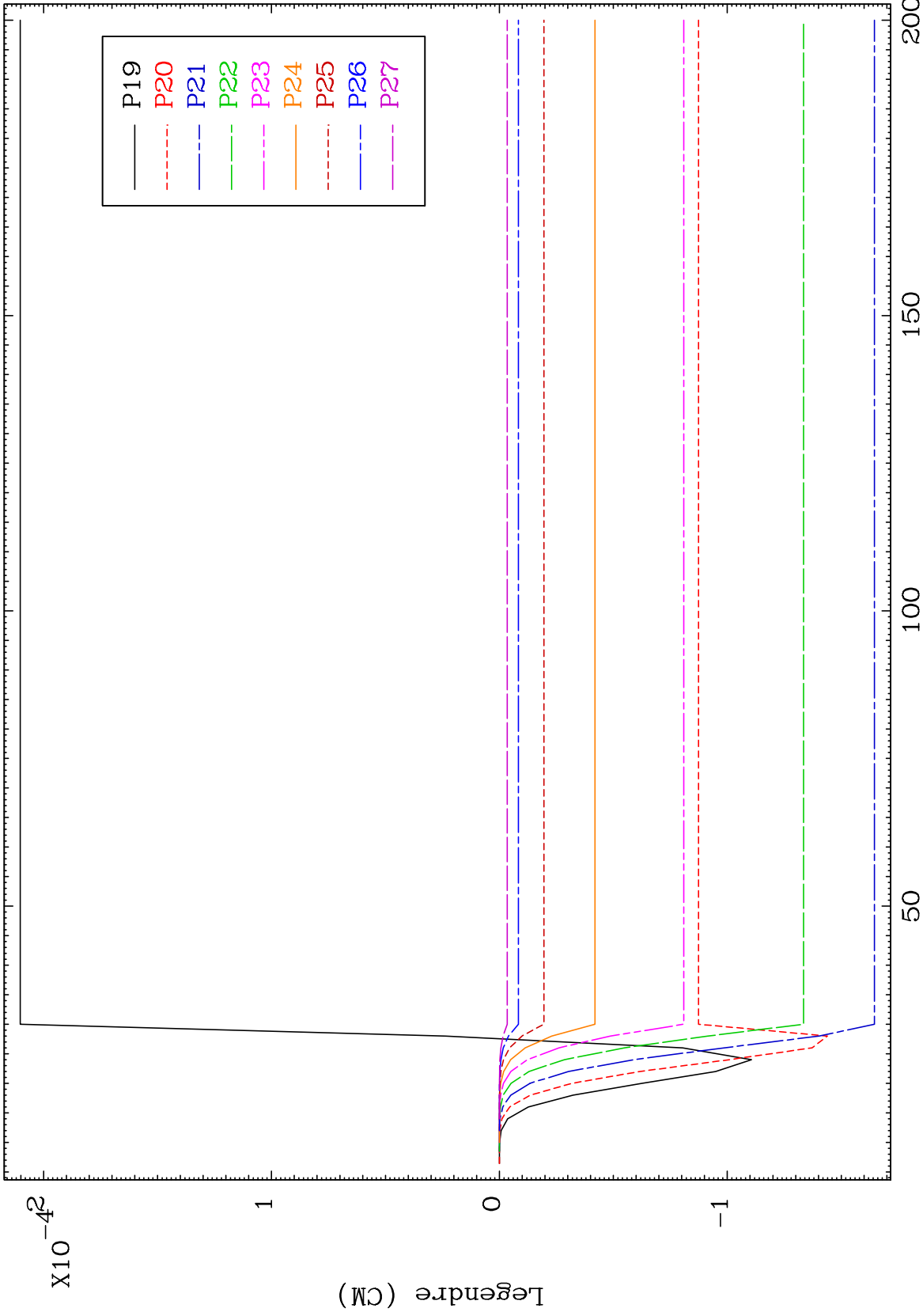
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

56-Ba-131



25

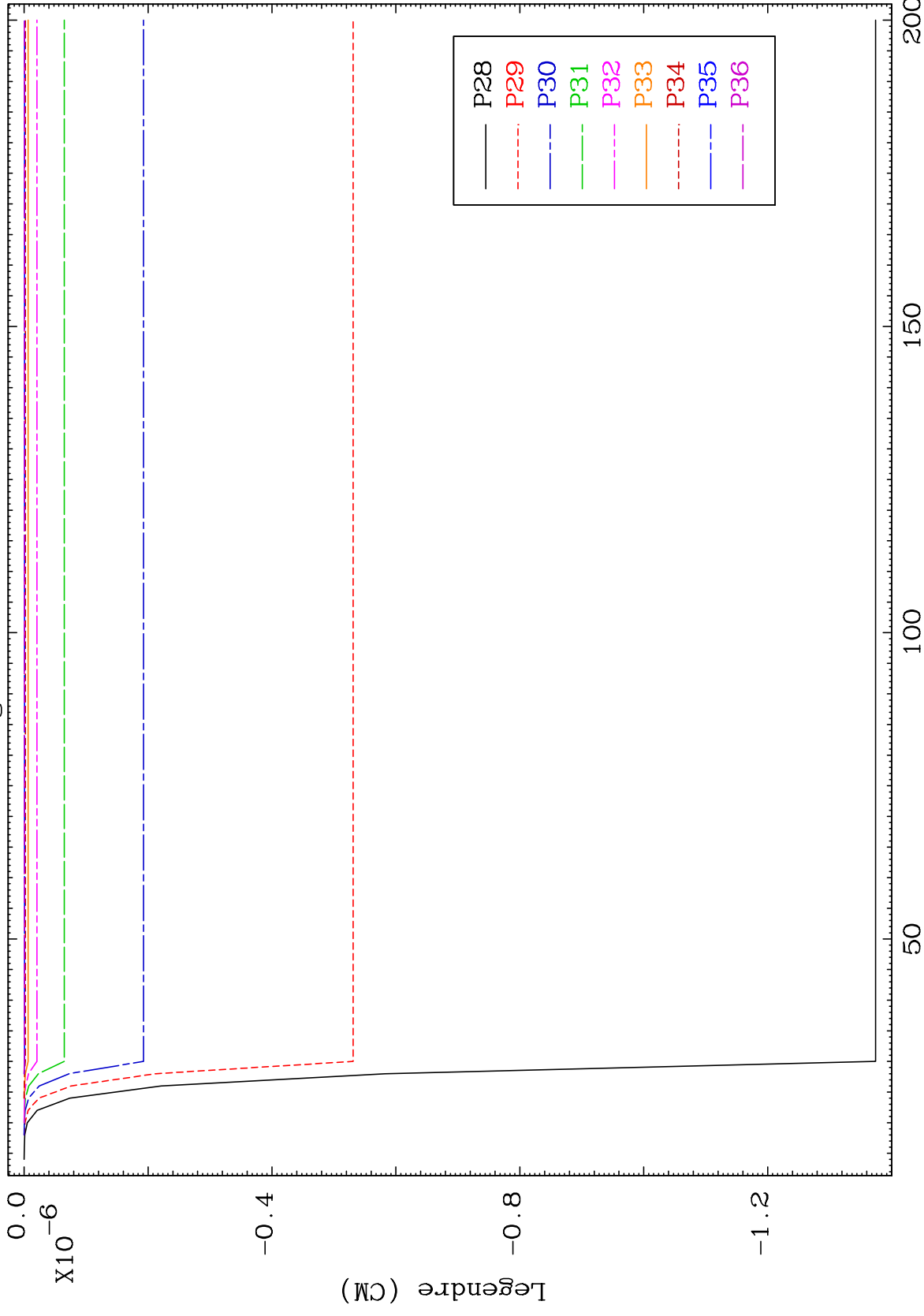
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

56-Ba-131



56-Ba-131

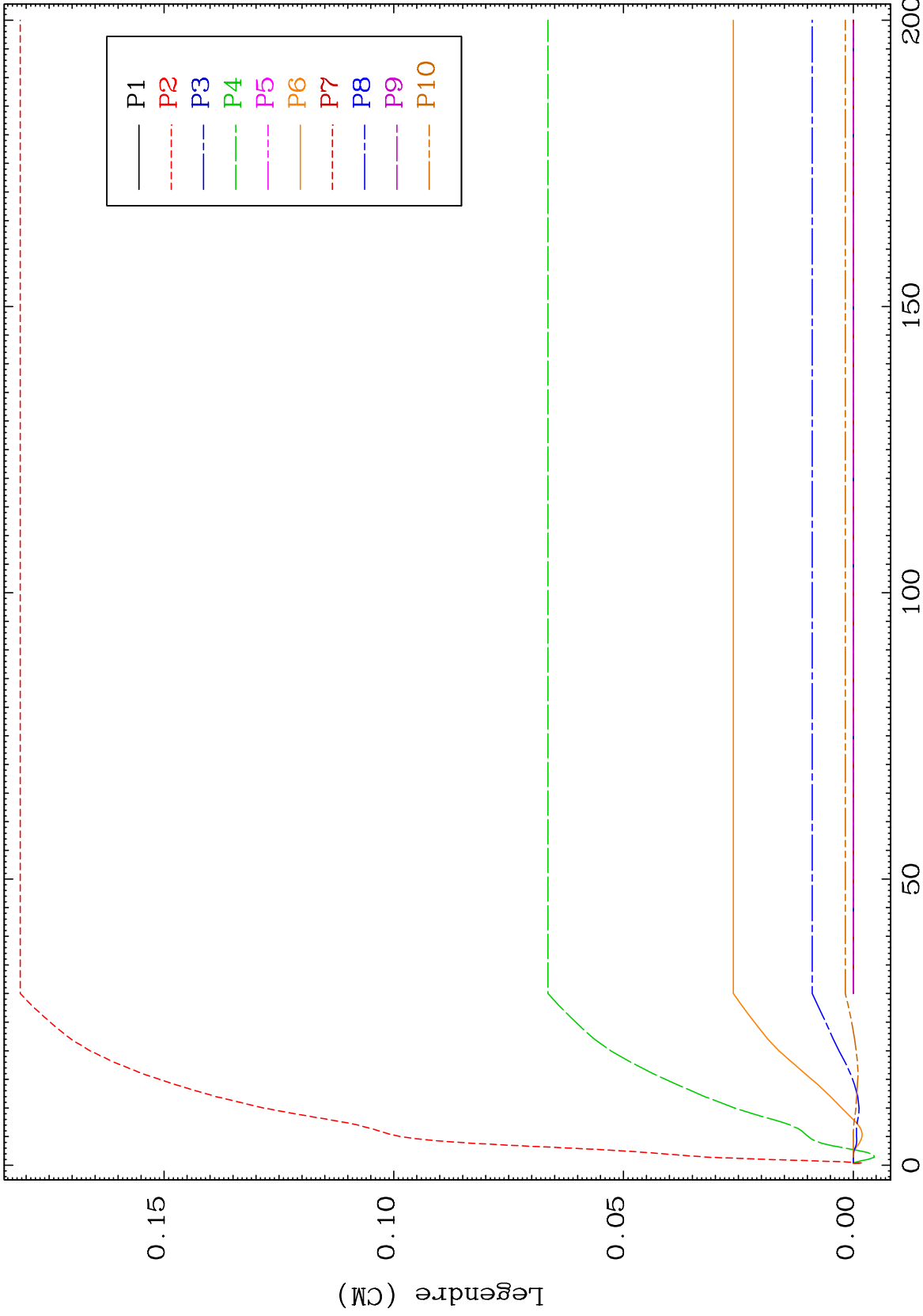
Incident Energy (MeV)

26

MAT 5628

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

56-Ba-131



27

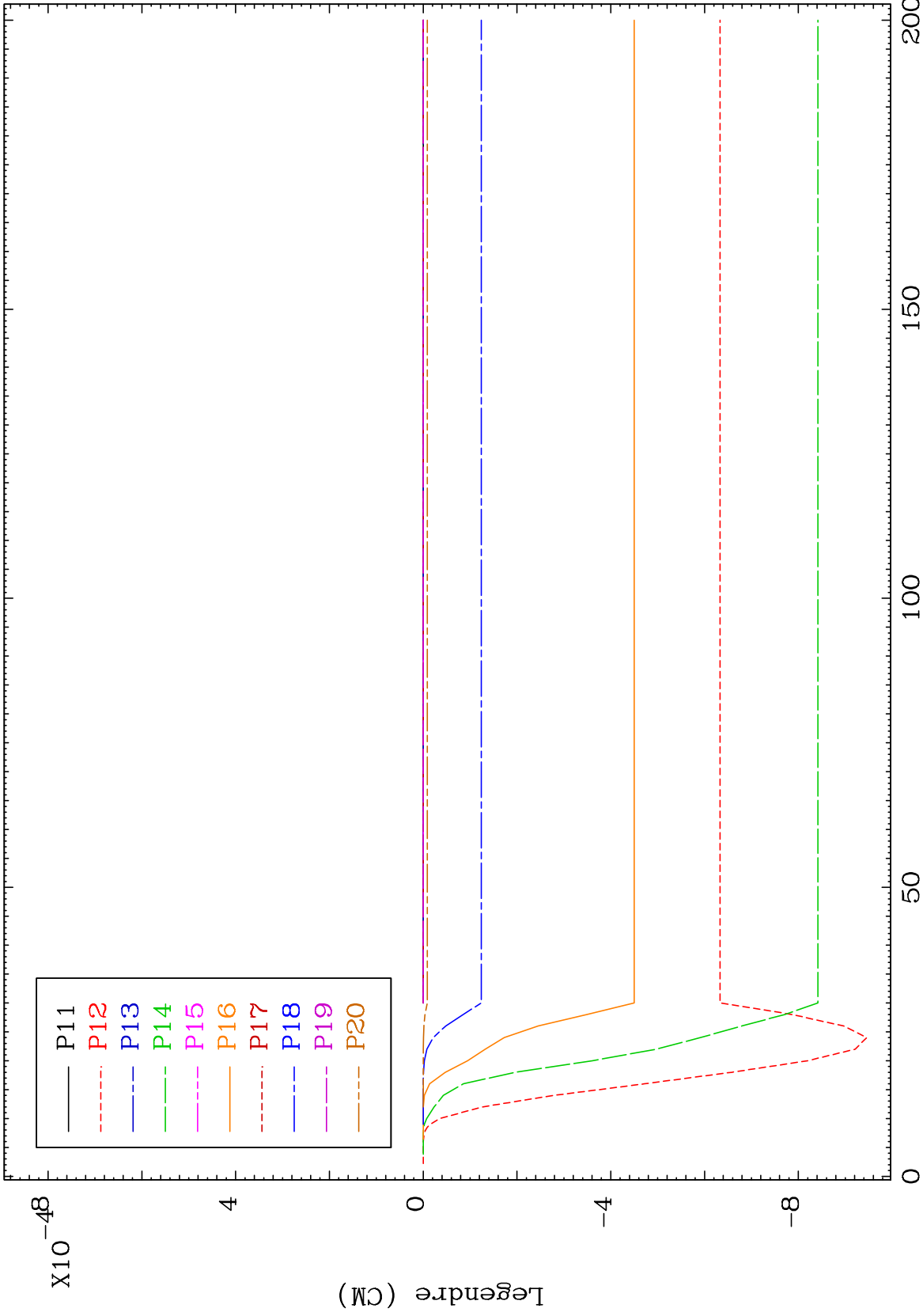
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

56-Ba-131

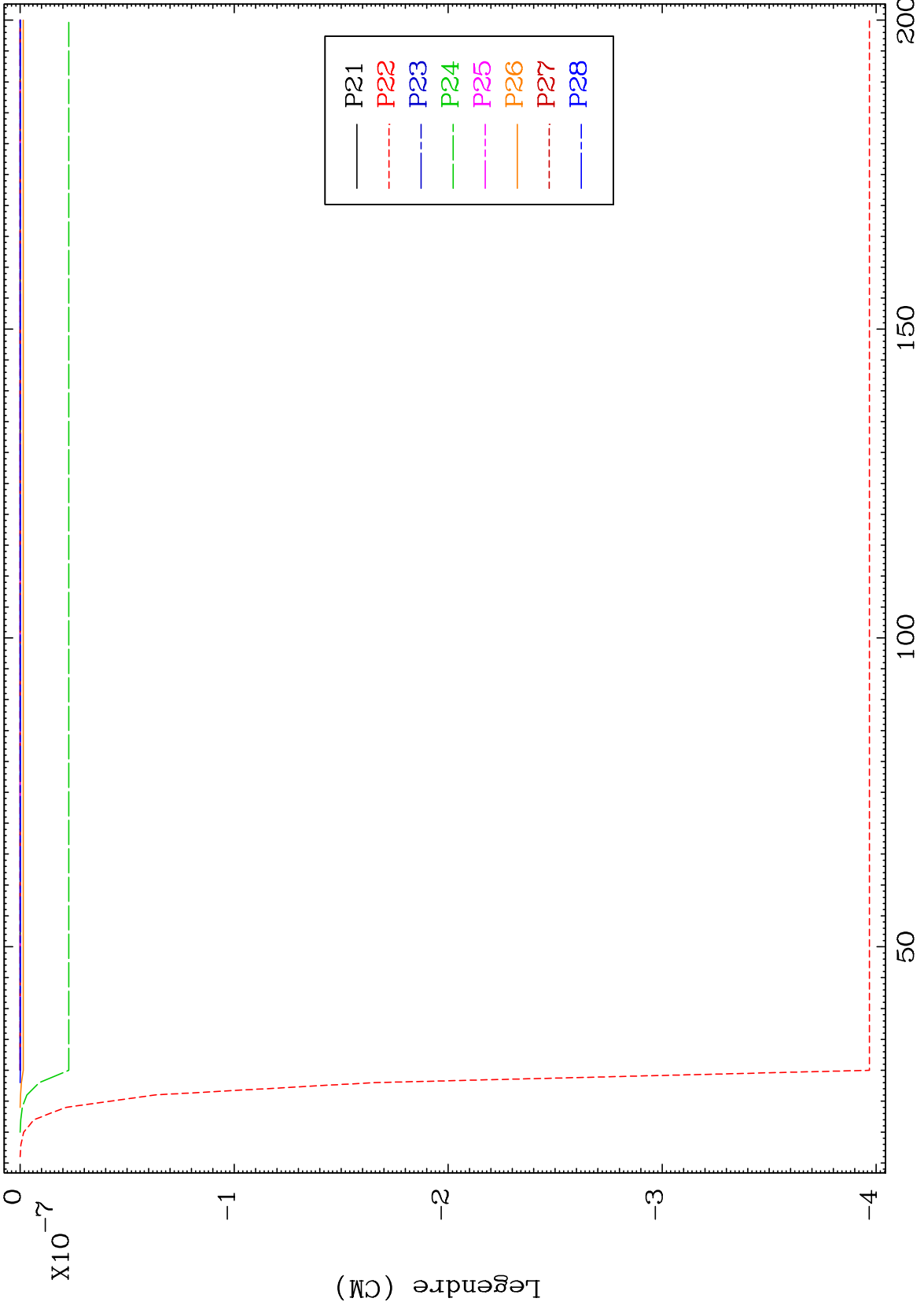


28

Incident Energy (MeV)

56-Ba-131

MAT 5628 MT= 53 (n,n') Level Legendre Coefficients 56-Ba-131

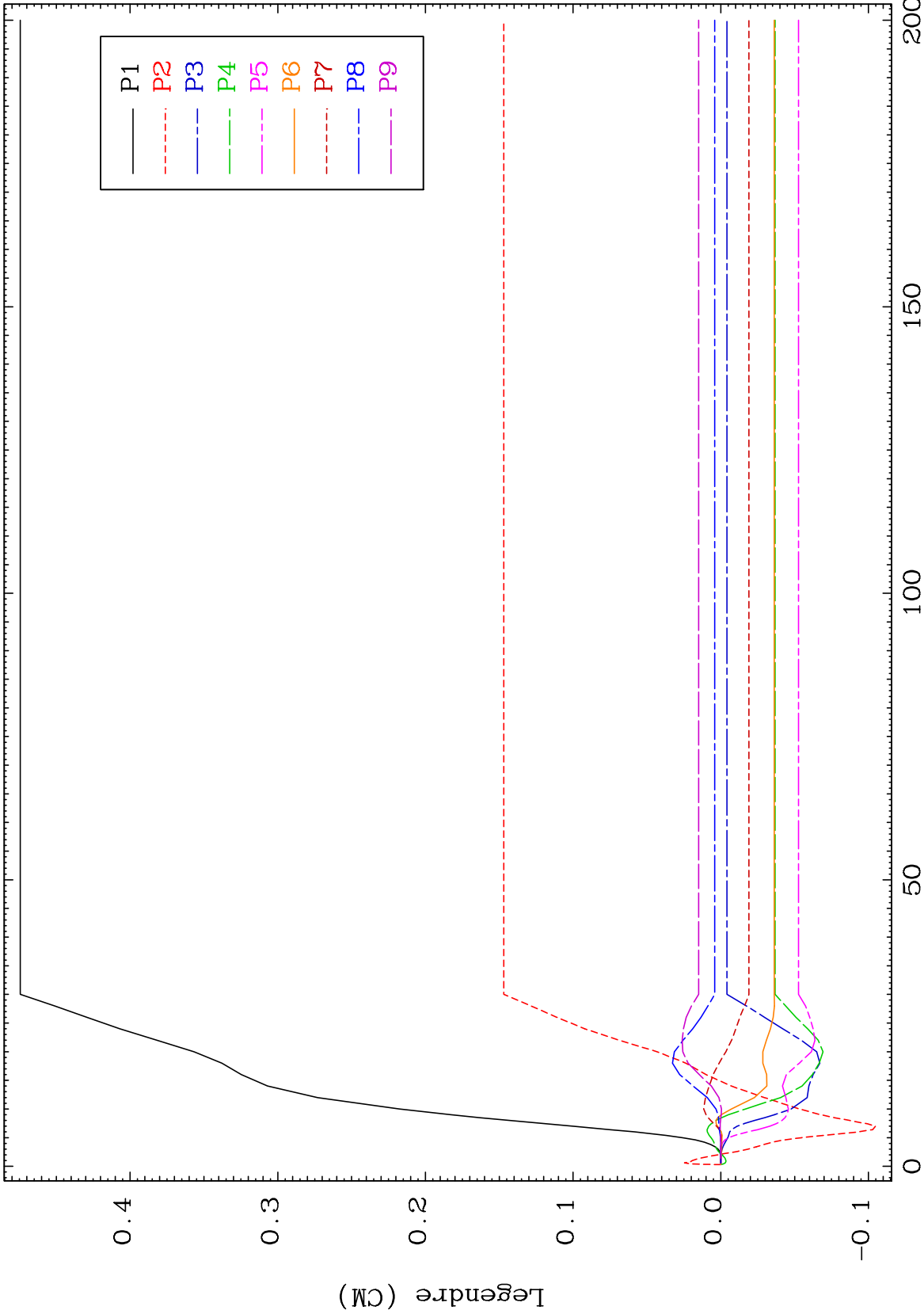


29 Incident Energy (MeV) 56-Ba-131

MAT 5628

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

56-Ba-131

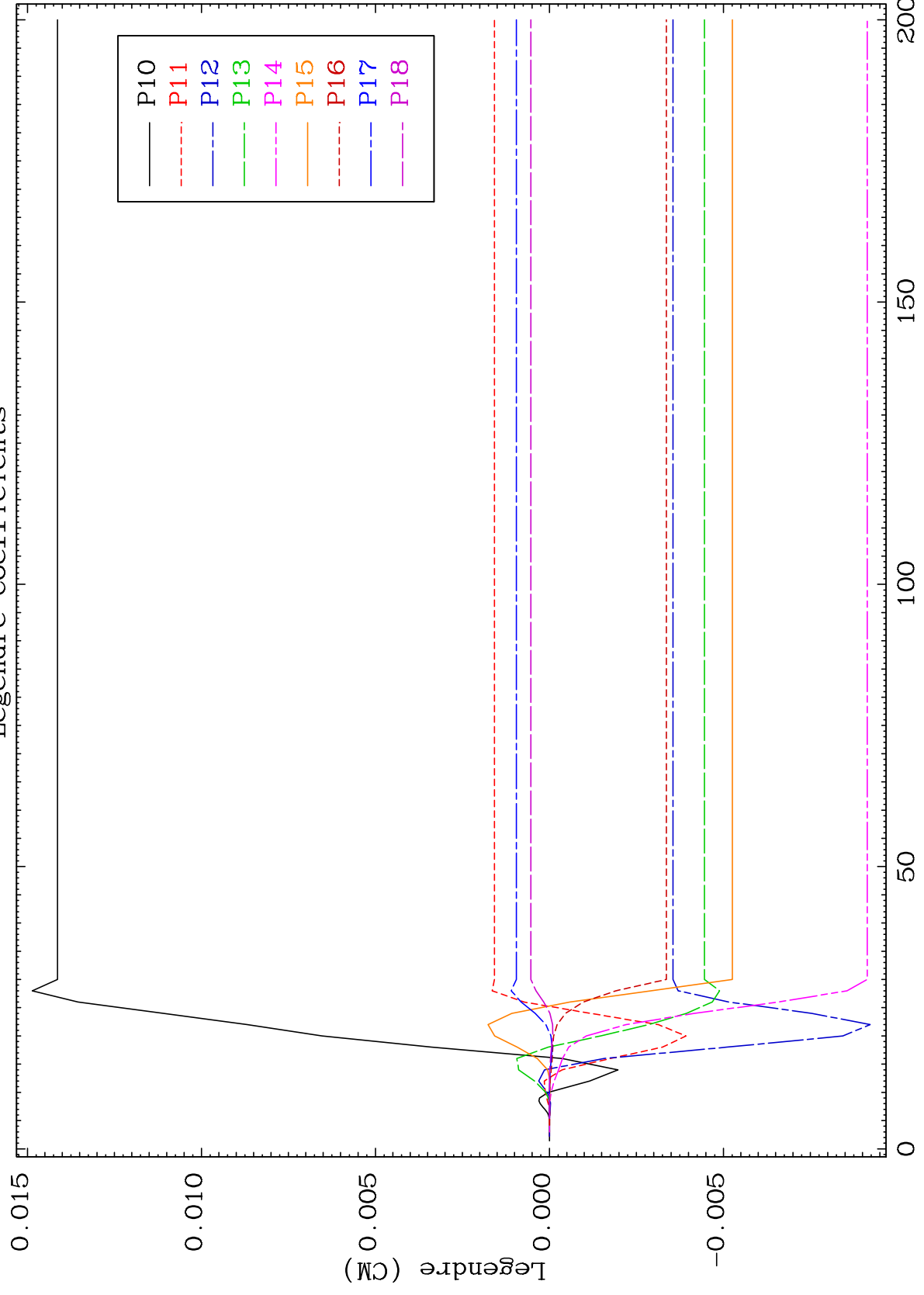


56-Ba-131

Incident Energy (MeV)

Legendre (CM)

MAT 5628 MT= 54 (n,n') Level Legendre Coefficients 56-Ba-131

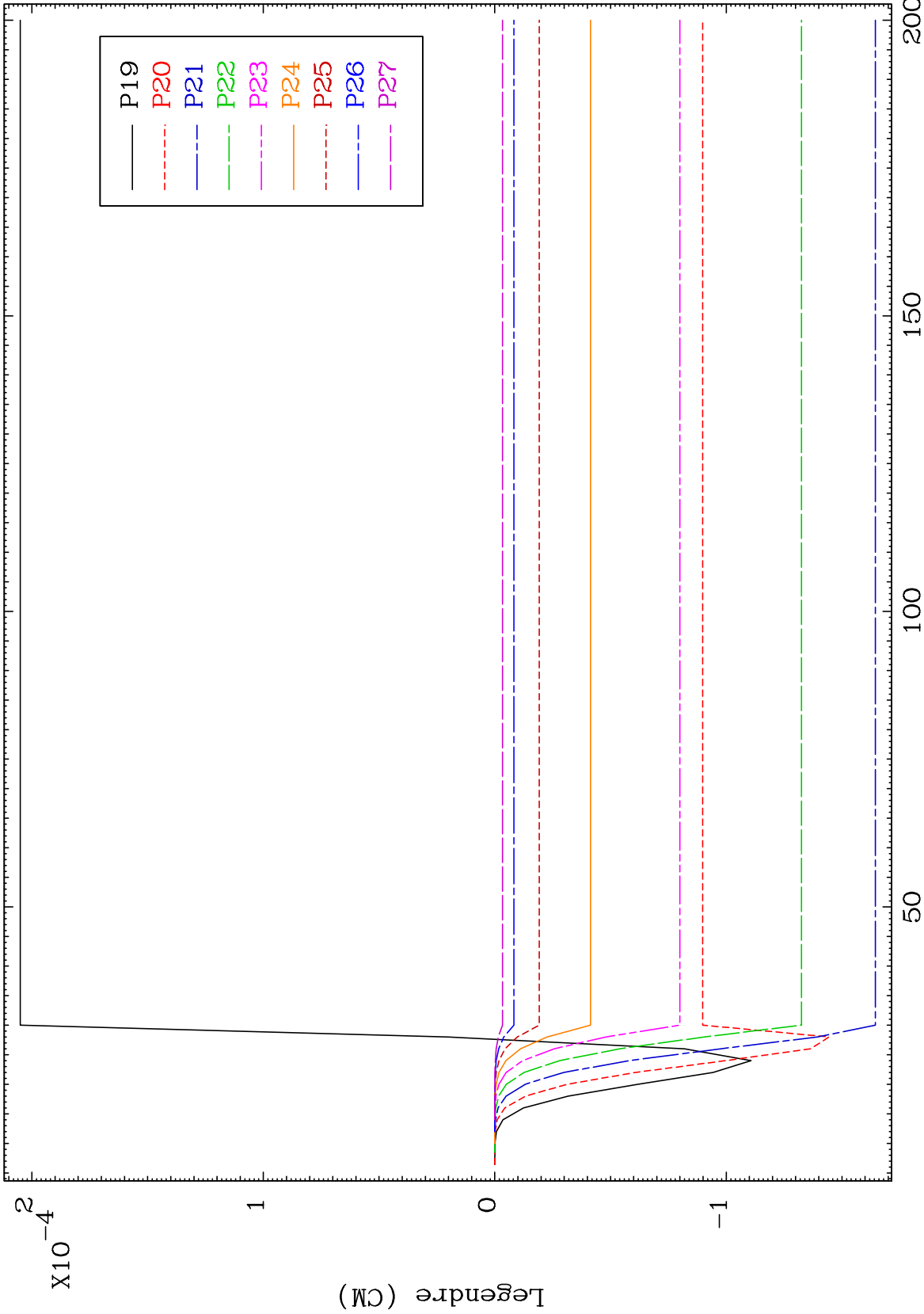


31 56-Ba-131

MAT 5628

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

56-Ba-131



32

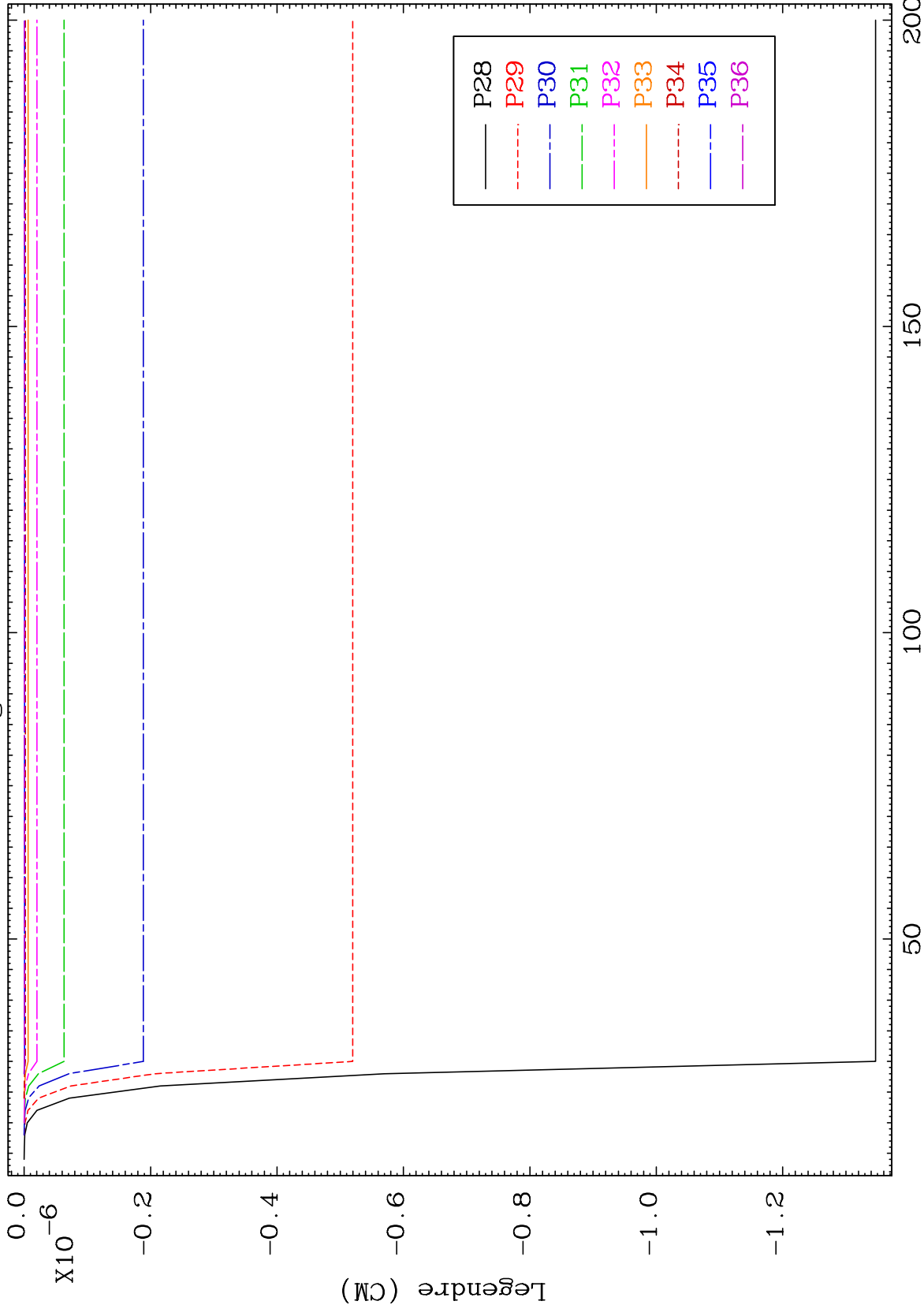
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

56-Ba-131



56-Ba-131

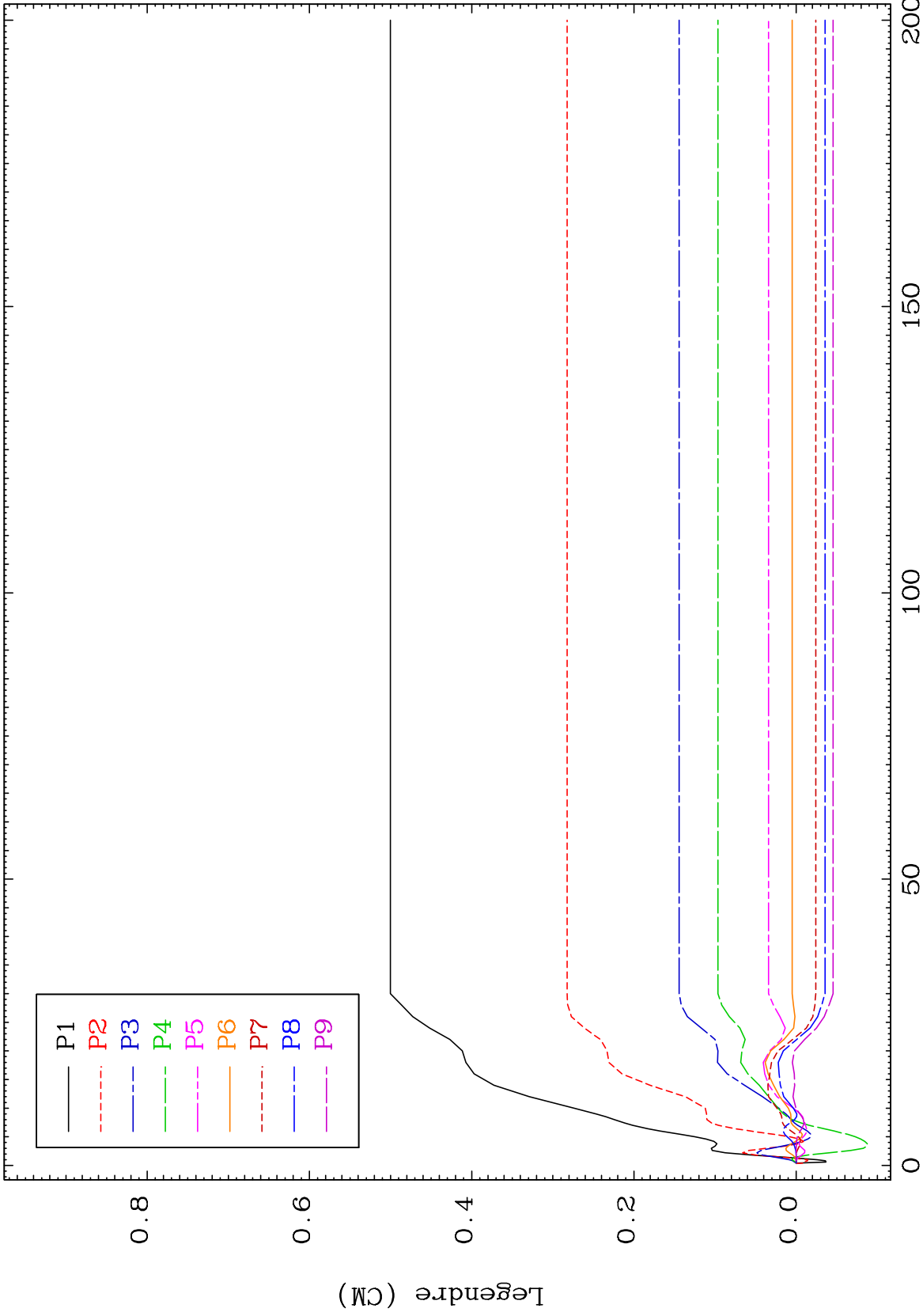
Incident Energy (MeV)

33

MAT 5628

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

56-Ba-131



34

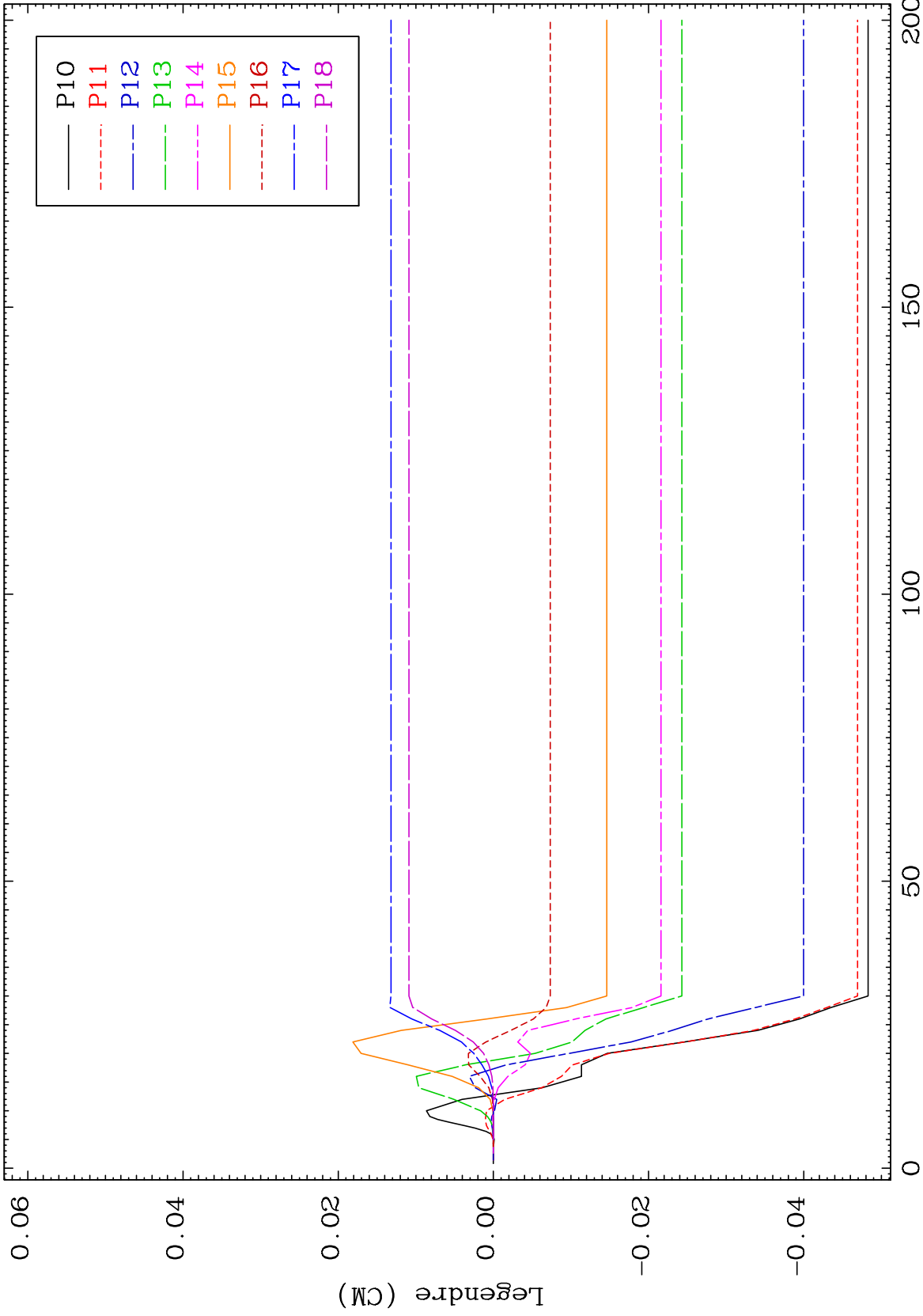
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

56-Ba-131



35

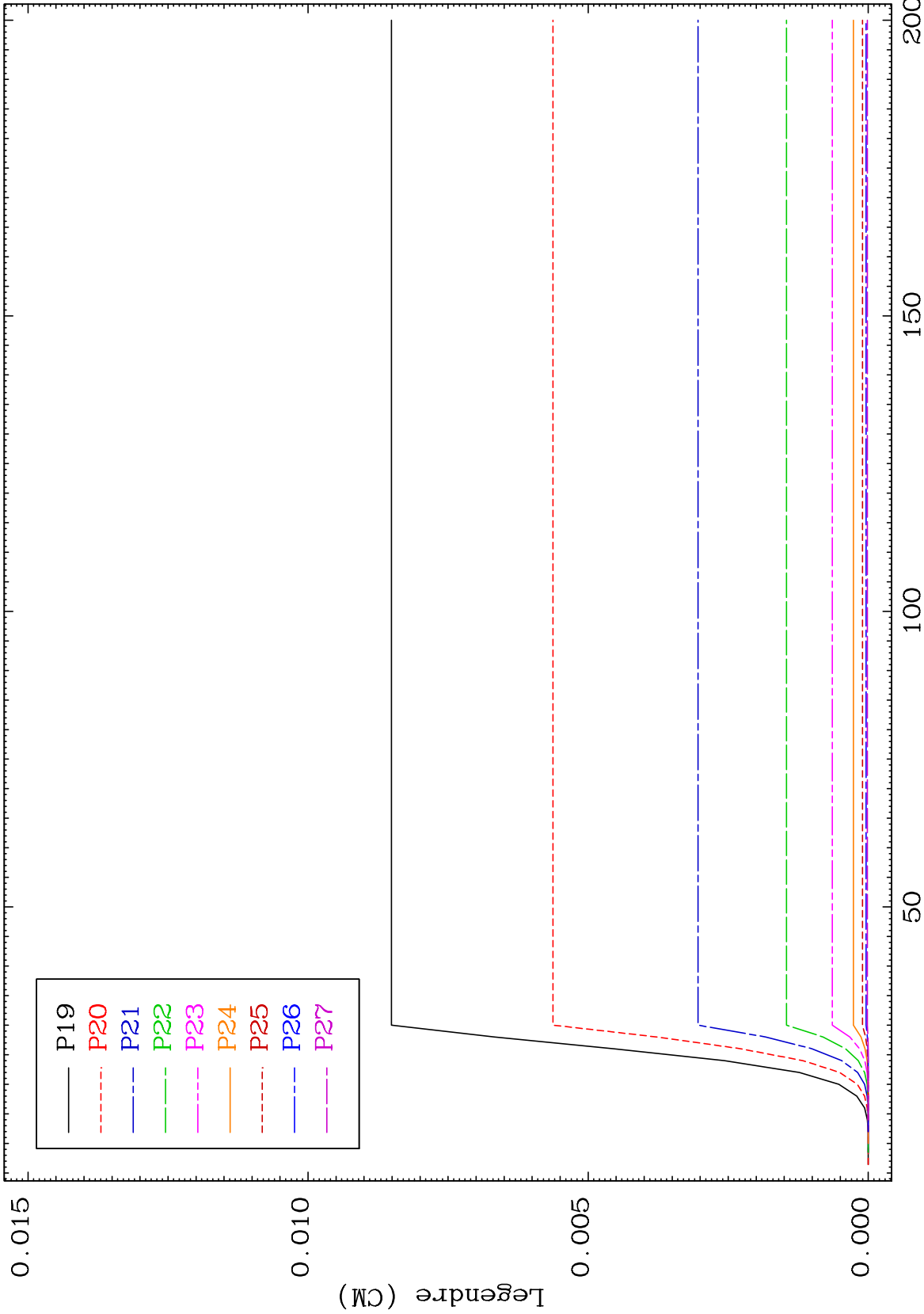
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

56-Ba-131



36

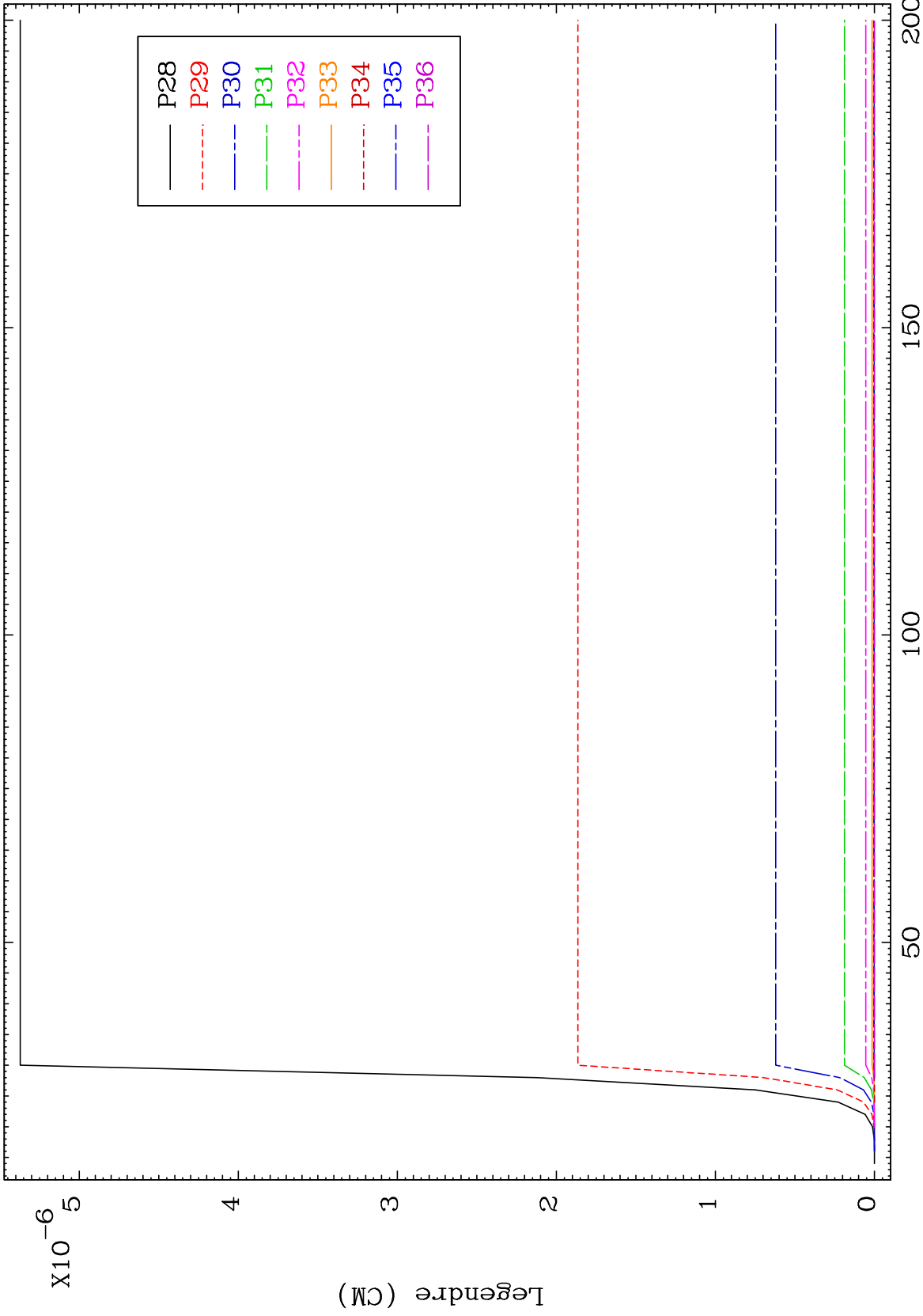
Incident Energy (MeV)

56-Ba-131

MAT 5628

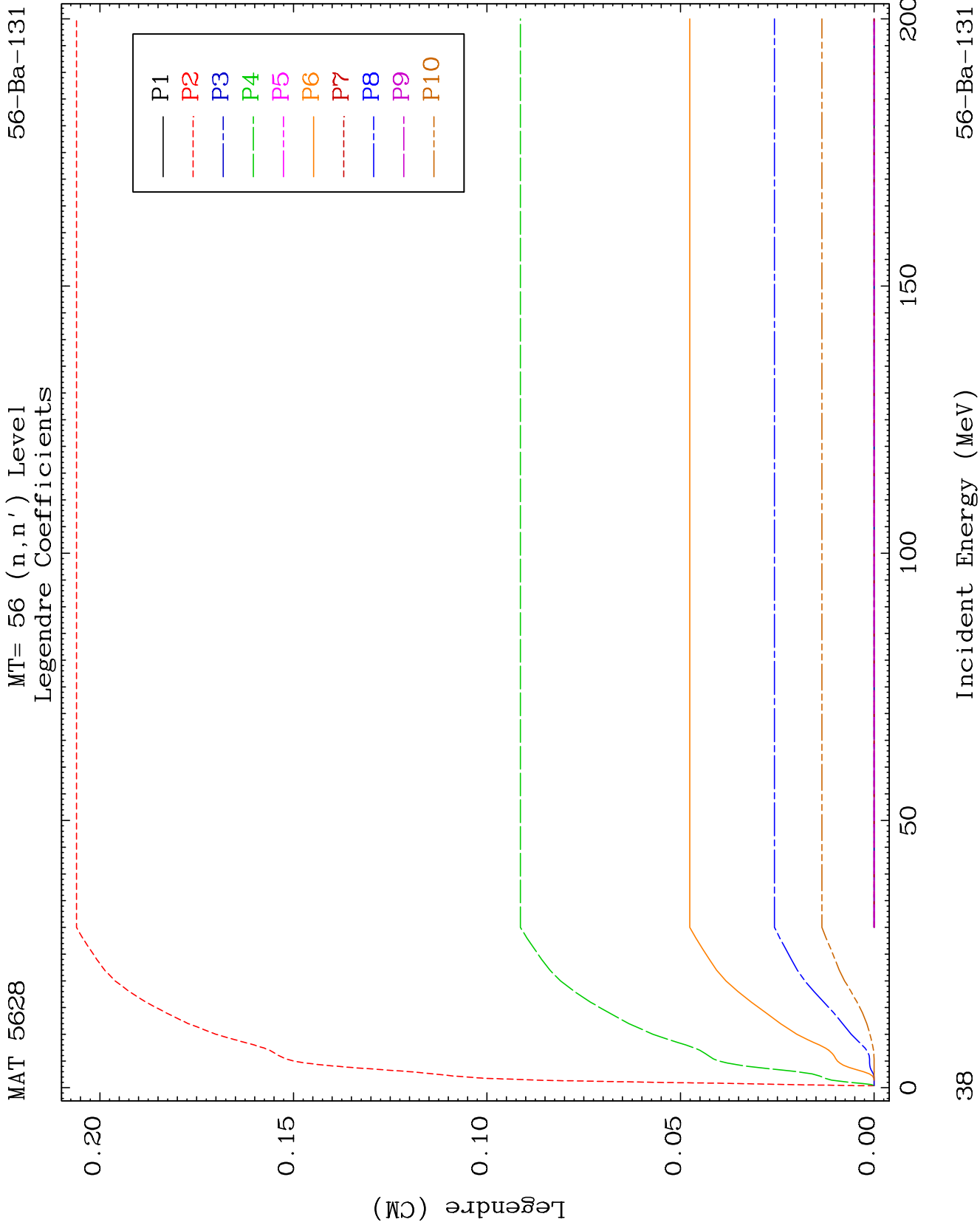
MT= 55 (n,n') Level
Legendre Coefficients

