

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

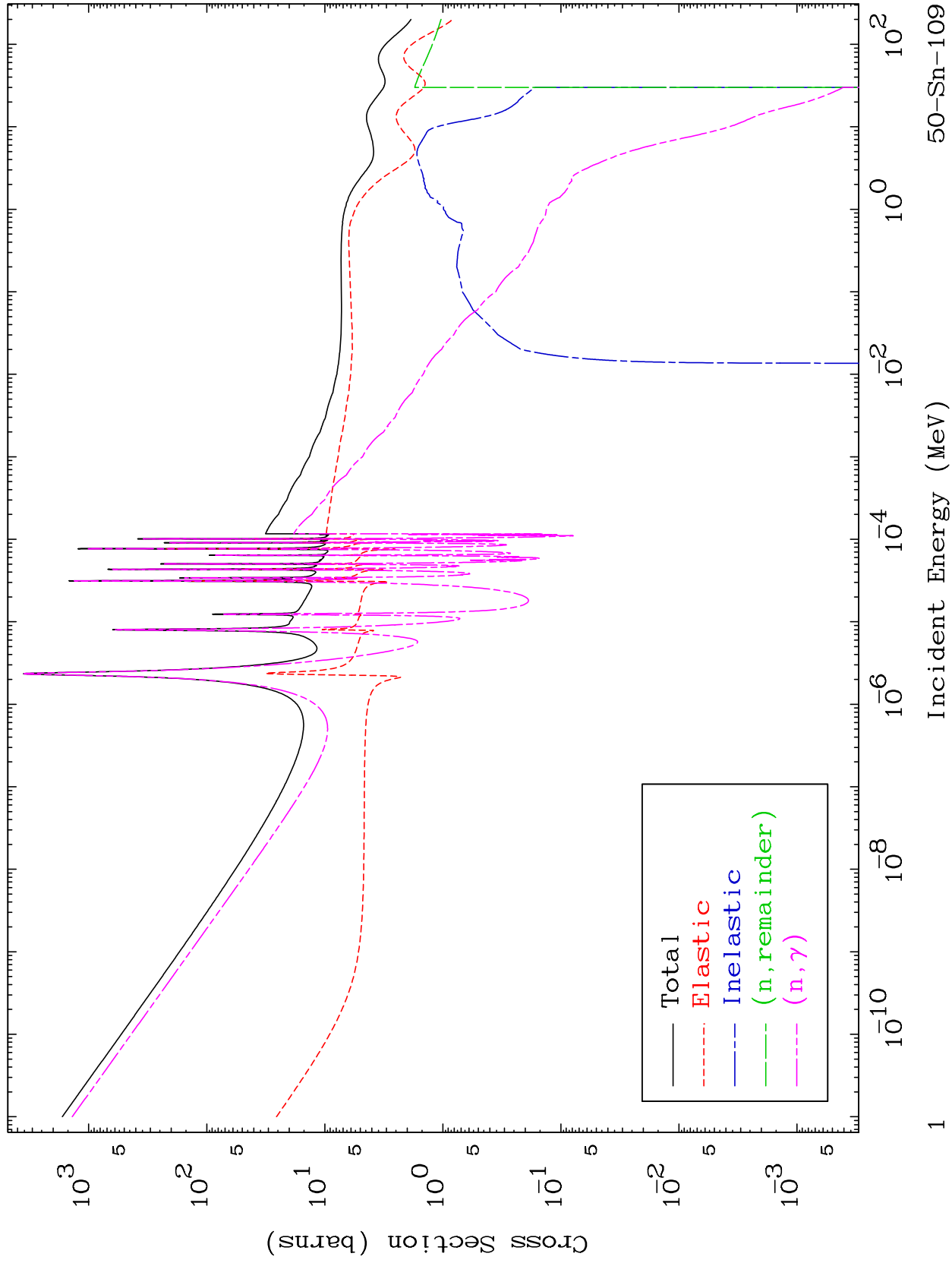
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5016

Major
293 Kelvin Cross Sections

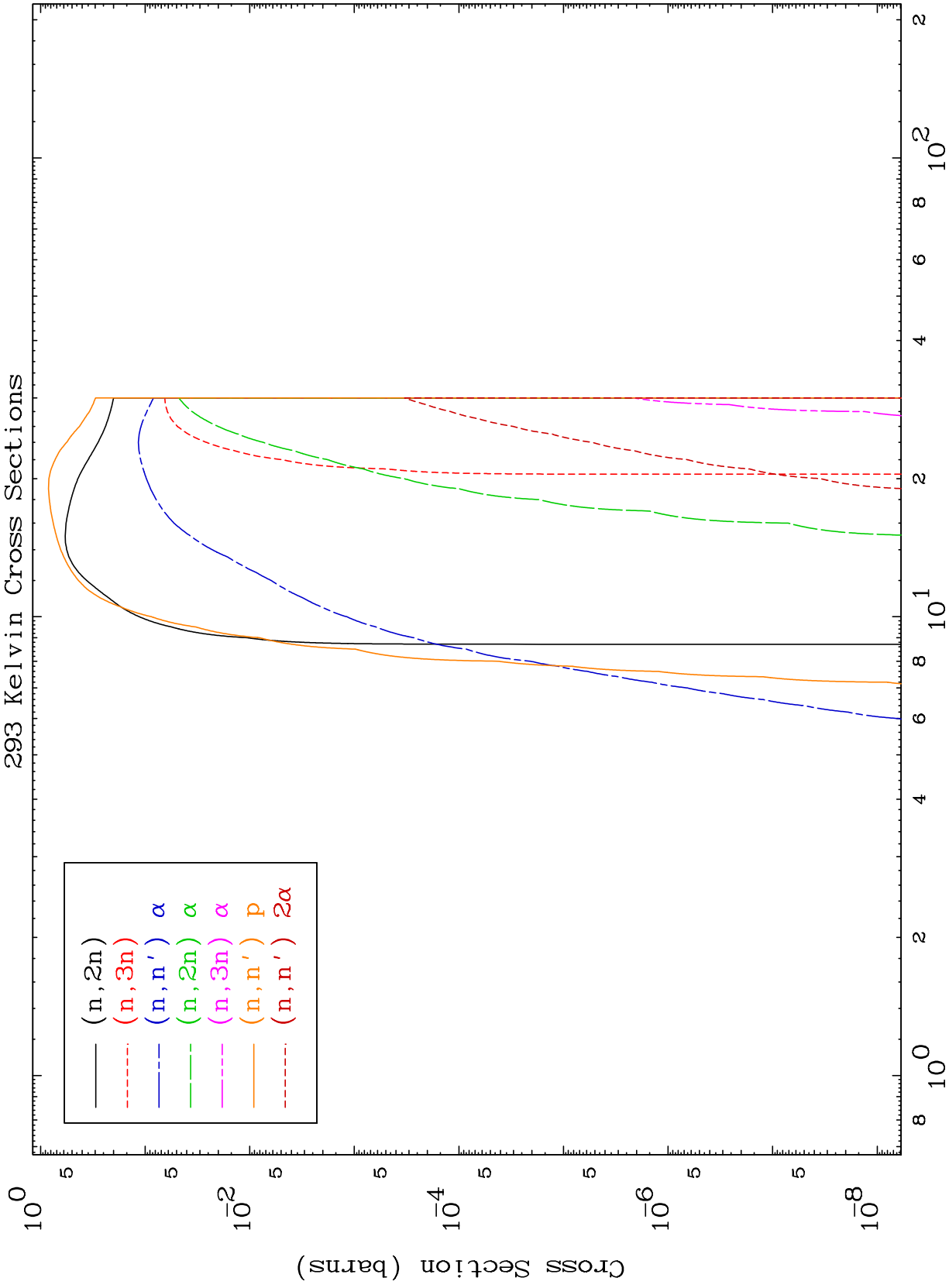
50-Sn-109



MAT 5016

Neutron Production
293 Kelvin Cross Sections

50-Sn-109



2

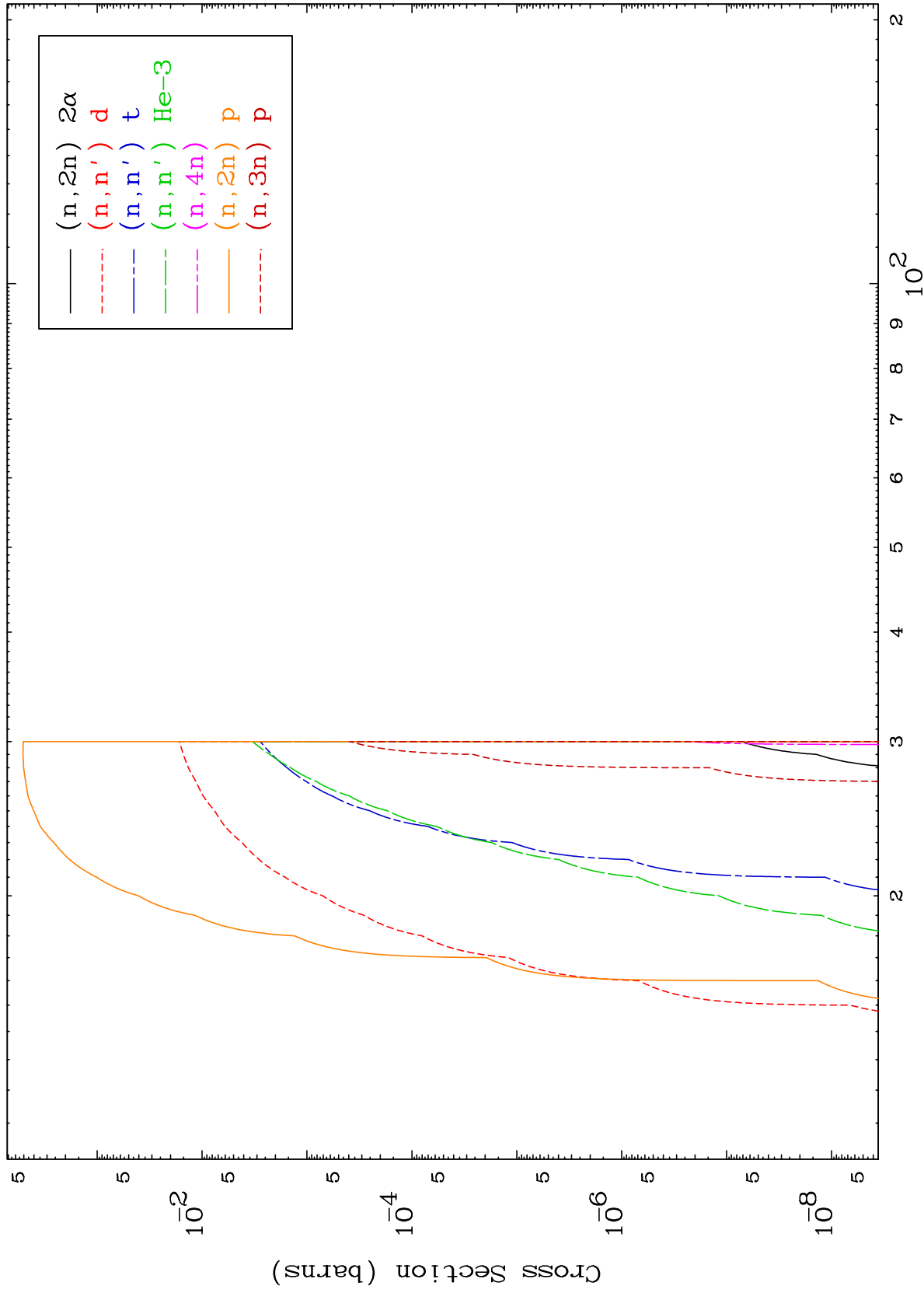
Incident Energy (MeV)

50-Sn-109

MAT 5016

Neutron Production
293 Kelvin Cross Sections

50-Sn-109



3

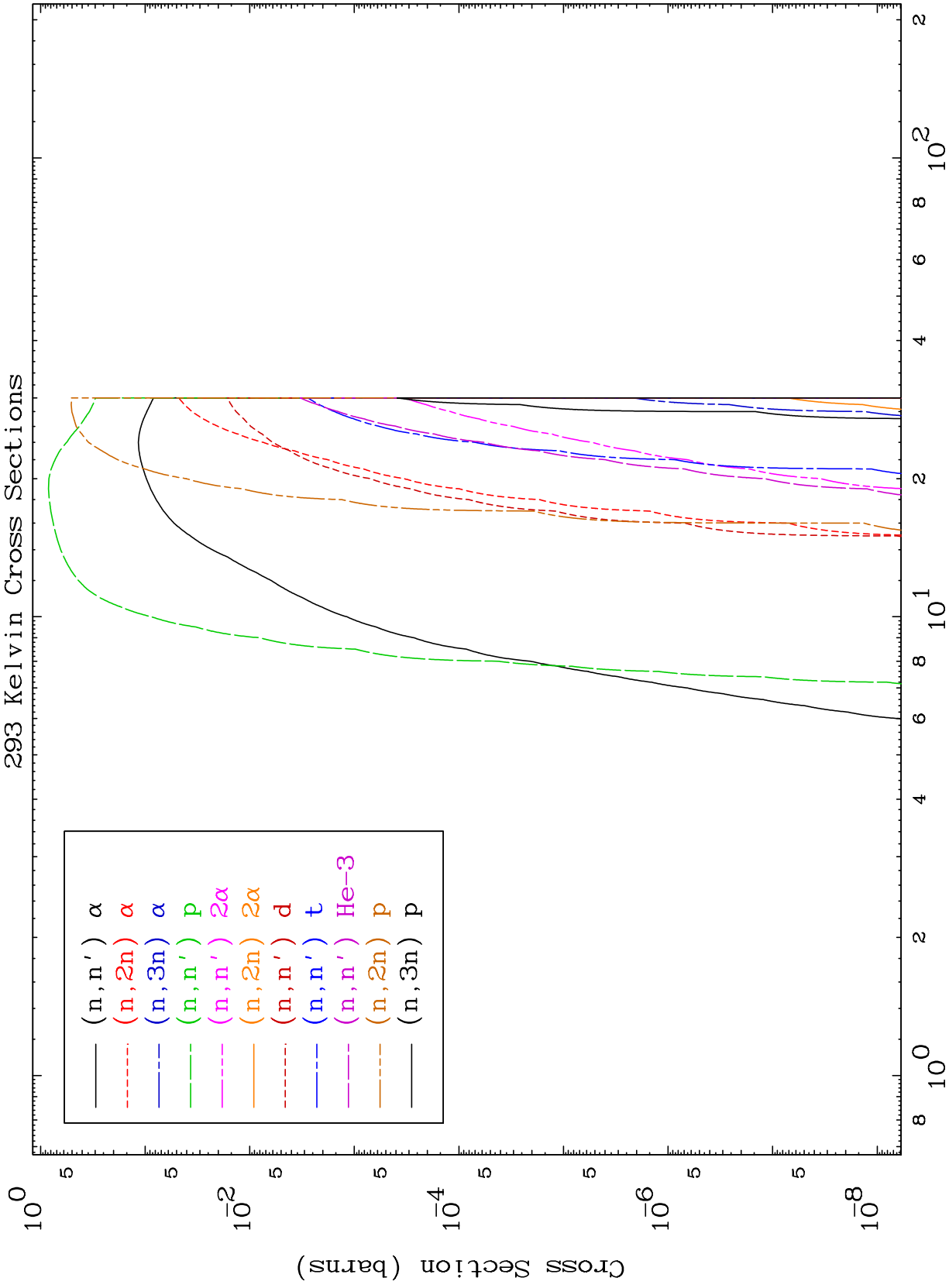
Incident Energy (MeV)

50-Sn-109

MAT 5016

293 Kelvin Cross Sections

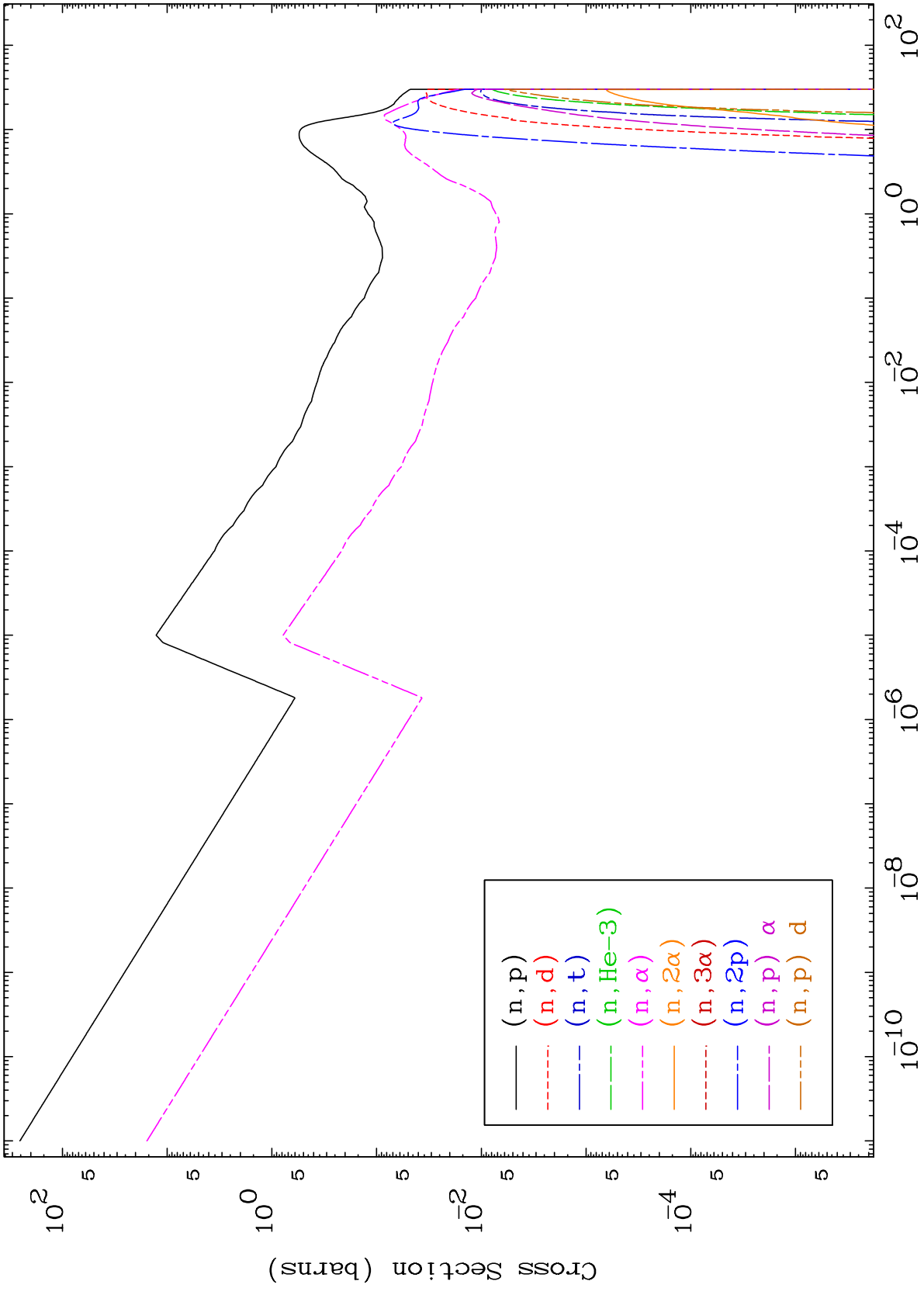
50-Sn-109



MAT 5016

293 Kelvin Cross Sections

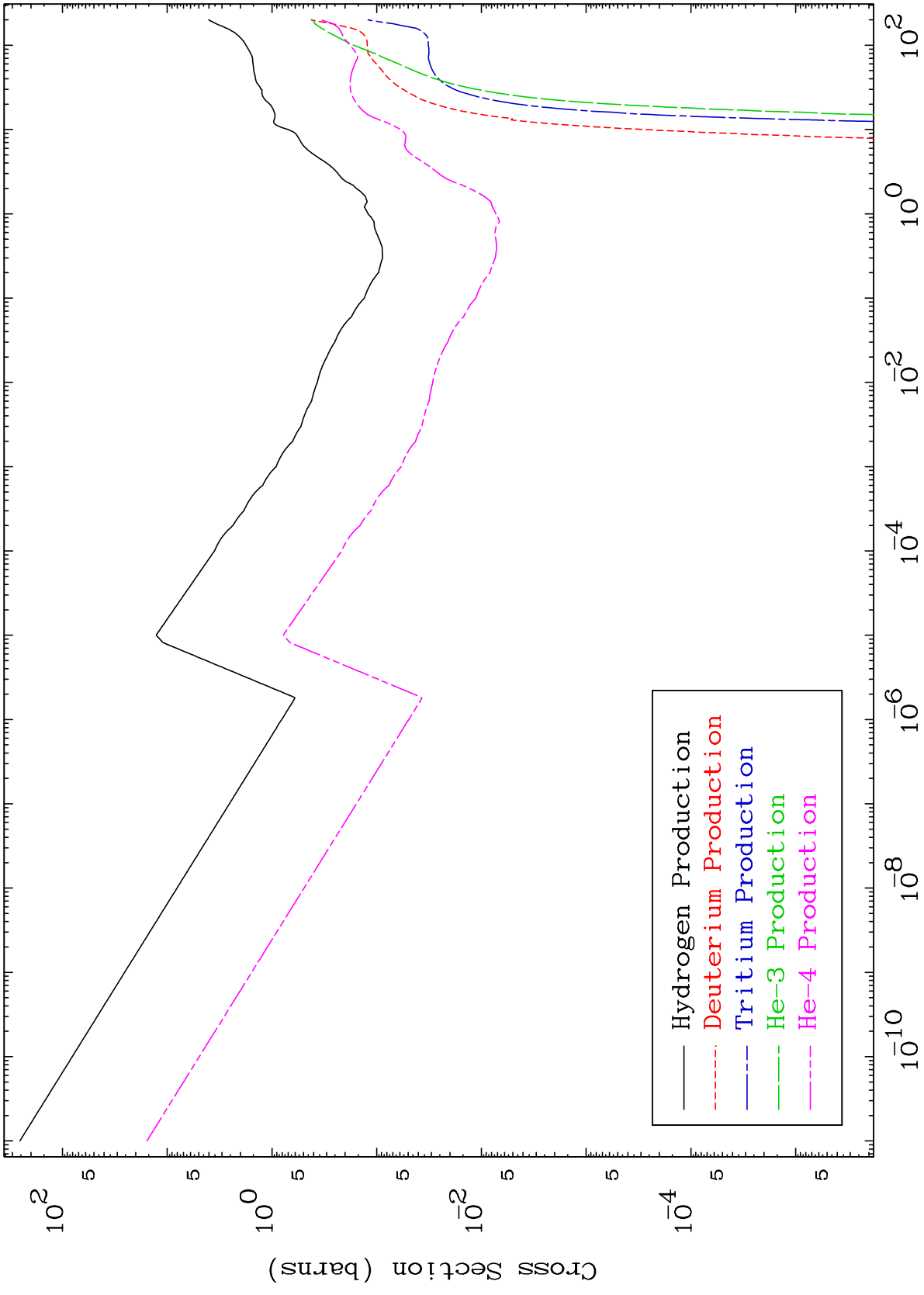
50-Sn-109



MAT 5016

Particle Production
293 Kelvin Cross Sections

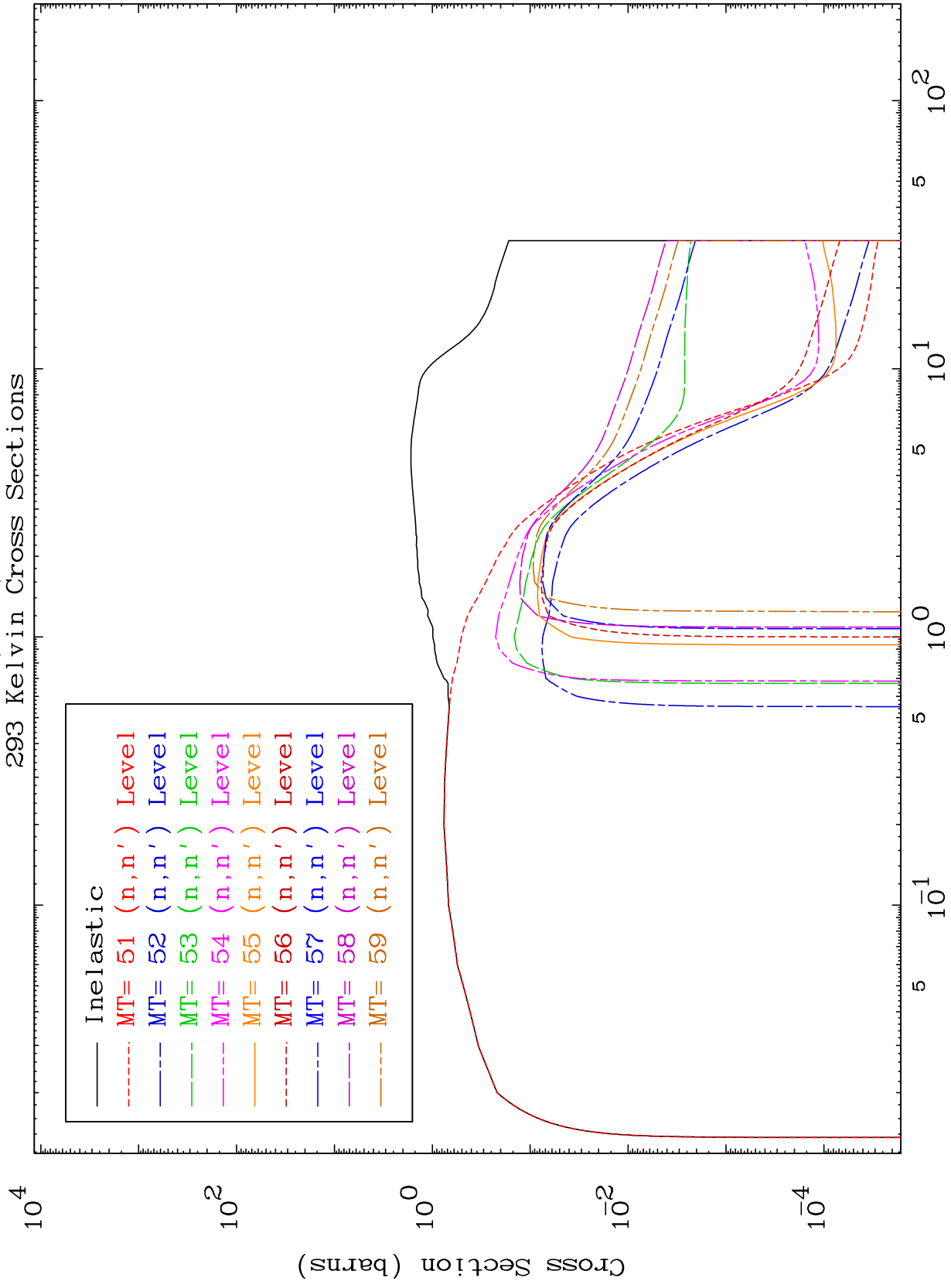
50-Sn-109



MAT 5016

(n,n') Level
293 Kelvin Cross Sections

50-Sn-109



50-Sn-109

Incident Energy (MeV)

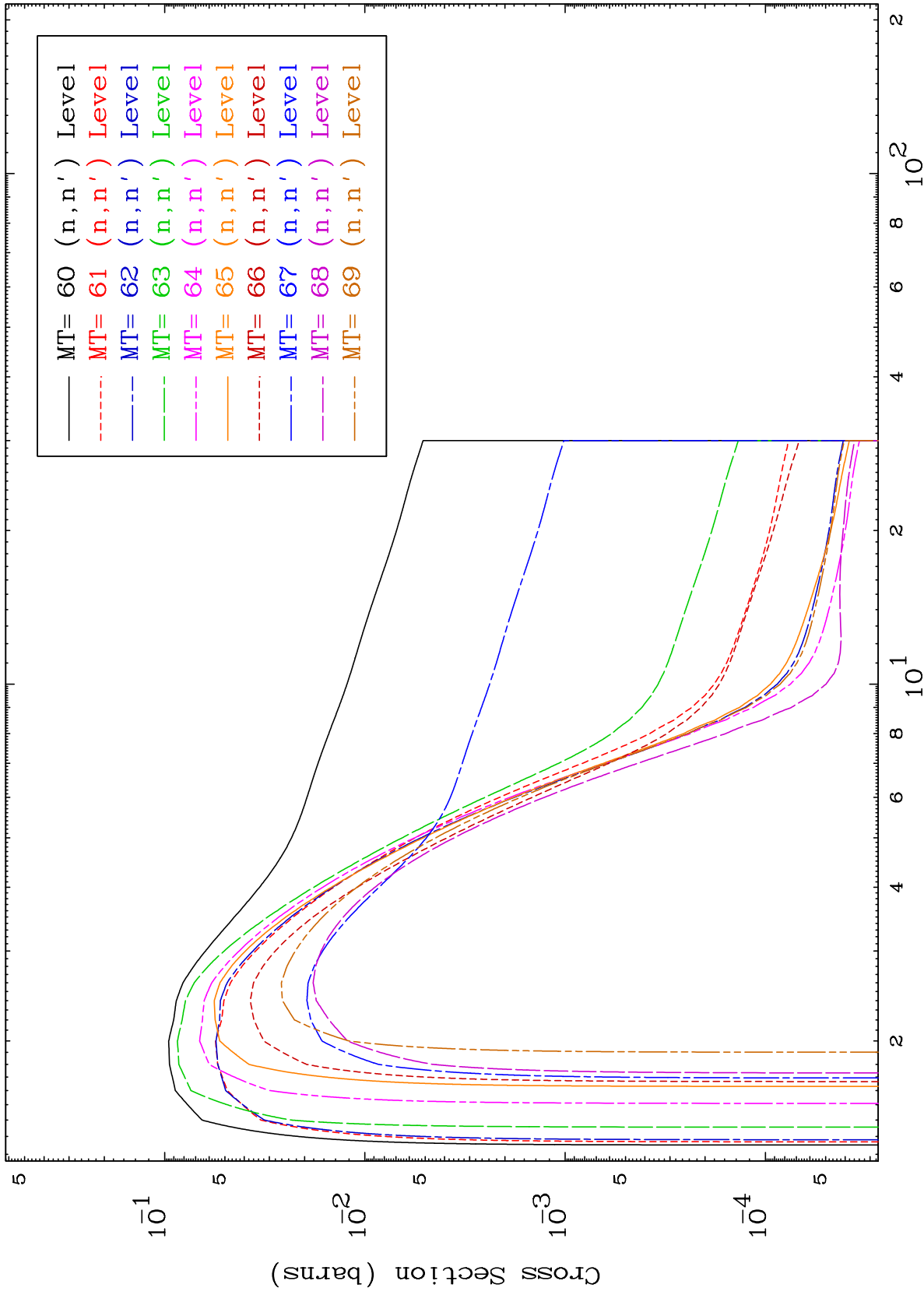
7

MAT 5016

(n, n') Level

50-Sn-109

293 Kelvin Cross Sections



8

Incident Energy (MeV)

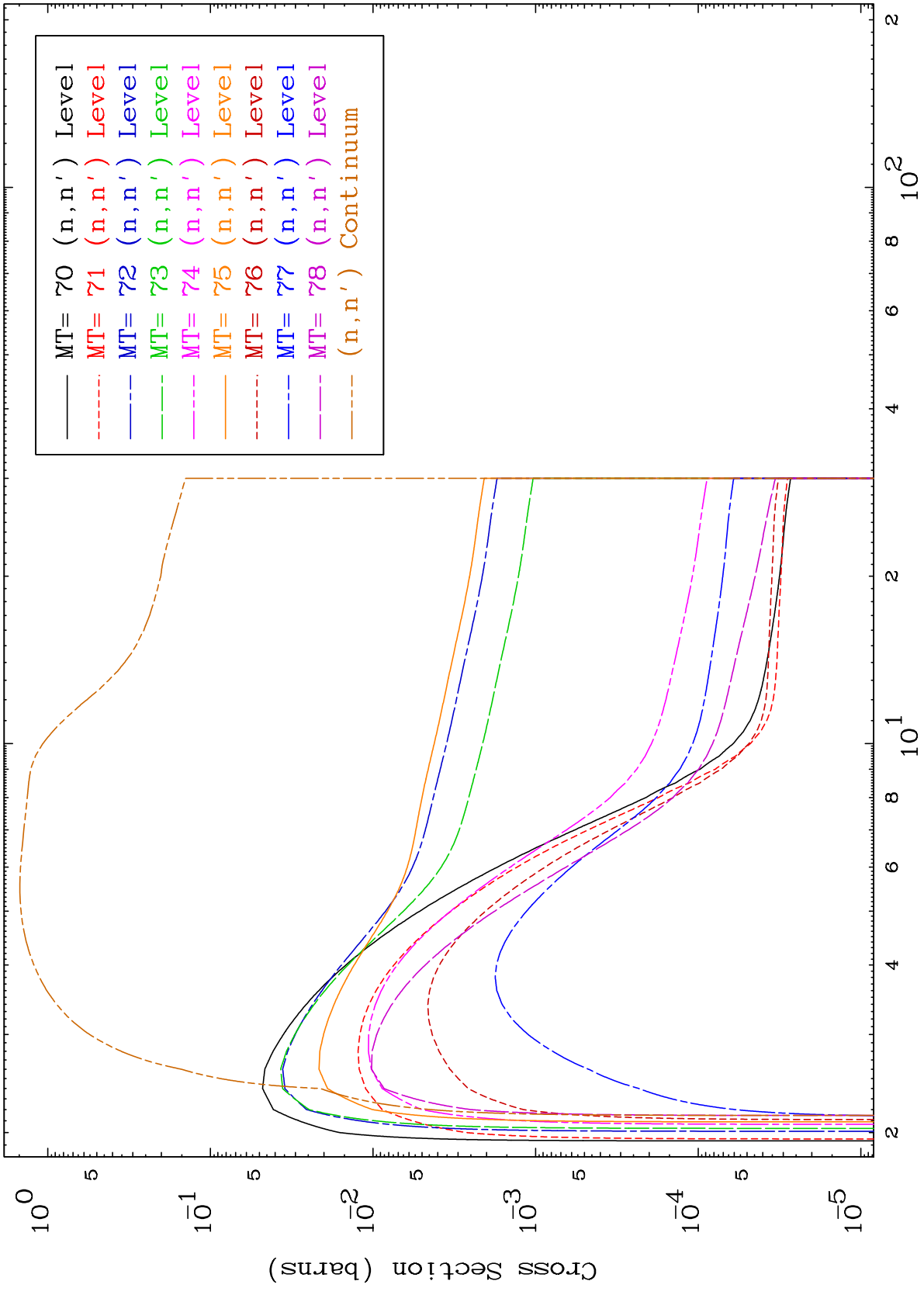
50-Sn-109

MAT 5016

(n,n') Level

50-Sn-109

293 Kelvin Cross Sections



9

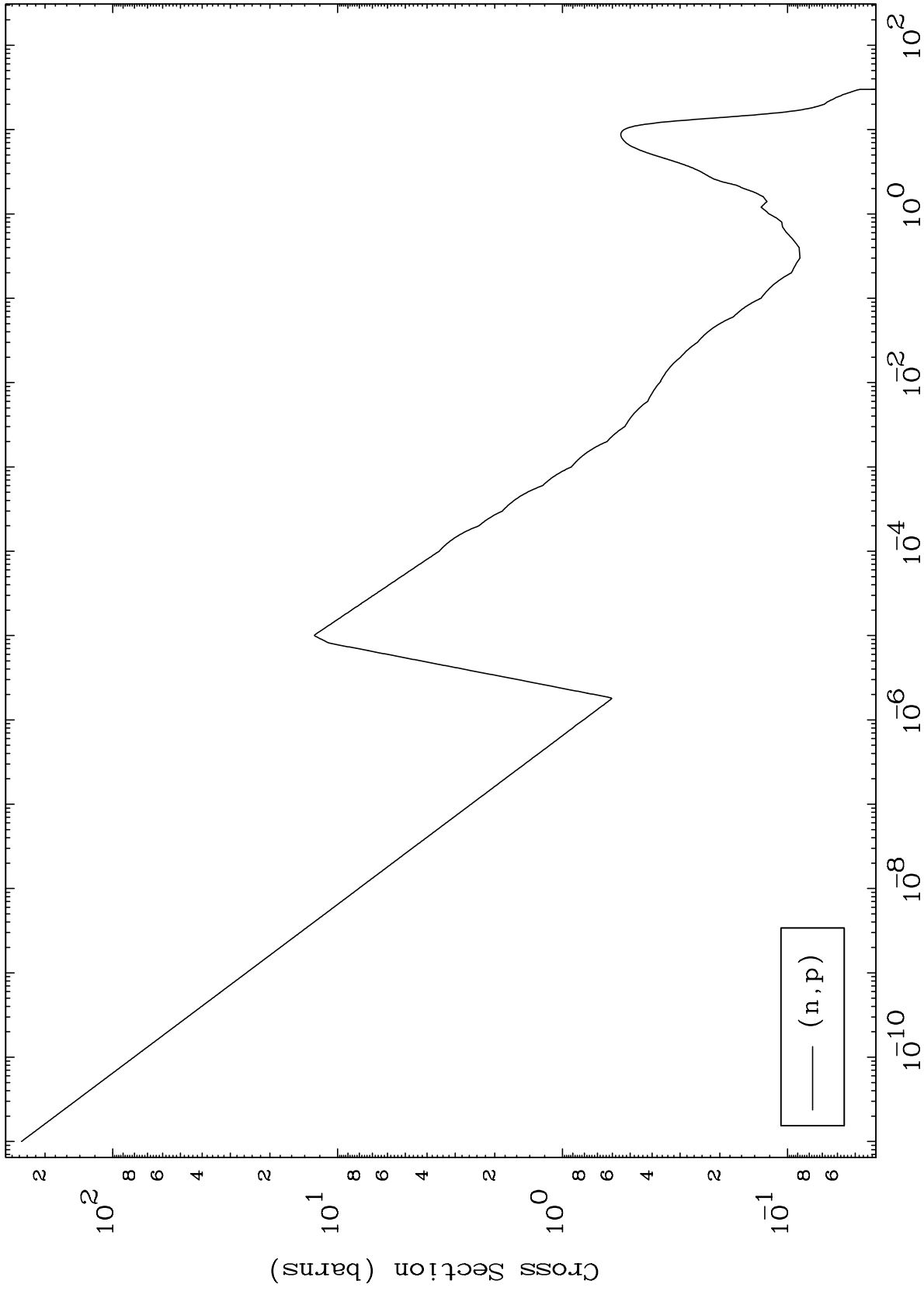
Incident Energy (MeV)

50-Sn-109

MAT 5016

(n,p) Levels
293 Kelvin Cross Sections

50-Sn-109



10

Incident Energy (MeV)

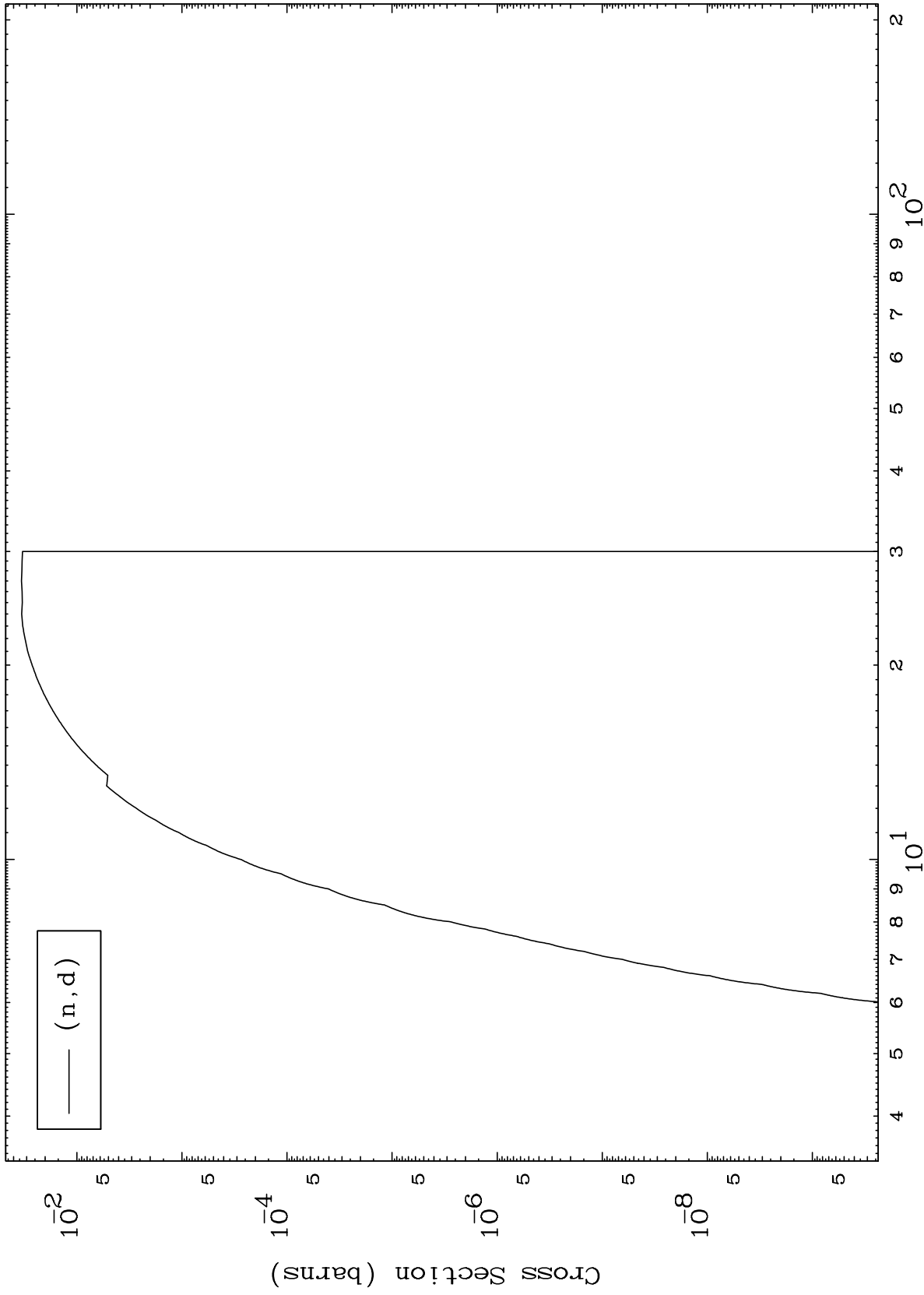
50-Sn-109

— (n, p)

MAT 5016

(n,d) Levels
293 Kelvin Cross Sections

50-Sn-109



11

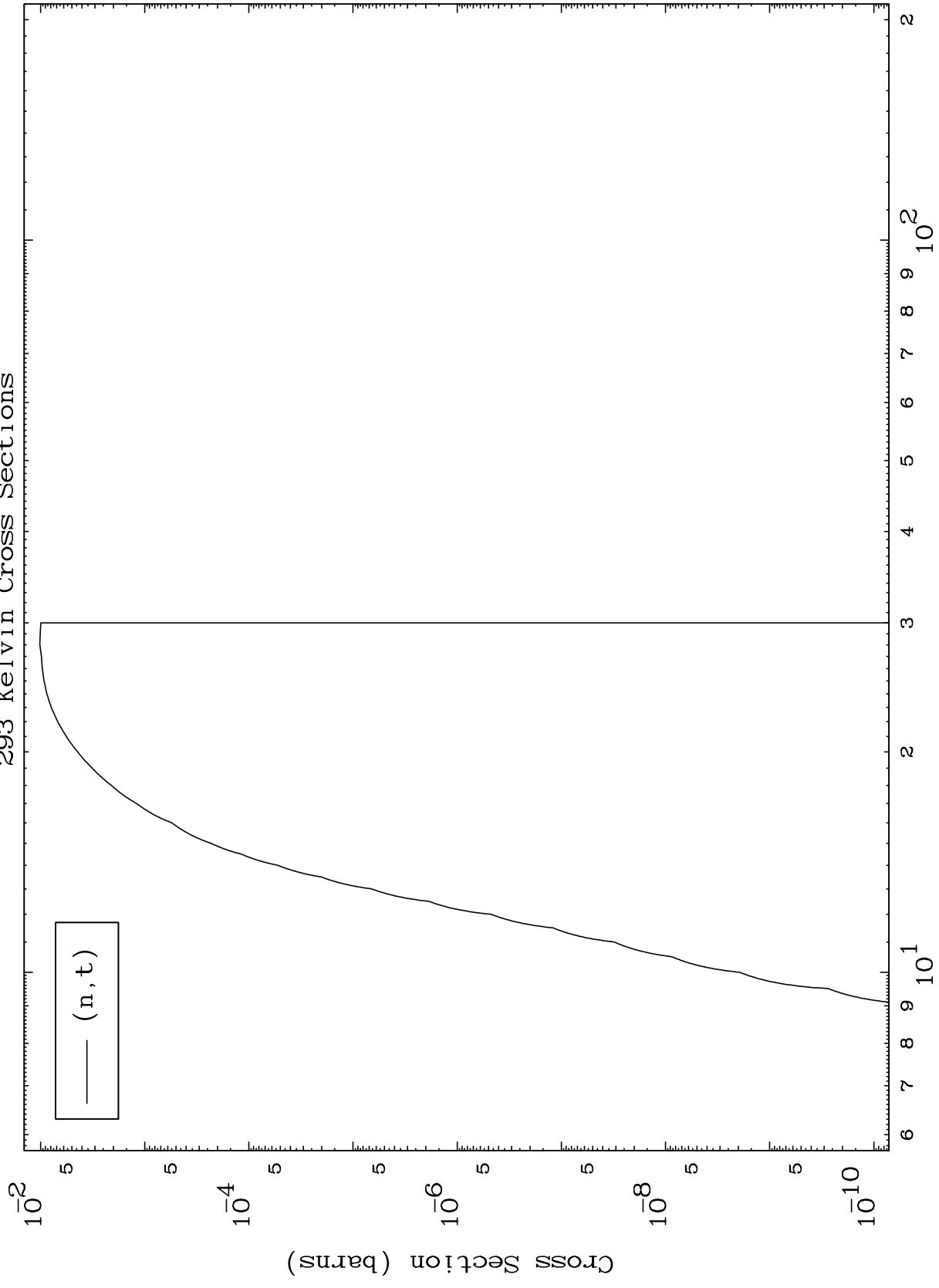
Incident Energy (MeV)

50-Sn-109

MAT 5016

(n,t) Levels
293 Kelvin Cross Sections

50-Sn-109



12

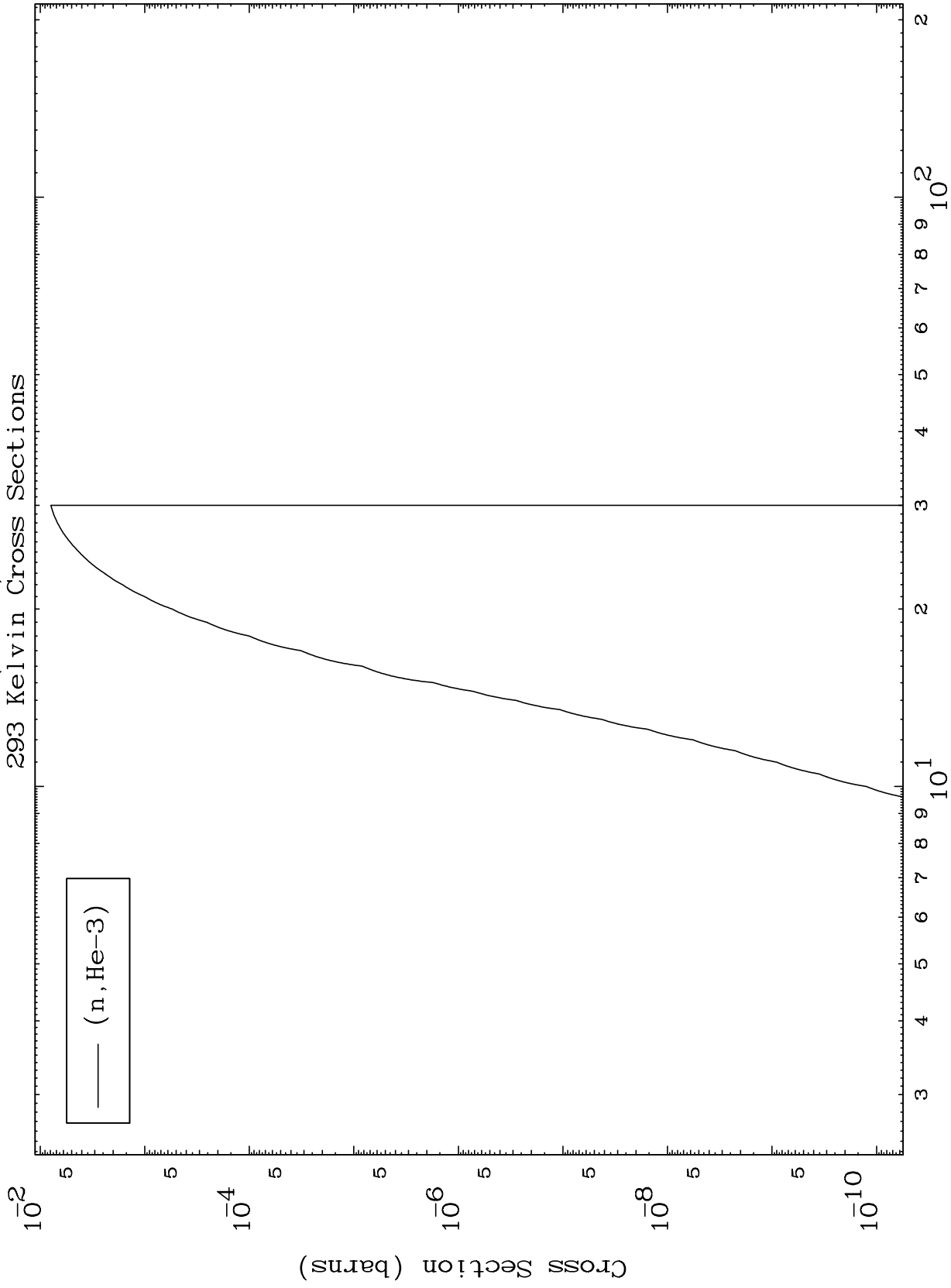
Incident Energy (MeV)

50-Sn-109

MAT 5016

(n,He3) Levels
293 Kelvin Cross Sections

50-Sn-109



13

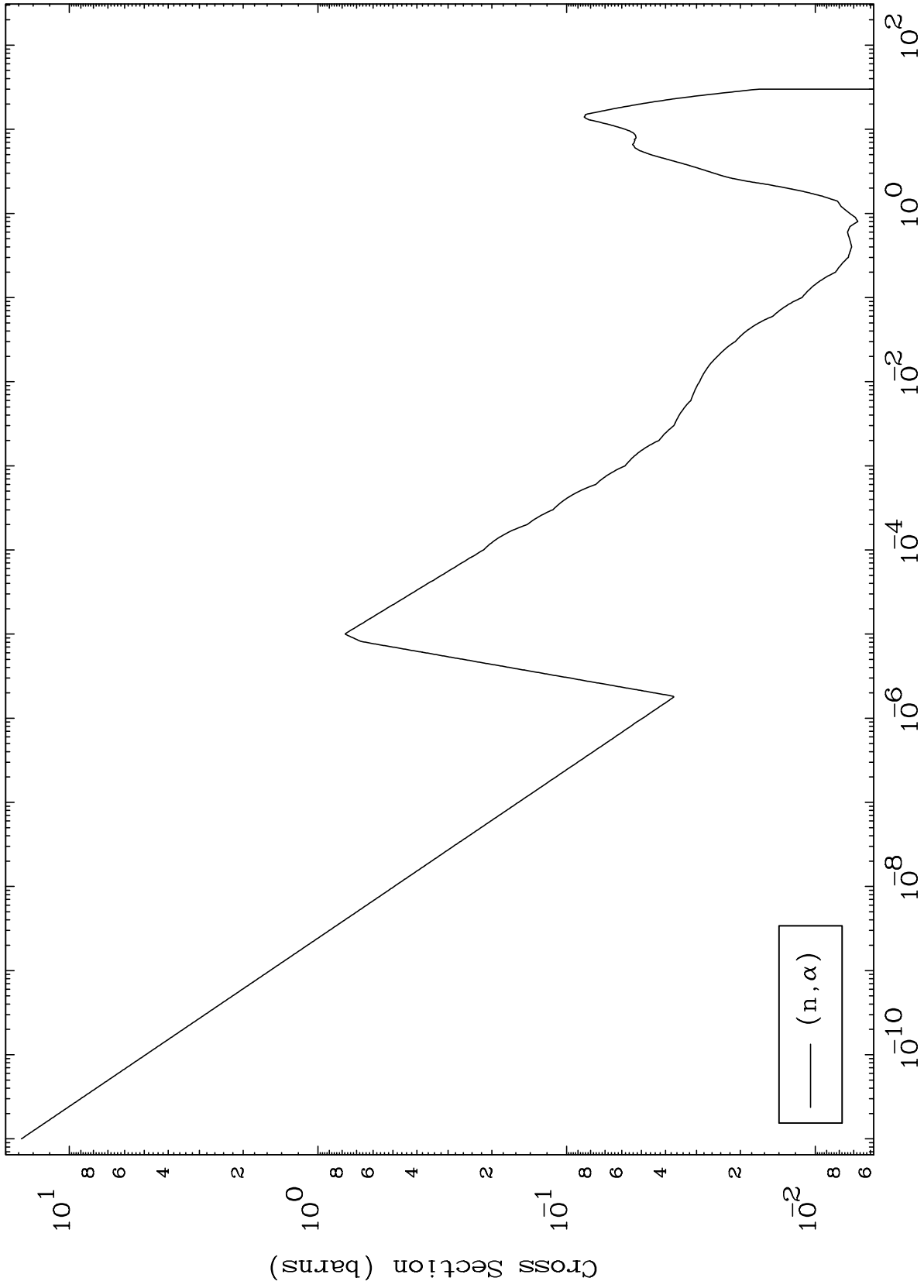
Incident Energy (MeV)

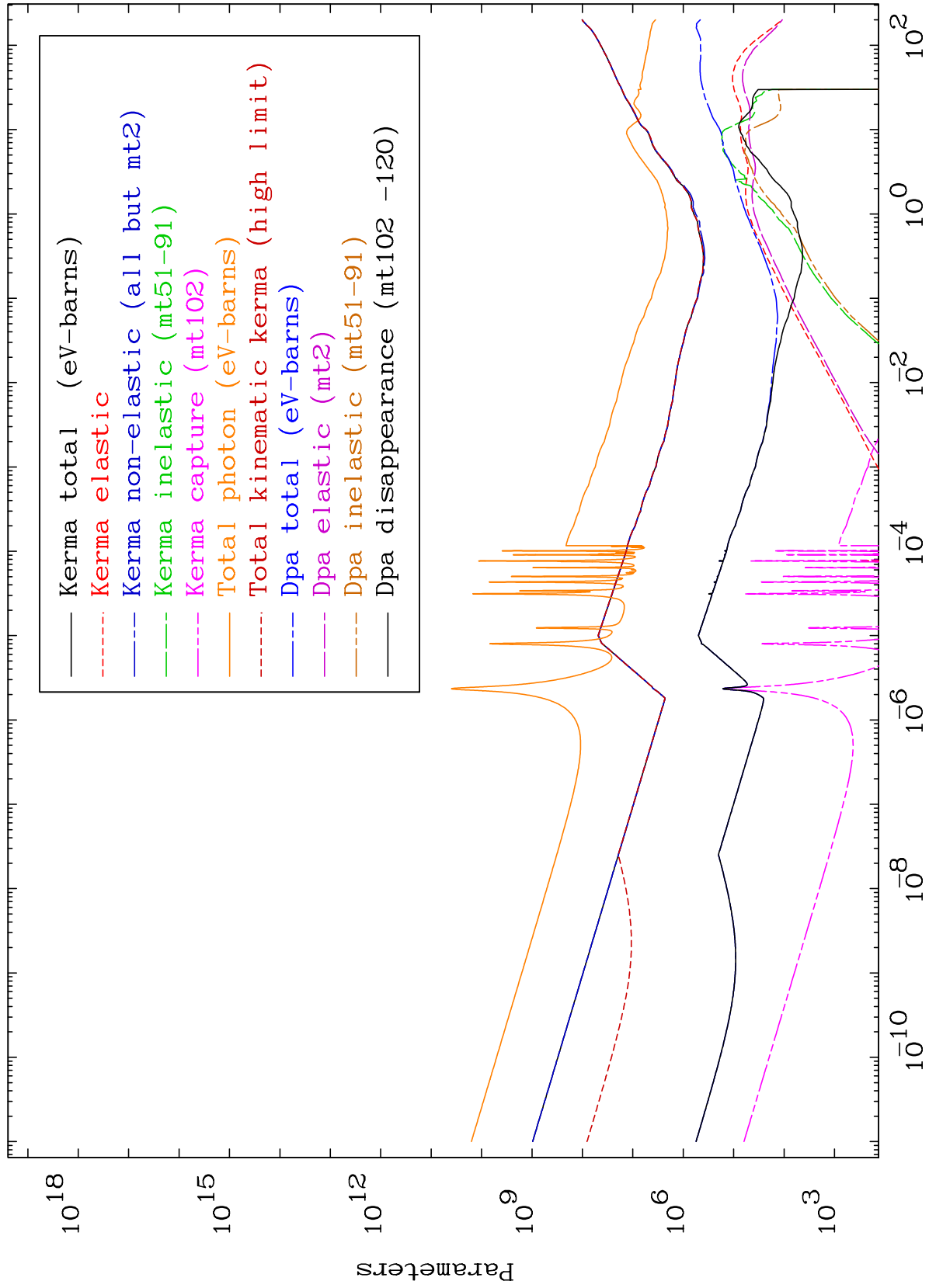
50-Sn-109

MAT 5016

(n,α) Levels
293 Kelvin Cross Sections

50-Sn-109

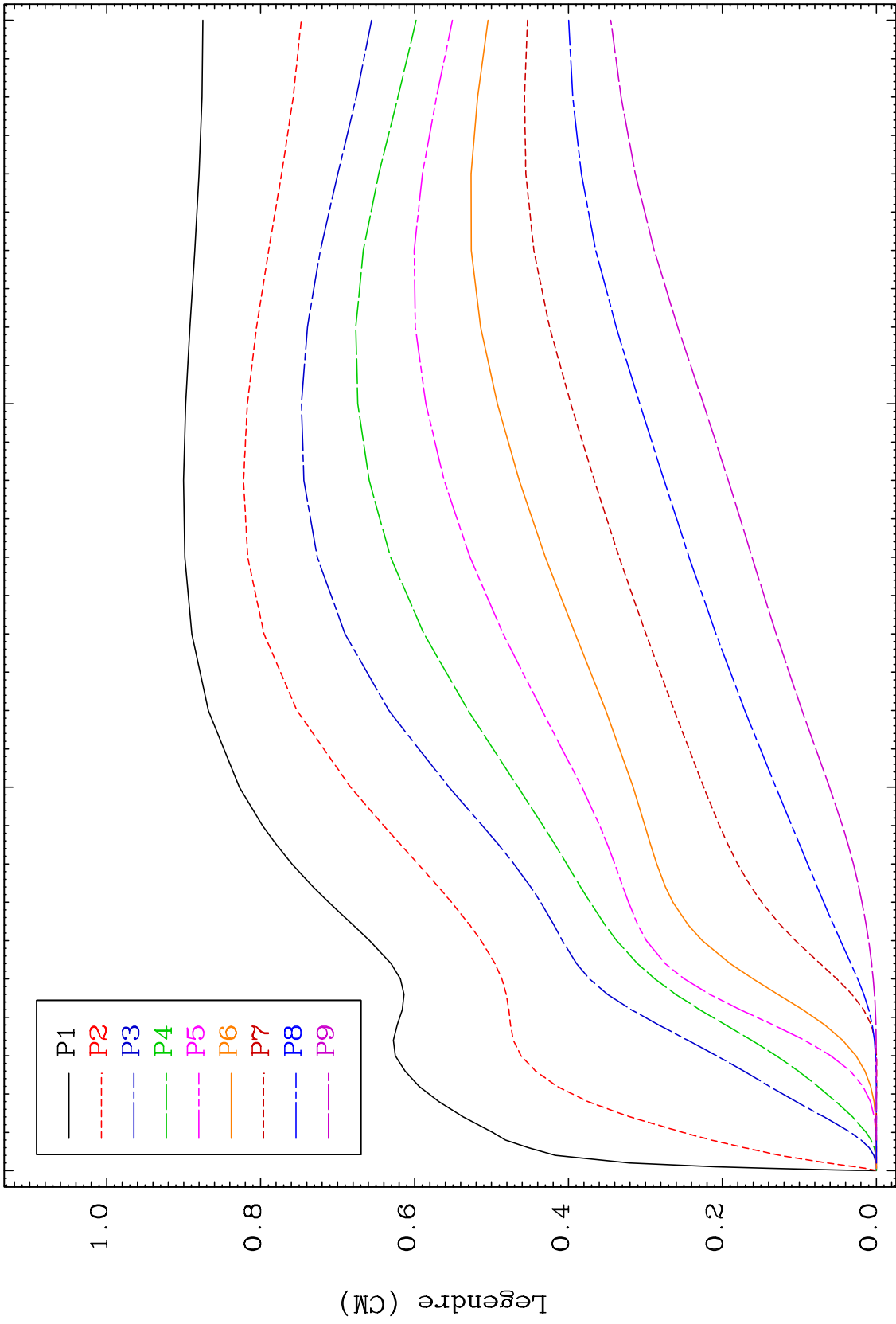




MAT 5016

Elastic Legendre Coefficients

50-Sn-109



16

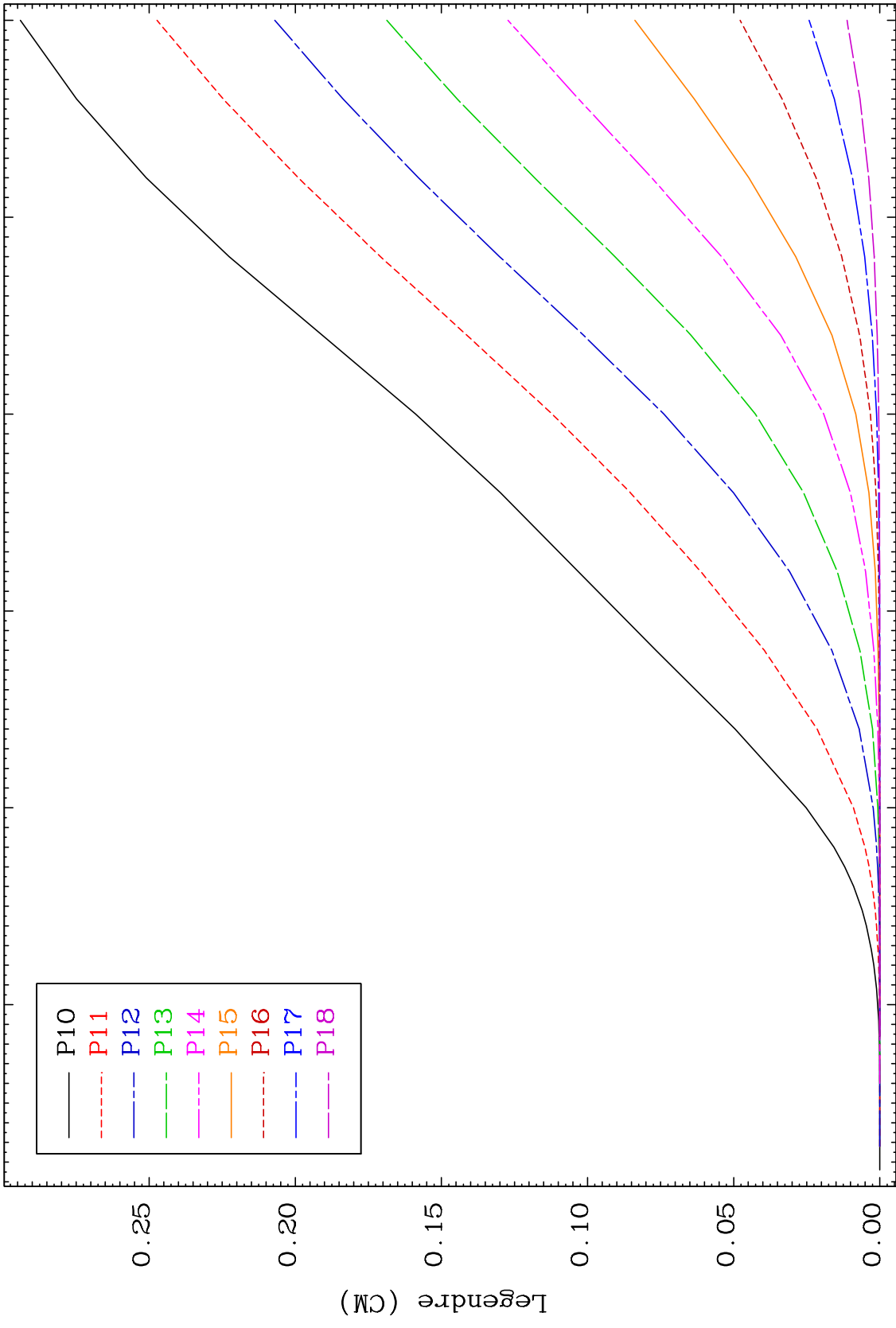
Incident Energy (MeV)

