

Program EVALPLOT
(Version 2018-1)

by

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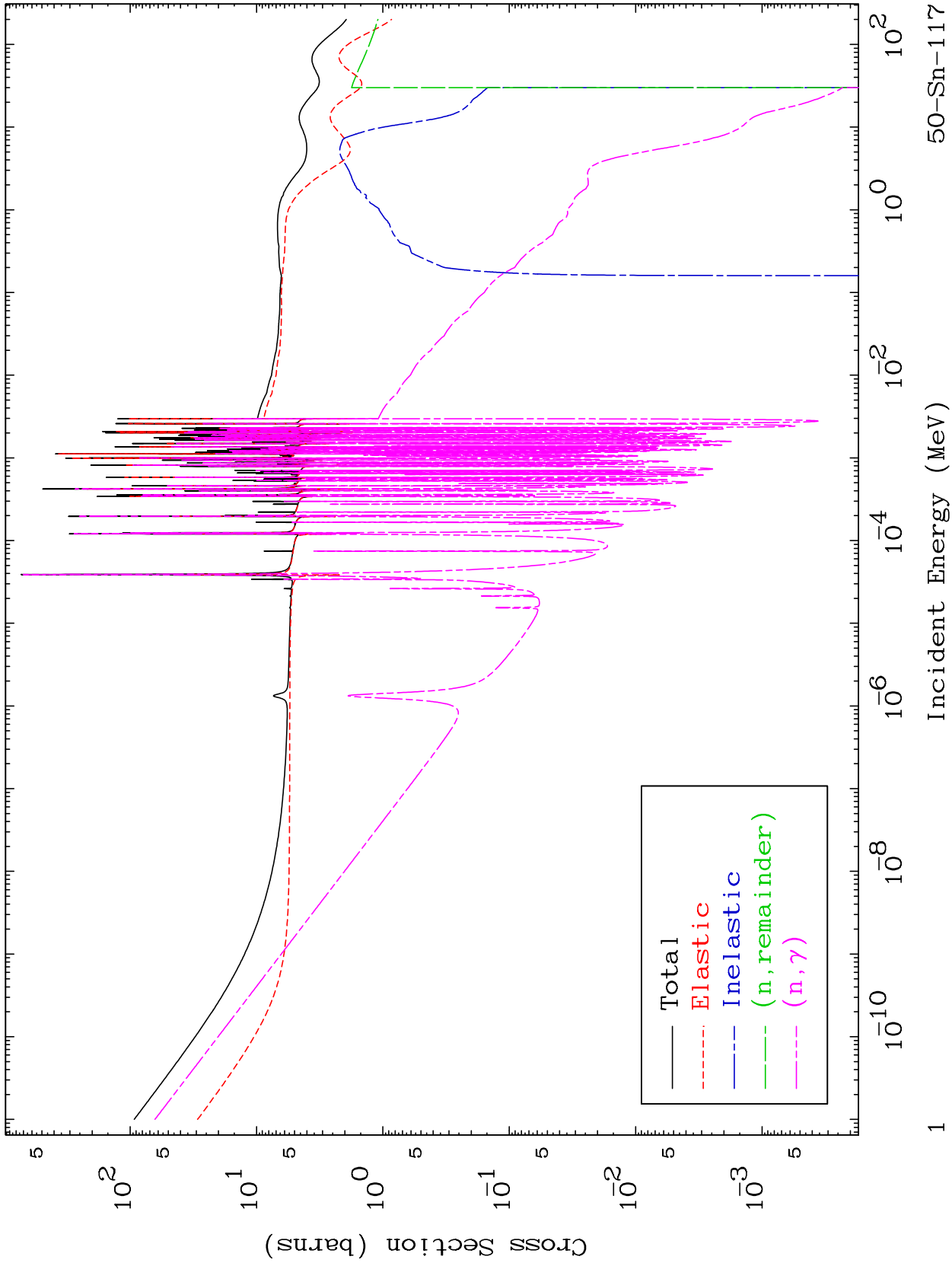
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5040

Major
293 Kelvin Cross Sections

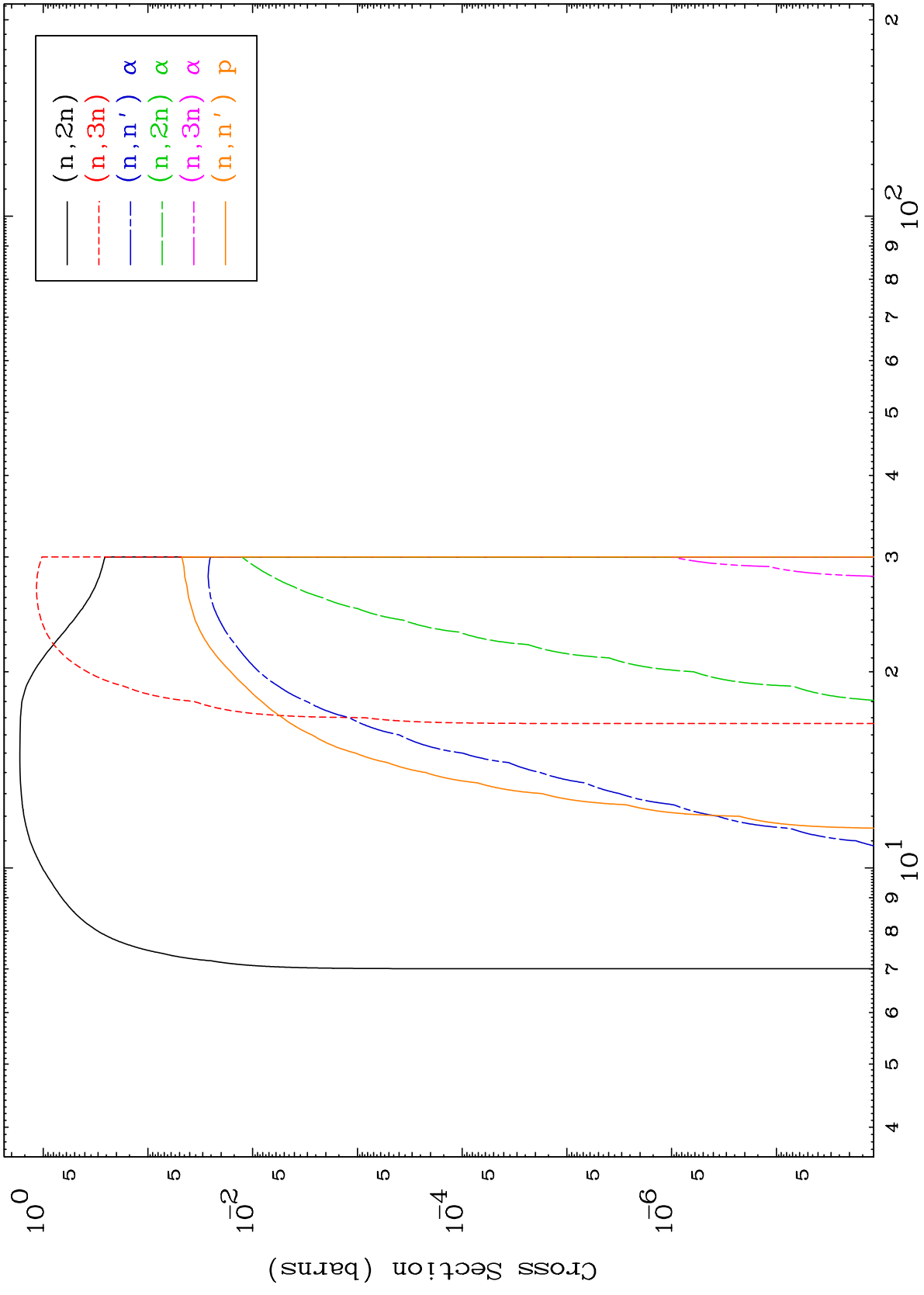
50-Sn-117



MAT 5040

Neutron Production
293 Kelvin Cross Sections

50-Sn-117



2

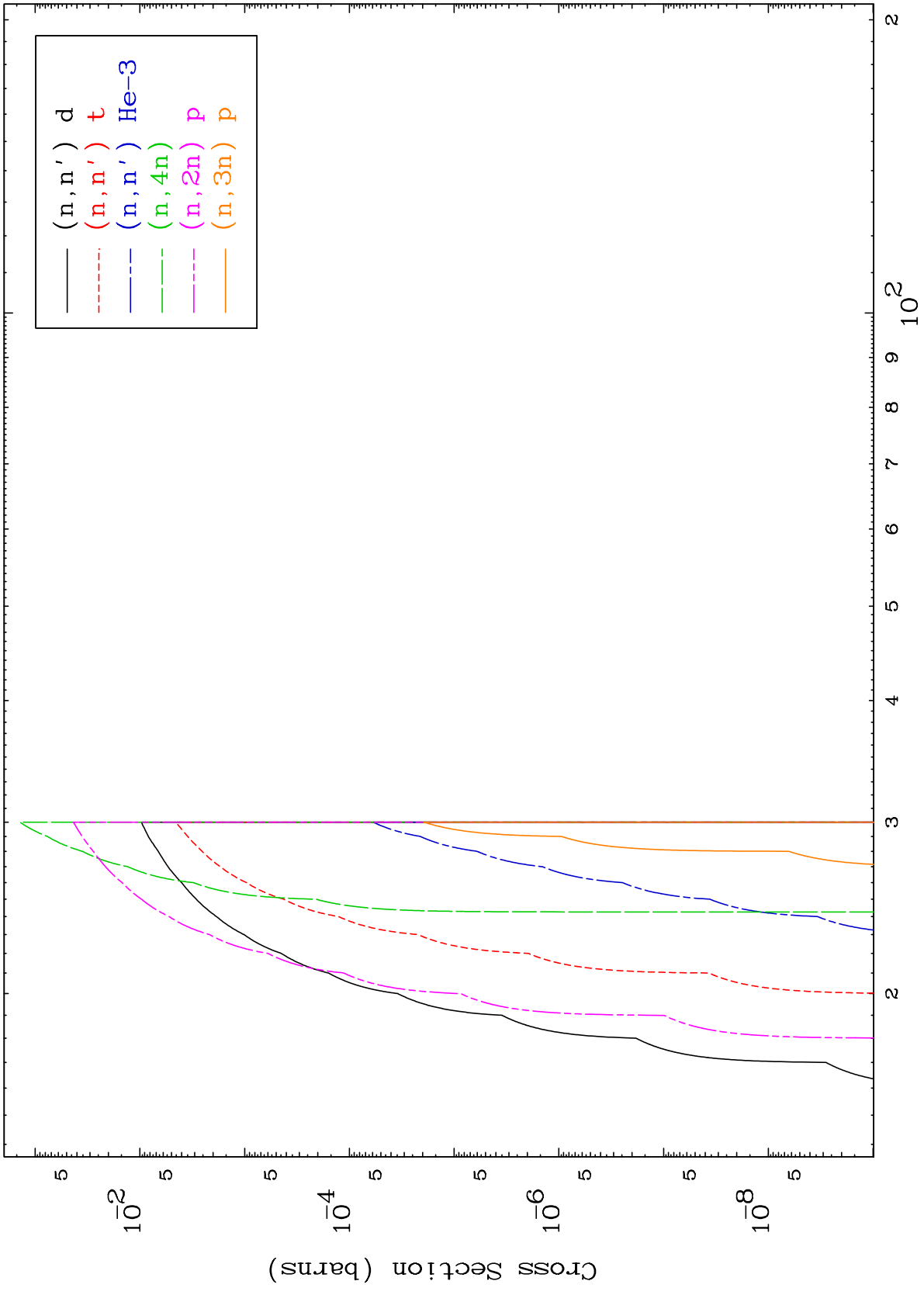
Incident Energy (MeV)

50-Sn-117

MAT 5040

Neutron Production
293 Kelvin Cross Sections

50-Sn-117



3

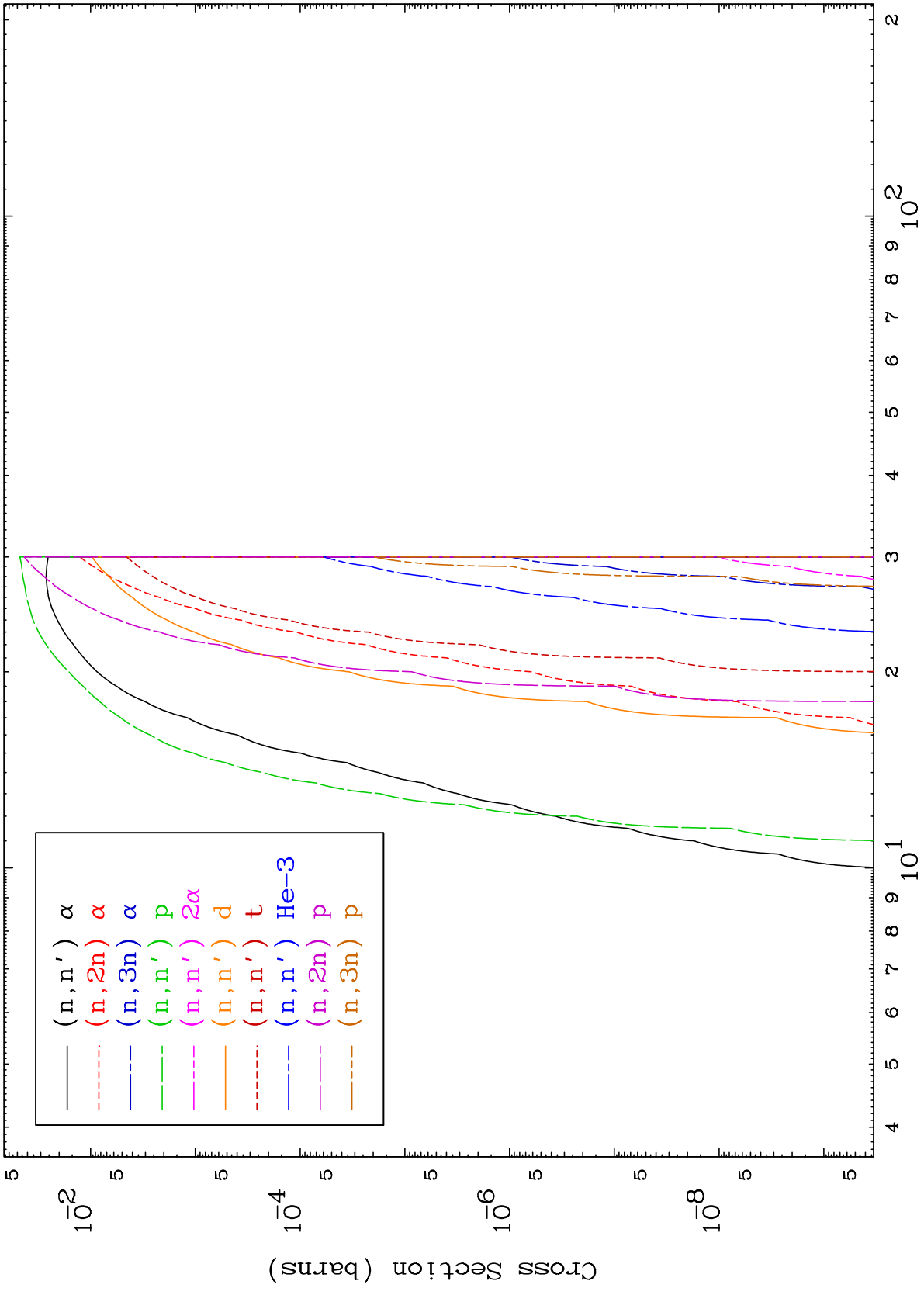
Incident Energy (MeV)

50-Sn-117

MAT 5040

Charged Particle
293 Kelvin Cross Sections

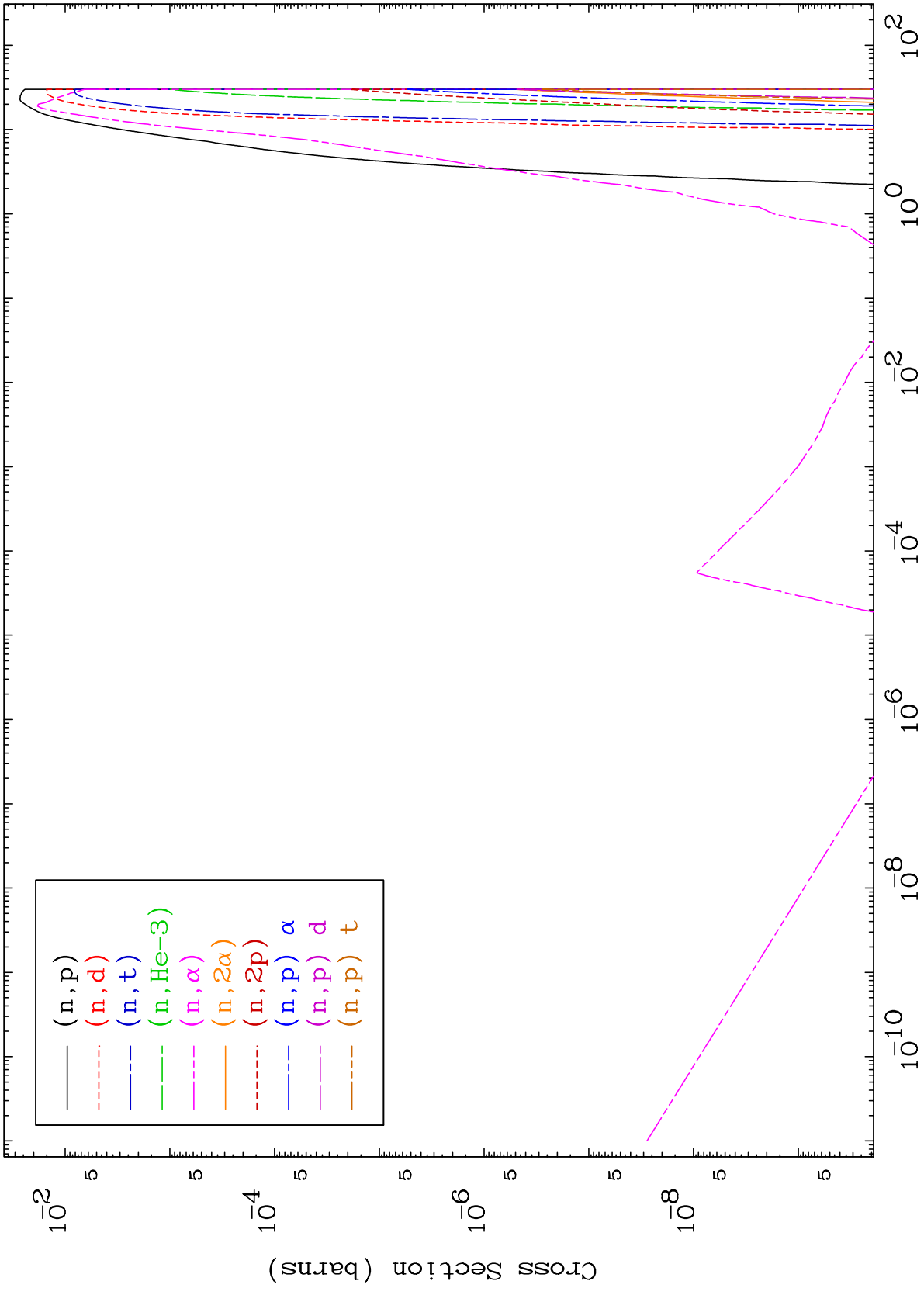
50-Sn-117



MAT 5040

293 Kelvin Cross Sections

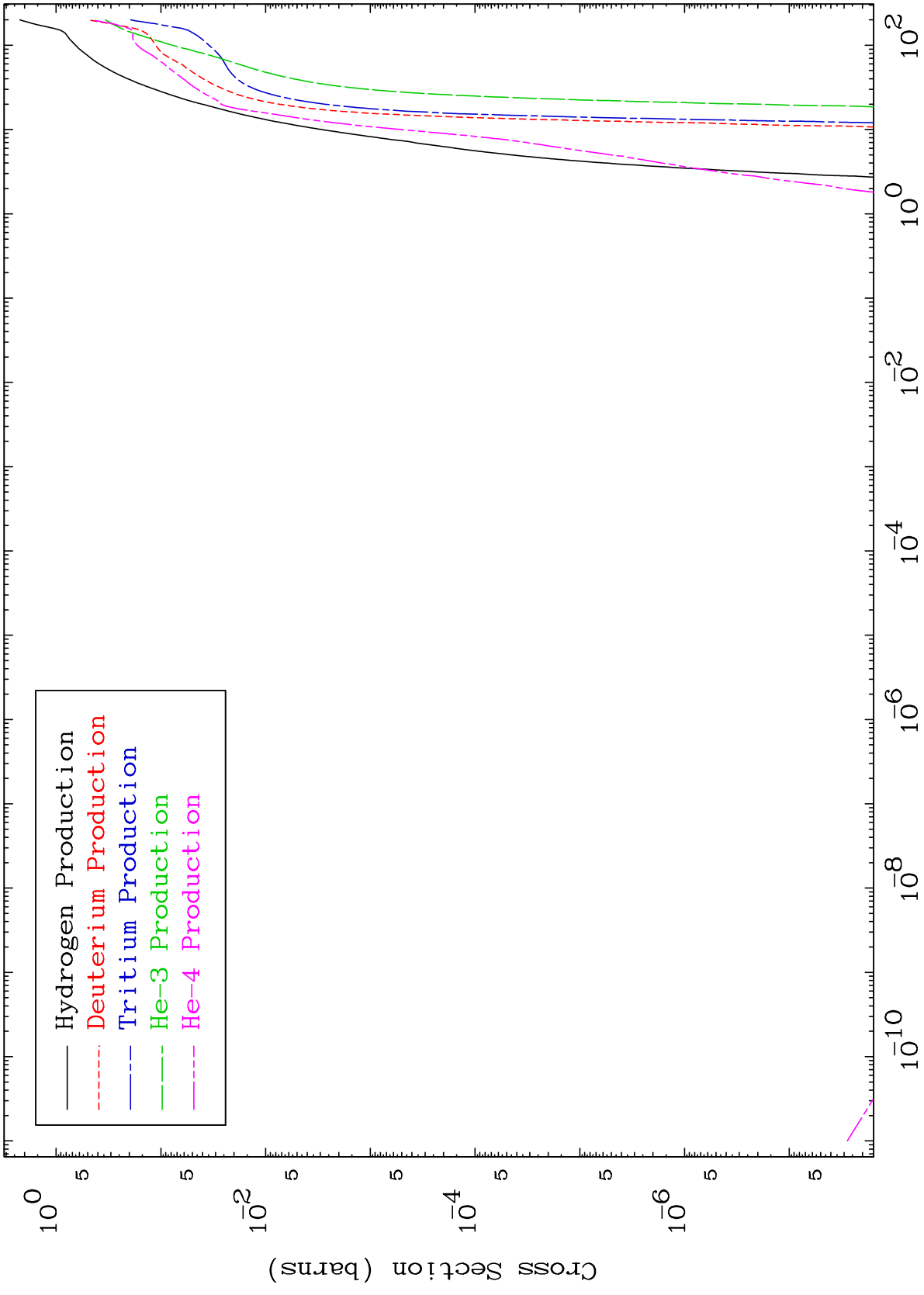
50-Sn-117



MAT 5040

Particle Production
293 Kelvin Cross Sections

50-Sn-117

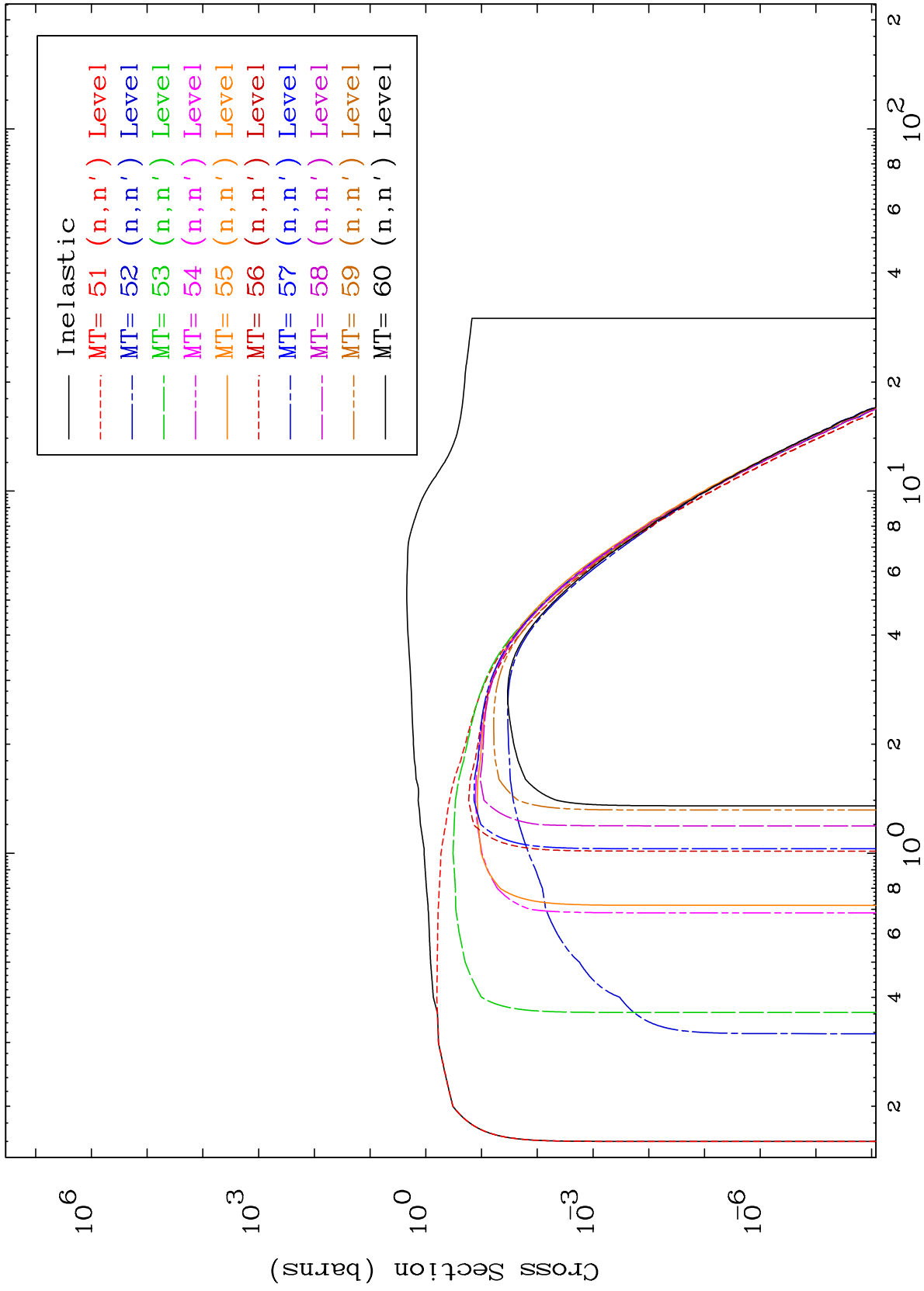


MAT 5040

(n,n') Level

50-Sn-117

293 Kelvin Cross Sections



7

Incident Energy (MeV)

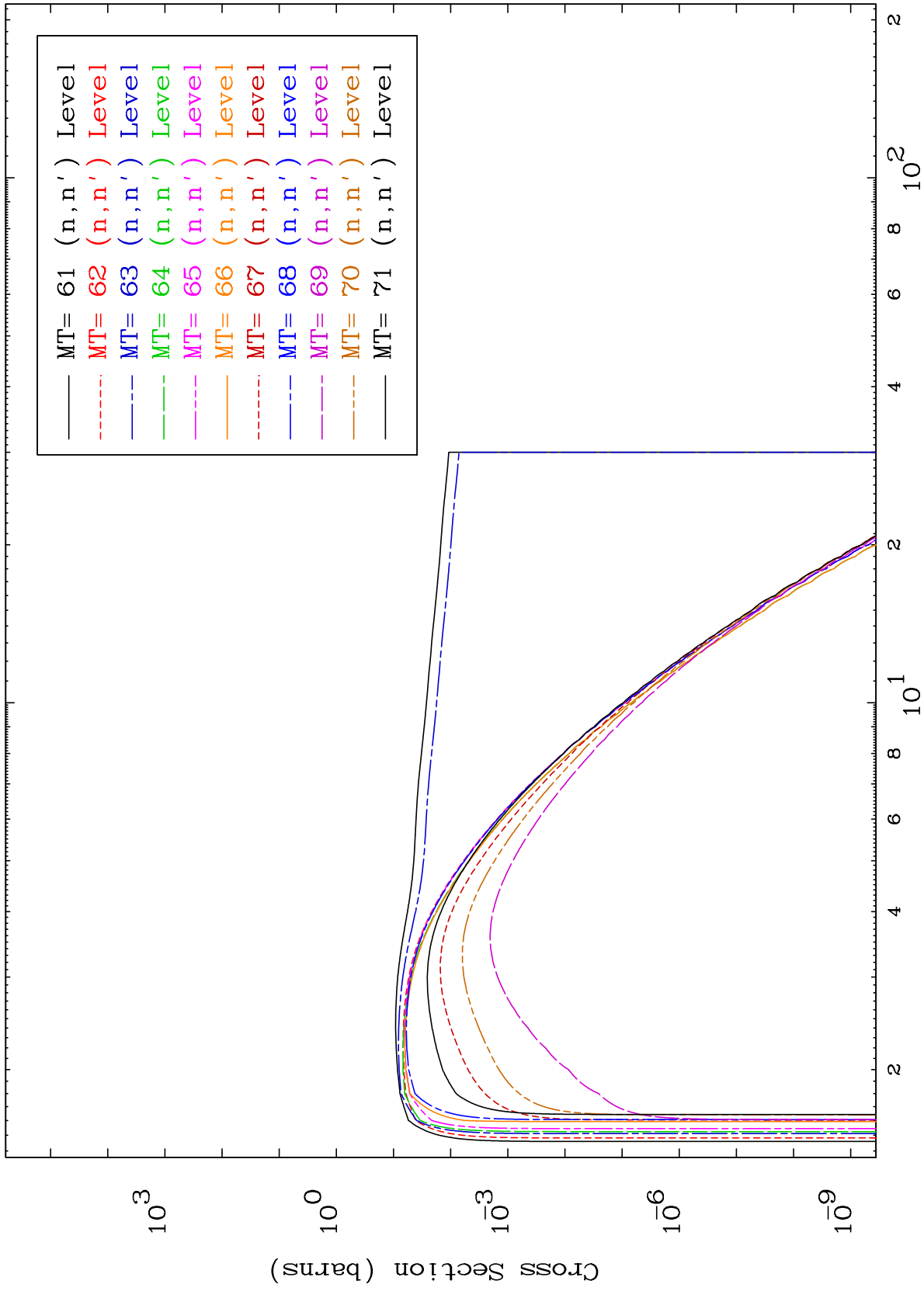
50-Sn-117

MAT 5040

(n,n') Level

50-Sn-117

293 Kelvin Cross Sections



8

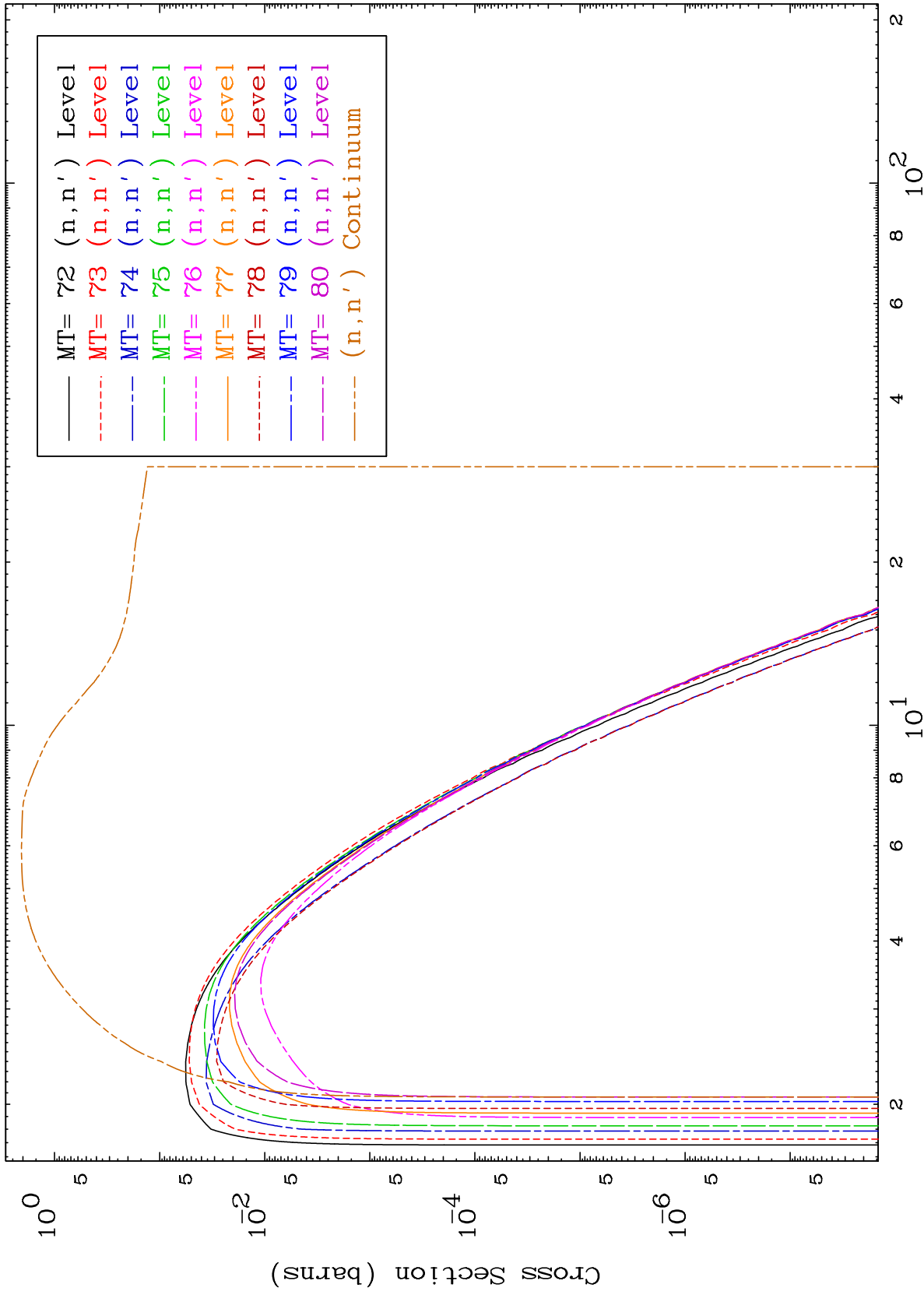
Incident Energy (MeV)

50-Sn-117

MAT 5040

(n,n') Level
293 Kelvin Cross Sections

50-Sn-117



9

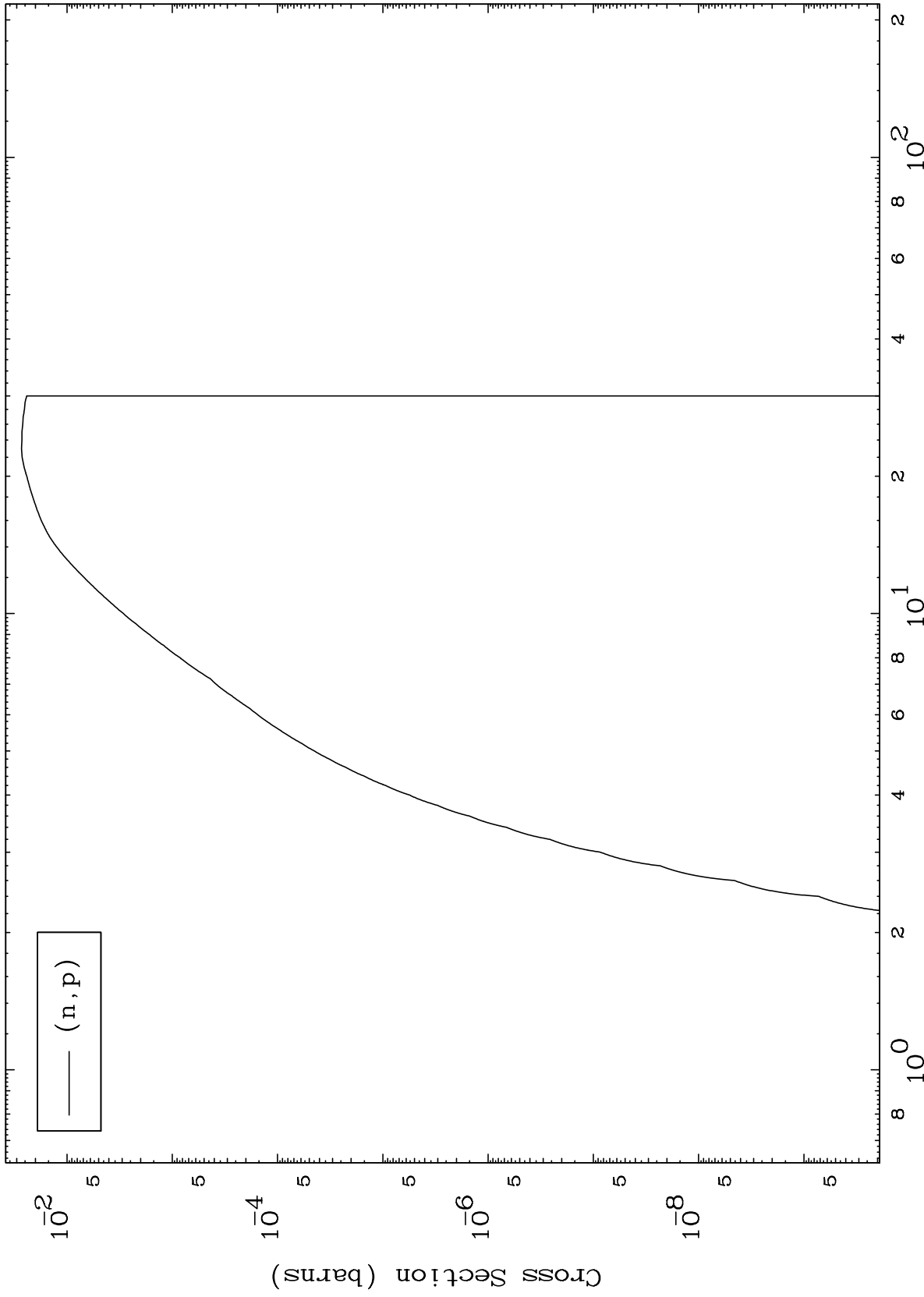
Incident Energy (MeV)

50-Sn-117

MAT 5040

(n,p) Levels
293 Kelvin Cross Sections

50-Sn-117



10

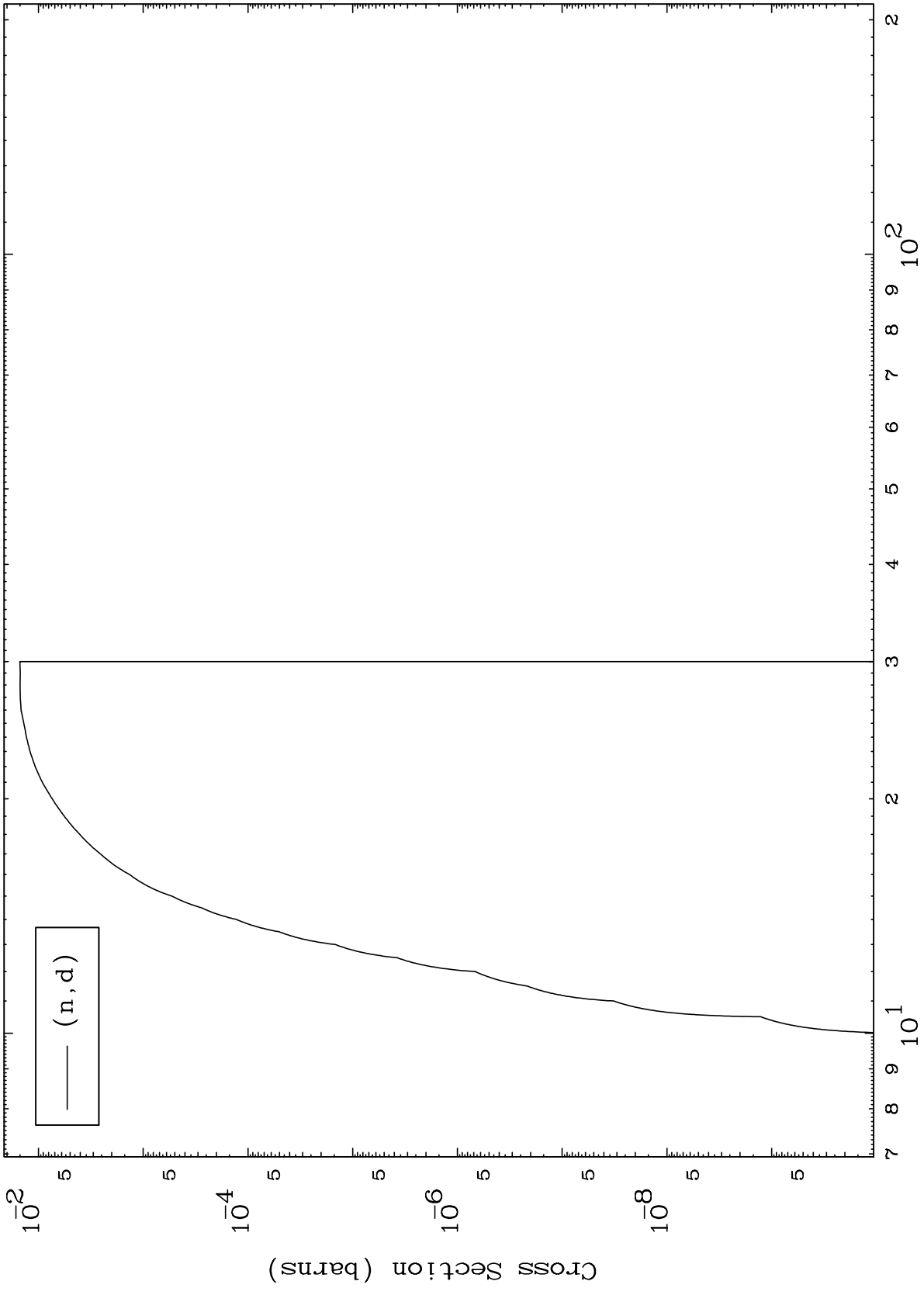
Incident Energy (MeV)

50-Sn-117

MAT 5040

(n,d) Levels
293 Kelvin Cross Sections

50-Sn-117



11

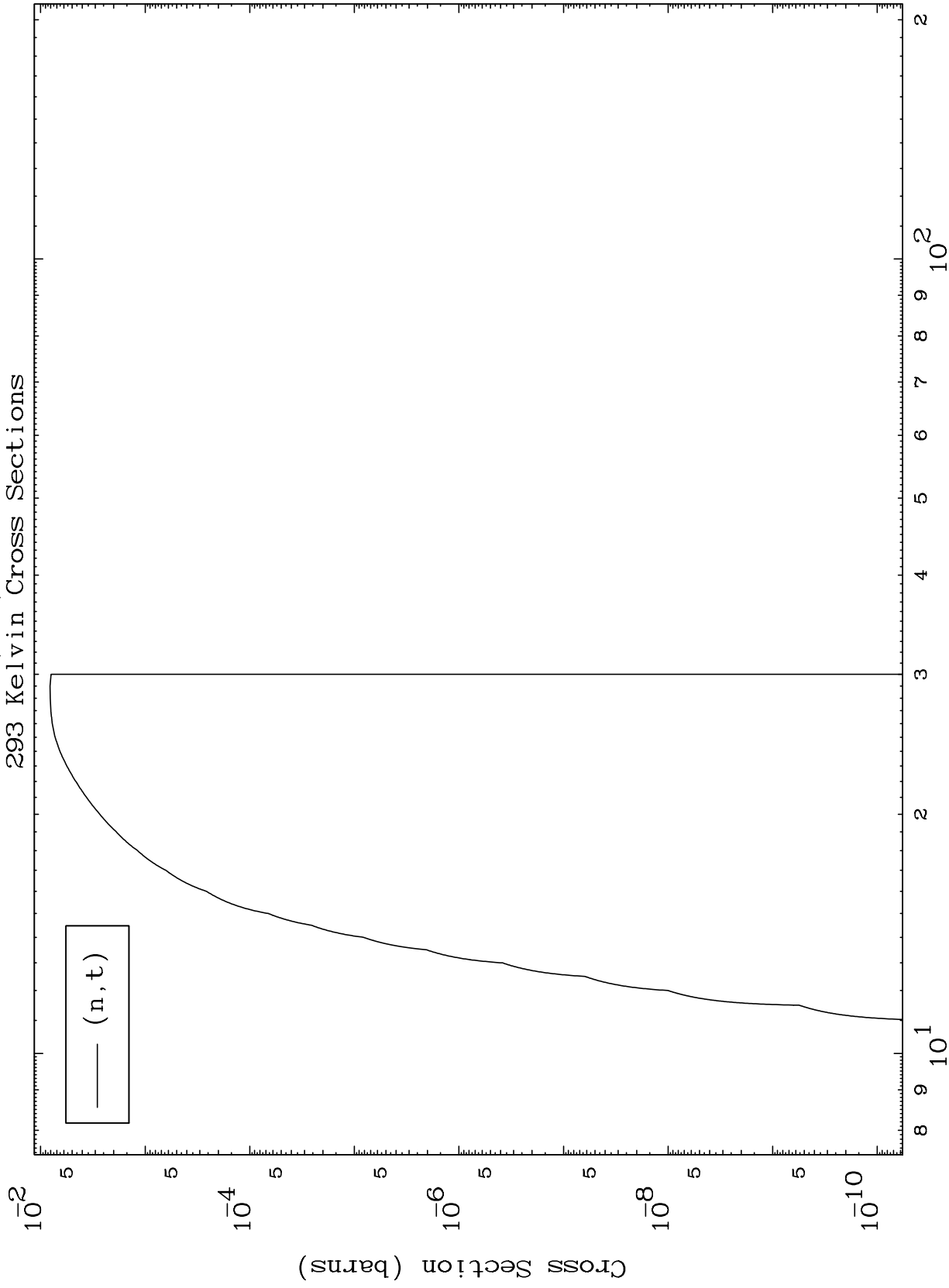
Incident Energy (MeV)

50-Sn-117

MAT 5040

(n,t) Levels
293 Kelvin Cross Sections

50-Sn-117



12

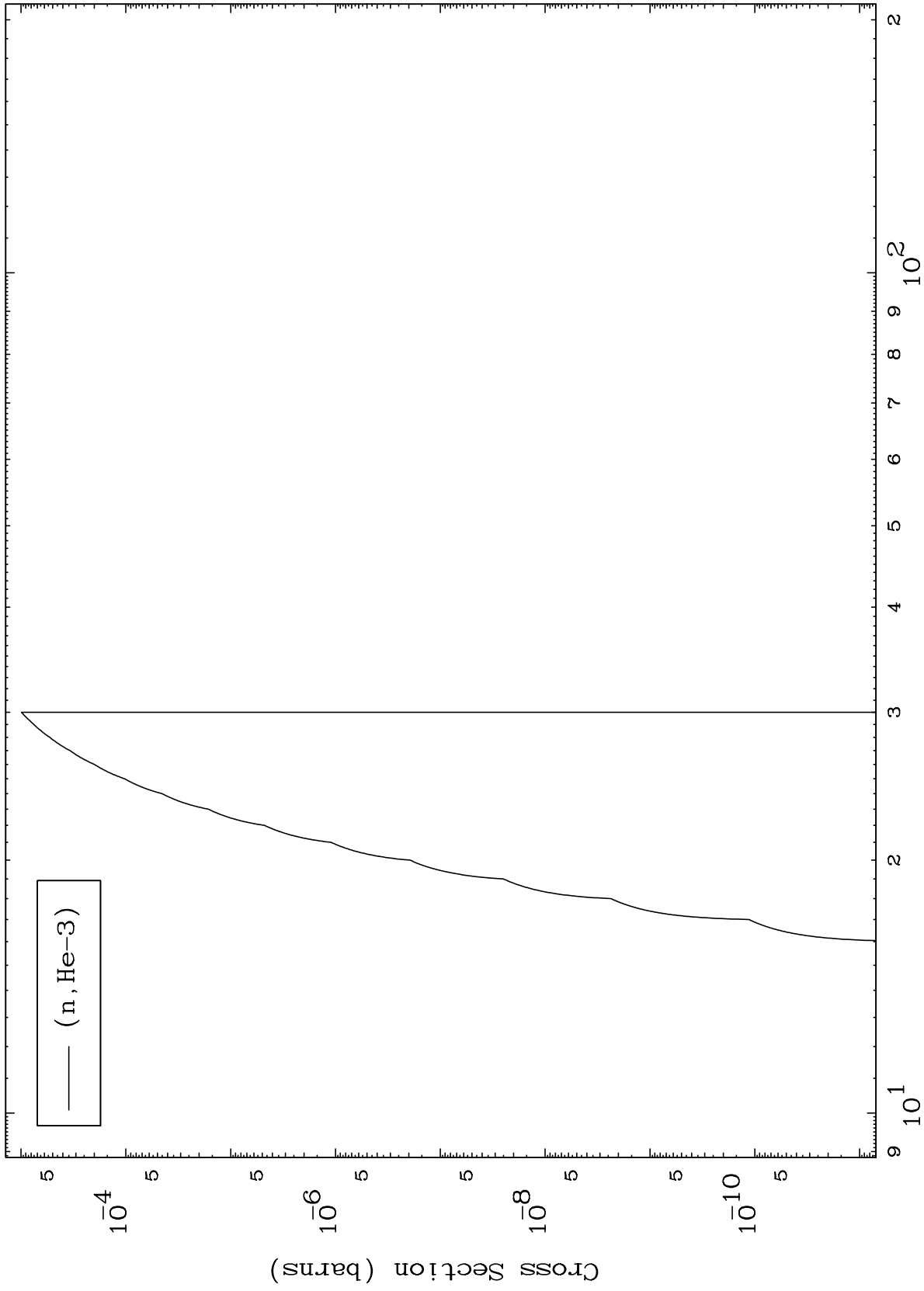
Incident Energy (MeV)

50-Sn-117

MAT 5040

(n,He3) Levels
293 Kelvin Cross Sections

50-Sn-117



13

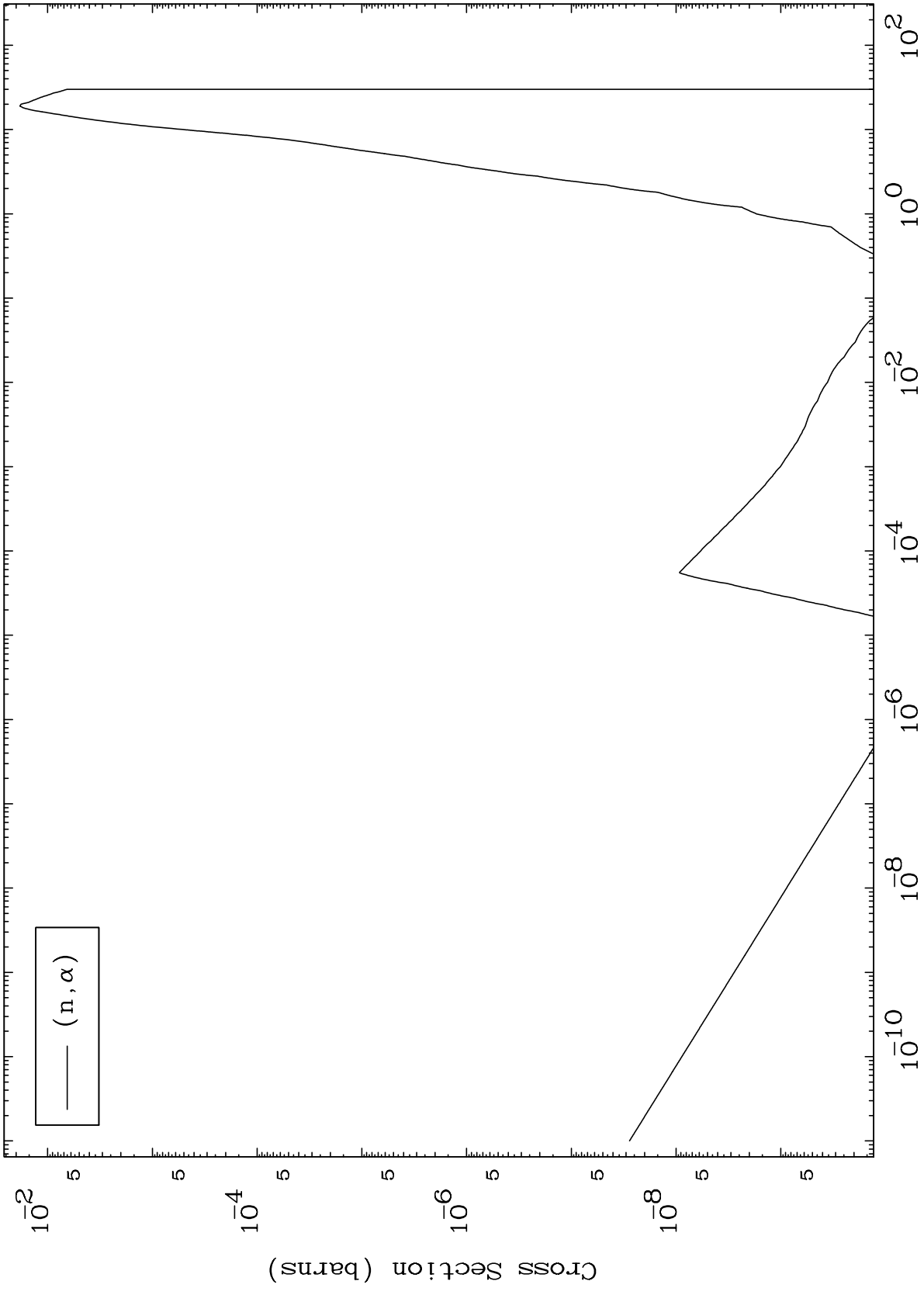
Incident Energy (MeV)

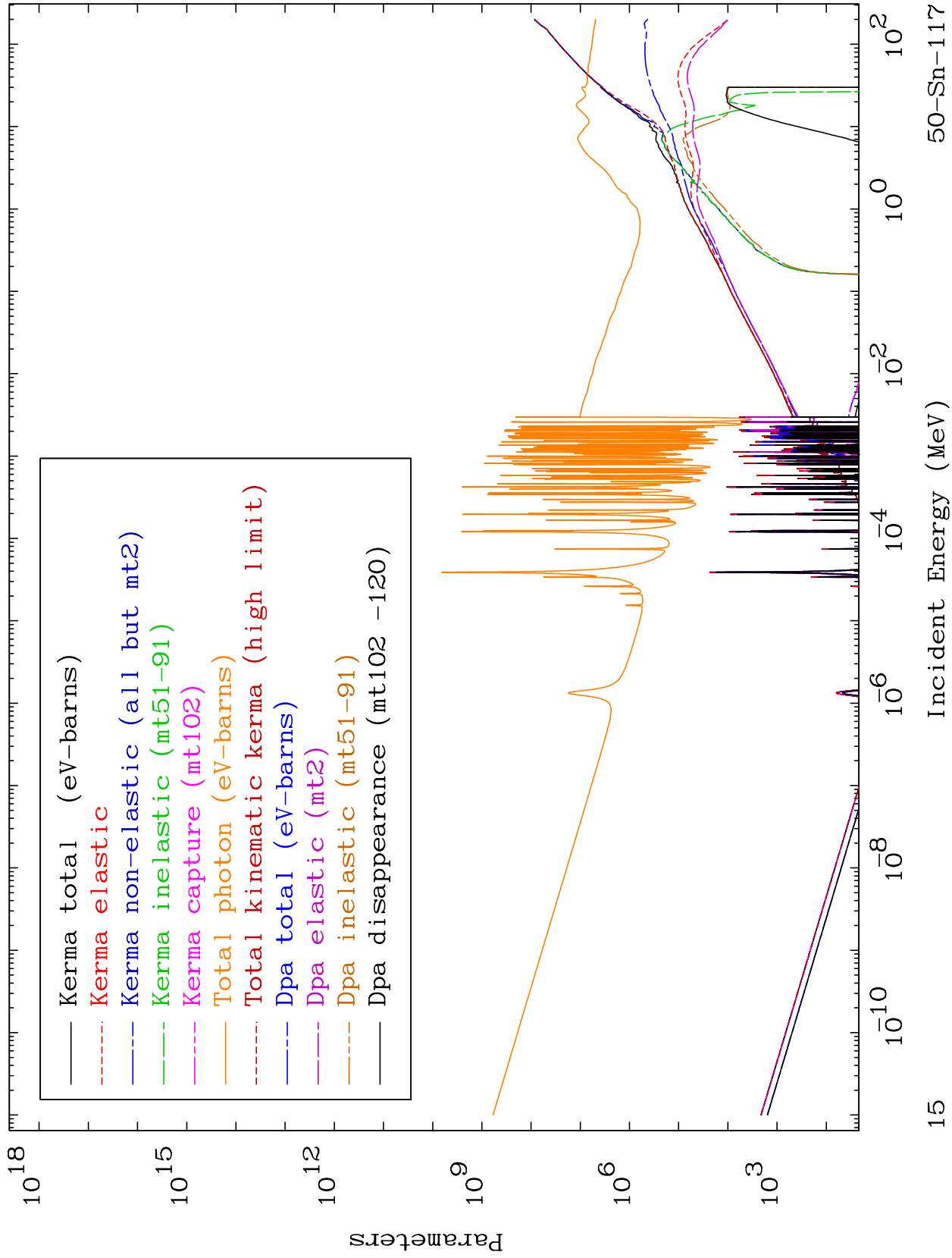
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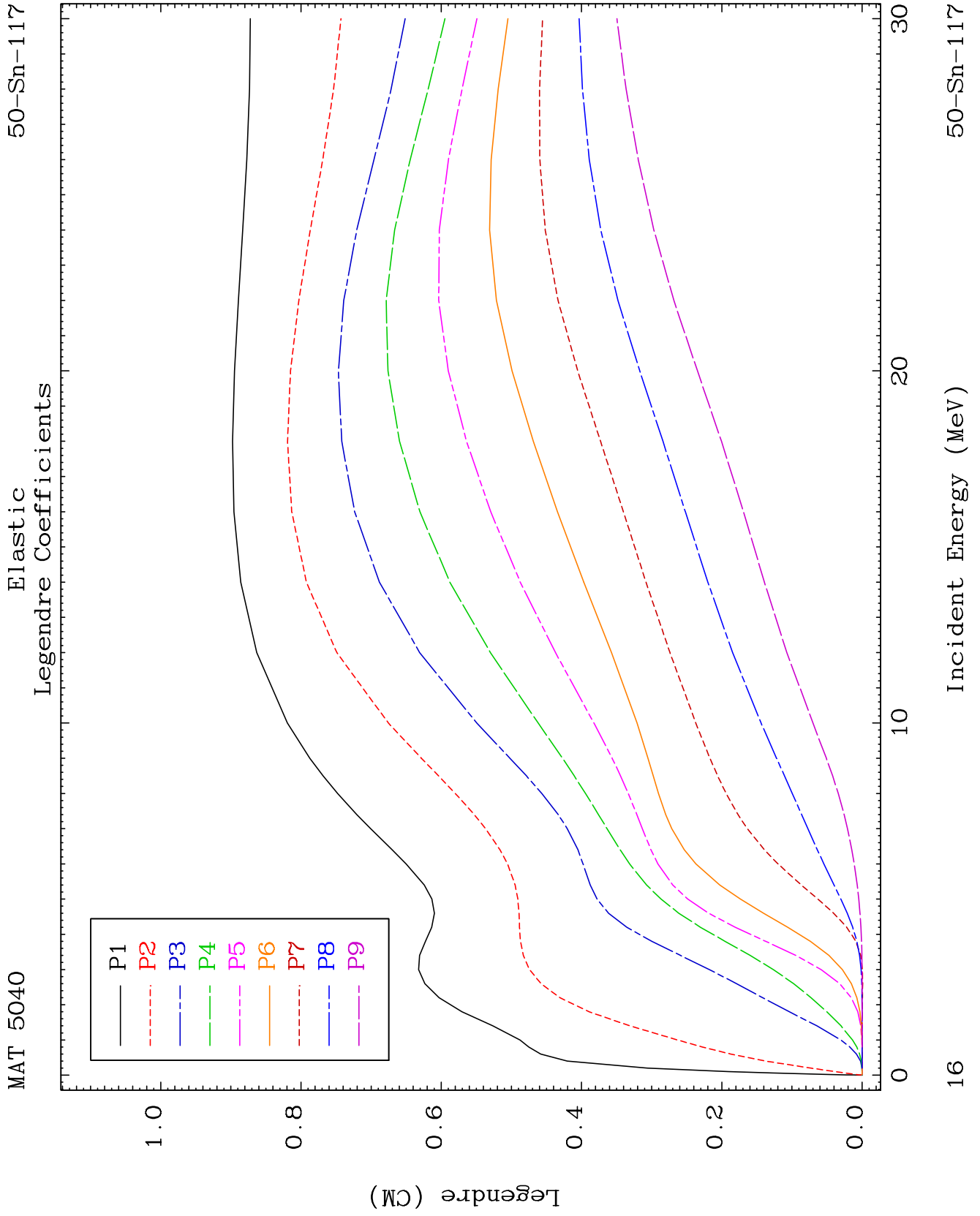
MAT 5040

