

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

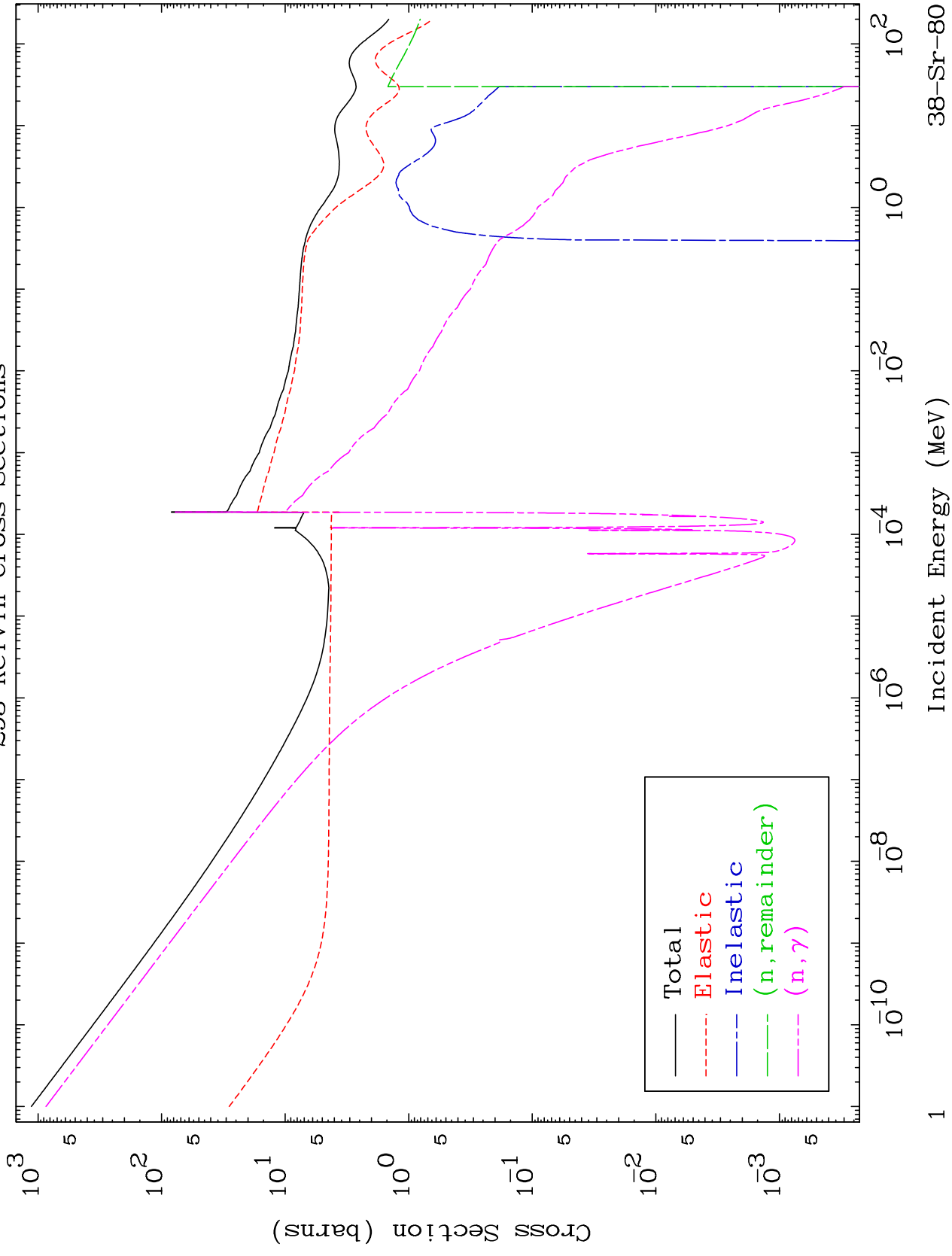
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3813

Major
293 Kelvin Cross Sections

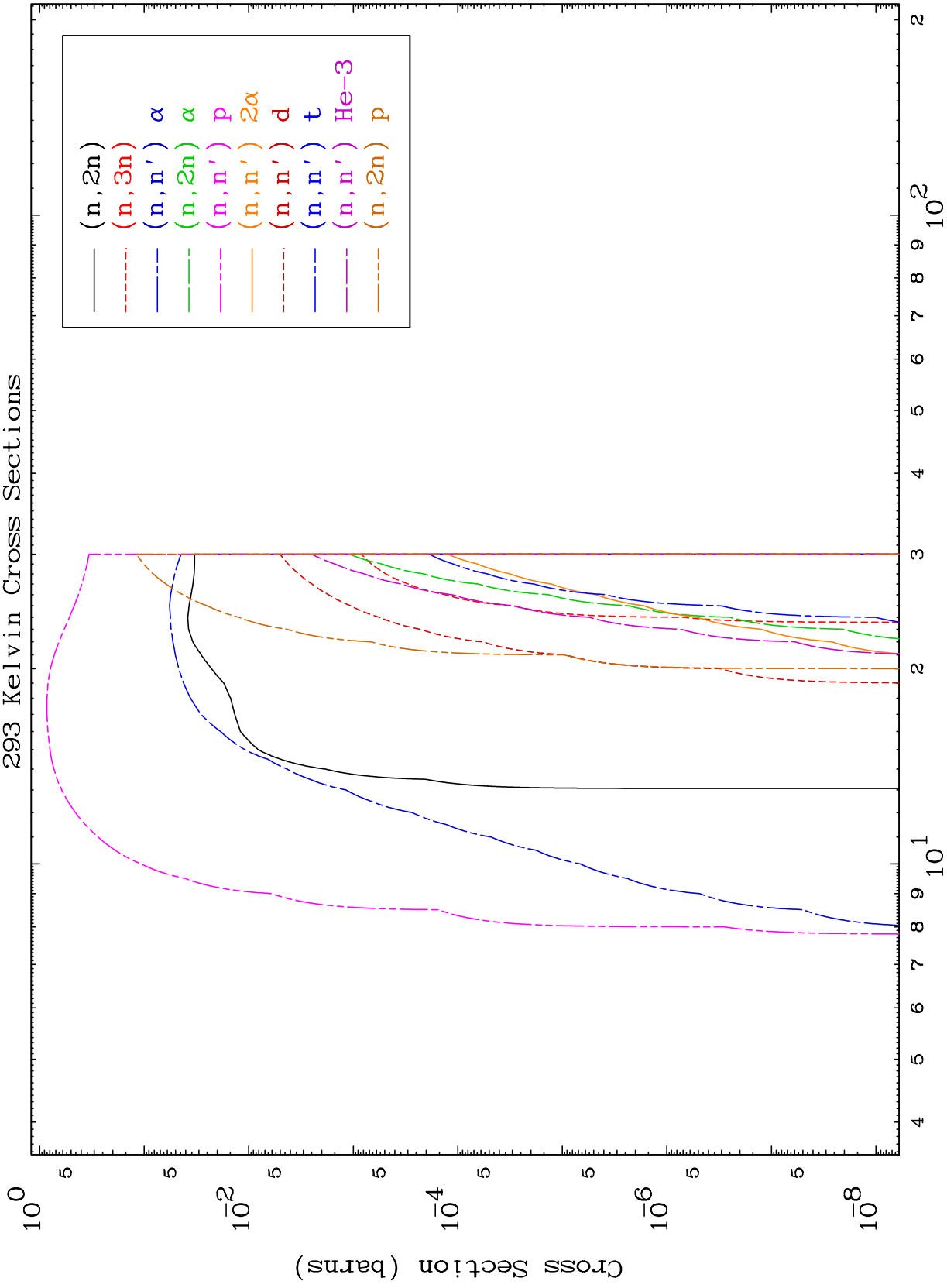
38-Sr-80



MAT 3813

Neutron Production
293 Kelvin Cross Sections

38-Sr-80



2

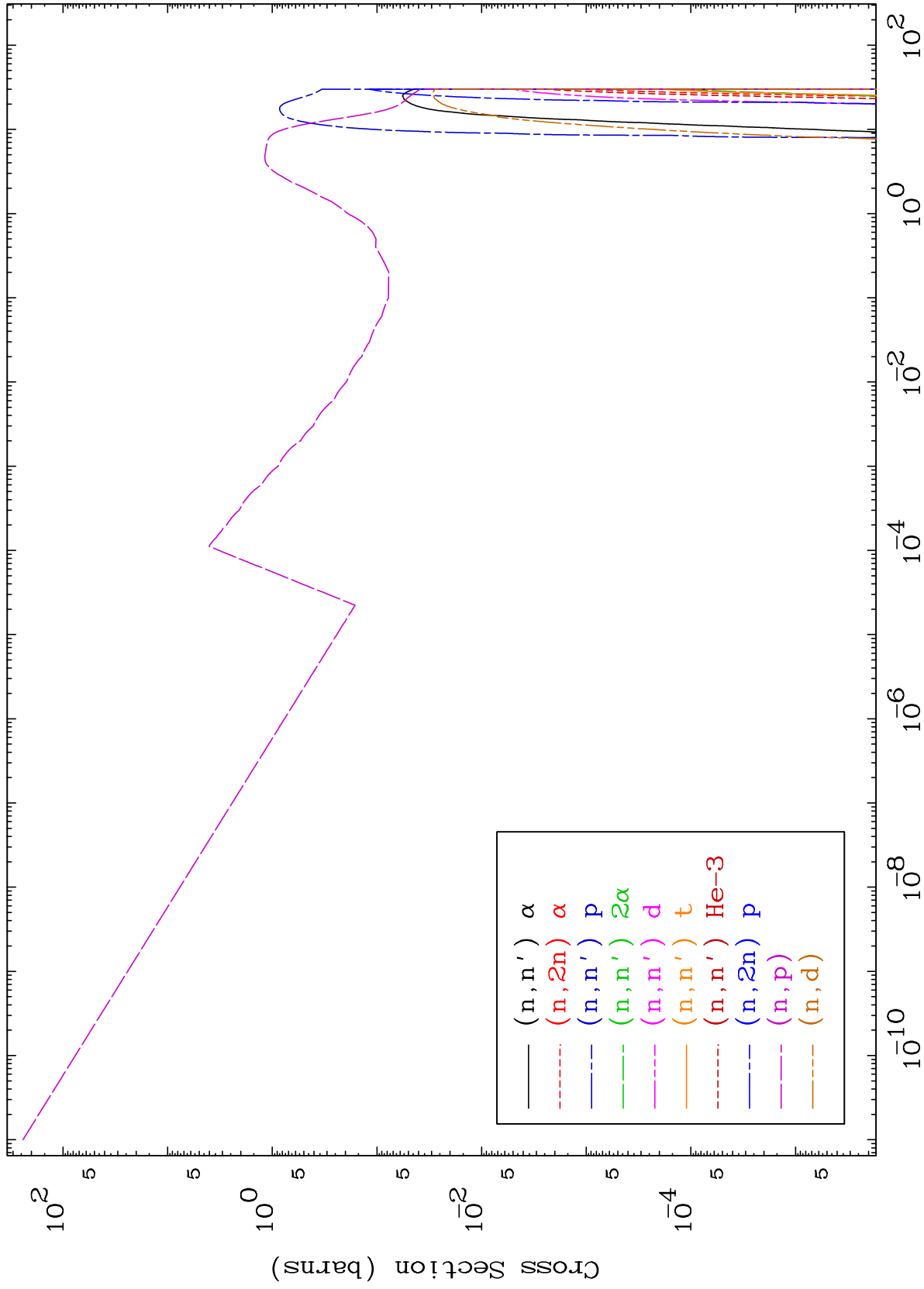
Incident Energy (MeV)

38-Sr-80

MAT 3813

Charged Particle
293 Kelvin Cross Sections

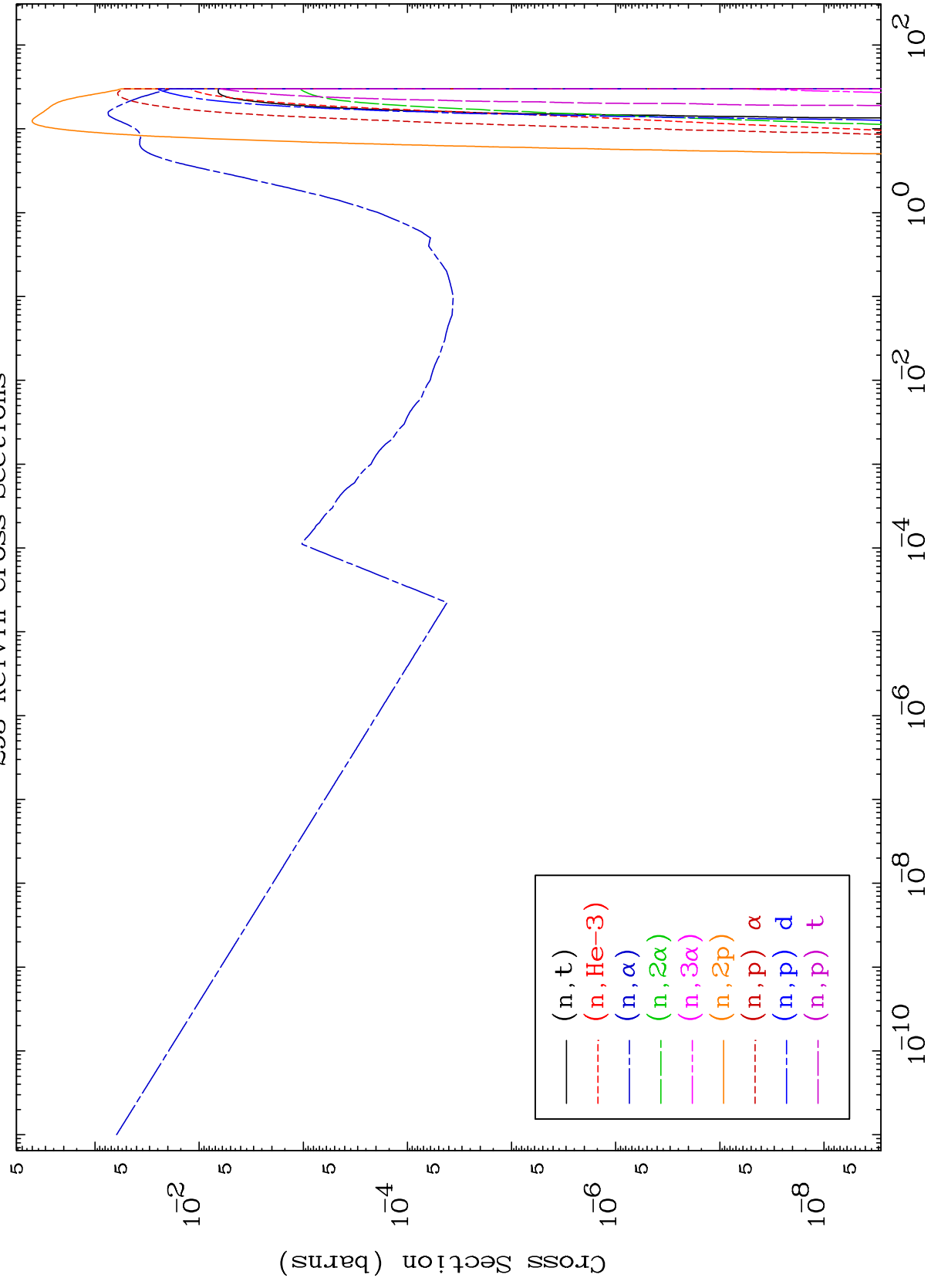
38-Sr-80



MAT 3813

Charged Particle
293 Kelvin Cross Sections

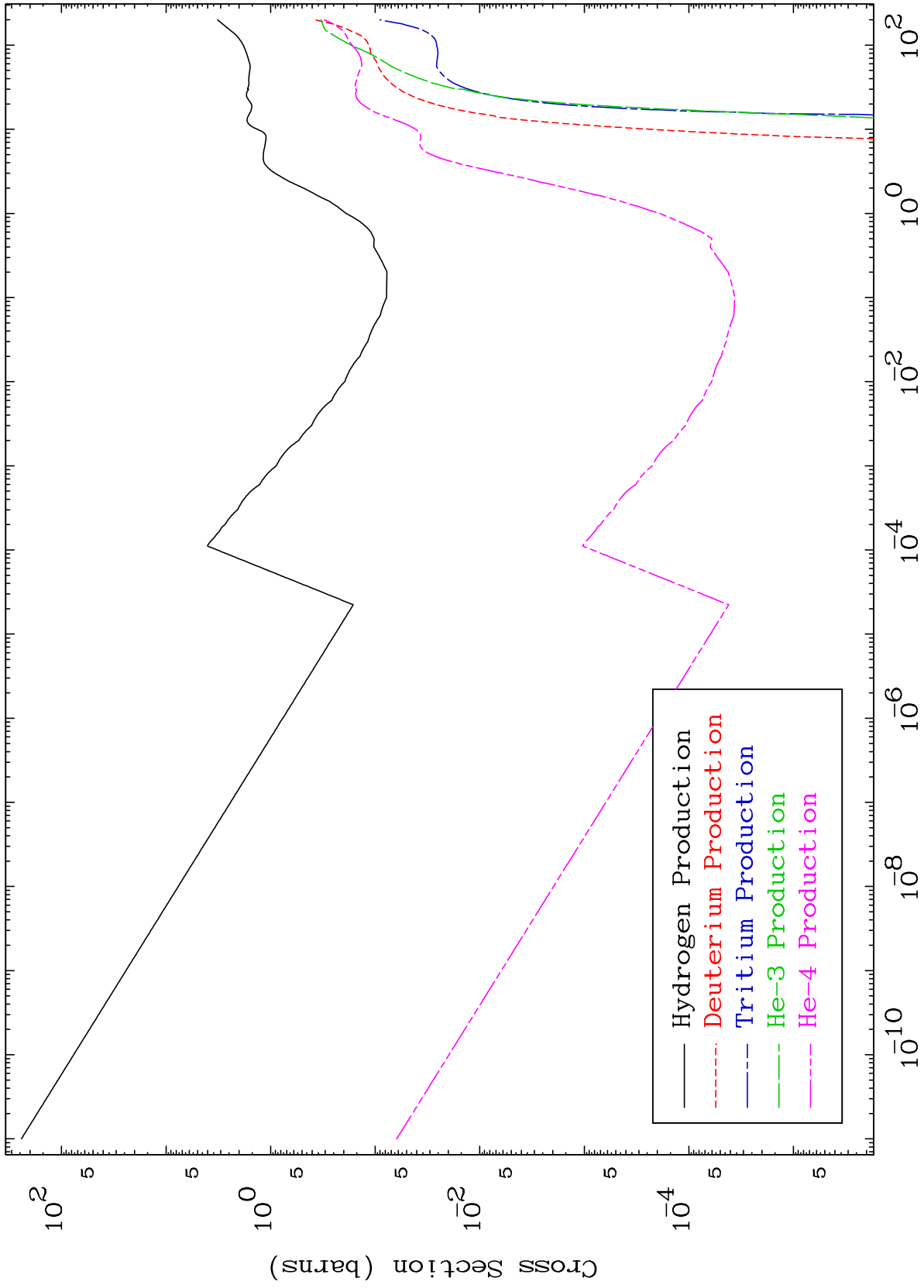
38-Sr-80



MAT 3813

Particle Production
293 Kelvin Cross Sections

38-Sr-80



5

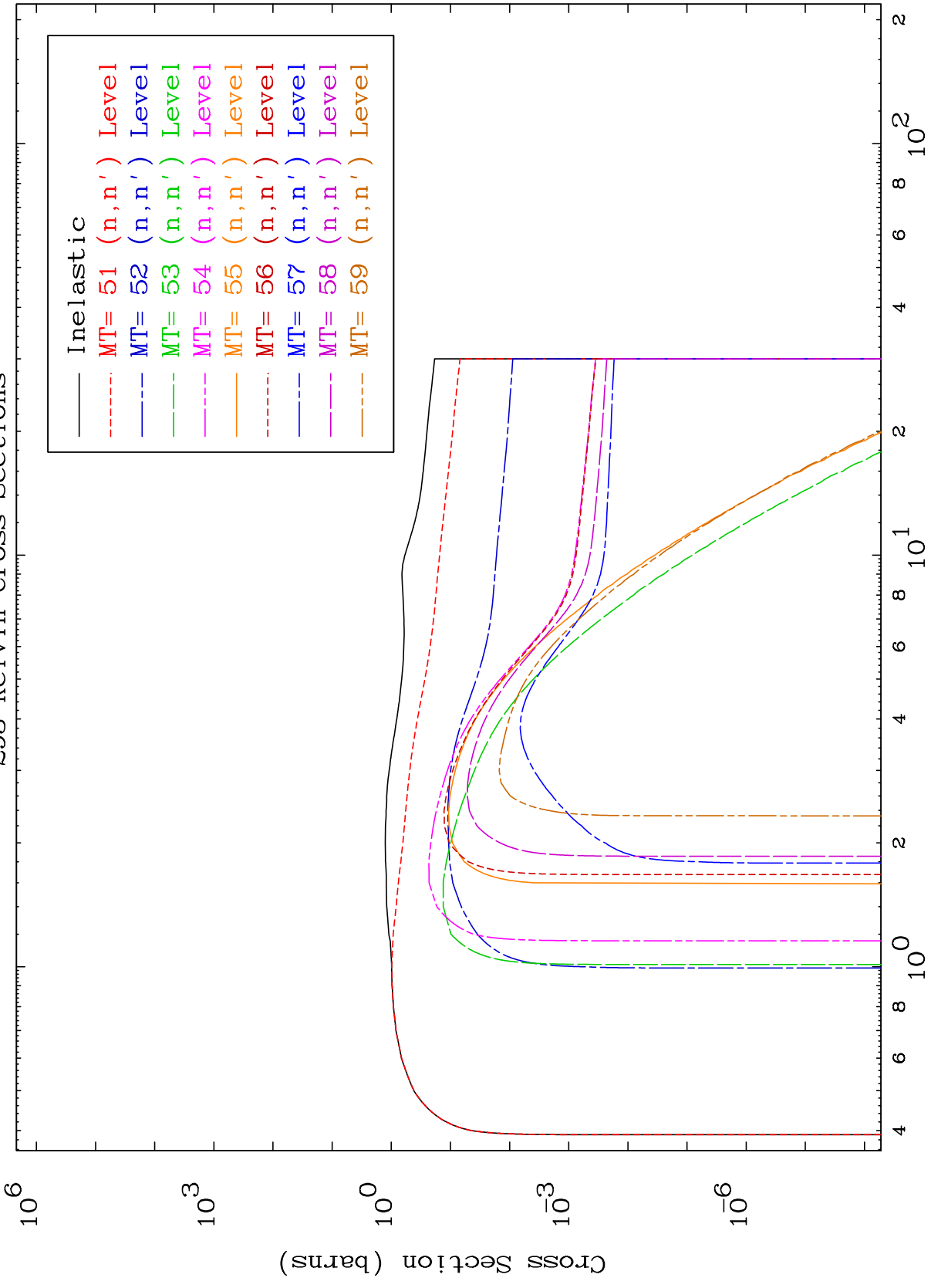
Incident Energy (MeV)

38-Sr-80

MAT 3813

(n,n') Level
293 Kelvin Cross Sections

38-Sr-80



6

Incident Energy (MeV)

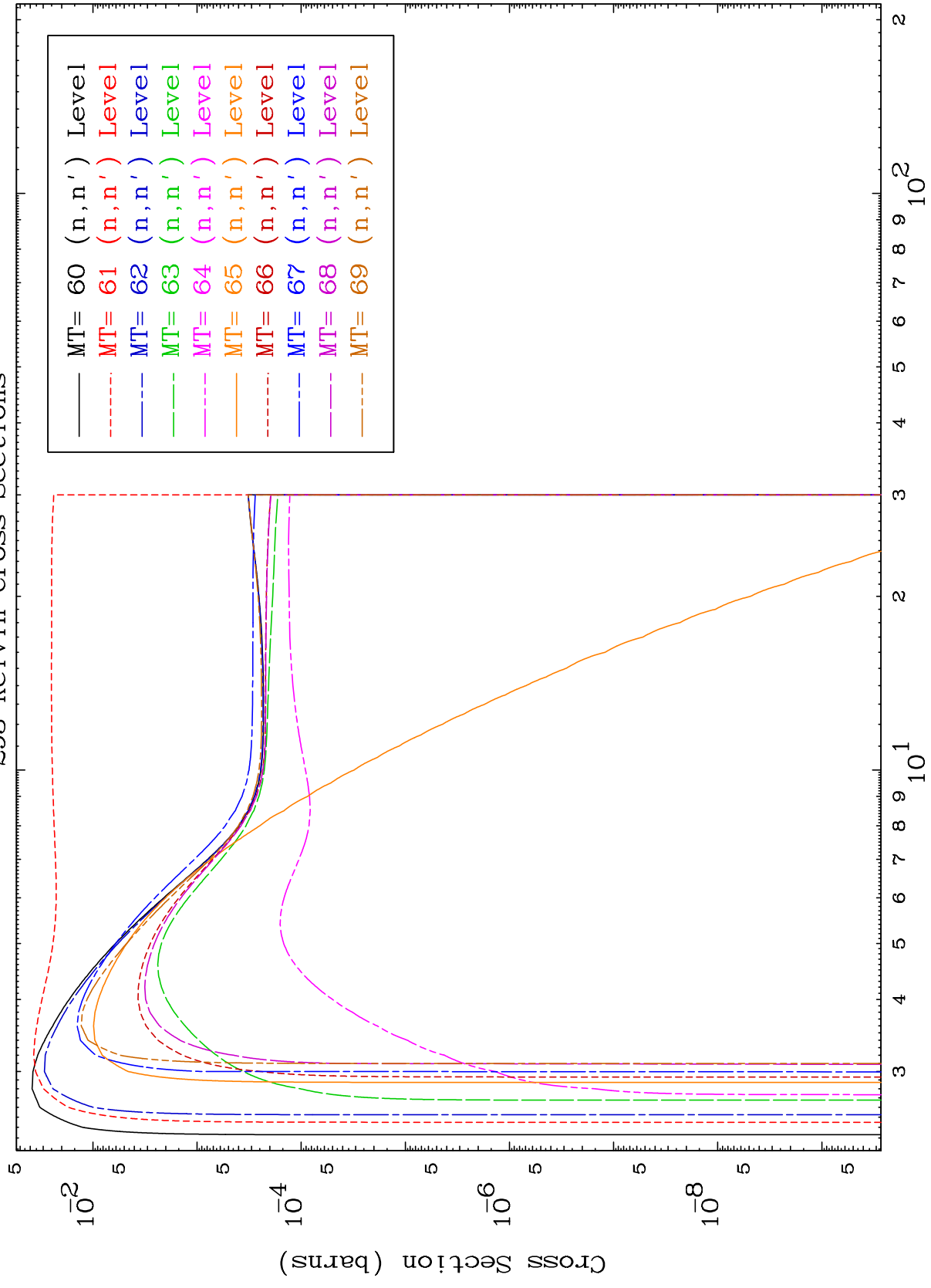
38-Sr-80

MAT 3813

(n,n') Level

38-Sr-80

293 Kelvin Cross Sections



7

Incident Energy (MeV)

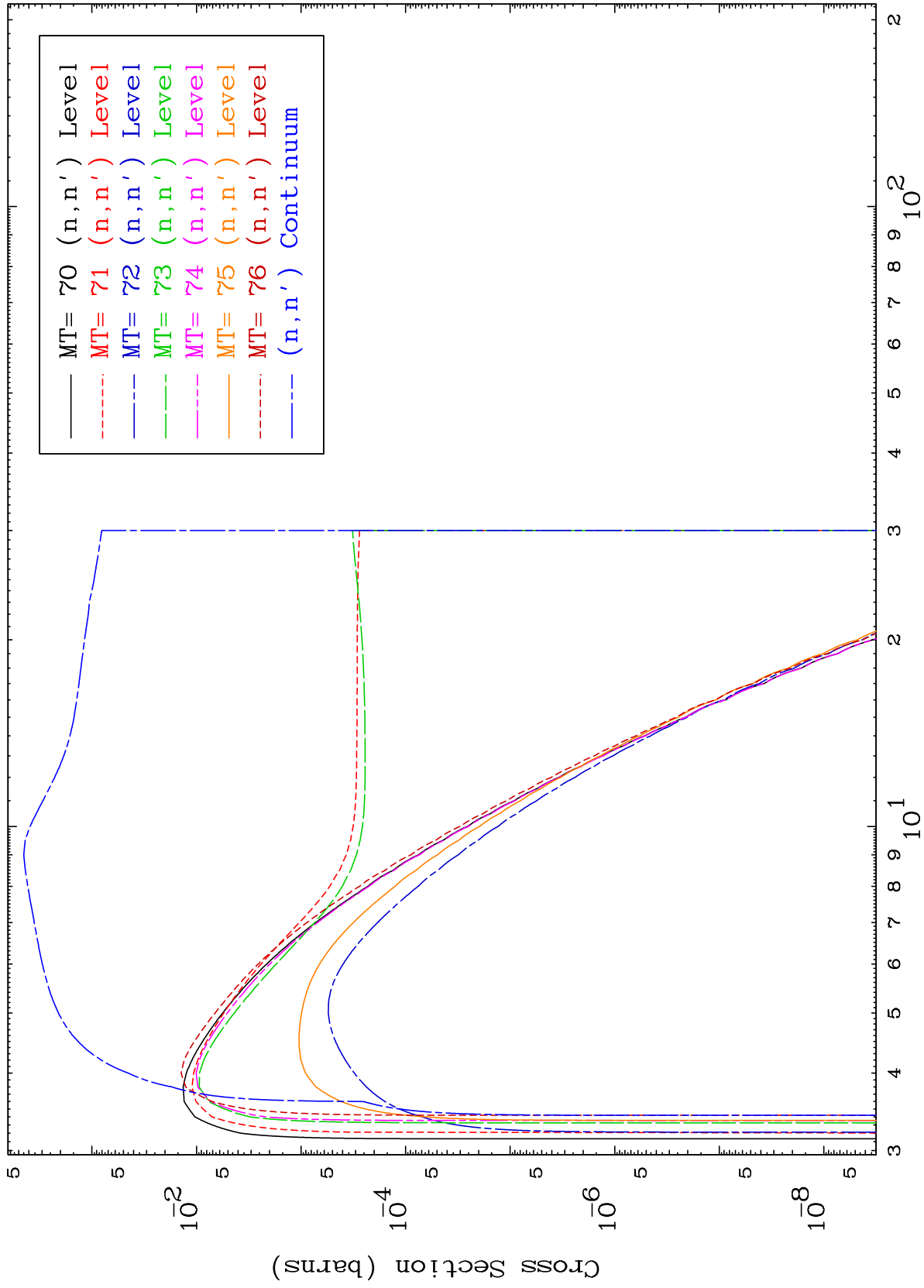
38-Sr-80

MAT 3813

(n,n') Level

38-Sr-80

293 Kelvin Cross Sections



8

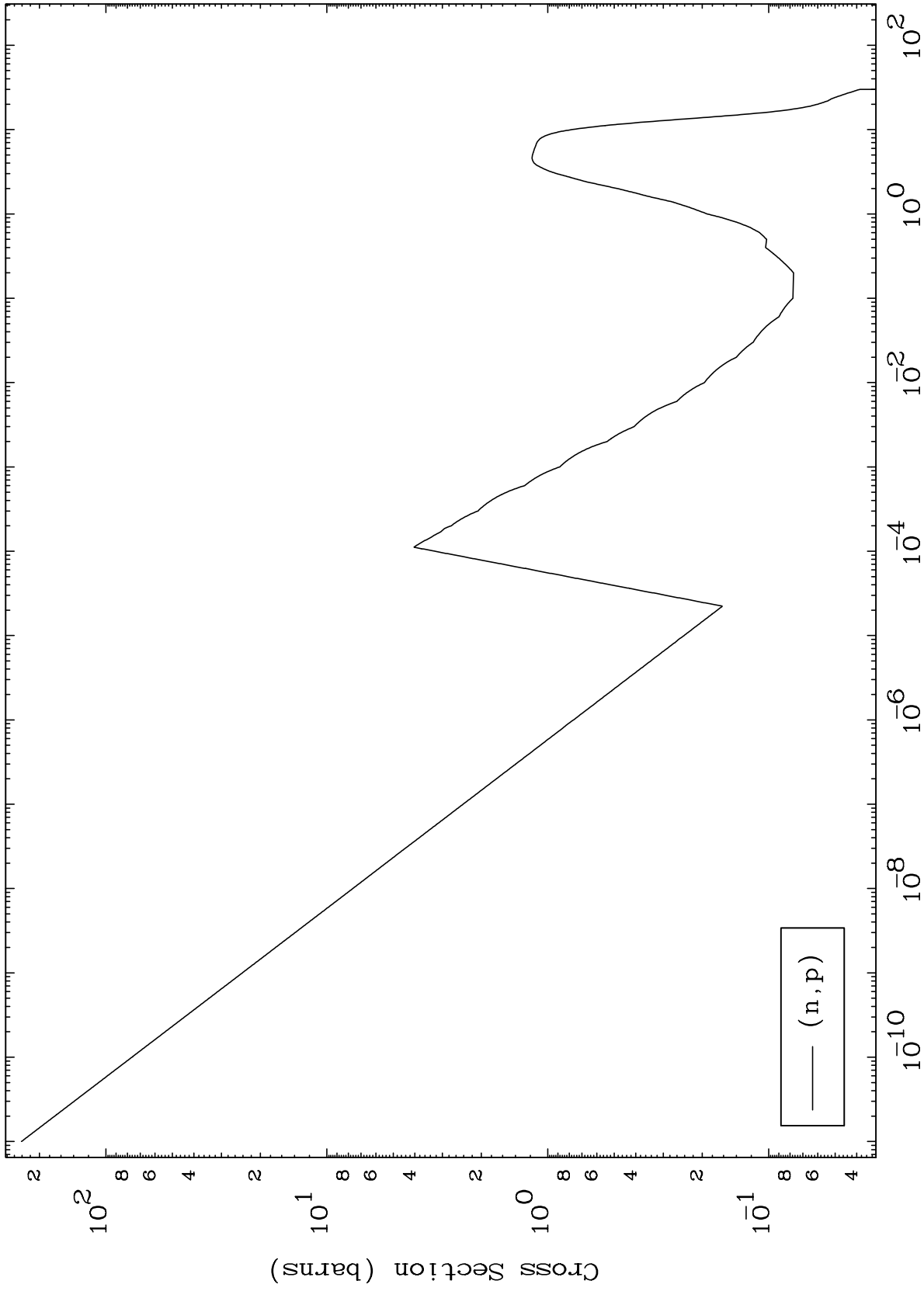
Incident Energy (MeV)

38-Sr-80

MAT 3813

(n,p) Levels
293 Kelvin Cross Sections

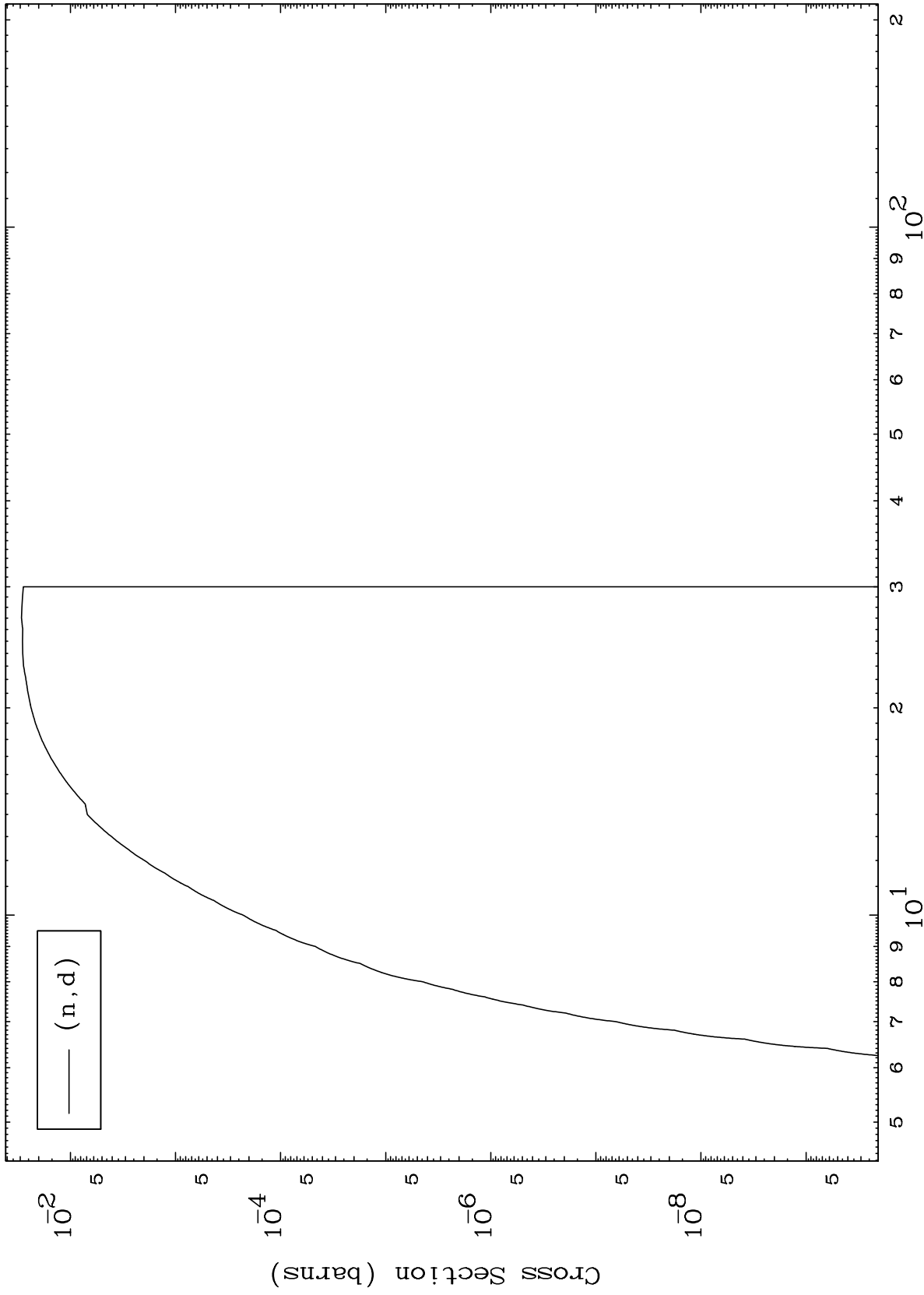
38-Sr-80



MAT 3813

(n,d) Levels
293 Kelvin Cross Sections

38-Sr-80



10

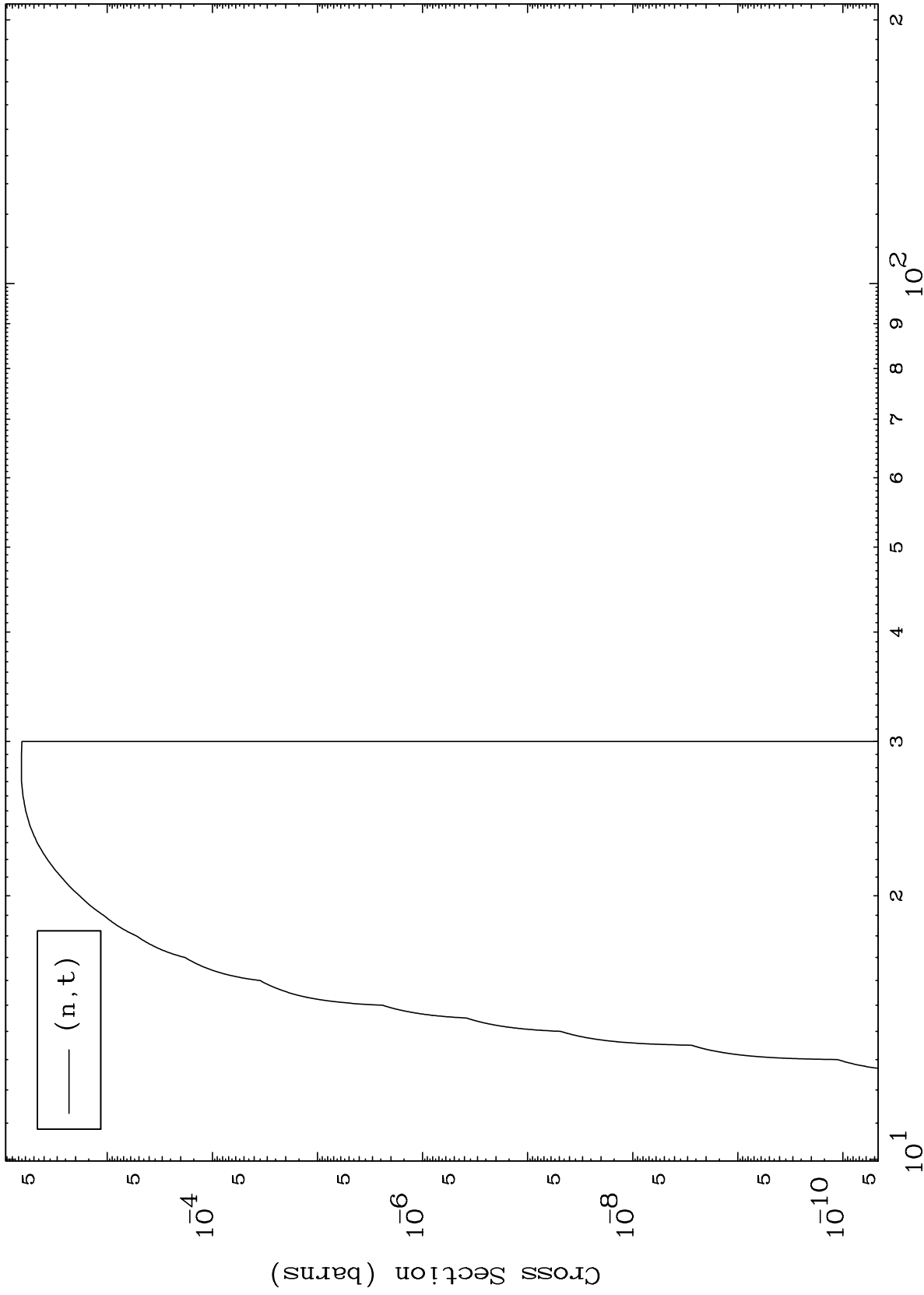
Incident Energy (MeV)

38-Sr-80

MAT 3813

(n,t) Levels
293 Kelvin Cross Sections

38-Sr-80



11

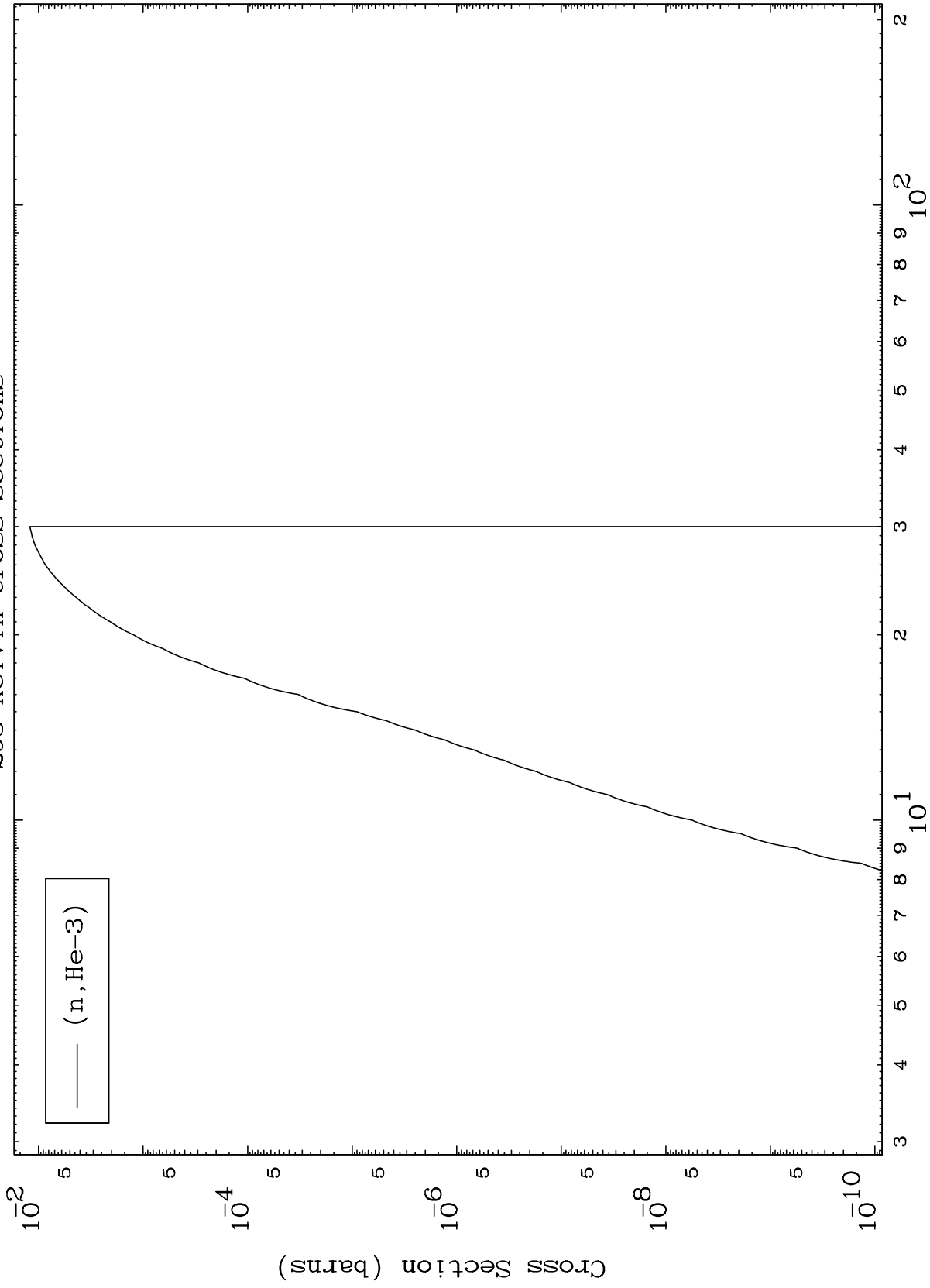
Incident Energy (MeV)

38-Sr-80

MAT 3813

38-Sr-80

(n,He3) Levels
293 Kelvin Cross Sections



12

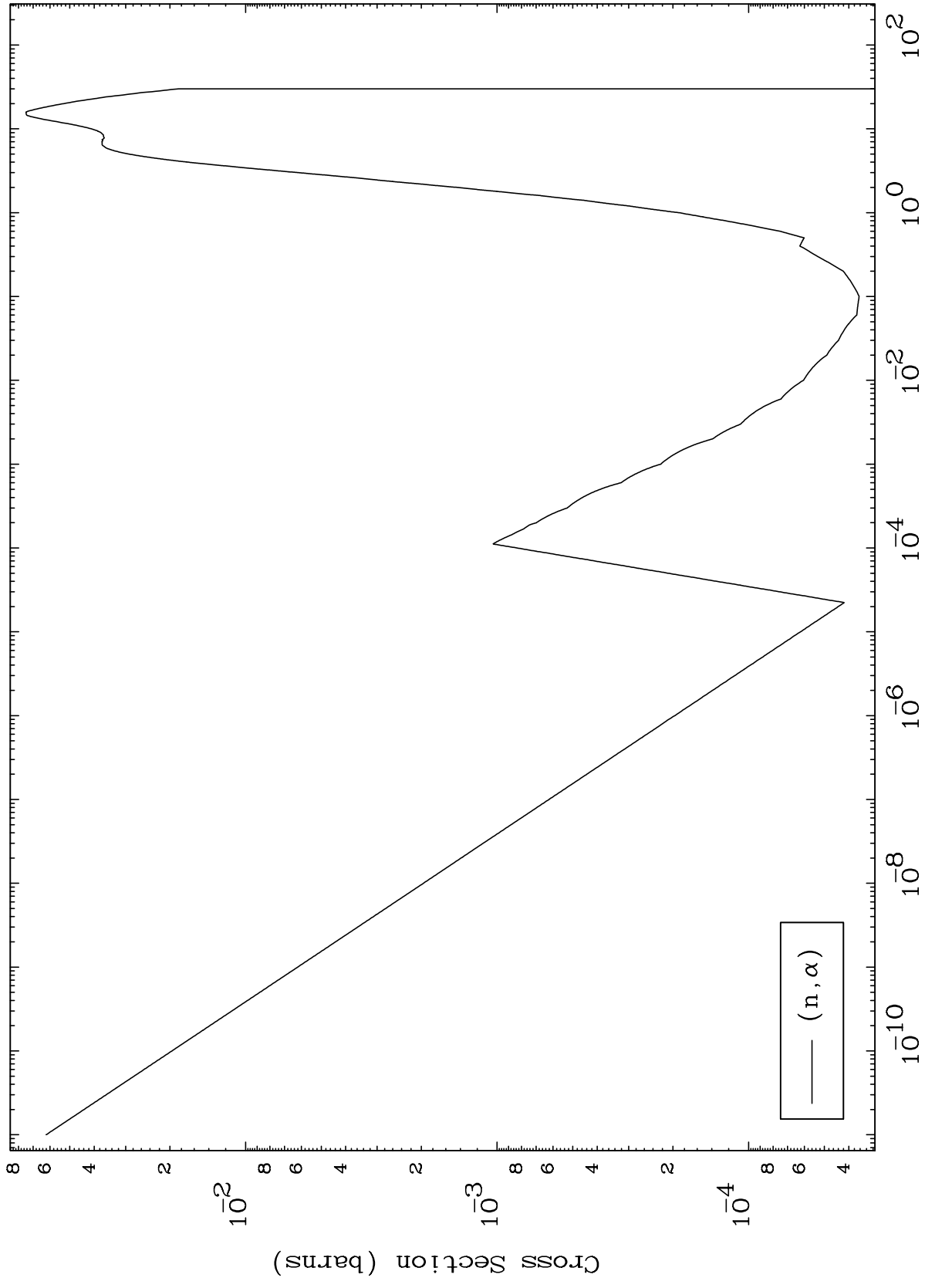
Incident Energy (MeV)

38-Sr-80

MAT 3813

(n,α) Levels
293 Kelvin Cross Sections

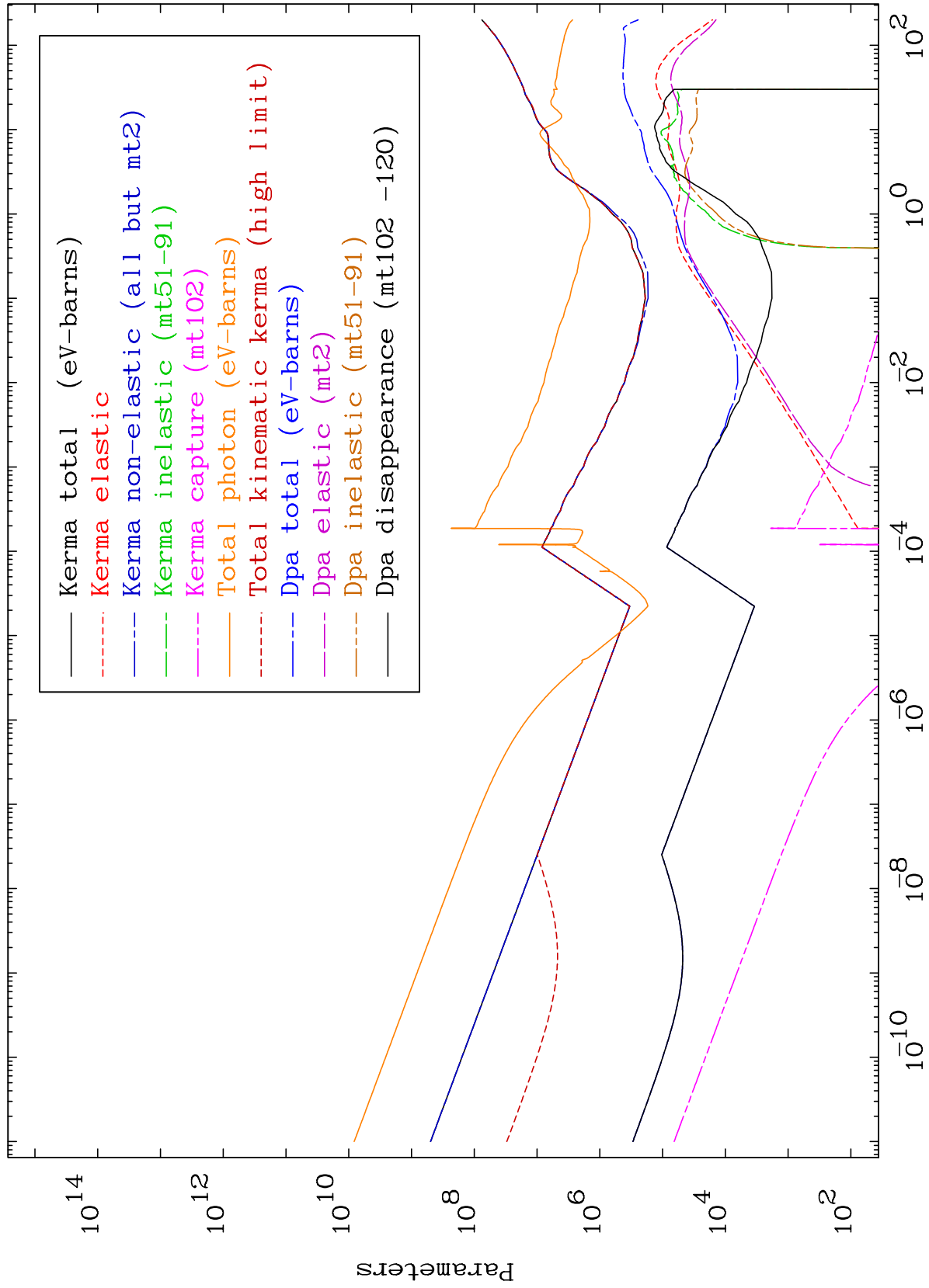
38-Sr-80



13

Incident Energy (MeV)