50-Sn-109

MAT 5016

Elastic Legendre Coefficients

50-Sn-109



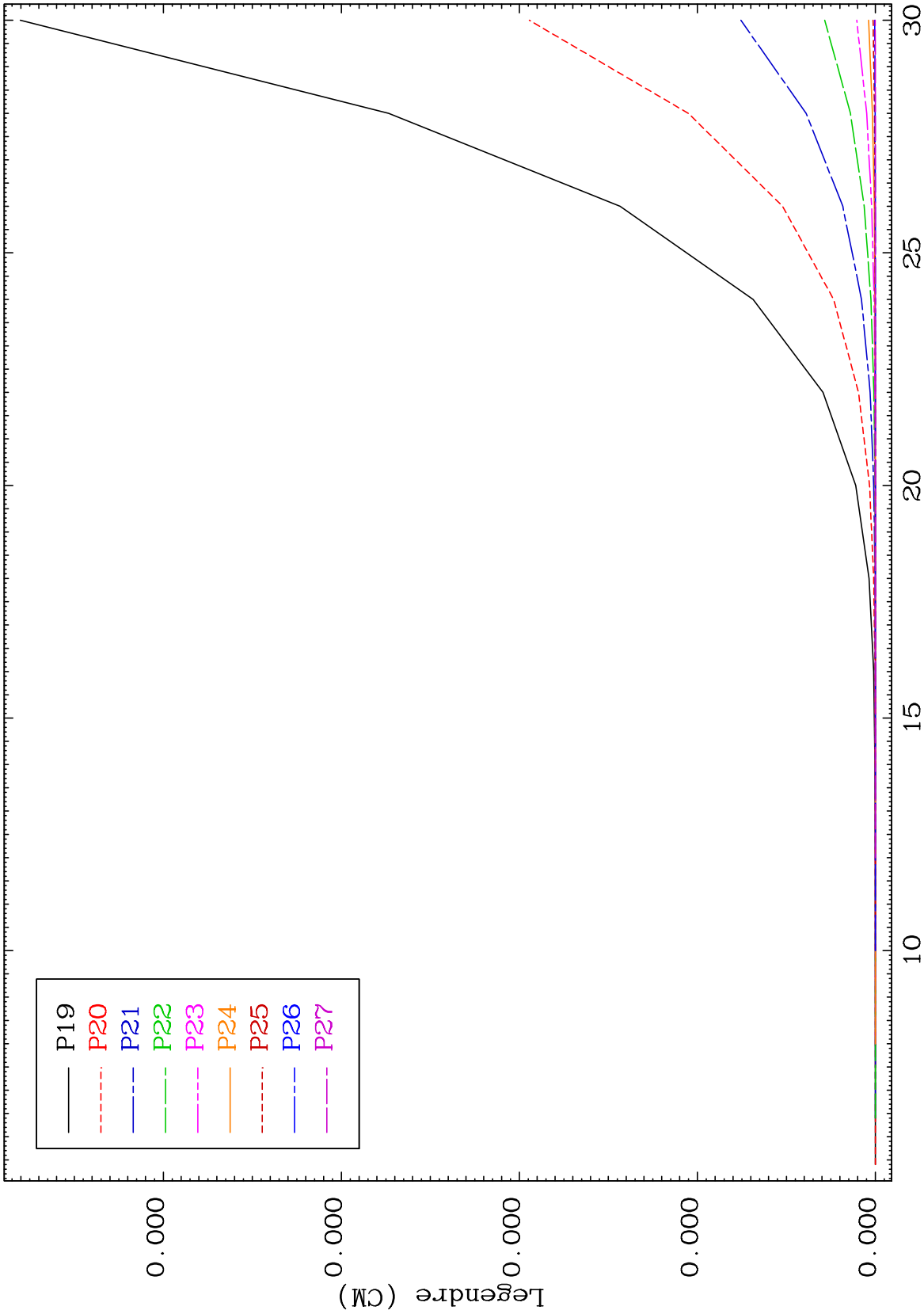
17

50-Sn-109

MAT 5016

Elastic Legendre Coefficients

50-Sn-109



18

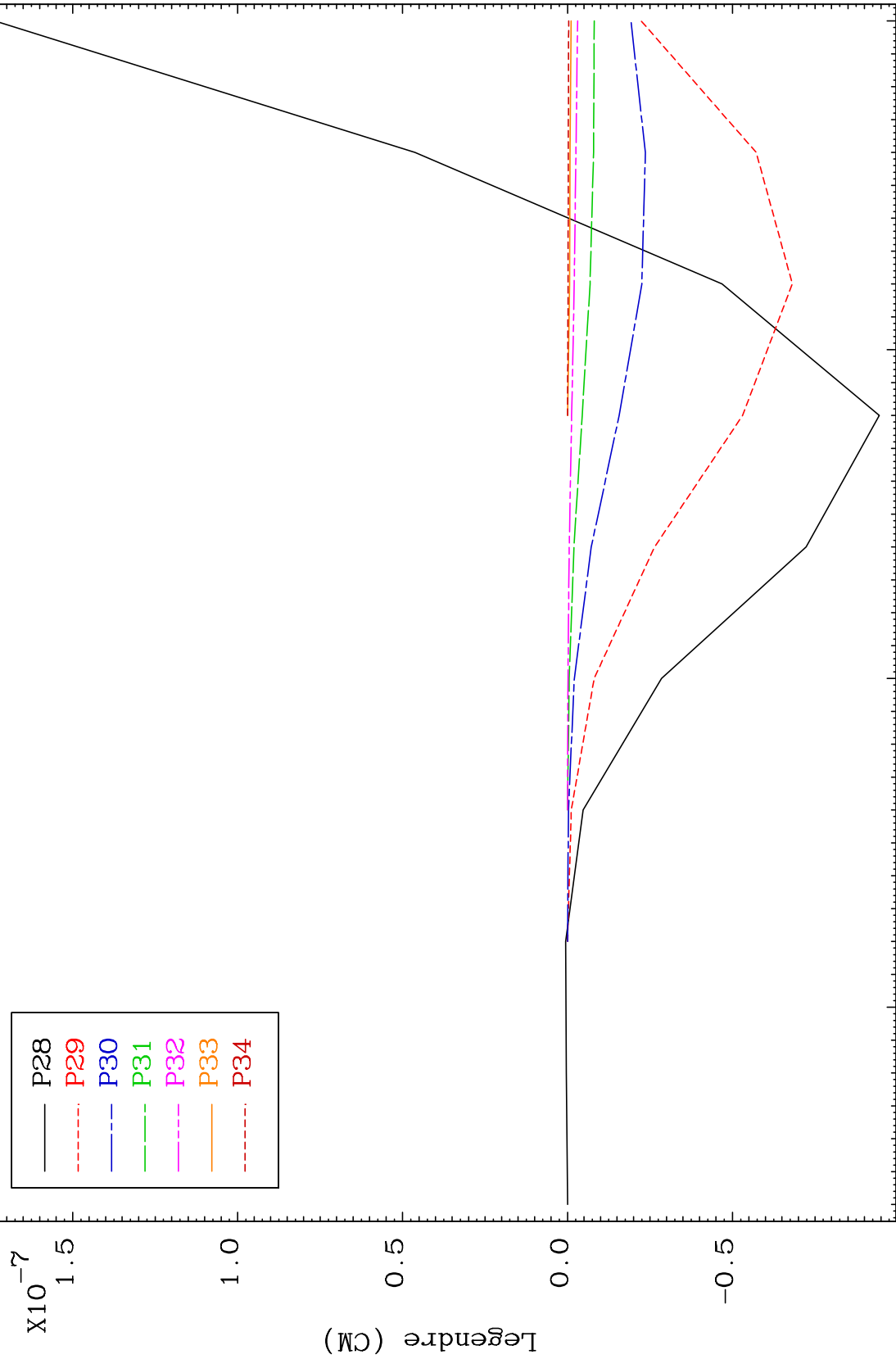
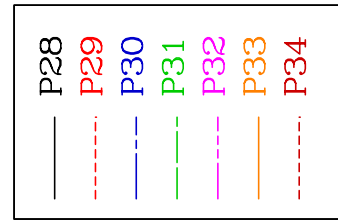
Incident Energy (MeV)

50-Sn-109

MAT 5016

Elastic Legendre Coefficients

50-Sn-109



19

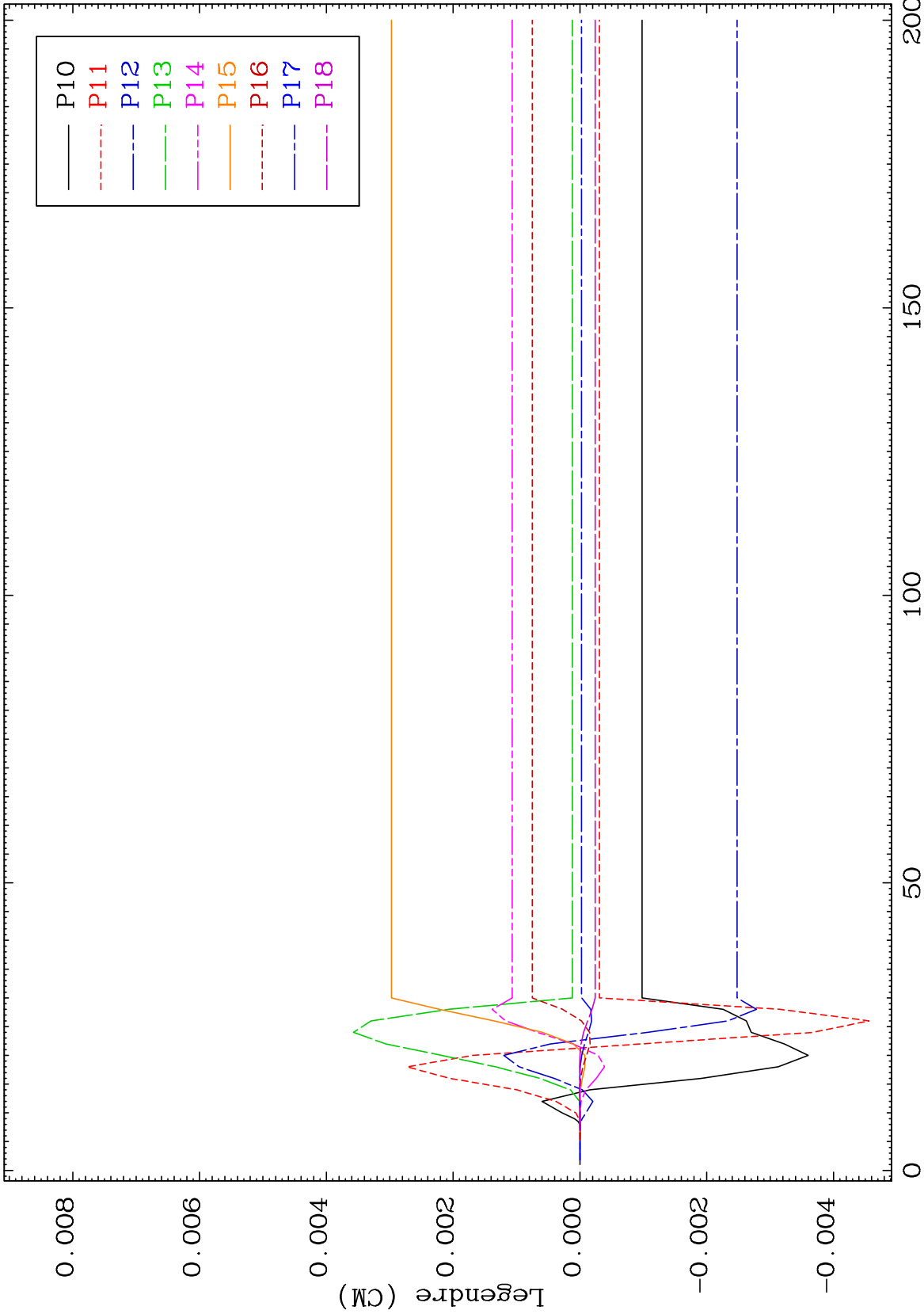
Incident Energy (MeV)

50-Sn-109

MAT 5016

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

50-Sn-109



21

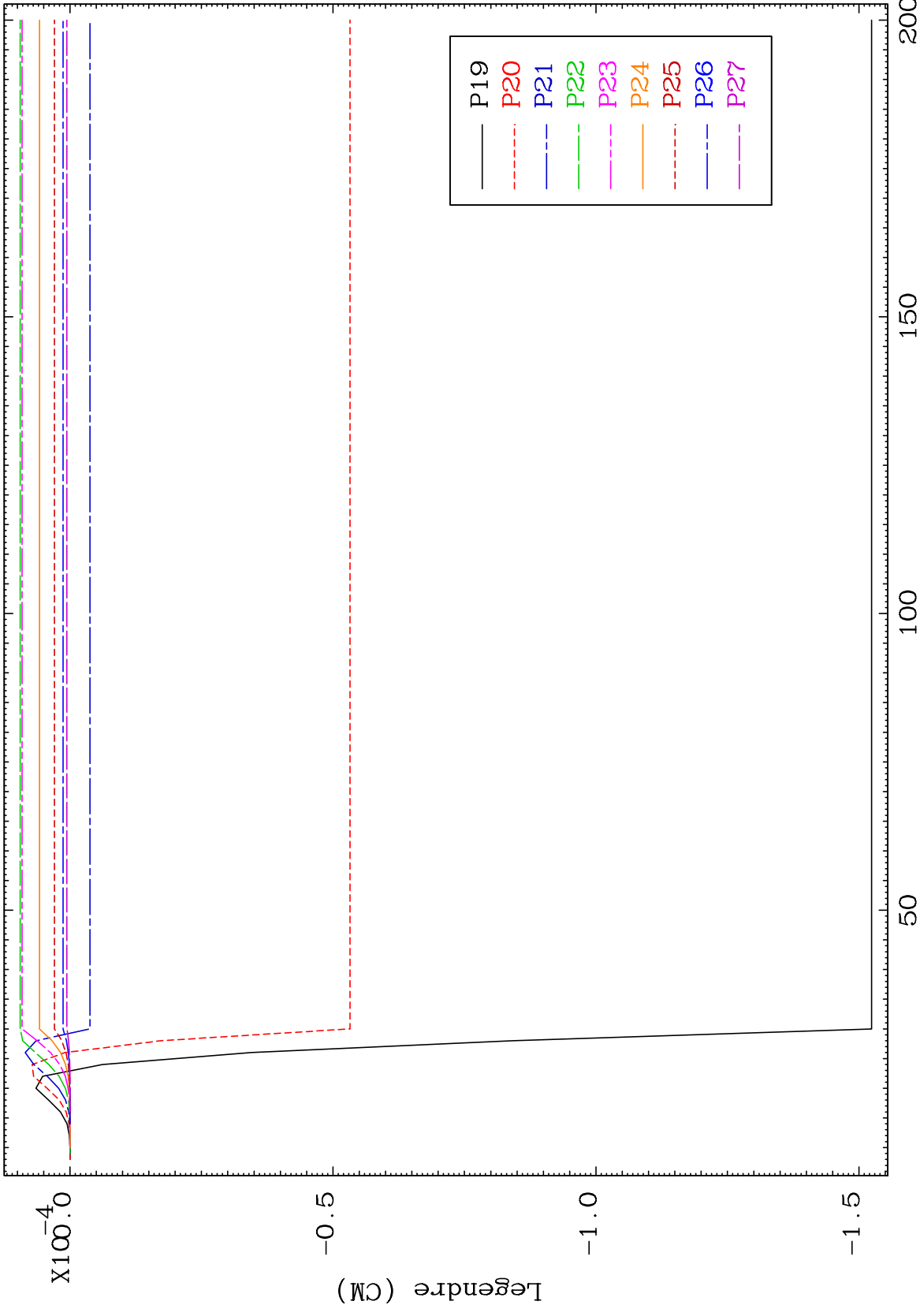
Incident Energy (MeV)

50-Sn-109

MAT 5016

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

50-Sn-109

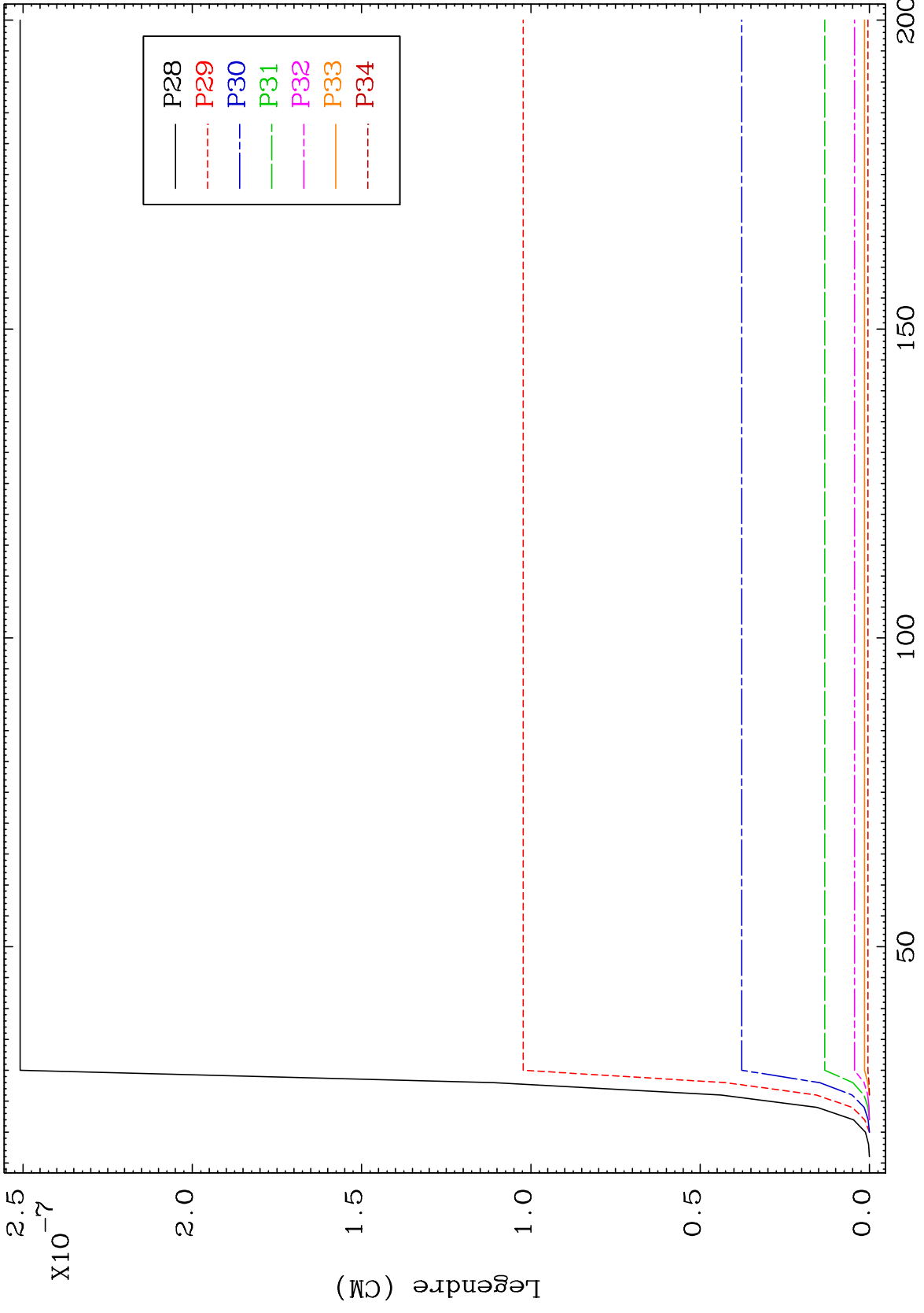


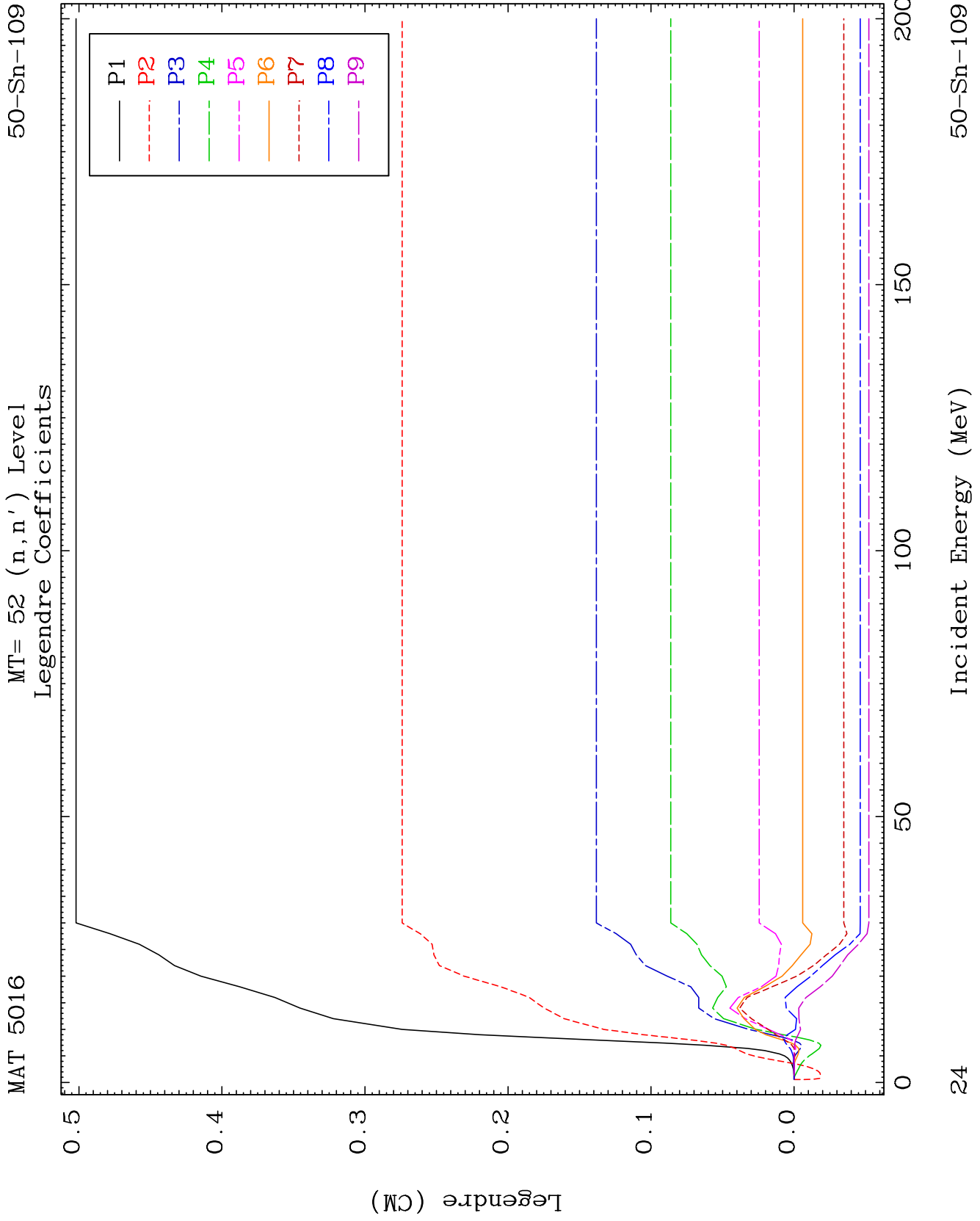
50-Sn-109

Incident Energy (MeV)

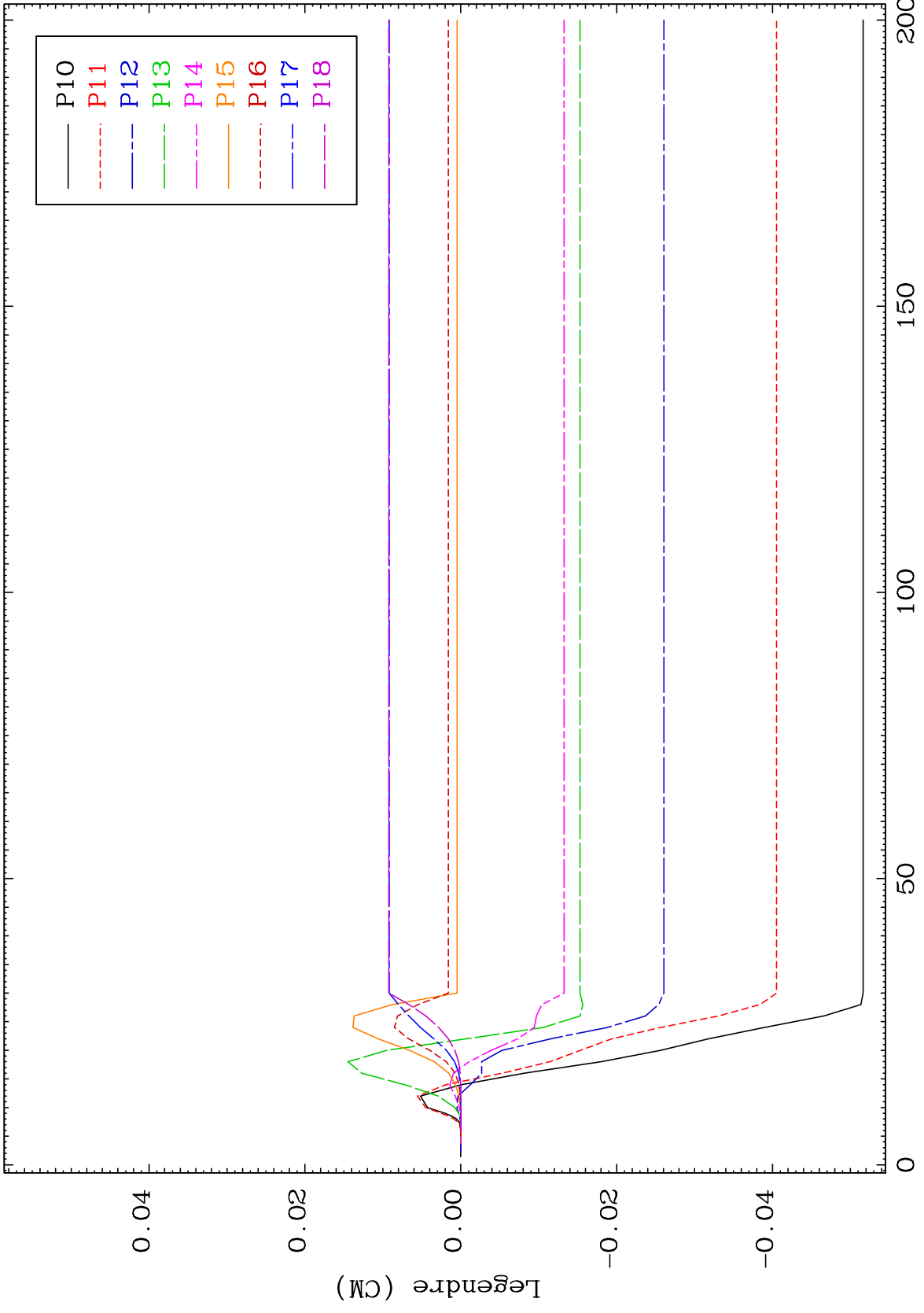
22

MAT 5016 MT= 51 (n,n') Level Legendre Coefficients 50-Sn-109



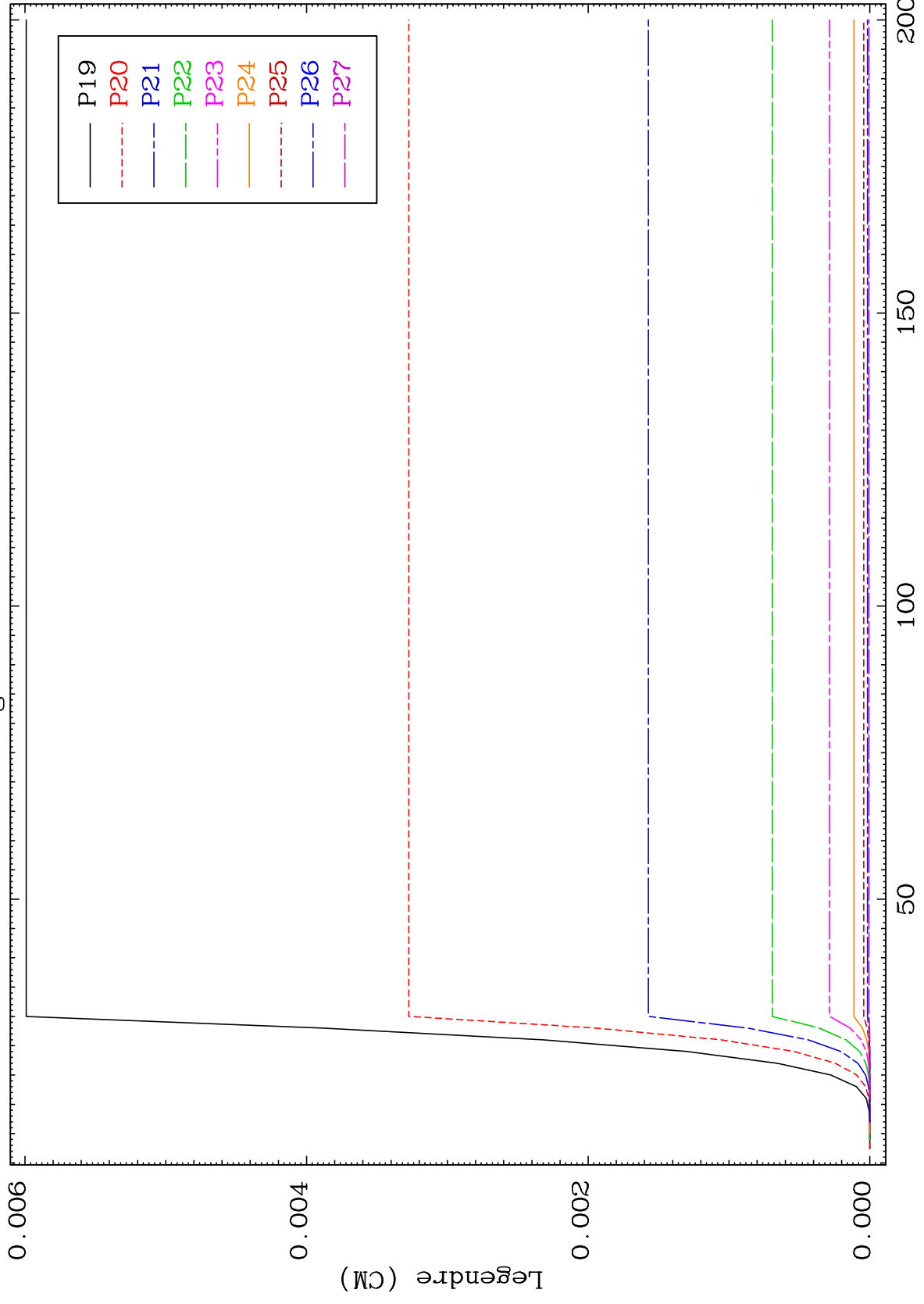


MAT 5016 MT= 52 (n,n') Level Legendre Coefficients 50-Sn-109



25 Incident Energy (MeV) 50-Sn-109

MAT 5016 MT= 52 (n,n') Level Legendre Coefficients 50-Sn-109

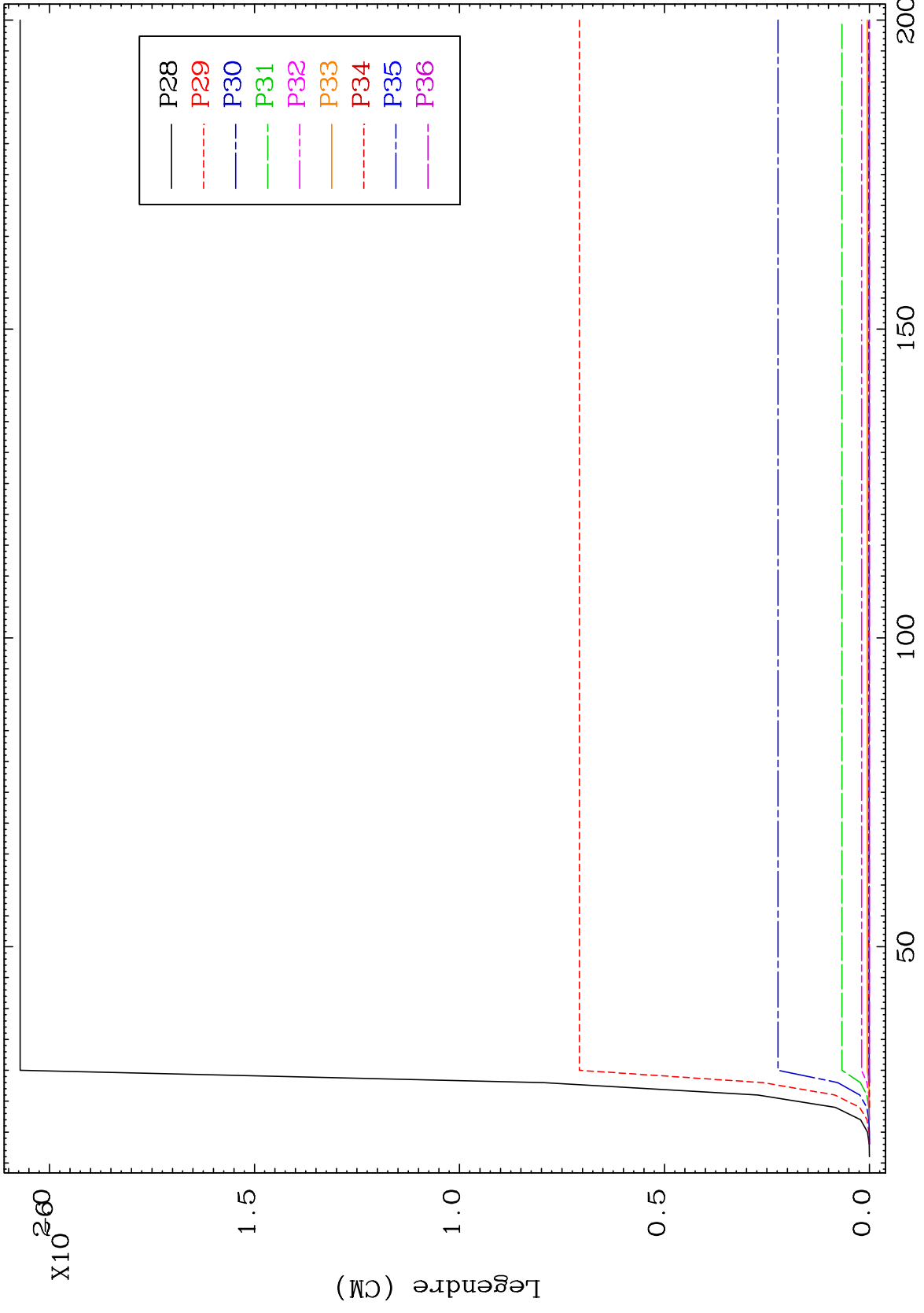


26

Incident Energy (MeV)

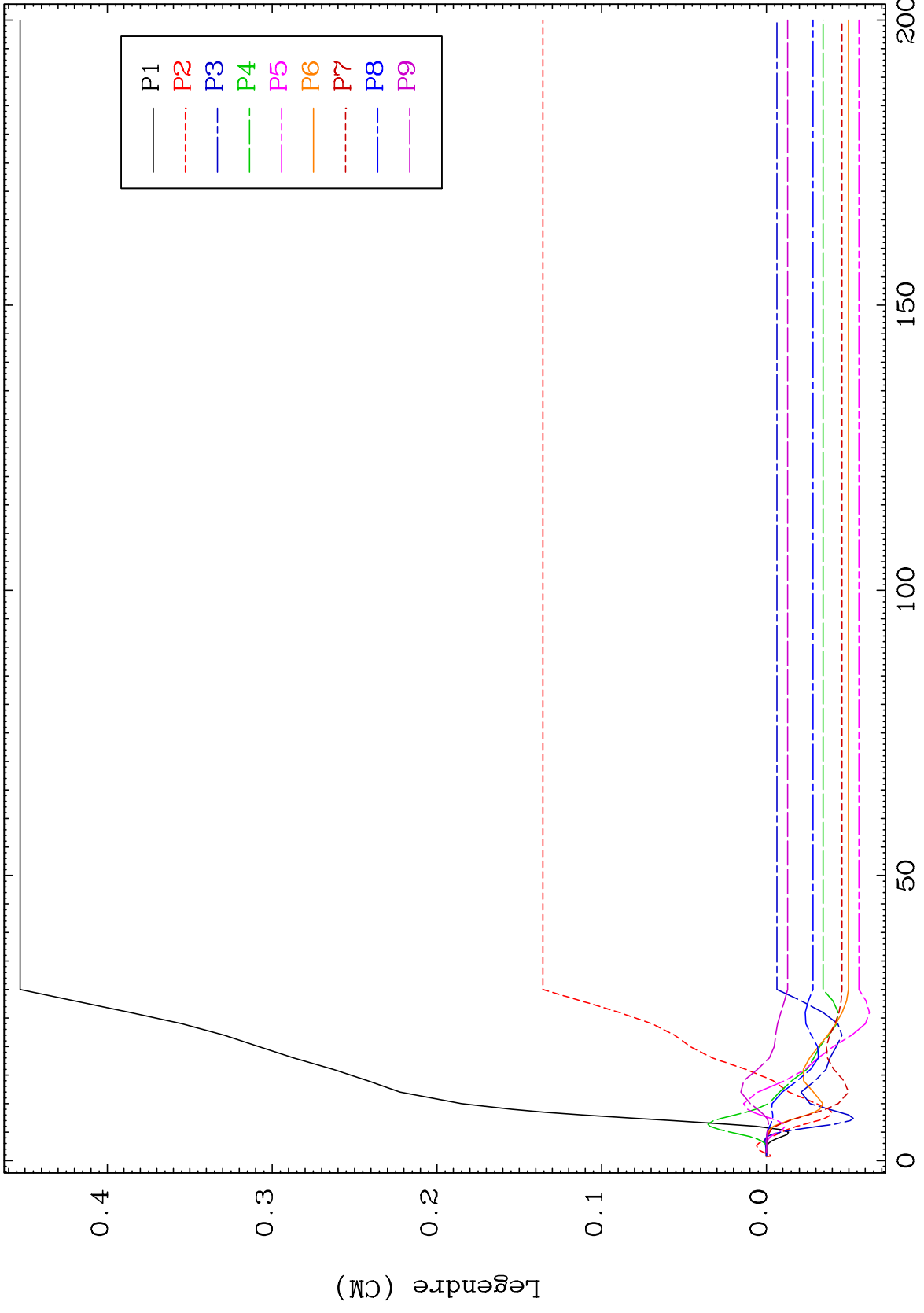
50-Sn-109

MAT 5016 MT= 52 (n,n') Level Legendre Coefficients 50-Sn-109



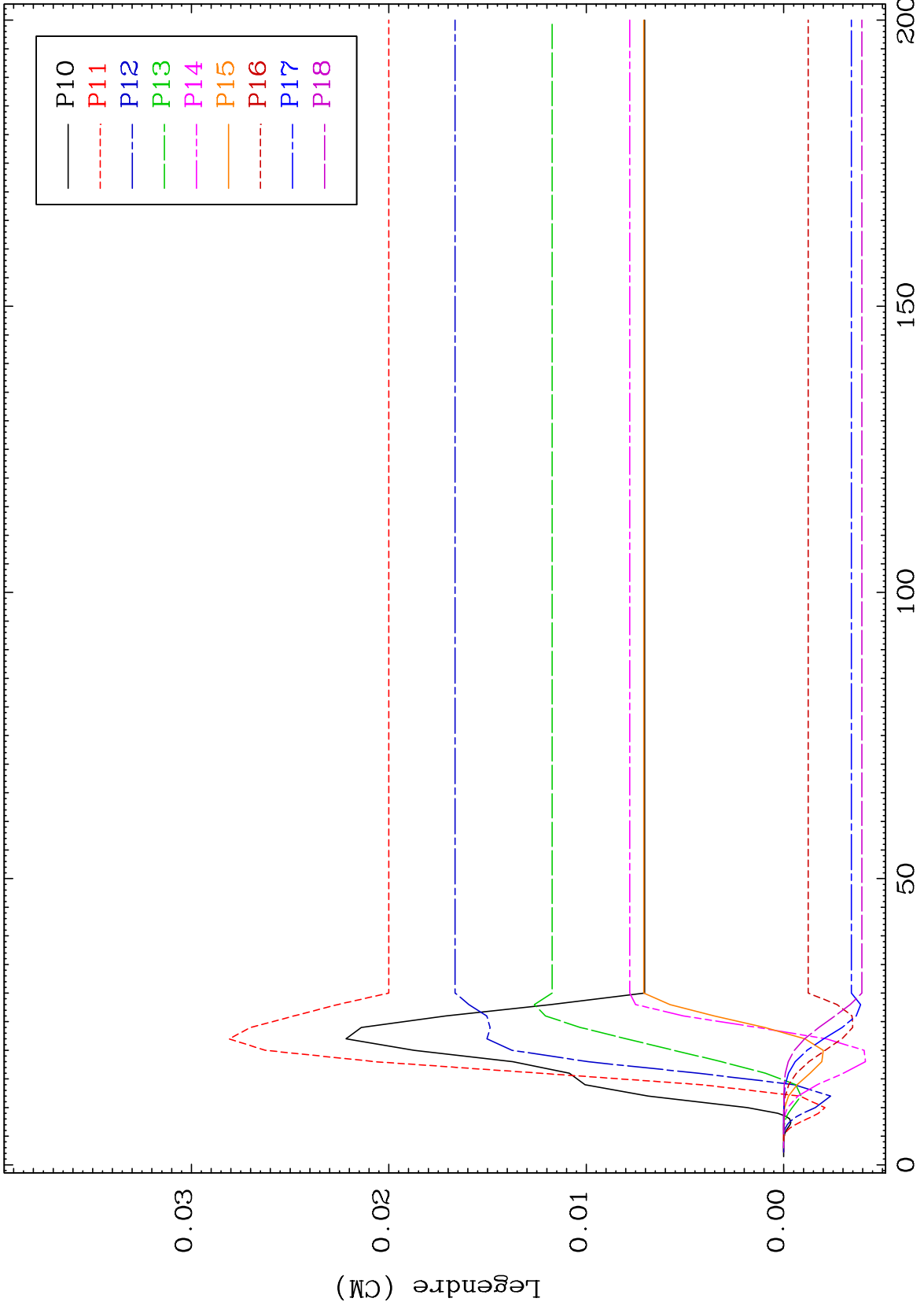
27 50-Sn-109

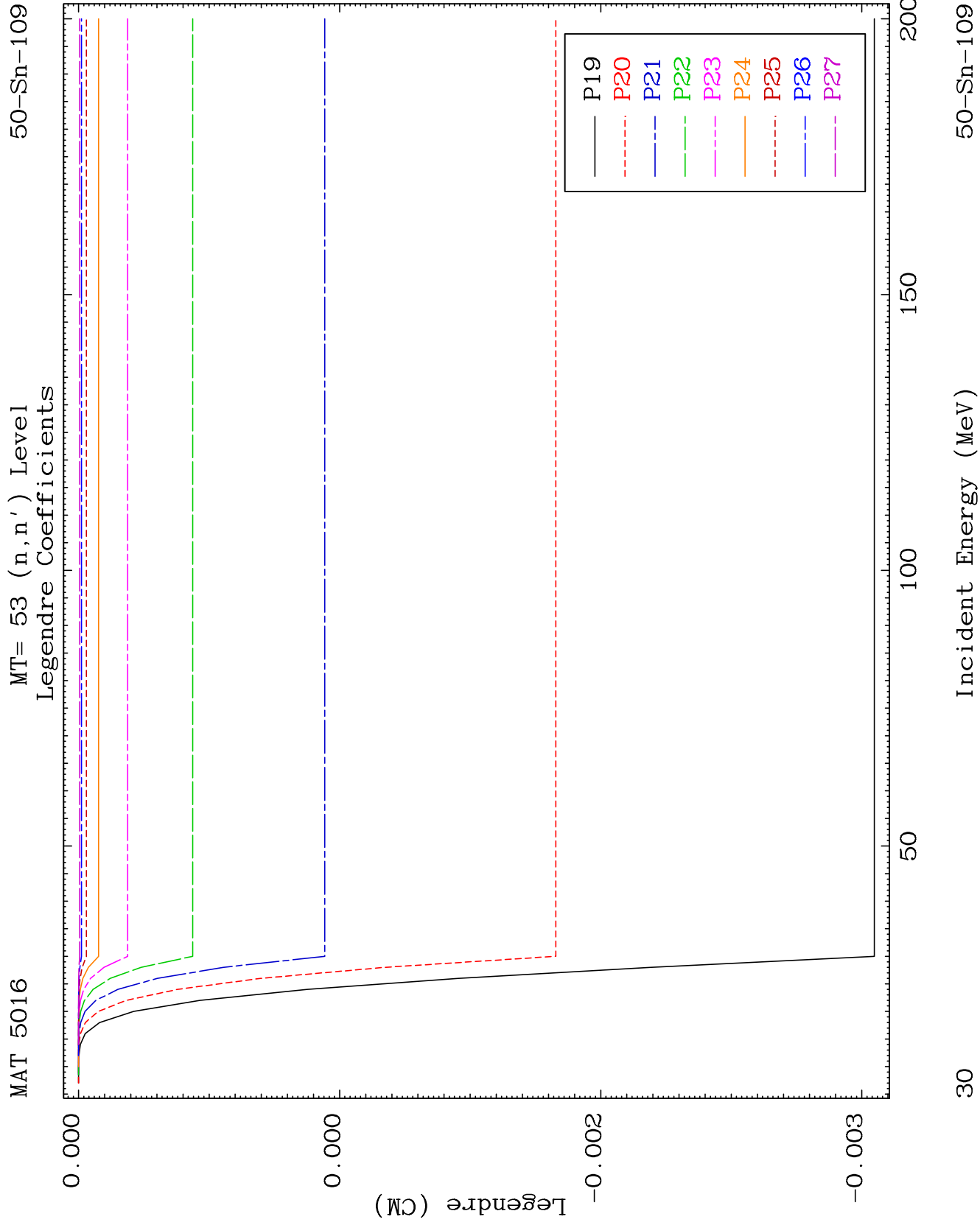
MAT 5016 MT= 53 (n,n') Level Legendre Coefficients 50-Sn-109

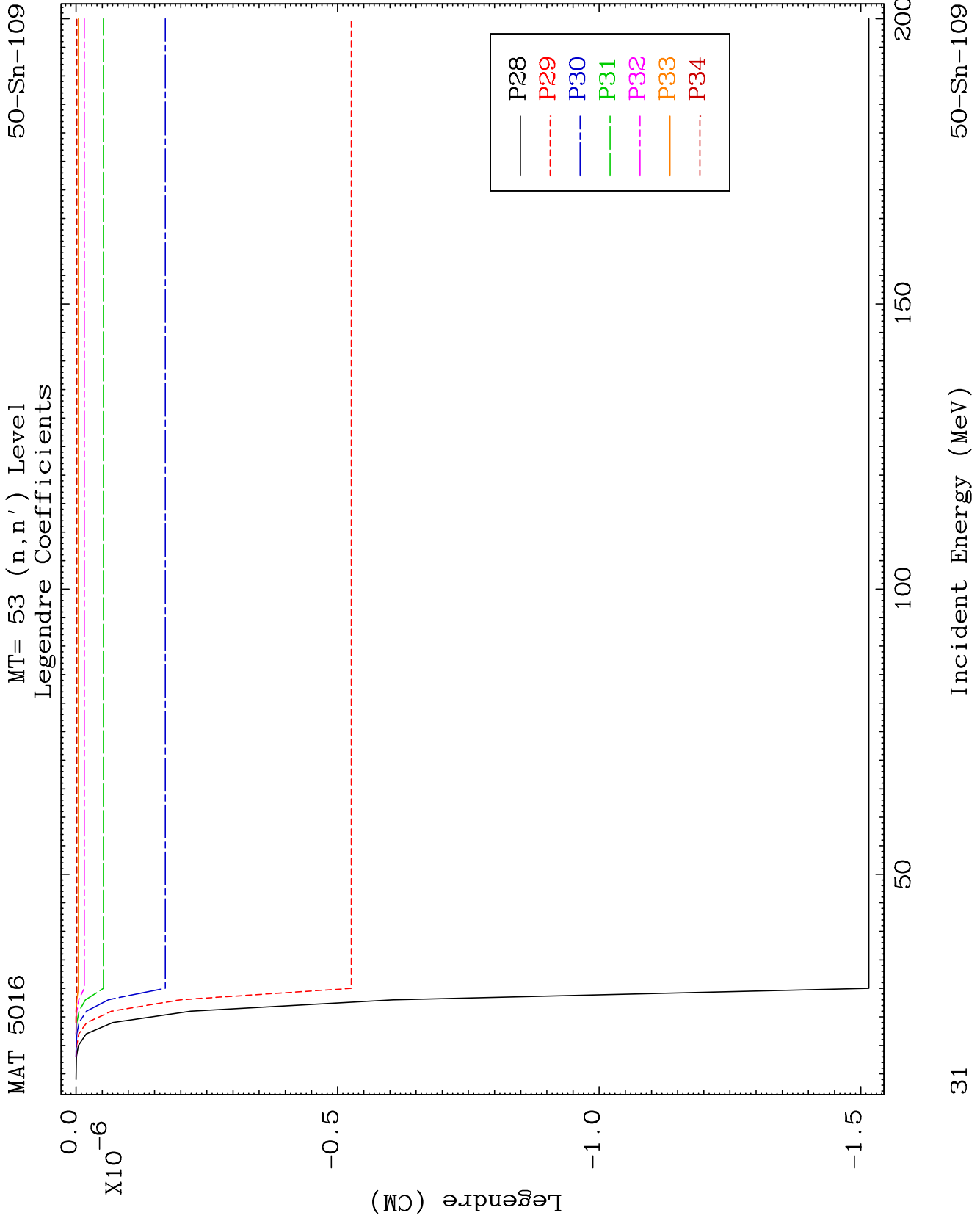


Legendre (CM) Incident Energy (MeV) 50-Sn-109

MAT 5016 MT= 53 (n,n') Level Legendre Coefficients 50-Sn-109



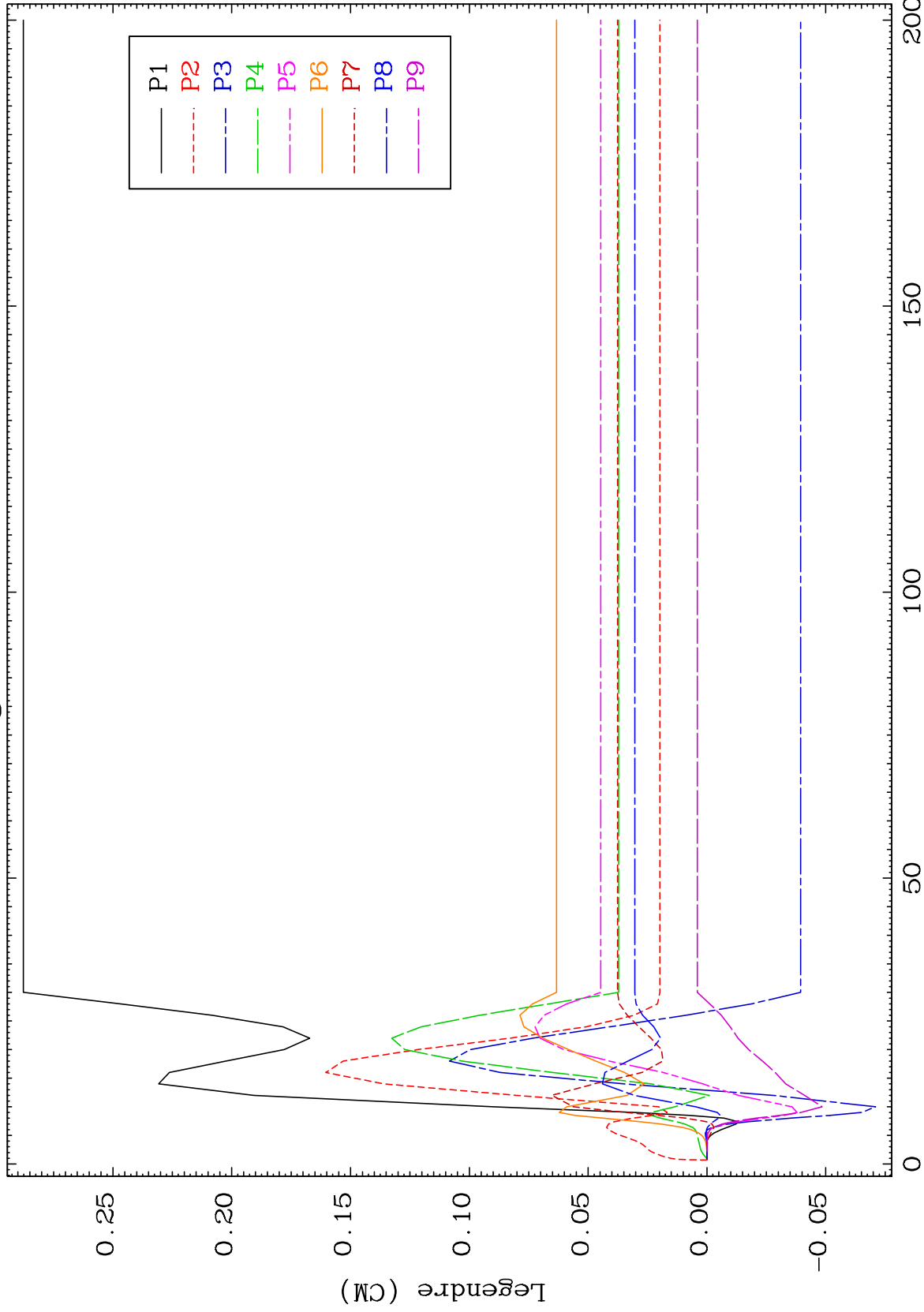




MAT 5016

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

50-Sn-109

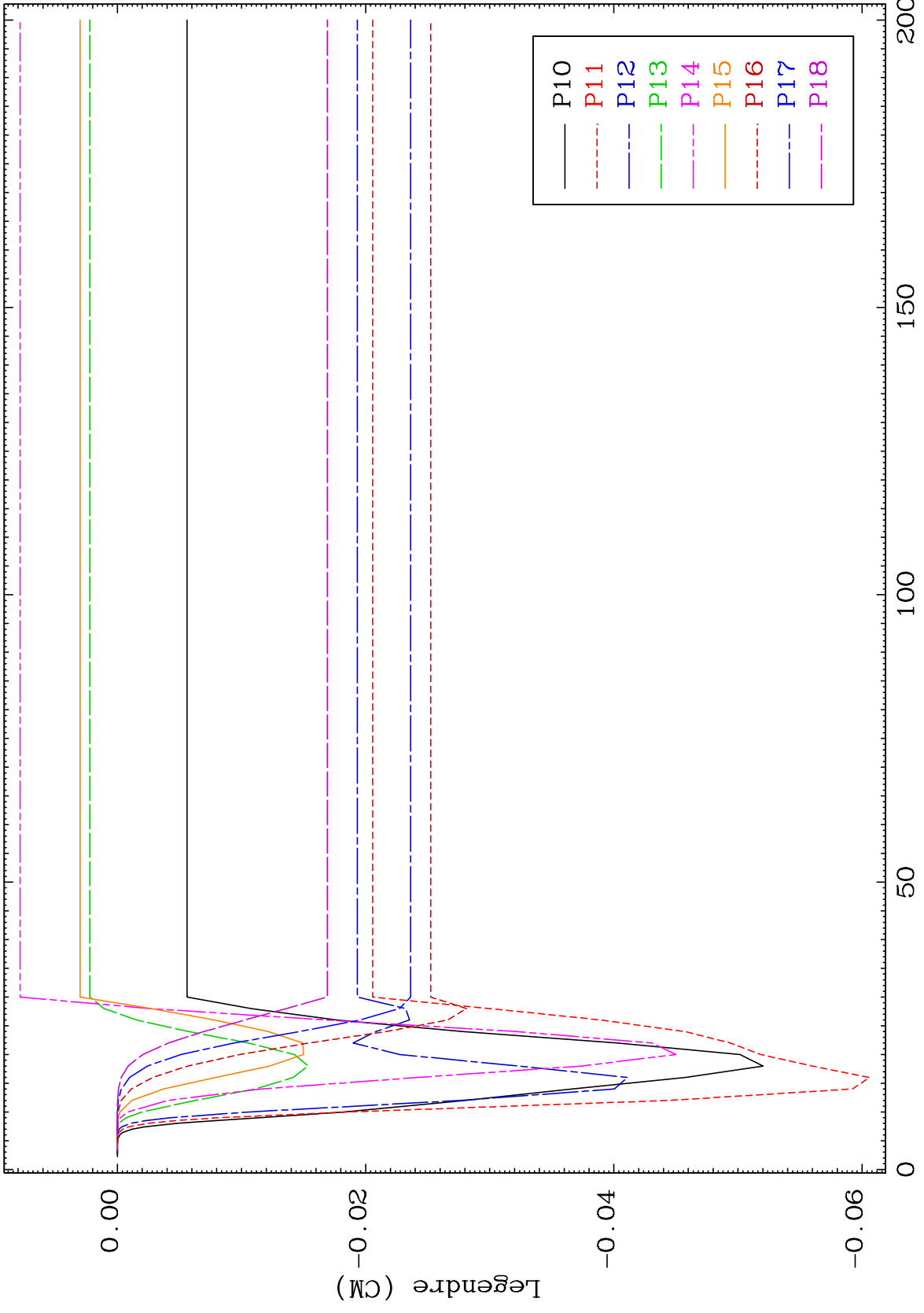


32

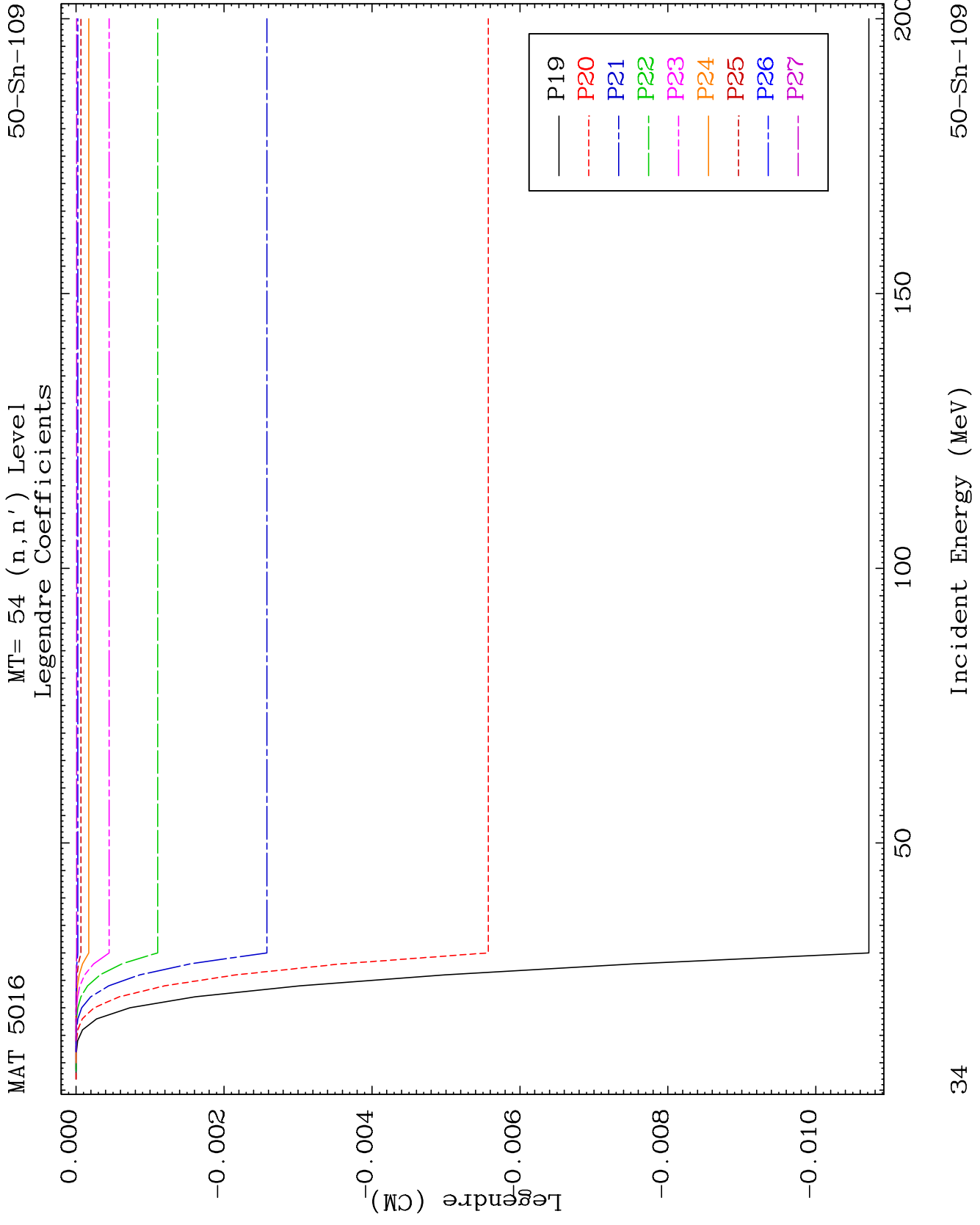
Incident Energy (MeV)

50-Sn-109

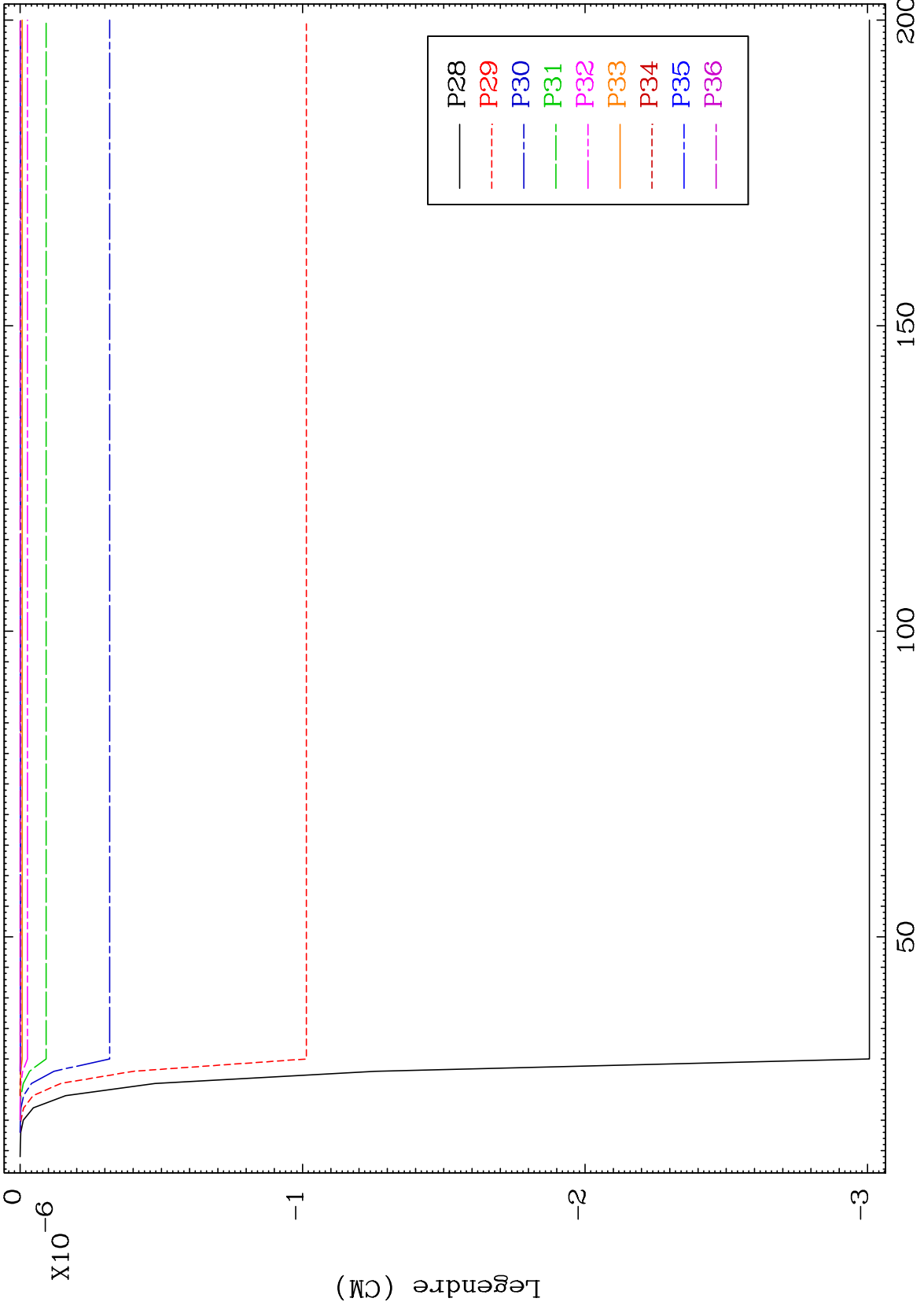
MAT 5016 MT= 54 (n,n') Level Legendre Coefficients 50-Sn-109