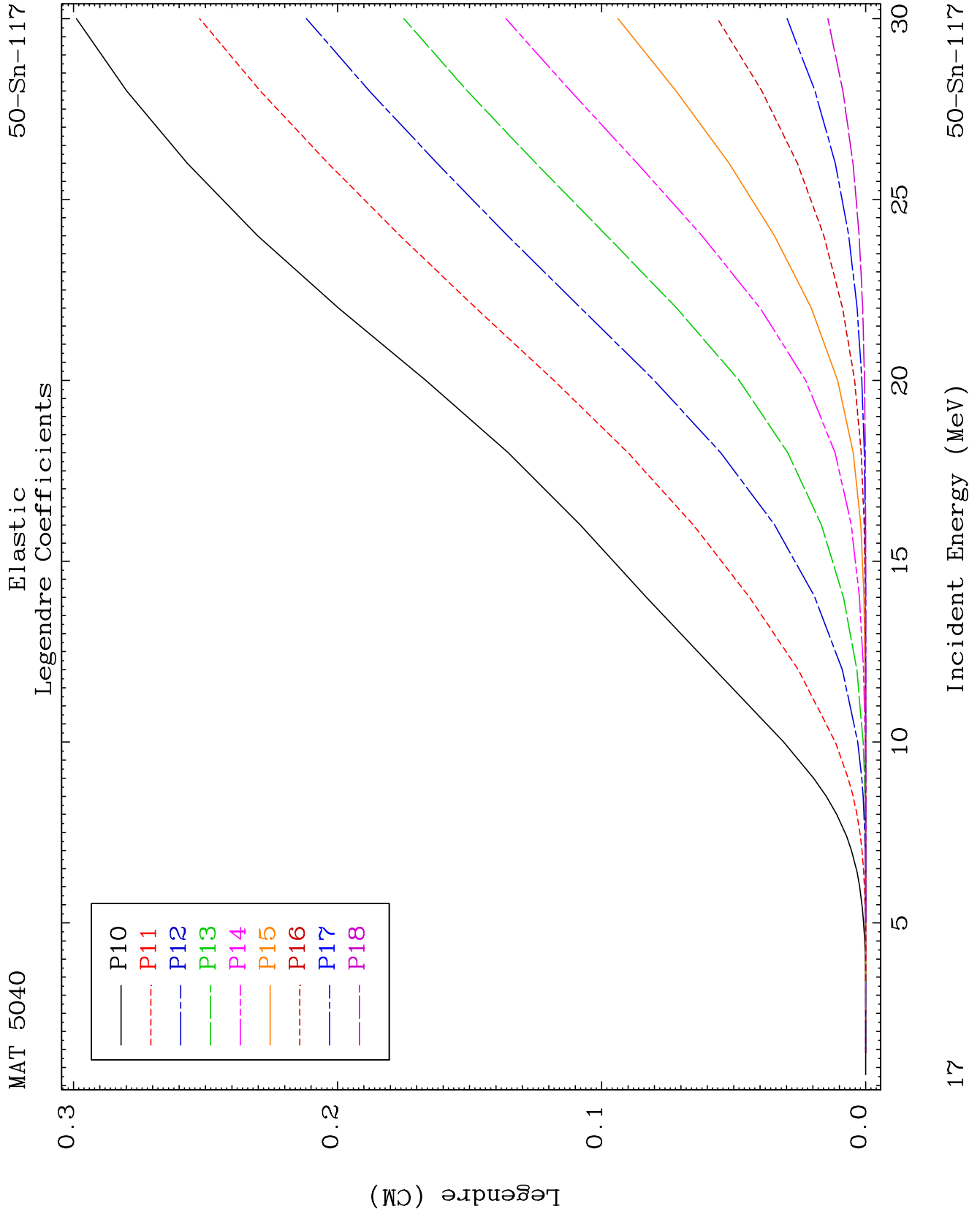
(n,α) Levels
293 Kelvin Cross Sections

50-Sn-117





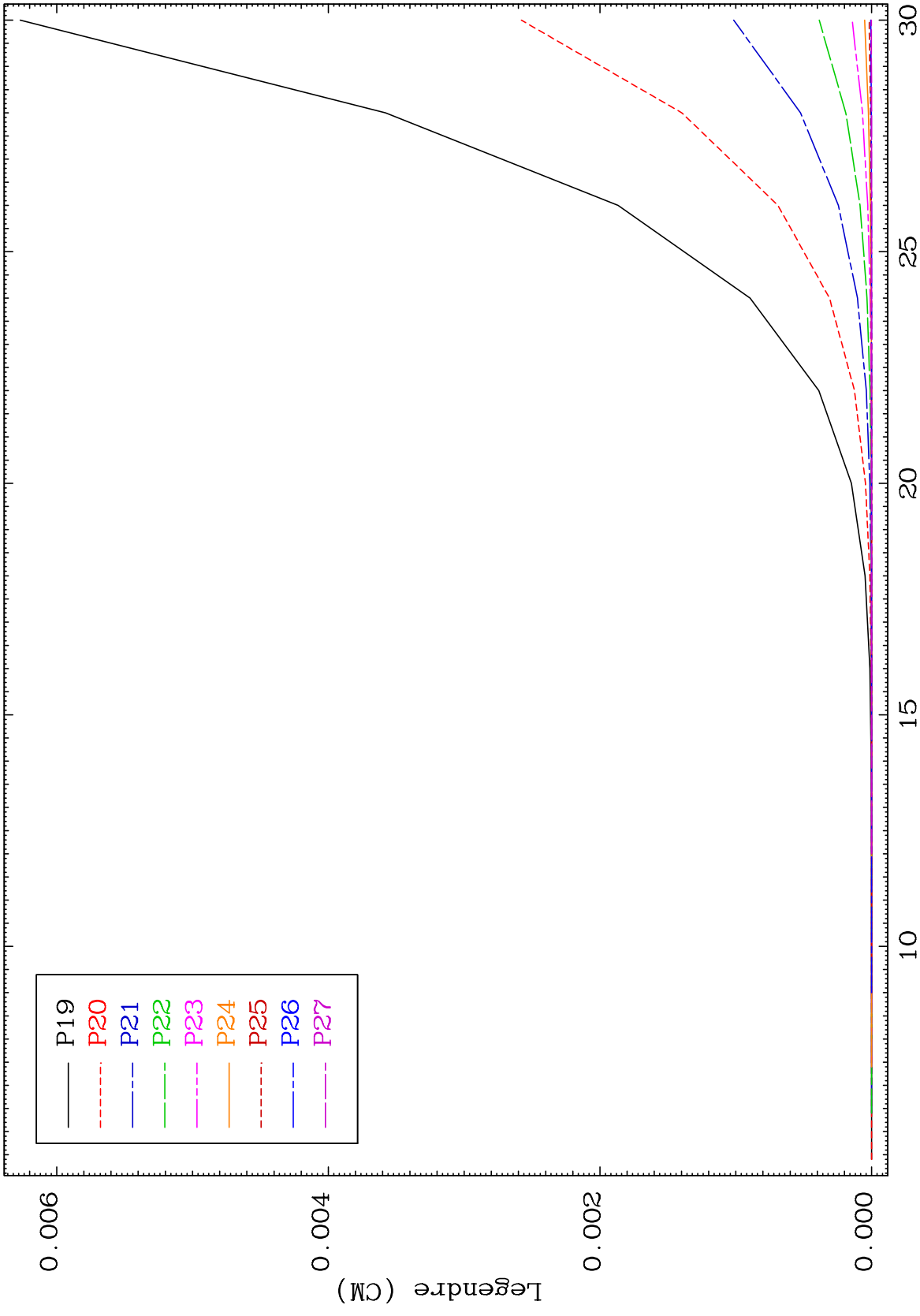




MAT 5040

Elastic Legendre Coefficients

50-Sn-117



18

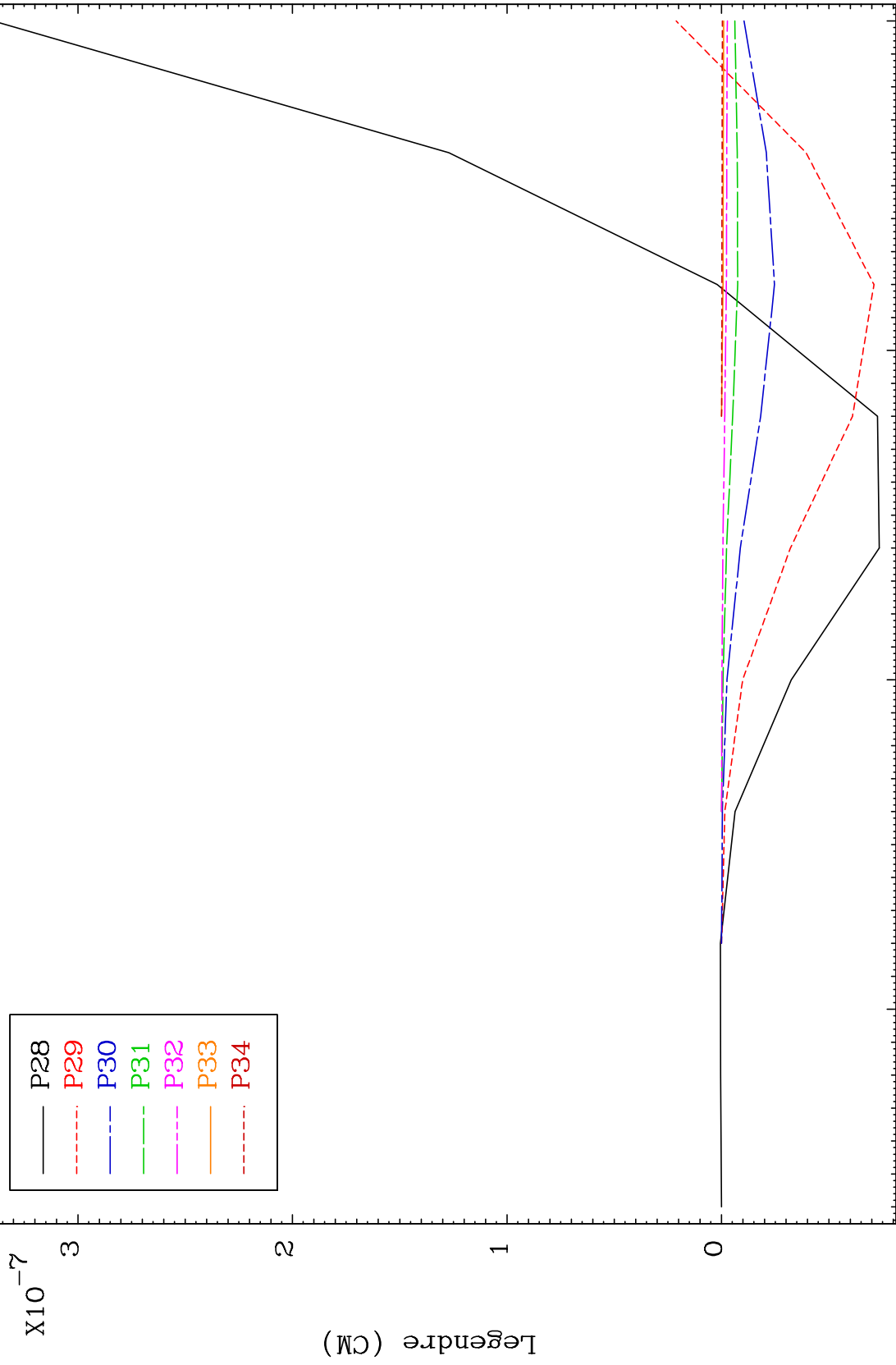
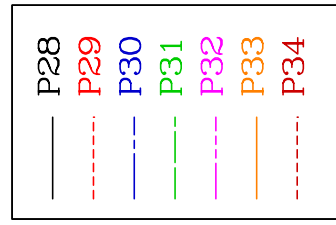
Incident Energy (MeV)

50-Sn-117

MAT 5040

Elastic Legendre Coefficients

50-Sn-117

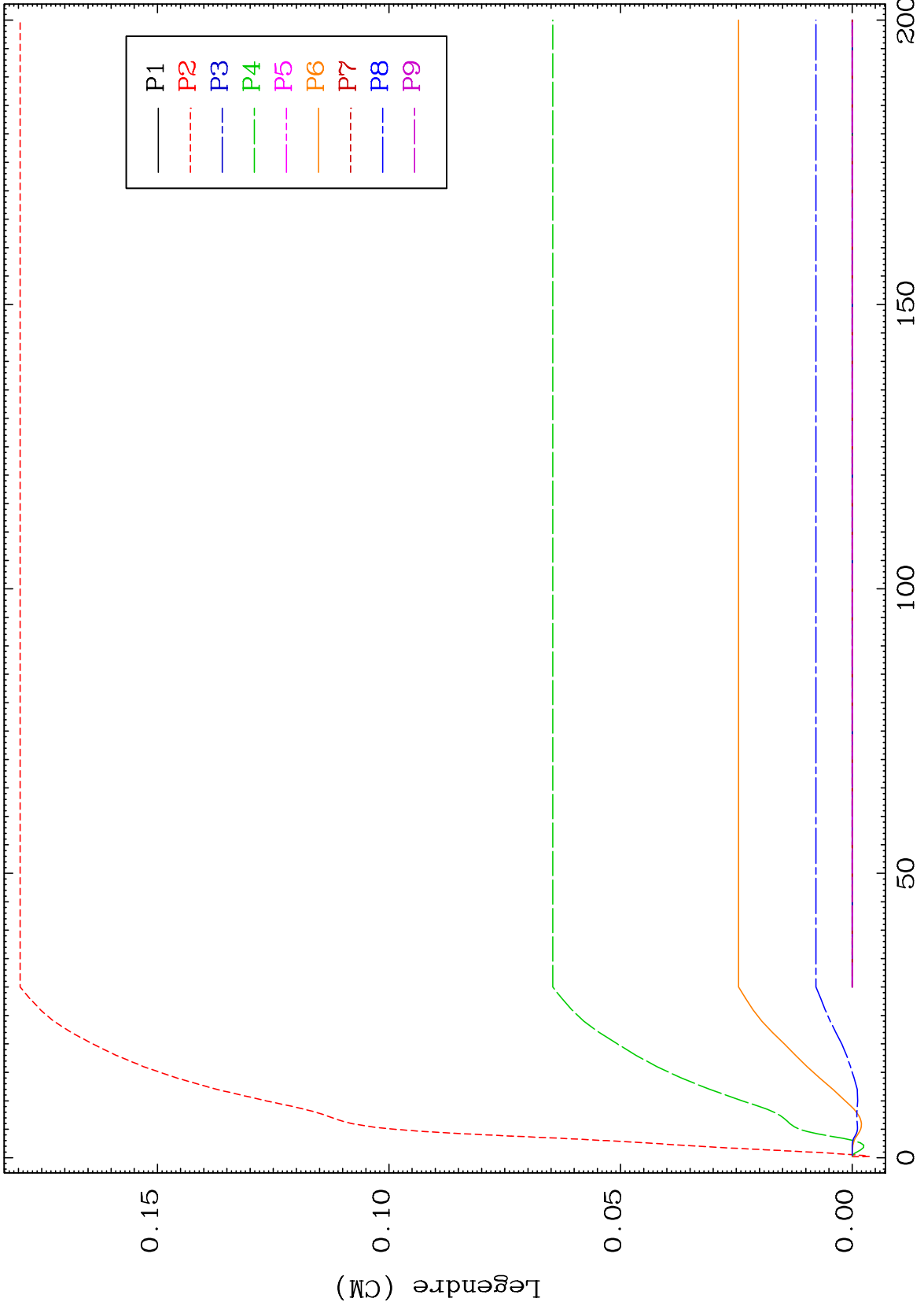


19

Incident Energy (MeV)

50-Sn-117

MAT 5040 MT= 51 (n,n') Level Legendre Coefficients 50-Sn-117

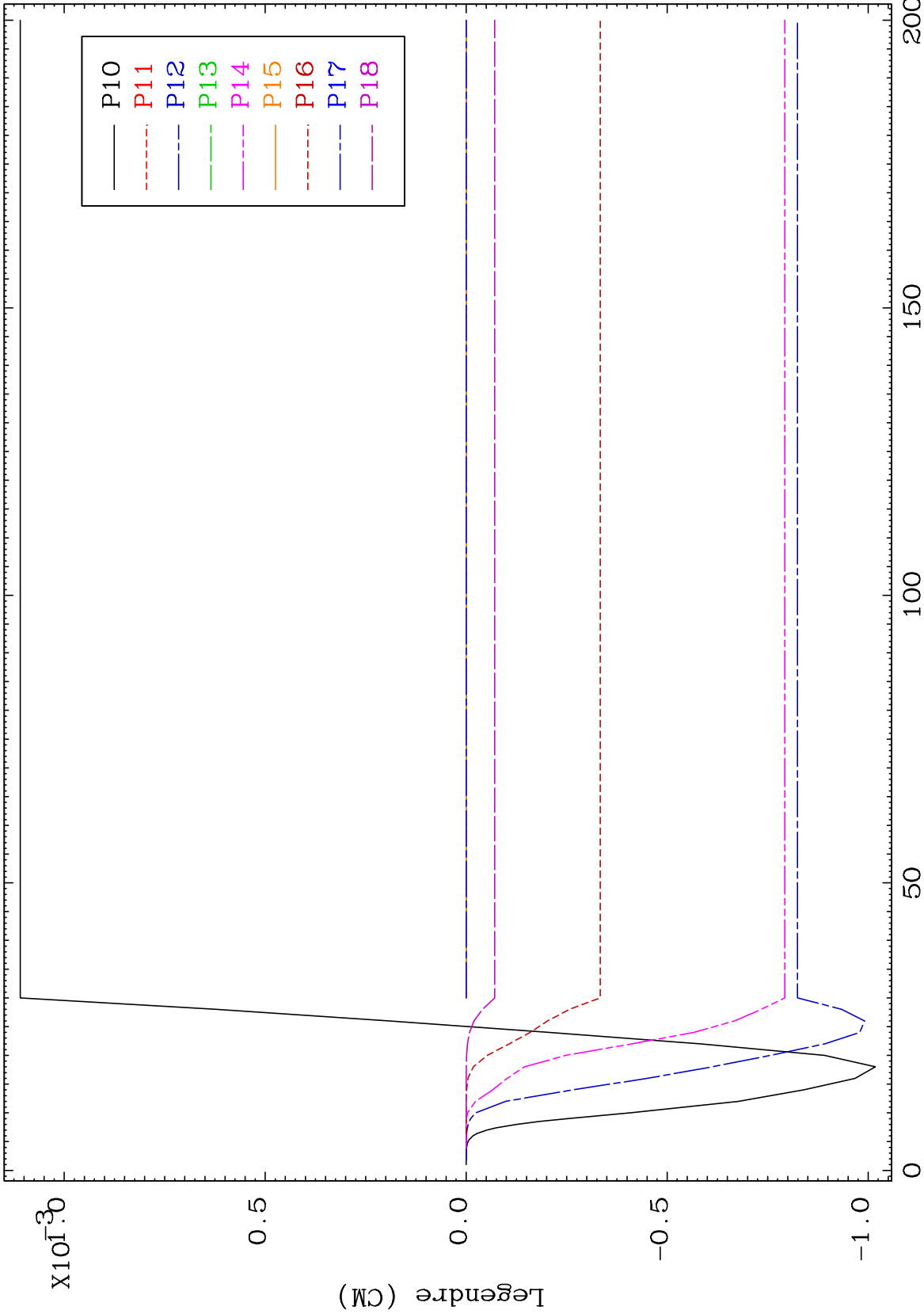


Legendre (CM) Incident Energy (MeV) 50-Sn-117

MAT 5040

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

50-Sn-117

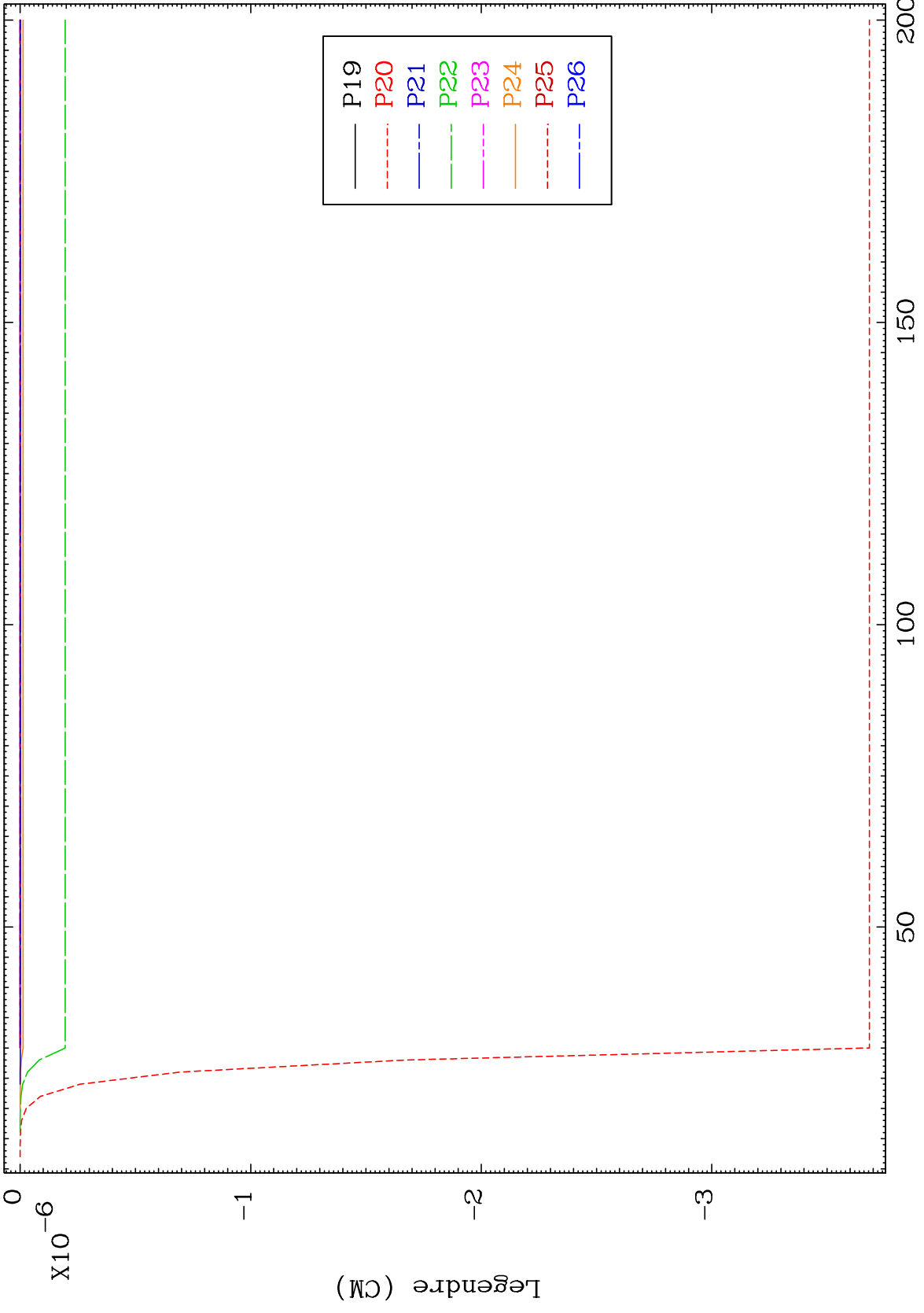


21

Incident Energy (MeV)

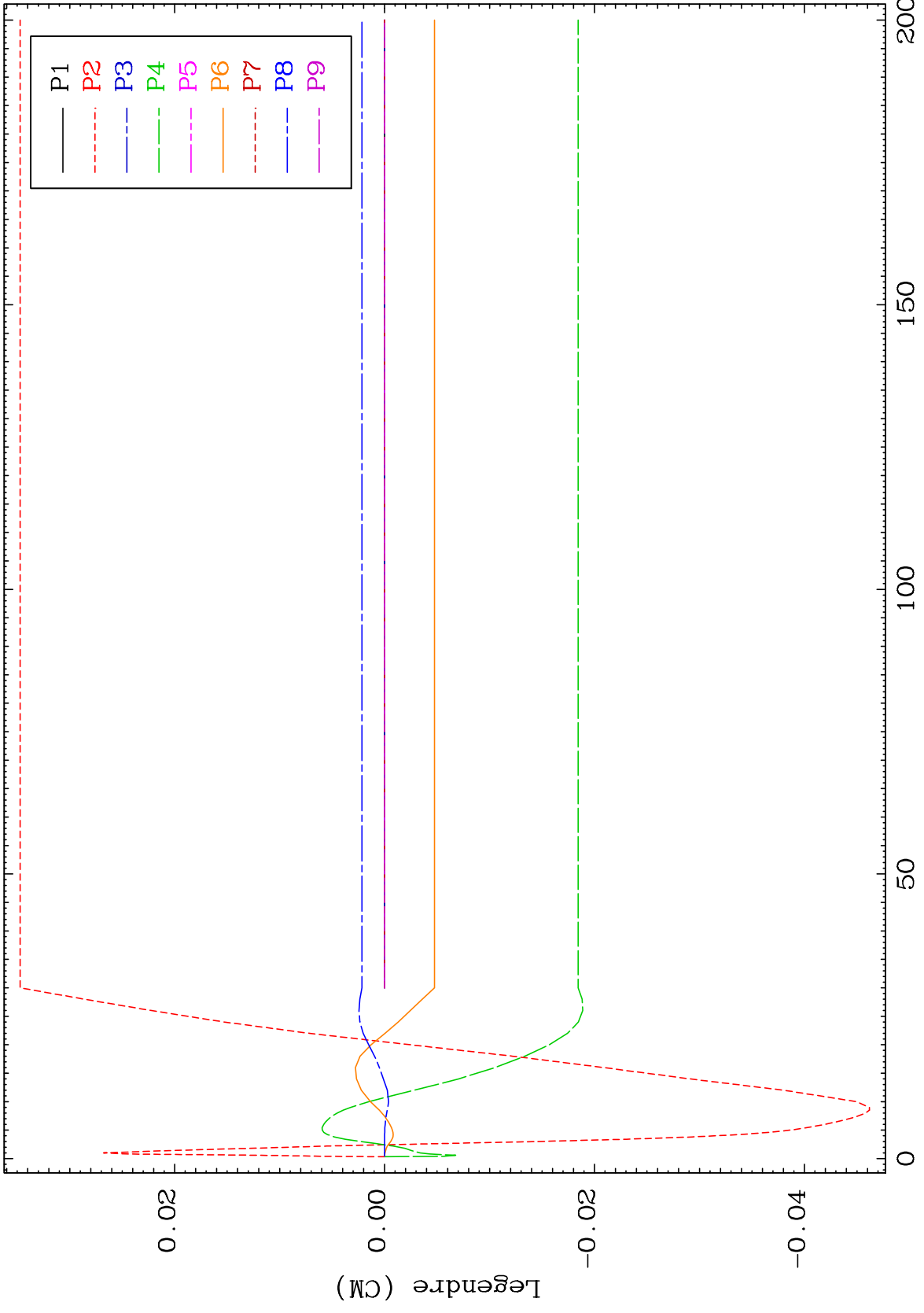
50-Sn-117

MAT 5040 MT= 51 (n,n') Level Legendre Coefficients 50-Sn-117



22 50-Sn-117

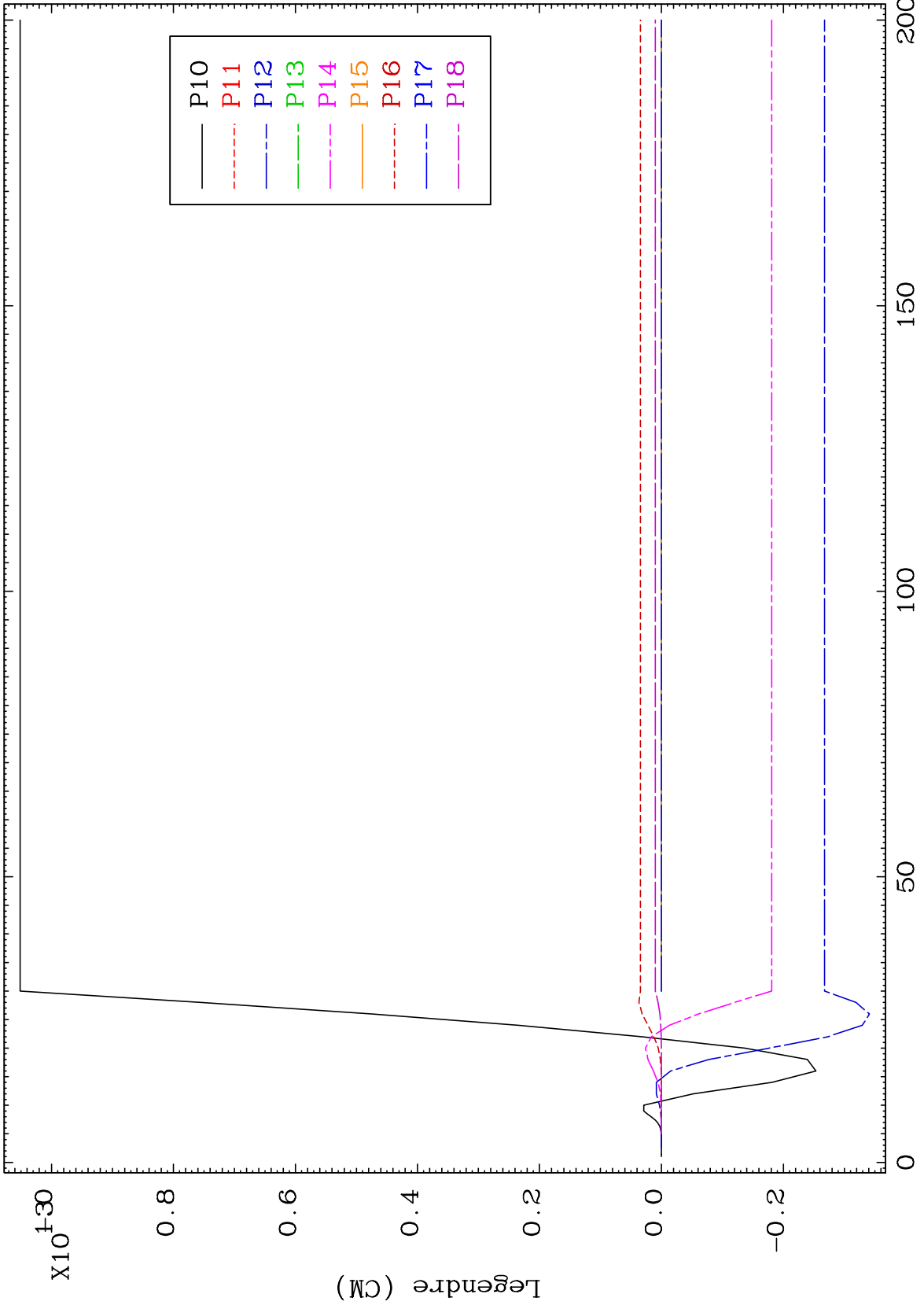
MAT 5040 MT= 52 (n,n') Level Legendre Coefficients 50-Sn-117



MAT 5040

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

50-Sn-117

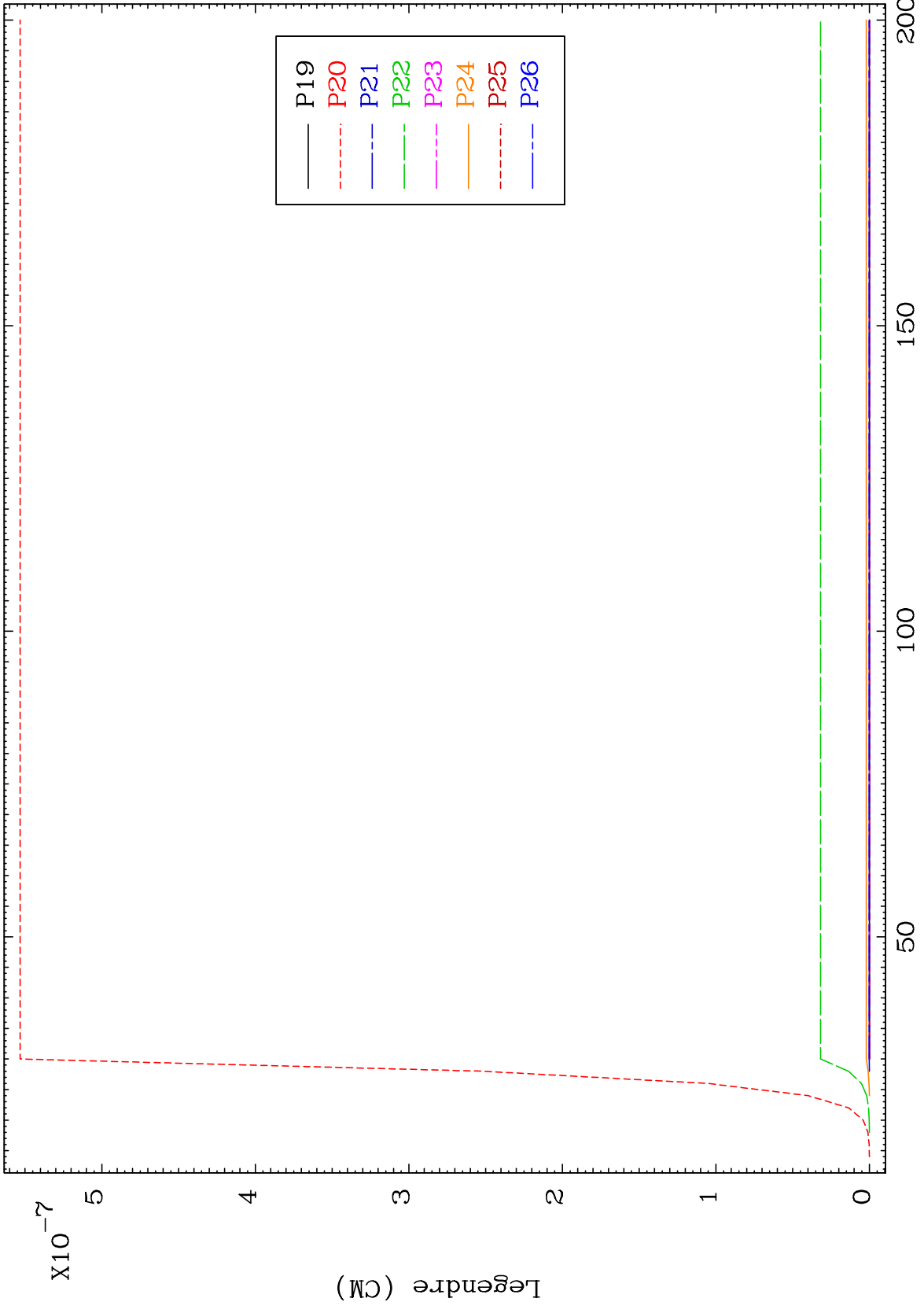


24

Incident Energy (MeV)

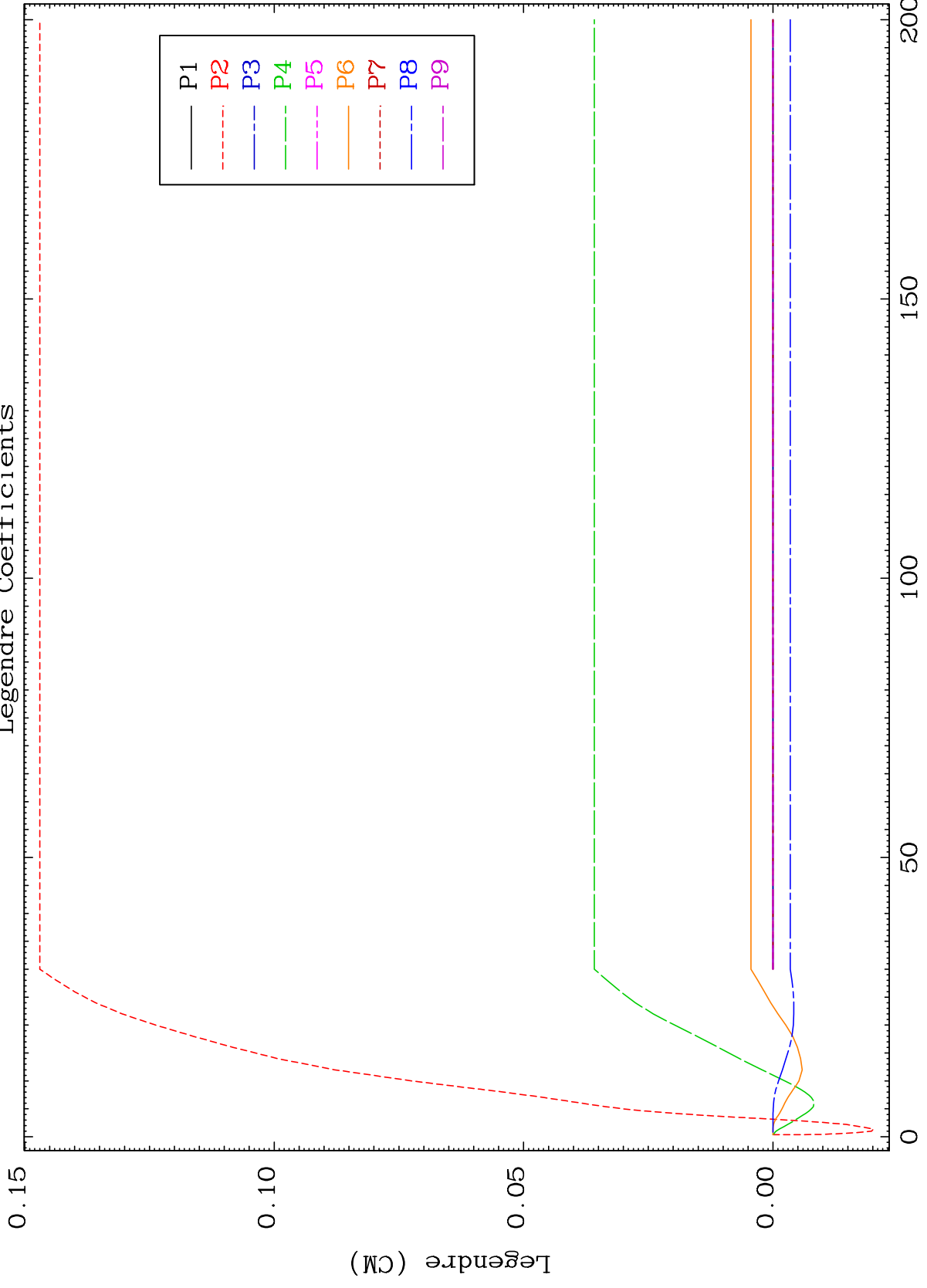
50-Sn-117

MAT 5040 MT= 52 (n,n') Level Legendre Coefficients 50-Sn-117



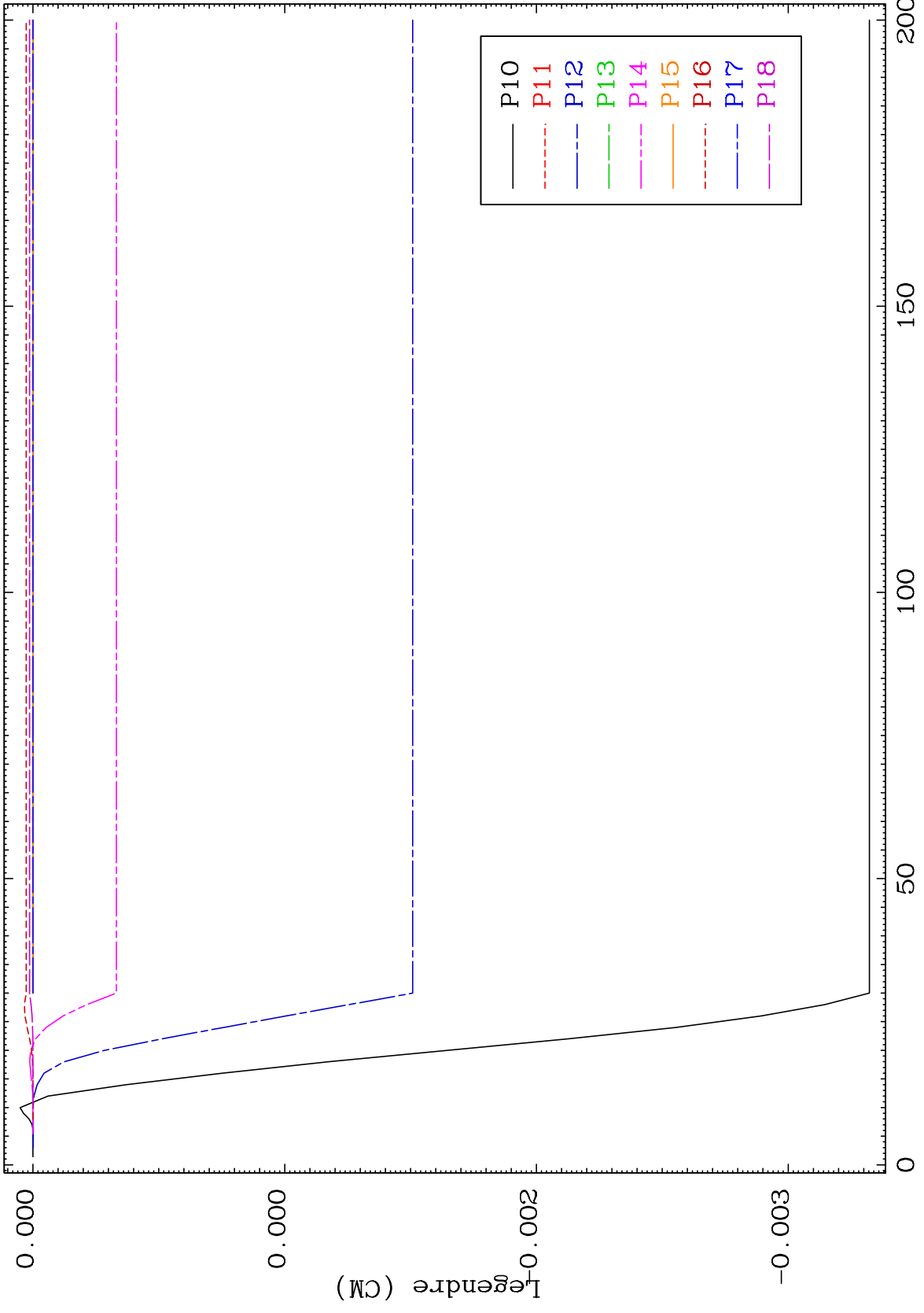
25 50 100 150 200 50-Sn-117

MAT 5040 MT= 53 (n, n') Level Legendre Coefficients 50-Sn-117

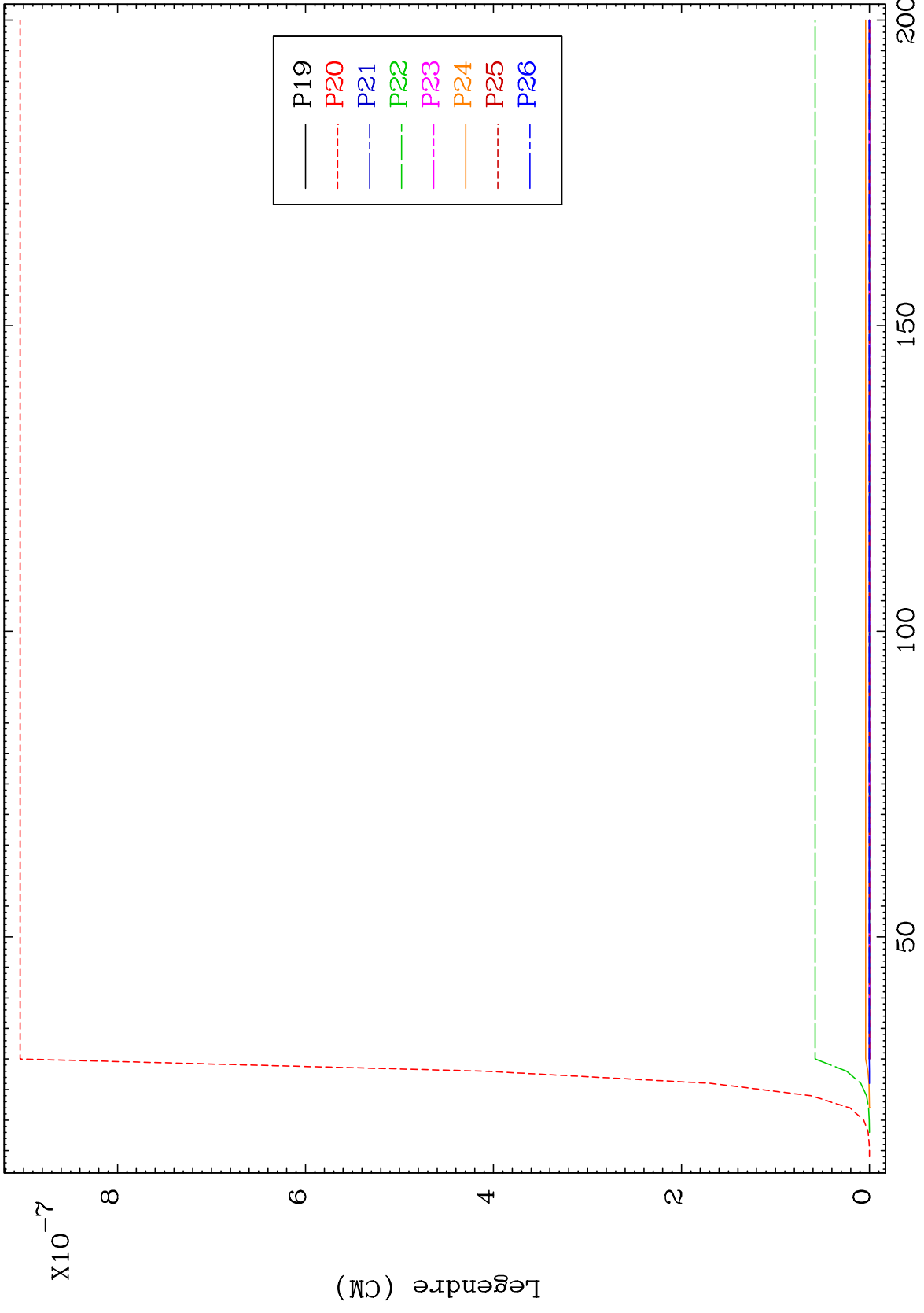


26 50-Sn-117

MAT 5040 MT= 53 (n,n') Level Legendre Coefficients 50-Sn-117

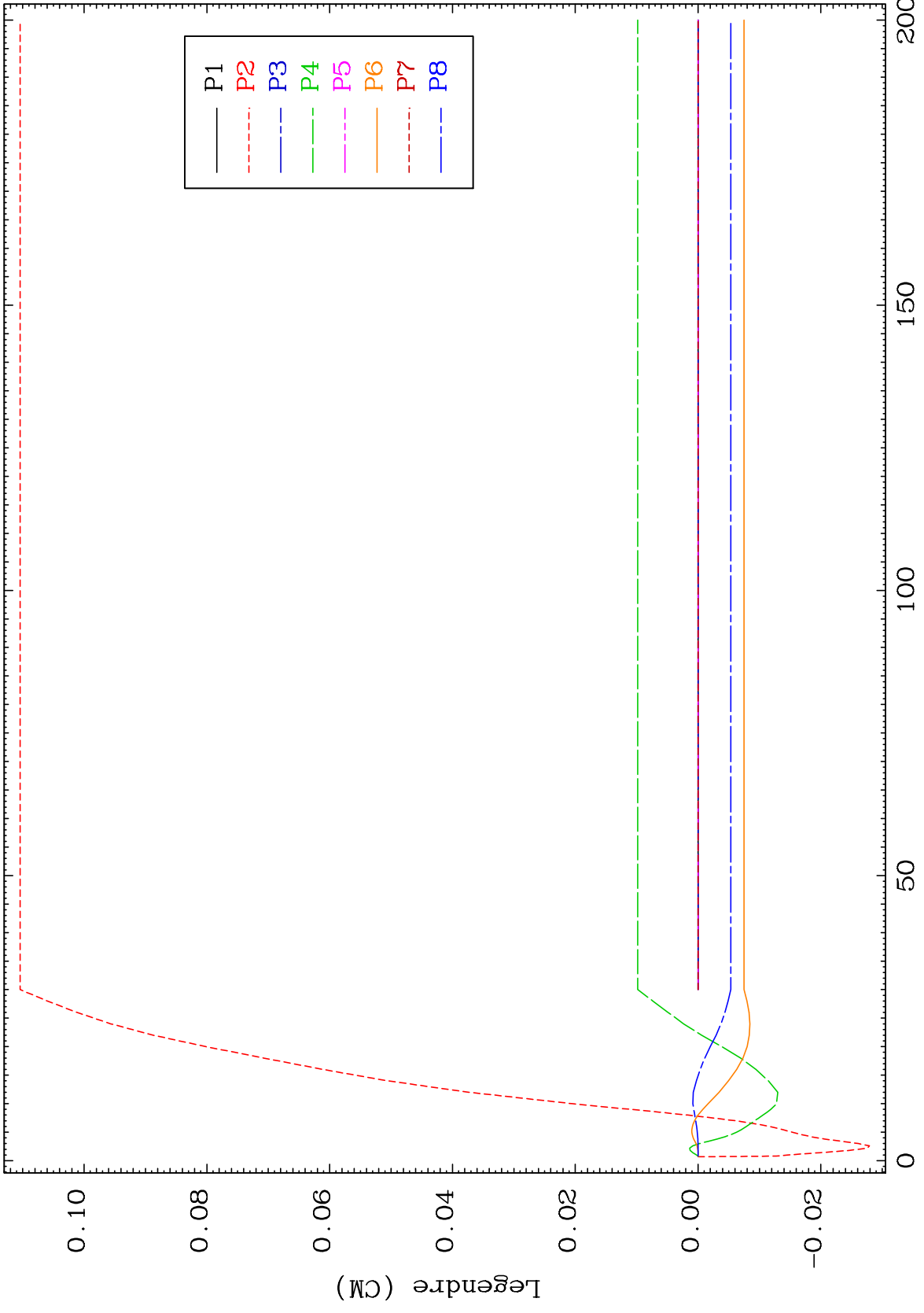


MAT 5040 MT= 53 (n,n') Level Legendre Coefficients 50-Sn-117



28 50-Sn-117

MAT 5040 MT= 54 (n,n') Level Legendre Coefficients 50-Sn-117

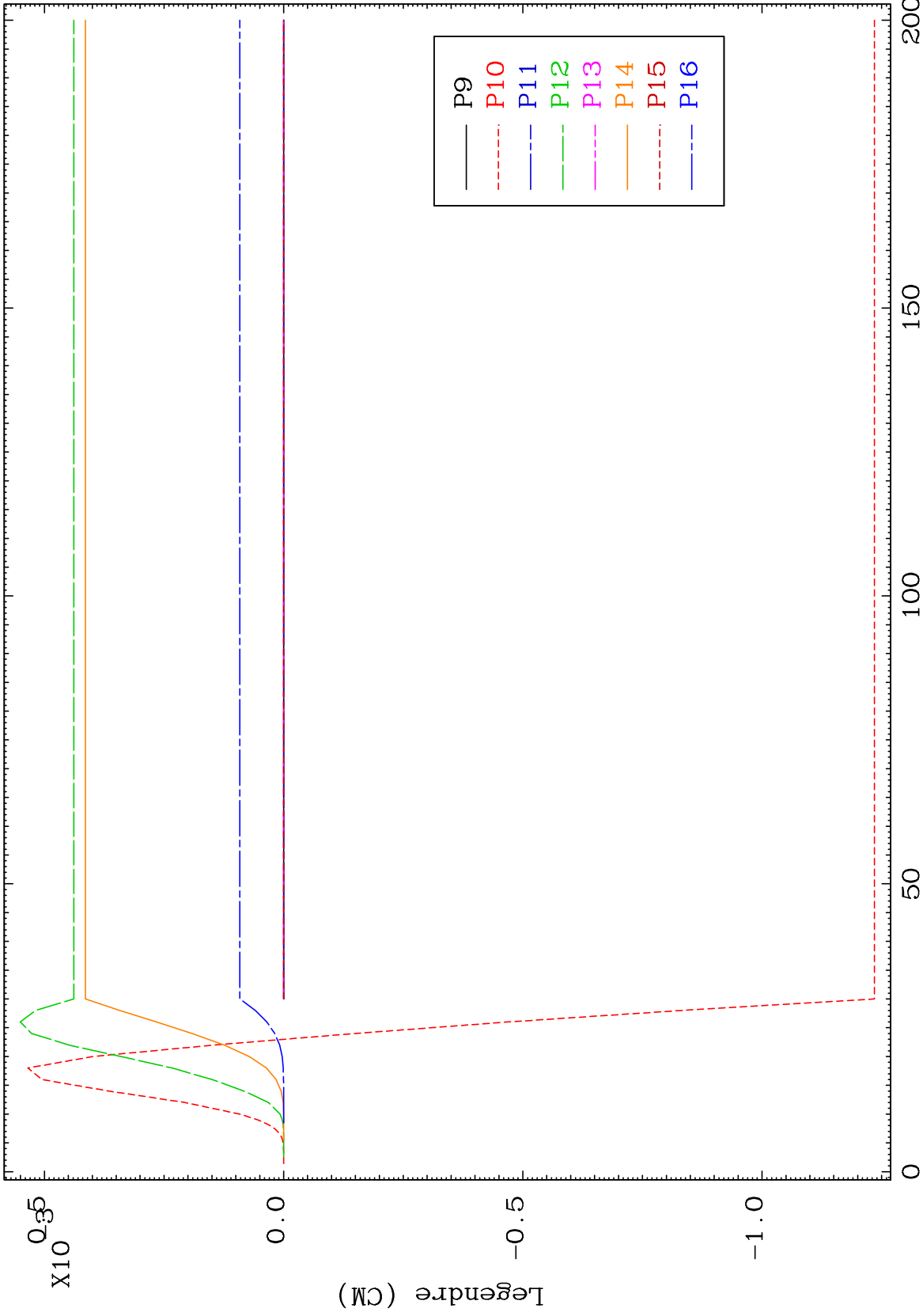


29 50-Sn-117

MAT 5040

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

50-Sn-117



30

Incident Energy (MeV)

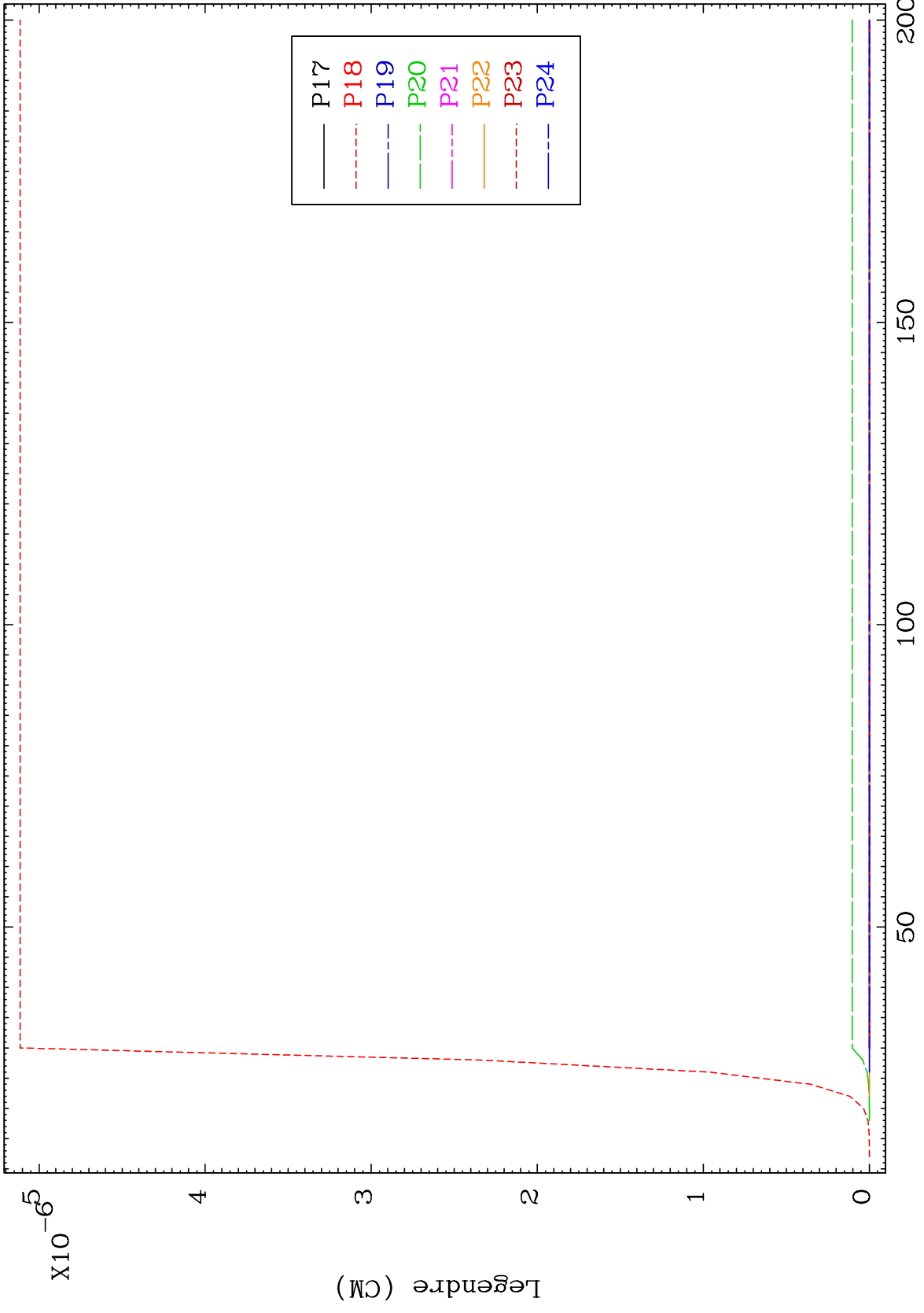
150

50-Sn-117

MAT 5040

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

50-Sn-117

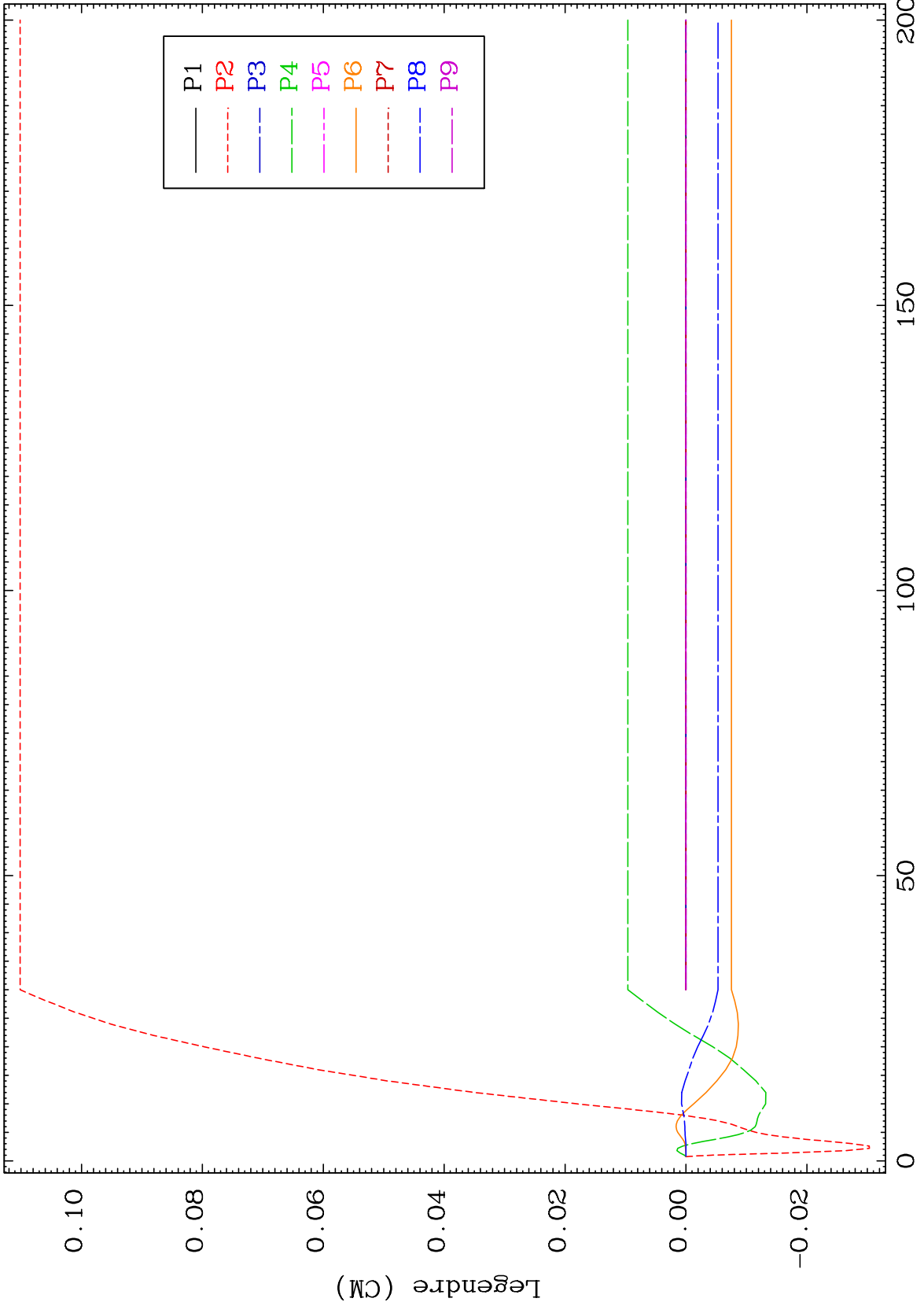


50-Sn-117

Incident Energy (MeV)

