

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

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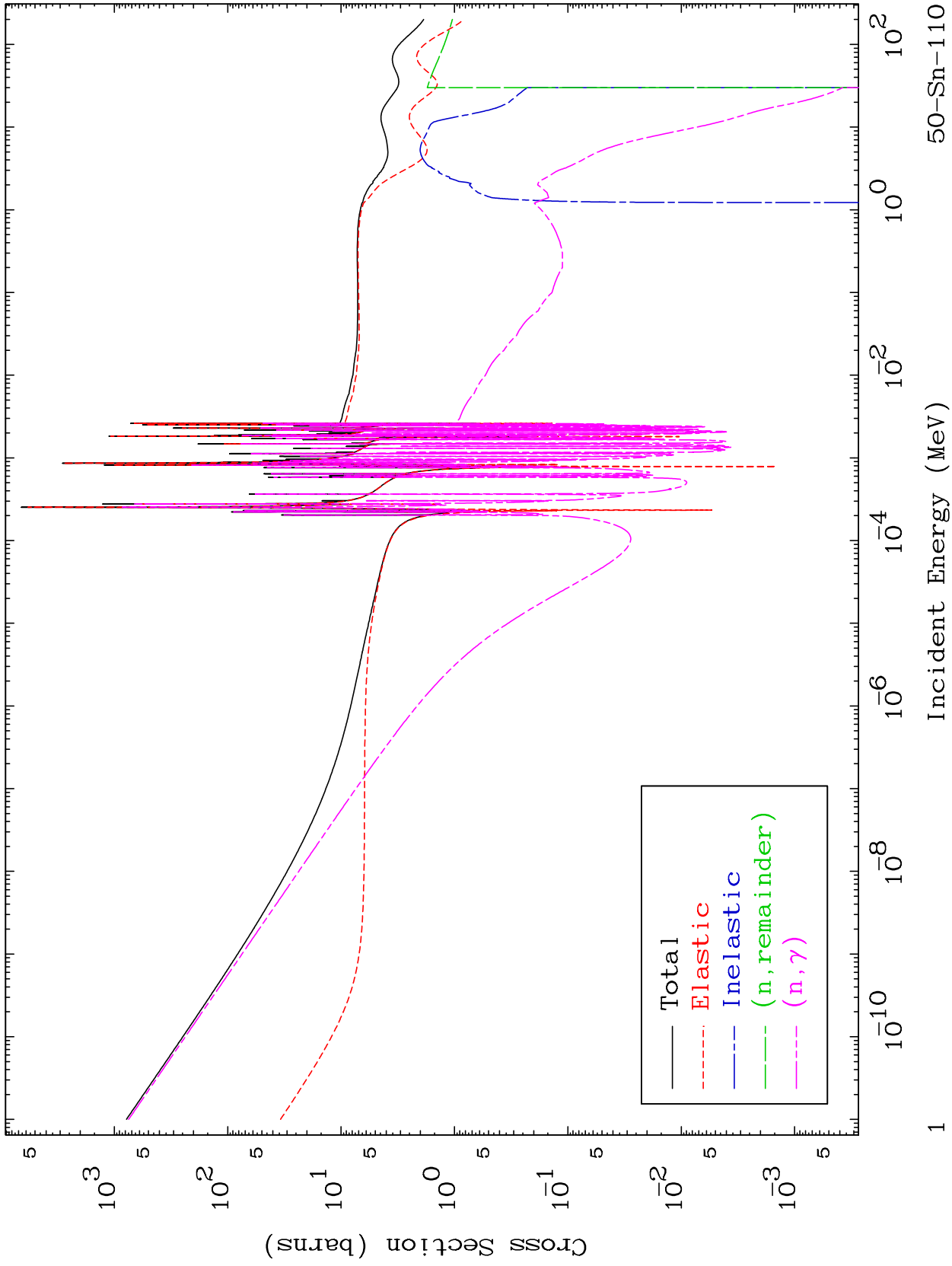
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5019

Major
293 Kelvin Cross Sections

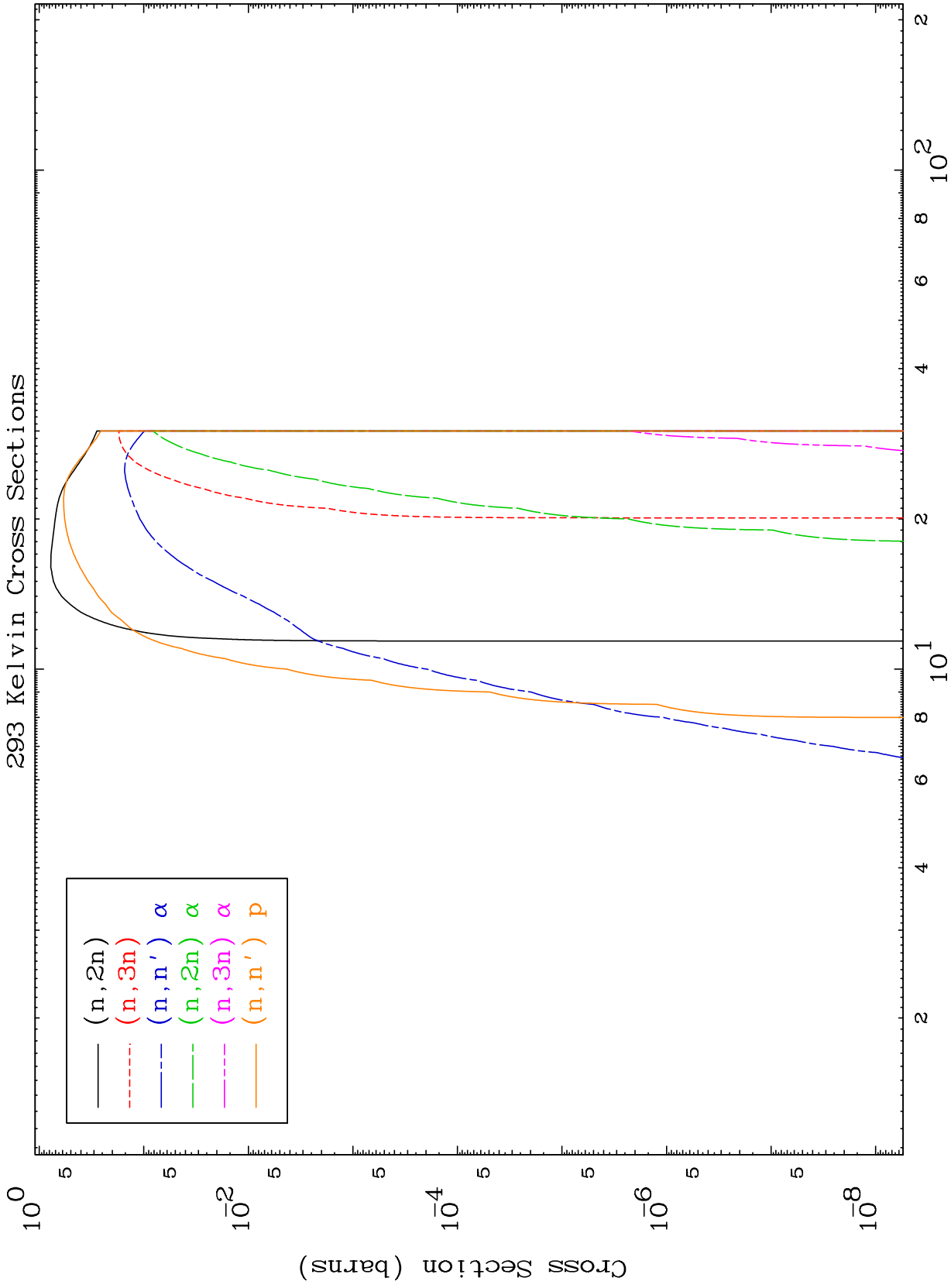
50-Sn-110



MAT 5019

Neutron Production
293 Kelvin Cross Sections

50-Sn-110



2

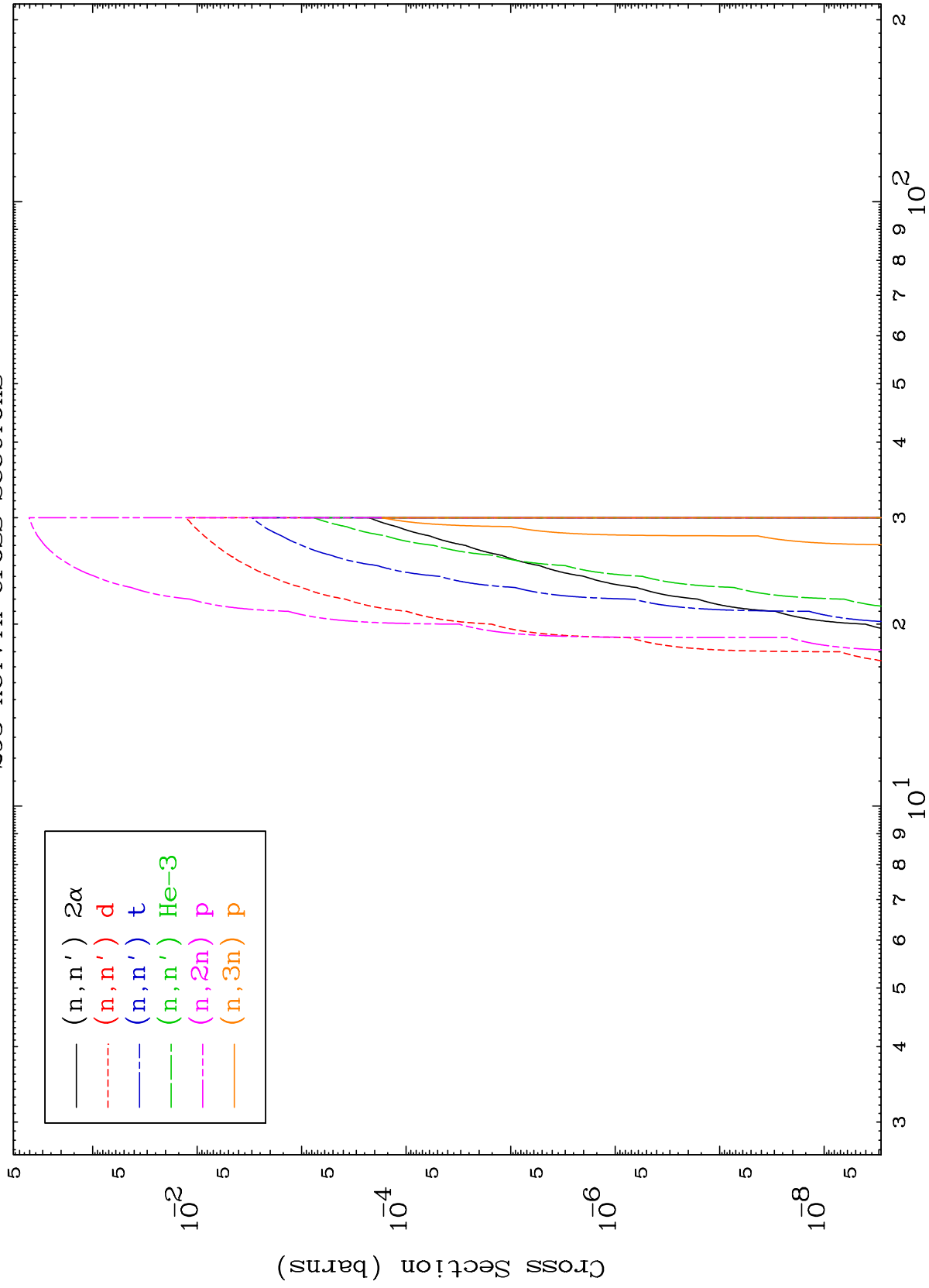
Incident Energy (MeV)

50-Sn-110

MAT 5019

Neutron Production
293 Kelvin Cross Sections

50-Sn-110



3

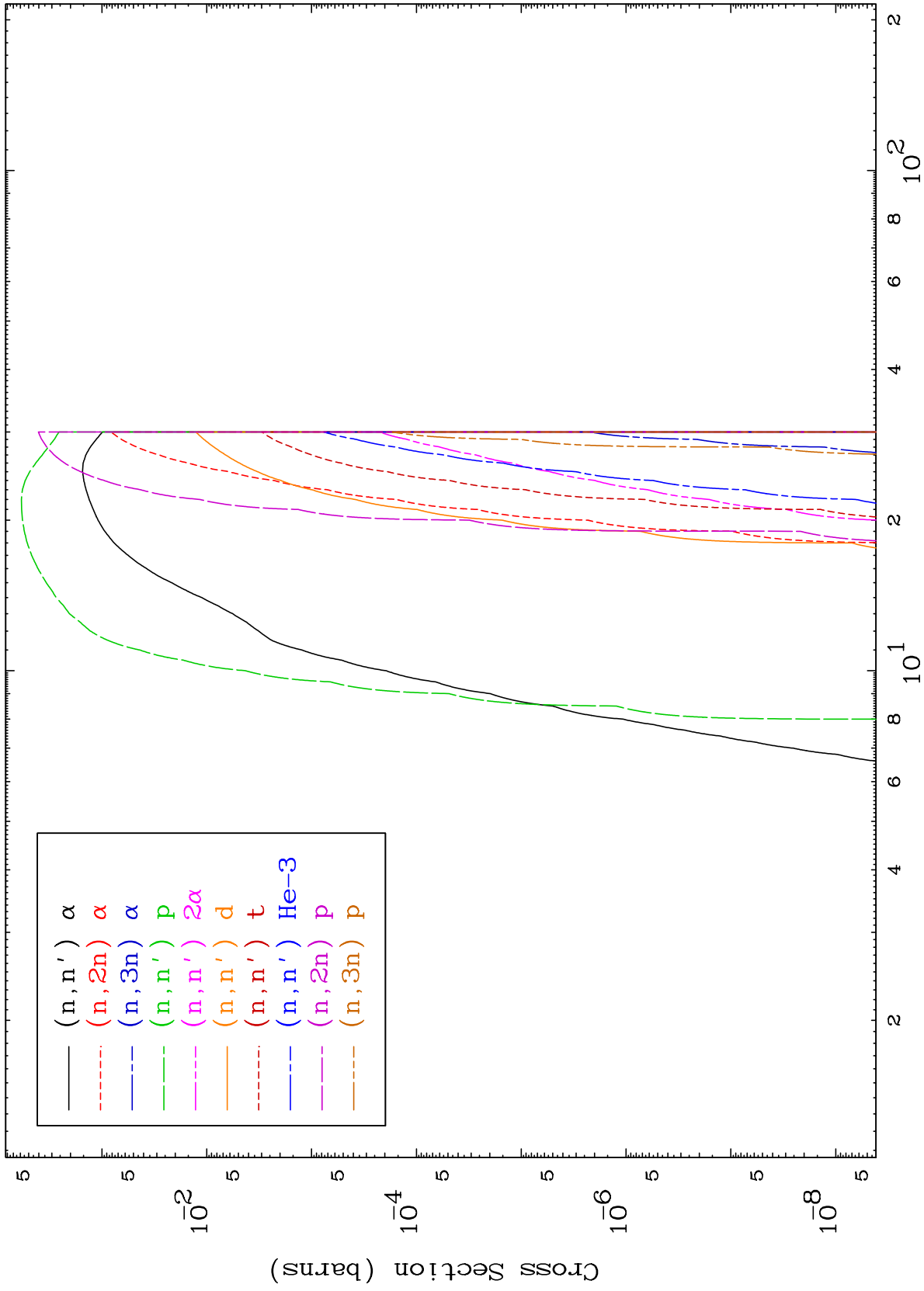
Incident Energy (MeV)

