

Program EVALPLOT
(Version 2018-1)

by

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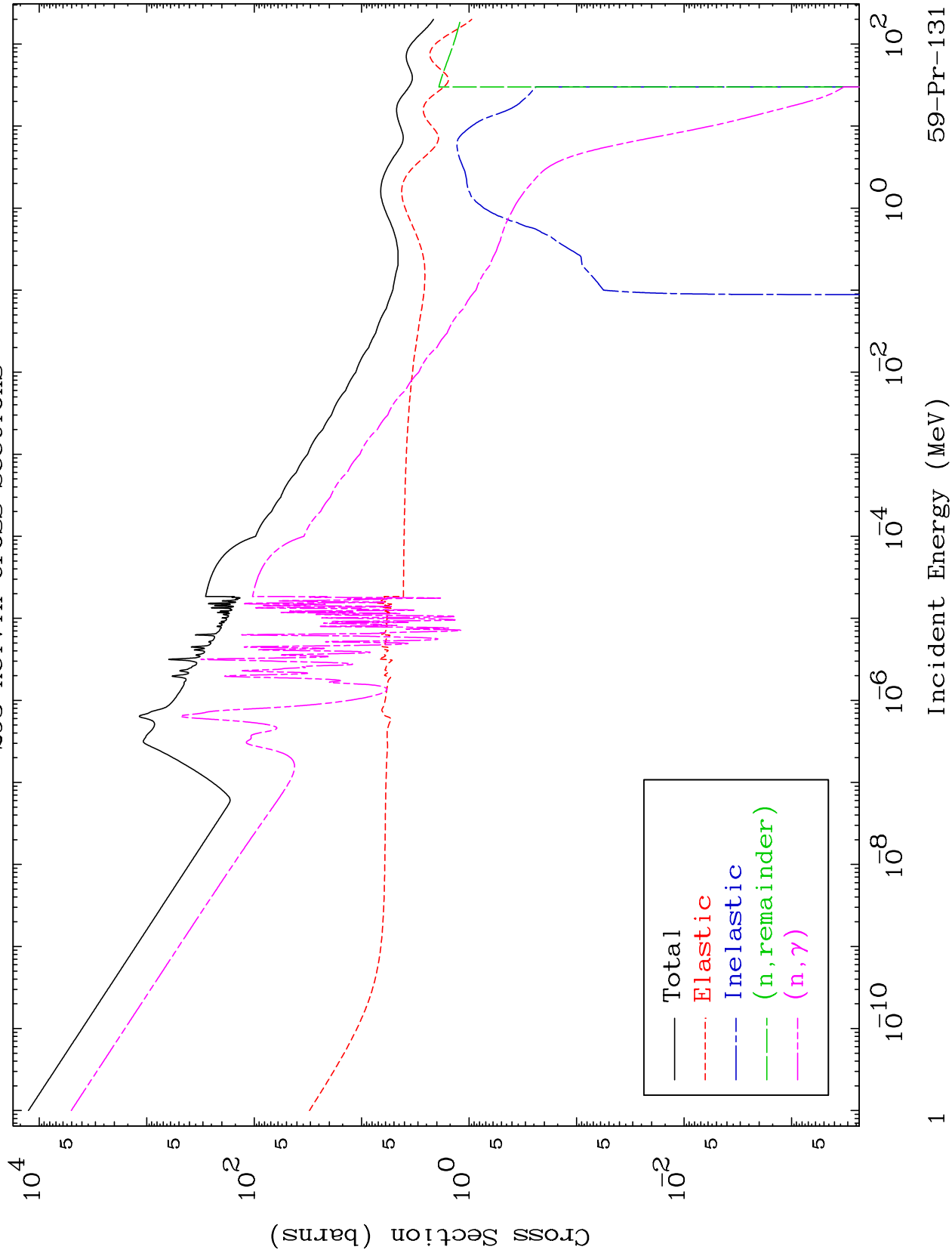
Press Mouse Button to Start

MAT 5895

Major

293 Kelvin Cross Sections

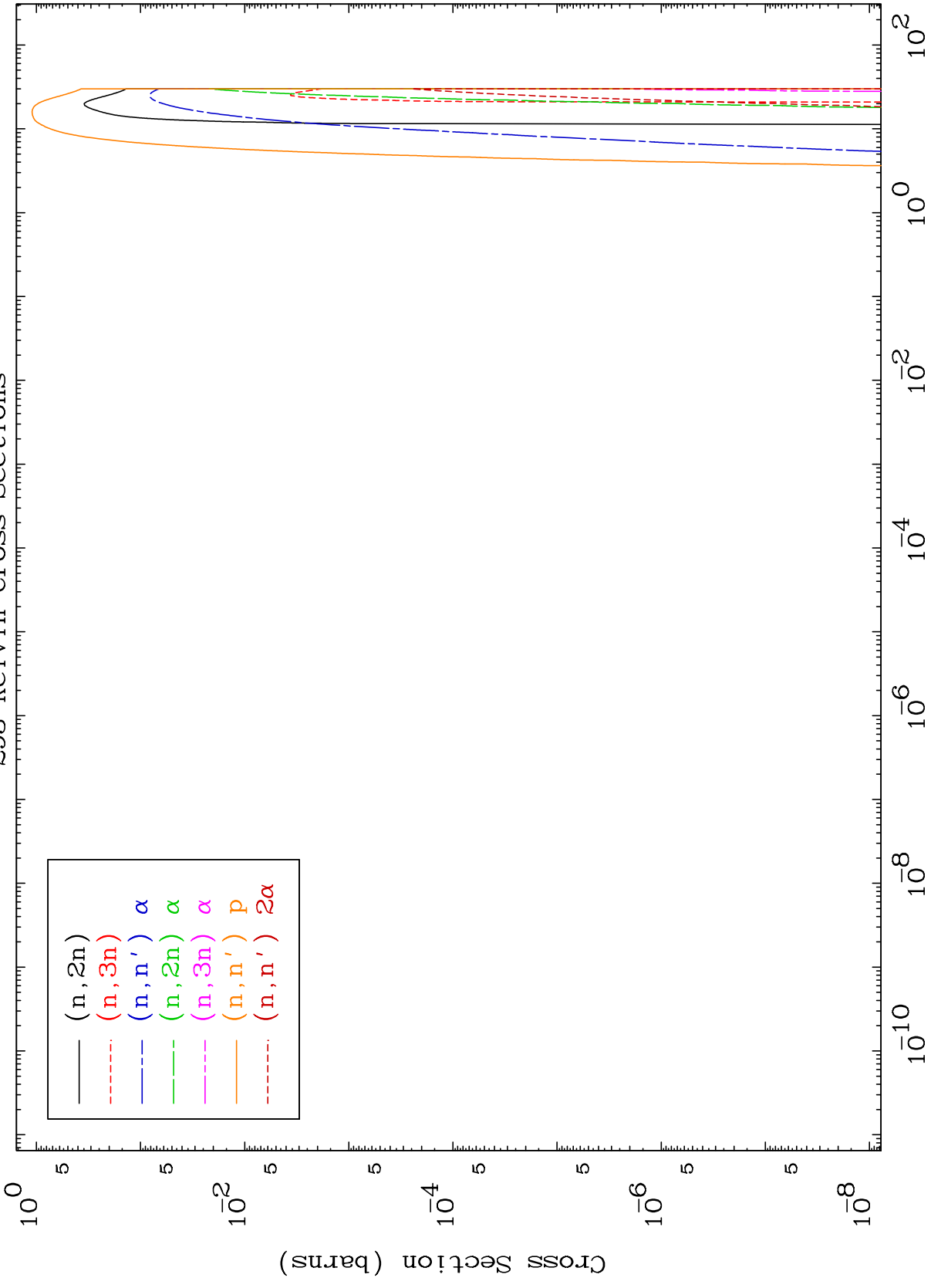
59-Pr-131

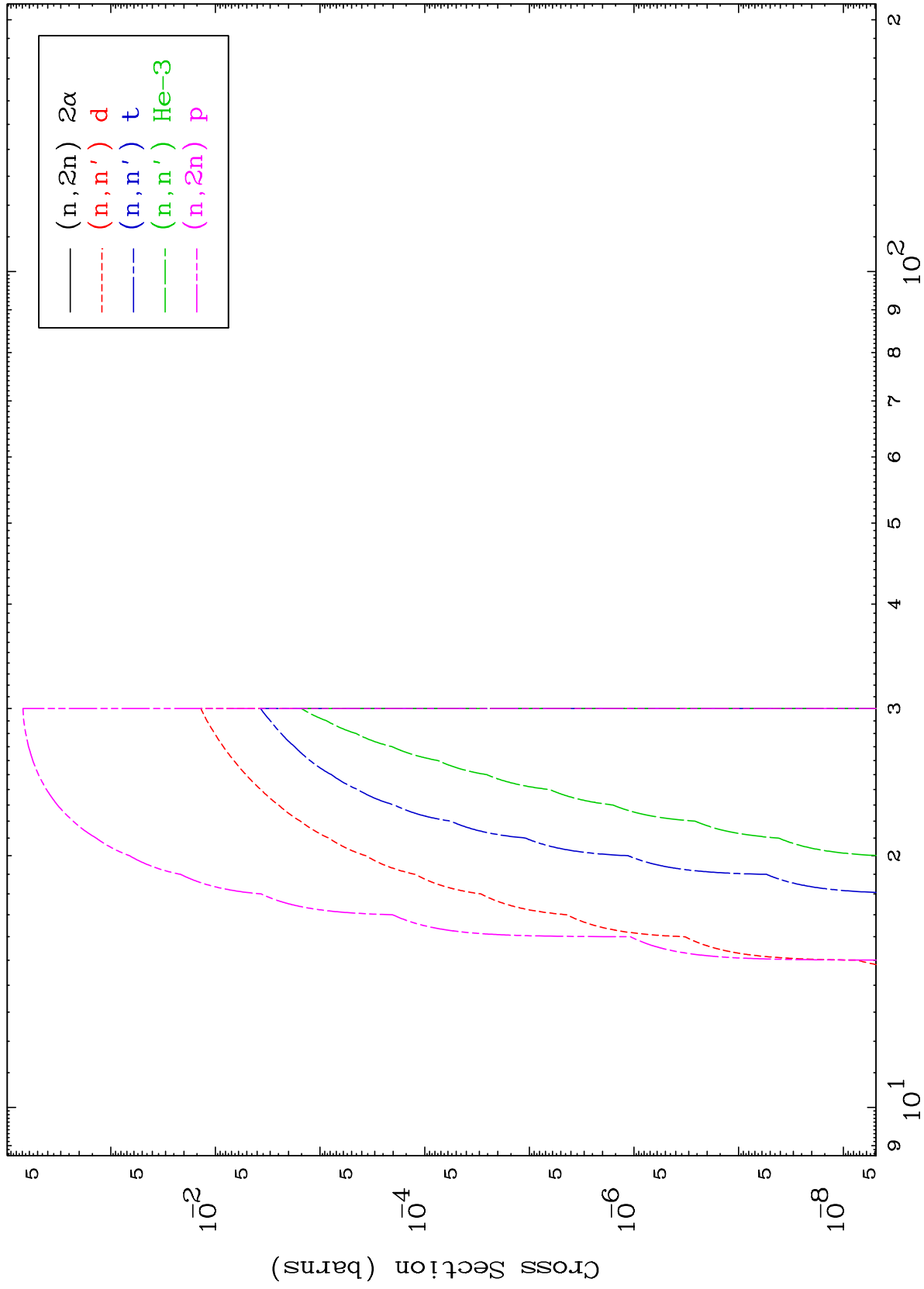


MAT 5895

Neutron Production
293 Kelvin Cross Sections

59-Pr-131

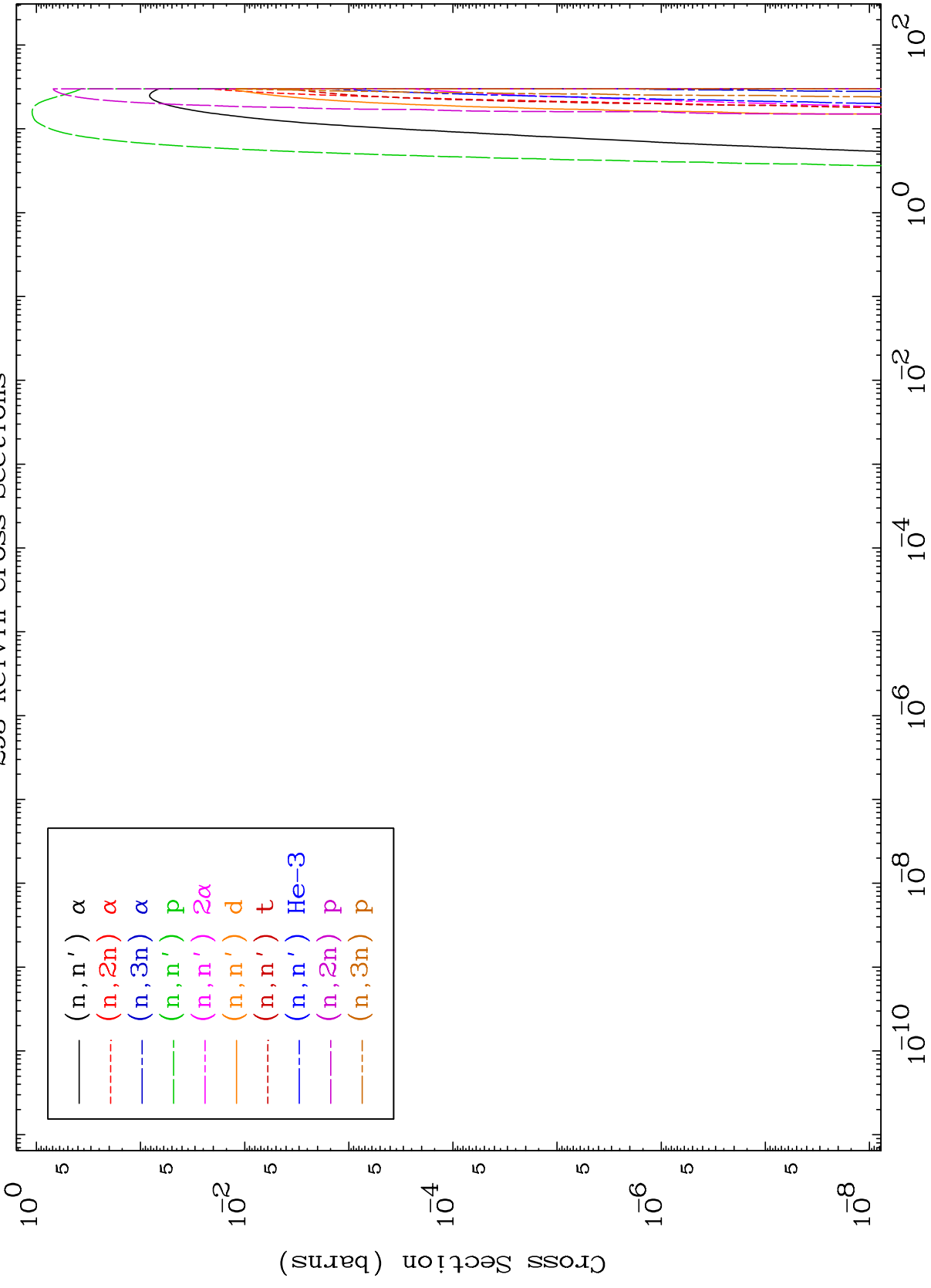




MAT 5895

293 Charged Particle
Kelvin Cross Sections

59-Pr-131

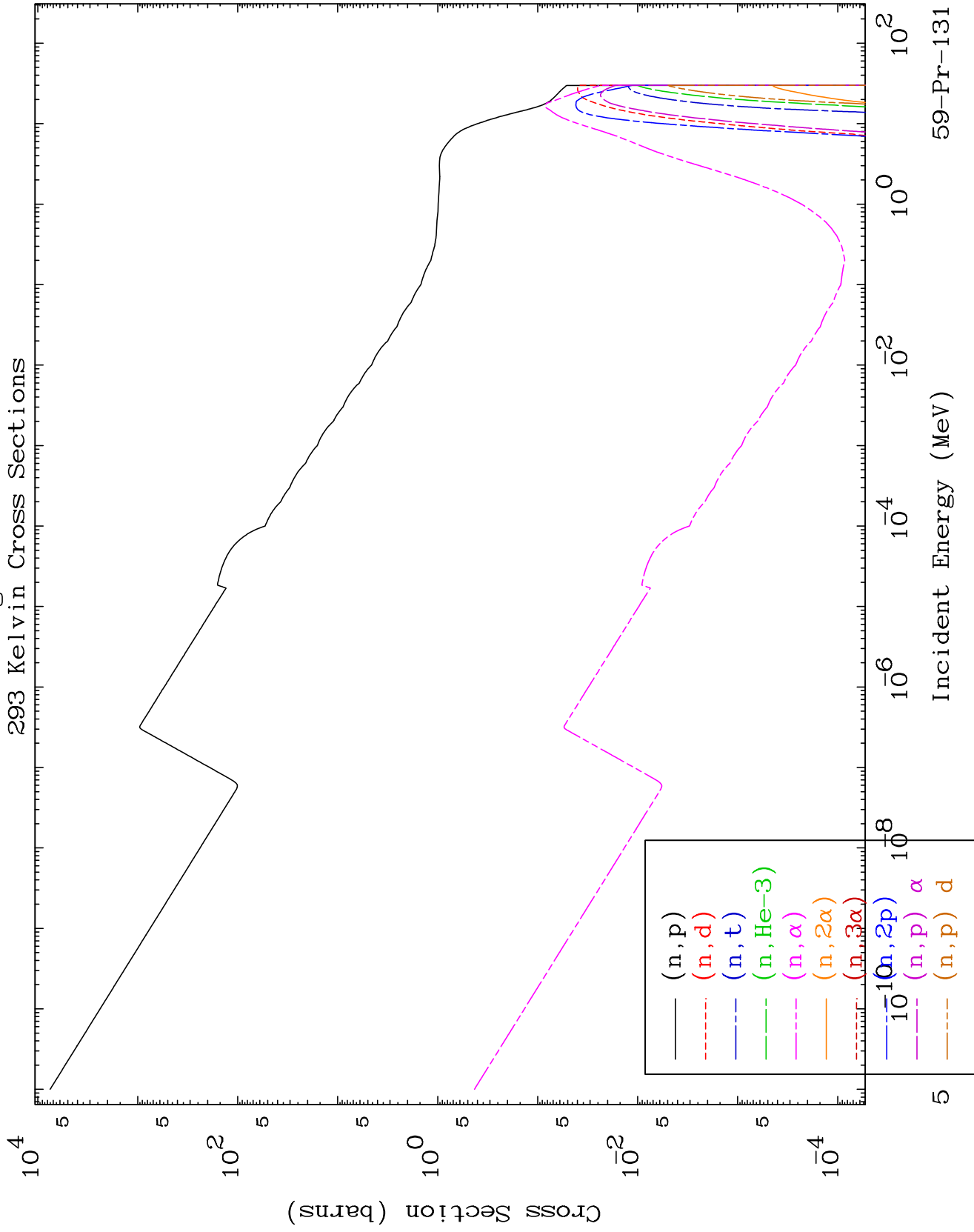


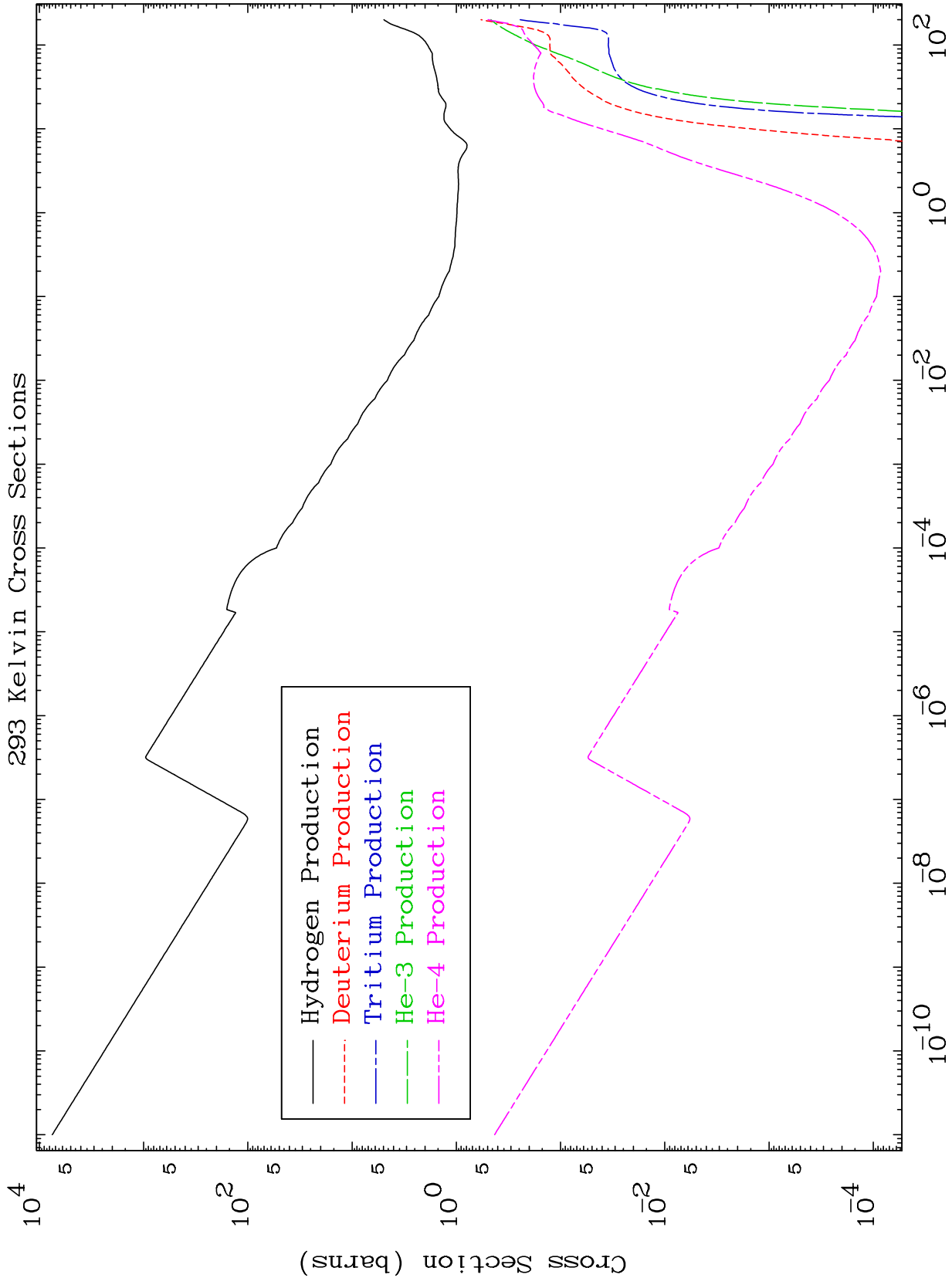
59-Pr-131

MAT 5895

Charged Particle
293 Kelvin Cross Sections

59-Pr-131



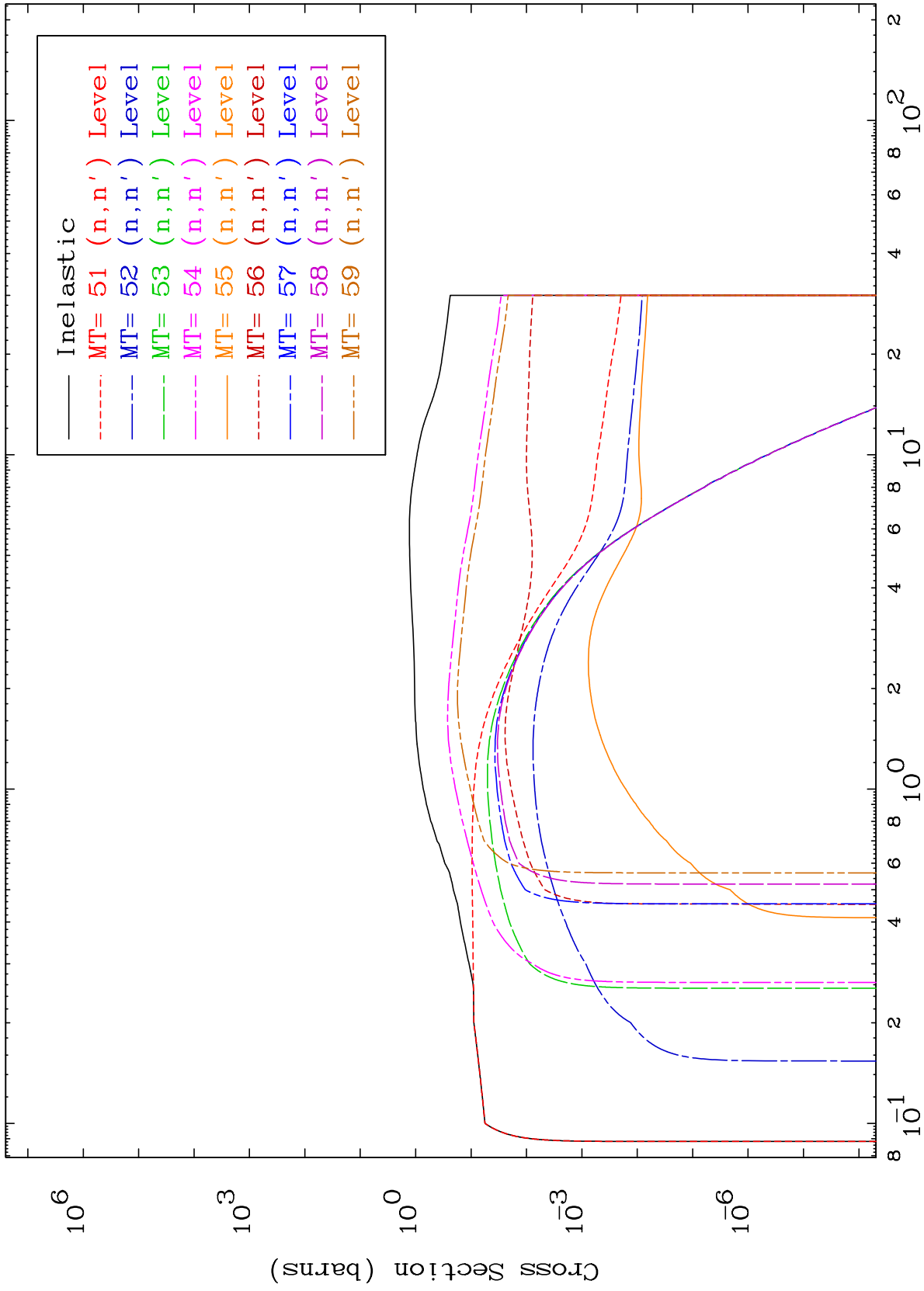


MAT 5895

(n,n') Level

59-Pr-131

293 Kelvin Cross Sections



7

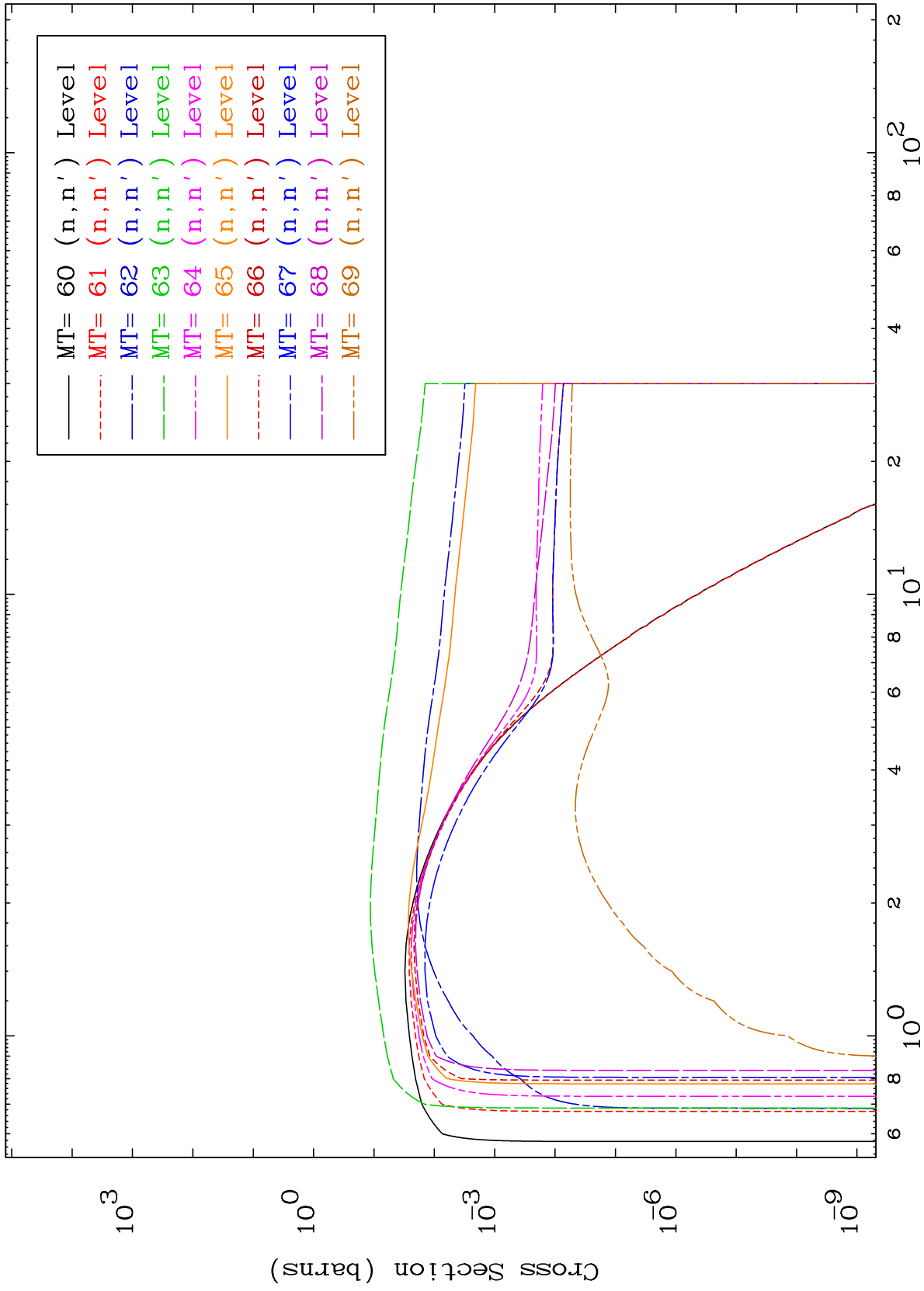
Incident Energy (MeV)

59-Pr-131

MAT 5895

(n,n') Level
293 Kelvin Cross Sections

59-Pr-131



8

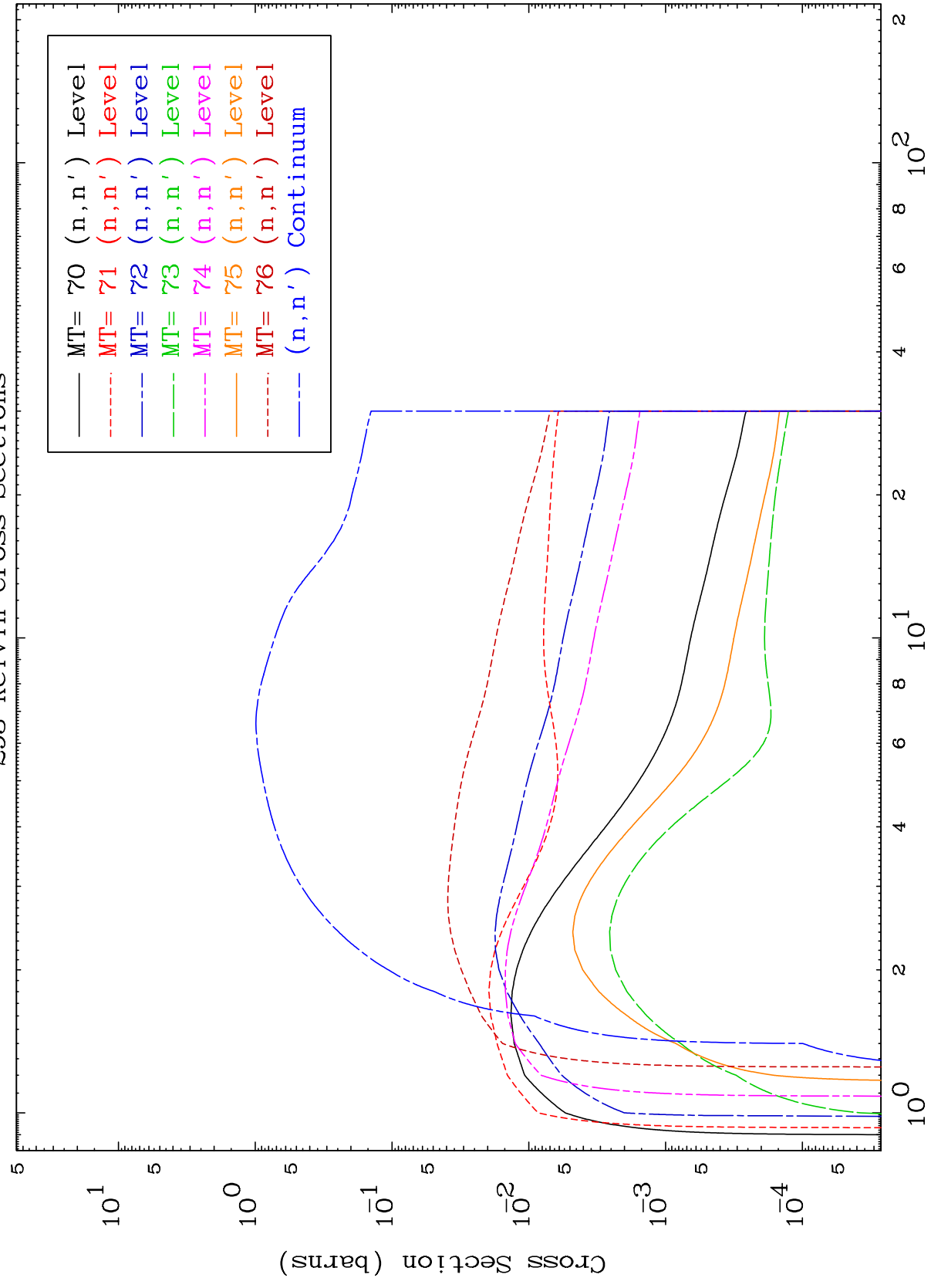
Incident Energy (MeV)

59-Pr-131

MAT 5895

(n,n') Level
293 Kelvin Cross Sections

59-Pr-131



59-Pr-131

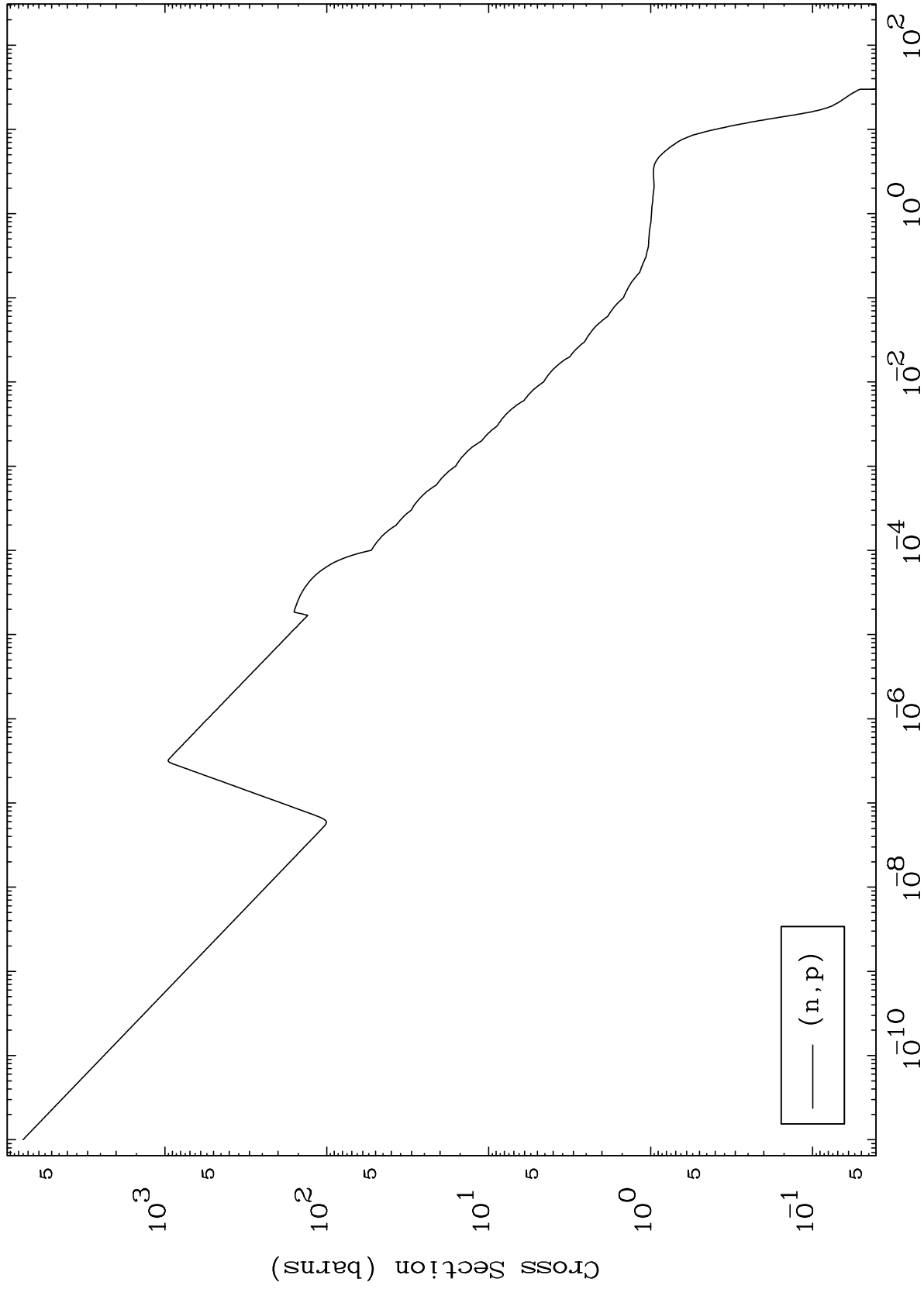
Incident Energy (MeV)

9

MAT 5895

(n,p) Levels
293 Kelvin Cross Sections

59-Pr-131



10

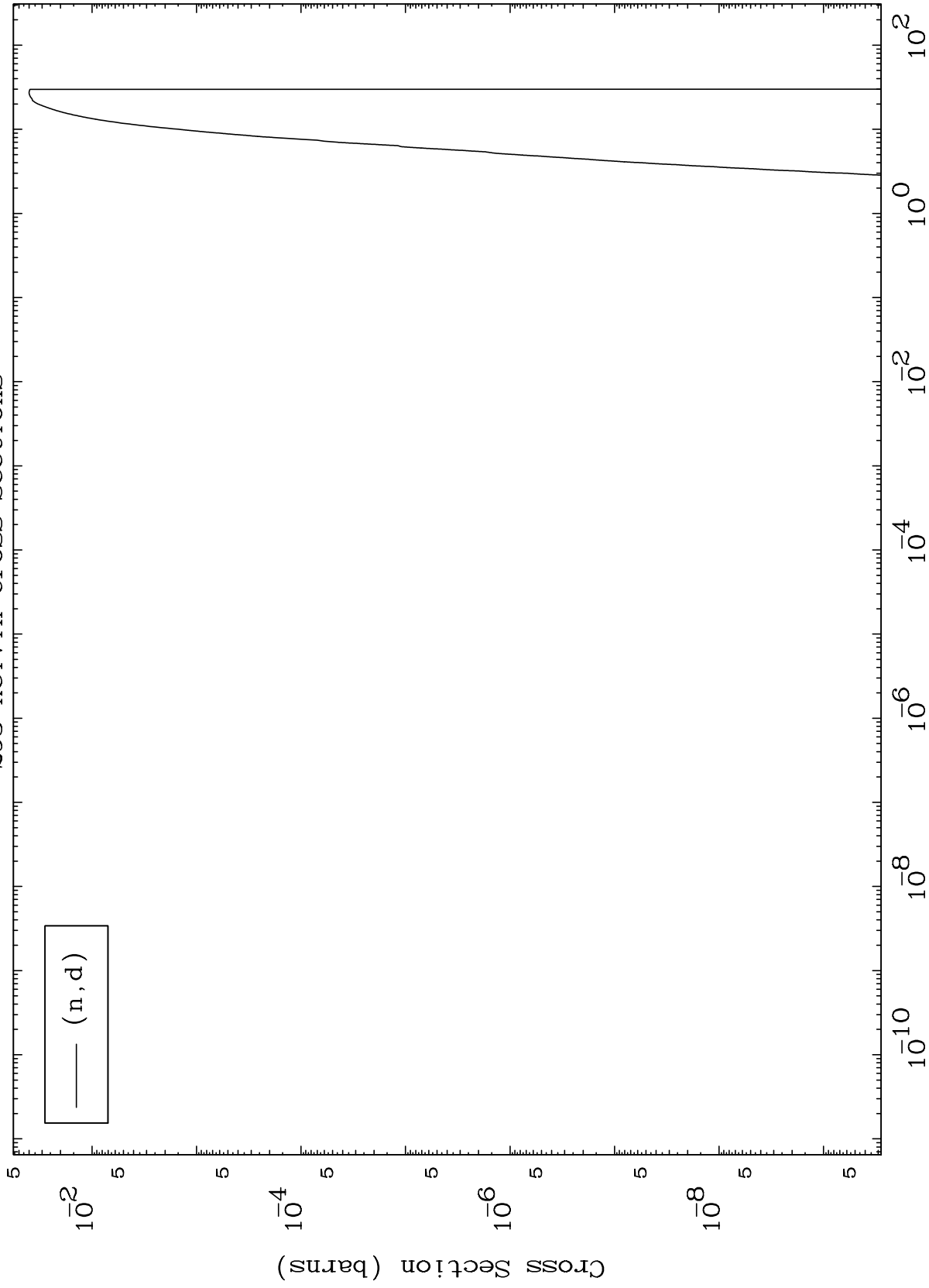
Incident Energy (MeV)

59-Pr-131

MAT 5895

(n,d) Levels
293 Kelvin Cross Sections

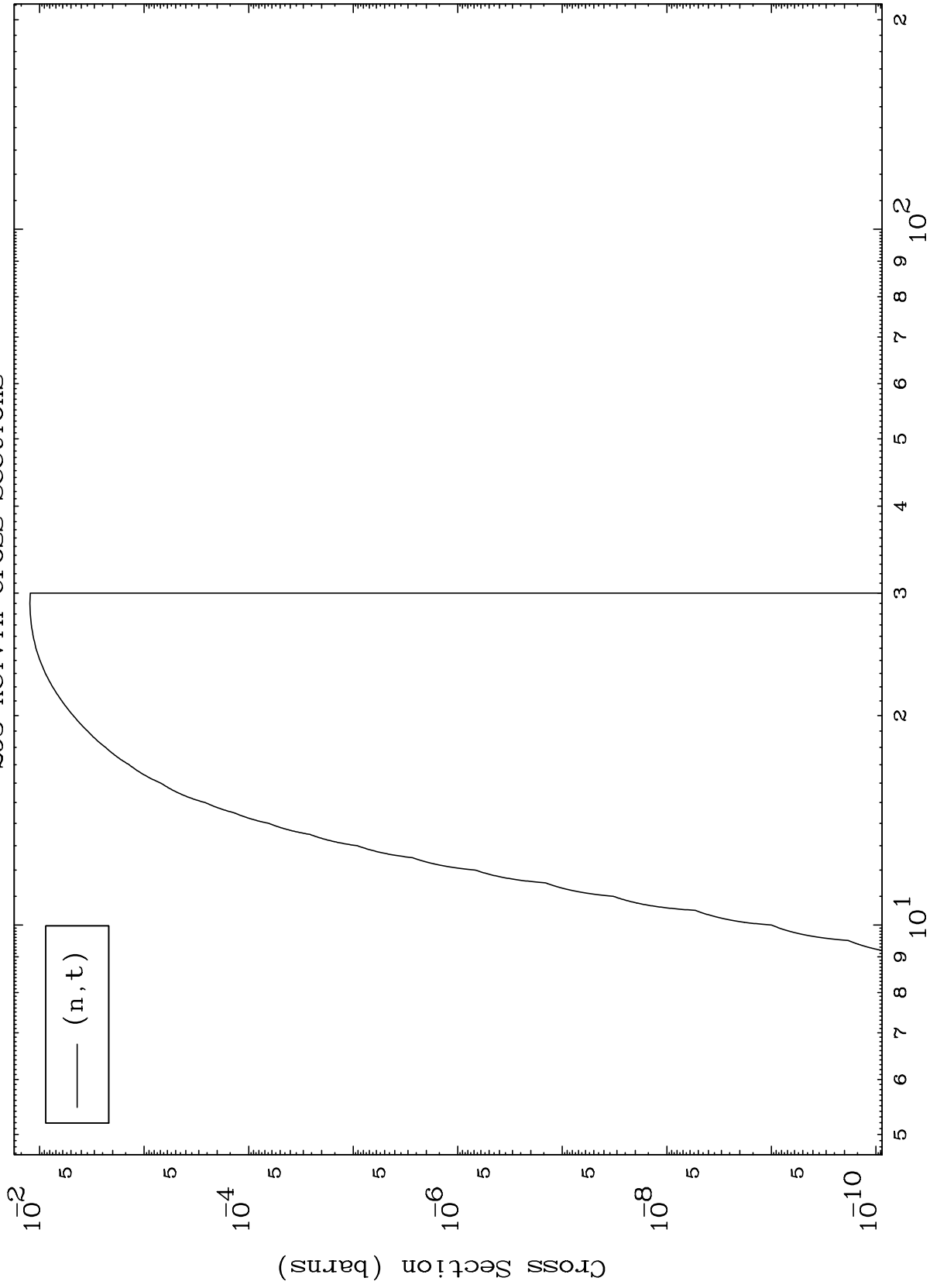
59-Pr-131



MAT 5895

(n,t) Levels
293 Kelvin Cross Sections

59-Pr-131



12

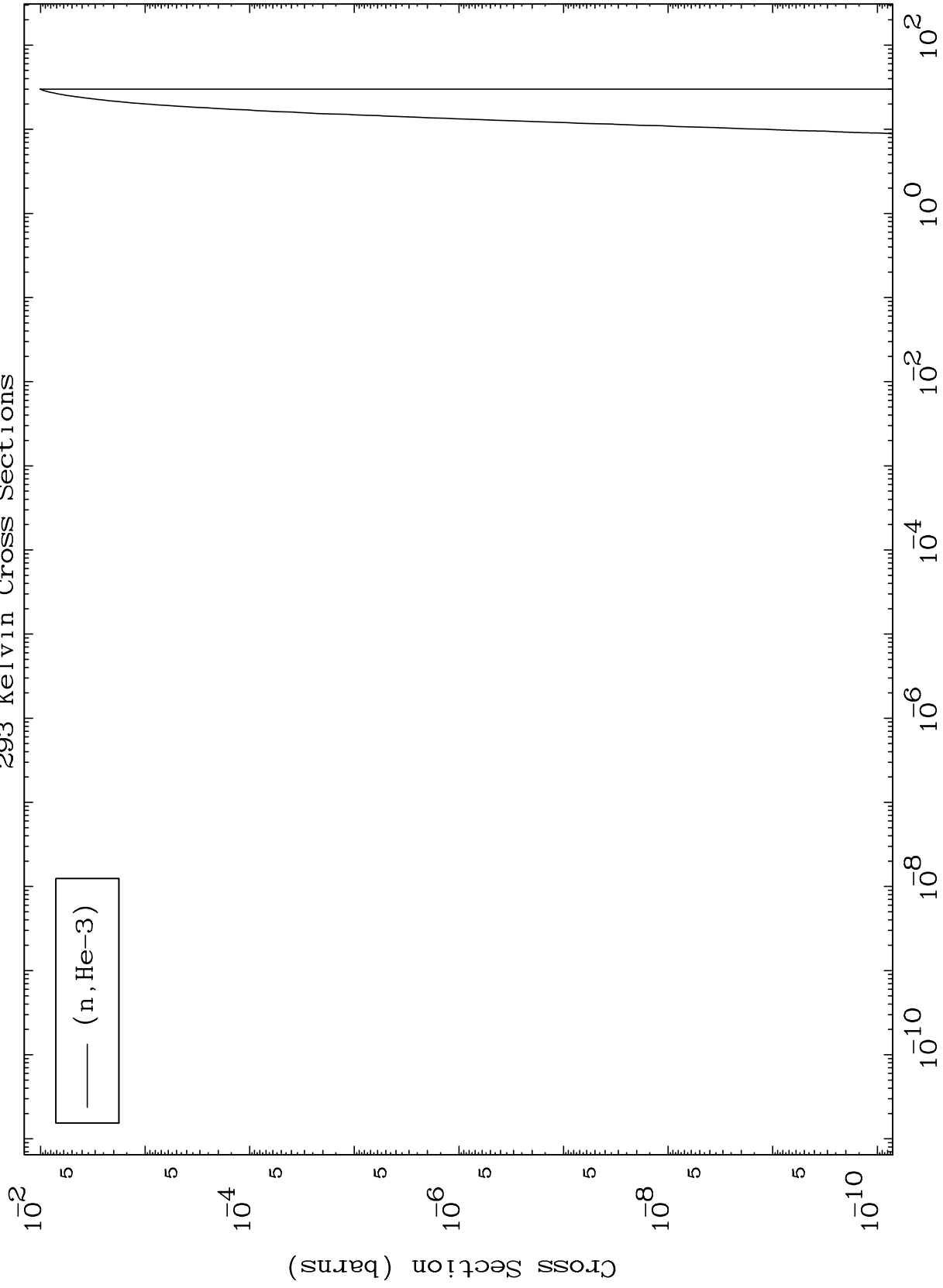
Incident Energy (MeV)

59-Pr-131

MAT 5895

(n,He3) Levels
293 Kelvin Cross Sections

59-Pr-131

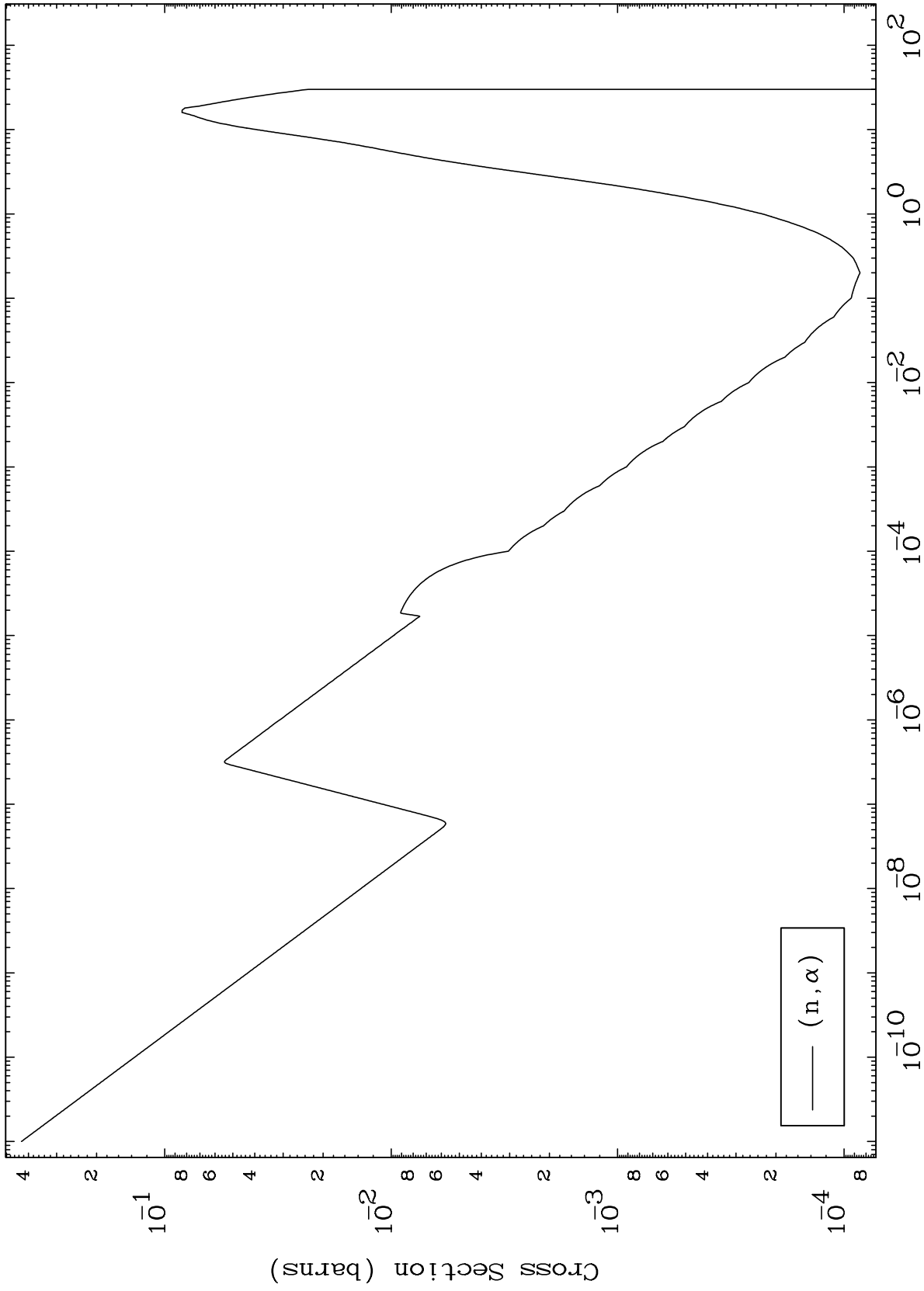


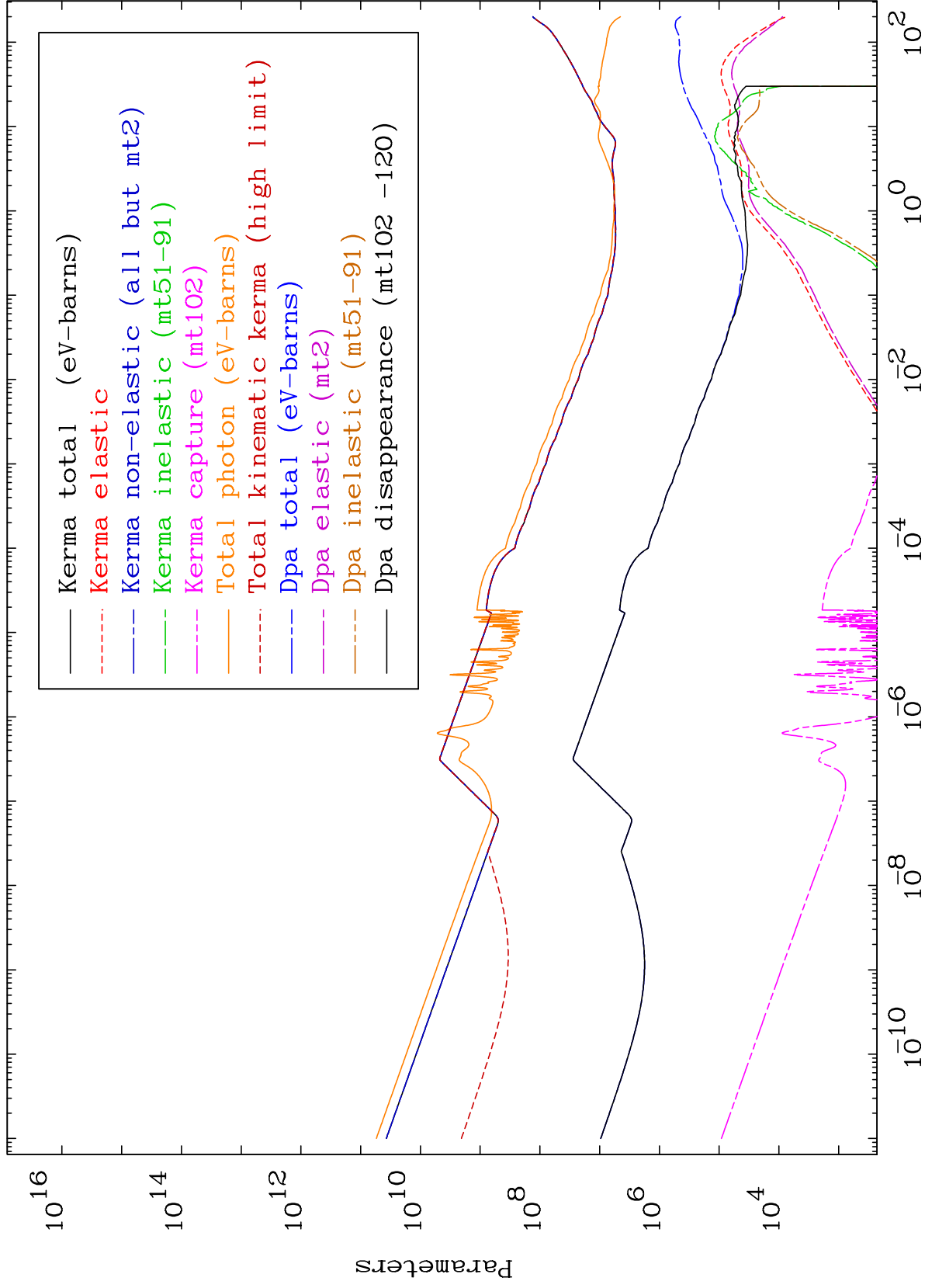
(n, He-3)

MAT 5895

(n,α) Levels
293 Kelvin Cross Sections

59-Pr-131

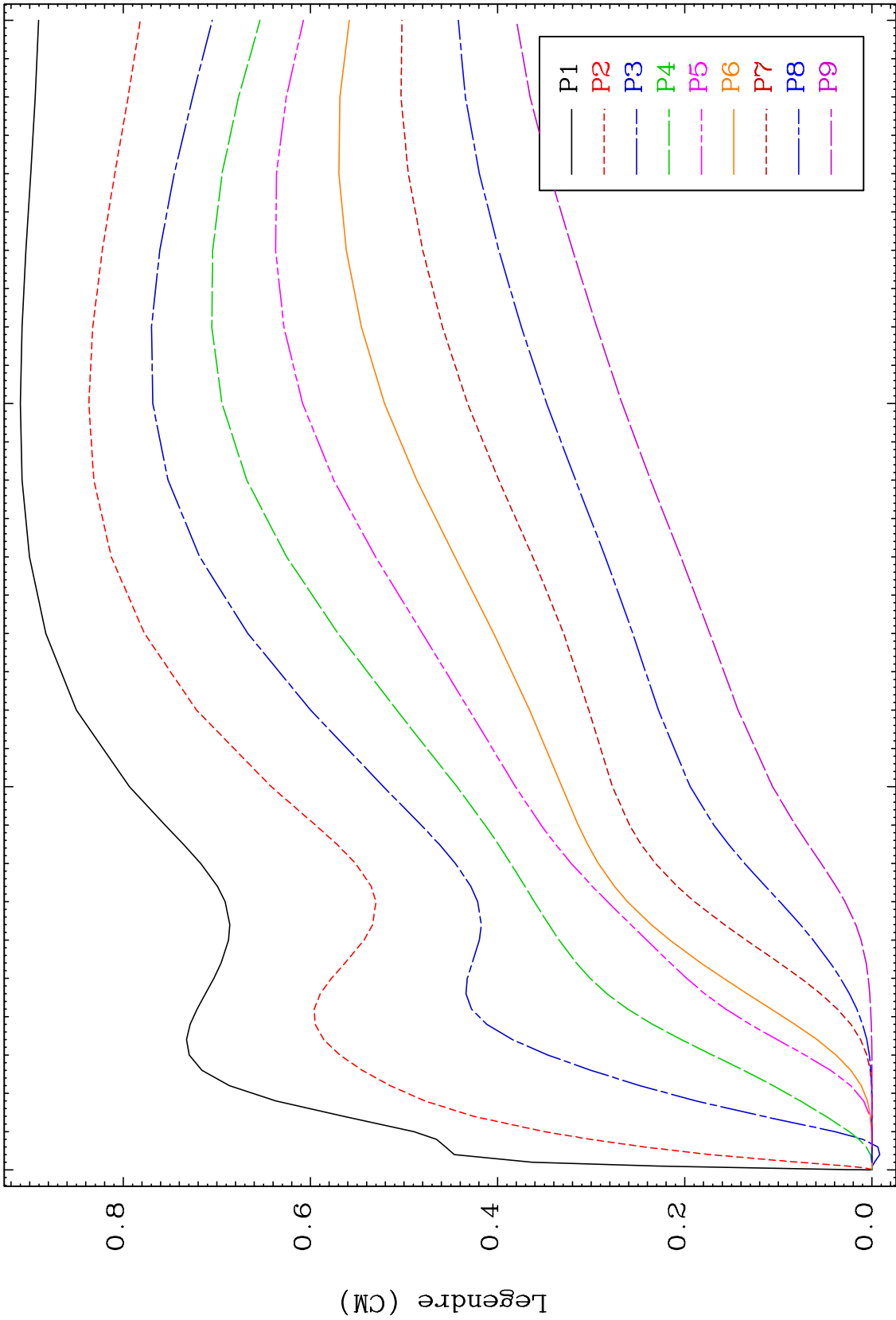




MAT 5895

Elastic Legendre Coefficients

59-Pr-131



16

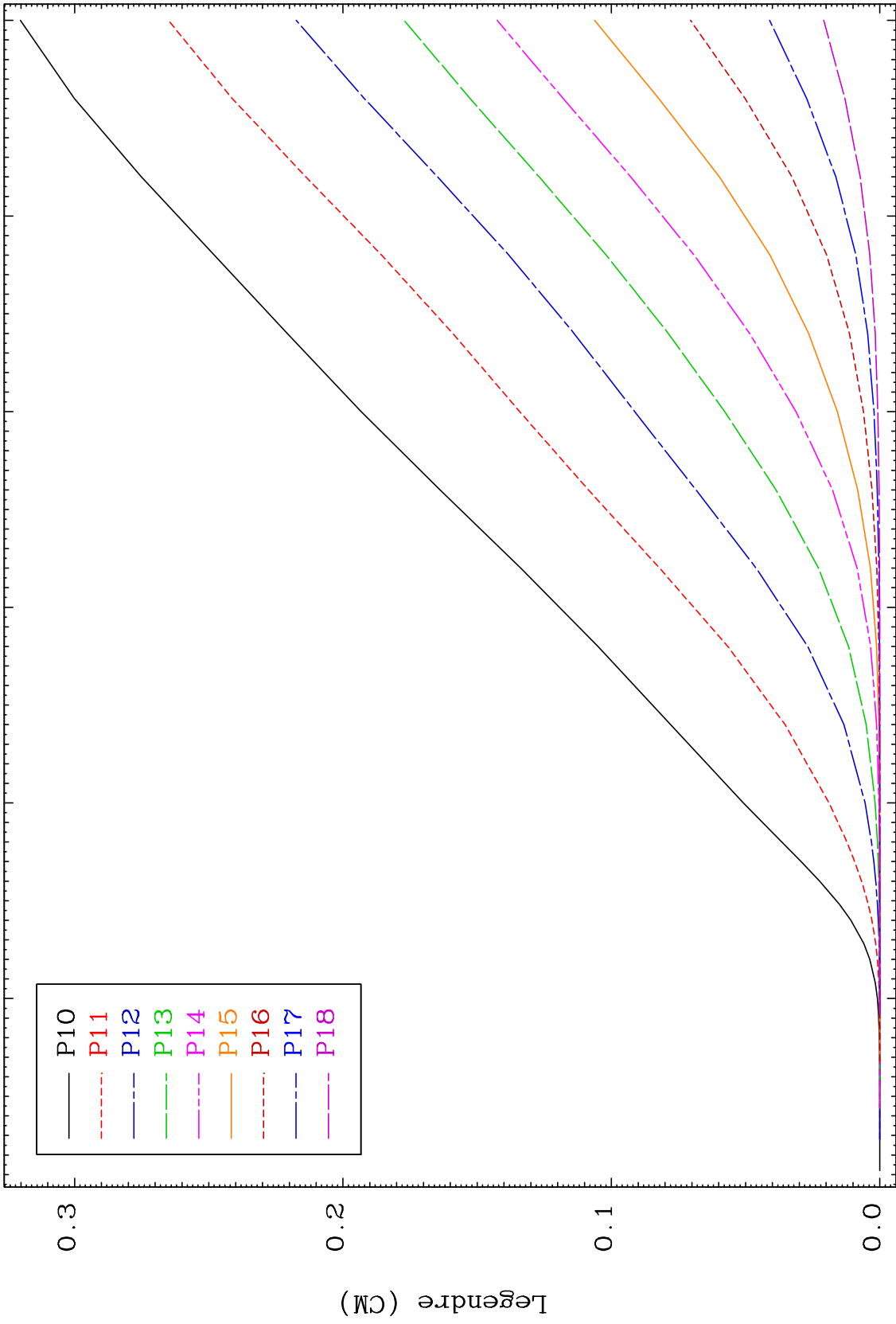
Incident Energy (MeV)