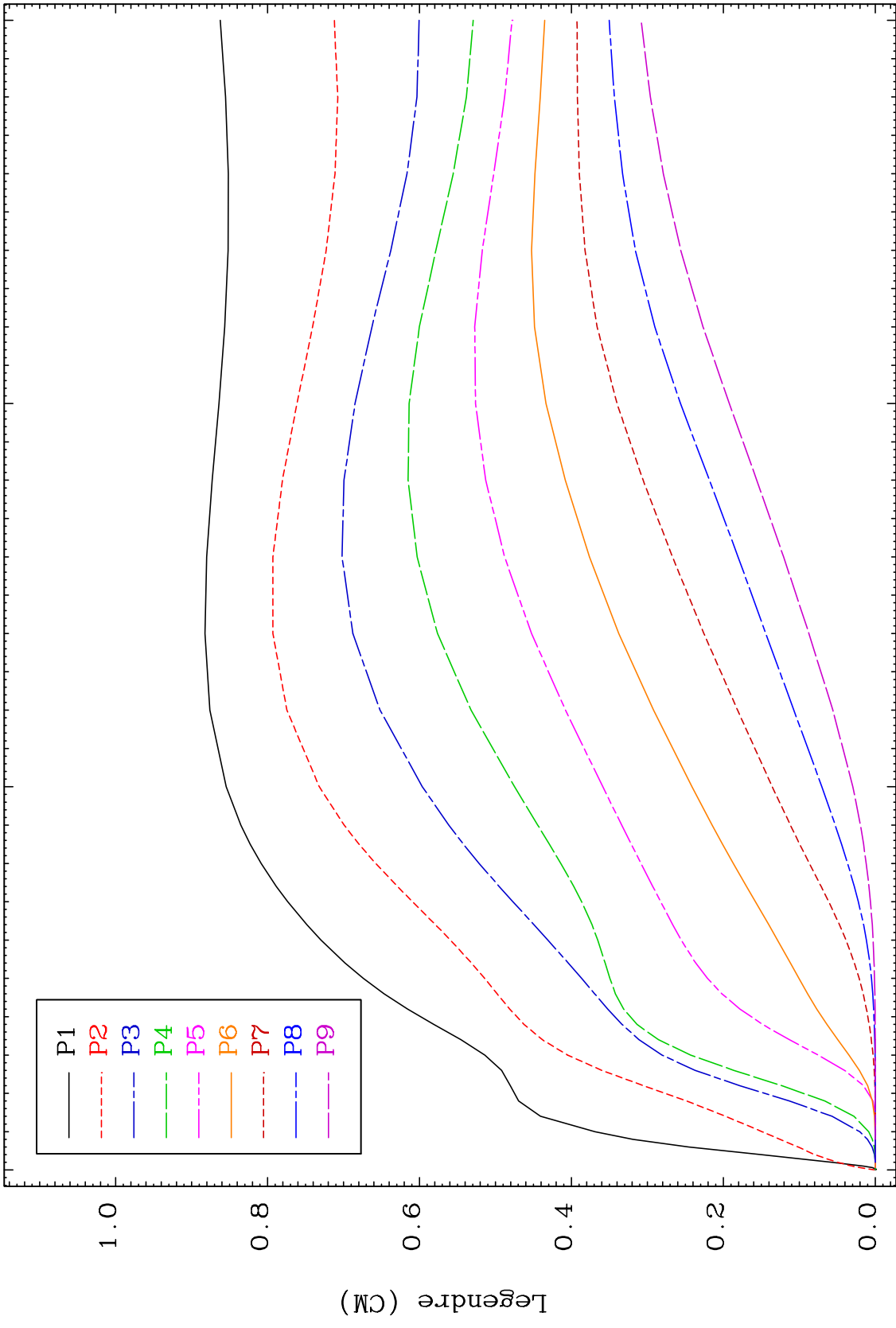
38-Sr-80



MAT 3813

Elastic Legendre Coefficients

³⁸Sr-80



15

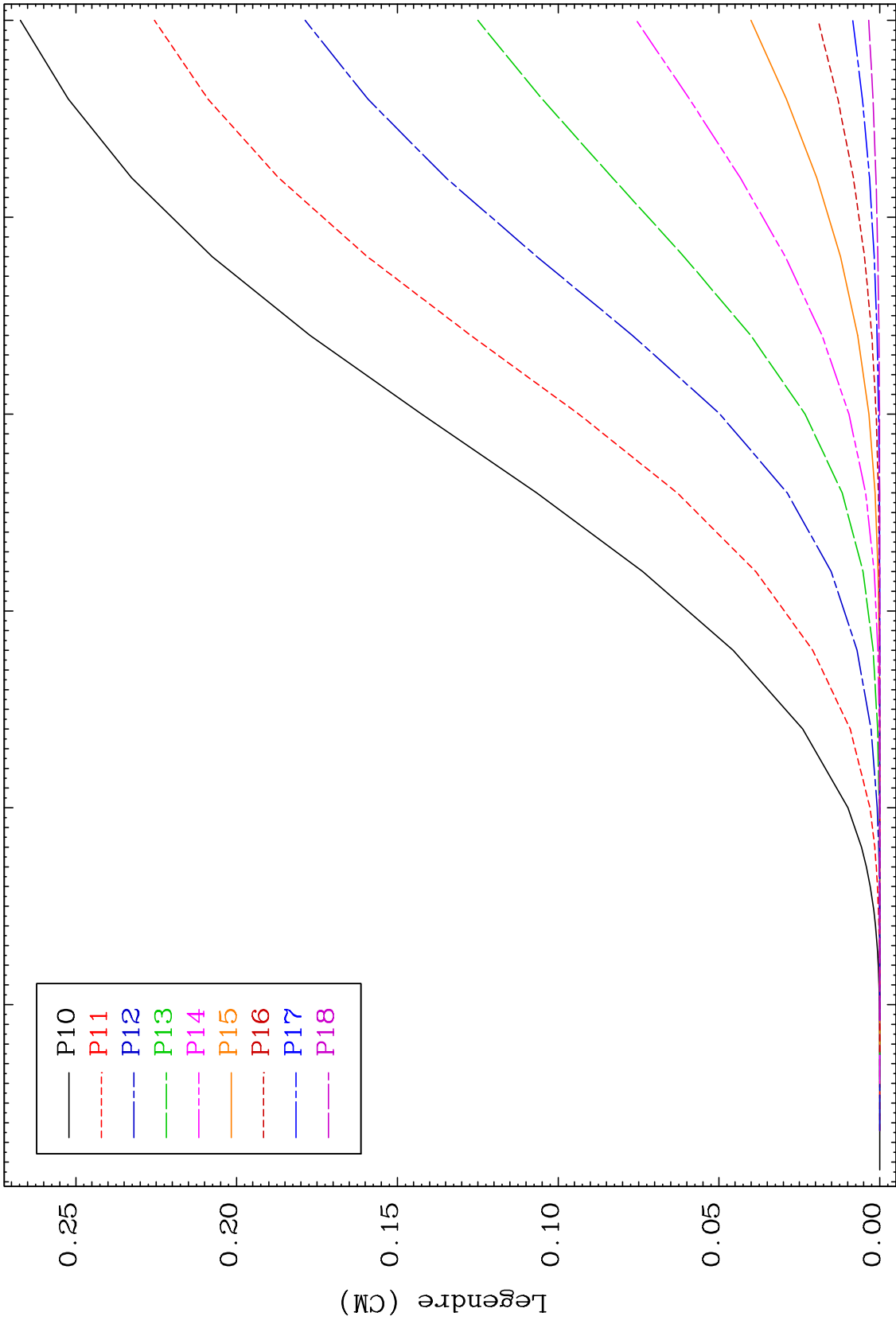
Incident Energy (MeV)

³⁸Sr-80

MAT 3813

Elastic Legendre Coefficients

38-Sr-80



16

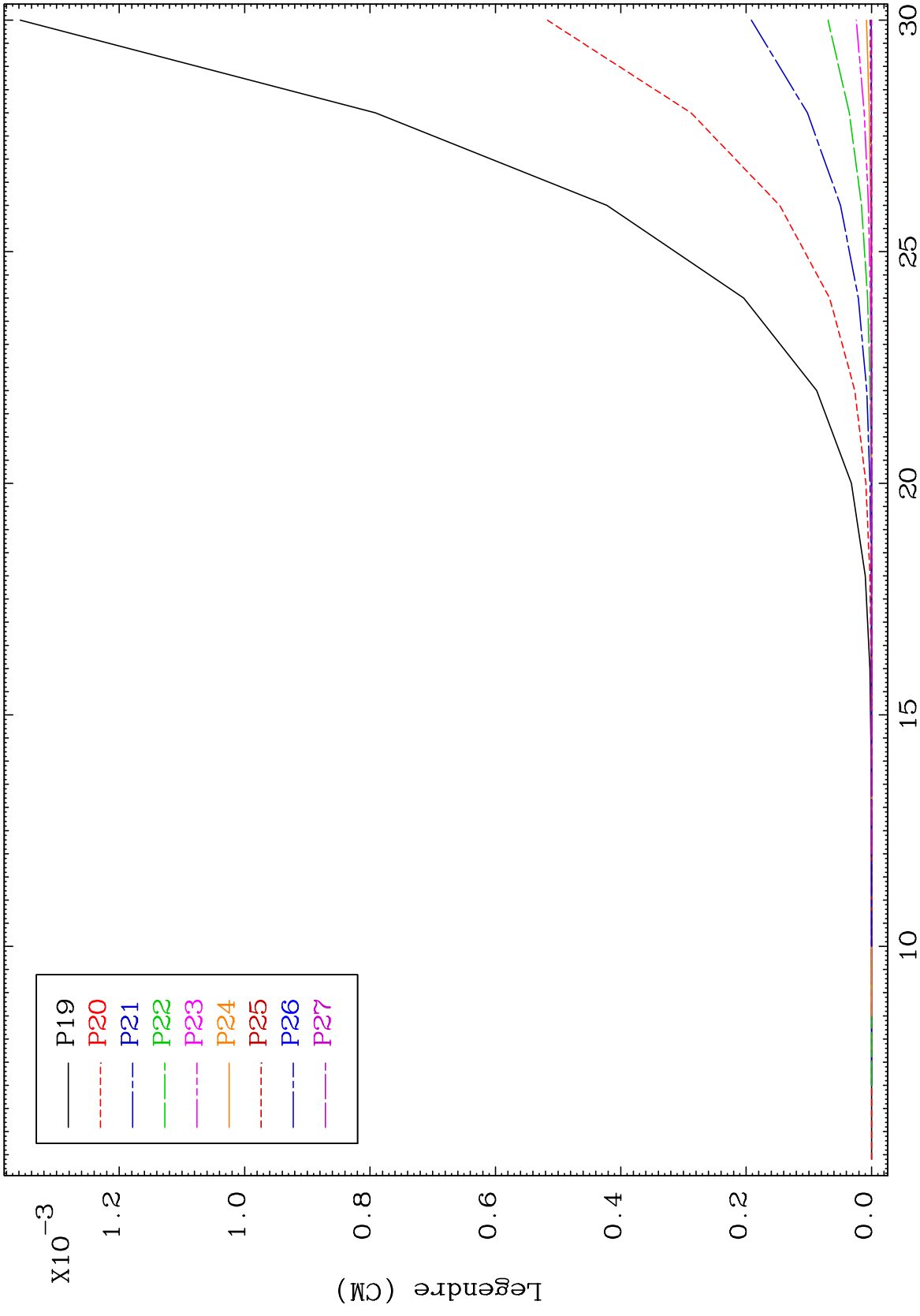
Incident Energy (MeV)

38-Sr-80

MAT 3813

Elastic Legendre Coefficients

38-Sr-80



17

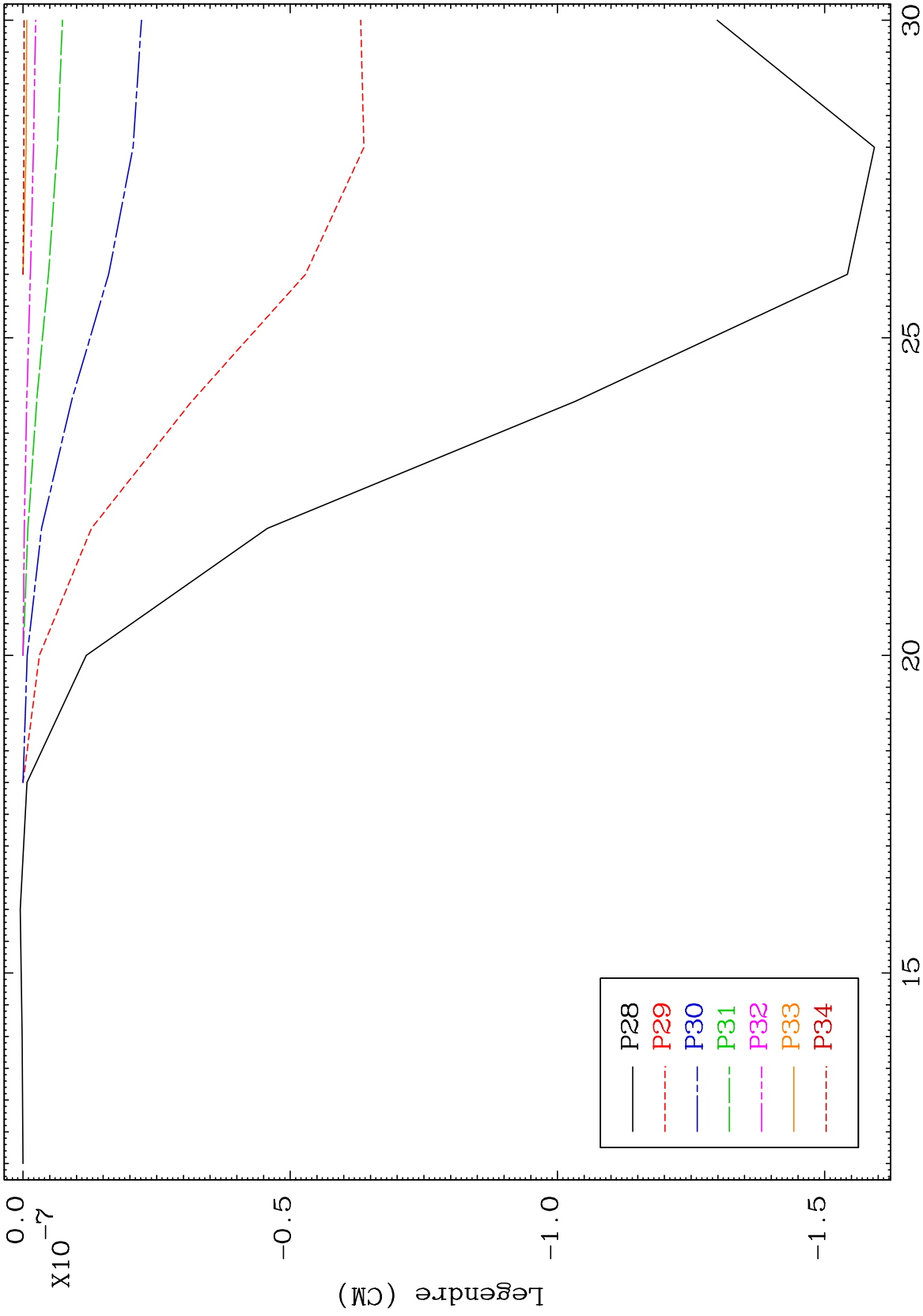
Incident Energy (MeV)

38-Sr-80

MAT 3813

38-Sr-80

Elastic Legendre Coefficients



18

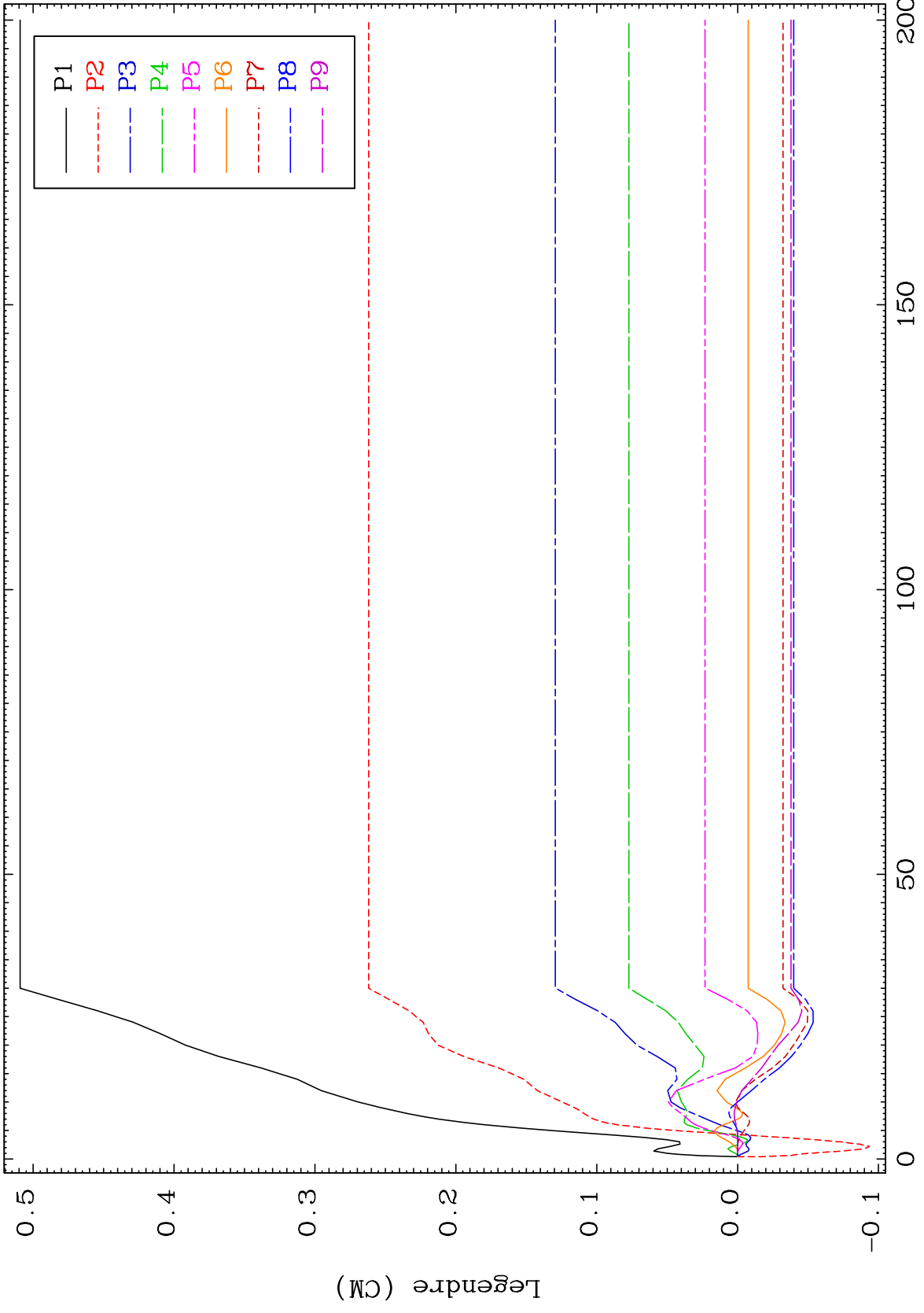
38-Sr-80

Incident Energy (MeV)

MAT 3813

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

38-Sr-80

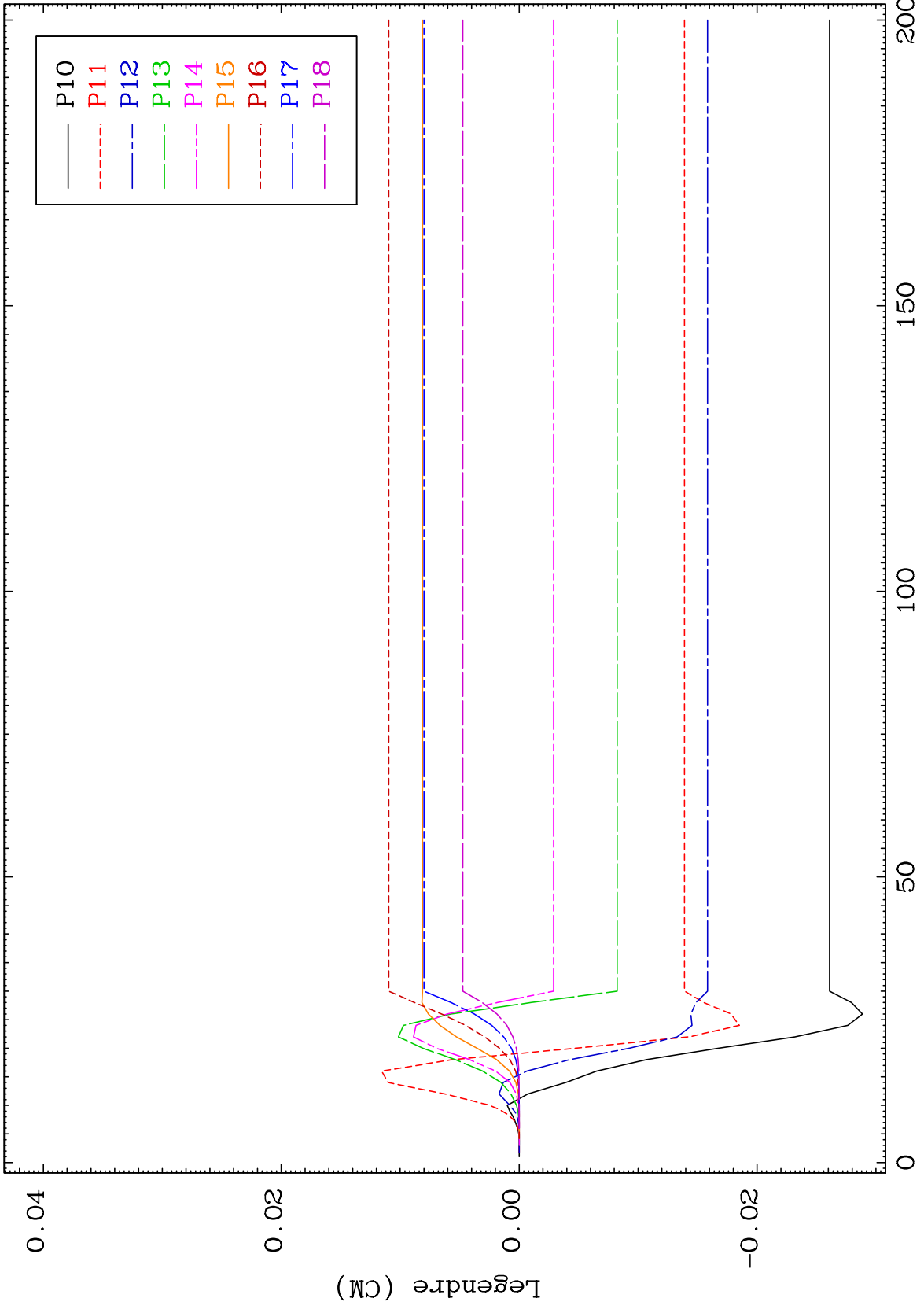


19

Incident Energy (MeV)

38-Sr-80

MAT 3813 MT= 51 (n,n') Level Legendre Coefficients 38-Sr-80

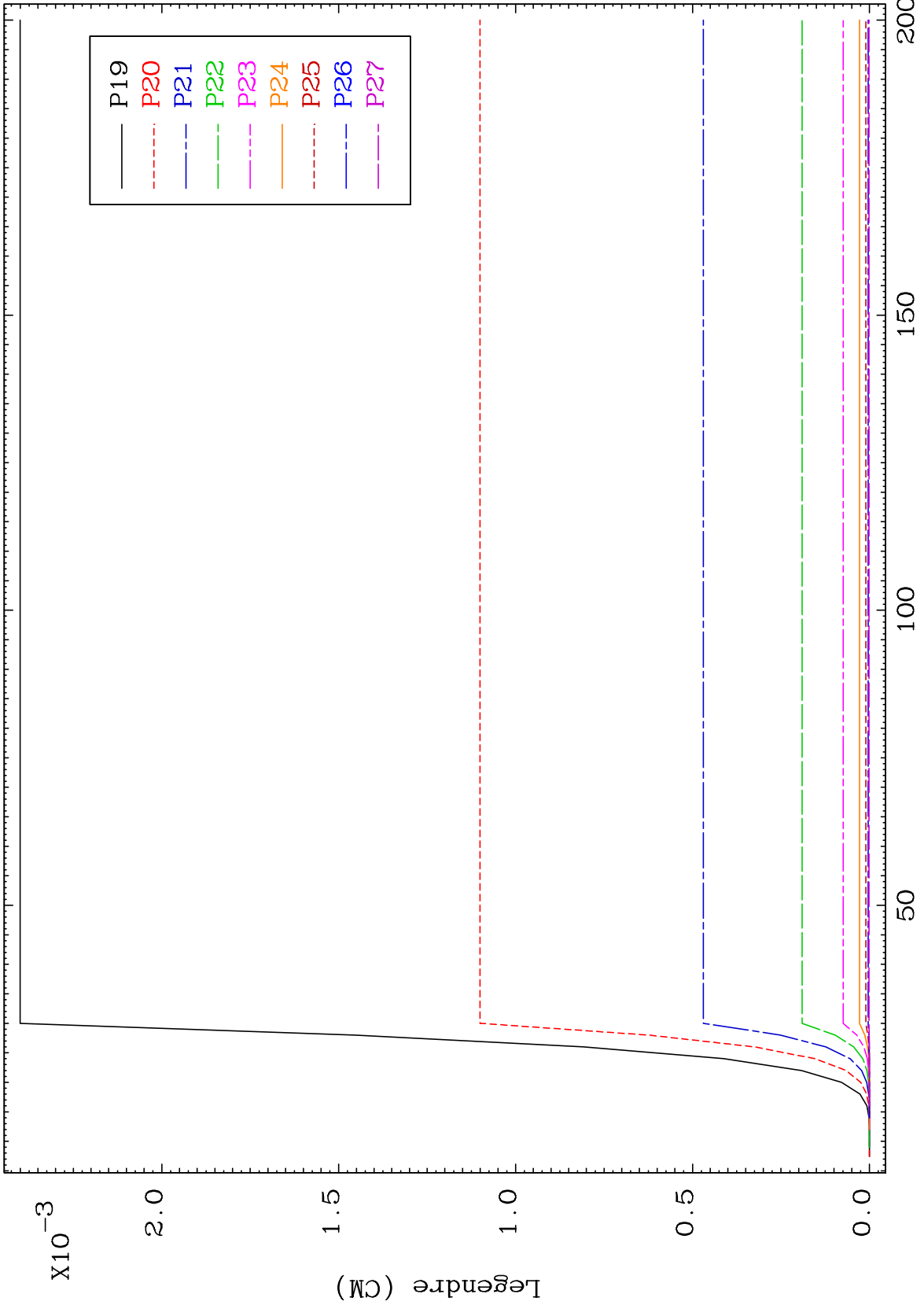


38-Sr-80

MAT 3813

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

38-Sr-80



21

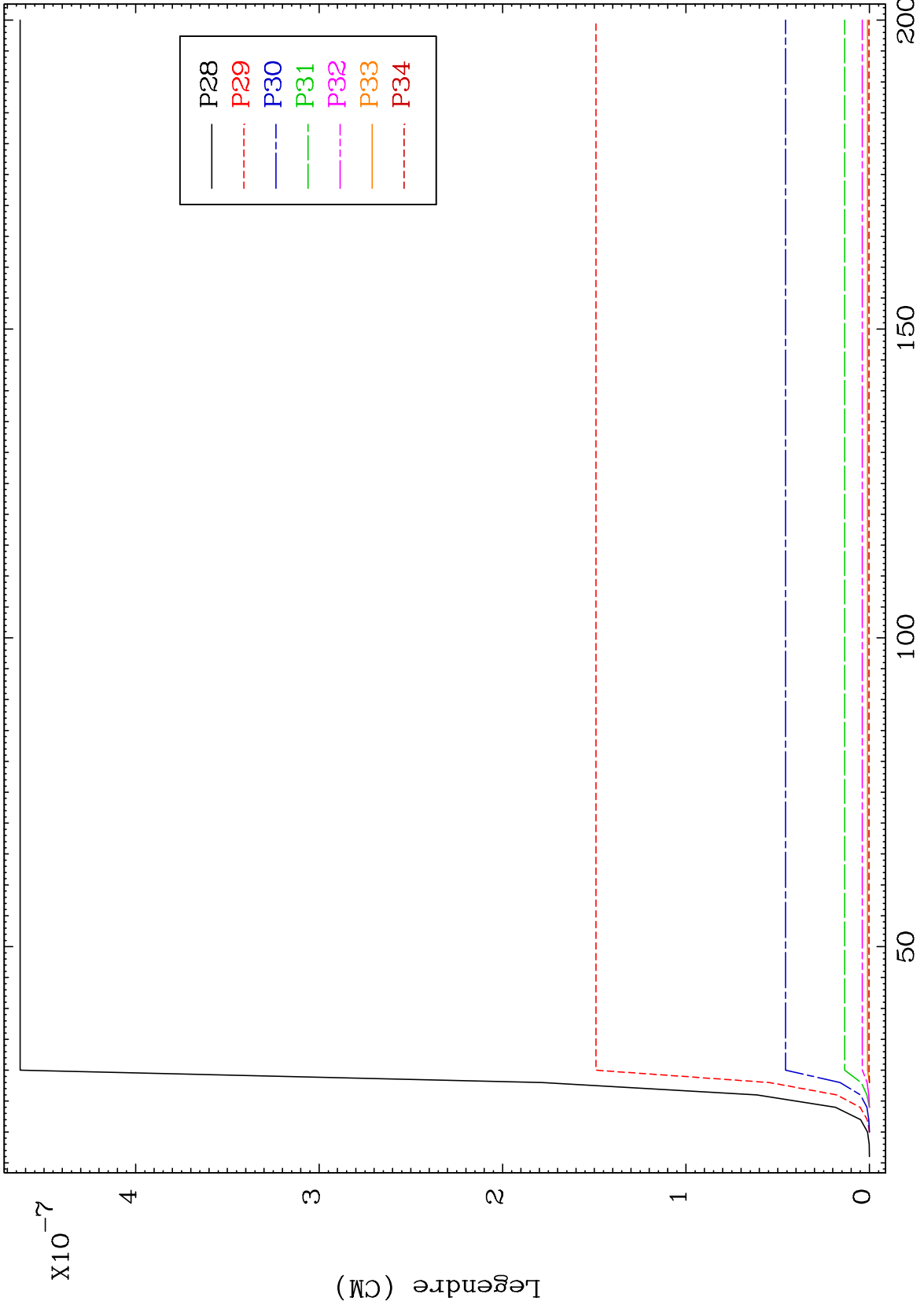
Incident Energy (MeV)

38-Sr-80

MAT 3813

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

38-Sr-80



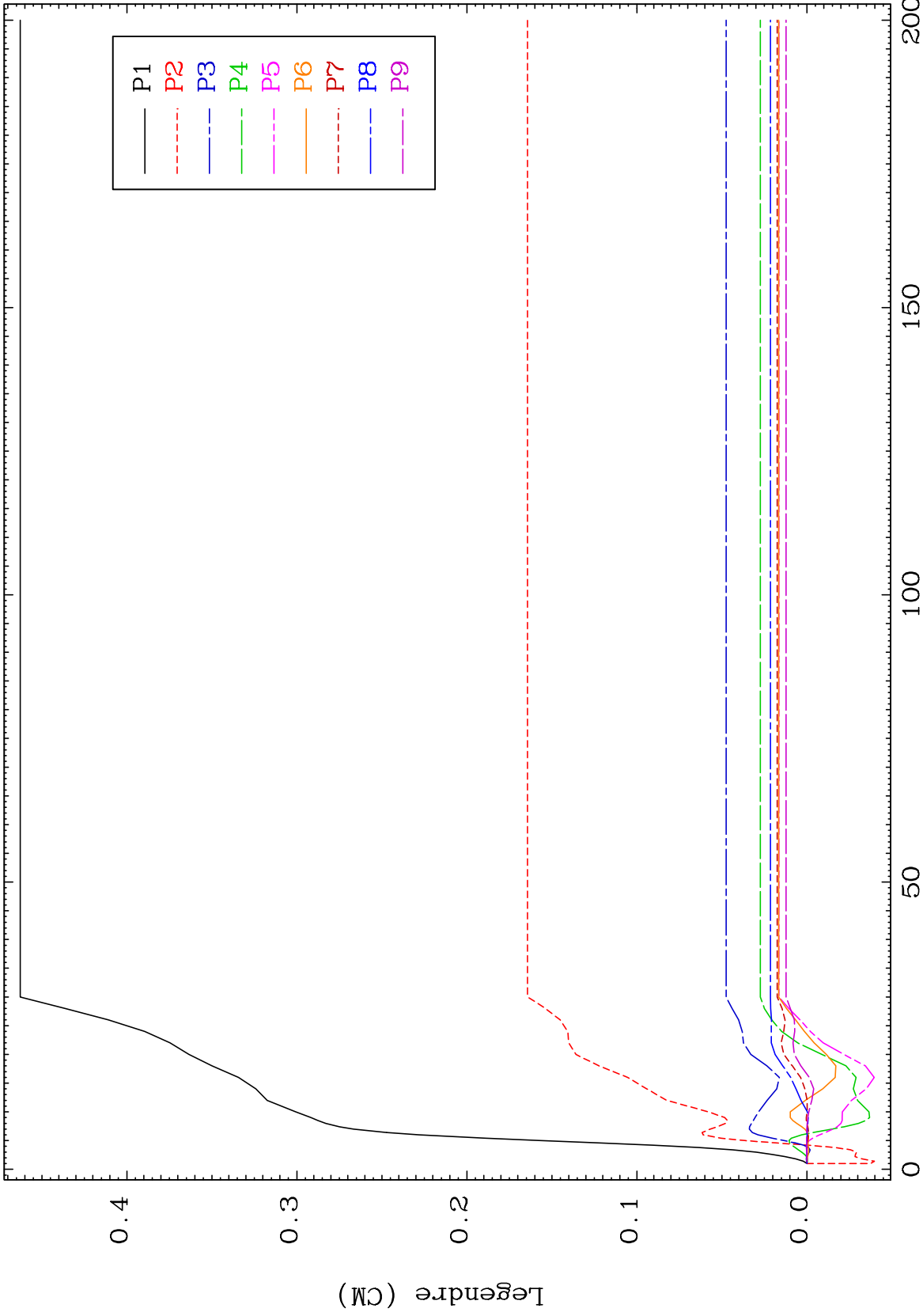
22

38-Sr-80

MAT 3813

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

38-Sr-80



23

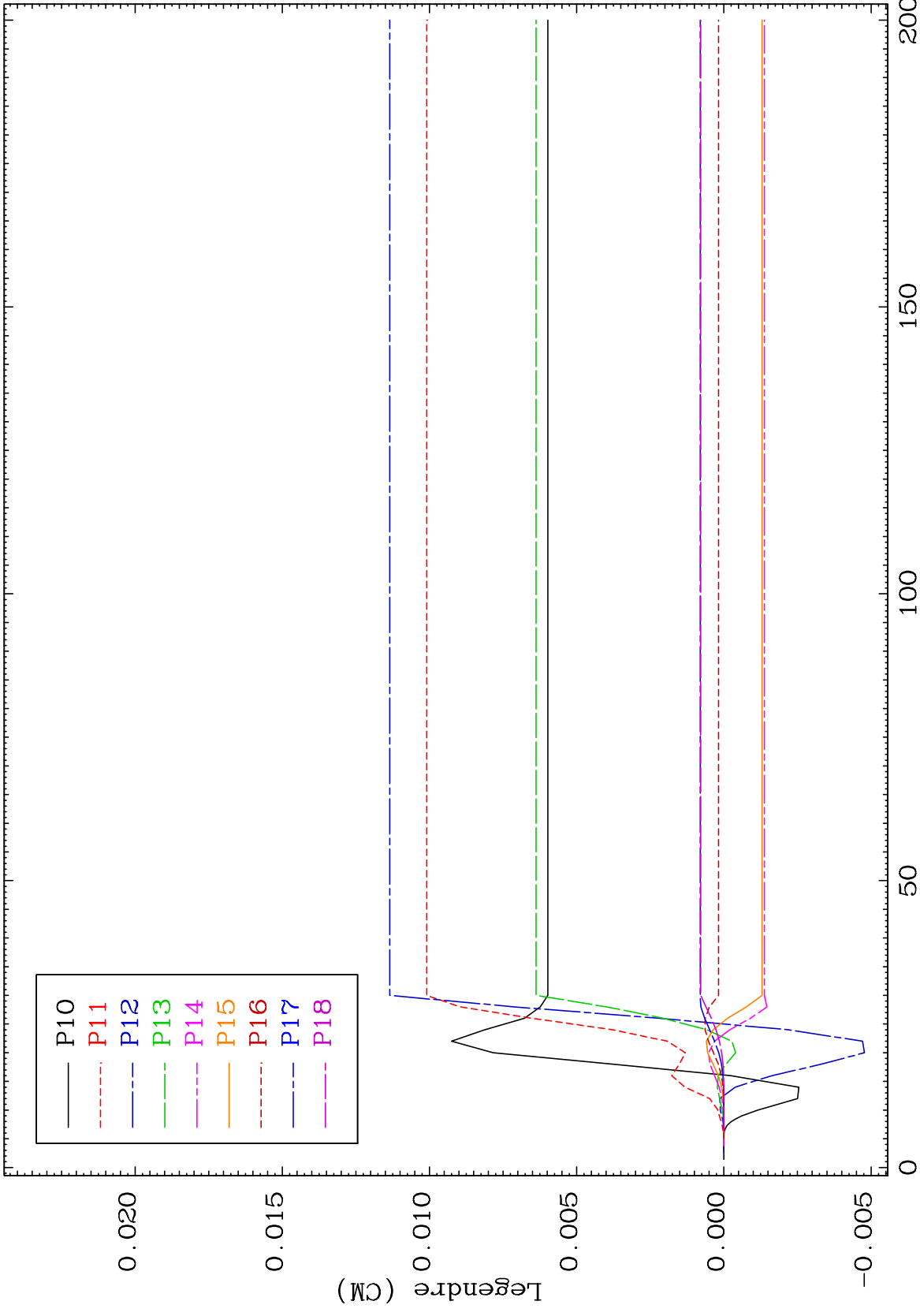
Incident Energy (MeV)

38-Sr-80

MAT 3813

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

38-Sr-80



24

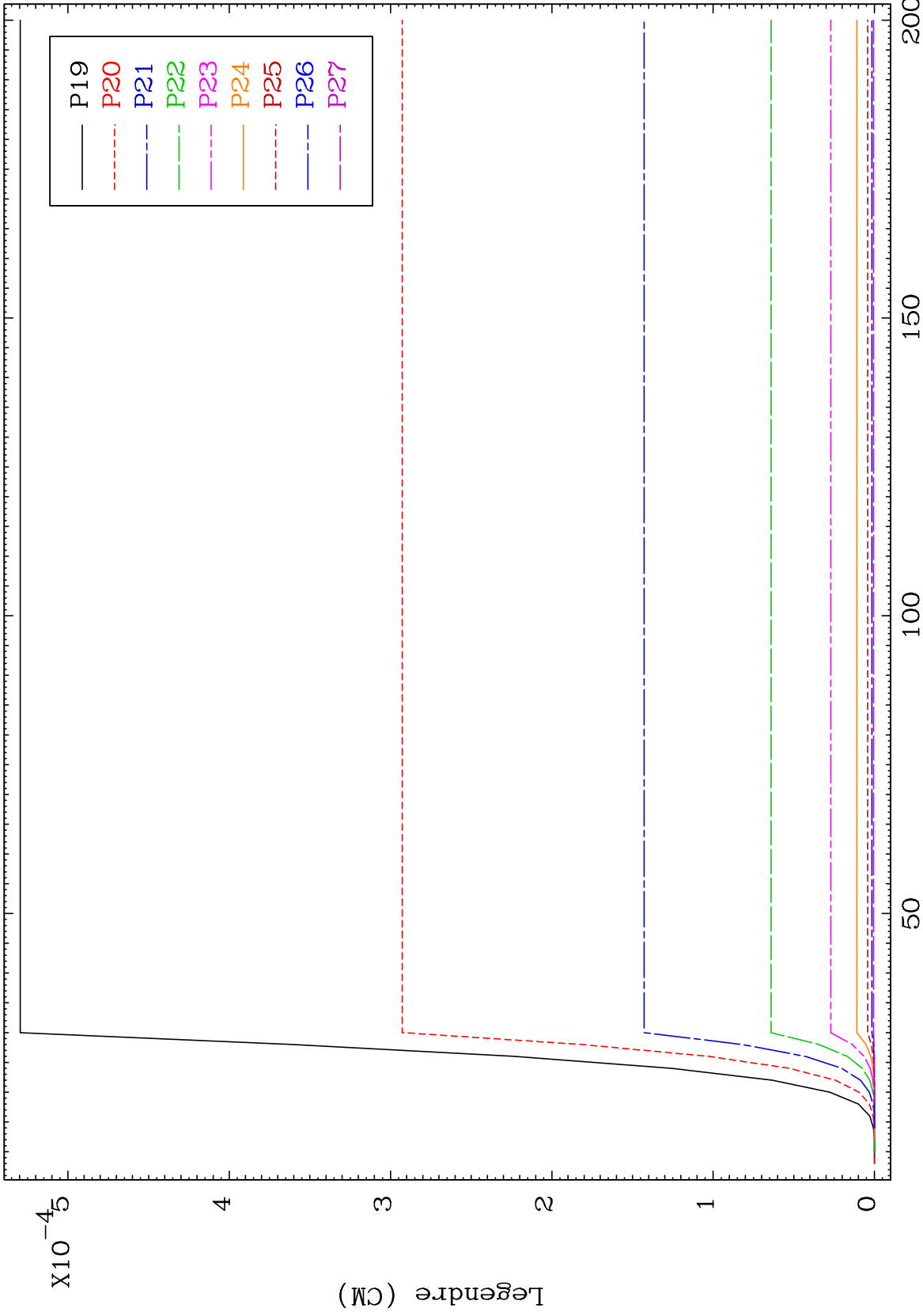
Incident Energy (MeV)

38-Sr-80

MAT 3813

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

38-Sr-80



25

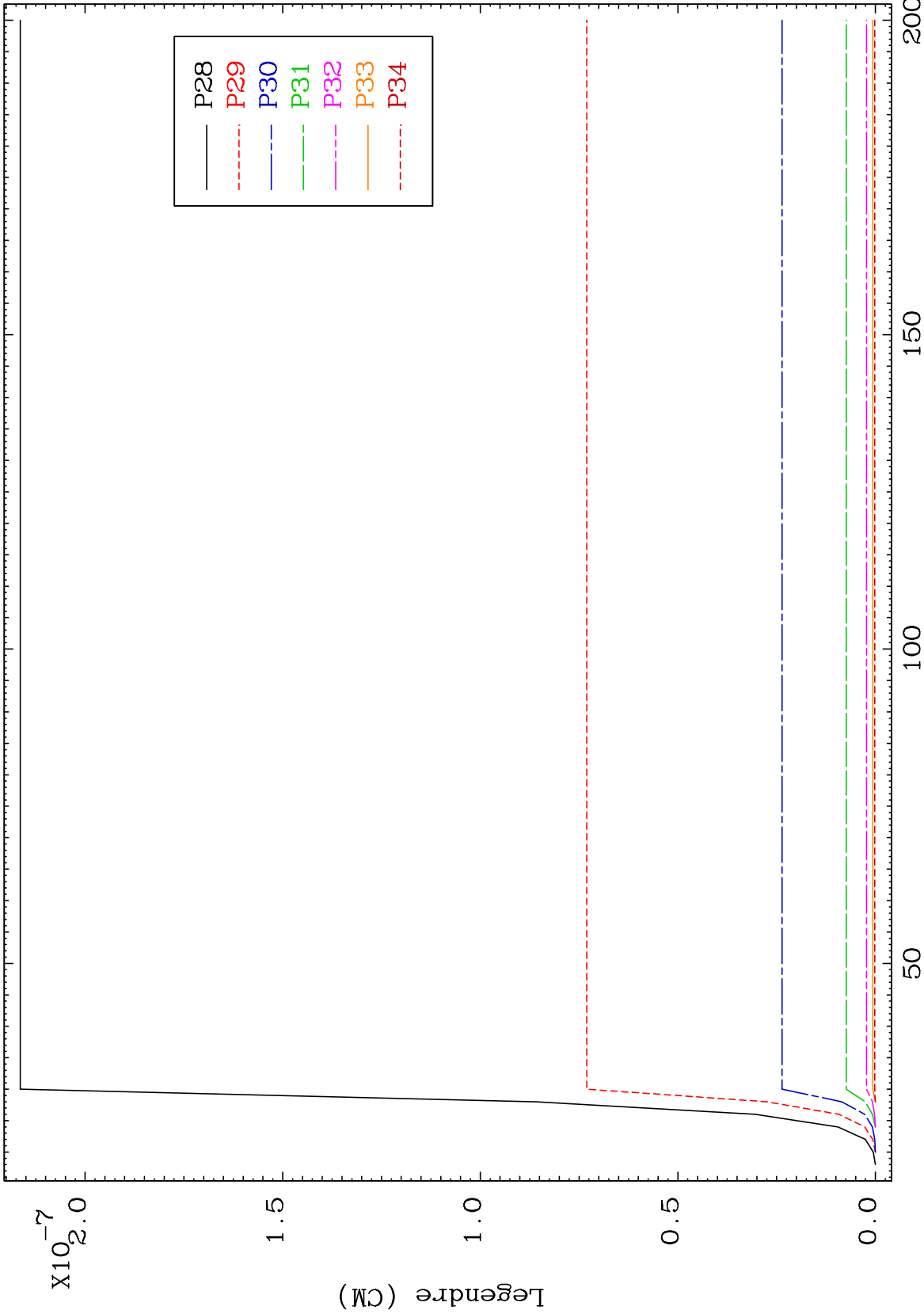
Incident Energy (MeV)