50-Sn-110

MAT 5019

293 Kelvin Cross Sections

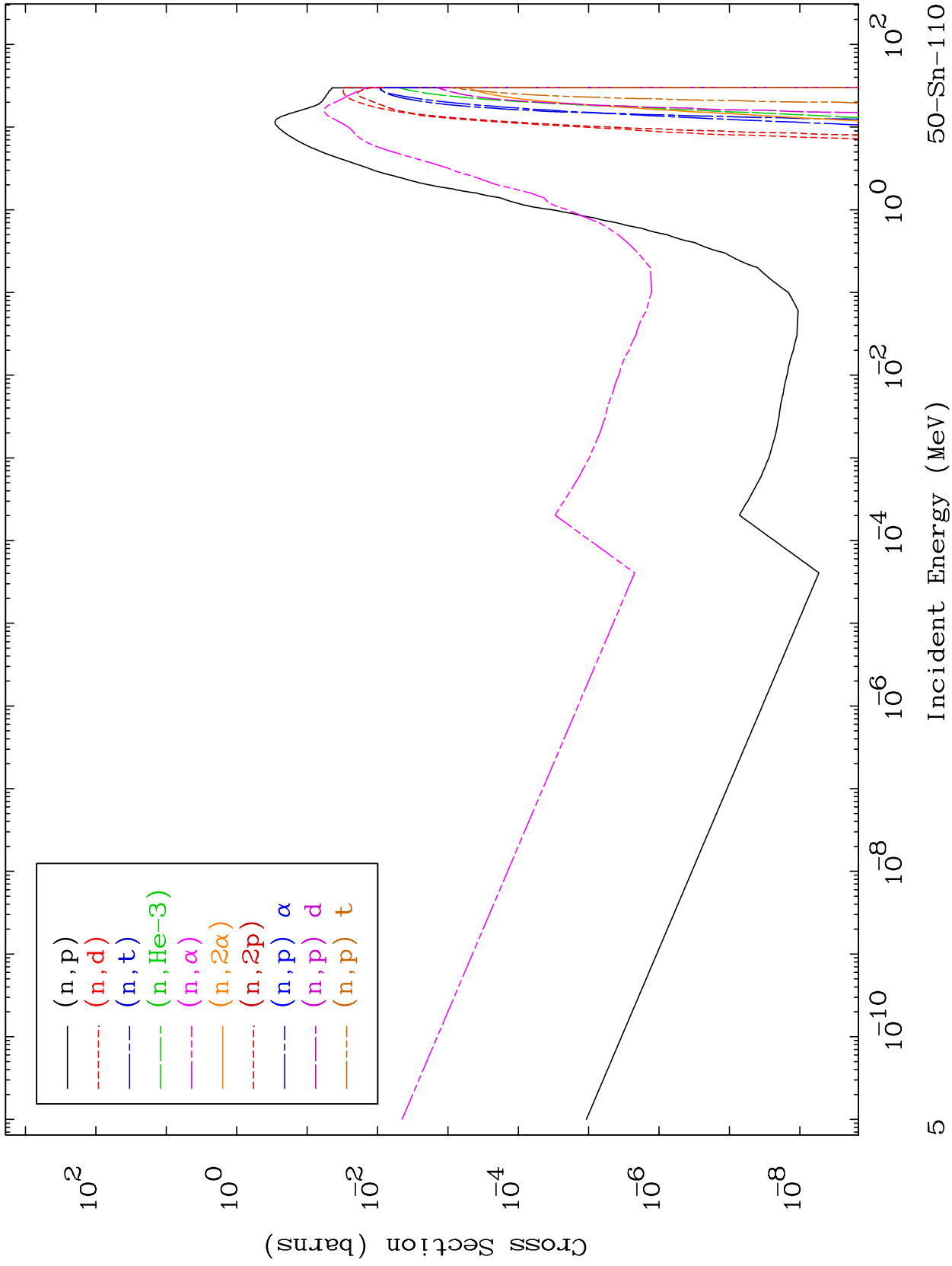
50-Sn-110



MAT 5019

293 Kelvin Cross Sections

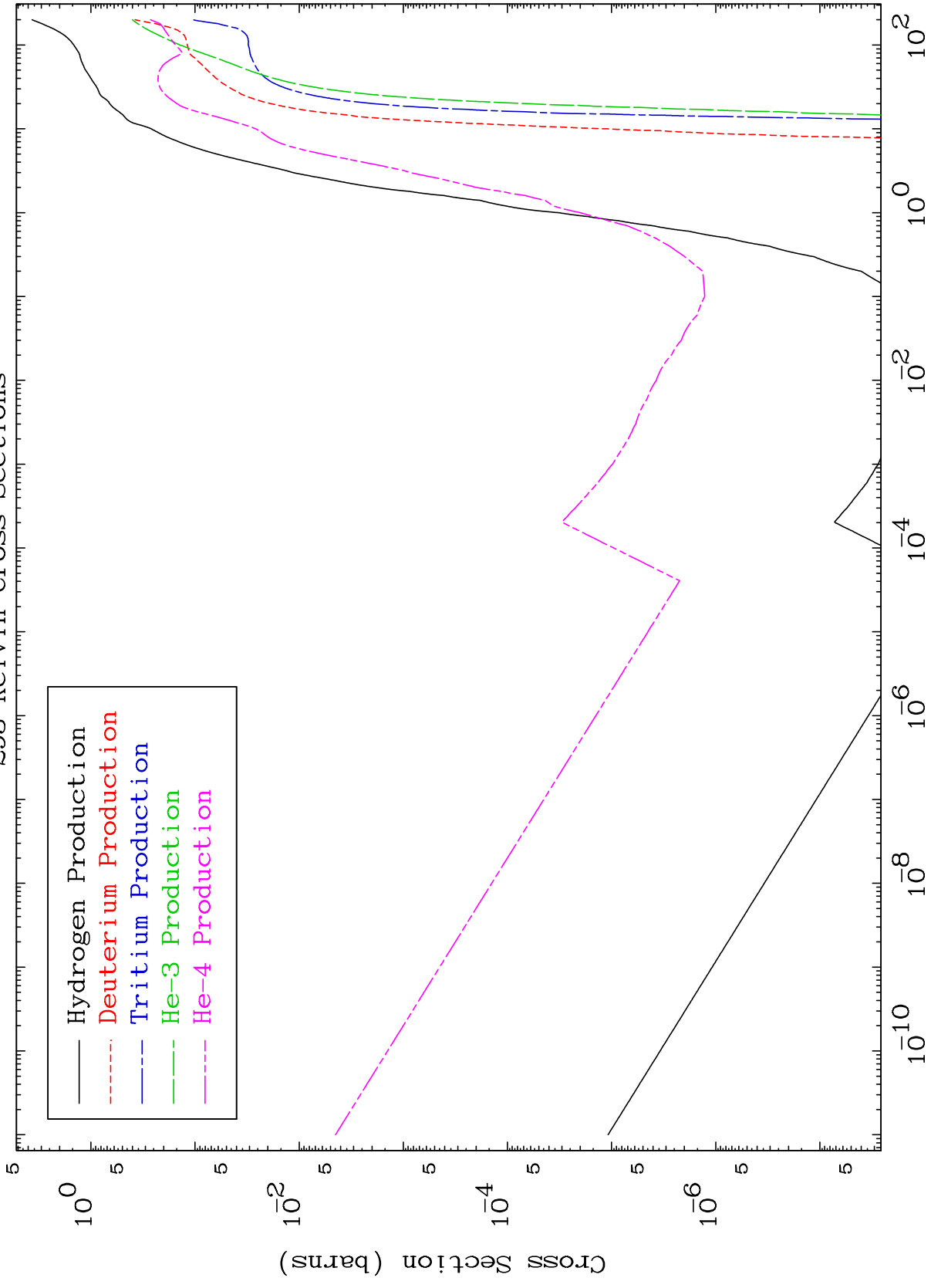
50-Sn-110



MAT 5019

Particle Production
293 Kelvin Cross Sections

50-Sn-110



6

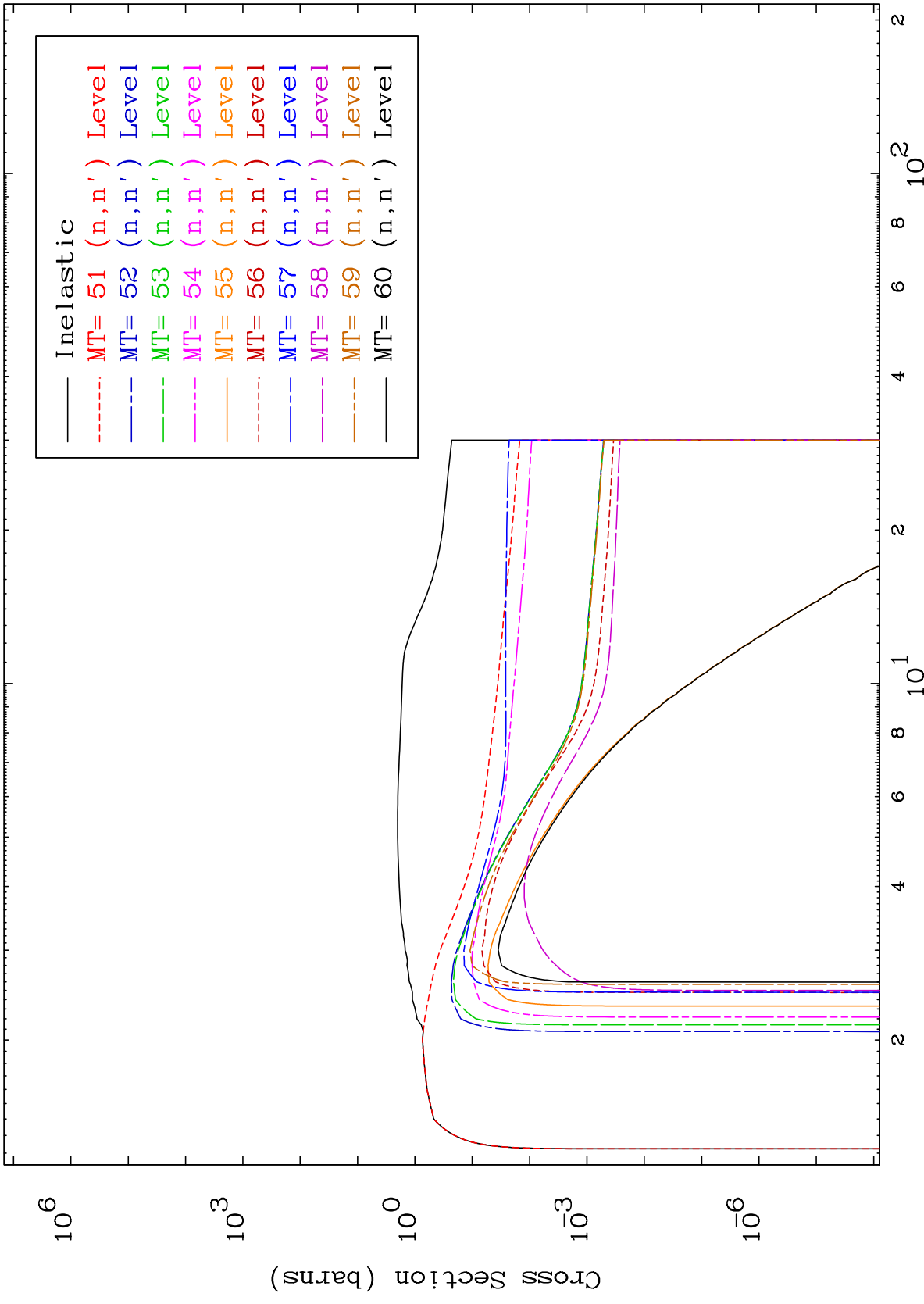
50-Sn-110

MAT 5019

(n,n') Level

50-Sn-110

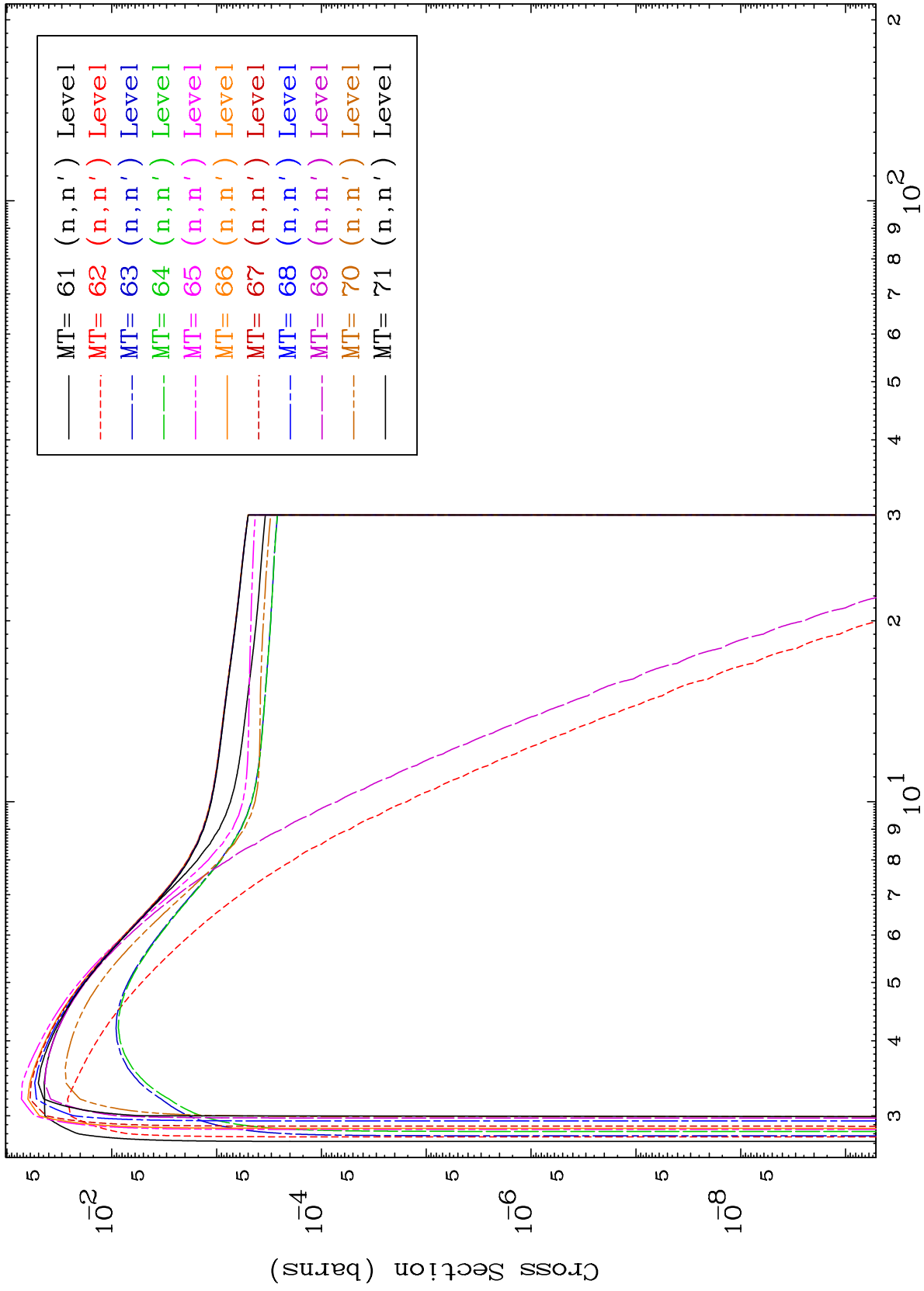
293 Kelvin Cross Sections



MAT 5019

(n,n') Level
293 Kelvin Cross Sections

50-Sn-110



8

Incident Energy (MeV)