59-Pr-131

MAT 5895

Elastic
Legendre Coefficients

59-Pr-131



17

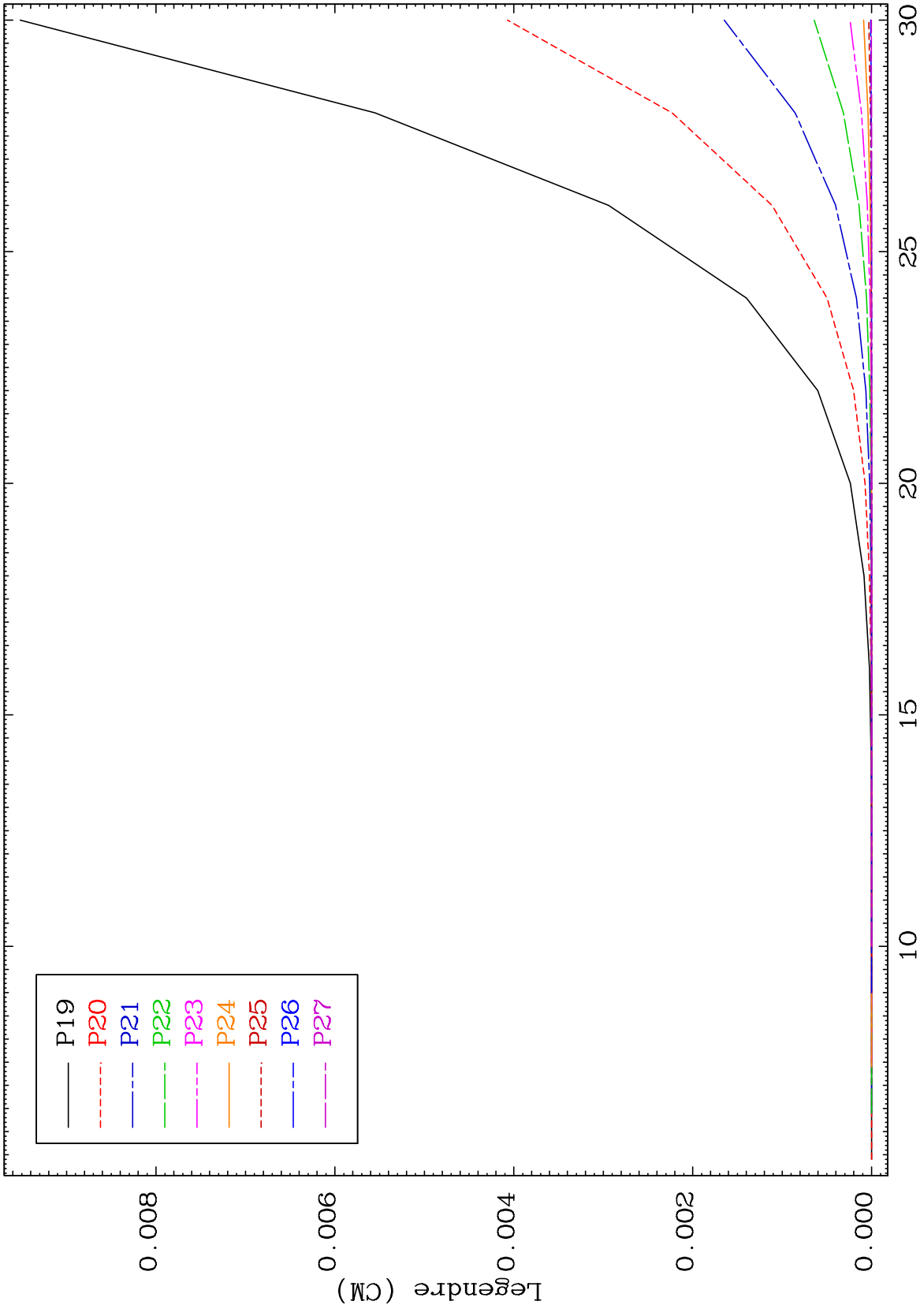
Incident Energy (MeV)

59-Pr-131

MAT 5895

Elastic Legendre Coefficients

59-Pr-131



18

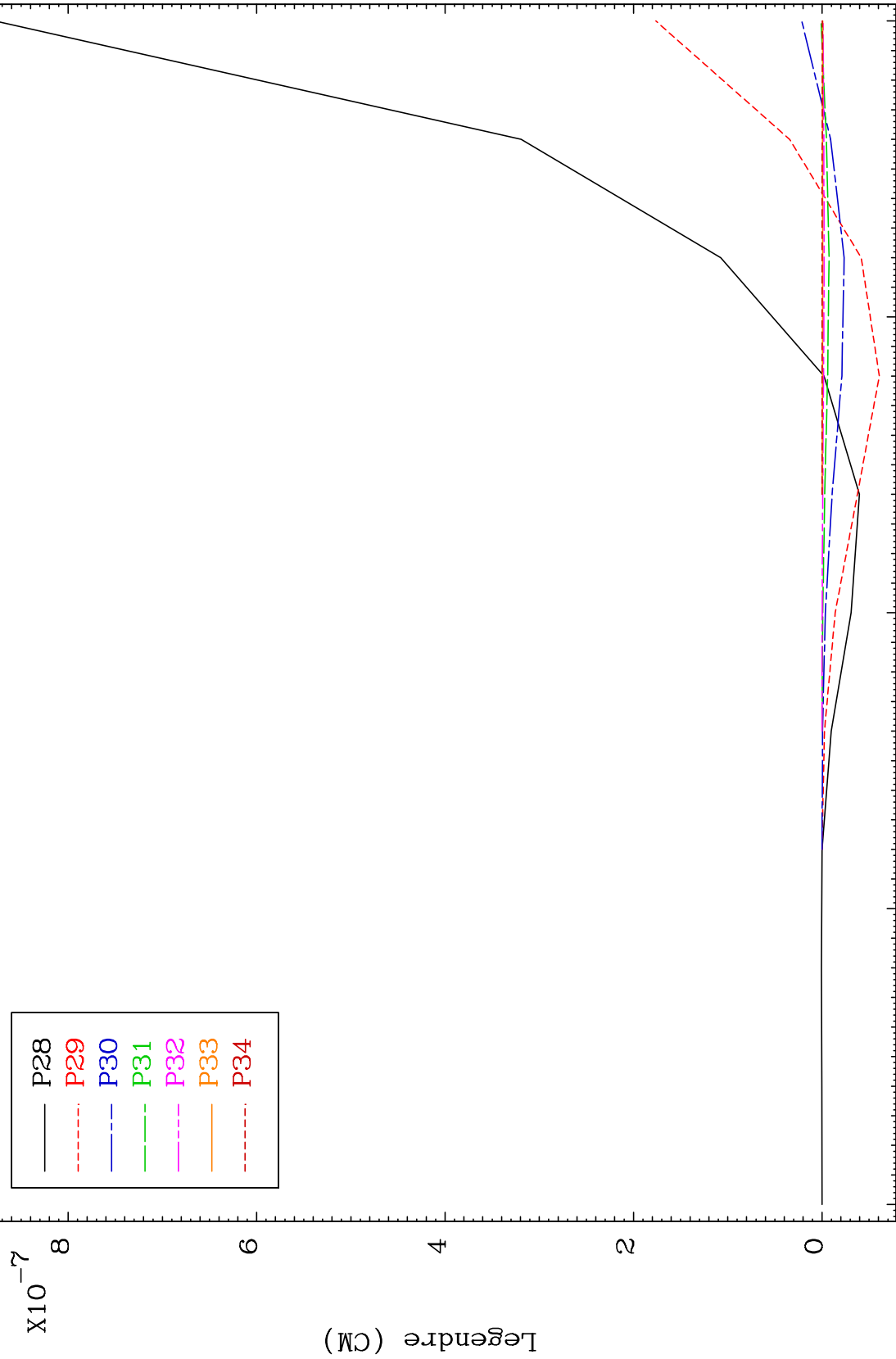
Incident Energy (MeV)

59-Pr-131

MAT 5895

Elastic Legendre Coefficients

59-Pr-131



19

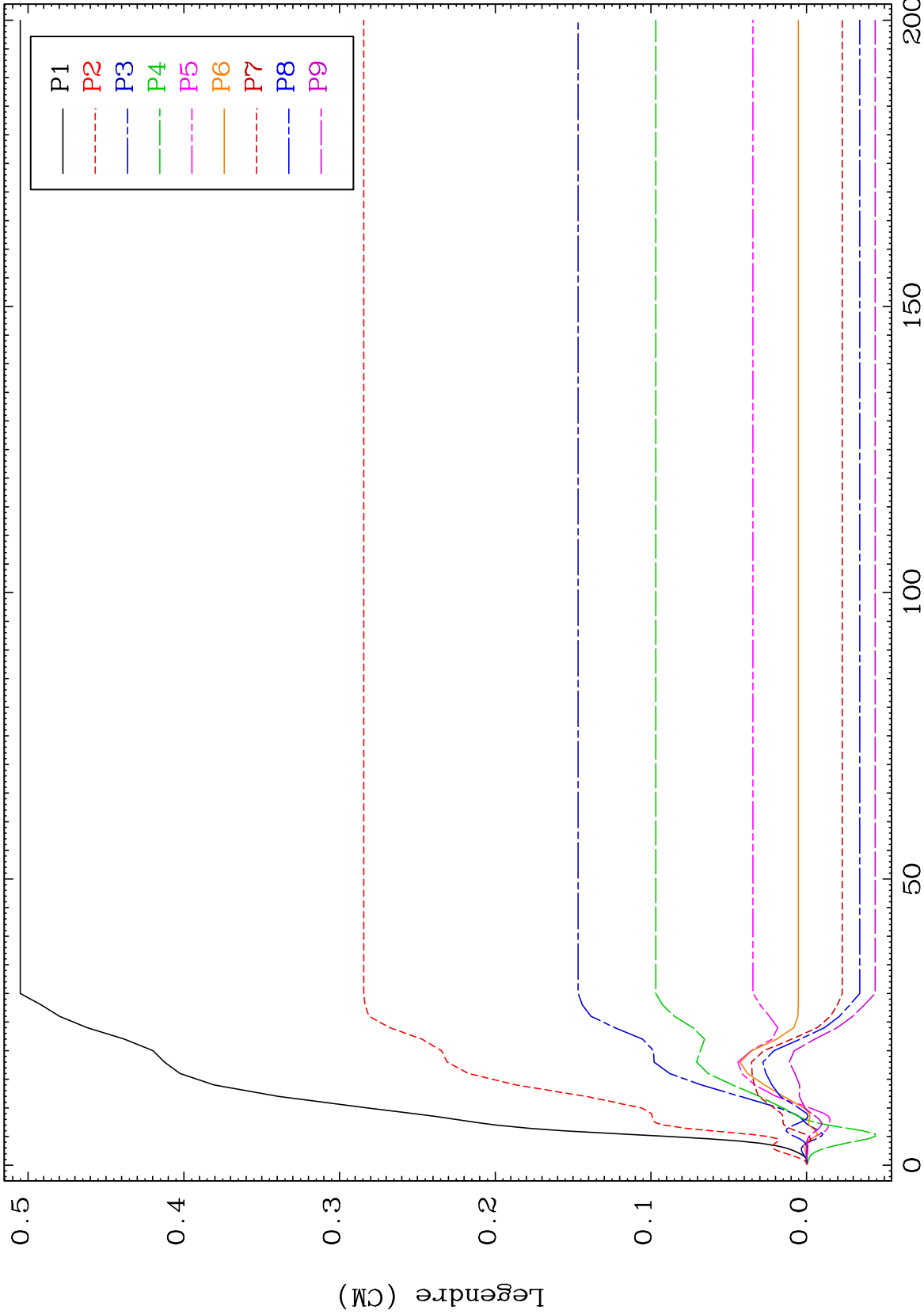
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131



59-Pr-131

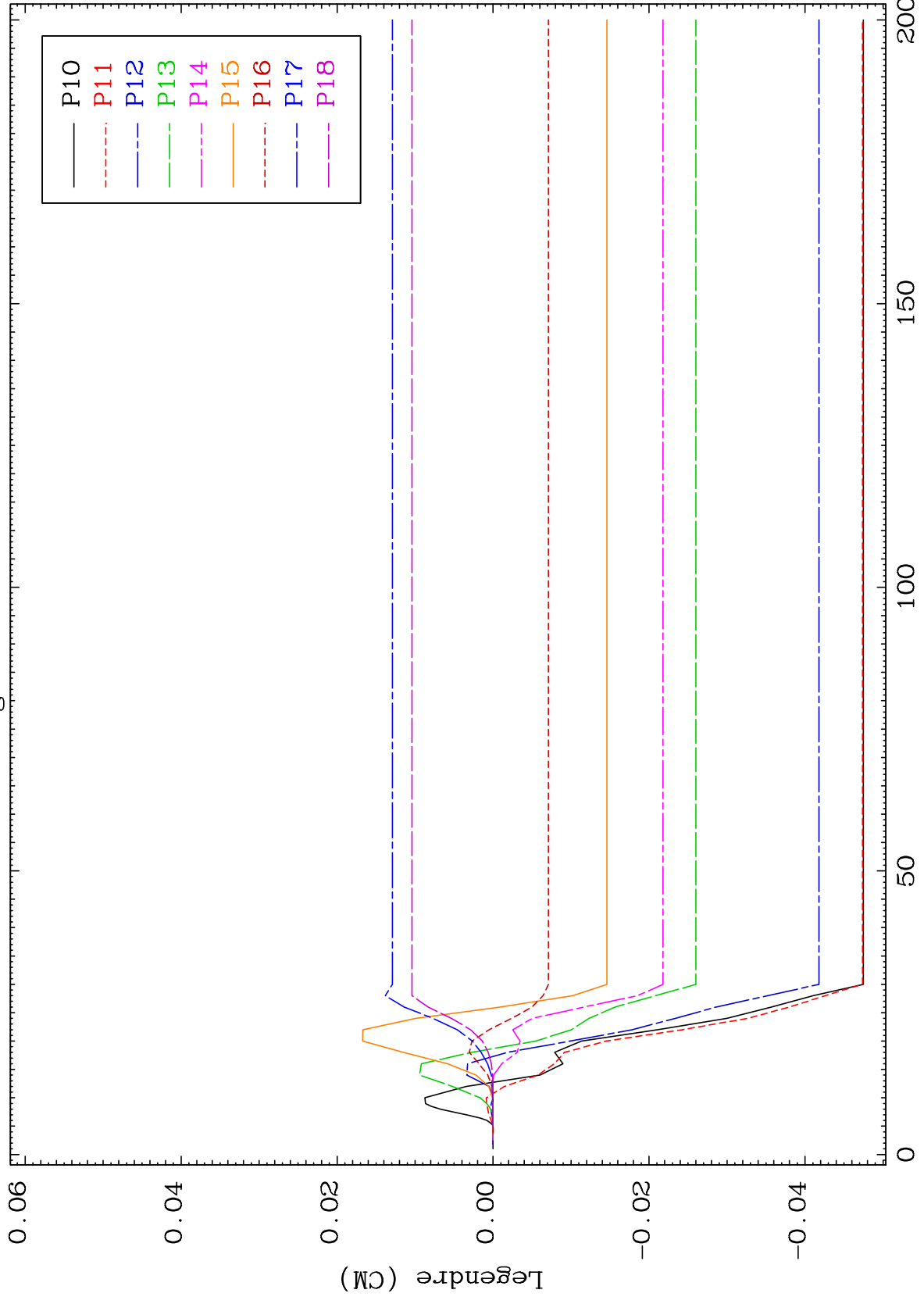
Incident Energy (MeV)

20

MAT 5895

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

59-Pr-131



21

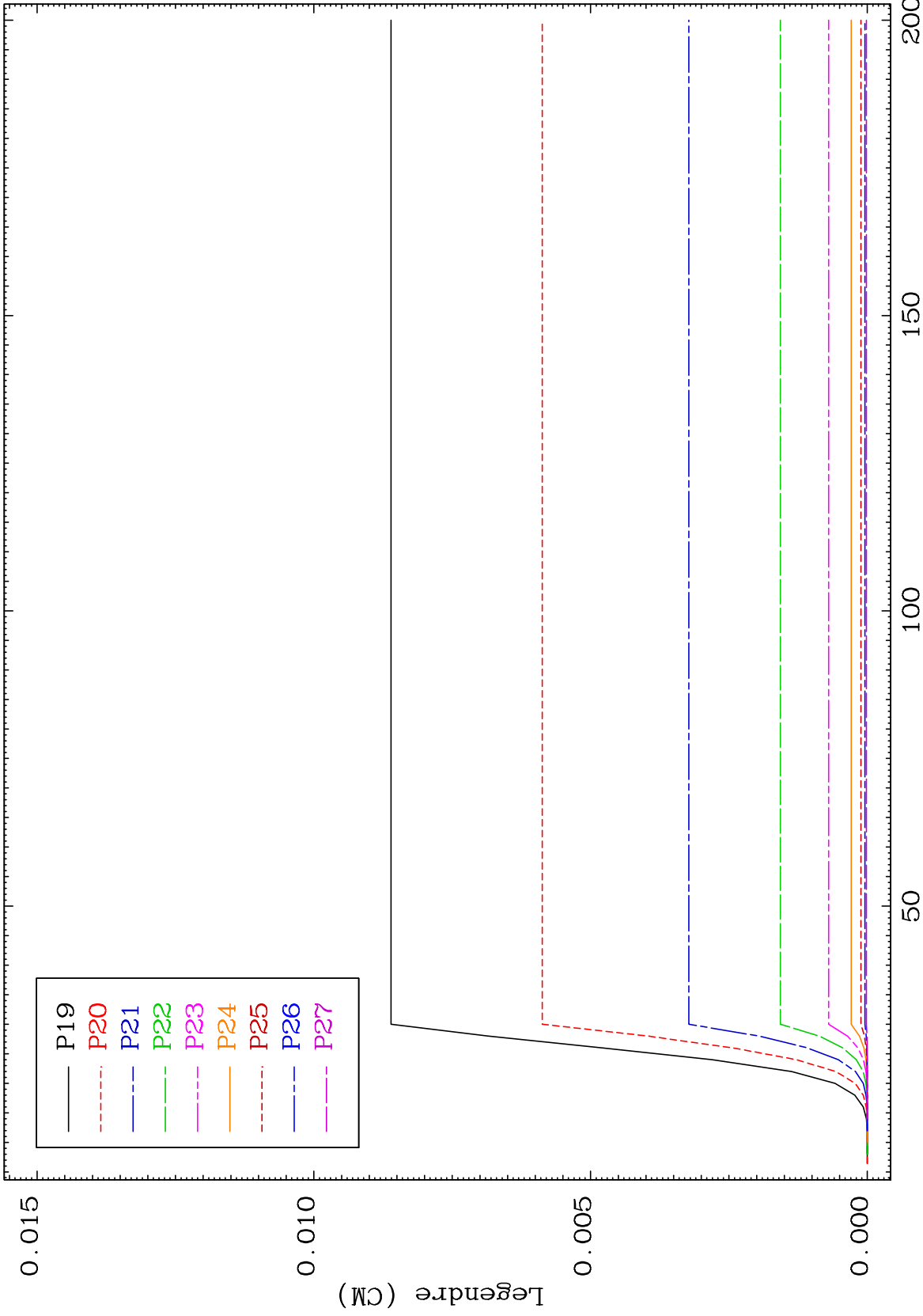
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131



22

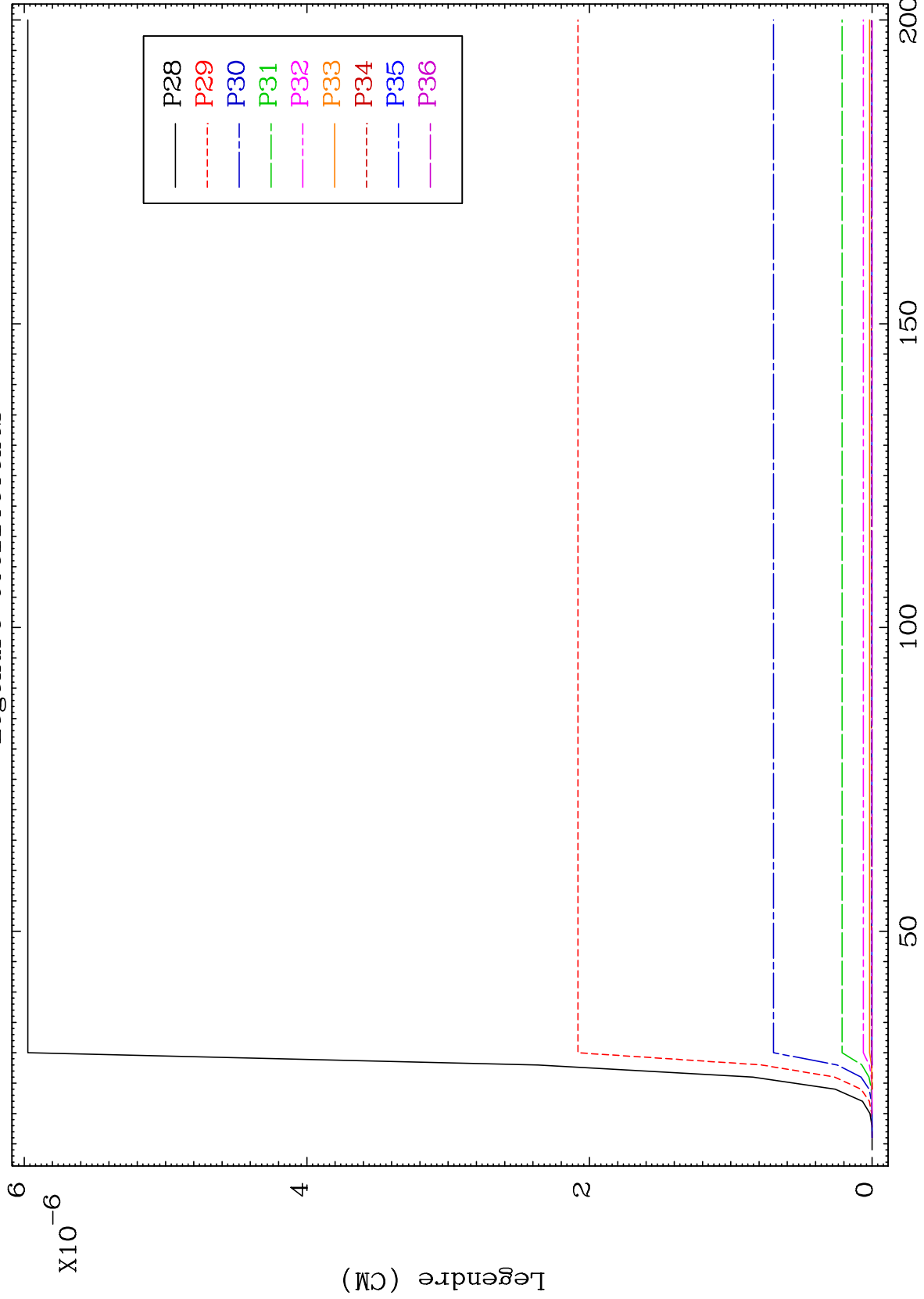
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131



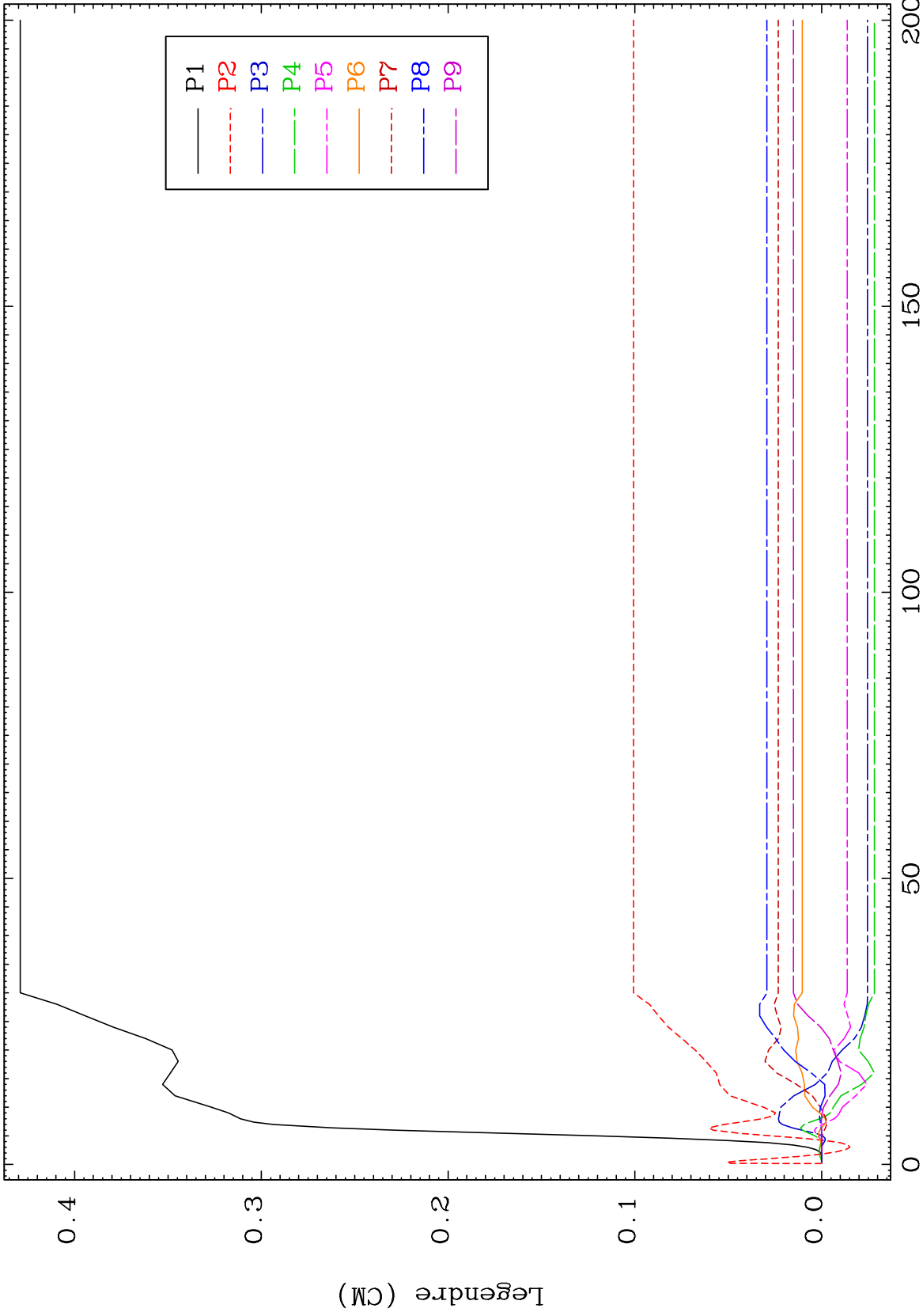
23

59-Pr-131

MAT 5895

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

59-Pr-131



24

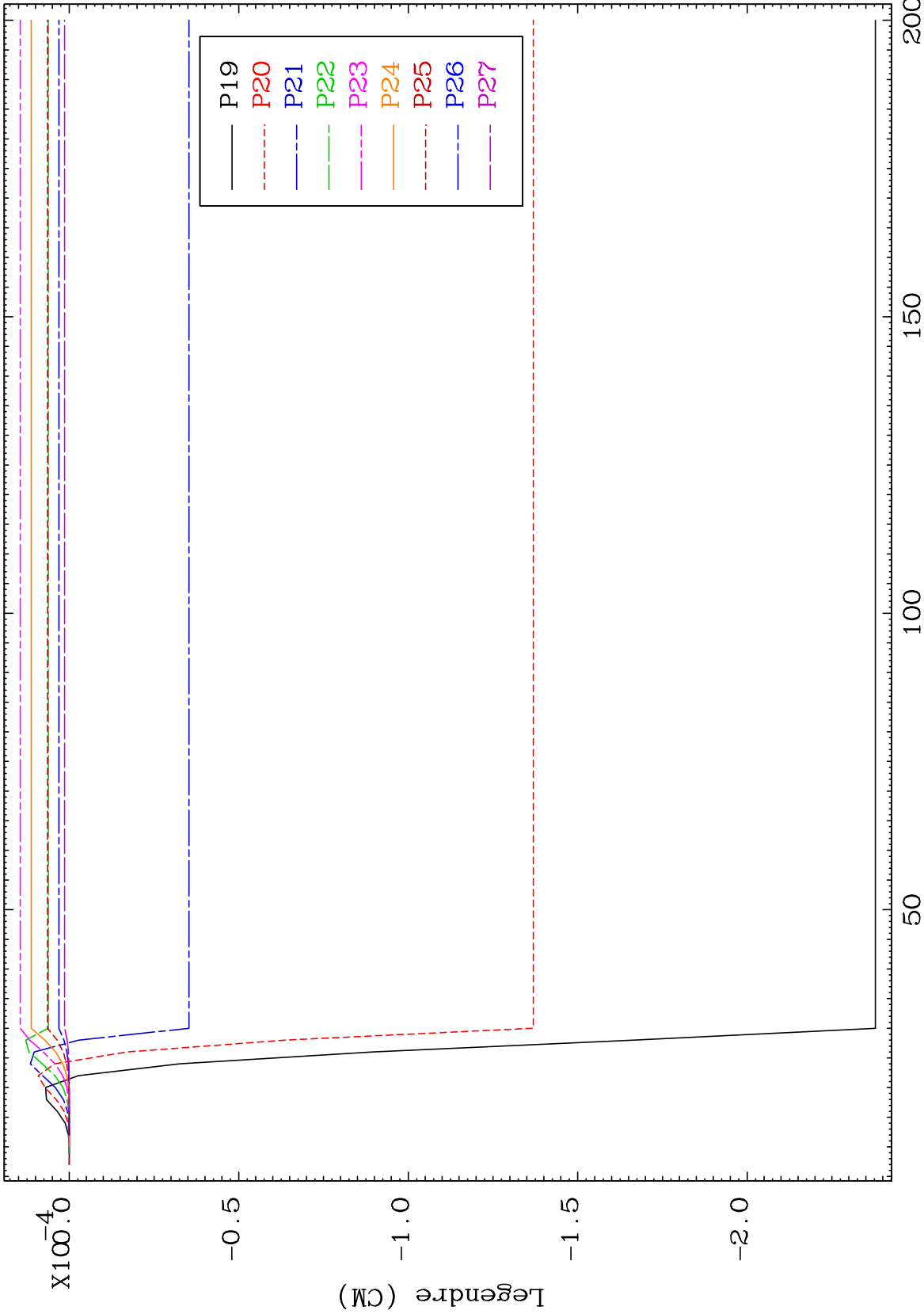
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131



26

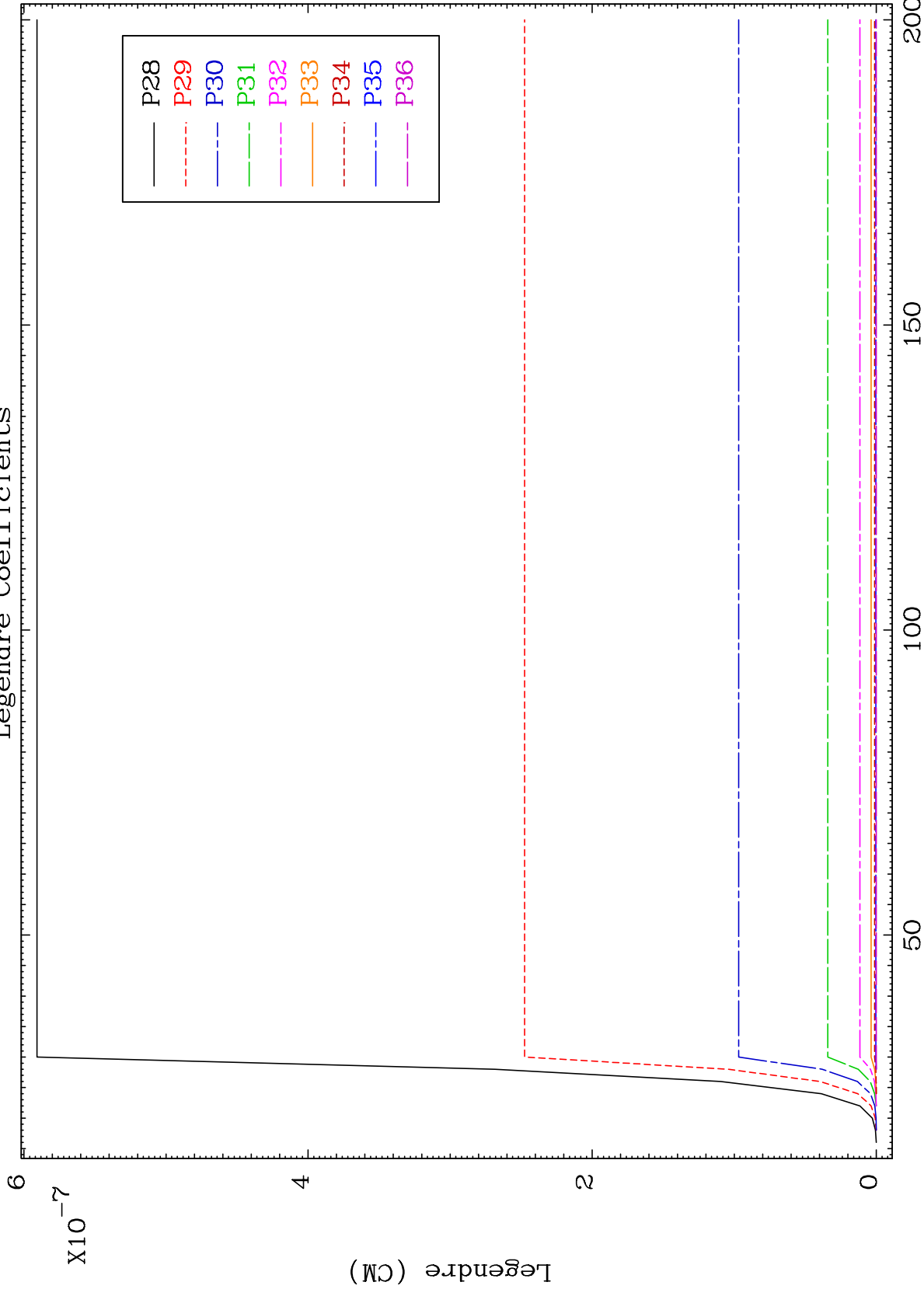
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131



27

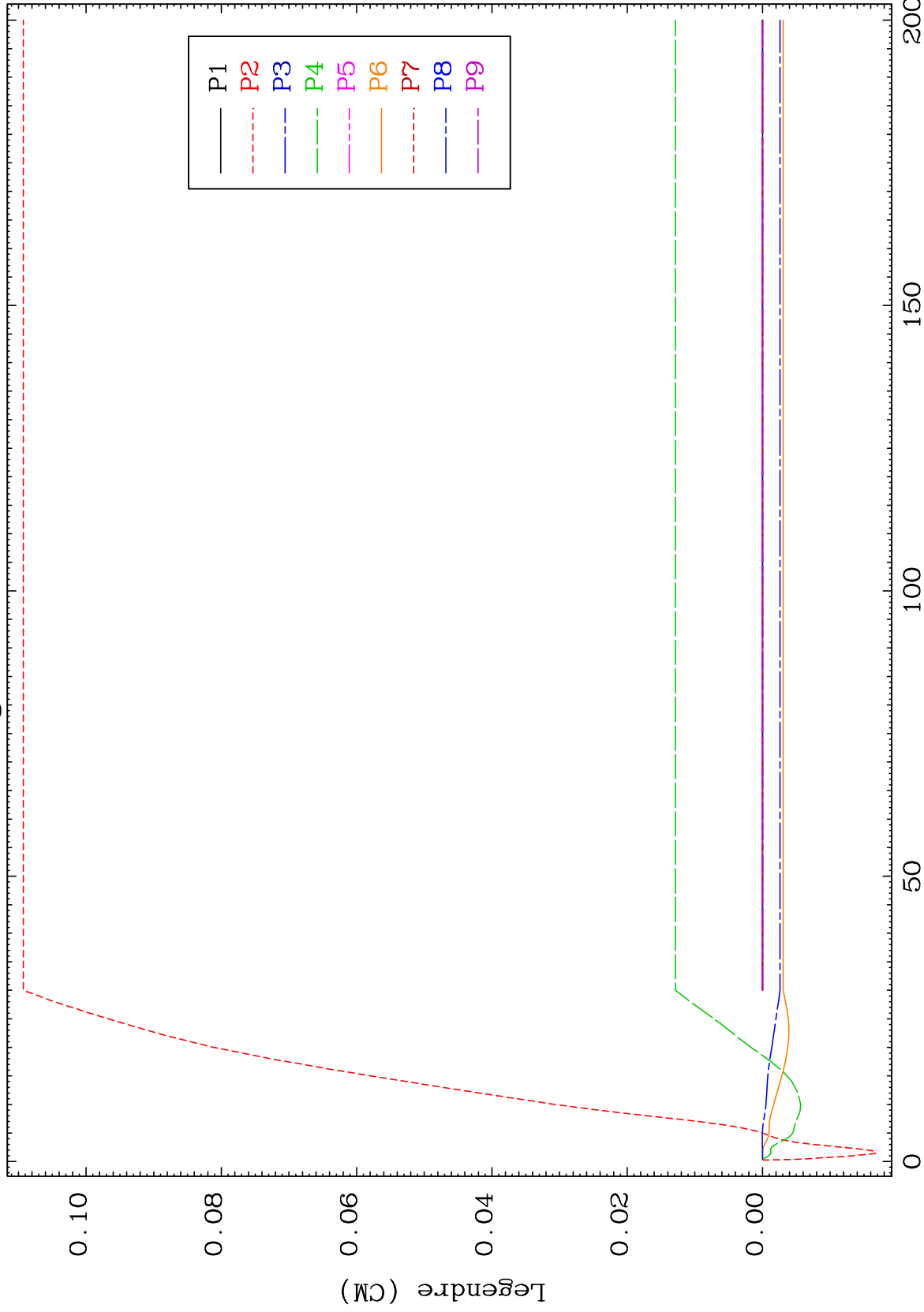
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131



28

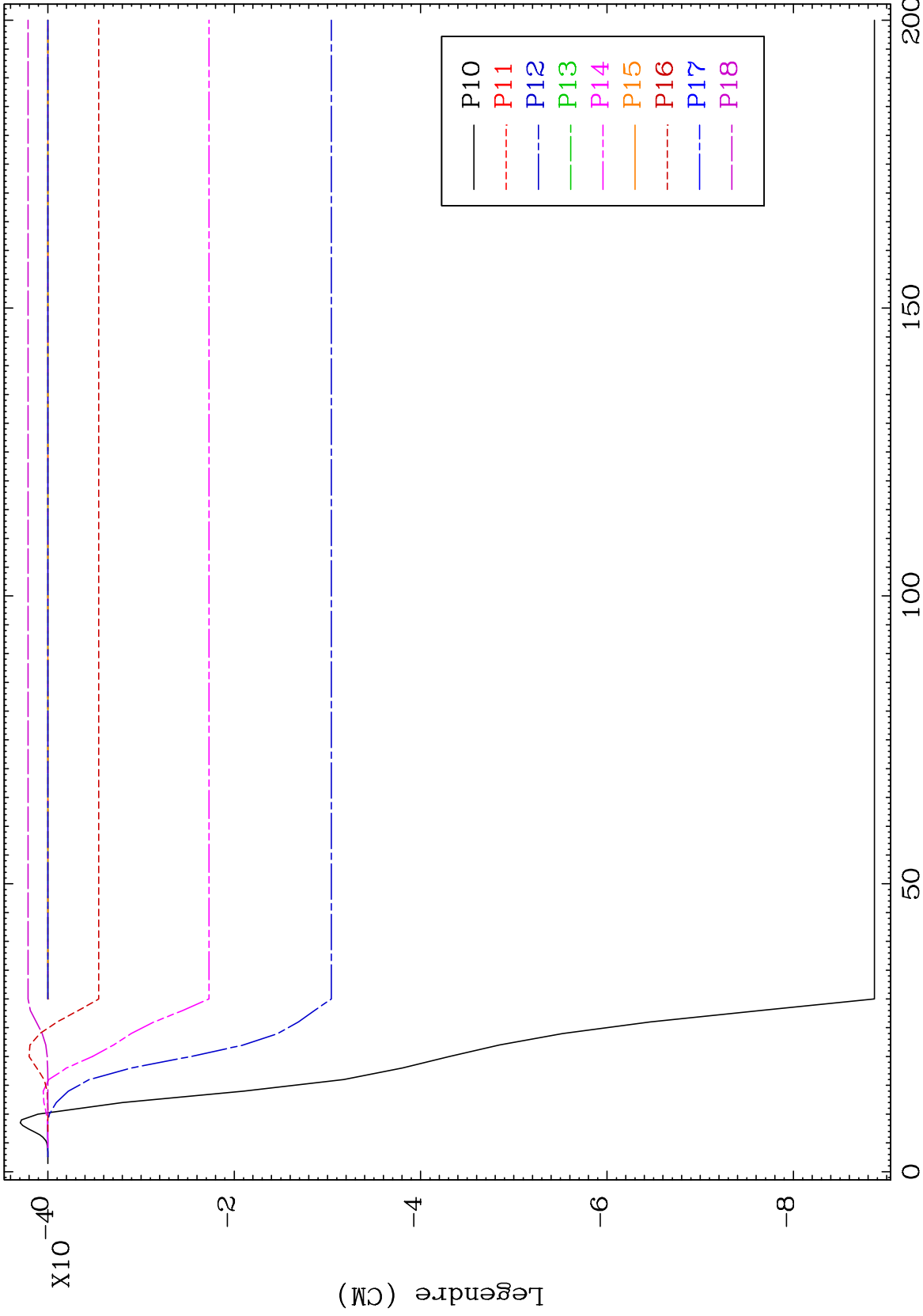
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131



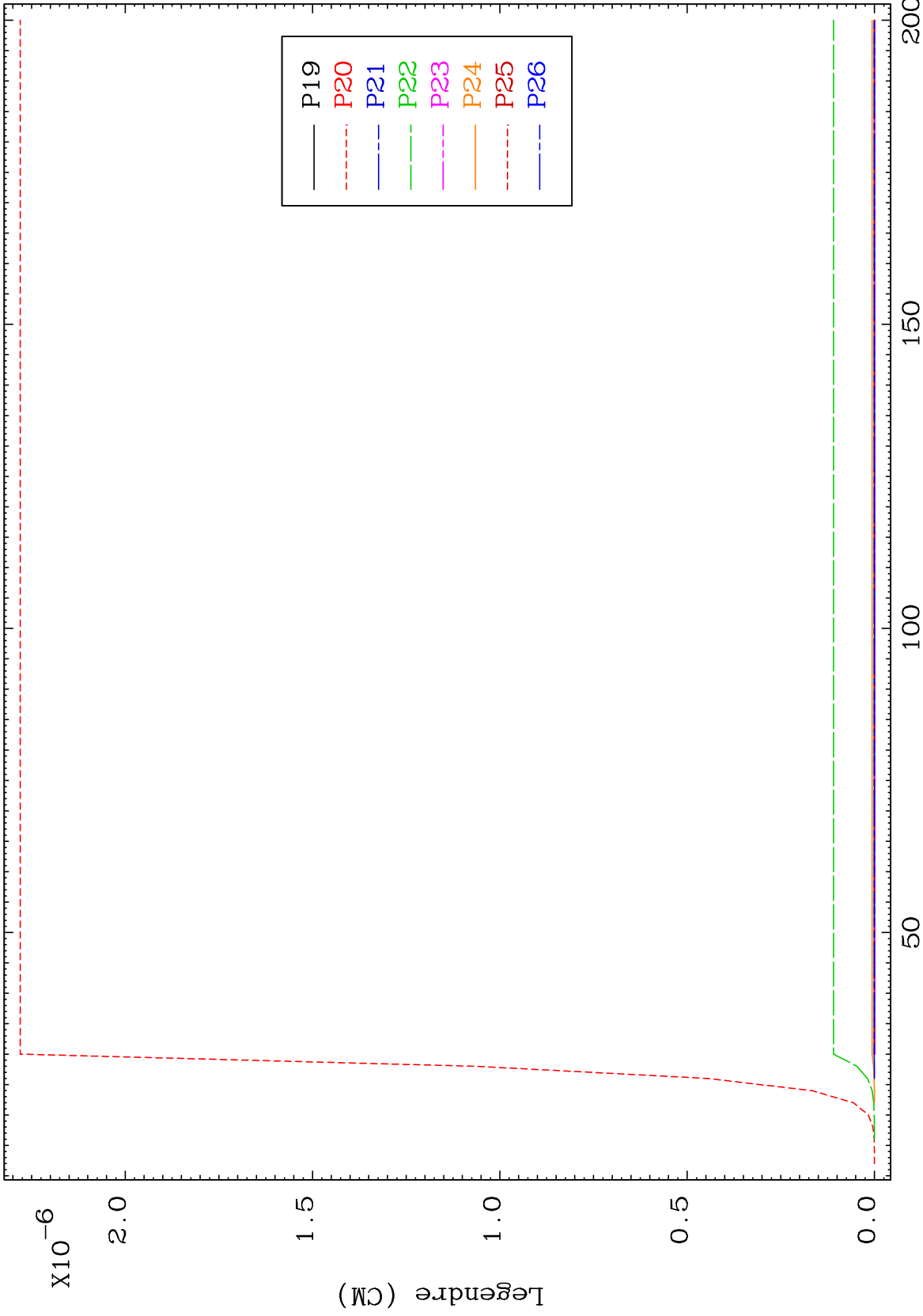
29

59-Pr-131

MAT 5895

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

59-Pr-131



30

50

100

150

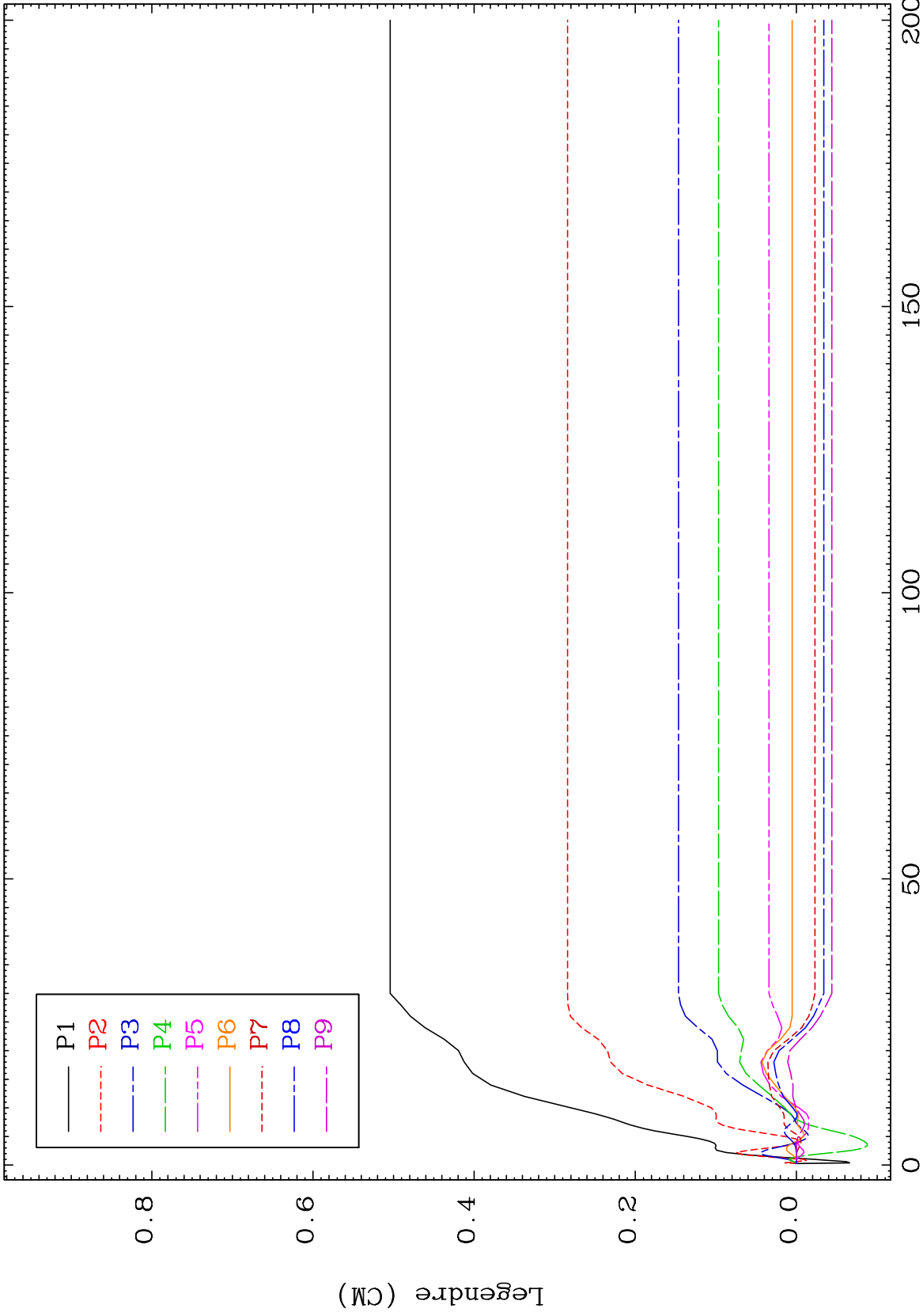
200

59-Pr-131

MAT 5895

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

59-Pr-131



31

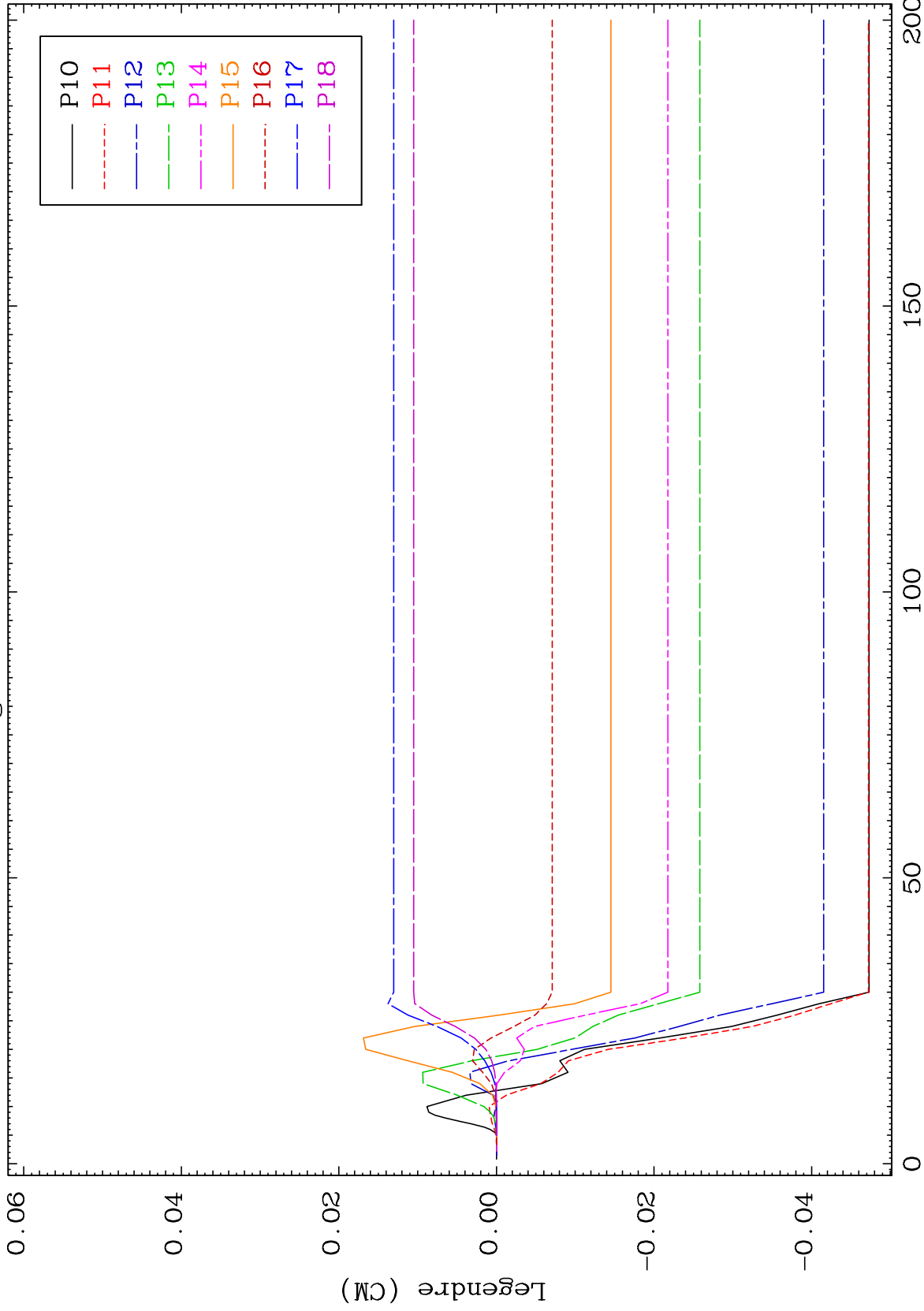
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

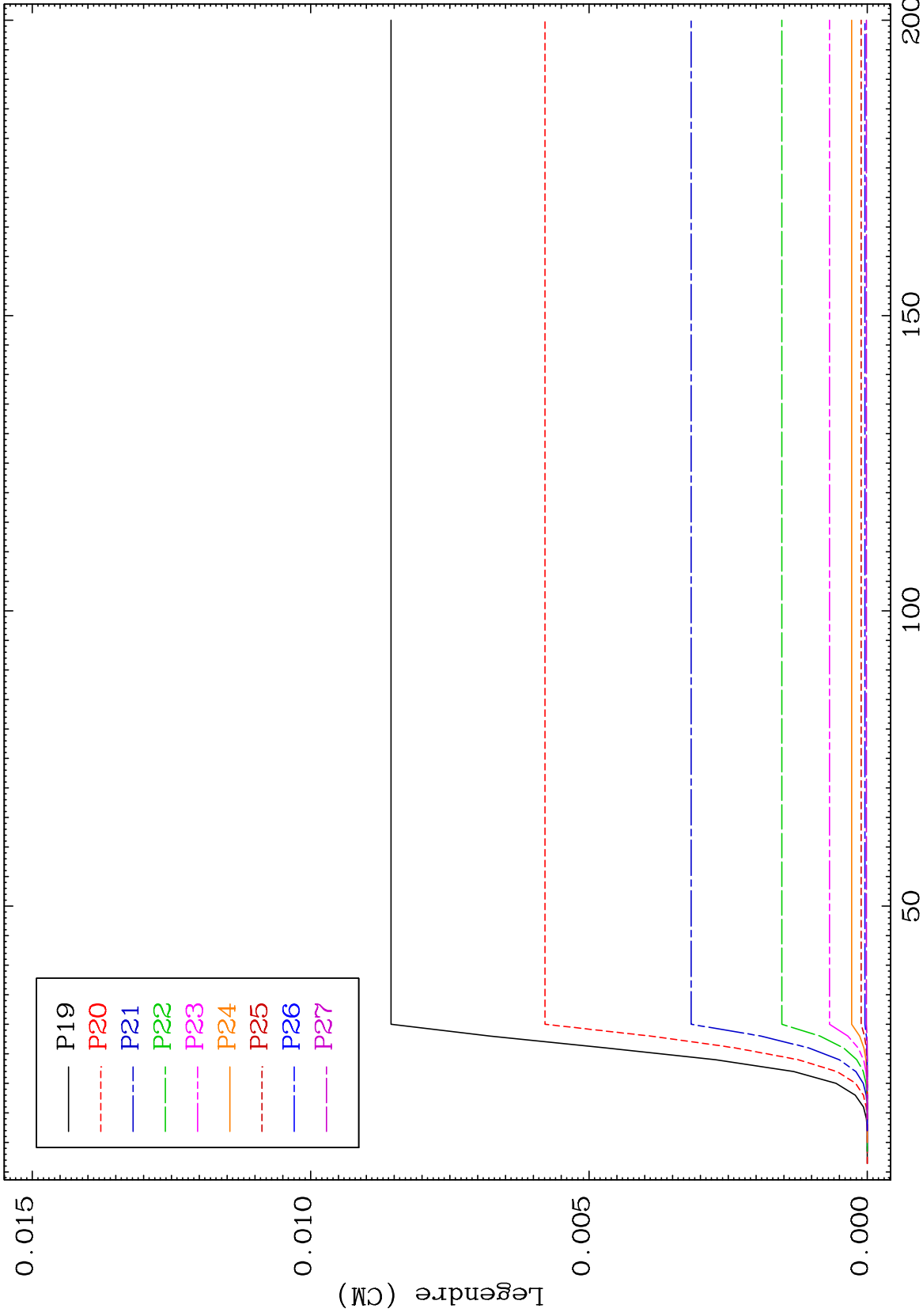
59-Pr-131



32

Incident Energy (MeV)