38-Sr-80

MAT 3813

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

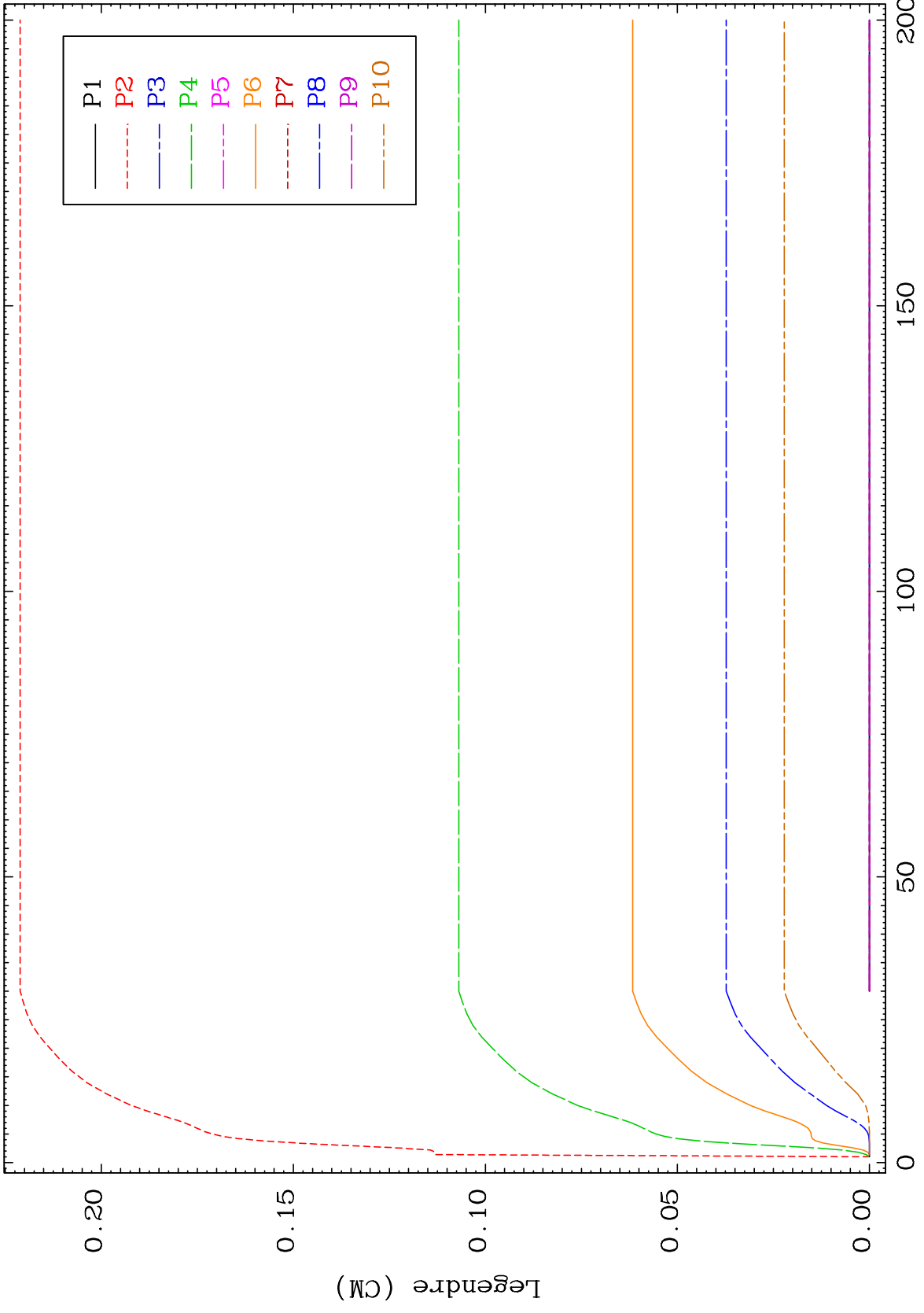
38-Sr-80



26

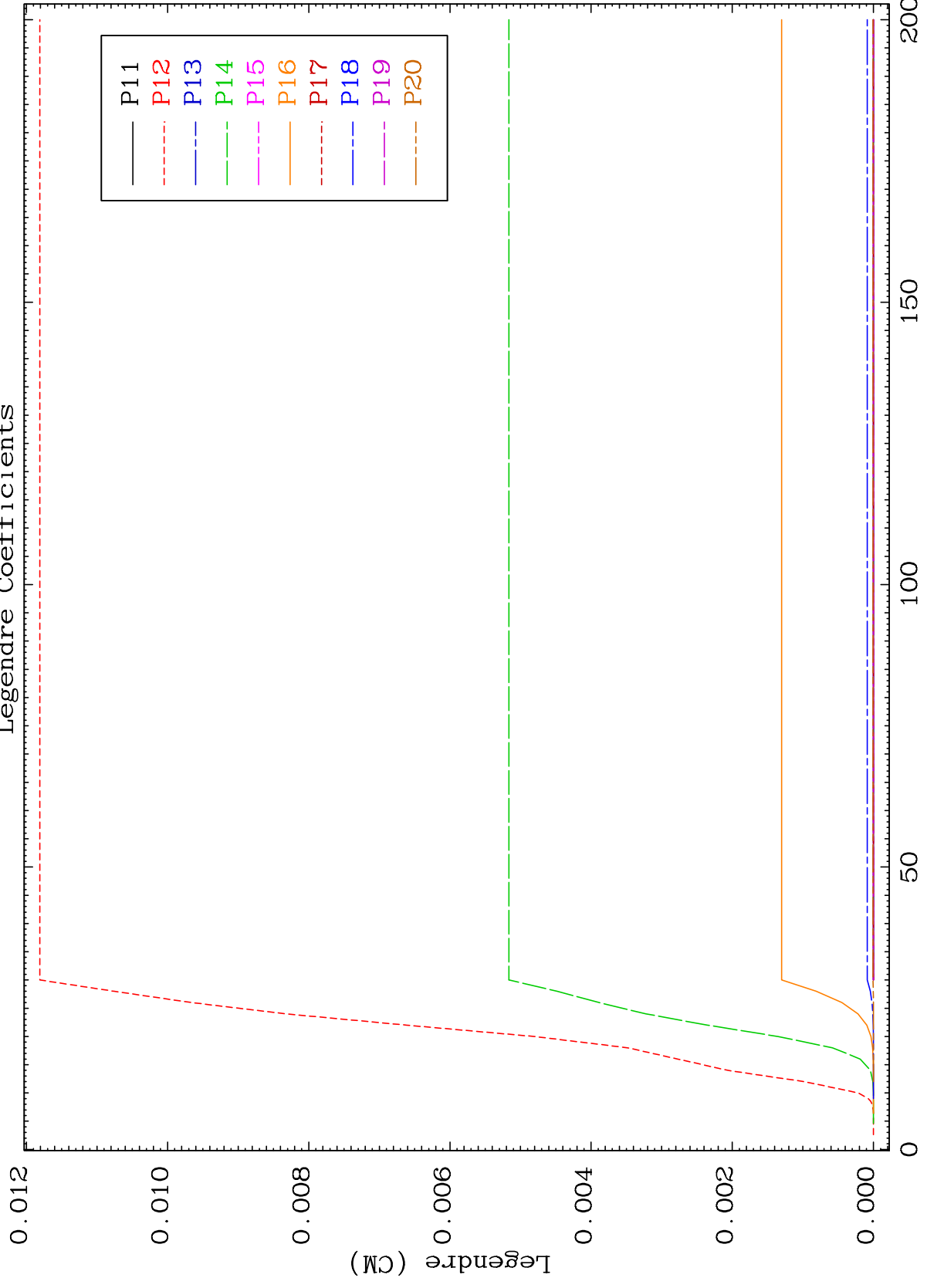
38-Sr-80

MAT 3813 MT= 53 (n,n') Level Legendre Coefficients 38-Sr-80



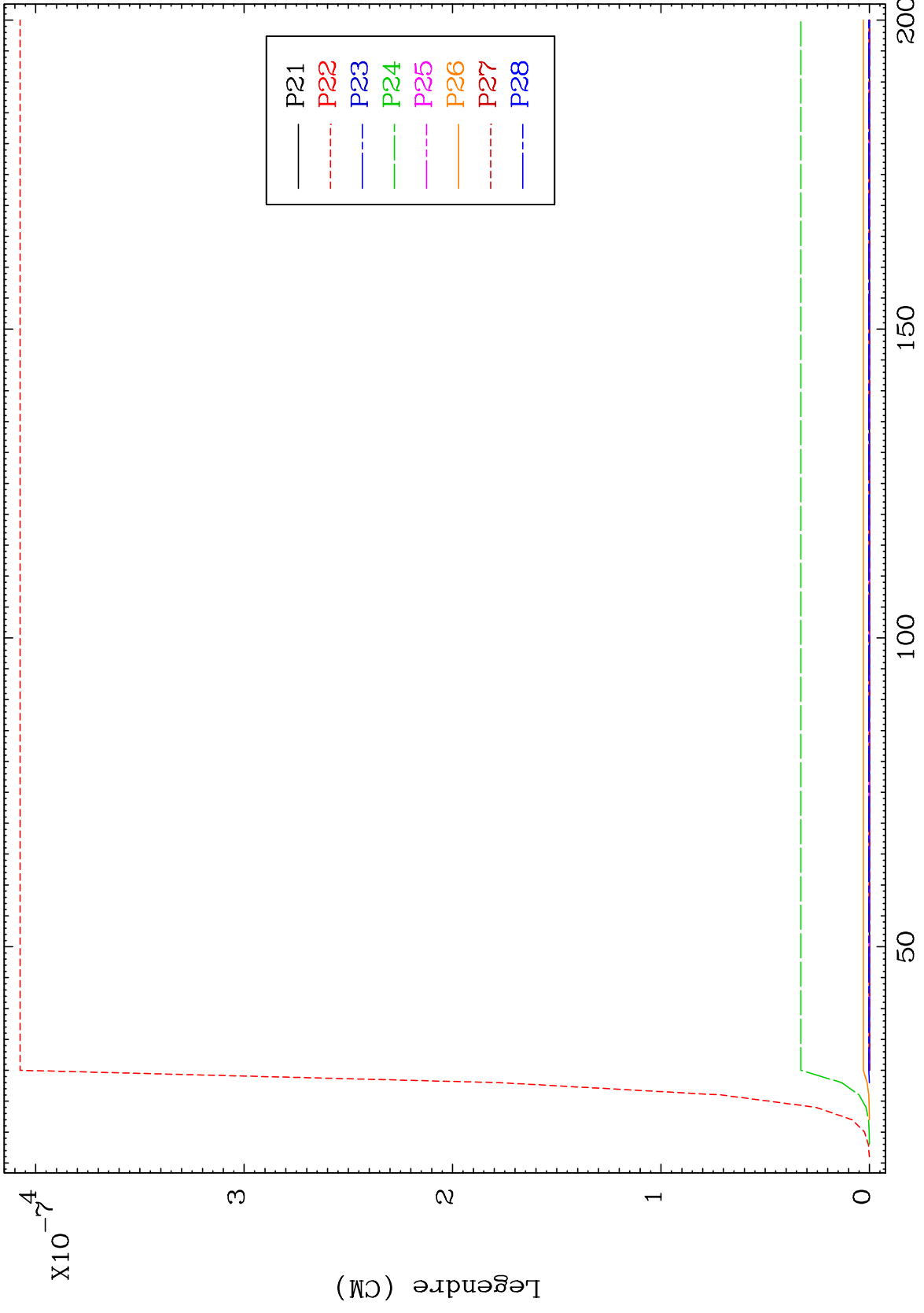
27 Incident Energy (MeV) 38-Sr-80

MAT 3813 MT= 53 (n,n') Level Legendre Coefficients 38-Sr-80



38-Sr-80

MAT 3813 MT= 53 (n,n') Level Legendre Coefficients 38-Sr-80

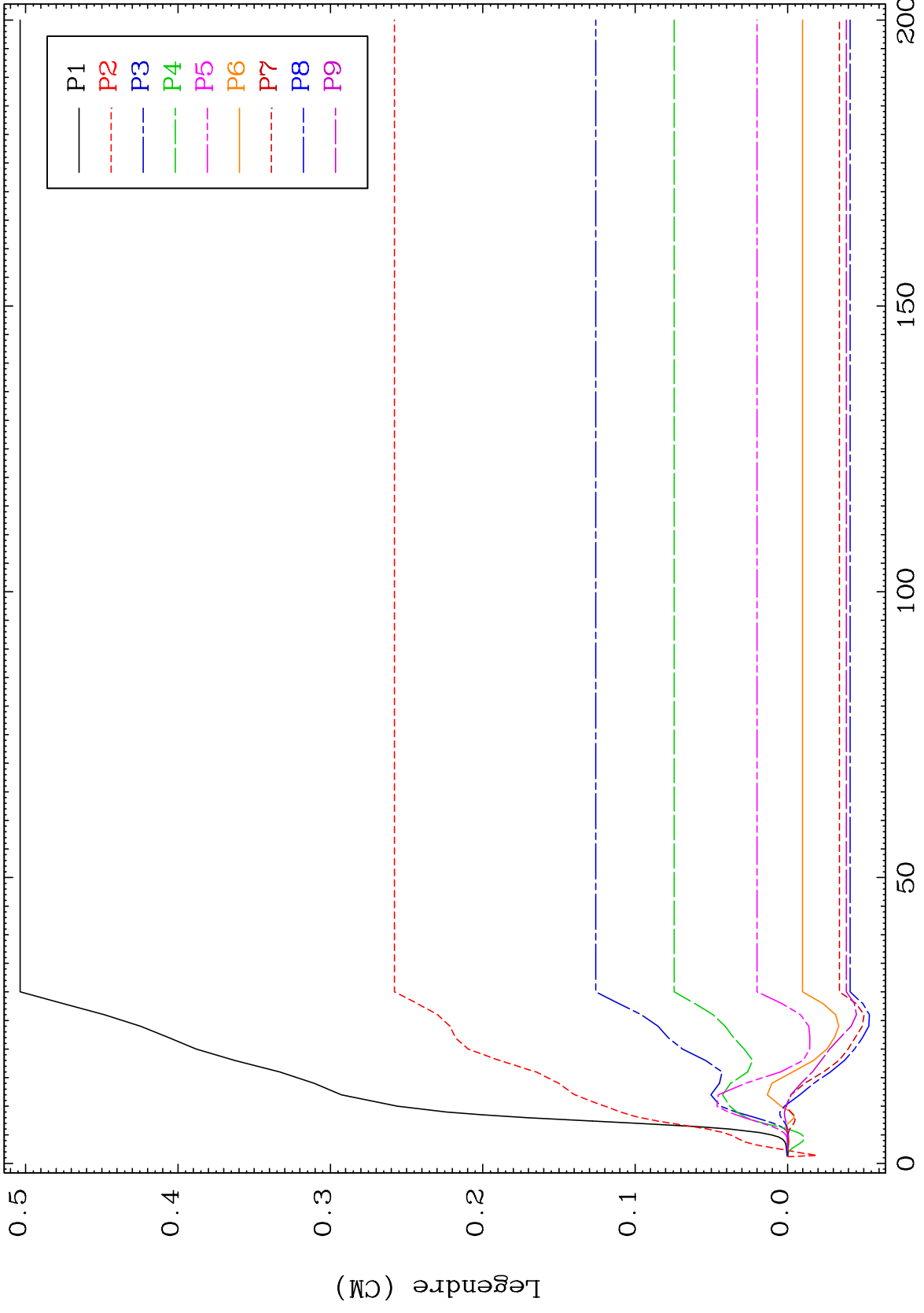


29 Incident Energy (MeV) 38-Sr-80

MAT 3813

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

38-Sr-80



38-Sr-80

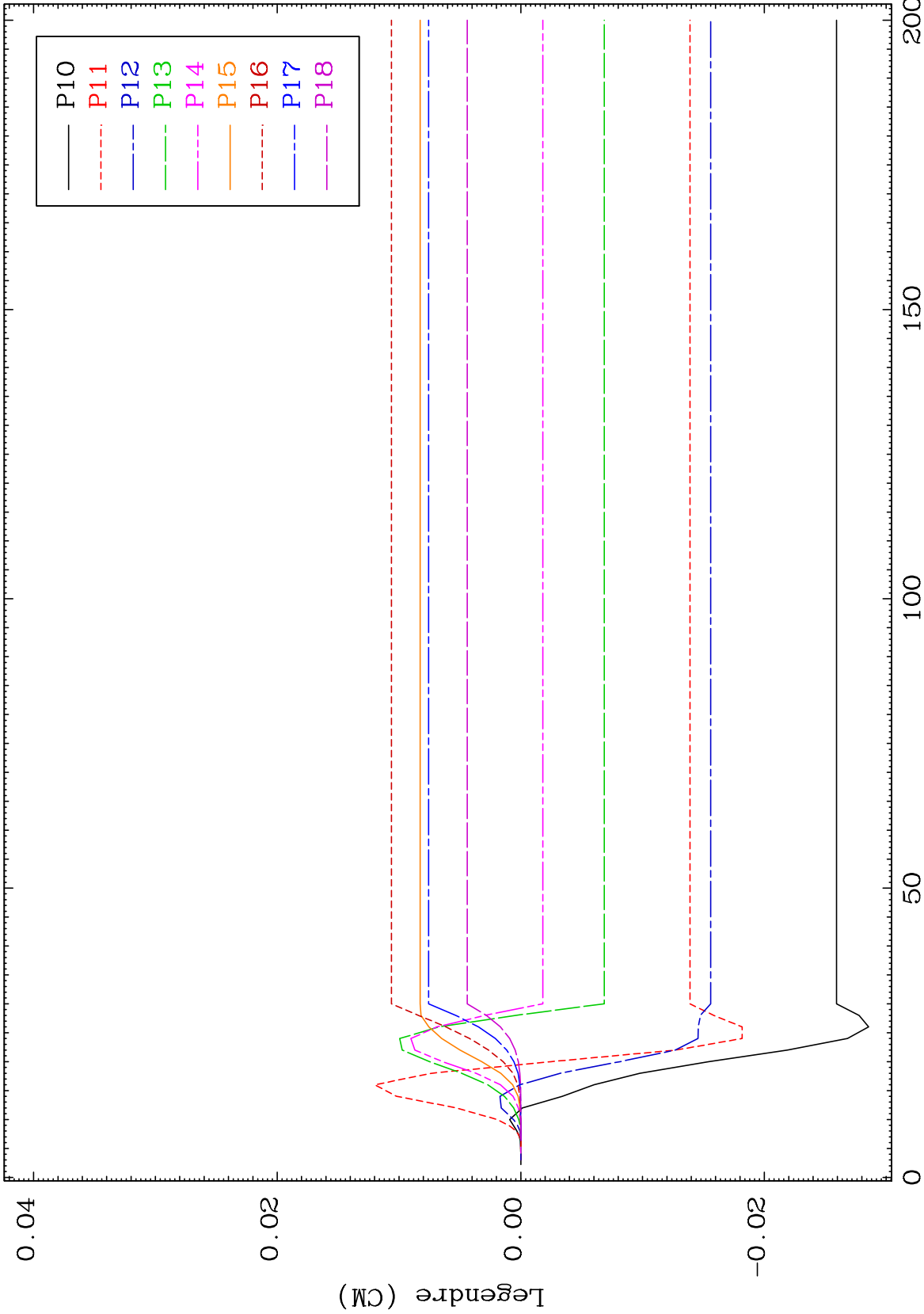
Incident Energy (MeV)

30

MAT 3813

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

38-Sr-80



31

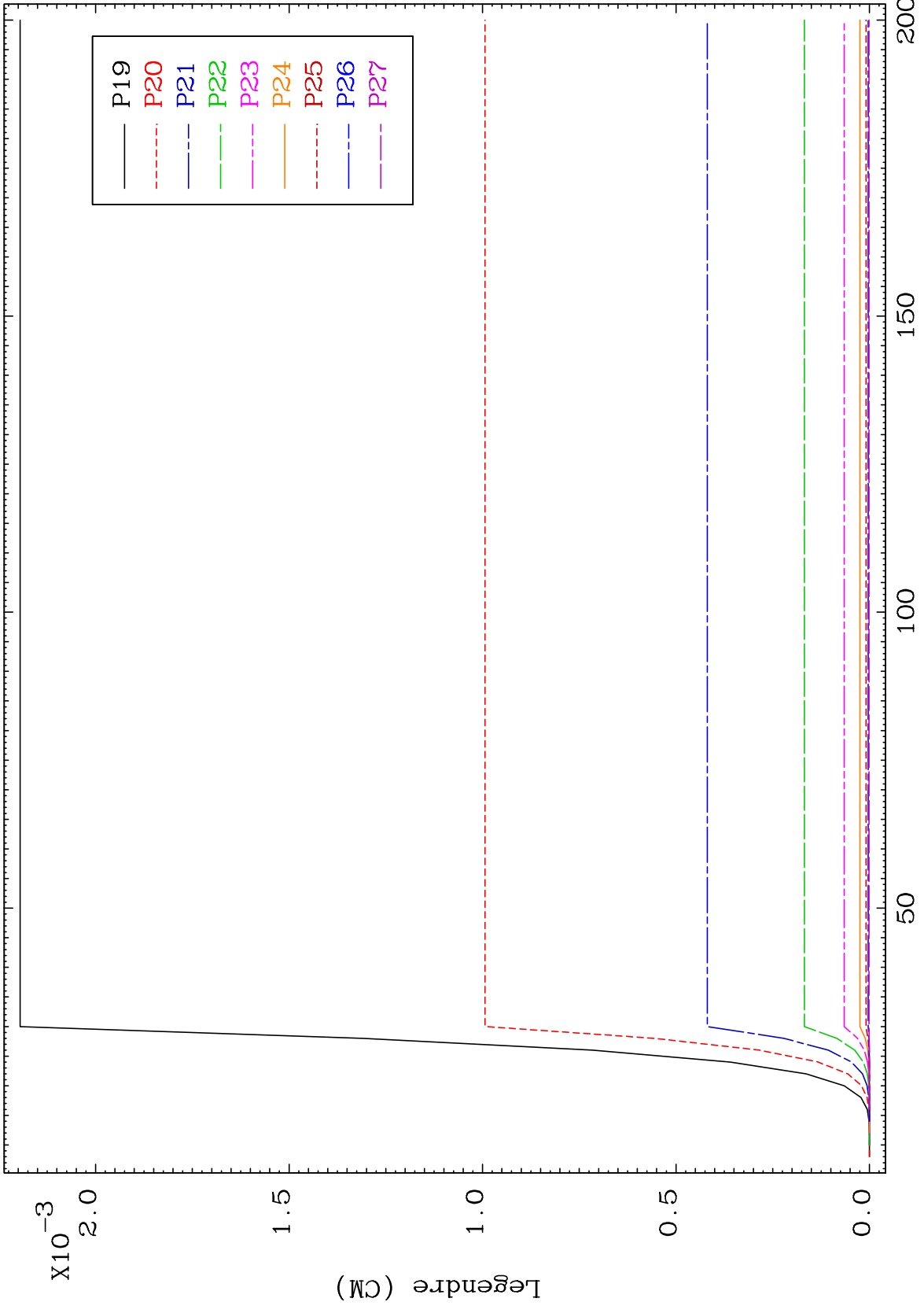
Incident Energy (MeV)

38-Sr-80

MAT 3813

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

38-Sr-80



32

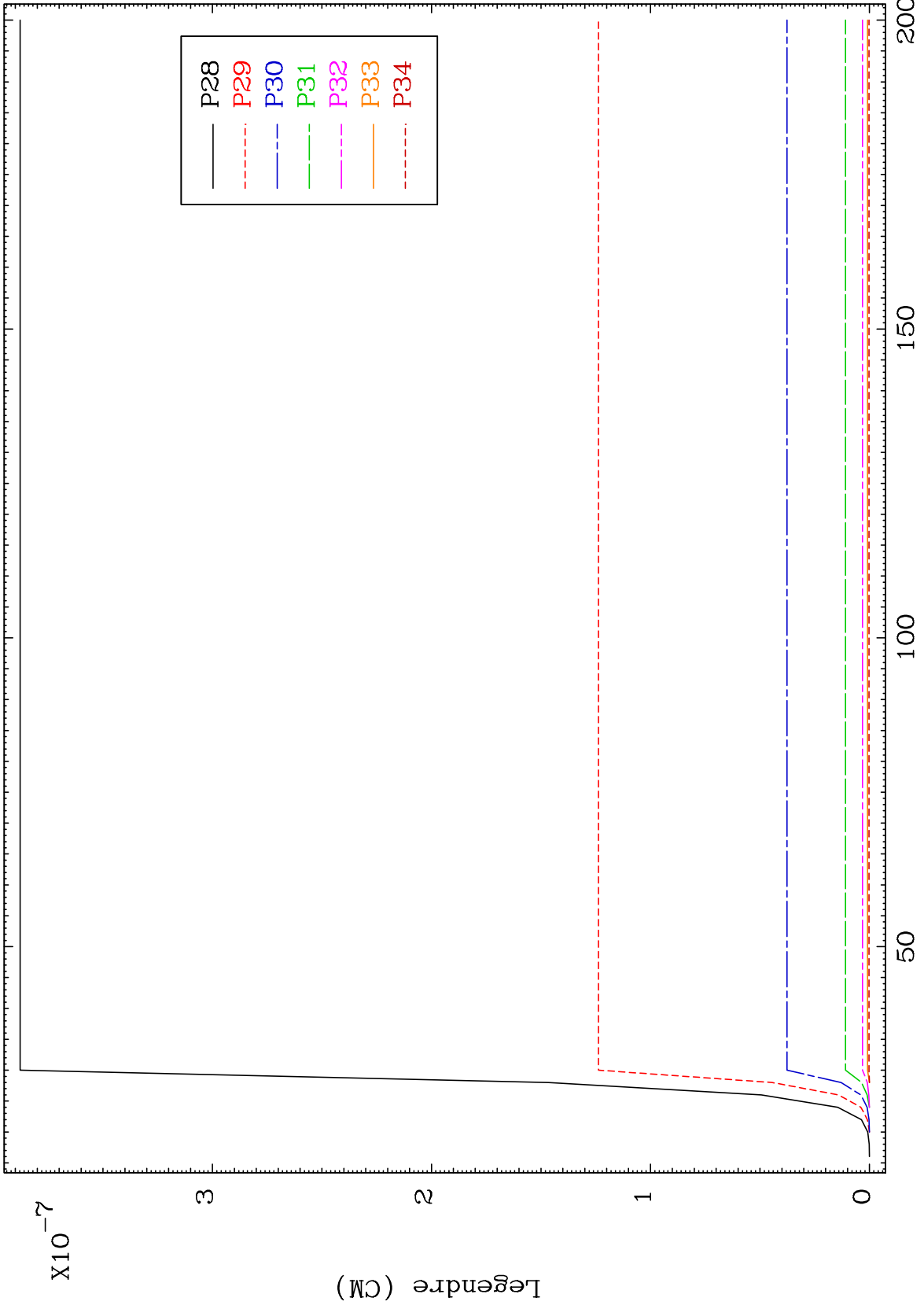
Incident Energy (MeV)

38-Sr-80

MAT 3813

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

38-Sr-80

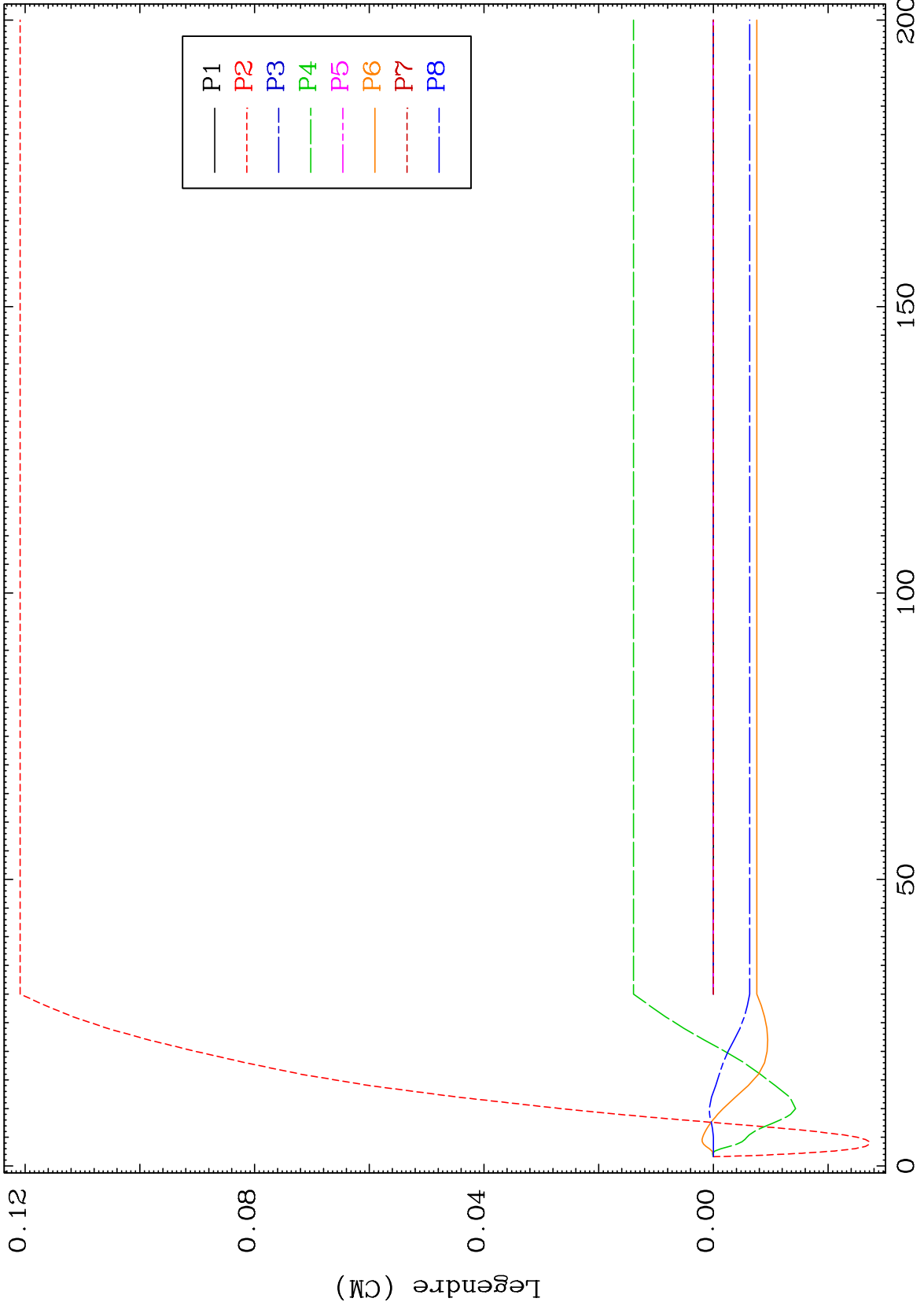


33

Incident Energy (MeV)

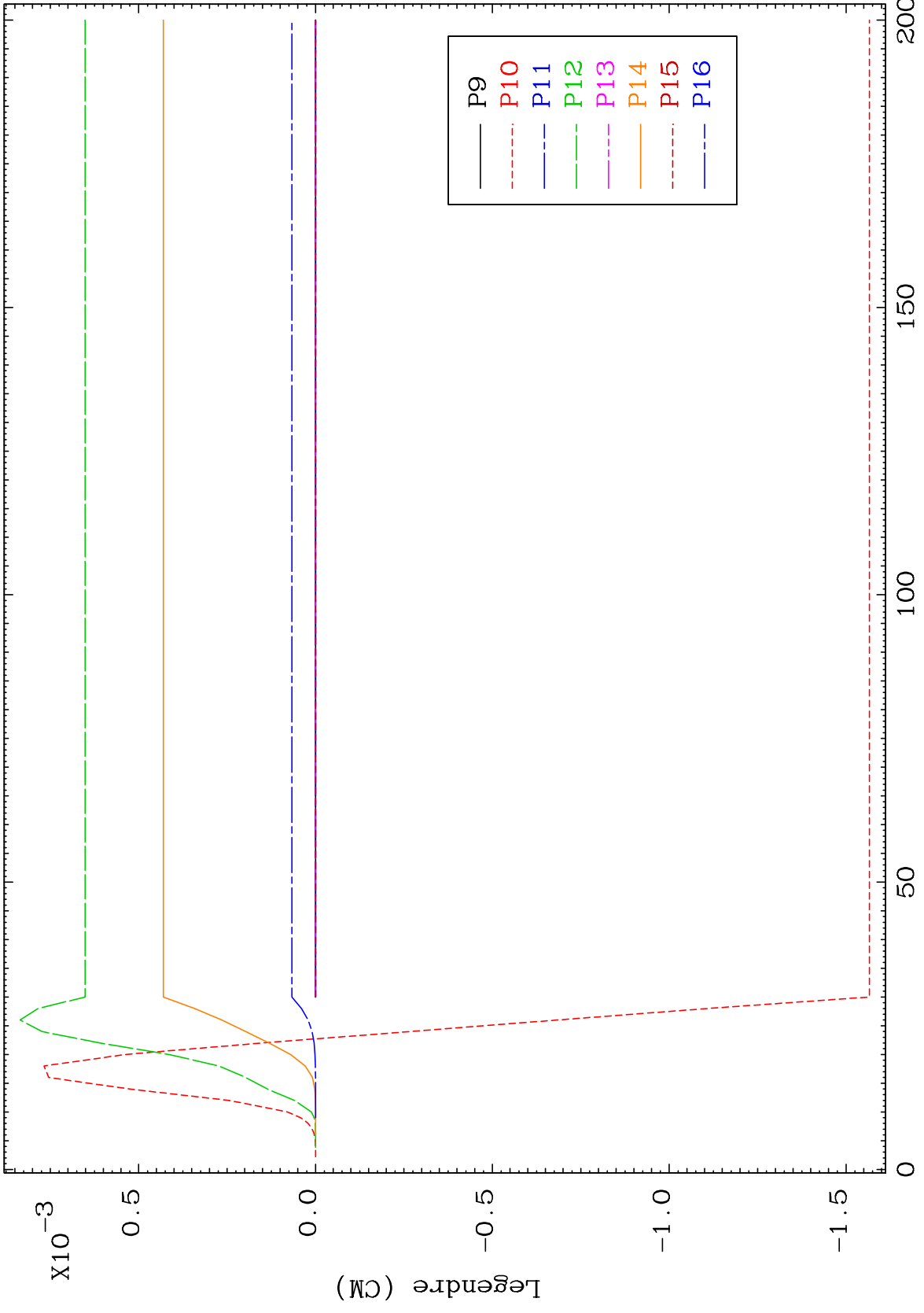
38-Sr-80

MAT 3813 MT= 55 (n,n') Level Legendre Coefficients 38-Sr-80



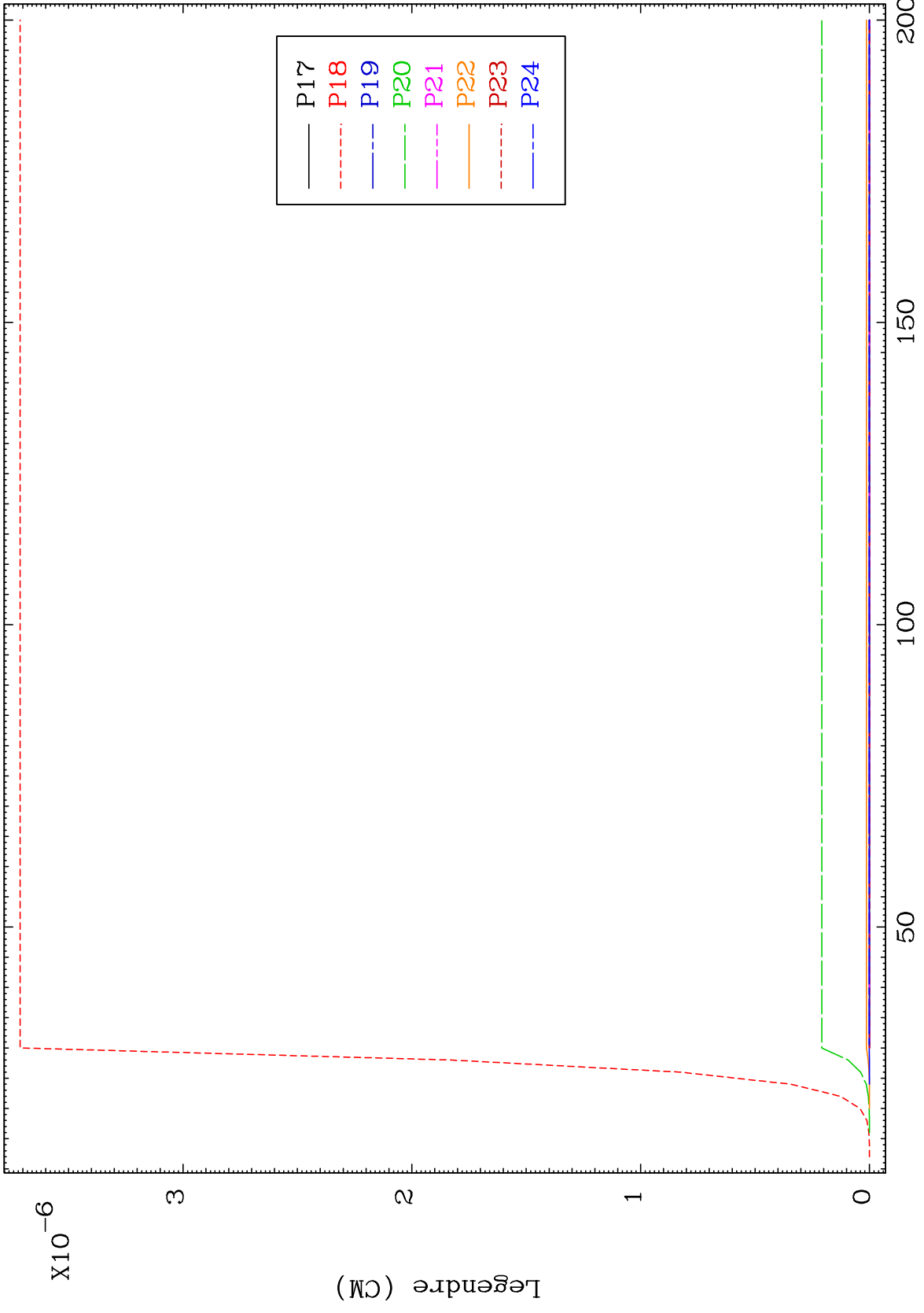
34 38-Sr-80

MAT 3813 MT= 55 (n,n') Level Legendre Coefficients 38-Sr-80



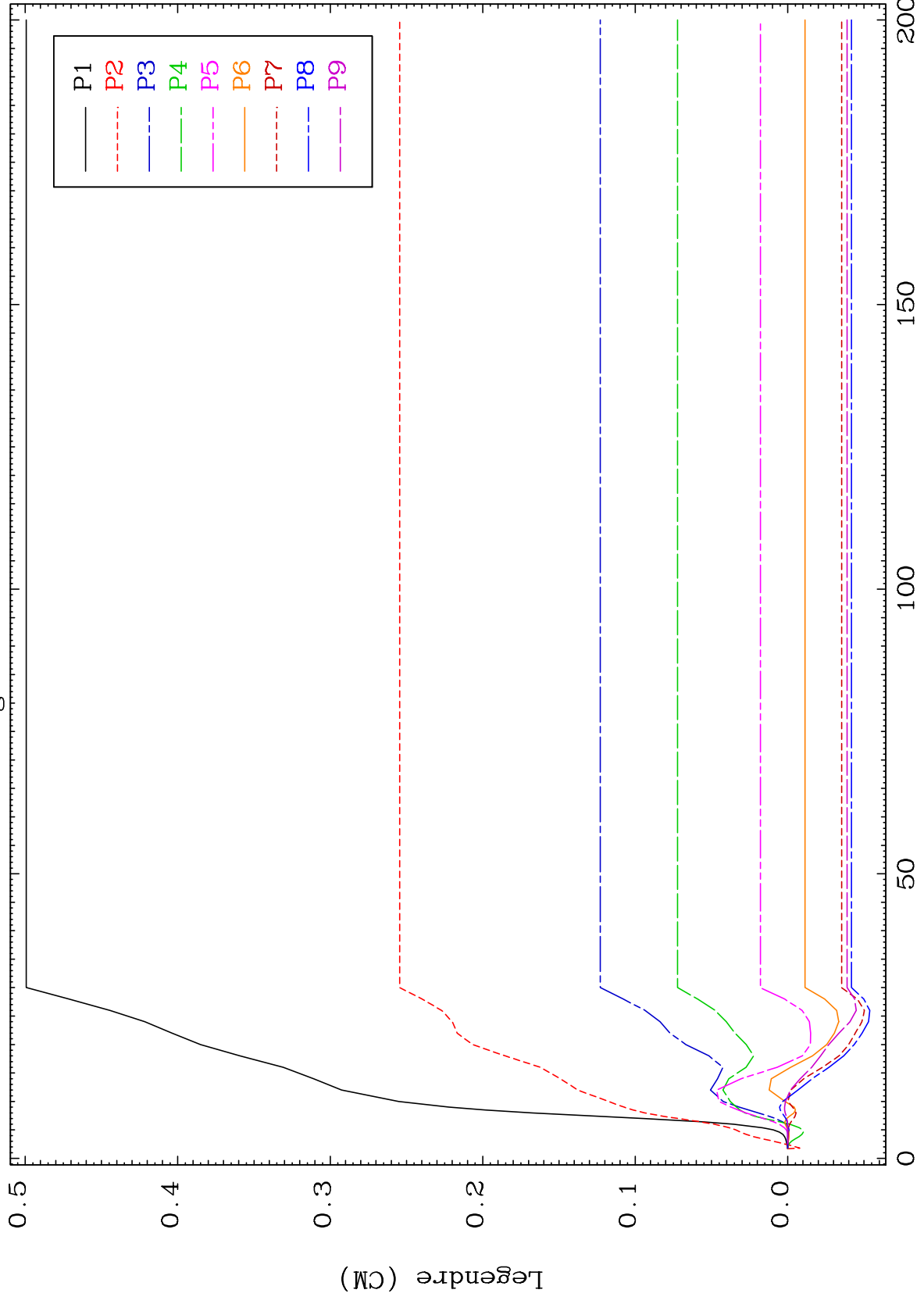
35 50 100 150 200 38-Sr-80

MAT 3813 MT= 55 (n,n') Level Legendre Coefficients 38-Sr-80



36 Incident Energy (MeV) 38-Sr-80

MAT 3813 MT= 56 (n,n') Level Legendre Coefficients 38-Sr-80

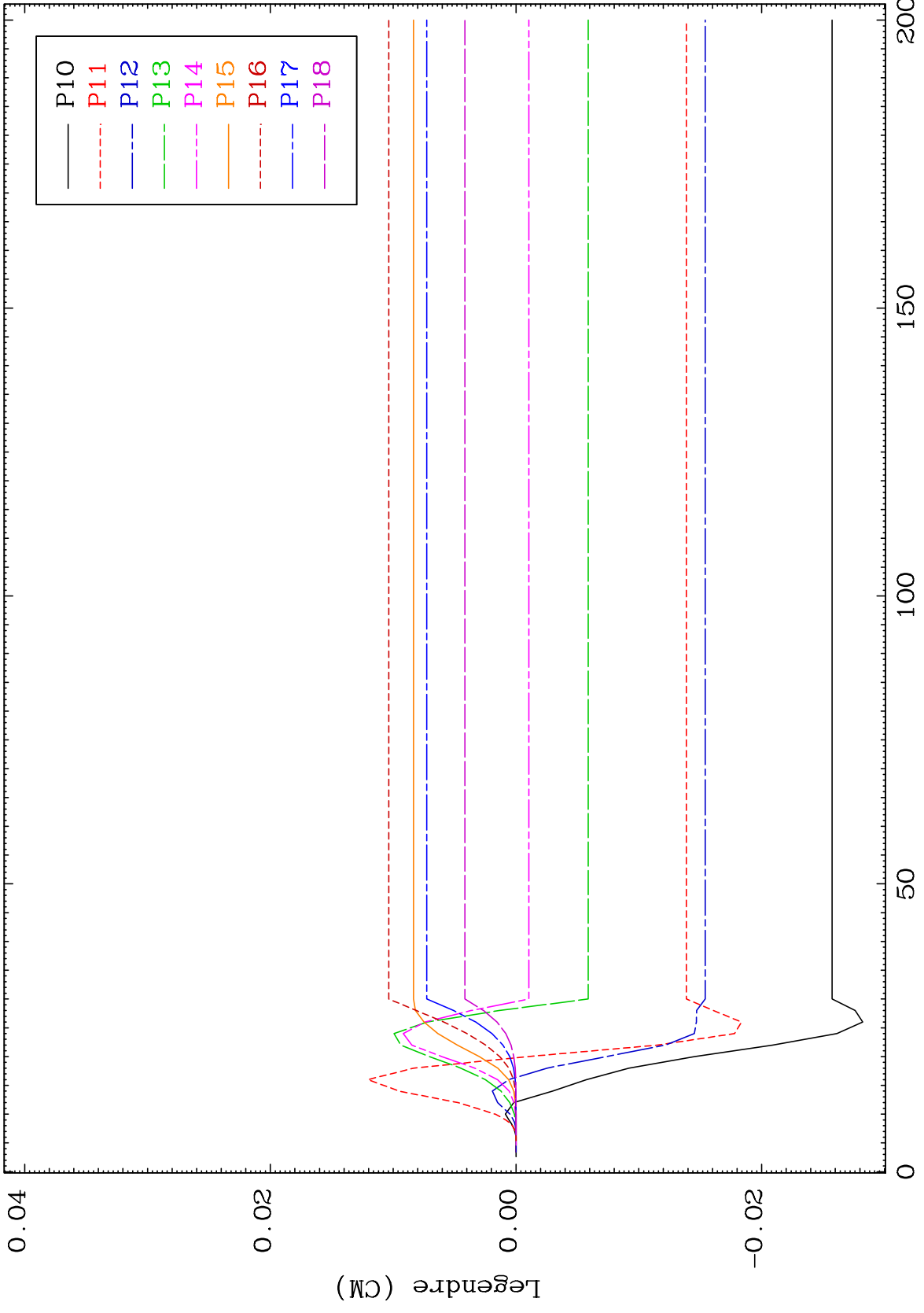


37 38-Sr-80

MAT 3813 MT= 56 (n,n') Level Legendre Coefficients

38-Sr-80

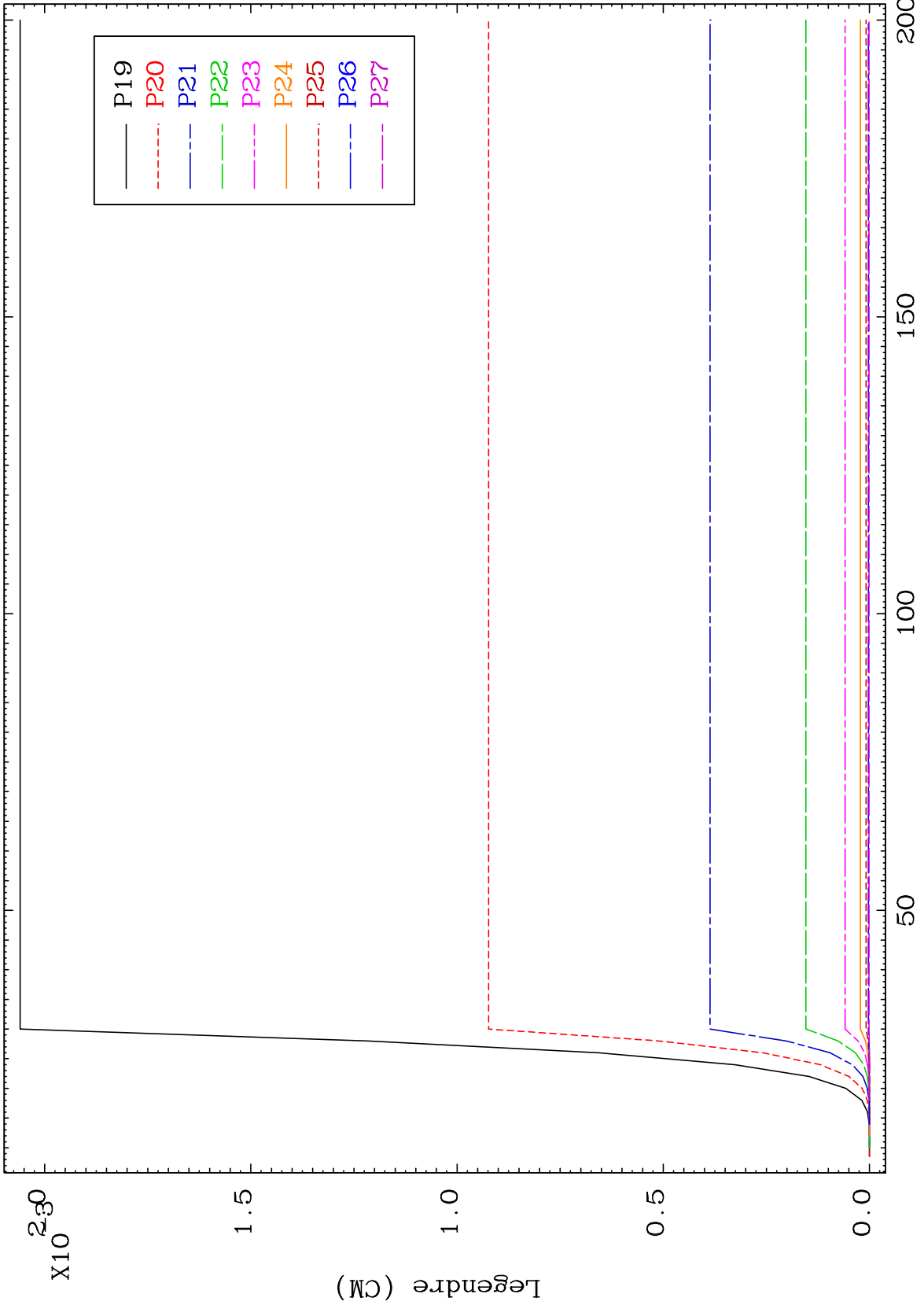
38-Sr-80



MAT 3813

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

38-Sr-80



39

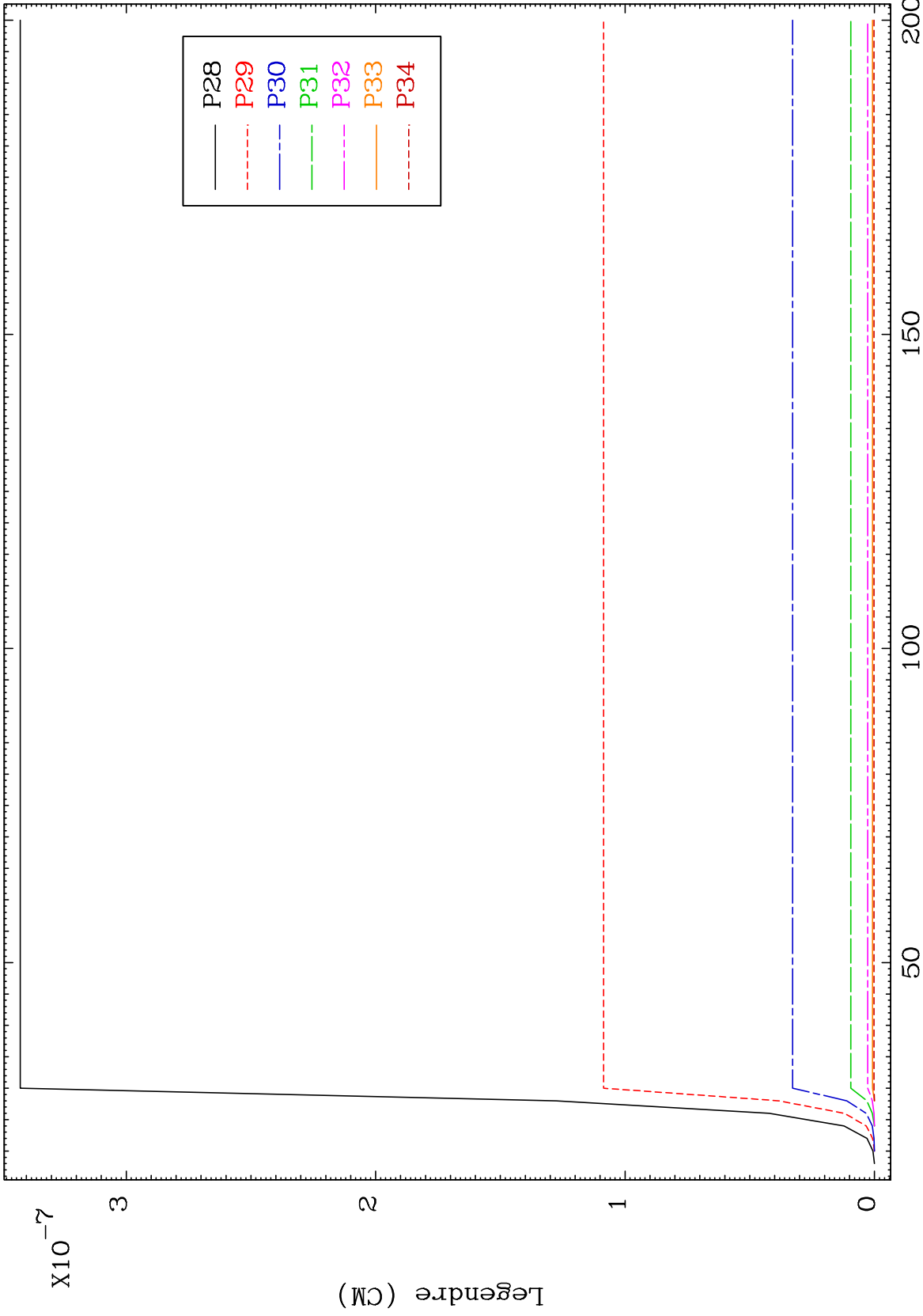
Incident Energy (MeV)

38-Sr-80

MAT 3813

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

38-Sr-80



40

Incident Energy (MeV)

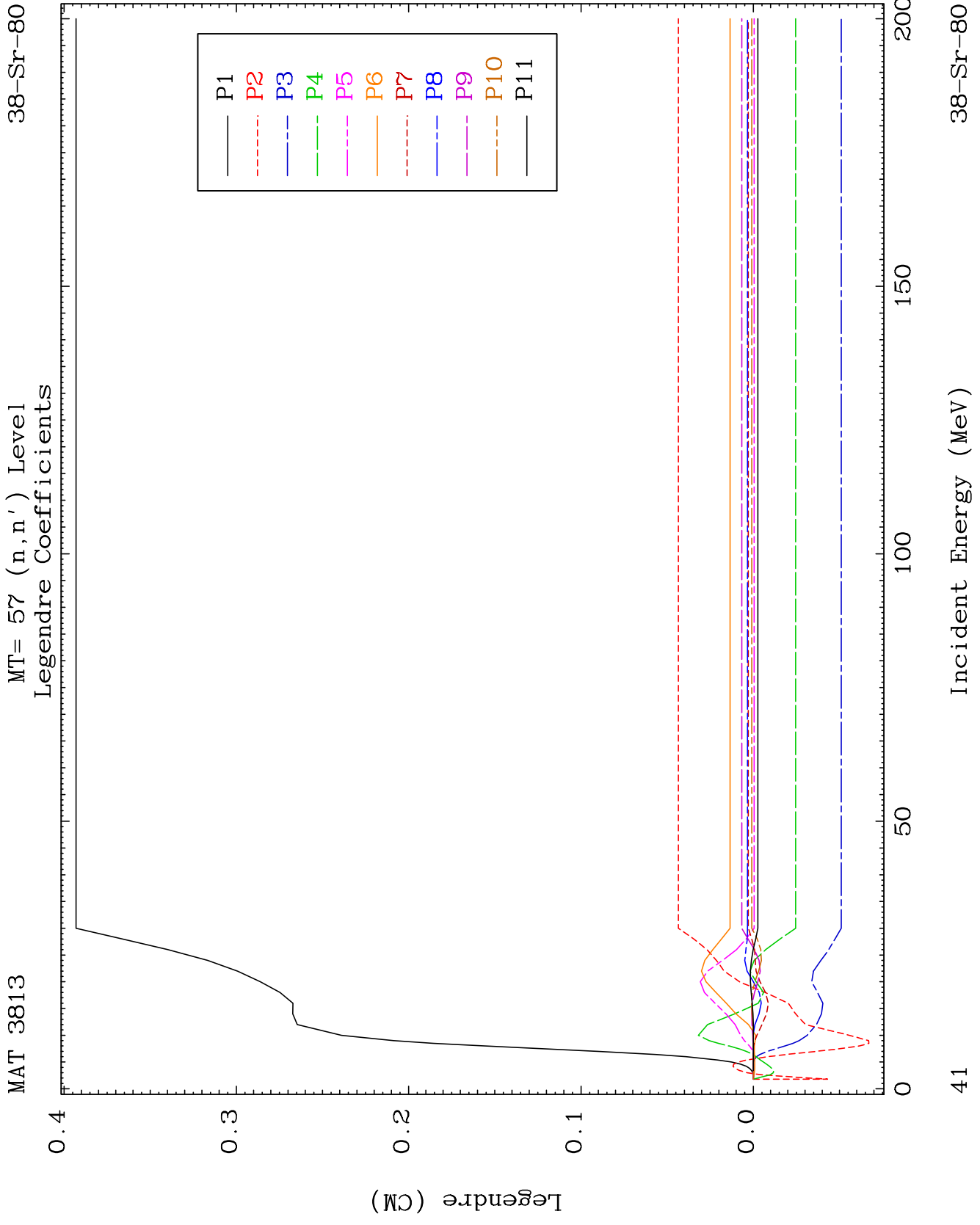
50

100

150

200

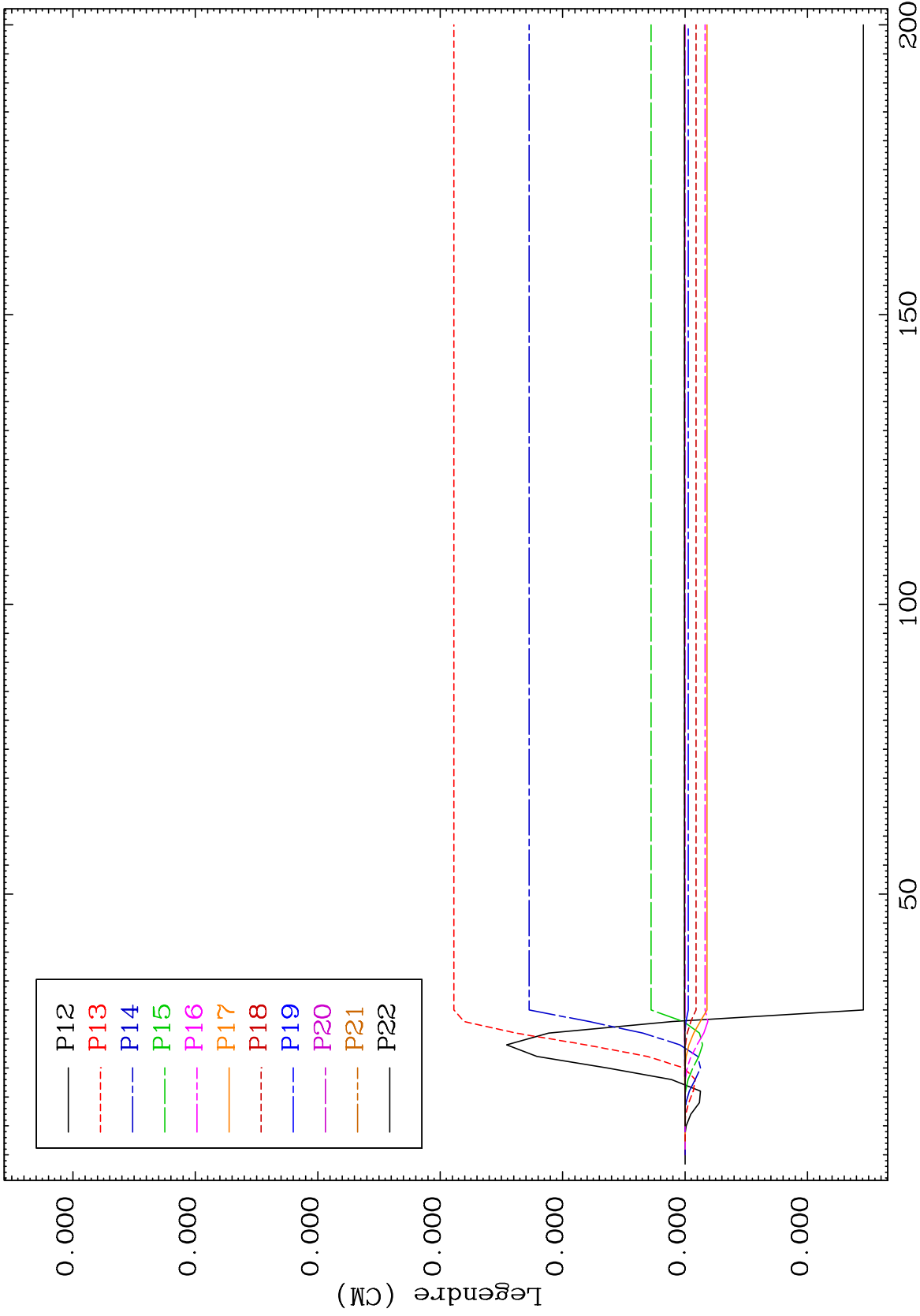
38-Sr-80



MAT 3813

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

38-Sr-80



42

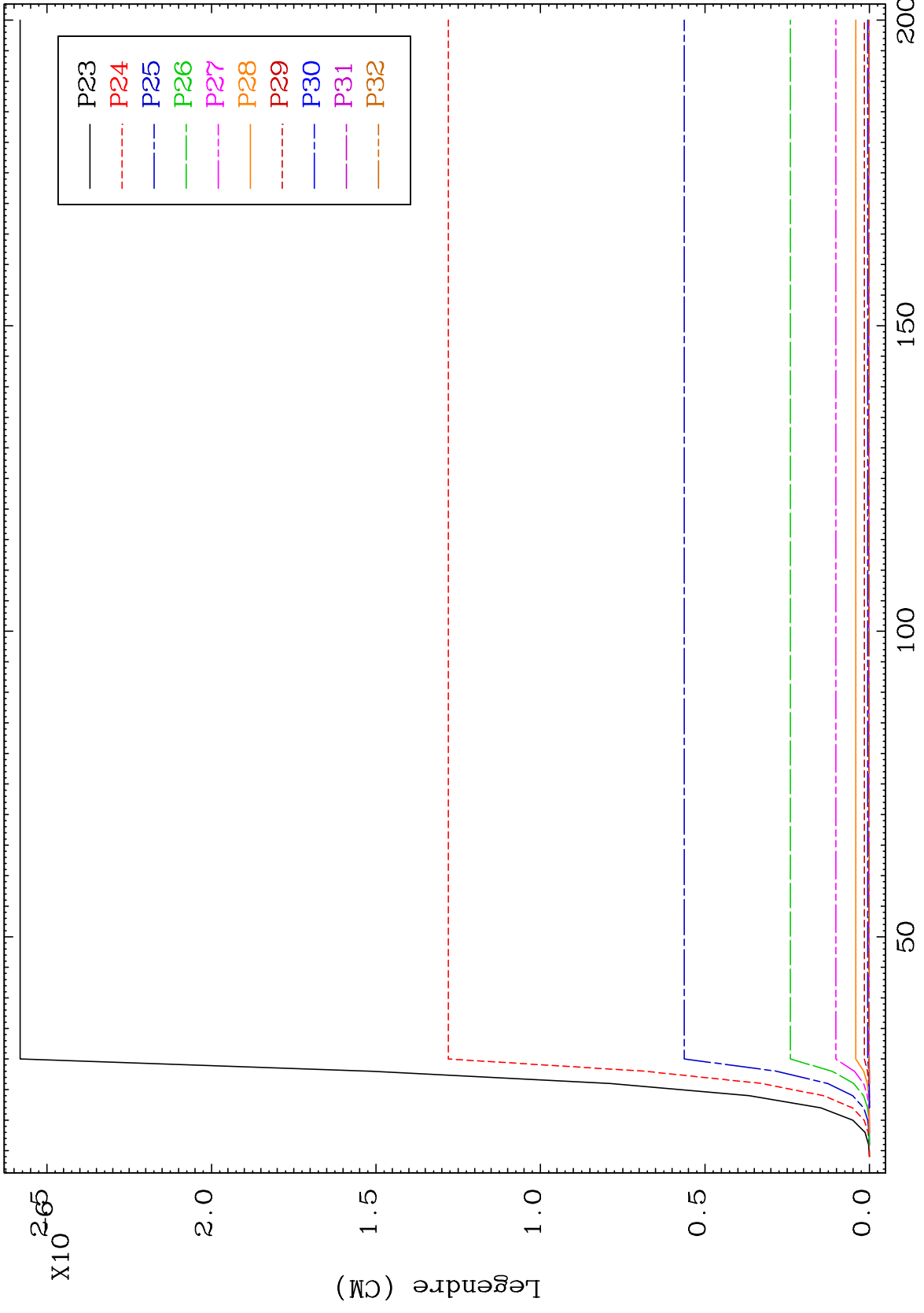
Incident Energy (MeV)

