

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

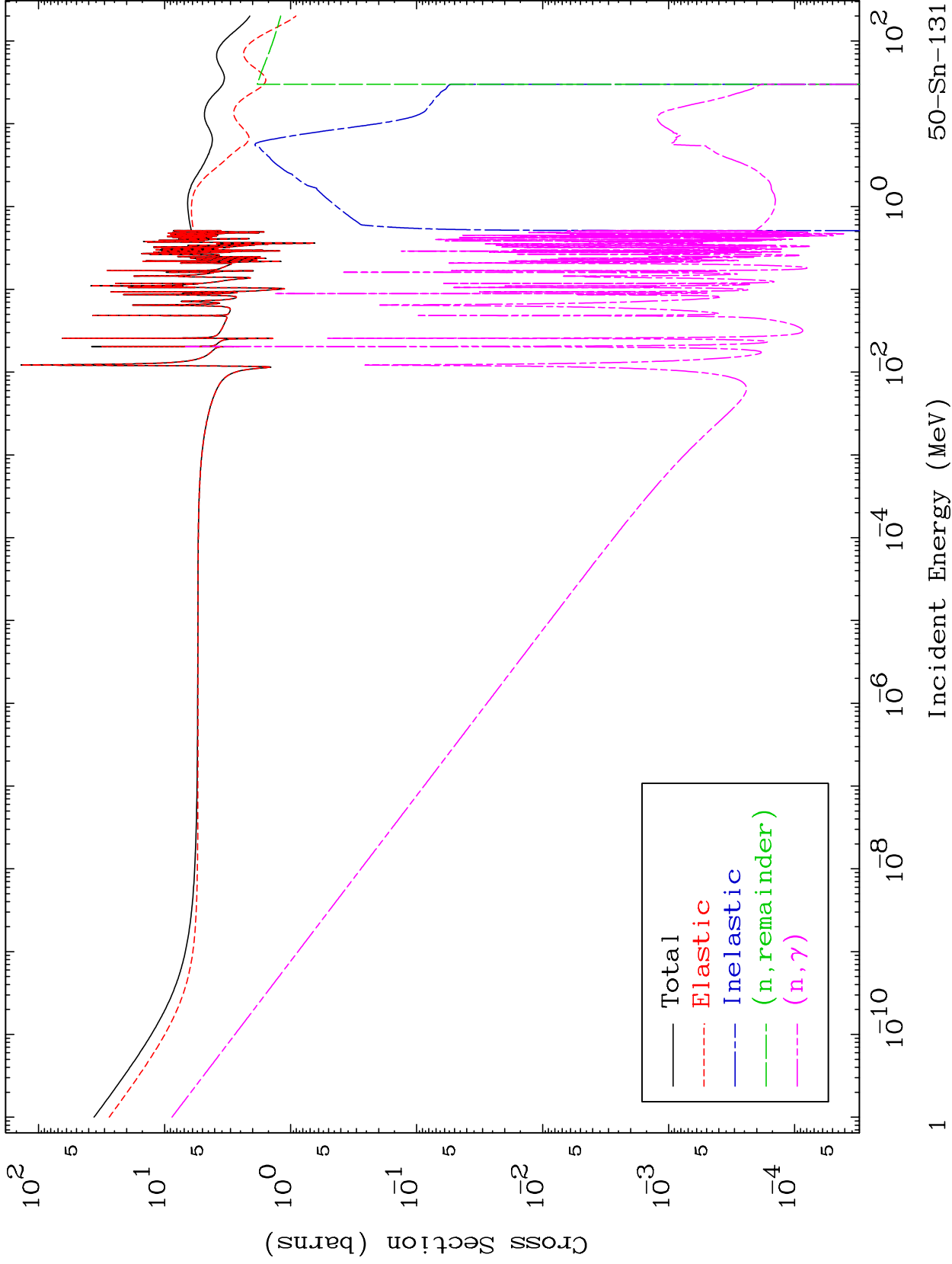
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5082

Major  
293 Kelvin Cross Sections

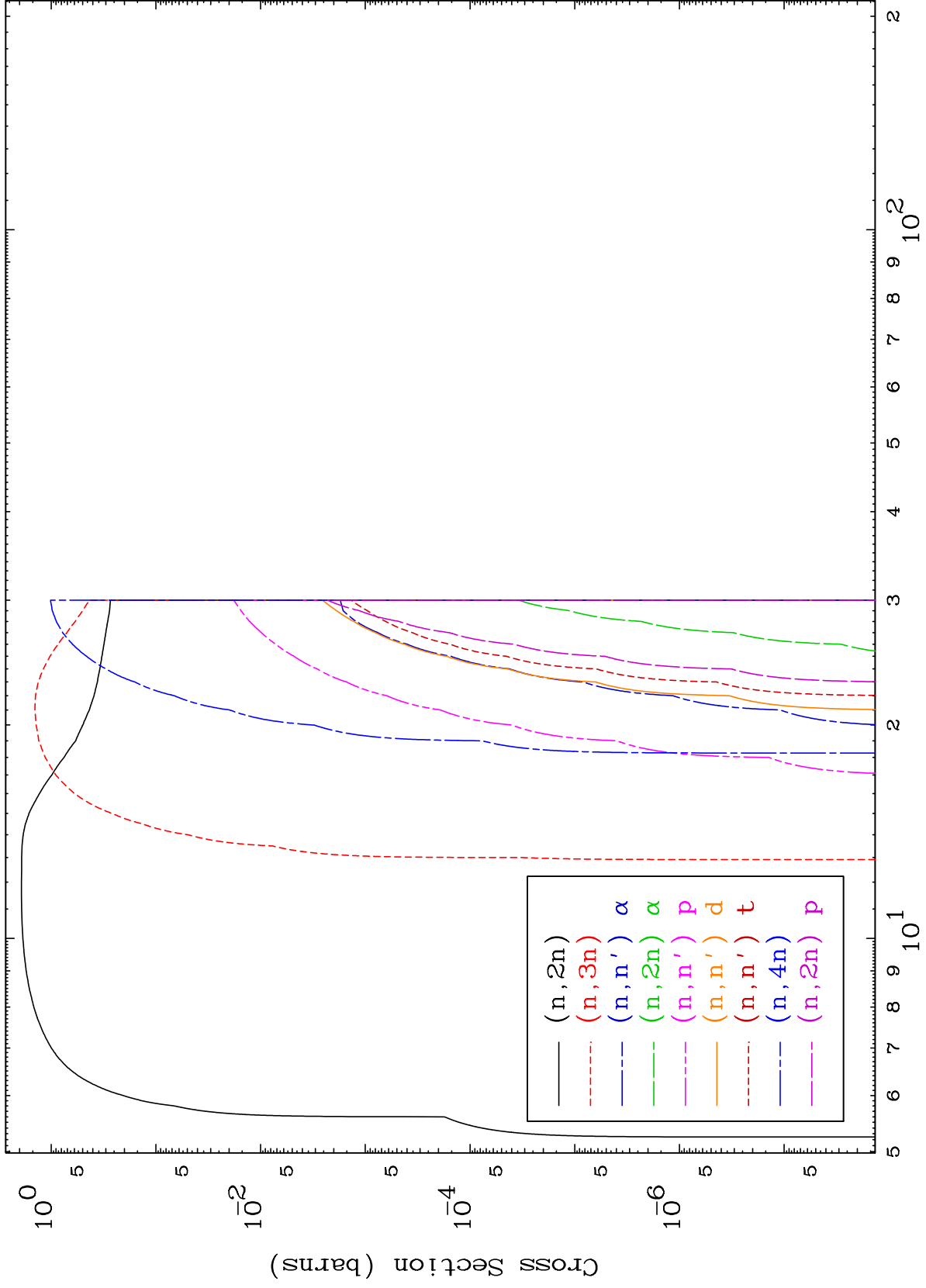
50-Sn-131



MAT 5082

Neutron Production  
293 Kelvin Cross Sections

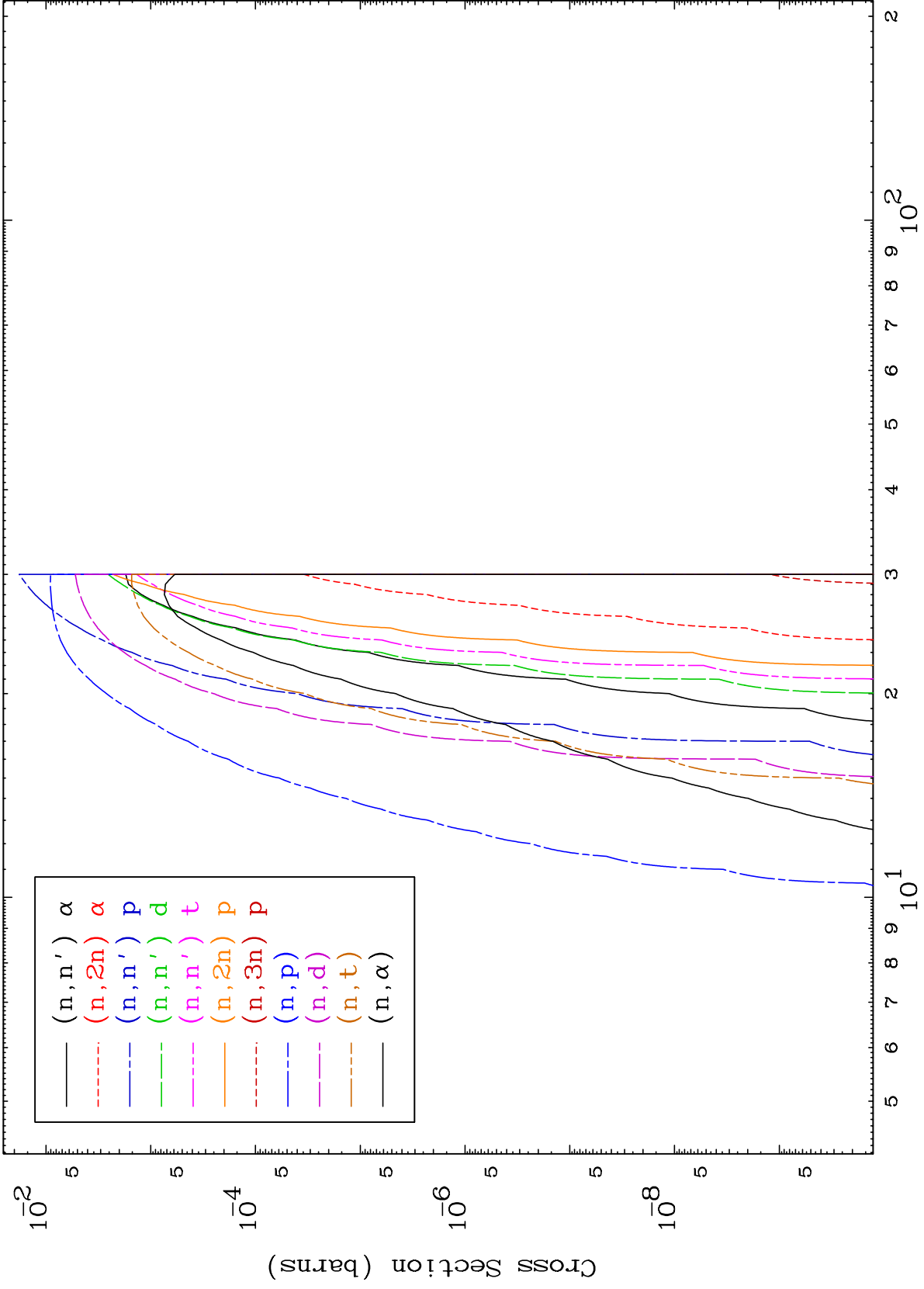
50-Sn-131

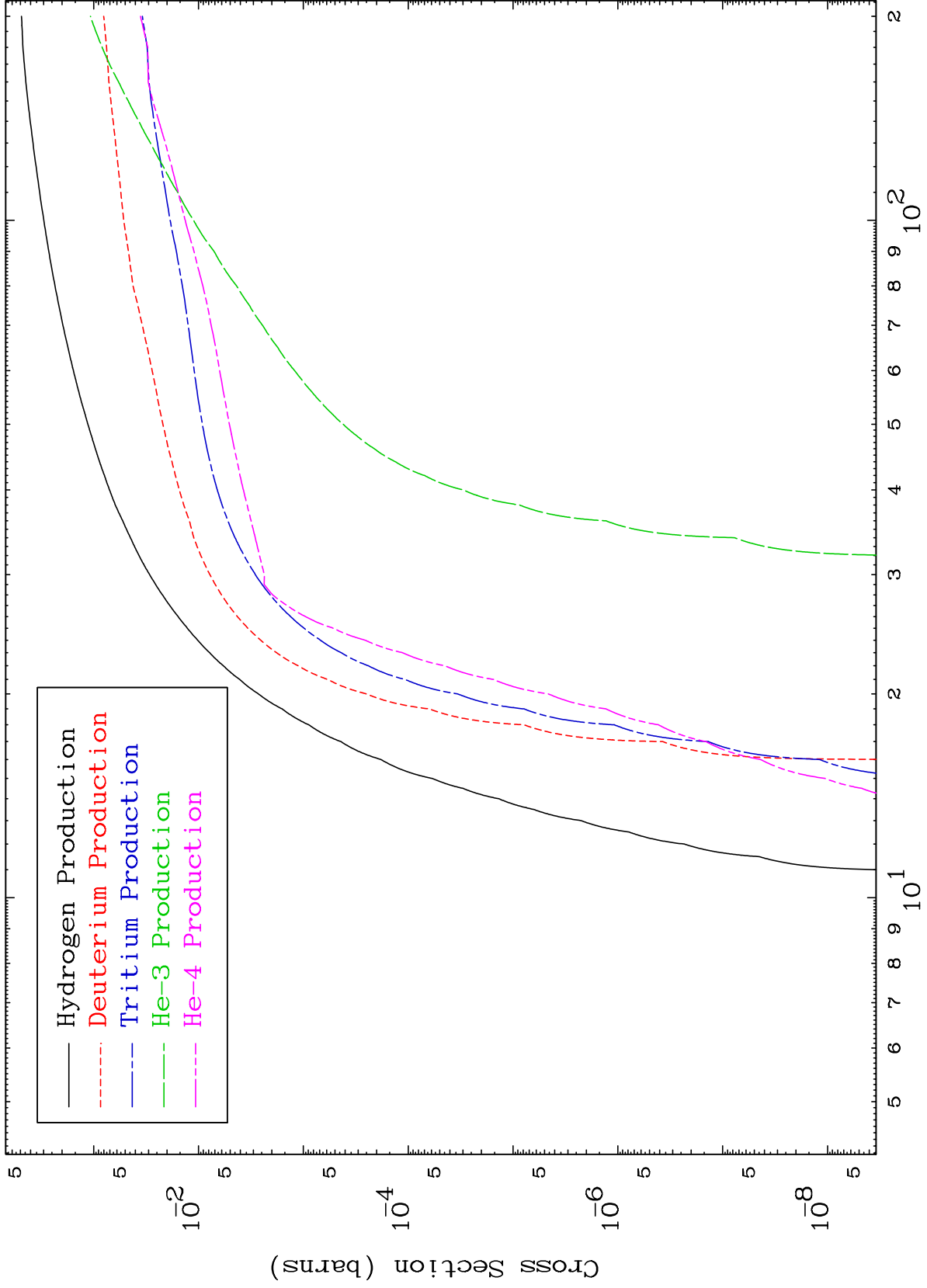


2

Incident Energy (MeV)

50-Sn-131



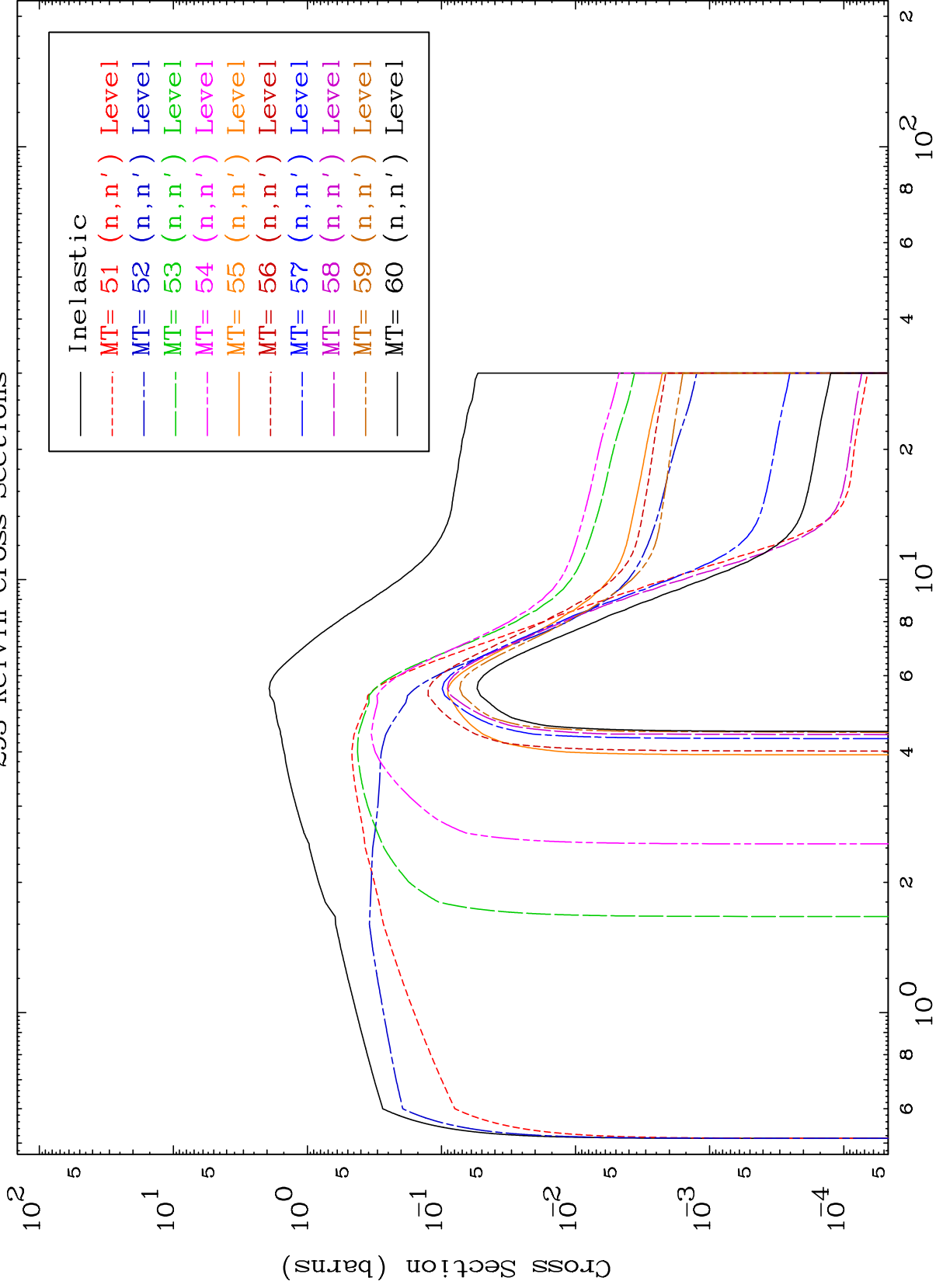


MAT 5082

(n,n') Level

50-Sn-131

293 Kelvin Cross Sections



5

Incident Energy (MeV)

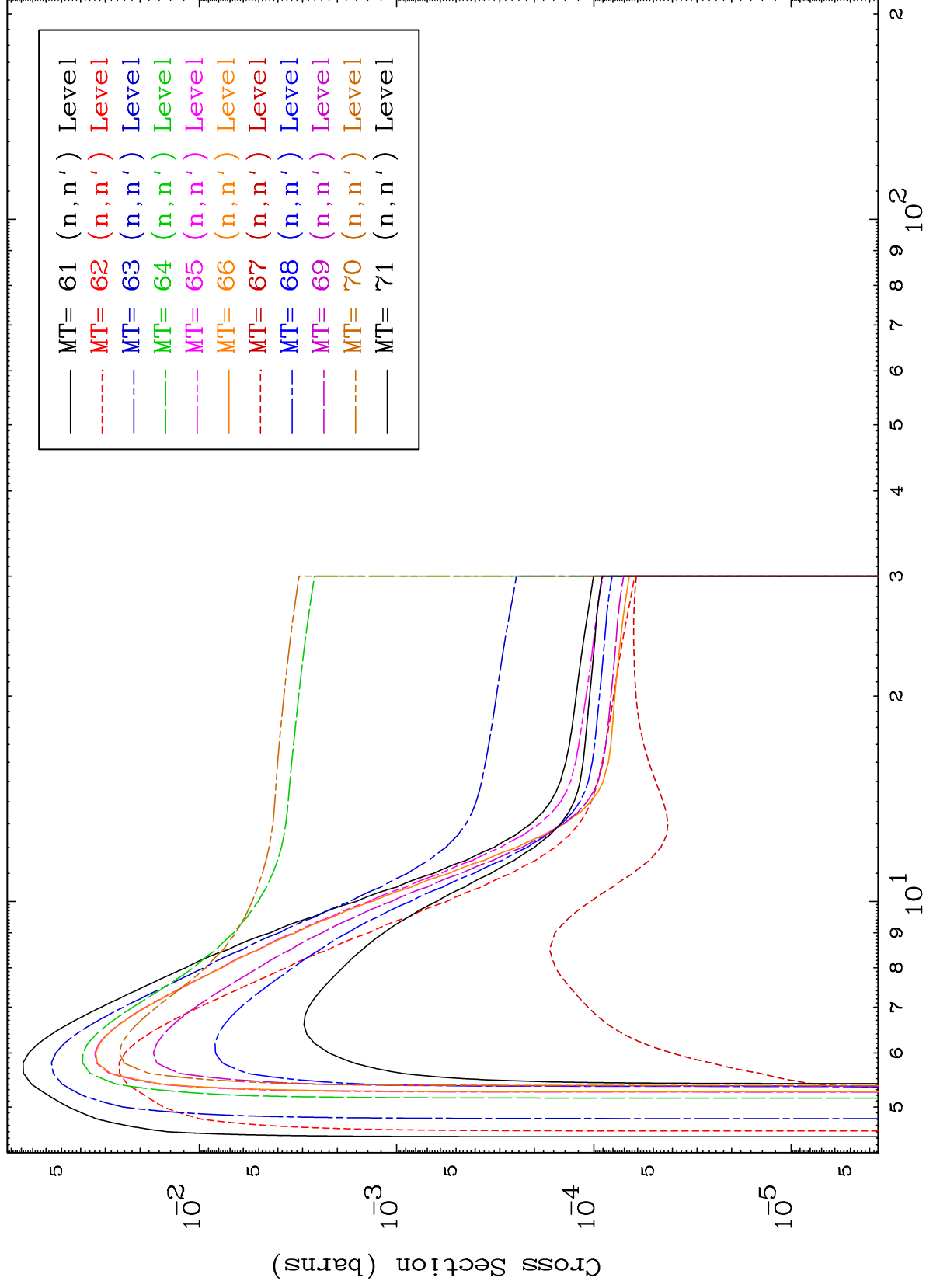
50-Sn-131

MAT 5082

(n,n') Level

50-Sn-131

293 Kelvin Cross Sections



Incident Energy (MeV)

50-Sn-131

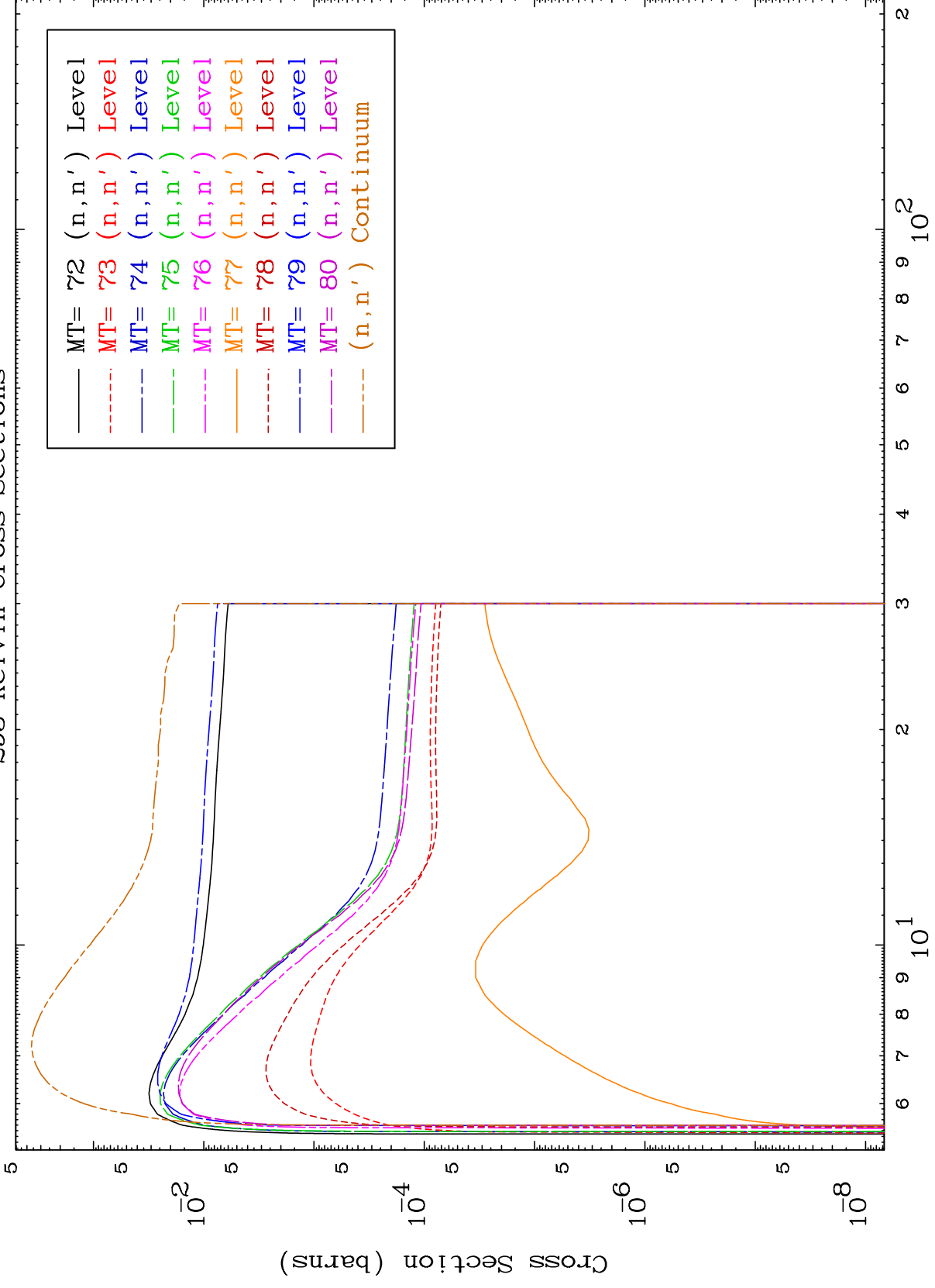
6

MAT 5082

(n,n') Level

50-Sn-131

293 Kelvin Cross Sections



7

Incident Energy (MeV)

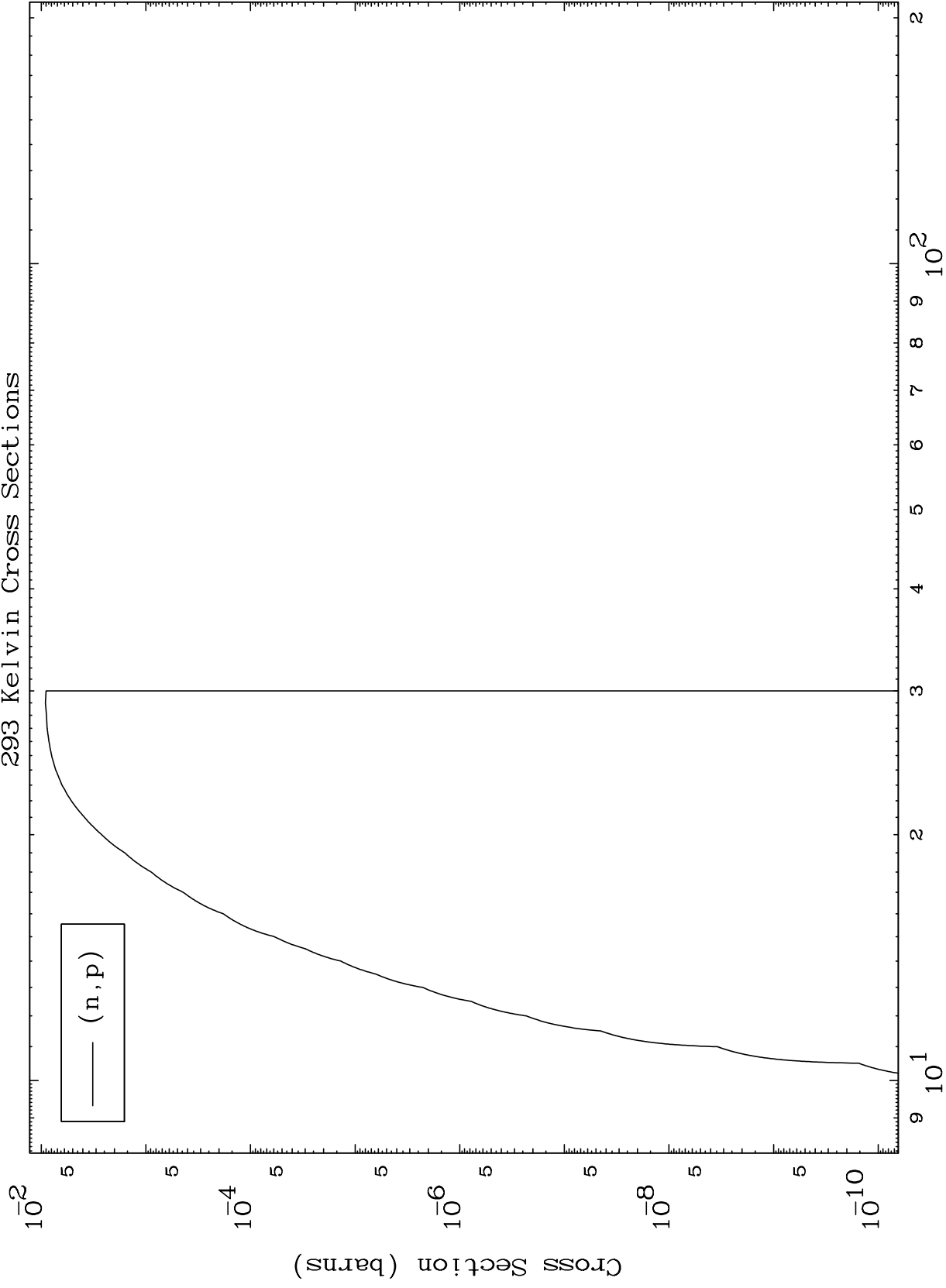
50-Sn-131



MAT 5082

(n,p) Levels  
293 Kelvin Cross Sections

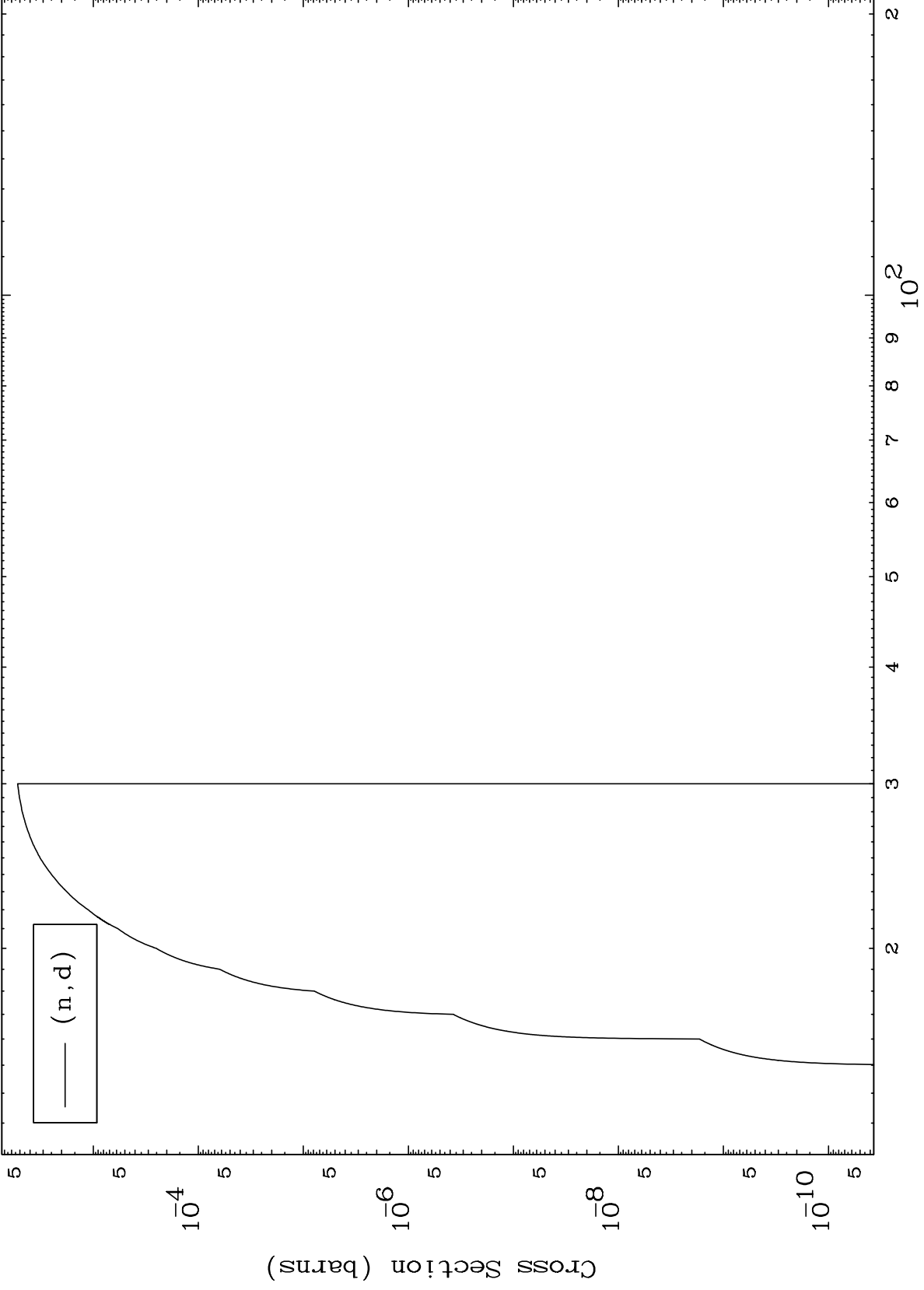
50-Sn-131



Incident Energy (MeV)

50-Sn-131

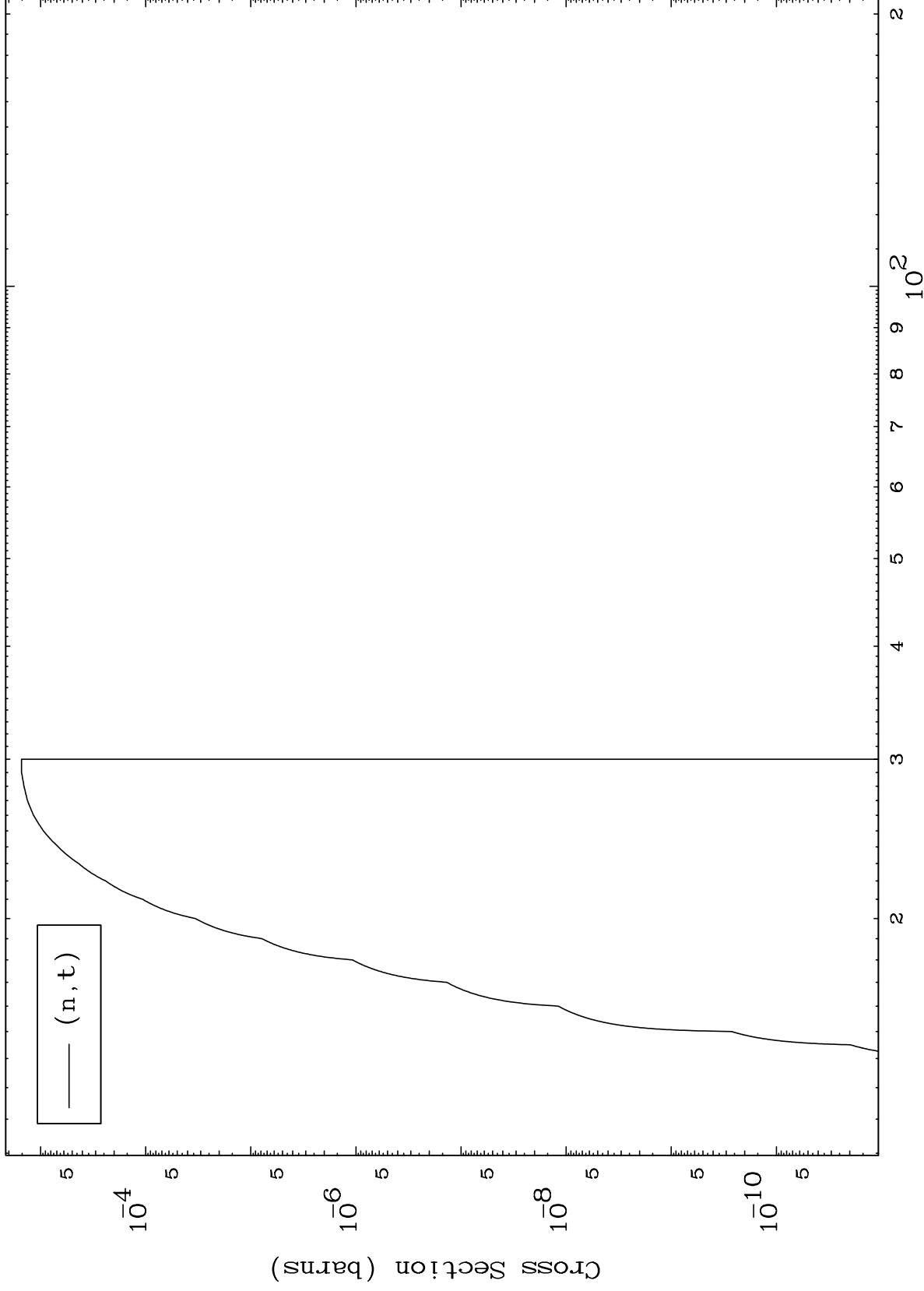
8



MAT 5082

(n,t) Levels  
293 Kelvin Cross Sections

50-Sn-131



10

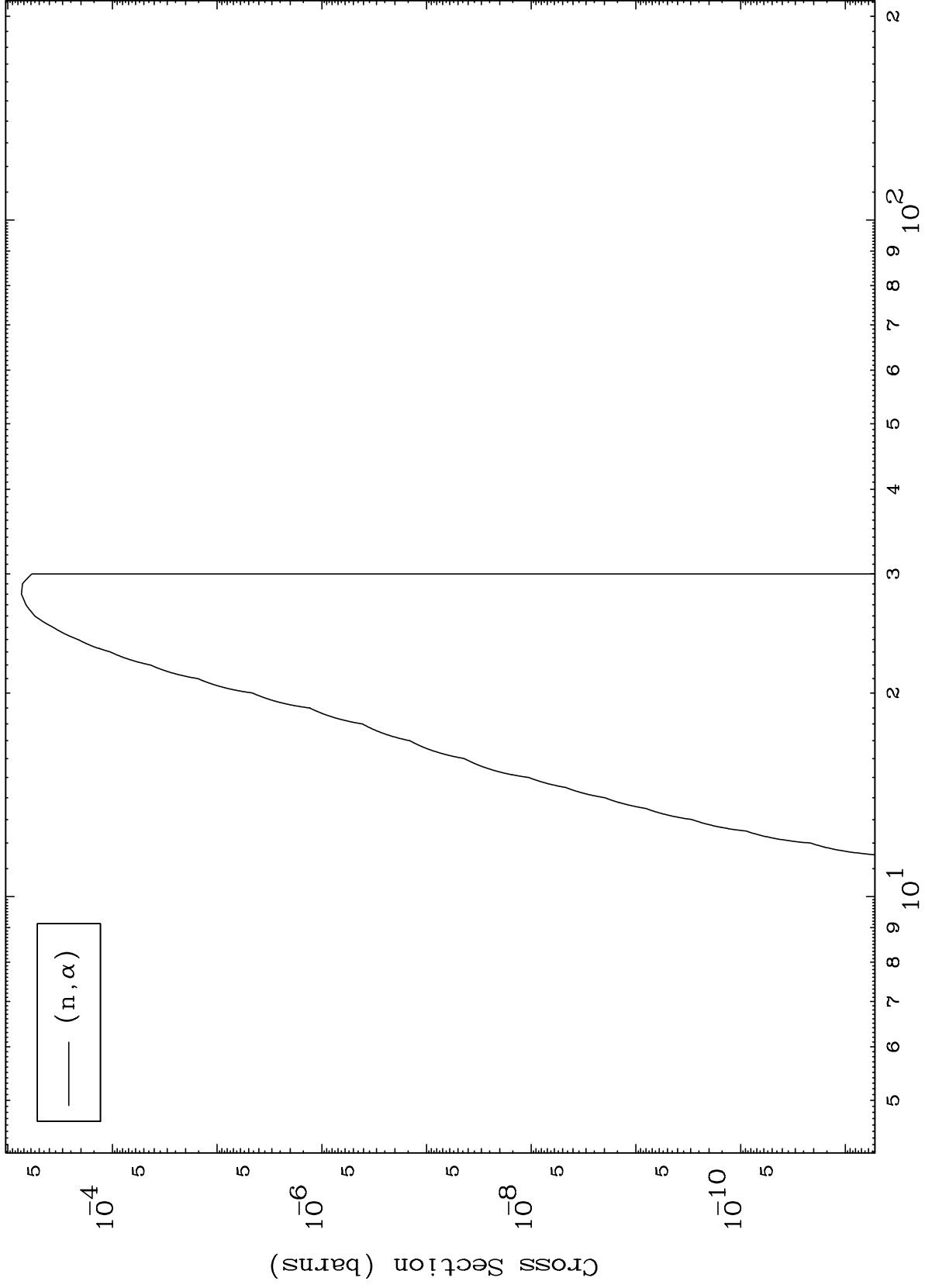
Incident Energy (MeV)

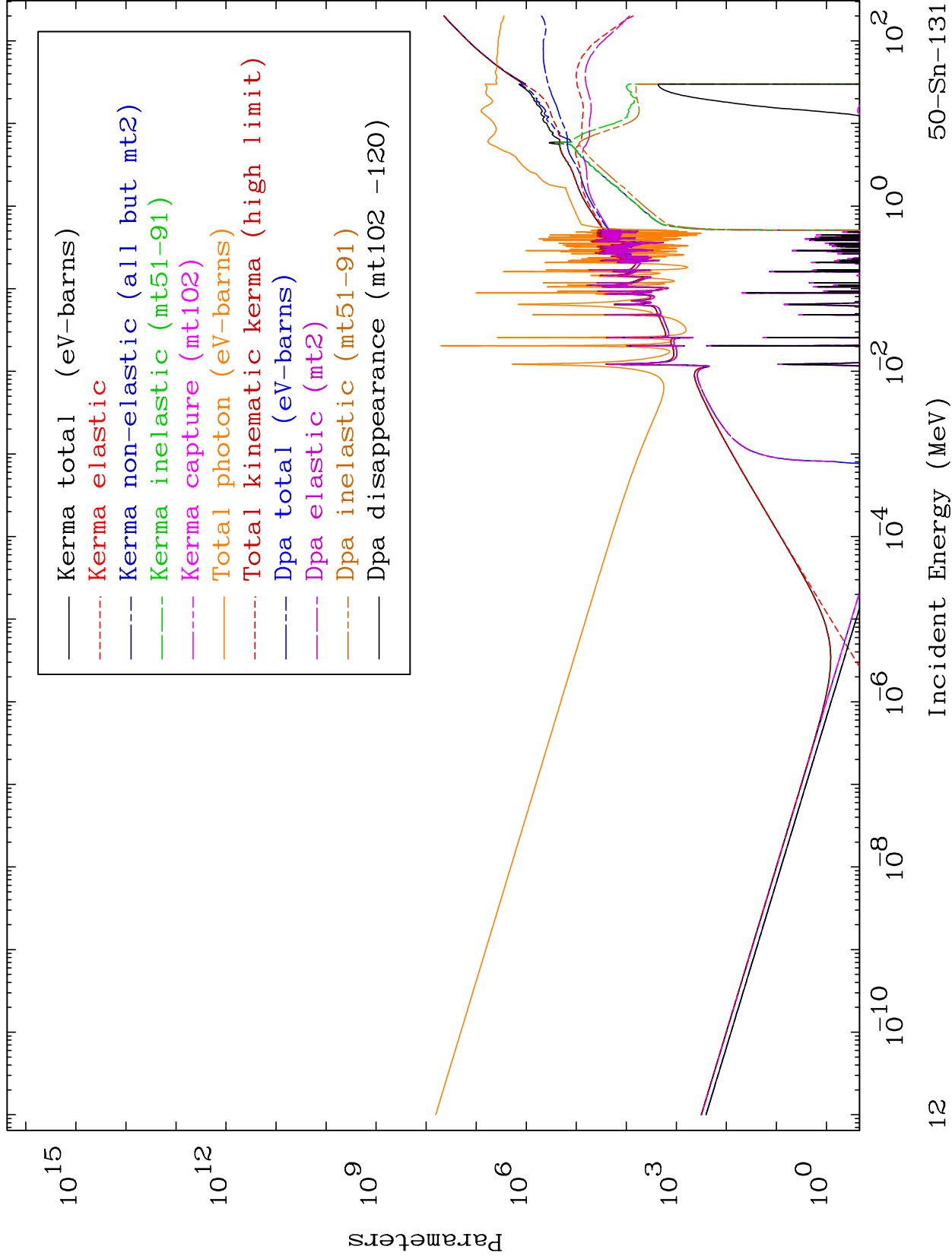
50-Sn-131

MAT 5082

(n,α) Levels  
293 Kelvin Cross Sections

50-Sn-131

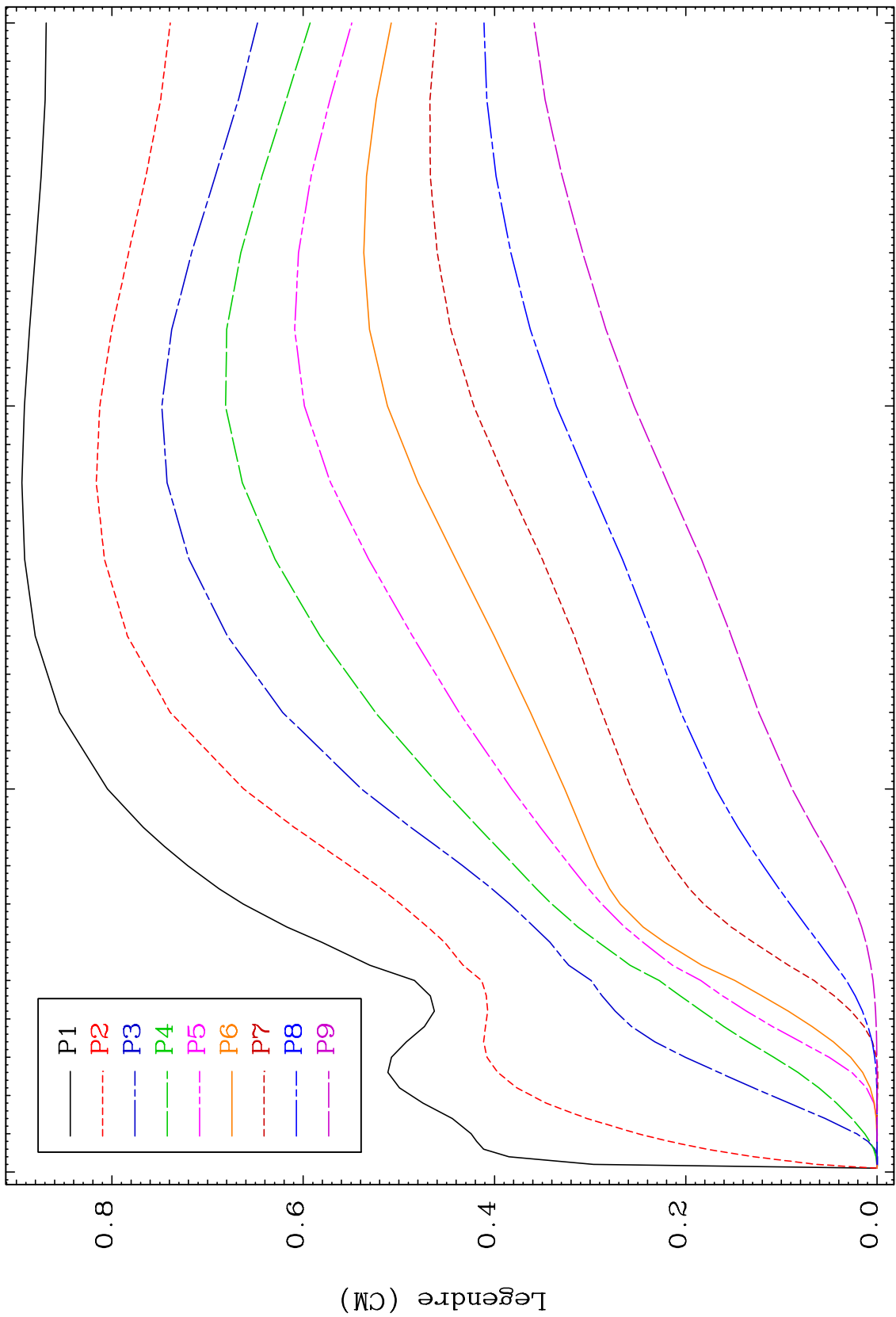




MAT 5082

50-Sn-131

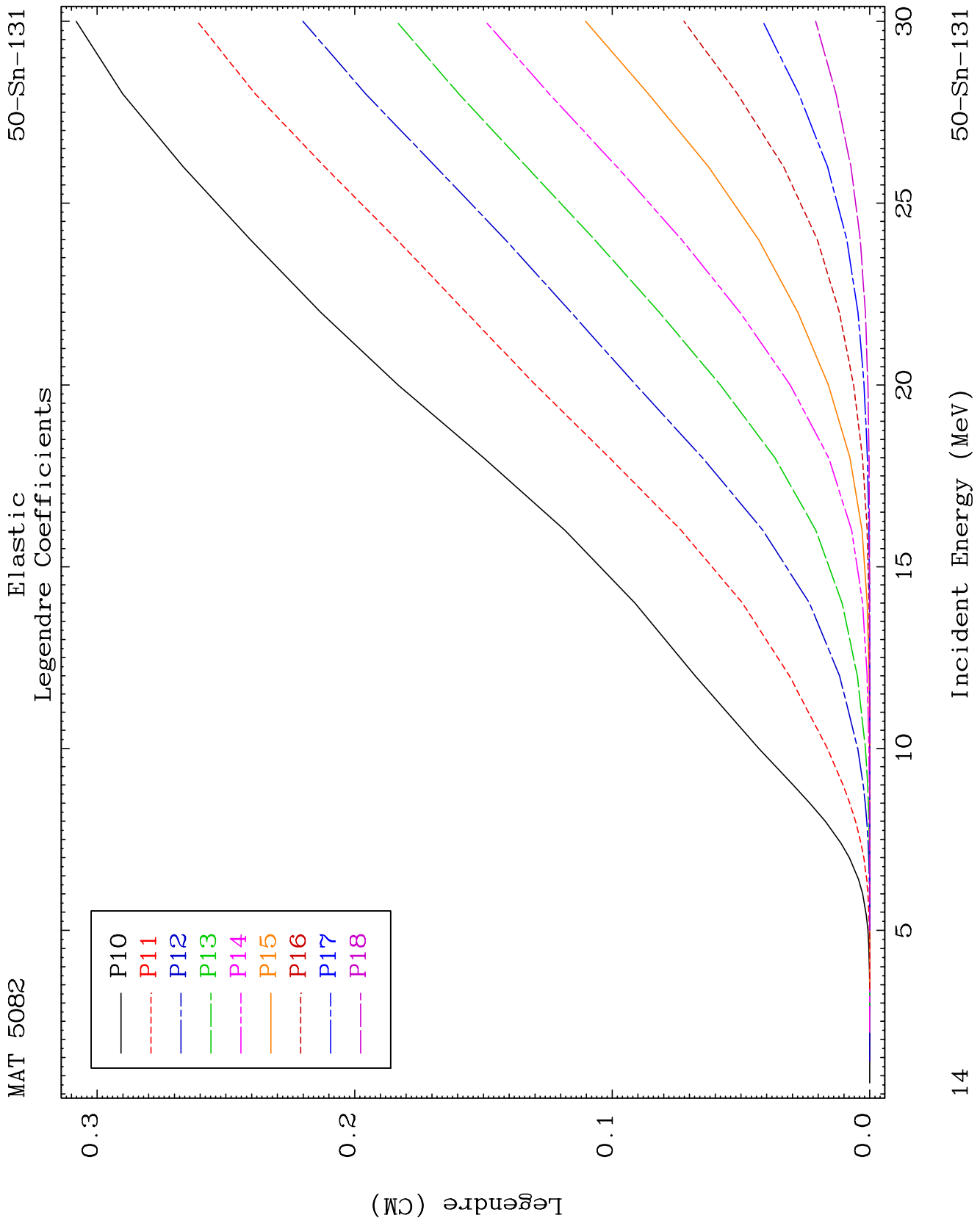
Elastic Legendre Coefficients



50-Sn-131

Incident Energy (MeV)

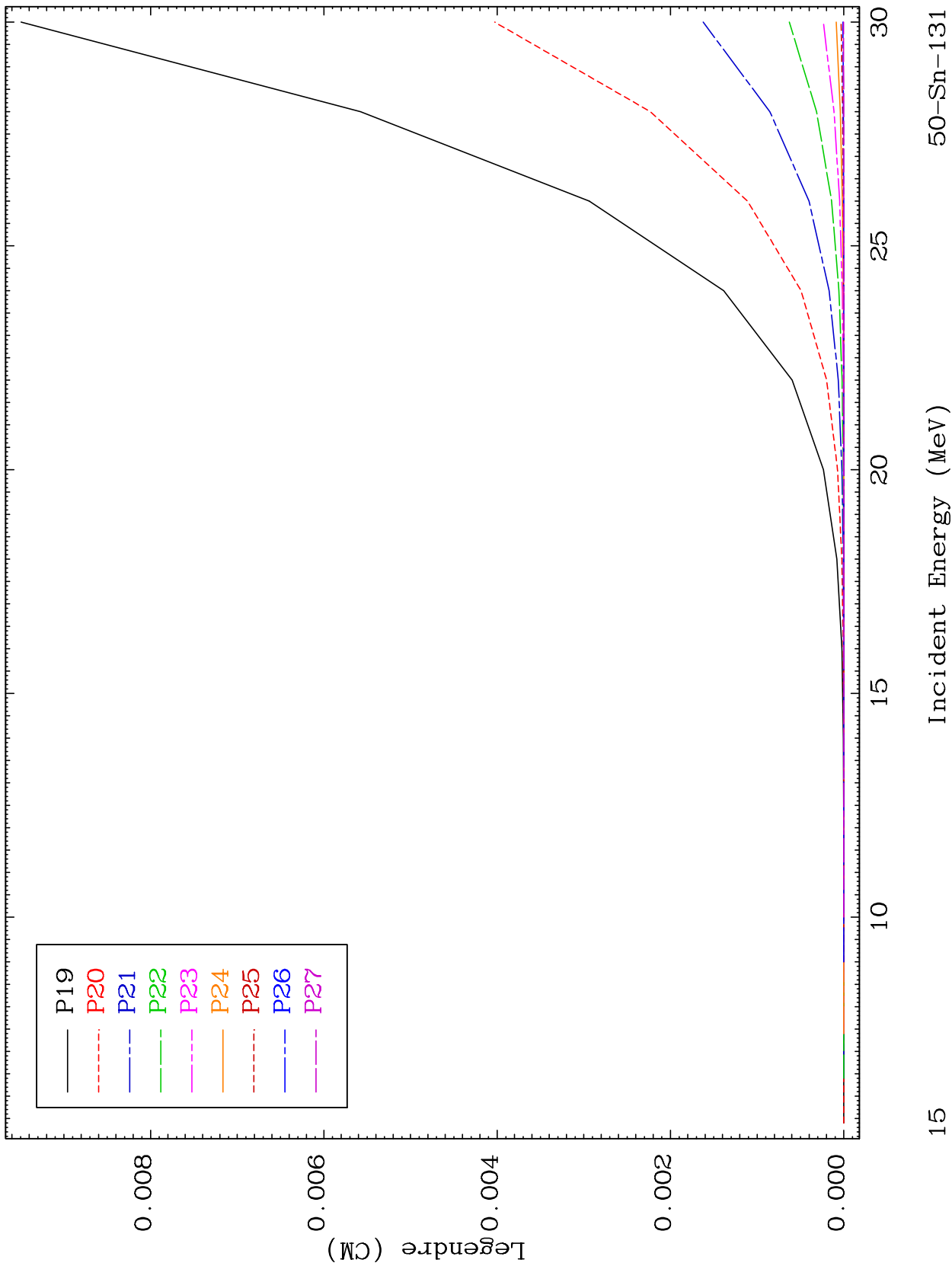
13



MAT 5082

### Elastic Legendre Coefficients

50-Sn-131



15

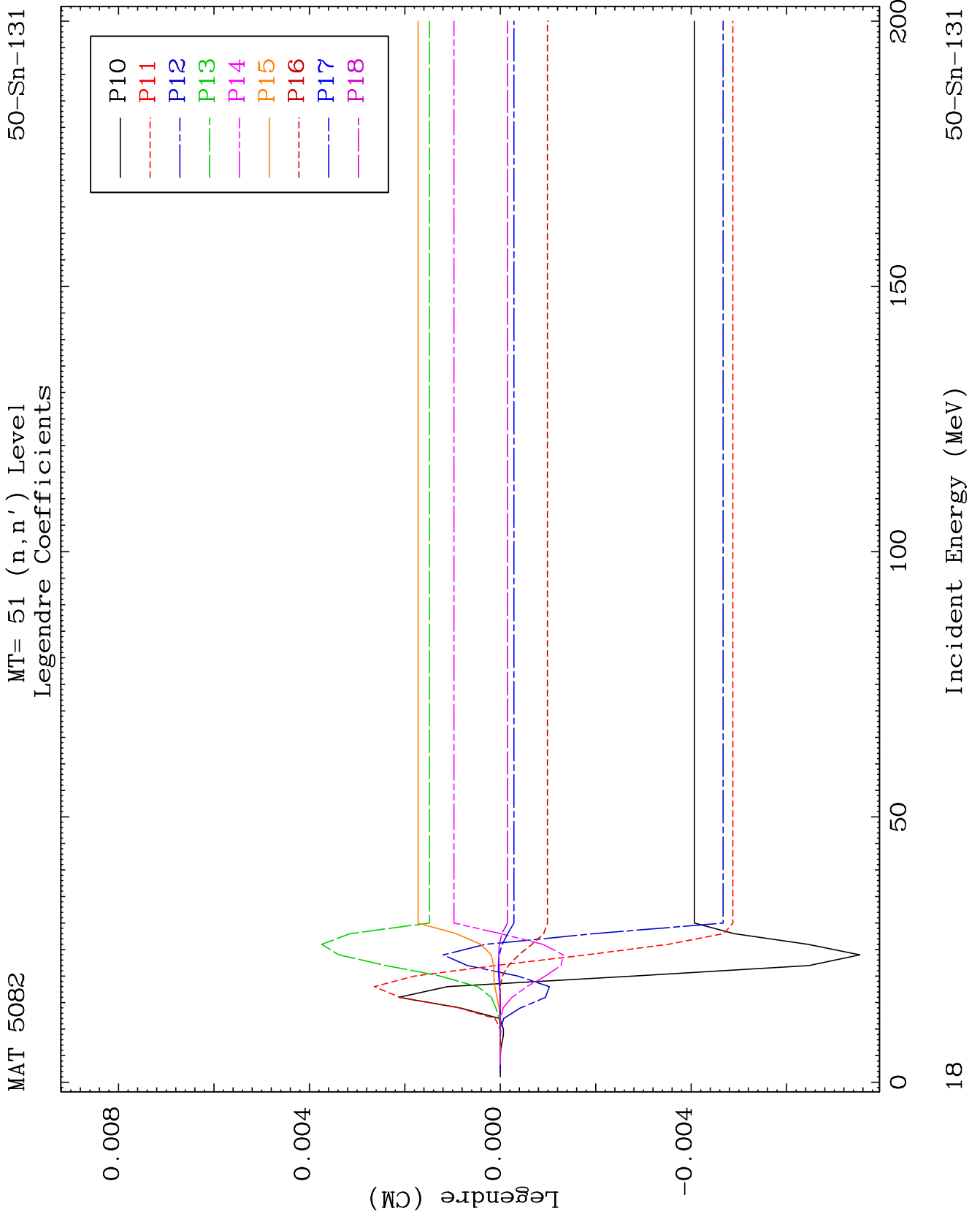
Incident Energy (MeV)