31

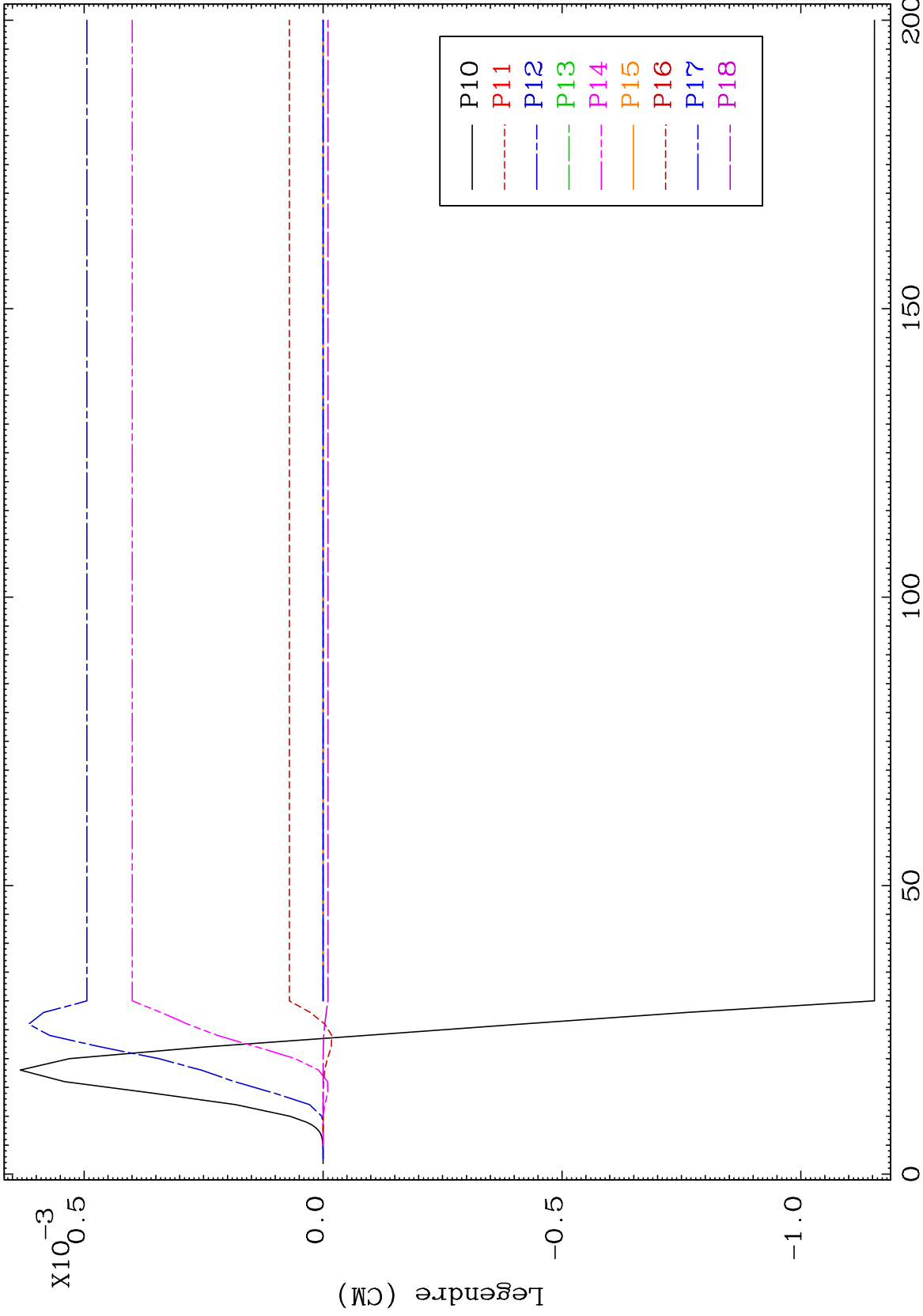
MAT 5040 MT= 55 (n,n') Level Legendre Coefficients 50-Sn-117



MAT 5040

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

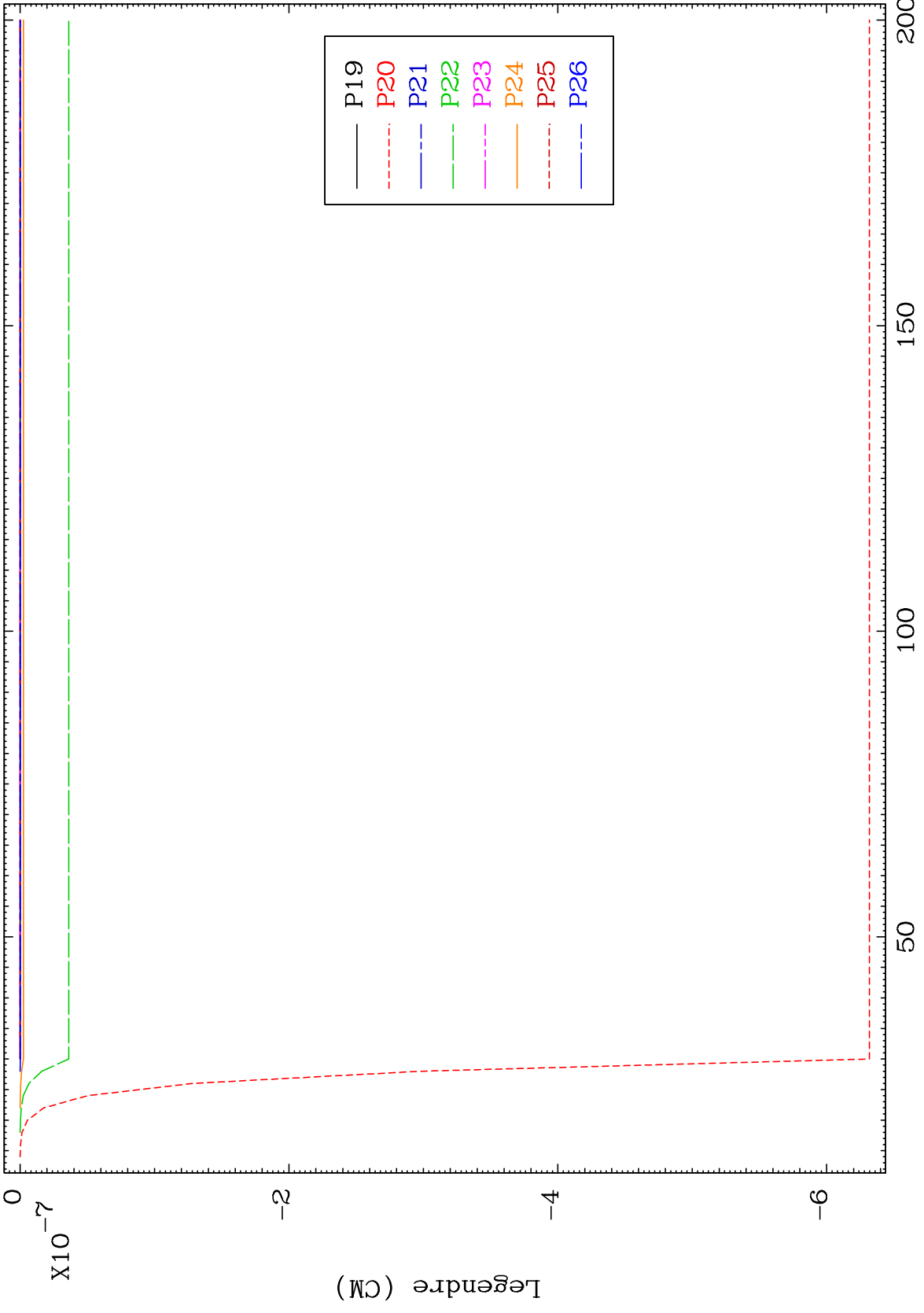
50-Sn-117



33

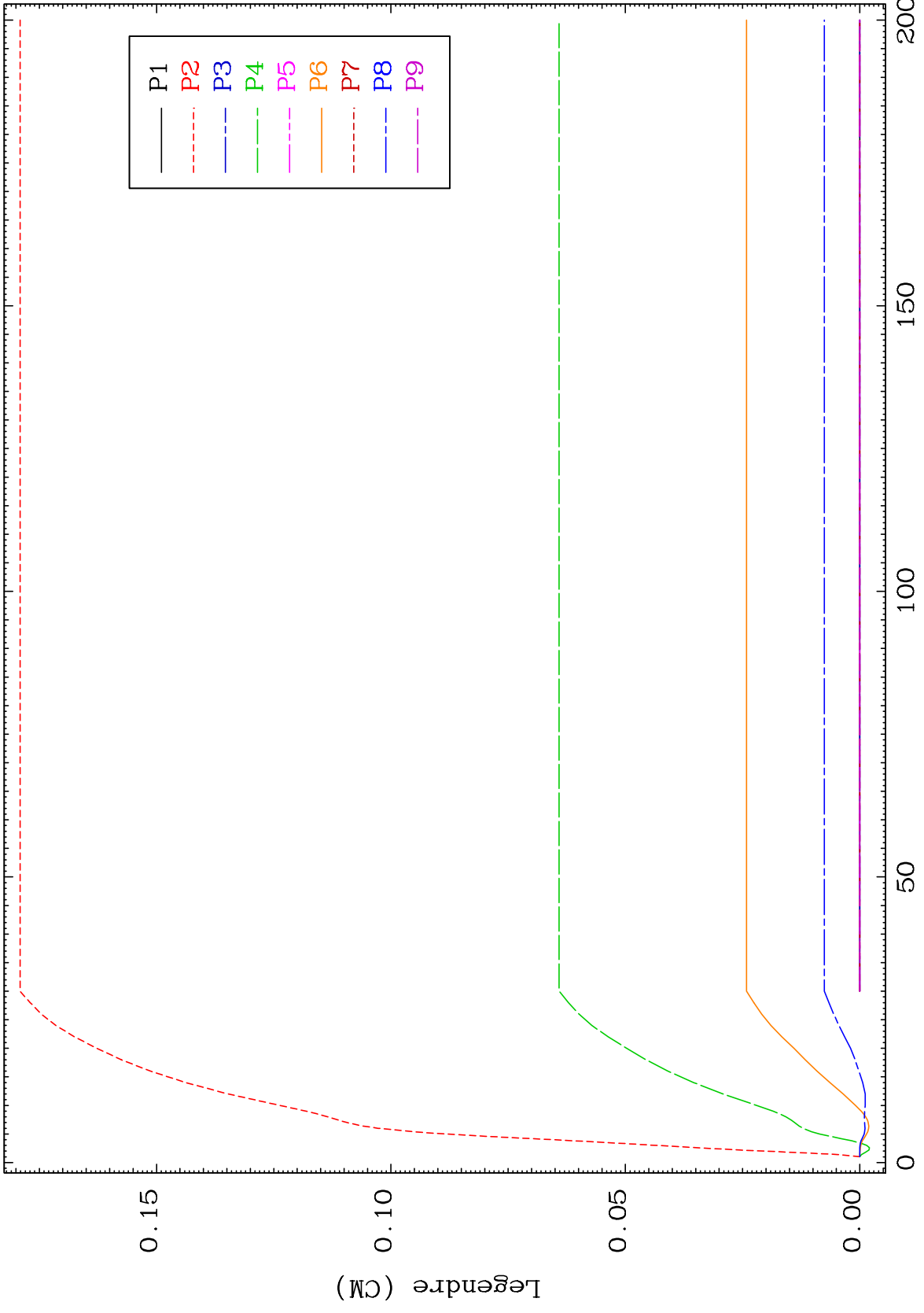
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MAT 5040 MT= 55 (n,n') Level Legendre Coefficients 50-Sn-117



34 50-Sn-117

MAT 5040 MT= 56 (n,n') Level Legendre Coefficients 50-Sn-117

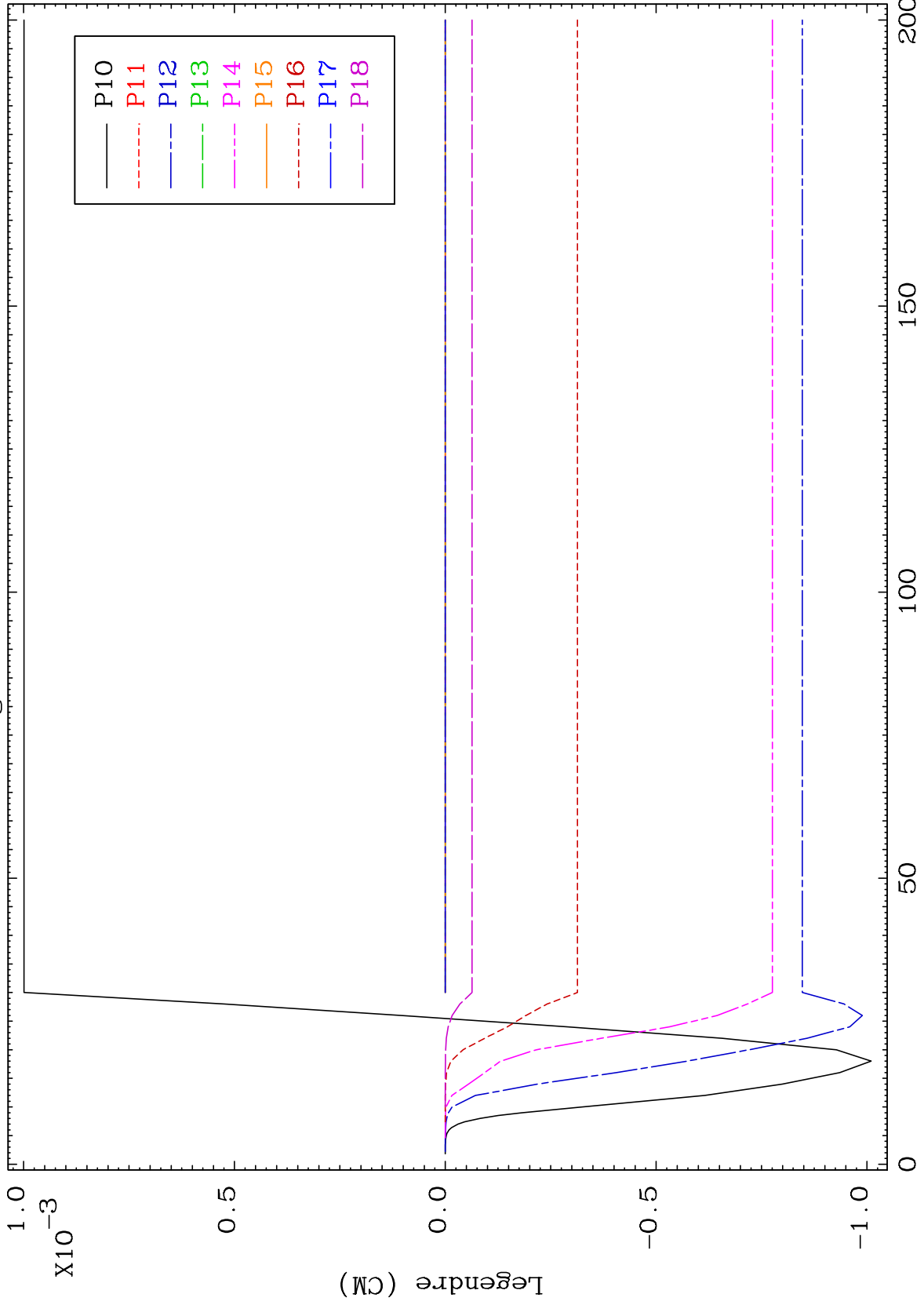


Legendre (CM) Incident Energy (MeV) 50-Sn-117

MAT 5040

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

50-Sn-117

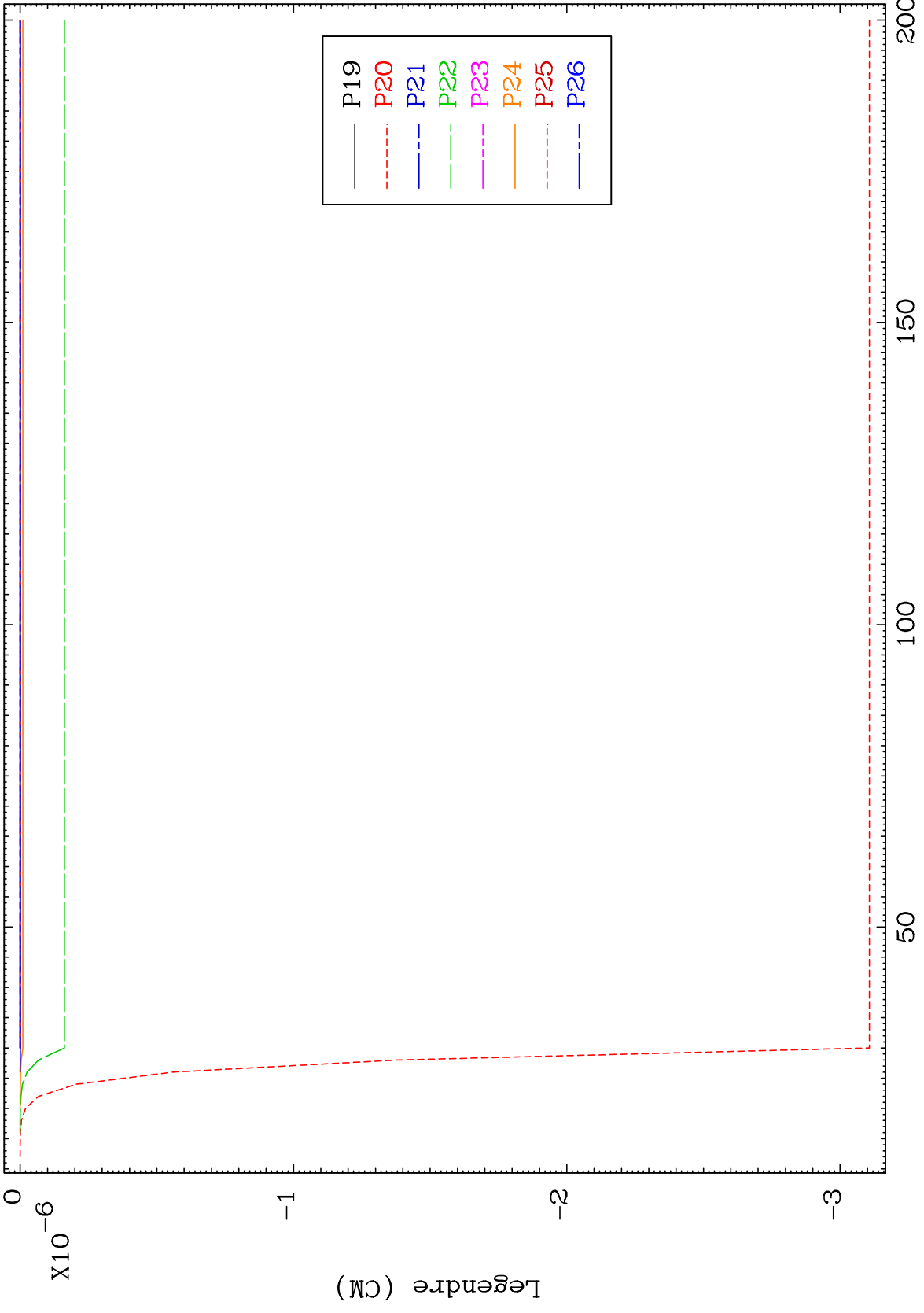


36

Incident Energy (MeV)

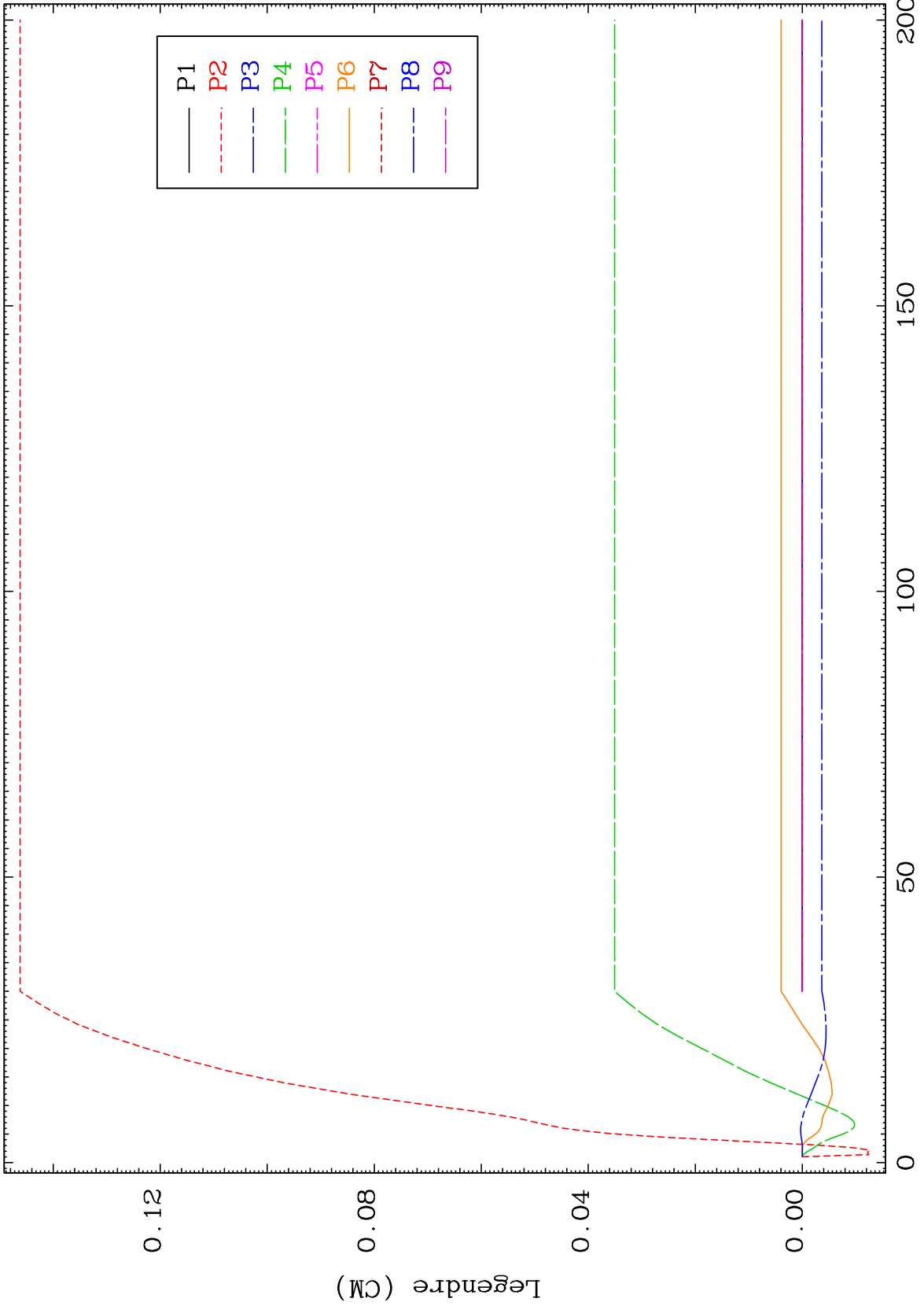
50-Sn-117

MAT 5040 MT= 56 (n,n') Level Legendre Coefficients 50-Sn-117



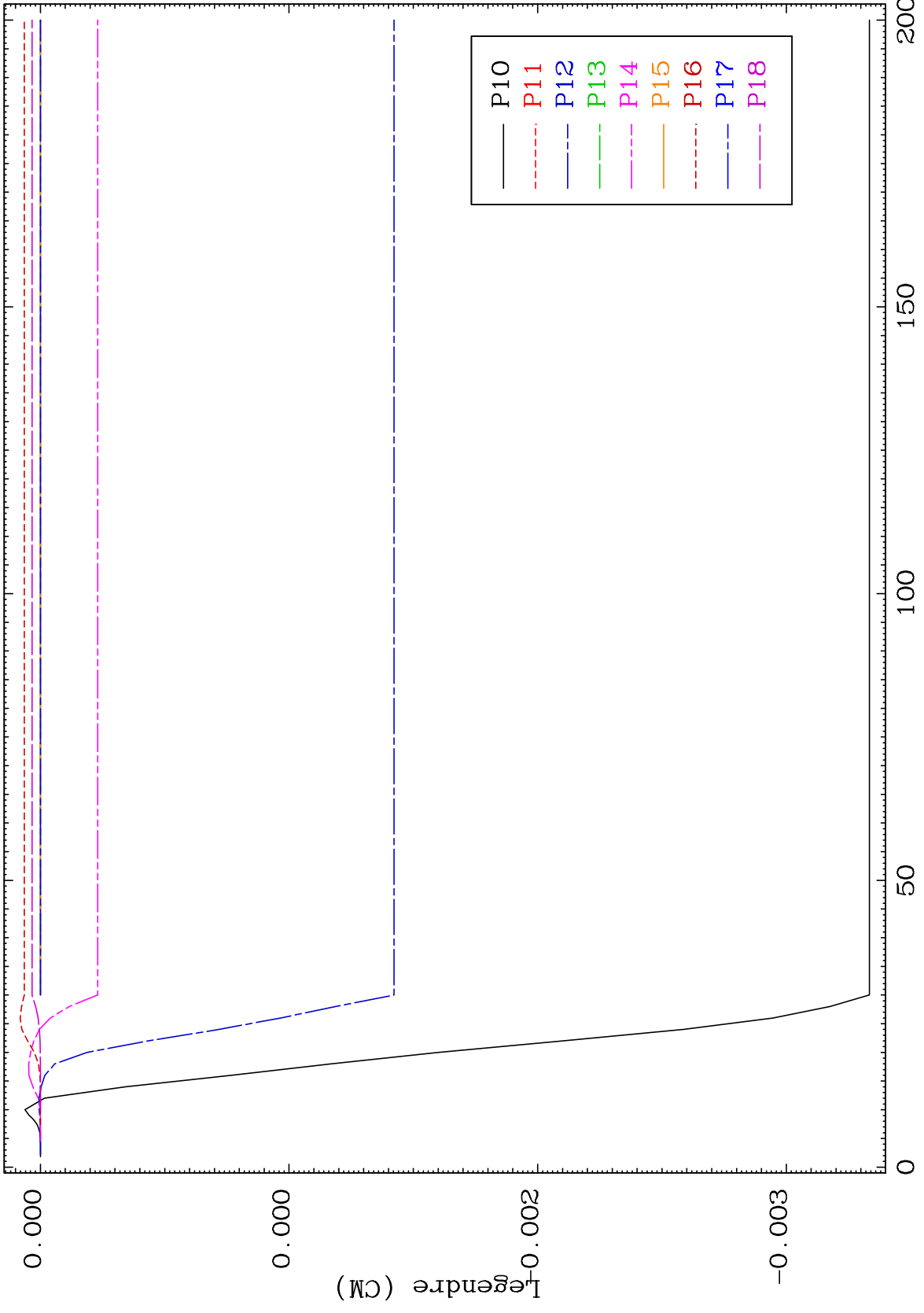
37 50-Sn-117

MAT 5040 MT= 57 (n,n') Level Legendre Coefficients 50-Sn-117



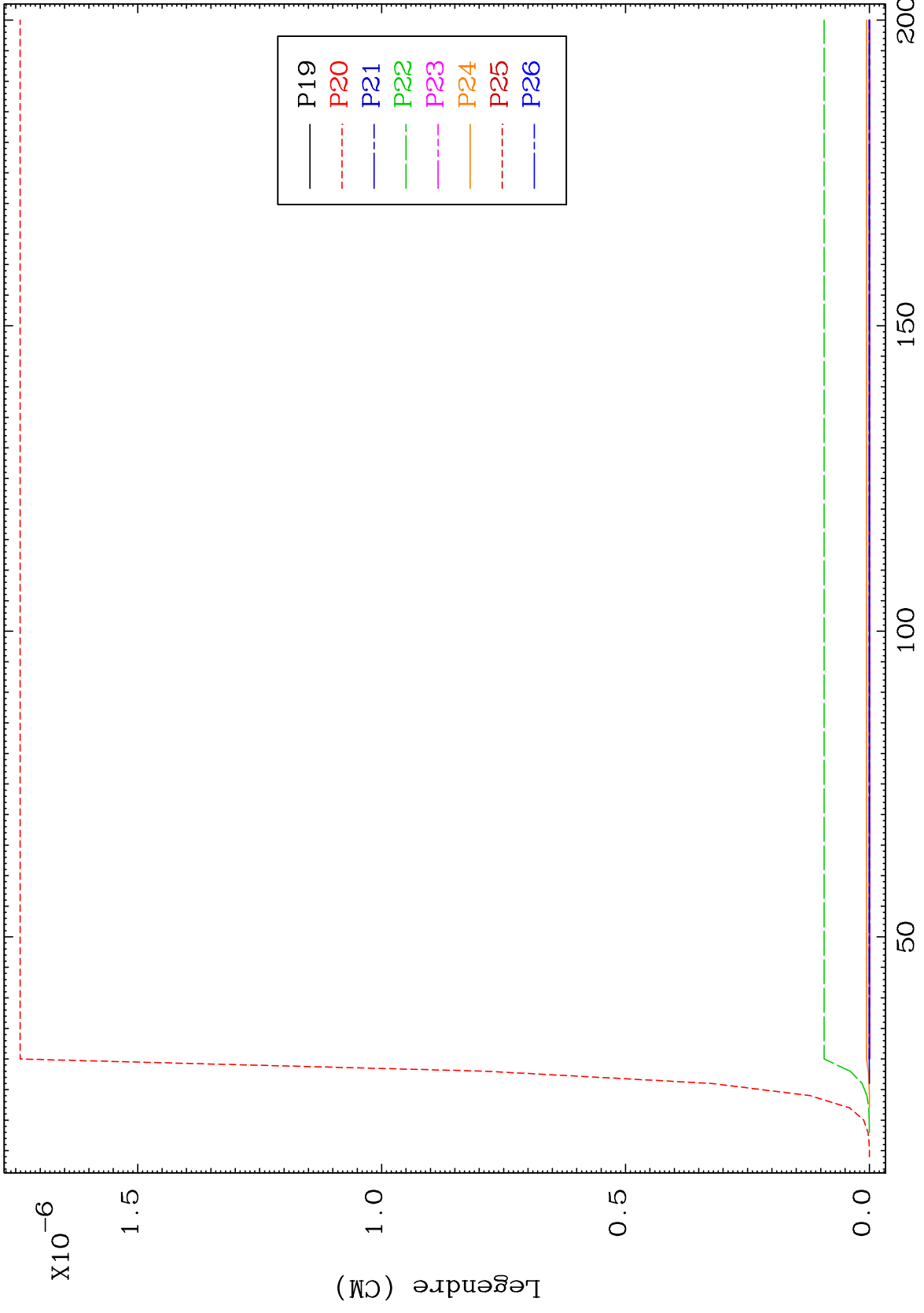
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MAT 5040 MT= 57 (n,n') Level Legendre Coefficients 50-Sn-117



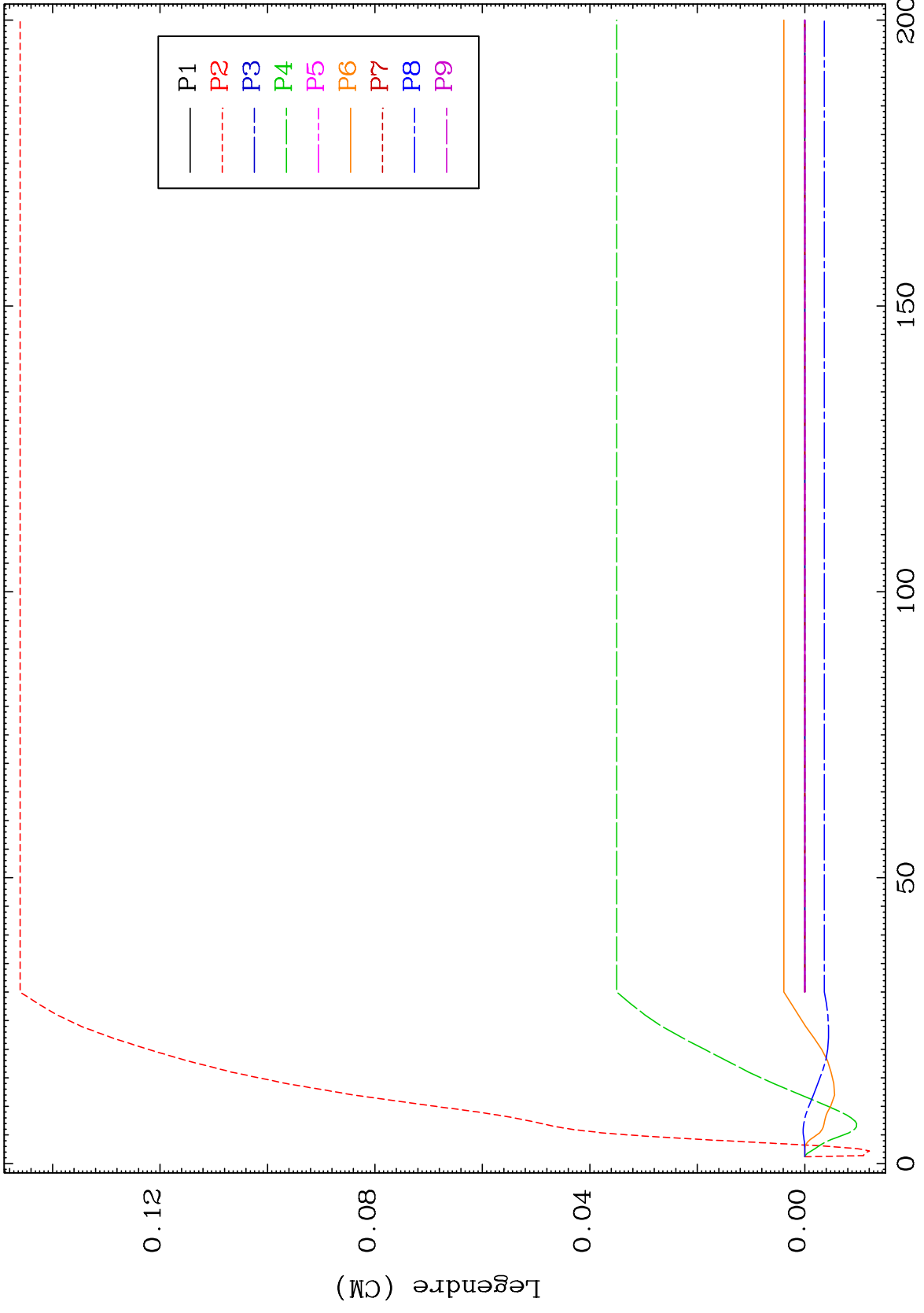
39 50-Sn-117

MAT 5040 MT= 57 (n,n') Level Legendre Coefficients 50-Sn-117



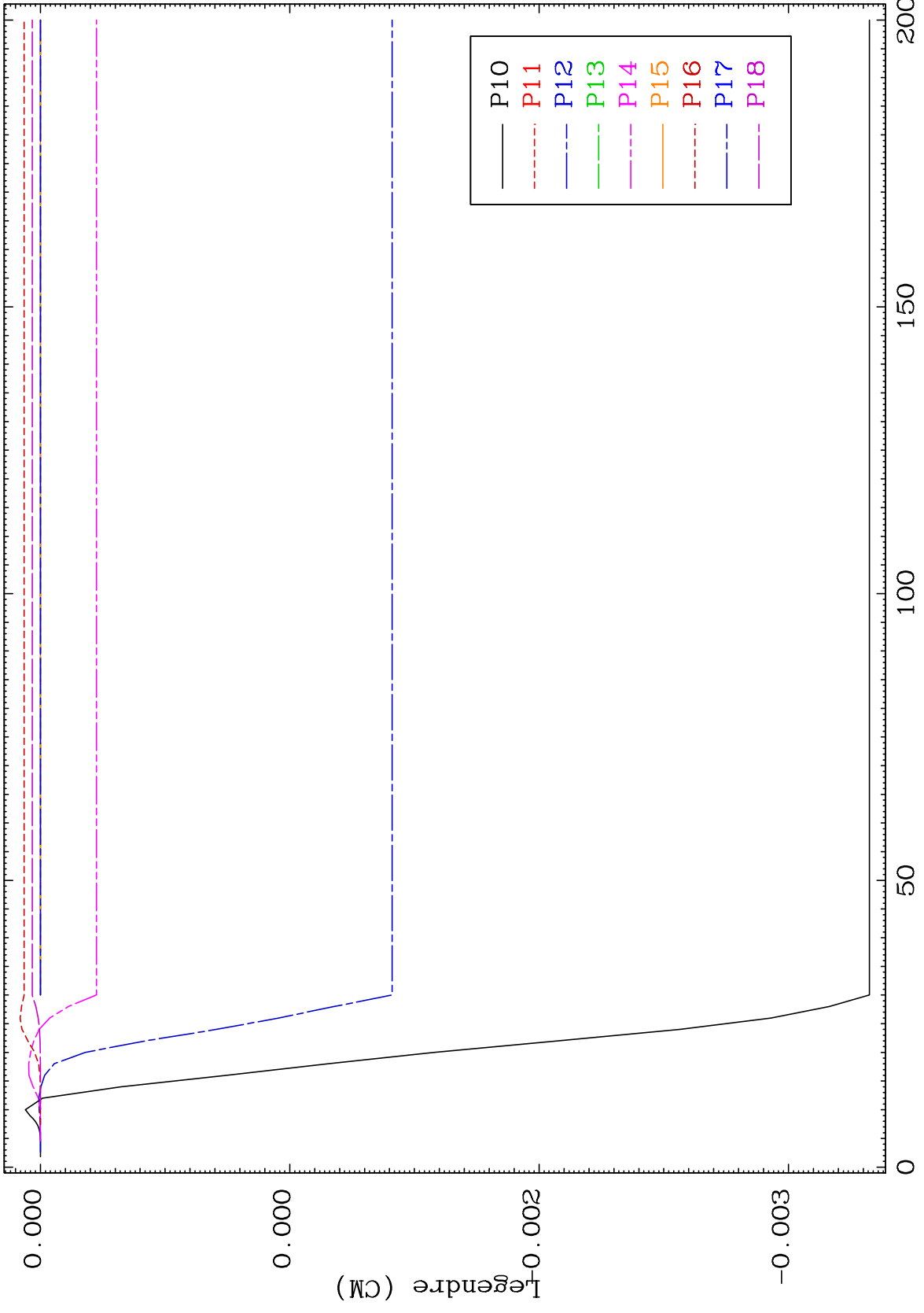
50-Sn-117

MAT 5040 MT= 58 (n,n') Level Legendre Coefficients 50-Sn-117



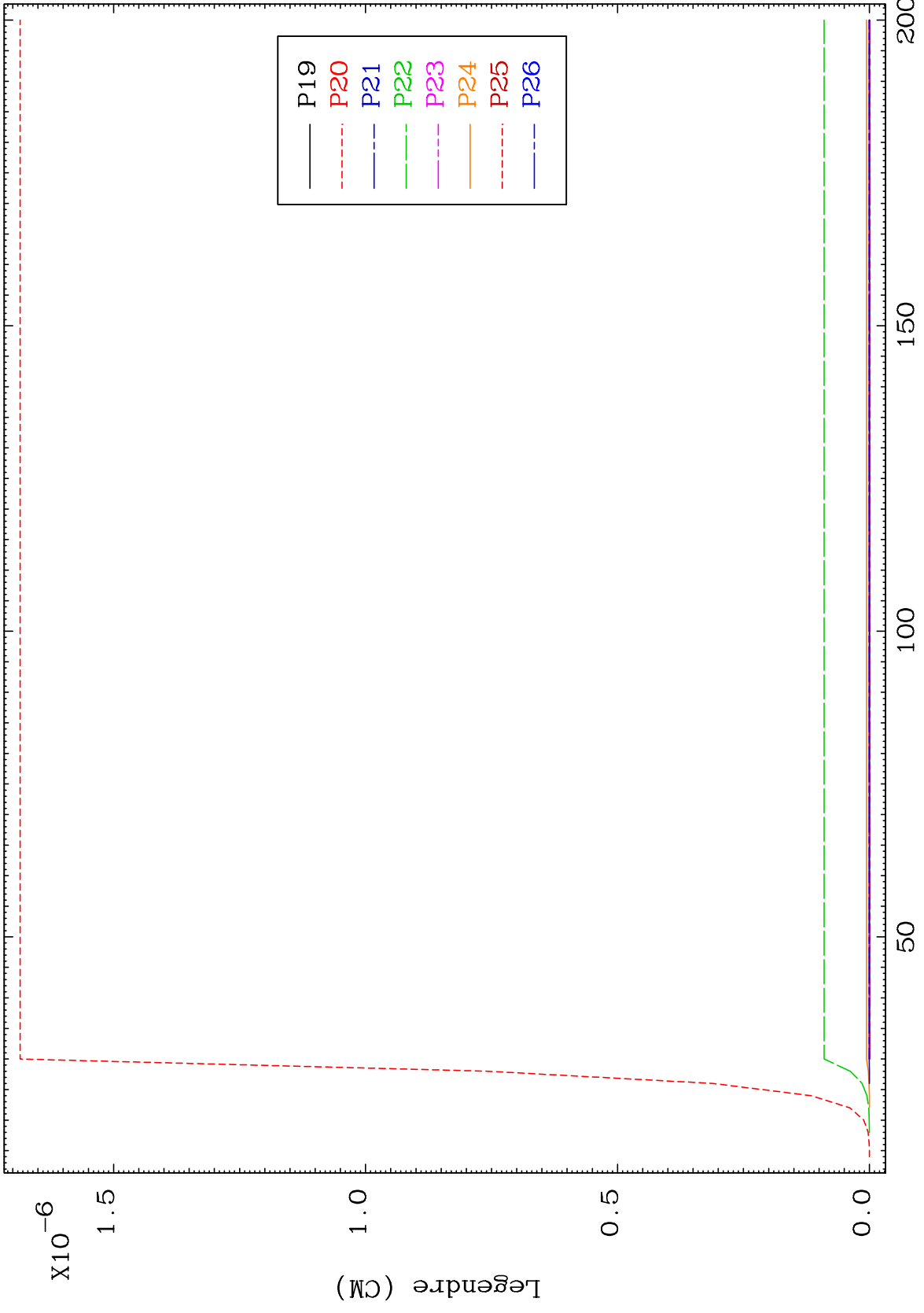
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MAT 5040 MT= 58 (n,n') Level Legendre Coefficients 50-Sn-117



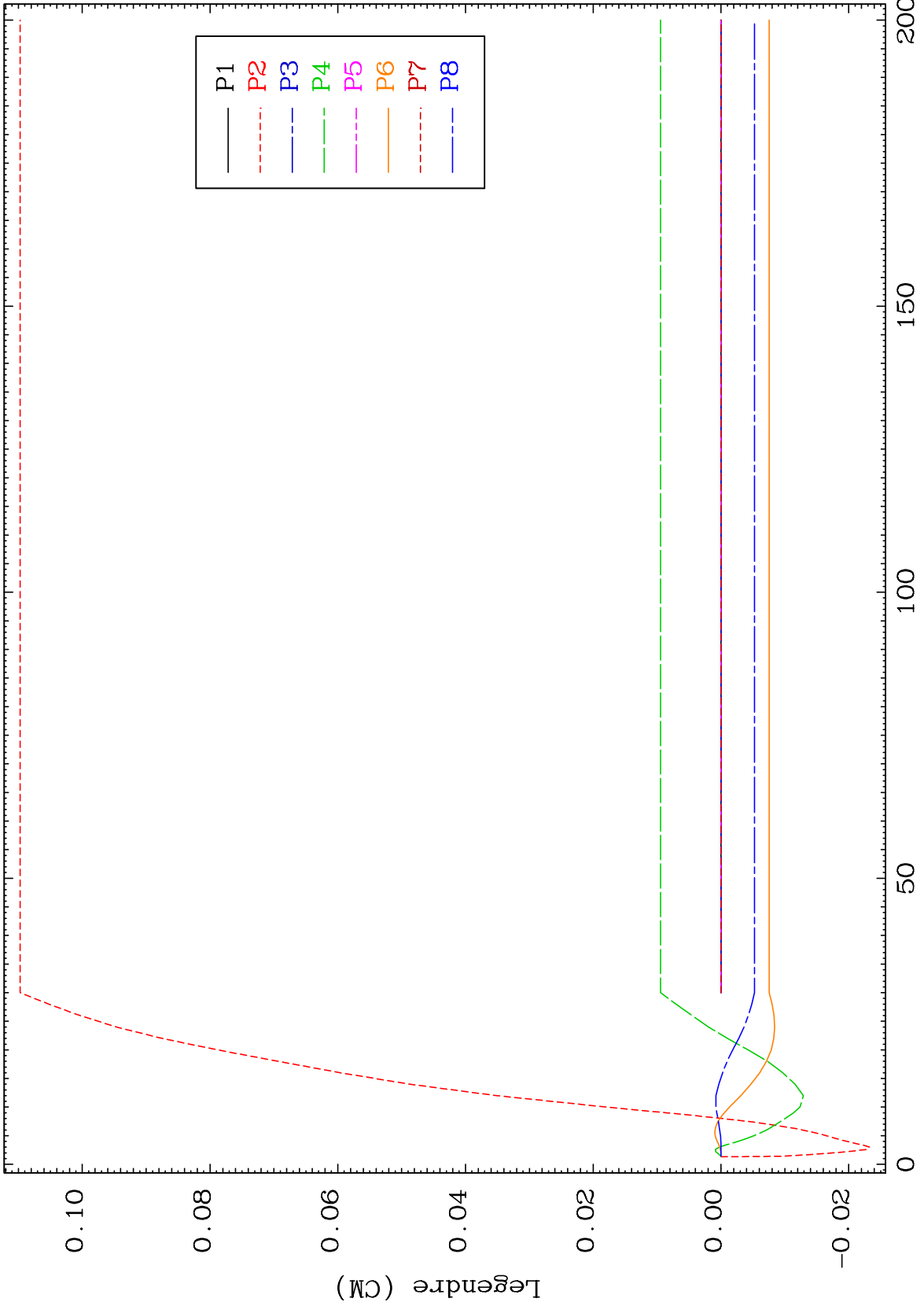
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MAT 5040 MT= 58 (n,n') Level Legendre Coefficients 50-Sn-117



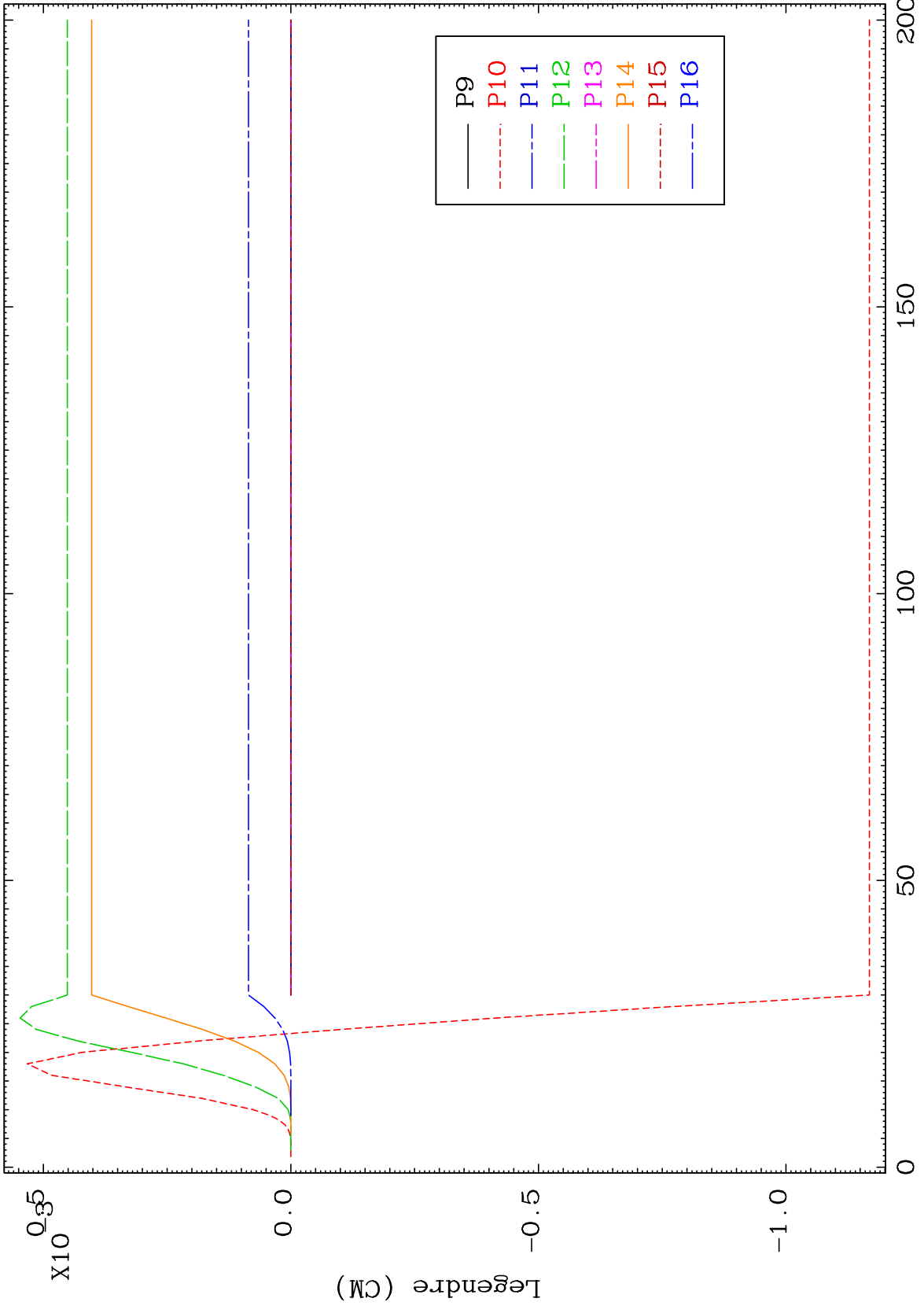
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MAT 5040 MT= 59 (n,n') Level Legendre Coefficients 50-Sn-117



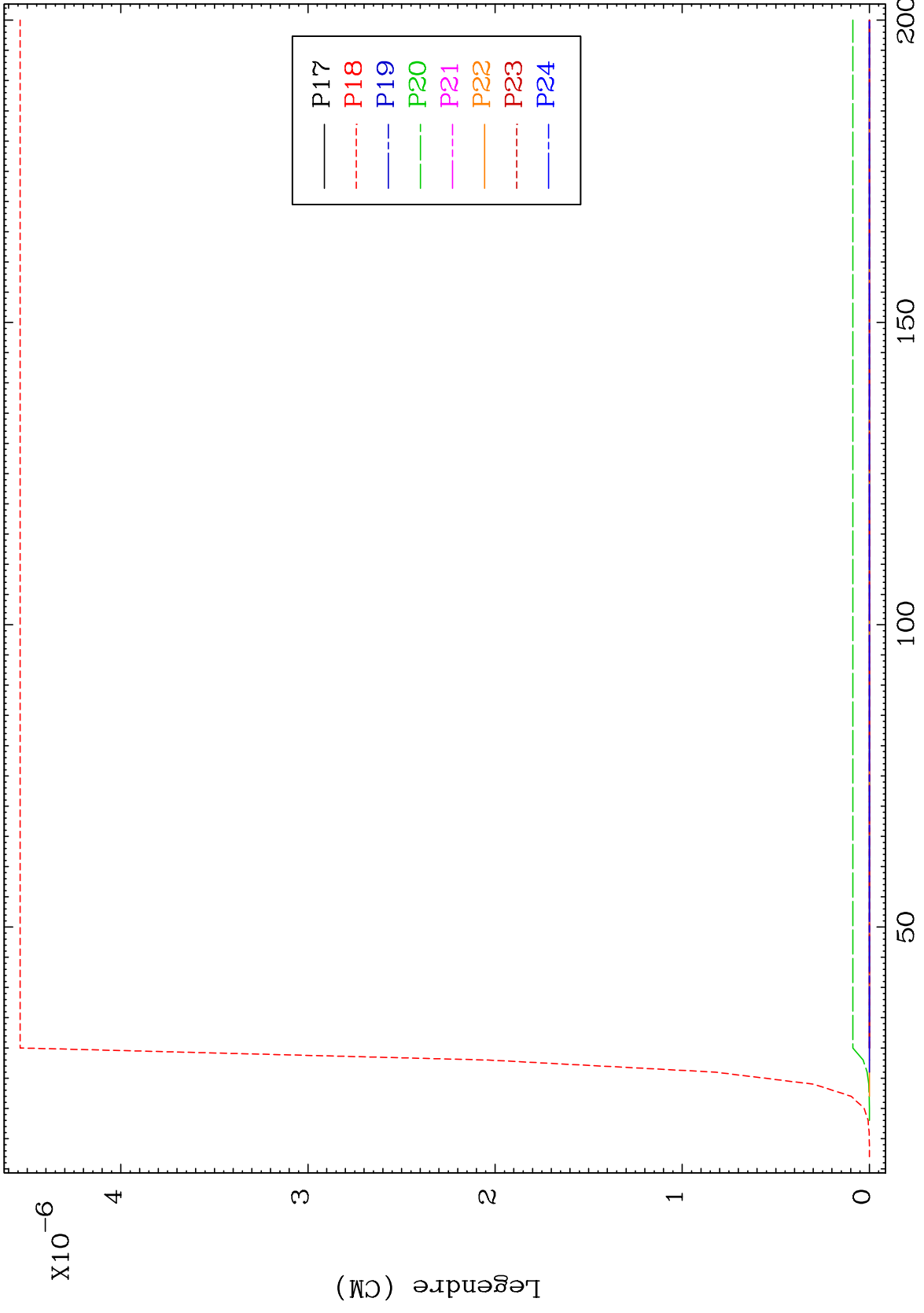
44 50-Sn-117

MAT 5040 MT= 59 (n,n') Level Legendre Coefficients 50-Sn-117



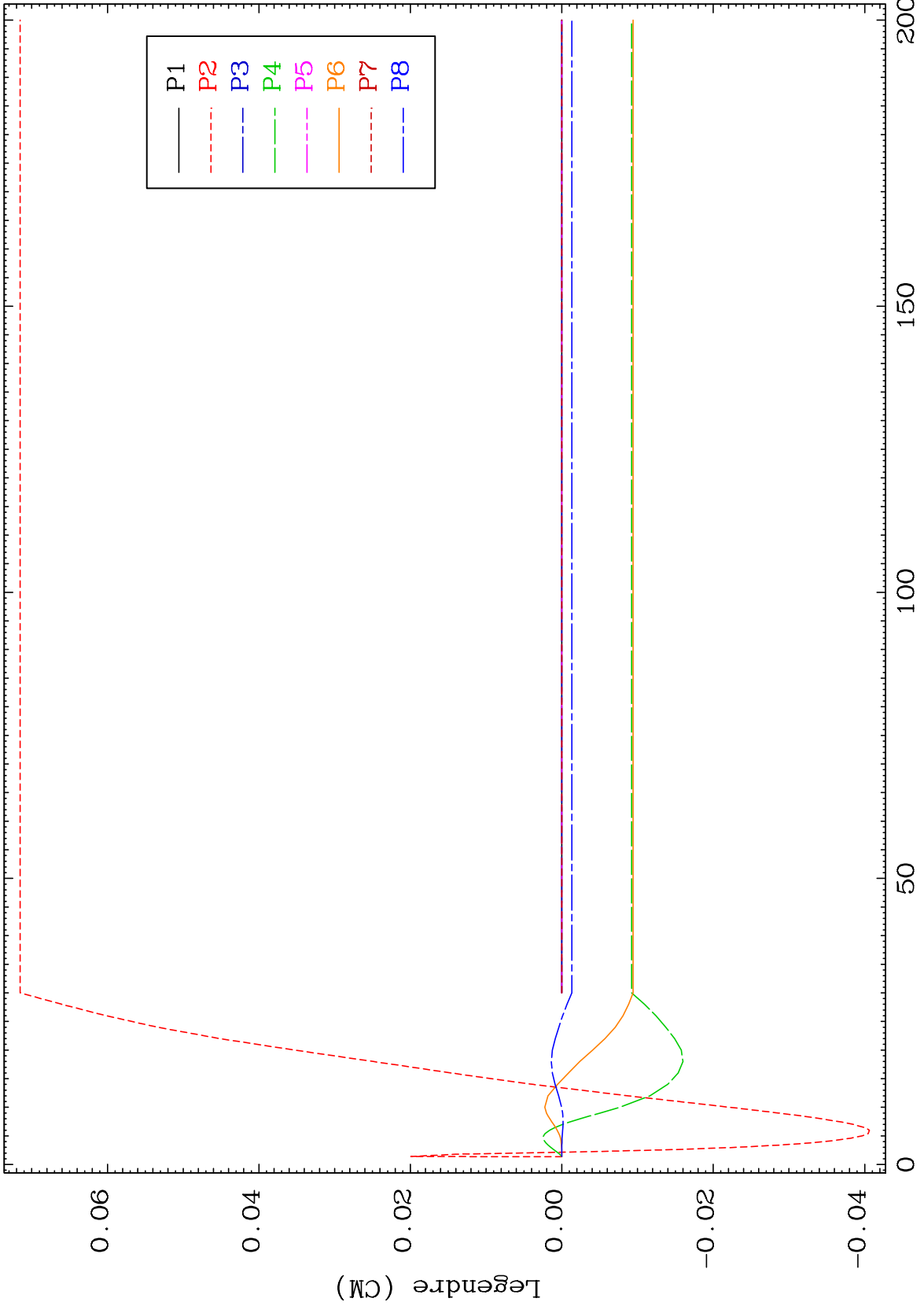
45 50-Sn-117

MAT 5040 MT= 59 (n,n') Level Legendre Coefficients 50-Sn-117



46 Incident Energy (MeV) 50-Sn-117

MAT 5040 MT= 60 (n,n') Level Legendre Coefficients 50-Sn-117

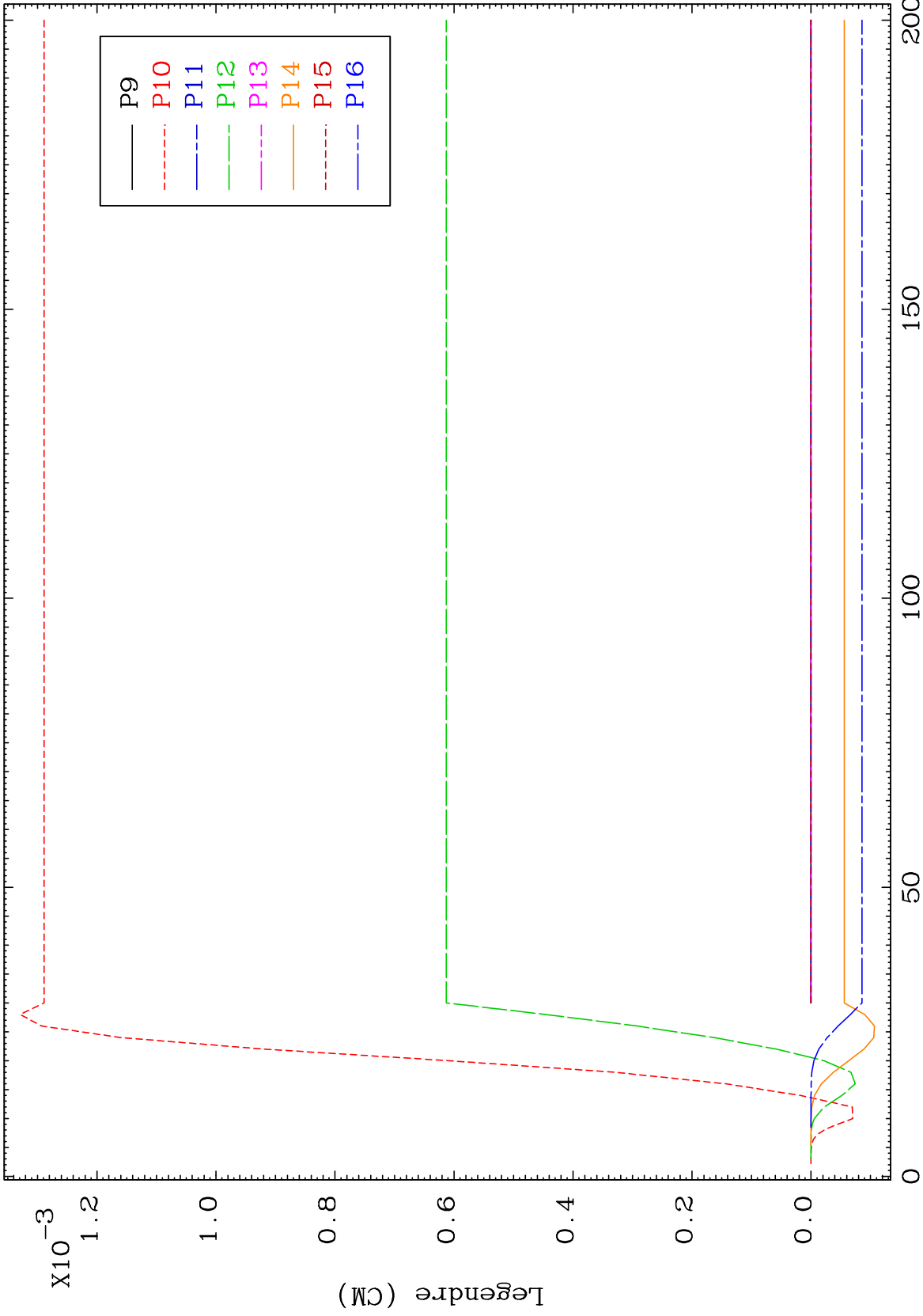


47 50-Sn-117

MAT 5040

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

50-Sn-117



50-Sn-117

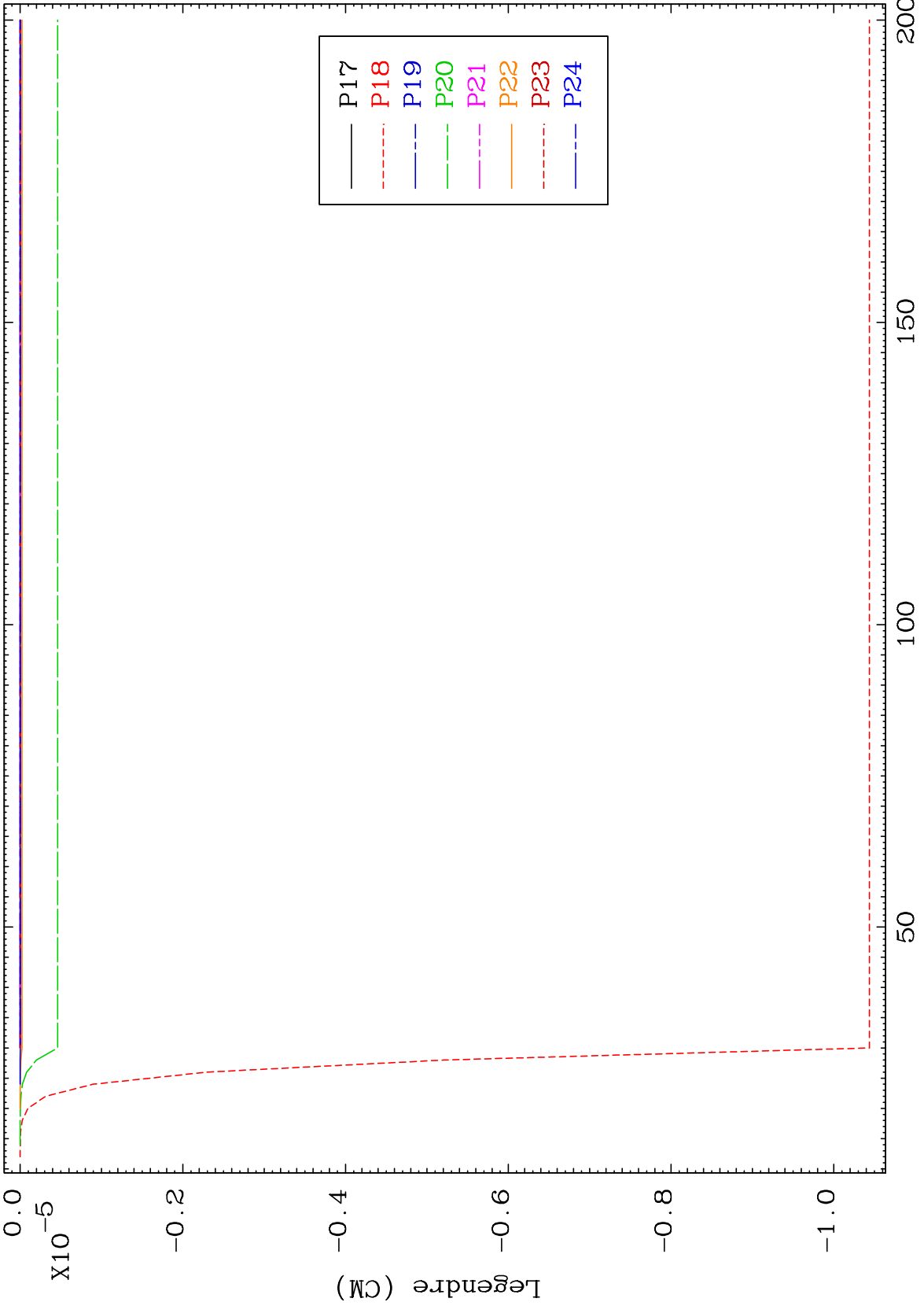
Incident Energy (MeV)