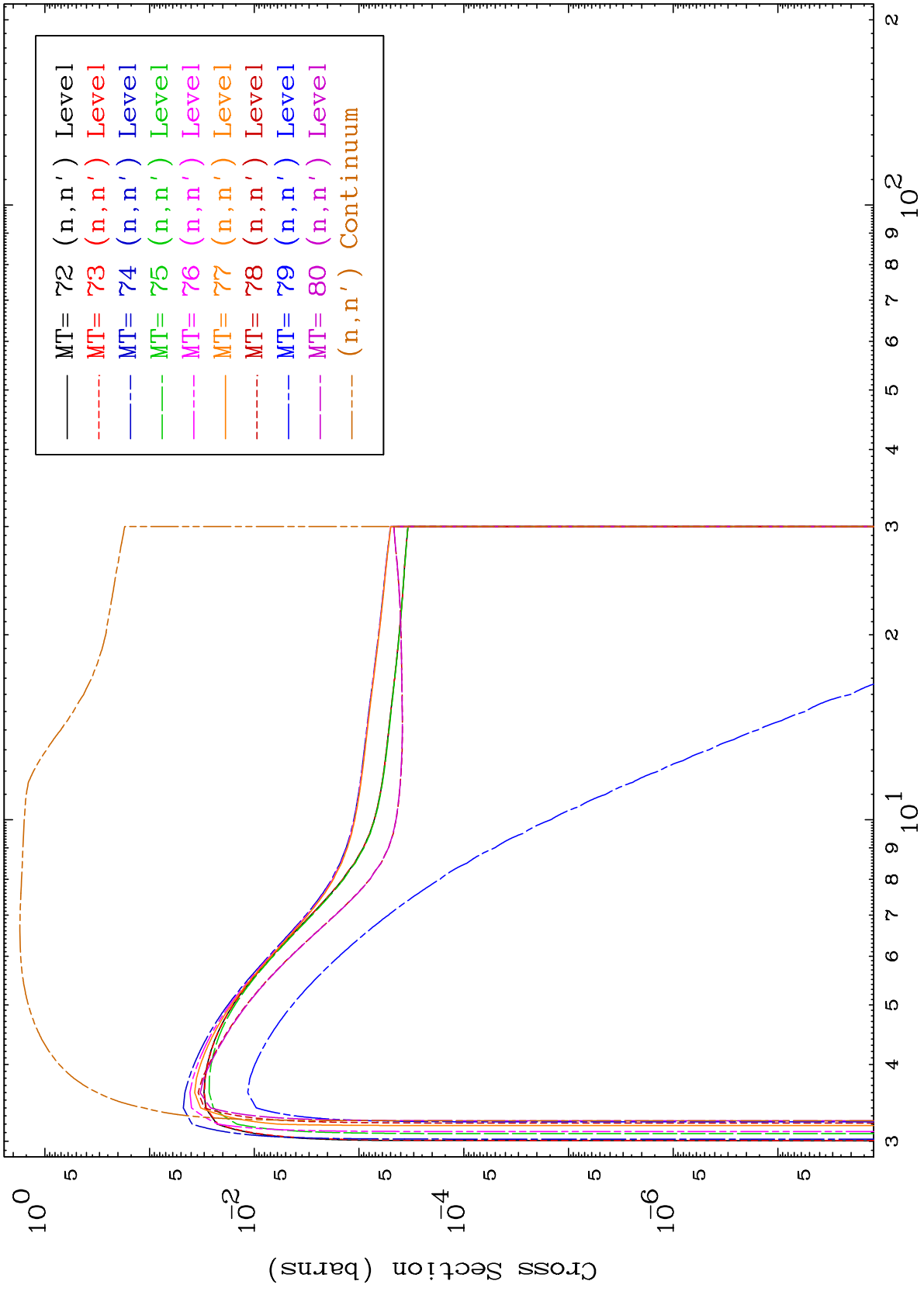
50-Sn-110

MAT 5019

(n,n') Level

50-Sn-110

293 Kelvin Cross Sections



9

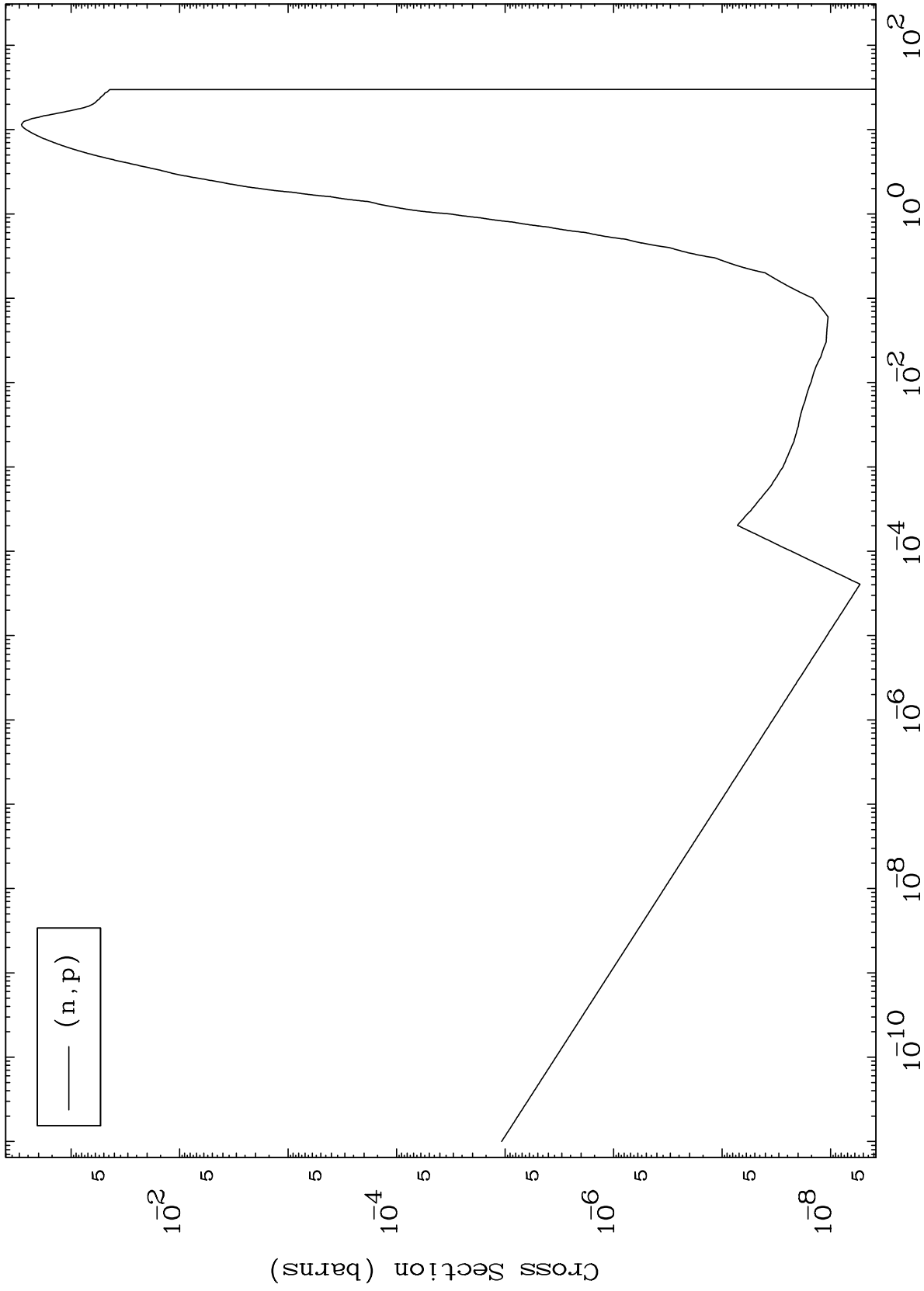
Incident Energy (MeV)

50-Sn-110

MAT 5019

(n,p) Levels
293 Kelvin Cross Sections

50-Sn-110



(n,p)

10

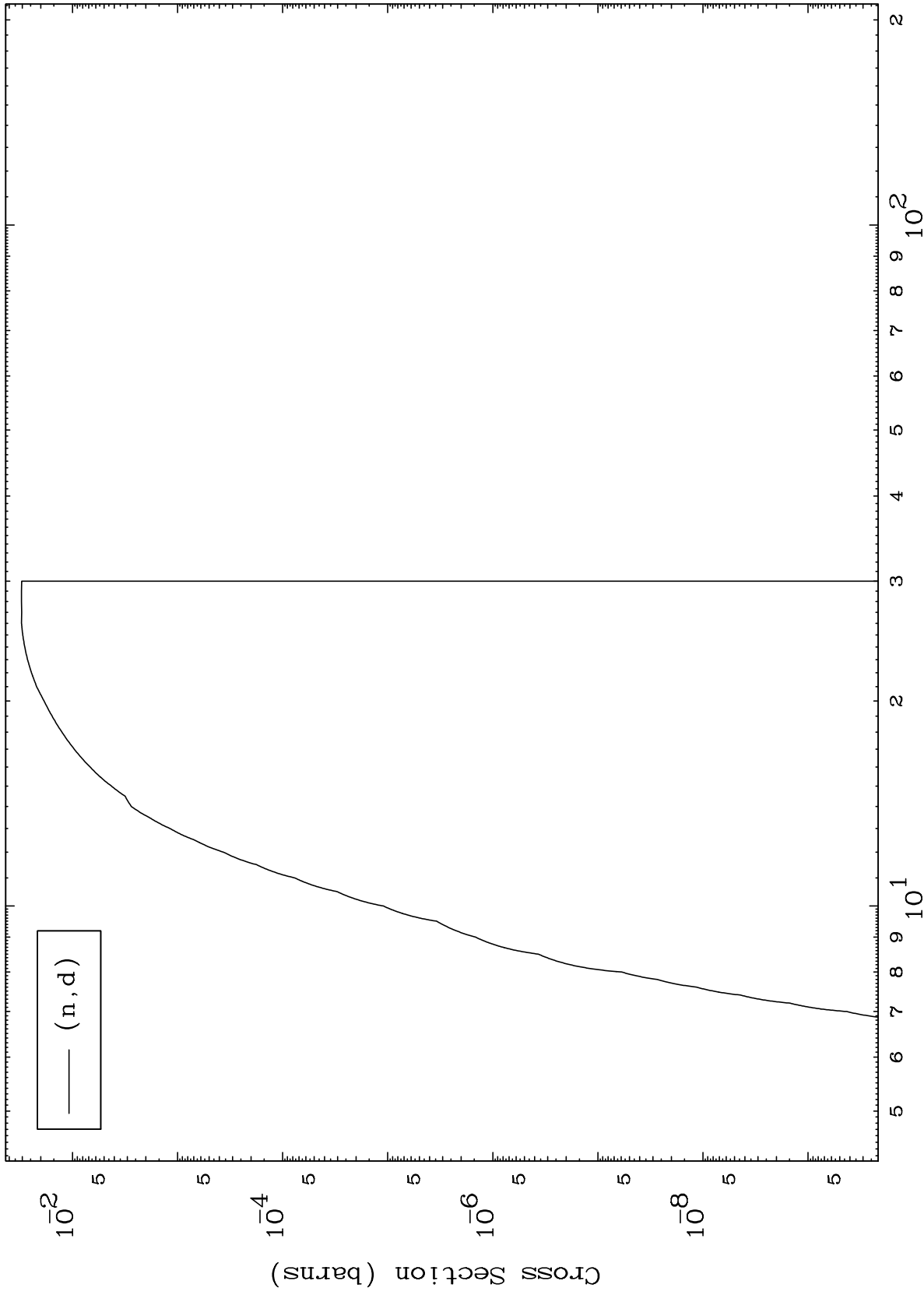
Incident Energy (MeV)