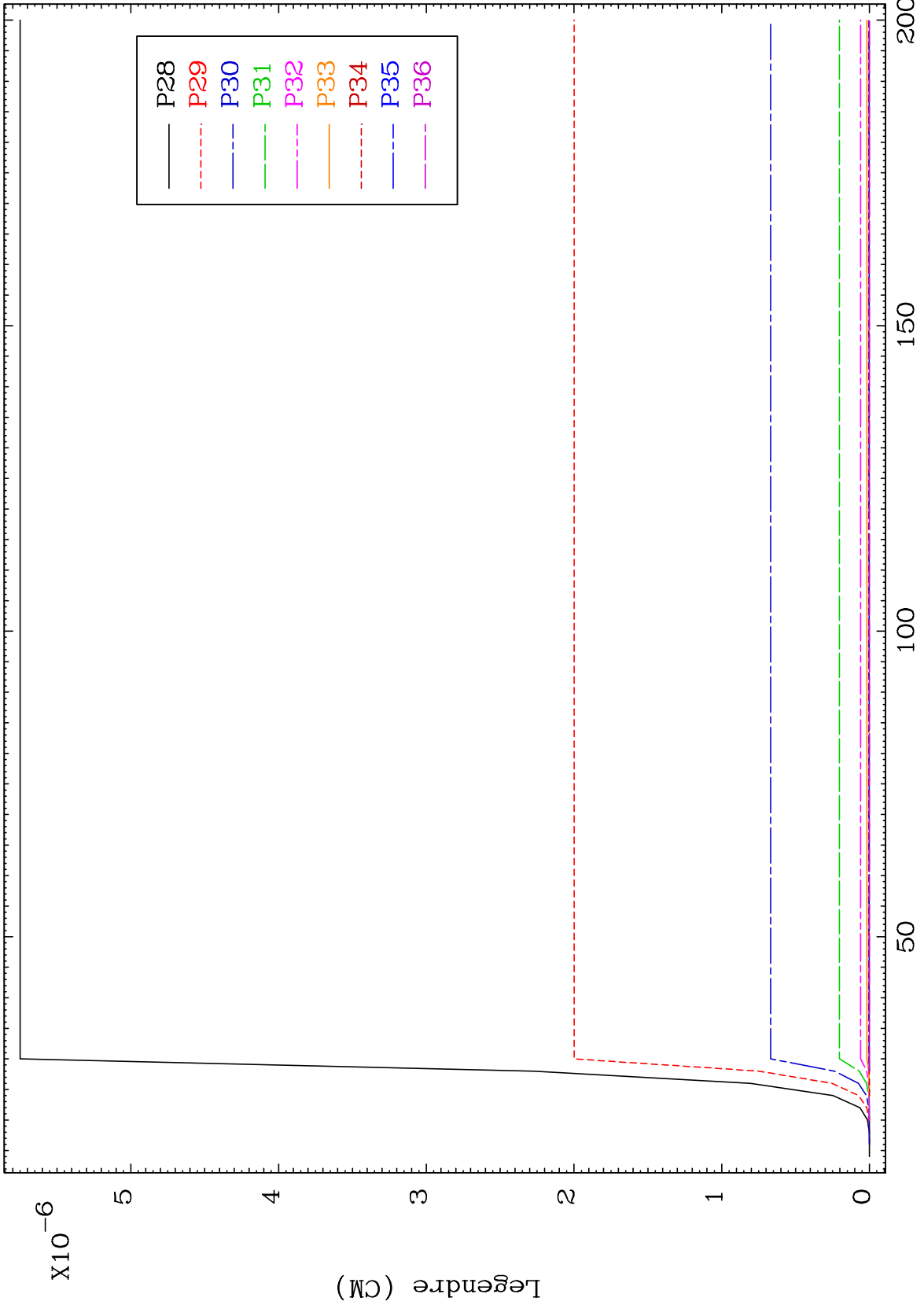
59-Pr-131



MAT 5895

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

59-Pr-131



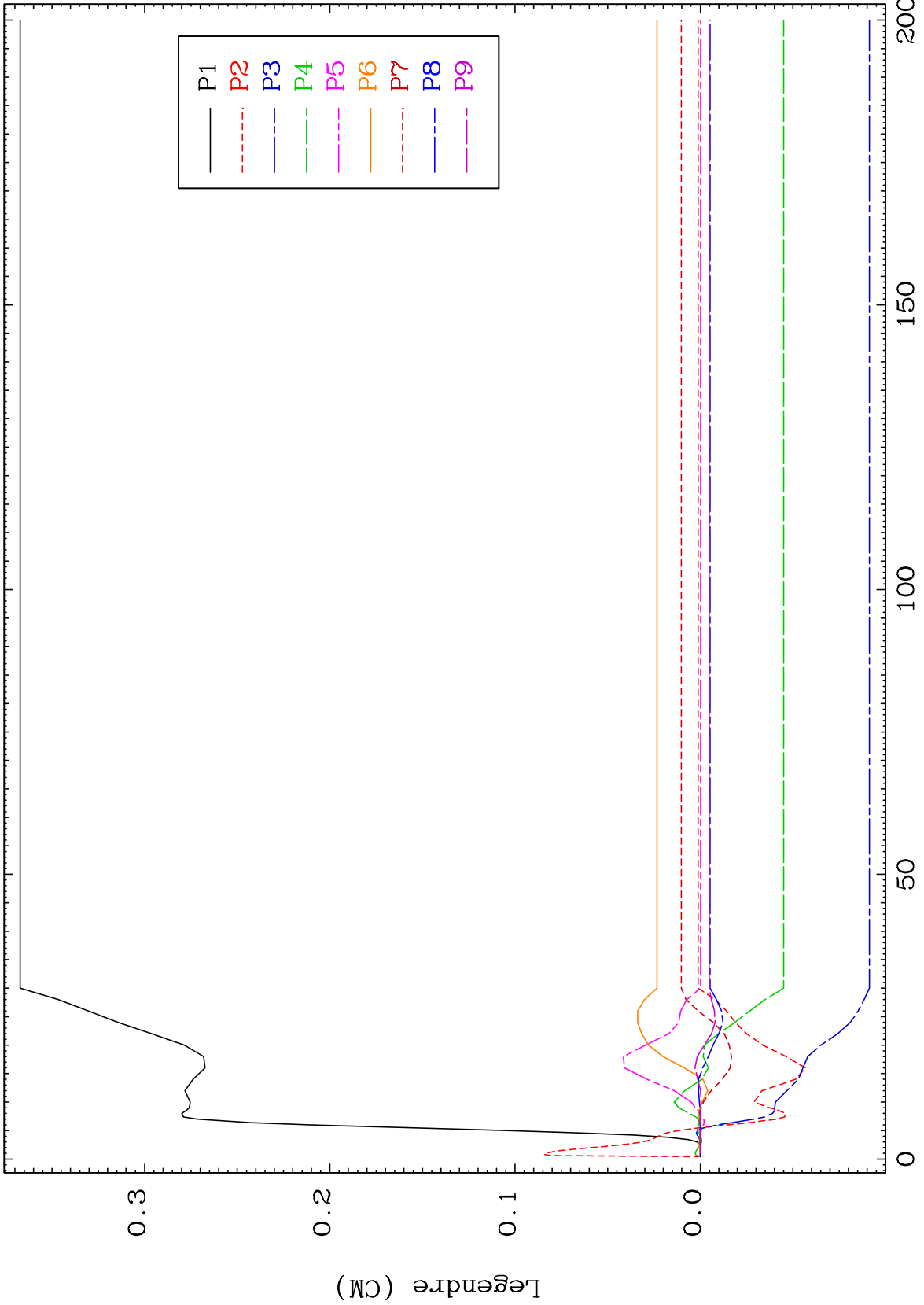
34

59-Pr-131

MAT 5895

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

59-Pr-131



35

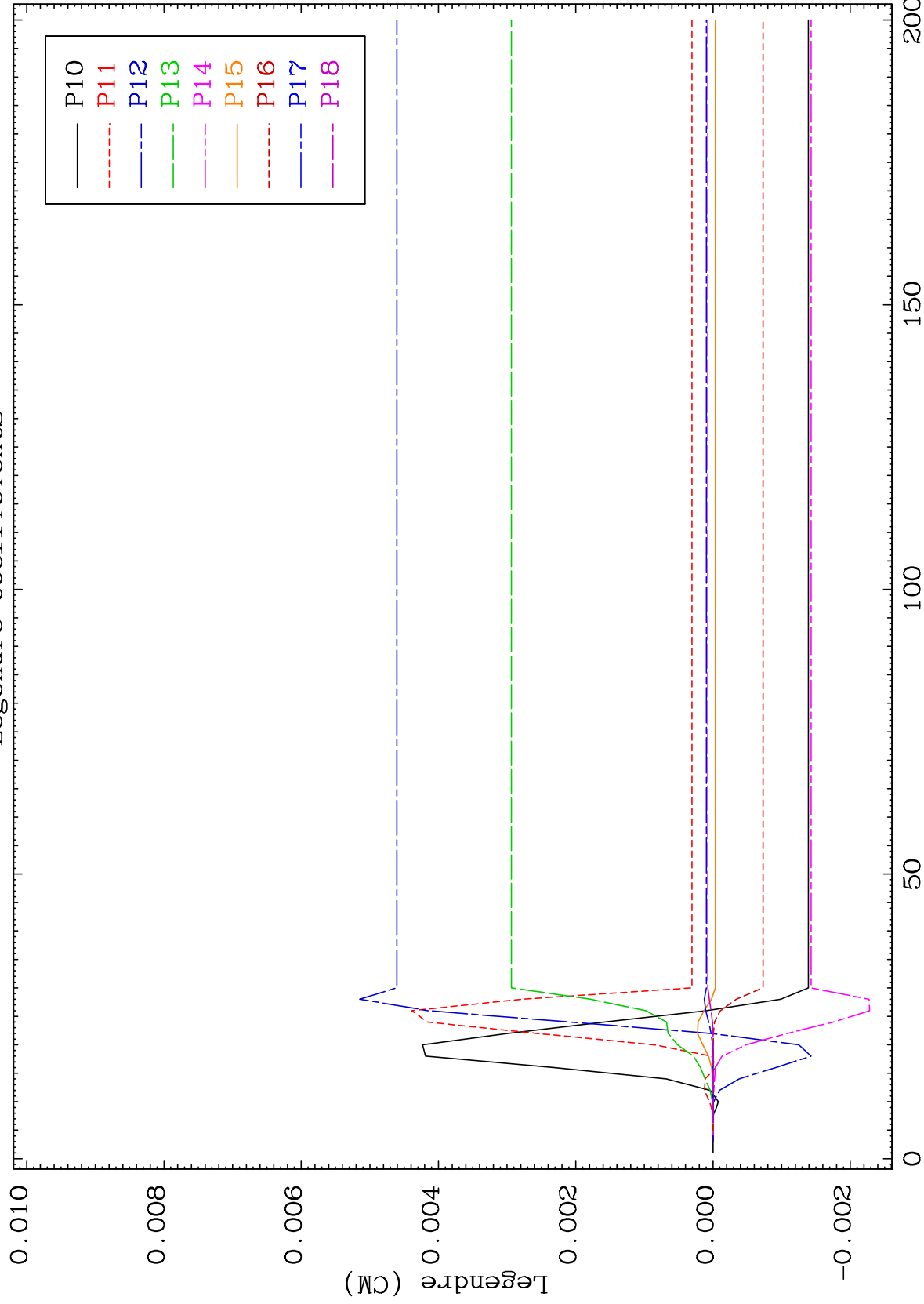
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131



36

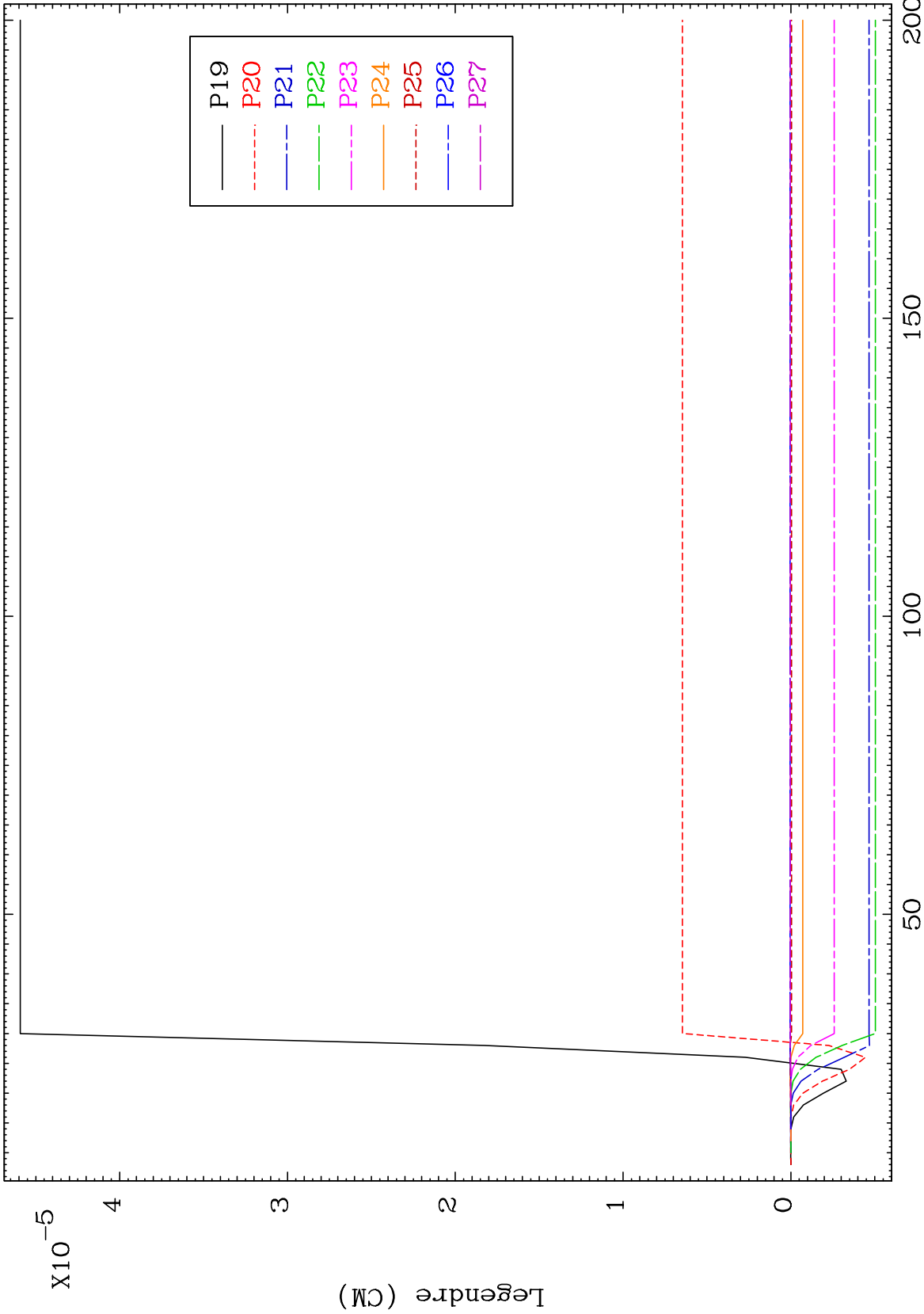
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131



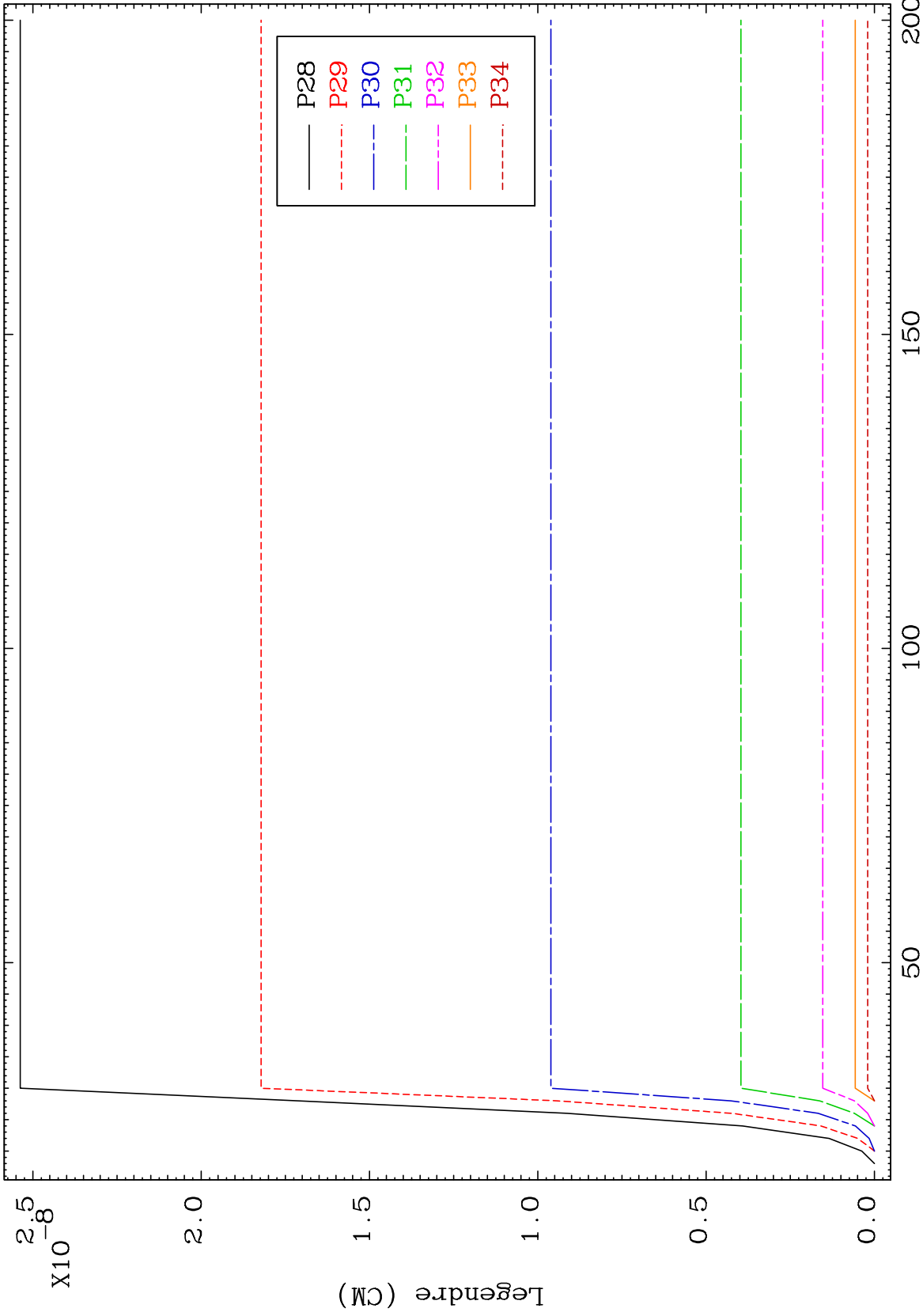
37

59-Pr-131

MAT 5895

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

59-Pr-131



38

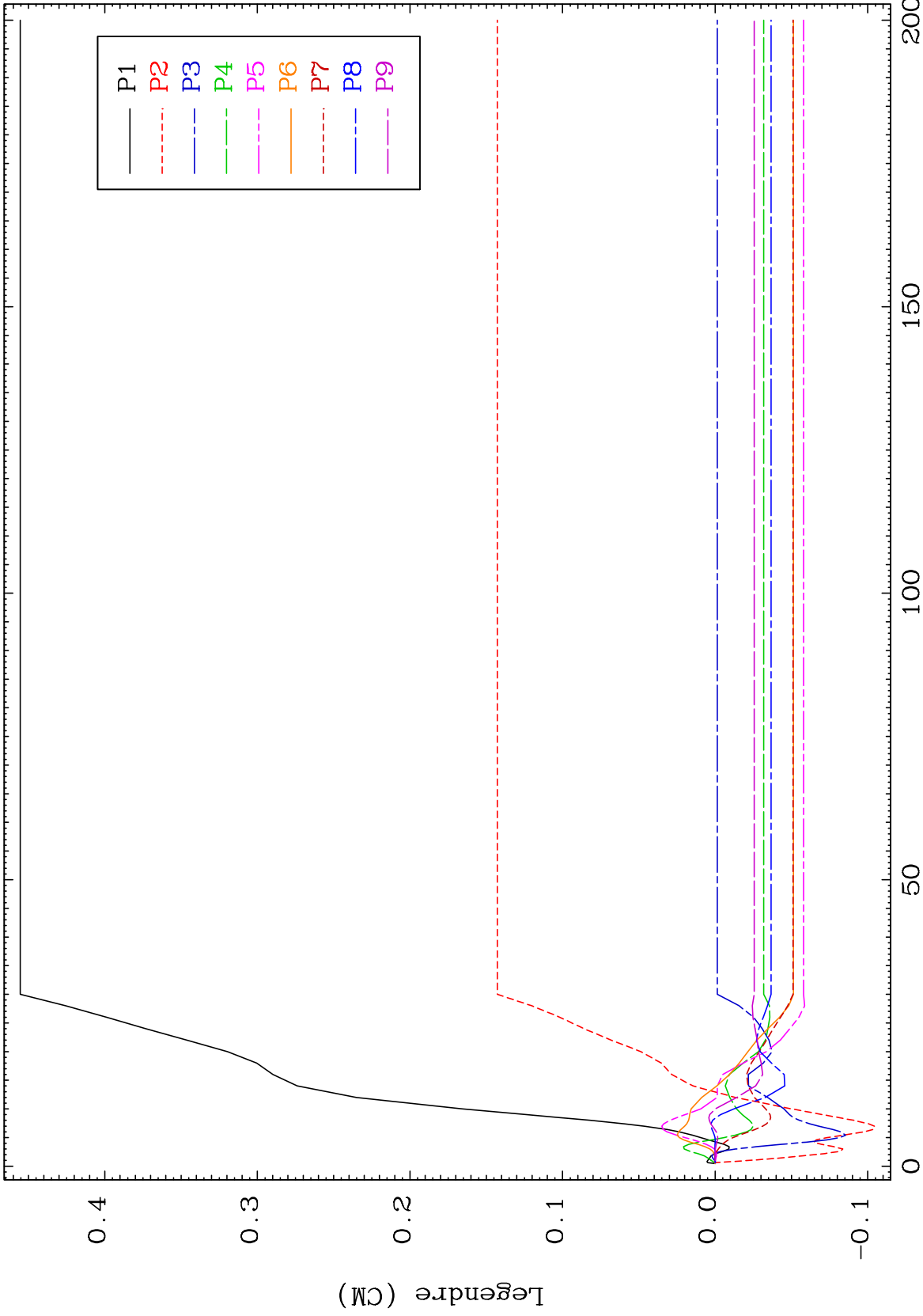
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131



39

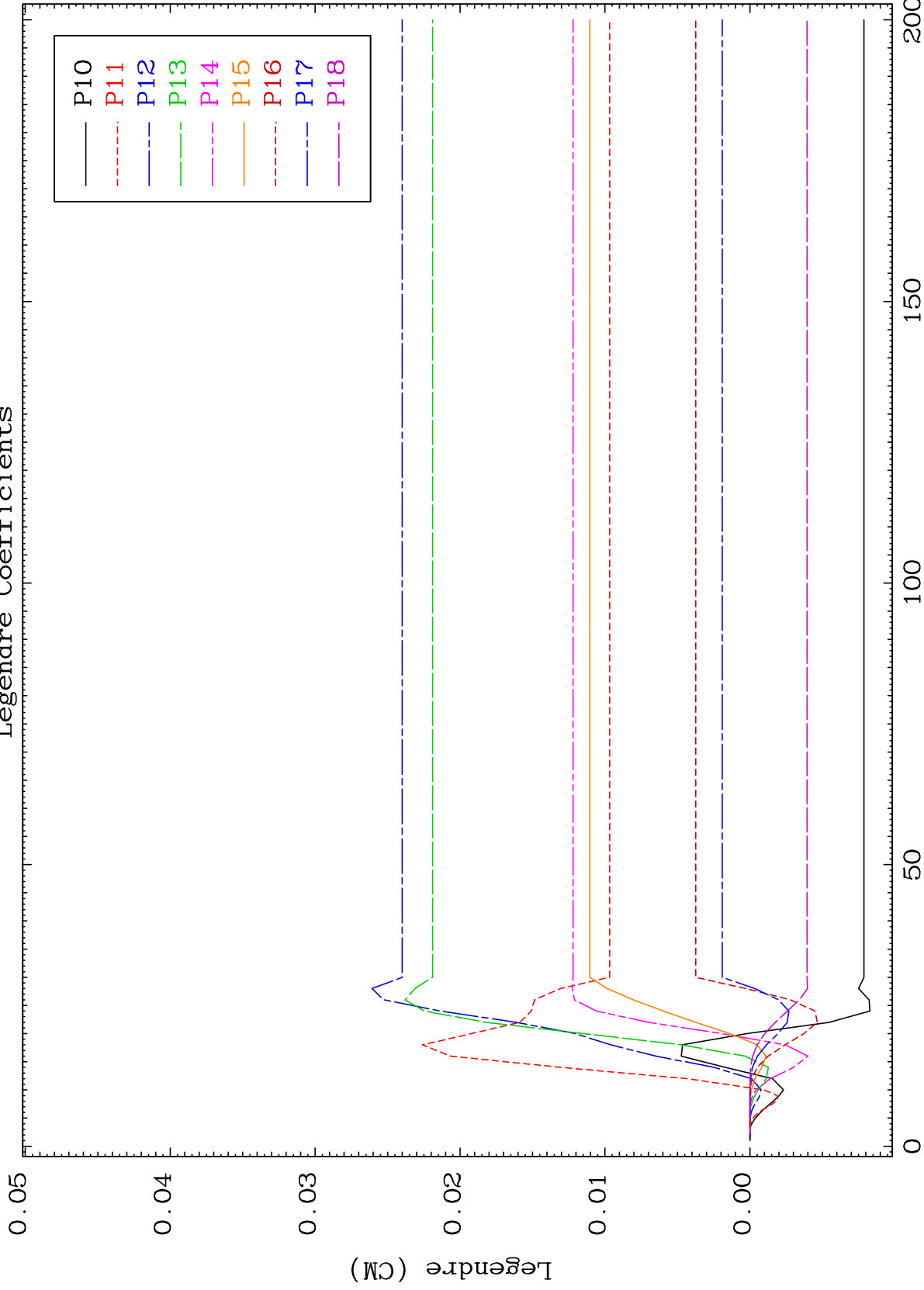
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131



40

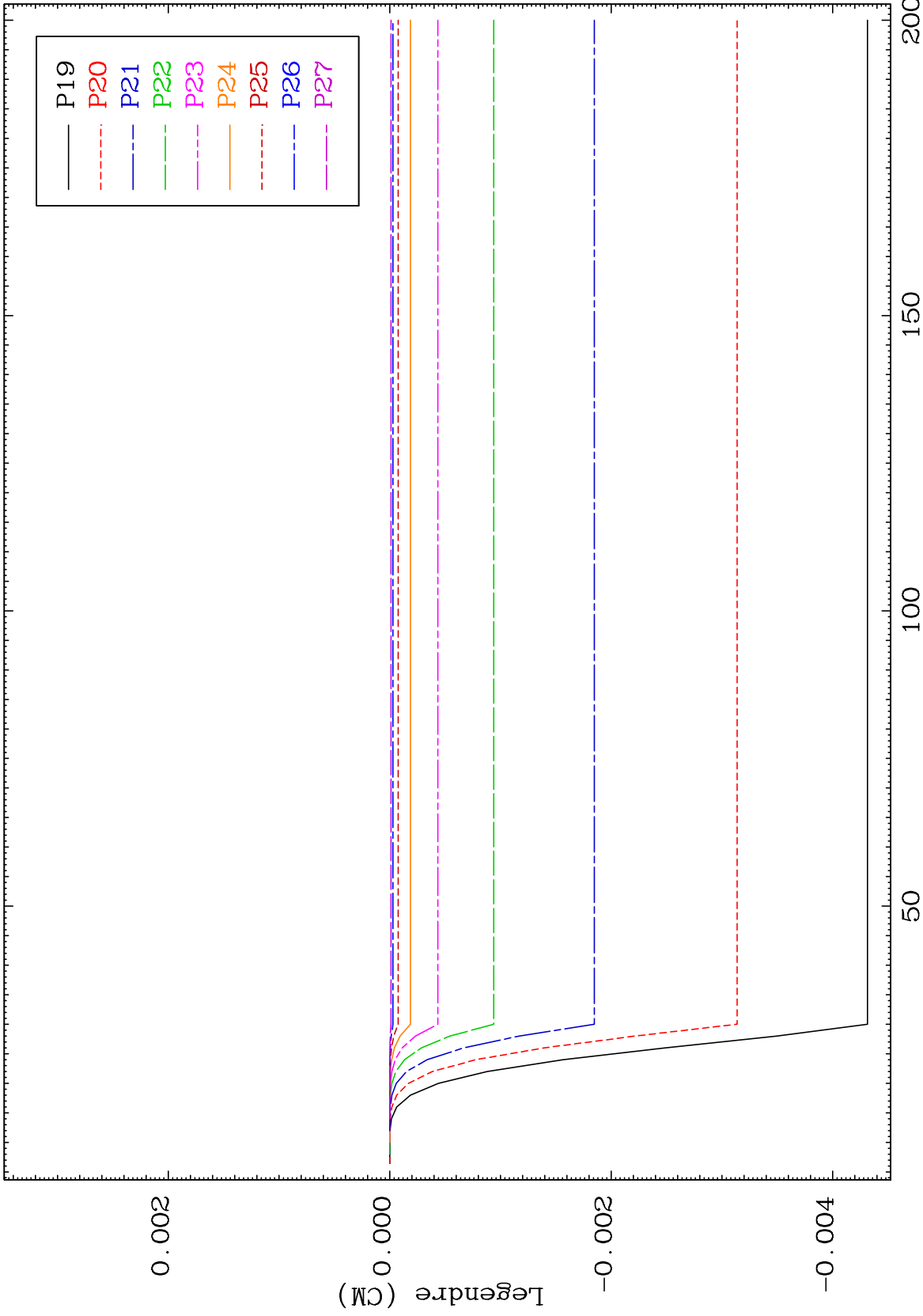
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131

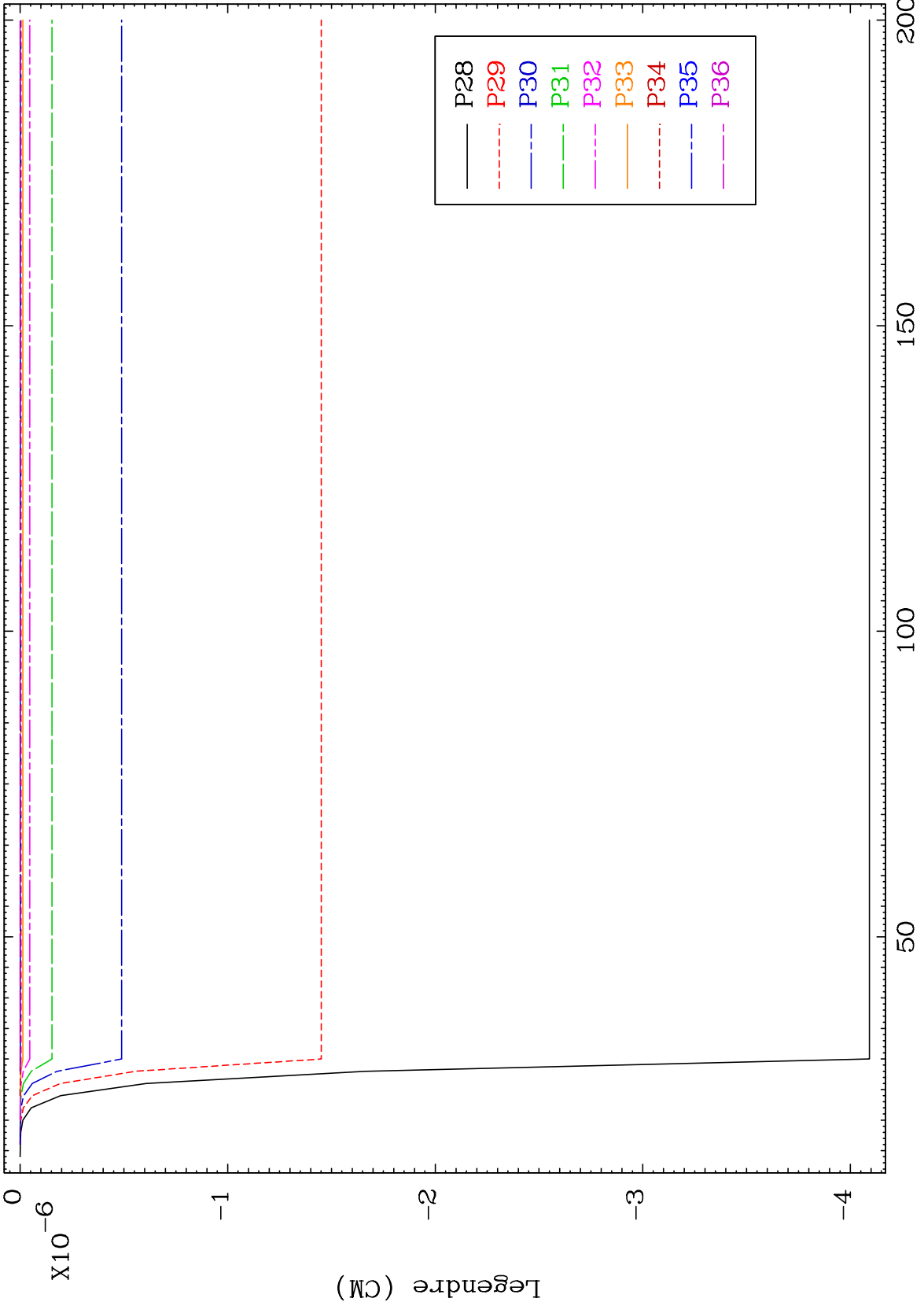


41

Incident Energy (MeV)

59-Pr-131

MAT 5895 MT= 56 (n,n') Level Legendre Coefficients 59-Pr-131

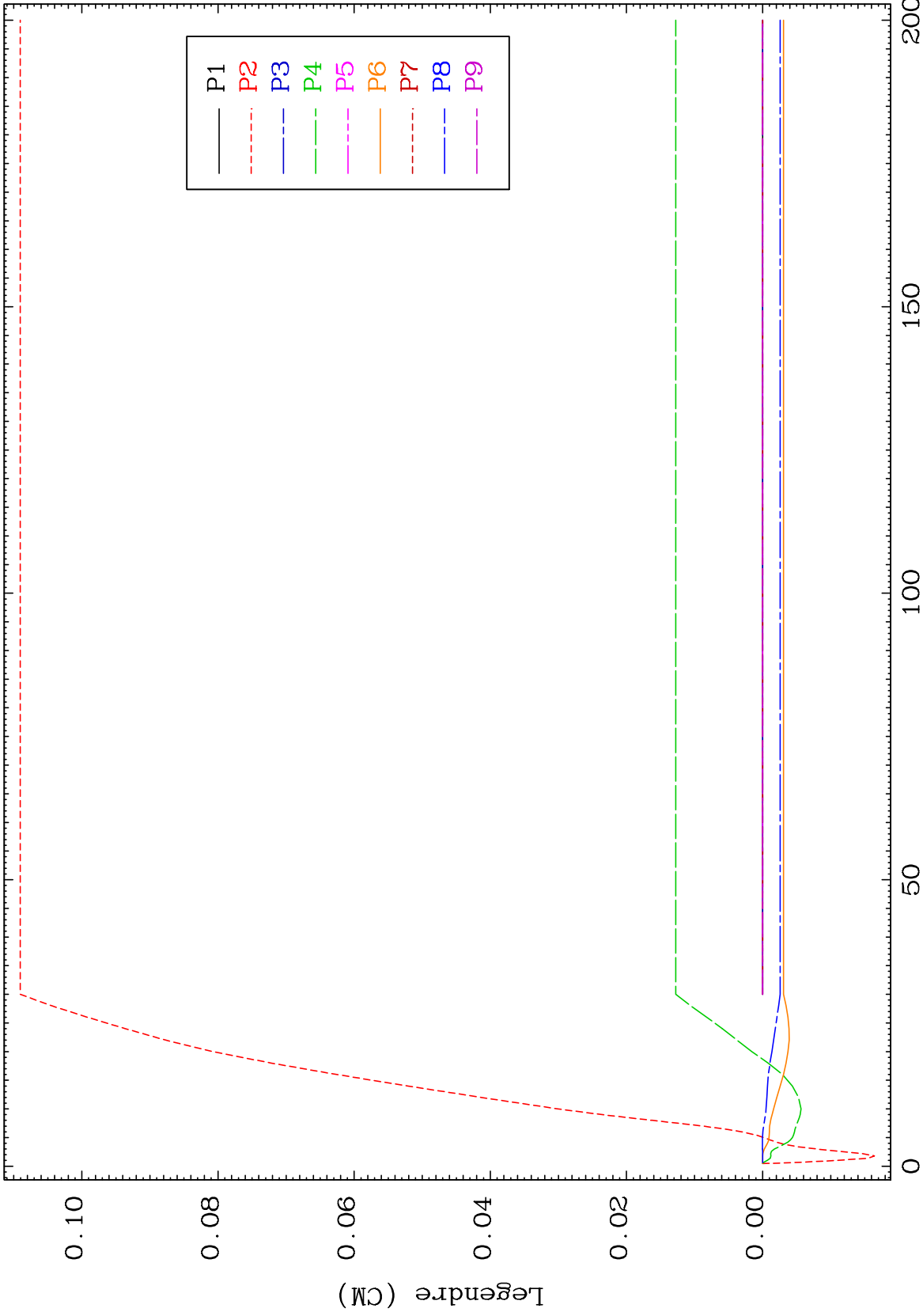


42 Incident Energy (MeV) 59-Pr-131

MAT 5895

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

59-Pr-131



43

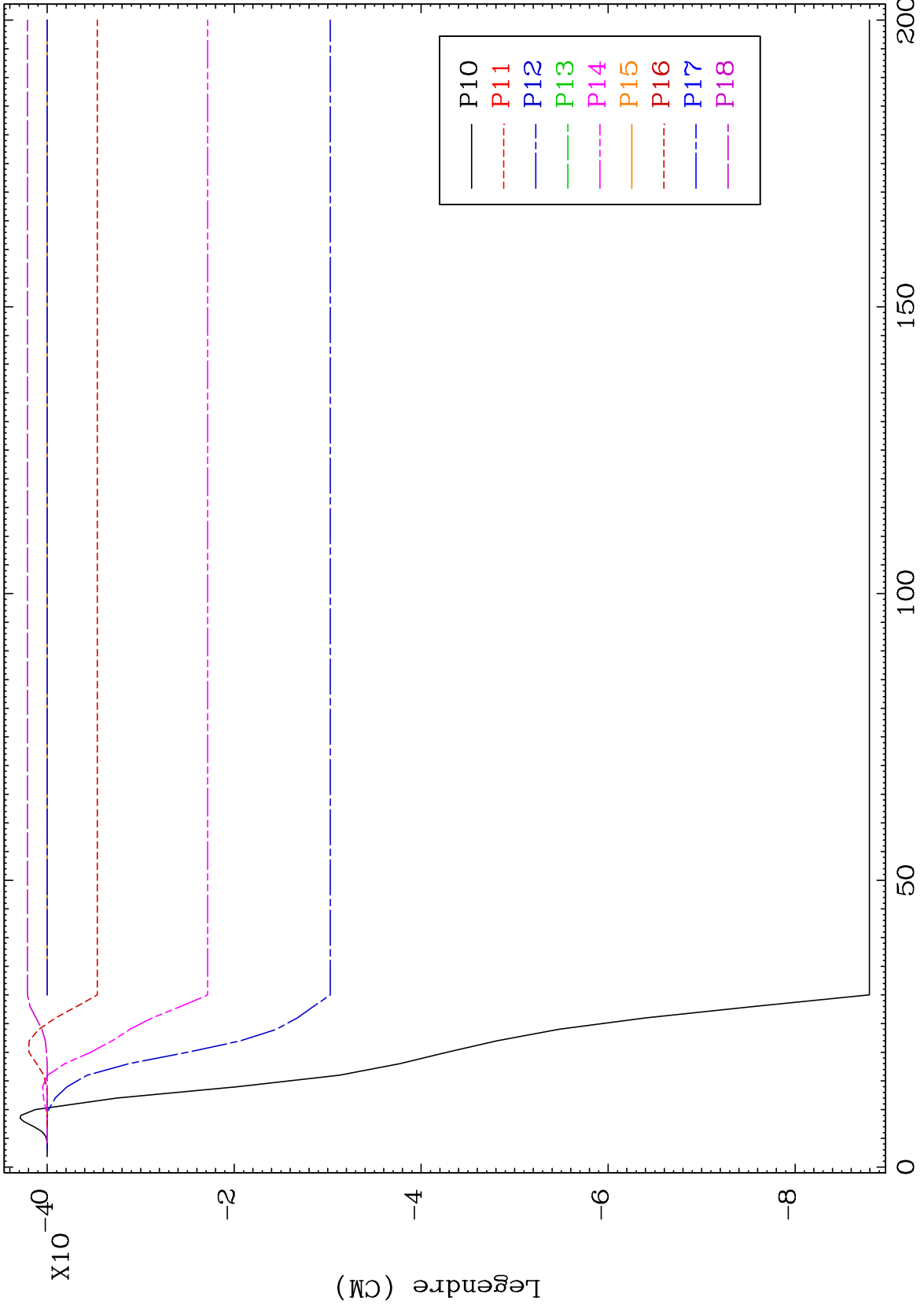
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

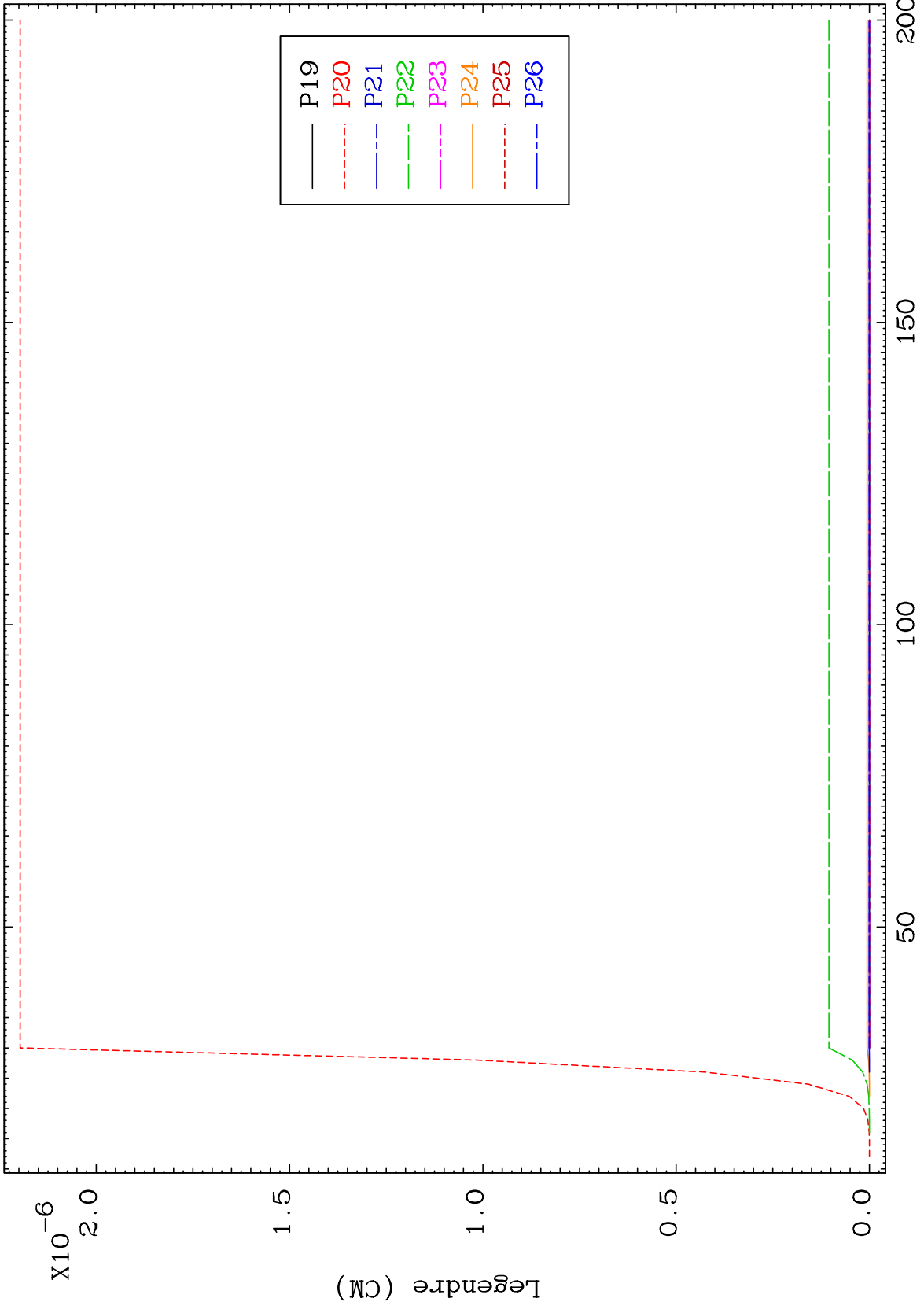
59-Pr-131



44

59-Pr-131

MAT 5895 MT= 57 (n,n') Level Legendre Coefficients 59-Pr-131

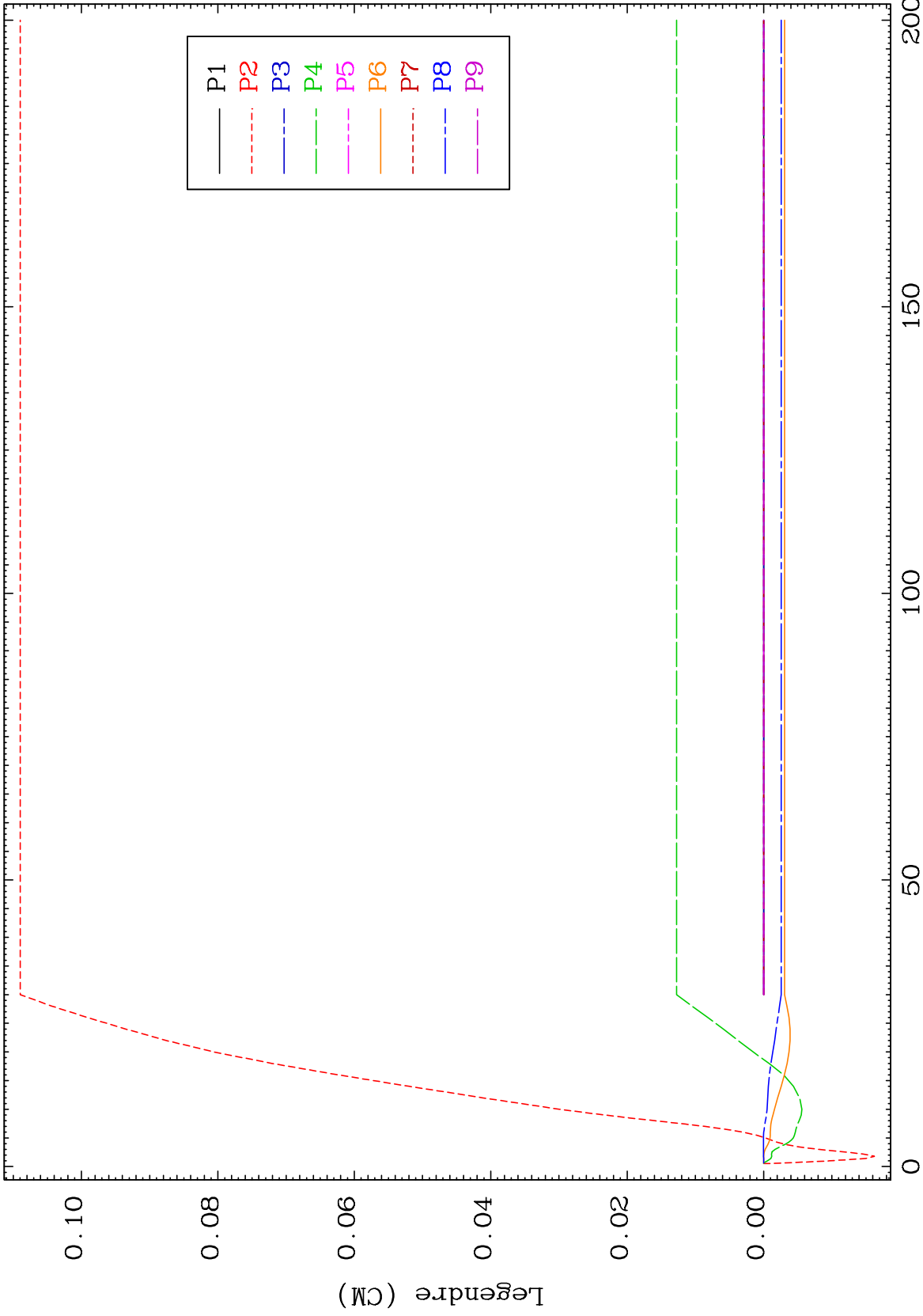


45 50 100 150 200 59-Pr-131

MAT 5895

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

59-Pr-131



46

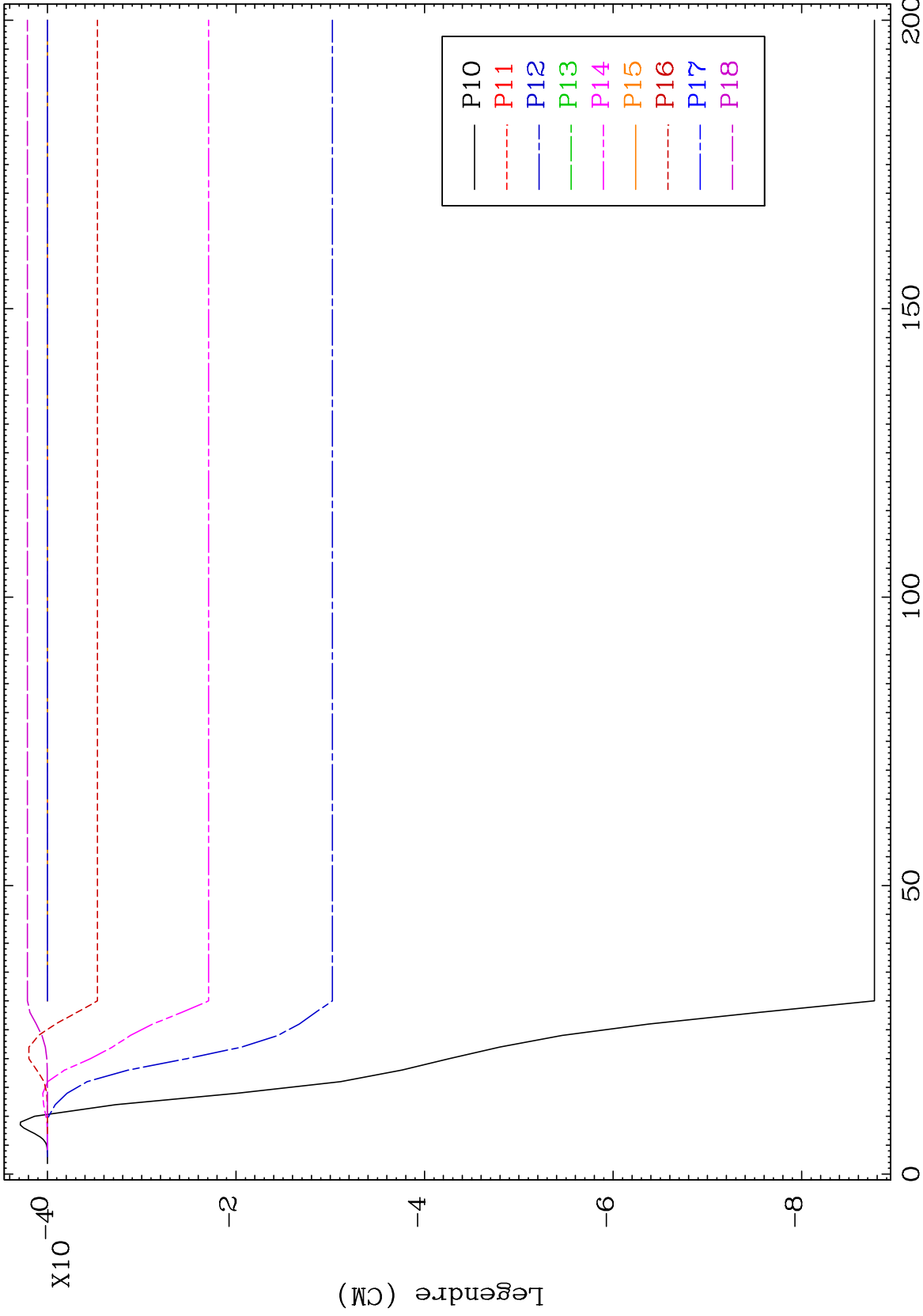
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131



47

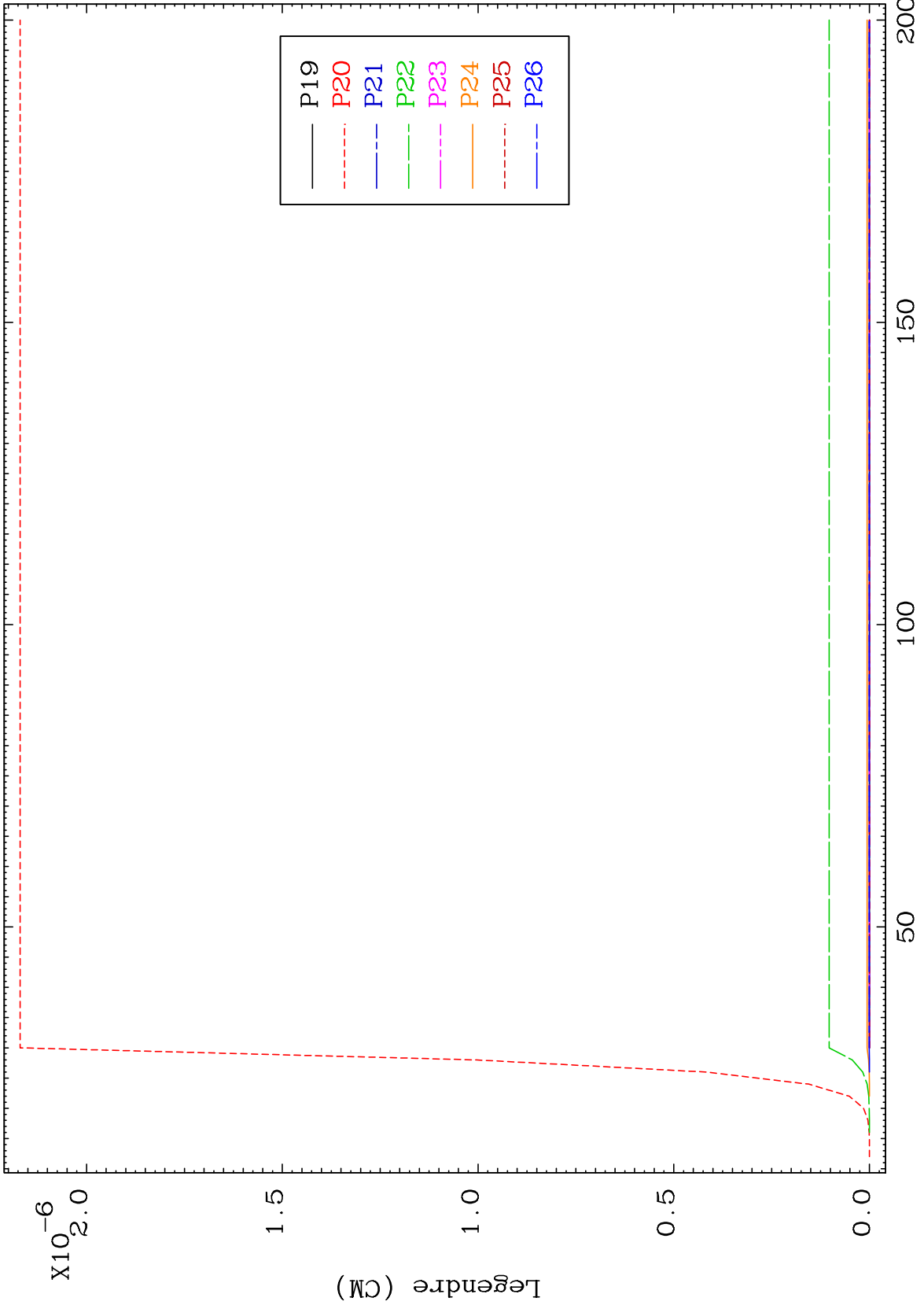
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131



48

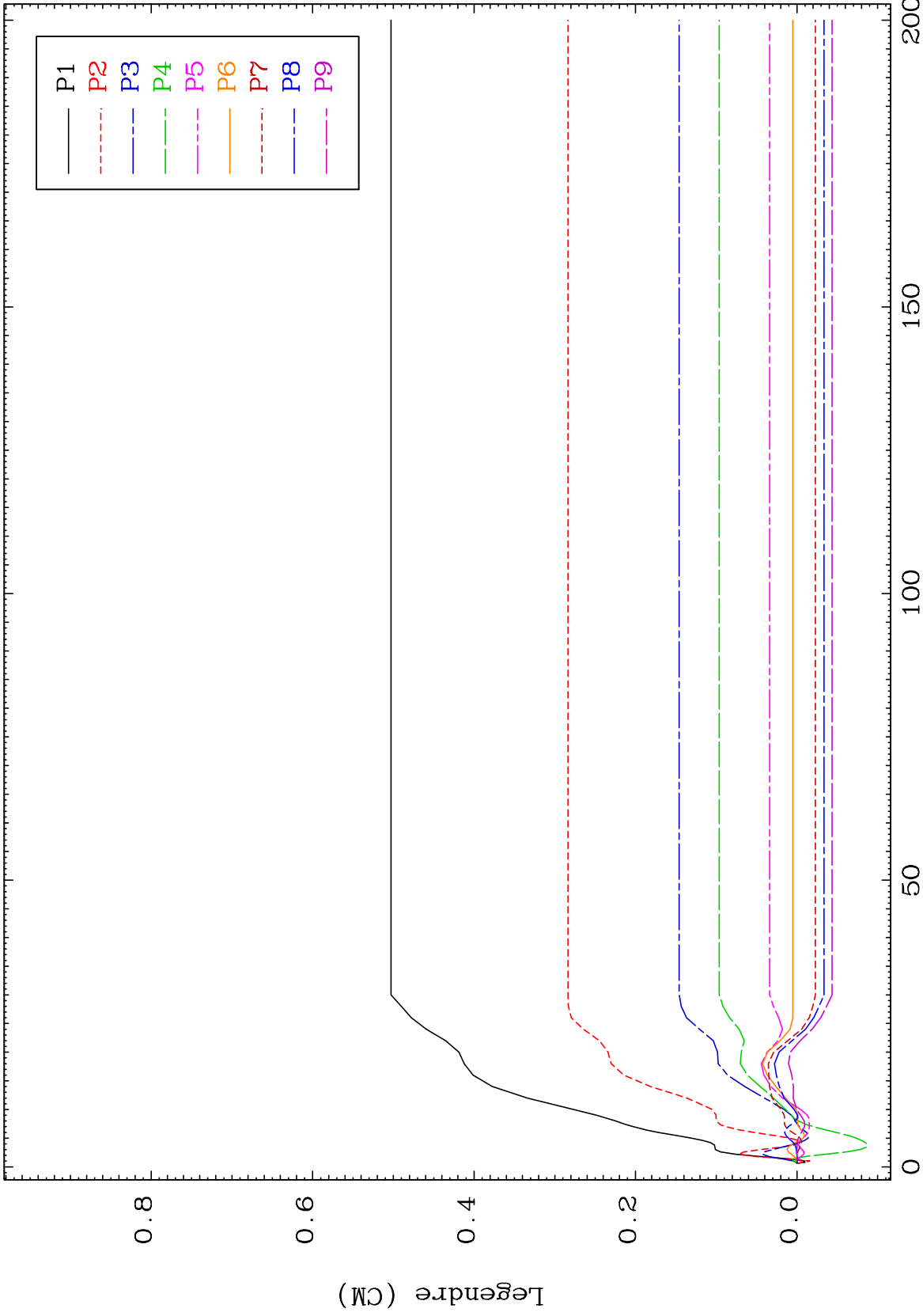
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131



49

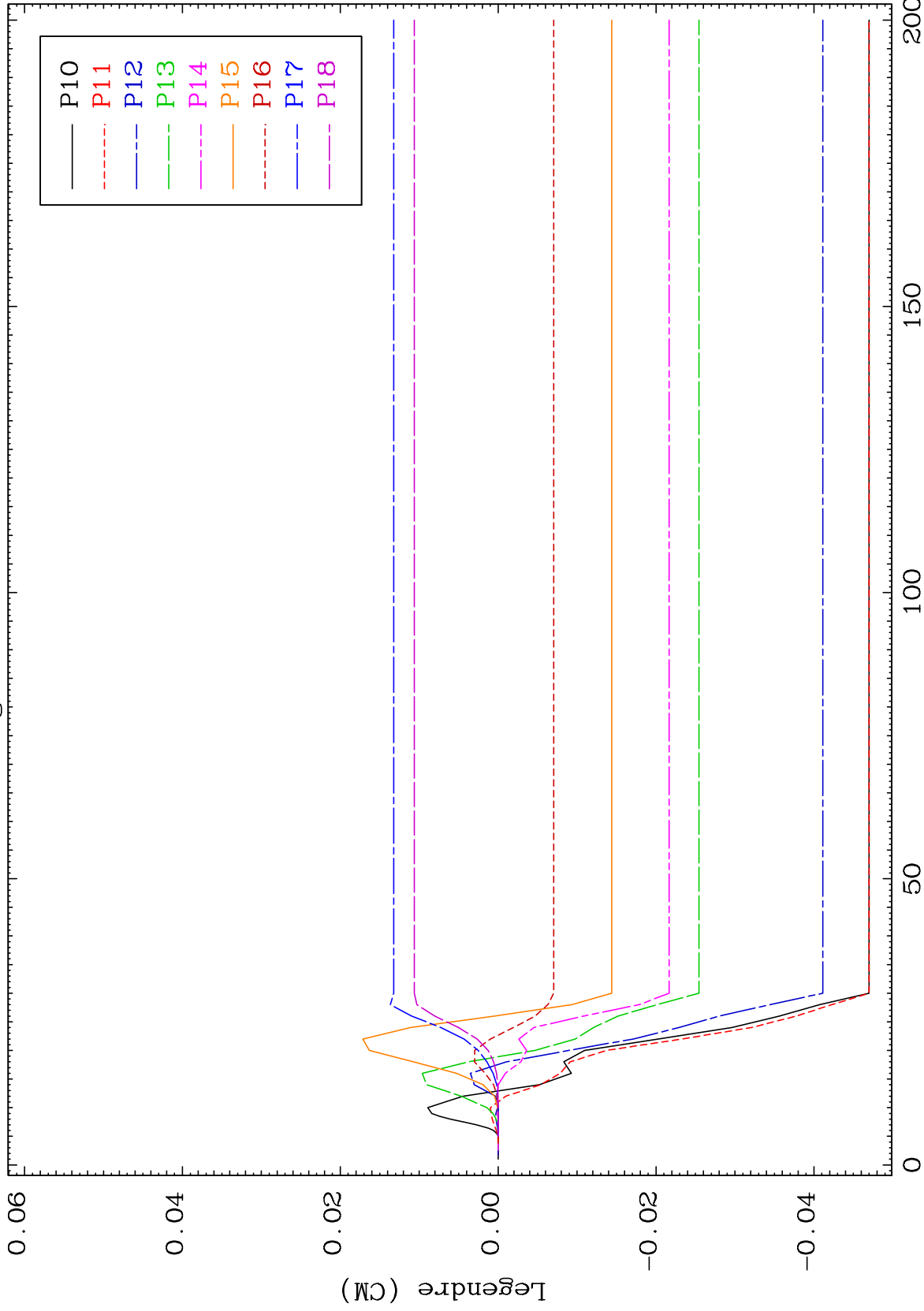
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131



