

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

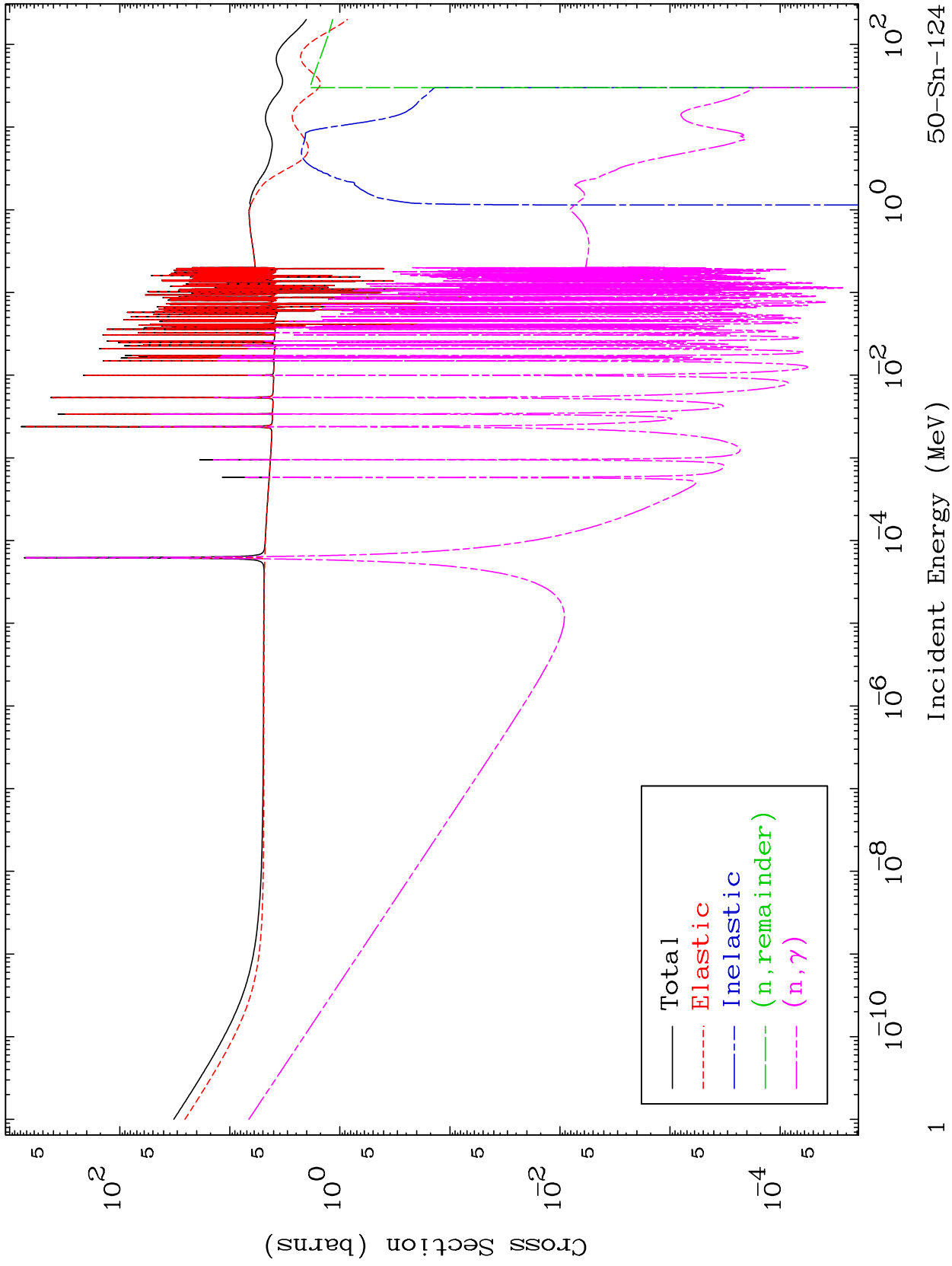
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5061

Major  
293 Kelvin Cross Sections

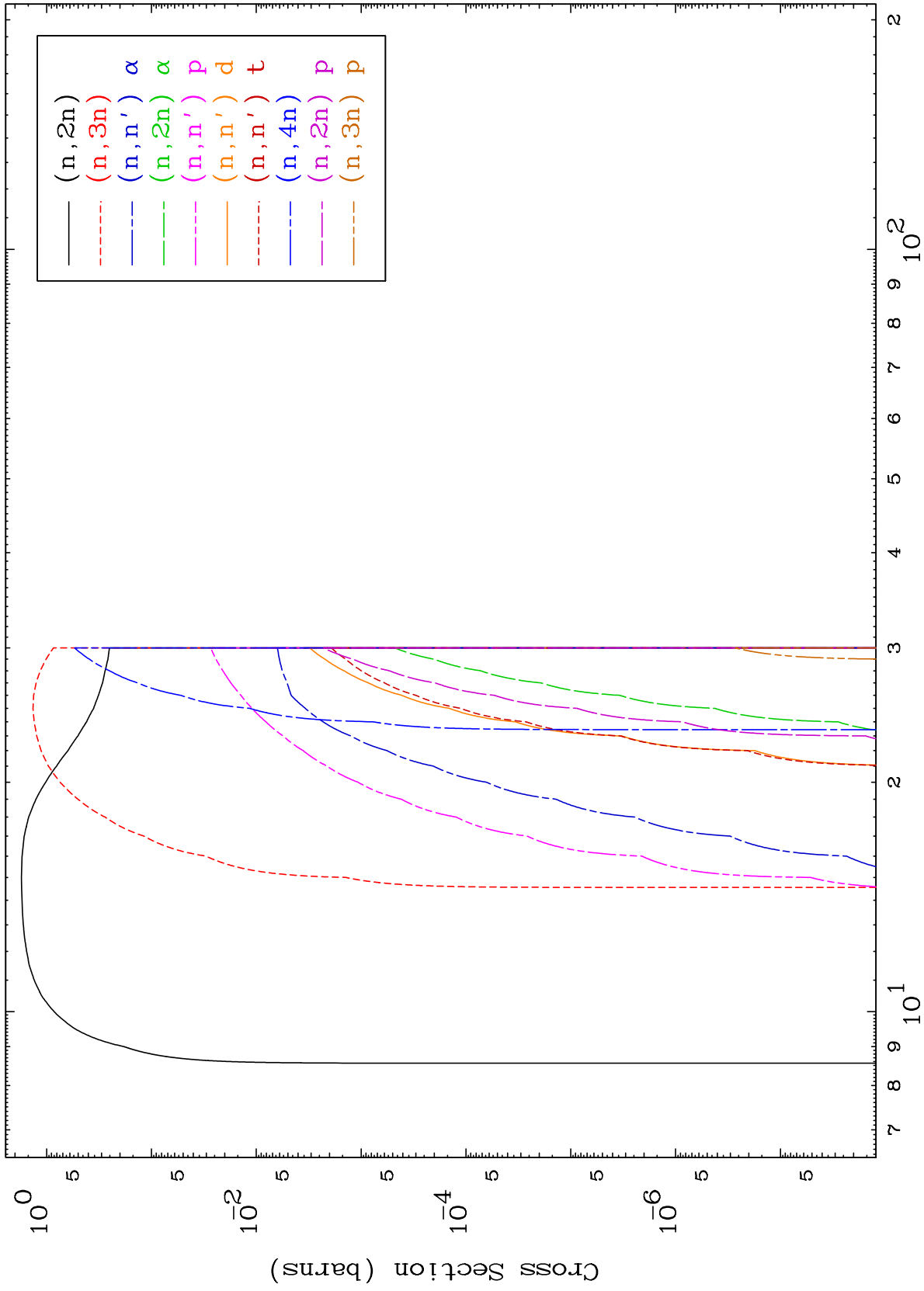
50-Sn-124



MAT 5061

Neutron Production  
293 Kelvin Cross Sections

50-Sn-124



2

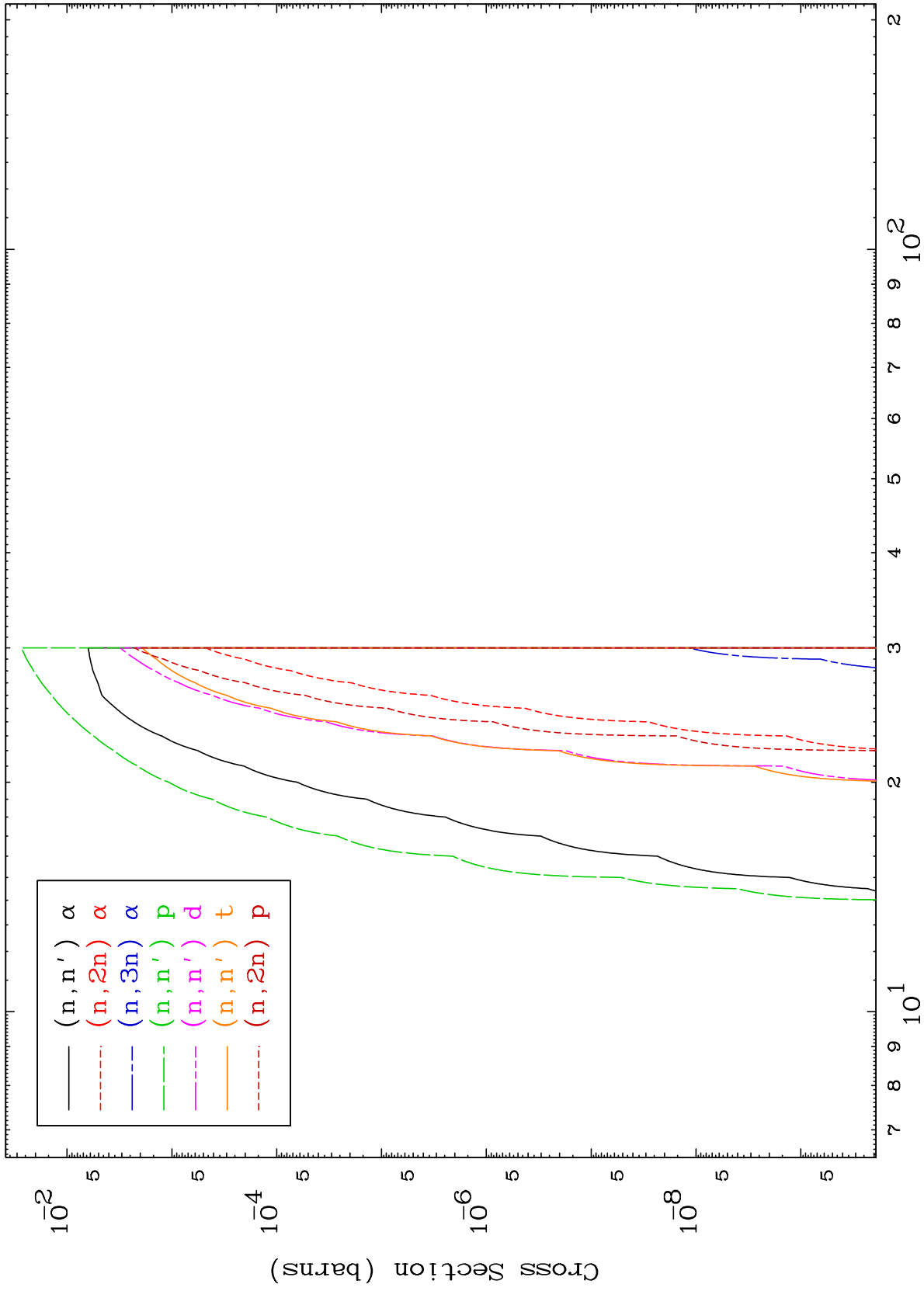
Incident Energy (MeV)

50-Sn-124

MAT 5061

Charged Particle  
293 Kelvin Cross Sections

50-Sn-124



3

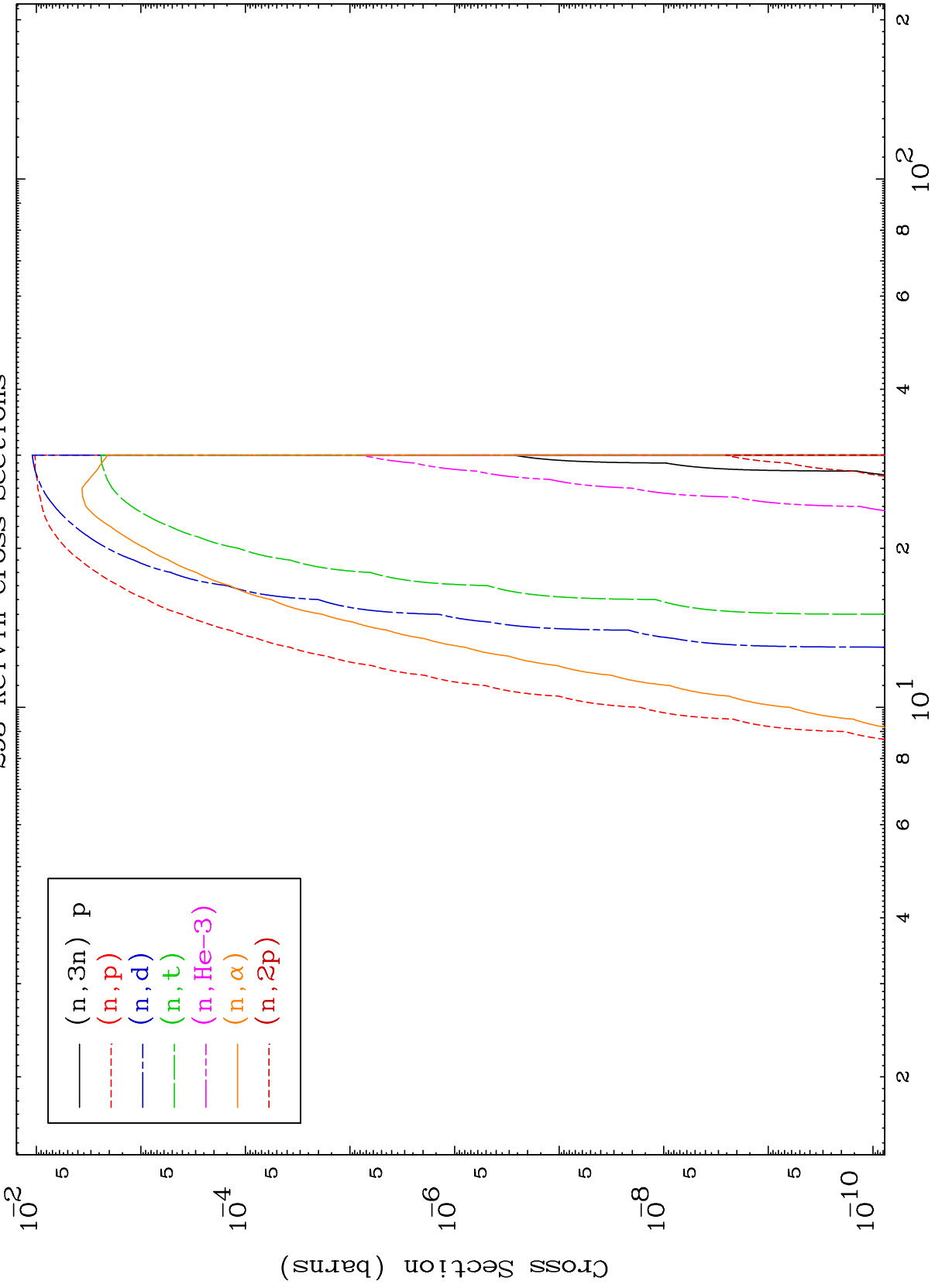
Incident Energy (MeV)

50-Sn-124

MAT 5061

Charged Particle  
293 Kelvin Cross Sections

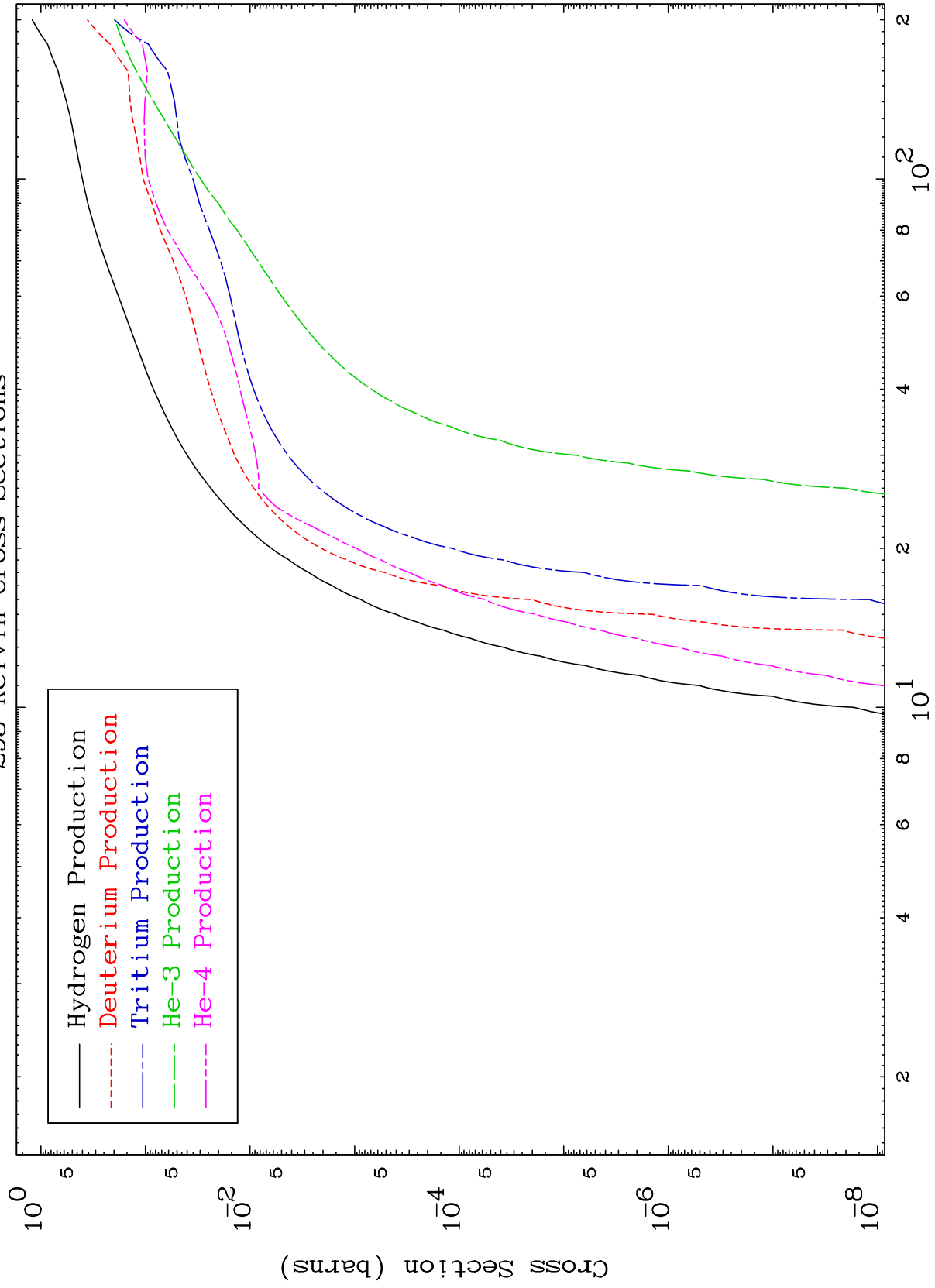
50-Sn-124



MAT 5061

Particle Production  
293 Kelvin Cross Sections

50-Sn-124



5

Incident Energy (MeV)

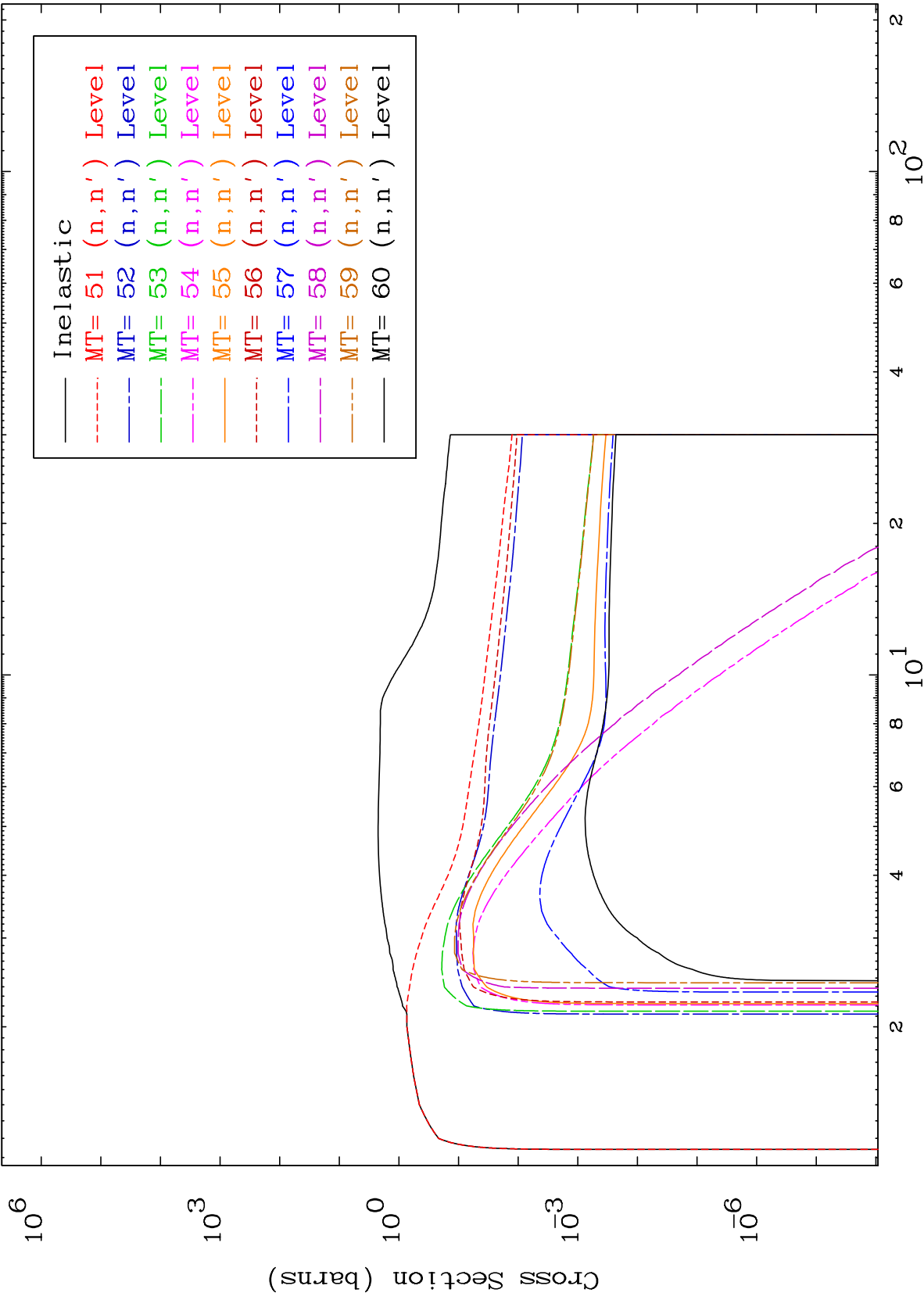
50-Sn-124

MAT 5061

(n,n') Level

50-Sn-124

293 Kelvin Cross Sections



6

Incident Energy (MeV)

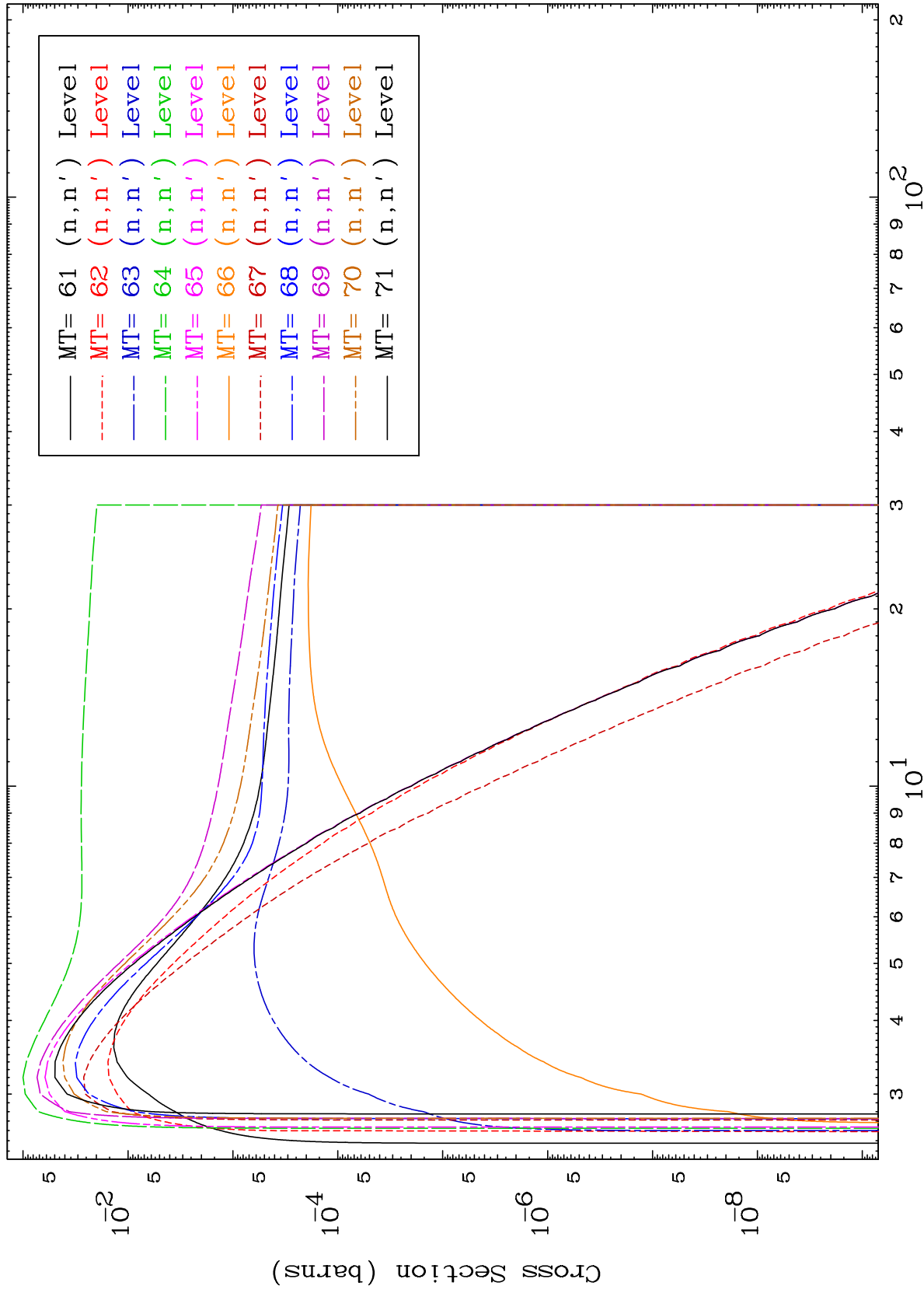
50-Sn-124

MAT 5061

(n,n') Level

293 Kelvin Cross Sections

50-Sn-124



7

Incident Energy (MeV)

50-Sn-124

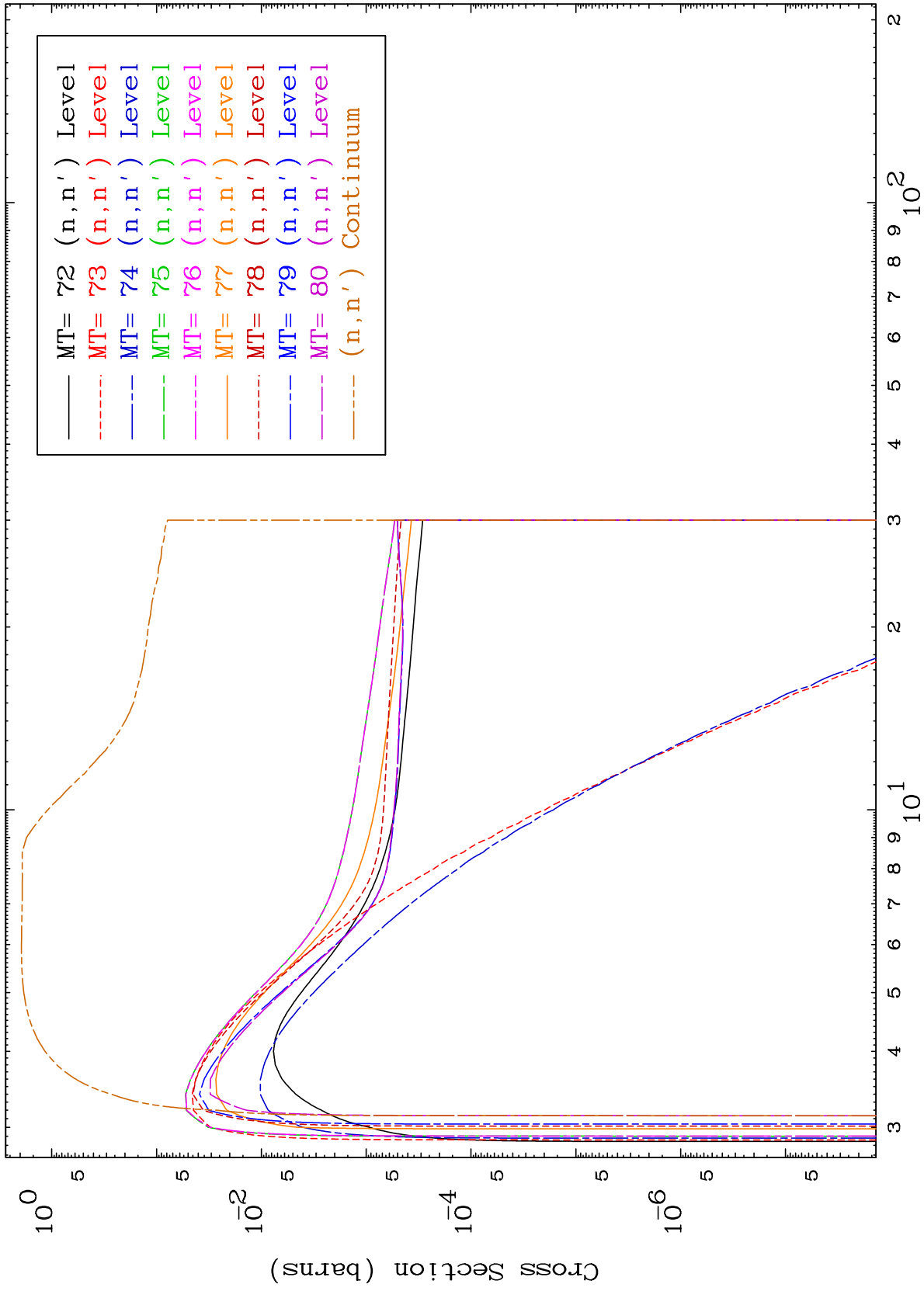


MAT 5061

(n,n') Level

50-Sn-124

293 Kelvin Cross Sections



8

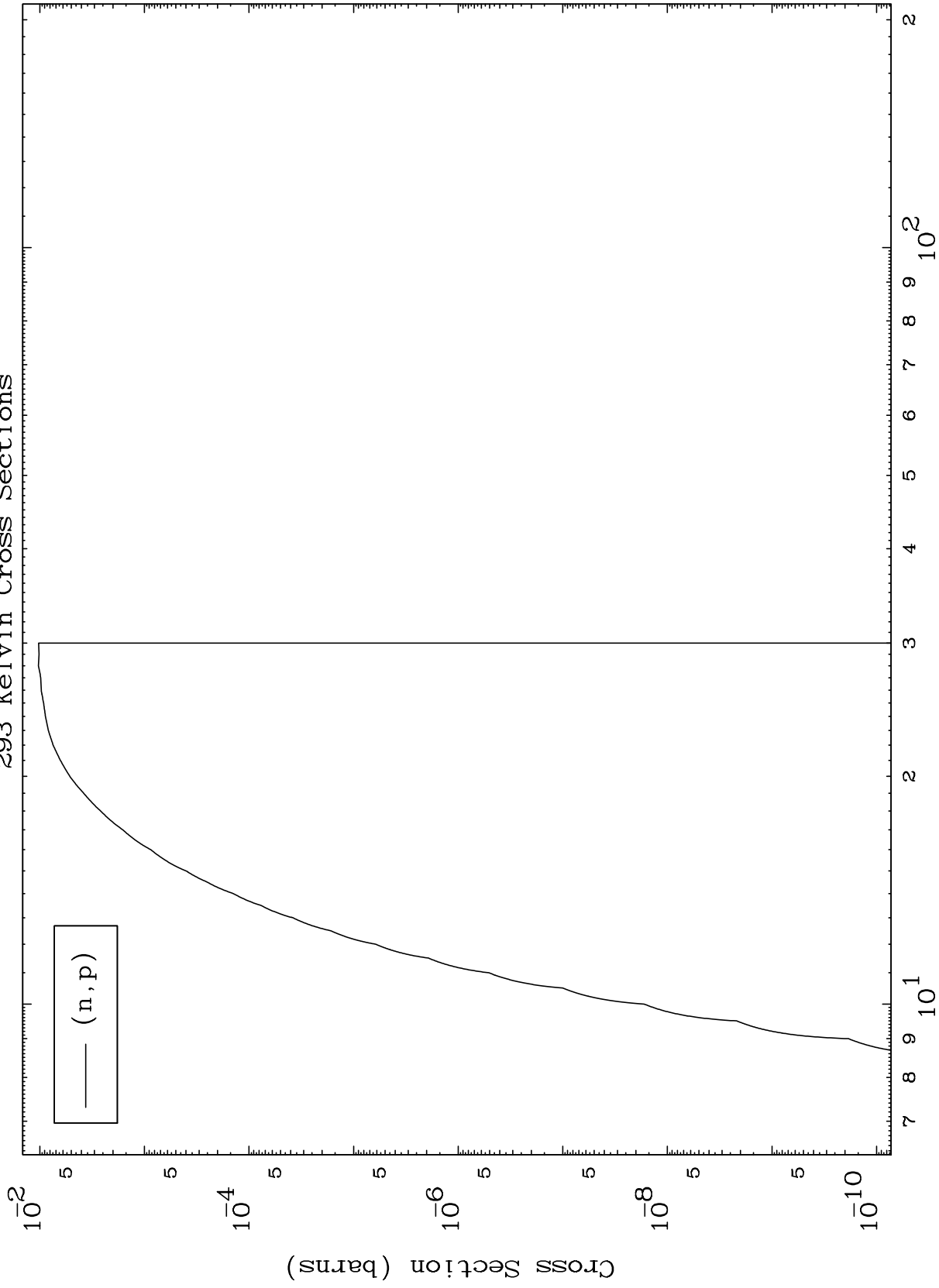
Incident Energy (MeV)

50-Sn-124

MAT 5061

(n,p) Levels  
293 Kelvin Cross Sections

50-Sn-124



9

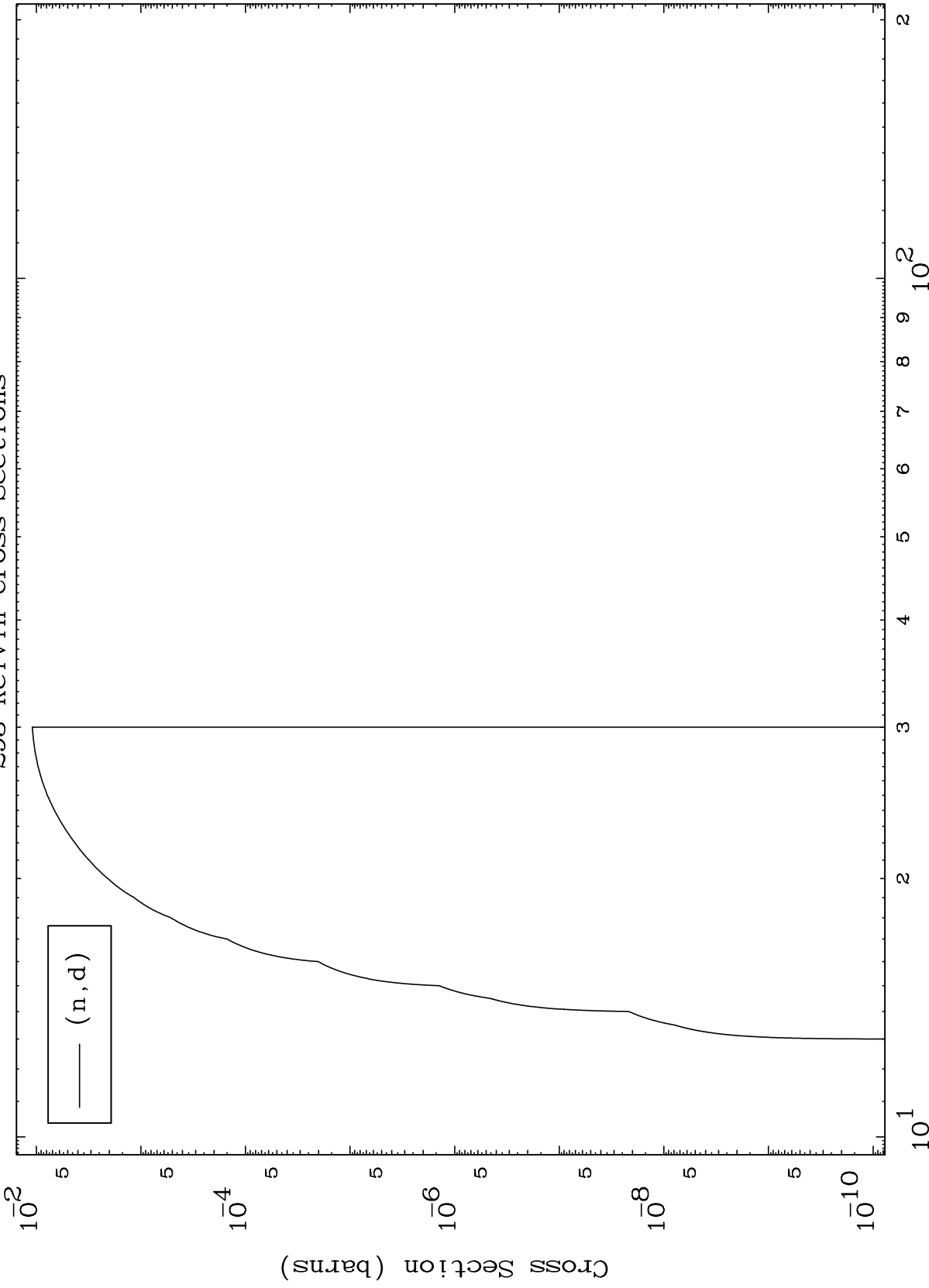
Incident Energy (MeV)

50-Sn-124

MAT 5061

(n,d) Levels  
293 Kelvin Cross Sections

50-Sn-124



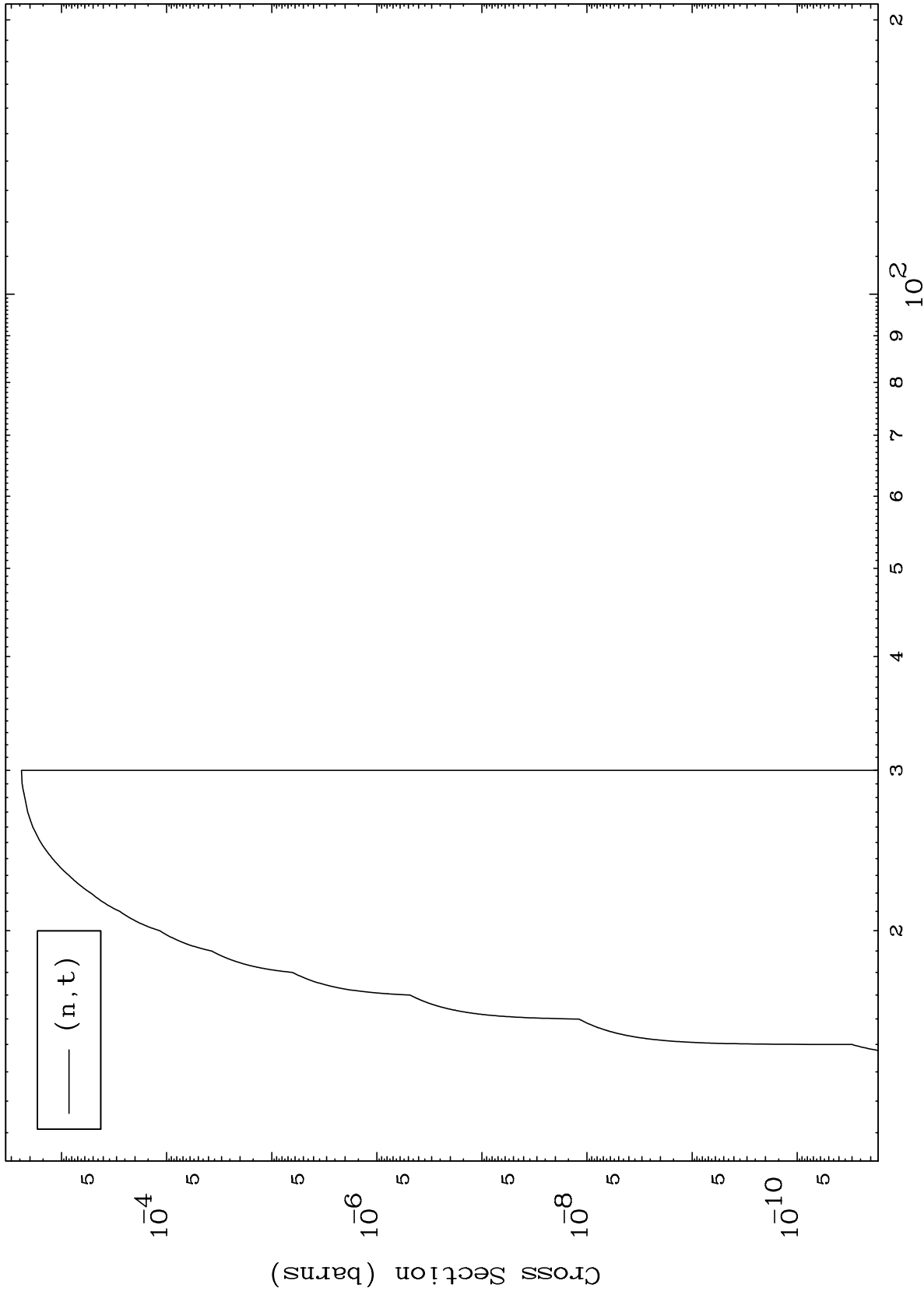
Incident Energy (MeV)

50-Sn-124

MAT 5061

(n,t) Levels  
293 Kelvin Cross Sections

50-Sn-124



11

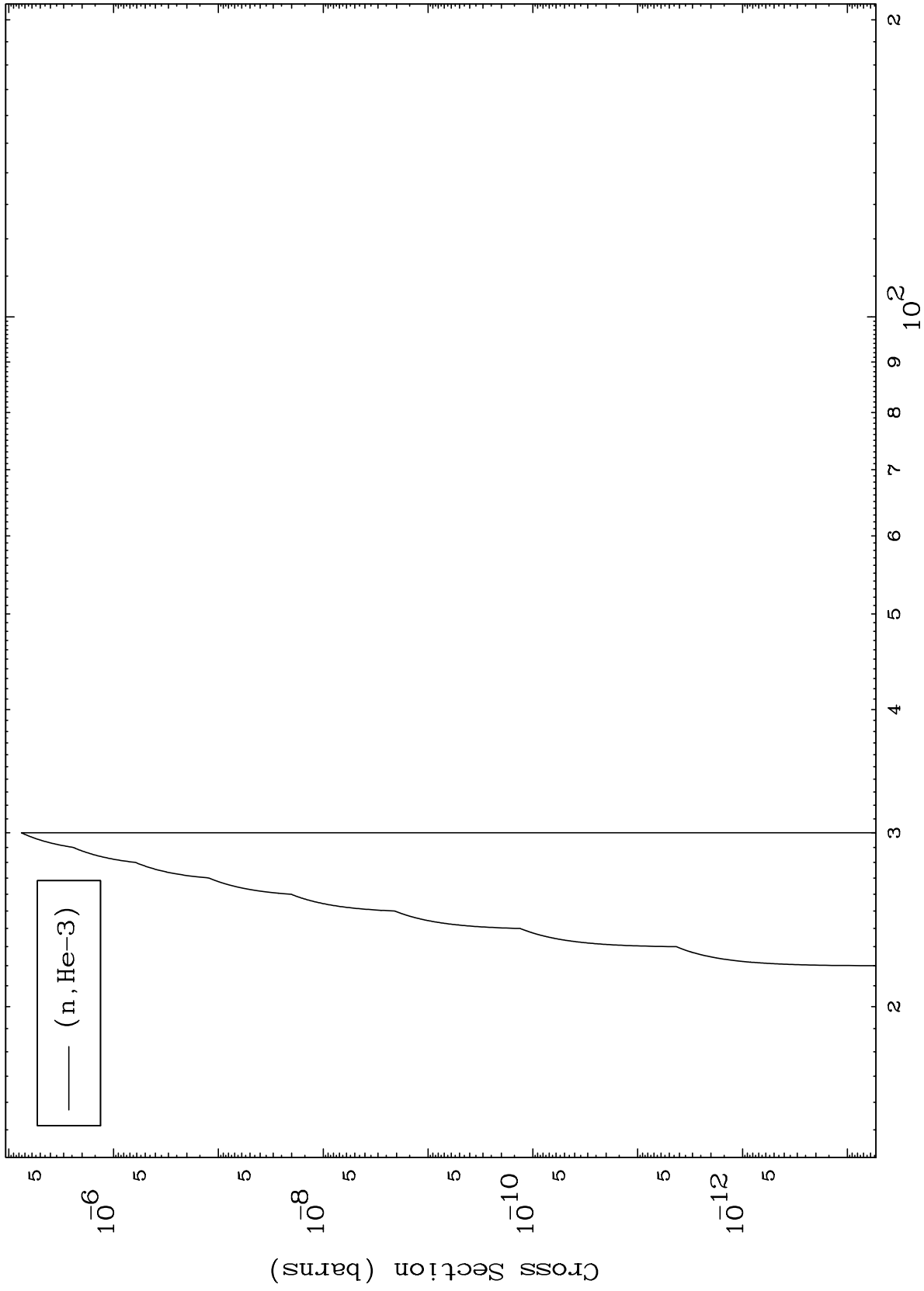
Incident Energy (MeV)

50-Sn-124

MAT 5061

(n,He3) Levels  
293 Kelvin Cross Sections

50-Sn-124



12

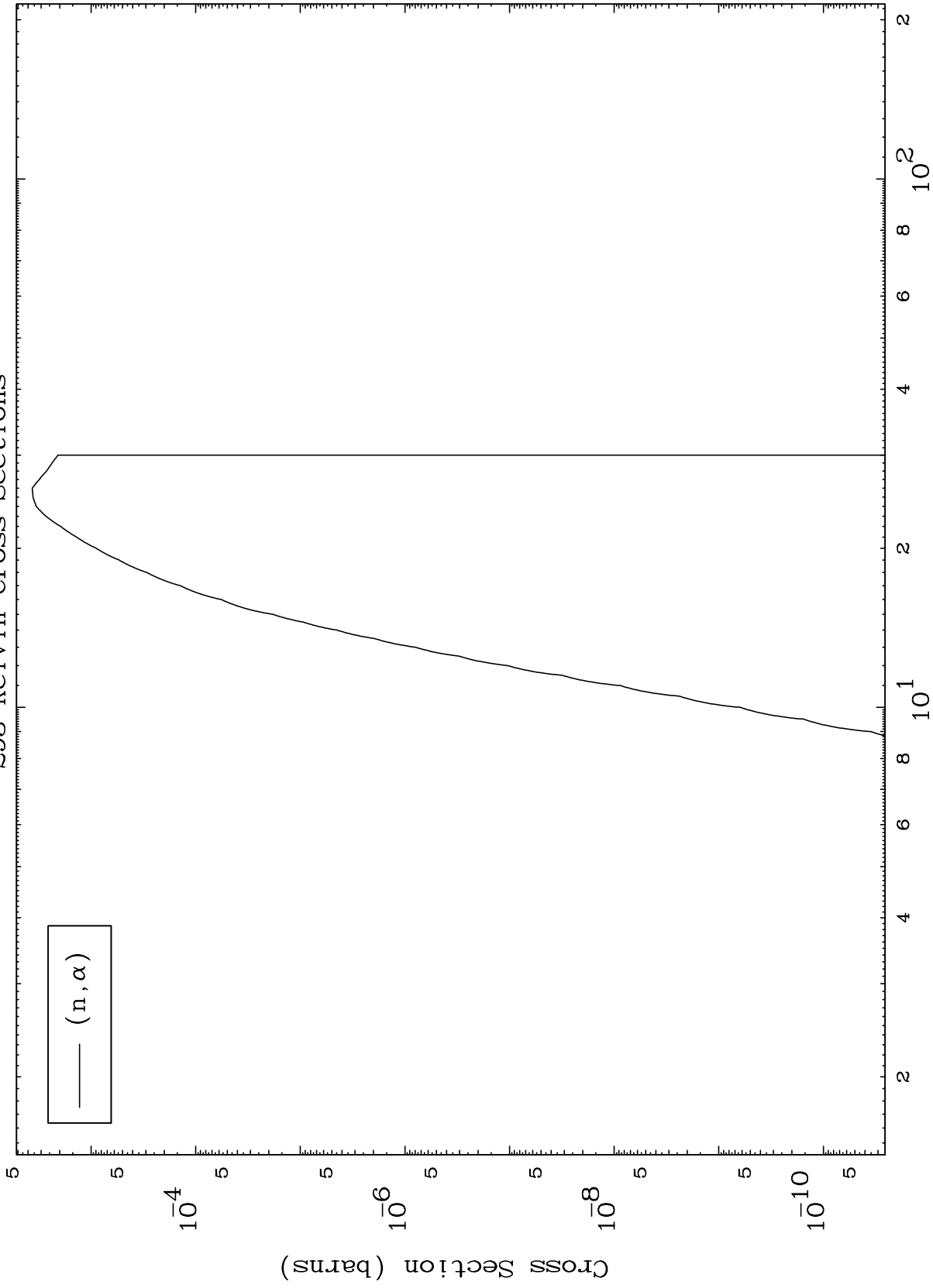
Incident Energy (MeV)

50-Sn-124

MAT 5061

(n,α) Levels  
293 Kelvin Cross Sections

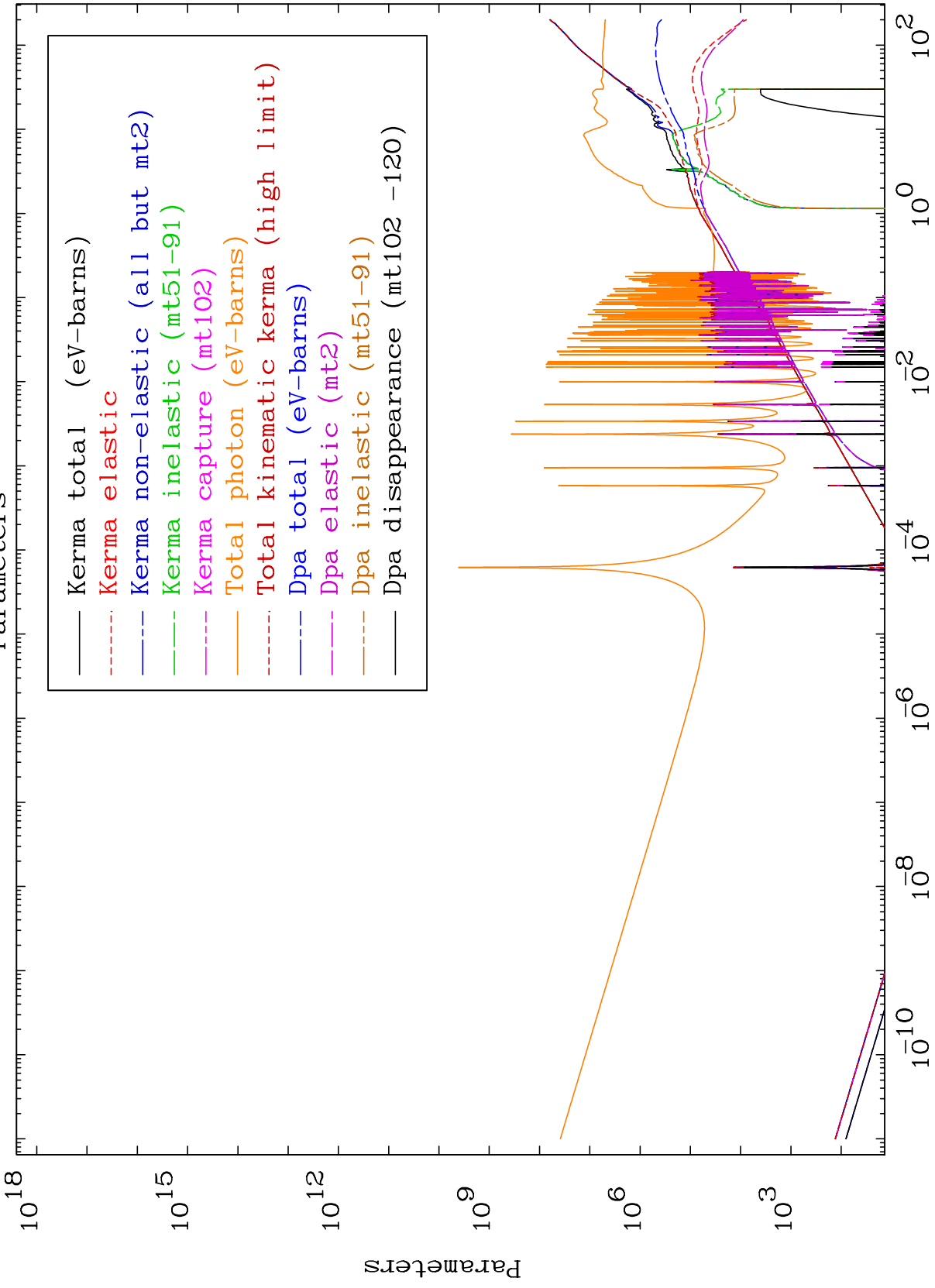
50-Sn-124

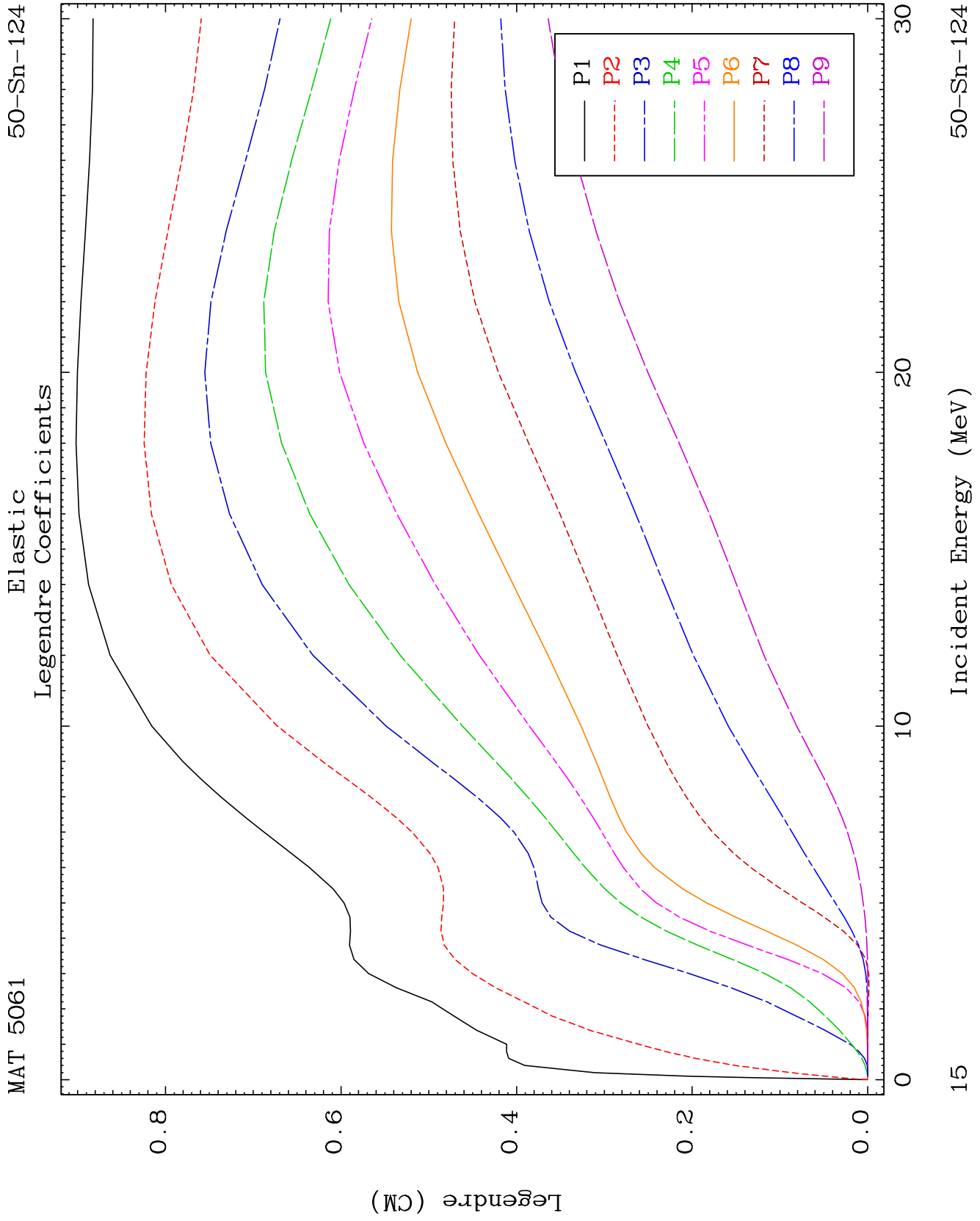


13

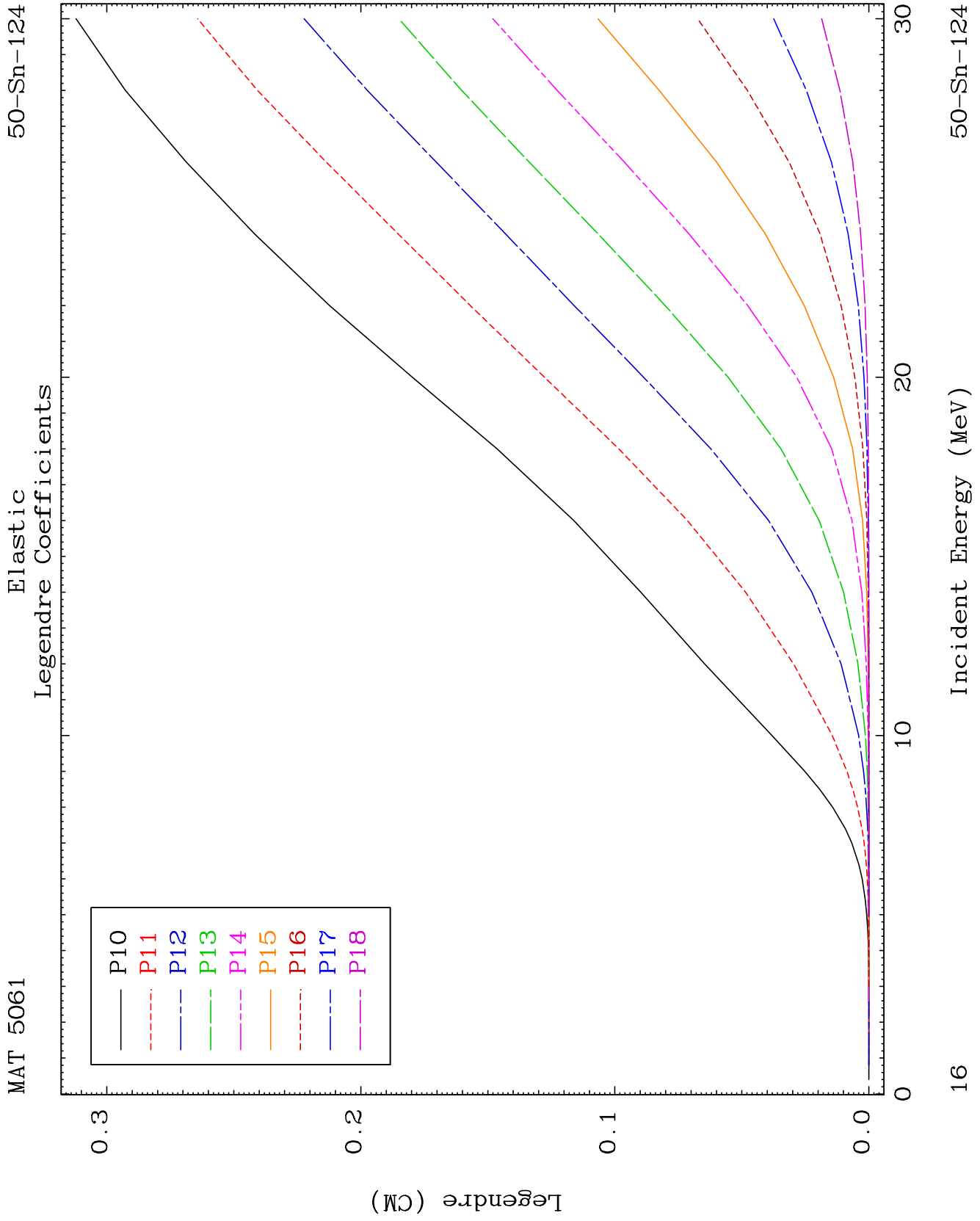
Incident Energy (MeV)