50-Sn-110

MAT 5019

(n,d) Levels
293 Kelvin Cross Sections

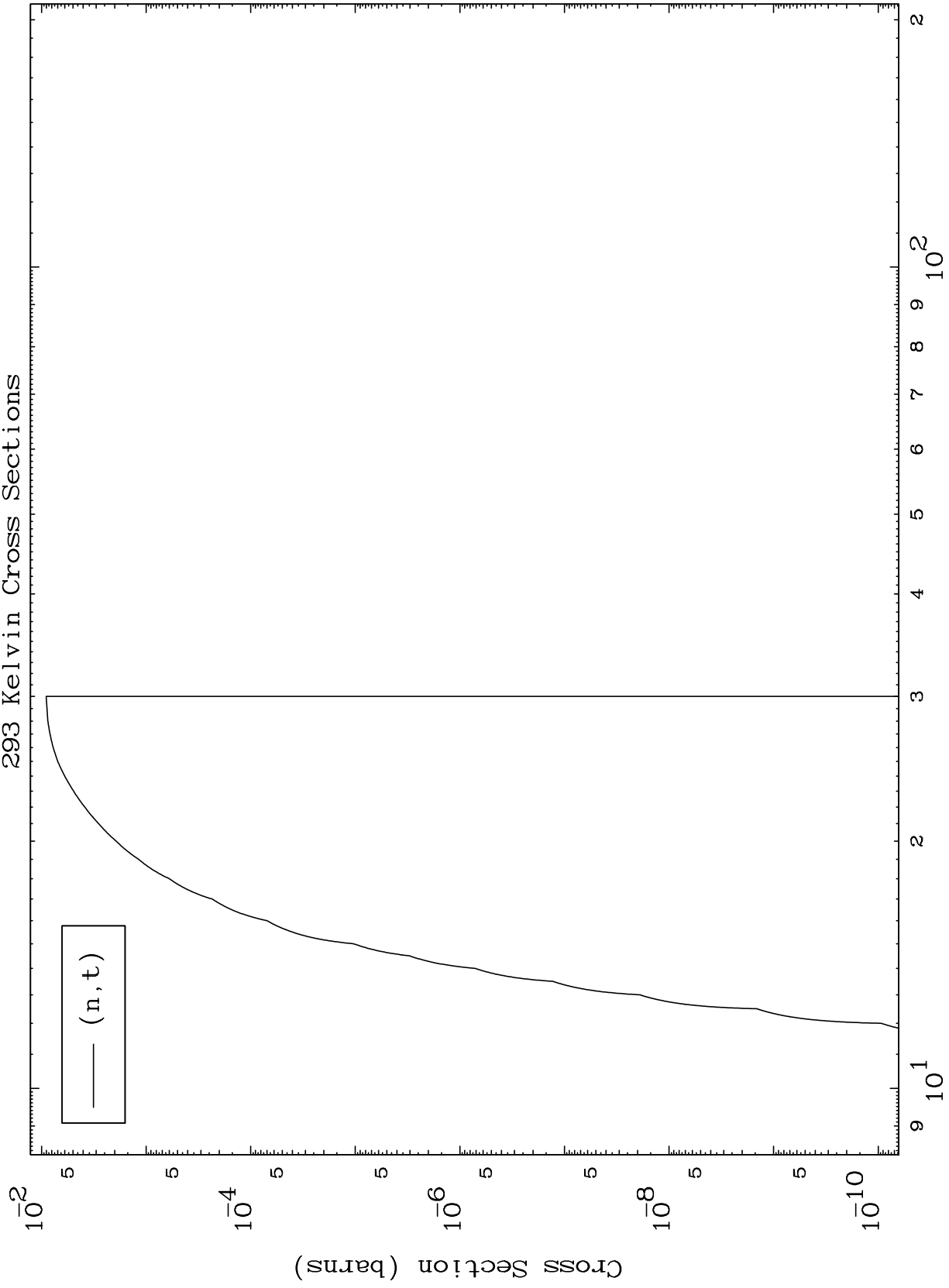
50-Sn-110



MAT 5019

(n,t) Levels
293 Kelvin Cross Sections

50-Sn-110



12

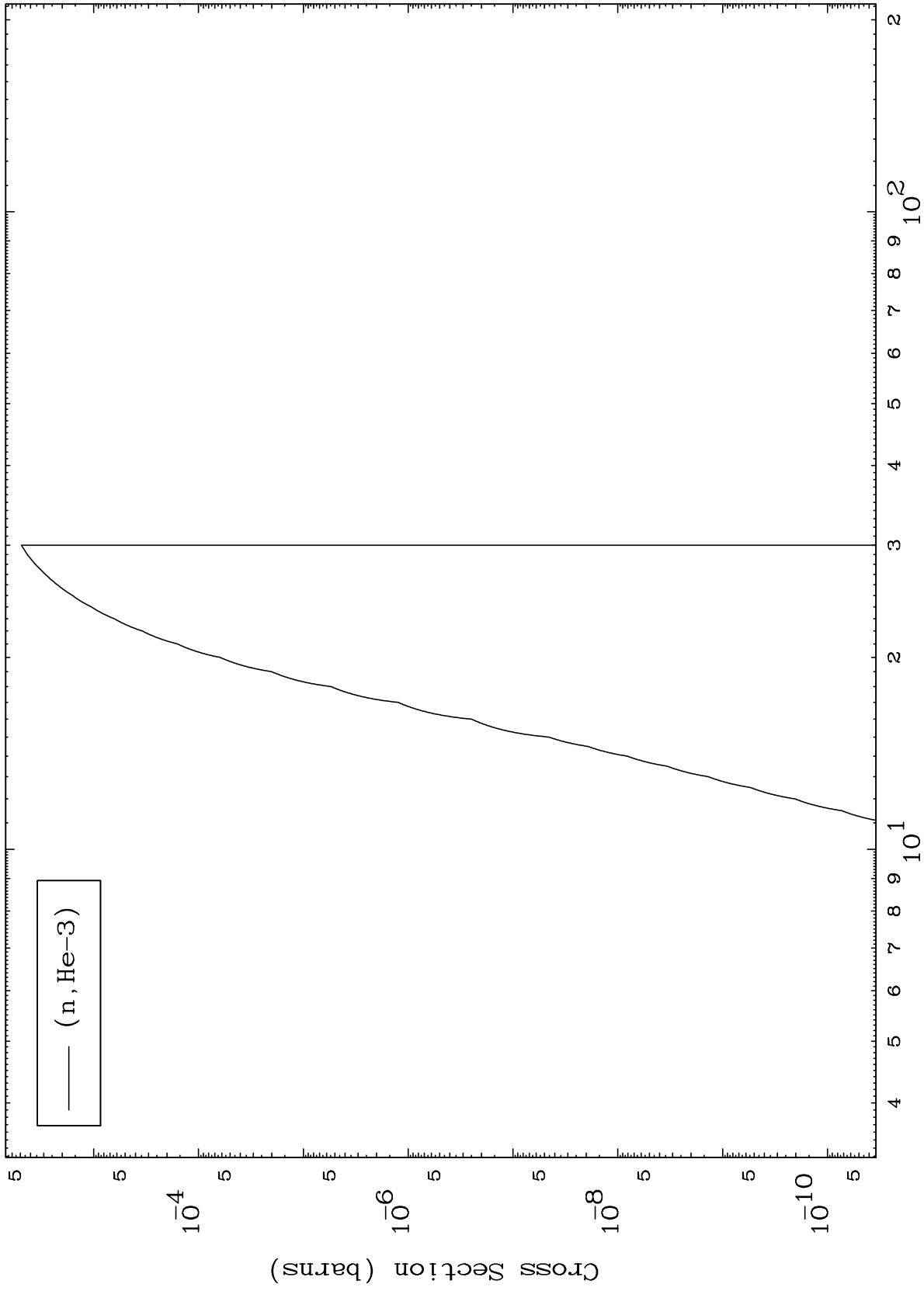
Incident Energy (MeV)

50-Sn-110

MAT 5019

(n,He3) Levels
293 Kelvin Cross Sections

50-Sn-110



13

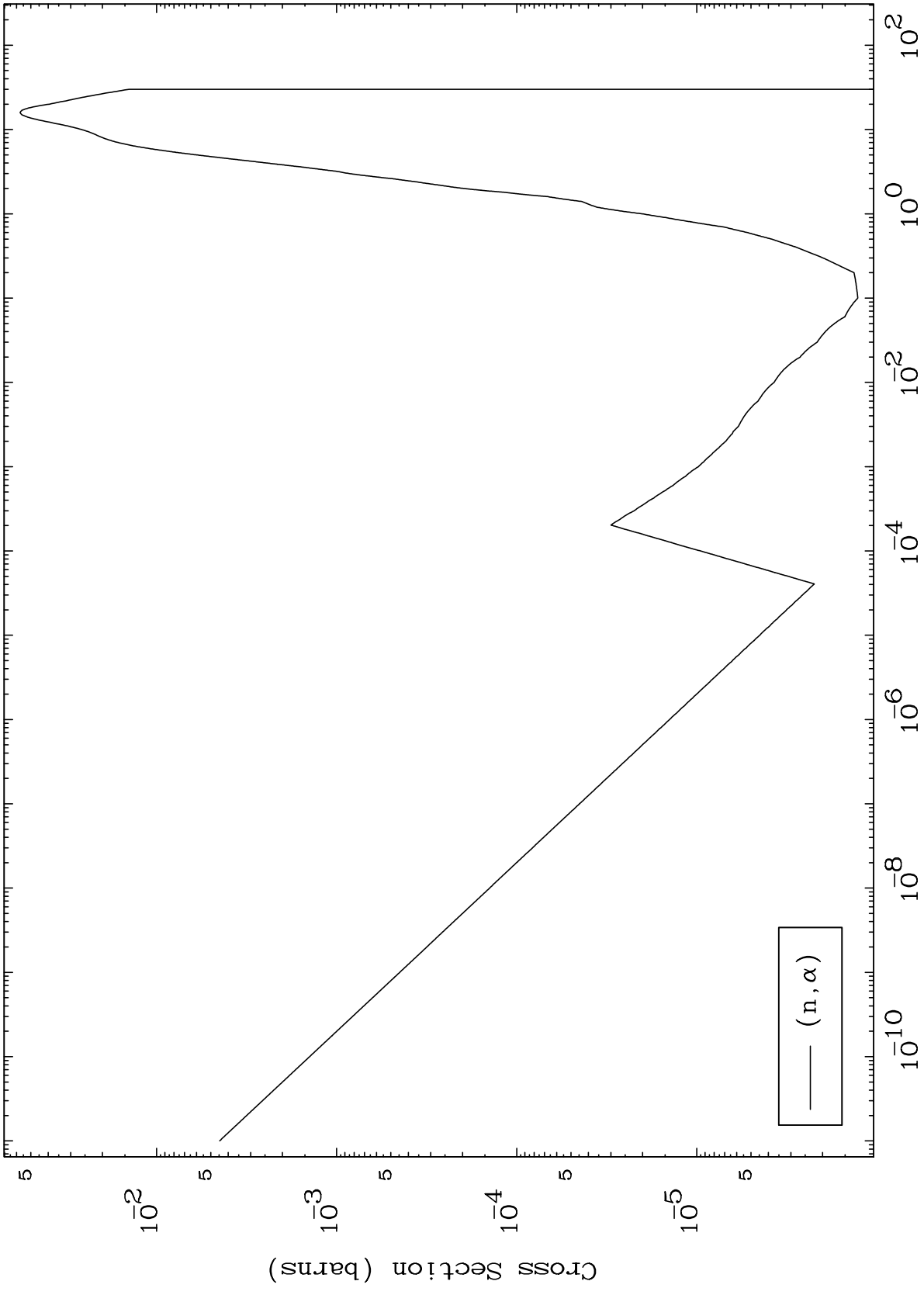
Incident Energy (MeV)