33 50-Sn-109

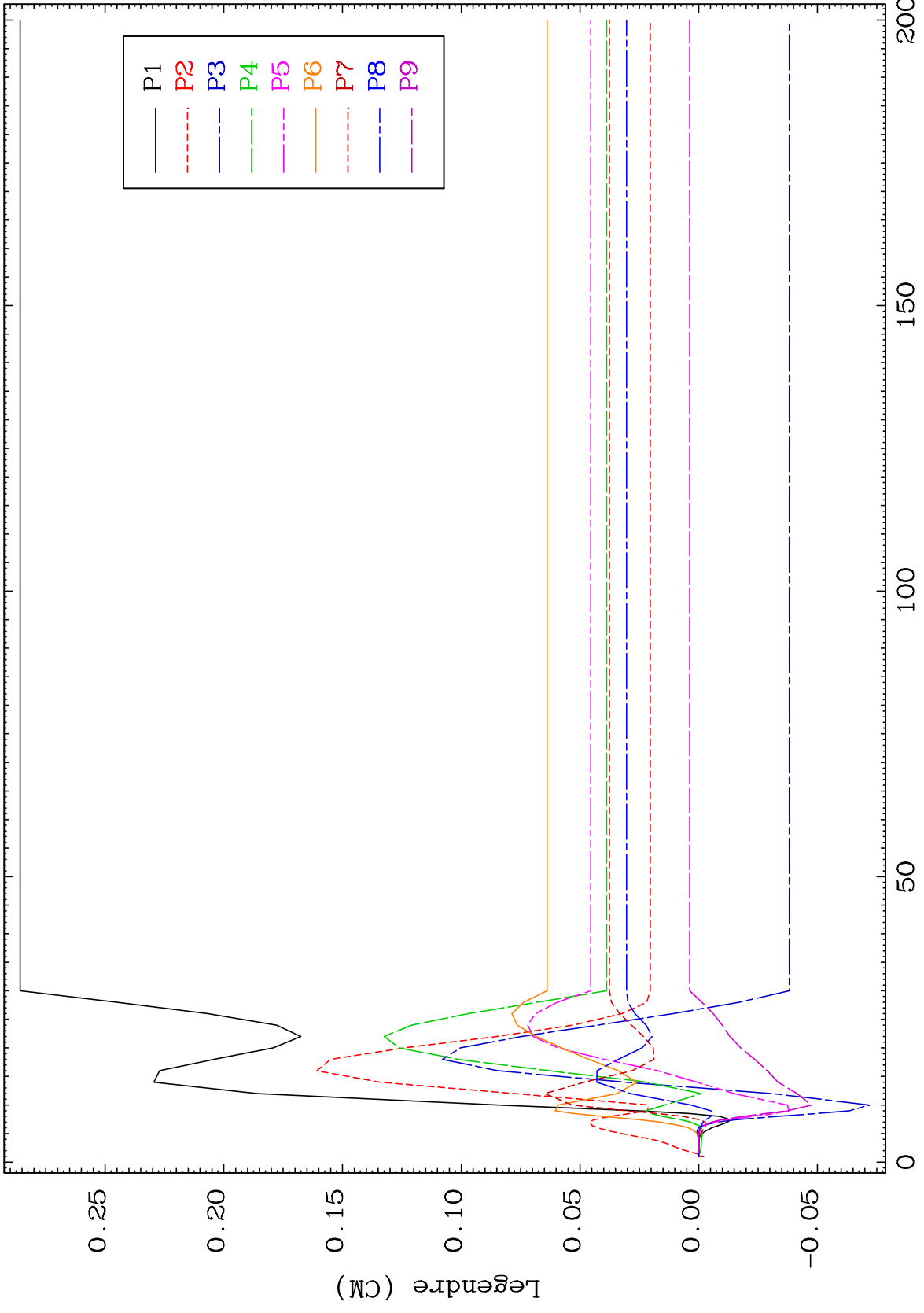


MAT 5016 MT= 54 (n,n') Level Legendre Coefficients 50-Sn-109



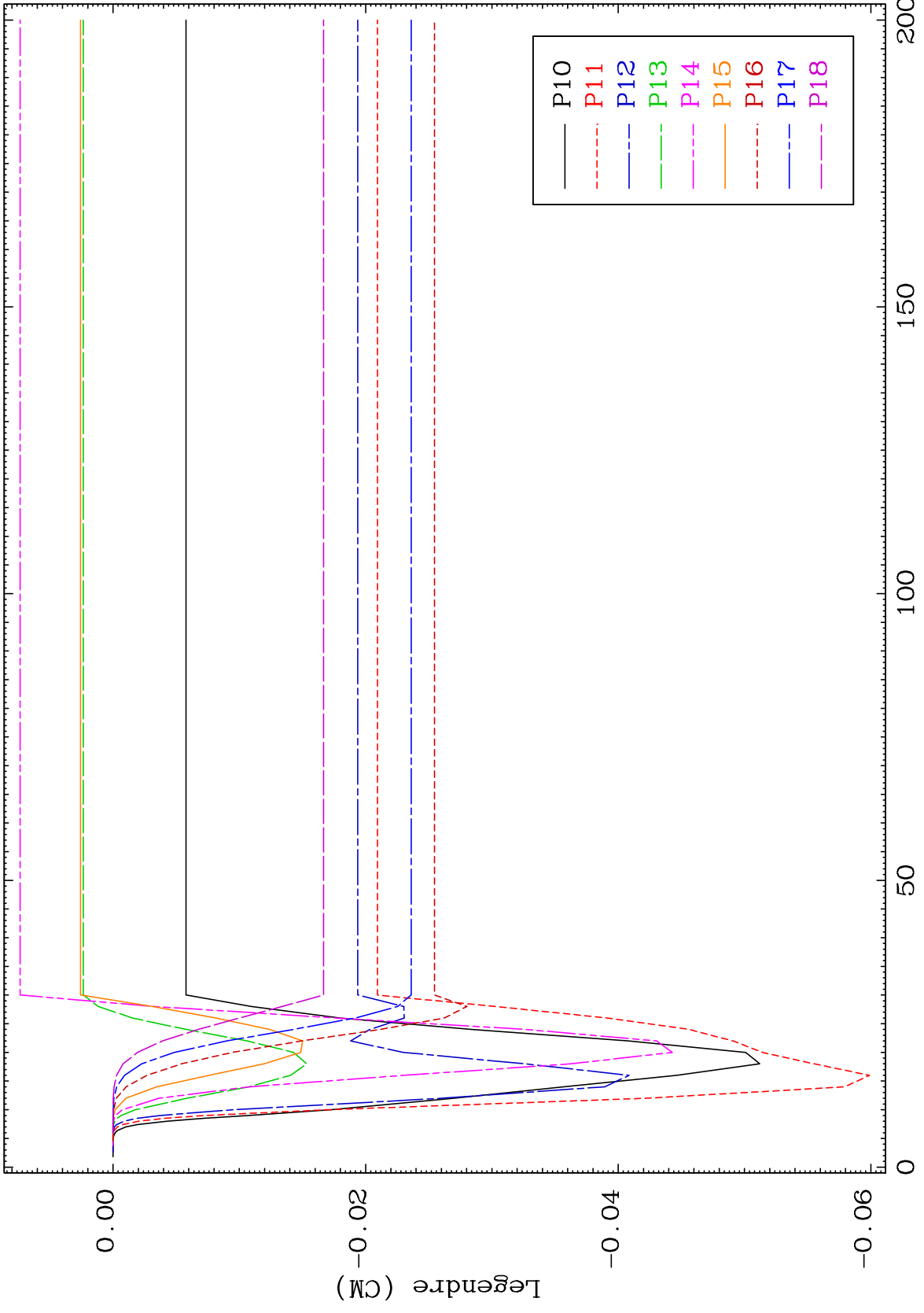
35 50 100 150 200 Incident Energy (MeV) 50-Sn-109

MAT 5016 MT= 55 (n,n') Level Legendre Coefficients 50-Sn-109

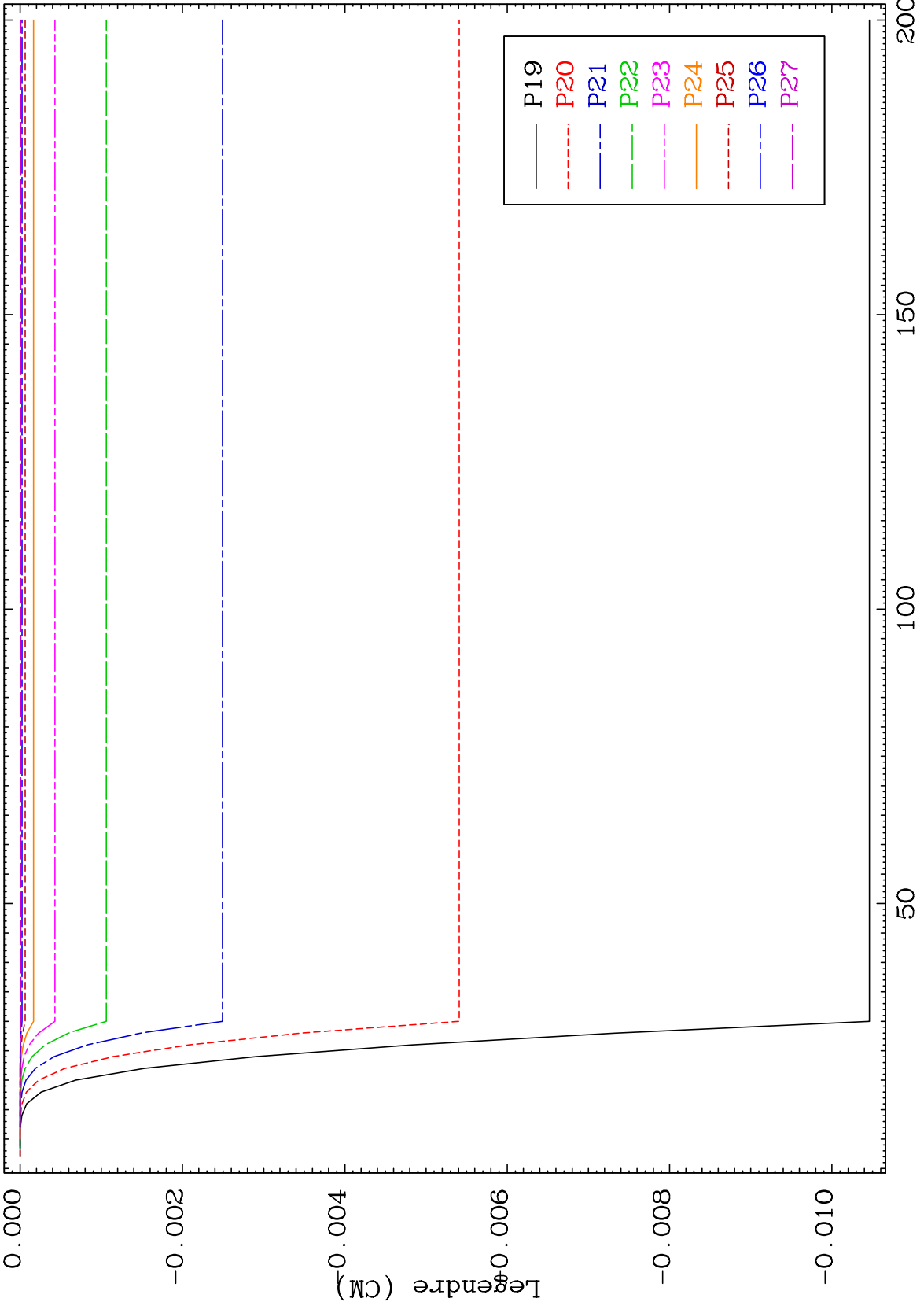


36 50-Sn-109

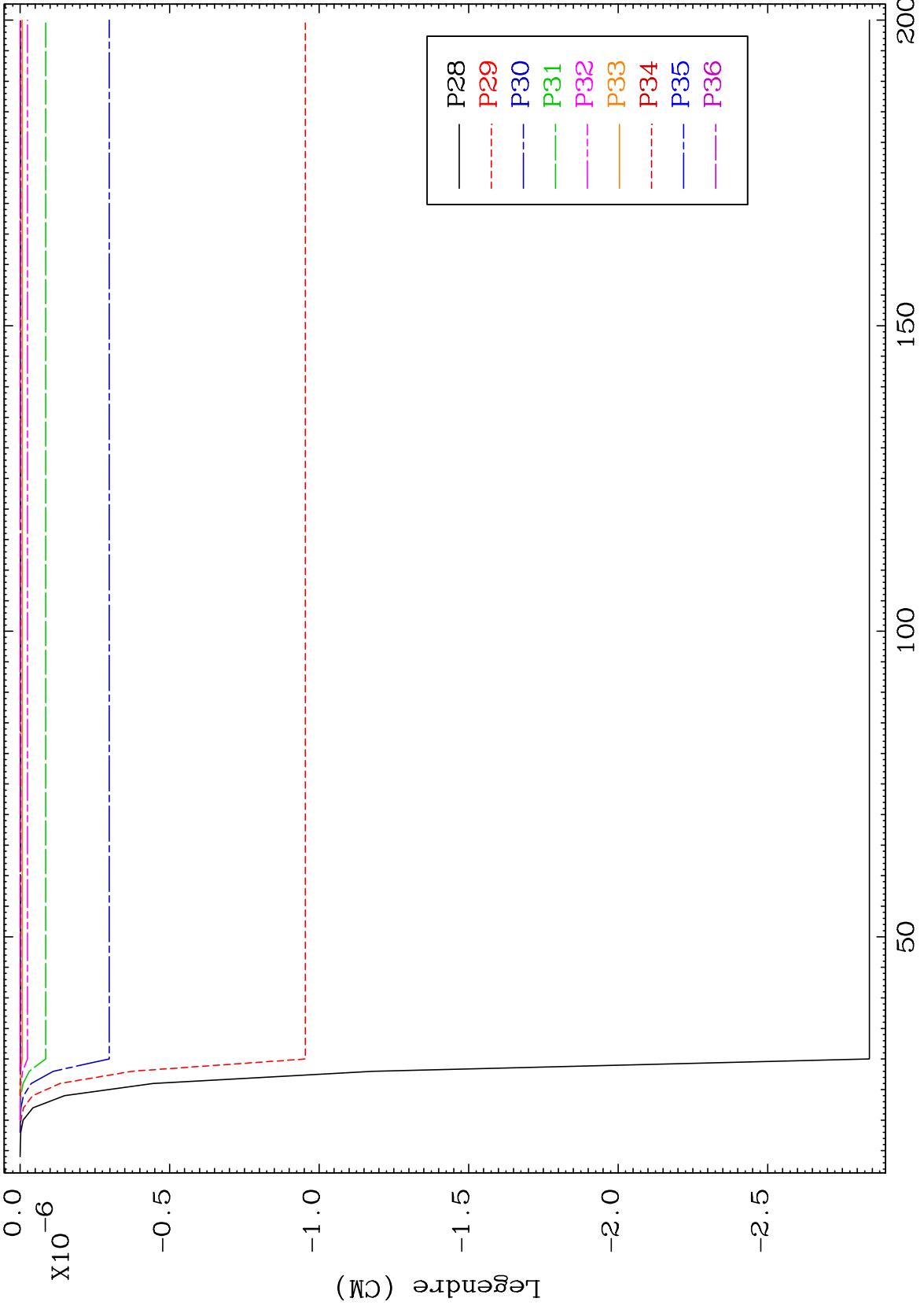
MAT 5016 MT= 55 (n,n') Level Legendre Coefficients 50-Sn-109



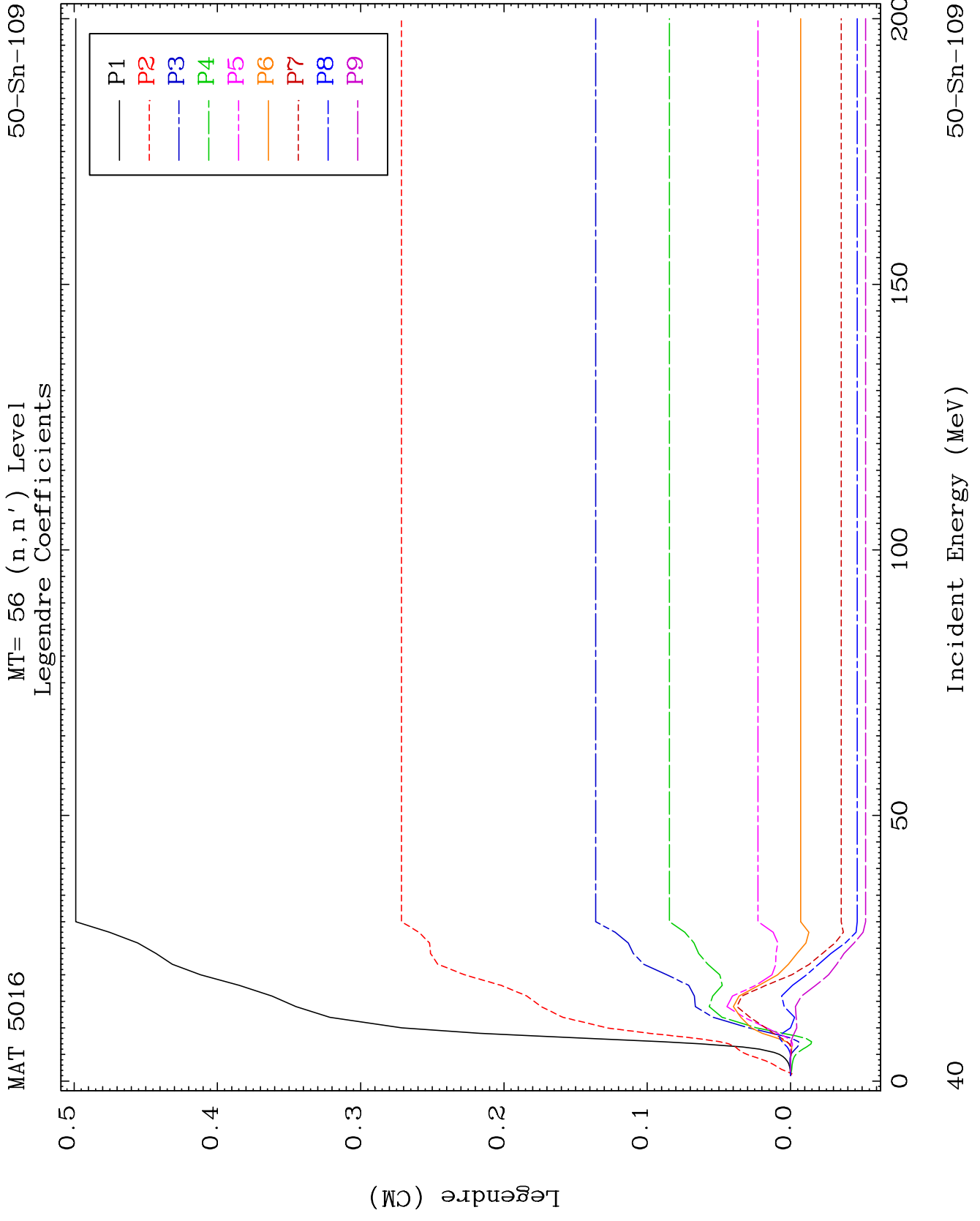
MAT 5016 MT= 55 (n,n') Level Legendre Coefficients 50-Sn-109



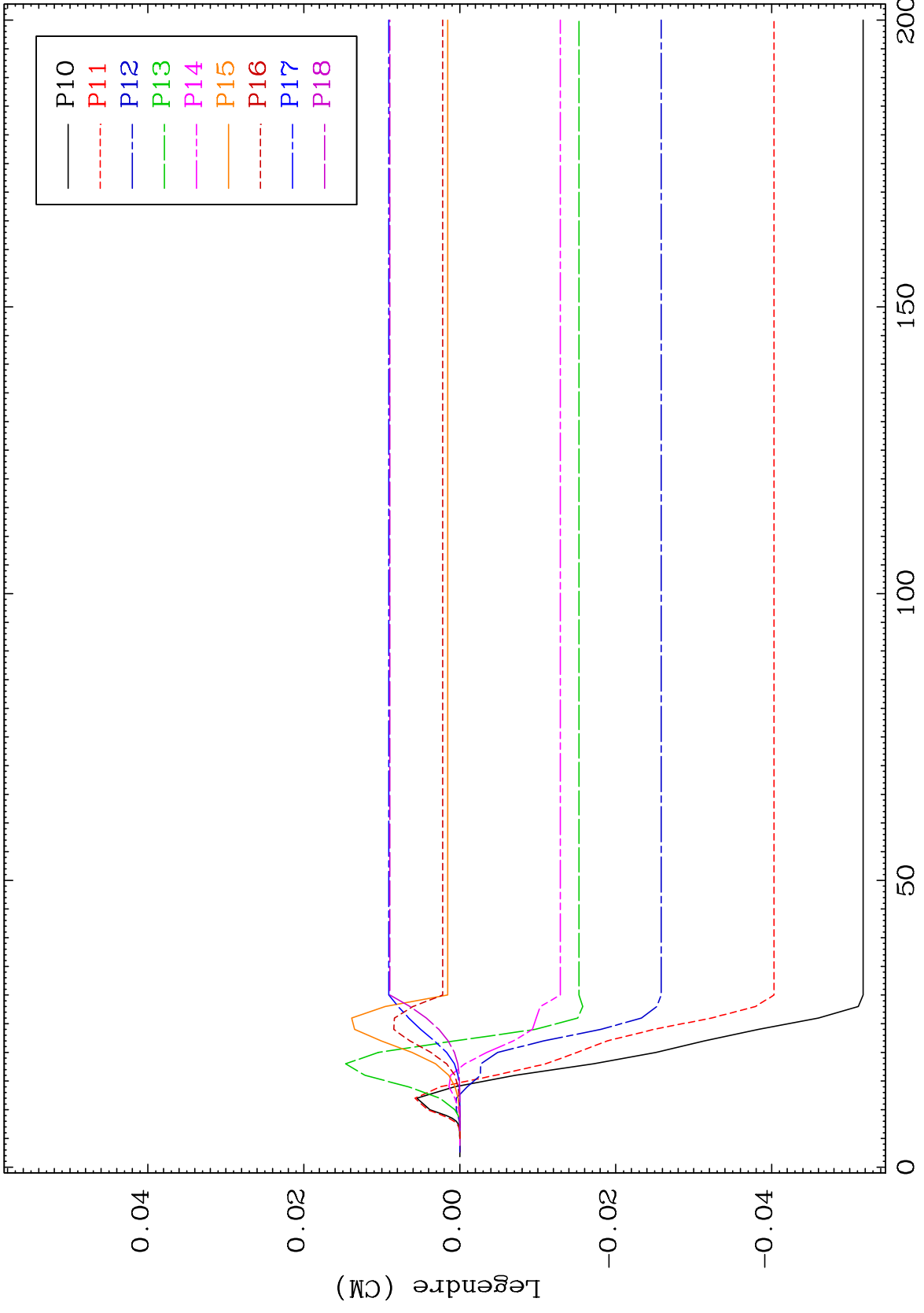
MAT 5016 MT= 55 (n,n') Level Legendre Coefficients 50-Sn-109



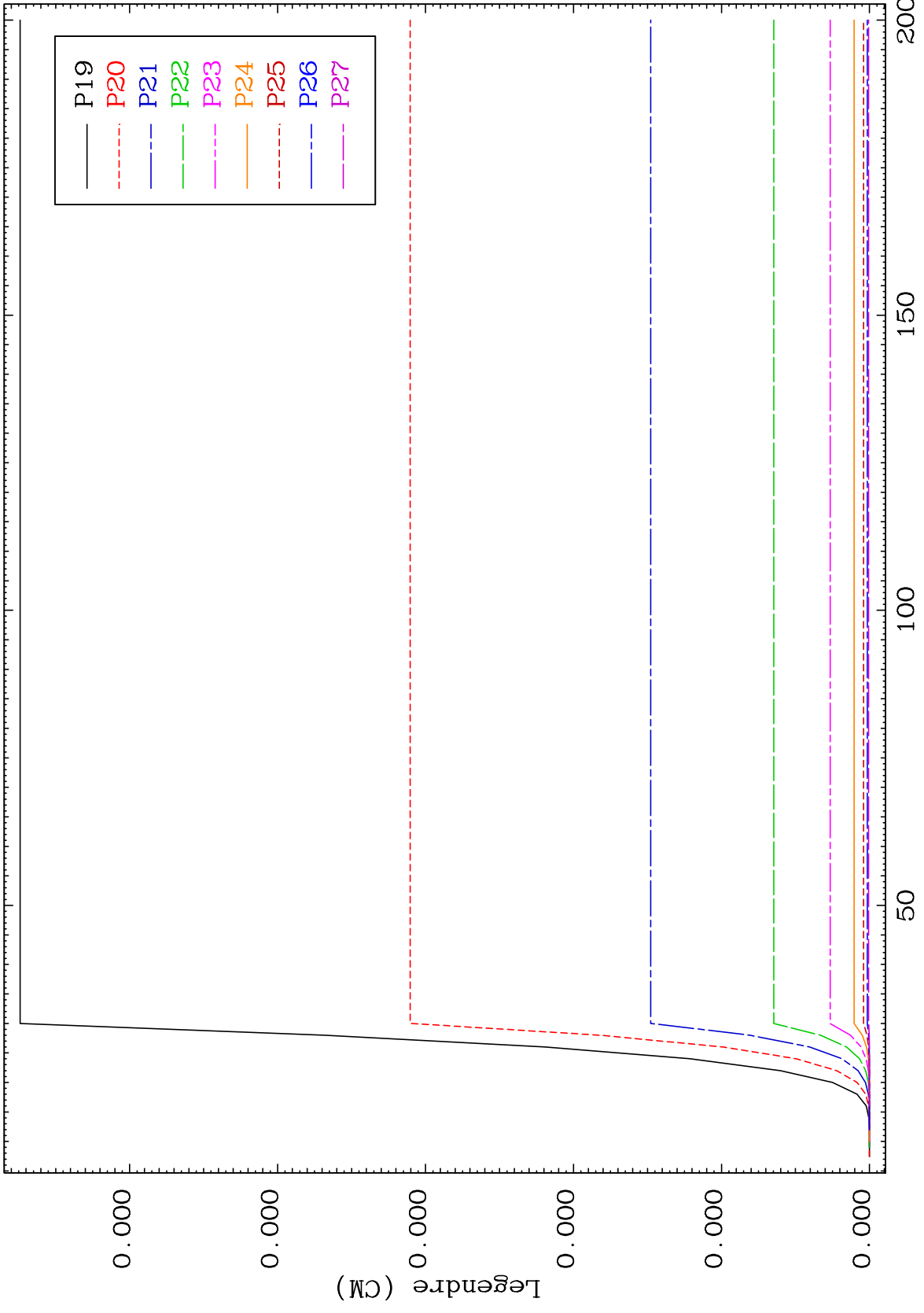
39 50-Sn-109



MAT 5016 MT= 56 (n,n') Level Legendre Coefficients 50-Sn-109



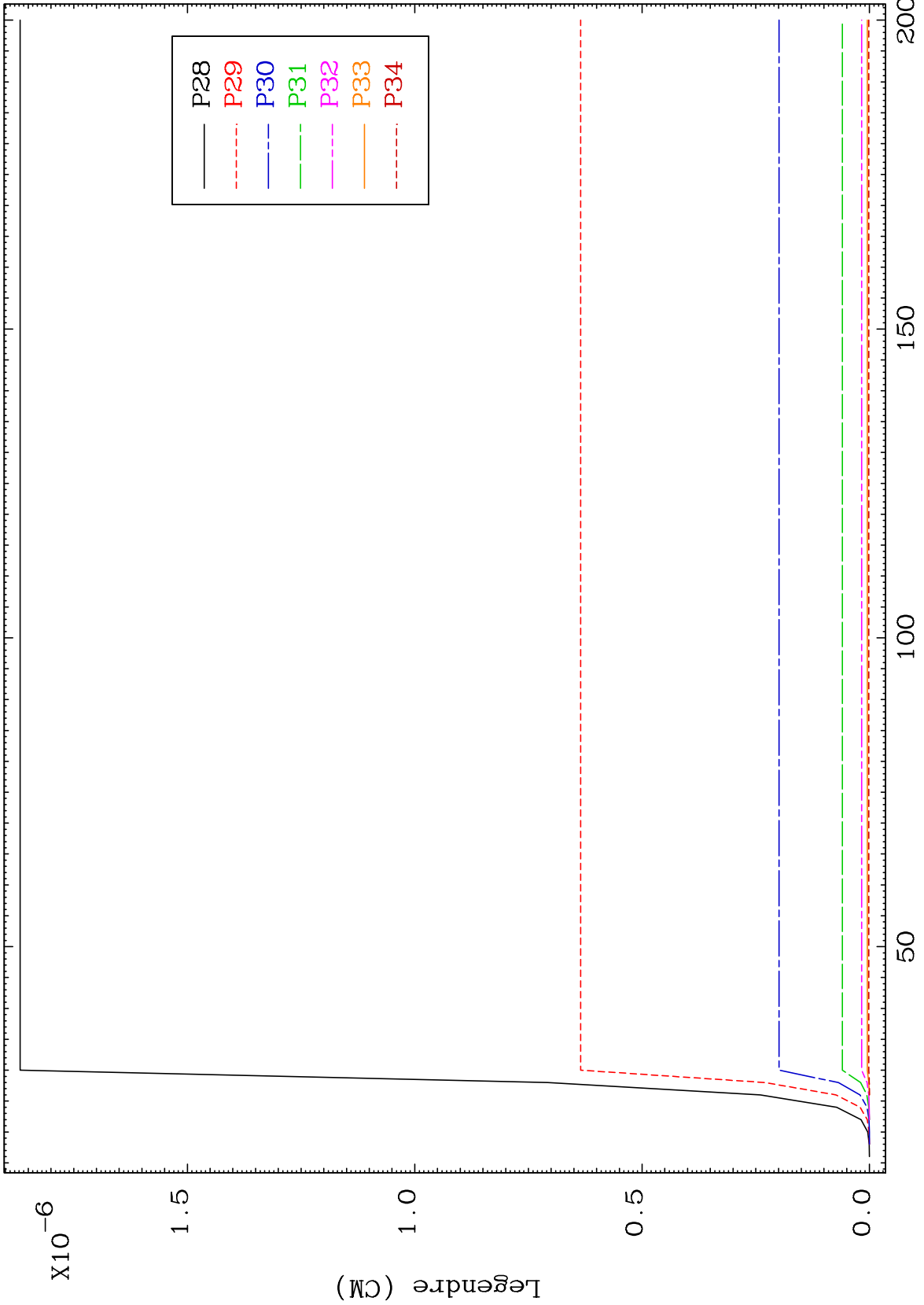
MAT 5016 MT= 56 (n,n') Level Legendre Coefficients 50-Sn-109



MAT 5016

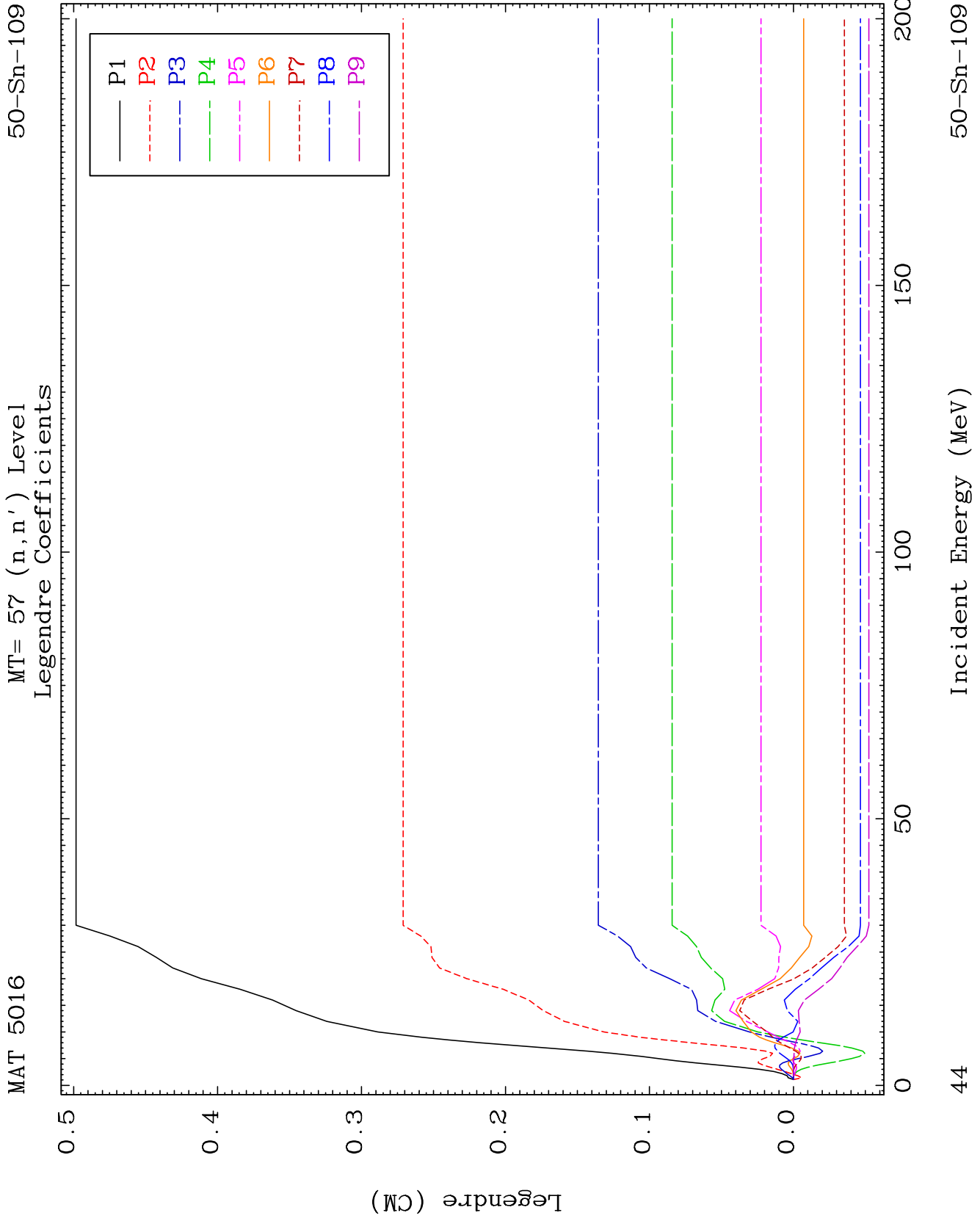
MT= 56 (n,n') Level
Legendre Coefficients

50-Sn-109

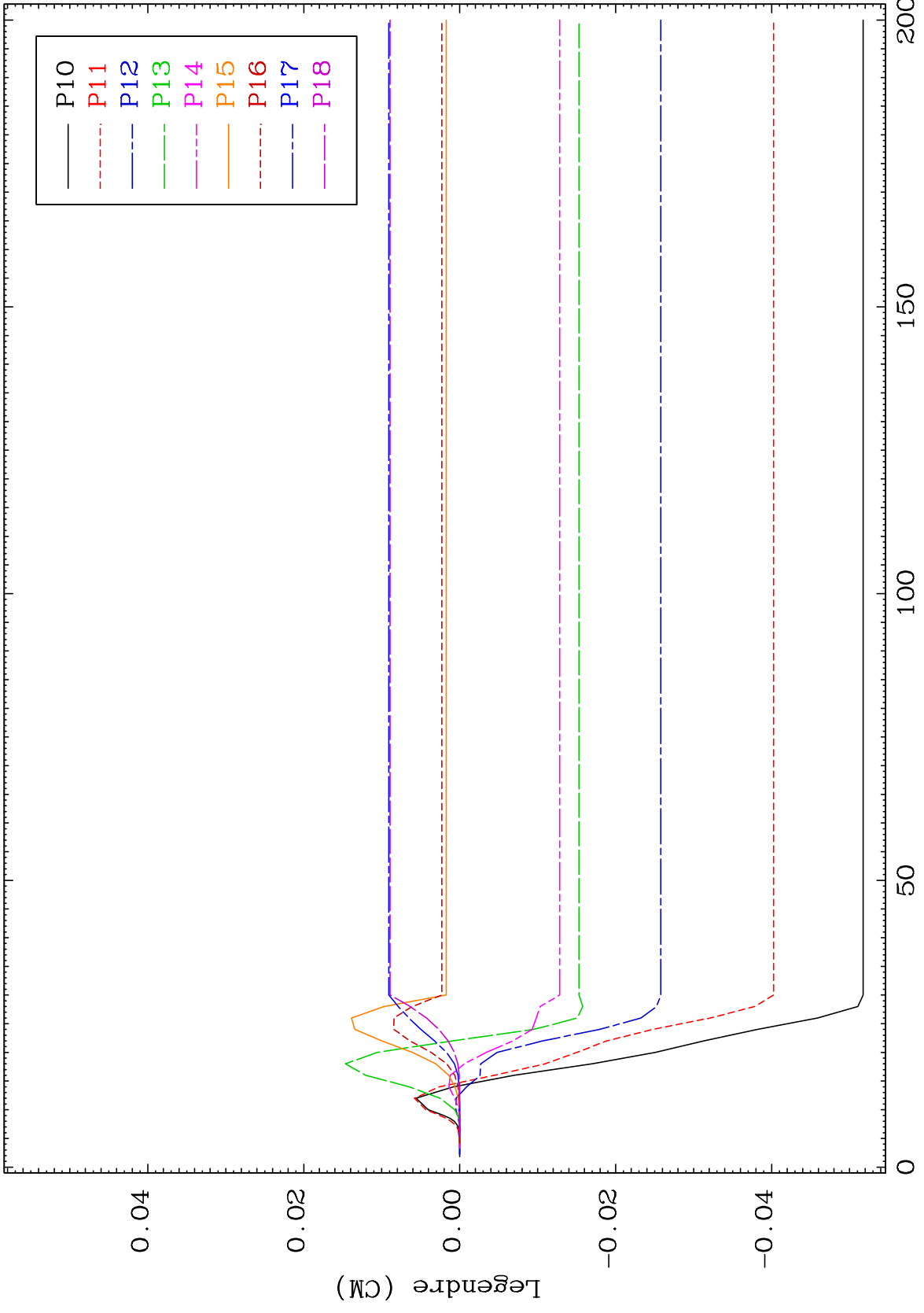


43

50-Sn-109

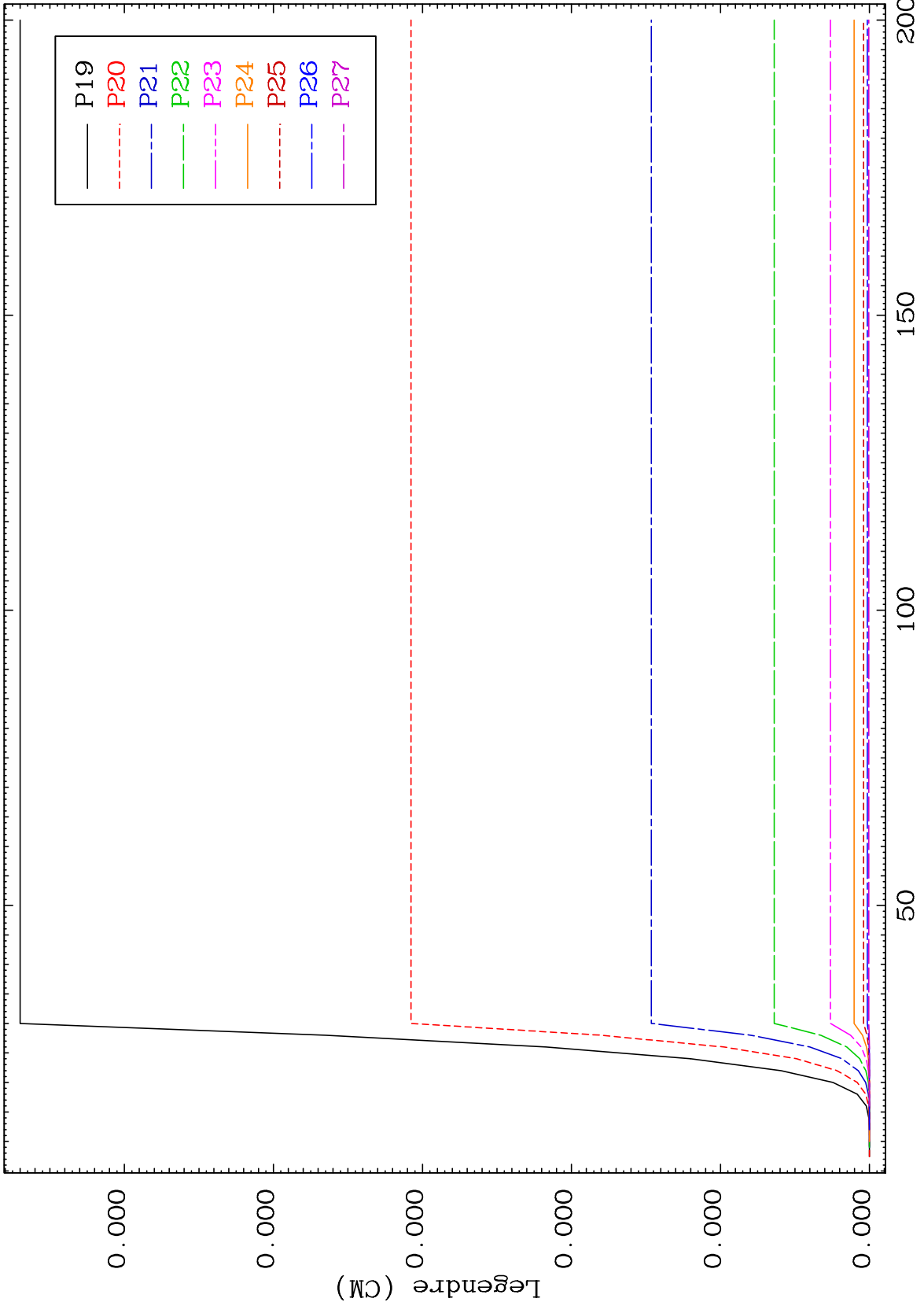


MAT 5016 MT= 57 (n,n') Level Legendre Coefficients 50-Sn-109



45 Incident Energy (MeV) 50-Sn-109

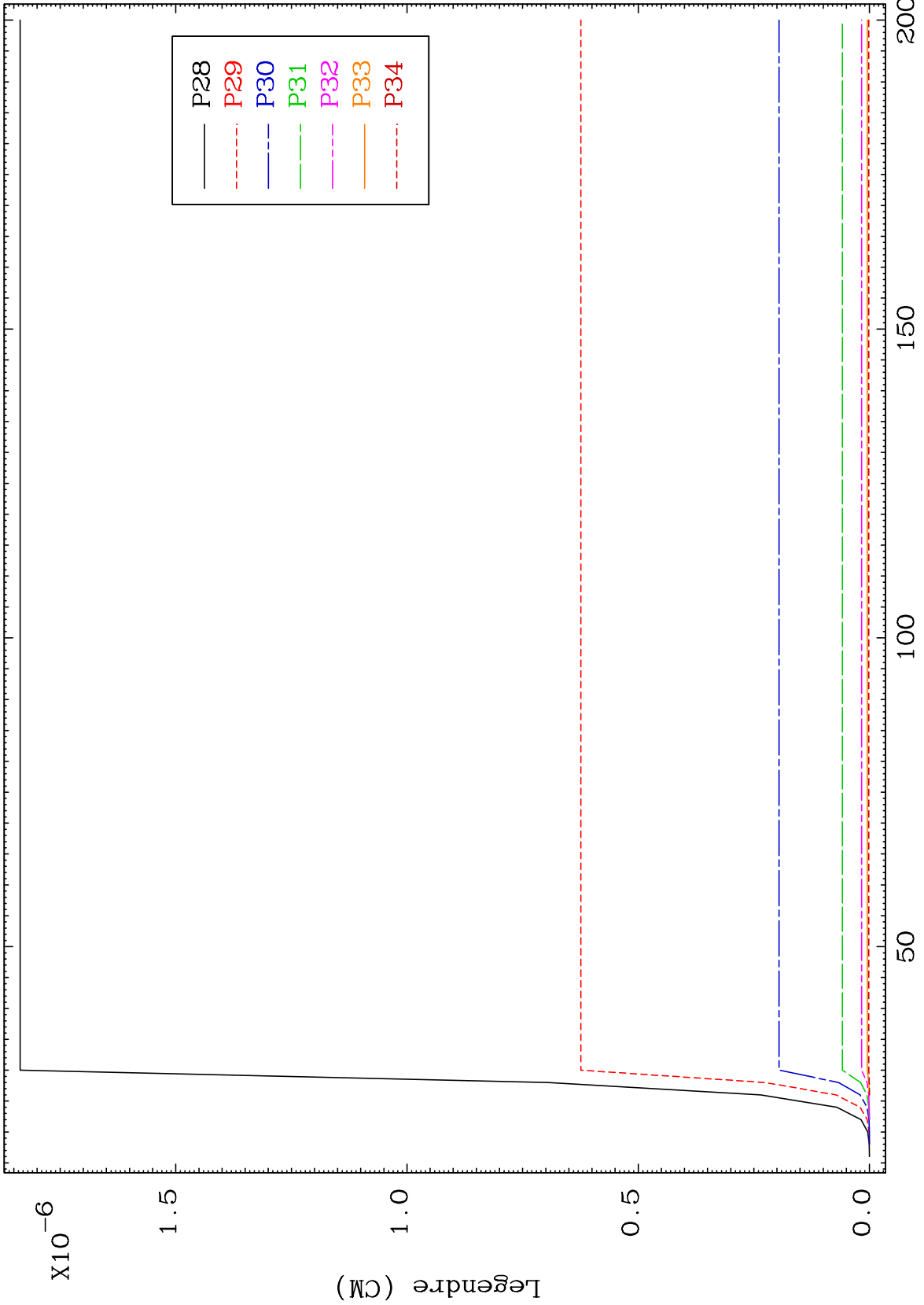
MAT 5016 MT= 57 (n,n') Level Legendre Coefficients 50-Sn-109



MAT 5016

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

50-Sn-109

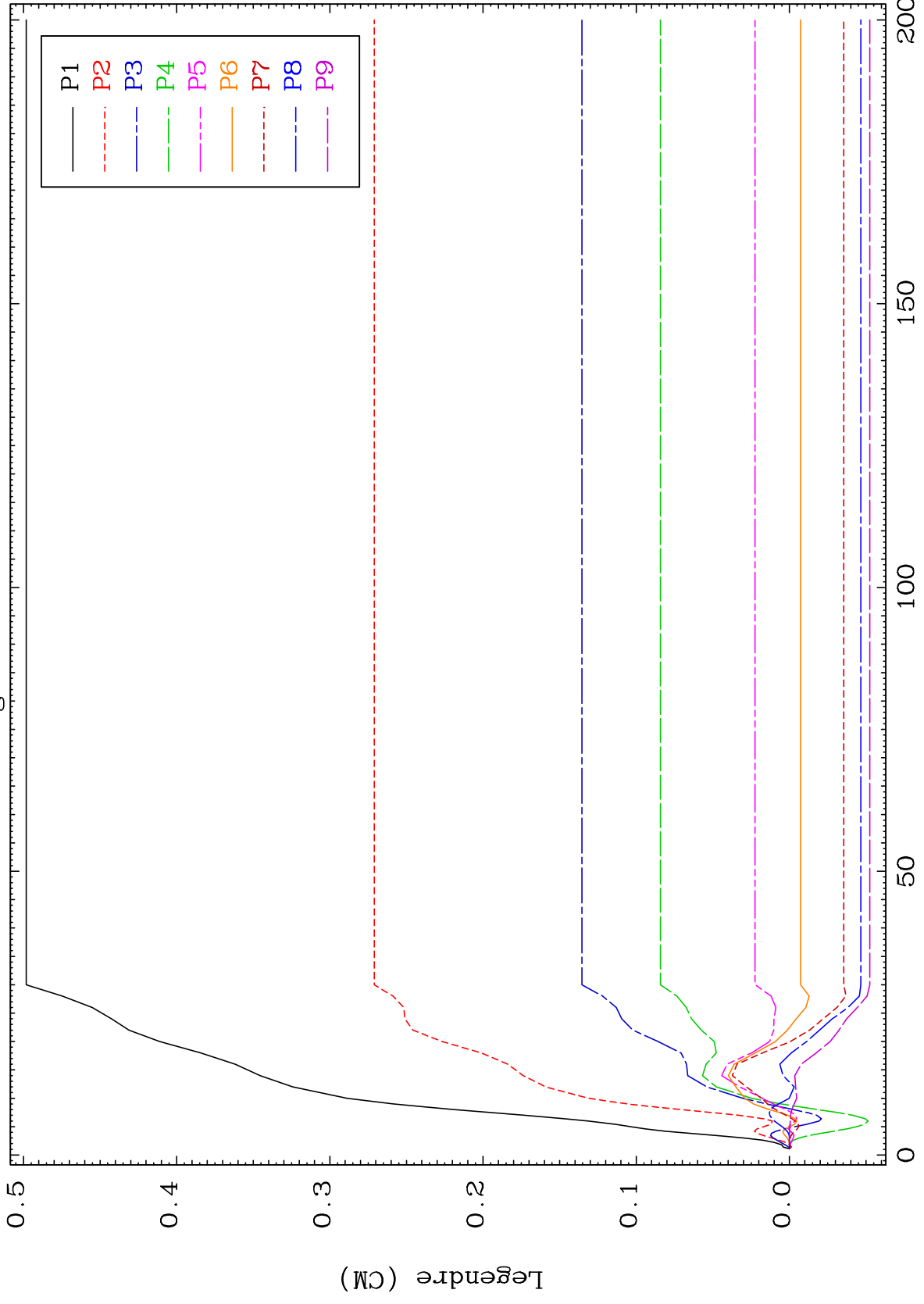


47

Incident Energy (MeV)

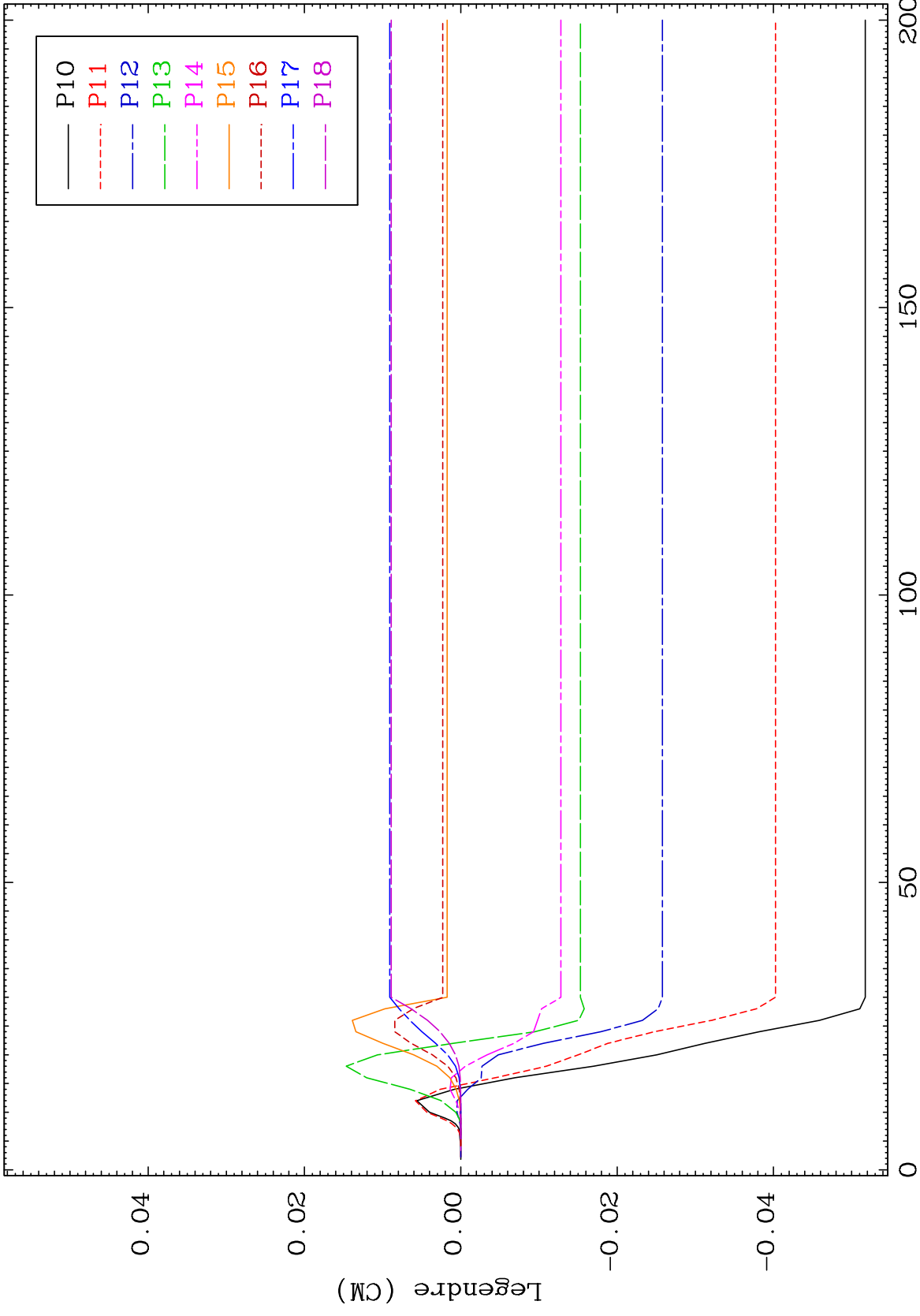
50-Sn-109

MAT 5016 MT= 58 (n,n') Level Legendre Coefficients 50-Sn-109



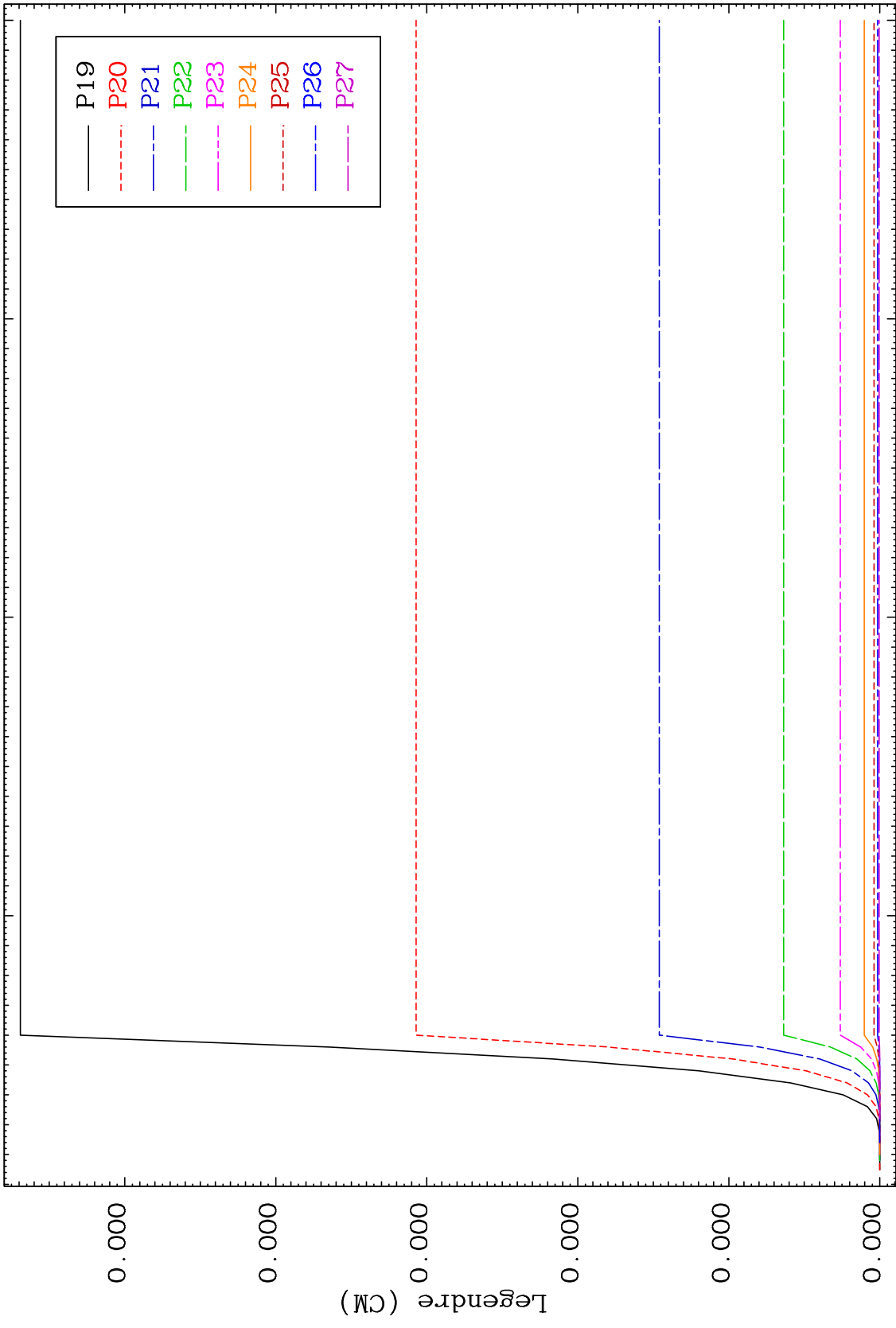
48 Incident Energy (MeV) 50-Sn-109

MAT 5016 MT= 58 (n,n') Level Legendre Coefficients 50-Sn-109



49 50-Sn-109

MAT 5016 MT= 58 (n,n') Level Legendre Coefficients 50-Sn-109

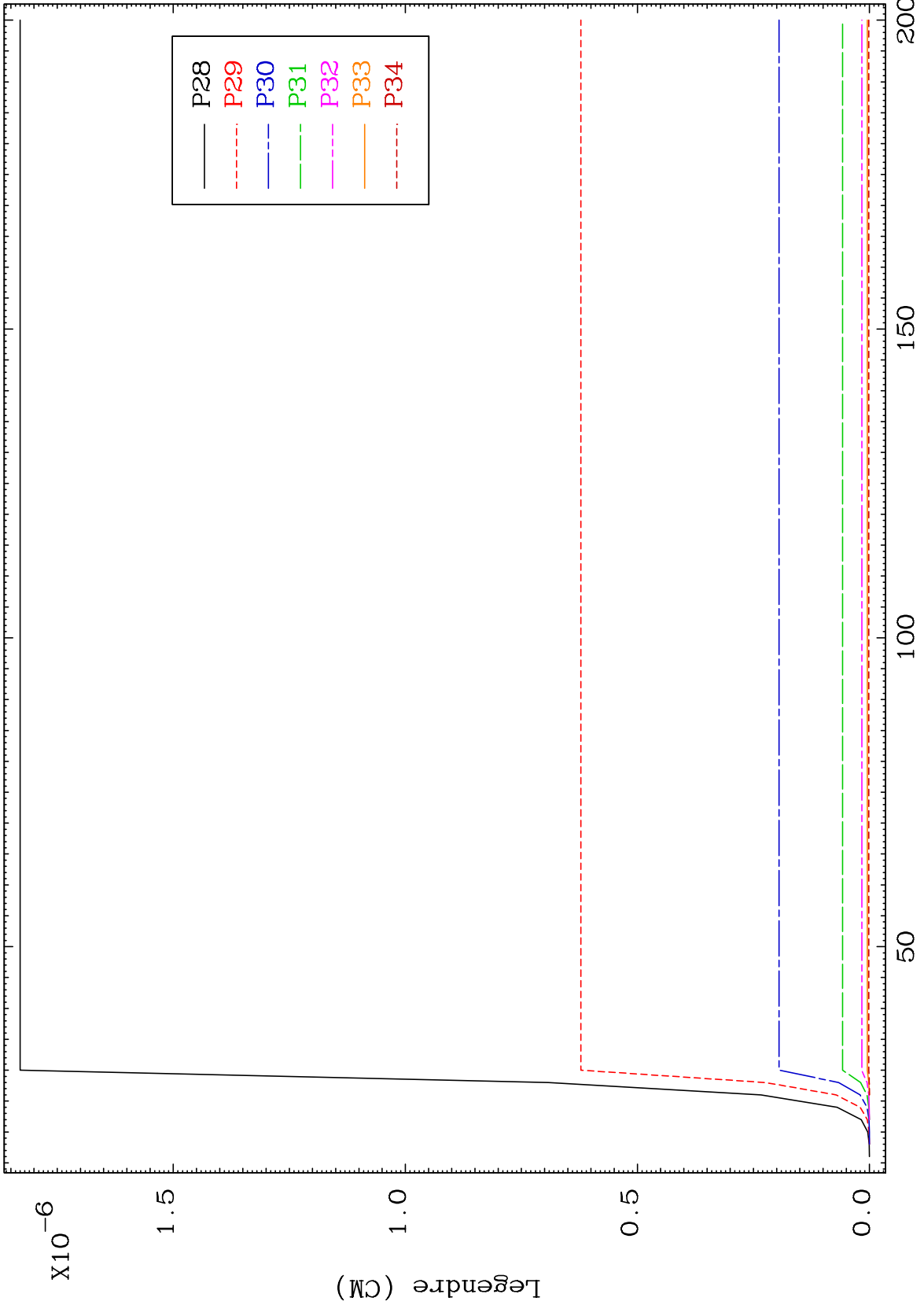


Incident Energy (MeV) 50-Sn-109

MAT 5016

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

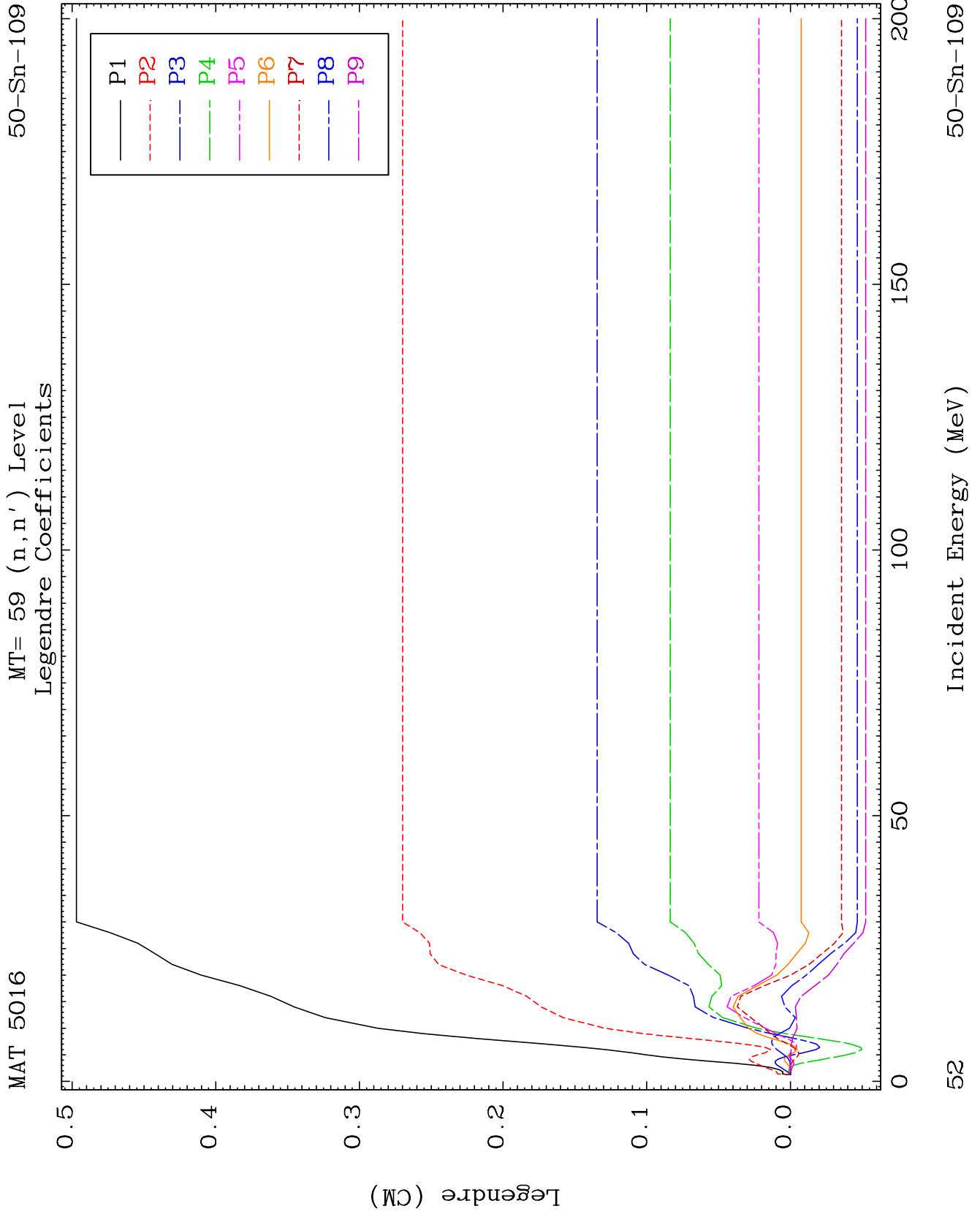
50-Sn-109

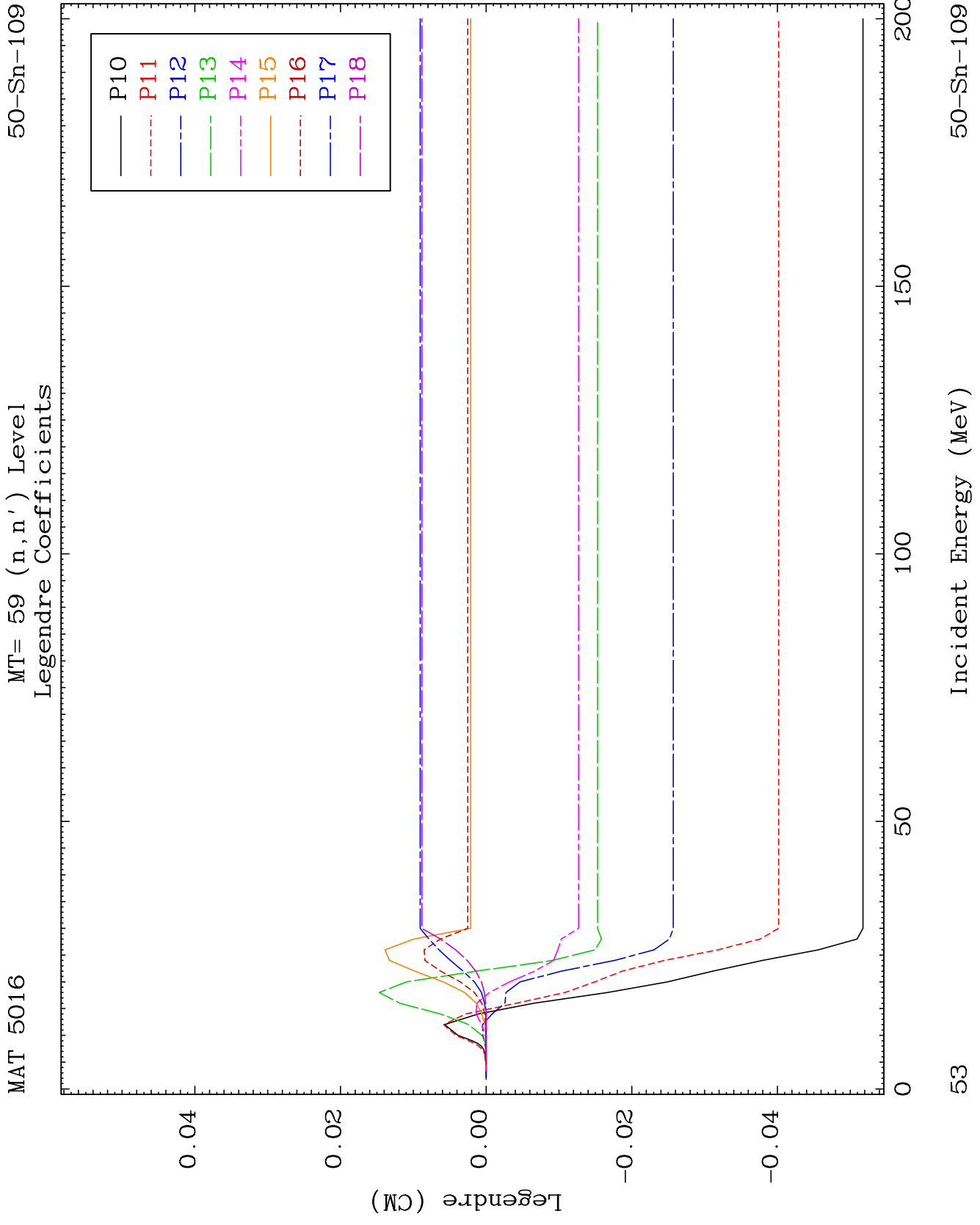


51

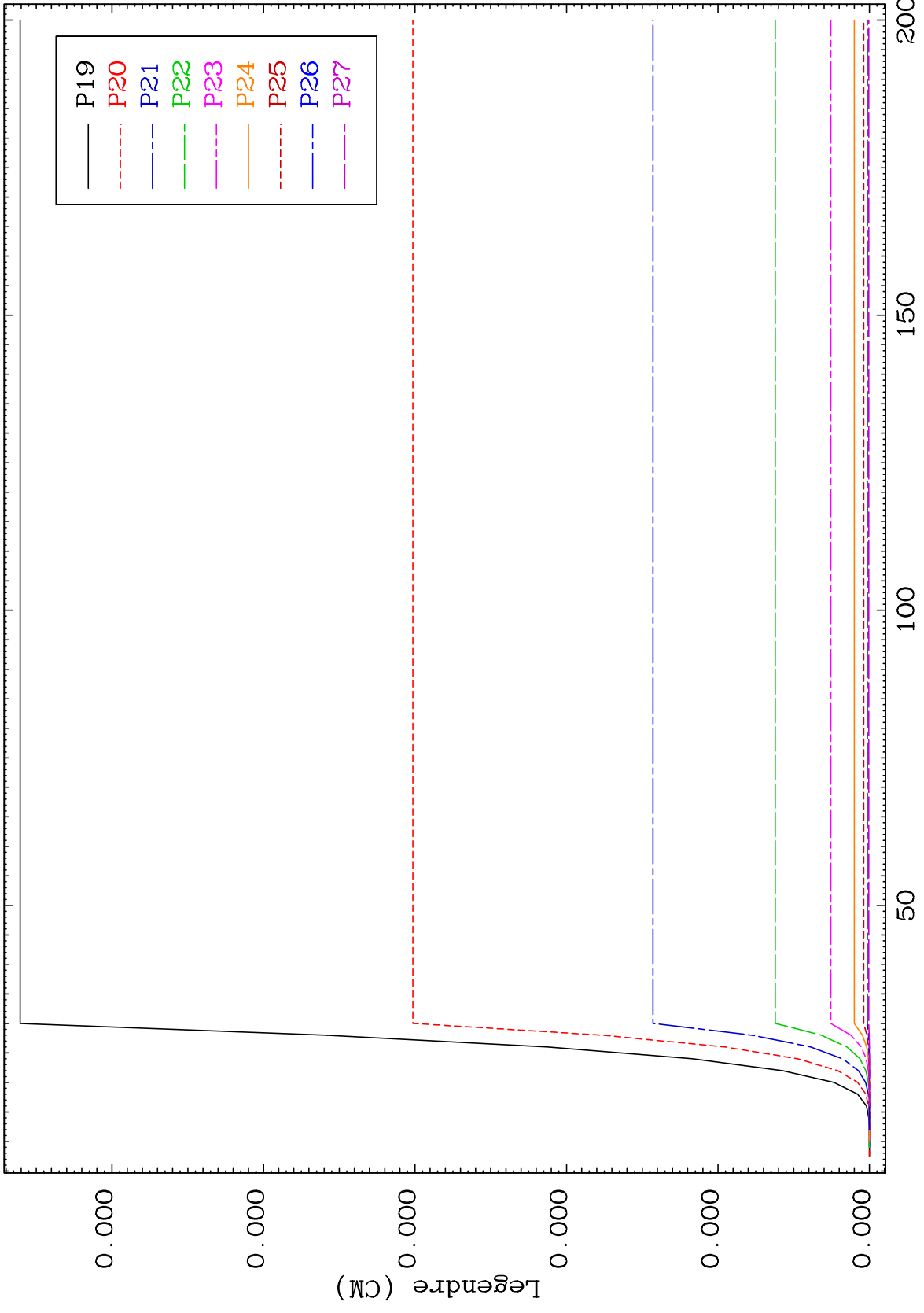
Incident Energy (MeV)