38-Sr-80

MAT 3813

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

38-Sr-80



43

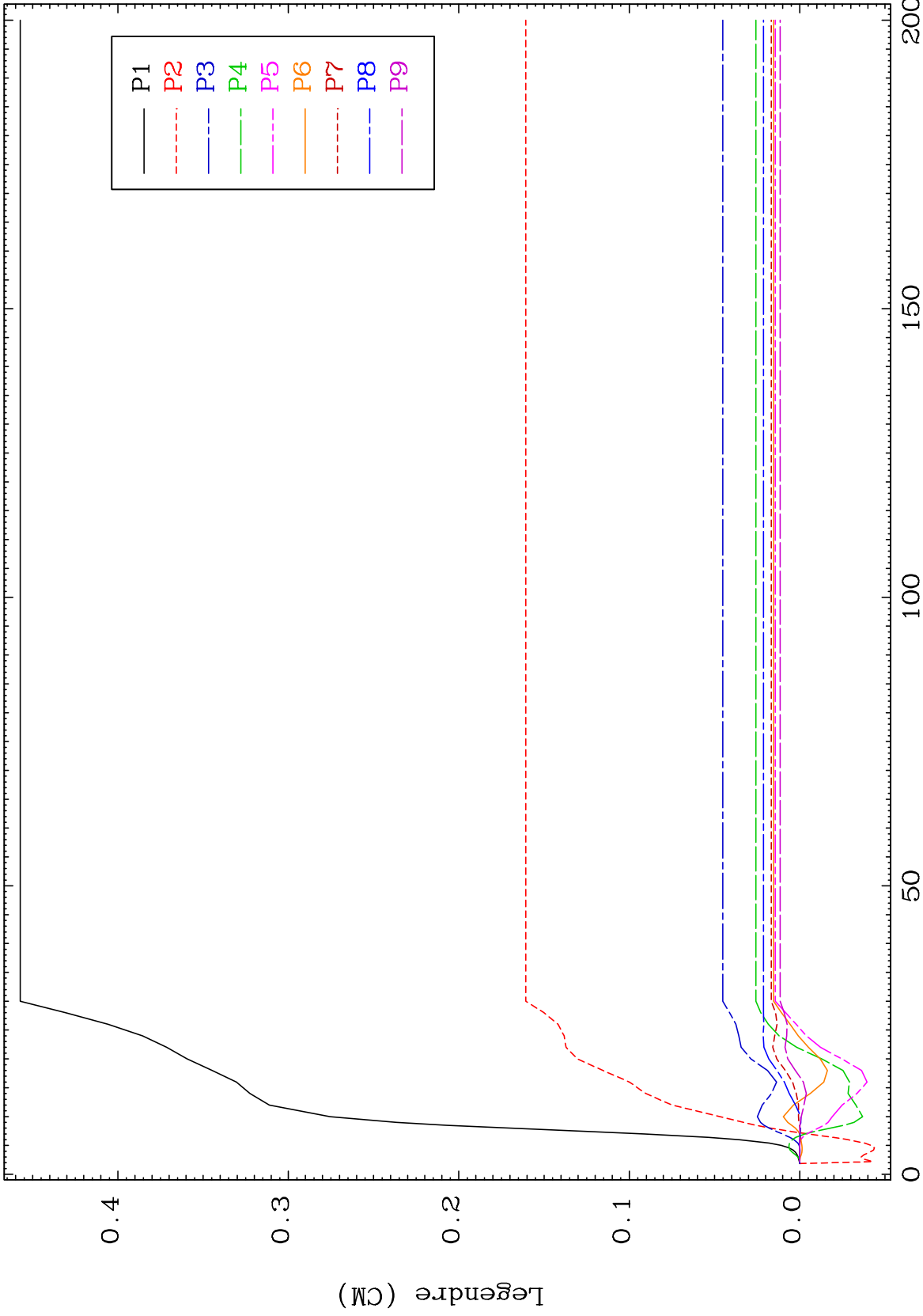
Incident Energy (MeV)

38-Sr-80

MAT 3813

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

38-Sr-80



44

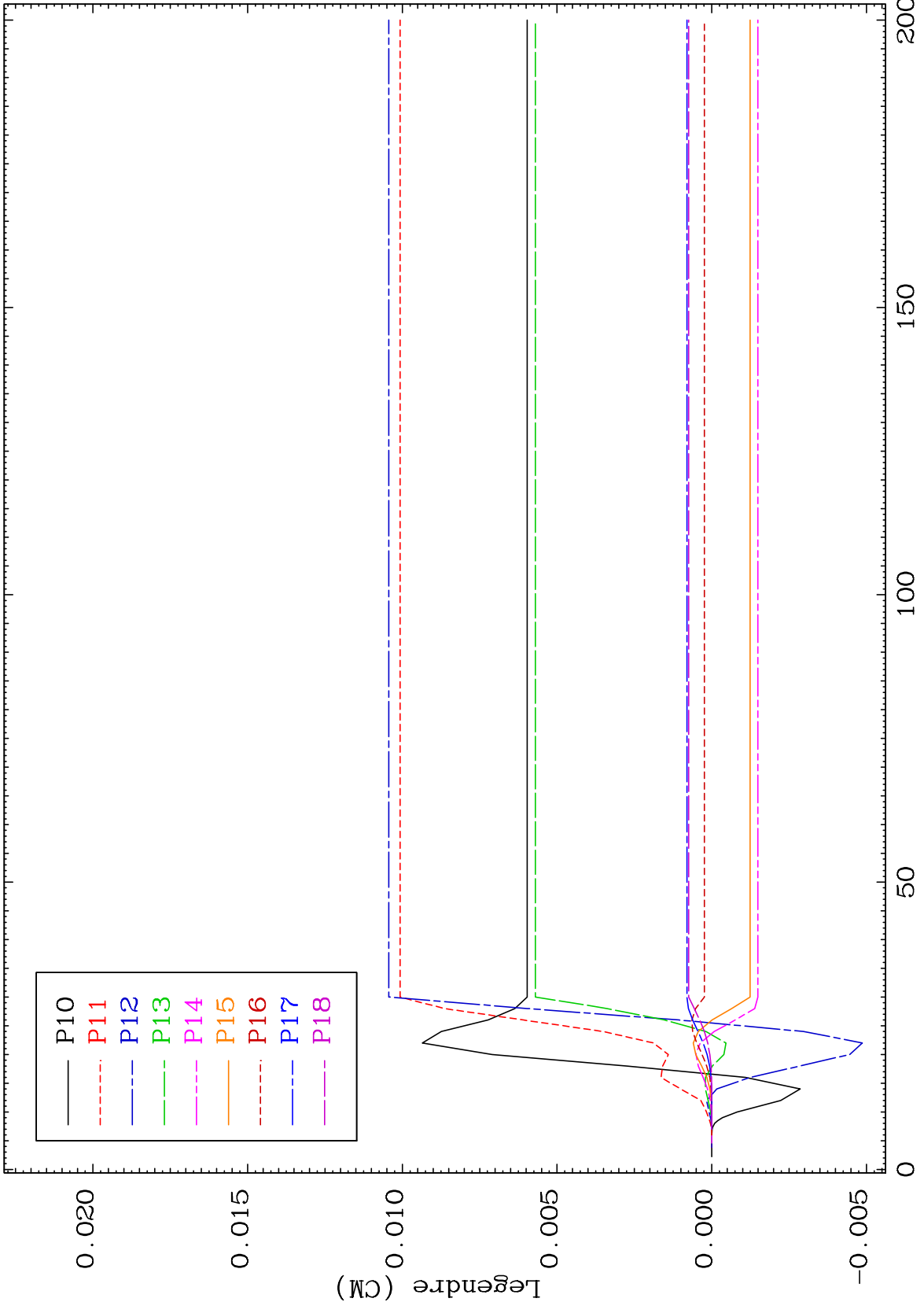
Incident Energy (MeV)

38-Sr-80

MAT 3813

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

38-Sr-80



45

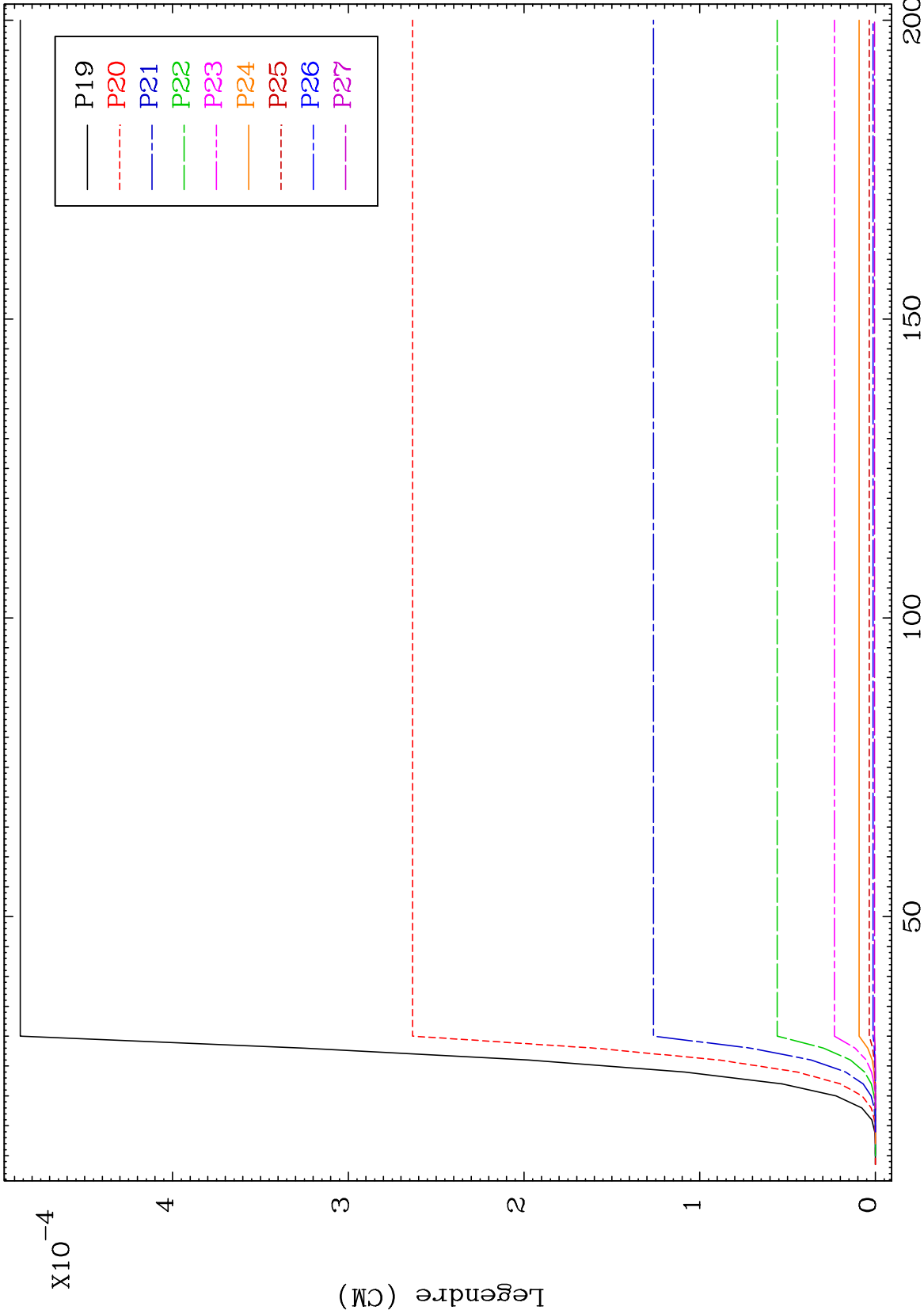
Incident Energy (MeV)

38-Sr-80

MAT 3813

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

38-Sr-80



46

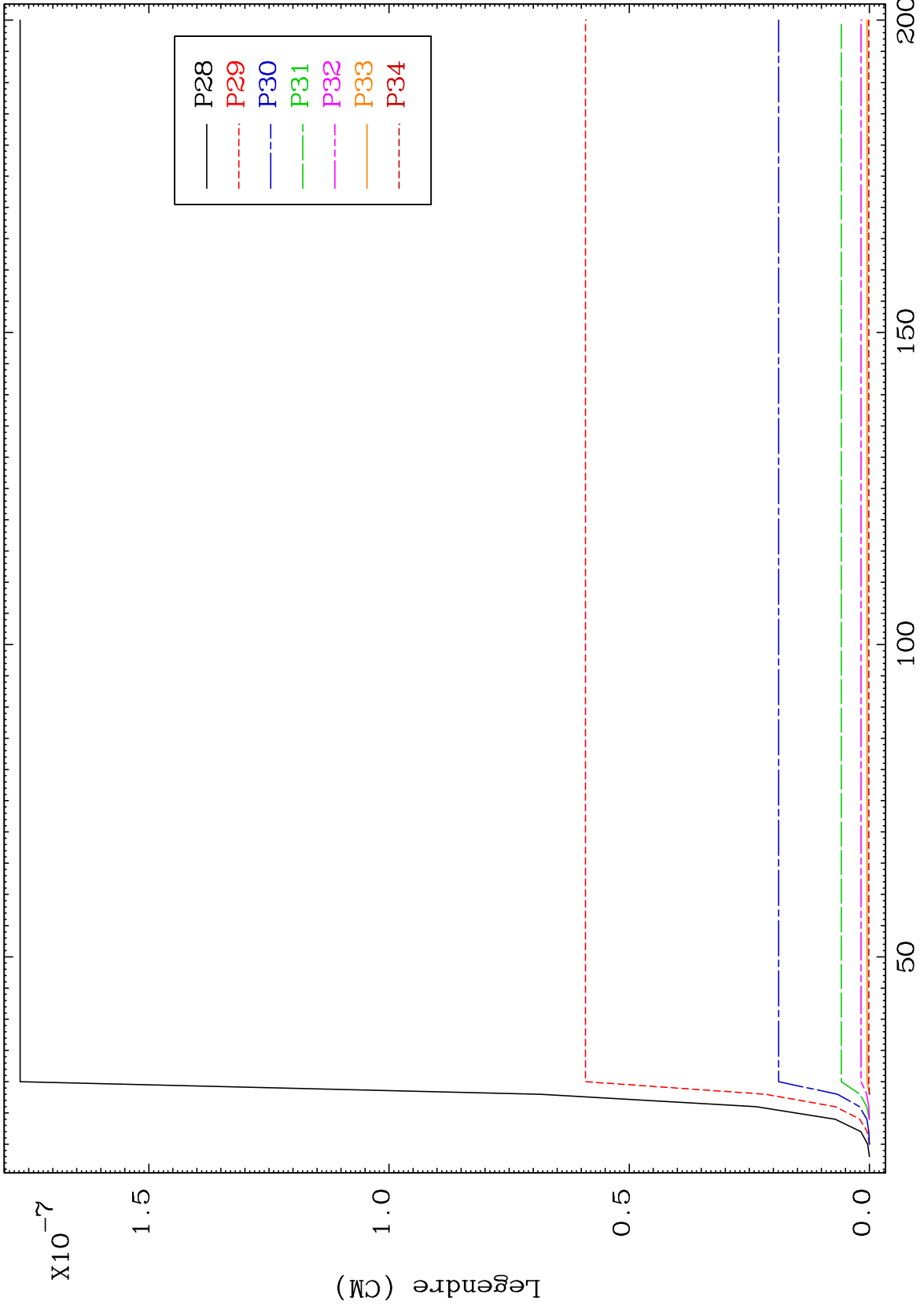
Incident Energy (MeV)

38-Sr-80

MAT 3813

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

38-Sr-80



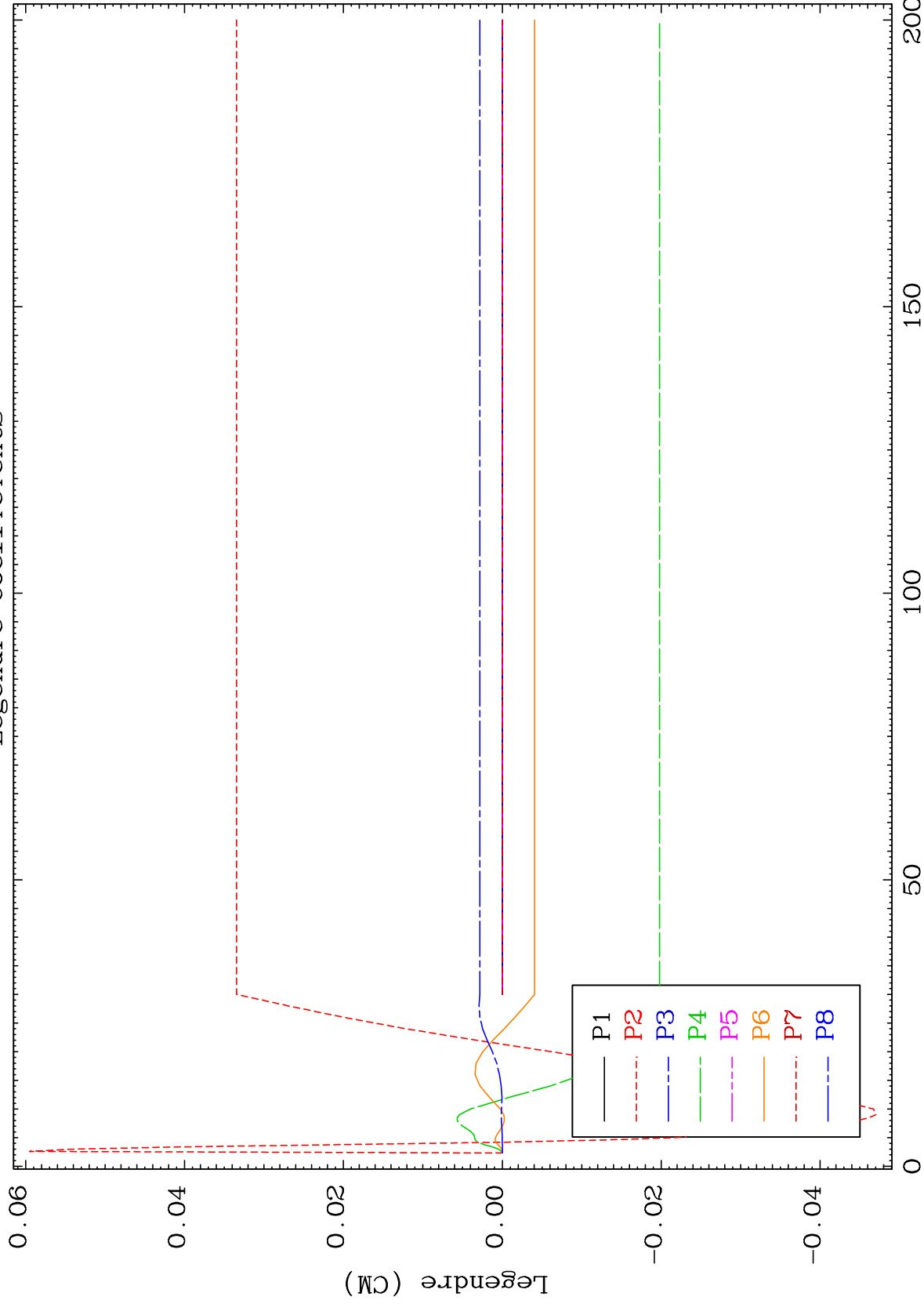
47

Incident Energy (MeV)

38-Sr-80

MAT 3813 MT= 59 (n,n') Level Legendre Coefficients

38-Sr-80



38-Sr-80

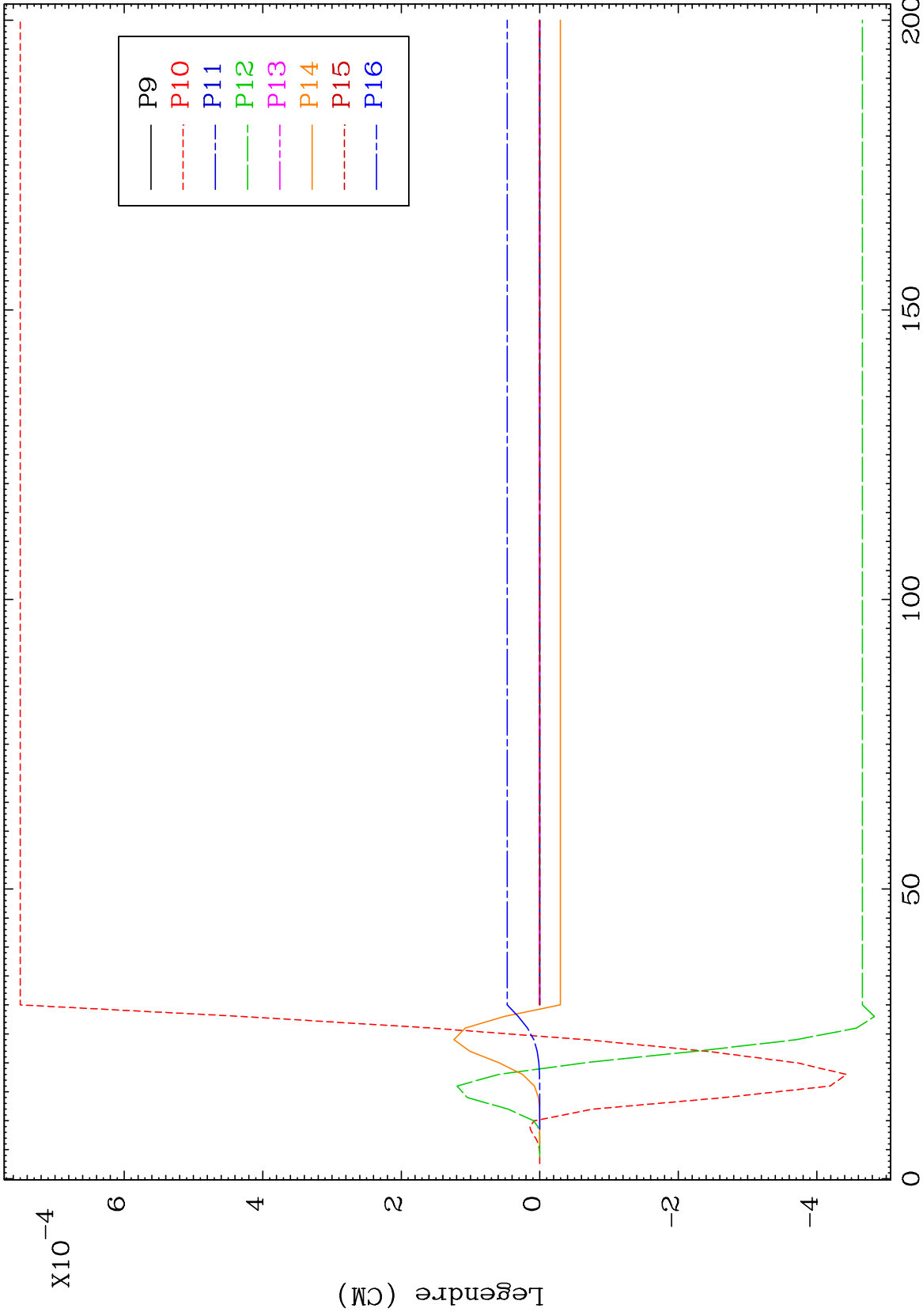
Incident Energy (MeV)

48

MAT 3813

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

38-Sr-80

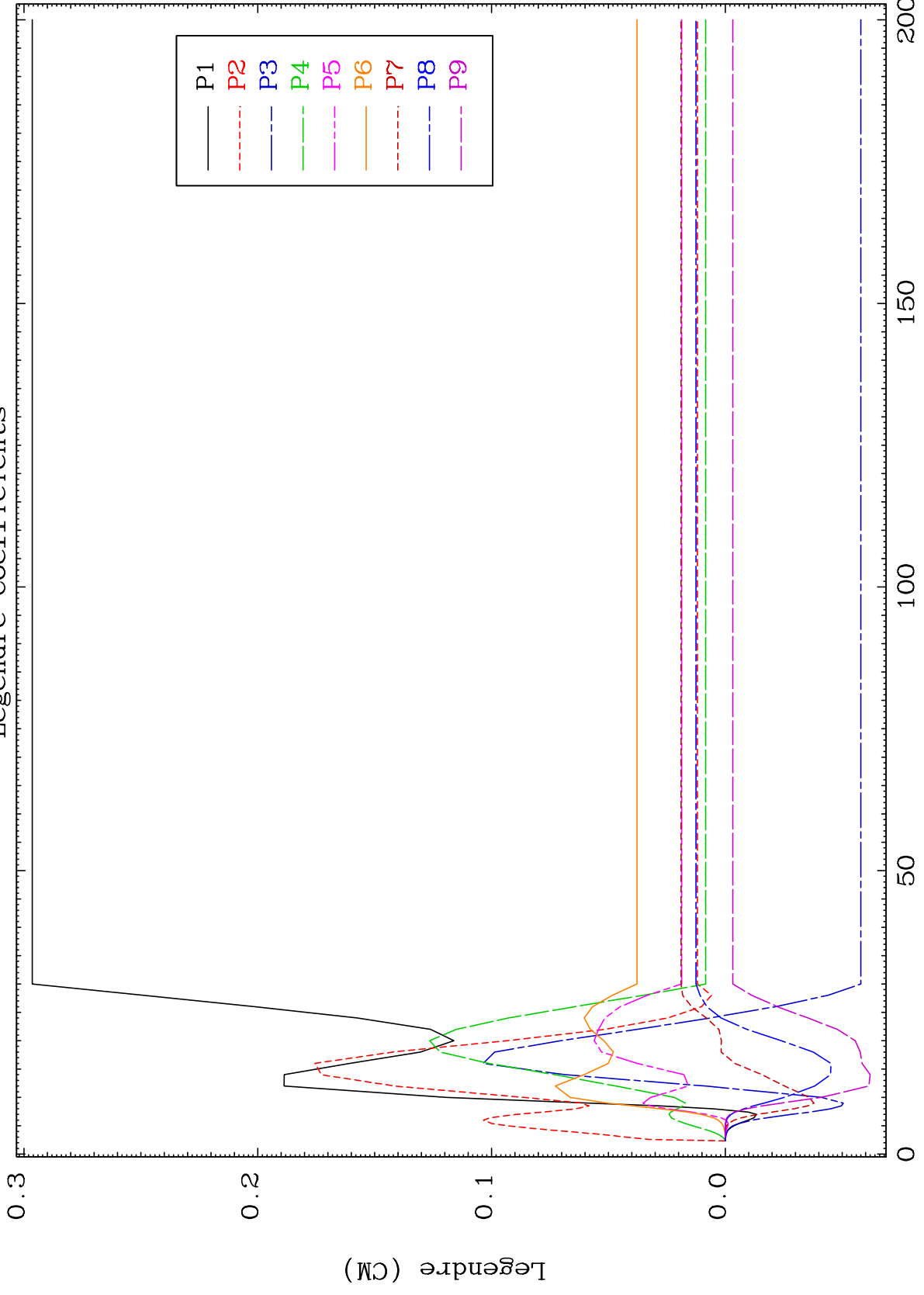


49

Incident Energy (MeV)

38-Sr-80

MAT 3813 MT= 60 (n,n') Level Legendre Coefficients 38-Sr-80

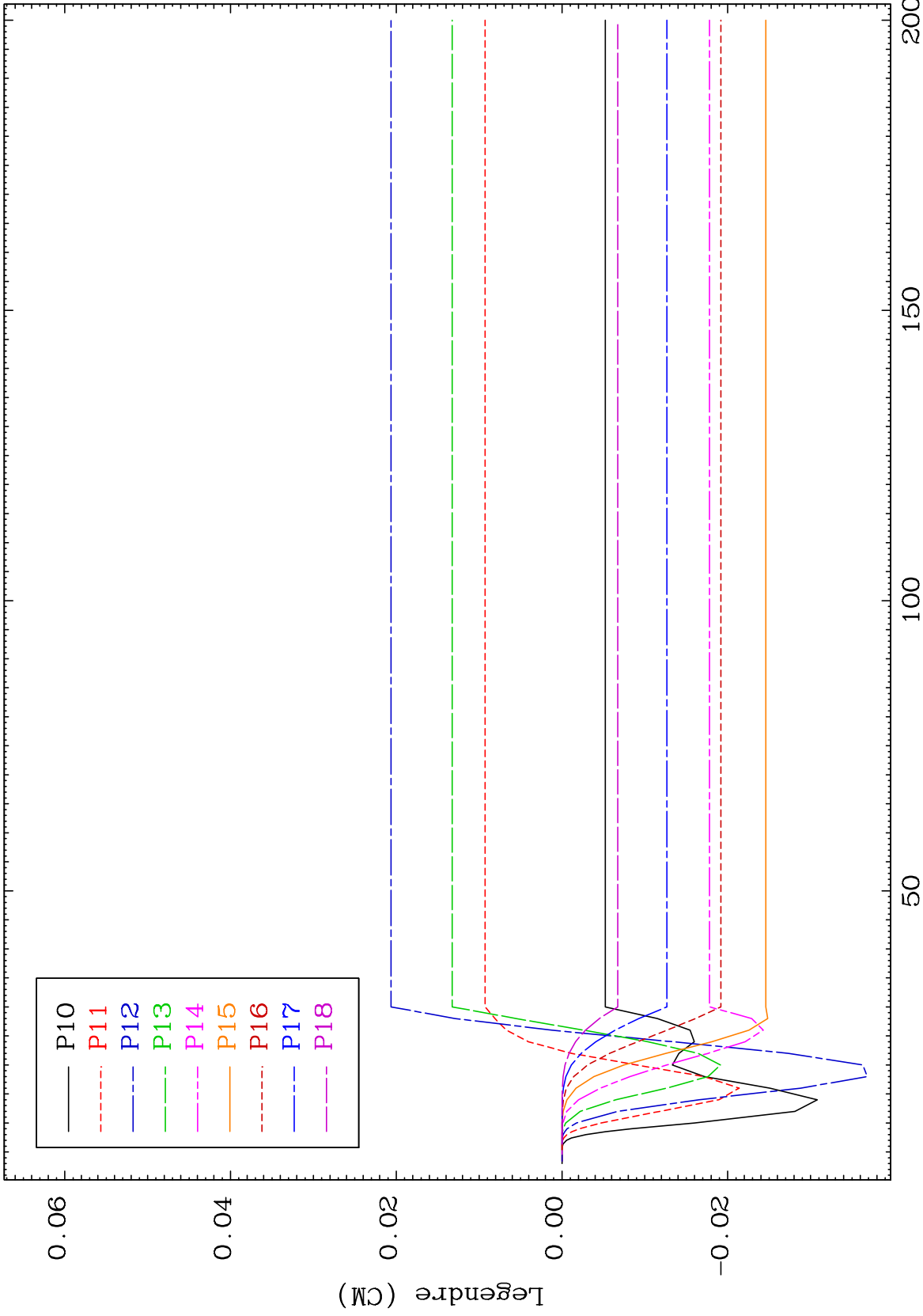


51 38-Sr-80

MAT 3813

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

38-Sr-80

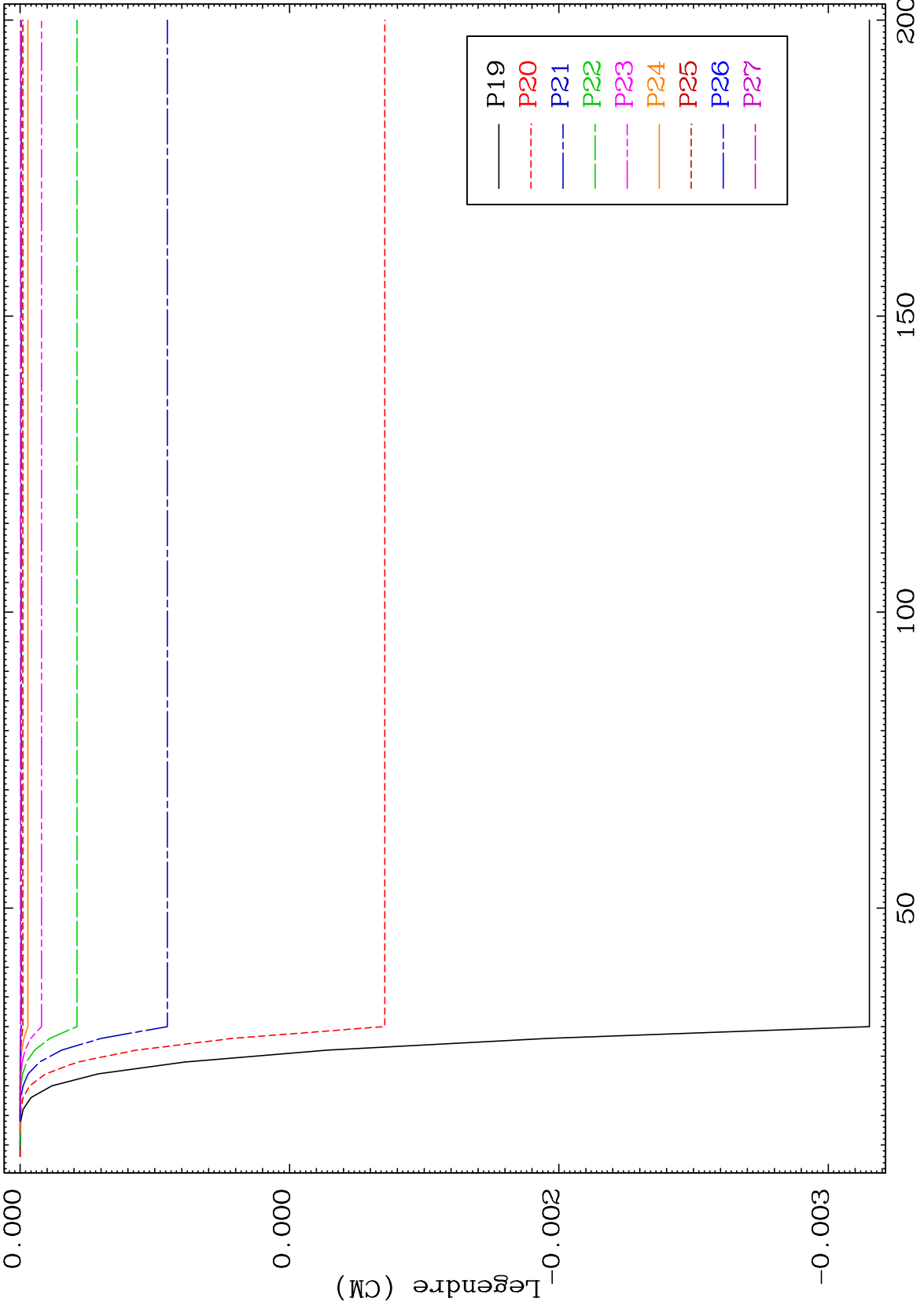


52

Incident Energy (MeV)

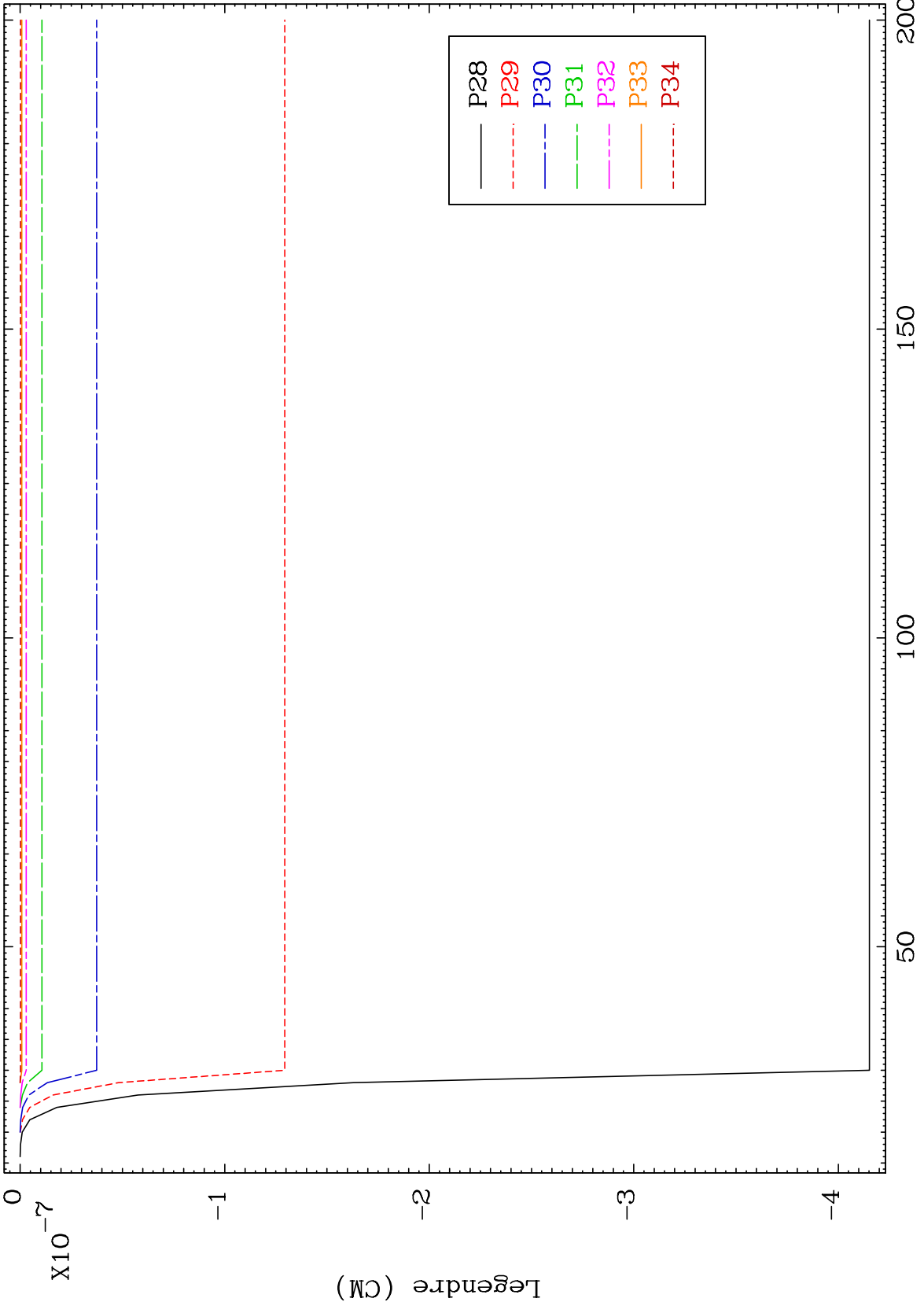
38-Sr-80

MAT 3813 MT= 60 (n,n') Level Legendre Coefficients 38-Sr-80



53 38-Sr-80

MAT 3813 MT= 60 (n,n') Level Legendre Coefficients 38-Sr-80

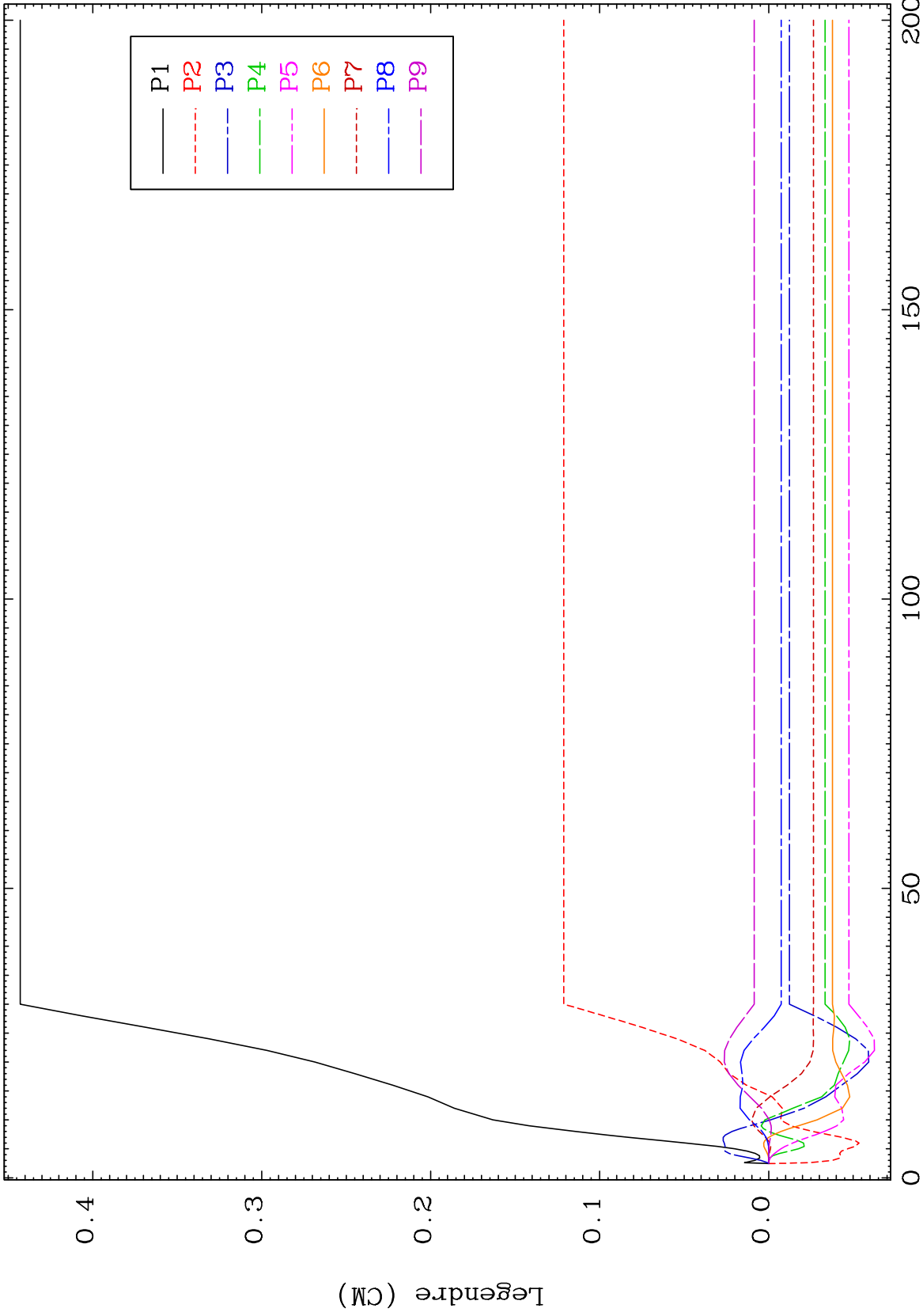


54 Incident Energy (MeV) 38-Sr-80

MAT 3813

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

38-Sr-80

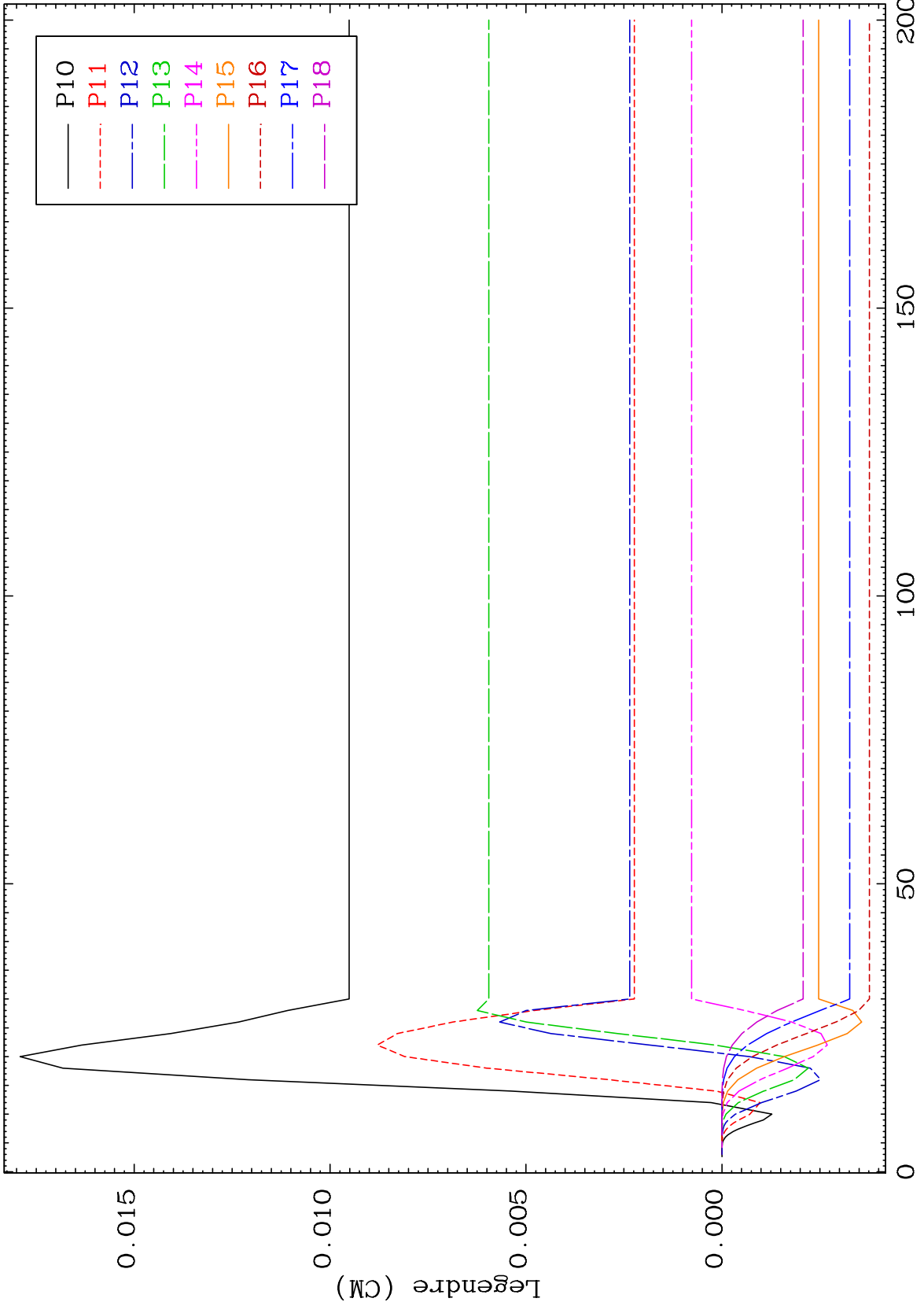


38-Sr-80

Incident Energy (MeV)