50-Sn-110

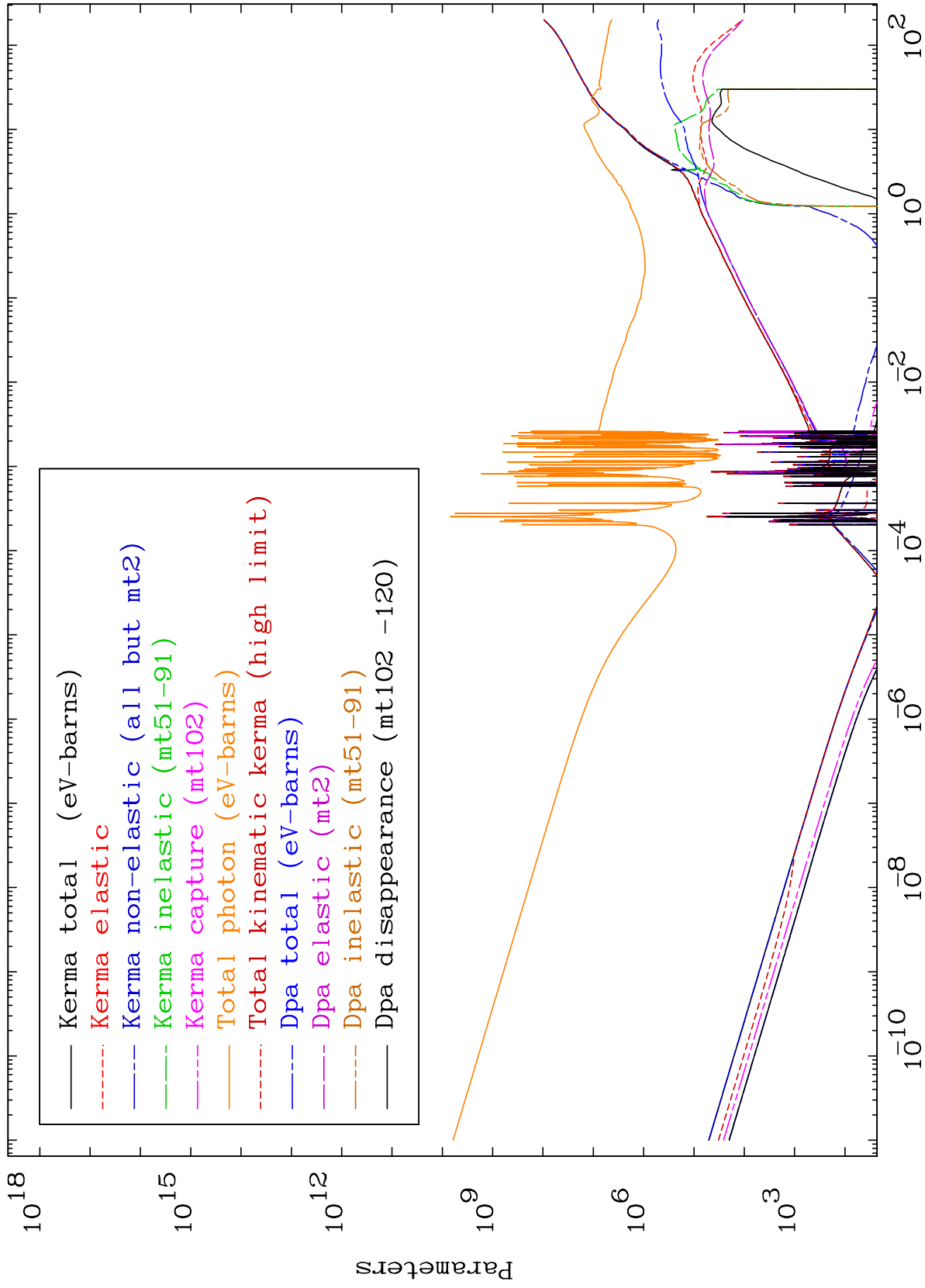
MAT 5019

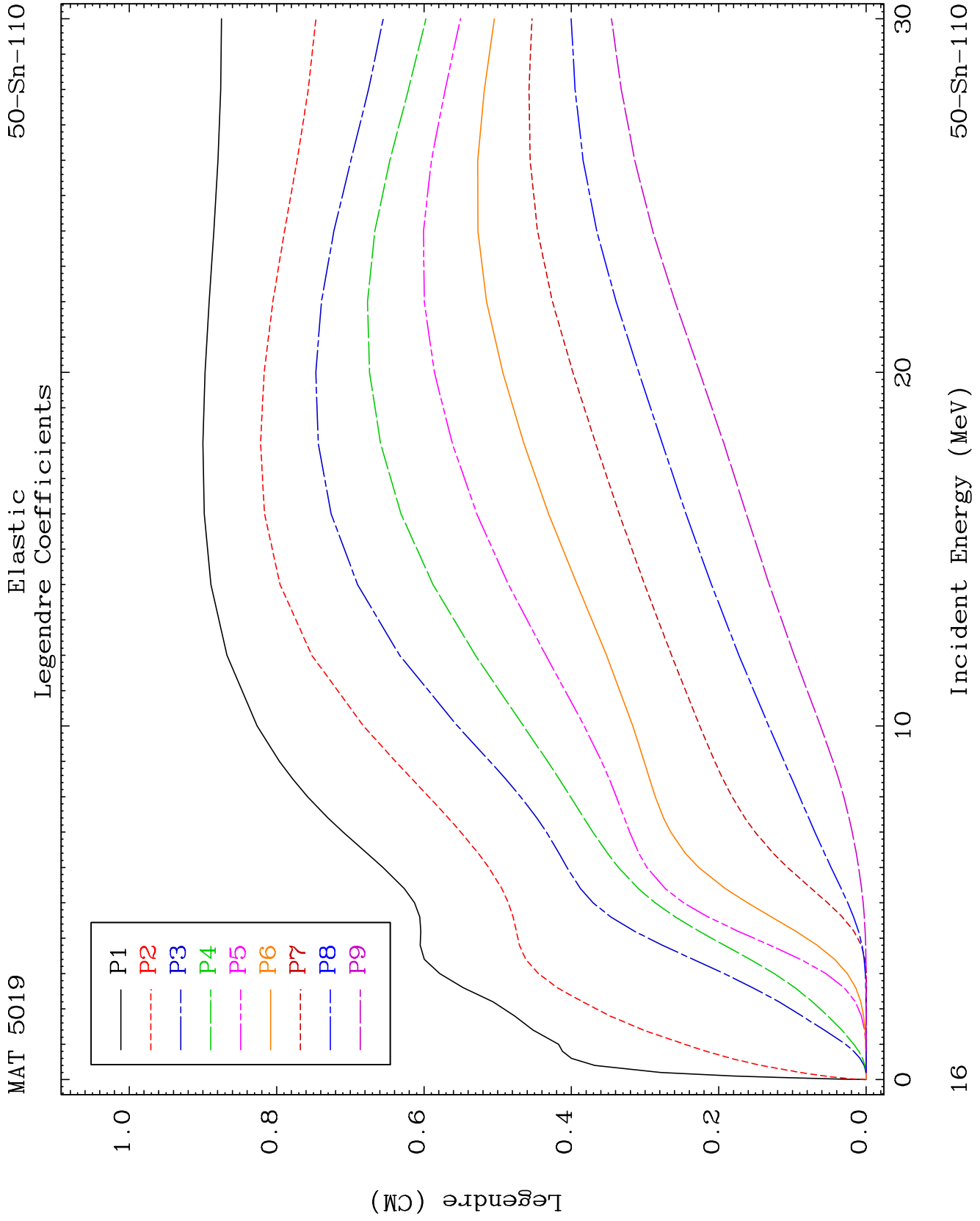
(n, α) Levels
293 Kelvin Cross Sections

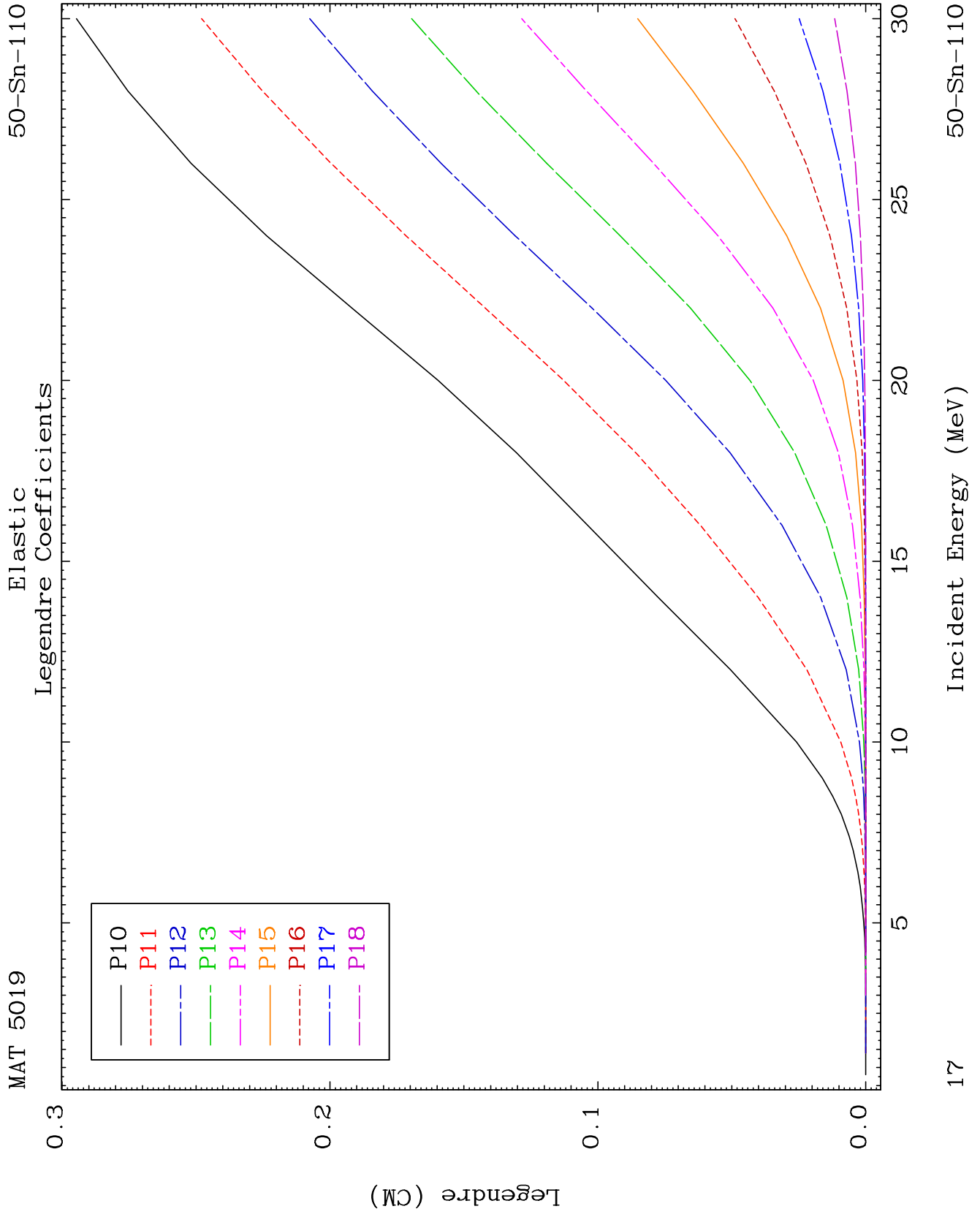
50-Sn-110

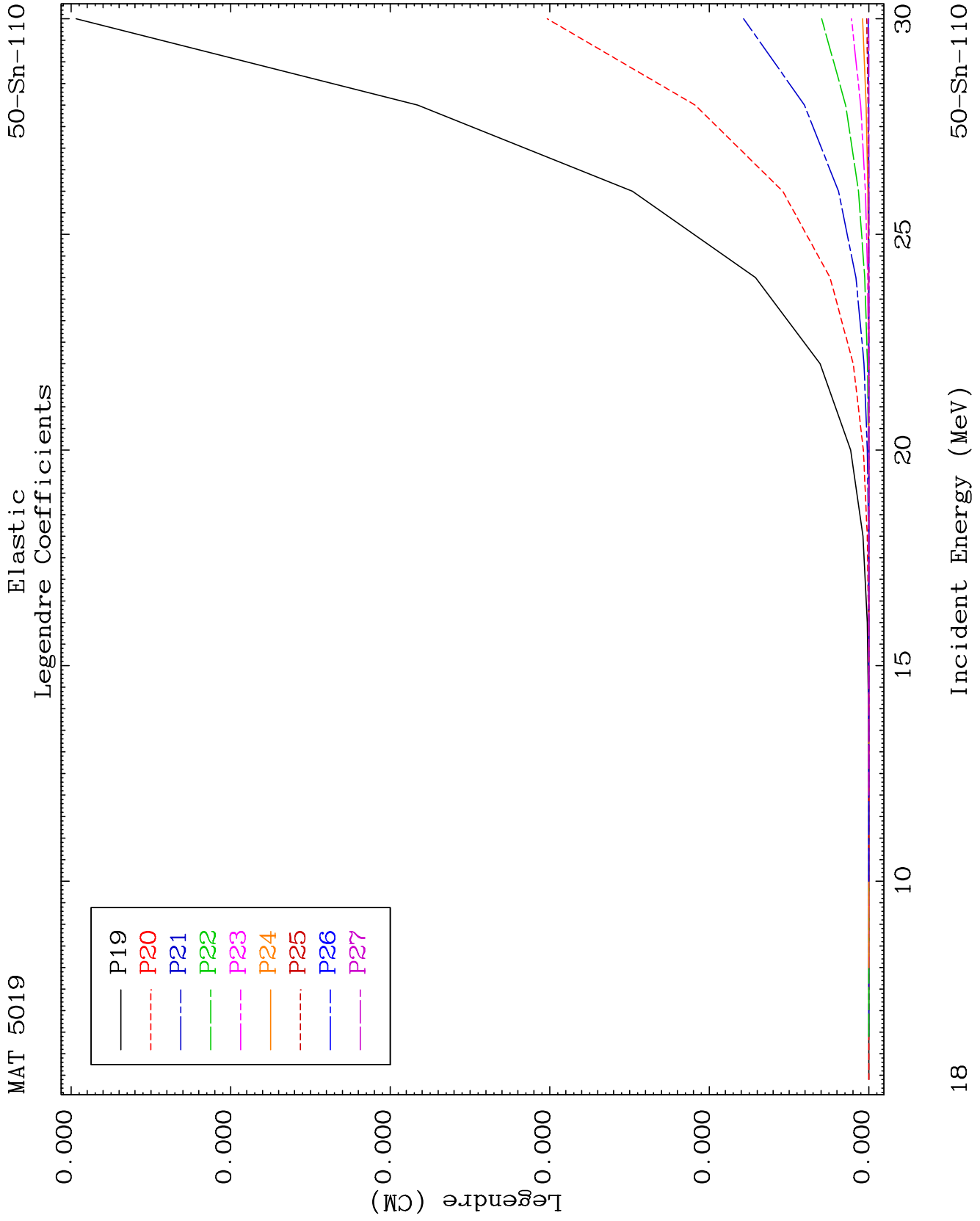


— (n, α)