56-Ba-131



37

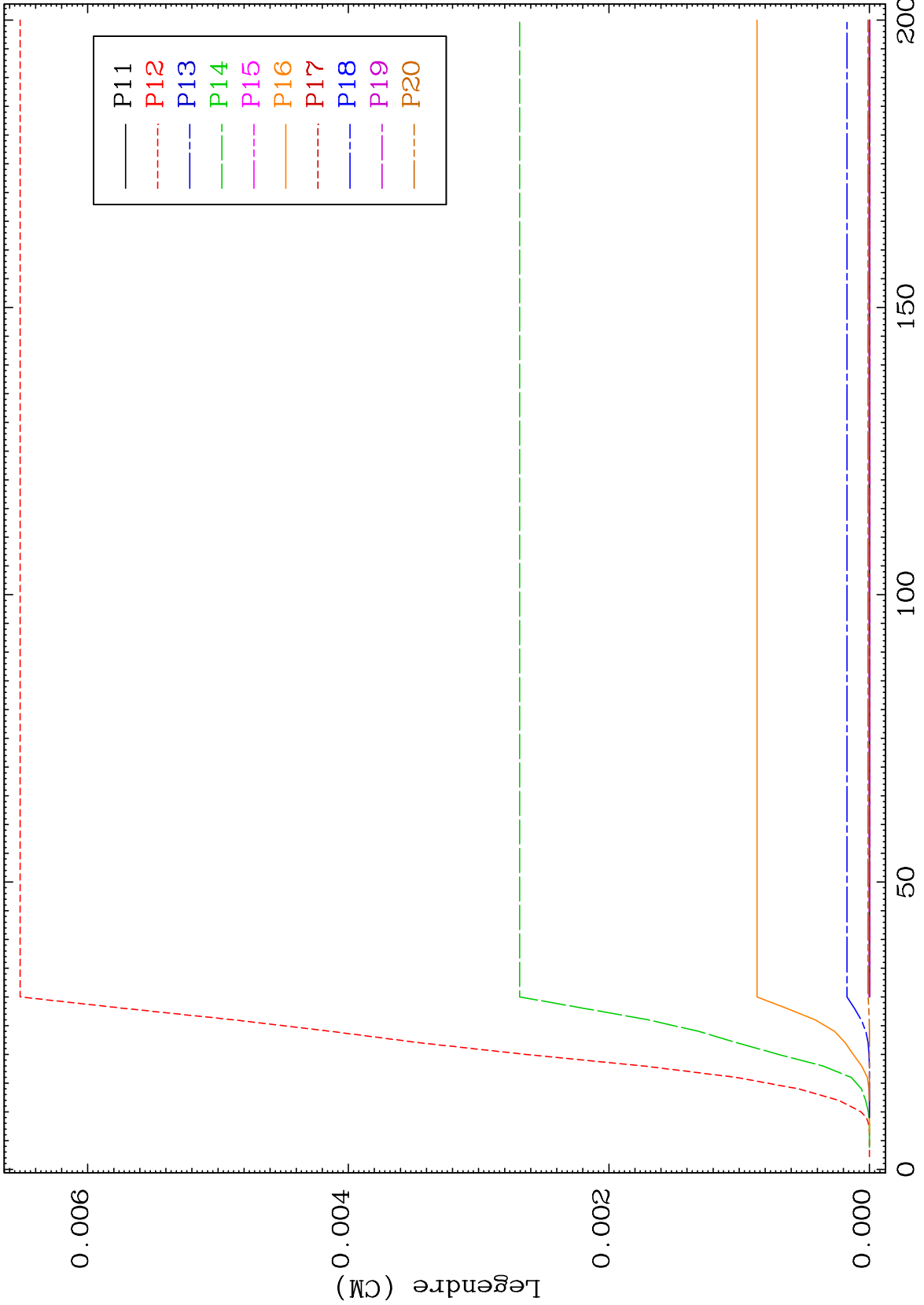
56-Ba-131



MAT 5628

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

56-Ba-131



39

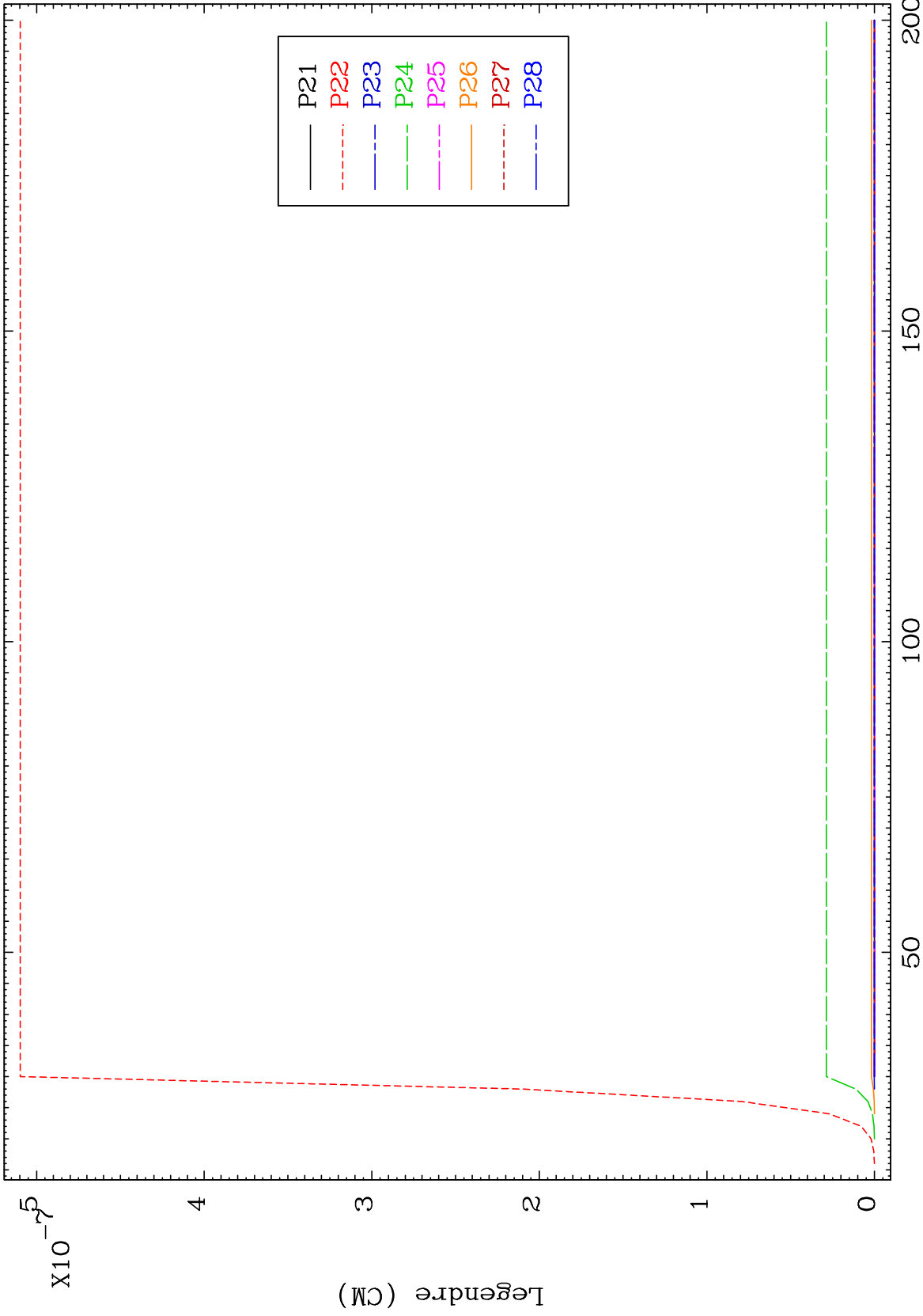
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

56-Ba-131



40

50

100

150

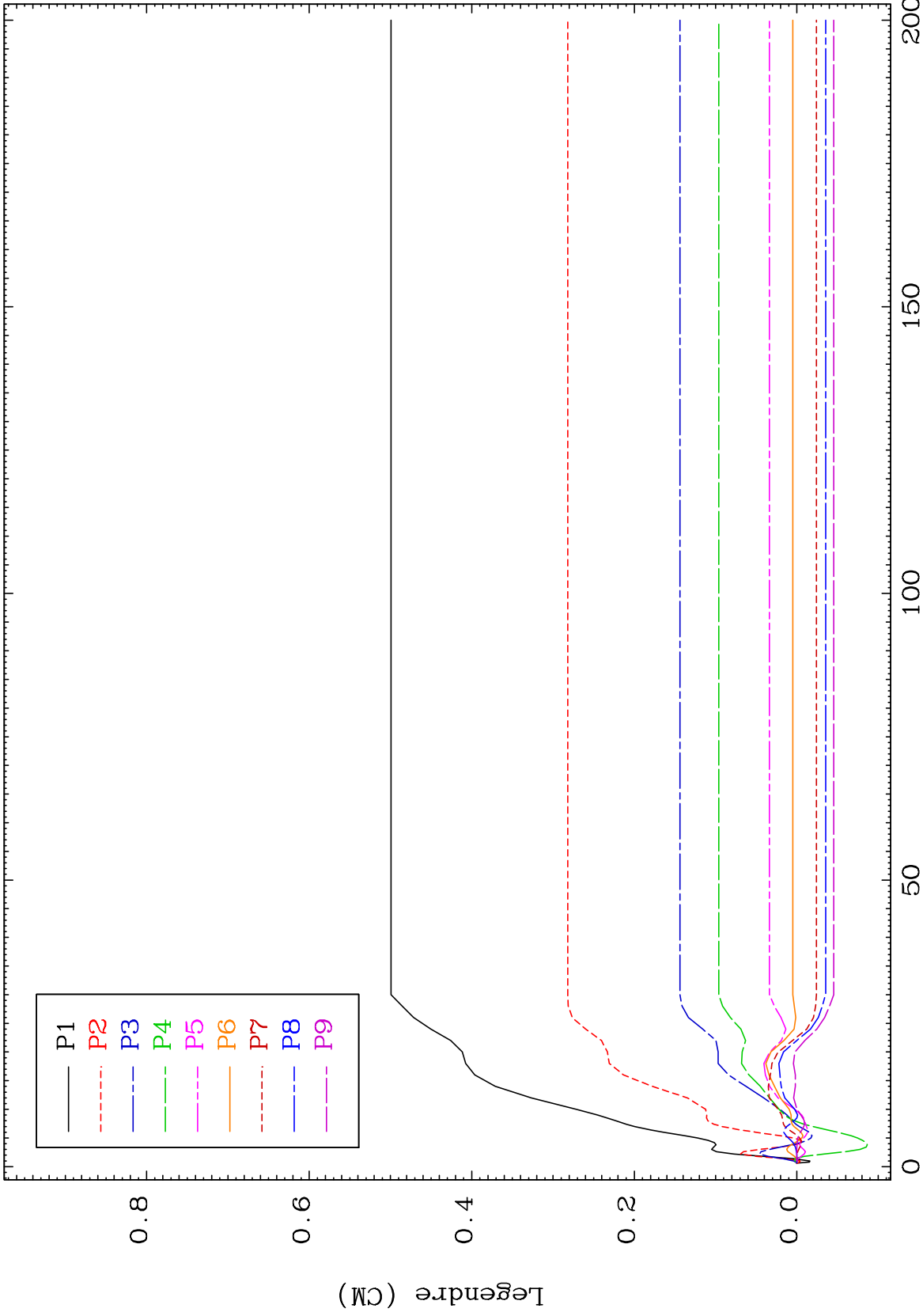
200

56-Ba-131

MAT 5628

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

56-Ba-131



41

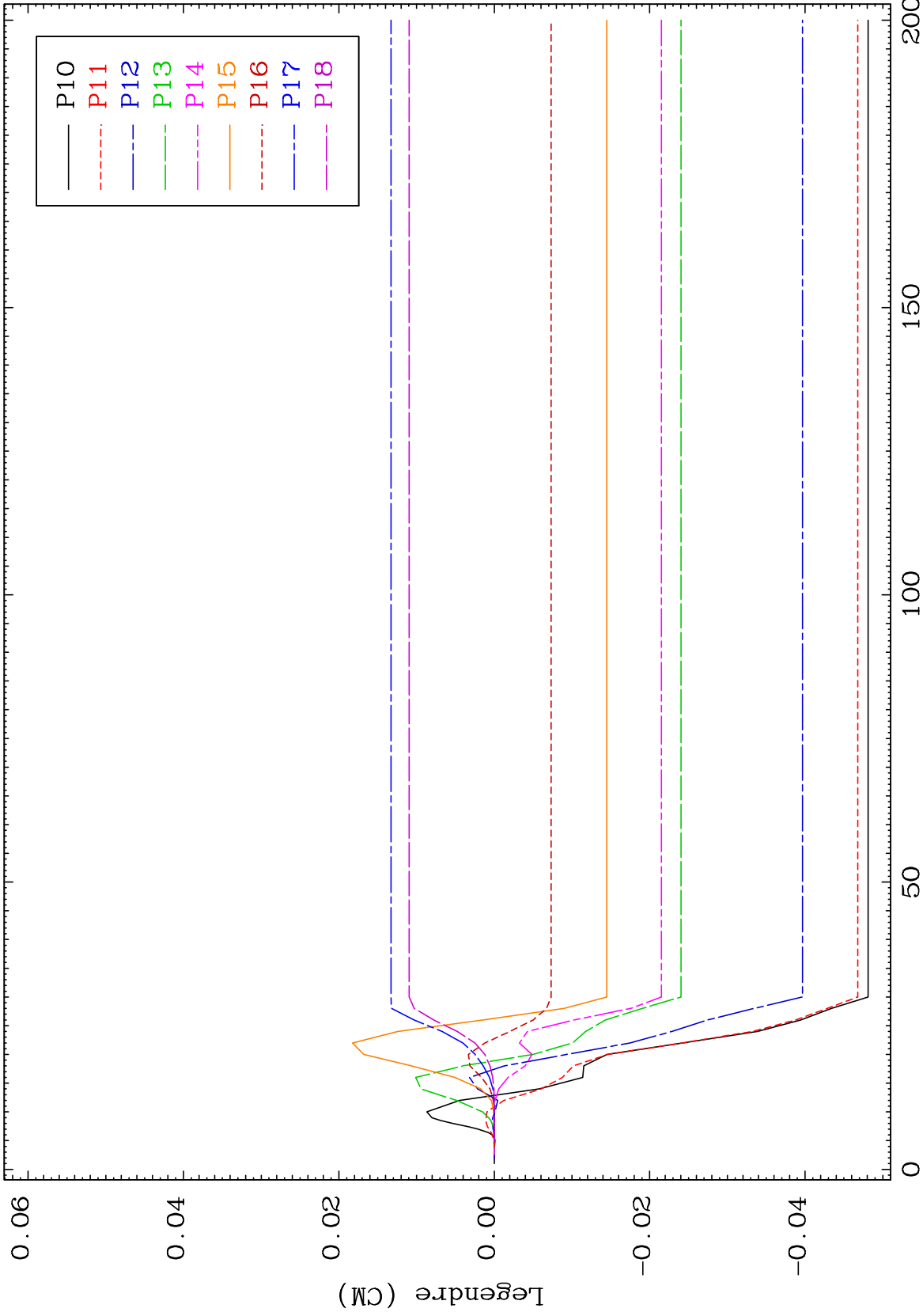
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

56-Ba-131



42

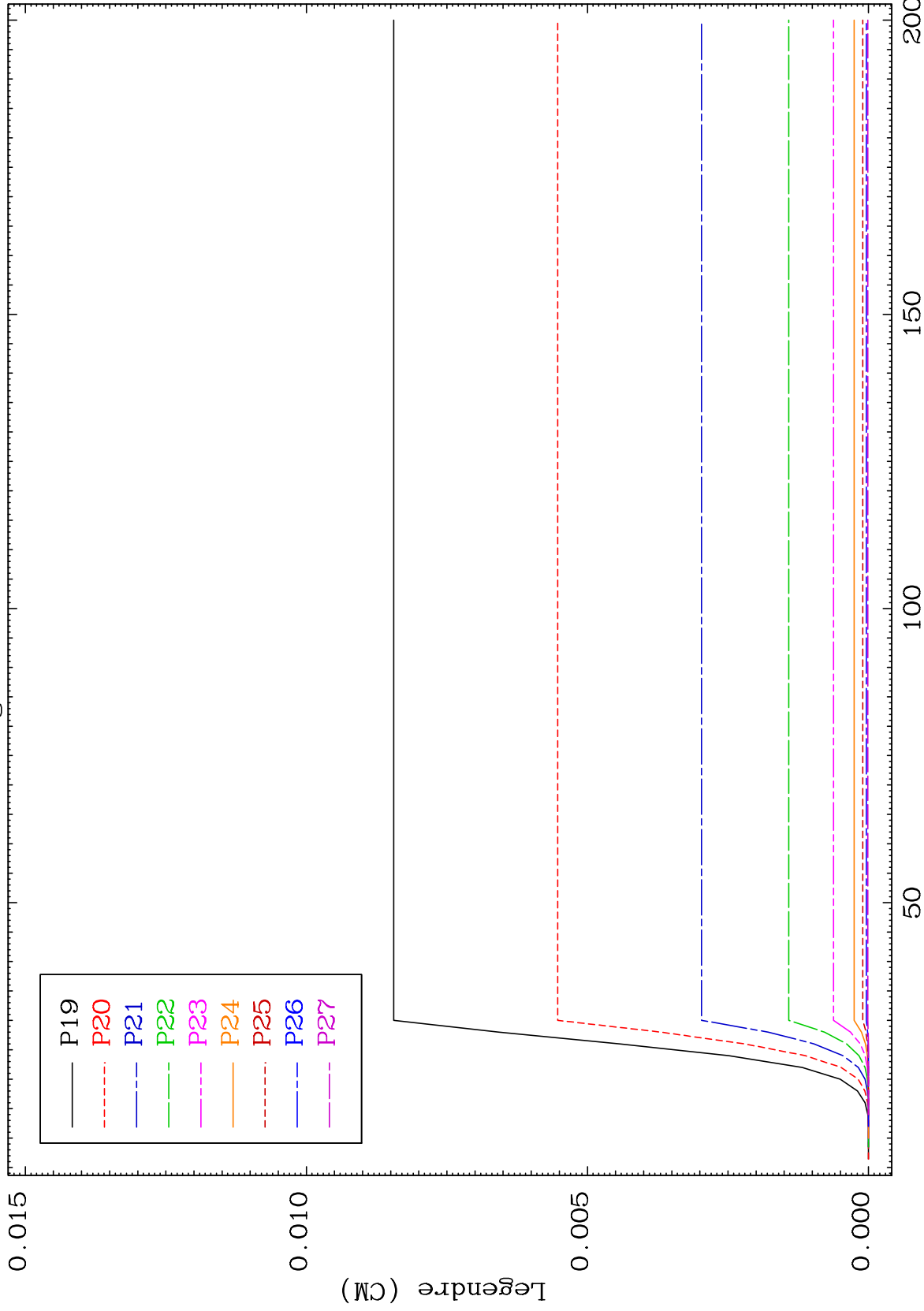
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

56-Ba-131



43

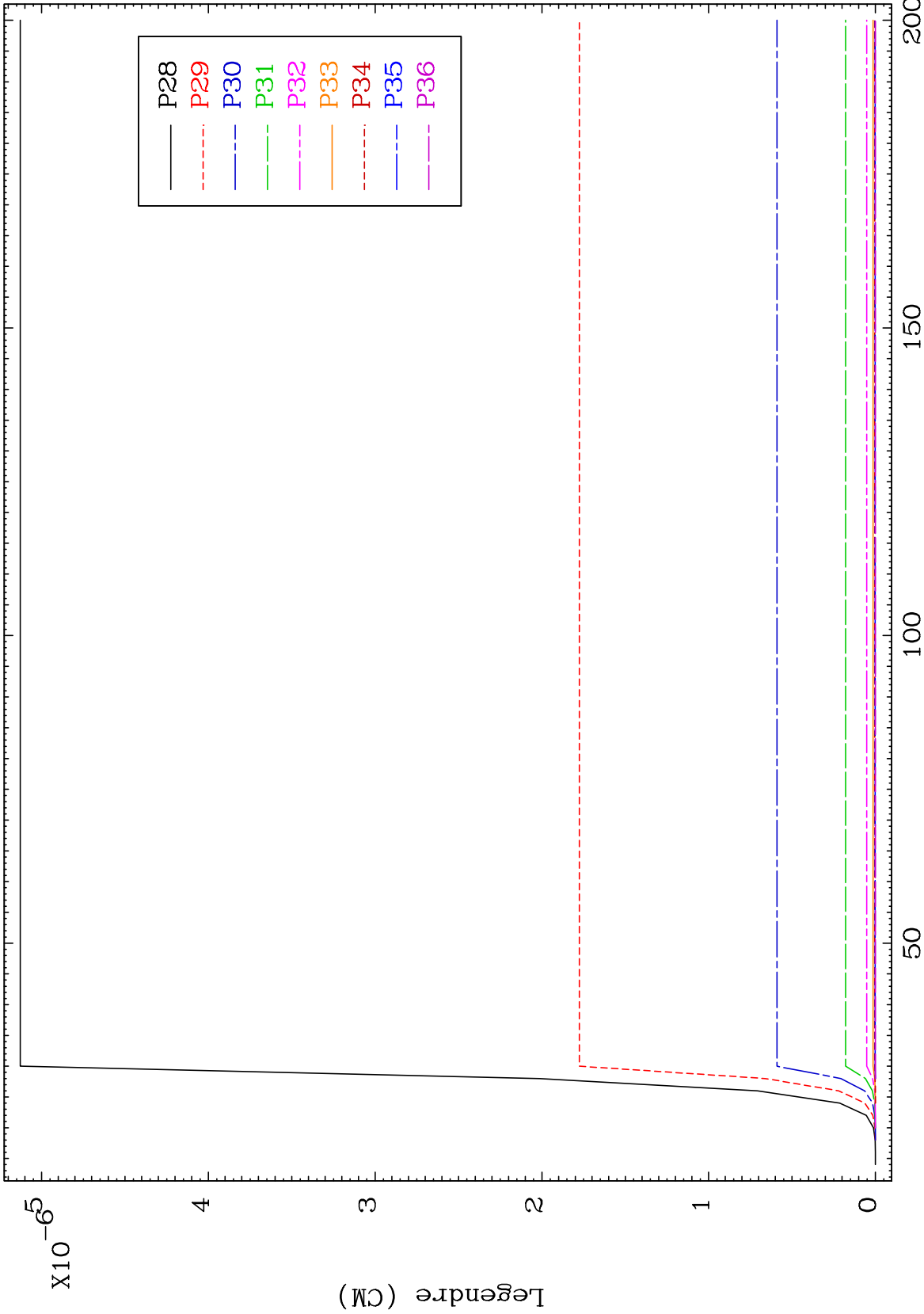
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

56-Ba-131



44

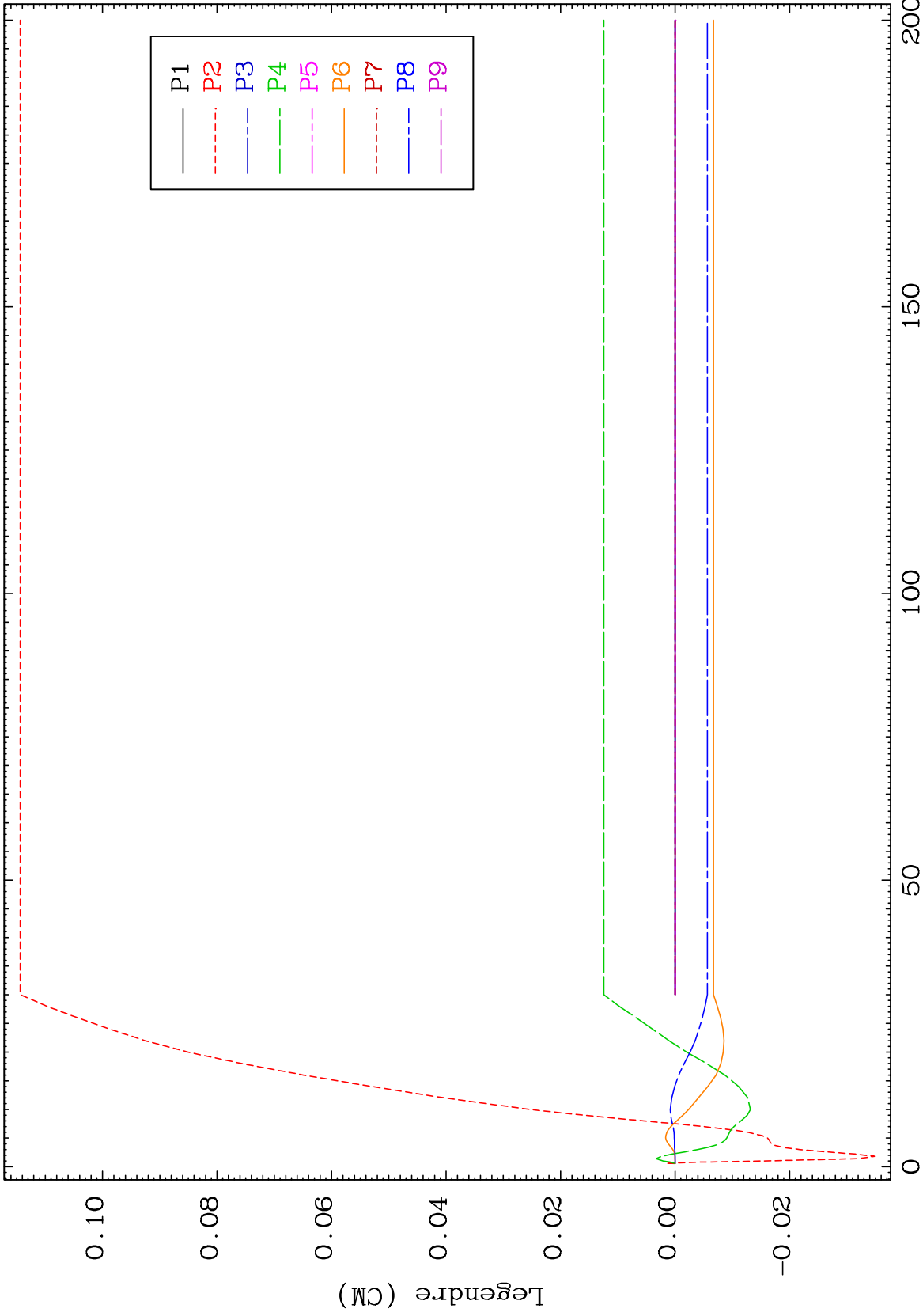
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

56-Ba-131



45

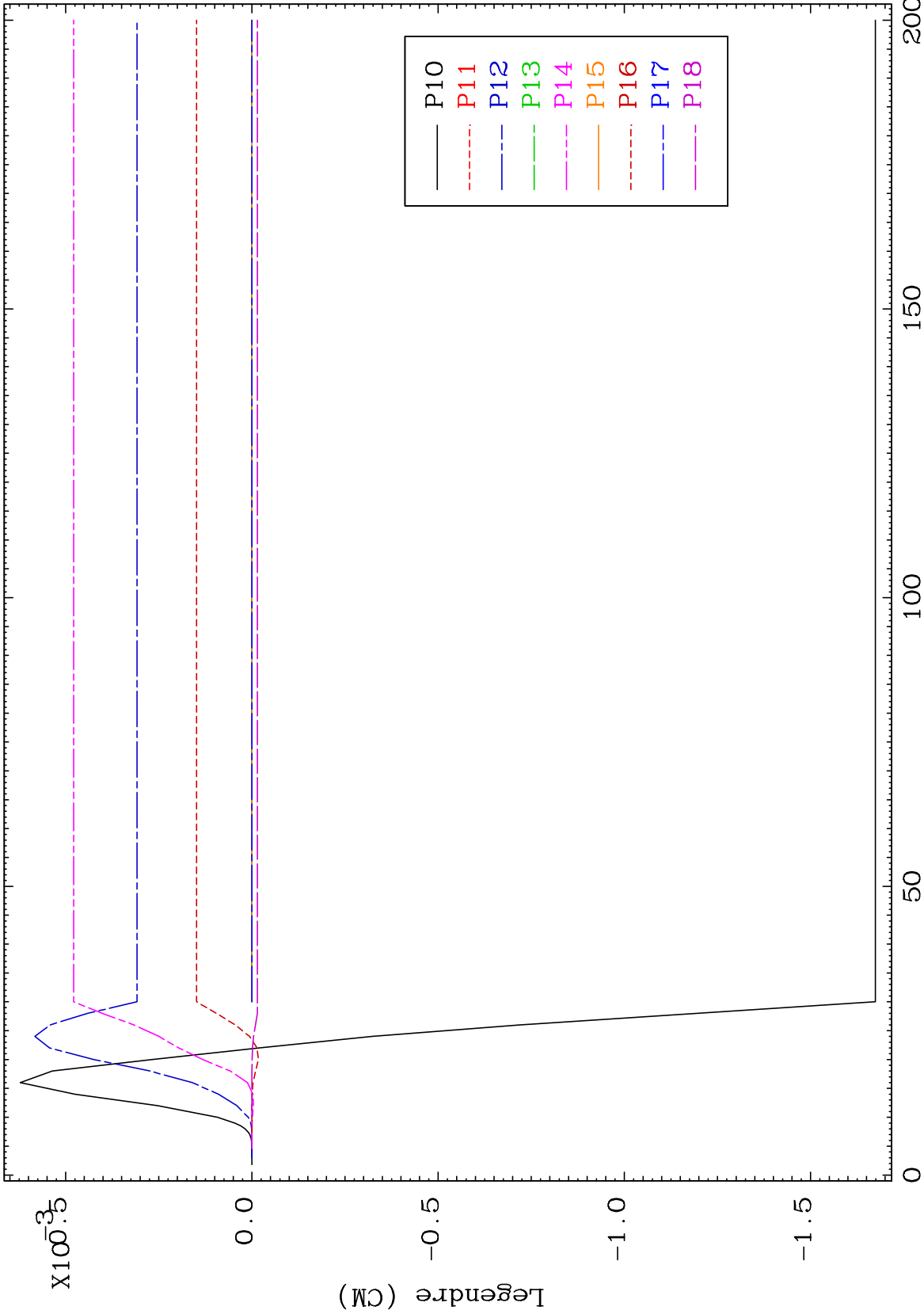
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

56-Ba-131

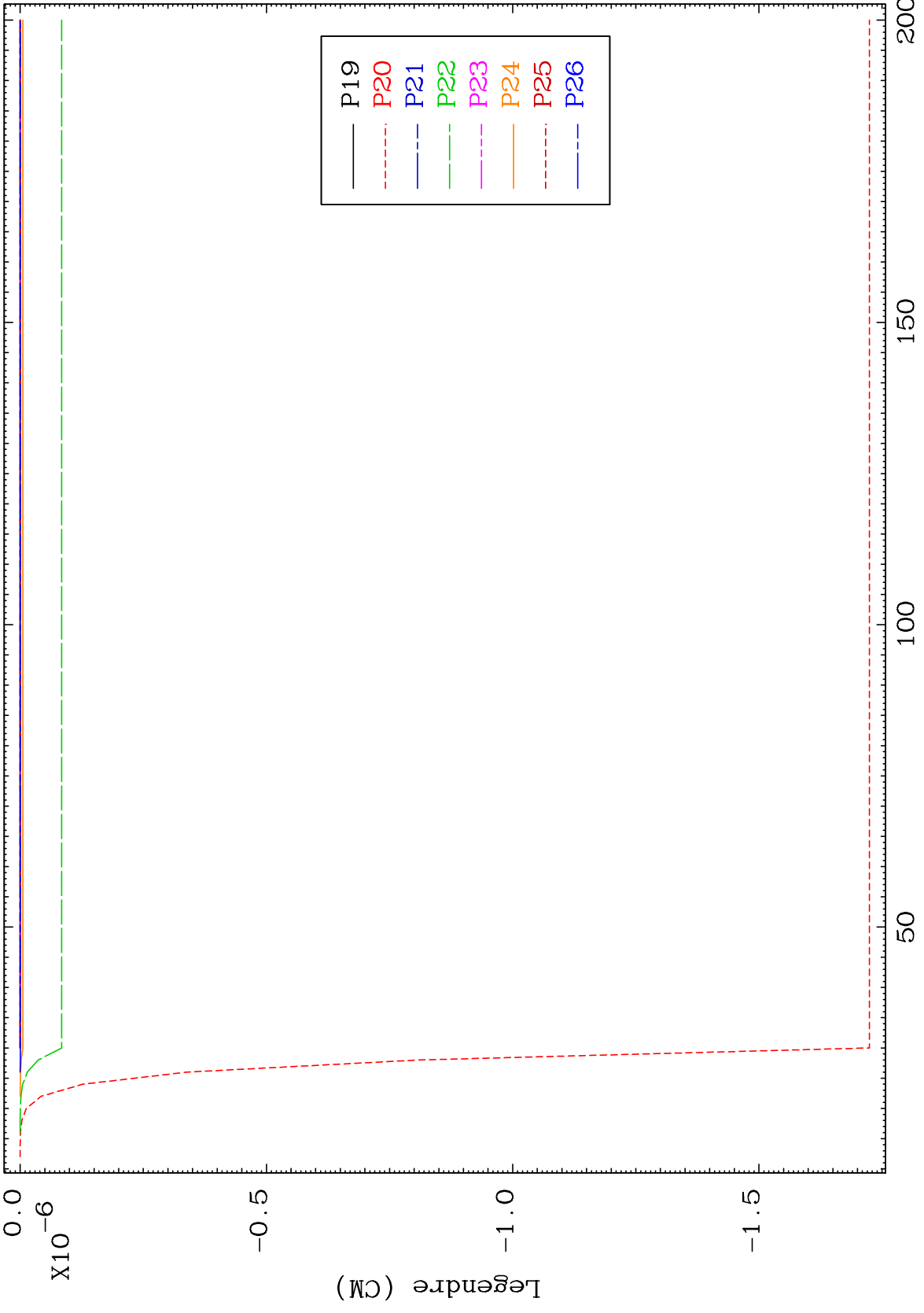


46

Incident Energy (MeV)

56-Ba-131

MAT 5628 MT= 58 (n,n') Level Legendre Coefficients 56-Ba-131

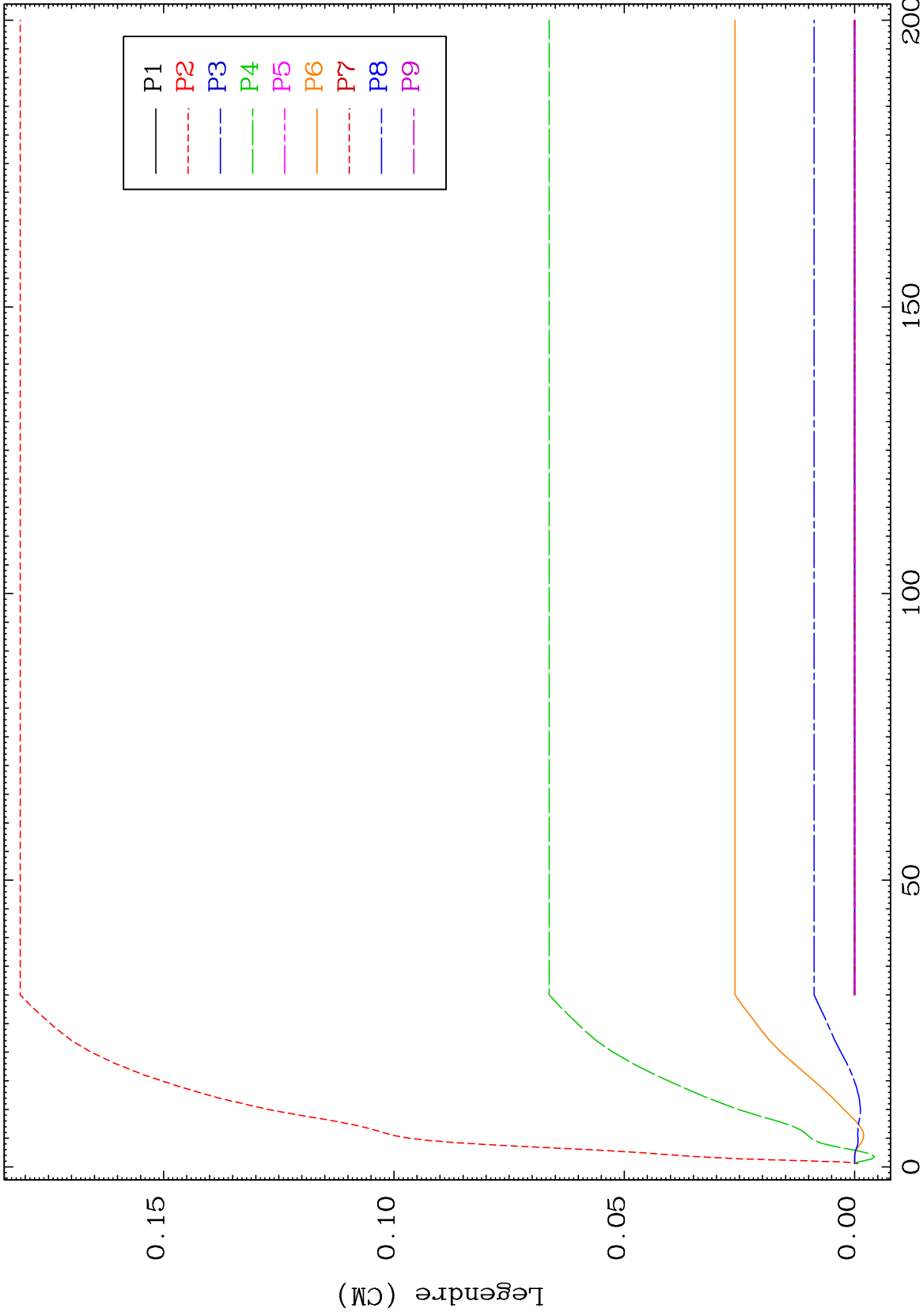


47 Incident Energy (MeV) 56-Ba-131

MAT 5628

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

56-Ba-131



48

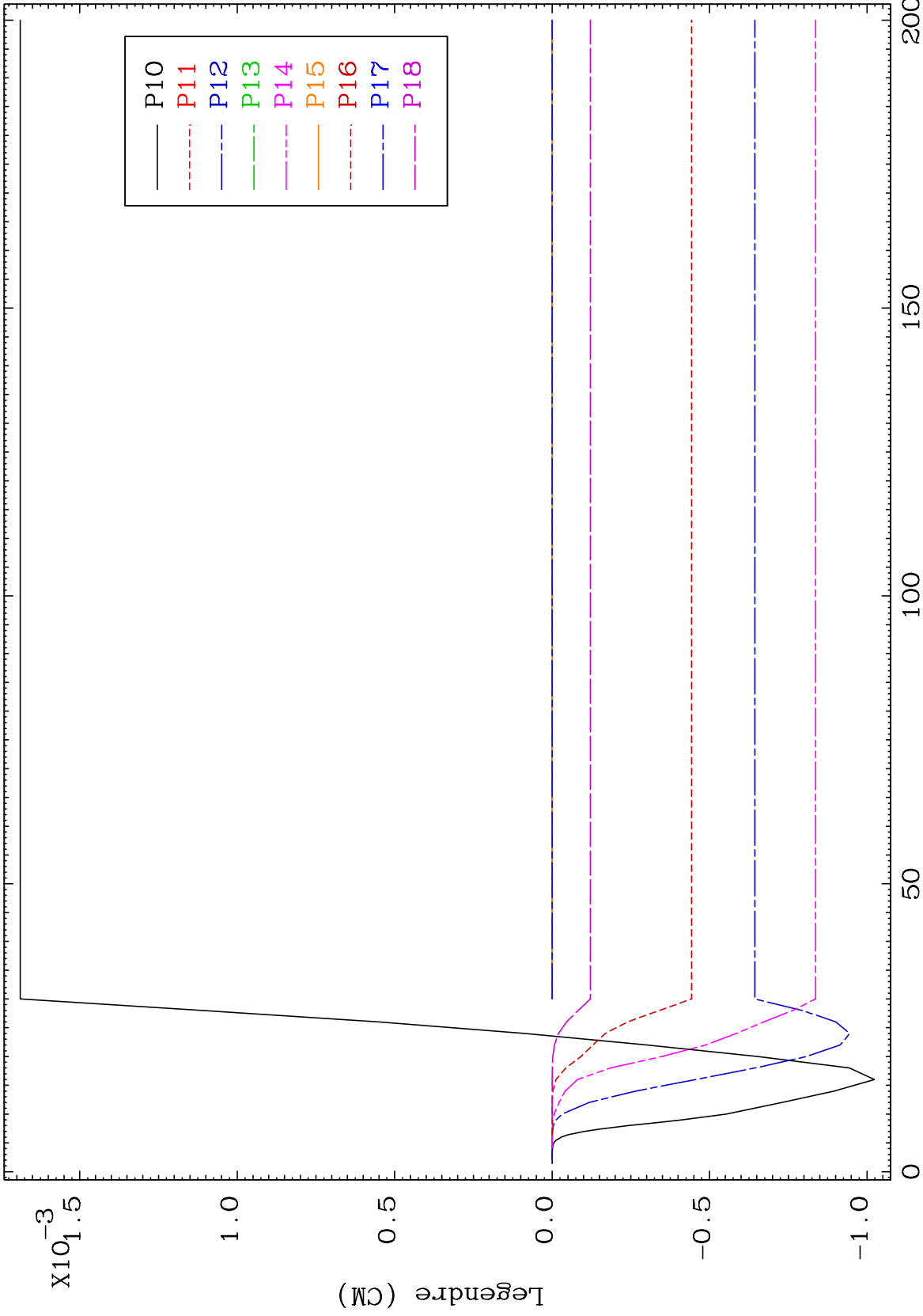
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

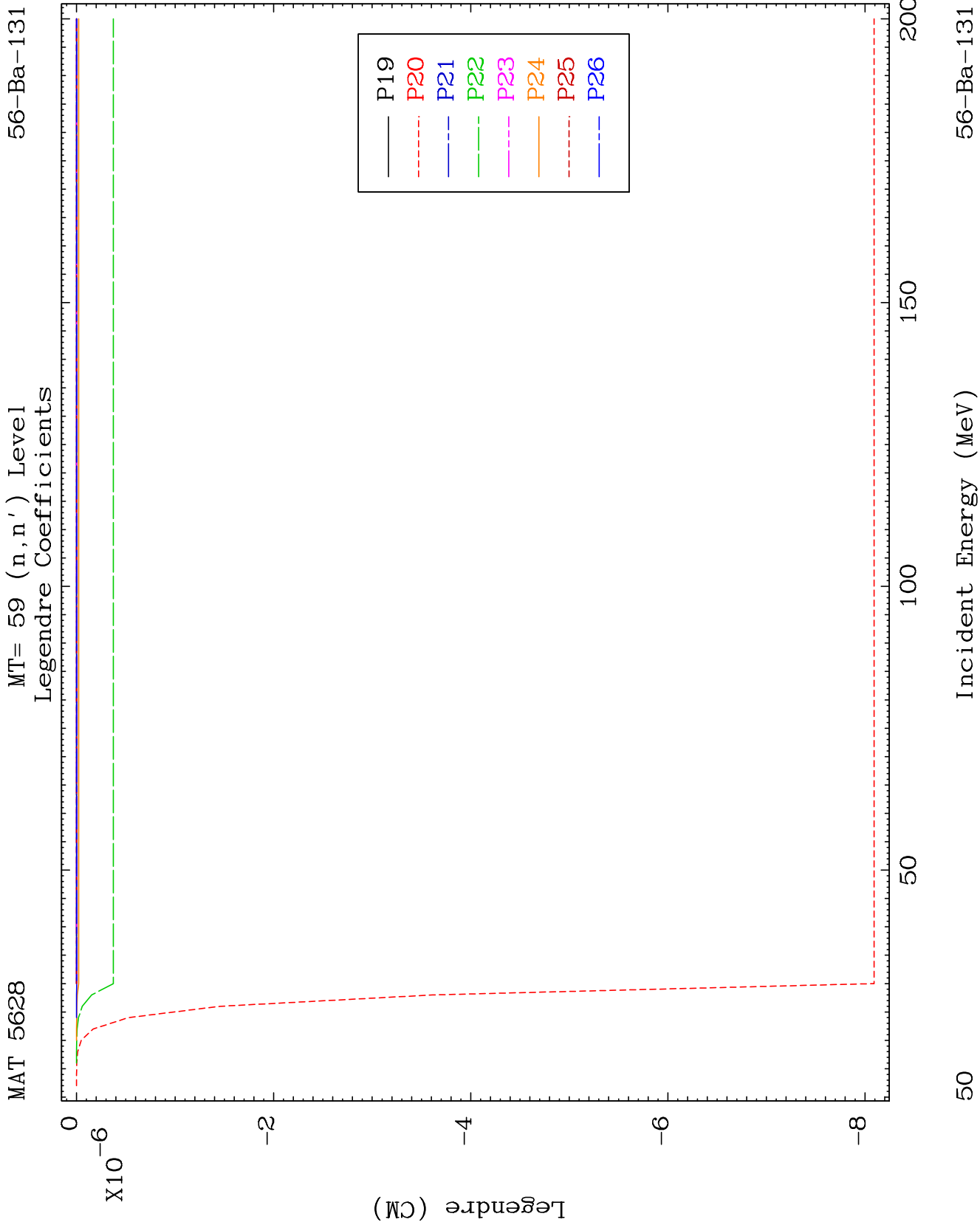
56-Ba-131



49

Incident Energy (MeV)

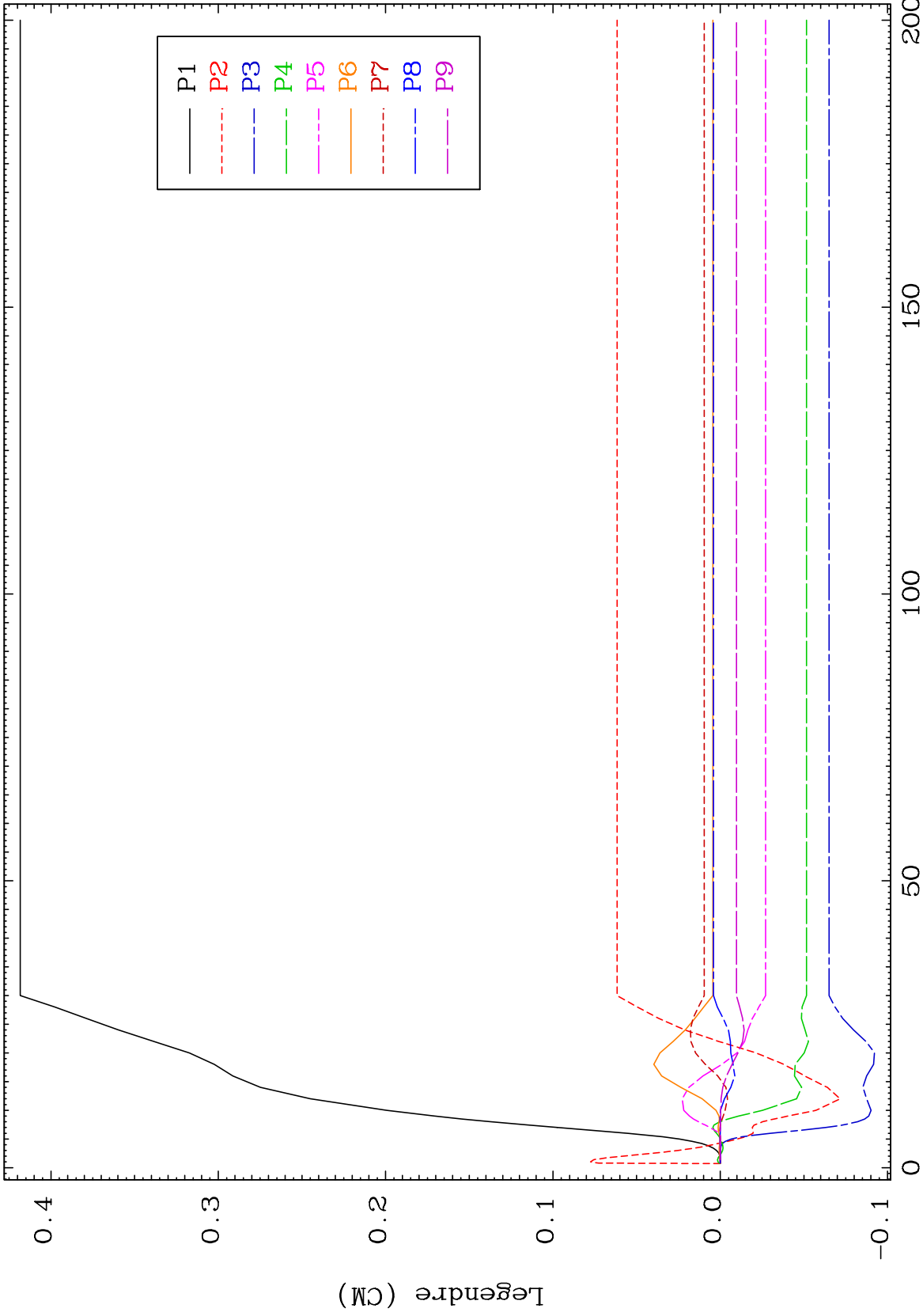
56-Ba-131



MAT 5628

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

56-Ba-131



51

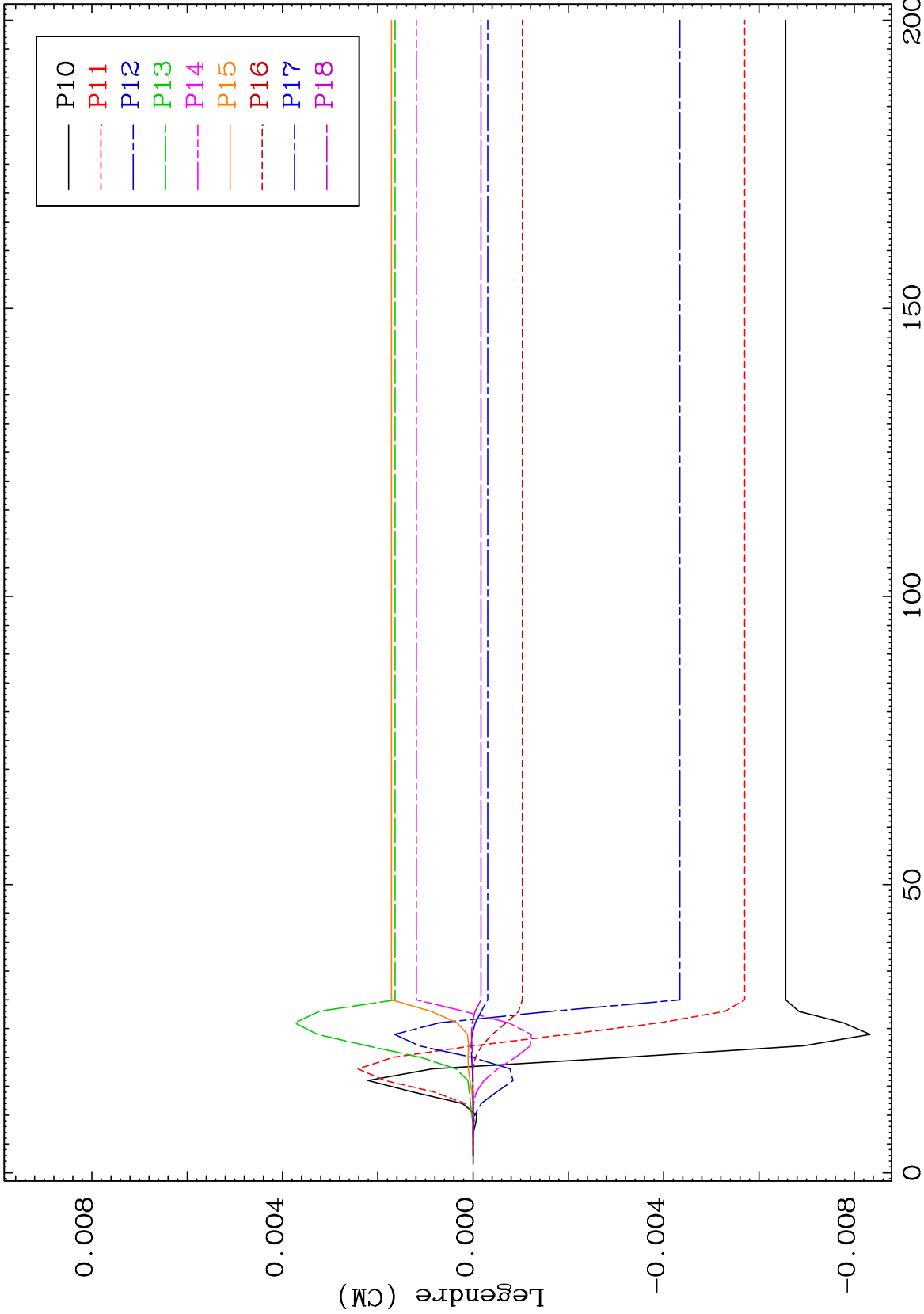
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