48

MAT 5040 MT= 60 (n,n') Level

50-Sn-117

Legendre Coefficients

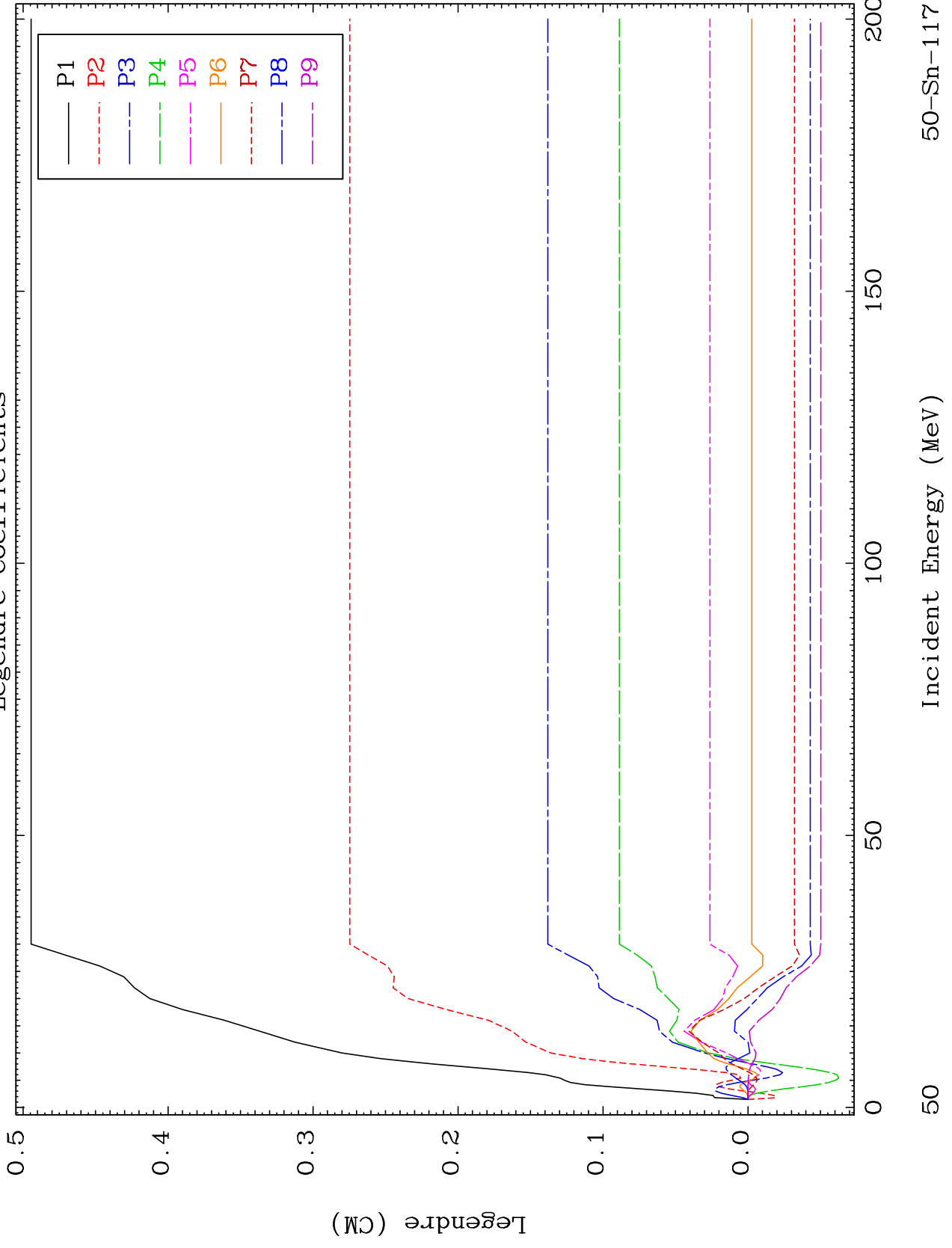


50-Sn-117

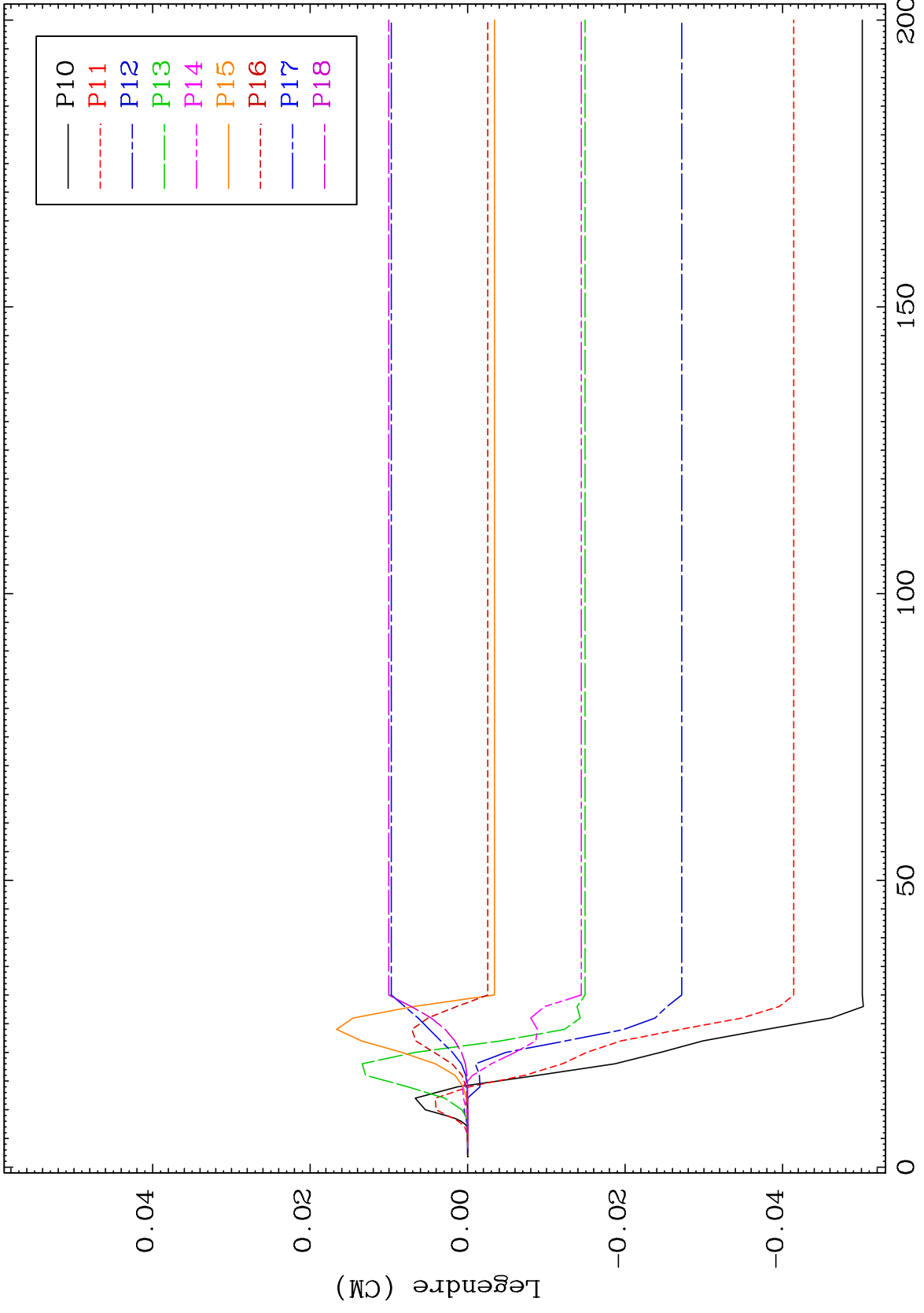
Incident Energy (MeV)

49

MAT 5040 MT= 61 (n,n') Level Legendre Coefficients 50-Sn-117



MAT 5040 MT= 61 (n,n') Level Legendre Coefficients 50-Sn-117

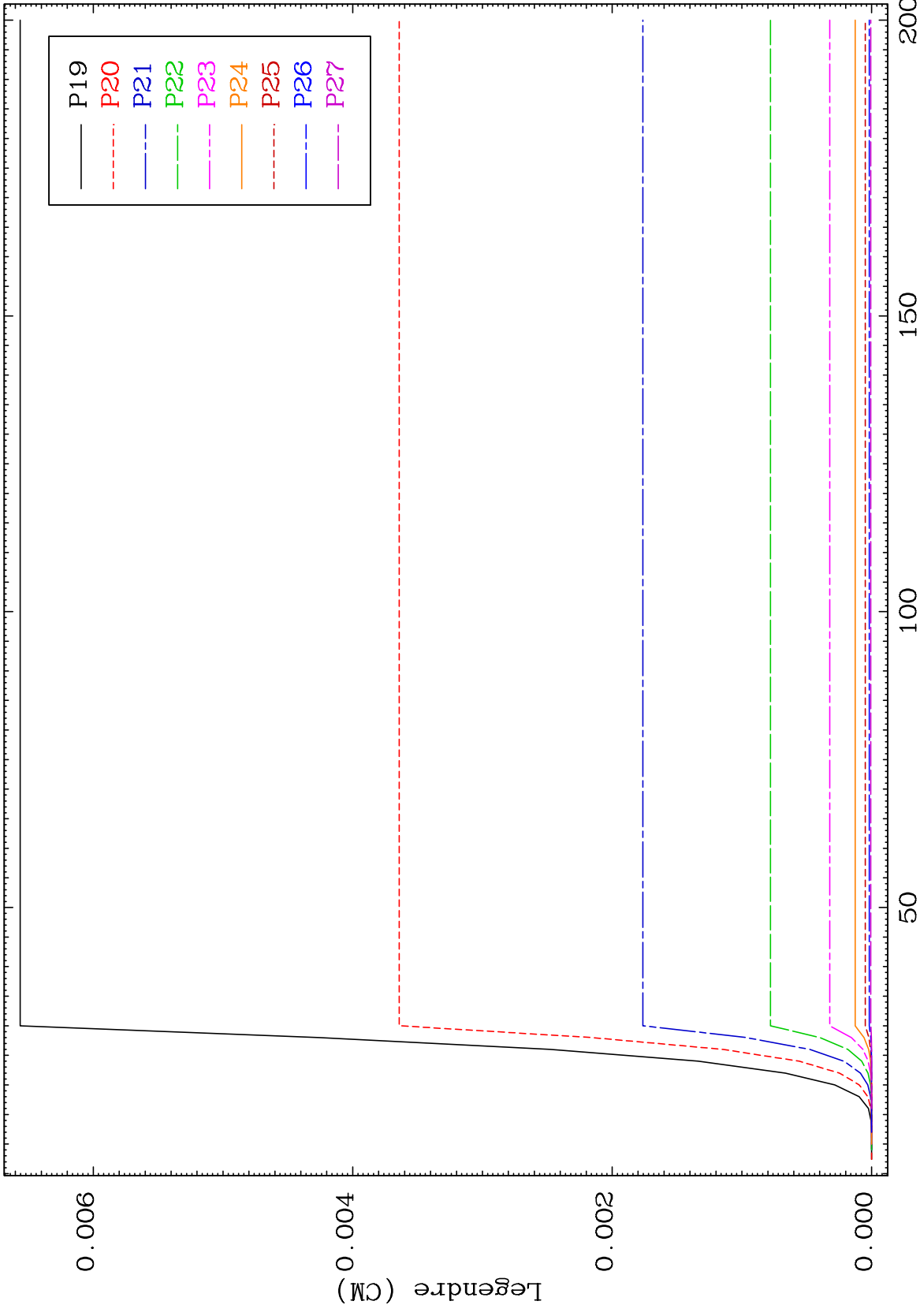


51 50-Sn-117

MAT 5040

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

50-Sn-117



50-Sn-117

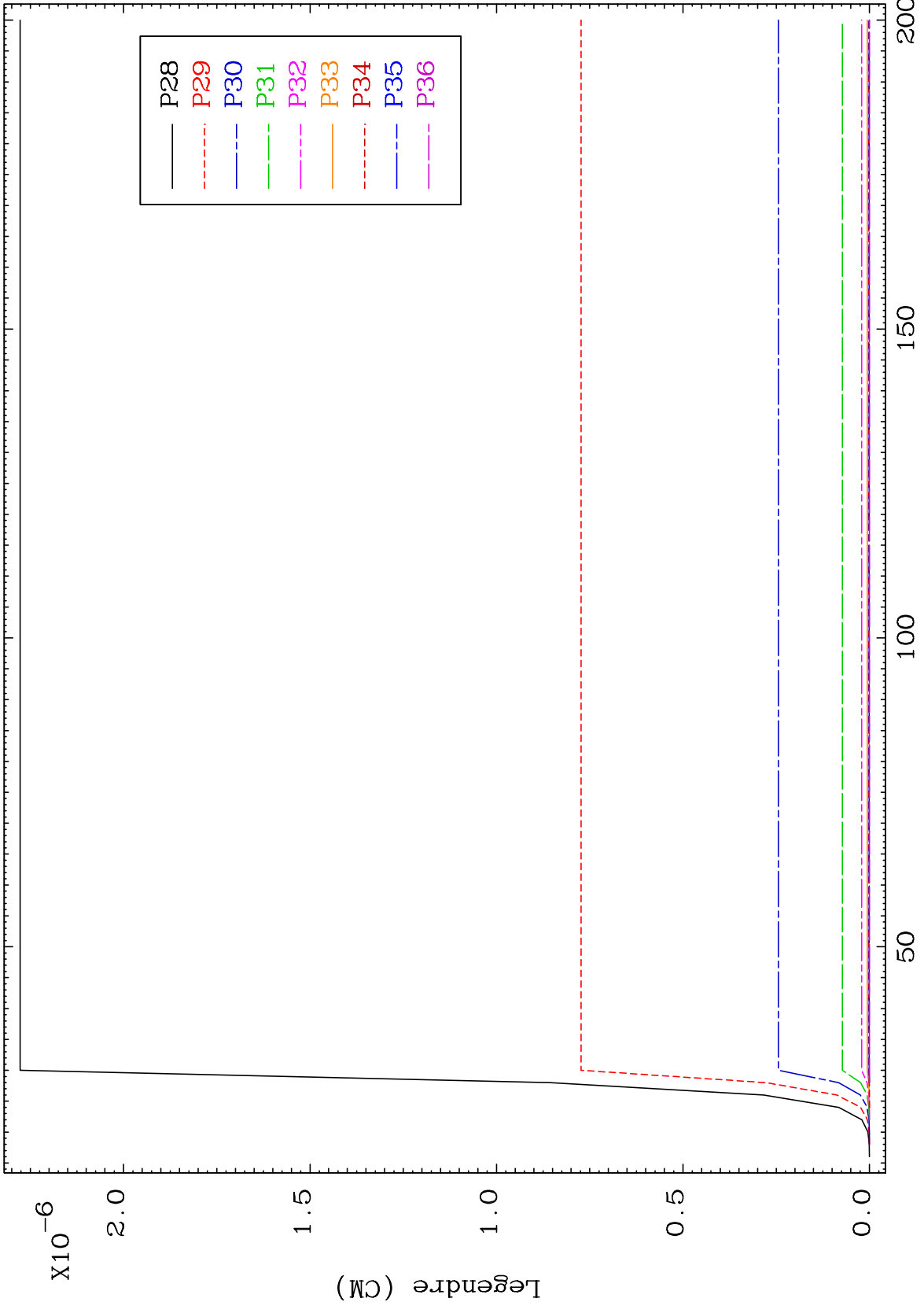
Incident Energy (MeV)

52

MAT 5040

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

50-Sn-117

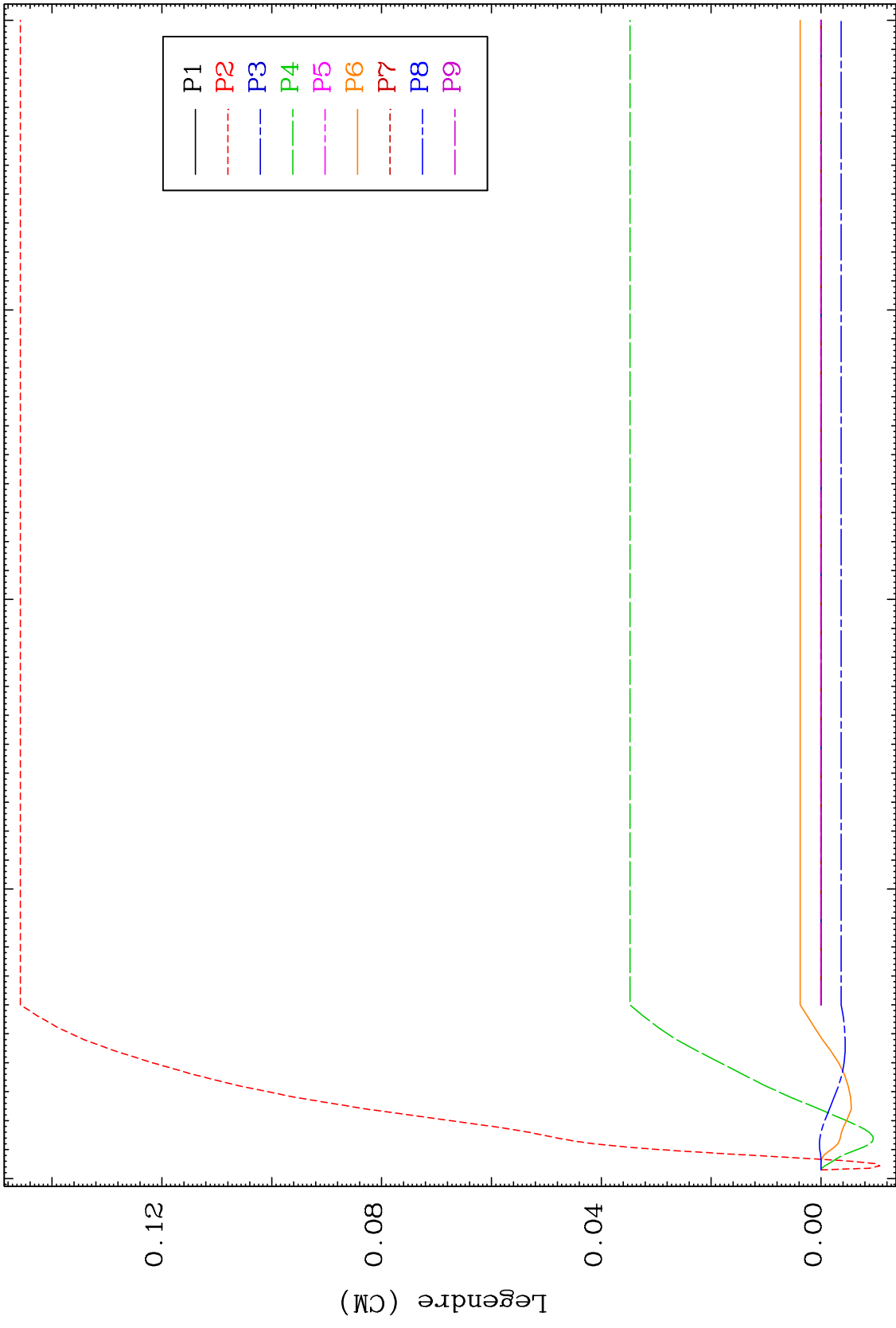


50-Sn-117

Incident Energy (MeV)

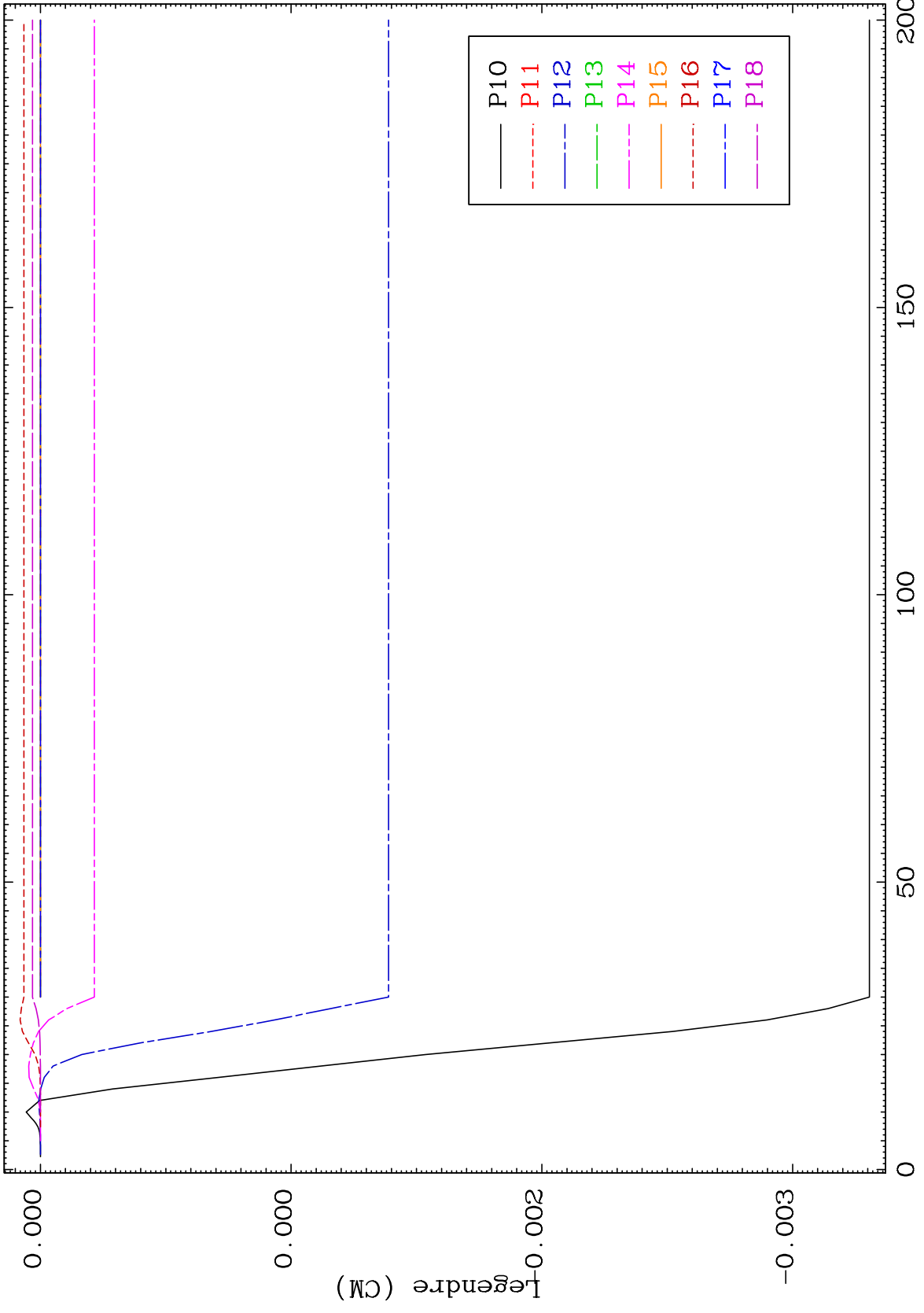
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MAT 5040 MT= 62 (n,n') Level Legendre Coefficients 50-Sn-117



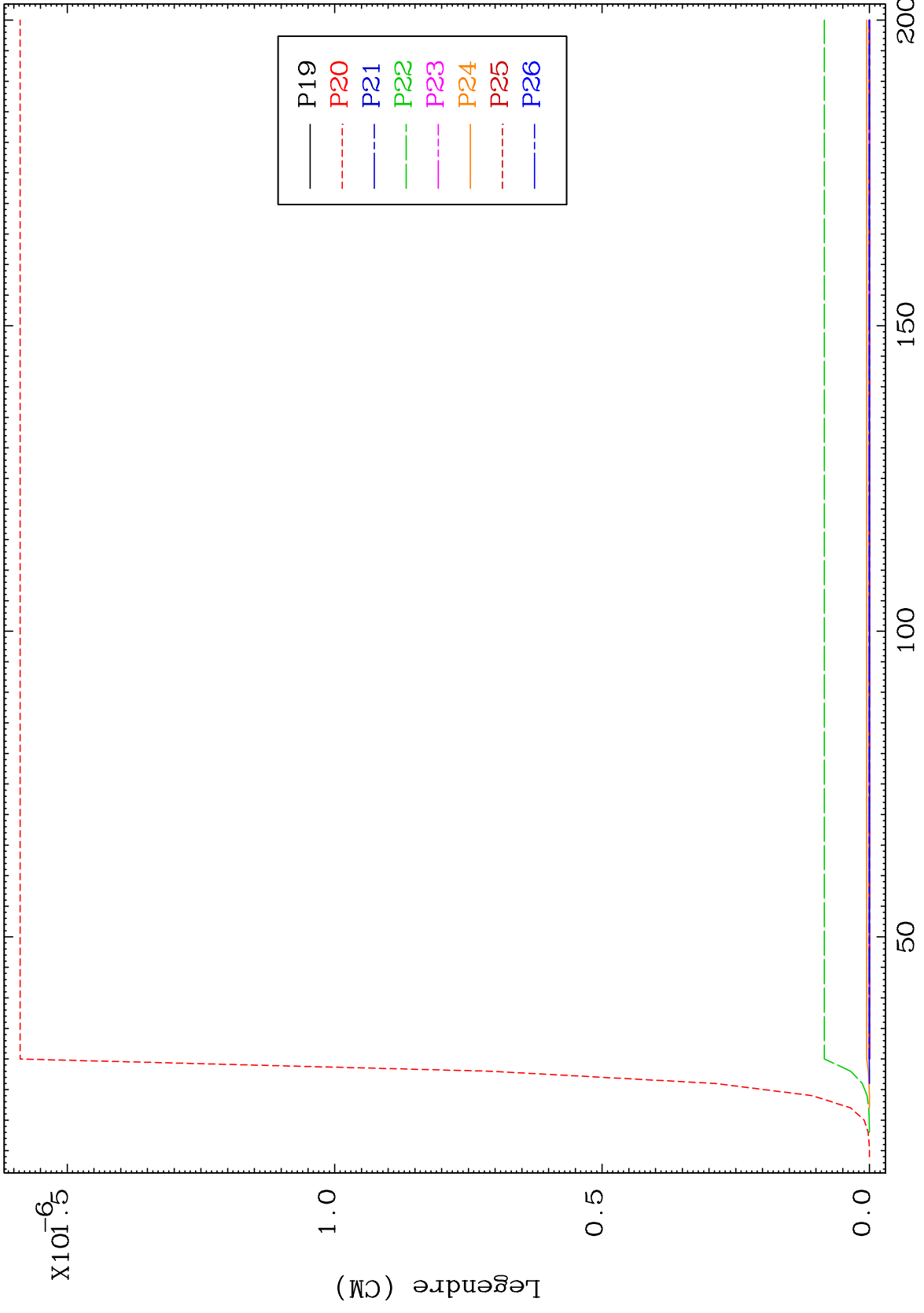
54 50-Sn-117

MAT 5040 MT= 62 (n,n') Level Legendre Coefficients 50-Sn-117



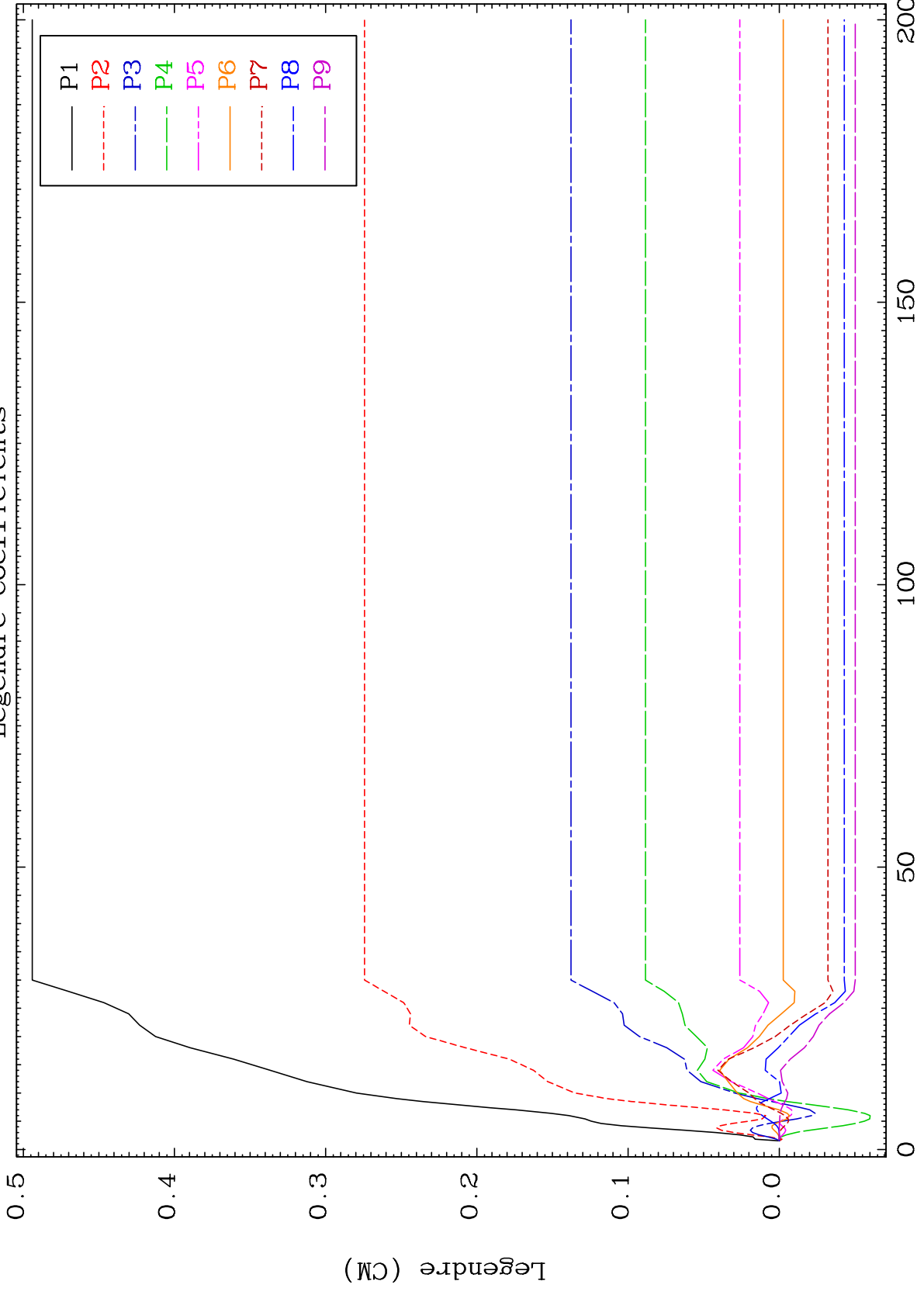
55 Incident Energy (MeV) 50-Sn-117

MAT 5040 MT= 62 (n,n') Level Legendre Coefficients 50-Sn-117



56 Incident Energy (MeV) 50-Sn-117

MAT 5040 MT= 63 (n,n') Level Legendre Coefficients 50-Sn-117

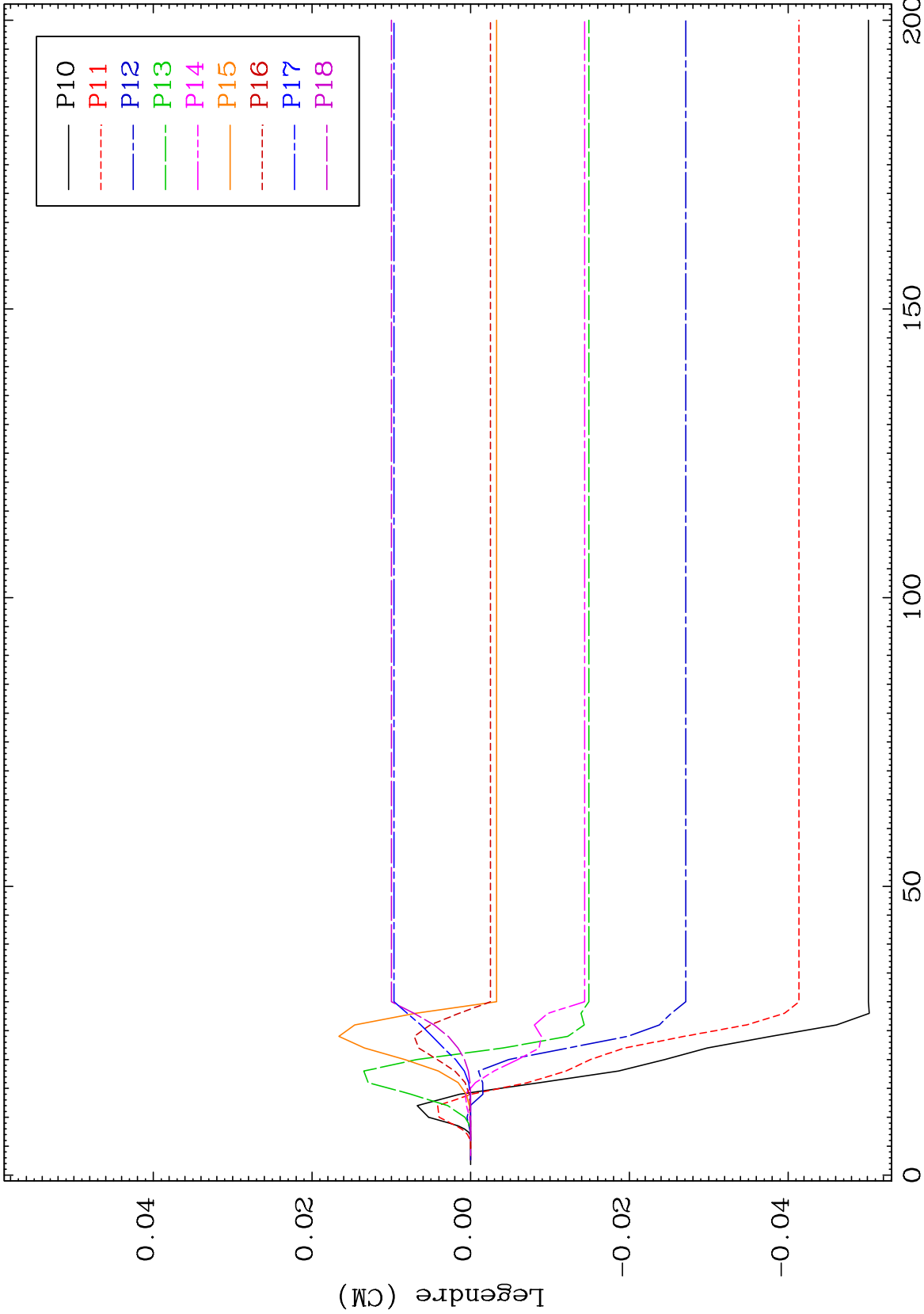


57 50-Sn-117

MAT 5040

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

50-Sn-117



58

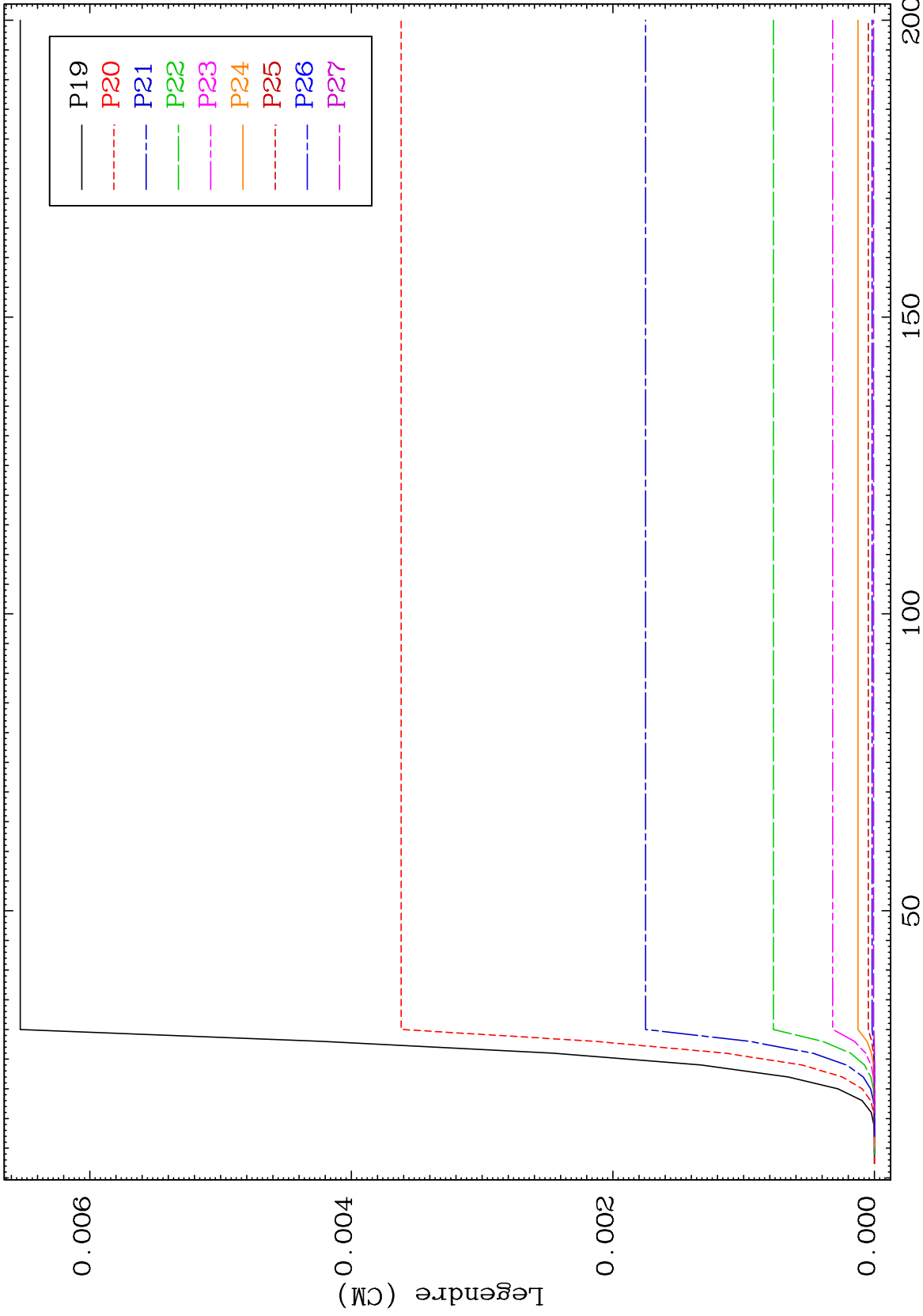
Incident Energy (MeV)

50-Sn-117

MAT 5040

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

50-Sn-117

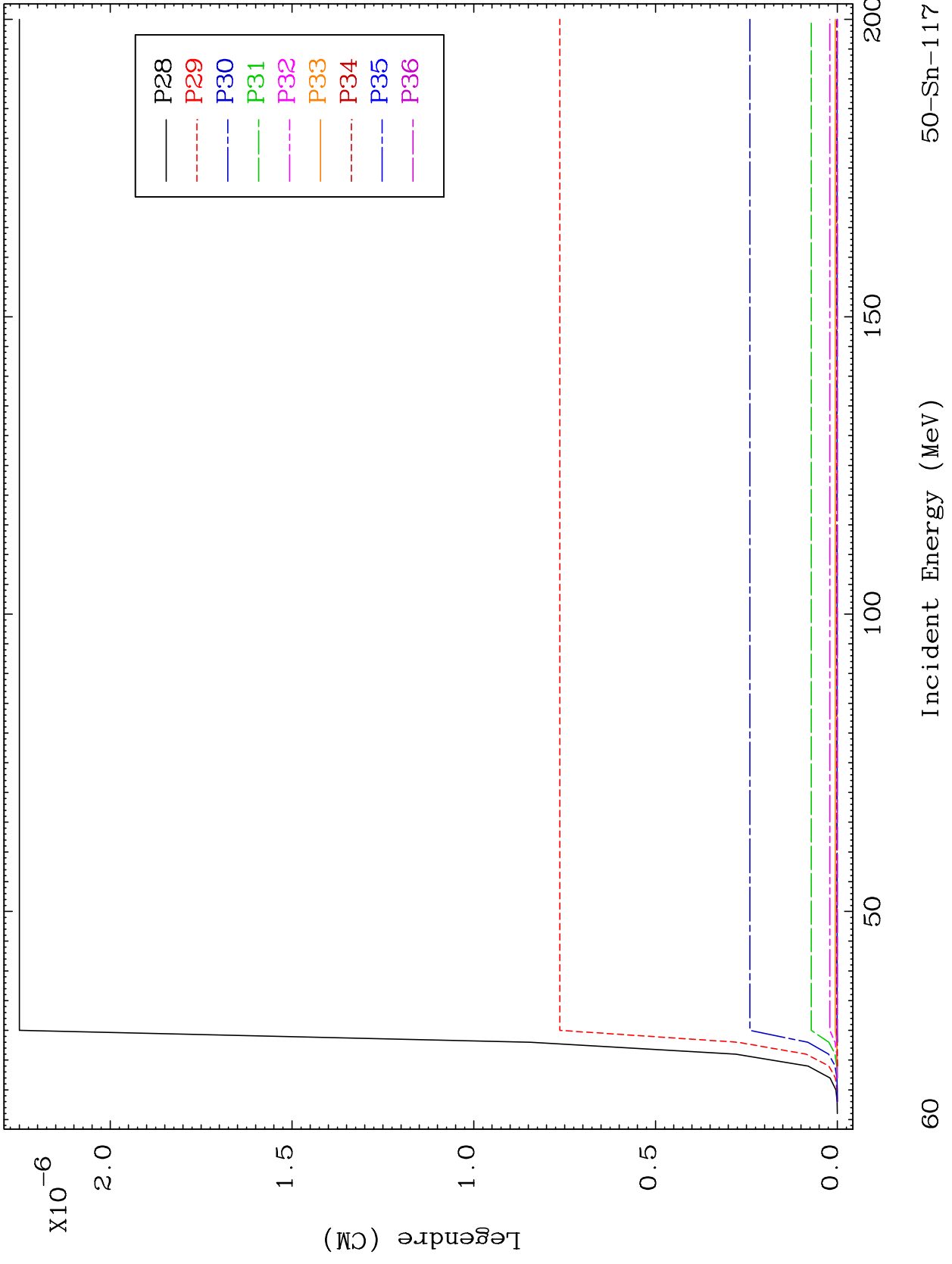


59

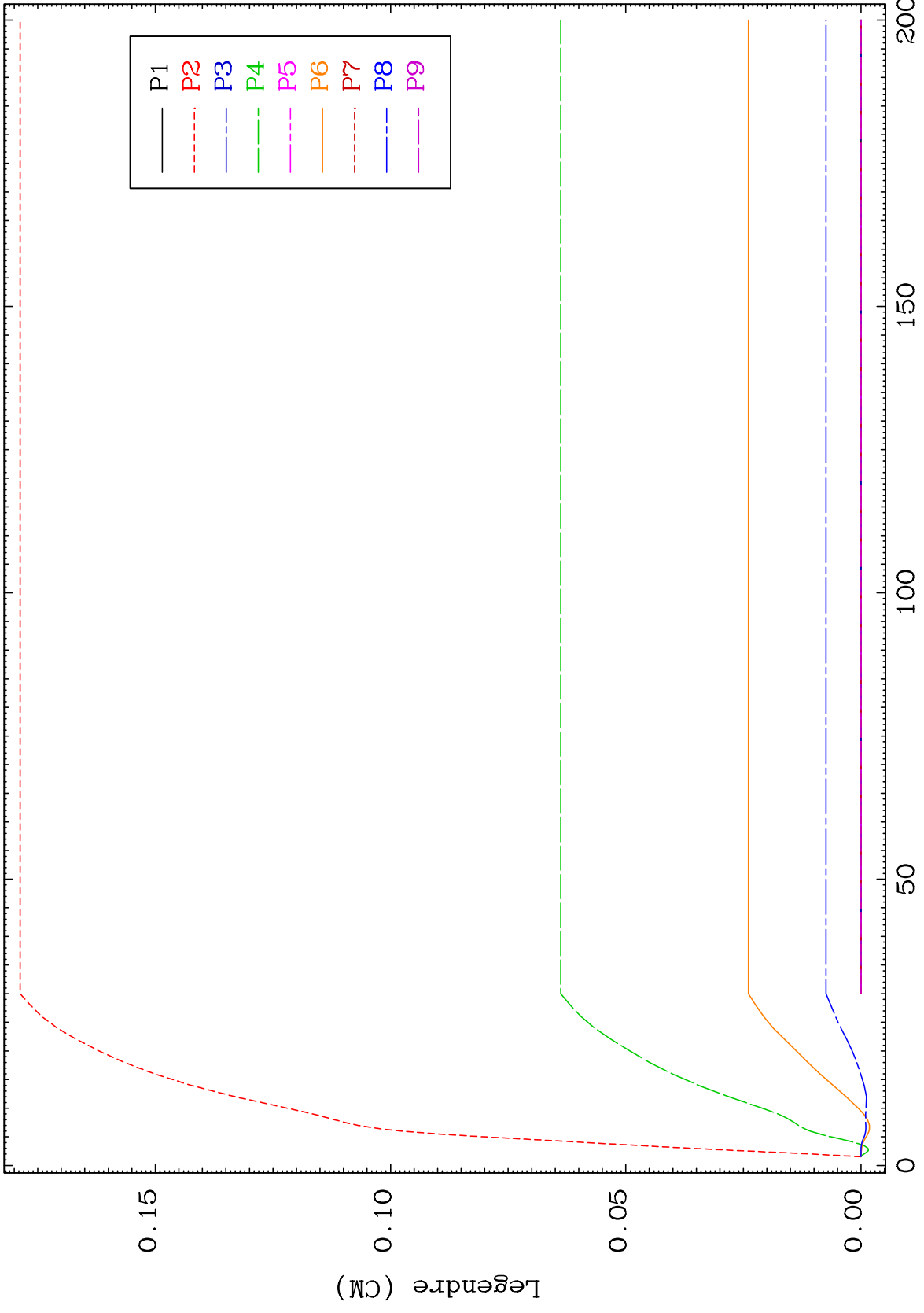
Incident Energy (MeV)

50-Sn-117

MAT 5040 MT= 63 (n,n') Level Legendre Coefficients 50-Sn-117



MAT 5040 MT= 64 (n,n') Level Legendre Coefficients 50-Sn-117

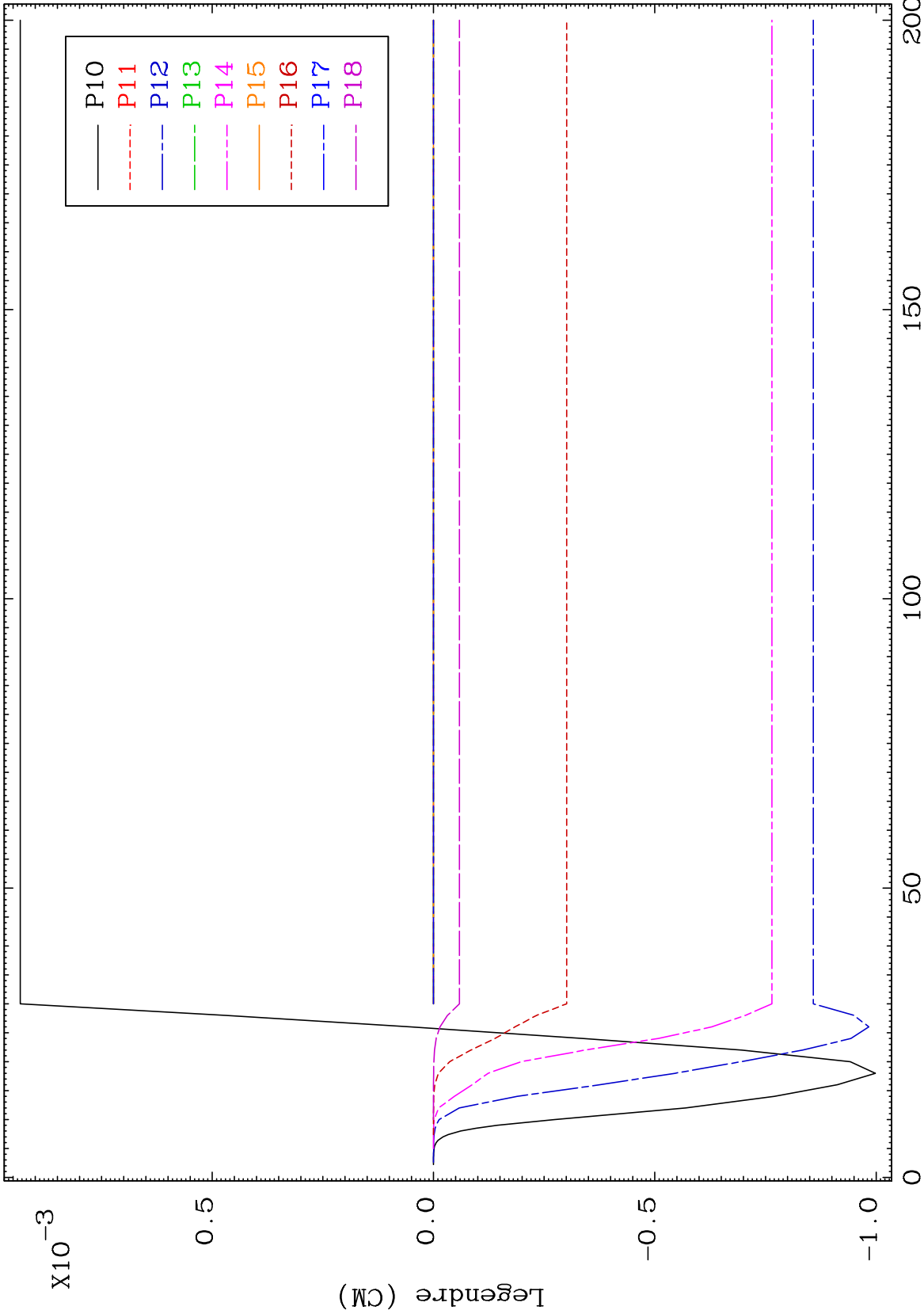


61 Incident Energy (MeV) 50-Sn-117

MAT 5040

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

50-Sn-117



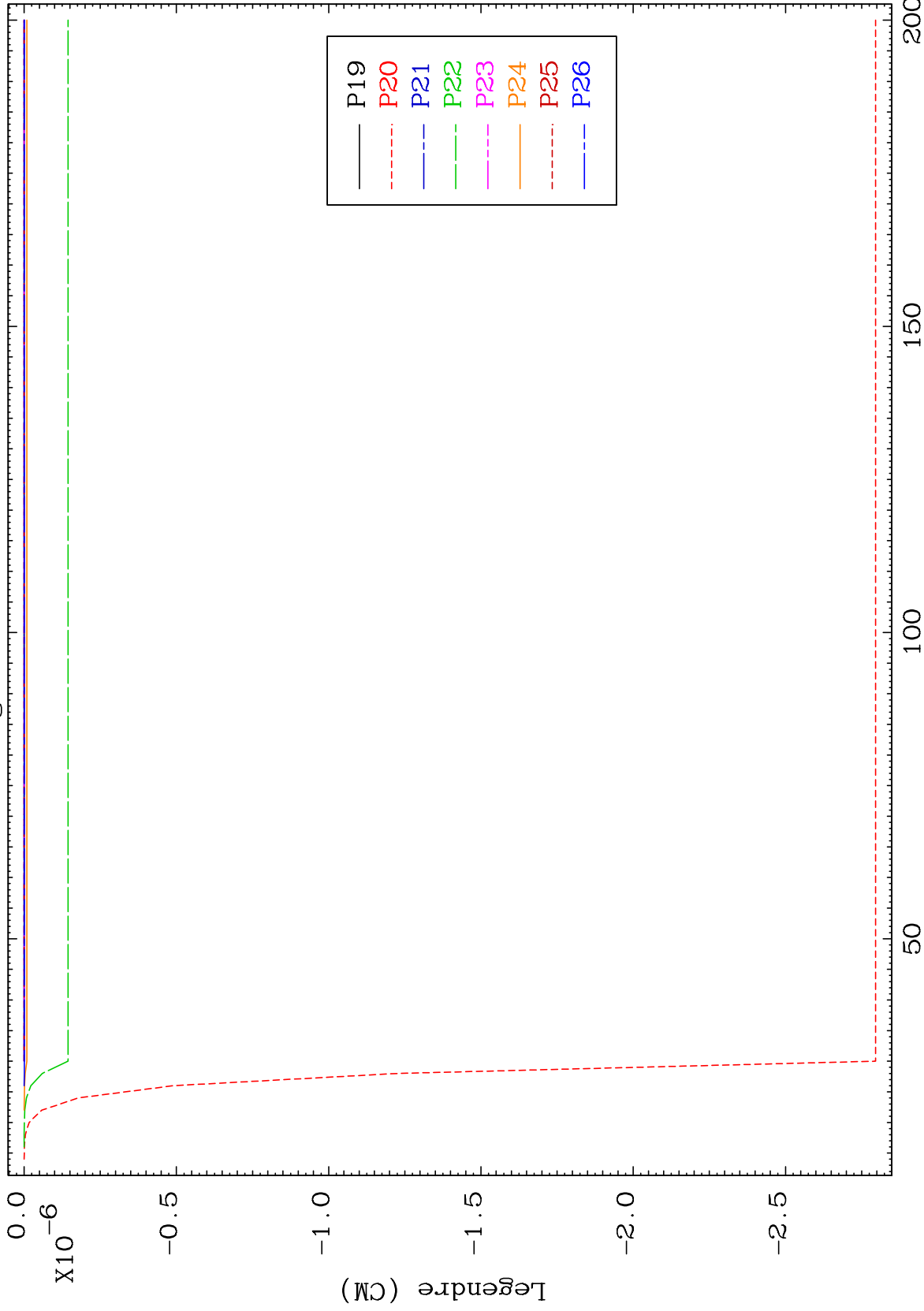
62

50-Sn-117

MAT 5040 MT= 64 (n,n') Level

50-Sn-117

Legendre Coefficients

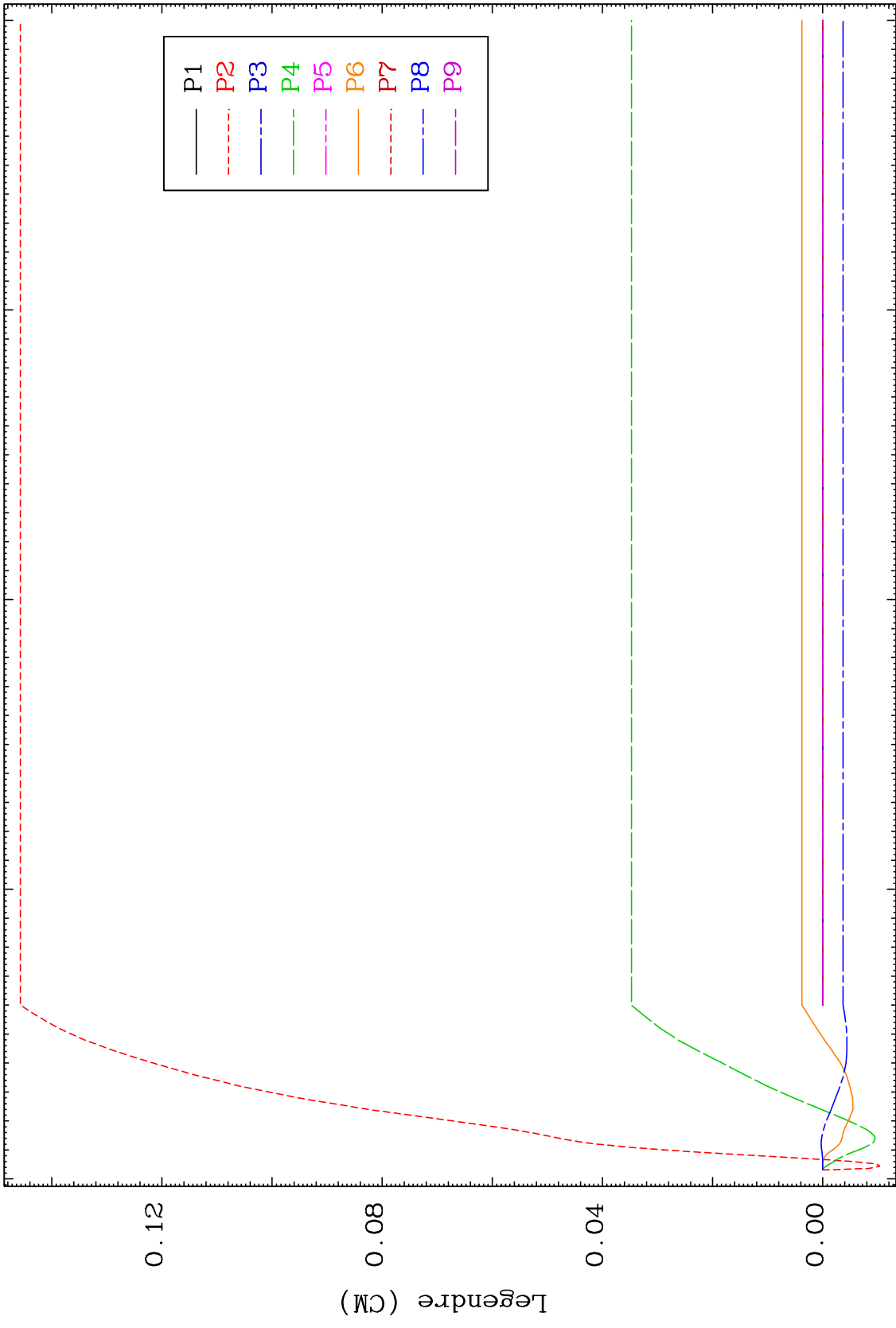


50-Sn-117

Incident Energy (MeV)