50-Sn-109





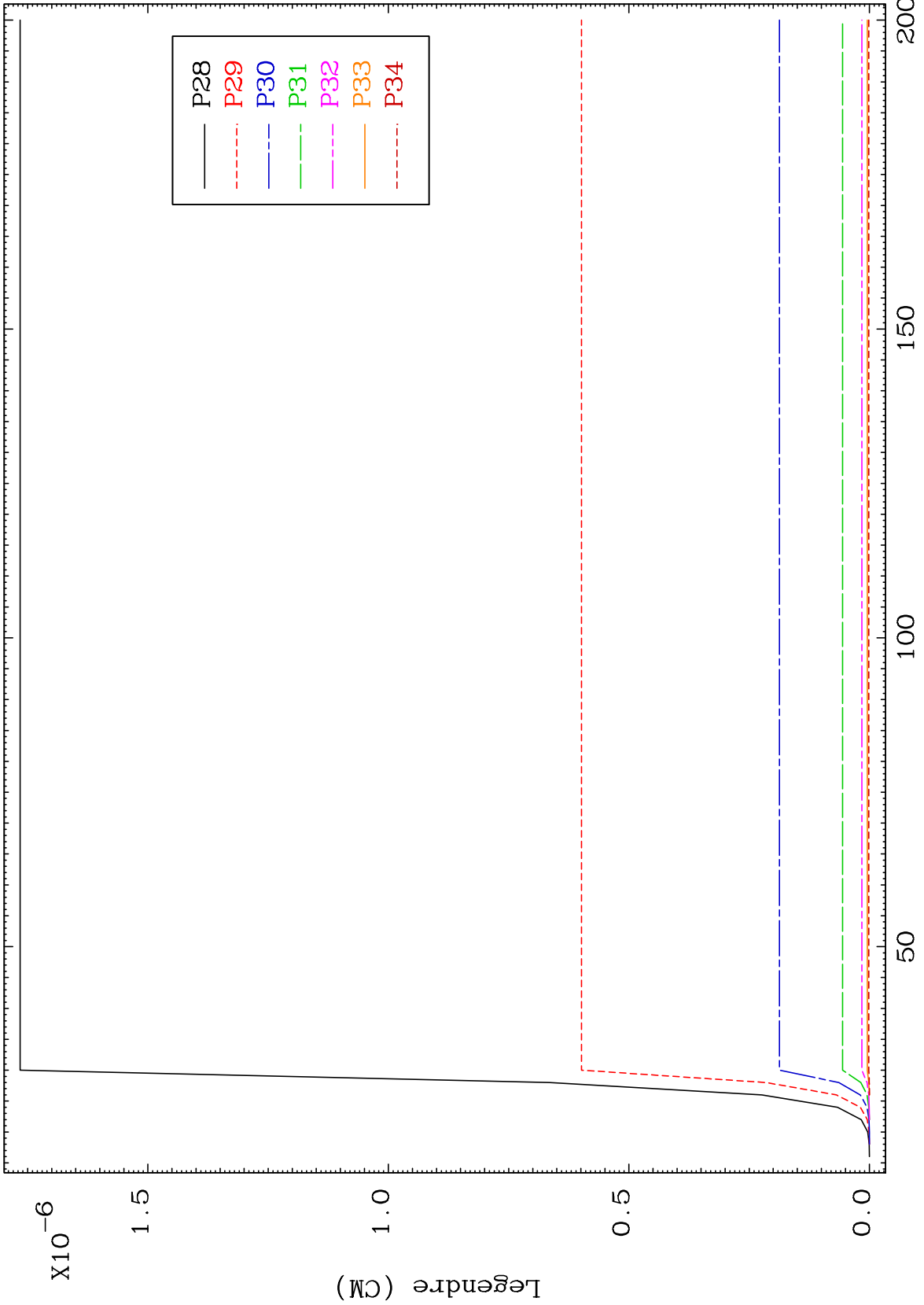
MAT 5016 MT= 59 (n,n') Level Legendre Coefficients 50-Sn-109



MAT 5016

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

50-Sn-109

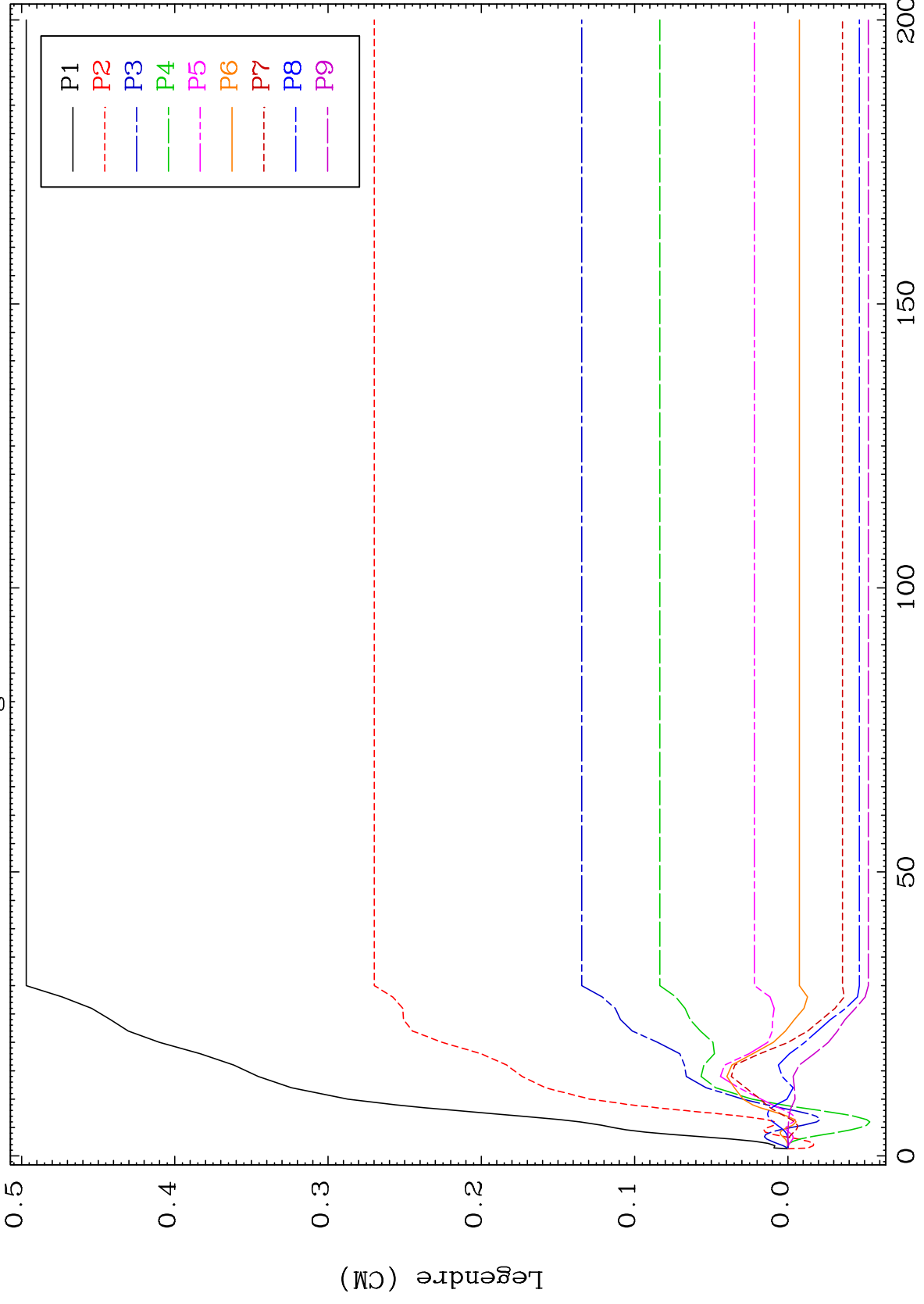


55

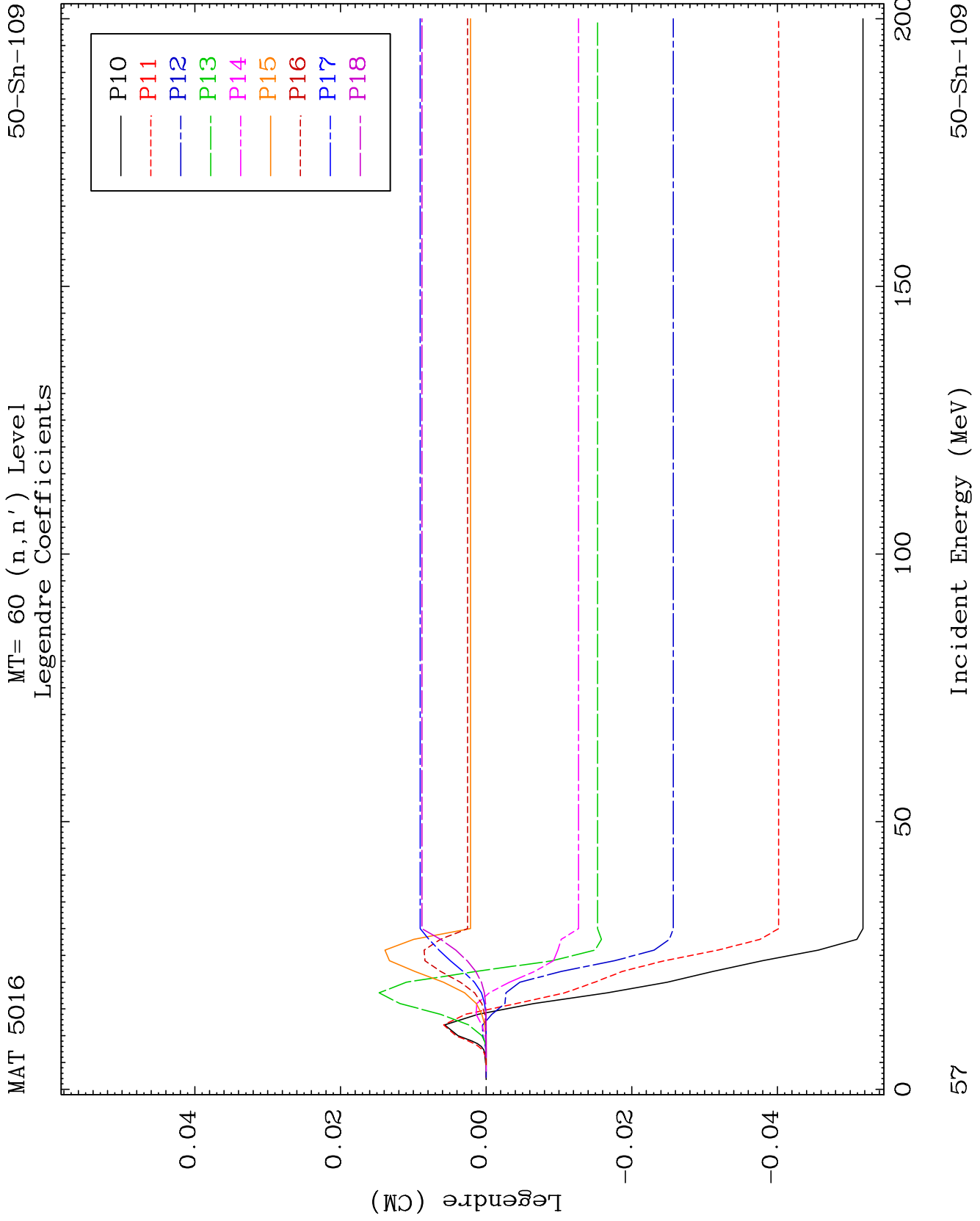
Incident Energy (MeV)

50-Sn-109

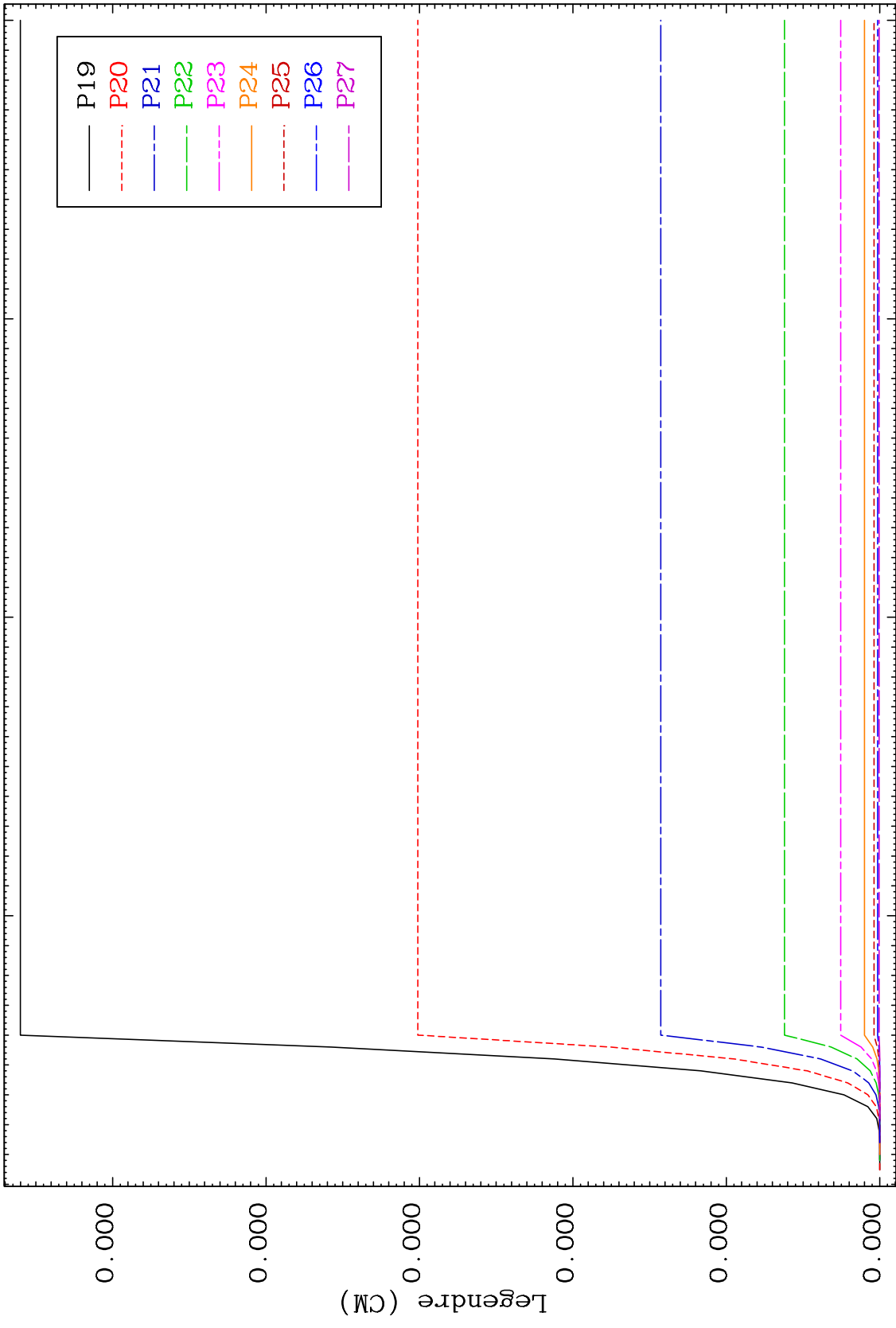
MAT 5016 MT= 60 (n,n') Level Legendre Coefficients 50-Sn-109



56 50-Sn-109



MAT 5016 MT= 60 (n,n') Level Legendre Coefficients 50-Sn-109



58

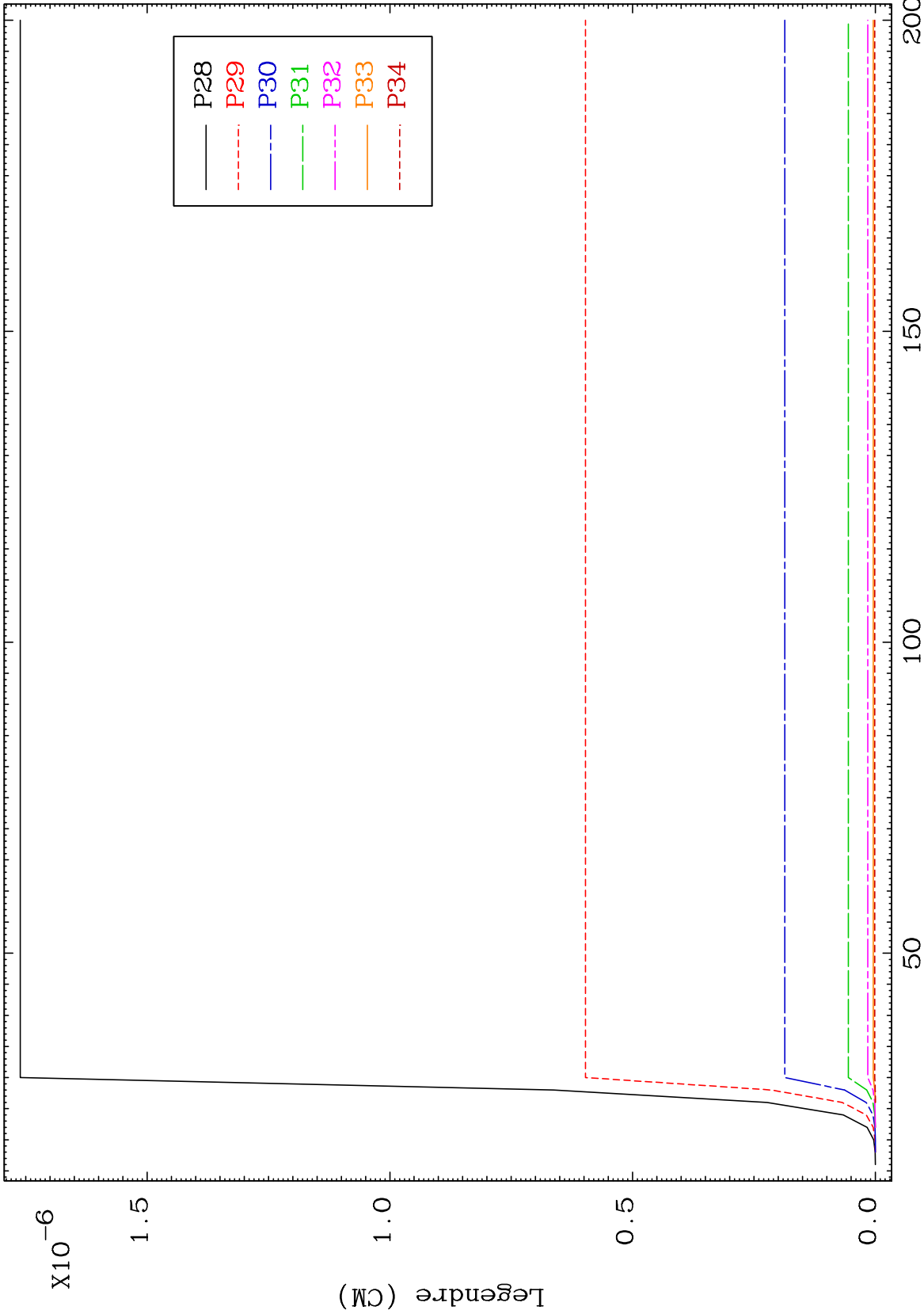
Incident Energy (MeV)

50-Sn-109

MAT 5016

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

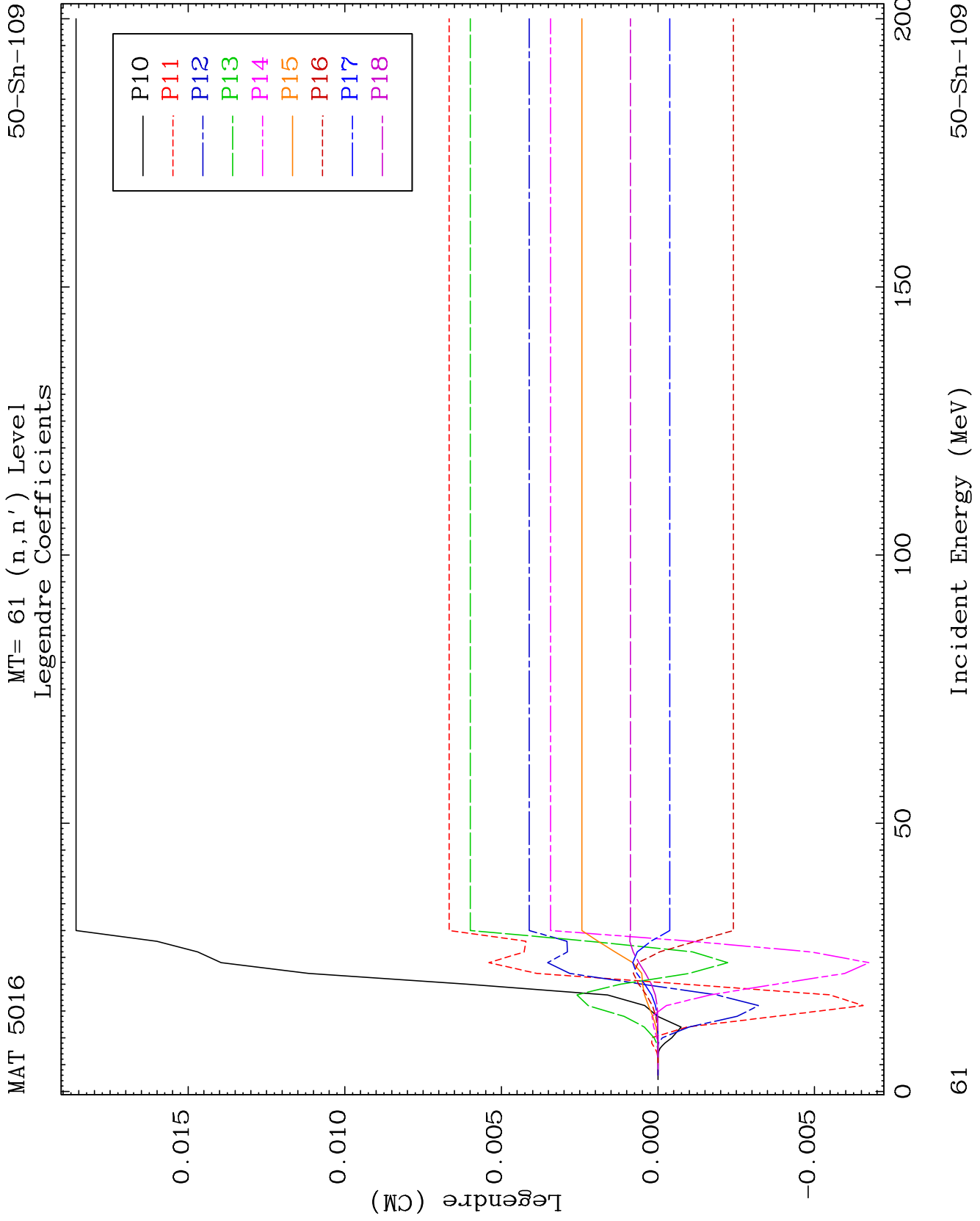
50-Sn-109



59

Incident Energy (MeV)

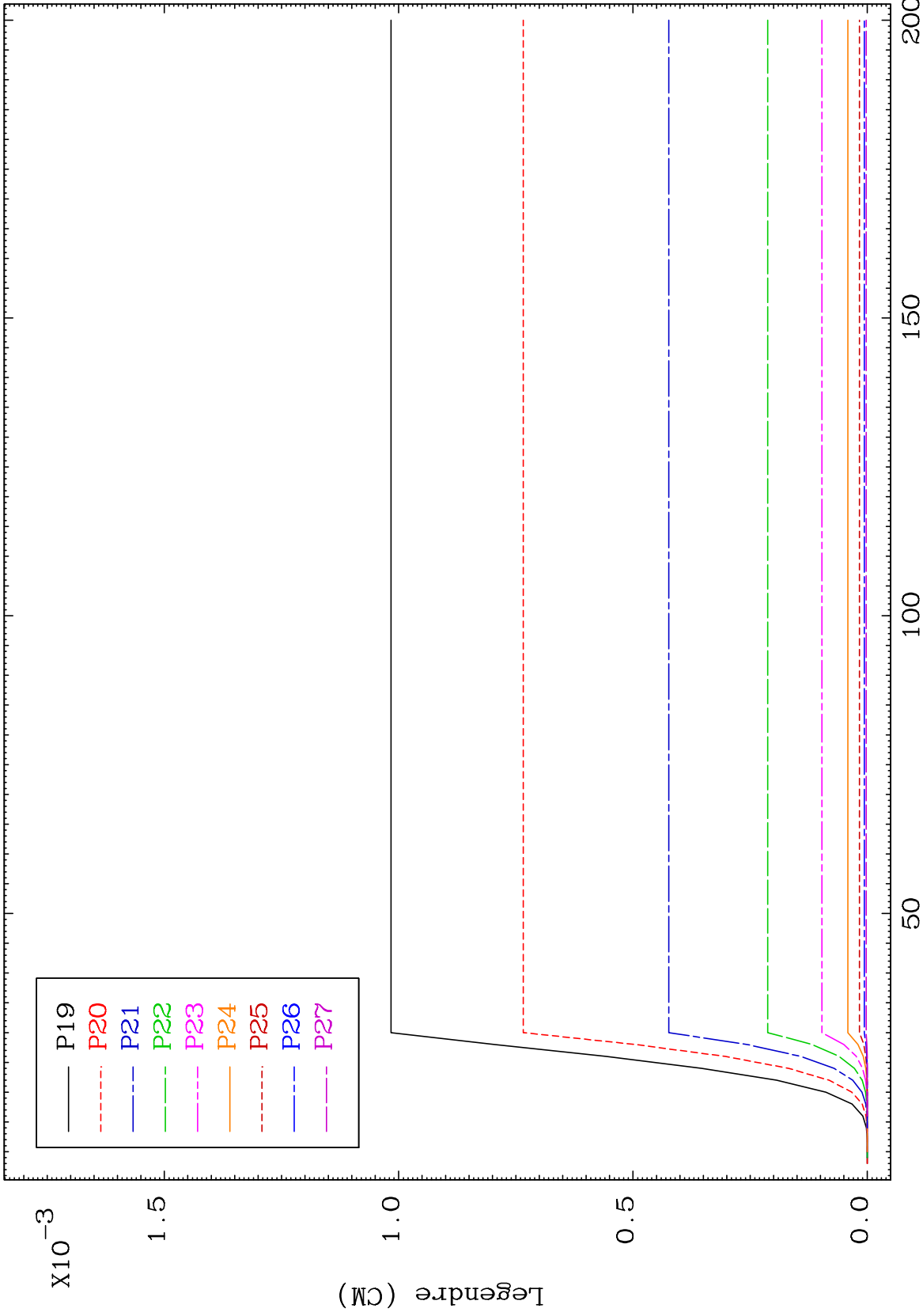
50-Sn-109



MAT 5016

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

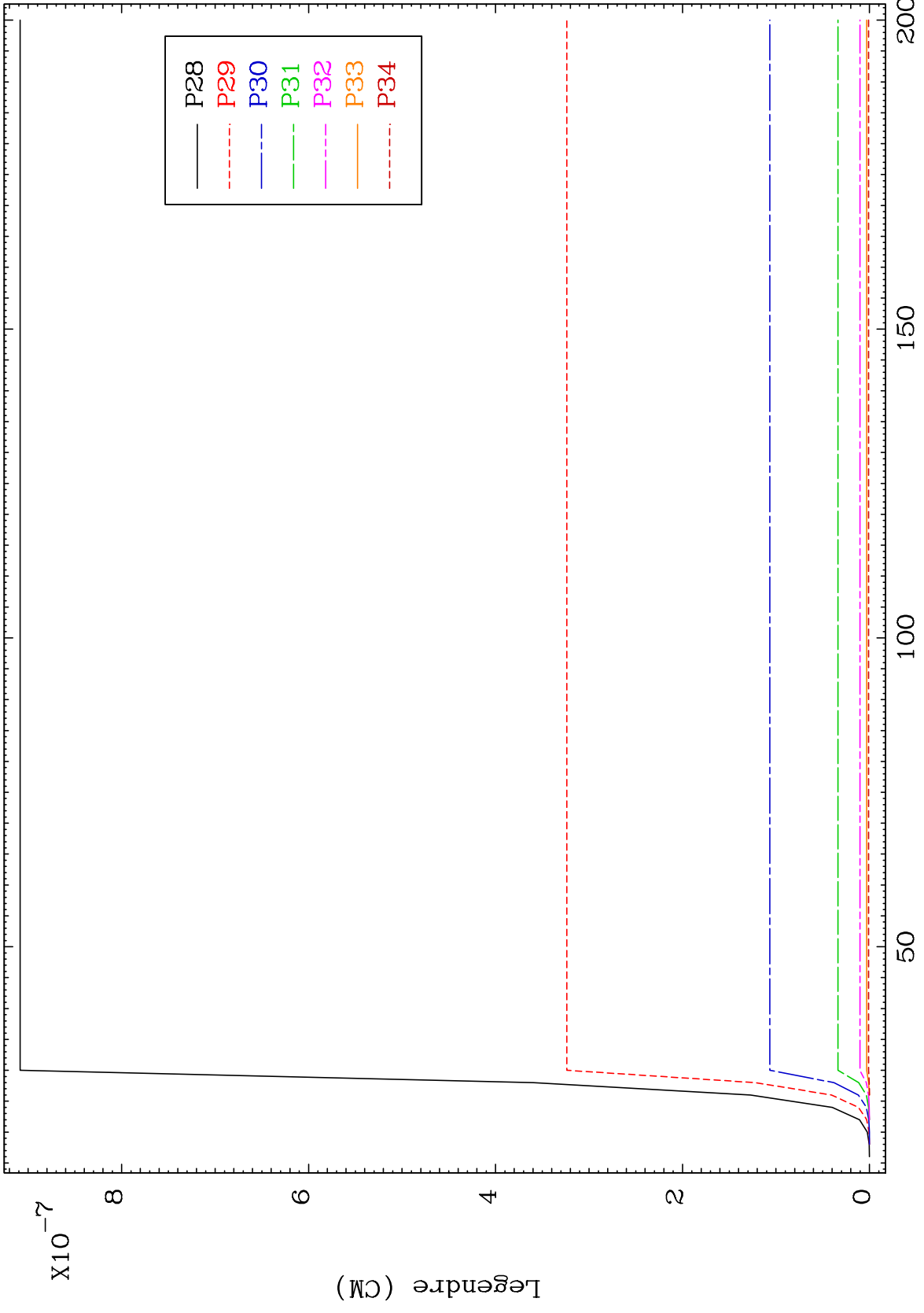
50-Sn-109



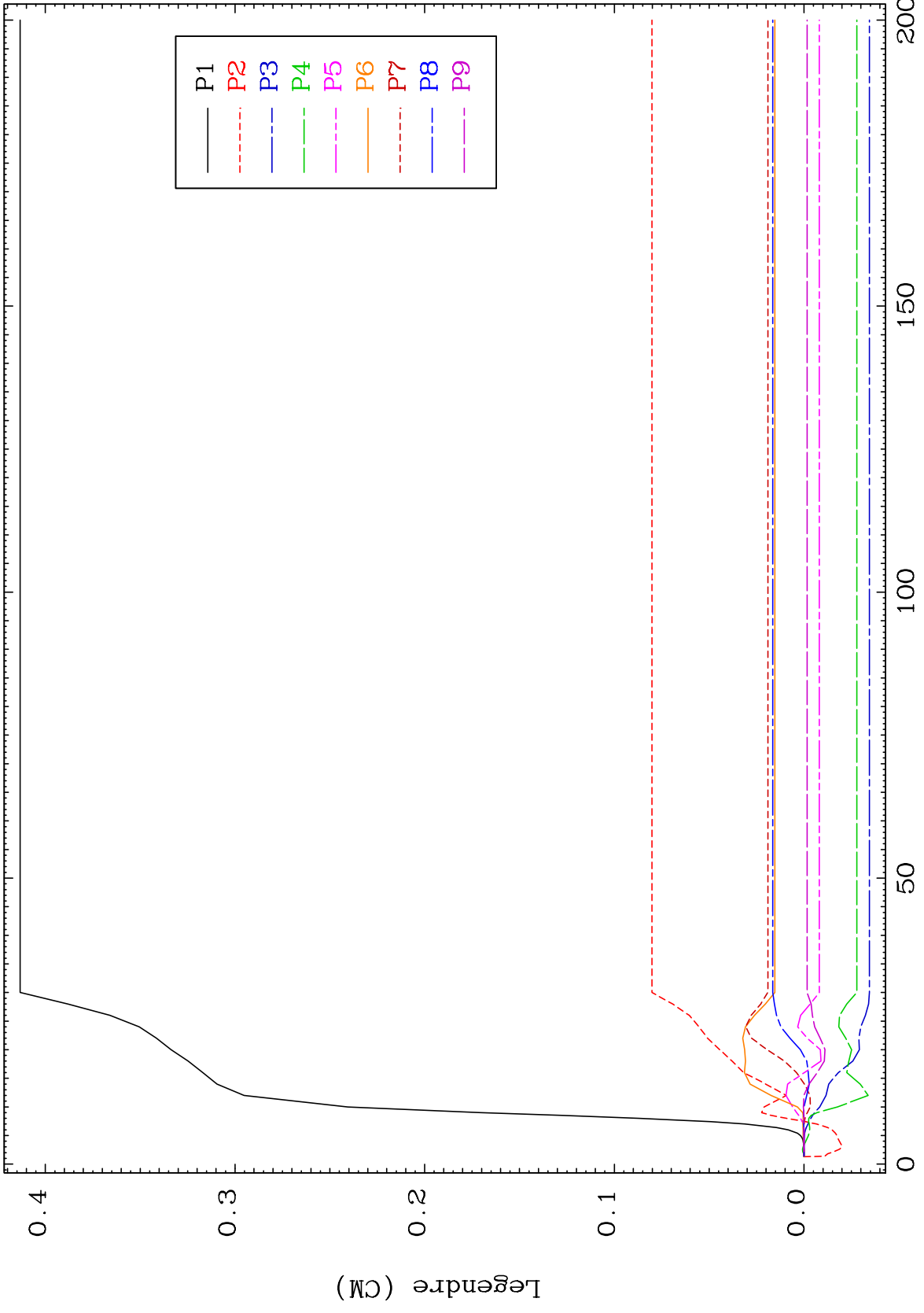
62

50-Sn-109

MAT 5016 MT= 61 (n,n') Level Legendre Coefficients 50-Sn-109



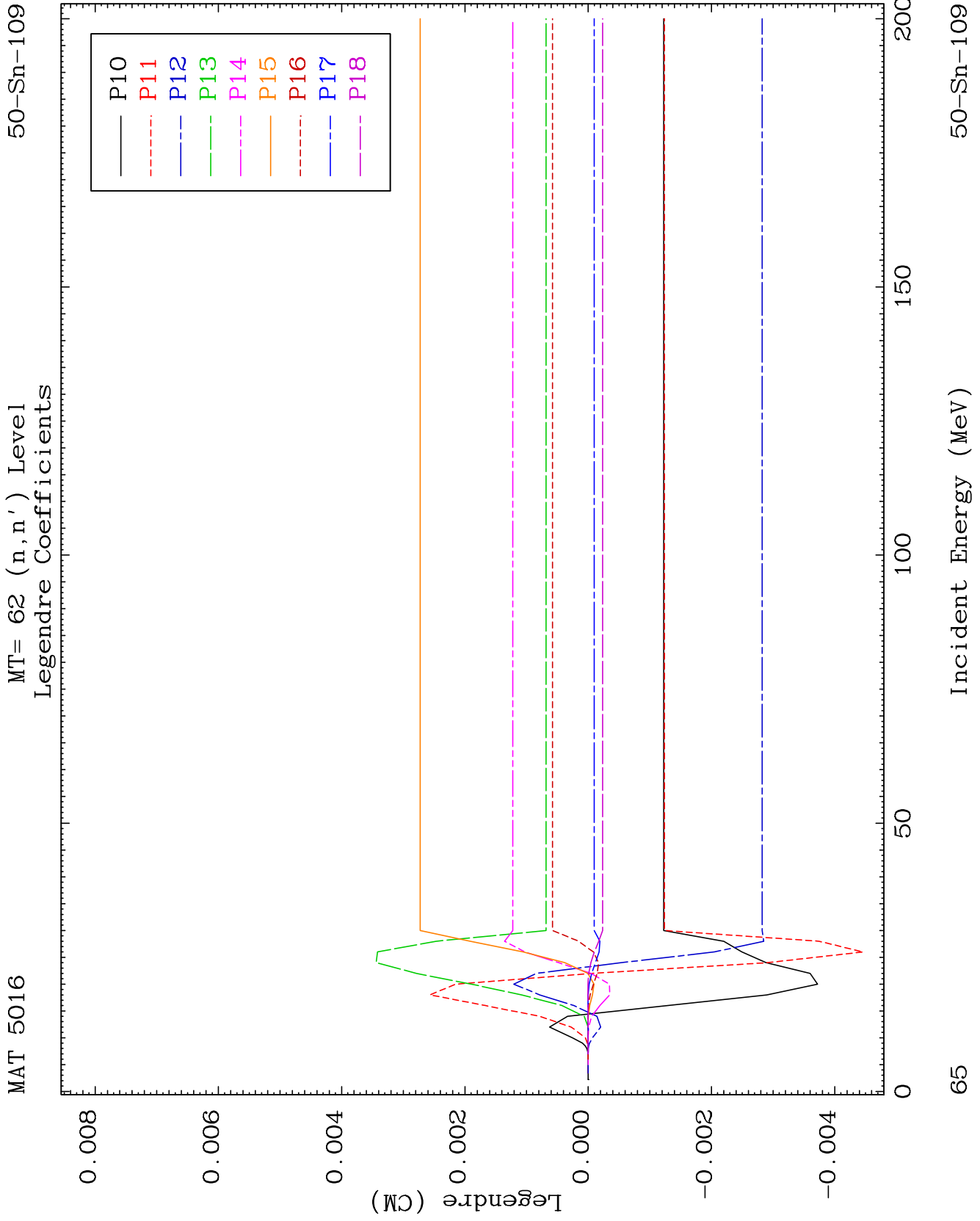
MAT 5016 MT= 62 (n,n') Level Legendre Coefficients 50-Sn-109



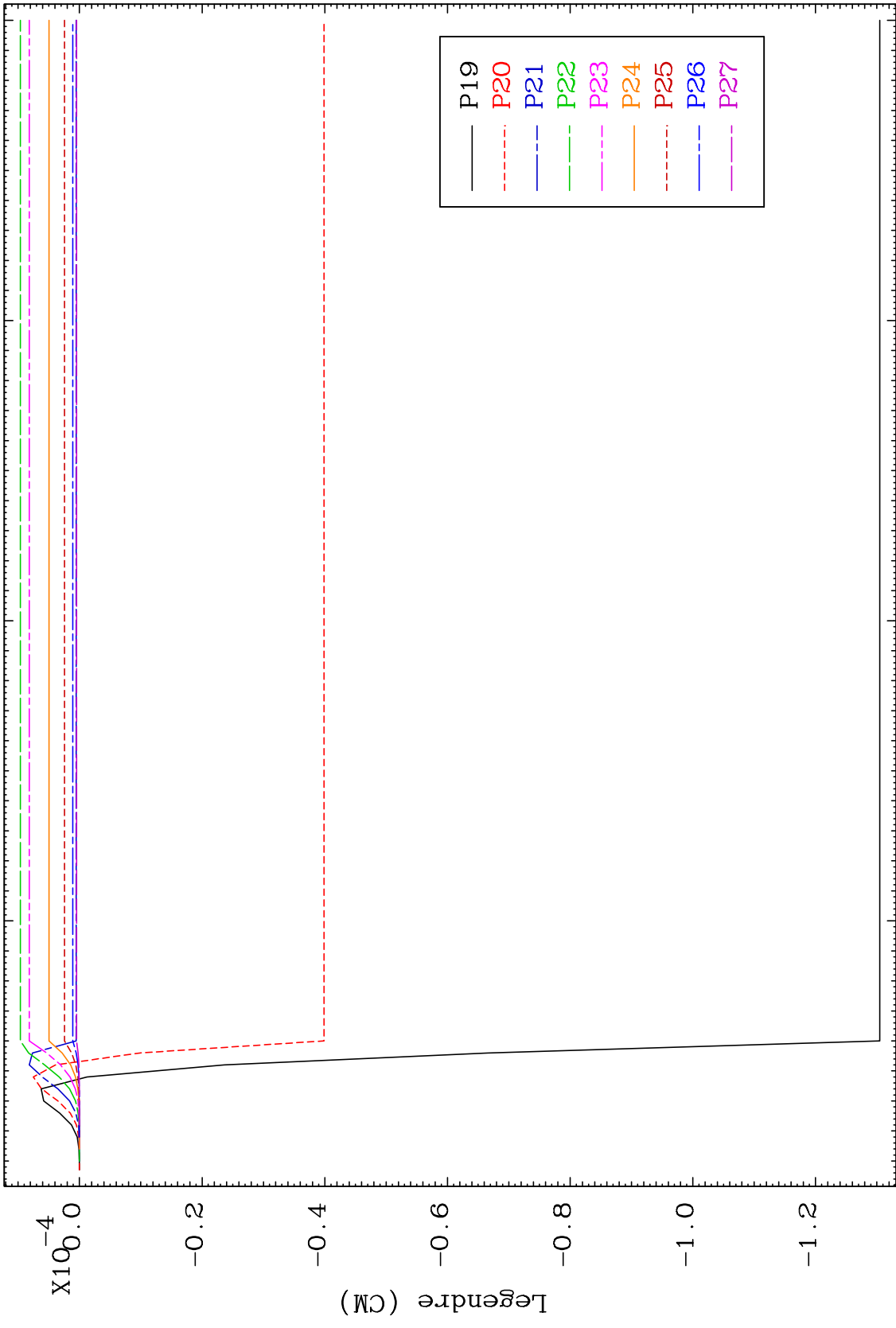
50-Sn-109

Incident Energy (MeV)

64



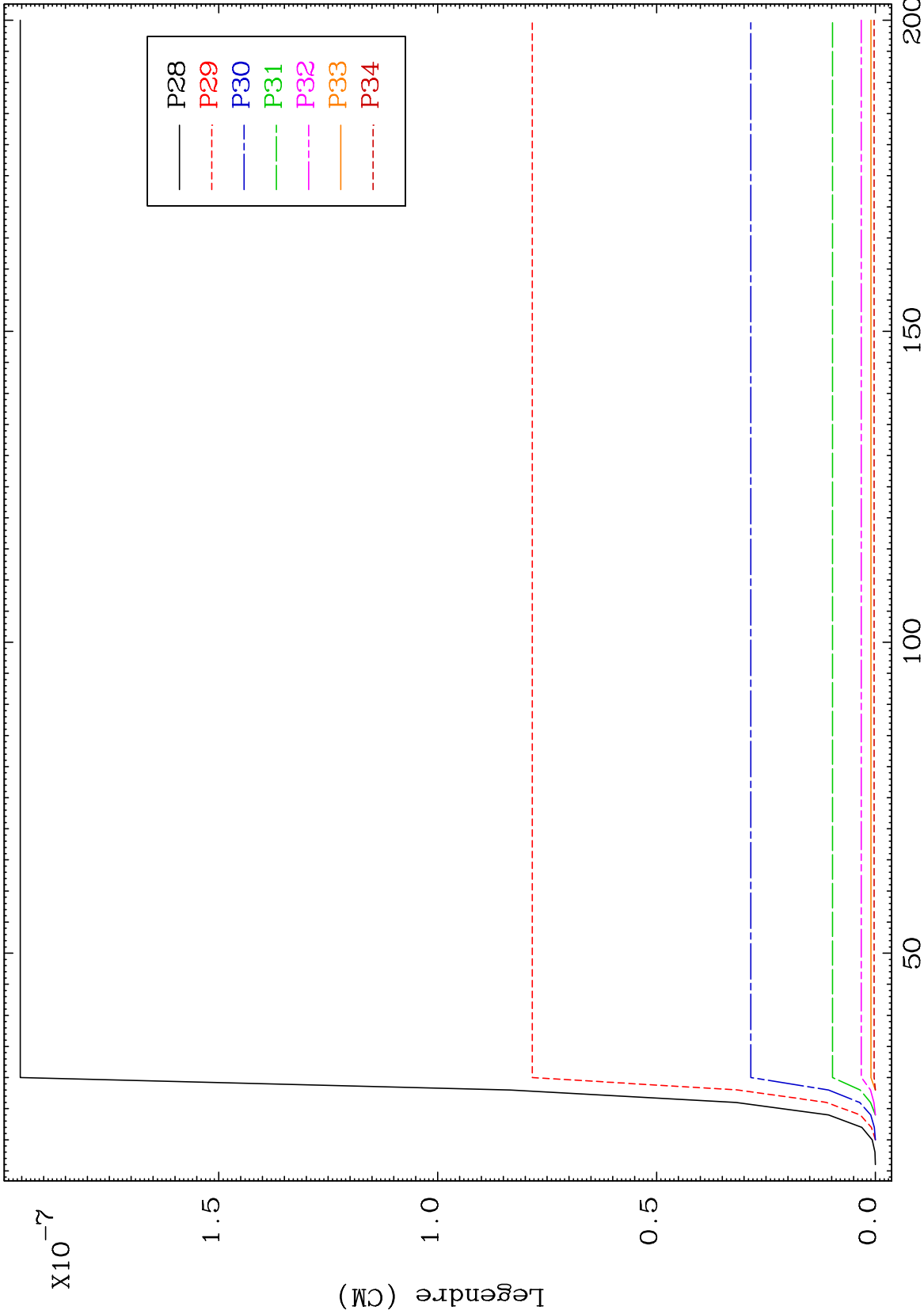
MAT 5016 MT= 62 (n,n') Level Legendre Coefficients 50-Sn-109



MAT 5016

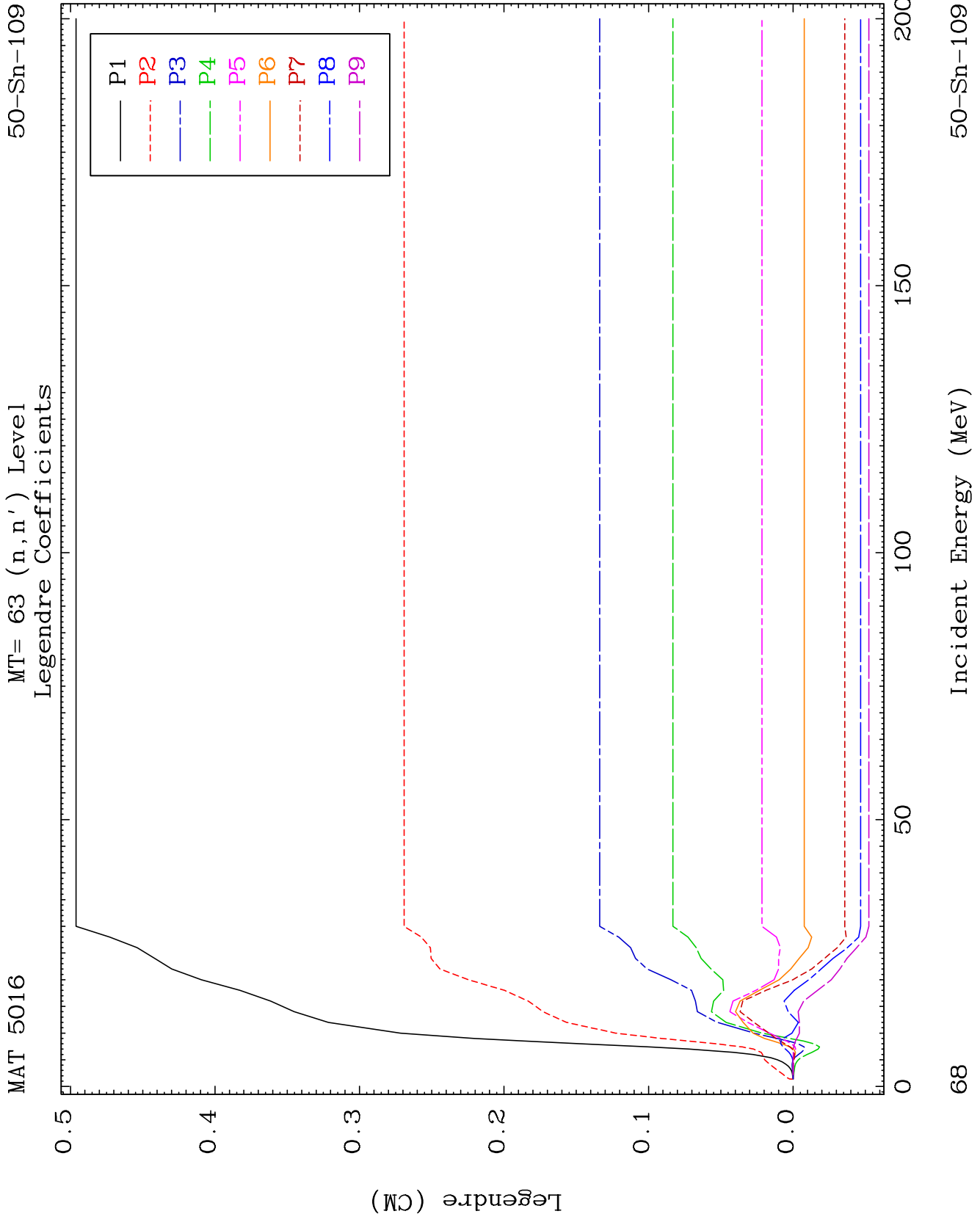
MT= 62 (n,n') Level
Legendre Coefficients

50-Sn-109



67

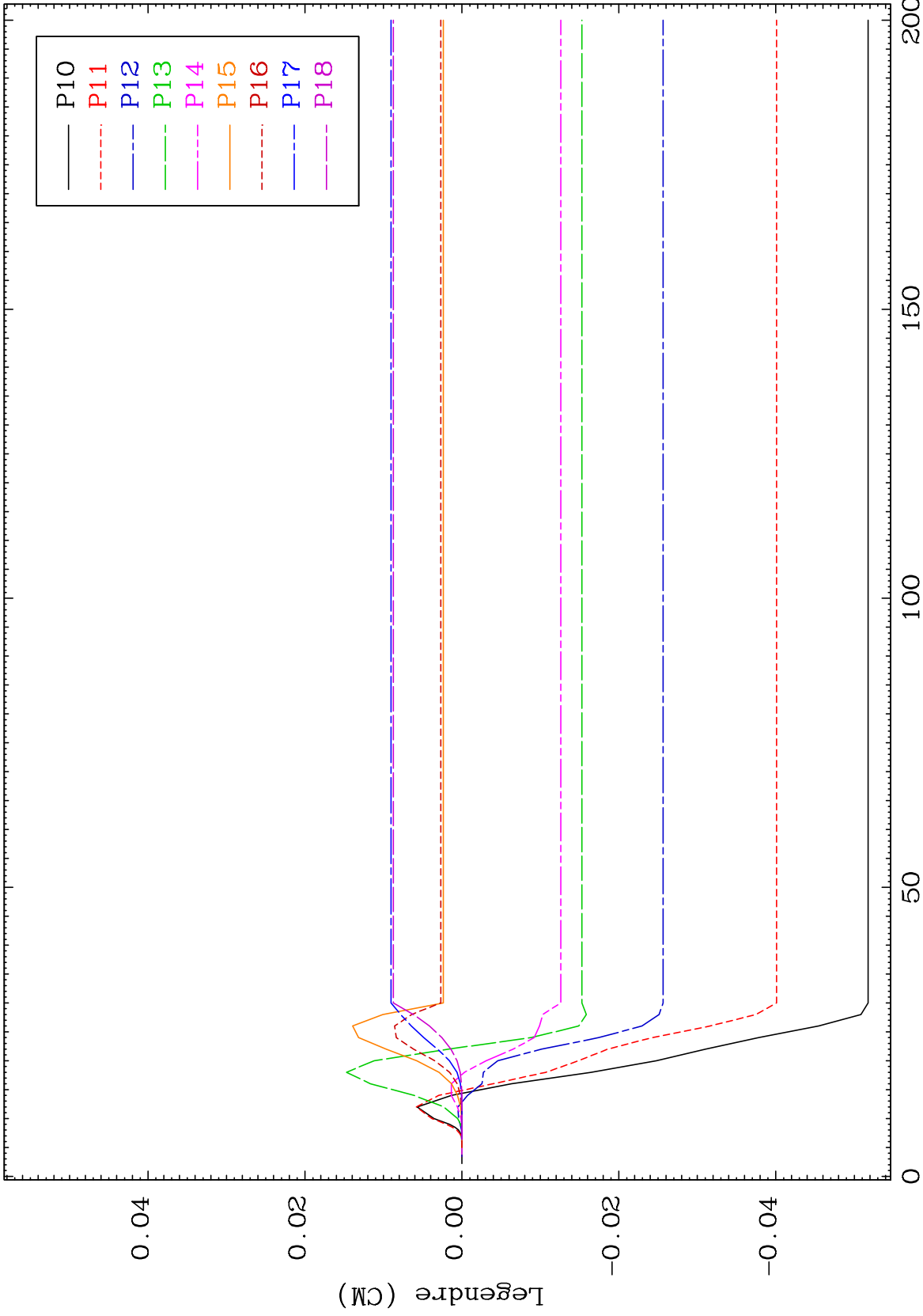
50-Sn-109



MAT 5016

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

50-Sn-109

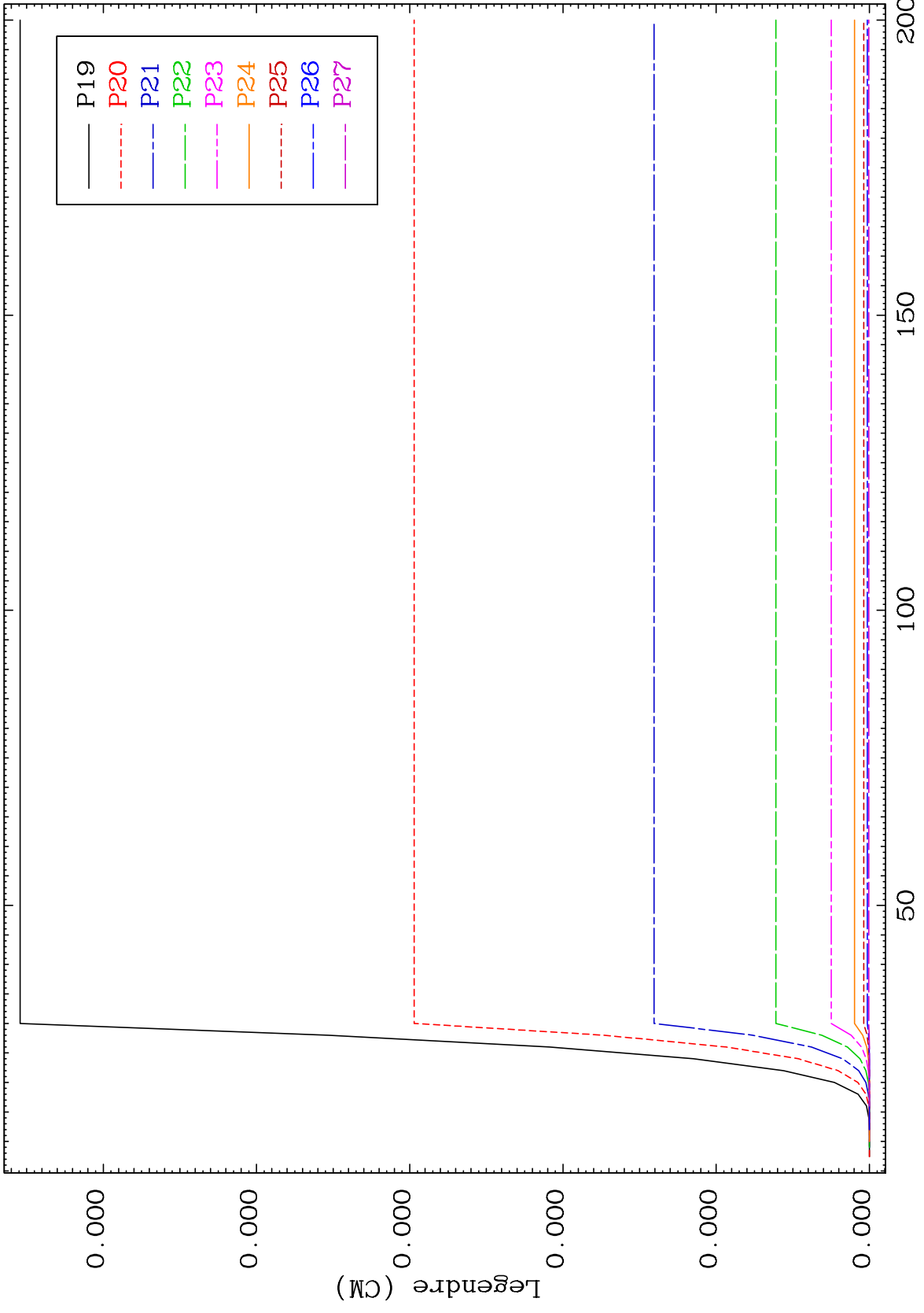


69

Incident Energy (MeV)

50-Sn-109

MAT 5016 MT= 63 (n,n') Level Legendre Coefficients 50-Sn-109

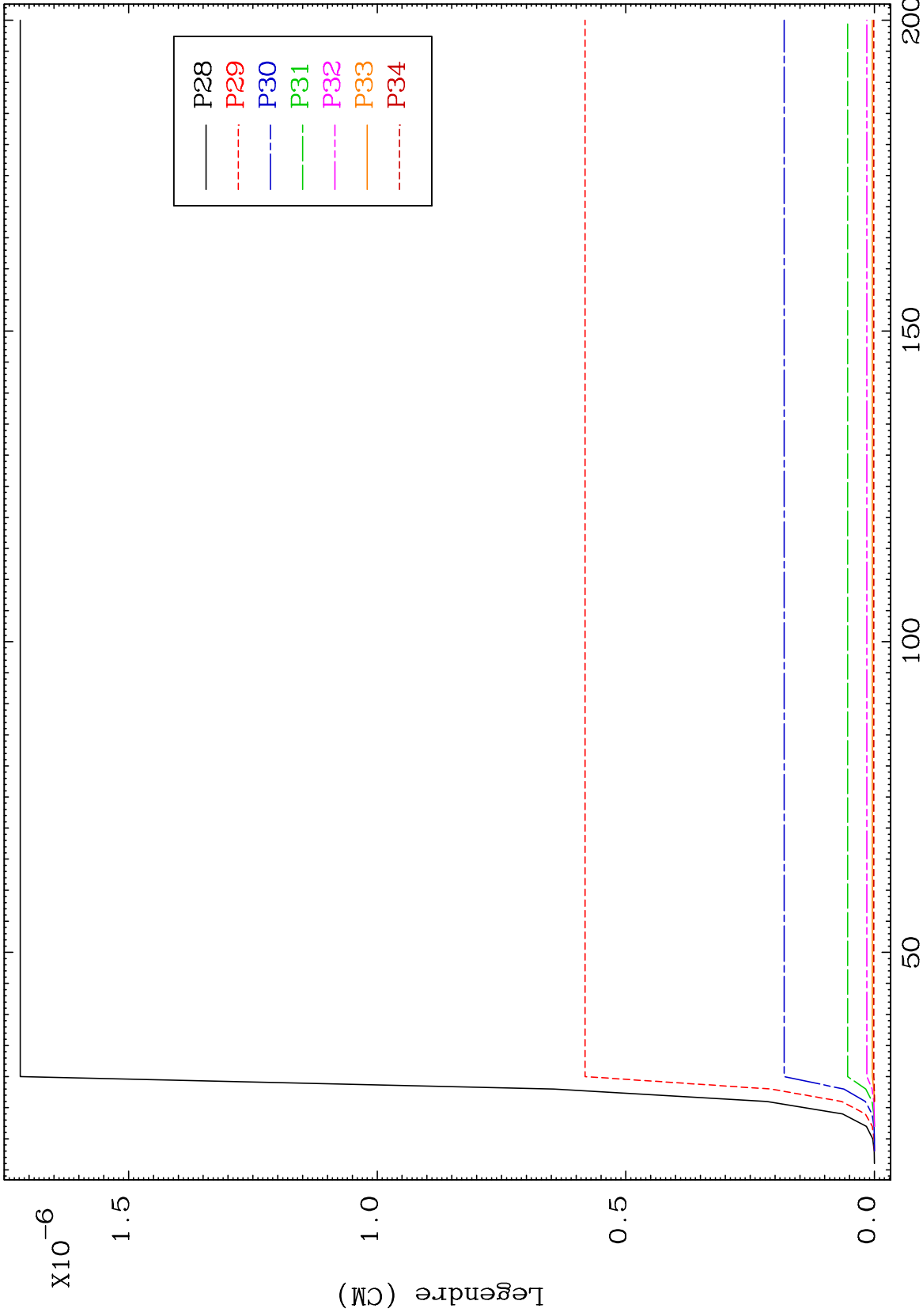


70 50 100 150 200 Incident Energy (MeV) 50-Sn-109

MAT 5016

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

50-Sn-109

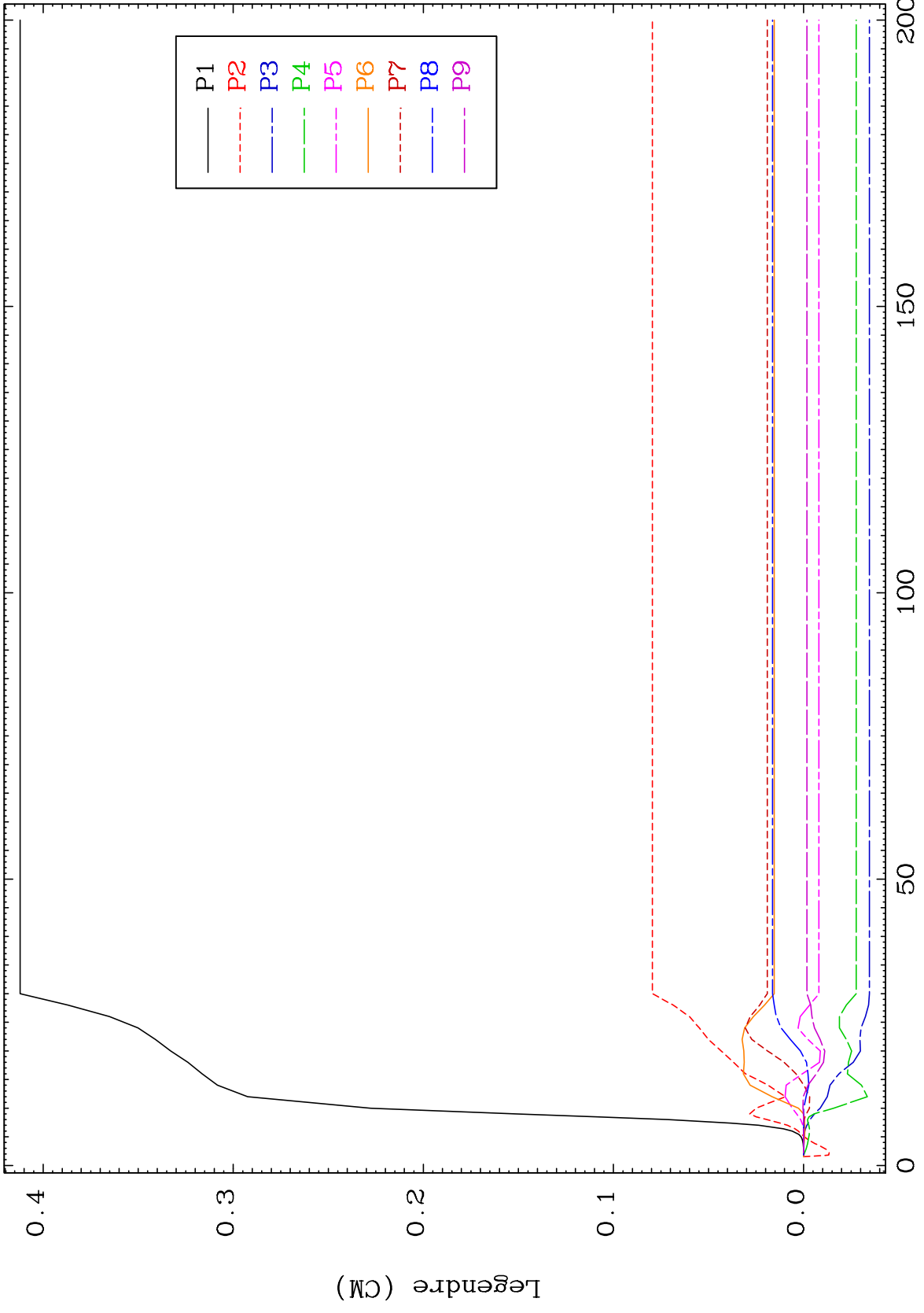


71

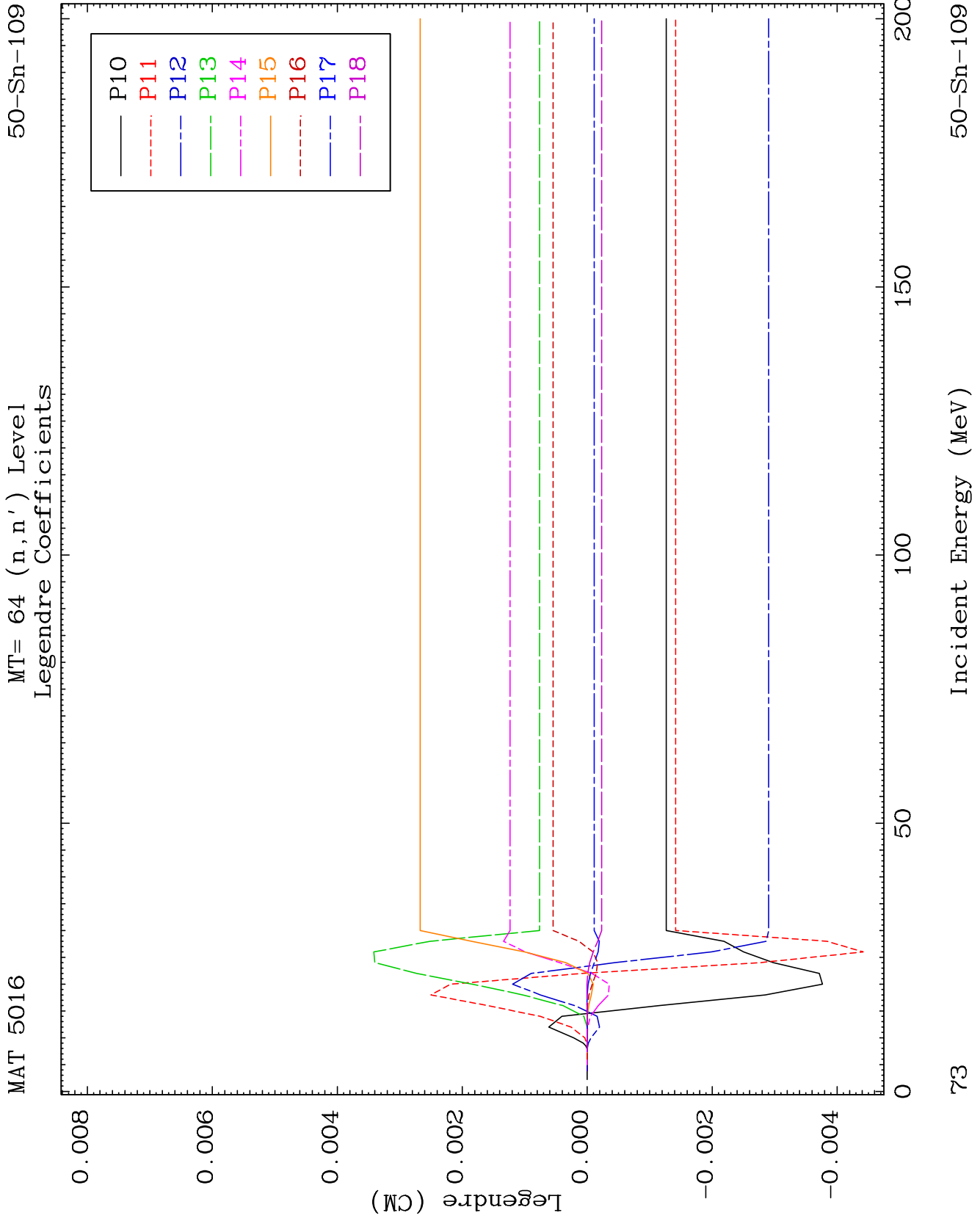
Incident Energy (MeV)