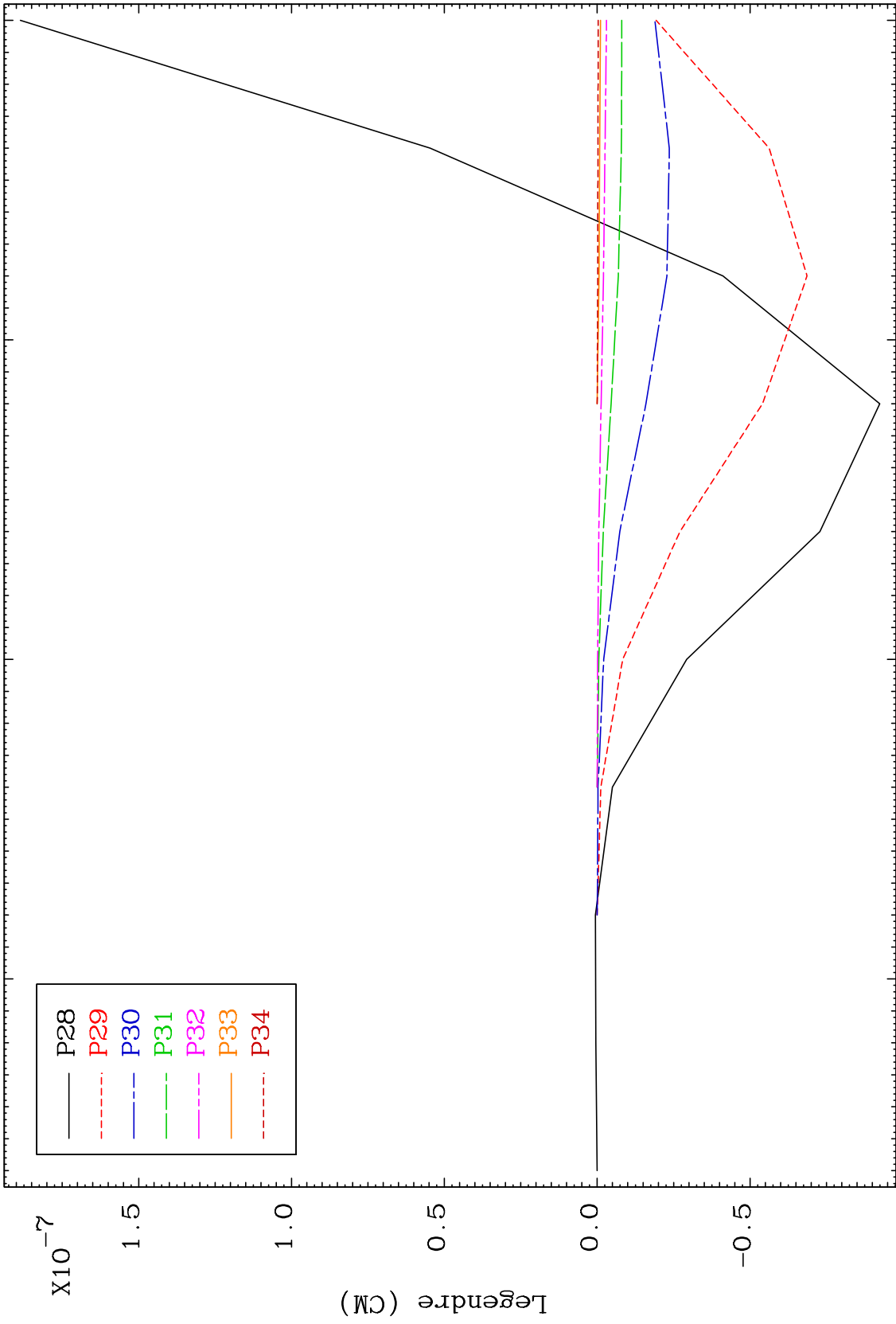




MAT 5019

Elastic Legendre Coefficients

50-Sn-110

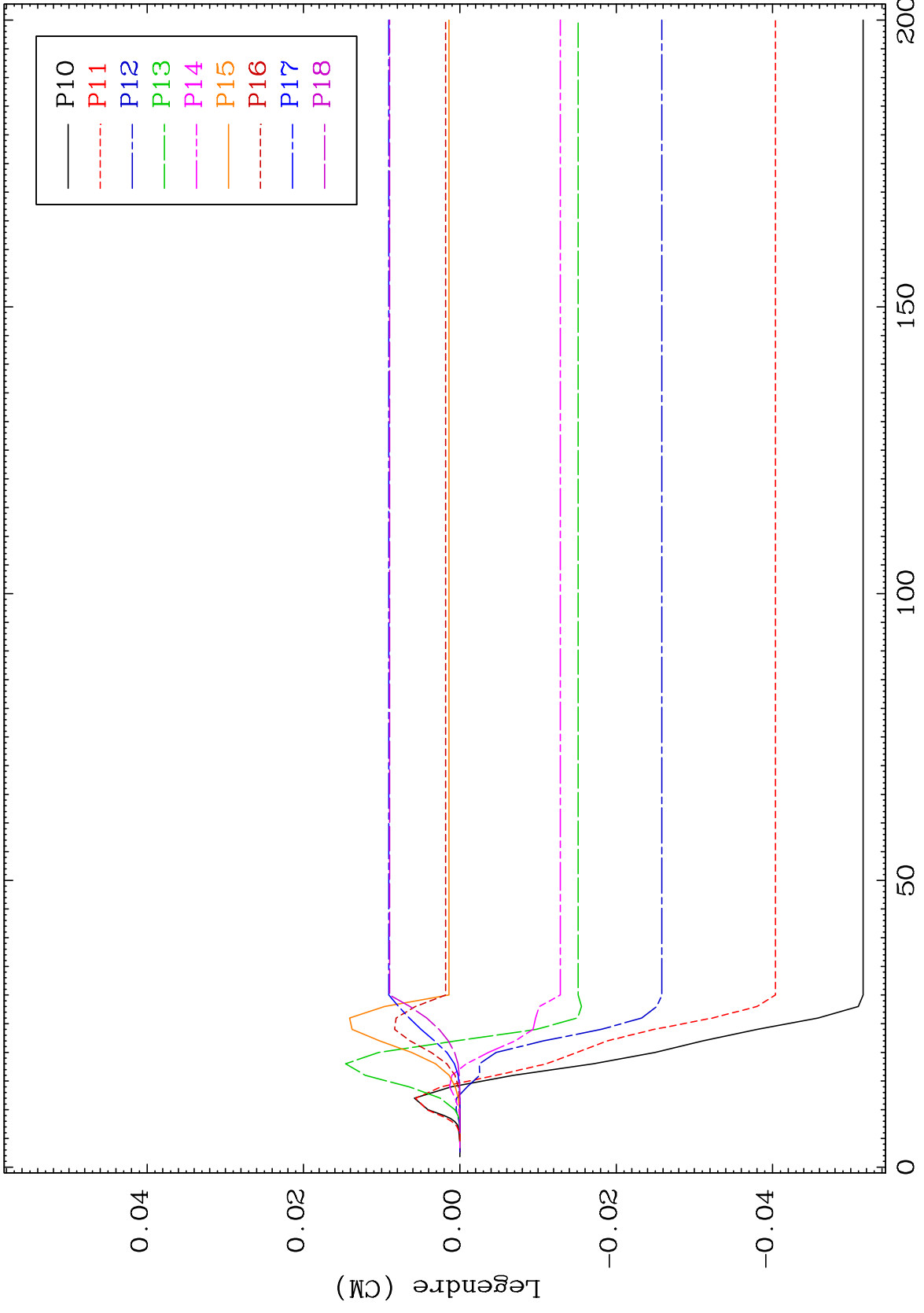


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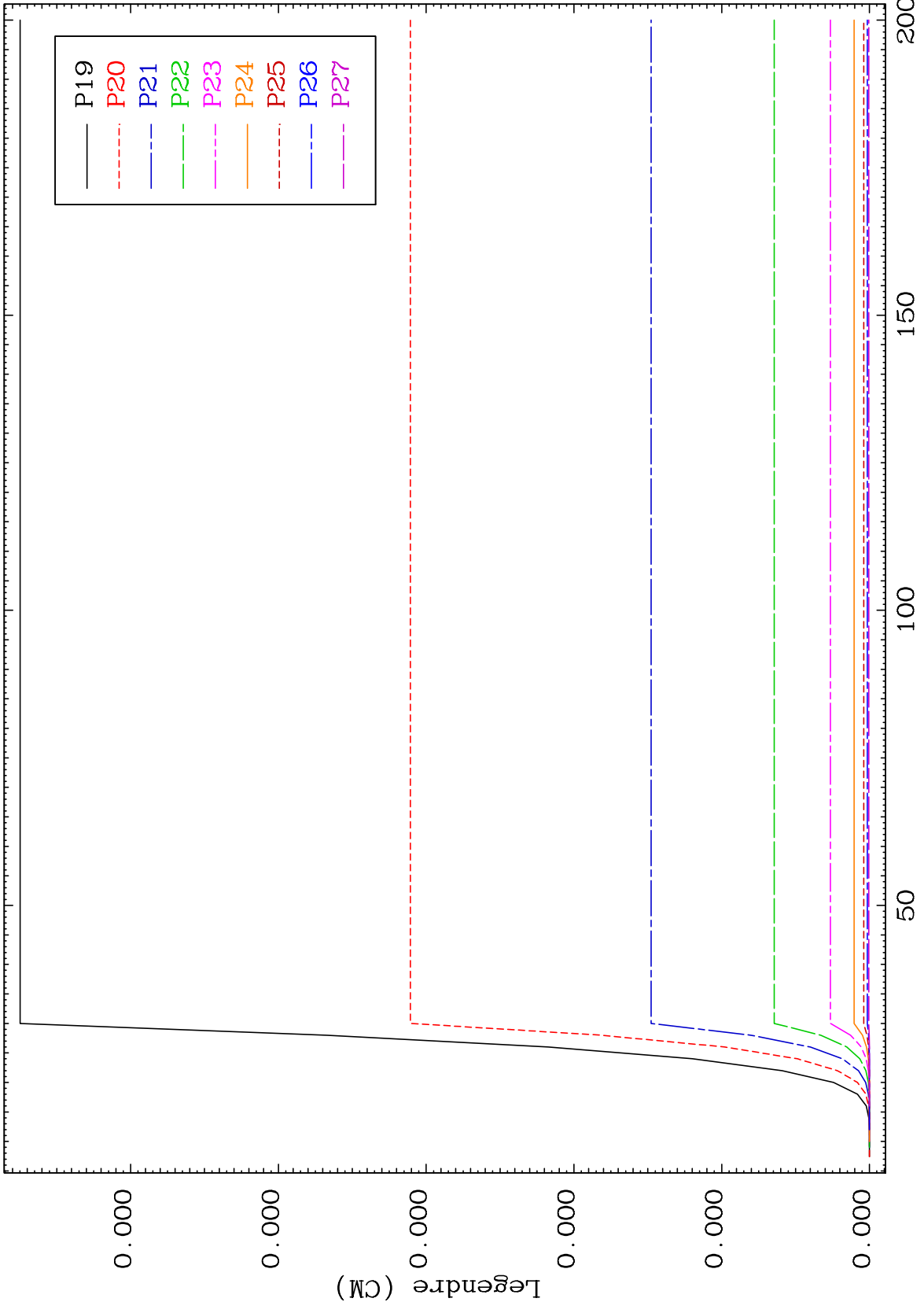
Incident Energy (MeV)

50-Sn-110

MAT 5019 MT= 51 (n,n') Level Legendre Coefficients 50-Sn-110



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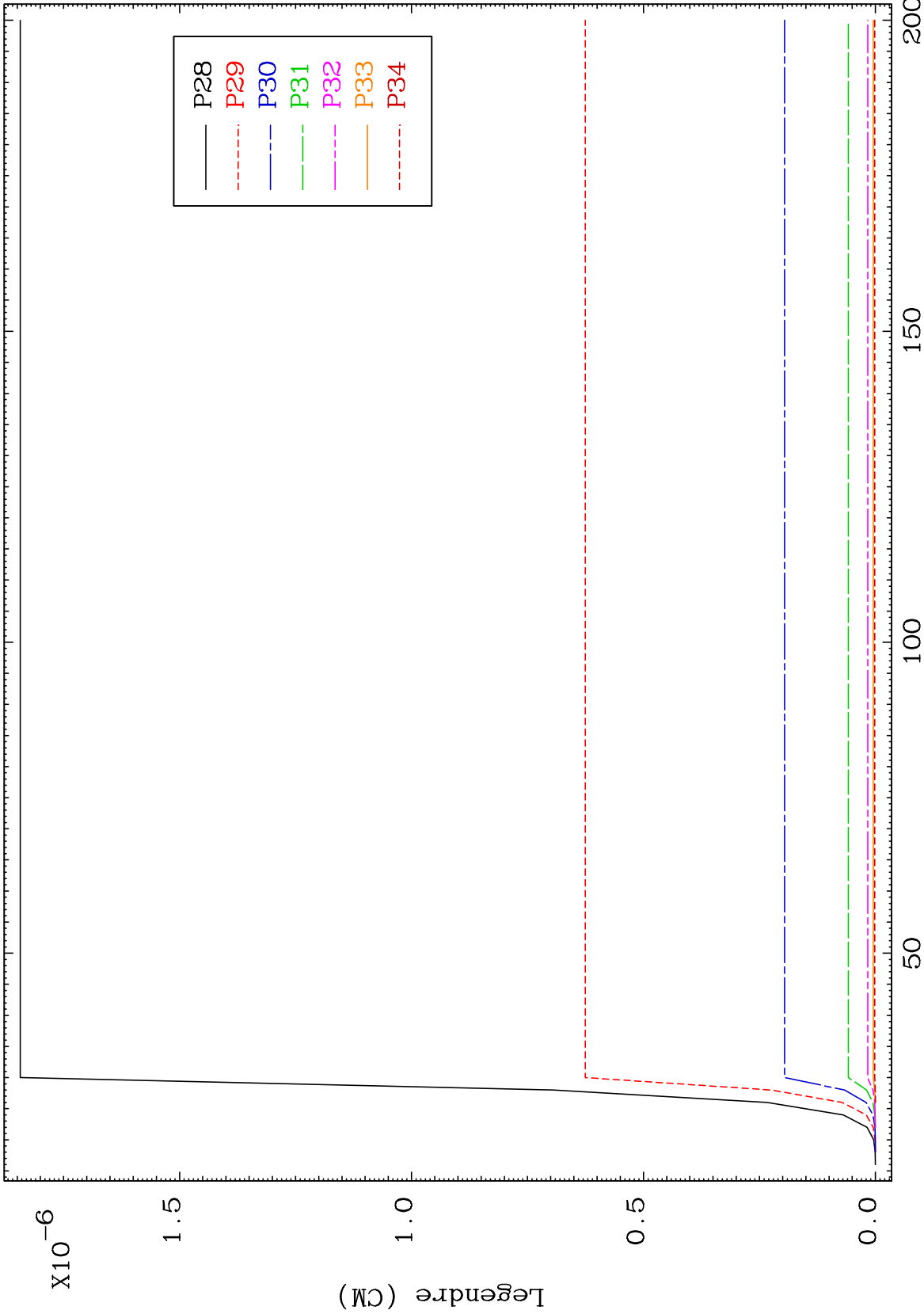
22

50-Sn-110

MAT 5019

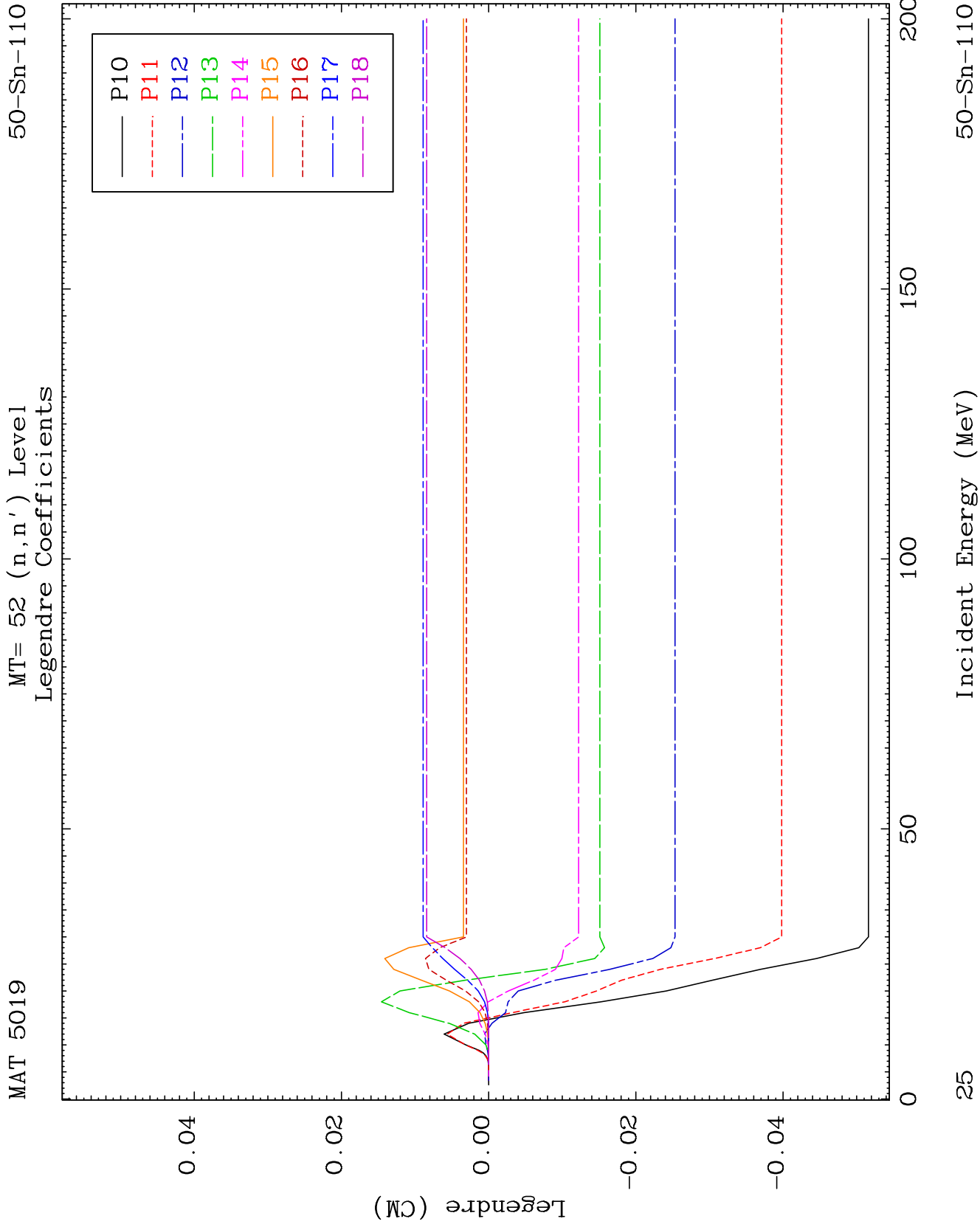
MT= 51 (n,n') Level
Legendre Coefficients