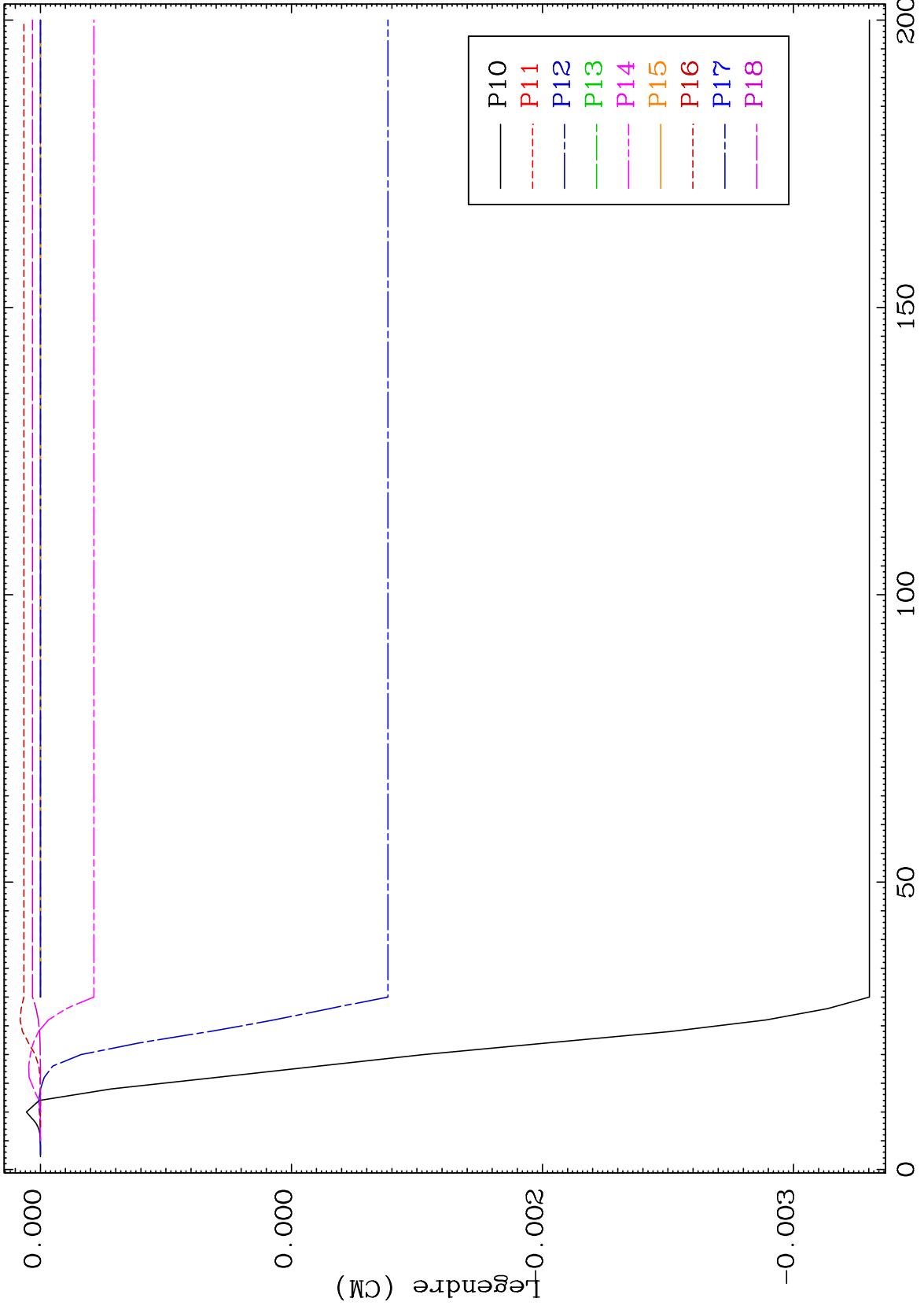
63

MAT 5040 MT= 65 (n,n') Level Legendre Coefficients 50-Sn-117



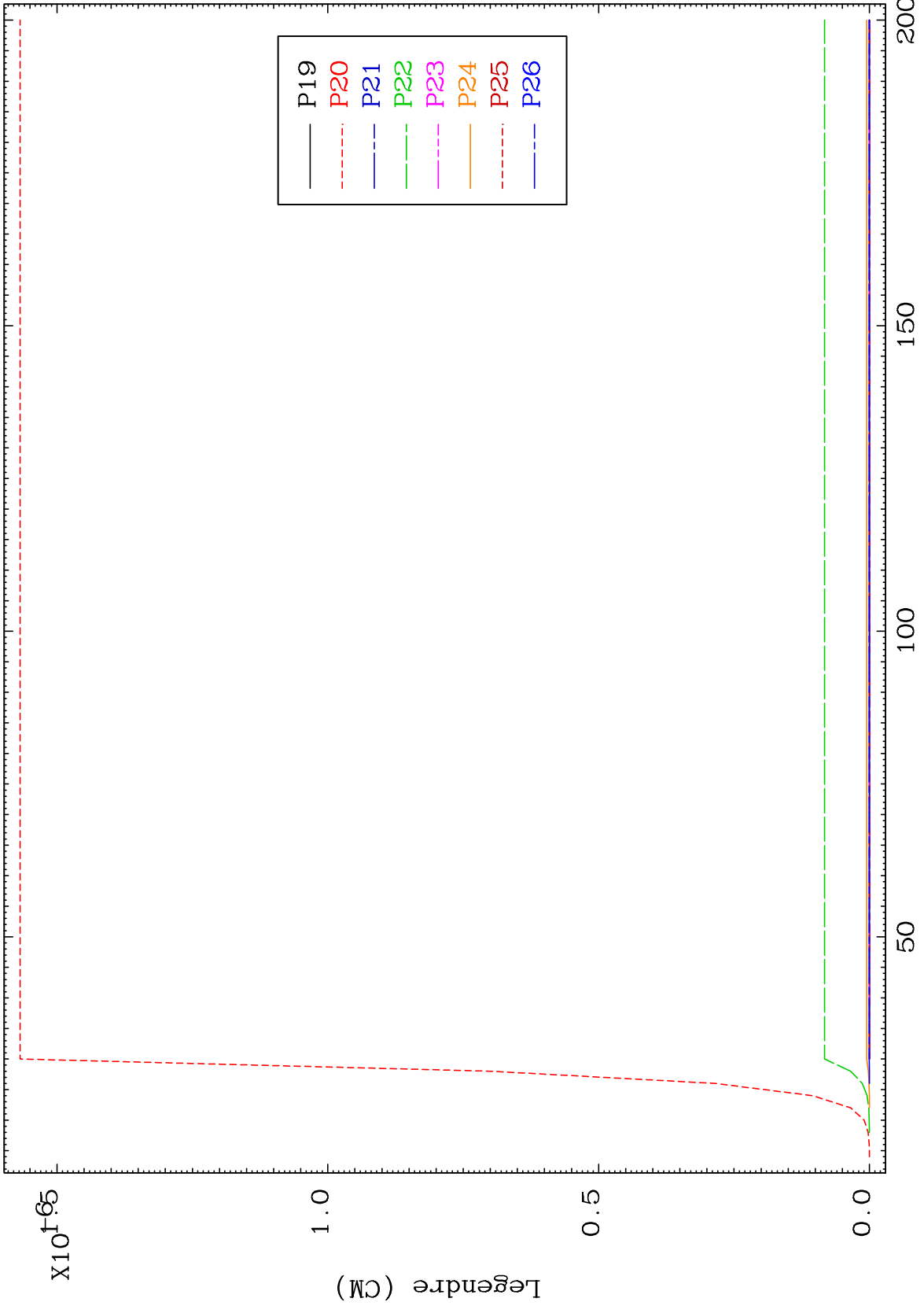
64 50-Sn-117

MAT 5040 MT= 65 (n,n') Level Legendre Coefficients 50-Sn-117



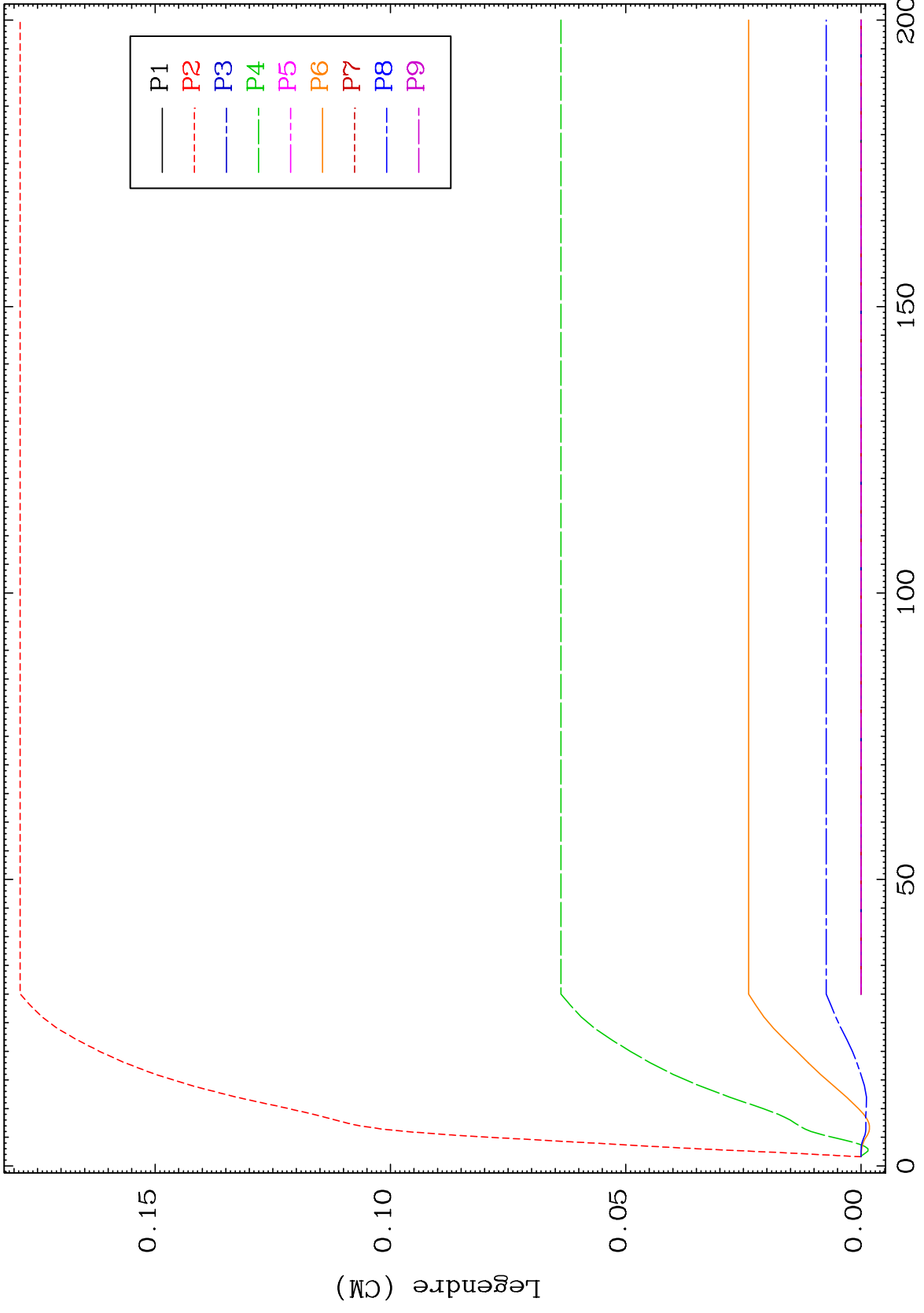
65 50-Sn-117

MAT 5040 MT= 65 (n,n') Level Legendre Coefficients 50-Sn-117



66 50-Sn-117

MAT 5040 MT= 66 (n,n') Level Legendre Coefficients 50-Sn-117

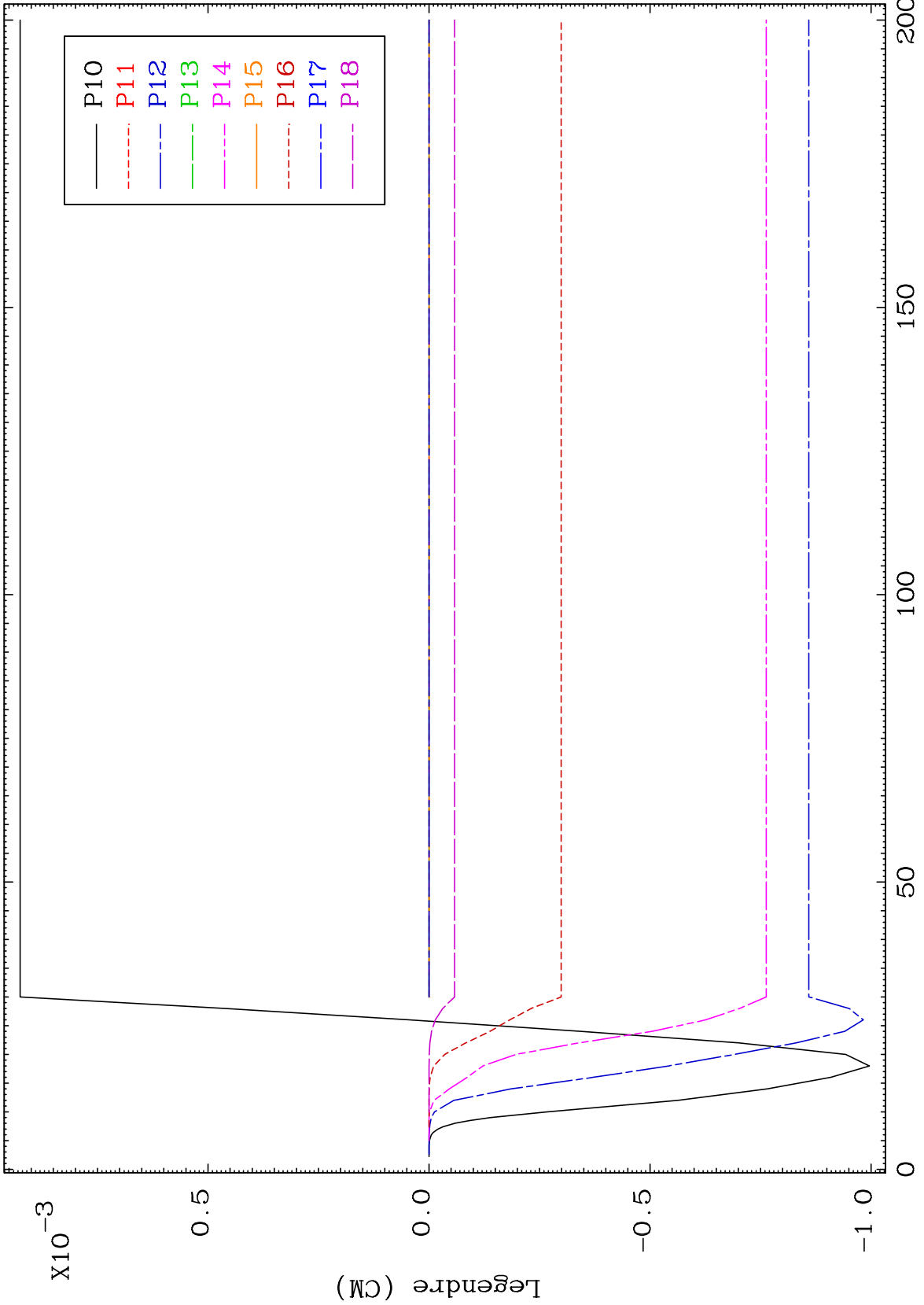


67 50-Sn-117

MAT 5040

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

50-Sn-117



68

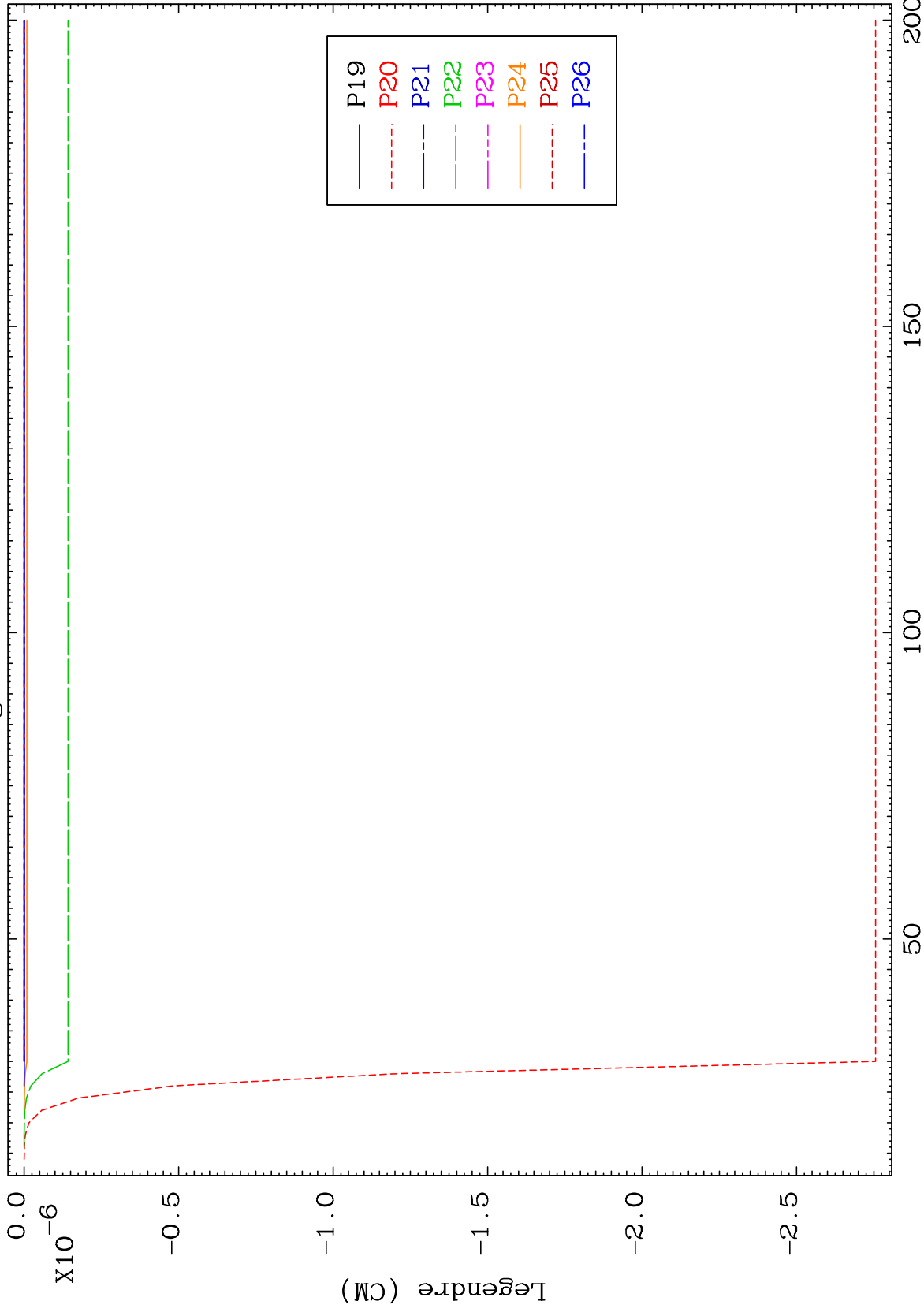
Incident Energy (MeV)

50-Sn-117

MAT 5040

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

50-Sn-117

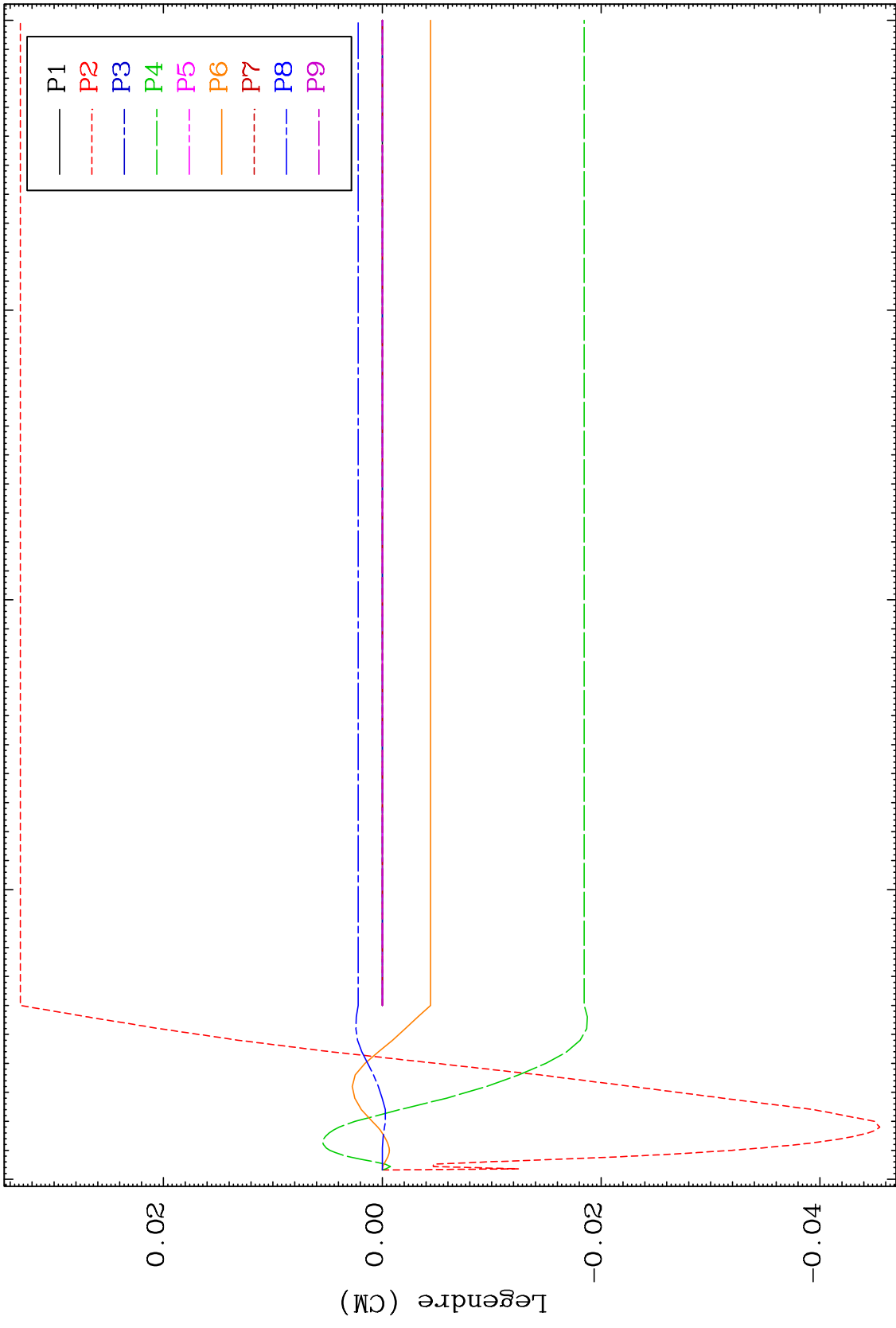


50-Sn-117

Incident Energy (MeV)

69

MAT 5040 MT= 67 (n,n') Level Legendre Coefficients 50-Sn-117

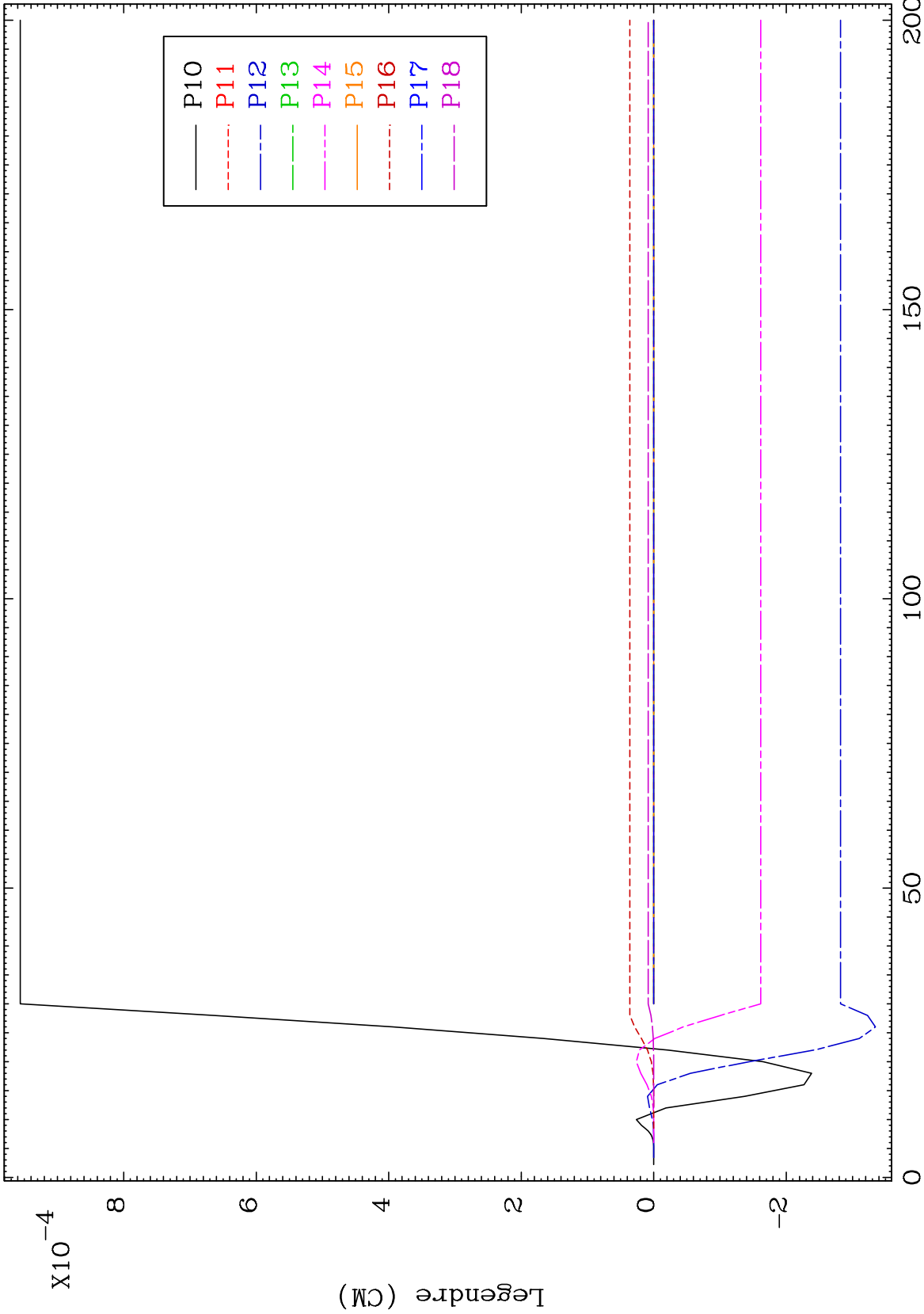


70 100 150 200 Incident Energy (MeV) 50-Sn-117

MAT 5040

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

50-Sn-117

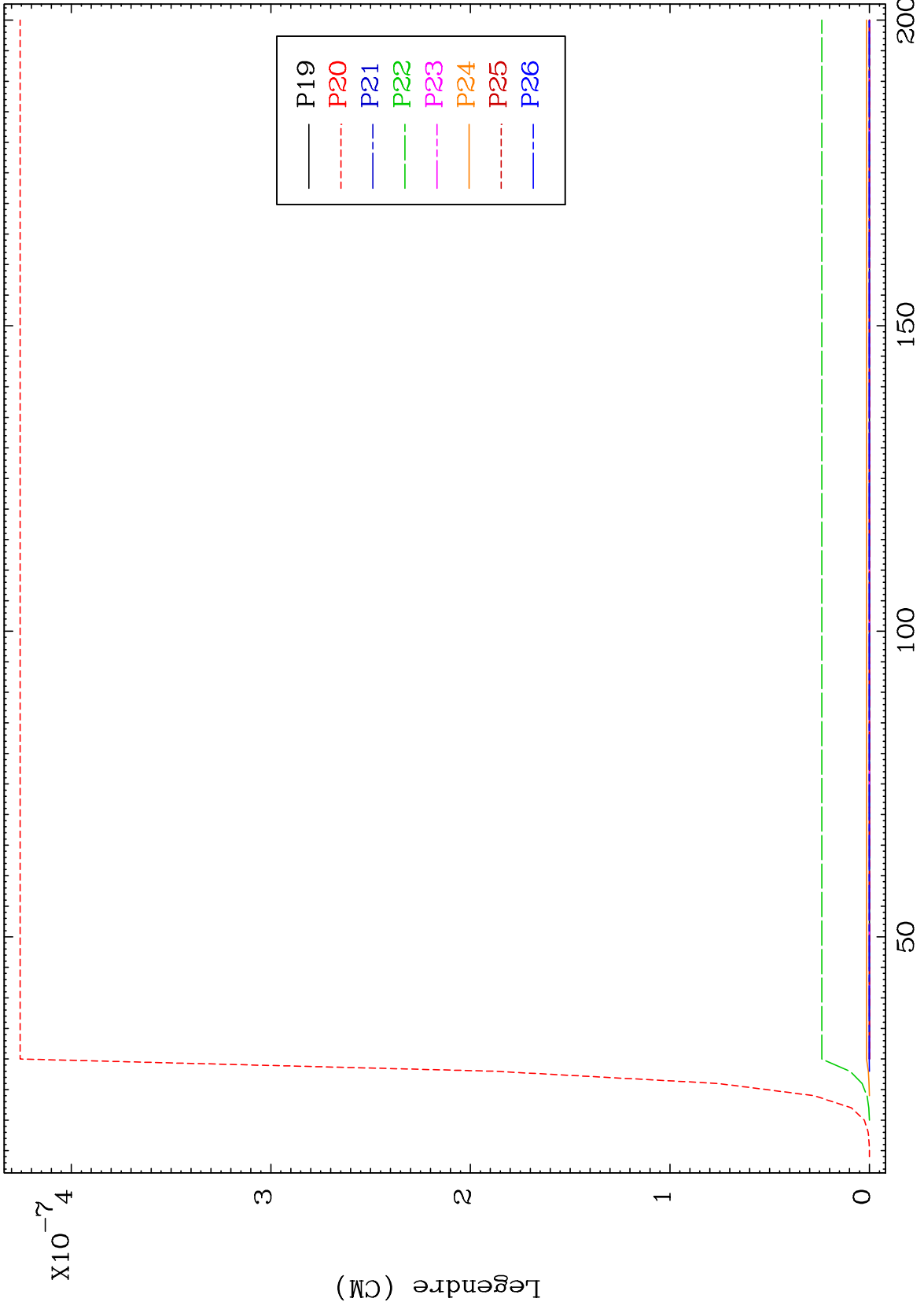


71

Incident Energy (MeV)

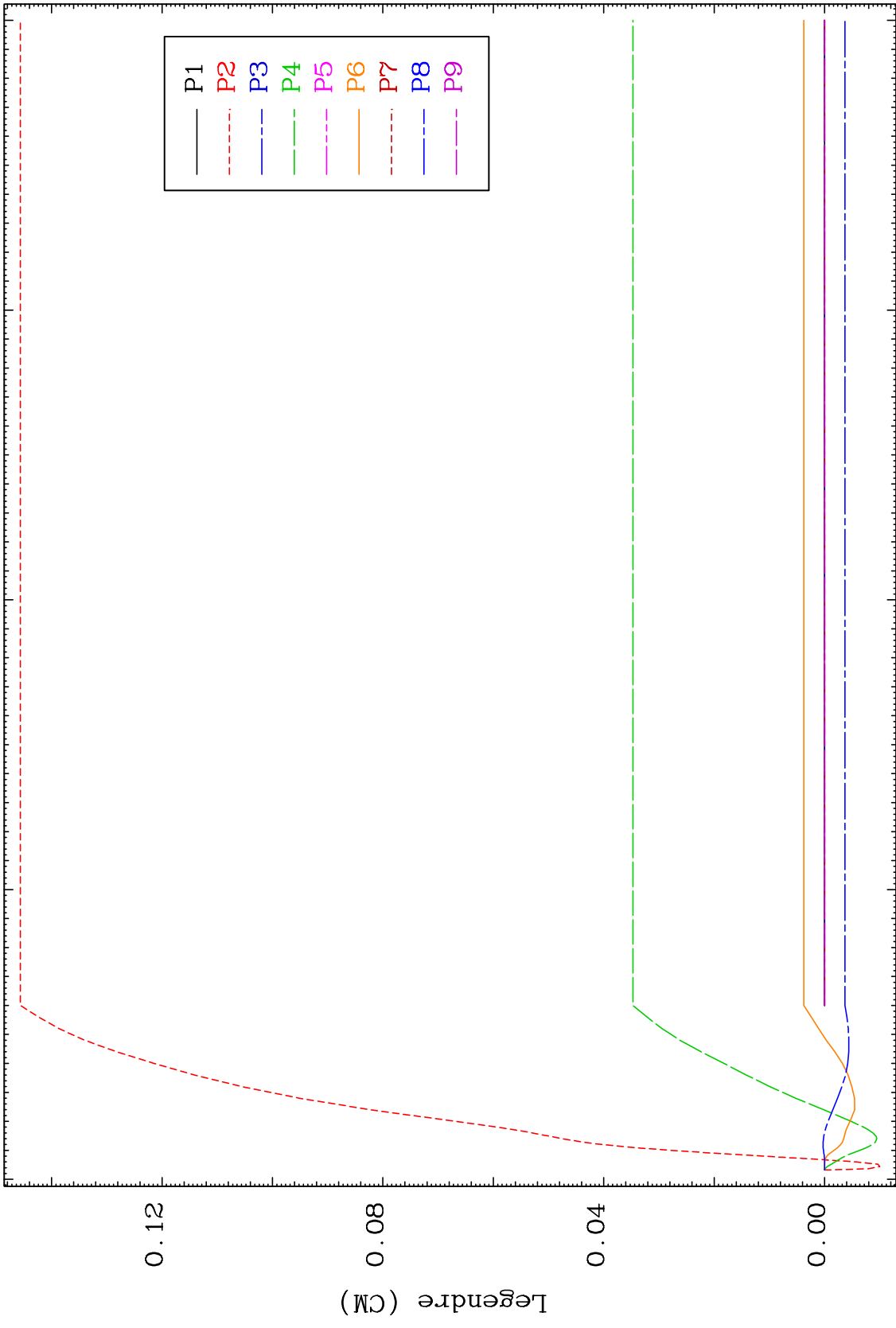
50-Sn-117

MAT 5040 MT= 67 (n,n') Level Legendre Coefficients 50-Sn-117



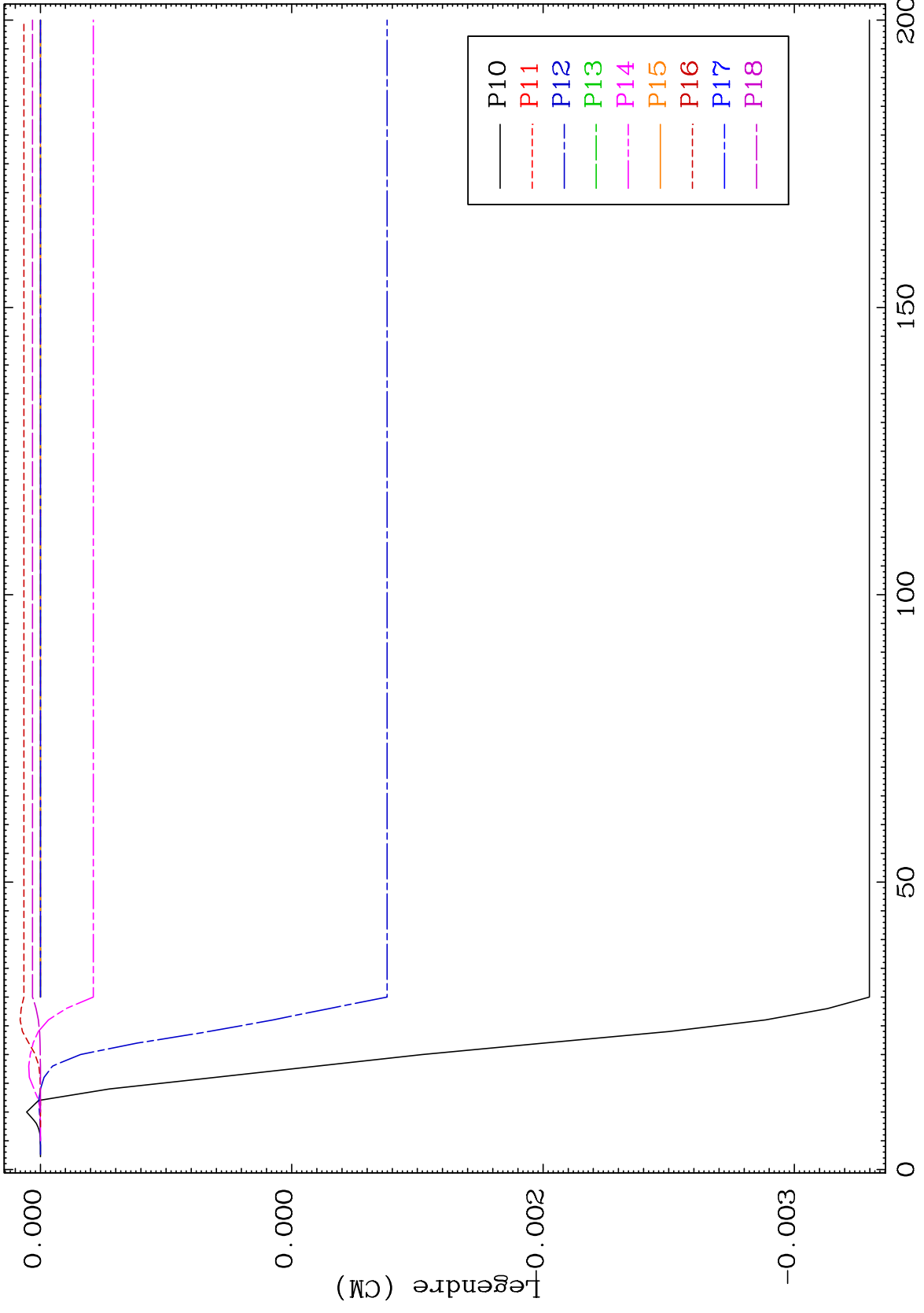
72 50-Sn-117

MAT 5040 MT= 68 (n,n') Level Legendre Coefficients 50-Sn-117



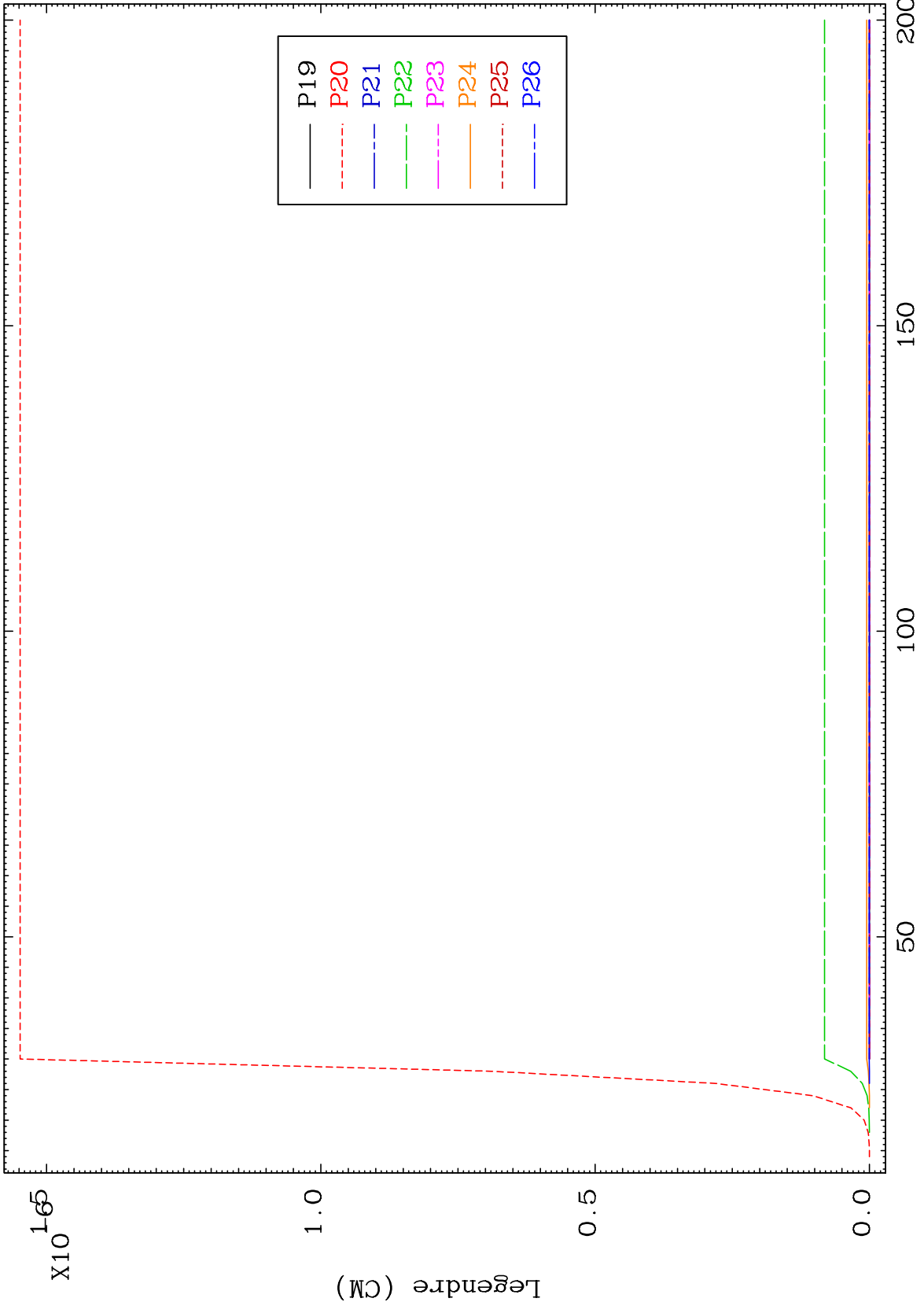
73 50-Sn-117

MAT 5040 MT= 68 (n,n') Level Legendre Coefficients 50-Sn-117



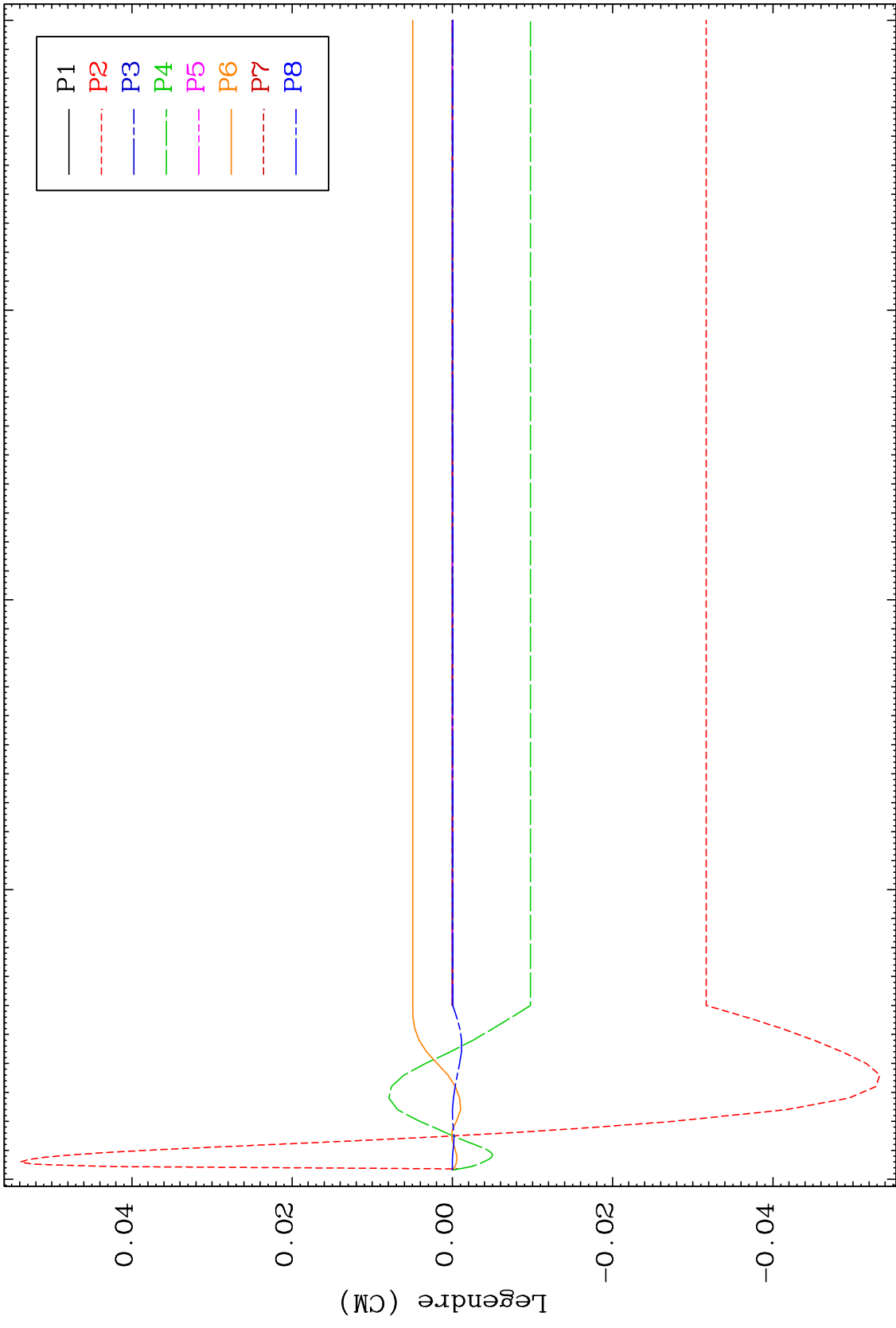
74 50-Sn-117

MAT 5040 MT= 68 (n,n') Level Legendre Coefficients 50-Sn-117



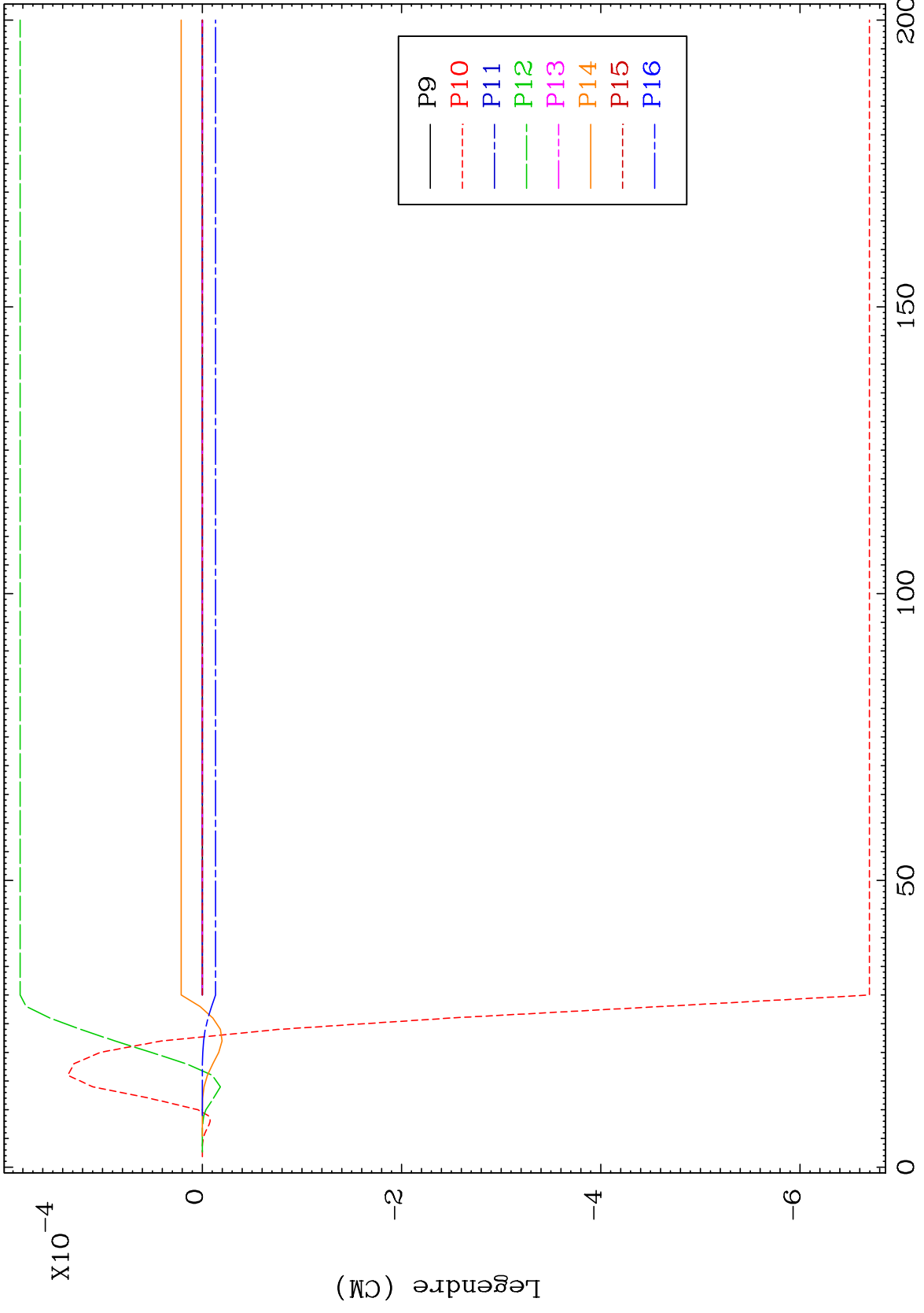
75 50 100 150 200 Incident Energy (MeV) 50-Sn-117