50-Sn-109

MAT 5016 MT= 64 (n,n') Level Legendre Coefficients 50-Sn-109



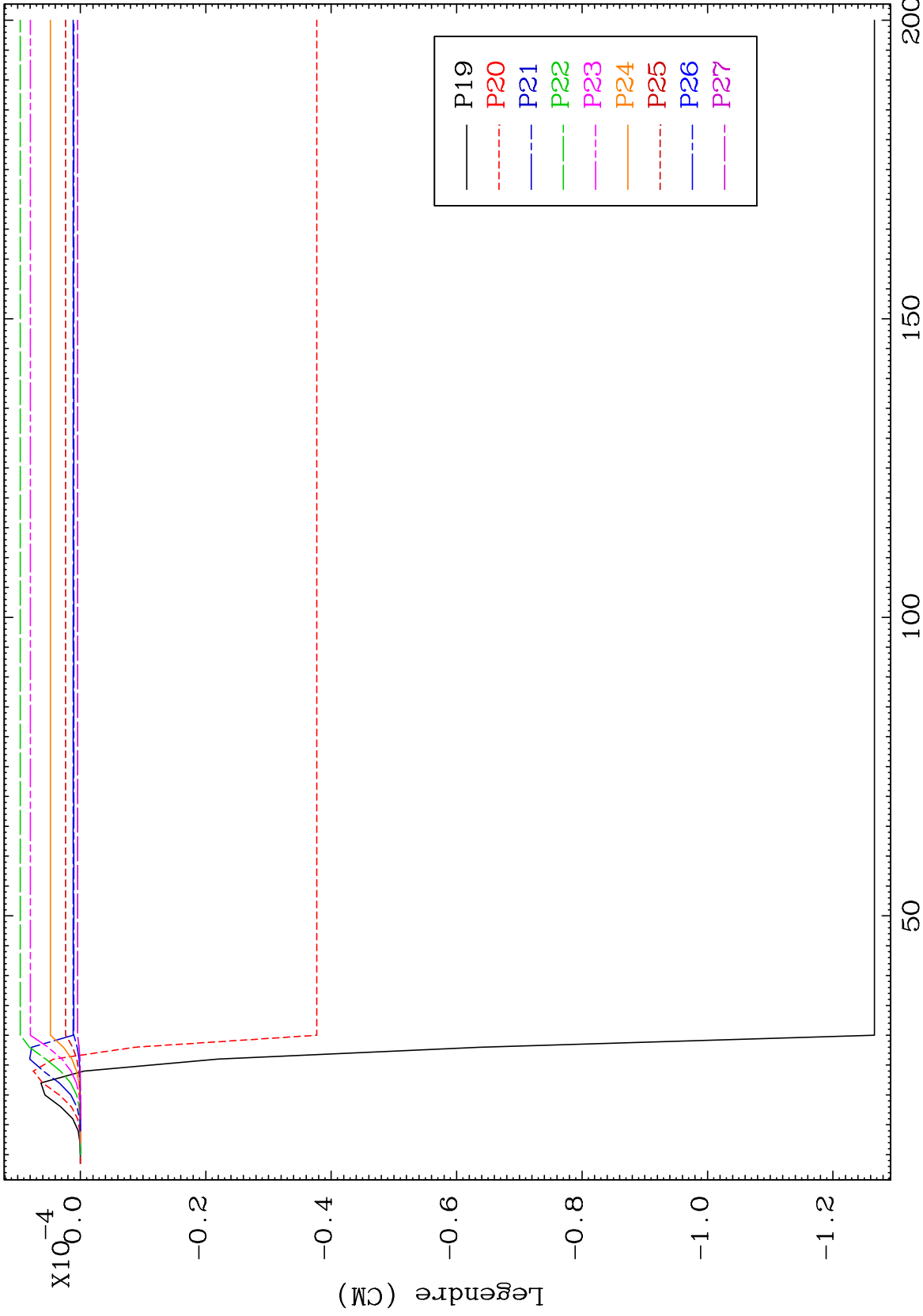
72 Incident Energy (MeV) 50-Sn-109



MAT 5016

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

50-Sn-109



50-Sn-109

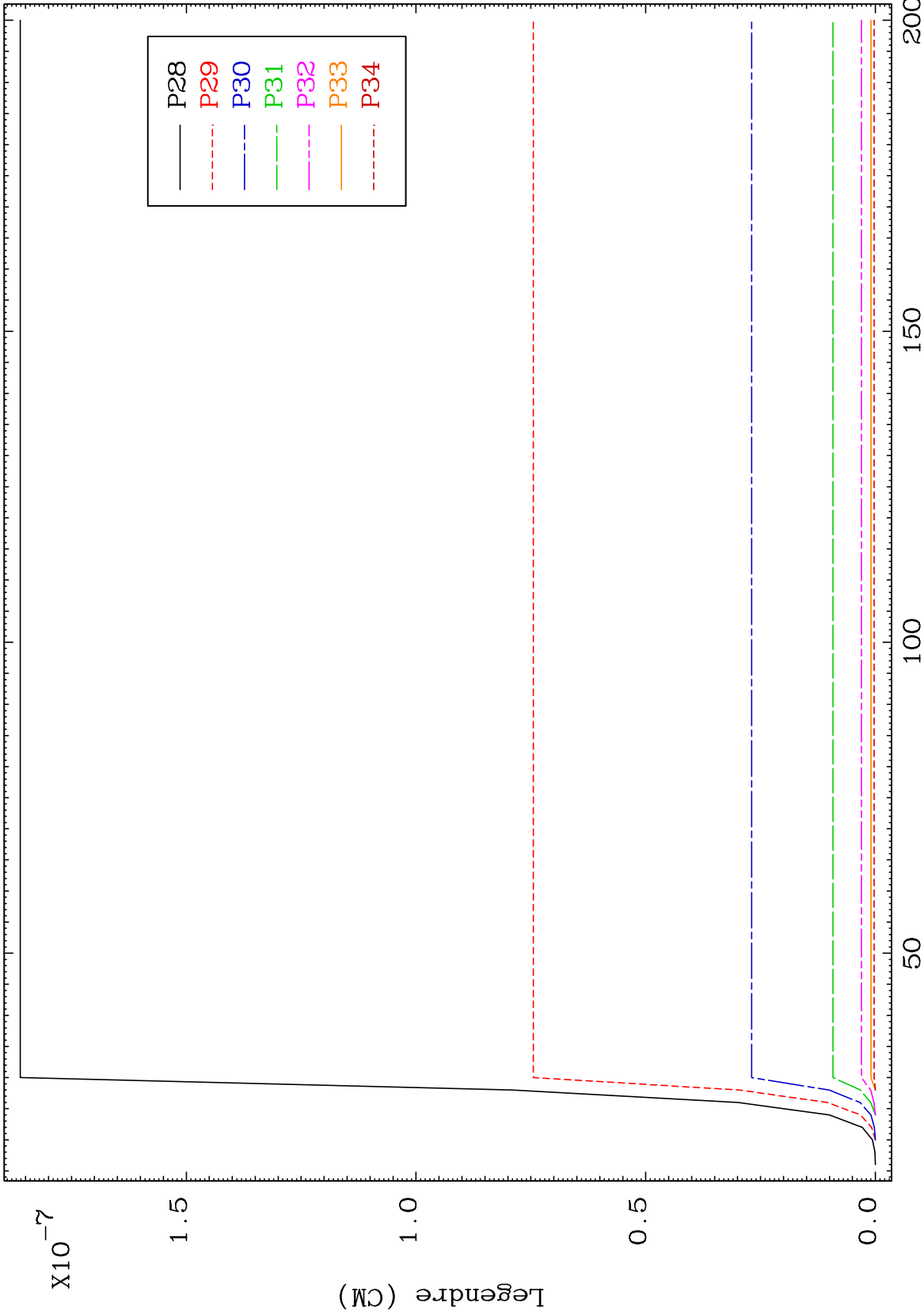
Incident Energy (MeV)

74

MAT 5016

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

50-Sn-109

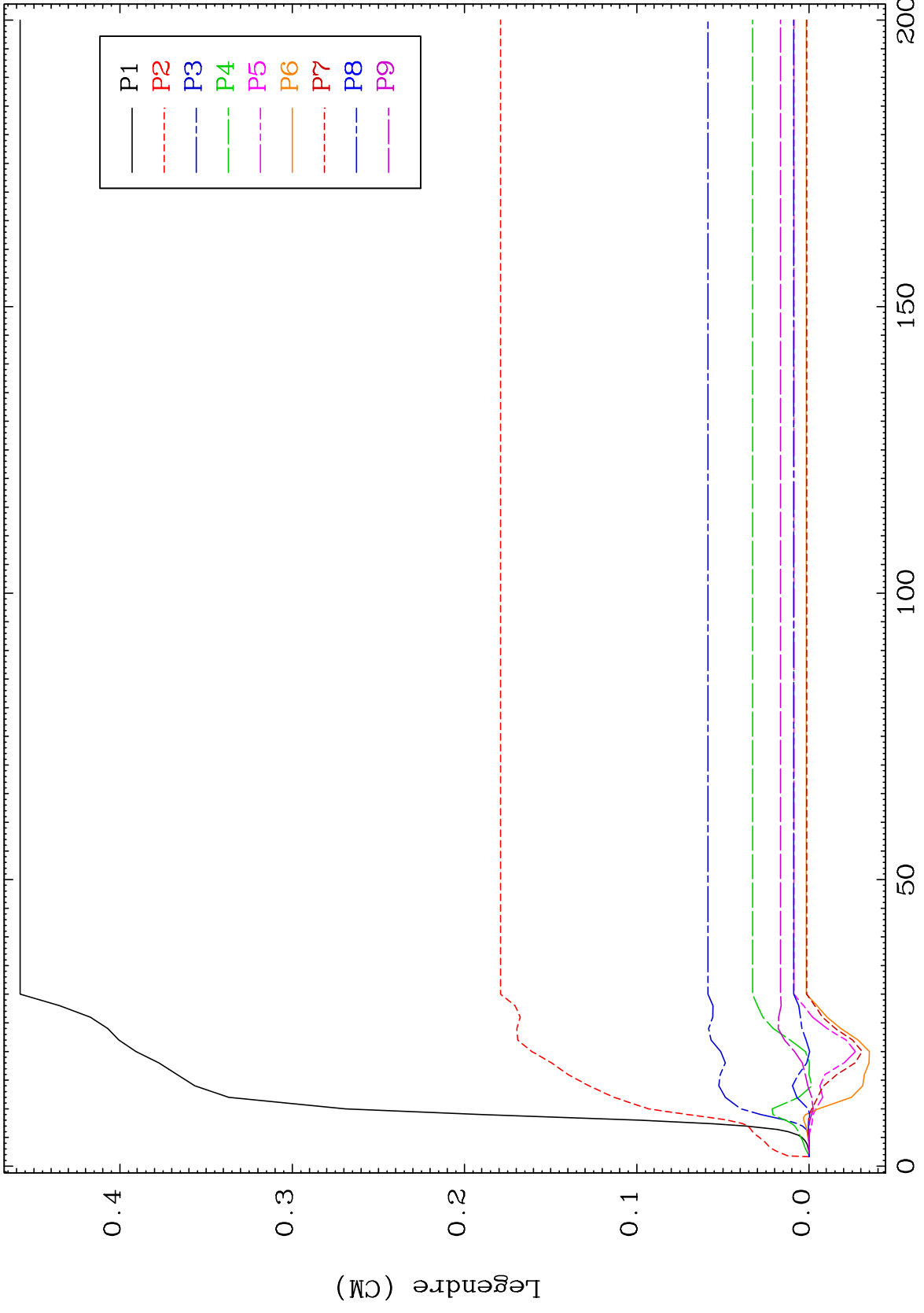


75

Incident Energy (MeV)

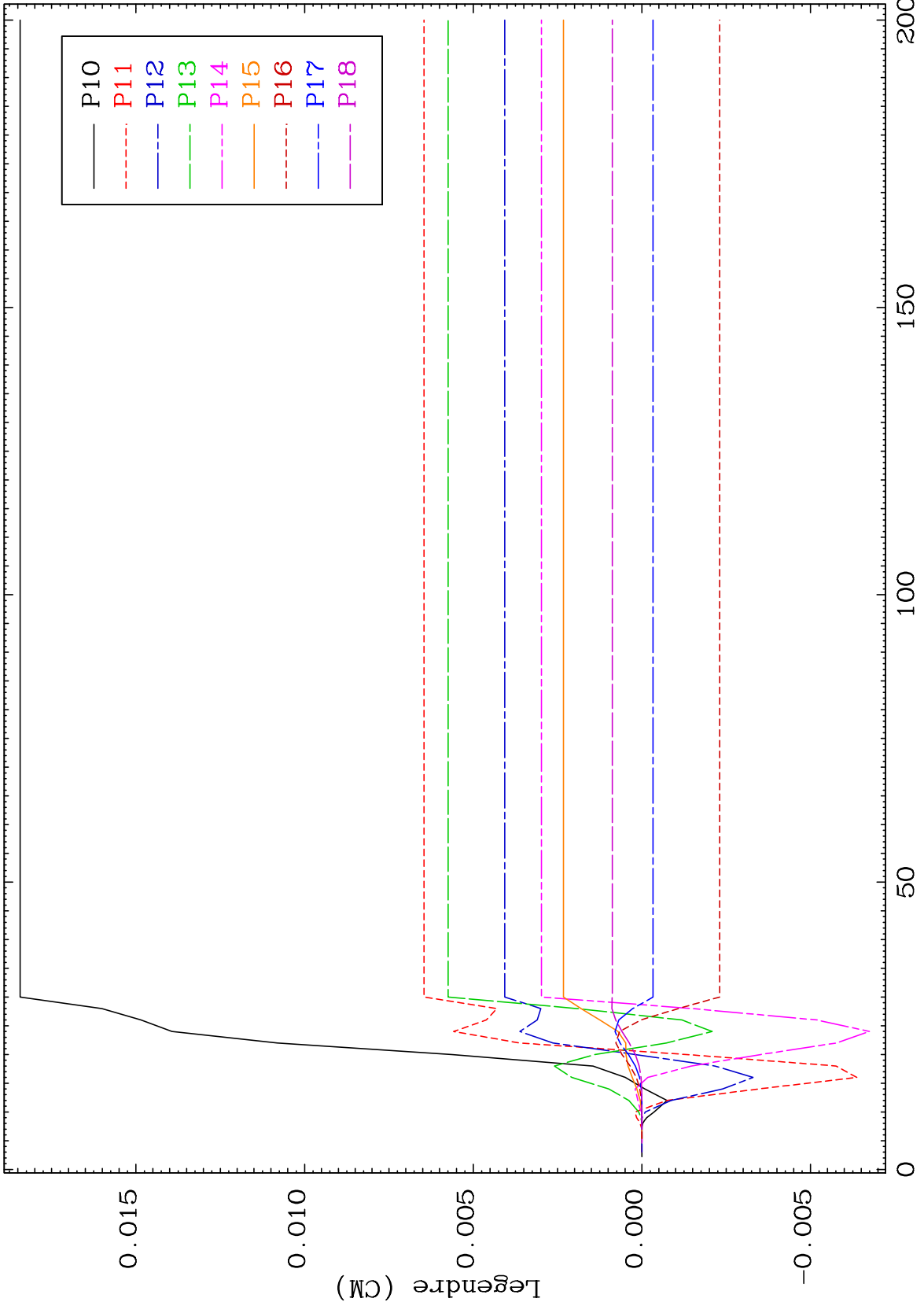
50-Sn-109

MAT 5016 MT= 65 (n,n') Level Legendre Coefficients 50-Sn-109



76 Incident Energy (MeV) 50-Sn-109

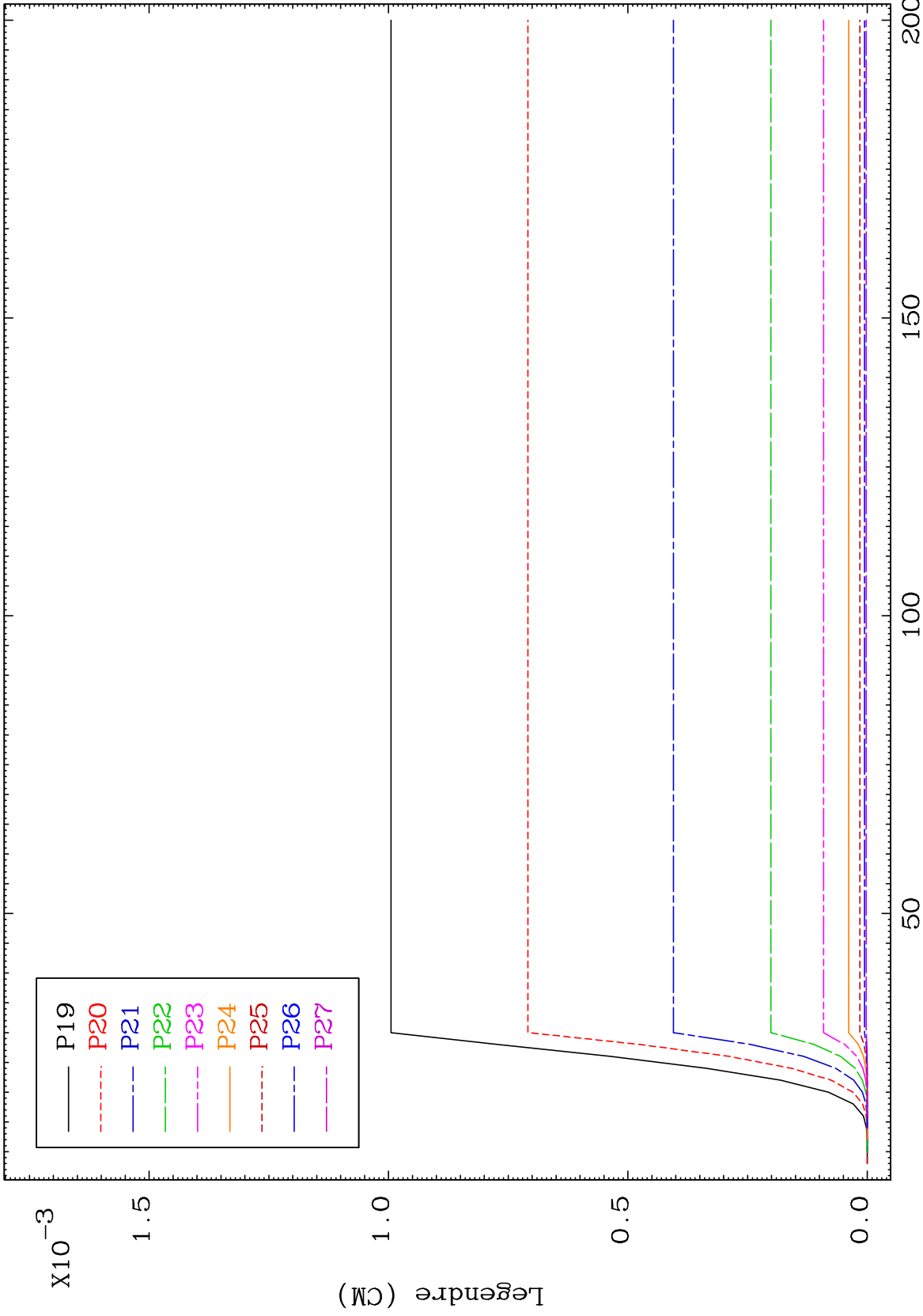
MAT 5016 MT= 65 (n,n') Level Legendre Coefficients 50-Sn-109



MAT 5016

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

50-Sn-109



78

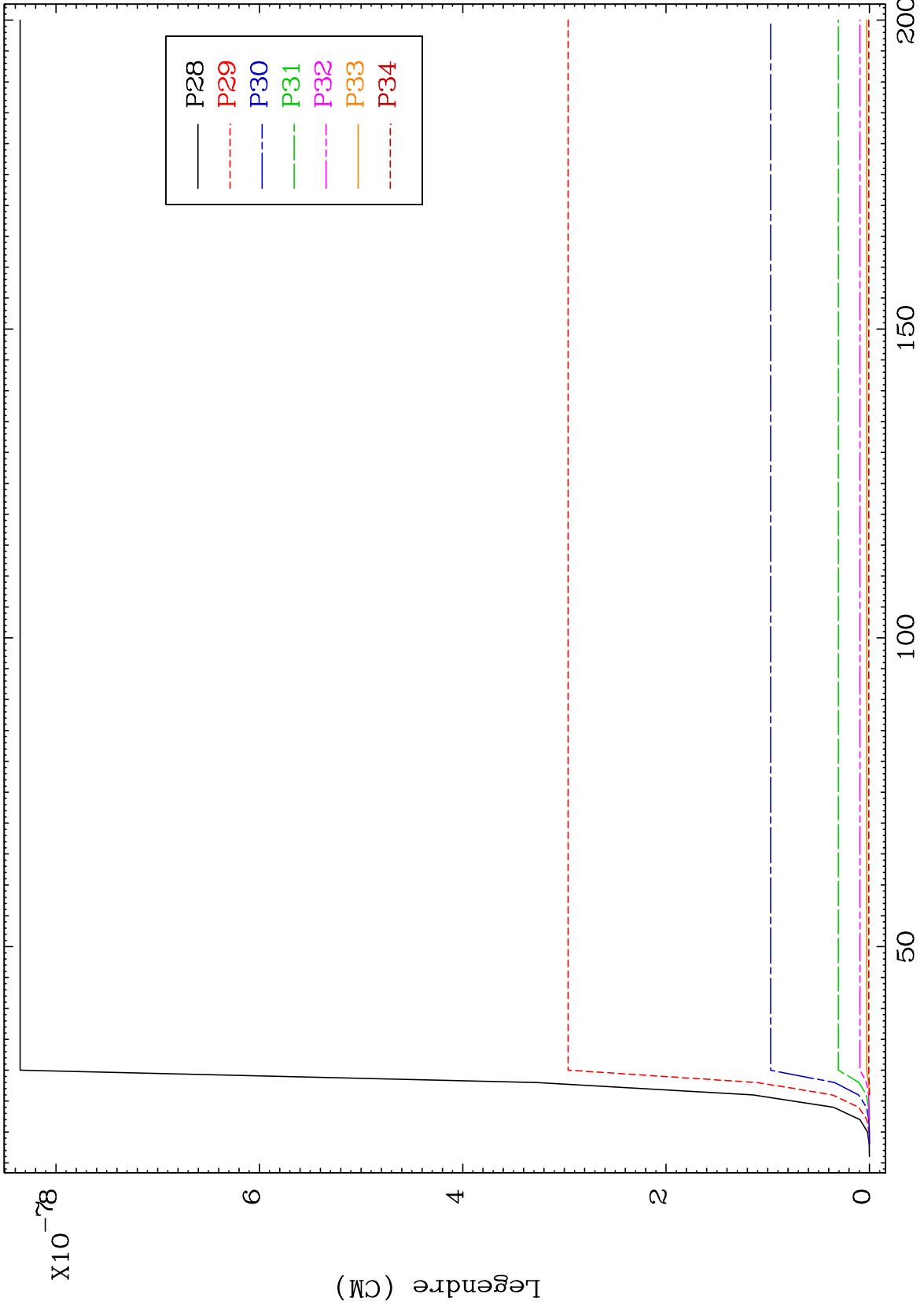
Incident Energy (MeV)

50-Sn-109

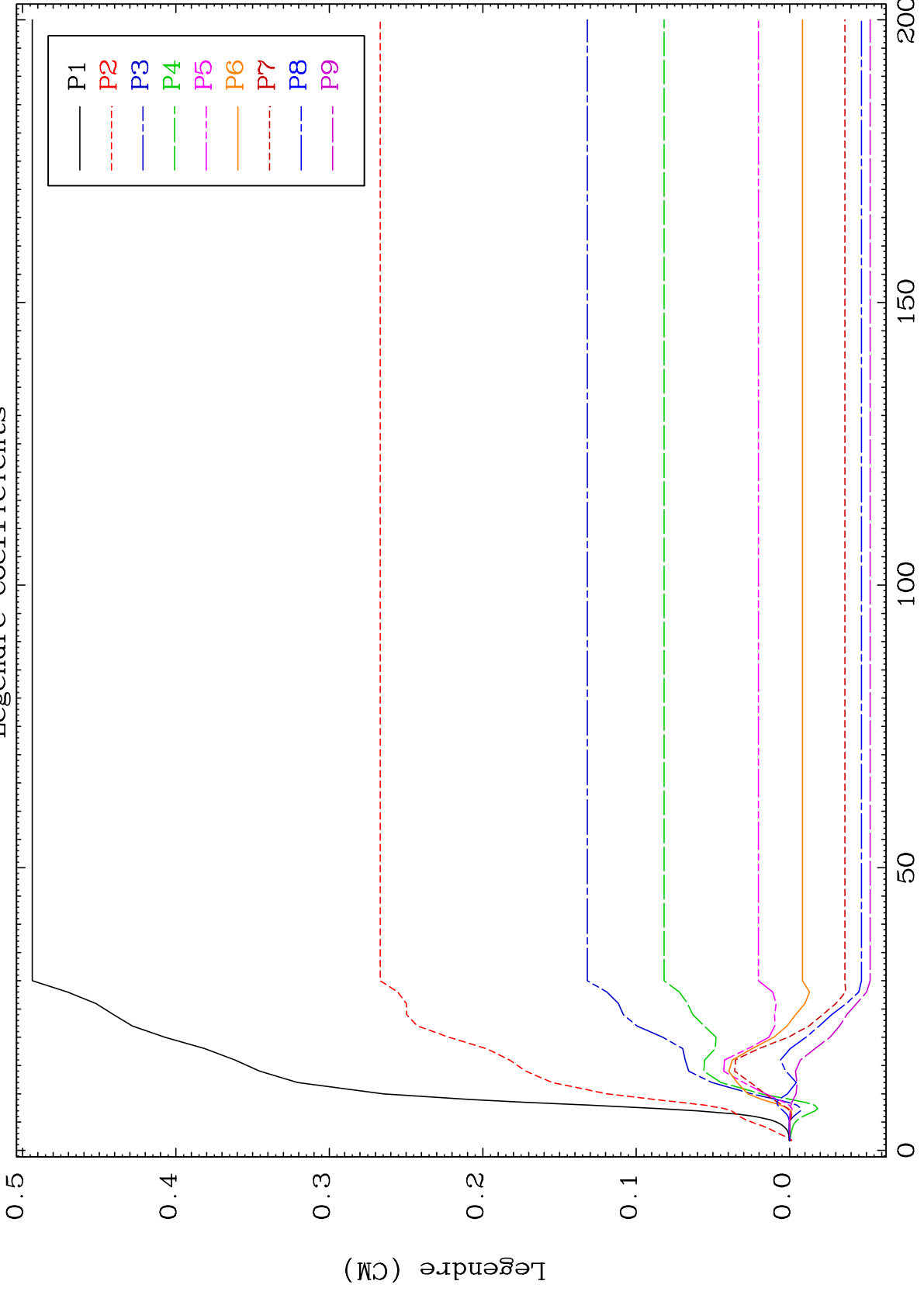
MAT 5016

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

50-Sn-109

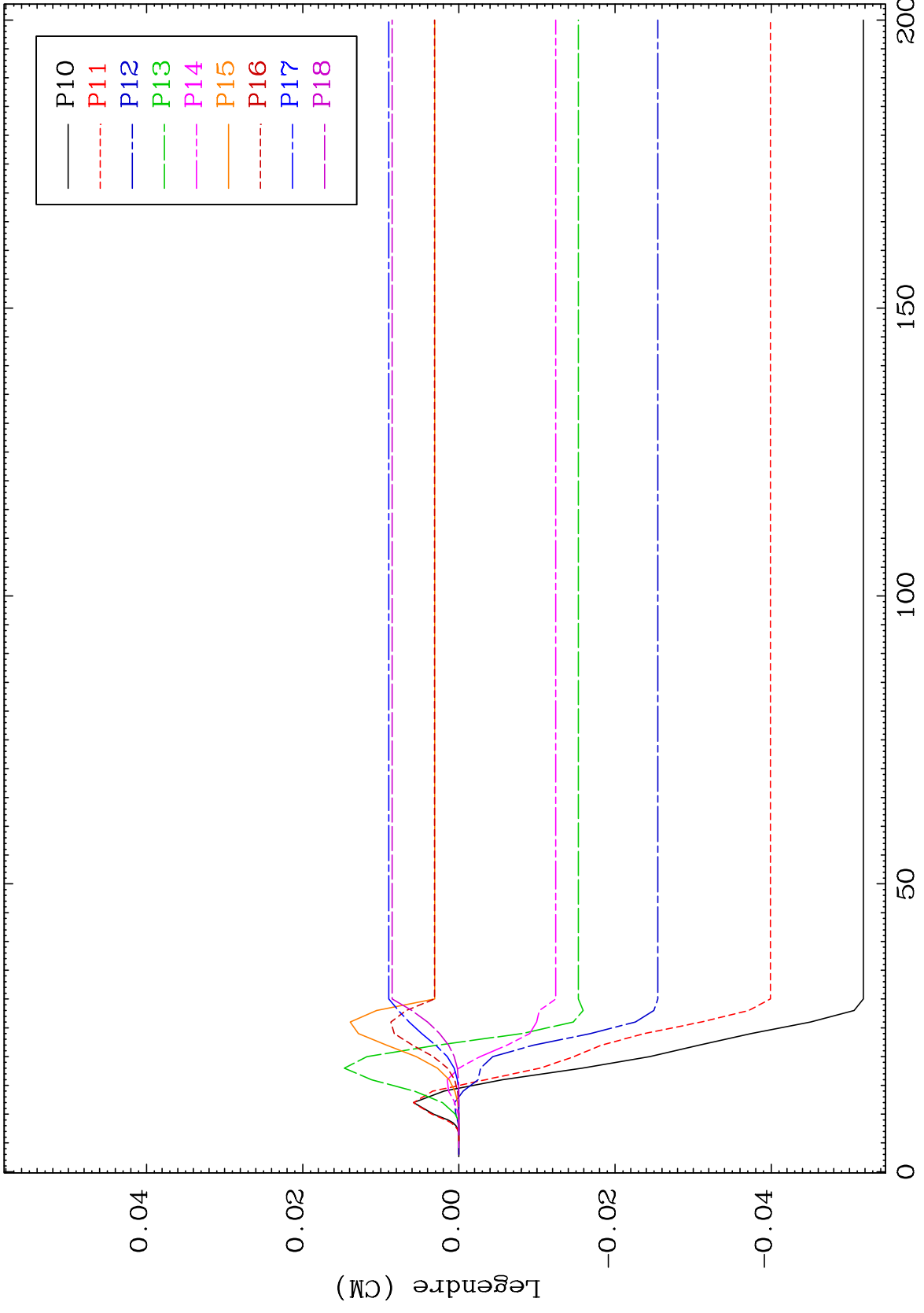


MAT 5016 MT= 66 (n,n') Level Legendre Coefficients 50-Sn-109



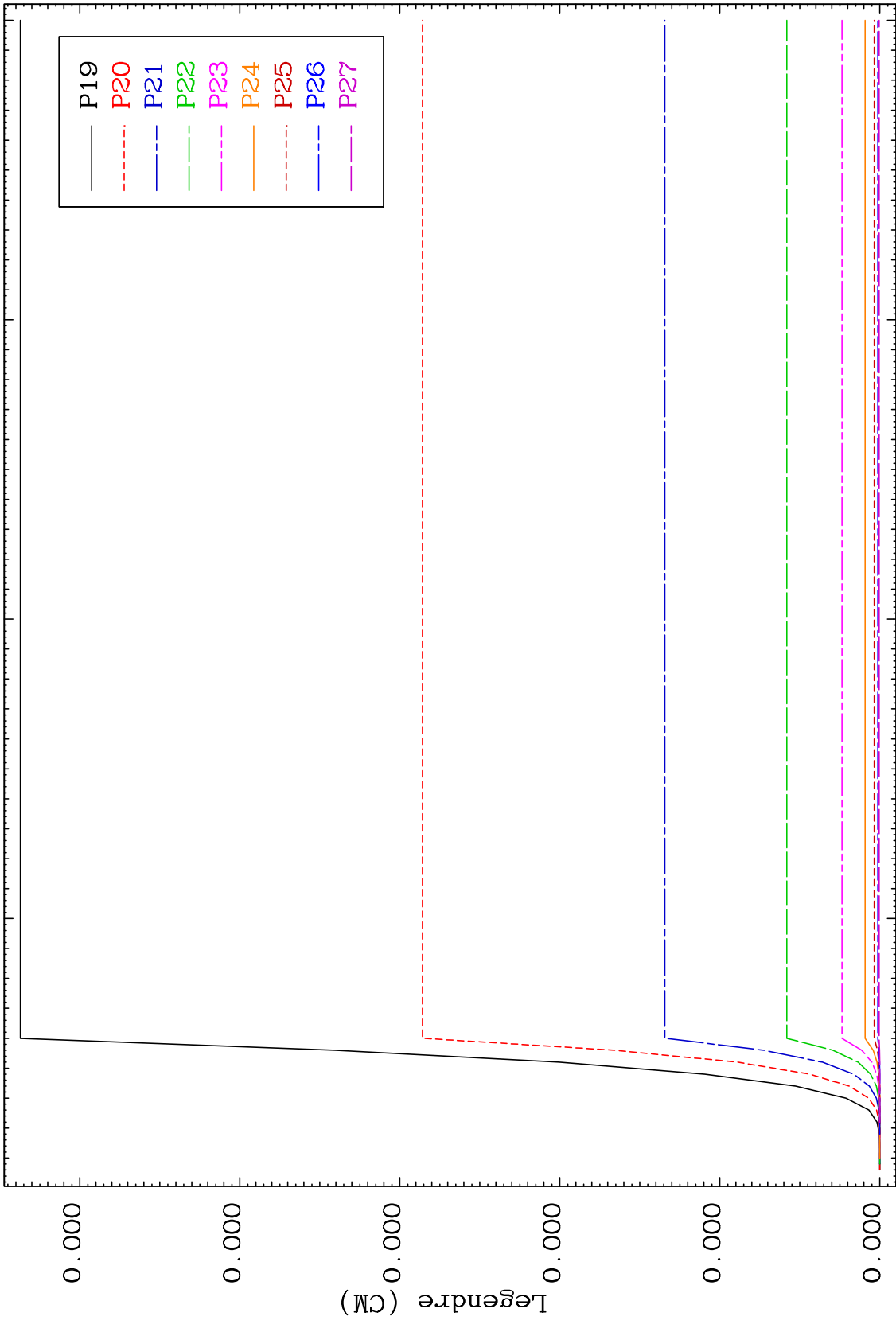
Legendre (CM) Incident Energy (MeV) 50-Sn-109

MAT 5016 MT= 66 (n,n') Level Legendre Coefficients 50-Sn-109



81 50-Sn-109

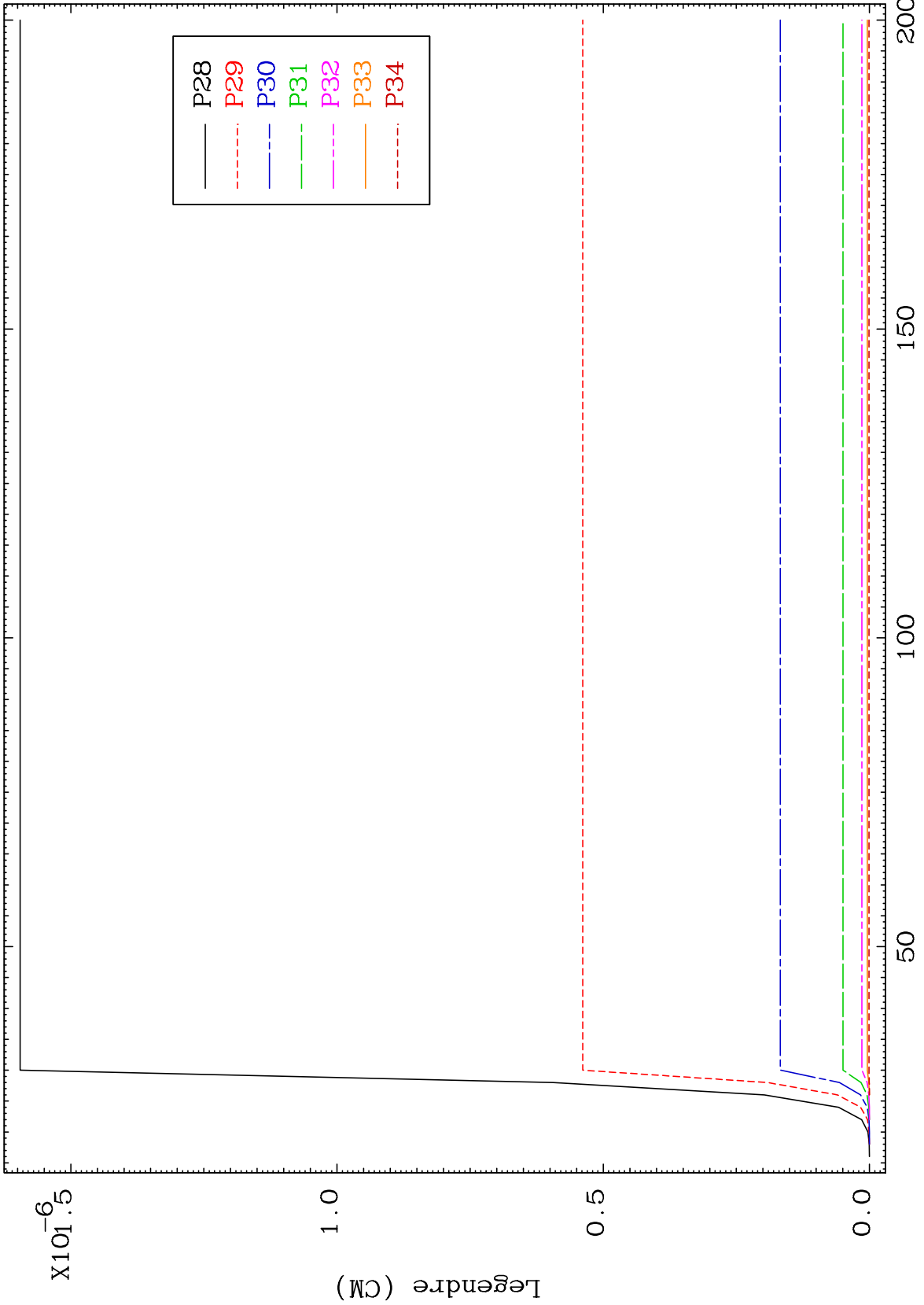
MAT 5016 MT= 66 (n,n') Level Legendre Coefficients 50-Sn-109



MAT 5016

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

50-Sn-109

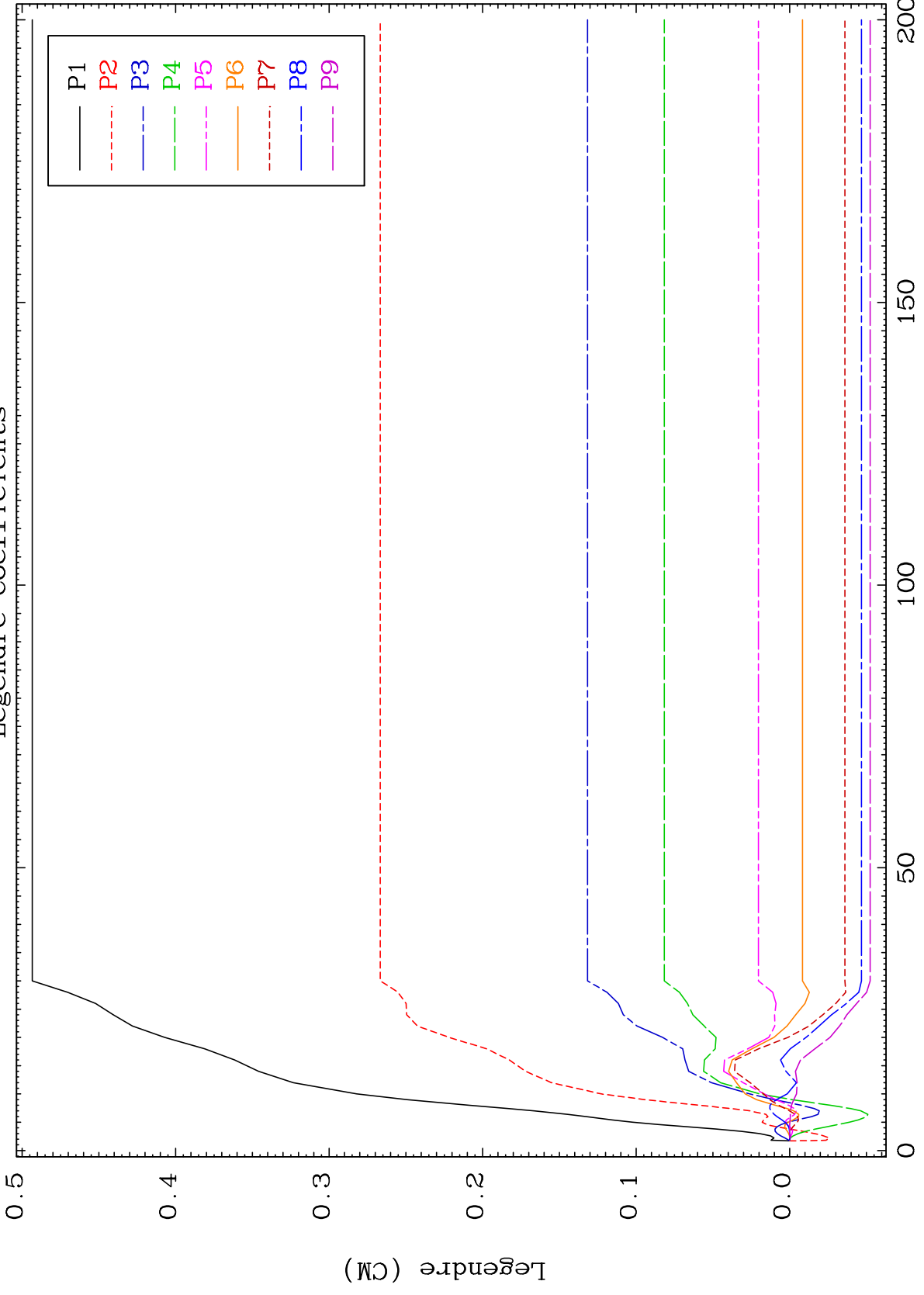


83

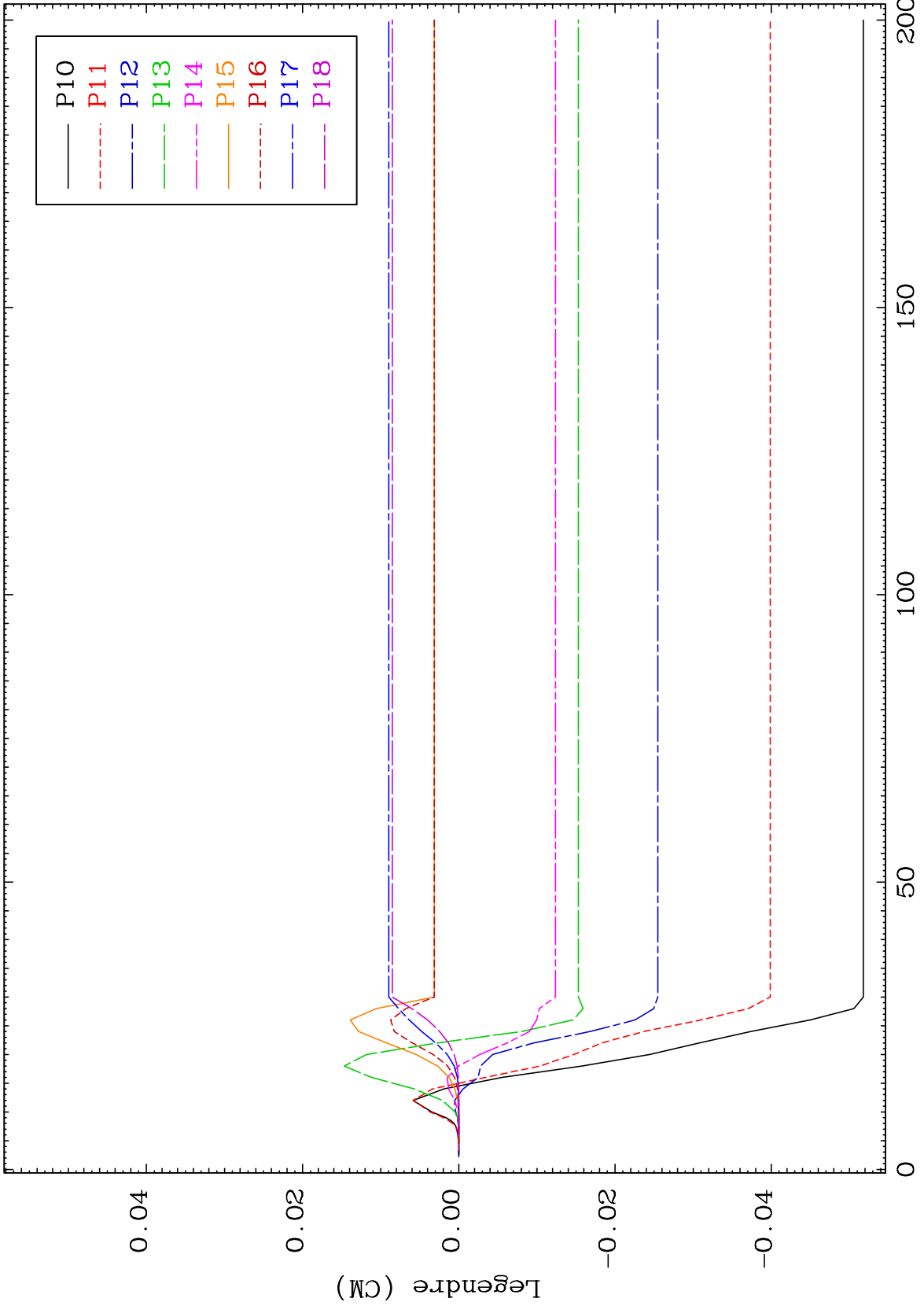
Incident Energy (MeV)

50-Sn-109

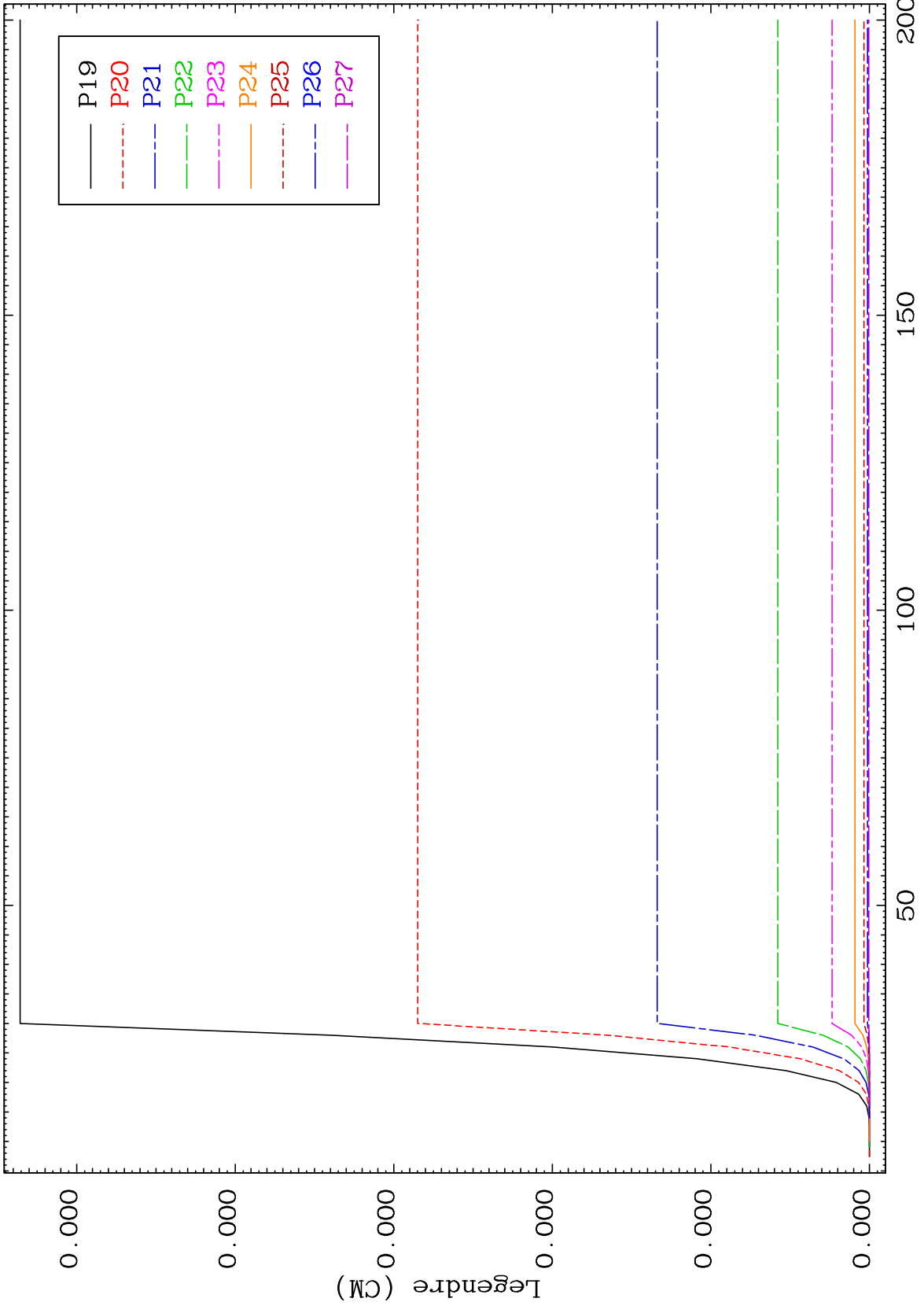
MAT 5016 MT= 67 (n,n') Level Legendre Coefficients 50-Sn-109



MAT 5016 MT= 67 (n,n') Level Legendre Coefficients 50-Sn-109



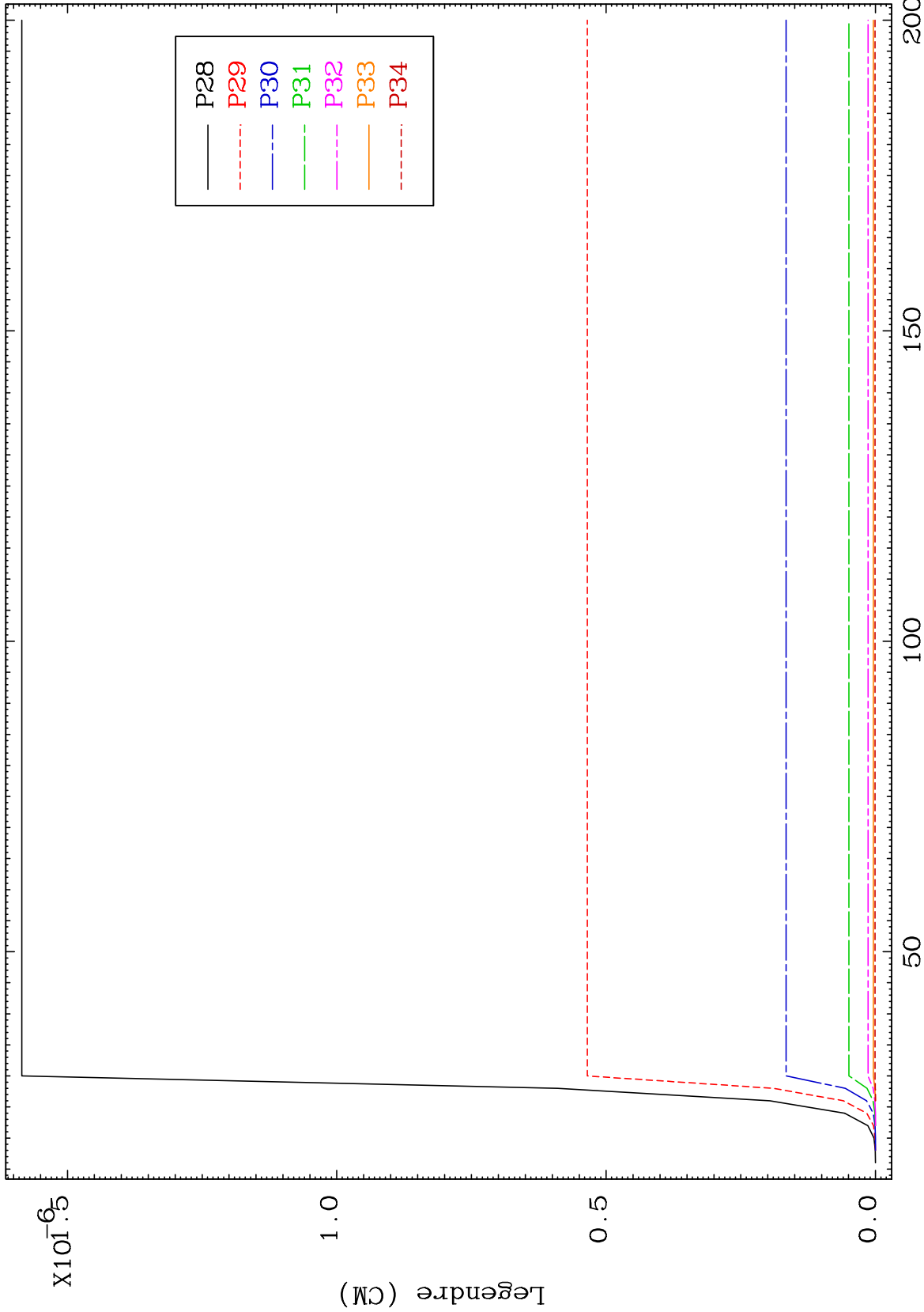
85 Incident Energy (MeV) 50-Sn-109



MAT 5016

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

50-Sn-109

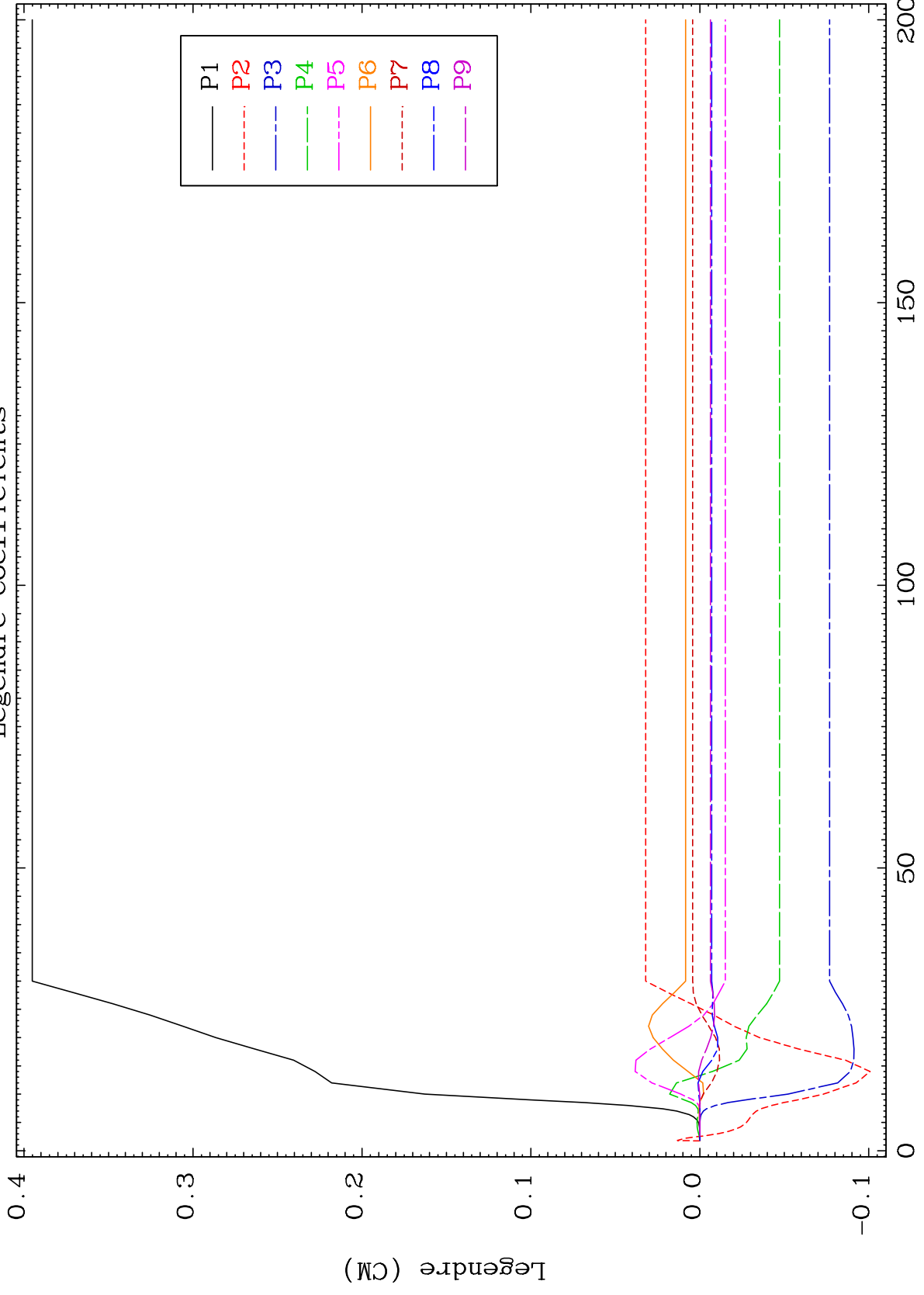


87

50-Sn-109

MAT 5016 MT= 68 (n,n') Level Legendre Coefficients

50-Sn-109

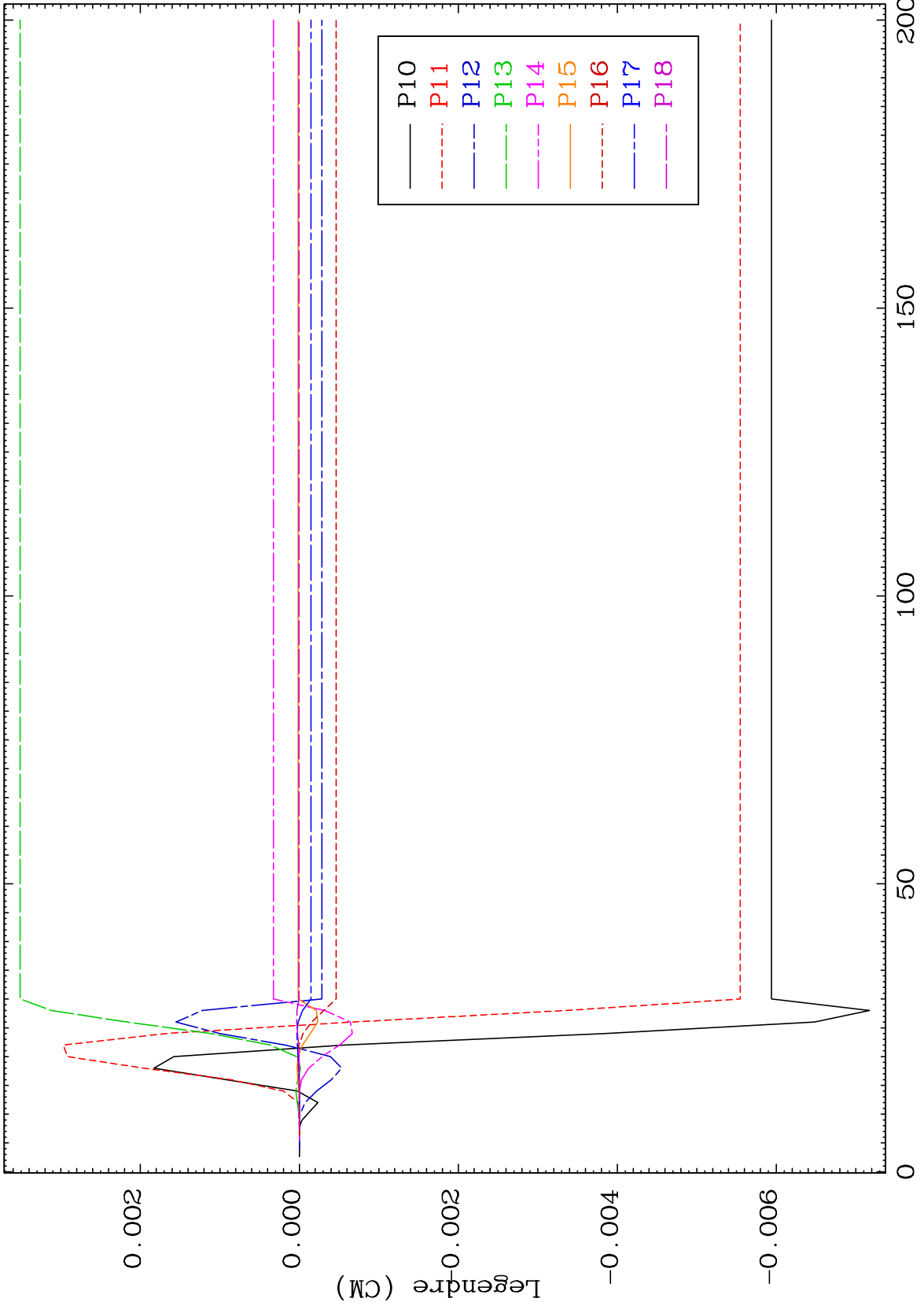


50-Sn-109

Incident Energy (MeV)