50-Sn-131





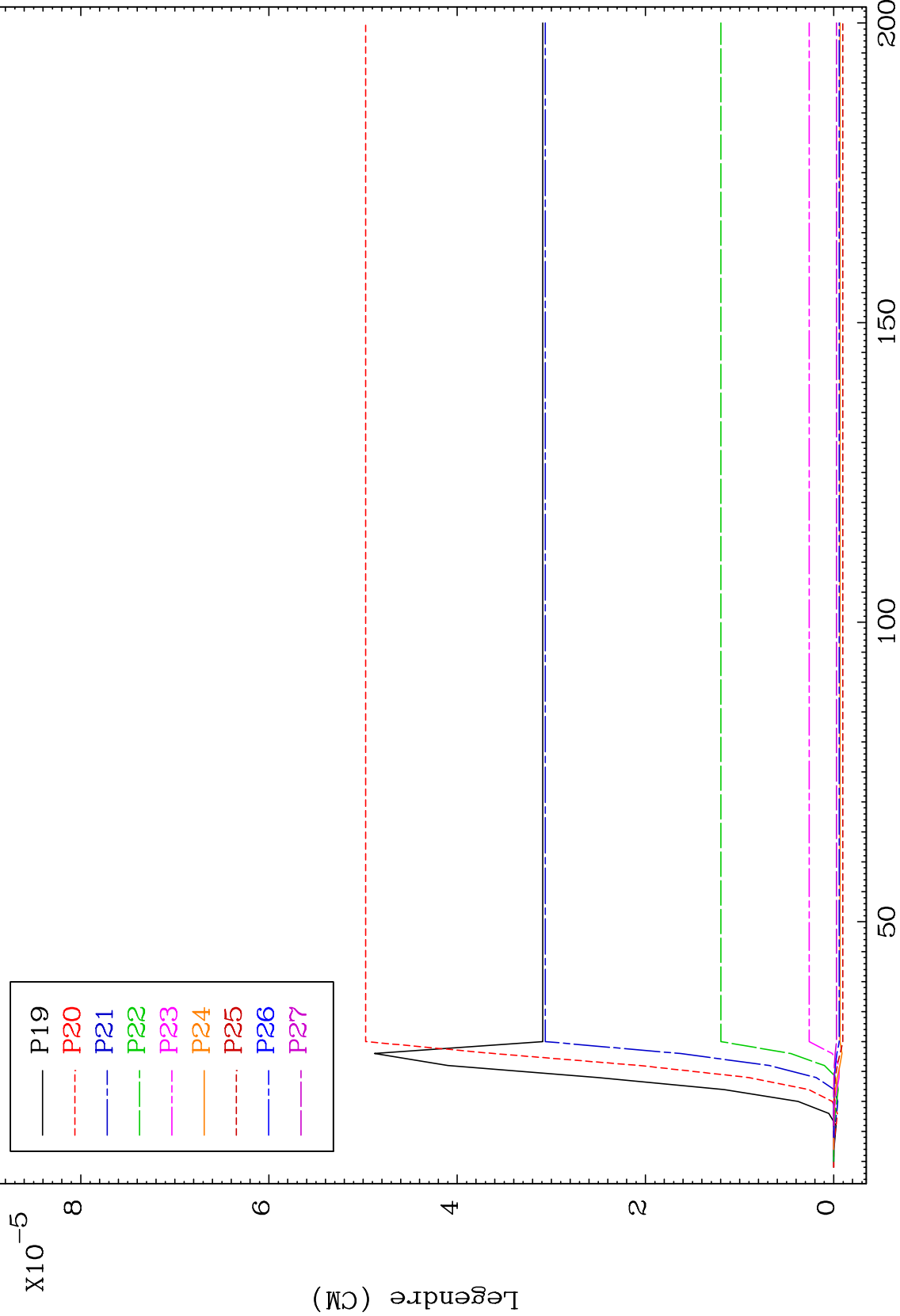
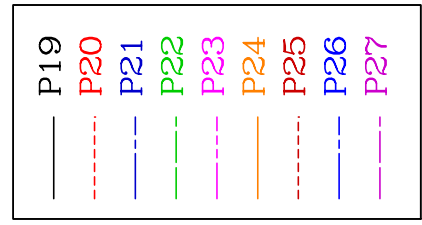




MAT 5082

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

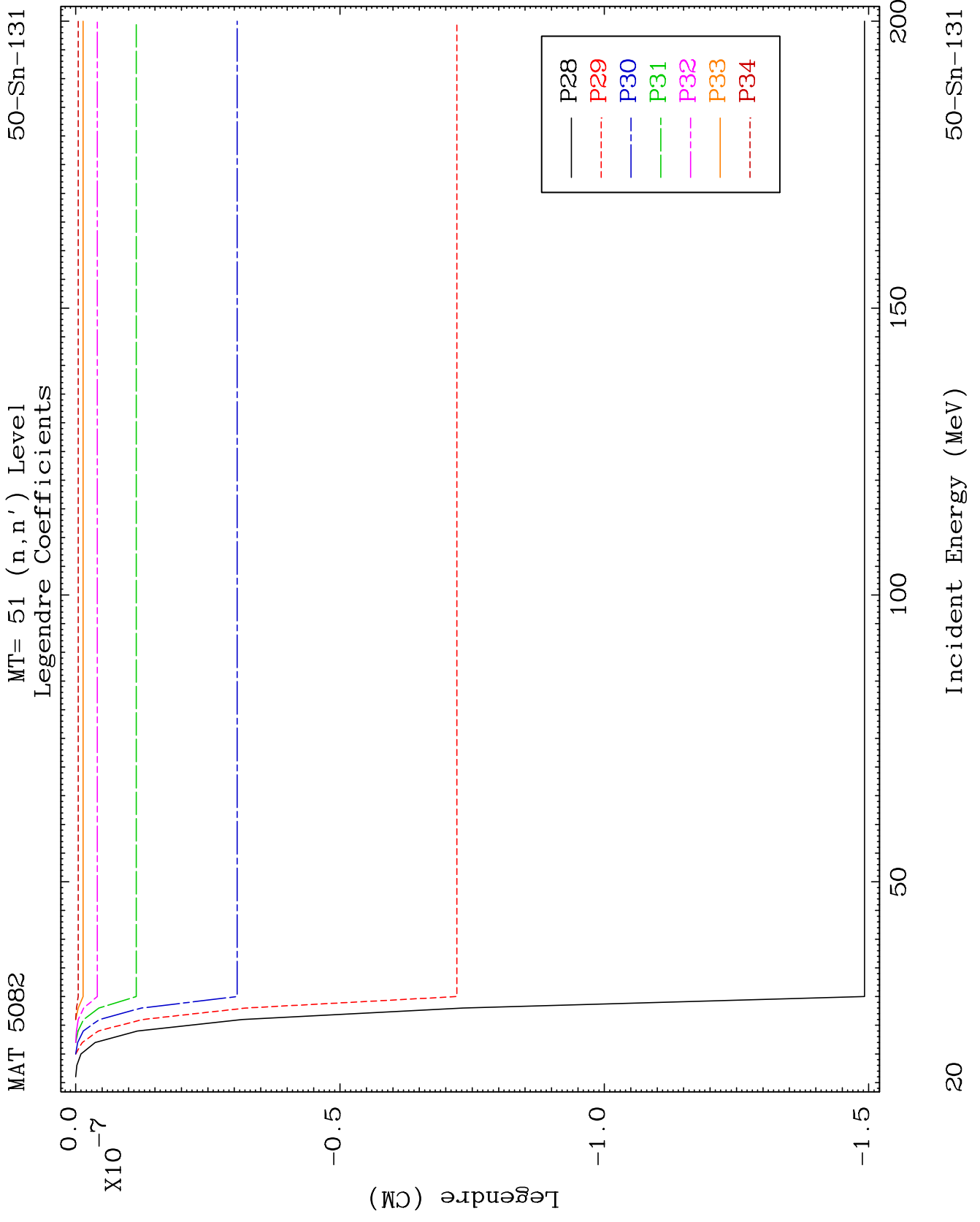
50-Sn-131



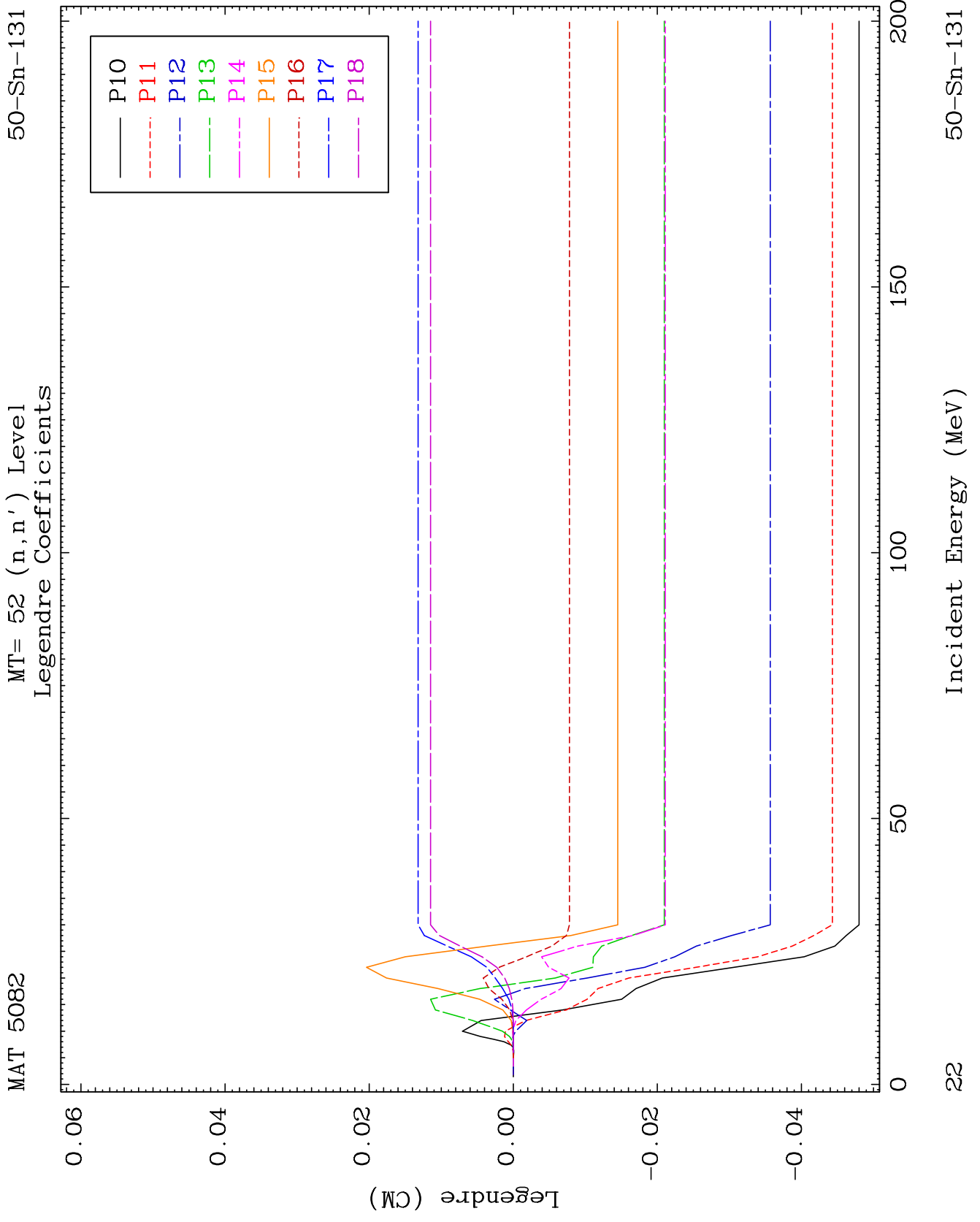
19

Incident Energy (MeV)

50-Sn-131



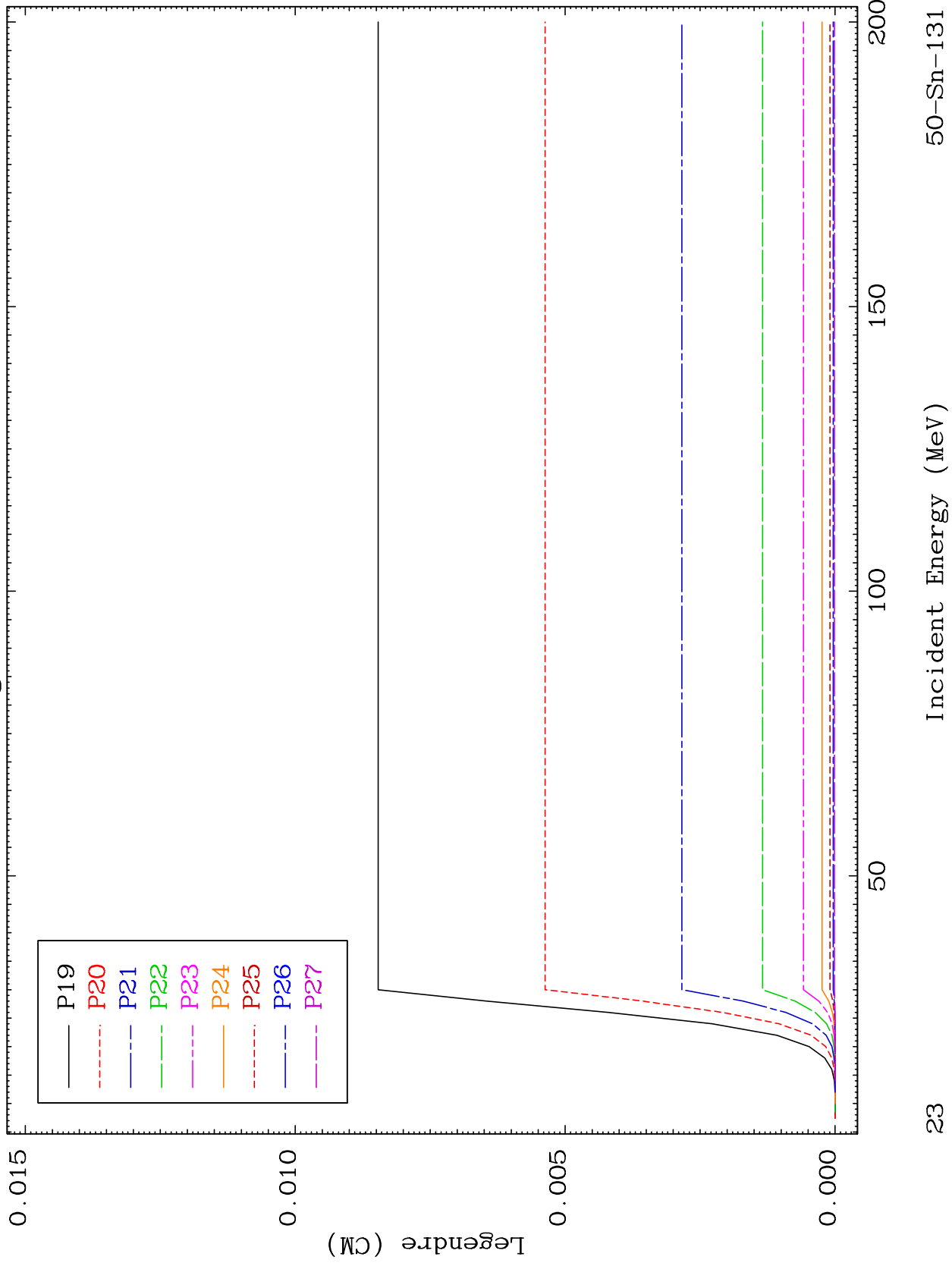




MAT 5082

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

50-Sn-131

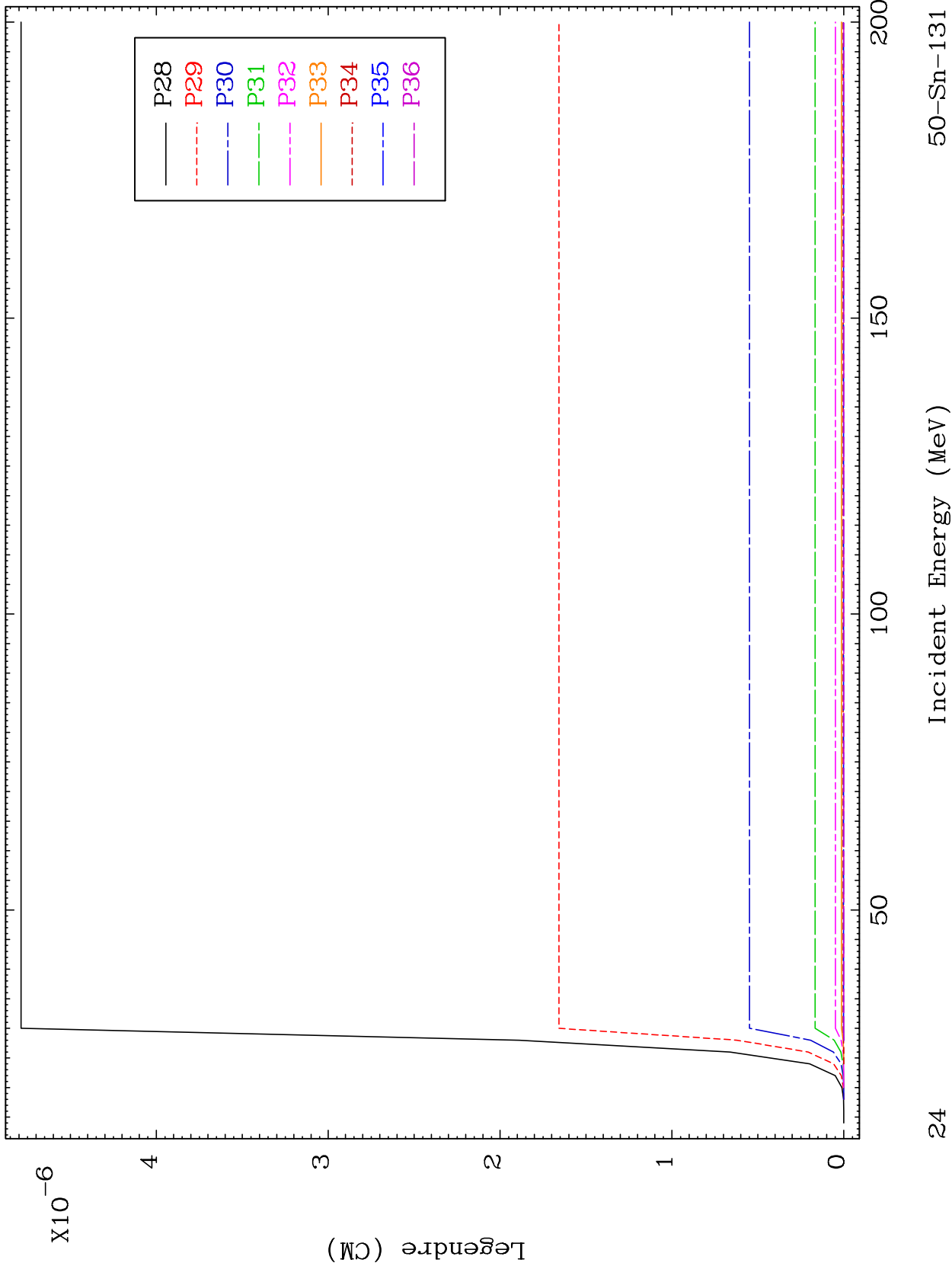




MAT 5082

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

50-Sn-131



24

Incident Energy (MeV)

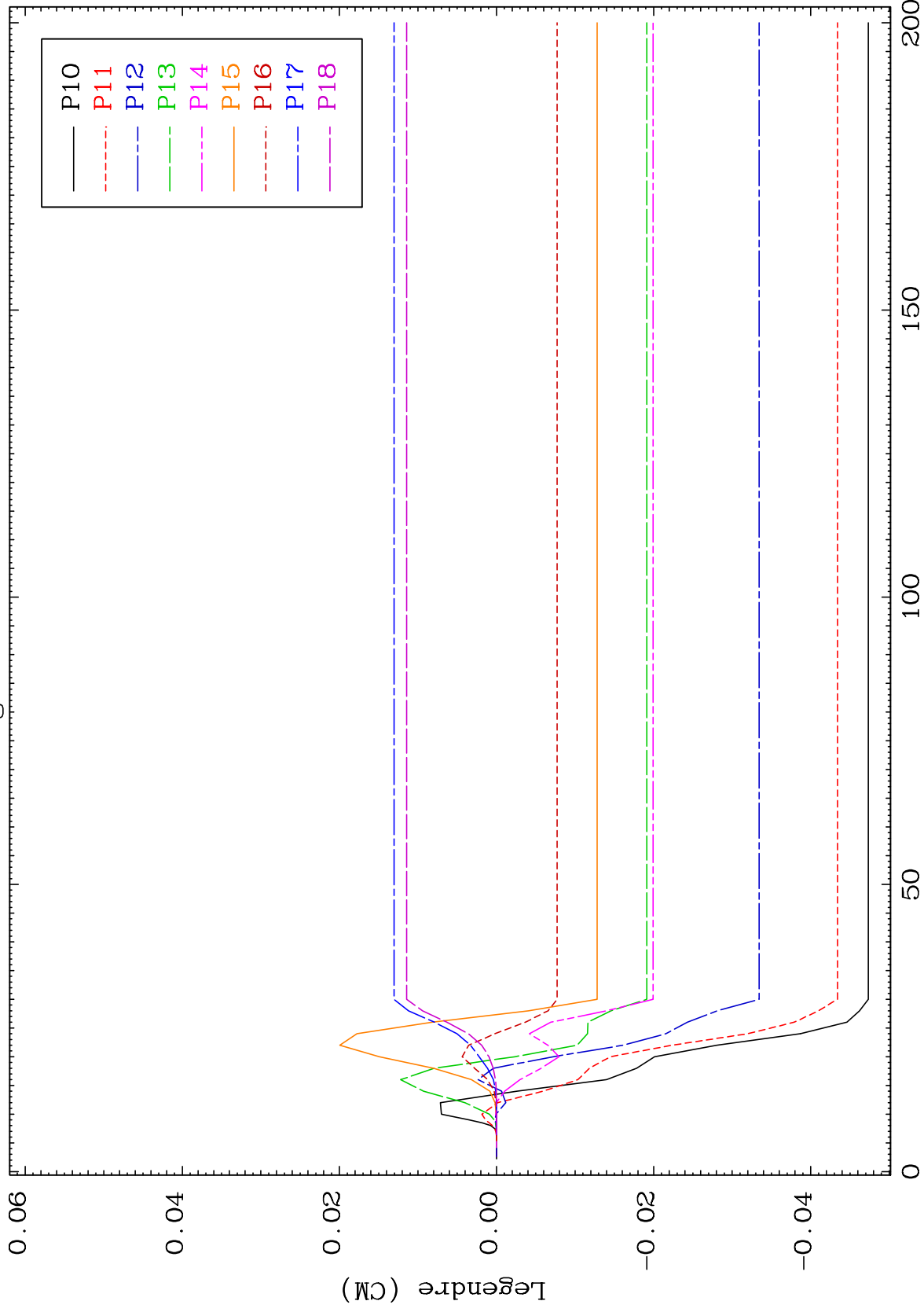
50-Sn-131



MAT 5082

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

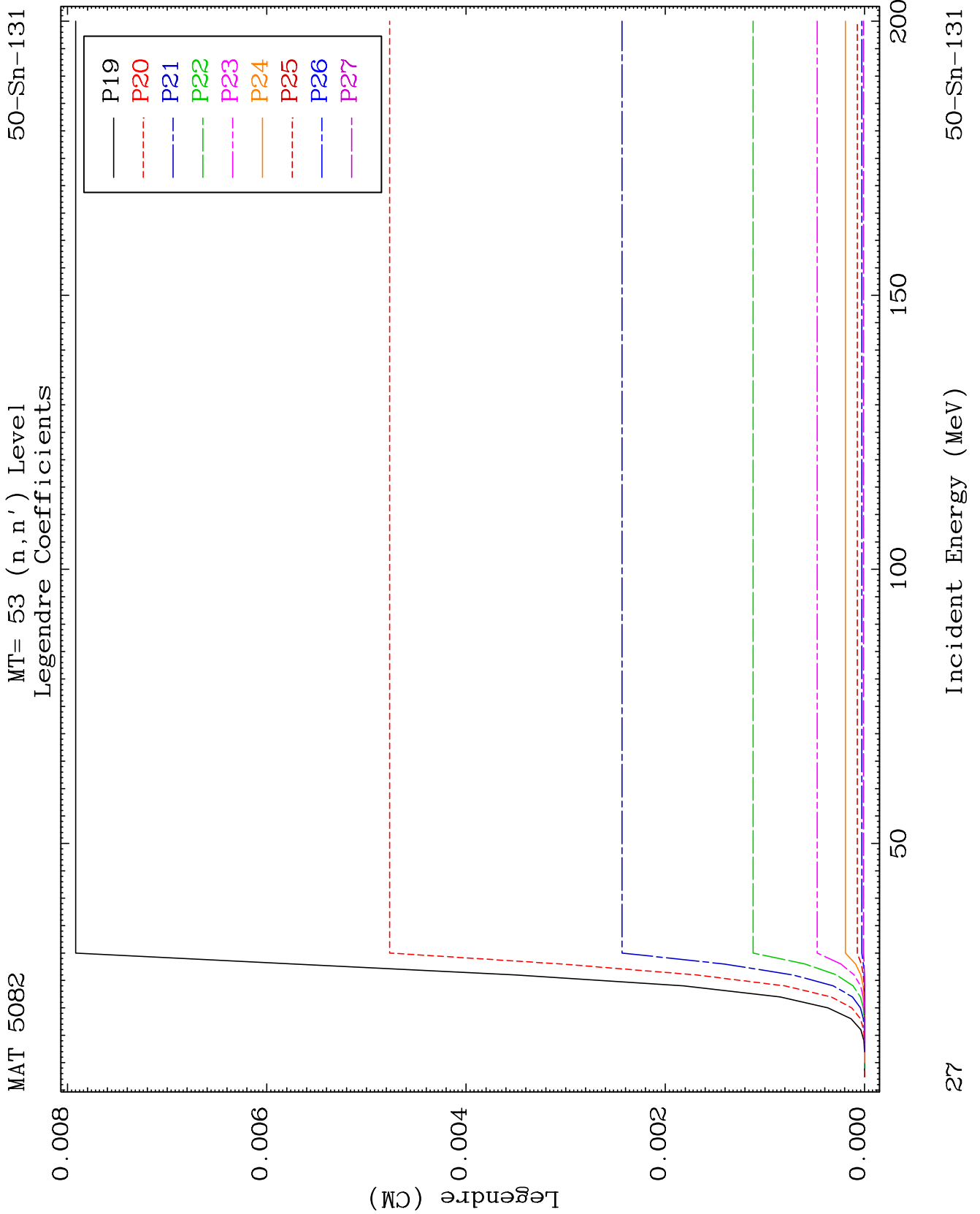
50-Sn-131



26

Incident Energy (MeV)

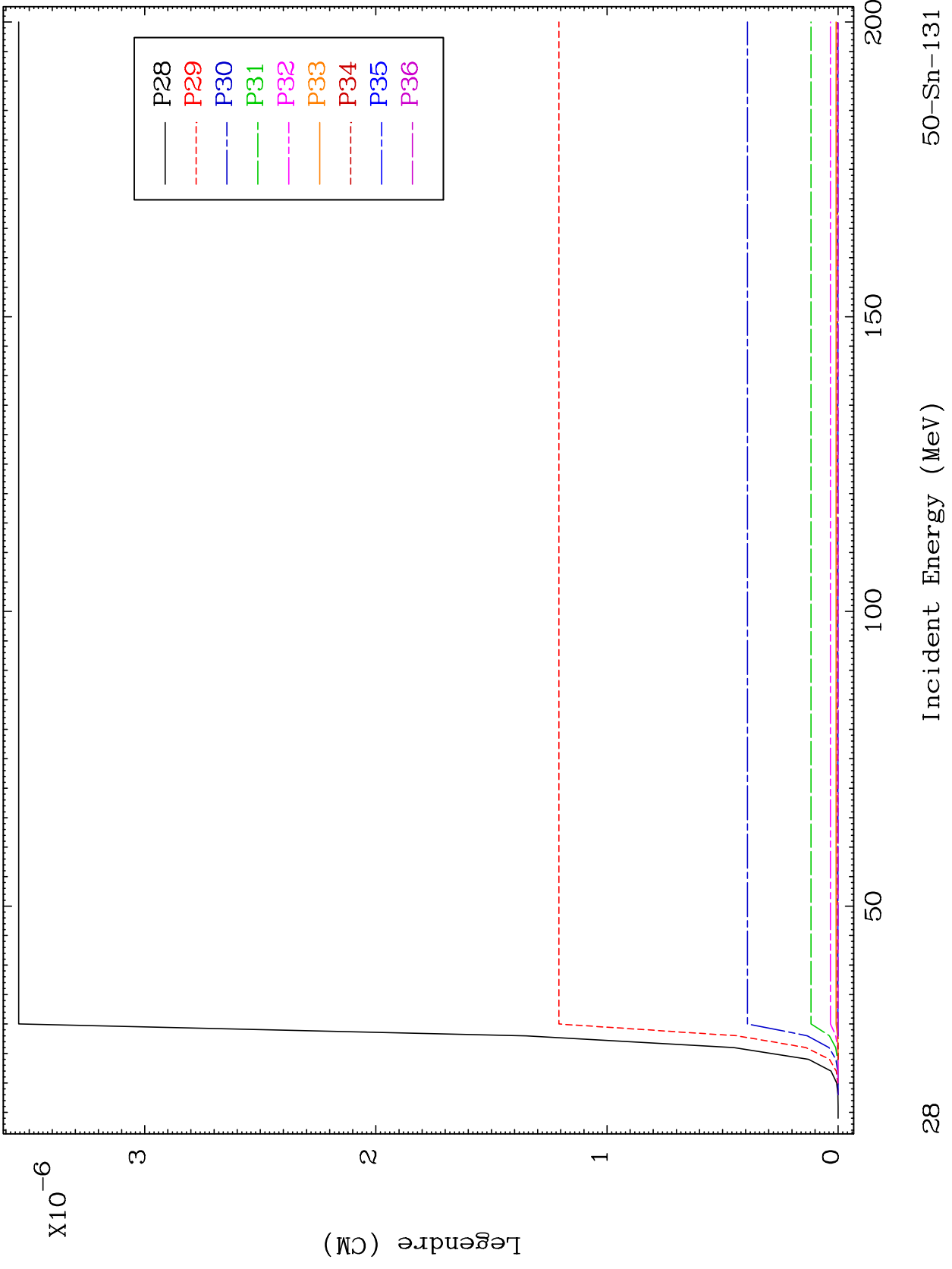
50-Sn-131



MAT 5082

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

50-Sn-131



28

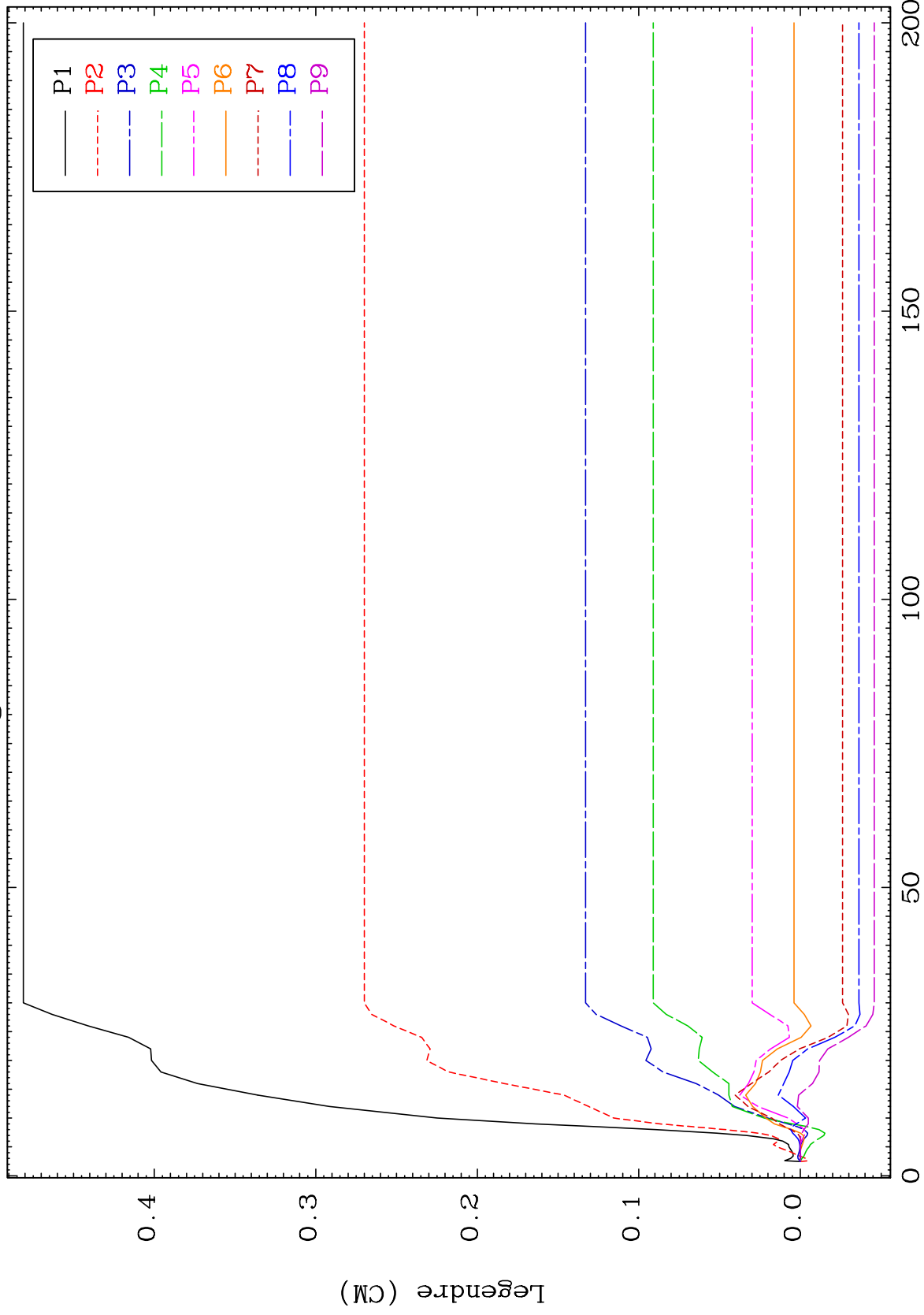
Incident Energy (MeV)

50-Sn-131

MAT 5082

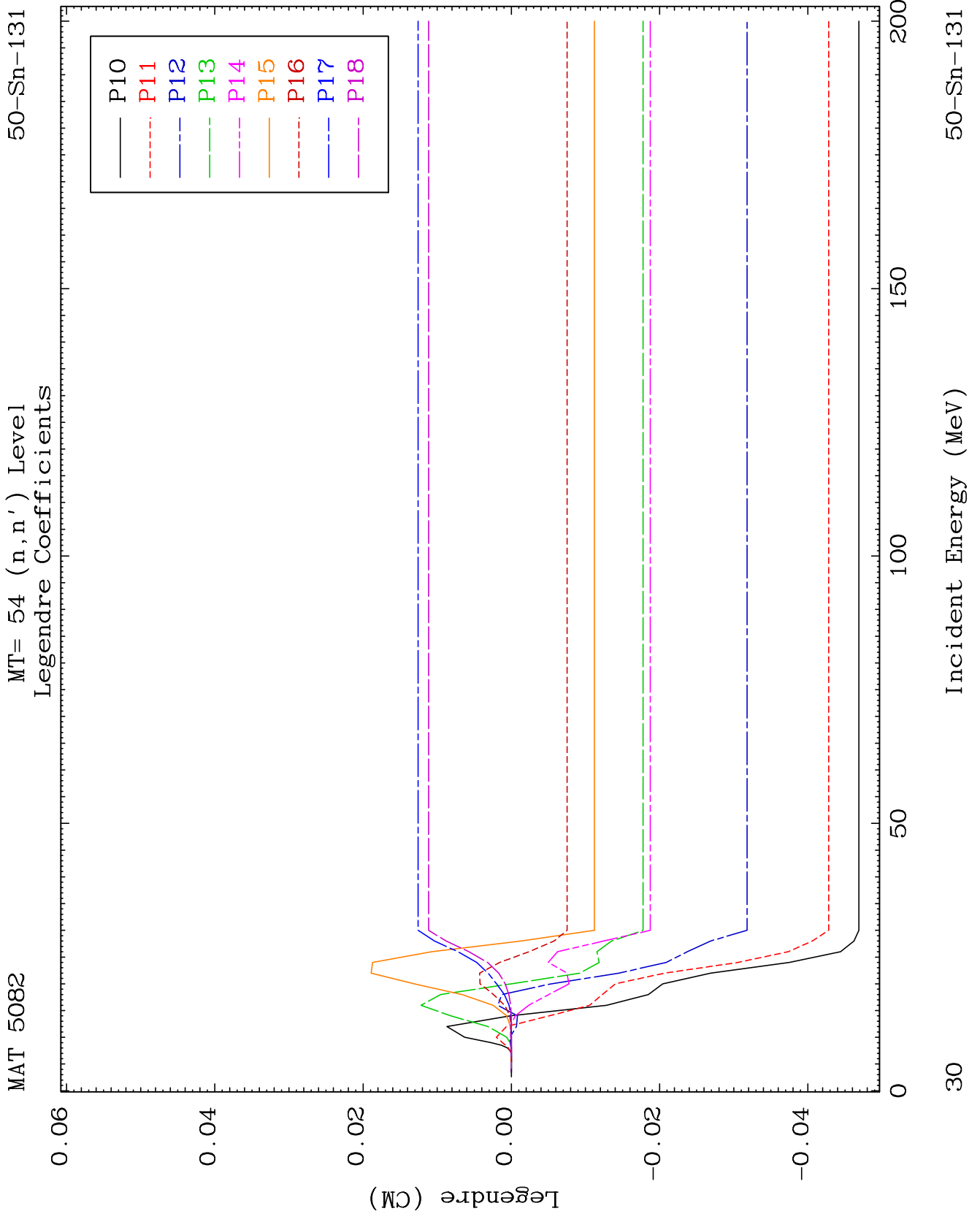
MT= 54 (n,n') Level  
Legendre Coefficients

50-Sn-131



29

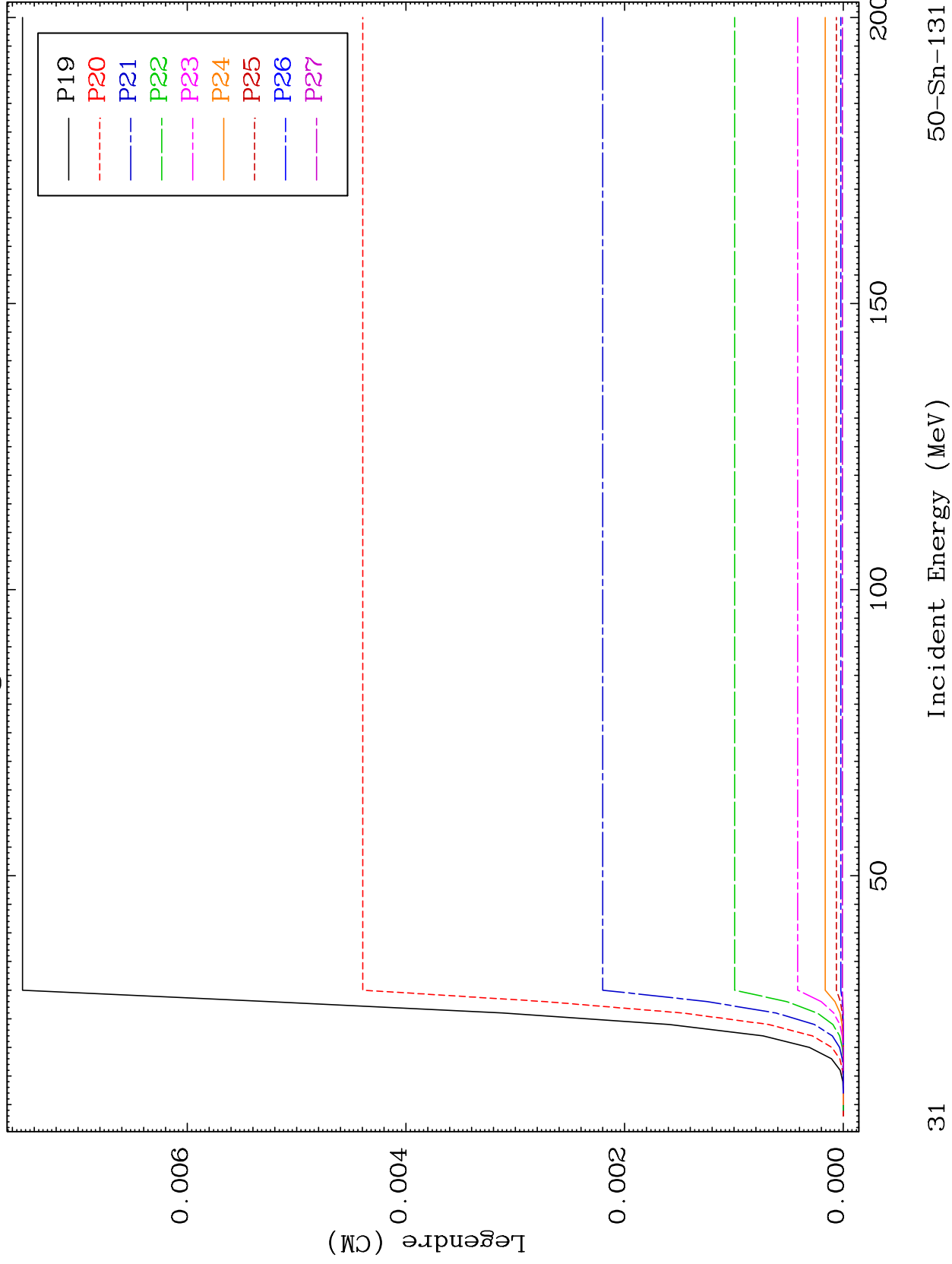
50-Sn-131



MAT 5082

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

50-Sn-131



31

Incident Energy (MeV)

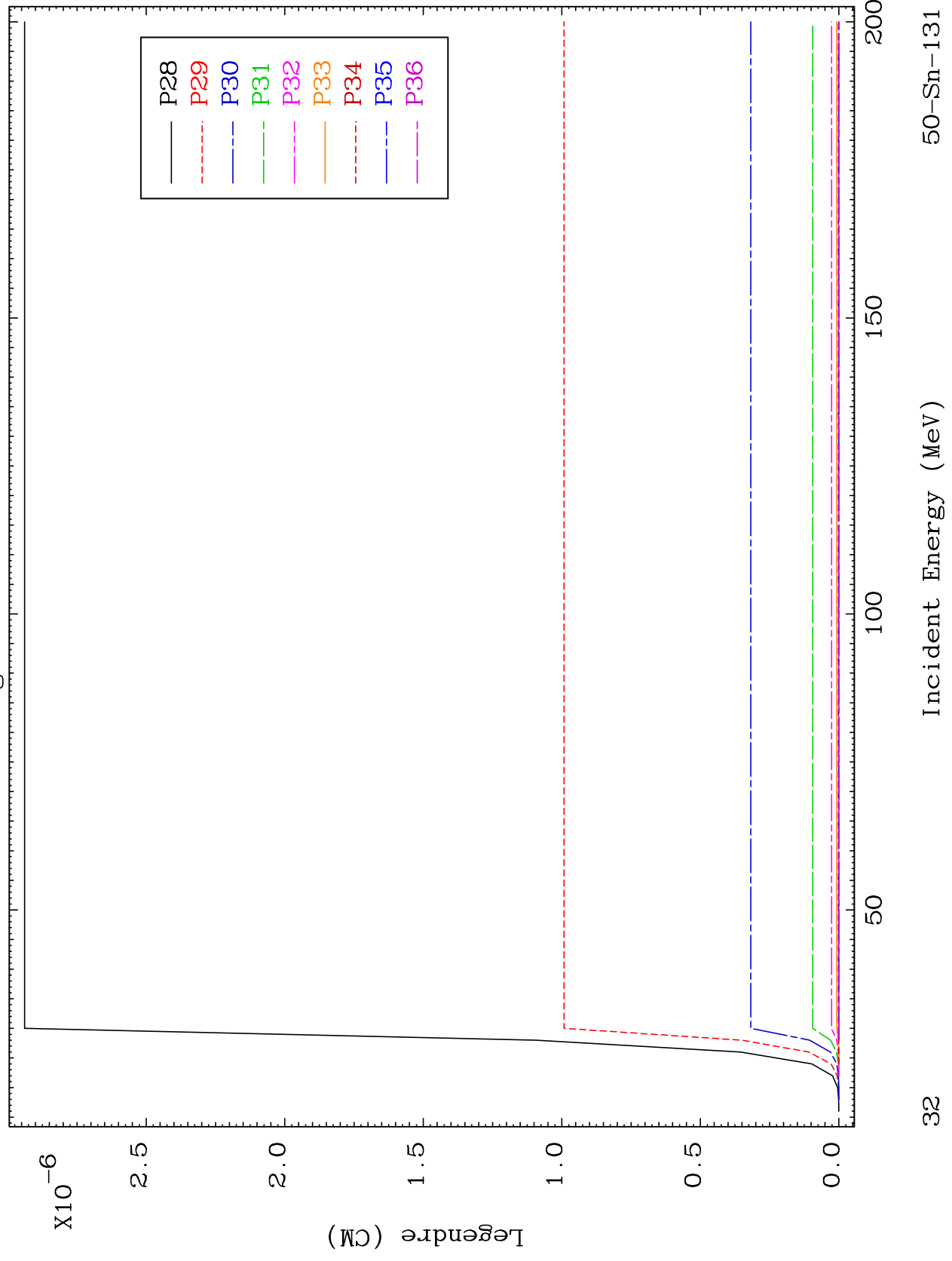
50-Sn-131



MAT 5082

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

50-Sn-131

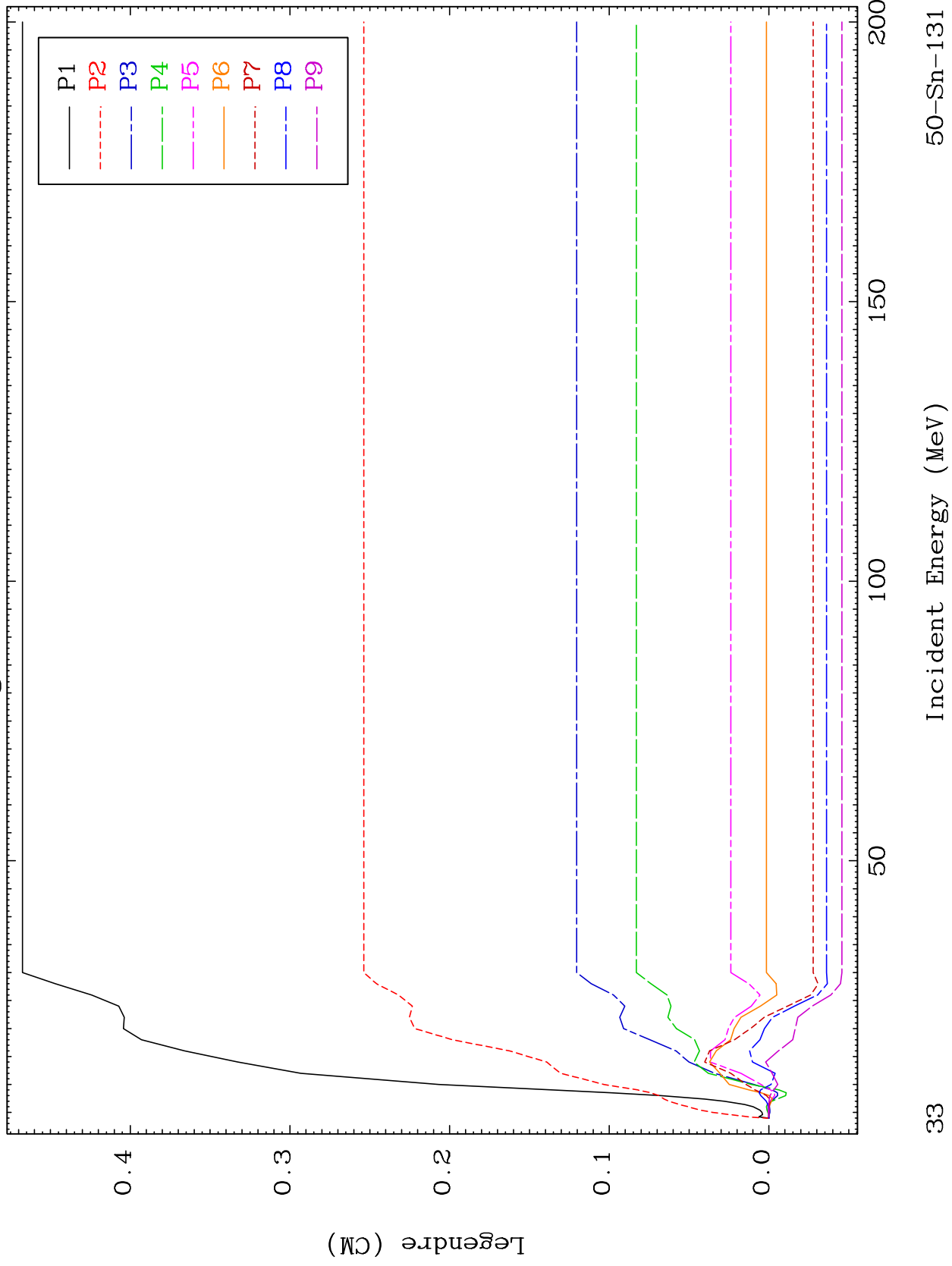


32

MAT 5082

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

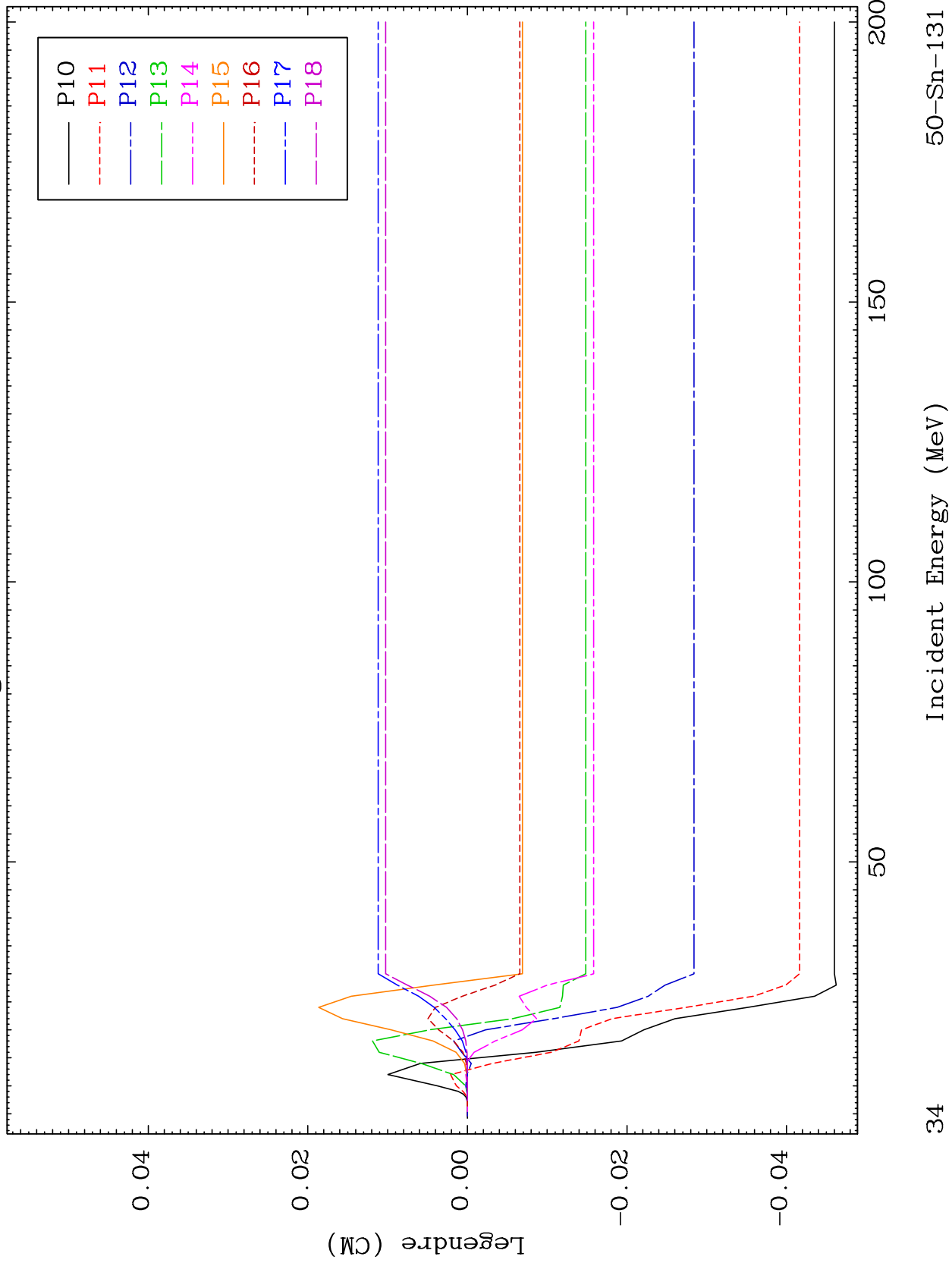
50-Sn-131



MAT 5082

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

50-Sn-131



34

Incident Energy (MeV)

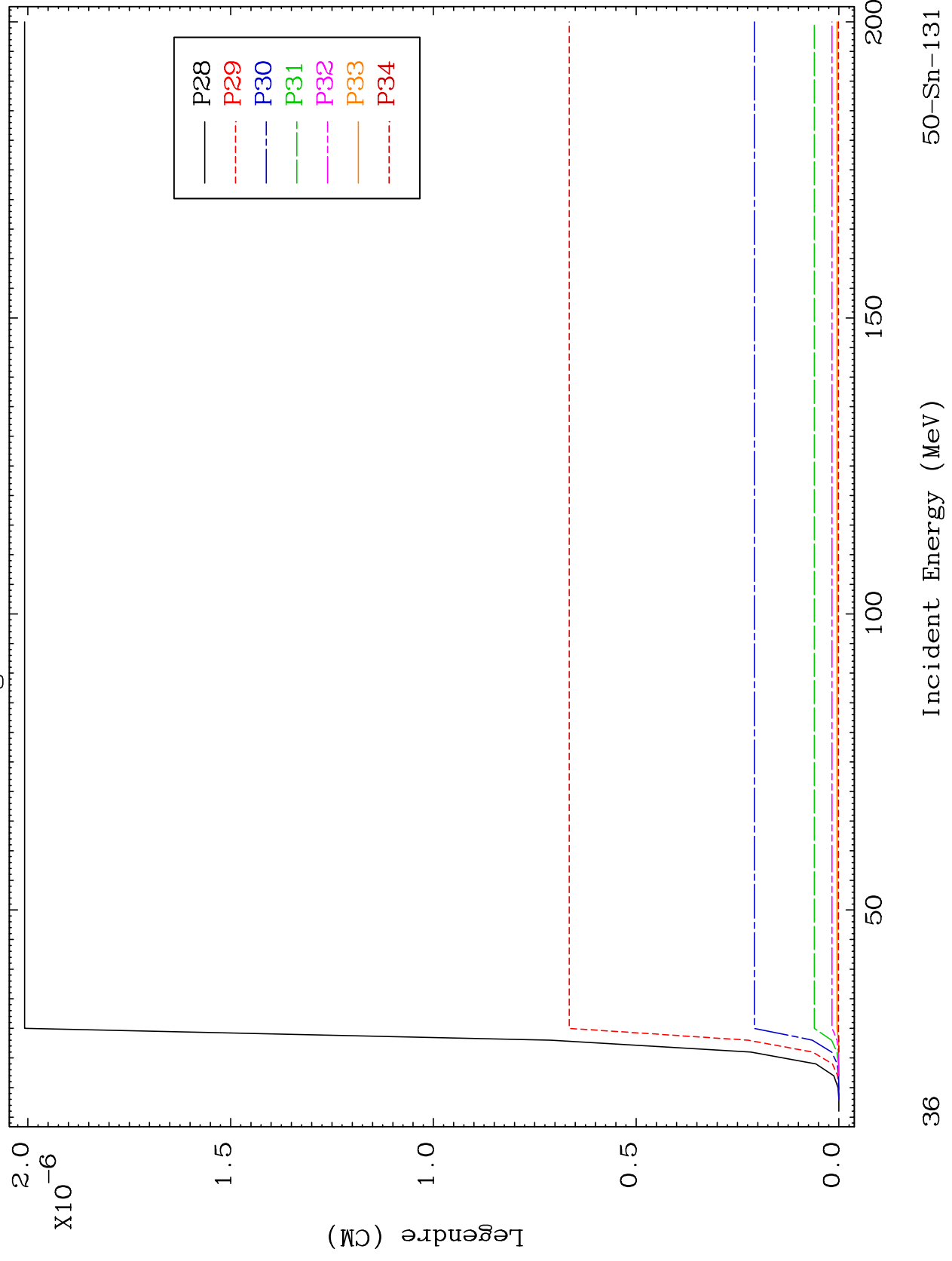
50-Sn-131



MAT 5082

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

50-Sn-131



36

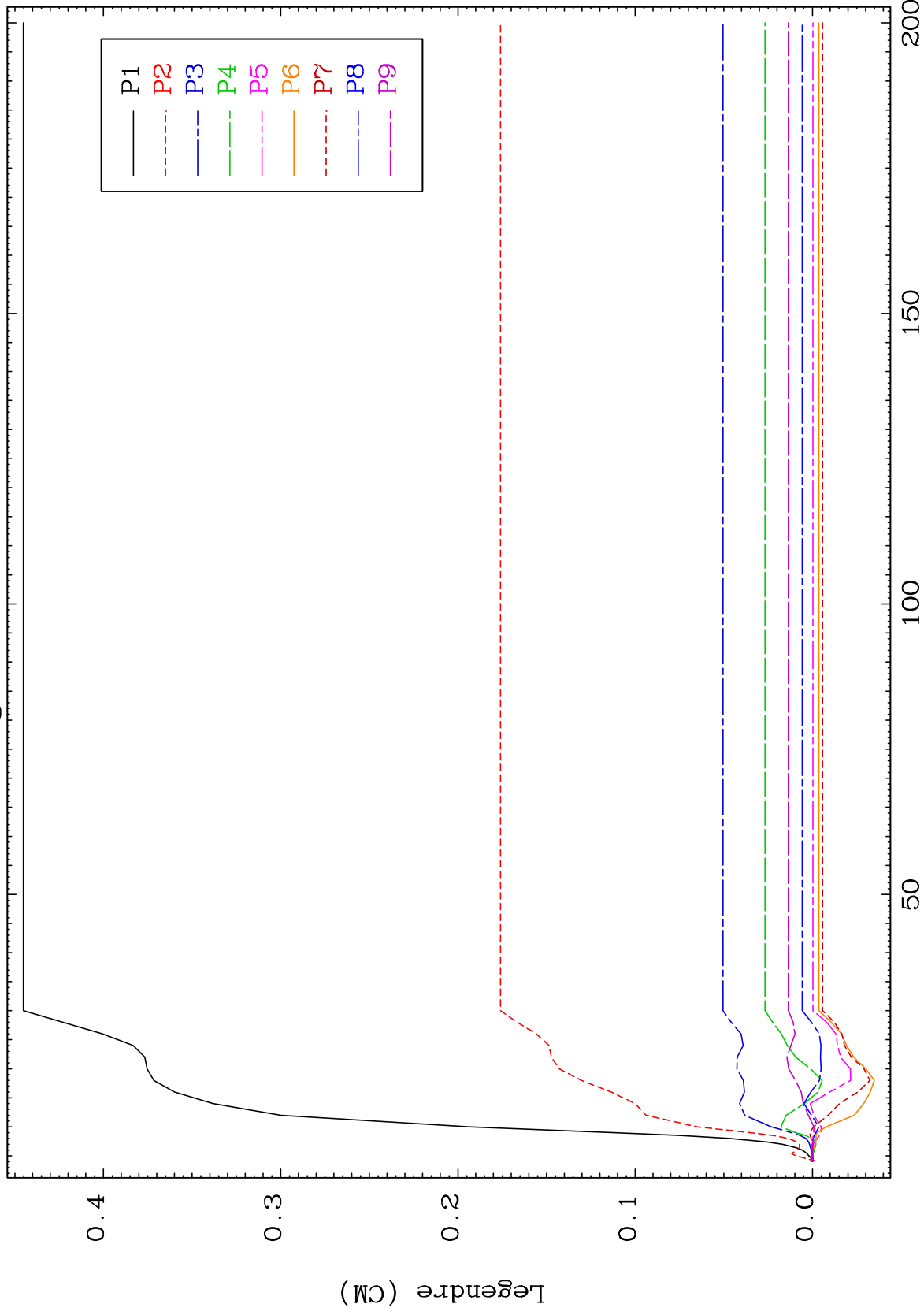
Incident Energy (MeV)