MAT 5040 MT= 69 (n,n') Level Legendre Coefficients 50-Sn-117

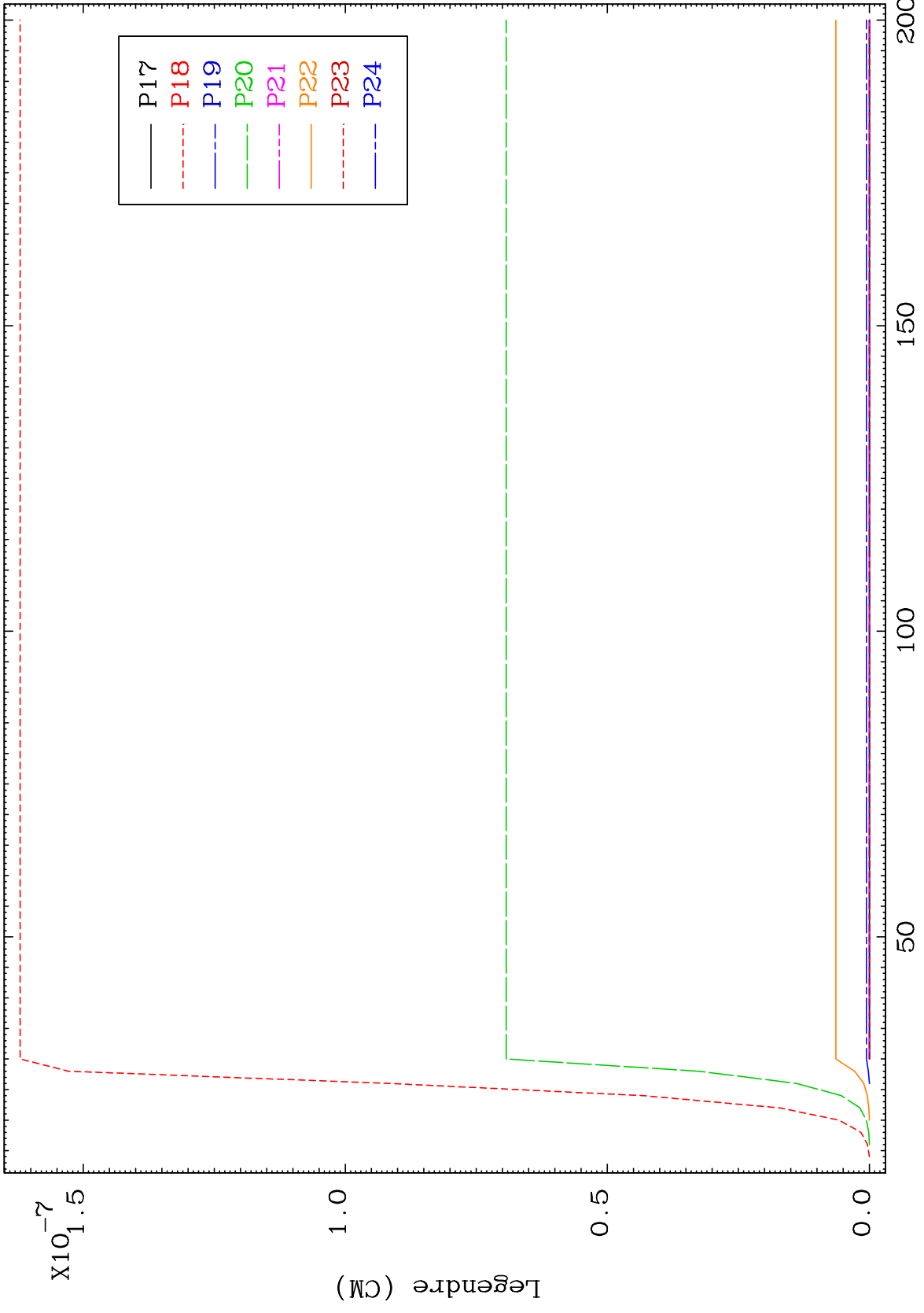


76 Incident Energy (MeV) 50-Sn-117

MAT 5040 MT= 69 (n,n') Level Legendre Coefficients 50-Sn-117

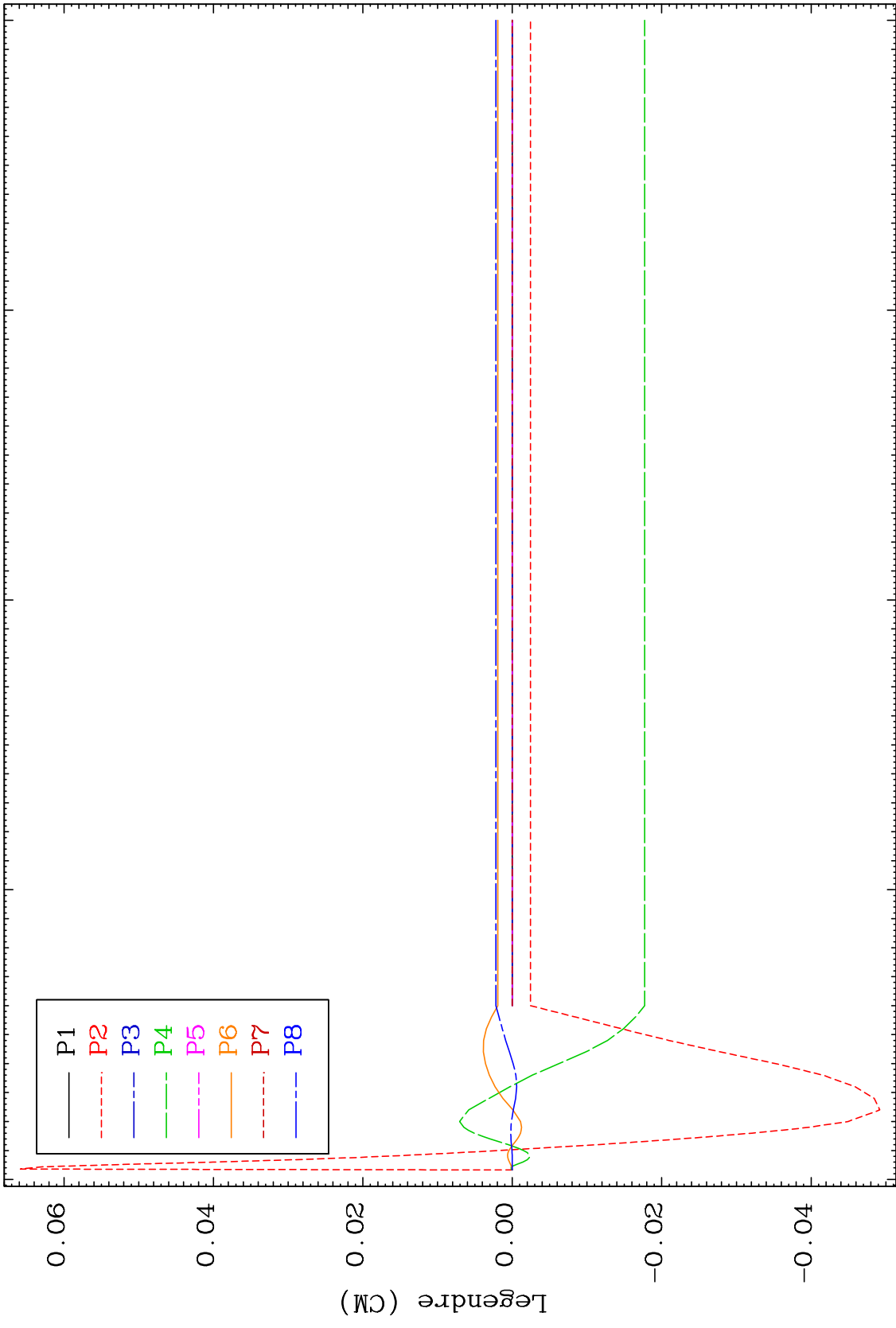


MAT 5040 MT= 69 (n,n') Level Legendre Coefficients 50-Sn-117



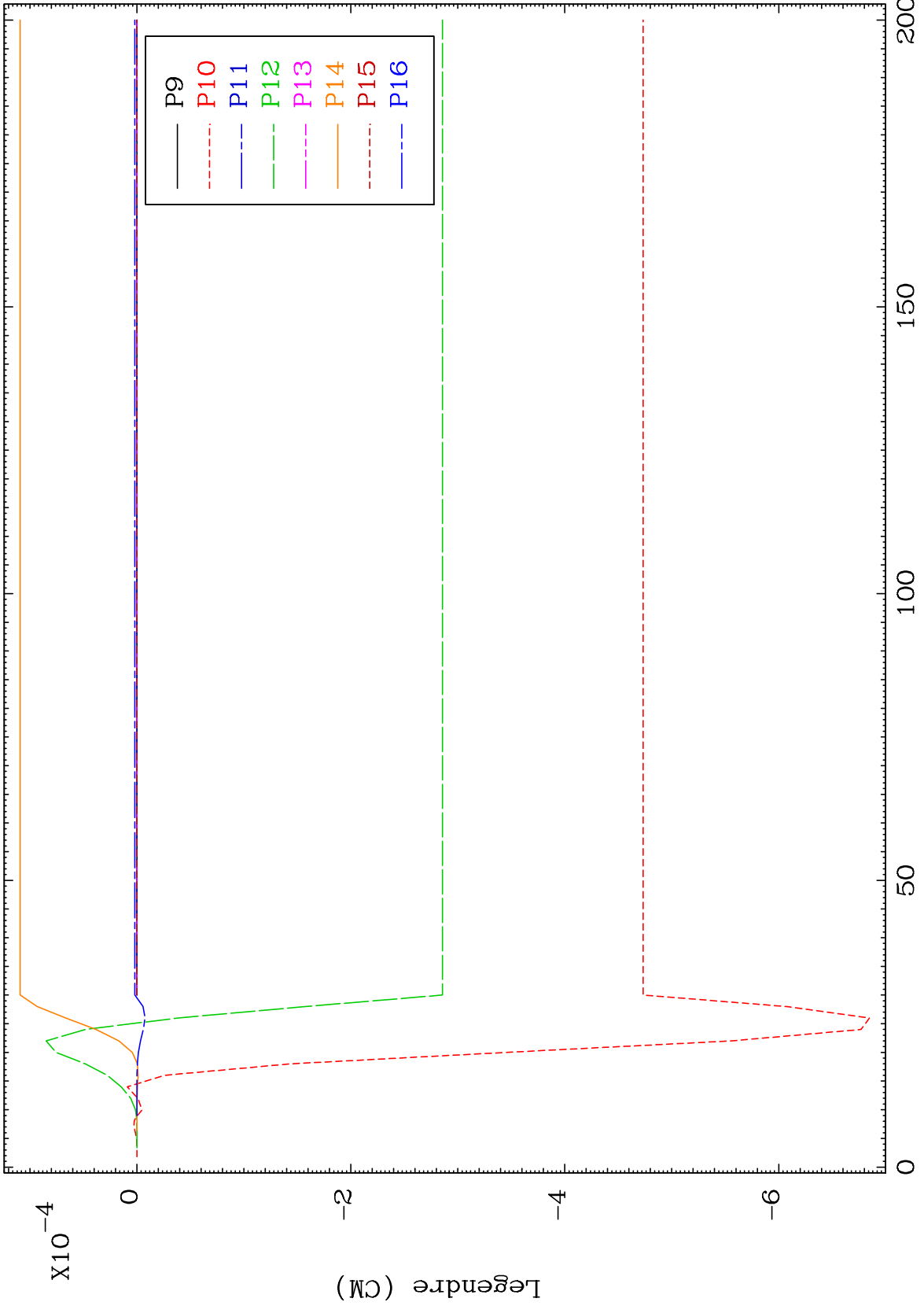
78 50-Sn-117

MAT 5040 MT= 70 (n,n') Level Legendre Coefficients 50-Sn-117



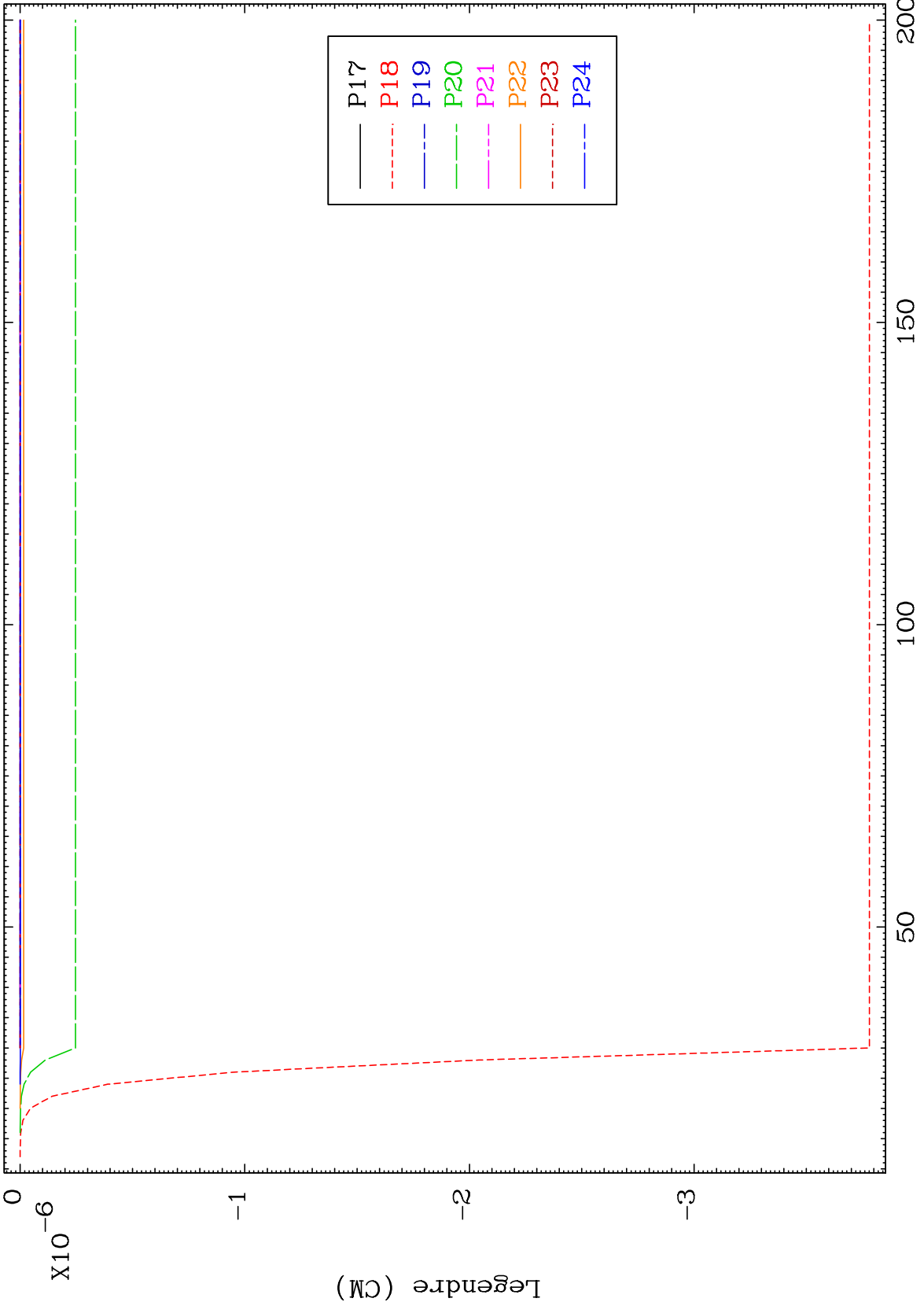
79 Incident Energy (MeV) 50-Sn-117

MAT 5040 MT= 70 (n,n') Level Legendre Coefficients 50-Sn-117



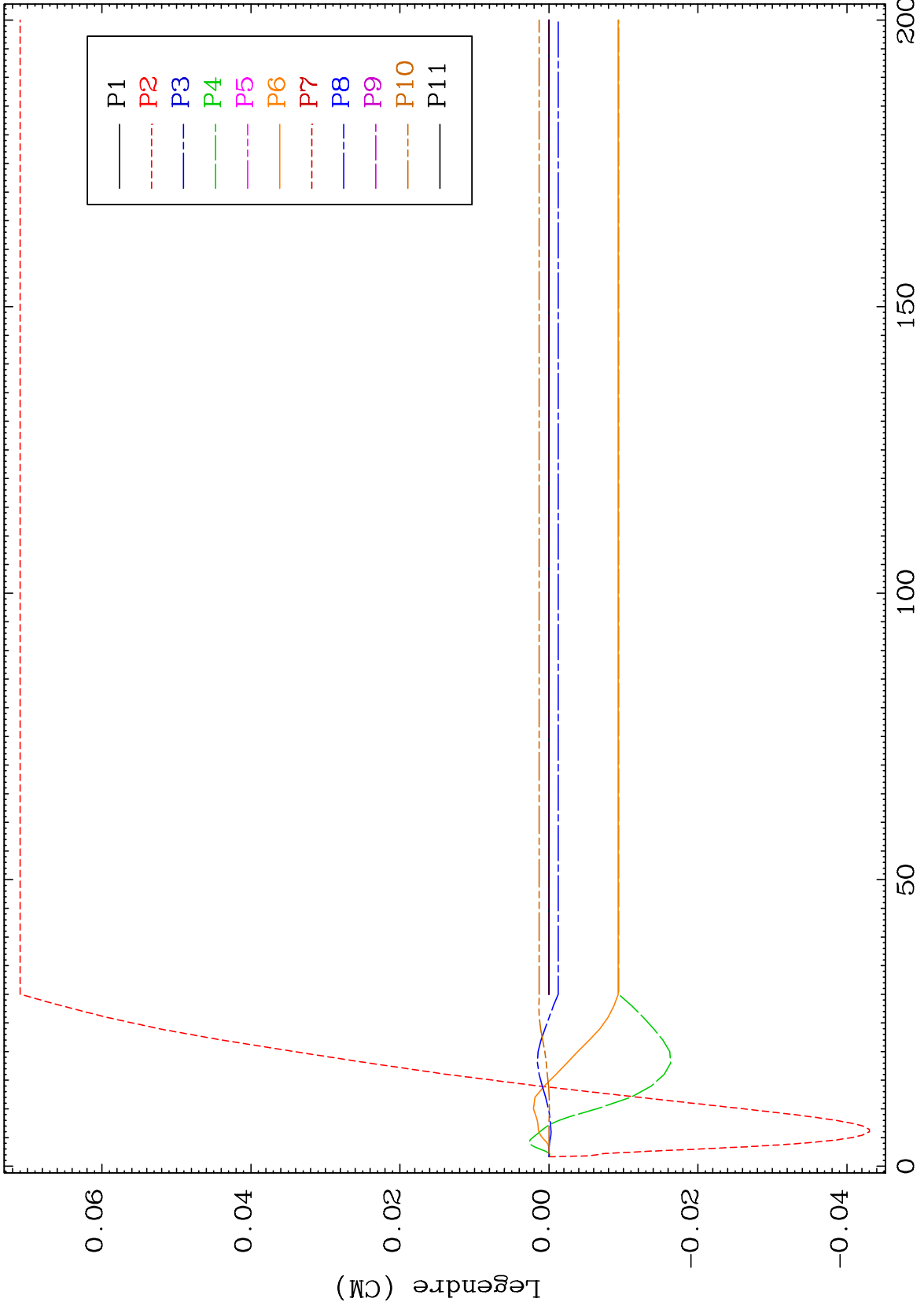
50-Sn-117

MAT 5040 MT= 70 (n,n') Level Legendre Coefficients 50-Sn-117



81 50-Sn-117

MAT 5040 MT= 71 (n,n') Level Legendre Coefficients 50-Sn-117

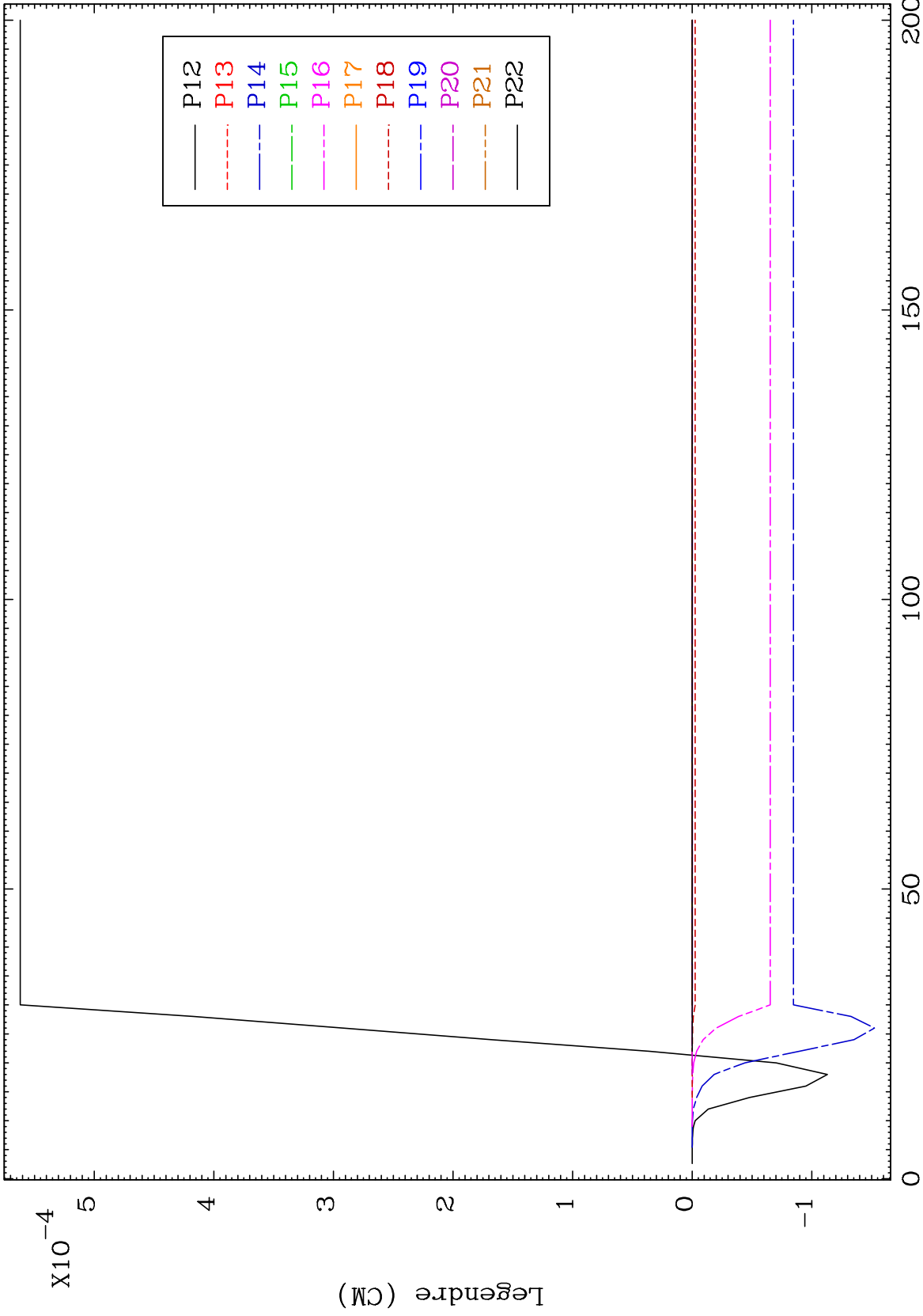


82 Incident Energy (MeV) 50-Sn-117

MAT 5040

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

50-Sn-117

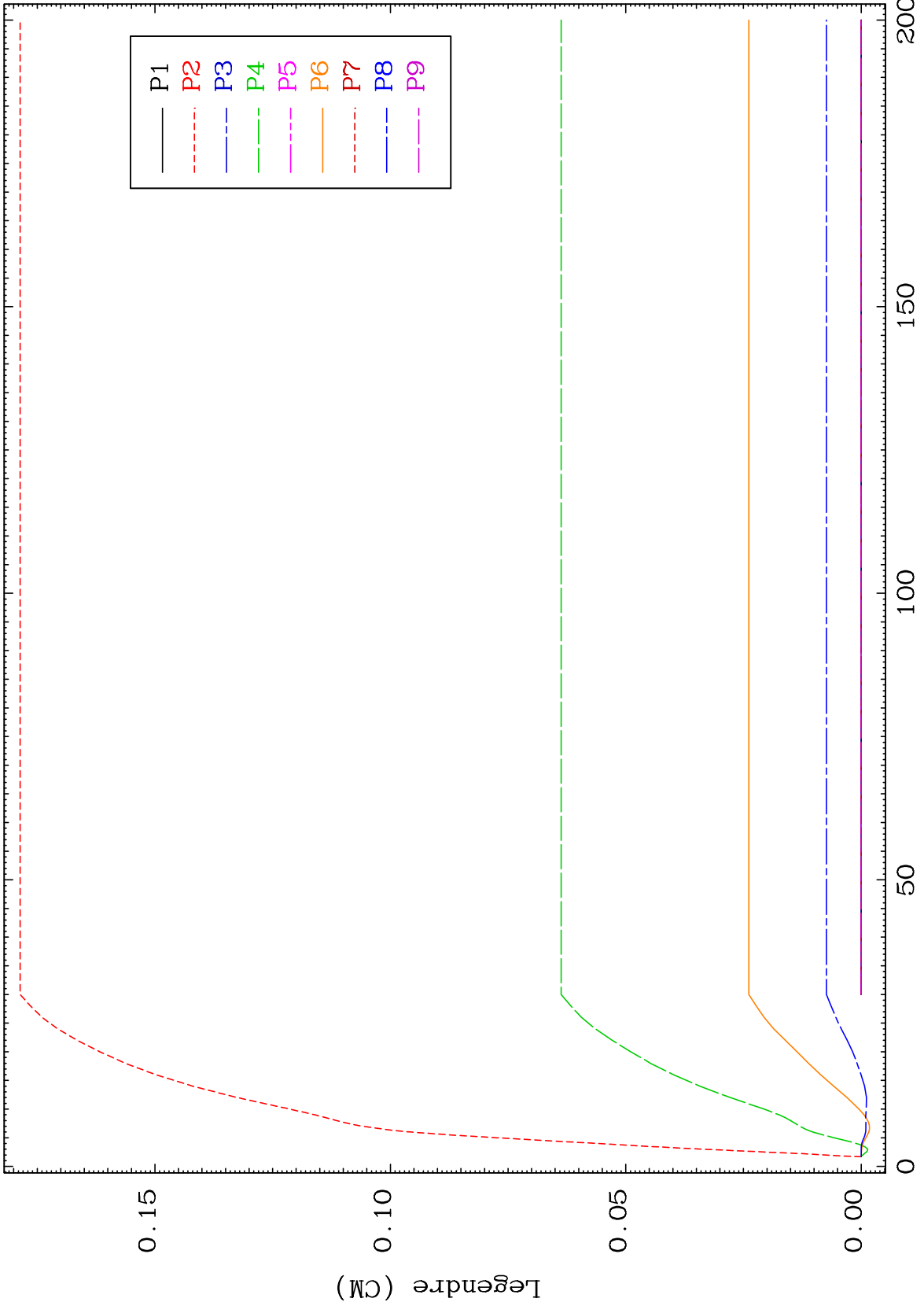


83

Incident Energy (MeV)

50-Sn-117

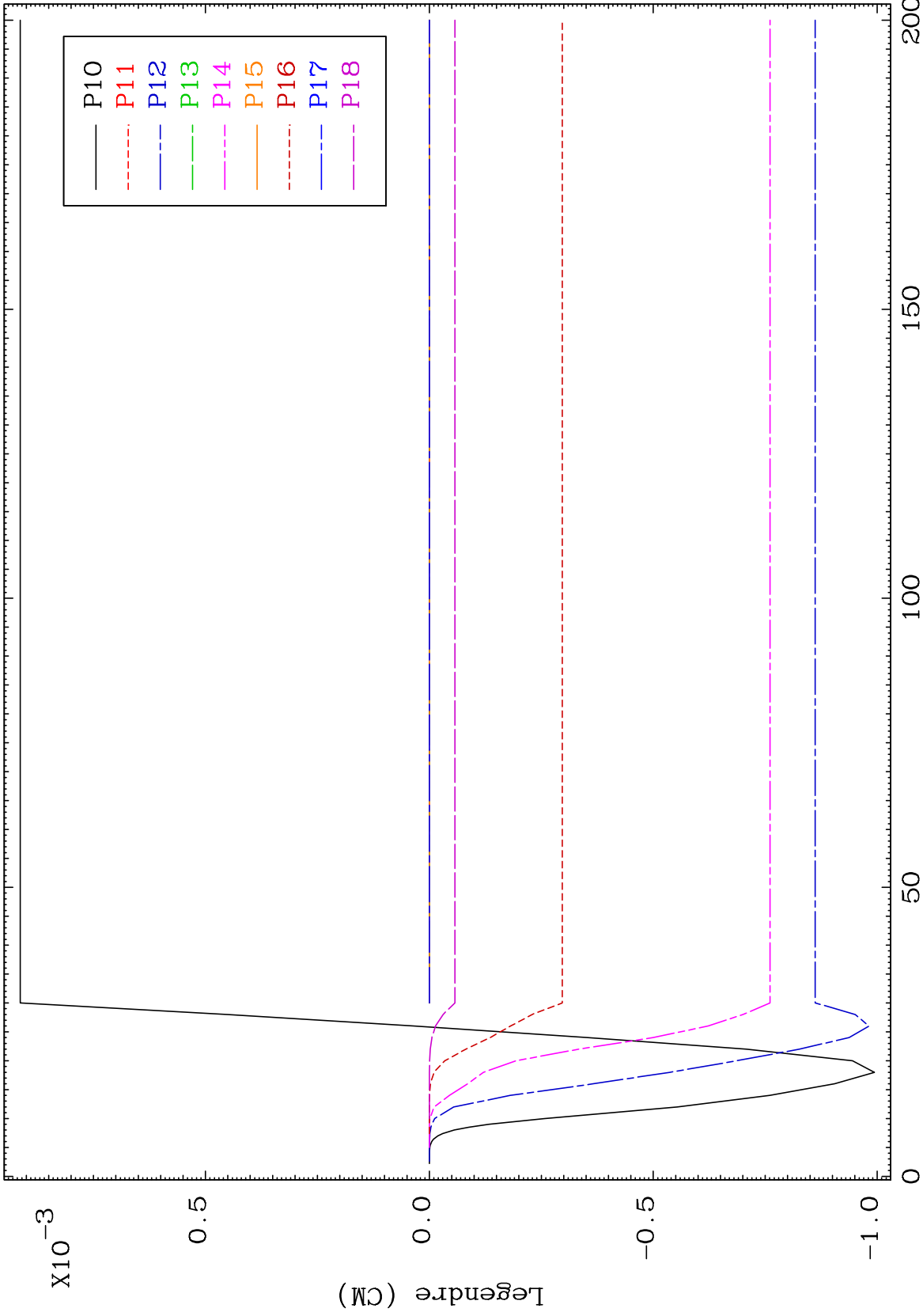
MAT 5040 MT= 72 (n,n') Level Legendre Coefficients 50-Sn-117



MAT 5040

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

50-Sn-117



85

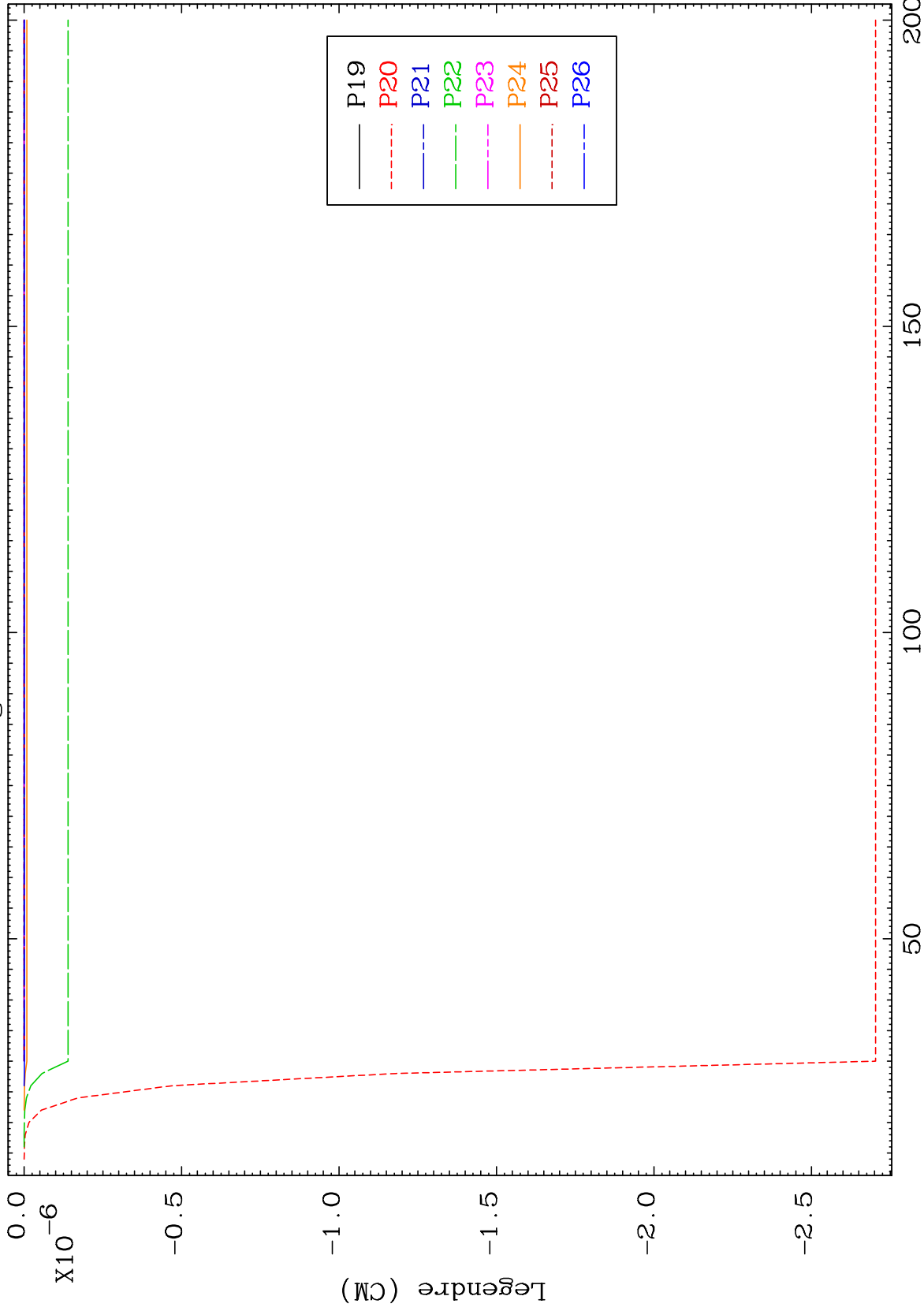
Incident Energy (MeV)

50-Sn-117

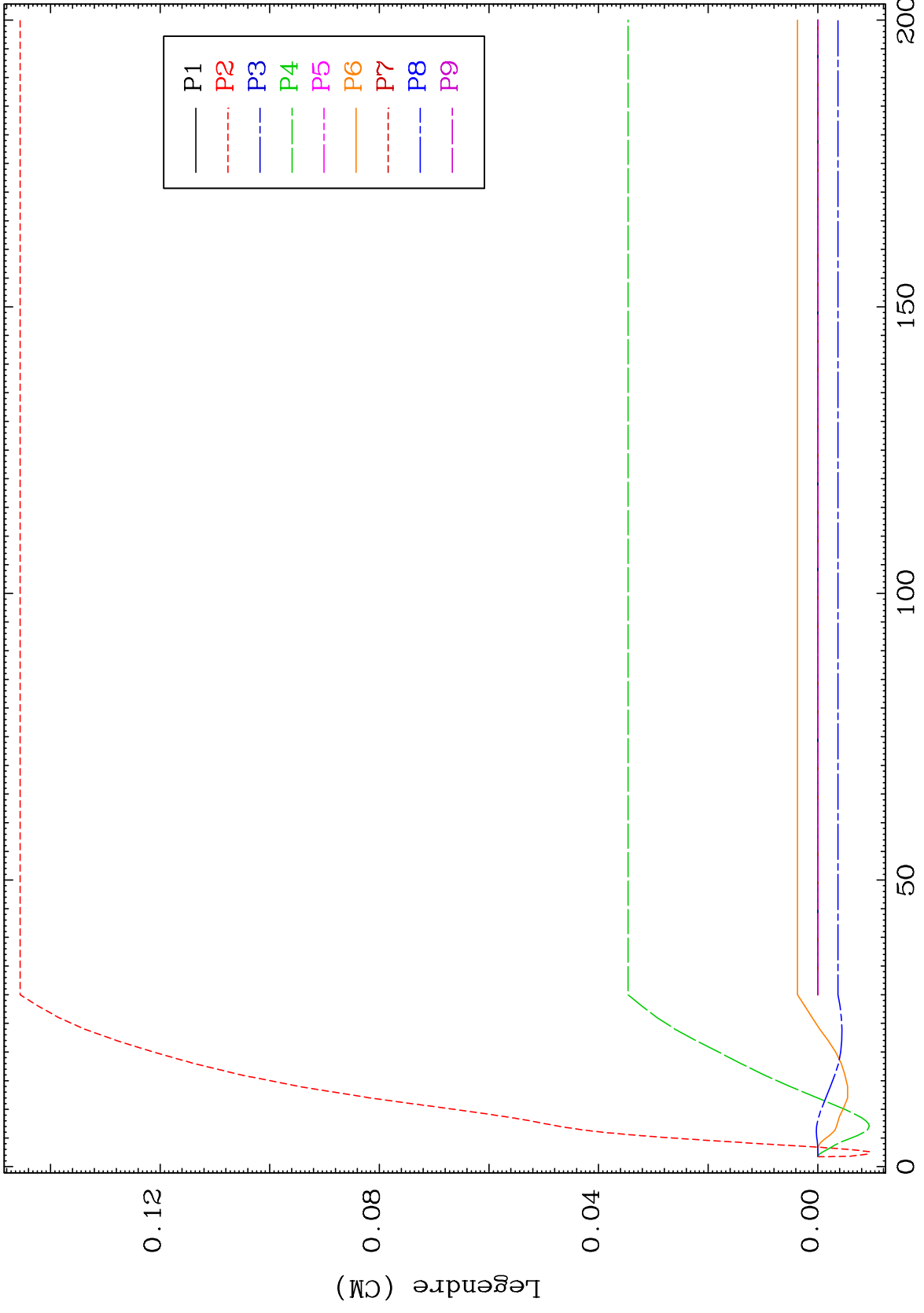
MAT 5040 MT= 72 (n,n') Level

50-Sn-117

Legendre Coefficients

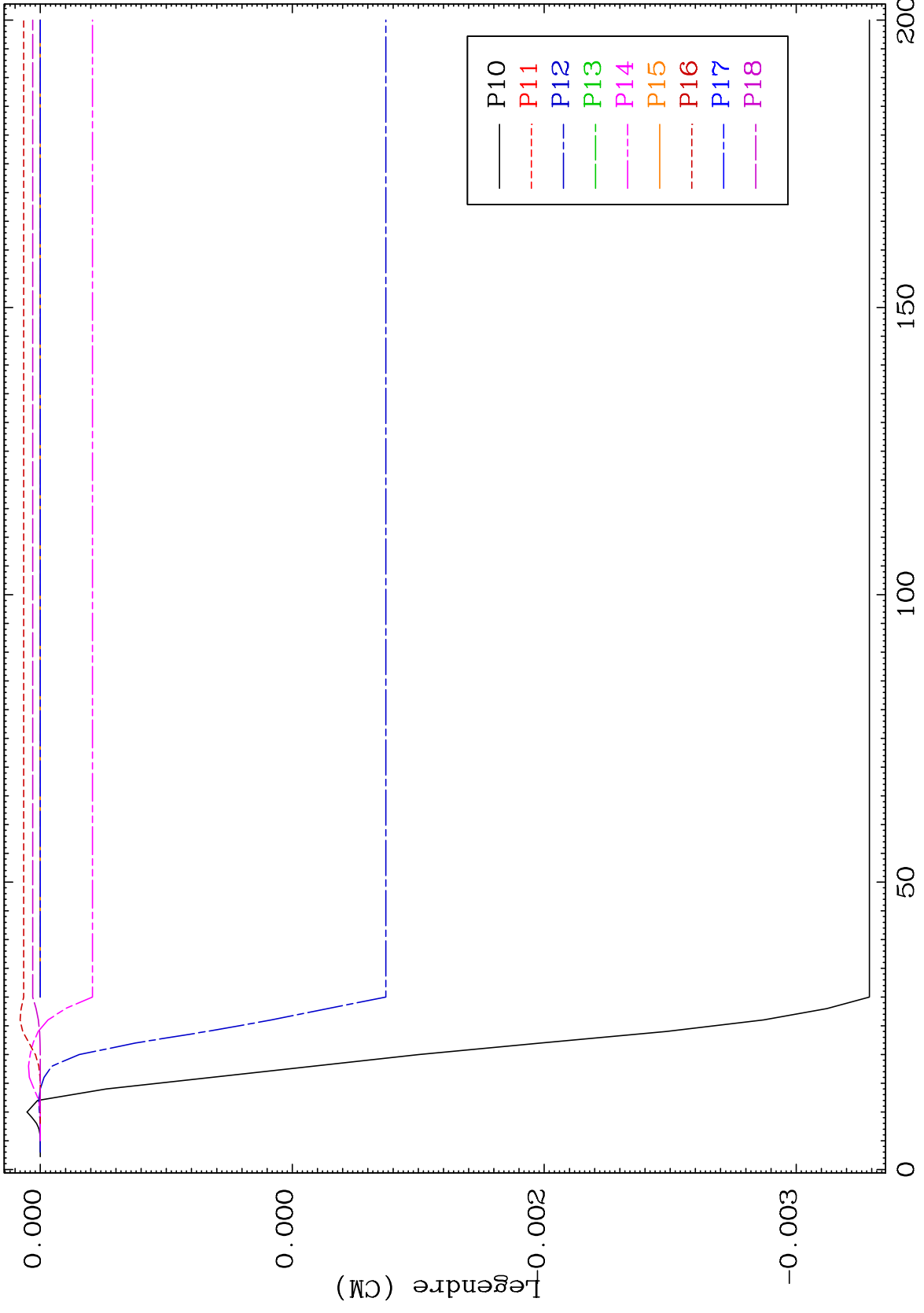


MAT 5040 MT= 73 (n,n') Level Legendre Coefficients 50-Sn-117



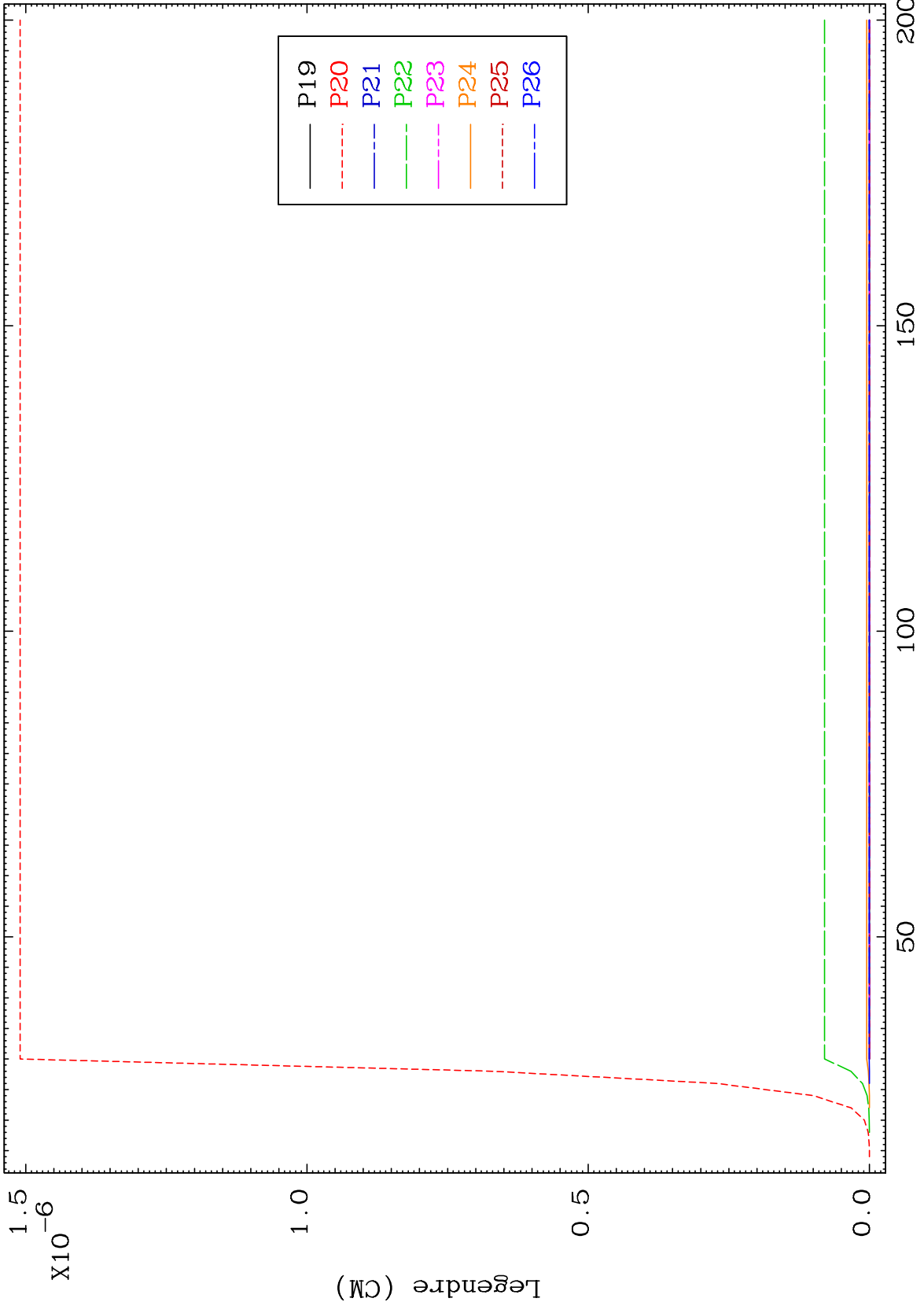
87 50-Sn-117

MAT 5040 MT= 73 (n,n') Level Legendre Coefficients 50-Sn-117



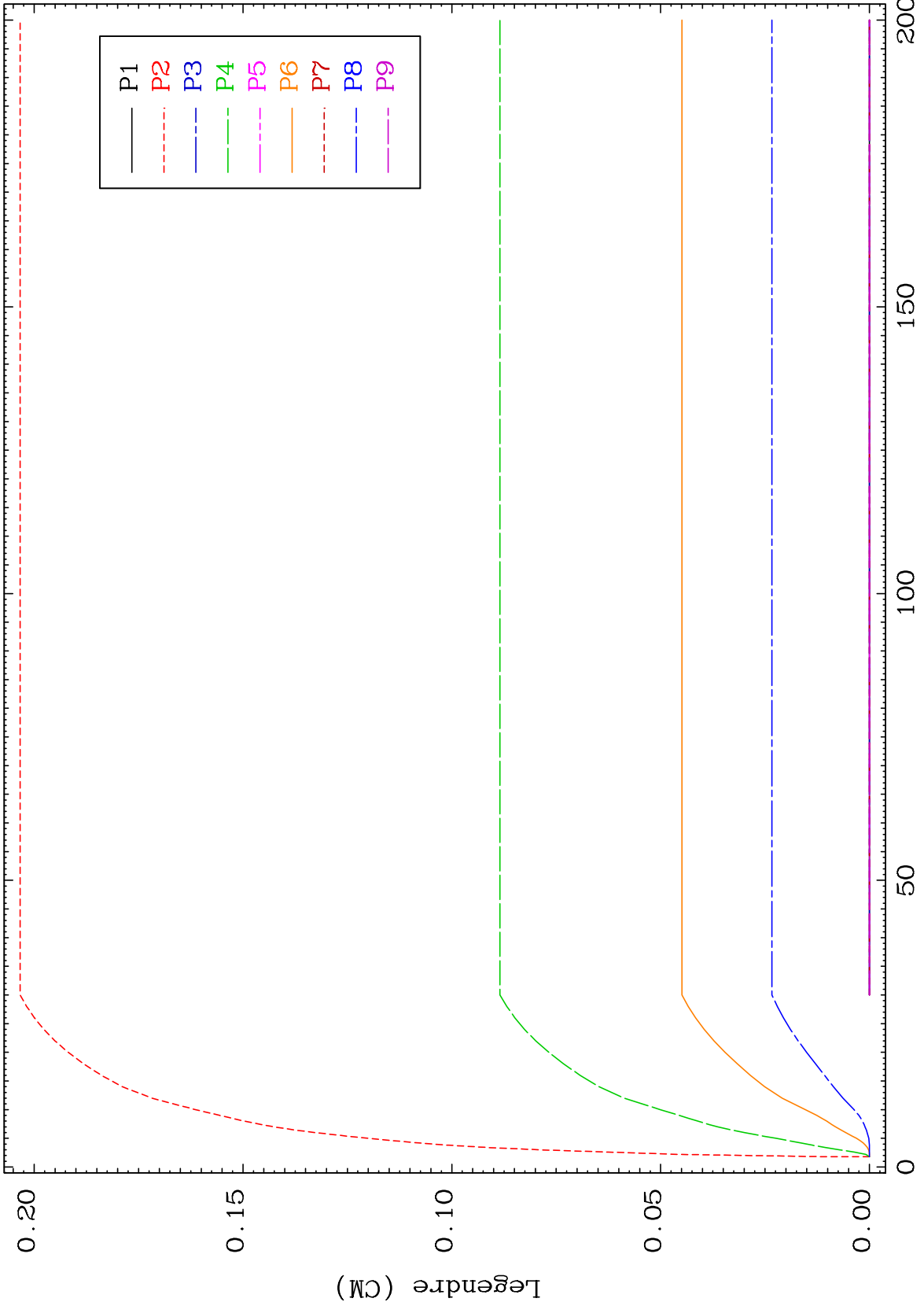
88 Incident Energy (MeV) 50-Sn-117

MAT 5040 MT= 73 (n,n') Level Legendre Coefficients 50-Sn-117



89 Incident Energy (MeV) 50-Sn-117

MAT 5040 MT= 74 (n,n') Level Legendre Coefficients 50-Sn-117

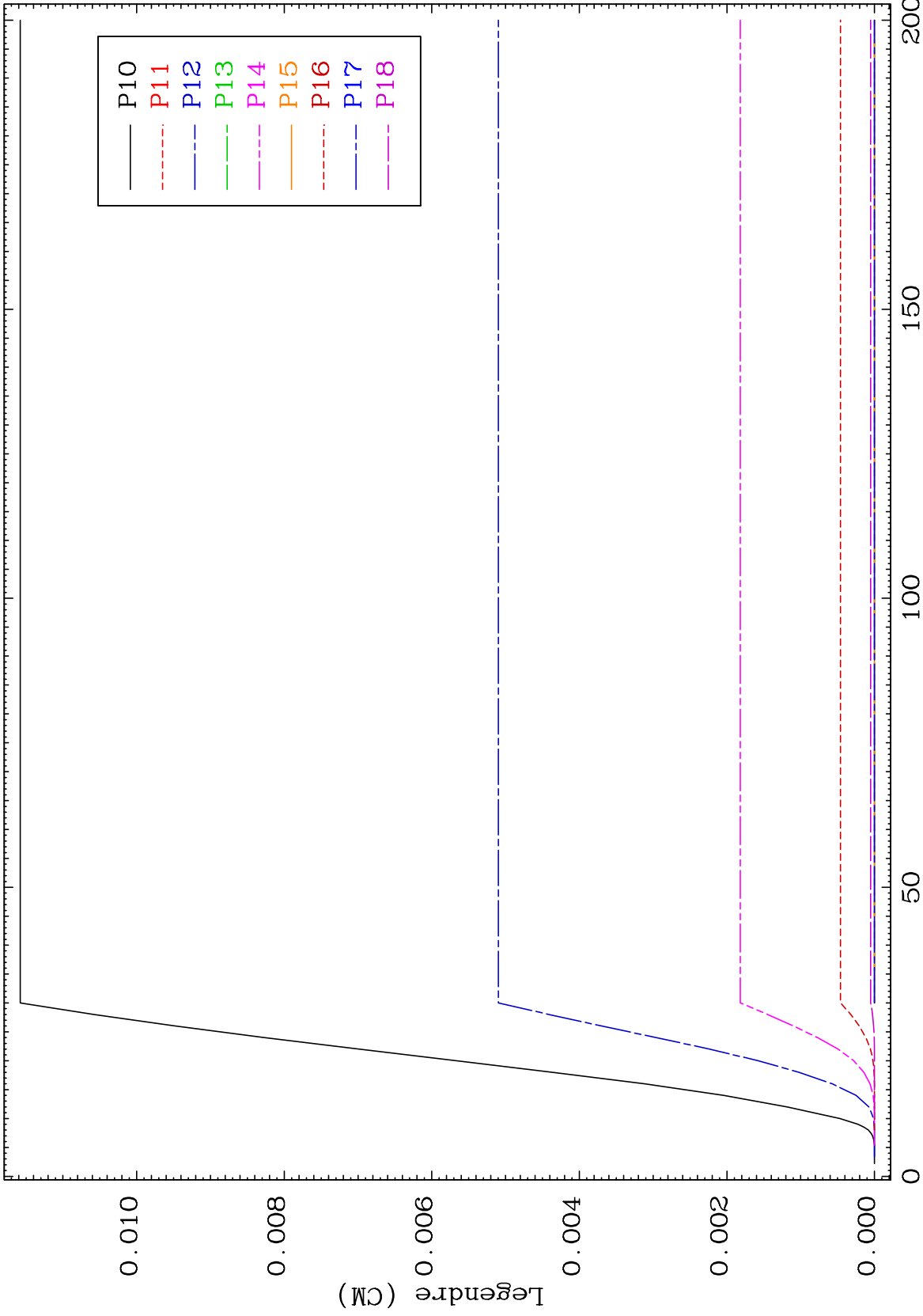


Legendre (CM) Incident Energy (MeV) 50-Sn-117

MAT 5040

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

50-Sn-117



91

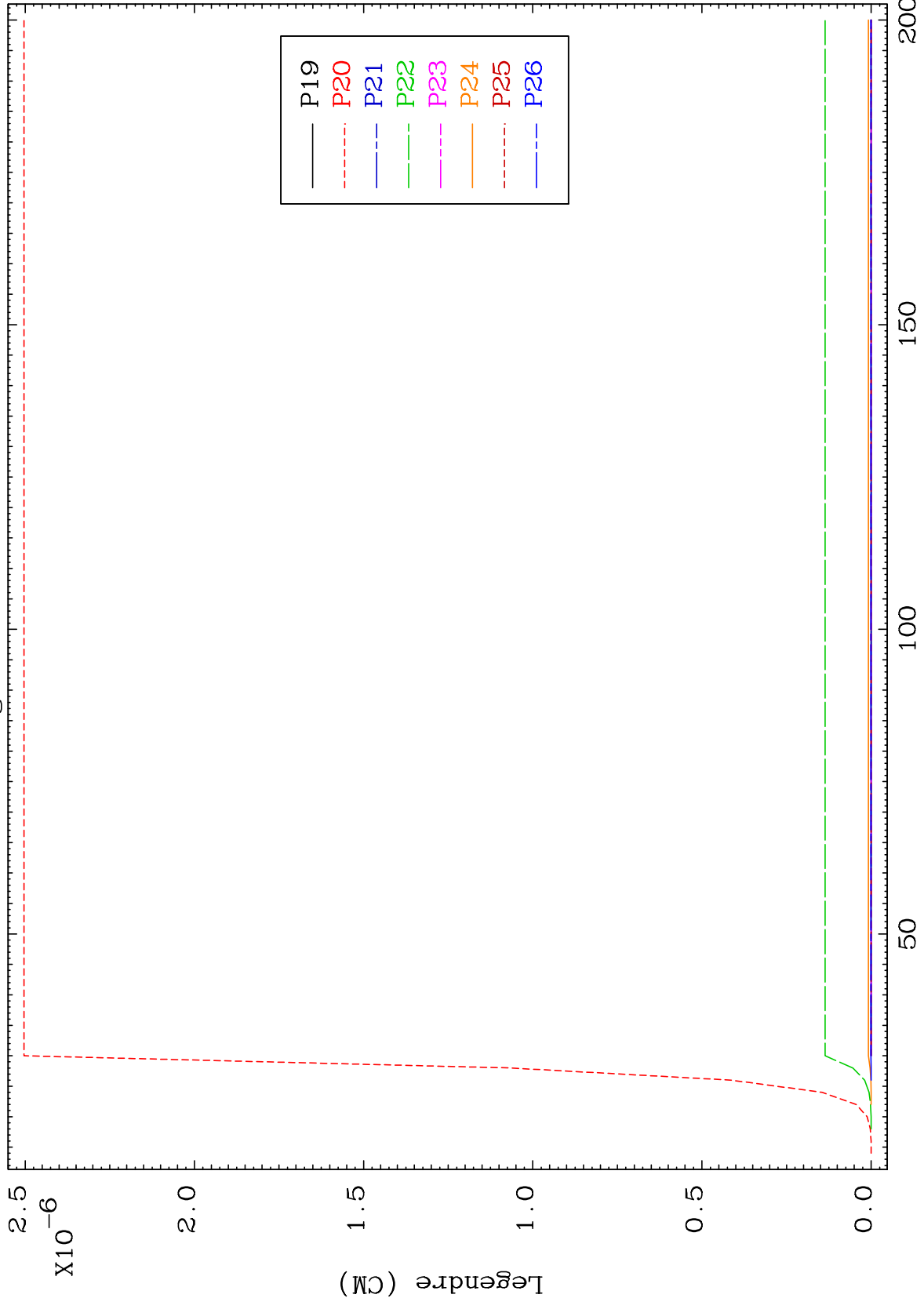
Incident Energy (MeV)

50-Sn-117

MAT 5040

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

50-Sn-117

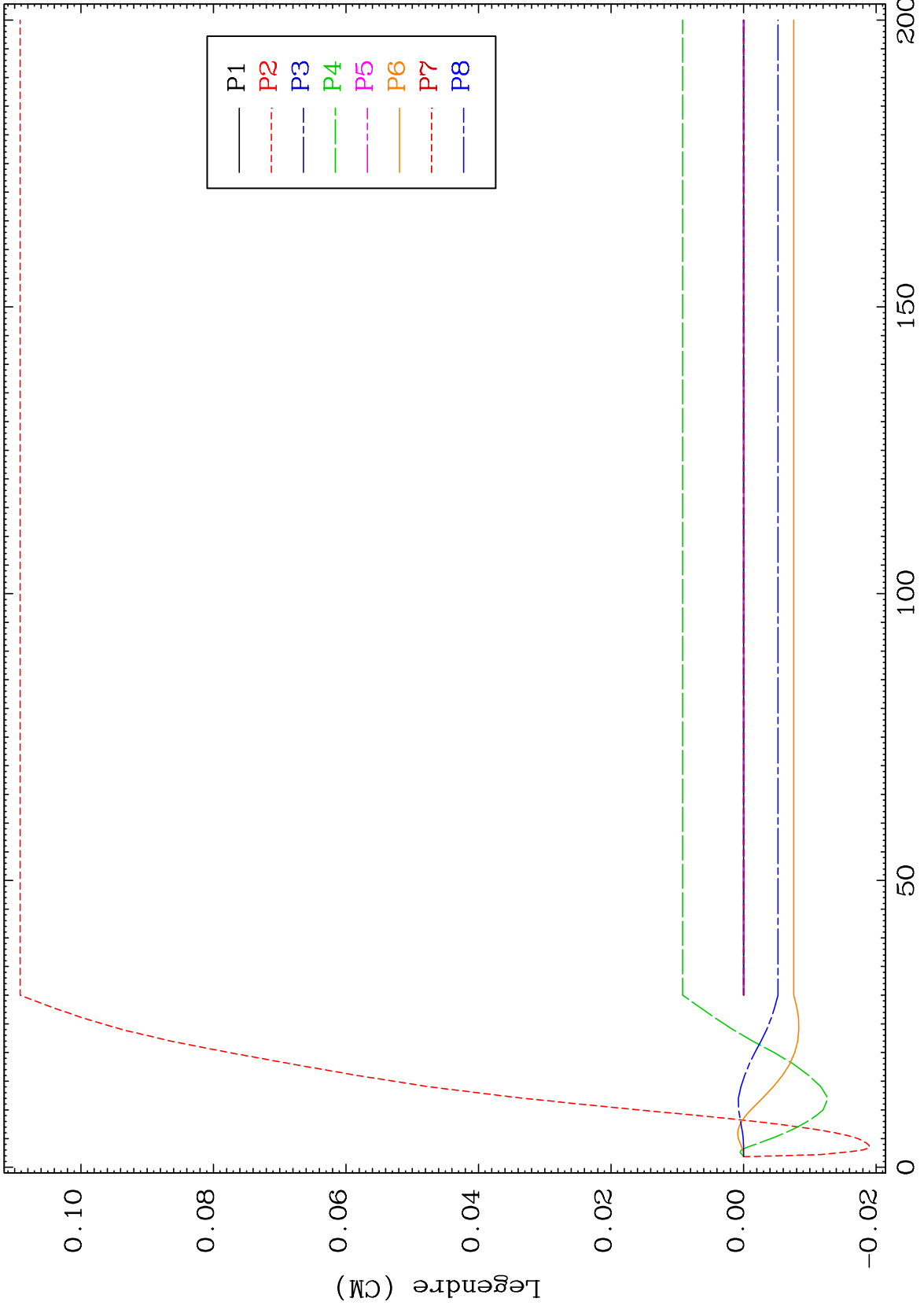


50-Sn-117

Incident Energy (MeV)

92

MAT 5040 MT= 75 (n,n') Level Legendre Coefficients 50-Sn-117

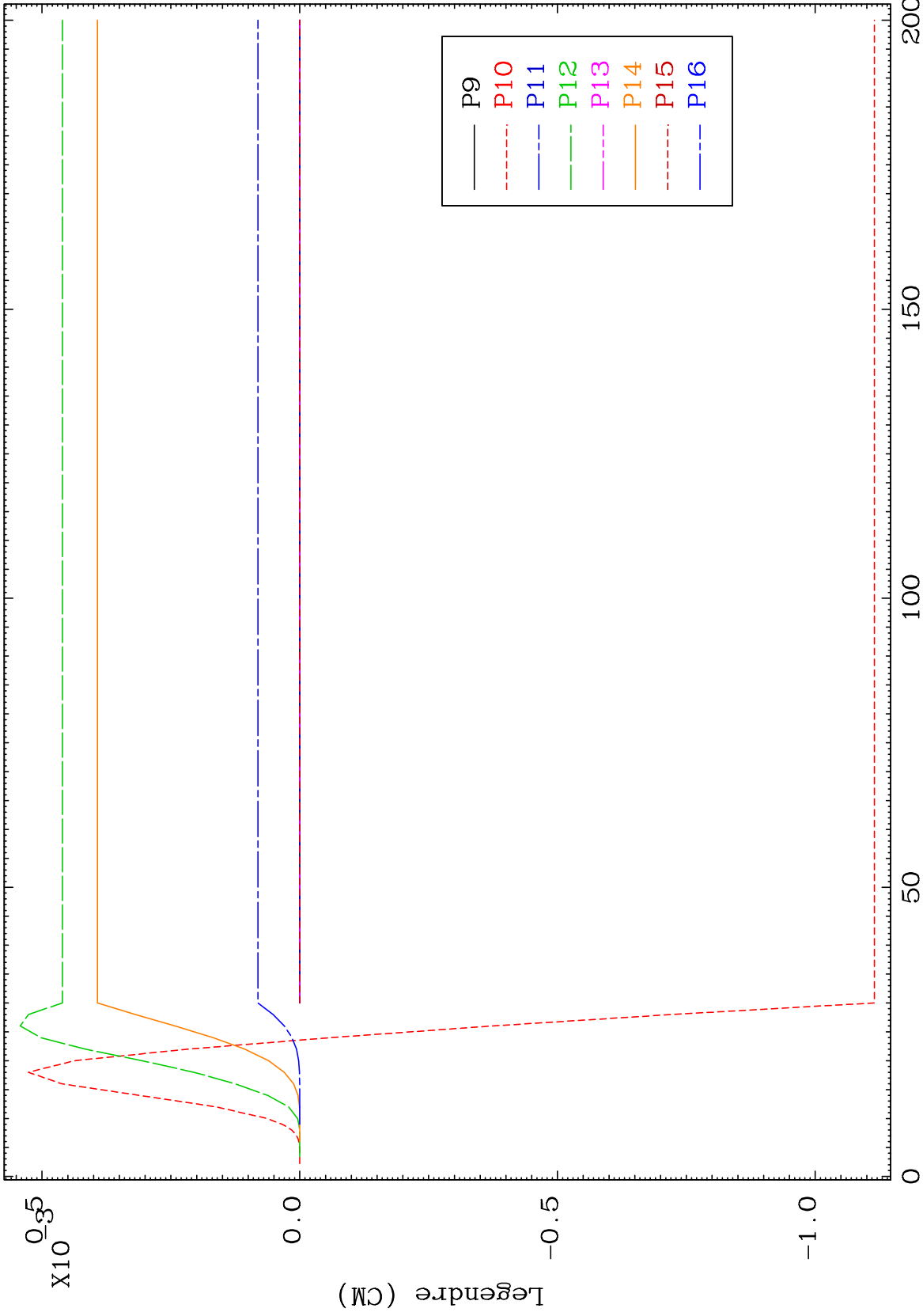


93 50-Sn-117

MAT 5040

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

50-Sn-117

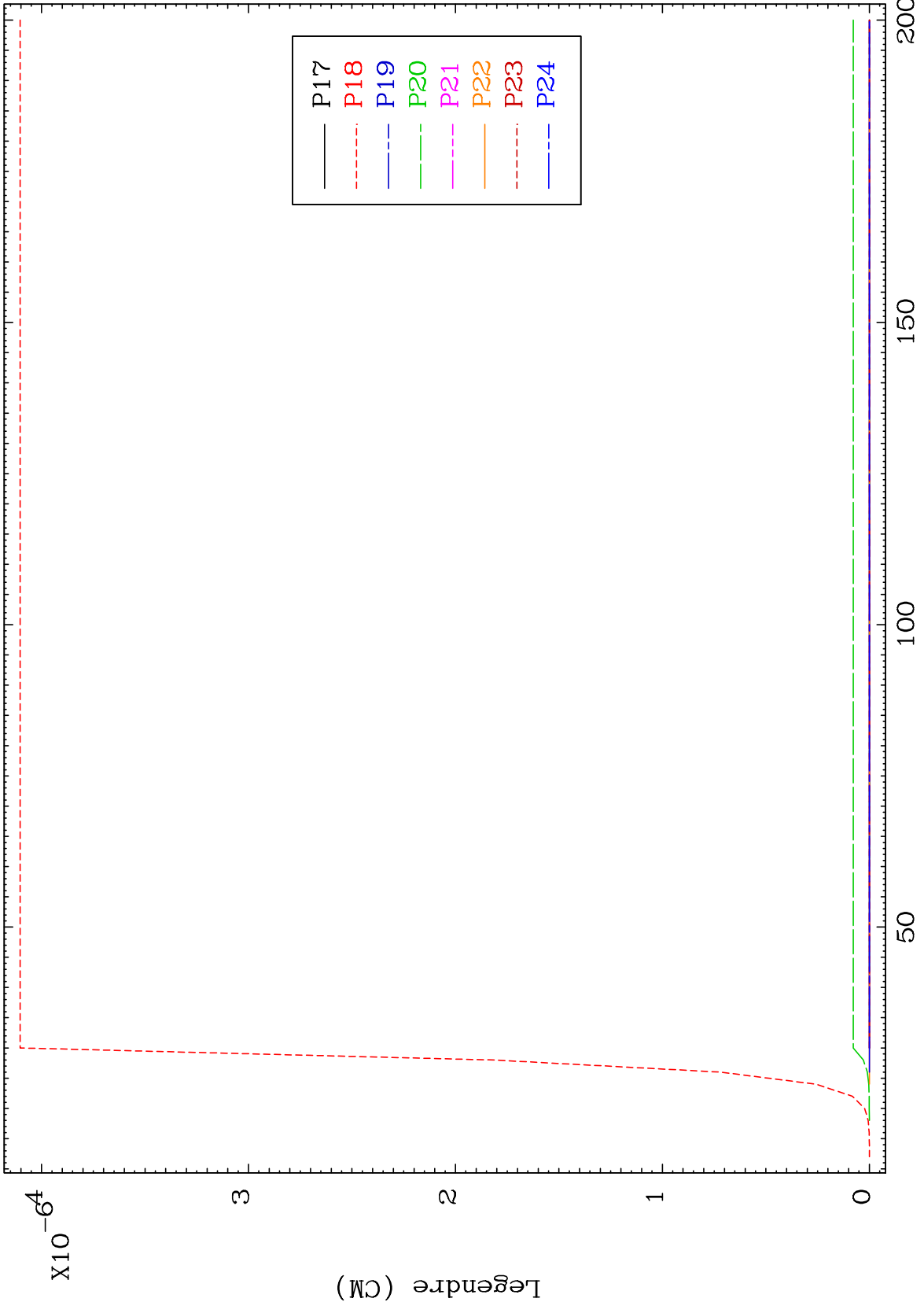


94

Incident Energy (MeV)