56-Ba-131

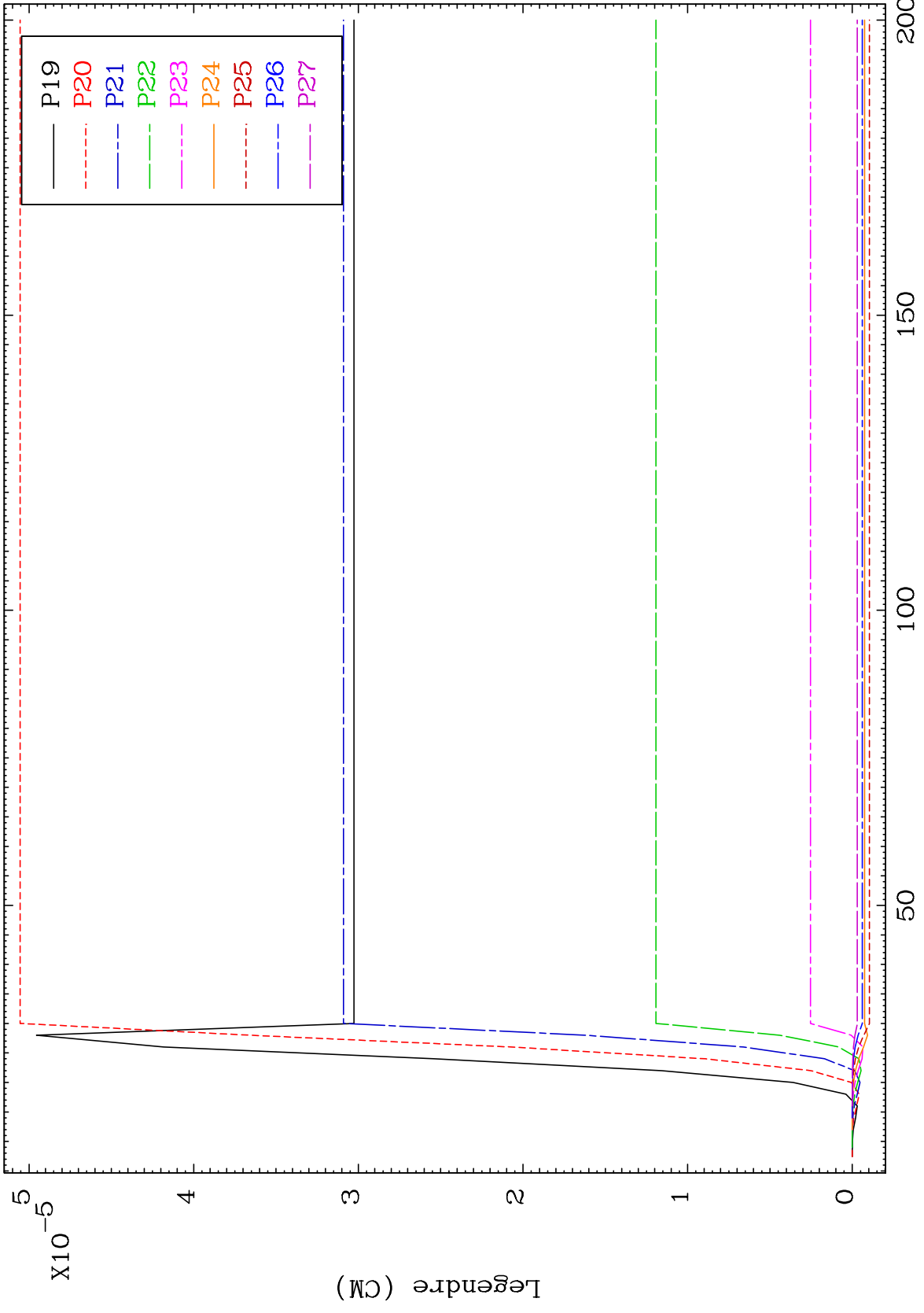


52

Incident Energy (MeV)

56-Ba-131

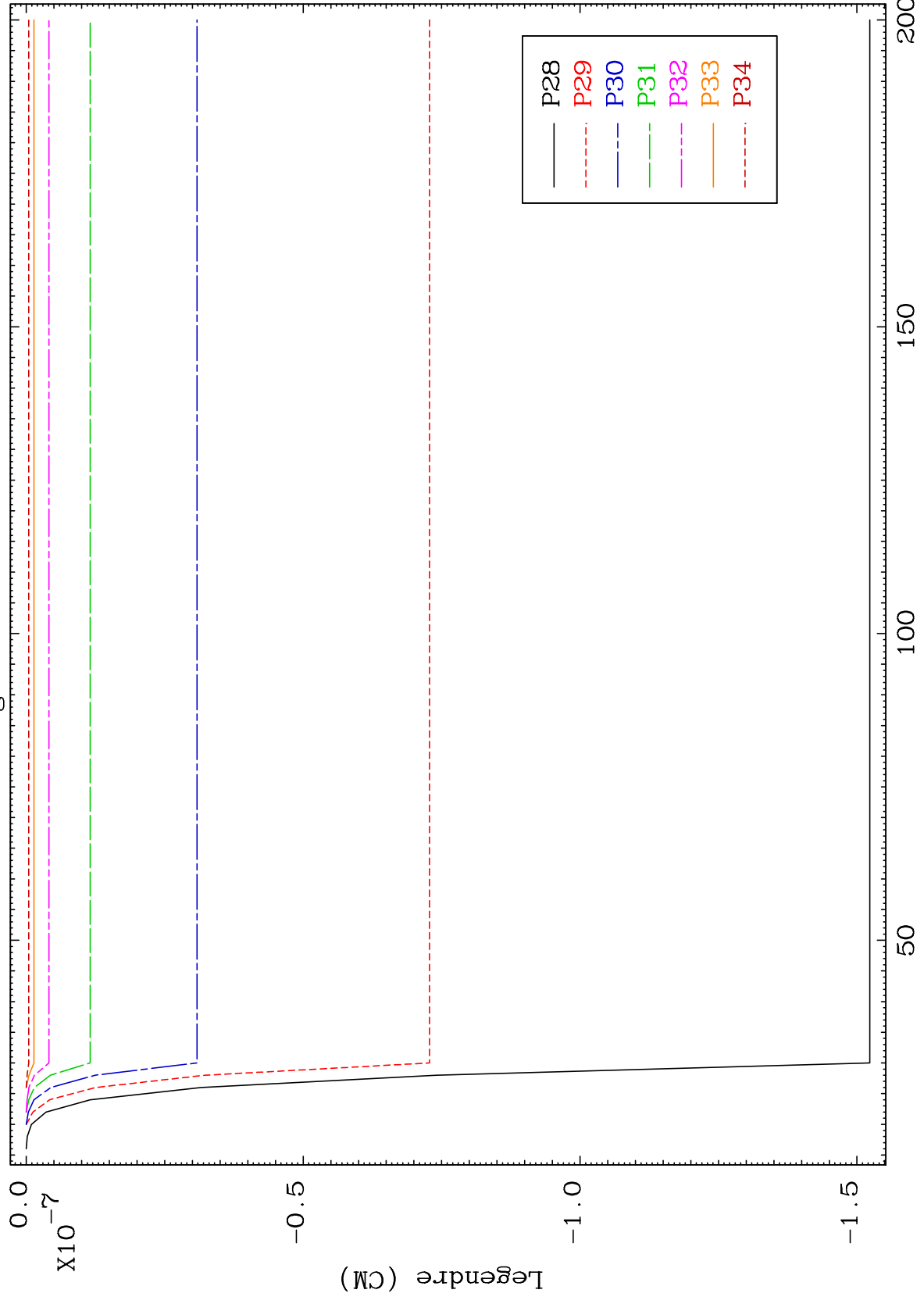
MAT 5628 MT= 60 (n,n') Level Legendre Coefficients 56-Ba-131



MAT 5628

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

56-Ba-131

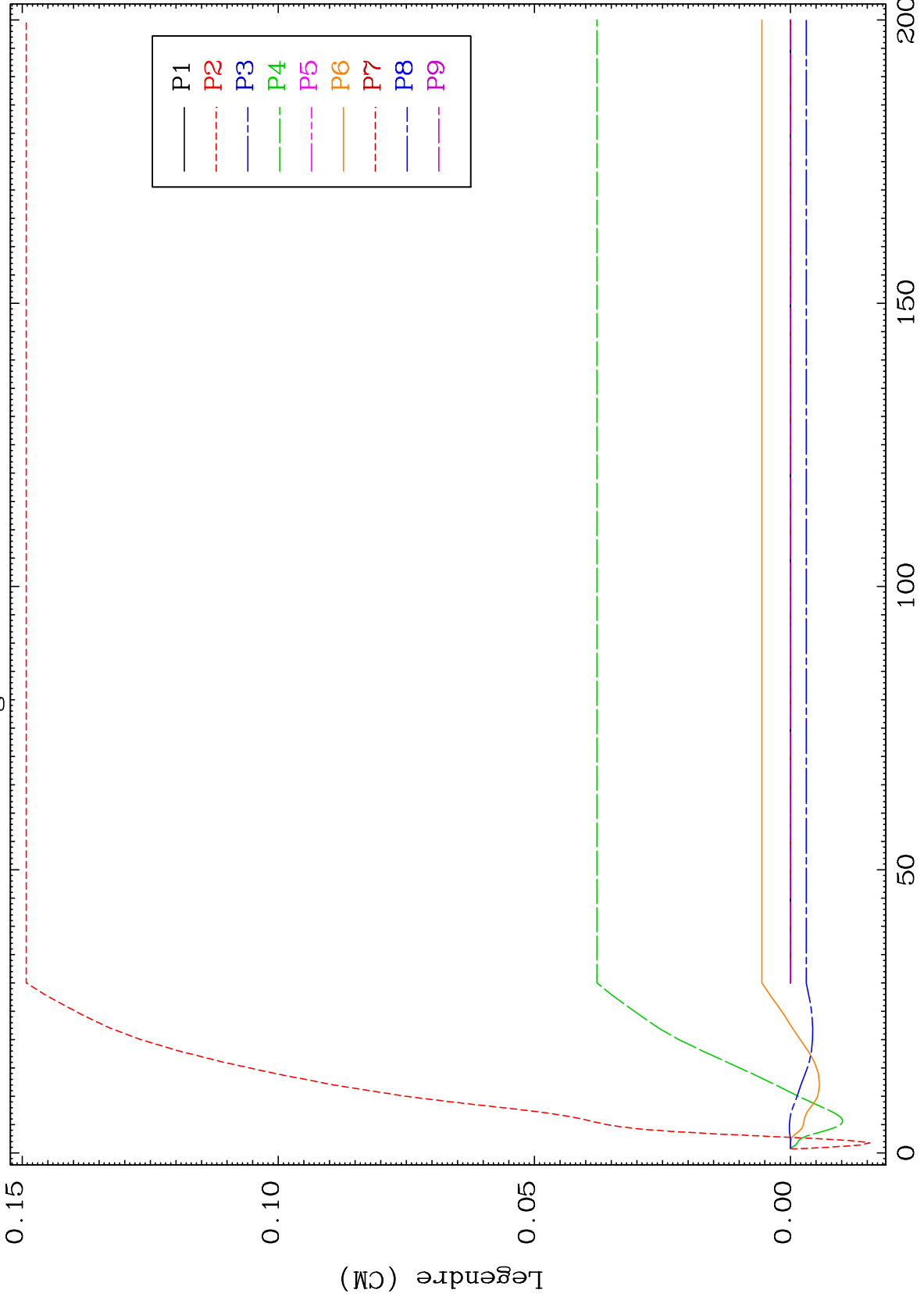


56-Ba-131

Incident Energy (MeV)

54

MAT 5628 MT= 61 (n,n') Level Legendre Coefficients 56-Ba-131

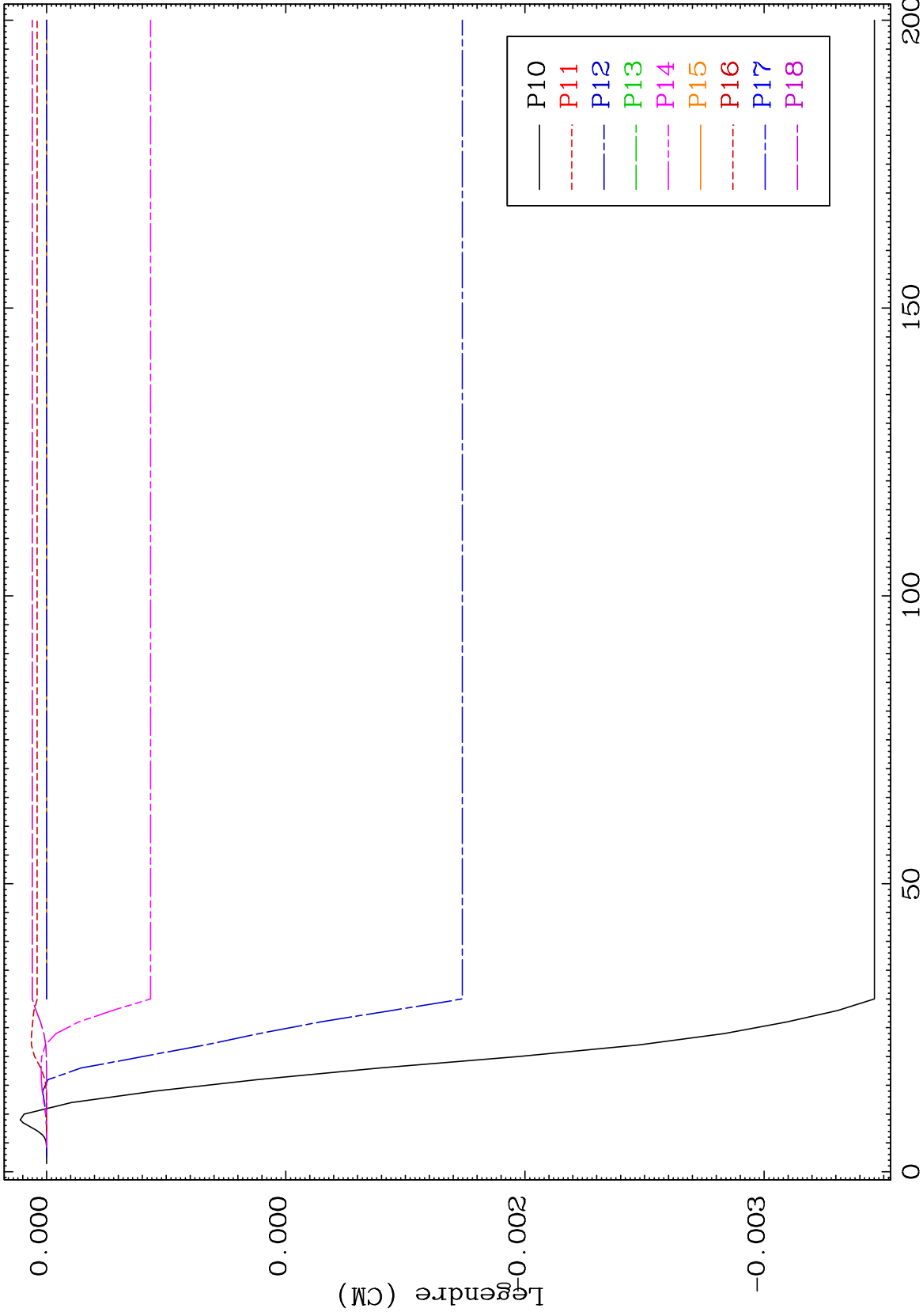


56-Ba-131

MAT 5628

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

56-Ba-131

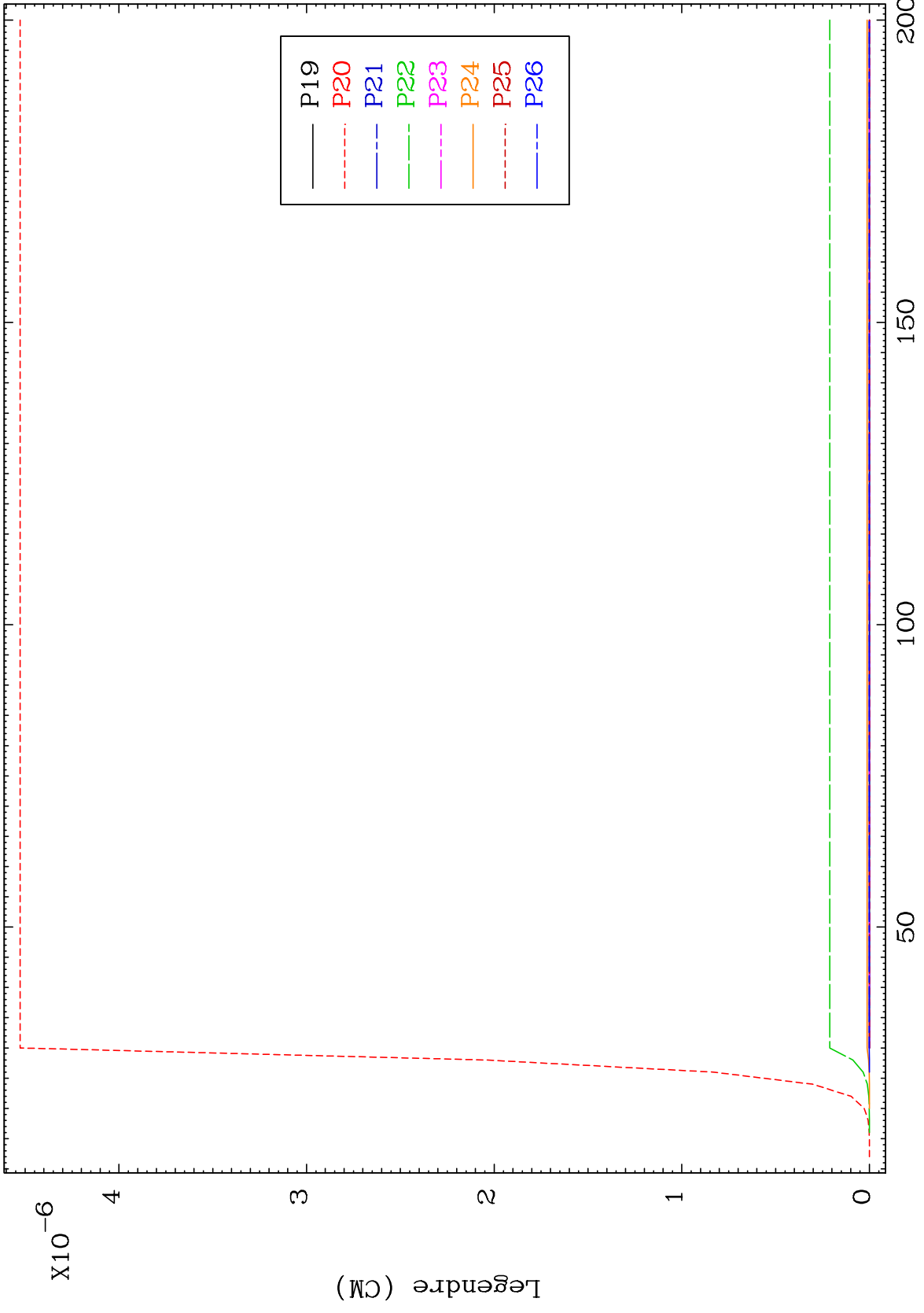


56

Incident Energy (MeV)

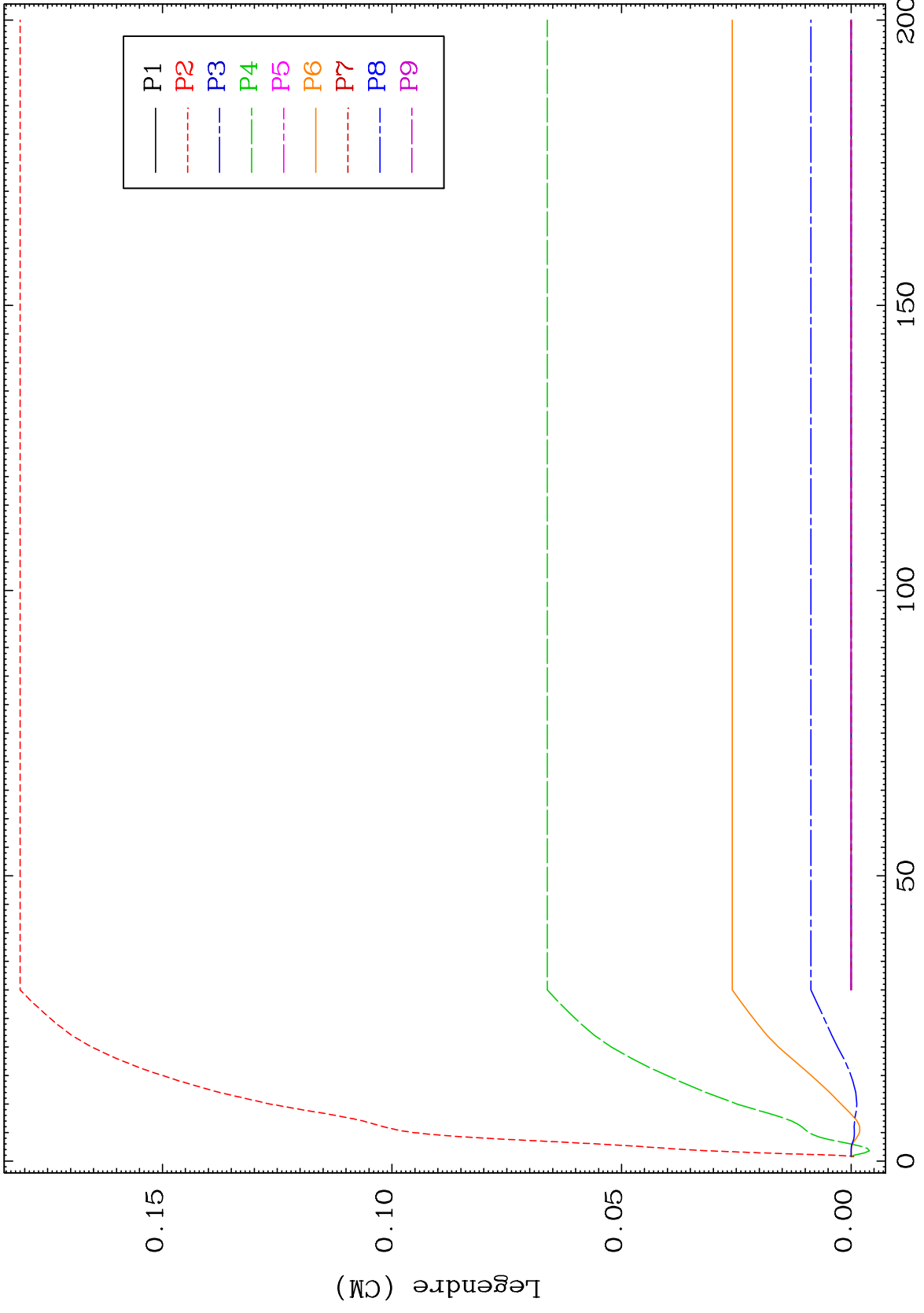
56-Ba-131

MAT 5628 MT= 61 (n,n') Level Legendre Coefficients 56-Ba-131



57 56-Ba-131

MAT 5628 MT= 62 (n,n') Level Legendre Coefficients 56-Ba-131

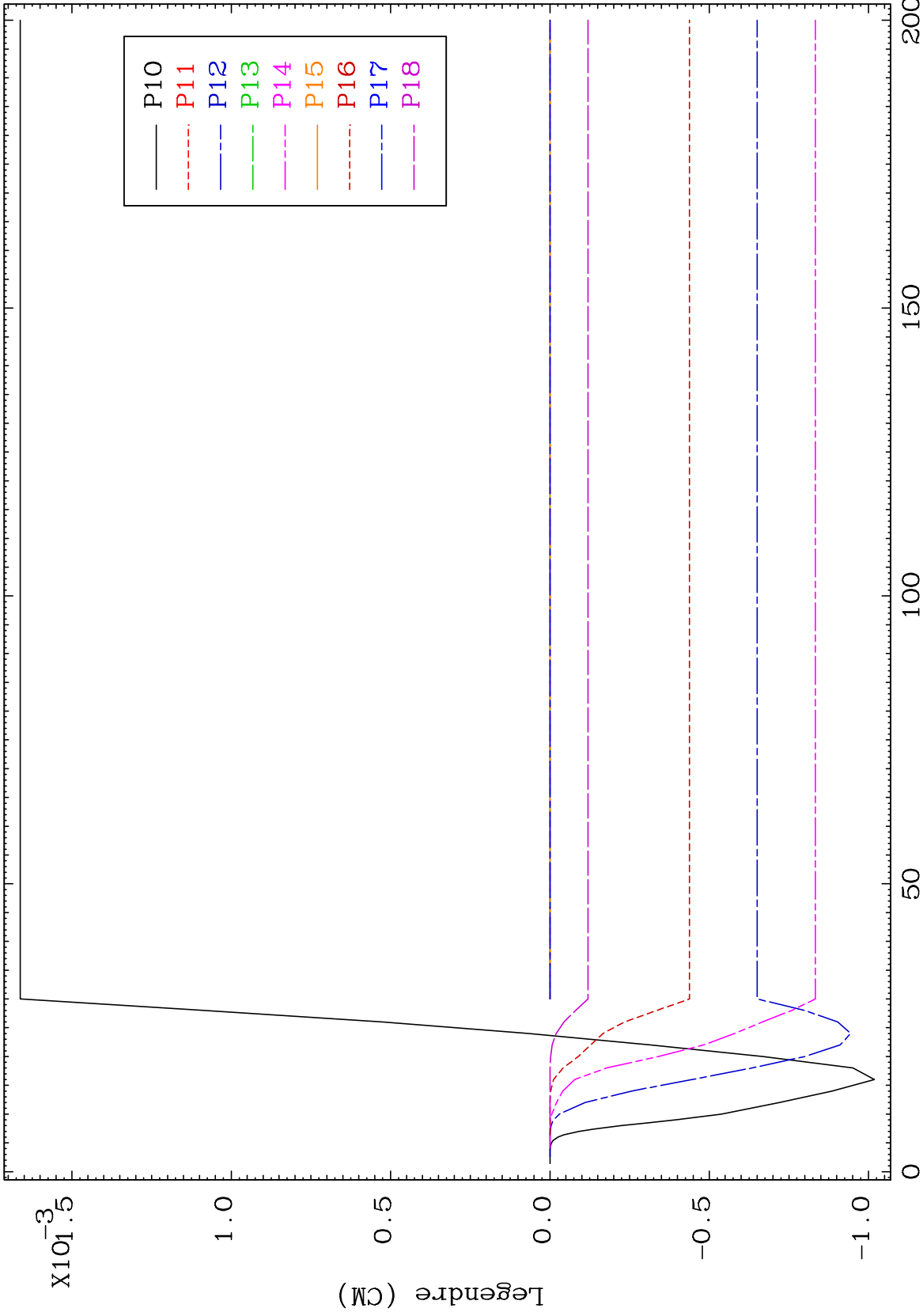


58 56-Ba-131

MAT 5628

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

56-Ba-131

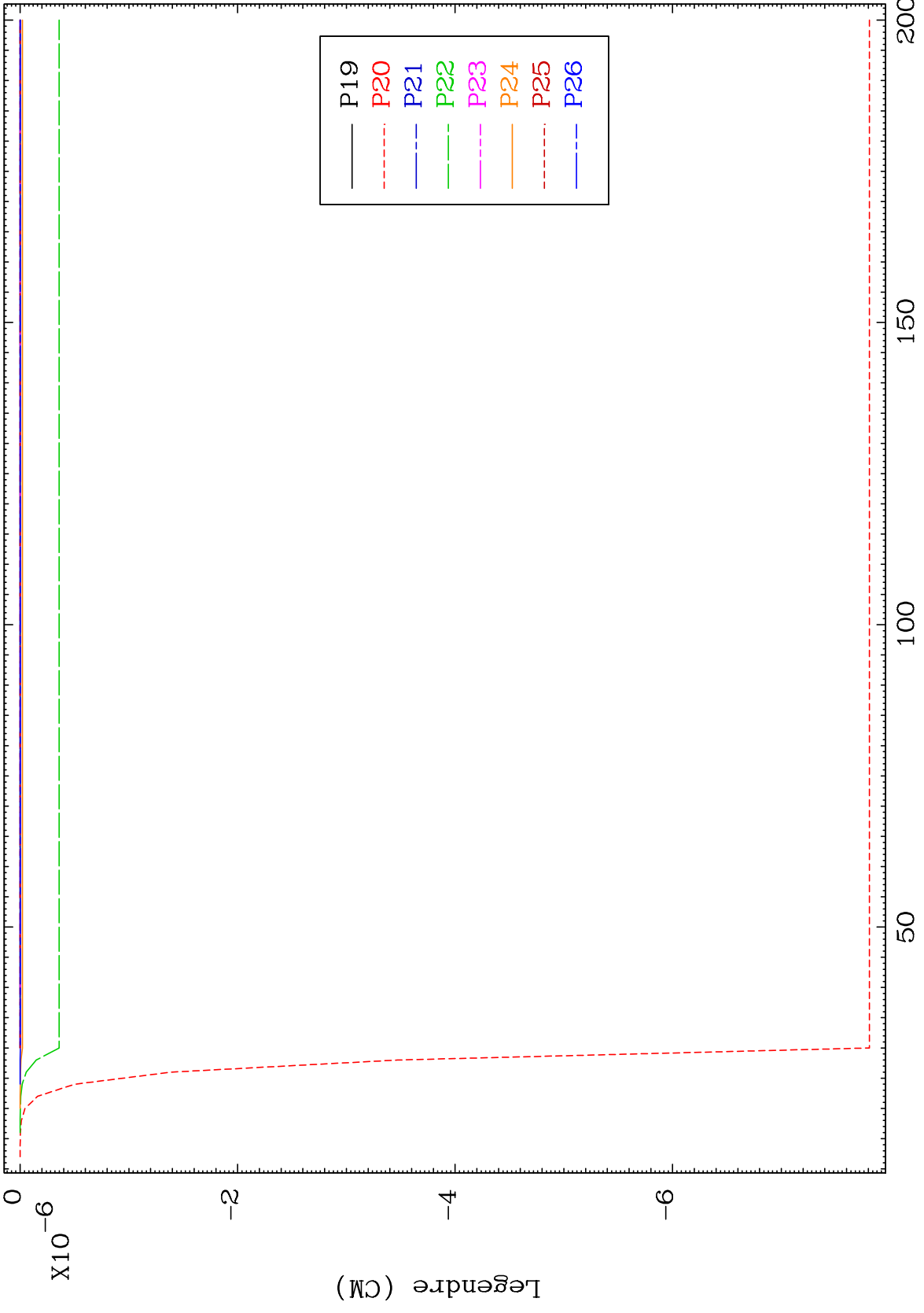


59

Incident Energy (MeV)

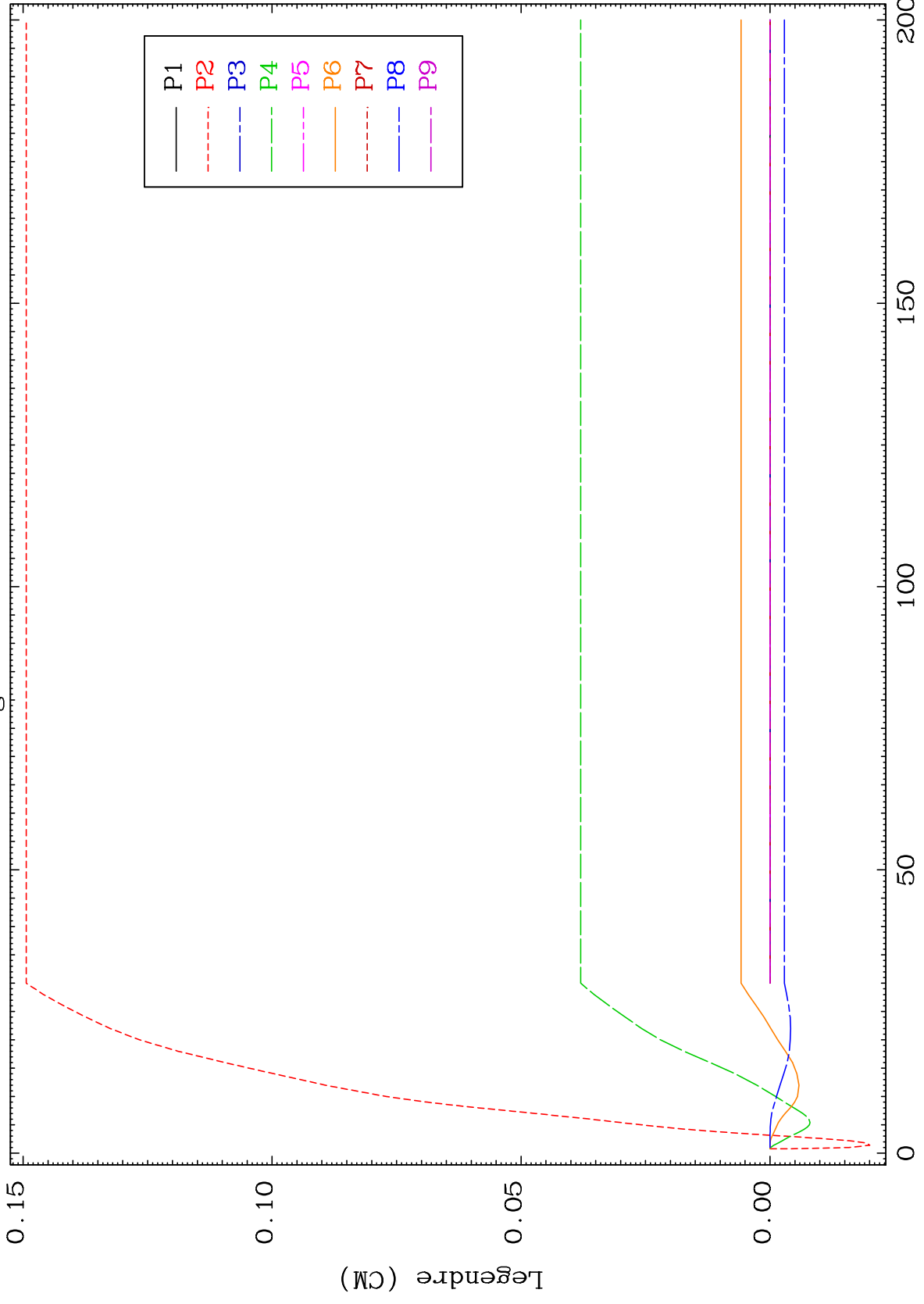
56-Ba-131

MAT 5628 MT= 62 (n,n') Level Legendre Coefficients 56-Ba-131



60 Incident Energy (MeV) 56-Ba-131

MAT 5628 MT= 63 (n,n') Level Legendre Coefficients 56-Ba-131

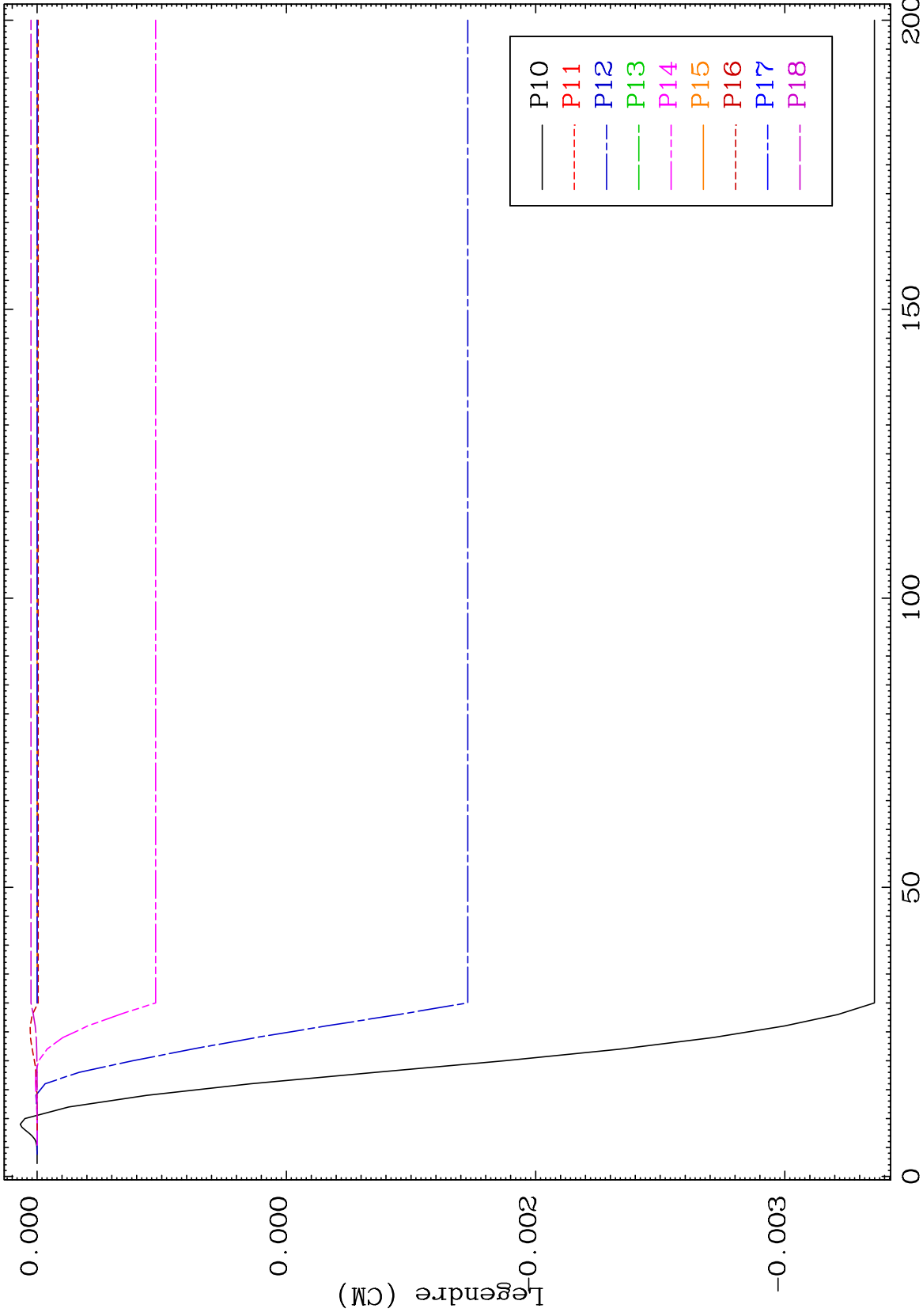


61 56-Ba-131

MAT 5628

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

56-Ba-131



62

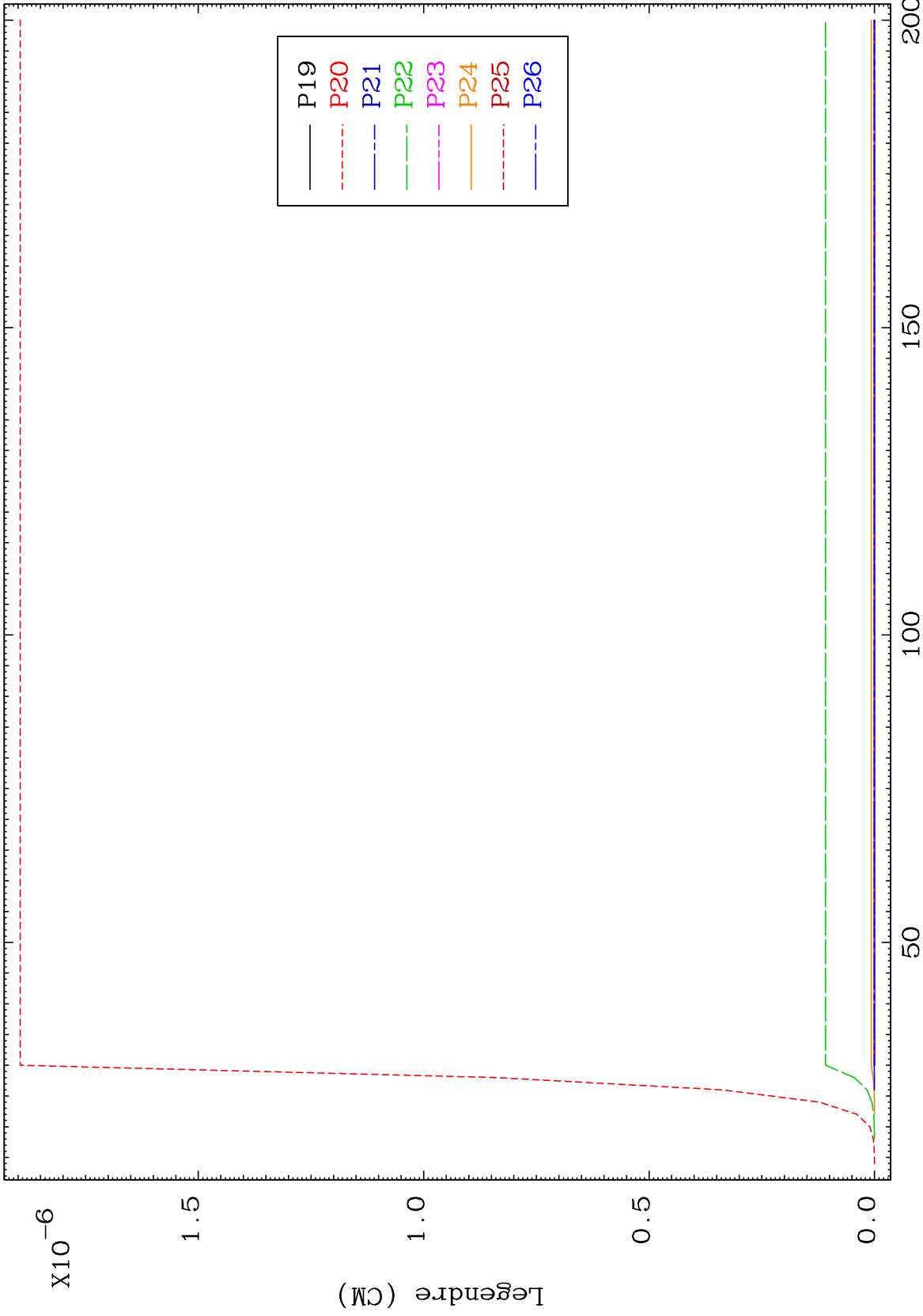
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

56-Ba-131



63

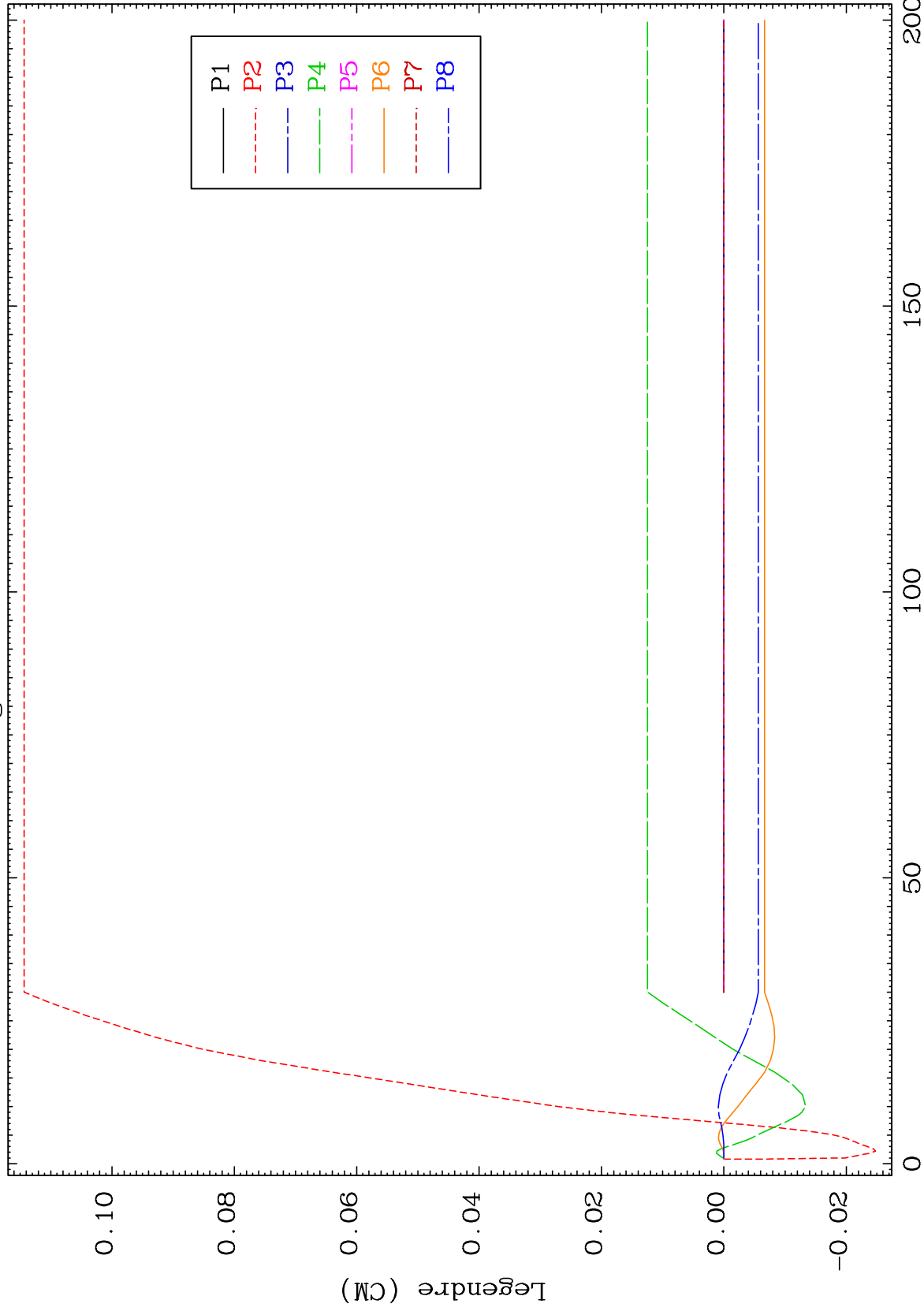
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

56-Ba-131



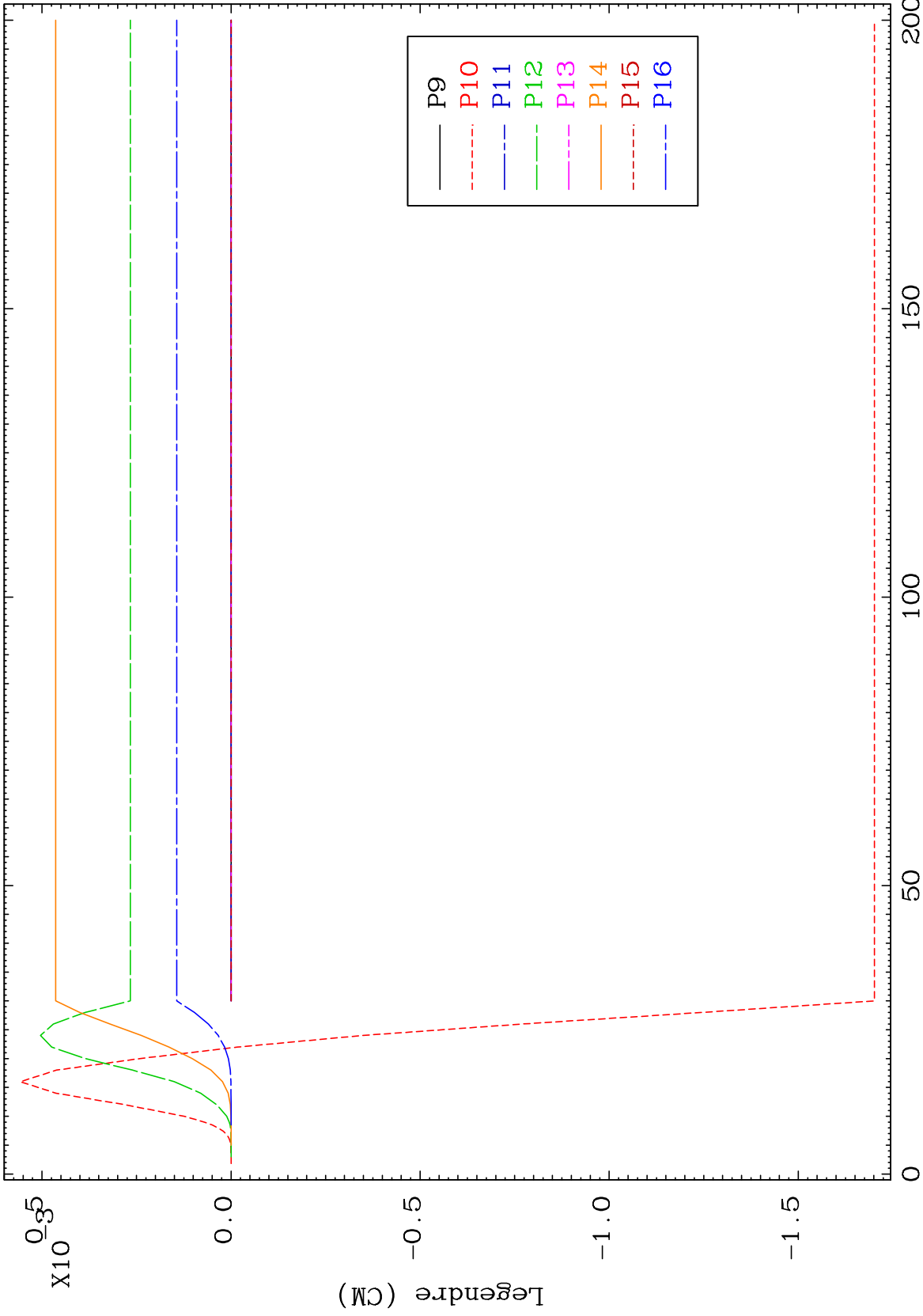
64

56-Ba-131

MAT 5628

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

56-Ba-131



65

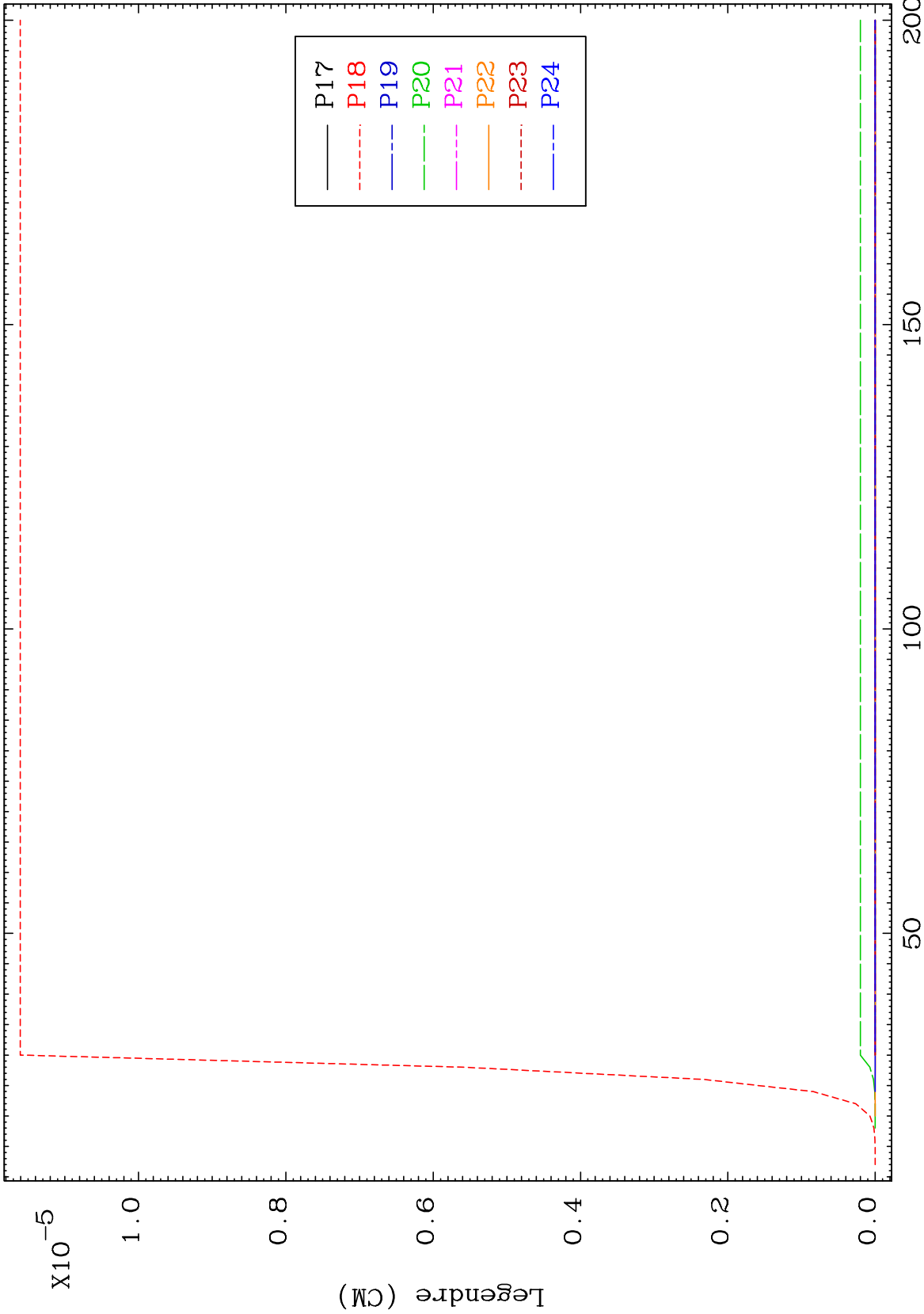
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