50-Sn-124





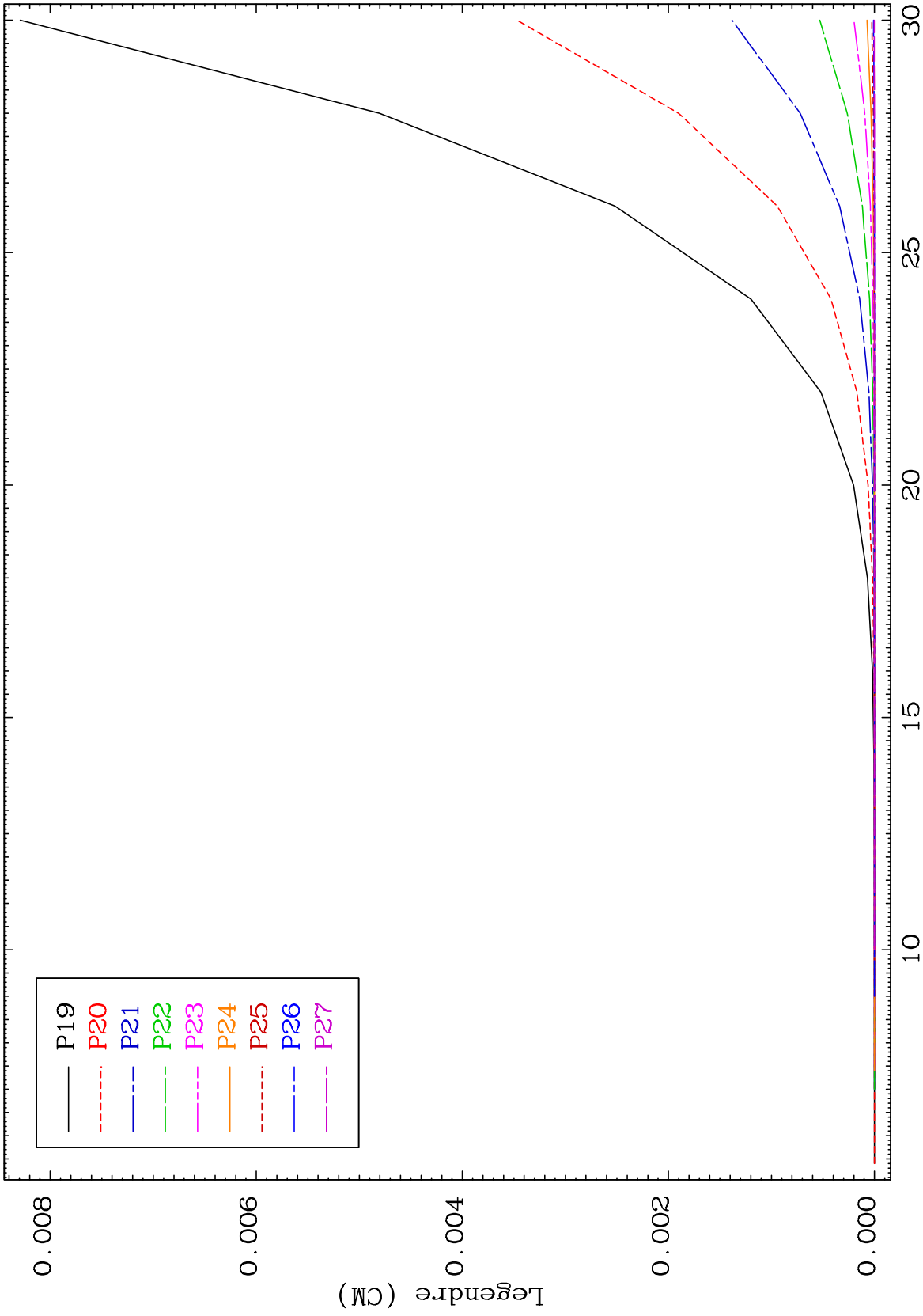




MAT 5061

Elastic Legendre Coefficients

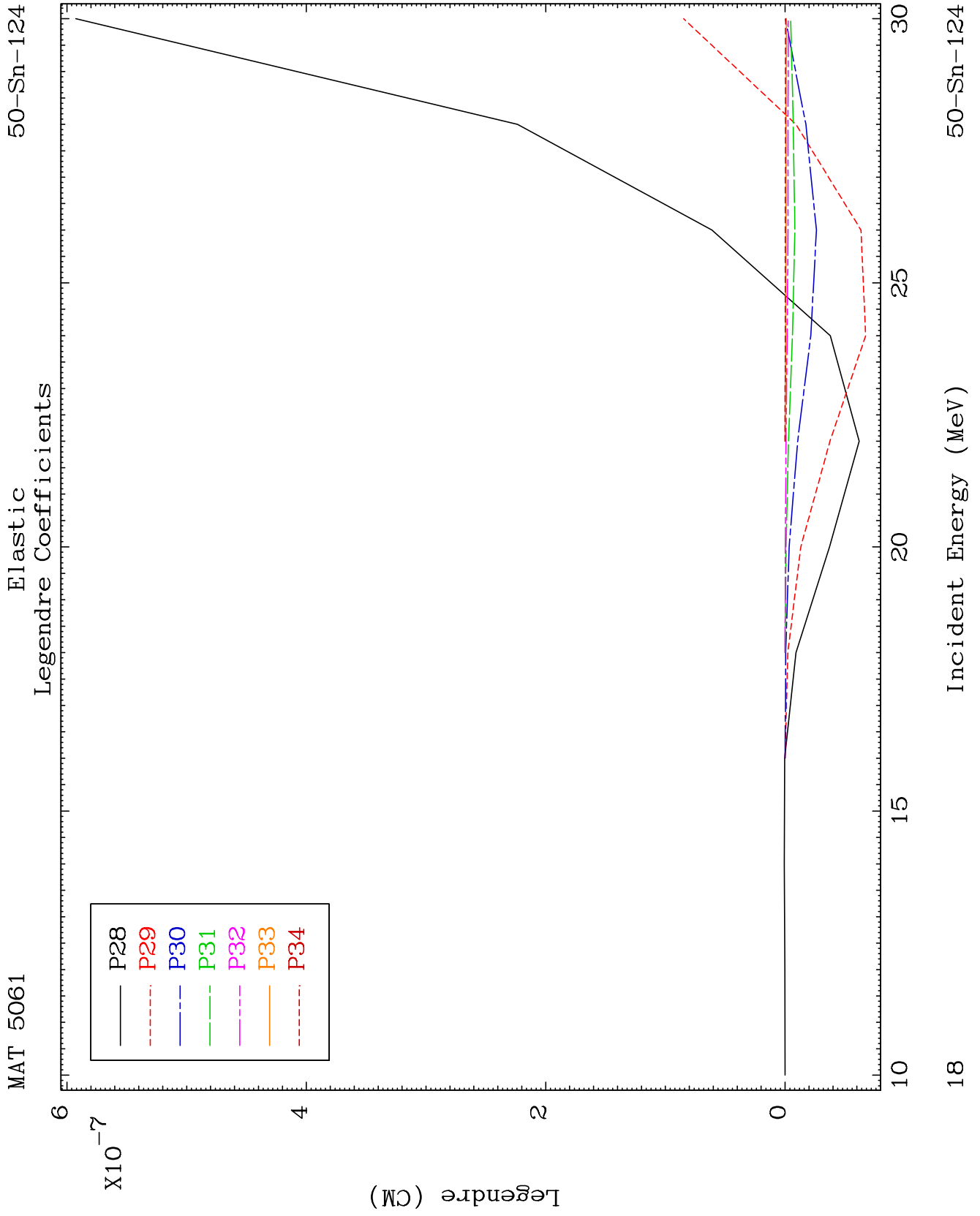
50-Sn-124



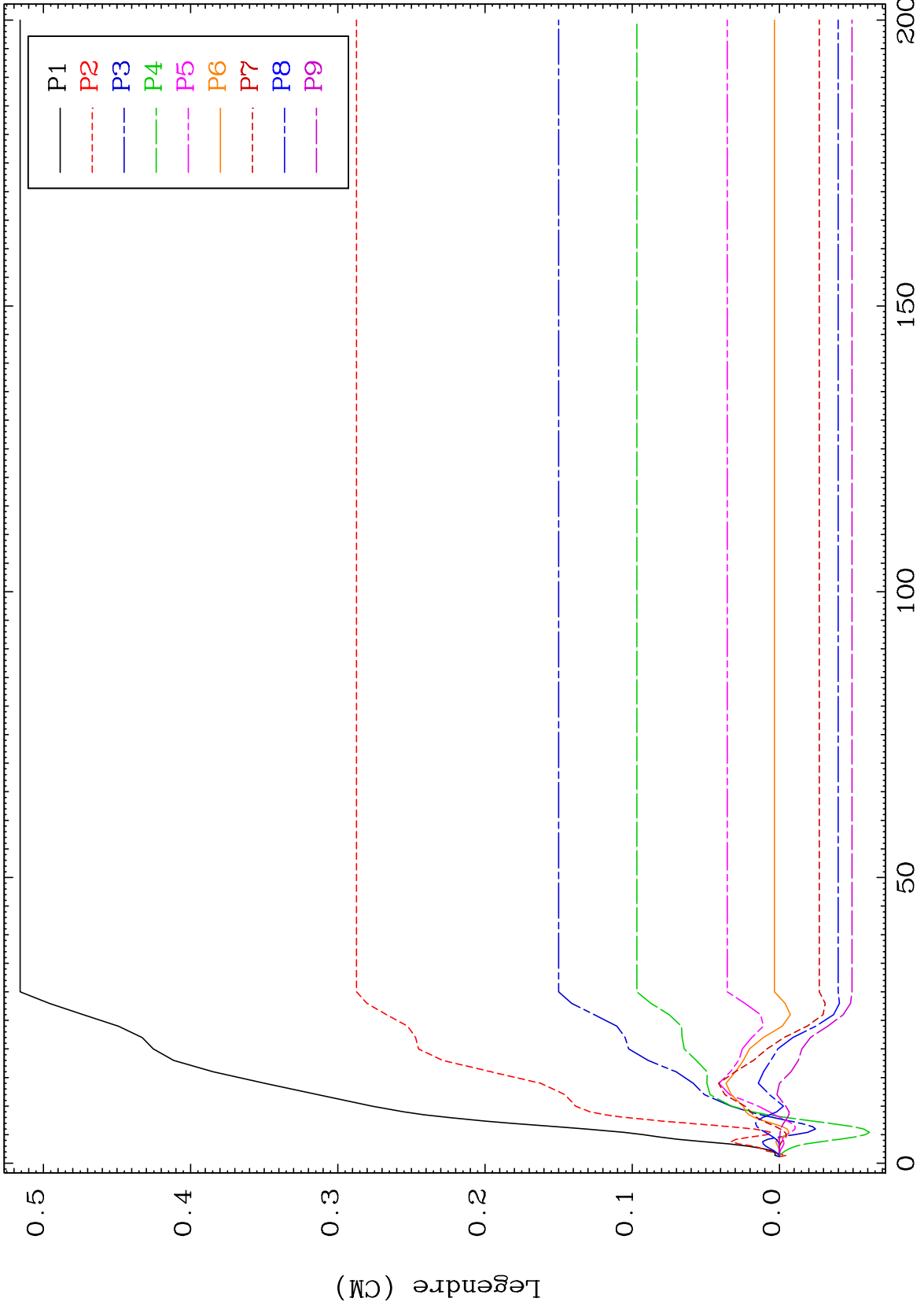
17

Incident Energy (MeV)

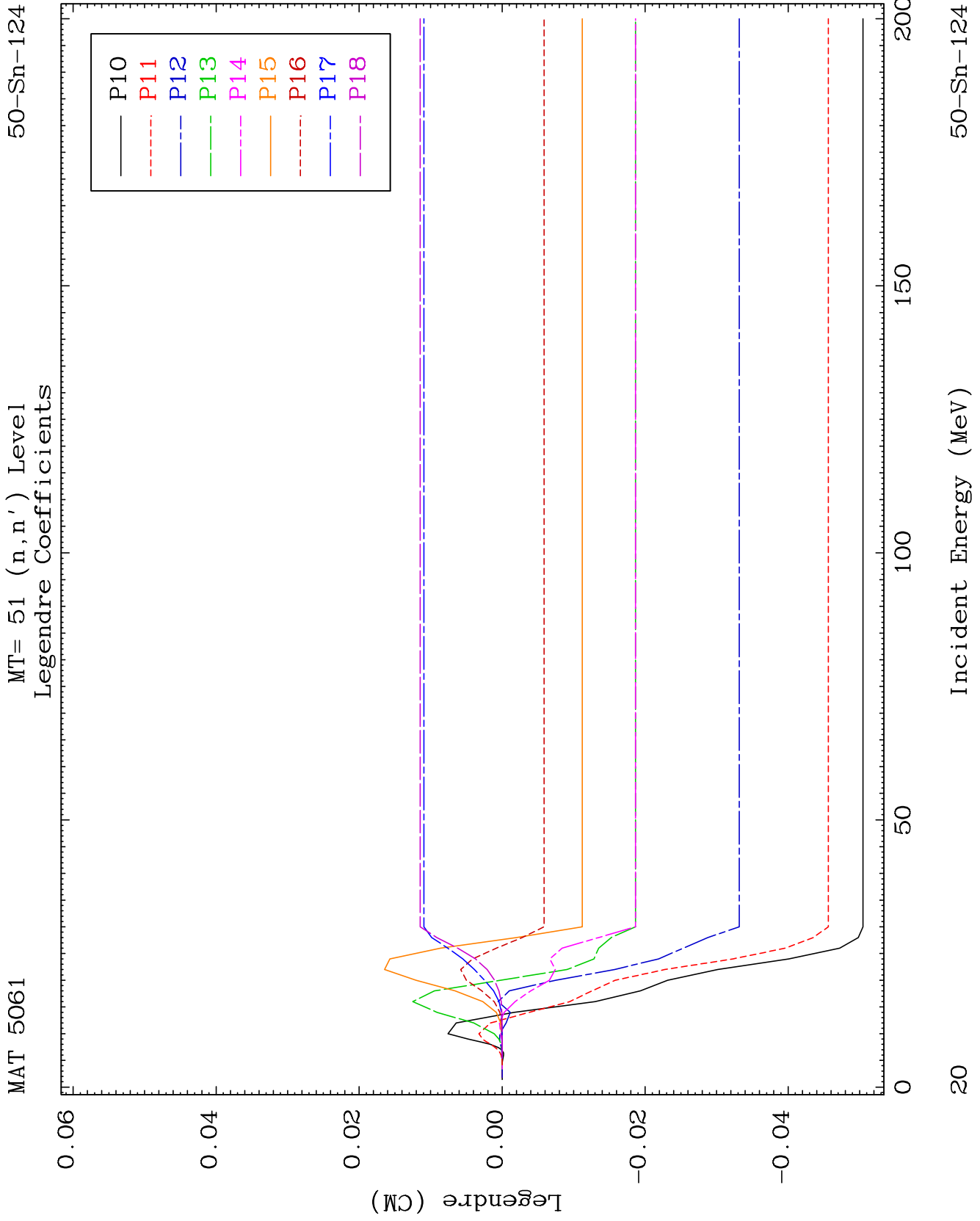
50-Sn-124



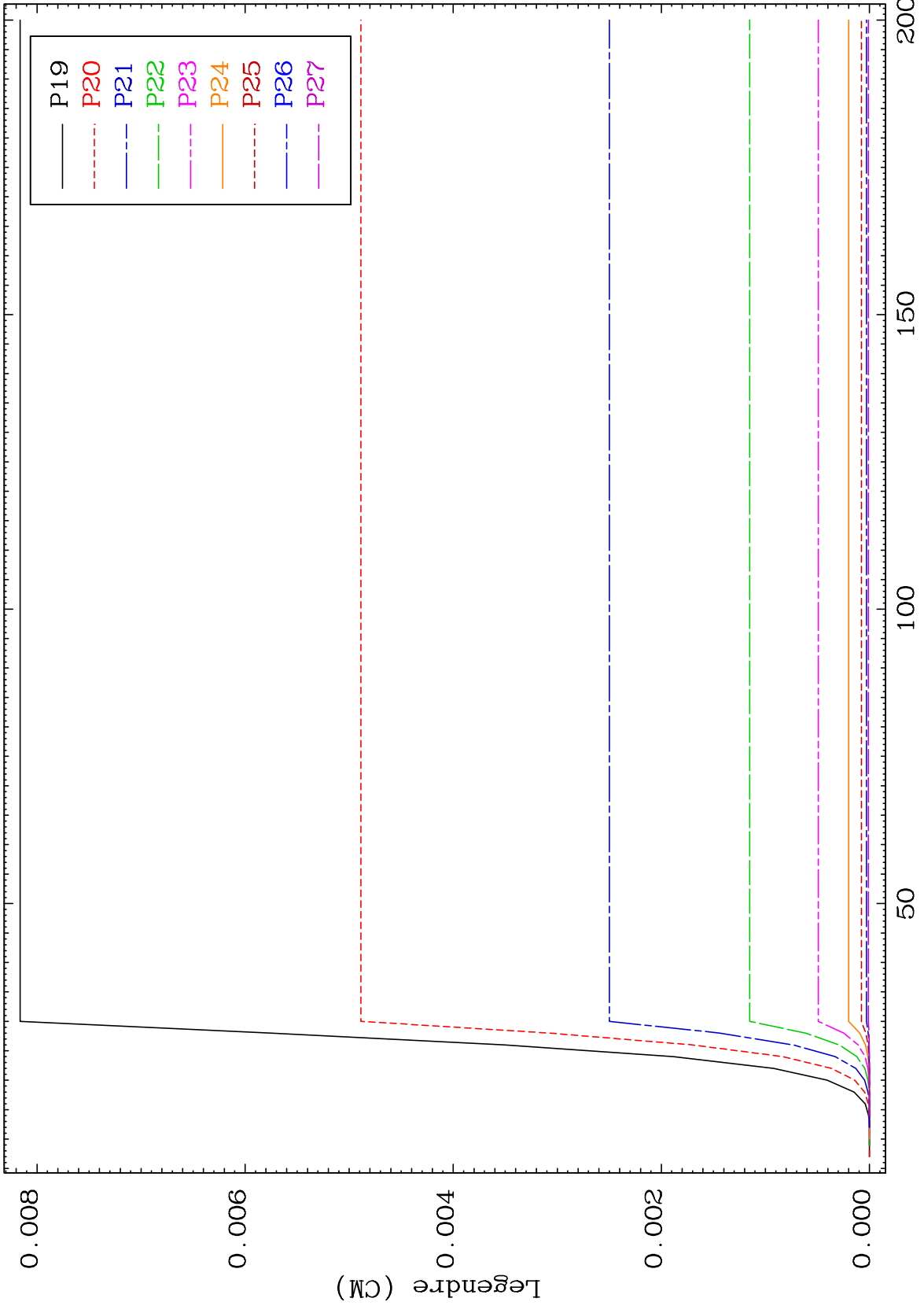
MAT 5061 MT= 51 (n,n') Level Legendre Coefficients 50-Sn-124



19 50-Sn-124



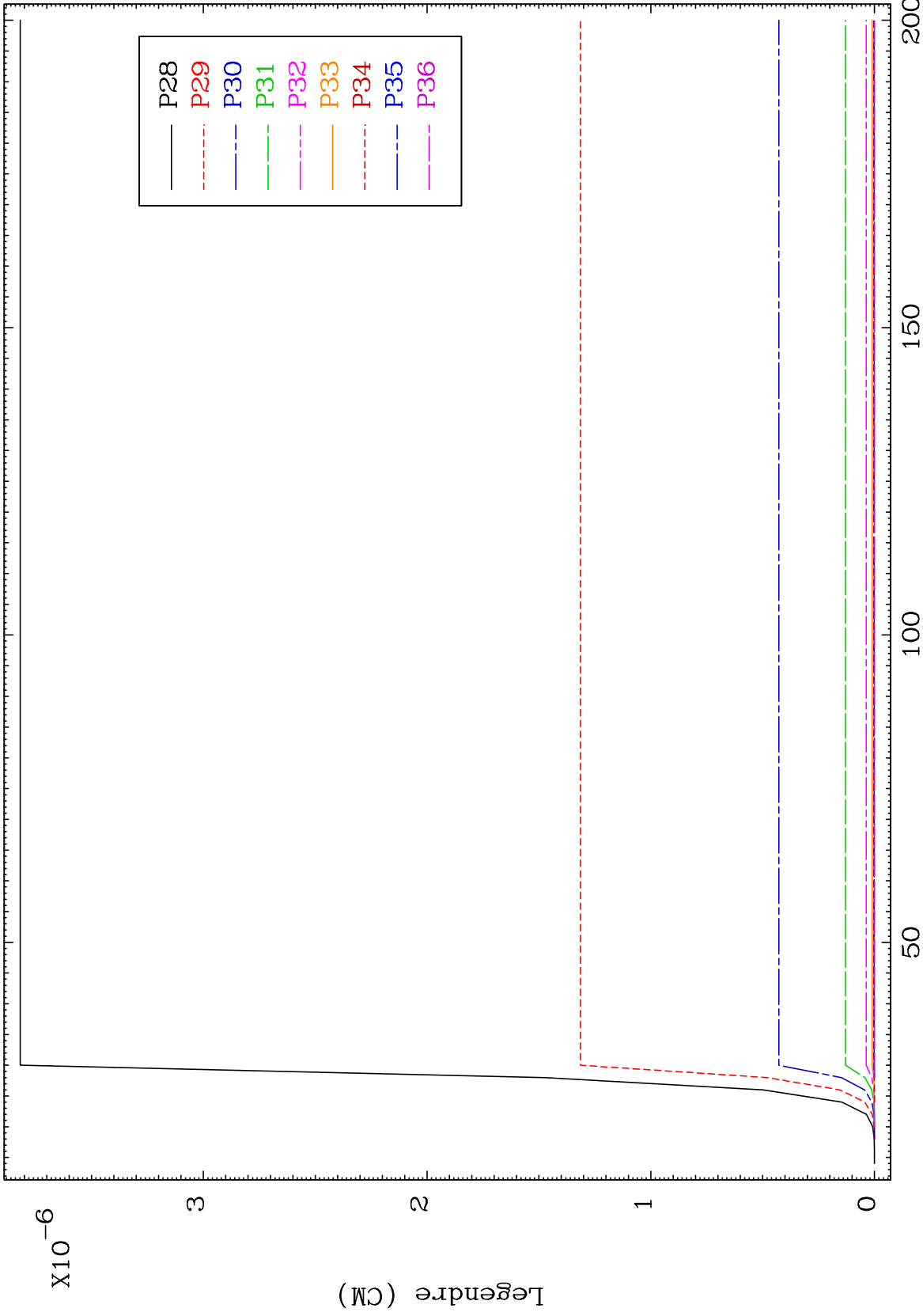
MAT 5061 MT= 51 (n,n') Level Legendre Coefficients 50-Sn-124



MAT 5061

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

50-Sn-124



22

Incident Energy (MeV)

50

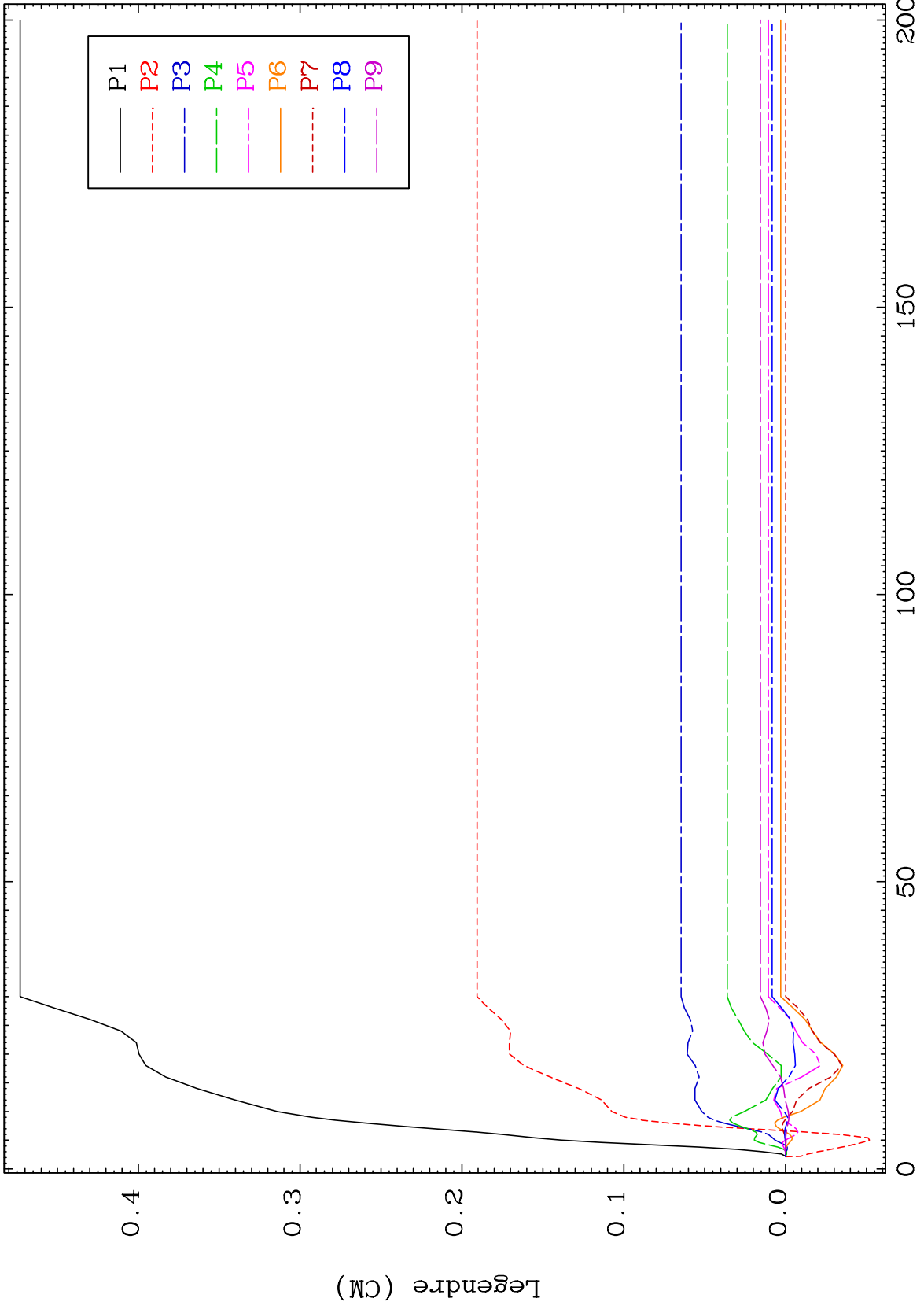
100

150

200

50-Sn-124

MAT 5061 MT= 52 (n,n') Level Legendre Coefficients 50-Sn-124



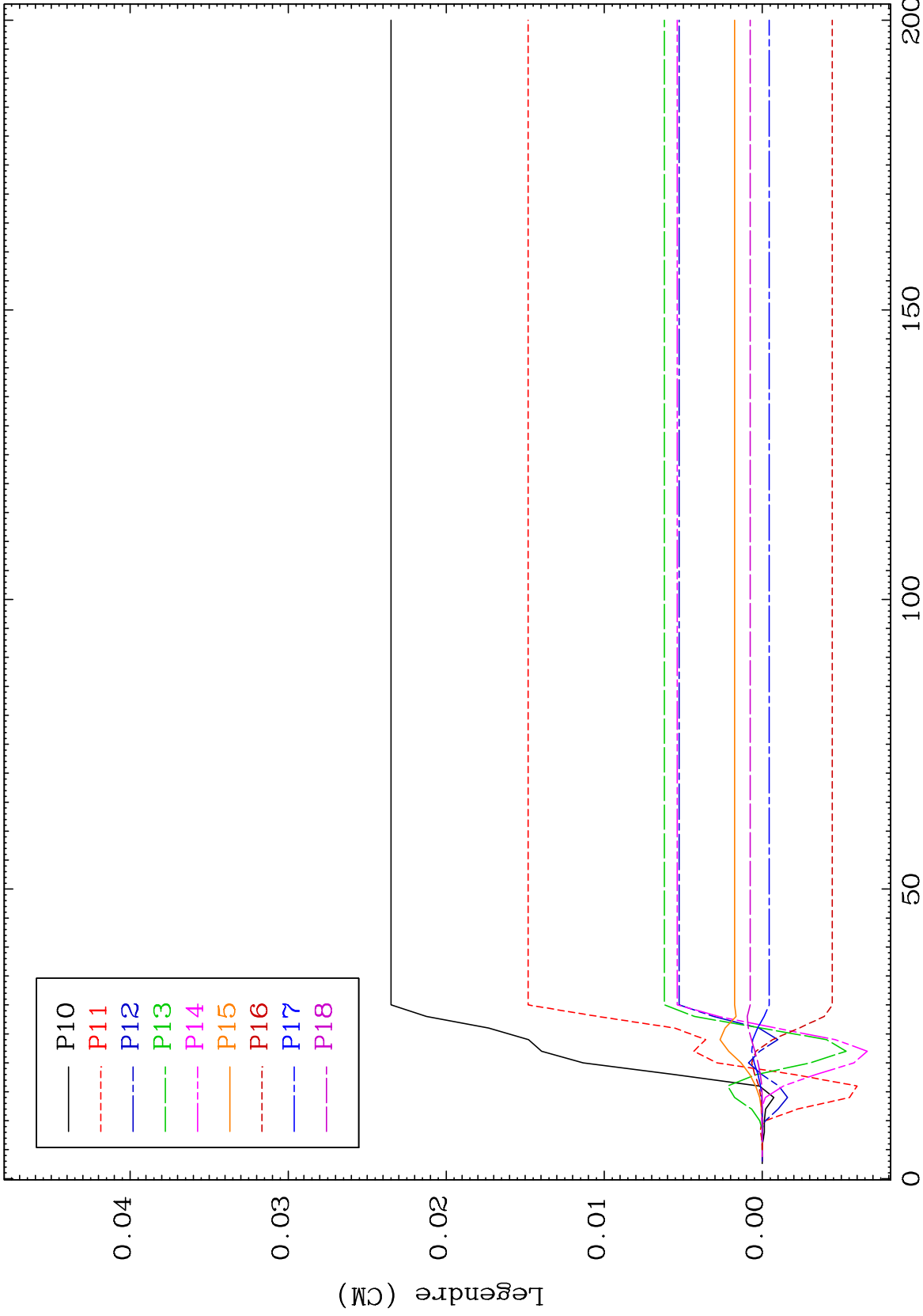
23 50-Sn-124



MAT 5061

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

50-Sn-124



24

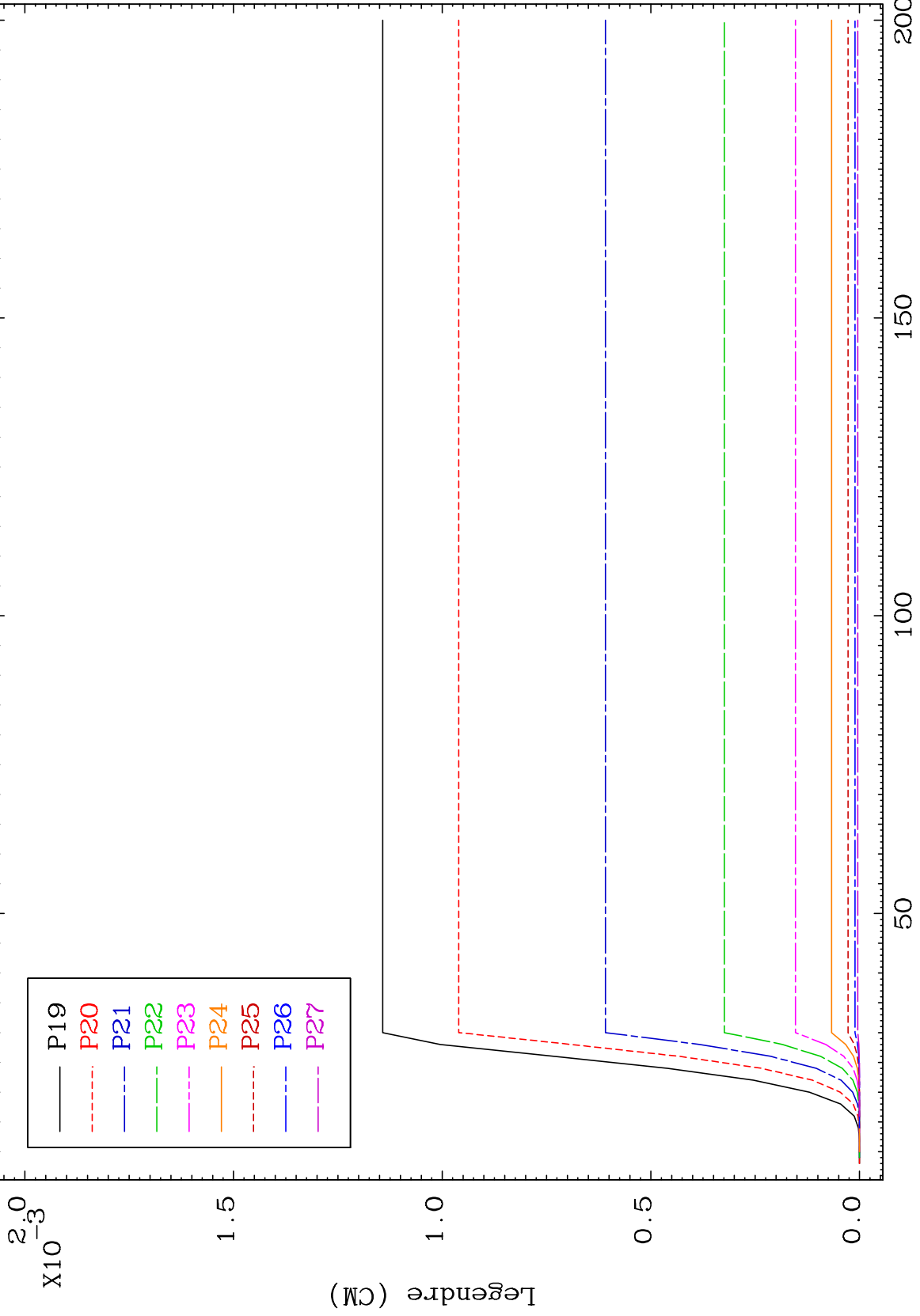
Incident Energy (MeV)

50-Sn-124

MAT 5061

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

50-Sn-124

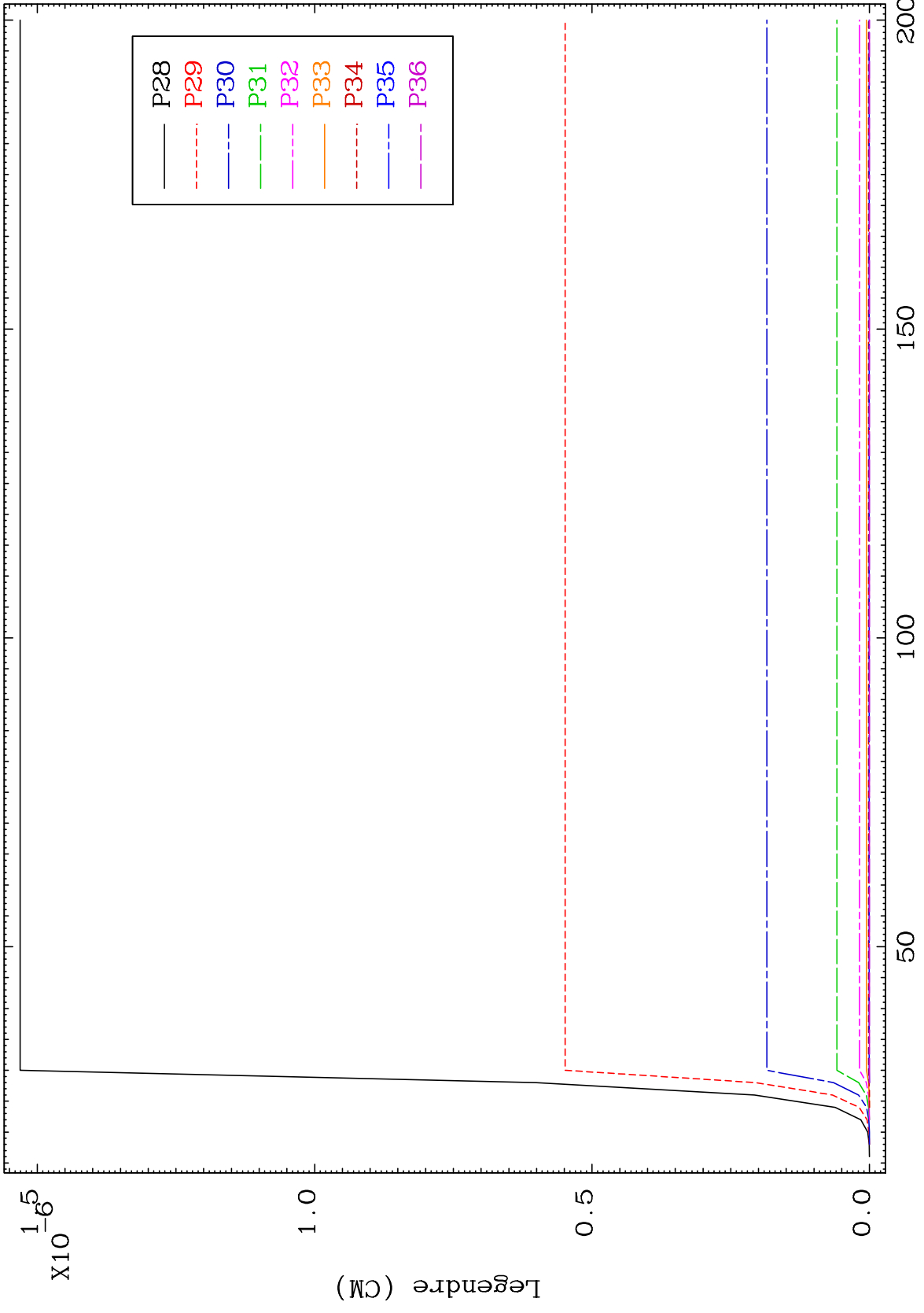


25

Incident Energy (MeV)

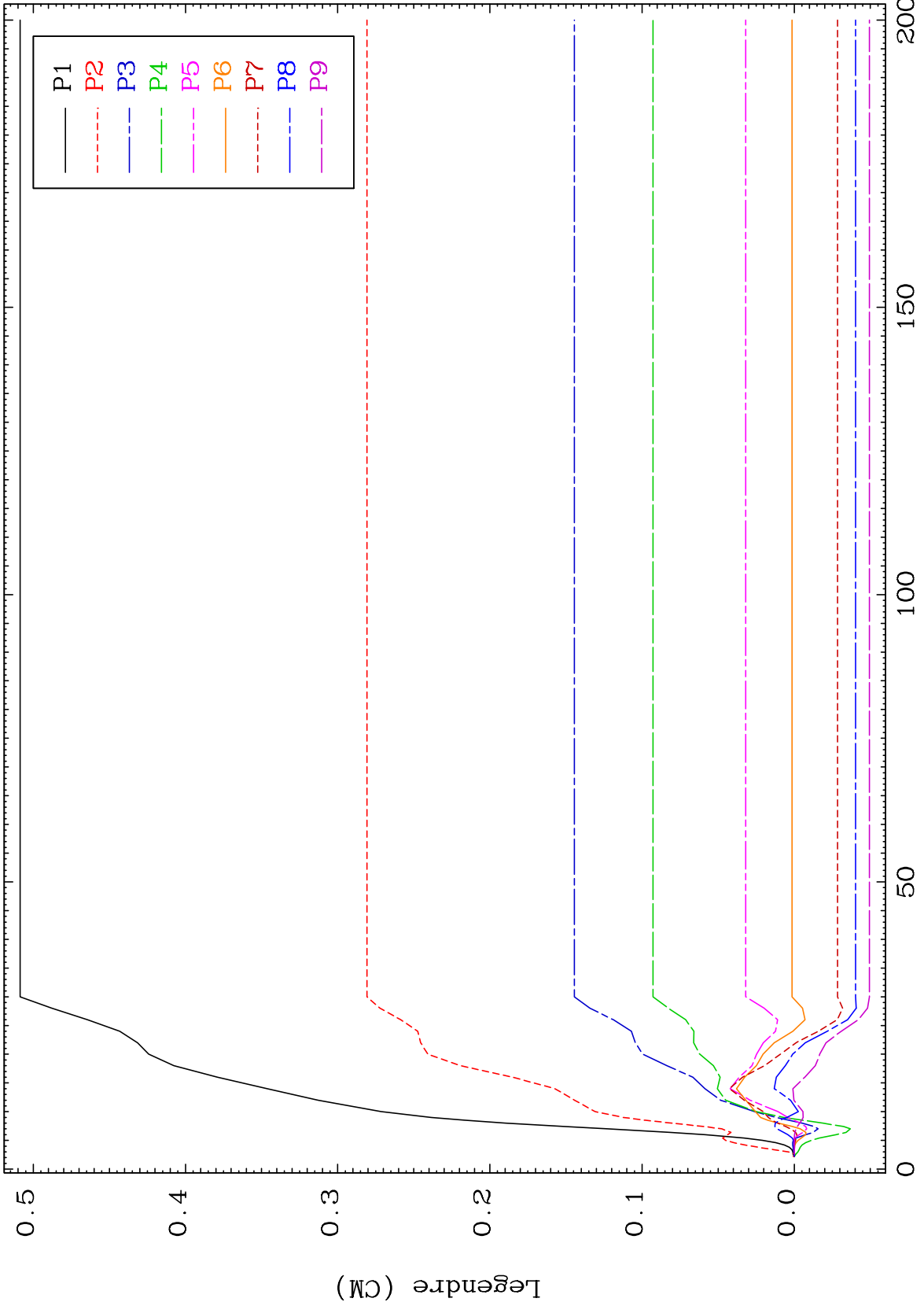
50-Sn-124

MAT 5061 MT= 52 (n,n') Level Legendre Coefficients 50-Sn-124

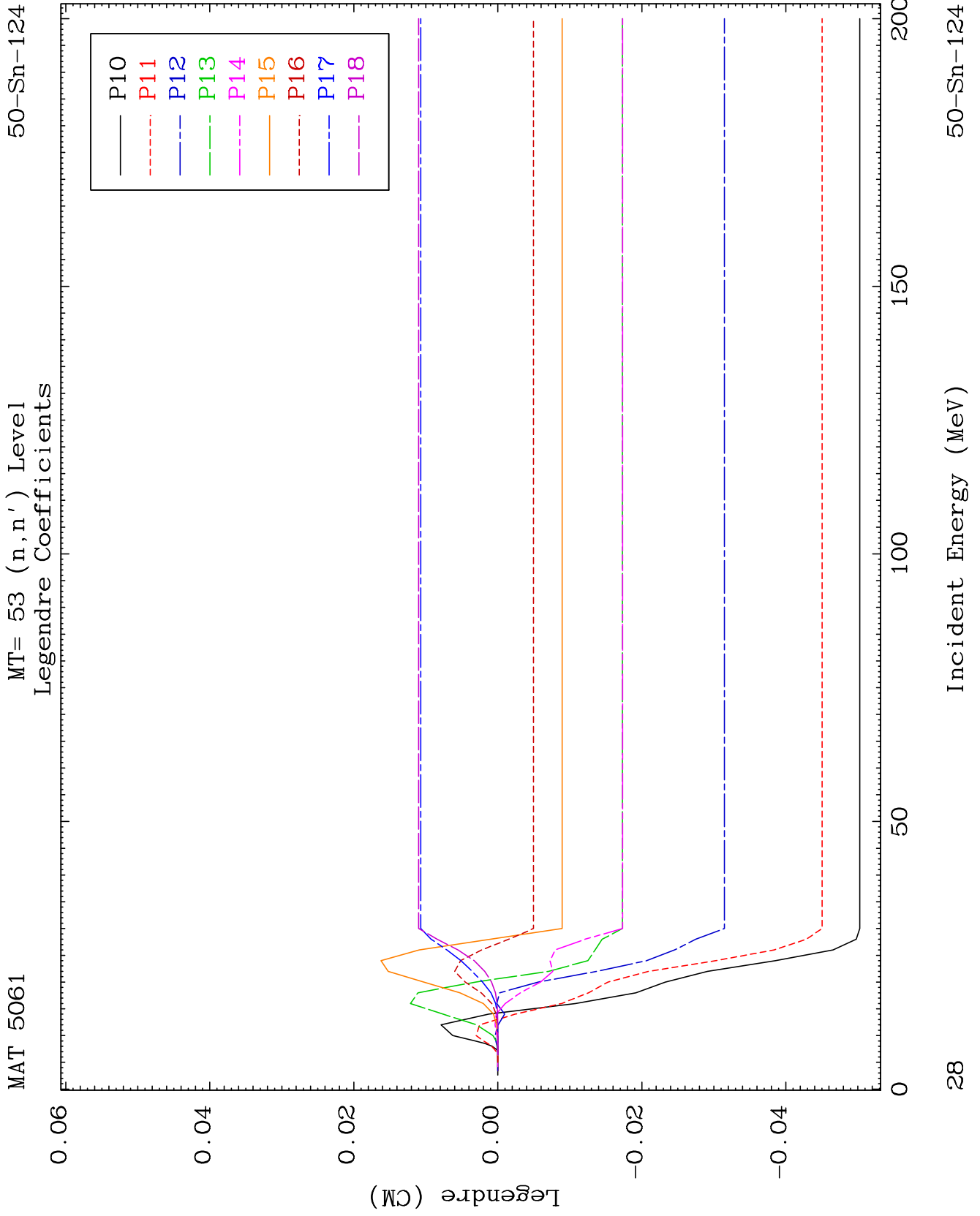


26 Incident Energy (MeV) 50-Sn-124

MAT 5061 MT= 53 (n,n') Level Legendre Coefficients 50-Sn-124



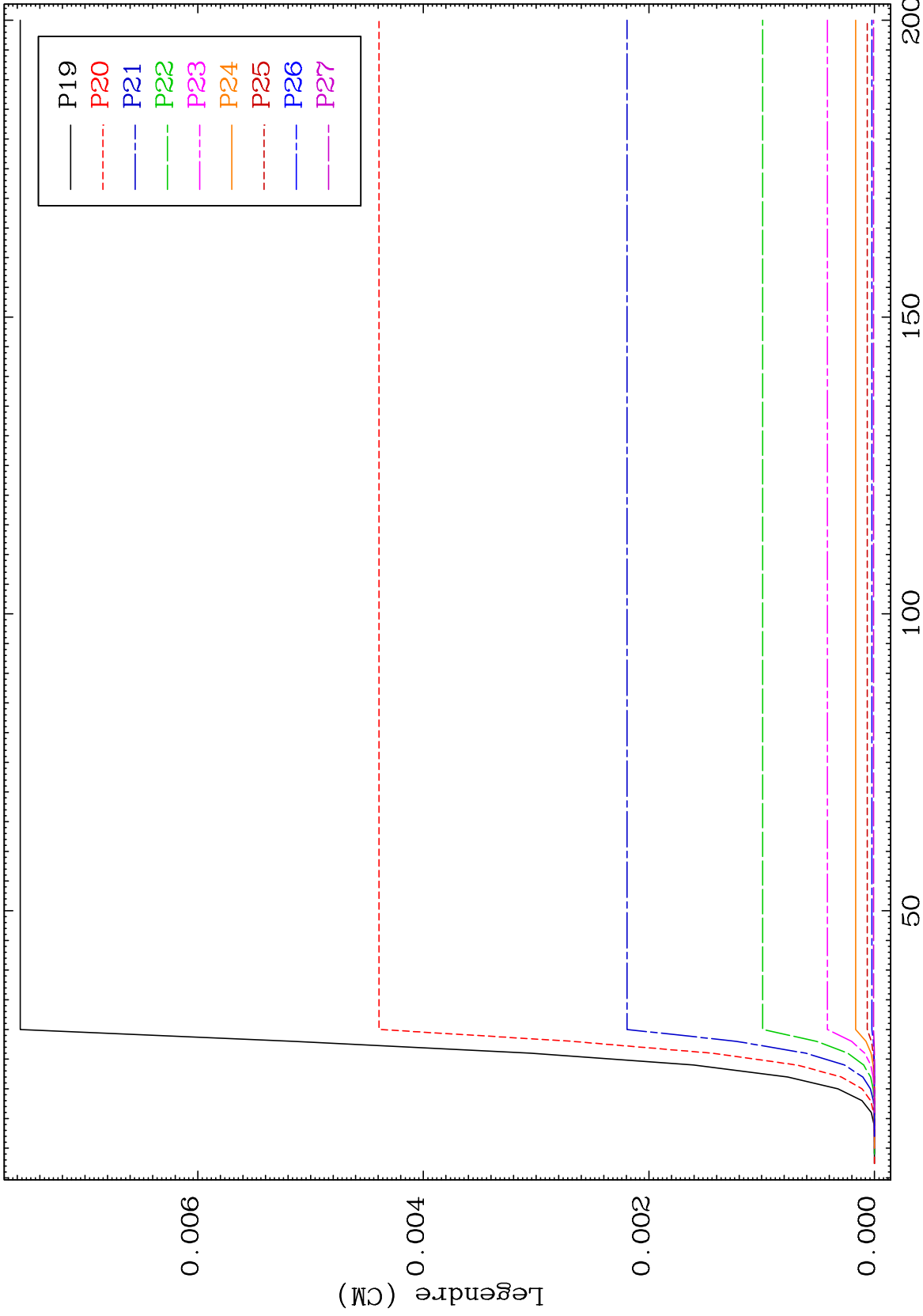
27 Incident Energy (MeV) 50-Sn-124



MAT 5061

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

50-Sn-124



29

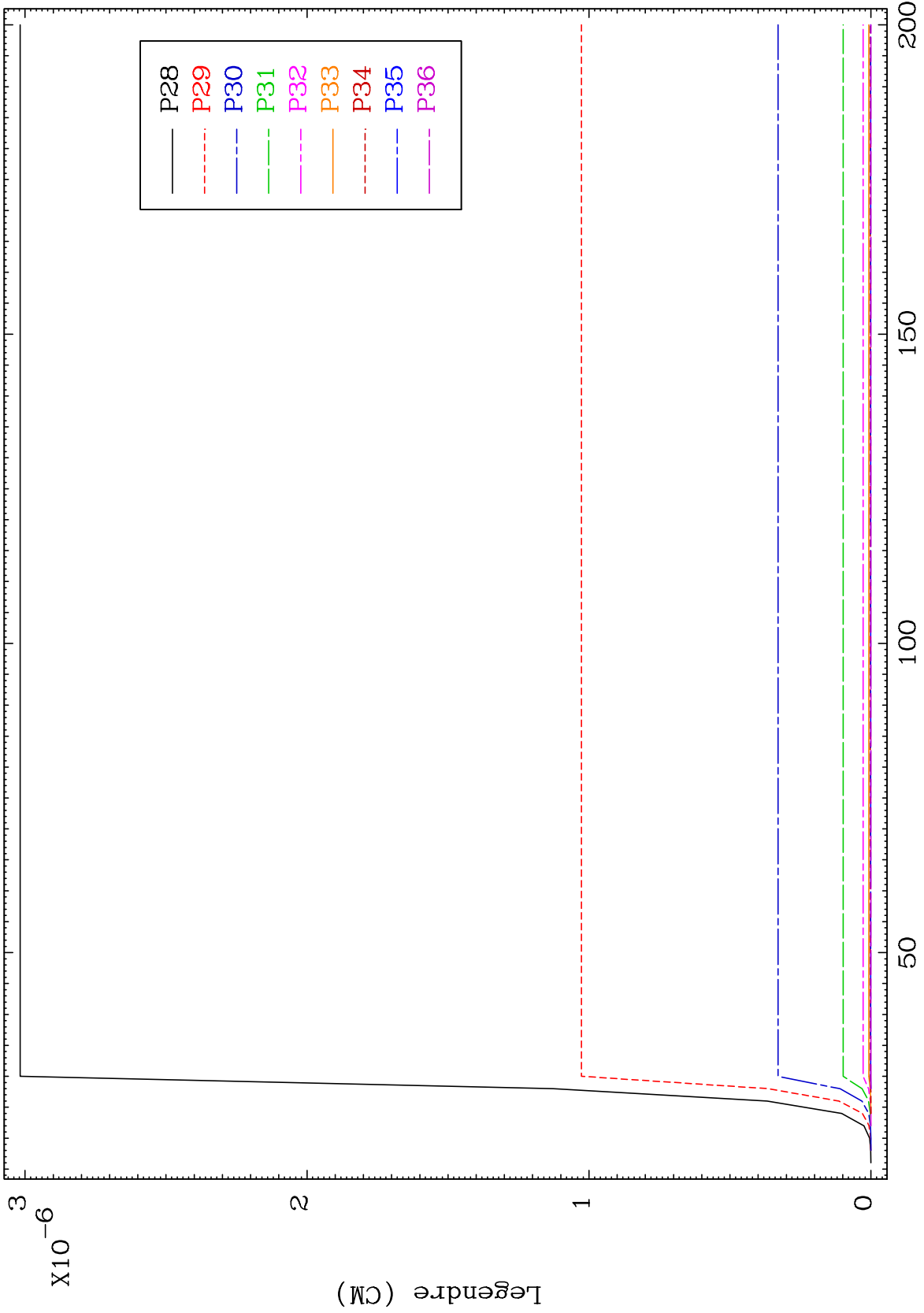
Incident Energy (MeV)

50-Sn-124

MAT 5061

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

50-Sn-124

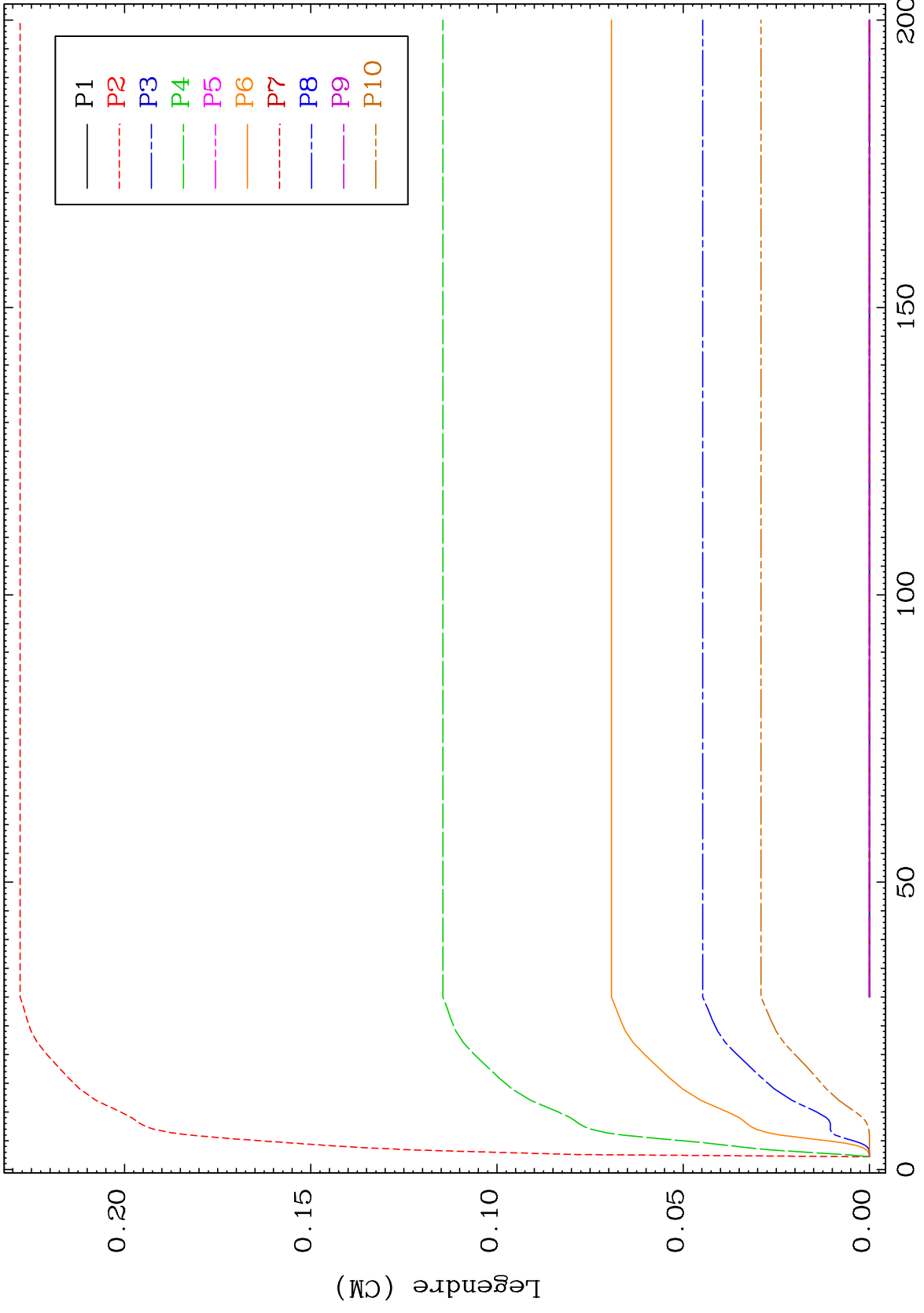


30

Incident Energy (MeV)

50-Sn-124

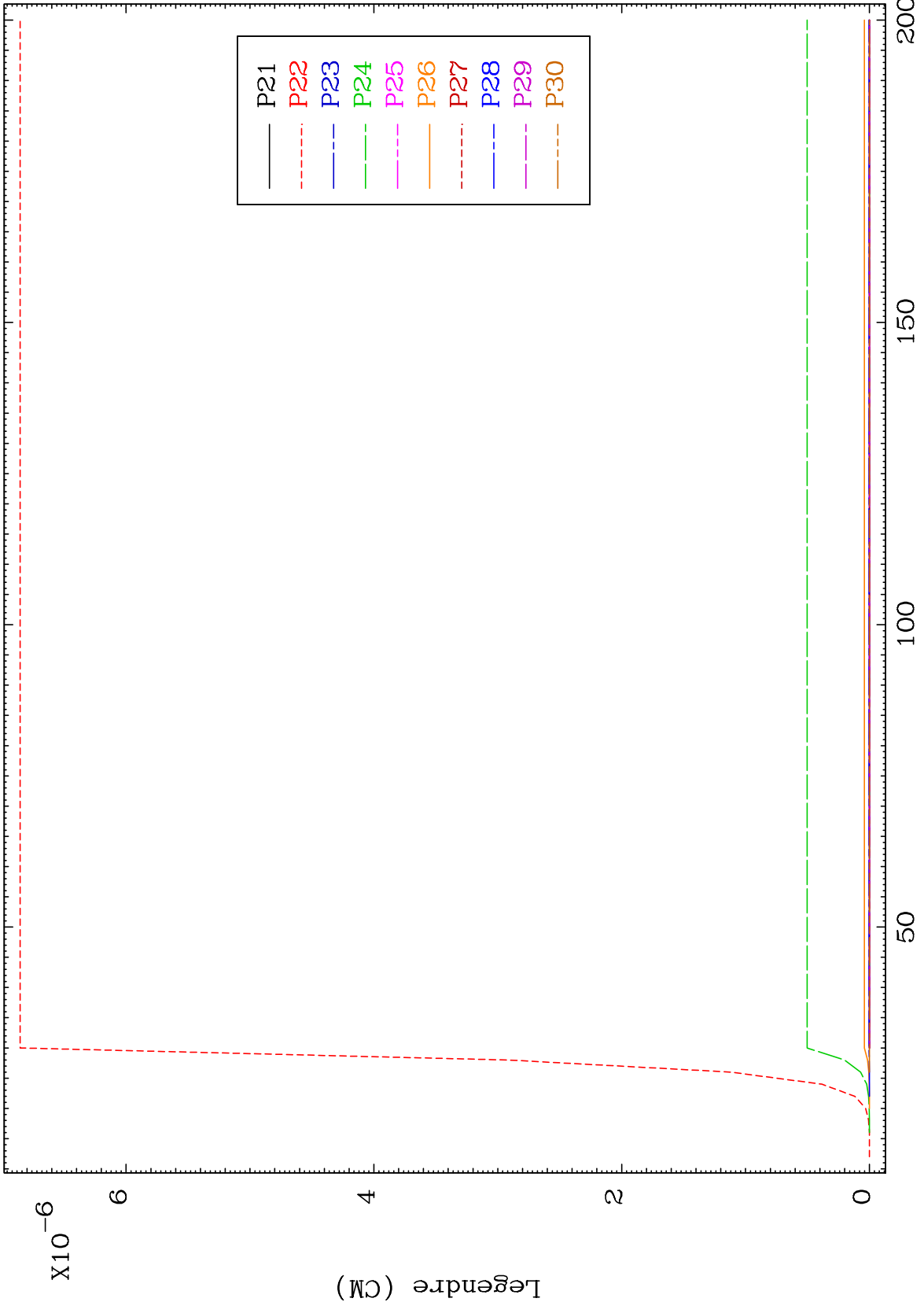
MAT 5061 MT= 54 (n,n') Level Legendre Coefficients 50-Sn-124







MAT 5061 MT= 54 (n,n') Level Legendre Coefficients 50-Sn-124

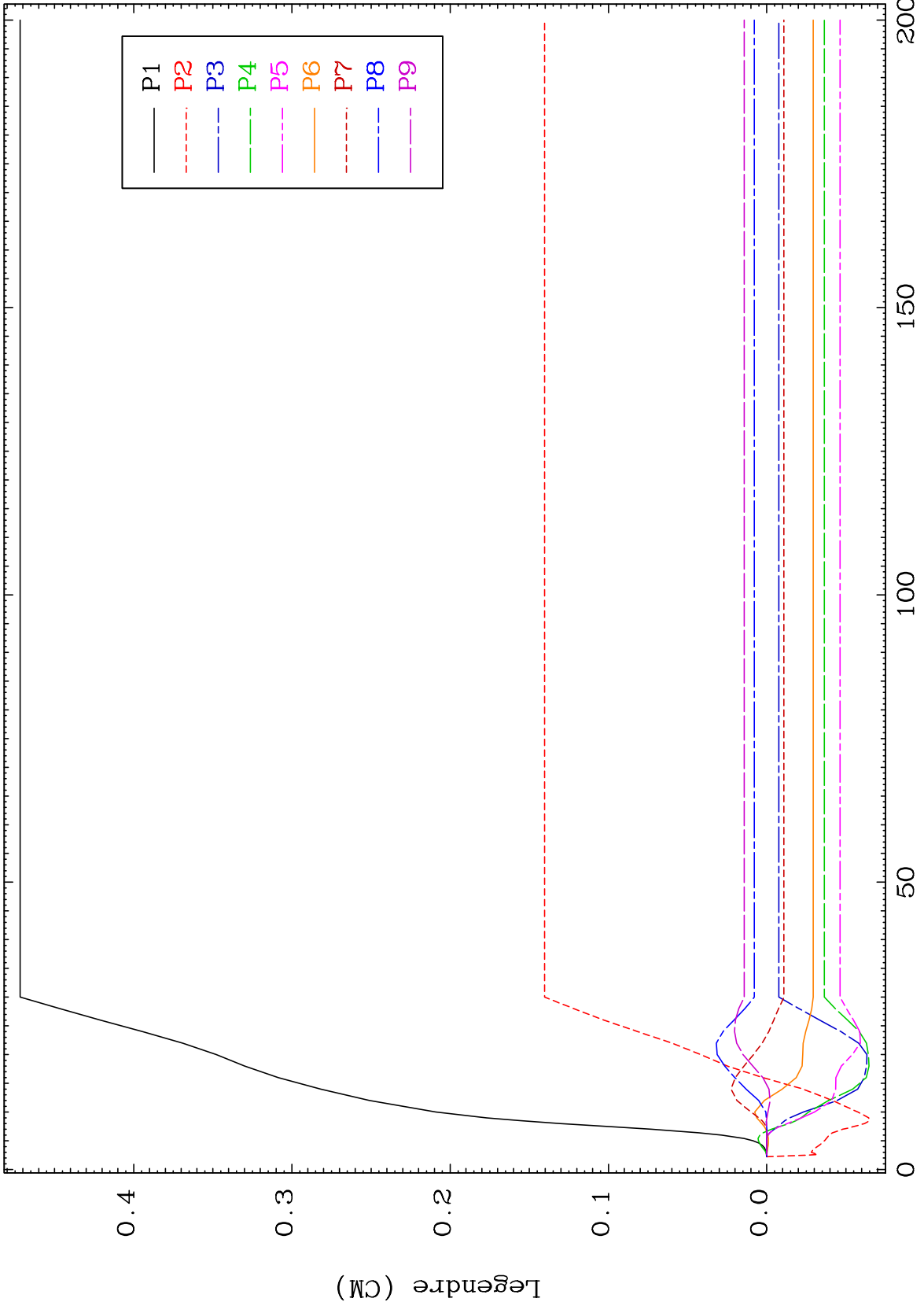


33

Incident Energy (MeV)

50-Sn-124

MAT 5061 MT= 55 (n,n') Level Legendre Coefficients 50-Sn-124

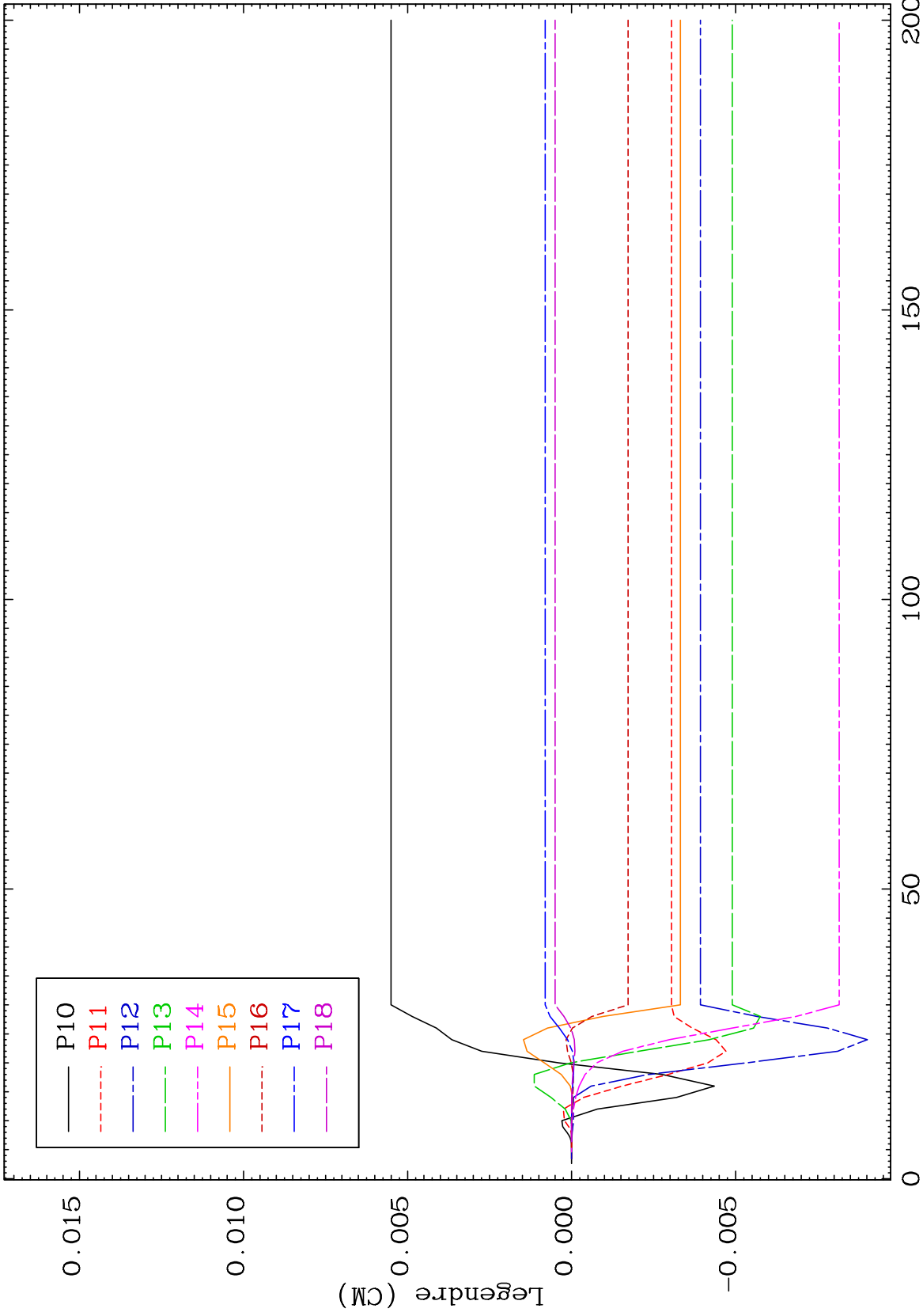


34 50-Sn-124

MAT 5061

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

50-Sn-124



35

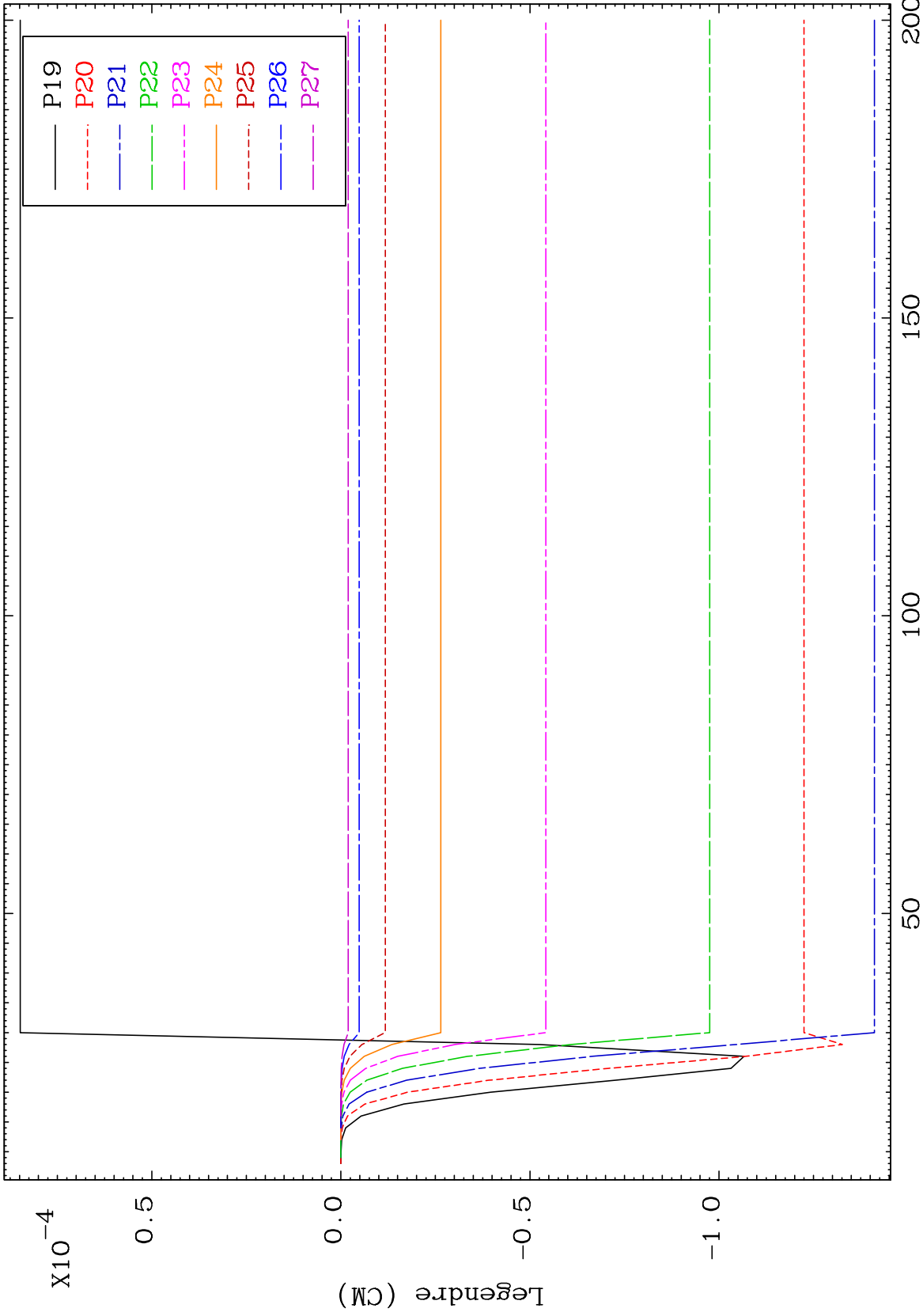
Incident Energy (MeV)