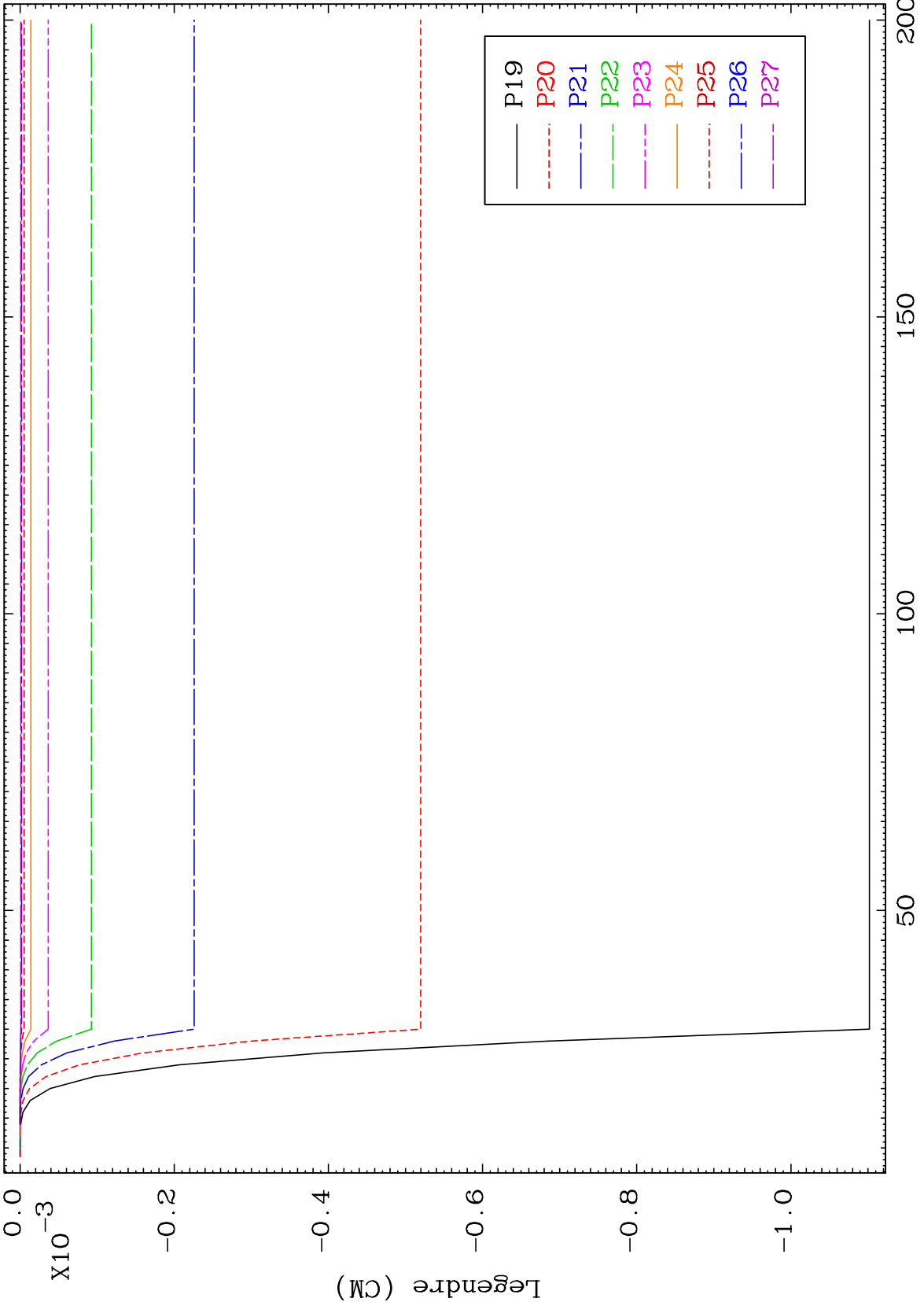
55

MAT 3813 MT= 61 (n,n') Level Legendre Coefficients 38-Sr-80



56 38-Sr-80

MAT 3813 MT= 61 (n,n') Level Legendre Coefficients 38-Sr-80

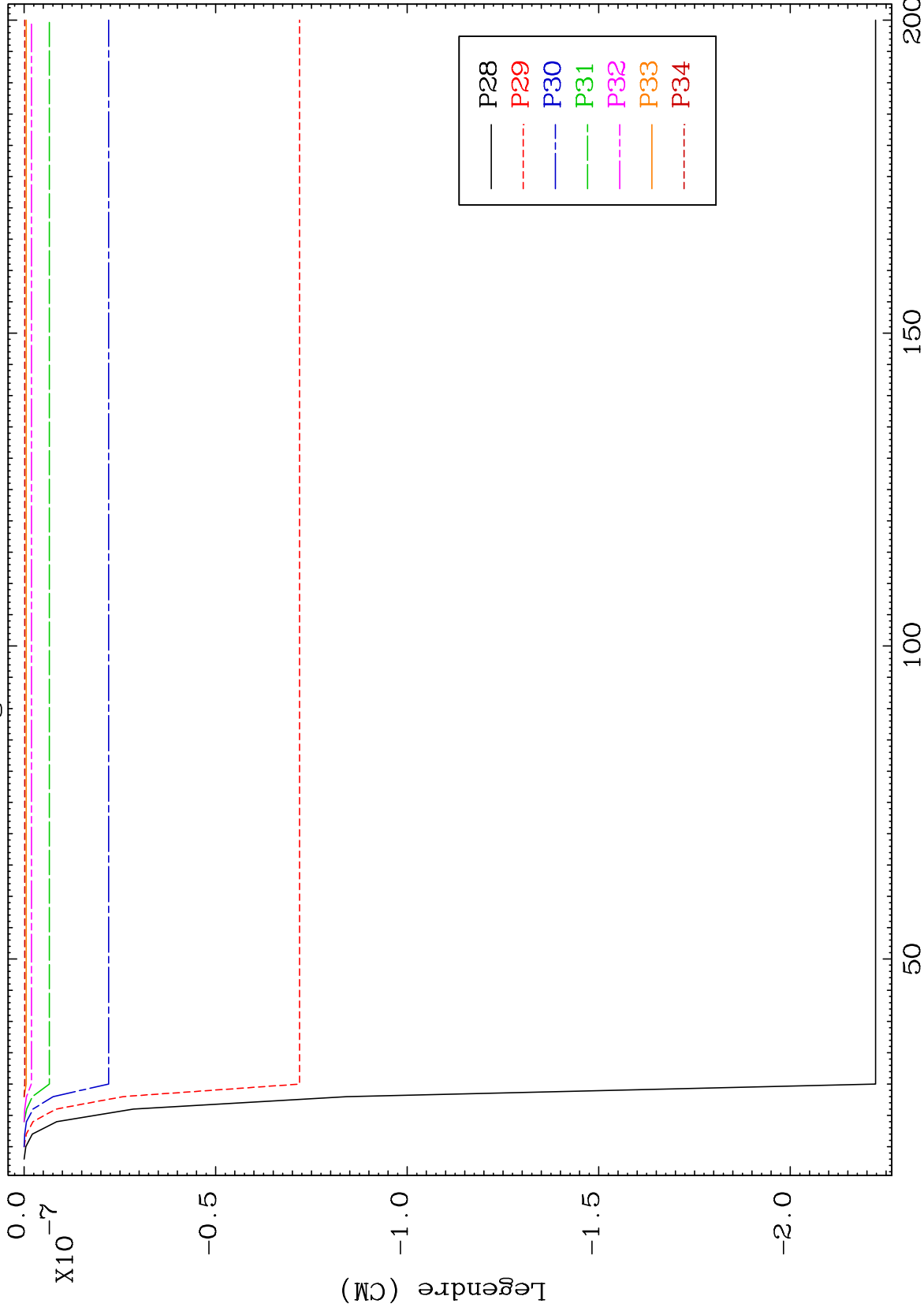


57 Incident Energy (MeV) 200 38-Sr-80

MAT 3813

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

38-Sr-80

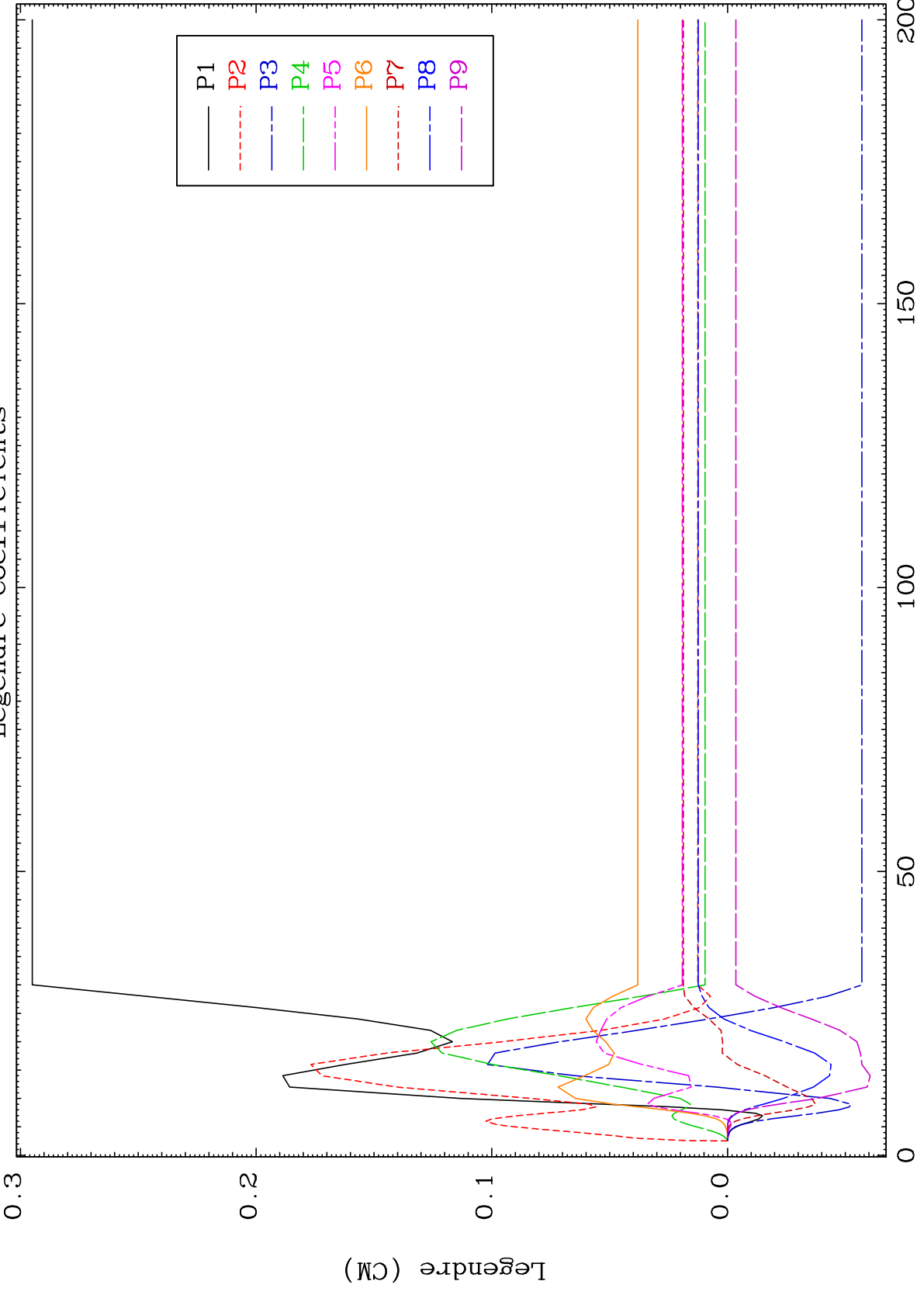


38-Sr-80

Incident Energy (MeV)

58

MAT 3813 MT= 62 (n,n') Level Legendre Coefficients 38-Sr-80

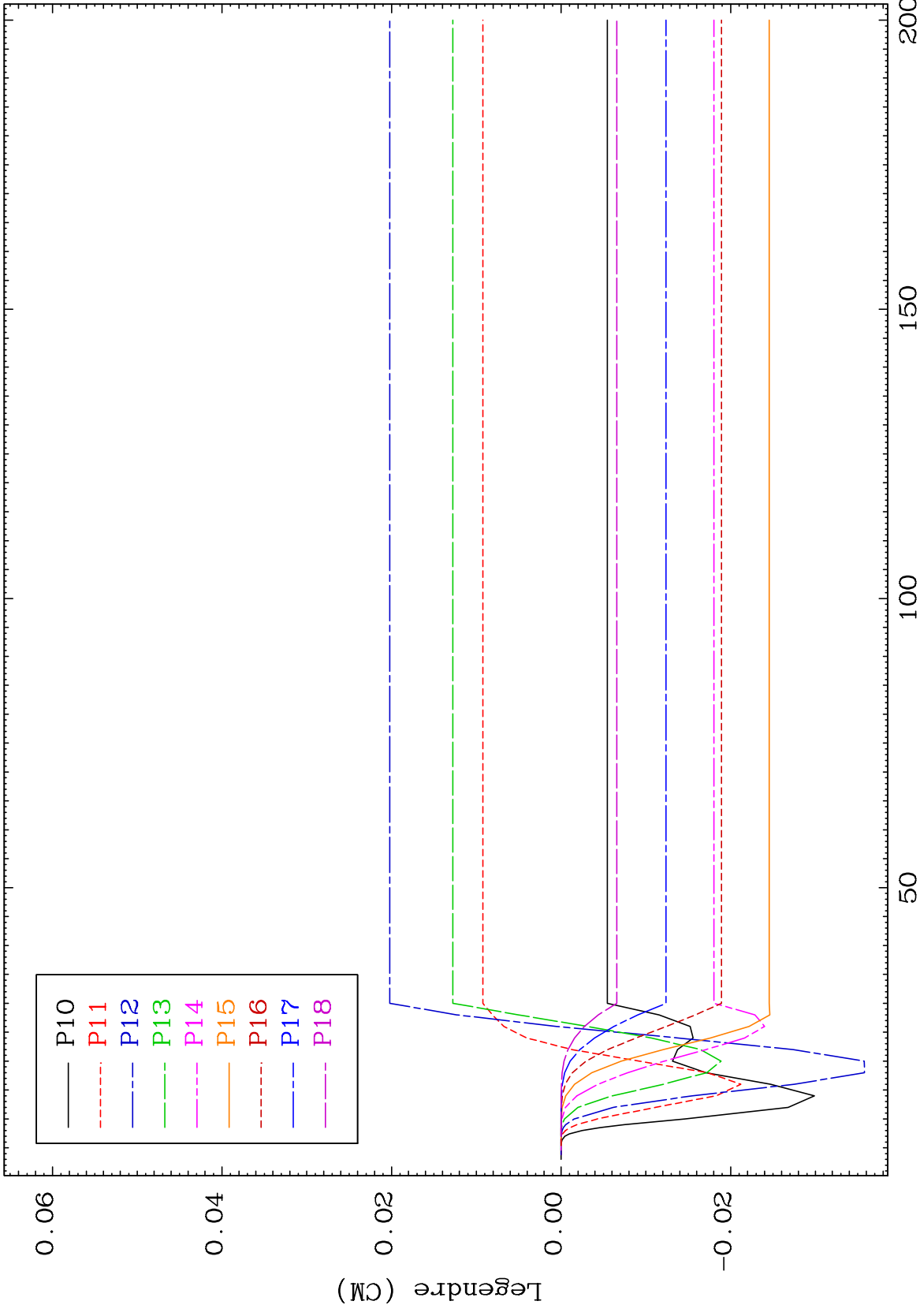


59 38-Sr-80

MAT 3813

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

38-Sr-80



60

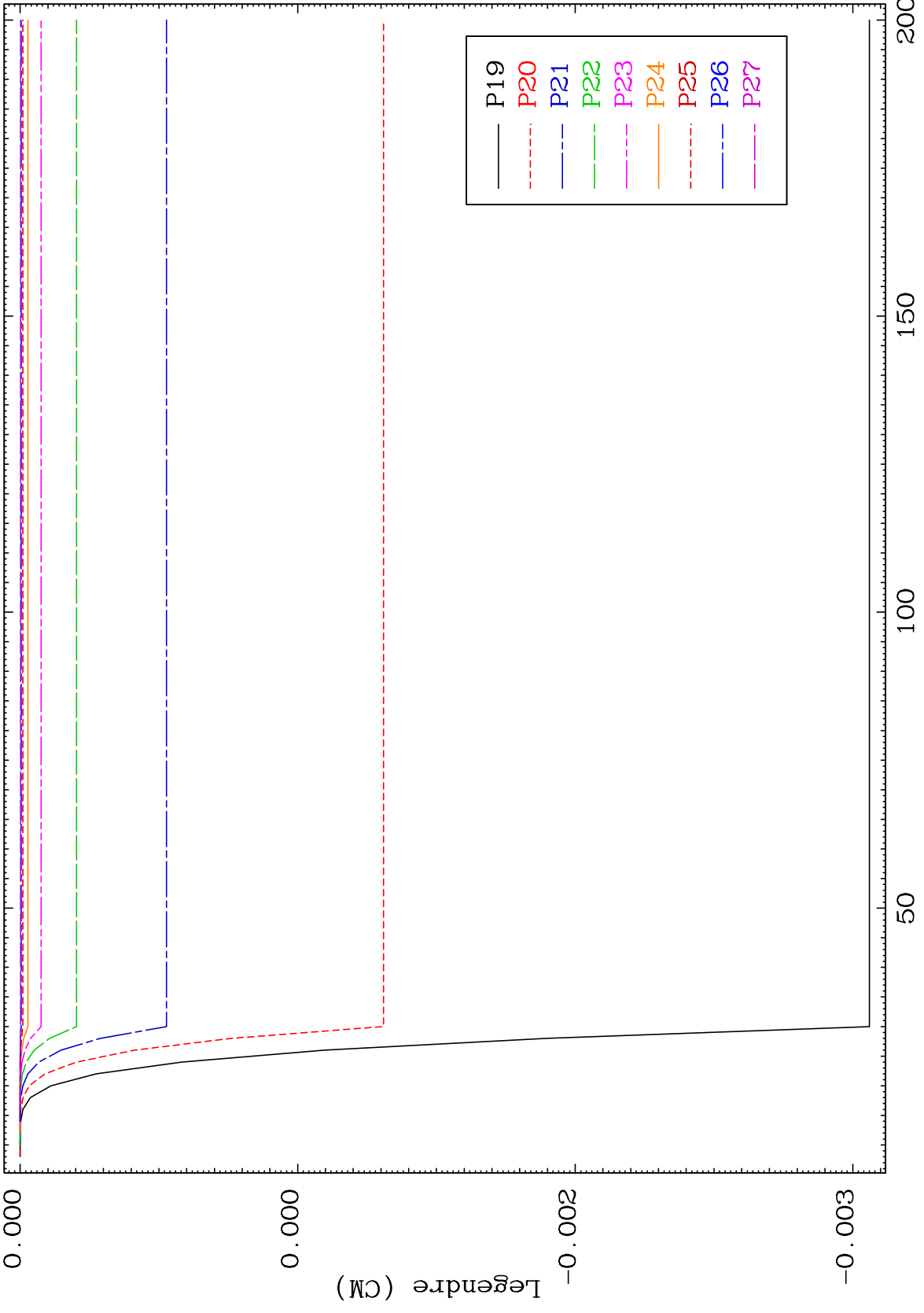
50

100

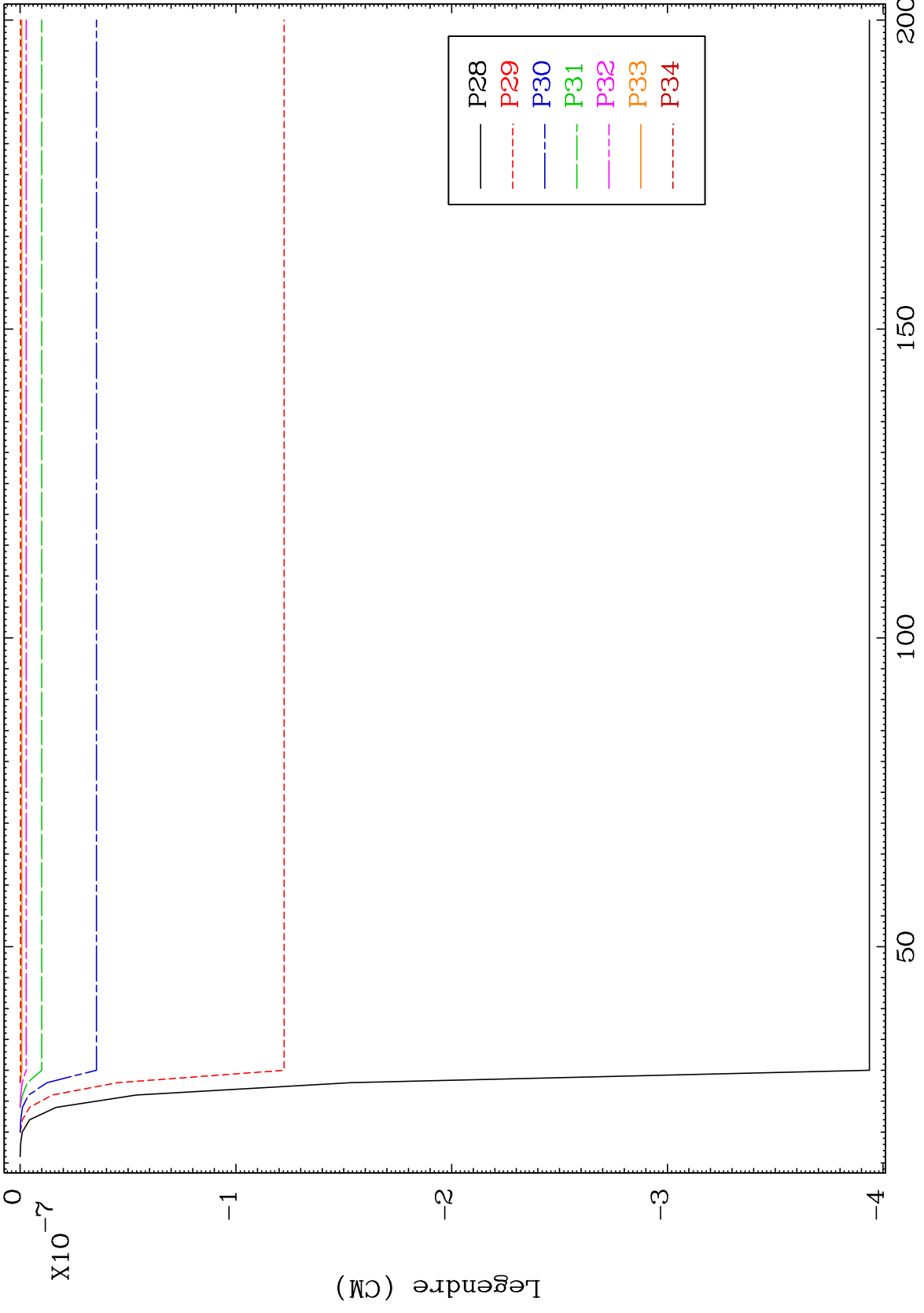
150

200

MAT 3813 MT= 62 (n,n') Level Legendre Coefficients 38-Sr-80



MAT 3813 MT= 62 (n,n') Level Legendre Coefficients 38-Sr-80

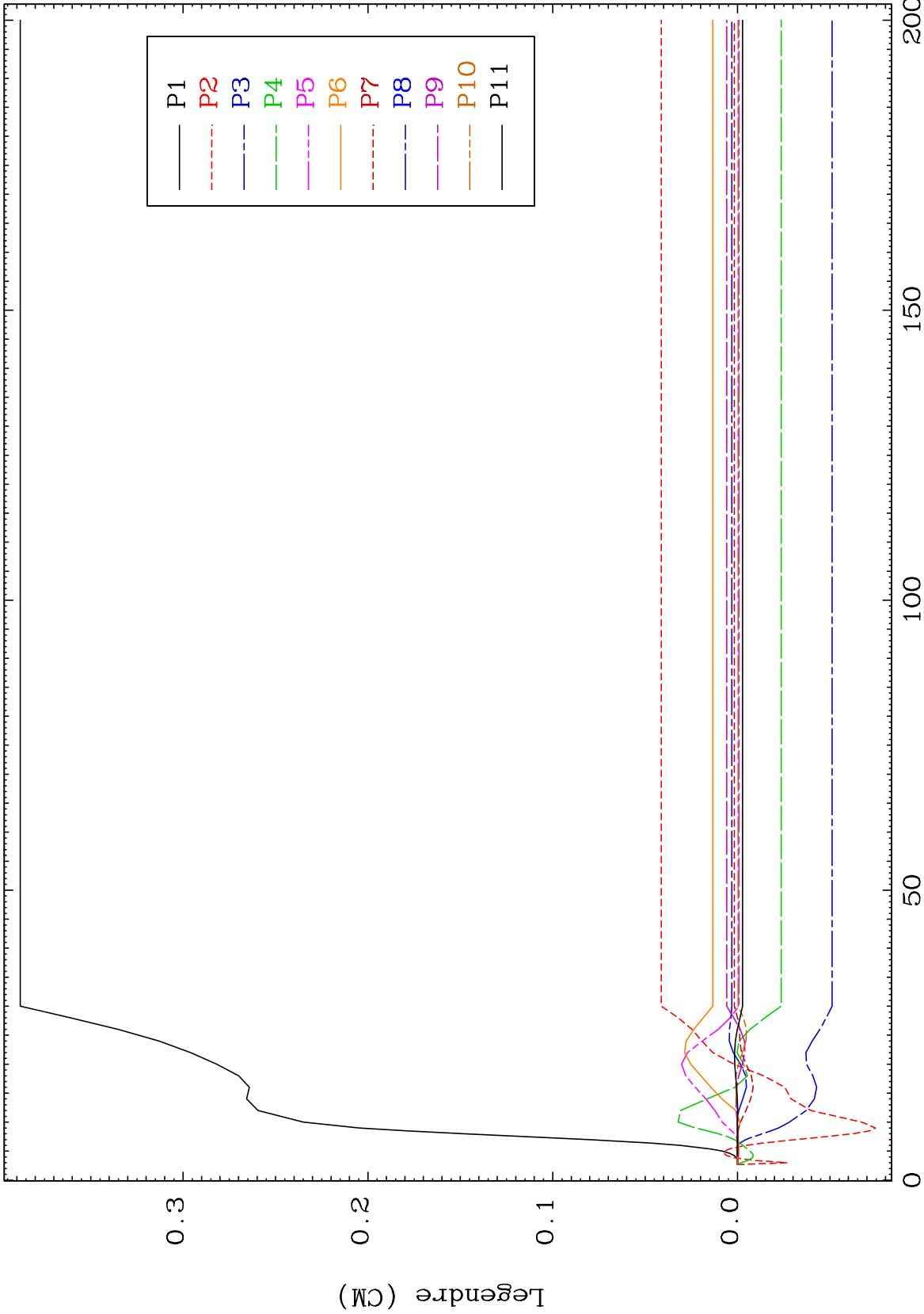


62 38-Sr-80

MAT 3813

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

38-Sr-80



63

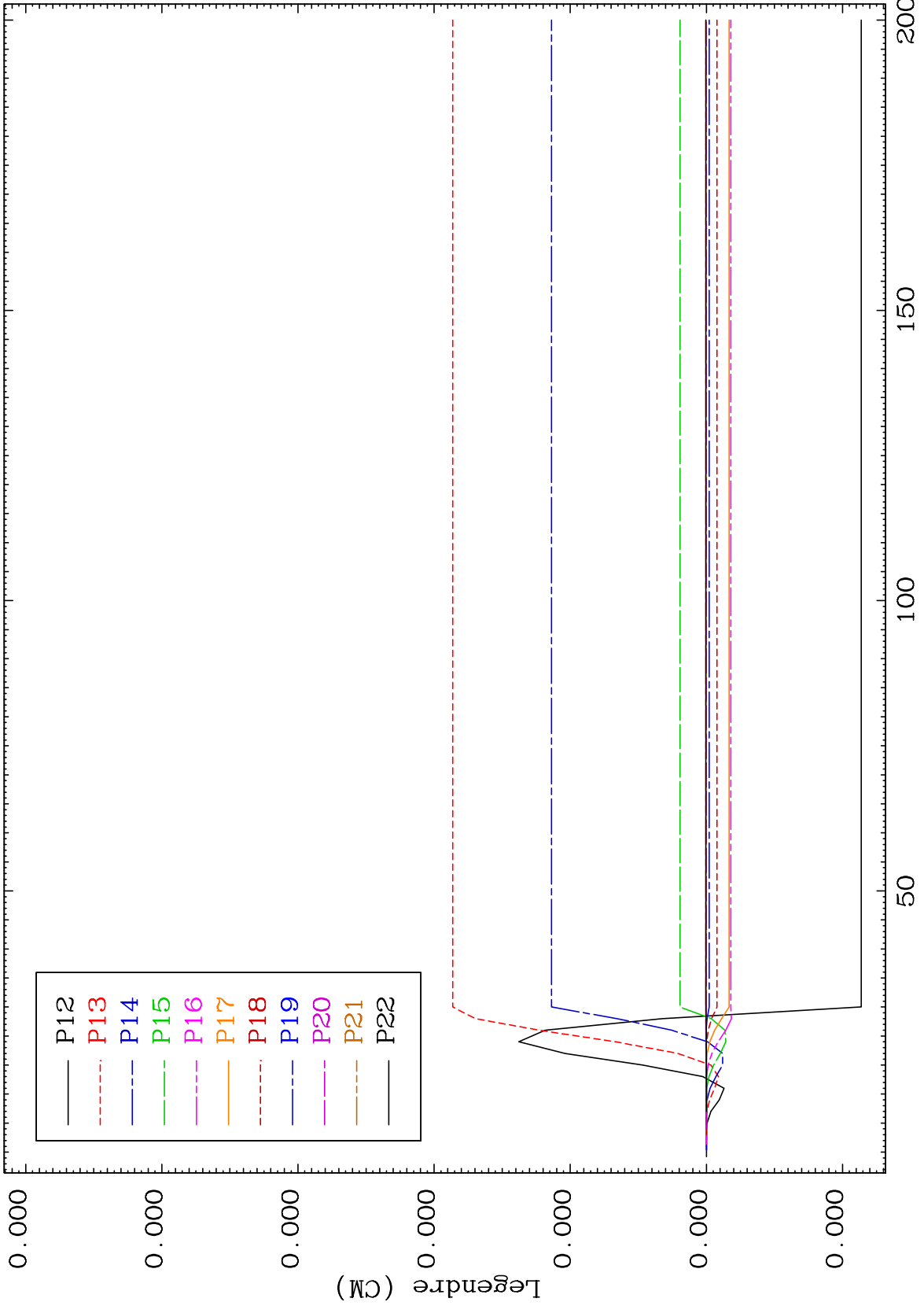
Incident Energy (MeV)

38-Sr-80

MAT 3813

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

38-Sr-80



64

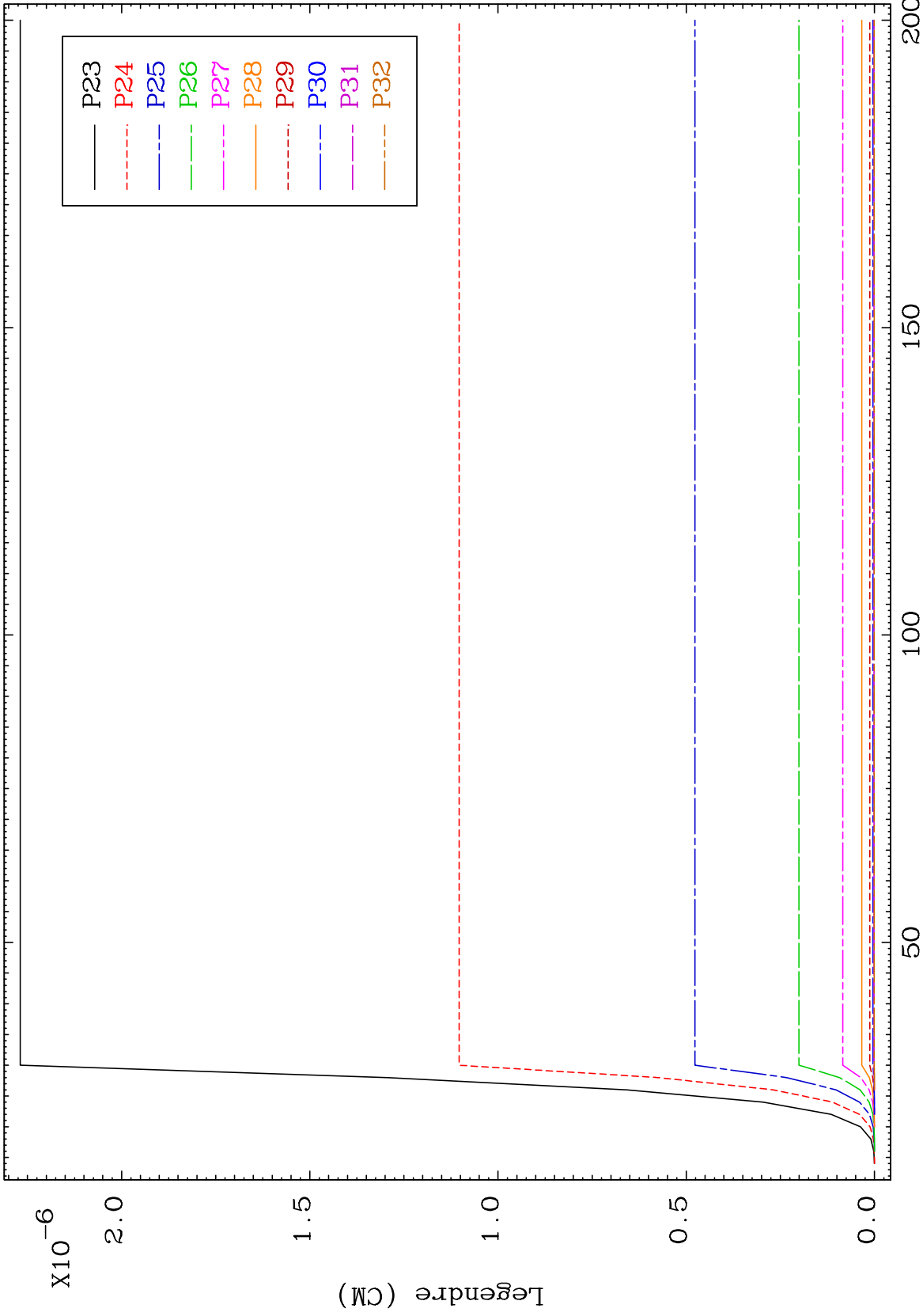
Incident Energy (MeV)

38-Sr-80

MAT 3813

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

38-Sr-80



65

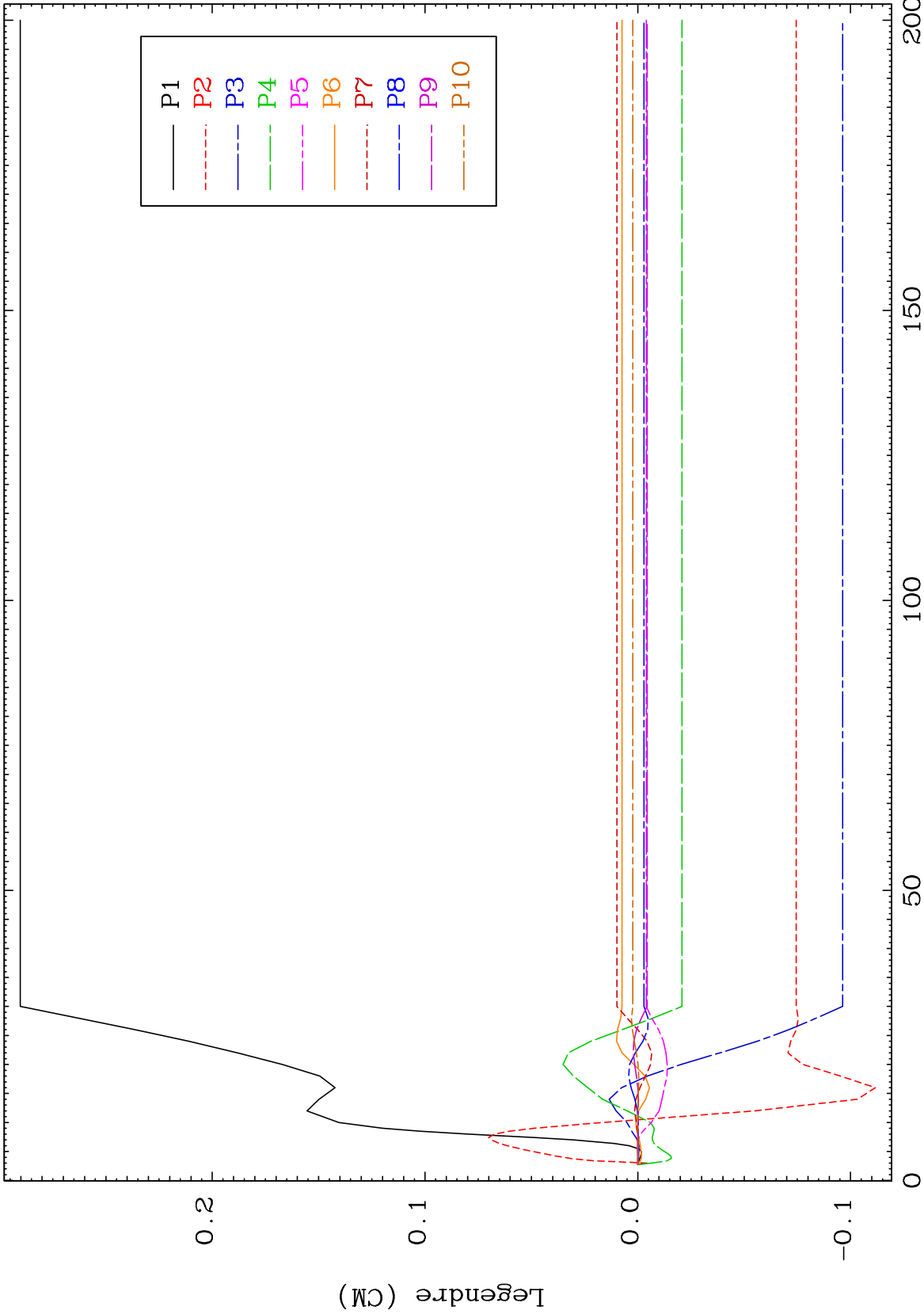
Incident Energy (MeV)

38-Sr-80

MAT 3813

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

38-Sr-80



66

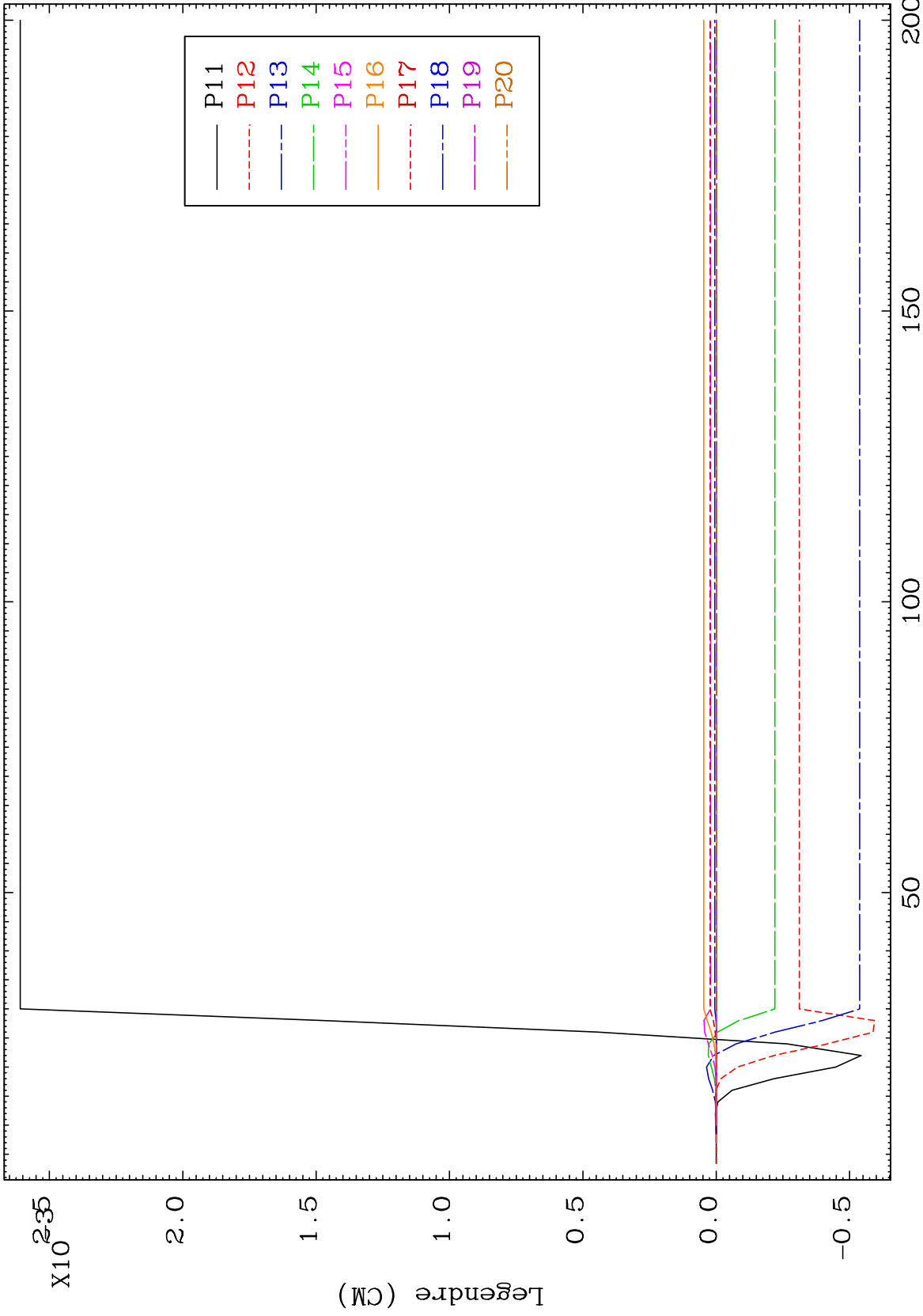
Incident Energy (MeV)

38-Sr-80

MAT 3813

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

38-Sr-80



67

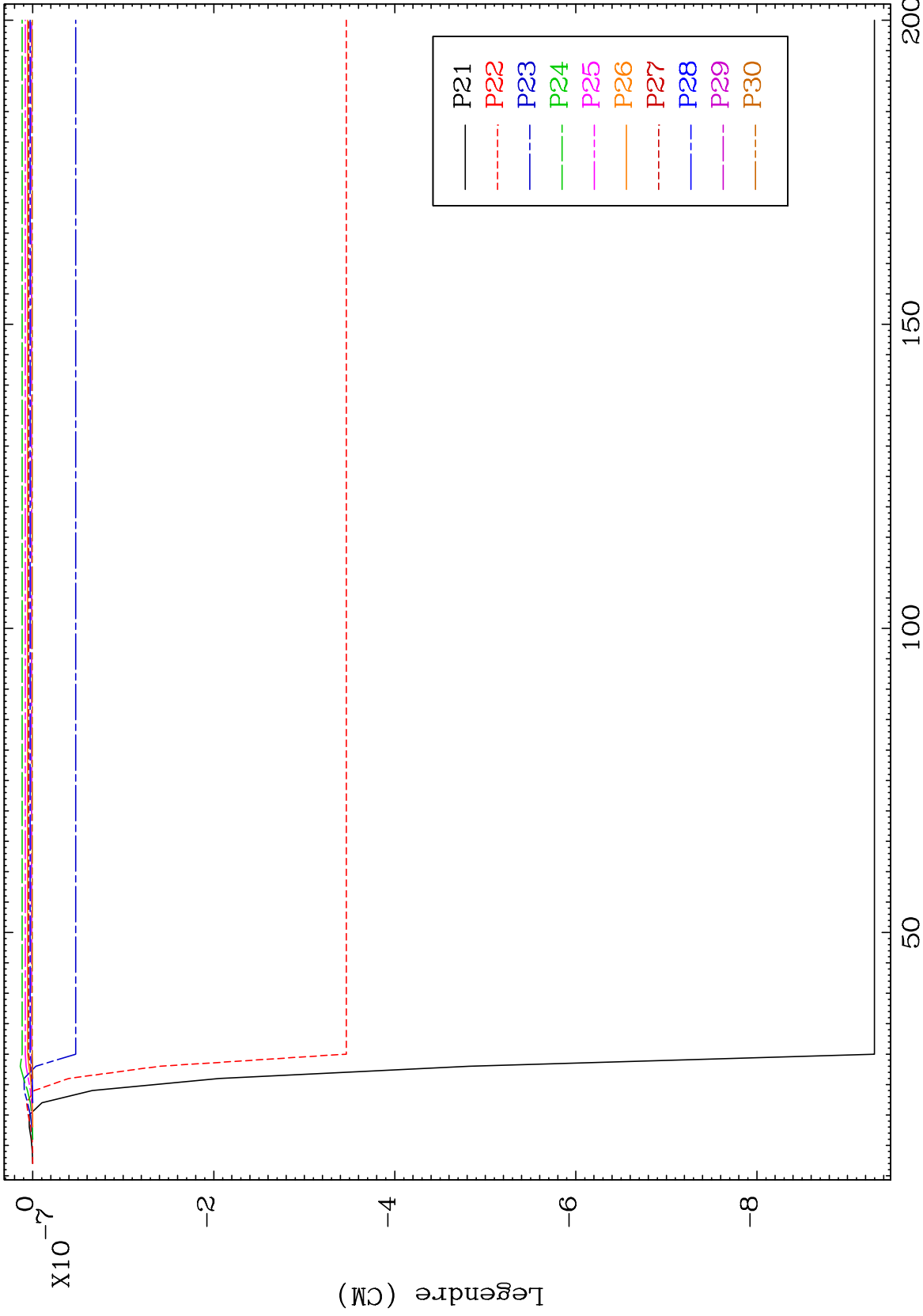
Incident Energy (MeV)

38-Sr-80

MAT 3813

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

38-Sr-80



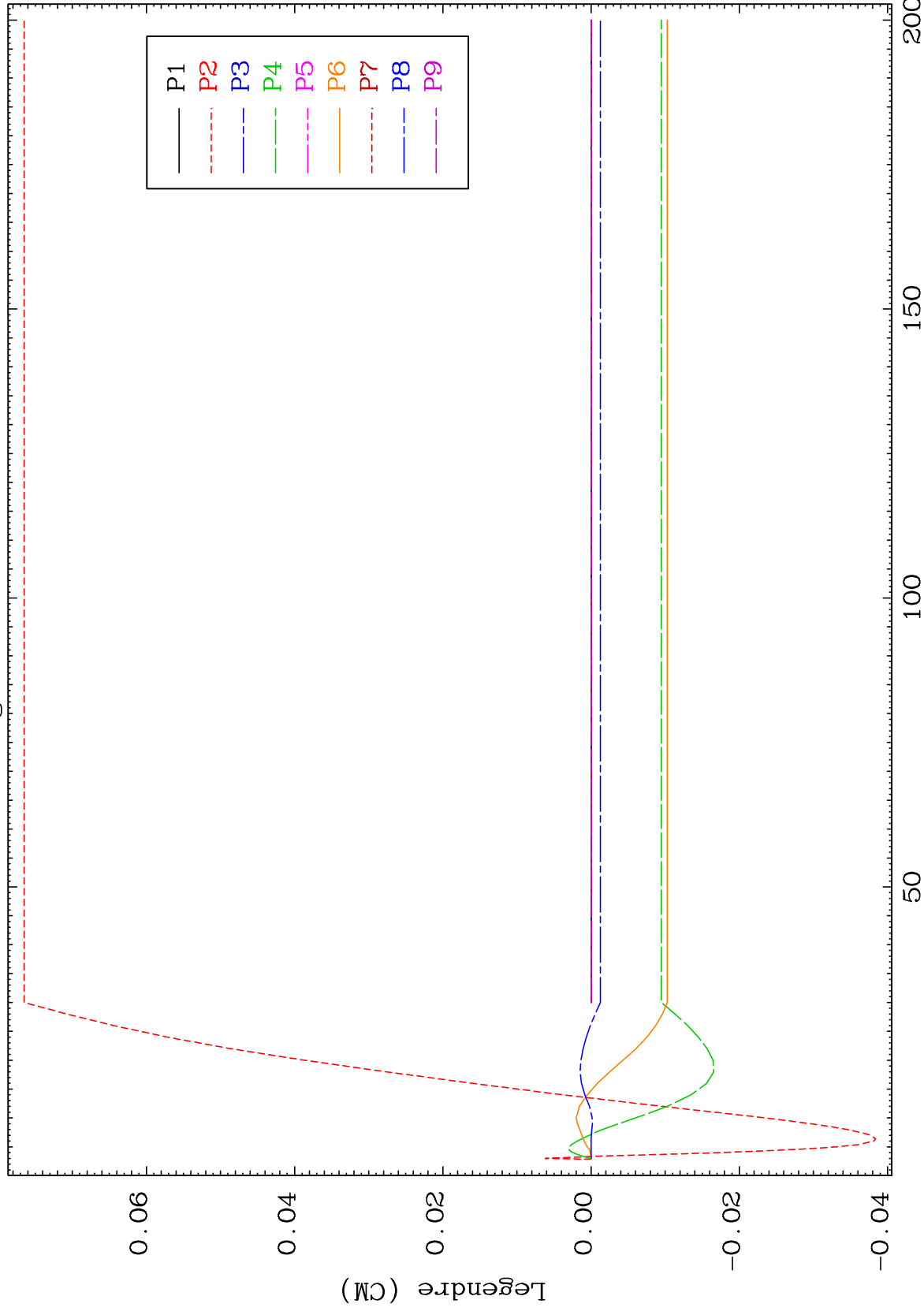
68

38-Sr-80

MAT 3813

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

38-Sr-80



69

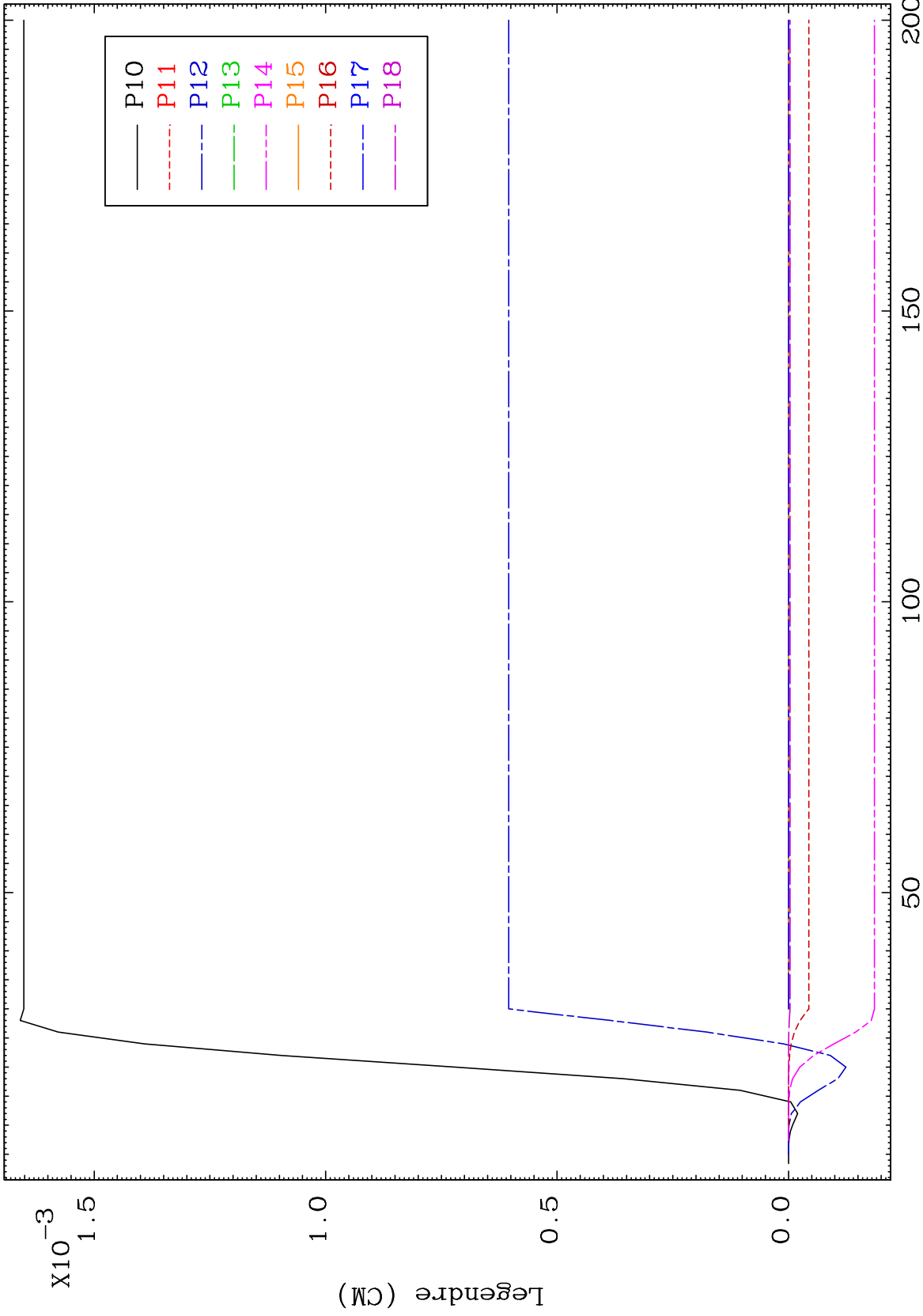
Incident Energy (MeV)

38-Sr-80

MAT 3813

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

38-Sr-80

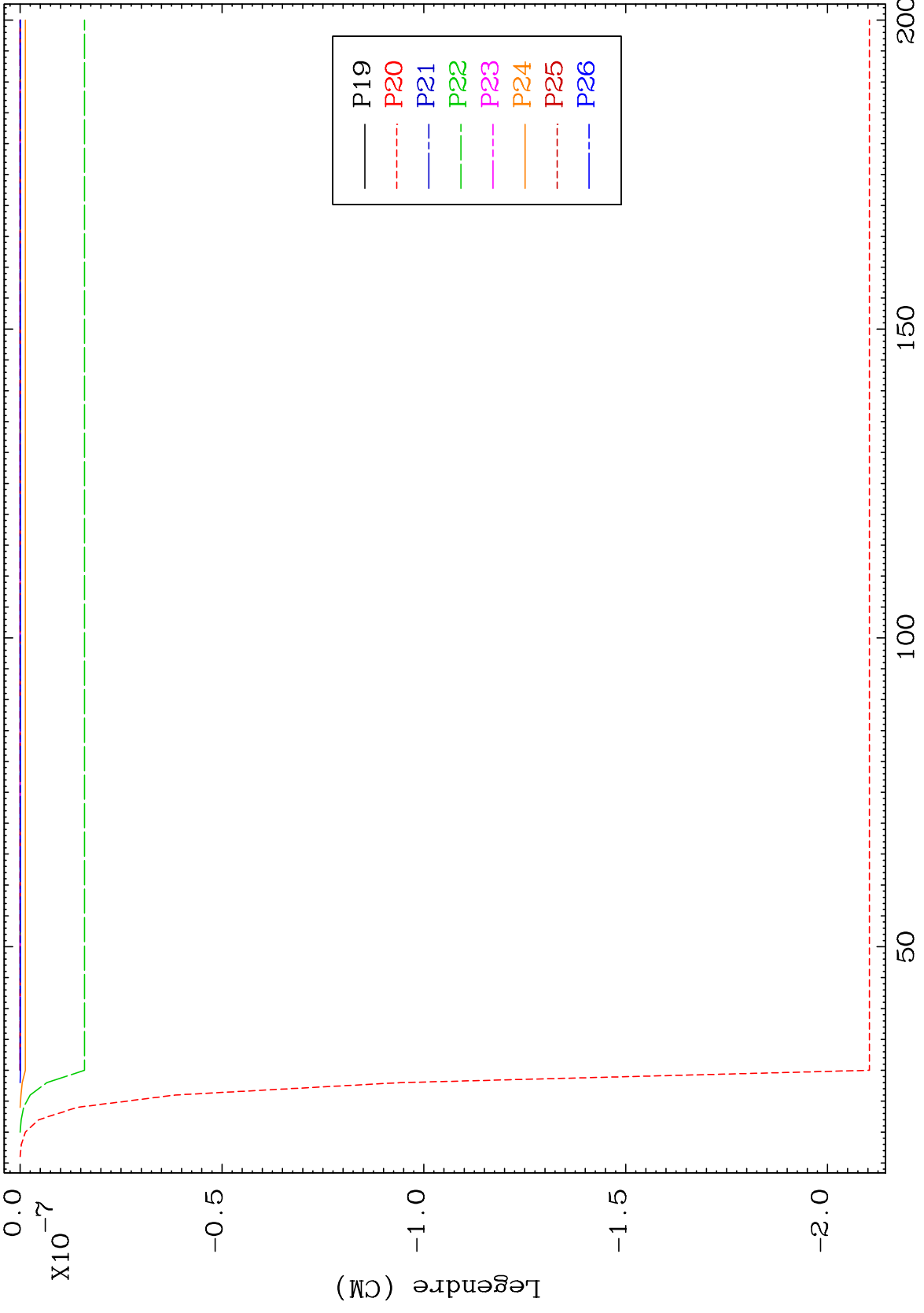


70

Incident Energy (MeV)