56-Ba-131



66

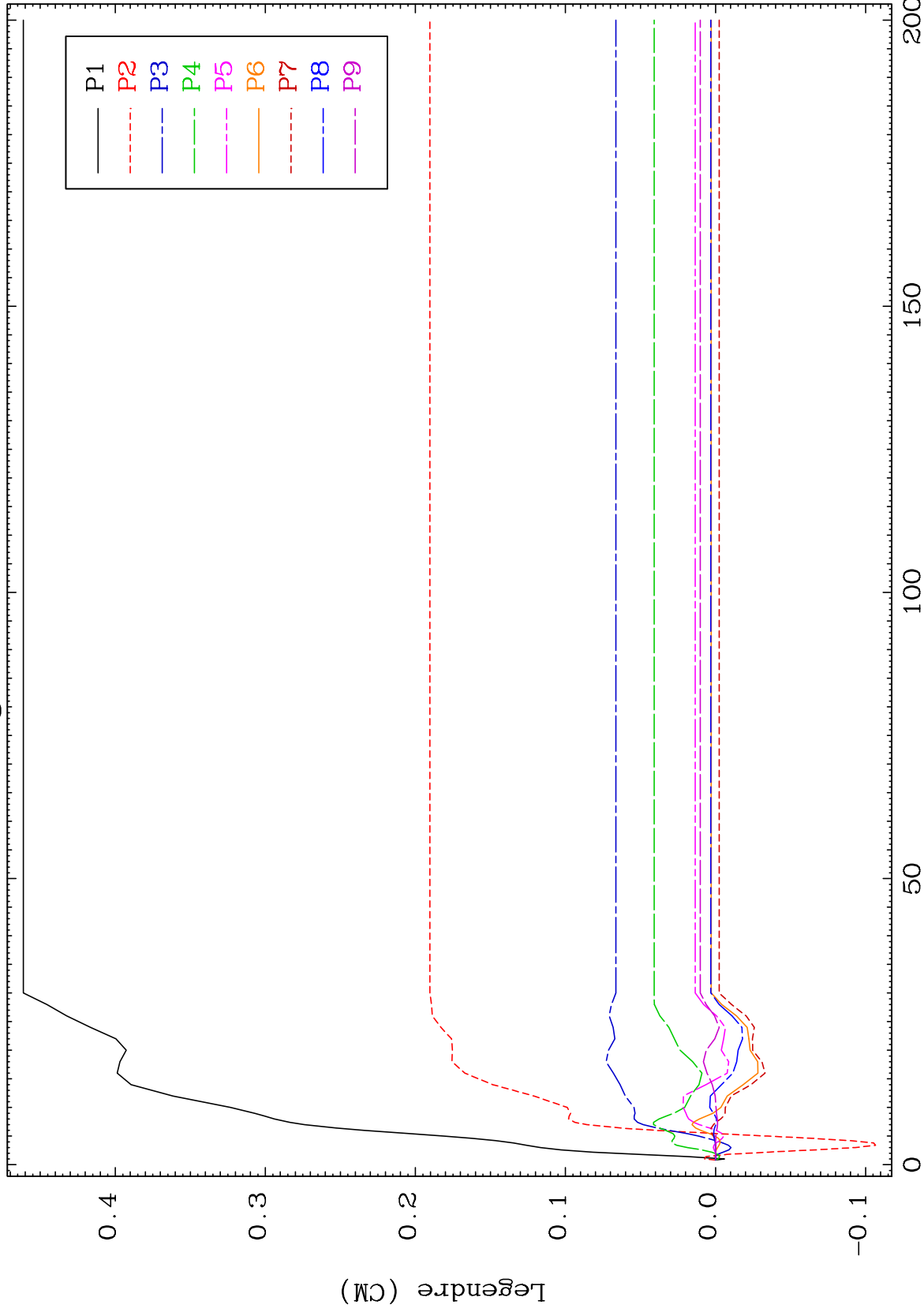
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

56-Ba-131



67

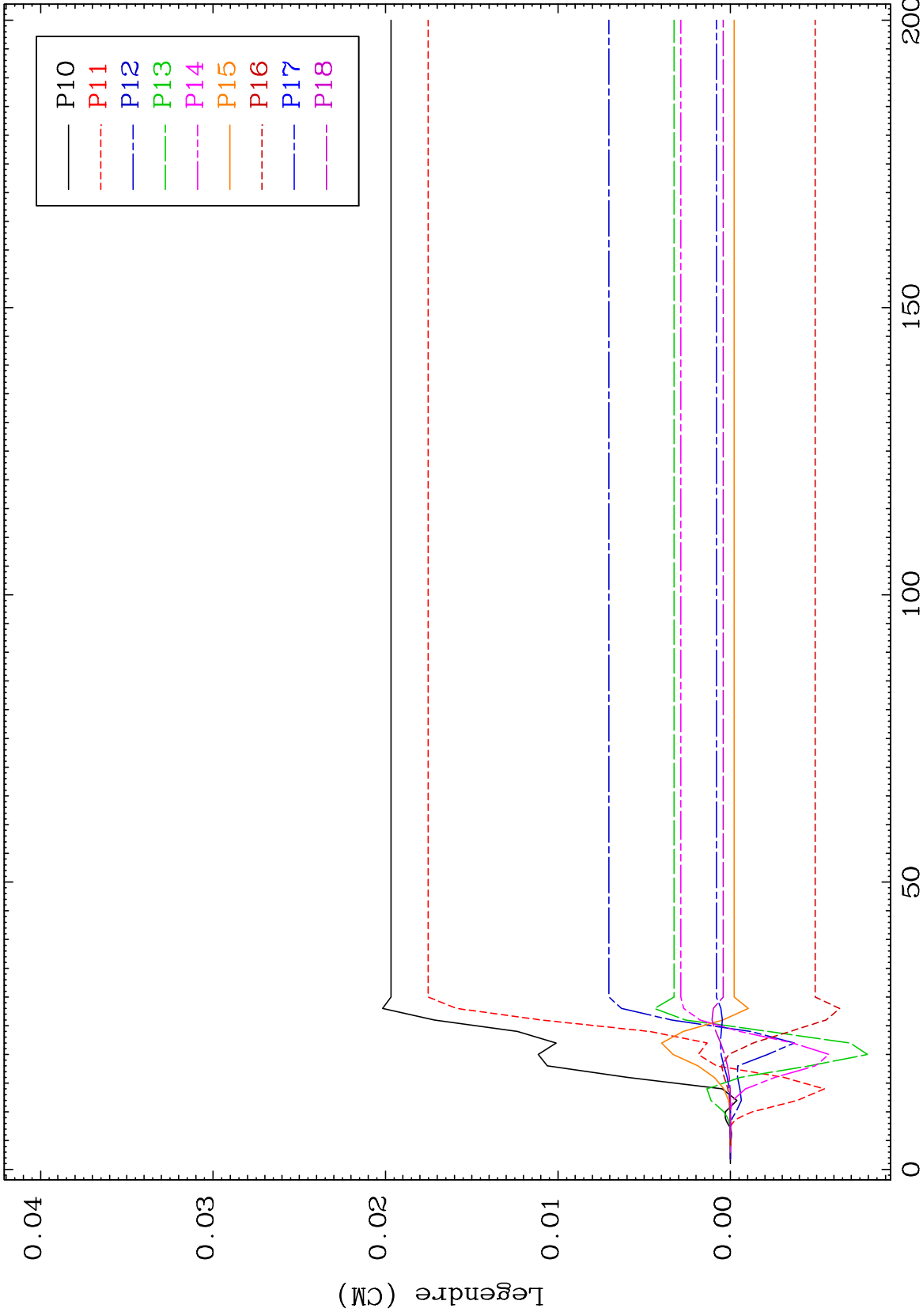
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

56-Ba-131



68

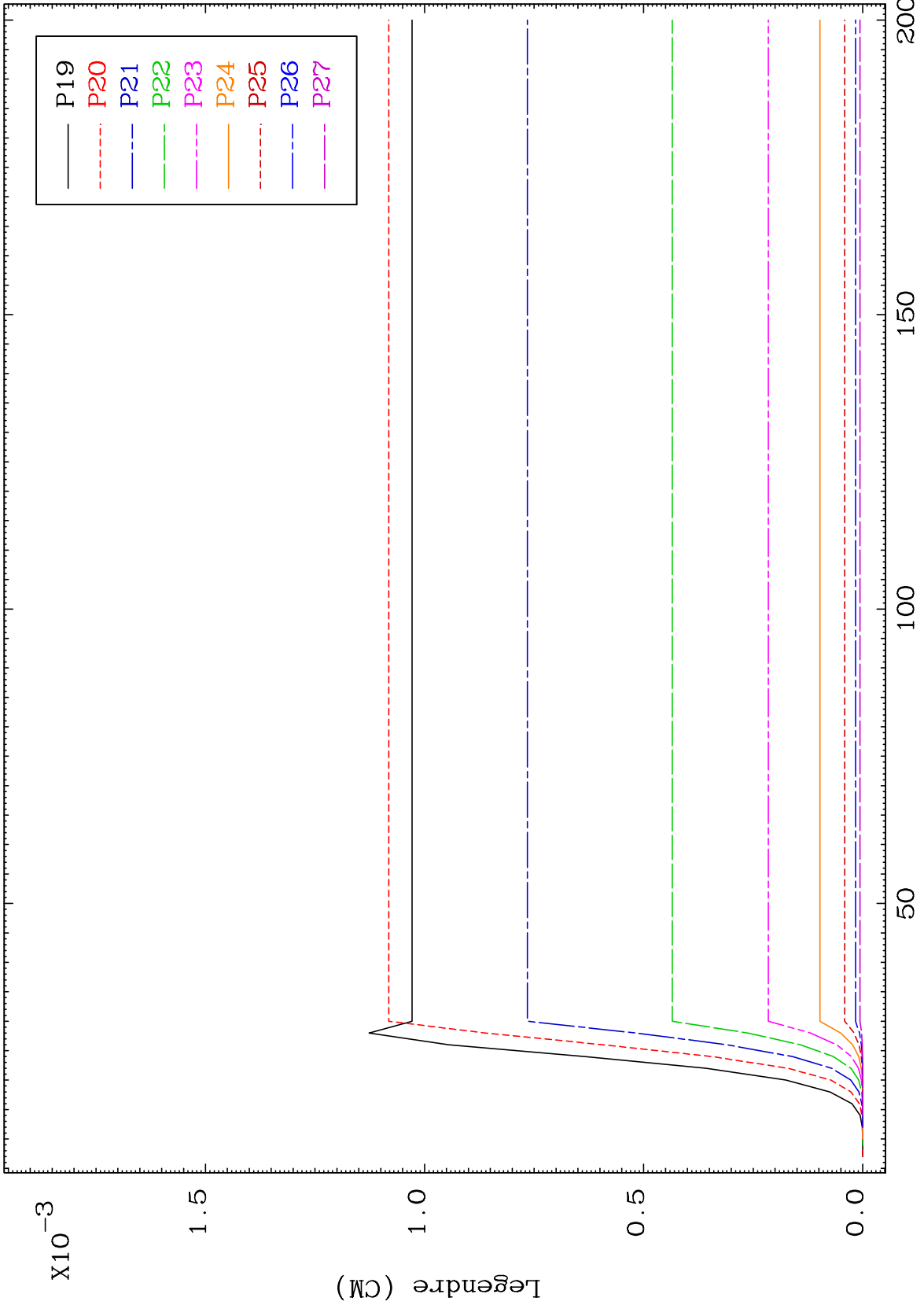
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

56-Ba-131



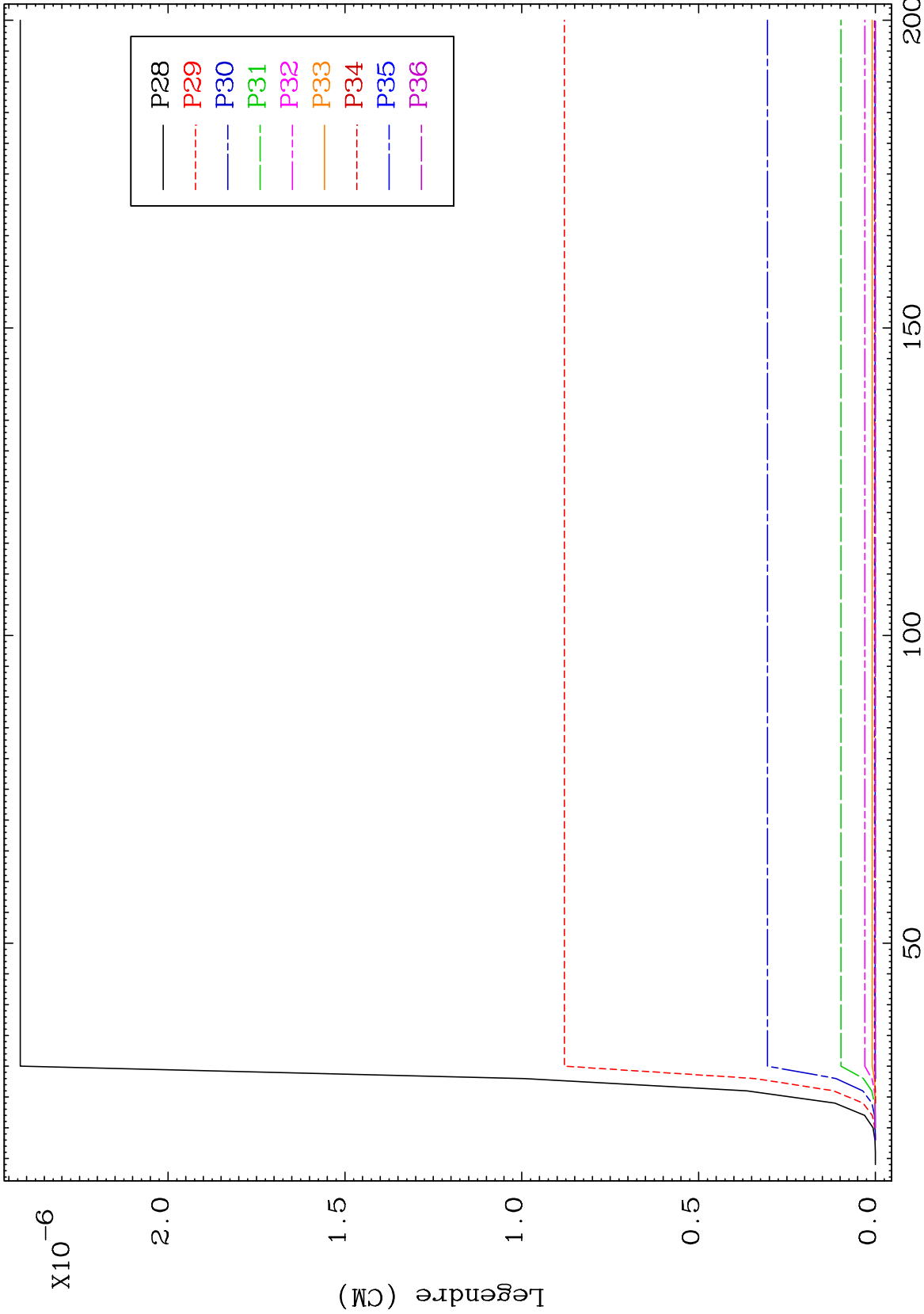
69

56-Ba-131

MAT 5628

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

56-Ba-131



70

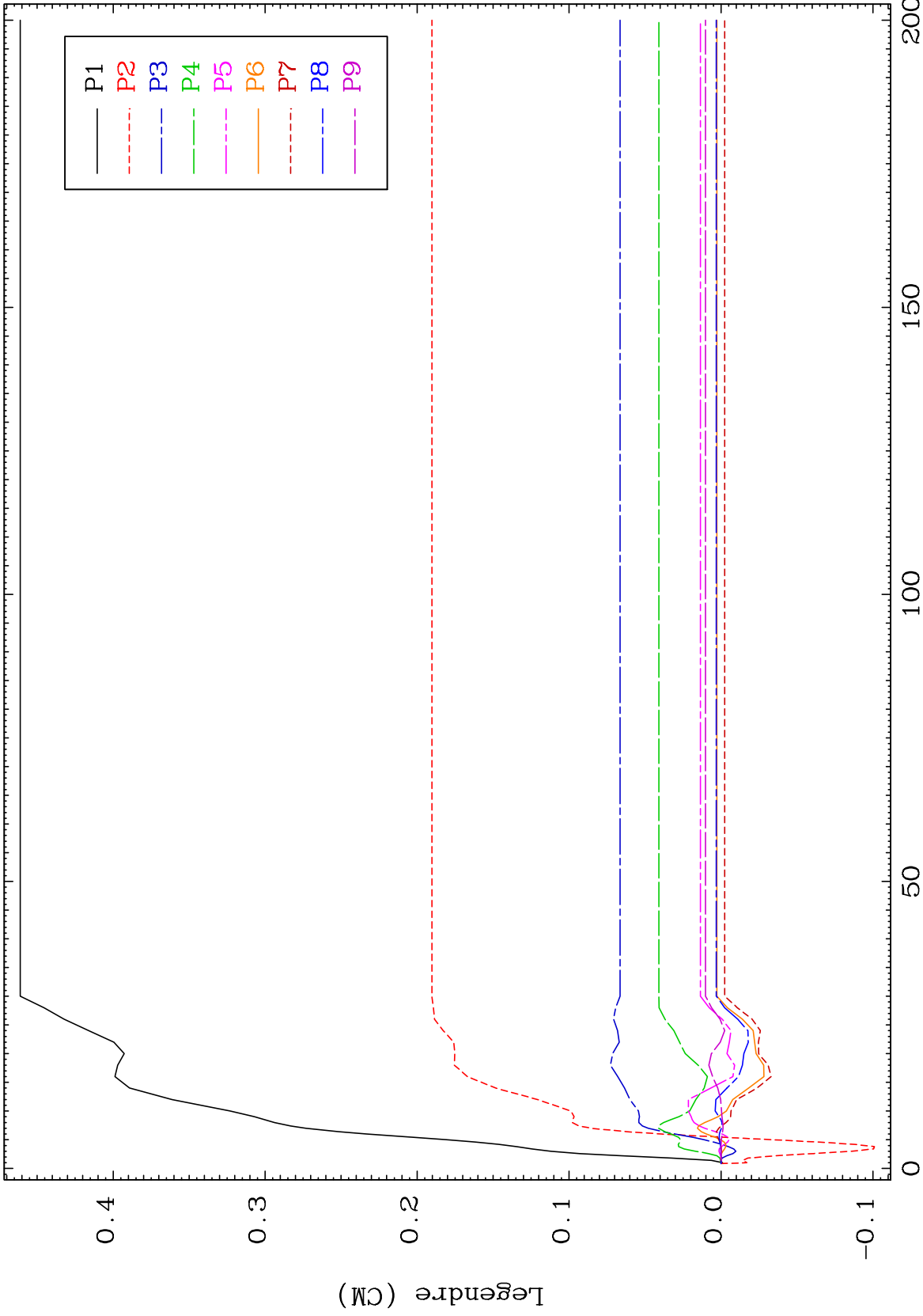
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

56-Ba-131



56-Ba-131

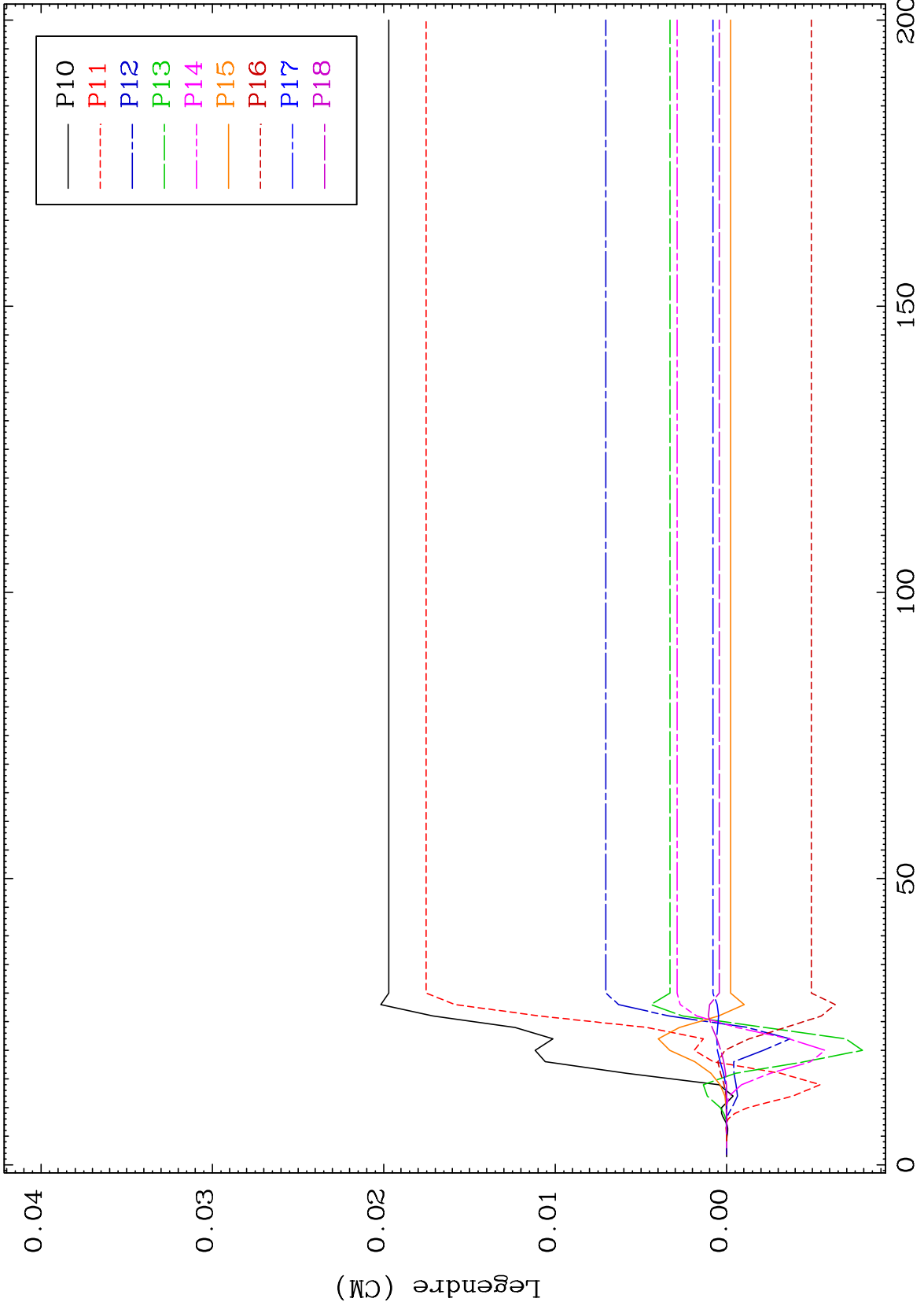
Incident Energy (MeV)

71

MAT 5628

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

56-Ba-131



72

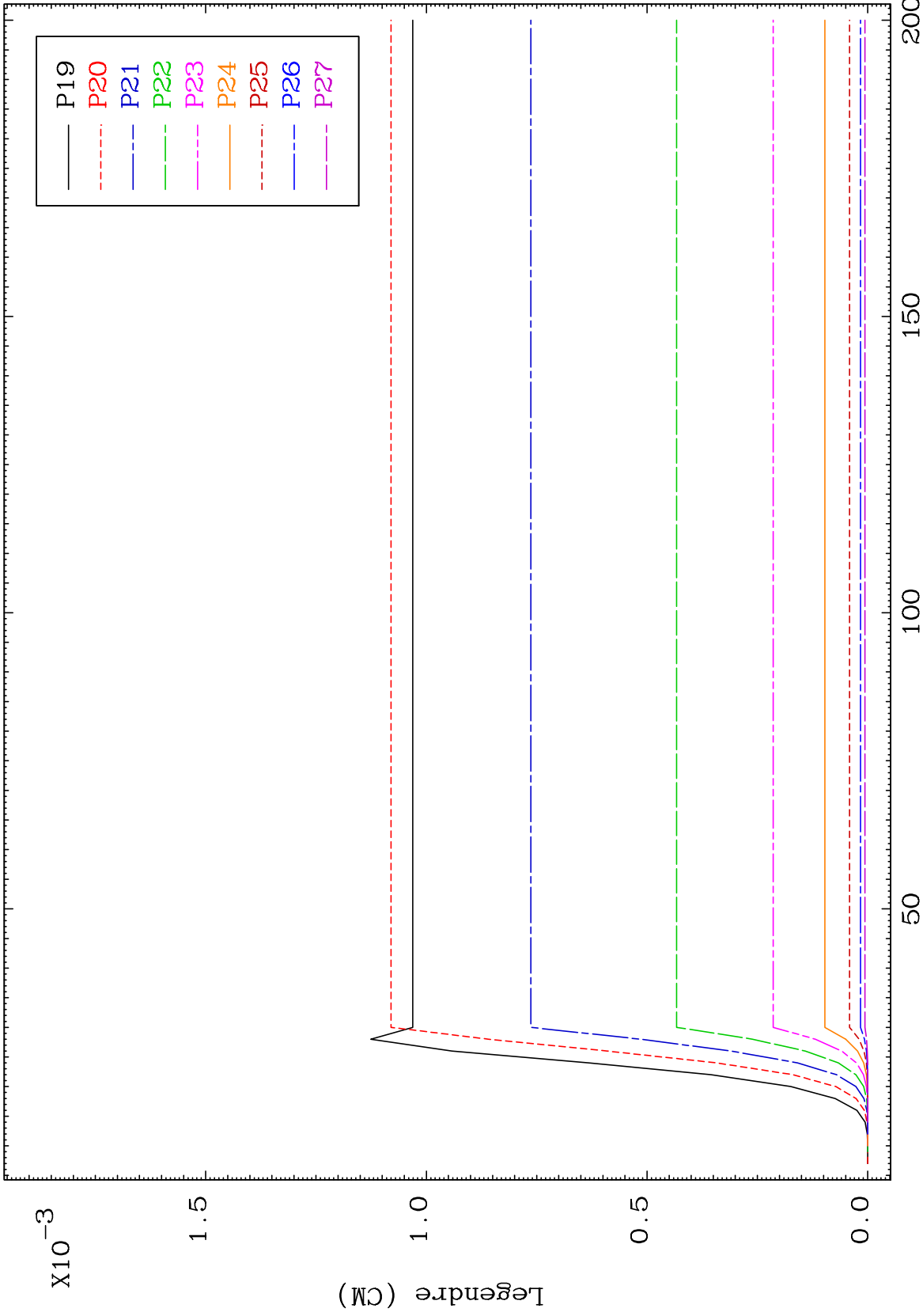
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

56-Ba-131



73

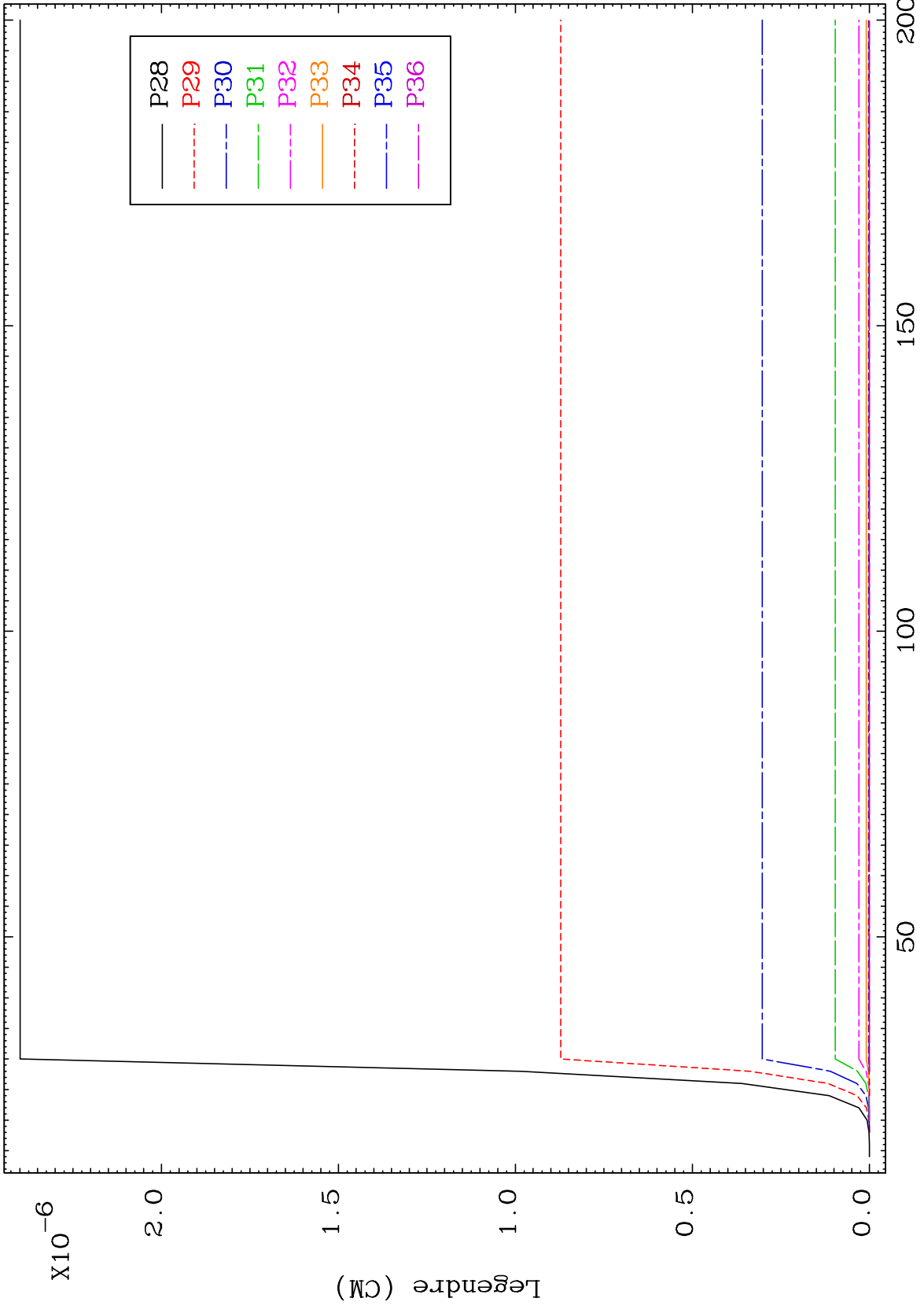
Incident Energy (MeV)

56-Ba-131

MAT 5628

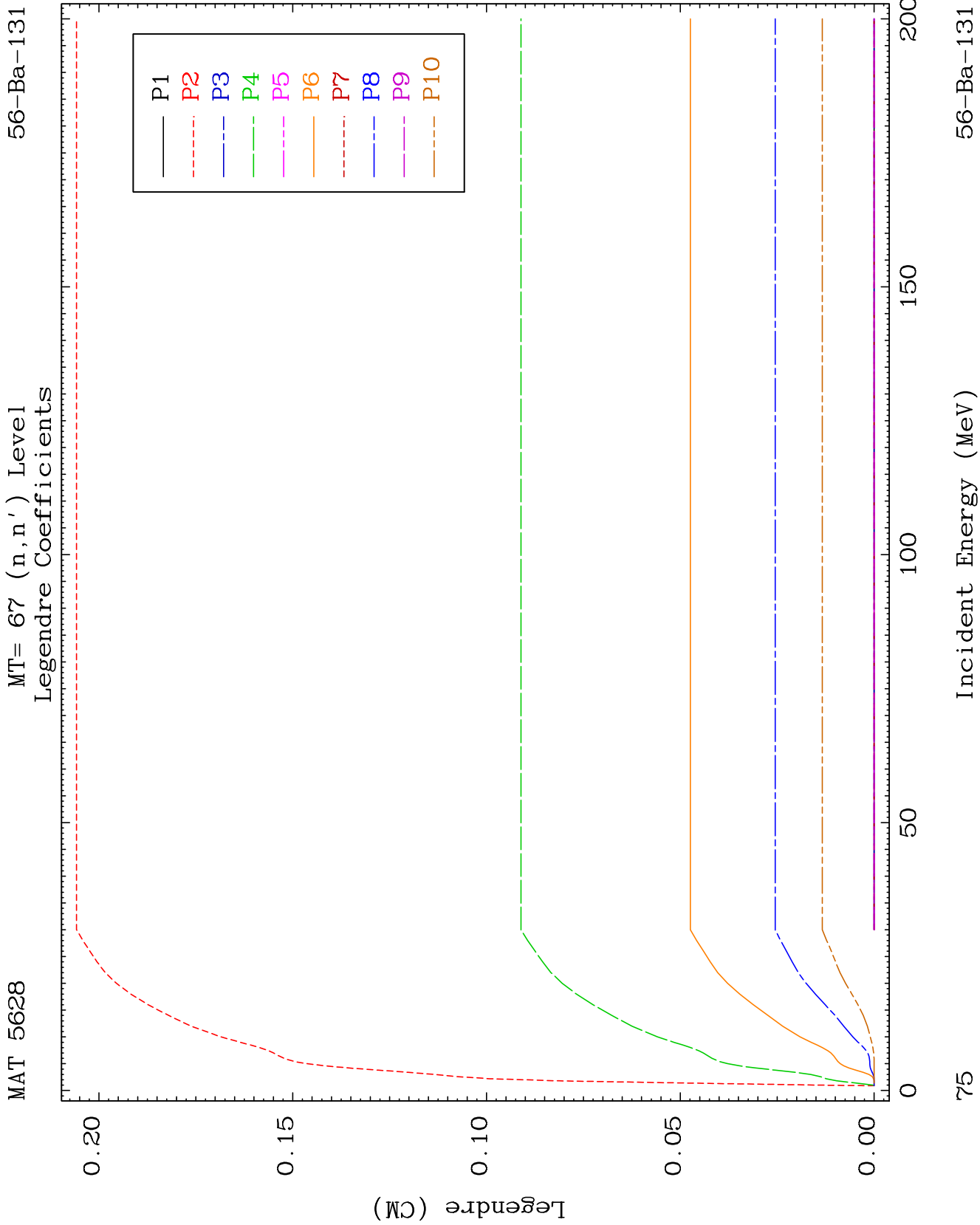
MT= 66 (n,n') Level
Legendre Coefficients

56-Ba-131



74

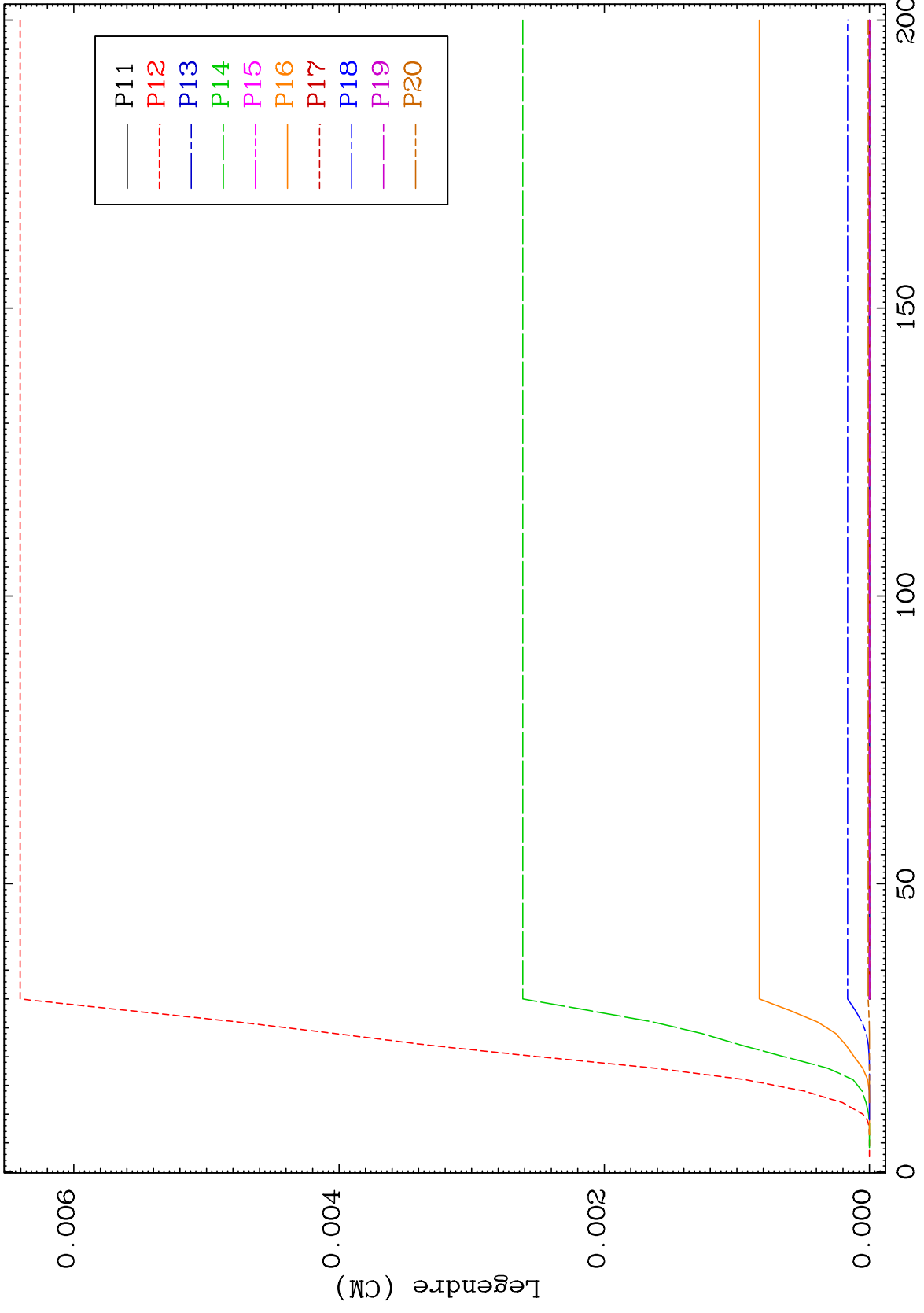
56-Ba-131



MAT 5628

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

56-Ba-131



76

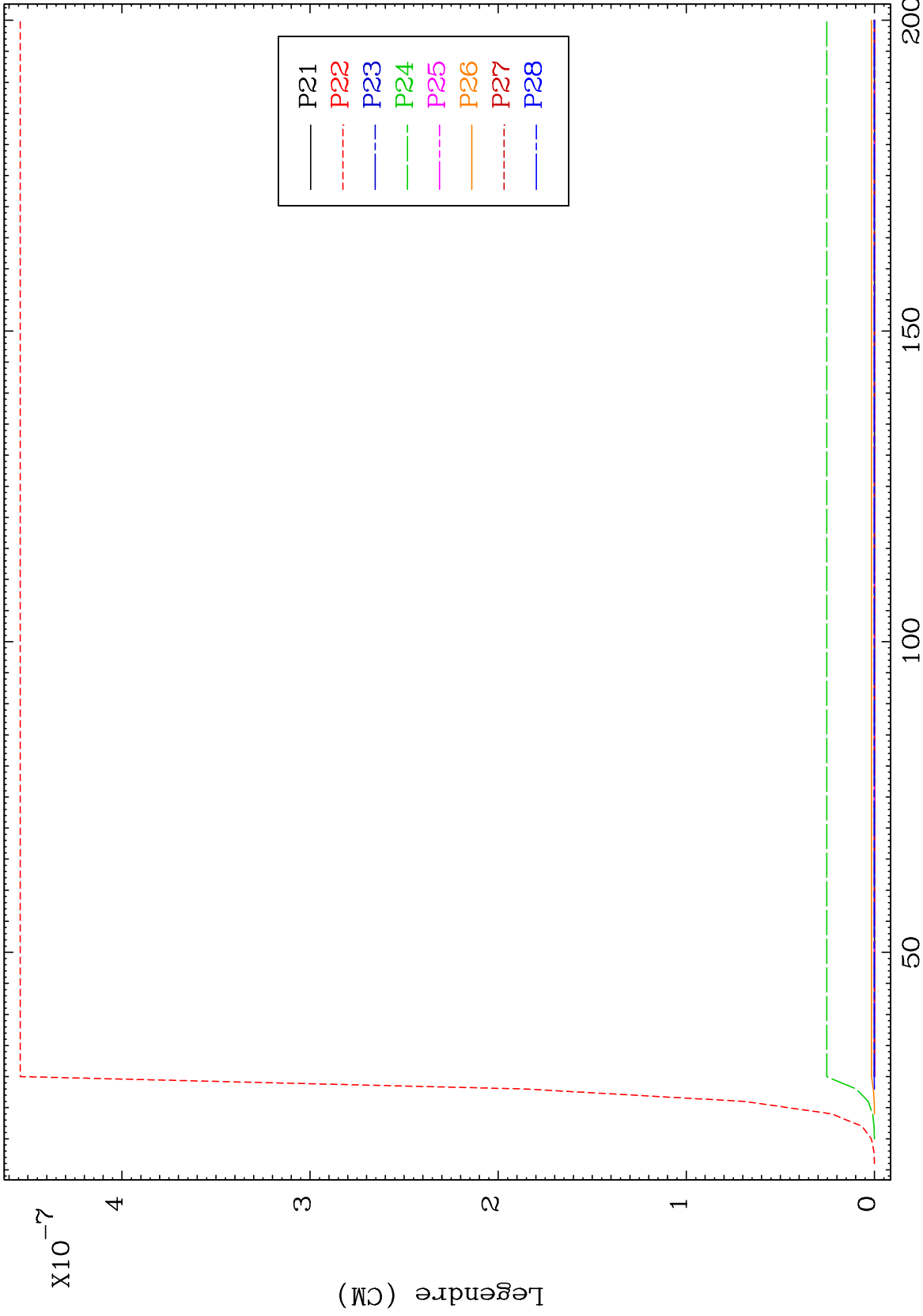
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

56-Ba-131



77

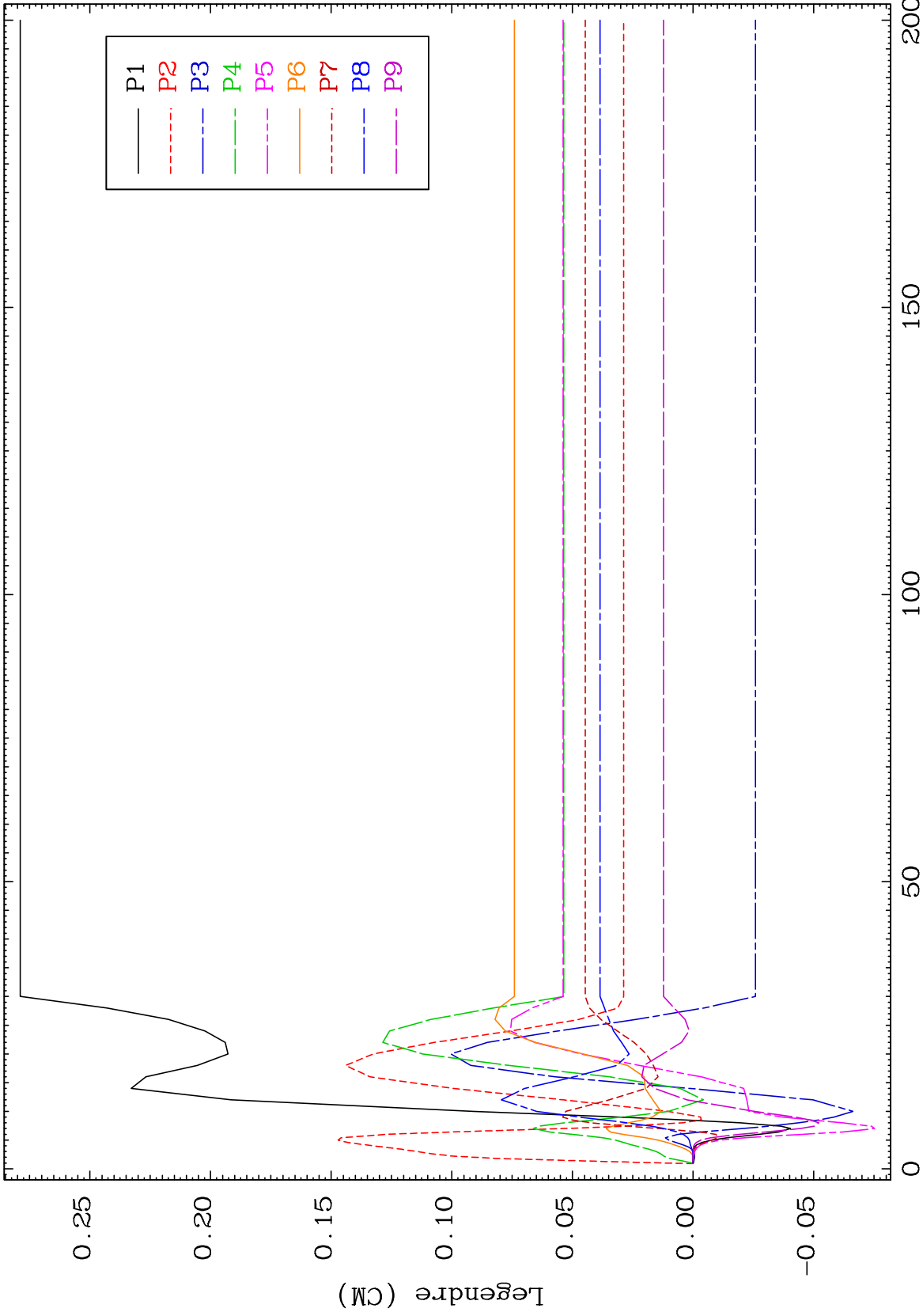
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

56-Ba-131

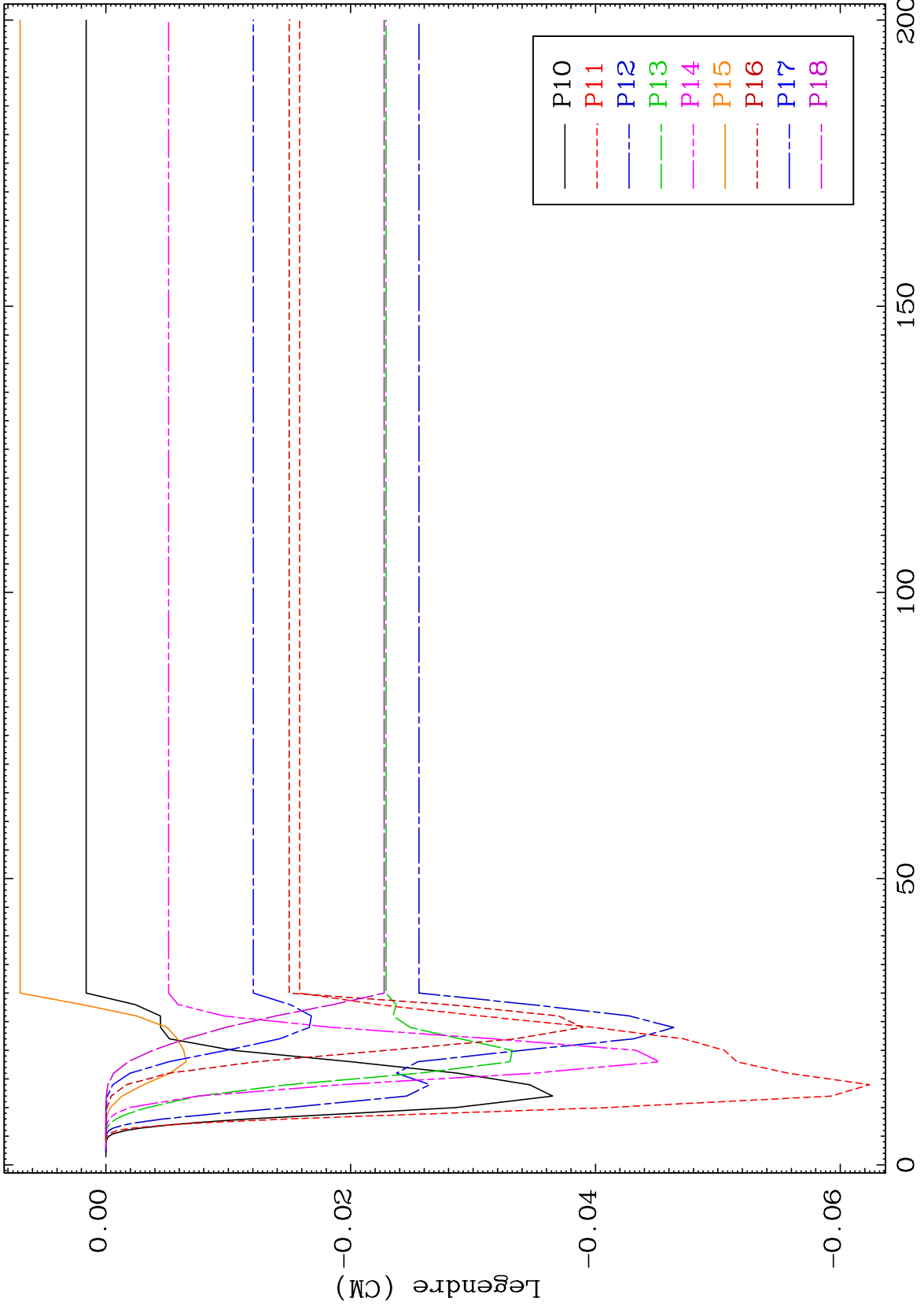


78

Incident Energy (MeV)