50-Sn-110

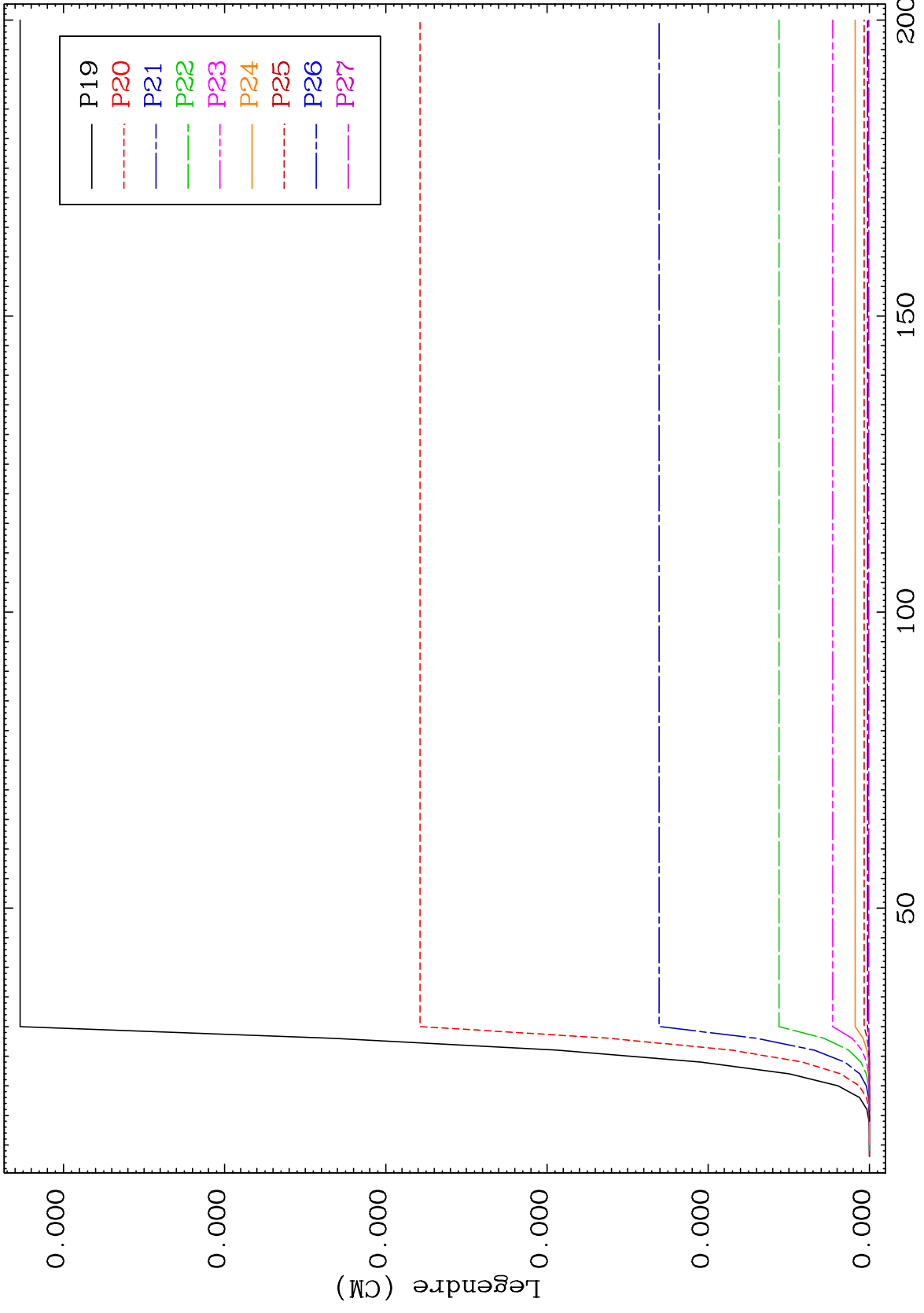


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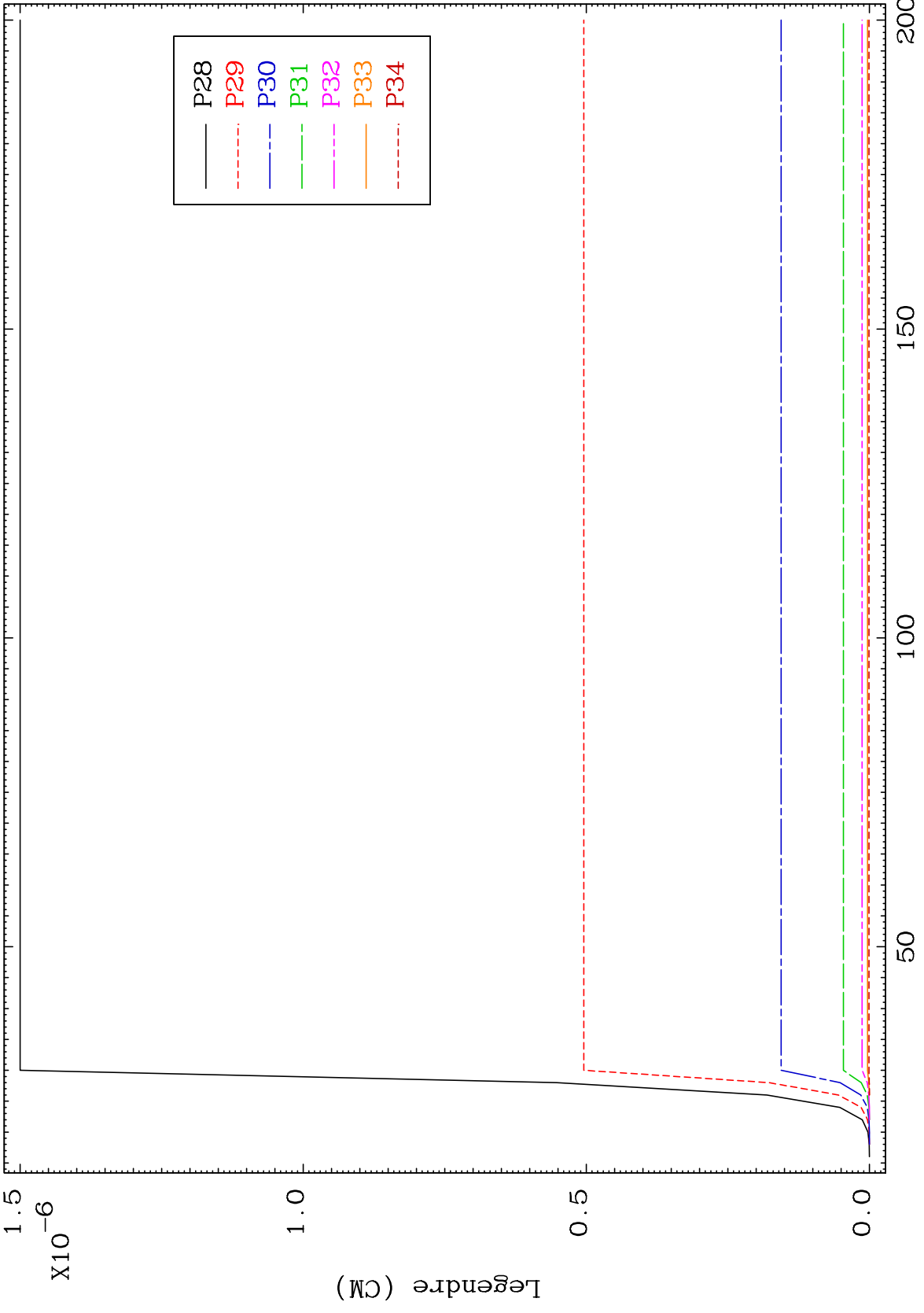
50-Sn-110



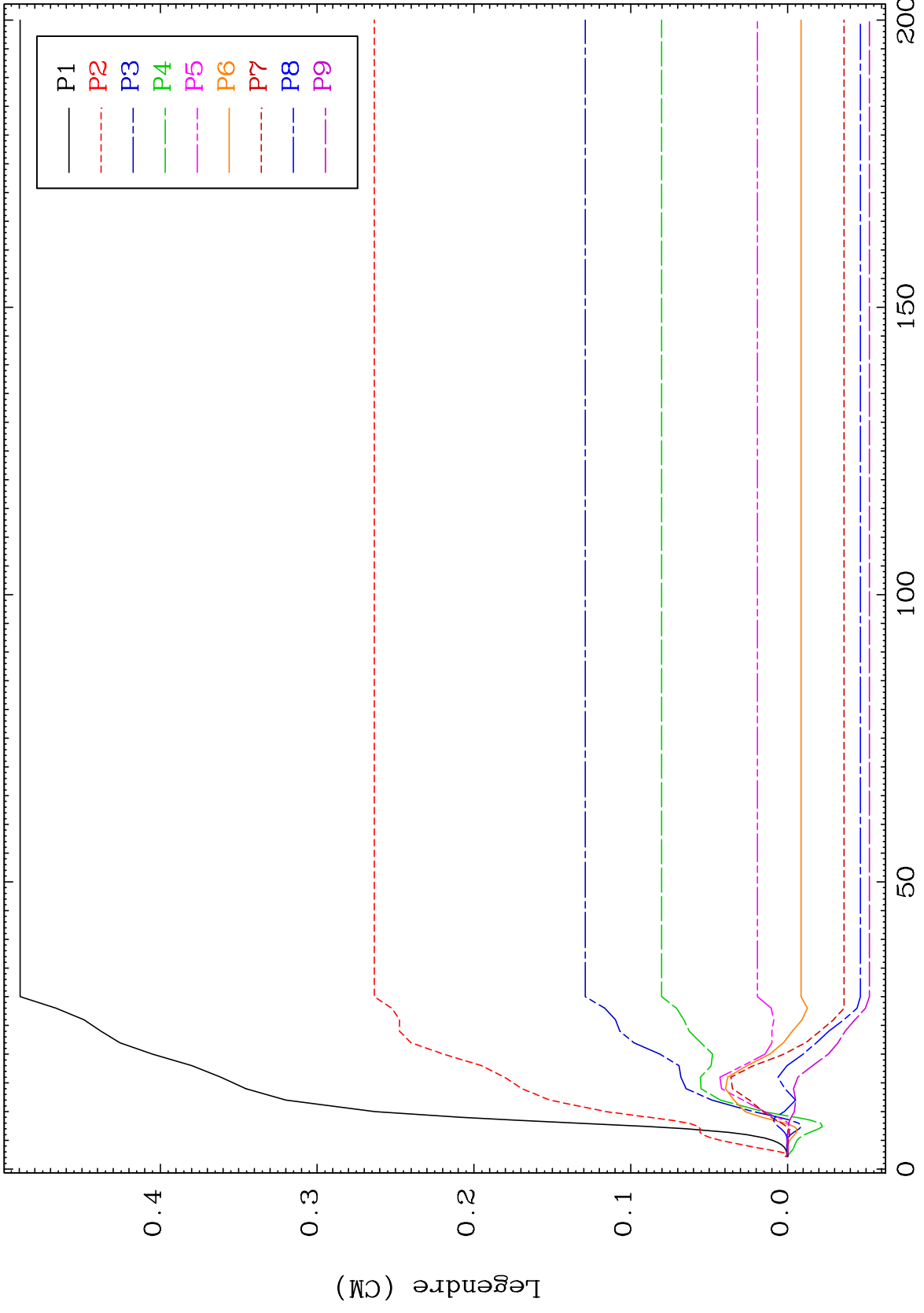
MAT 5019 MT= 52 (n,n') Level Legendre Coefficients 50-Sn-110



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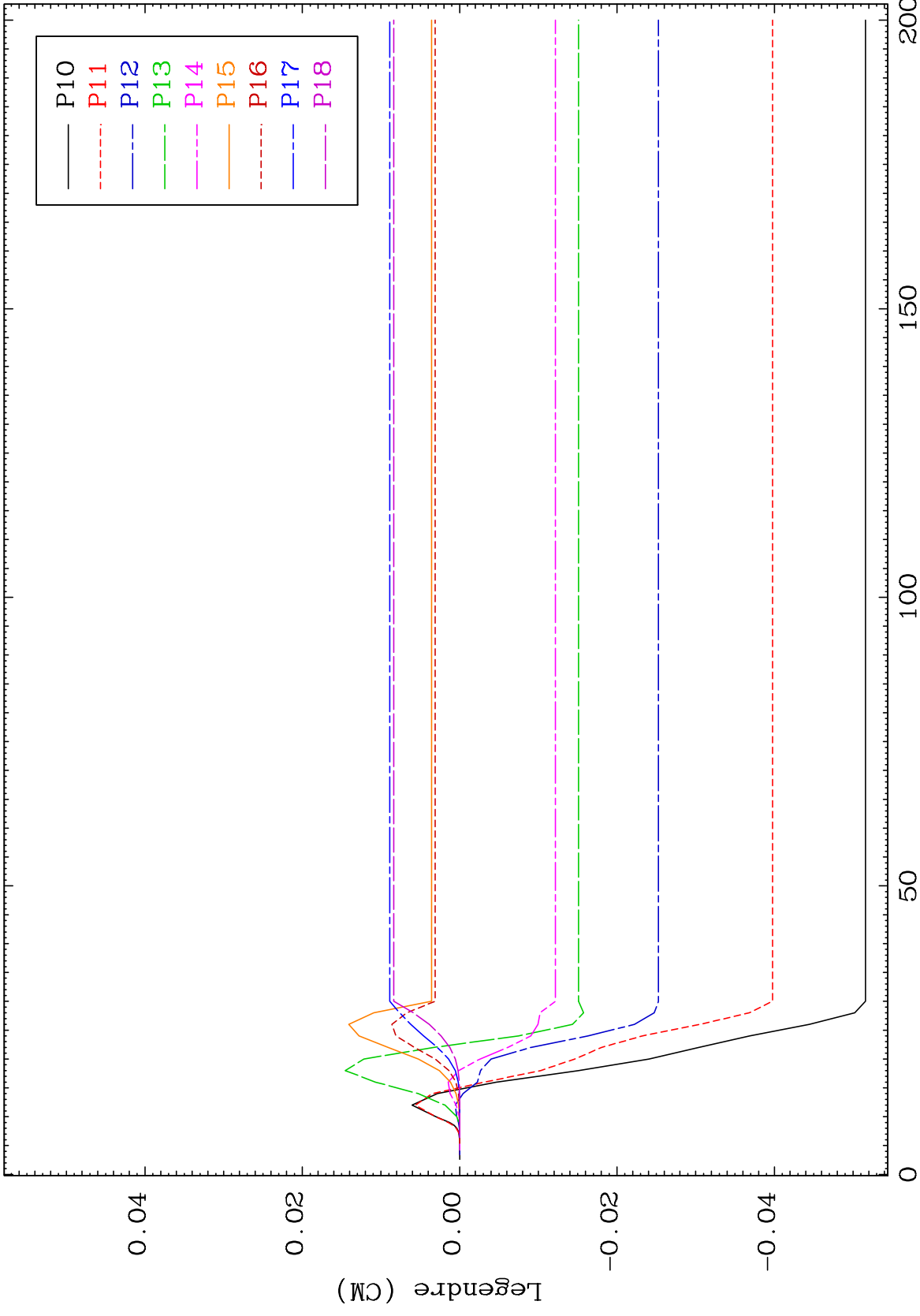
MAT 5019 MT= 53 (n,n') Level Legendre Coefficients 50-Sn-110