50-Sn-131

MAT 5082

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

50-Sn-131



37

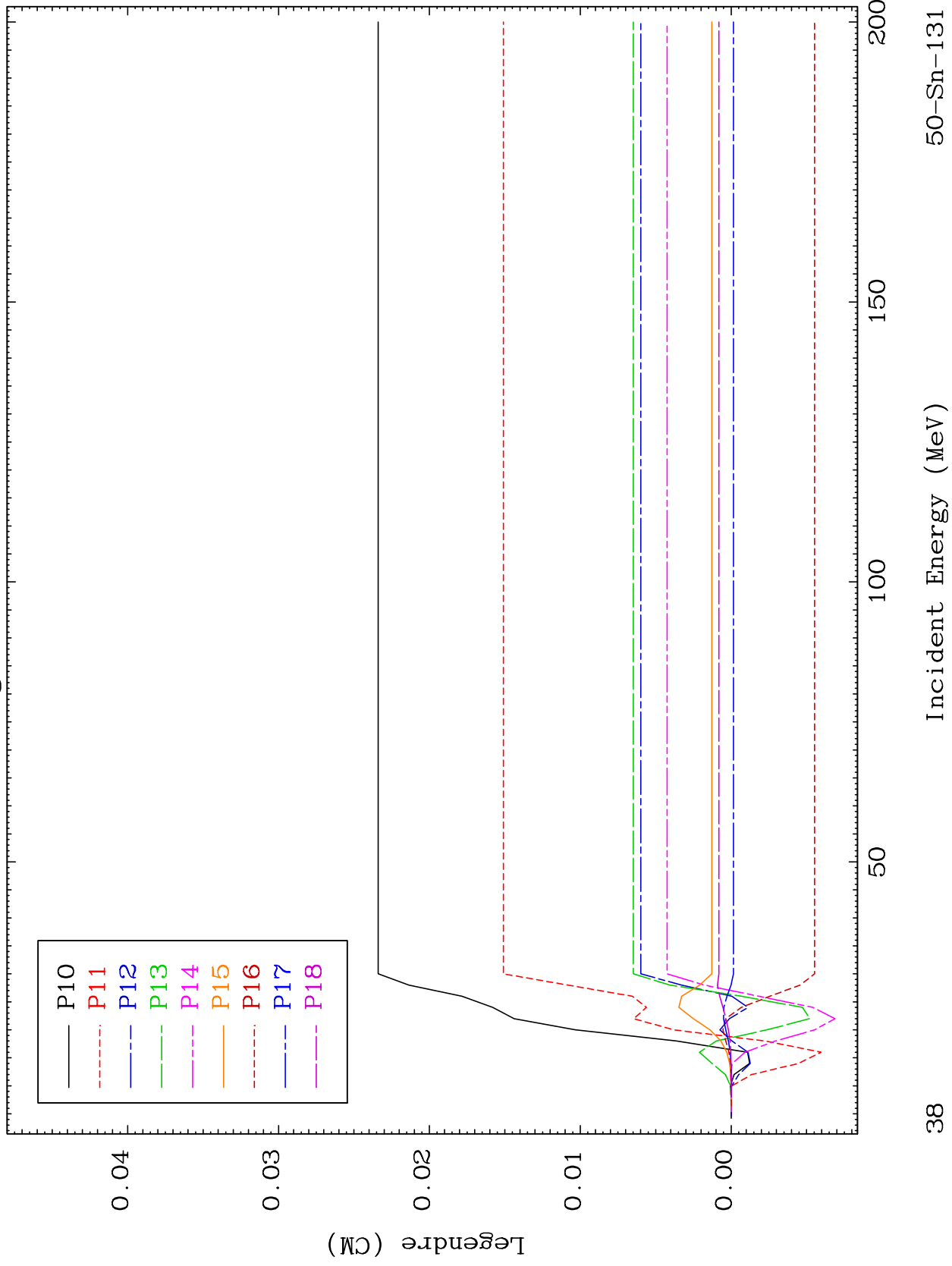
Incident Energy (MeV)

50-Sn-131

MAT 5082

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

50-Sn-131



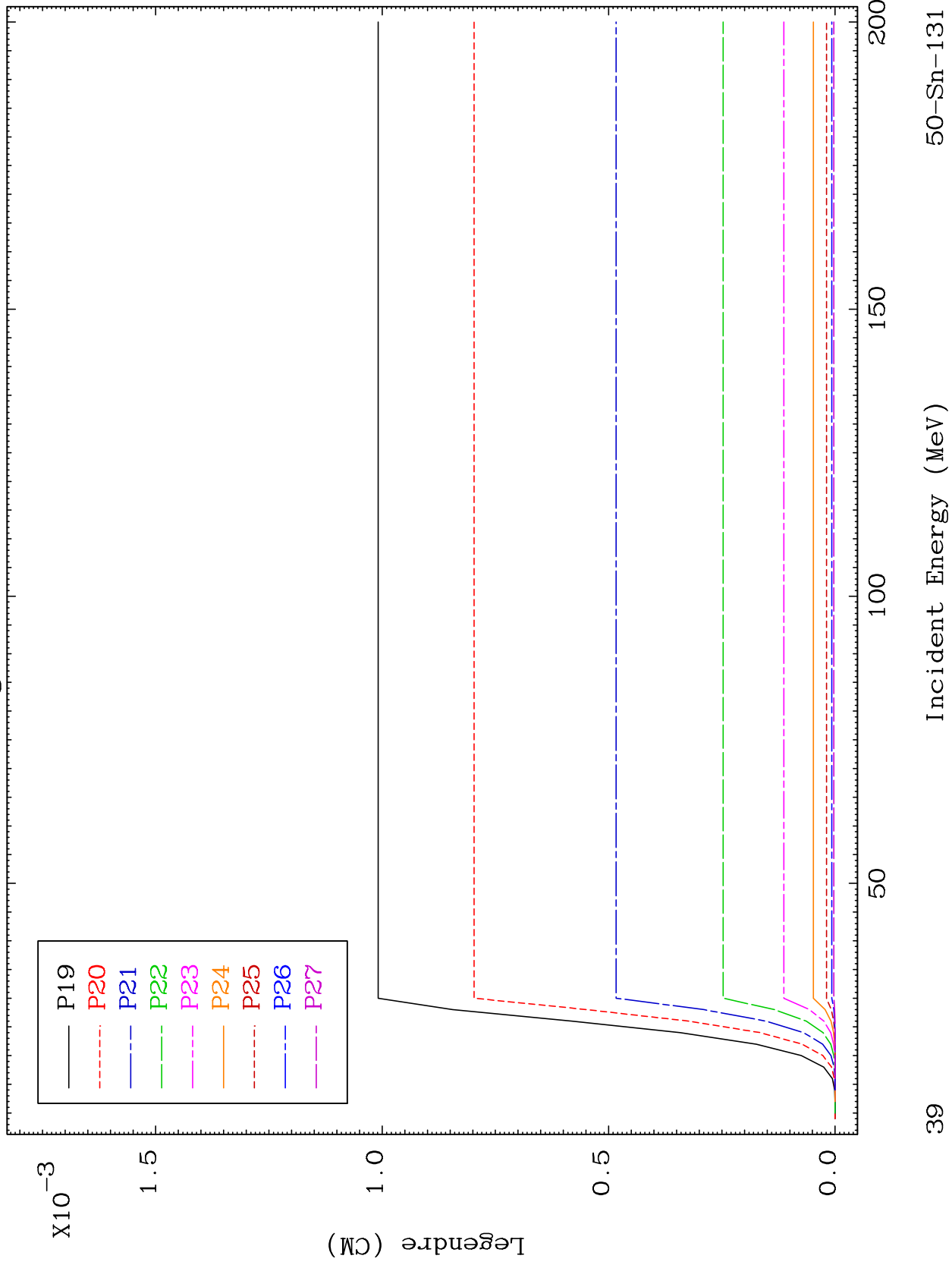
38

50-Sn-131

MAT 5082

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

50-Sn-131

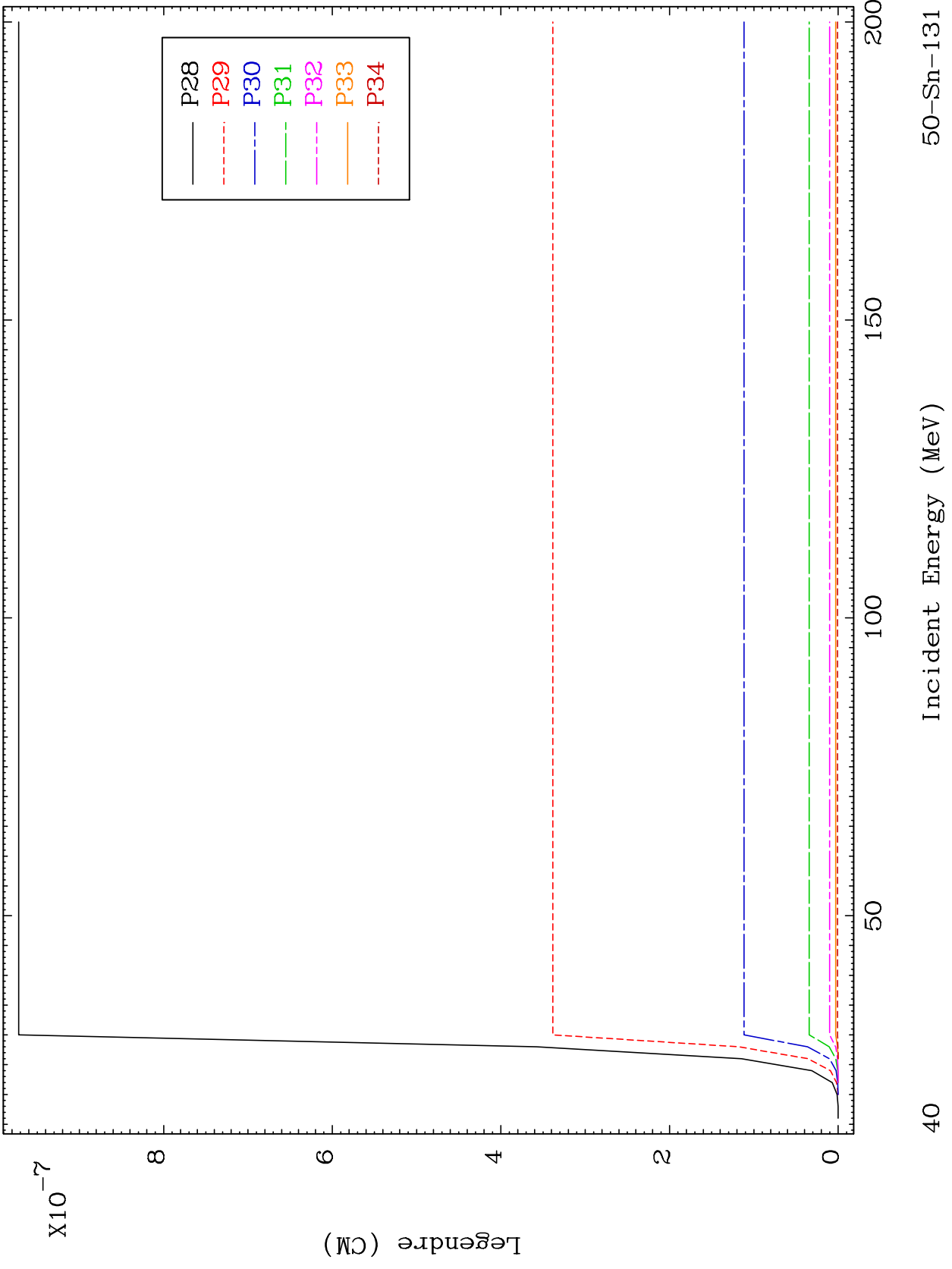




MAT 5082

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

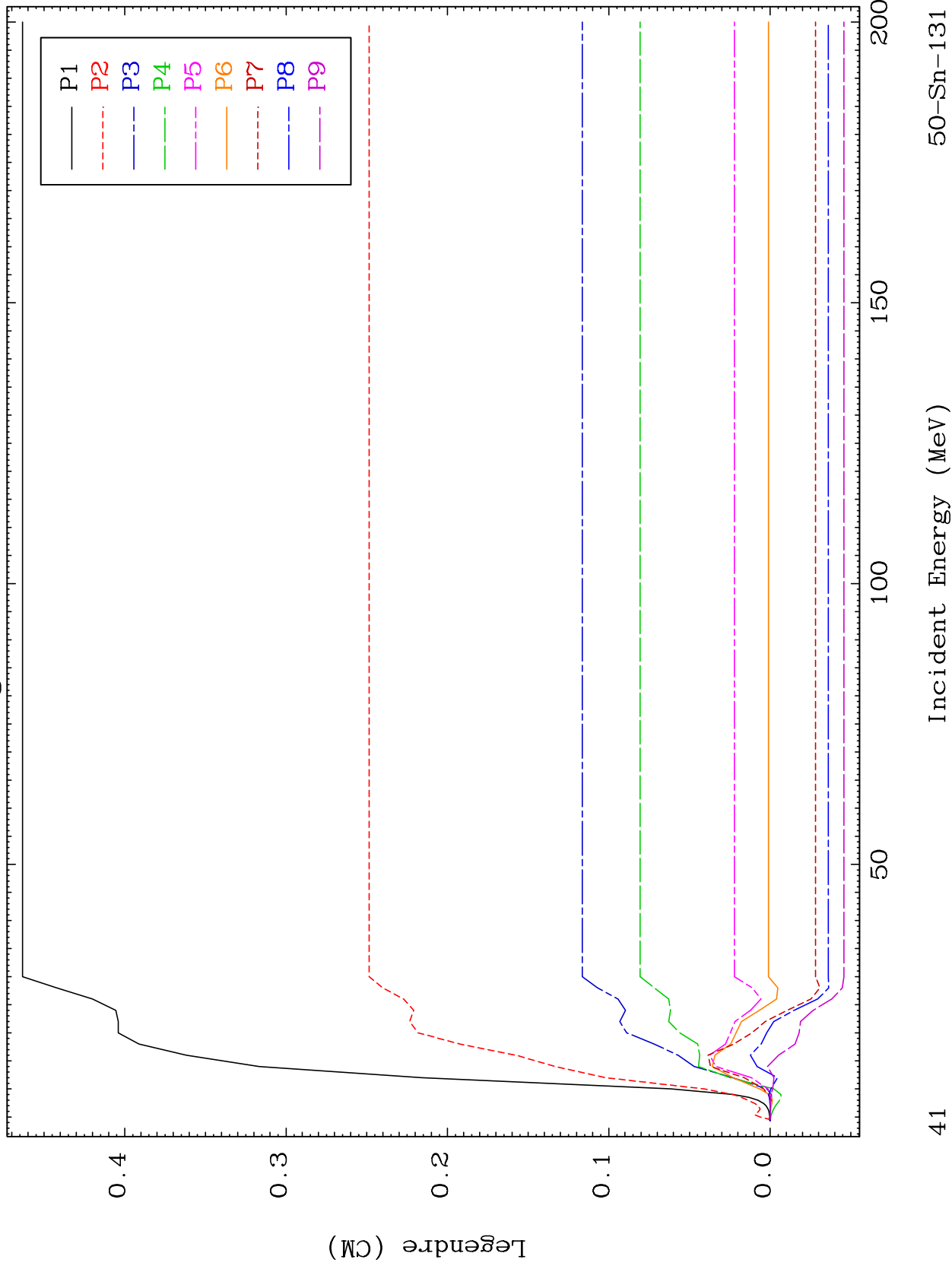
50-Sn-131



MAT 5082

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

50-Sn-131



41

Incident Energy (MeV)

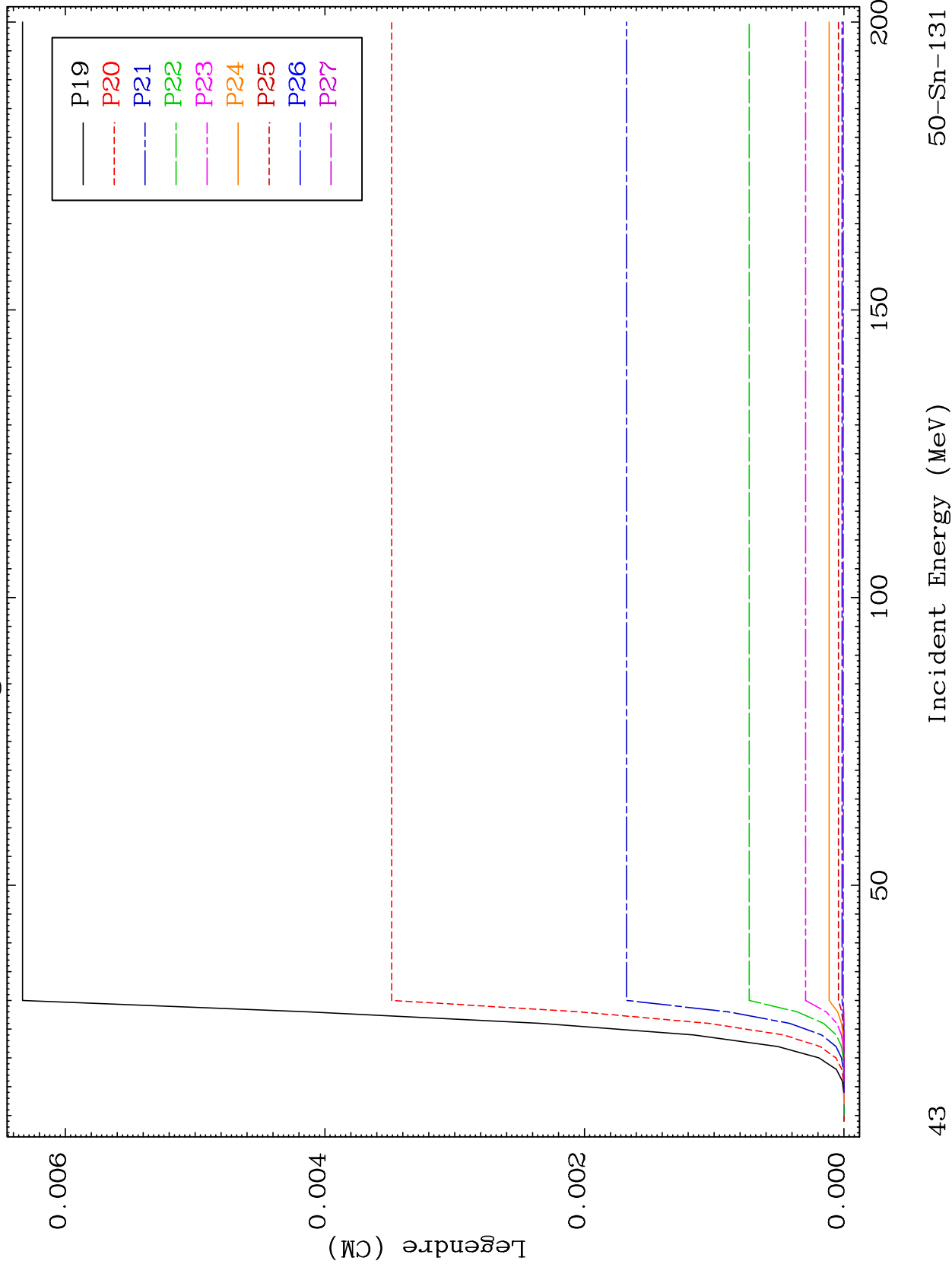
50-Sn-131



MAT 5082

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

50-Sn-131



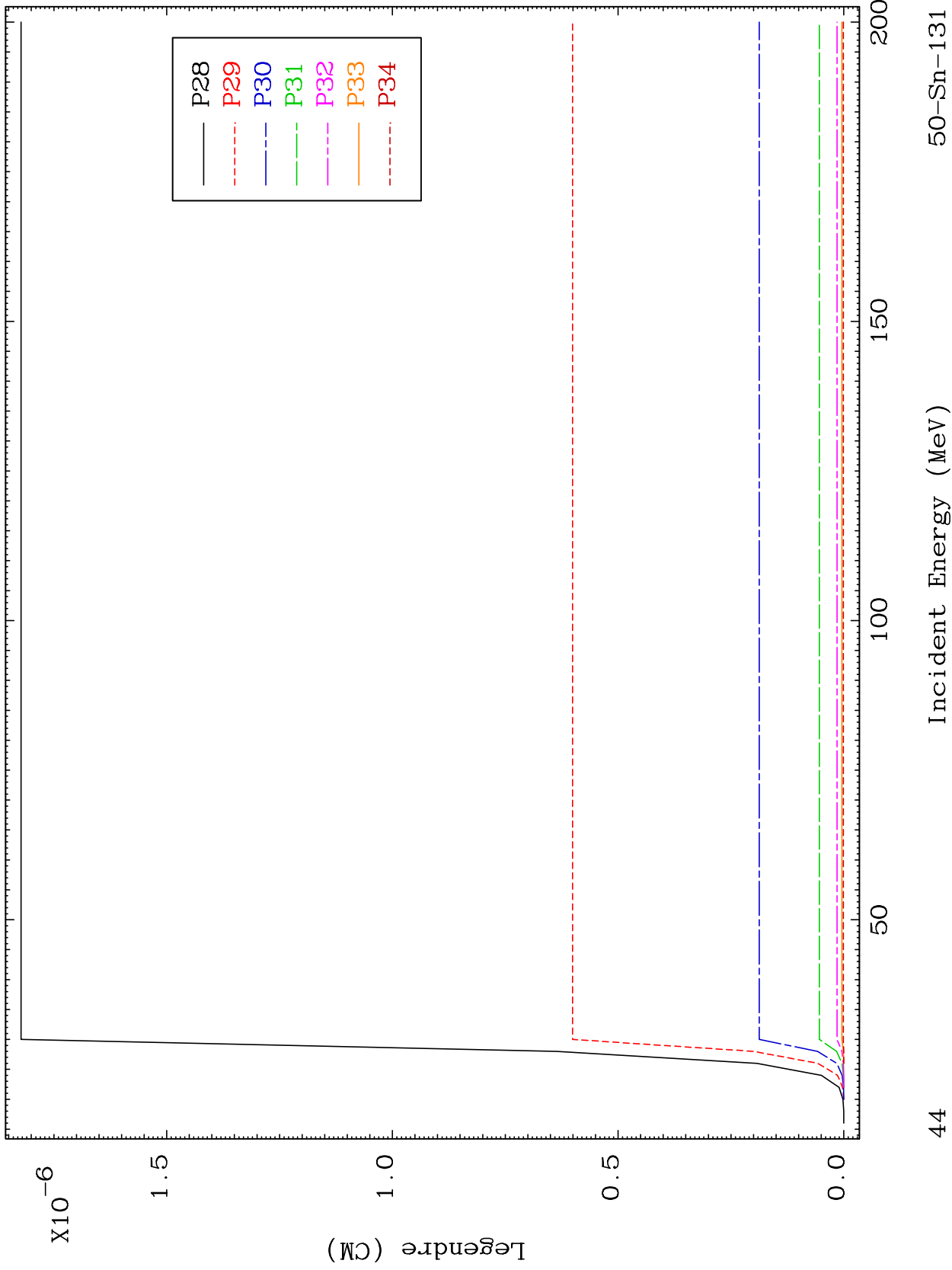
43

50-Sn-131

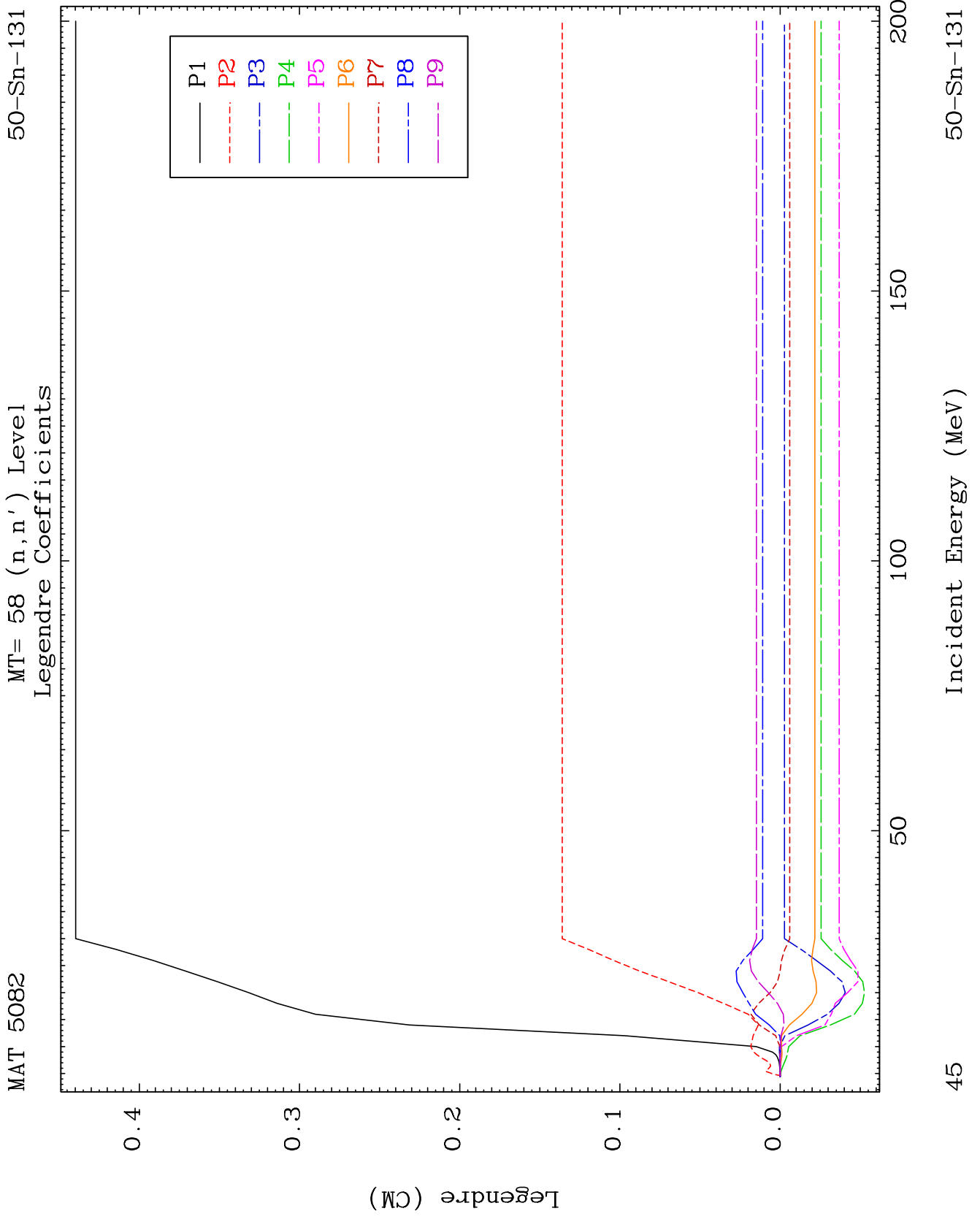
MAT 5082

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

50-Sn-131



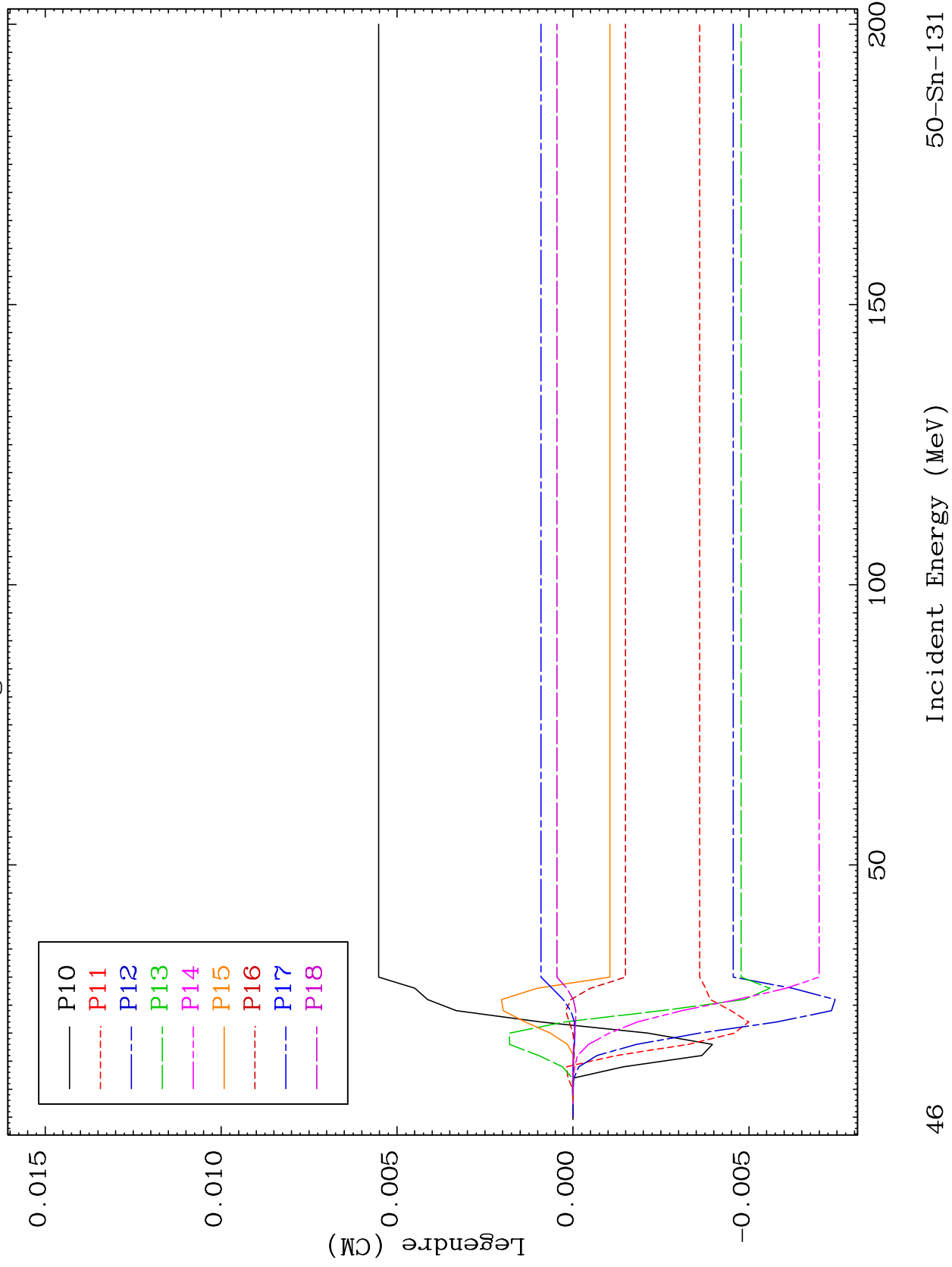
44



MAT 5082

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

50-Sn-131

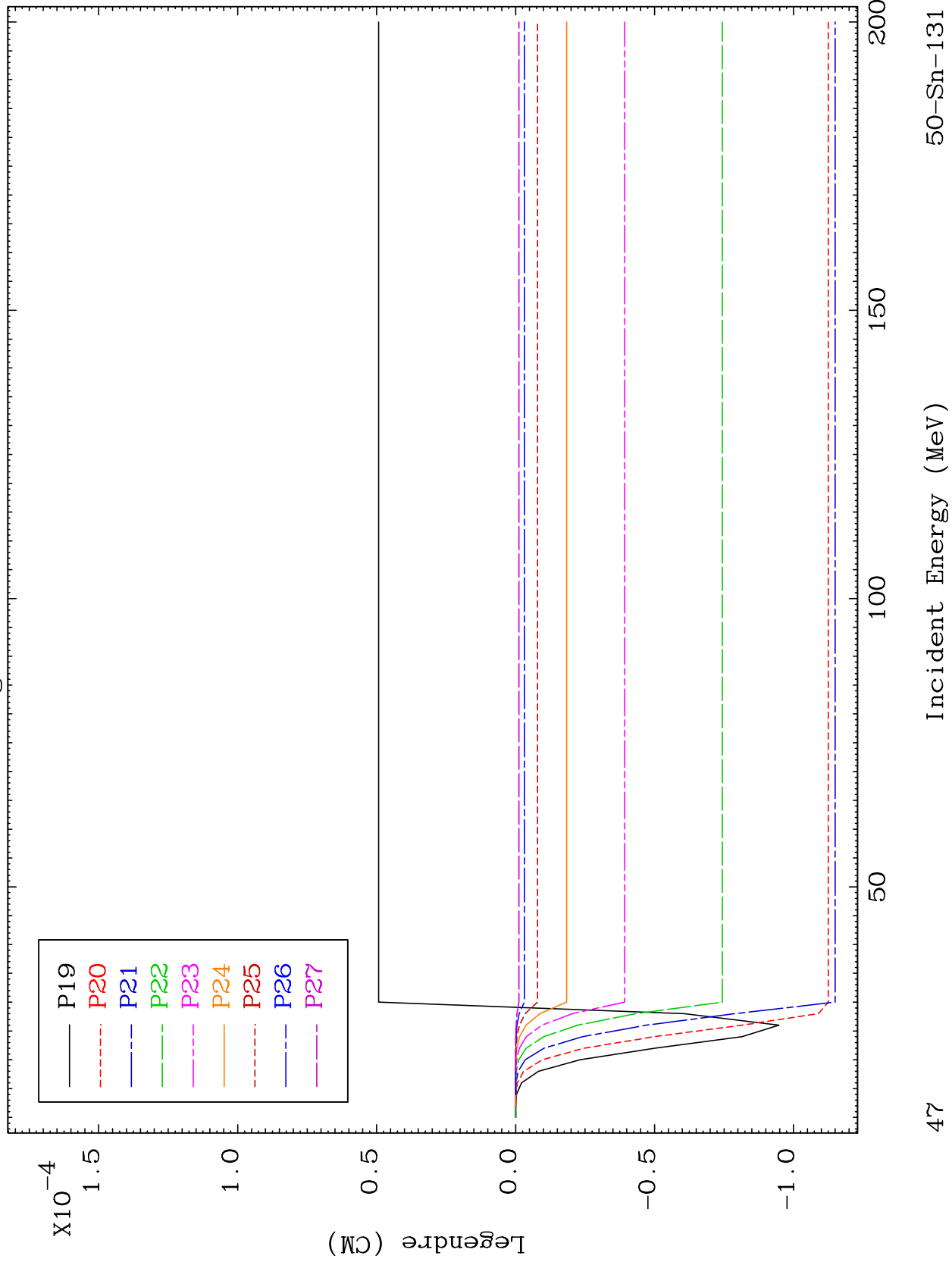


46

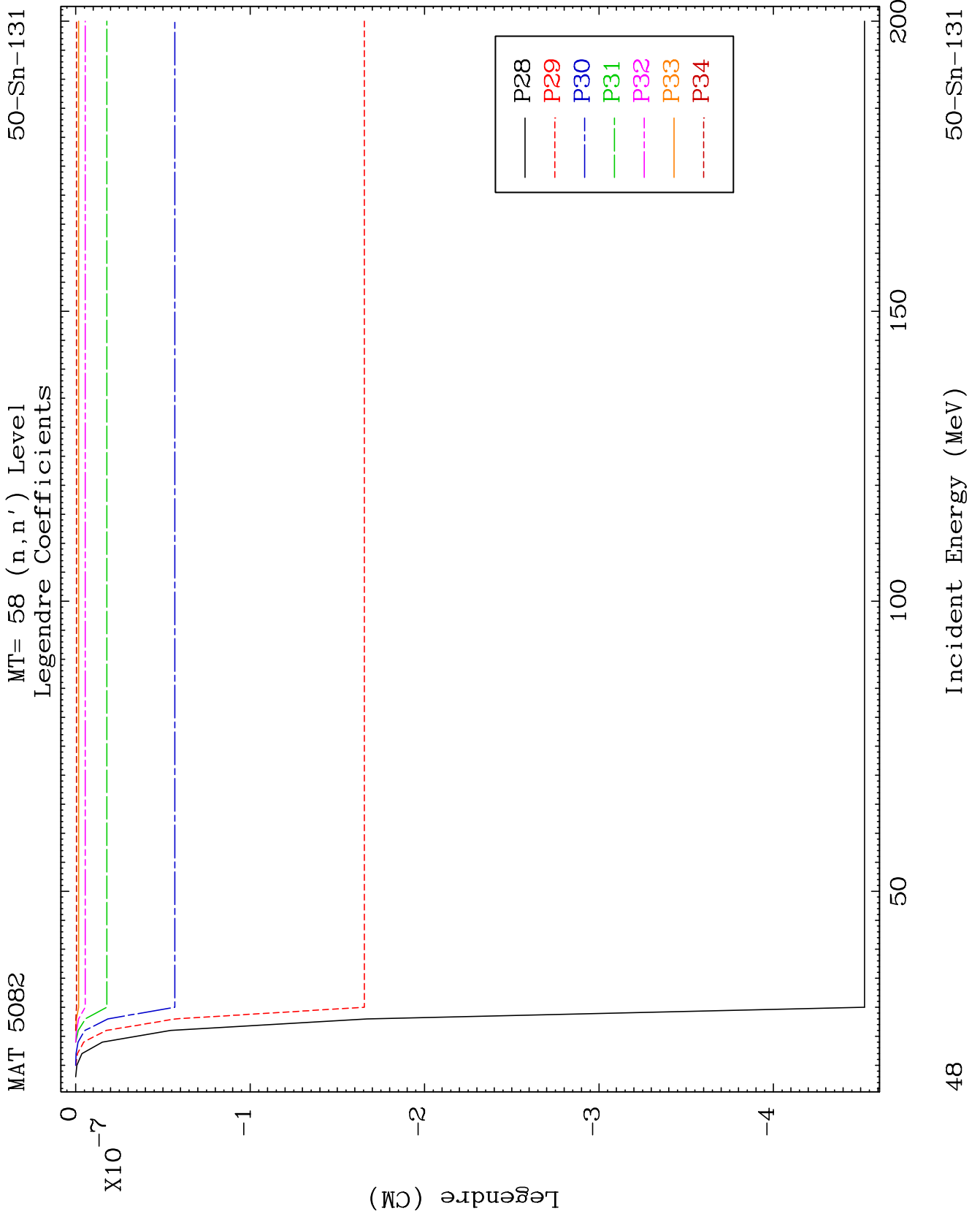
MAT 5082

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

50-Sn-131



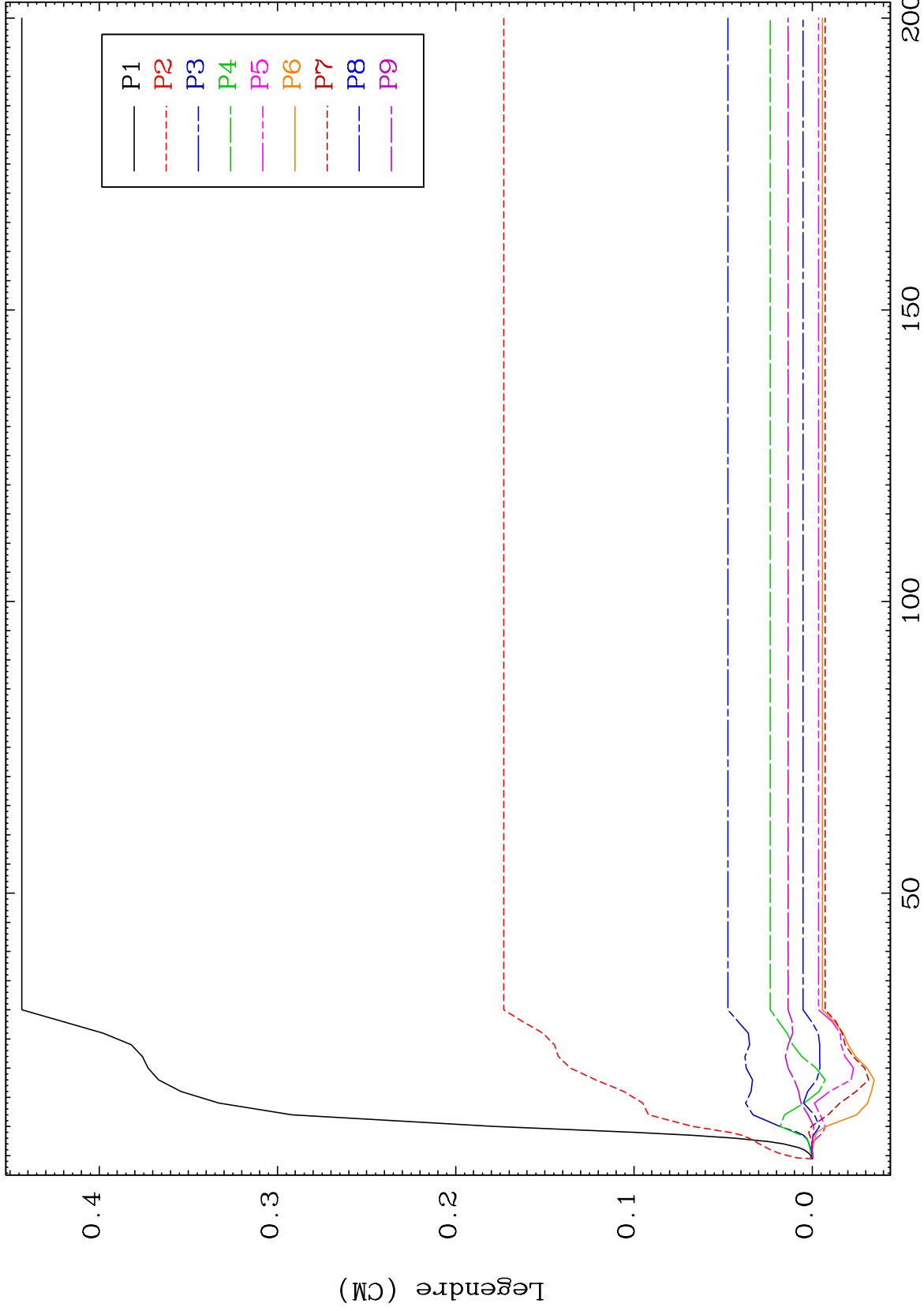




MAT 5082

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

50-Sn-131

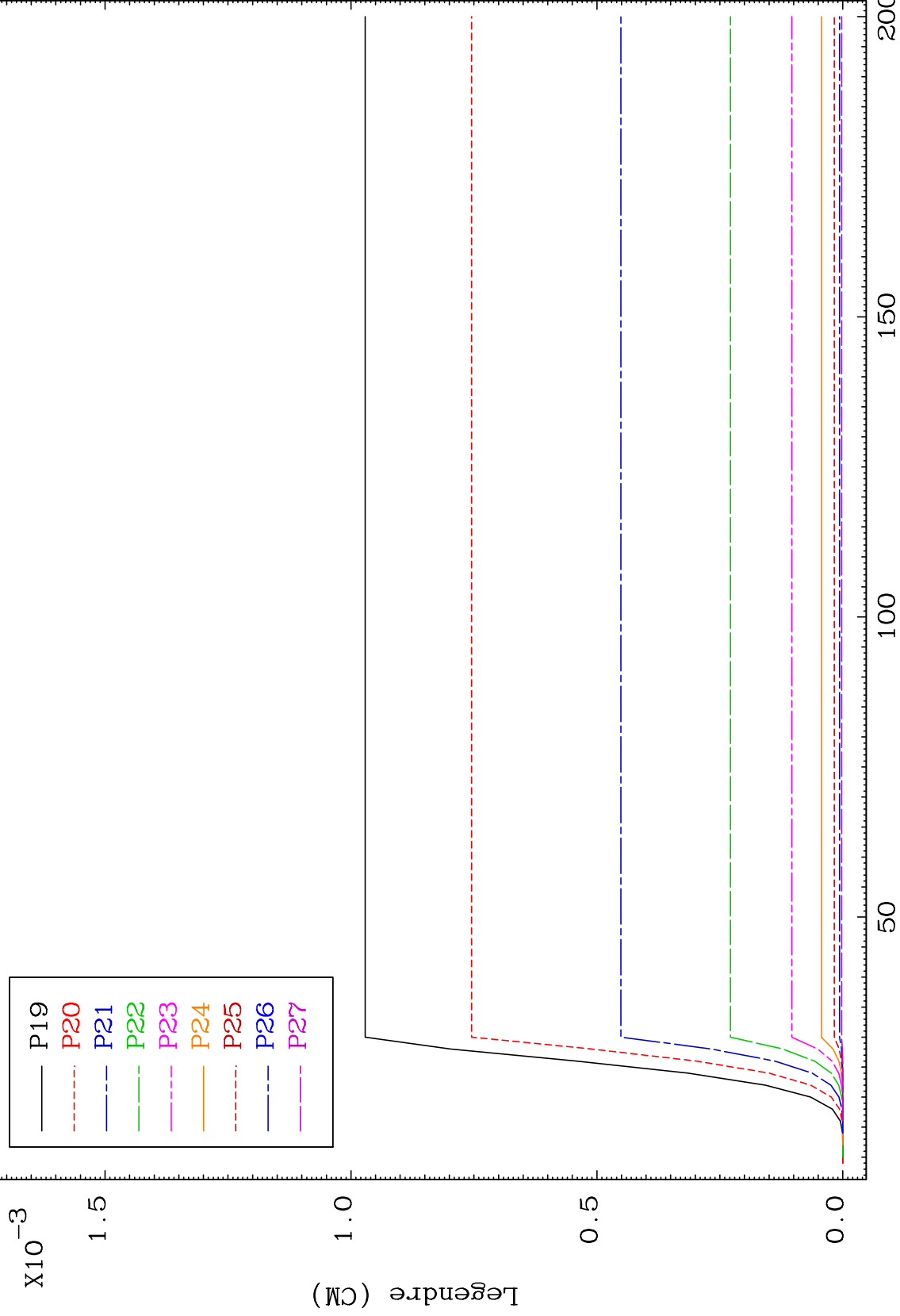


49

Incident Energy (MeV)

50-Sn-131

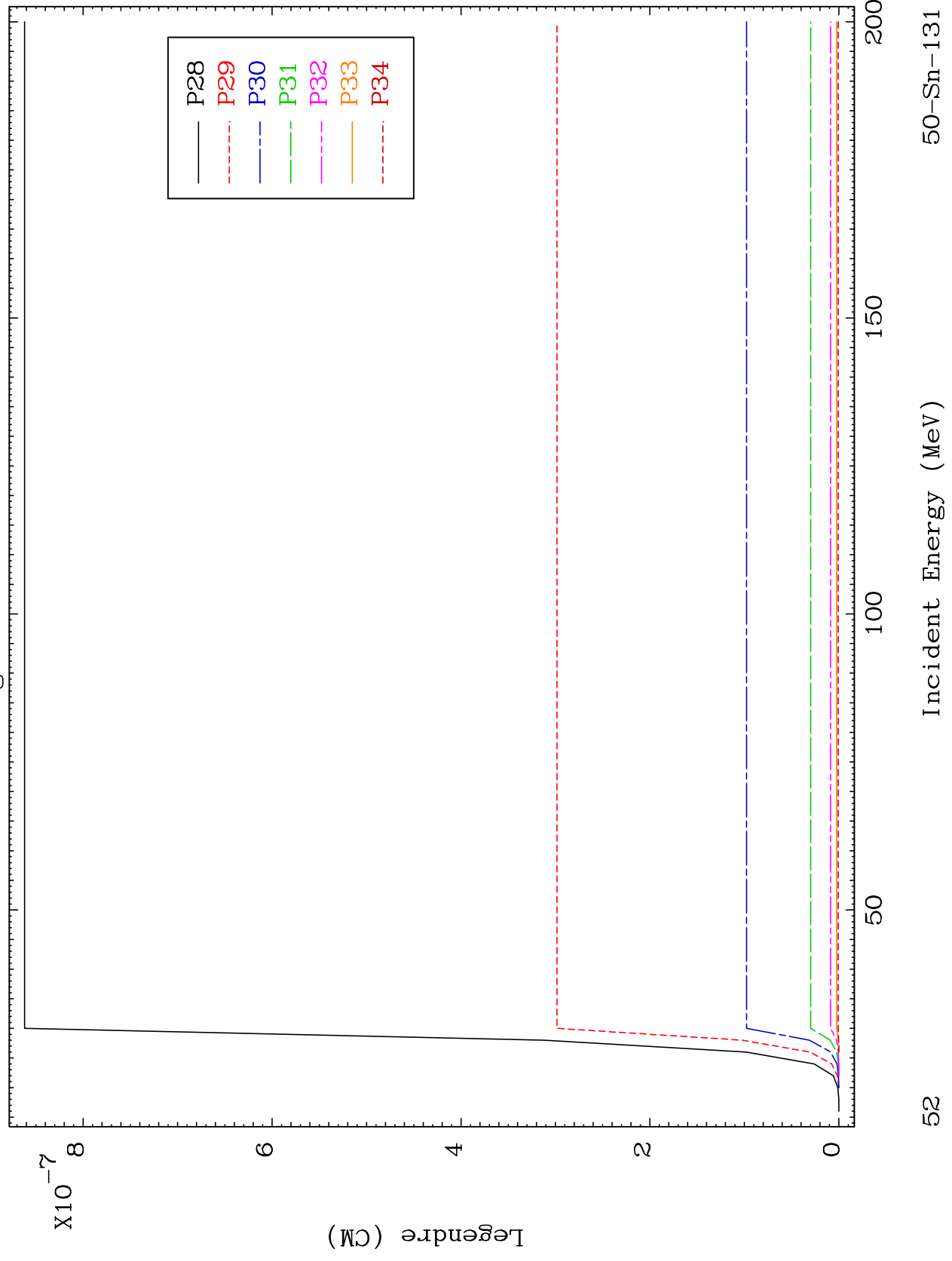




MAT 5082

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

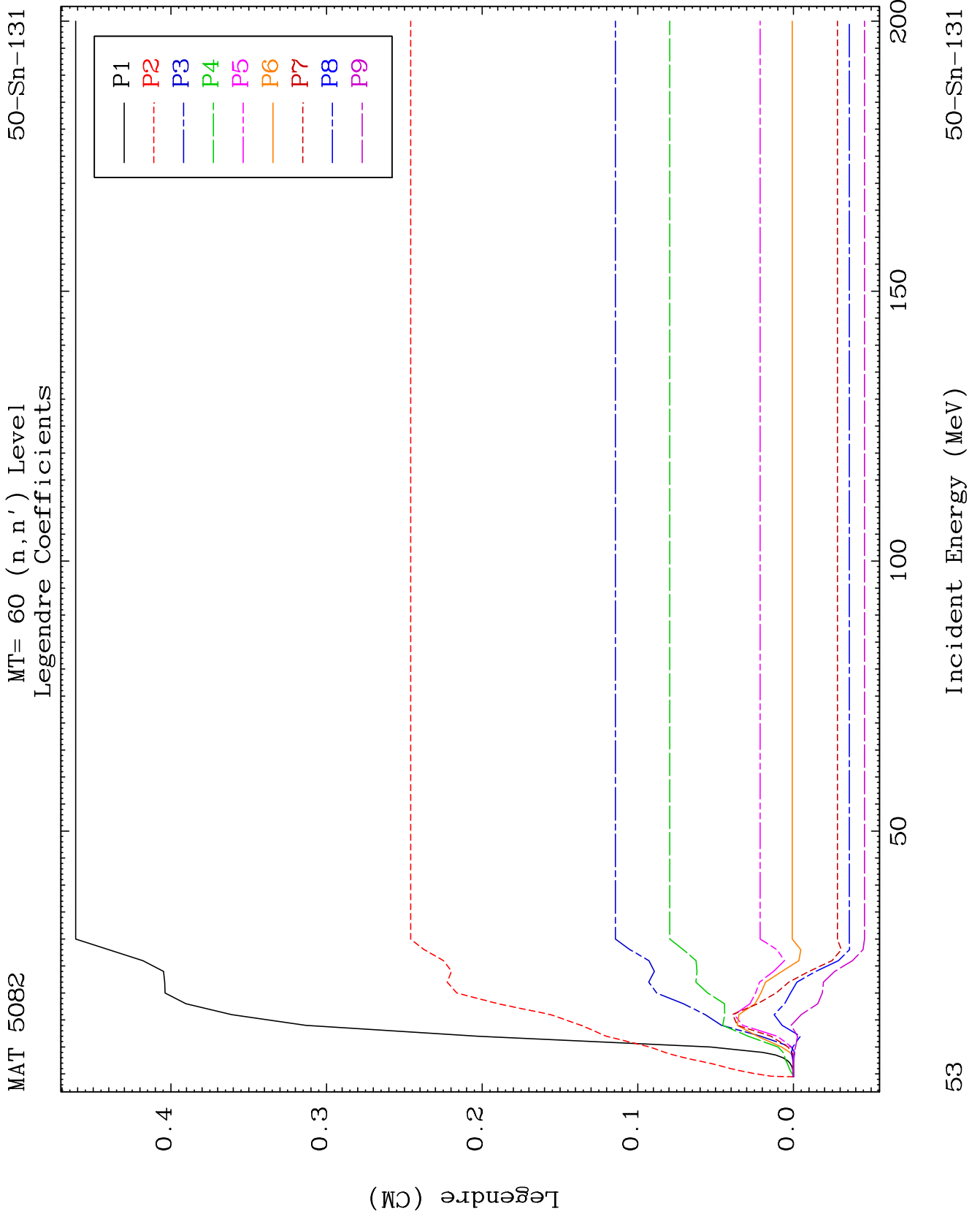
50-Sn-131



52

Incident Energy (MeV)

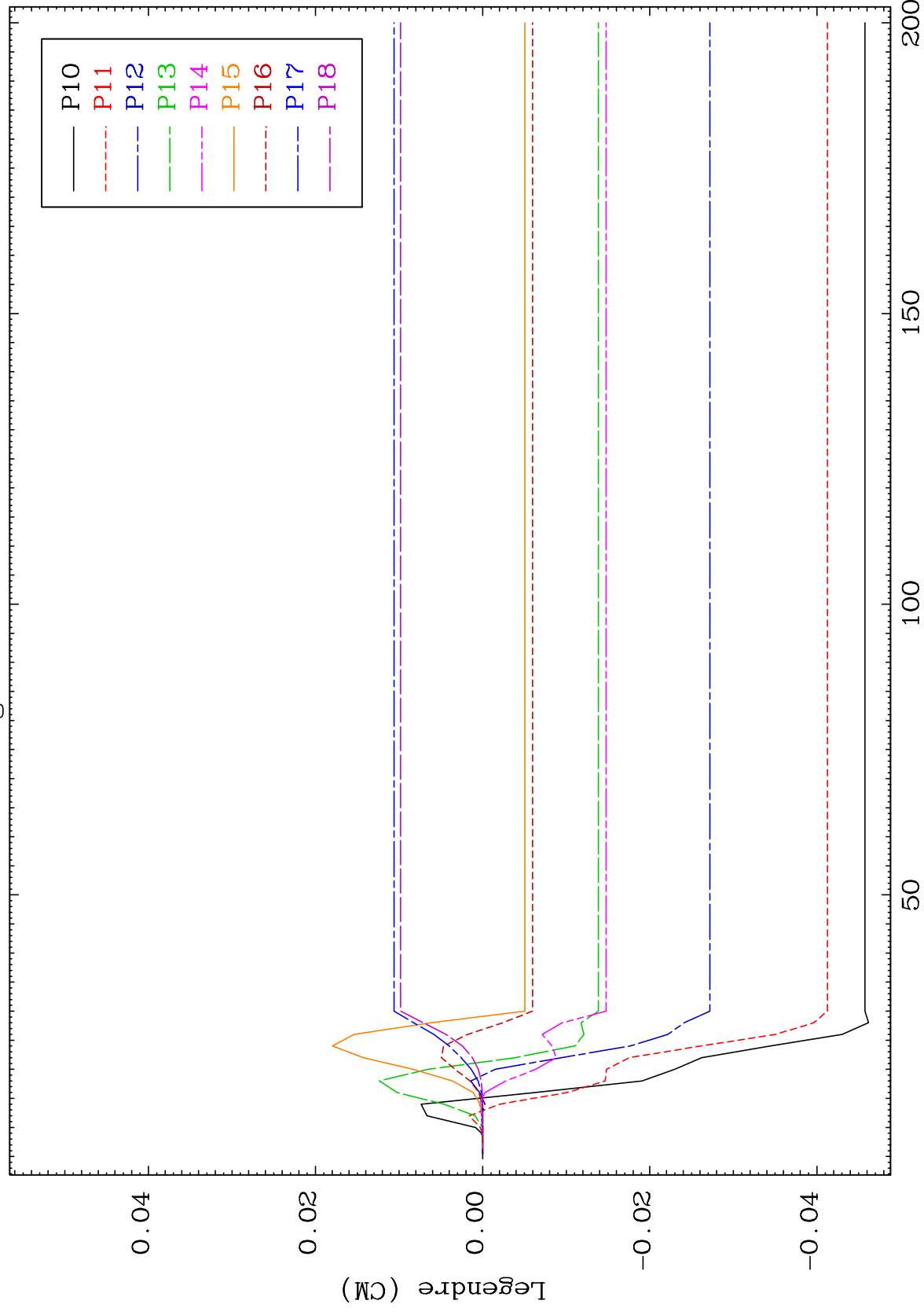
50-Sn-131



MAT 5082

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

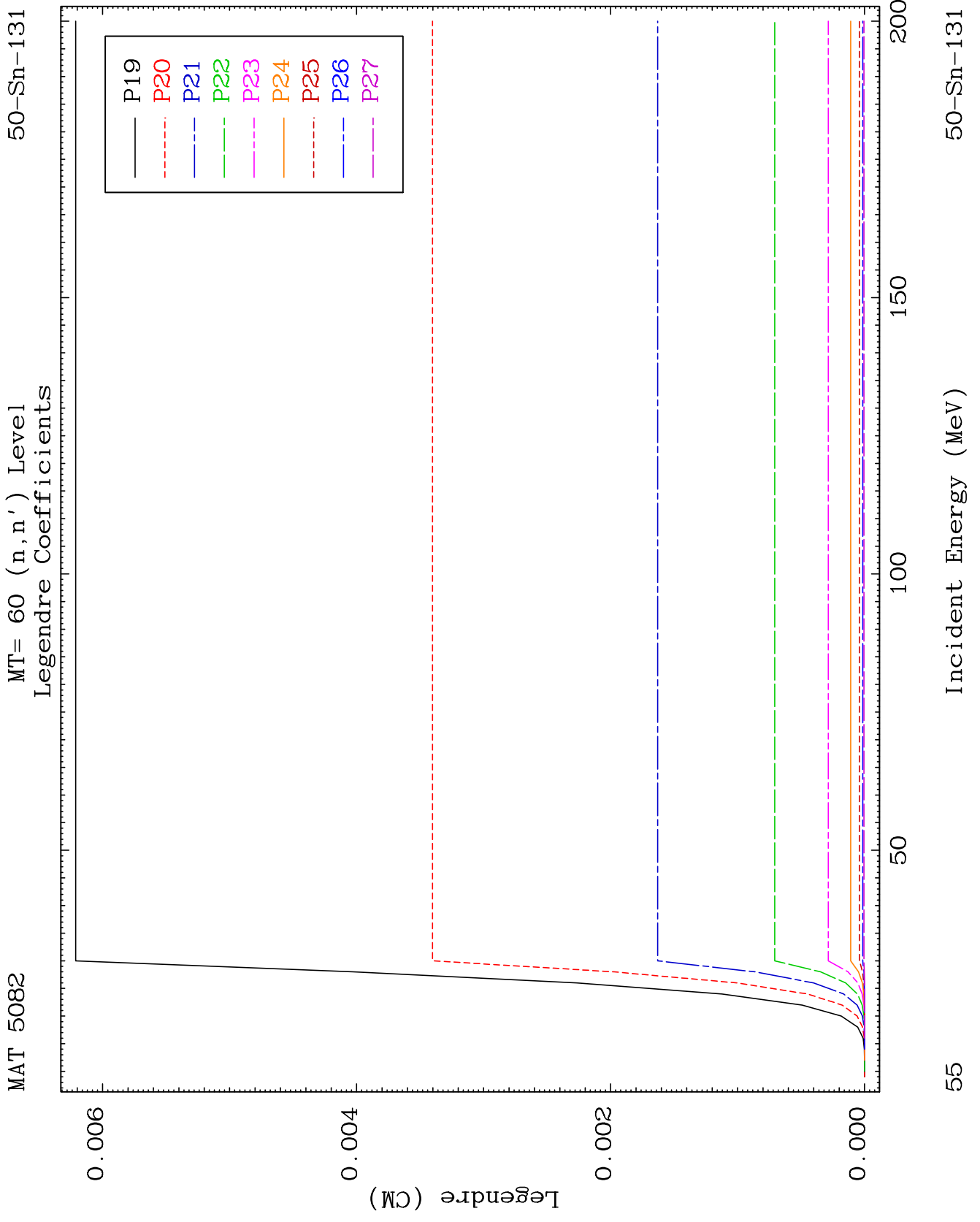
50-Sn-131



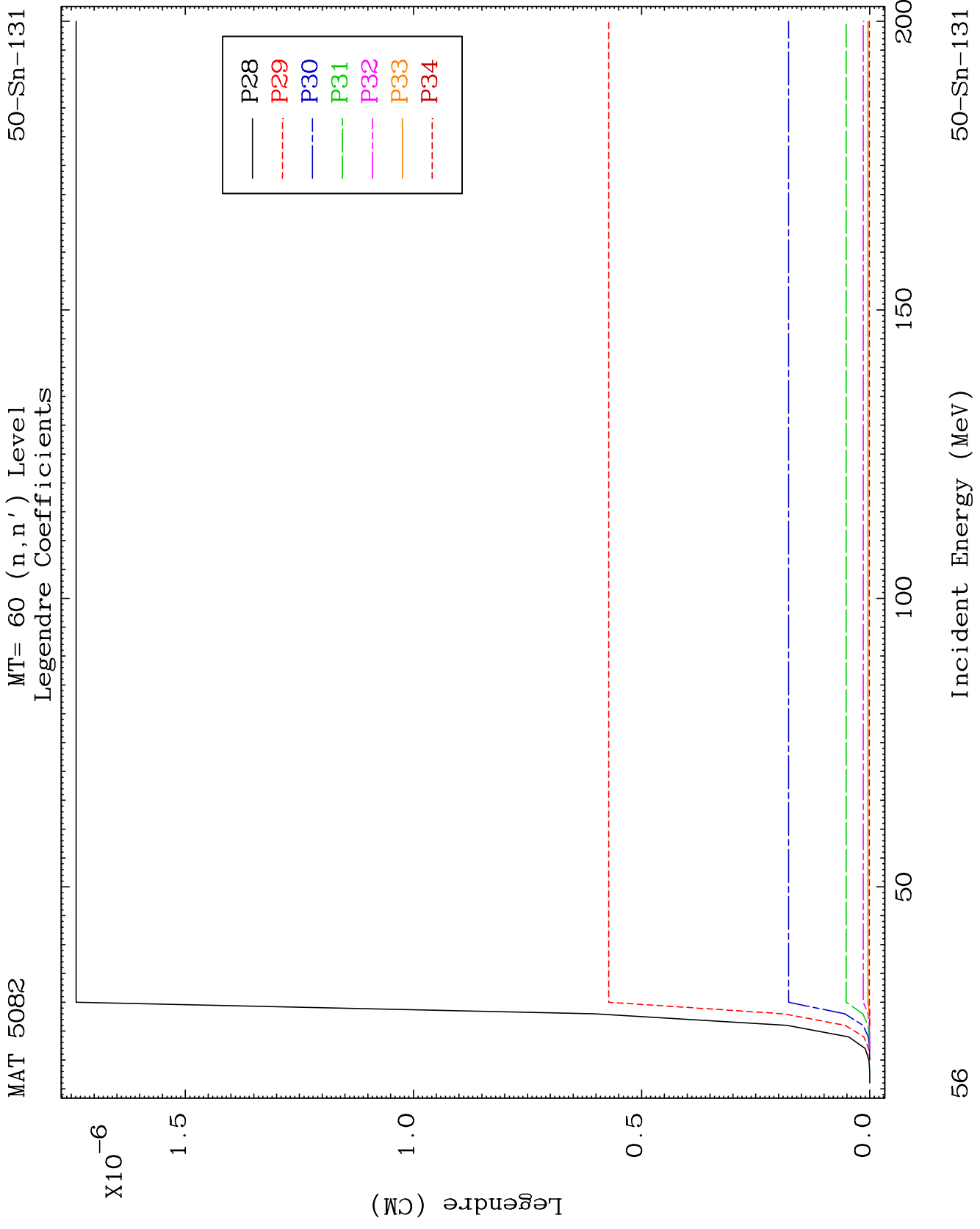
54

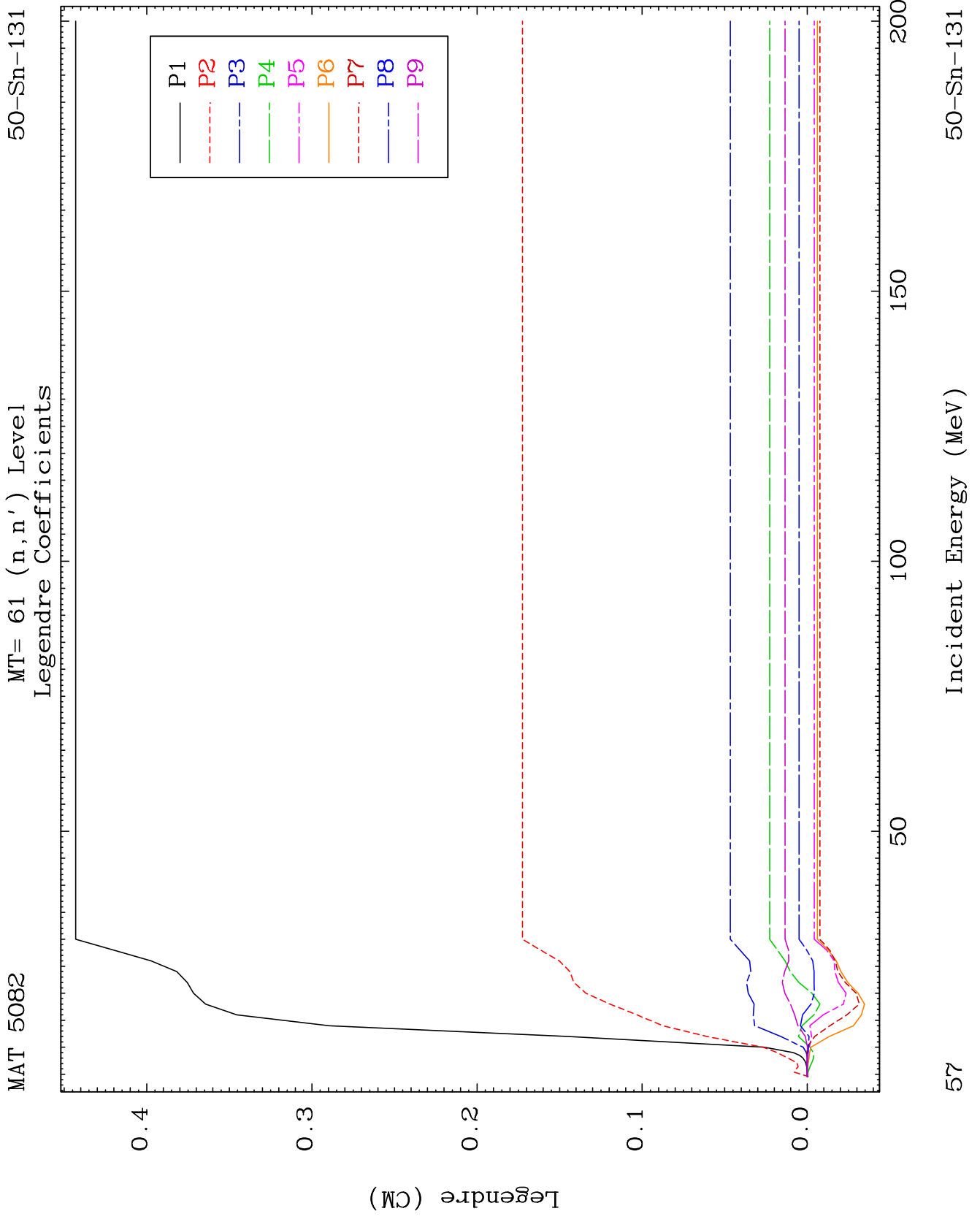
Incident Energy (MeV)