59-Pr-131

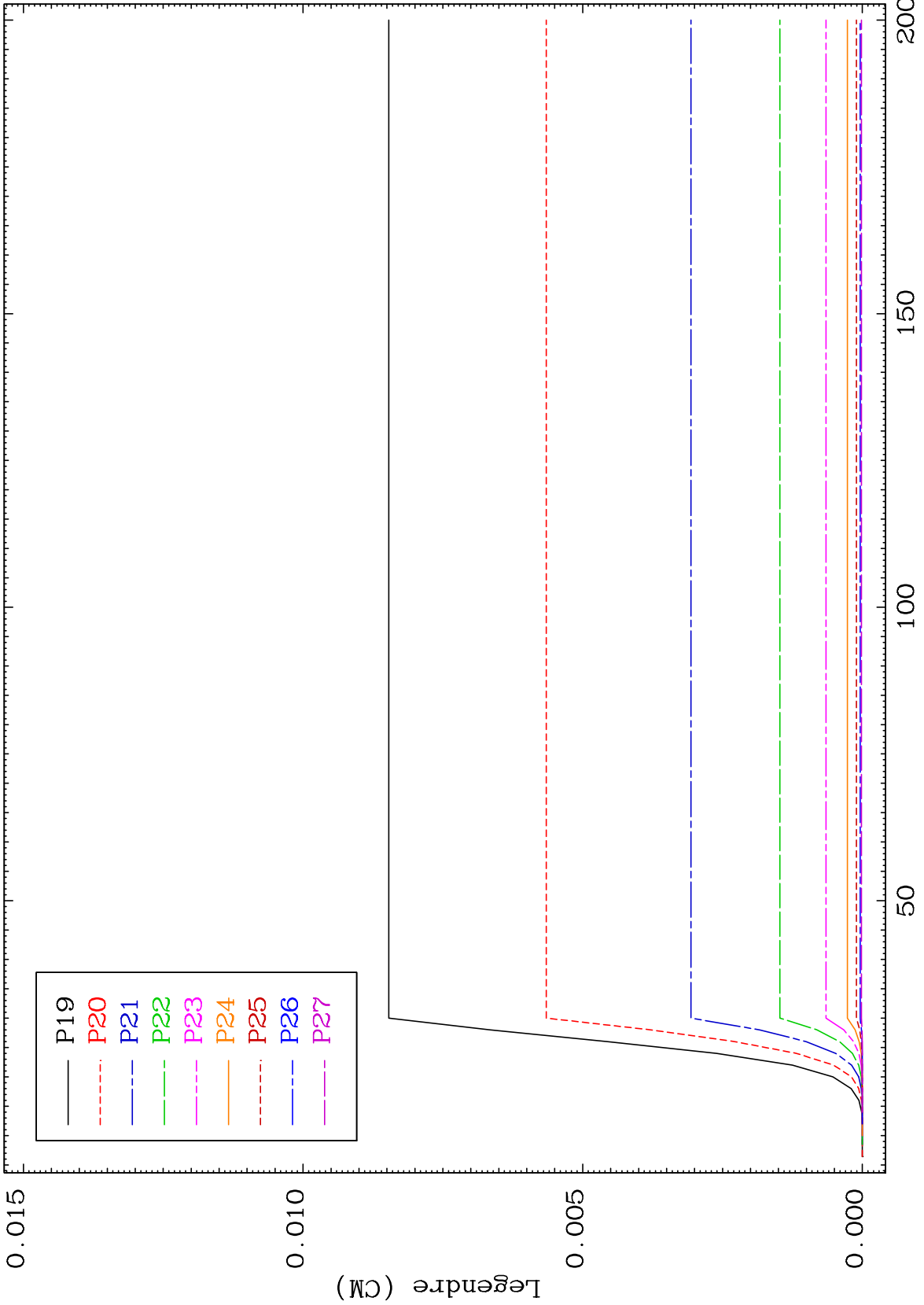
Incident Energy (MeV)

50

MAT 5895

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

59-Pr-131



51

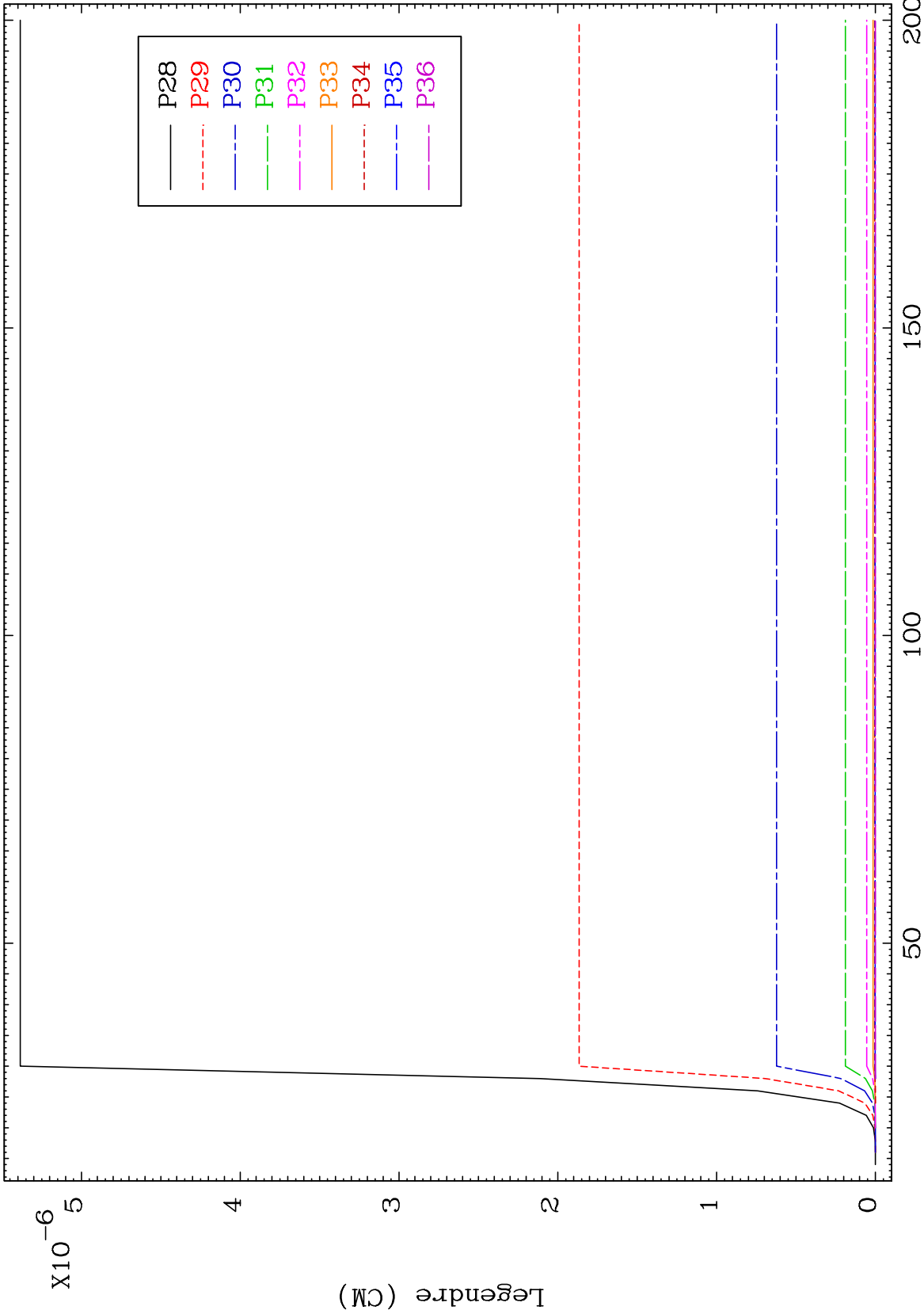
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131



52

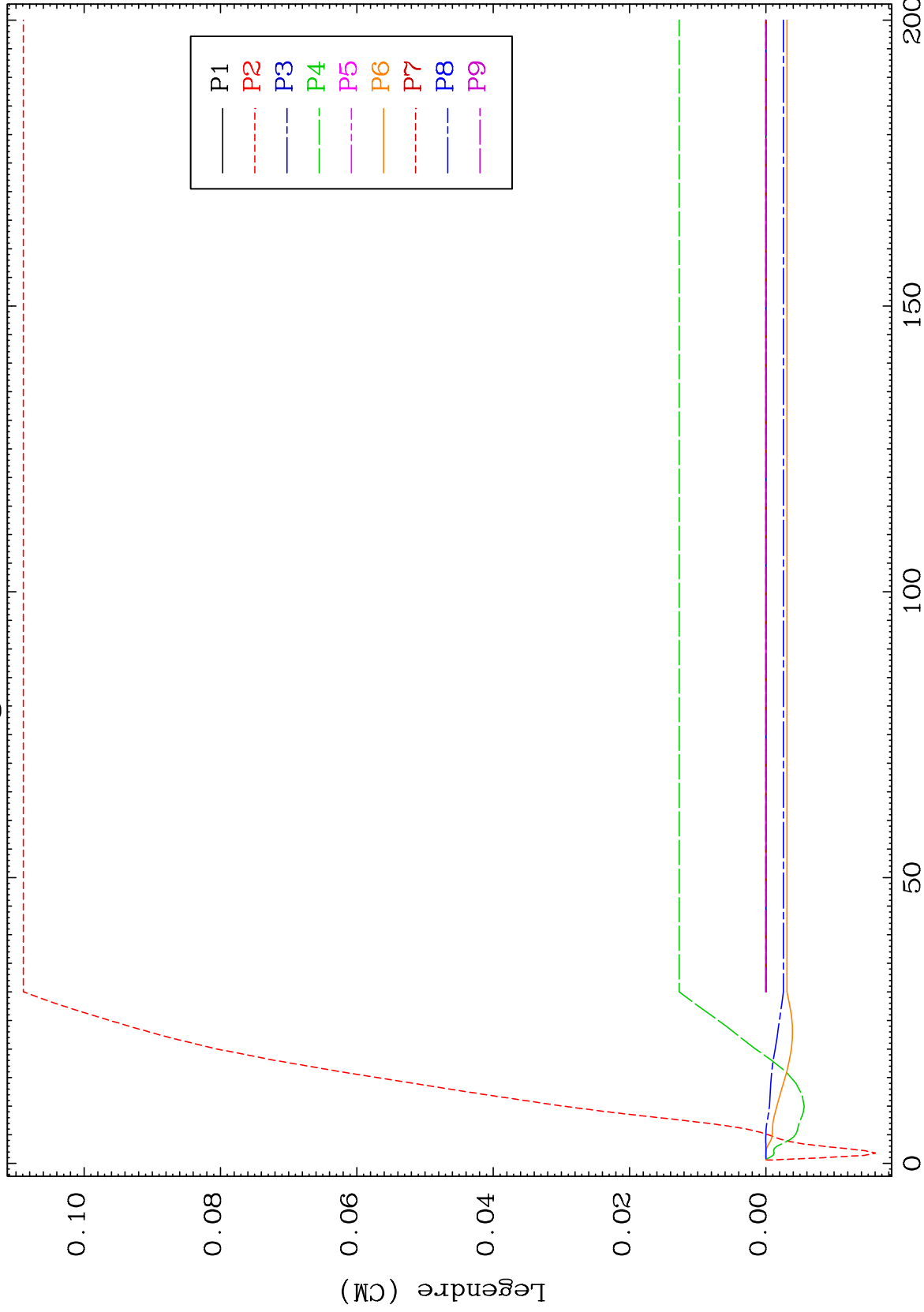
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131



53

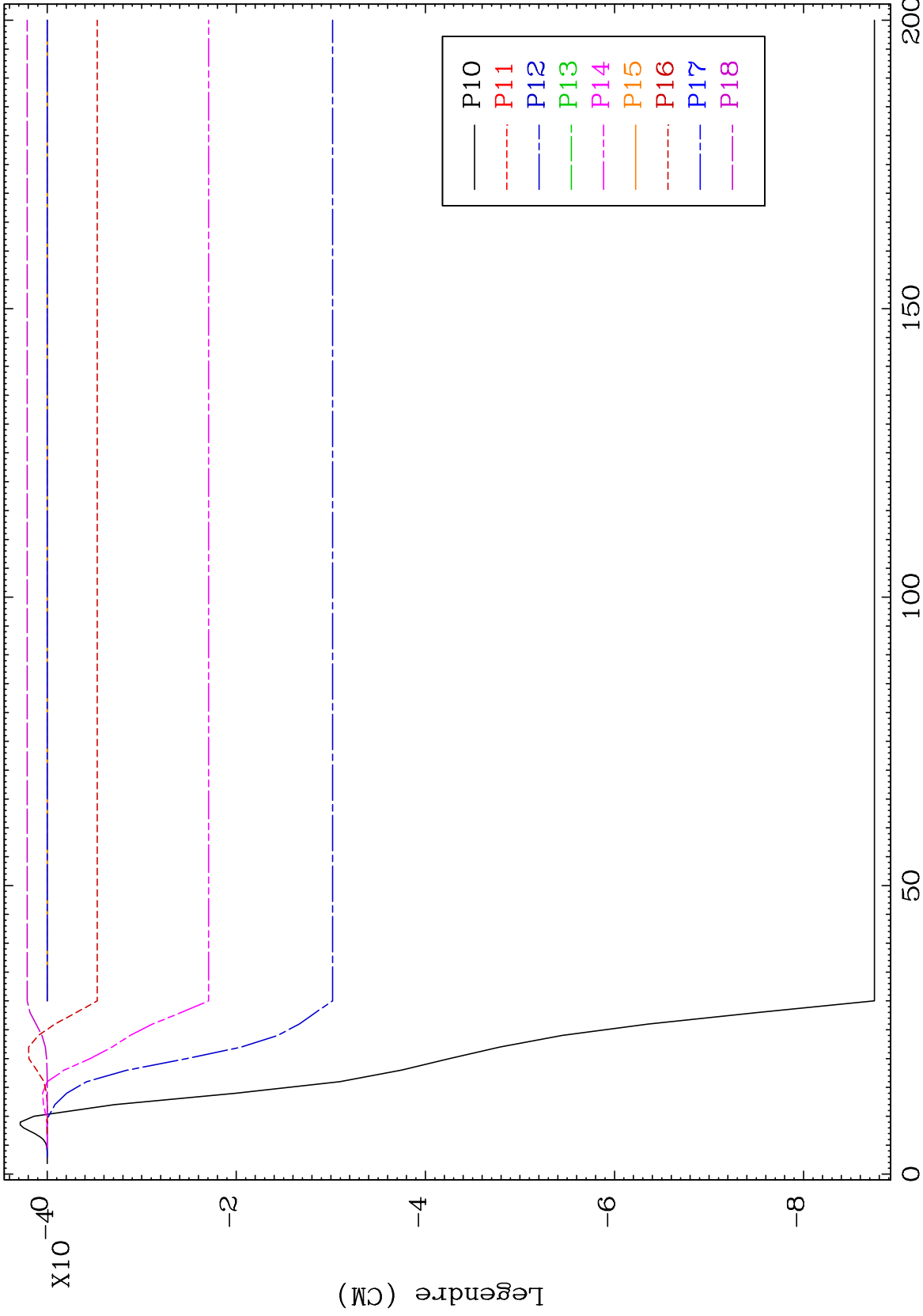
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131



54

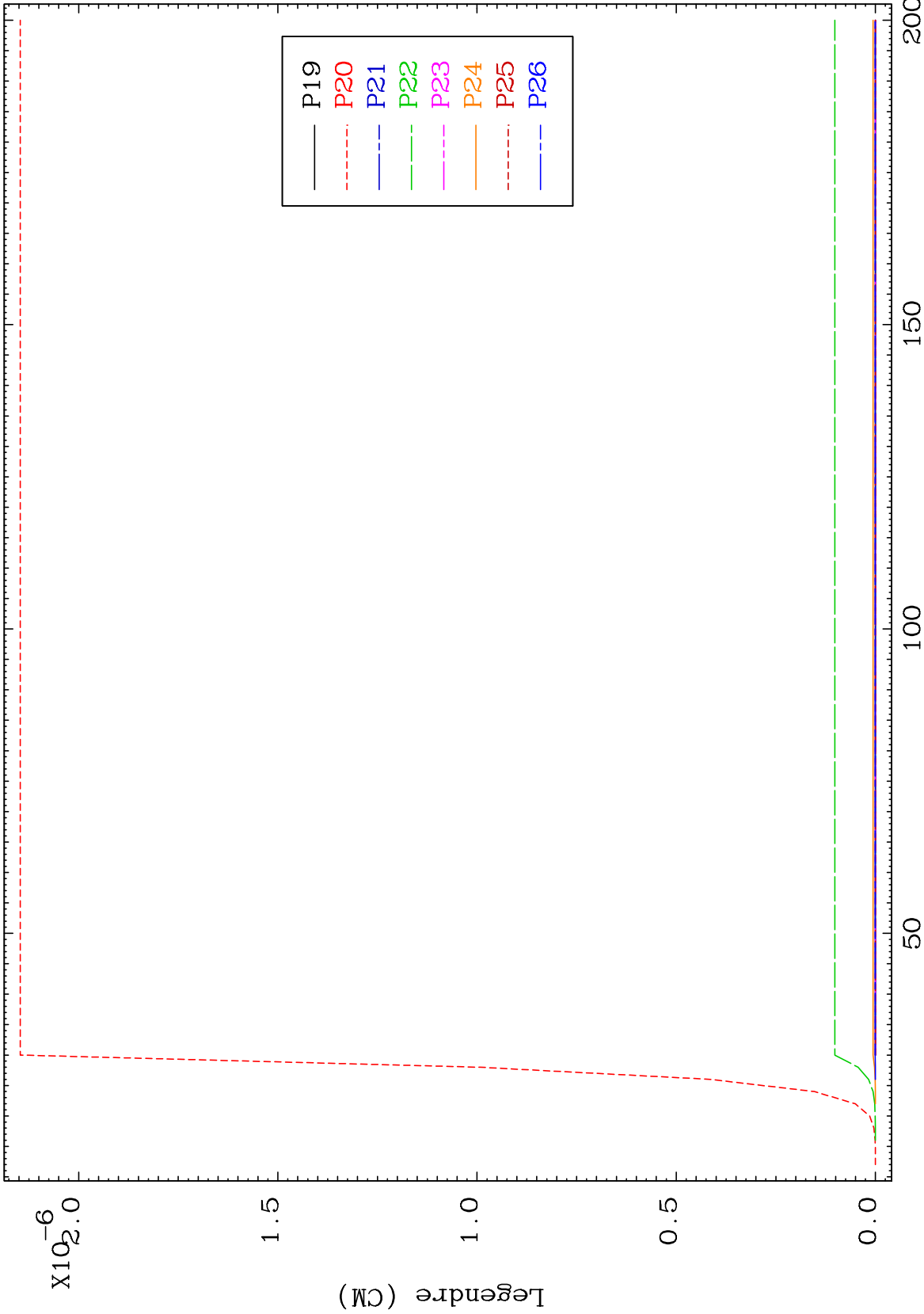
59-Pr-131

59-Pr-131

MAT 5895

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

59-Pr-131



55

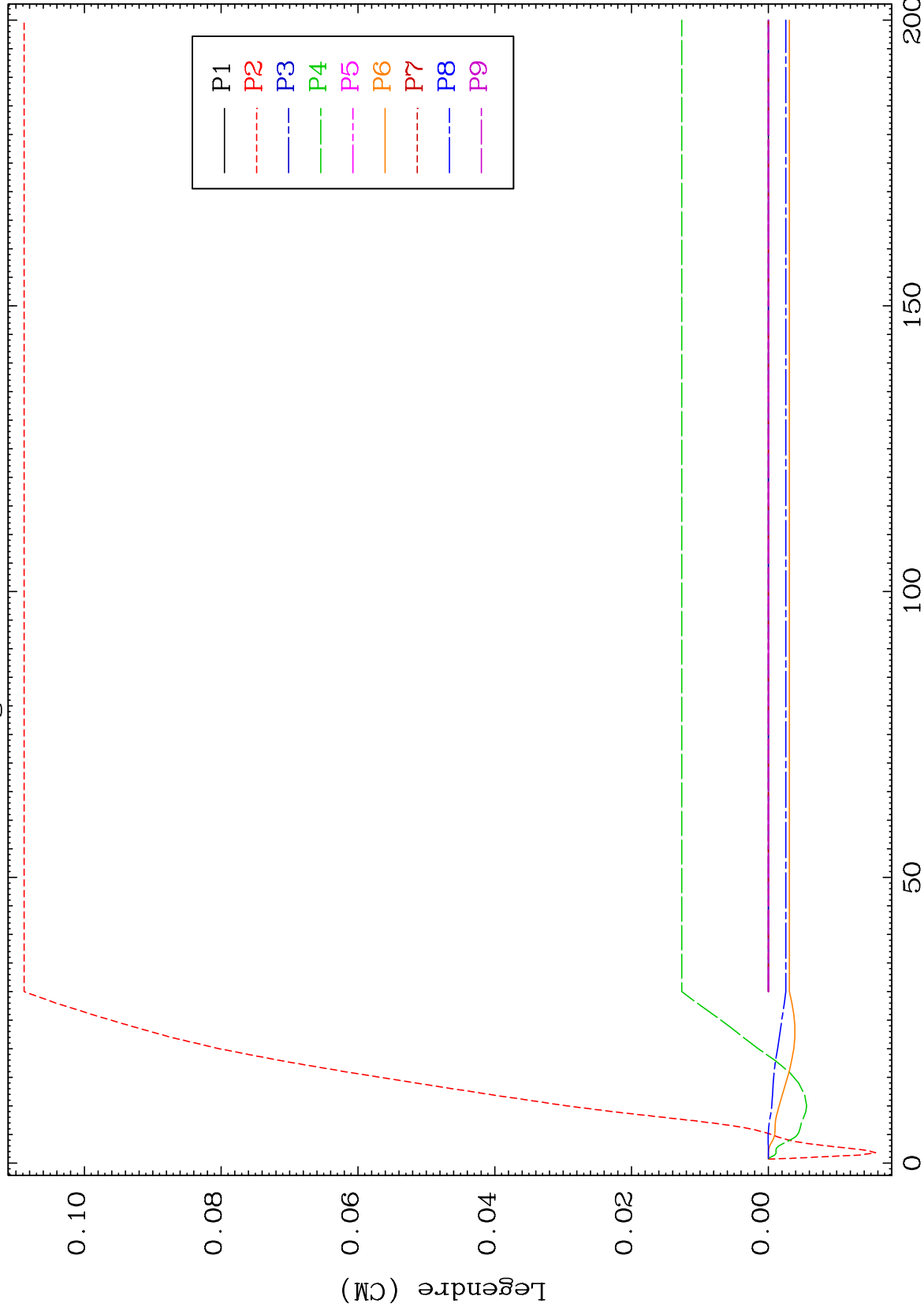
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131



56

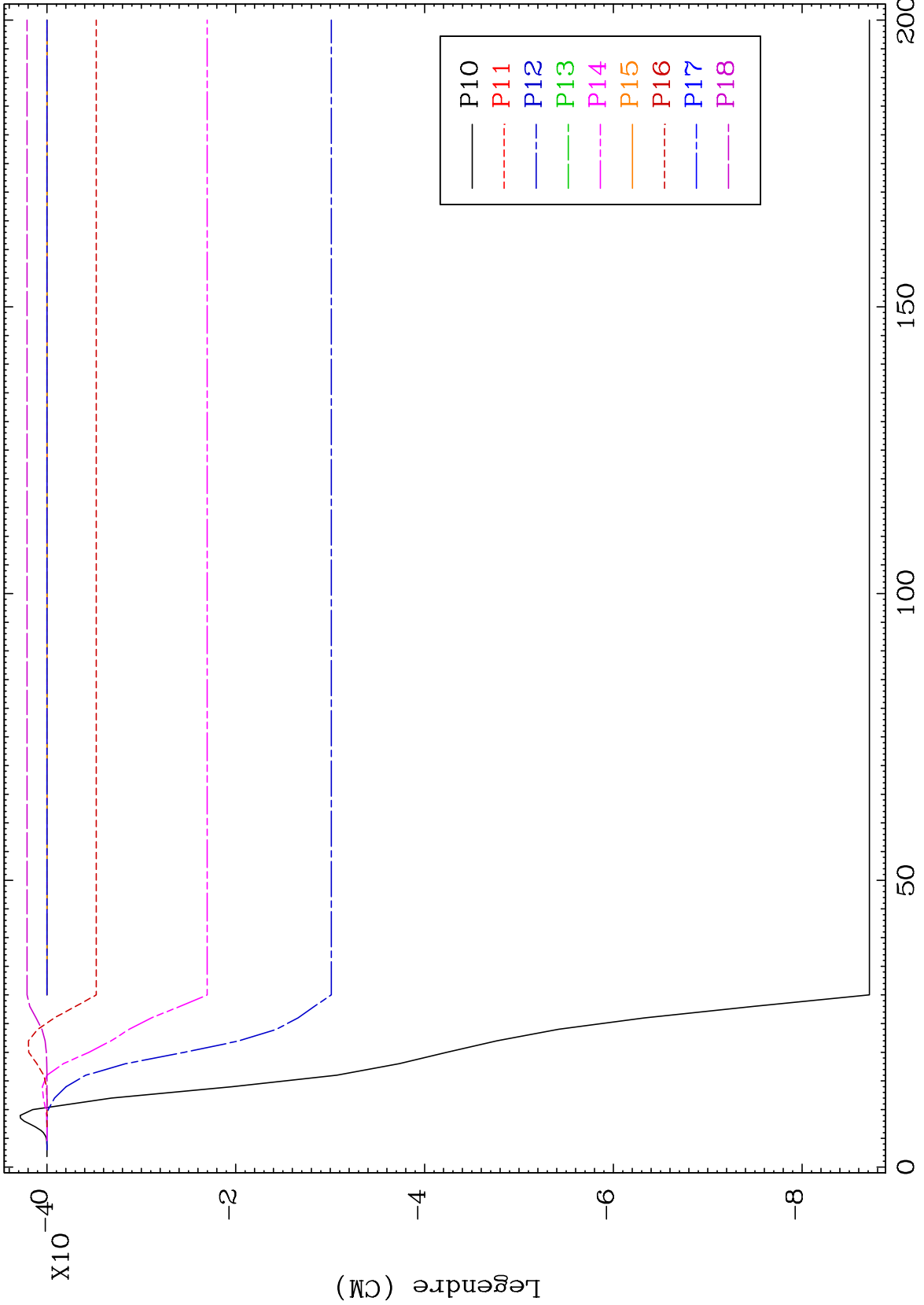
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131



57

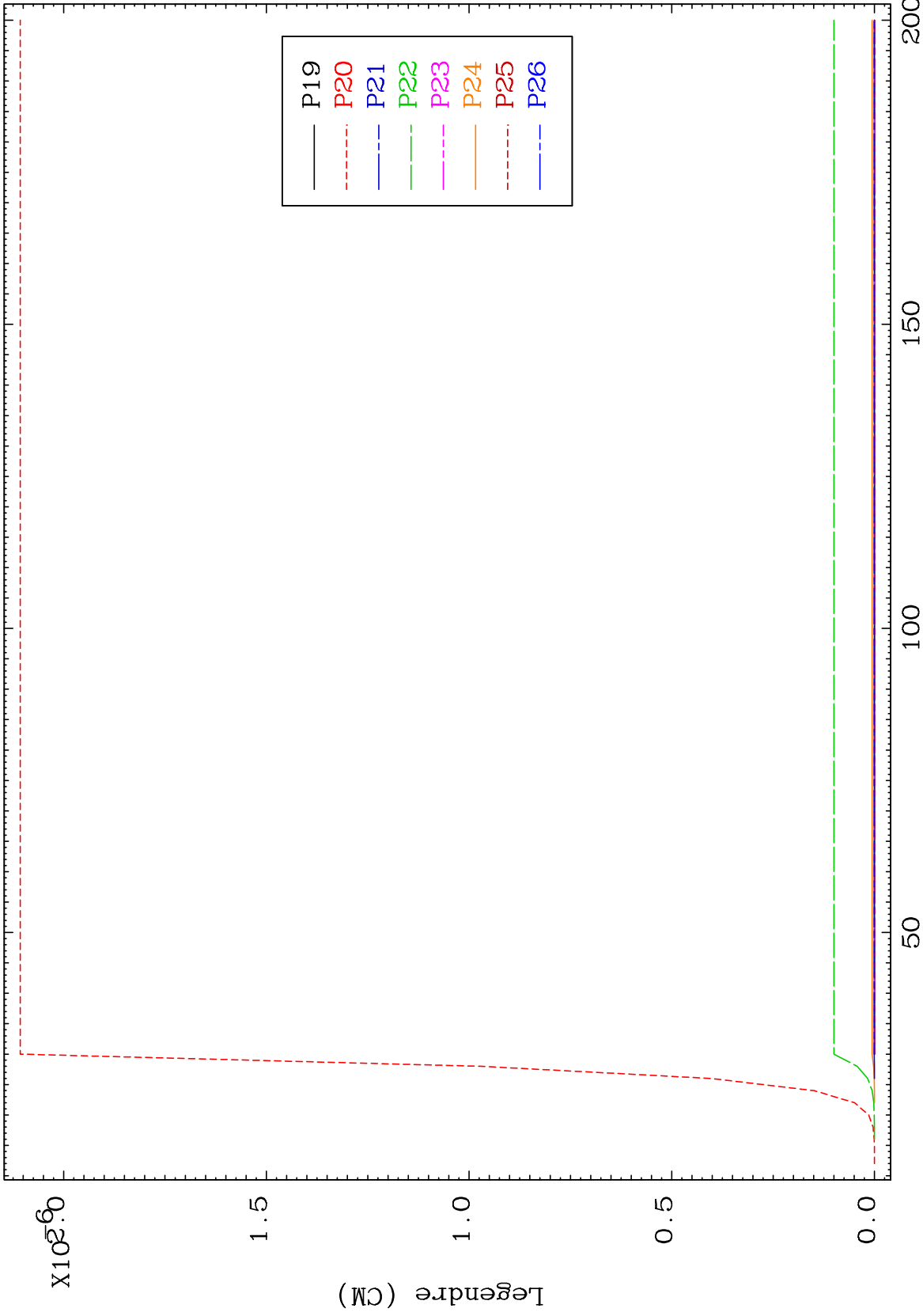
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131



58

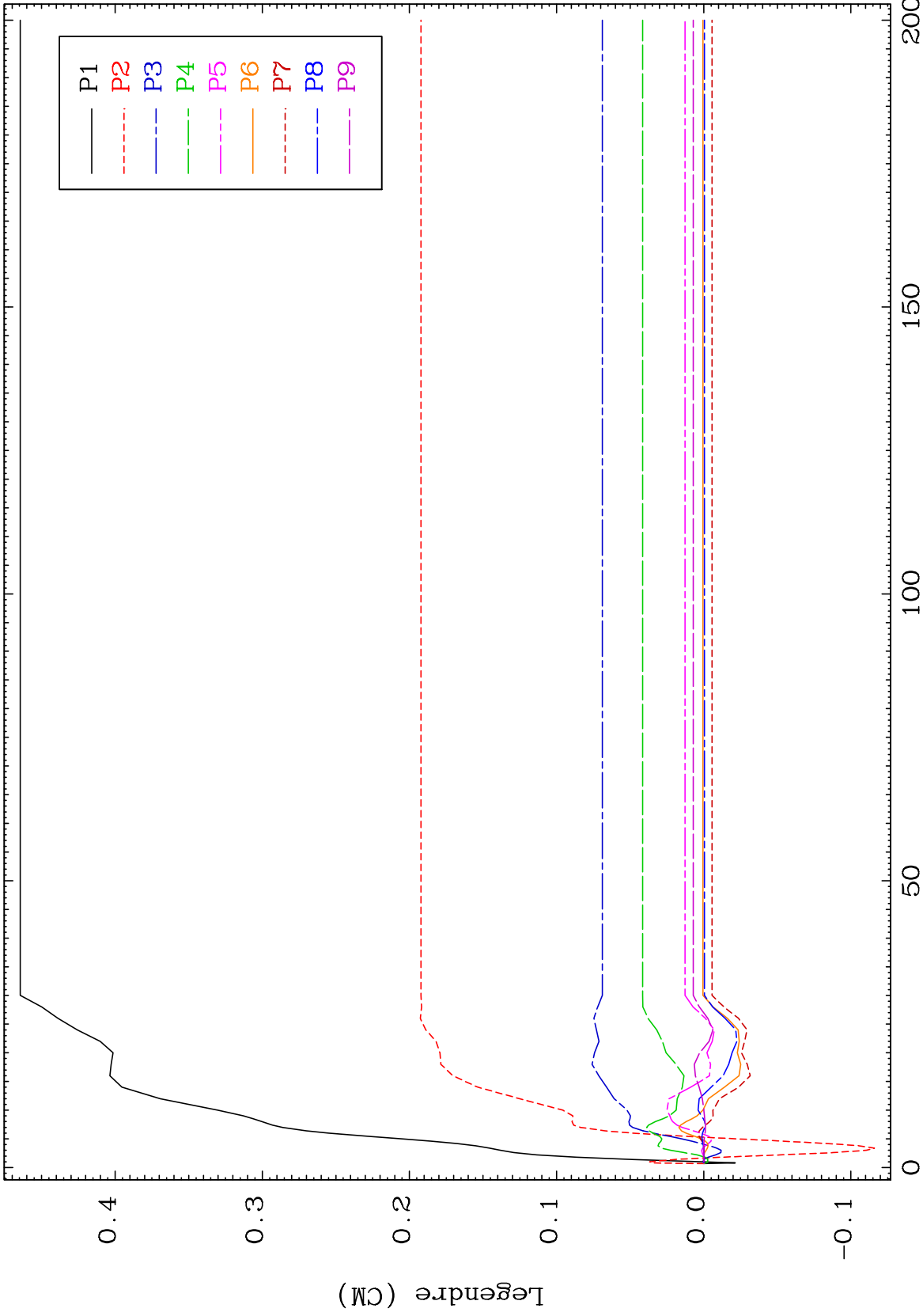
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131



59

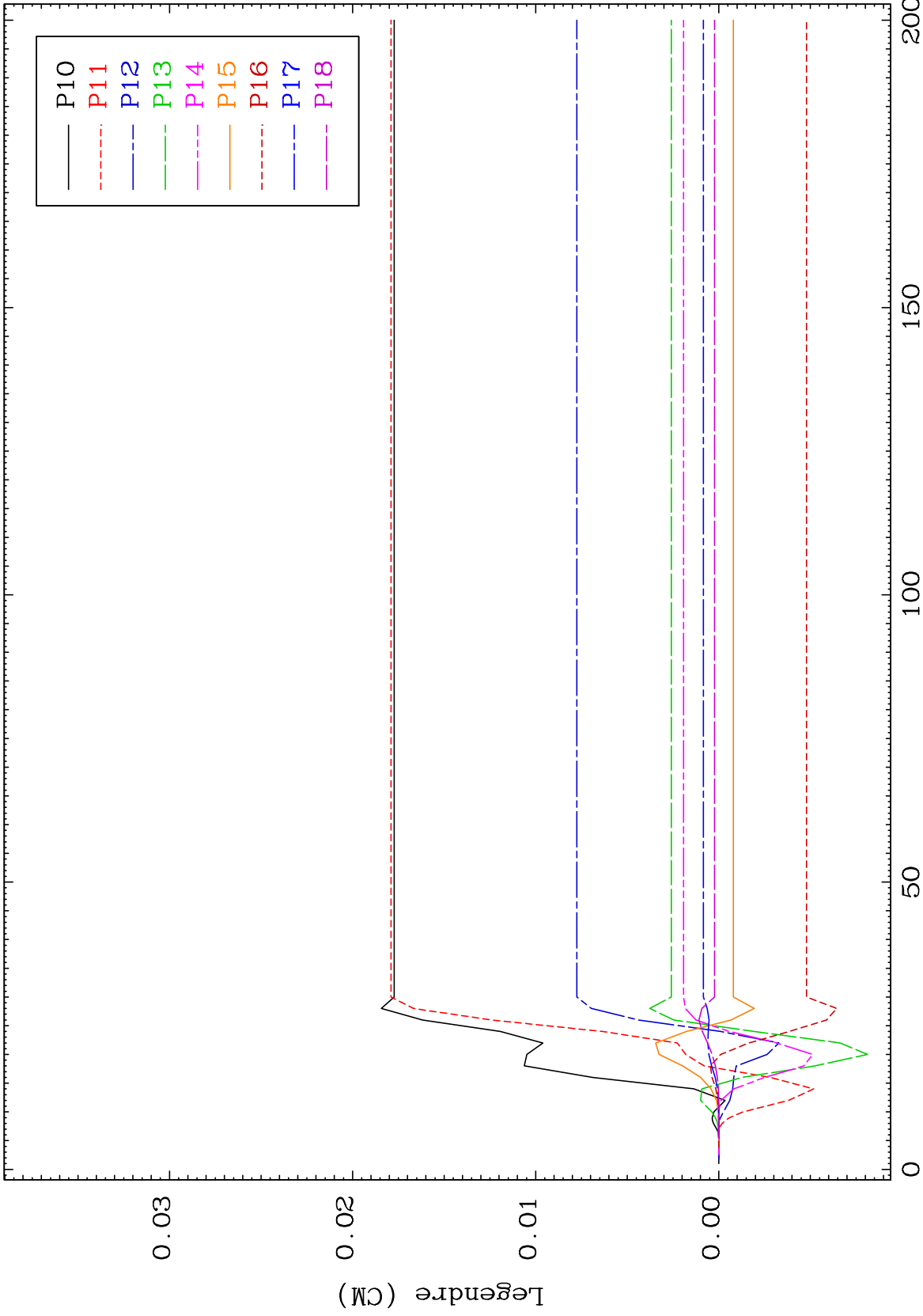
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131



59-Pr-131

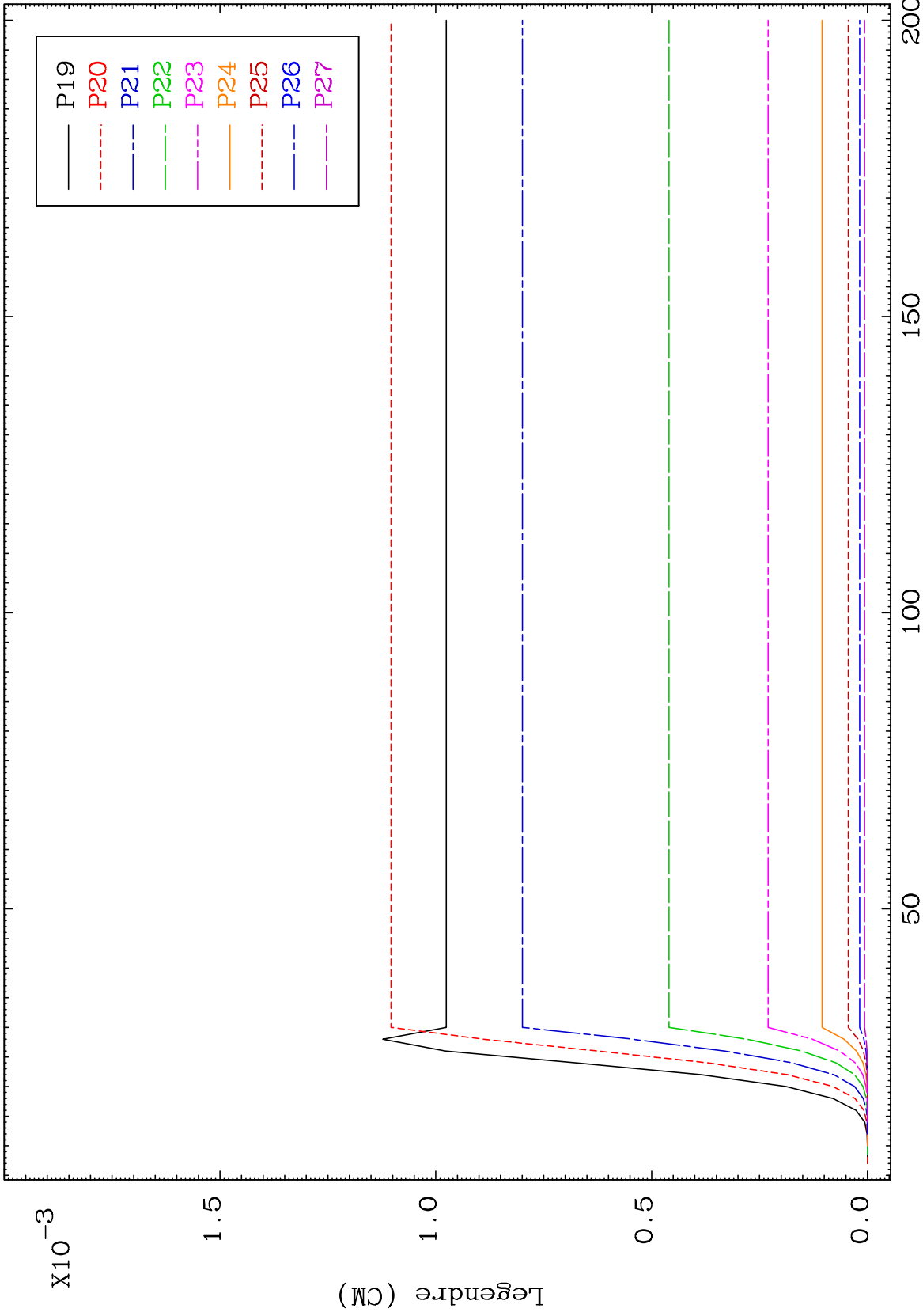
Incident Energy (MeV)

60

MAT 5895

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

59-Pr-131



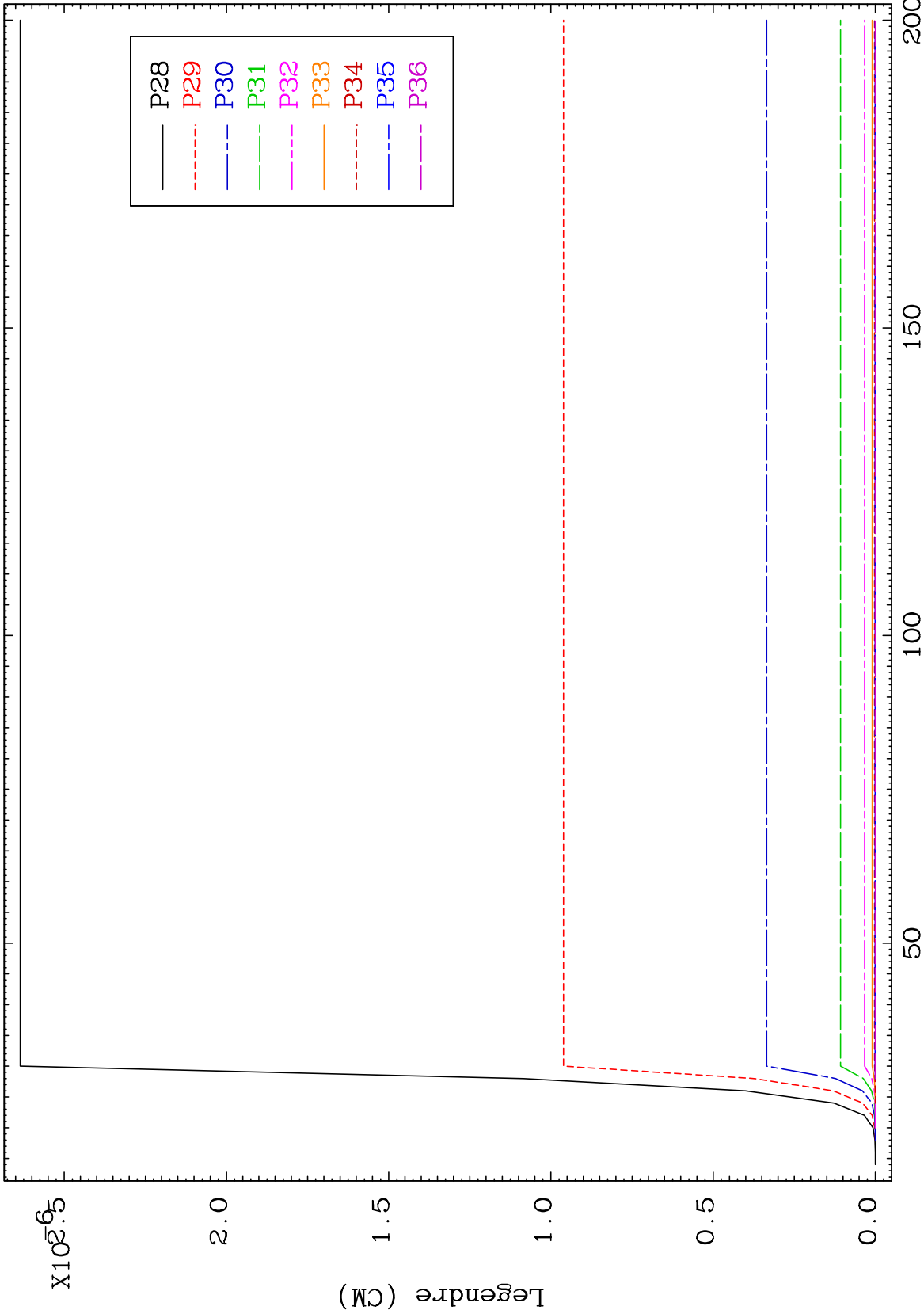
61

59-Pr-131

MAT 5895

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

59-Pr-131



62

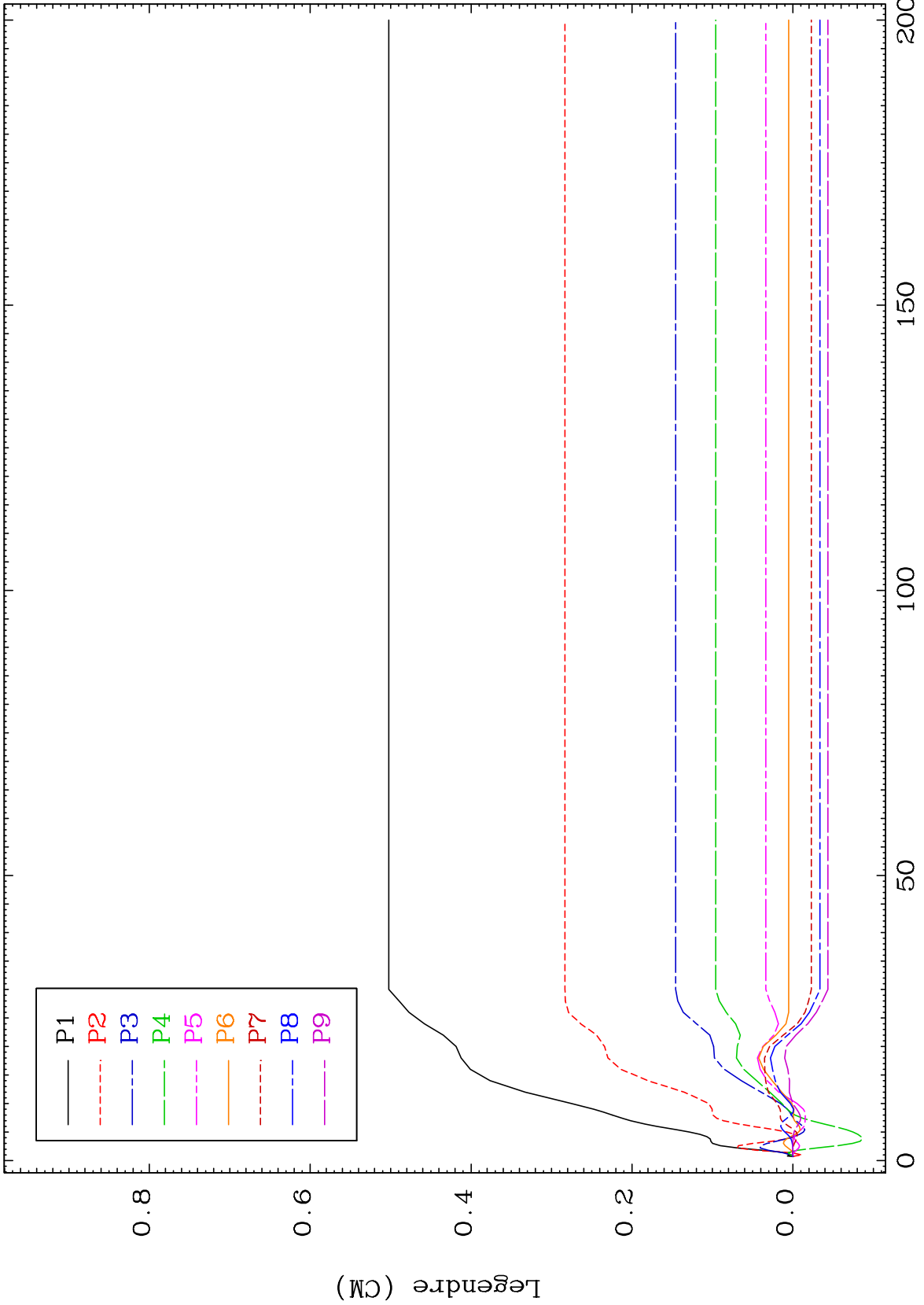
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131



63

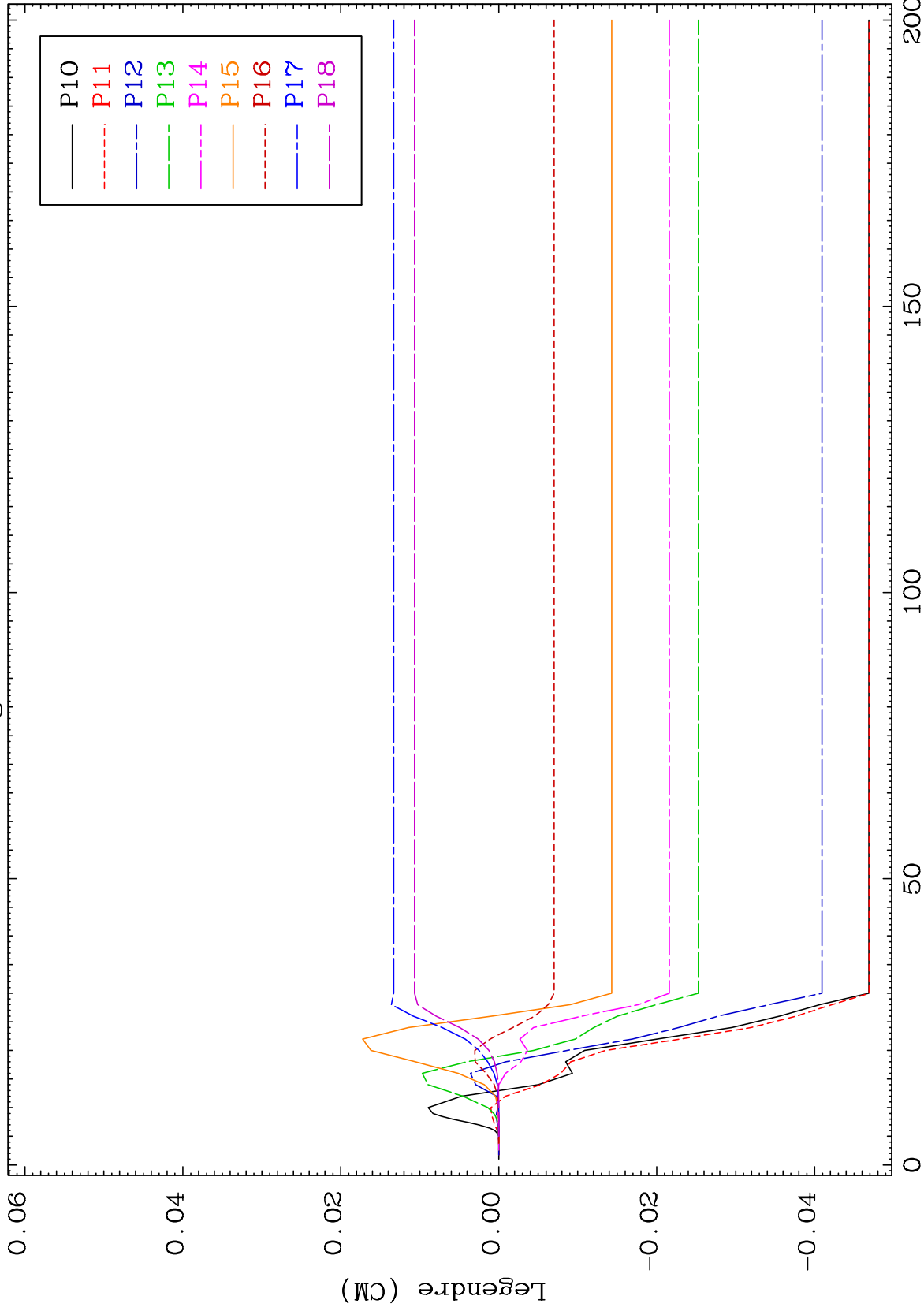
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131



64

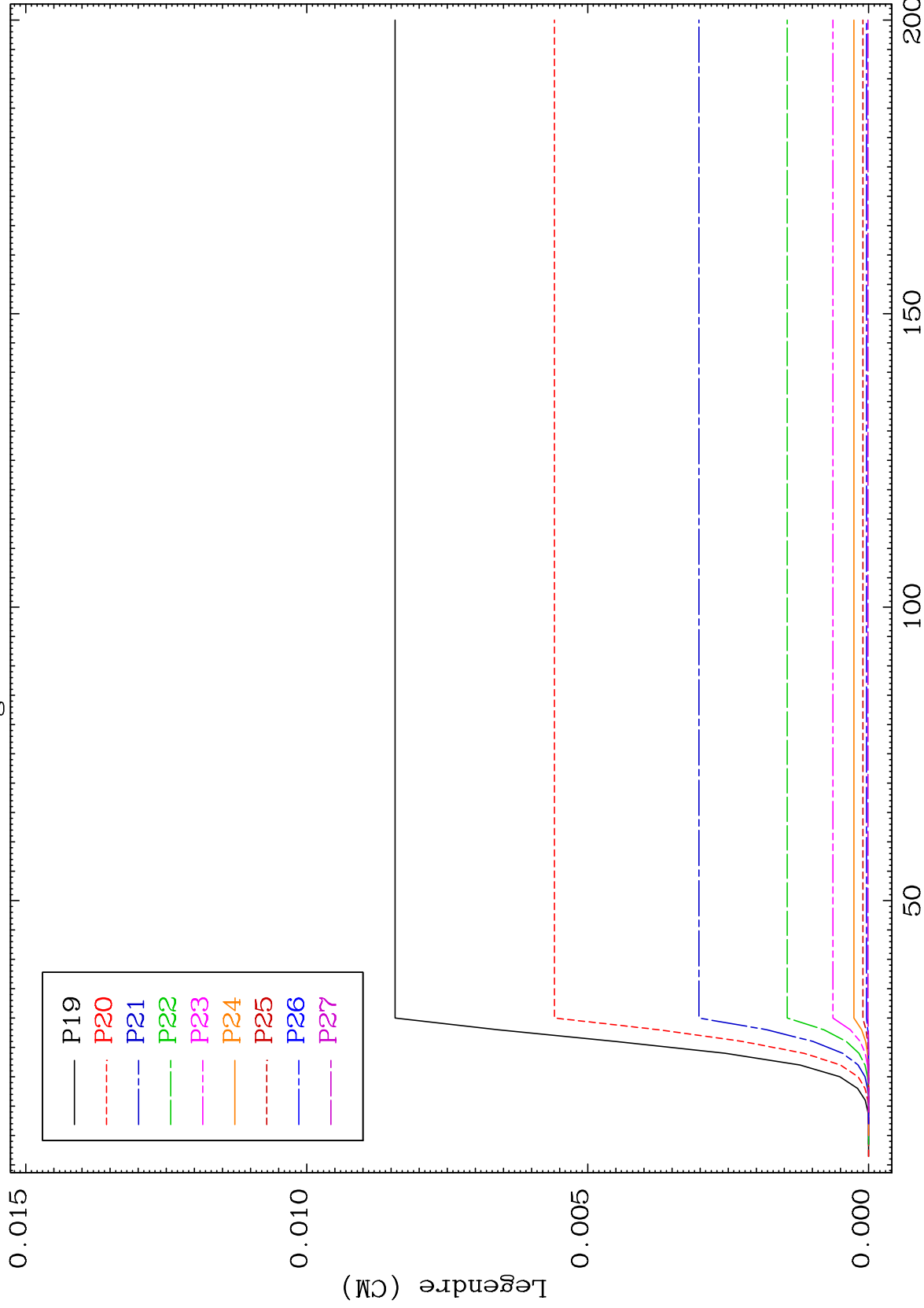
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

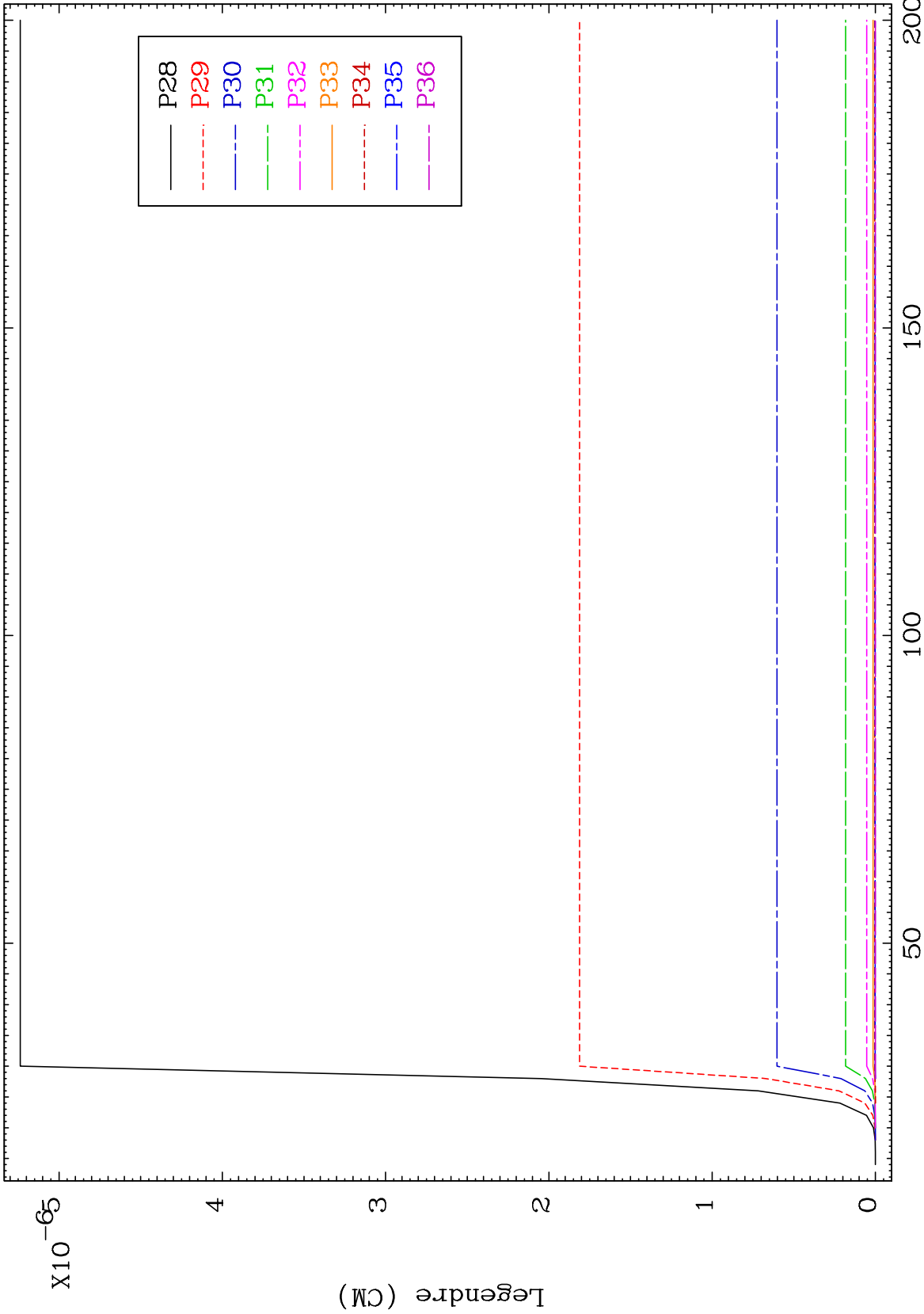
59-Pr-131



65

Incident Energy (MeV)

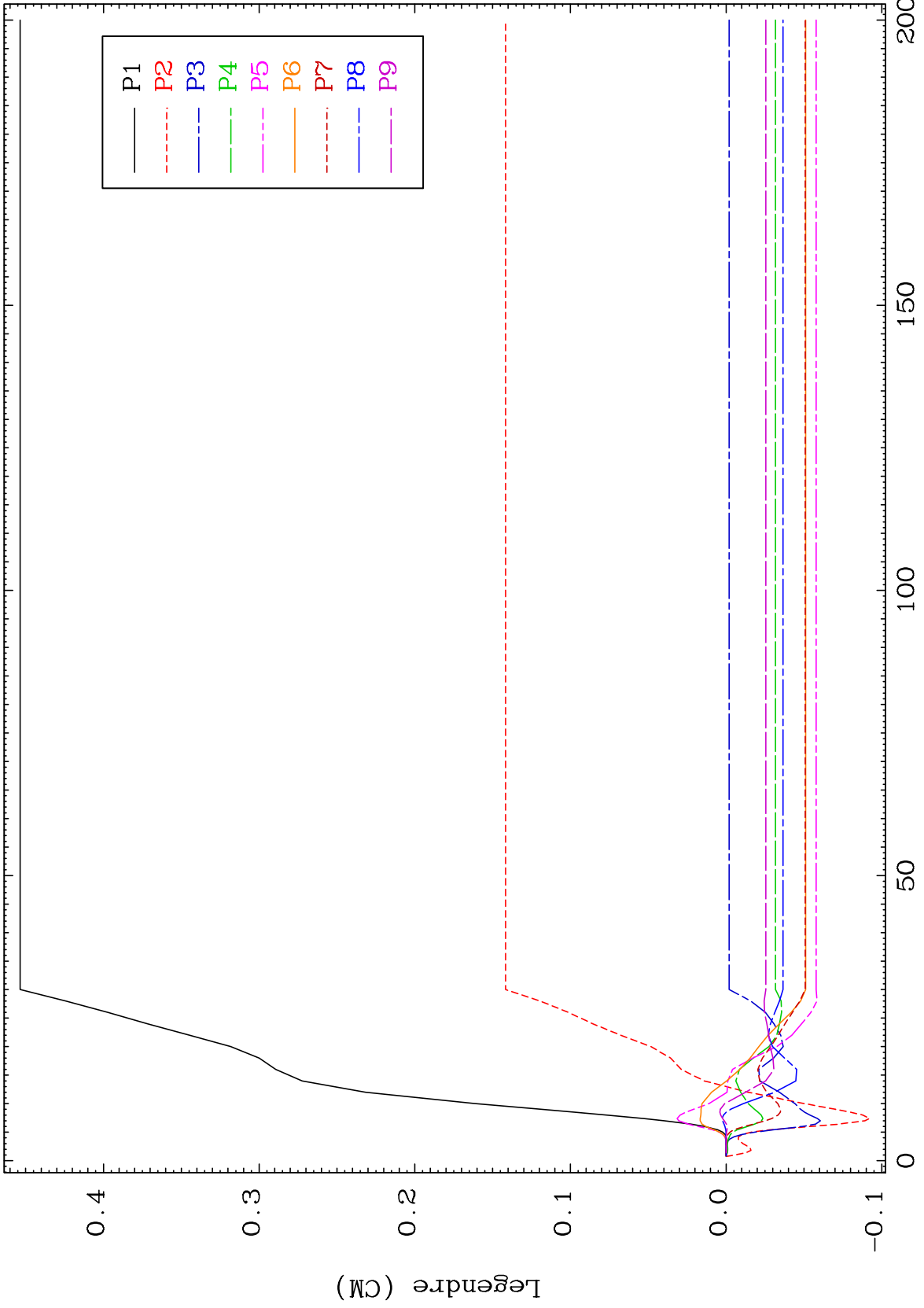
59-Pr-131



MAT 5895

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

59-Pr-131



67

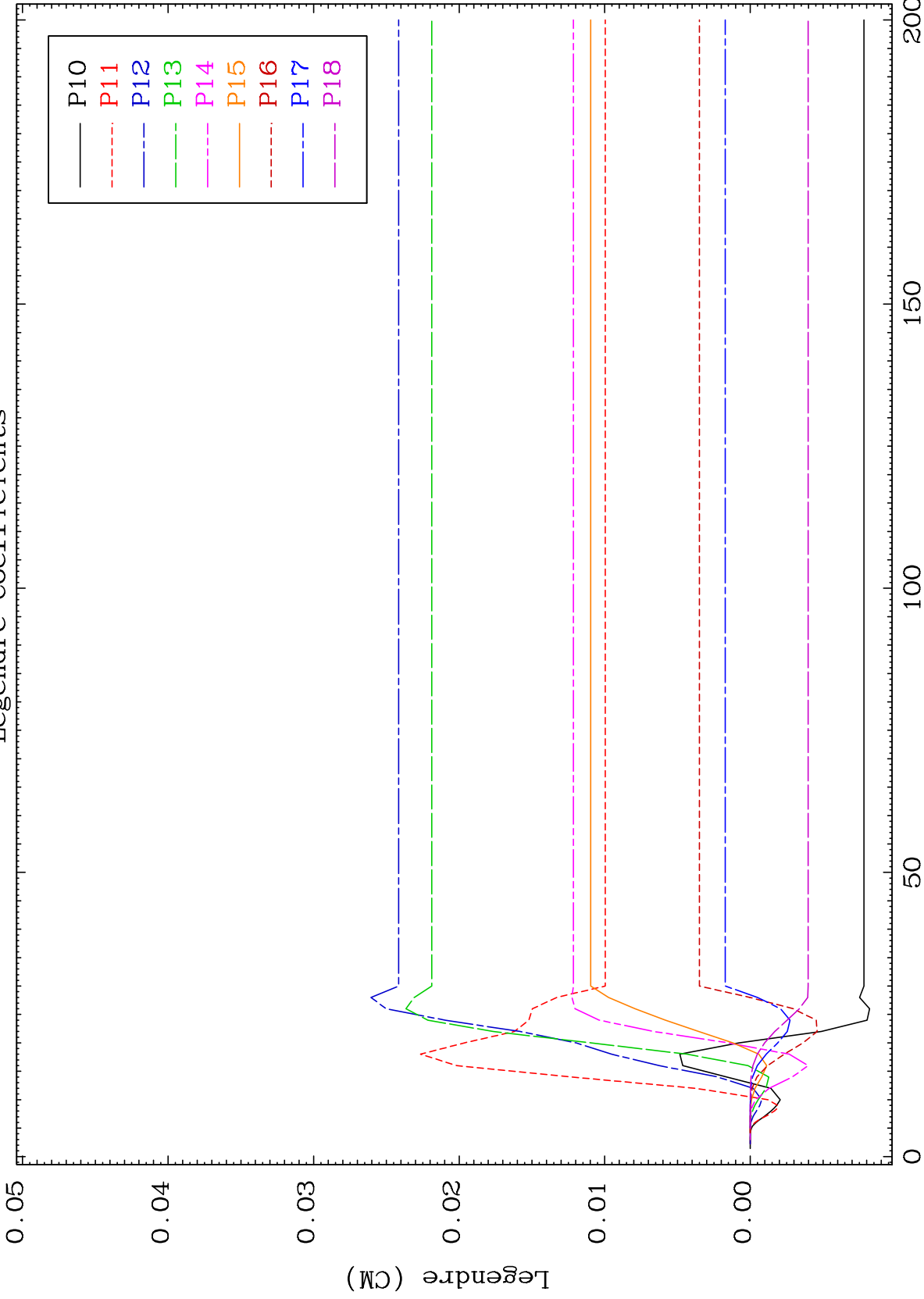
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131