50-Sn-124

MAT 5061

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

50-Sn-124

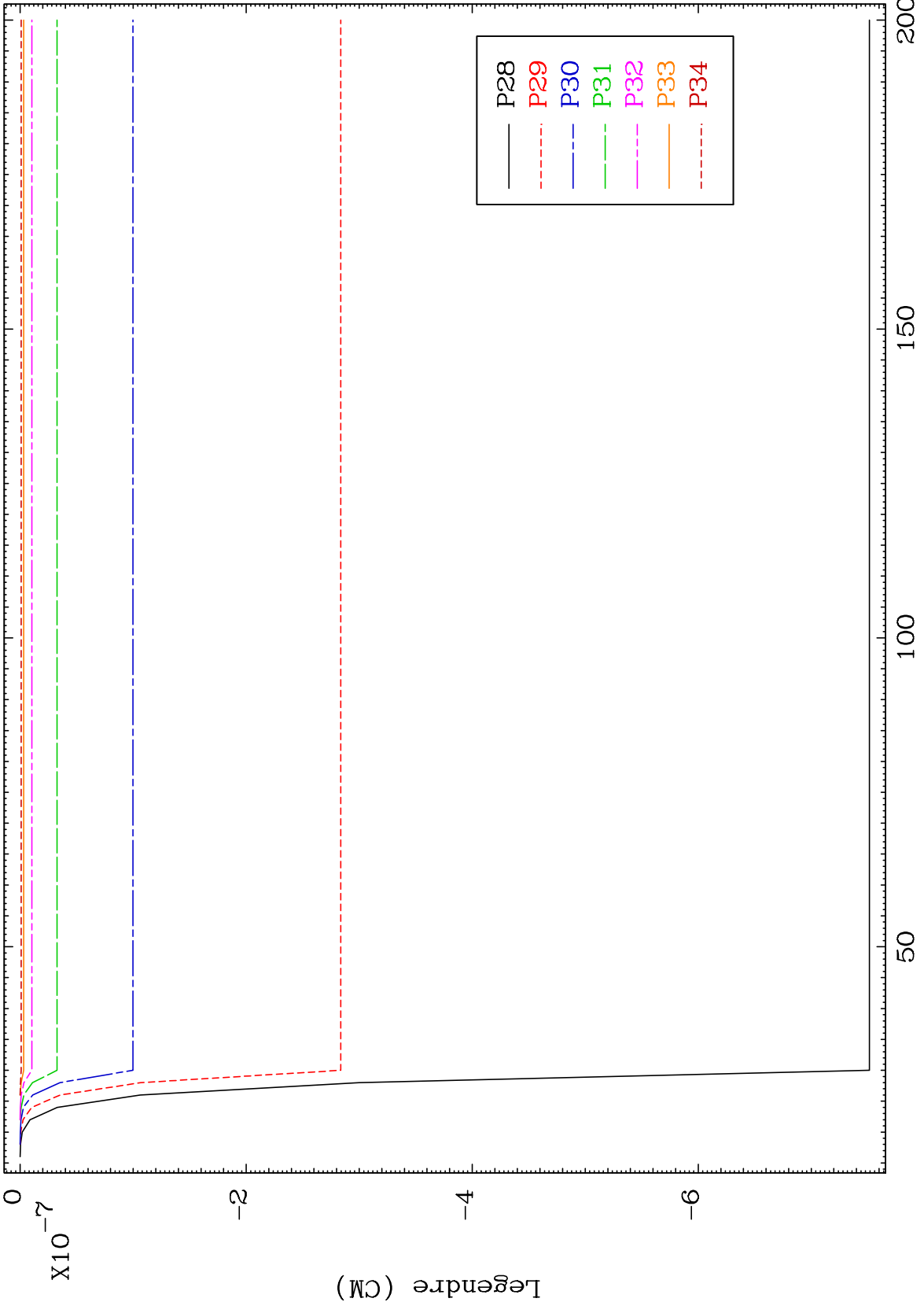


36

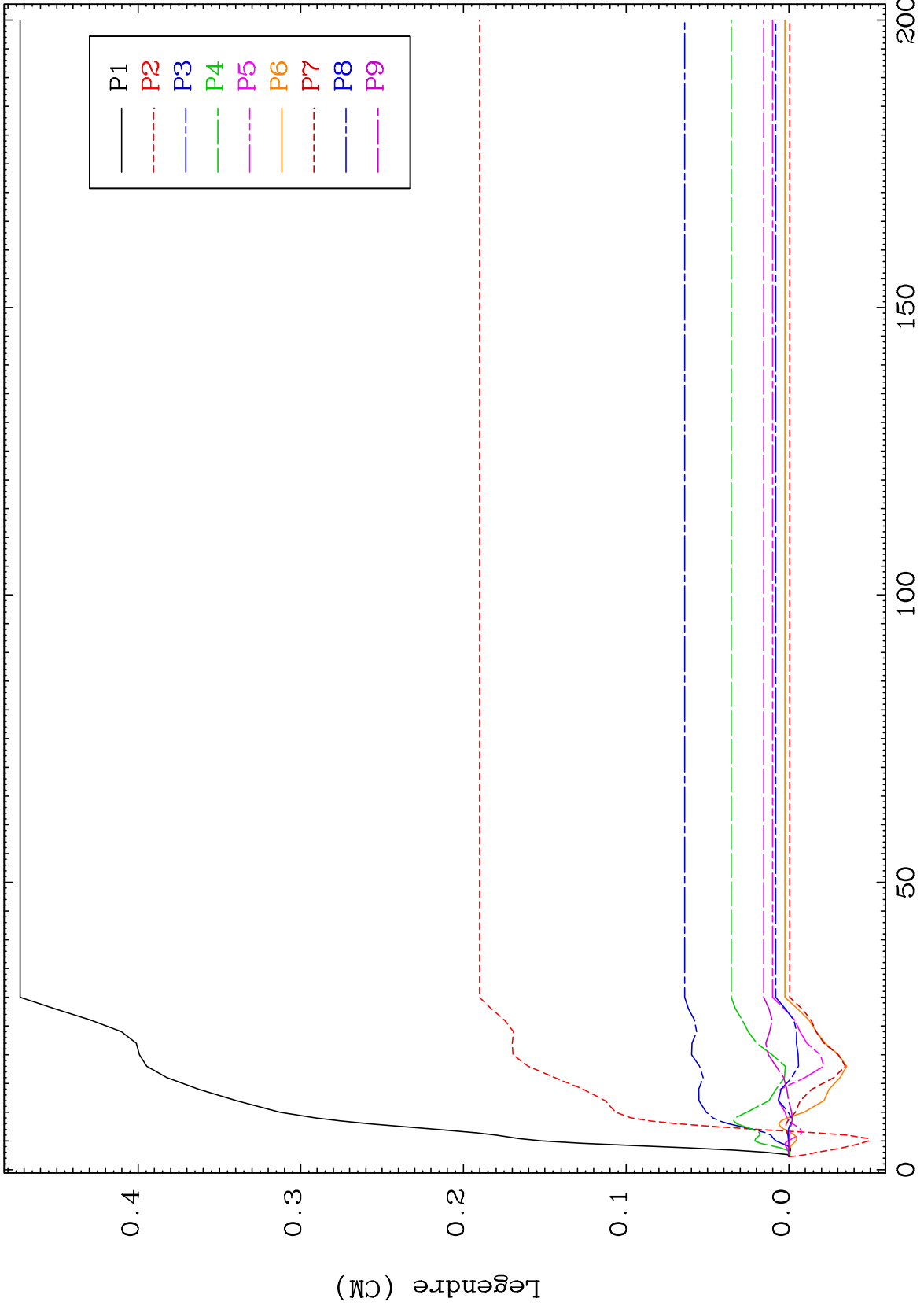
Incident Energy (MeV)

50-Sn-124

MAT 5061 MT= 55 (n,n') Level Legendre Coefficients 50-Sn-124



MAT 5061 MT= 56 (n,n') Level Legendre Coefficients 50-Sn-124

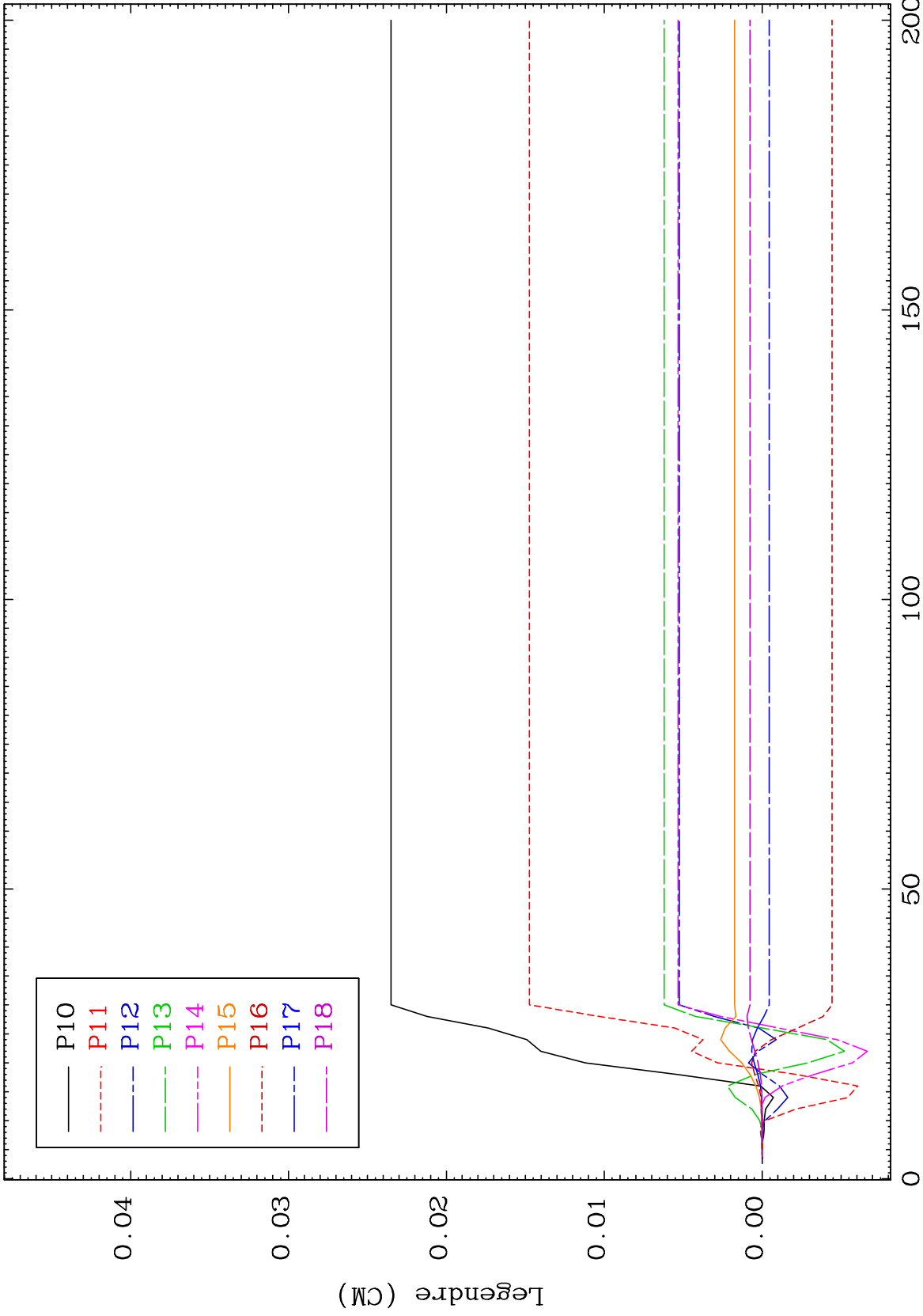


38 Incident Energy (MeV) 50-Sn-124

MAT 5061

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

50-Sn-124



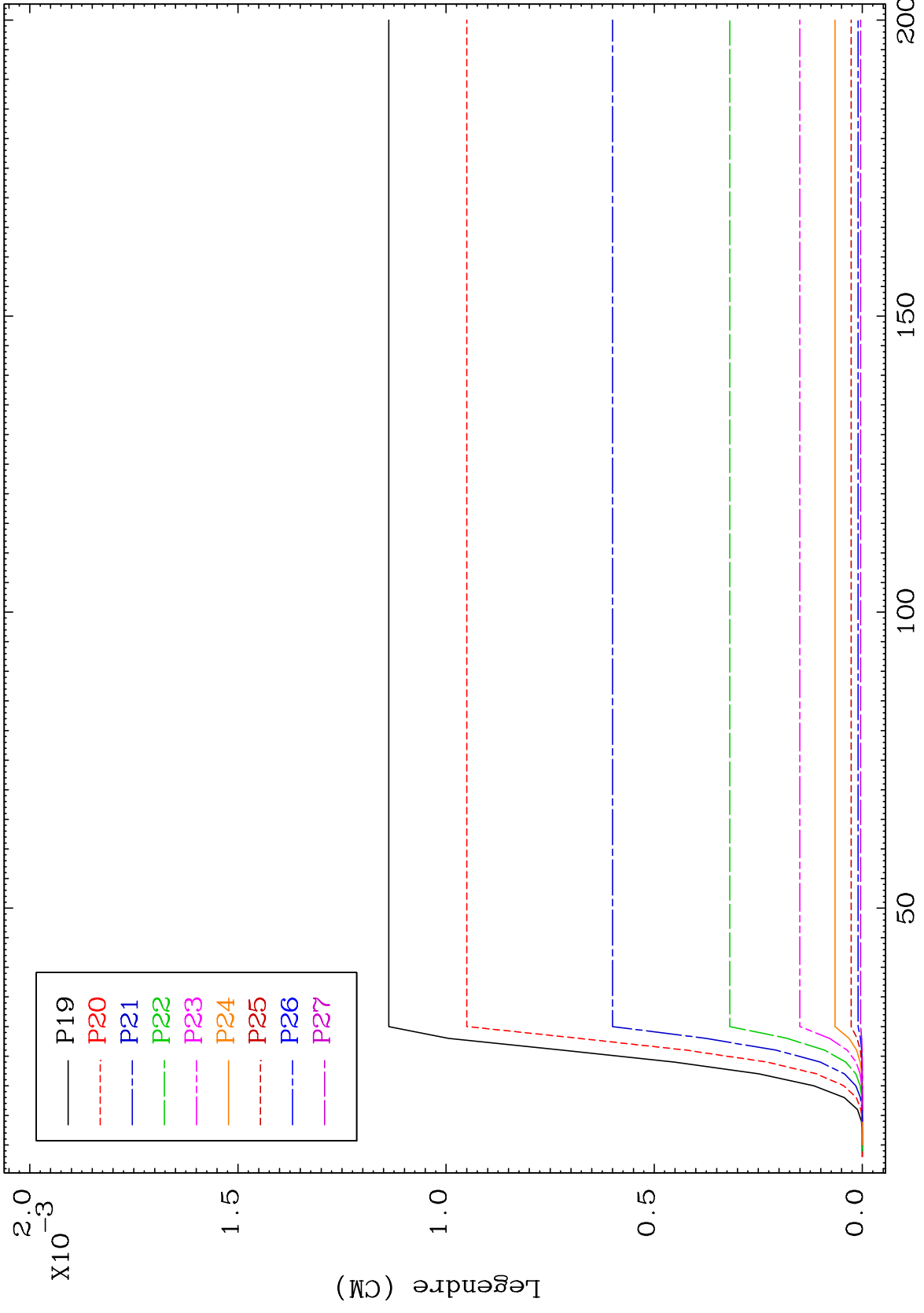
39

Incident Energy (MeV)

50-Sn-124

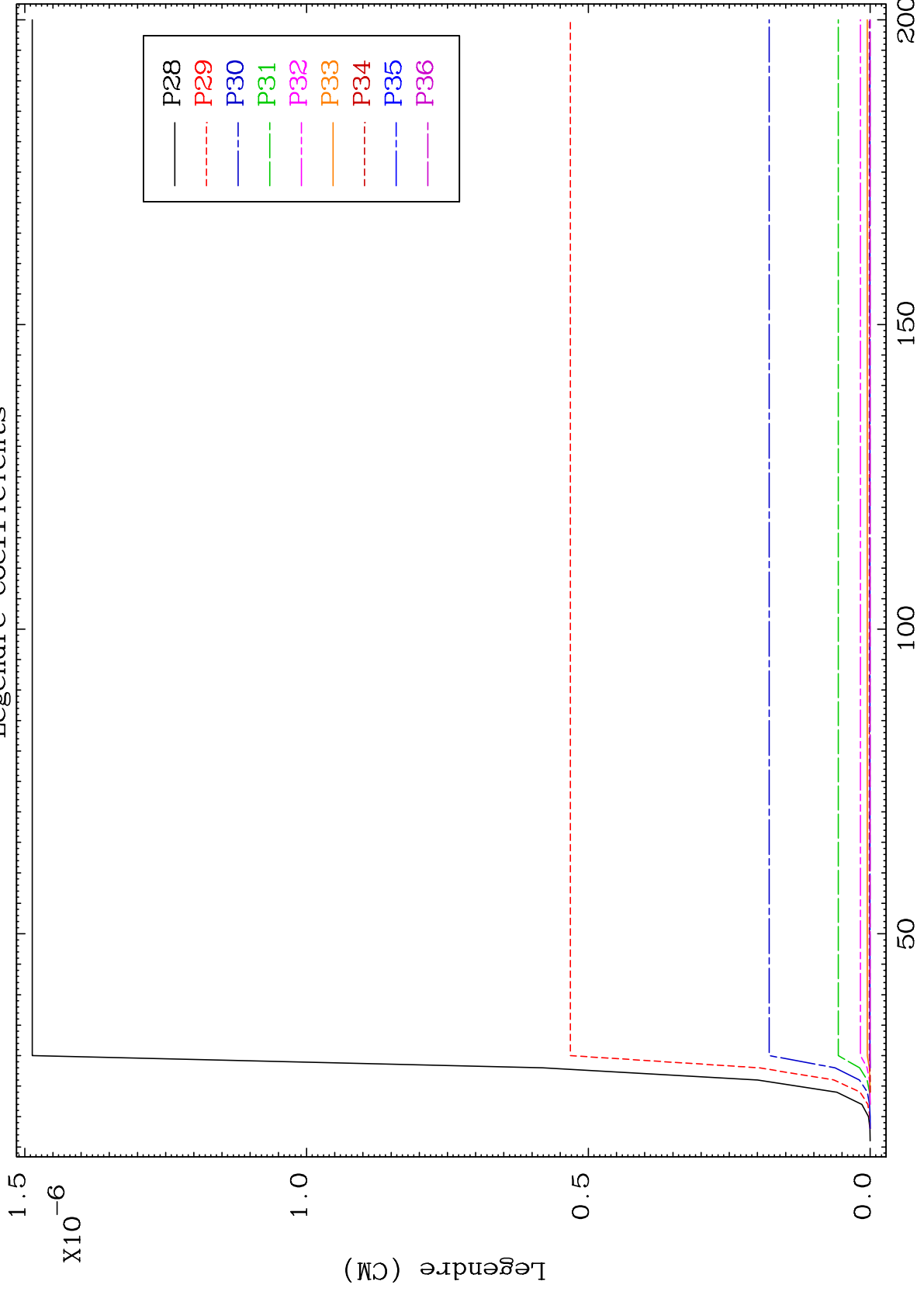


MAT 5061 MT= 56 (n,n') Level Legendre Coefficients 50-Sn-124



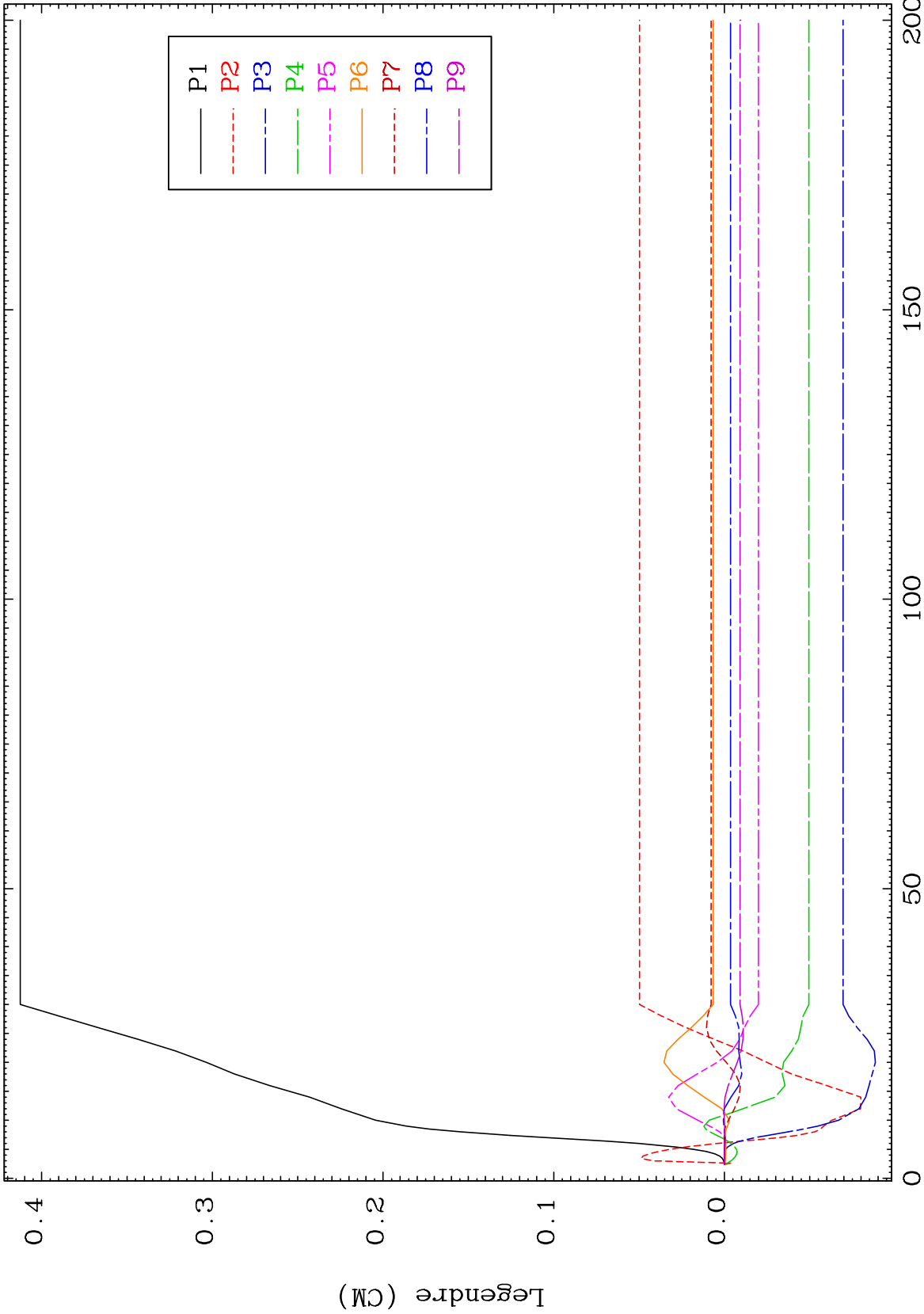
Incident Energy (MeV) 40 50 100 150 200

MAT 5061 MT= 56 (n,n') Level Legendre Coefficients 50-Sn-124



MAT 5061 MT= 57 (n,n') Level Legendre Coefficients

50-Sn-124



50-Sn-124

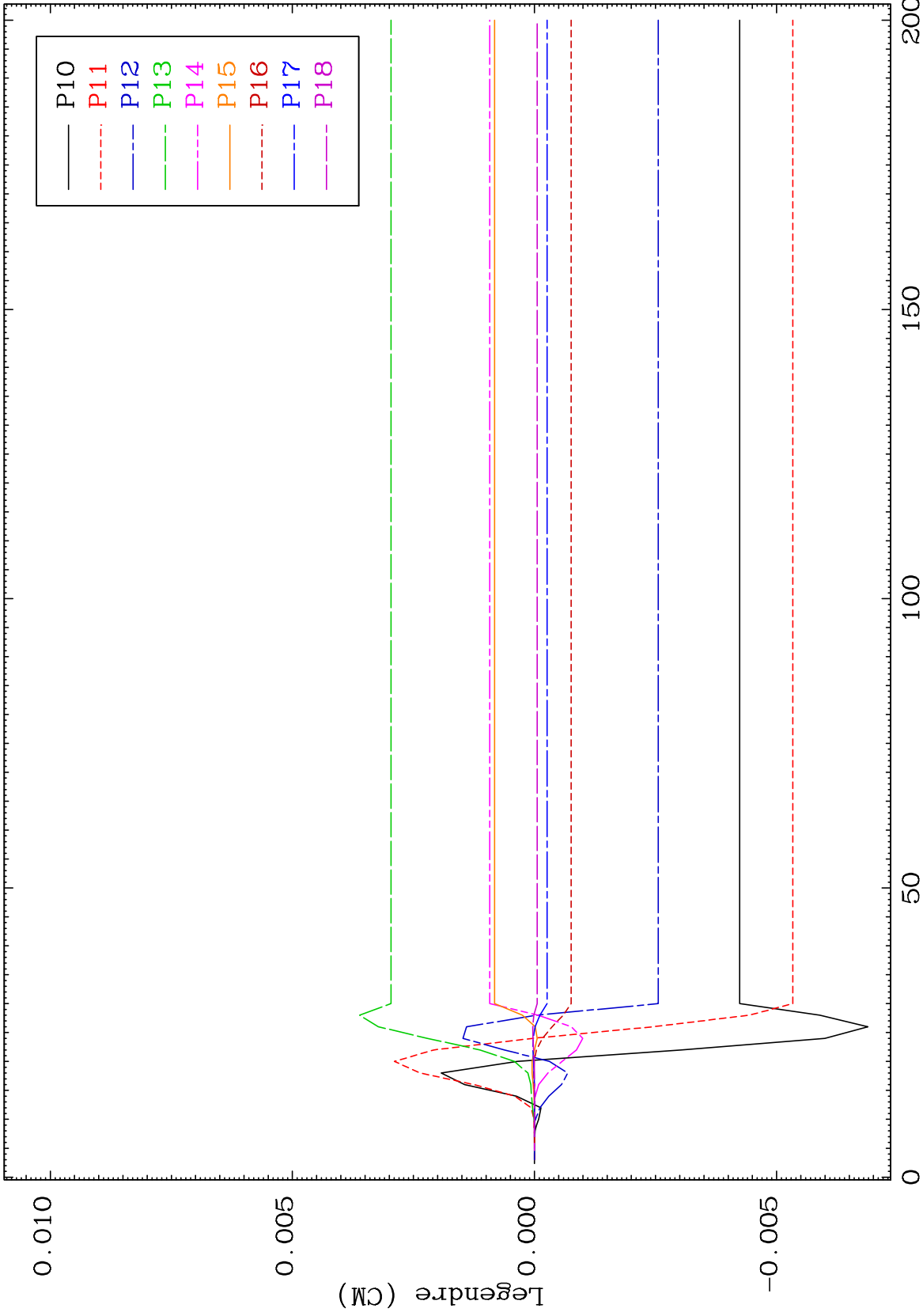
Incident Energy (MeV)

42

MAT 5061

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

50-Sn-124

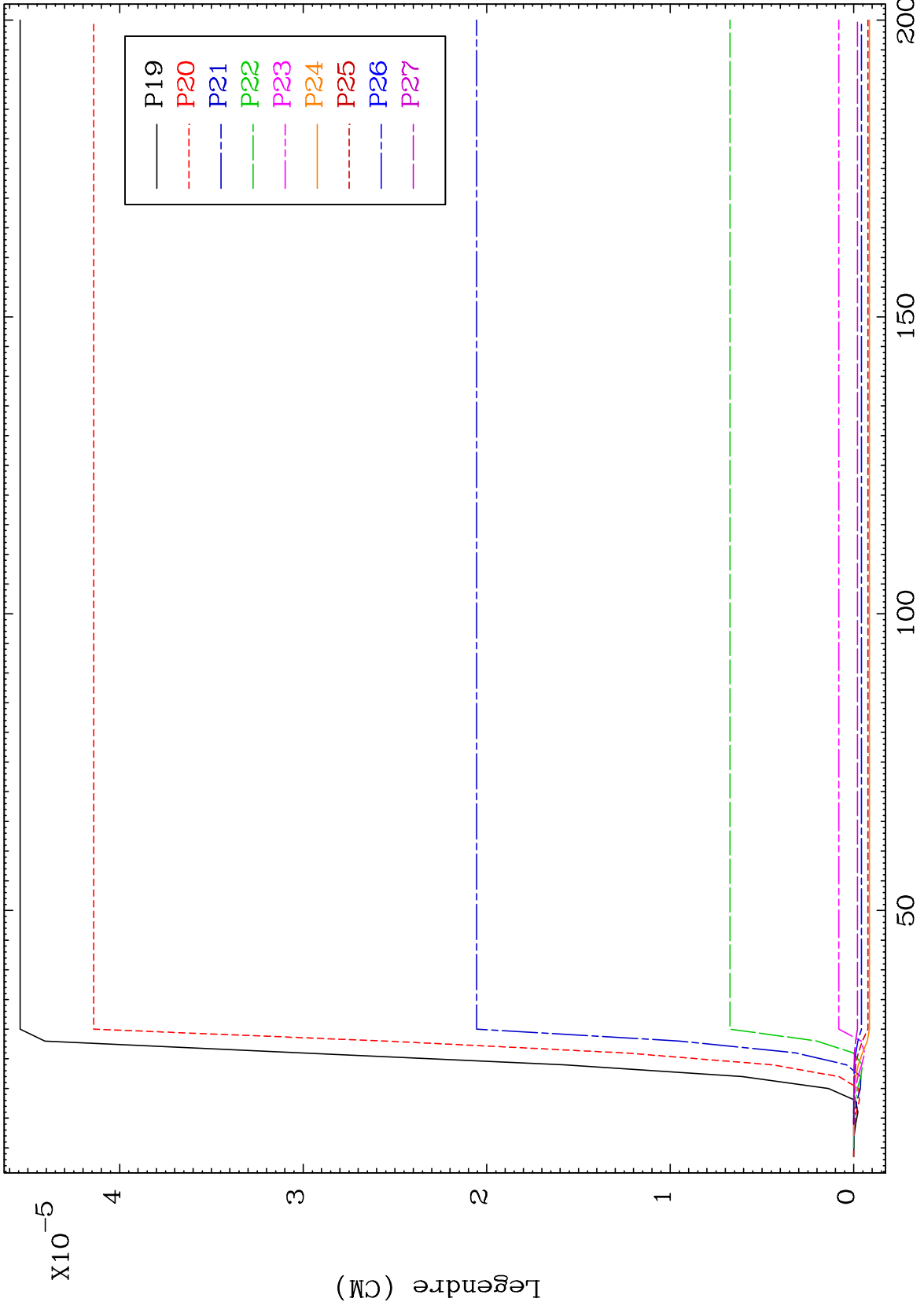


43

Incident Energy (MeV)

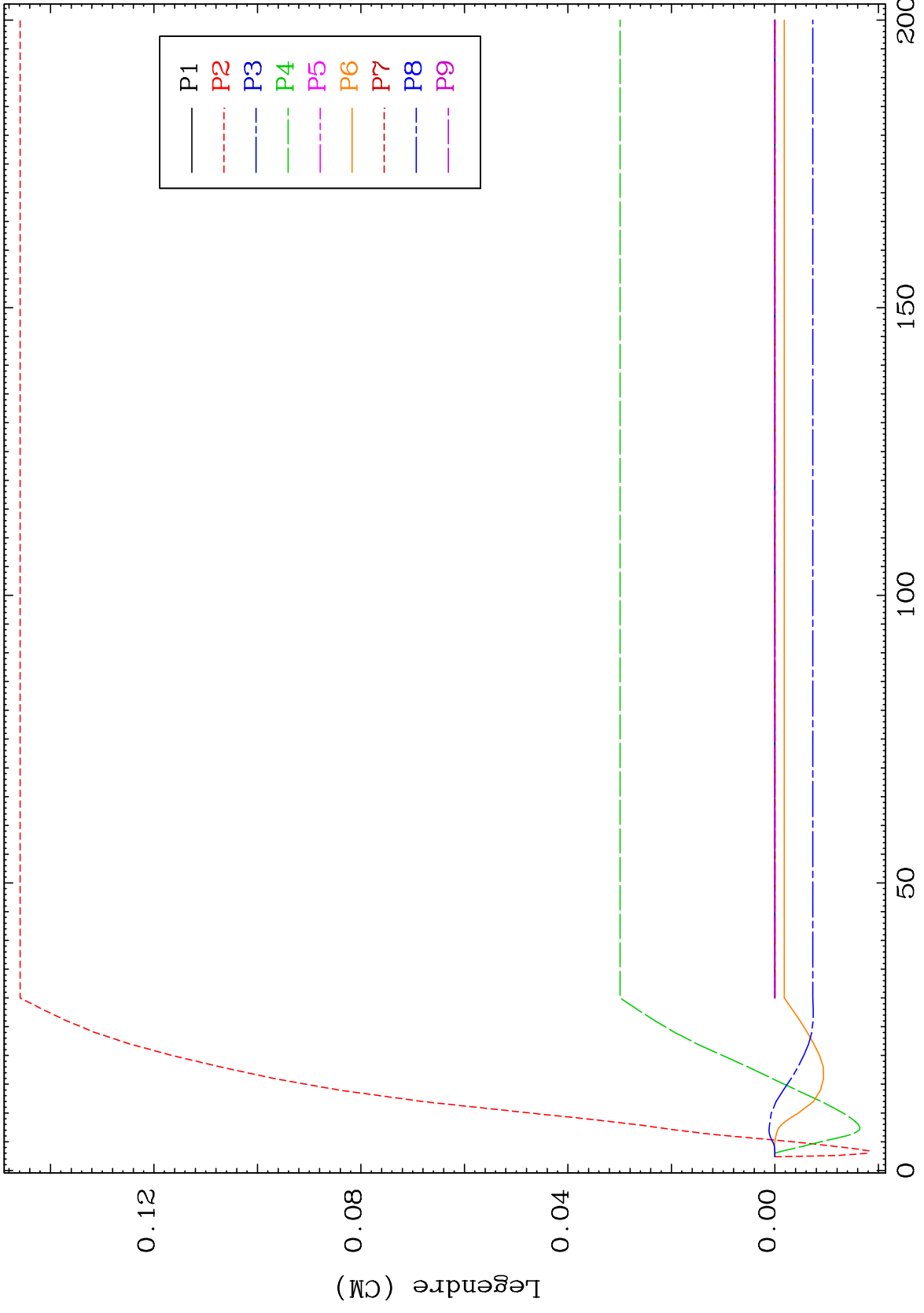
50-Sn-124

MAT 5061 MT= 57 (n,n') Level Legendre Coefficients 50-Sn-124



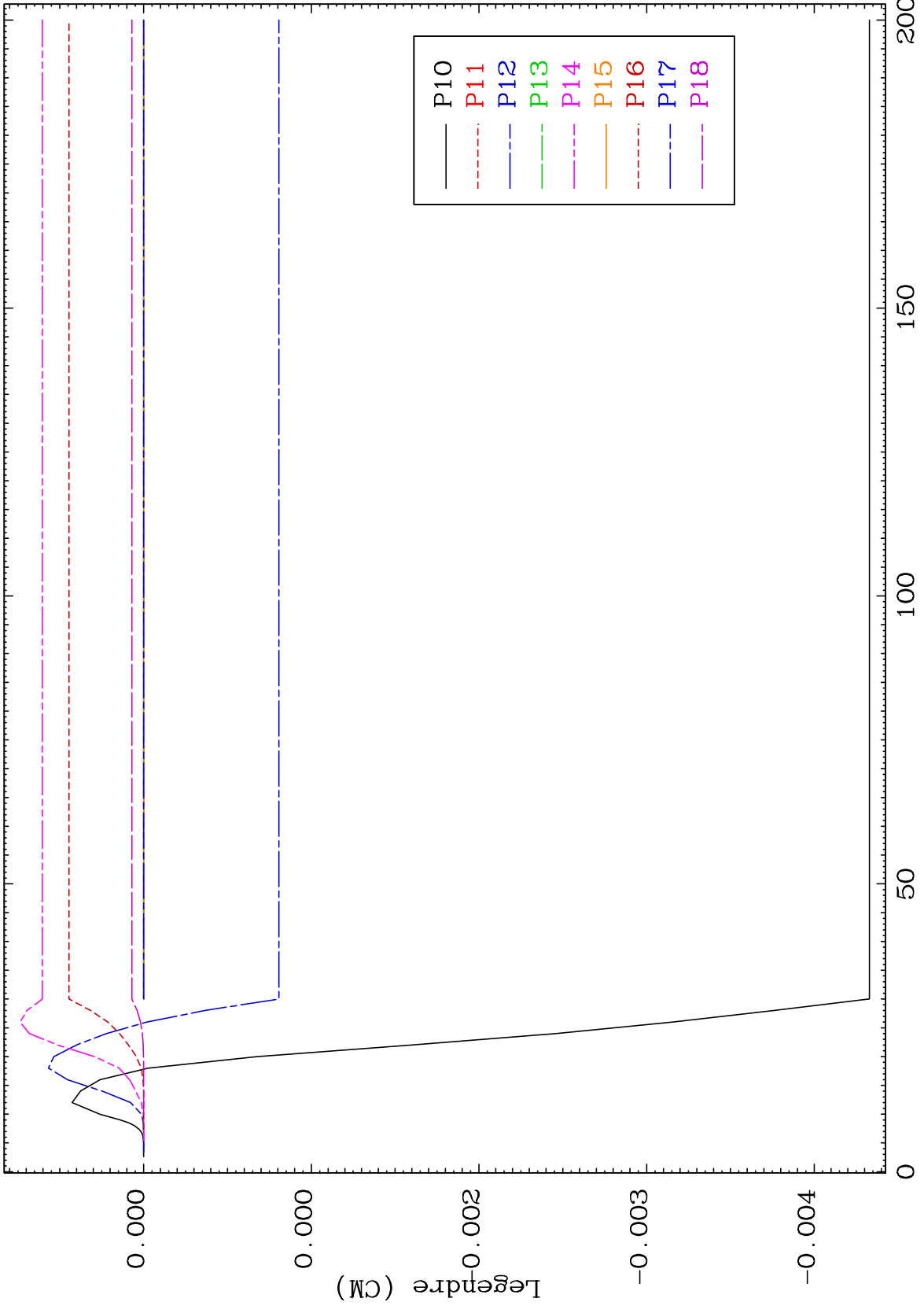


MAT 5061 MT= 58 (n,n') Level Legendre Coefficients 50-Sn-124



46 50-Sn-124

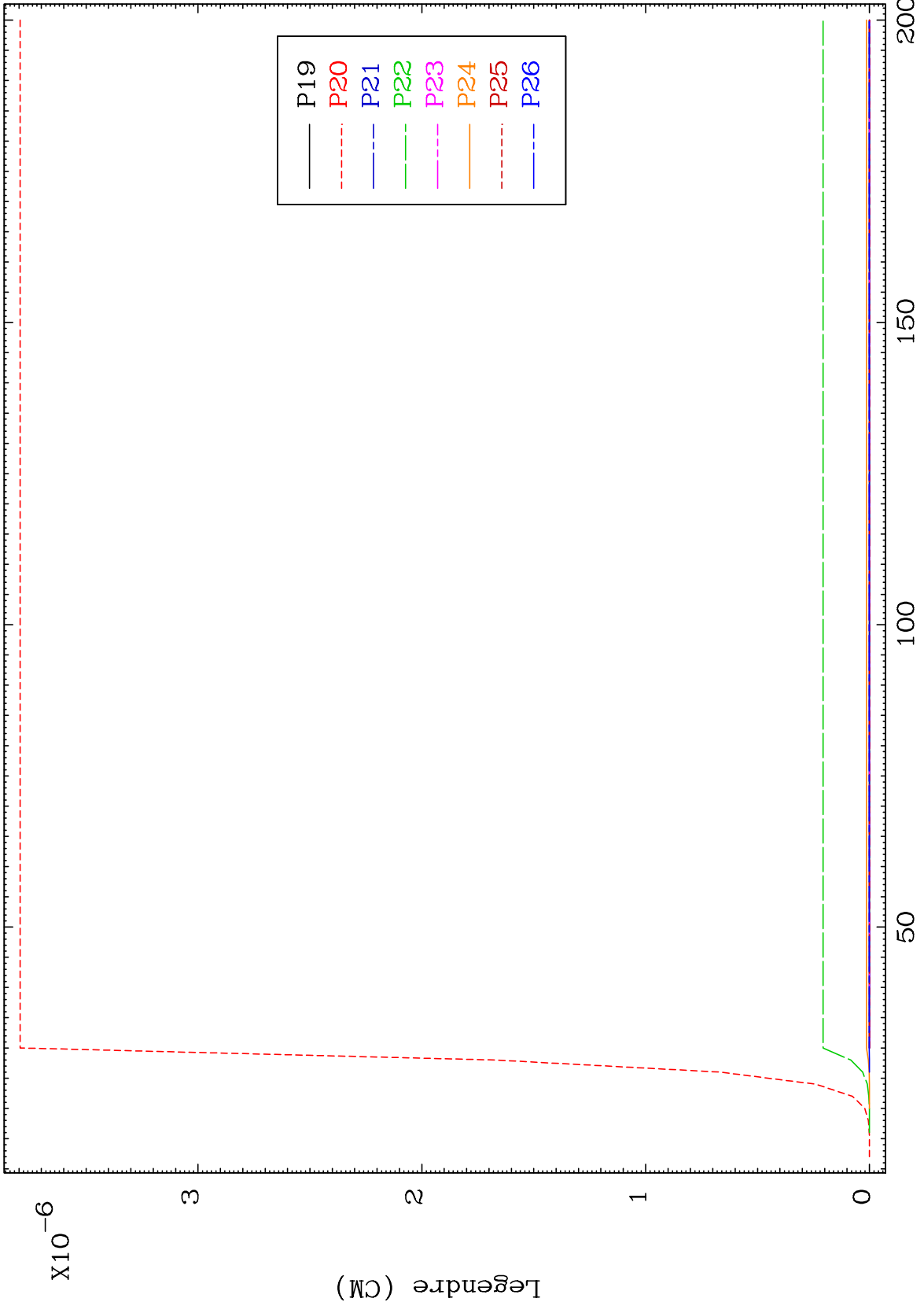
MAT 5061 MT= 58 (n,n') Level Legendre Coefficients 50-Sn-124



47

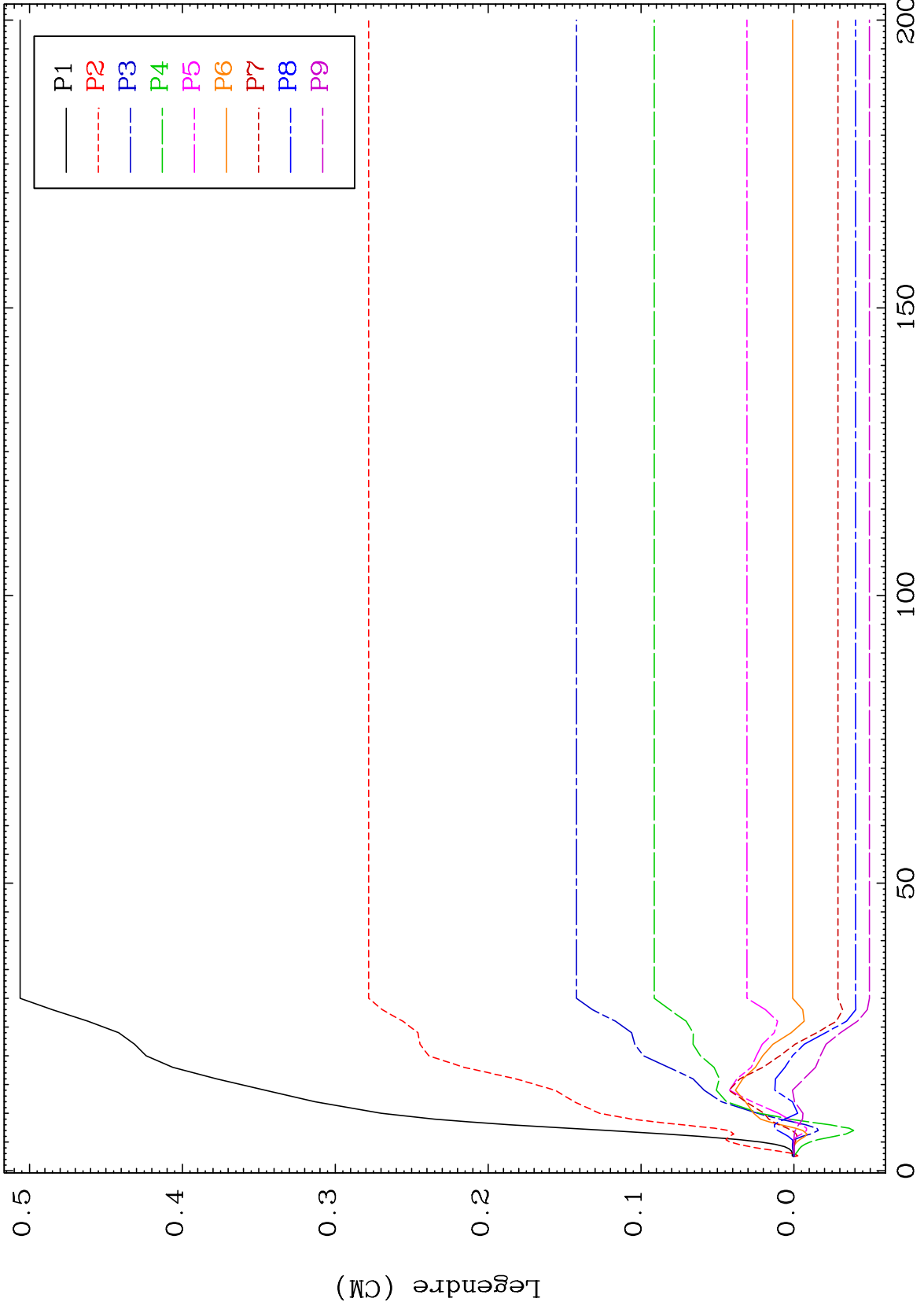


MAT 5061 MT= 58 (n,n') Level Legendre Coefficients 50-Sn-124



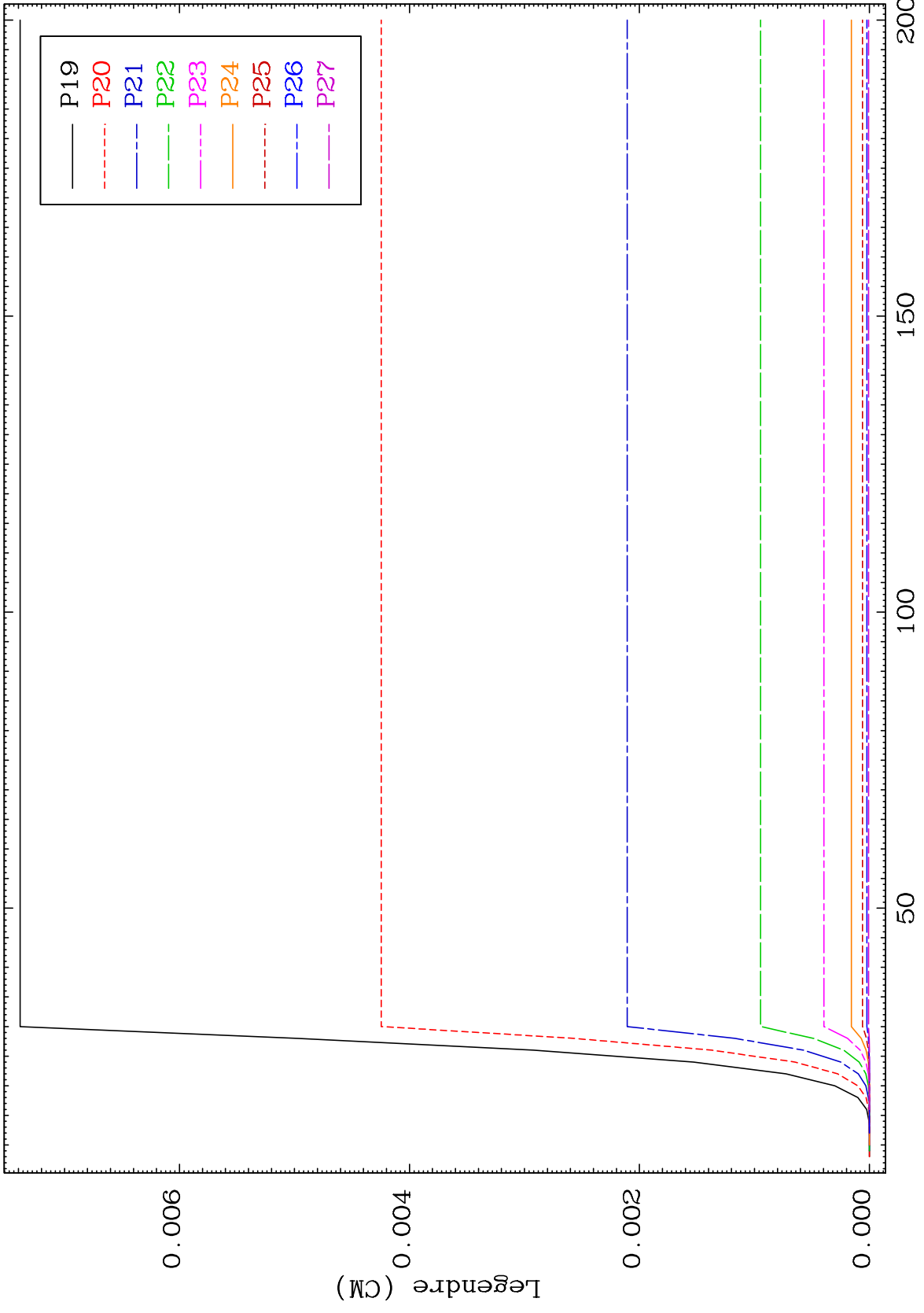
48 50 100 150 200 Incident Energy (MeV) 50-Sn-124

MAT 5061 MT= 59 (n,n') Level Legendre Coefficients 50-Sn-124

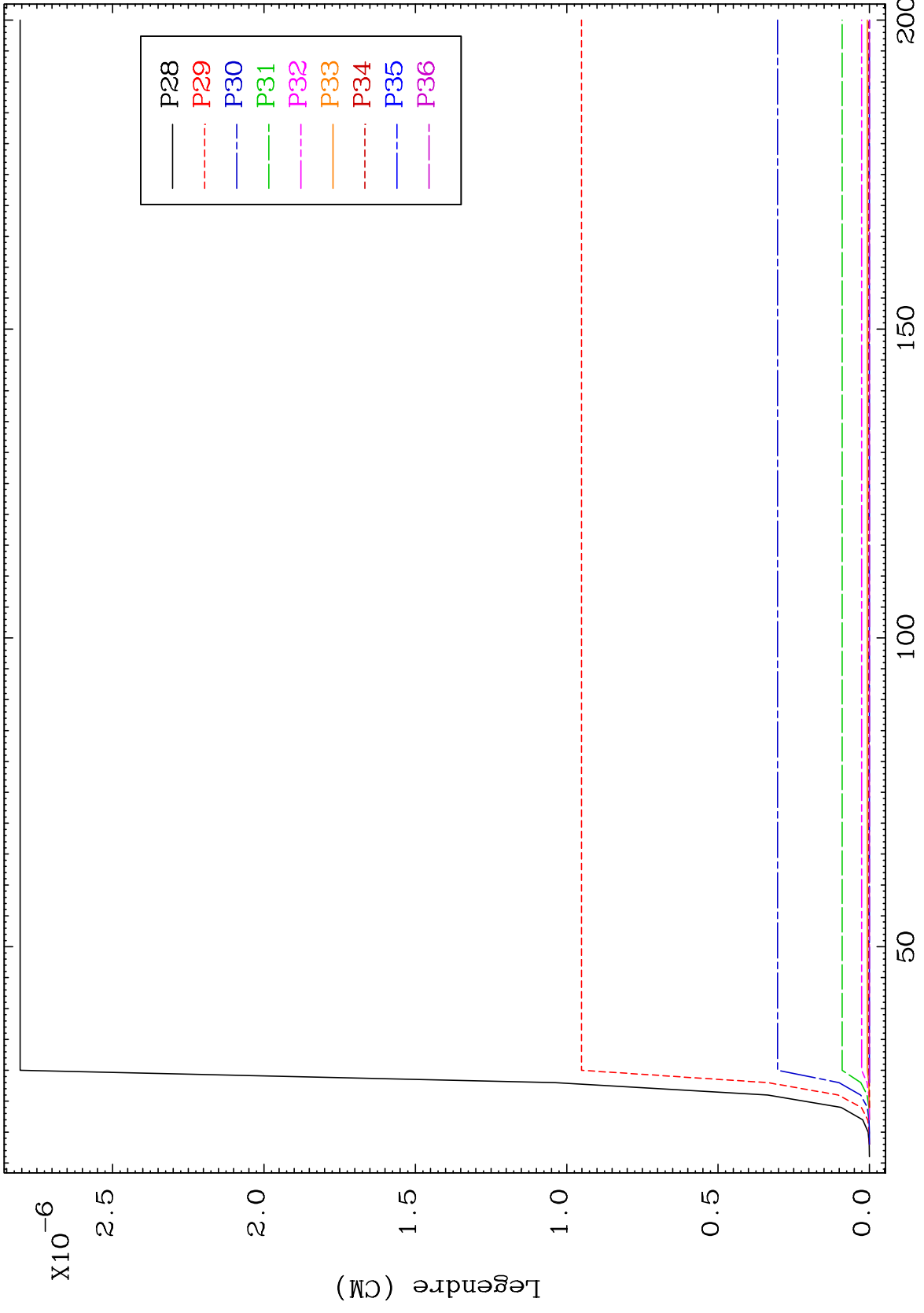


49 Incident Energy (MeV) 50-Sn-124



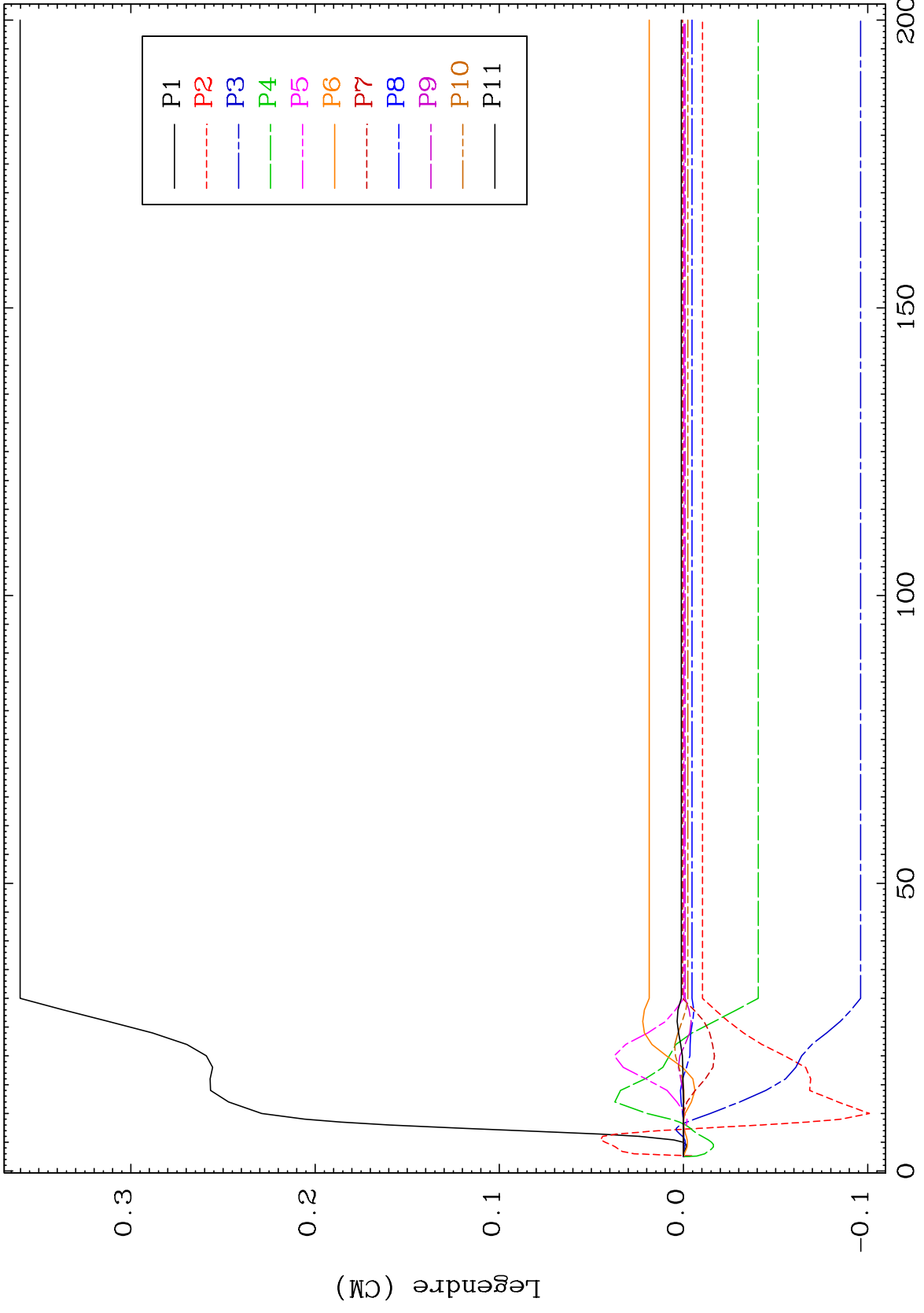


MAT 5061 MT= 59 (n,n') Level Legendre Coefficients 50-Sn-124



52 50-Sn-124

MAT 5061 MT= 60 (n,n') Level Legendre Coefficients 50-Sn-124

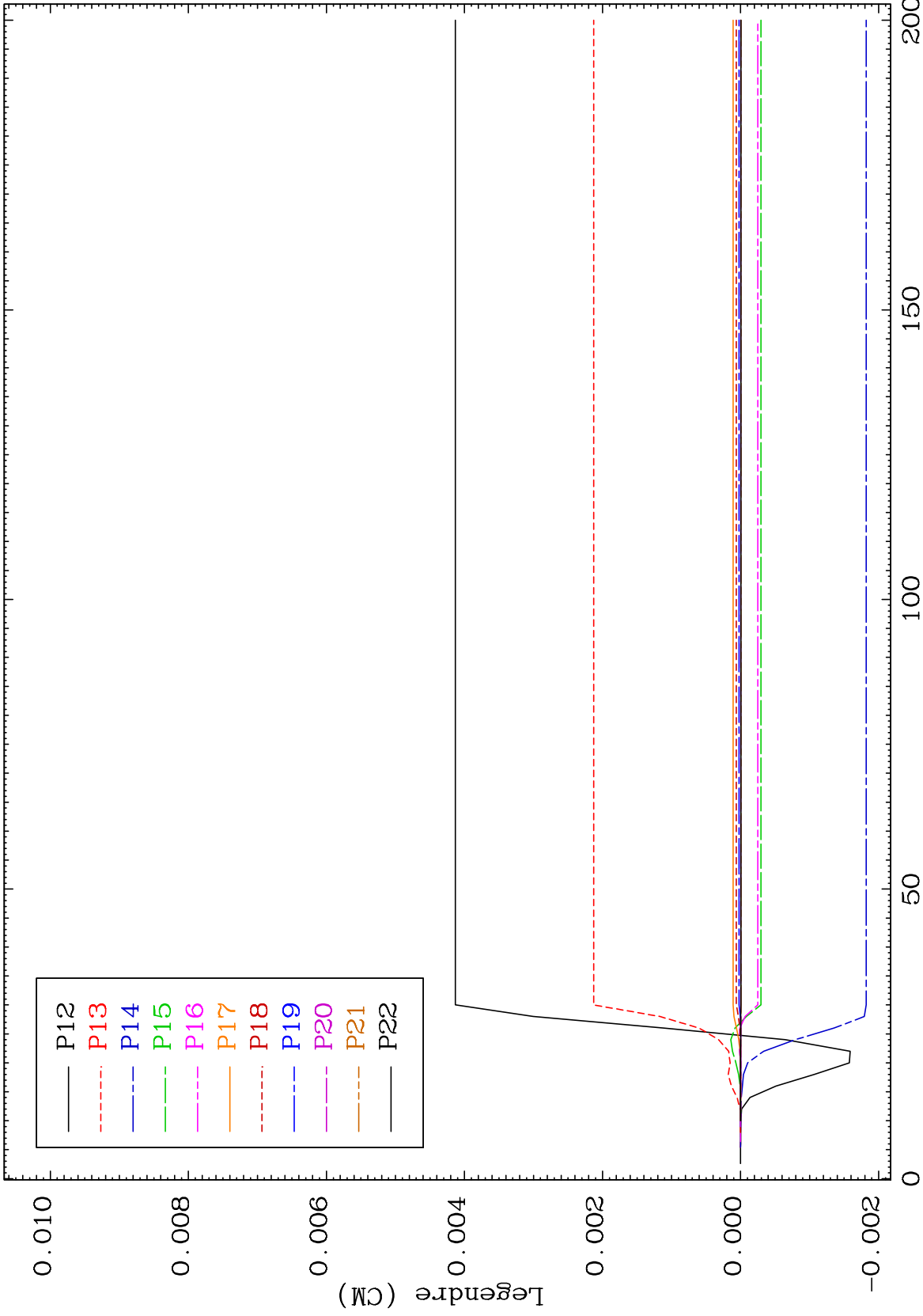


53 Incident Energy (MeV) 50-Sn-124

MAT 5061

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

50-Sn-124

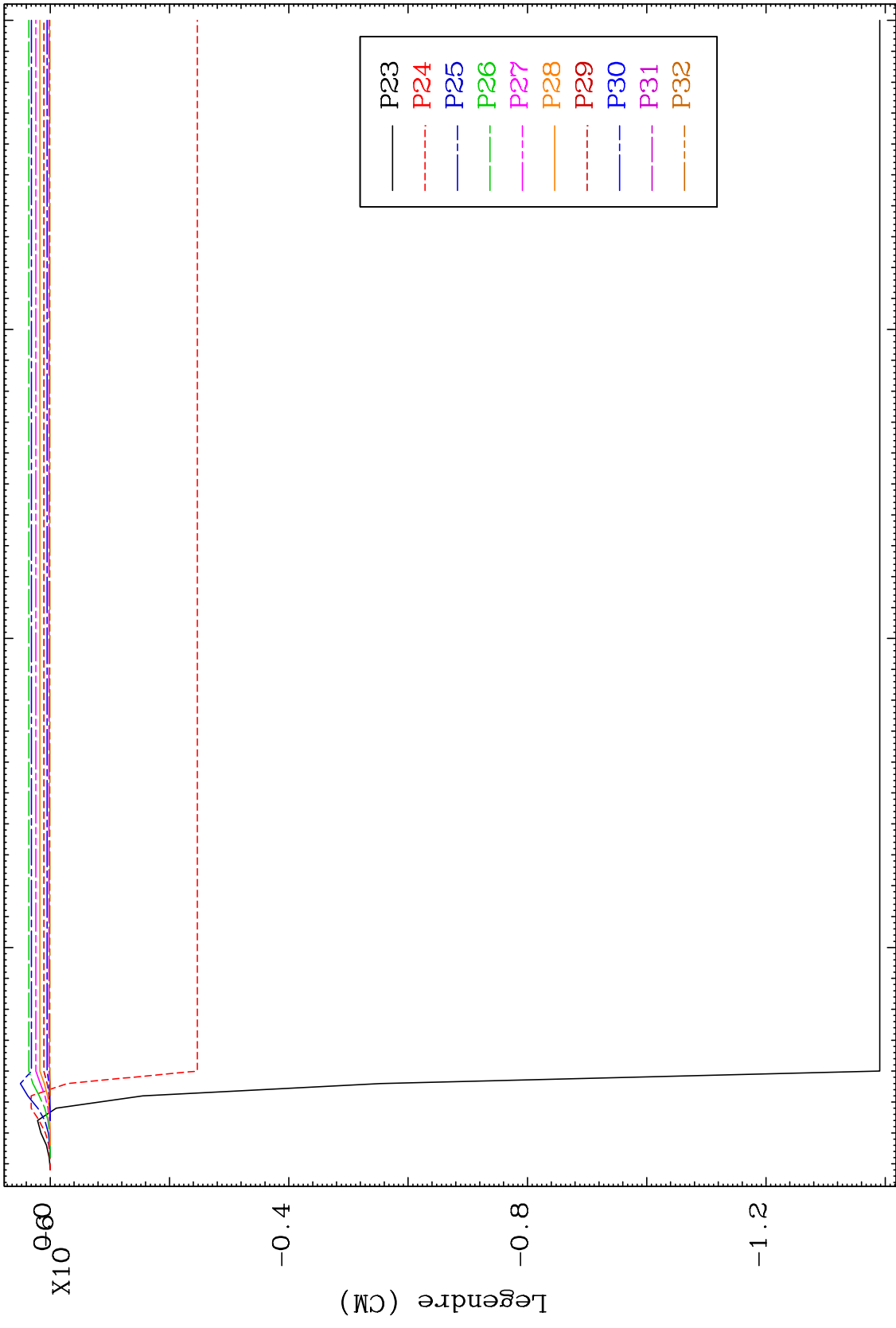


54

Incident Energy (MeV)