88

MAT 5016 MT= 68 (n,n') Level Legendre Coefficients 50-Sn-109

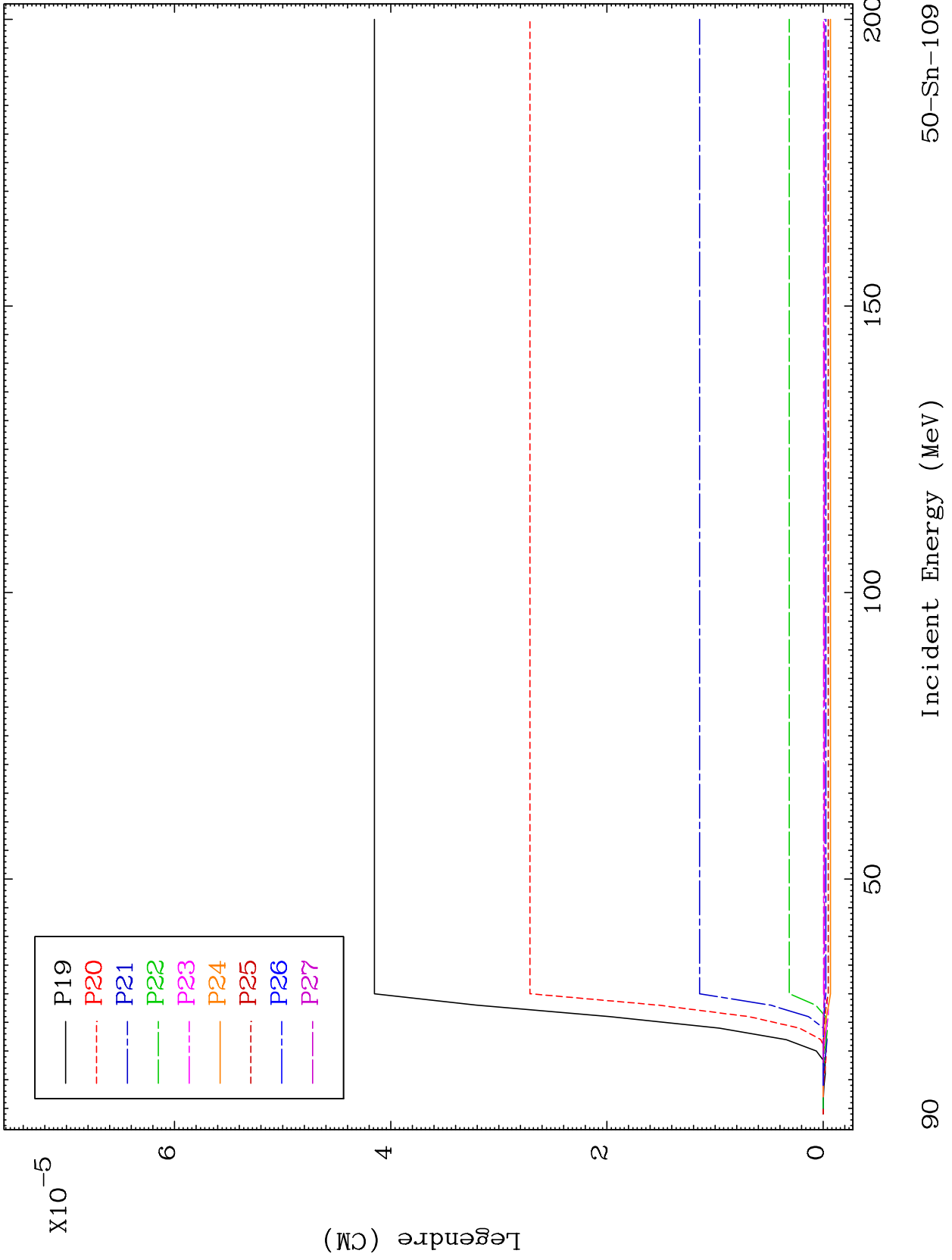


89 Incident Energy (MeV) 50-Sn-109

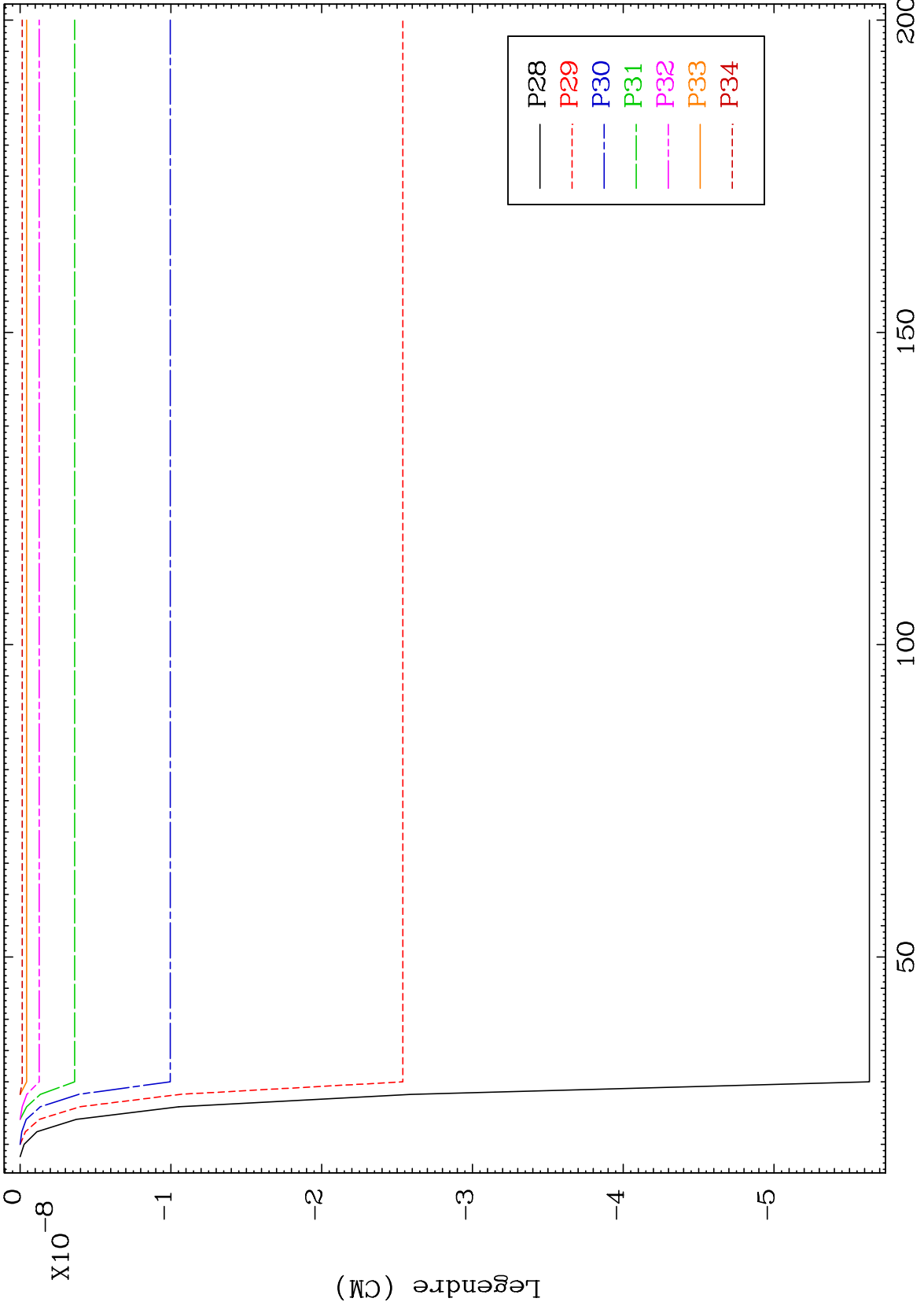
MAT 5016

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

50-Sn-109

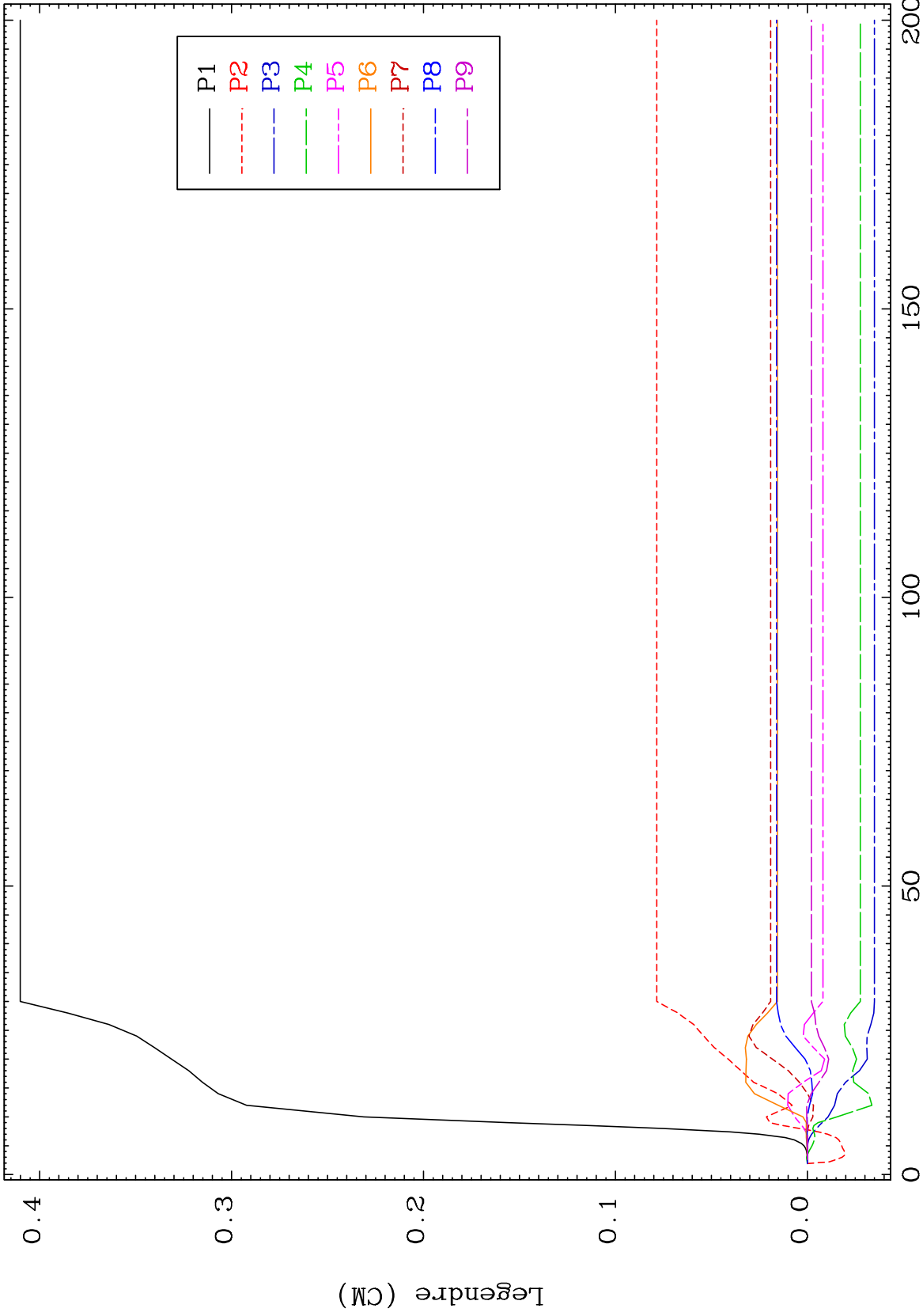


MAT 5016 MT= 68 (n,n') Level Legendre Coefficients 50-Sn-109



MAT 5016 MT= 69 (n,n') Level Legendre Coefficients

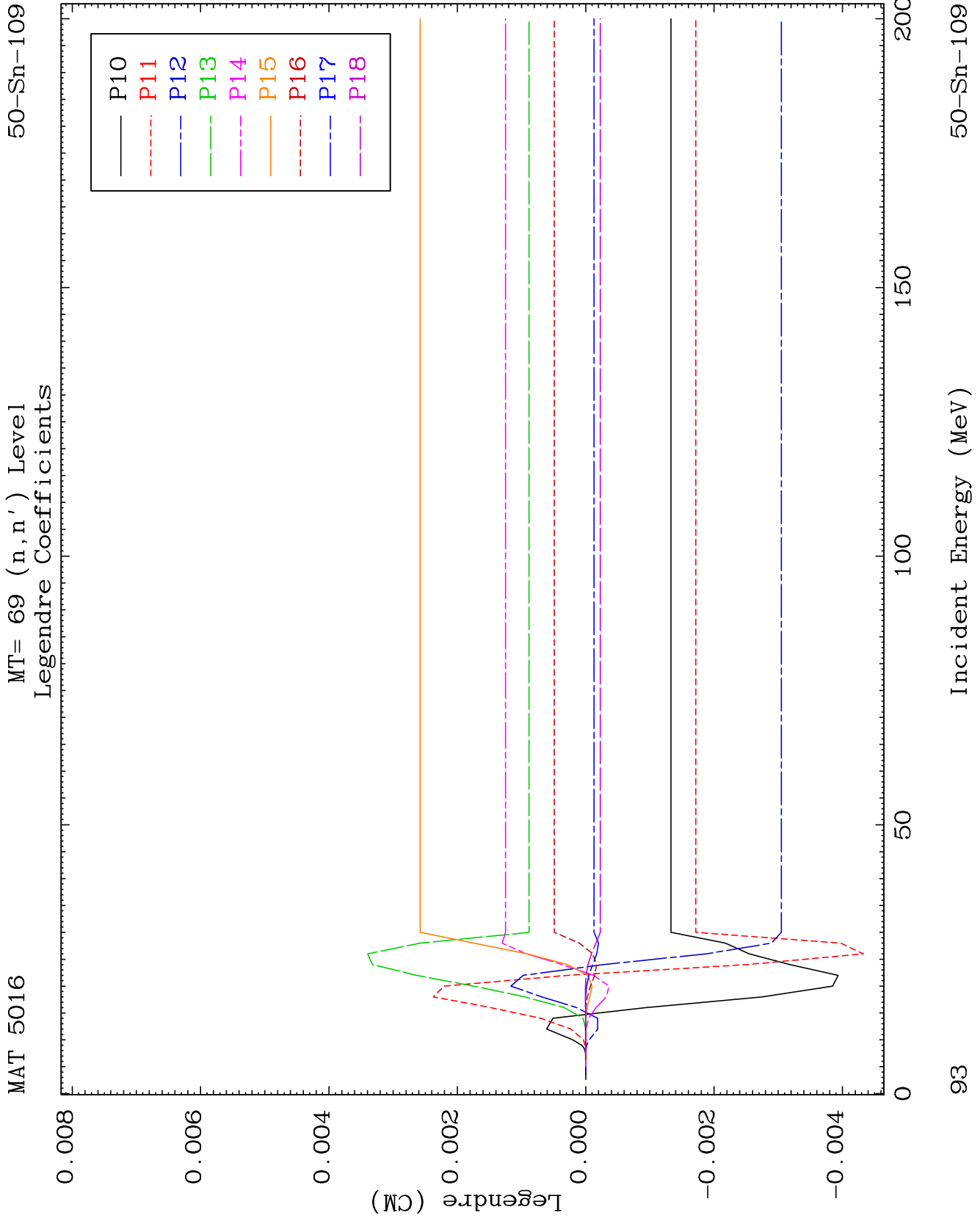
50-Sn-109



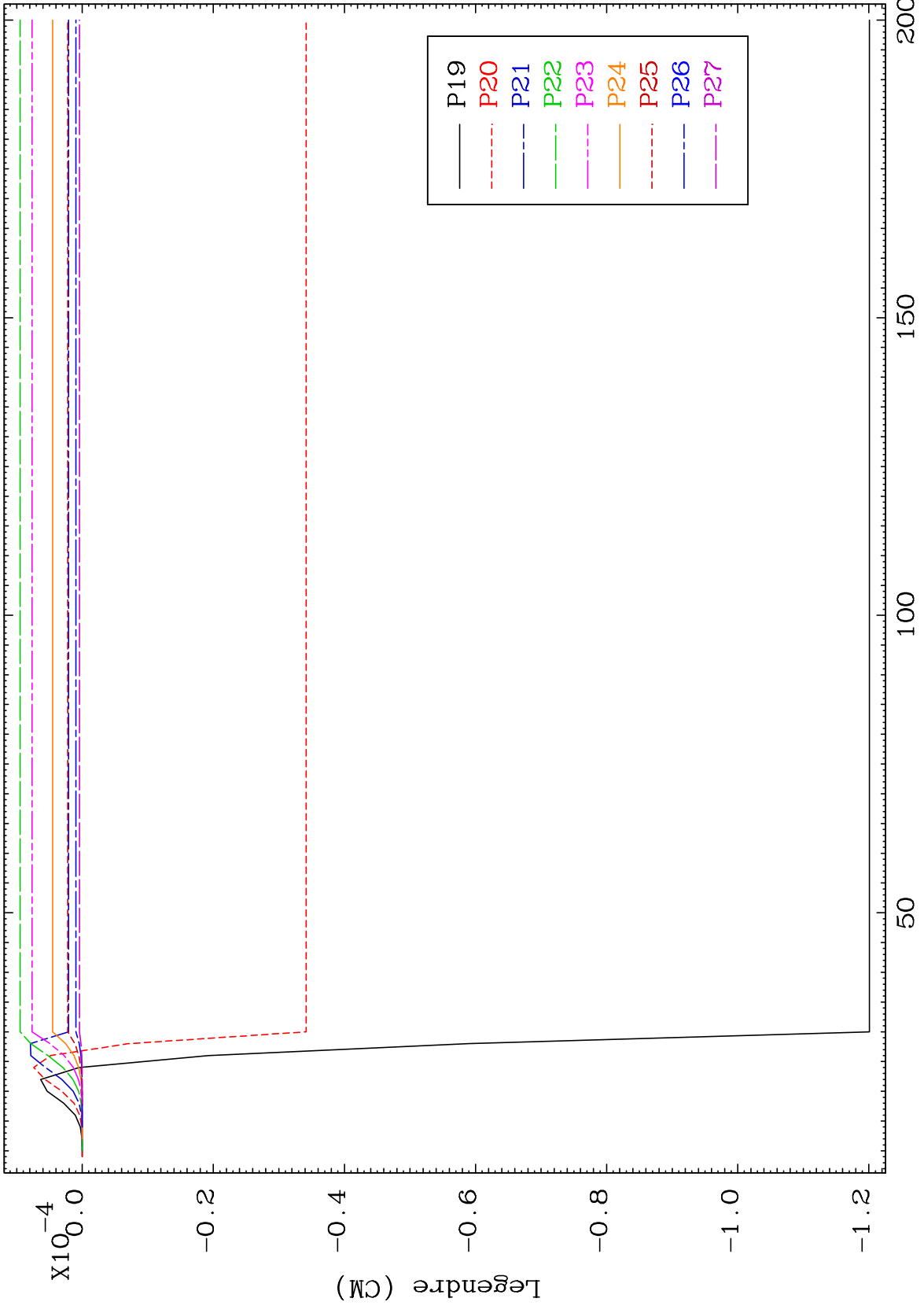
92

Incident Energy (MeV)

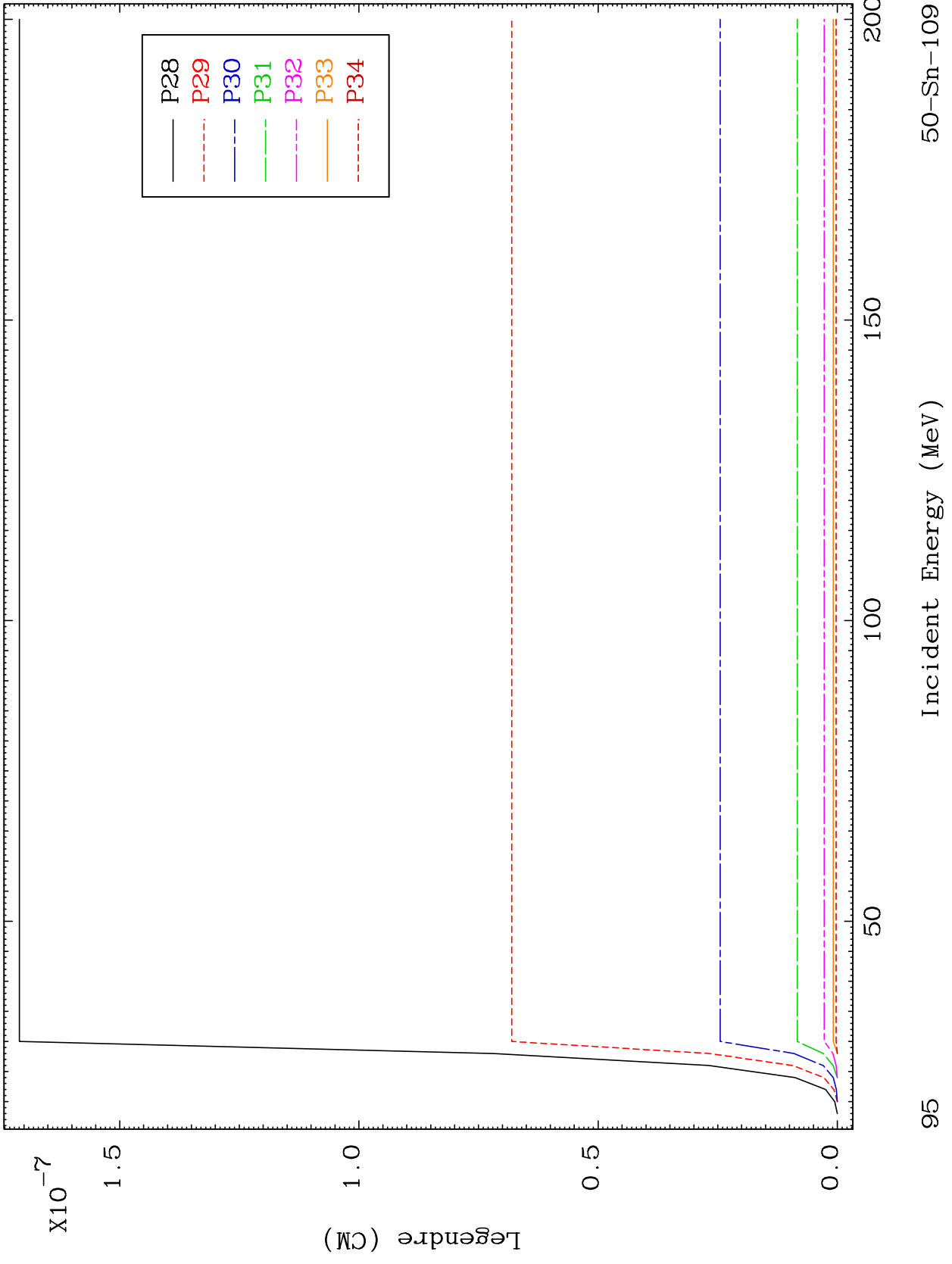
50-Sn-109



MAT 5016 MT= 69 (n,n') Level Legendre Coefficients 50-Sn-109

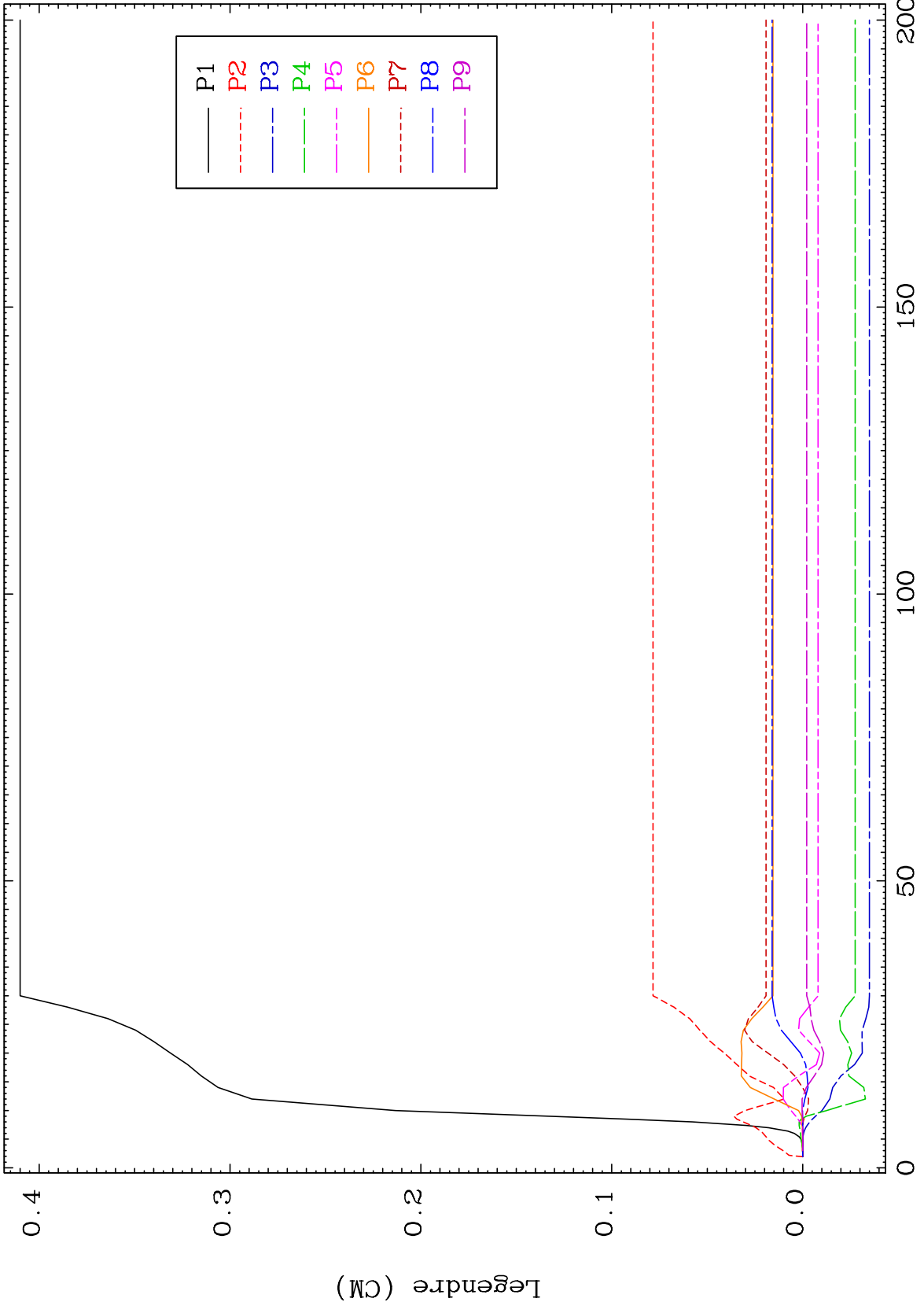


MAT 5016 MT= 69 (n,n') Level Legendre Coefficients 50-Sn-109



MAT 5016 MT= 70 (n,n') Level Legendre Coefficients

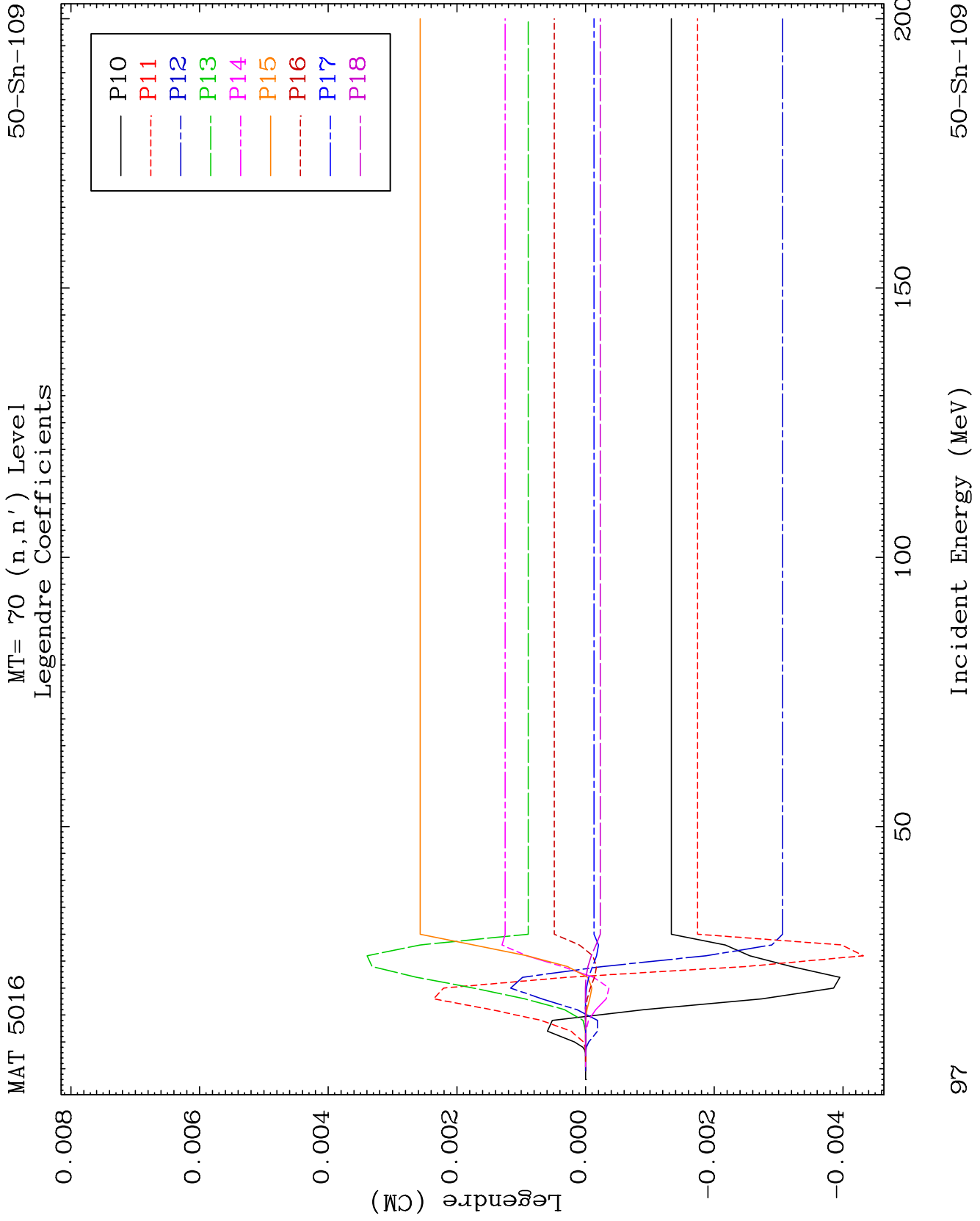
50-Sn-109



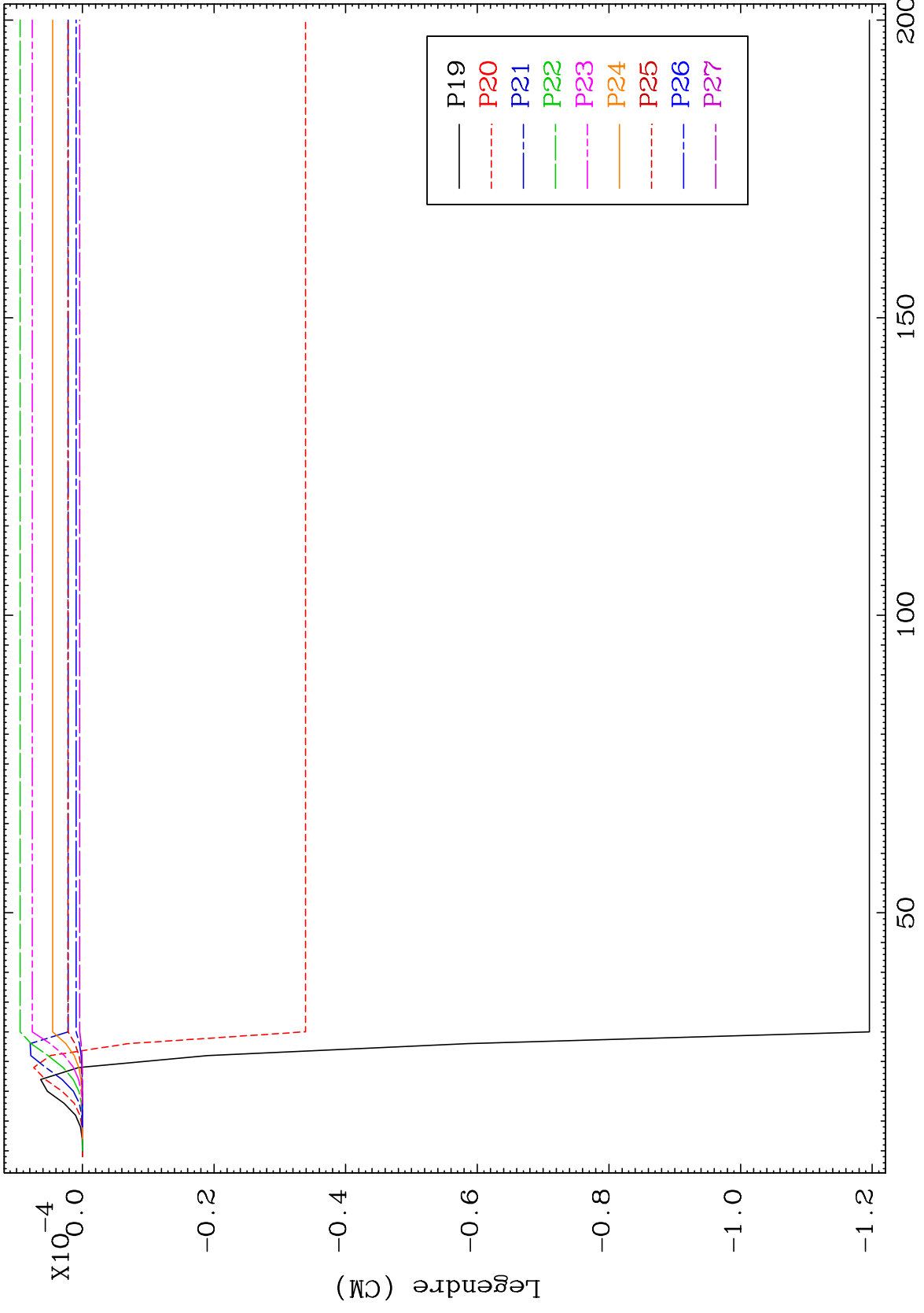
96

Incident Energy (MeV)

50-Sn-109



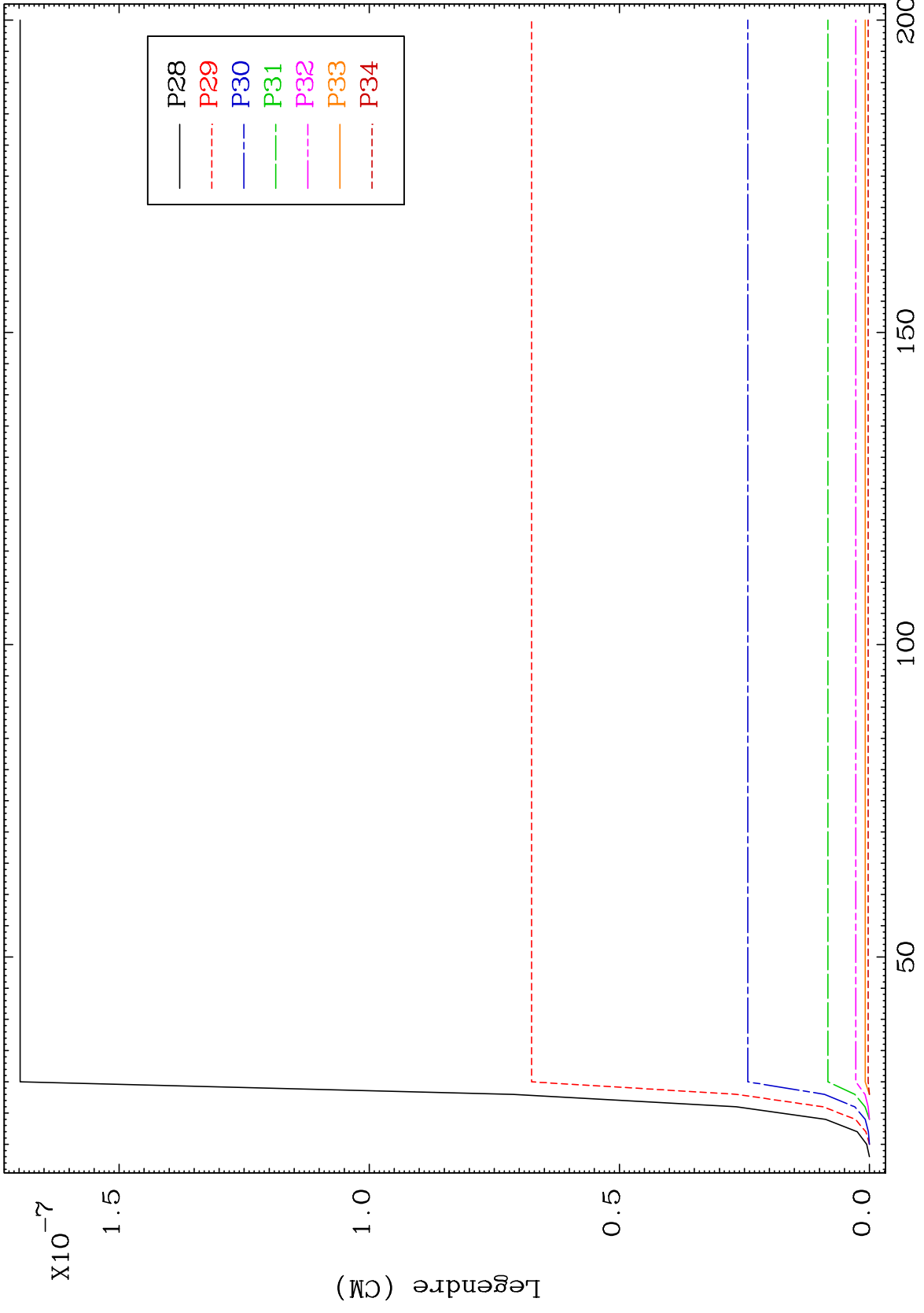
MAT 5016 MT= 70 (n,n') Level Legendre Coefficients 50-Sn-109



MAT 5016

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

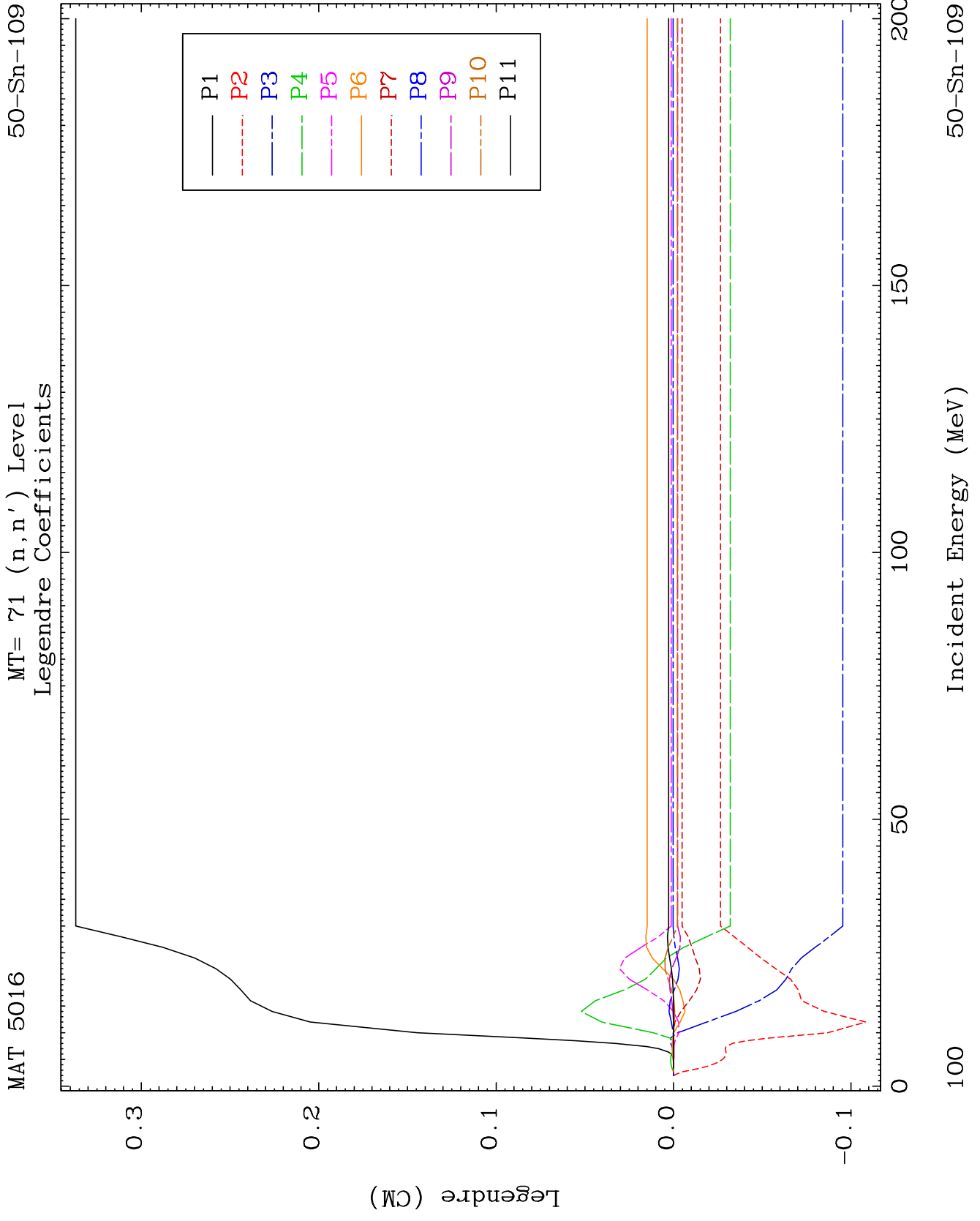
50-Sn-109



99

Incident Energy (MeV)

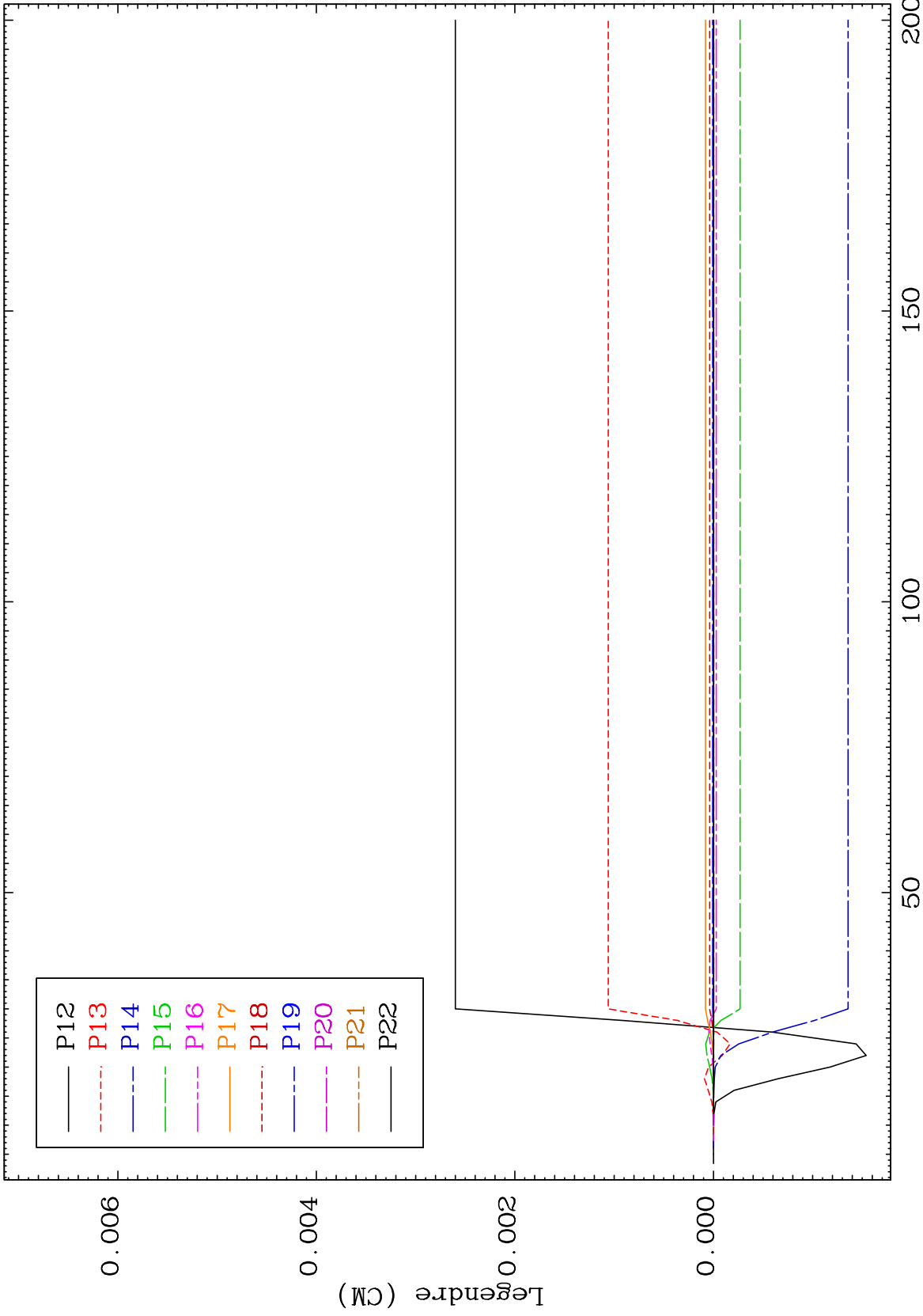
50-Sn-109



MAT 5016

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

50-Sn-109

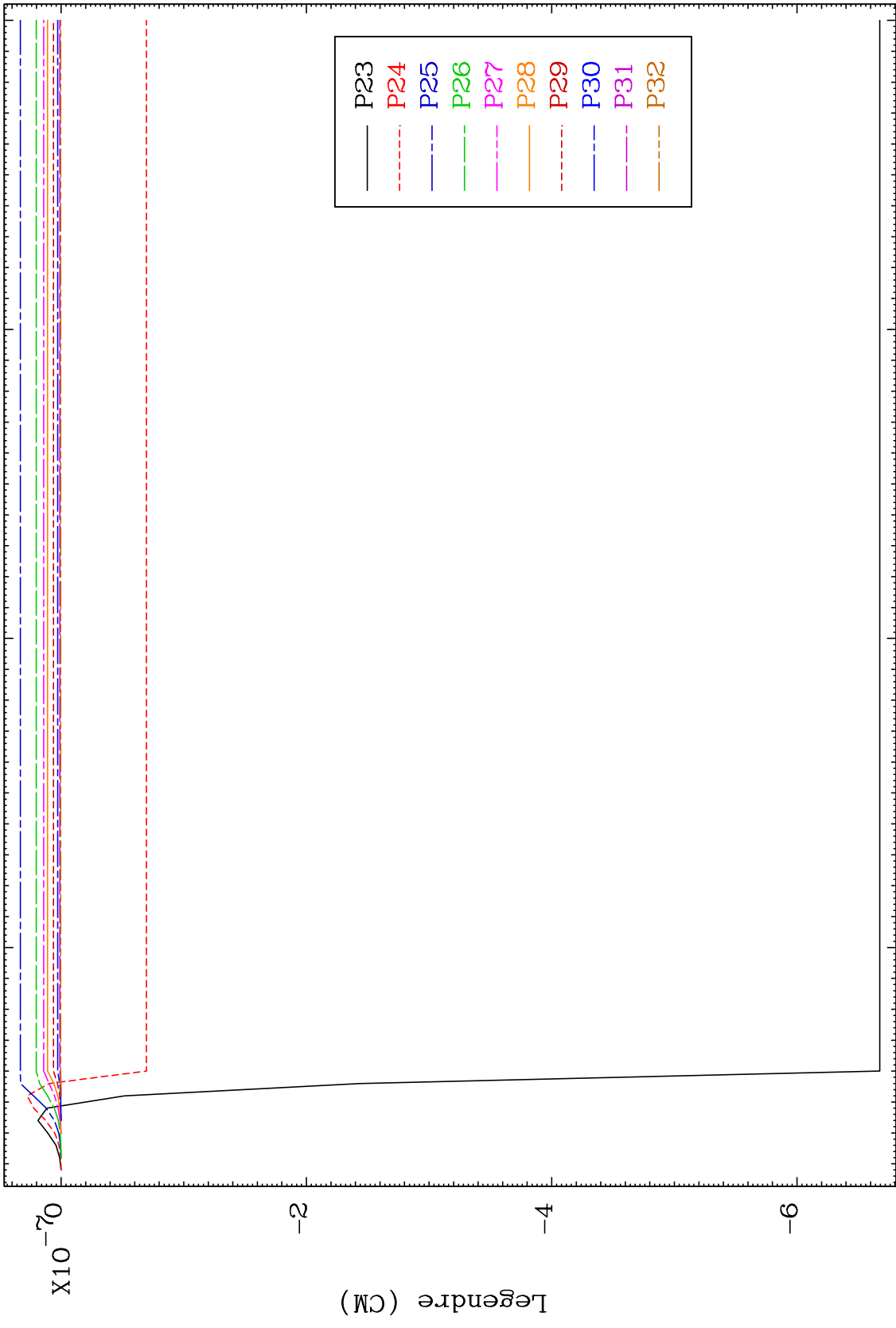


101

Incident Energy (MeV)

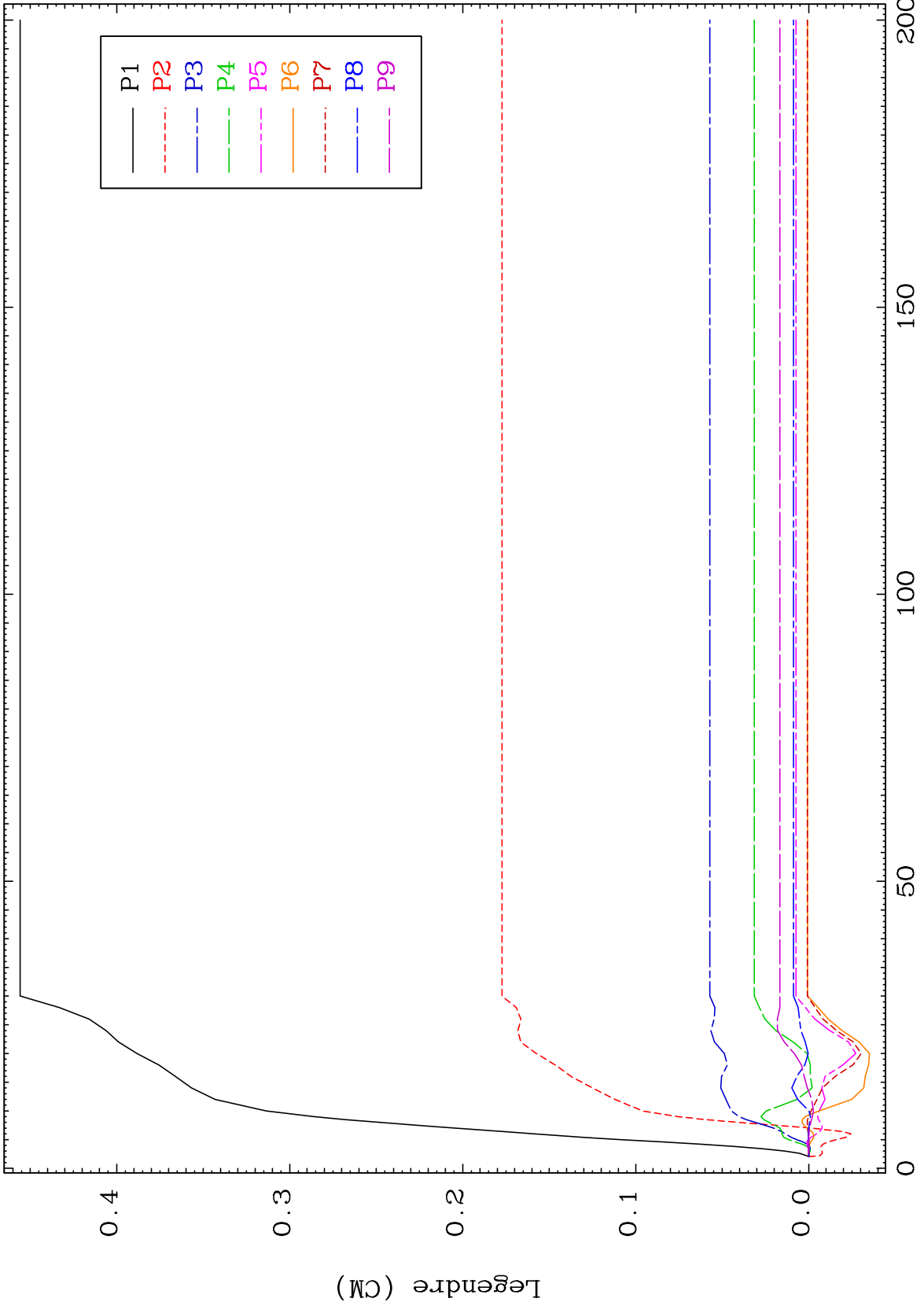
50-Sn-109

MAT 5016 MT= 71 (n,n') Level Legendre Coefficients 50-Sn-109



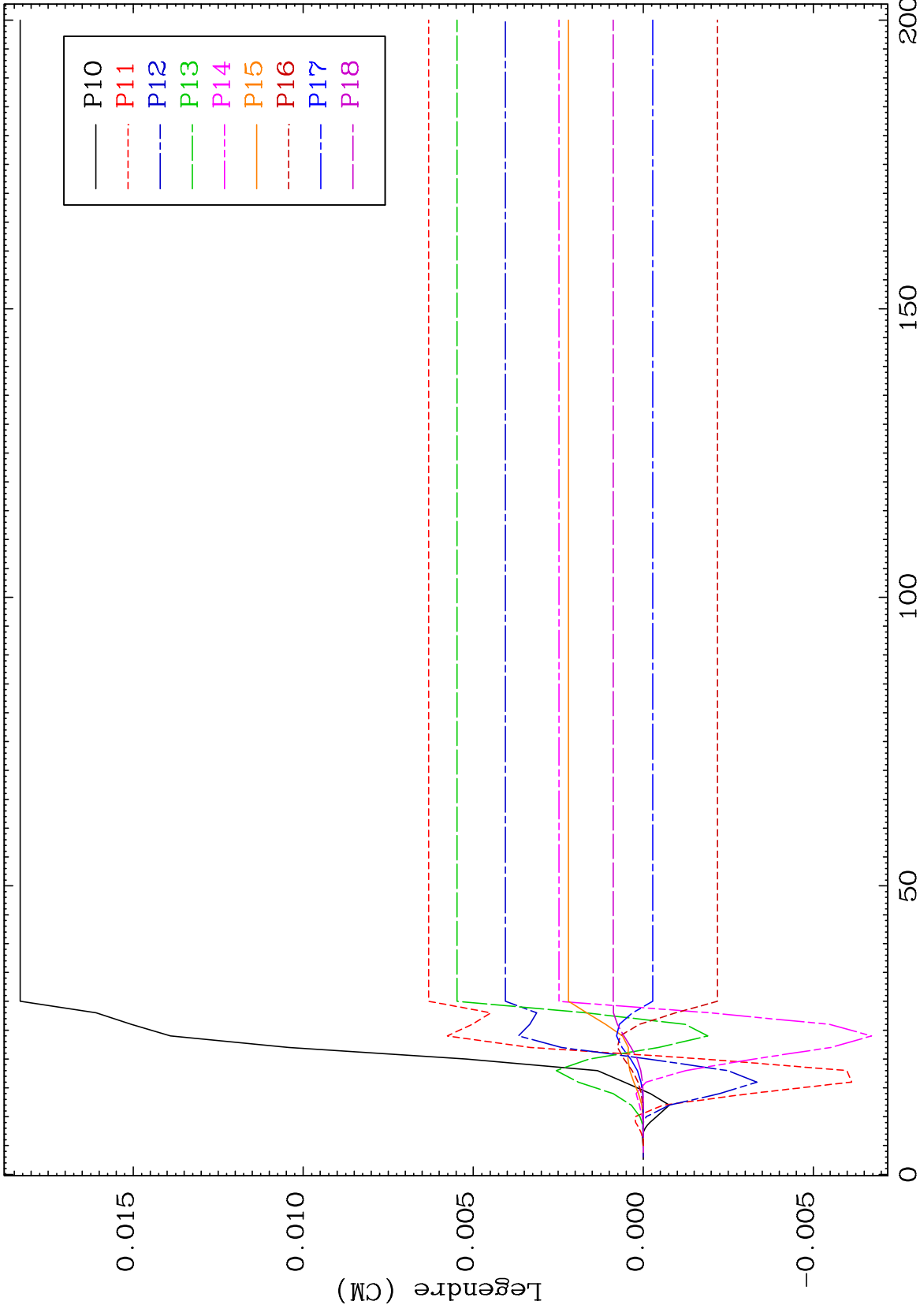
102 50-Sn-109

MAT 5016 MT= 72 (n,n') Level Legendre Coefficients 50-Sn-109



103 Incident Energy (MeV) 50-Sn-109

MAT 5016 MT= 72 (n,n') Level Legendre Coefficients 50-Sn-109

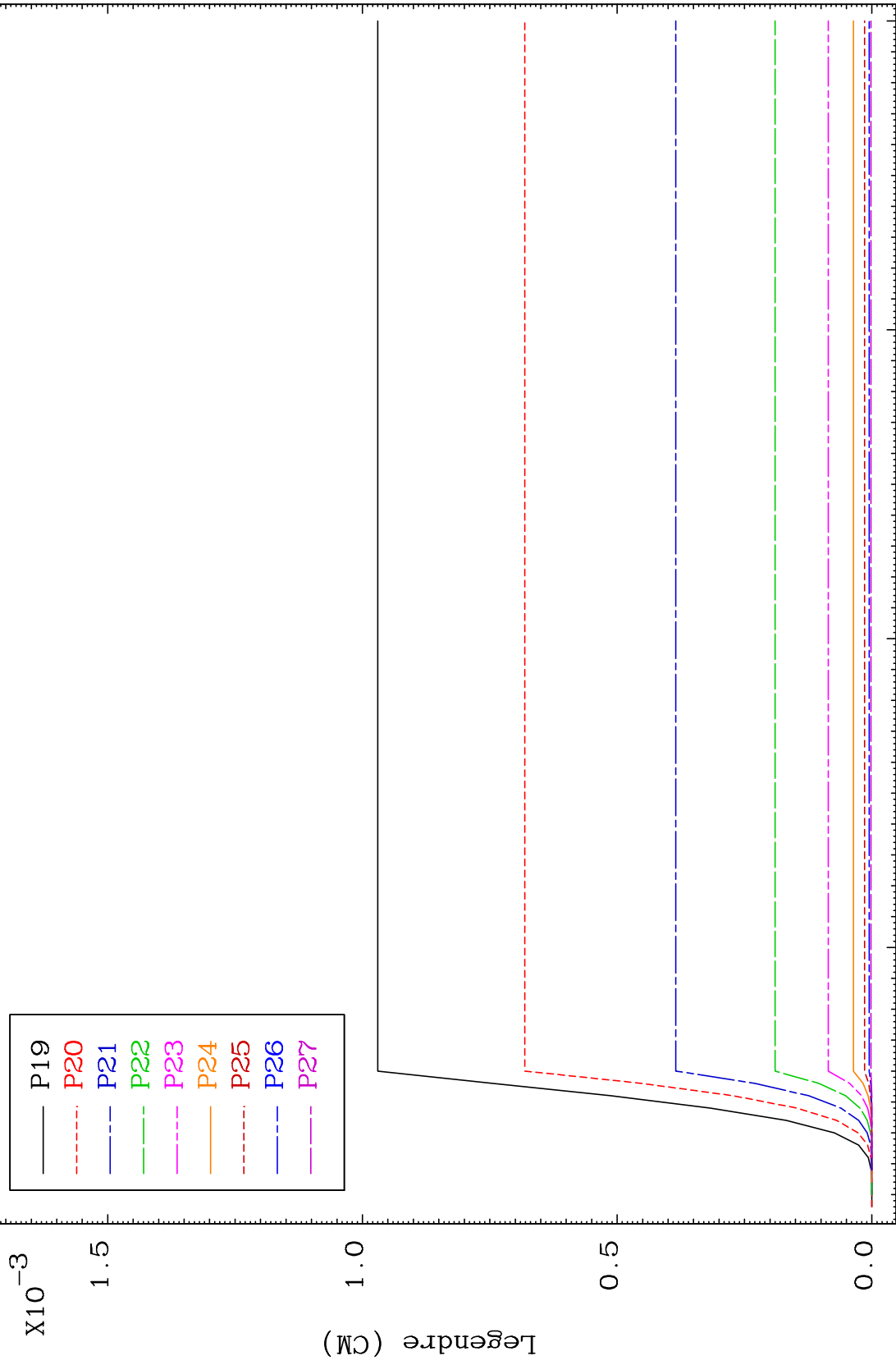


Legendre (CM) Incident Energy (MeV) 104 50-Sn-109

MAT 5016

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

50-Sn-109



105

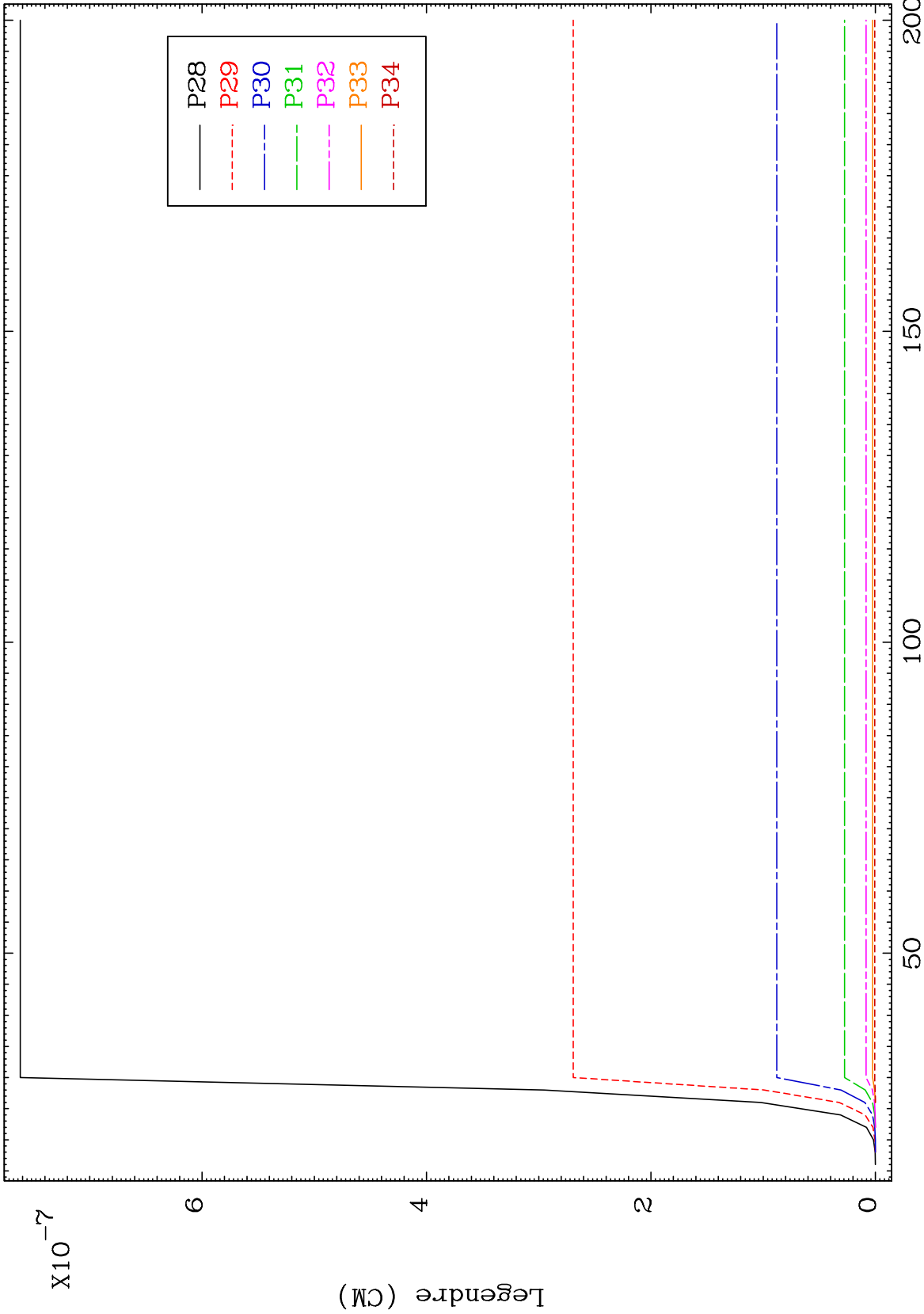
Incident Energy (MeV)