50-Sn-131





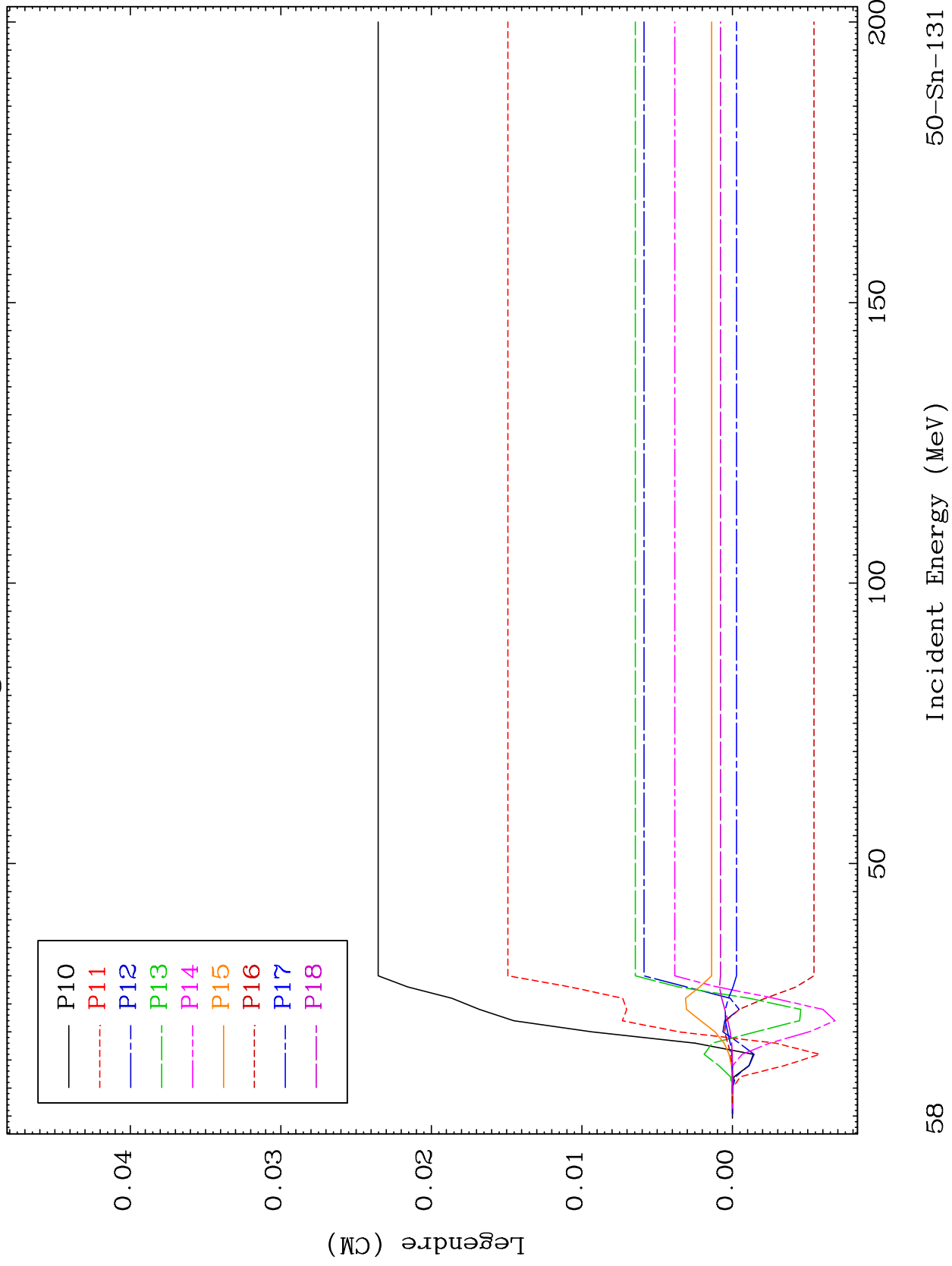




MAT 5082

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

50-Sn-131



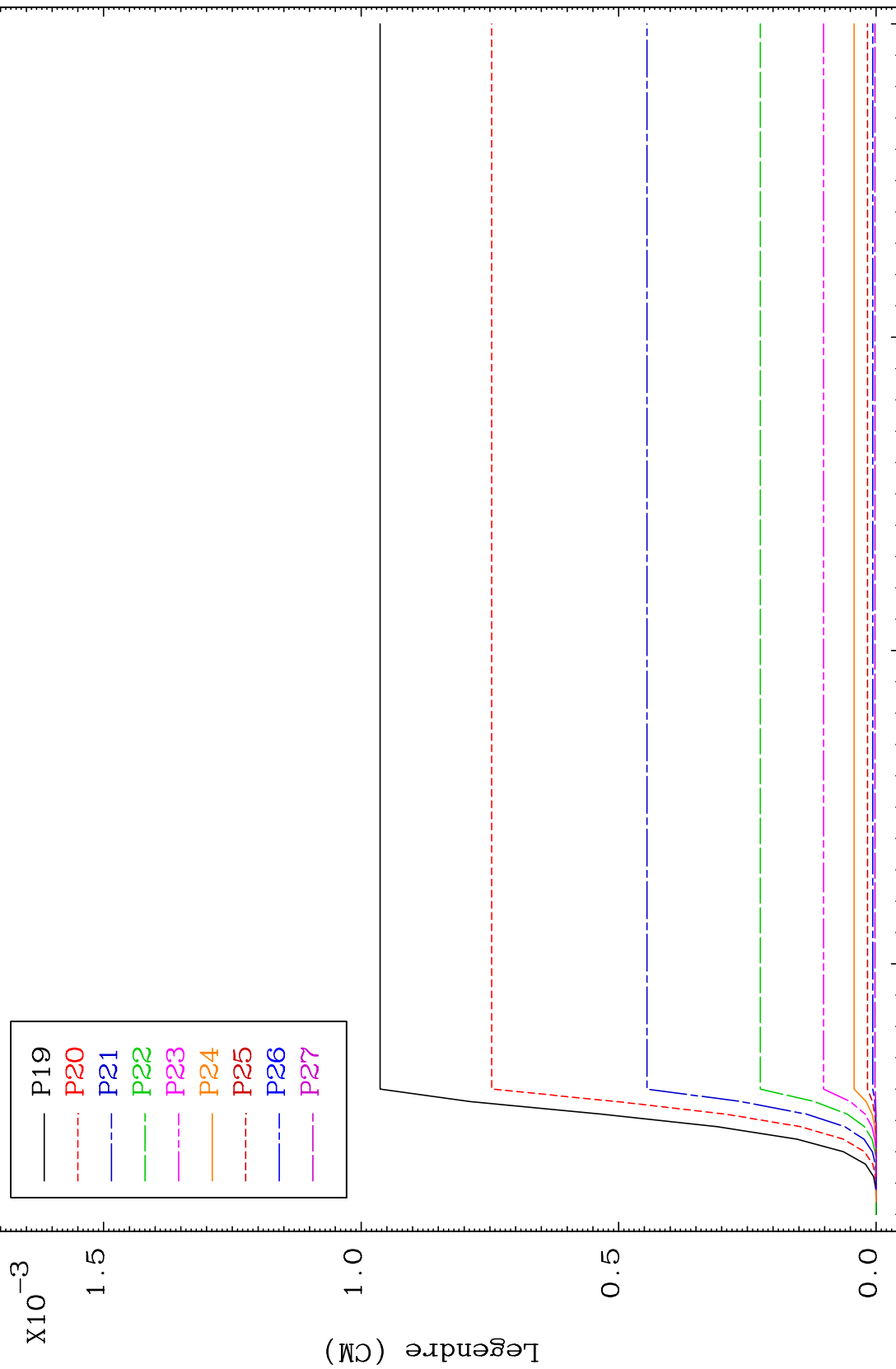
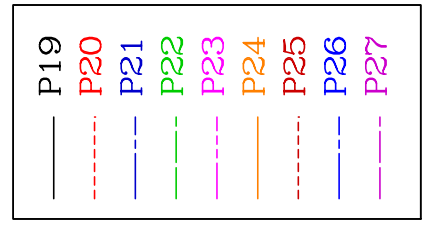
58

50-Sn-131

MAT 5082

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

50-Sn-131

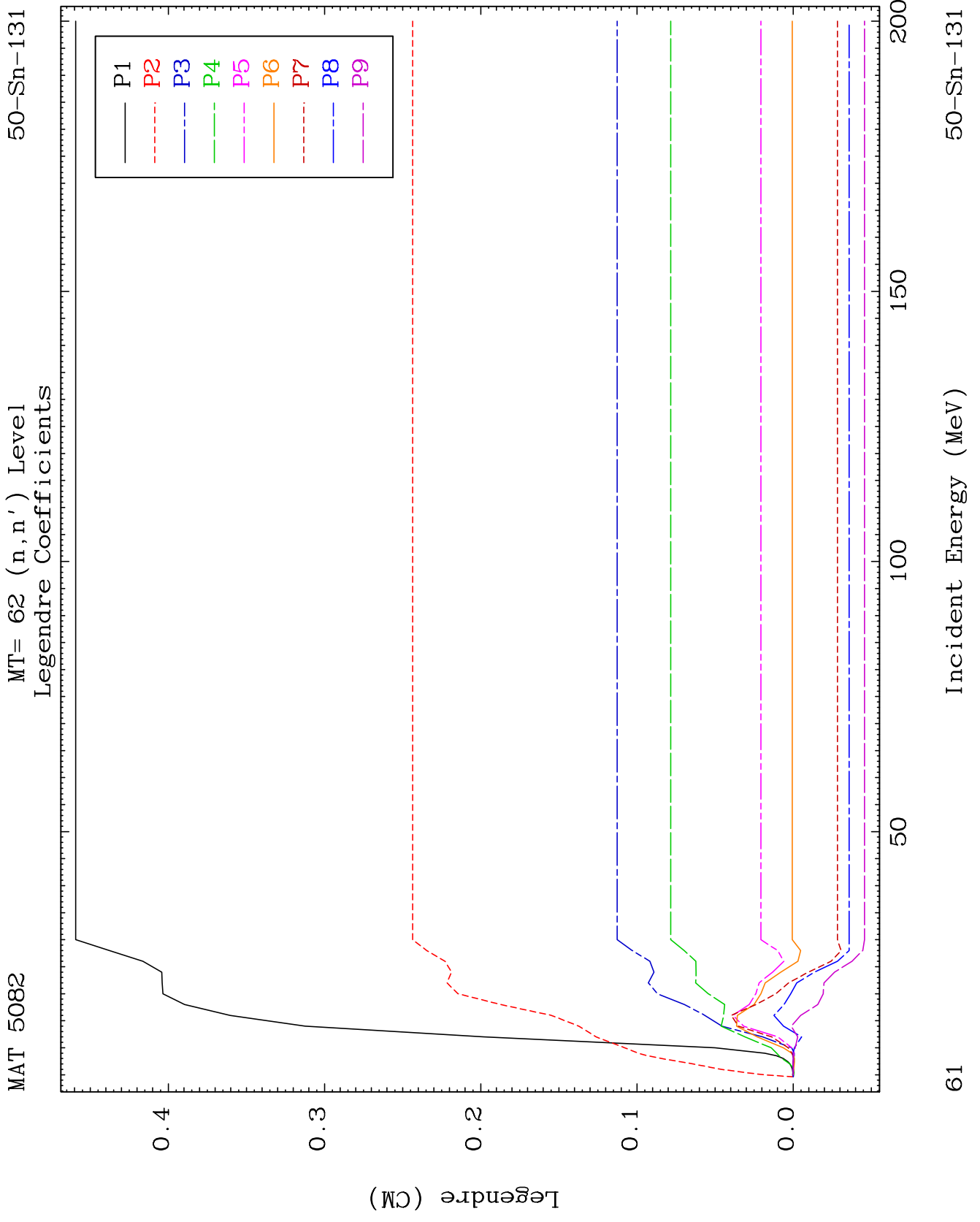


59

Incident Energy (MeV)

50-Sn-131

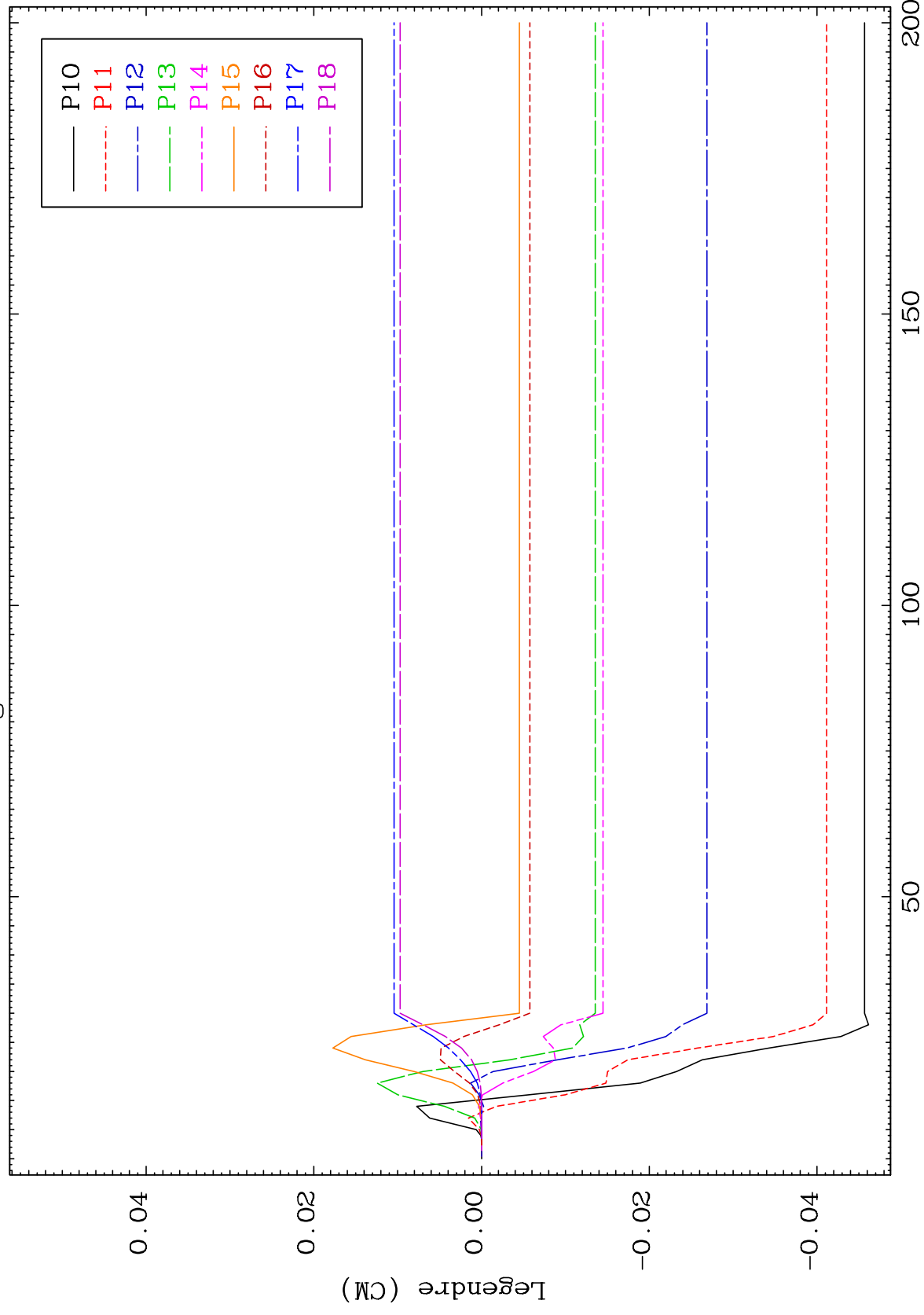




MAT 5082

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

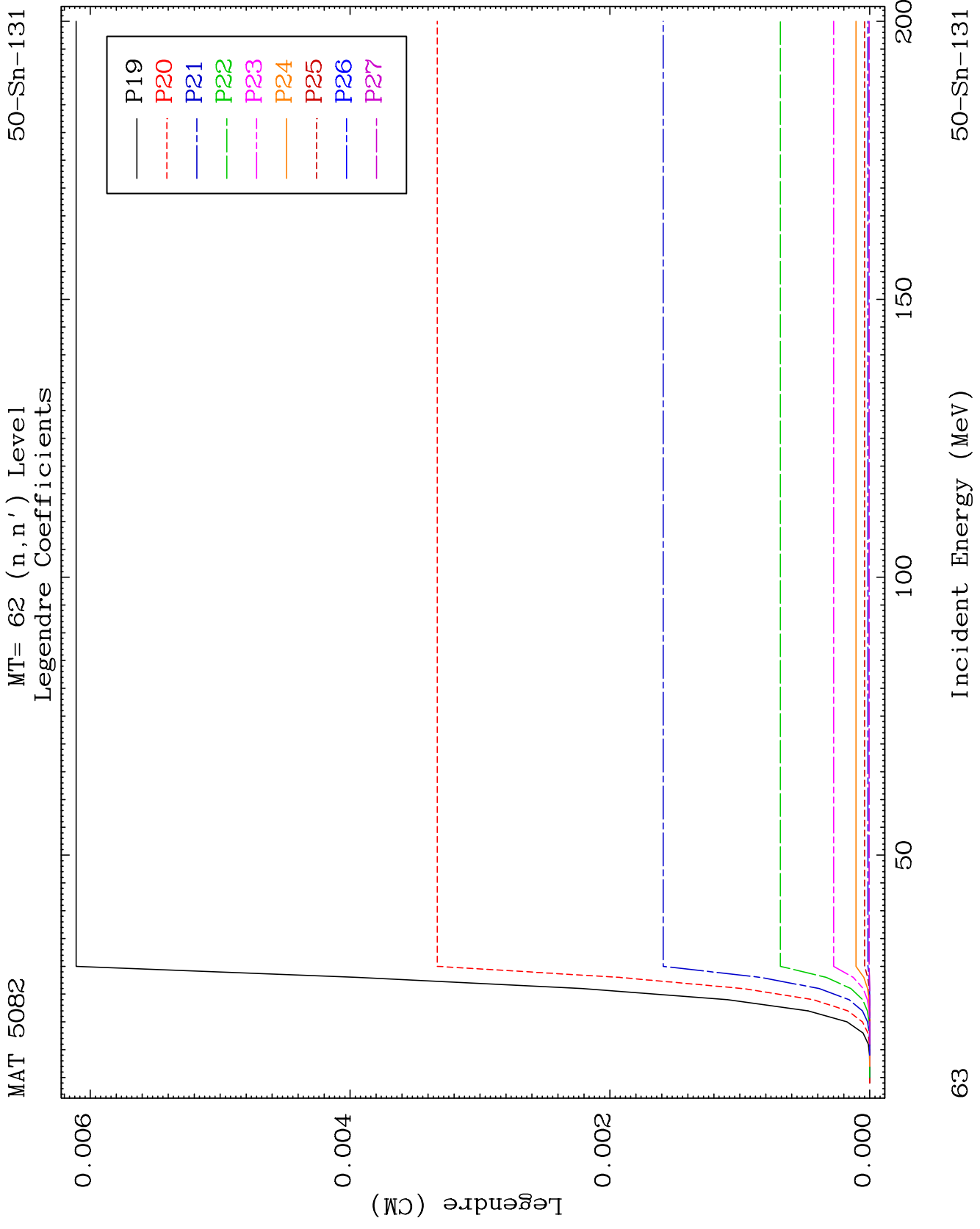
50-Sn-131



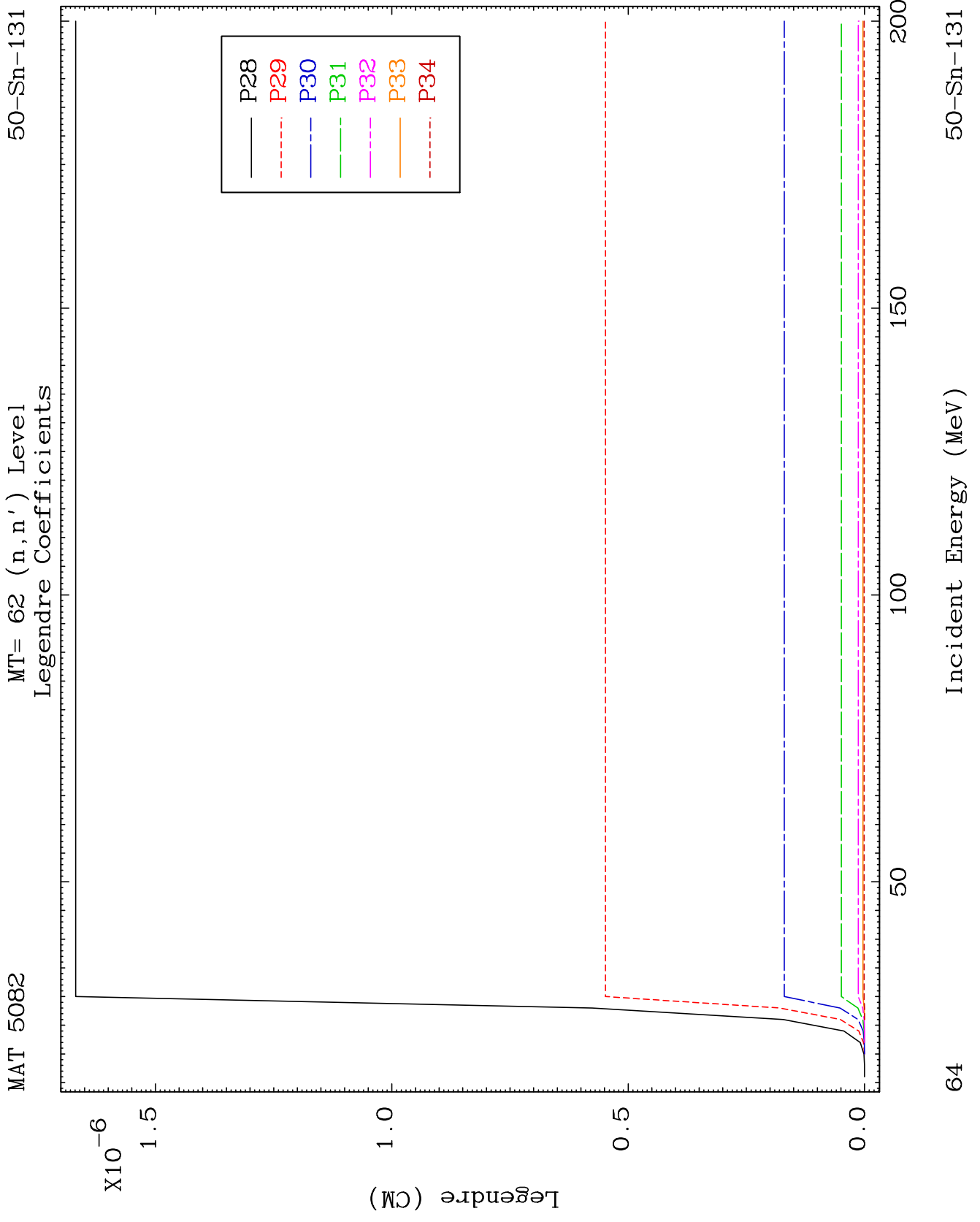
62

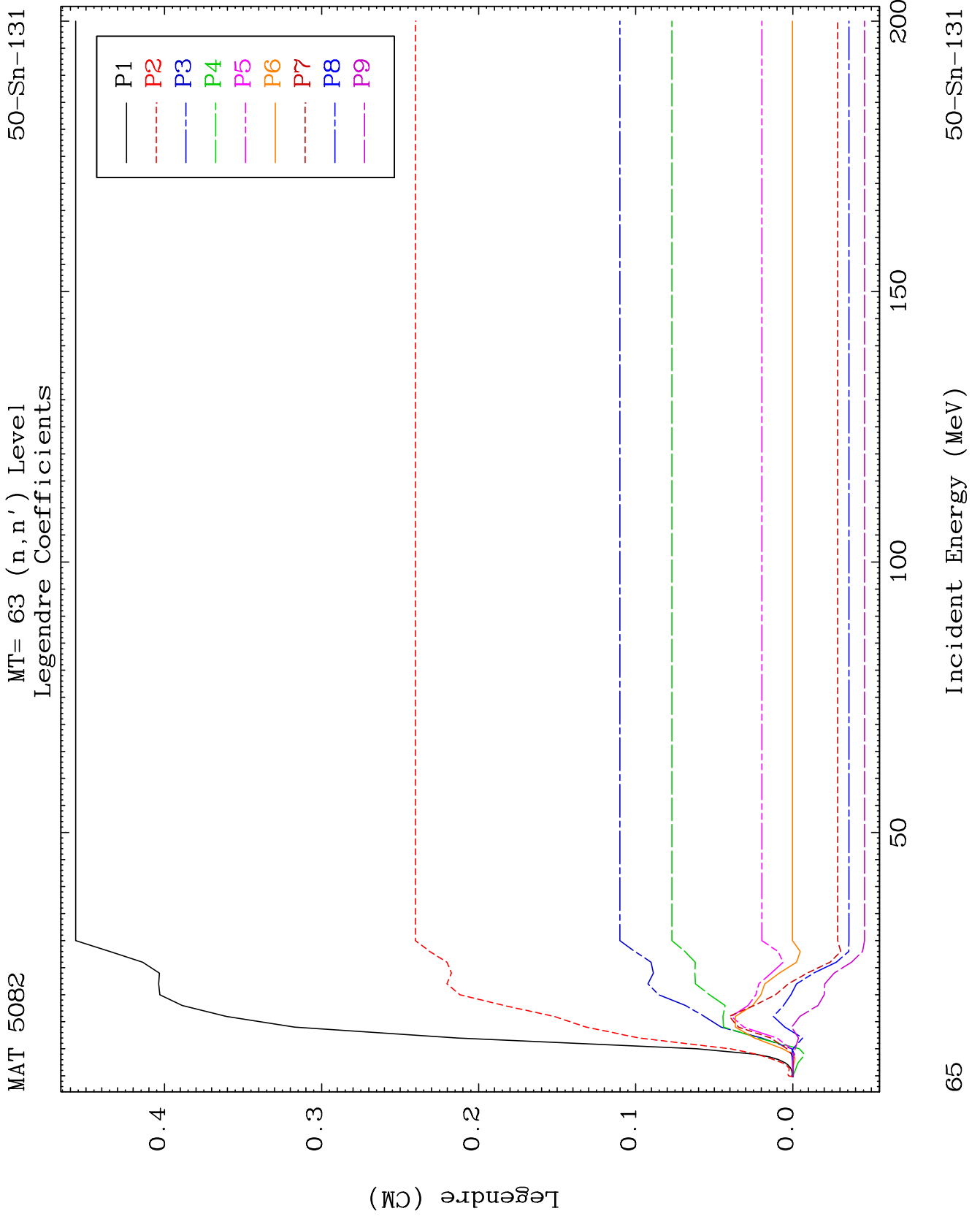
Incident Energy (MeV)

50-Sn-131





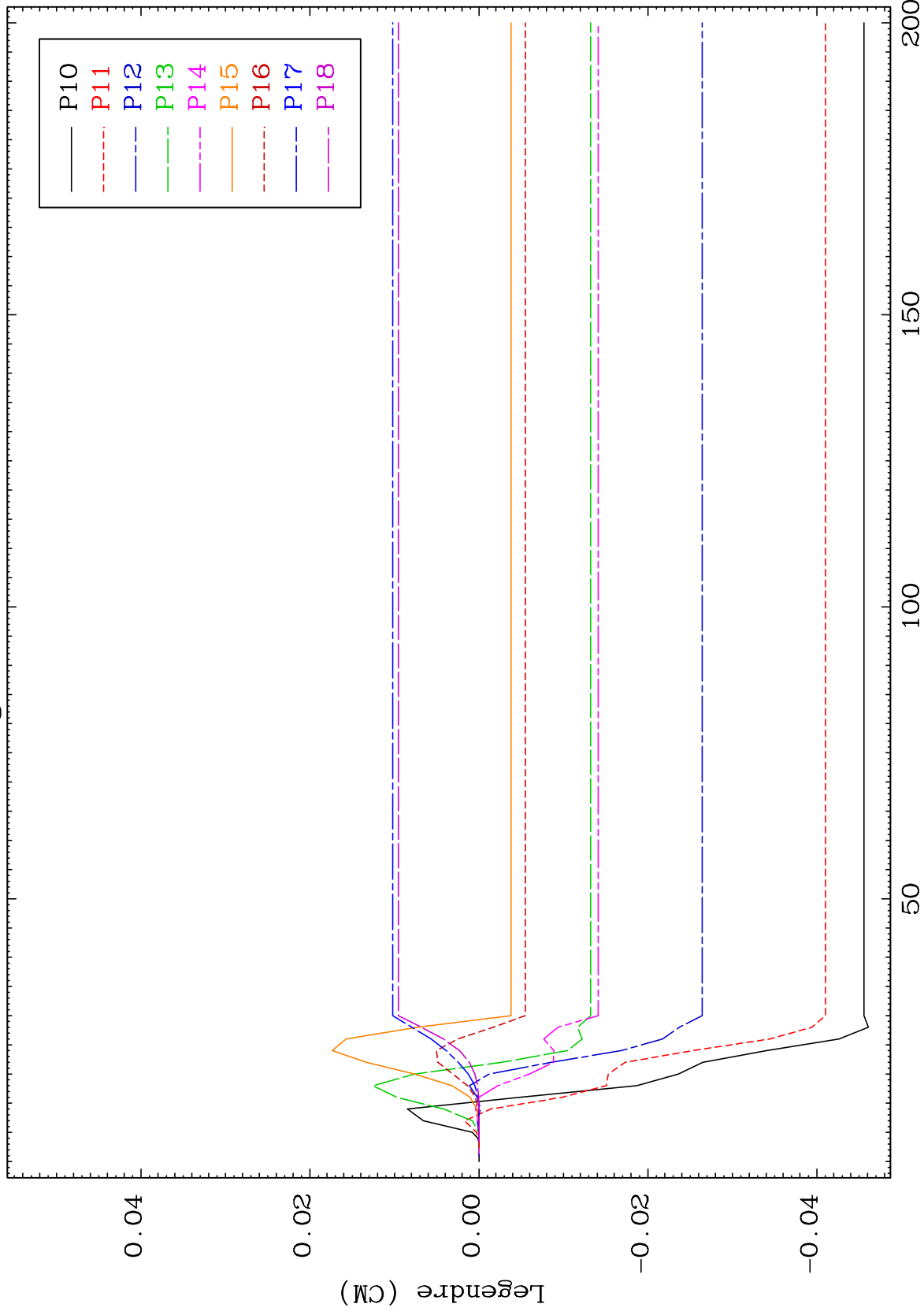




MAT 5082

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

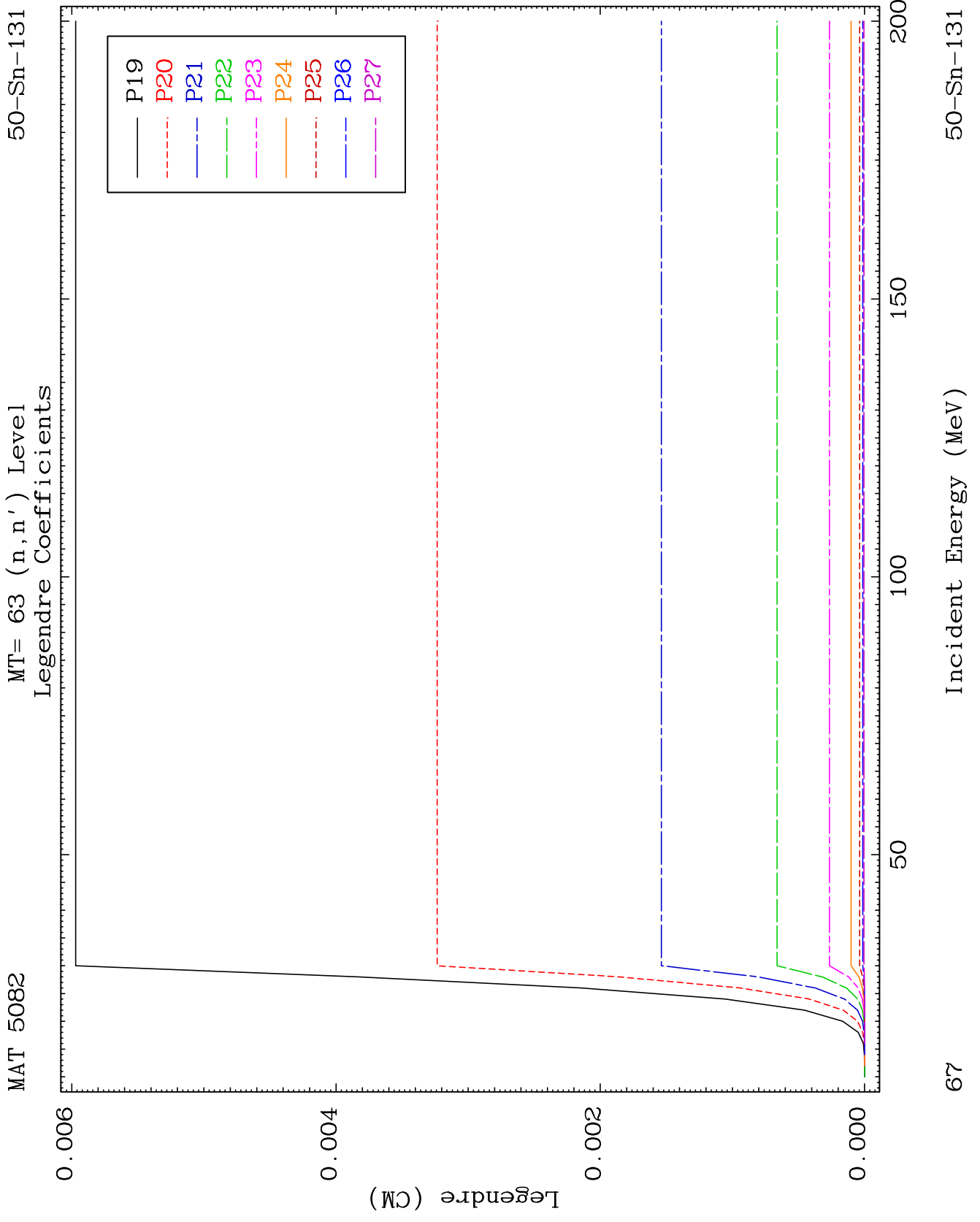
50-Sn-131



66

Incident Energy (MeV)

50-Sn-131

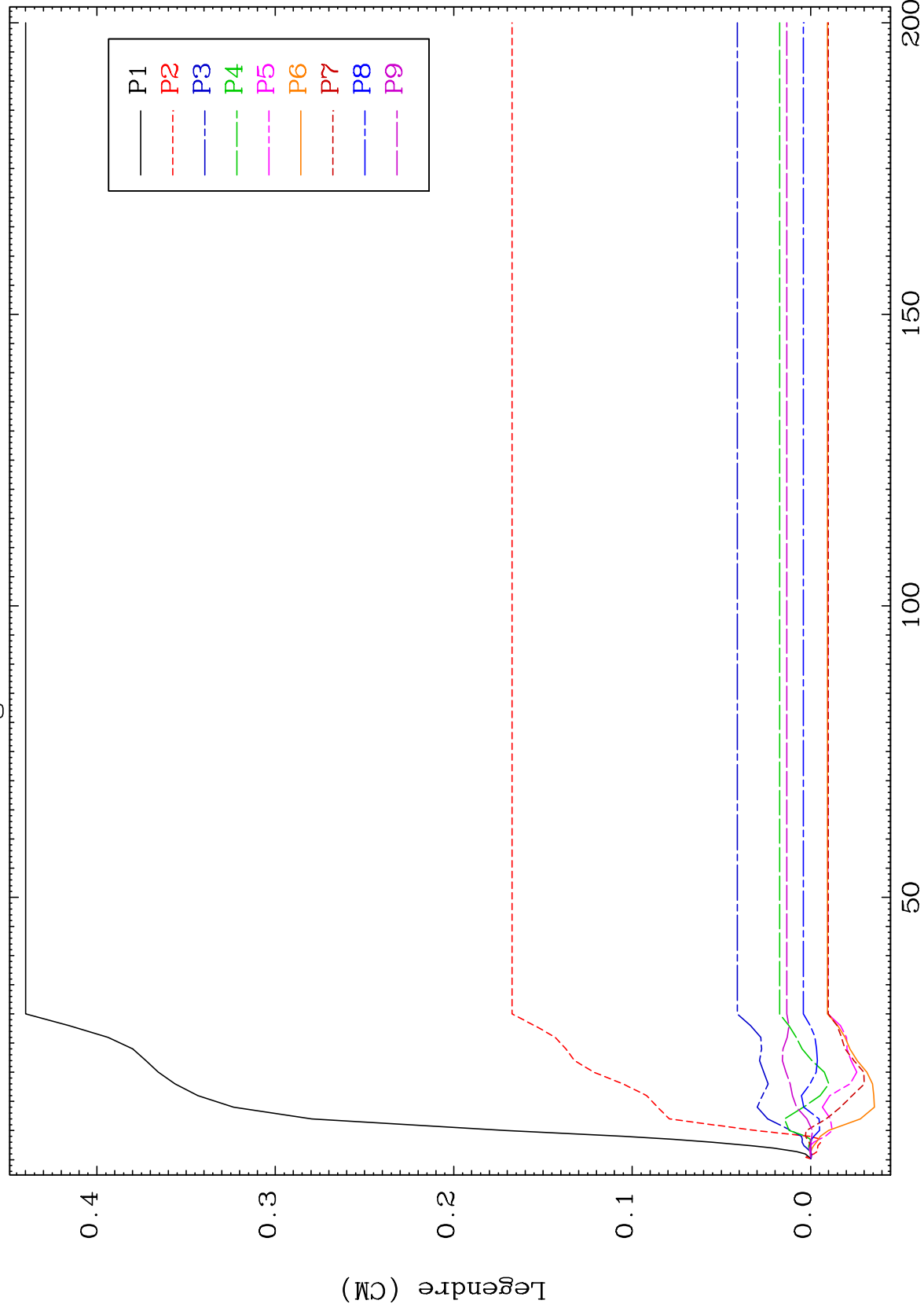




MAT 5082

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

50-Sn-131



69

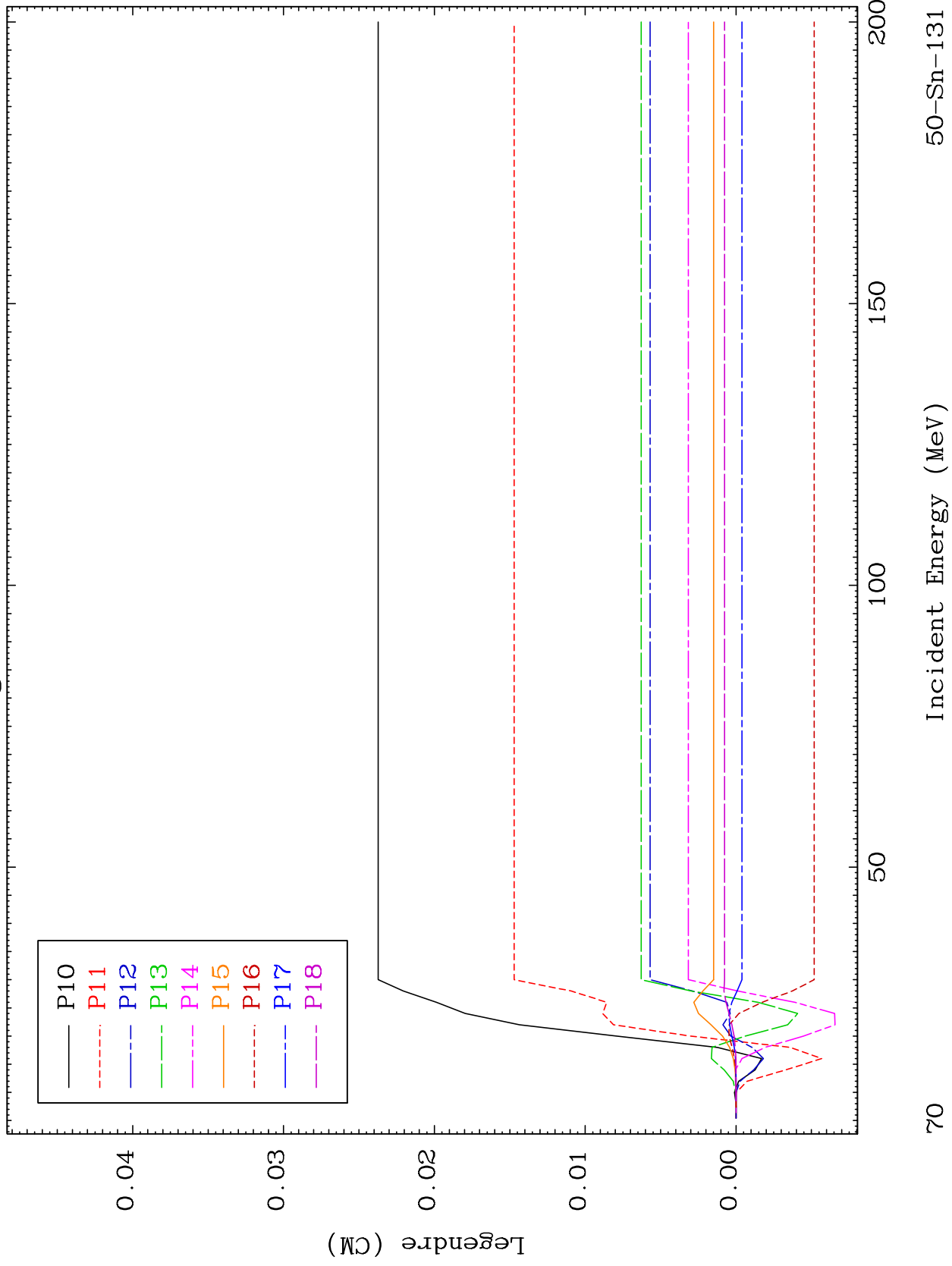
50-Sn-131

Incident Energy (MeV)

MAT 5082

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

50-Sn-131



70

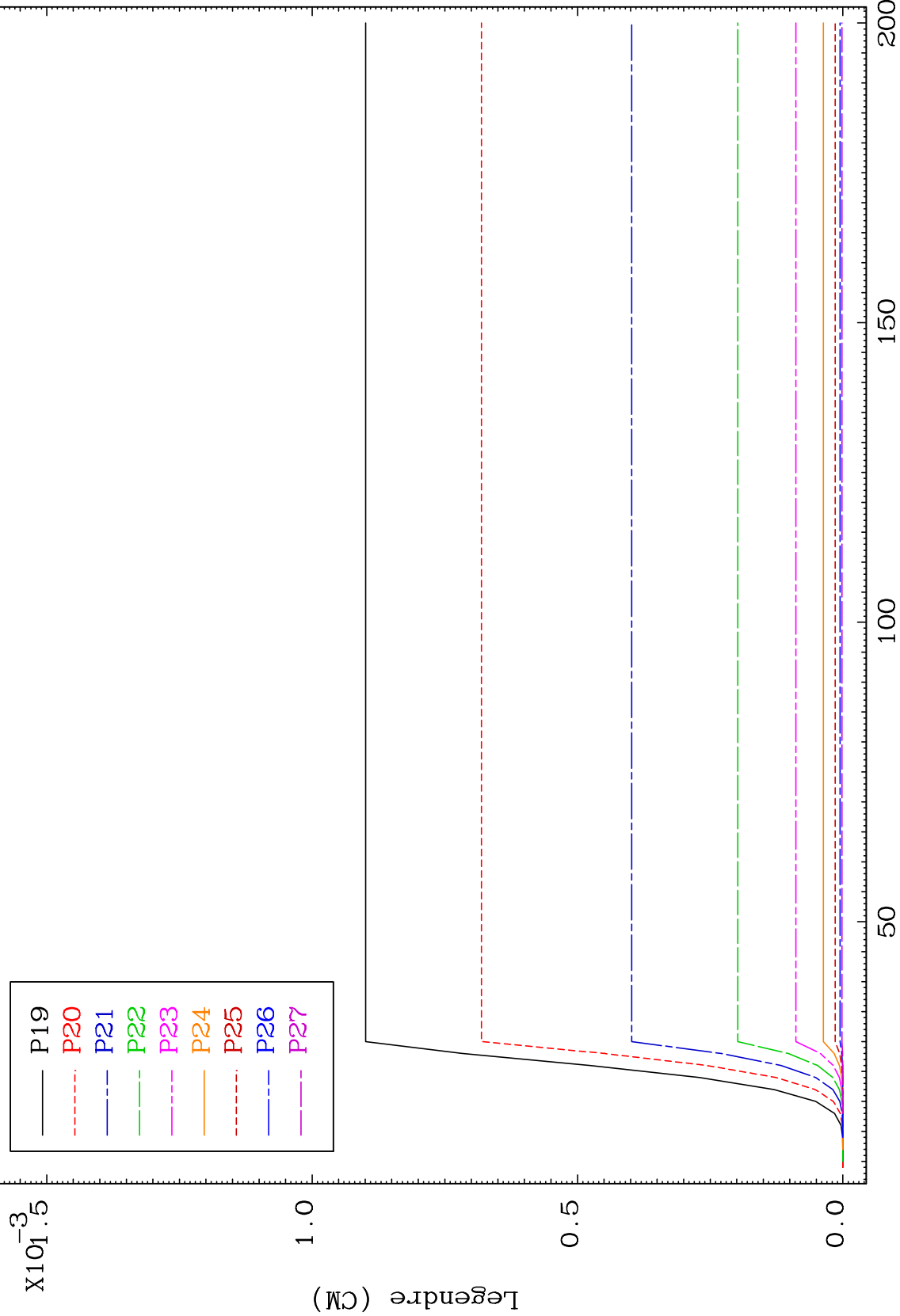
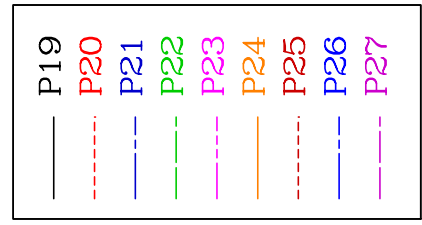
Incident Energy (MeV)

50-Sn-131

MAT 5082

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

50-Sn-131



71

Incident Energy (MeV)

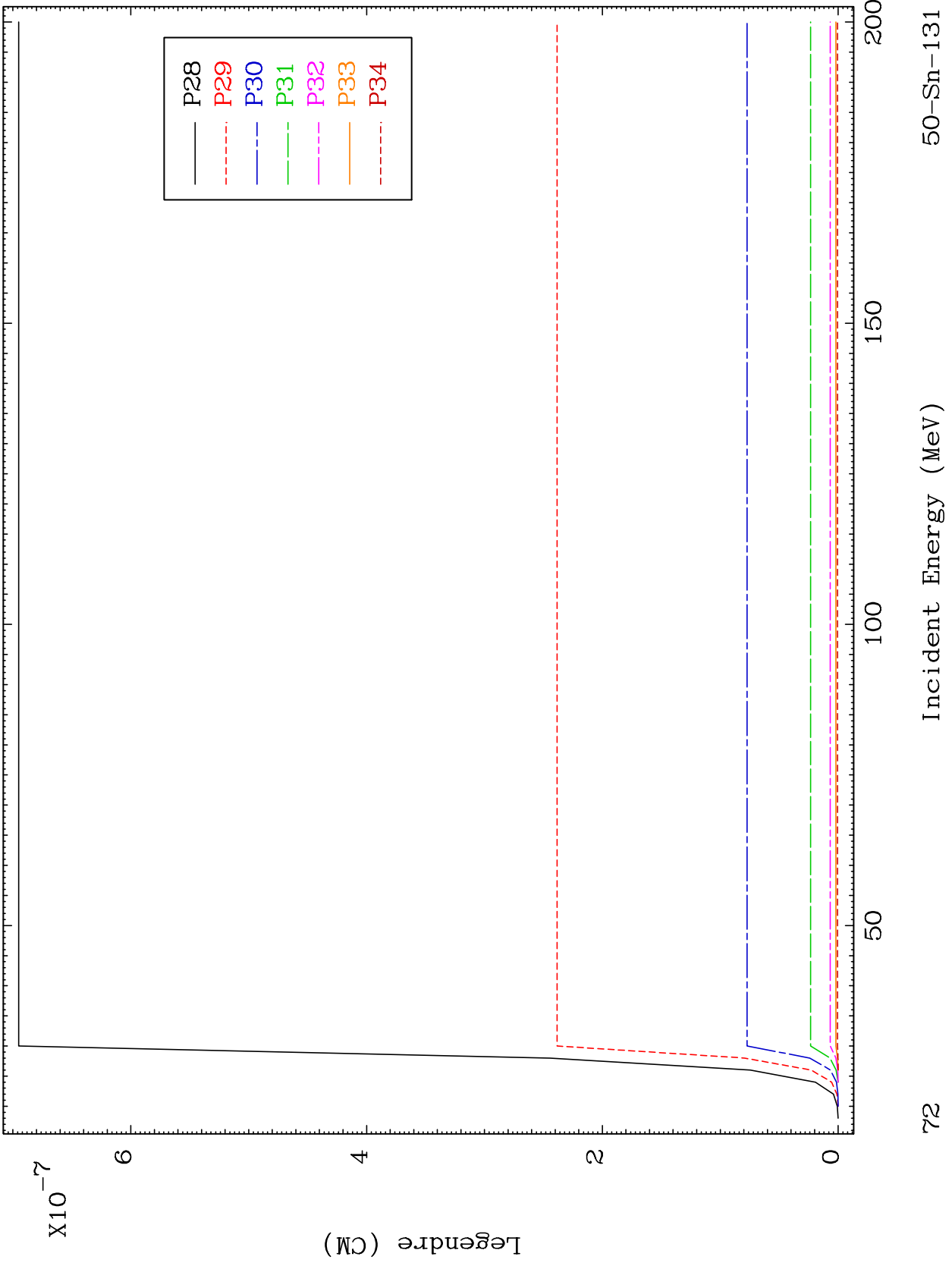
50-Sn-131



MAT 5082

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

50-Sn-131



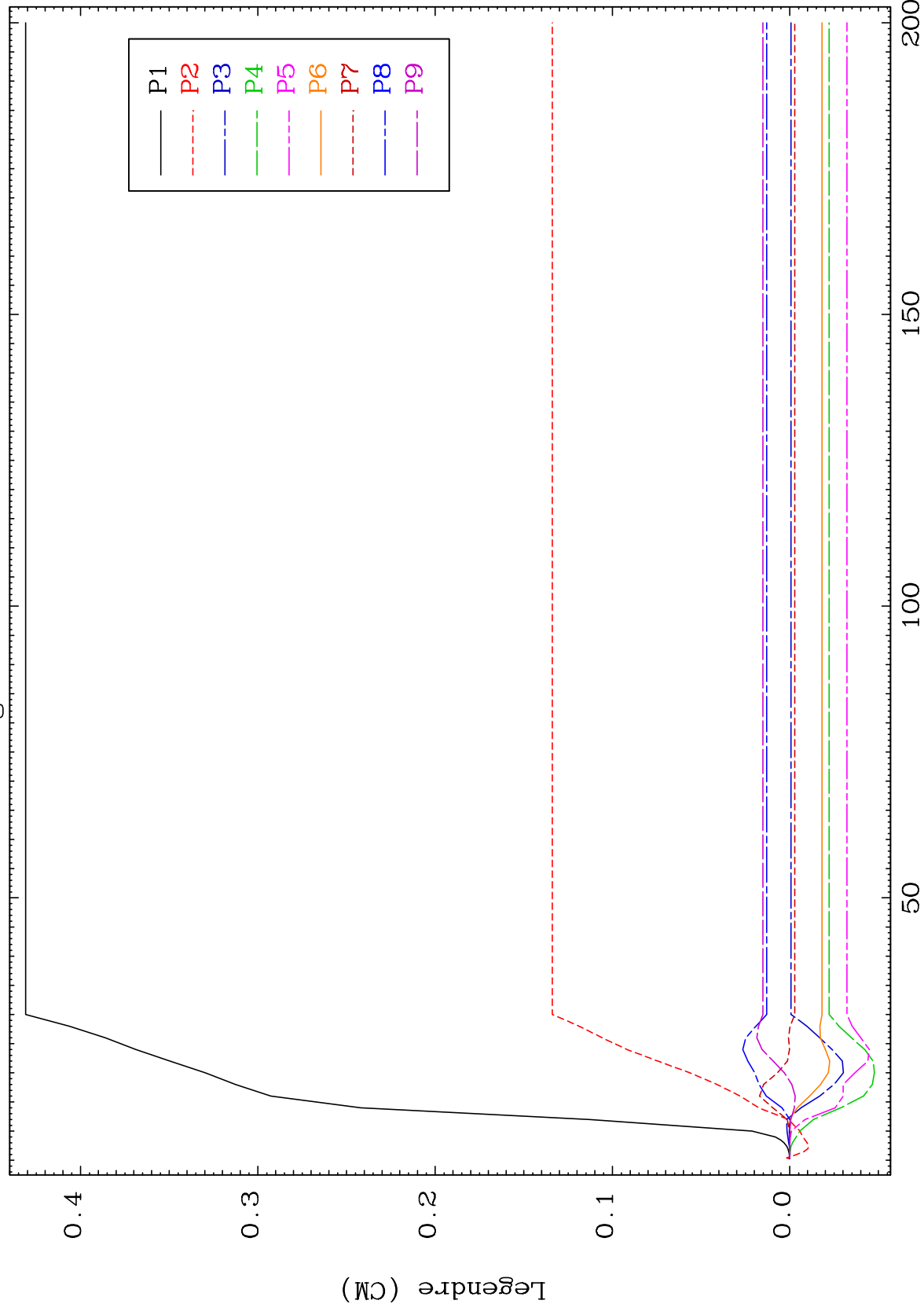
72

50-Sn-131

MAT 5082

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

50-Sn-131



73

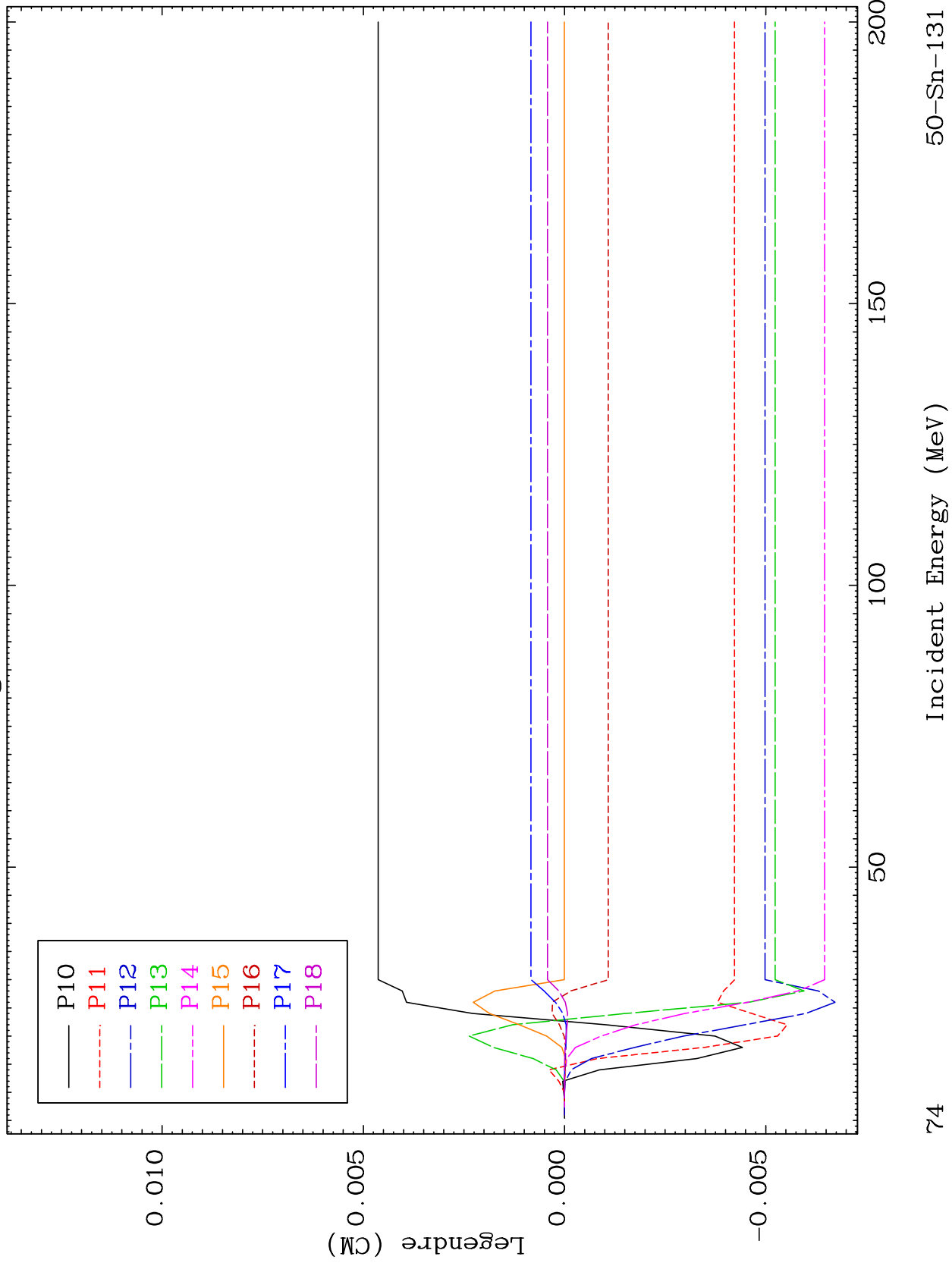
Incident Energy (MeV)