50-Sn-124

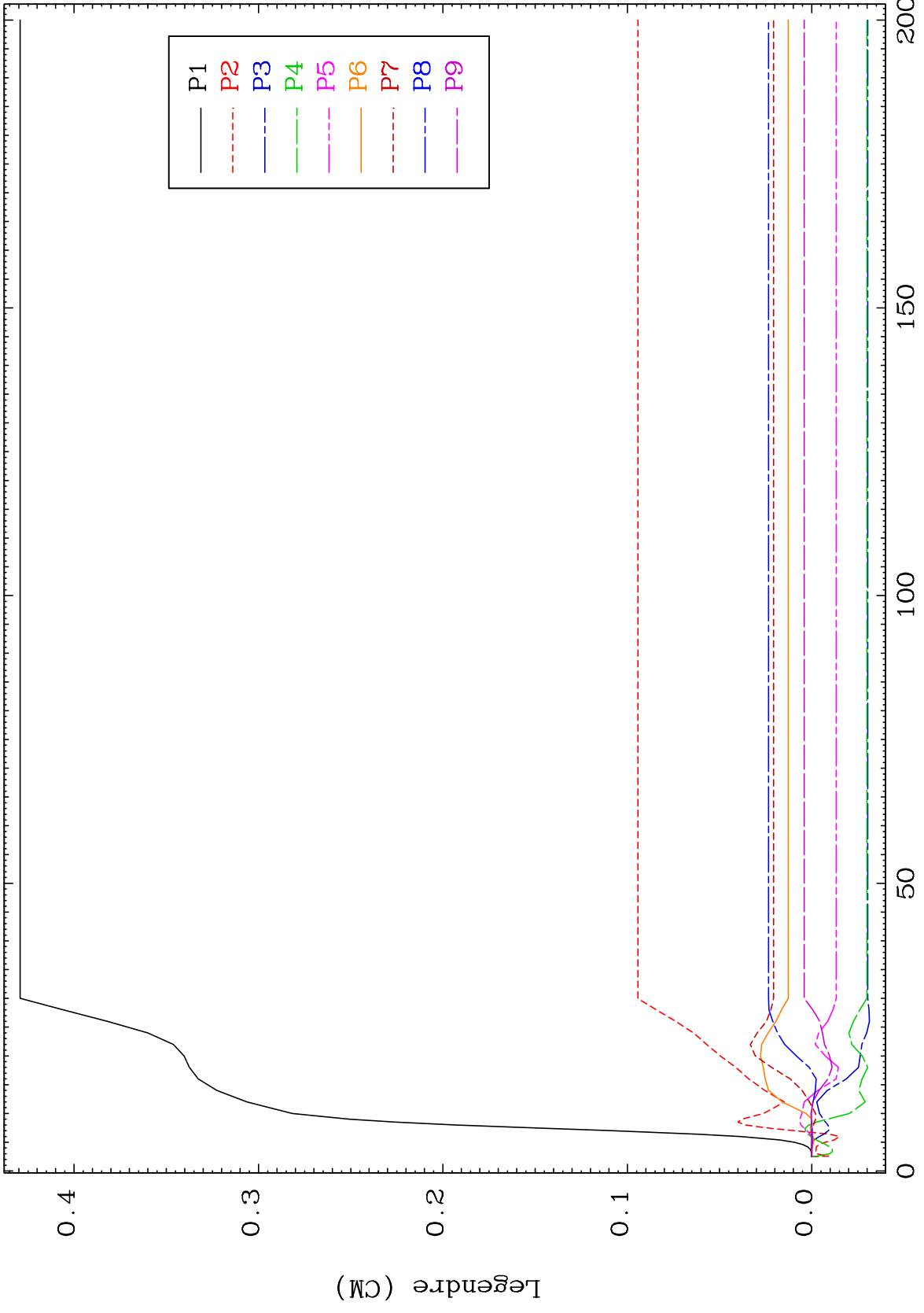
MAT 5061 MT= 60 (n,n') Level Legendre Coefficients 50-Sn-124



55 50-Sn-124



MAT 5061 MT= 61 (n,n') Level Legendre Coefficients 50-Sn-124

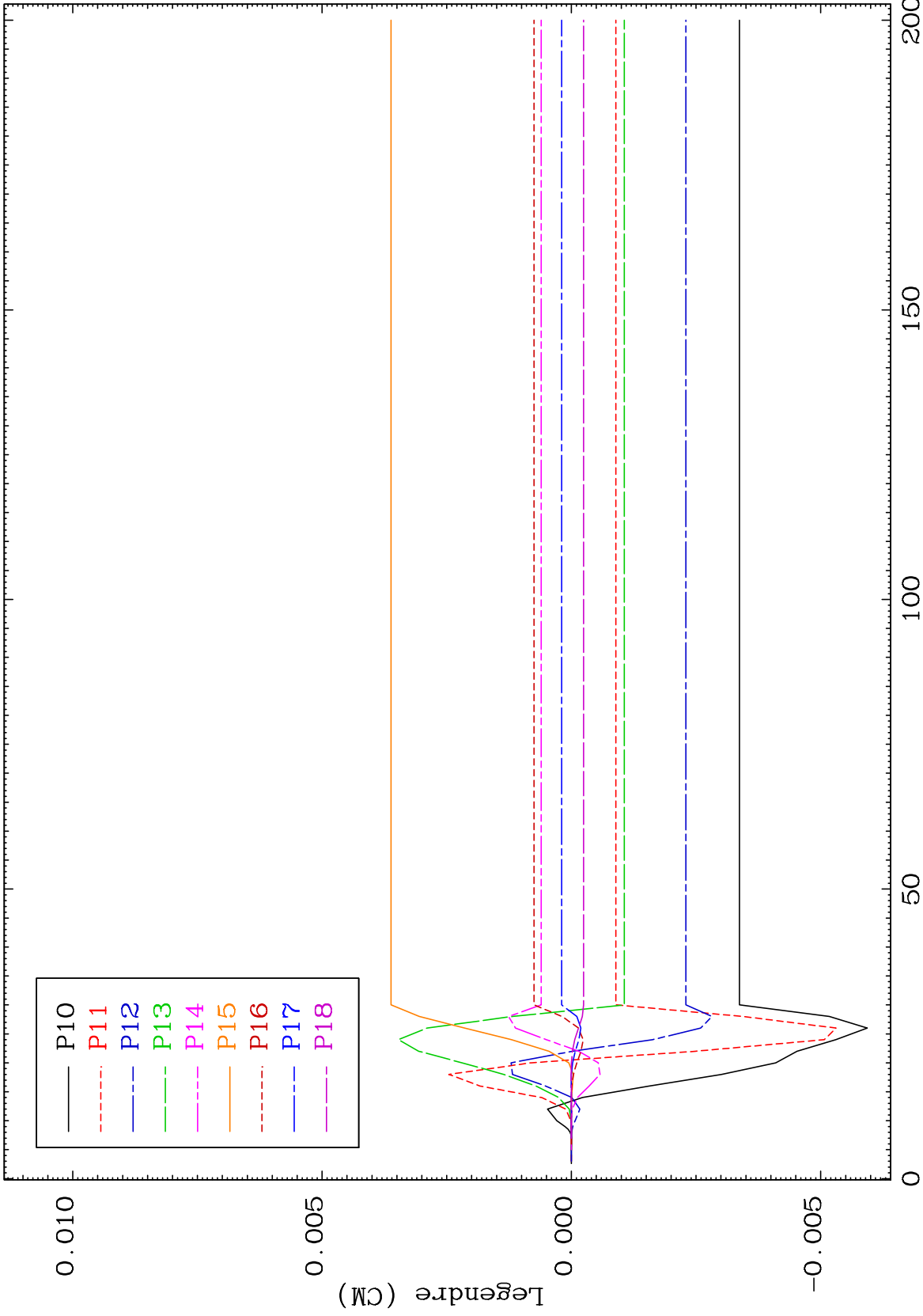


56 50-Sn-124

MAT 5061

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

50-Sn-124

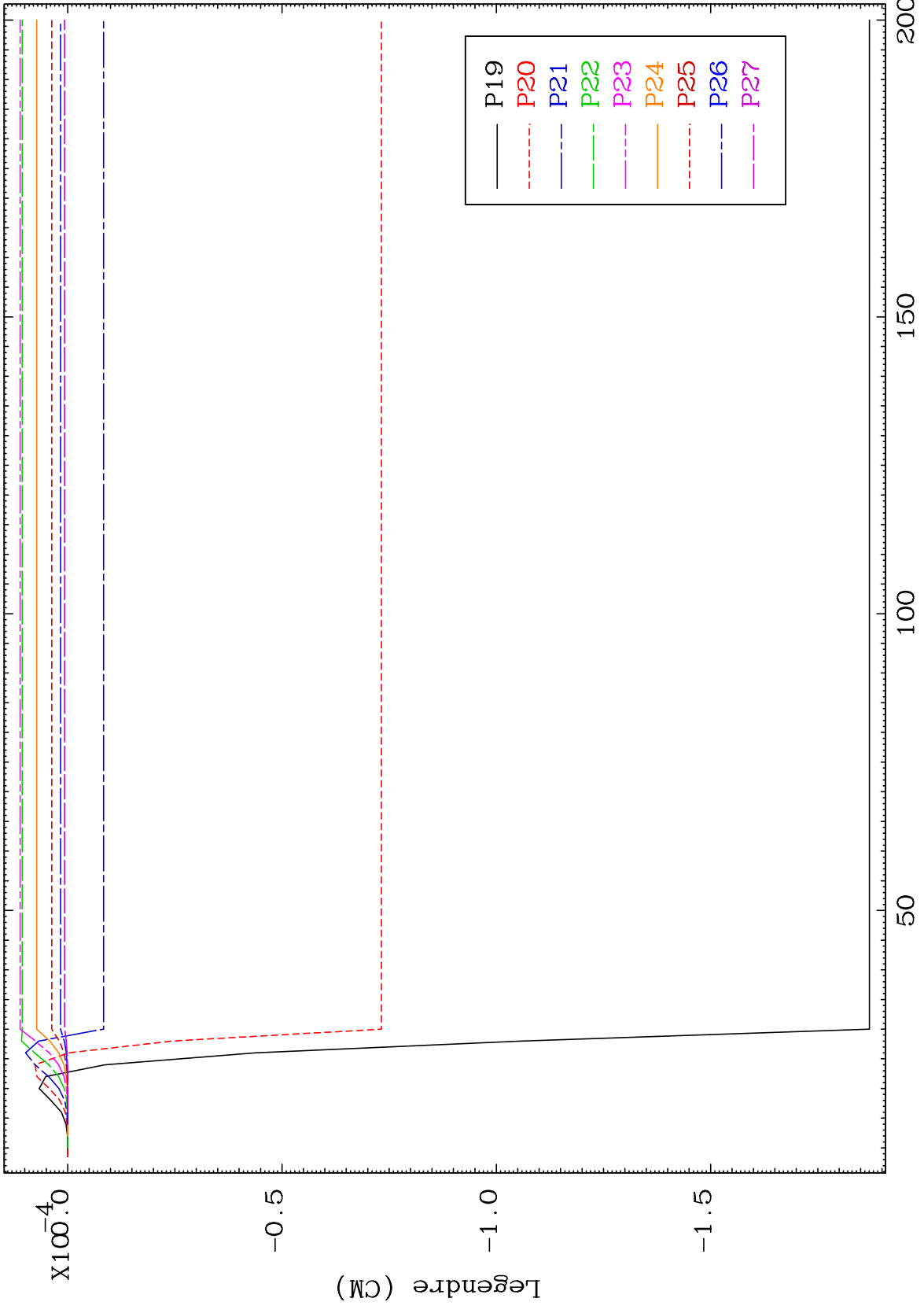


57

Incident Energy (MeV)

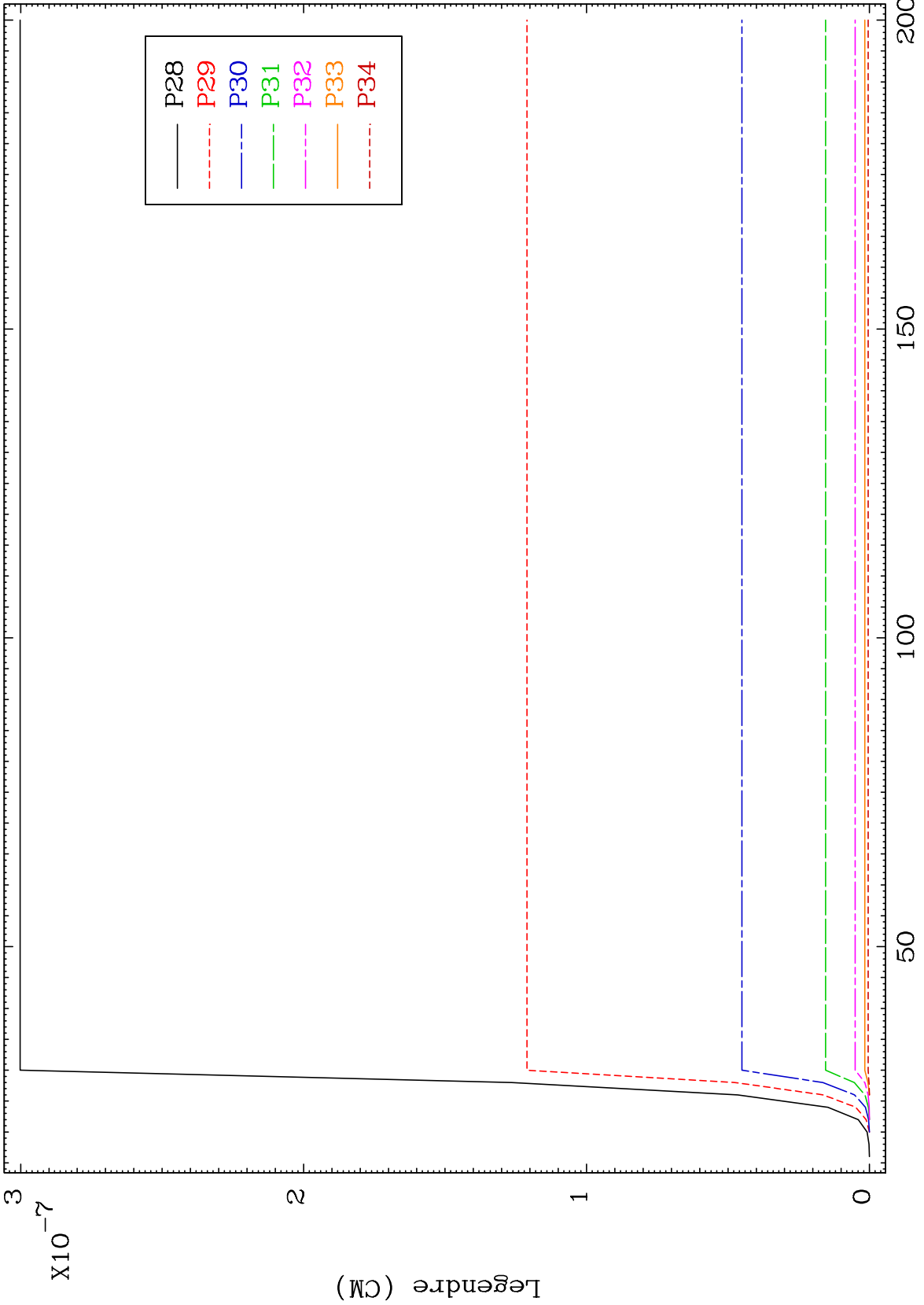
50-Sn-124

MAT 5061 MT= 61 (n,n') Level Legendre Coefficients 50-Sn-124



58 50-Sn-124

MAT 5061 MT= 61 (n,n') Level Legendre Coefficients 50-Sn-124

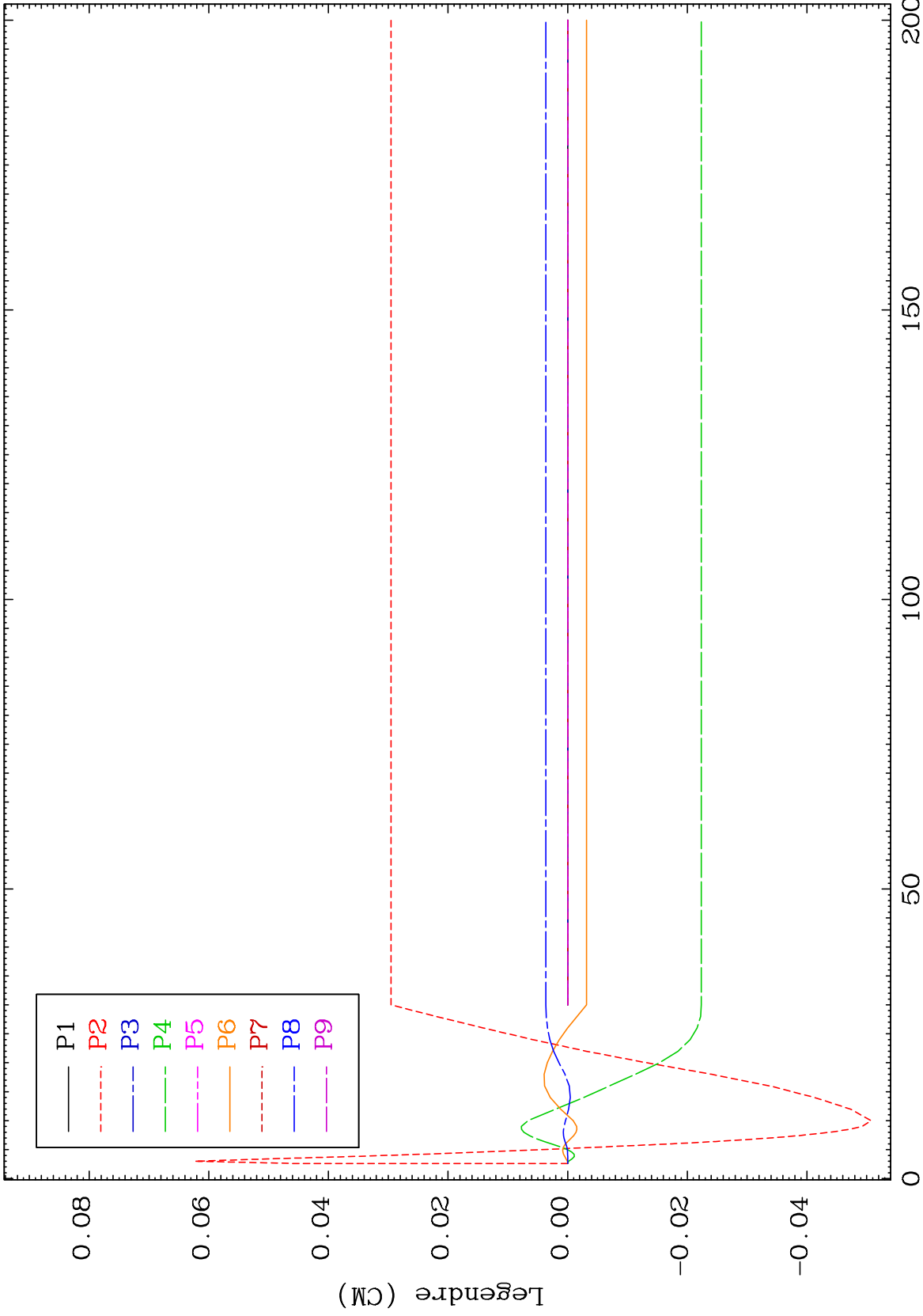


59 50-Sn-124

MAT 5061

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

50-Sn-124

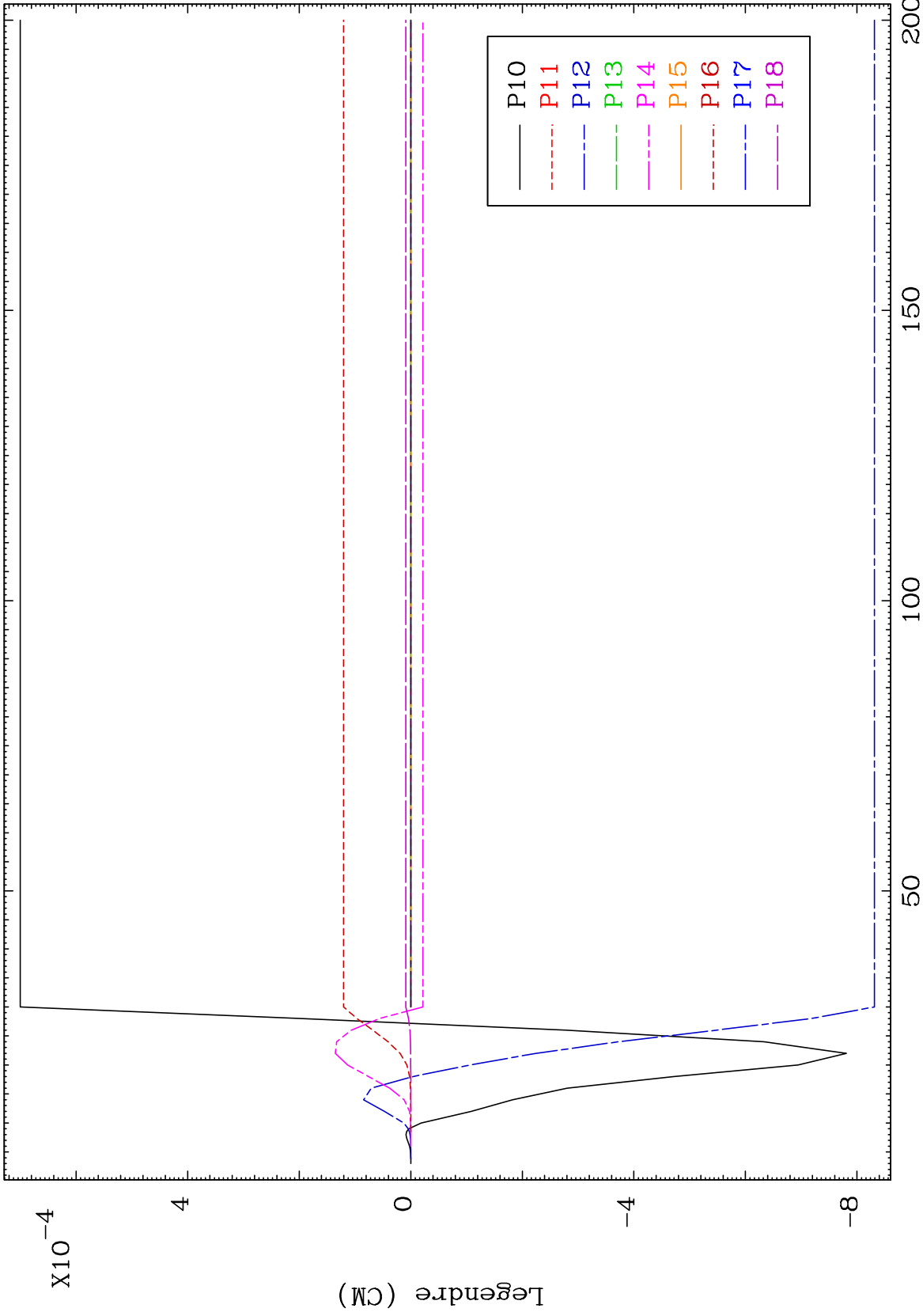


50-Sn-124

MAT 5061

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

50-Sn-124

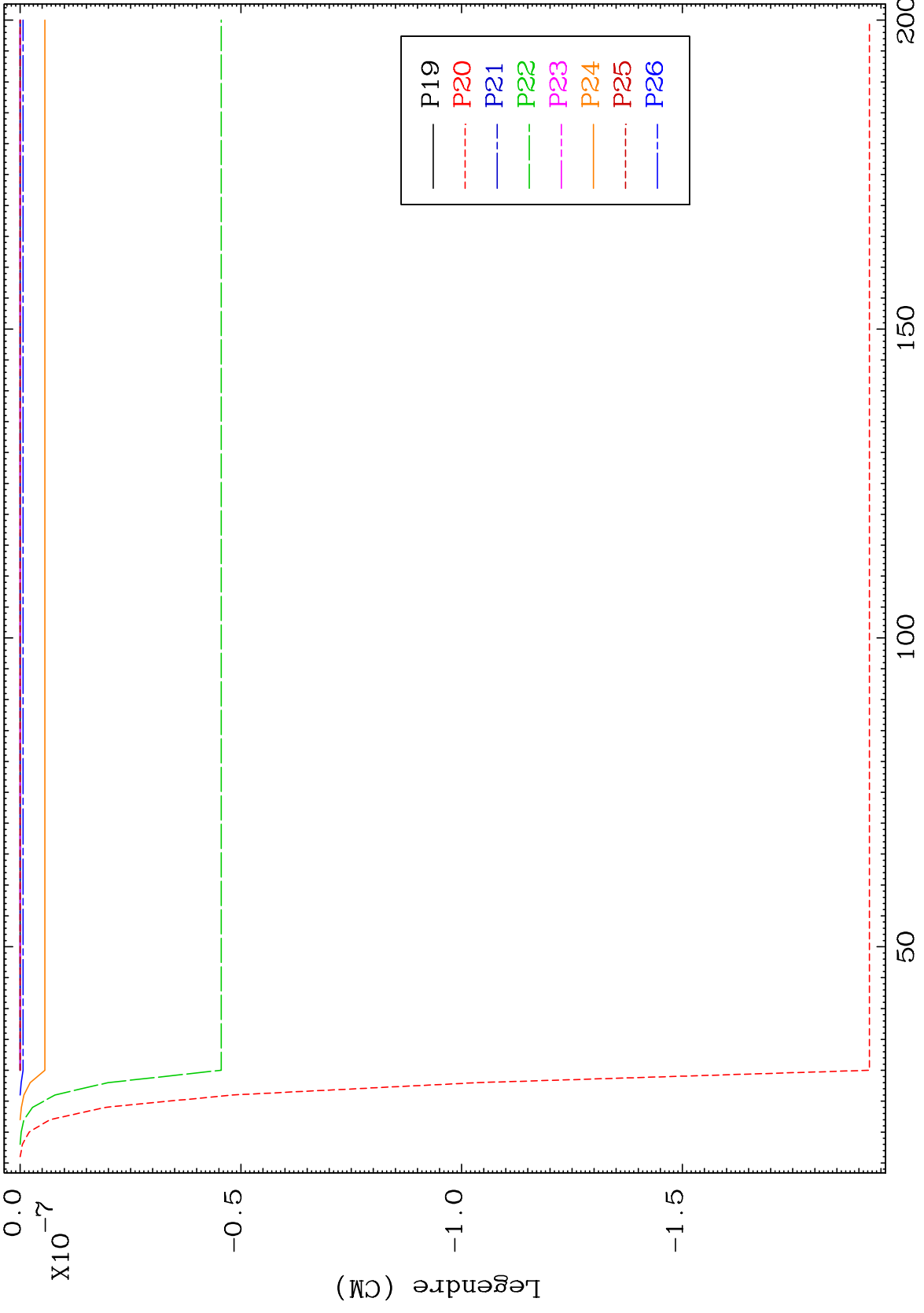


61

Incident Energy (MeV)

50-Sn-124

MAT 5061 MT= 62 (n,n') Level Legendre Coefficients 50-Sn-124

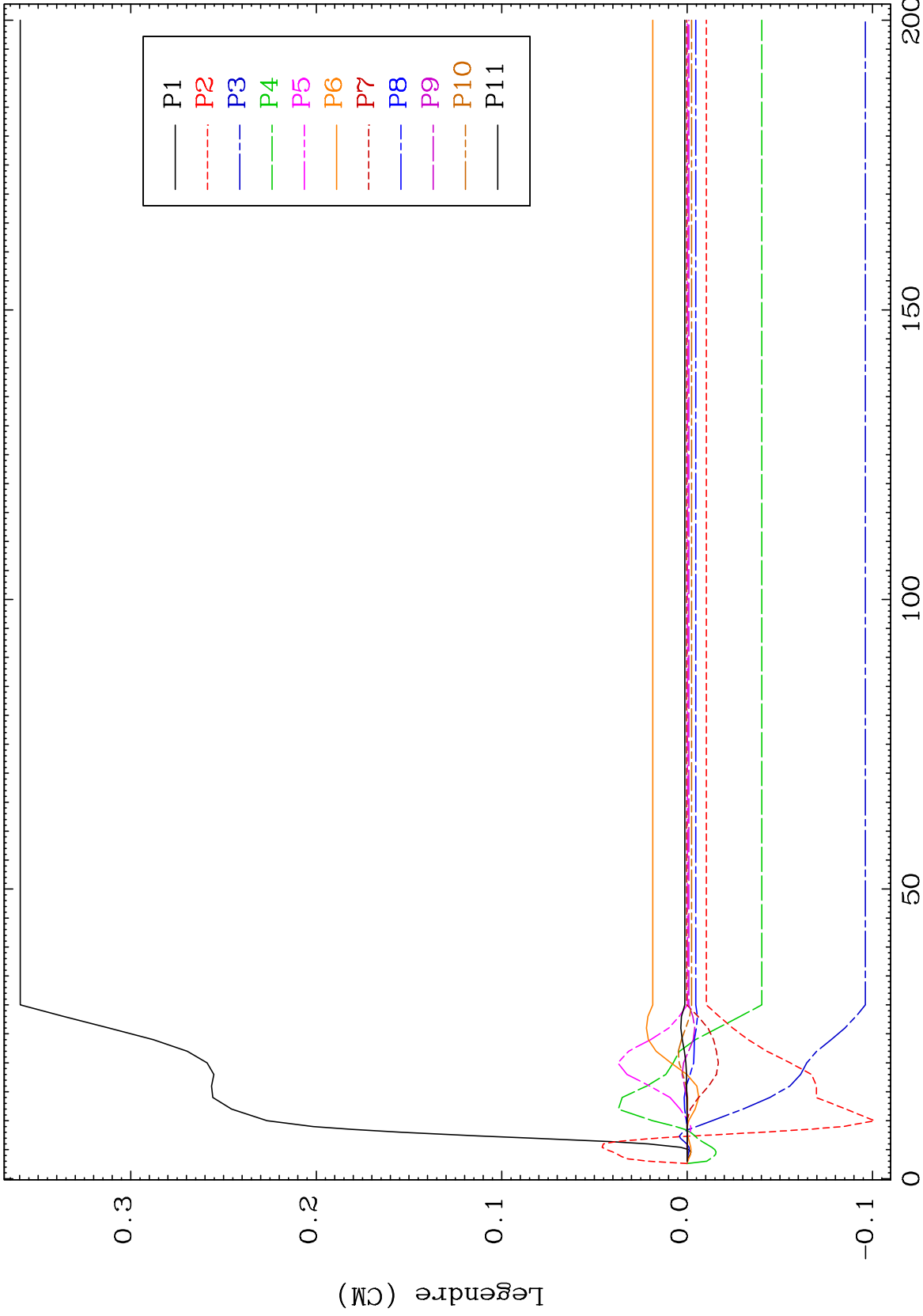


62 50-Sn-124

MAT 5061

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

50-Sn-124



63

Incident Energy (MeV)

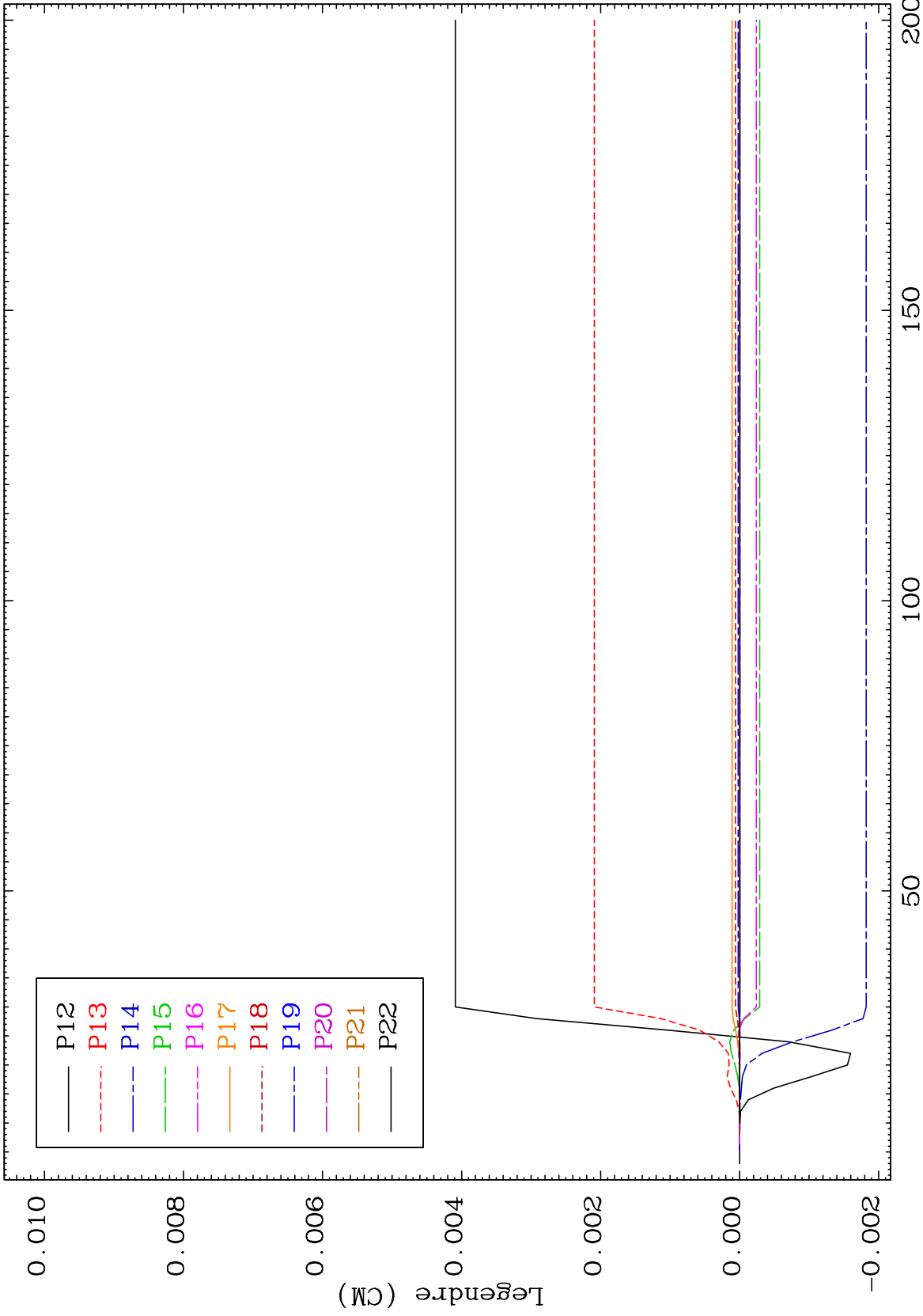
50-Sn-124



MAT 5061

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

50-Sn-124

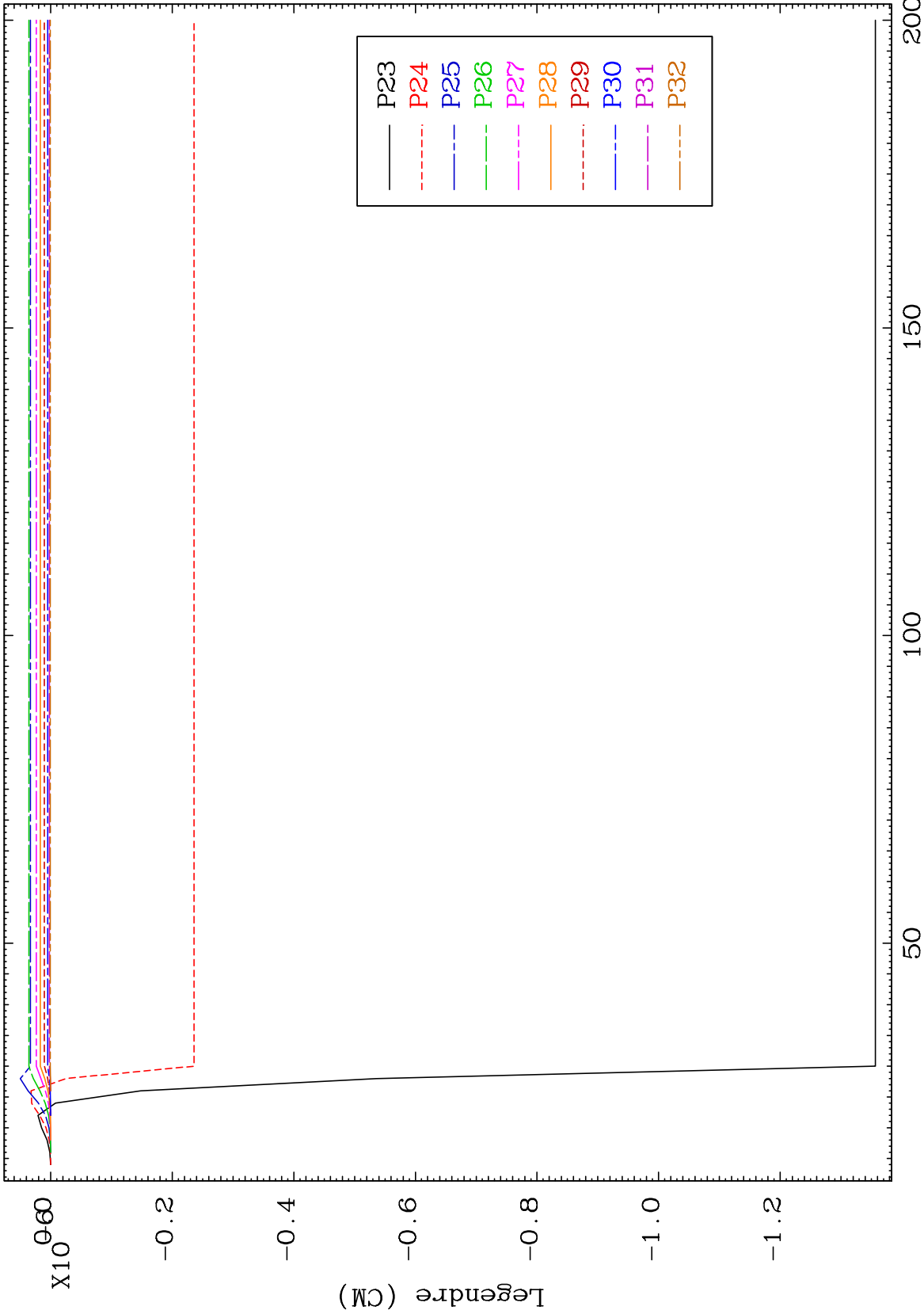


64

Incident Energy (MeV)

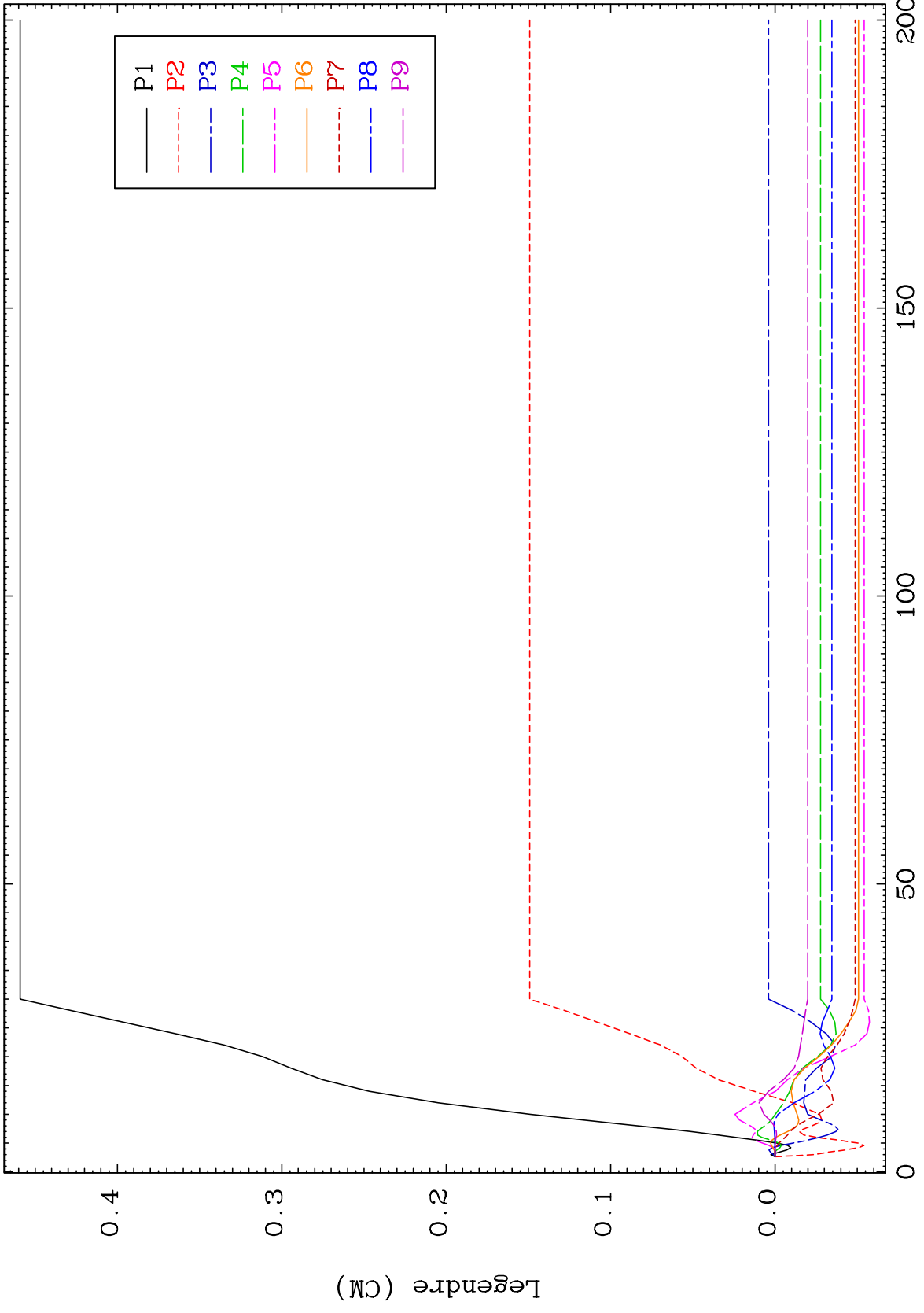
50-Sn-124

MAT 5061 MT= 63 (n,n') Level Legendre Coefficients 50-Sn-124



65 50-Sn-124

MAT 5061 MT= 64 (n,n') Level Legendre Coefficients 50-Sn-124



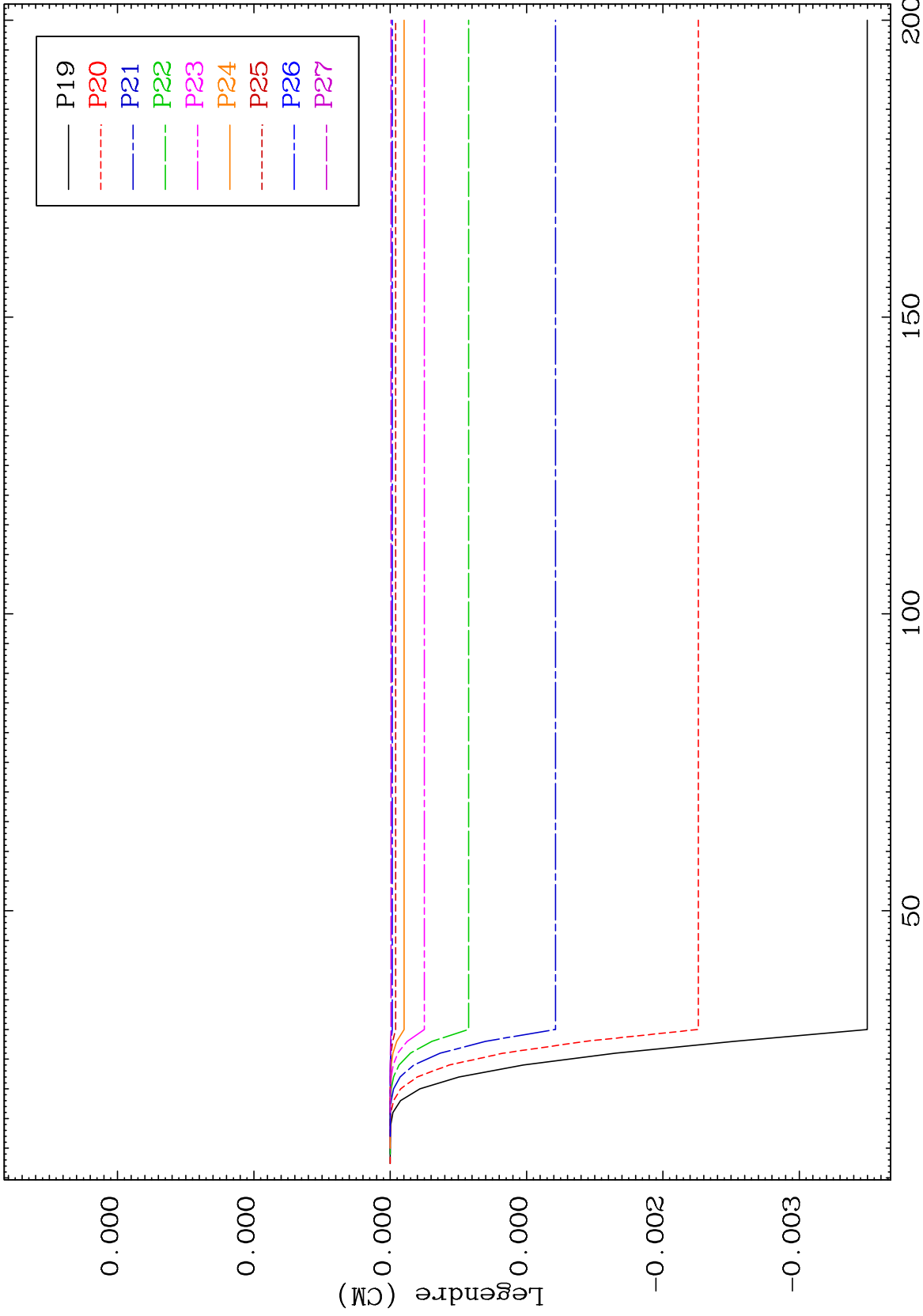
66 50-Sn-124



MAT 5061

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

50-Sn-124



68

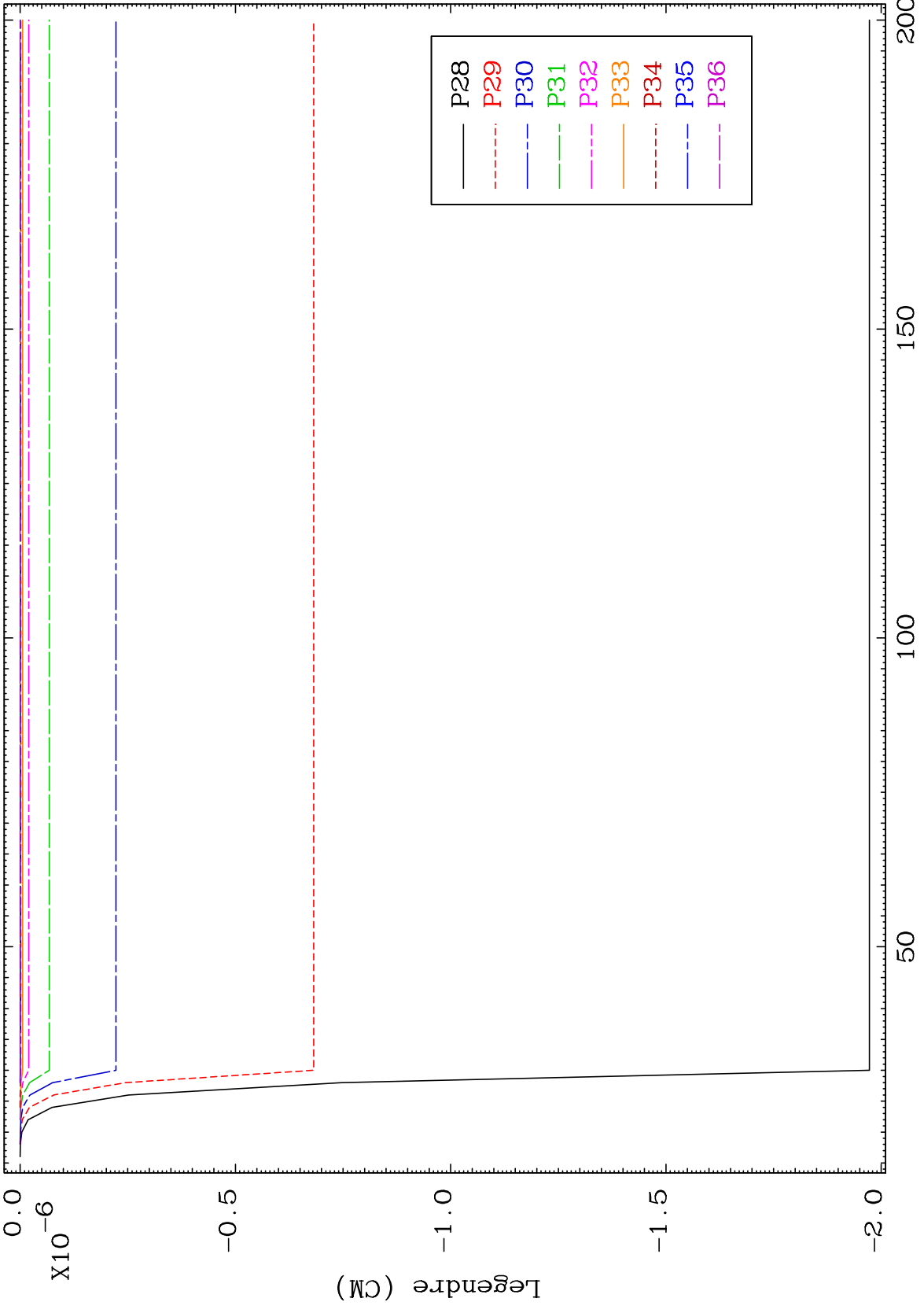
Incident Energy (MeV)

50-Sn-124

MAT 5061 MT= 64 (n,n') Level

50-Sn-124

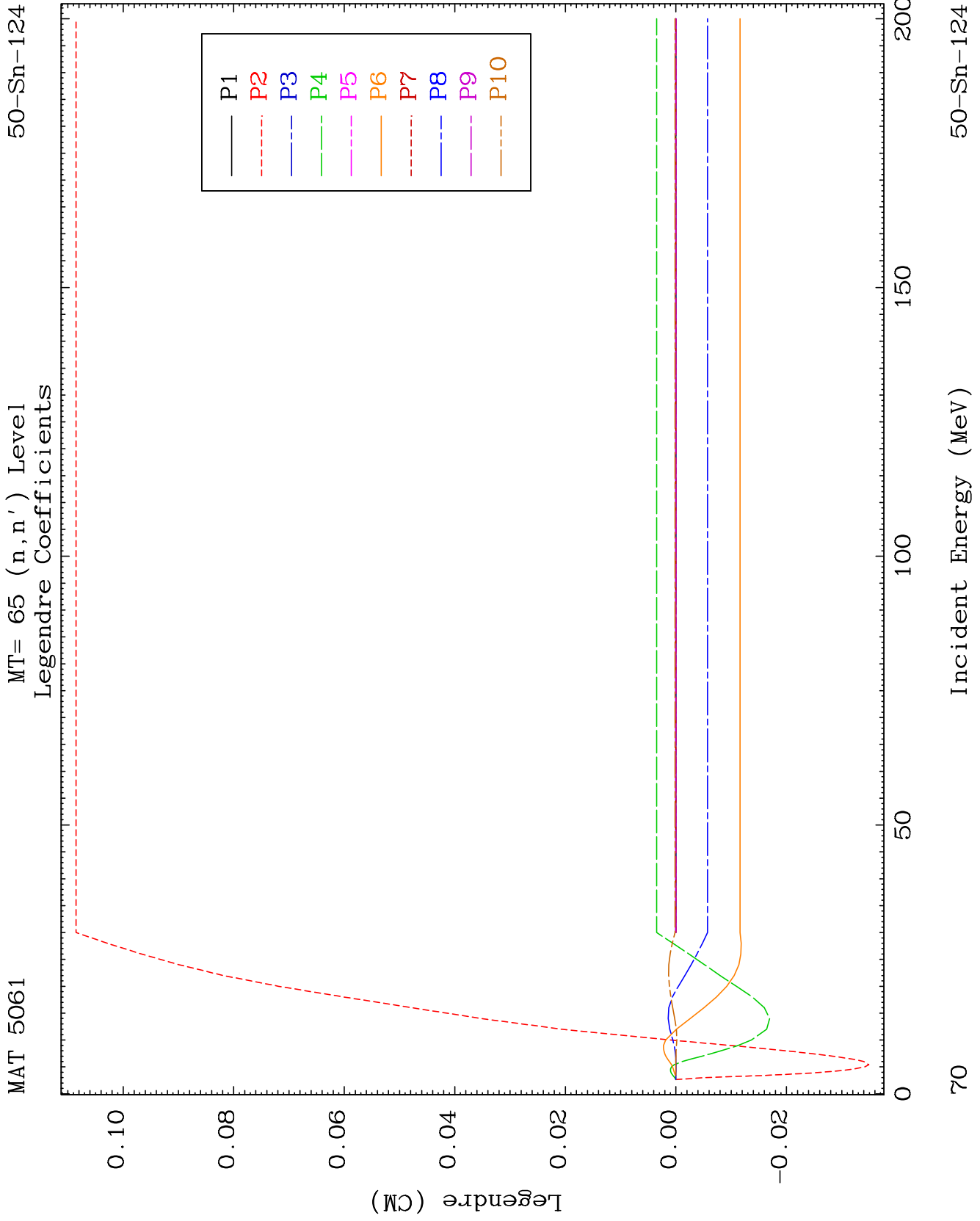
Legendre Coefficients



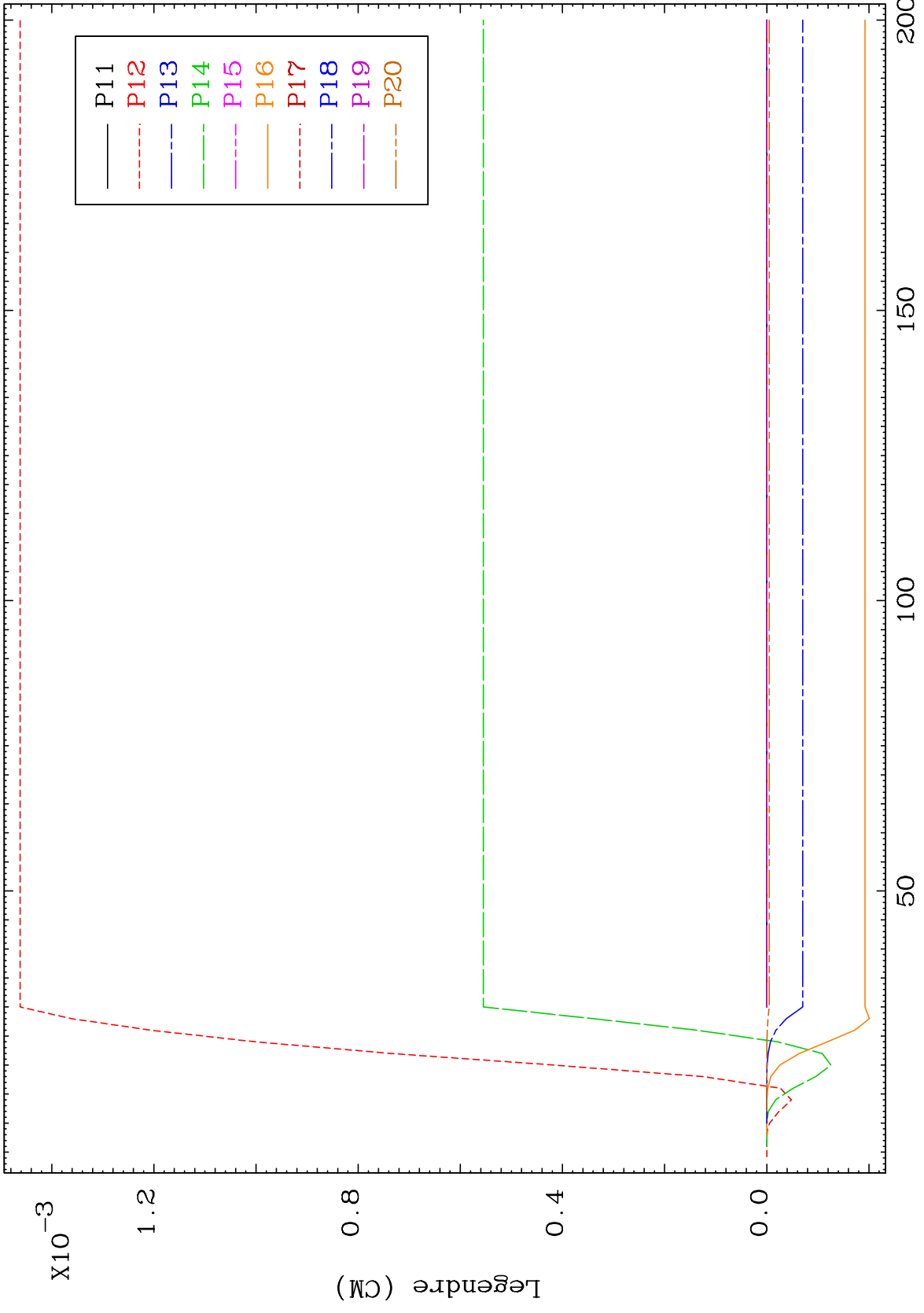
50-Sn-124

Incident Energy (MeV)

69

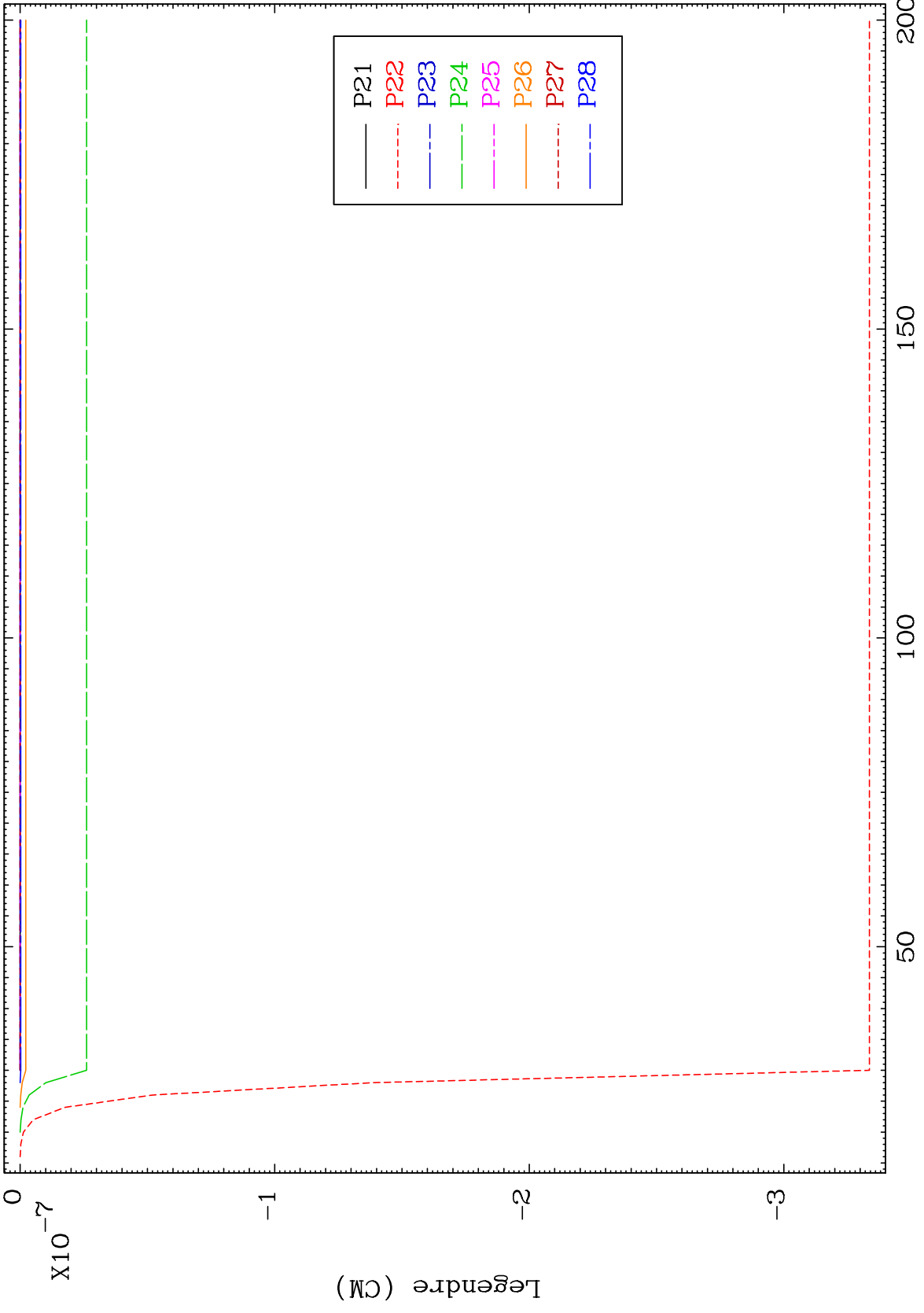


MAT 5061 MT= 65 (n,n') Level Legendre Coefficients 50-Sn-124





MAT 5061 MT= 65 (n,n') Level Legendre Coefficients 50-Sn-124

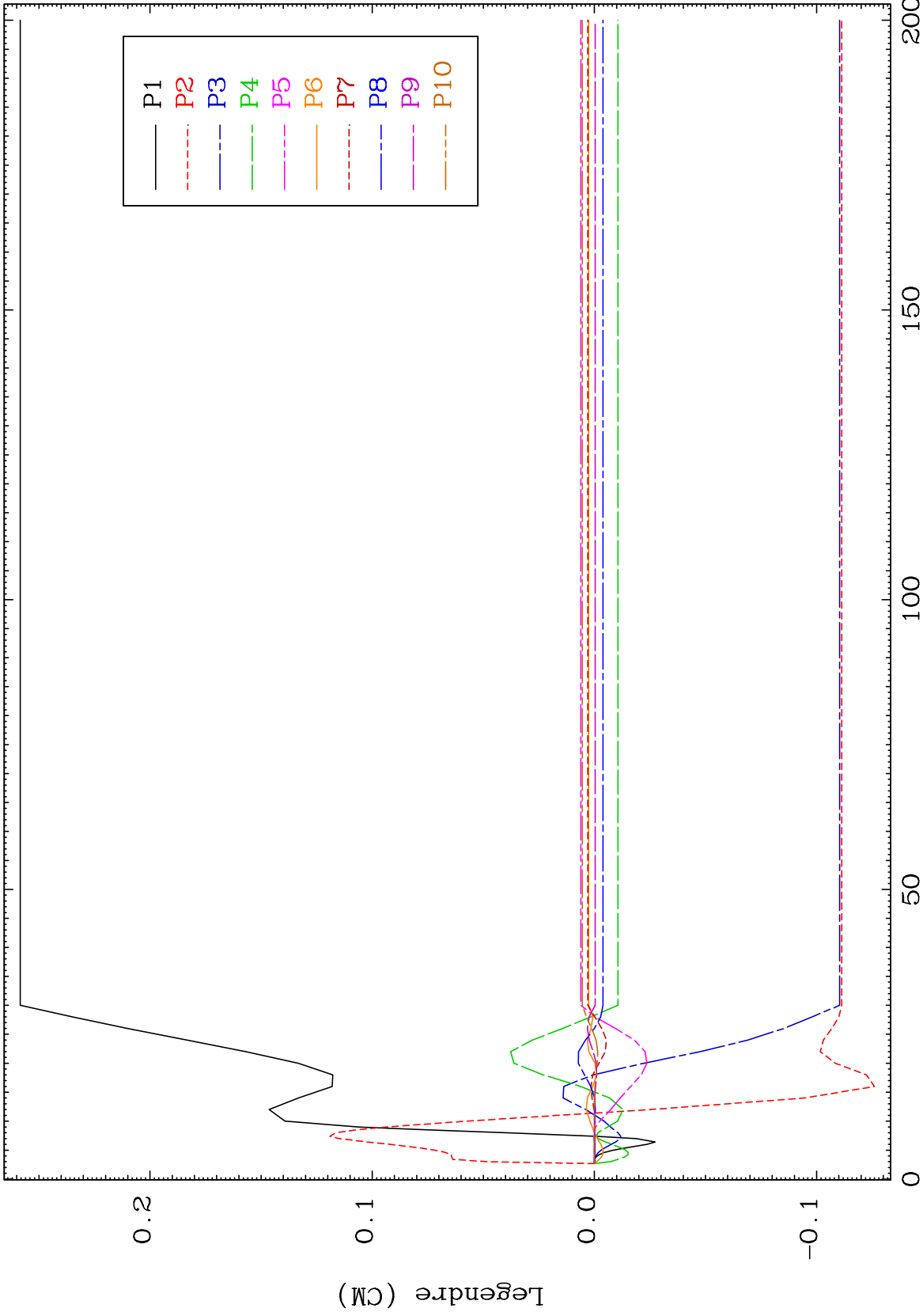


72 50-Sn-124

MAT 5061

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

50-Sn-124



73

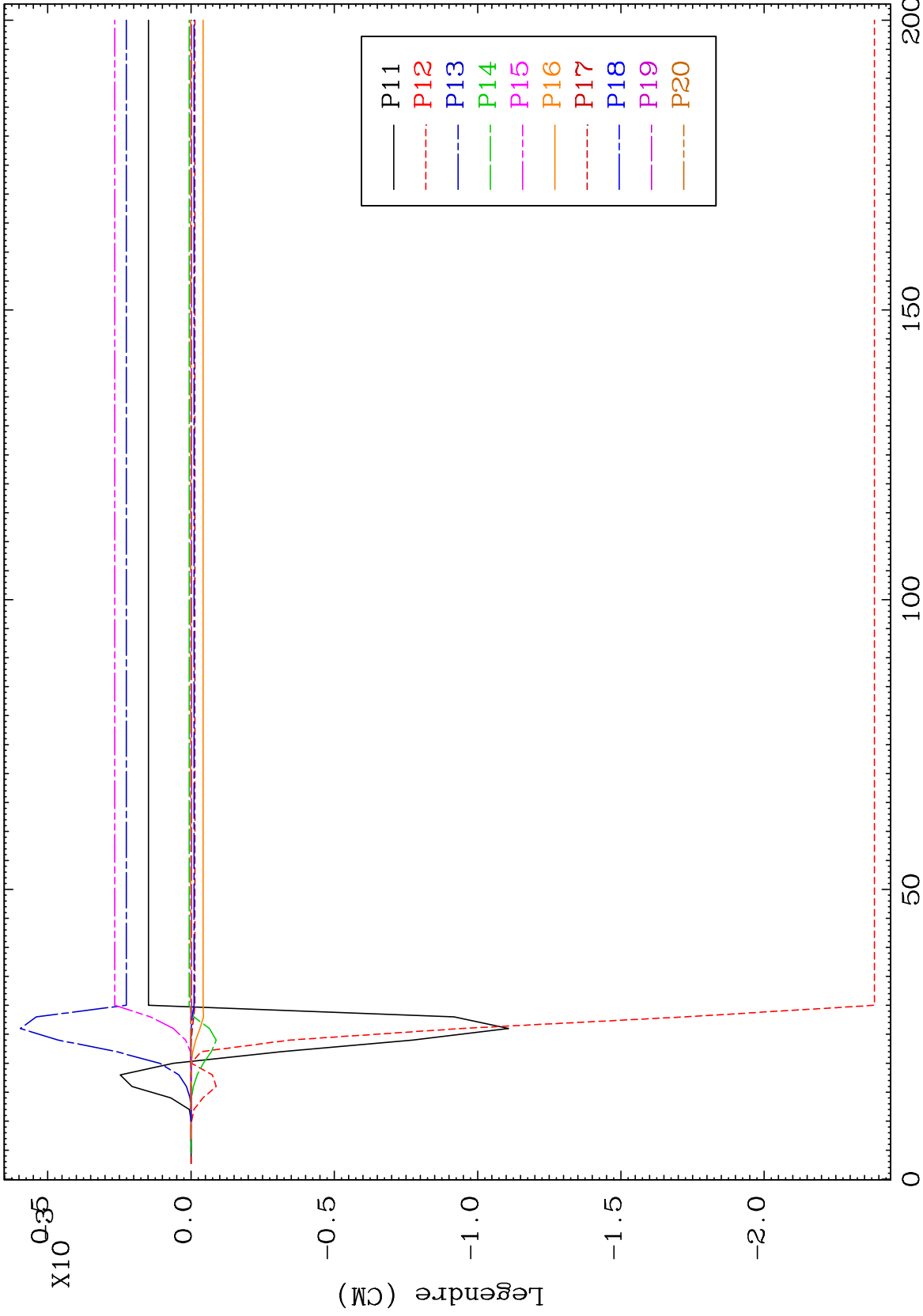
Incident Energy (MeV)