50-Sn-109

MAT 5016

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

50-Sn-109

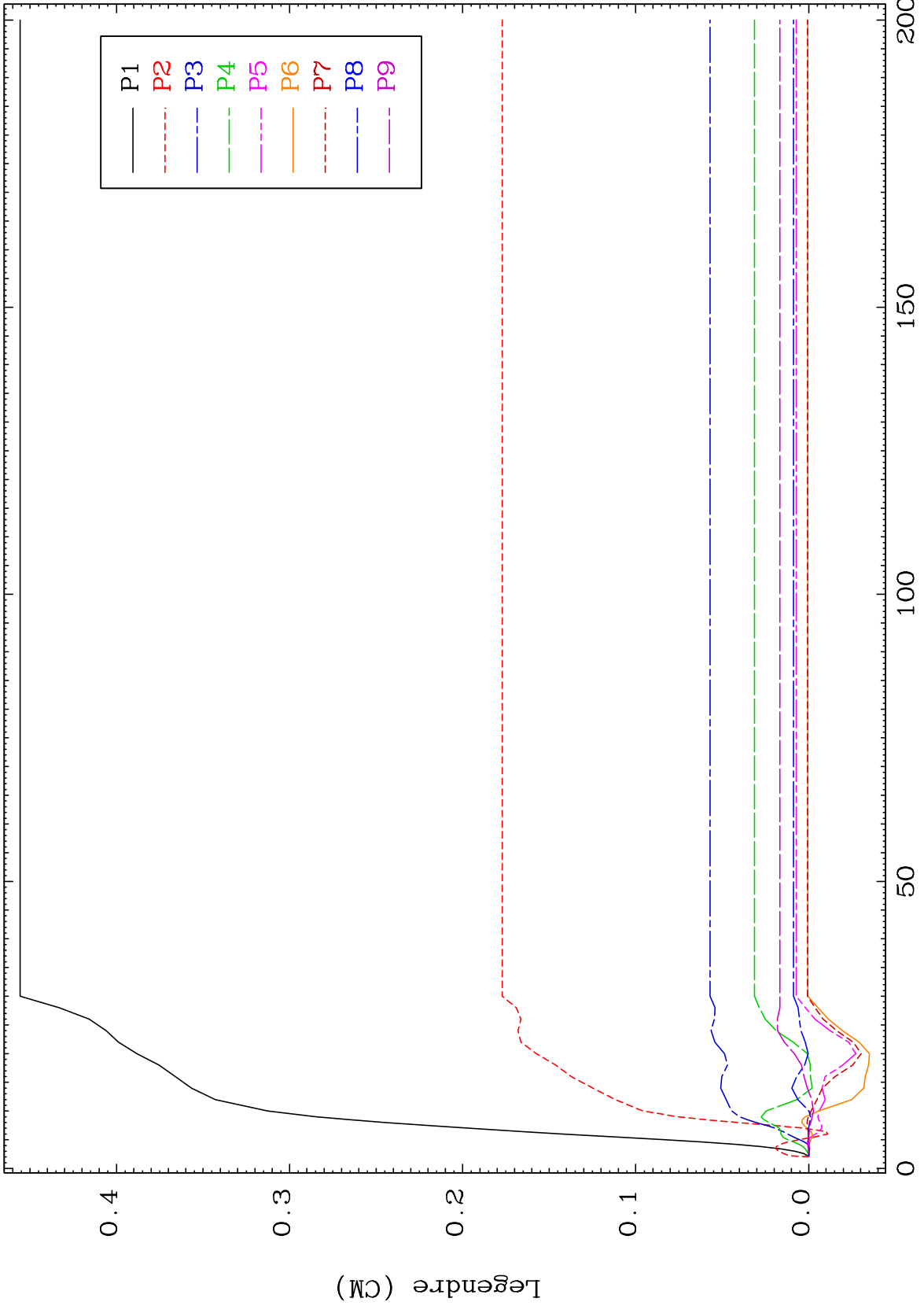


106

Incident Energy (MeV)

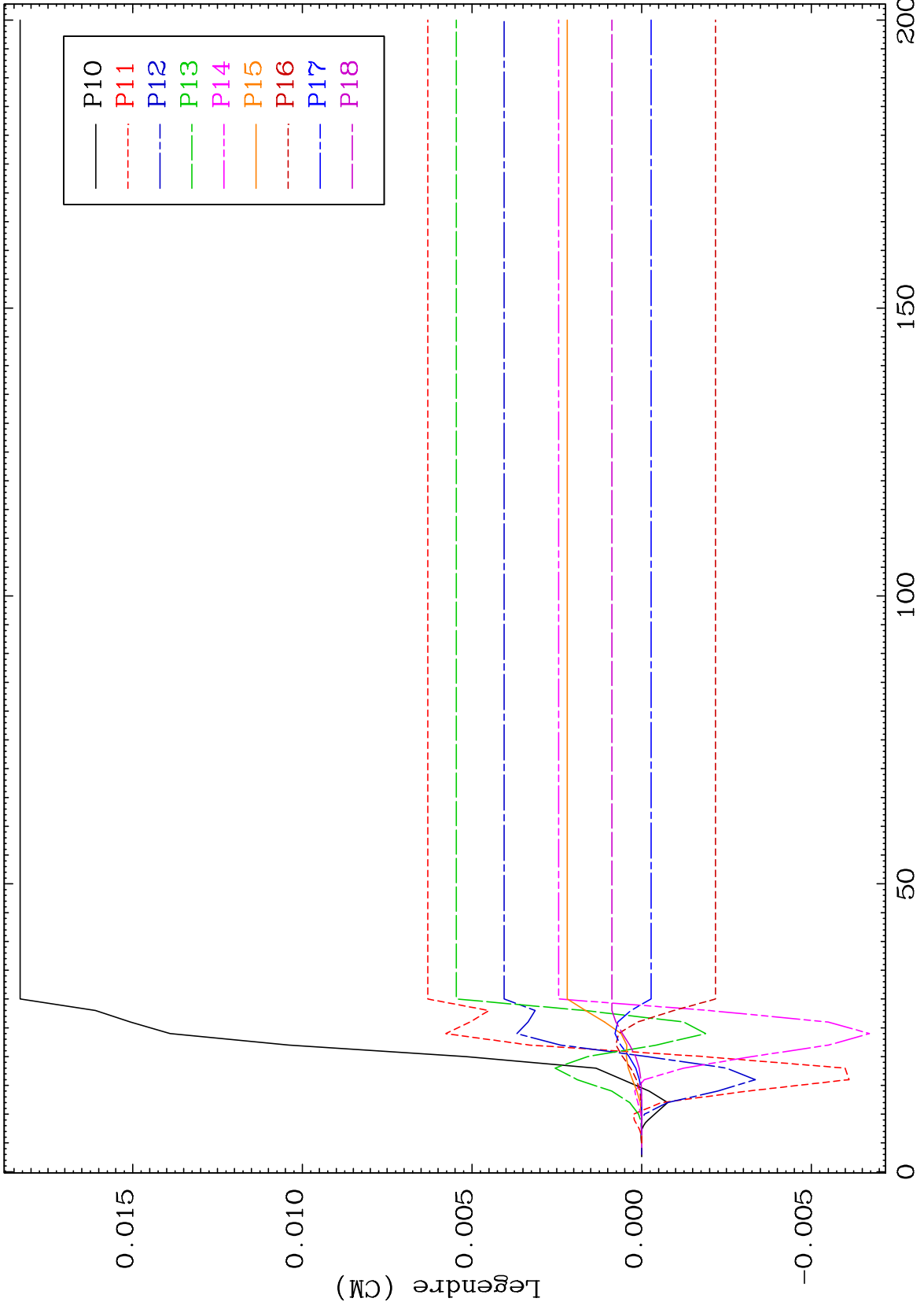
50-Sn-109

MAT 5016 MT= 73 (n,n') Level Legendre Coefficients 50-Sn-109



107 Incident Energy (MeV) 50-Sn-109

MAT 5016 MT= 73 (n,n') Level Legendre Coefficients 50-Sn-109

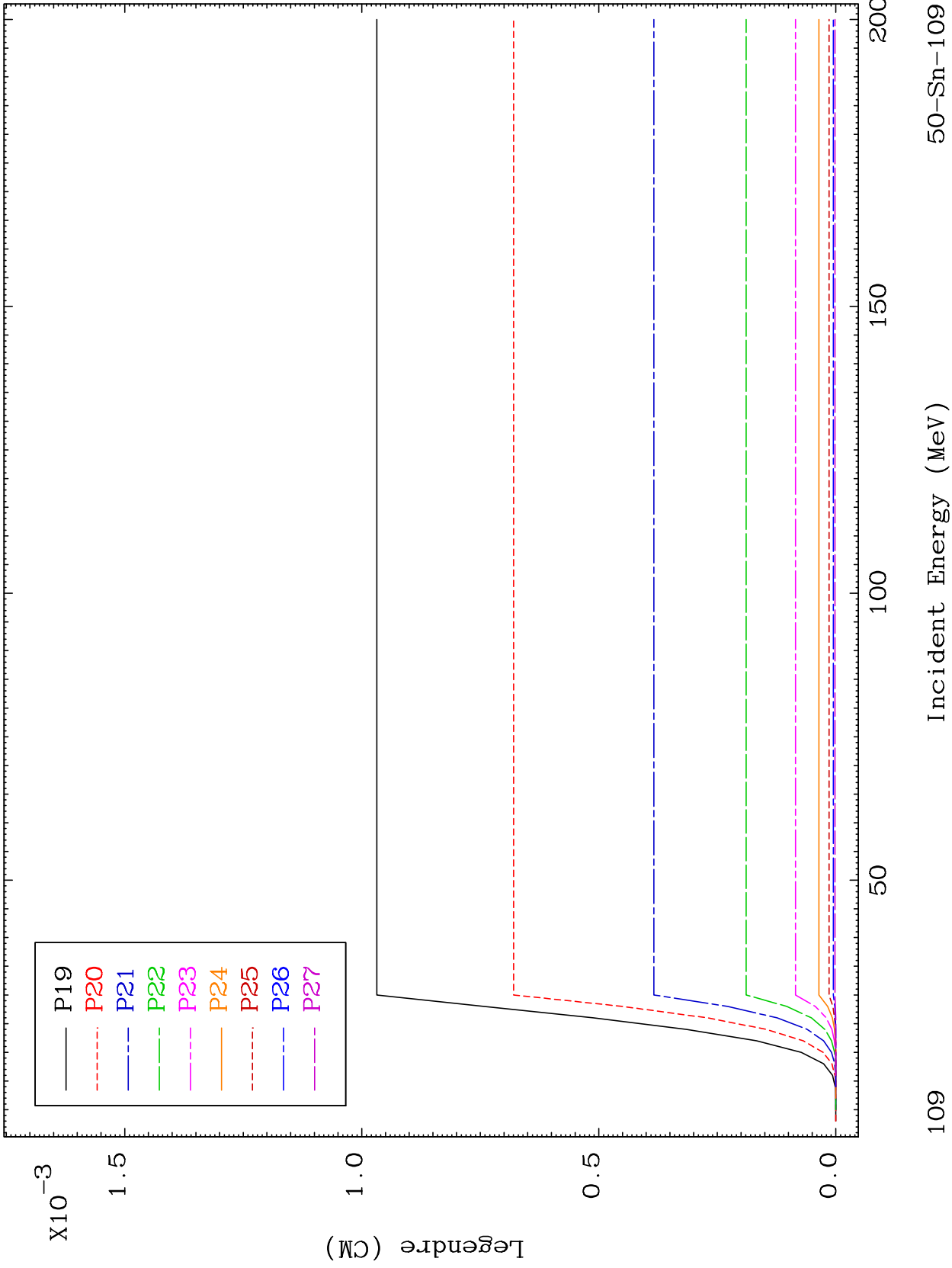


108 Incident Energy (MeV) 50-Sn-109

MAT 5016

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

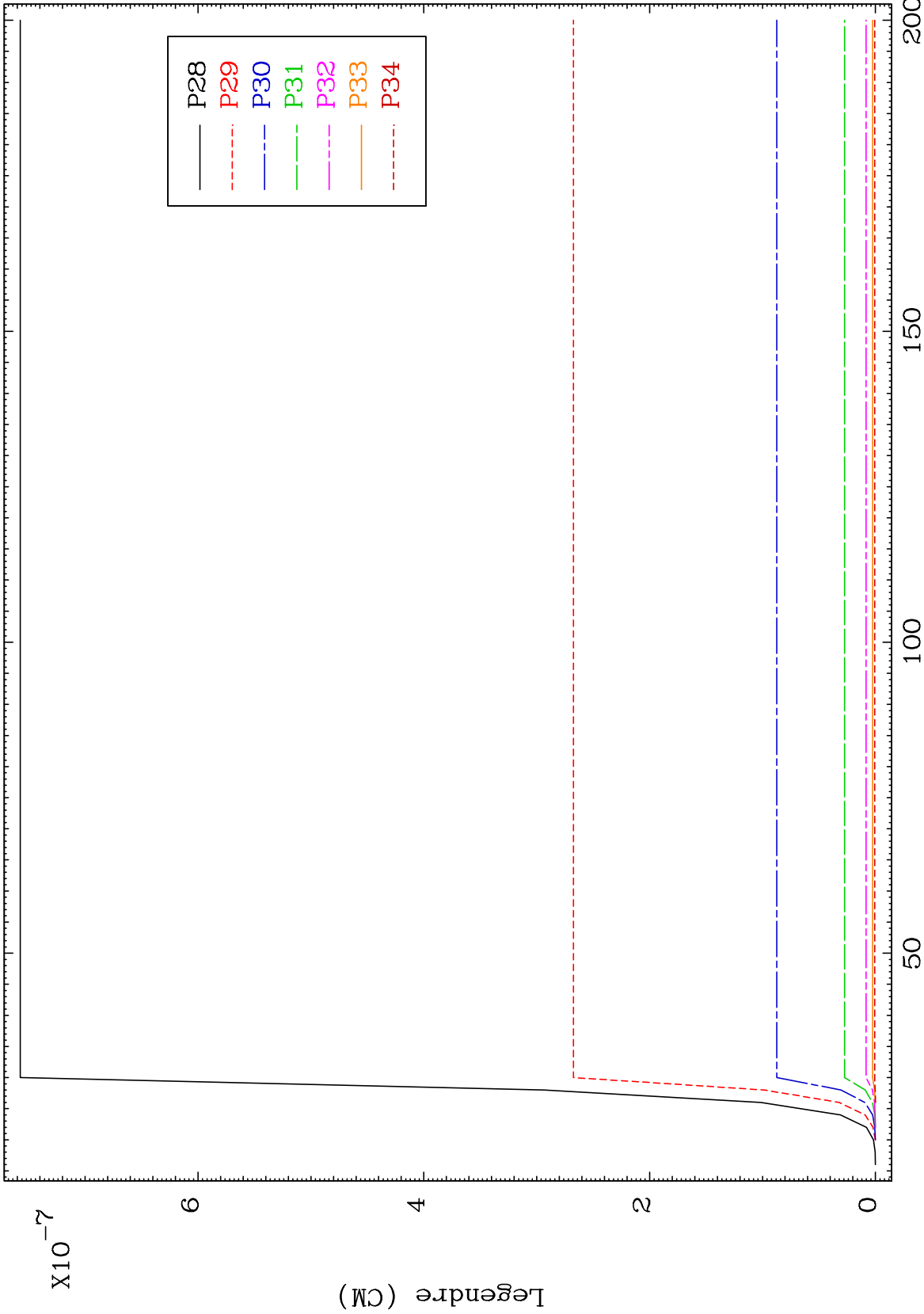
50-Sn-109



MAT 5016

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

50-Sn-109

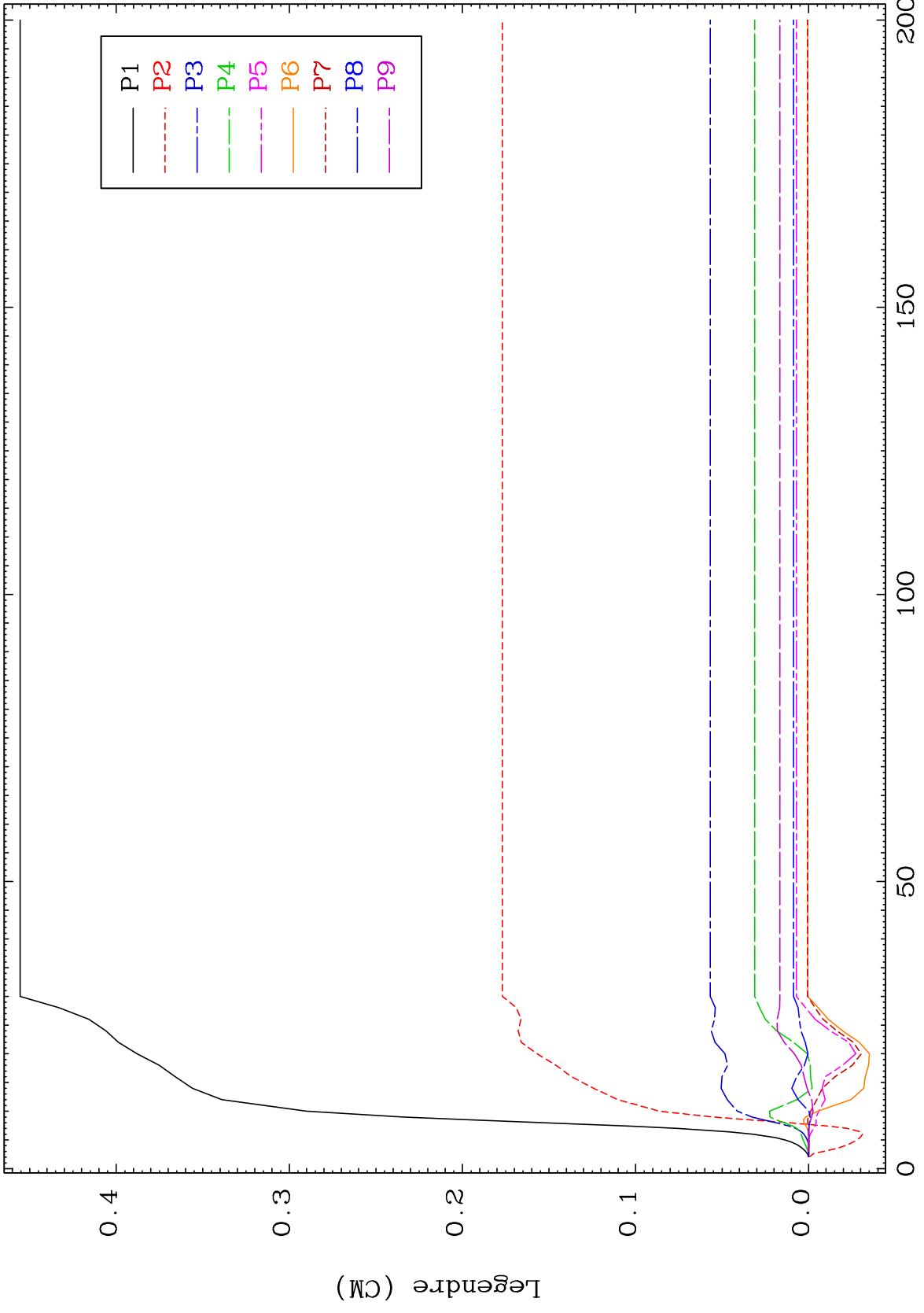


110

Incident Energy (MeV)

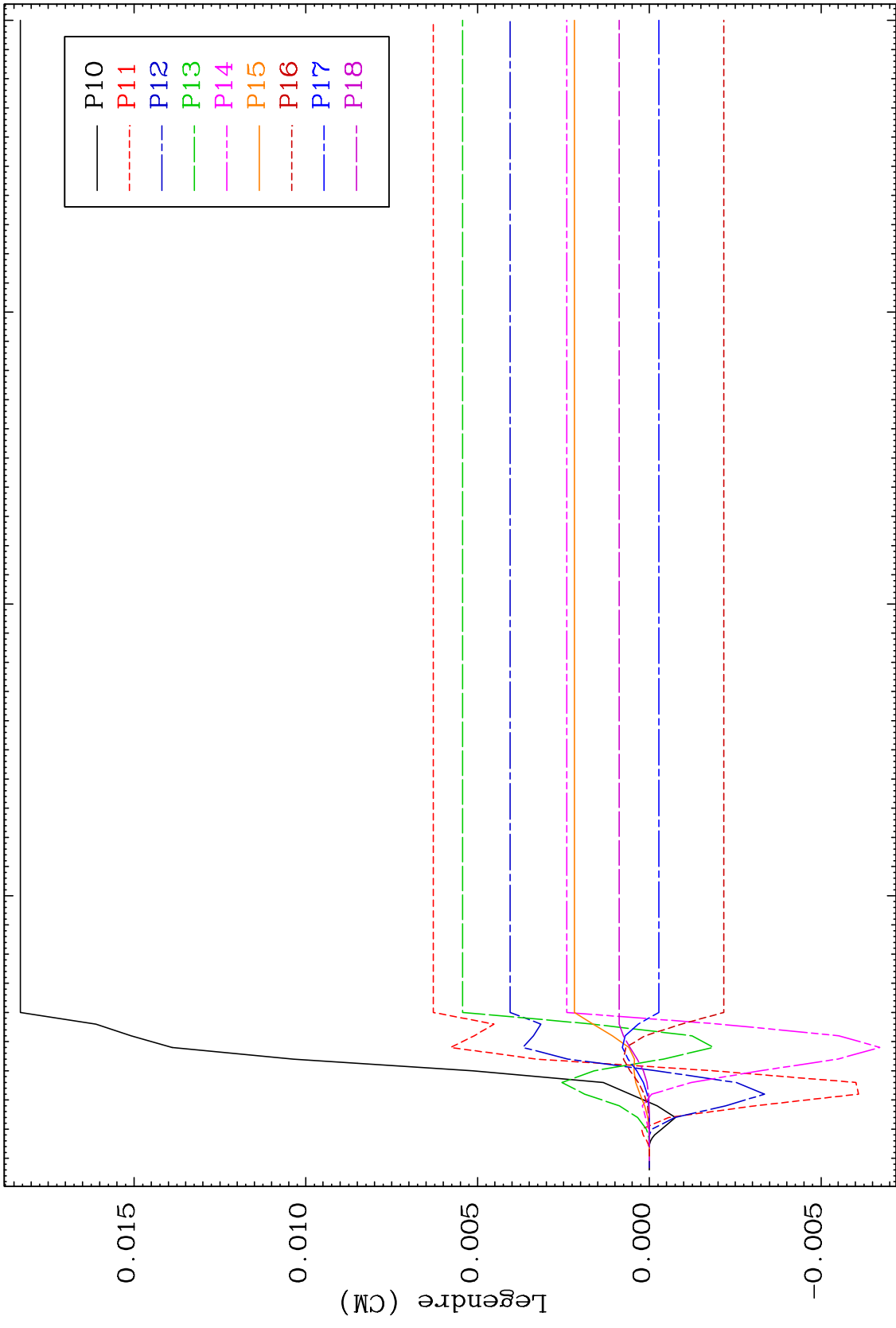
50-Sn-109

MAT 5016 MT= 74 (n,n') Level Legendre Coefficients 50-Sn-109



111 50-Sn-109

MAT 5016 MT= 74 (n,n') Level Legendre Coefficients 50-Sn-109

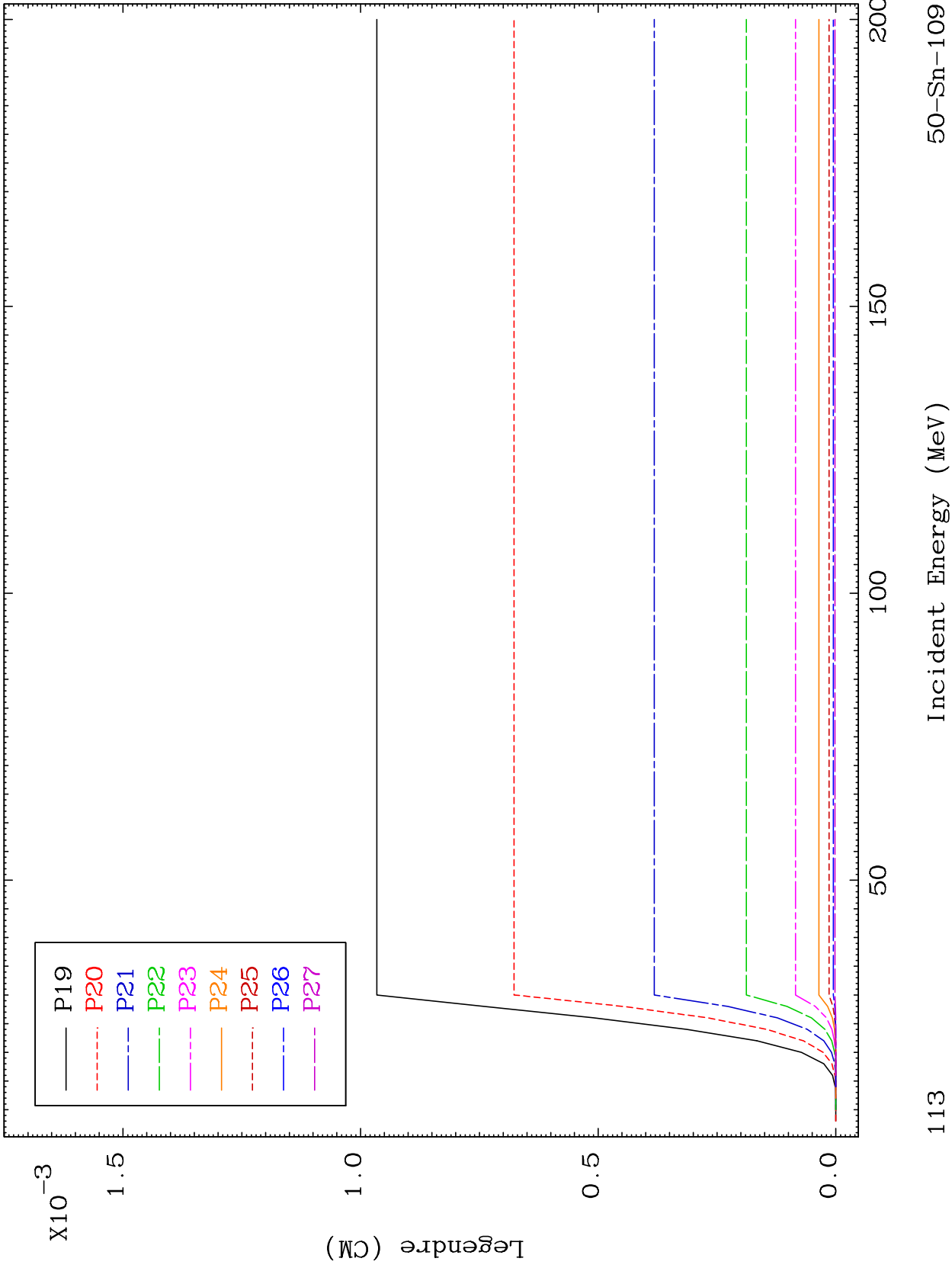


112 Incident Energy (MeV) 50-Sn-109

MAT 5016

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

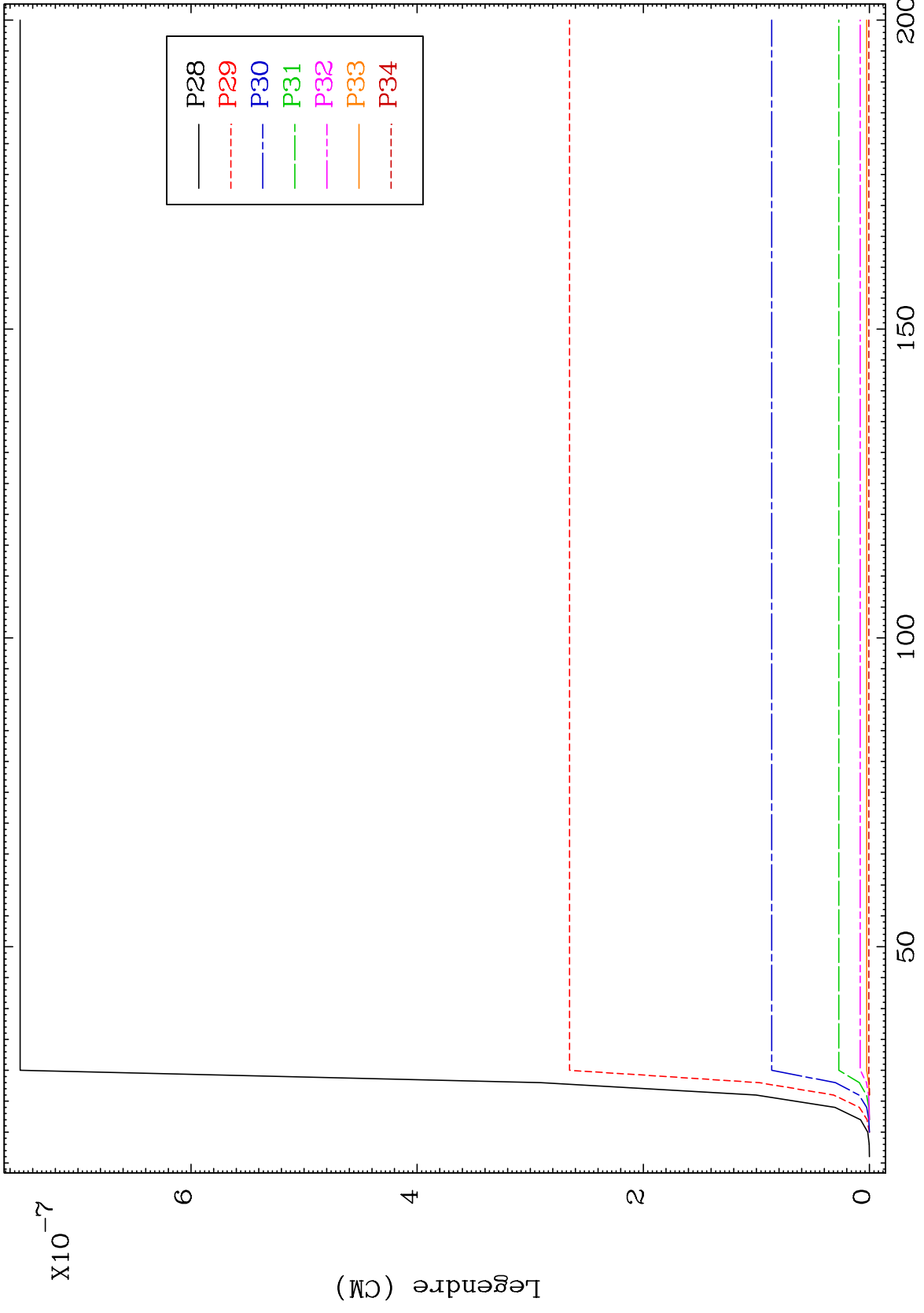
50-Sn-109



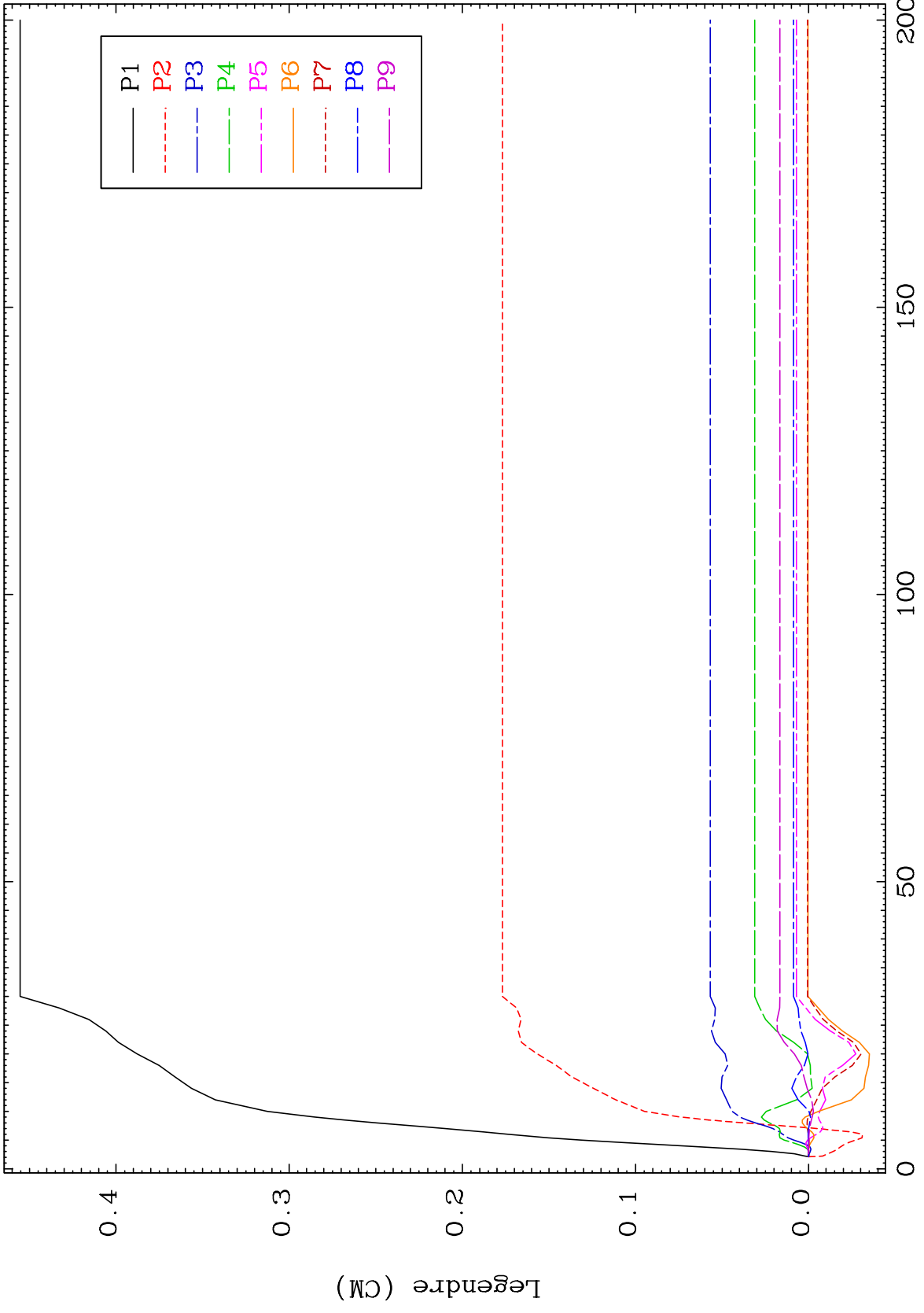
MAT 5016

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

50-Sn-109

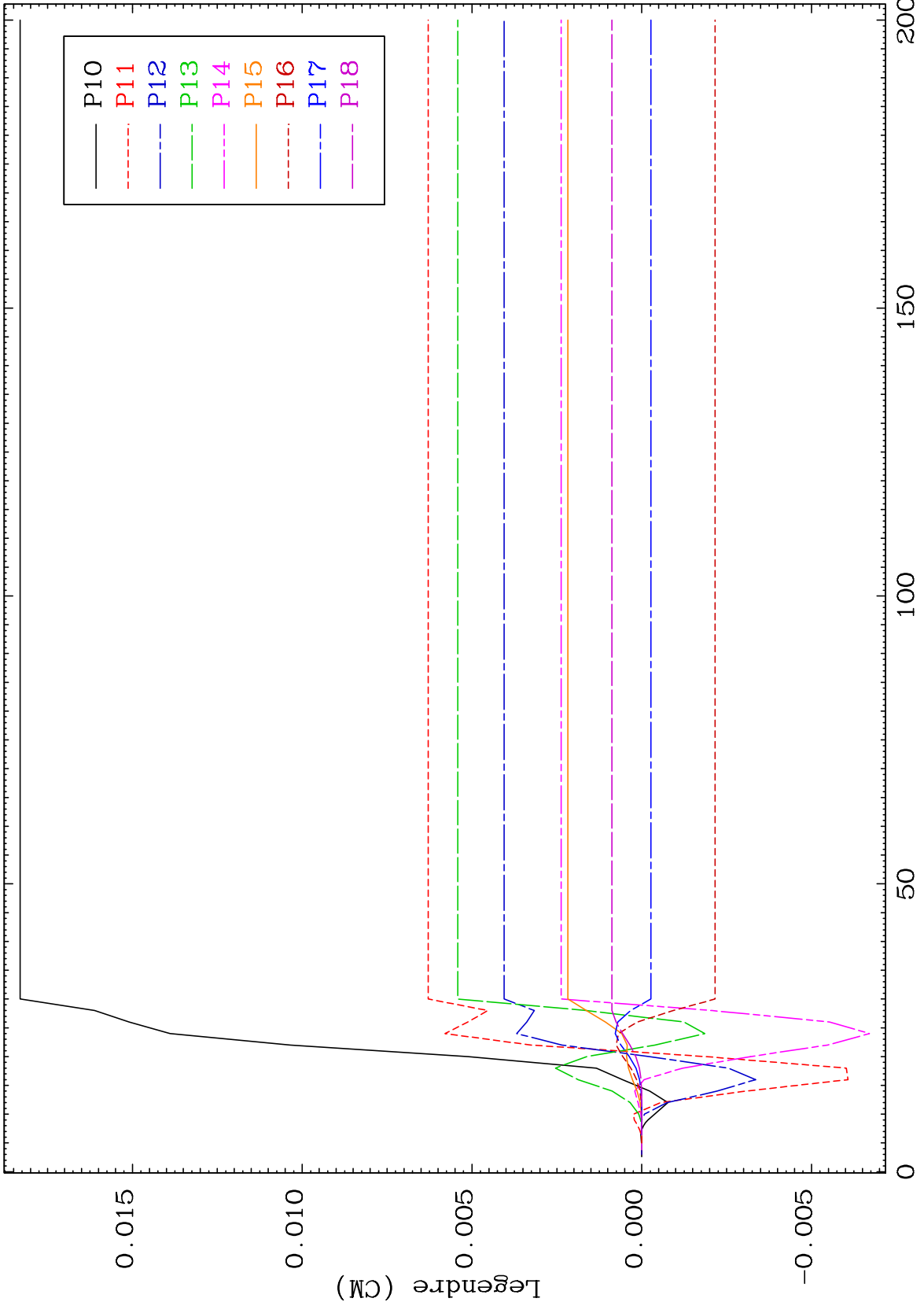


MAT 5016 MT= 75 (n,n') Level Legendre Coefficients 50-Sn-109



Legendre (CM) Incident Energy (MeV) 50-Sn-109

MAT 5016 MT= 75 (n,n') Level Legendre Coefficients 50-Sn-109

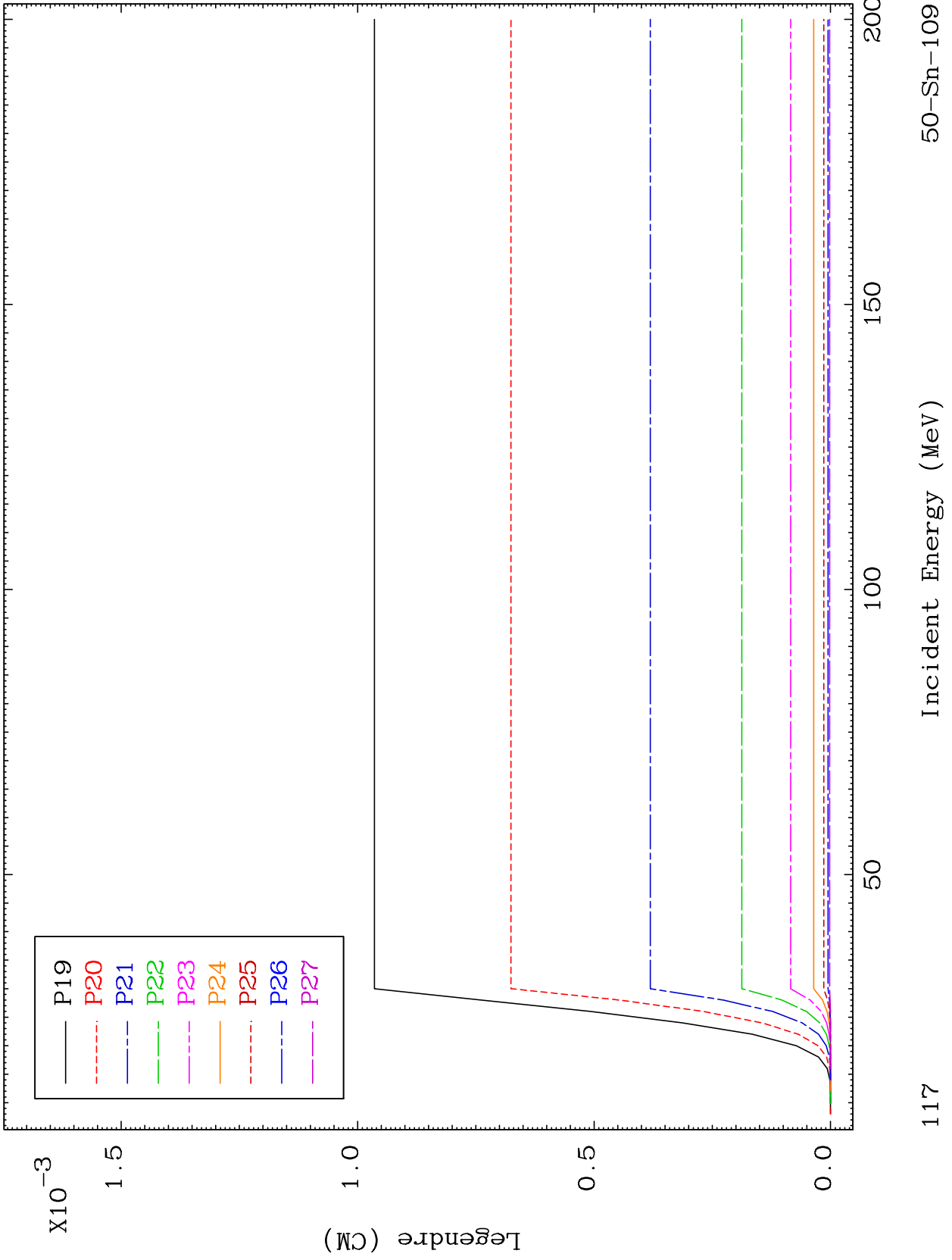


116 Incident Energy (MeV) 50-Sn-109

MAT 5016

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

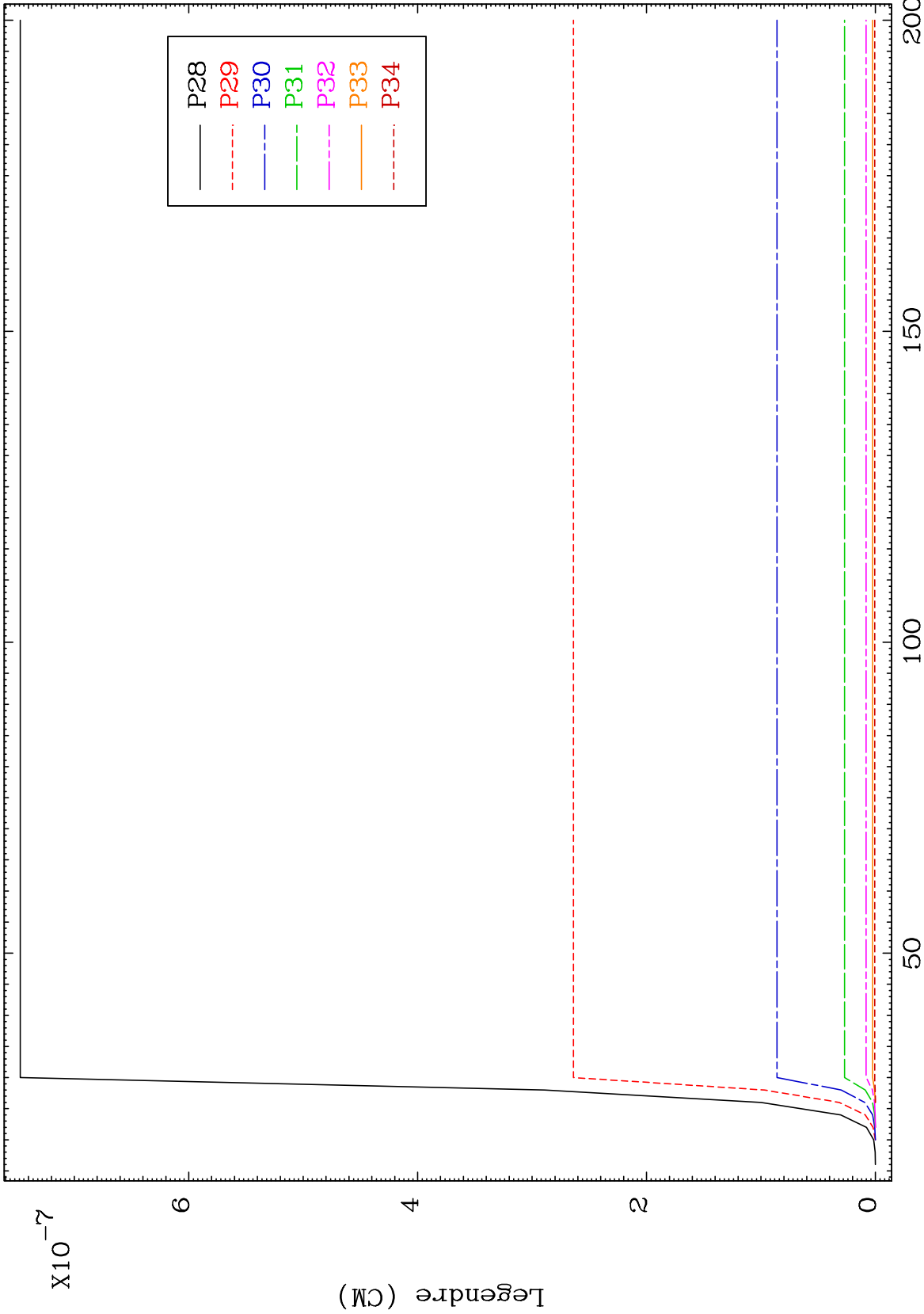
50-Sn-109



MAT 5016

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

50-Sn-109

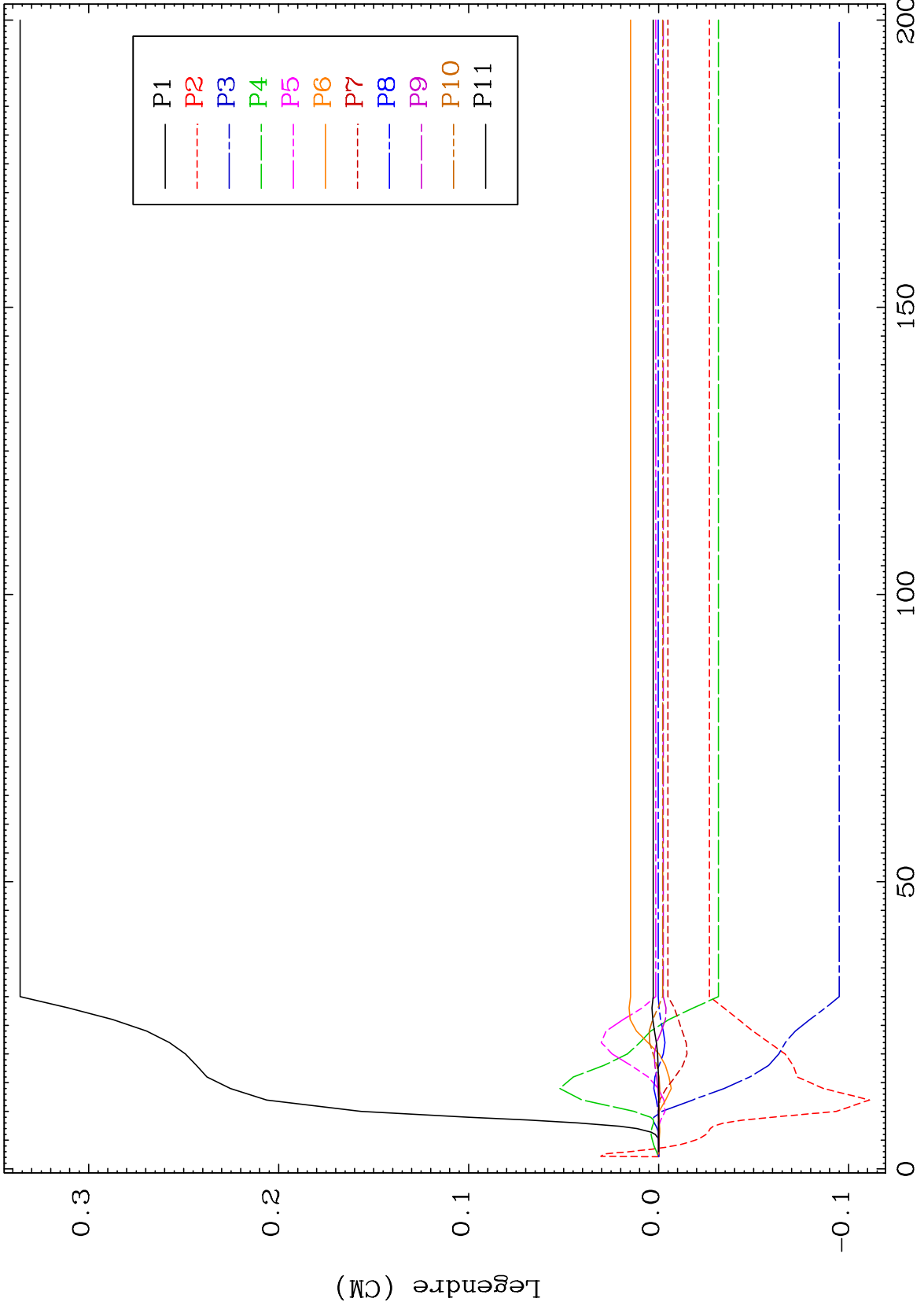


118

Incident Energy (MeV)

50-Sn-109

MAT 5016 MT= 76 (n,n') Level Legendre Coefficients 50-Sn-109

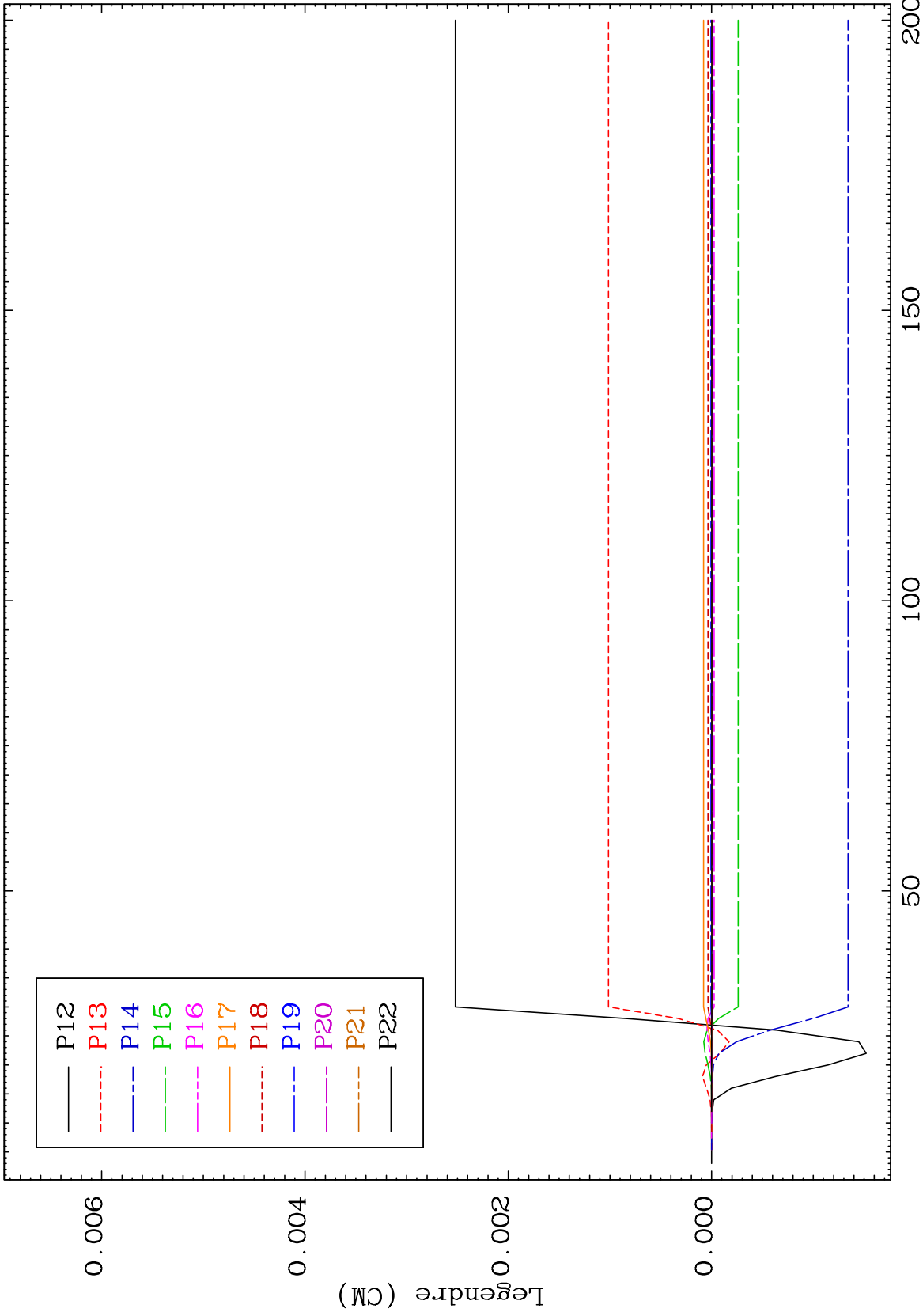


119 Incident Energy (MeV) 50-Sn-109

MAT 5016

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

50-Sn-109

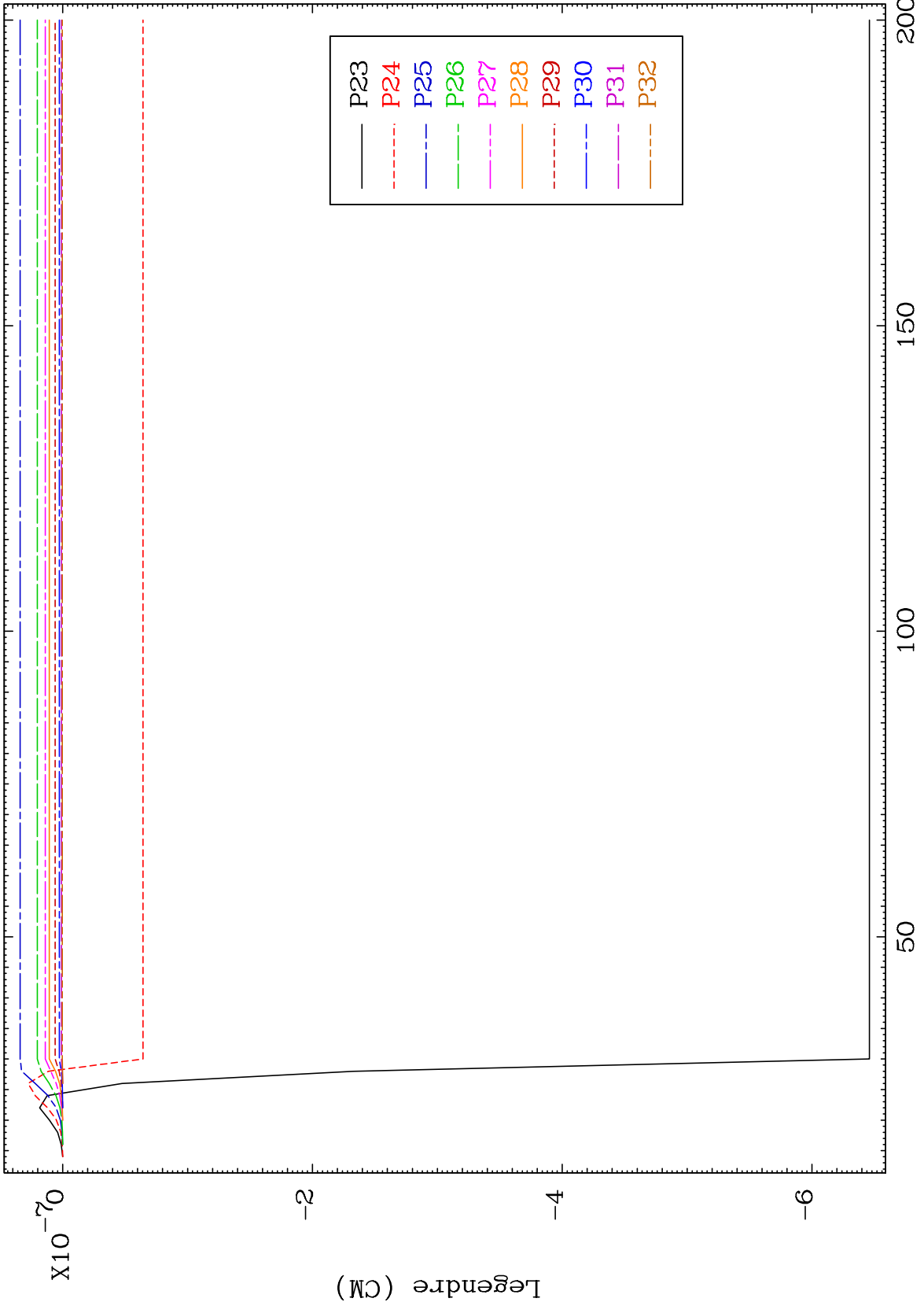


120

Incident Energy (MeV)

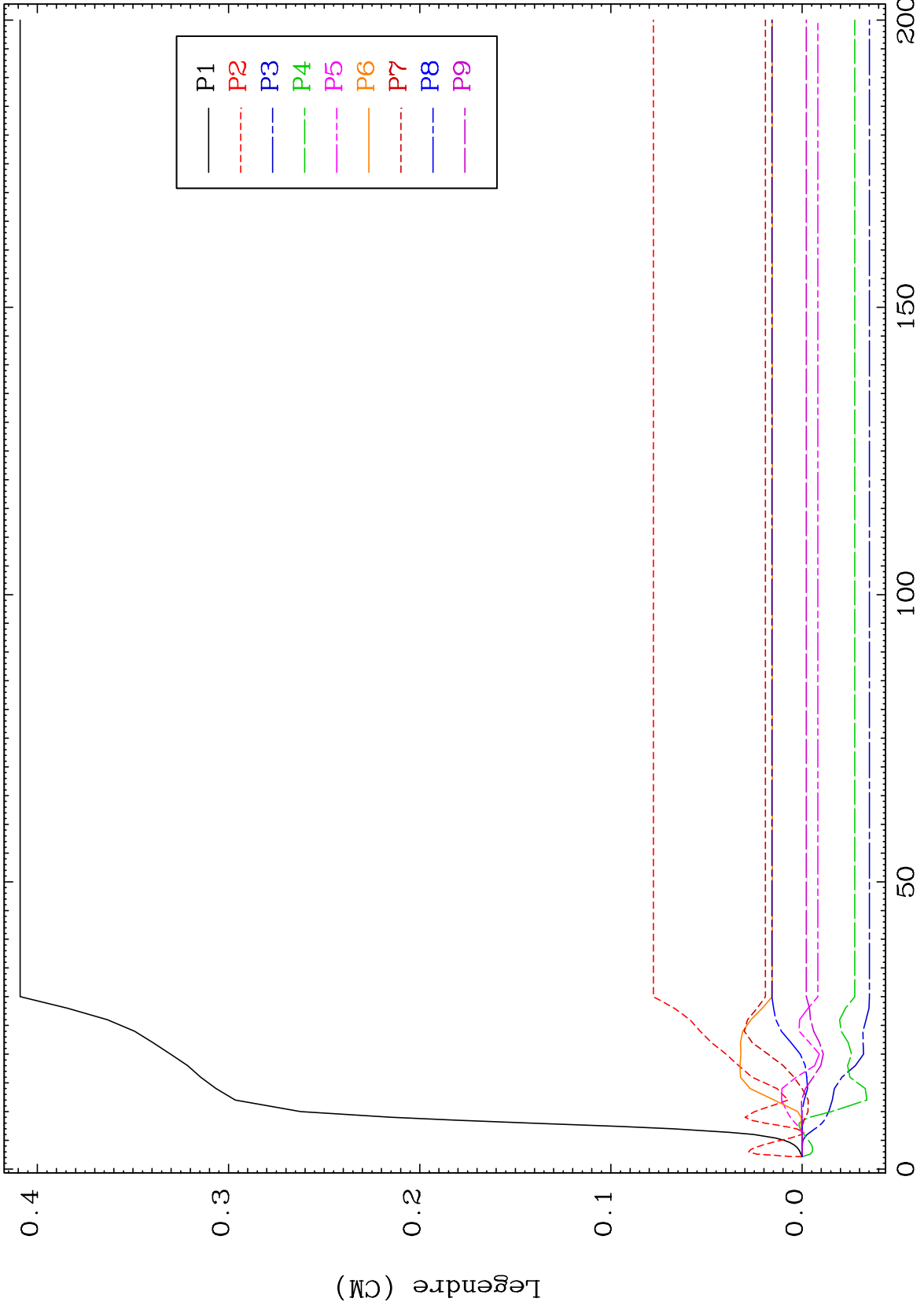
50-Sn-109

MAT 5016 MT= 76 (n,n') Level Legendre Coefficients 50-Sn-109

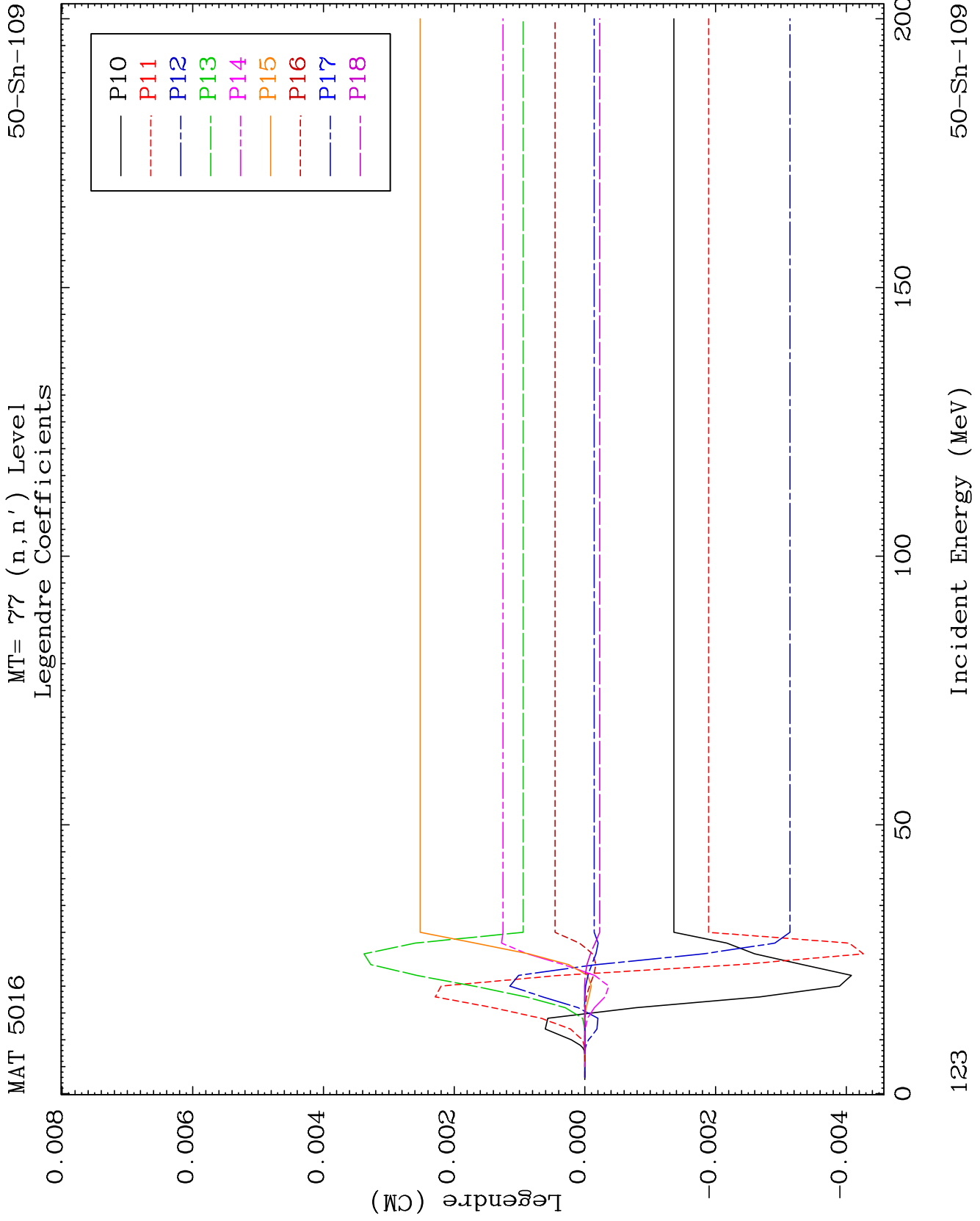


121 50-Sn-109

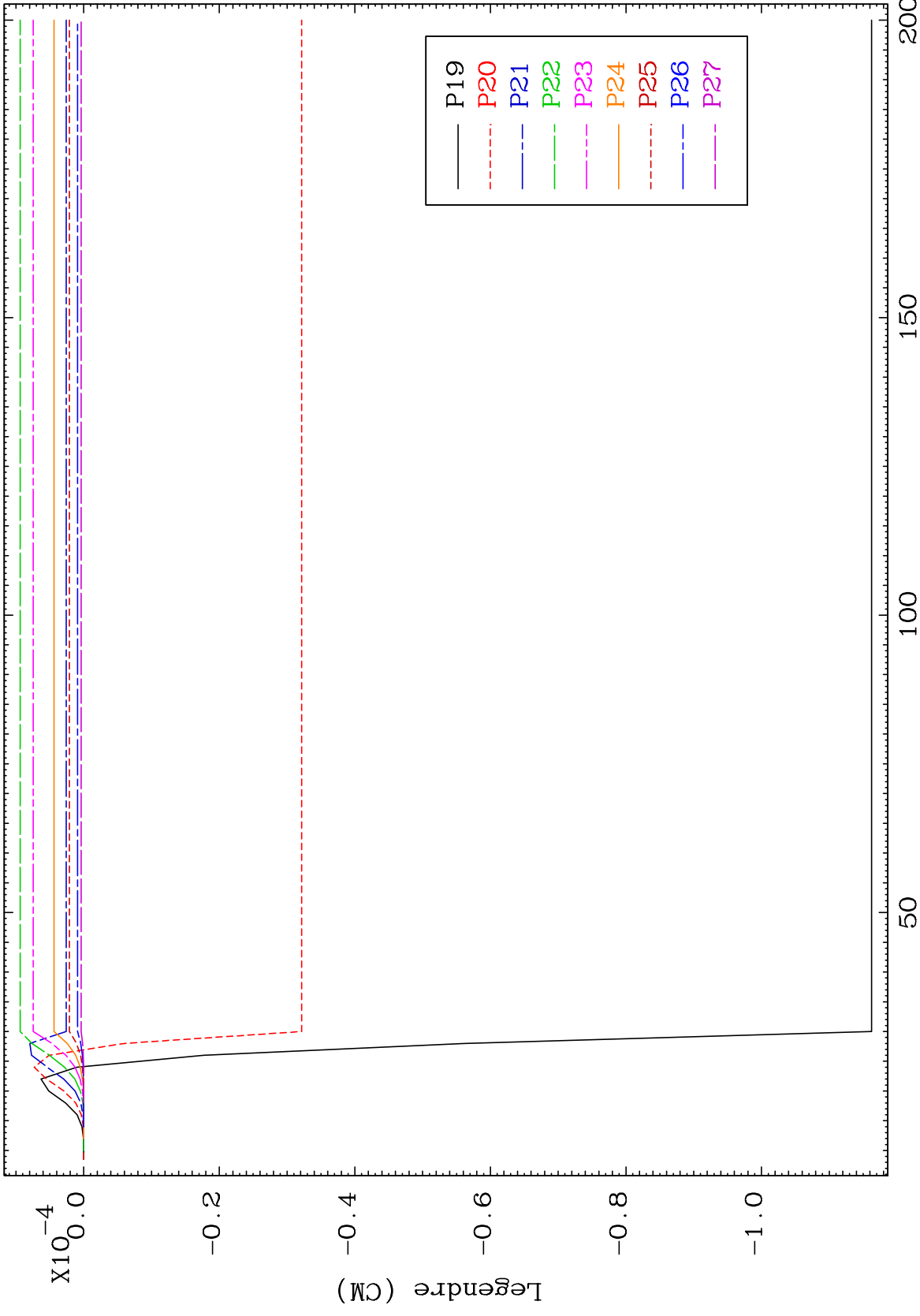
MAT 5016 MT= 77 (n,n') Level Legendre Coefficients 50-Sn-109