50-Sn-131

MAT 5082

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

50-Sn-131



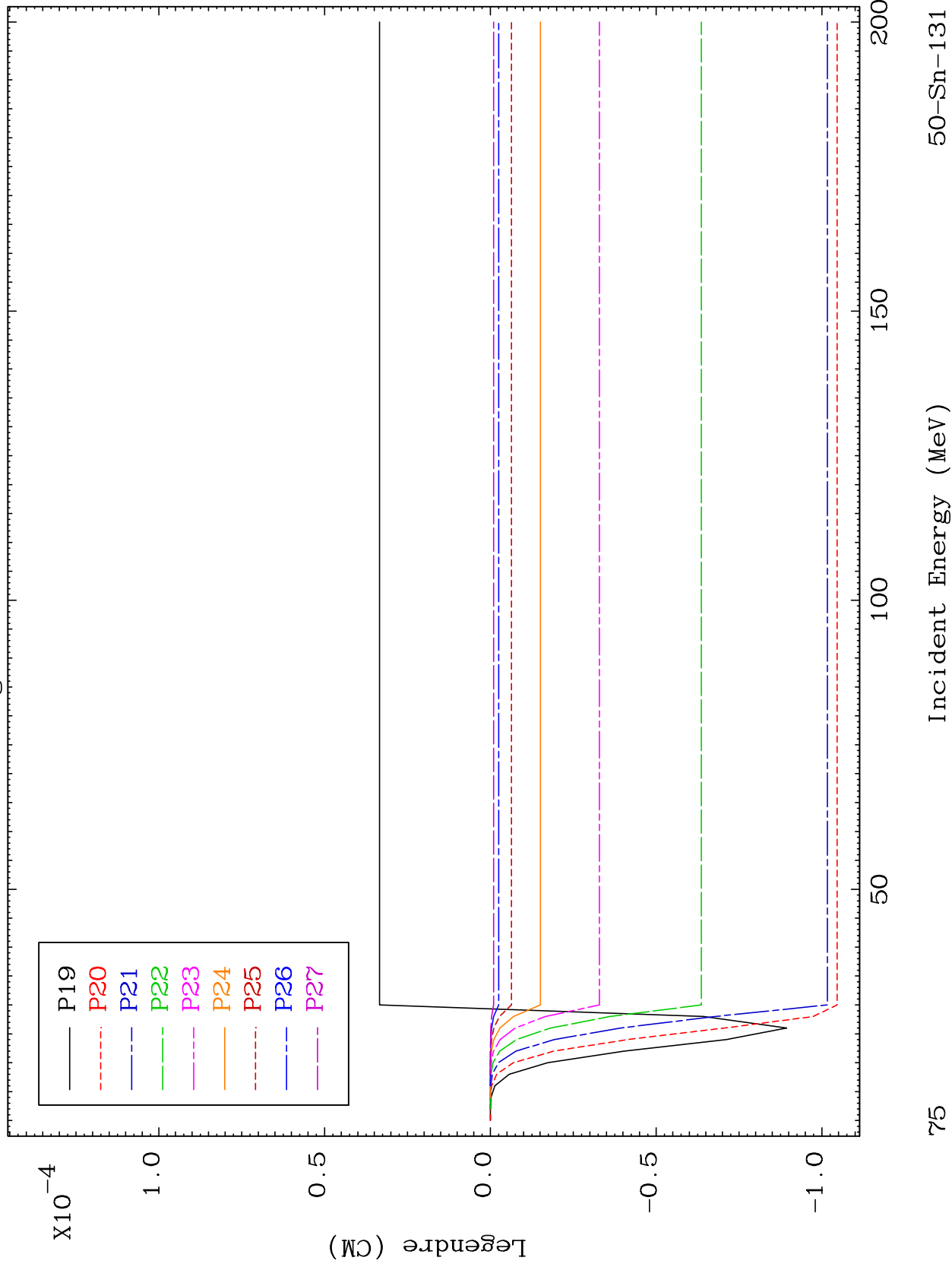
74

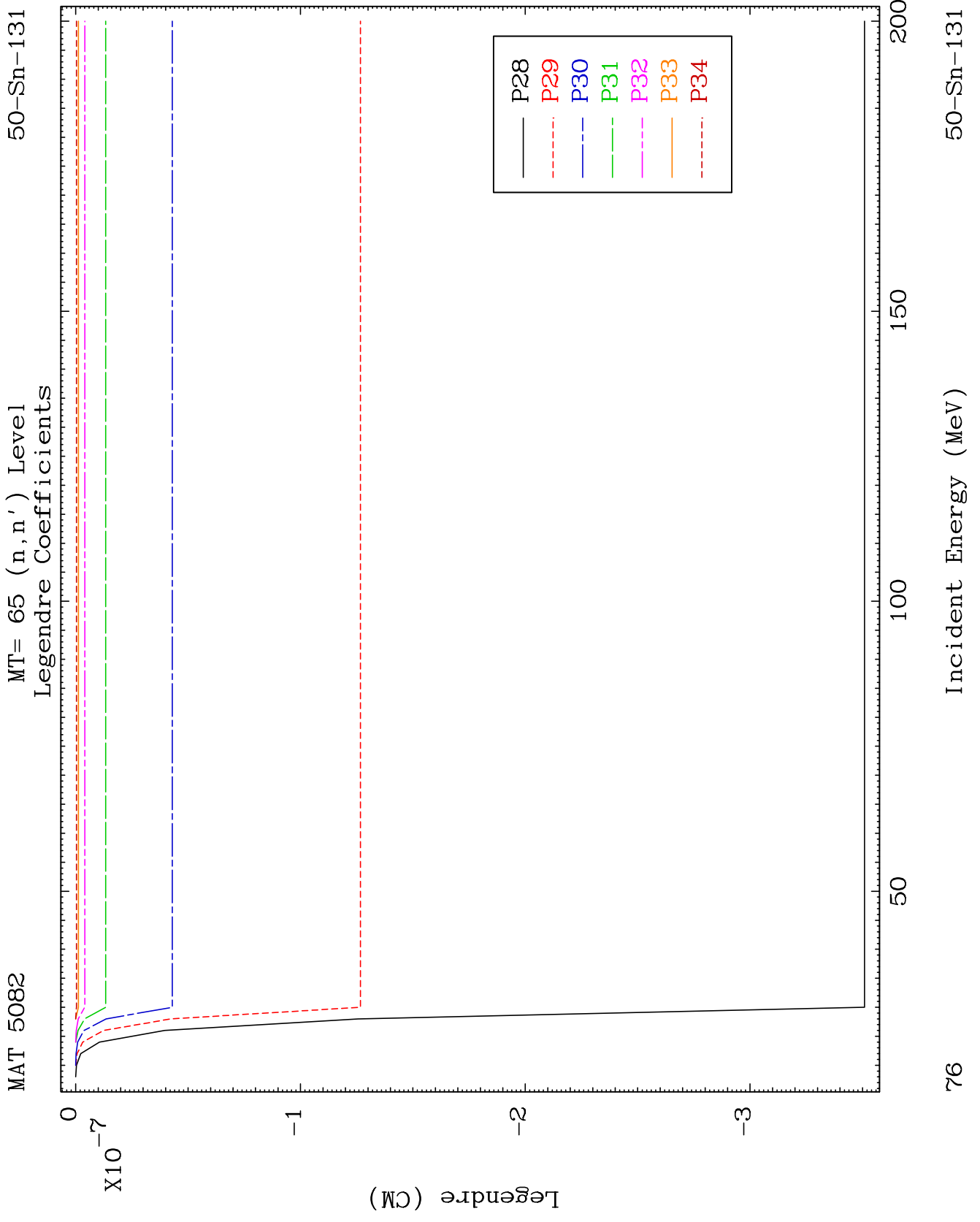
50-Sn-131

MAT 5082

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

50-Sn-131

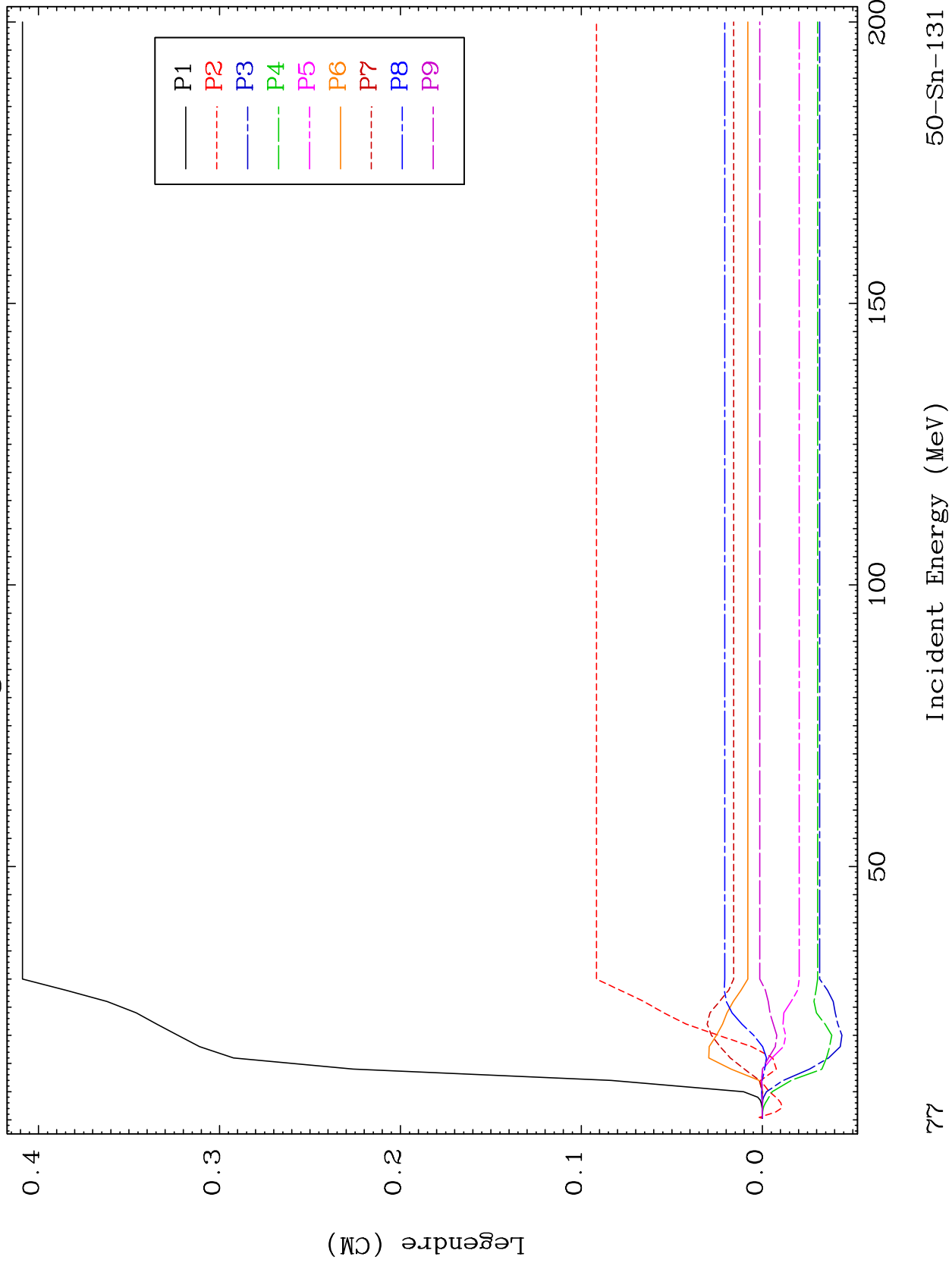




MAT 5082

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

50-Sn-131



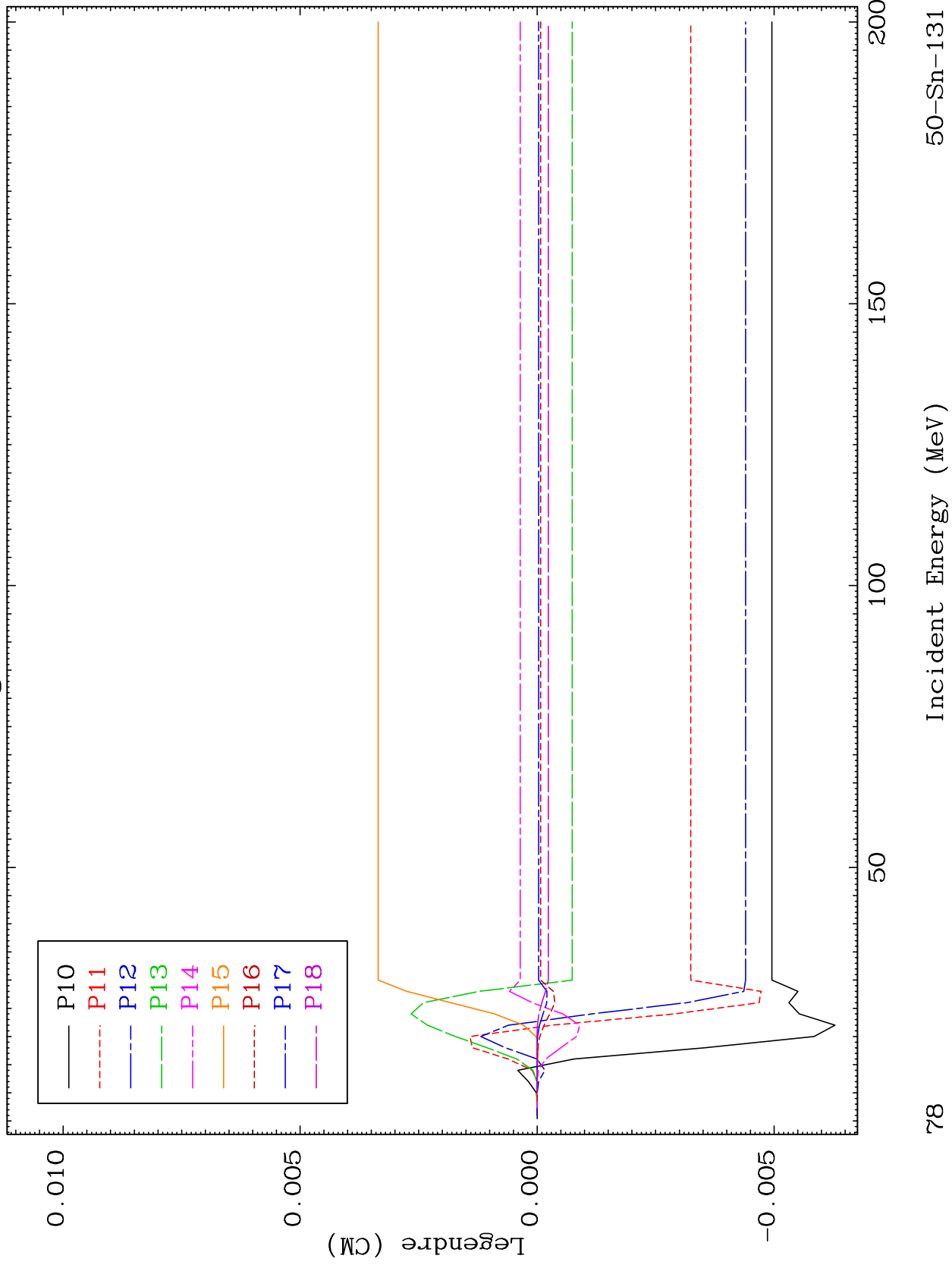
77

50-Sn-131

MAT 5082

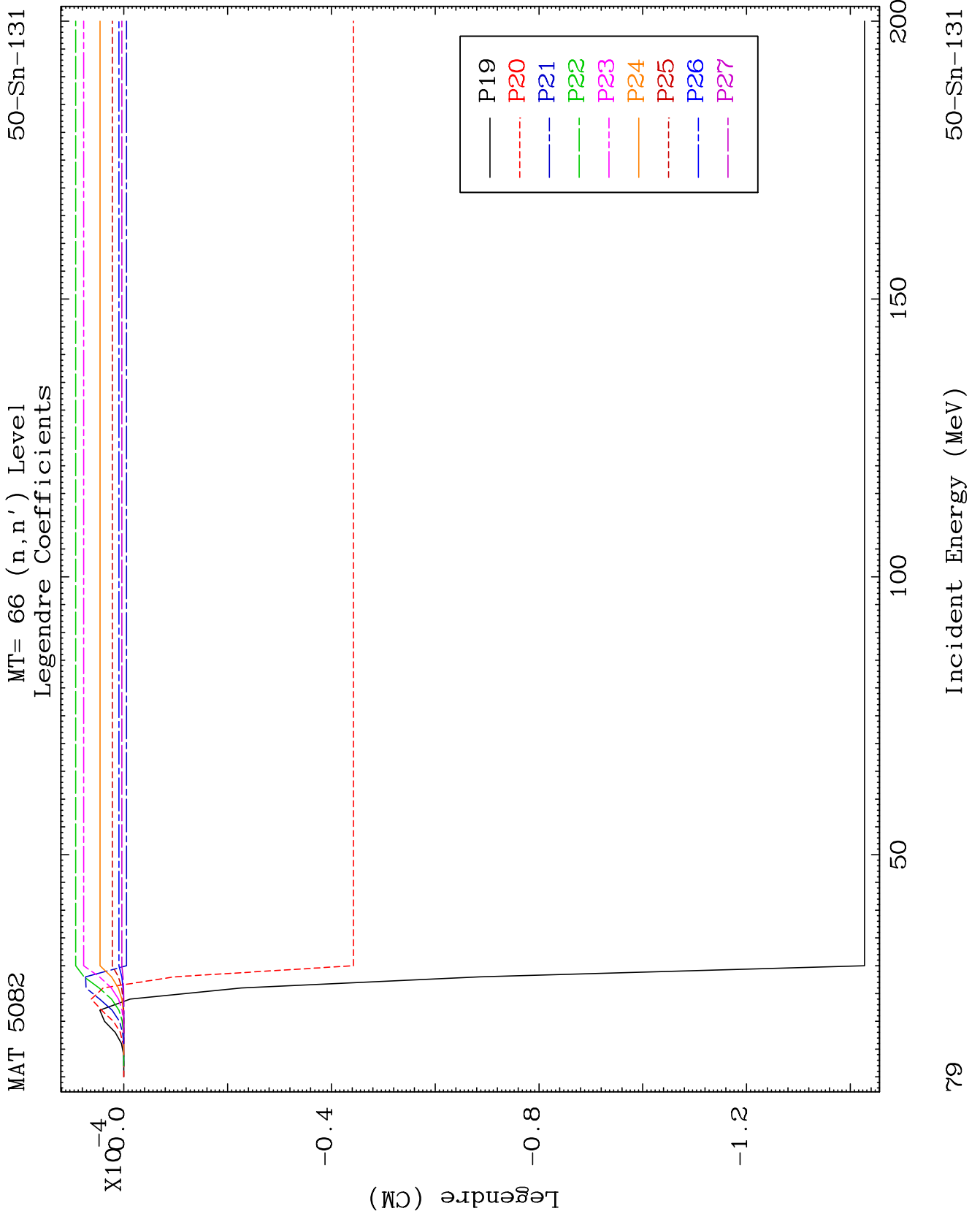
MT= 66 (n,n') Level  
Legendre Coefficients

50-Sn-131

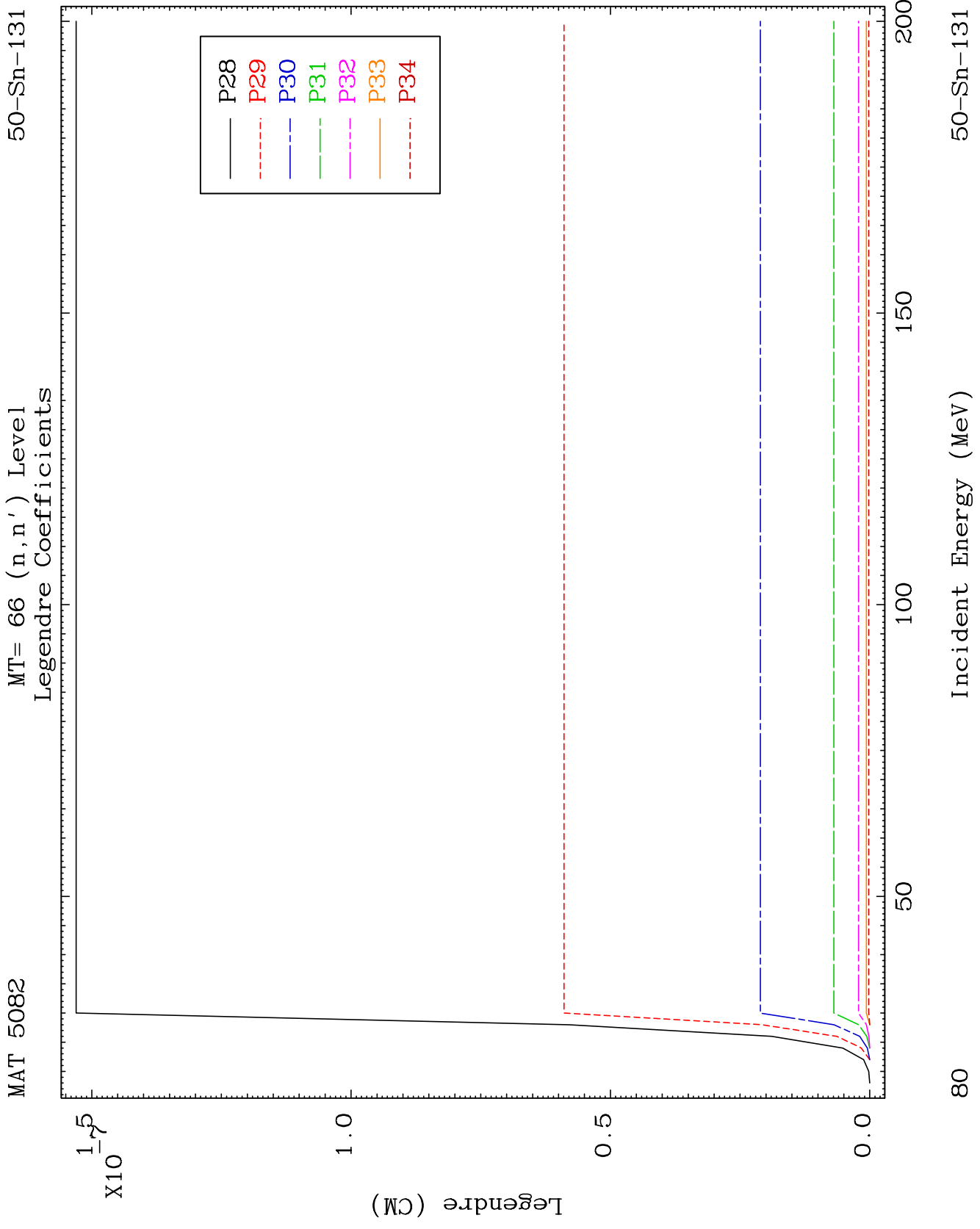


78

50-Sn-131



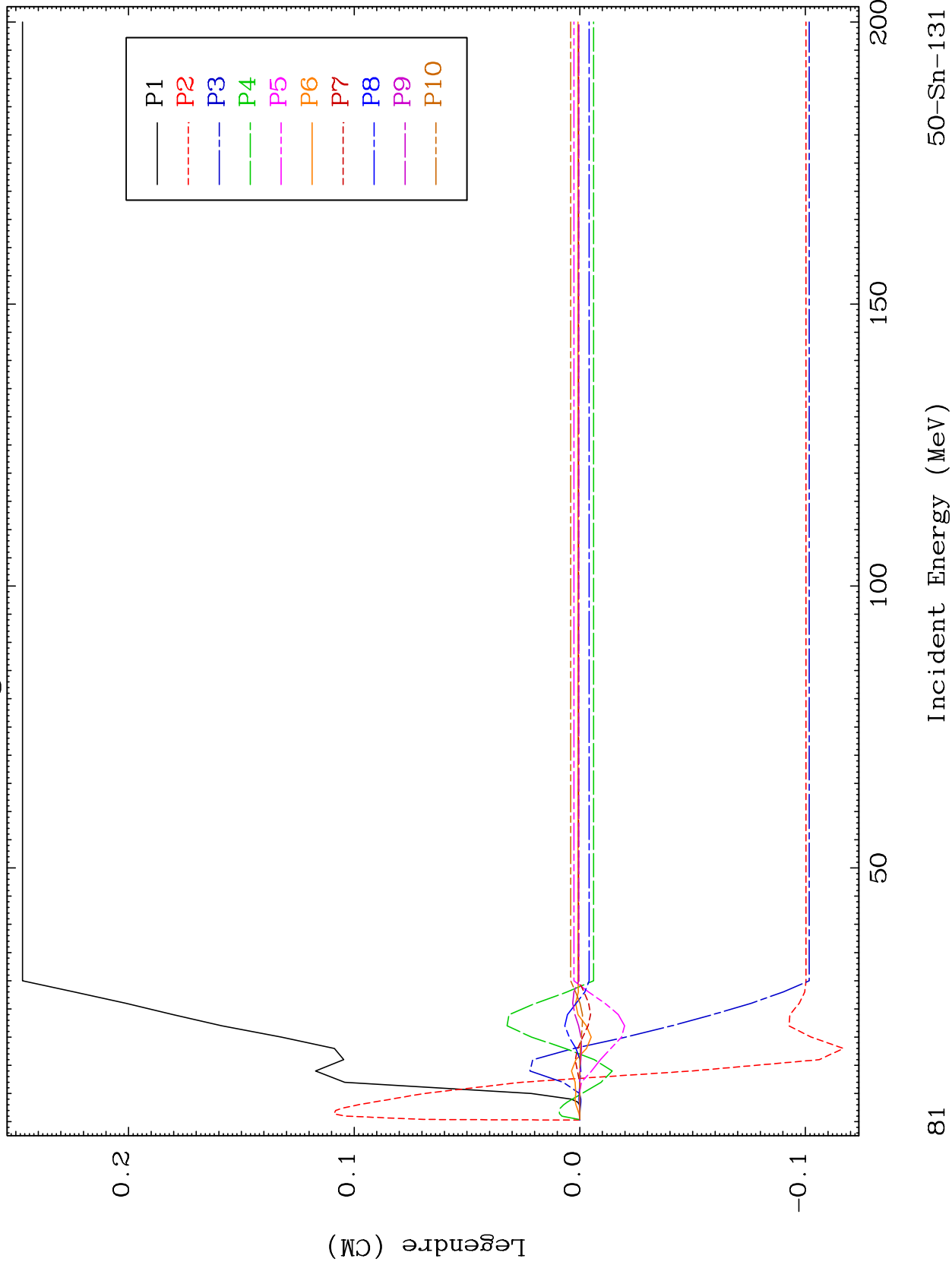




MAT 5082

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

50-Sn-131



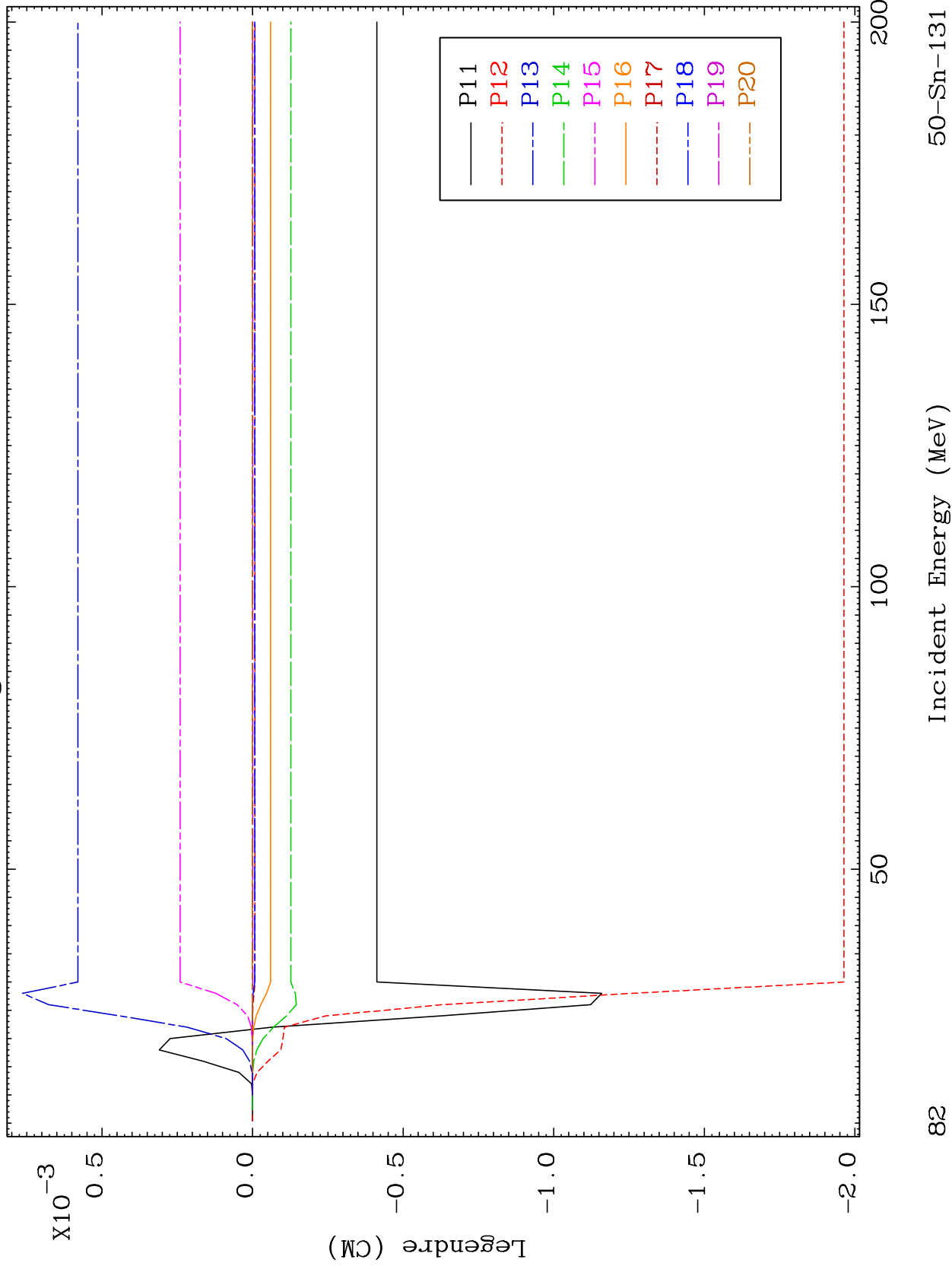
81

50-Sn-131

MAT 5082

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

50-Sn-131



82

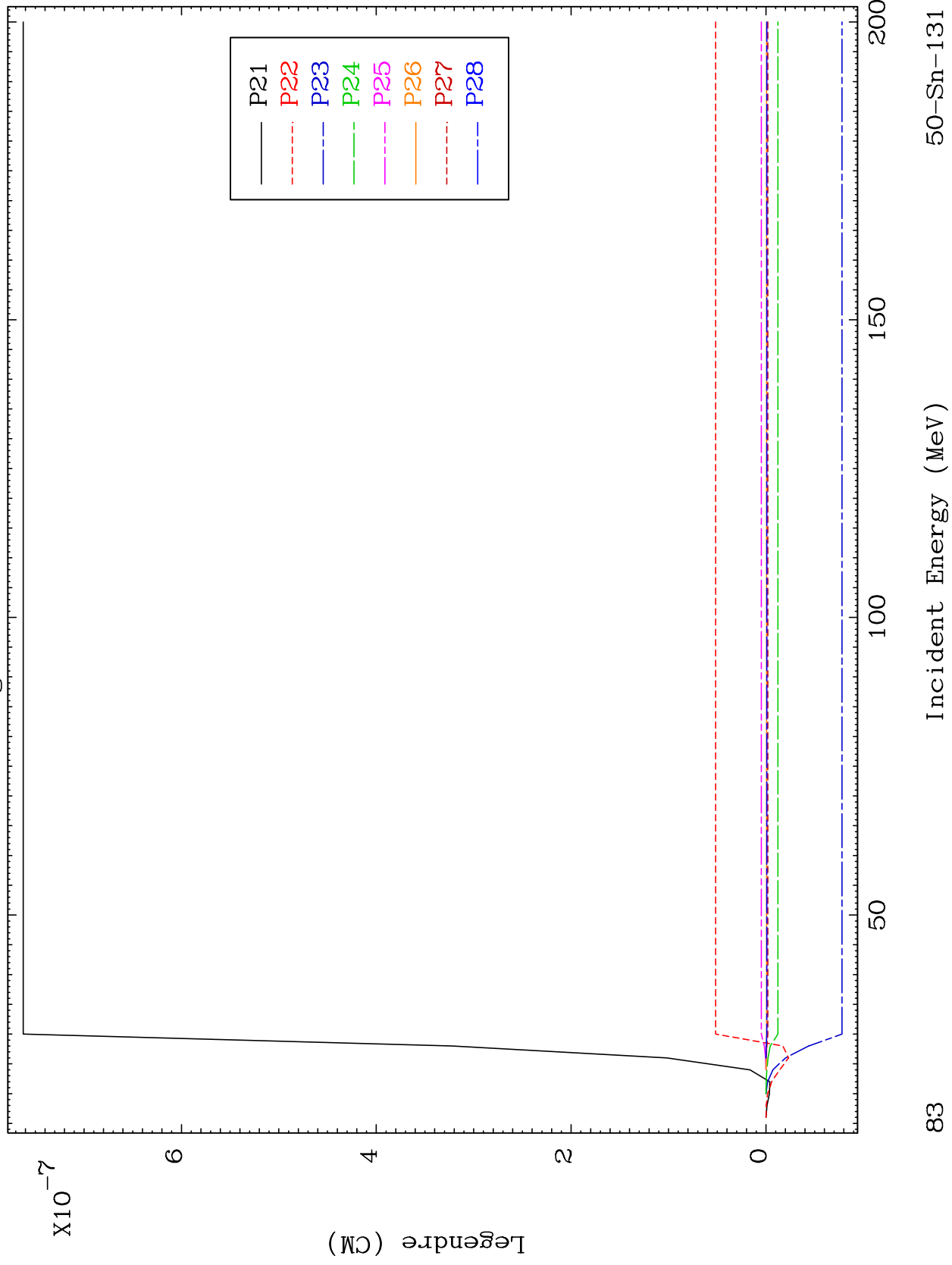
Incident Energy (MeV)

50-Sn-131

MAT 5082

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

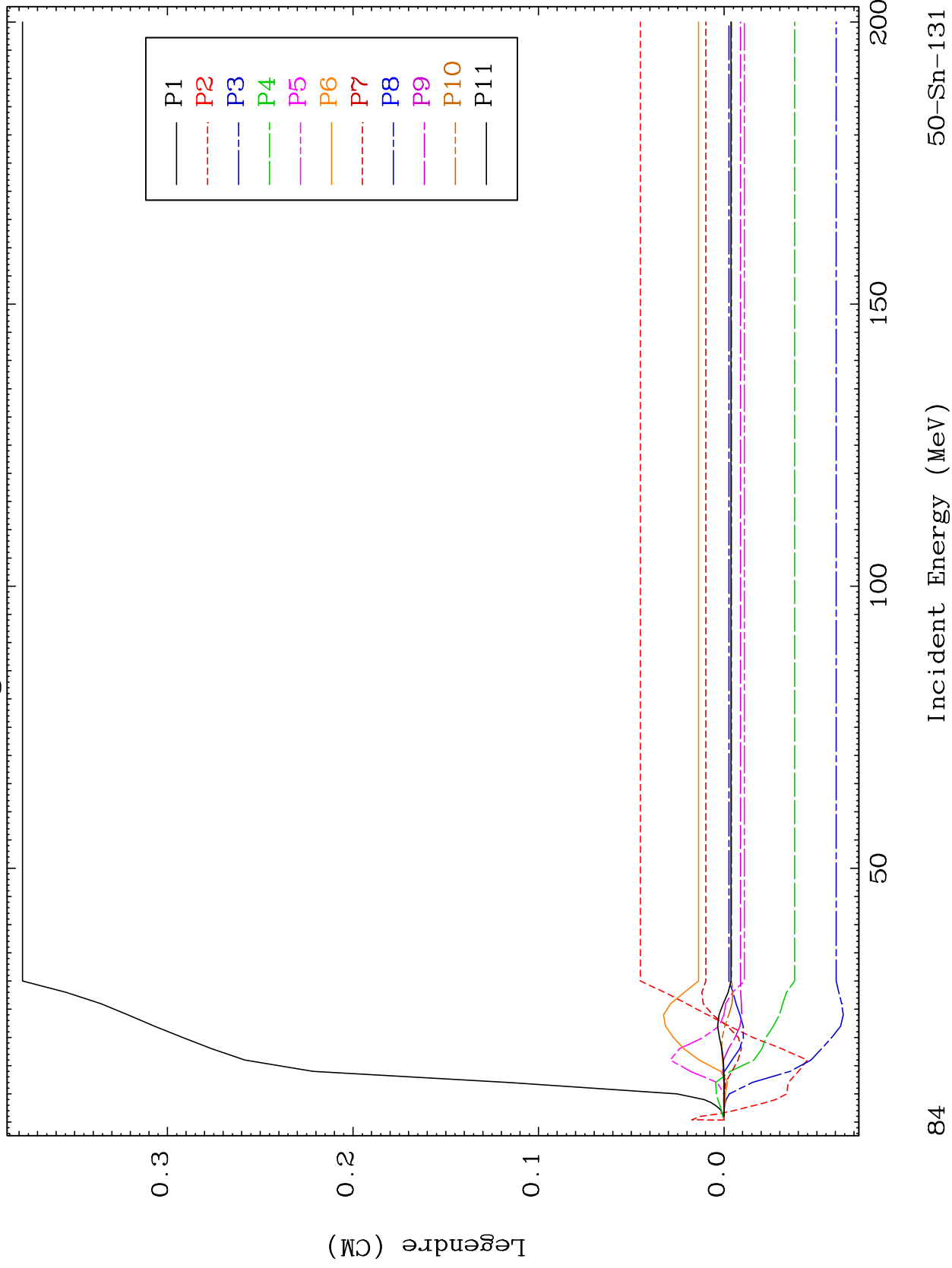
50-Sn-131



MAT 5082

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

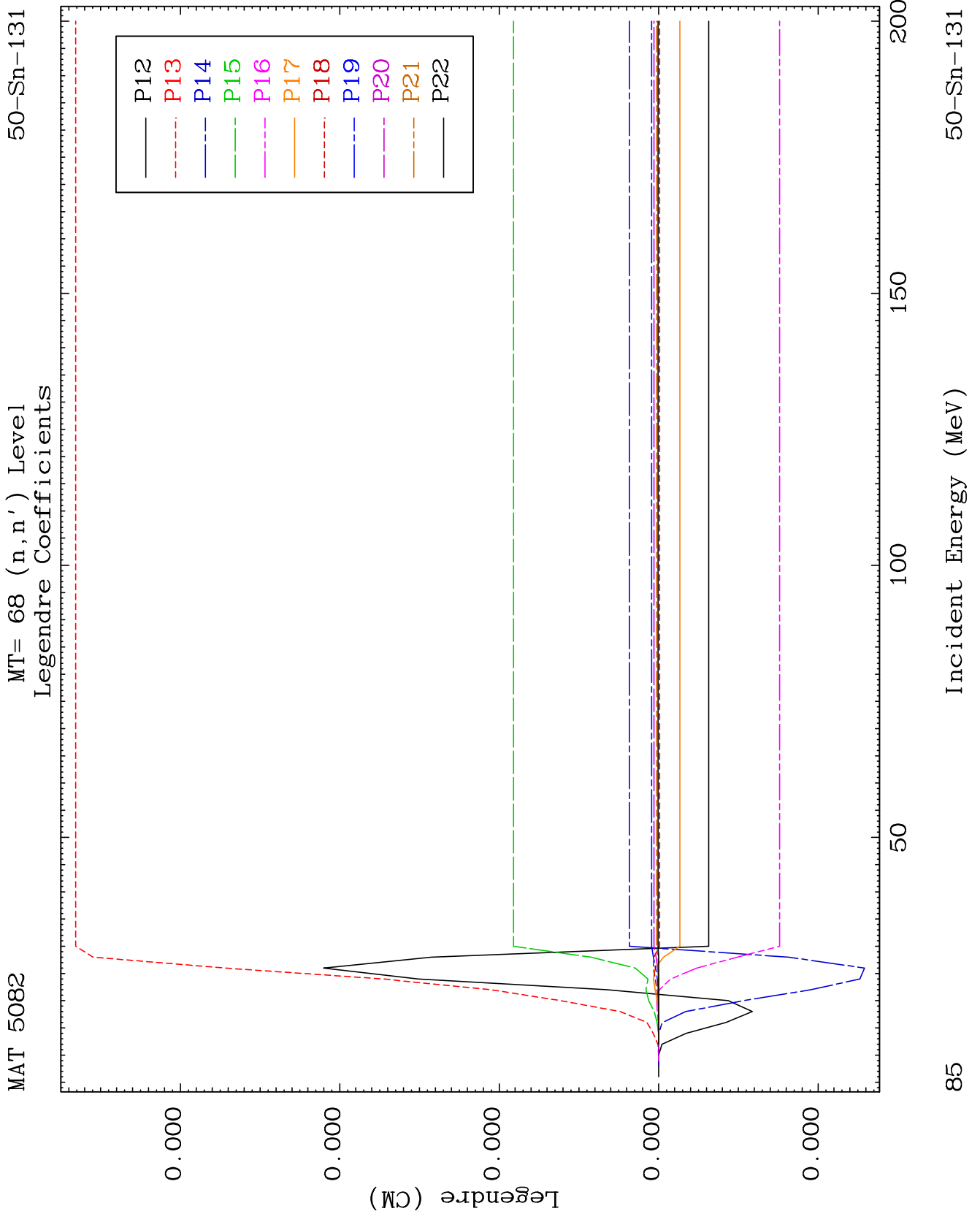
50-Sn-131

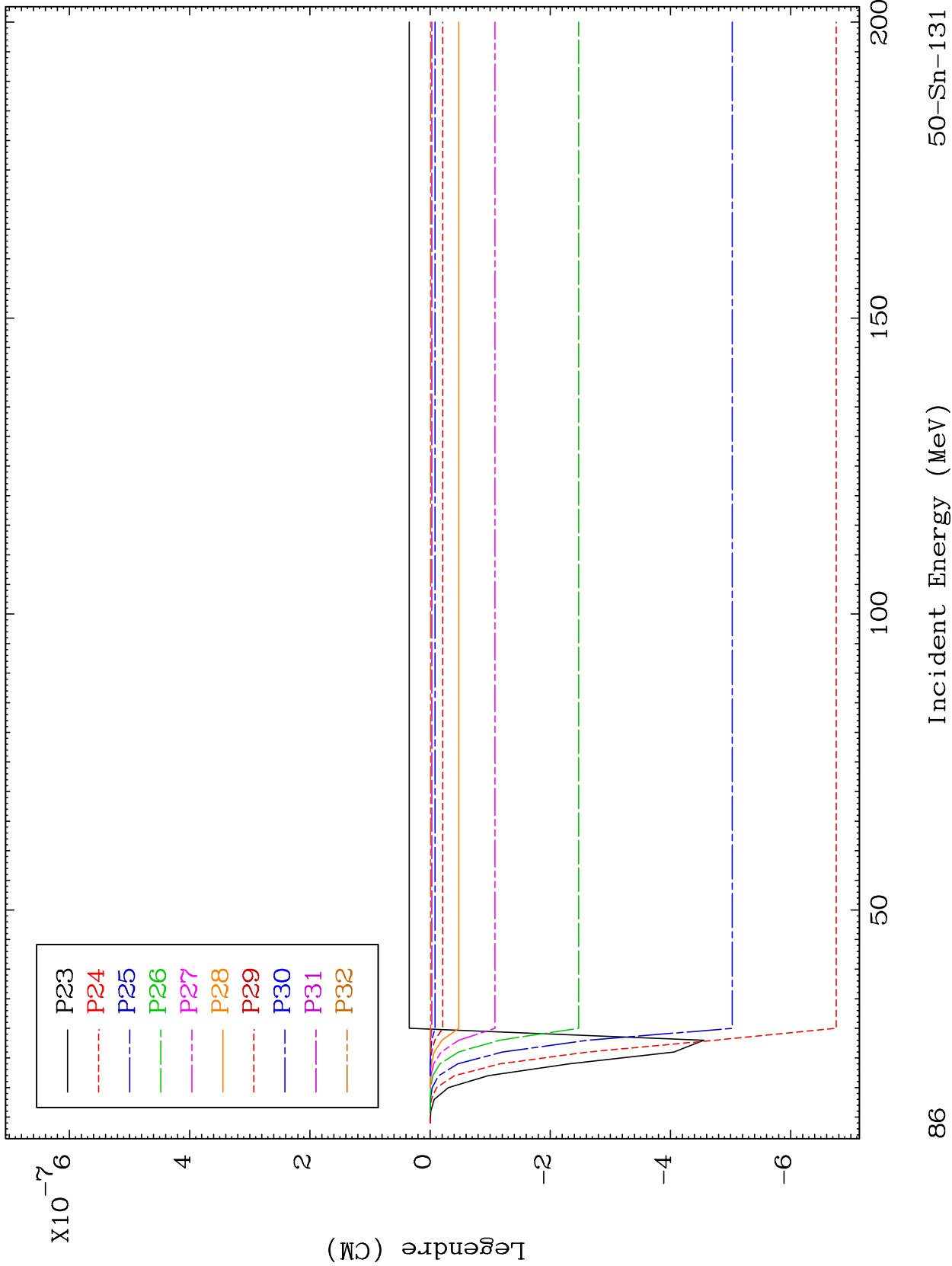


84

Incident Energy (MeV)

50-Sn-131

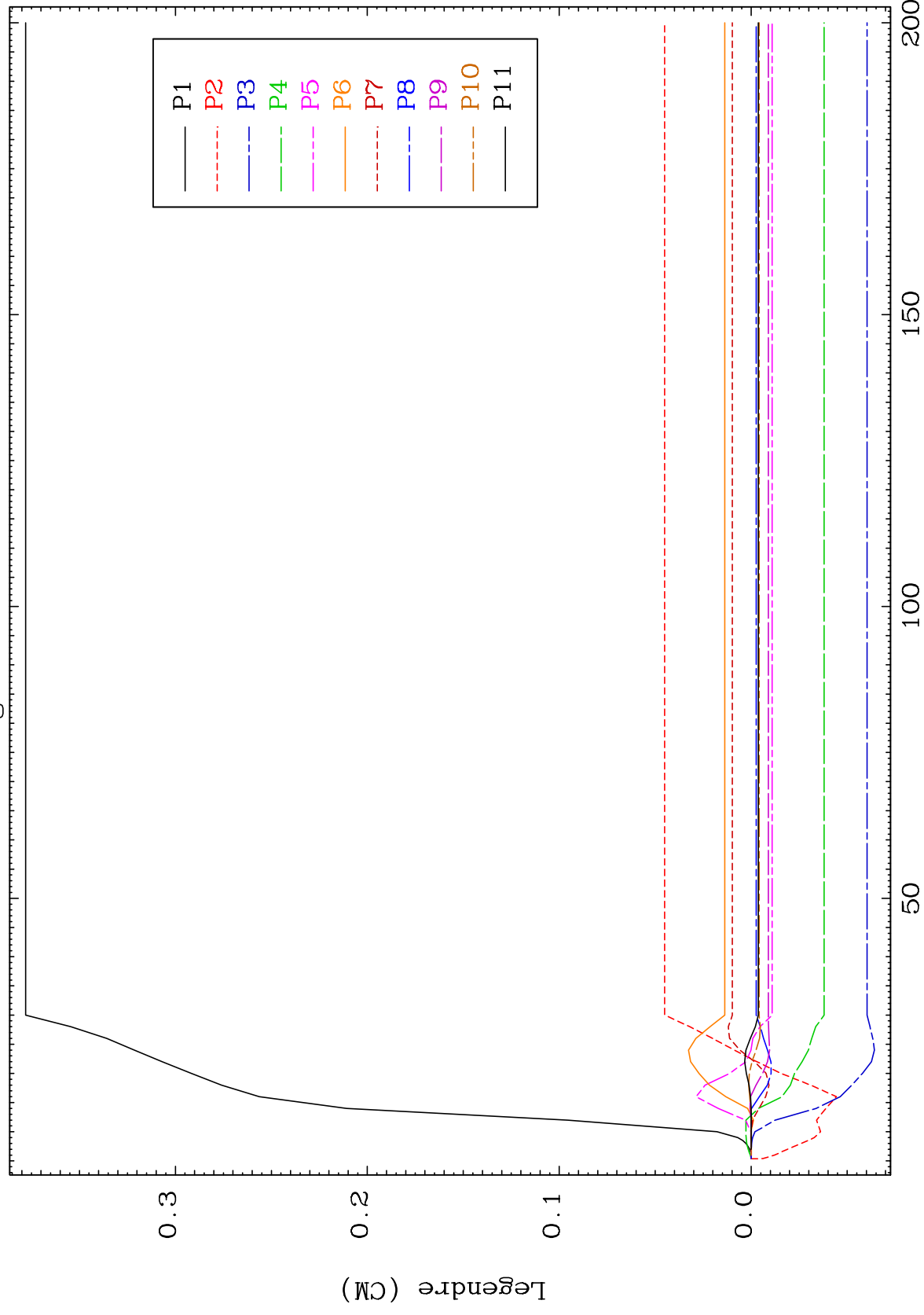




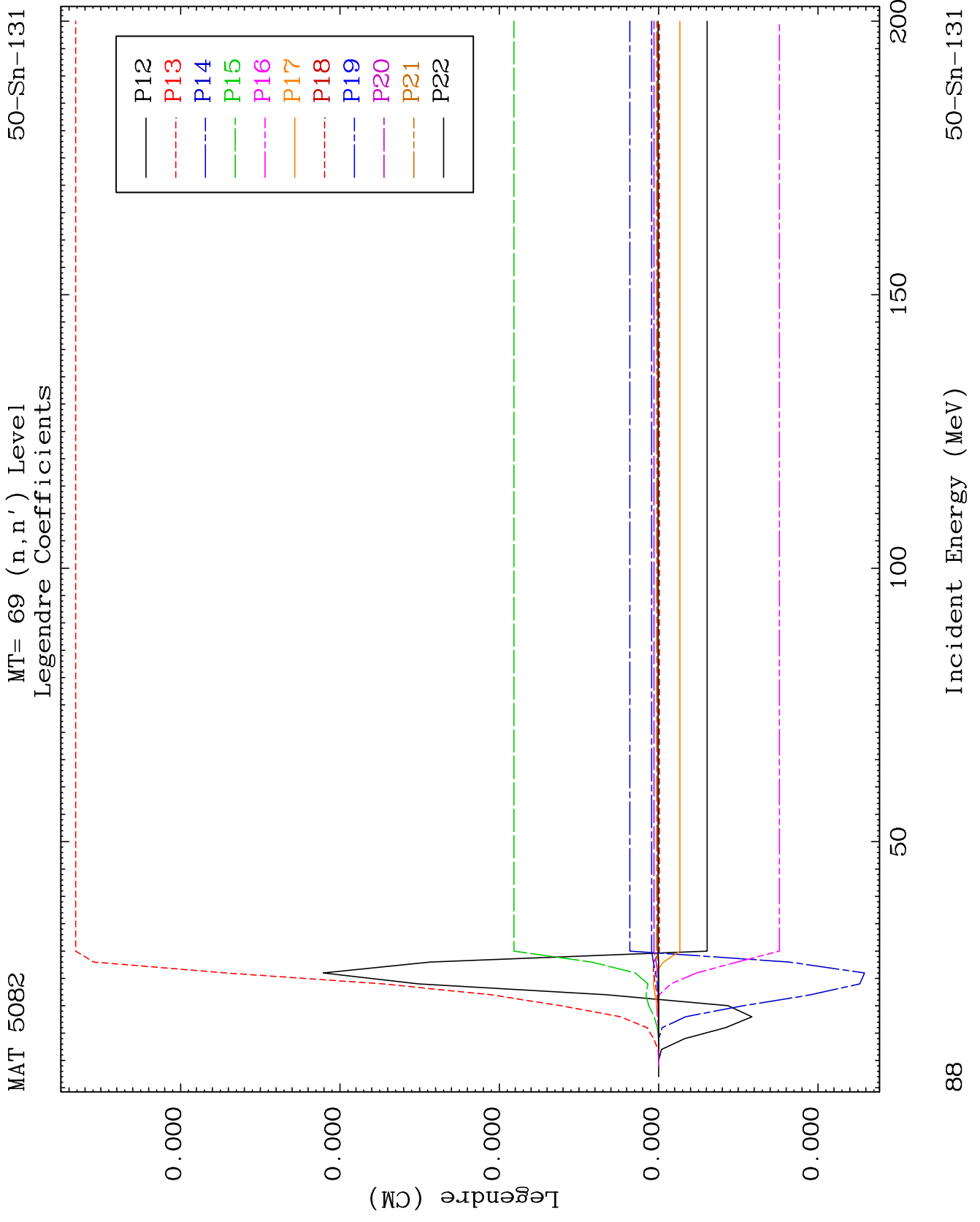
MAT 5082

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

50-Sn-131



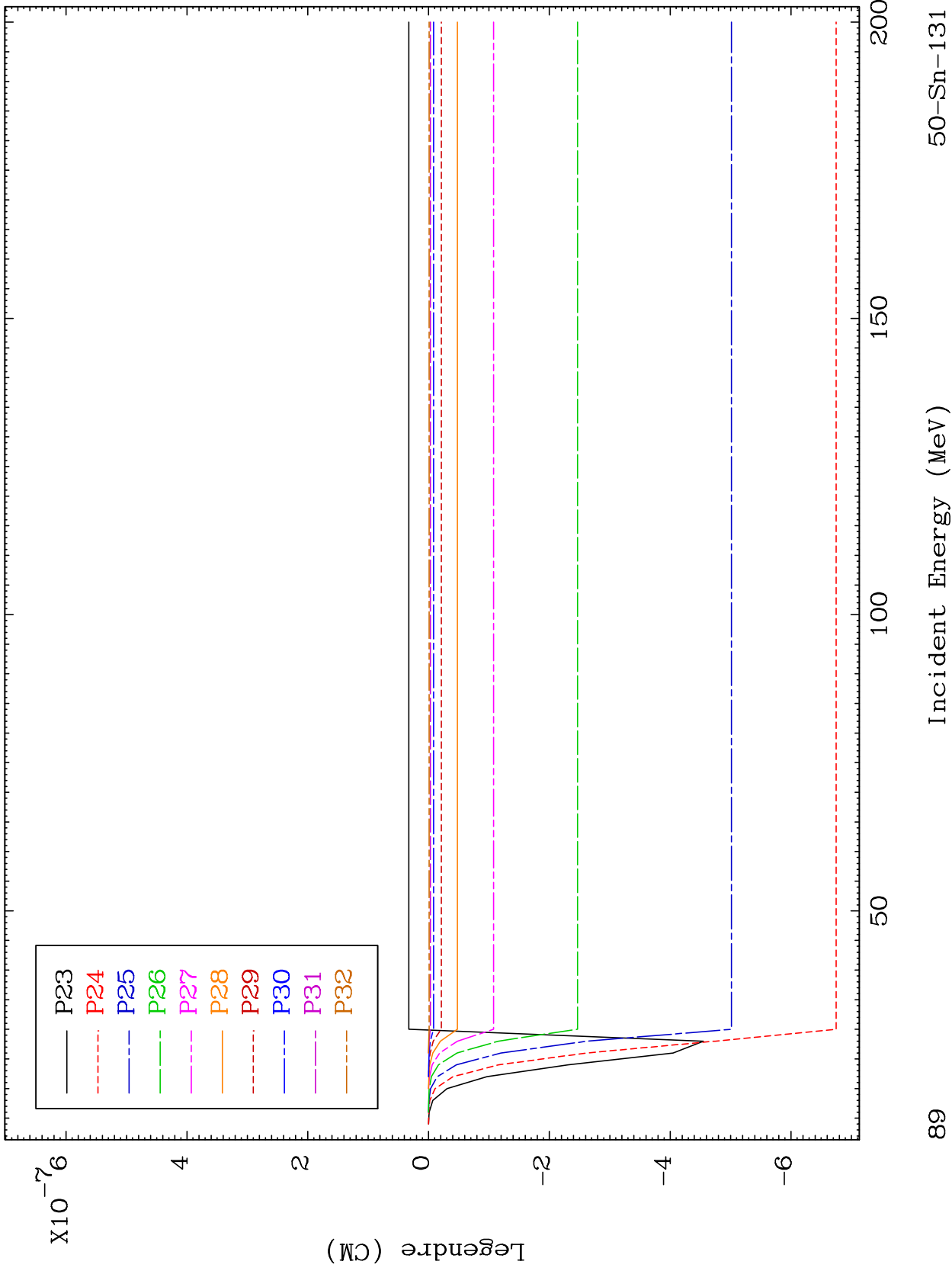




MAT 5082

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

50-Sn-131



89

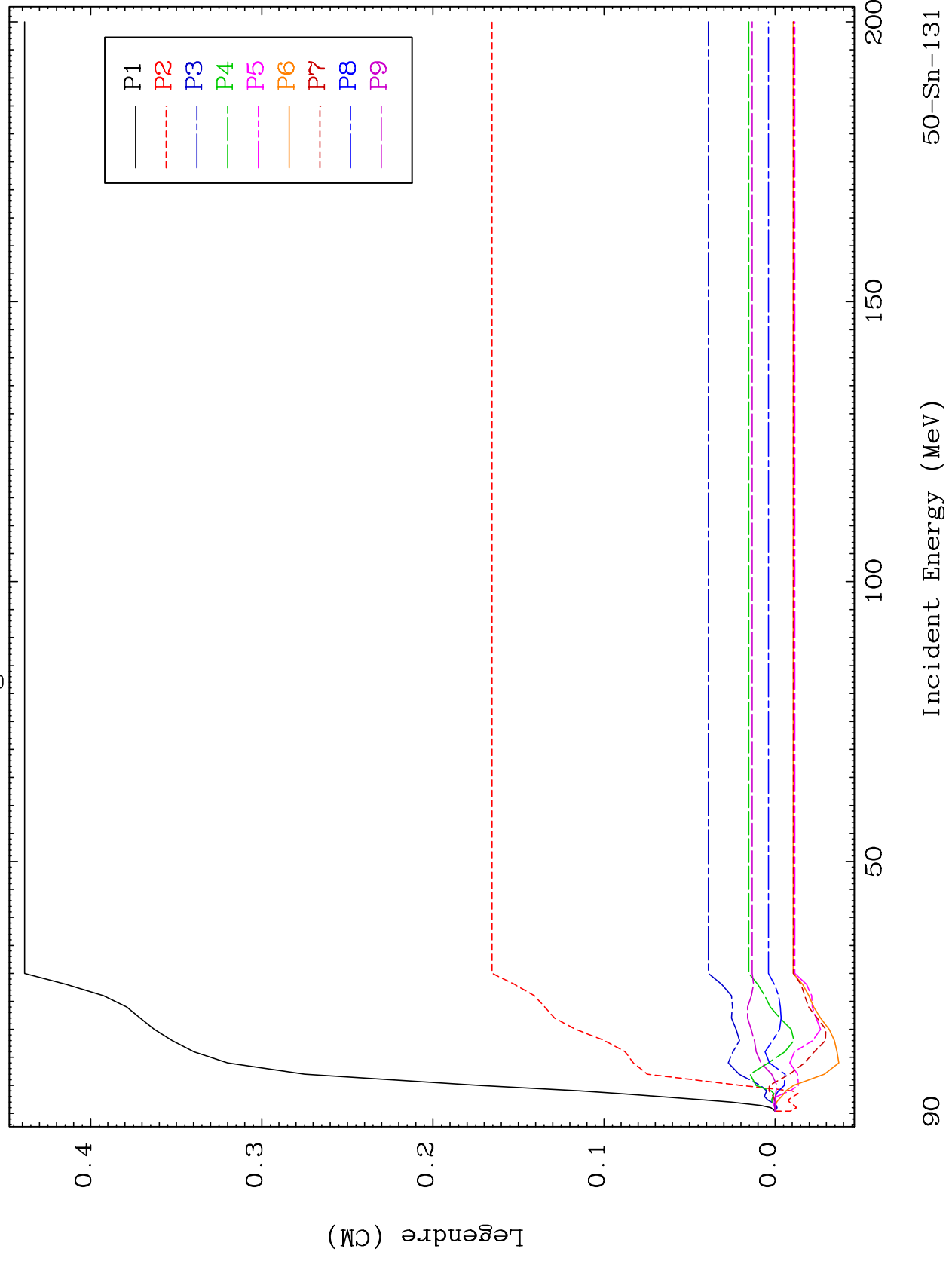
Incident Energy (MeV)