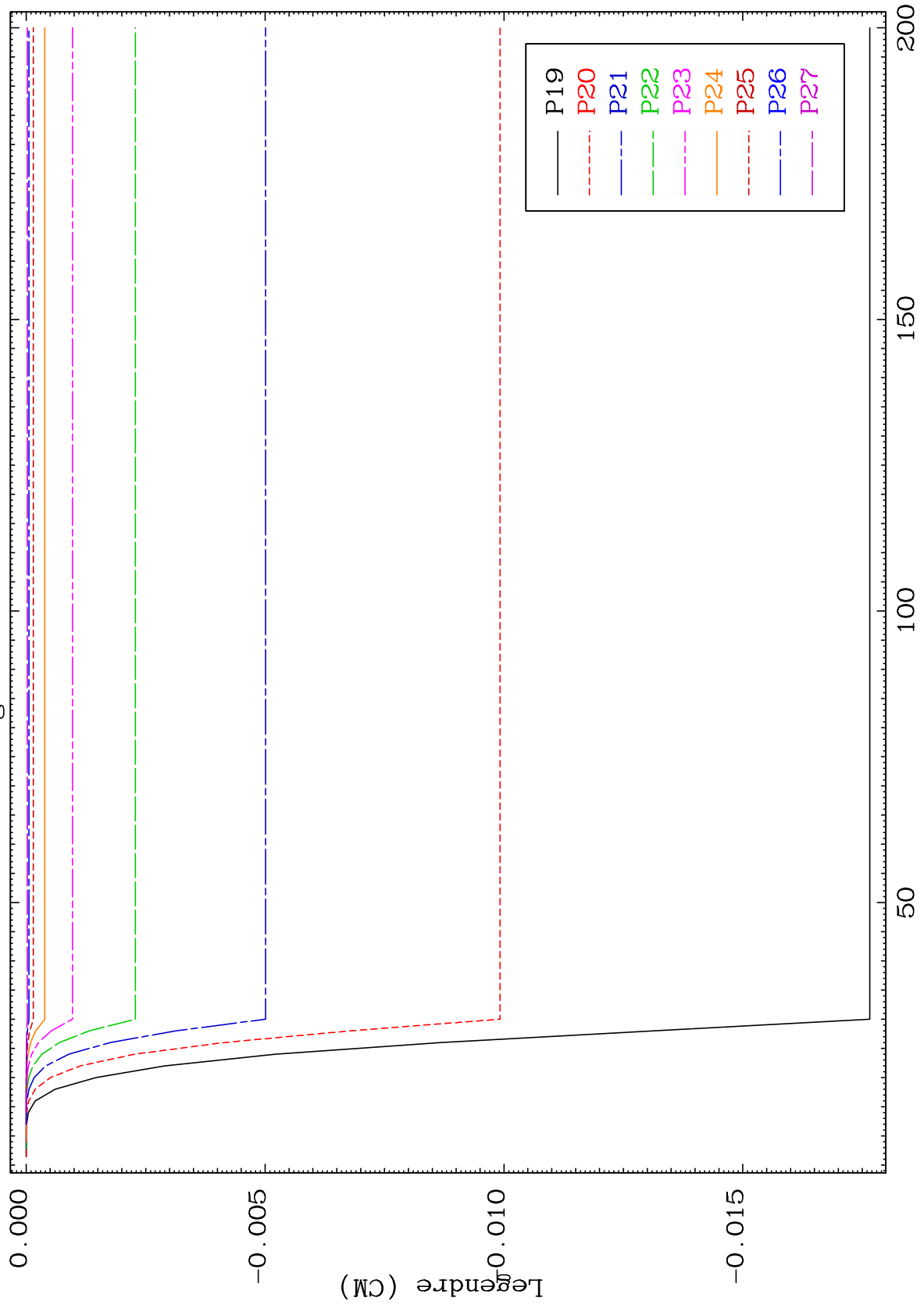
56-Ba-131

MAT 5628 MT= 68 (n,n') Level Legendre Coefficients 56-Ba-131



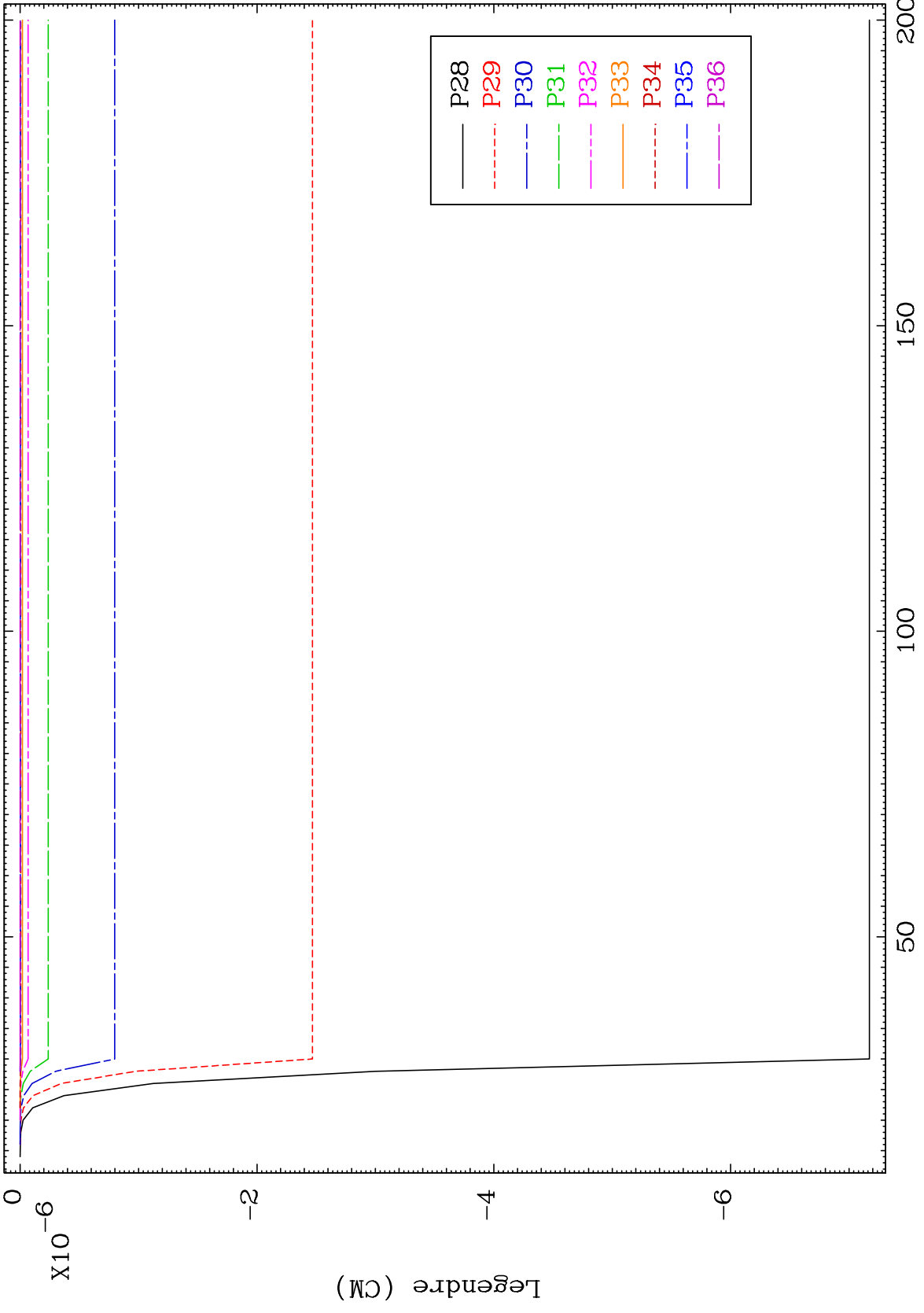
79 56-Ba-131

MAT 5628 MT= 68 (n,n') Level Legendre Coefficients 56-Ba-131



80 50 100 150 200 Incident Energy (MeV) 56-Ba-131

MAT 5628 MT= 68 (n,n') Level Legendre Coefficients 56-Ba-131

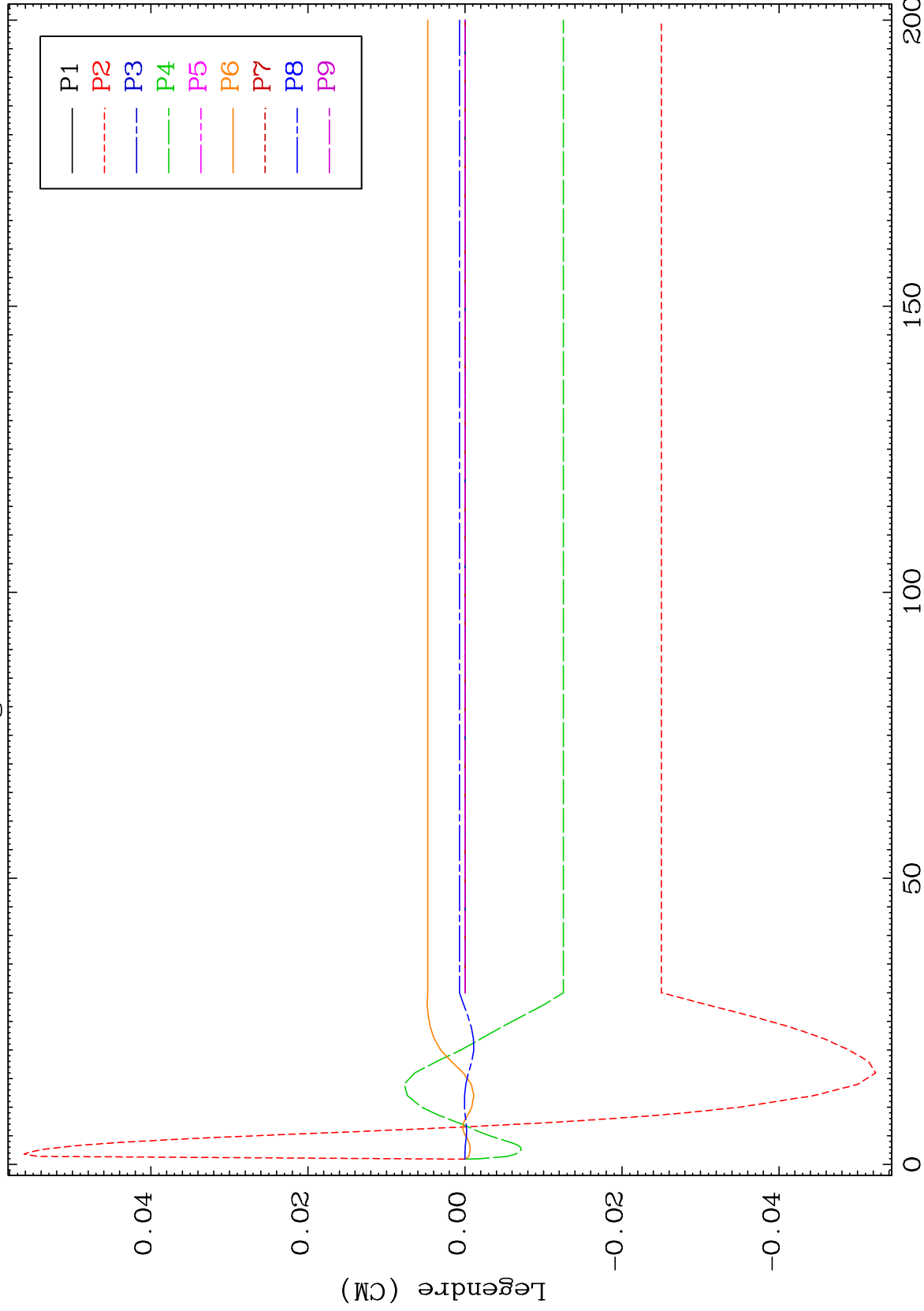


81 Incident Energy (MeV) 56-Ba-131

MAT 5628

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

56-Ba-131



82

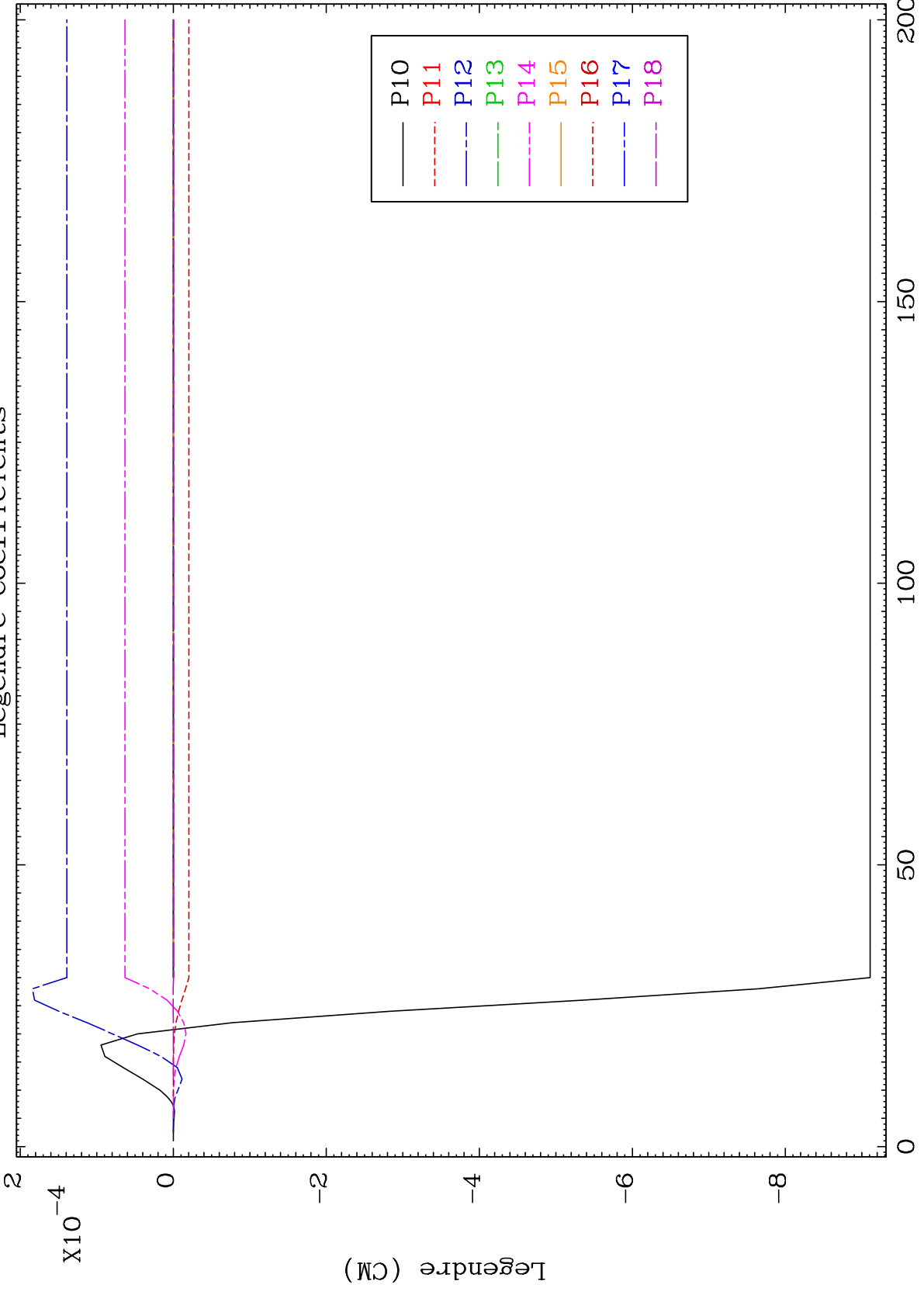
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

56-Ba-131

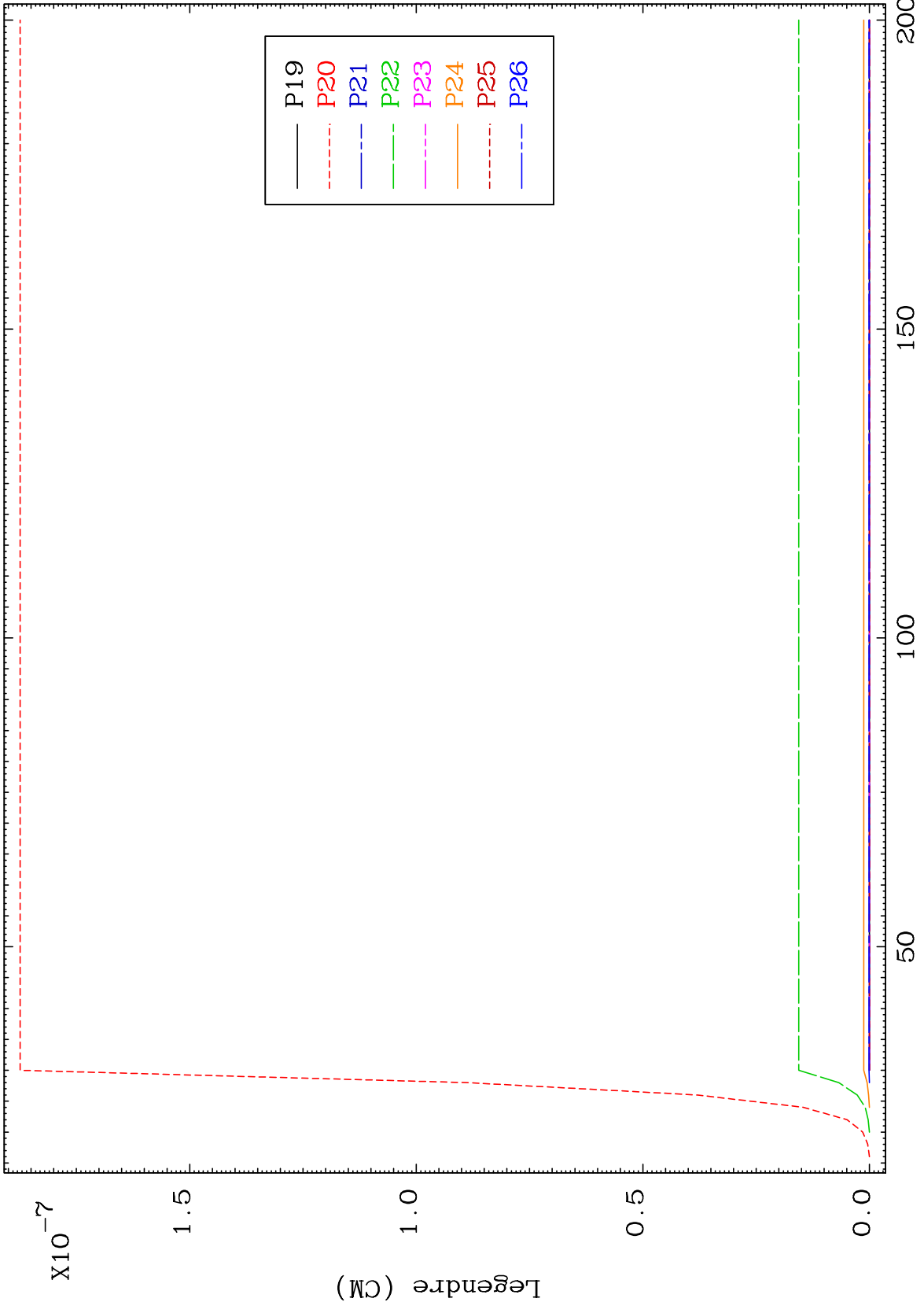


83

Incident Energy (MeV)

56-Ba-131

MAT 5628 MT= 69 (n,n') Level Legendre Coefficients 56-Ba-131

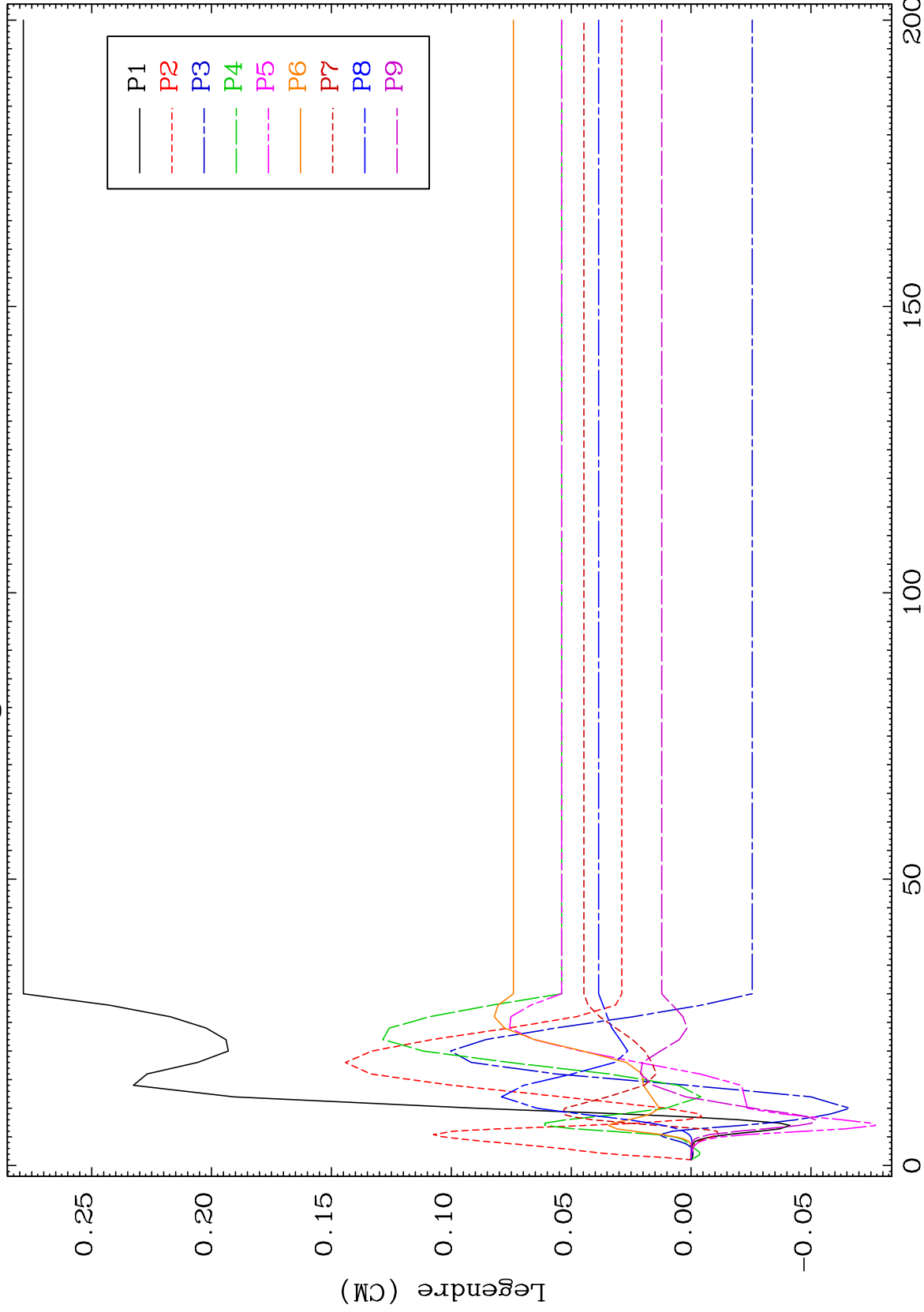


84 56-Ba-131

MAT 5628

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

56-Ba-131

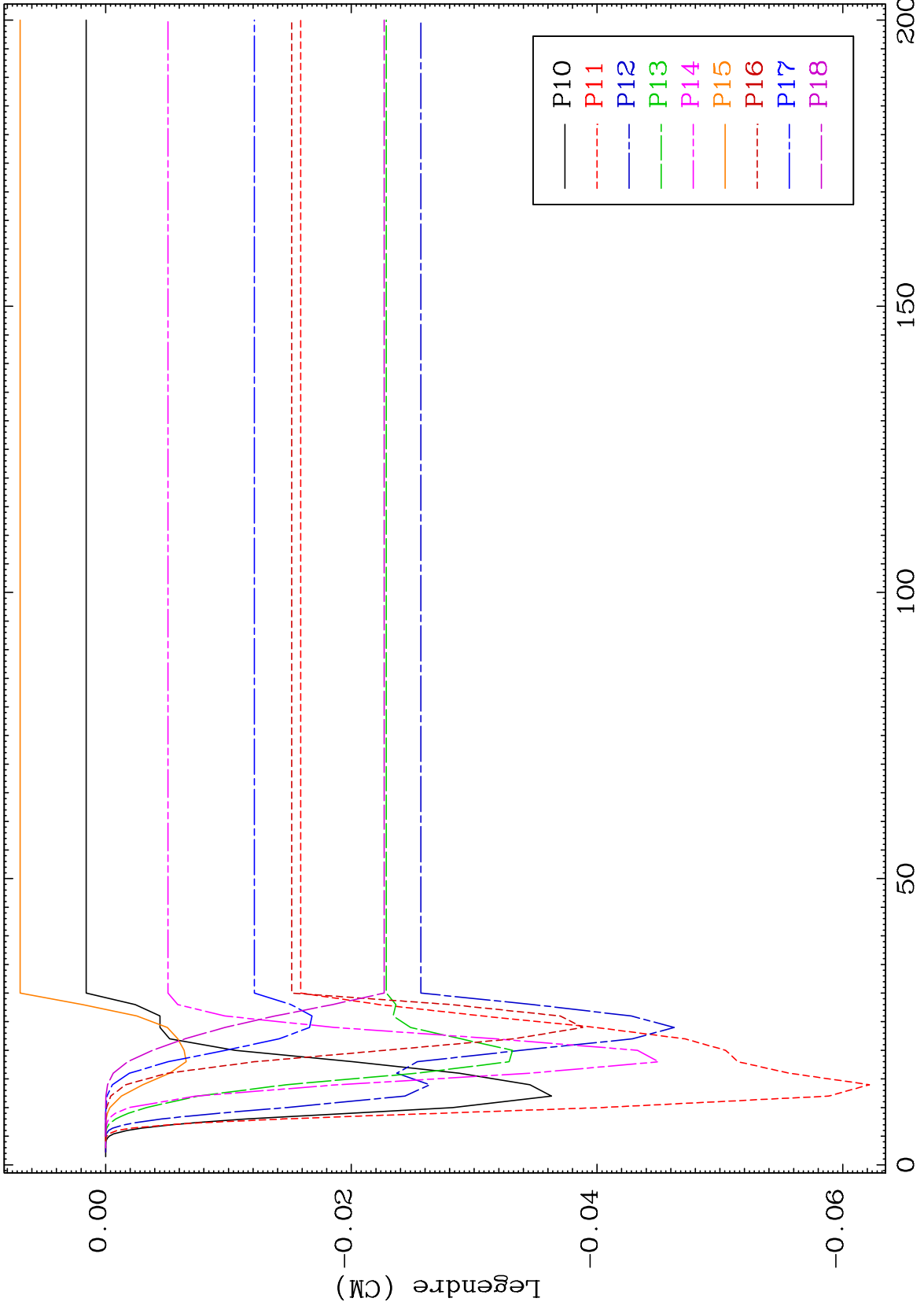


85

Incident Energy (MeV)

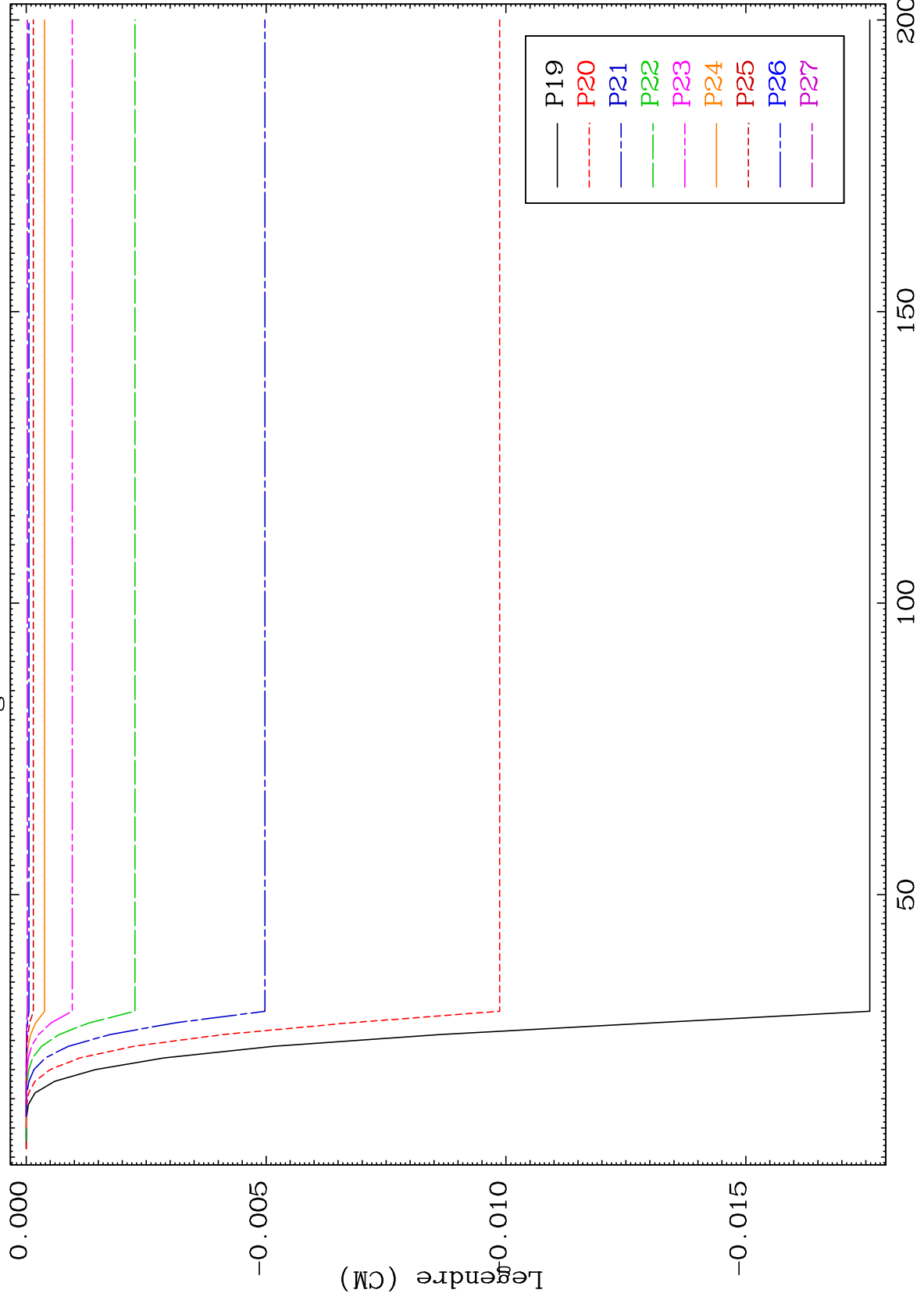
56-Ba-131

MAT 5628 MT= 70 (n,n') Level Legendre Coefficients 56-Ba-131



86 56-Ba-131

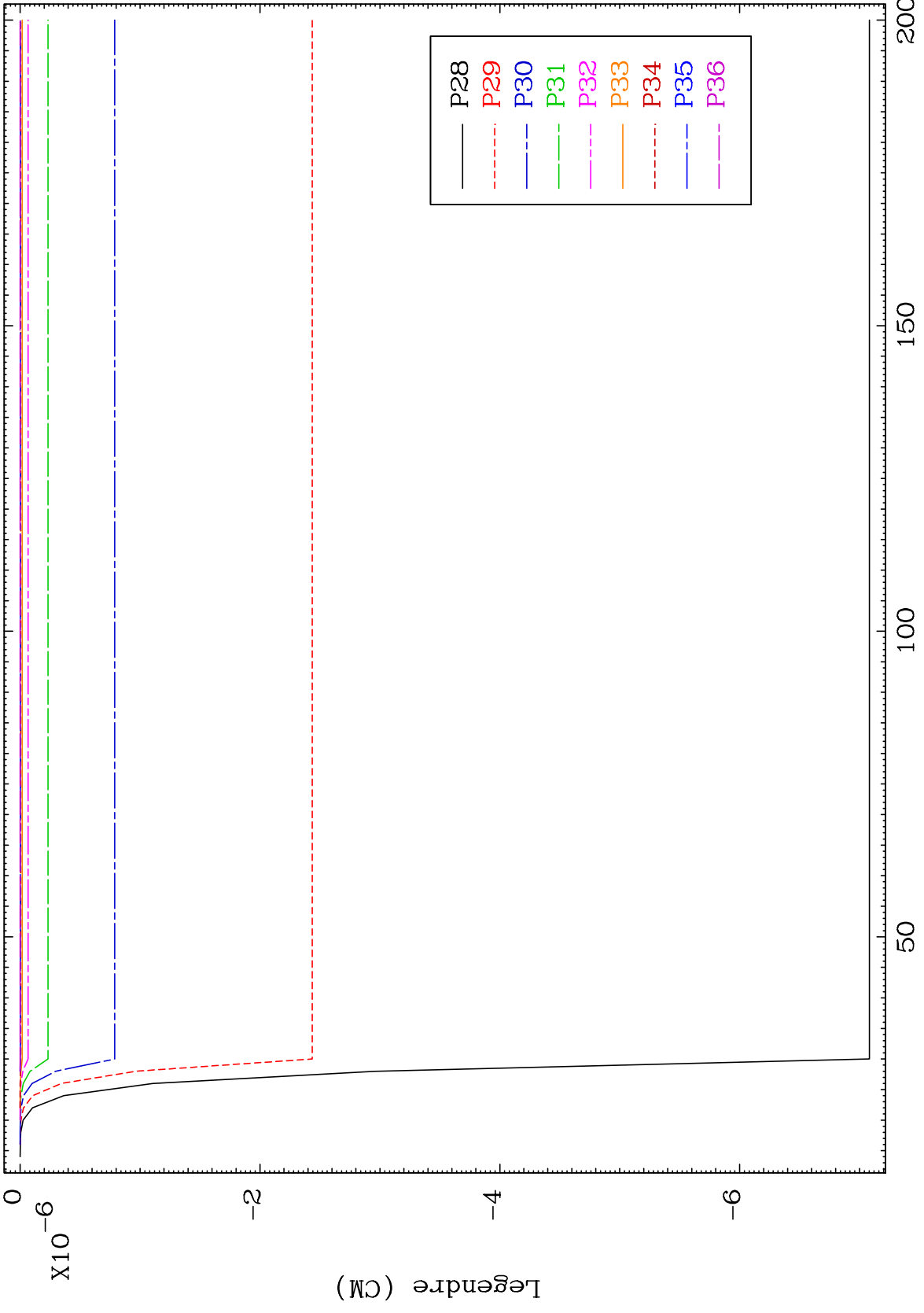
MAT 5628 MT= 70 (n,n') Level Legendre Coefficients 56-Ba-131



87 56-Ba-131

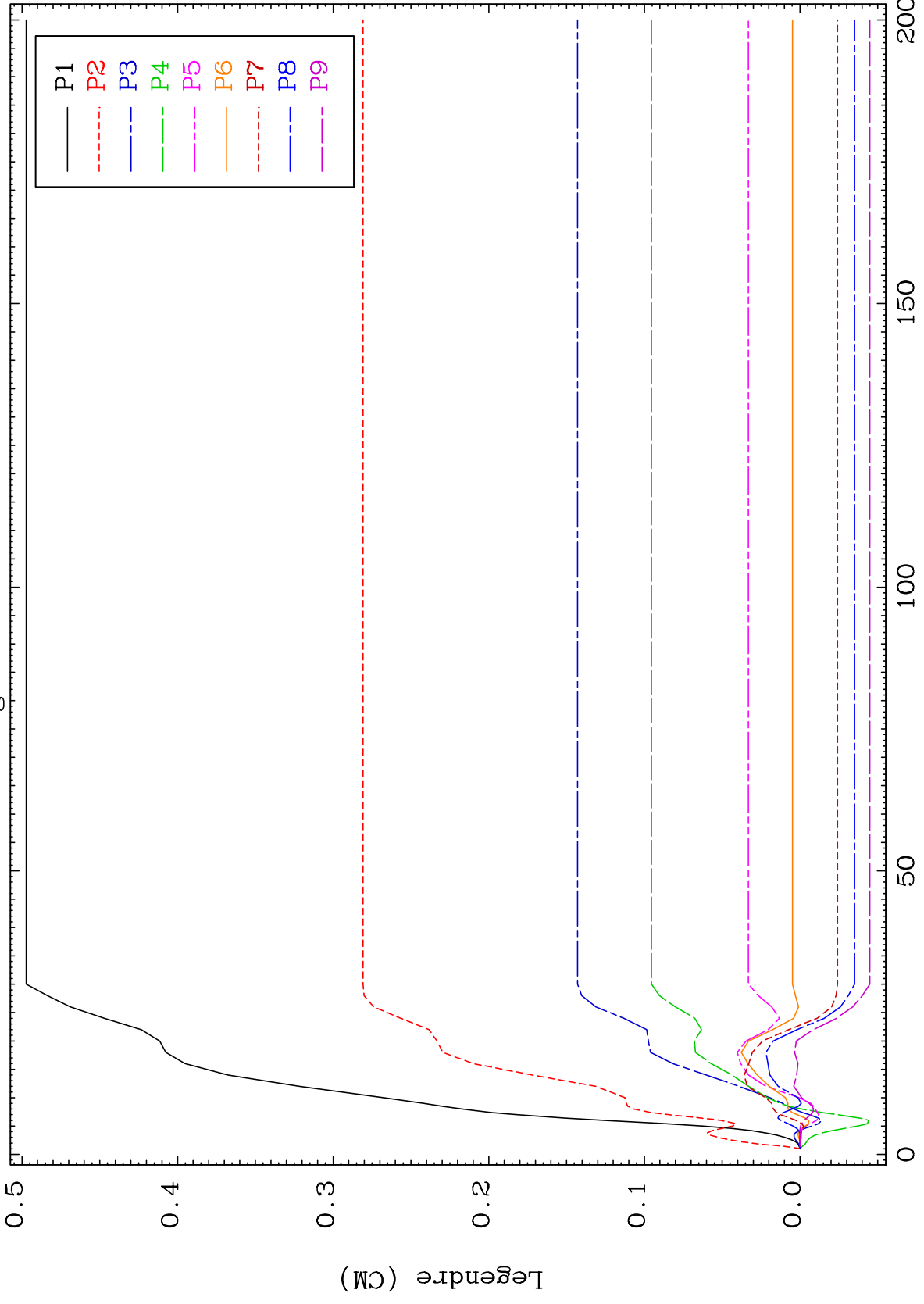
MAT 5628 MT= 70 (n,n') Level 56-Ba-131

Legendre Coefficients



88 56-Ba-131

MAT 5628 MT= 71 (n,n') Level Legendre Coefficients 56-Ba-131

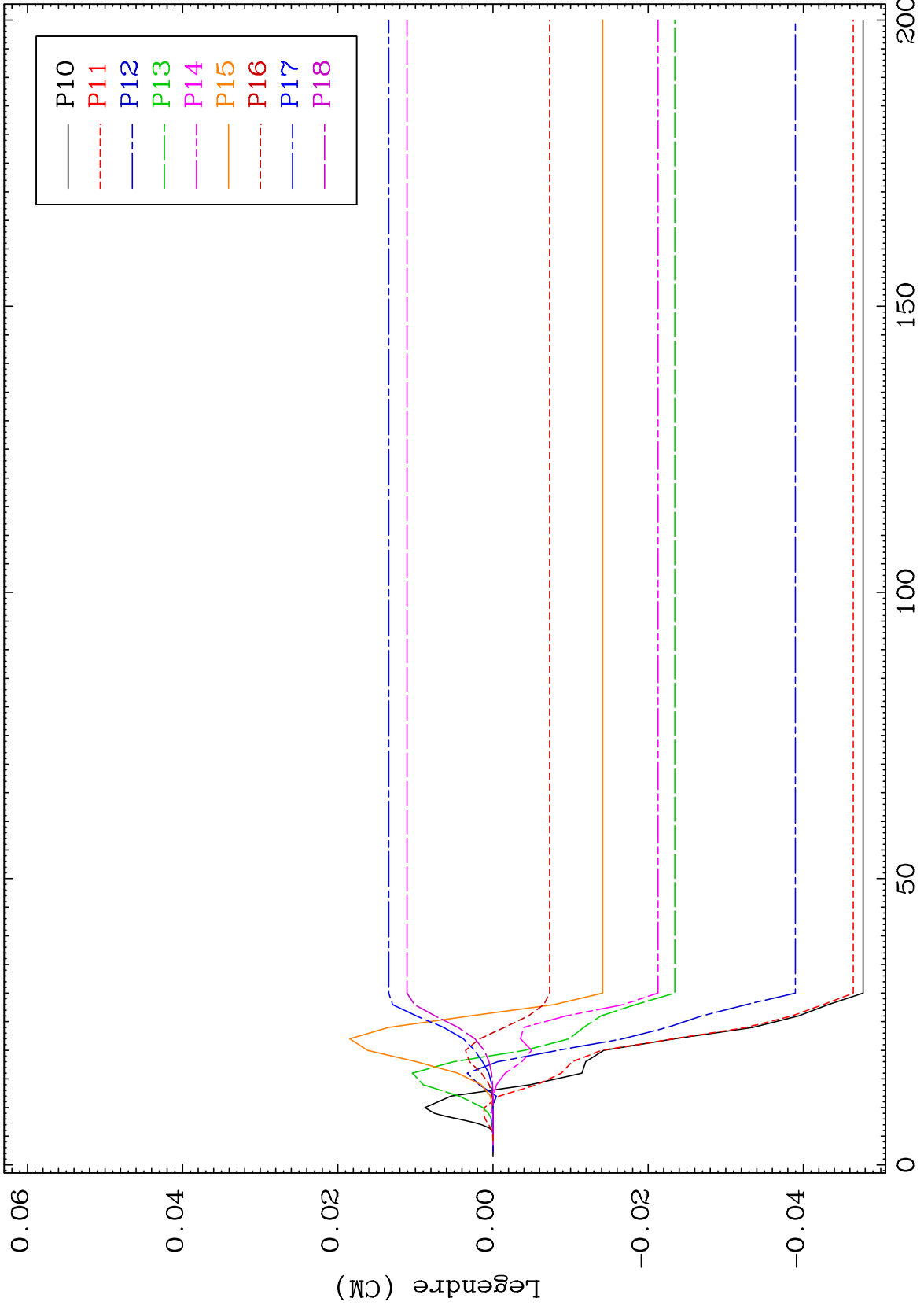


89 56-Ba-131

MAT 5628

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

56-Ba-131



90

Incident Energy (MeV)

56-Ba-131

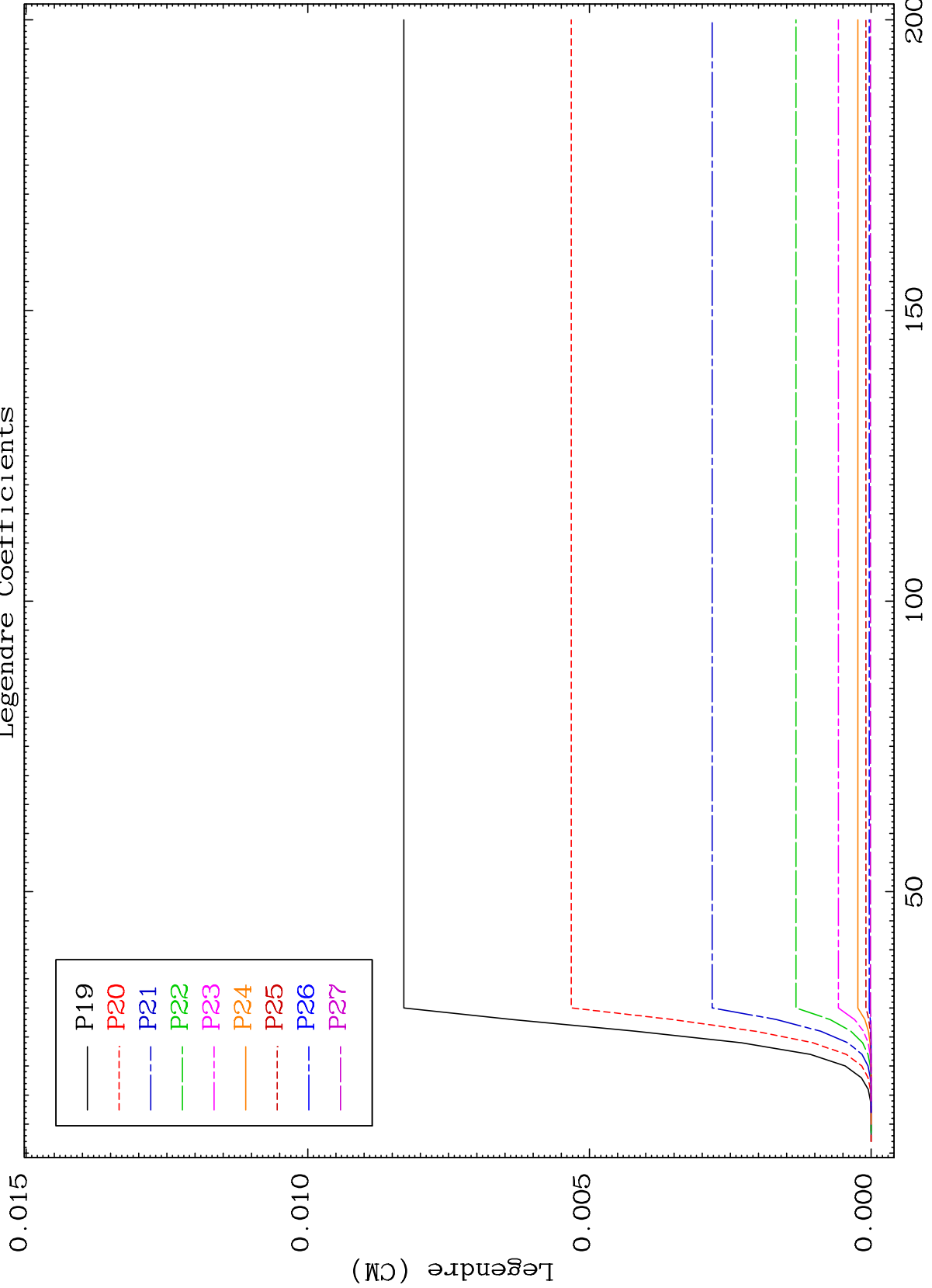
MAT 5628 MT= 71 (n,n') Level Legendre Coefficients

56-Ba-131

56-Ba-131

Incident Energy (MeV)

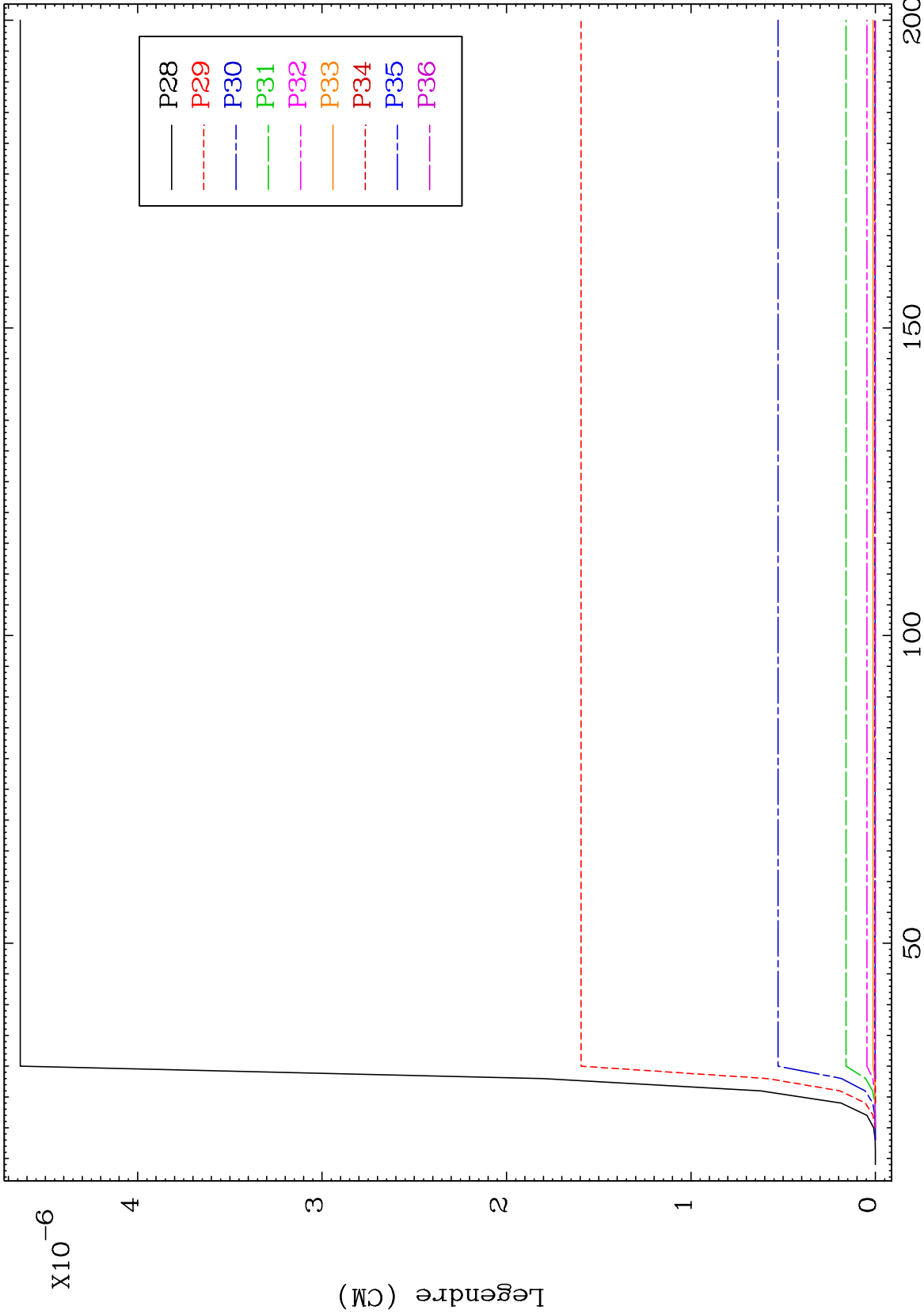
91



MAT 5628

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

56-Ba-131



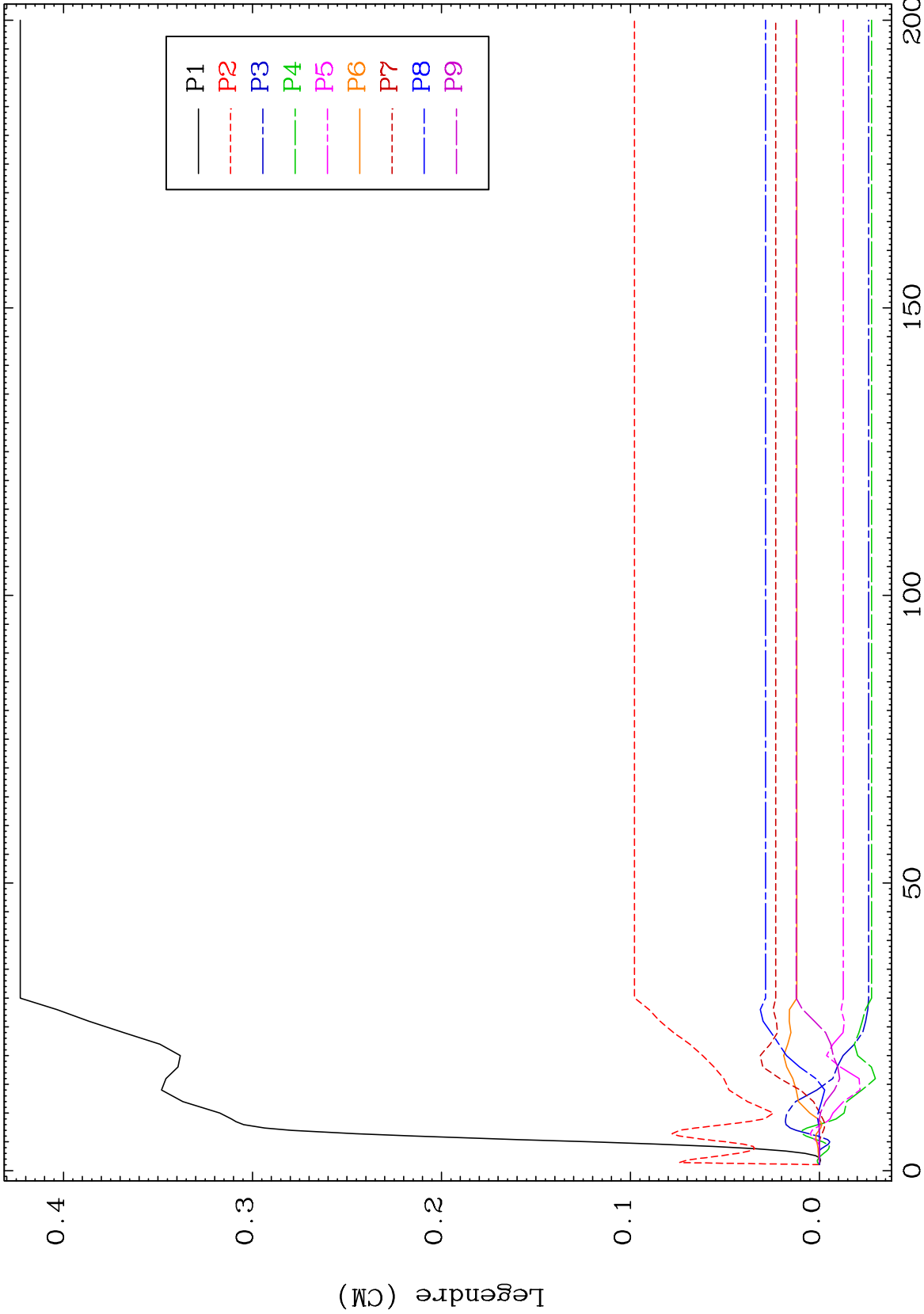
92

56-Ba-131

MAT 5628

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

56-Ba-131



93

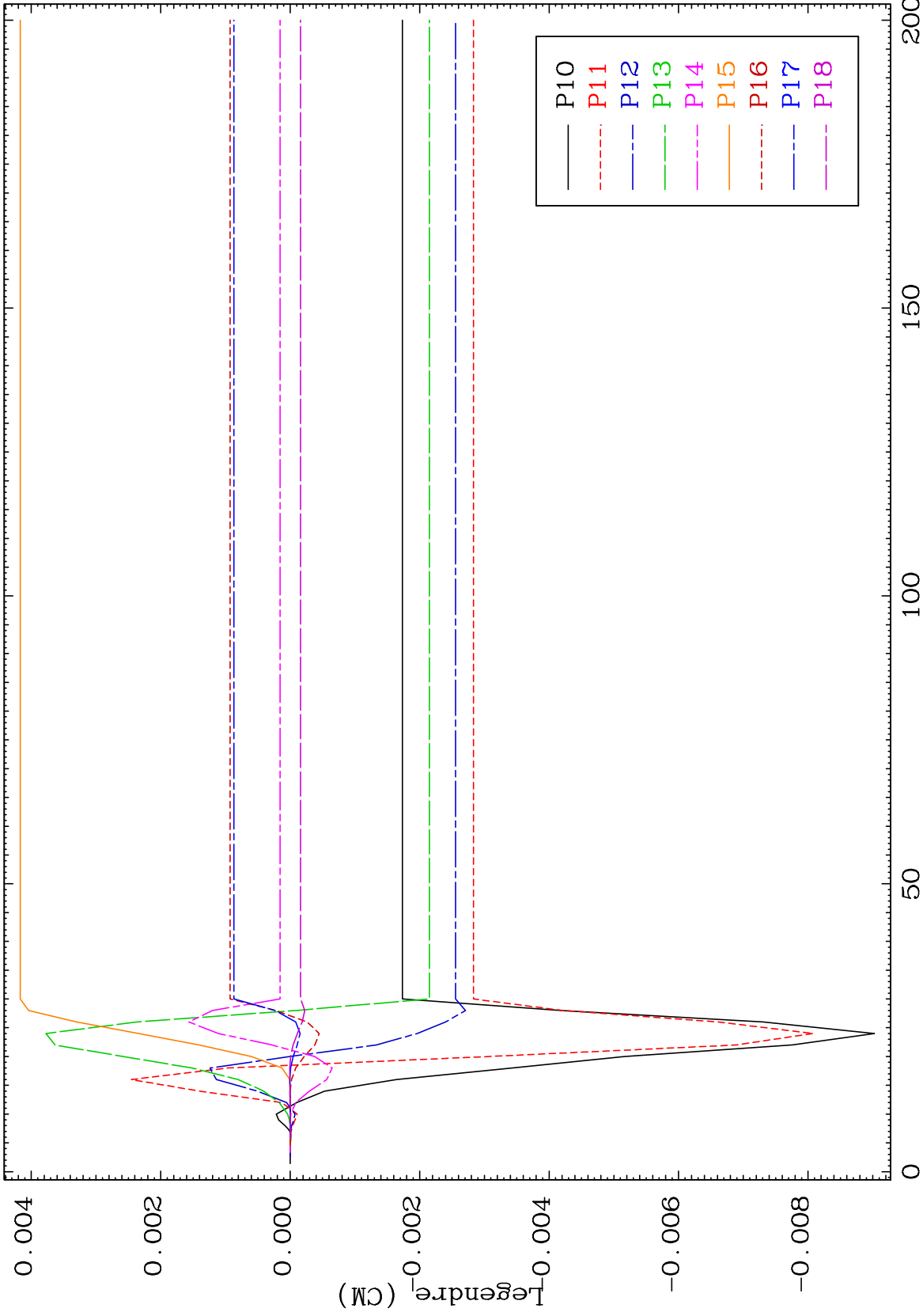
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