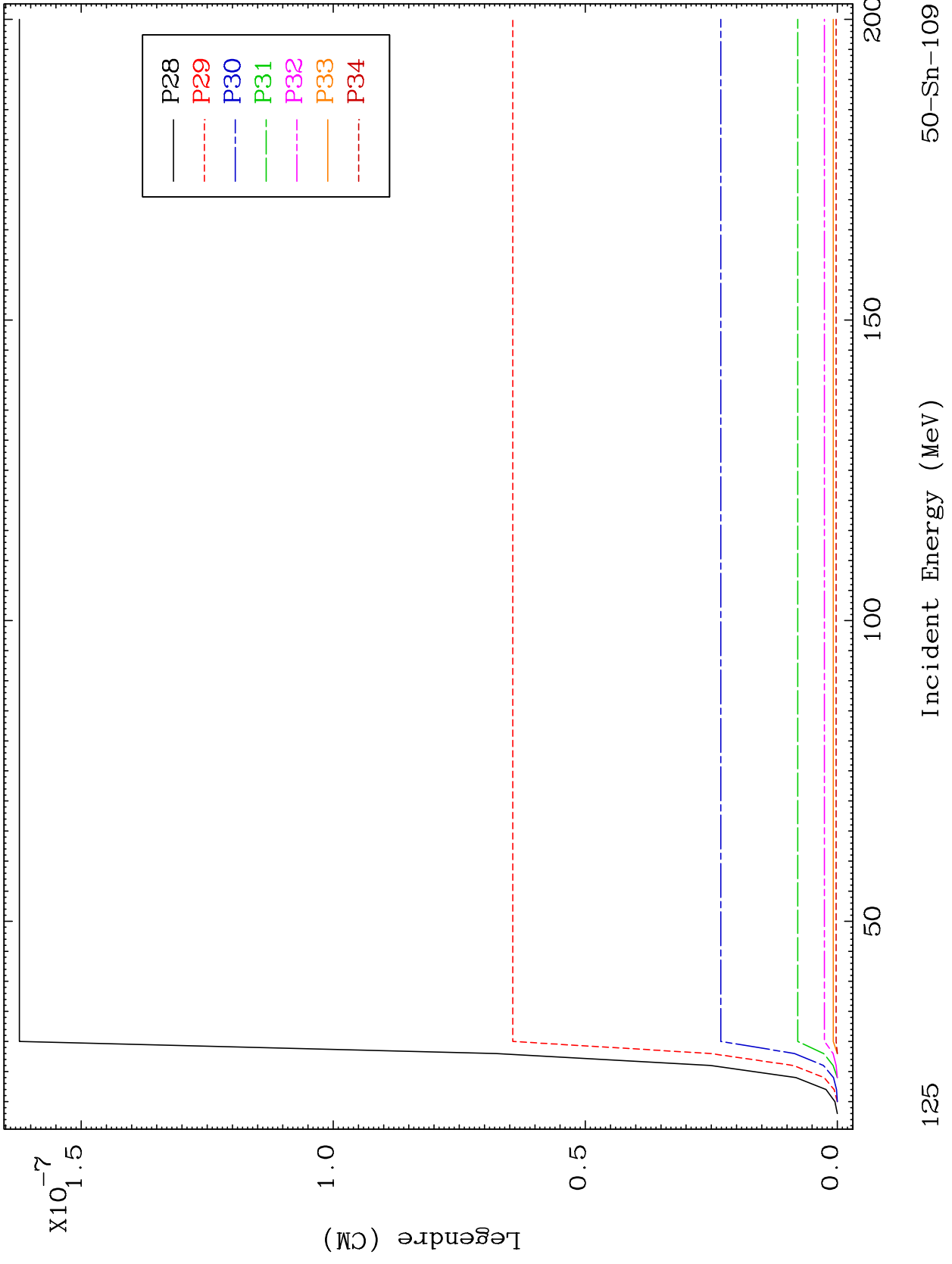
Legendre (CM) Incident Energy (MeV) 122



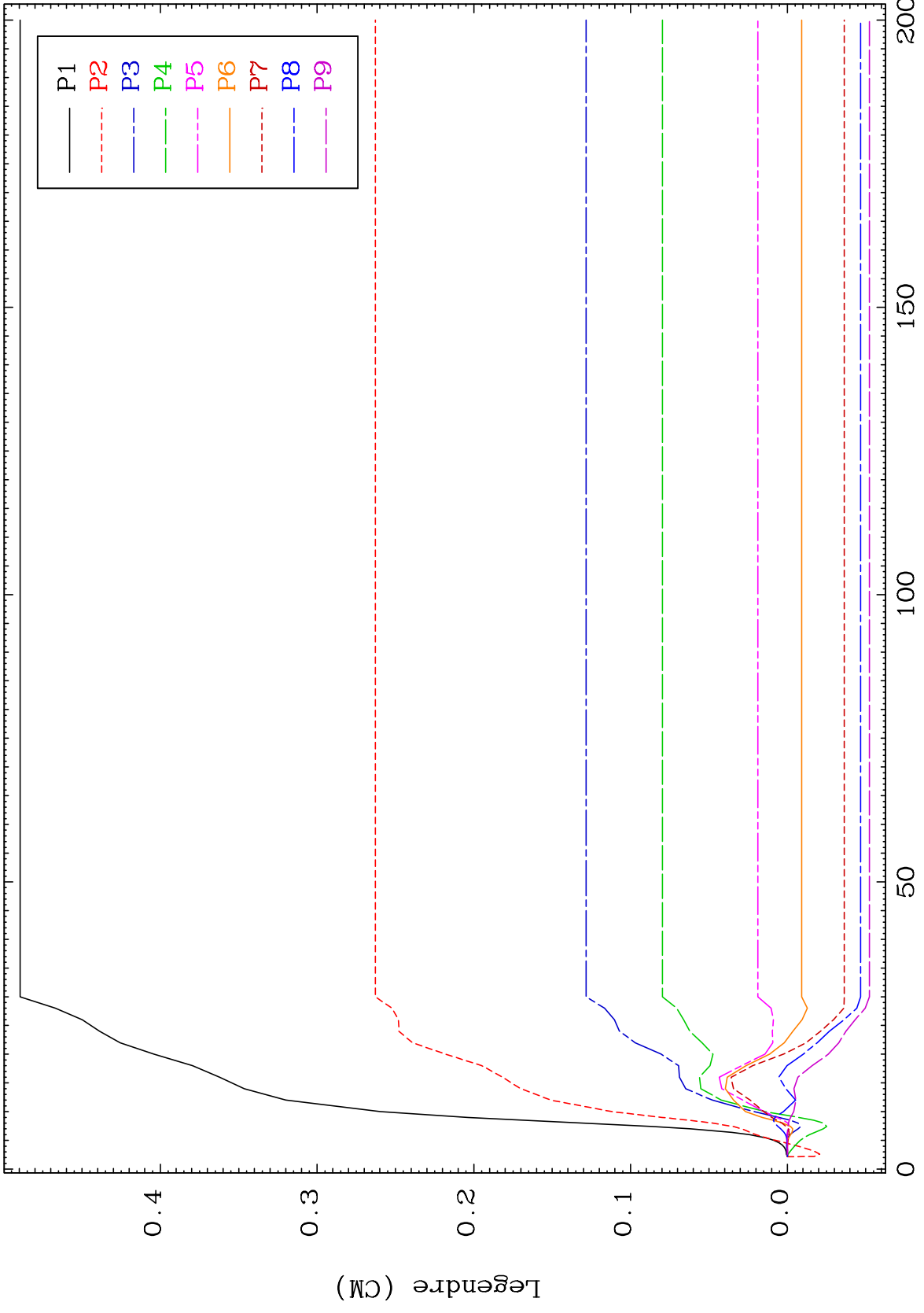
MAT 5016 MT= 77 (n,n') Level Legendre Coefficients 50-Sn-109



MAT 5016 MT= 77 (n,n') Level Legendre Coefficients 50-Sn-109

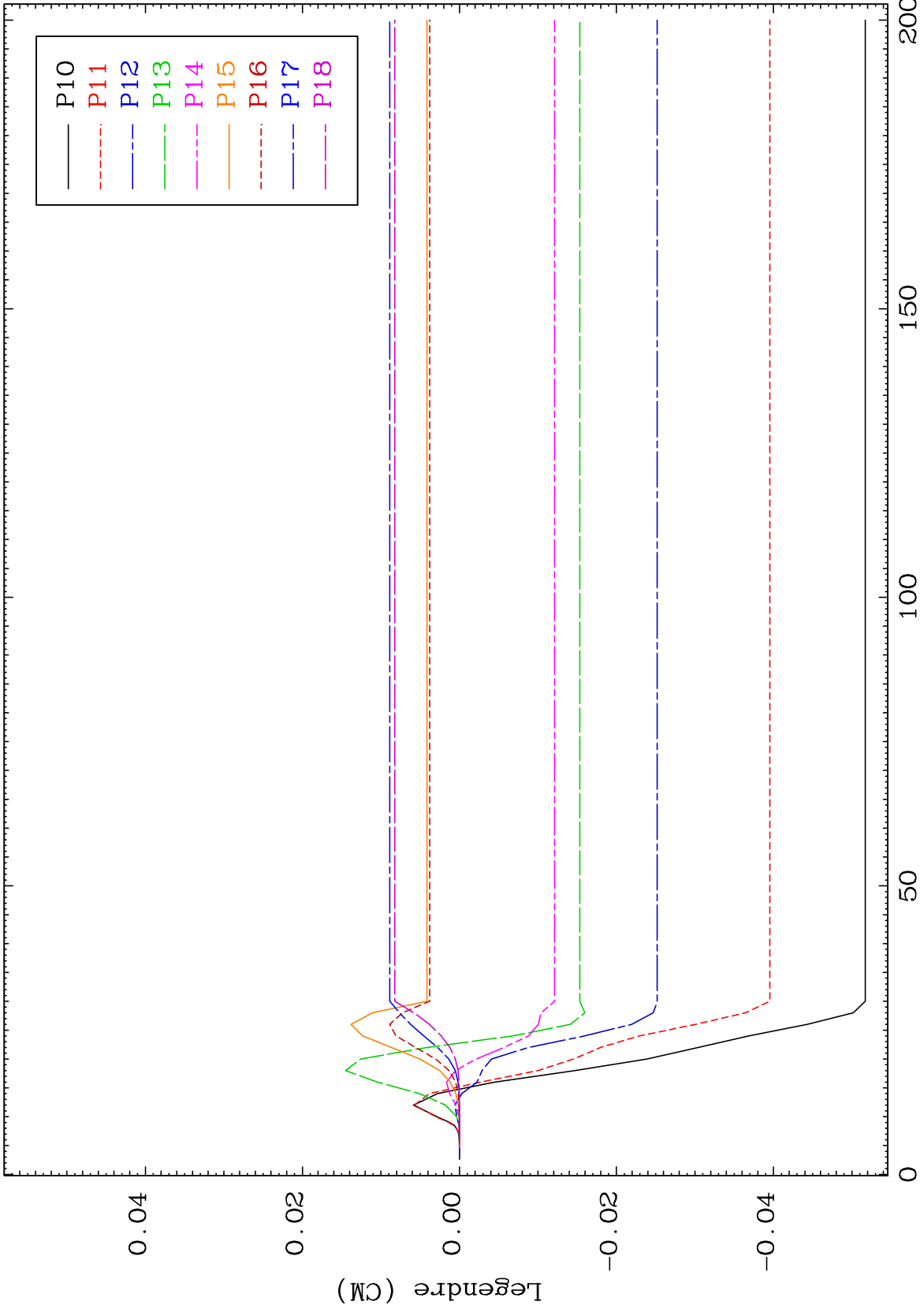


MAT 5016 MT= 78 (n,n') Level Legendre Coefficients 50-Sn-109



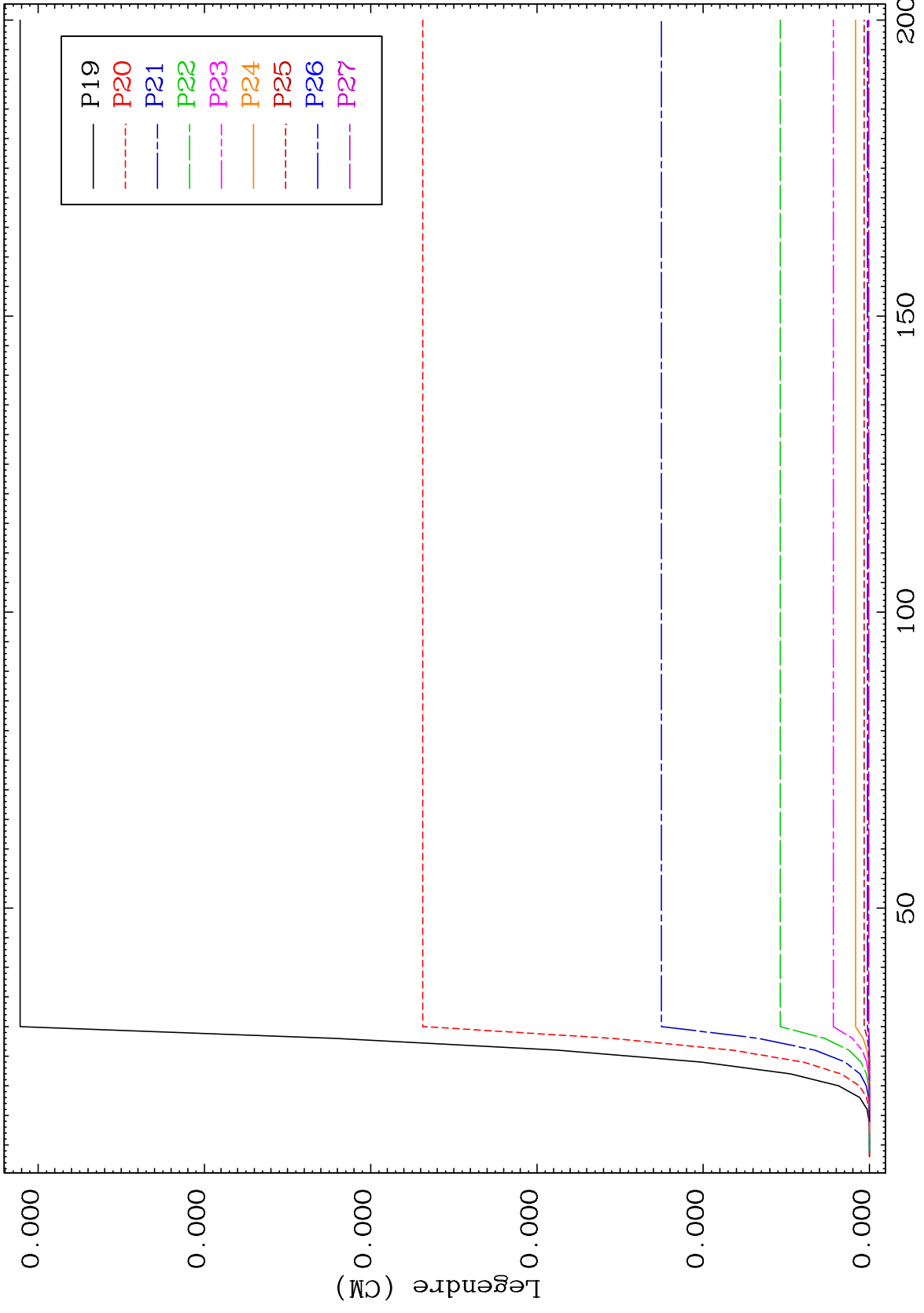
126 Incident Energy (MeV) 50-Sn-109

MAT 5016 MT= 78 (n,n') Level Legendre Coefficients 50-Sn-109



127 50-Sn-109

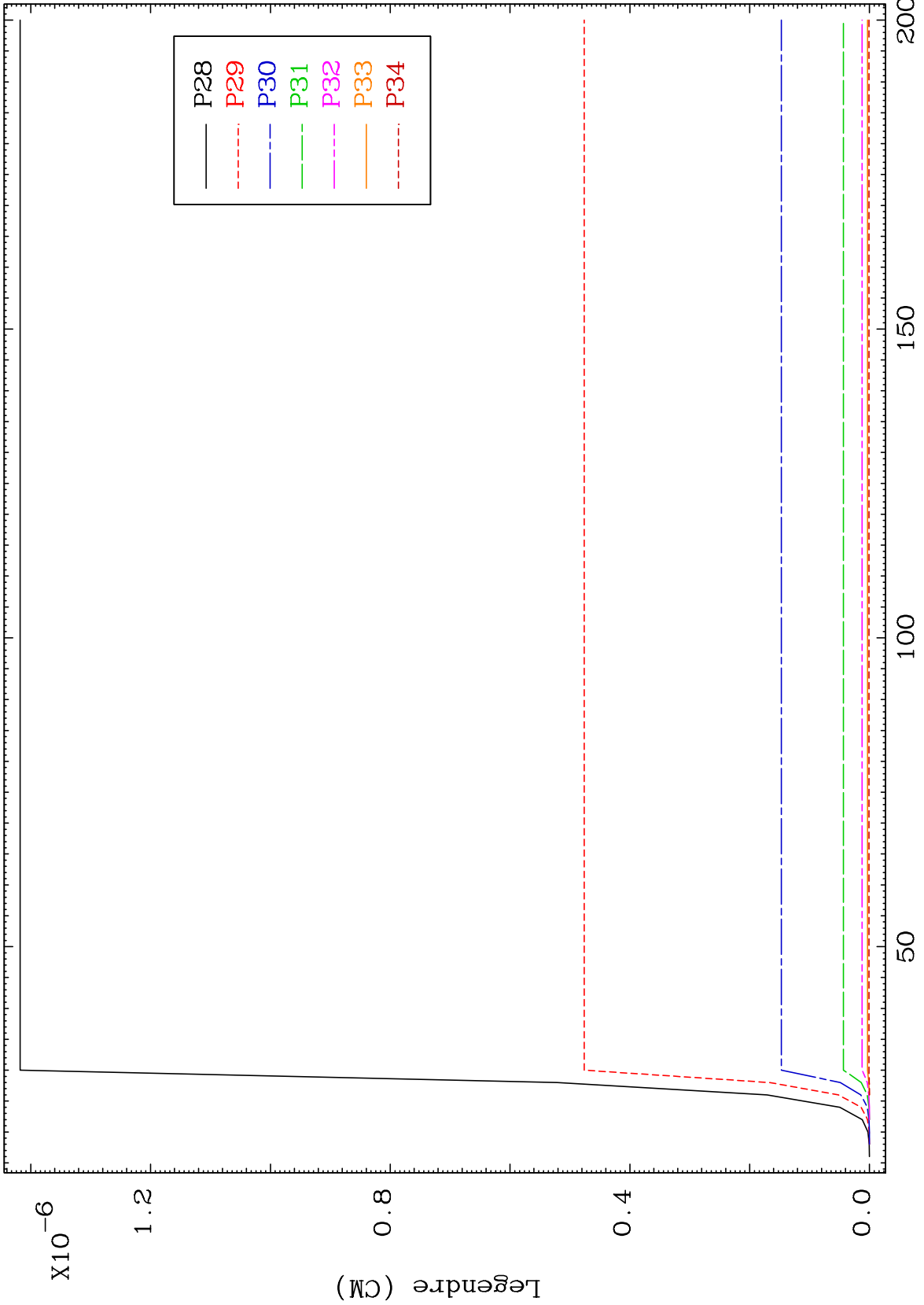
MAT 5016 MT= 78 (n,n') Level Legendre Coefficients 50-Sn-109



MAT 5016

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

50-Sn-109



129

Incident Energy (MeV)

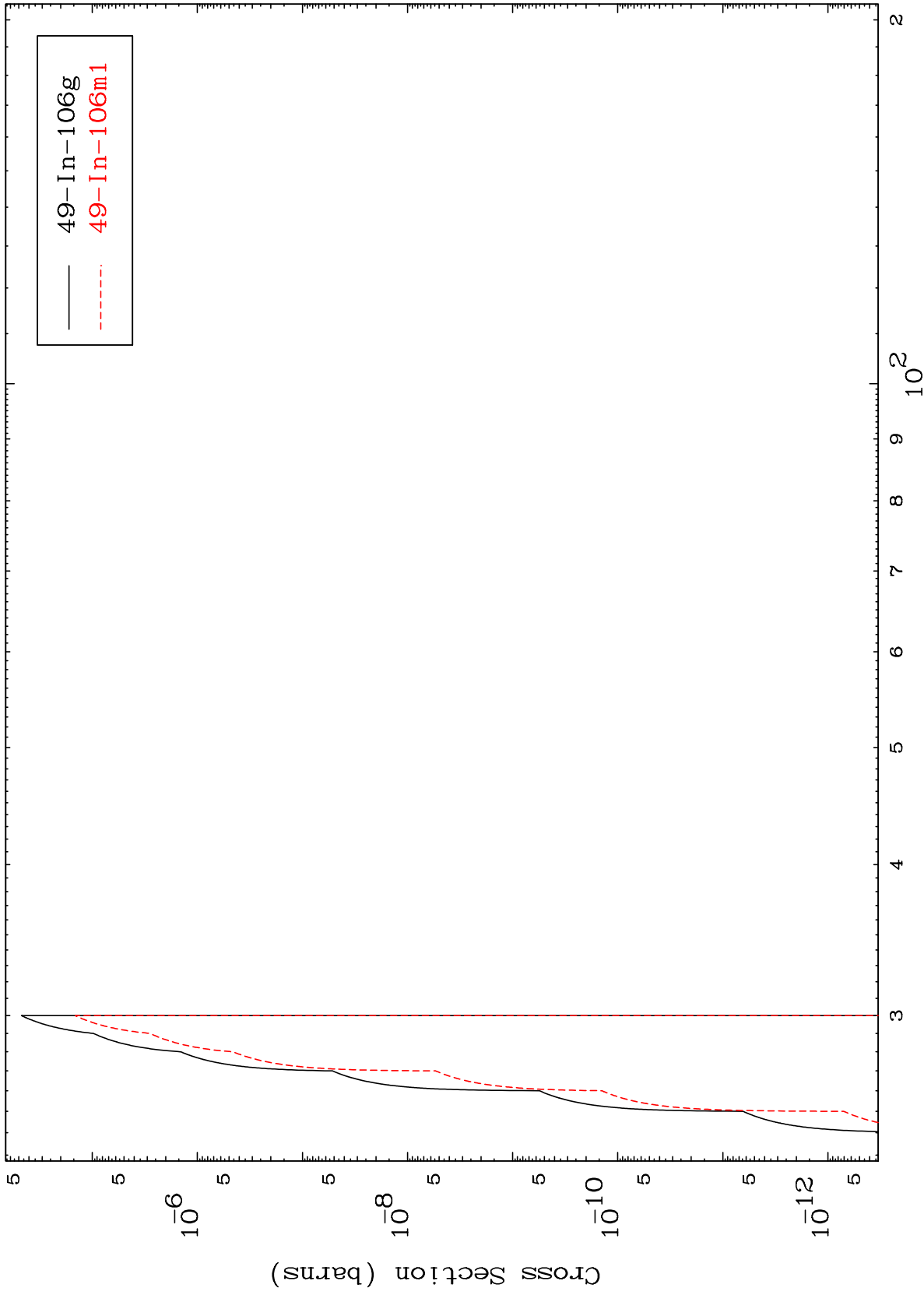
50-Sn-109

MAT 5016

(n,2n) d

50-Sn-109

Radionuclide Production Cross Section



130

Incident Energy (MeV)

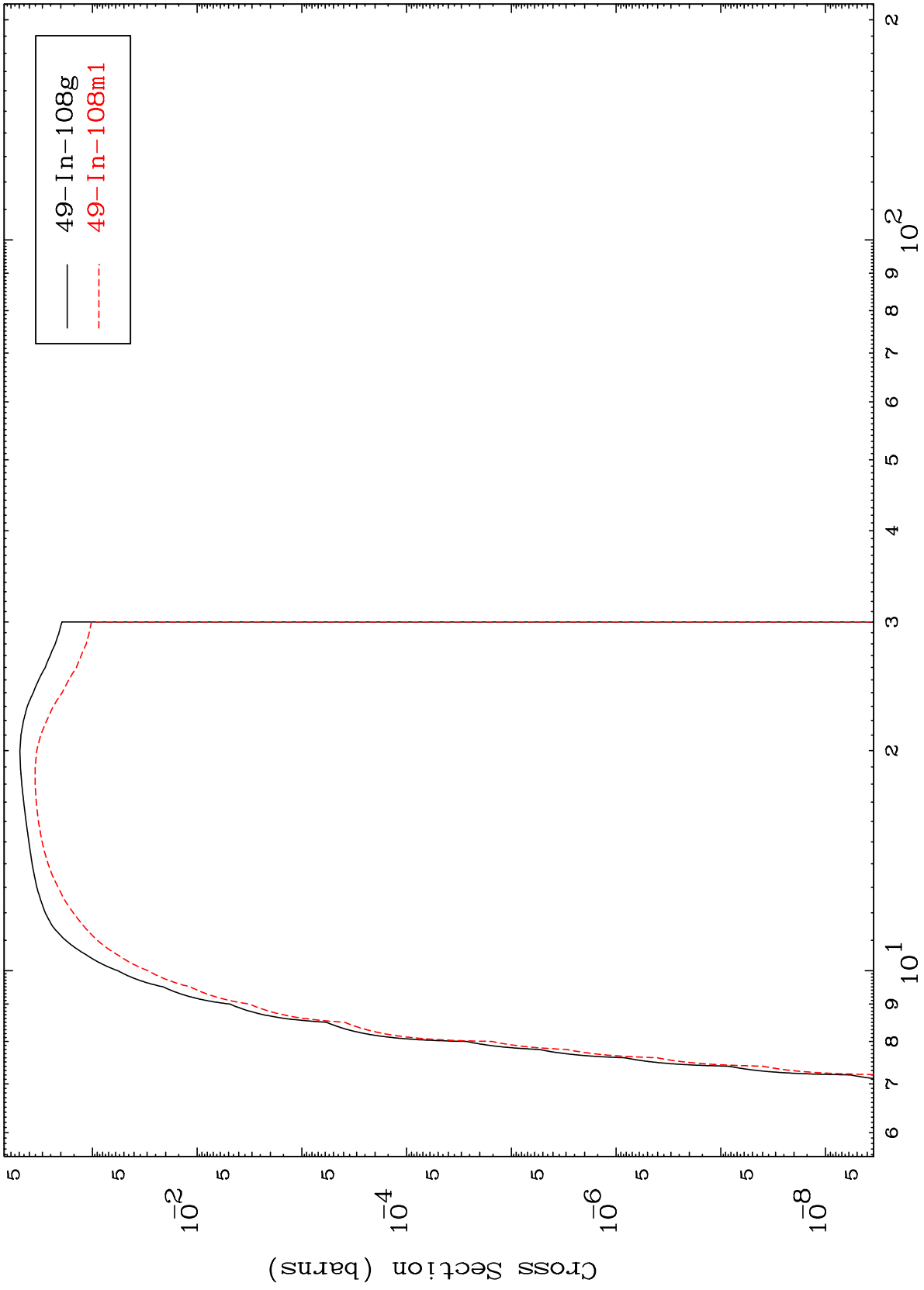
50-Sn-109

MAT 5016

(n,n') p

50-Sn-109

Radionuclide Production Cross Section



131

Incident Energy (MeV)

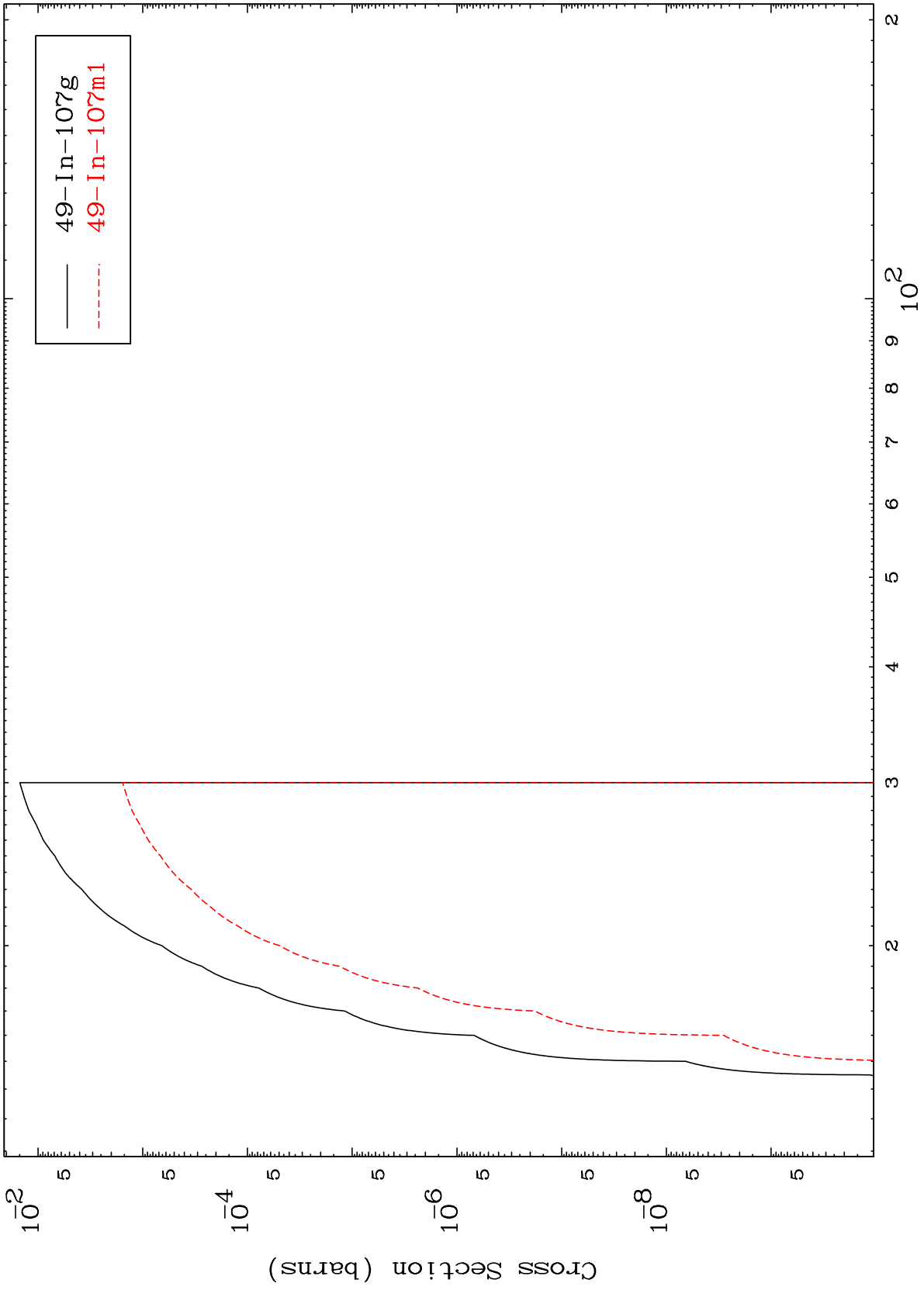
50-Sn-109

MAT 5016

(n,n') d

50-Sn-109

Radionuclide Production Cross Section



132

Incident Energy (MeV)

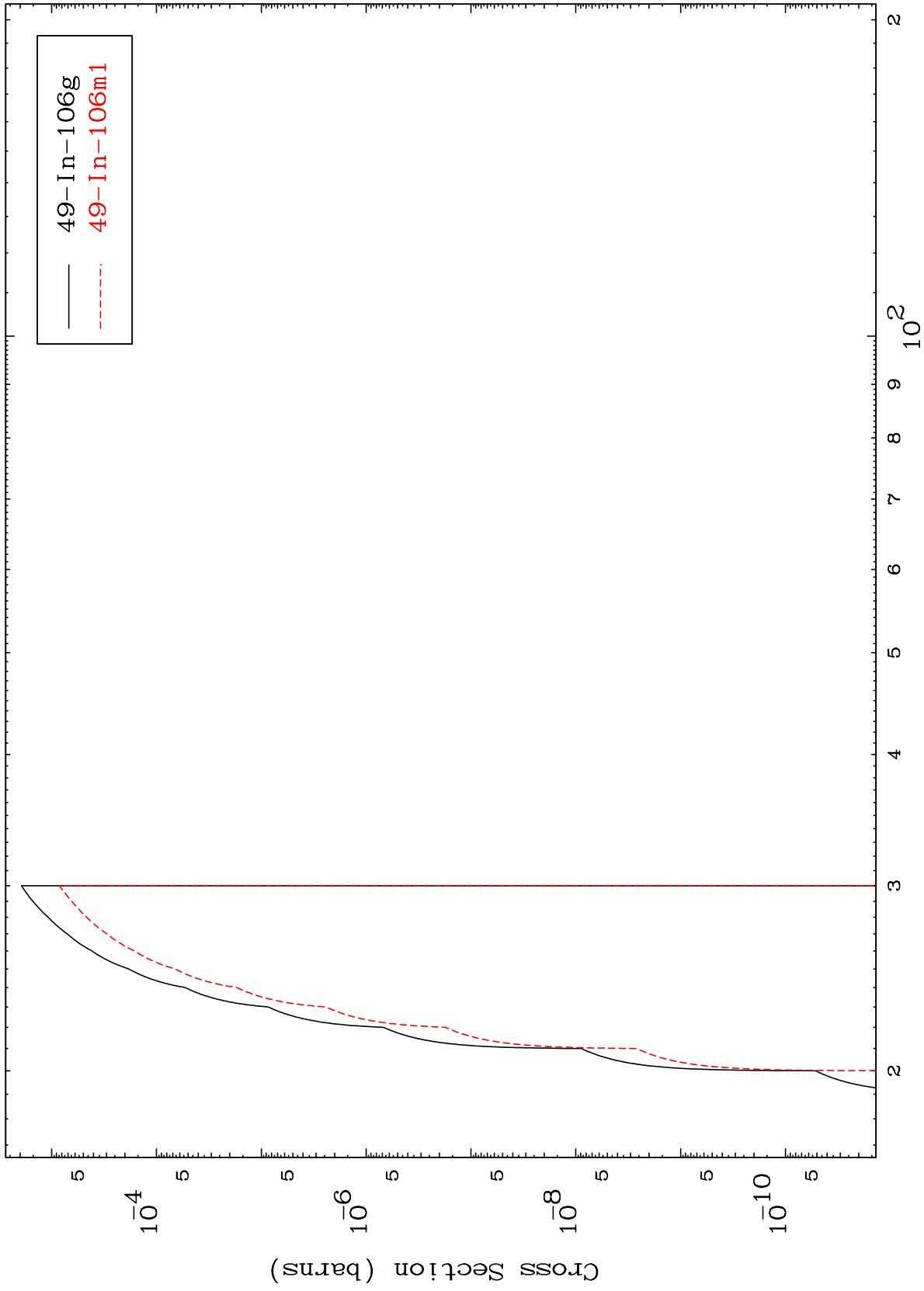
50-Sn-109

MAT 5016

(n,n') t

50-Sn-109

Radionuclide Production Cross Section



133

Incident Energy (MeV)

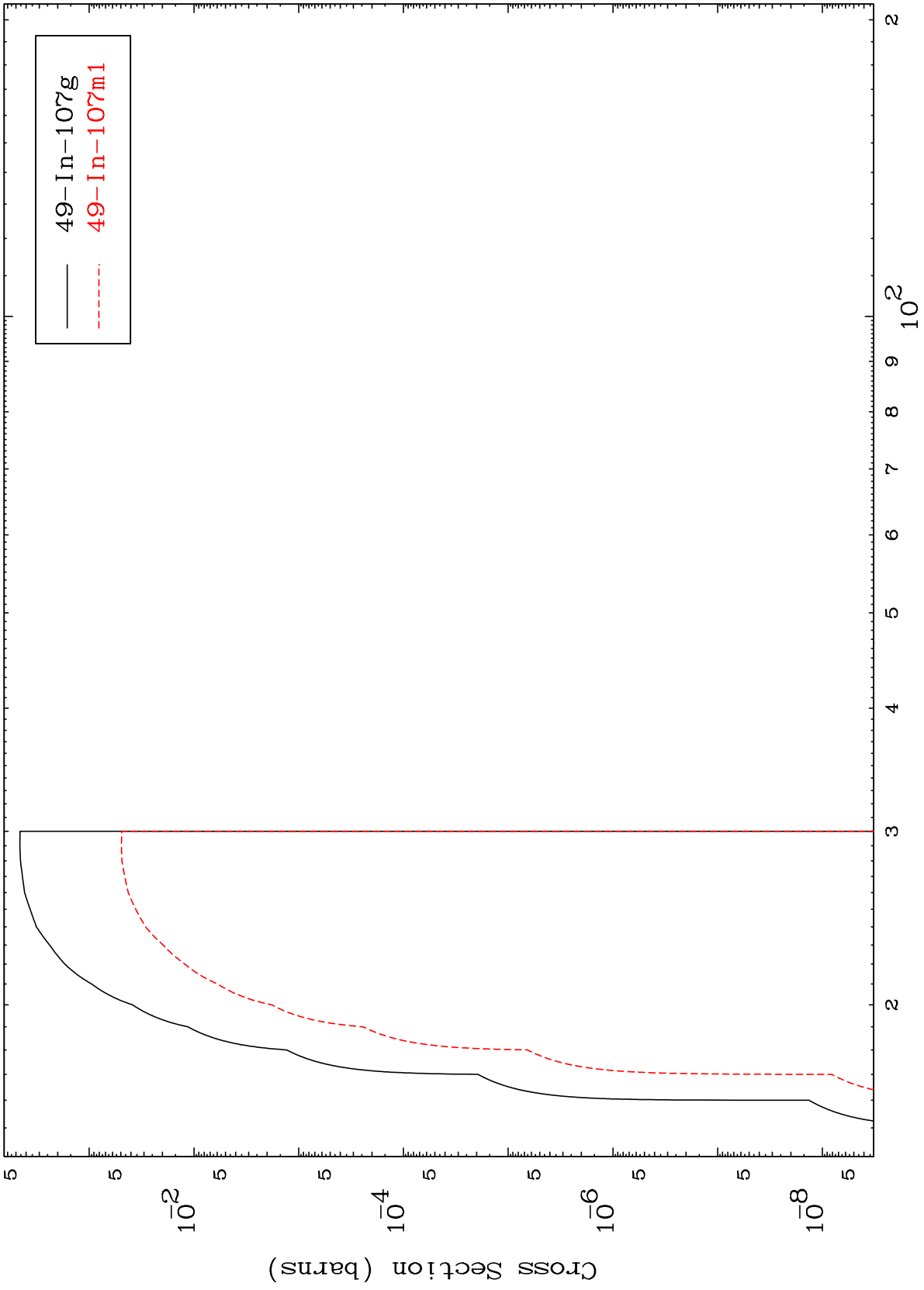
50-Sn-109

MAT 5016

(n,2n) p

50-Sn-109

Radionuclide Production Cross Section



134

Incident Energy (MeV)

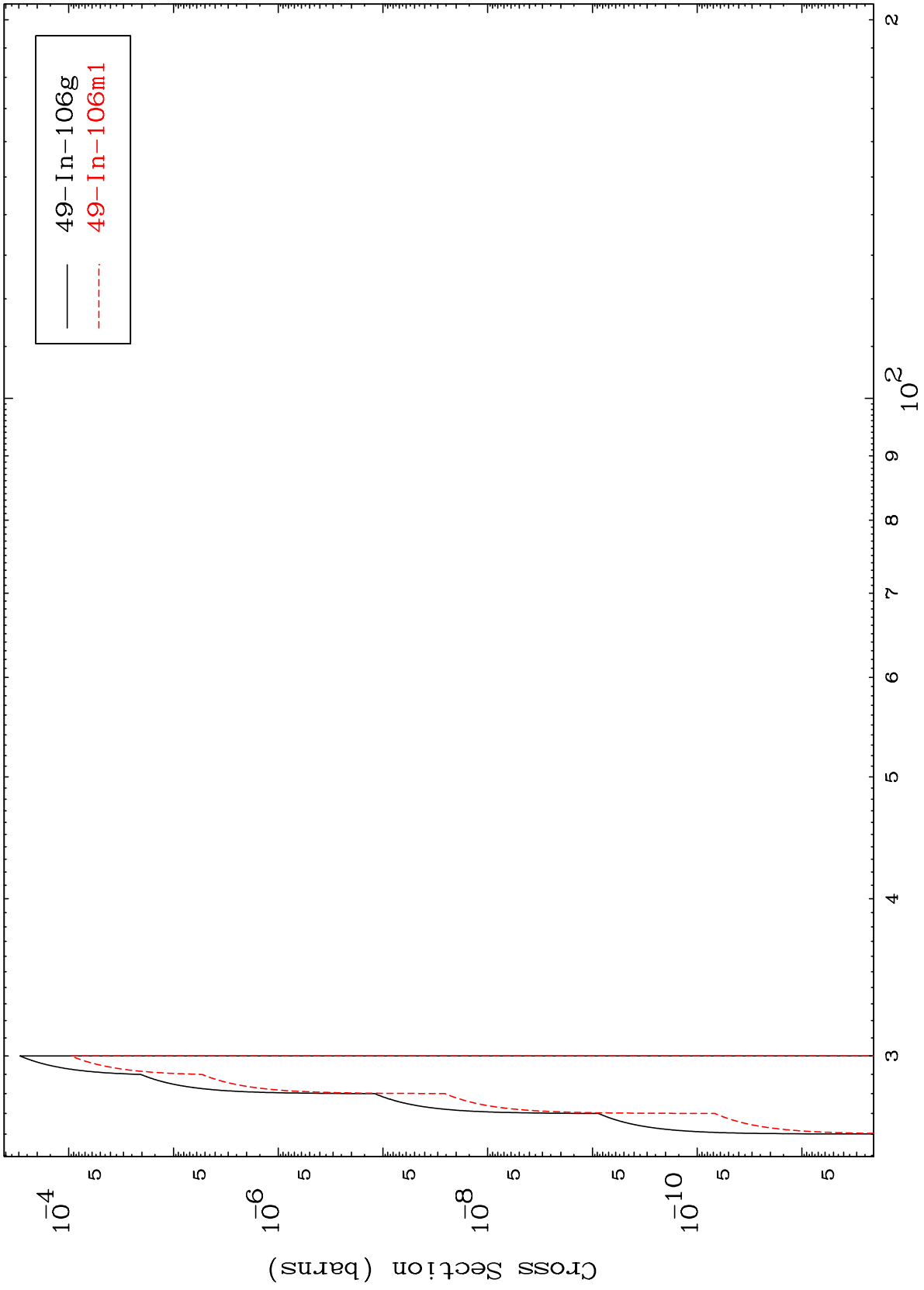
50-Sn-109

MAT 5016

(n,3n) p

50-Sn-109

Radionuclide Production Cross Section



135

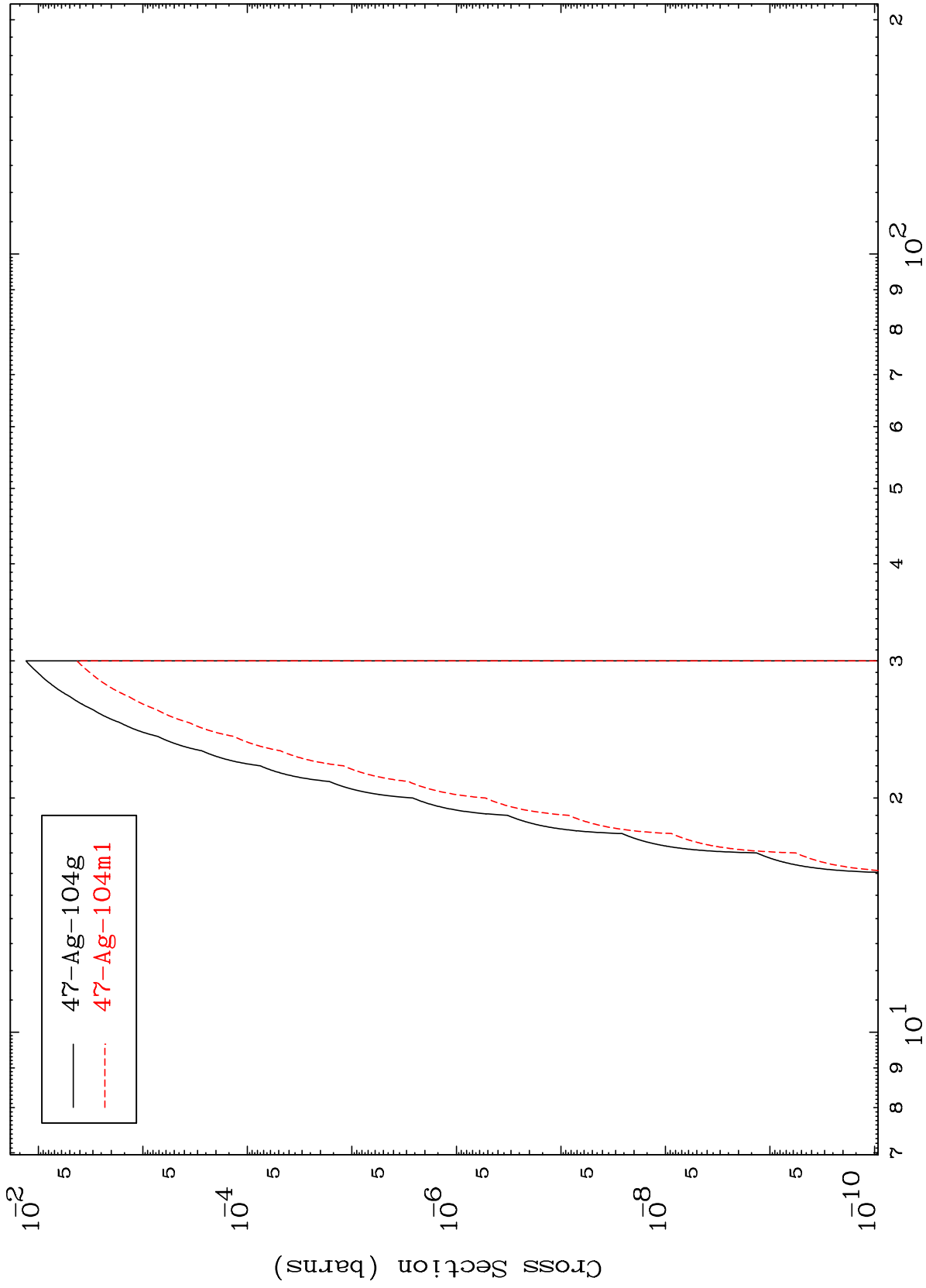
Incident Energy (MeV)

50-Sn-109

MAT 5016

50-Sn-109

(n,n') p α
Radionuclide Production Cross Section



136

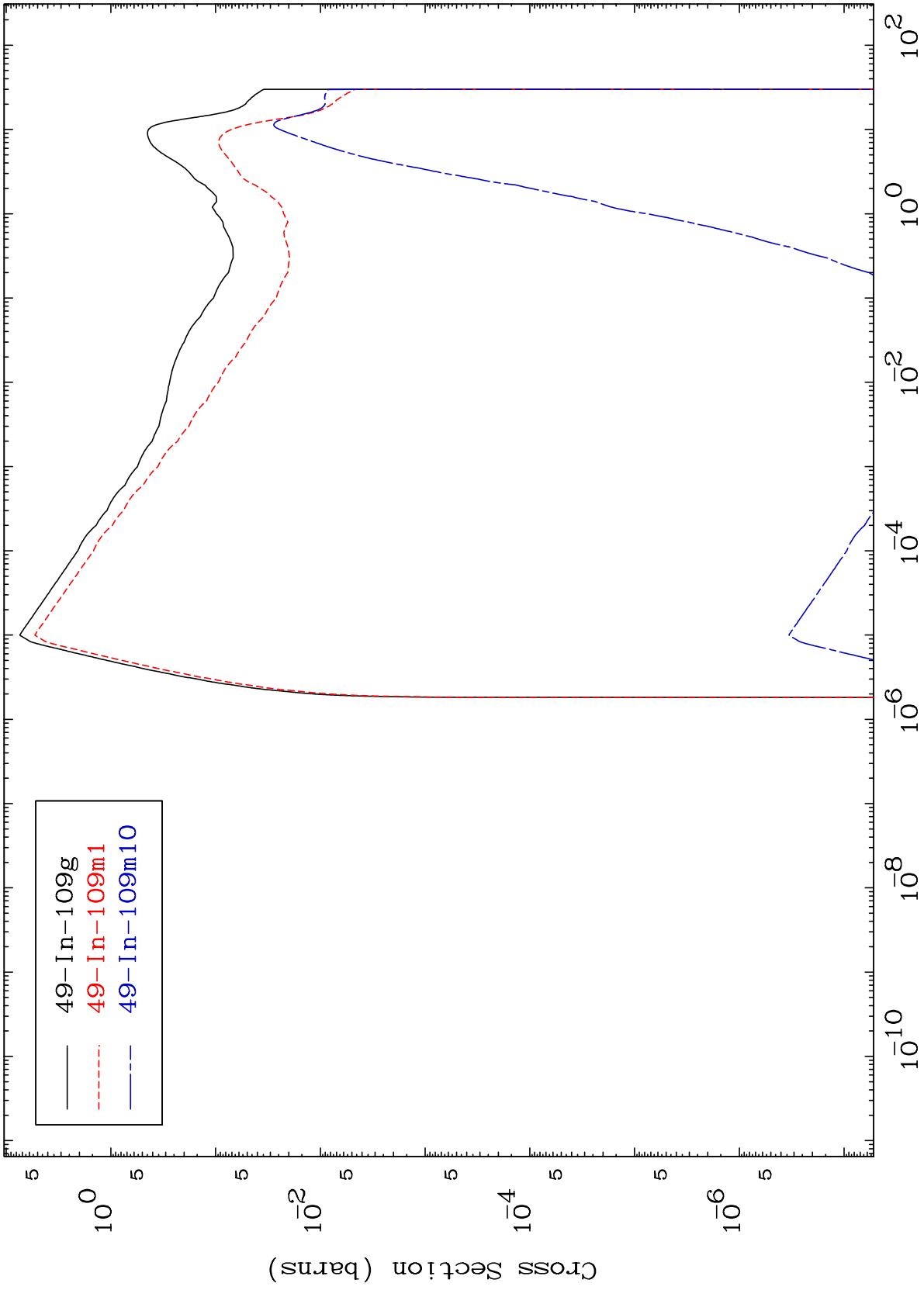
Incident Energy (MeV)

50-Sn-109

MAT 5016

50-Sn-109

(n,p)
Radionuclide Production Cross Section



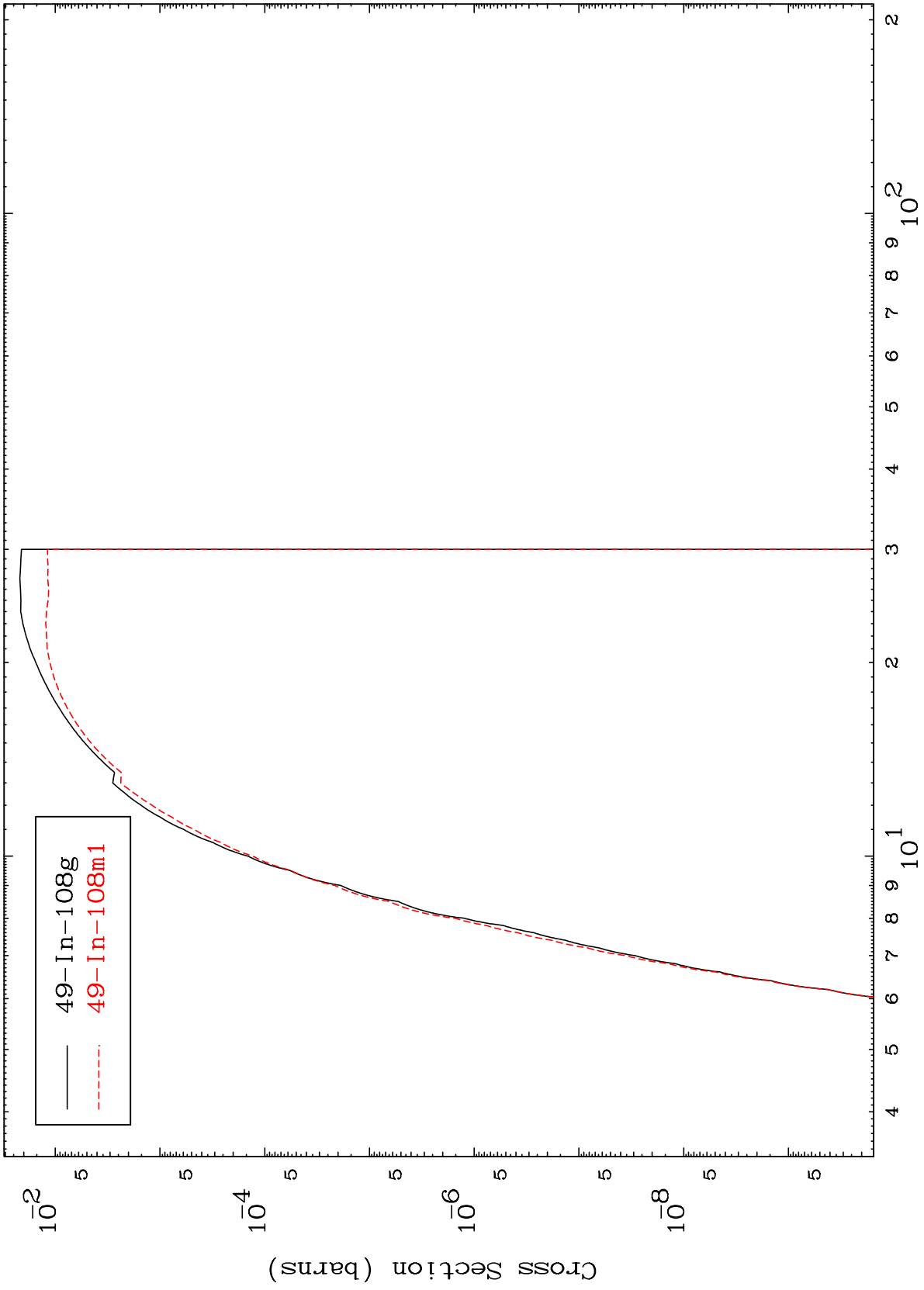
137

50-Sn-109

MAT 5016

(n,d)
Radionuclide Production Cross Section

50-Sn-109



138

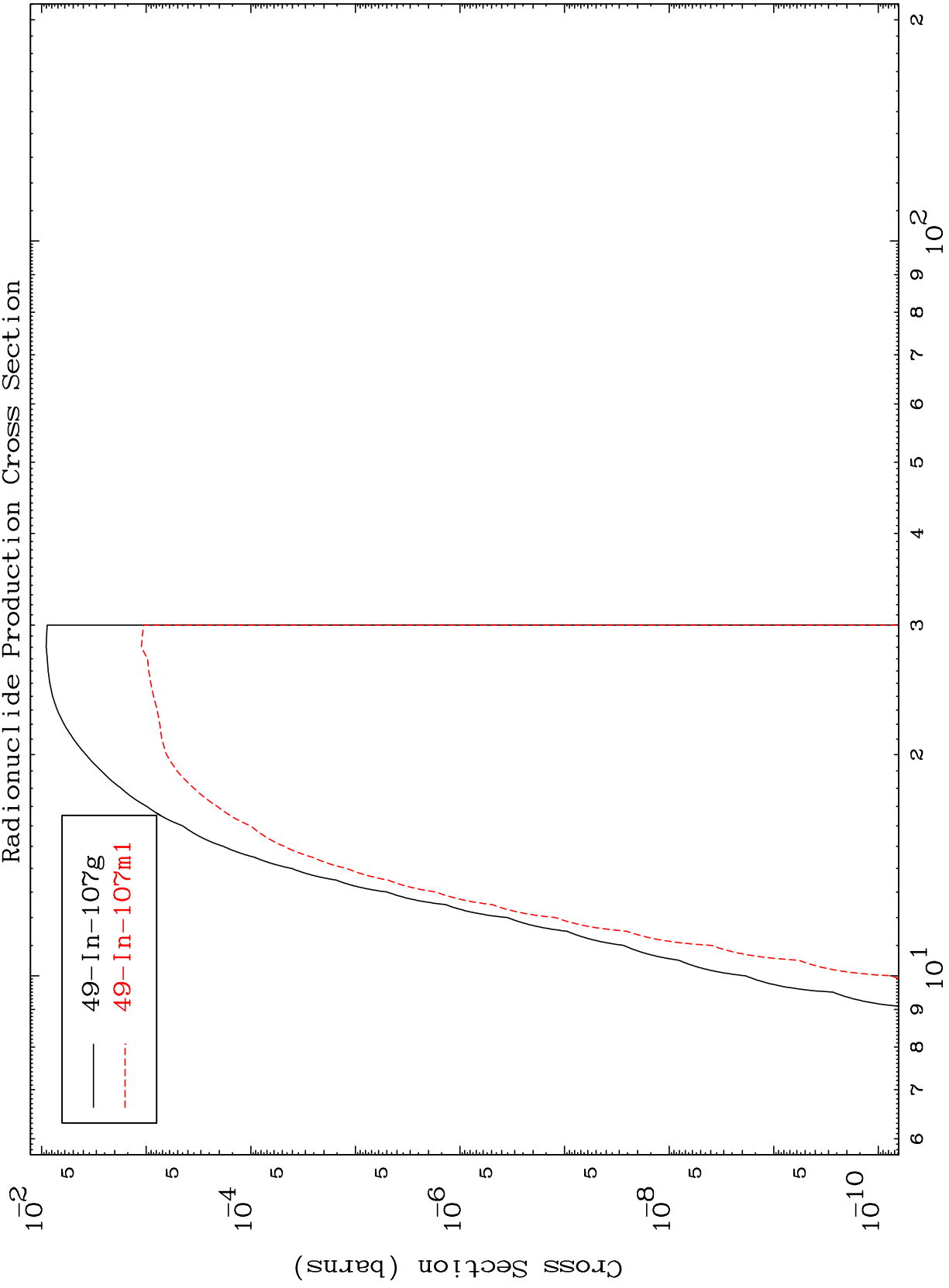
Incident Energy (MeV)

50-Sn-109

MAT 5016

Radionuclide Production Cross Section
(n, t)

50-Sn-109



139

Incident Energy (MeV)

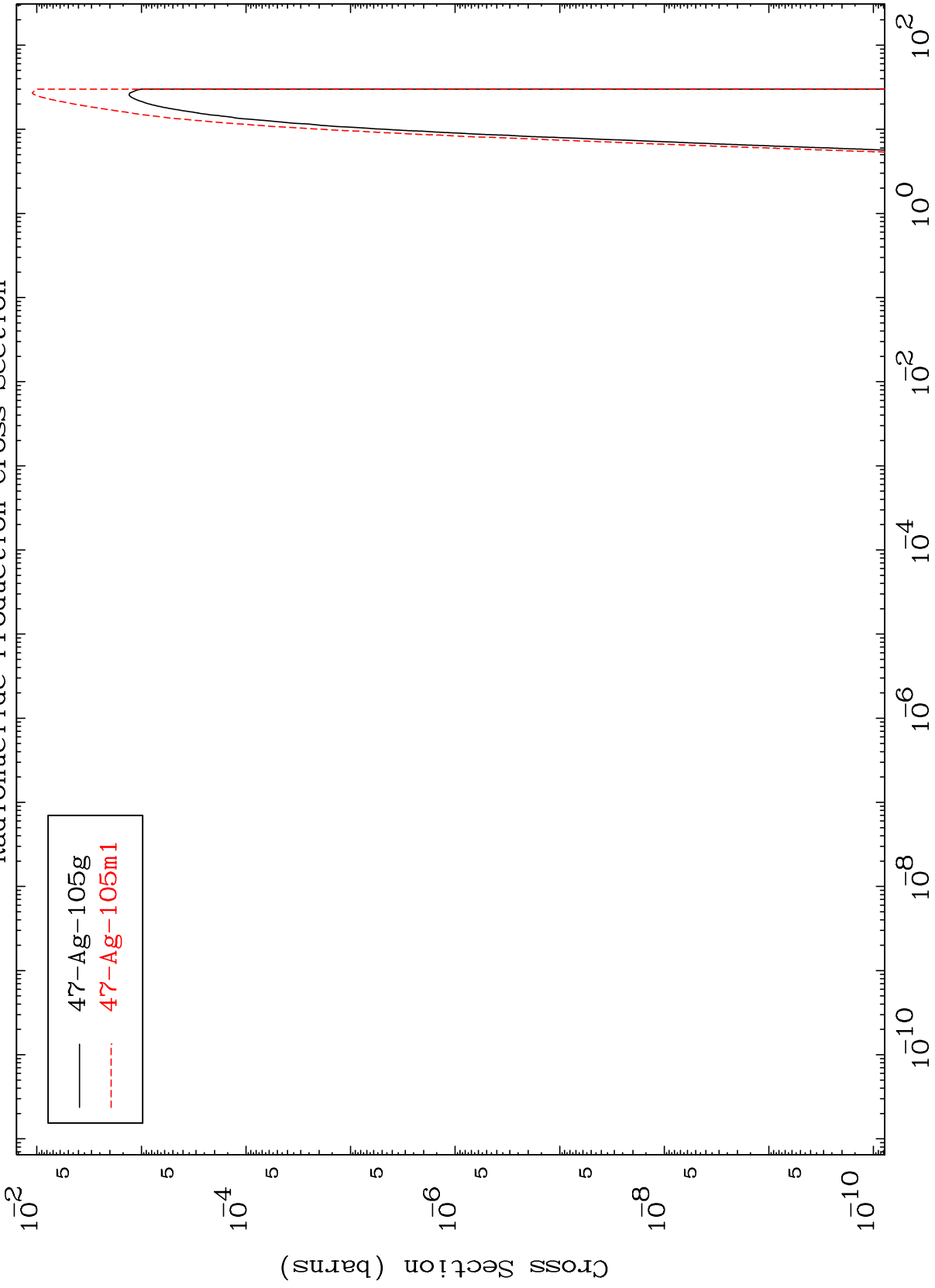
50-Sn-109

MAT 5016

(n,p) α

50-Sn-109

Radionuclide Production Cross Section



140

Incident Energy (MeV)

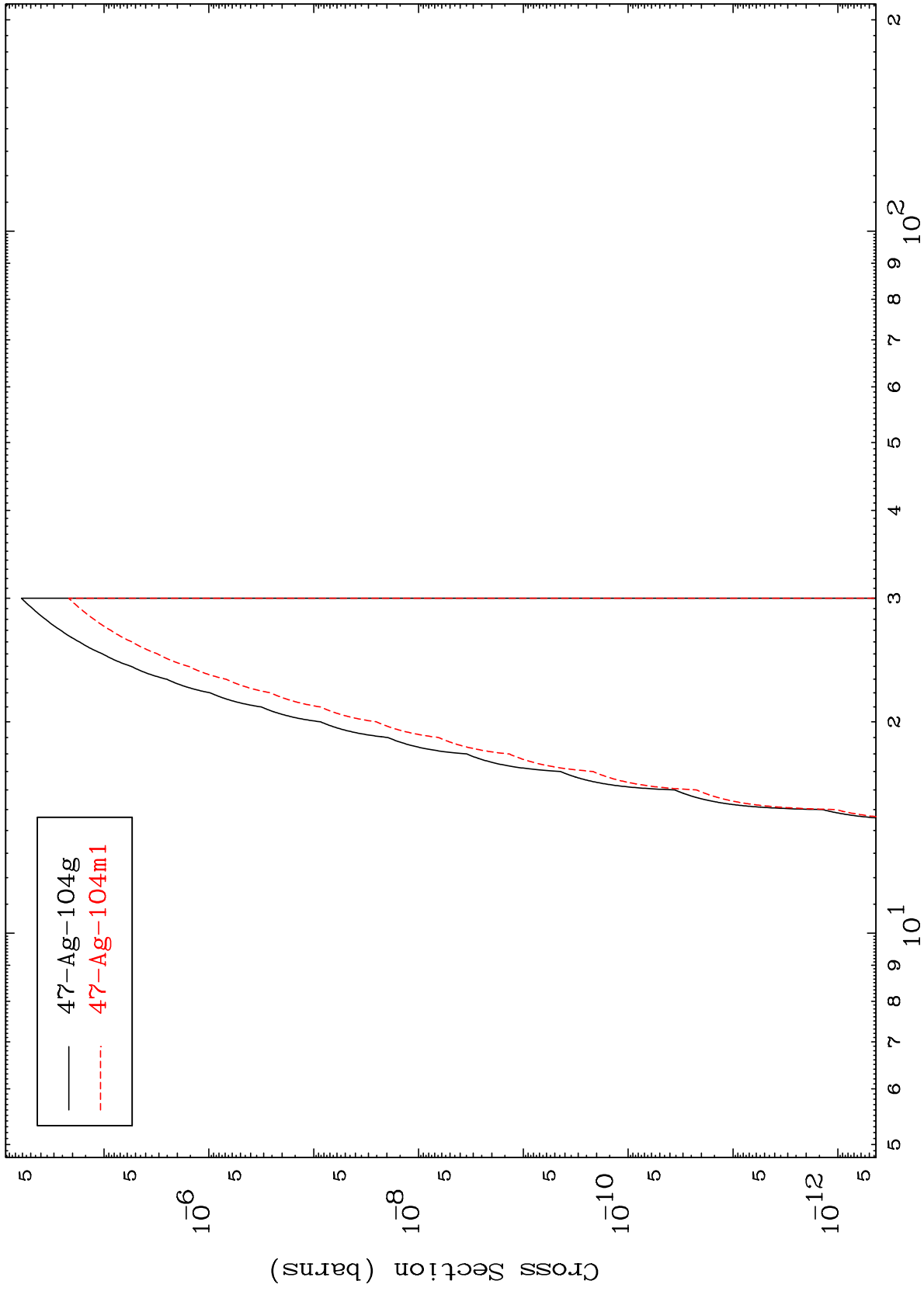
50-Sn-109

MAT 5016

(n,d) α

50-Sn-109

Radionuclide Production Cross Section



141

Incident Energy (MeV)

50-Sn-109