50-Sn-124

MAT 5061

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

50-Sn-124



74

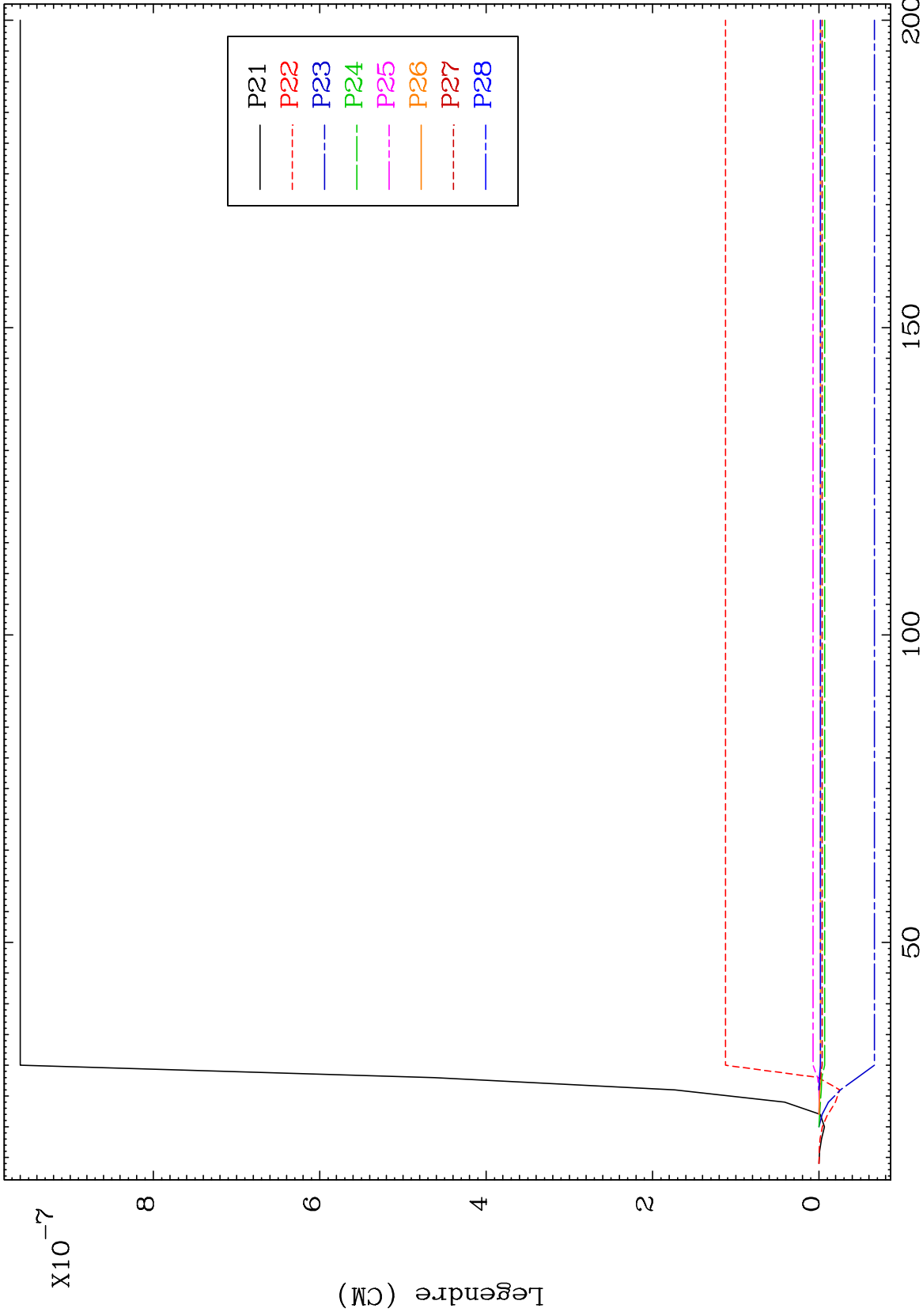
Incident Energy (MeV)

50-Sn-124

MAT 5061

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

50-Sn-124

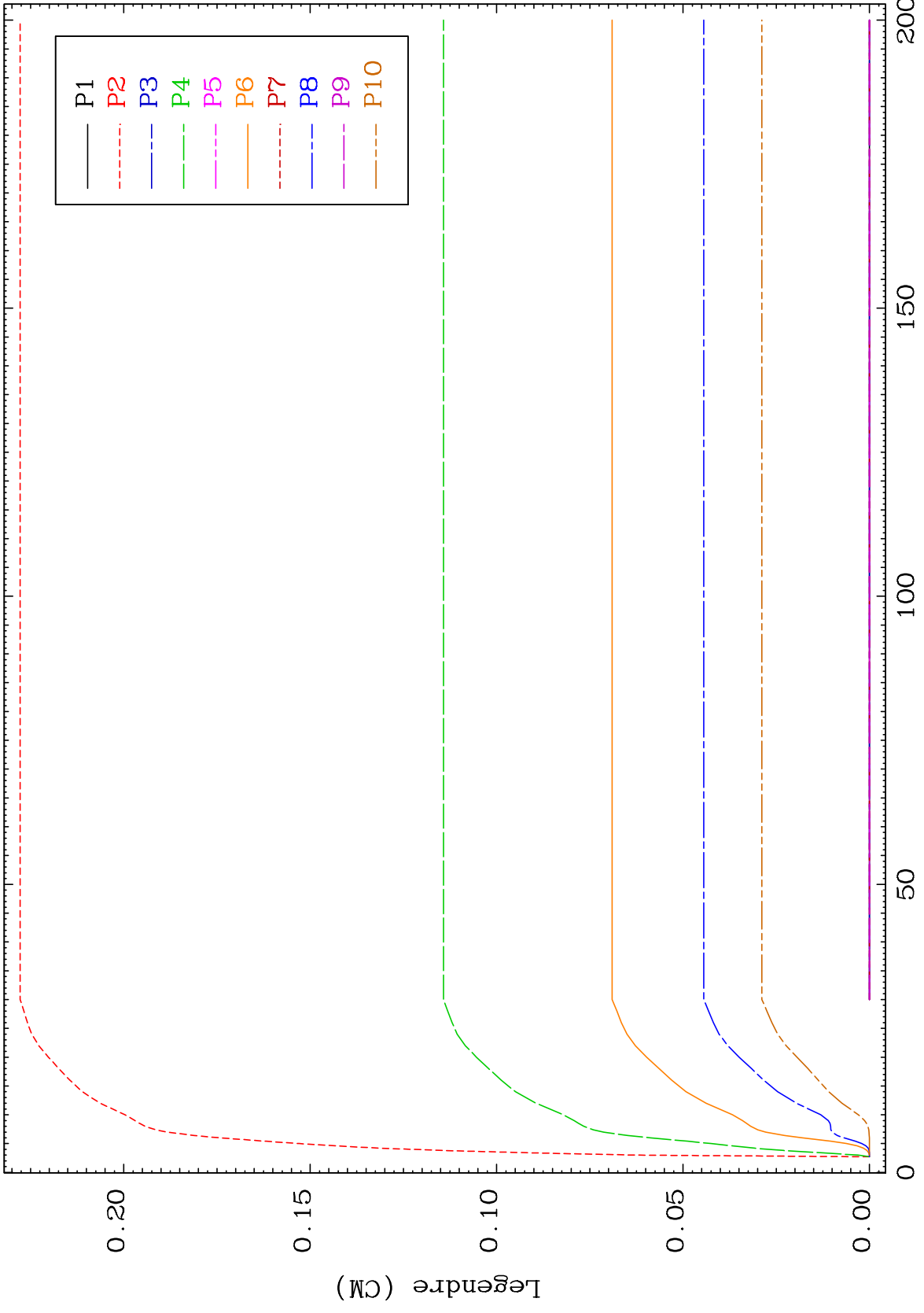


75

Incident Energy (MeV)

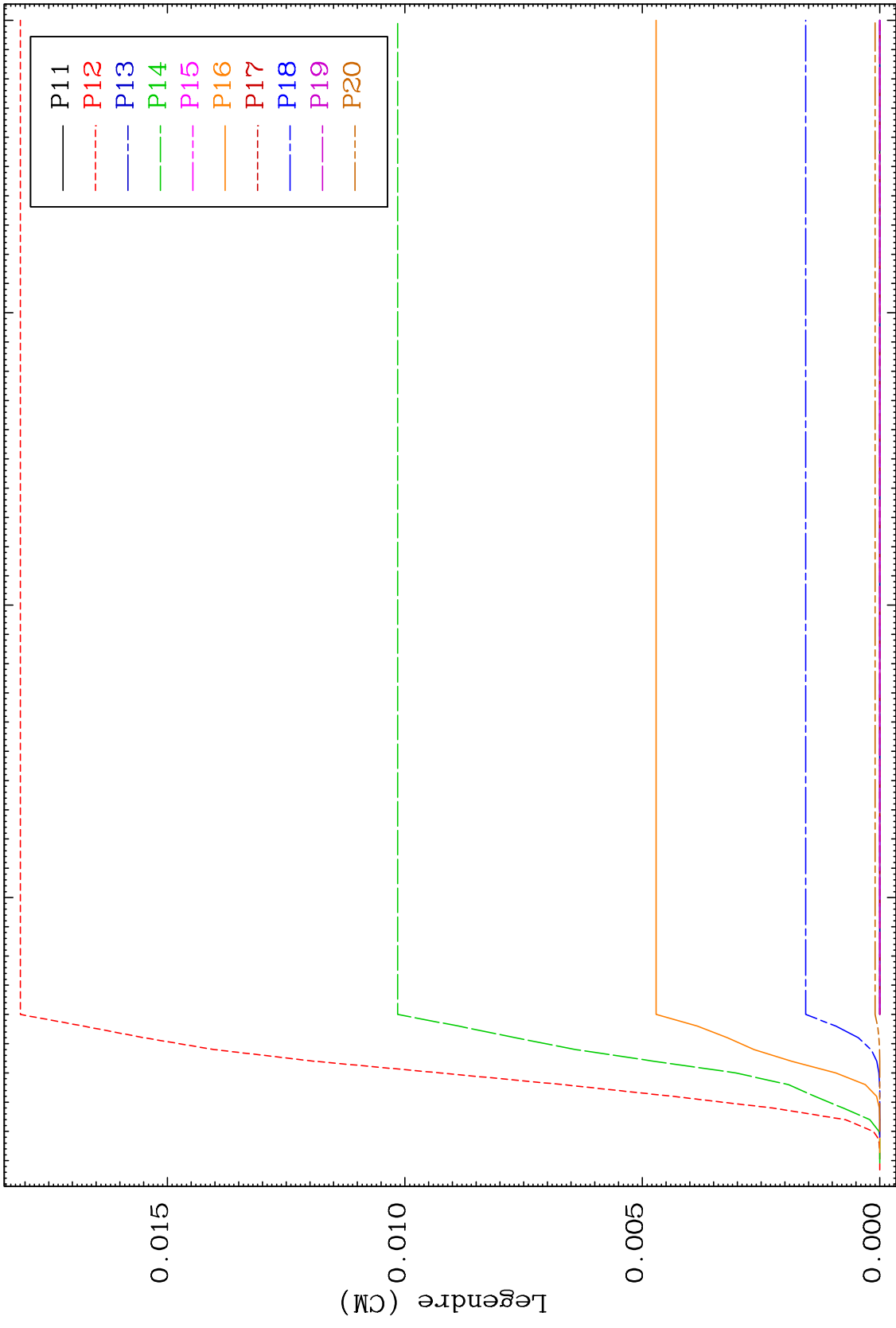
50-Sn-124

MAT 5061 MT= 67 (n,n') Level Legendre Coefficients 50-Sn-124



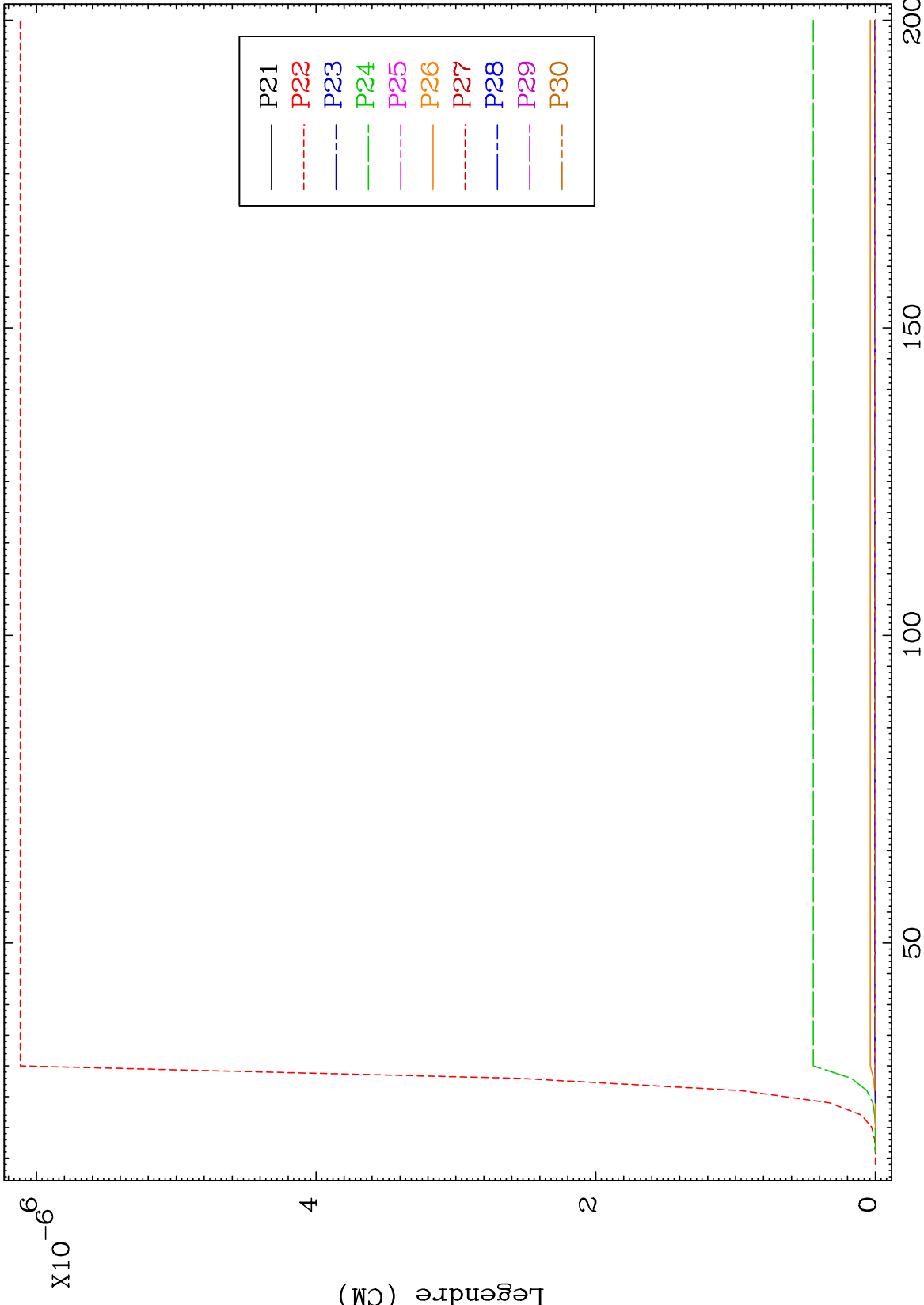
76 Incident Energy (MeV) 50-Sn-124

MAT 5061 MT= 67 (n,n') Level Legendre Coefficients 50-Sn-124



MAT 5061 MT= 67 (n,n') Level Legendre Coefficients

50-Sn-124

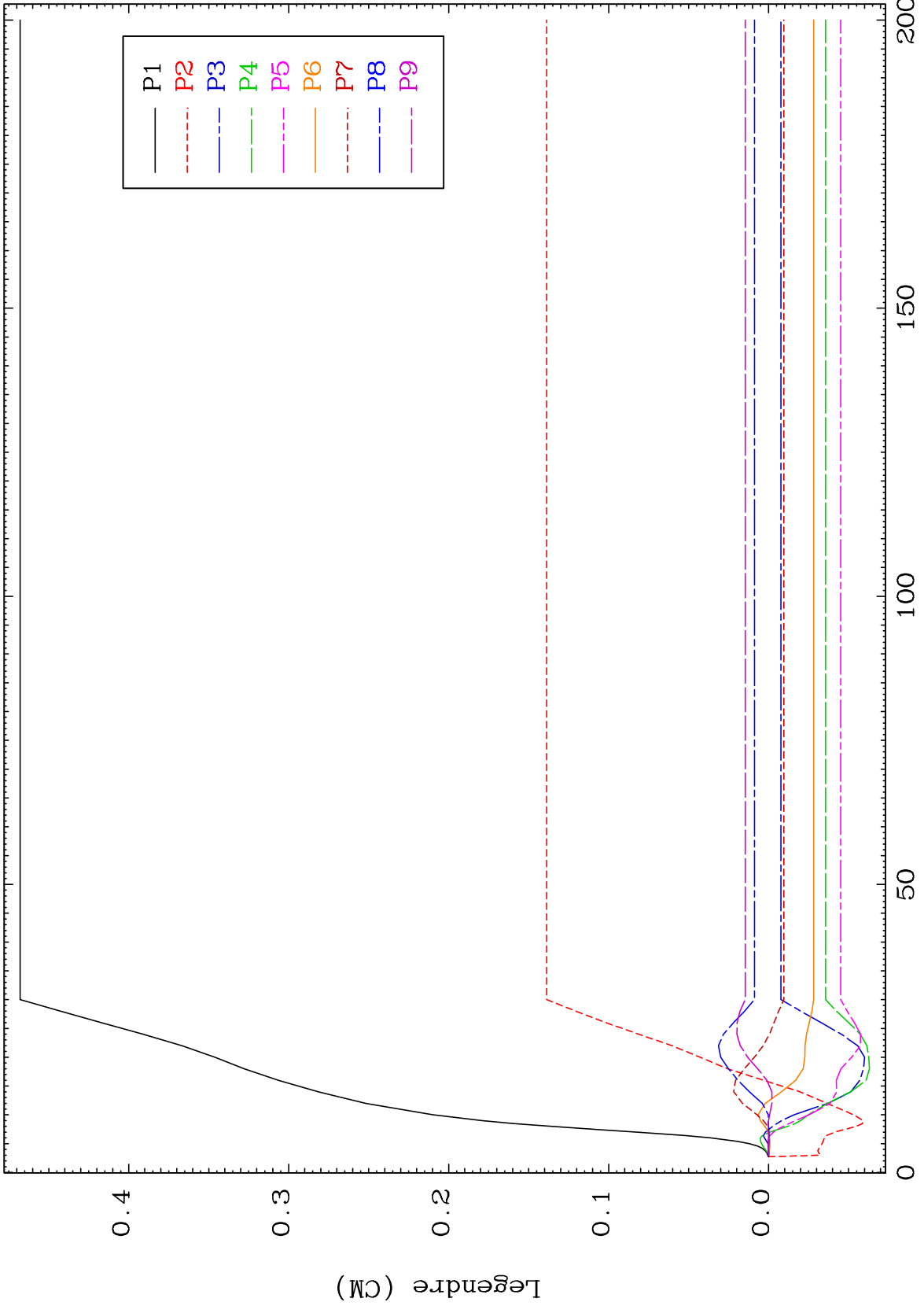


78

Incident Energy (MeV)

50-Sn-124

MAT 5061 MT= 68 (n,n') Level Legendre Coefficients 50-Sn-124



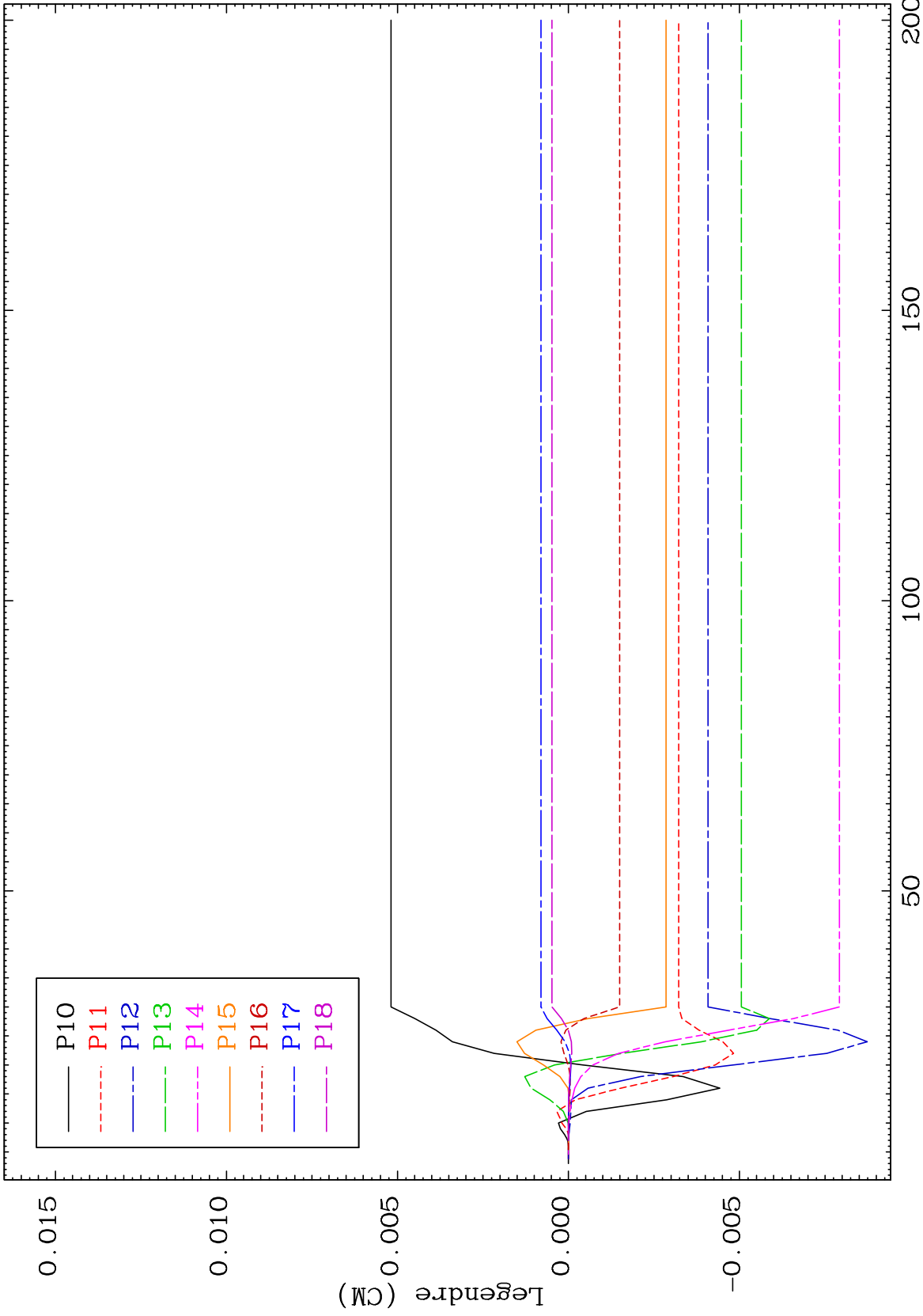
79 50-Sn-124



MAT 5061

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

50-Sn-124



80

Incident Energy (MeV)

50-Sn-124

200

150

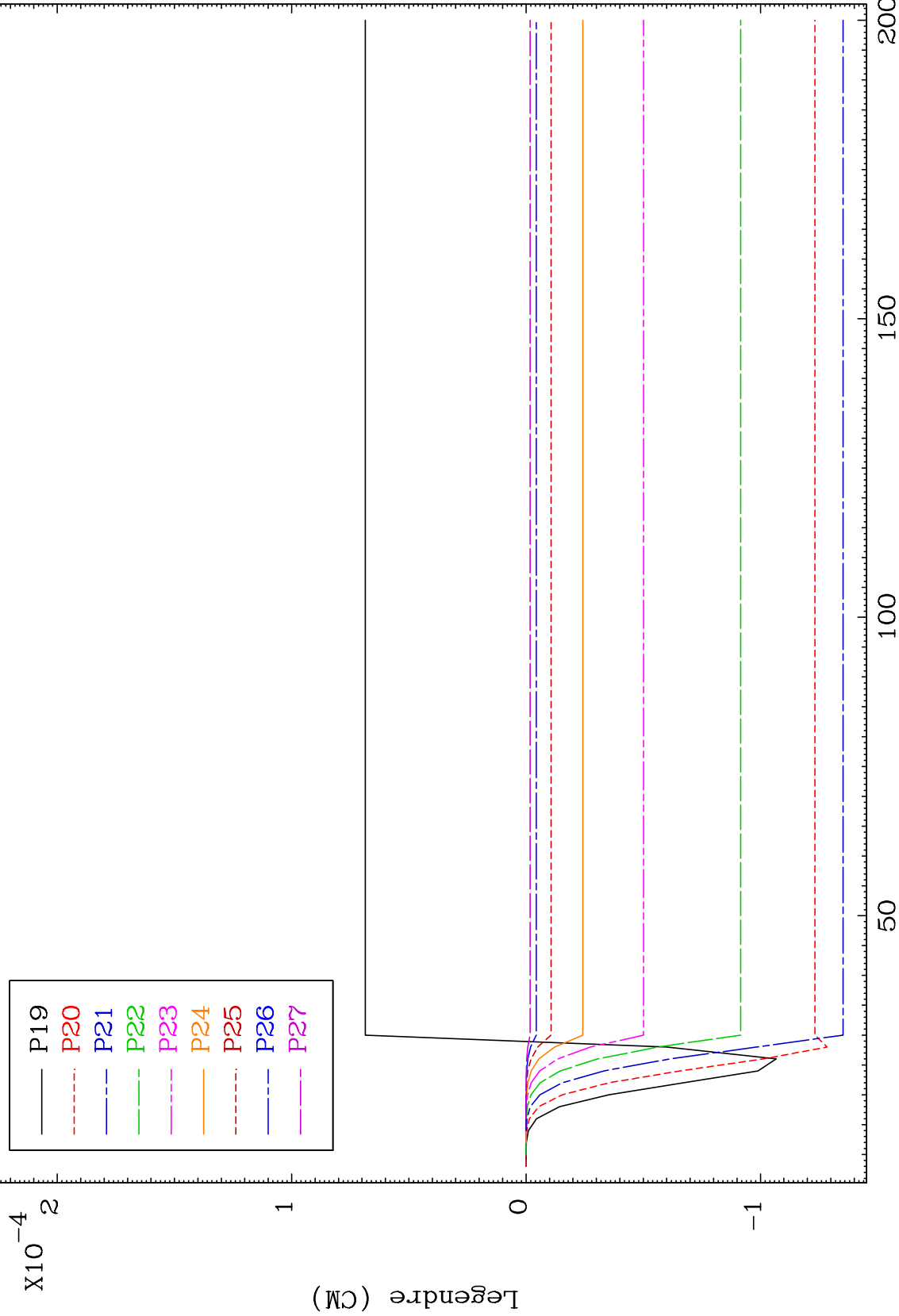
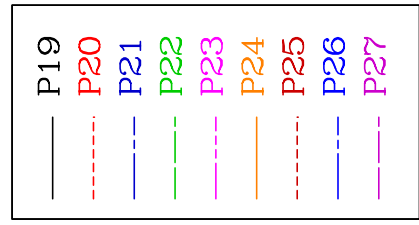
100

50

MAT 5061

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

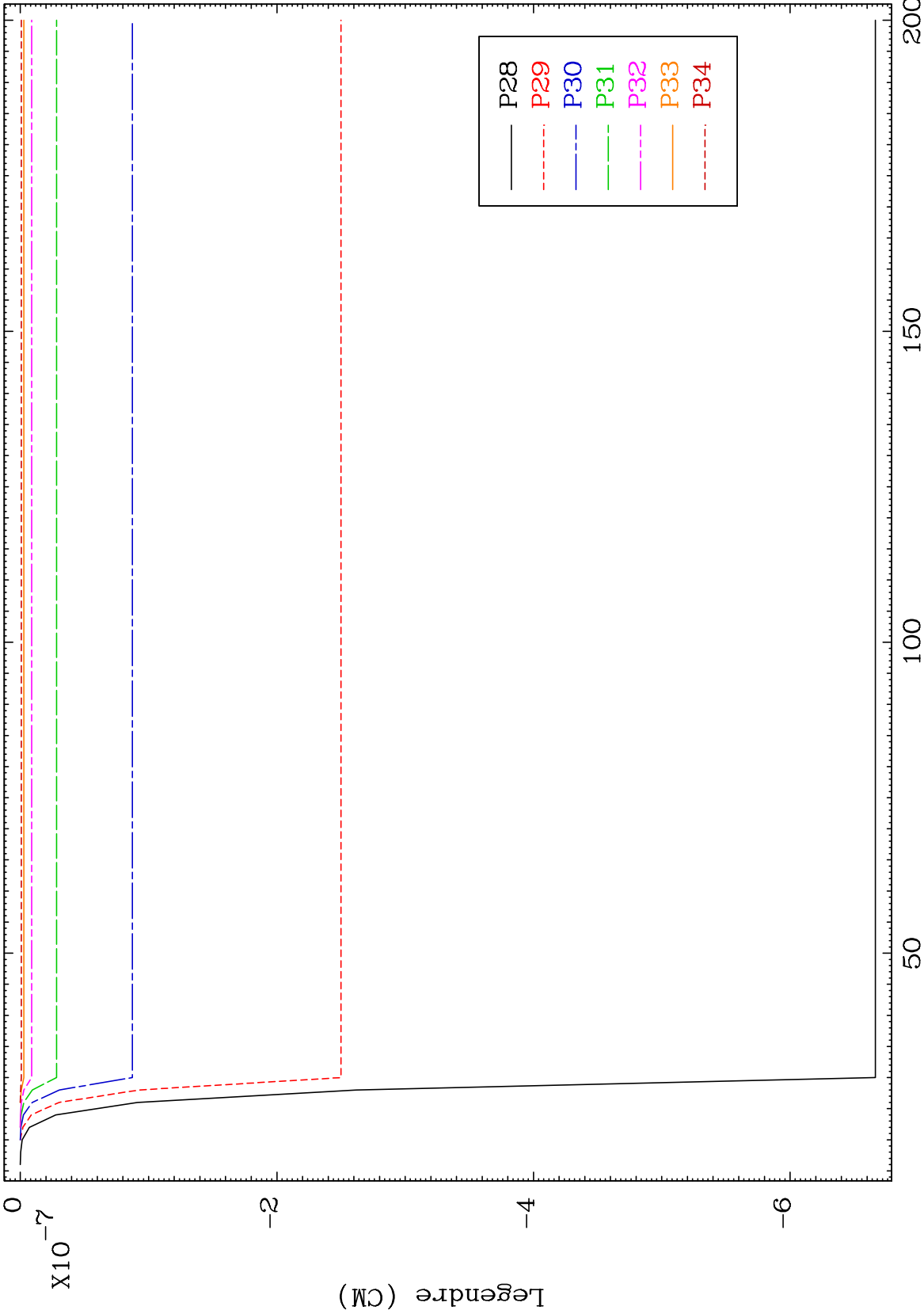
50-Sn-124



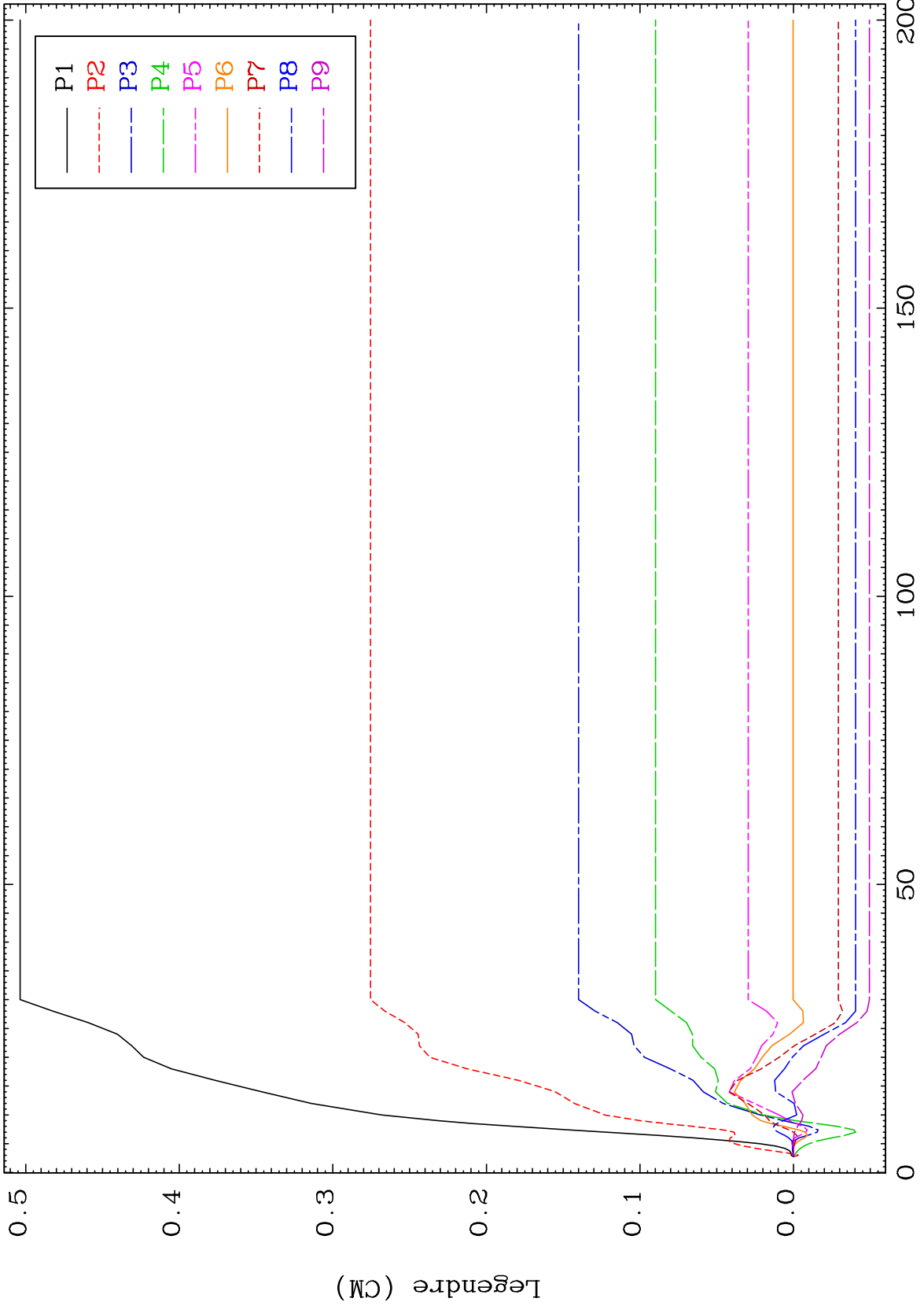
MAT 5061 MT= 68 (n,n') Level

Legendre Coefficients

50-Sn-124



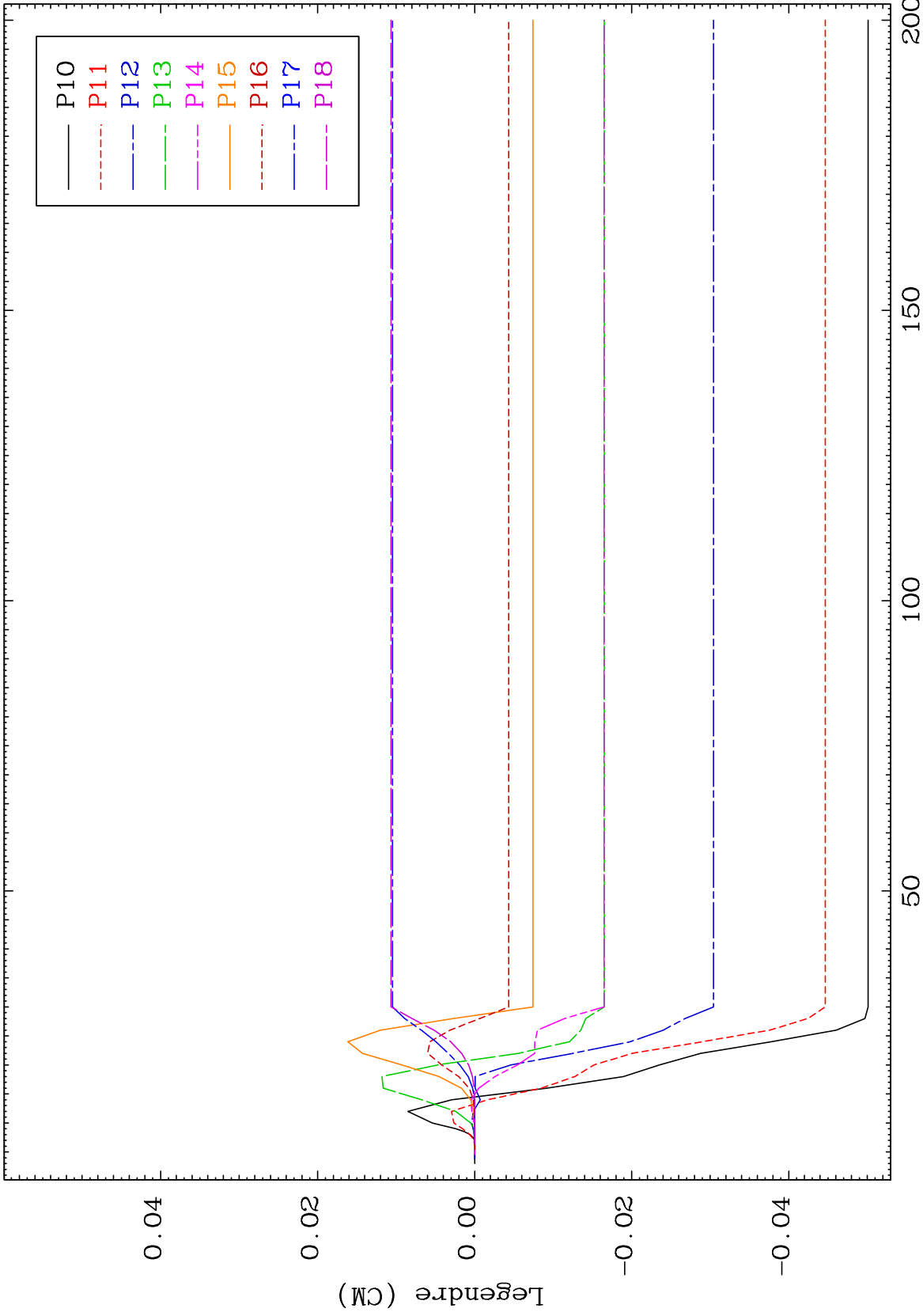
MAT 5061 MT= 69 (n,n') Level Legendre Coefficients 50-Sn-124



MAT 5061

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

50-Sn-124

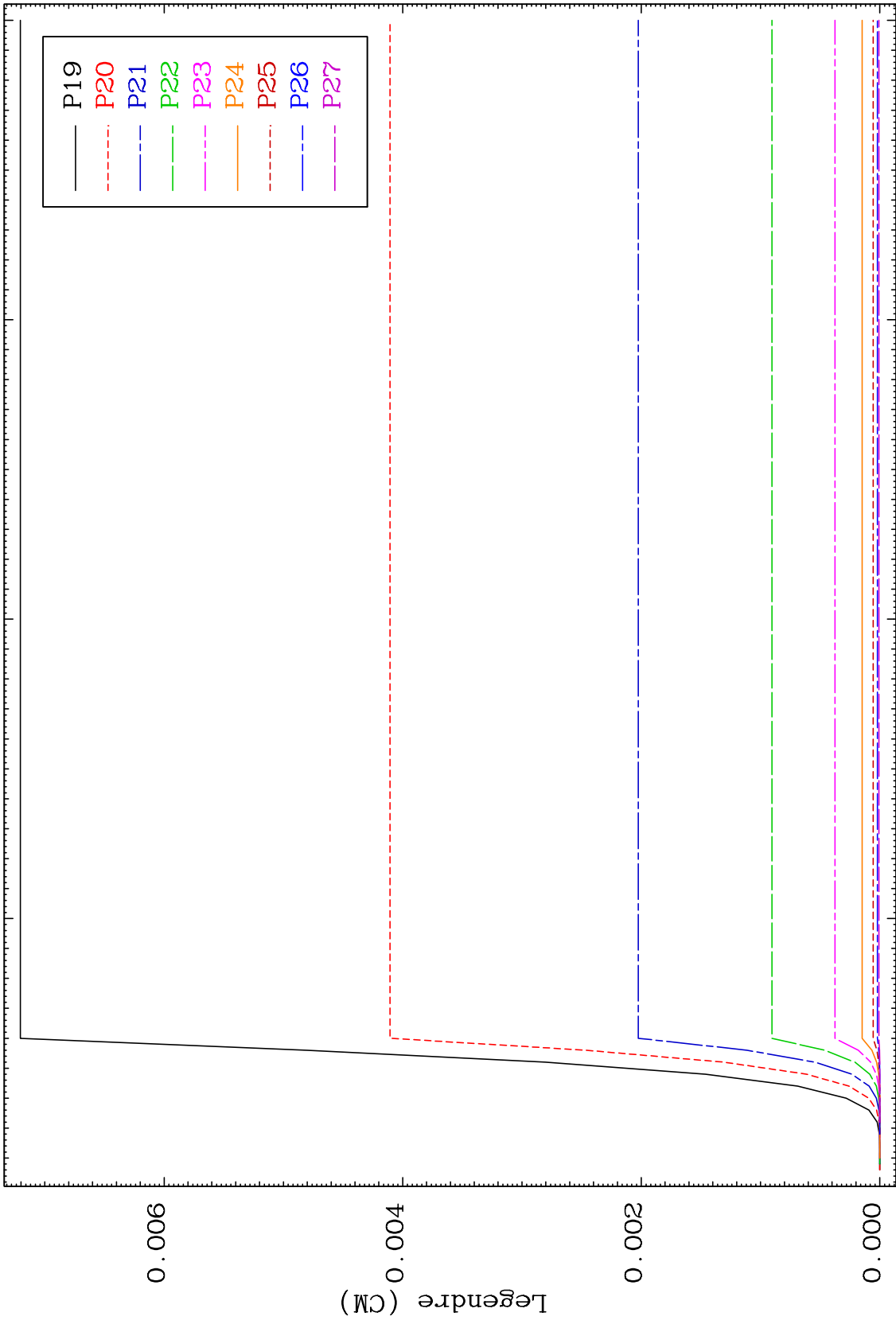


84

Incident Energy (MeV)

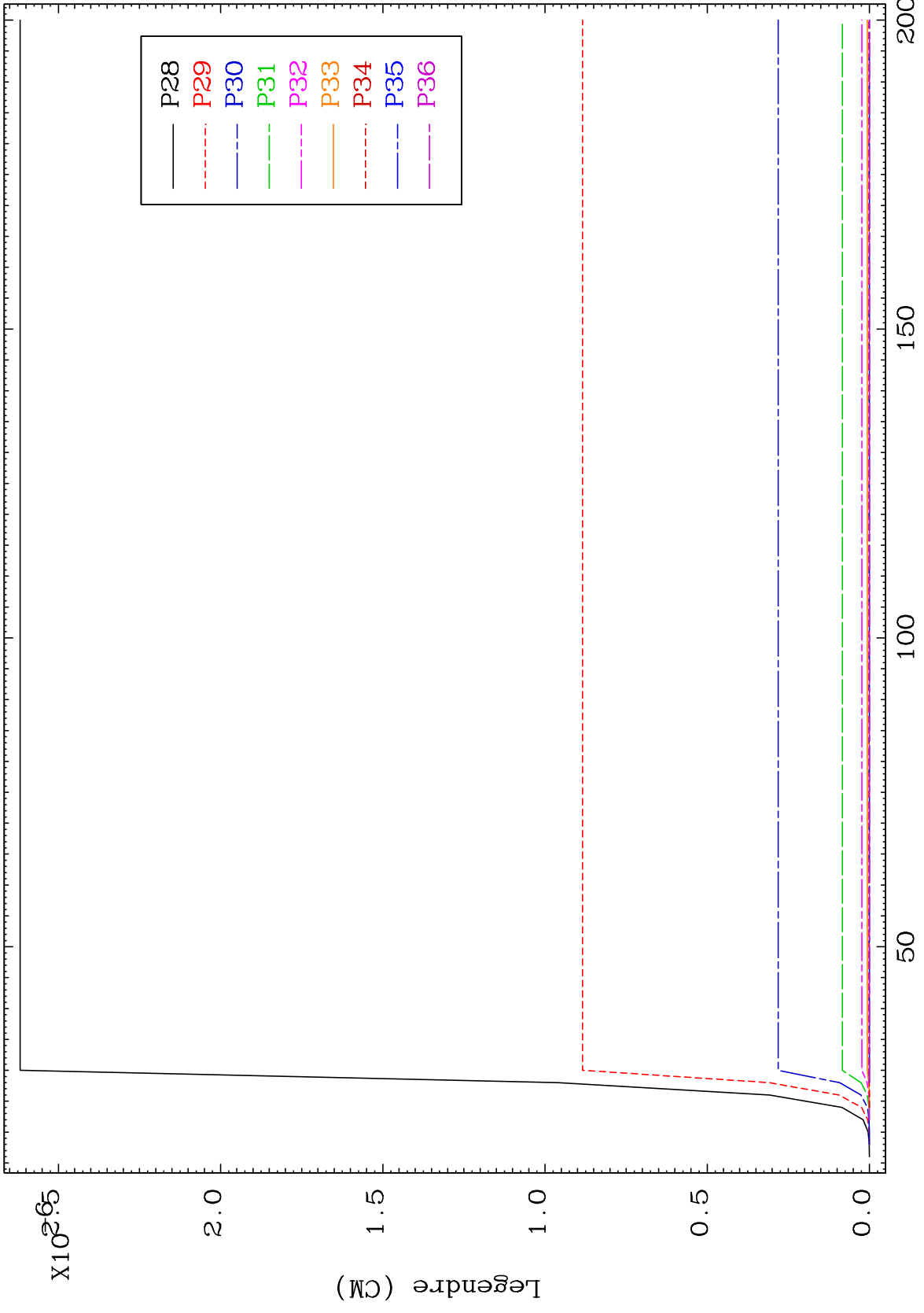
50-Sn-124

MAT 5061 MT= 69 (n,n') Level Legendre Coefficients 50-Sn-124

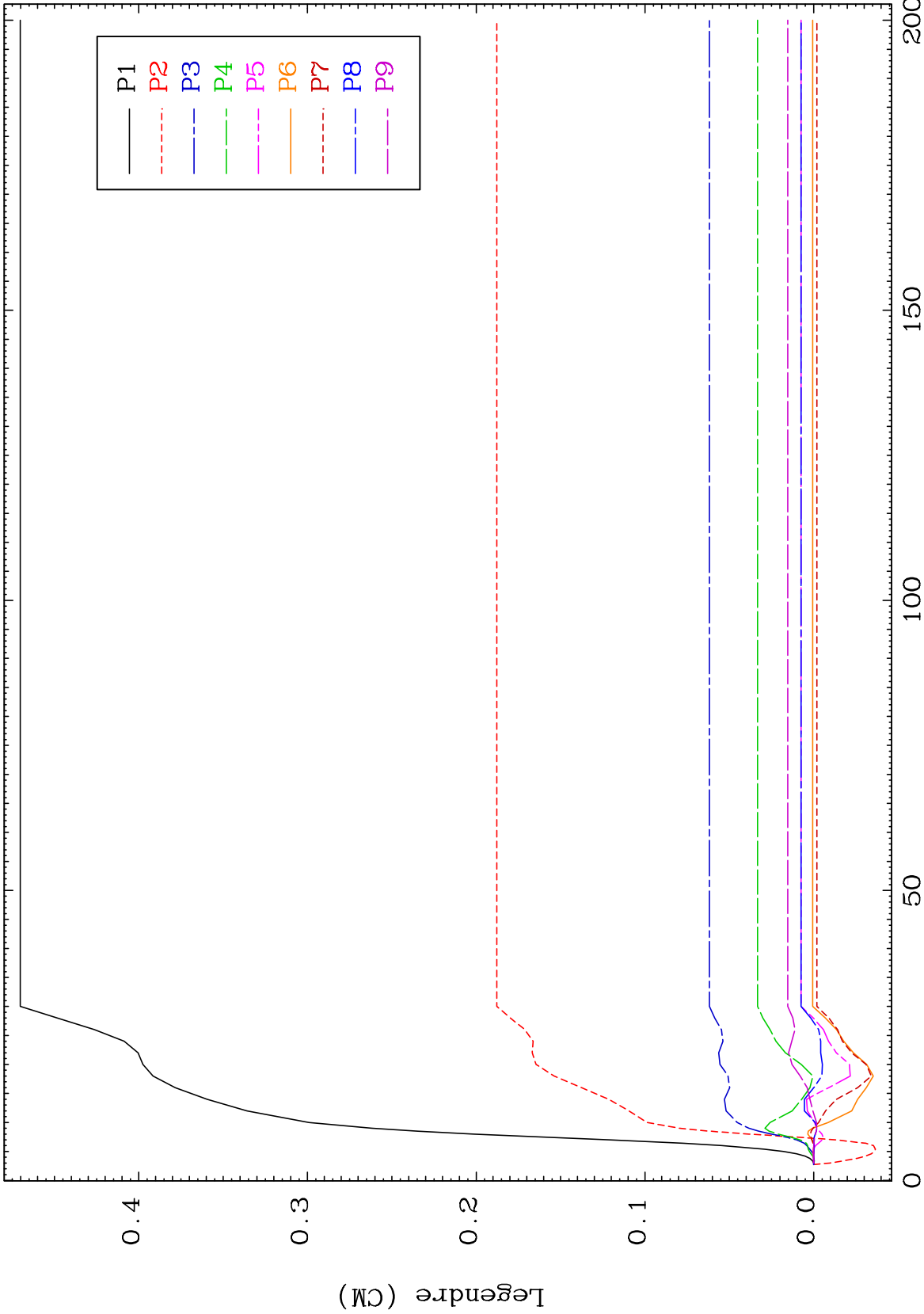


85 Incident Energy (MeV) 50-Sn-124

MAT 5061 MT= 69 (n,n') Level Legendre Coefficients 50-Sn-124



MAT 5061 MT= 70 (n,n') Level Legendre Coefficients 50-Sn-124



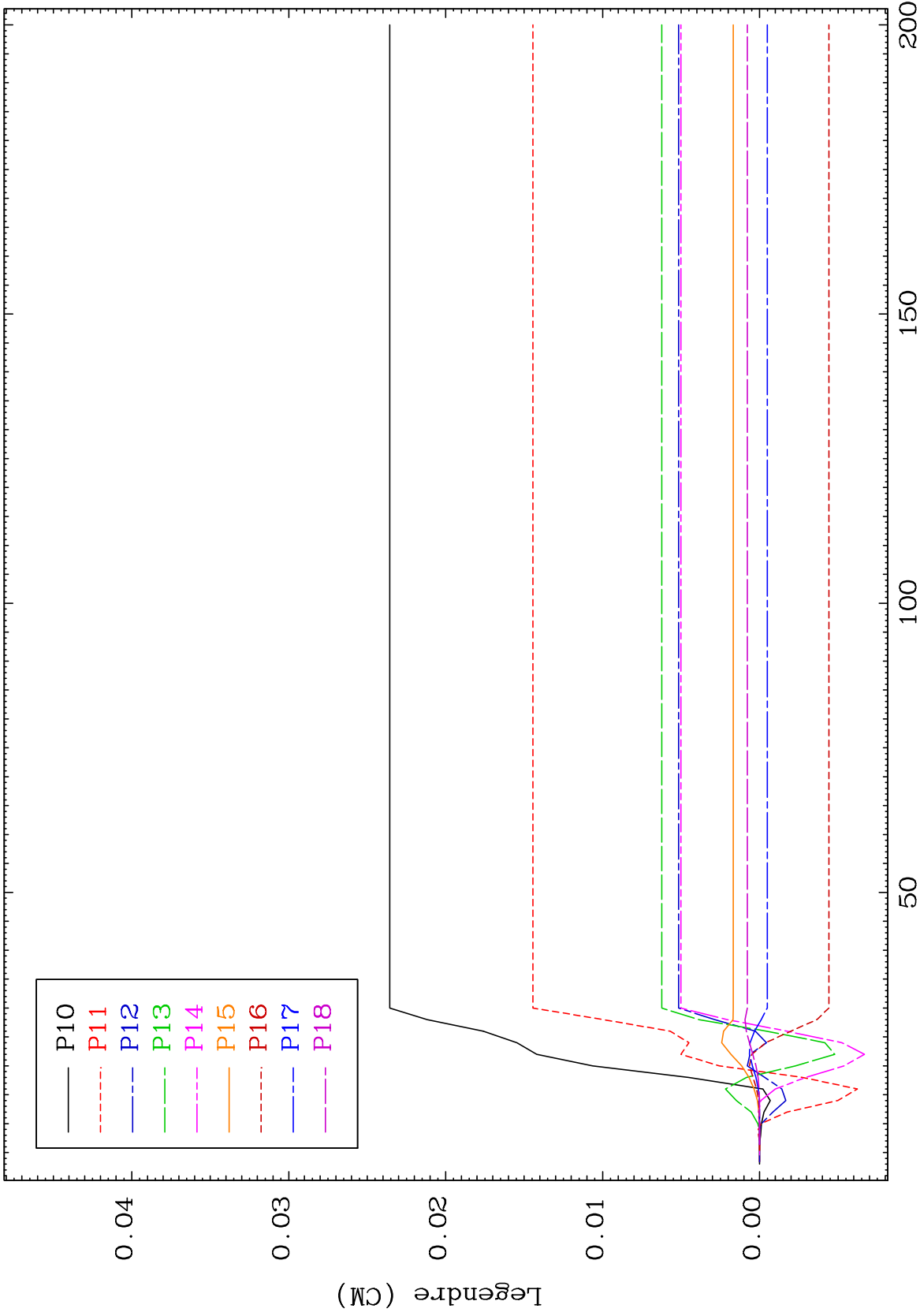
87 Incident Energy (MeV) 50-Sn-124



MAT 5061

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

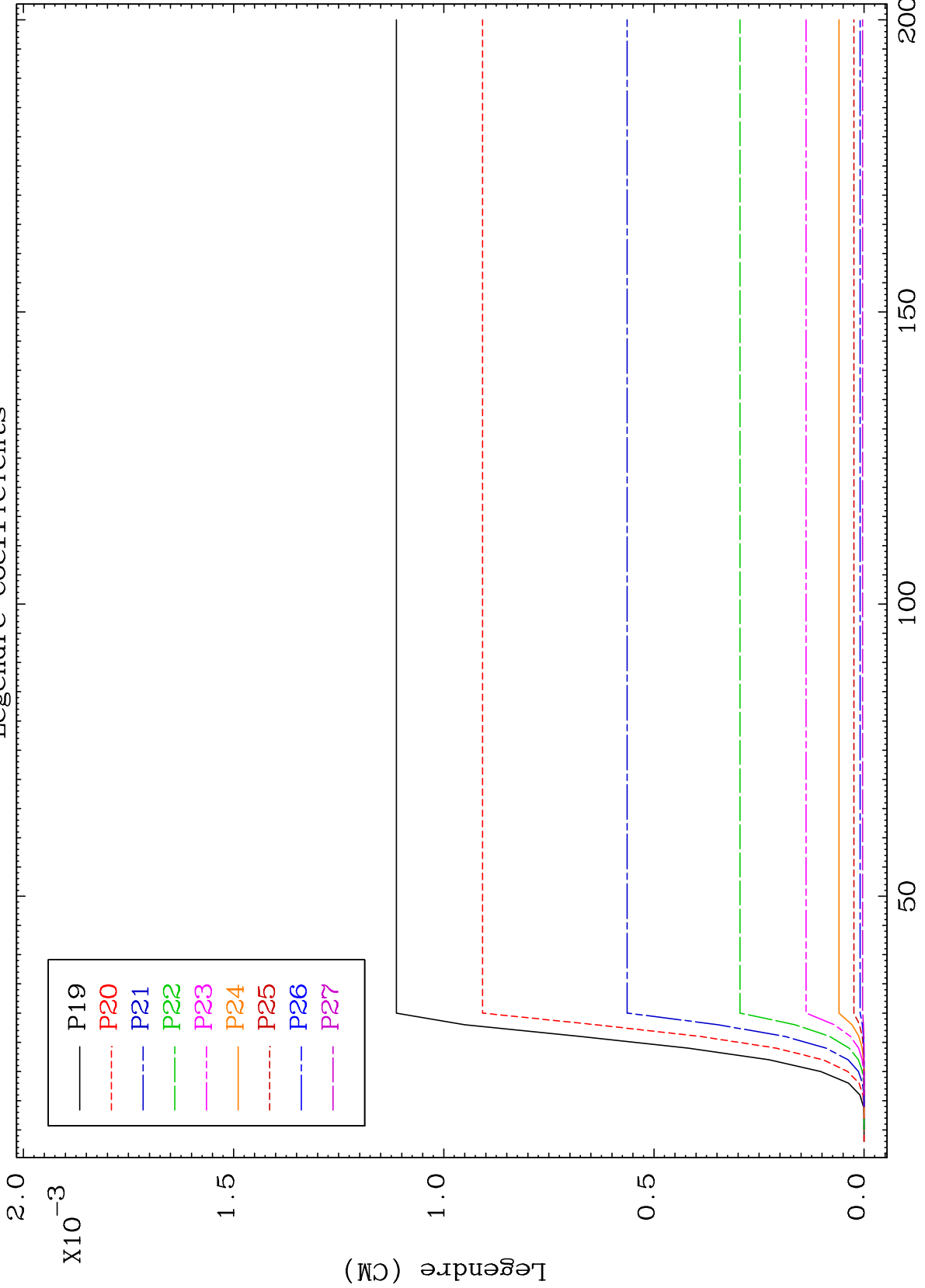
50-Sn-124



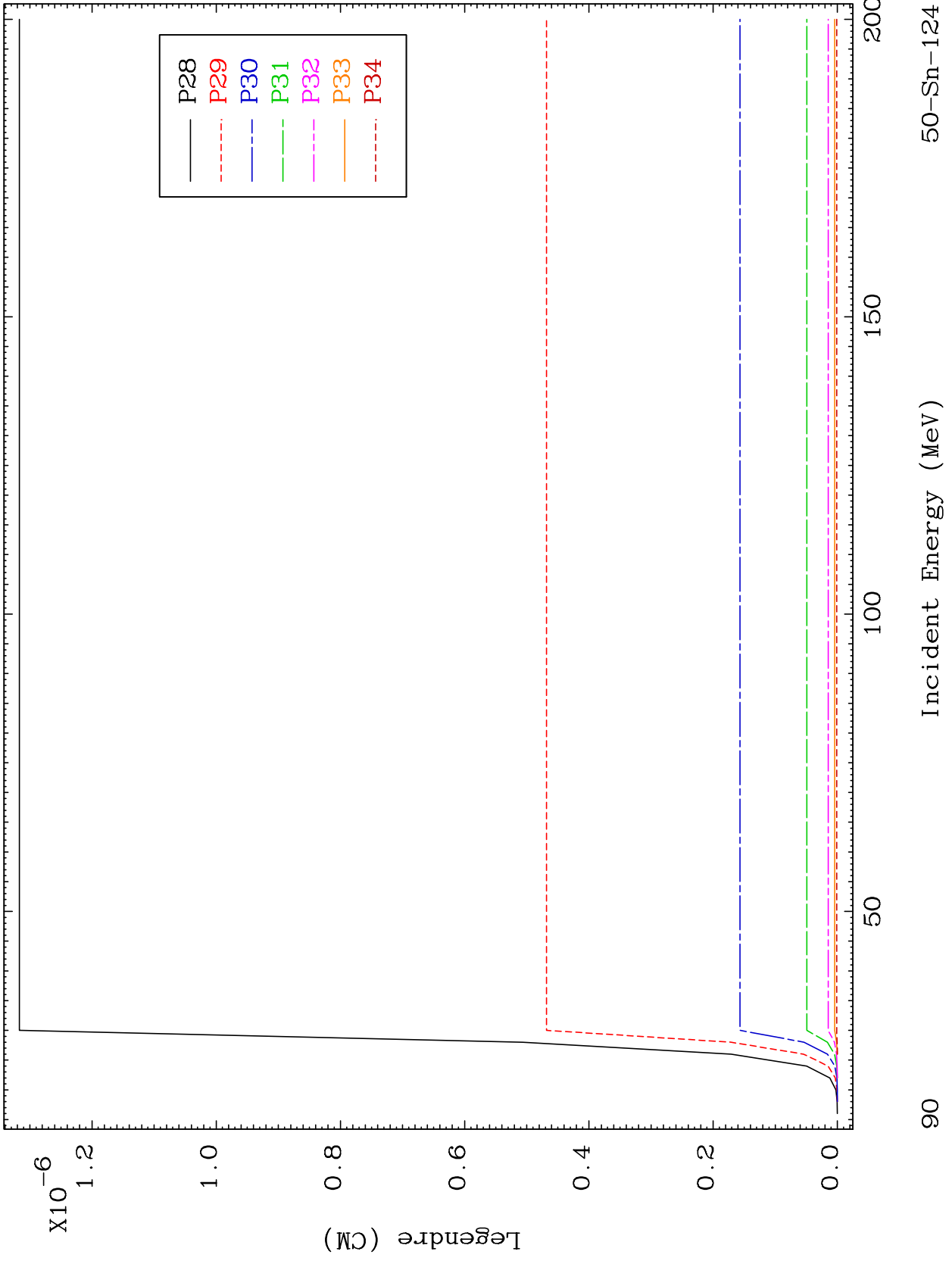
MAT 5061 MT= 70 (n,n') Level Legendre Coefficients