50-Sn-131

MAT 5082

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

50-Sn-131



90

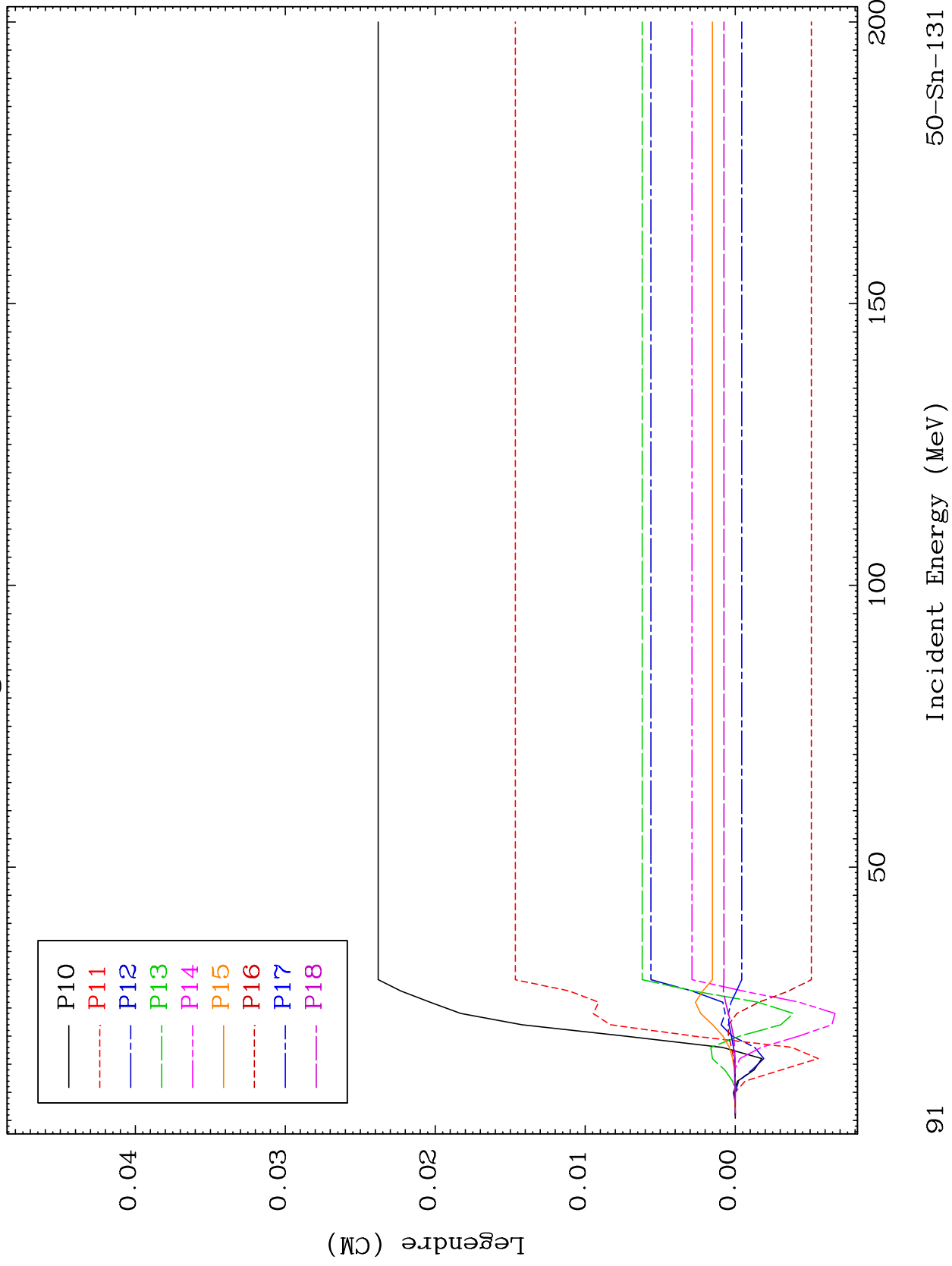
Incident Energy (MeV)

50-Sn-131

MAT 5082

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

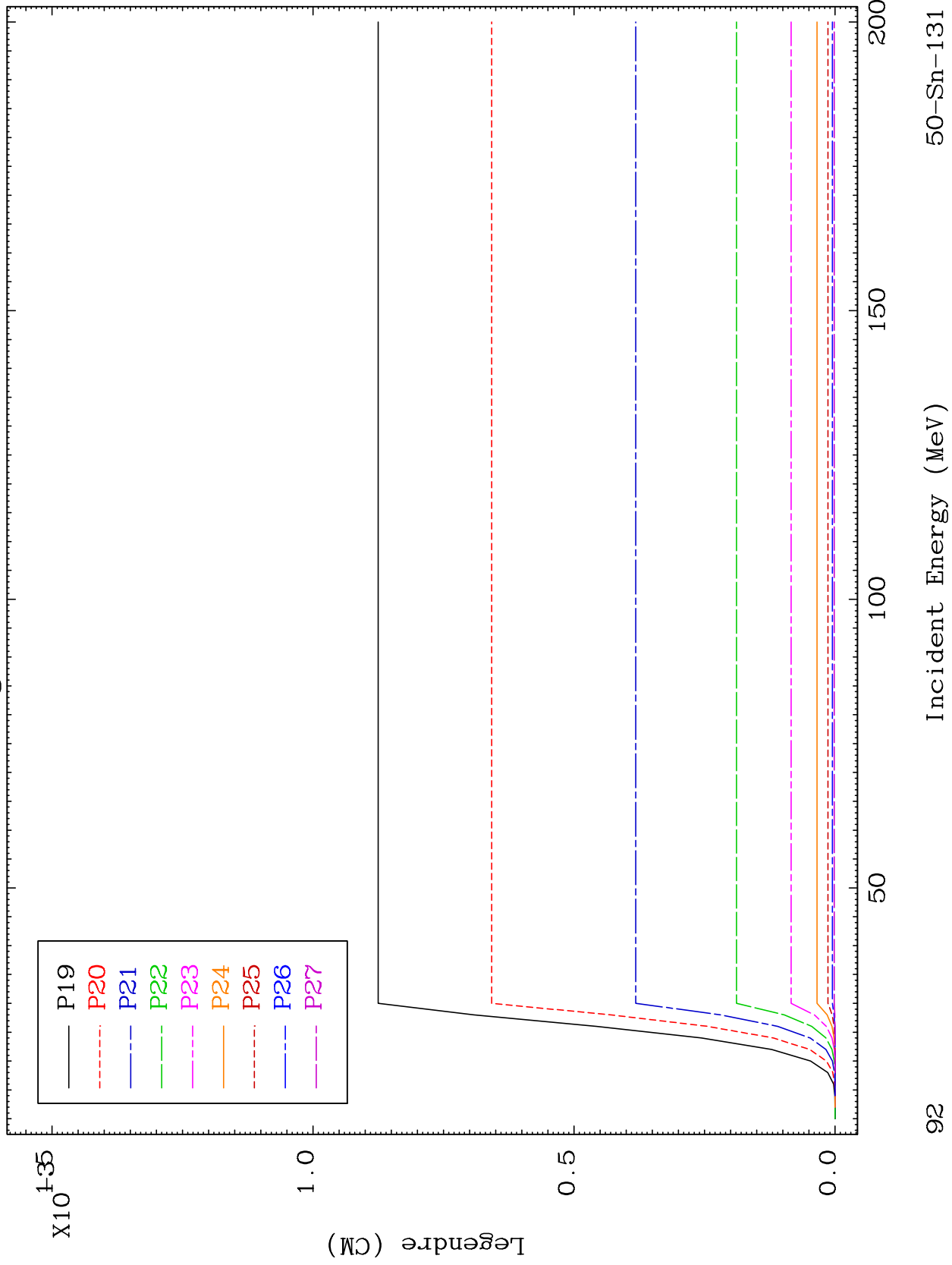
50-Sn-131



MAT 5082

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

50-Sn-131



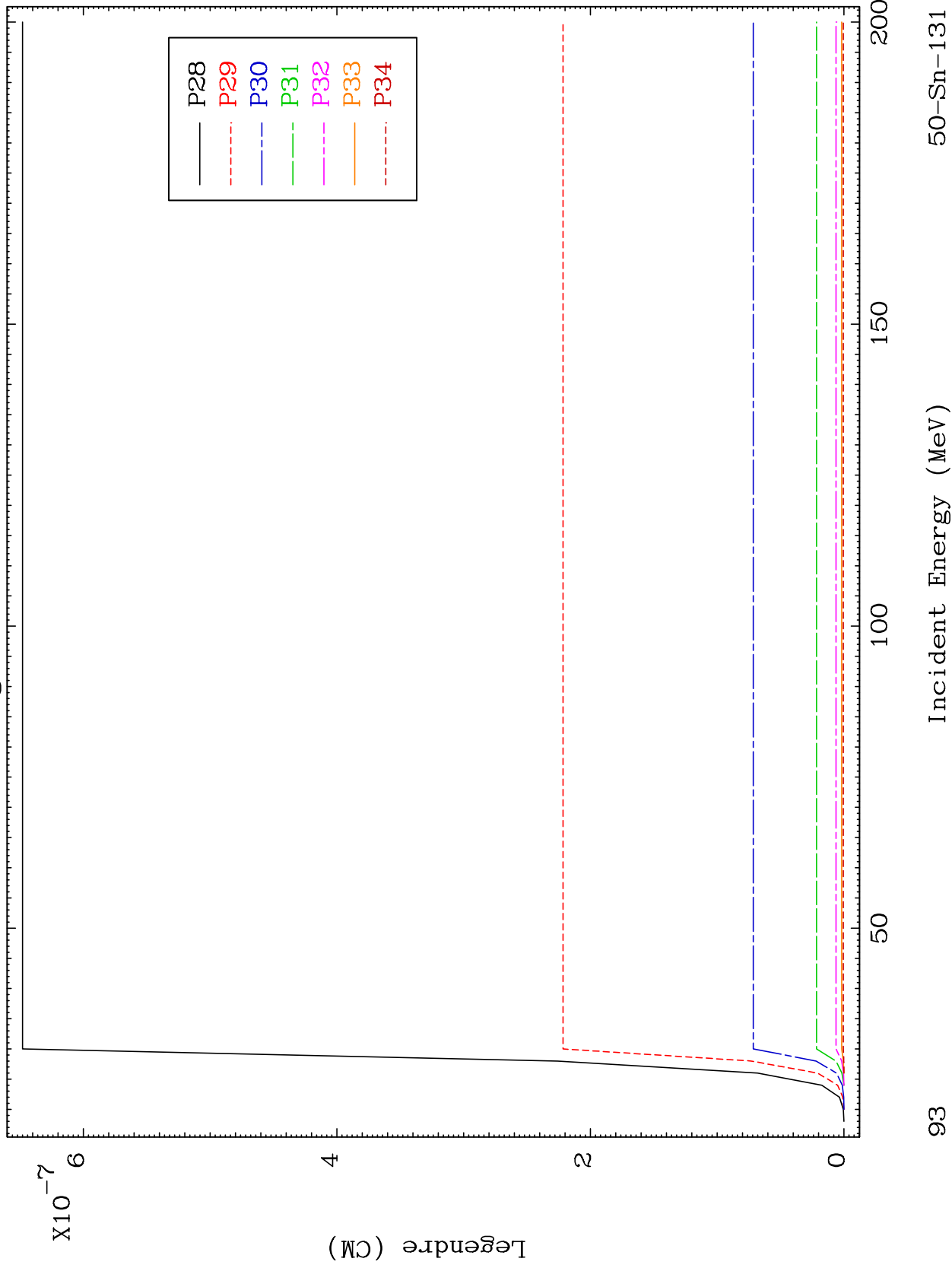
92

50-Sn-131

MAT 5082

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

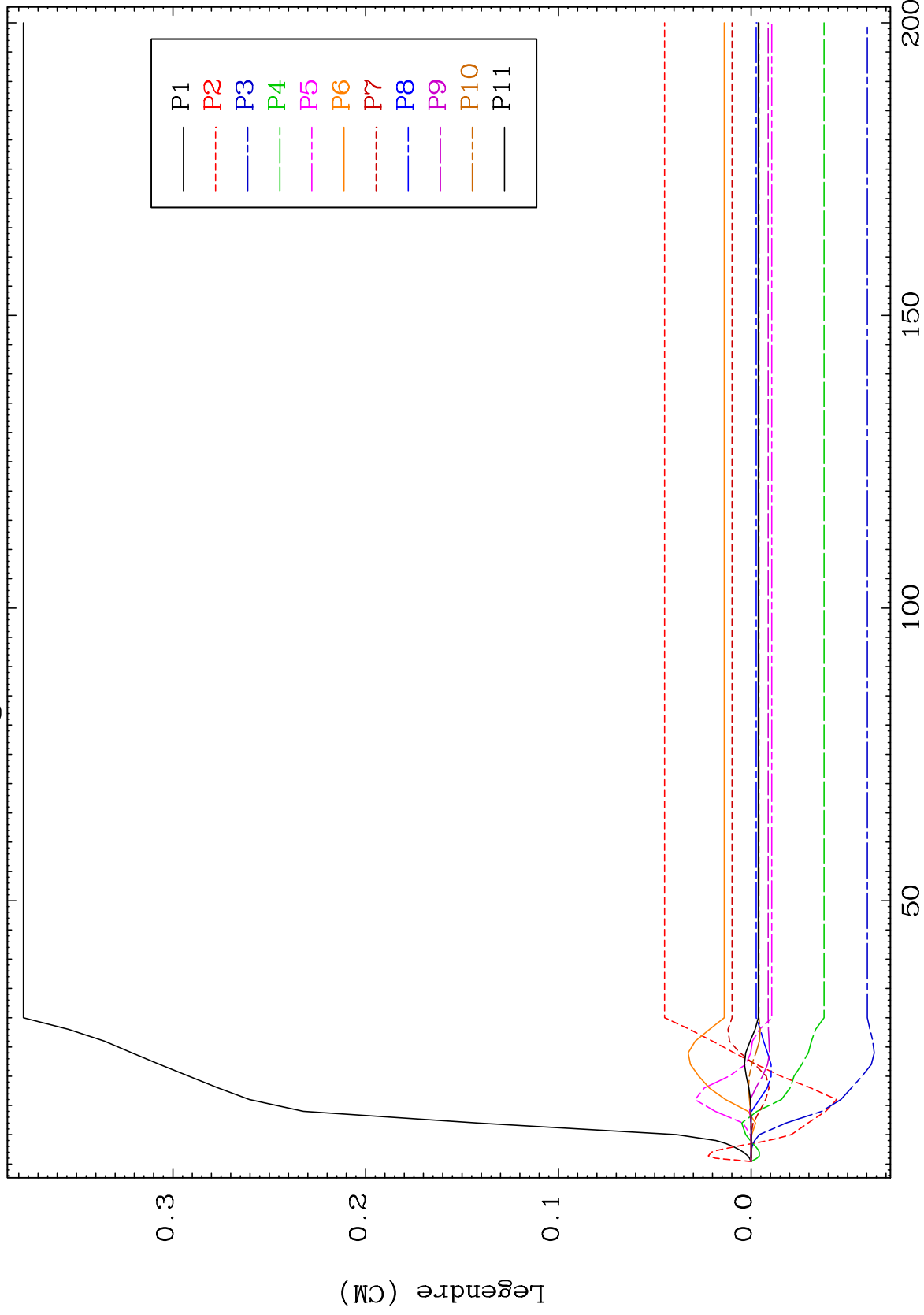
50-Sn-131

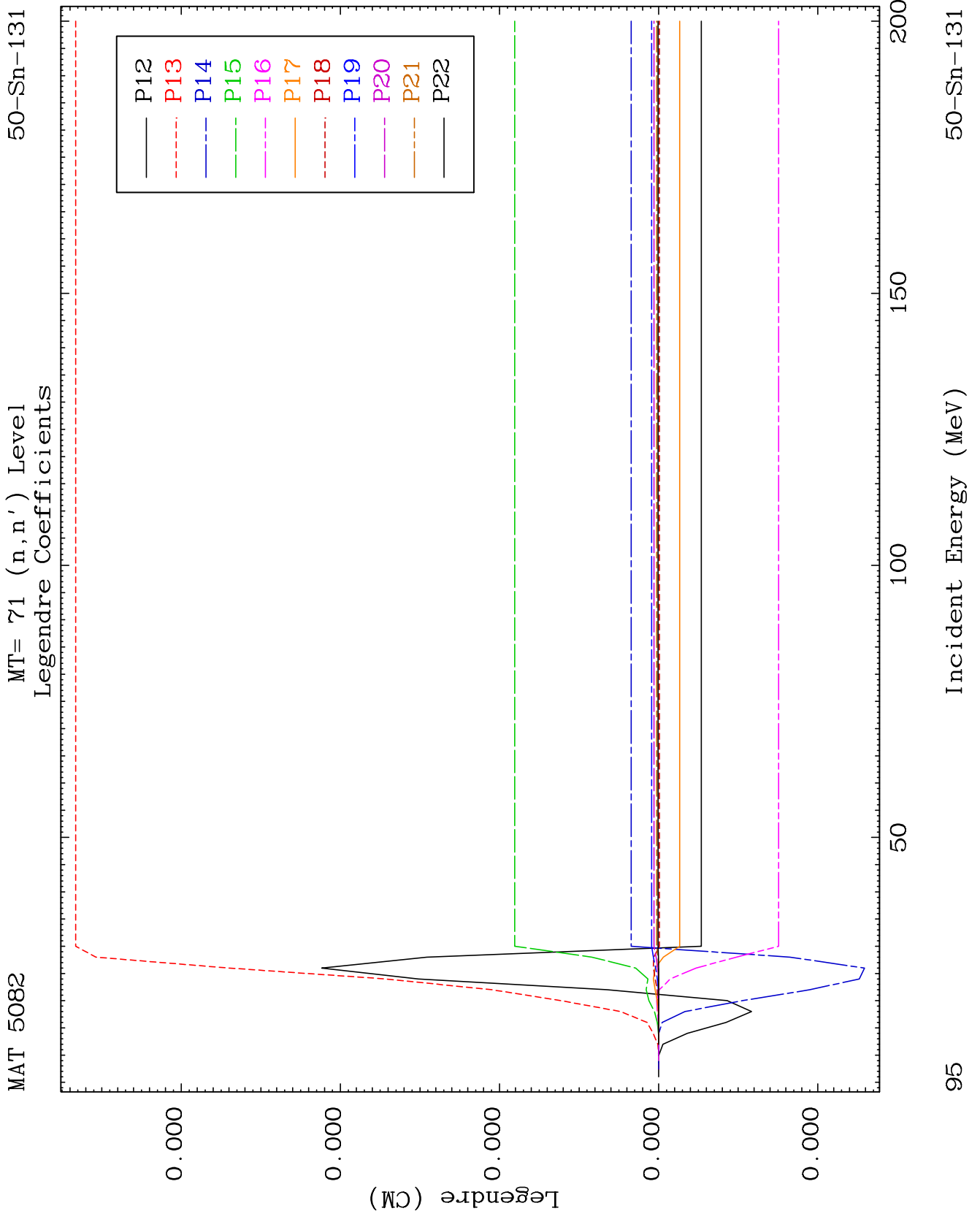


MAT 5082

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

50-Sn-131



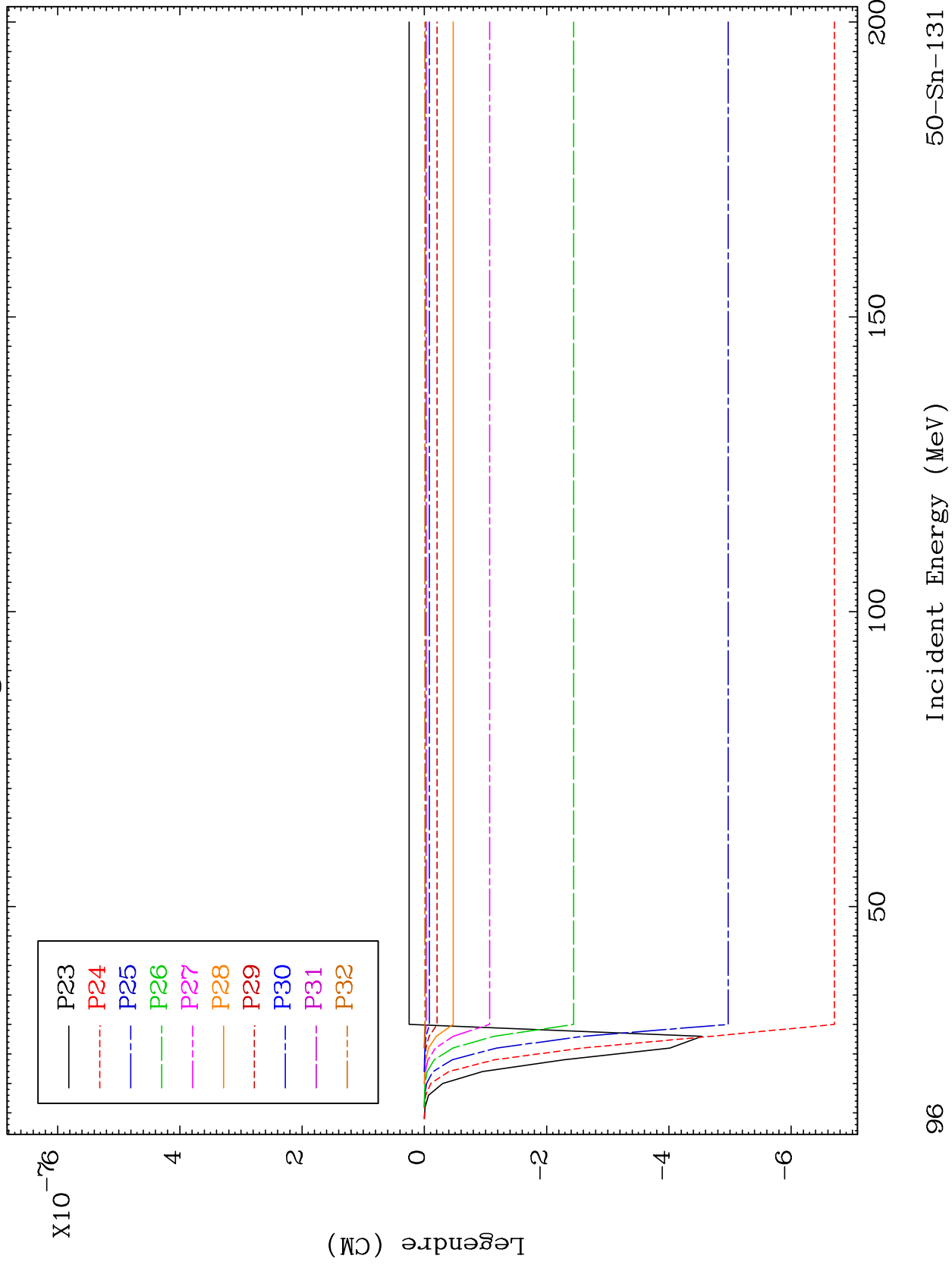




MAT 5082

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

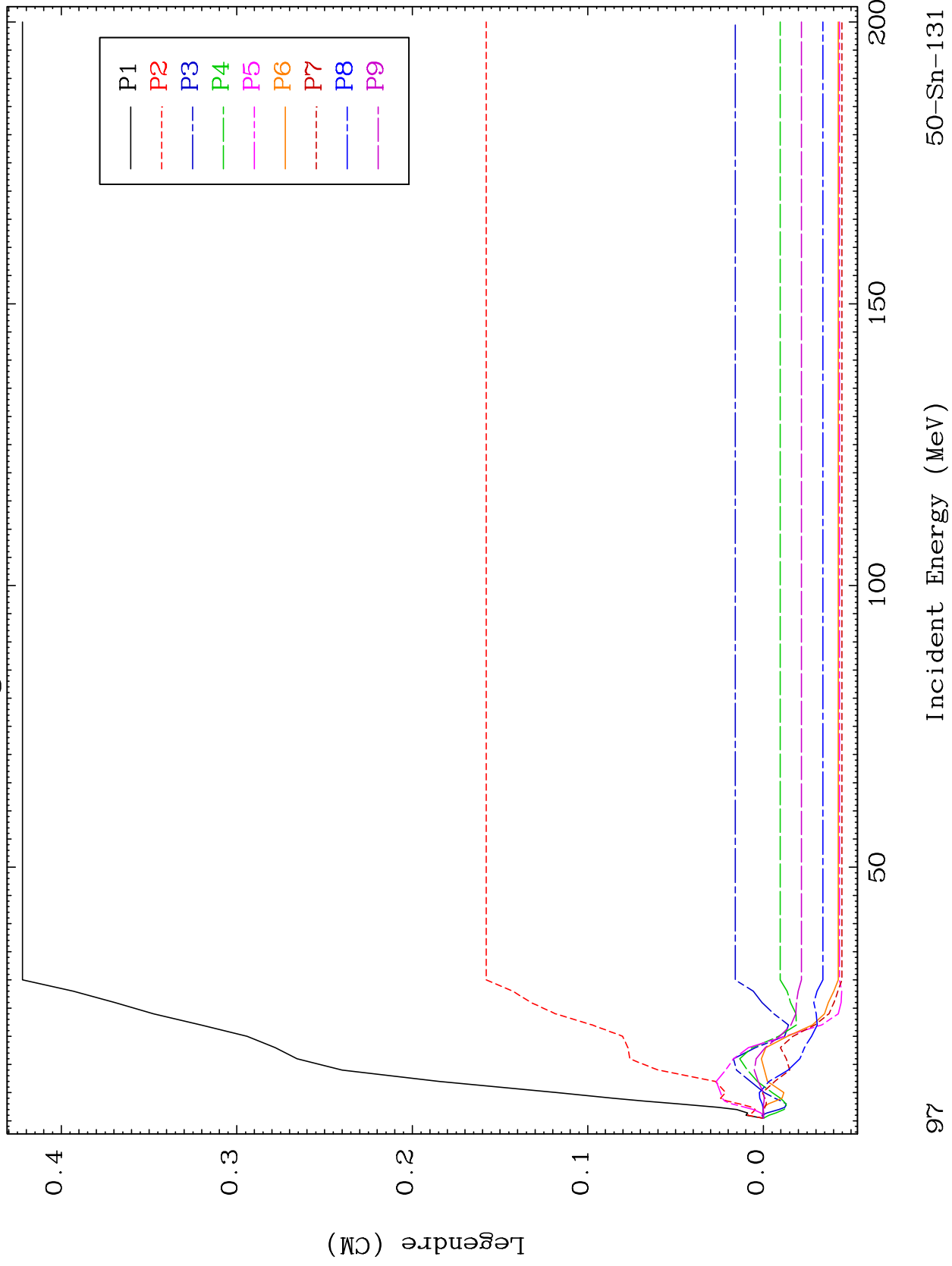
50-Sn-131



MAT 5082

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

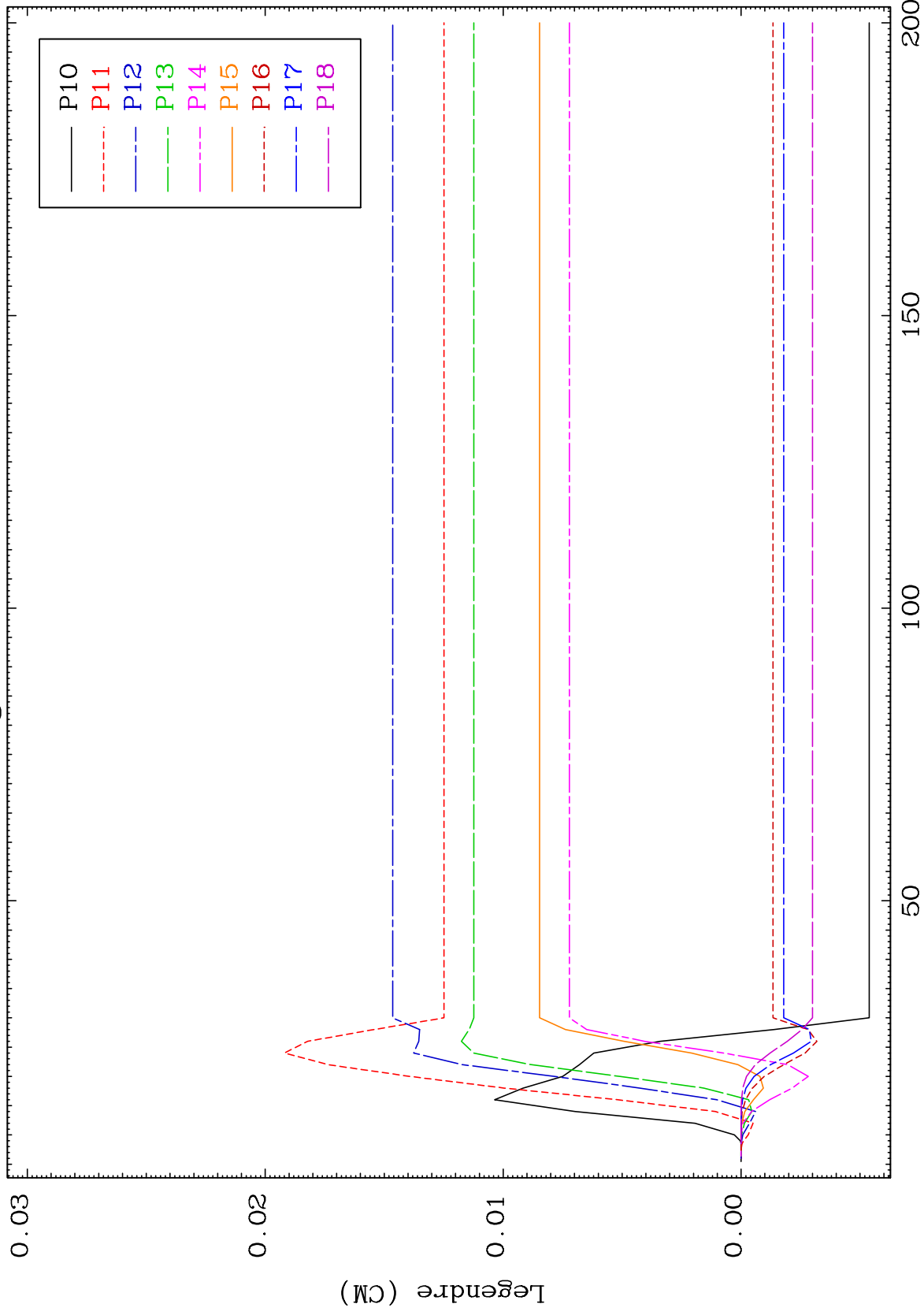
50-Sn-131



MAT 5082

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

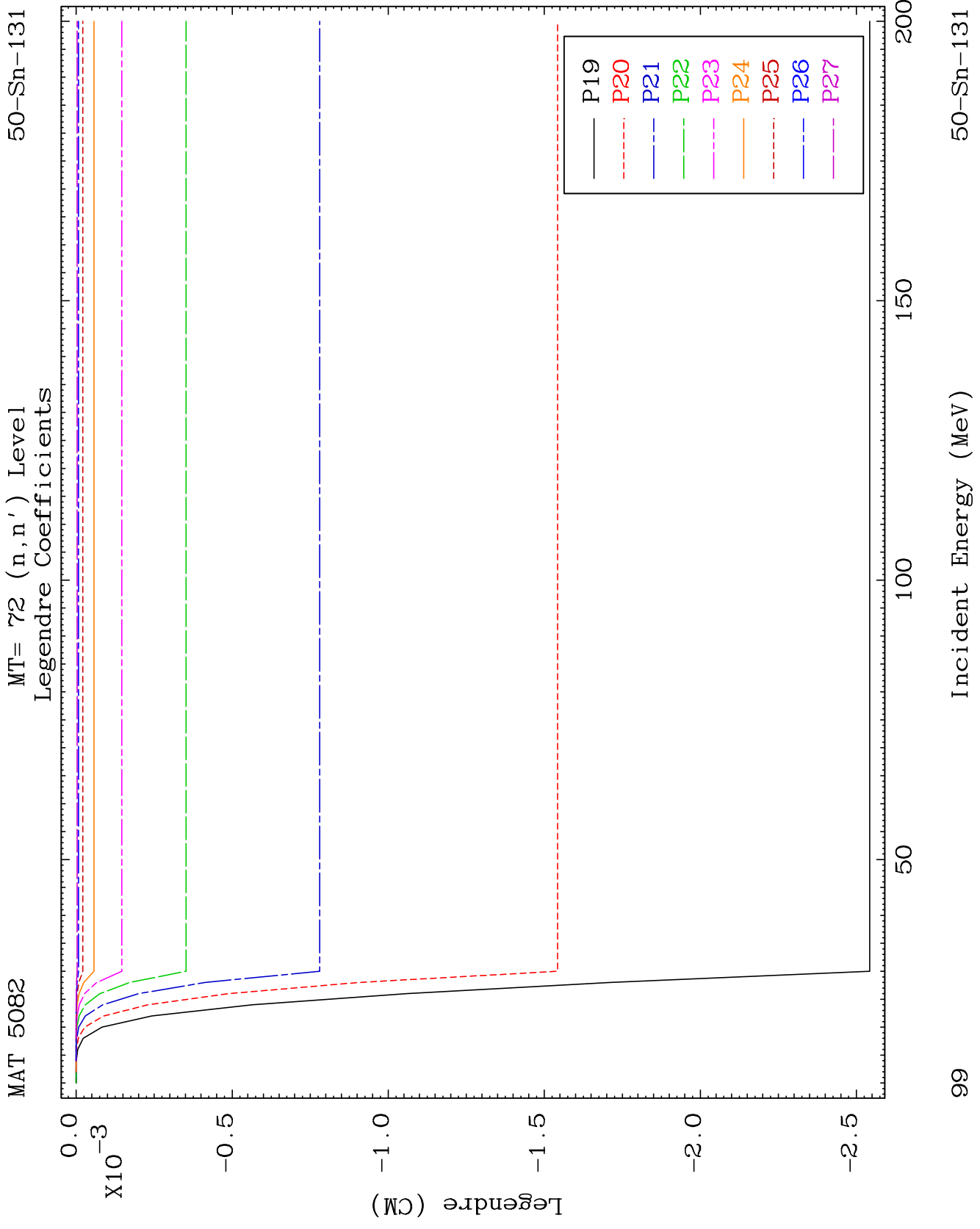
50-Sn-131

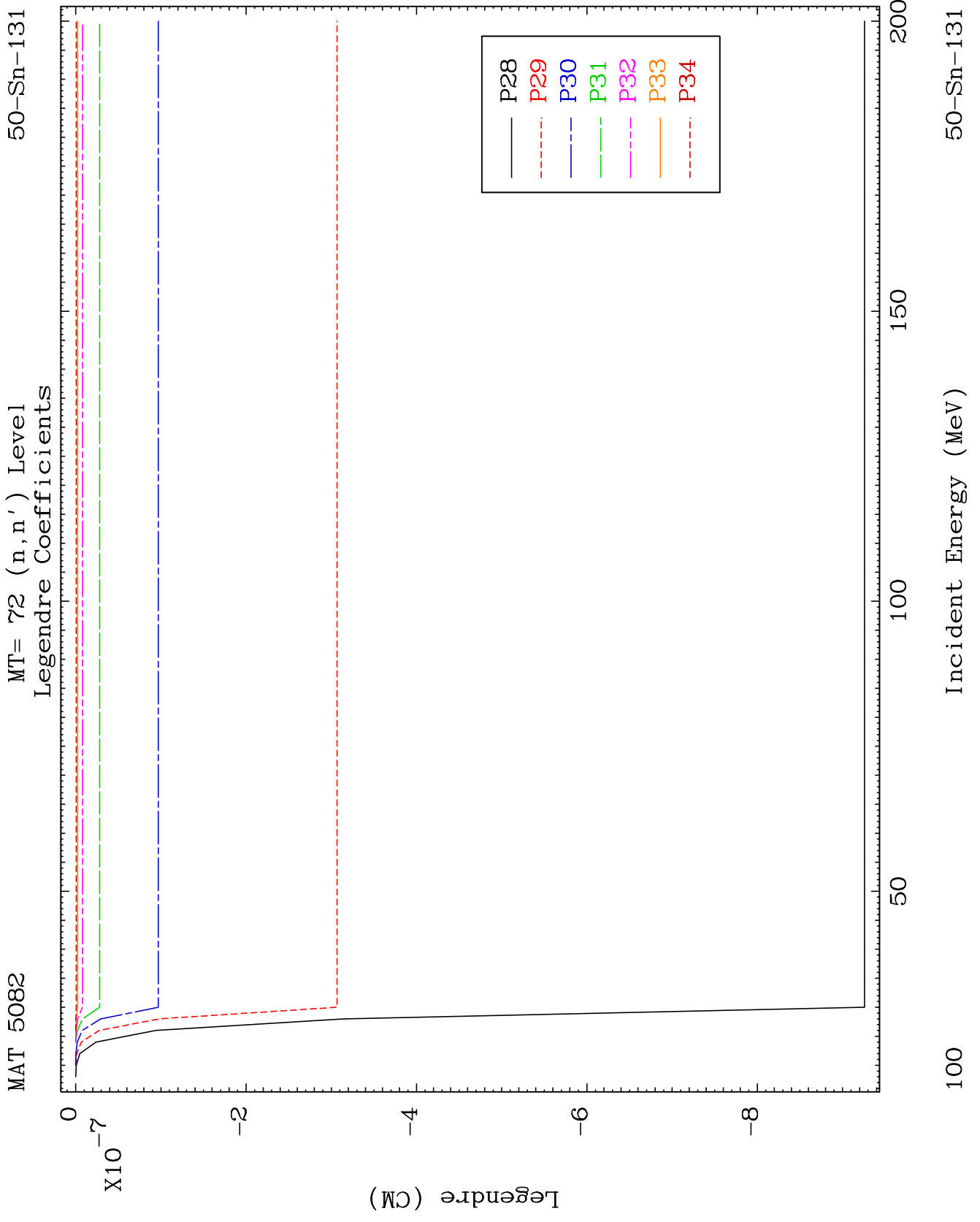


98

Incident Energy (MeV)

50-Sn-131

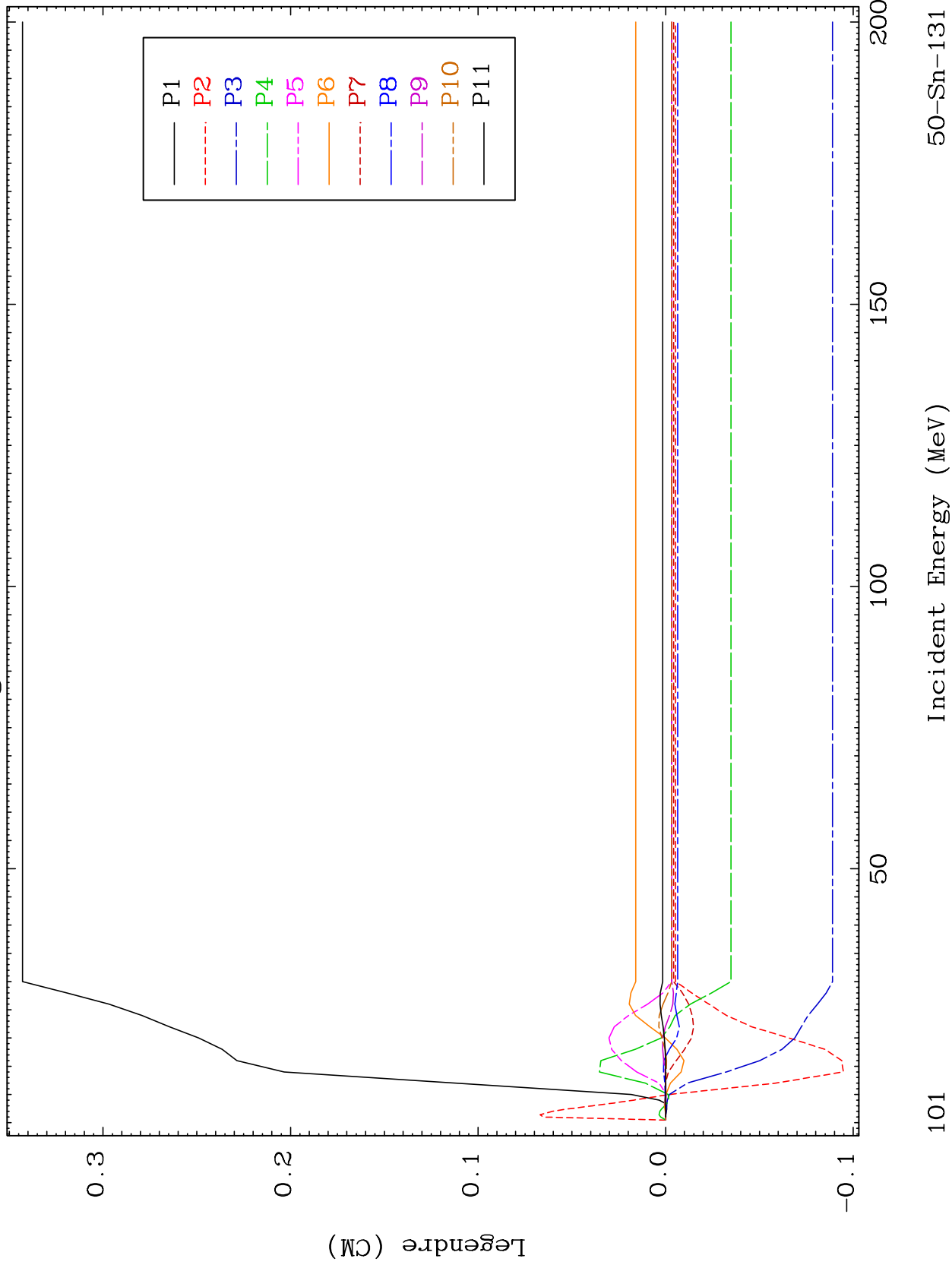




MAT 5082

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

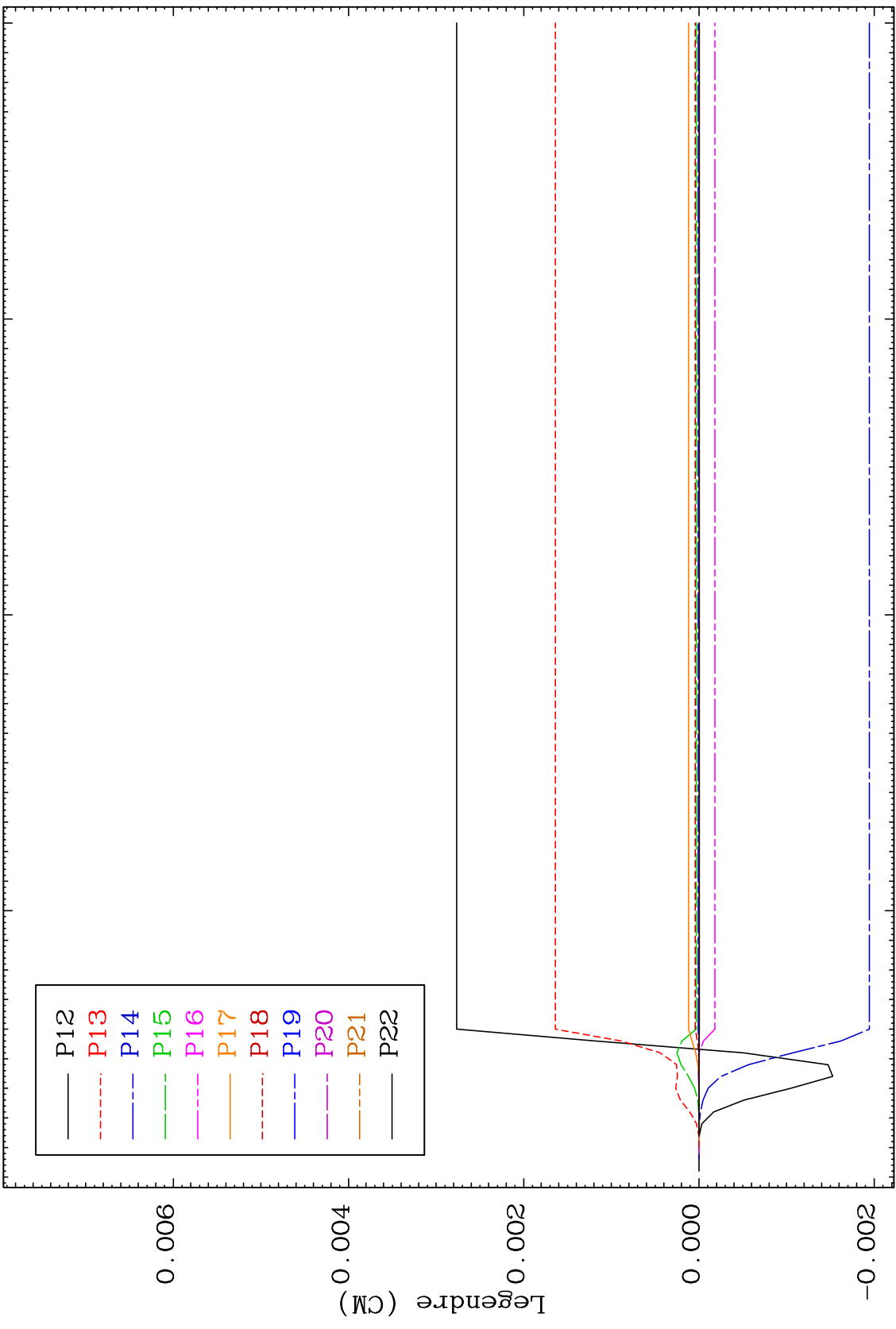
50-Sn-131



MAT 5082

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

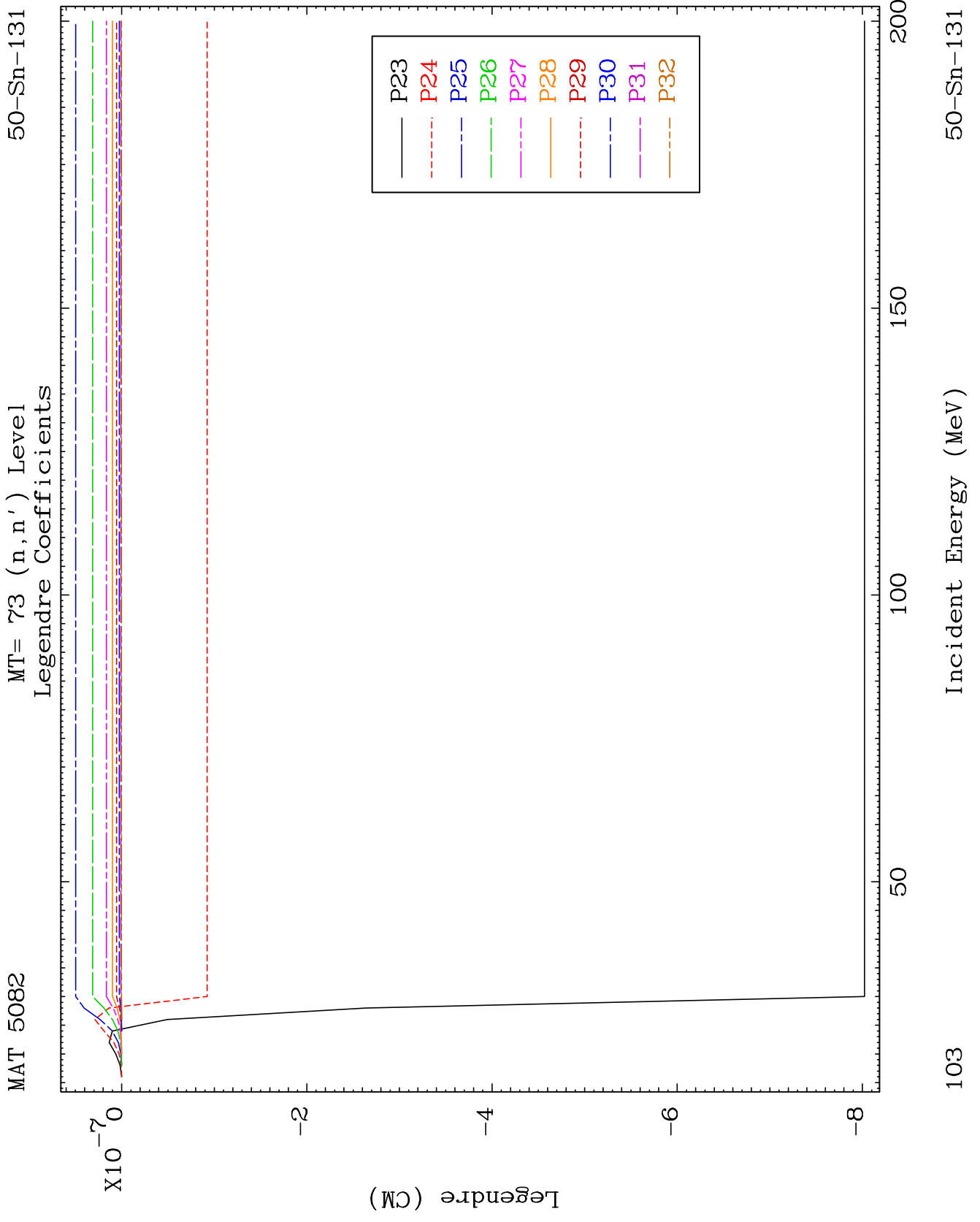
50-Sn-131



102

Incident Energy (MeV)

50-Sn-131

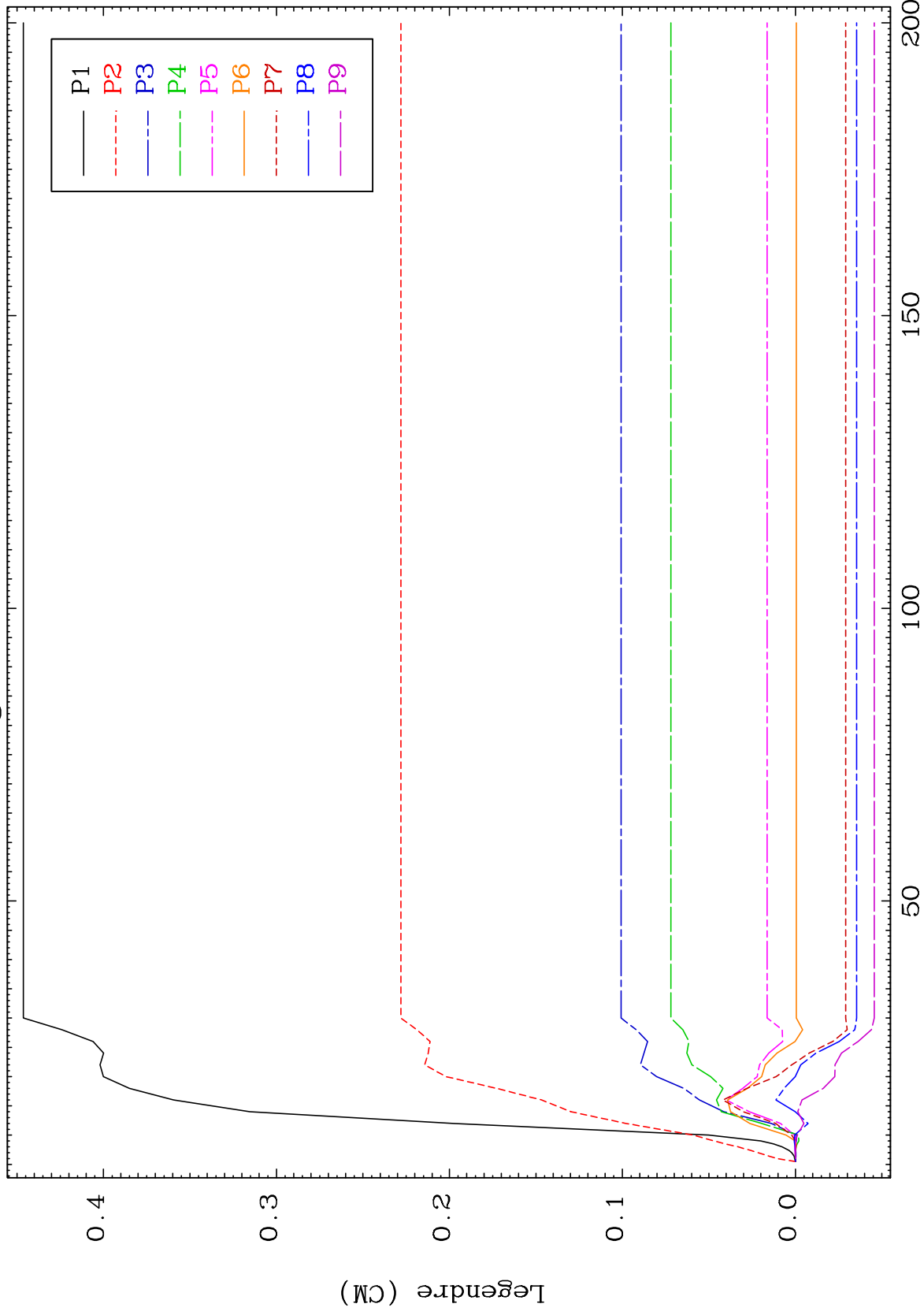




MAT 5082

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

50-Sn-131



104

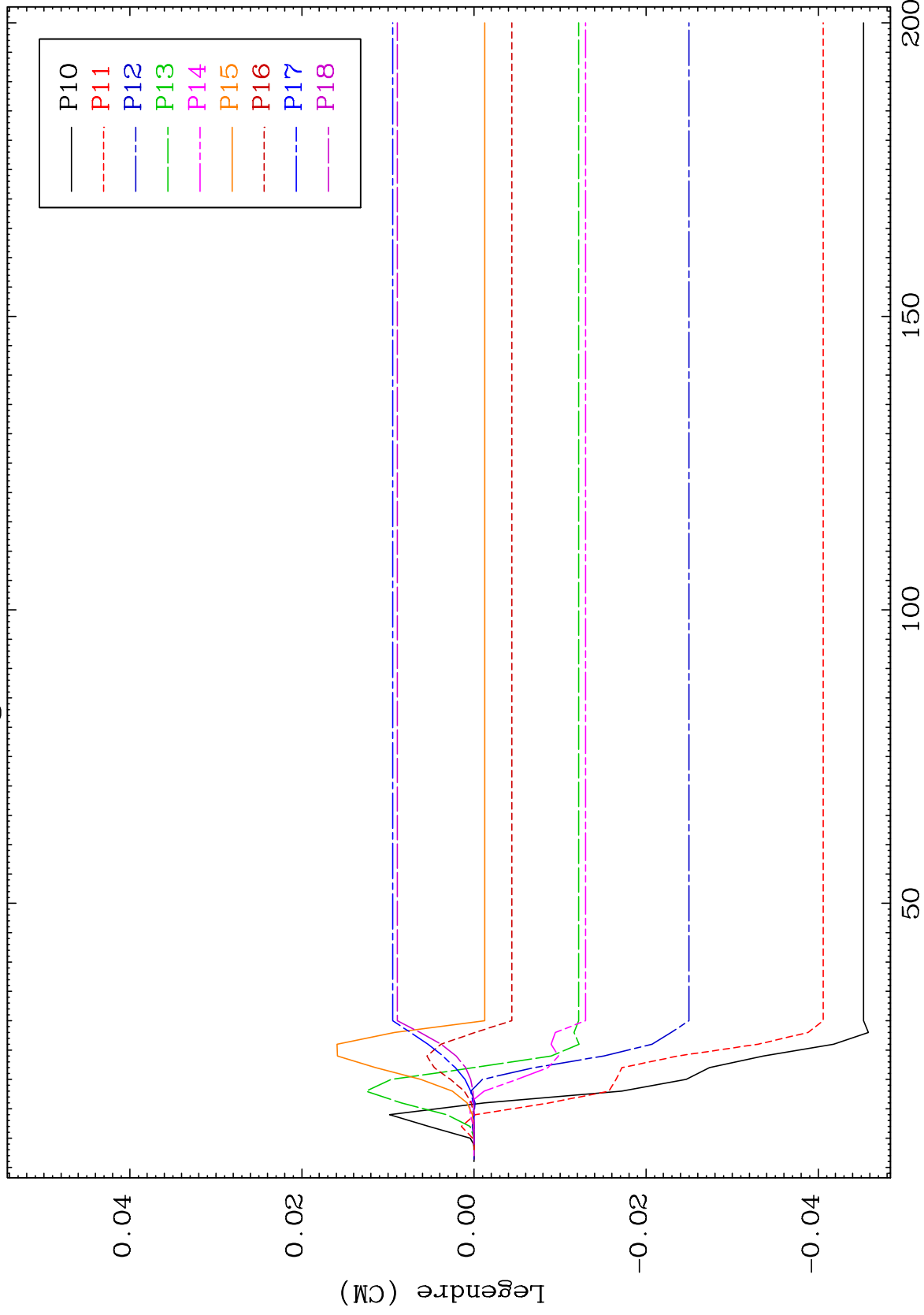
Incident Energy (MeV)

50-Sn-131

MAT 5082

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

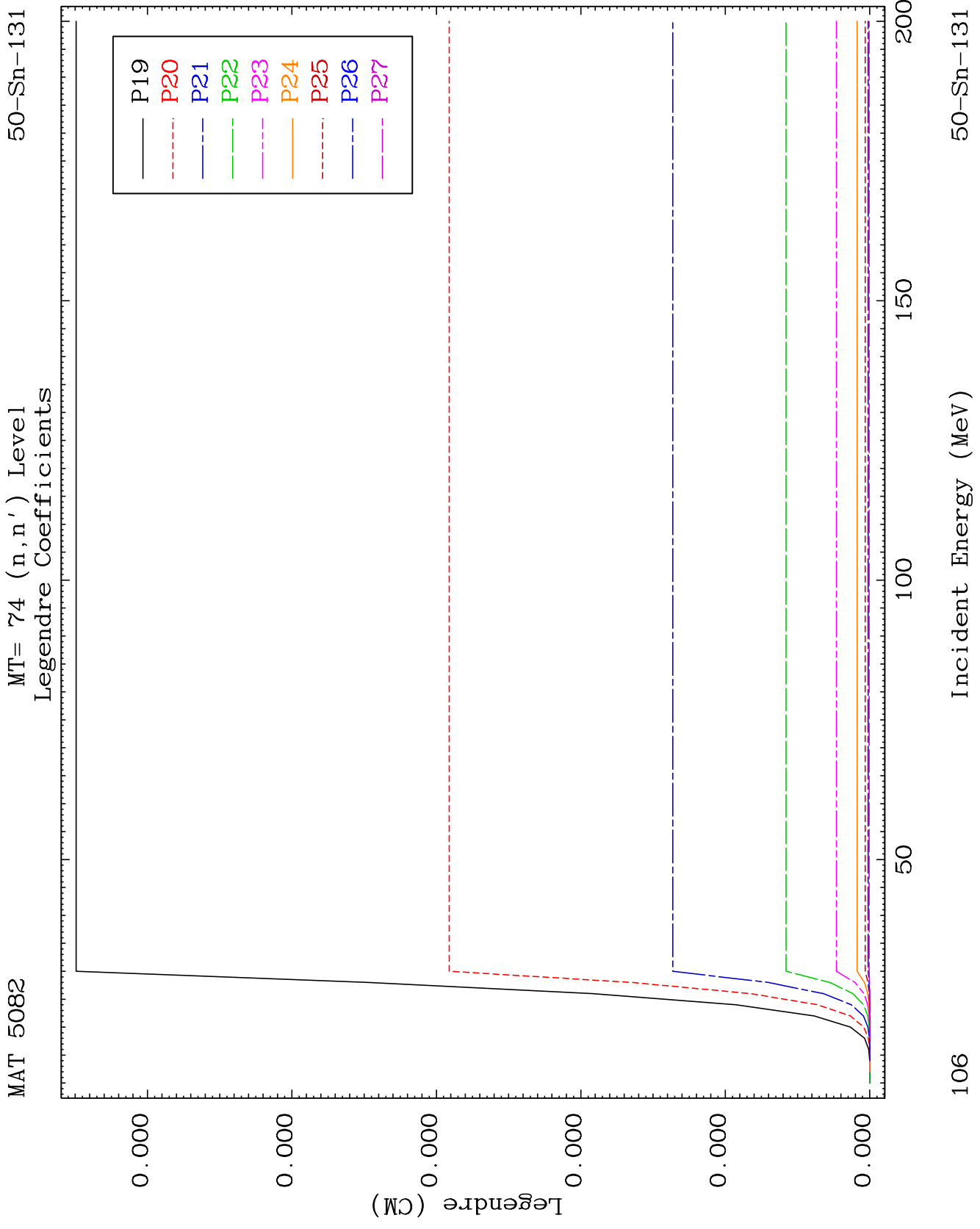
50-Sn-131



105

Incident Energy (MeV)