56-Ba-131



94

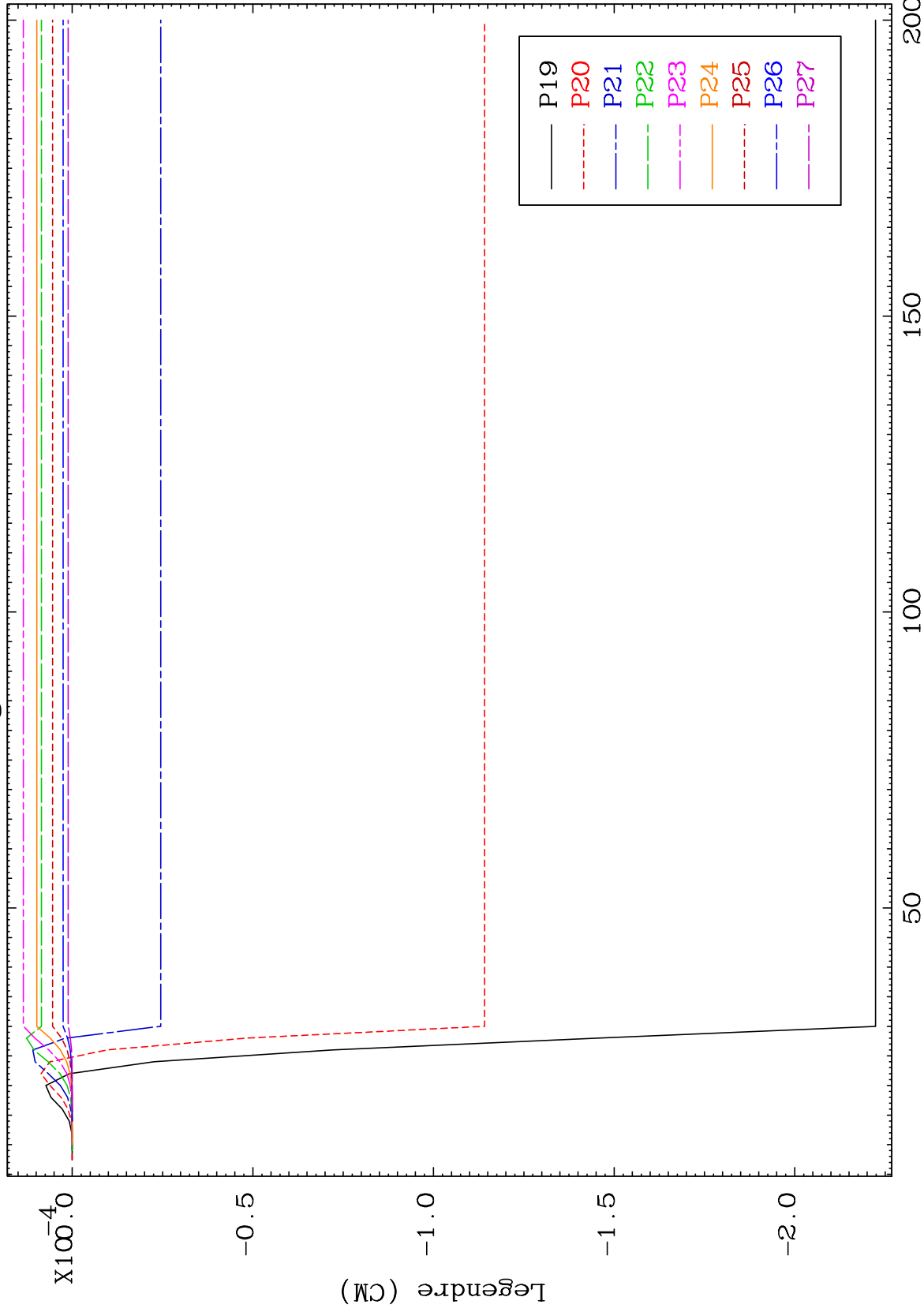
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

56-Ba-131



56-Ba-131

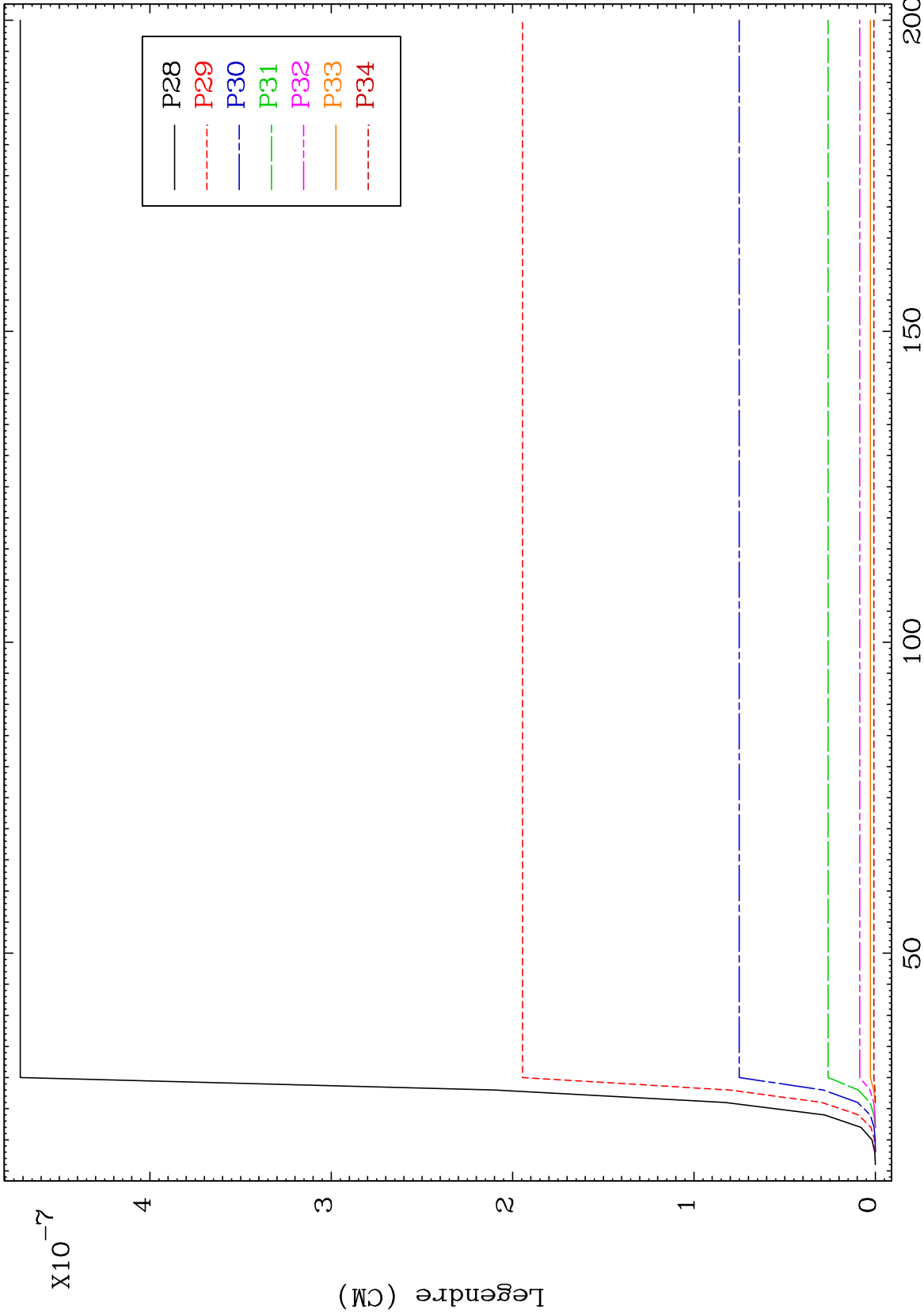
Incident Energy (MeV)

95

MAT 5628

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

56-Ba-131



96

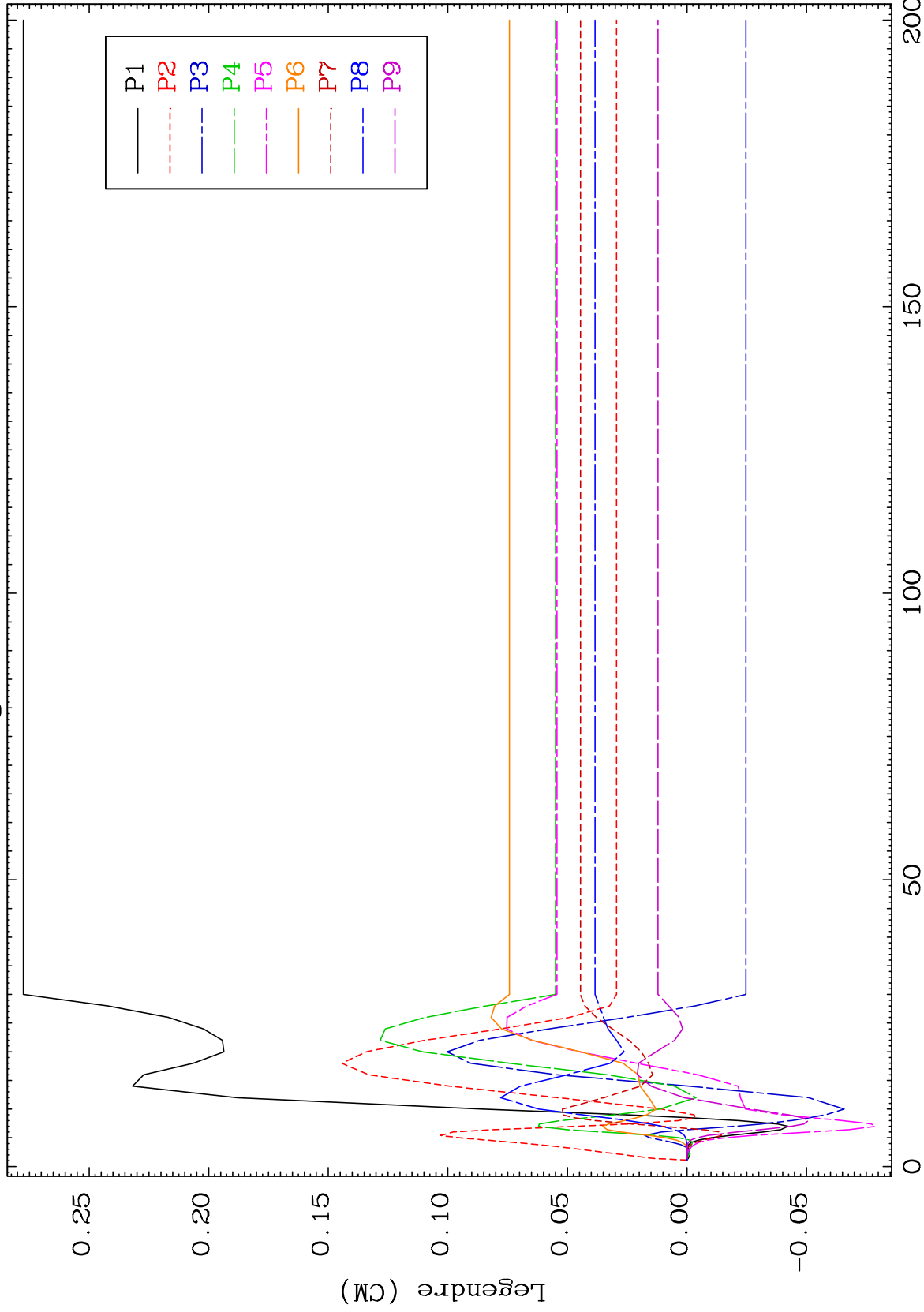
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

56-Ba-131



97

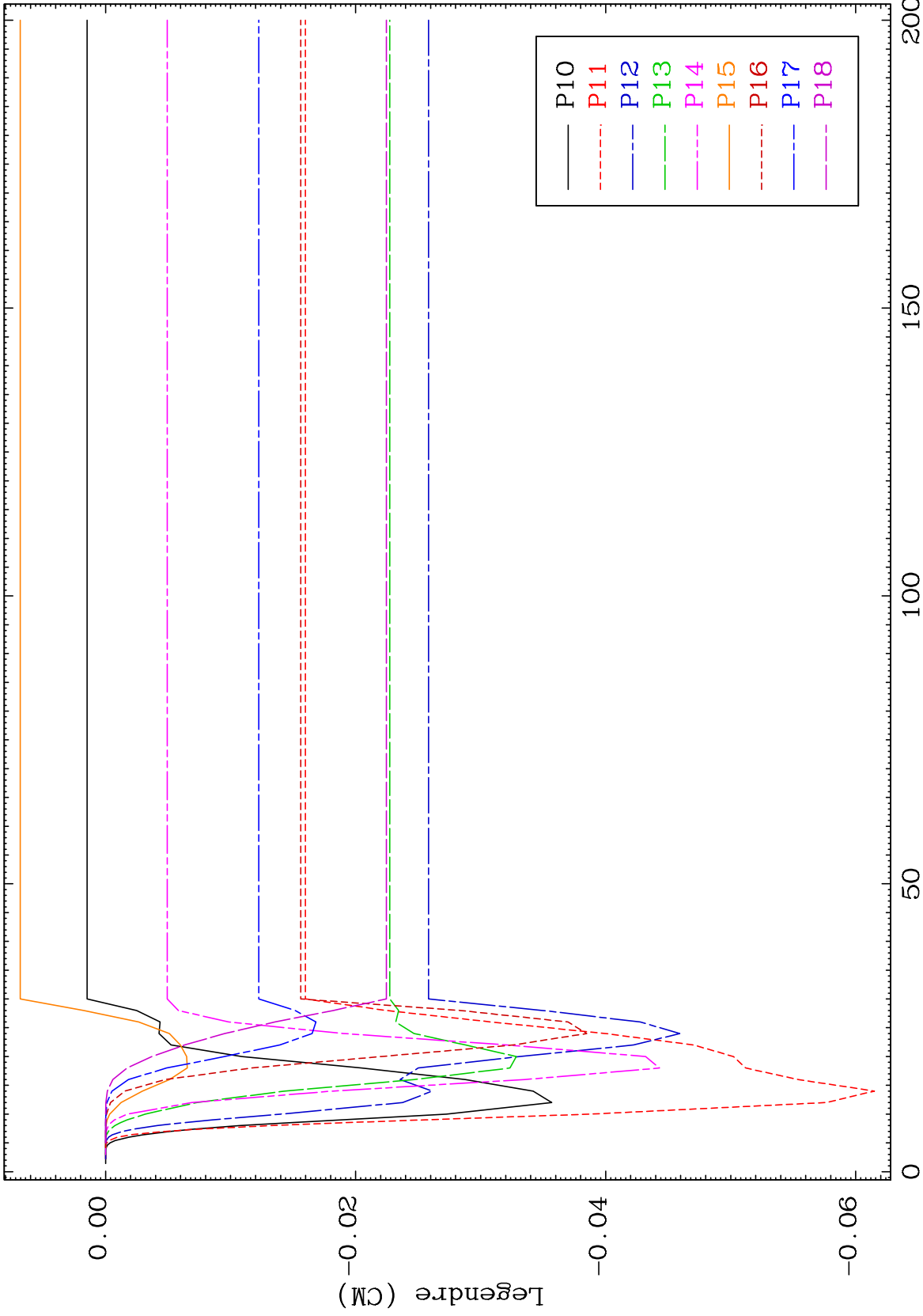
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

56-Ba-131

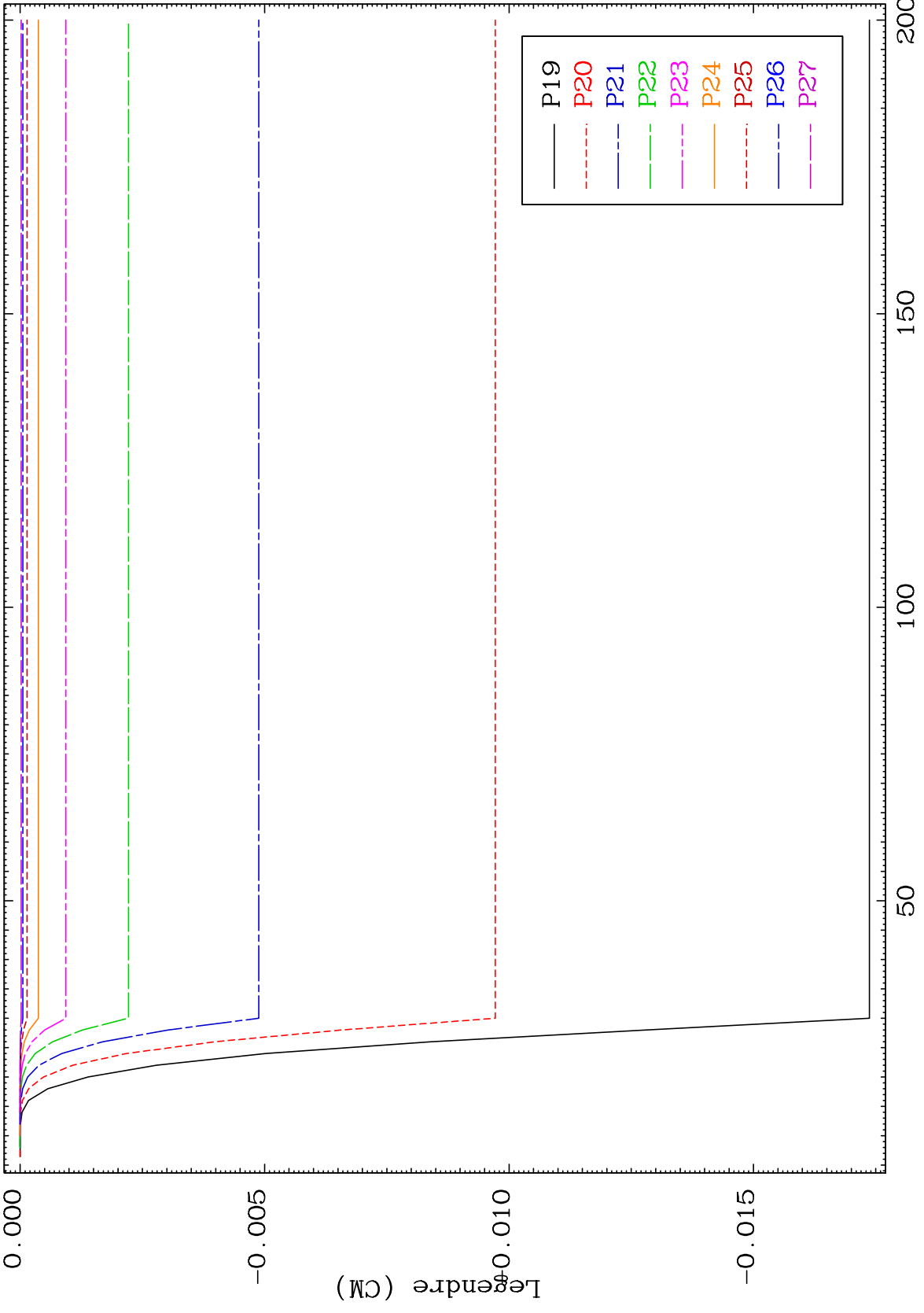


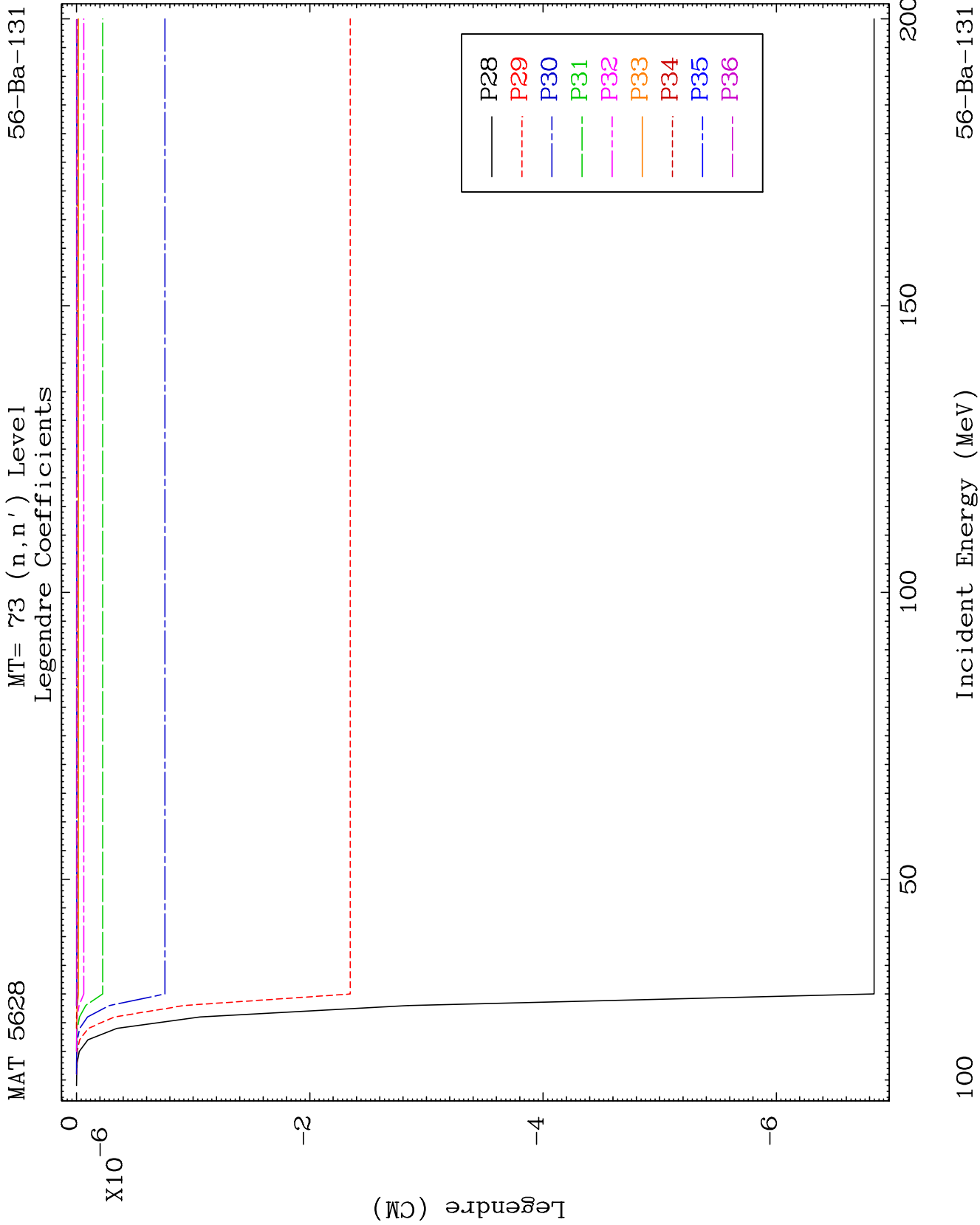
98

Incident Energy (MeV)

56-Ba-131

MAT 5628 MT= 73 (n,n') Level Legendre Coefficients 56-Ba-131

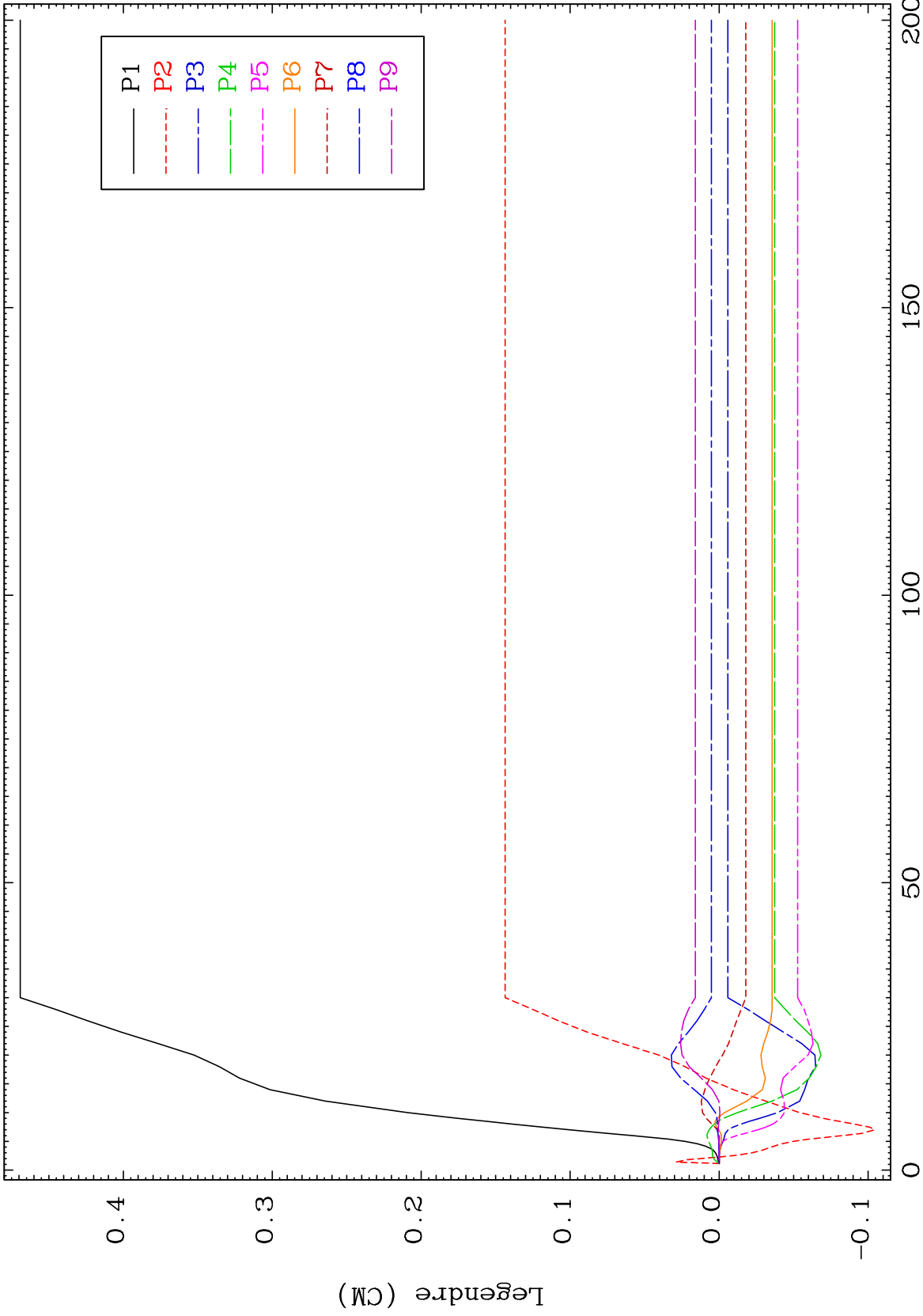




MAT 5628

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

56-Ba-131



56-Ba-131

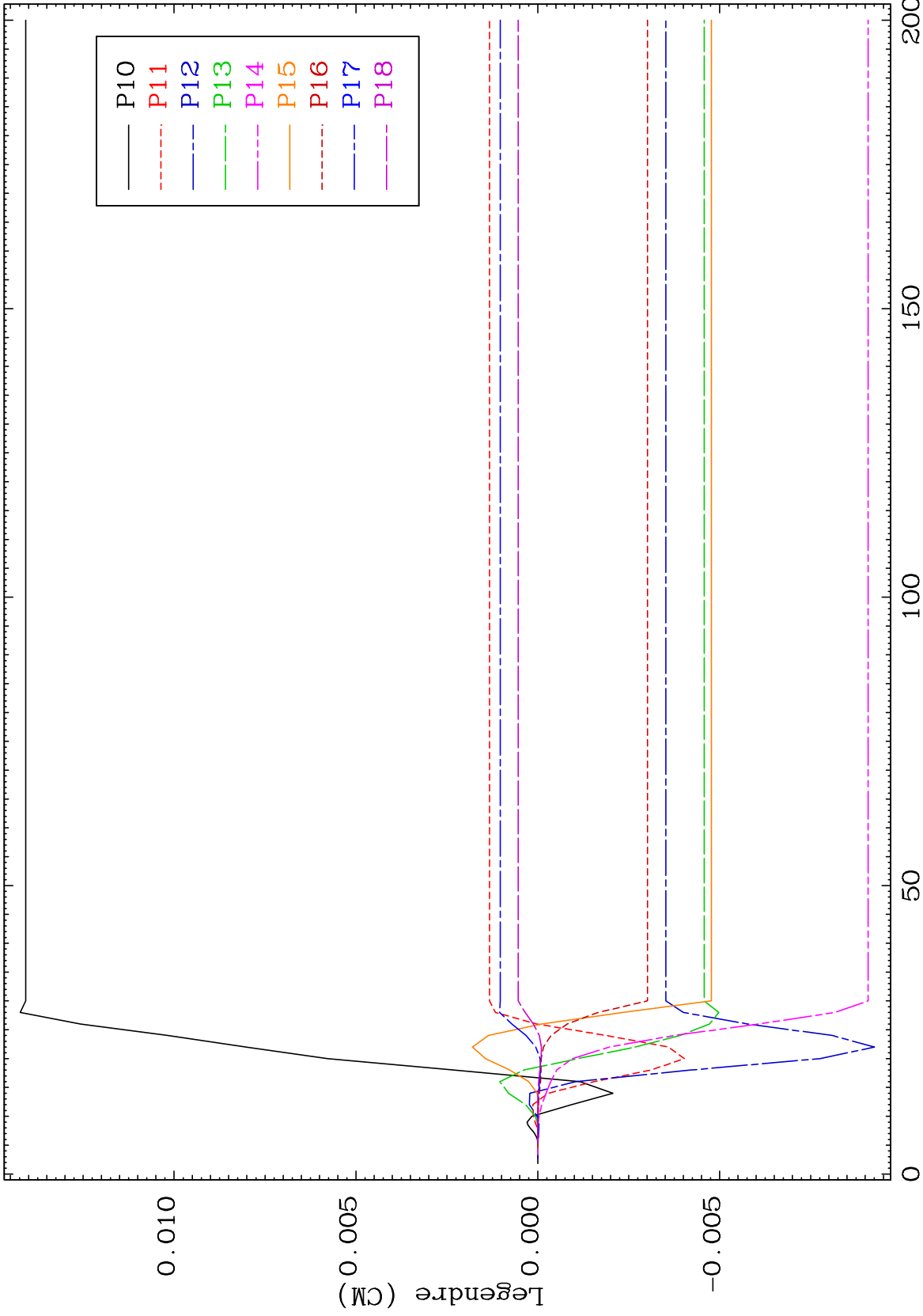
Incident Energy (MeV)

101

MAT 5628

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

56-Ba-131



102

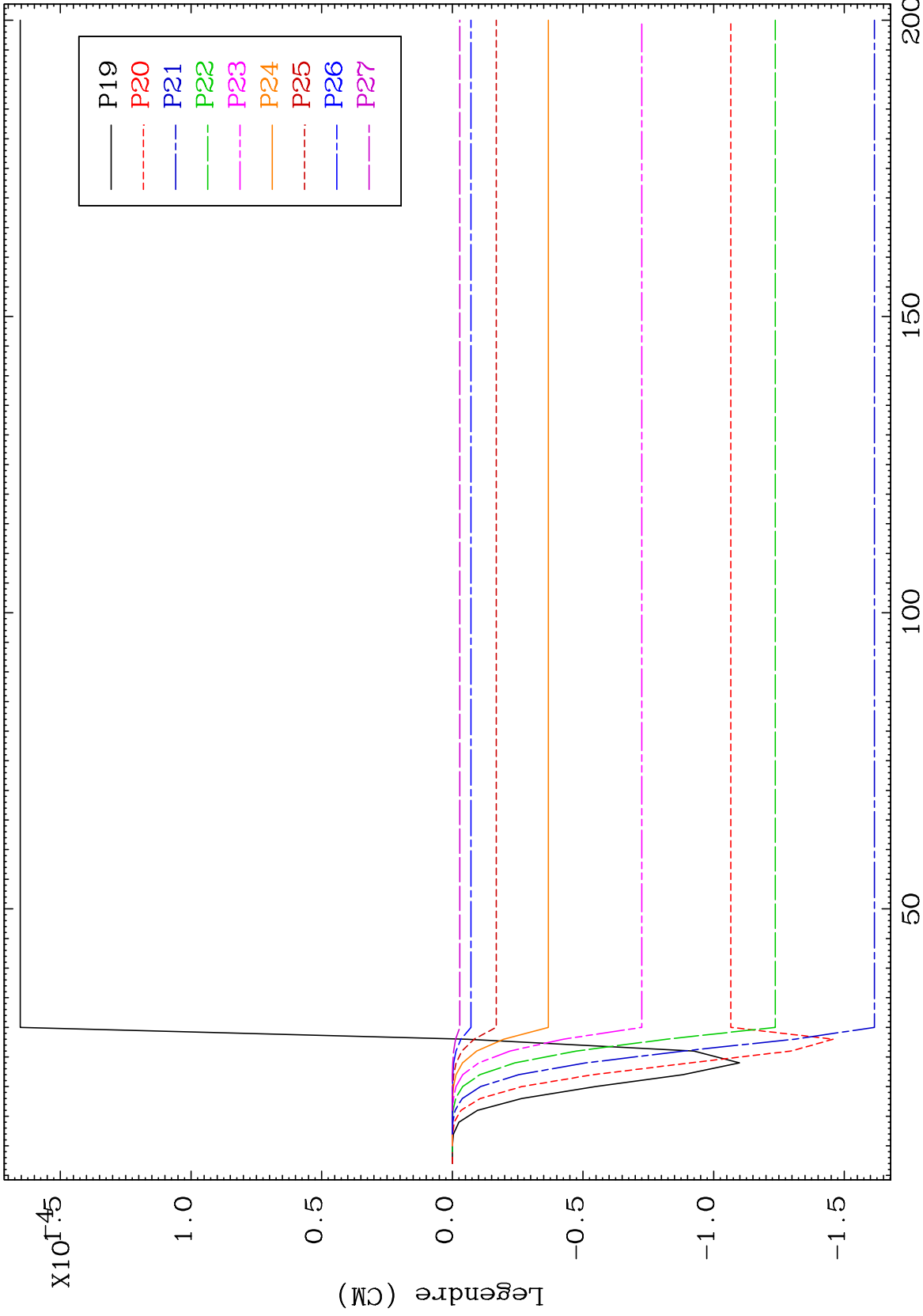
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

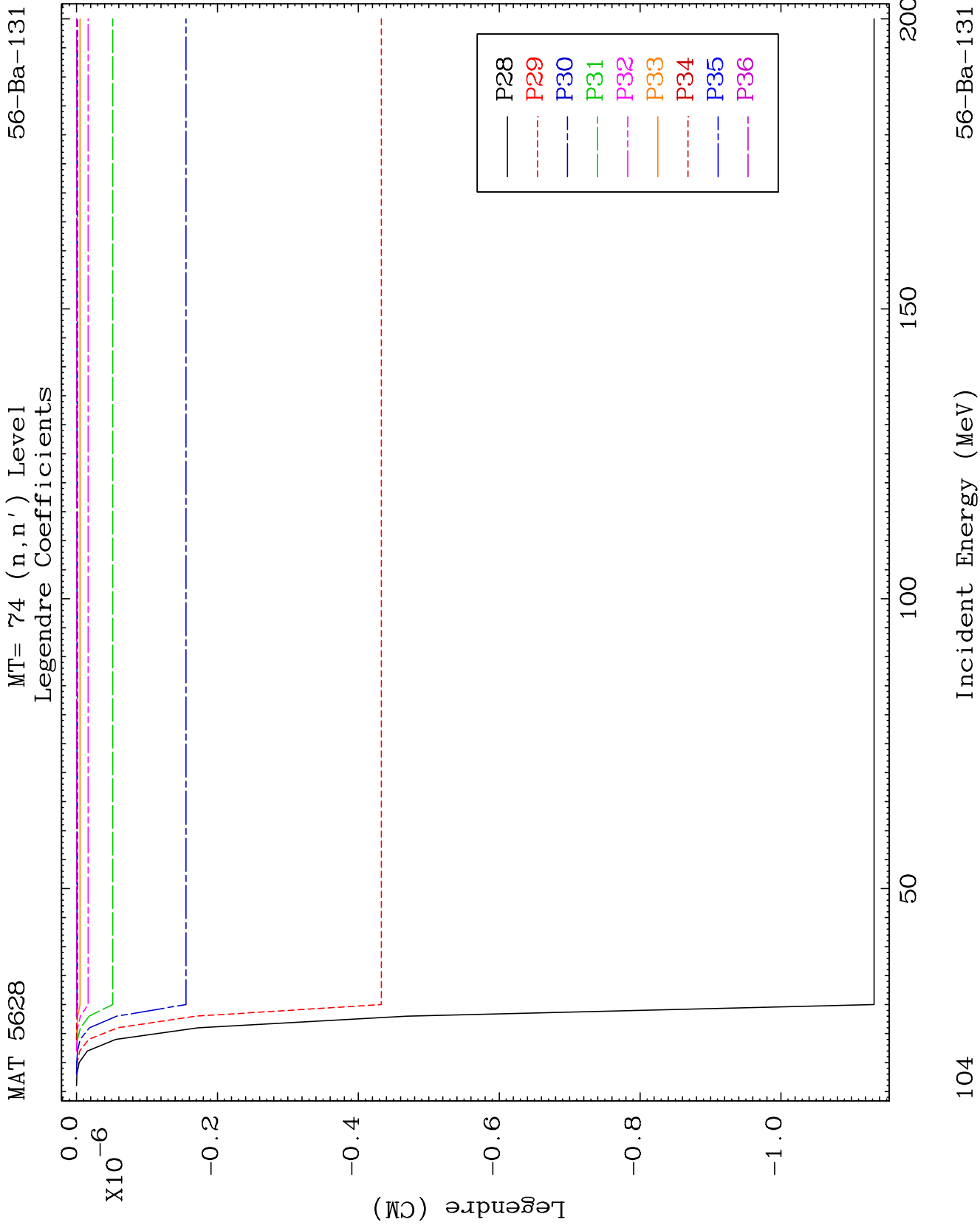
56-Ba-131



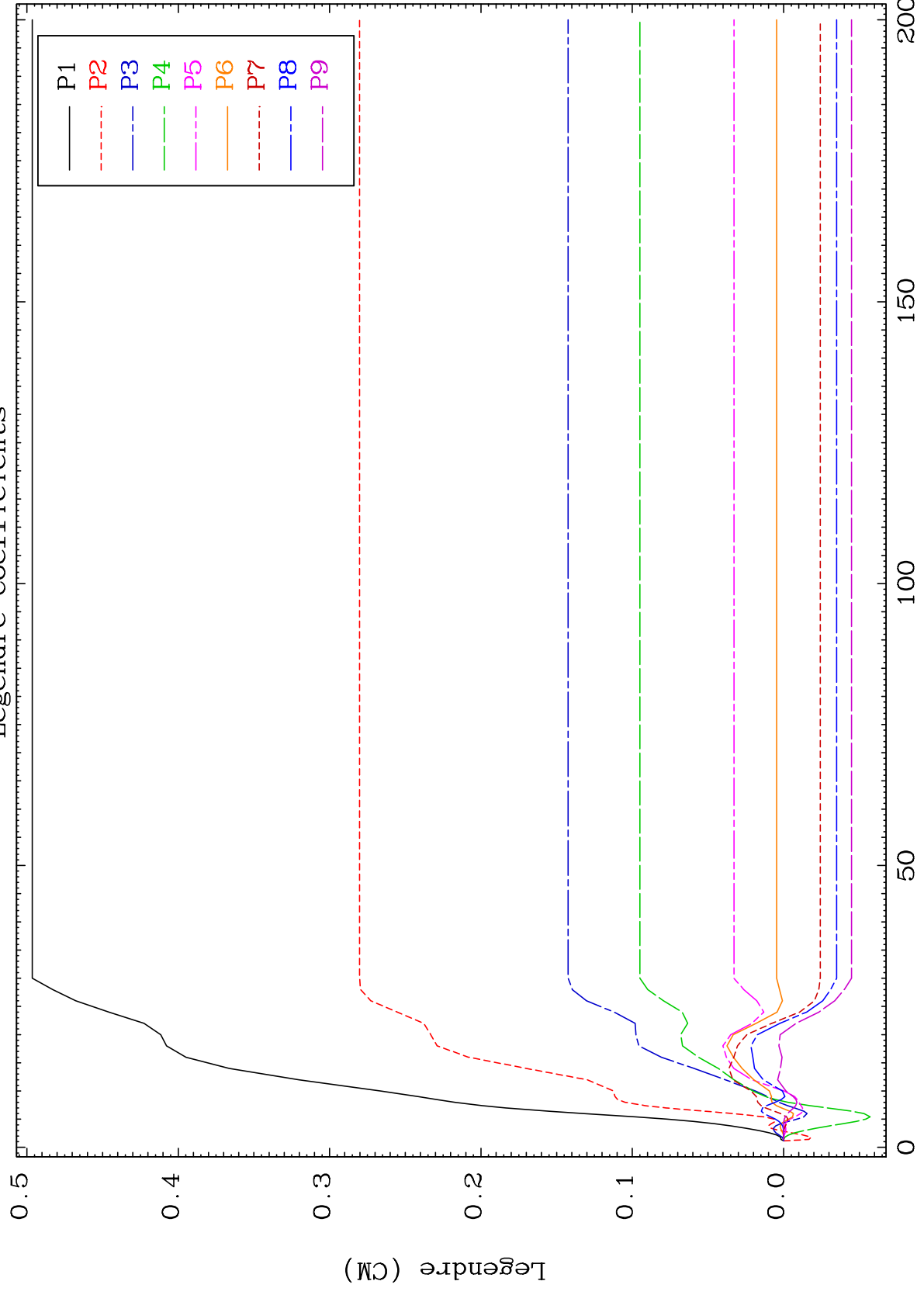
103

Incident Energy (MeV)

56-Ba-131



MAT 5628 MT= 75 (n,n') Level Legendre Coefficients 56-Ba-131

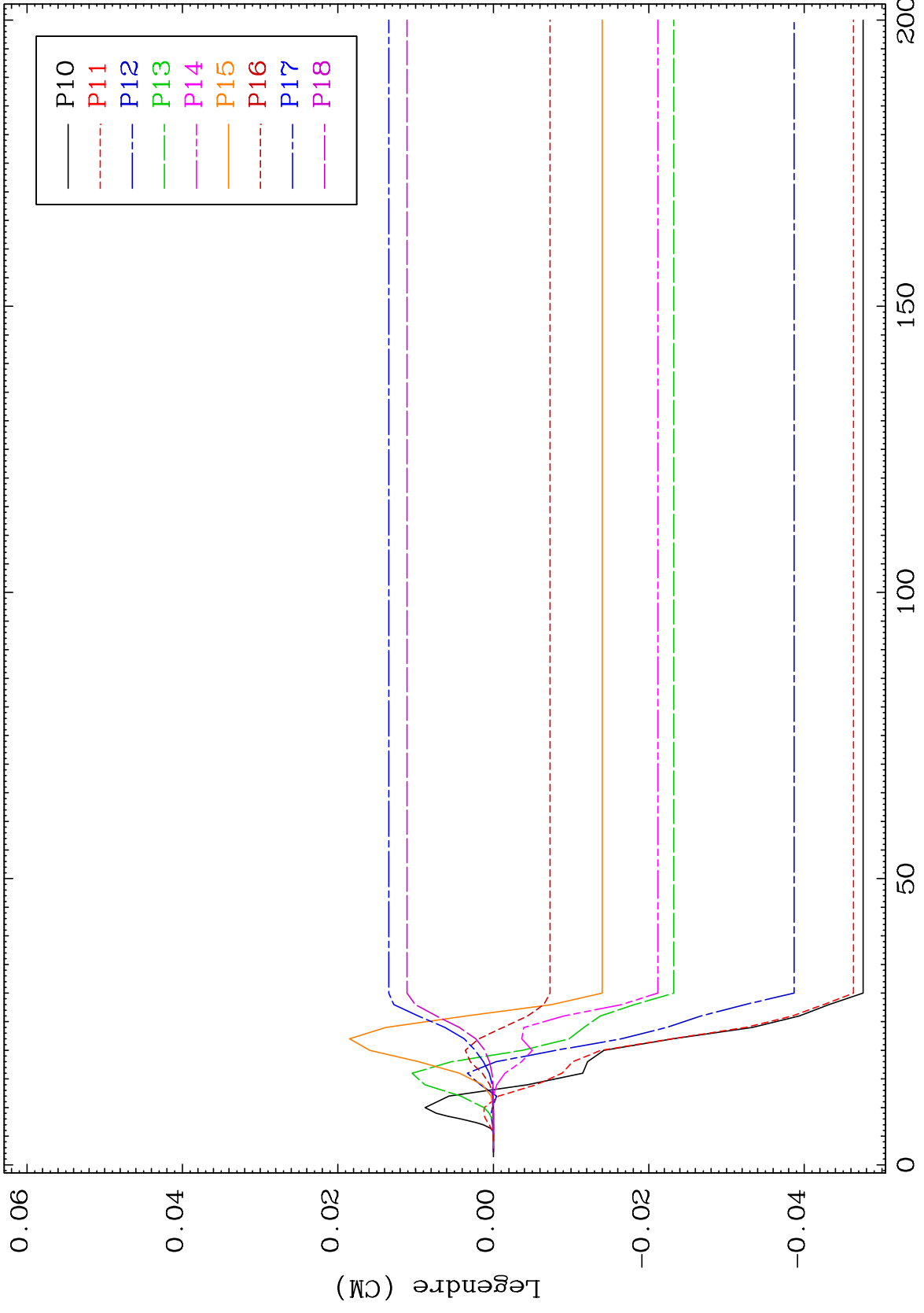


105 56-Ba-131

MAT 5628

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

56-Ba-131



106

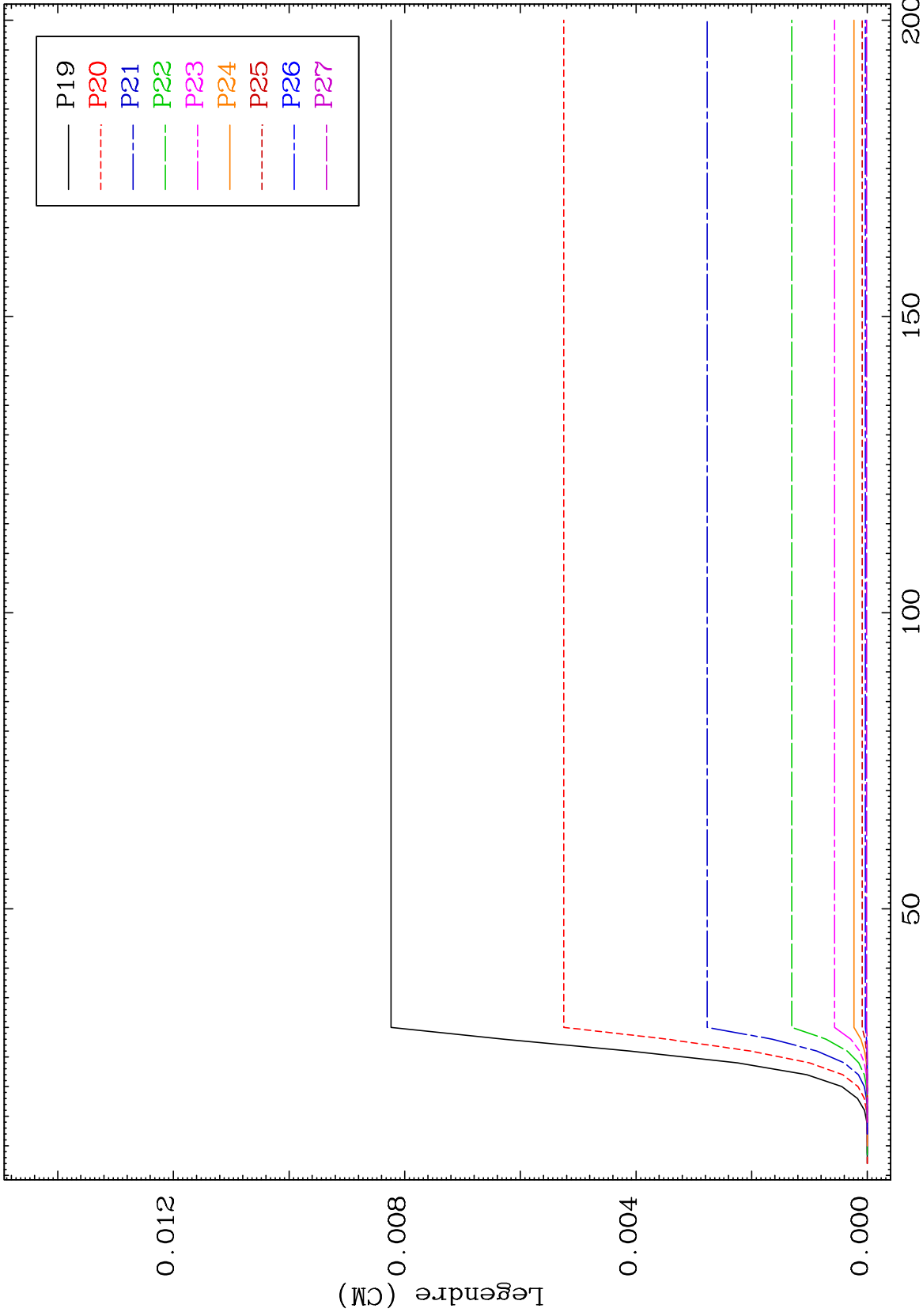
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