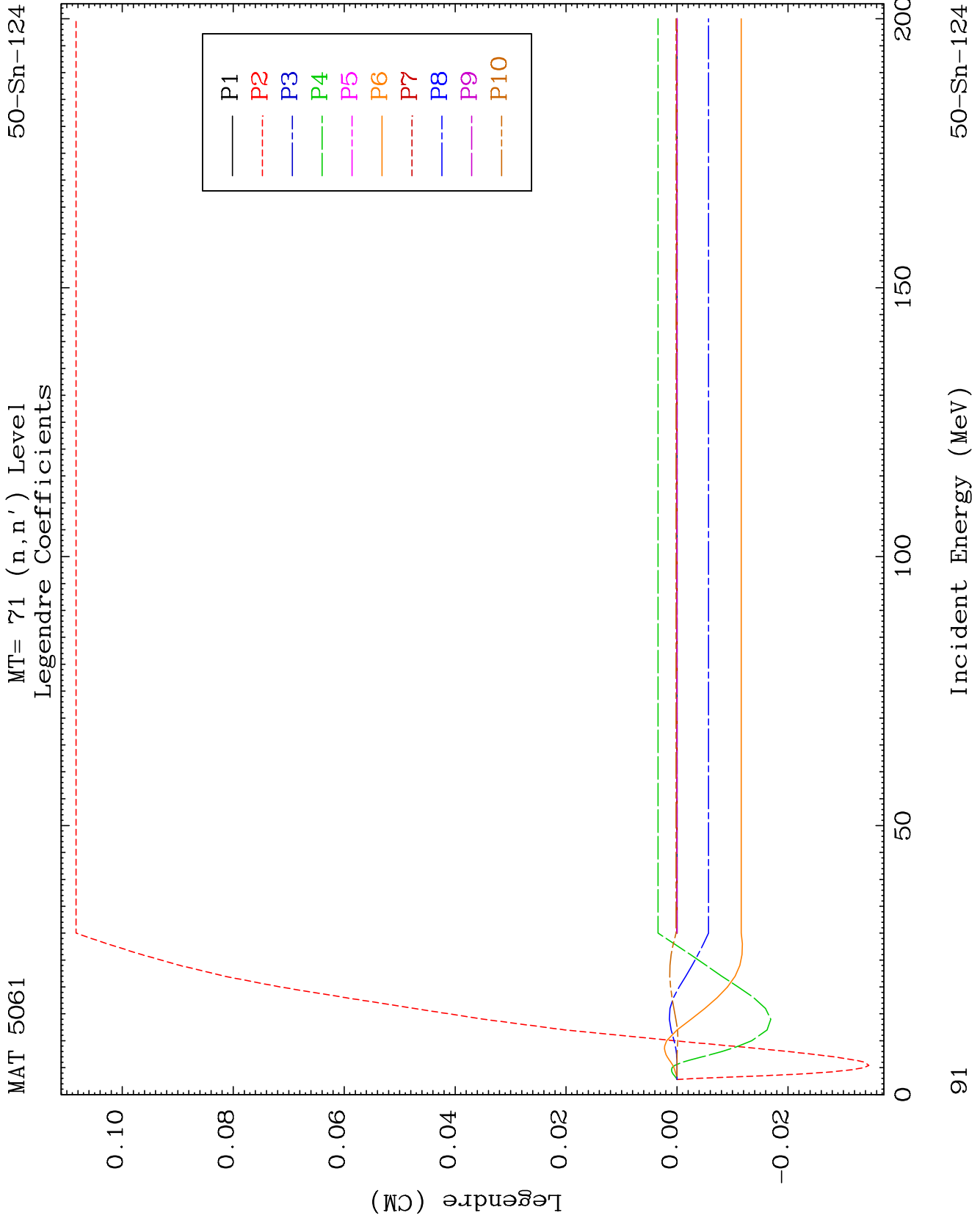
50-Sn-124

50-Sn-124

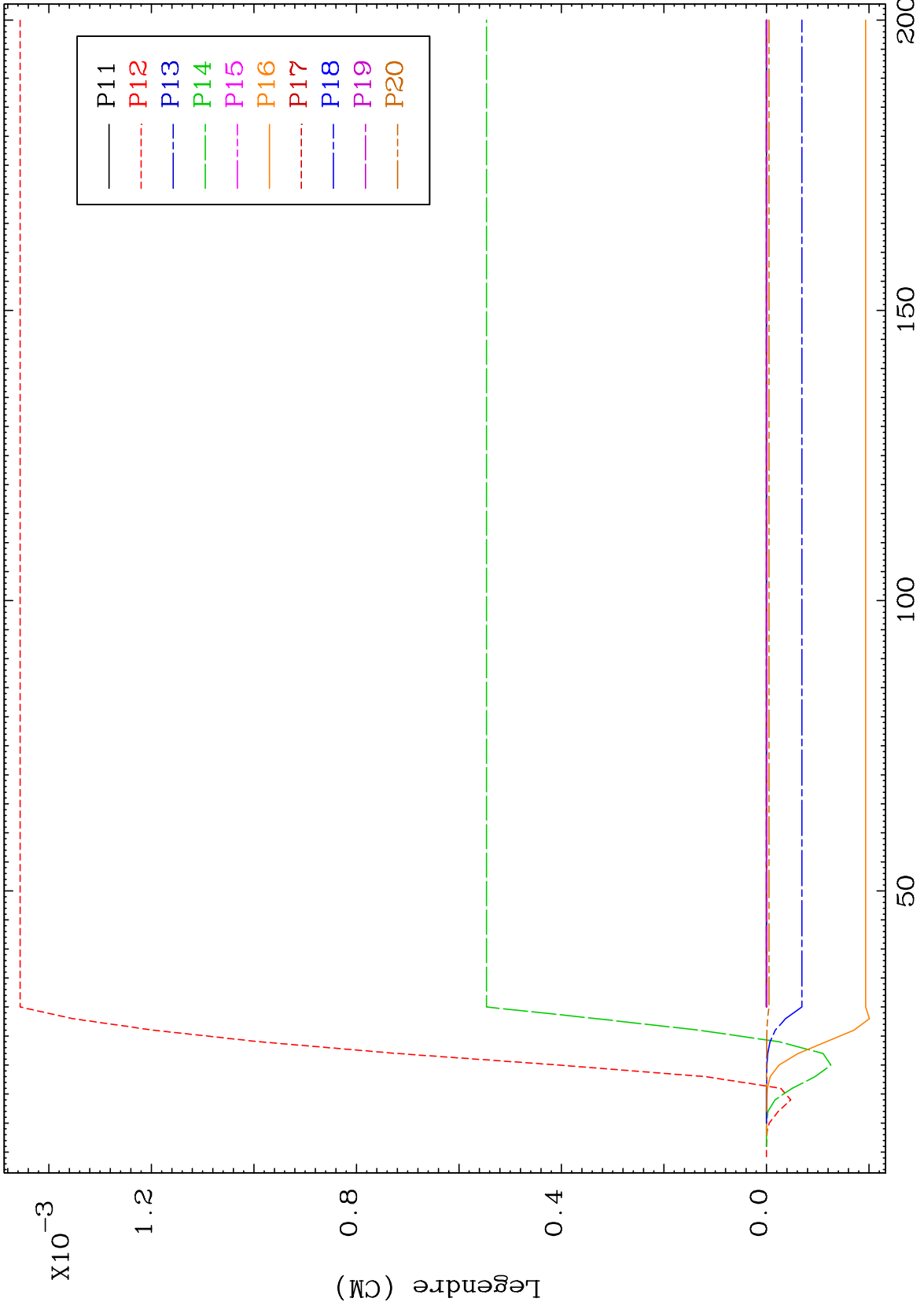


MAT 5061 MT= 70 (n,n') Level Legendre Coefficients 50-Sn-124

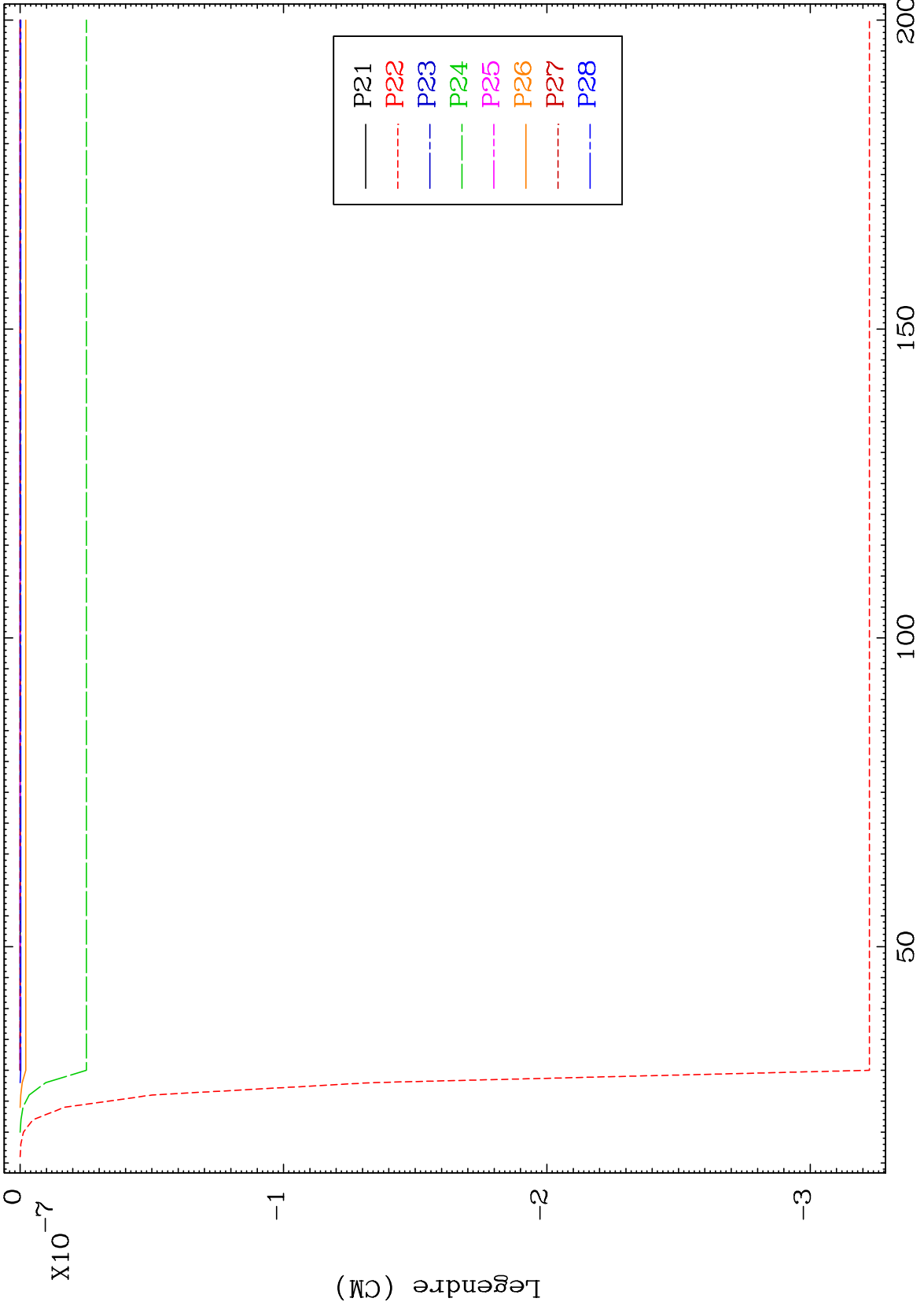




MAT 5061 MT= 71 (n,n') Level Legendre Coefficients 50-Sn-124

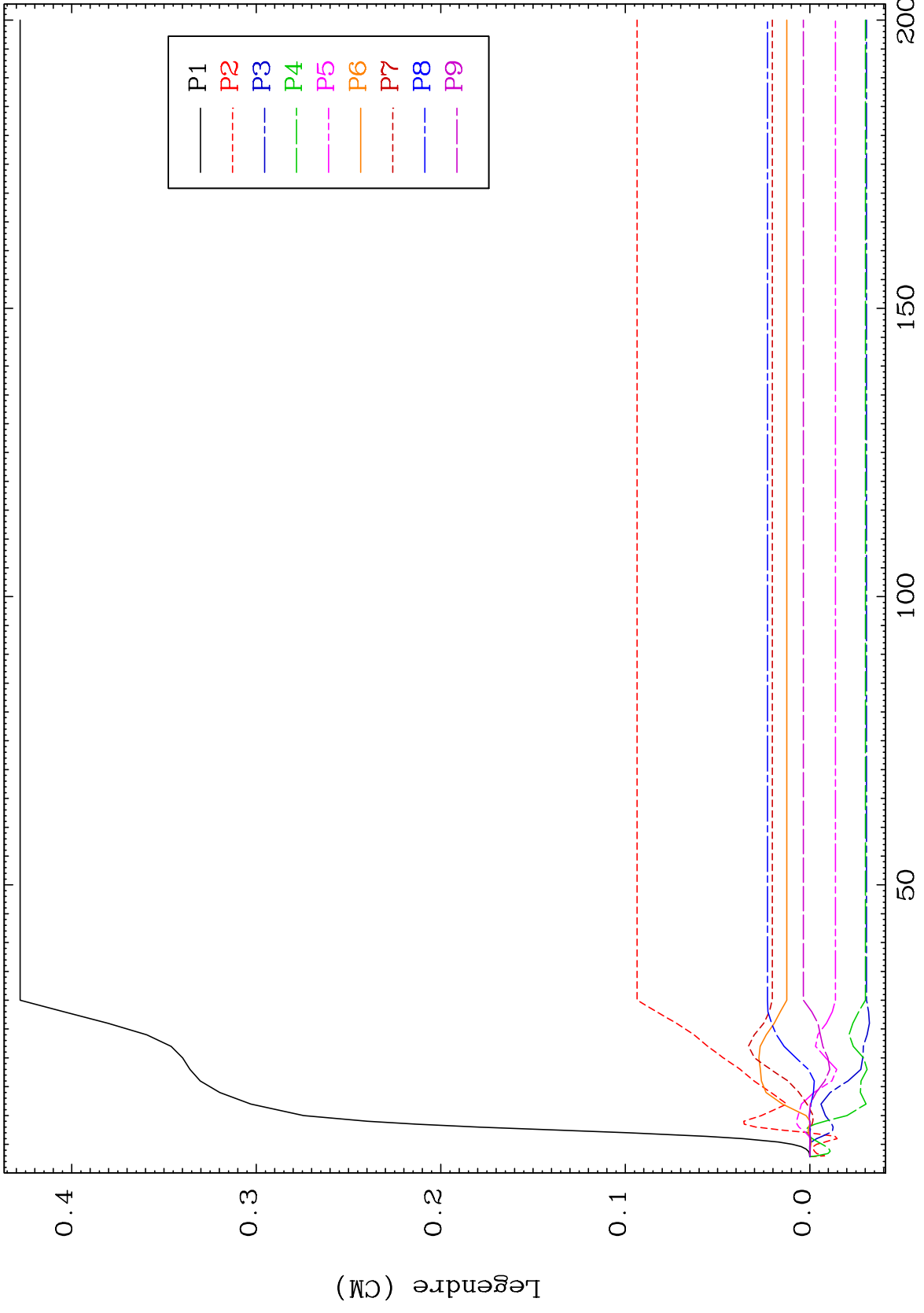


MAT 5061 MT= 71 (n,n') Level Legendre Coefficients 50-Sn-124



93 50-Sn-124

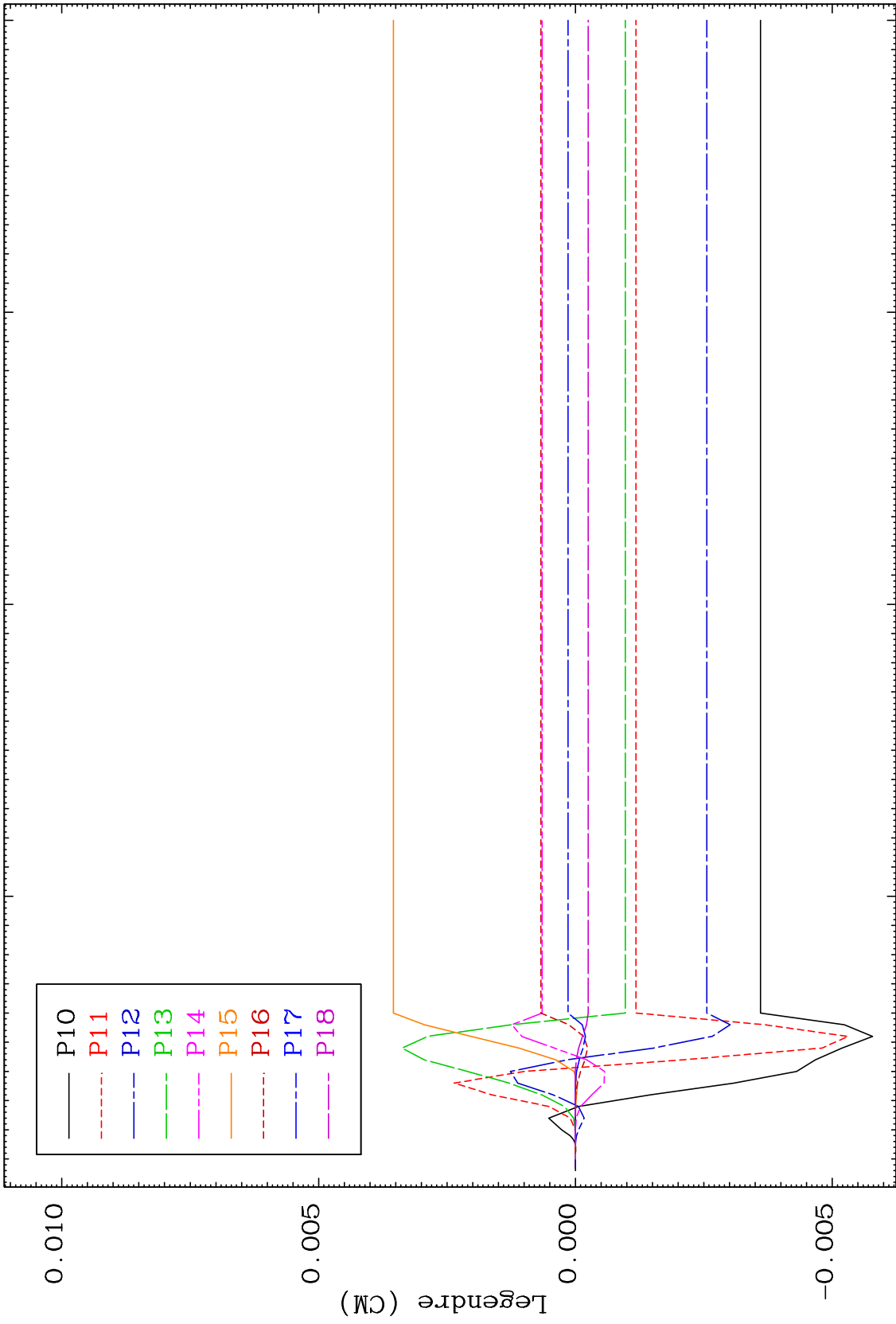
MAT 5061 MT= 72 (n,n') Level Legendre Coefficients 50-Sn-124



MAT 5061

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

50-Sn-124



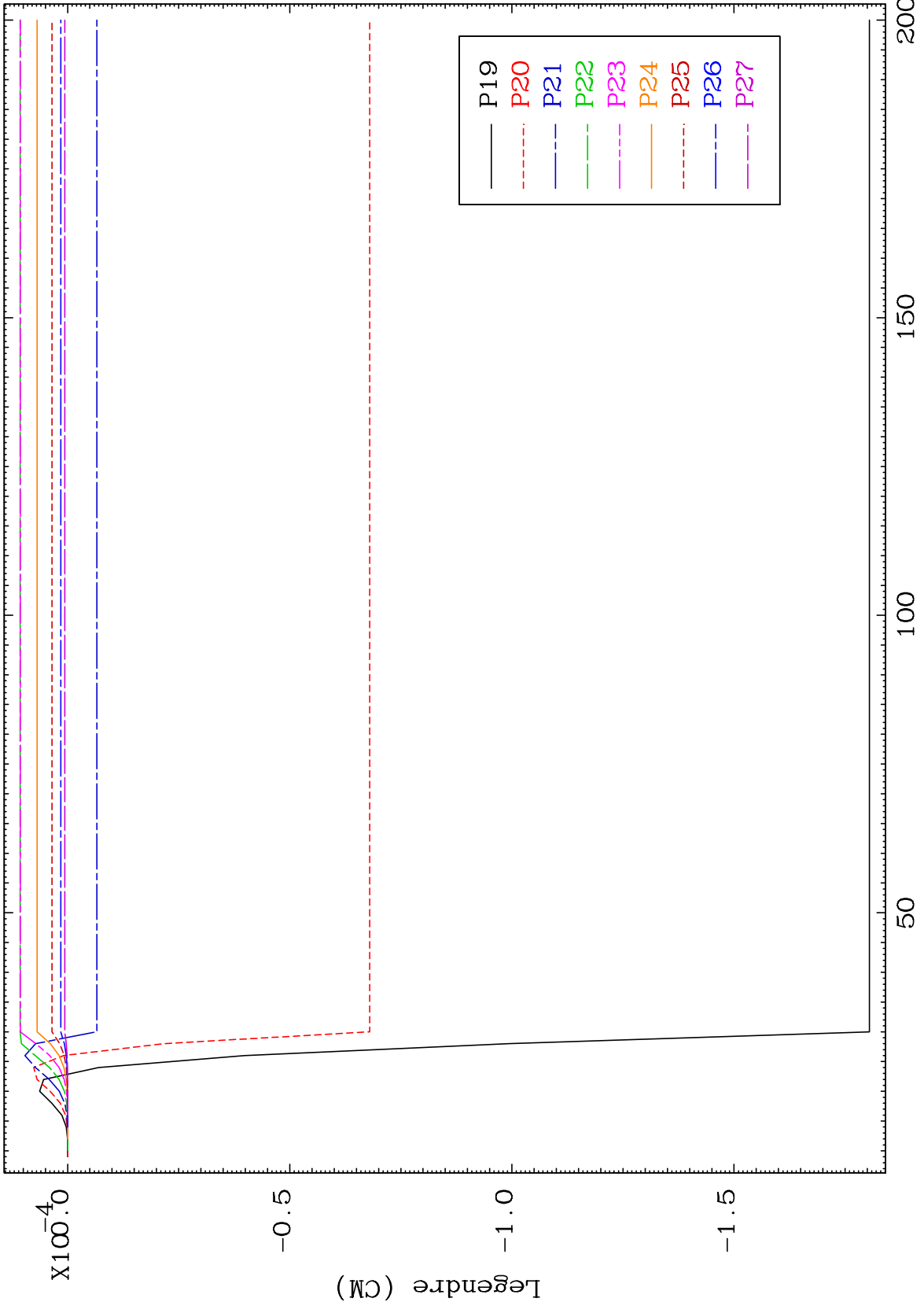
95

Incident Energy (MeV)

50-Sn-124



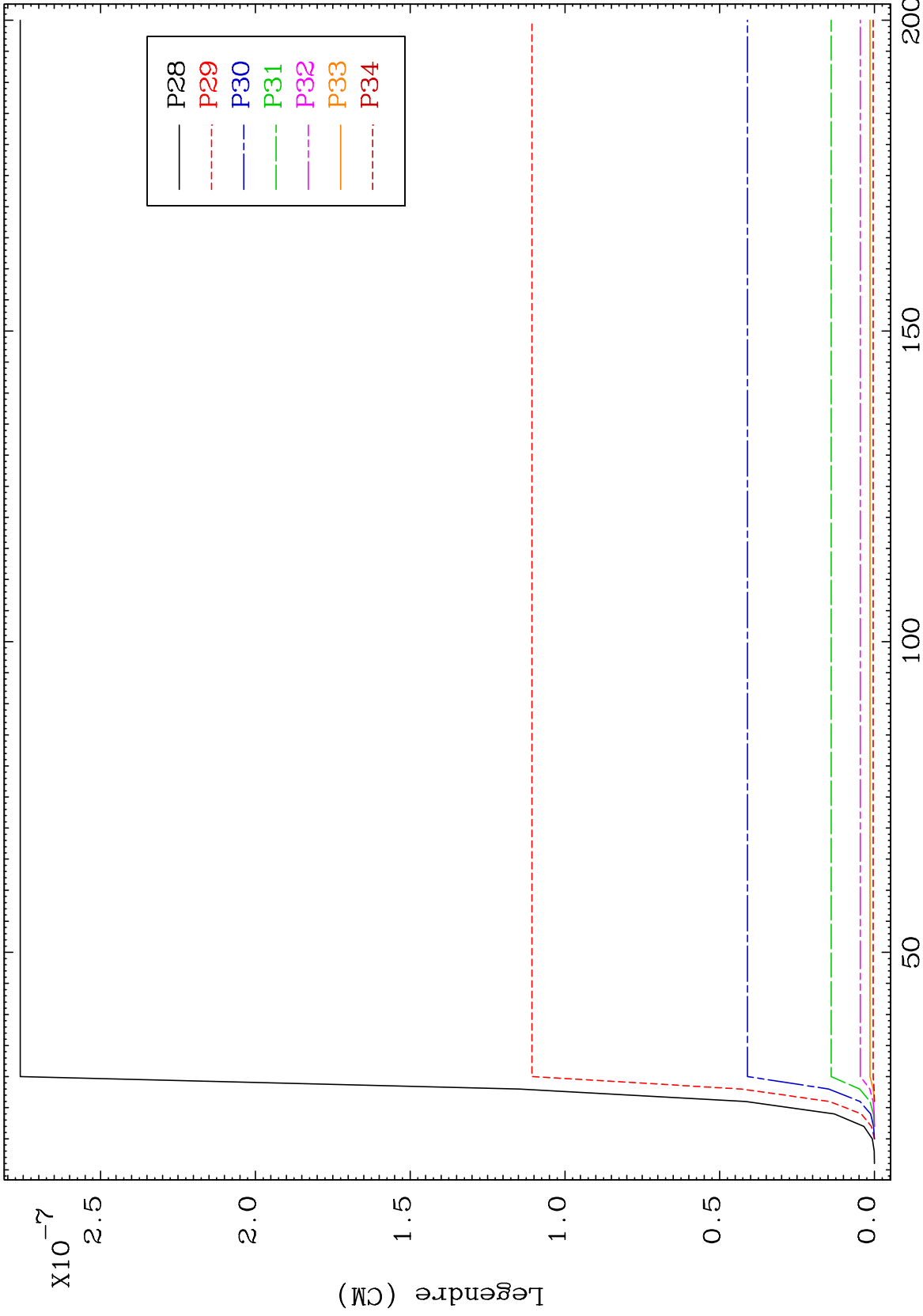
MAT 5061 MT= 72 (n,n') Level Legendre Coefficients 50-Sn-124



MAT 5061

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

50-Sn-124

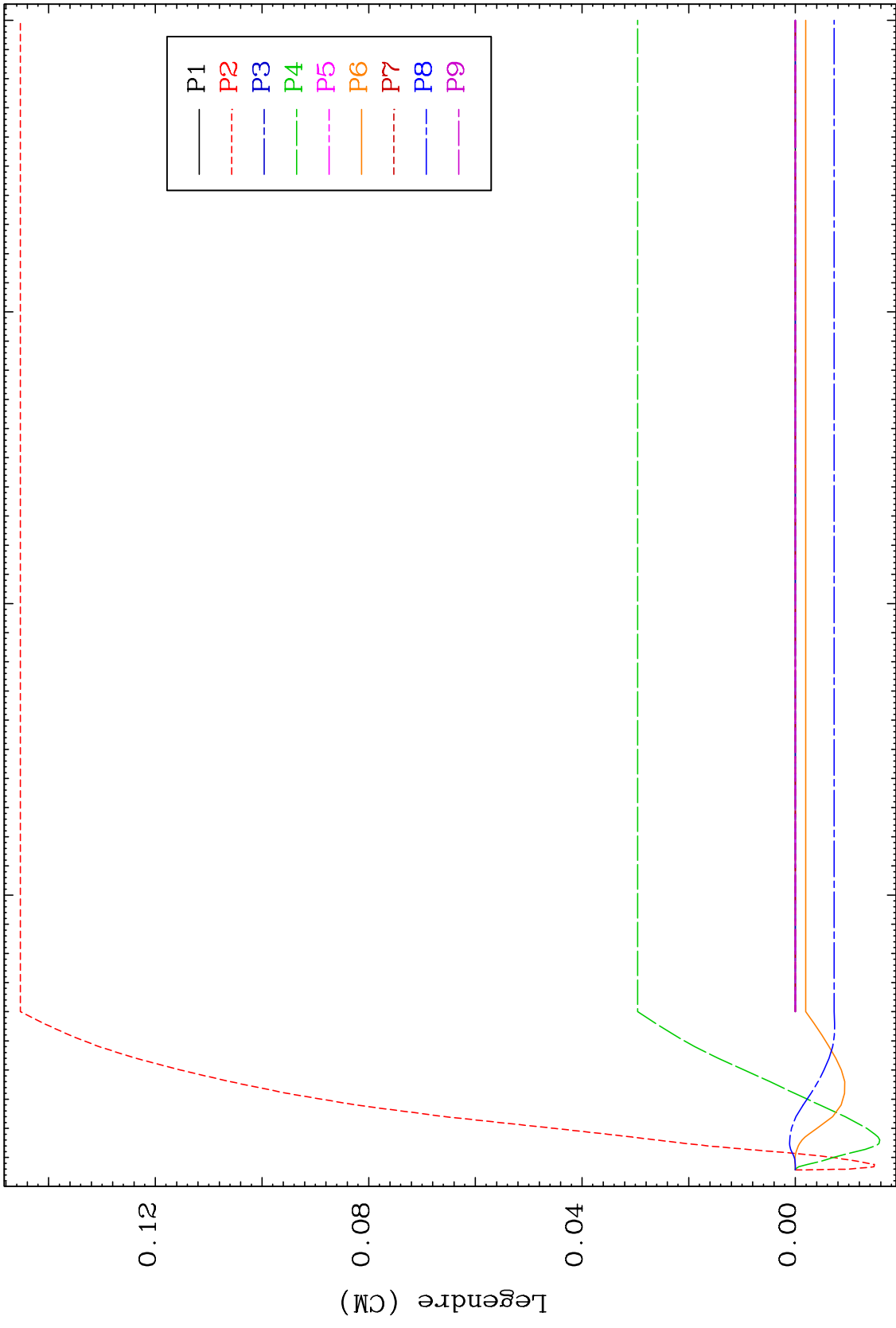


97

Incident Energy (MeV)

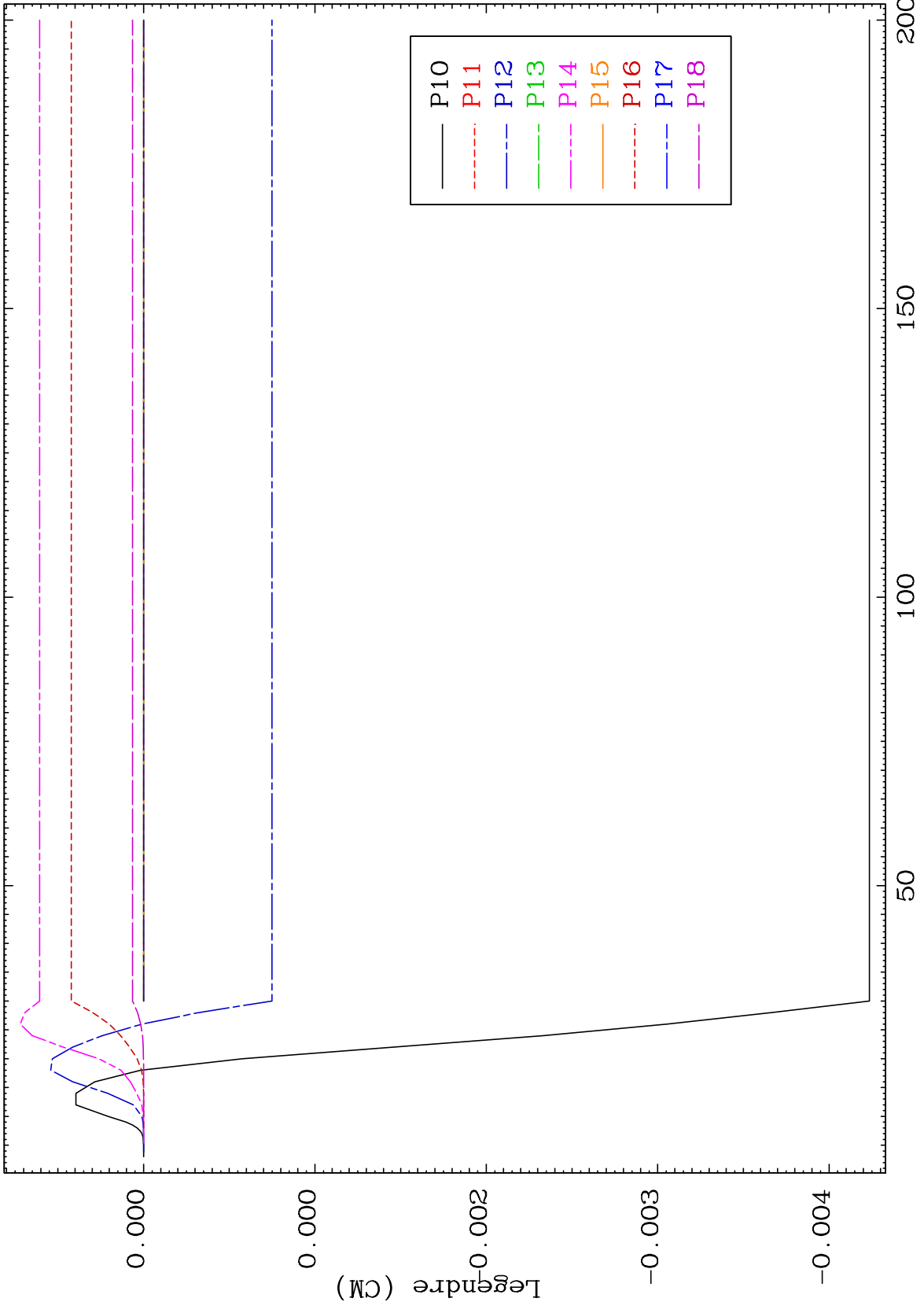
50-Sn-124

MAT 5061 MT= 73 (n,n') Level Legendre Coefficients 50-Sn-124

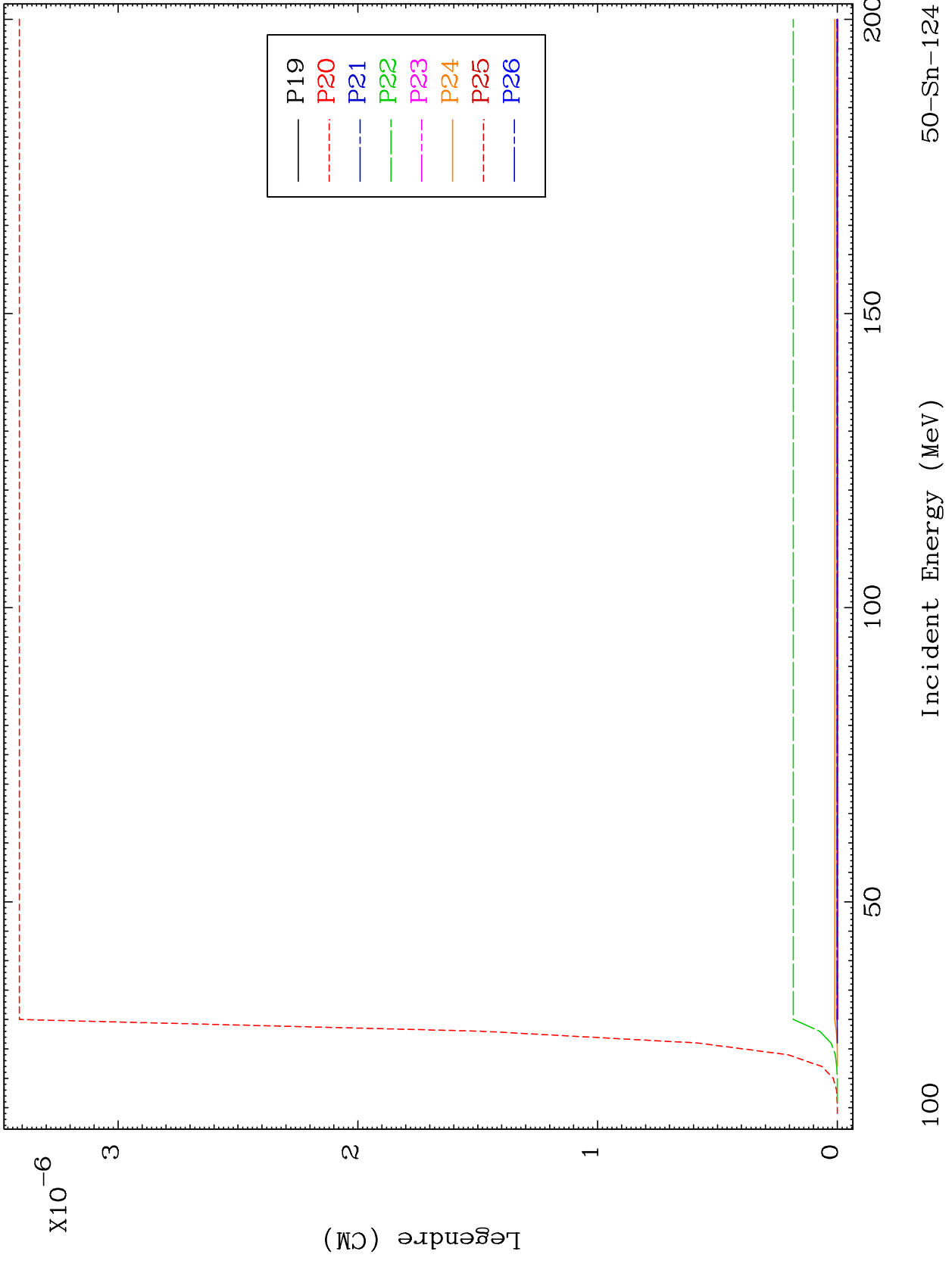


98 Incident Energy (MeV) 50-Sn-124

MAT 5061 MT= 73 (n,n') Level Legendre Coefficients 50-Sn-124



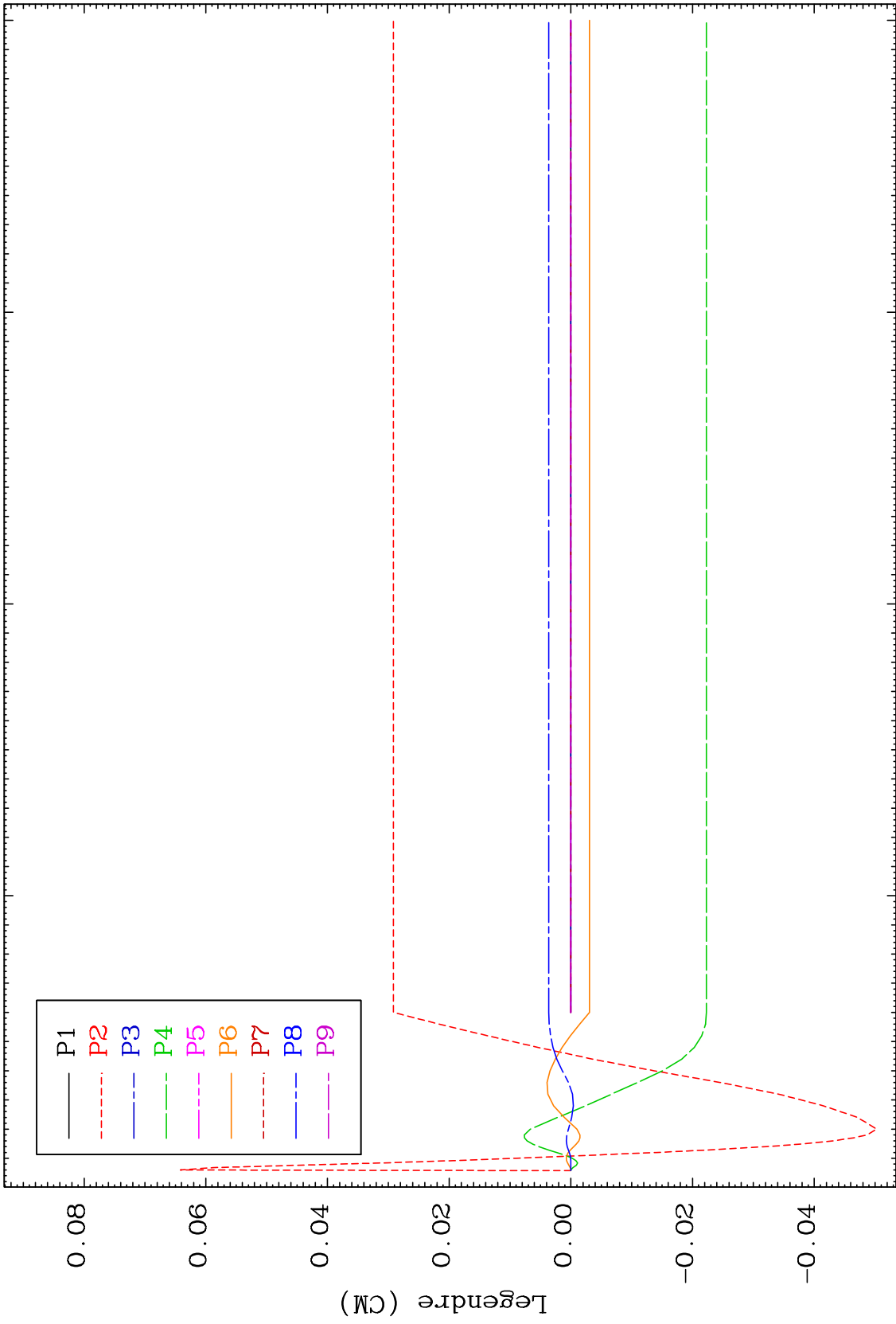
MAT 5061 MT= 73 (n,n') Level Legendre Coefficients 50-Sn-124



MAT 5061

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

50-Sn-124



101

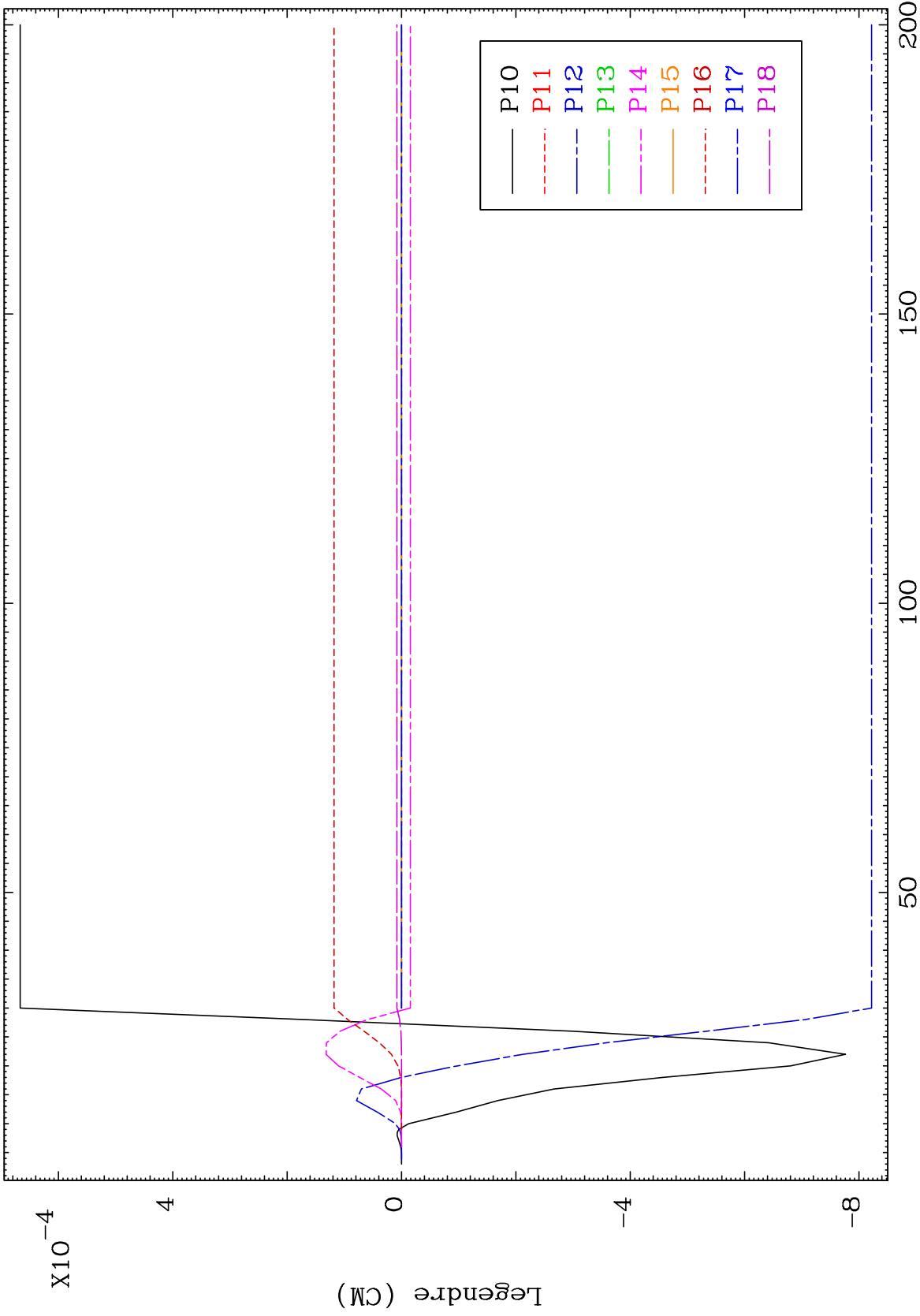
Incident Energy (MeV)

50-Sn-124

MAT 5061

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

50-Sn-124

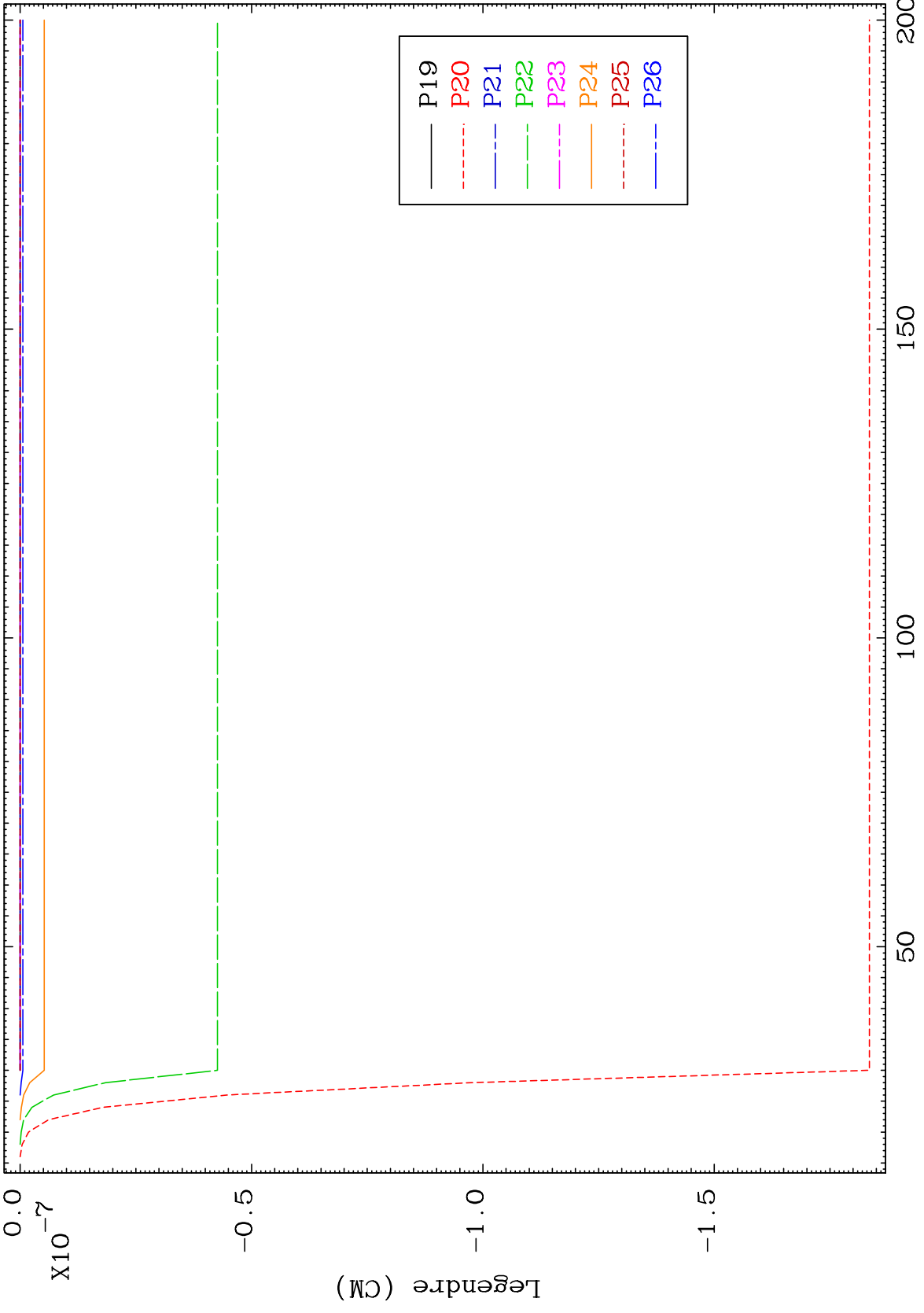


102

Incident Energy (MeV)

50-Sn-124

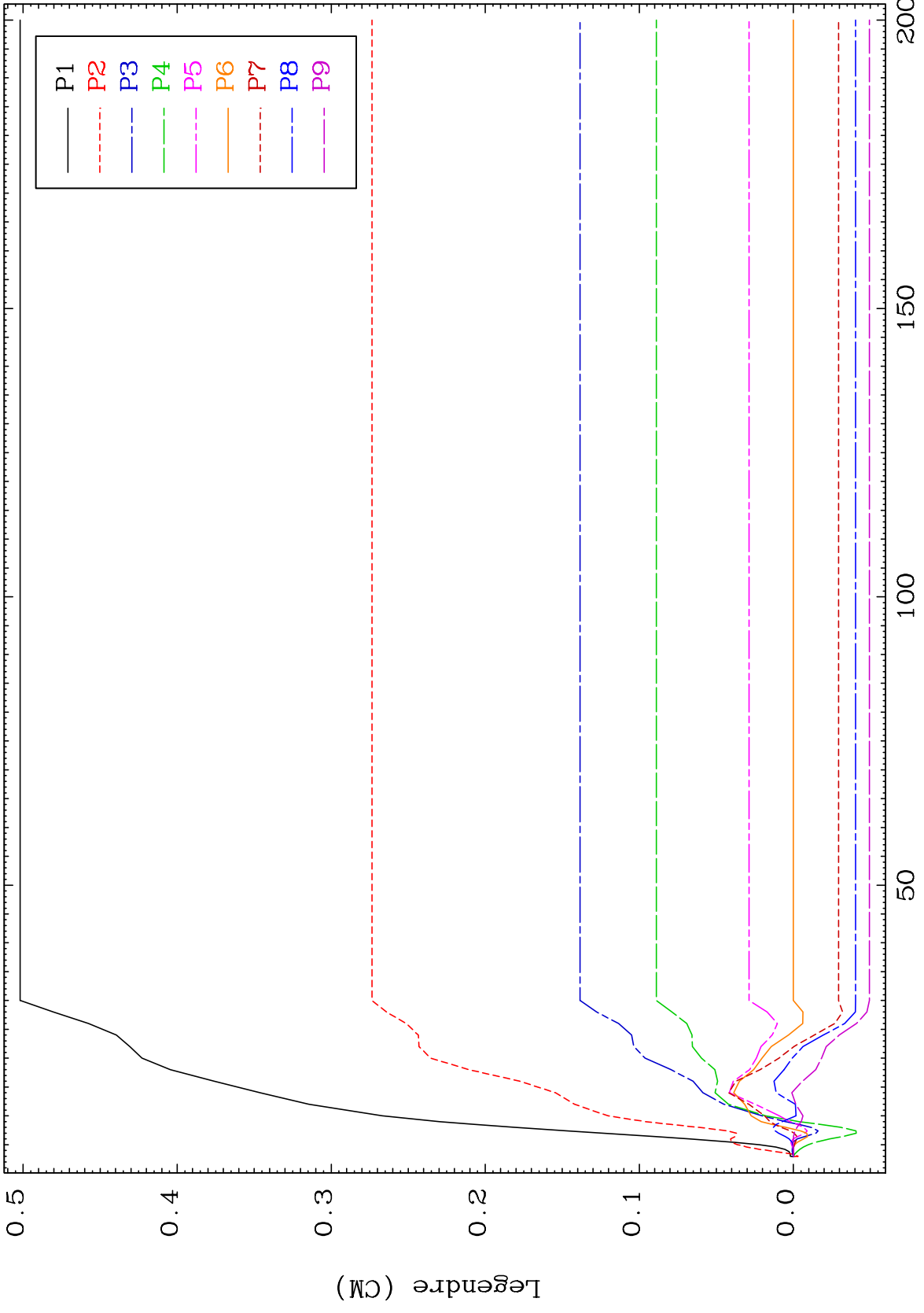
MAT 5061 MT= 74 (n,n') Level Legendre Coefficients 50-Sn-124



103 Incident Energy (MeV) 50-Sn-124

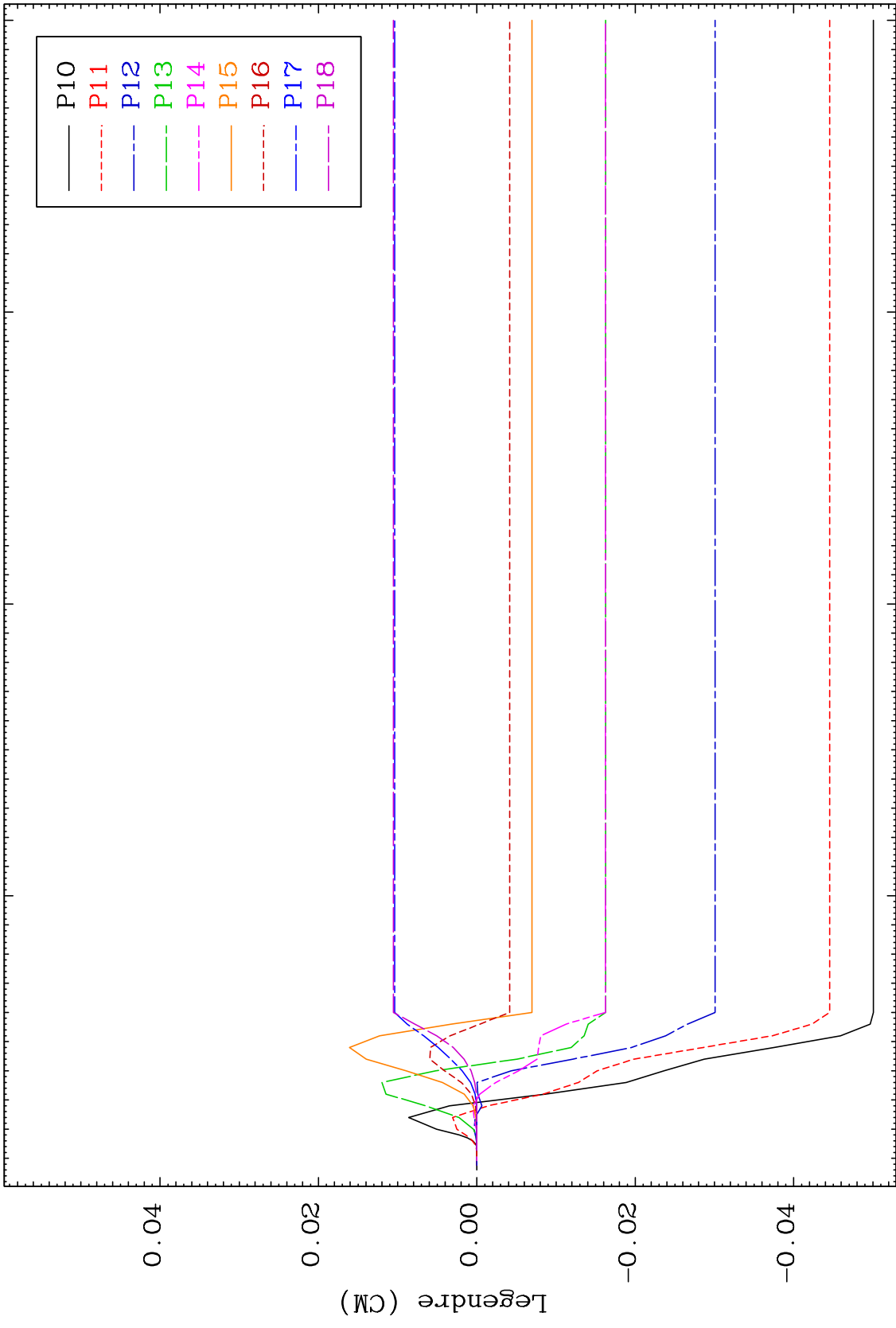


MAT 5061 MT= 75 (n,n') Level Legendre Coefficients 50-Sn-124



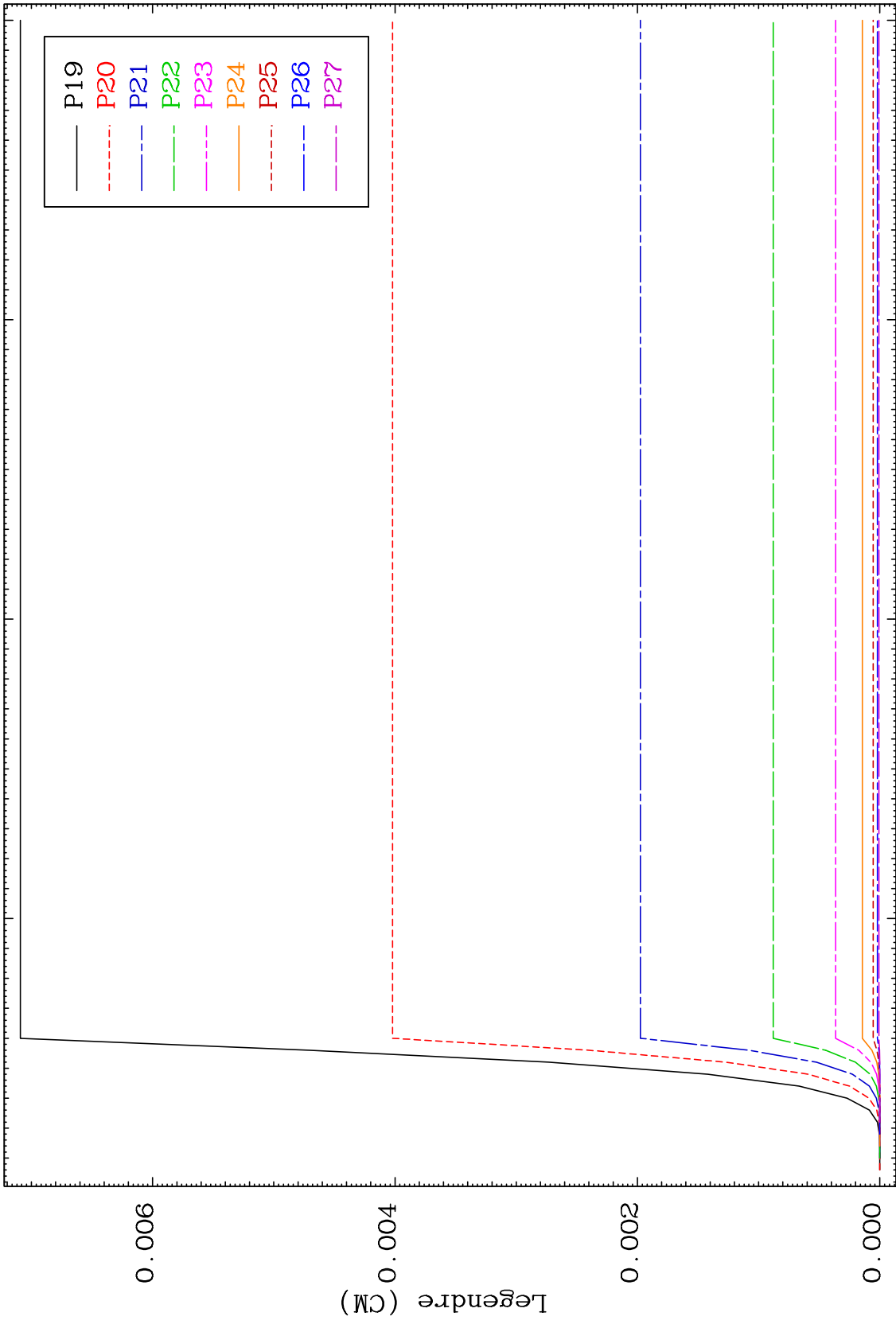
104 50-Sn-124

MAT 5061 MT= 75 (n,n') Level Legendre Coefficients 50-Sn-124



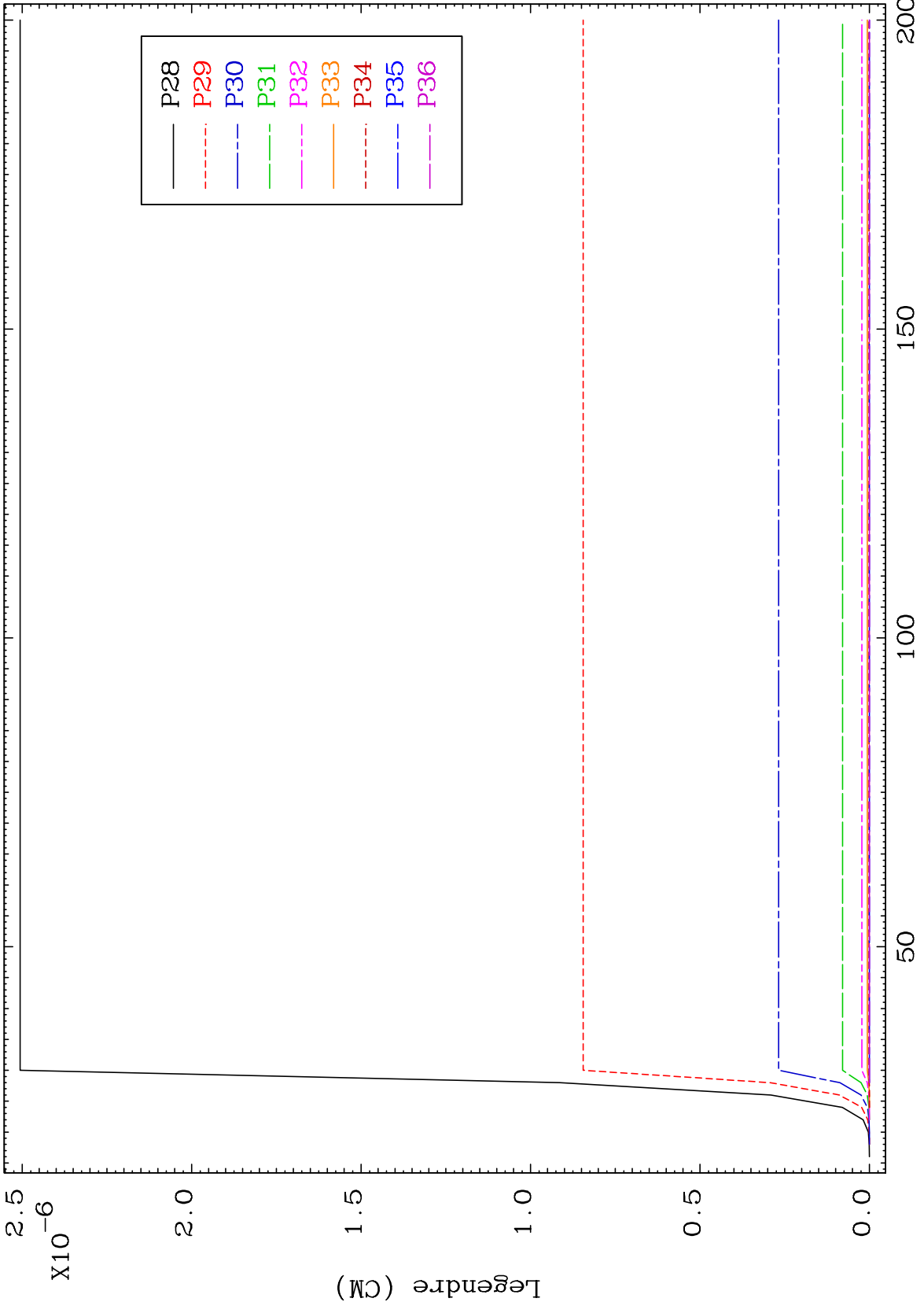
105 Incident Energy (MeV) 50-Sn-124

MAT 5061 MT= 75 (n,n') Level Legendre Coefficients 50-Sn-124



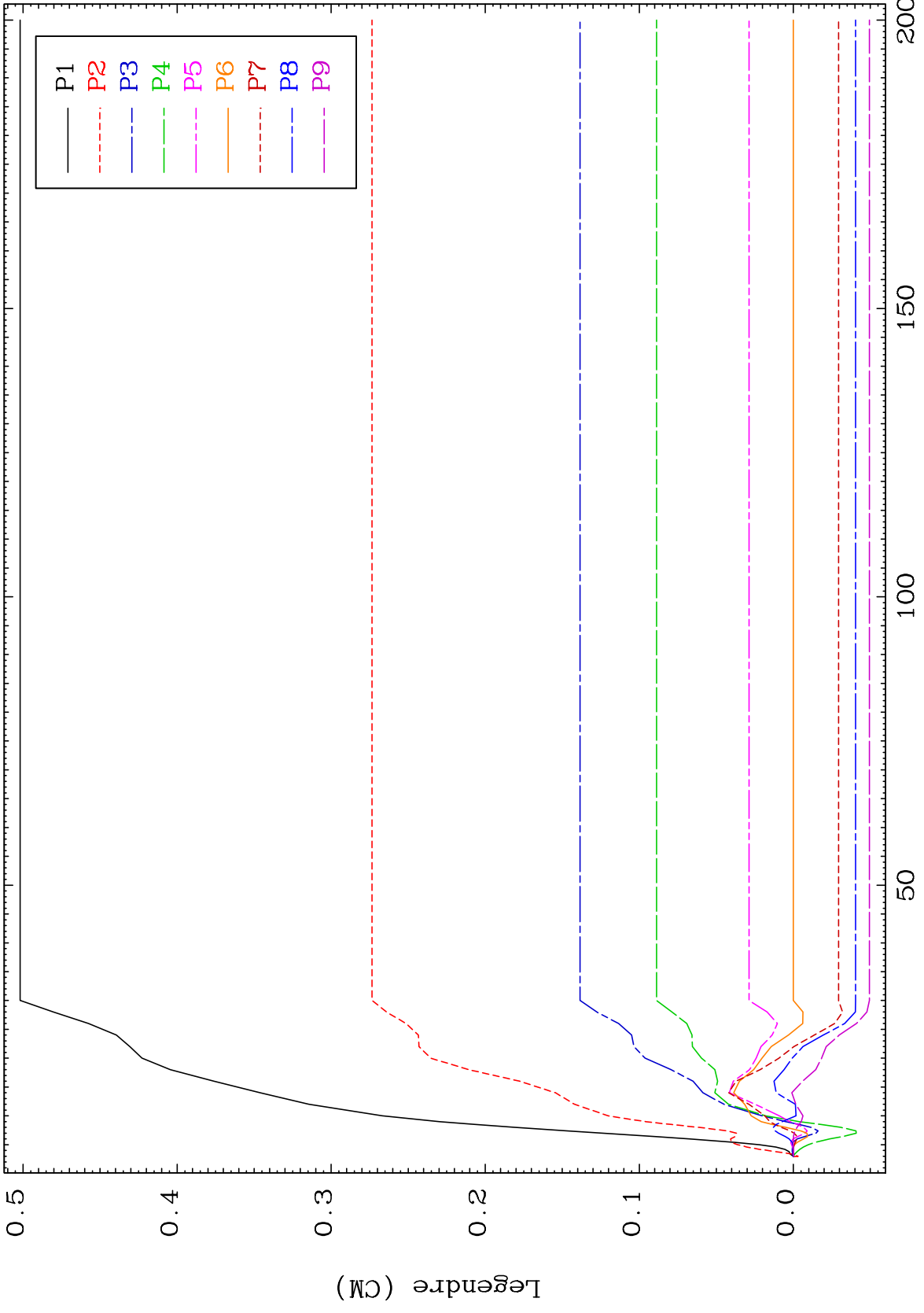
106 Incident Energy (MeV) 50-Sn-124

MAT 5061 MT= 75 (n,n') Level Legendre Coefficients 50-Sn-124



107 50-Sn-124

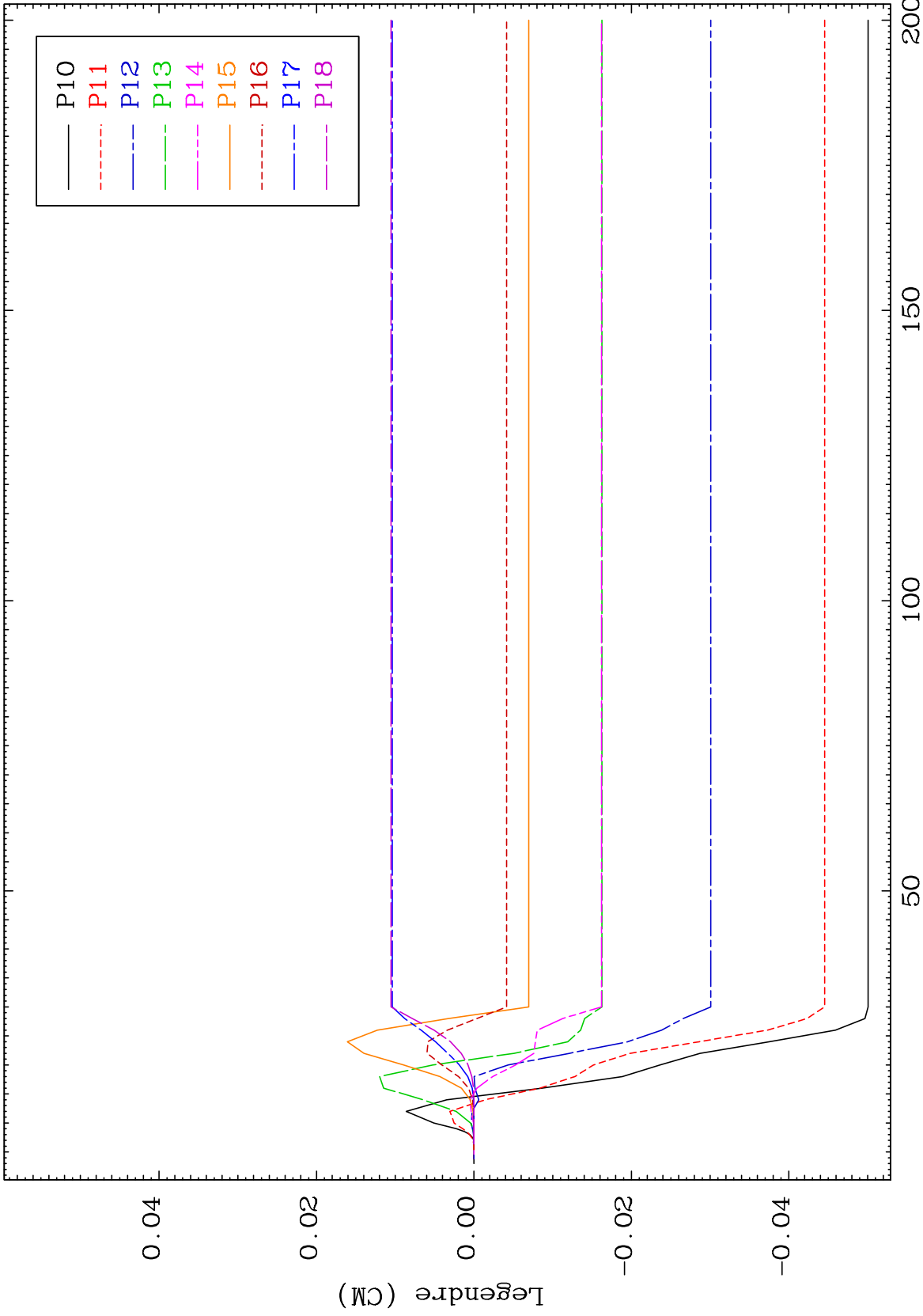
MAT 5061 MT= 76 (n,n') Level Legendre Coefficients 50-Sn-124