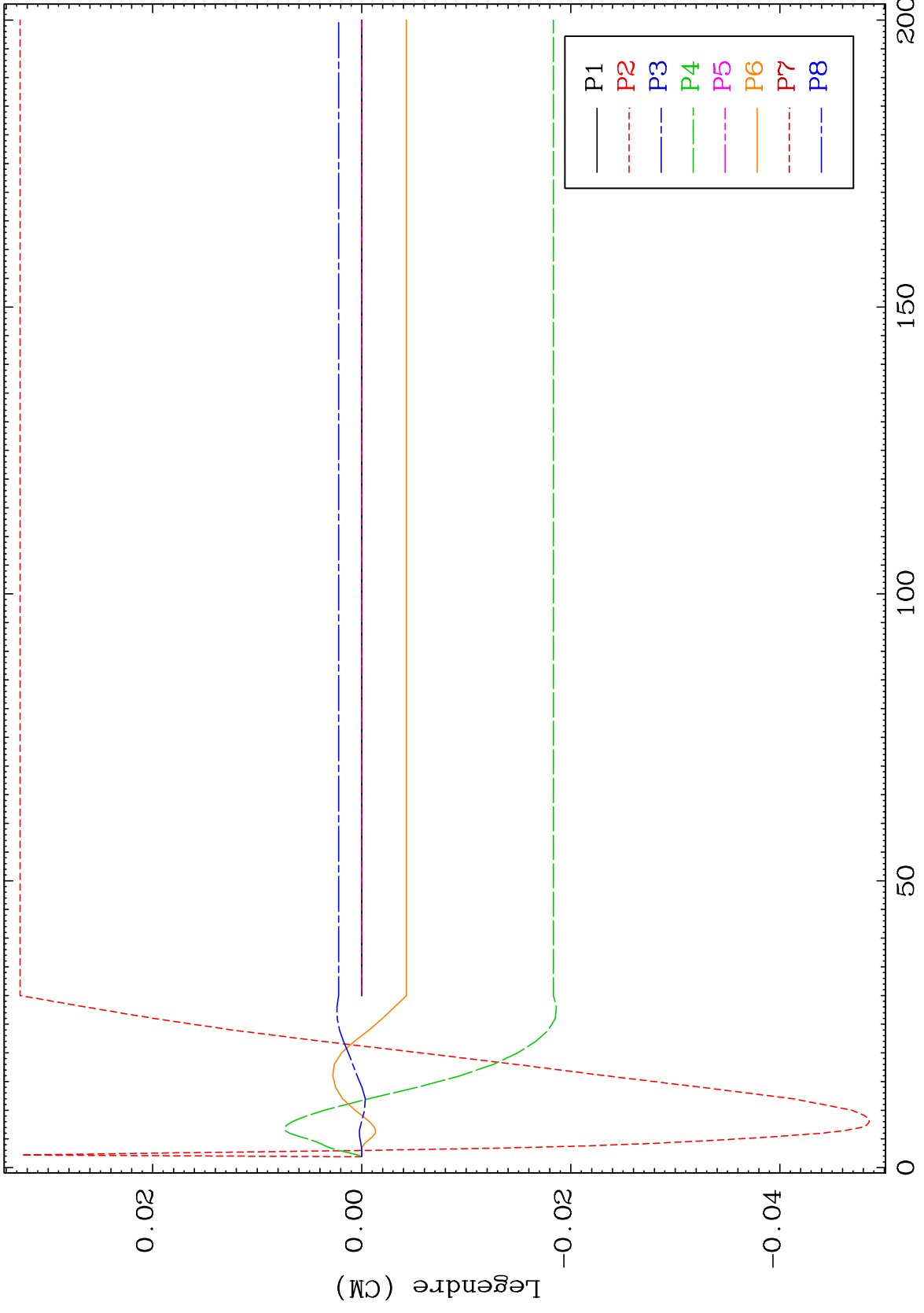
50-Sn-117

MAT 5040 MT= 75 (n,n') Level Legendre Coefficients 50-Sn-117



95 50 100 150 200 Incident Energy (MeV) 50-Sn-117

MAT 5040 MT= 76 (n,n') Level Legendre Coefficients 50-Sn-117

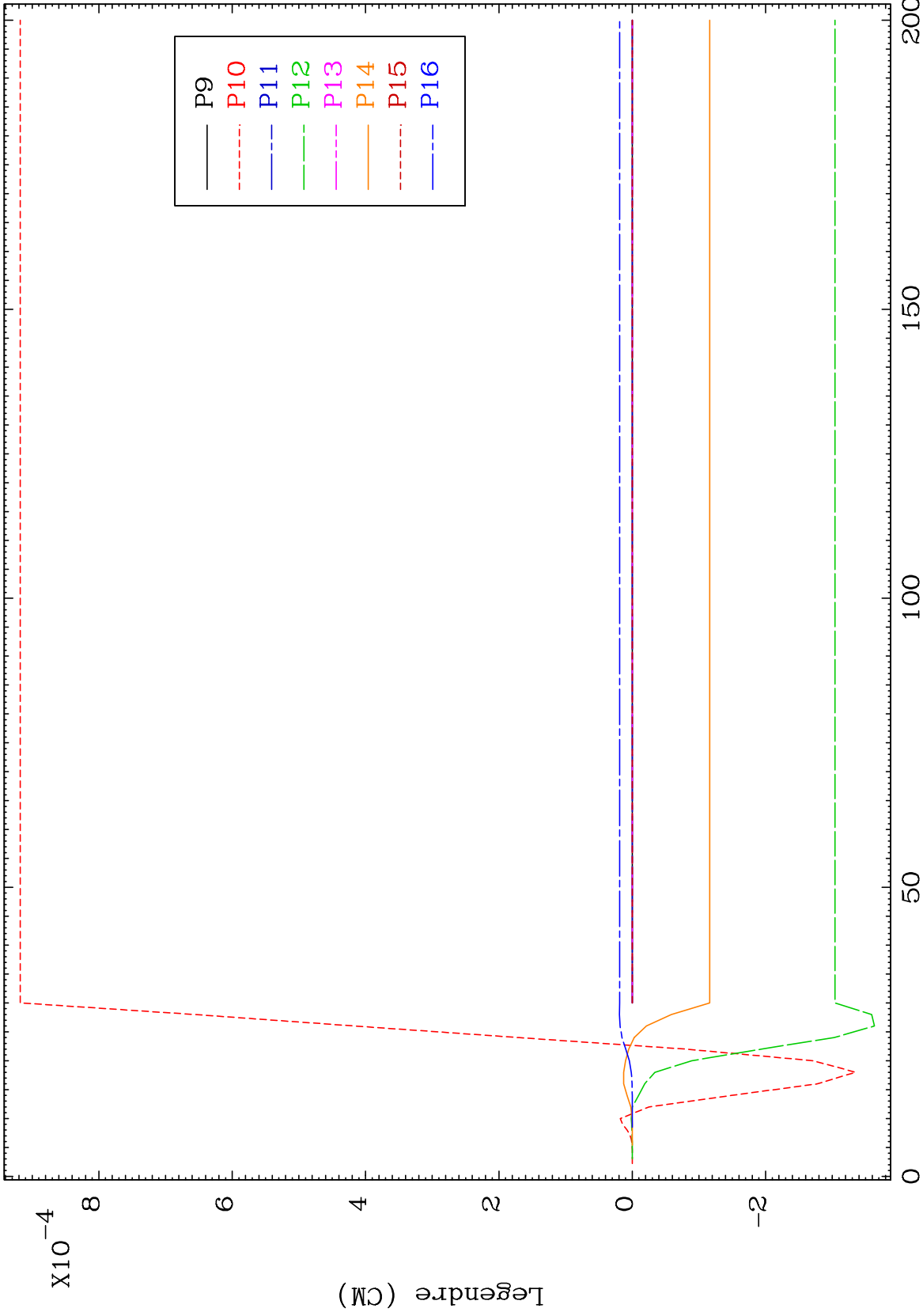


96 Incident Energy (MeV) 50-Sn-117

MAT 5040

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

50-Sn-117

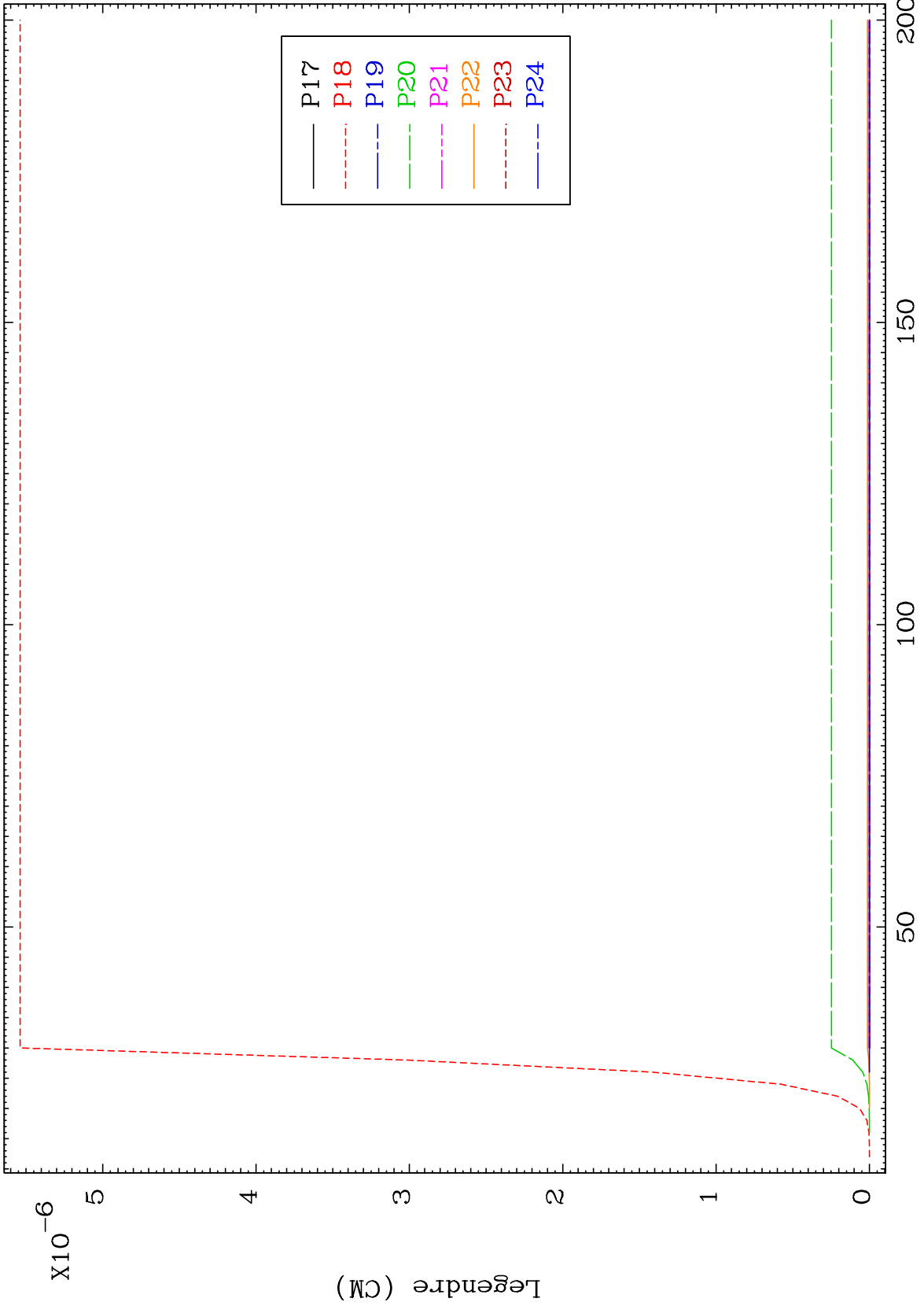


97

Incident Energy (MeV)

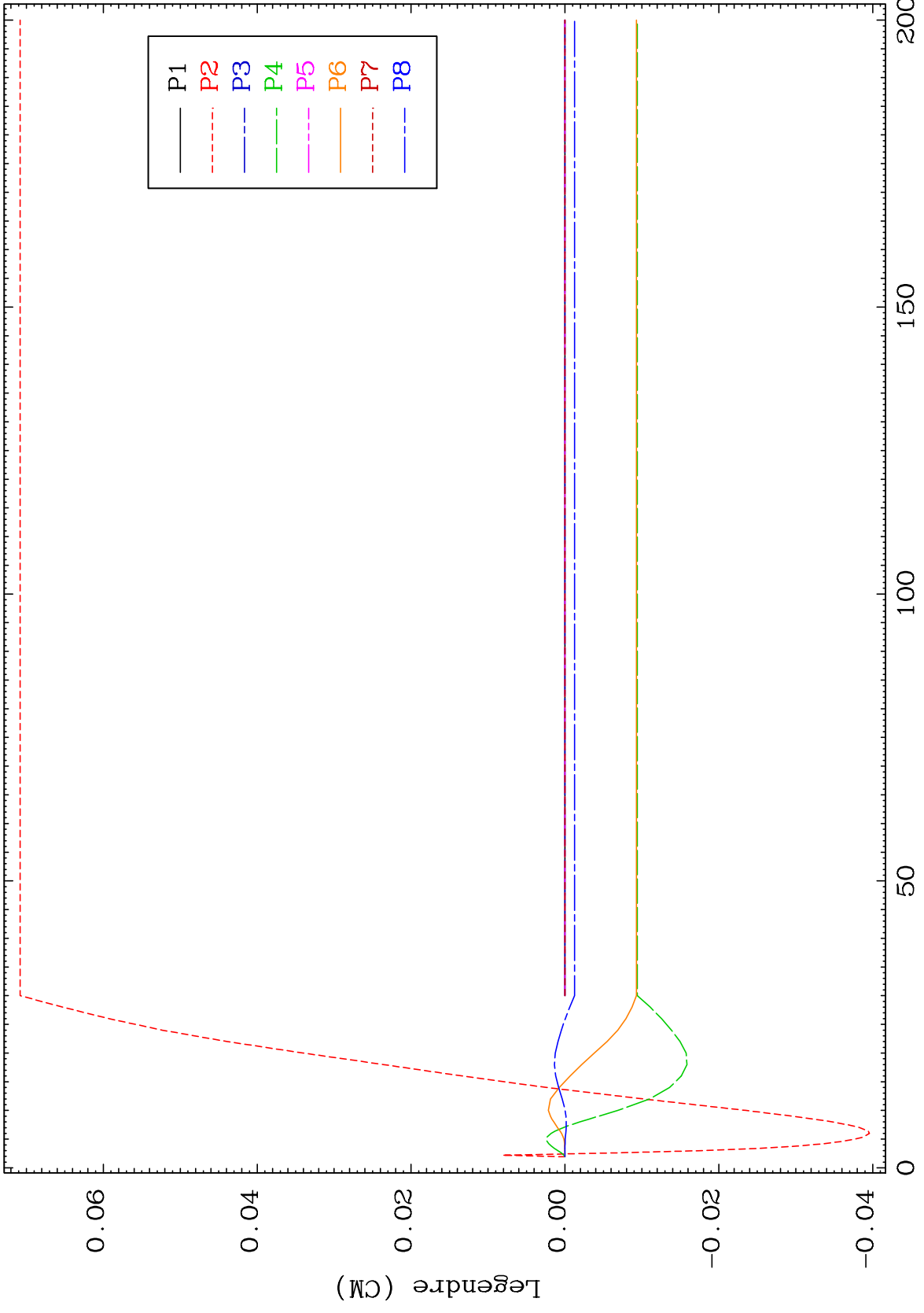
50-Sn-117

MAT 5040 MT= 76 (n,n') Level Legendre Coefficients 50-Sn-117



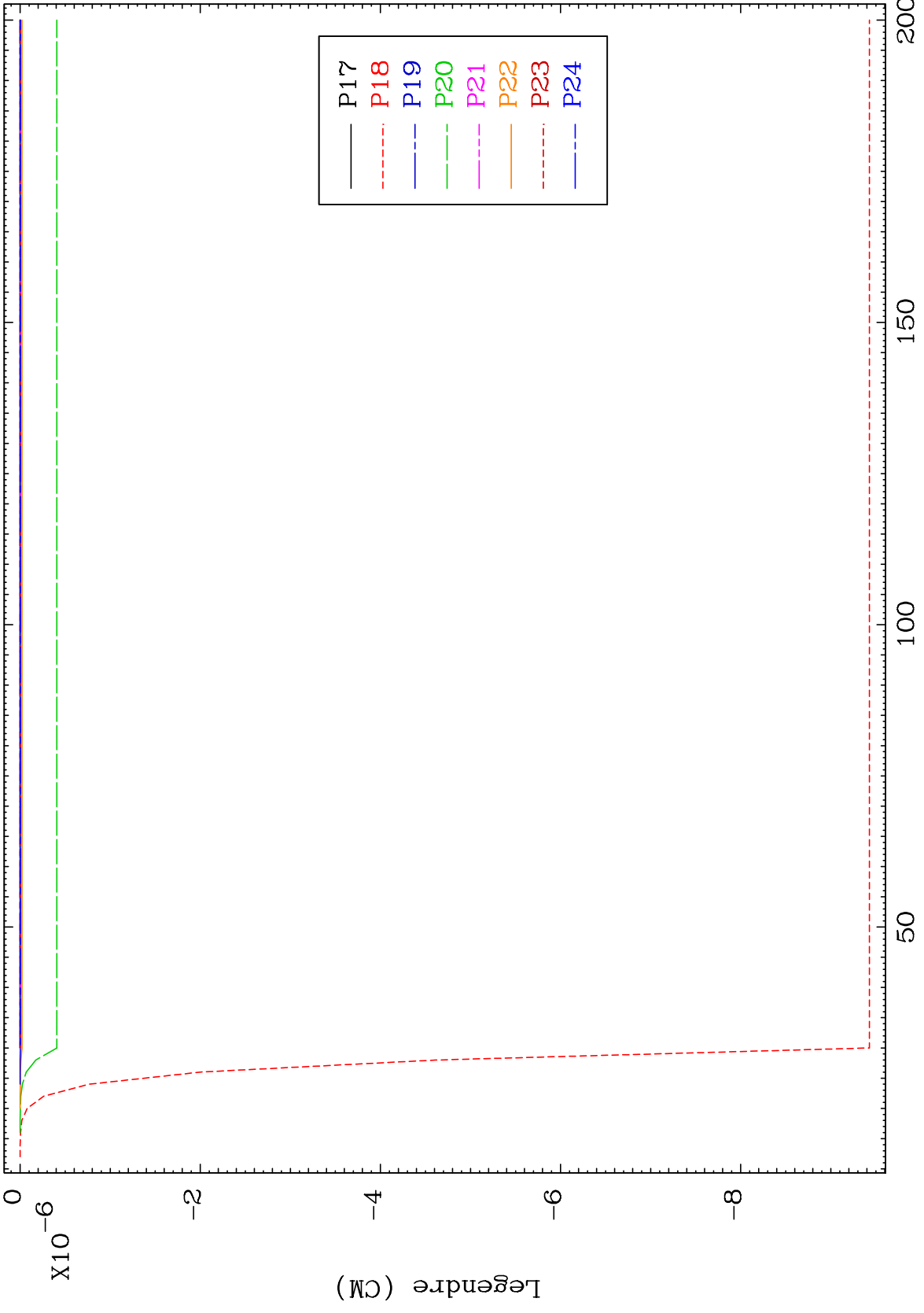
98 50-Sn-117

MAT 5040 MT= 77 (n,n') Level Legendre Coefficients 50-Sn-117



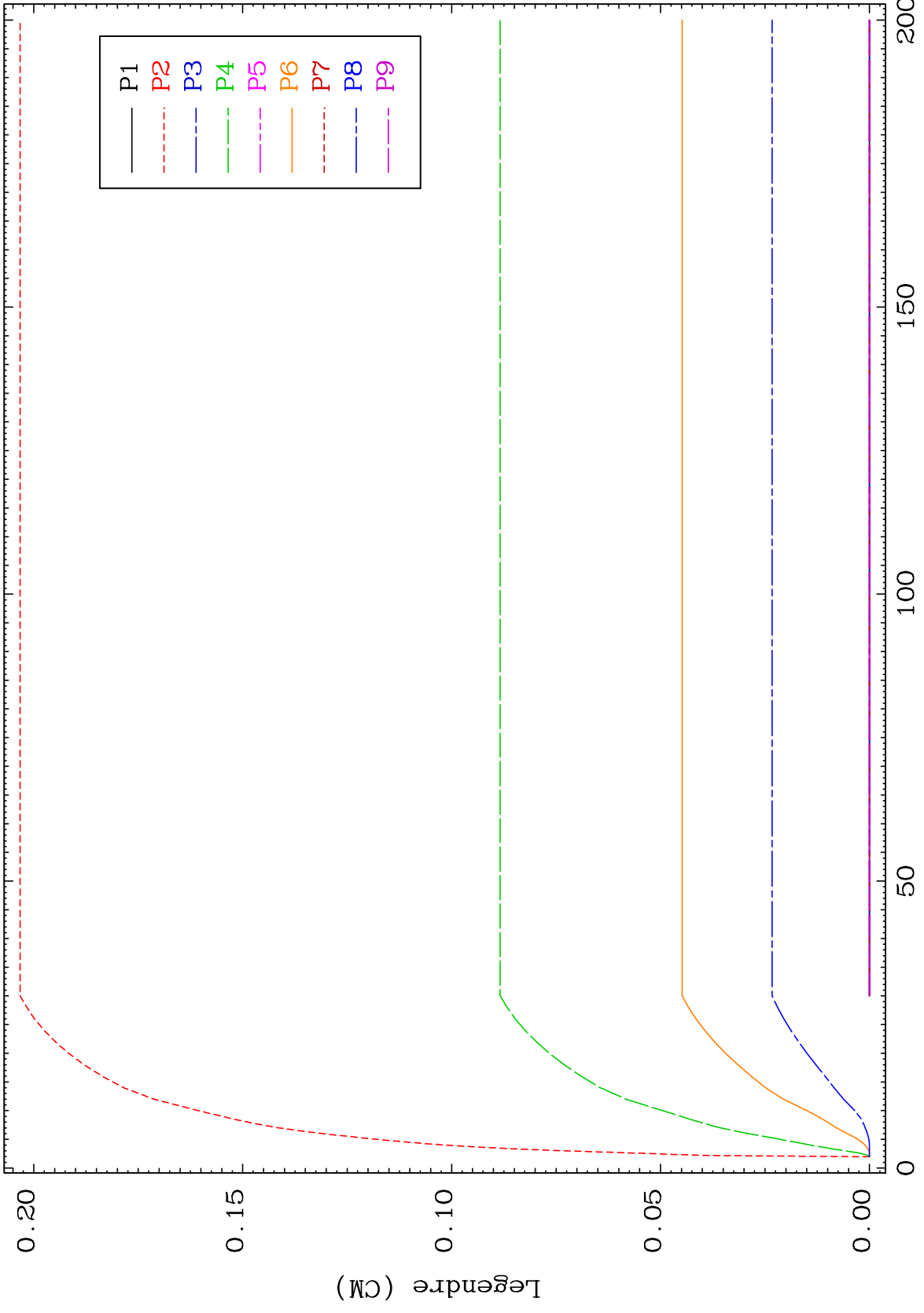
99 Incident Energy (MeV) 50-Sn-117

MAT 5040 MT= 77 (n,n') Level Legendre Coefficients 50-Sn-117



101 50-Sn-117

MAT 5040 MT= 78 (n,n') Level Legendre Coefficients 50-Sn-117

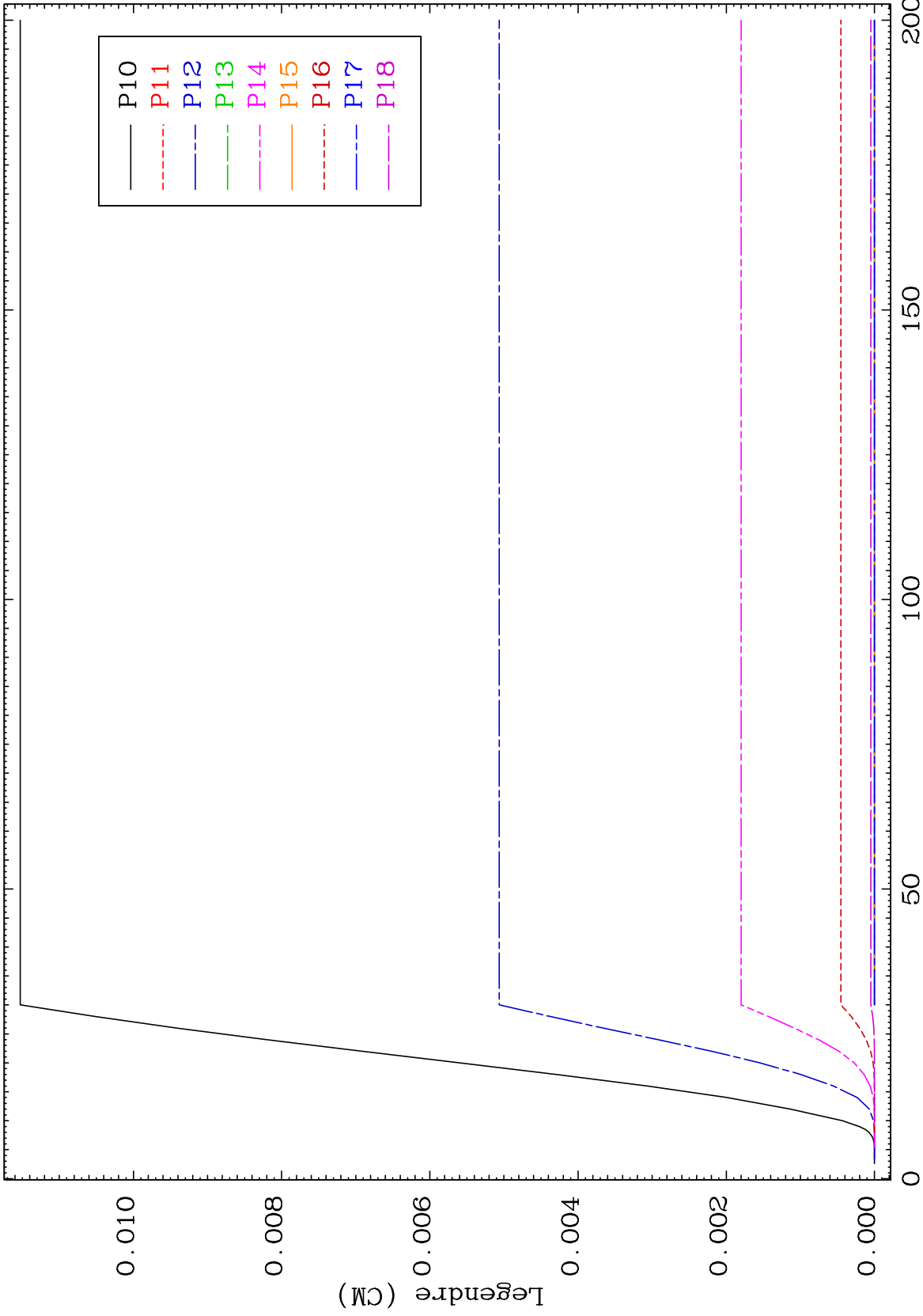


102 50-Sn-117

MAT 5040

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

50-Sn-117

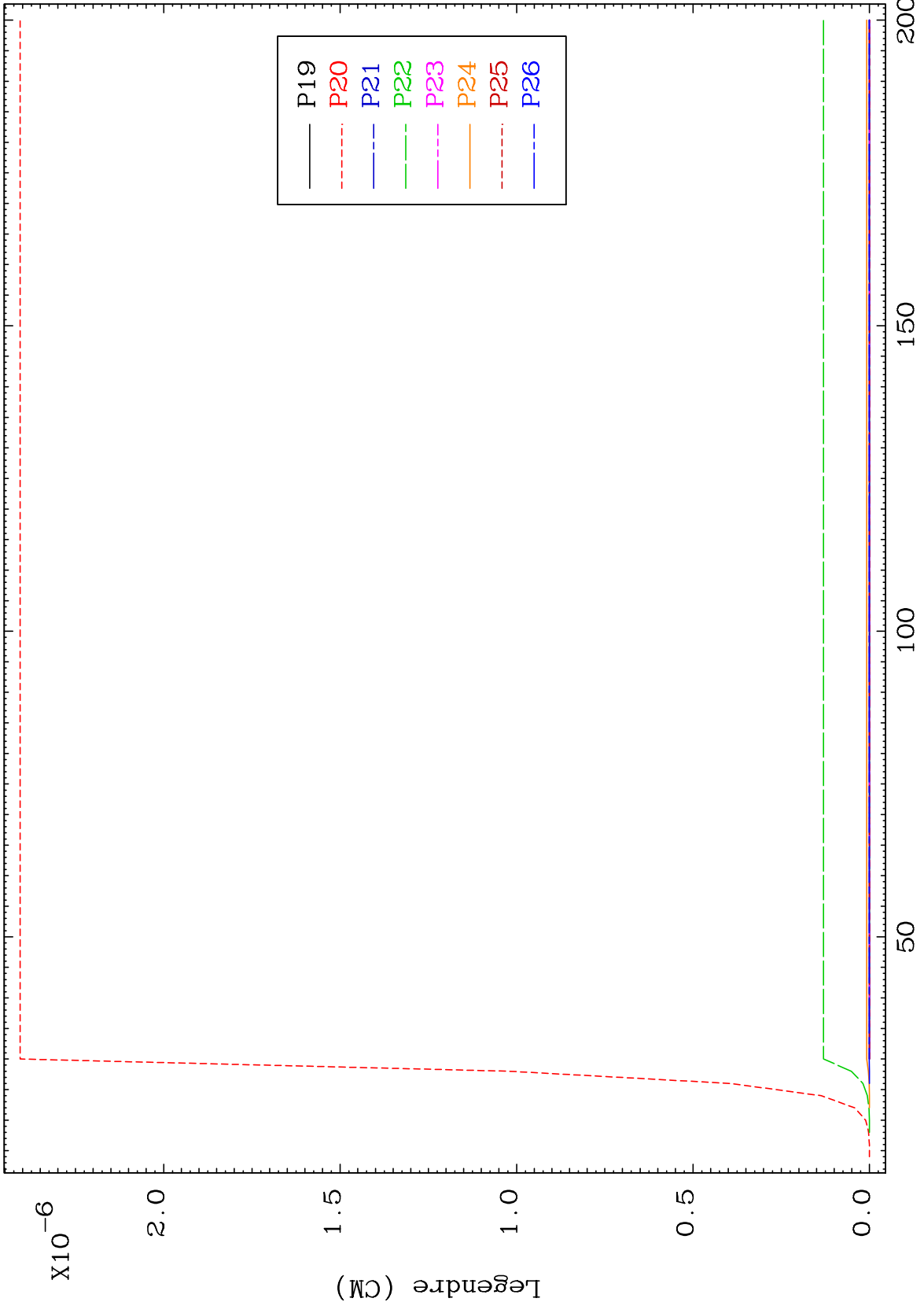


103

Incident Energy (MeV)

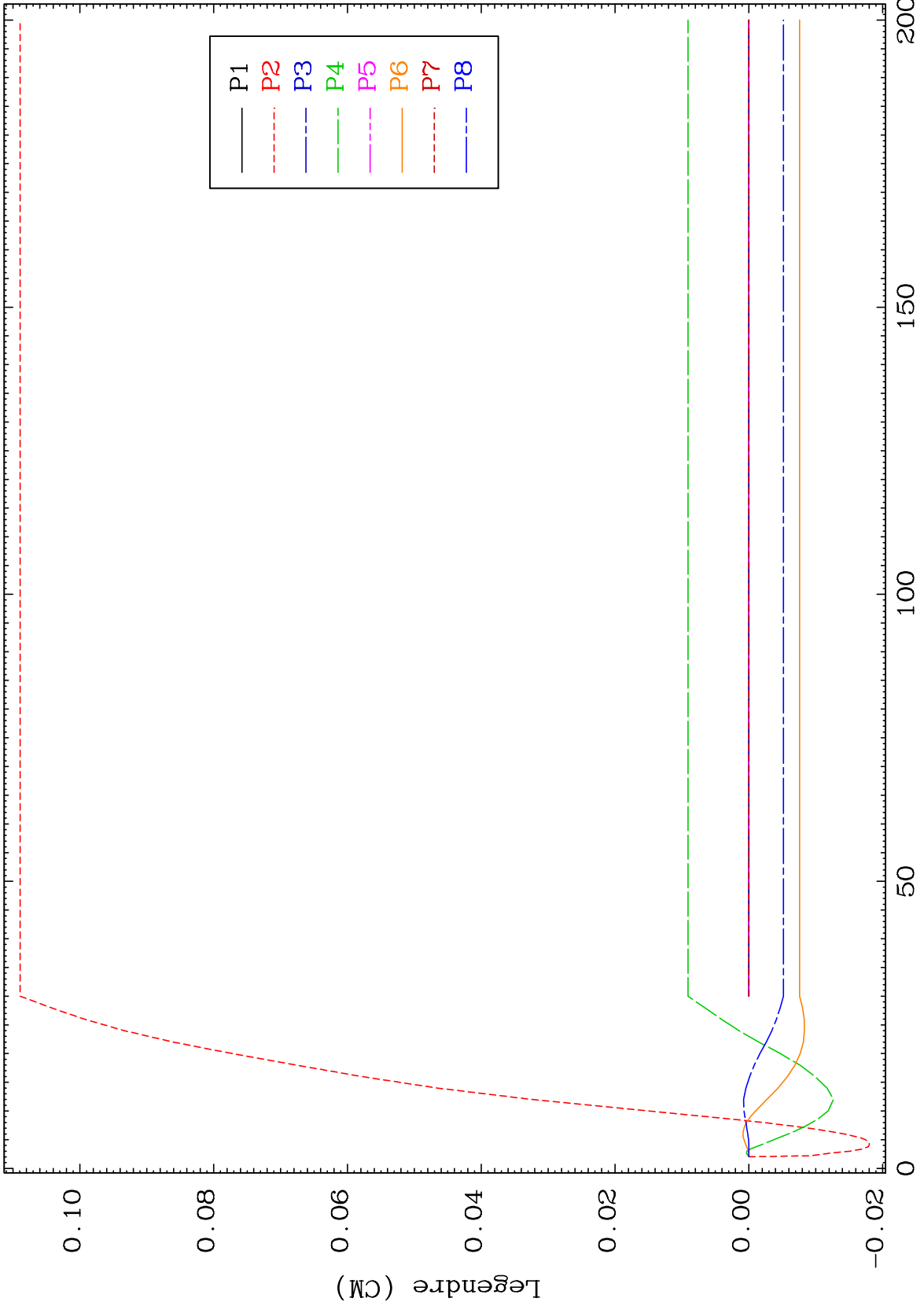
50-Sn-117

MAT 5040 MT= 78 (n,n') Level Legendre Coefficients 50-Sn-117



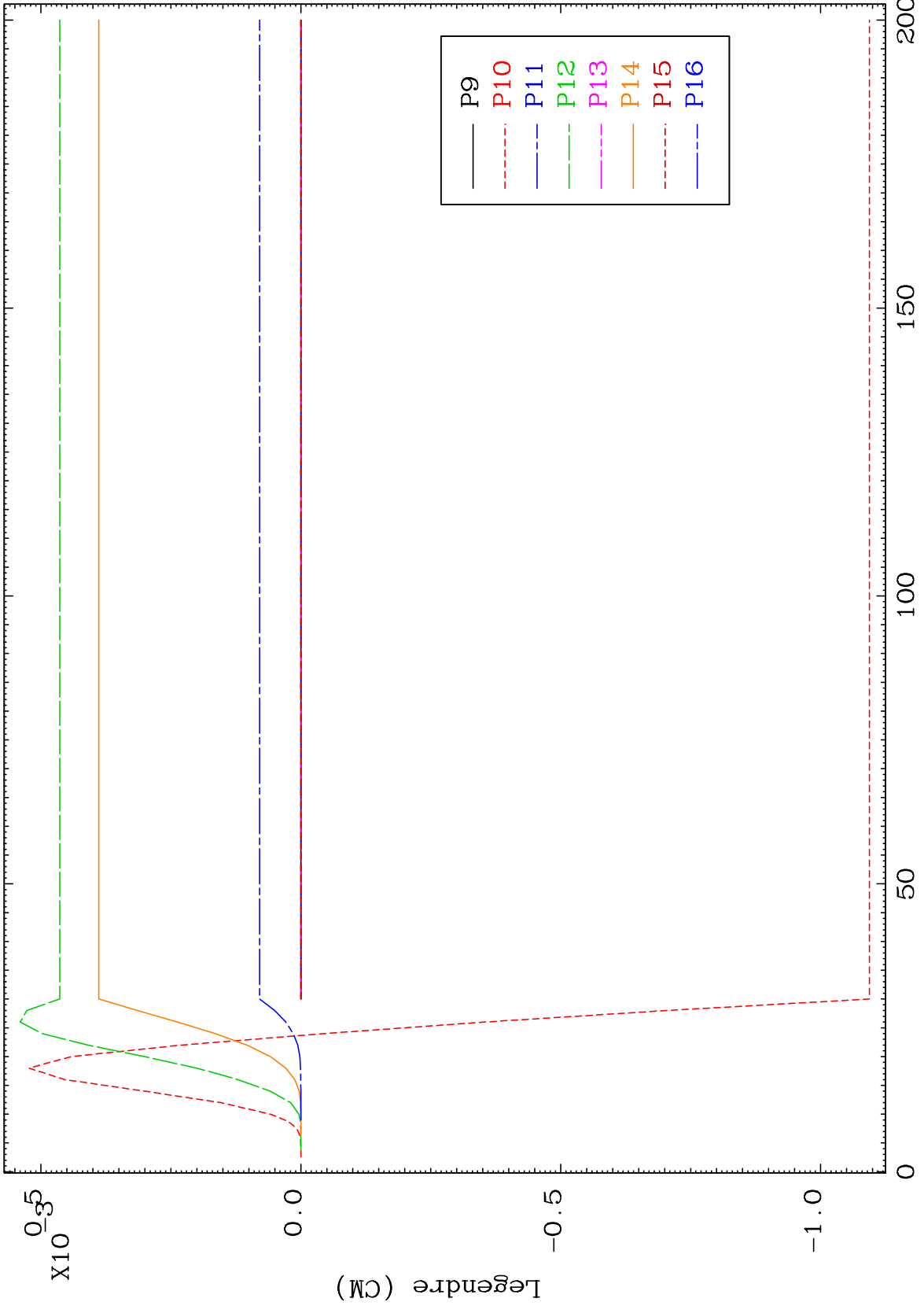
104 50 100 150 200 Incident Energy (MeV) 50-Sn-117

MAT 5040 MT= 79 (n,n') Level Legendre Coefficients 50-Sn-117



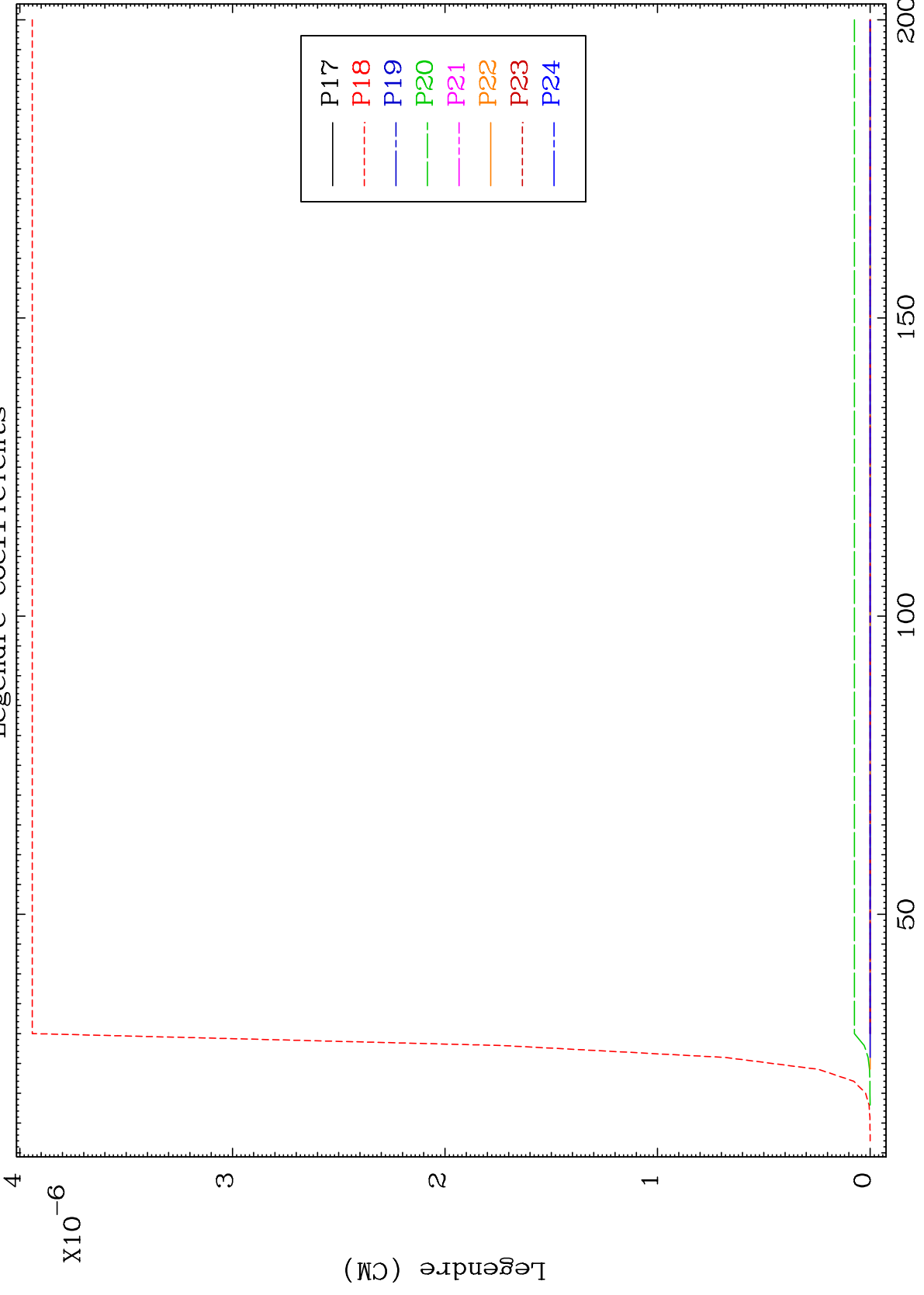
Legendre (CM) Incident Energy (MeV) 50-Sn-117

MAT 5040 MT= 79 (n,n') Level Legendre Coefficients 50-Sn-117



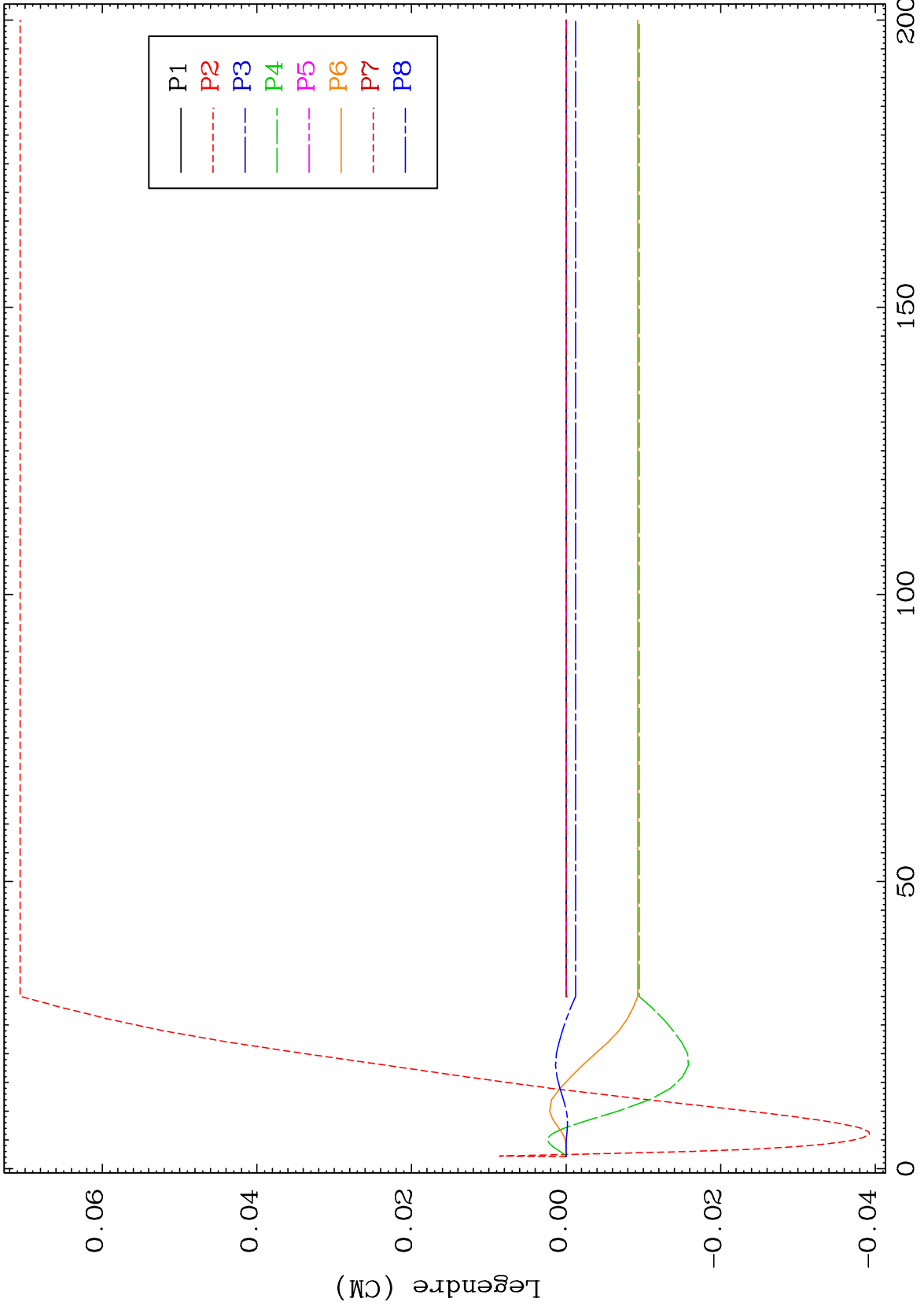
106 Incident Energy (MeV) 50-Sn-117

MAT 5040 MT= 79 (n,n') Level Legendre Coefficients 50-Sn-117



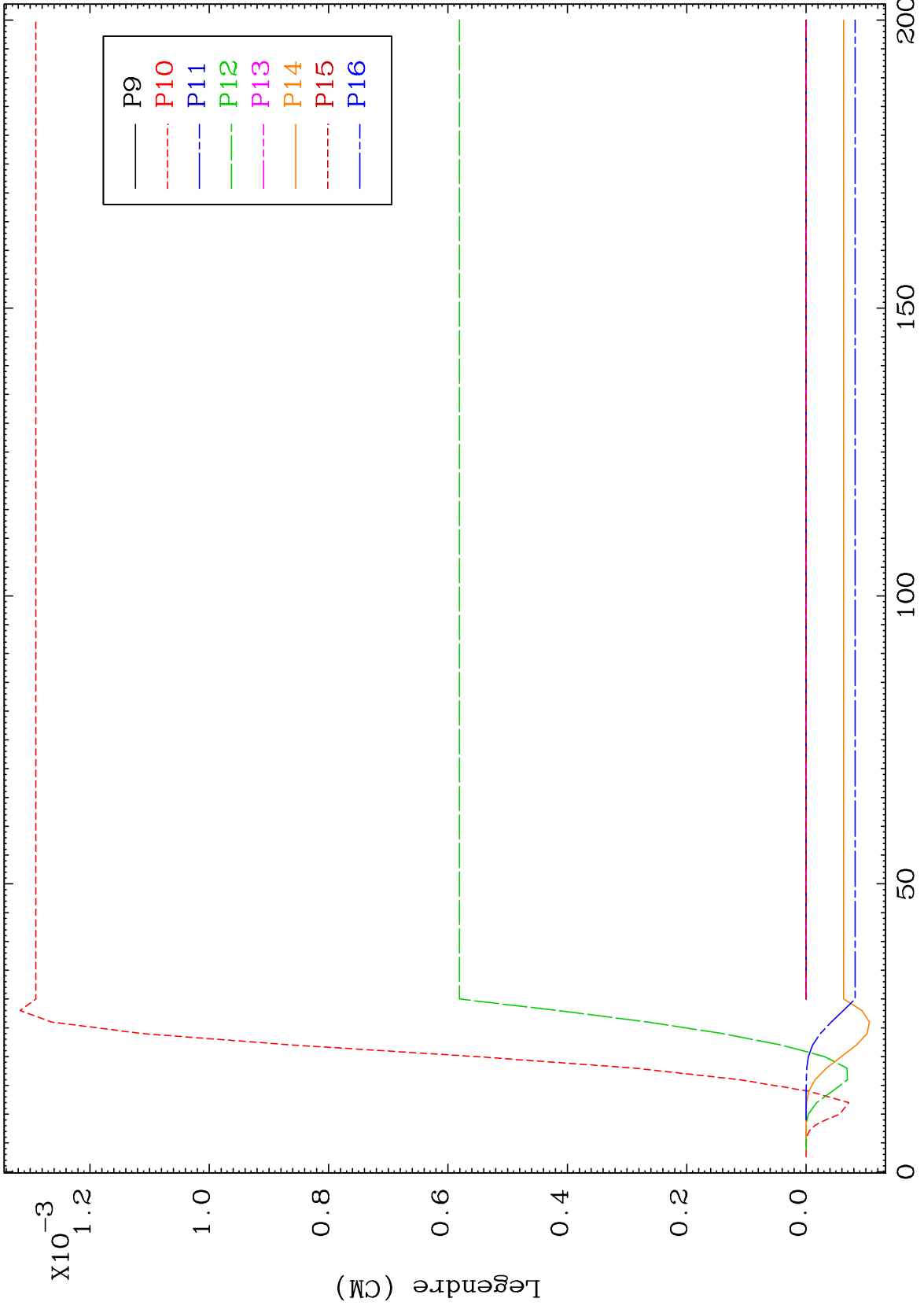
107 Incident Energy (MeV) 50-Sn-117

MAT 5040 MT= 80 (n,n') Level Legendre Coefficients 50-Sn-117



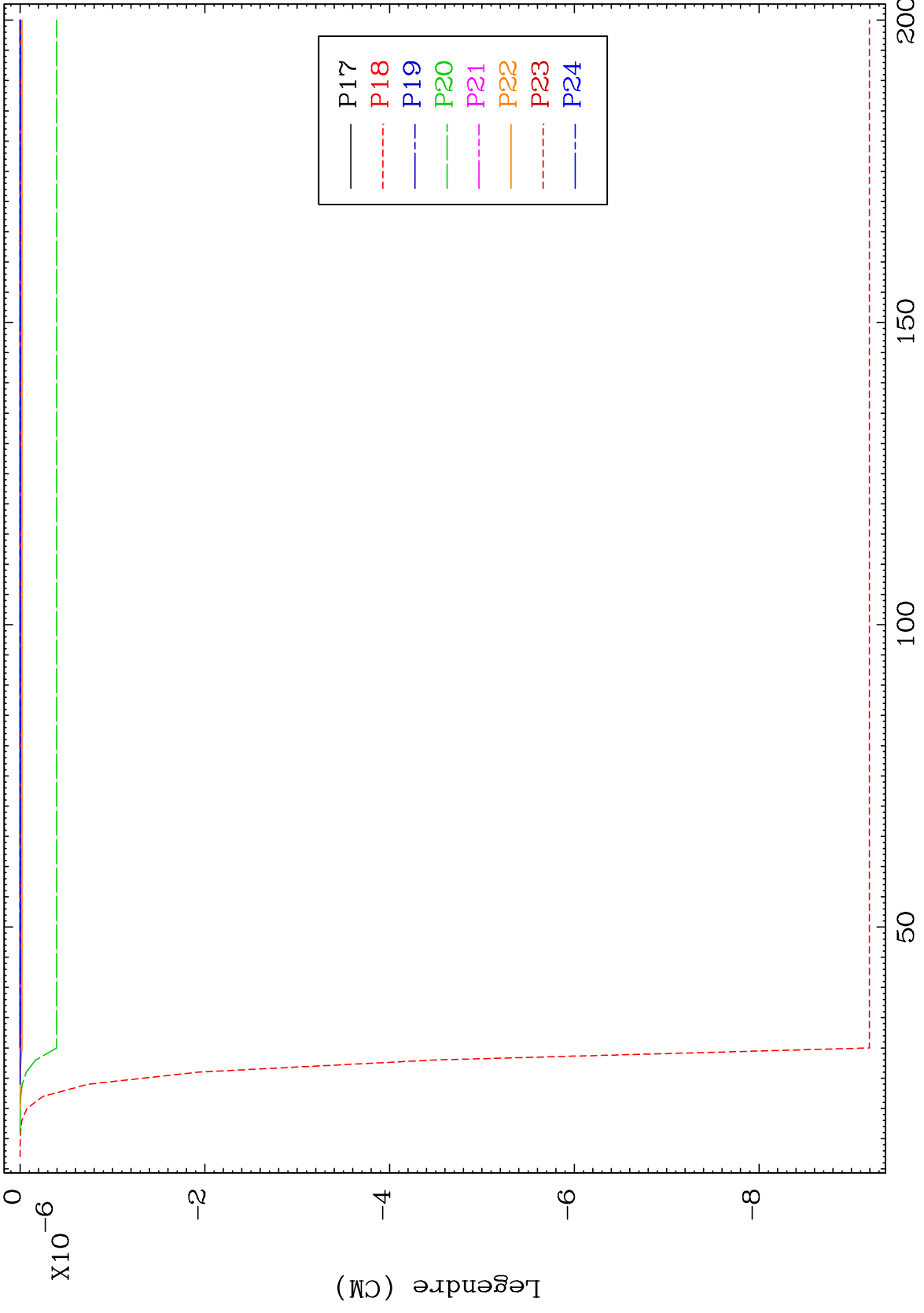
108 Incident Energy (MeV) 50-Sn-117

MAT 5040 MT= 80 (n,n') Level Legendre Coefficients 50-Sn-117



109 50-Sn-117

MAT 5040 MT= 80 (n,n') Level Legendre Coefficients 50-Sn-117

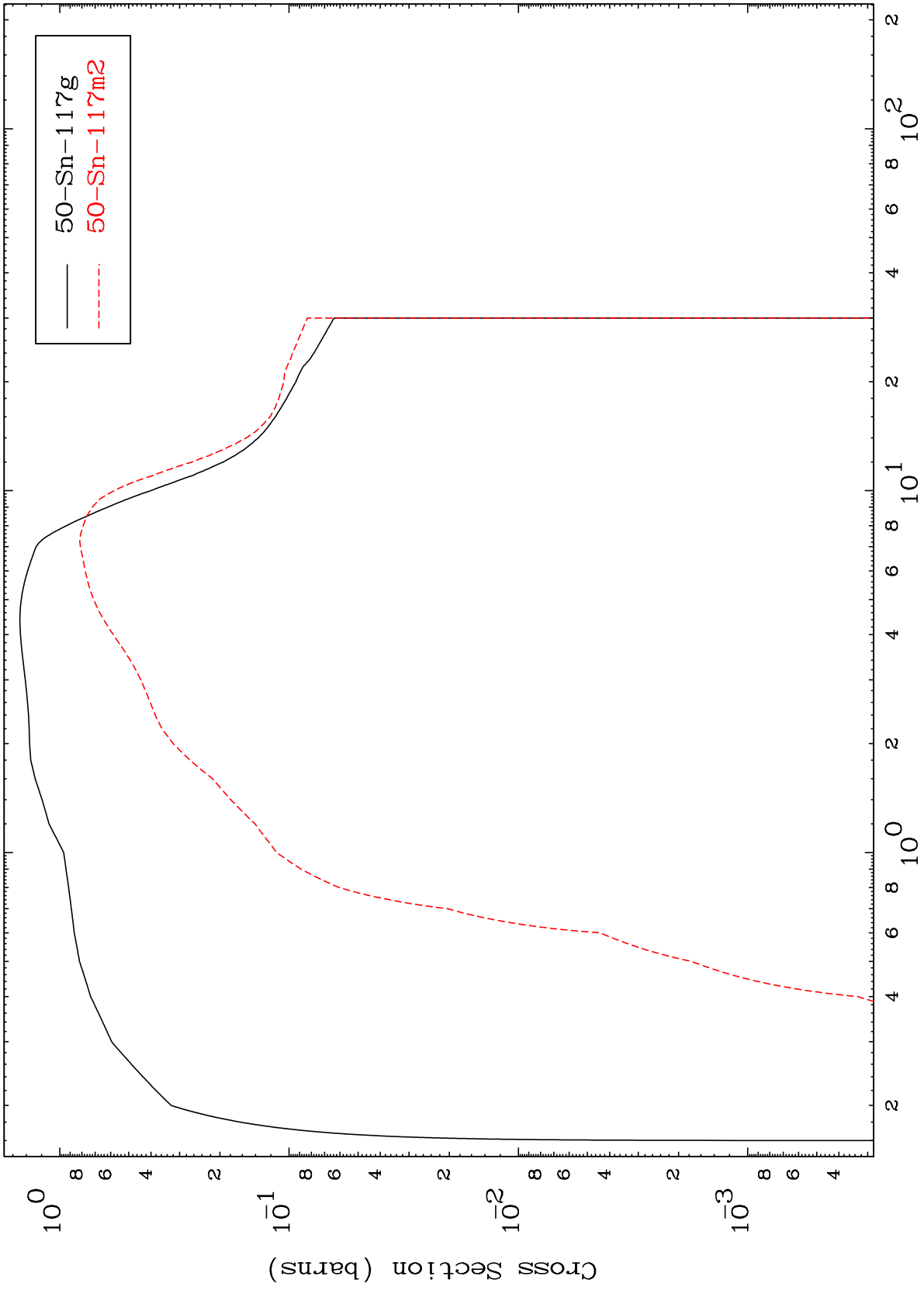


110 Incident Energy (MeV) 50-Sn-117

MAT 5040

Inelastic Radionuclide Production Cross Section

50-Sn-117



111

Incident Energy (MeV)