68

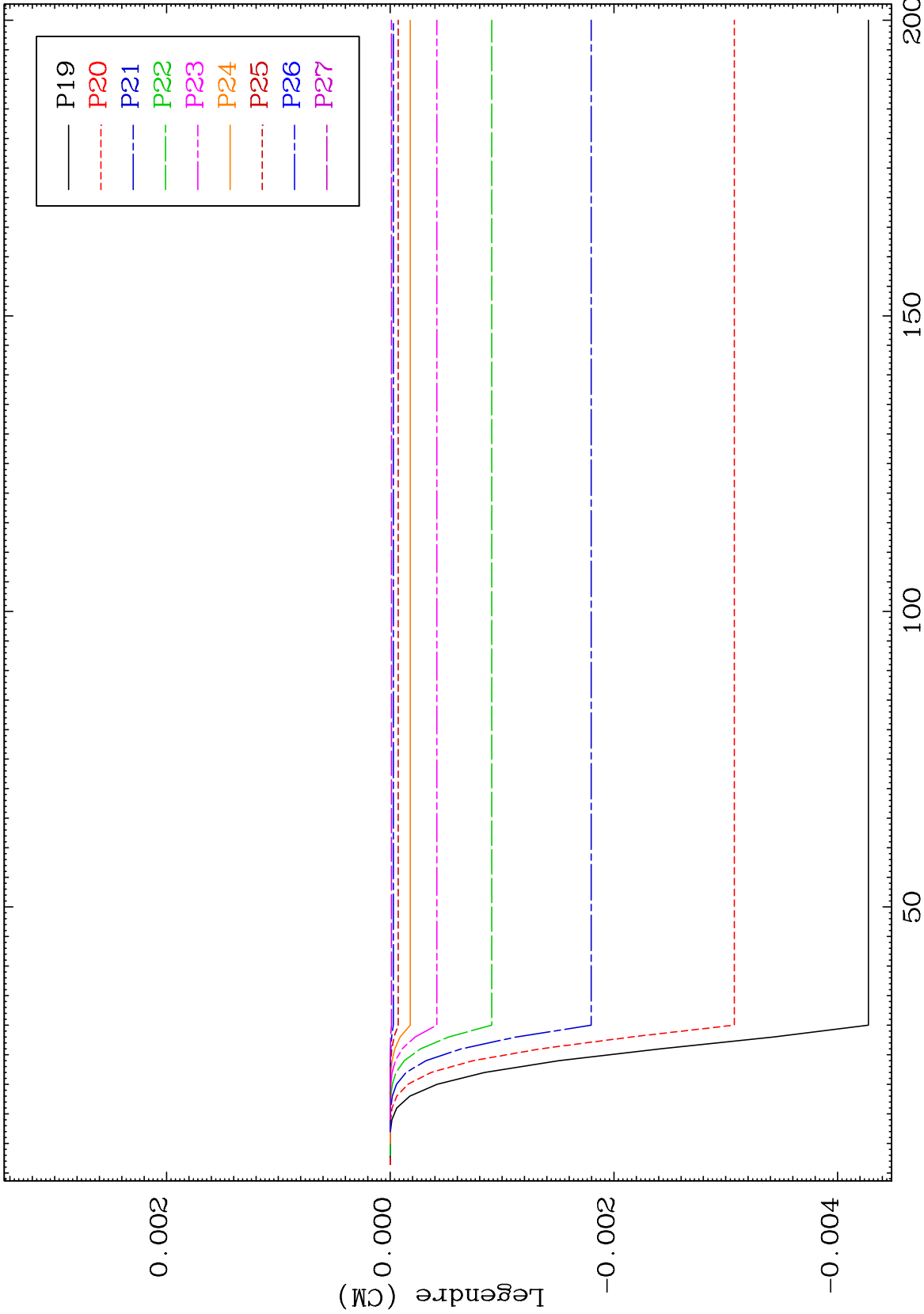
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131



69

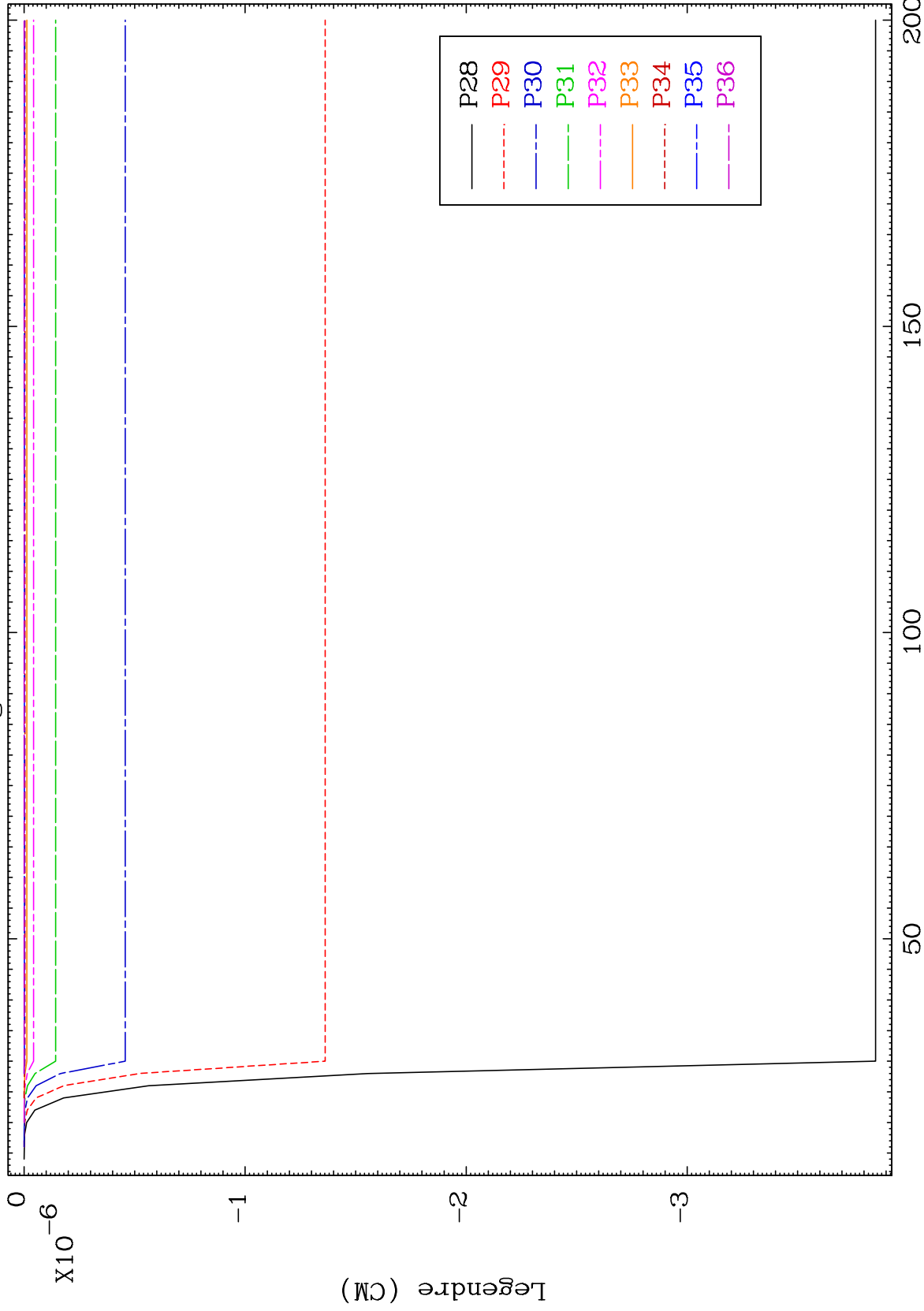
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131



59-Pr-131

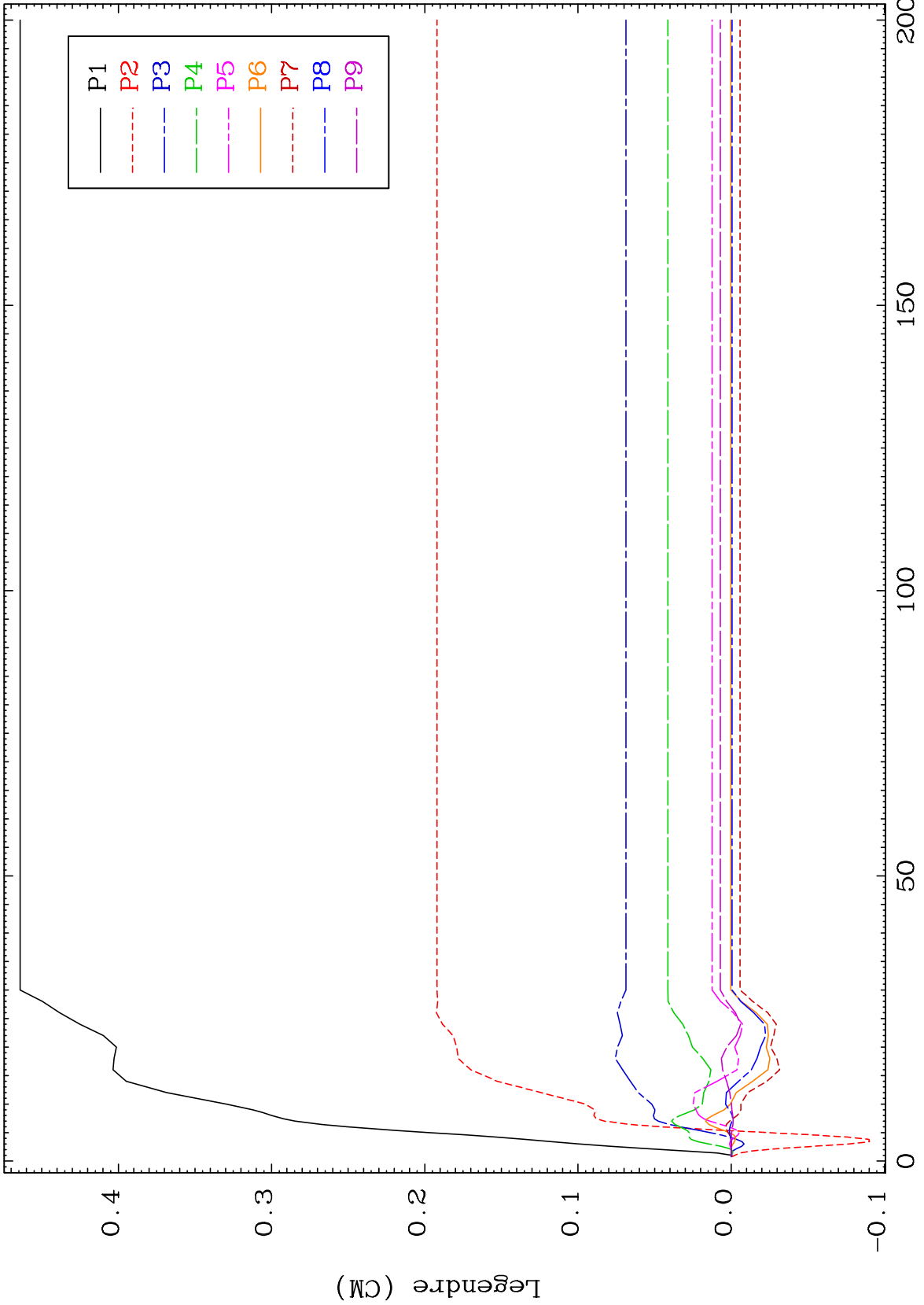
Incident Energy (MeV)

70

MAT 5895

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

59-Pr-131



71

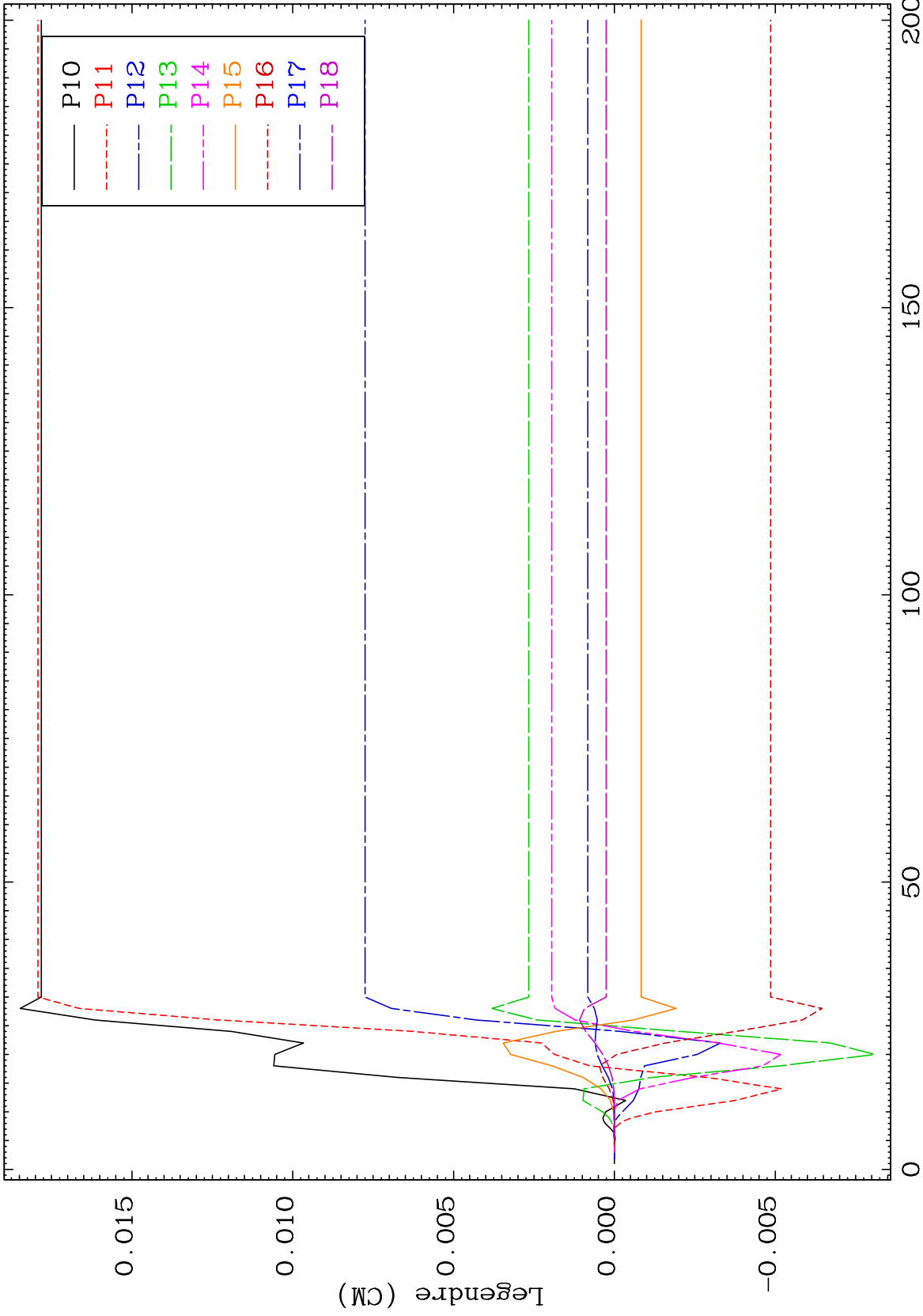
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131



72

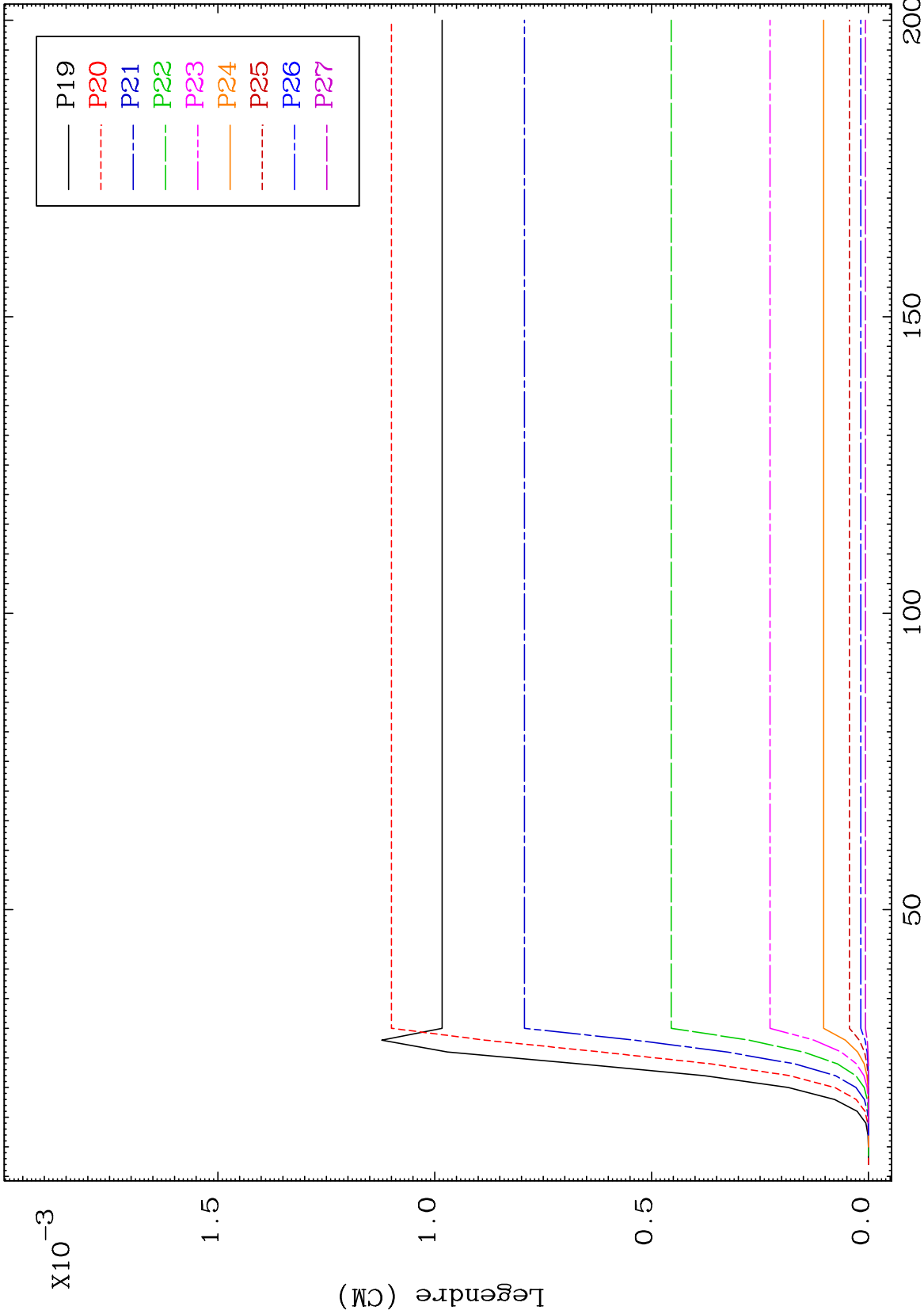
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

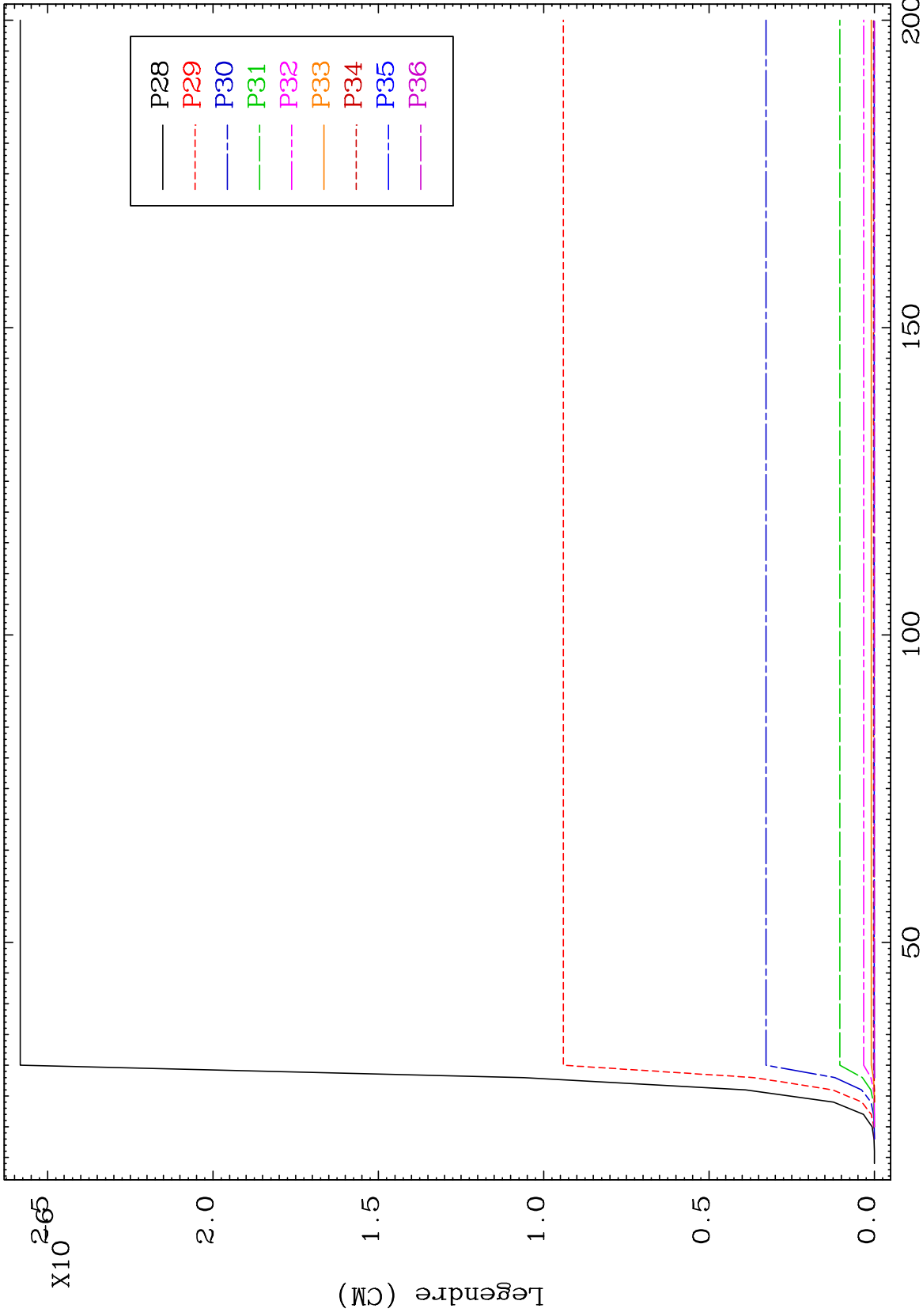
59-Pr-131



73

Incident Energy (MeV)

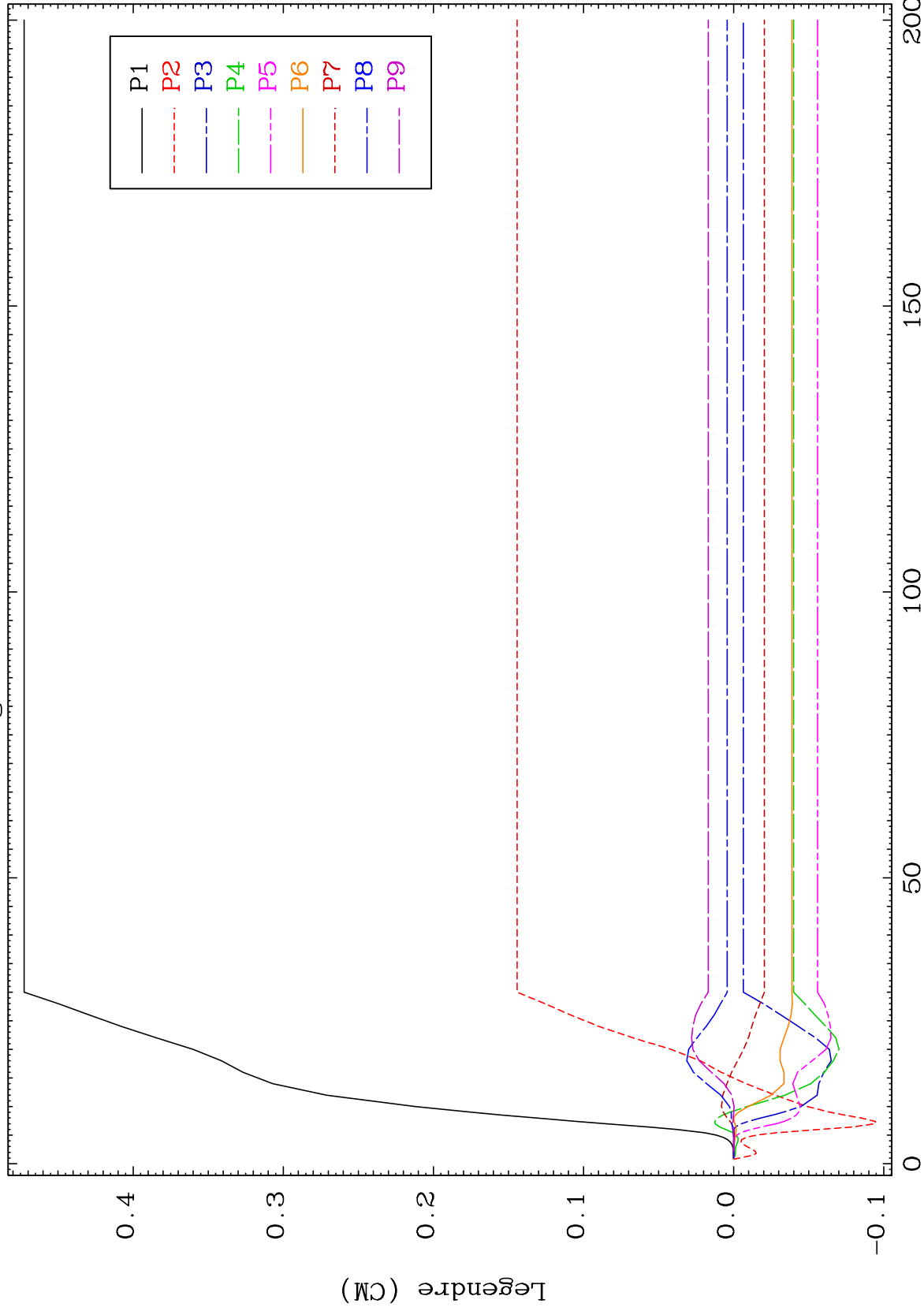
59-Pr-131



MAT 5895

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

59-Pr-131



59-Pr-131

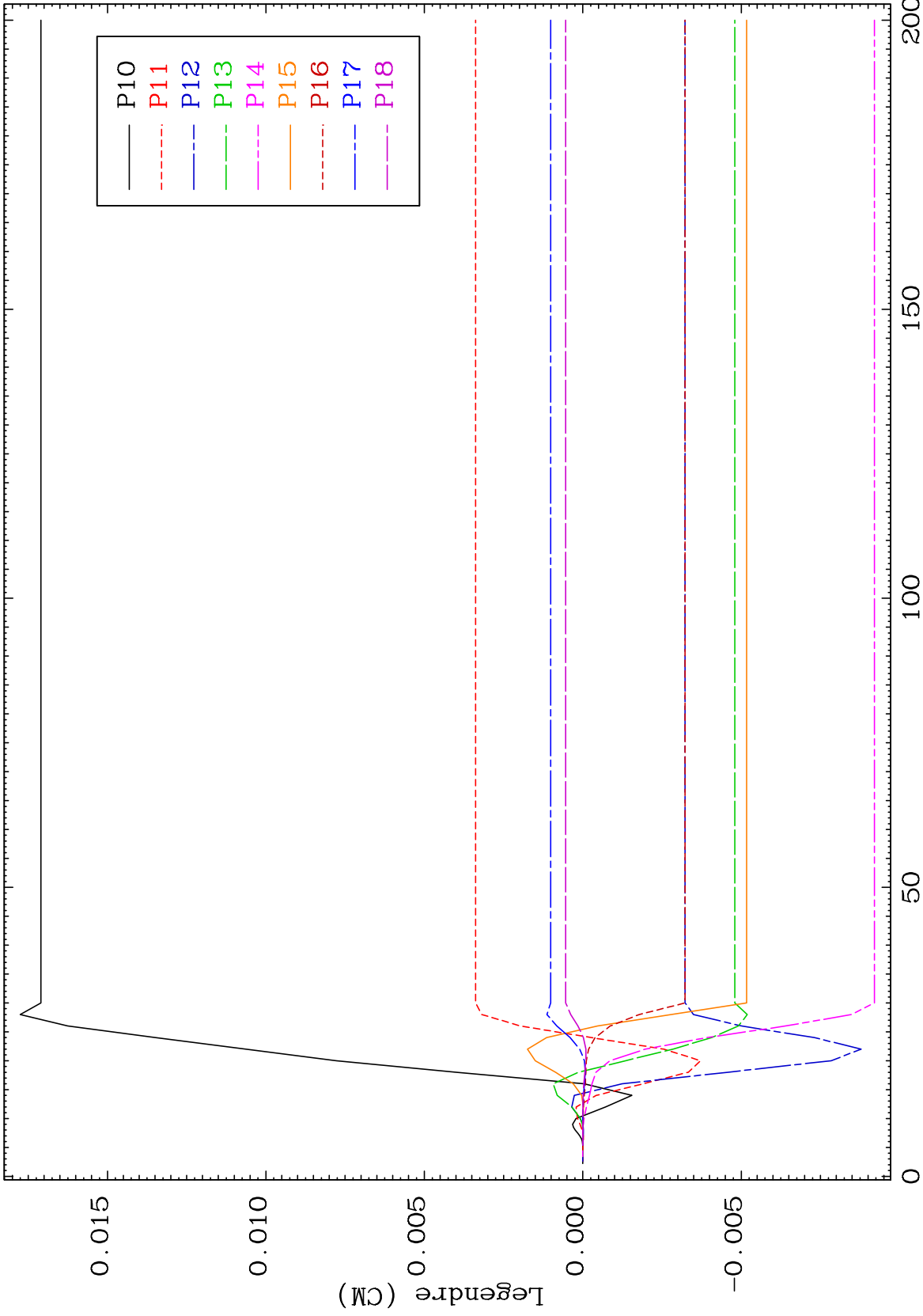
Incident Energy (MeV)

75

MAT 5895

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

59-Pr-131



76

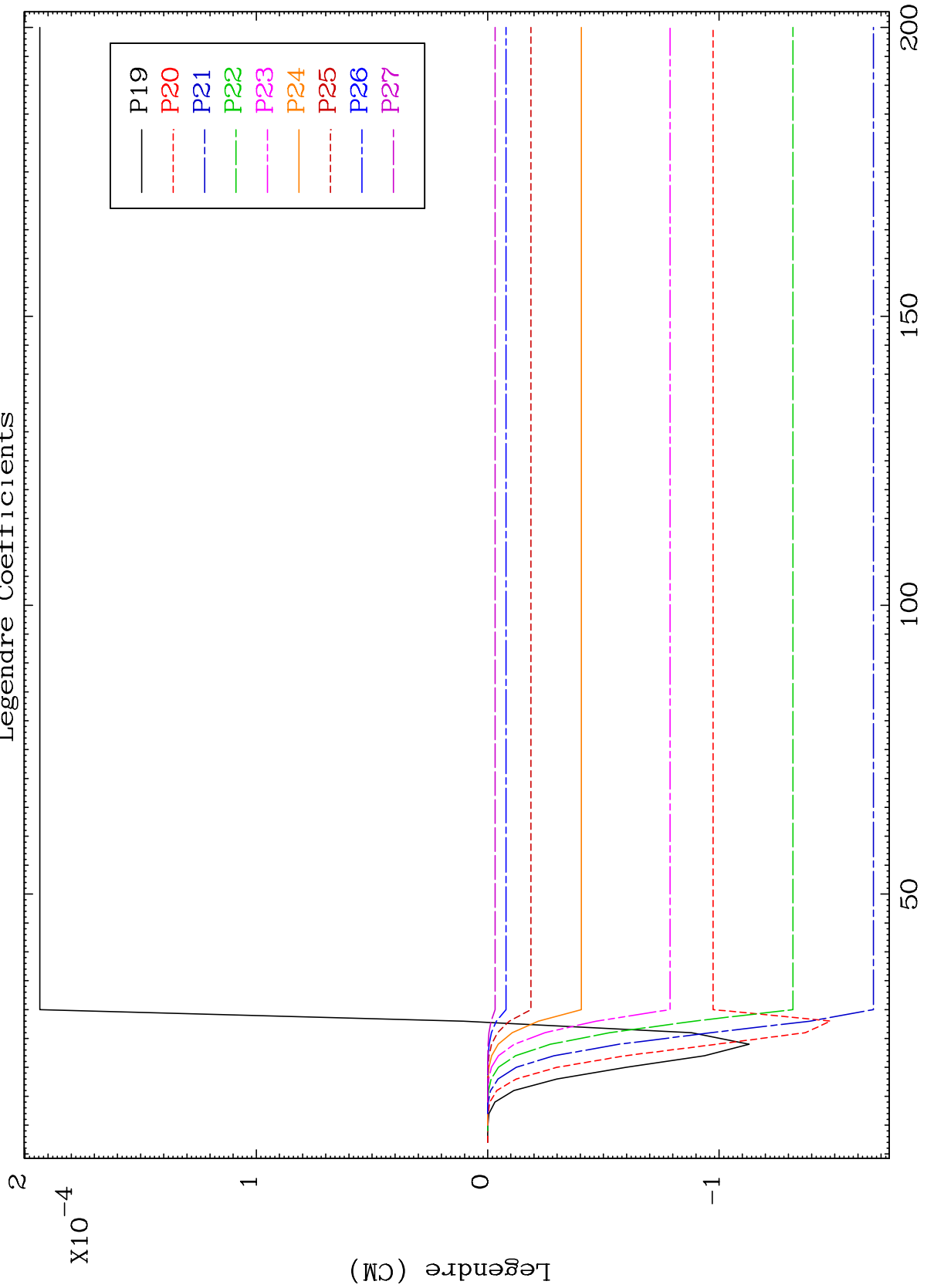
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131



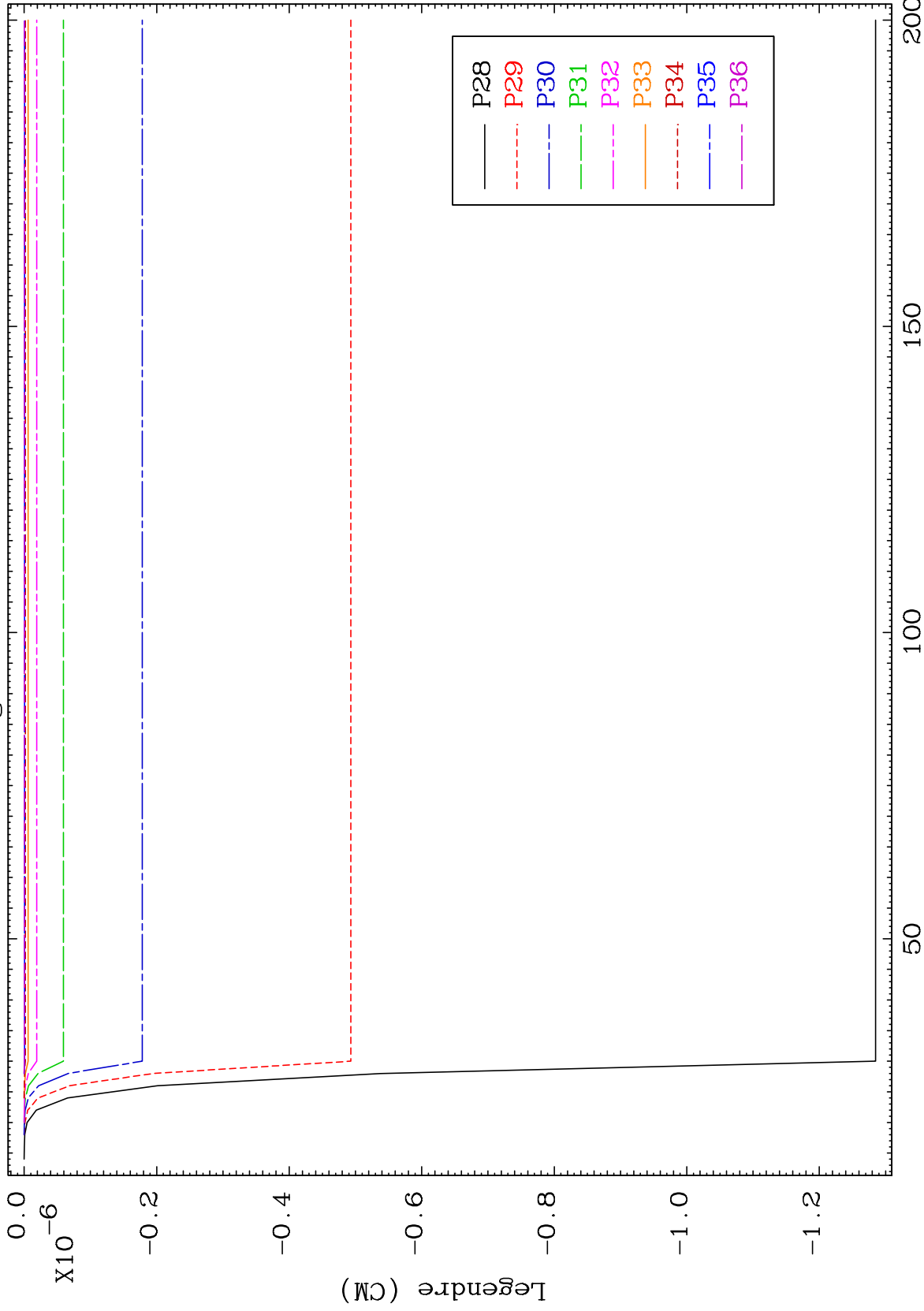
77

59-Pr-131

MAT 5895

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

59-Pr-131



78

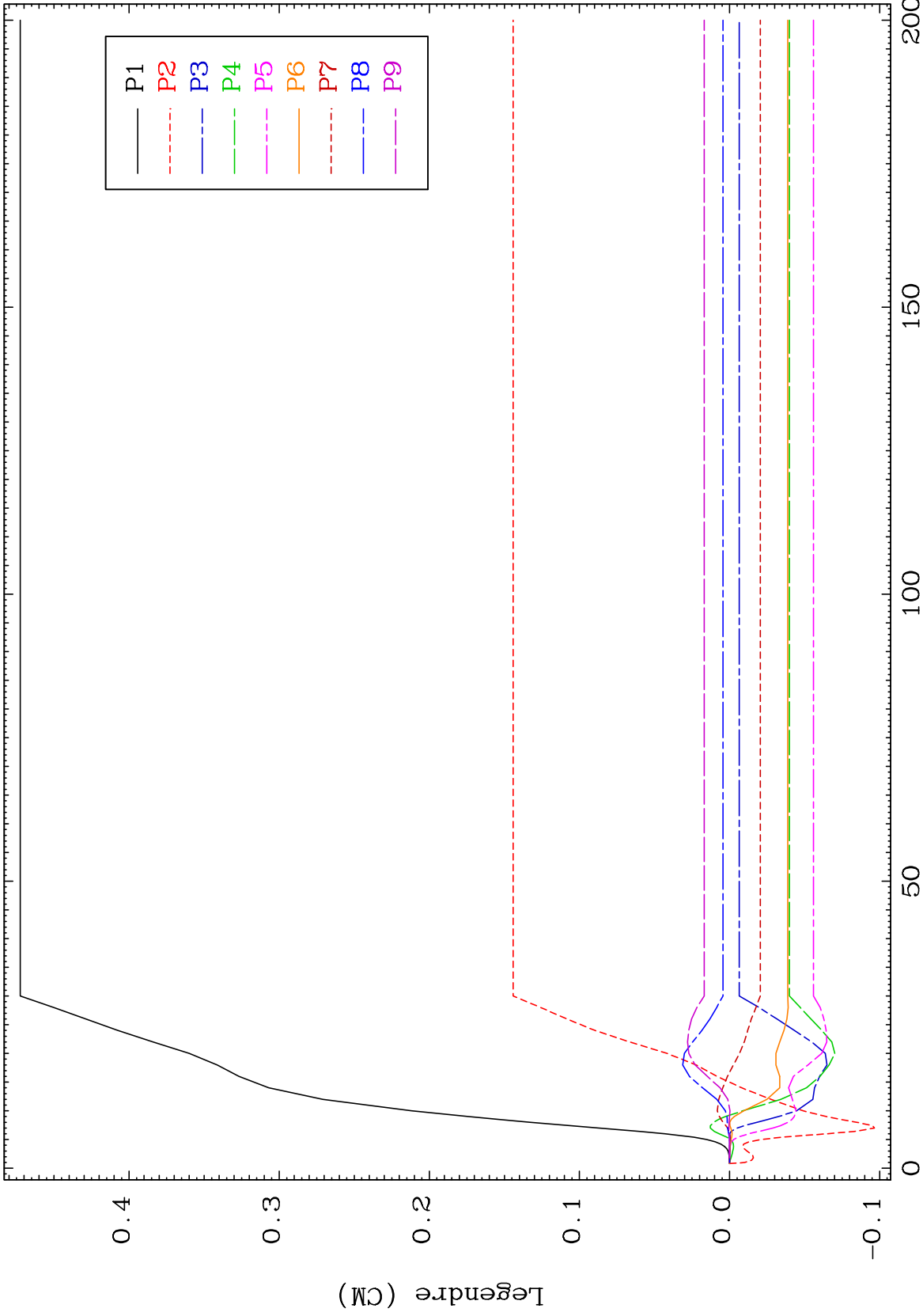
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131



79

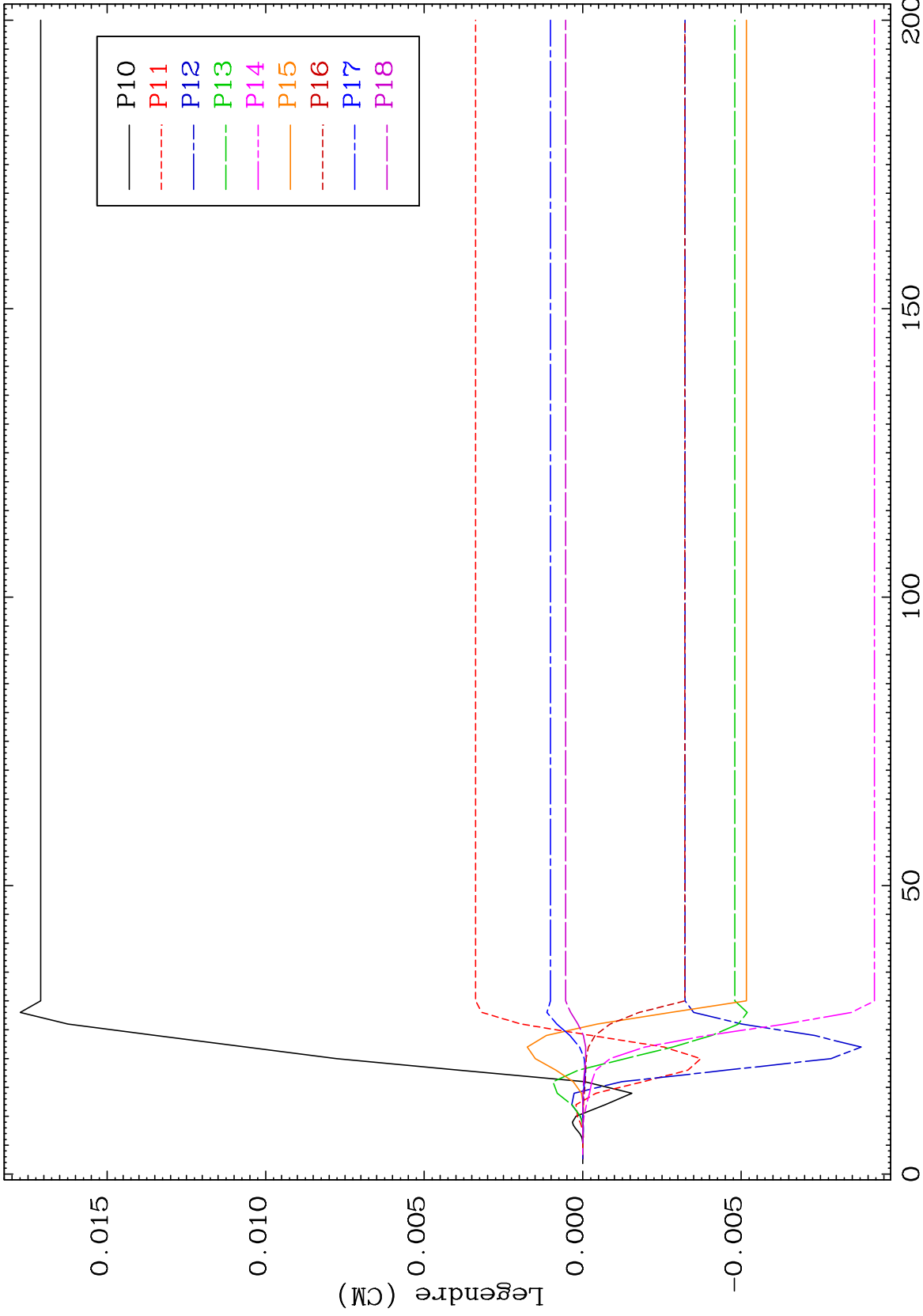
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

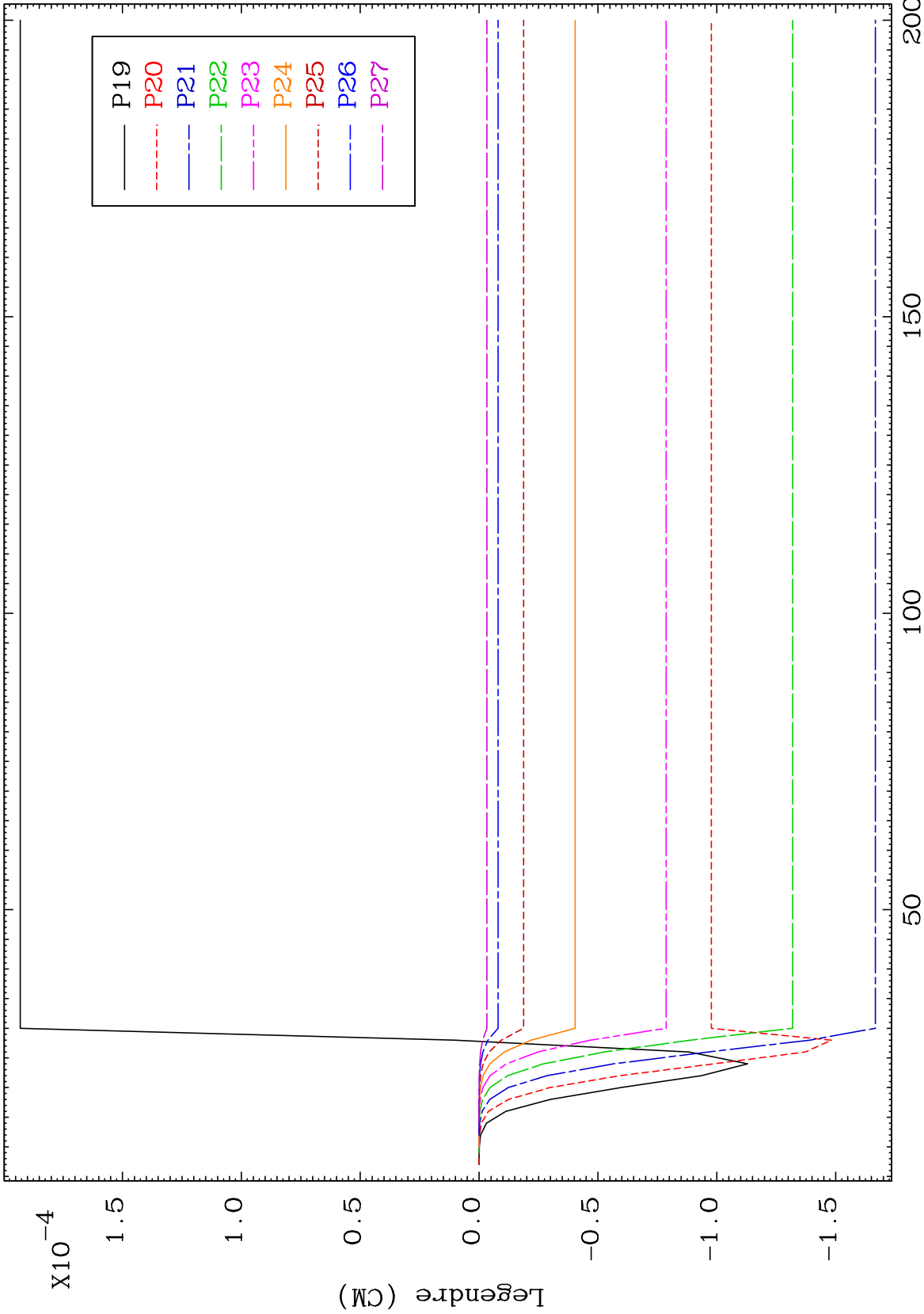
59-Pr-131



80

Incident Energy (MeV)

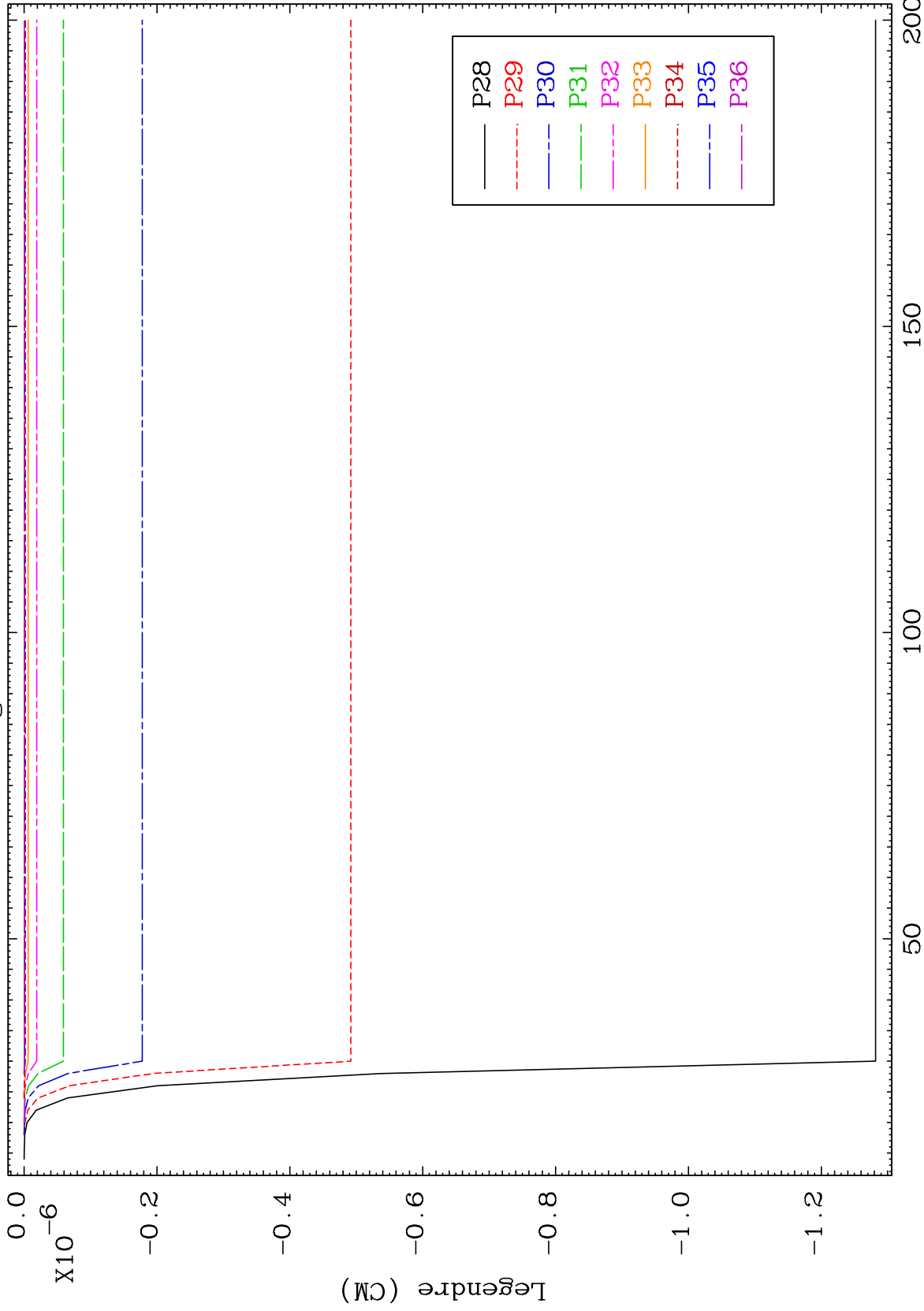
59-Pr-131



MAT 5895

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

59-Pr-131



82

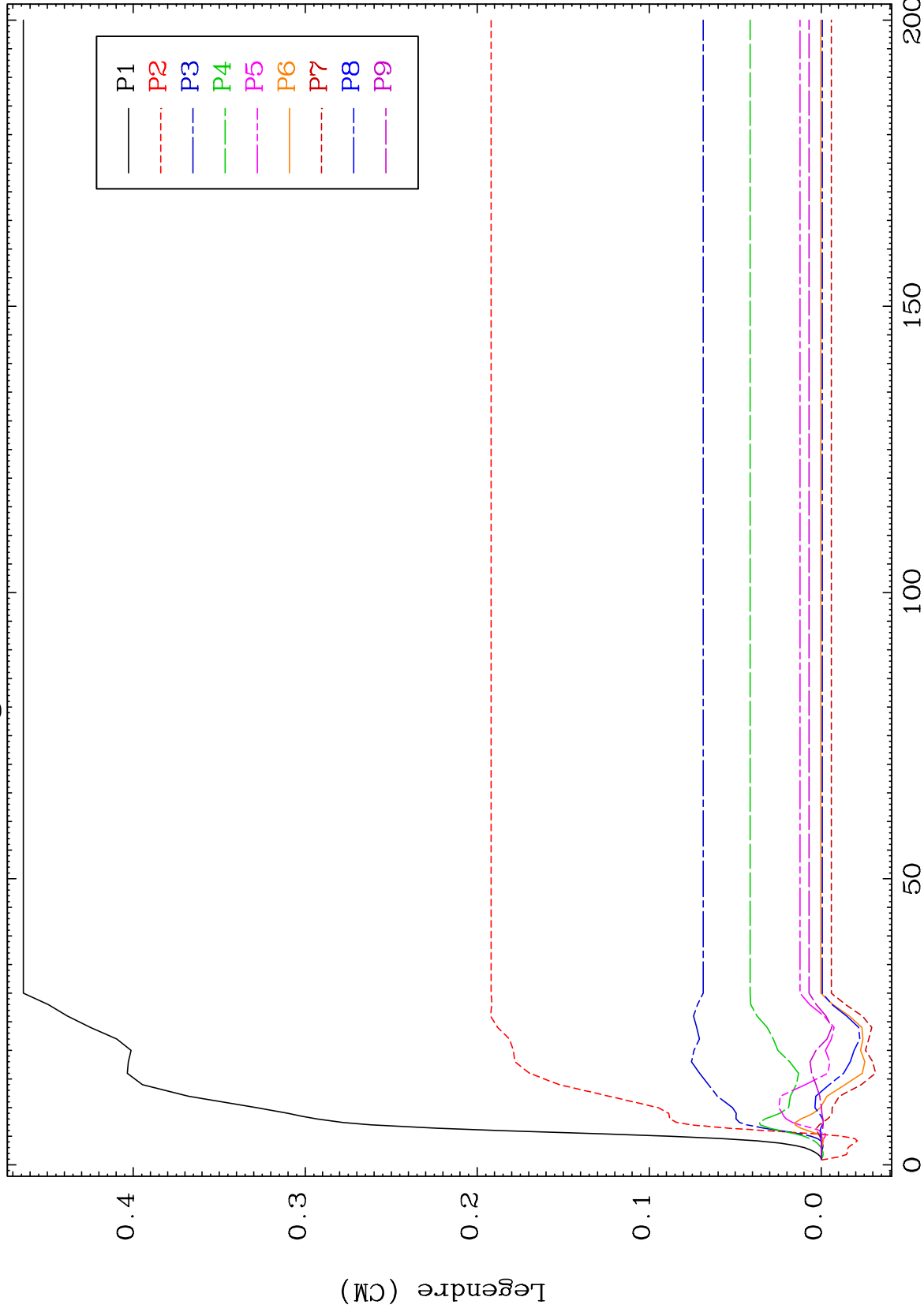
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131



83

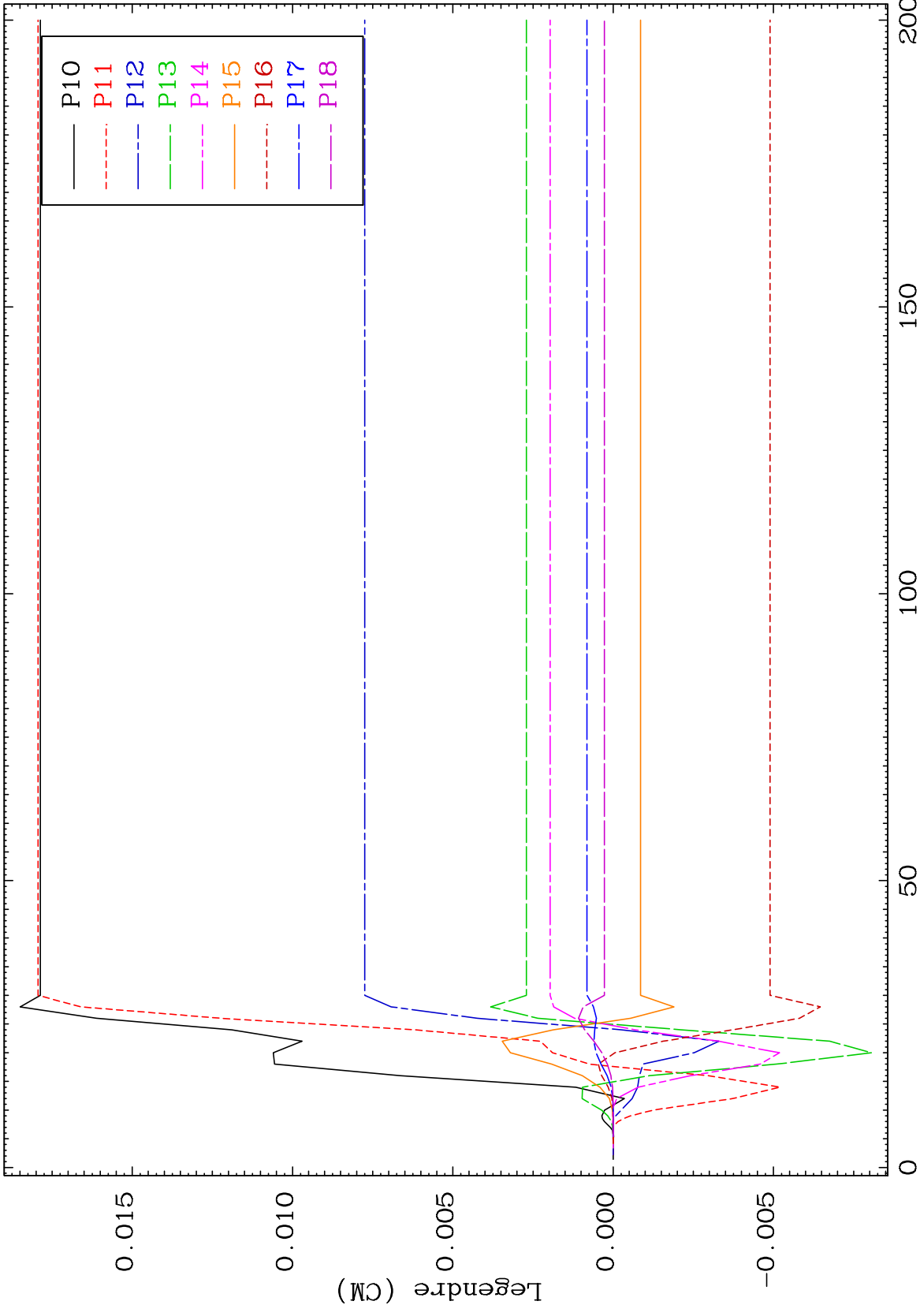
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131