MAT 5061

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

50-Sn-124

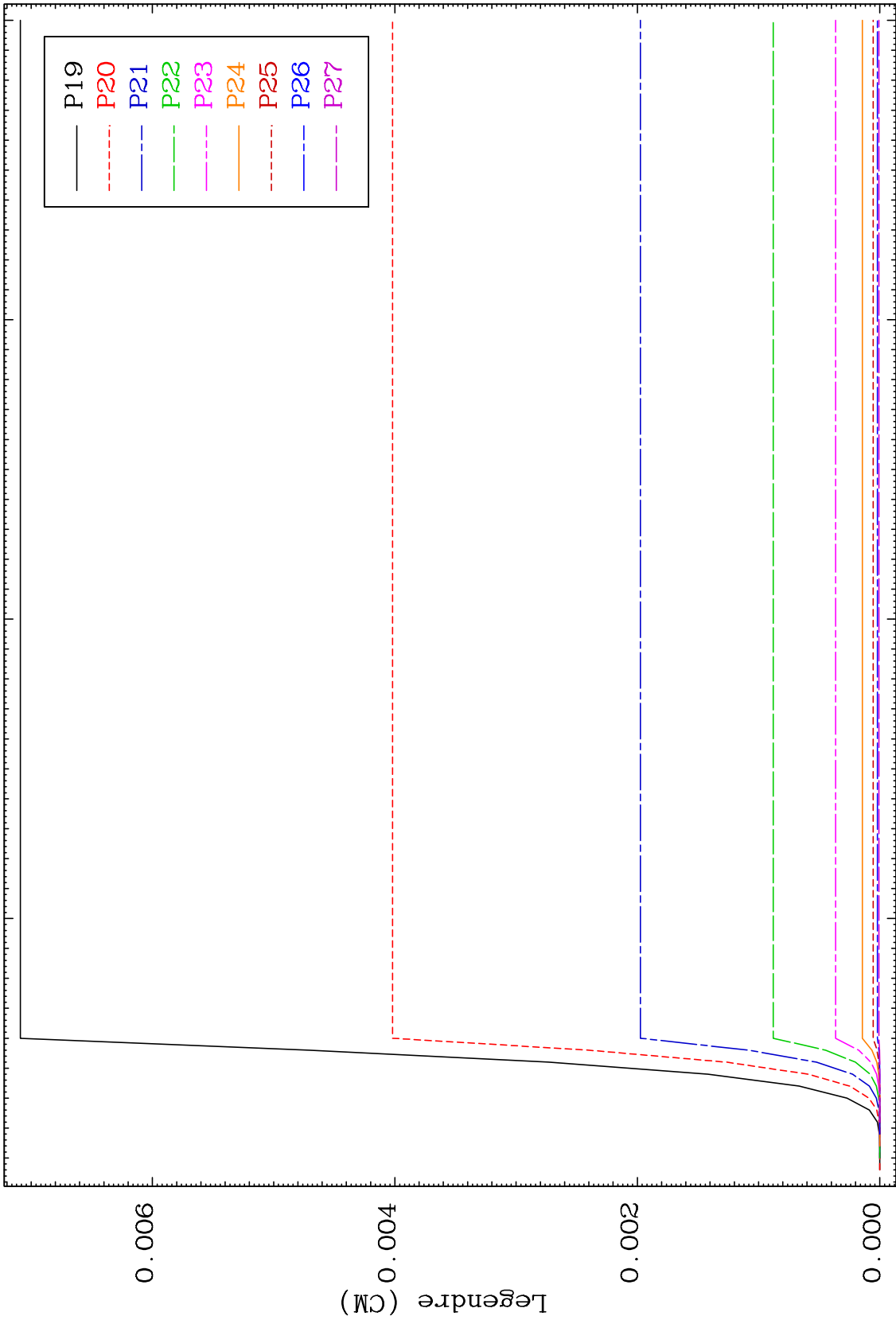


109

Incident Energy (MeV)

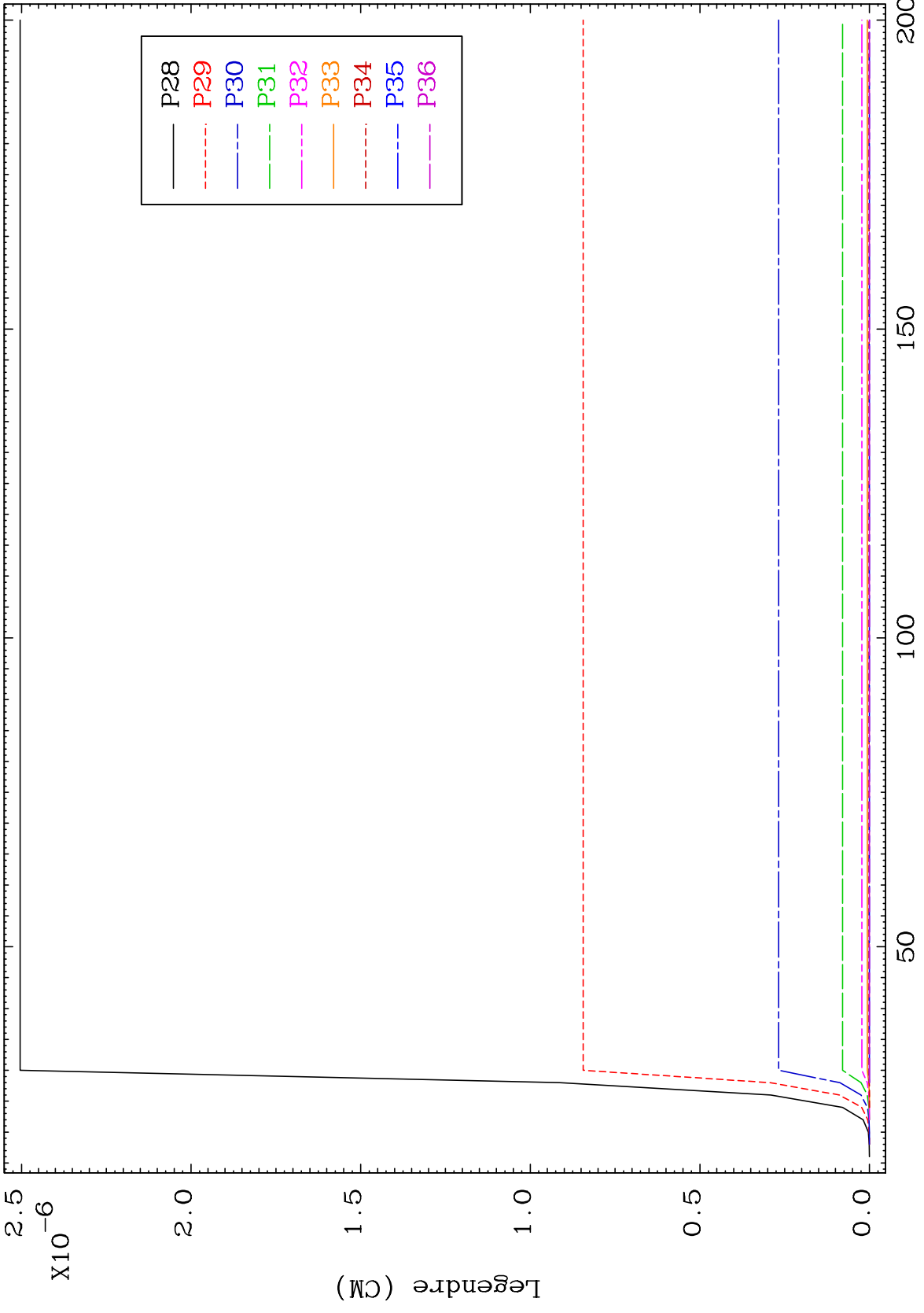
50-Sn-124

MAT 5061 MT= 76 (n,n') Level Legendre Coefficients 50-Sn-124



110 Incident Energy (MeV) 50-Sn-124

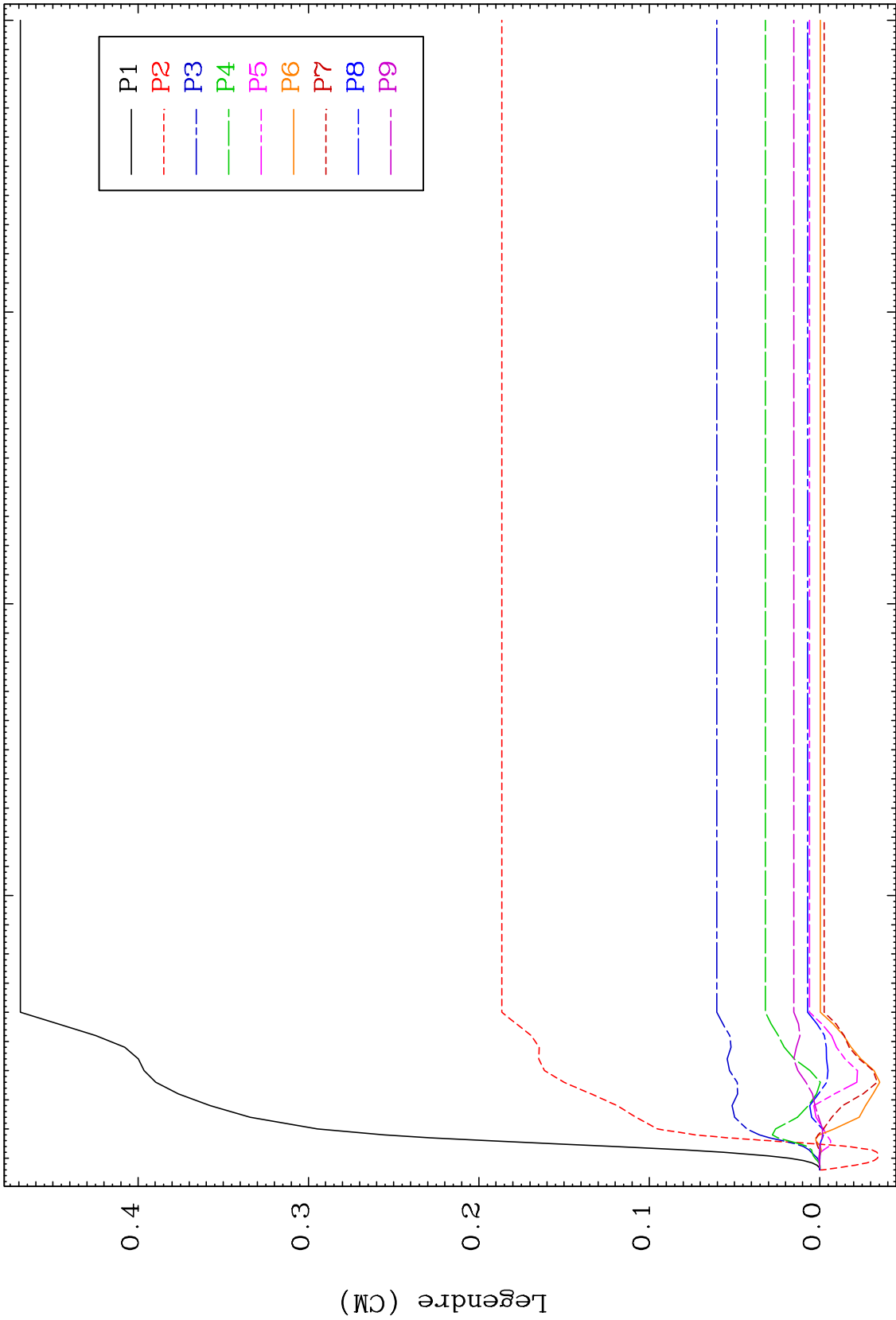
MAT 5061 MT= 76 (n,n') Level Legendre Coefficients 50-Sn-124



111 50-Sn-124



MAT 5061 MT= 77 (n,n') Level Legendre Coefficients 50-Sn-124

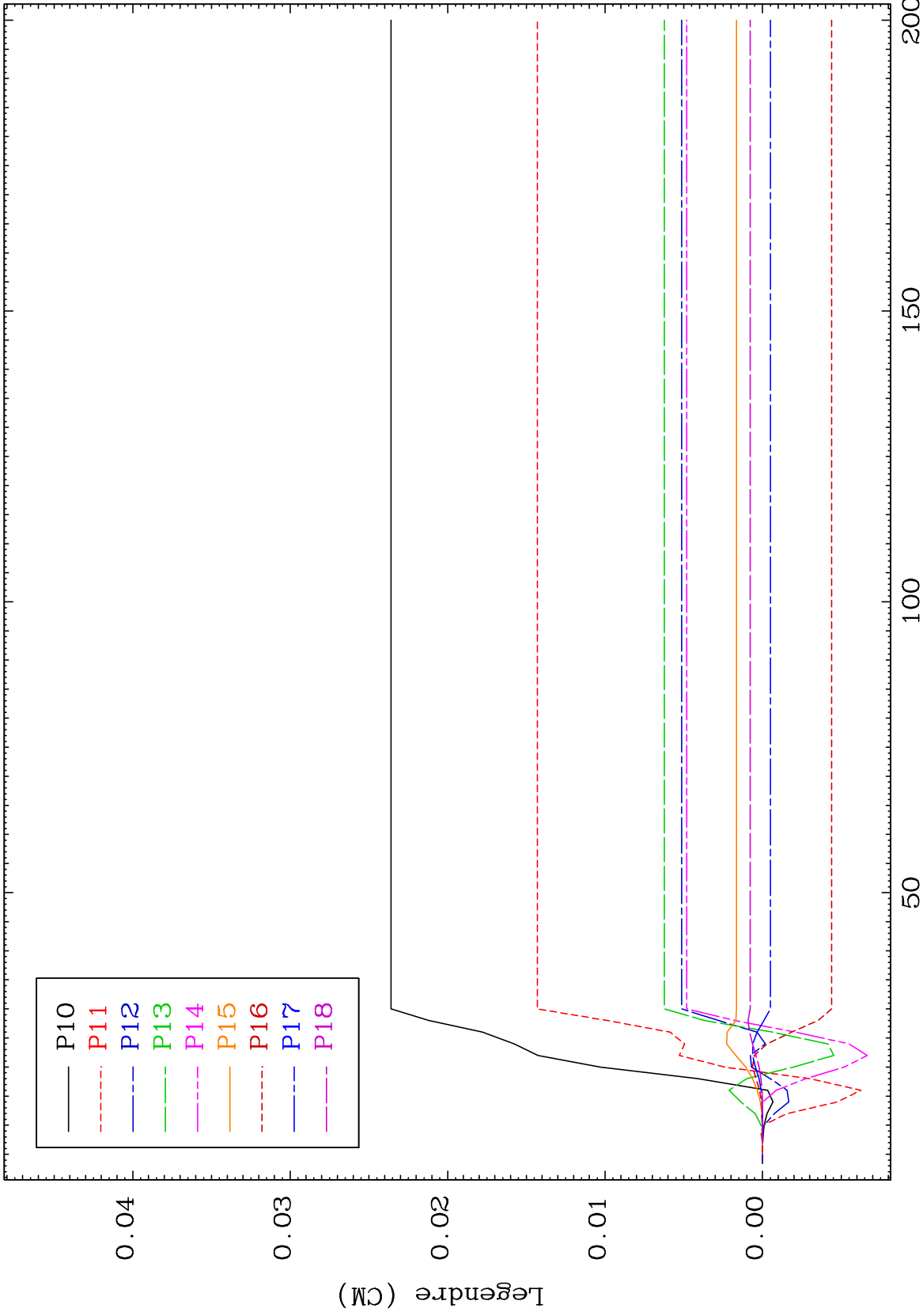


Legendre (CM) Incident Energy (MeV) 50-Sn-124

MAT 5061

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

50-Sn-124



113

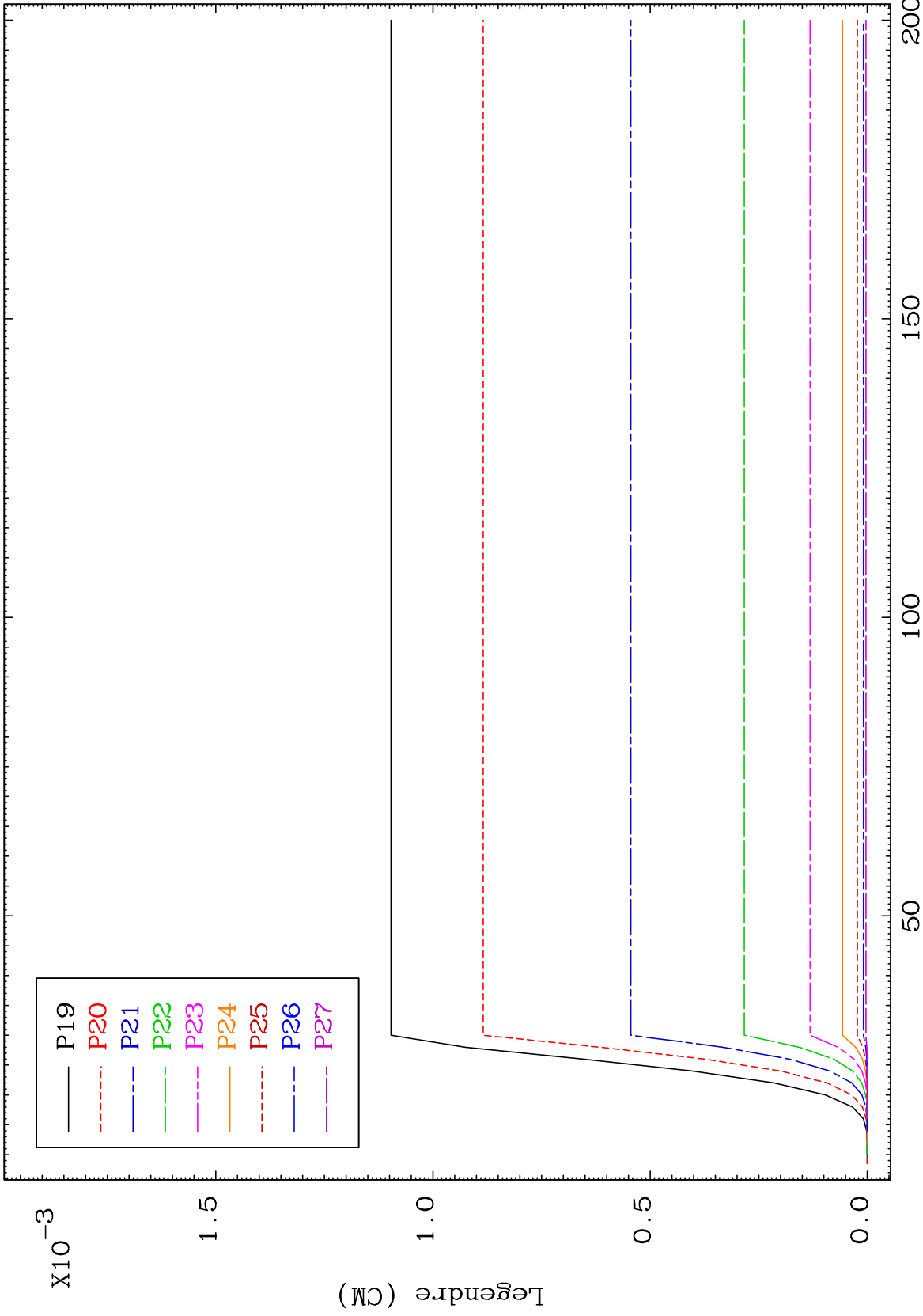
Incident Energy (MeV)

50-Sn-124

MAT 5061

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

50-Sn-124



114

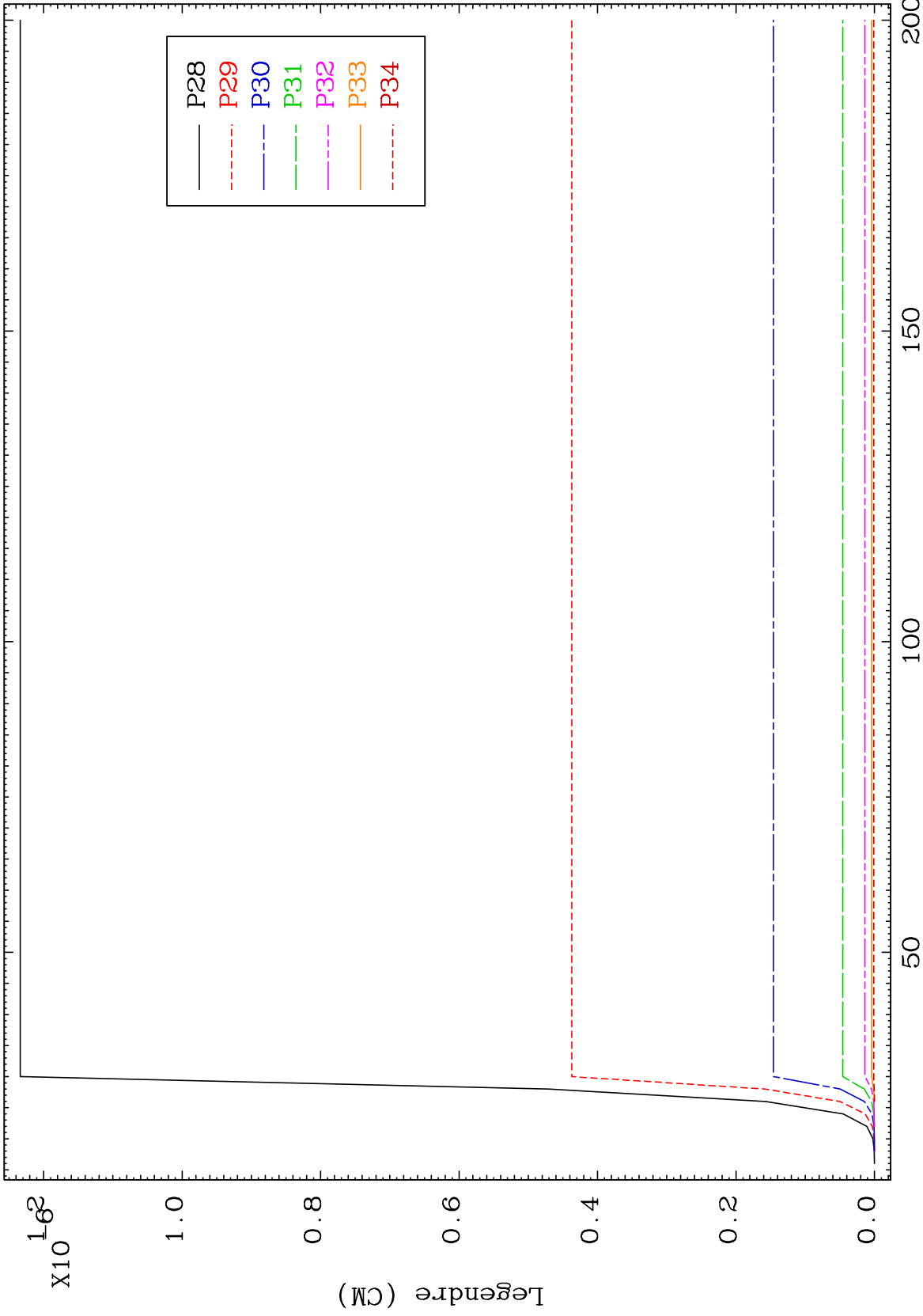
Incident Energy (MeV)

50-Sn-124

MAT 5061

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

50-Sn-124



115

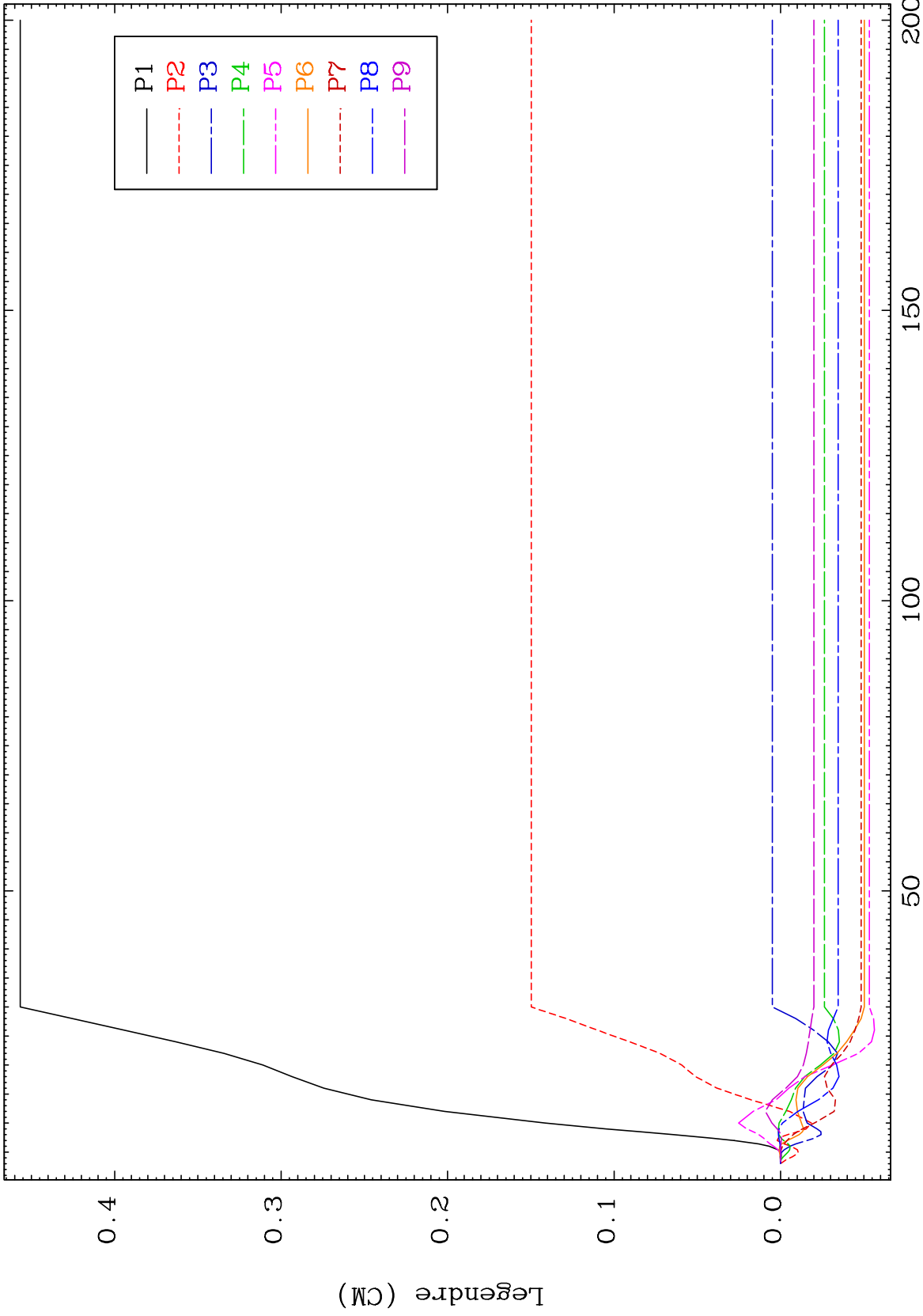
Incident Energy (MeV)

50-Sn-124

MAT 5061

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

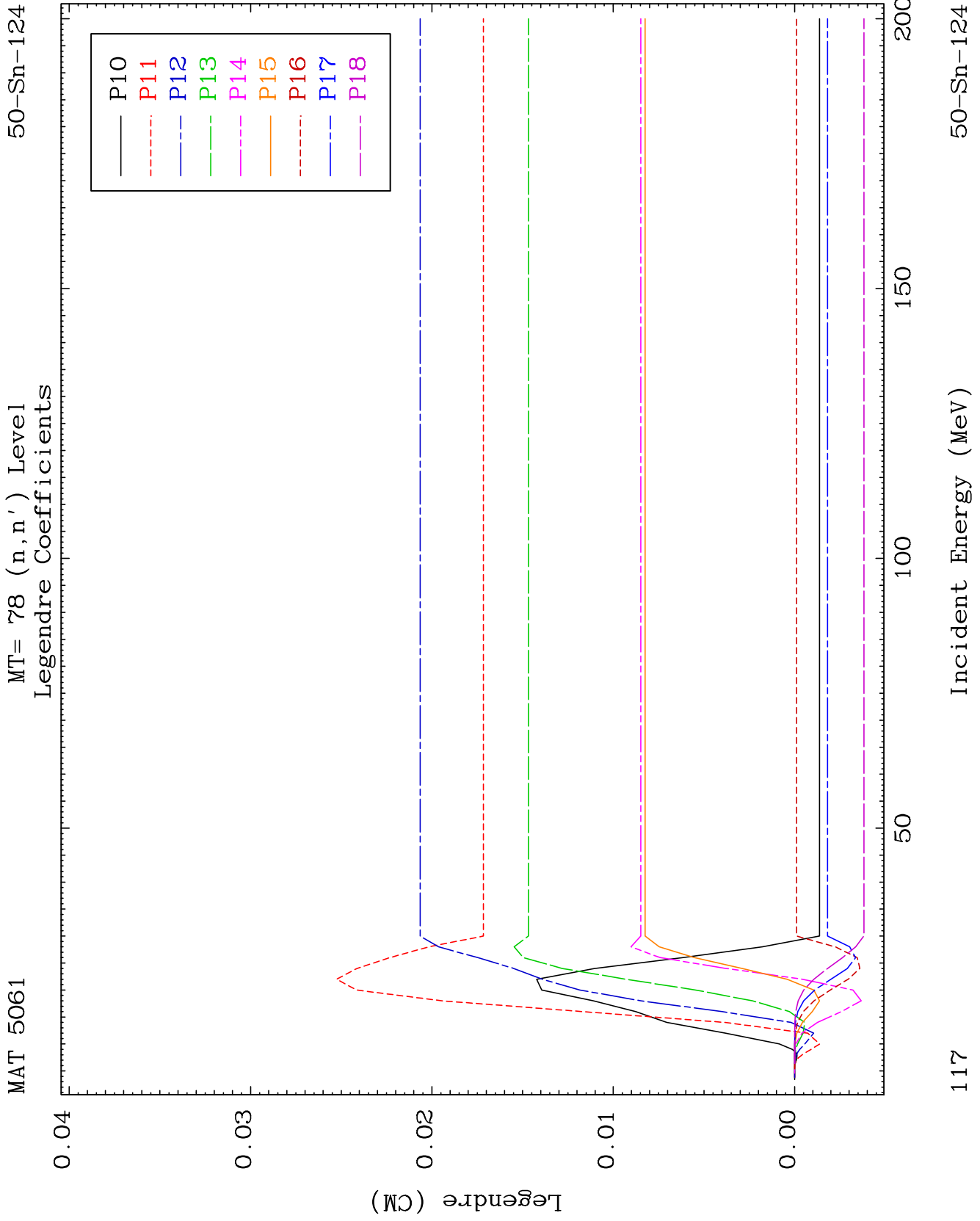
50-Sn-124



116

Incident Energy (MeV)

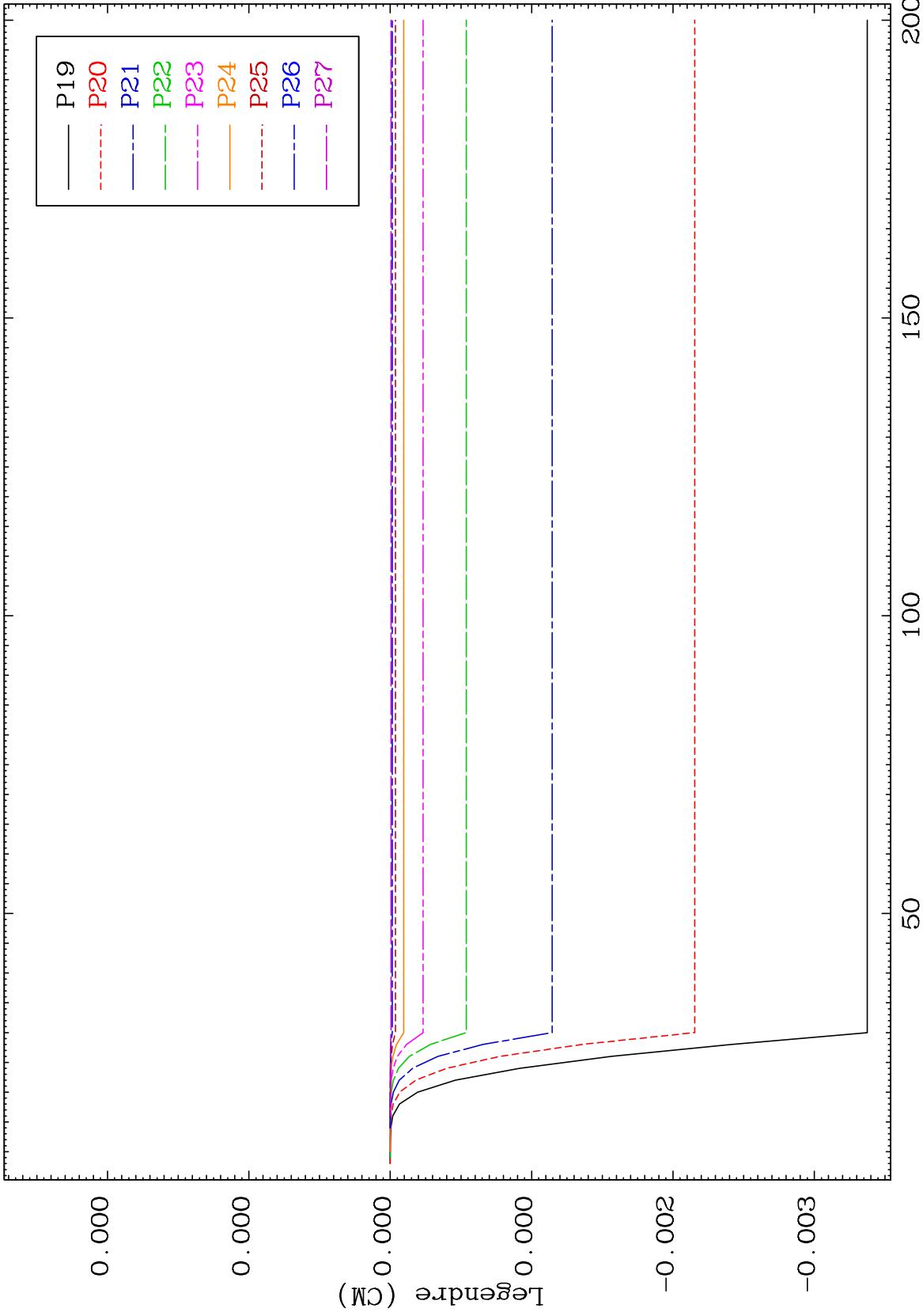
50-Sn-124



MAT 5061

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

50-Sn-124



118

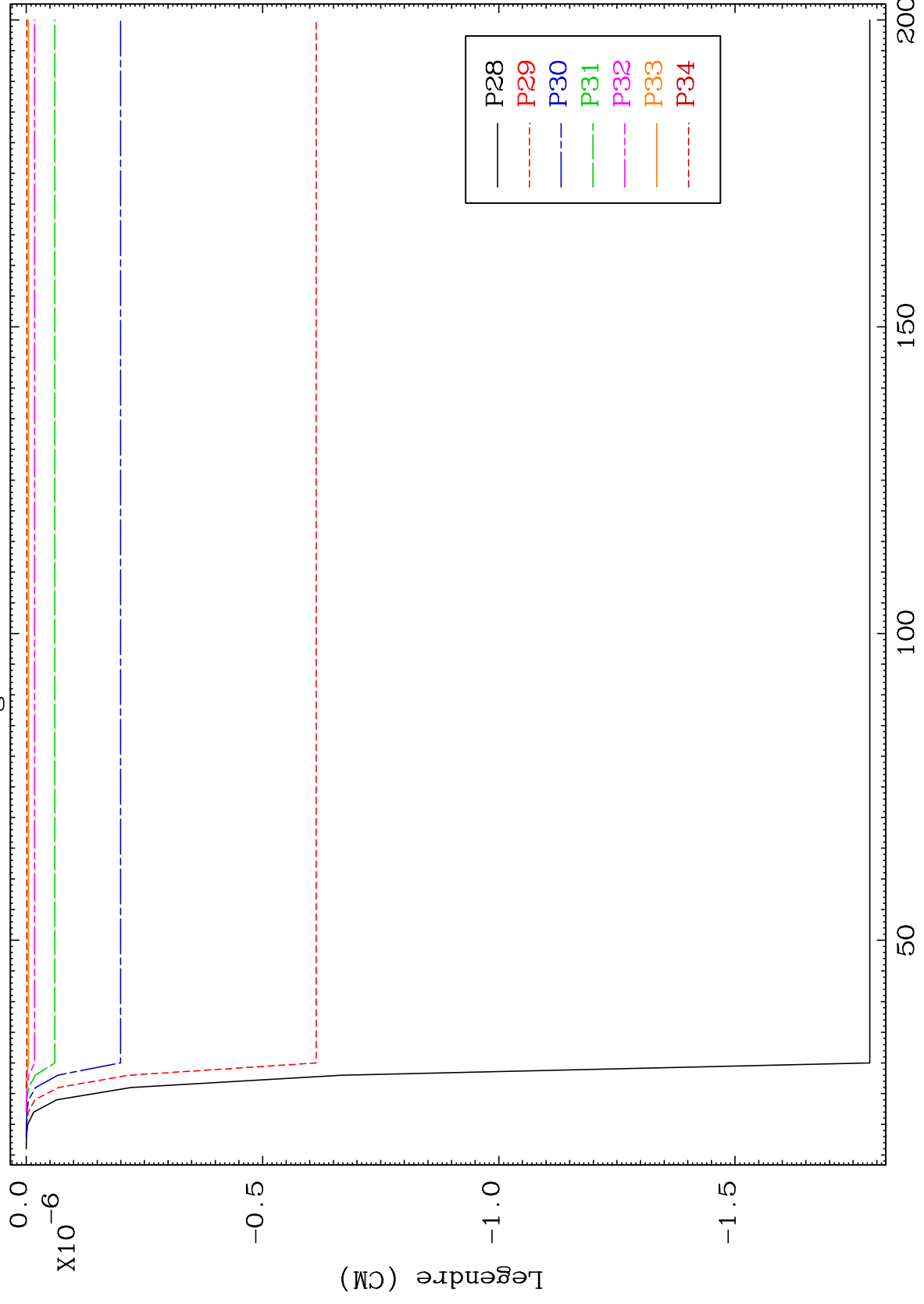
Incident Energy (MeV)

50-Sn-124

MAT 5061 MT= 78 (n,n') Level

Legendre Coefficients

50-Sn-124



50-Sn-124

Incident Energy (MeV)

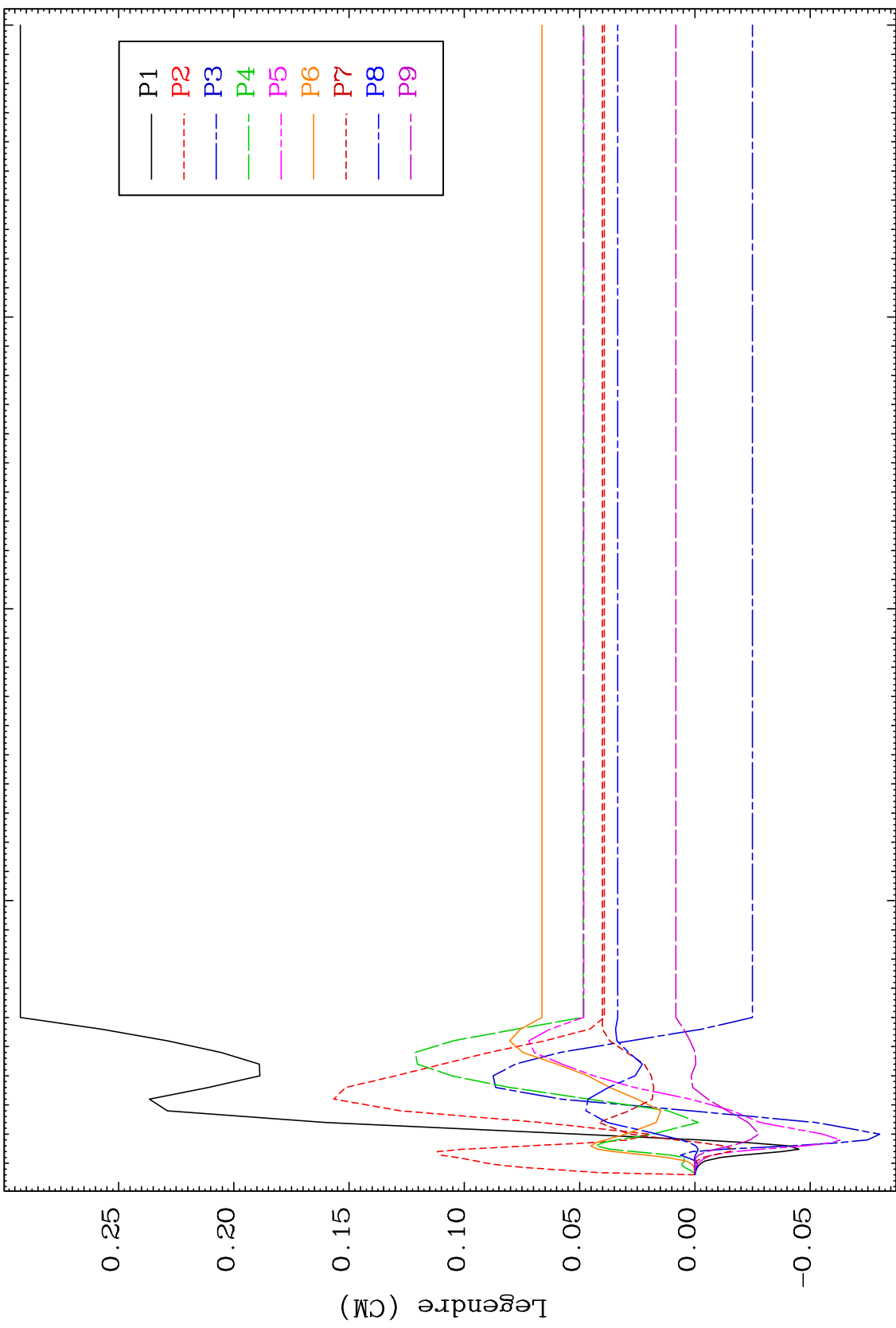
119



MAT 5061

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

50-Sn-124



50-Sn-124

Incident Energy (MeV)

120

200

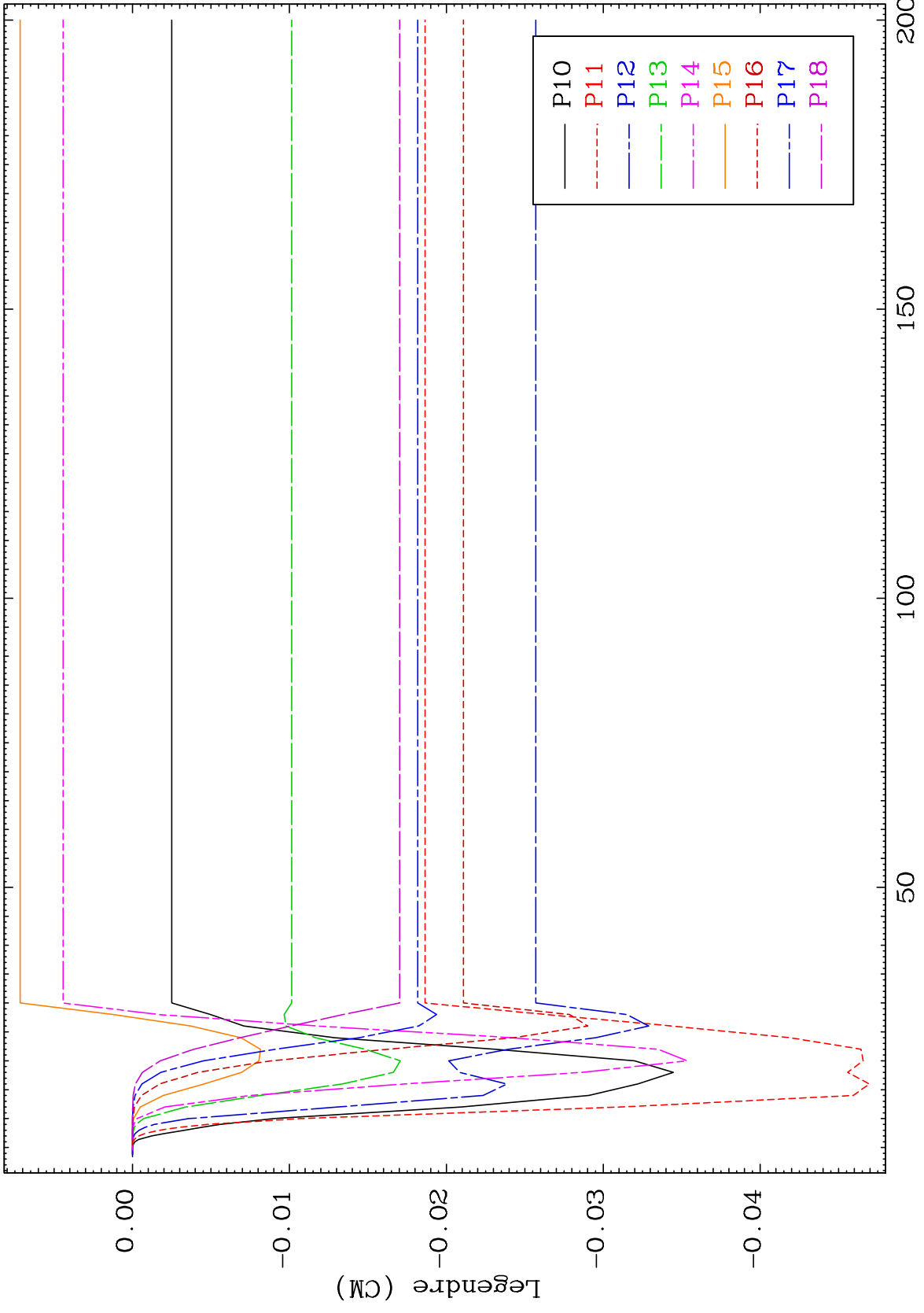
150

100

50

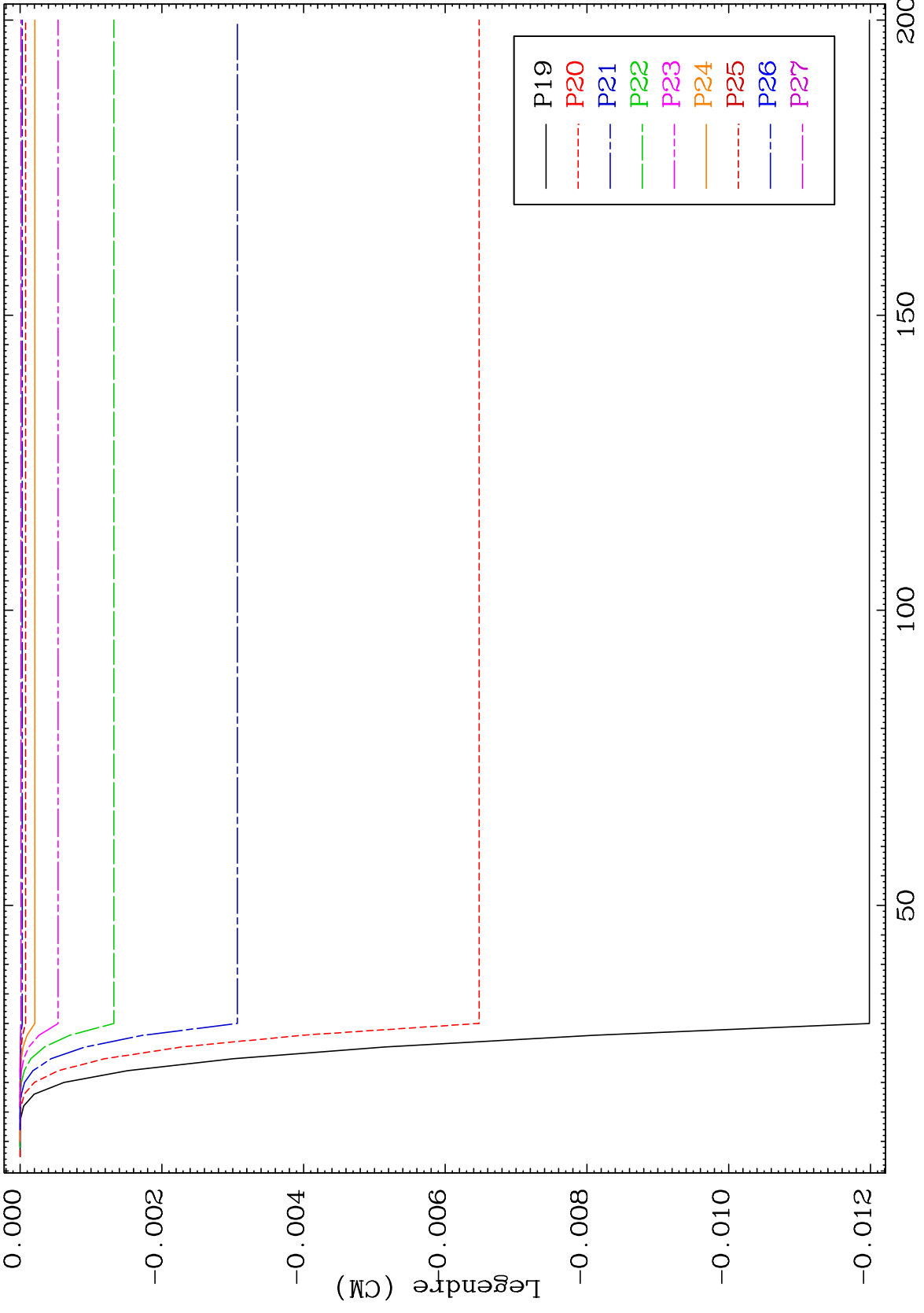
P1  
P2  
P3  
P4  
P5  
P6  
P7  
P8  
P9

MAT 5061 MT= 79 (n,n') Level Legendre Coefficients 50-Sn-124



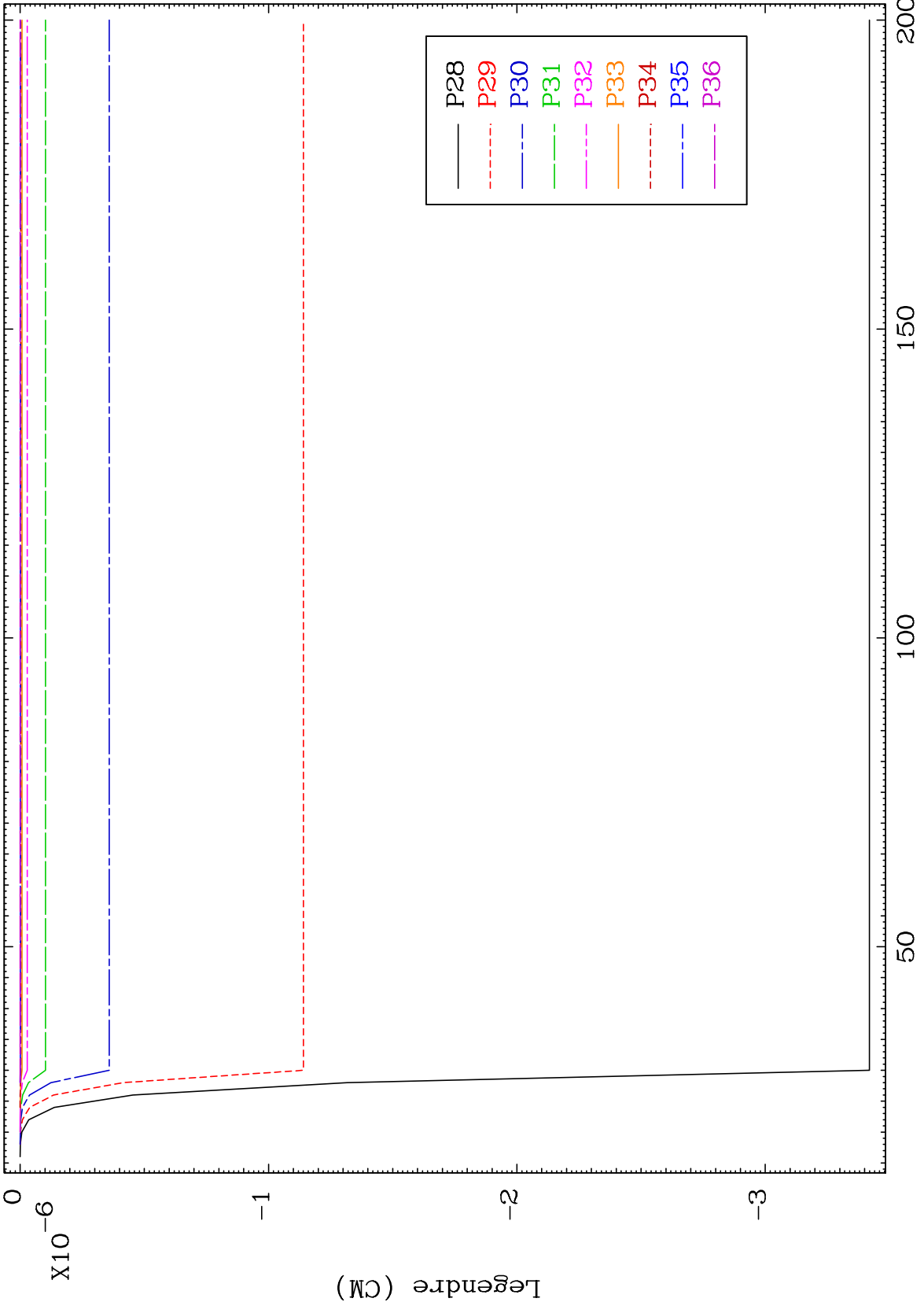
121 Incident Energy (MeV) 50-Sn-124

MAT 5061 MT= 79 (n,n') Level Legendre Coefficients 50-Sn-124



122 Incident Energy (MeV) 50-Sn-124

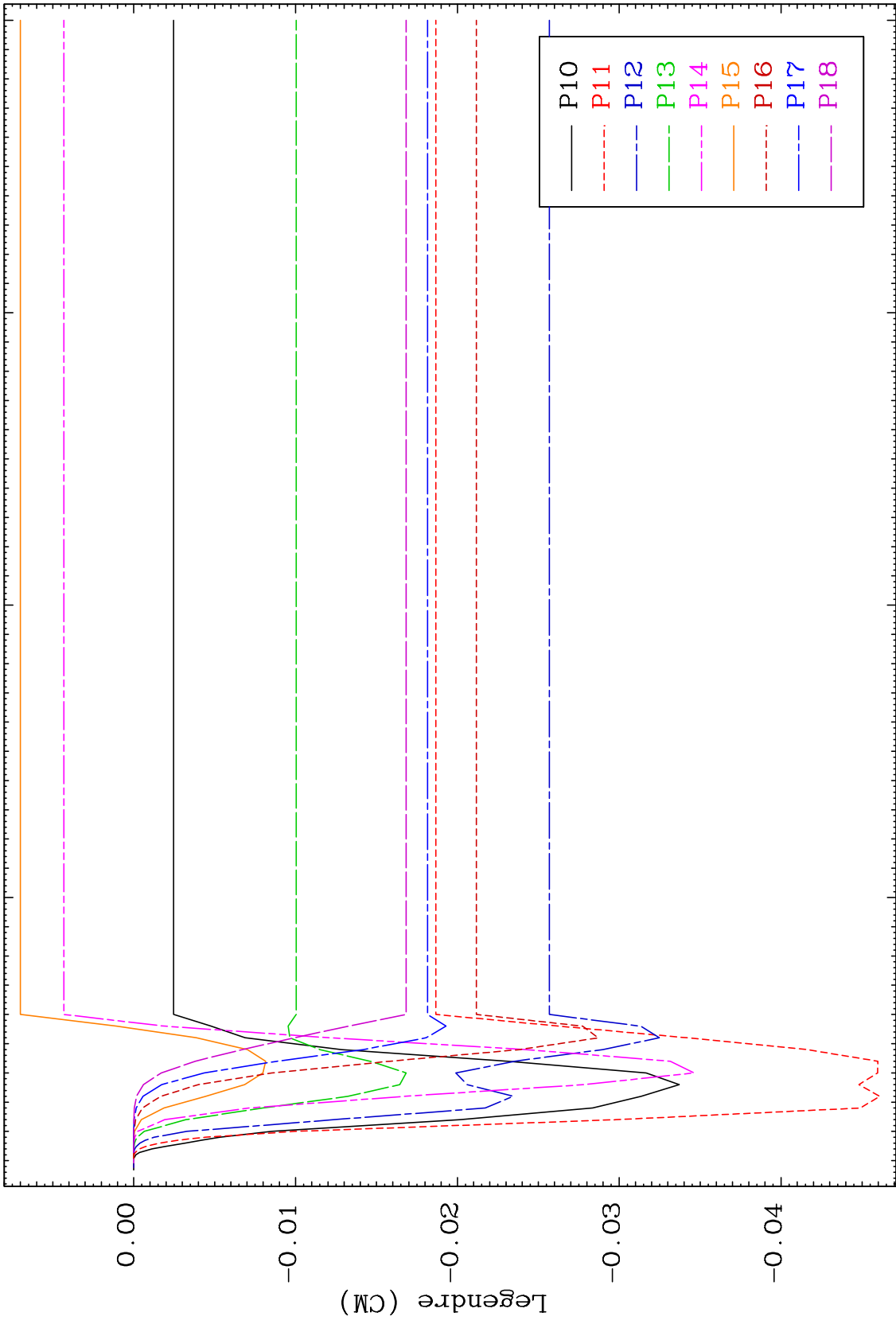
MAT 5061 MT= 79 (n,n') Level Legendre Coefficients 50-Sn-124