38-Sr-80

MAT 3813 MT= 65 (n,n') Level Legendre Coefficients 38-Sr-80

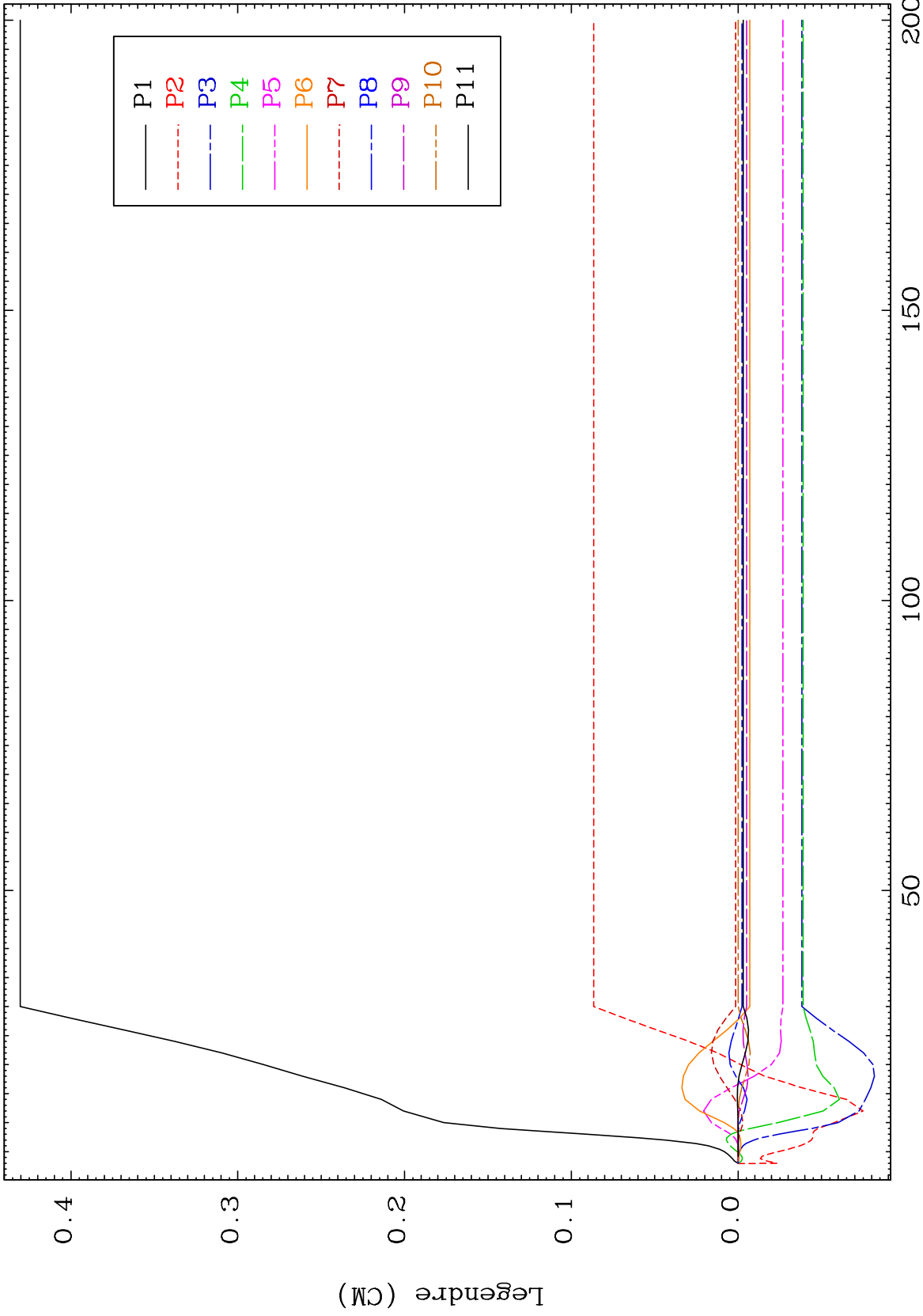


71 38-Sr-80

MAT 3813

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

38-Sr-80



72

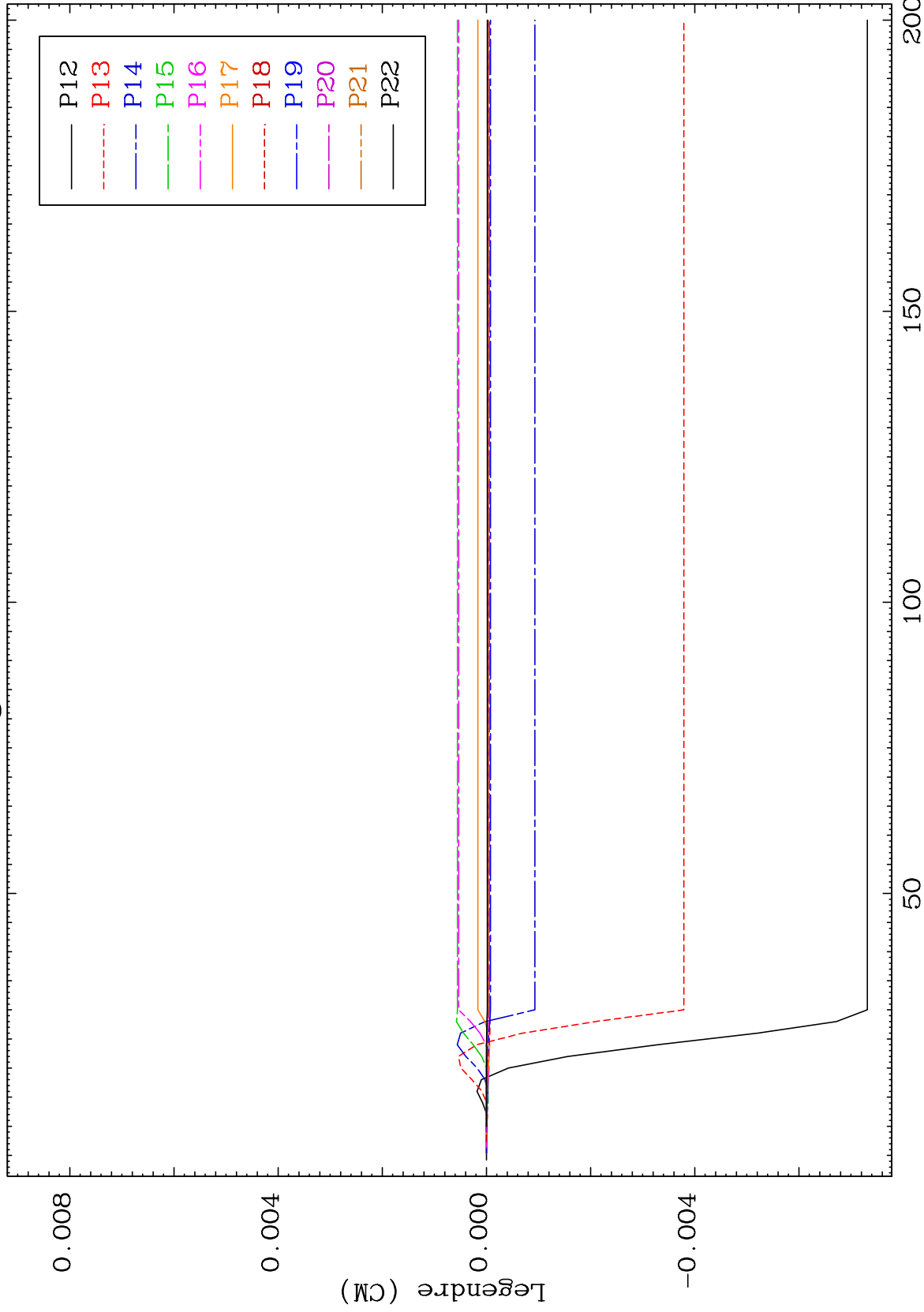
Incident Energy (MeV)

38-Sr-80

MAT 3813

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

38-Sr-80



73

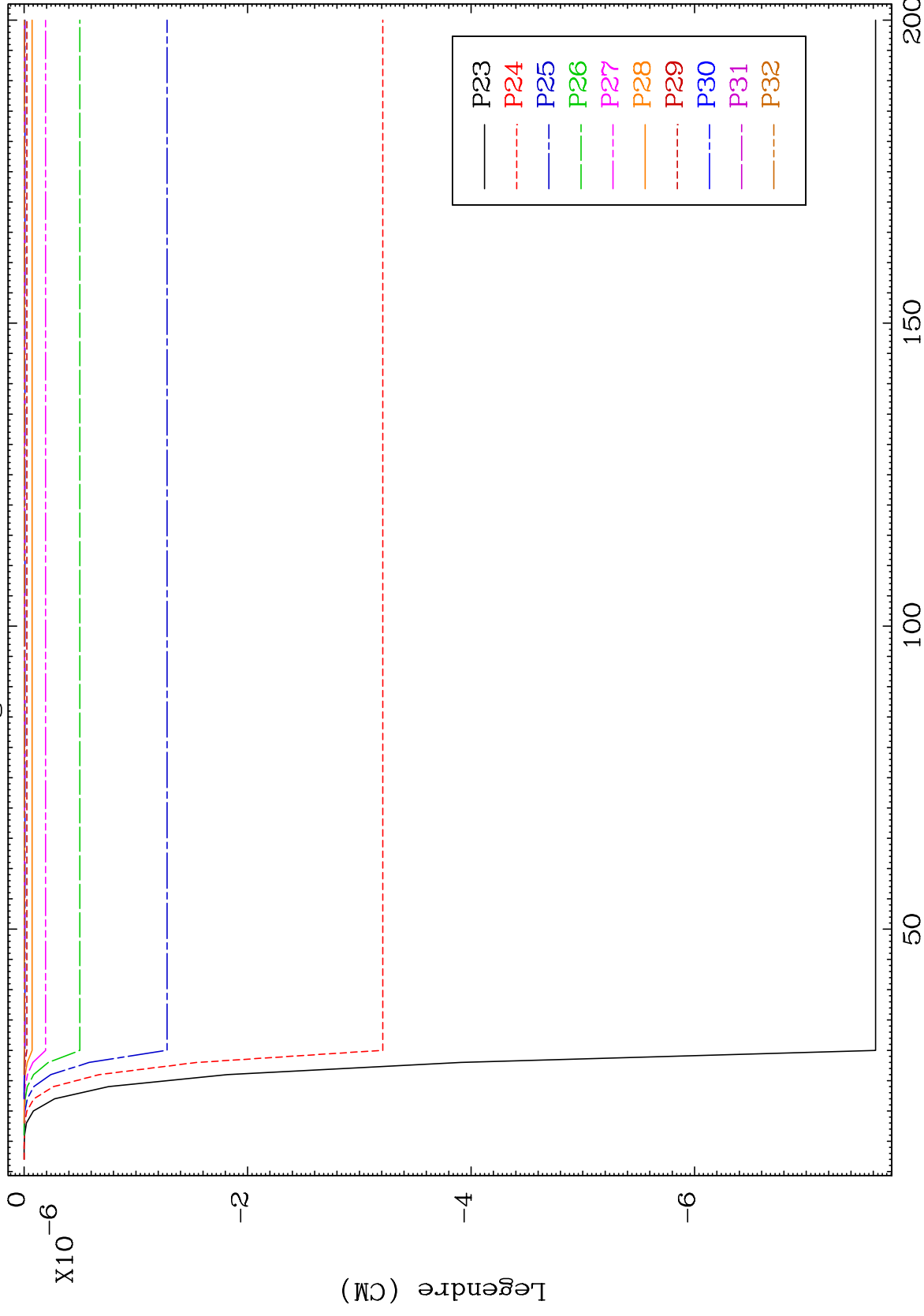
Incident Energy (MeV)

38-Sr-80

MAT 3813

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

38-Sr-80



74

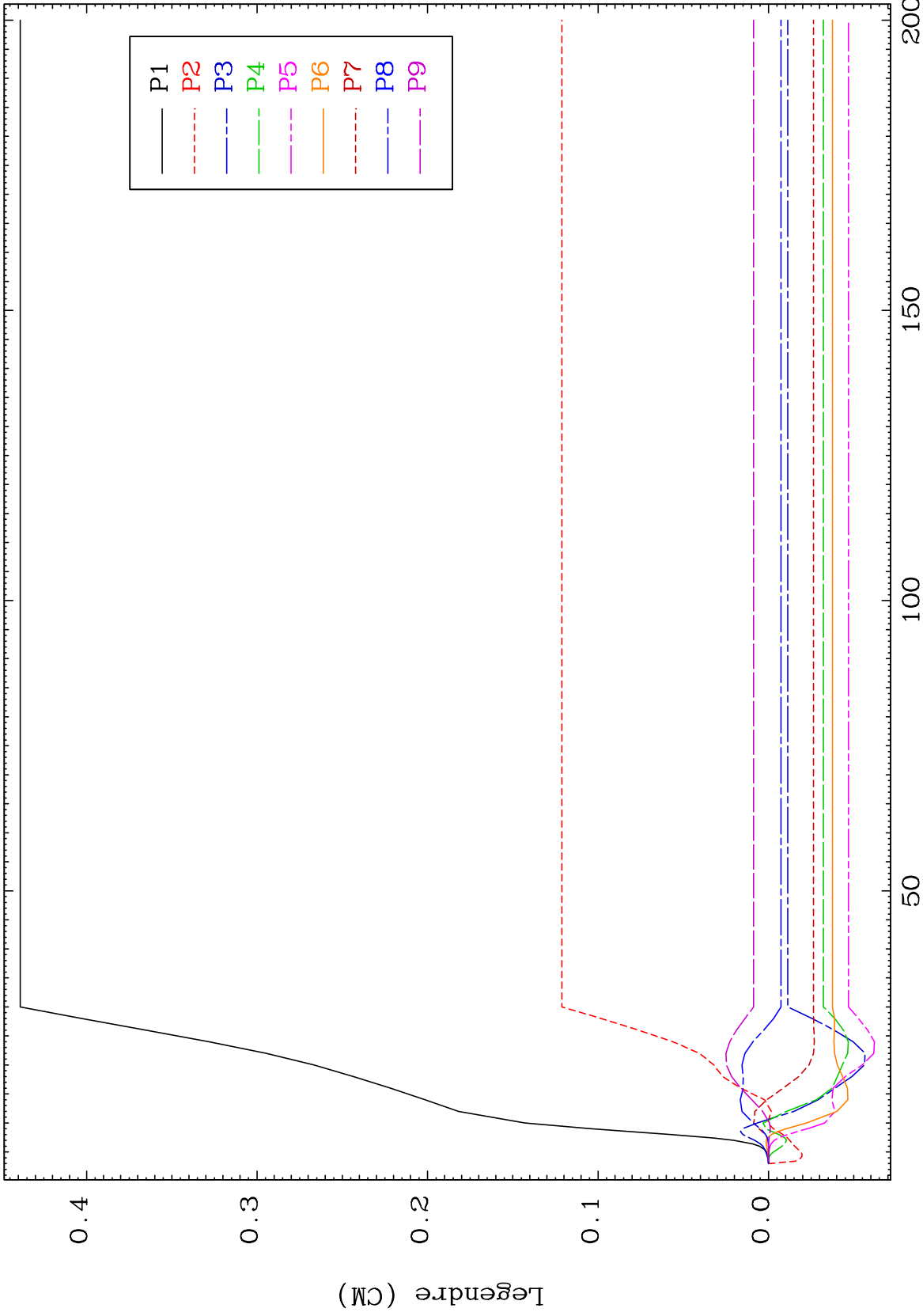
Incident Energy (MeV)

38-Sr-80

MAT 3813

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

38-Sr-80

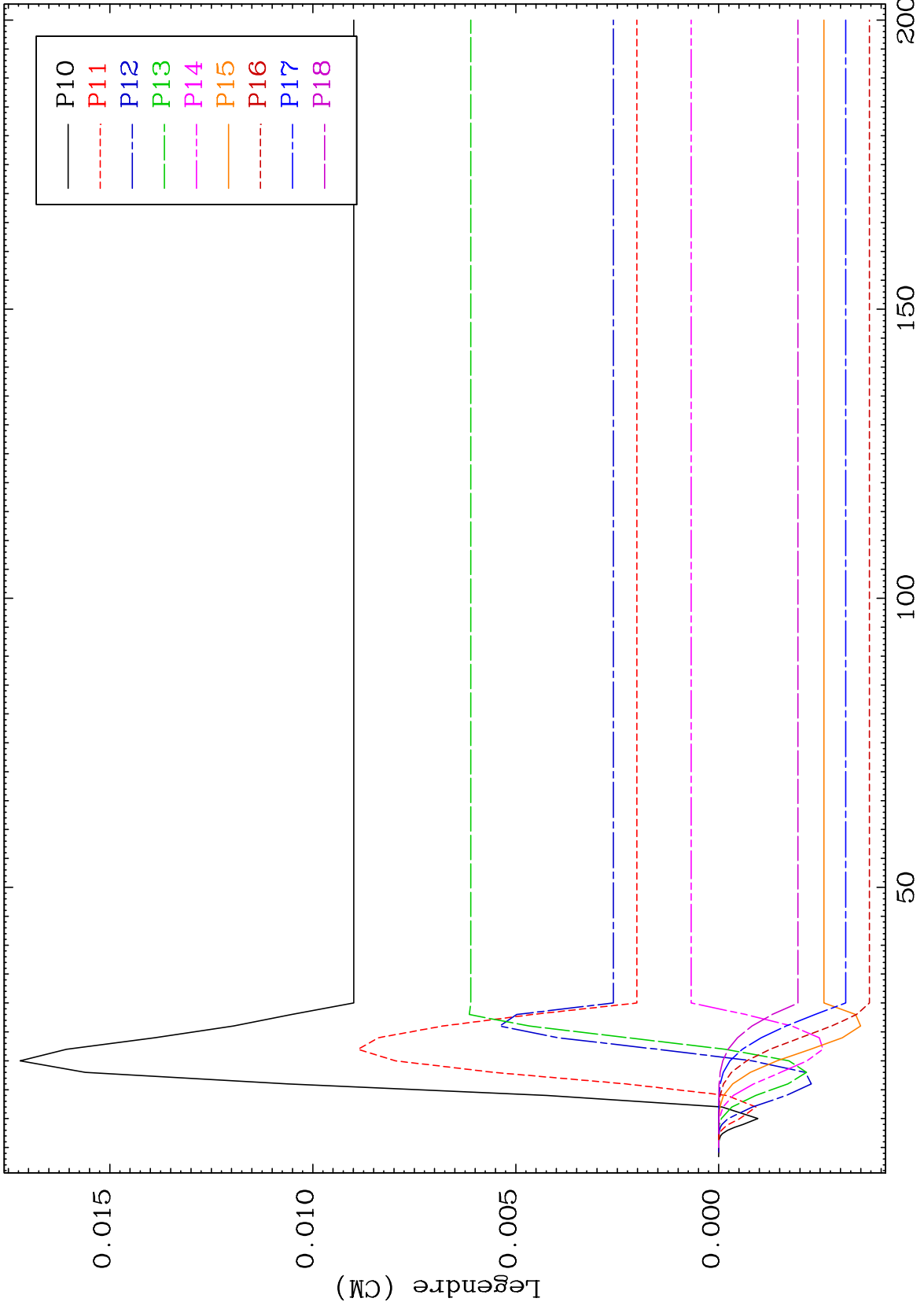


75

Incident Energy (MeV)

38-Sr-80

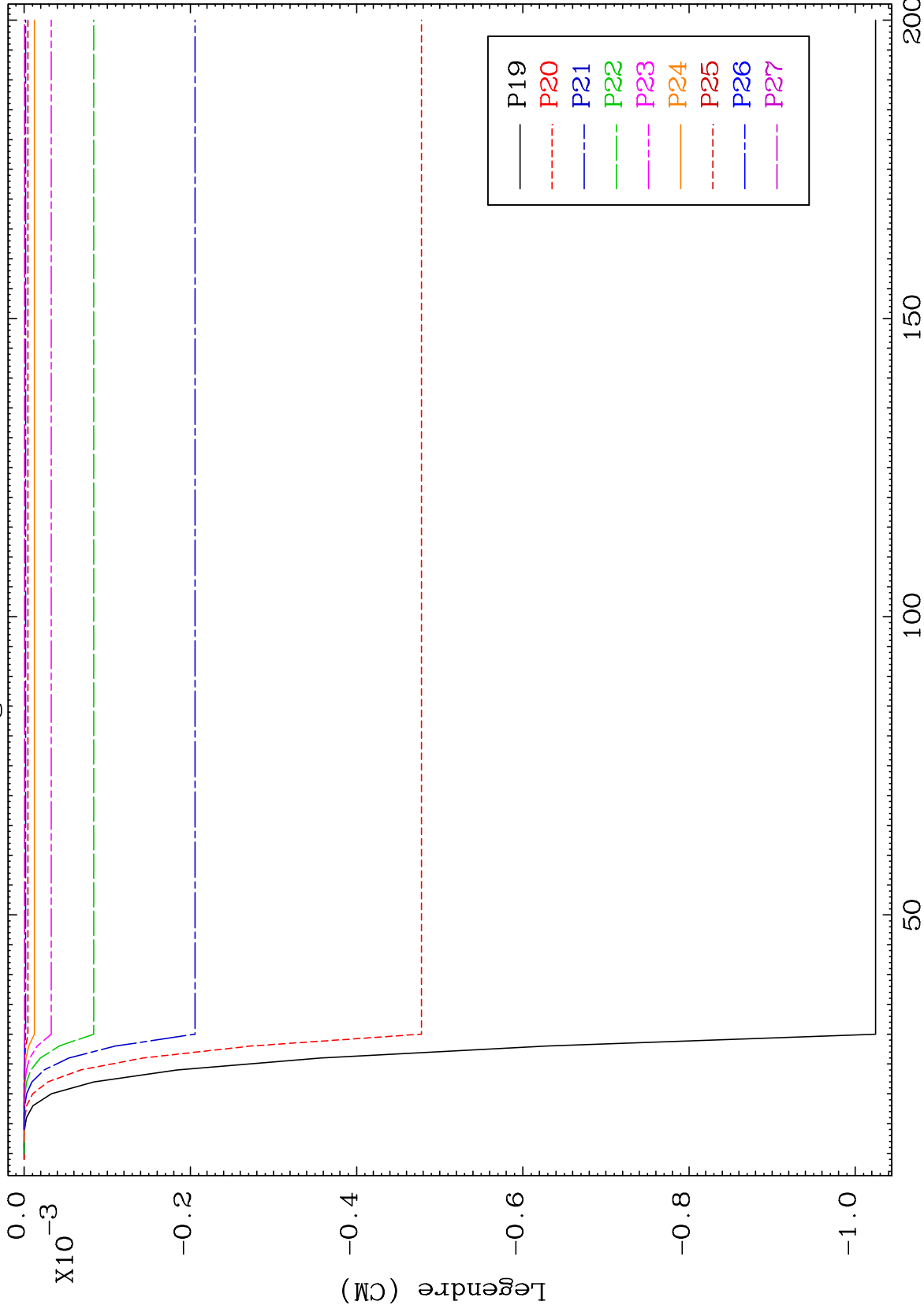
MAT 3813 MT= 67 (n,n') Level Legendre Coefficients 38-Sr-80



MAT 3813

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

38-Sr-80



38-Sr-80

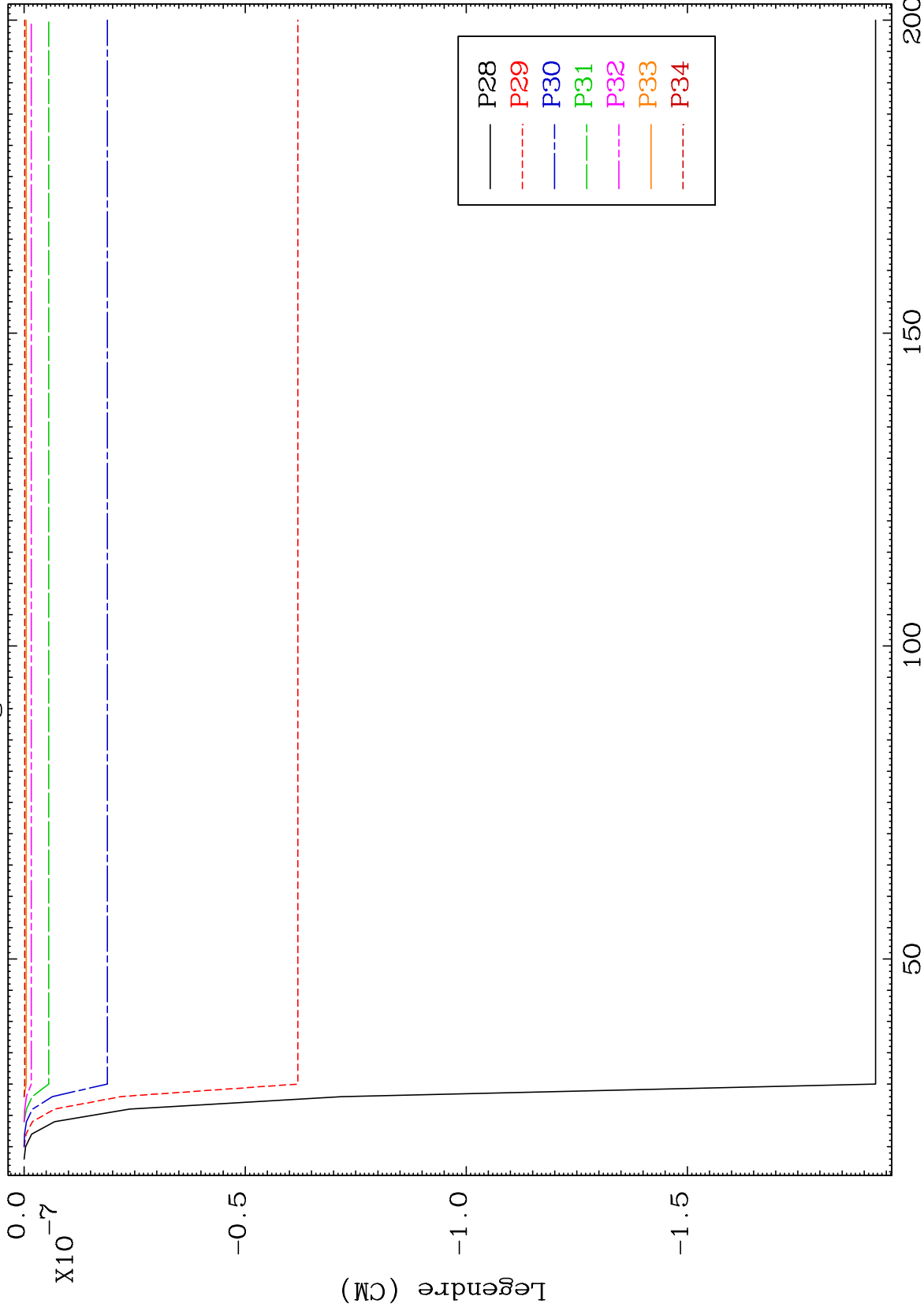
Incident Energy (MeV)

77

MAT 3813

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

38-Sr-80



38-Sr-80

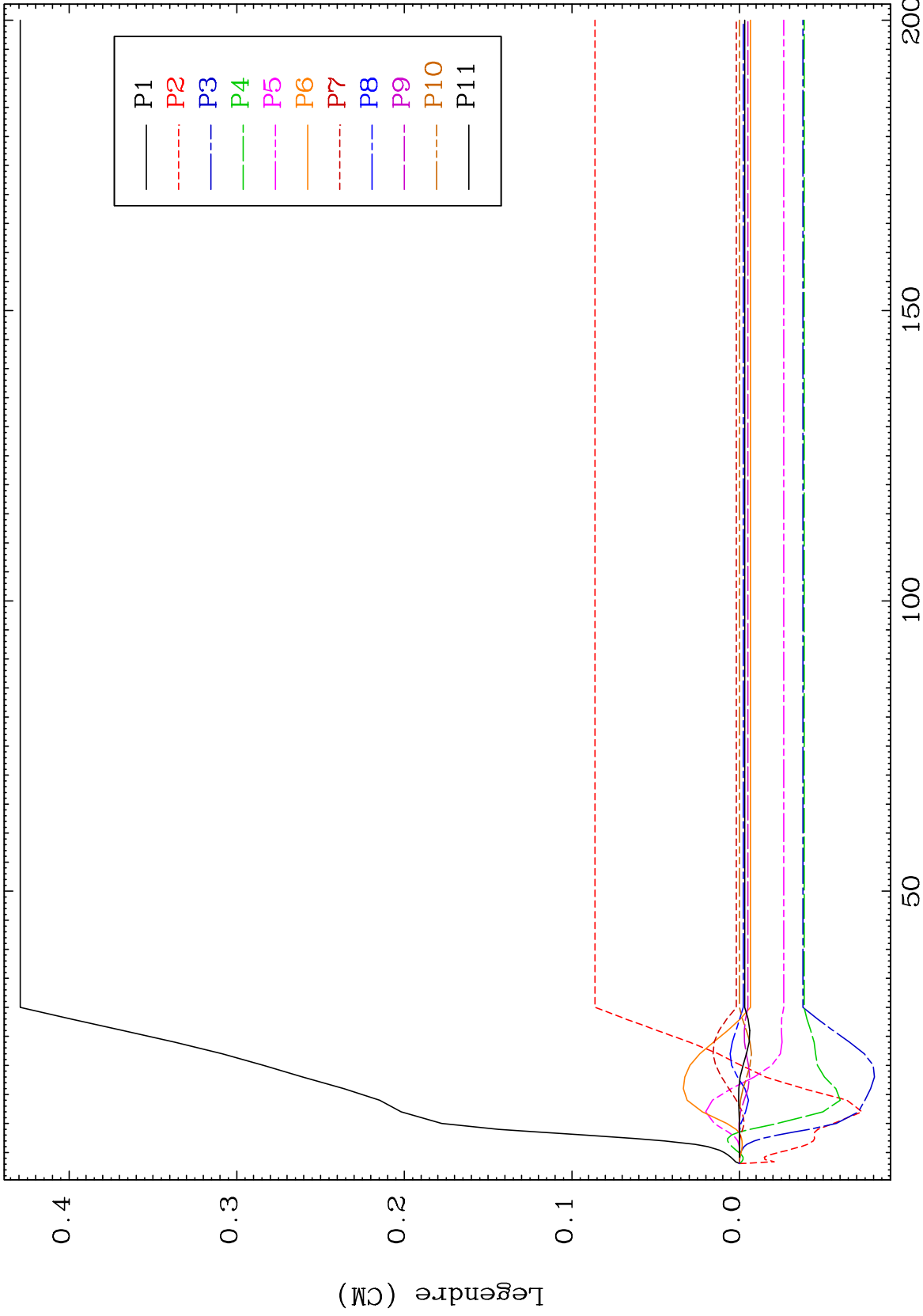
Incident Energy (MeV)

78

MAT 3813

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

38-Sr-80



79

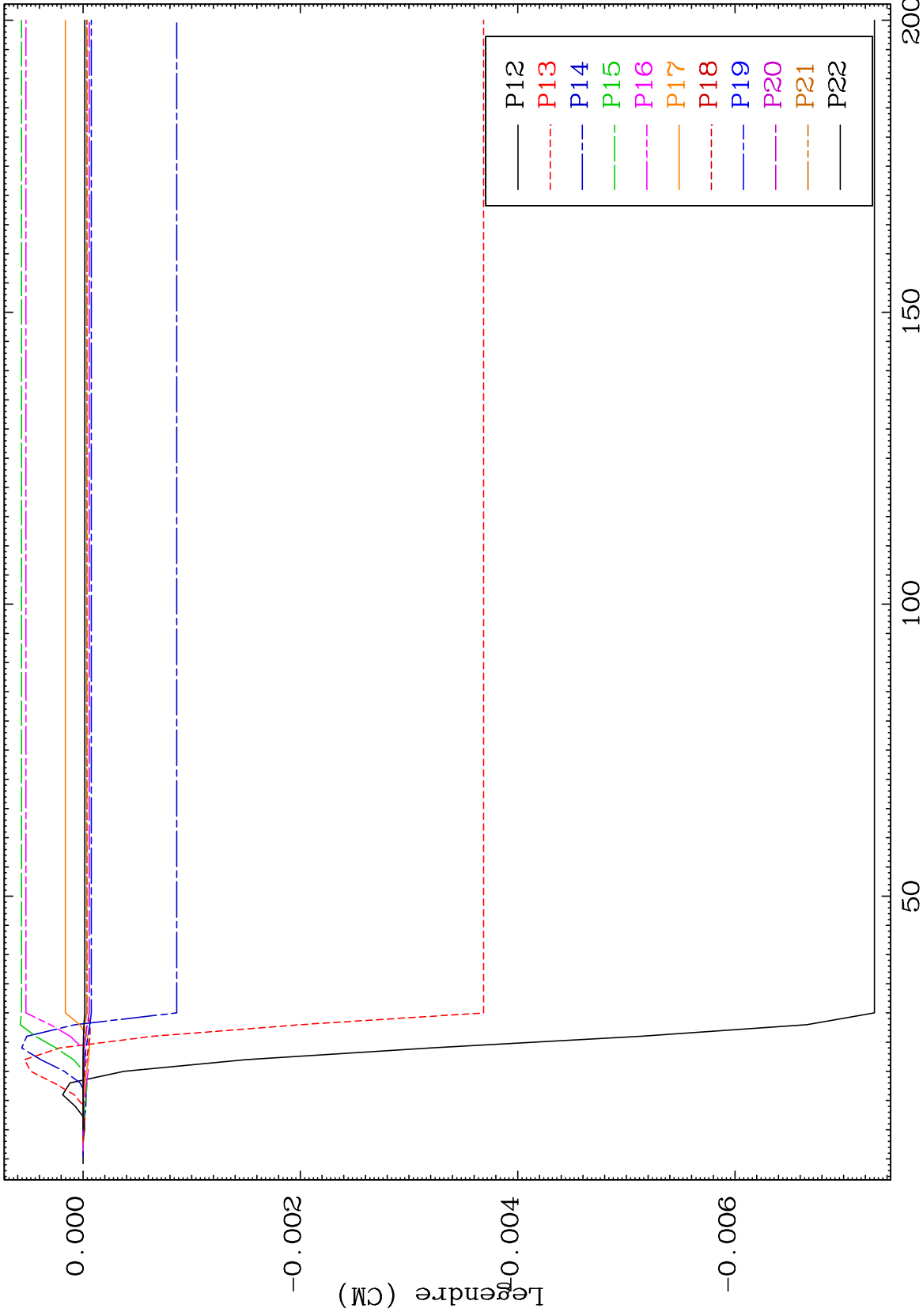
Incident Energy (MeV)

38-Sr-80

MAT 3813

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

38-Sr-80



38-Sr-80

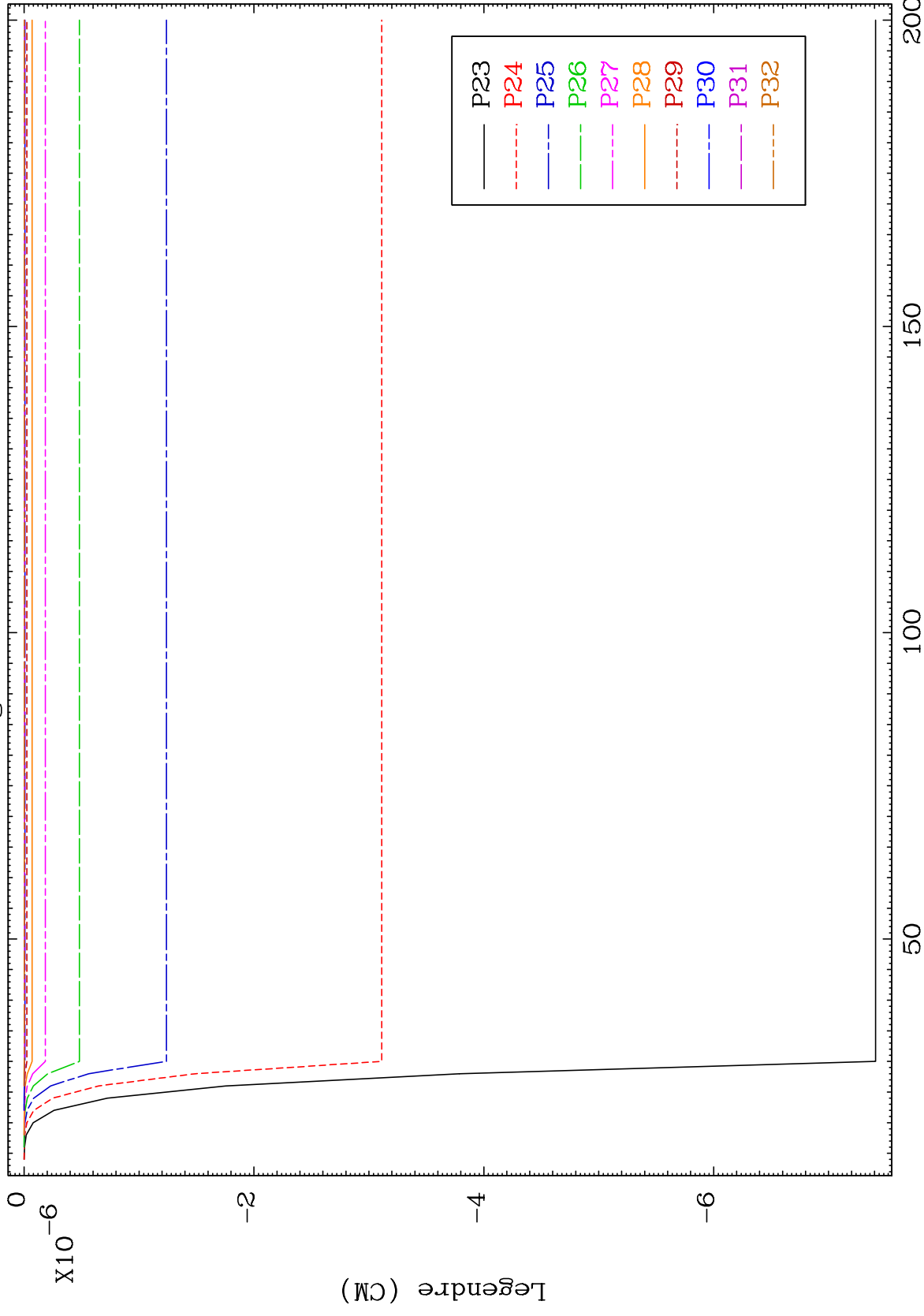
Incident Energy (MeV)

80

MAT 3813

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

38-Sr-80



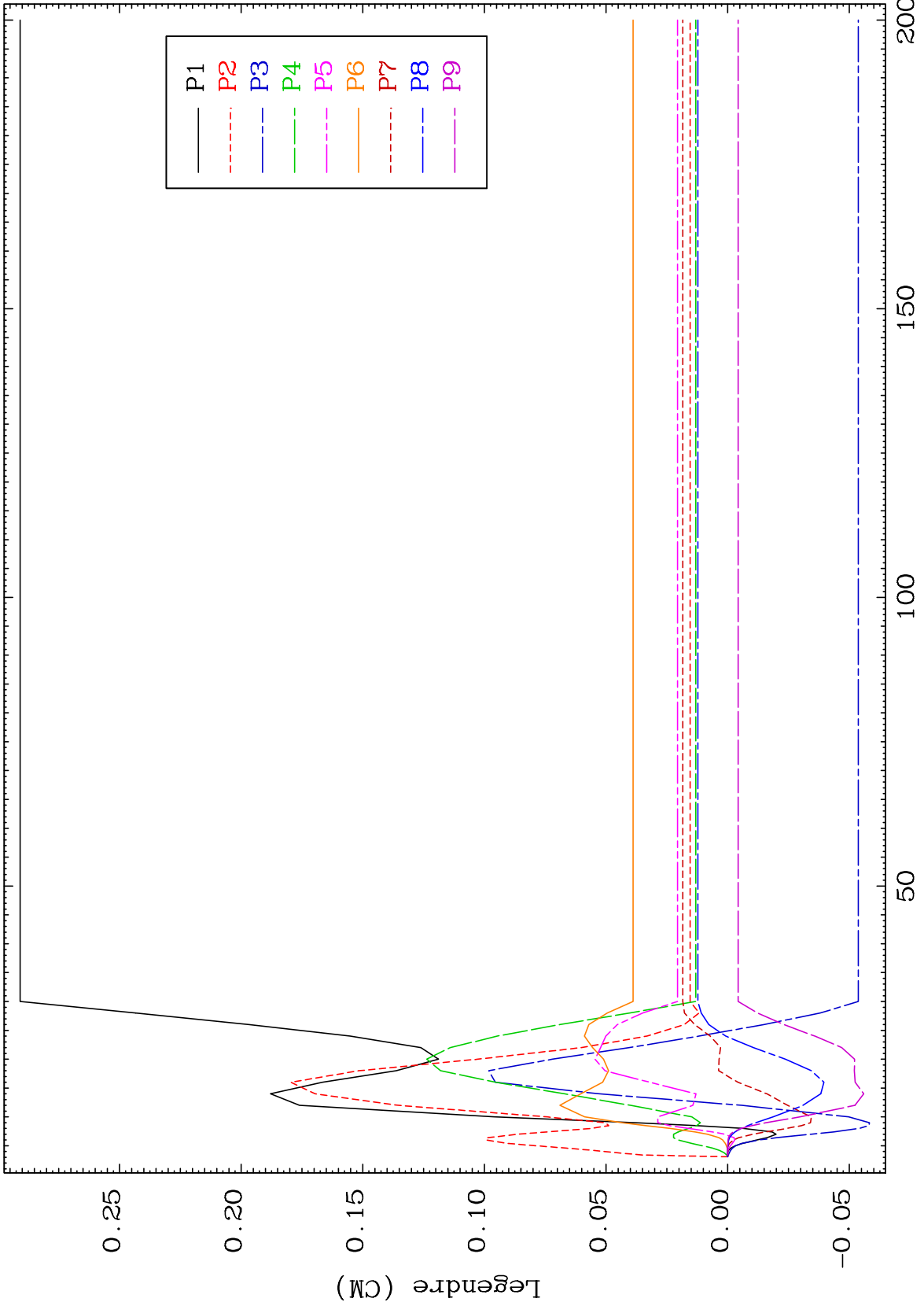
81

38-Sr-80

MAT 3813

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

38-Sr-80



82

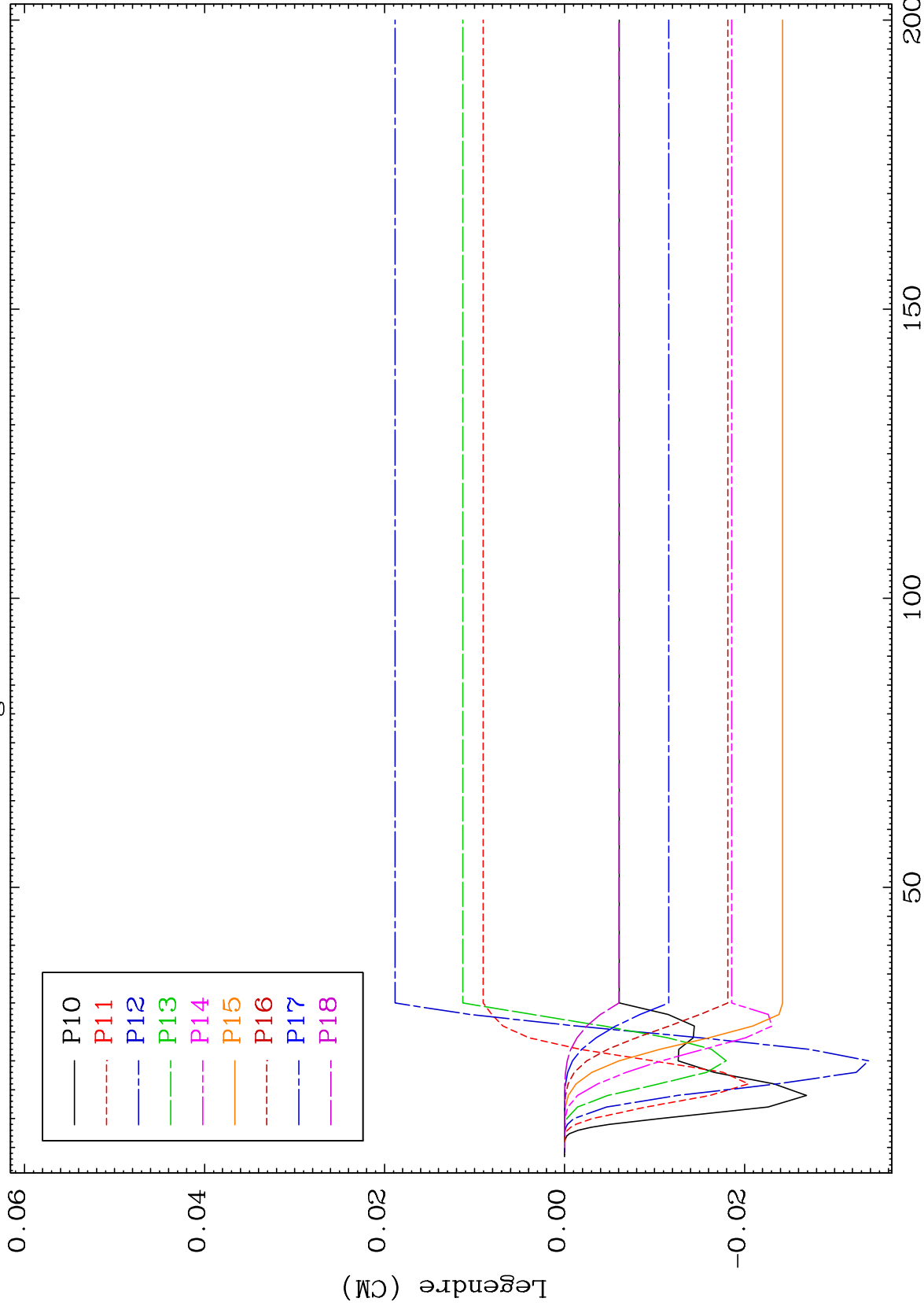
Incident Energy (MeV)

38-Sr-80

MAT 3813

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

38-Sr-80



83

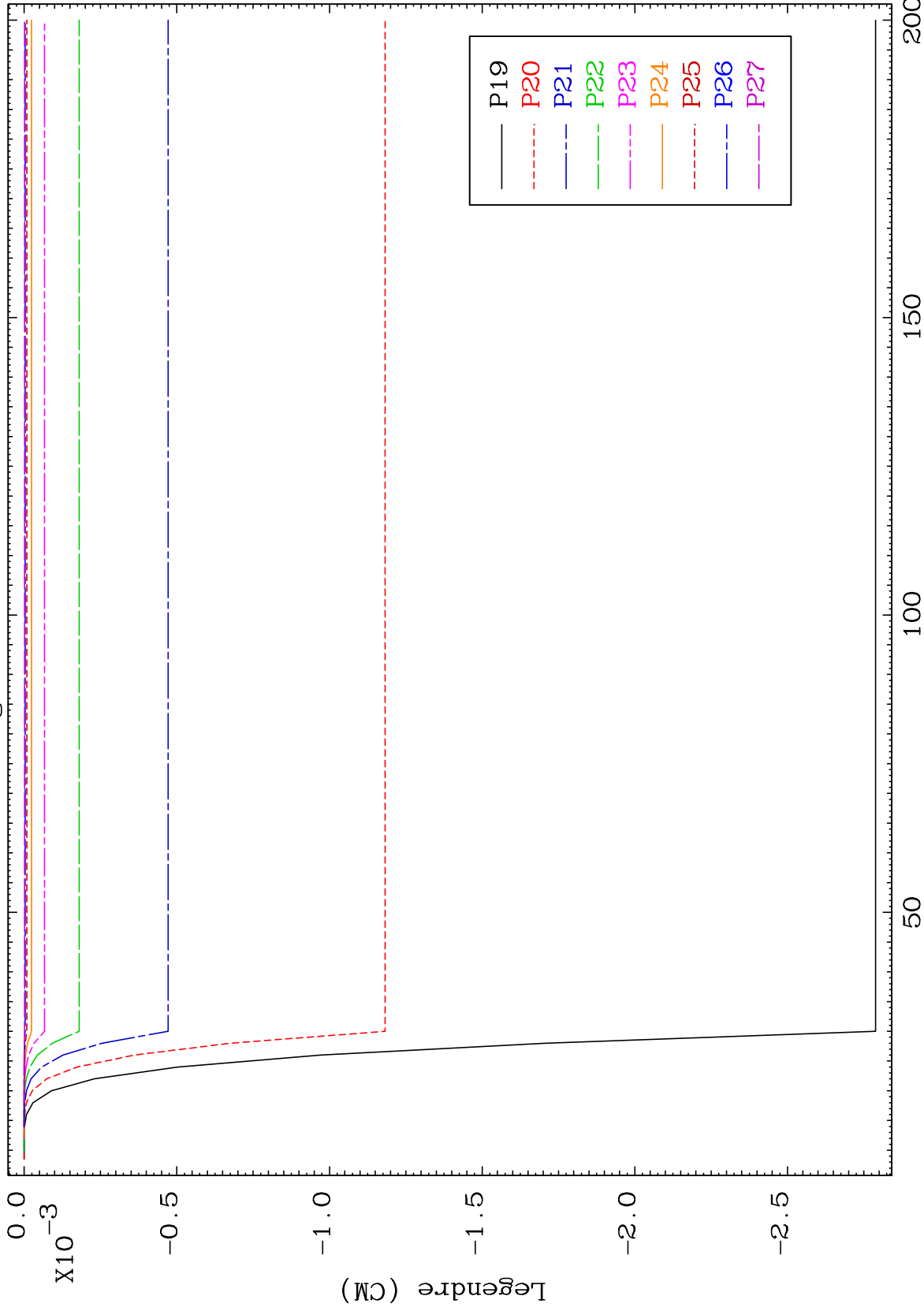
Incident Energy (MeV)

38-Sr-80

MAT 3813

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

38-Sr-80



38-Sr-80

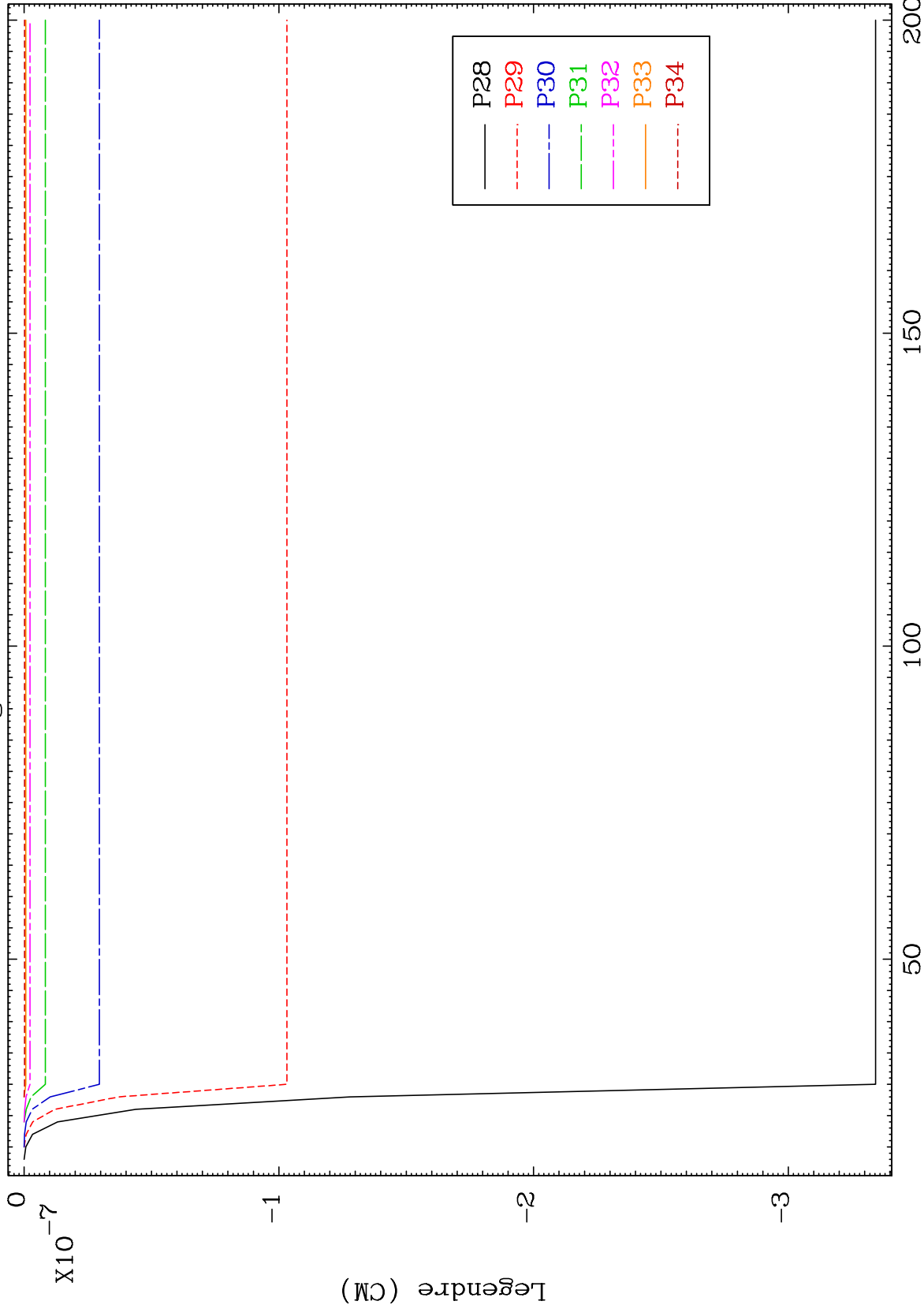
Incident Energy (MeV)