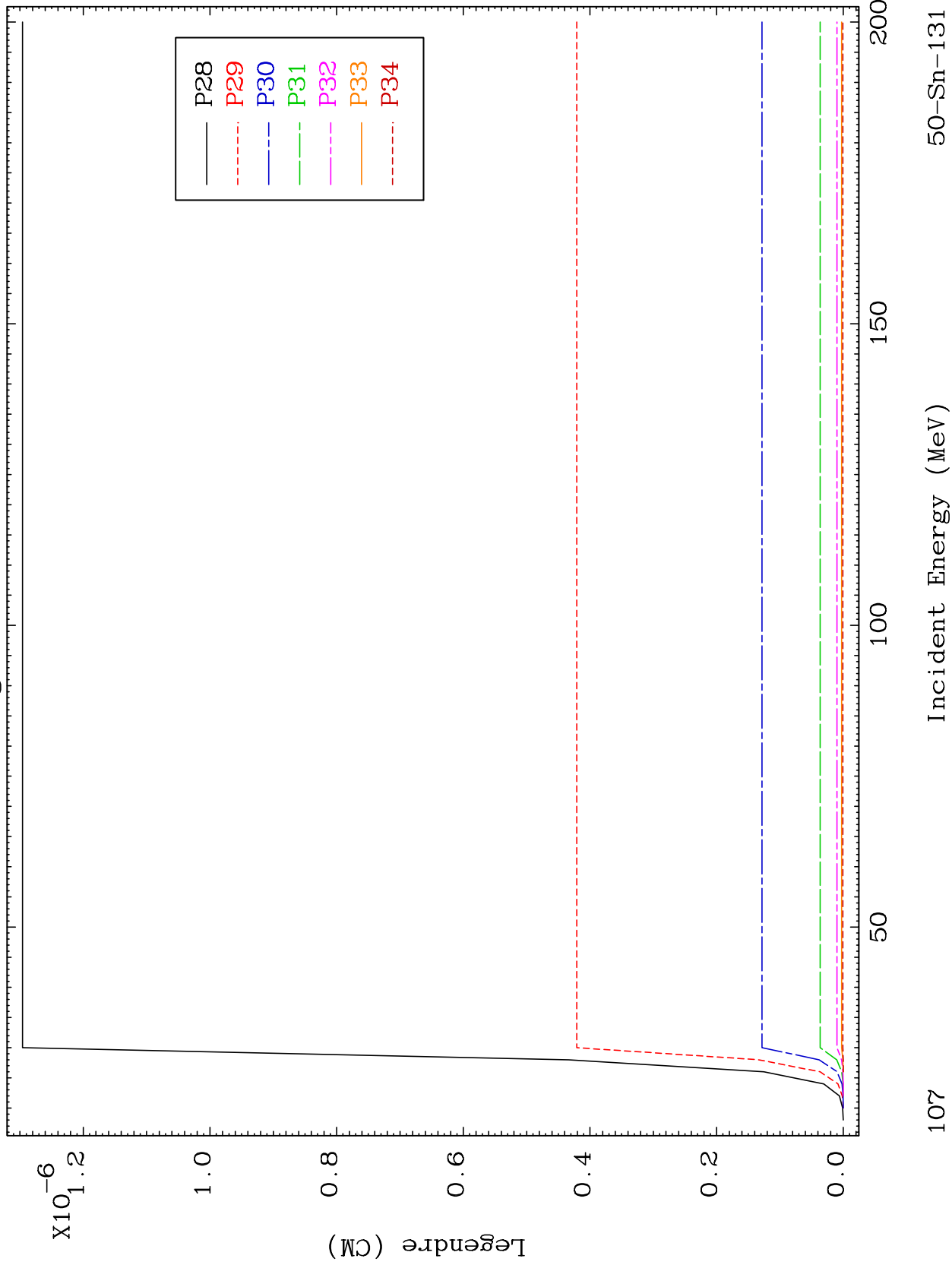
50-Sn-131



MAT 5082

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

50-Sn-131

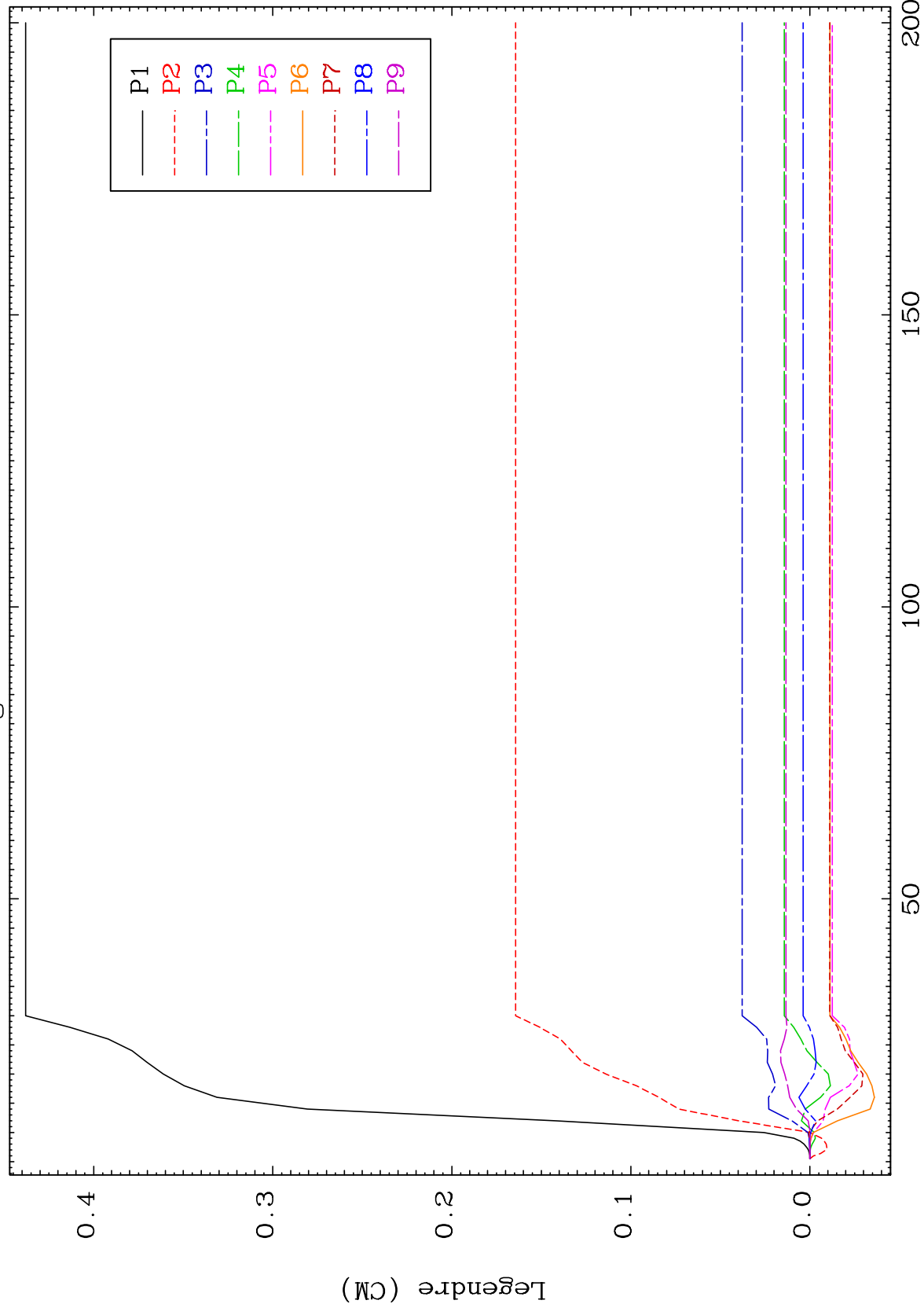


107

MAT 5082

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

50-Sn-131



108

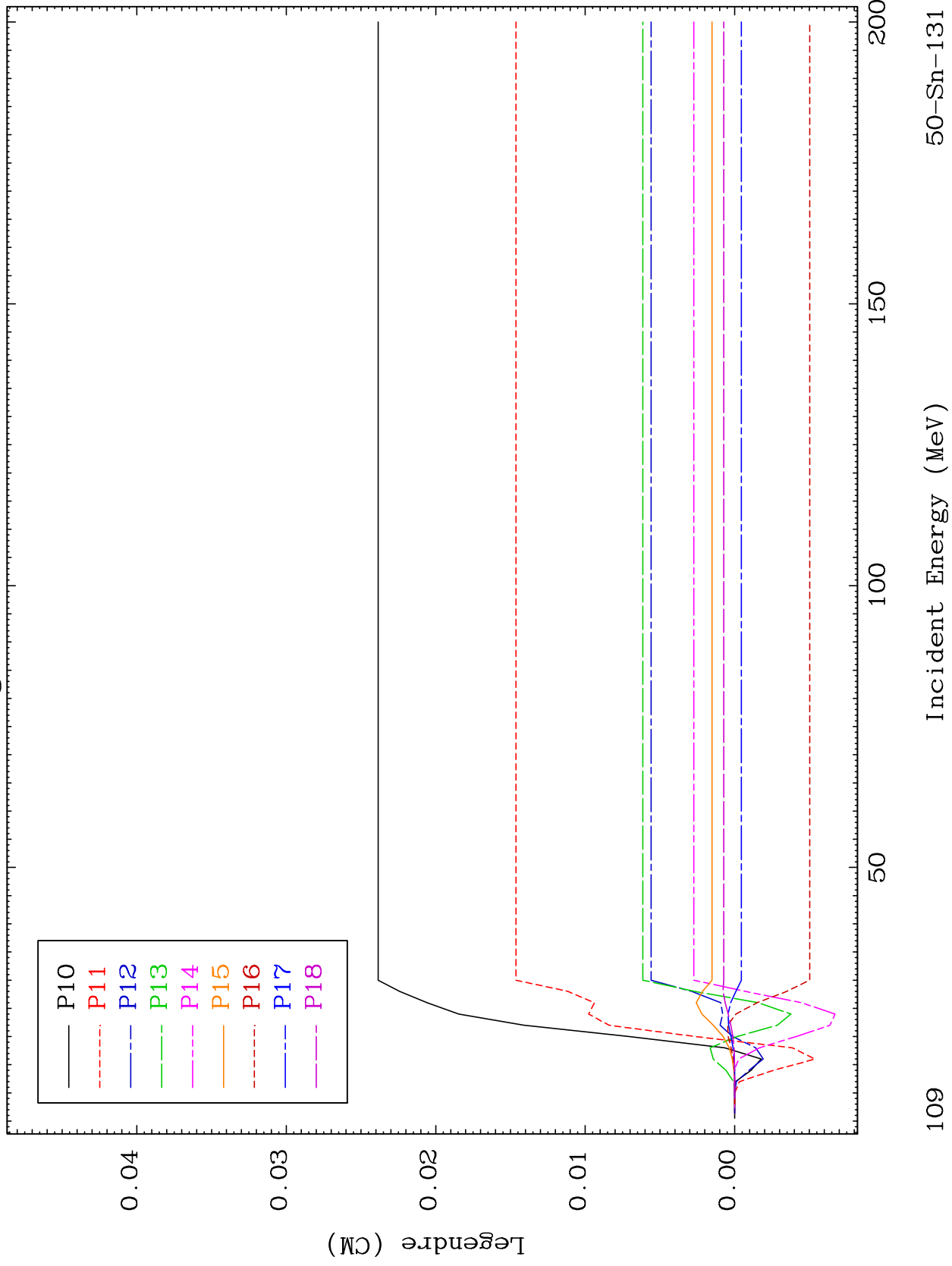
Incident Energy (MeV)

50-Sn-131

MAT 5082

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

50-Sn-131



109

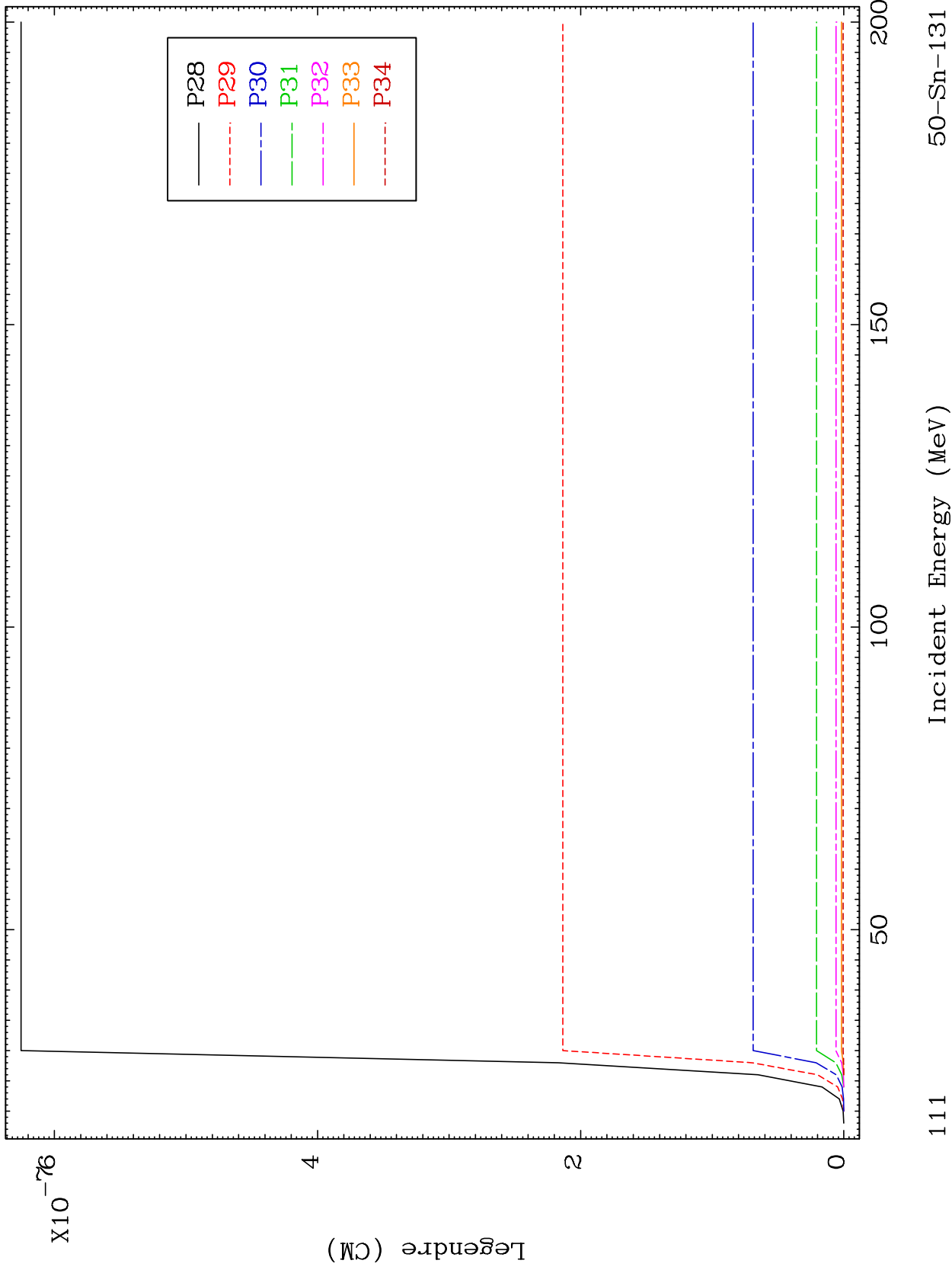
50-Sn-131



MAT 5082

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

50-Sn-131



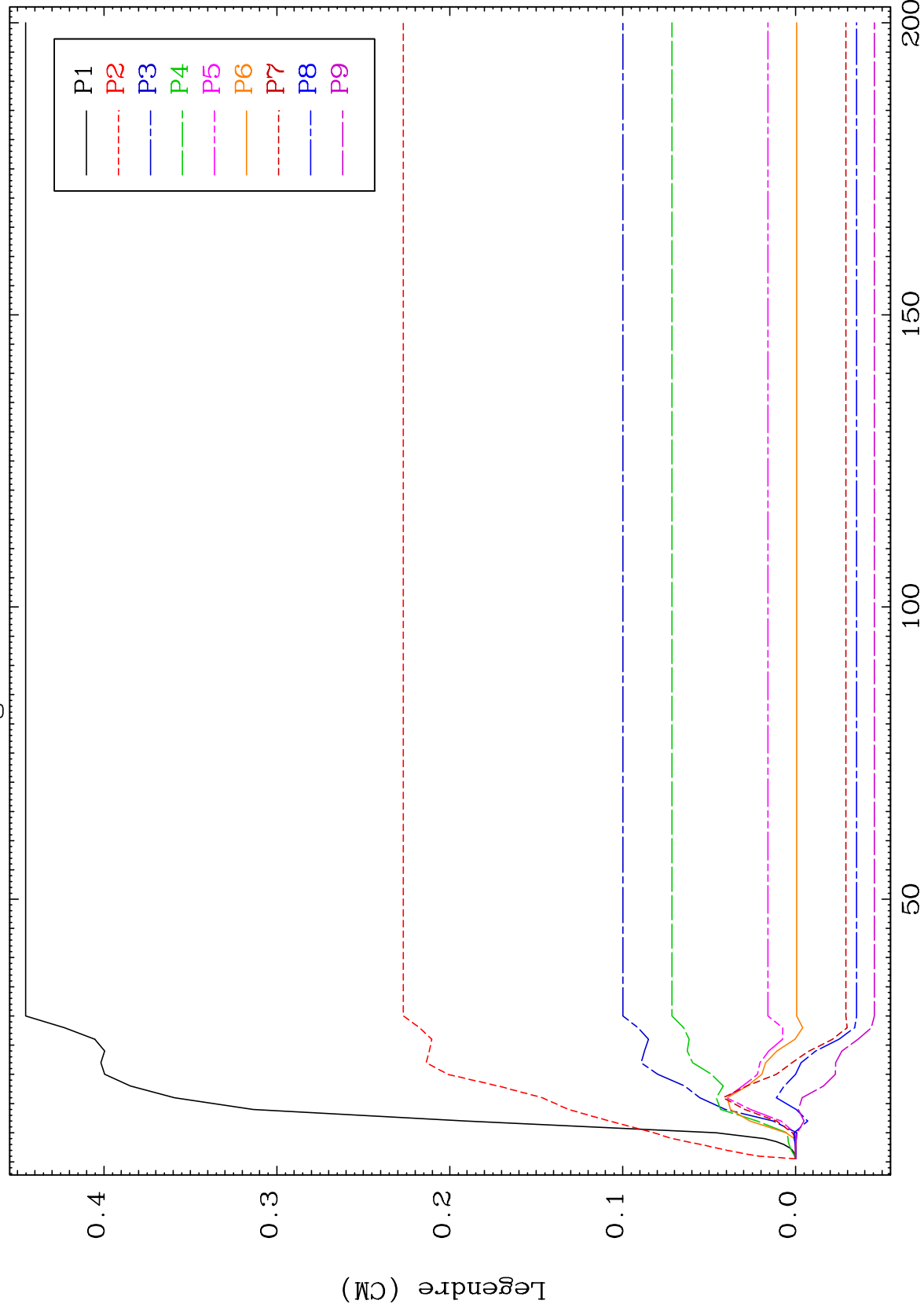
111



MAT 5082

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

50-Sn-131



112

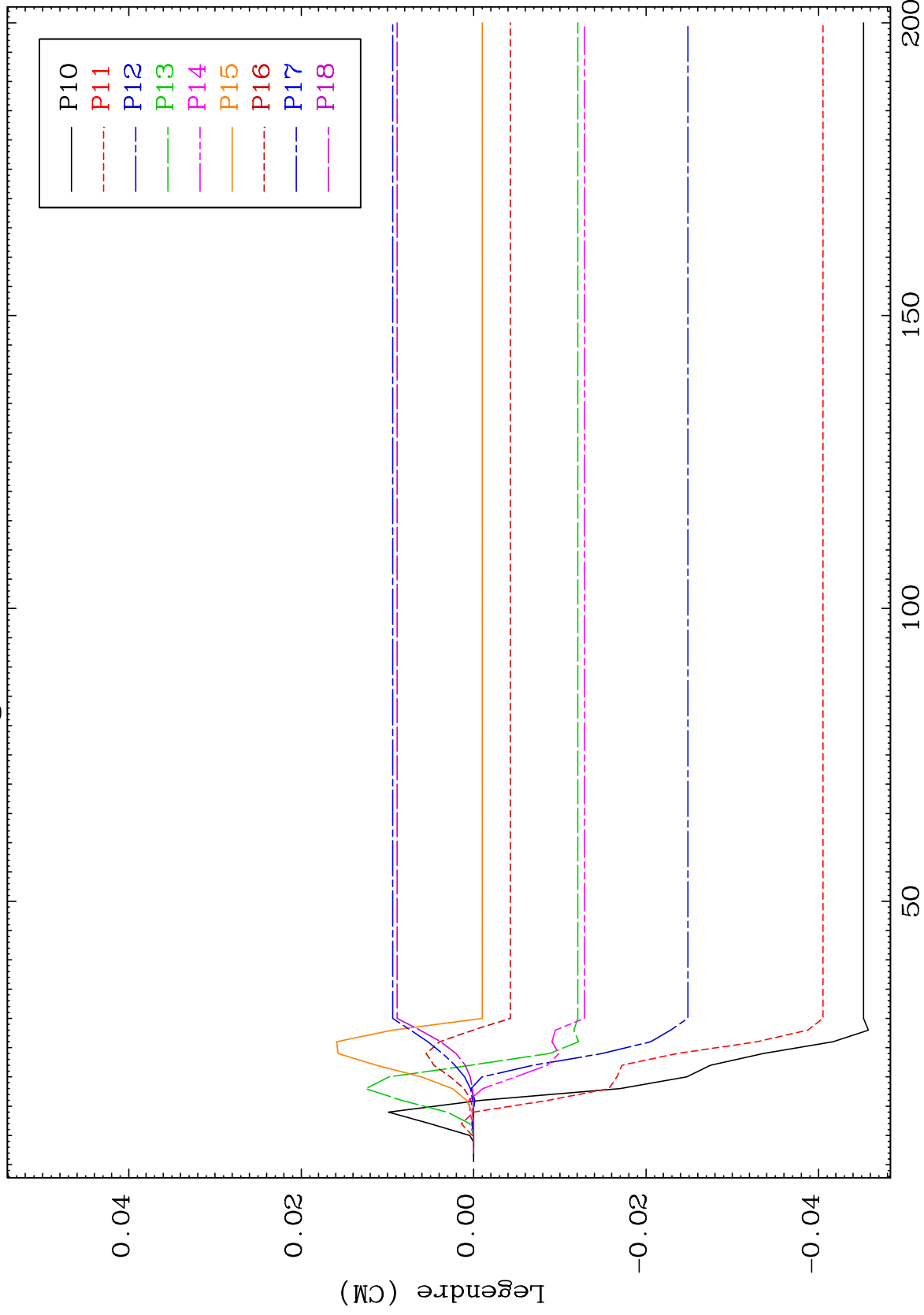
Incident Energy (MeV)

50-Sn-131

MAT 5082

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

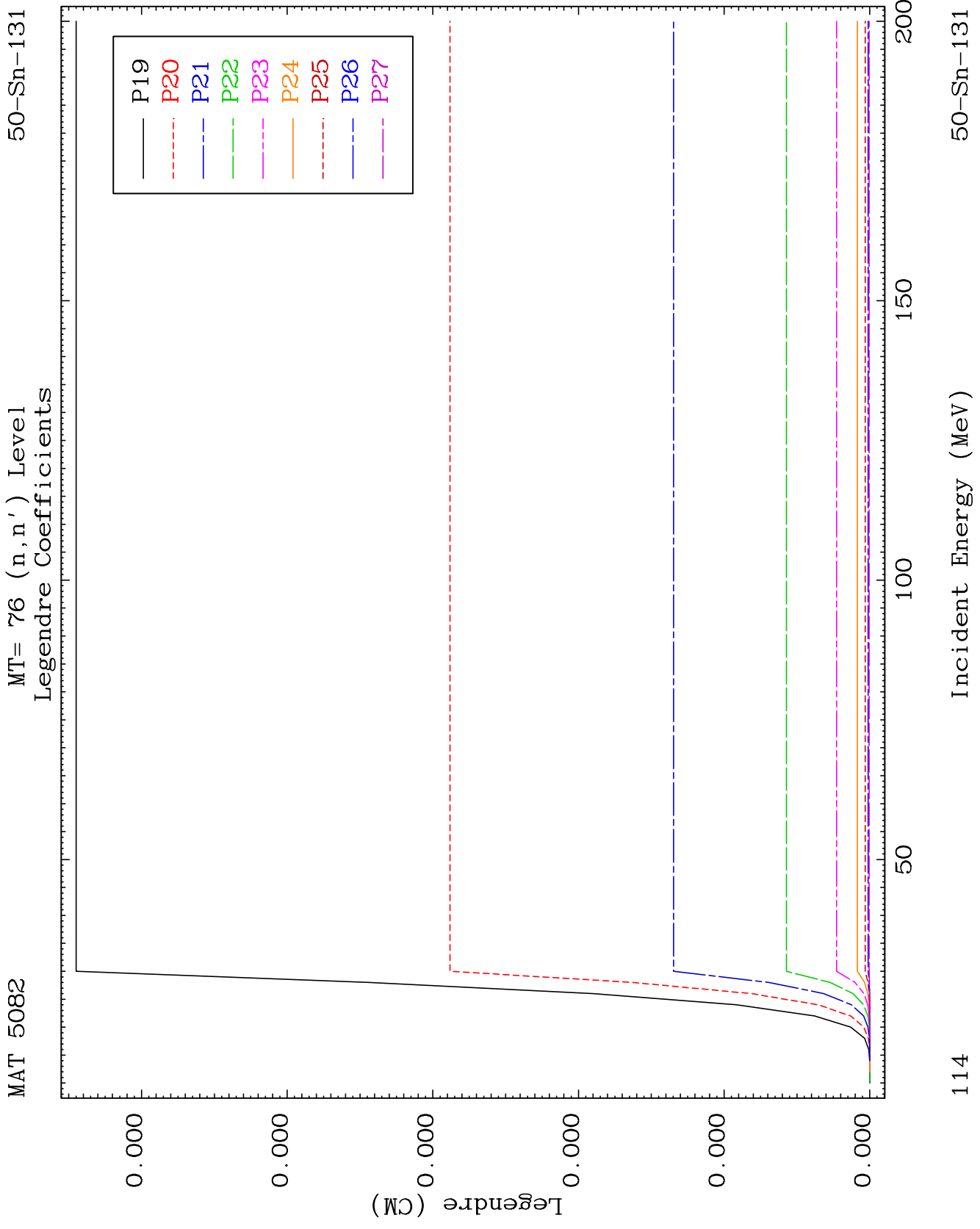
50-Sn-131



113

Incident Energy (MeV)

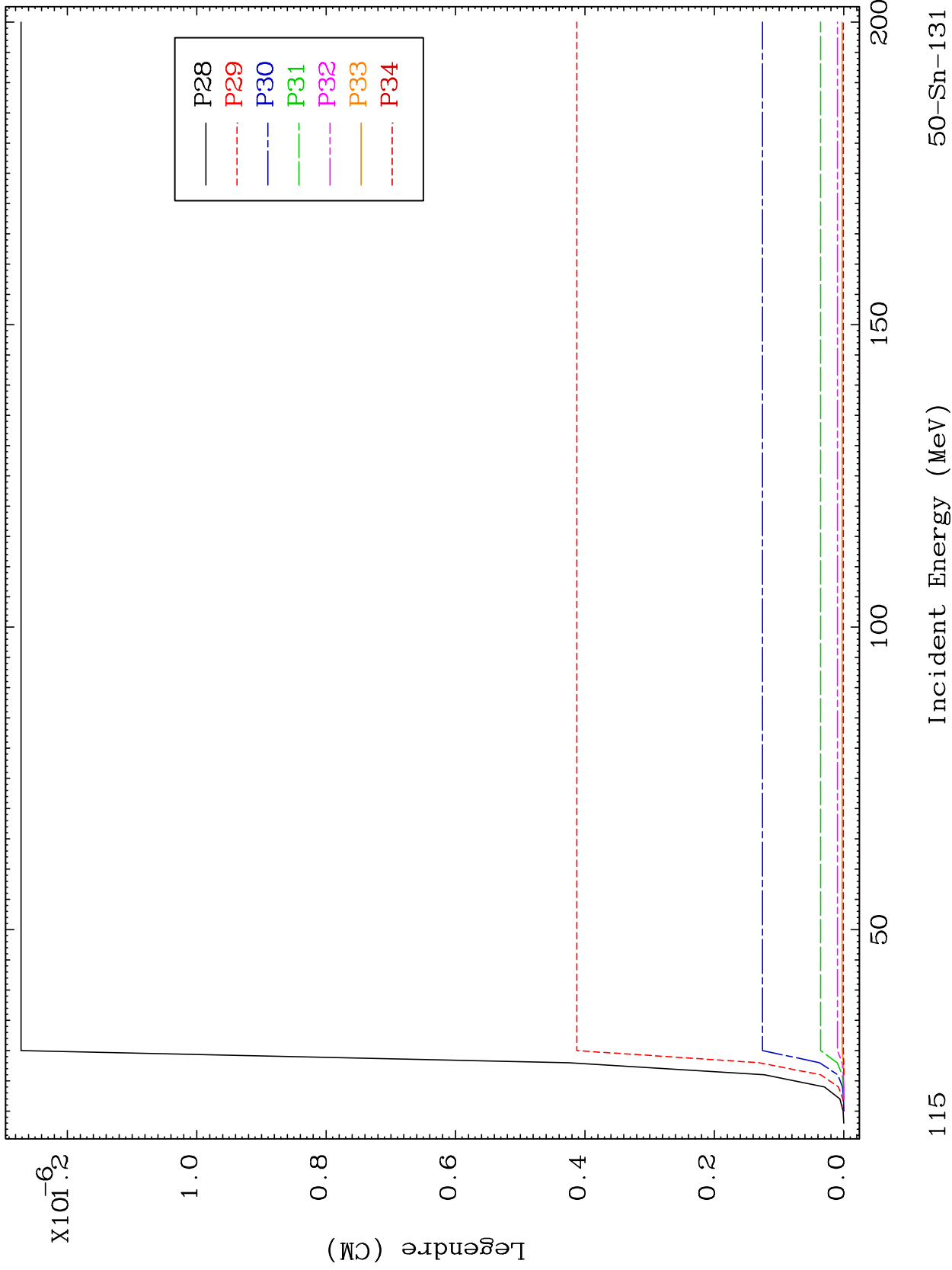
50-Sn-131



MAT 5082

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

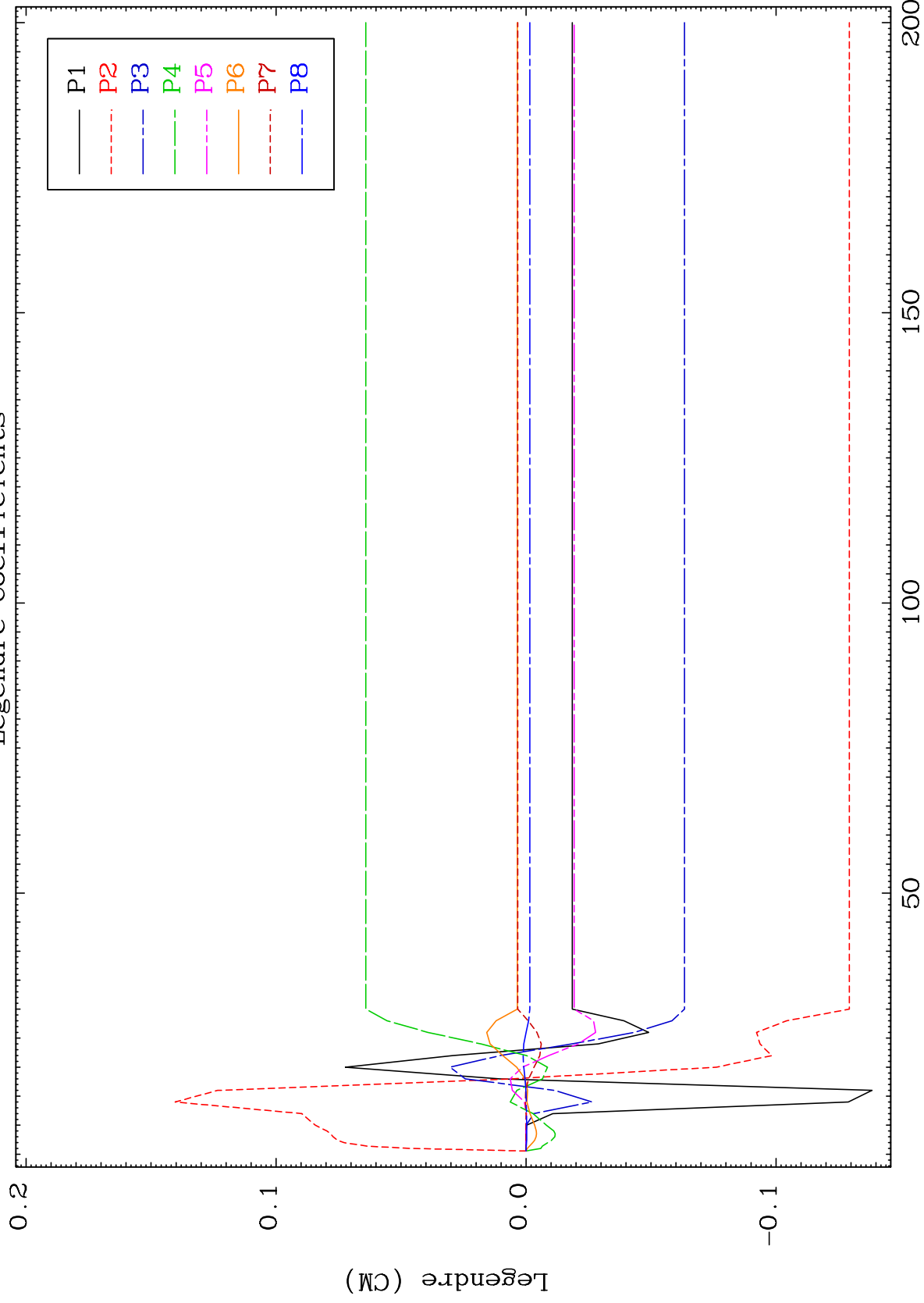
50-Sn-131



MAT 5082

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

50-Sn-131



116

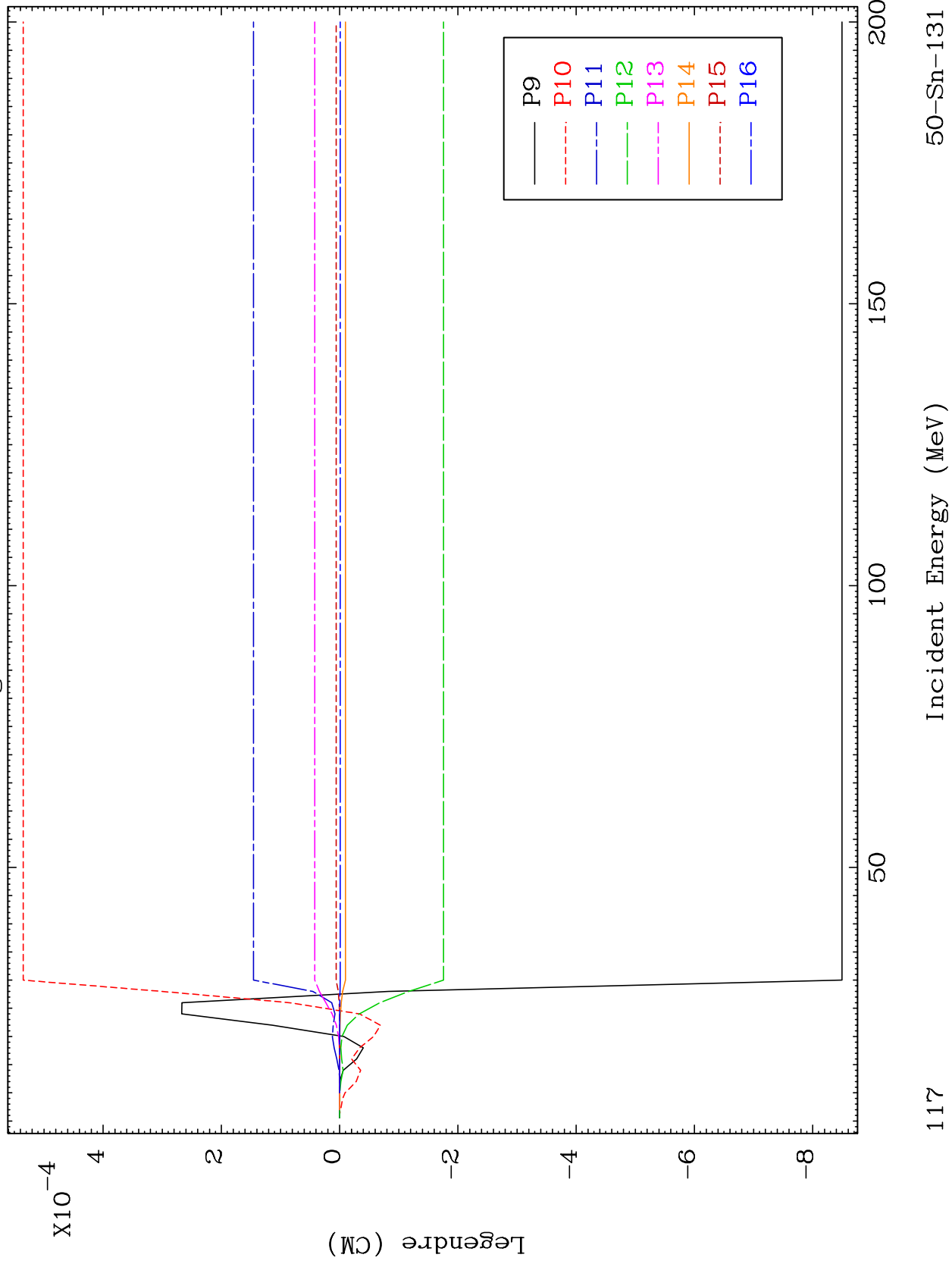
Incident Energy (MeV)

50-Sn-131

MAT 5082

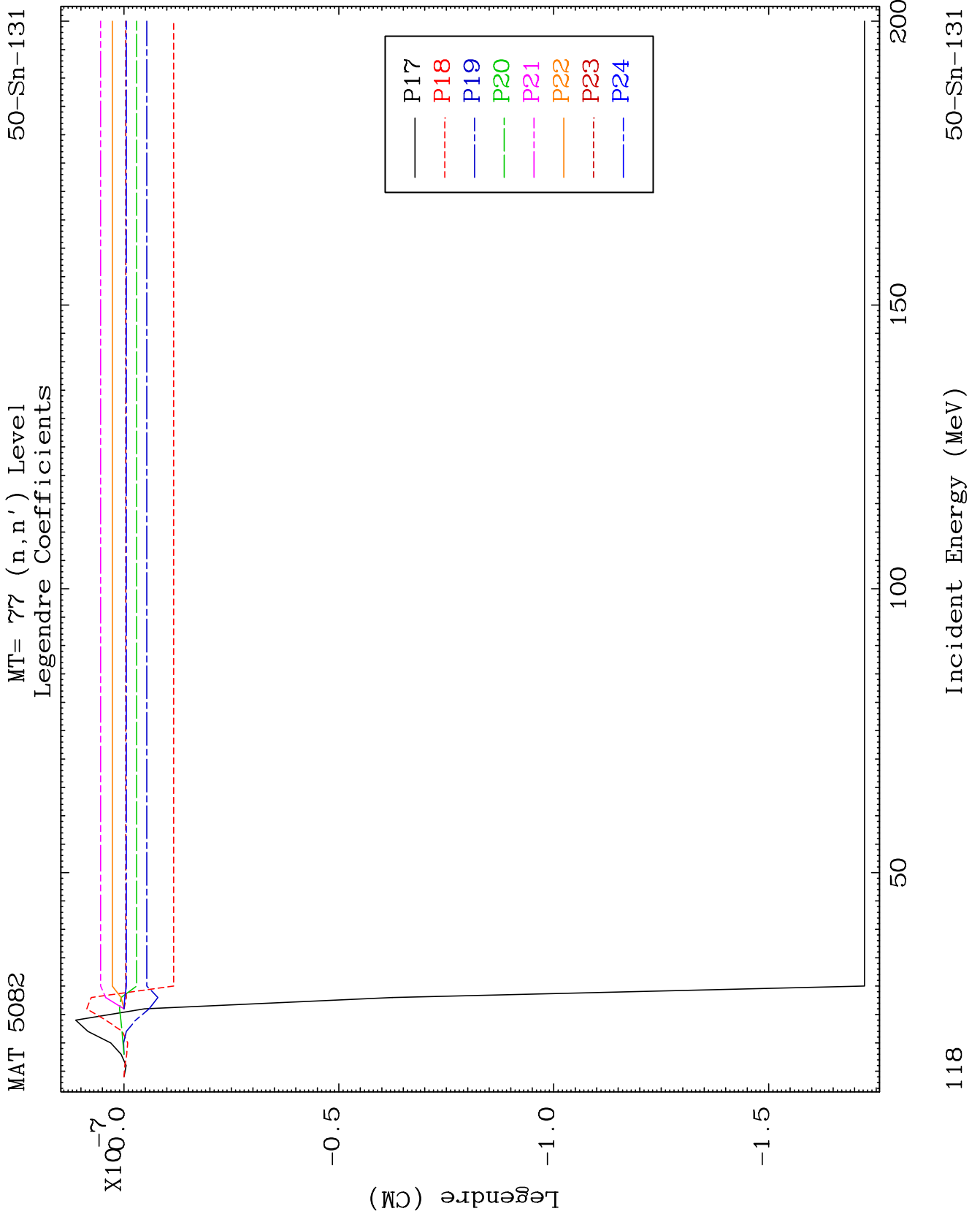
MT= 77 (n,n') Level  
Legendre Coefficients

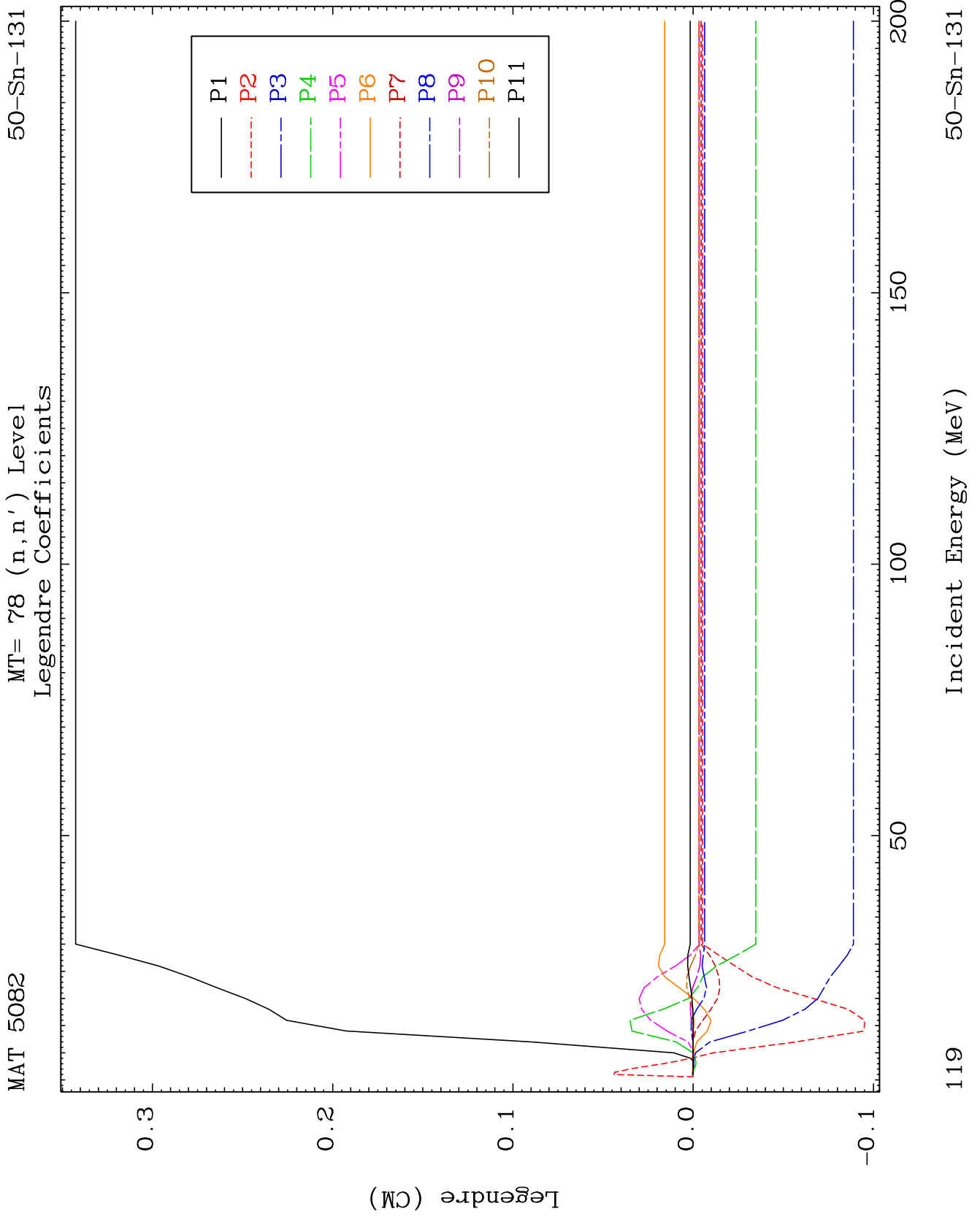
50-Sn-131



117

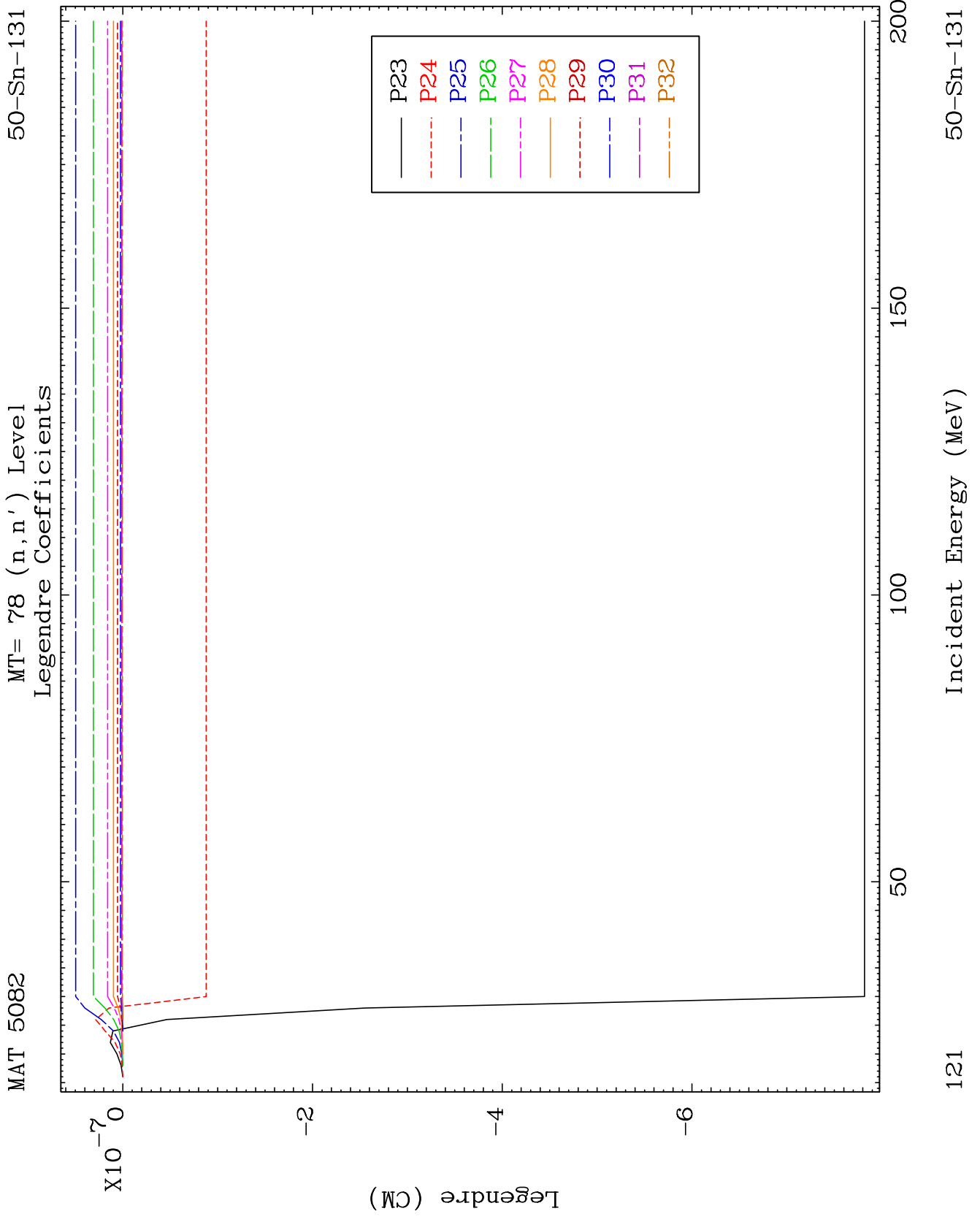
50-Sn-131







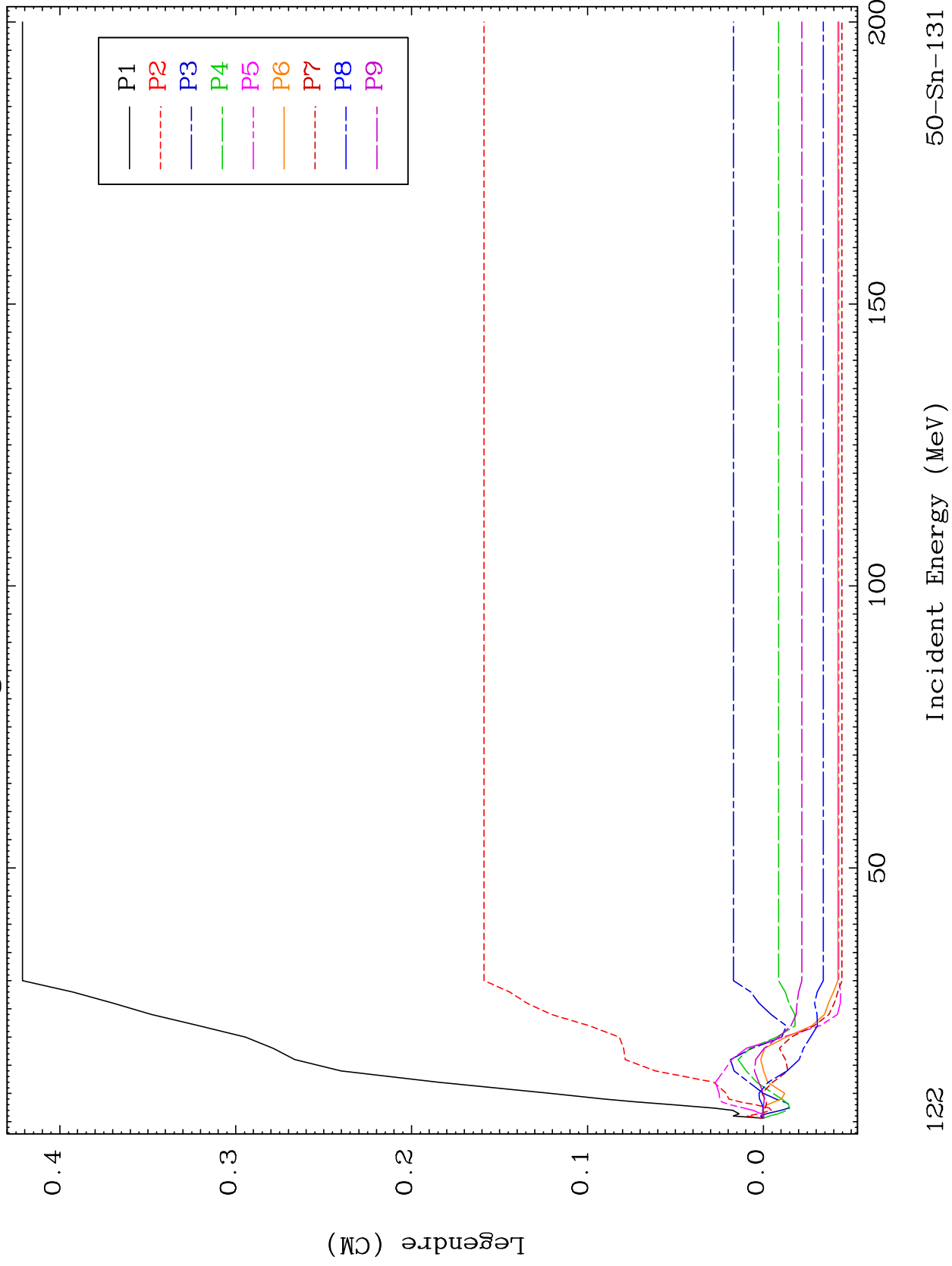




MAT 5082

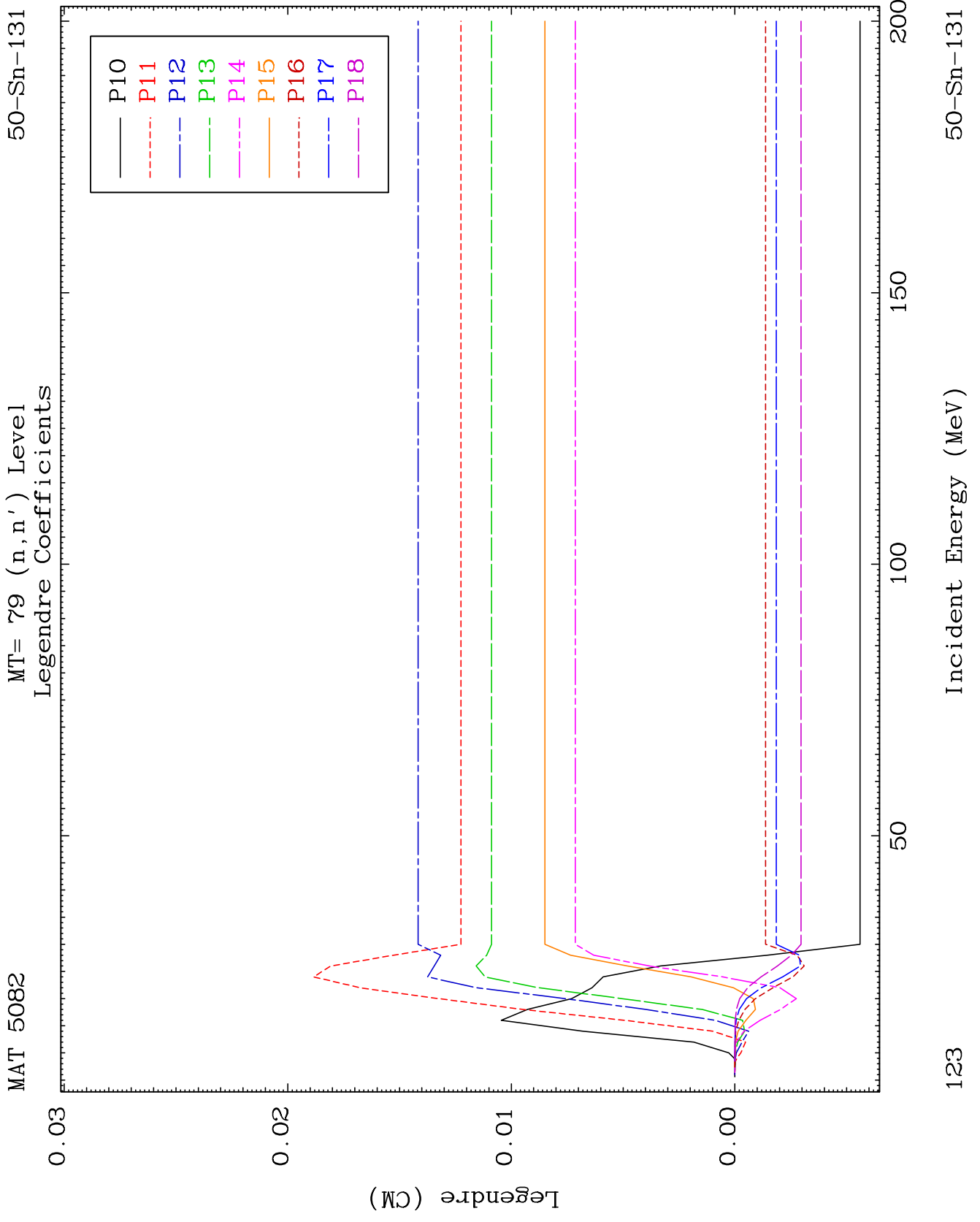
MT= 79 (n,n') Level  
Legendre Coefficients