84

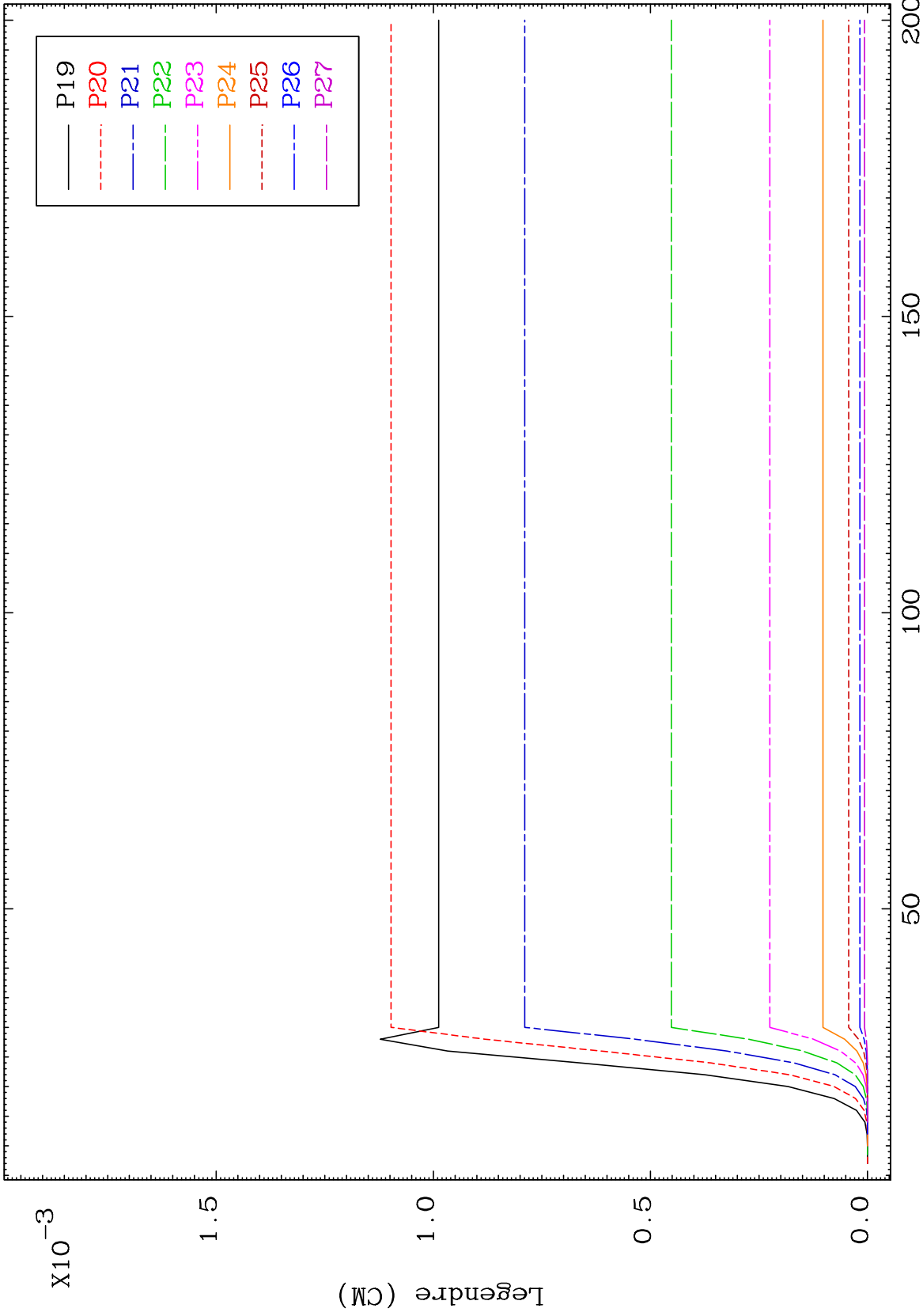
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

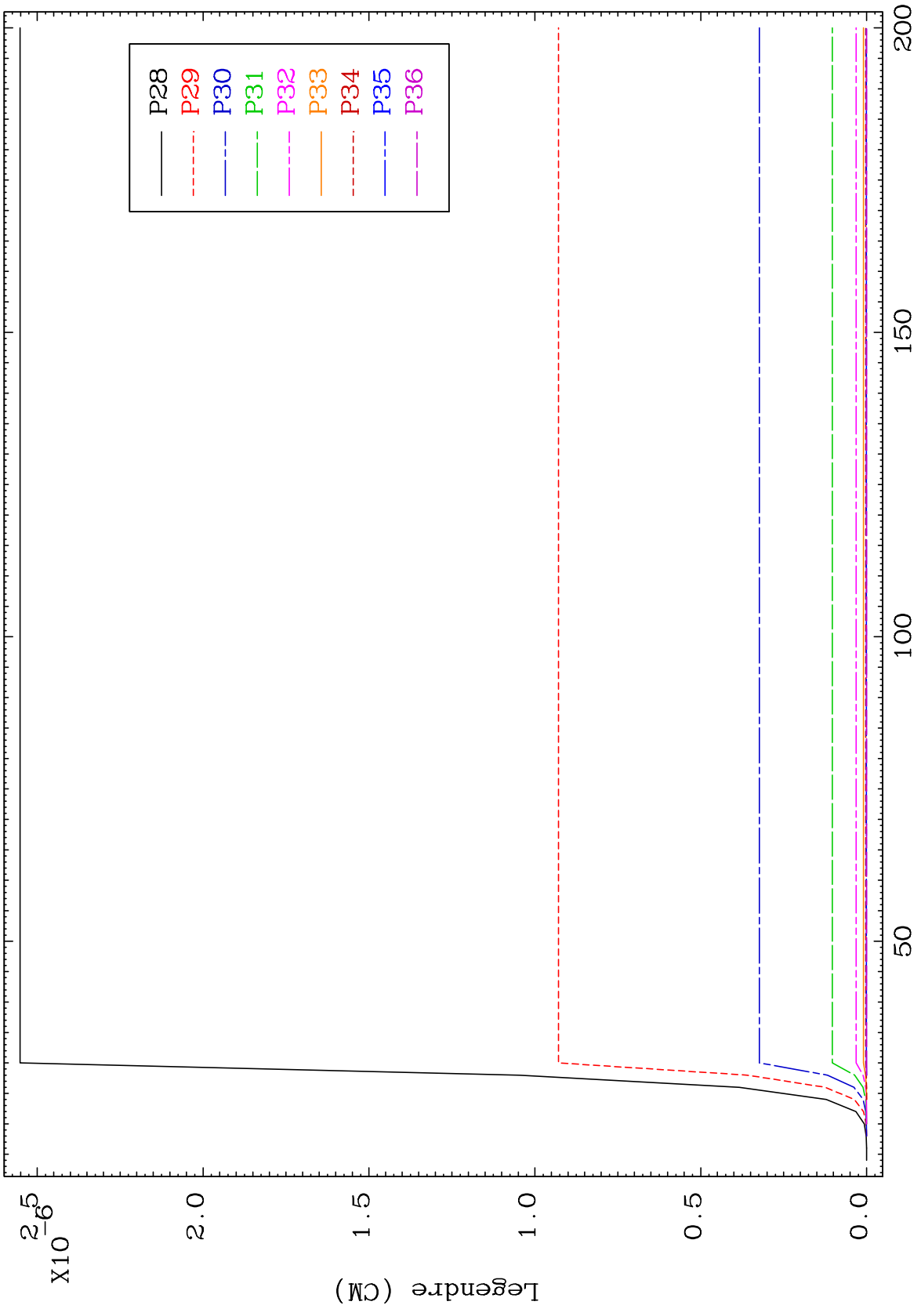
59-Pr-131



85

Incident Energy (MeV)

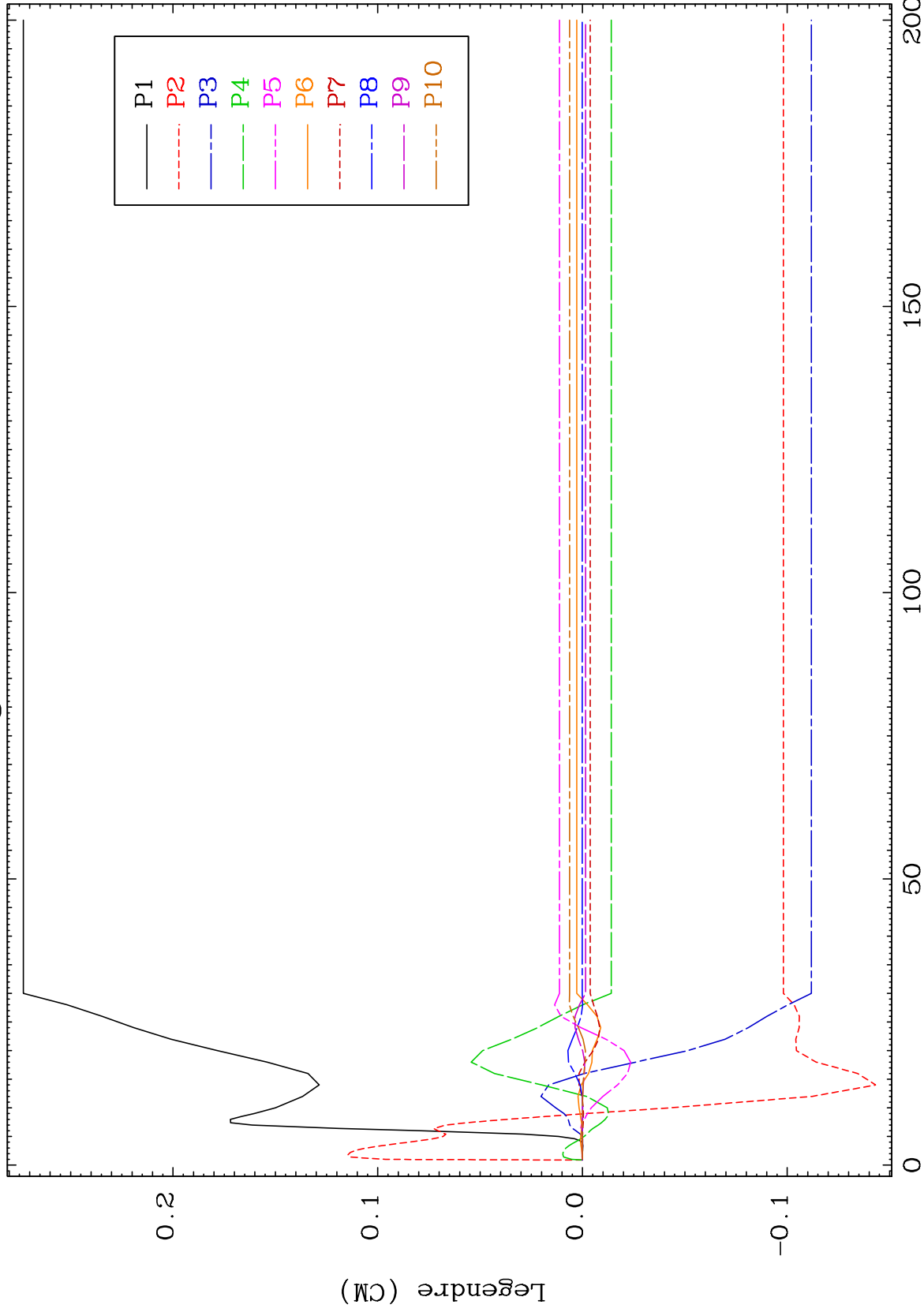
59-Pr-131



MAT 5895

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

59-Pr-131



87

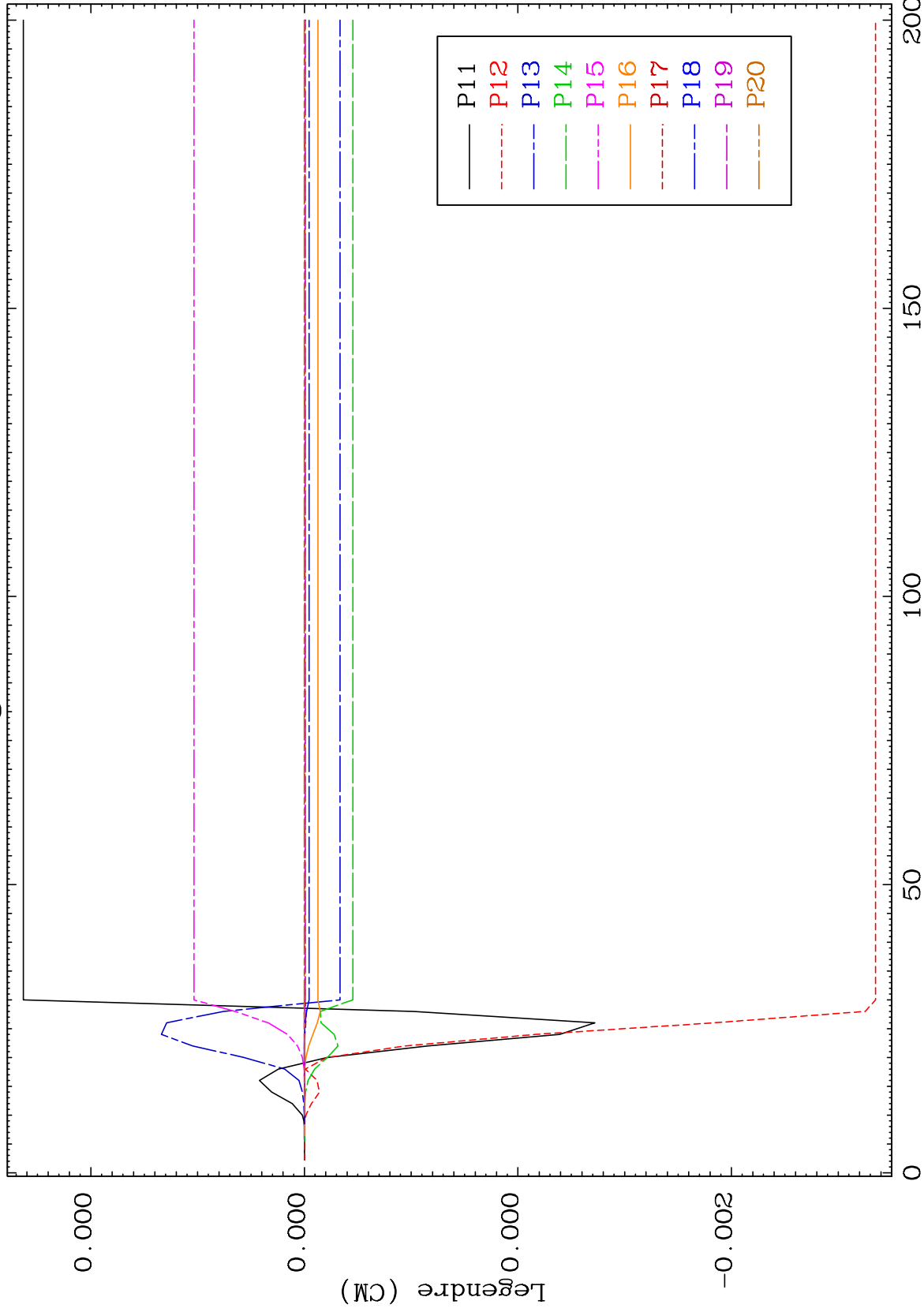
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131



88

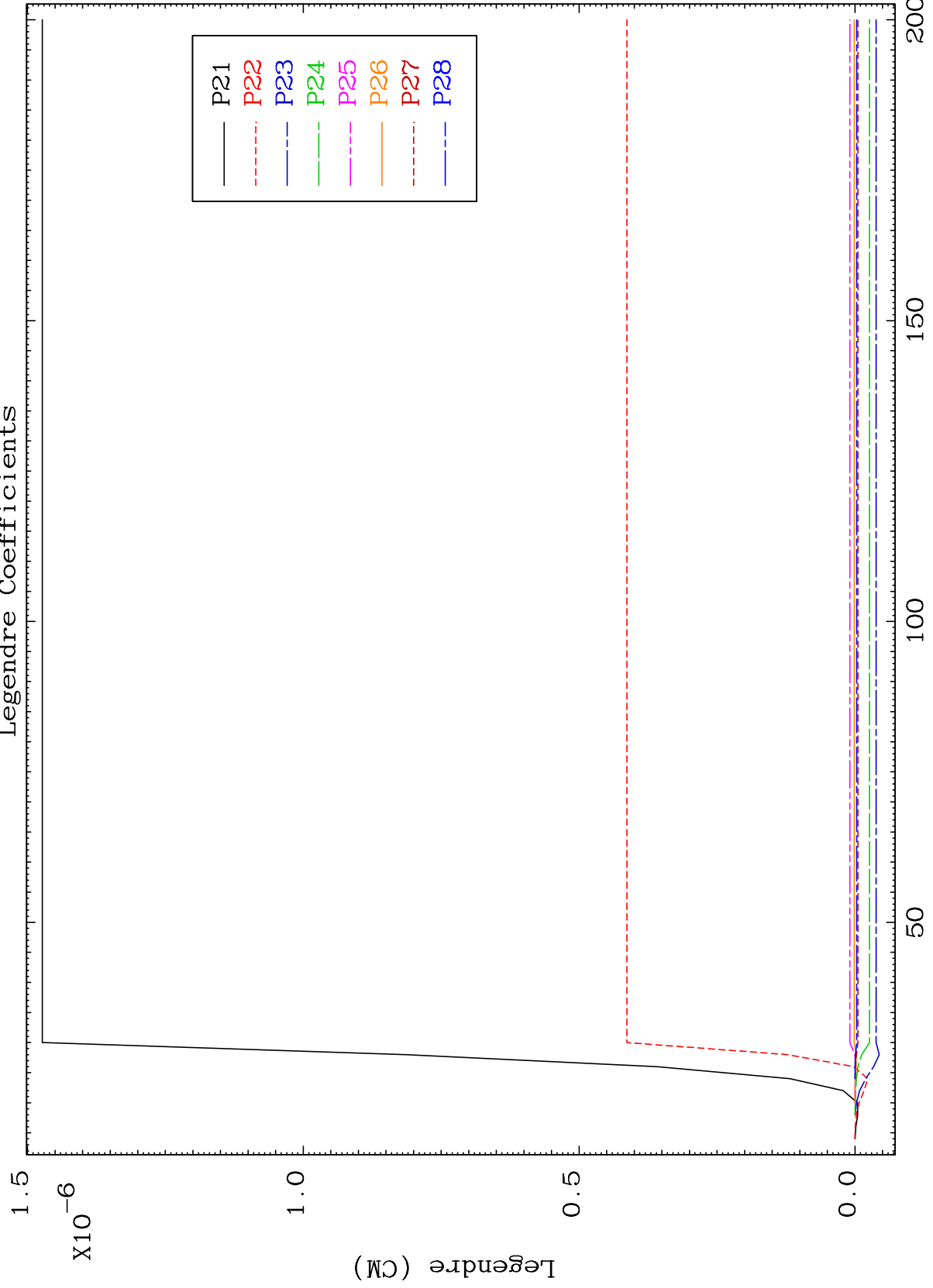
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131



89

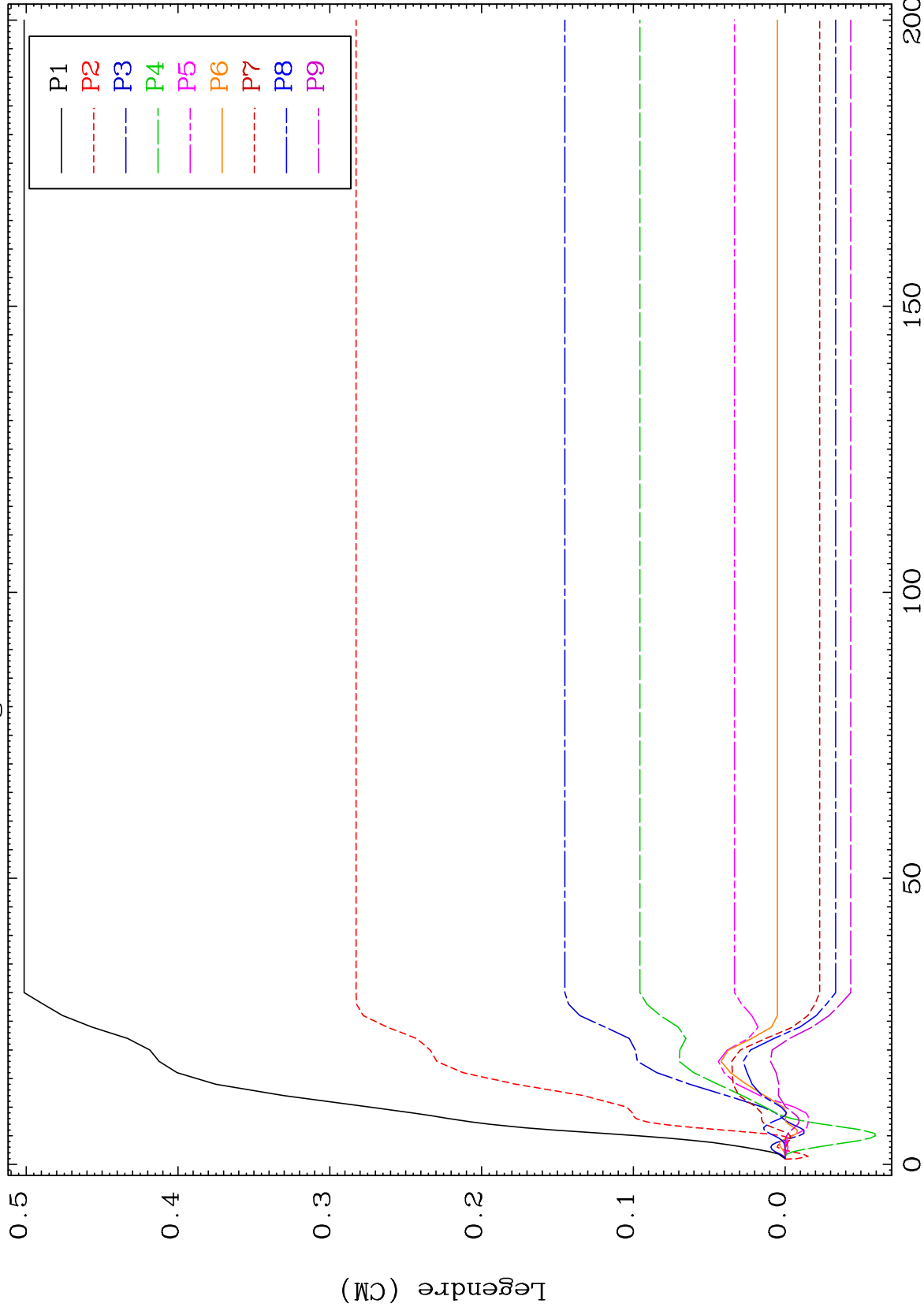
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131



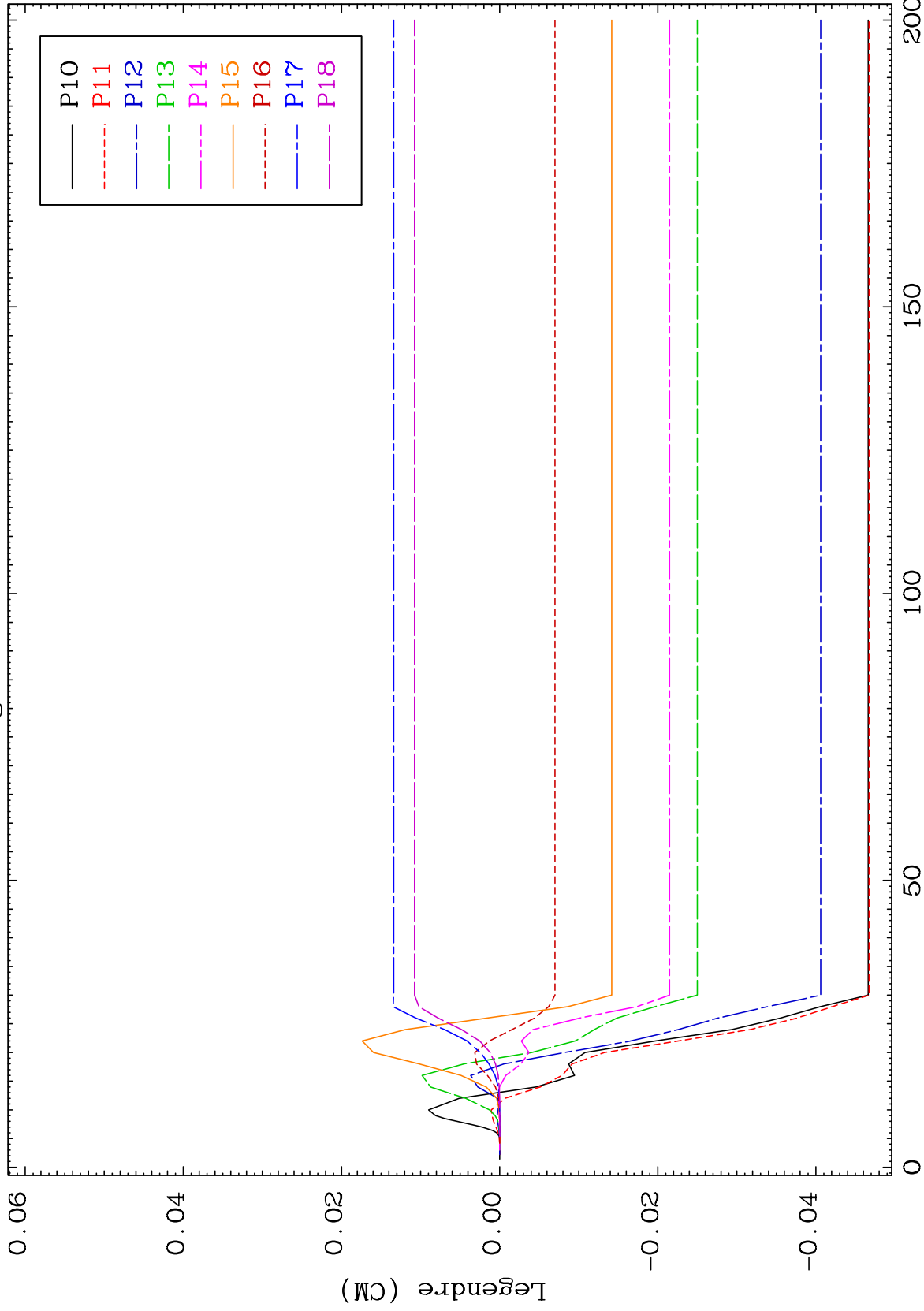
59-Pr-131

Incident Energy (MeV)

MAT 5895

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

59-Pr-131



91

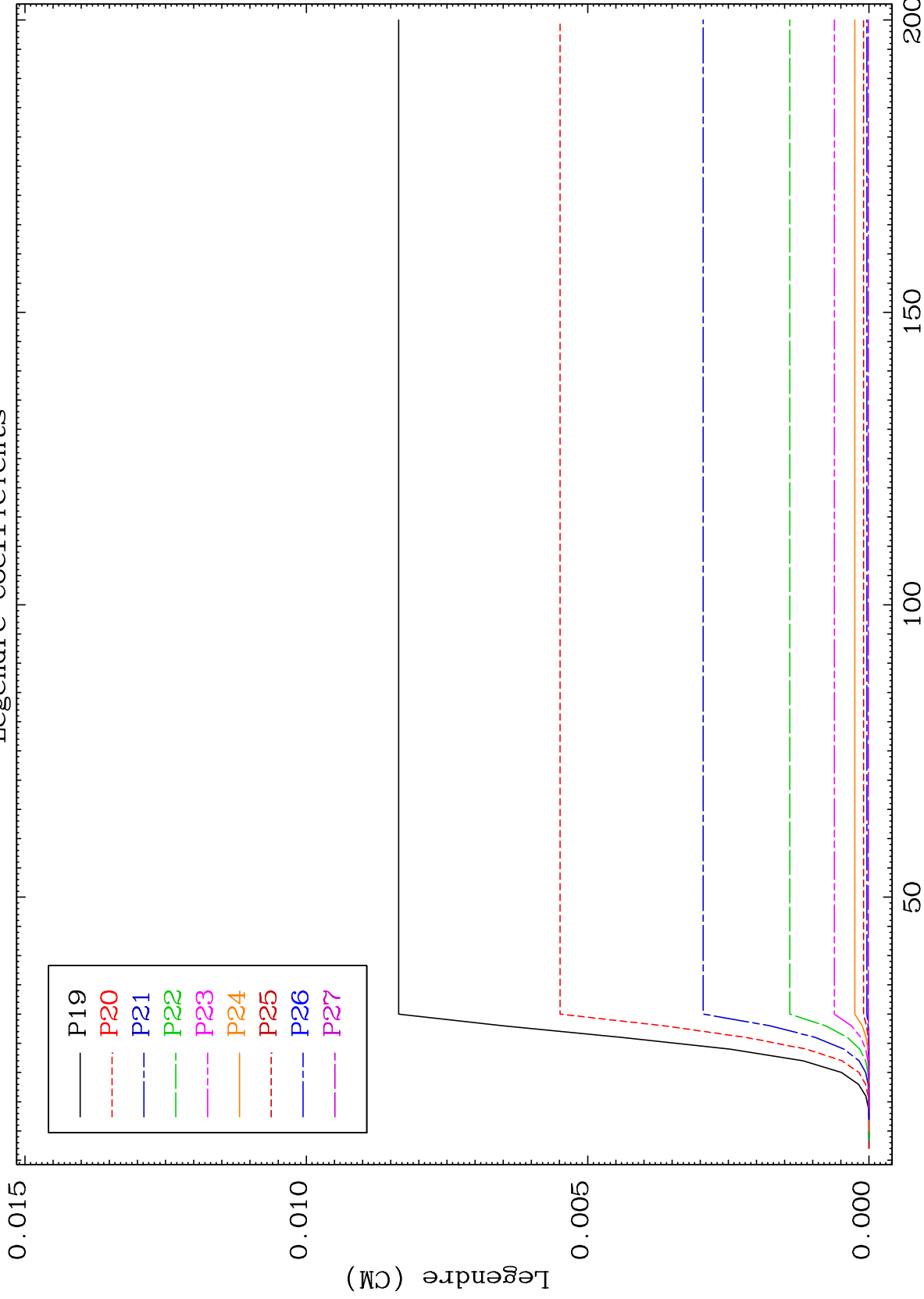
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131



92

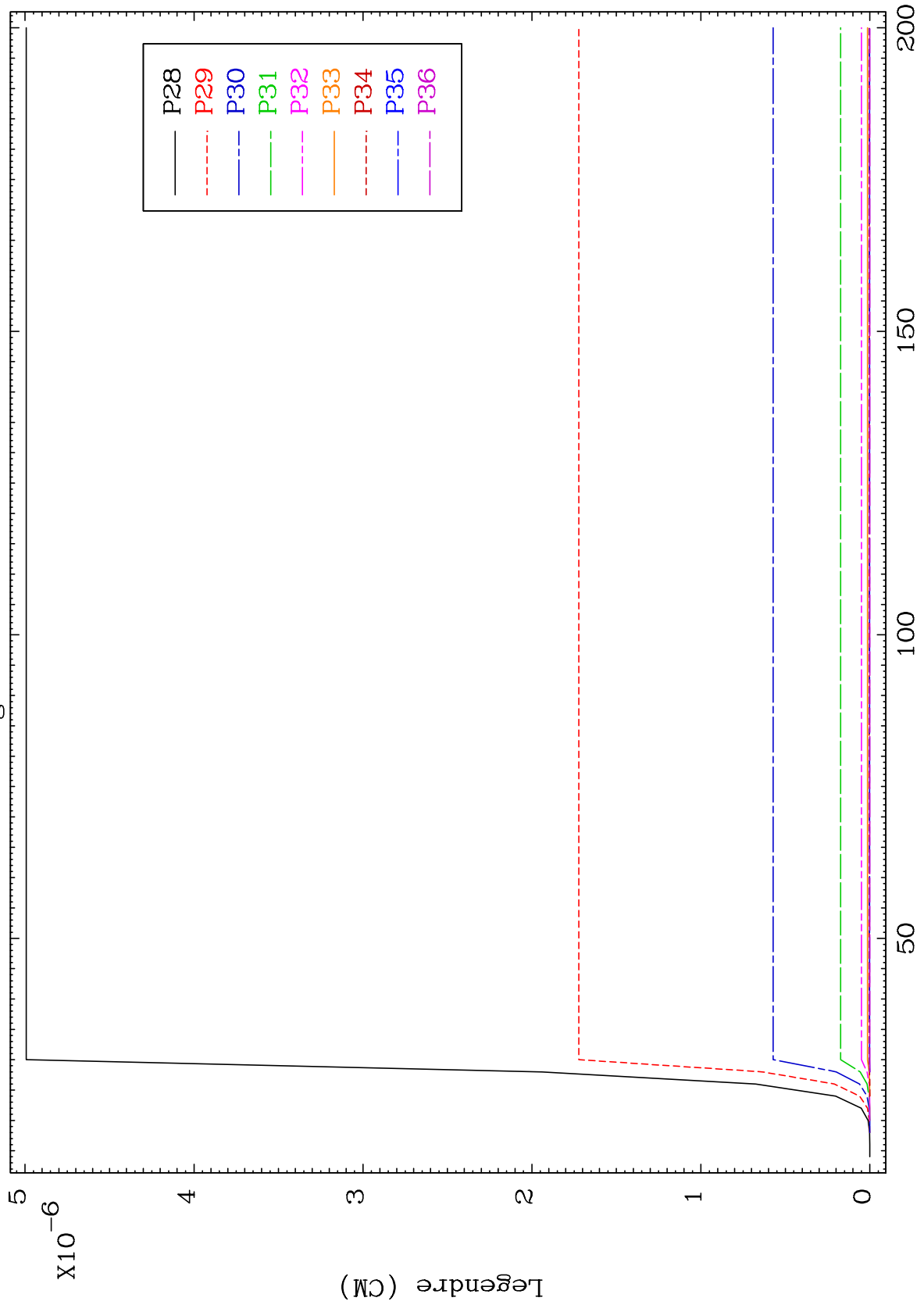
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131



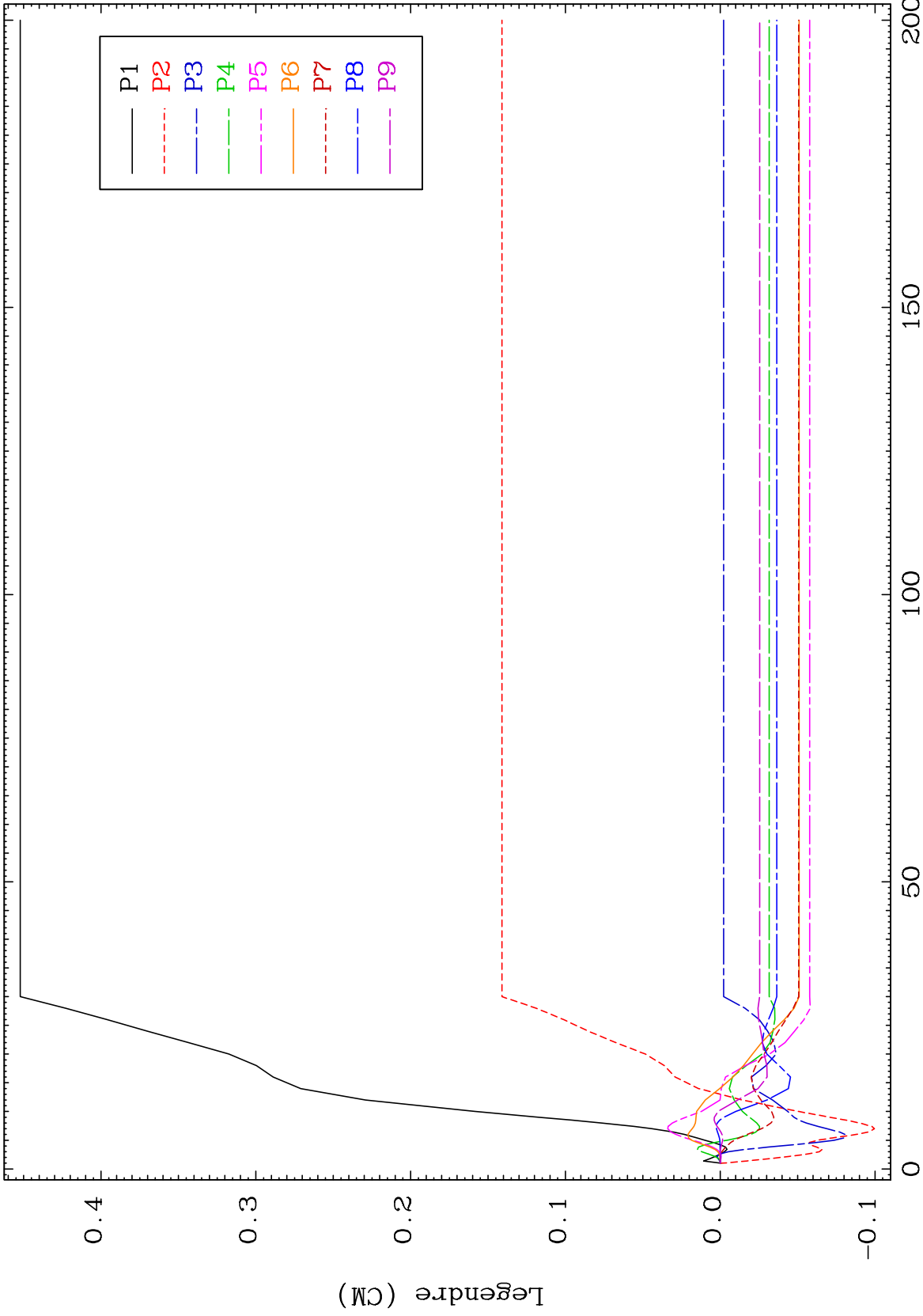
93

59-Pr-131

MAT 5895

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

59-Pr-131



94

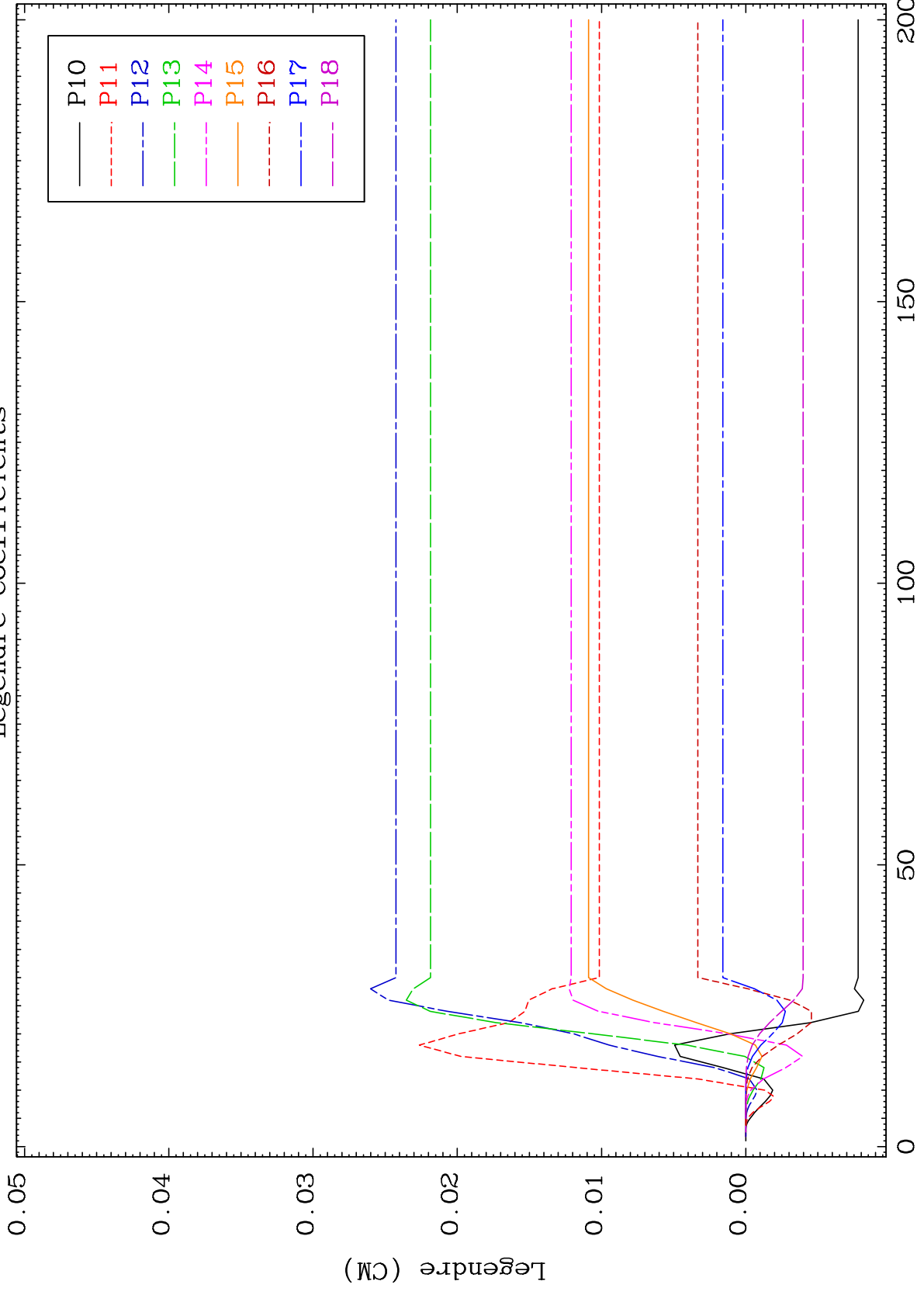
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131



95

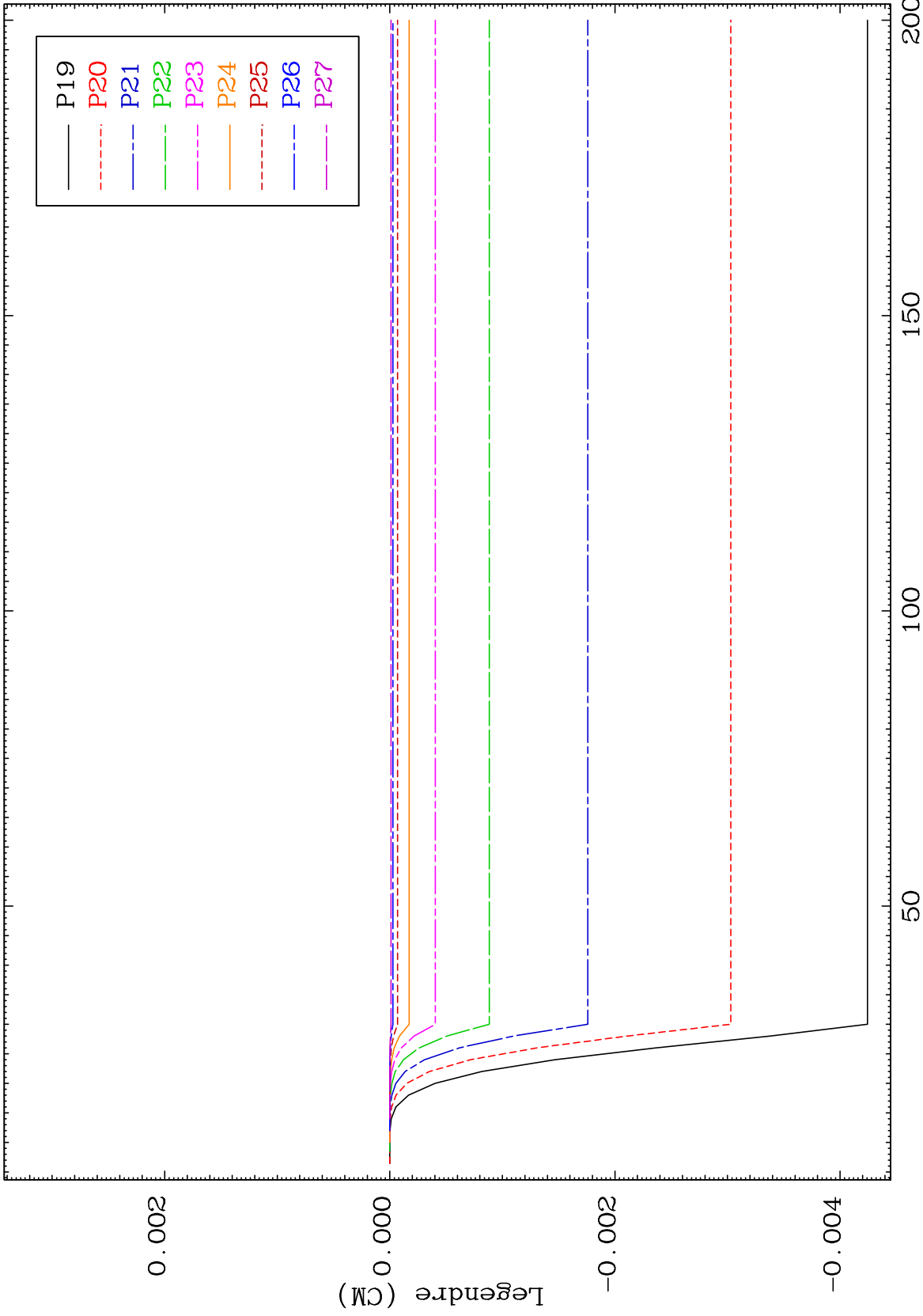
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131



96

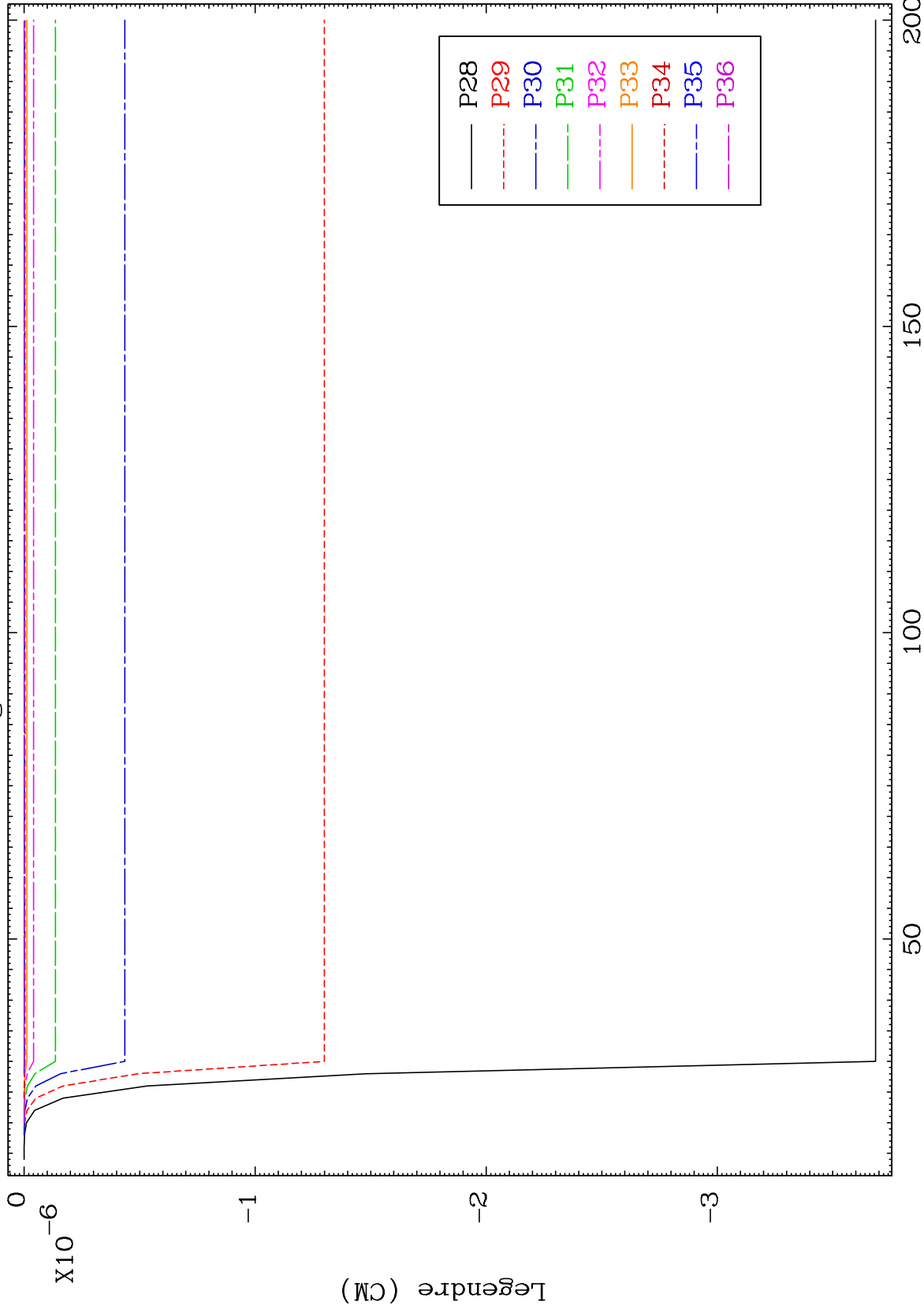
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131



59-Pr-131

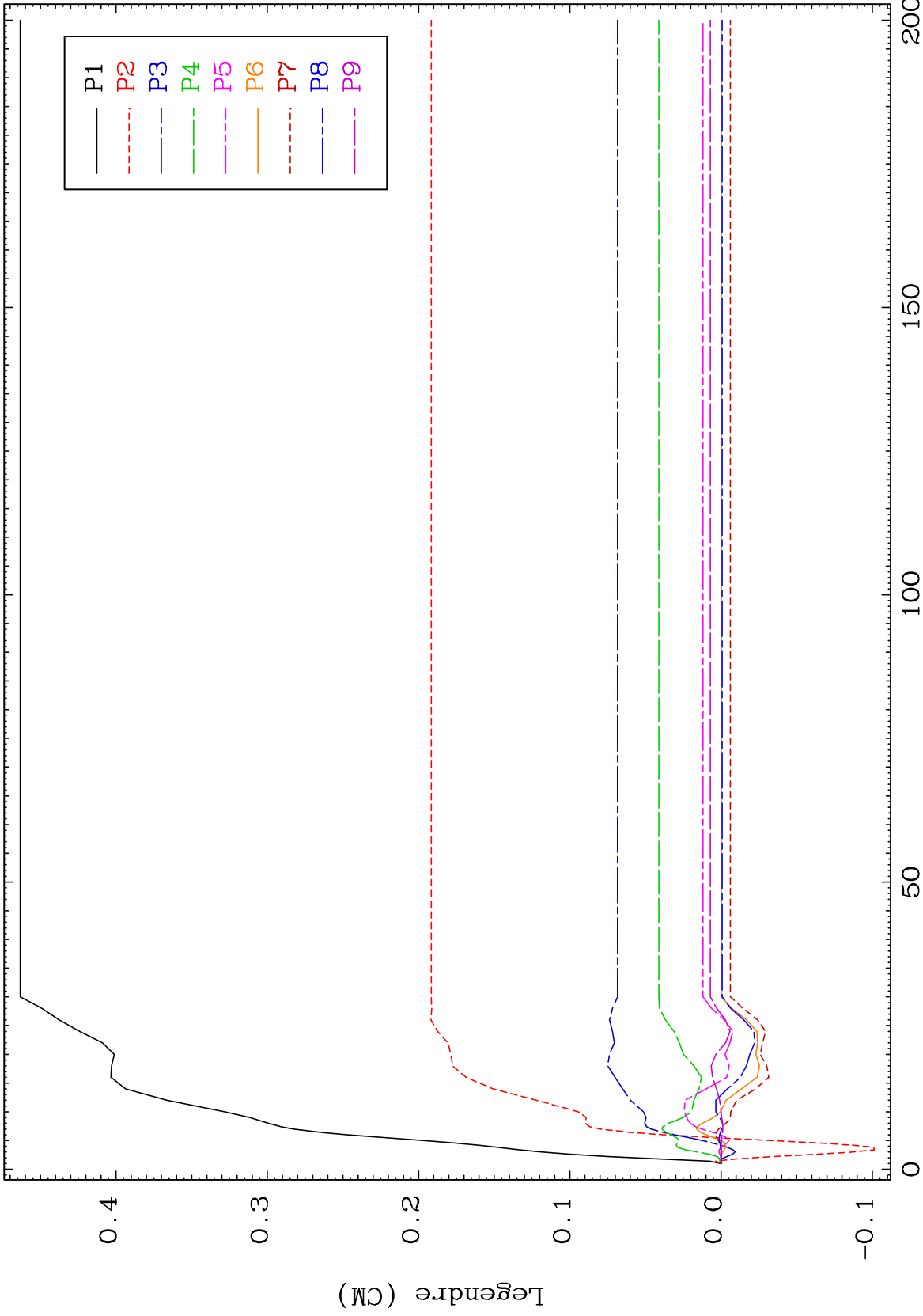
Incident Energy (MeV)

97

MAT 5895

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

59-Pr-131



98

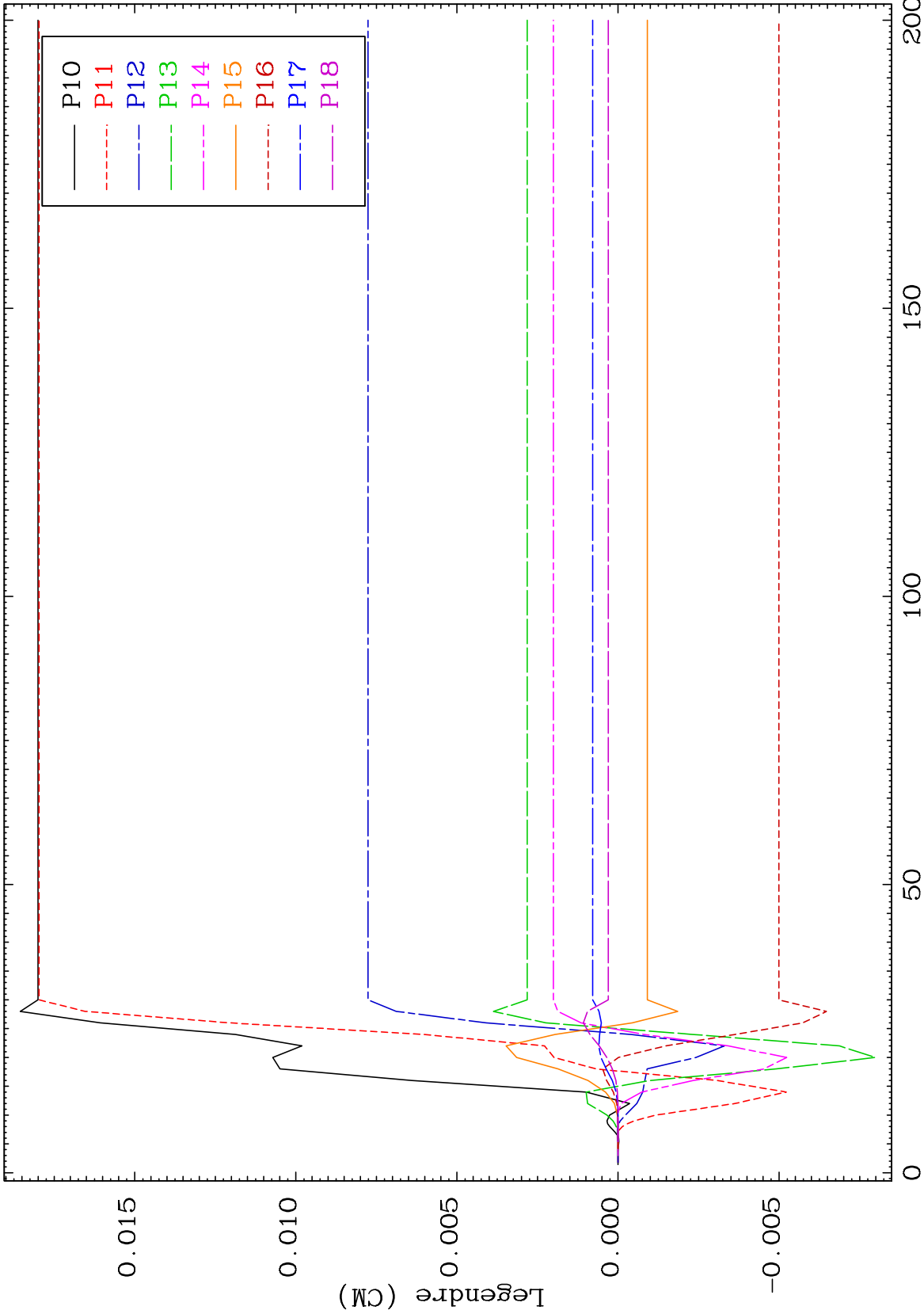
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131



99

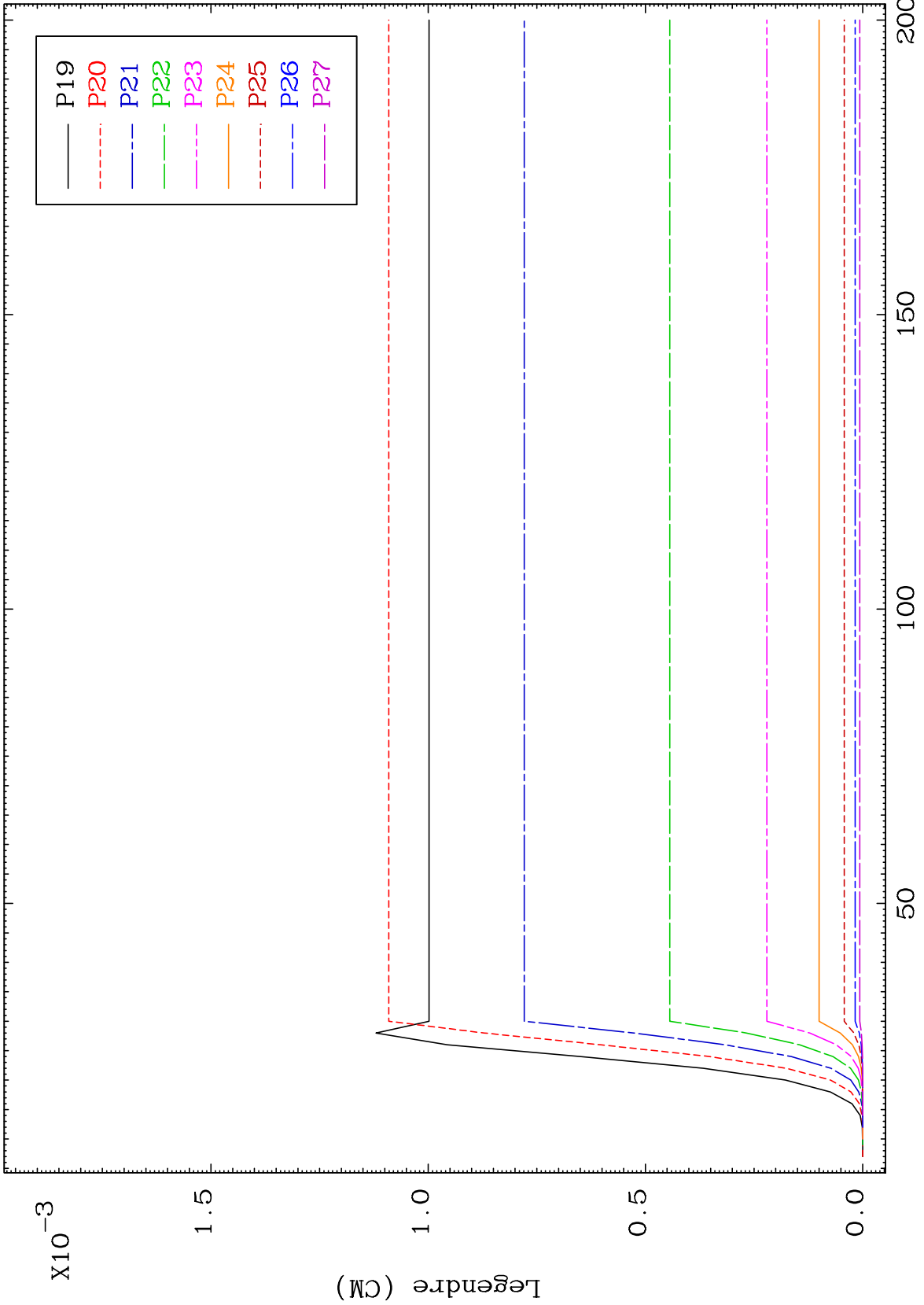
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131