56-Ba-131



107

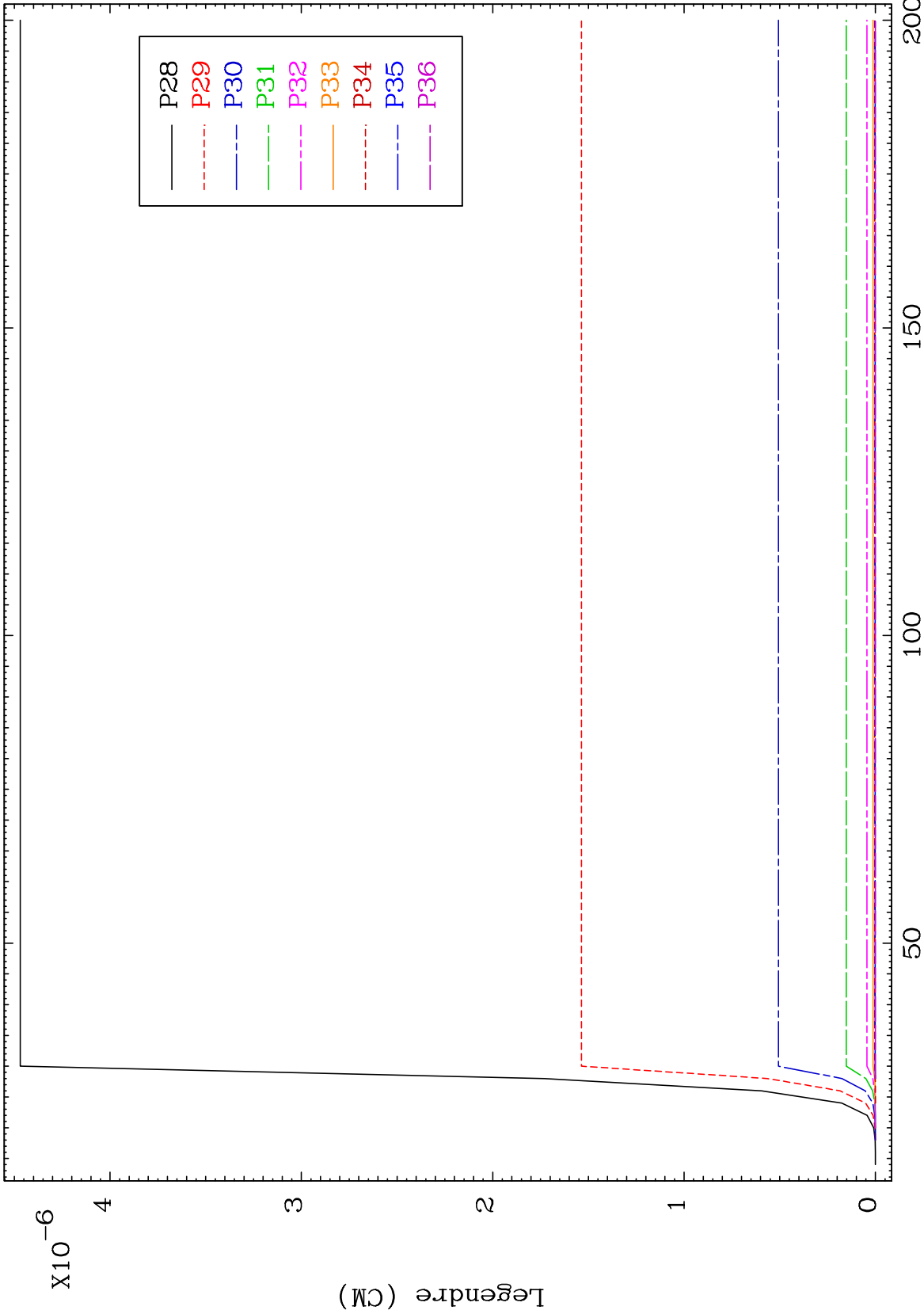
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

56-Ba-131



108

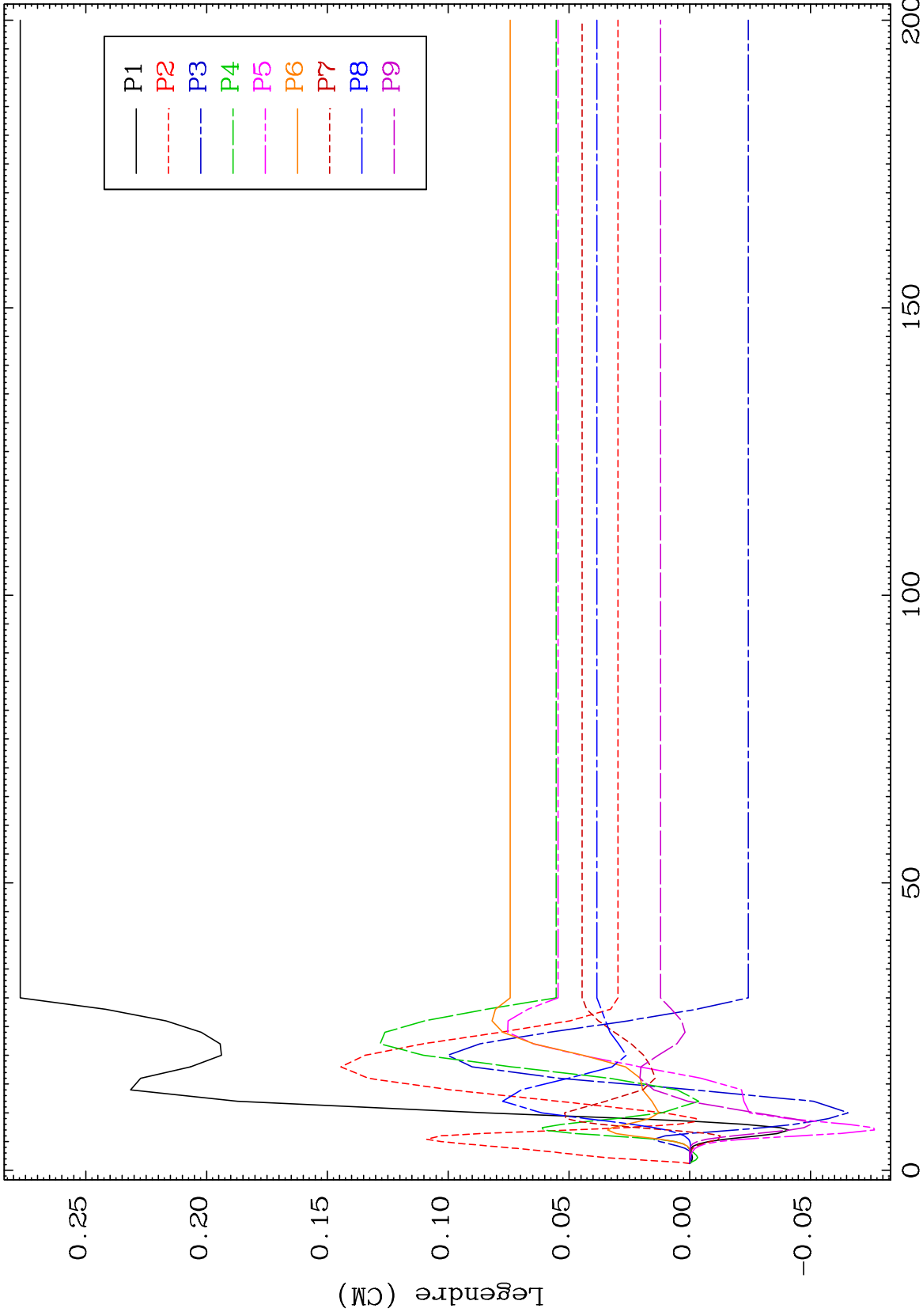
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

56-Ba-131



109

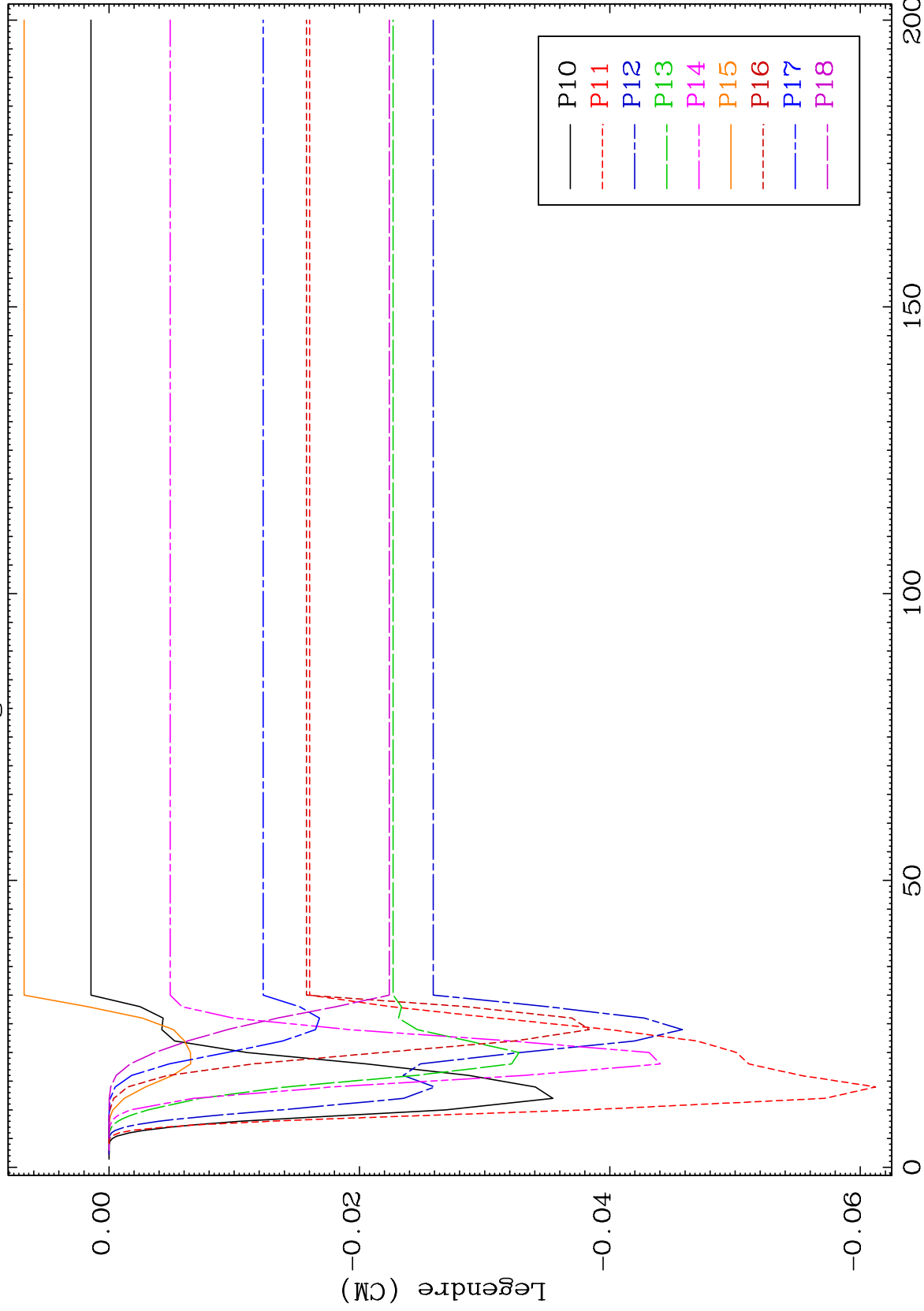
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

56-Ba-131

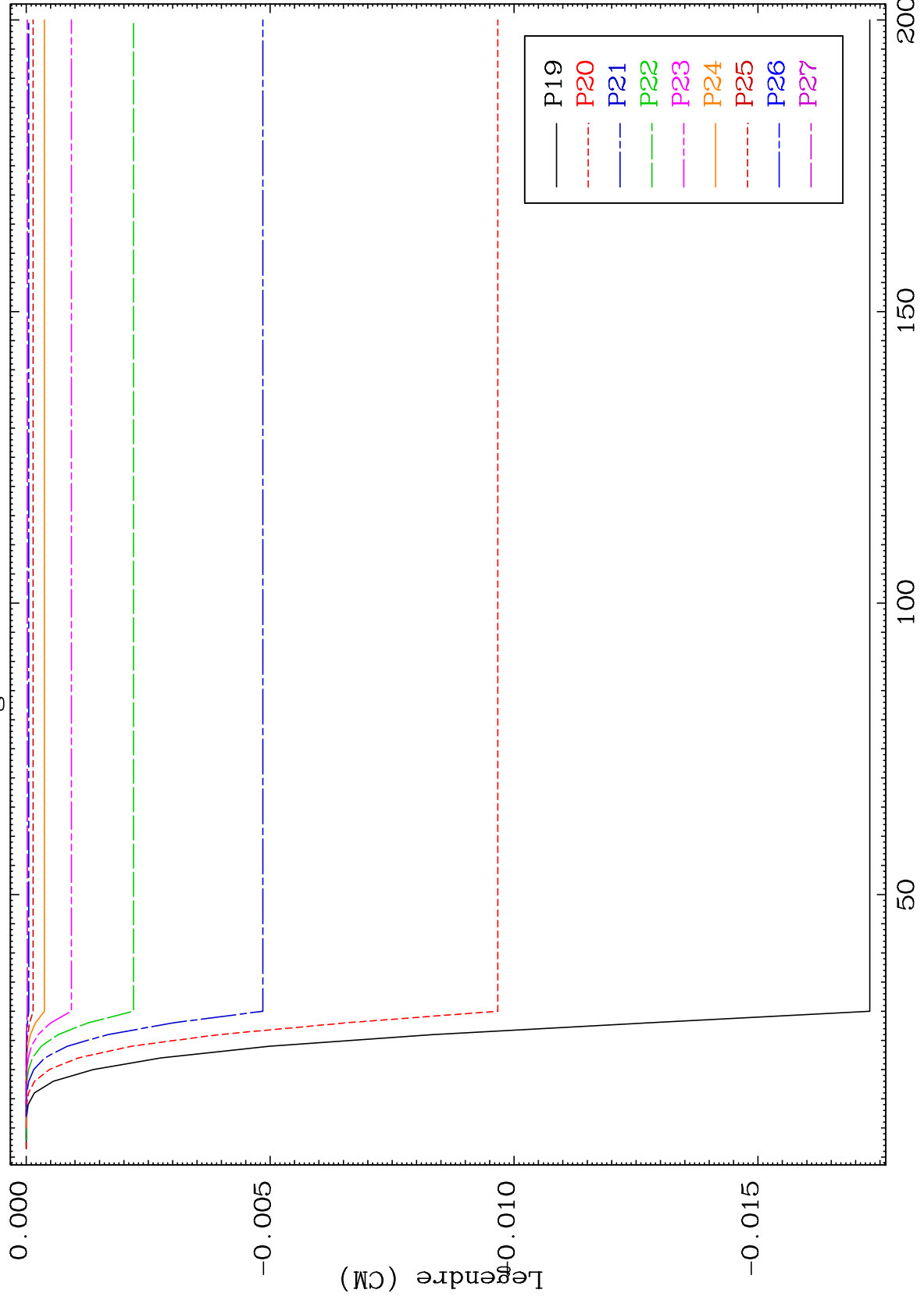


110

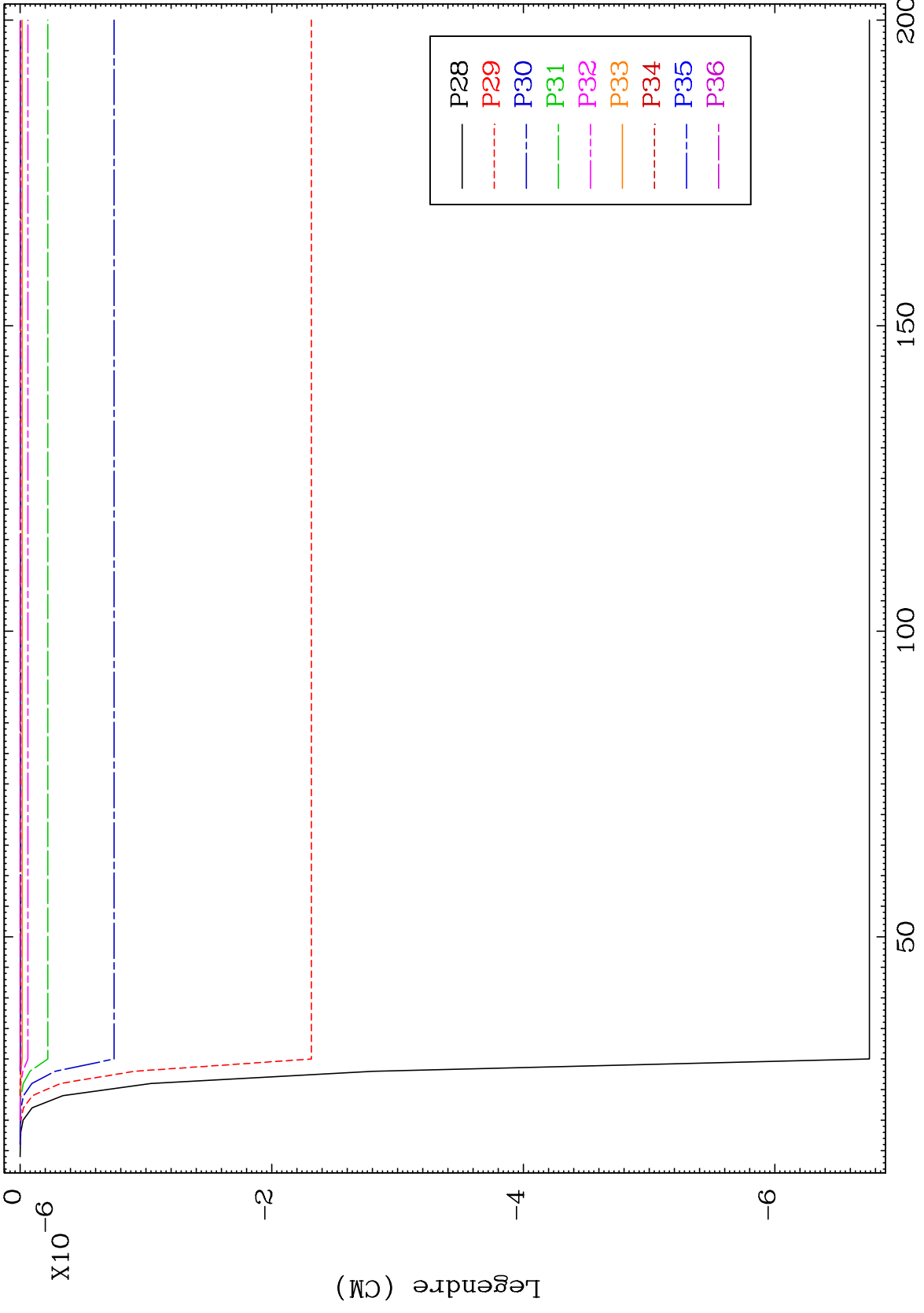
Incident Energy (MeV)

56-Ba-131

MAT 5628 MT= 76 (n,n') Level Legendre Coefficients 56-Ba-131



MAT 5628 MT= 76 (n,n') Level Legendre Coefficients 56-Ba-131

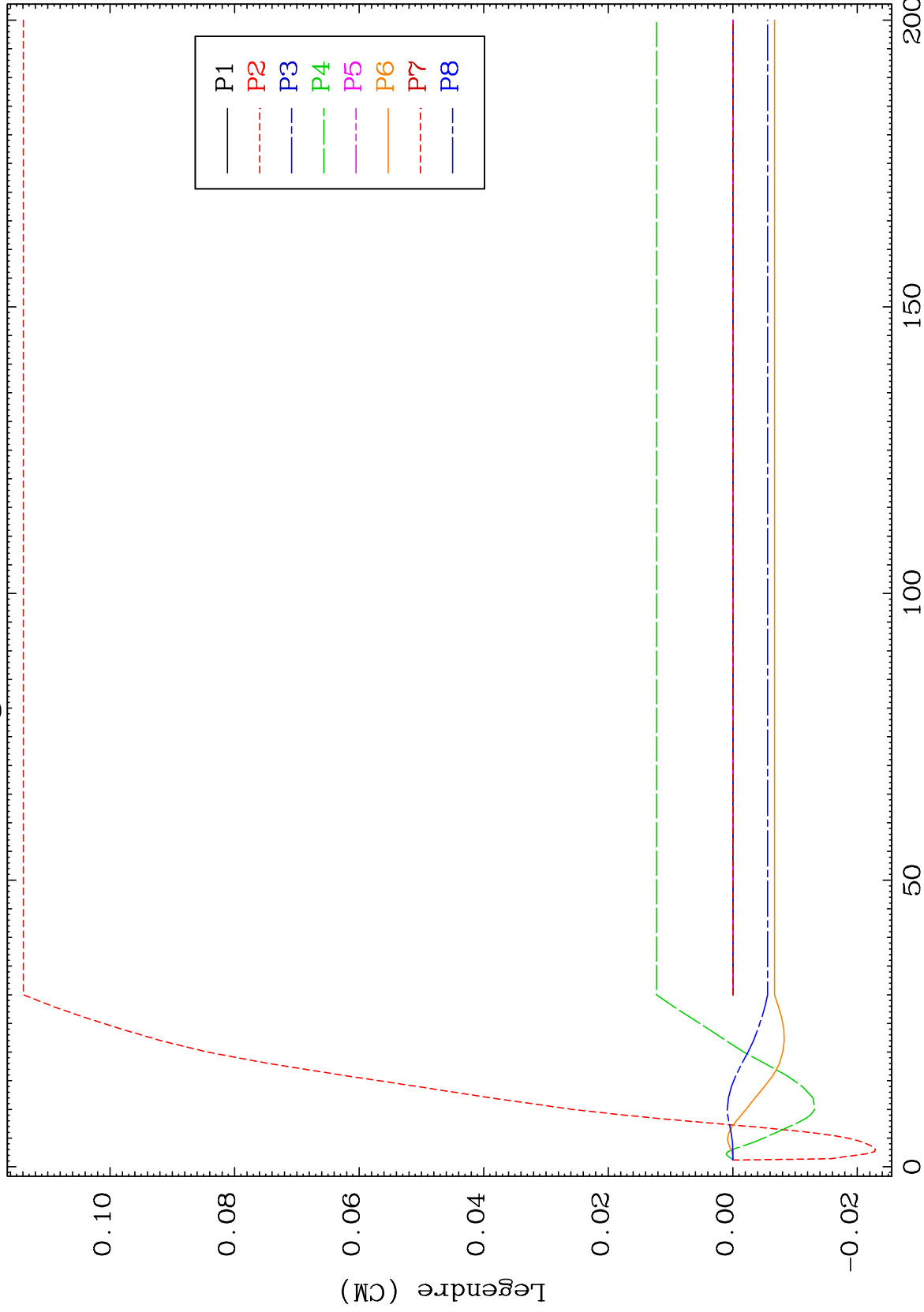


112 56-Ba-131

MAT 5628

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

56-Ba-131



113

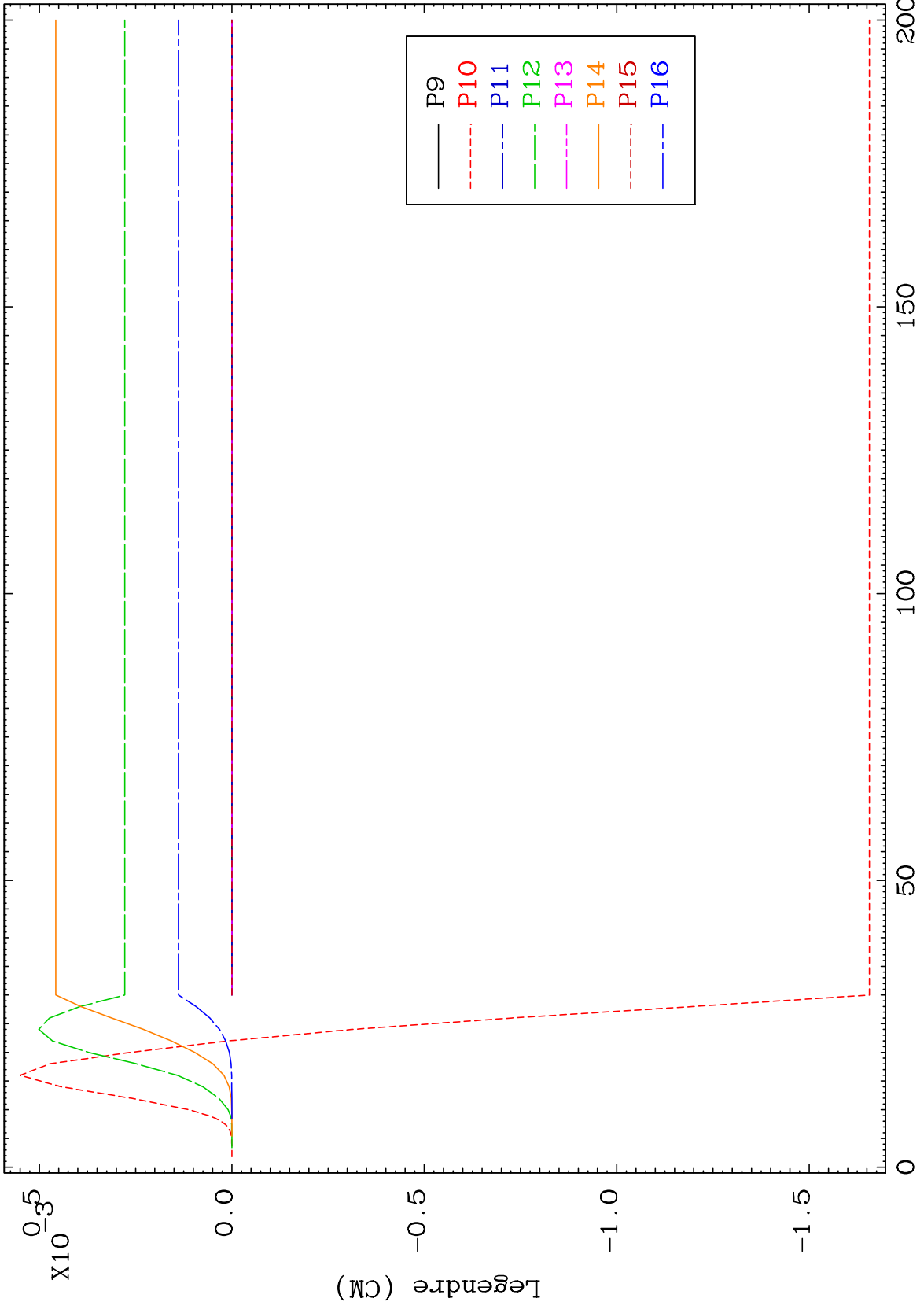
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

56-Ba-131



114

56-Ba-131

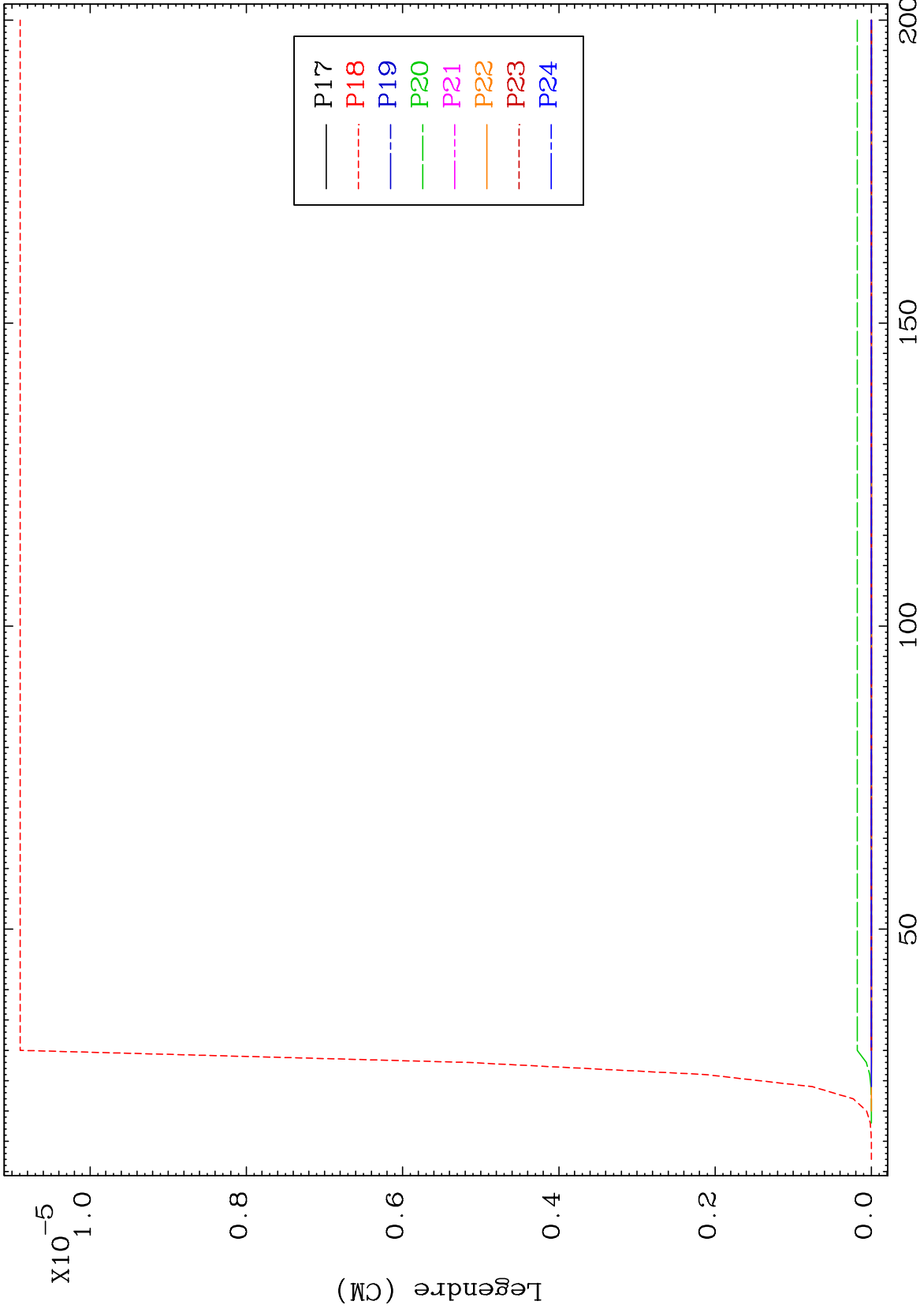
MAT 5628

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

56-Ba-131

Incident Energy (MeV)

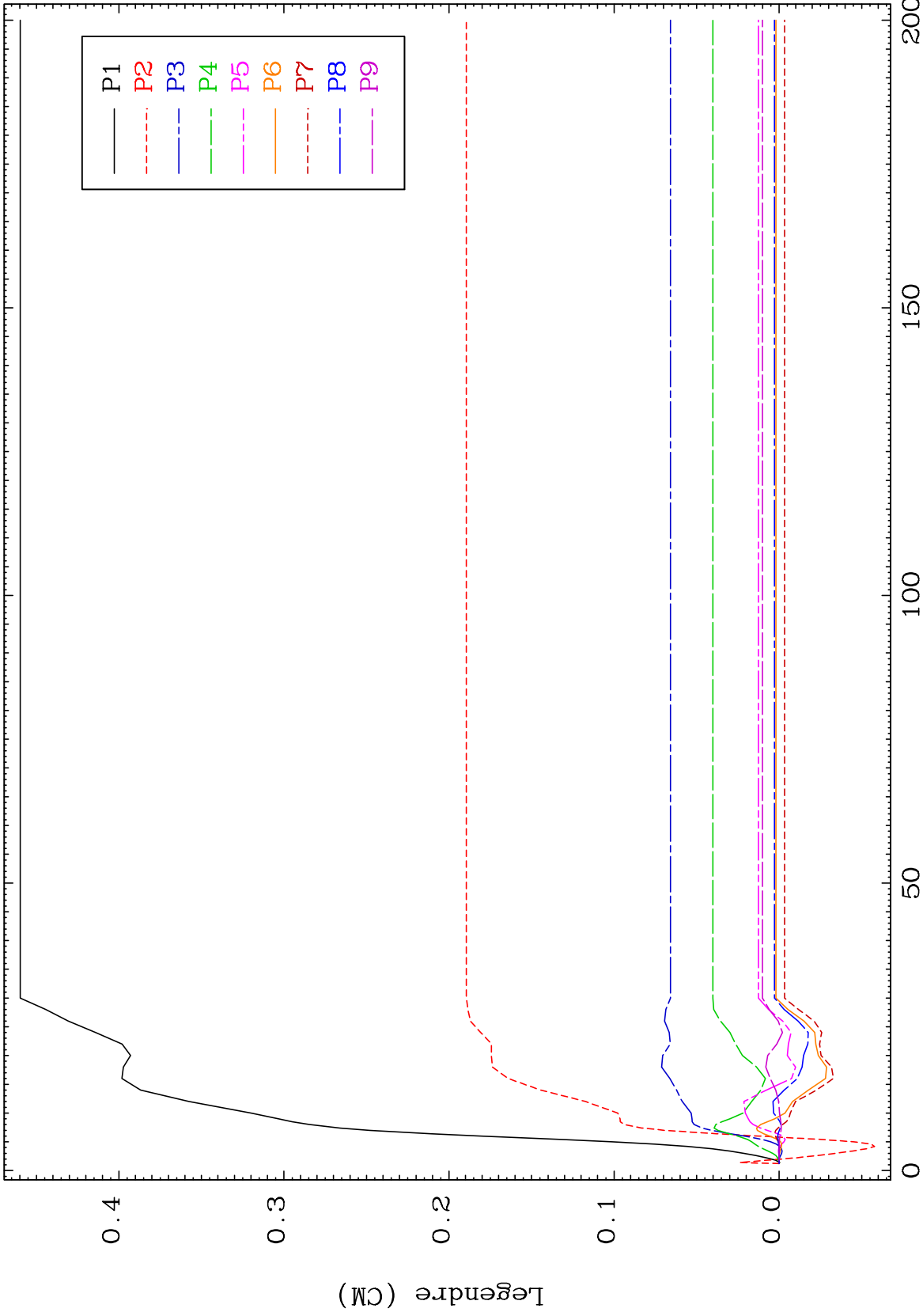
115



MAT 5628

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

56-Ba-131



116

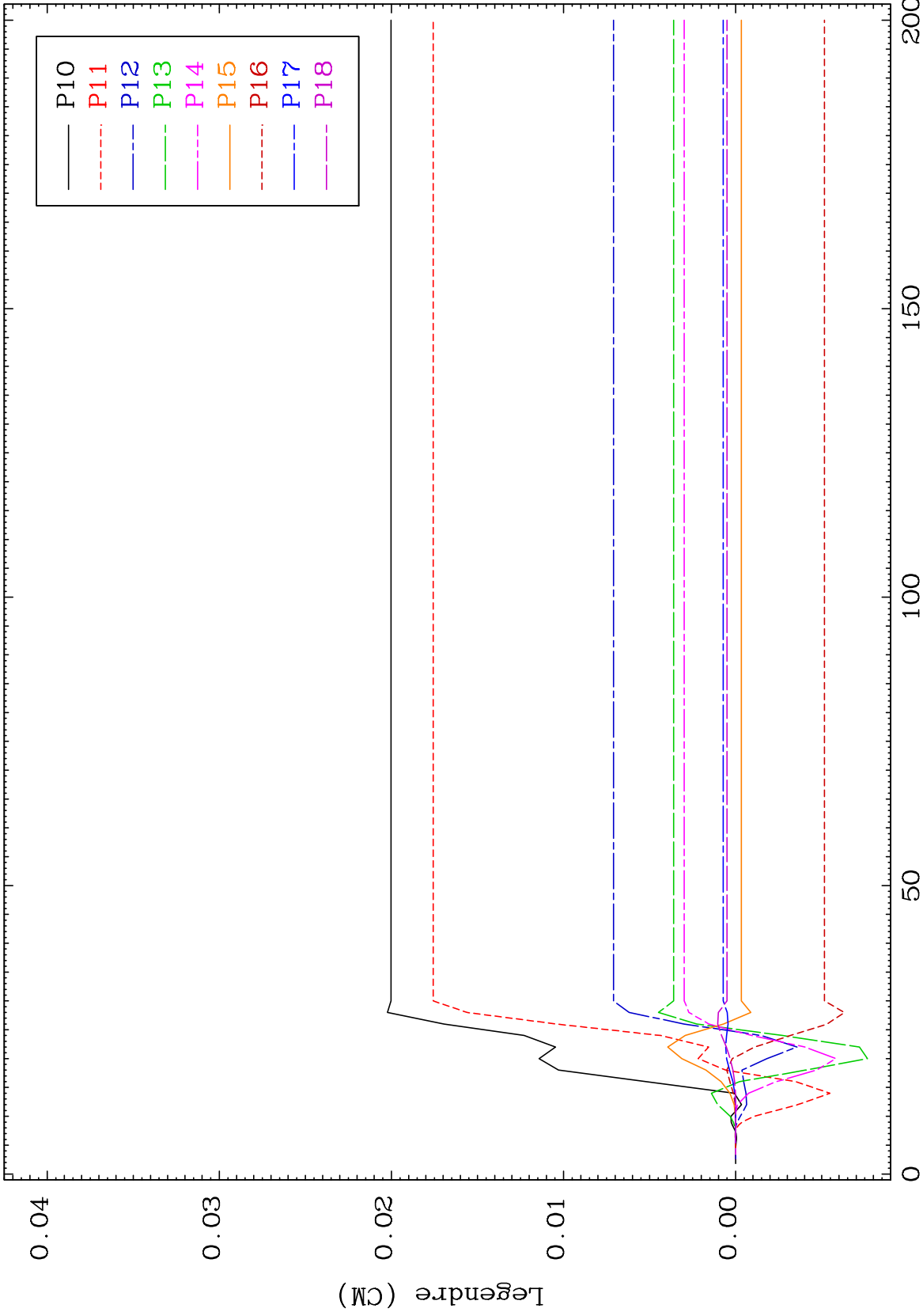
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

56-Ba-131



56-Ba-131

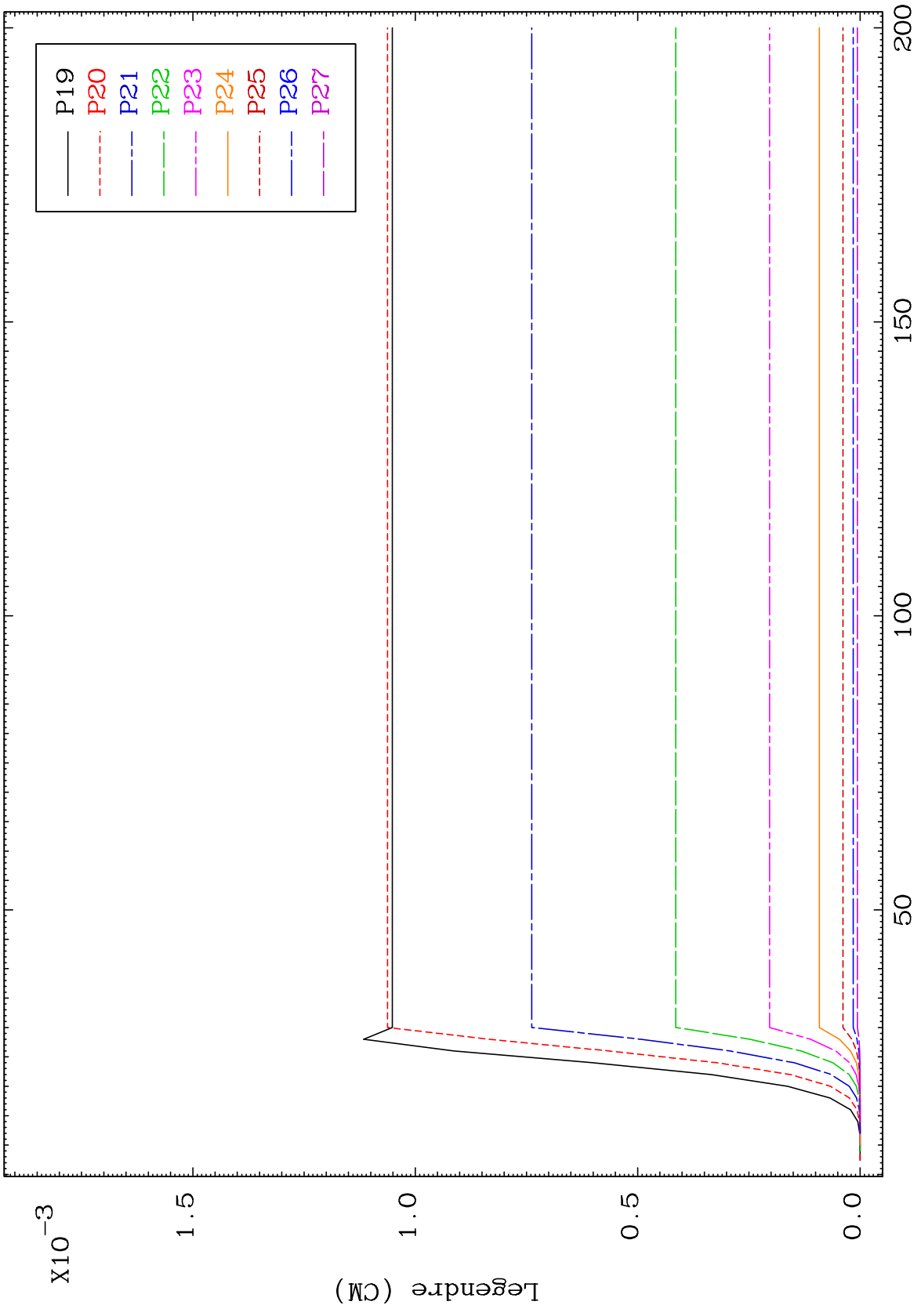
Incident Energy (MeV)

117

MAT 5628

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

56-Ba-131



118

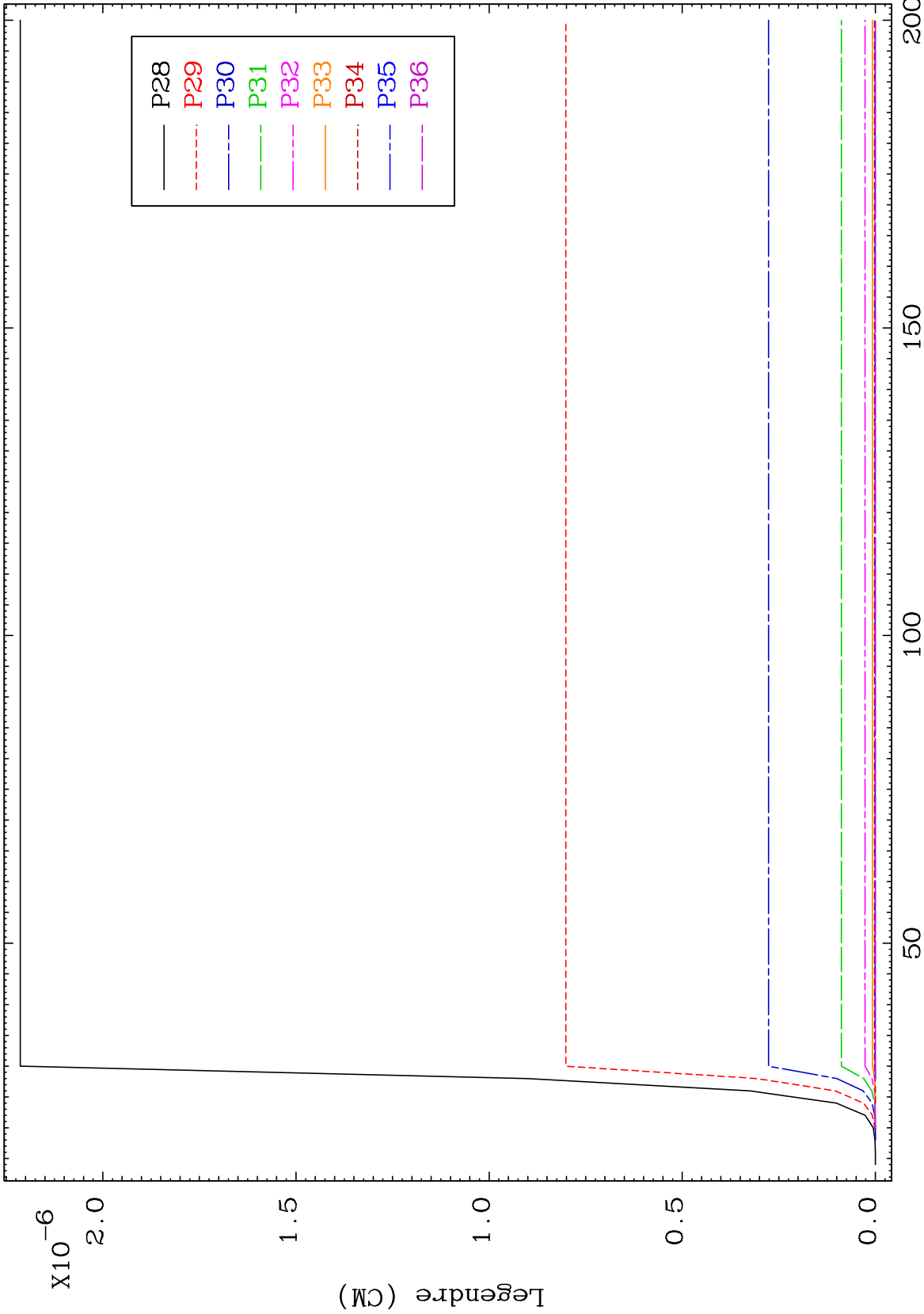
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

56-Ba-131



119

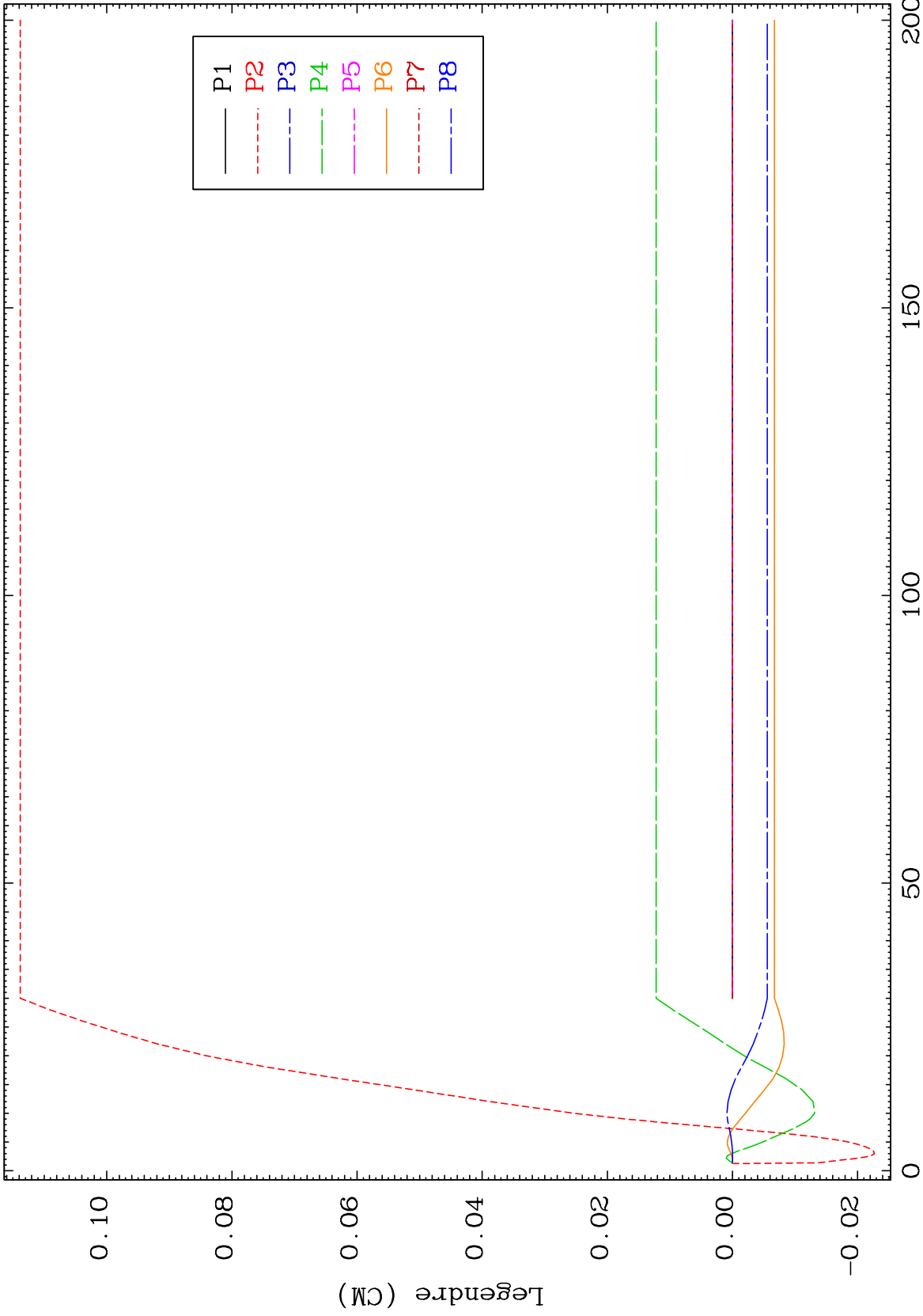
Incident Energy (MeV)

56-Ba-131

MAT 5628

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

56-Ba-131



56-Ba-131

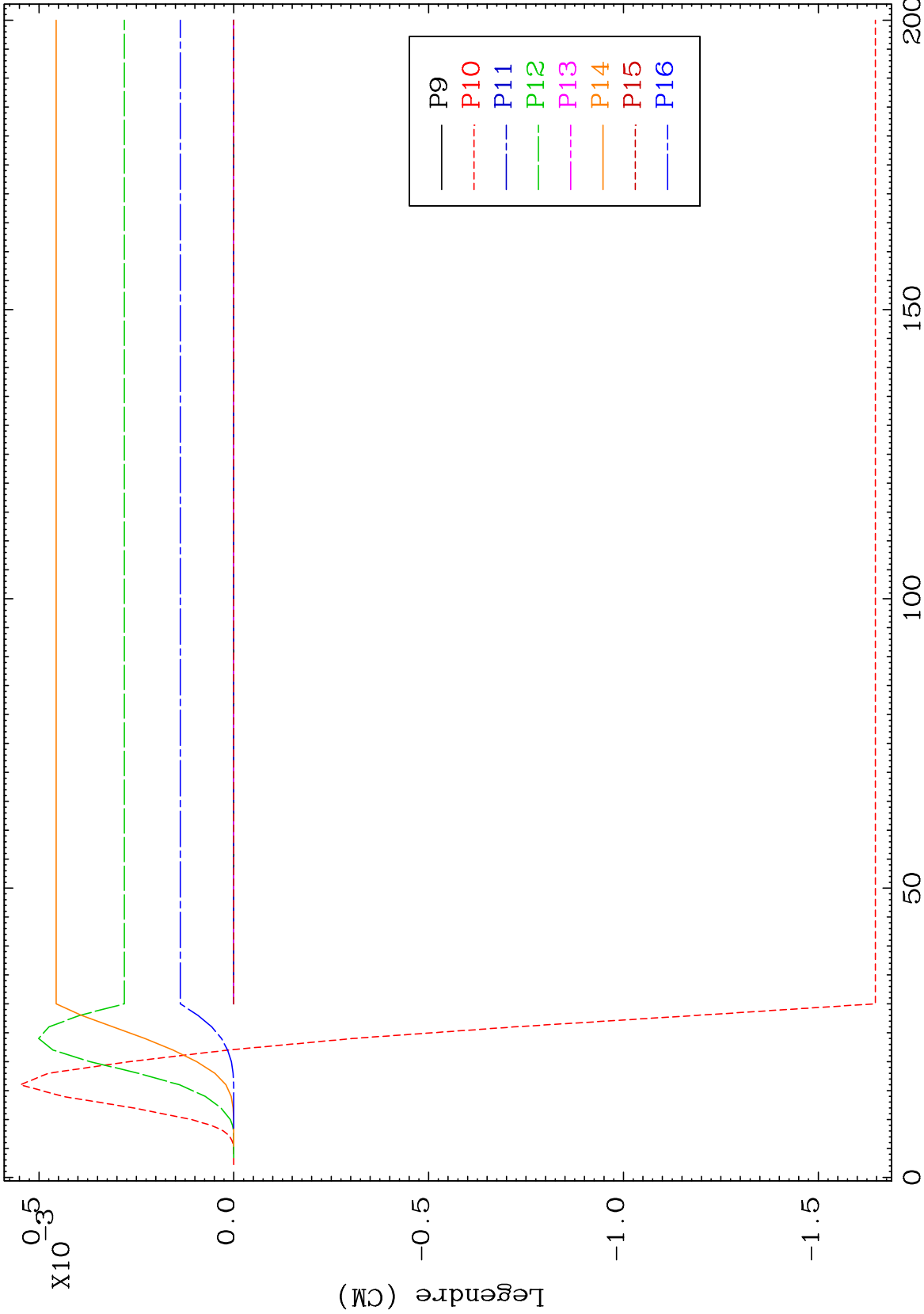
Incident Energy (MeV)