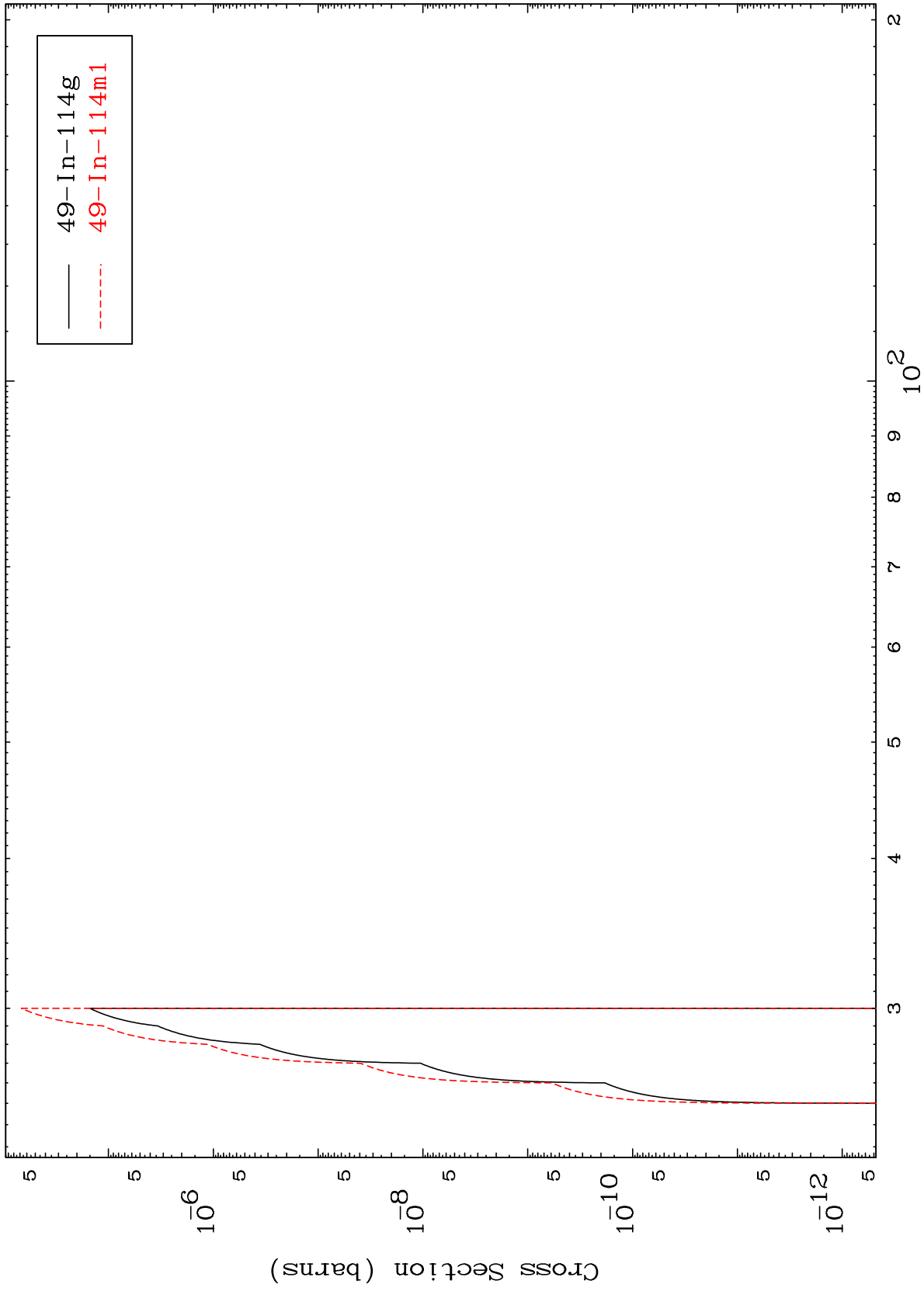
50-Sn-117

MAT 5040

(n,2n) d

50-Sn-117

Radionuclide Production Cross Section



112

Incident Energy (MeV)

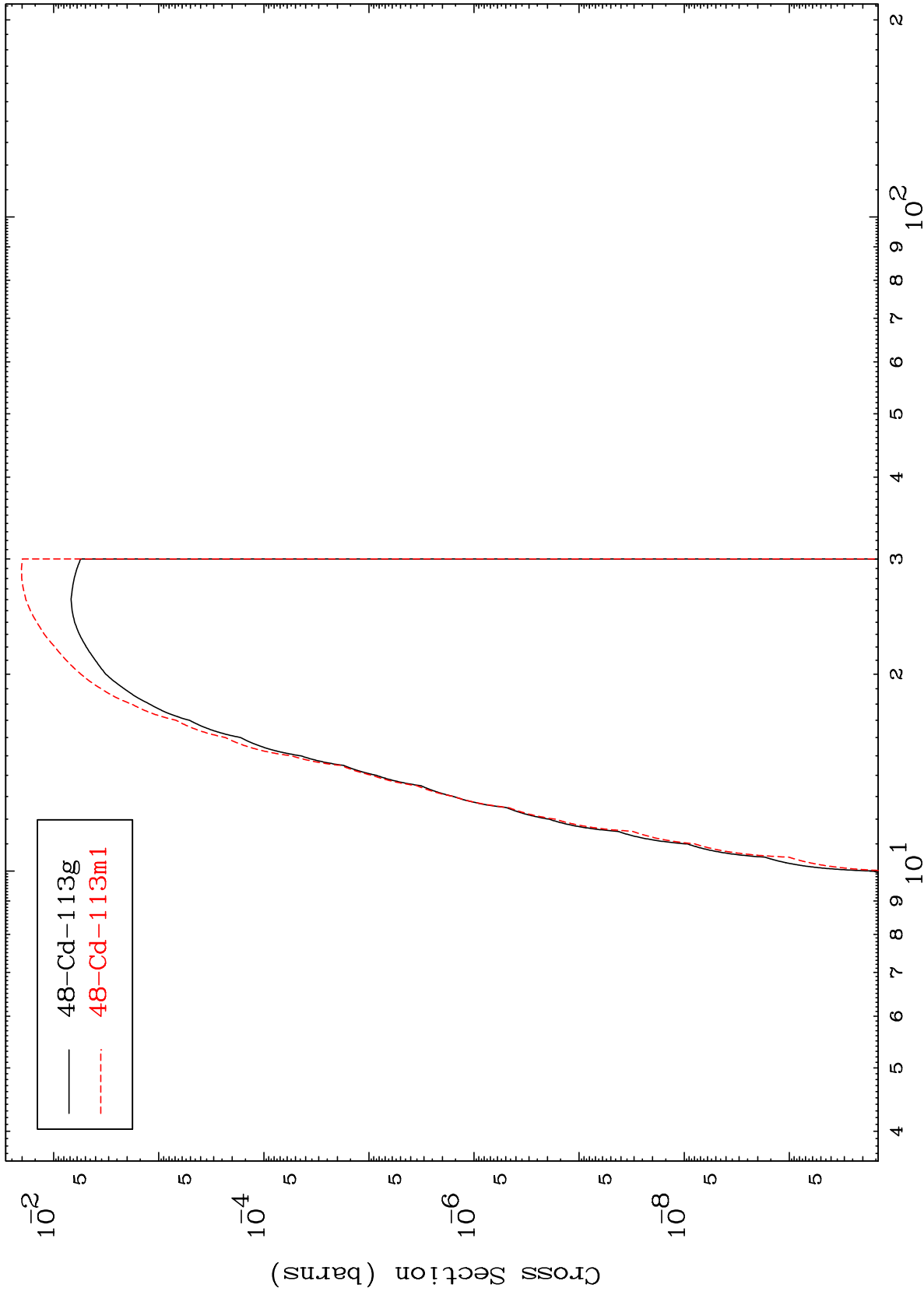
50-Sn-117

MAT 5040

(n,n') α

50-Sn-117

Radionuclide Production Cross Section



48-Cd-113g
48-Cd-113m1

113

Incident Energy (MeV)

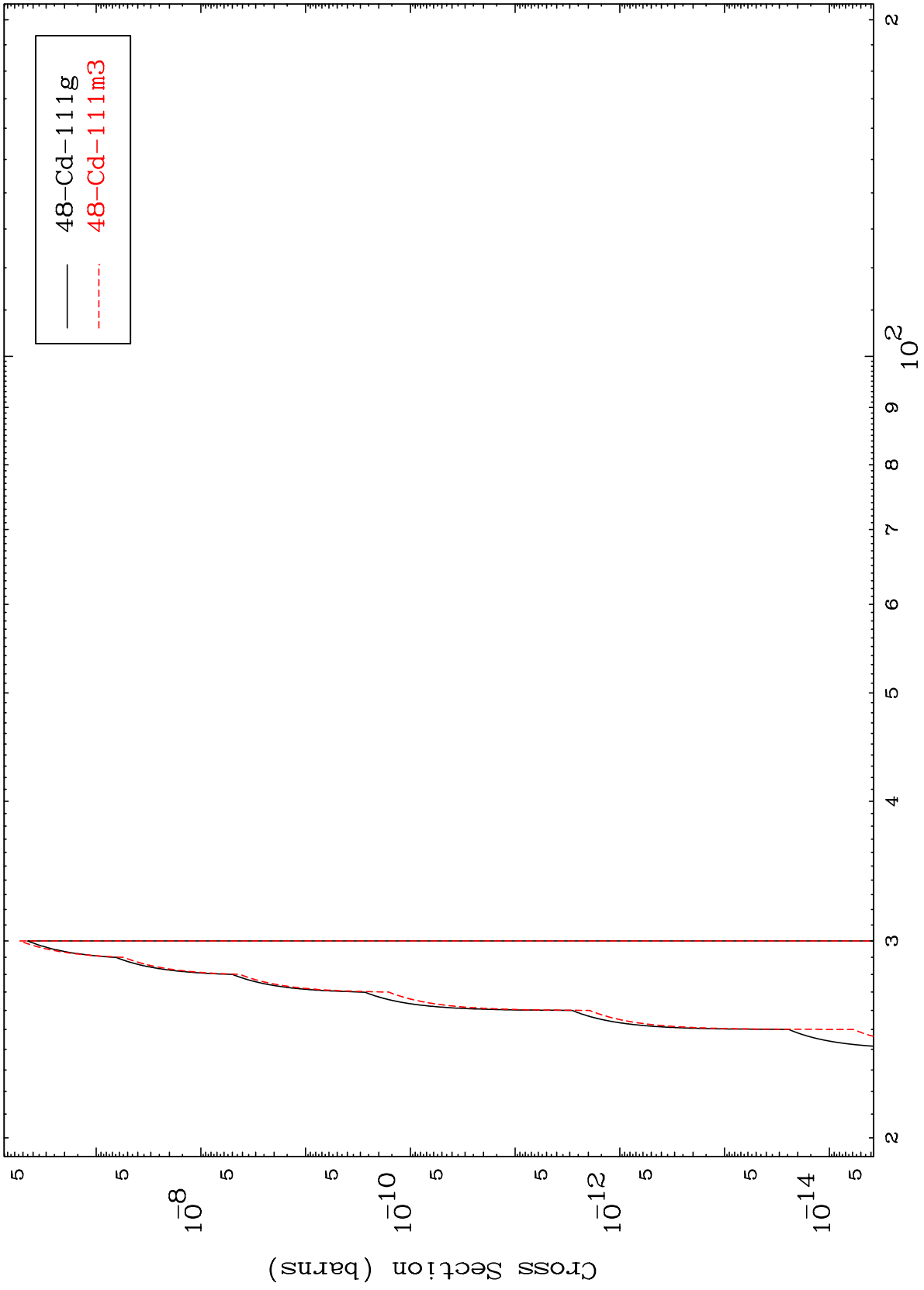
50-Sn-117

MAT 5040

(n,3n) α

50-Sn-117

Radionuclide Production Cross Section



114

Incident Energy (MeV)

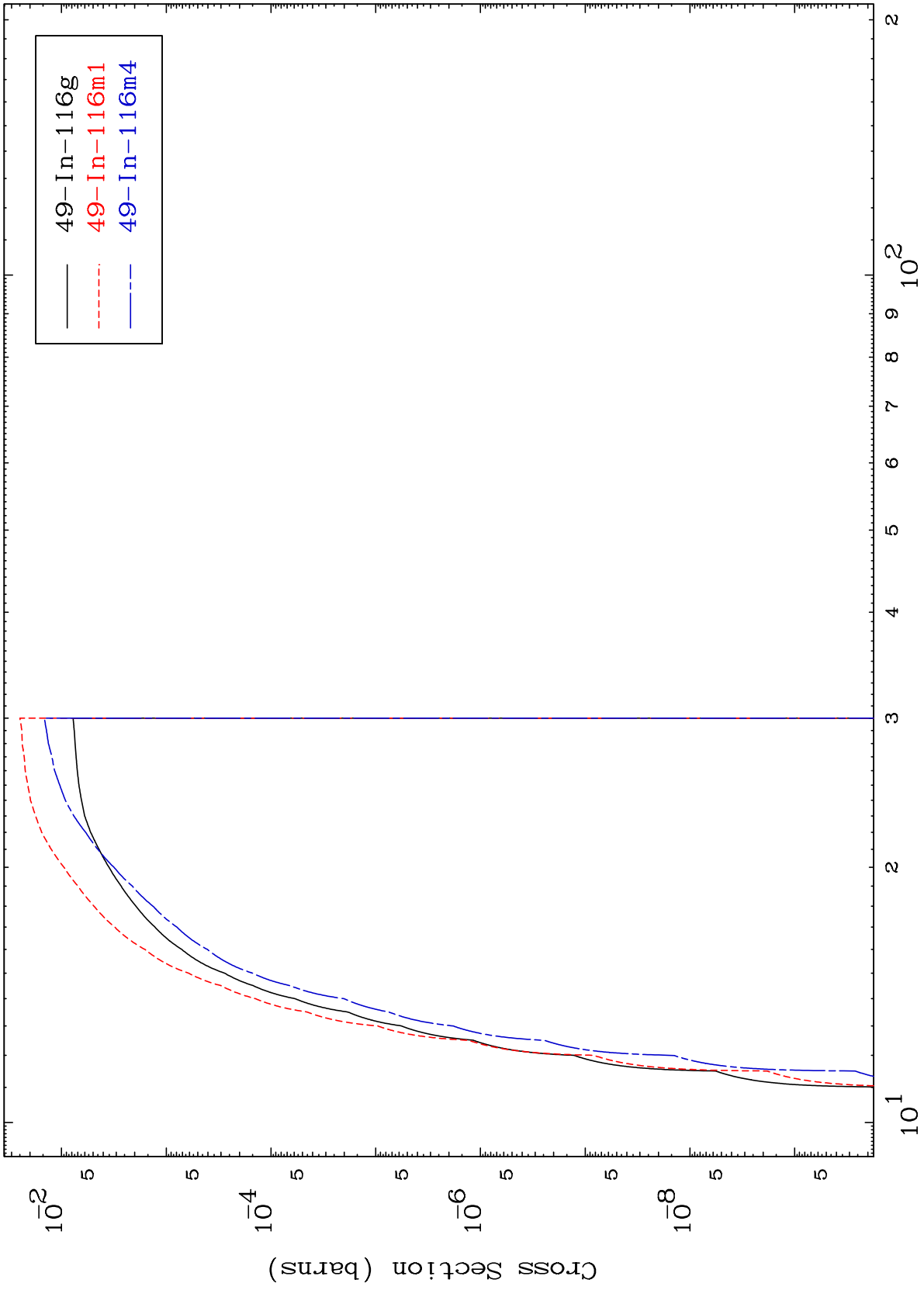
50-Sn-117

MAT 5040

(n,n') p

50-Sn-117

Radionuclide Production Cross Section



115

Incident Energy (MeV)

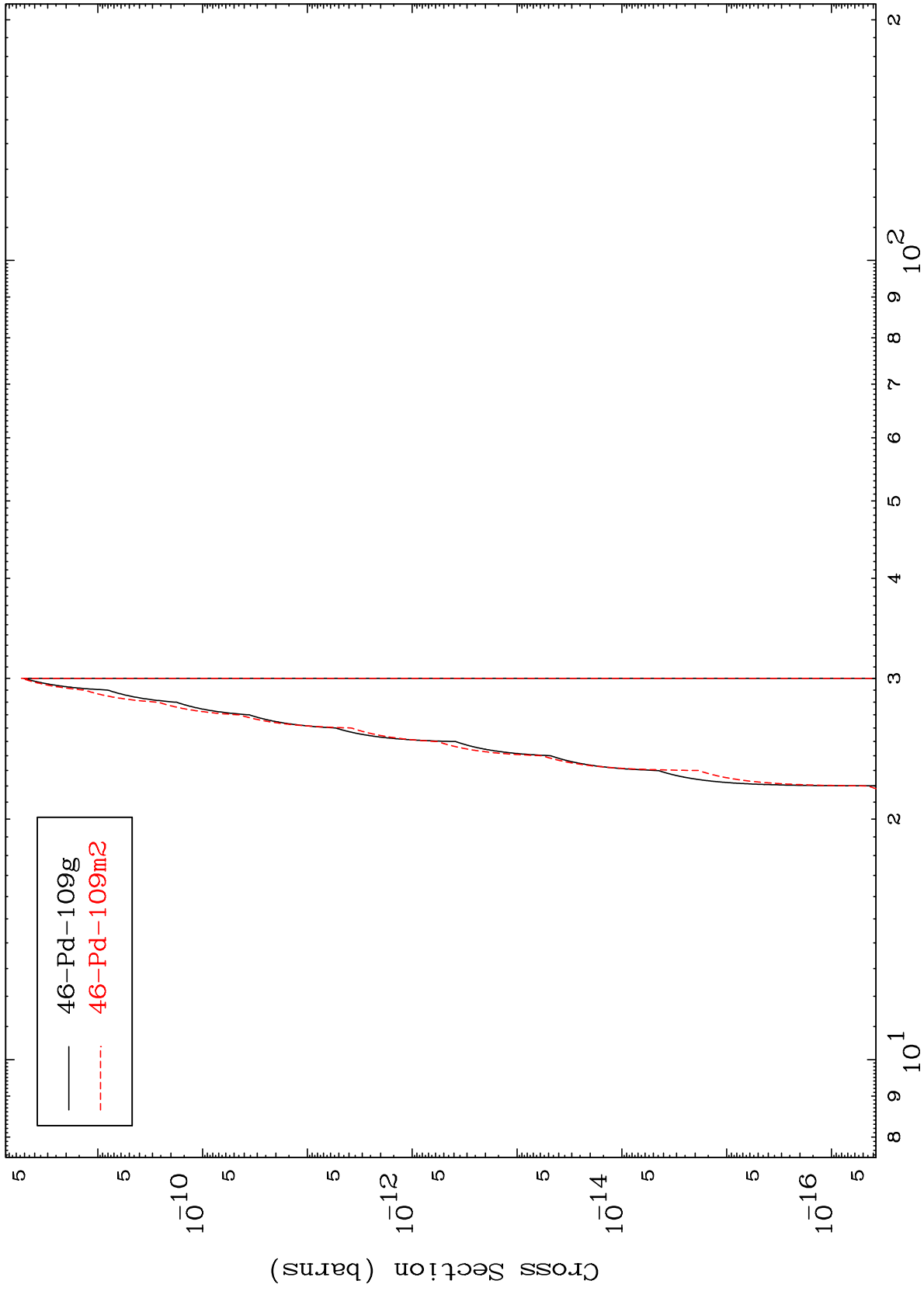
50-Sn-117

MAT 5040

(n,n') 2 α

50-Sn-117

Radionuclide Production Cross Section

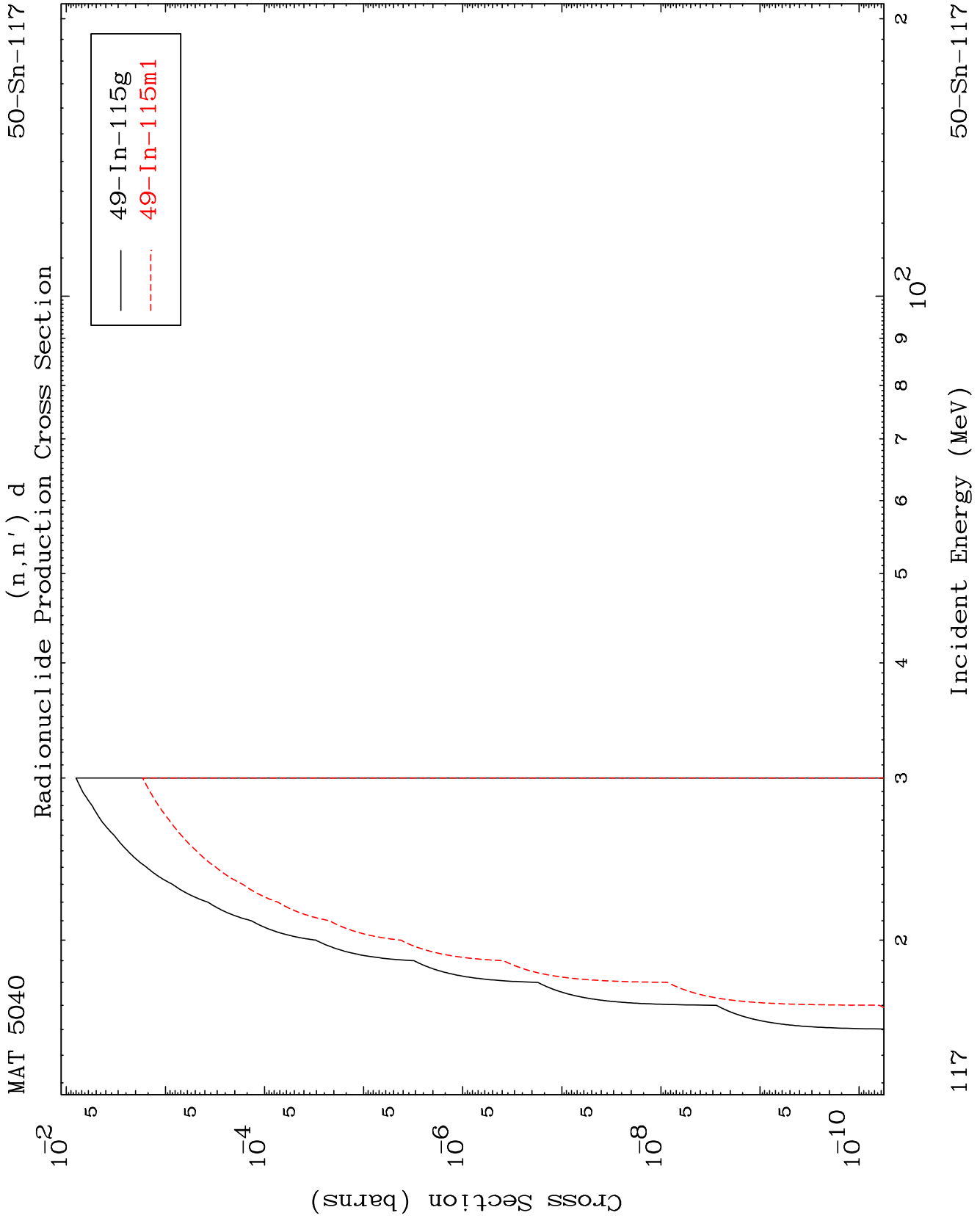


46-Pd-109g
46-Pd-109m2

116

Incident Energy (MeV)

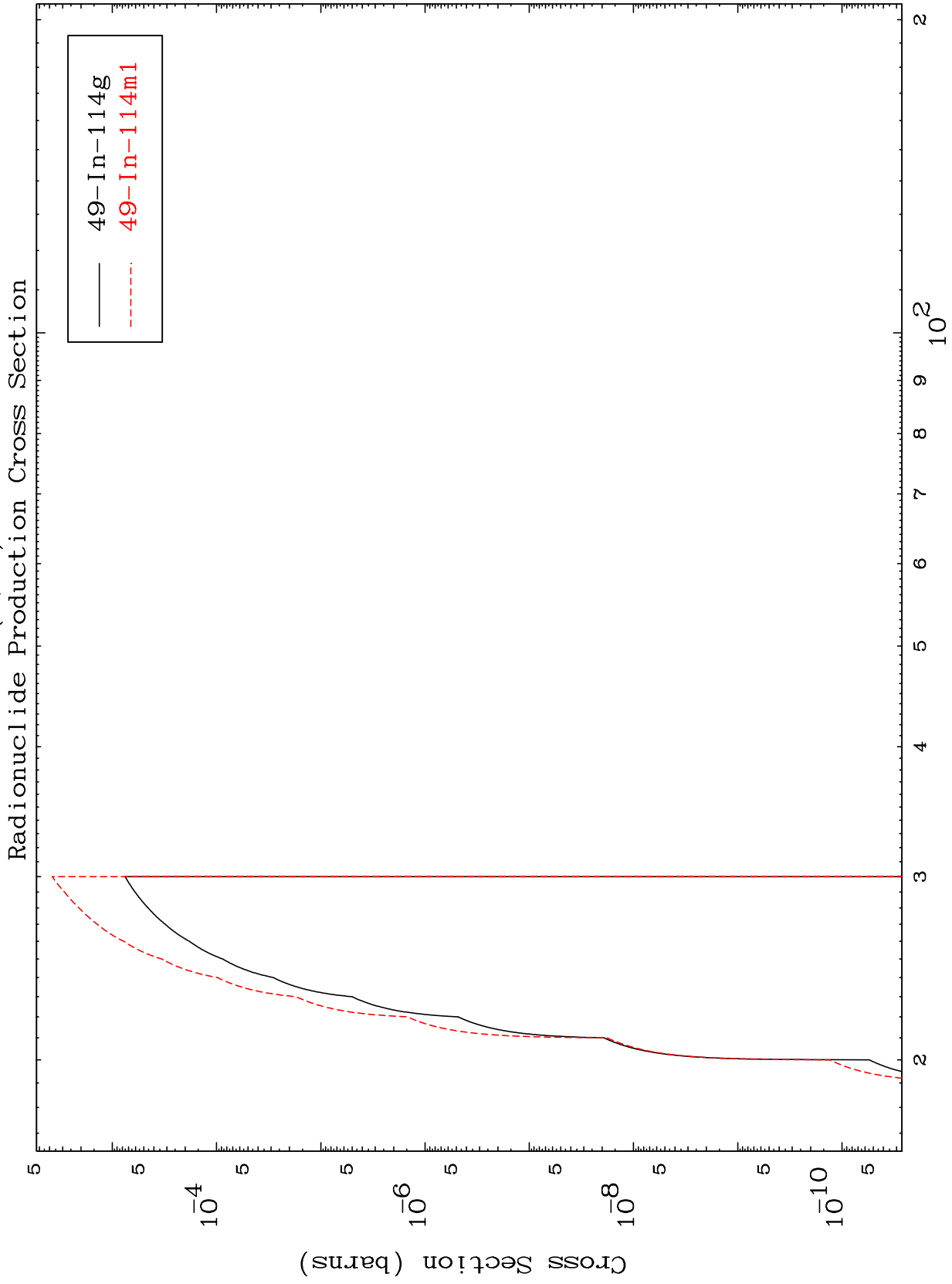
50-Sn-117



MAT 5040

(n,n') t

50-Sn-117



118

Incident Energy (MeV)

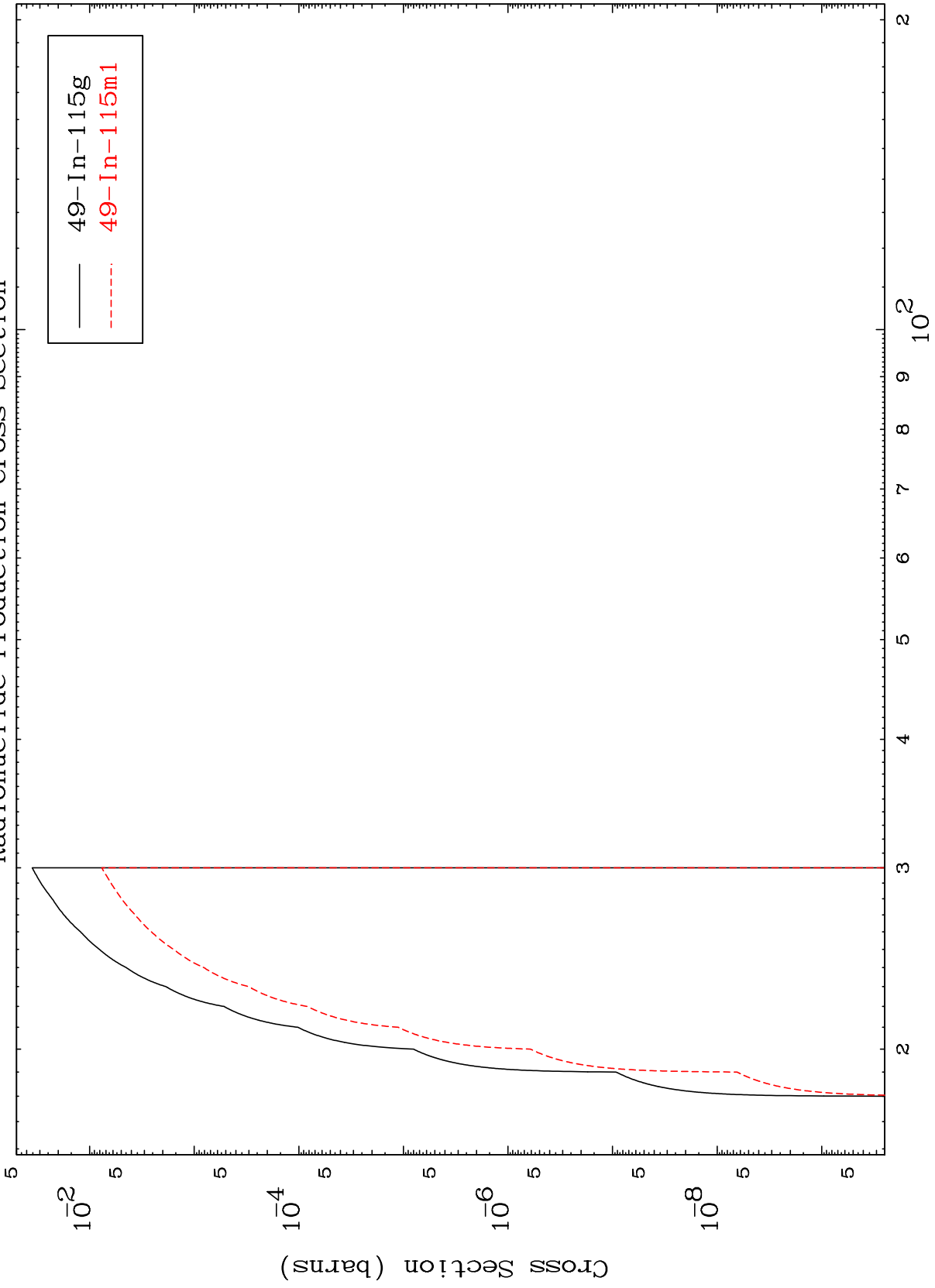
50-Sn-117

MAT 5040

(n,2n) p

50-Sn-117

Radionuclide Production Cross Section



119

Incident Energy (MeV)

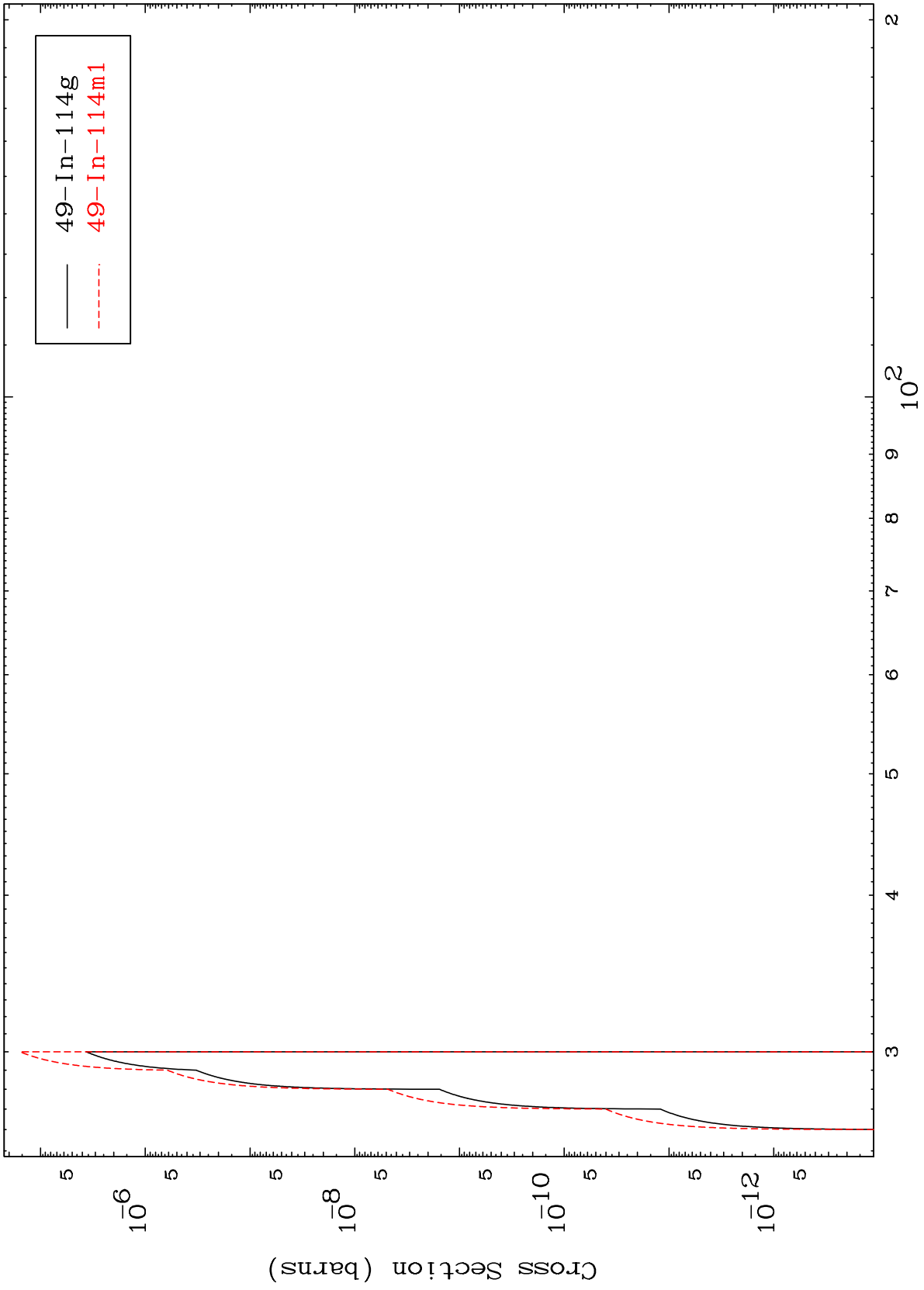
50-Sn-117

MAT 5040

(n,3n) p

50-Sn-117

Radionuclide Production Cross Section



120

Incident Energy (MeV)

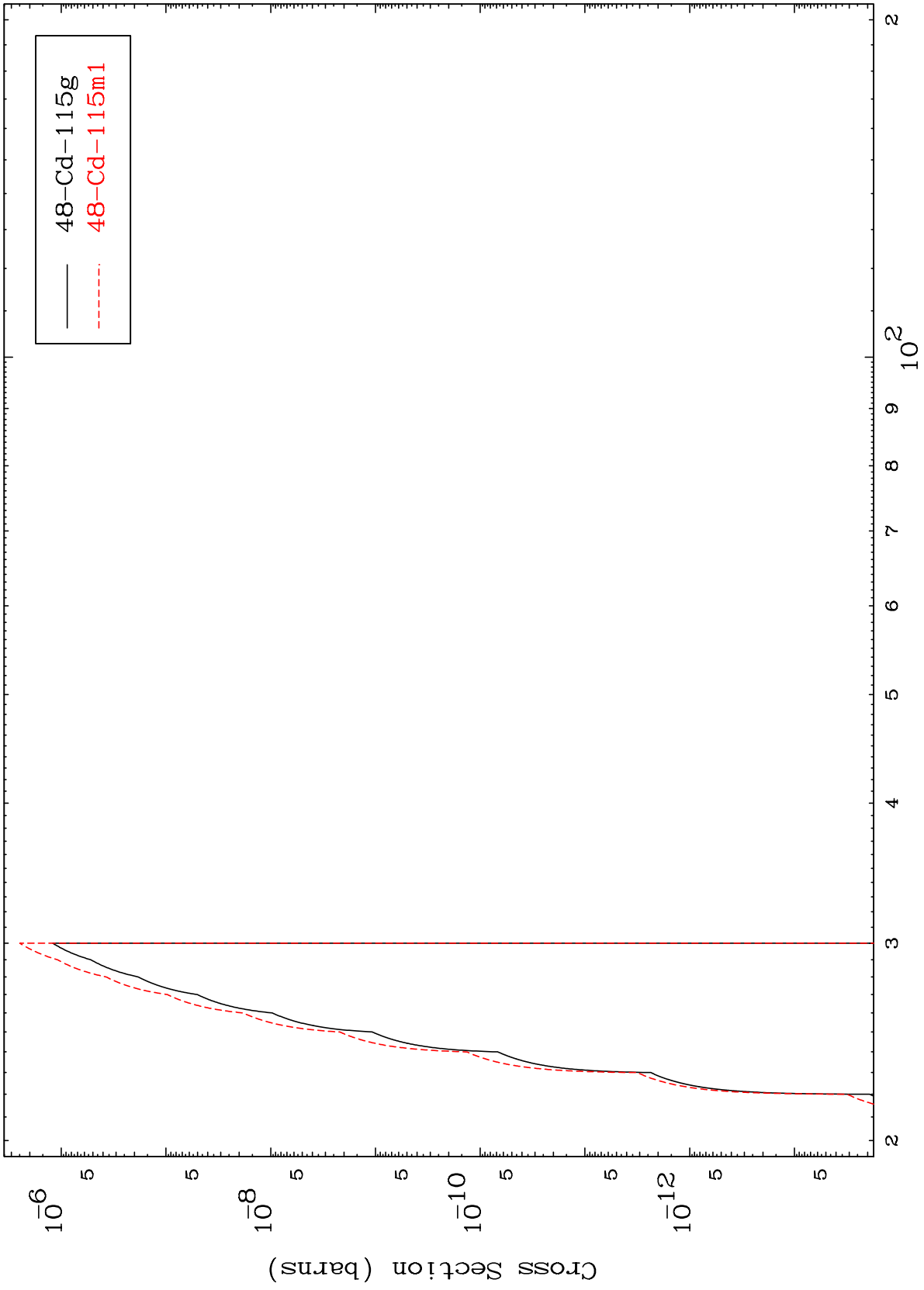
50-Sn-117

MAT 5040

(n,2n) p

50-Sn-117

Radionuclide Production Cross Section



121

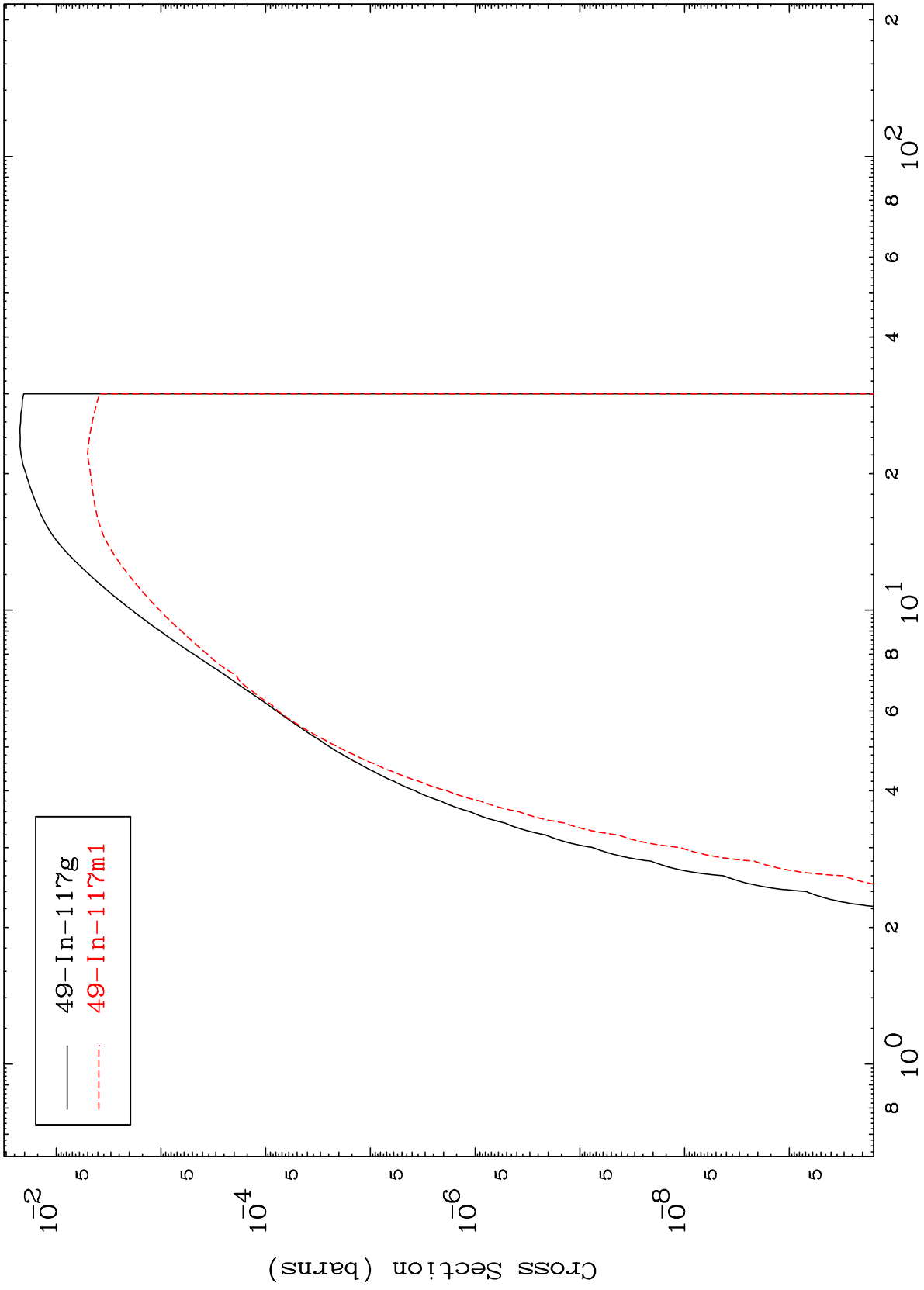
Incident Energy (MeV)

50-Sn-117

MAT 5040

50-Sn-117

Radionuclide Production Cross Section (n,p)



122

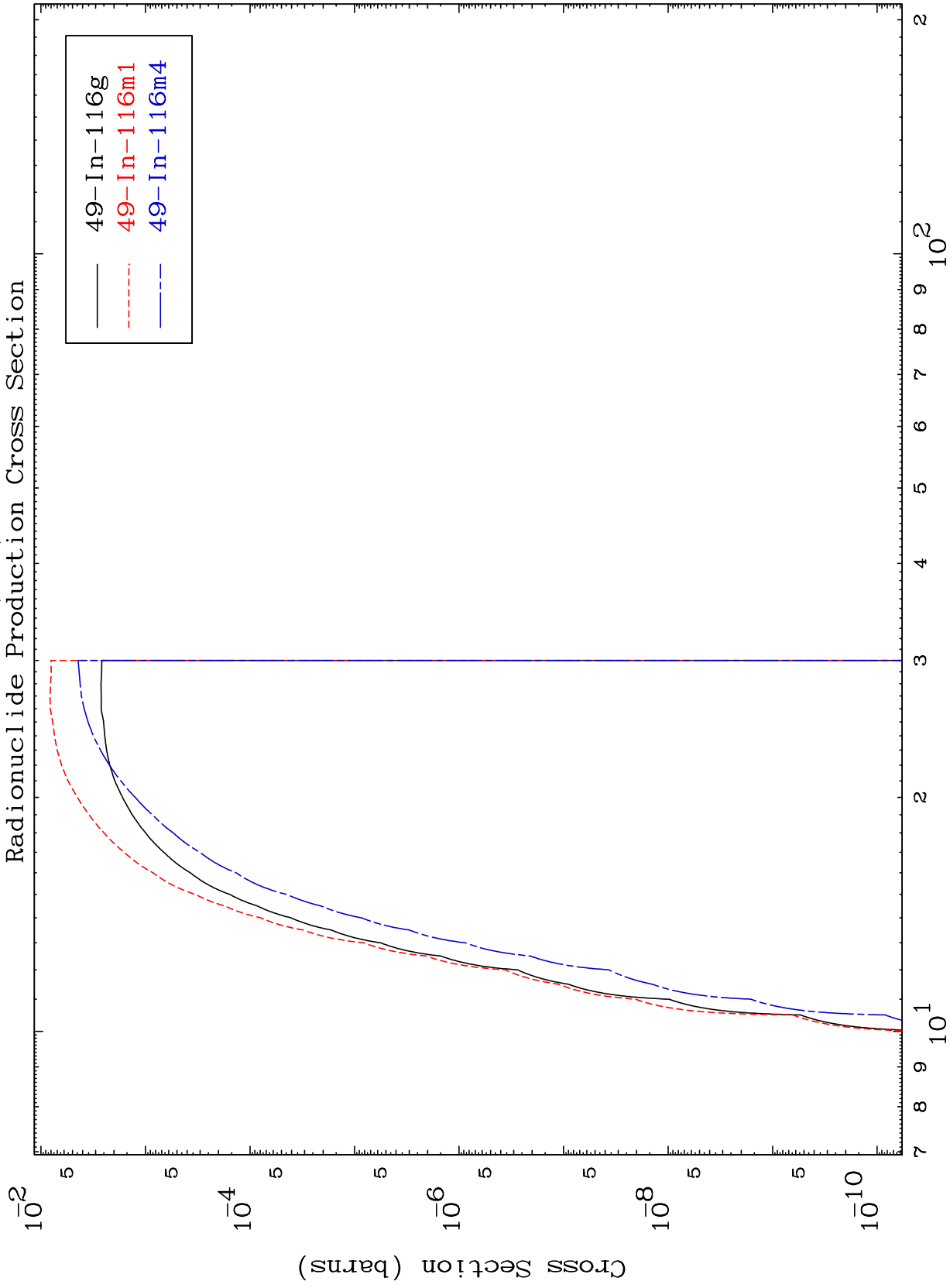
Incident Energy (MeV)

50-Sn-117

MAT 5040

(n,d)

50-Sn-117



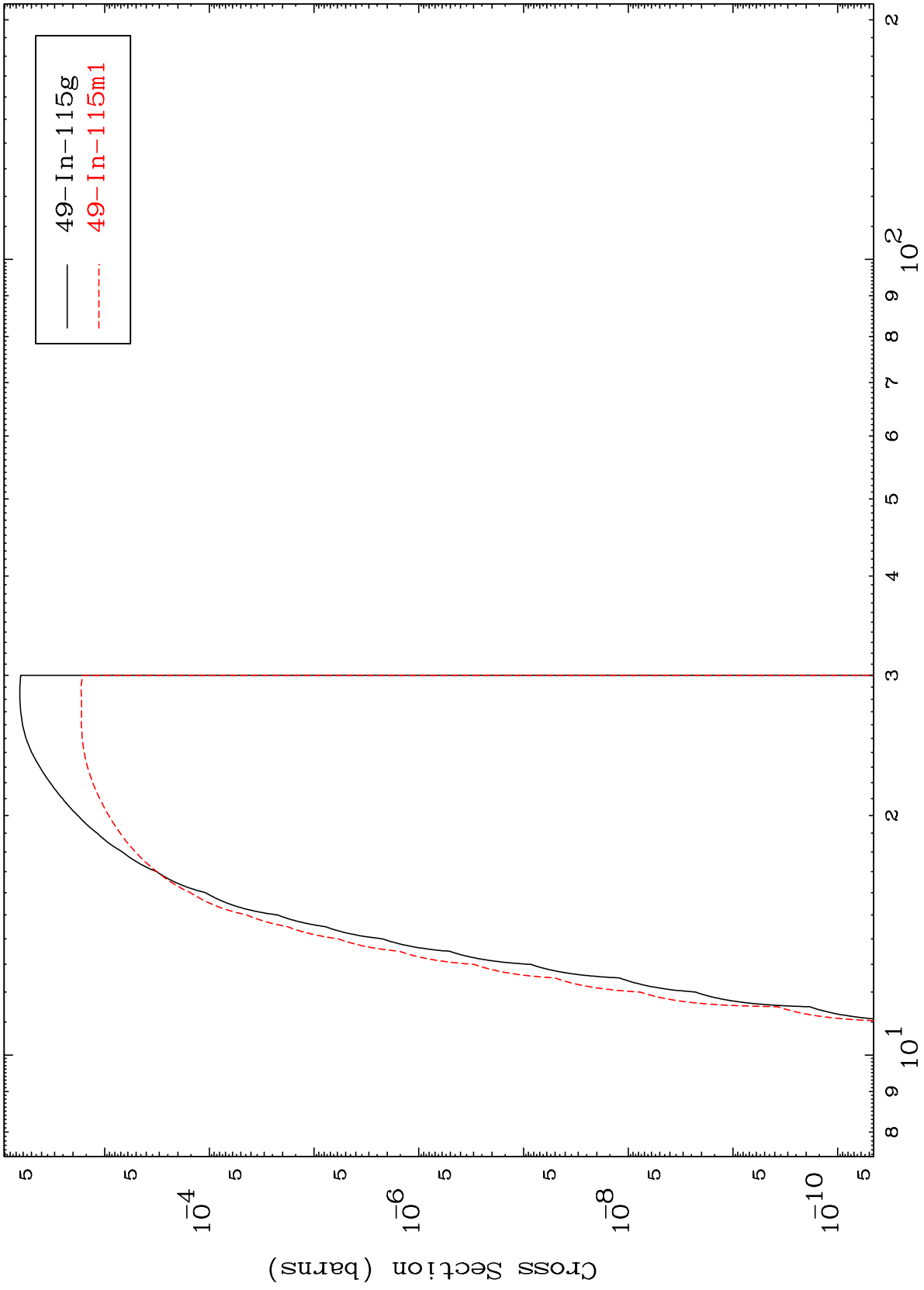
123

50-Sn-117

MAT 5040

50-Sn-117

(n, t)
Radionuclide Production Cross Section



124

Incident Energy (MeV)

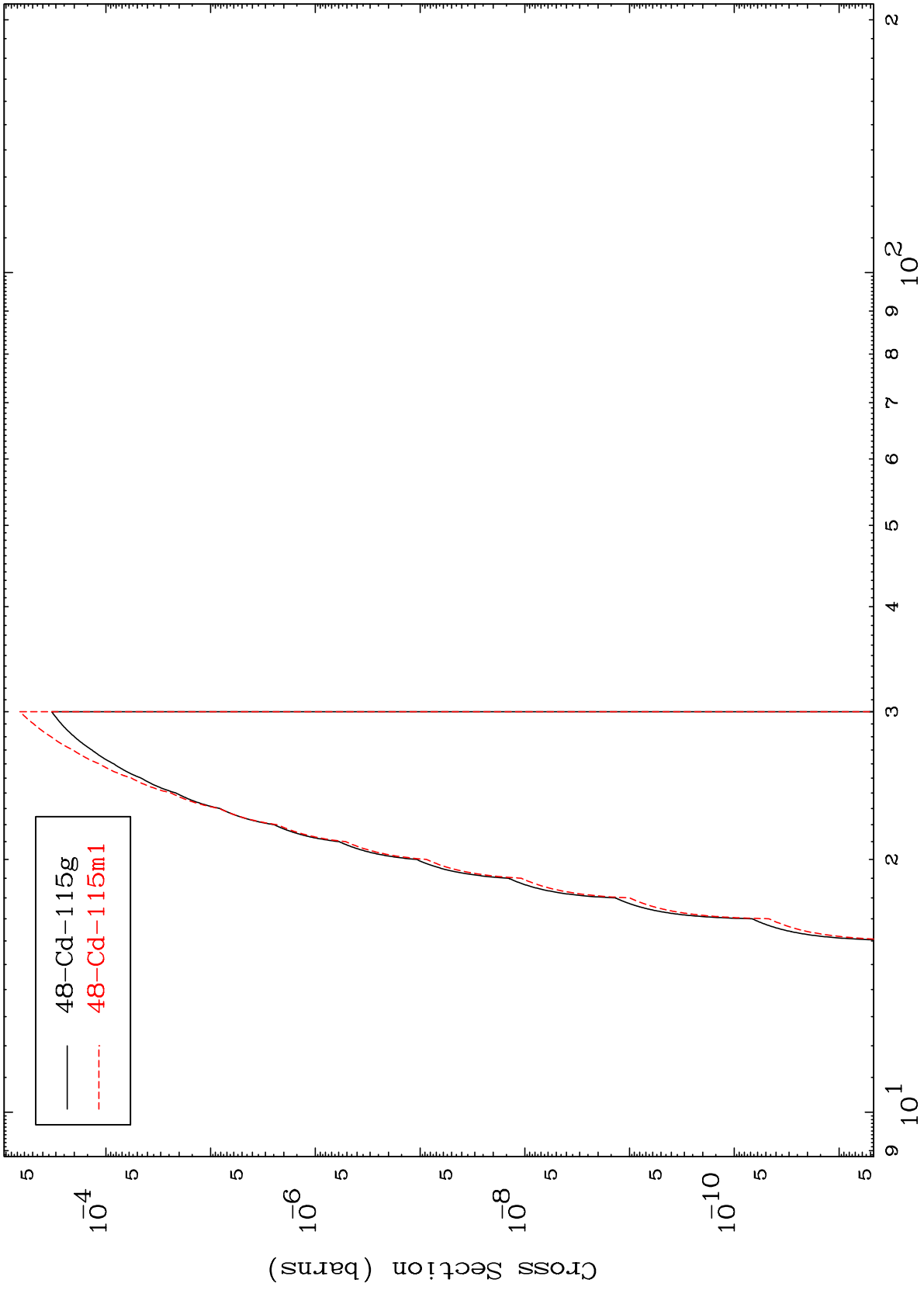
50-Sn-117

MAT 5040

(n, He-3)

50-Sn-117

Radionuclide Production Cross Section



48-Cd-115g
48-Cd-115m1

125

Incident Energy (MeV)

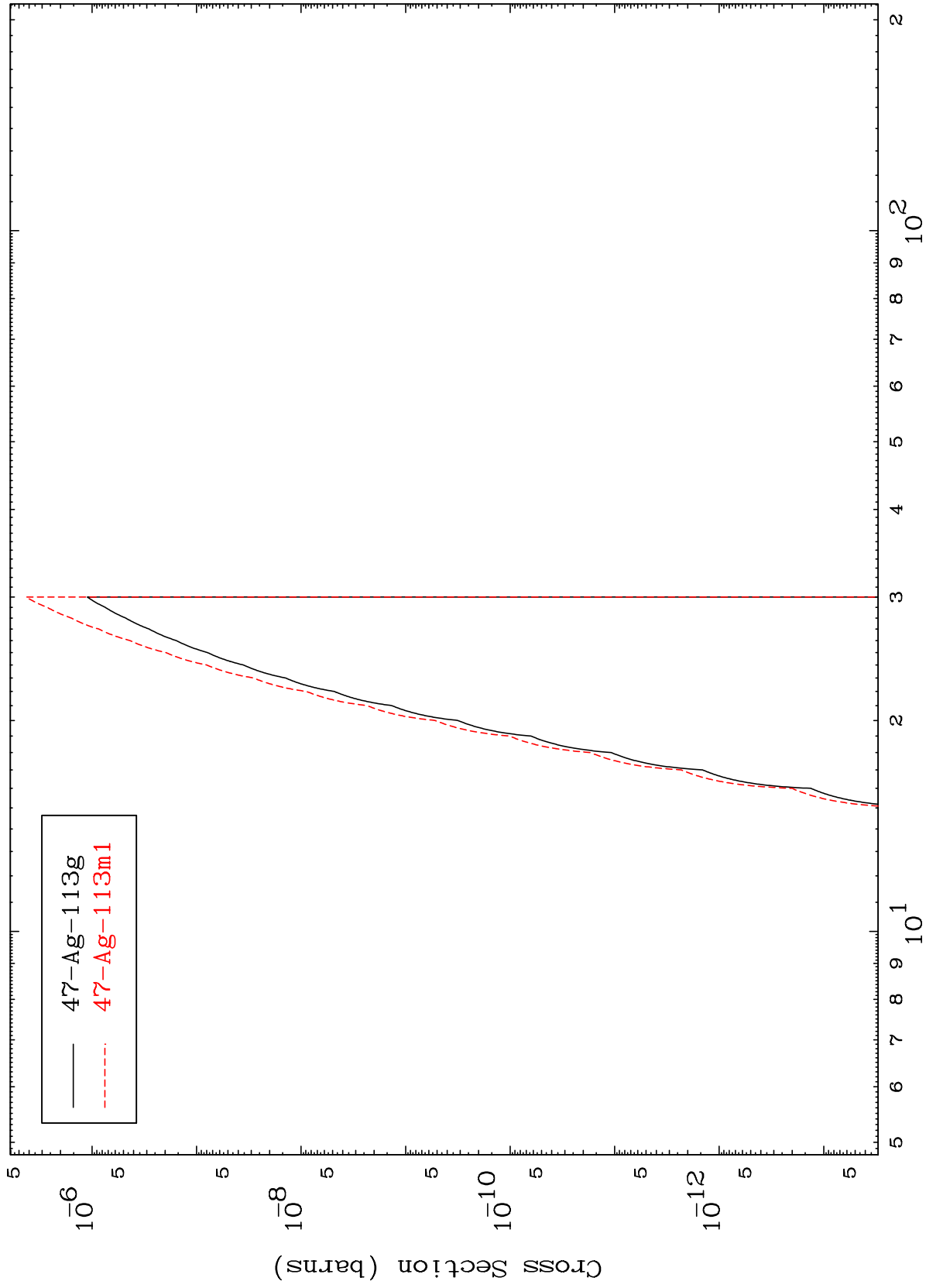
50-Sn-117

MAT 5040

(n,p) α

50-Sn-117

Radionuclide Production Cross Section



126

Incident Energy (MeV)

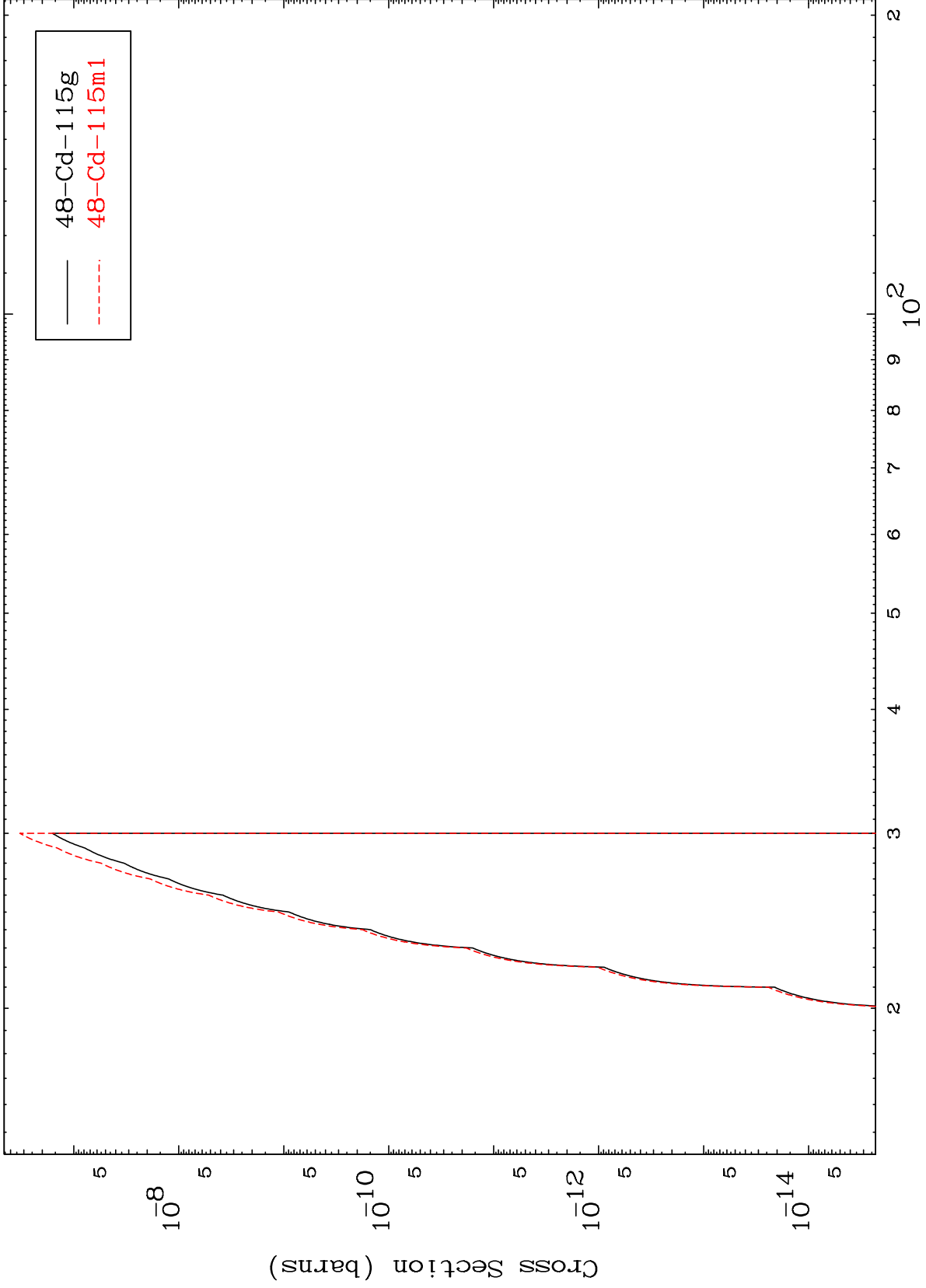
50-Sn-117

MAT 5040

(n,p) d

50-Sn-117

Radionuclide Production Cross Section



127

Incident Energy (MeV)

50-Sn-117