59-Pr-131

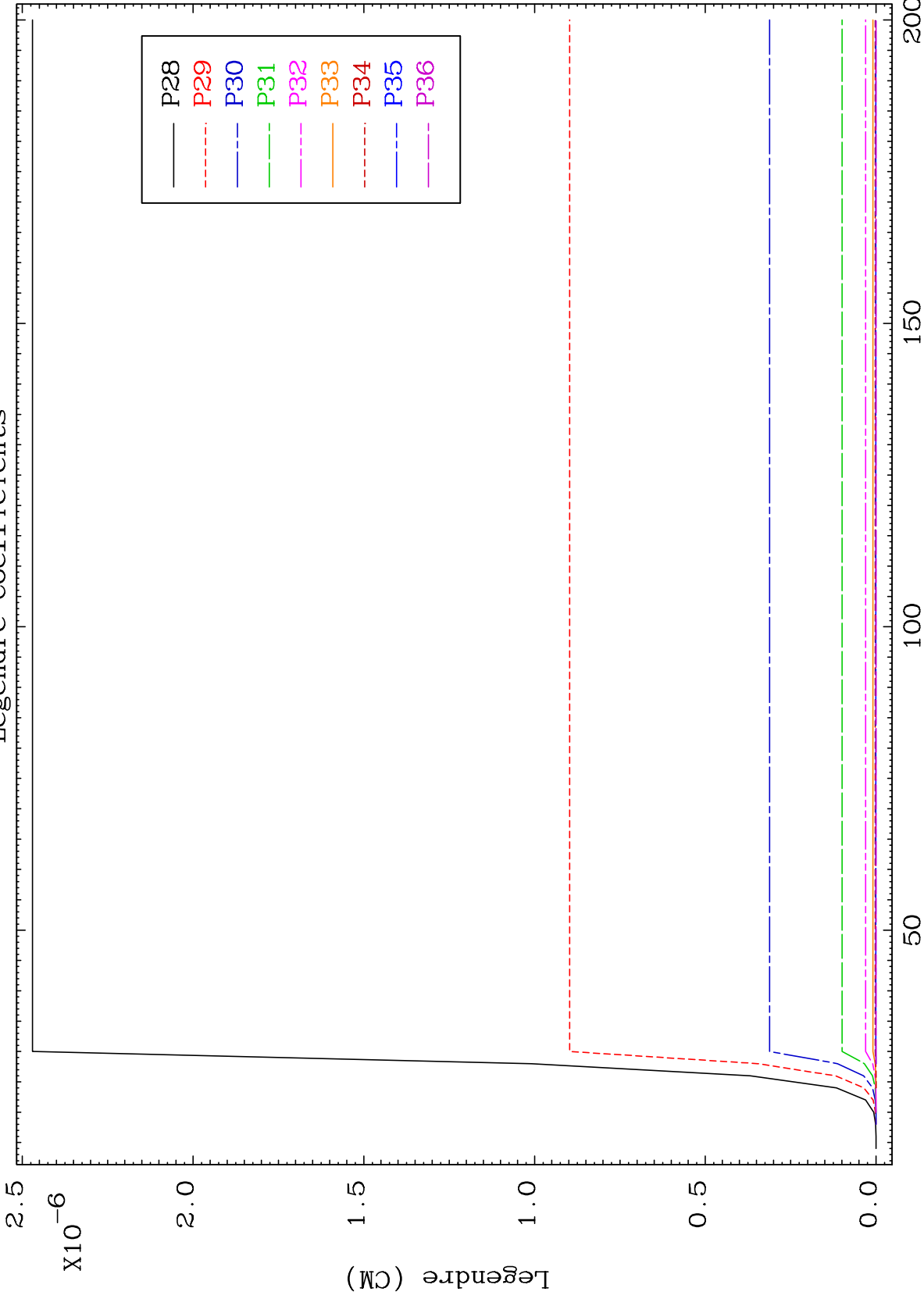
Incident Energy (MeV)

Legendre (CM) X10⁻³

MAT 5895

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

59-Pr-131



101

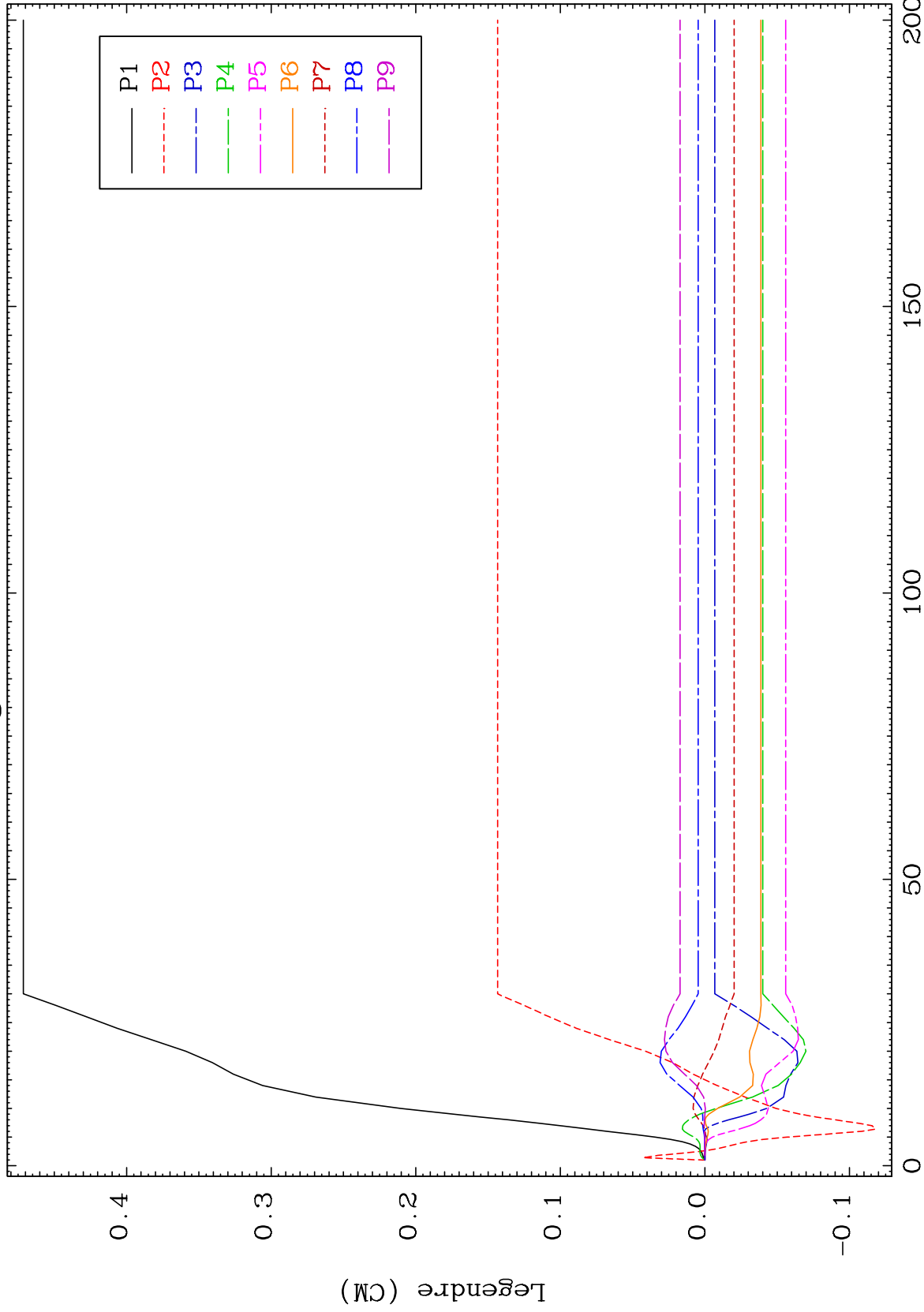
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131



102

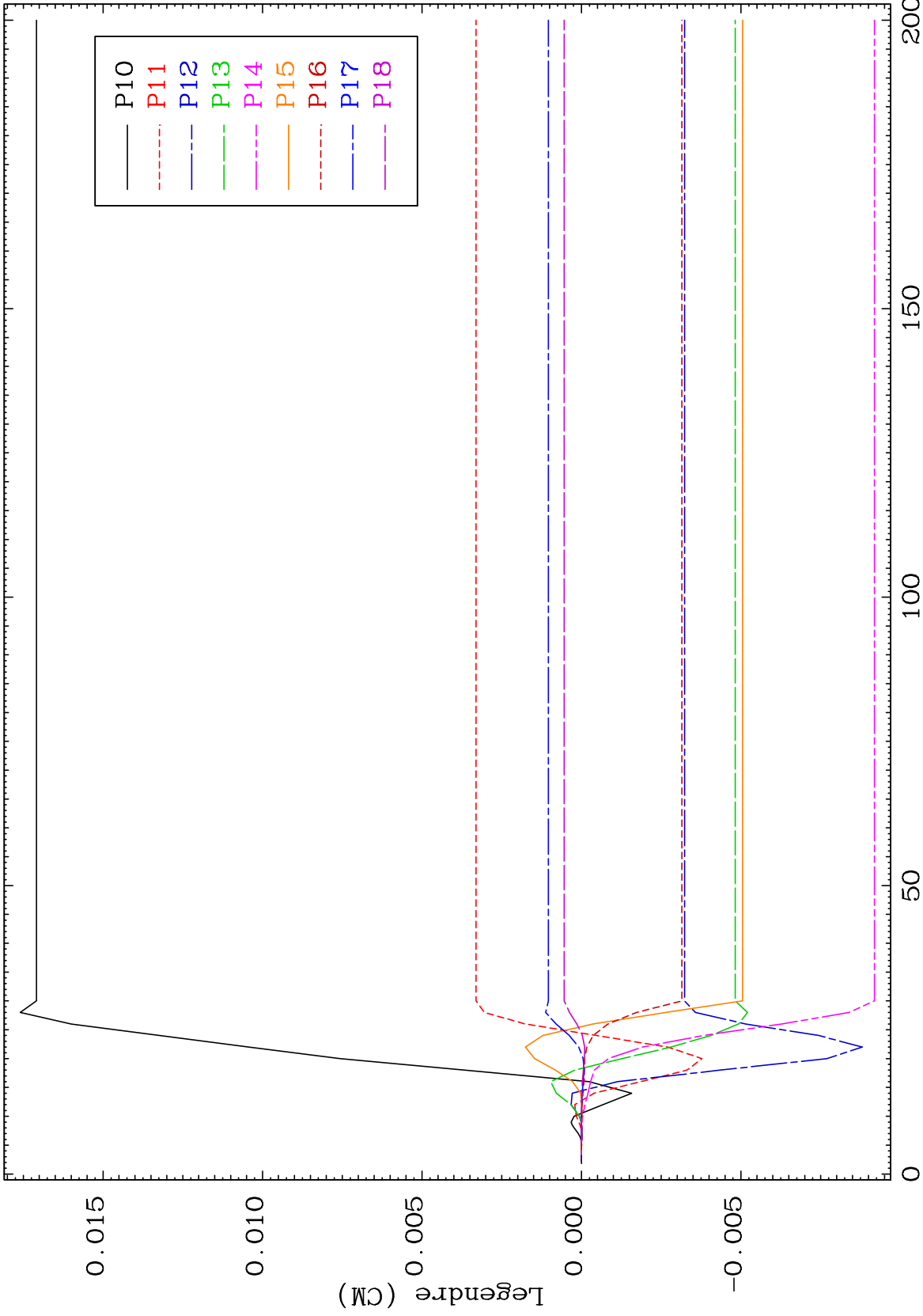
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

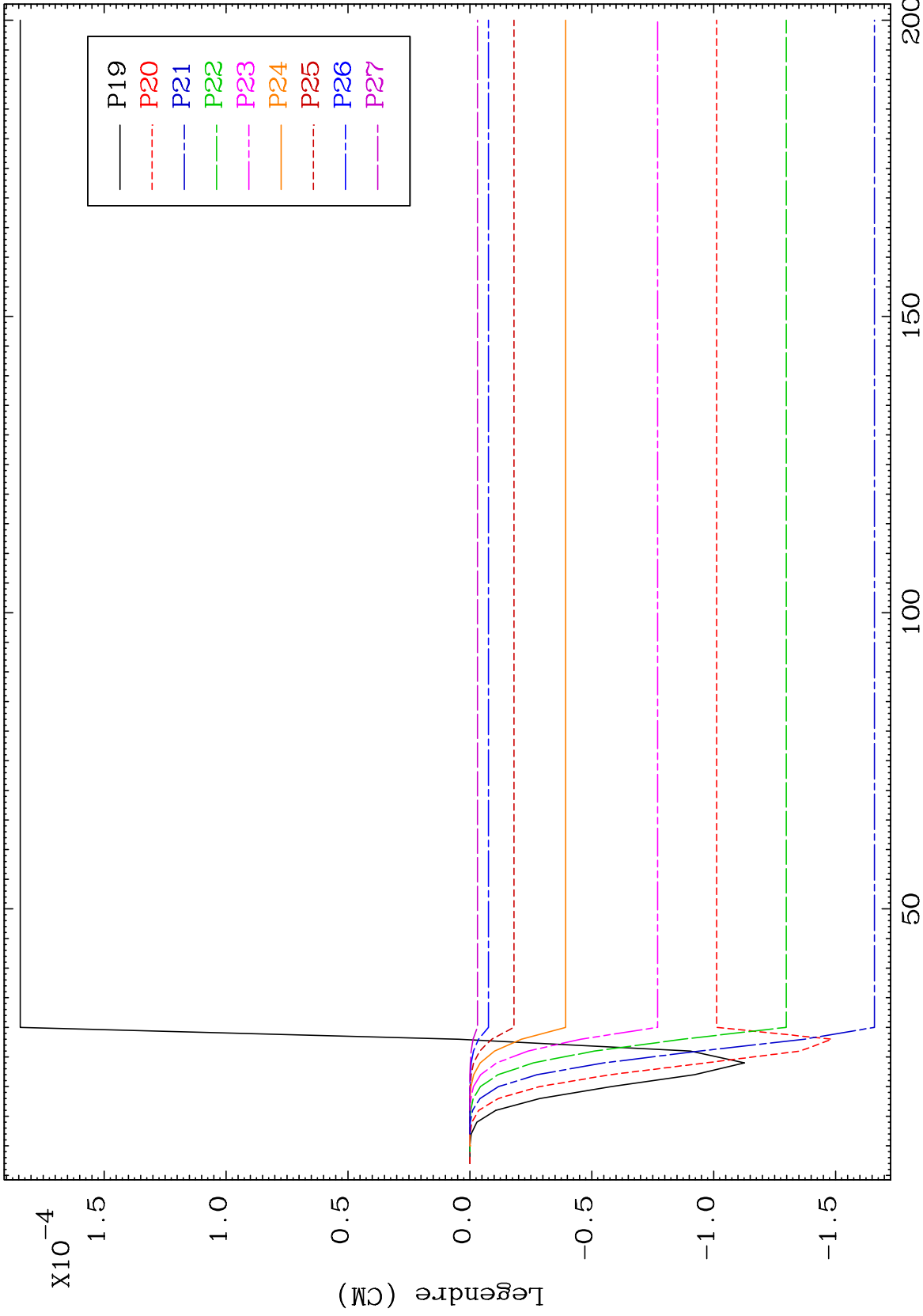
59-Pr-131



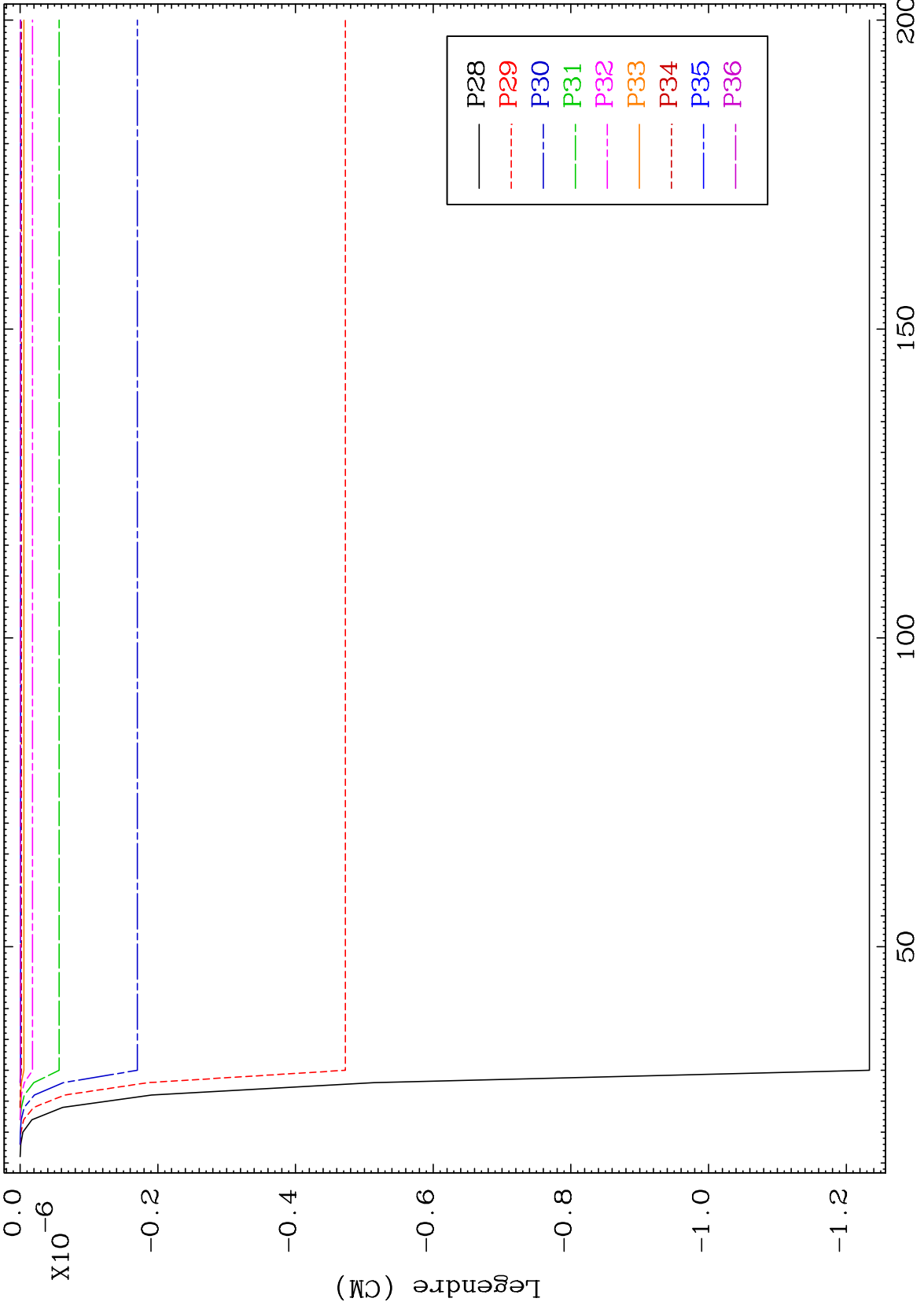
103

Incident Energy (MeV)

59-Pr-131



MAT 5895 MT= 73 (n,n') Level Legendre Coefficients 59-Pr-131

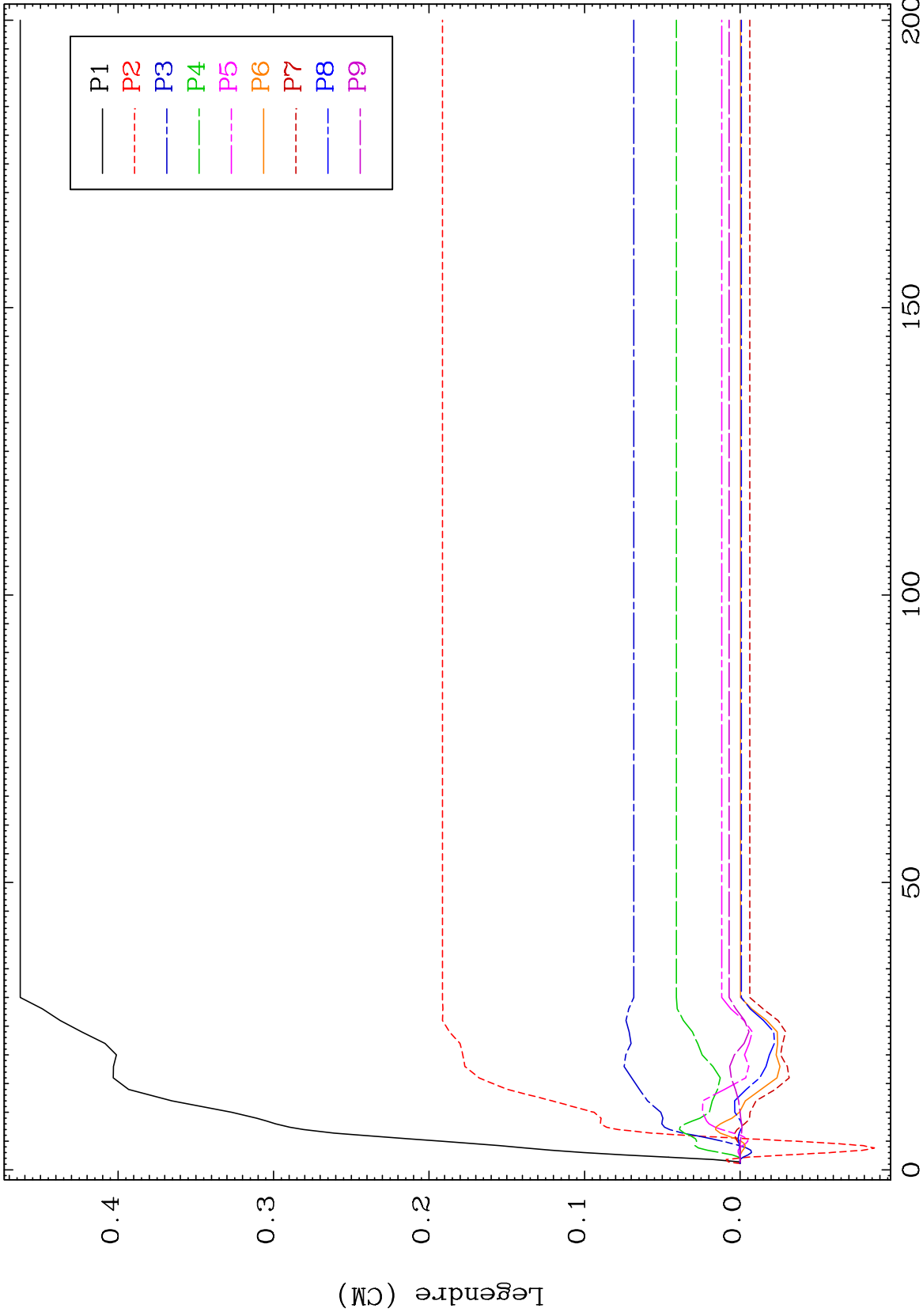


105 Incident Energy (MeV) 59-Pr-131

MAT 5895

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

59-Pr-131



106

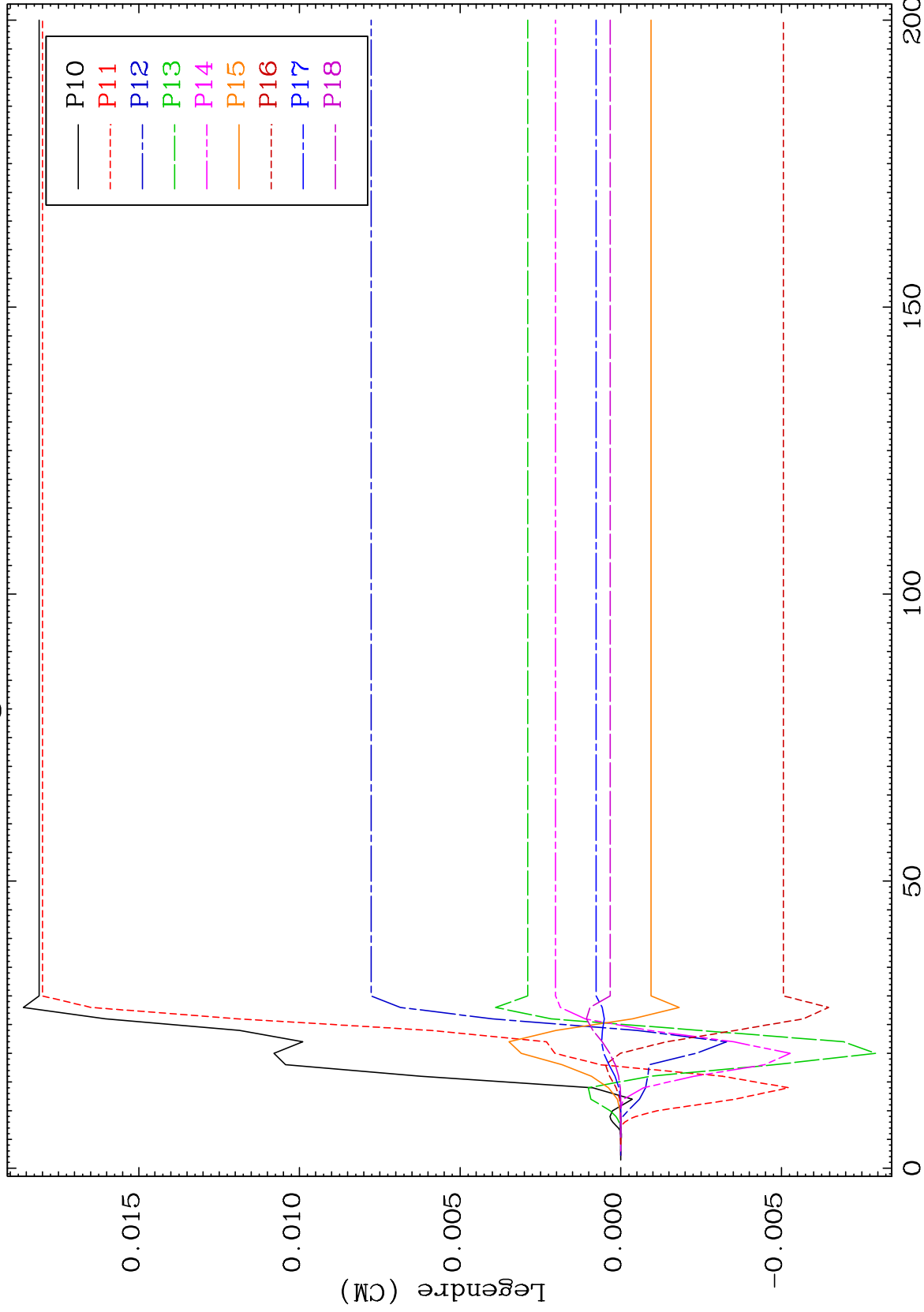
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131



107

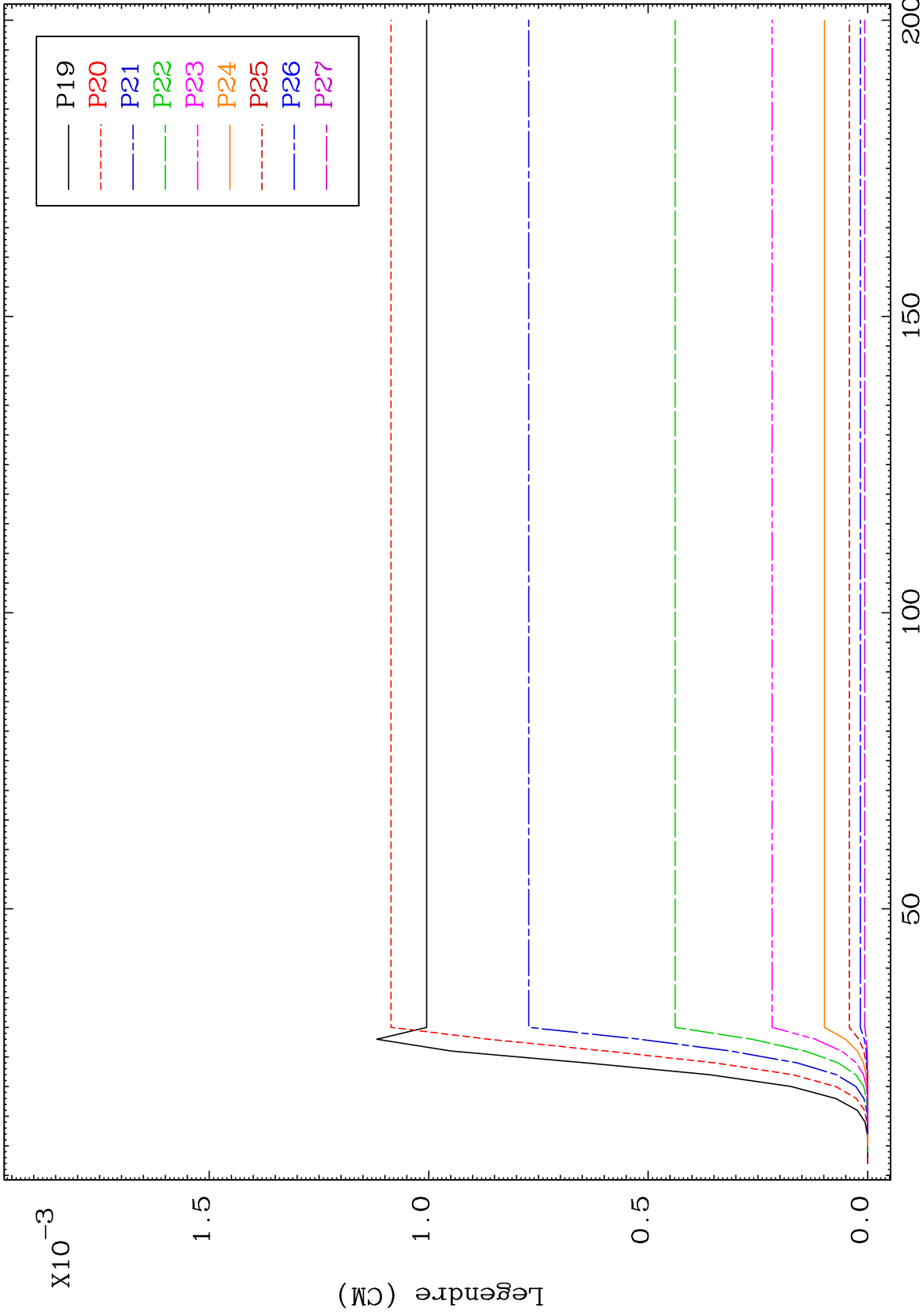
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131



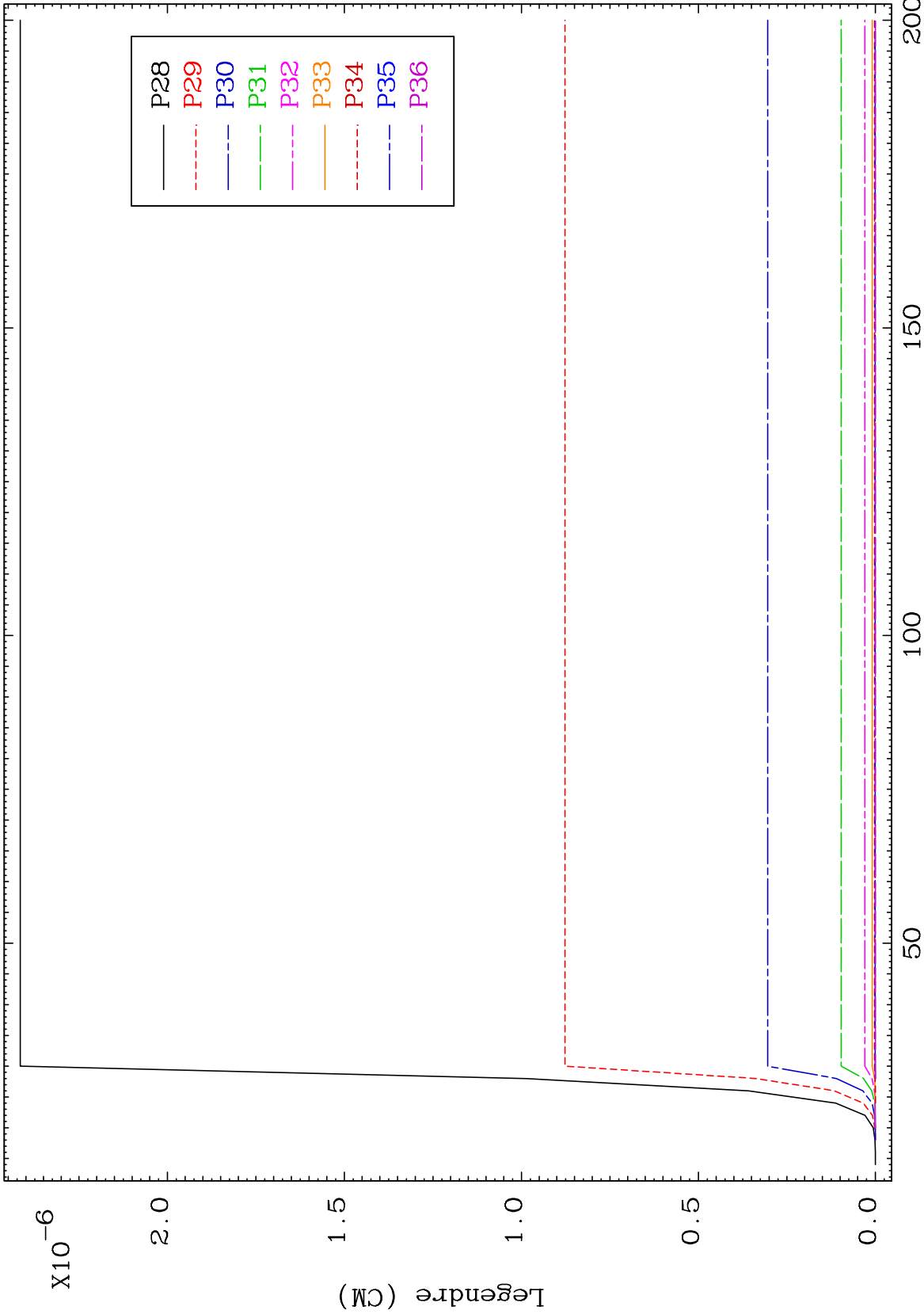
108

59-Pr-131

MAT 5895

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

59-Pr-131



109

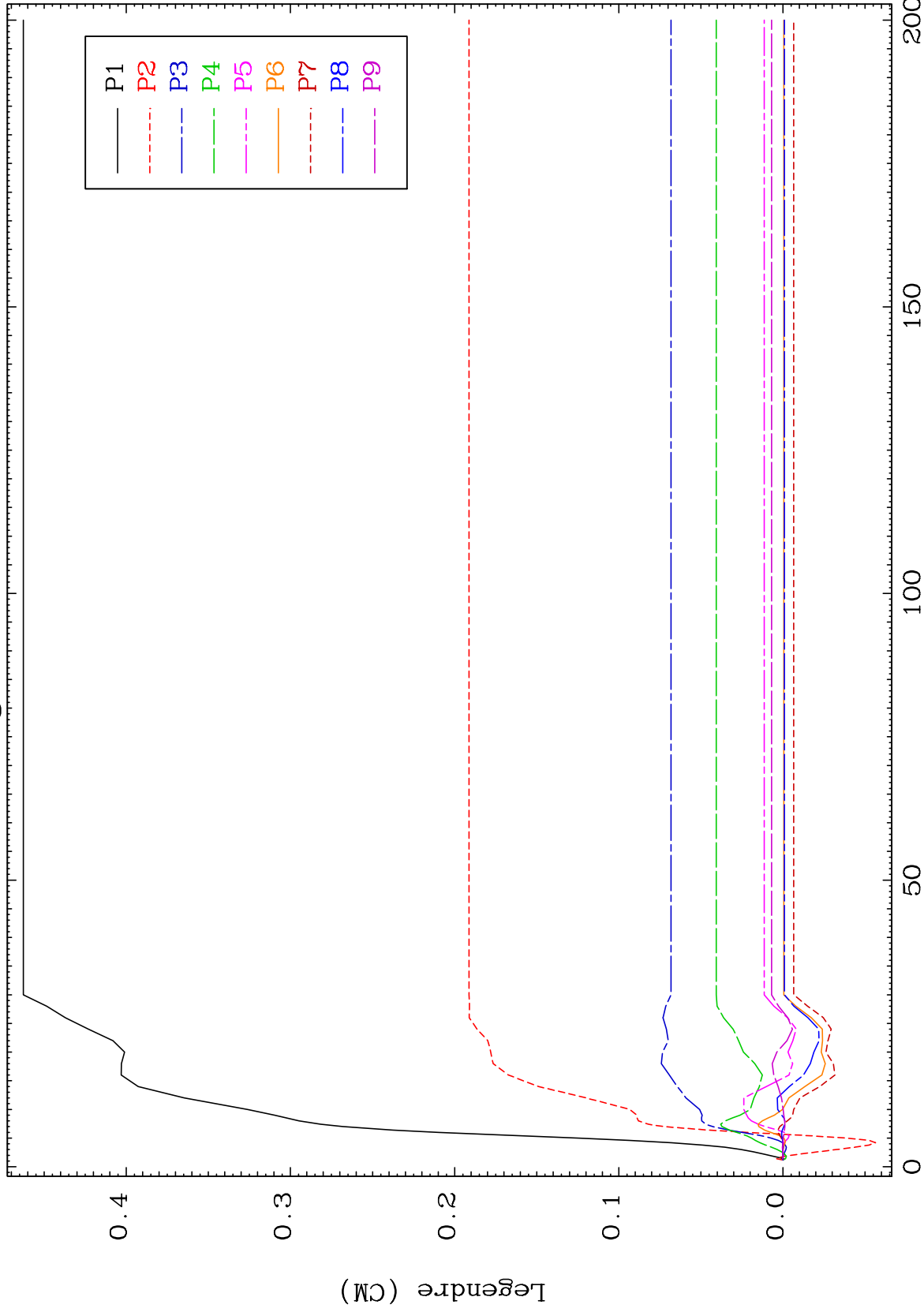
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131



59-Pr-131

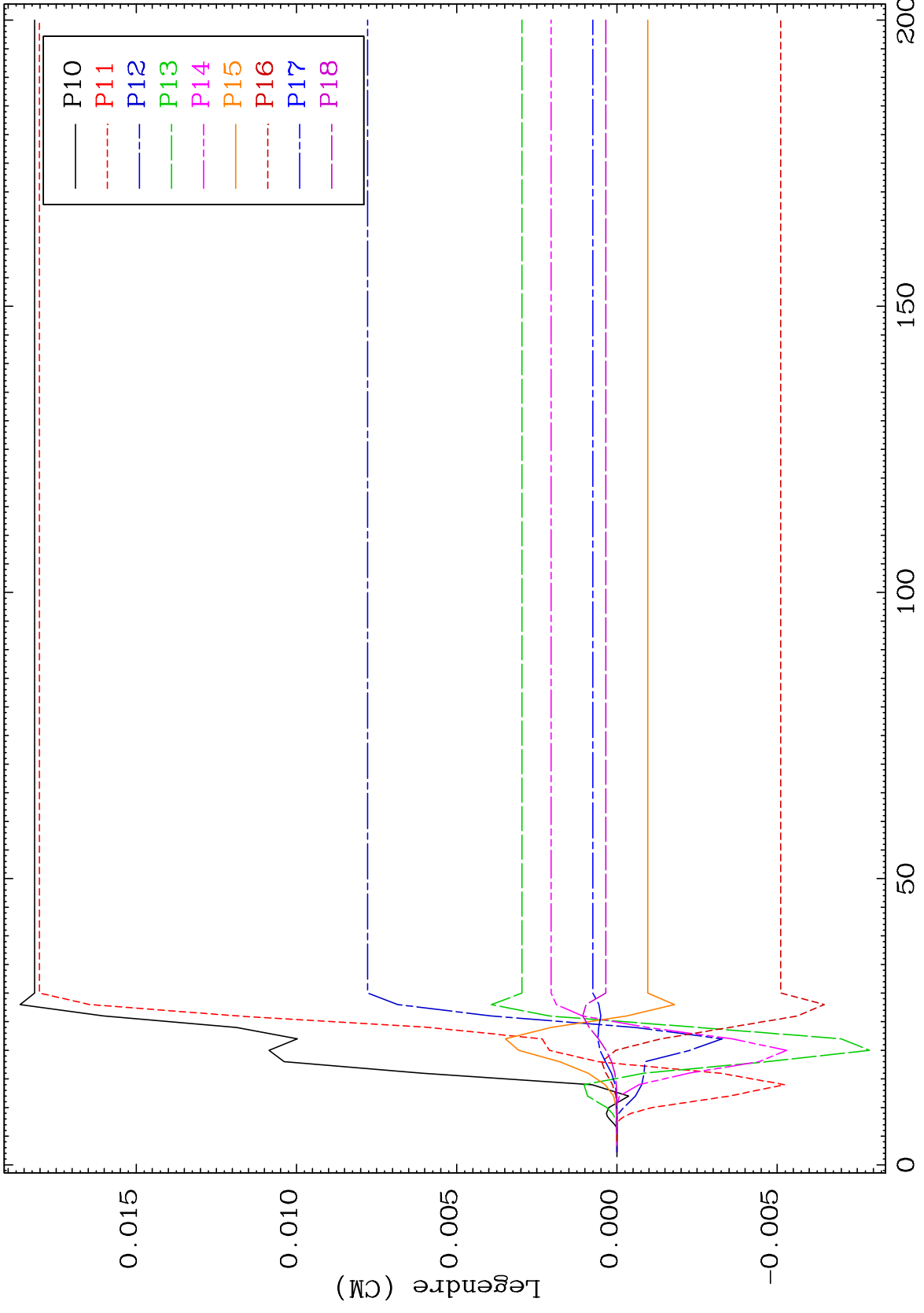
Incident Energy (MeV)

110

MAT 5895

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

59-Pr-131



111

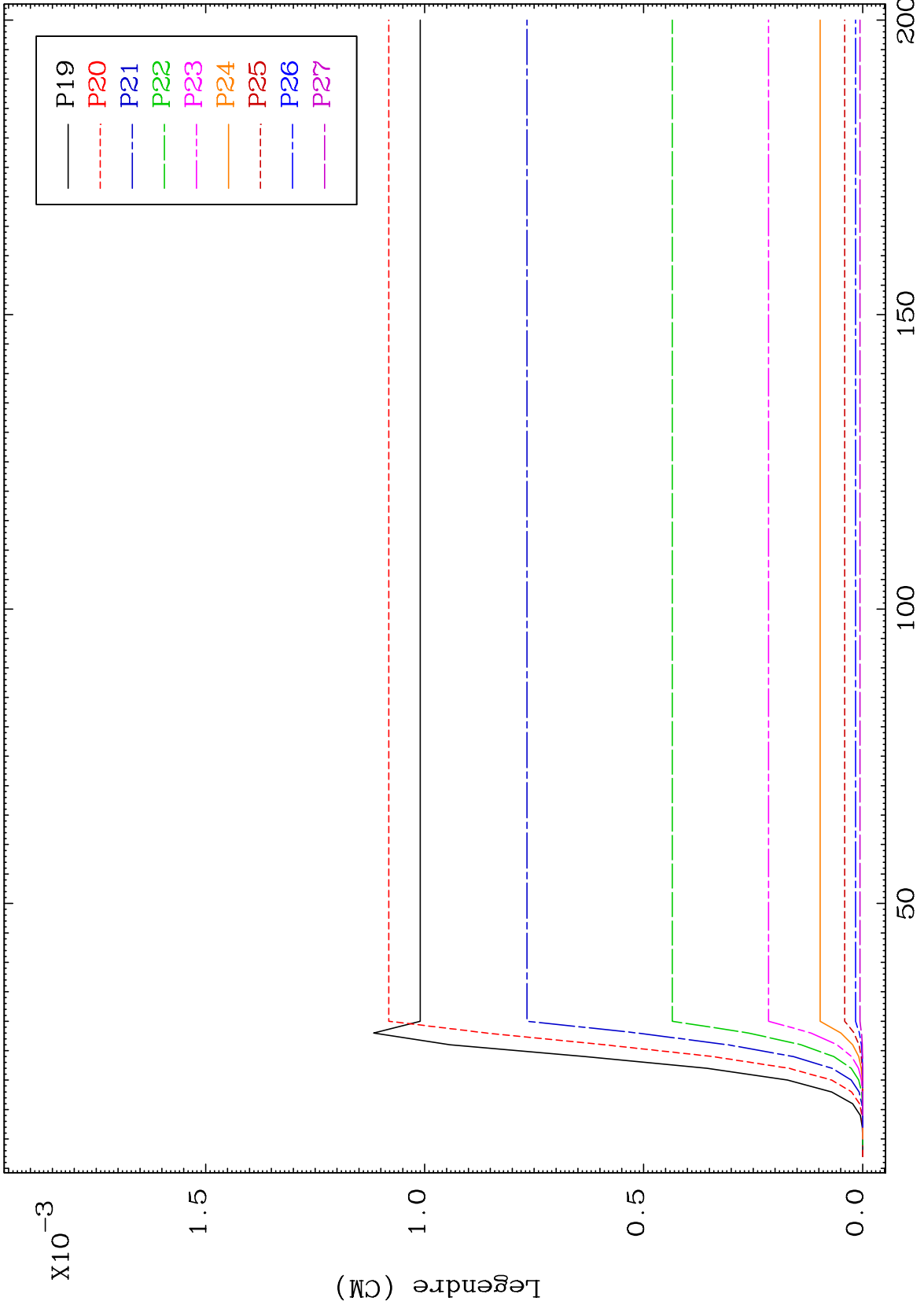
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131



112

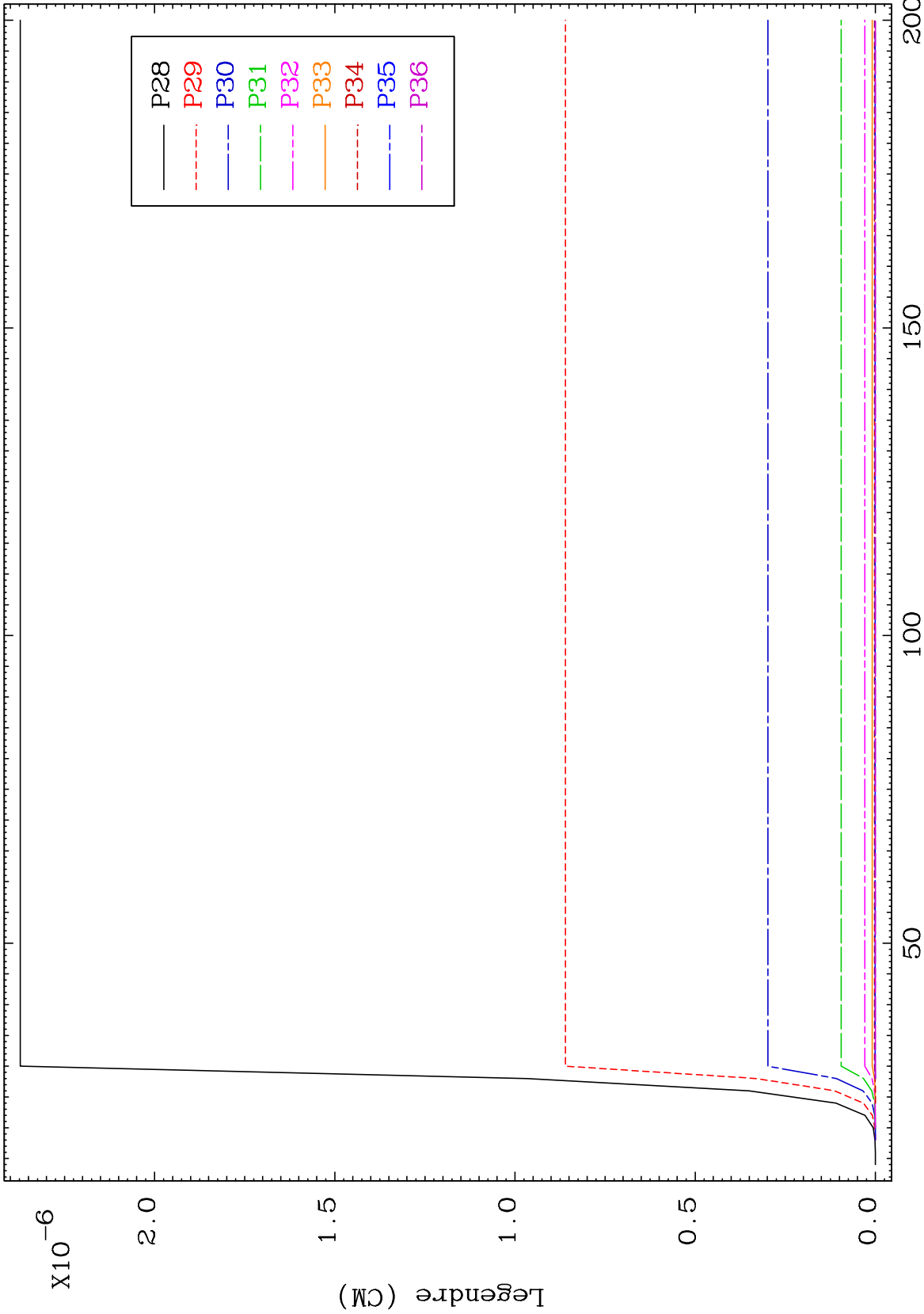
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131



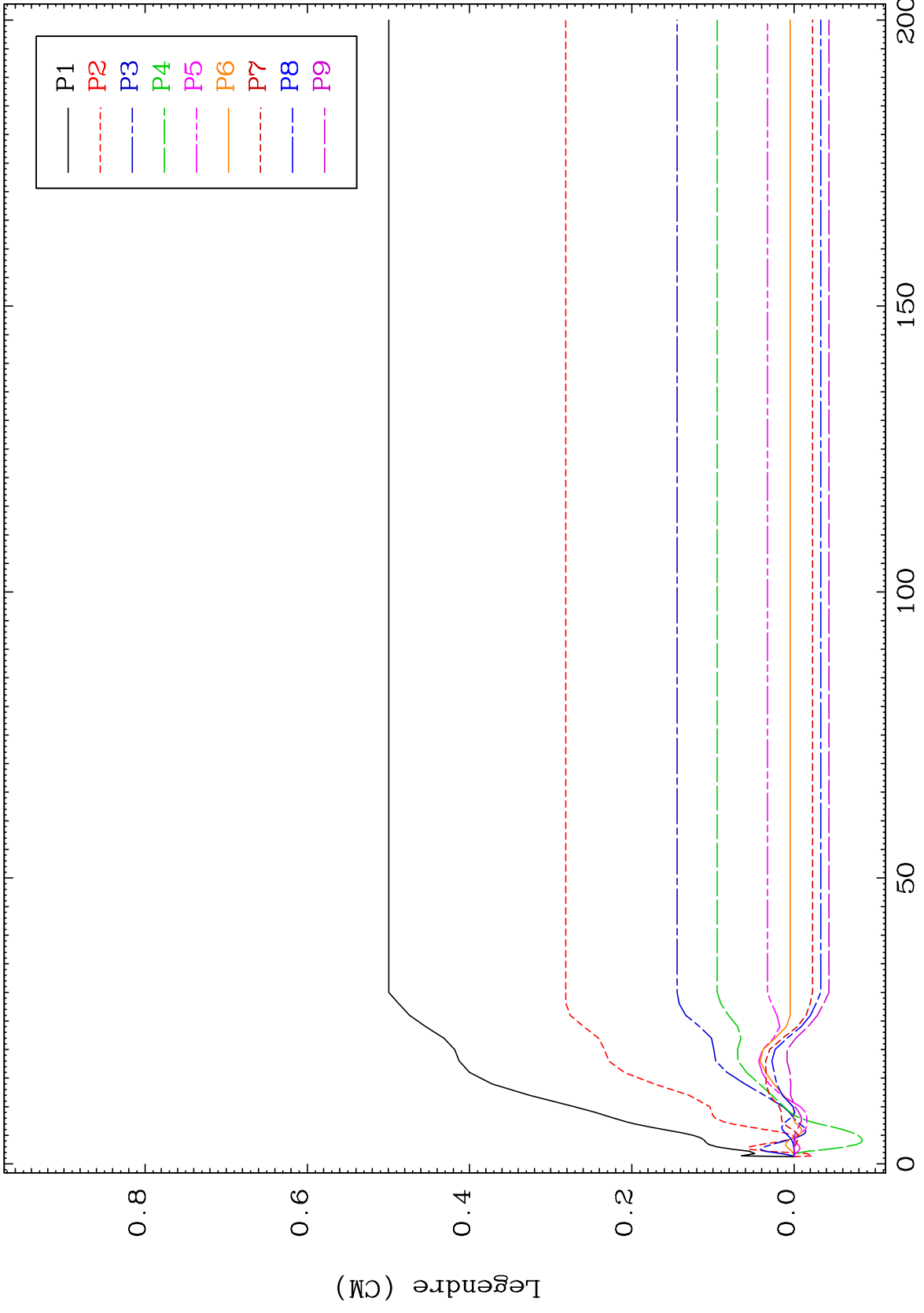
113

59-Pr-131

MAT 5895

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

59-Pr-131



114

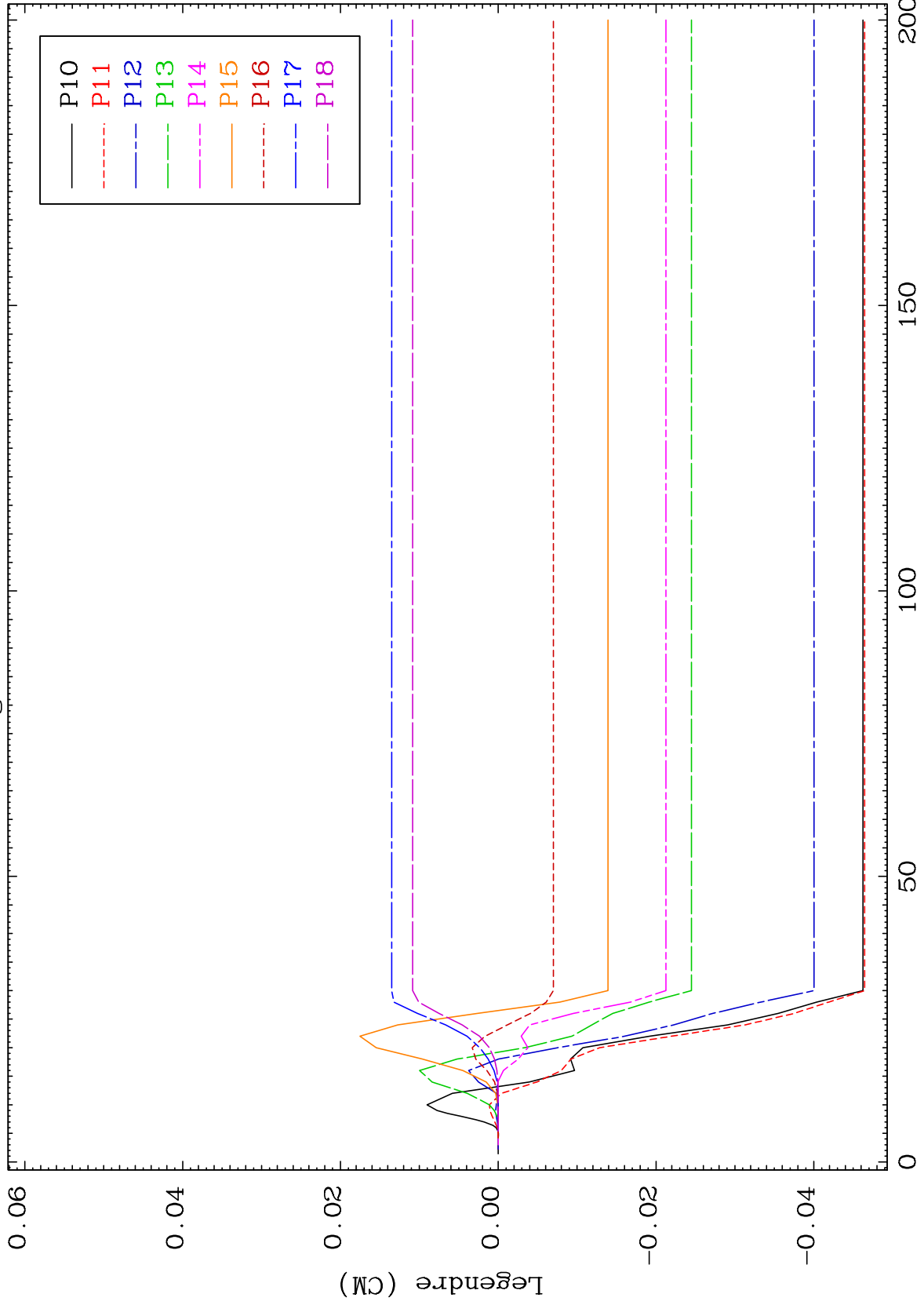
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131



115

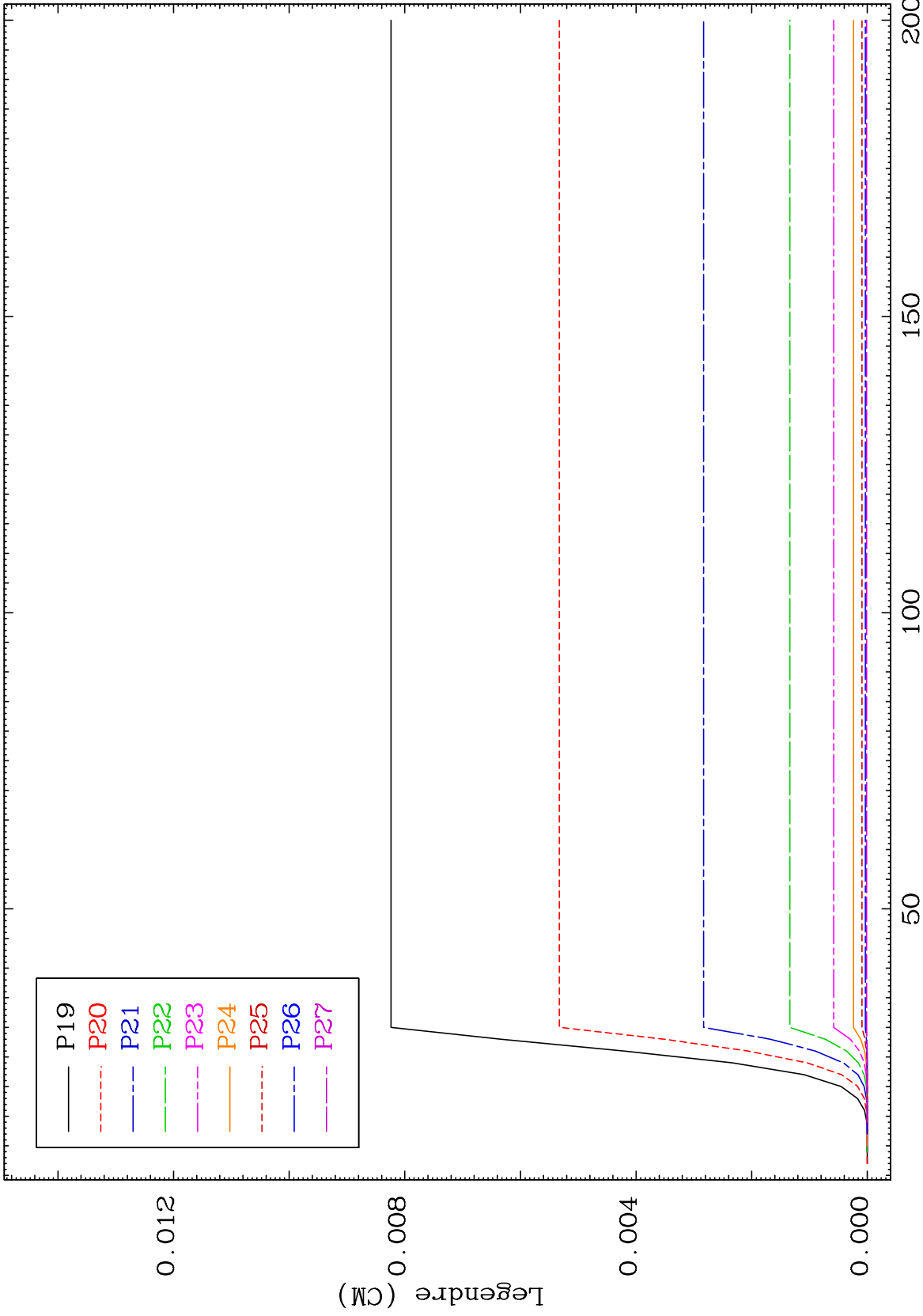
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131



116

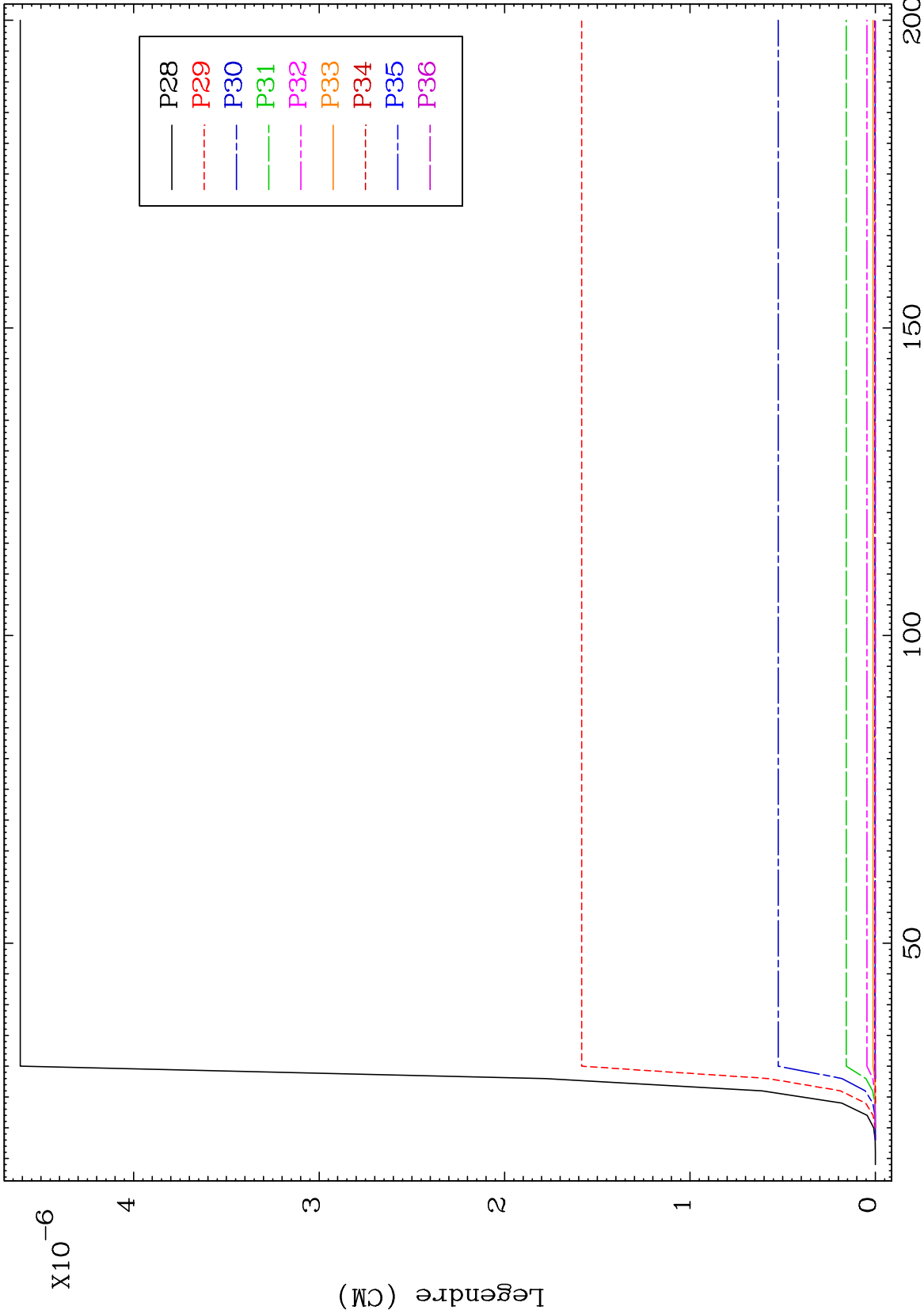
Incident Energy (MeV)