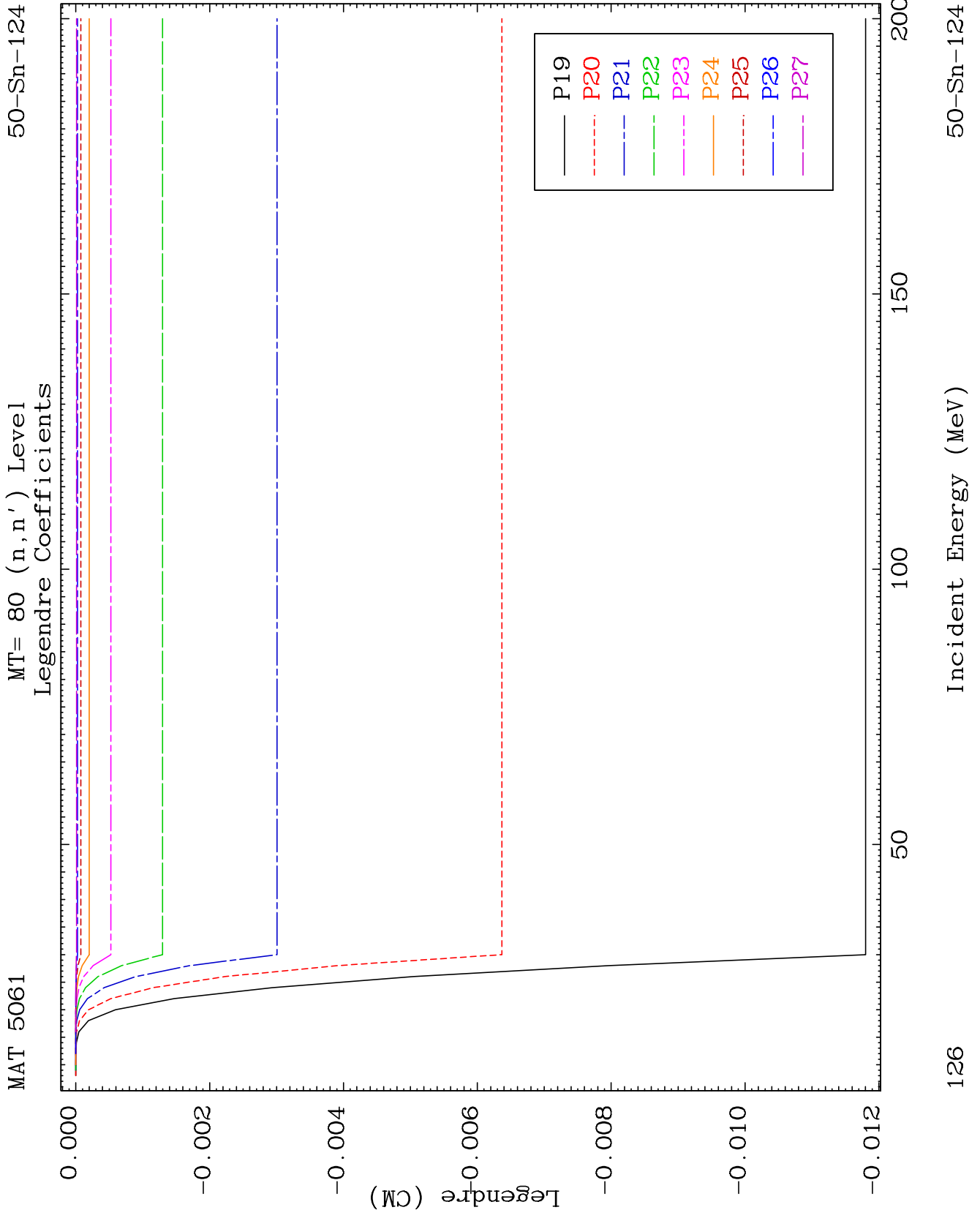
123 50-Sn-124



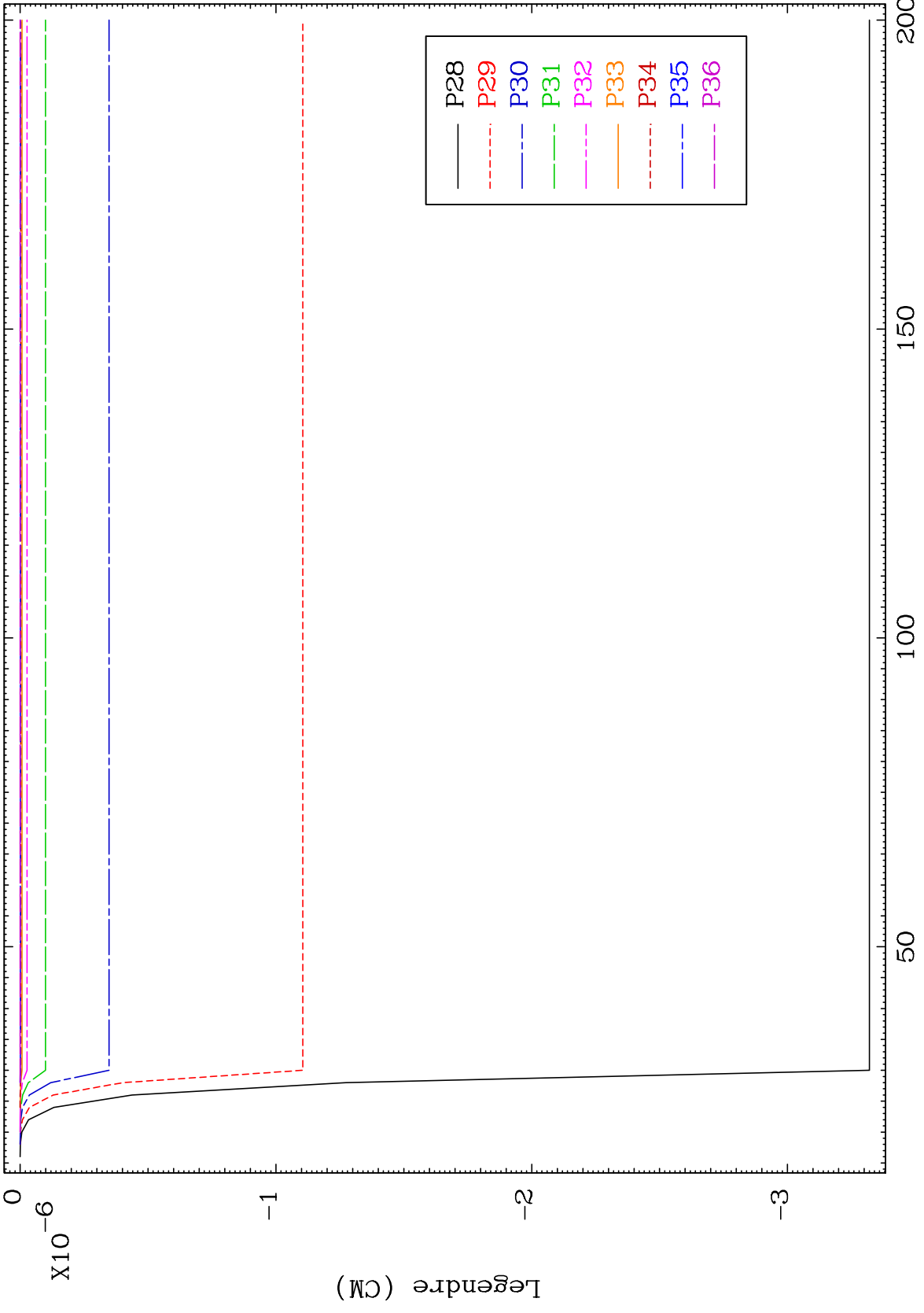
MAT 5061 MT= 80 (n,n') Level Legendre Coefficients 50-Sn-124



125 Incident Energy (MeV) 50-Sn-124



MAT 5061 MT= 80 (n,n') Level Legendre Coefficients 50-Sn-124



127 Incident Energy (MeV) 50-Sn-124

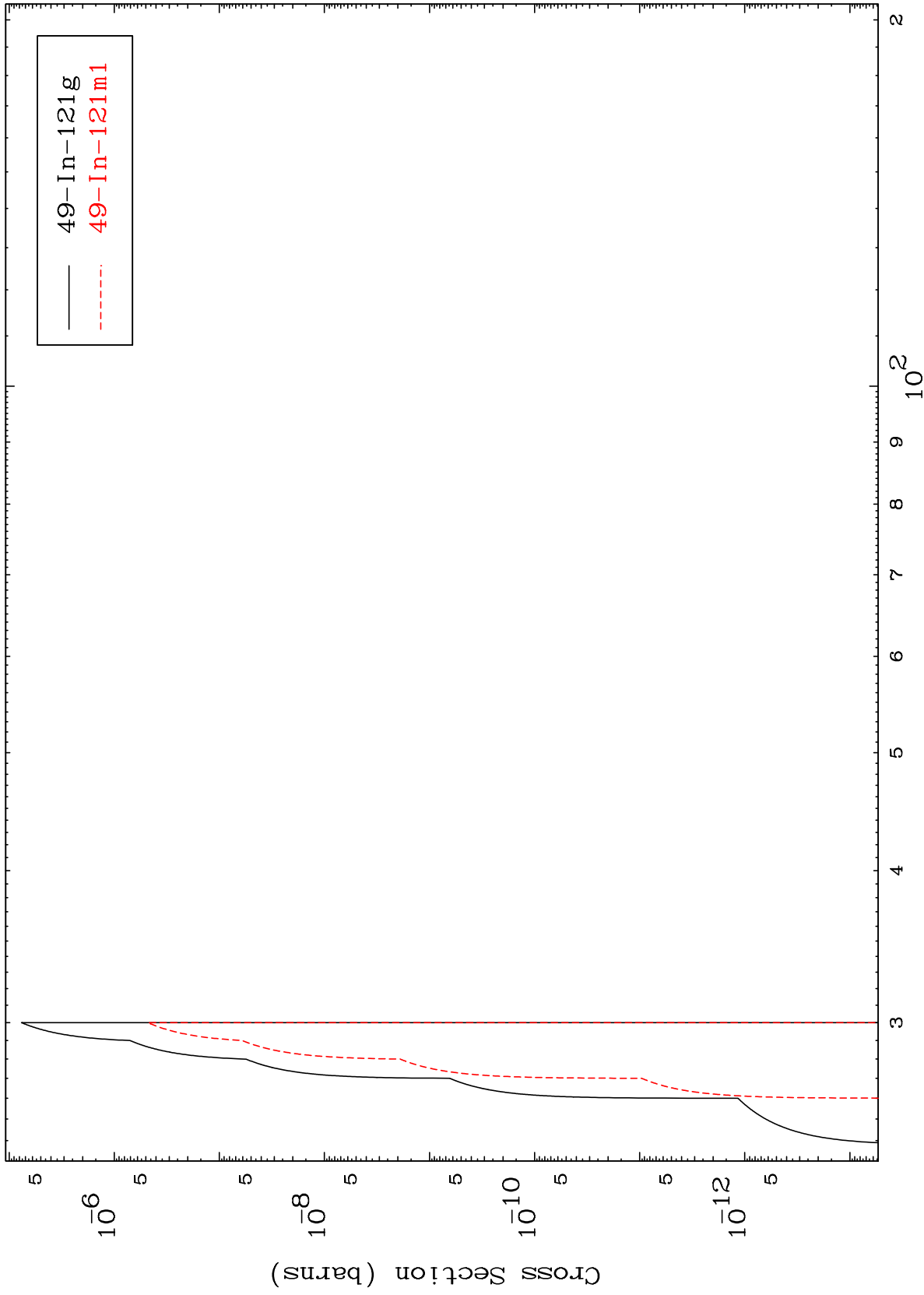


MAT 5061

(n,2n) d

50-Sn-124

Radionuclide Production Cross Section



128

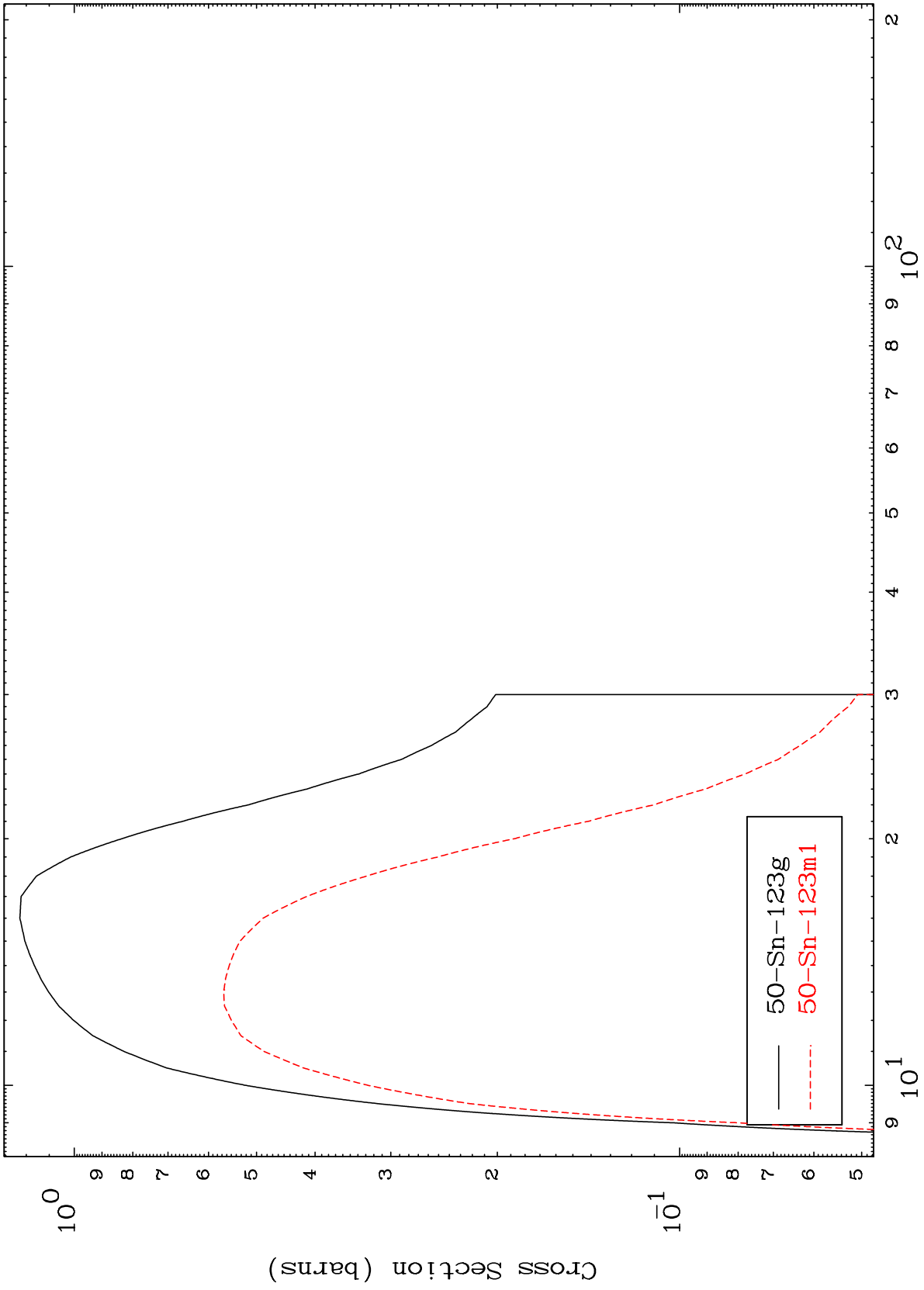
Incident Energy (MeV)

50-Sn-124

MAT 5061

50-Sn-124

(n,2n)  
Radionuclide Production Cross Section



129

Incident Energy (MeV)

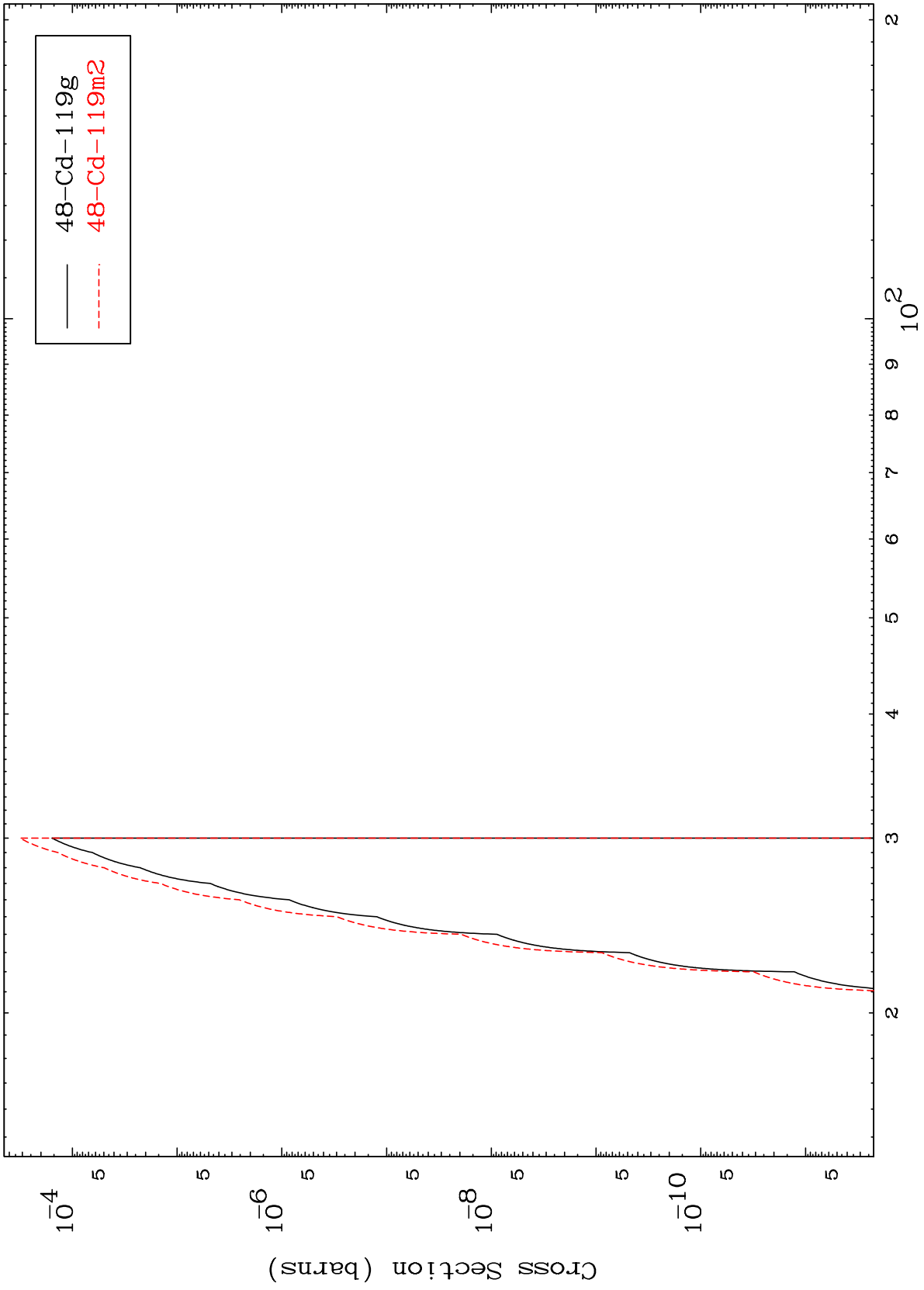
50-Sn-124

MAT 5061

(n,2n)  $\alpha$

50-Sn-124

Radionuclide Production Cross Section



130

Incident Energy (MeV)

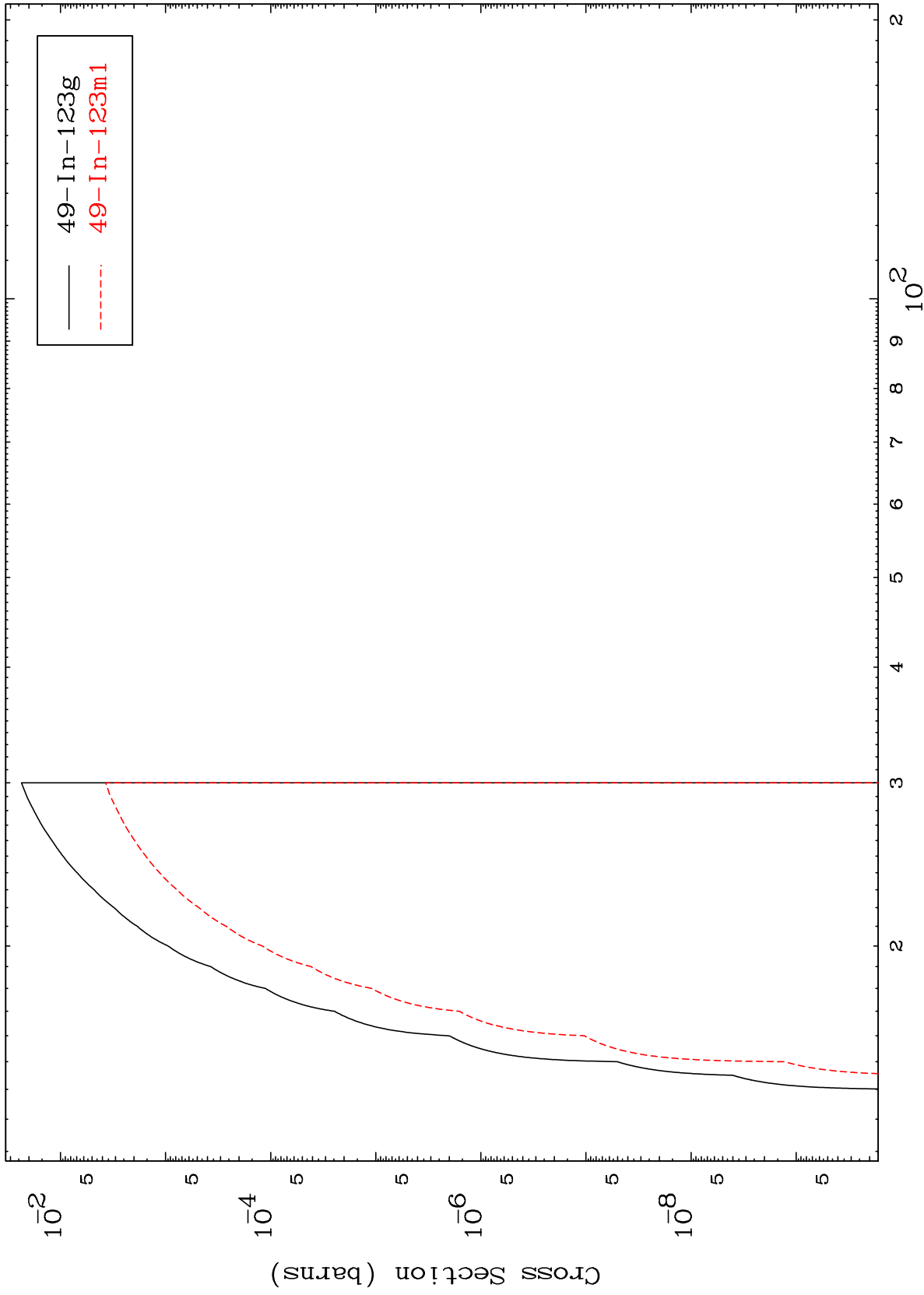
50-Sn-124

MAT 5061

(n,n') p

50-Sn-124

Radionuclide Production Cross Section



131

Incident Energy (MeV)

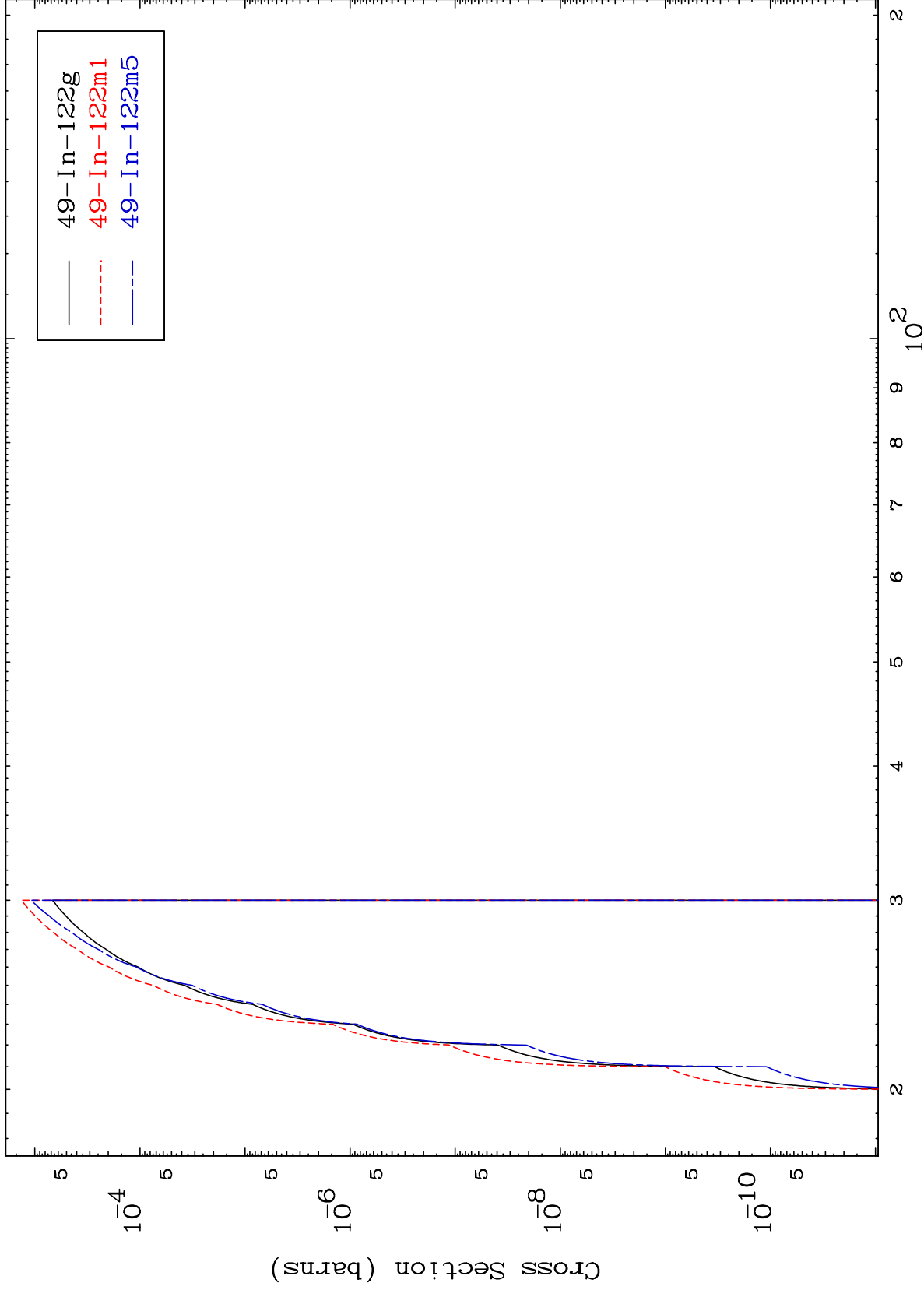
50-Sn-124

MAT 5061

(n,n') d

50-Sn-124

Radionuclide Production Cross Section



132

Incident Energy (MeV)

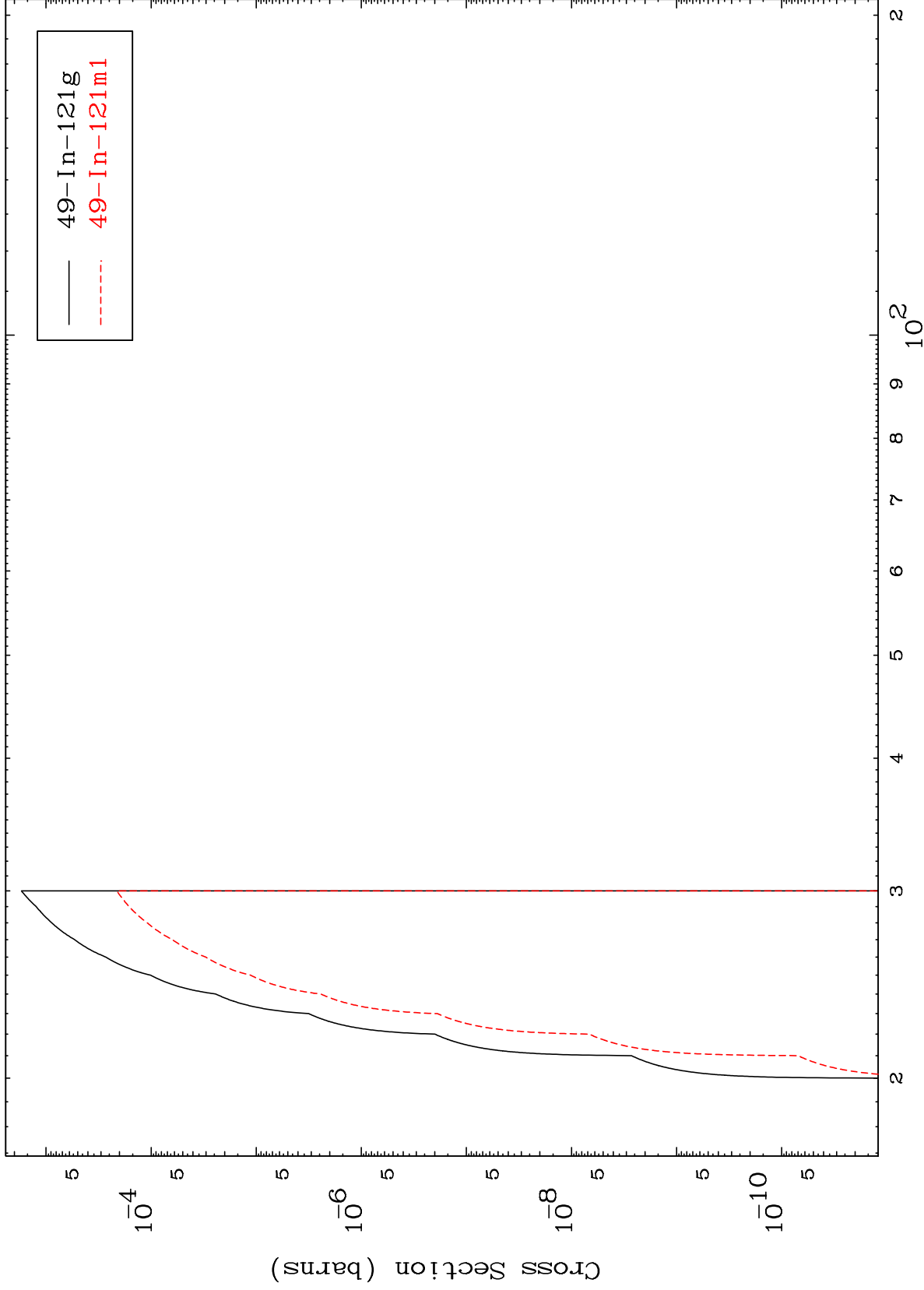
50-Sn-124

MAT 5061

(n,n') t

50-Sn-124

Radionuclide Production Cross Section



133

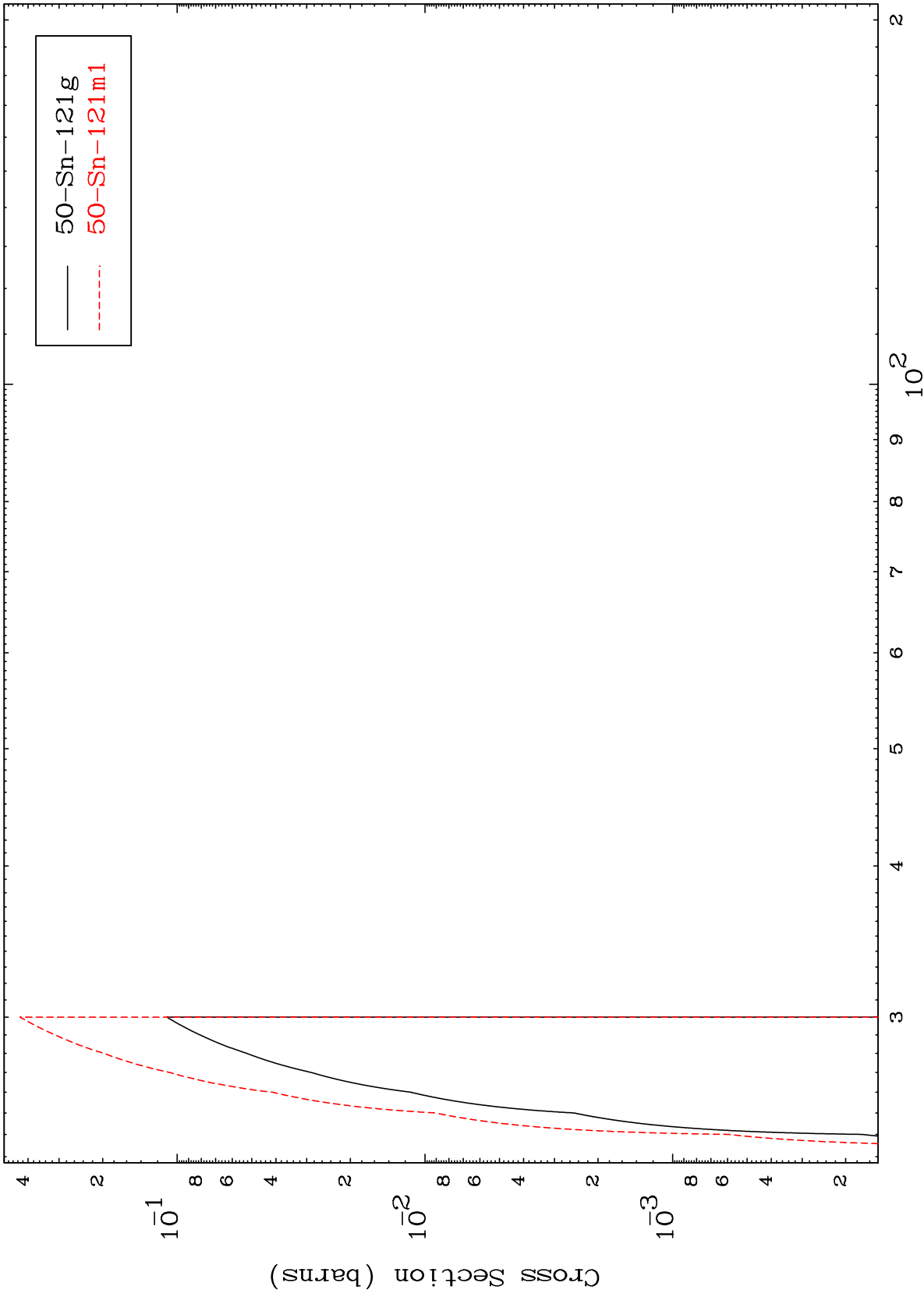
Incident Energy (MeV)

50-Sn-124

MAT 5061

50-Sn-124

(n,4n)  
Radionuclide Production Cross Section



134

50-Sn-124

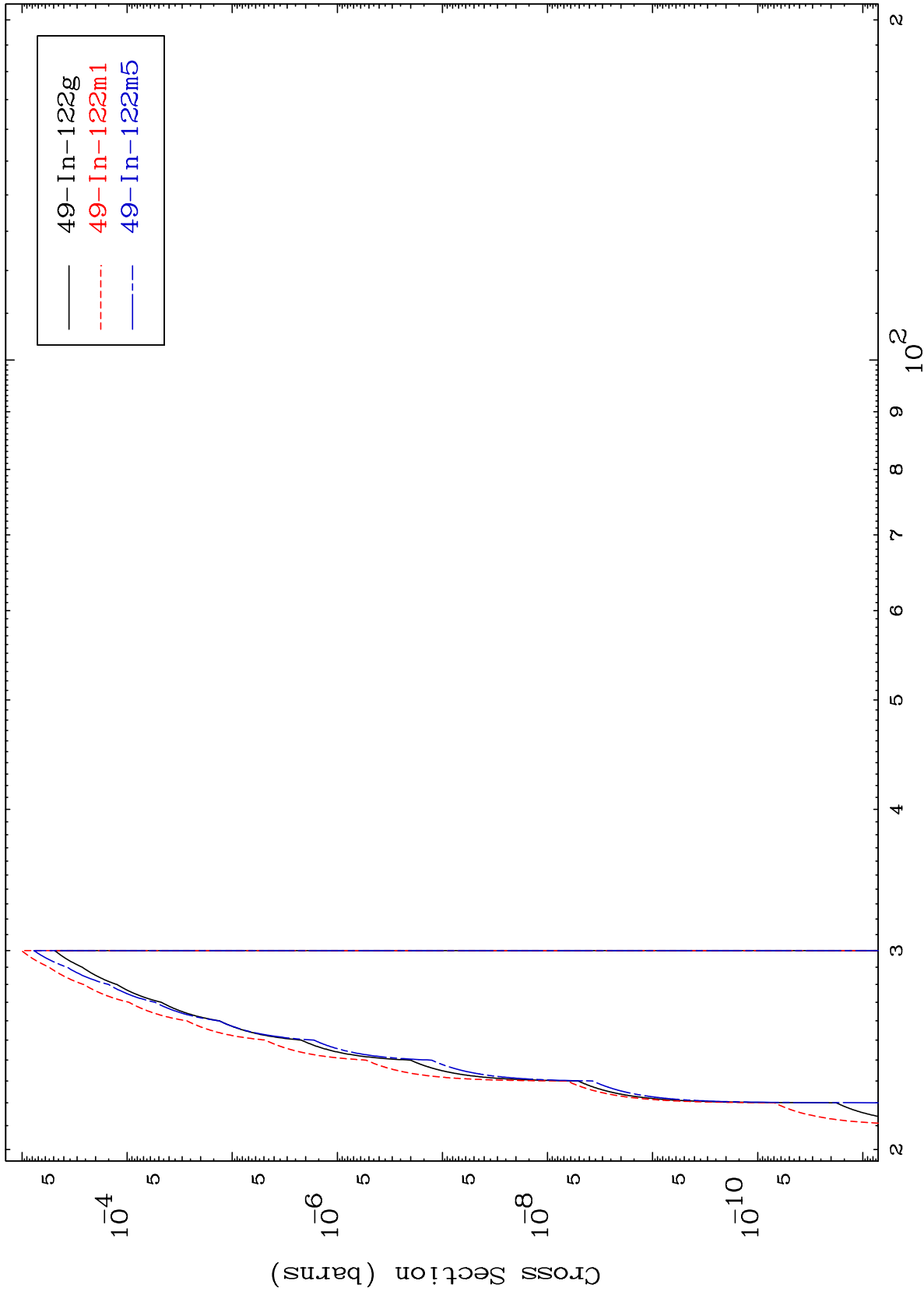
Incident Energy (MeV)

MAT 5061

(n,2n) p

50-Sn-124

Radionuclide Production Cross Section



135

Incident Energy (MeV)

50-Sn-124

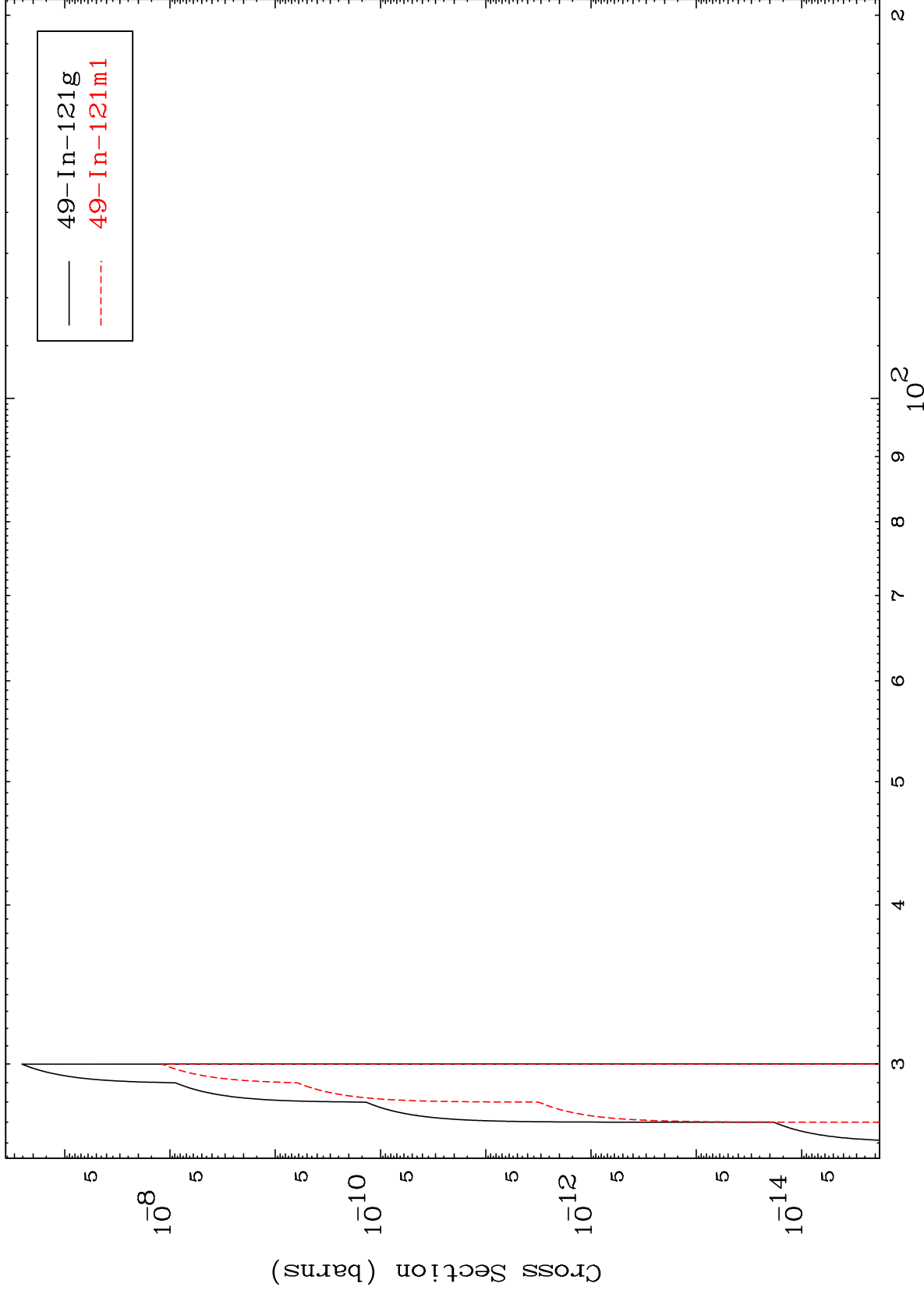


MAT 5061

(n,3n) p

50-Sn-124

Radionuclide Production Cross Section



136

Incident Energy (MeV)

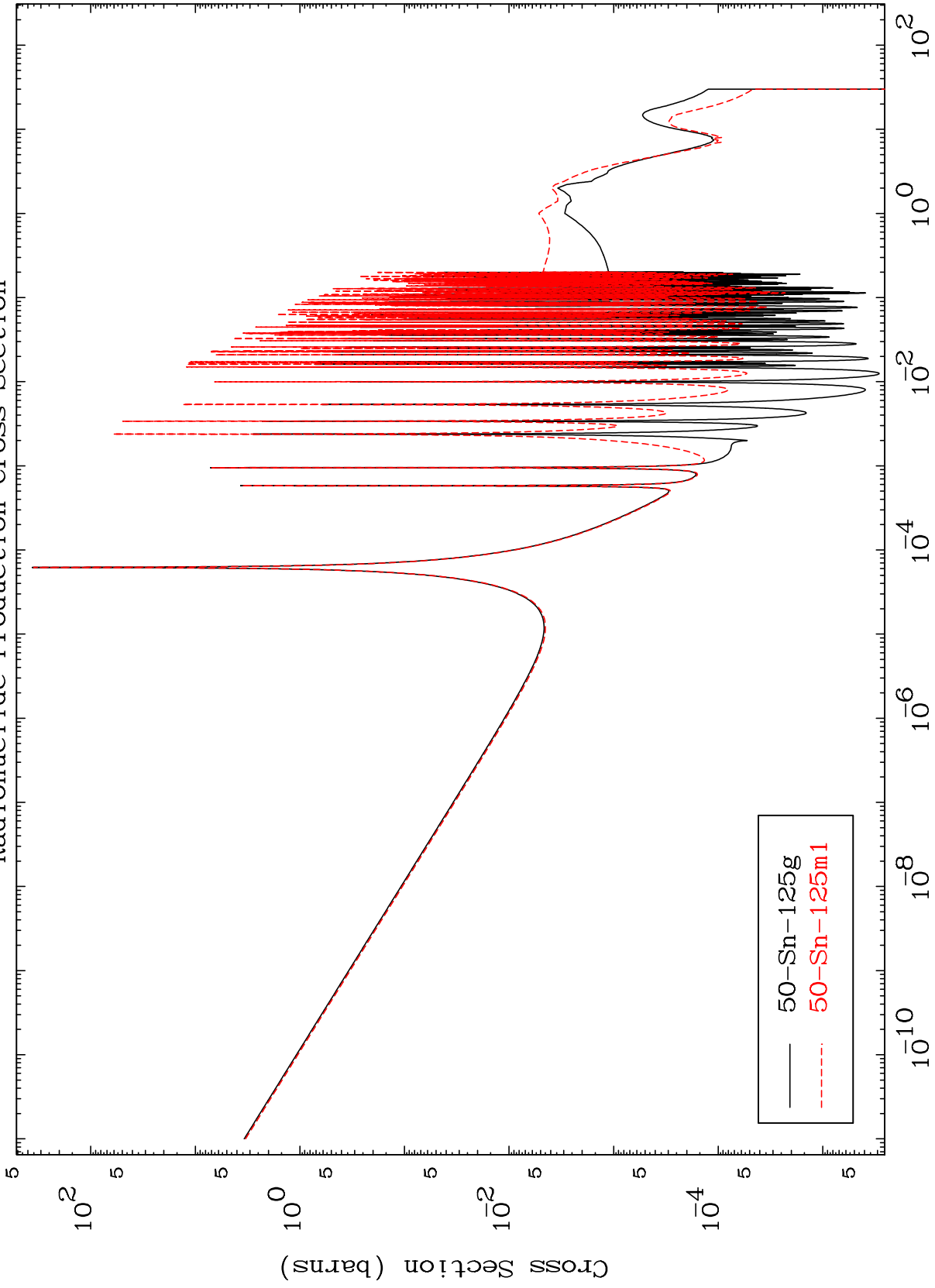
50-Sn-124

MAT 5061

50-Sn-124

Radionuclide Production Cross Section

(n,  $\gamma$ )



137

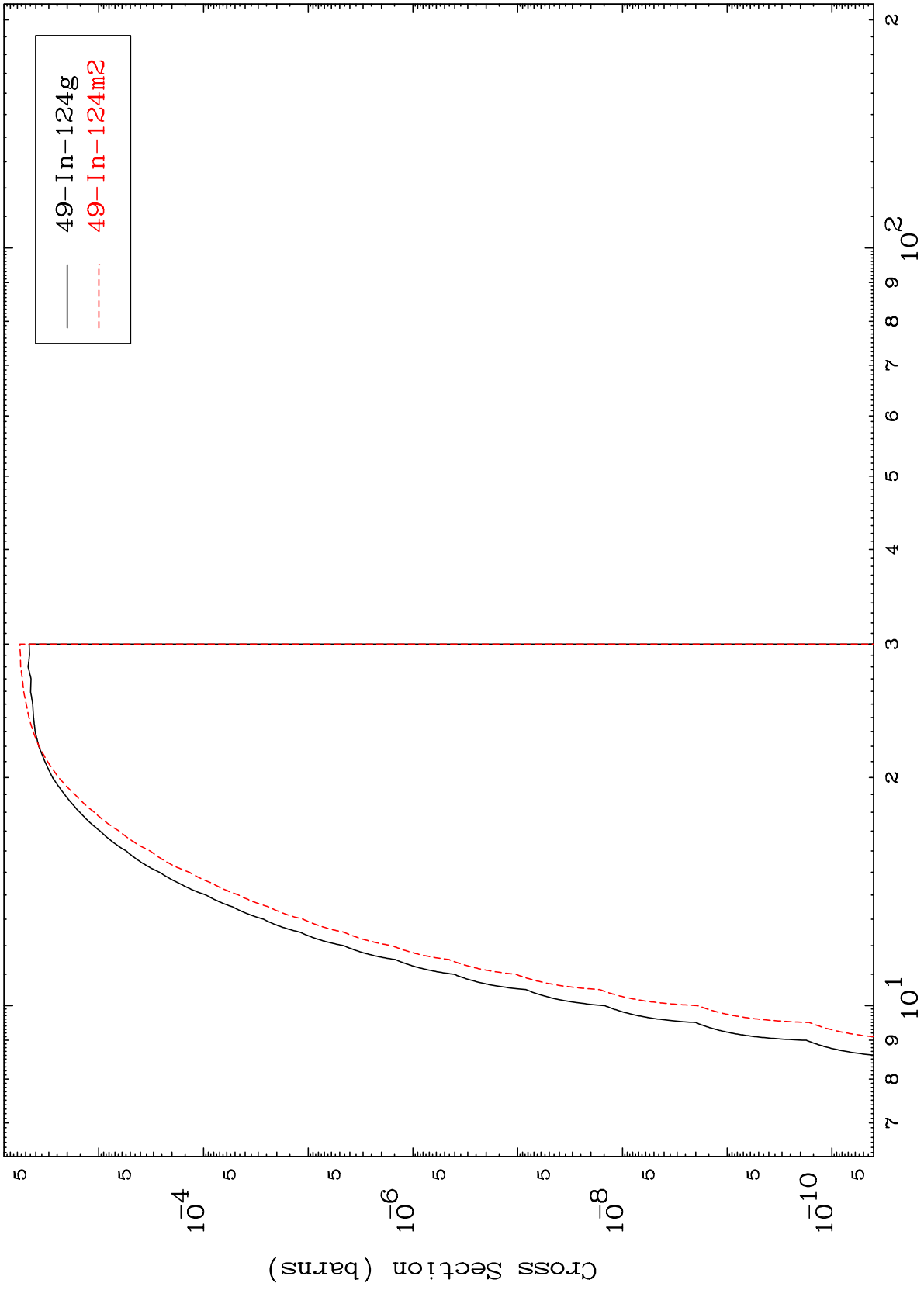
Incident Energy (MeV)

50-Sn-124

MAT 5061

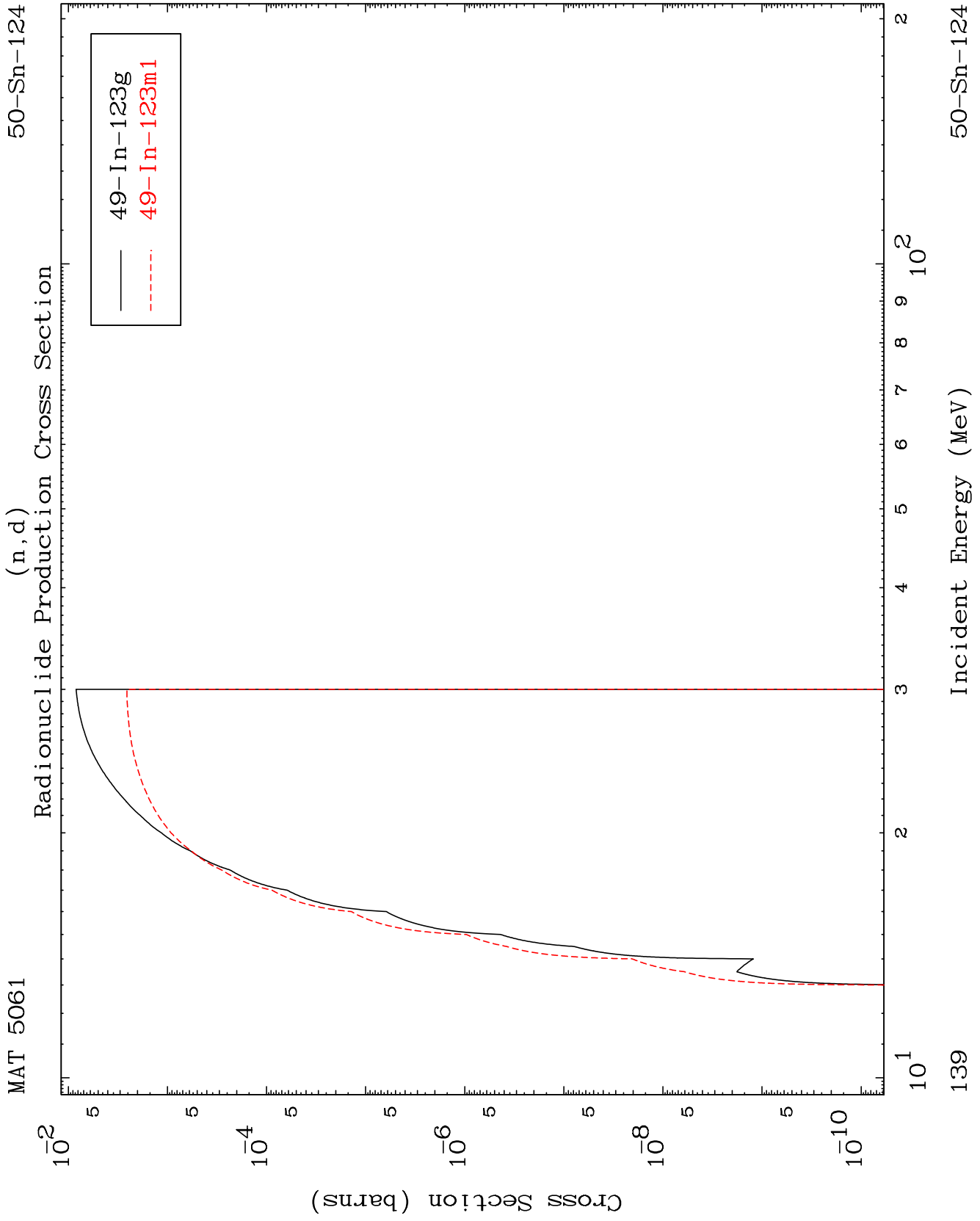
50-Sn-124

(n,p)  
Radionuclide Production Cross Section



138

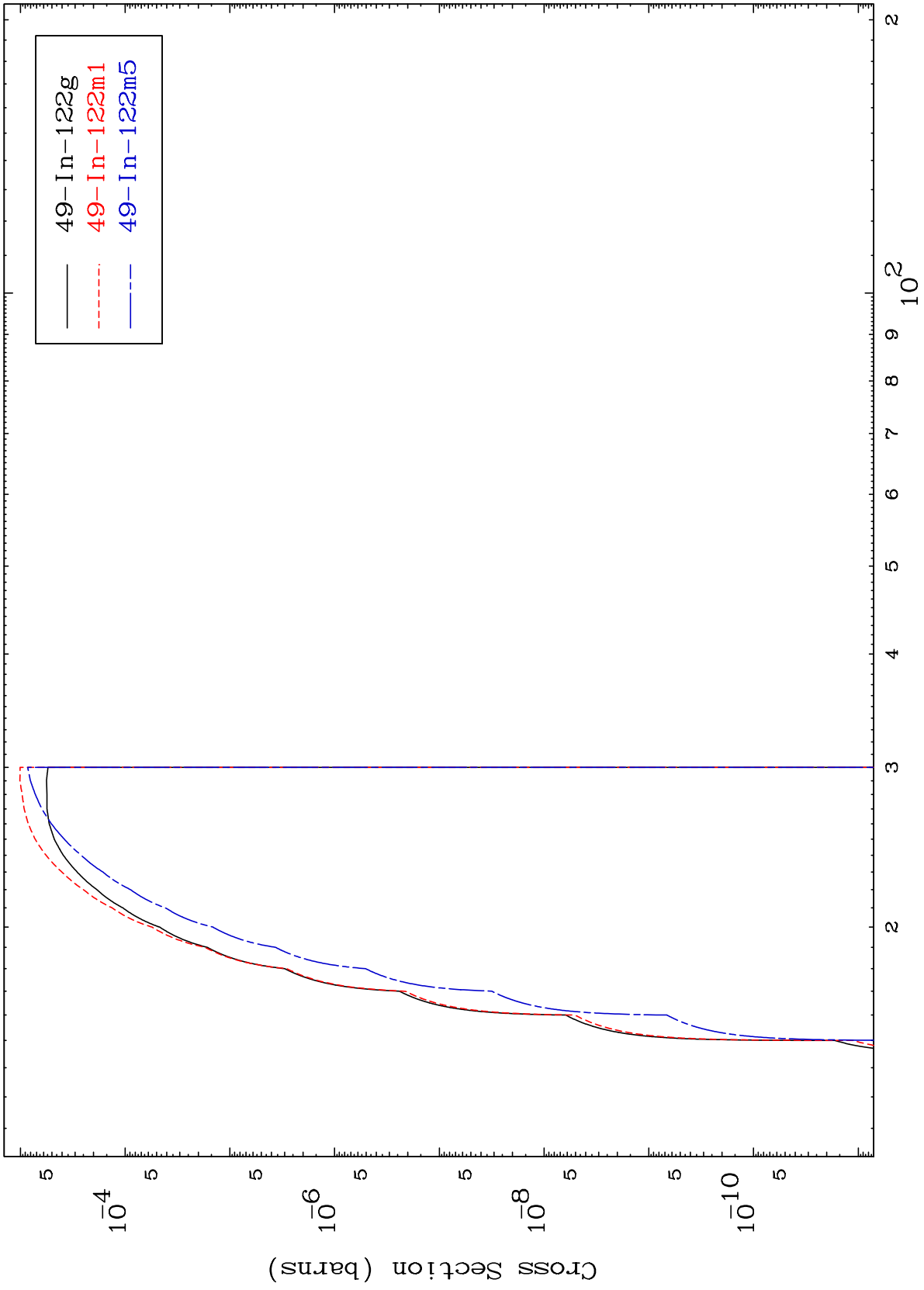
50-Sn-124



MAT 5061

50-Sn-124

(n, t)  
Radionuclide Production Cross Section



140

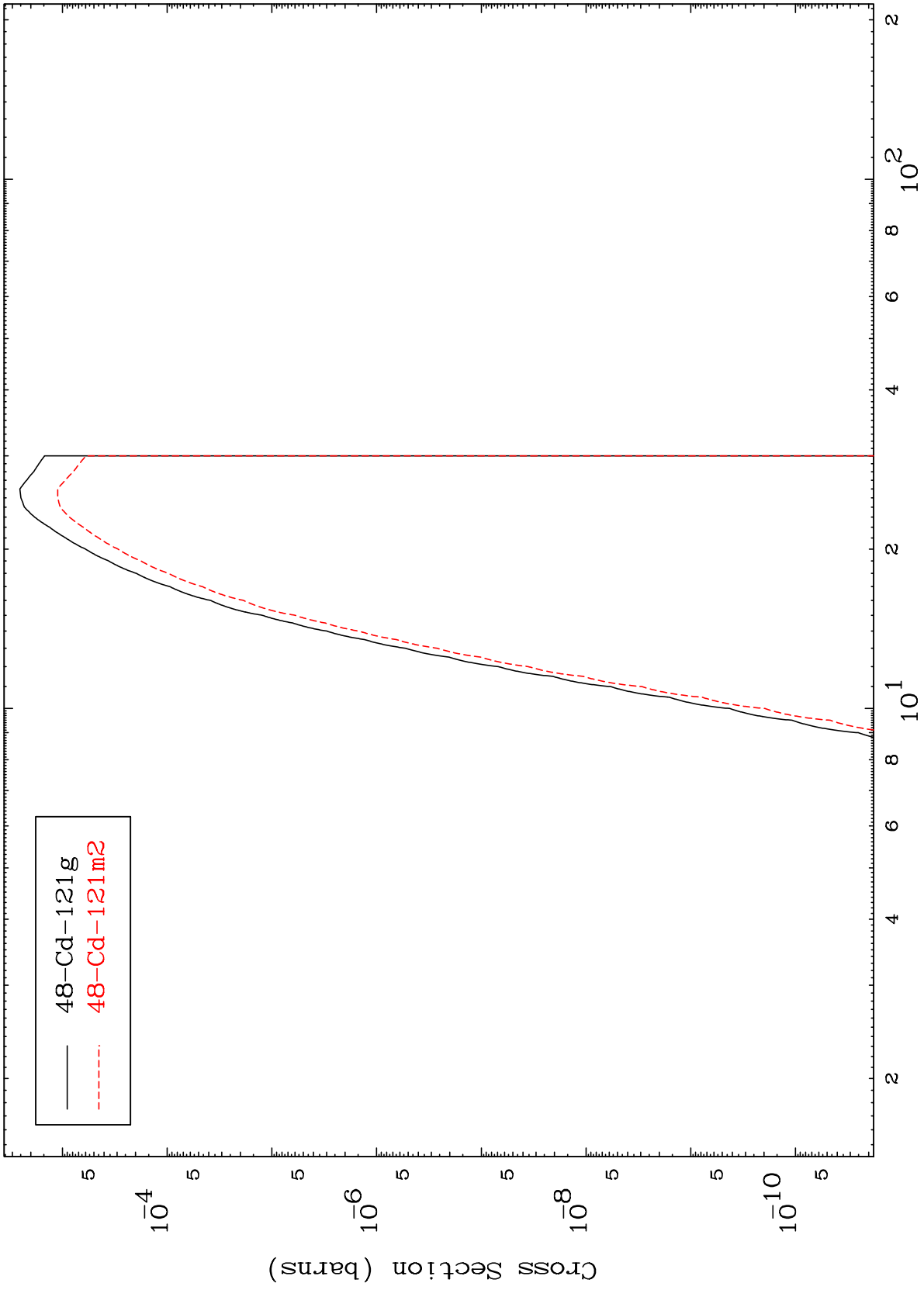
50-Sn-124

Incident Energy (MeV)

MAT 5061

Radionuclide Production Cross Section  
(n,  $\alpha$ )

50-Sn-124



141

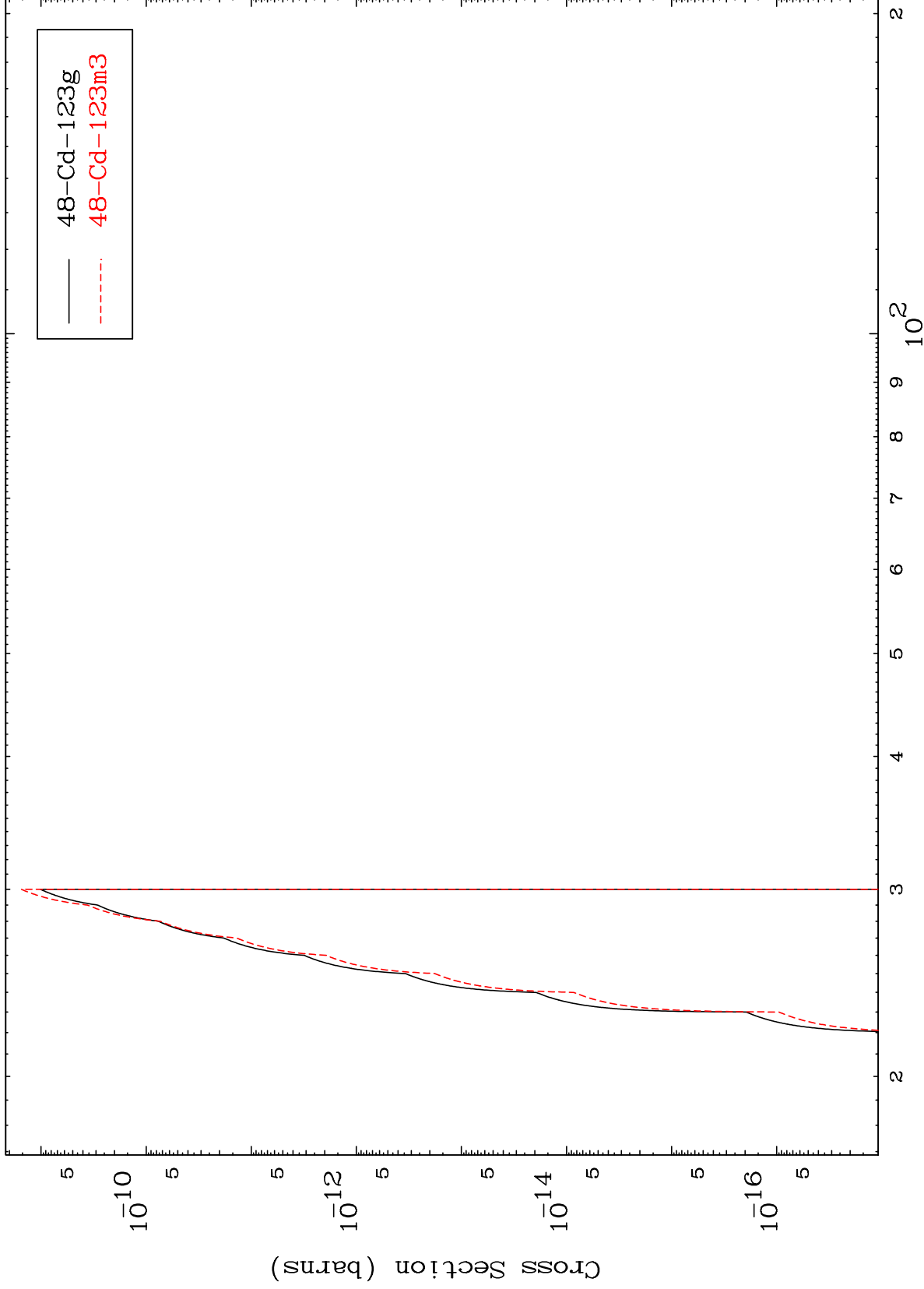
Incident Energy (MeV)

50-Sn-124

MAT 5061

50-Sn-124

(n,2p)  
Radionuclide Production Cross Section



142

50-Sn-124