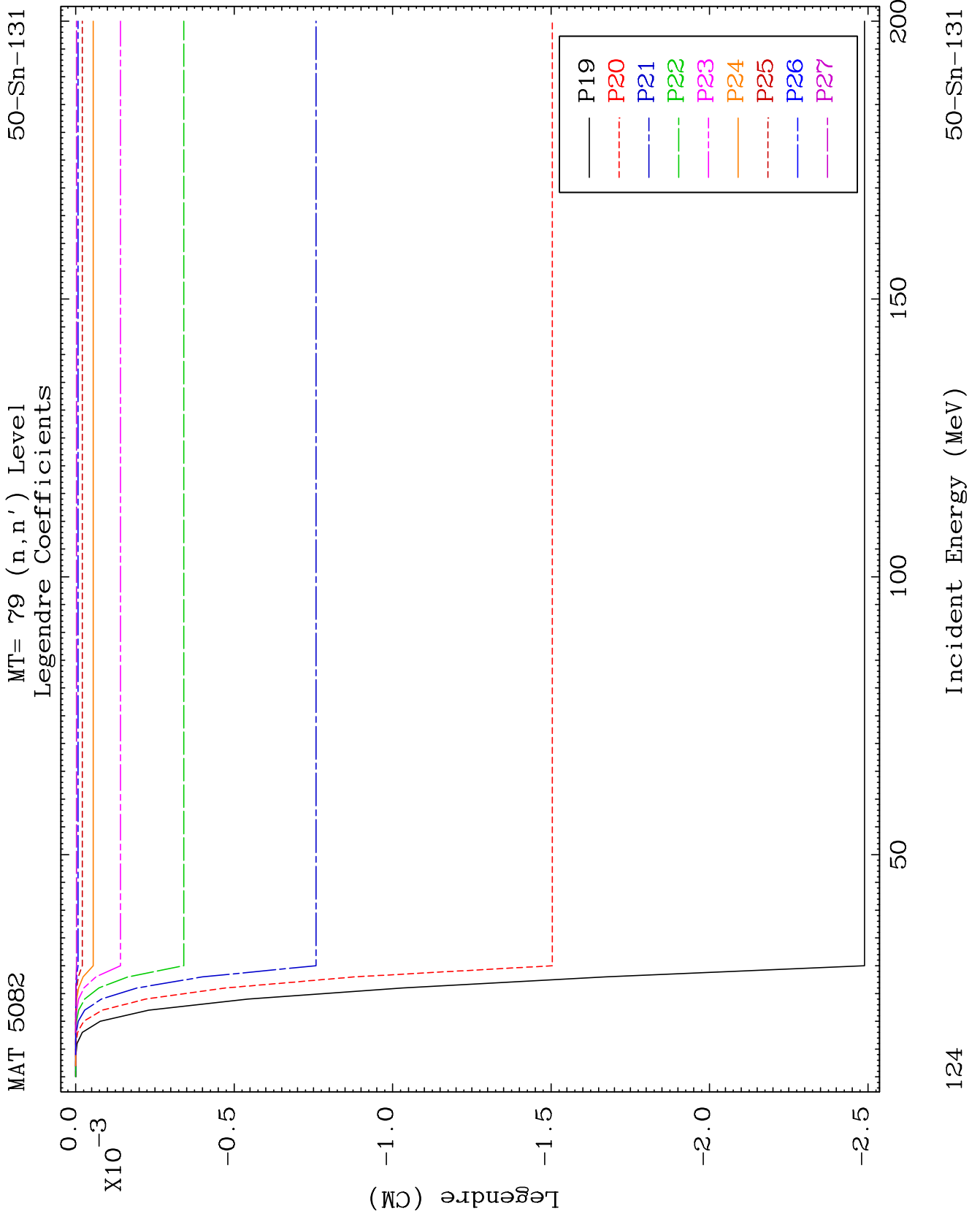
50-Sn-131

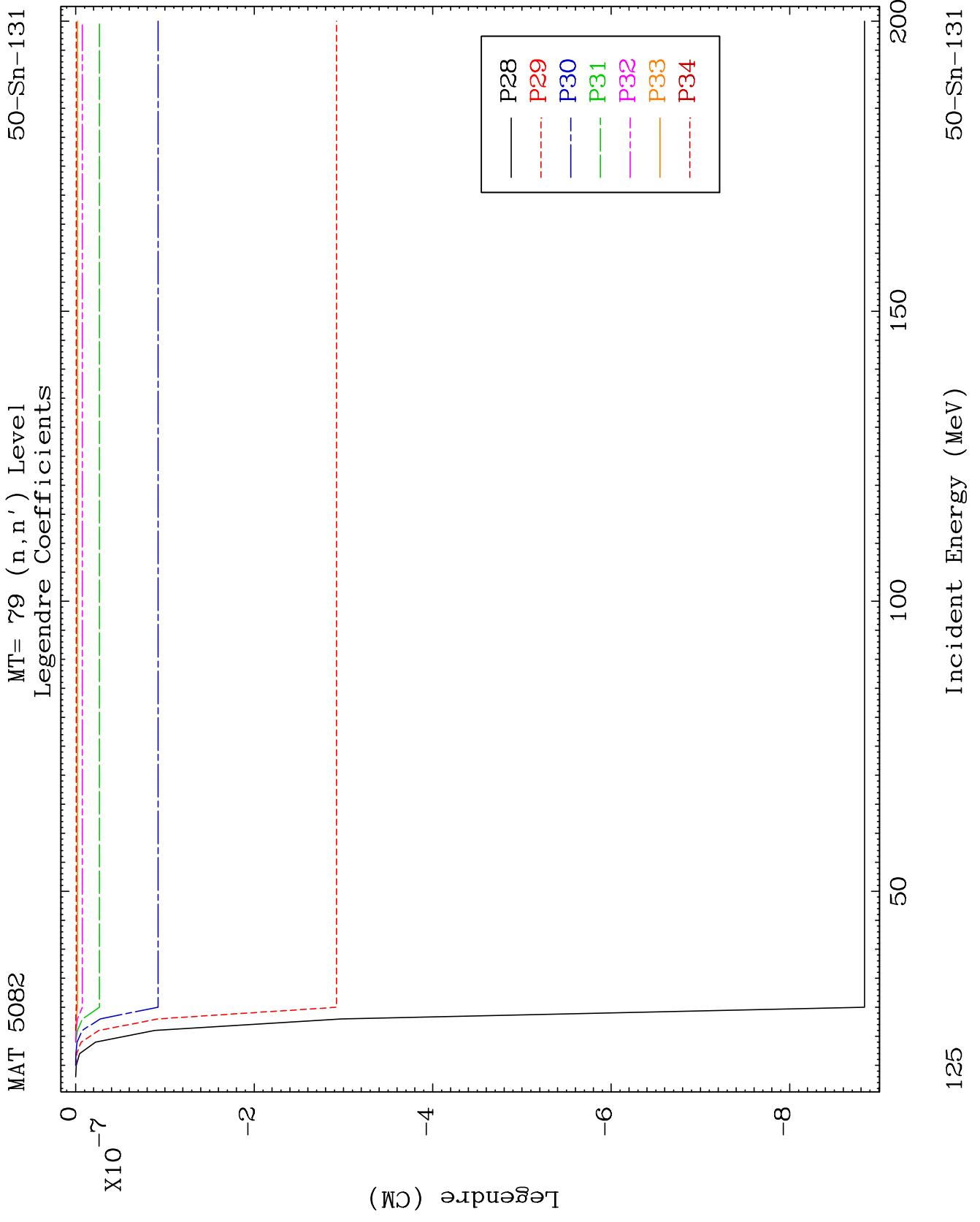


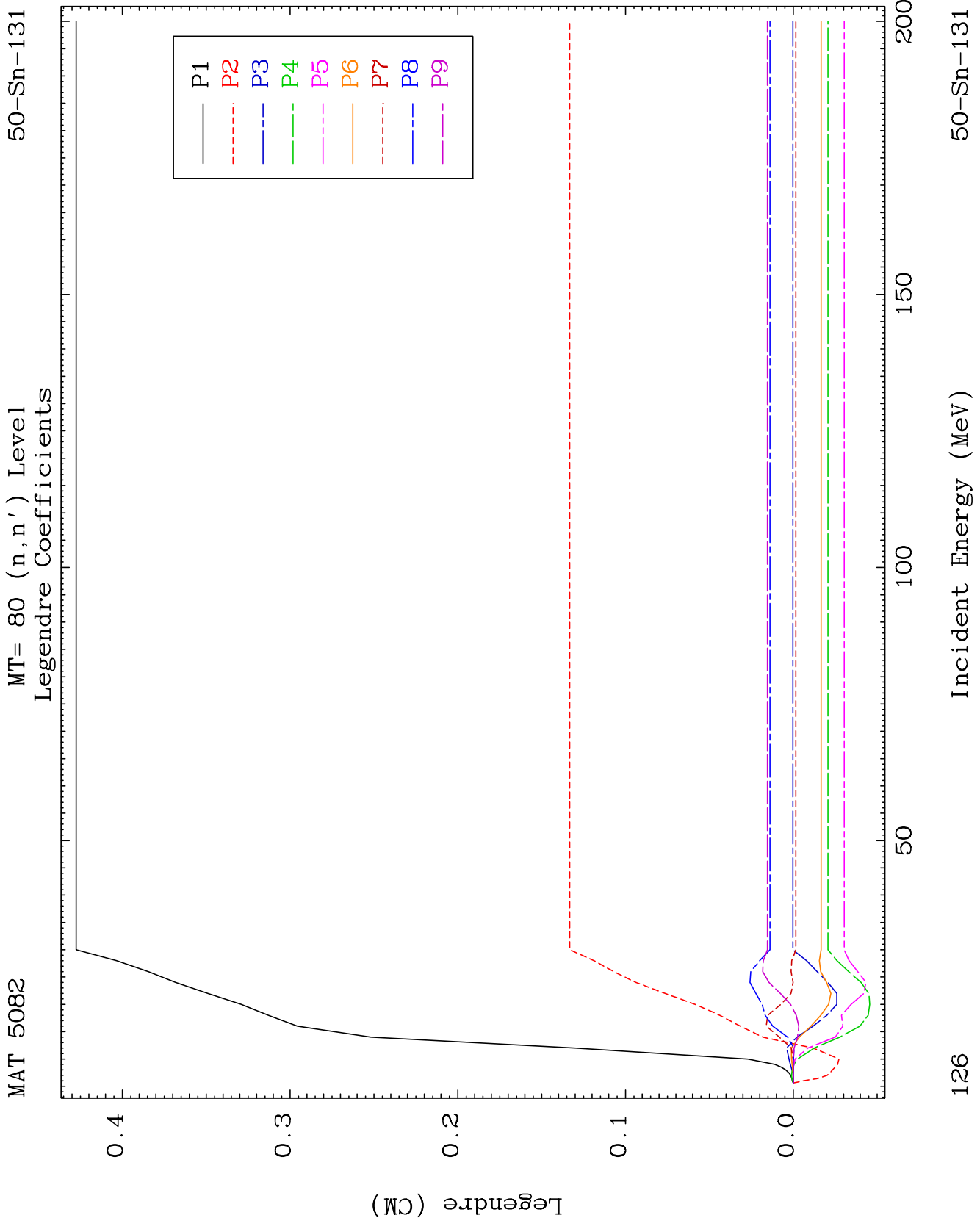
122

50-Sn-131





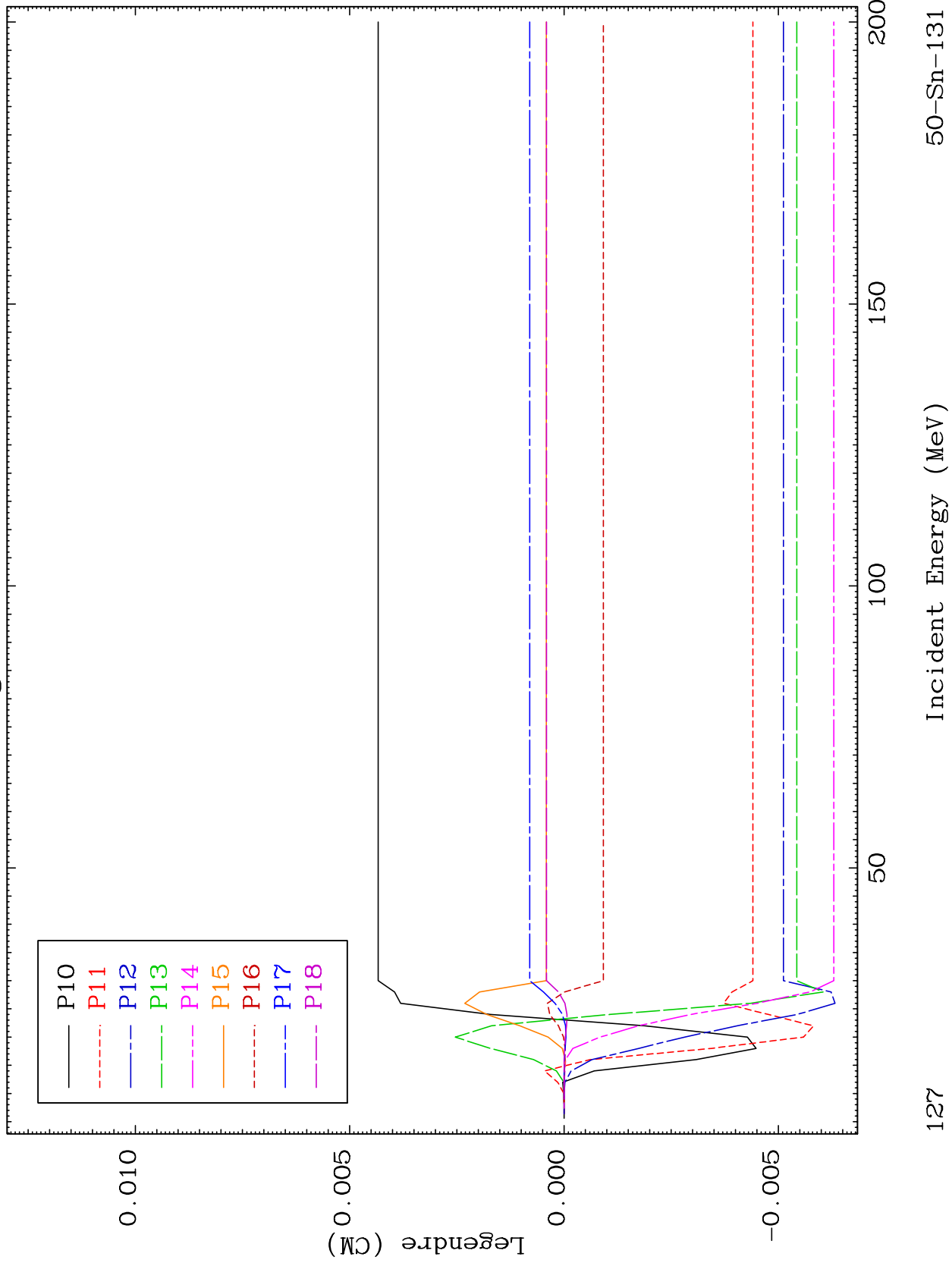




MAT 5082

MT= 80 (n,n') Level  
Legendre Coefficients

50-Sn-131



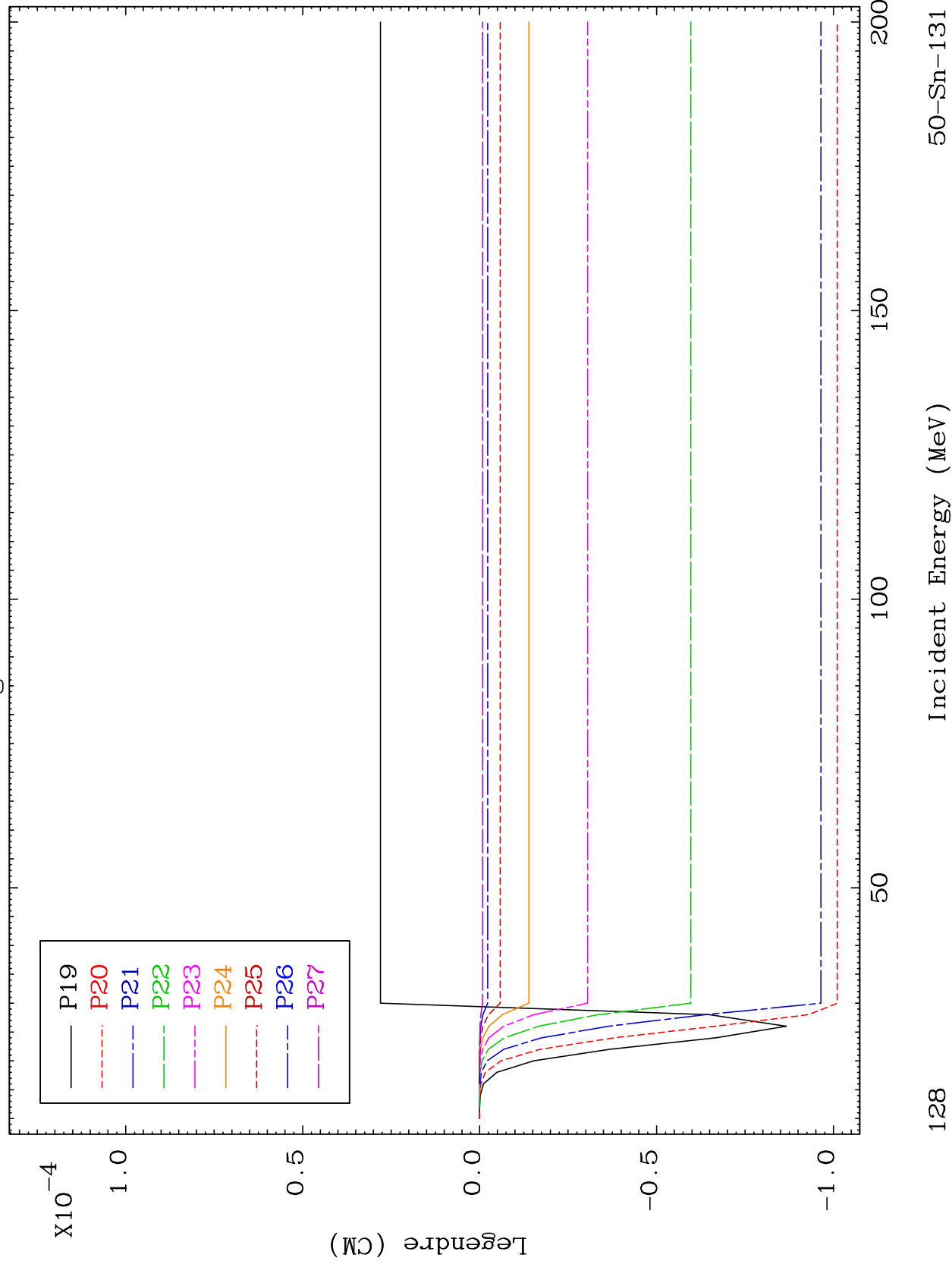
127

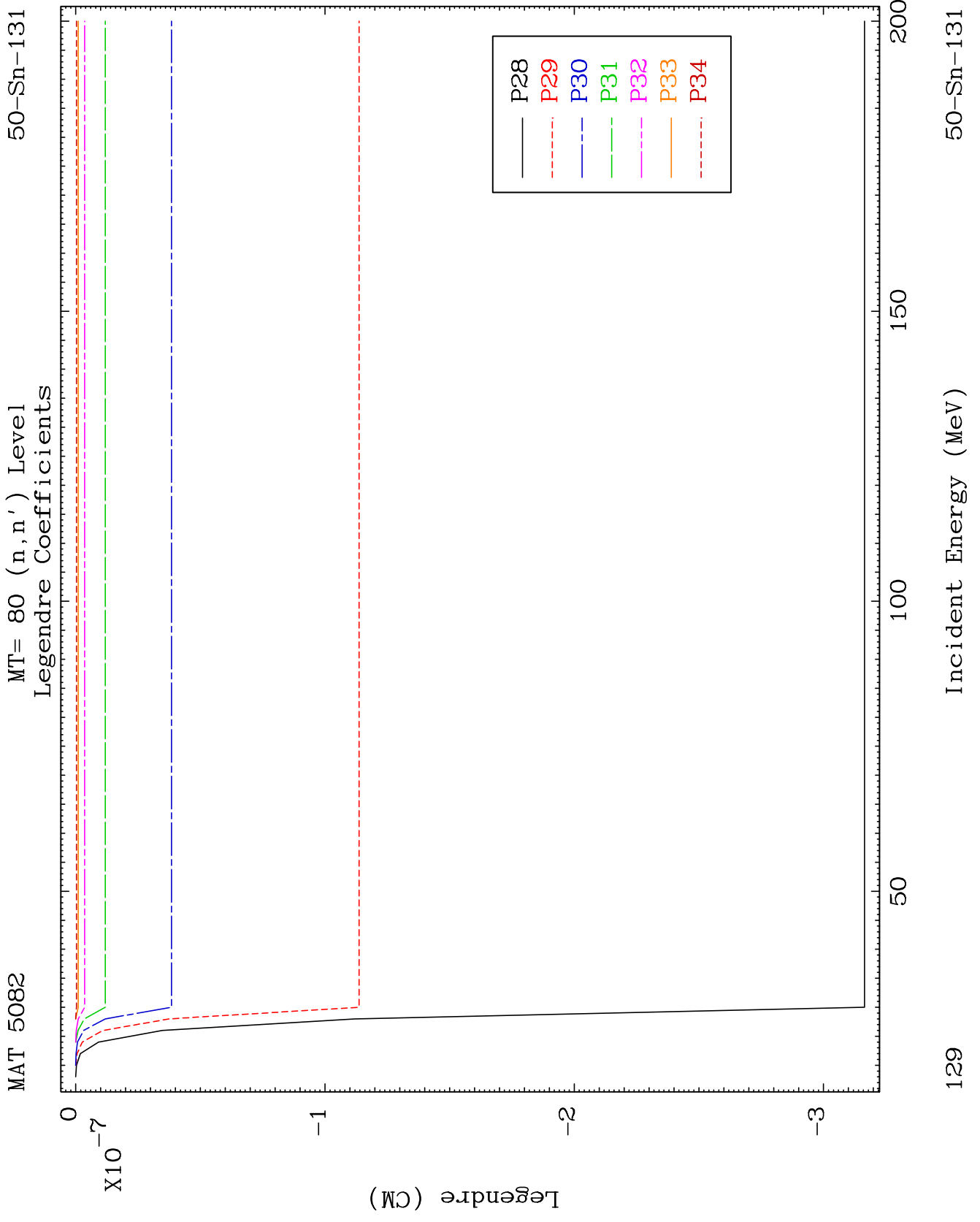


MAT 5082

MT= 80 (n,n') Level  
Legendre Coefficients

50-Sn-131

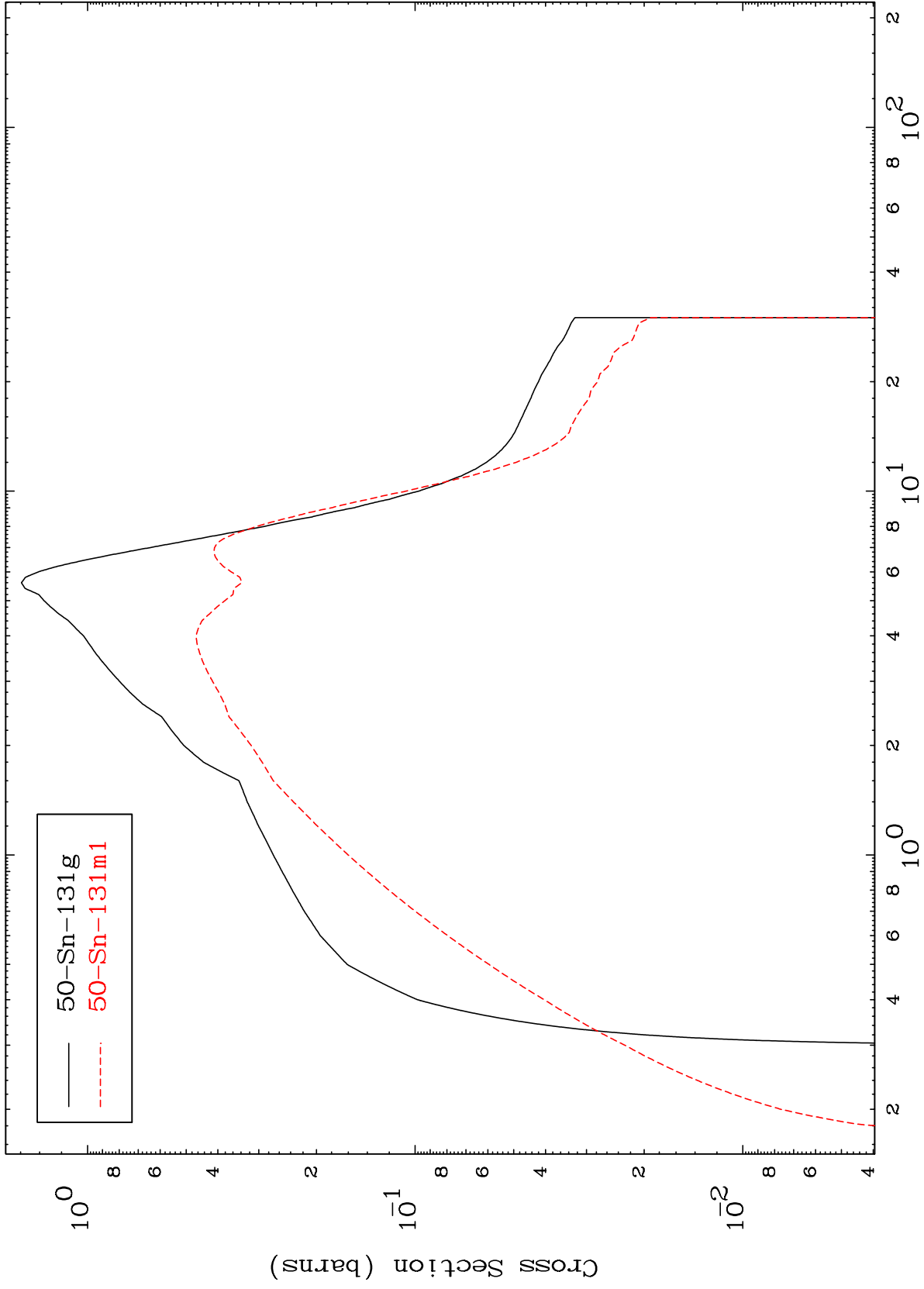




MAT 5082

50-Sn-131

Inelastic  
Radionuclide Production Cross Section

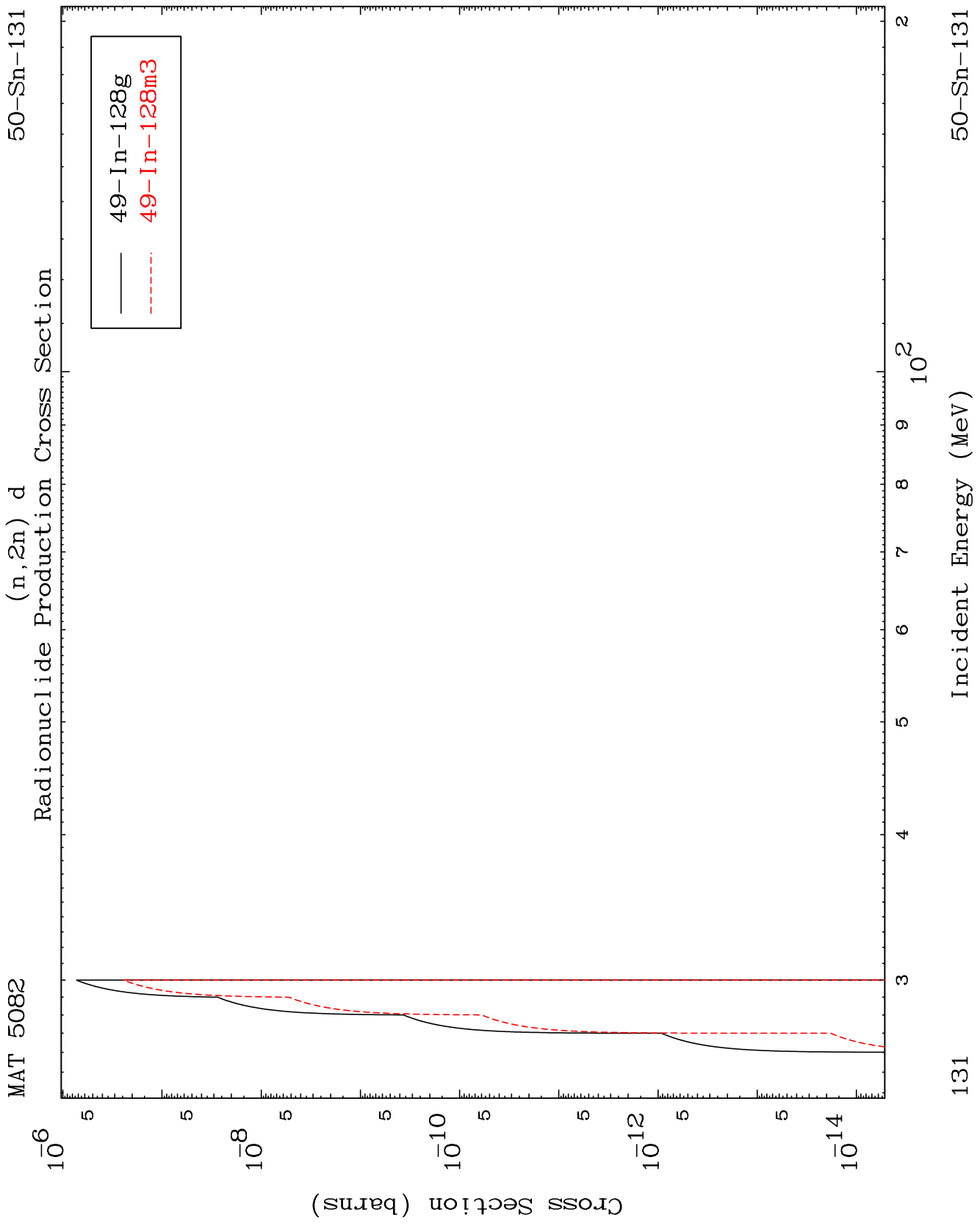


— 50-Sn-131g  
- - - 50-Sn-131m1

50-Sn-131

Incident Energy (MeV)

130

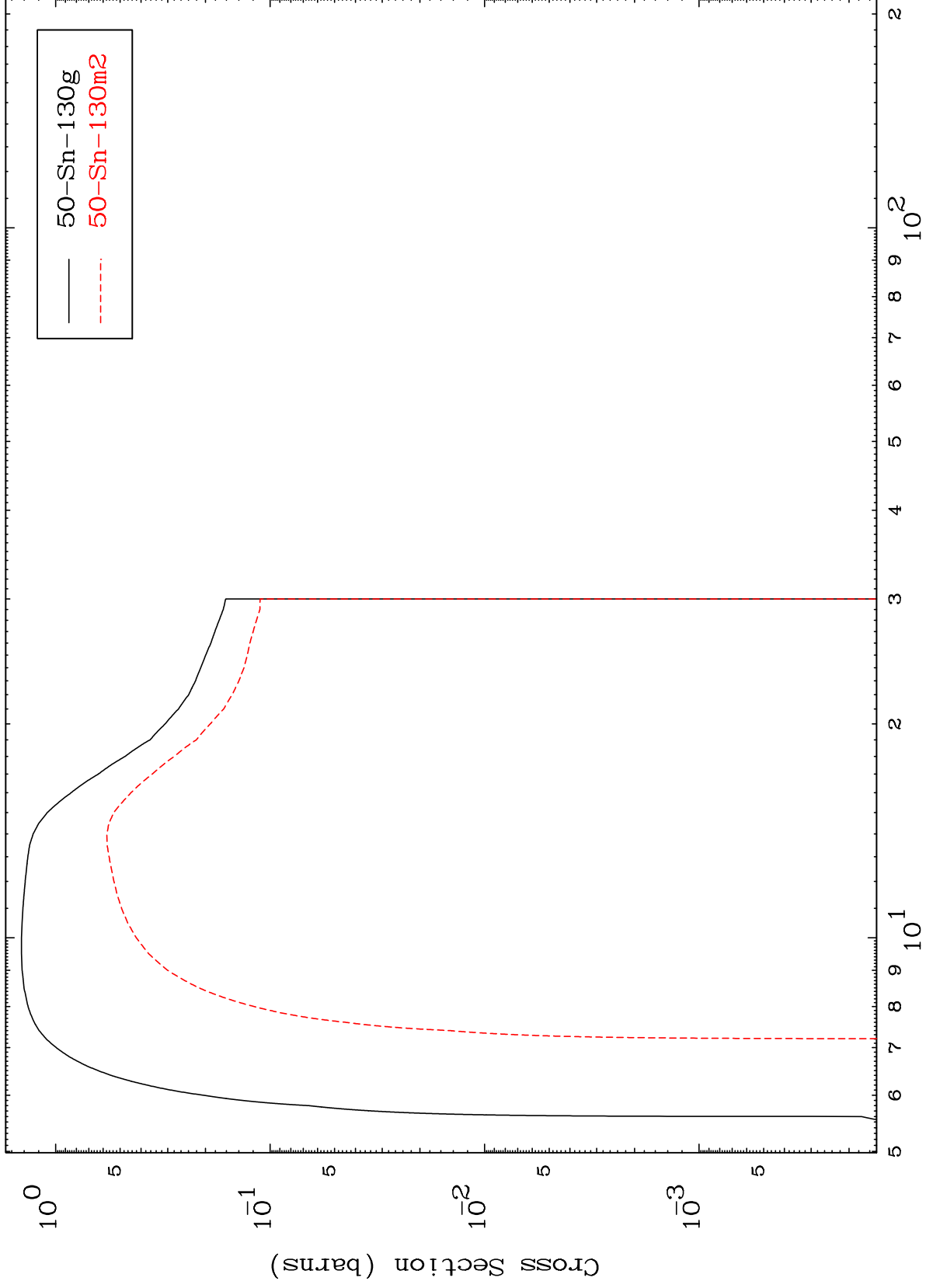


MAT 5082

(n,2n)

50-Sn-131

Radionuclide Production Cross Section



132

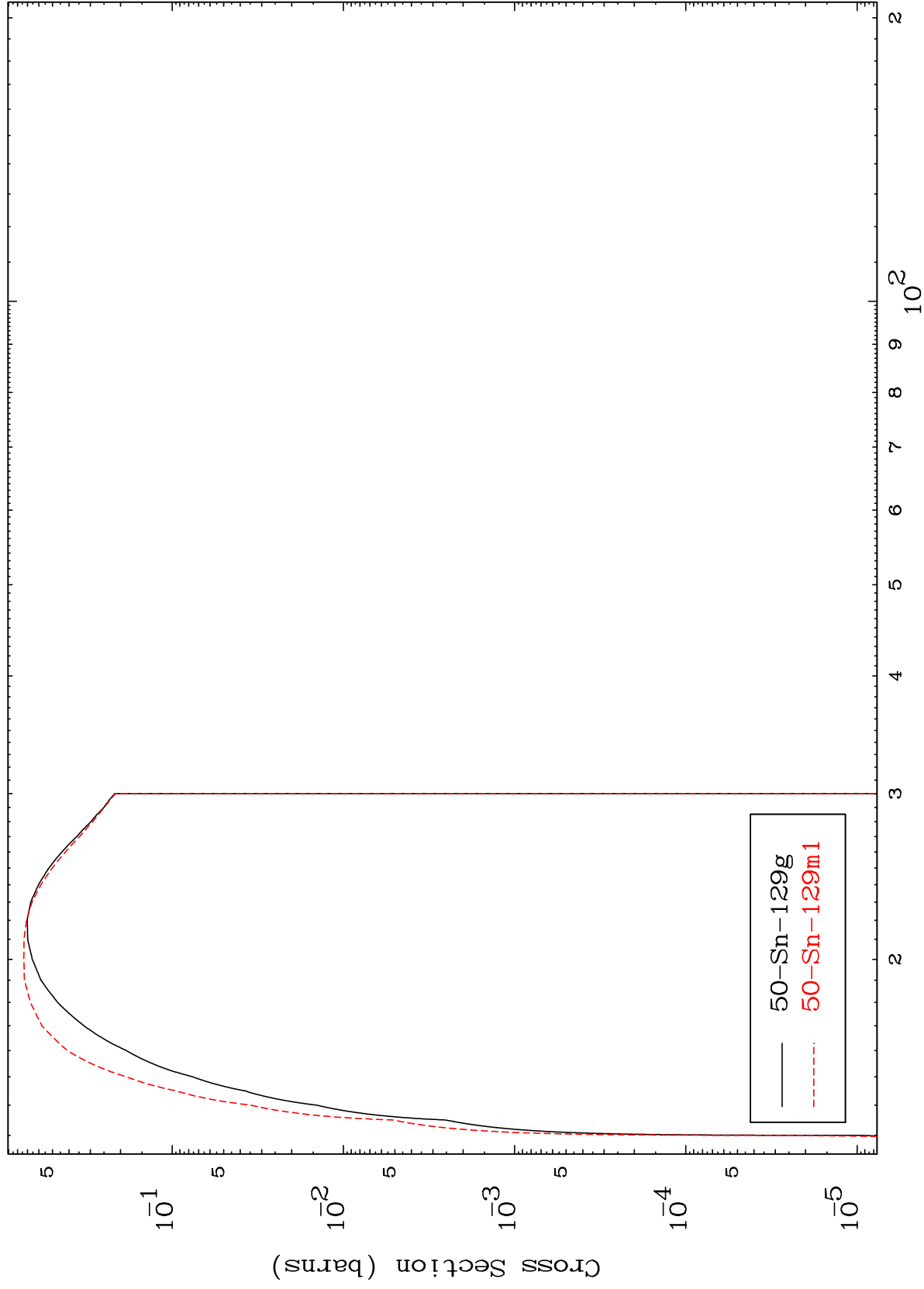
Incident Energy (MeV)

50-Sn-131

MAT 5082

50-Sn-131

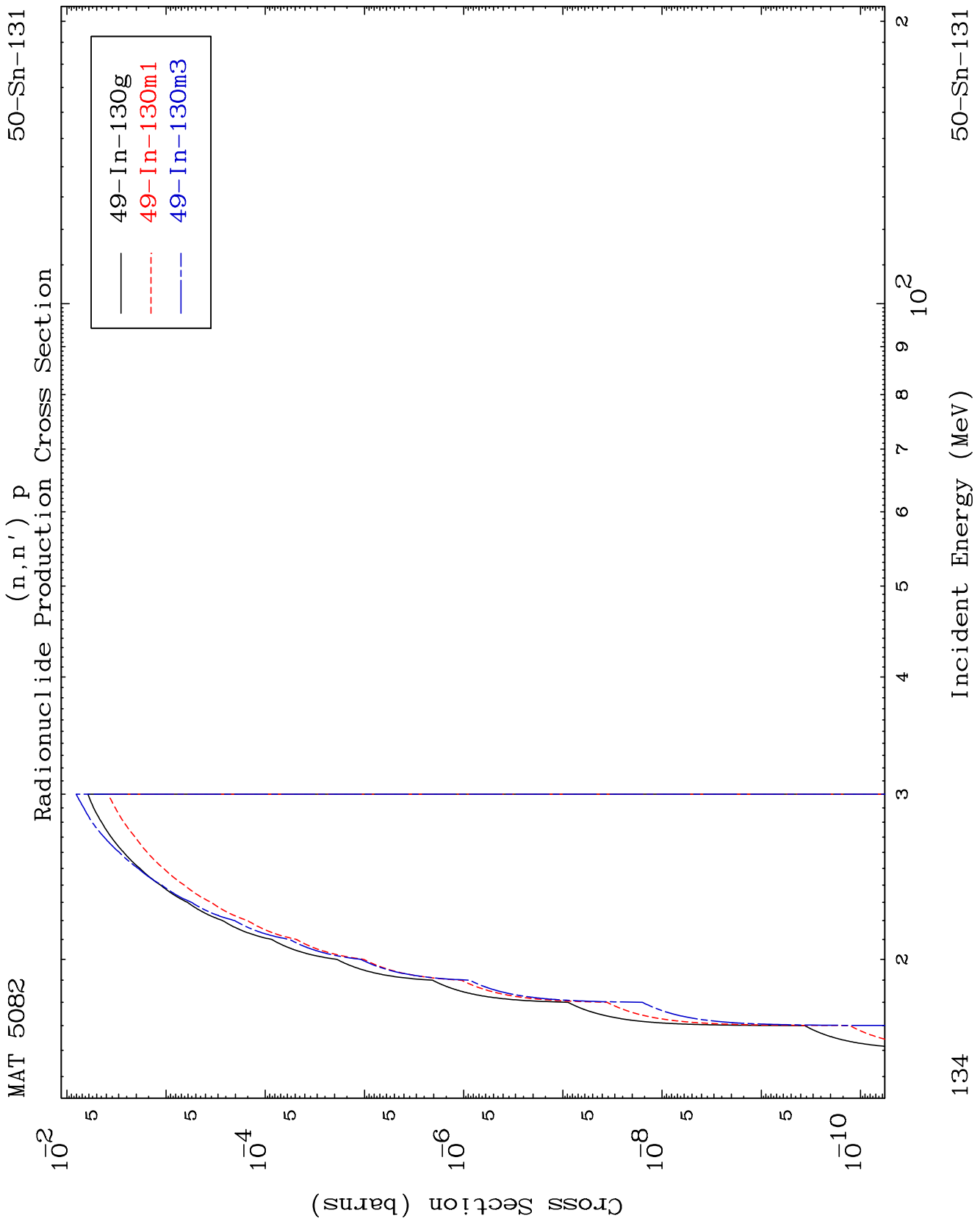
(n,3n)  
Radionuclide Production Cross Section



50-Sn-131

Incident Energy (MeV)

133

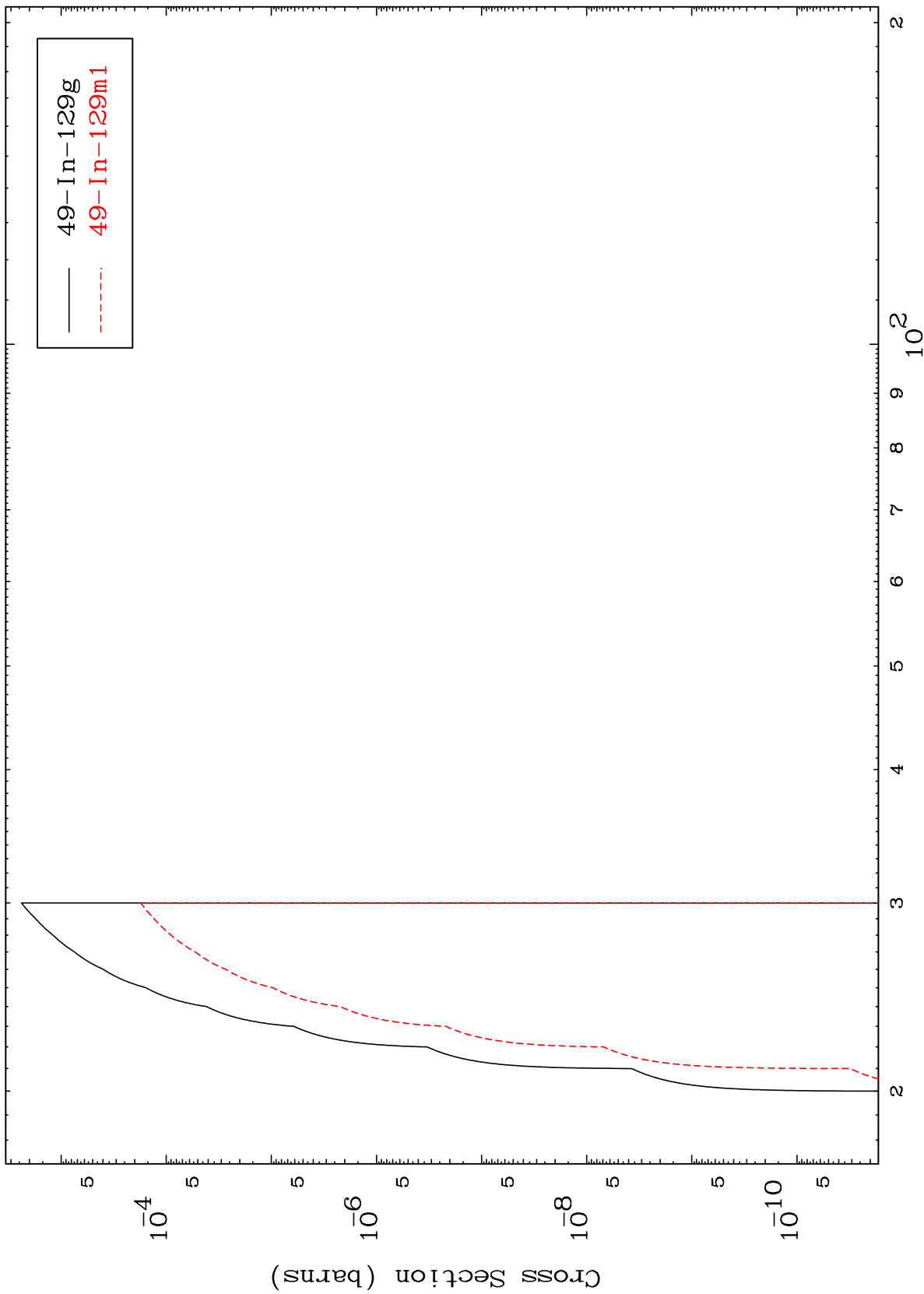


MAT 5082

(n,n') d

50-Sn-131

Radionuclide Production Cross Section



135

Incident Energy (MeV)

50-Sn-131

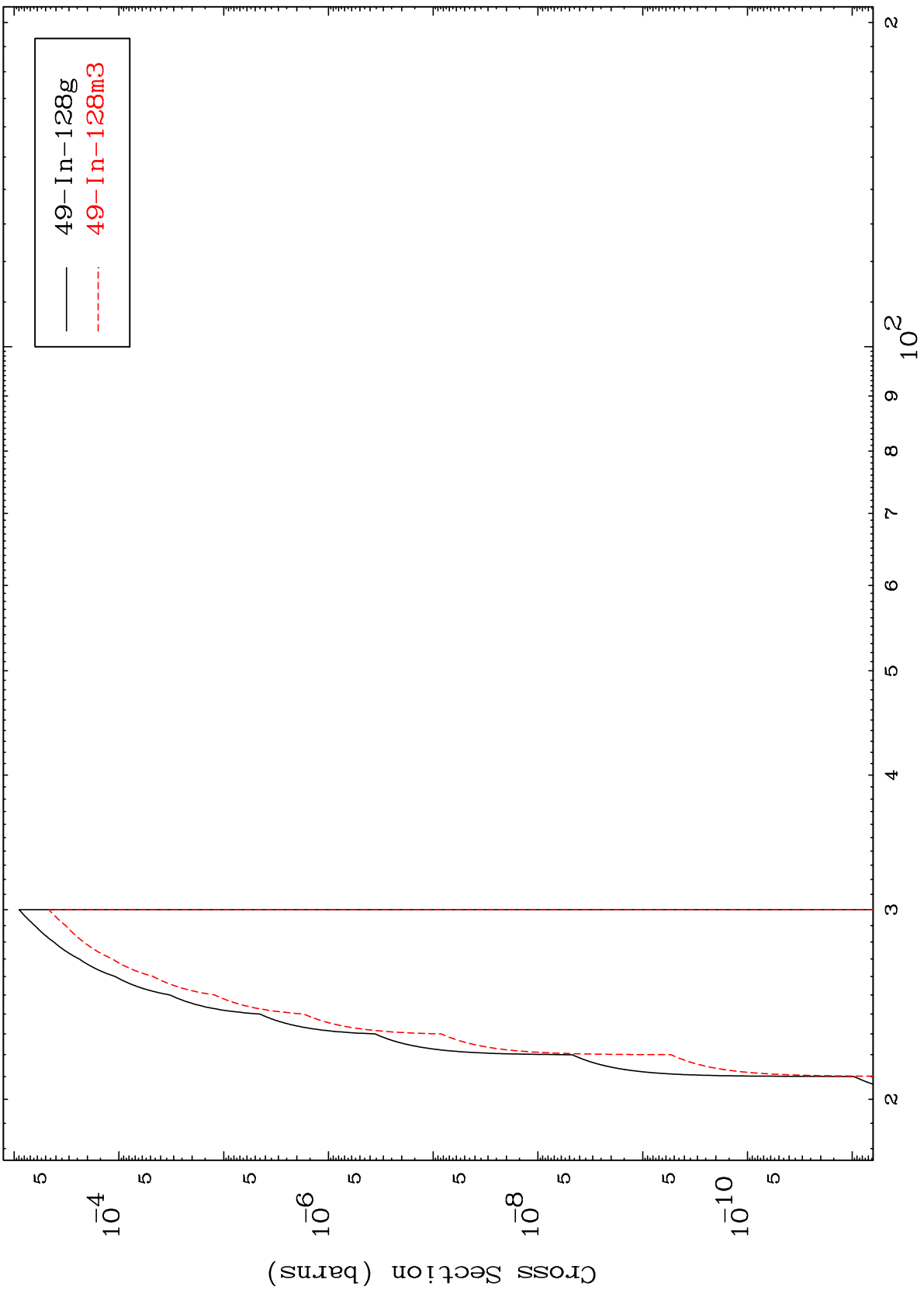


MAT 5082

(n,n') t

50-Sn-131

Radionuclide Production Cross Section



136

Incident Energy (MeV)

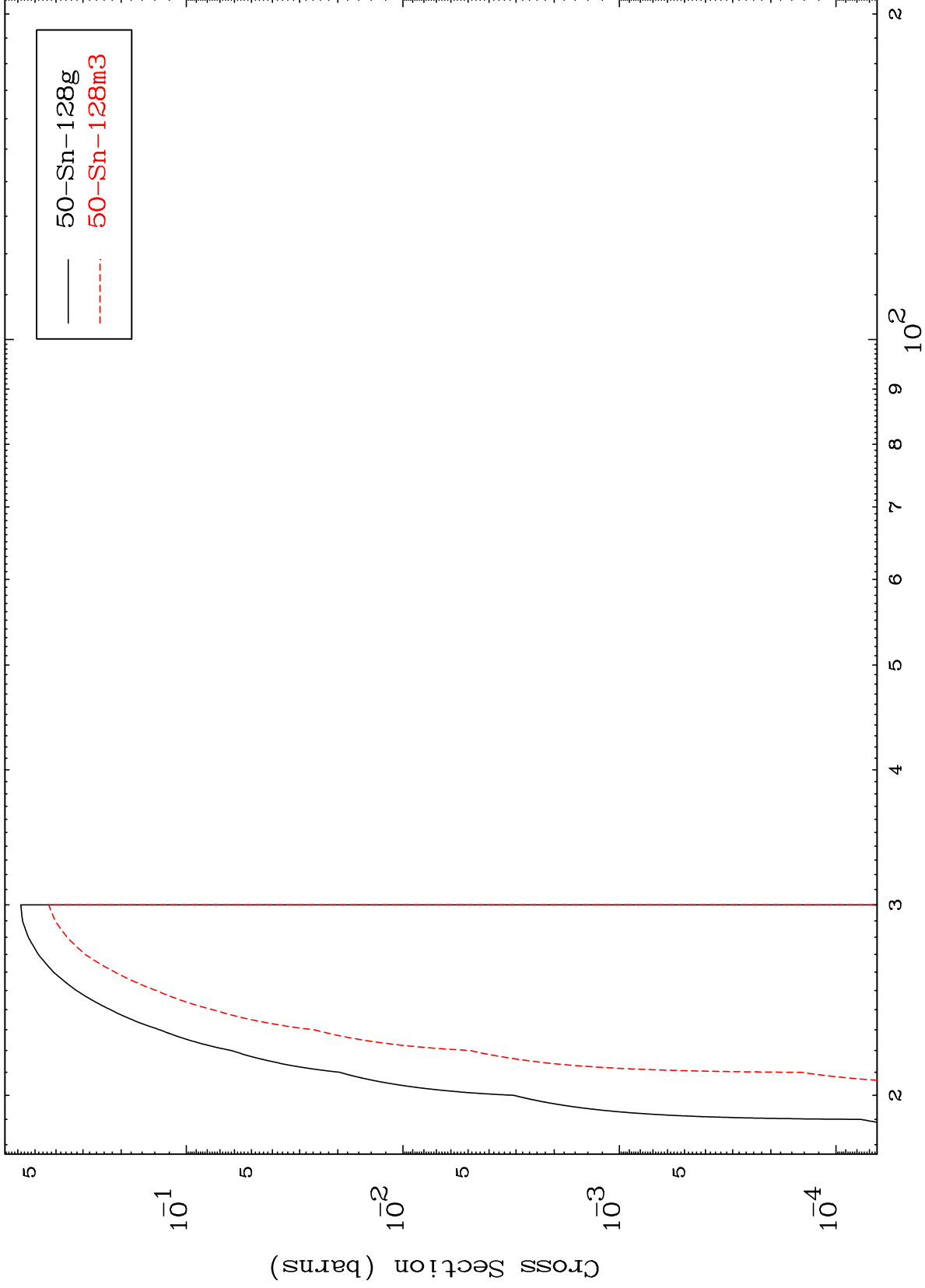
50-Sn-131

MAT 5082

(n,4n)

50-Sn-131

Radionuclide Production Cross Section



137

Incident Energy (MeV)

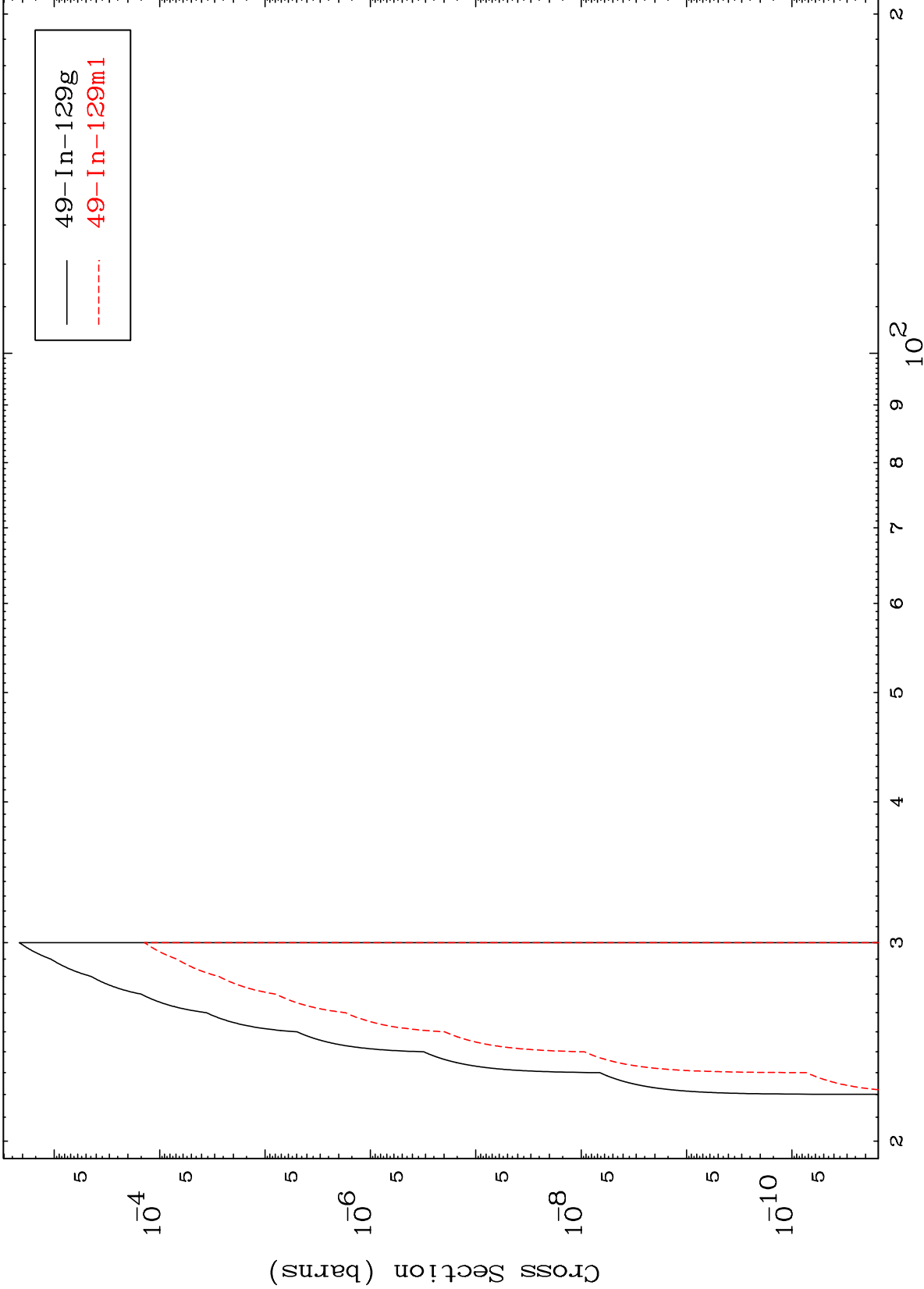
50-Sn-131

MAT 5082

(n,2n) p

50-Sn-131

Radionuclide Production Cross Section



49-In-129g  
49-In-129m1

138

Incident Energy (MeV)

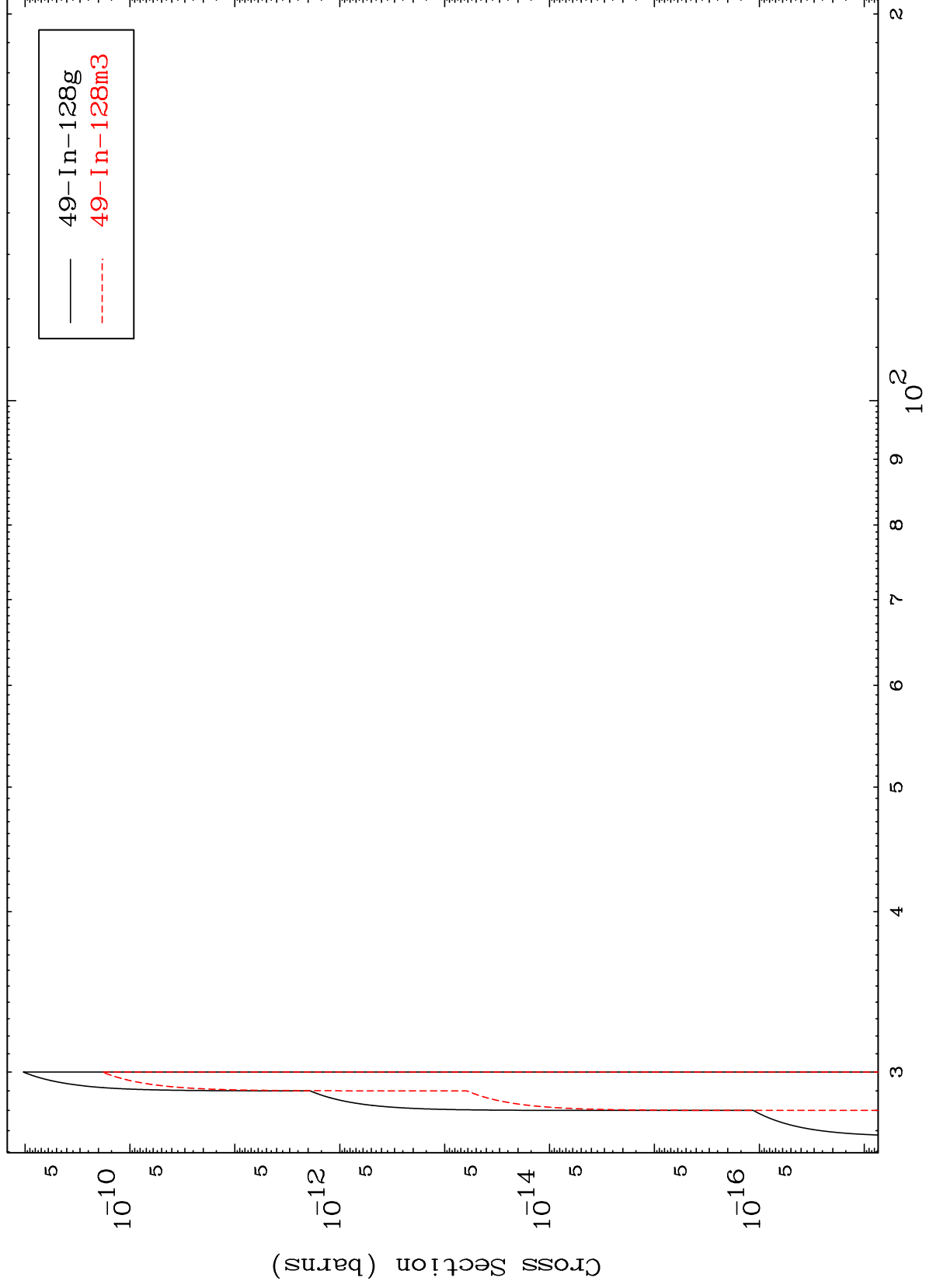
50-Sn-131

MAT 5082

(n,3n) p

50-Sn-131

Radionuclide Production Cross Section



139

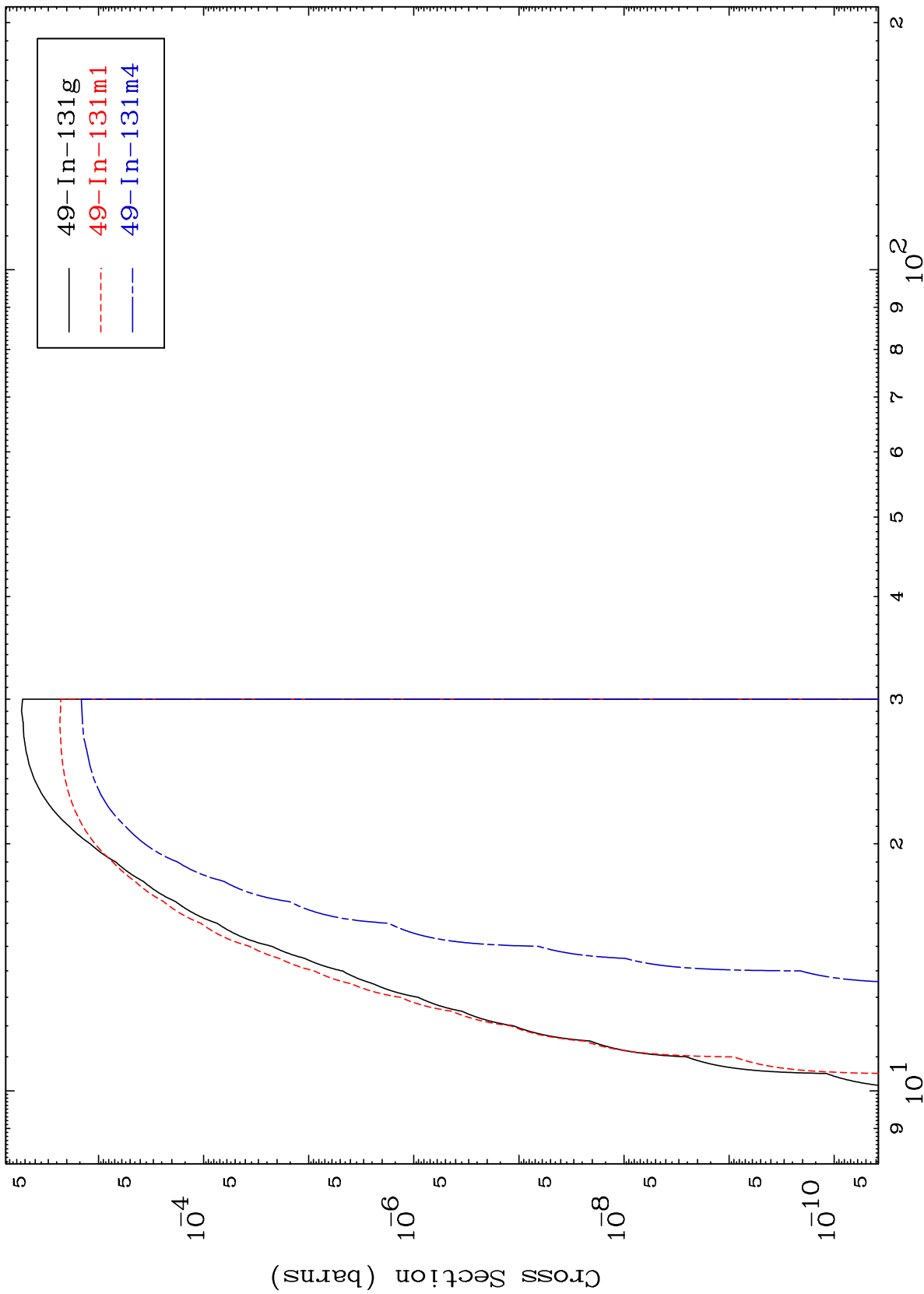
Incident Energy (MeV)

50-Sn-131

MAT 5082

50-Sn-131

(n,p)  
Radionuclide Production Cross Section



50-Sn-131

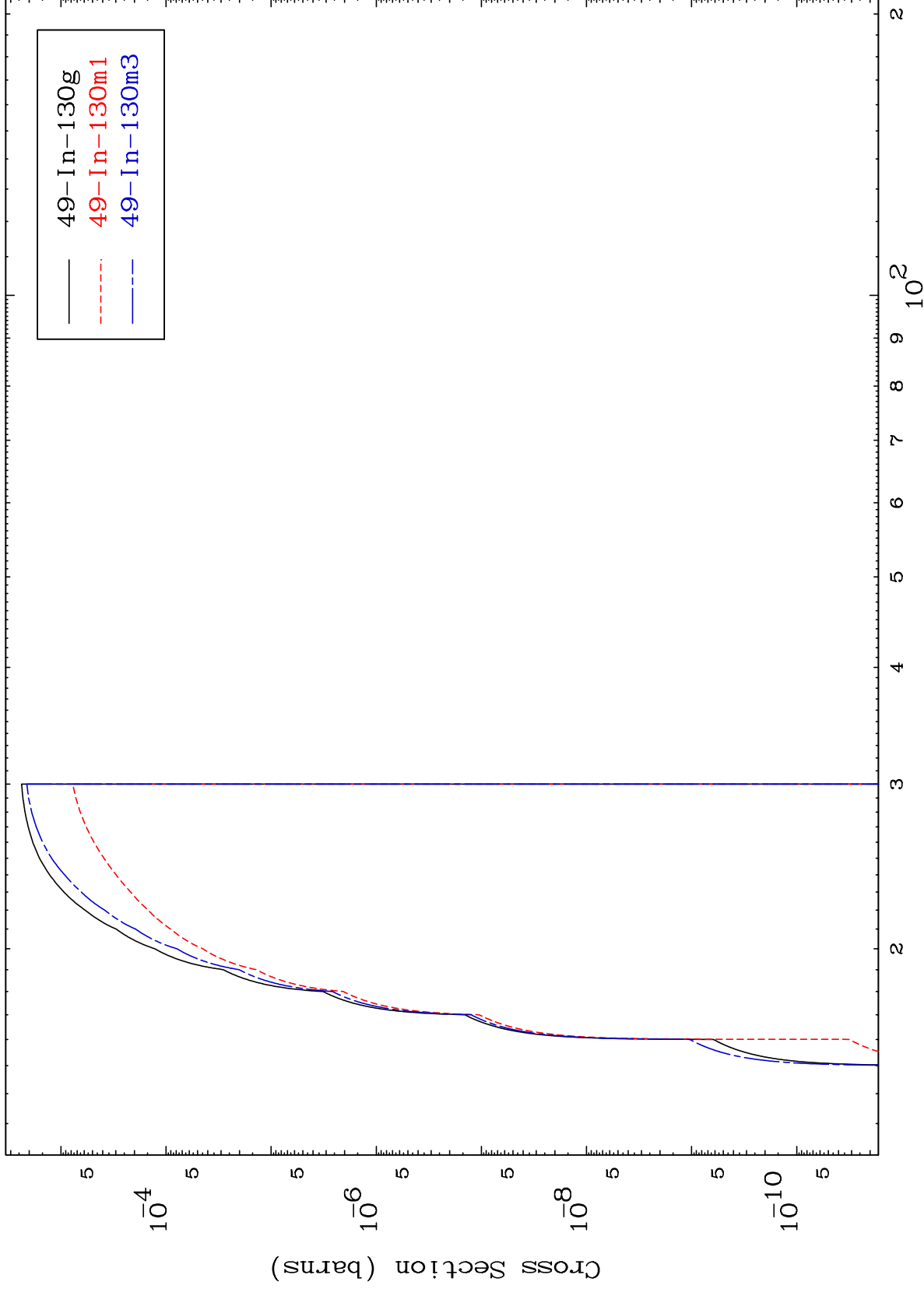
Incident Energy (MeV)

140

MAT 5082

50-Sn-131

(n,d)  
Radionuclide Production Cross Section



141

50-Sn-131

Incident Energy (MeV)

Radionuclide Production Cross Section