59-Pr-131

MAT 5895

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

59-Pr-131



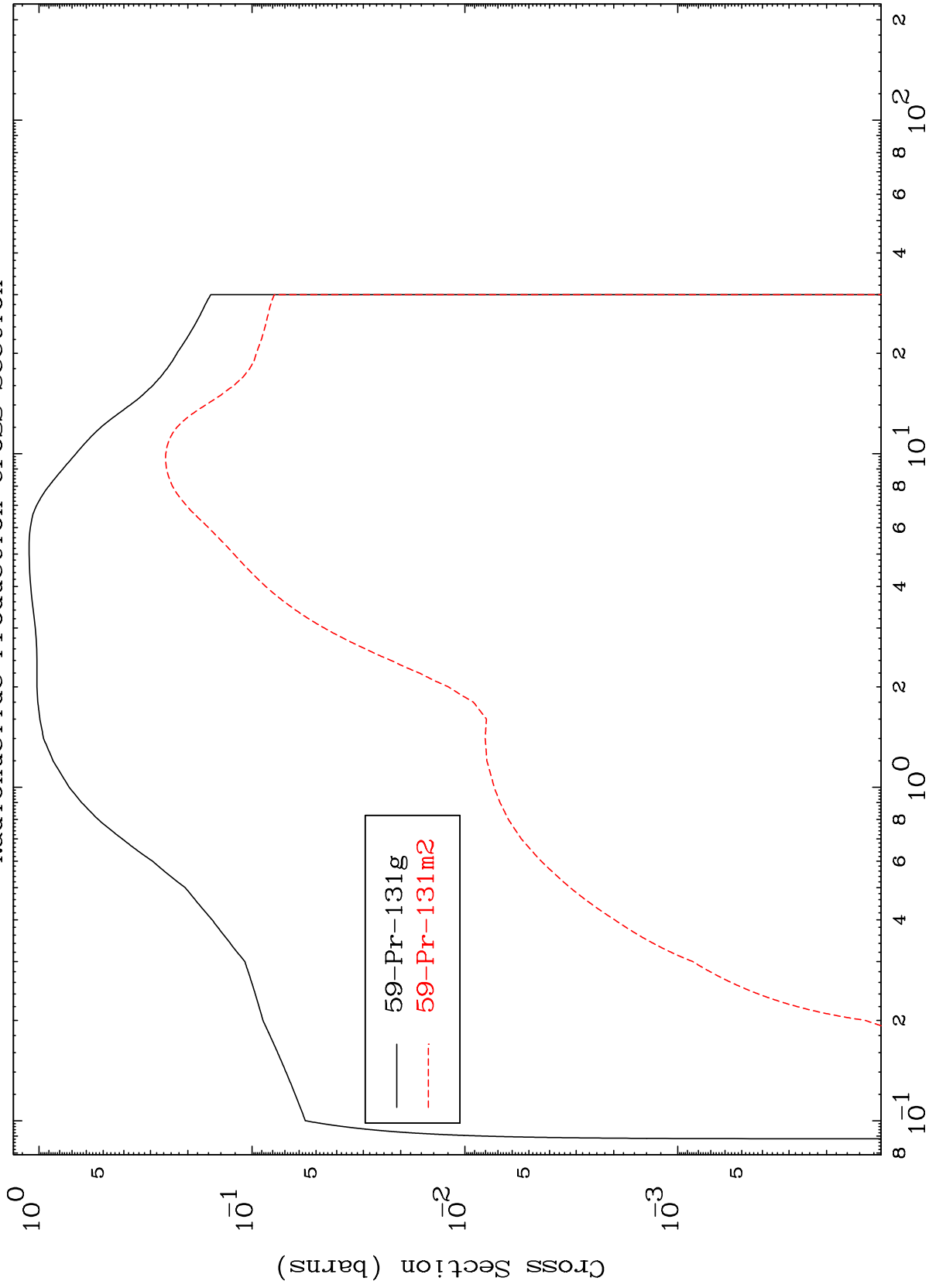
117

59-Pr-131

MAT 5895

59-Pr-131

Inelastic Radionuclide Production Cross Section



118

Incident Energy (MeV)

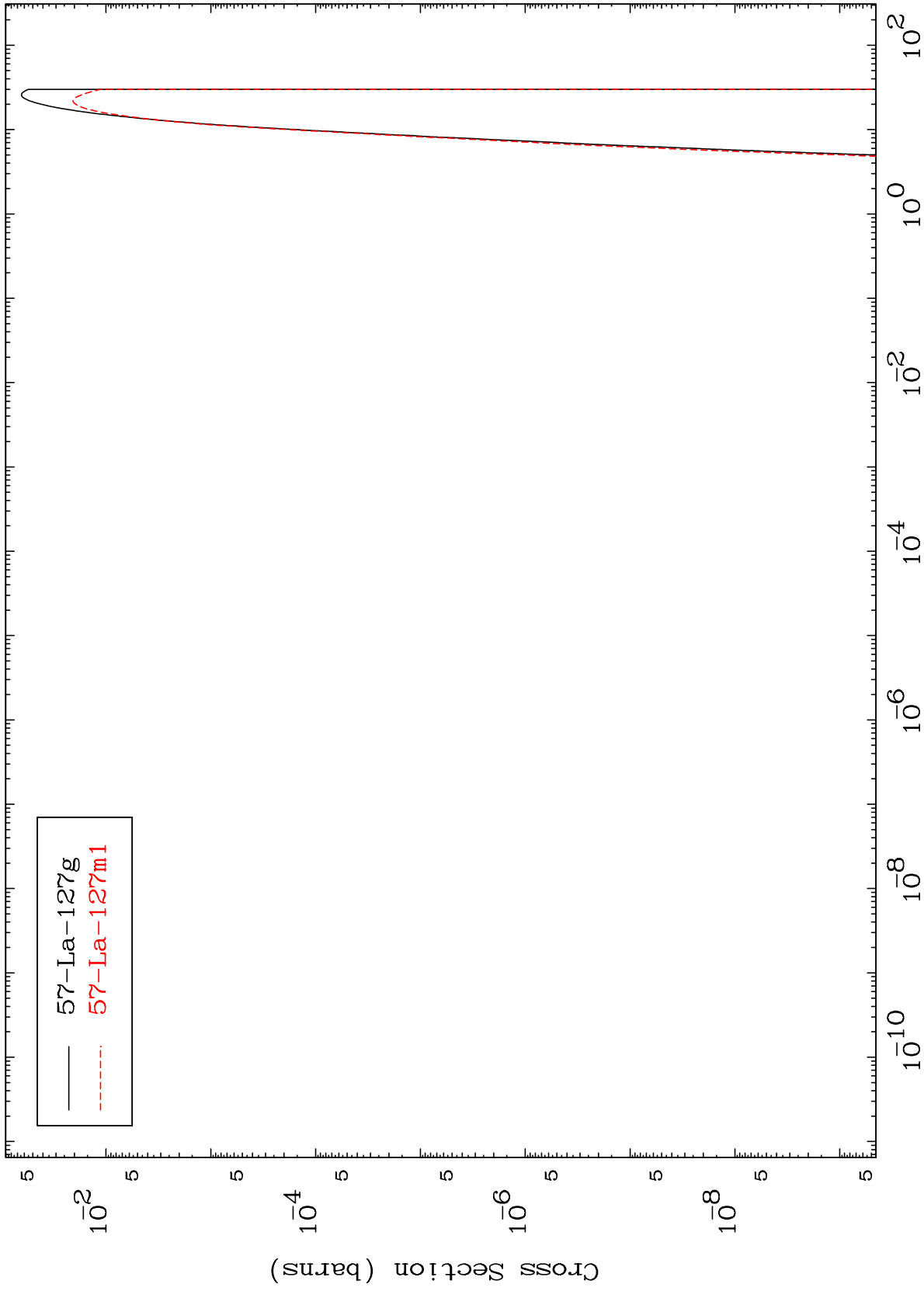
59-Pr-131

MAT 5895

(n,n') α

59-Pr-131

Radionuclide Production Cross Section



119

Incident Energy (MeV)

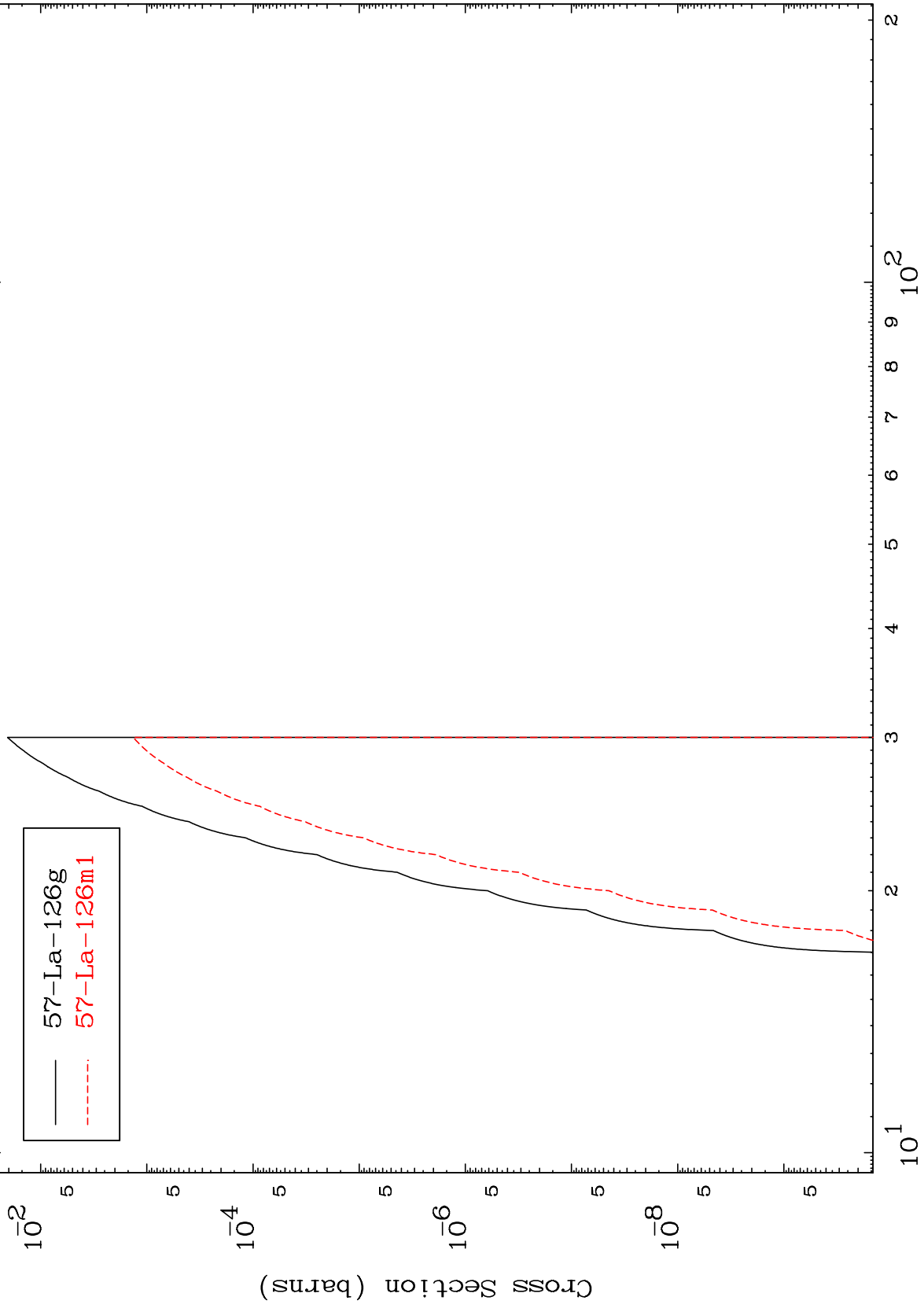
59-Pr-131

MAT 5895

(n,2n) α

59-Pr-131

Radionuclide Production Cross Section



120

Incident Energy (MeV)

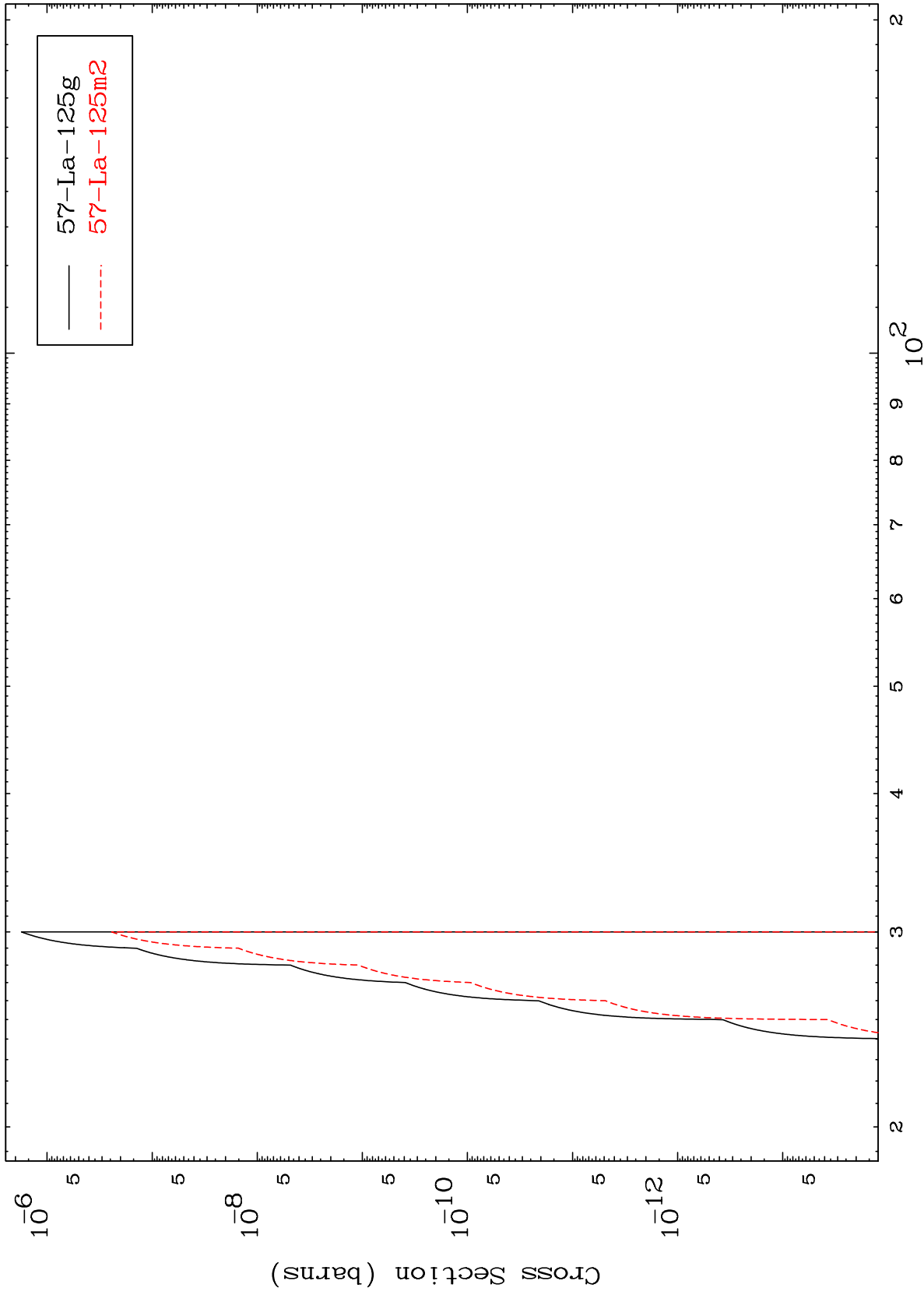
59-Pr-131

MAT 5895

(n,3n) α

59-Pr-131

Radionuclide Production Cross Section



121

Incident Energy (MeV)

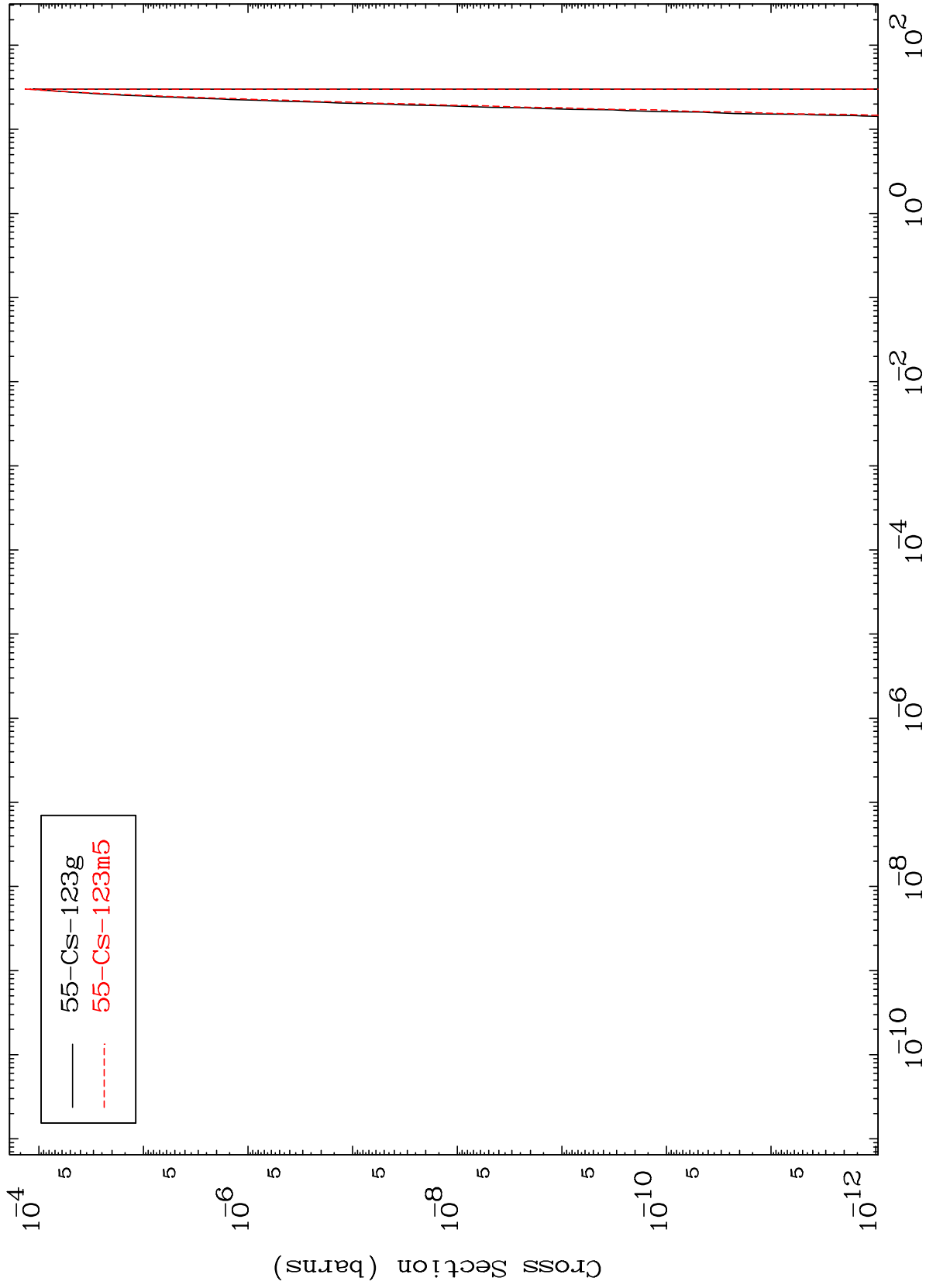
59-Pr-131

MAT 5895

(n,n') 2 α

59-Pr-131

Radionuclide Production Cross Section



122

Incident Energy (MeV)

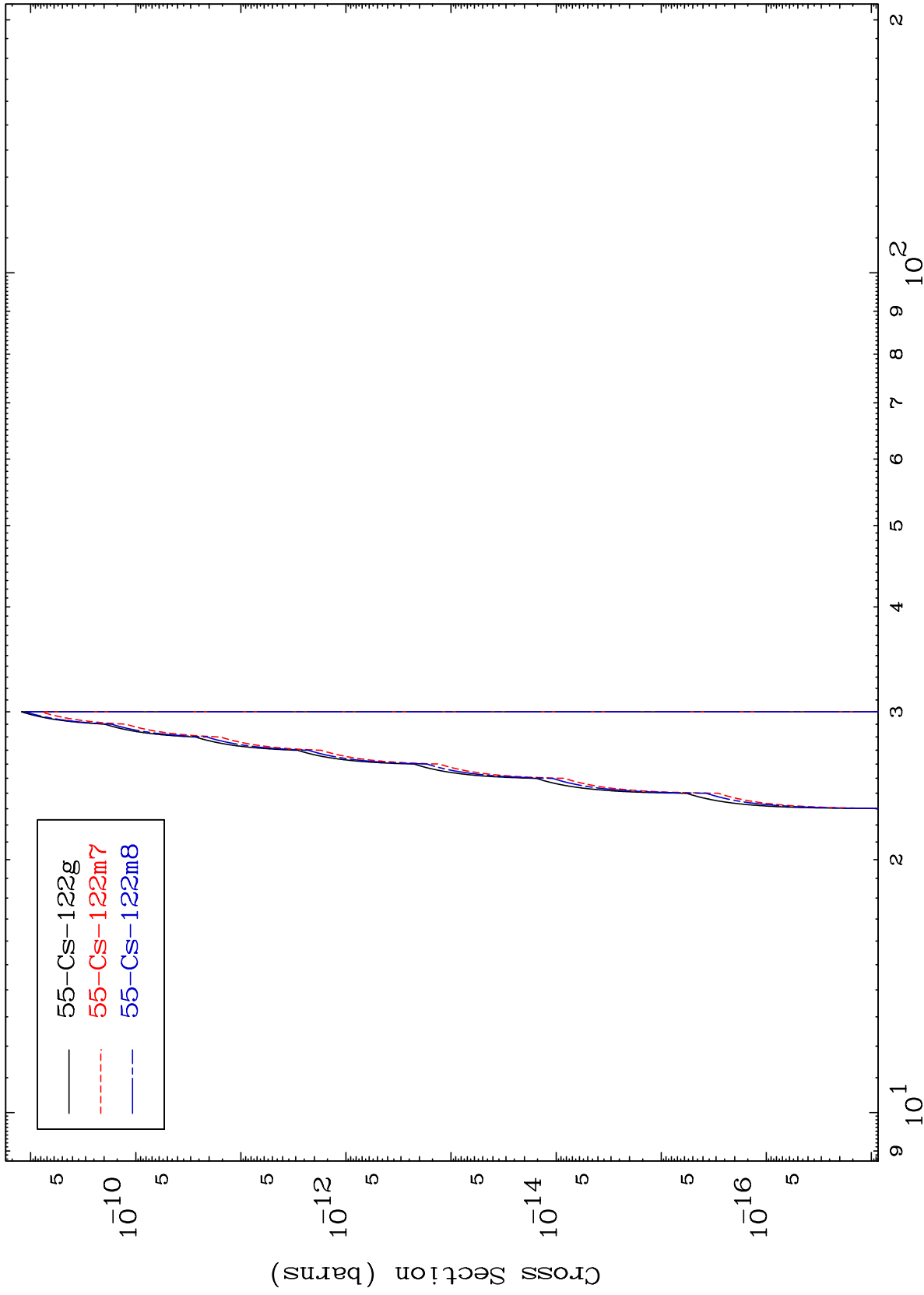
59-Pr-131

MAT 5895

(n,2n) 2α

59-Pr-131

Radionuclide Production Cross Section



55-Cs-122g
55-Cs-122m7
55-Cs-122m8

123

Incident Energy (MeV)

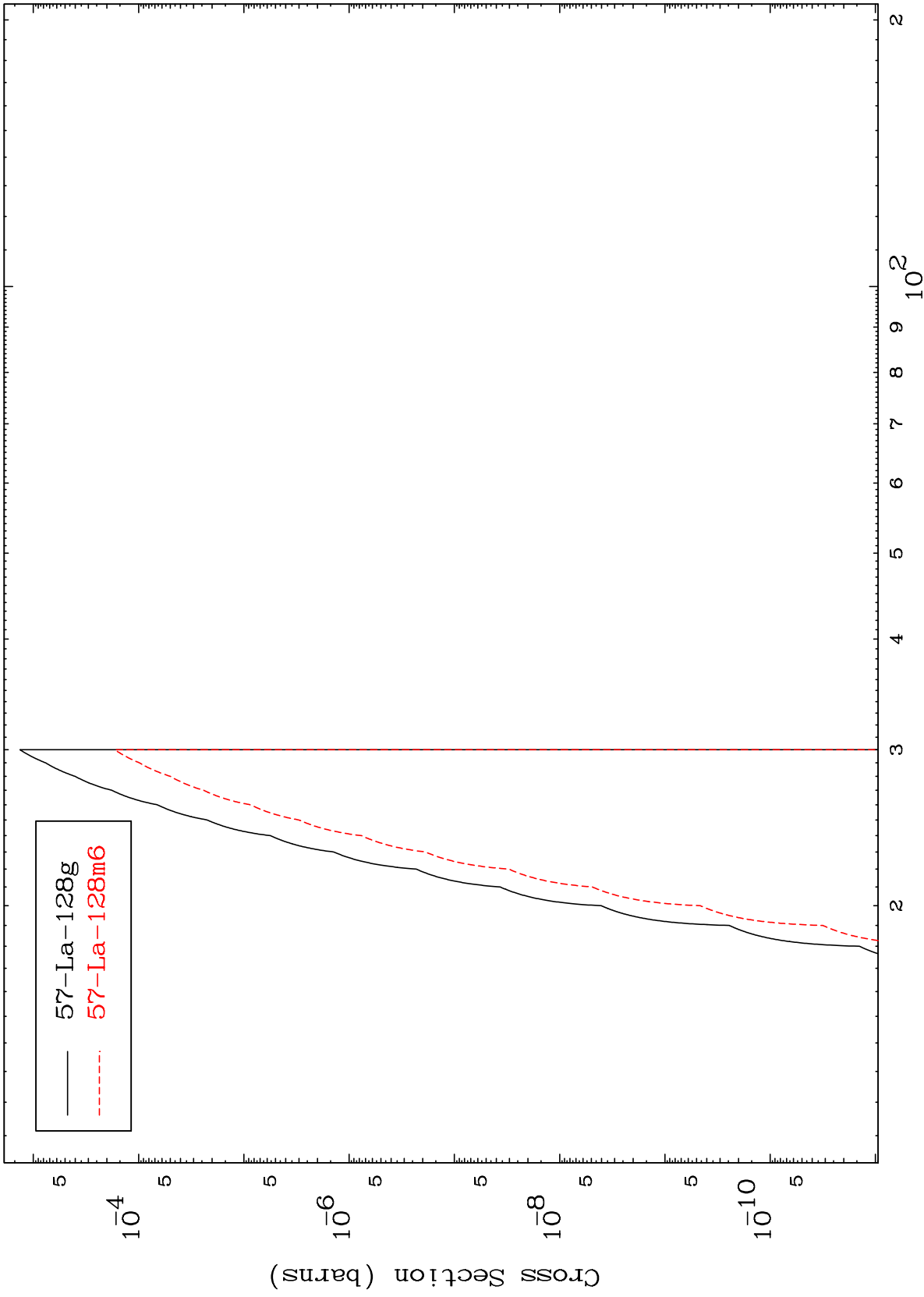
59-Pr-131

MAT 5895

(n, n') He-3

59-Pr-131

Radionuclide Production Cross Section



124

Incident Energy (MeV)

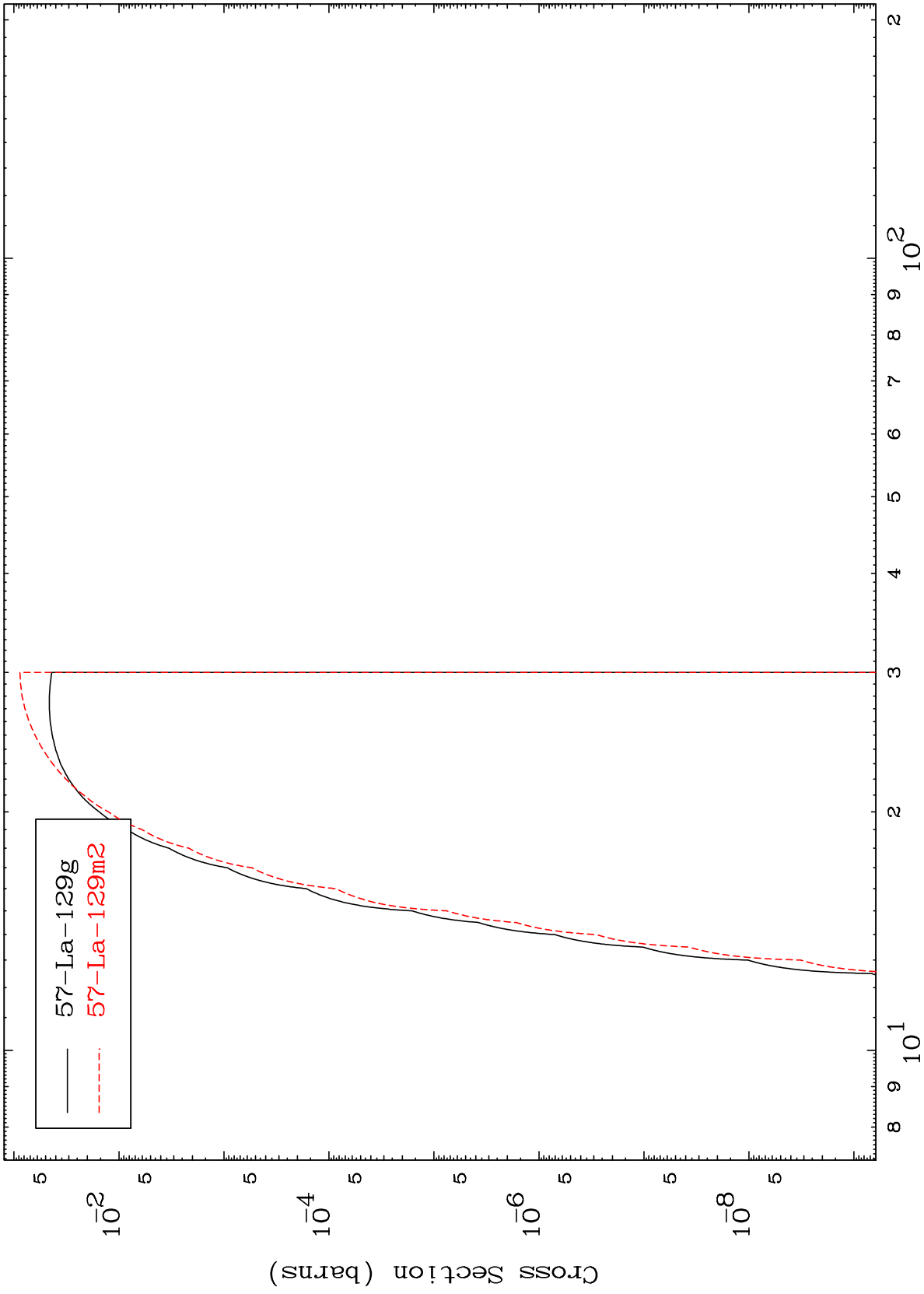
59-Pr-131

MAT 5895

(n,2n) p

59-Pr-131

Radionuclide Production Cross Section



125

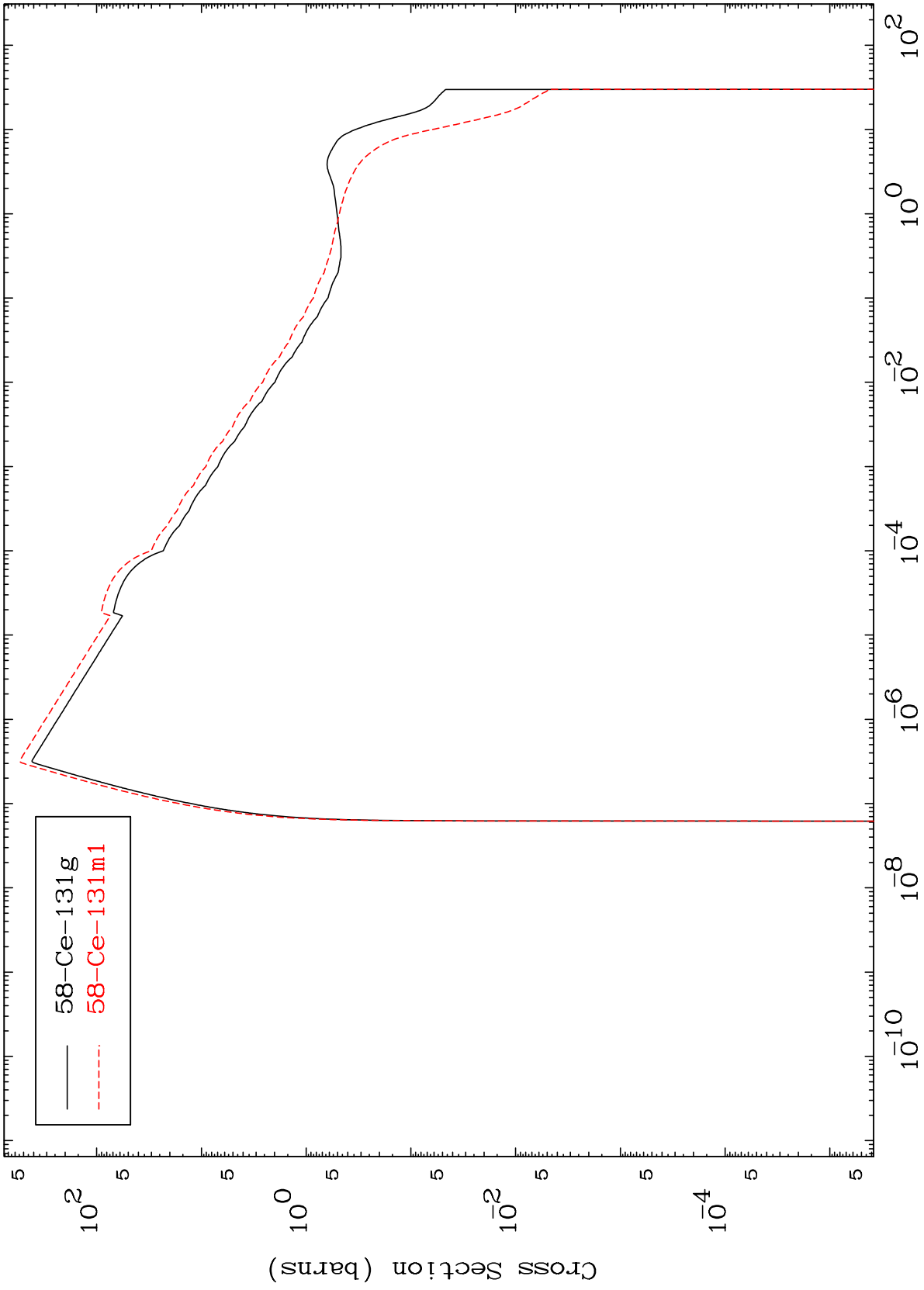
Incident Energy (MeV)

59-Pr-131

MAT 5895

59-Pr-131

(n,p)
Radionuclide Production Cross Section



— 58-Ce-131g
- - - 58-Ce-131m1

126

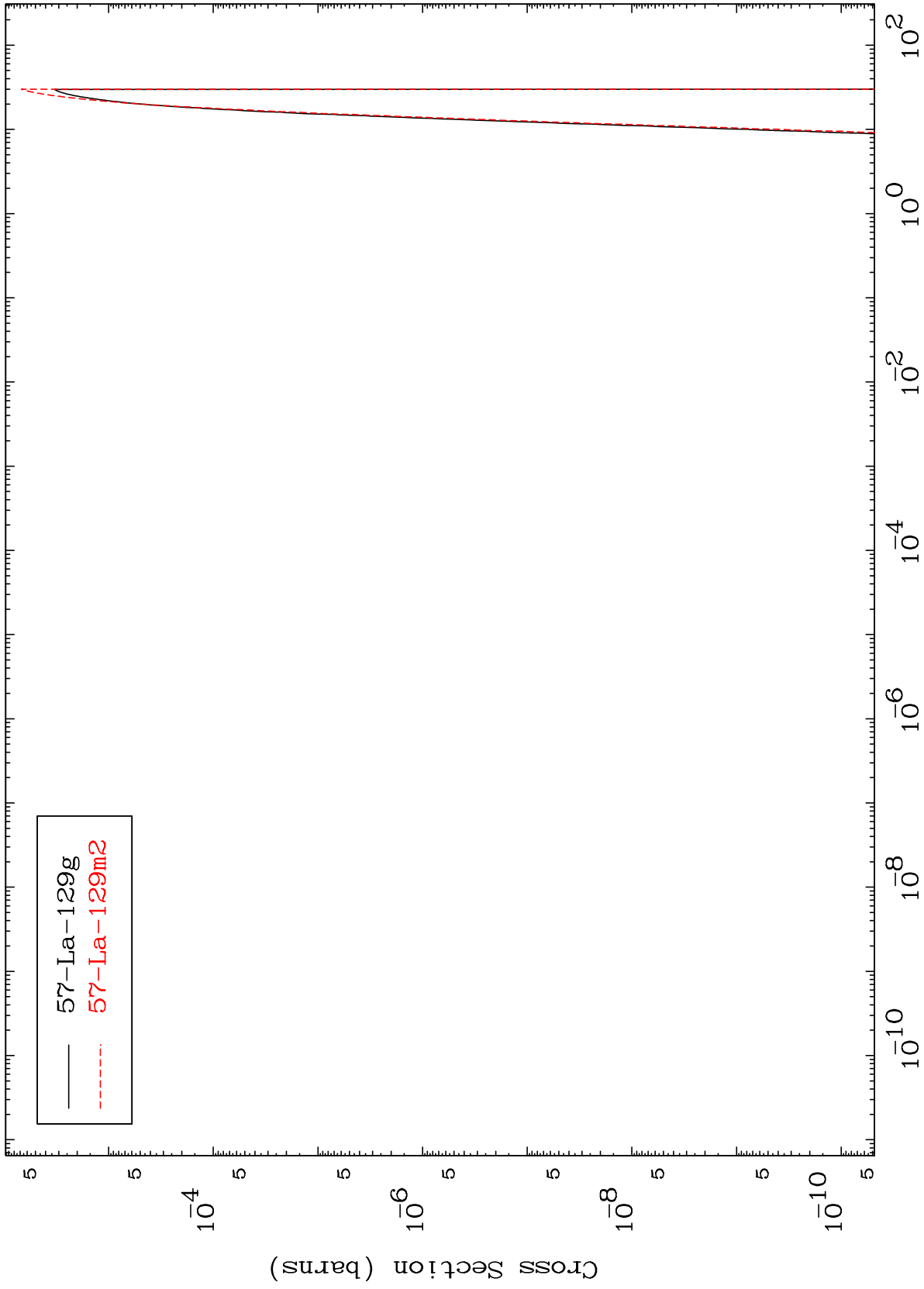
59-Pr-131

MAT 5895

(n, He-3)

59-Pr-131

Radionuclide Production Cross Section



127

Incident Energy (MeV)

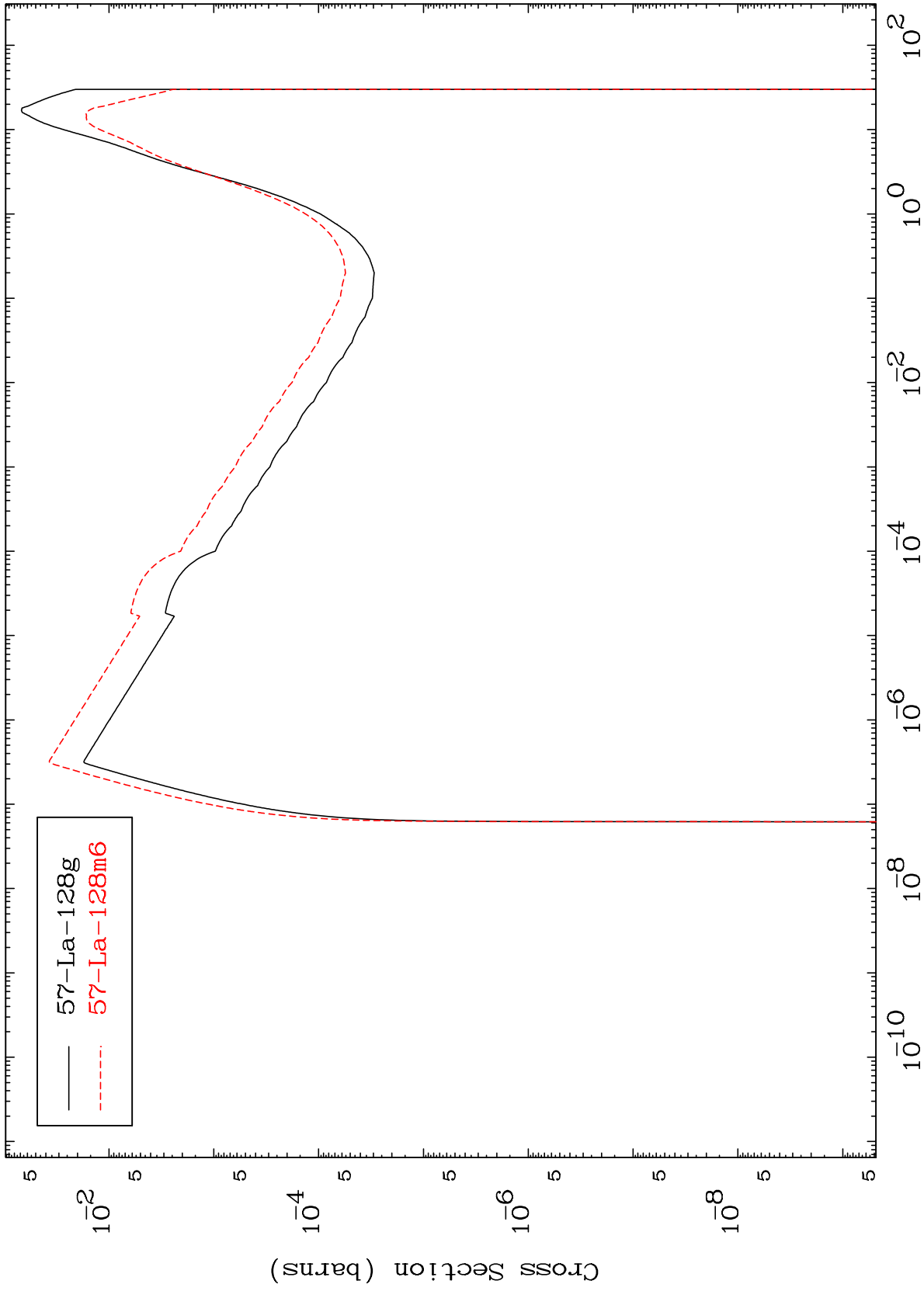
59-Pr-131

MAT 5895

(n, α)

59-Pr-131

Radionuclide Production Cross Section



128

Incident Energy (MeV)

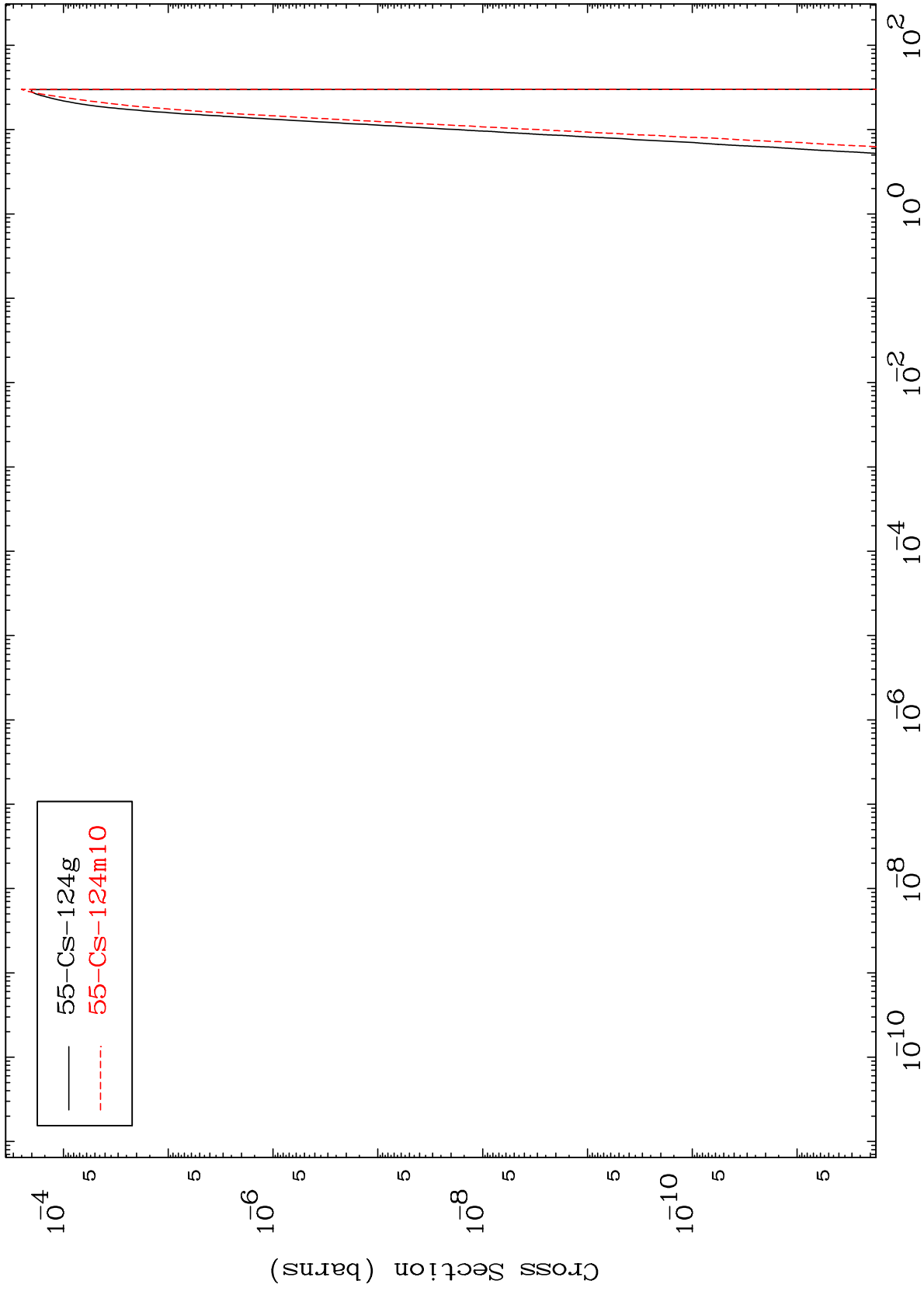
59-Pr-131

MAT 5895

(n,2α)

59-Pr-131

Radionuclide Production Cross Section



129

Incident Energy (MeV)

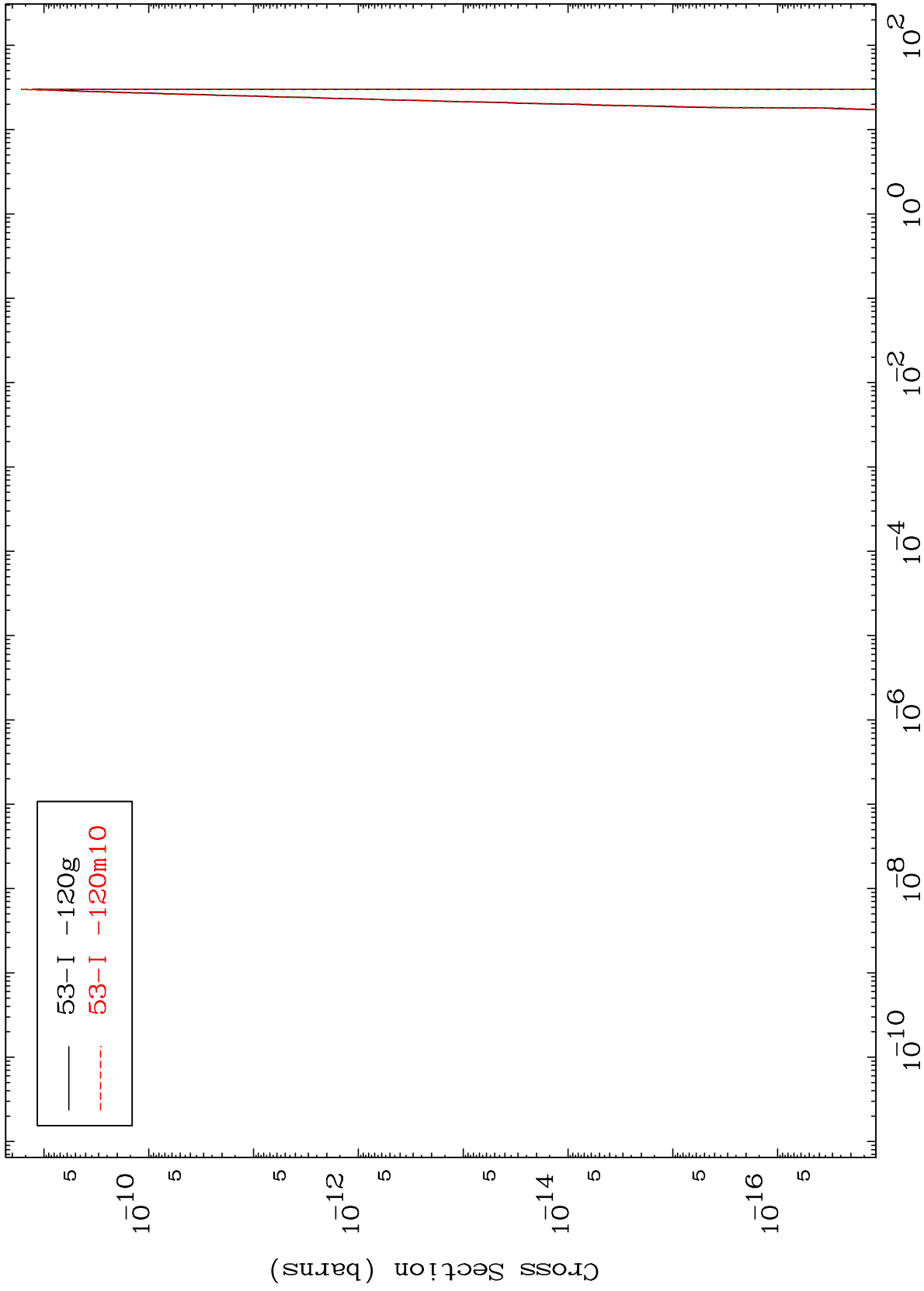
59-Pr-131

MAT 5895

(n,3α)

59-Pr-131

Radionuclide Production Cross Section



130

Incident Energy (MeV)

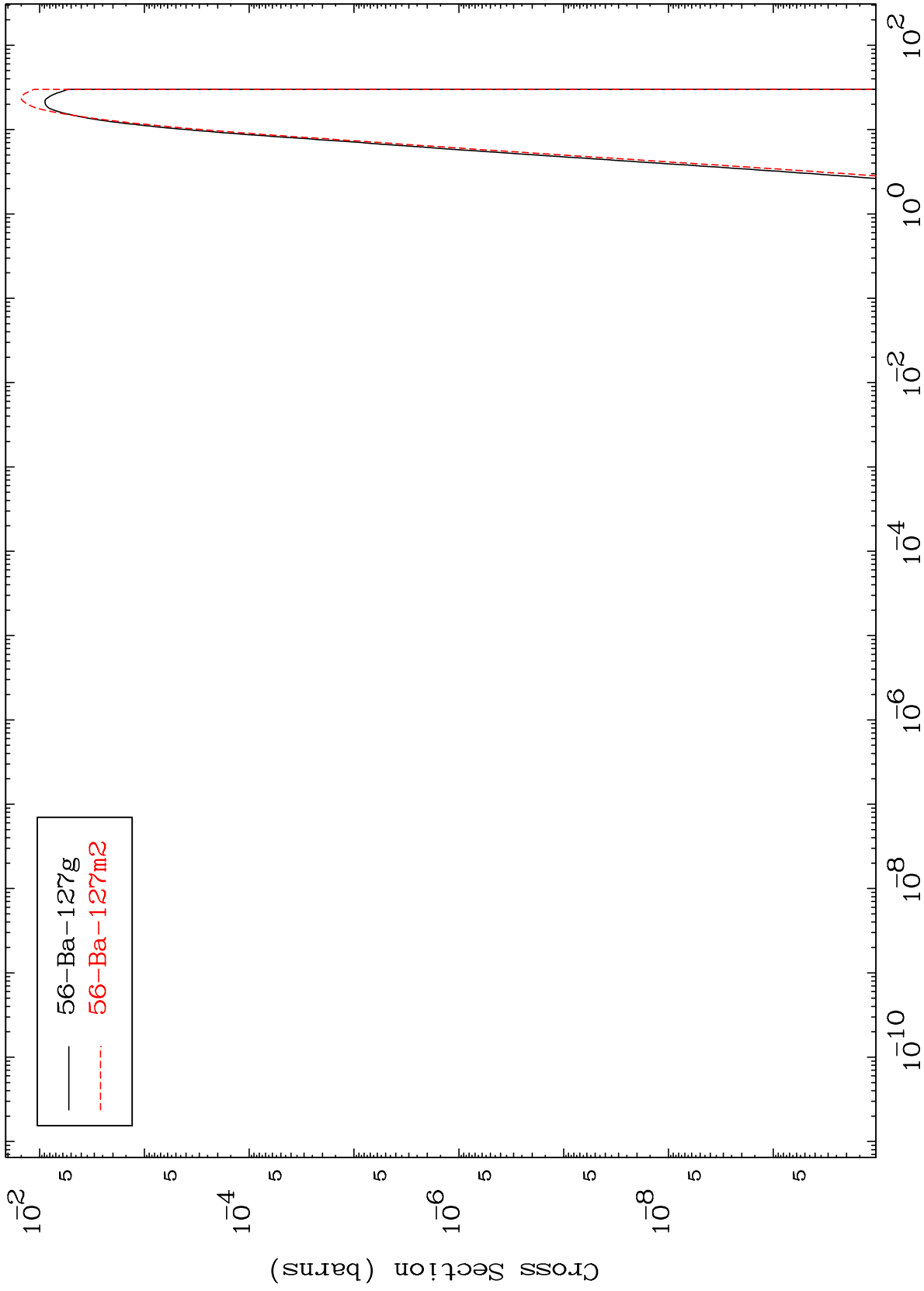
59-Pr-131

MAT 5895

(n,p) α

59-Pr-131

Radionuclide Production Cross Section



131

Incident Energy (MeV)

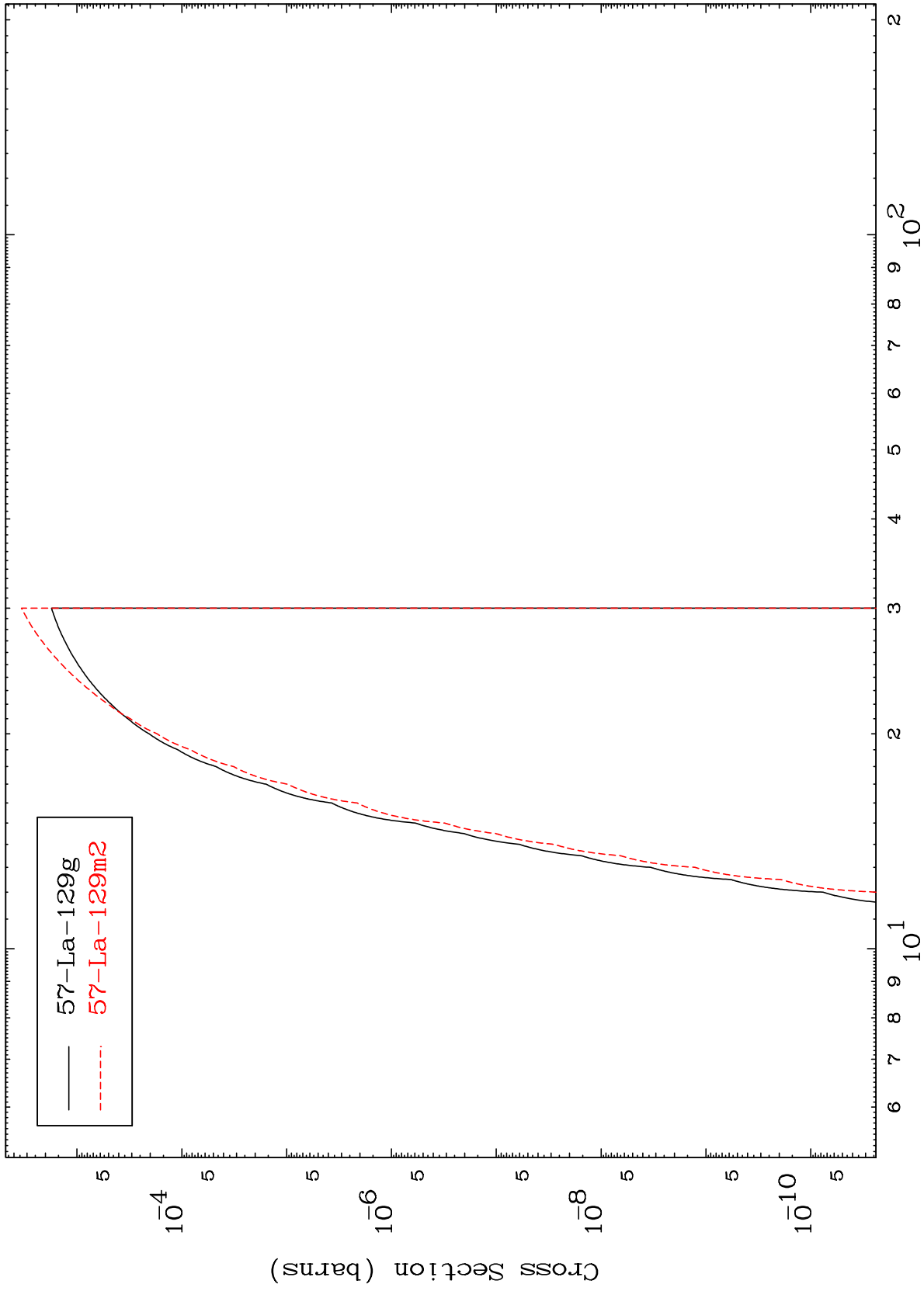
59-Pr-131

MAT 5895

(n,p) d

59-Pr-131

Radionuclide Production Cross Section



132

Incident Energy (MeV)

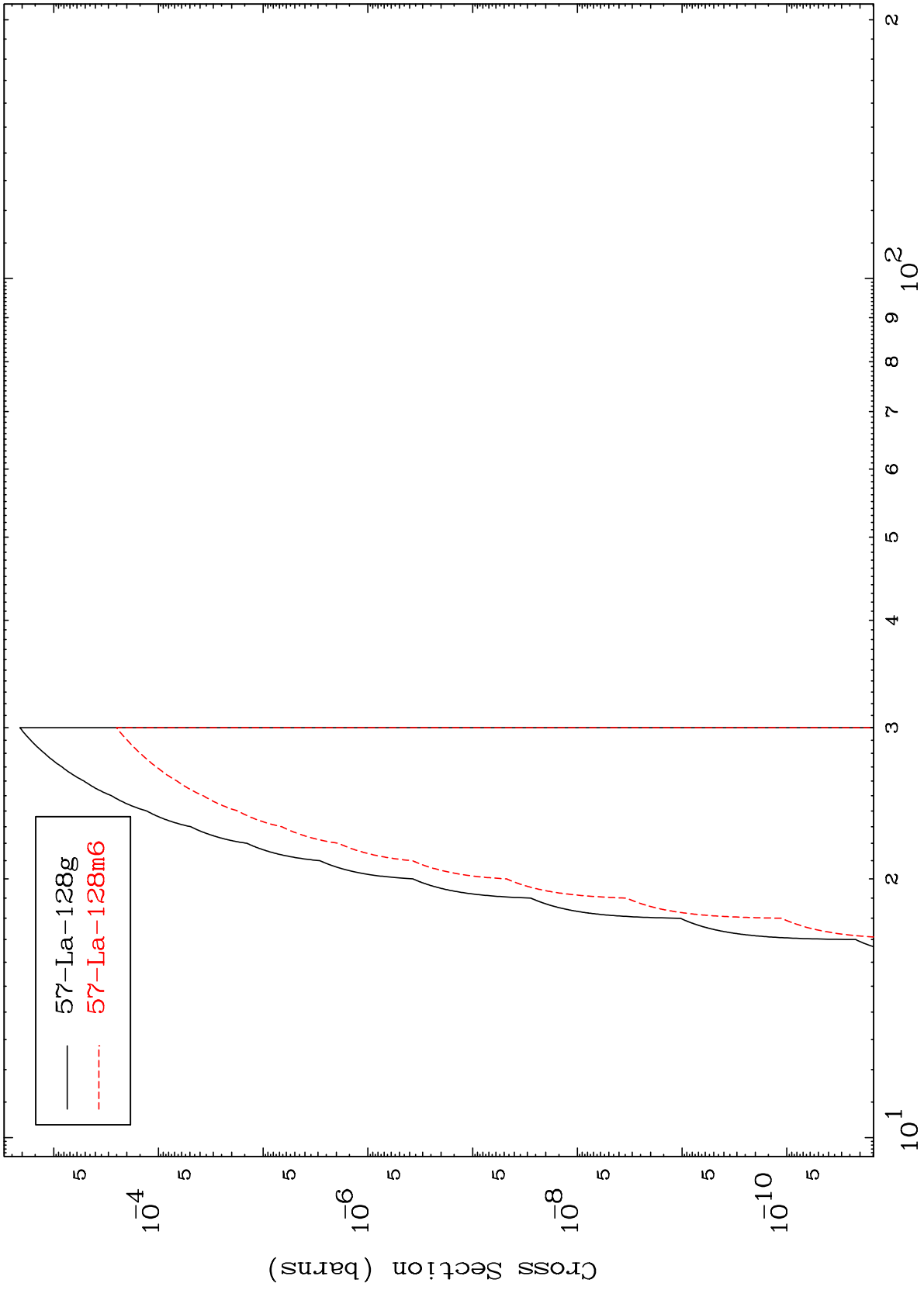
59-Pr-131

MAT 5895

(n,p) t

59-Pr-131

Radionuclide Production Cross Section



133

Incident Energy (MeV)

59-Pr-131