84

MAT 3813

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

38-Sr-80

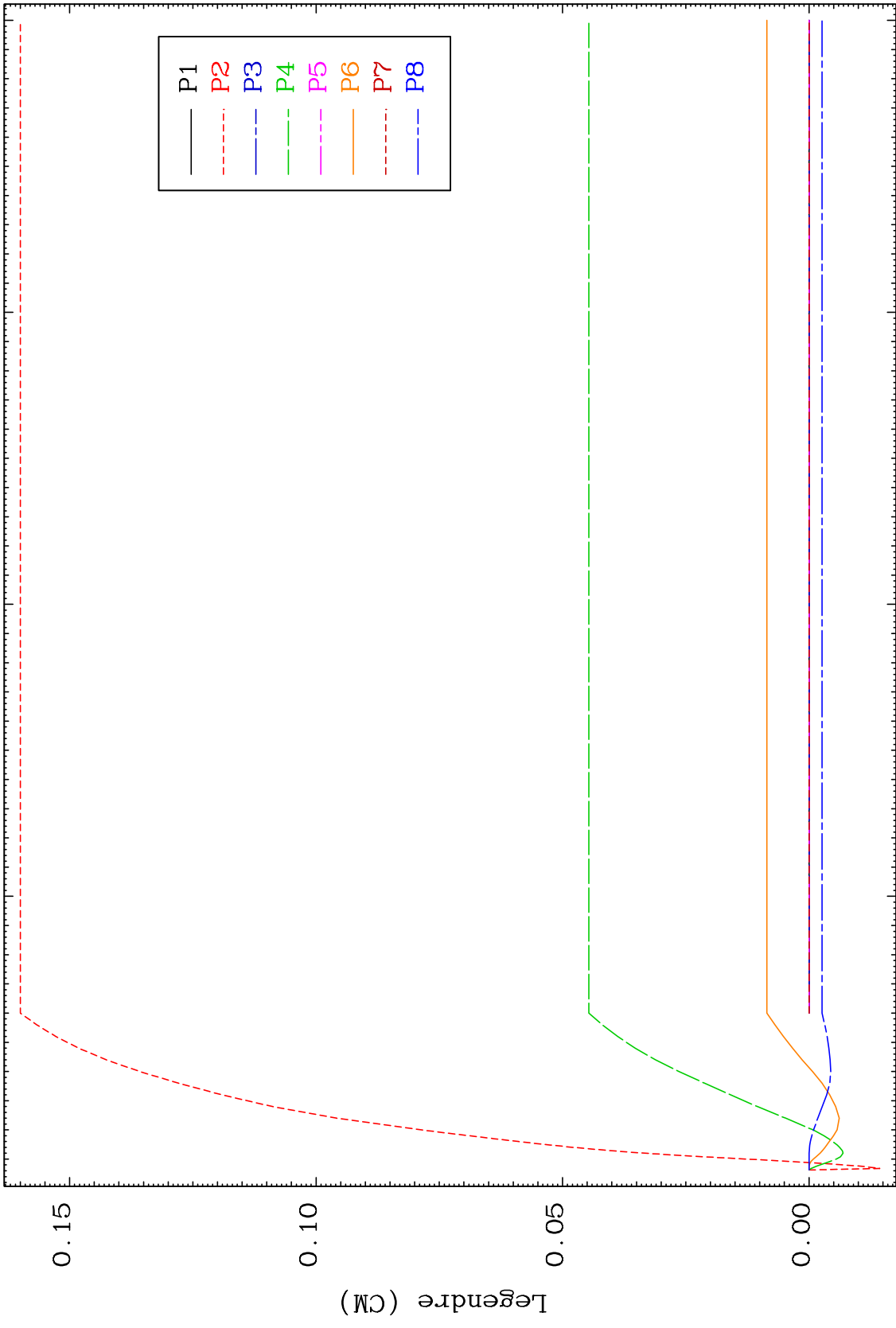


38-Sr-80

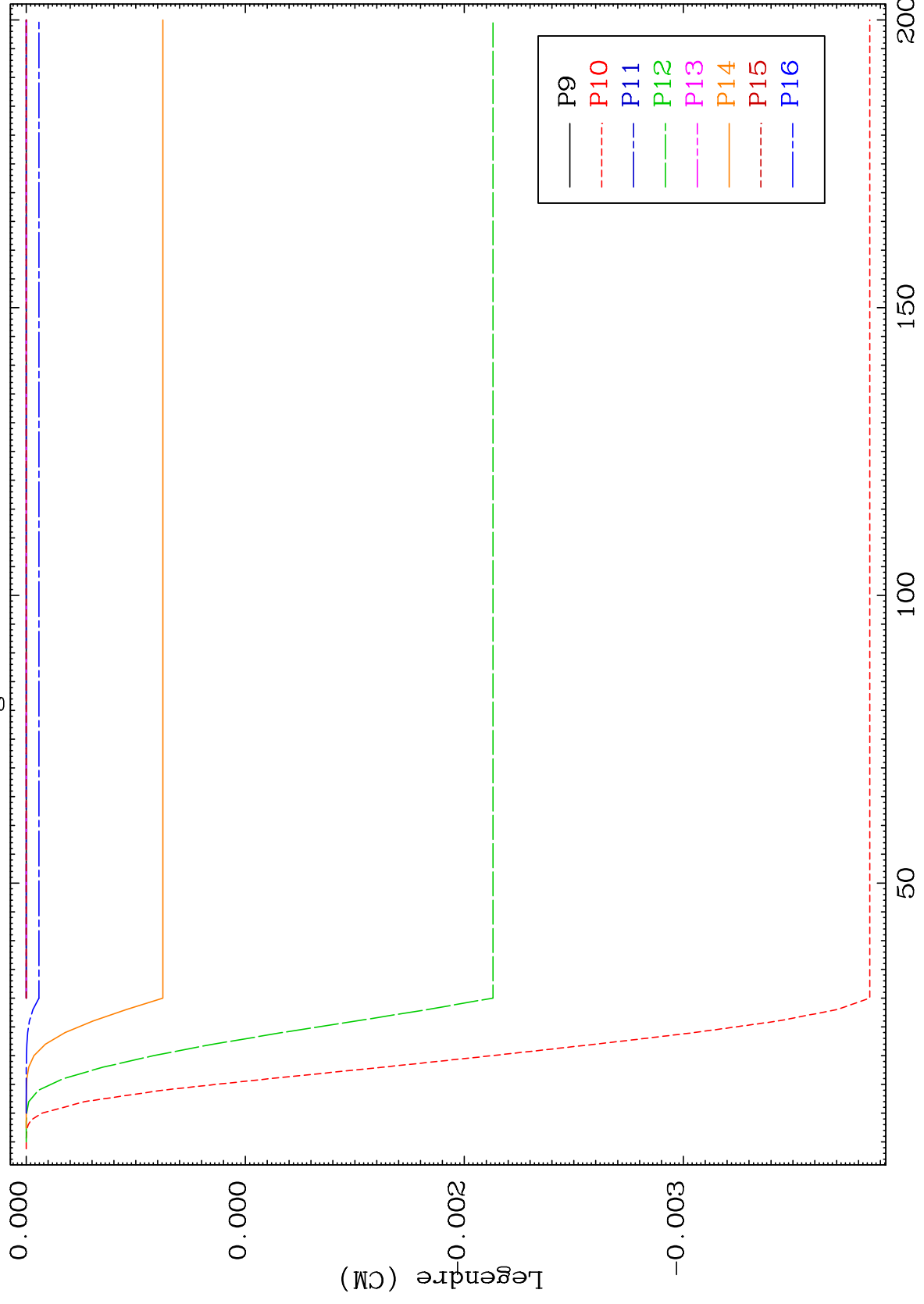
Incident Energy (MeV)

85

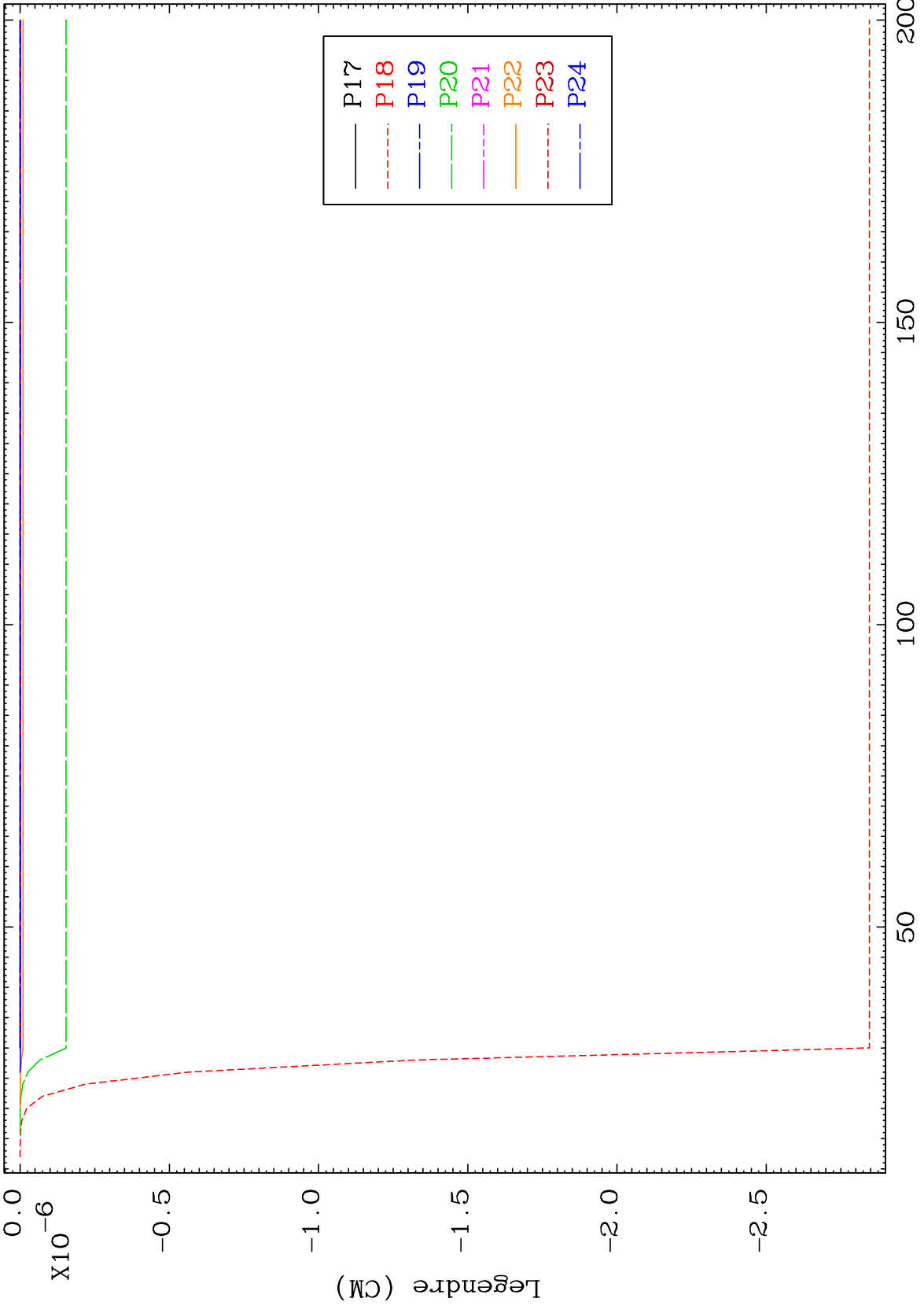
MAT 3813 MT= 70 (n,n') Level Legendre Coefficients 38-Sr-80



MAT 3813 MT= 70 (n,n') Level Legendre Coefficients 38-Sr-80



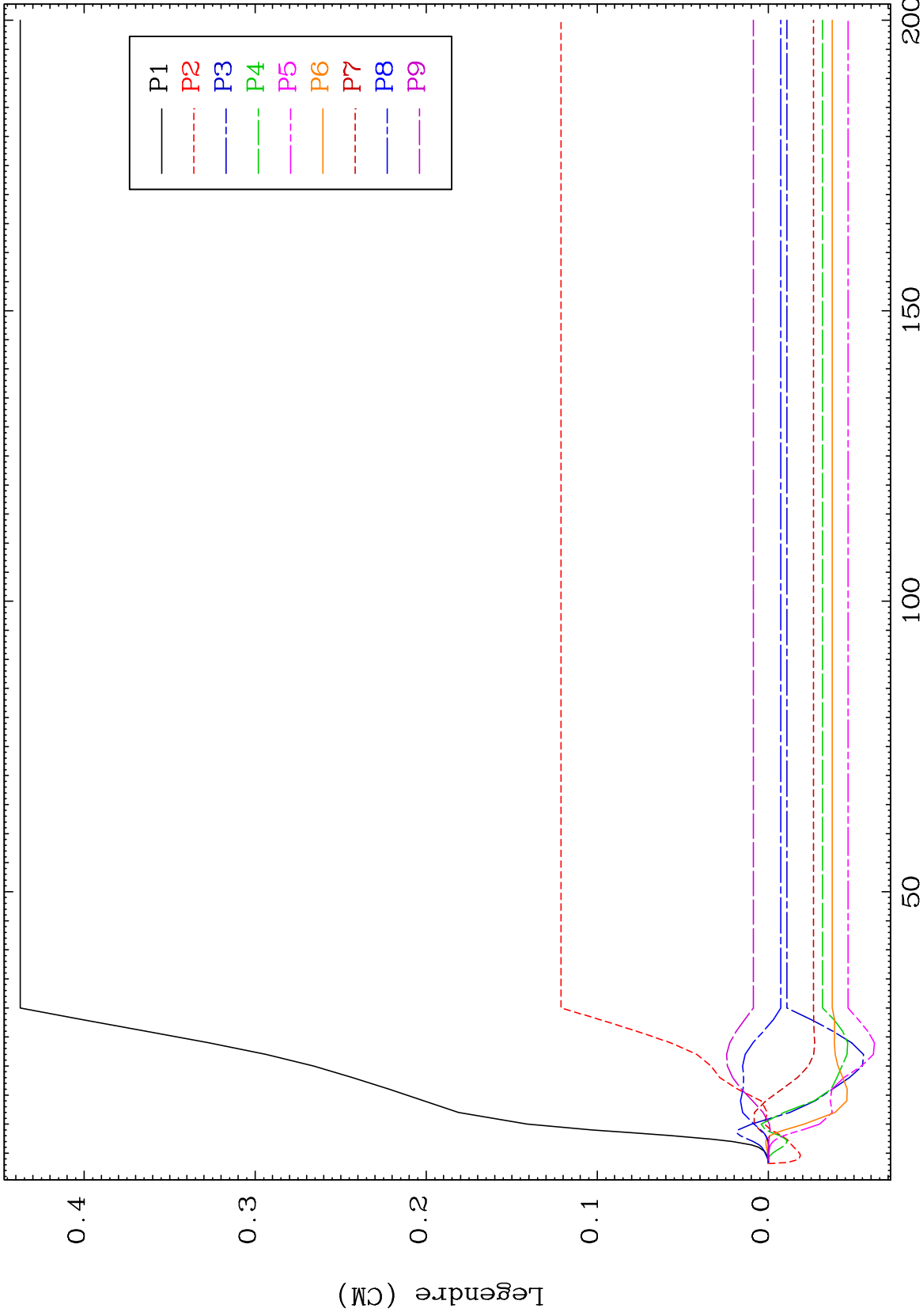
MAT 3813 MT= 70 (n,n') Level Legendre Coefficients 38-Sr-80



MAT 3813

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

38-Sr-80

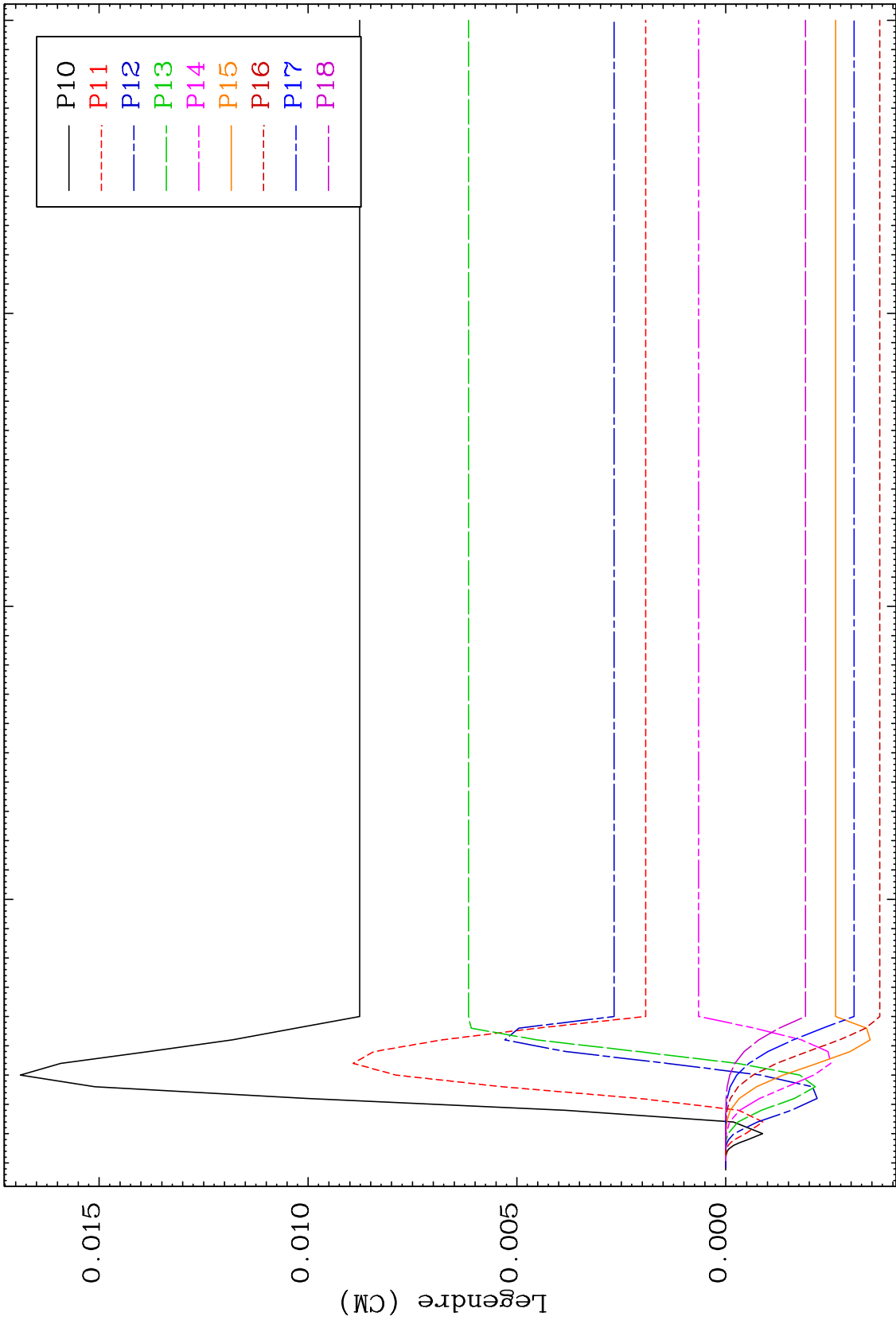


89

Incident Energy (MeV)

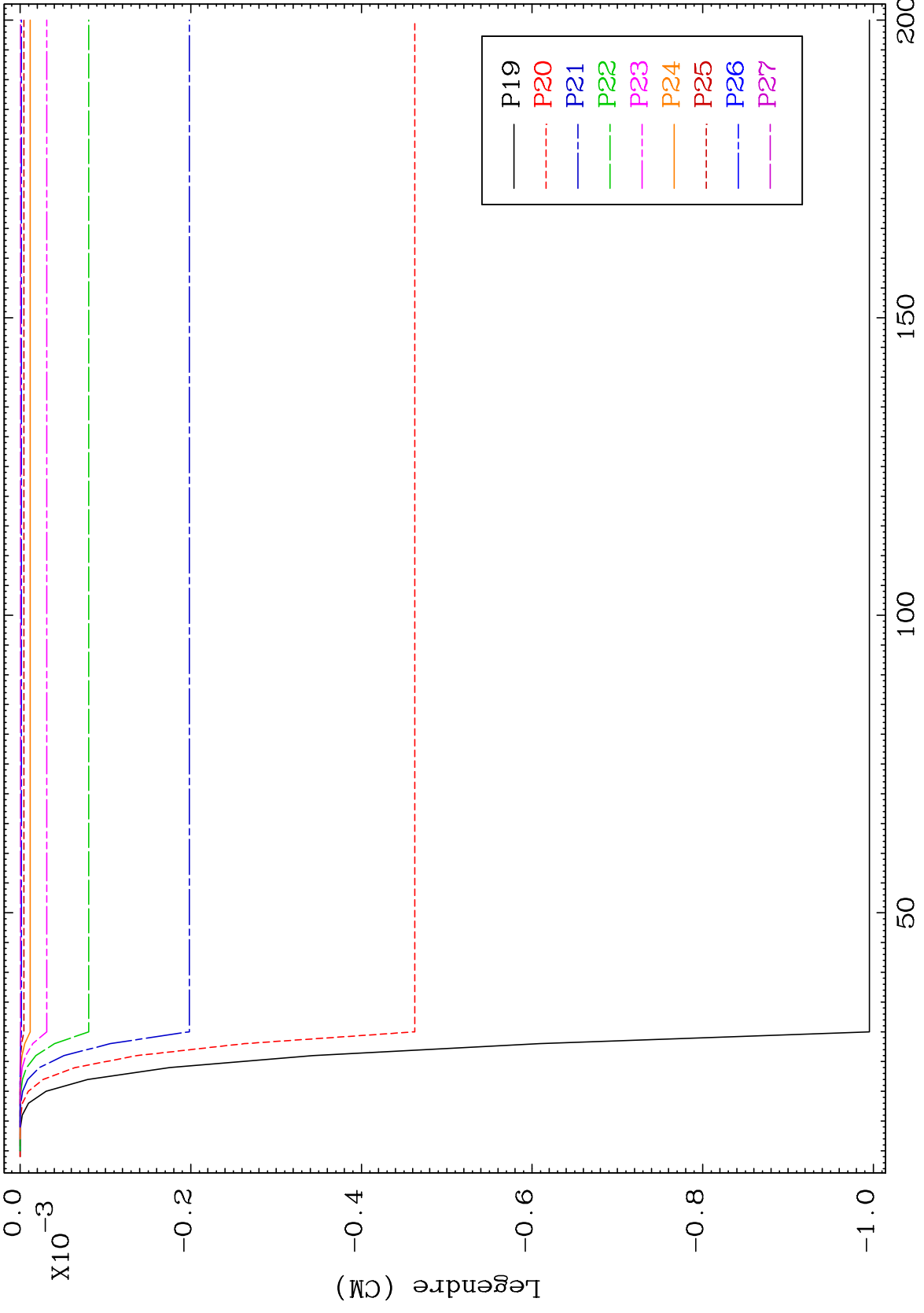
38-Sr-80

MAT 3813 MT= 71 (n,n') Level Legendre Coefficients 38-Sr-80



90 50 100 150 200 Incident Energy (MeV) 38-Sr-80

MAT 3813 MT= 71 (n,n') Level Legendre Coefficients 38-Sr-80

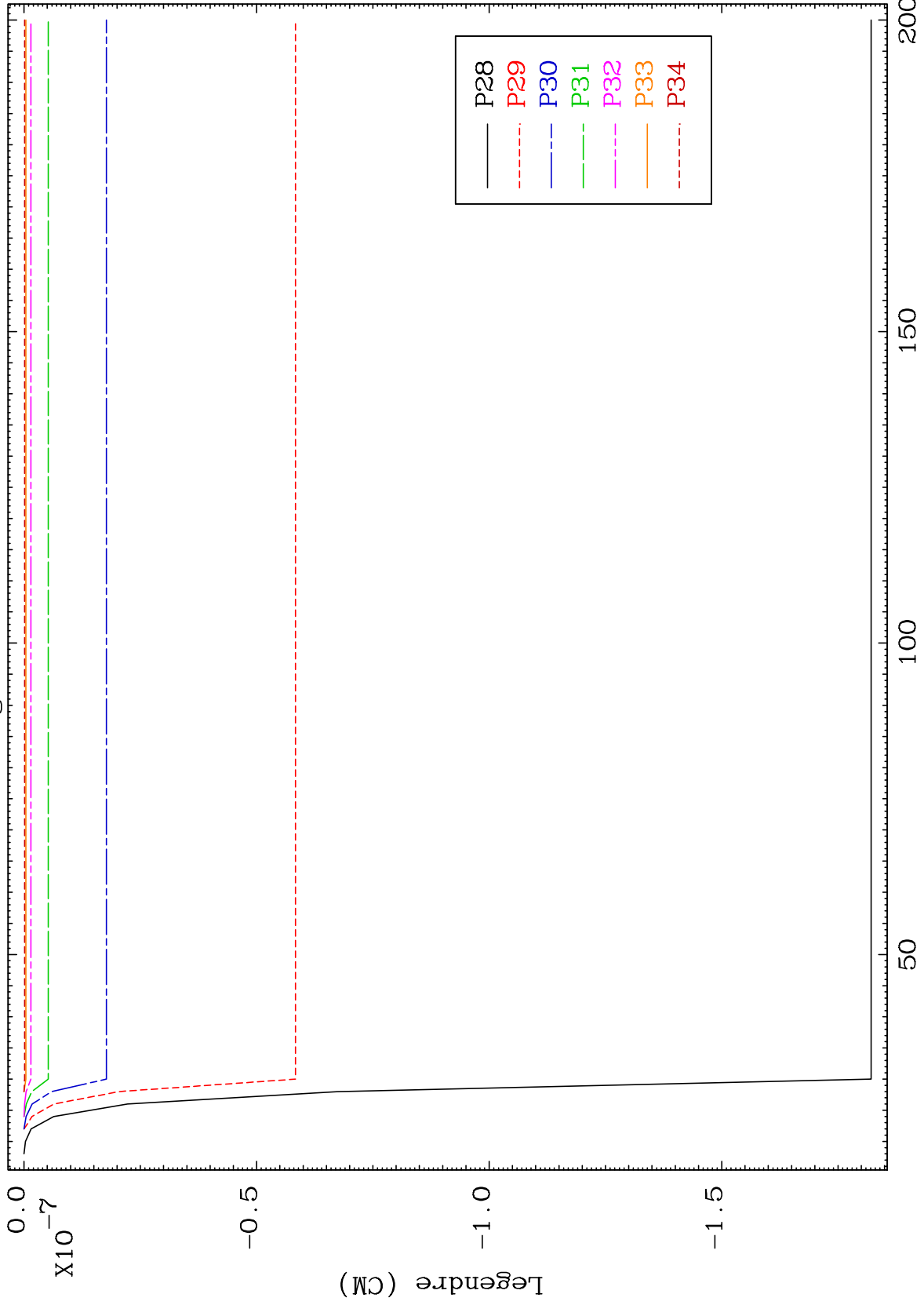


91 38-Sr-80

MAT 3813

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

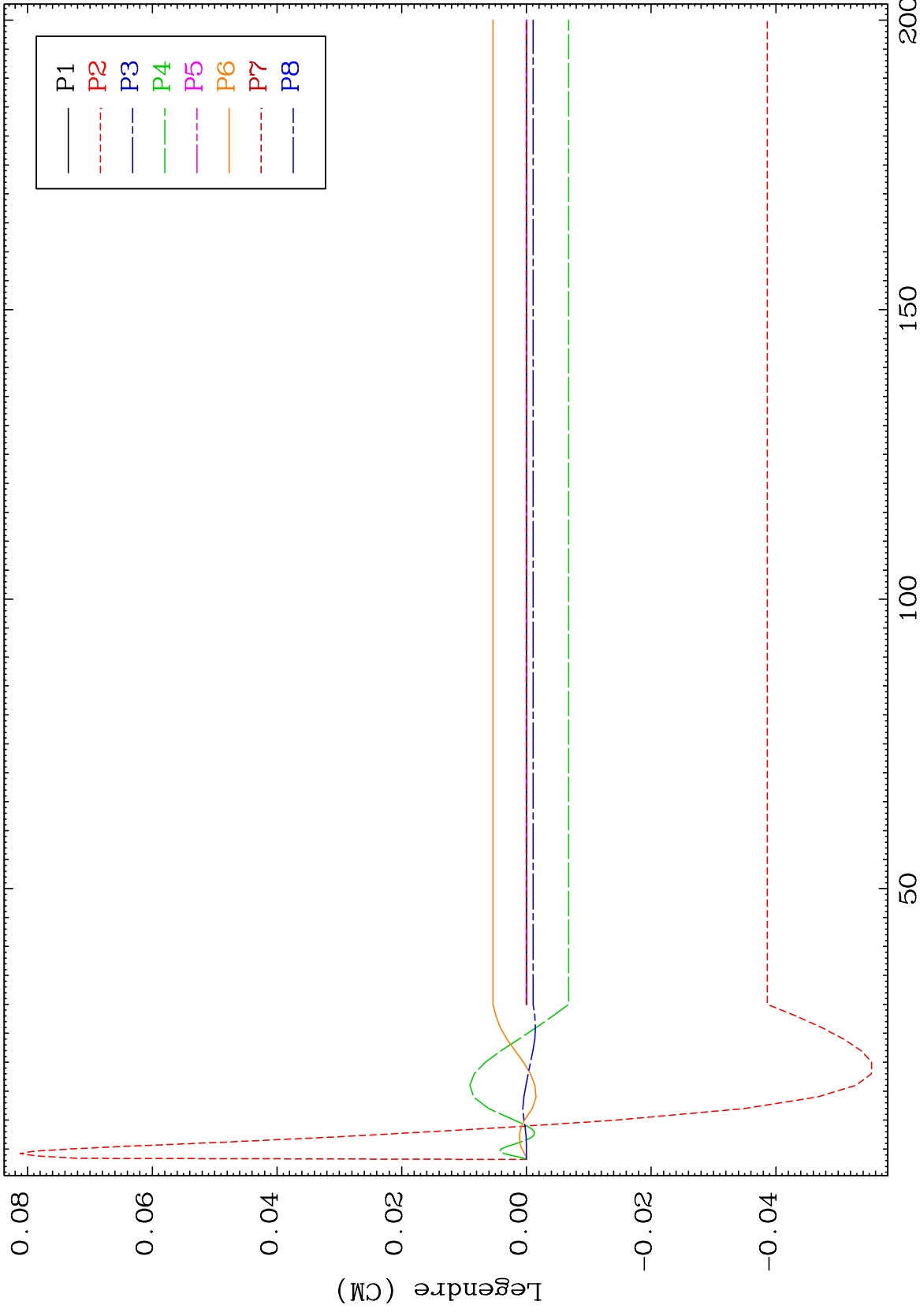
38-Sr-80



MAT 3813

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

38-Sr-80



93

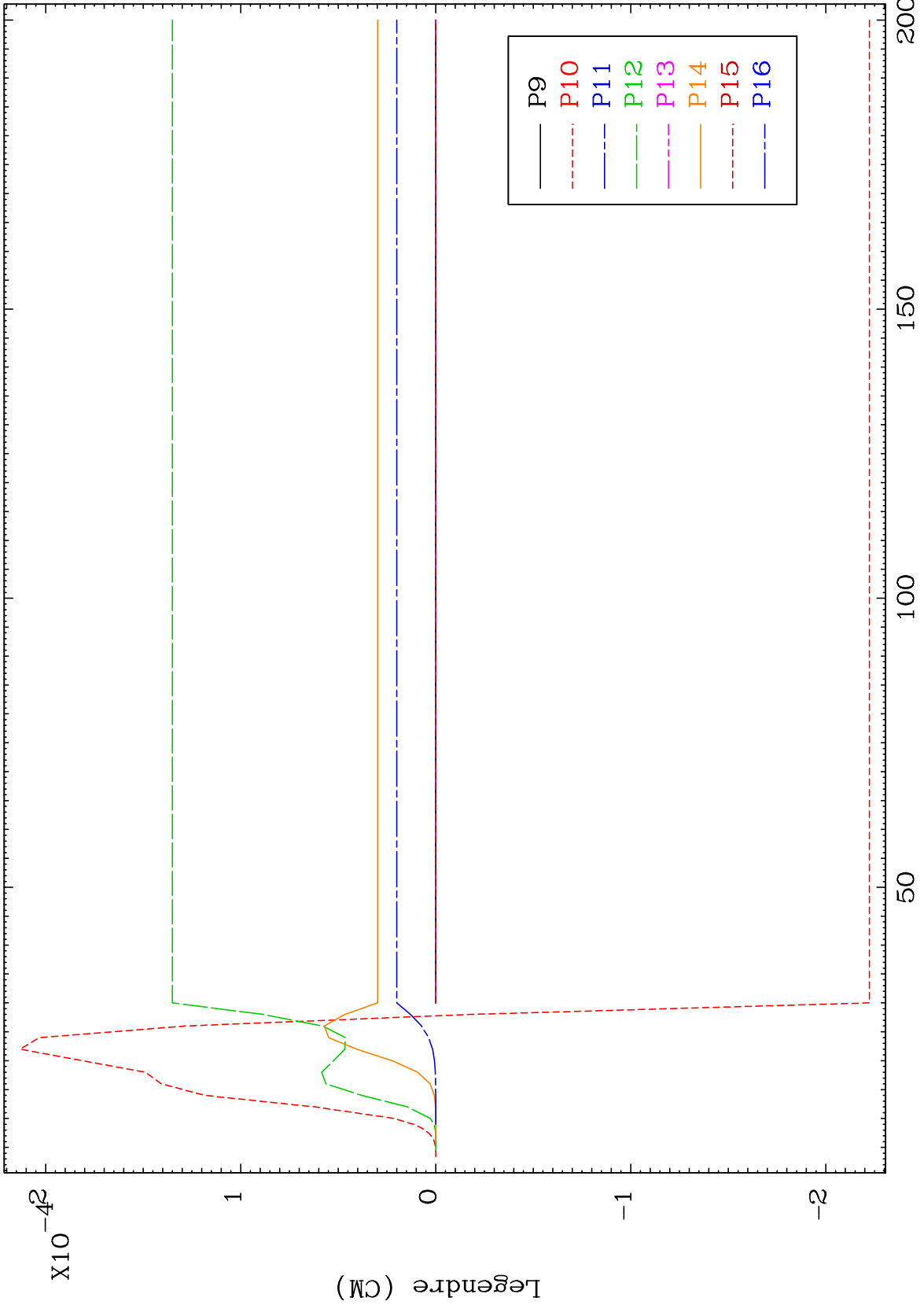
Incident Energy (MeV)

38-Sr-80

MAT 3813

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

38-Sr-80

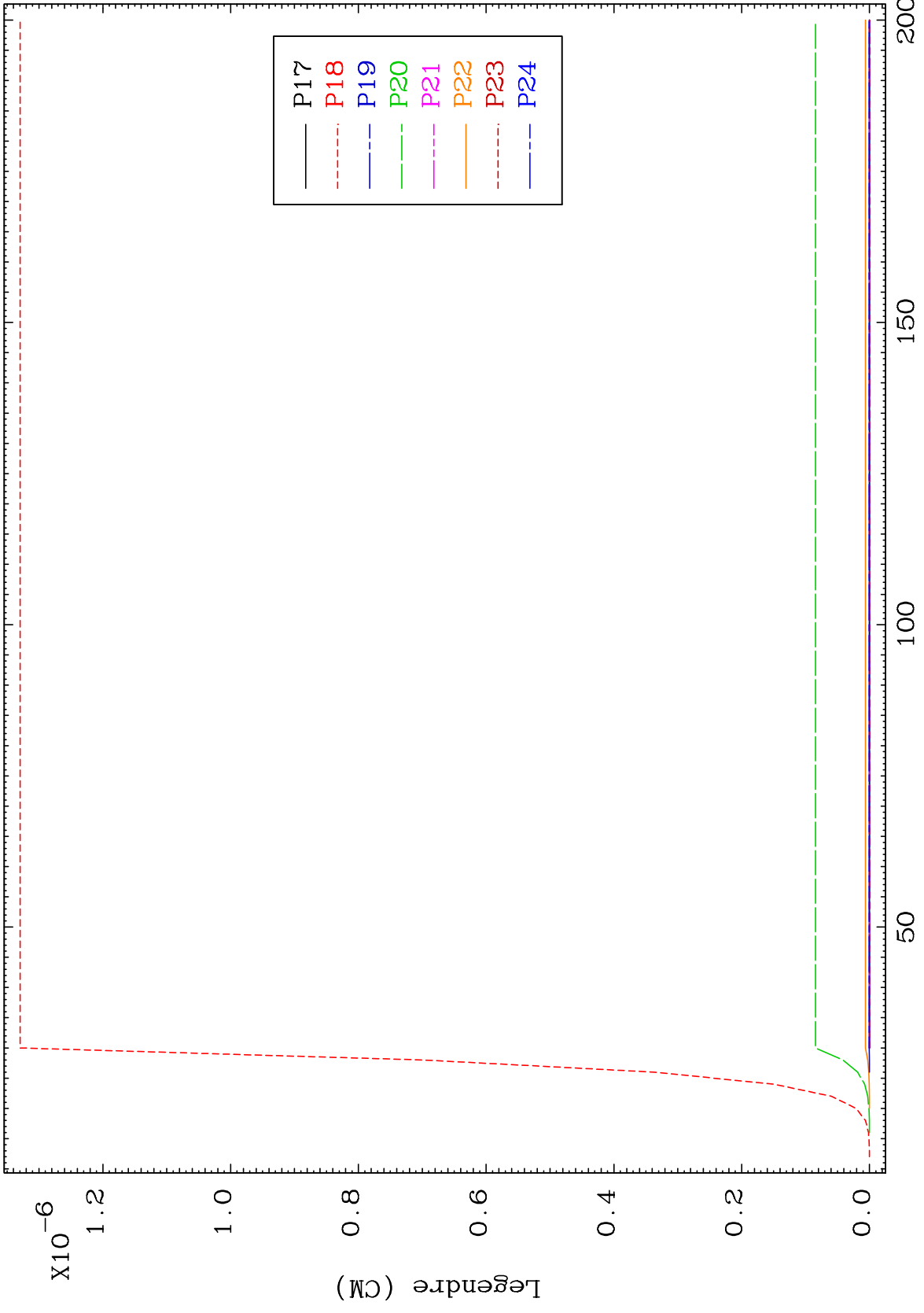


94

Incident Energy (MeV)

38-Sr-80

MAT 3813 MT= 72 (n,n') Level Legendre Coefficients 38-Sr-80

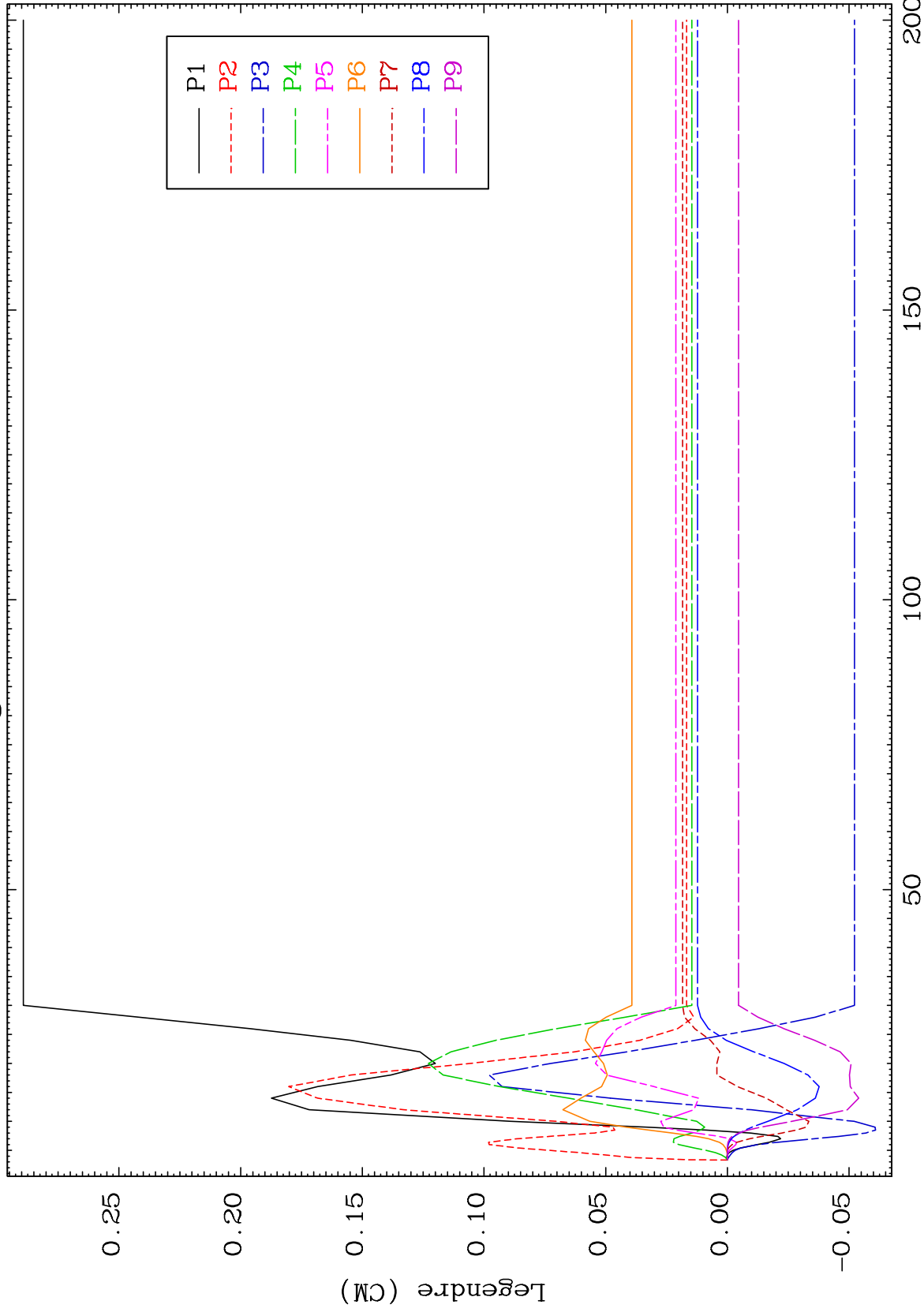


95 50 100 150 200 38-Sr-80

MAT 3813

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

38-Sr-80



96

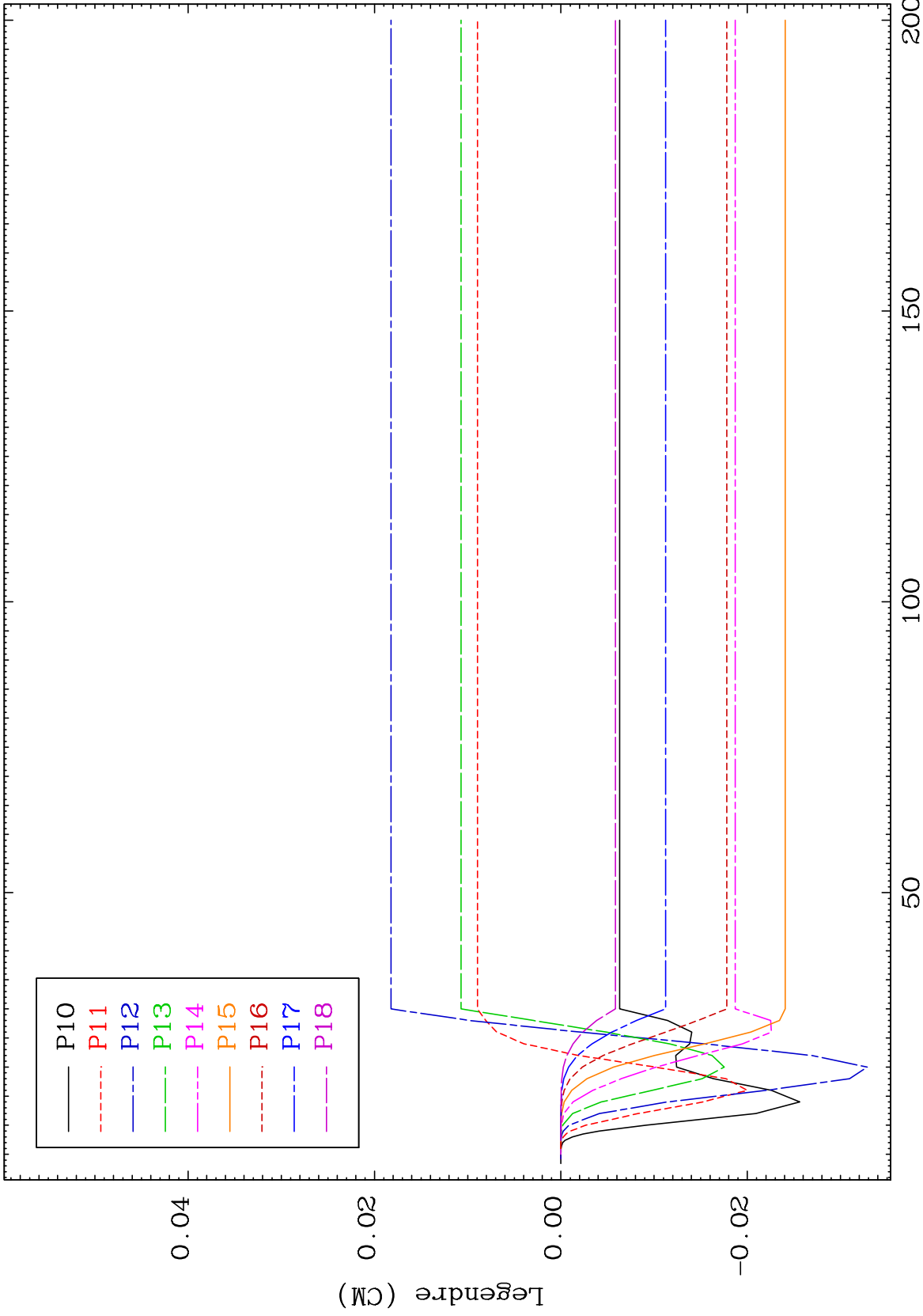
Incident Energy (MeV)

38-Sr-80

MAT 3813

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

38-Sr-80



97

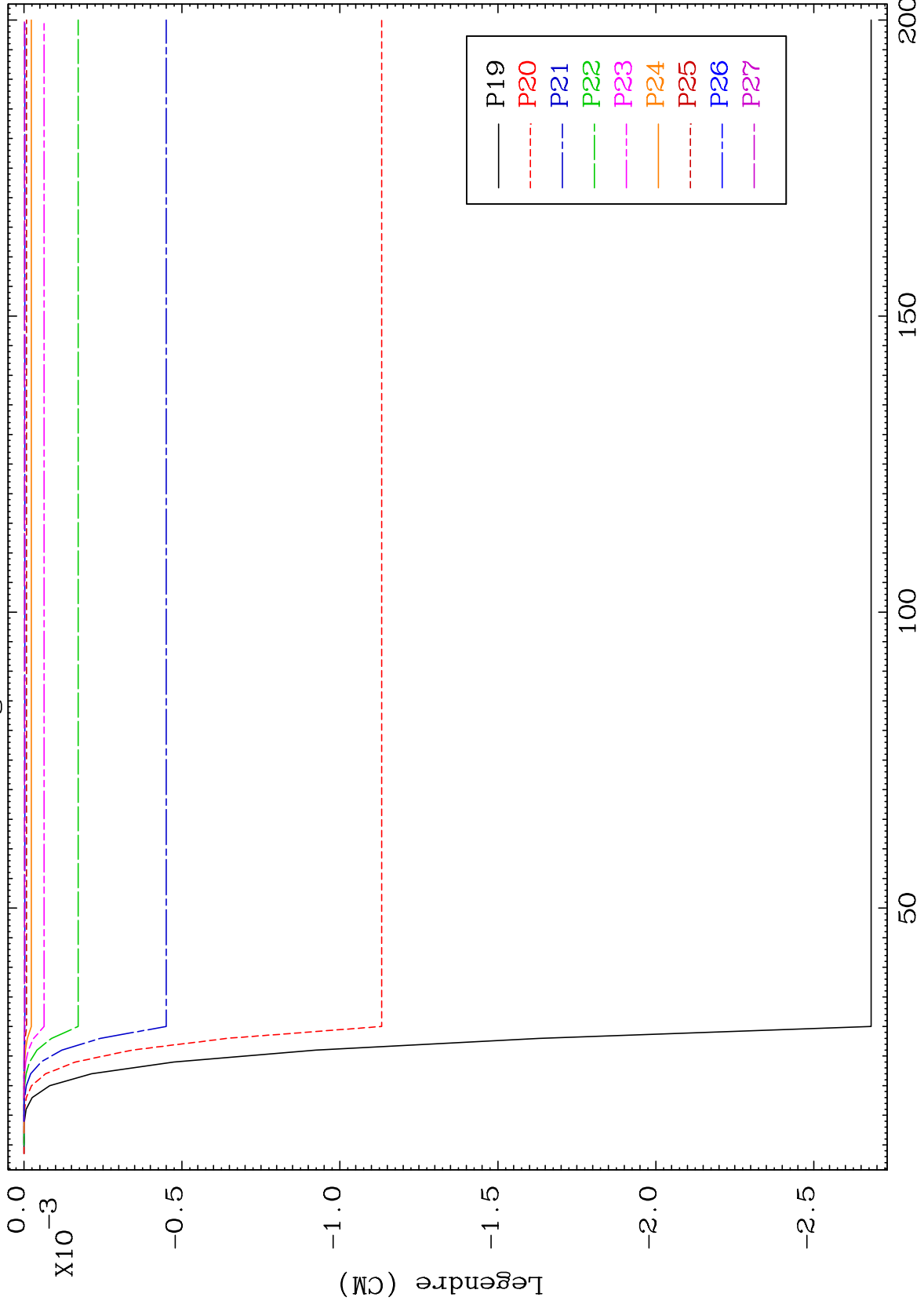
Incident Energy (MeV)

38-Sr-80

MAT 3813

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

38-Sr-80

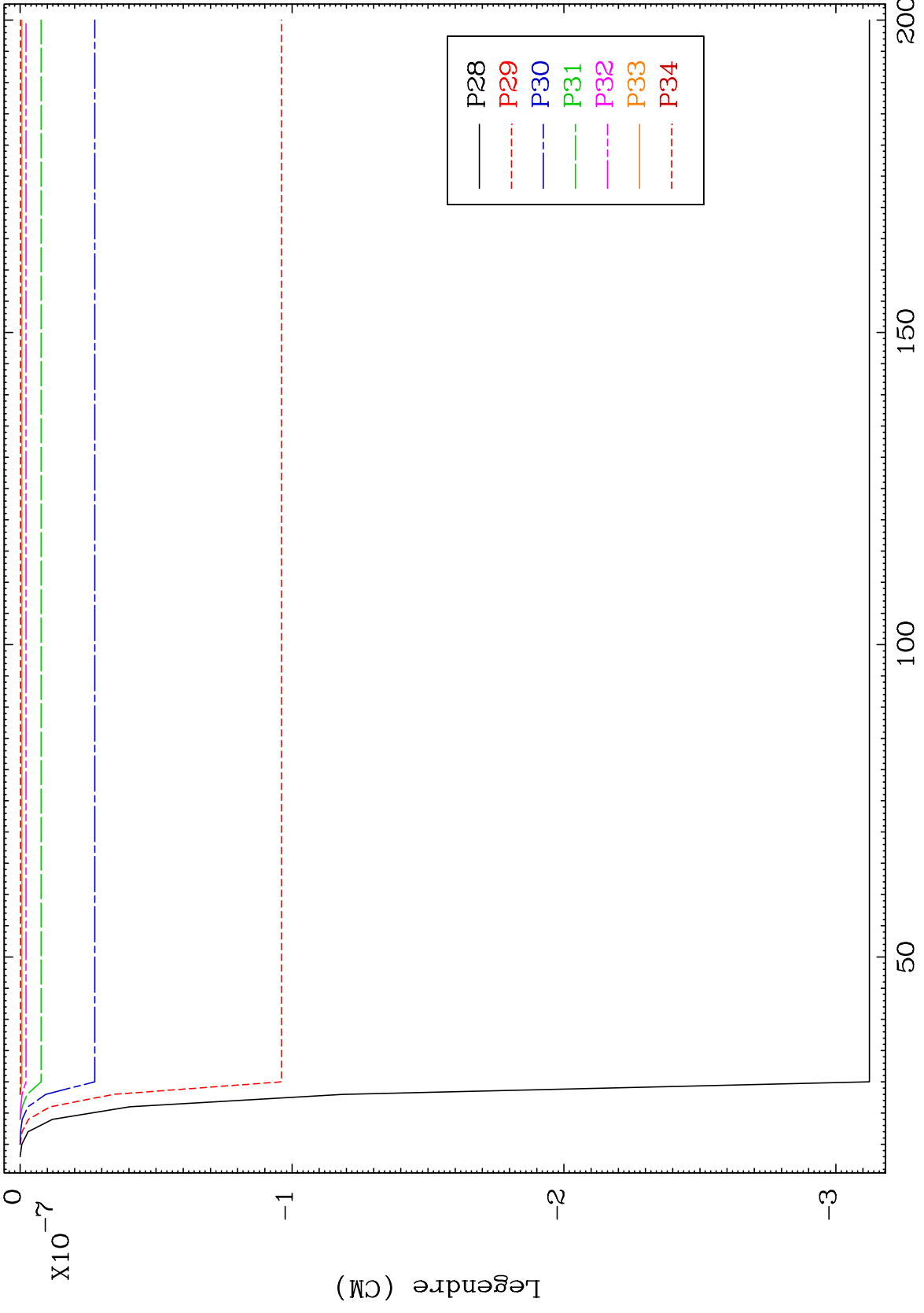


98

Incident Energy (MeV)