120

MAT 5628

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

56-Ba-131

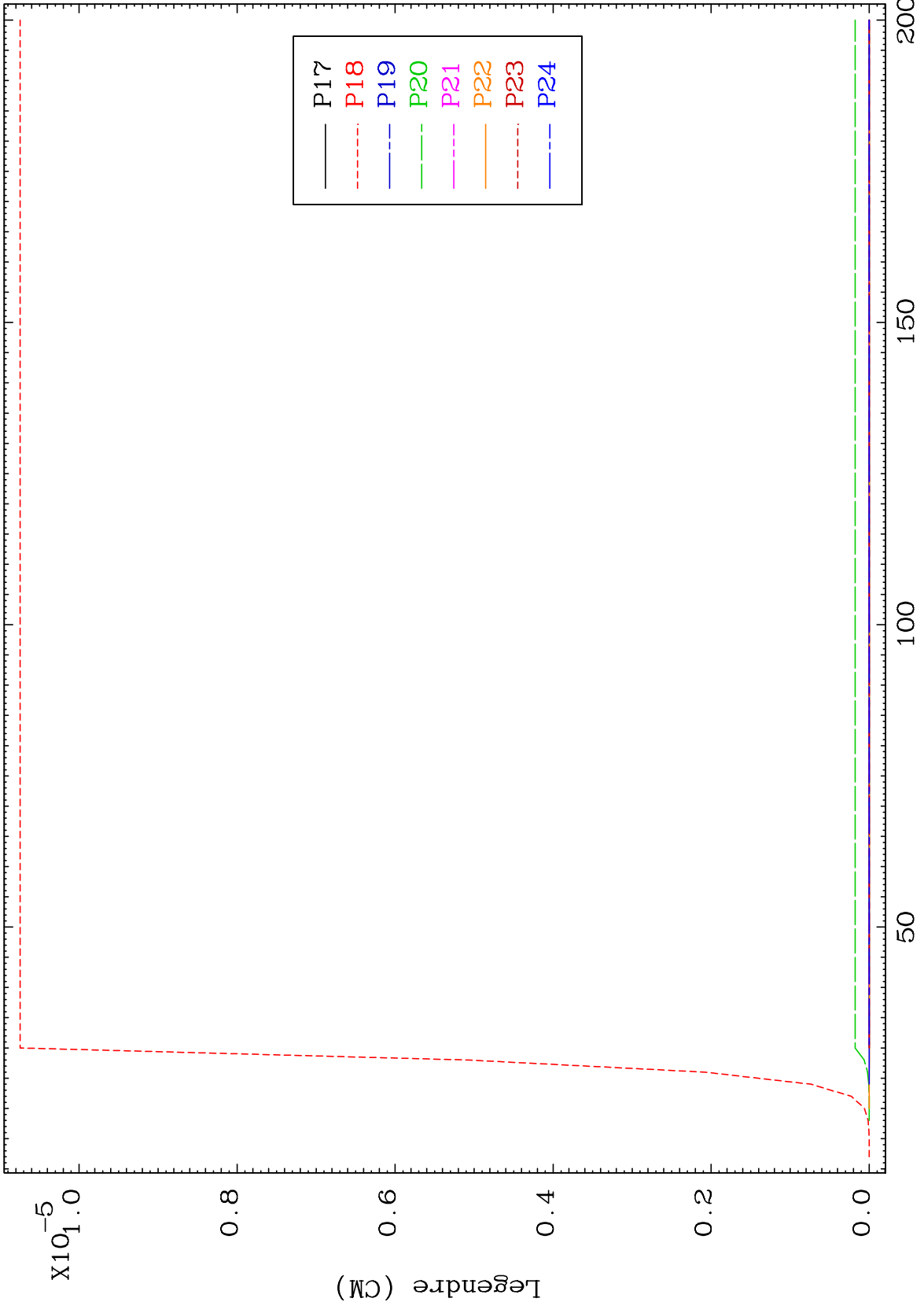


121

Incident Energy (MeV)

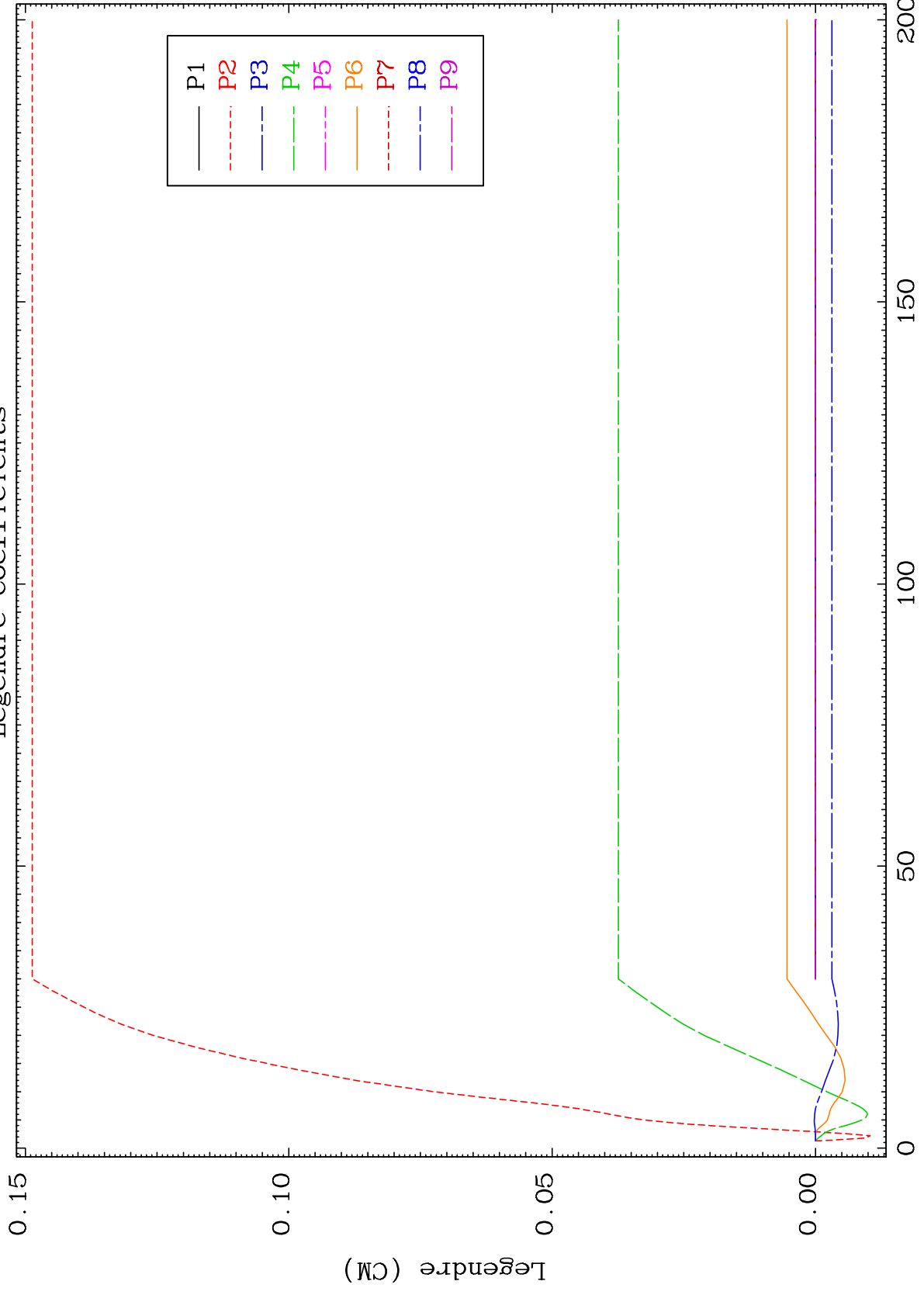
56-Ba-131

MAT 5628 MT= 79 (n,n') Level Legendre Coefficients 56-Ba-131



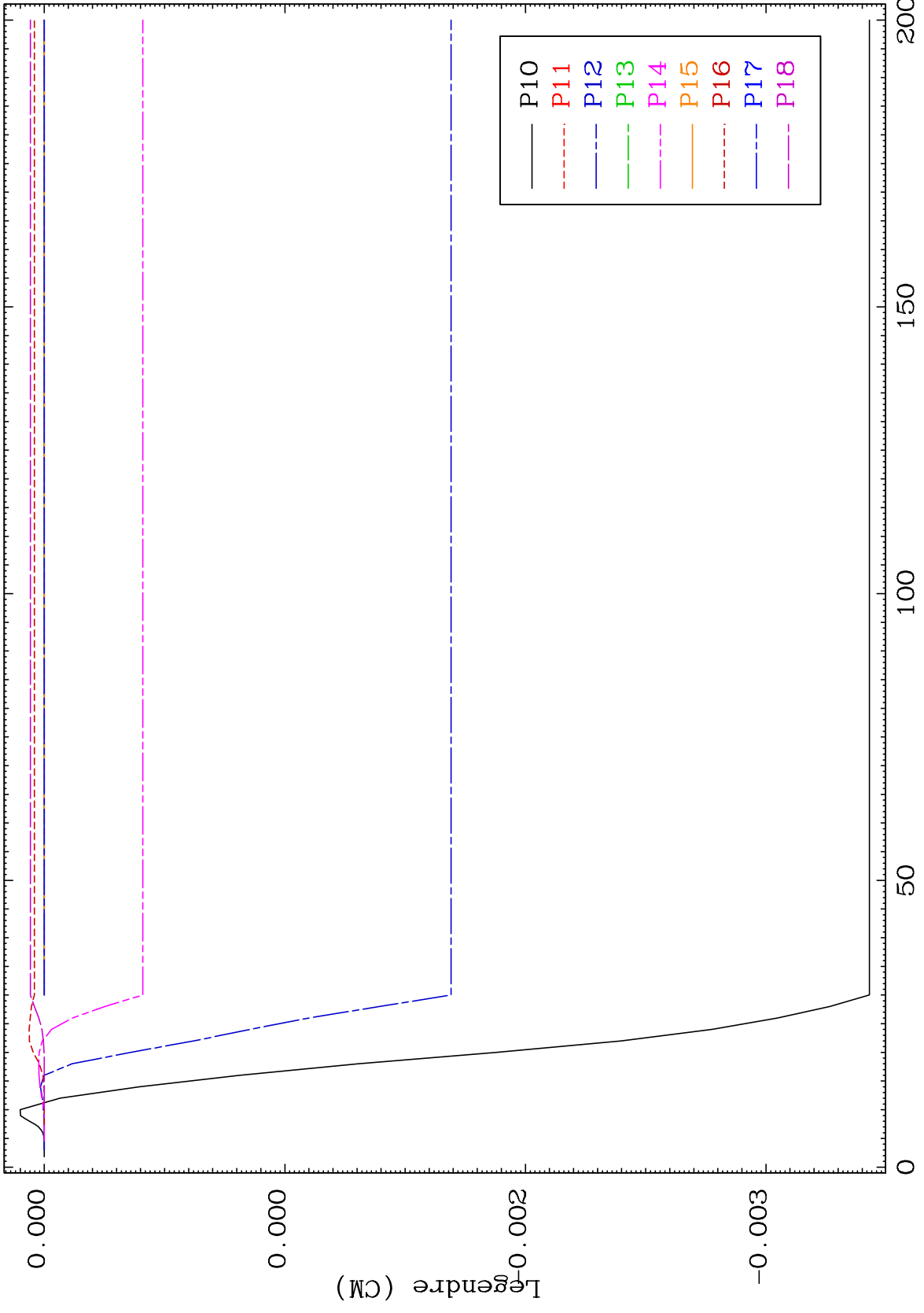
122 Incident Energy (MeV) 56-Ba-131

MAT 5628 MT= 80 (n,n') Level Legendre Coefficients 56-Ba-131



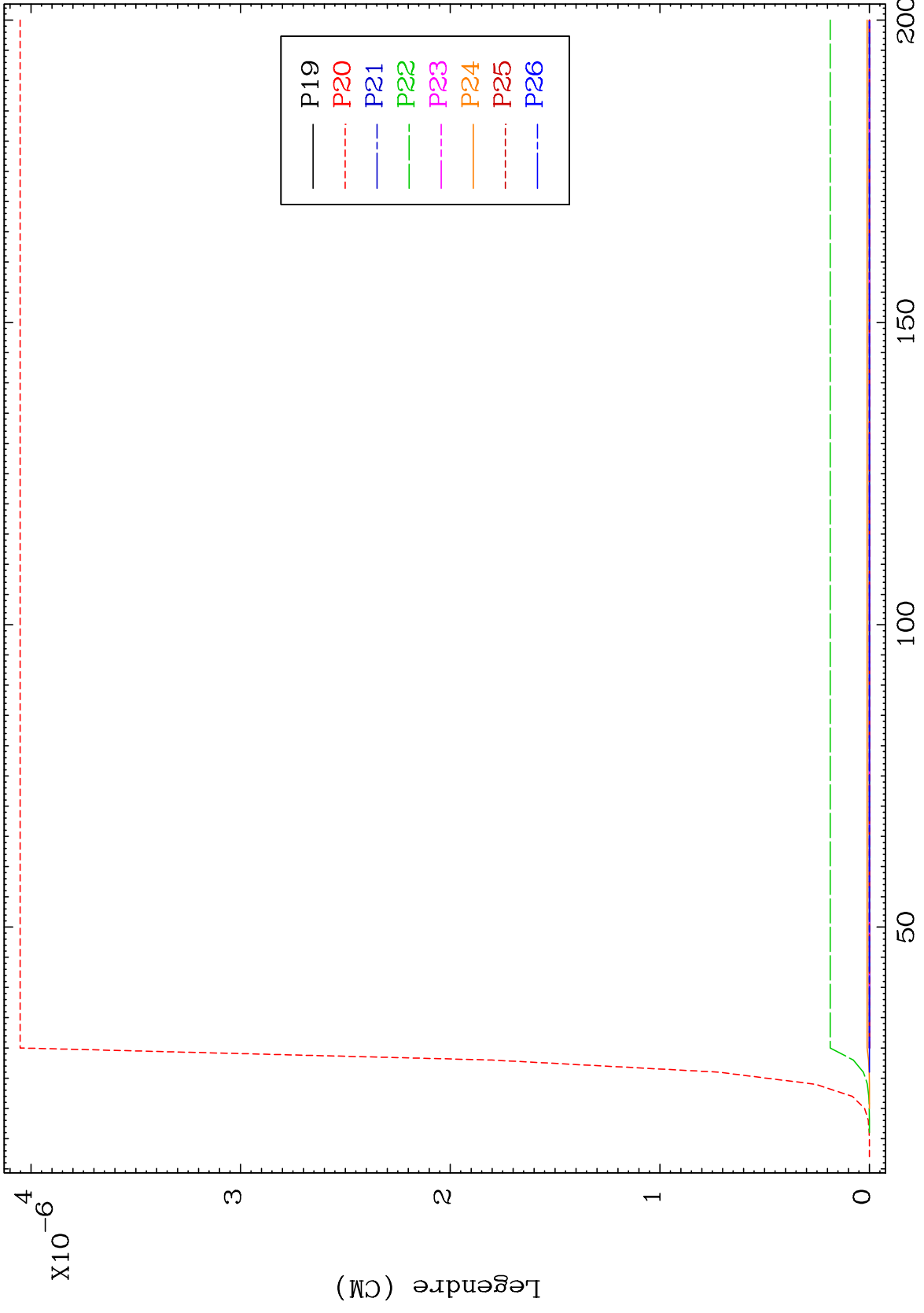
123 Incident Energy (MeV) 56-Ba-131

MAT 5628 MT= 80 (n,n') Level Legendre Coefficients 56-Ba-131



124 56-Ba-131

MAT 5628 MT= 80 (n,n') Level Legendre Coefficients 56-Ba-131

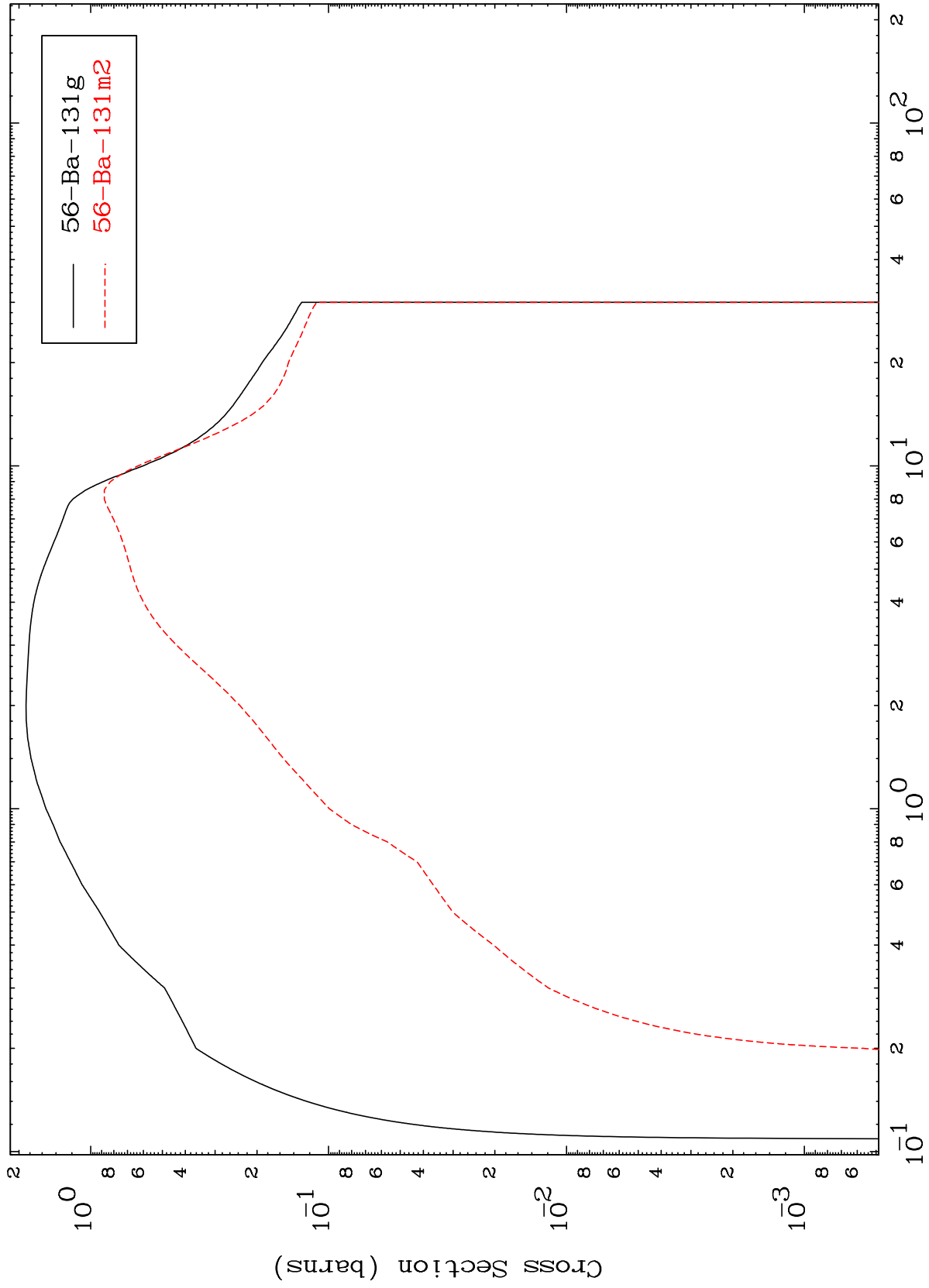


56-Ba-131

MAT 5628

56-Ba-131

Inelastic Radionuclide Production Cross Section



126

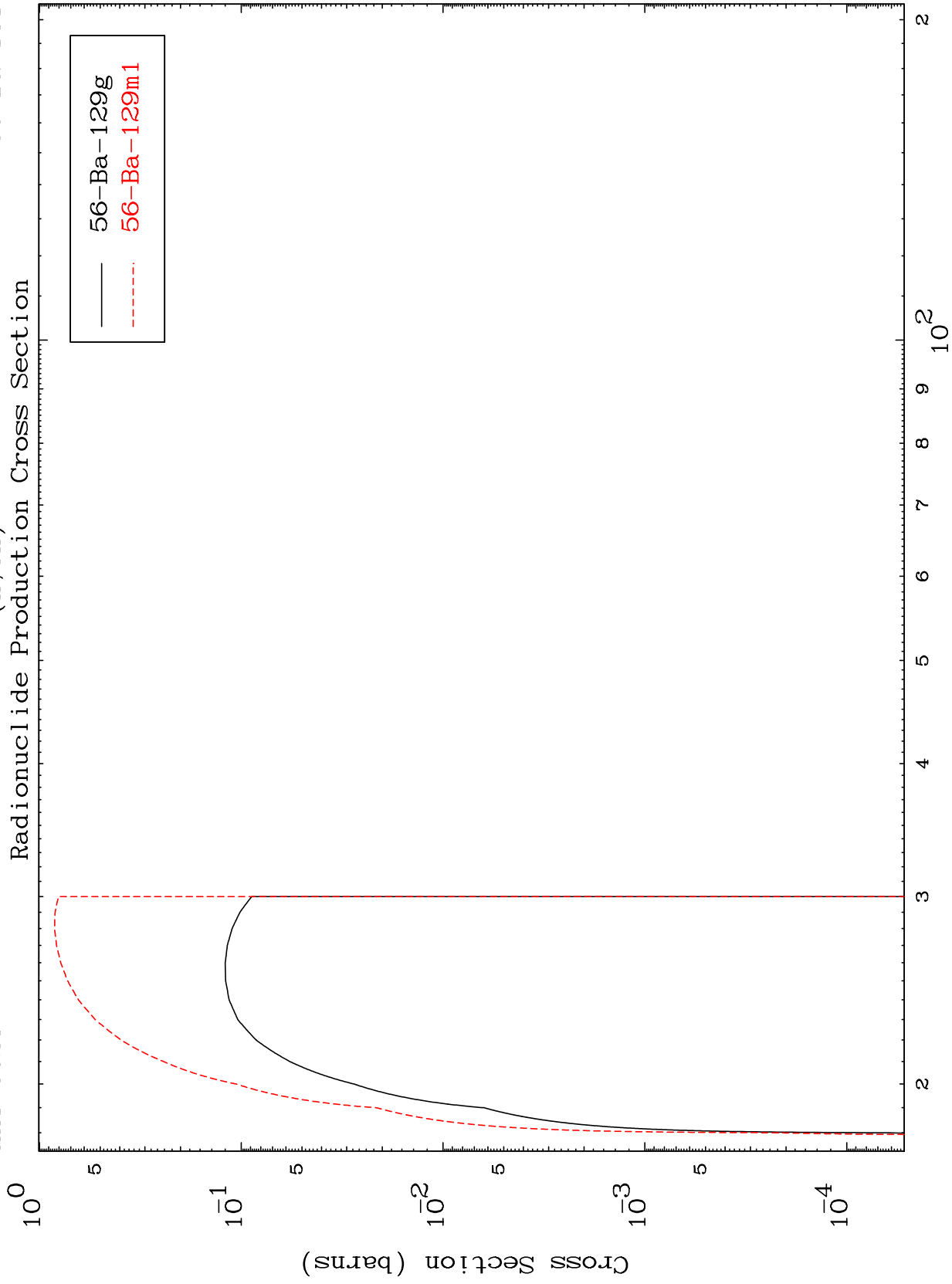
Incident Energy (MeV)

56-Ba-131

MAT 5628

56-Ba-131

(n,3n)
Radionuclide Production Cross Section



127

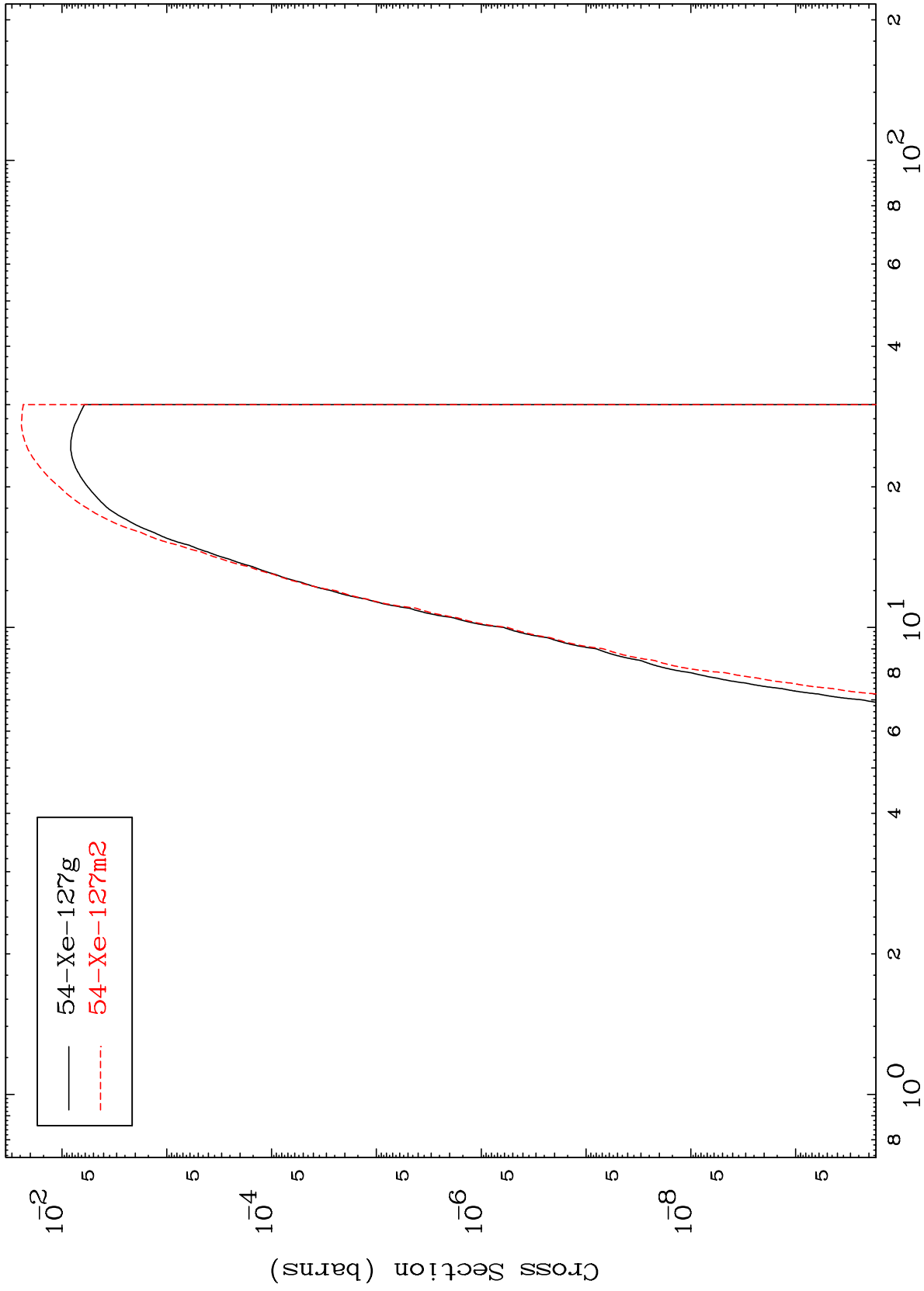
56-Ba-131

MAT 5628

(n,n') α

56-Ba-131

Radionuclide Production Cross Section



54-Xe-127g
54-Xe-127m2

128

Incident Energy (MeV)

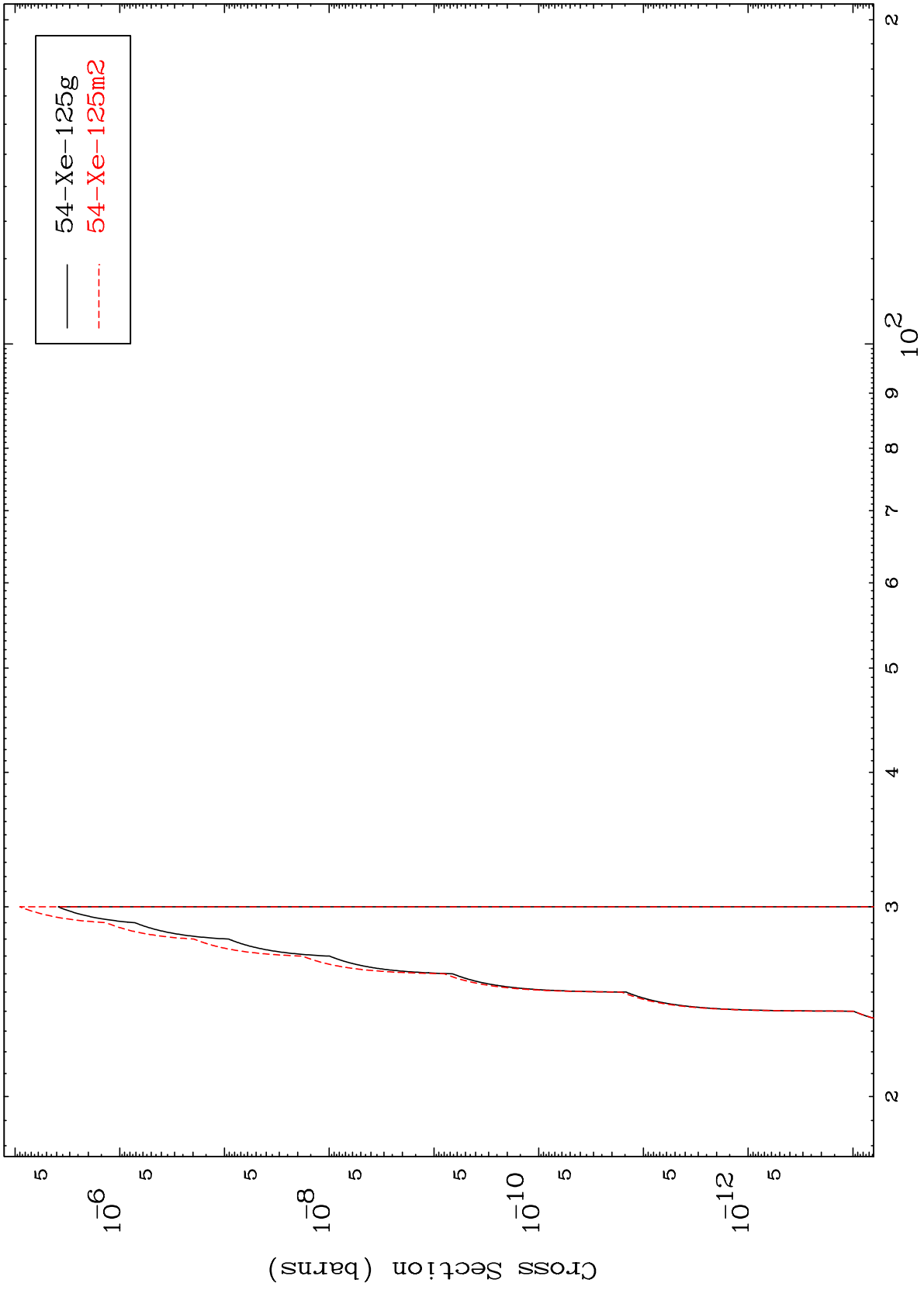
56-Ba-131

MAT 5628

(n,3n) α

56-Ba-131

Radionuclide Production Cross Section



129

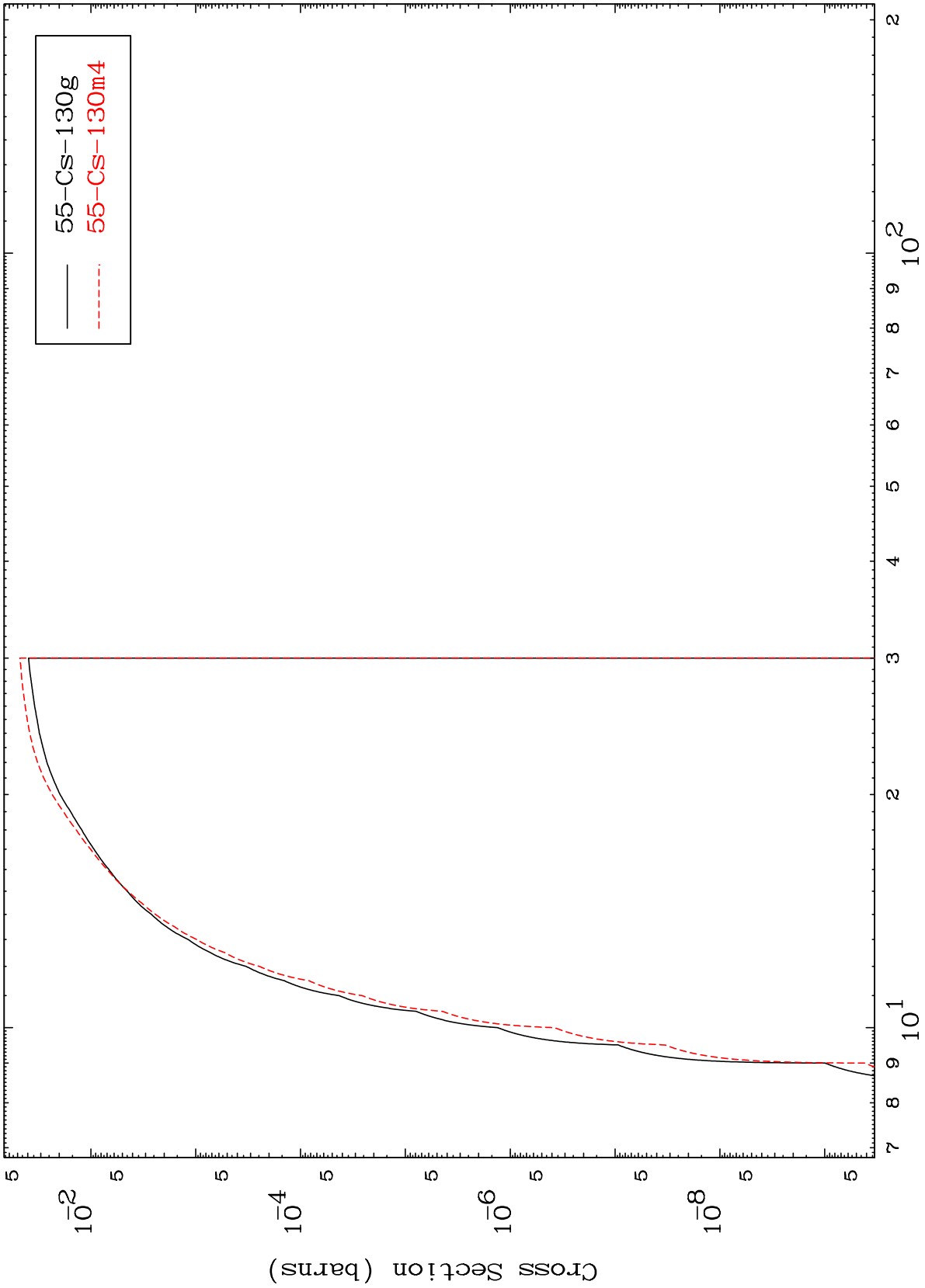
Incident Energy (MeV)

56-Ba-131

MAT 5628

56-Ba-131

(n,n') p
Radionuclide Production Cross Section



130

Incident Energy (MeV)

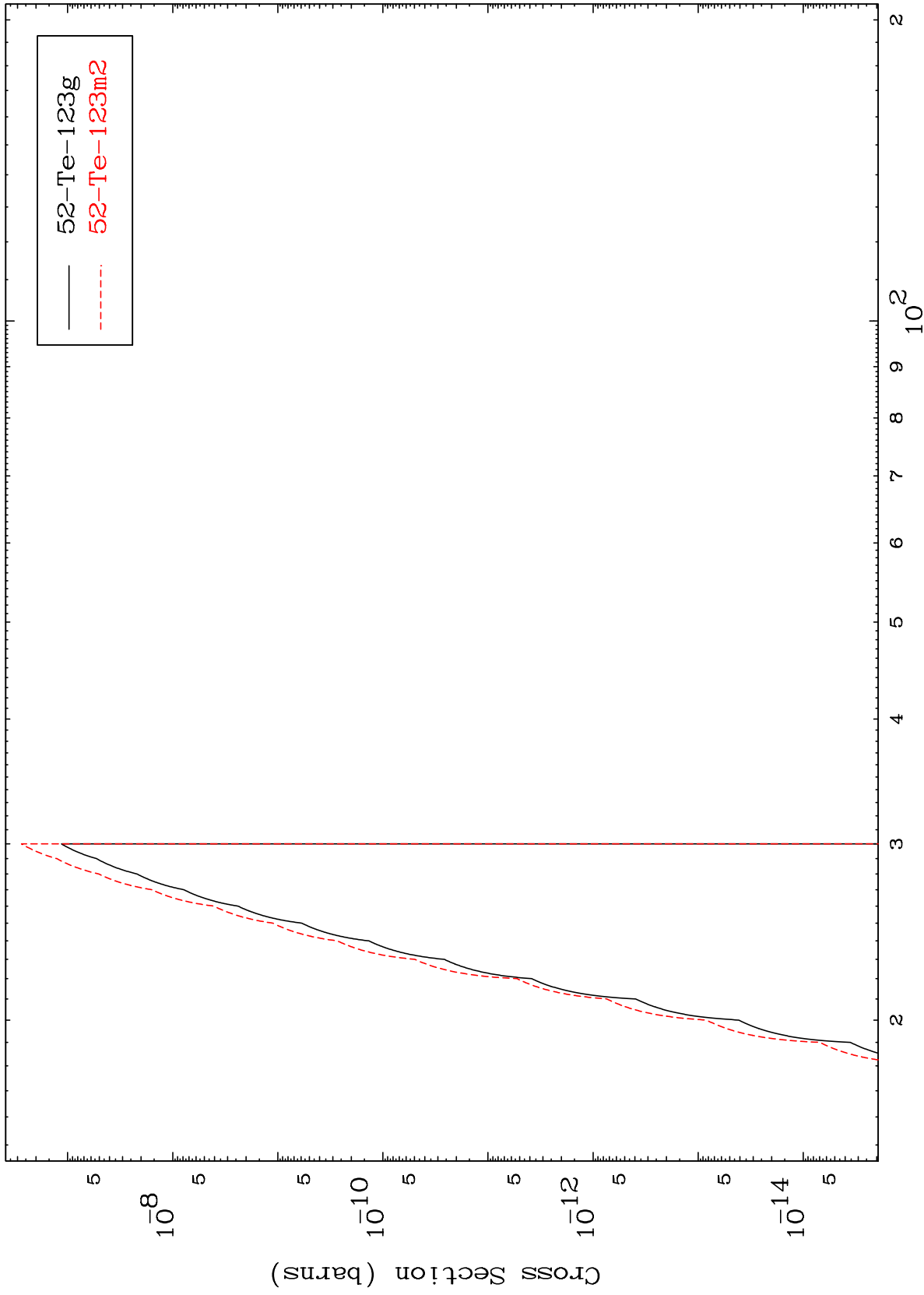
56-Ba-131

MAT 5628

(n,n') 2 α

56-Ba-131

Radionuclide Production Cross Section



131

Incident Energy (MeV)

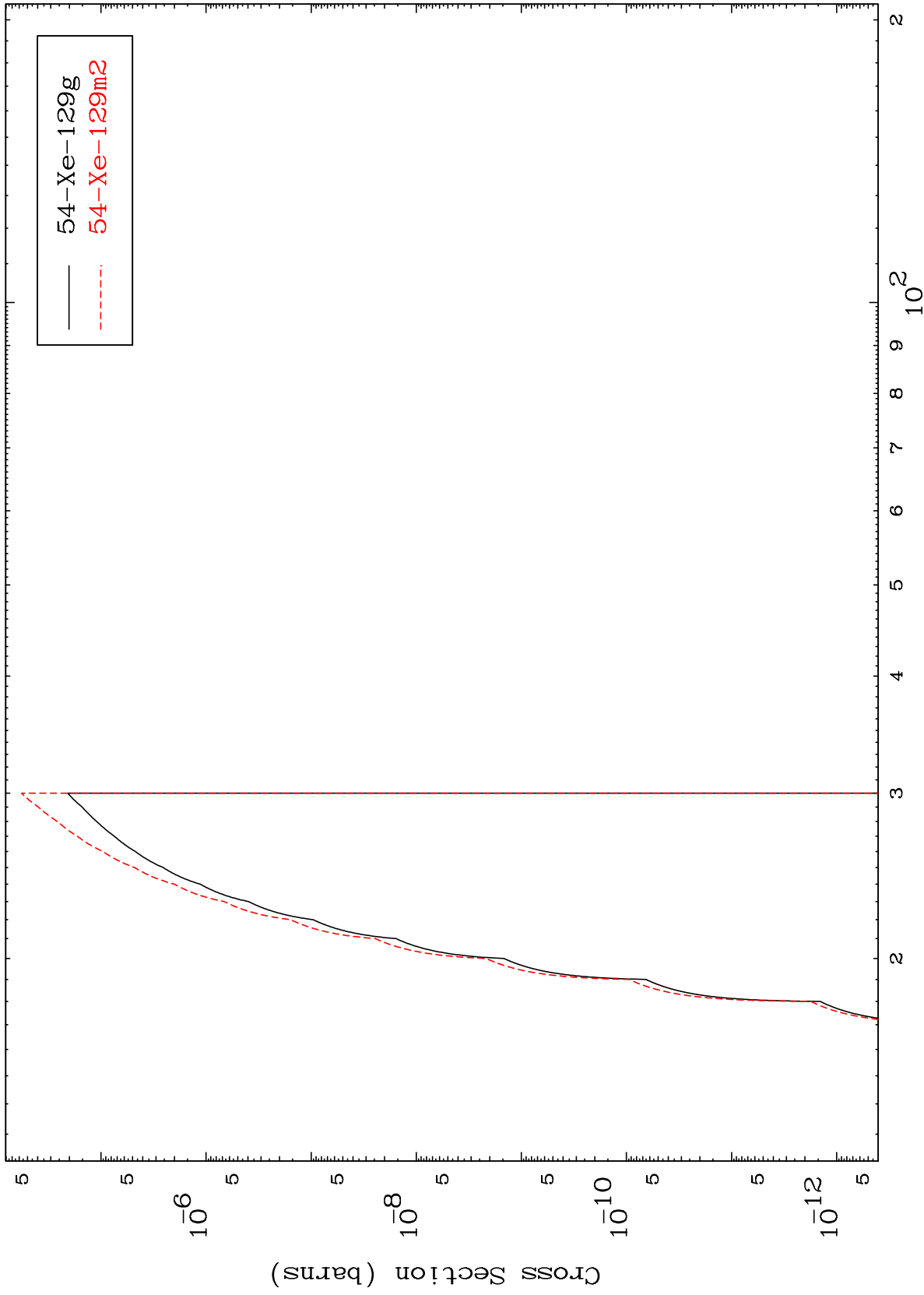
56-Ba-131

MAT 5628

(n,2n) p

56-Ba-131

Radionuclide Production Cross Section



132

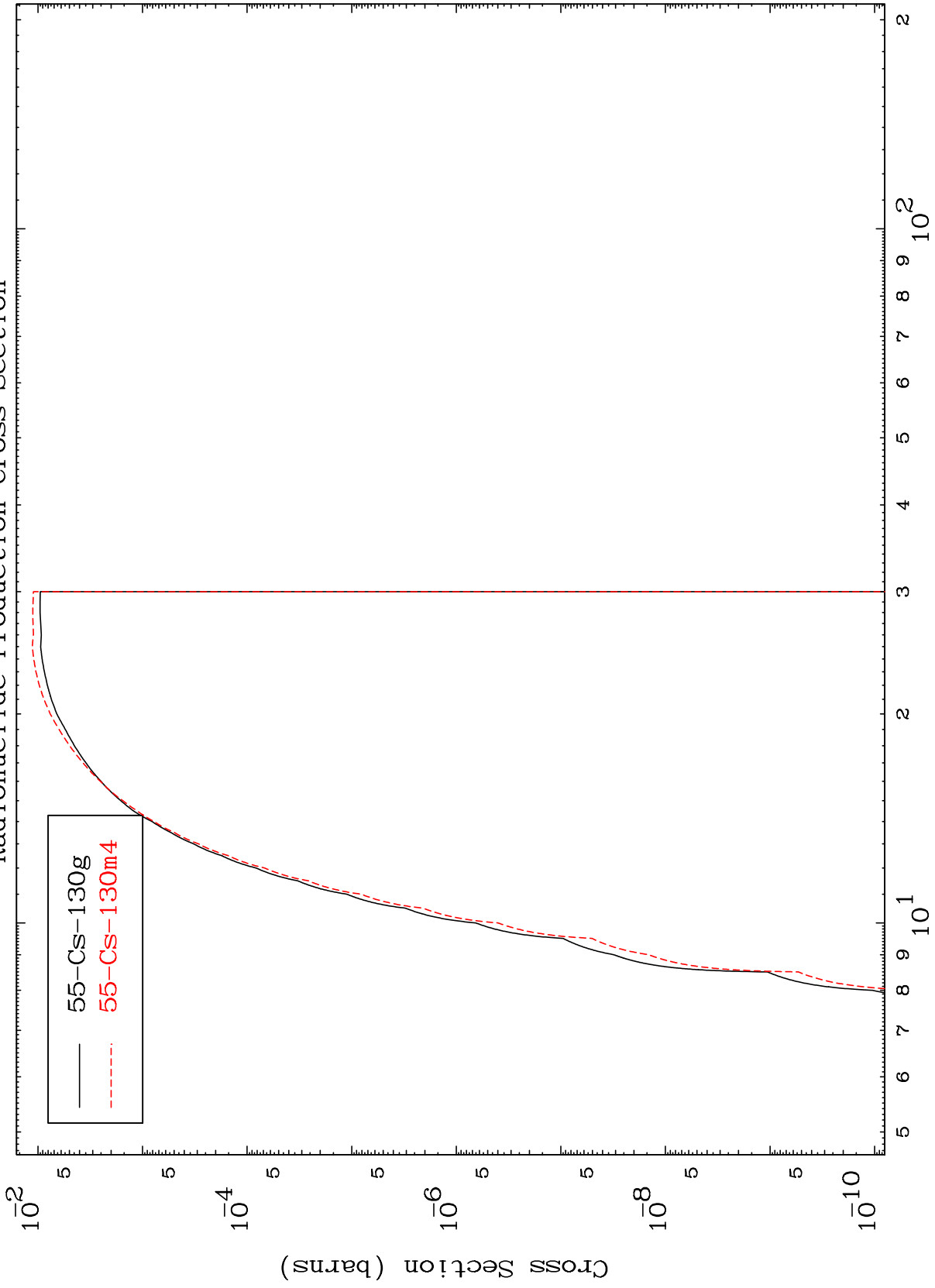
Incident Energy (MeV)

56-Ba-131

MAT 5628

56-Ba-131

(n,d)
Radionuclide Production Cross Section



133

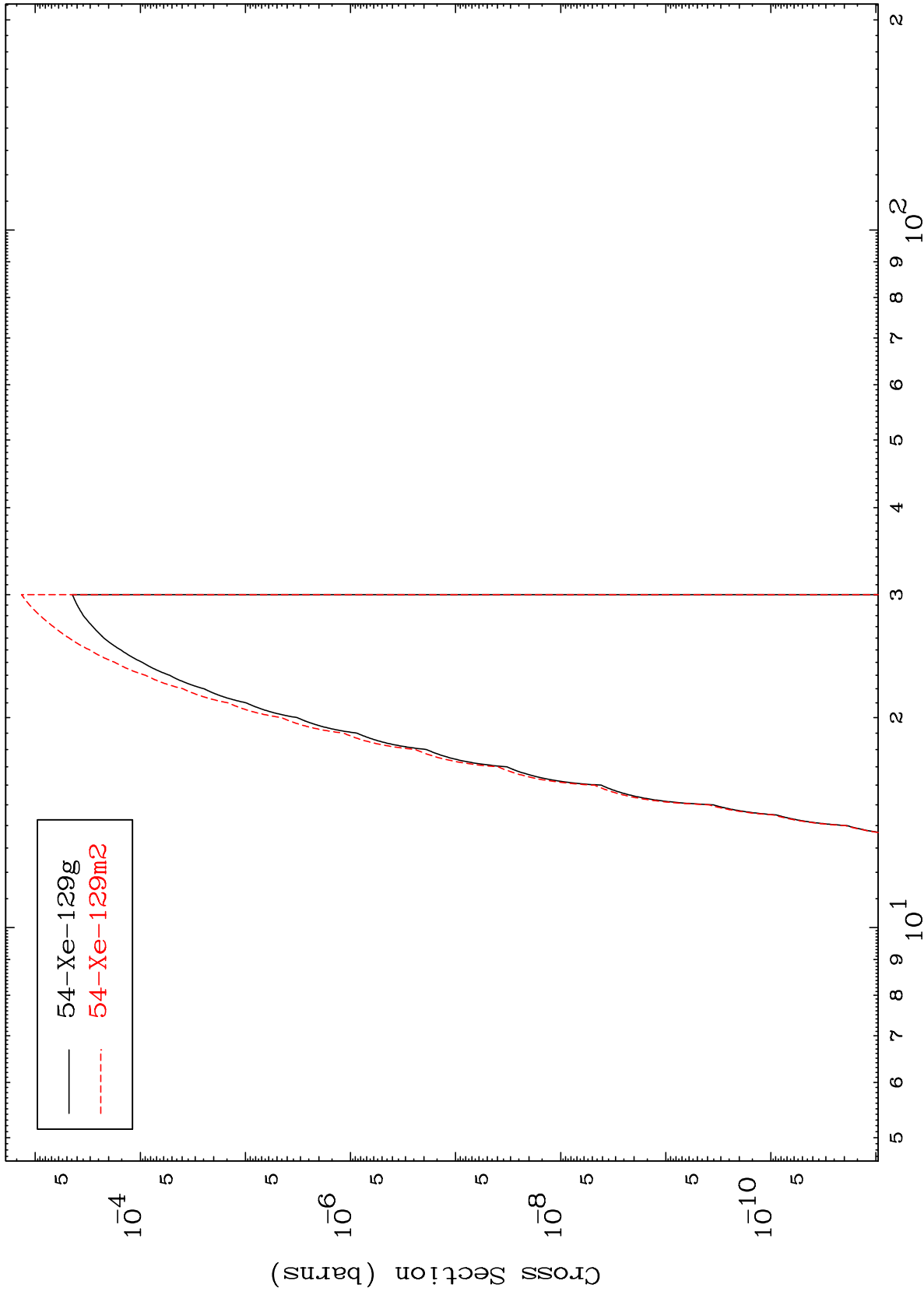
56-Ba-131

MAT 5628

(n, He-3)

56-Ba-131

Radionuclide Production Cross Section



134

Incident Energy (MeV)

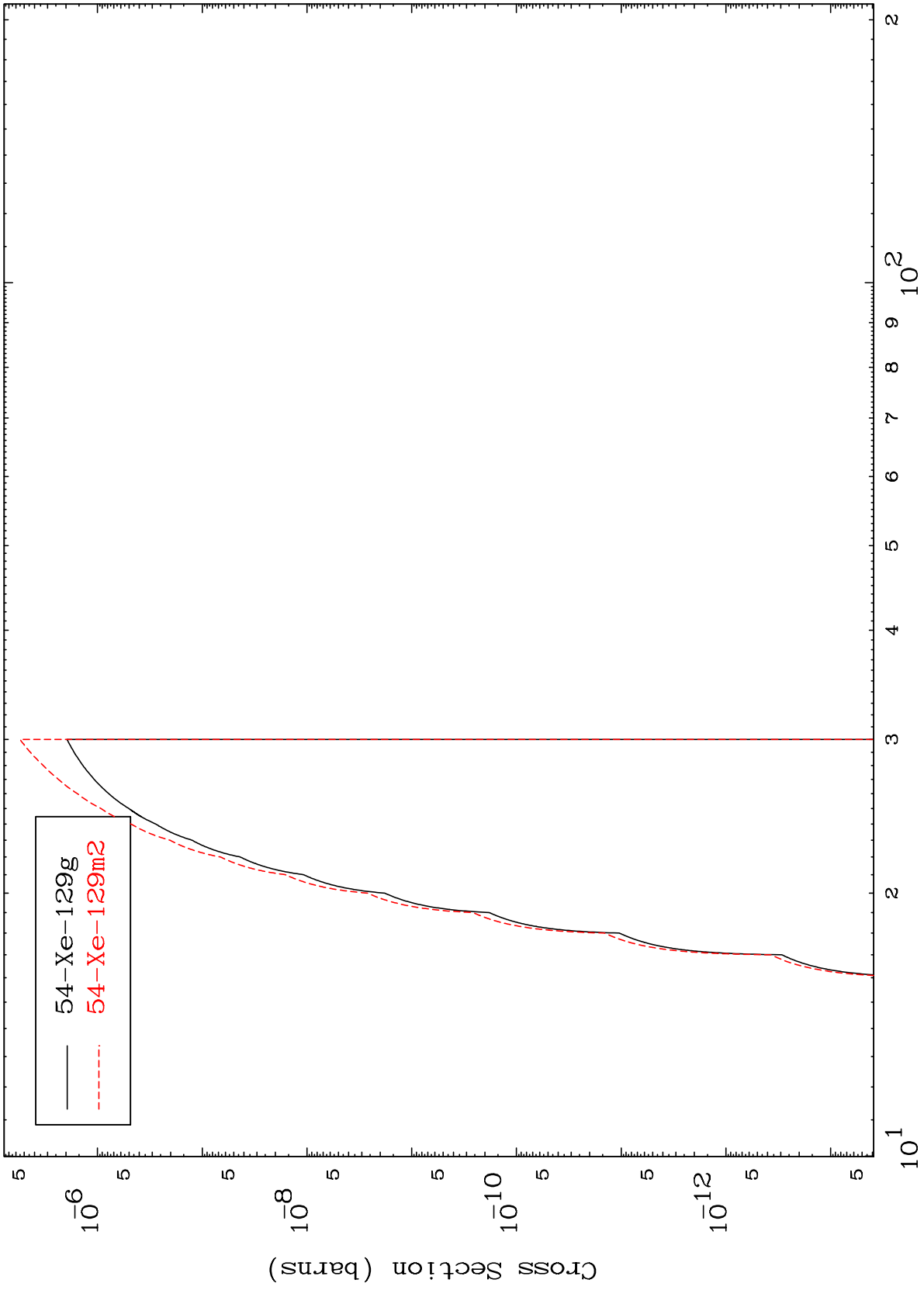
56-Ba-131

MAT 5628

(n,p) d

56-Ba-131

Radionuclide Production Cross Section



135

Incident Energy (MeV)

56-Ba-131