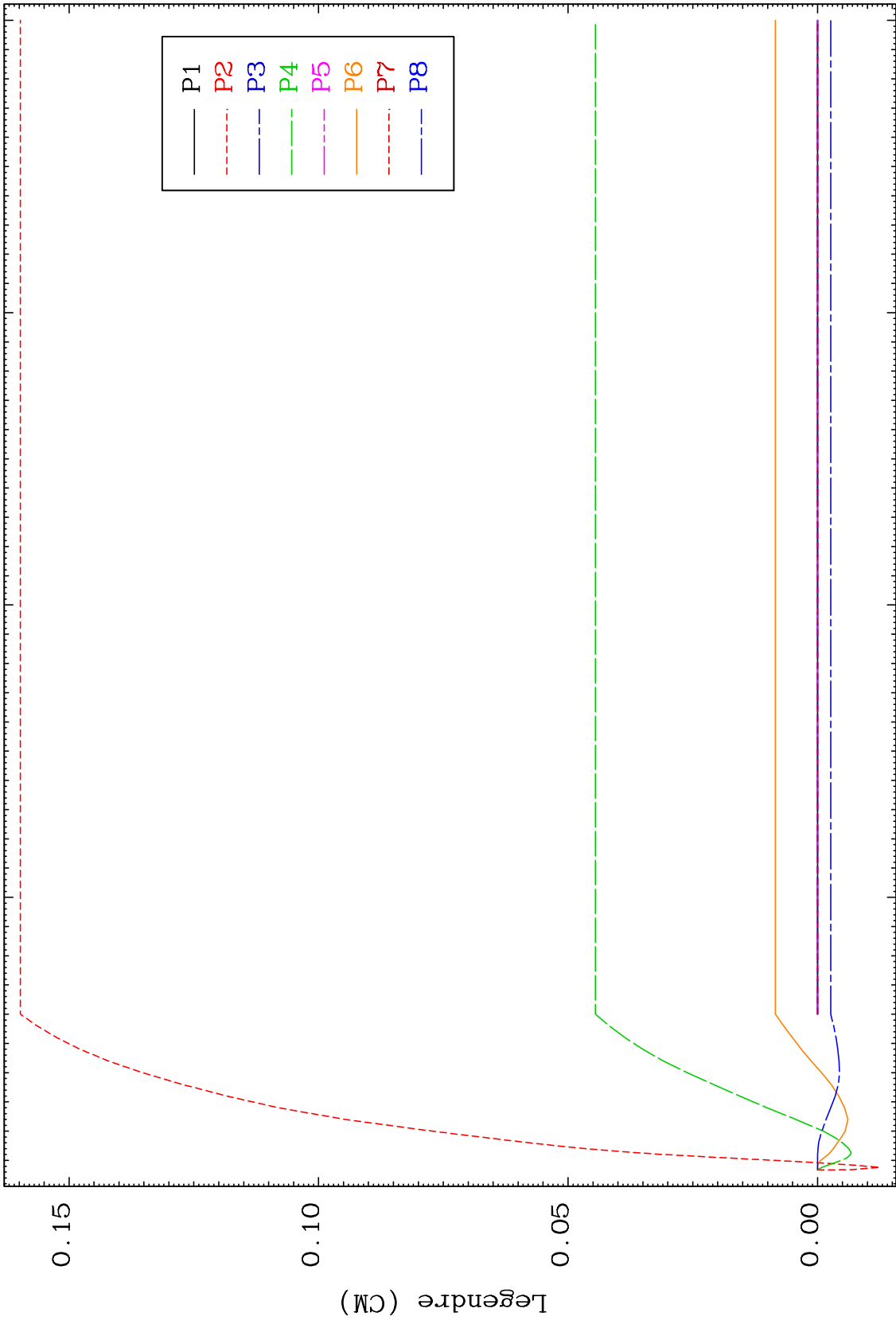
38-Sr-80

MAT 3813 MT= 73 (n,n') Level Legendre Coefficients 38-Sr-80



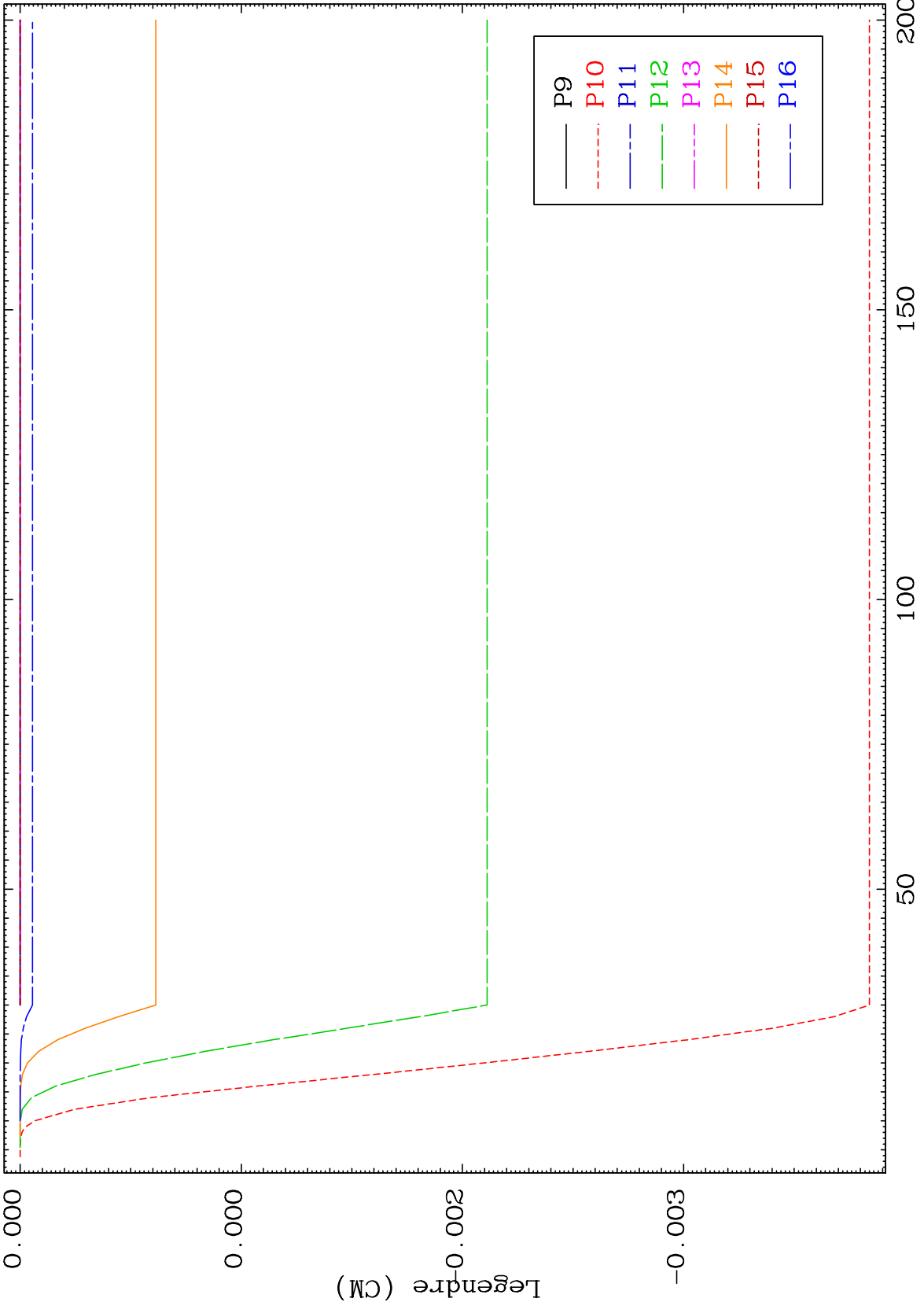
99 38-Sr-80

MAT 3813 MT= 74 (n,n') Level Legendre Coefficients 38-Sr-80



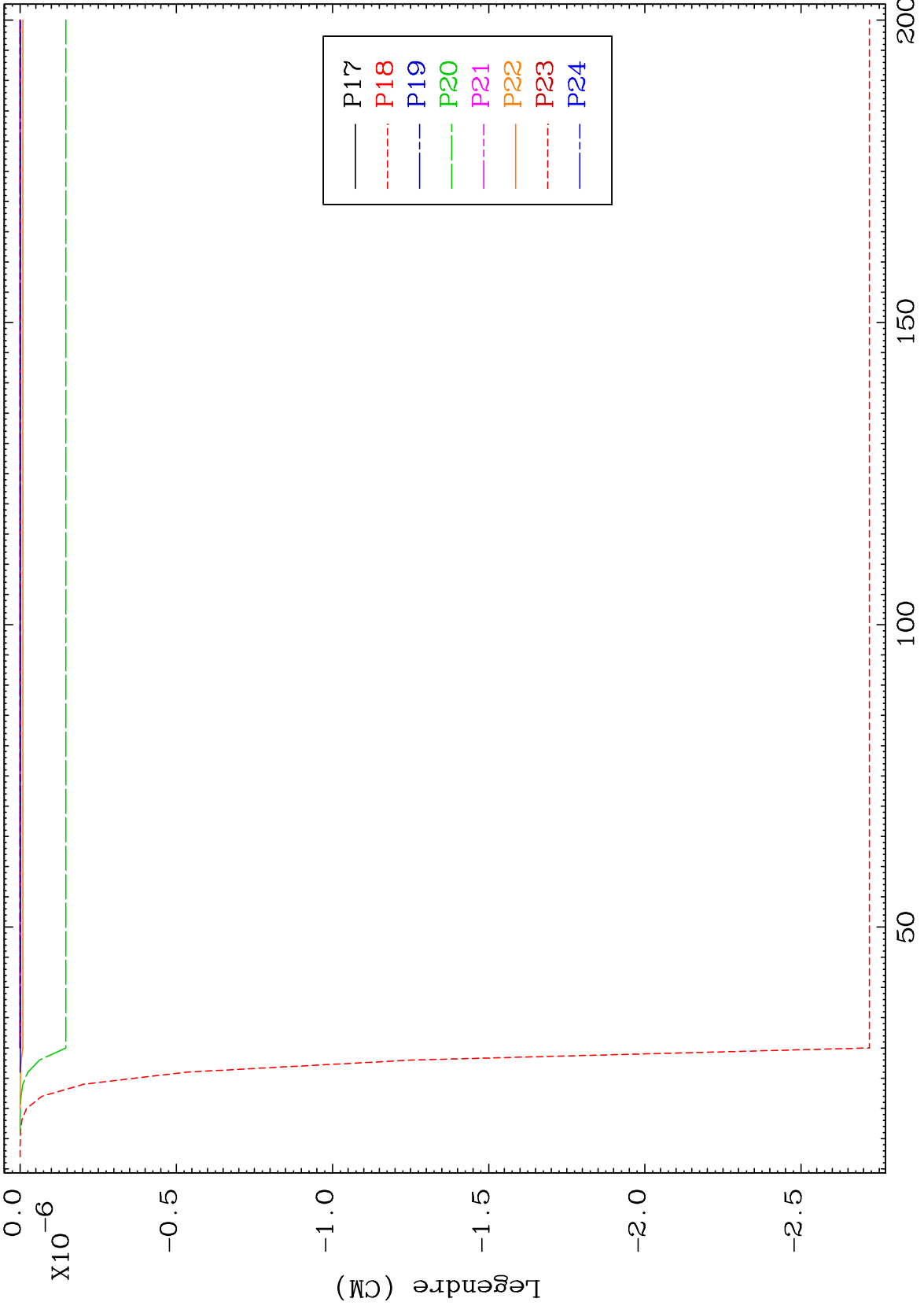
Legendre (CM) Incident Energy (MeV) 38-Sr-80

MAT 3813 MT= 74 (n,n') Level Legendre Coefficients 38-Sr-80



101 38-Sr-80

MAT 3813 MT= 74 (n,n') Level Legendre Coefficients 38-Sr-80

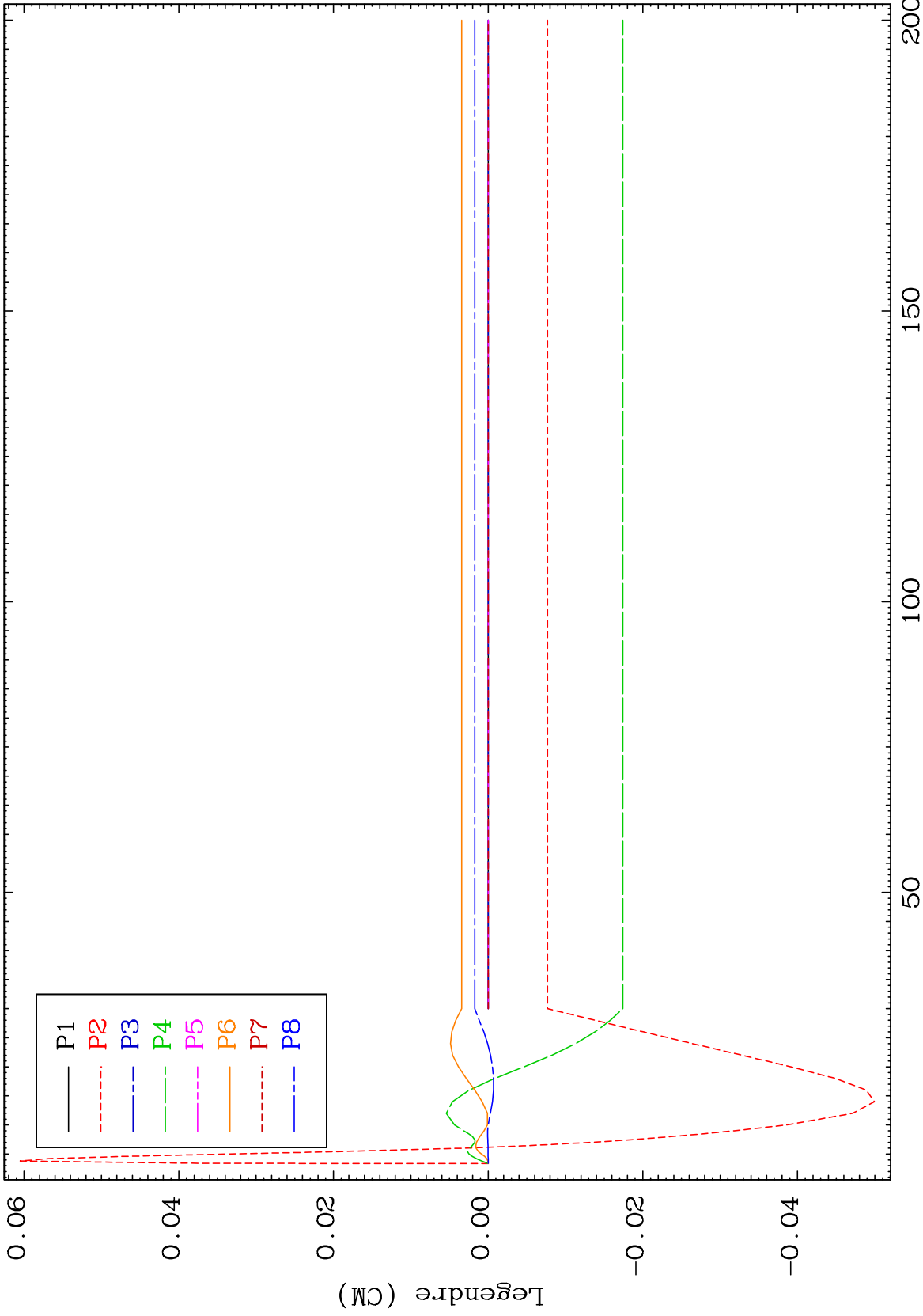


102 38-Sr-80

MAT 3813

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

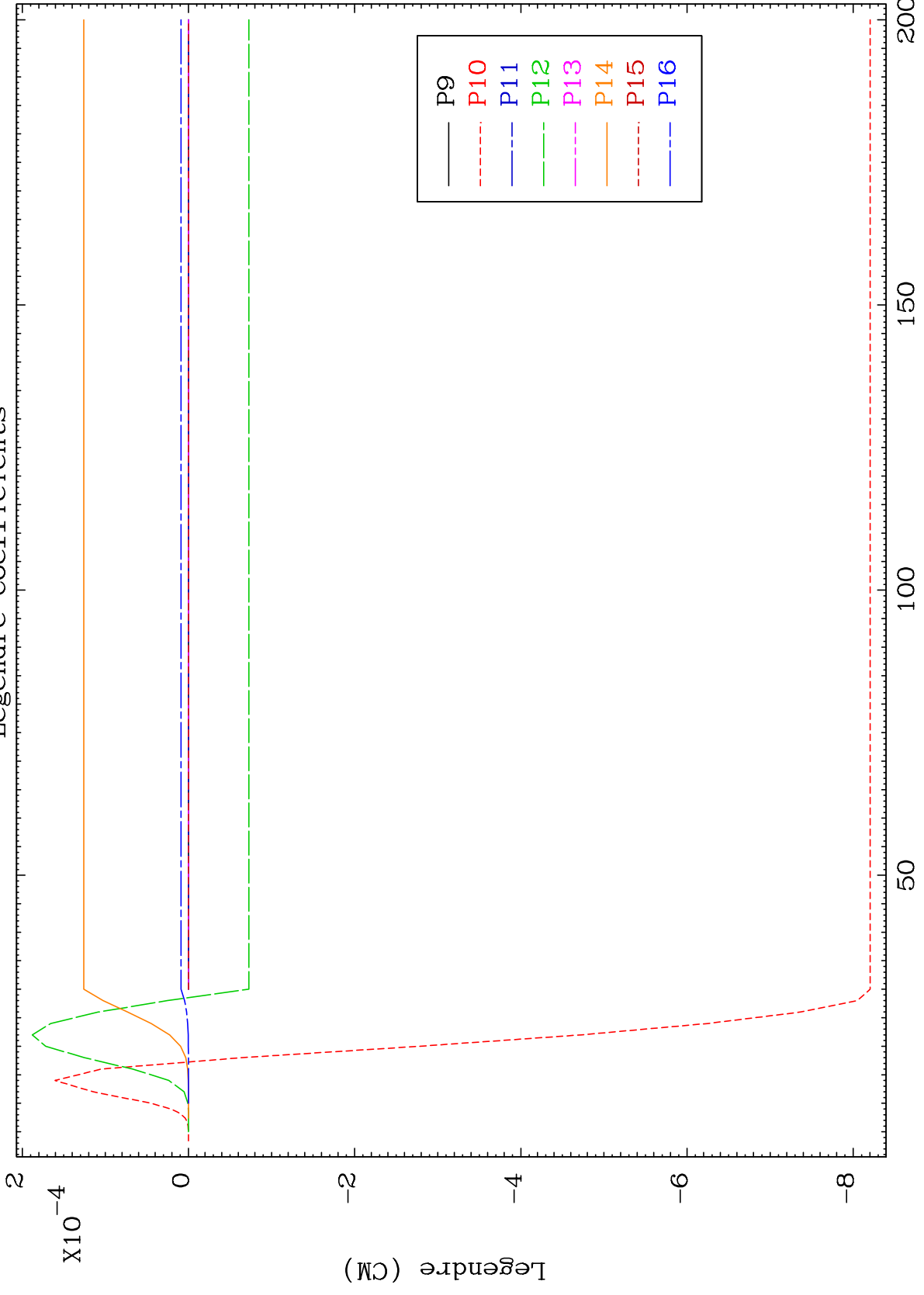
38-Sr-80



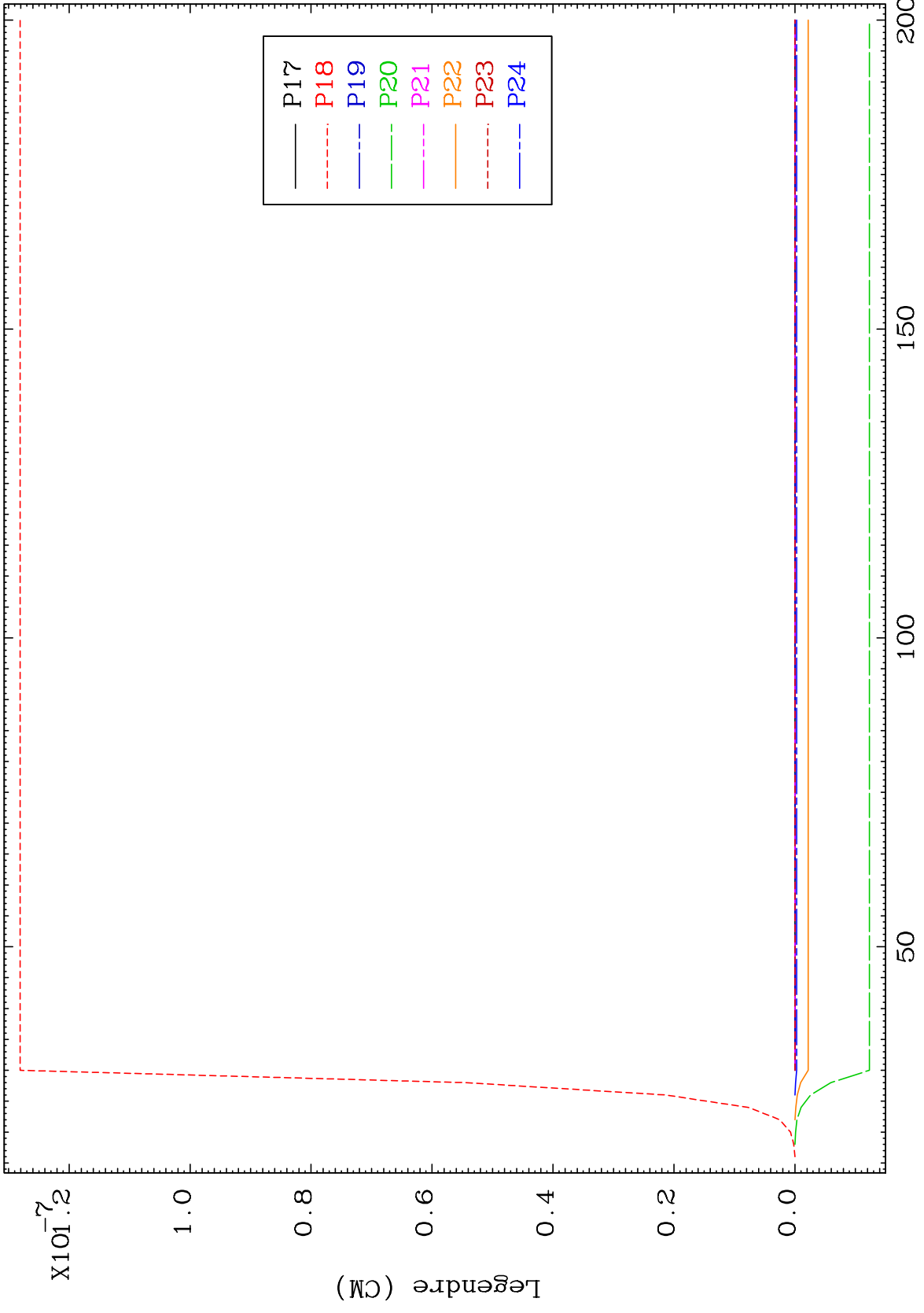
38-Sr-80

Incident Energy (MeV)

103



MAT 3813 MT= 75 (n,n') Level Legendre Coefficients 38-Sr-80

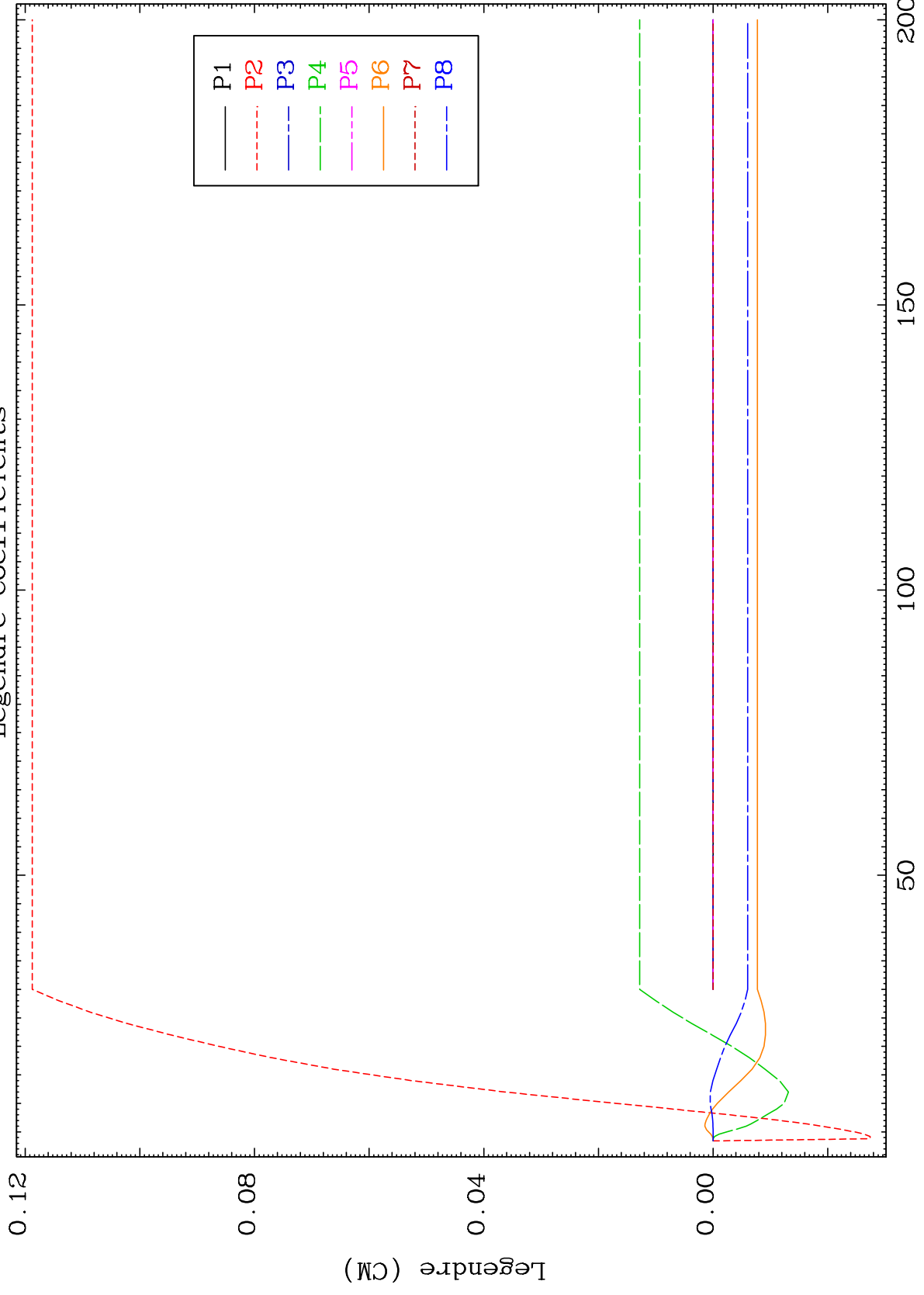


105 Incident Energy (MeV) 38-Sr-80

MAT 3813 MT= 76 (n,n') Level Legendre Coefficients

38-Sr-80

38-Sr-80

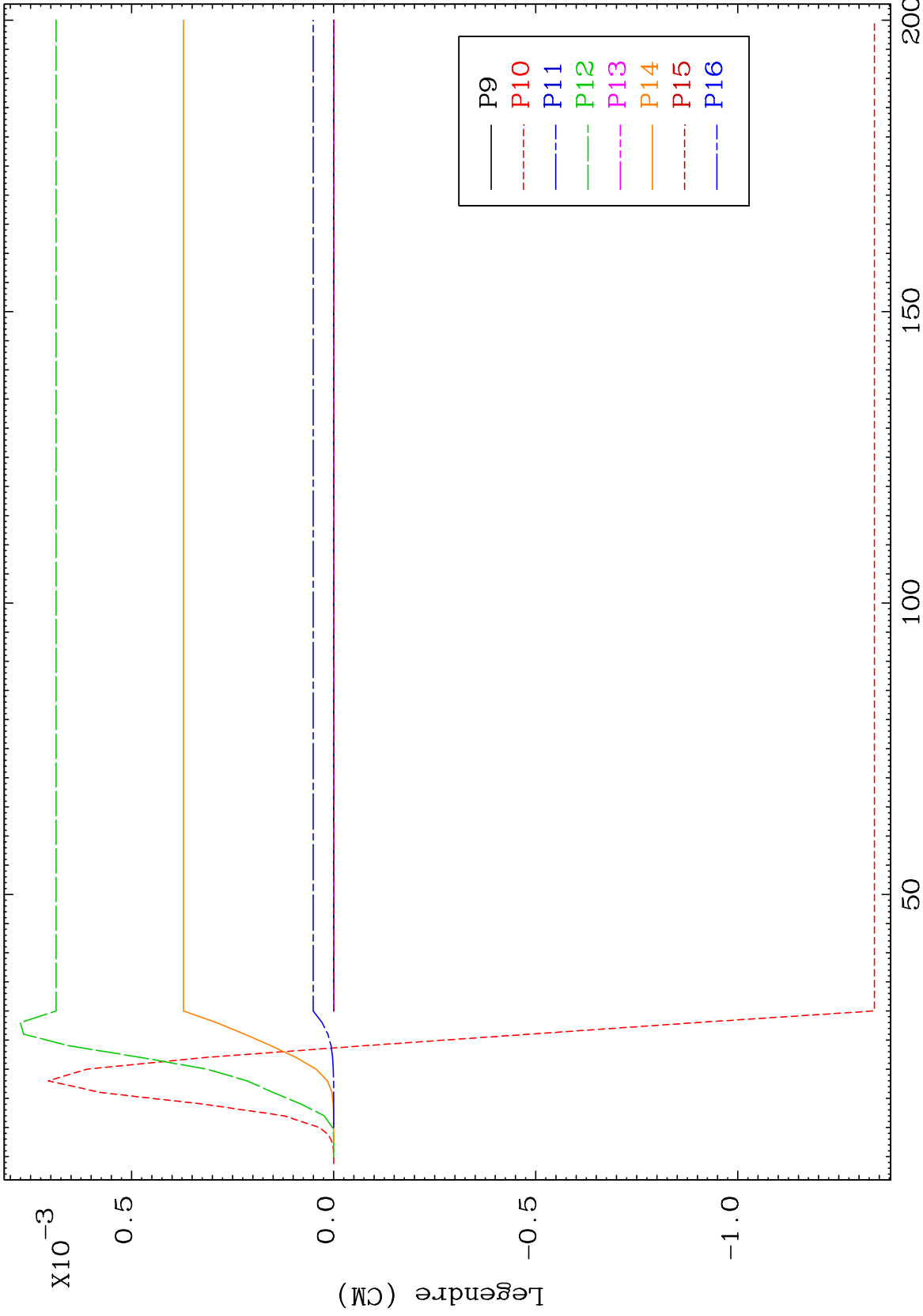


106

MAT 3813

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

38-Sr-80

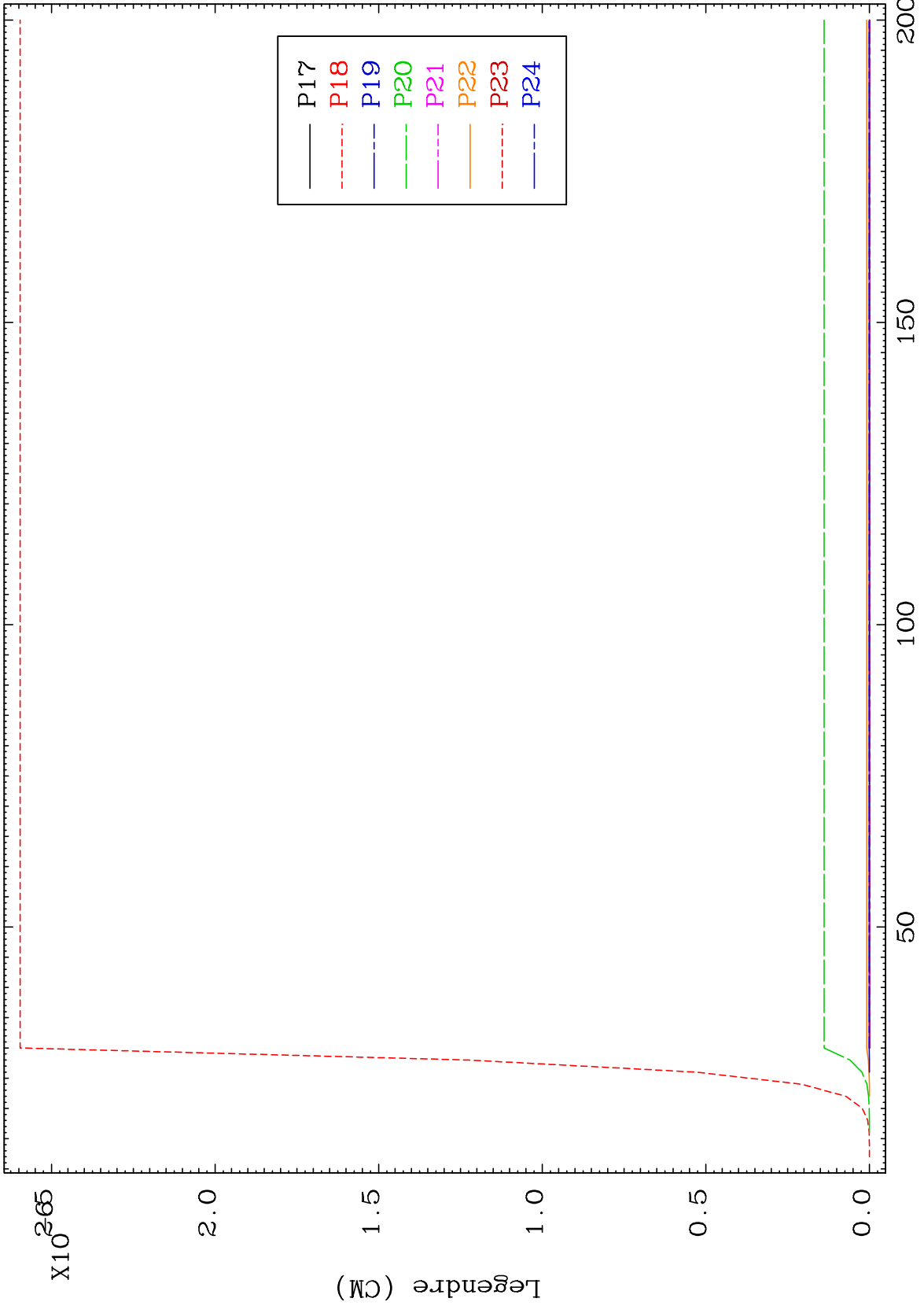


107

Incident Energy (MeV)

38-Sr-80

MAT 3813 MT= 76 (n,n') Level Legendre Coefficients 38-Sr-80



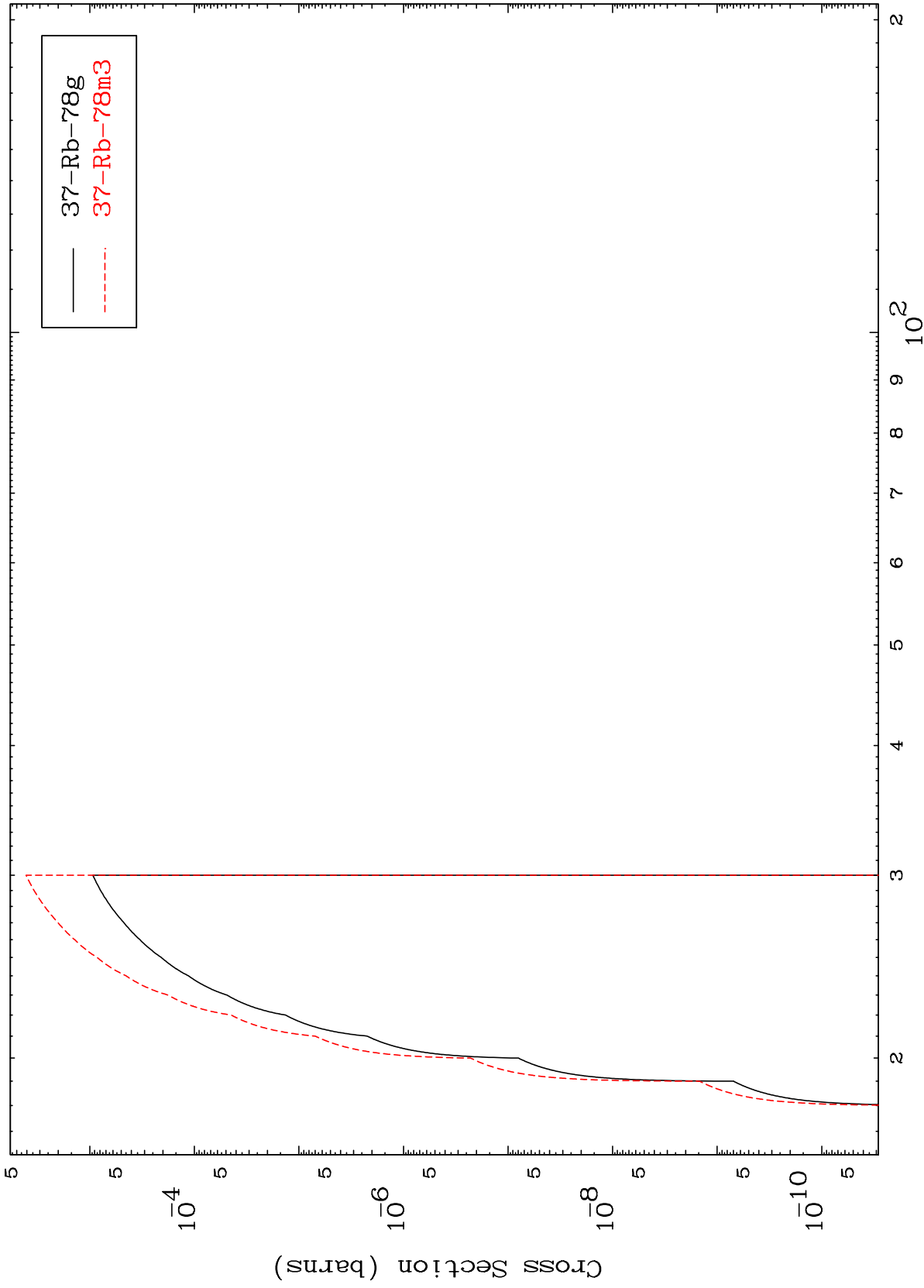
108 Incident Energy (MeV) 38-Sr-80

MAT 3813

(n,n') d

38-Sr-80

Radionuclide Production Cross Section



109

Incident Energy (MeV)

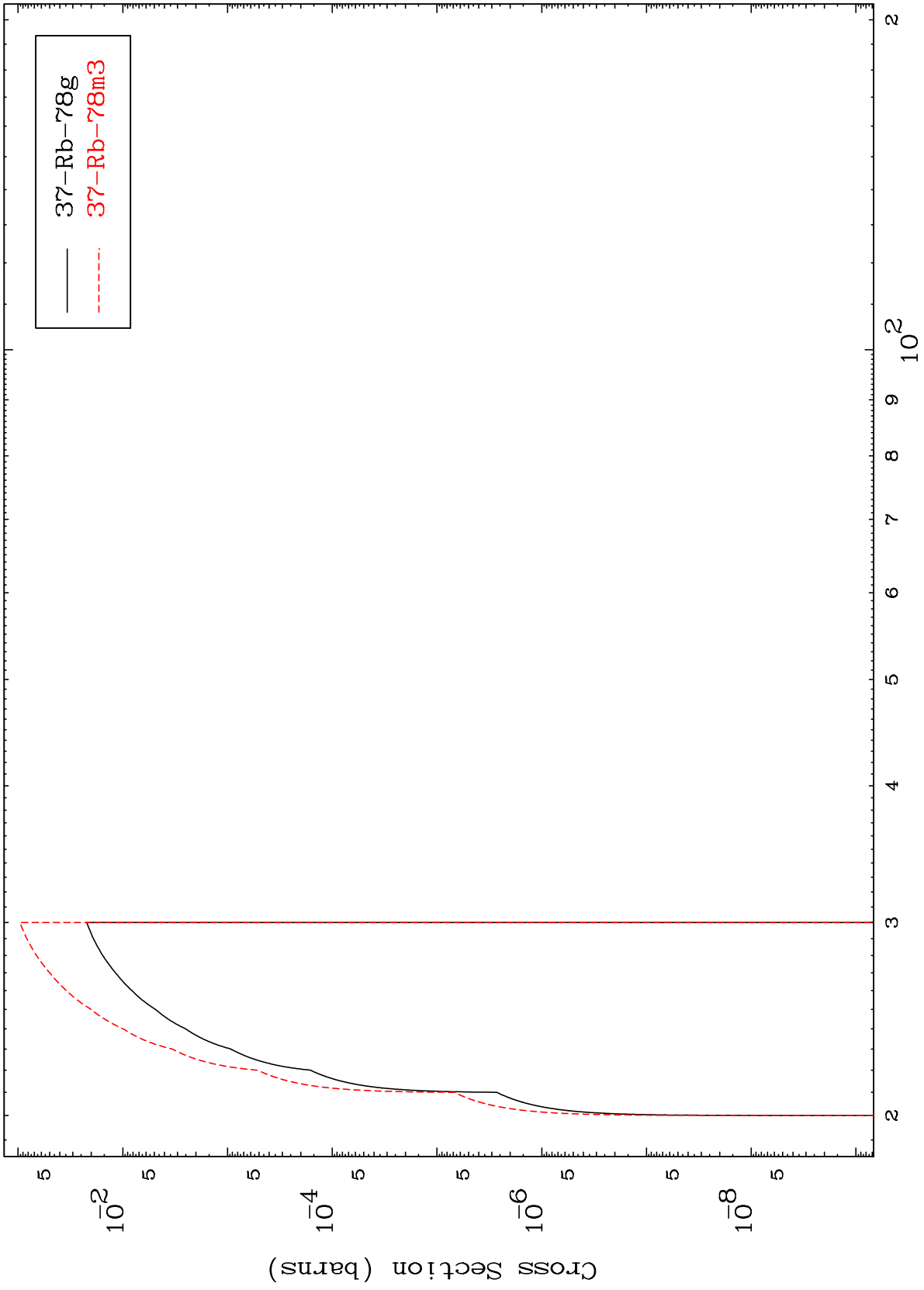
38-Sr-80

MAT 3813

(n,2n) p

38-Sr-80

Radionuclide Production Cross Section



110

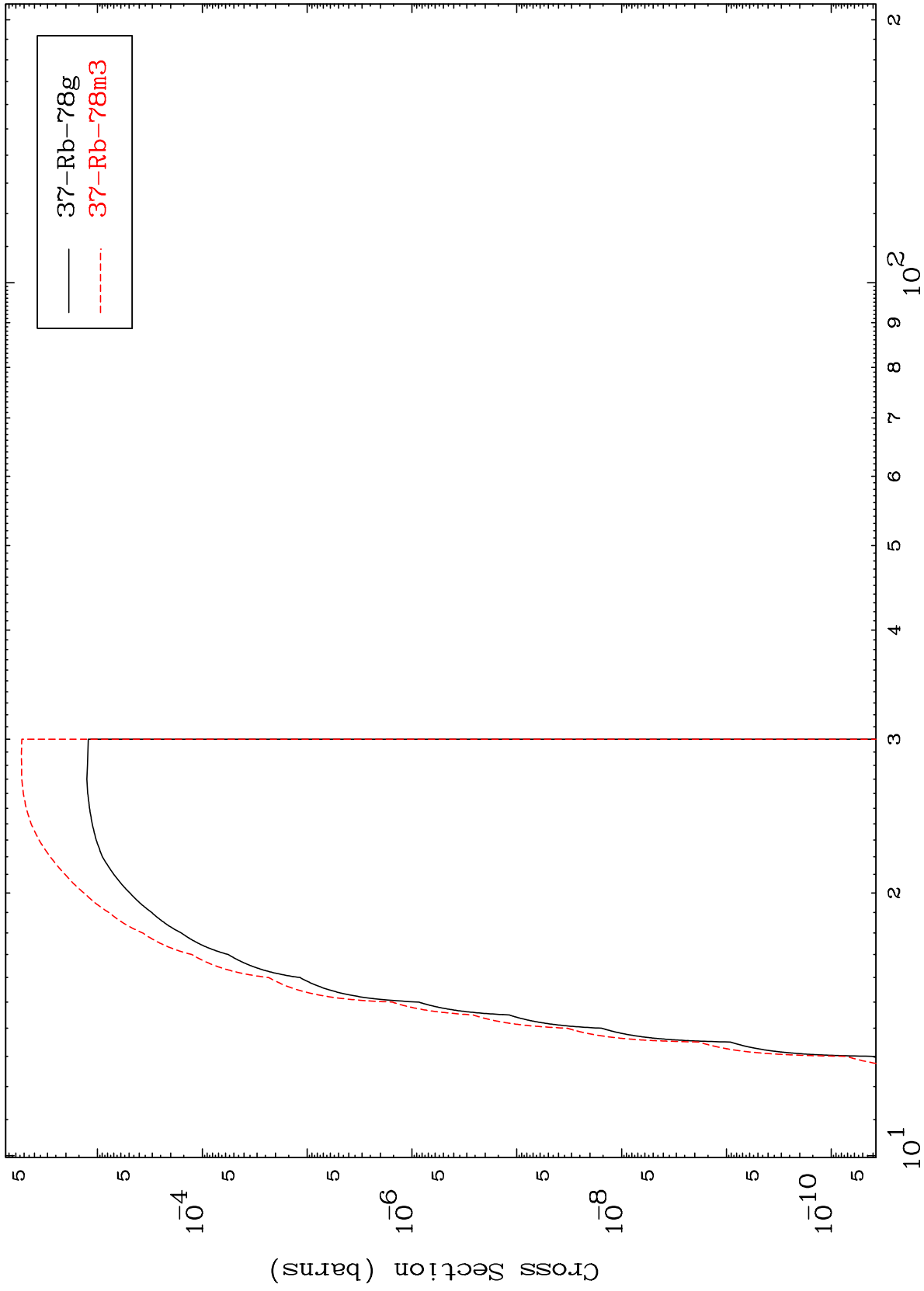
Incident Energy (MeV)

38-Sr-80

MAT 3813

38-Sr-80

(n, t)
Radionuclide Production Cross Section



111

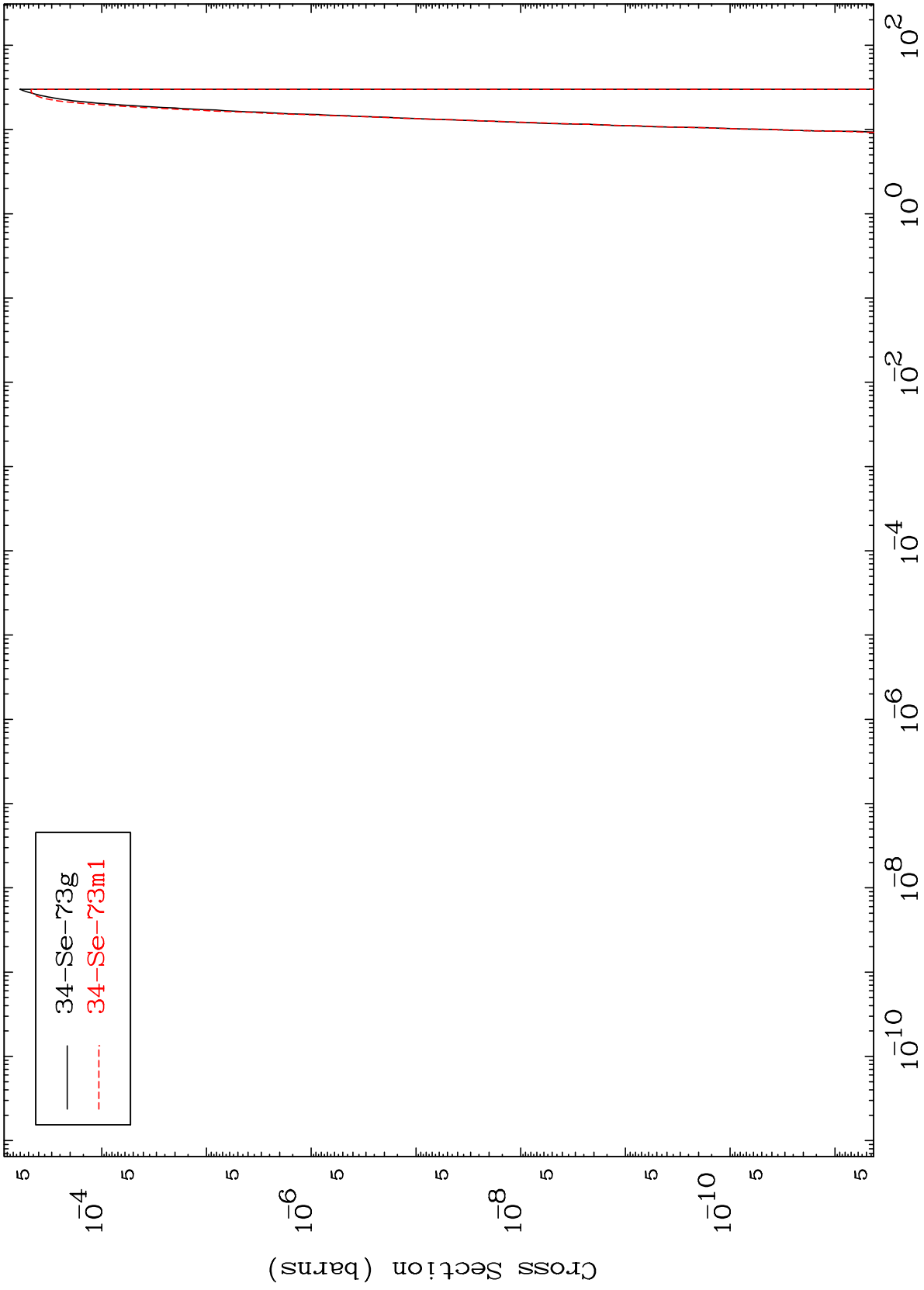
Incident Energy (MeV)

38-Sr-80

MAT 3813

38-Sr-80

(n,2α)
Radionuclide Production Cross Section



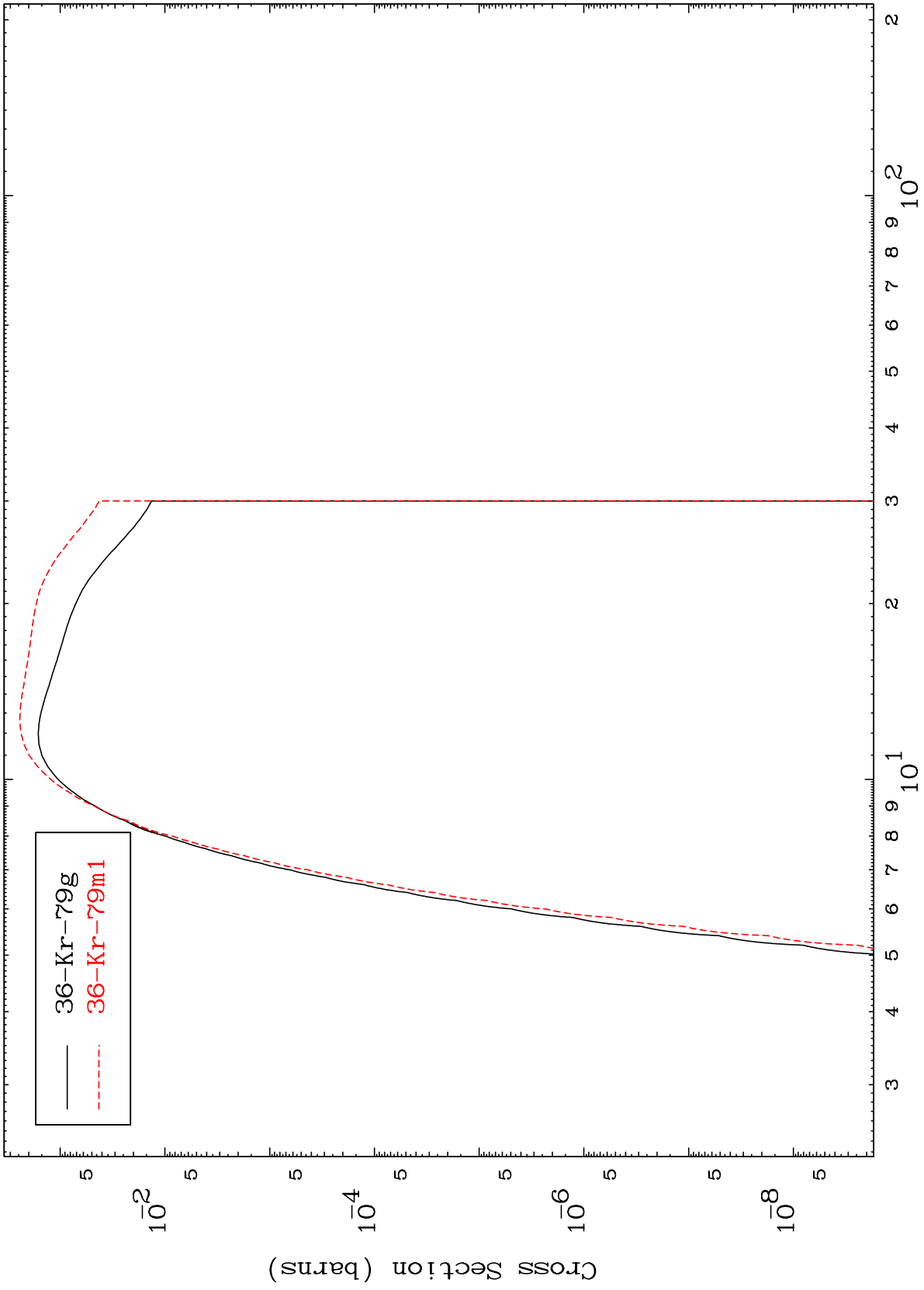
112

38-Sr-80

MAT 3813

38-Sr-80

Radionuclide Production Cross Section
(n,2p)



113

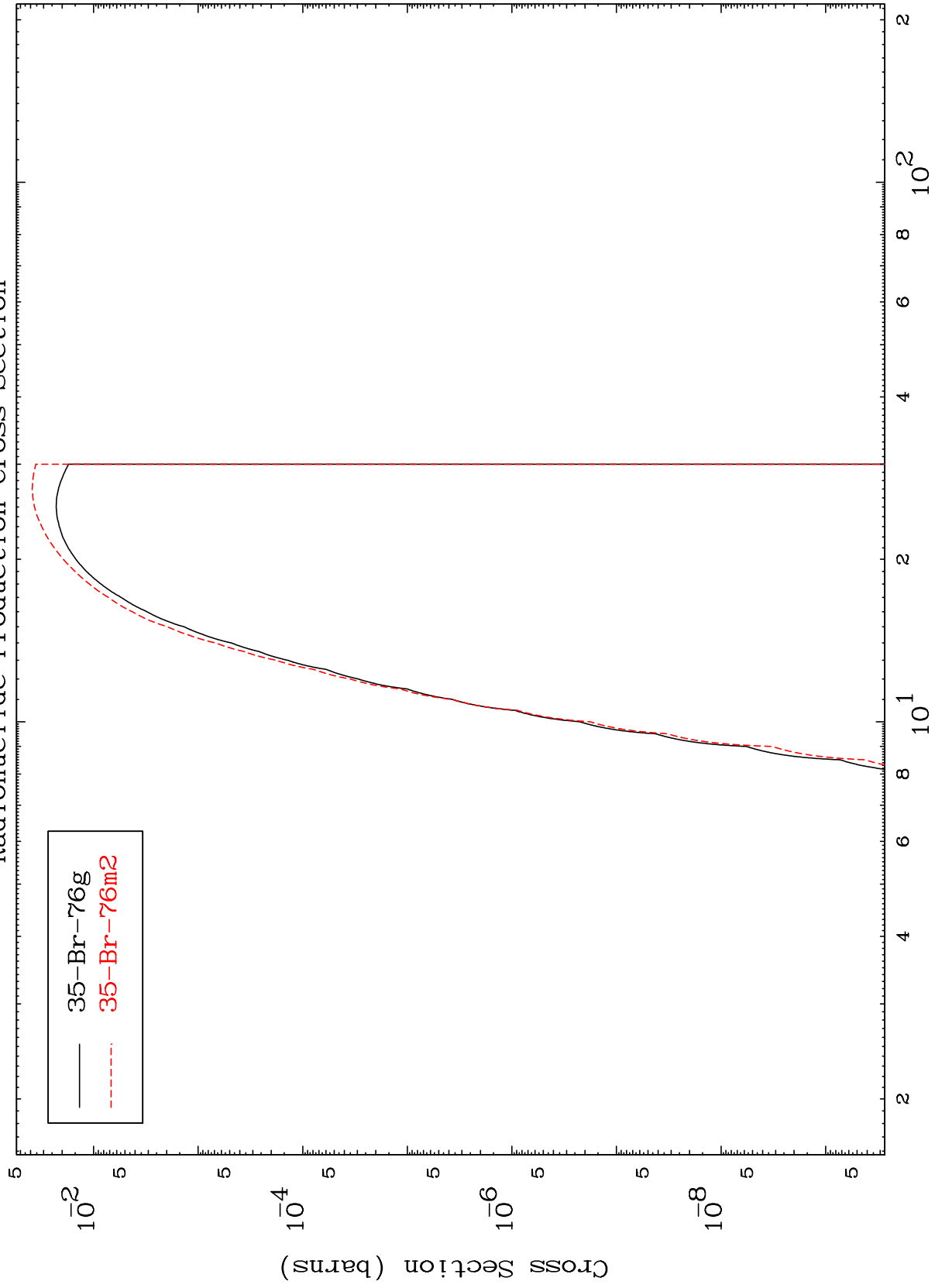
38-Sr-80

MAT 3813

(n,p) α

38-Sr-80

Radionuclide Production Cross Section



35-Br-76g
35-Br-76m2

114

Incident Energy (MeV)

38-Sr-80