MAT 5019

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

50-Sn-110

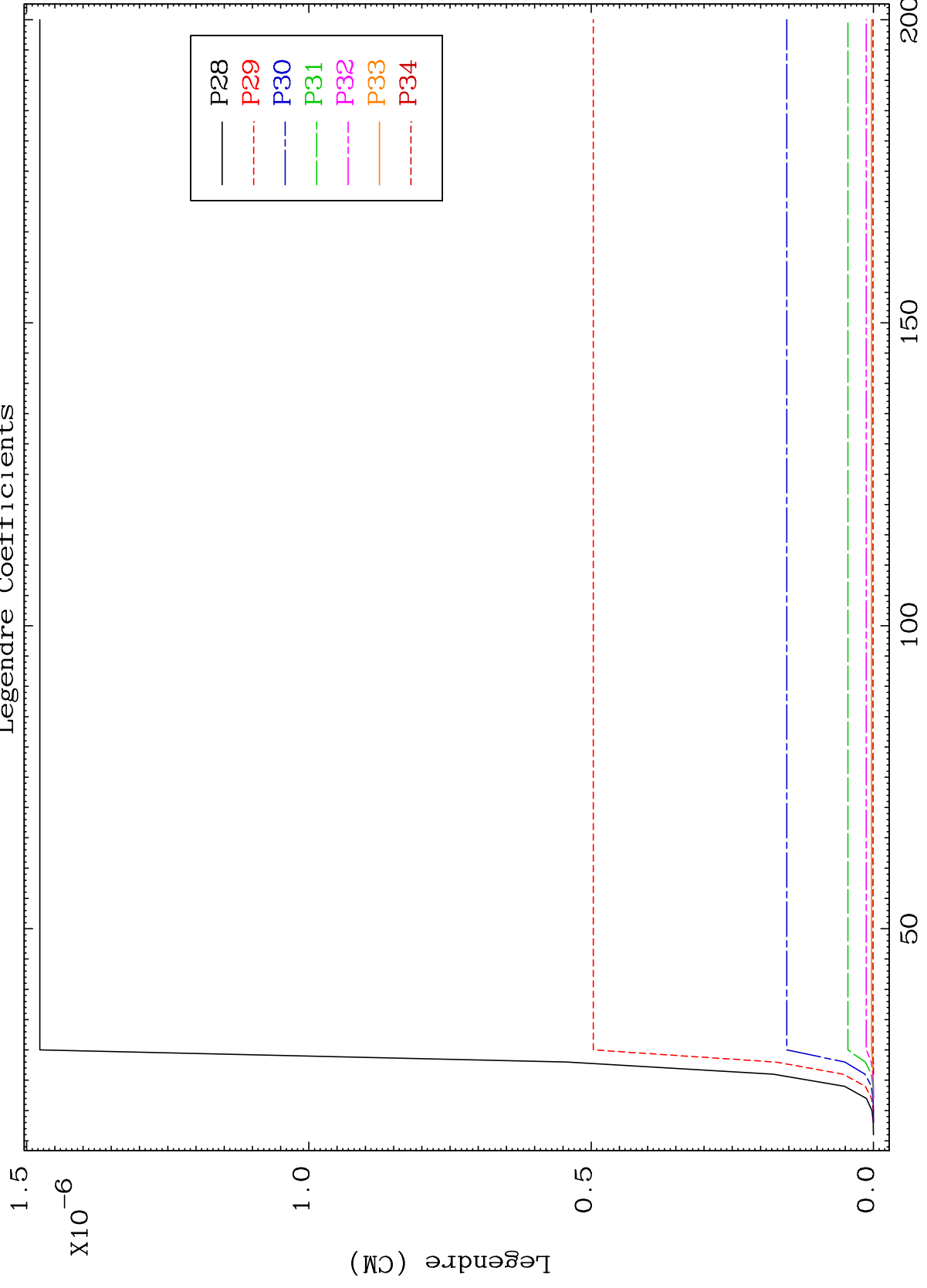


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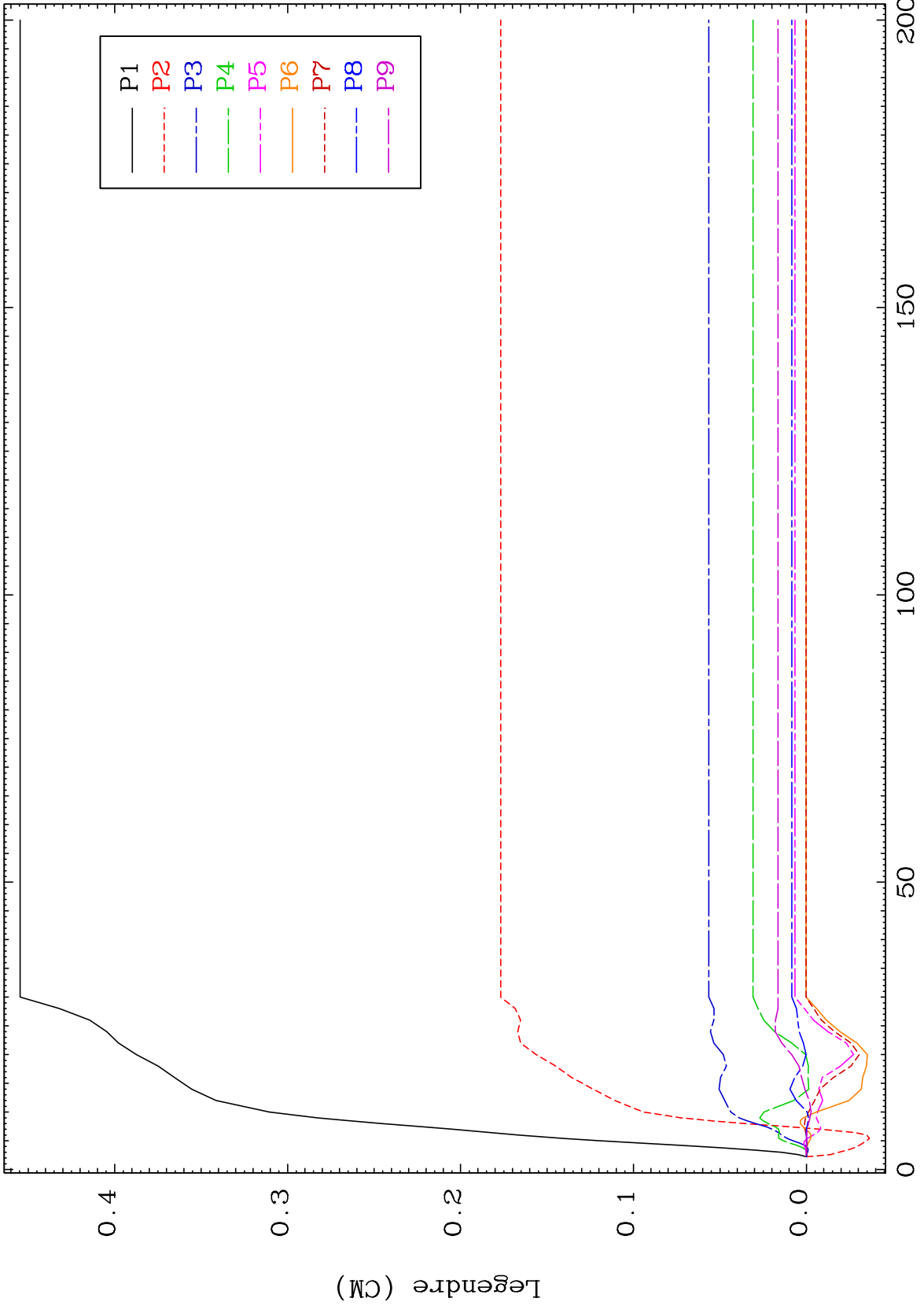
Incident Energy (MeV)

50-Sn-110

MAT 5019 MT= 53 (n,n') Level Legendre Coefficients 50-Sn-110

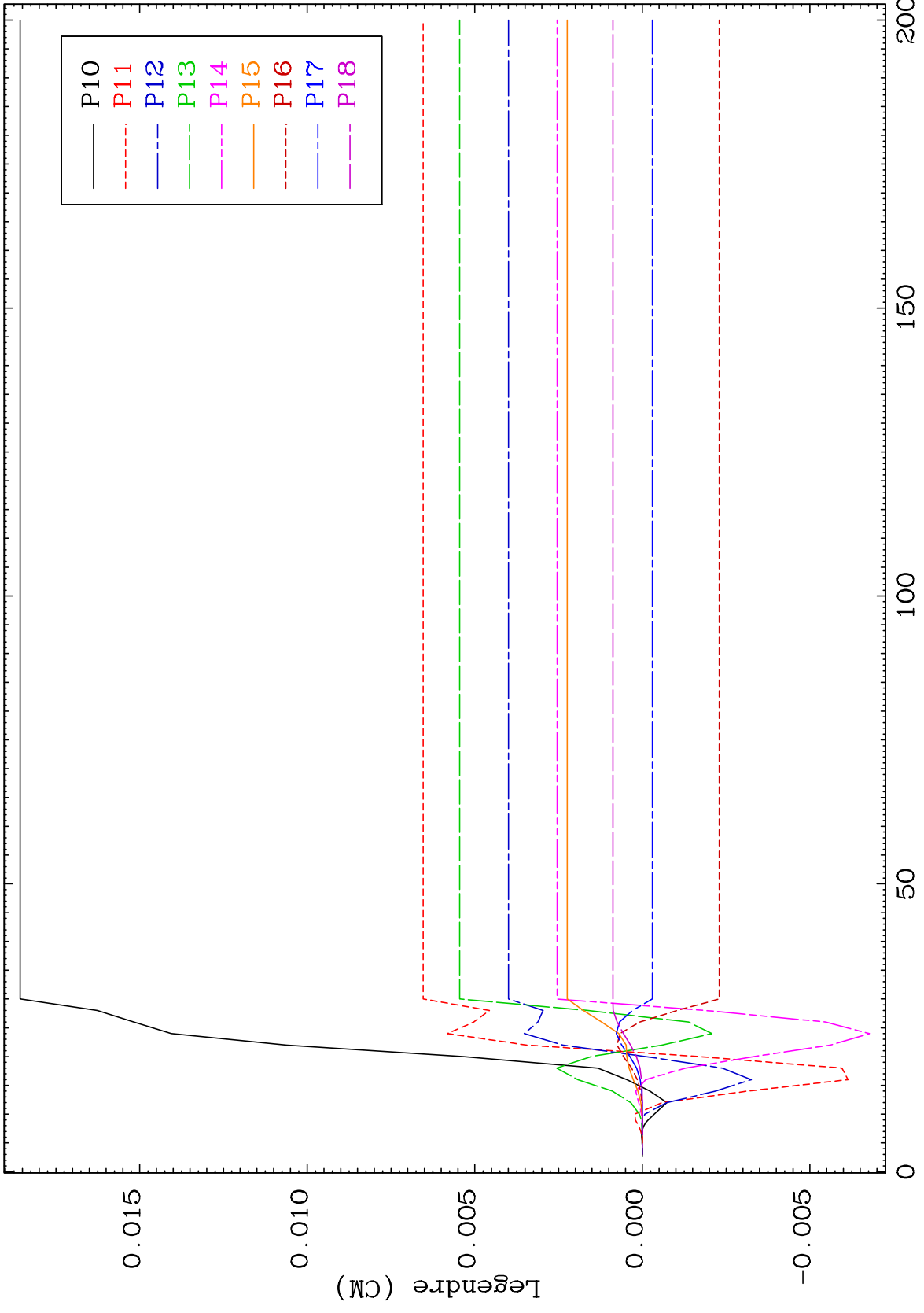


MAT 5019 MT= 54 (n,n') Level Legendre Coefficients 50-Sn-110



Legendre (CM) Incident Energy (MeV) 50-Sn-110

MAT 5019 MT= 54 (n,n') Level Legendre Coefficients 50-Sn-110

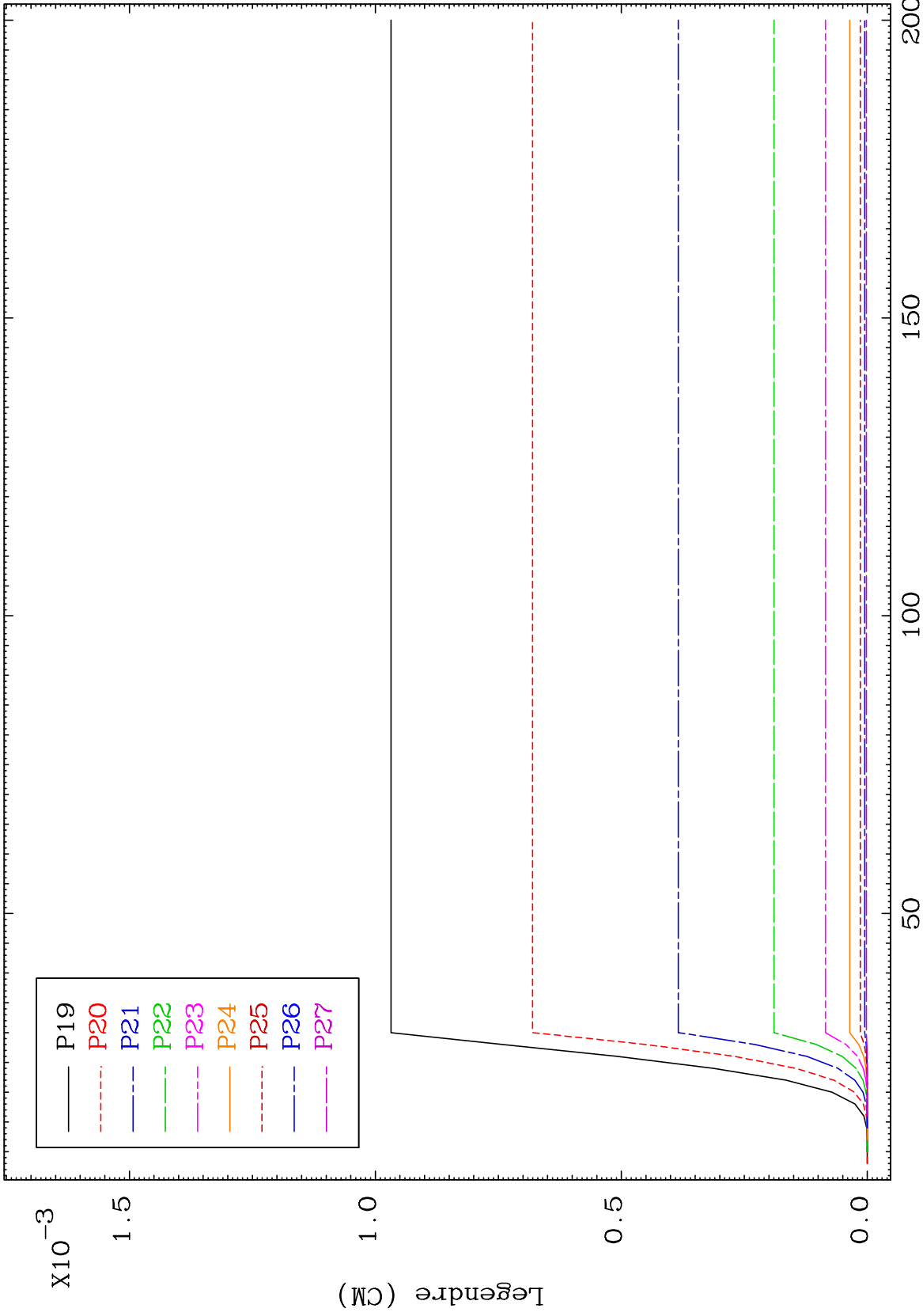


33 50-Sn-110

MAT 5019

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

50-Sn-110



34

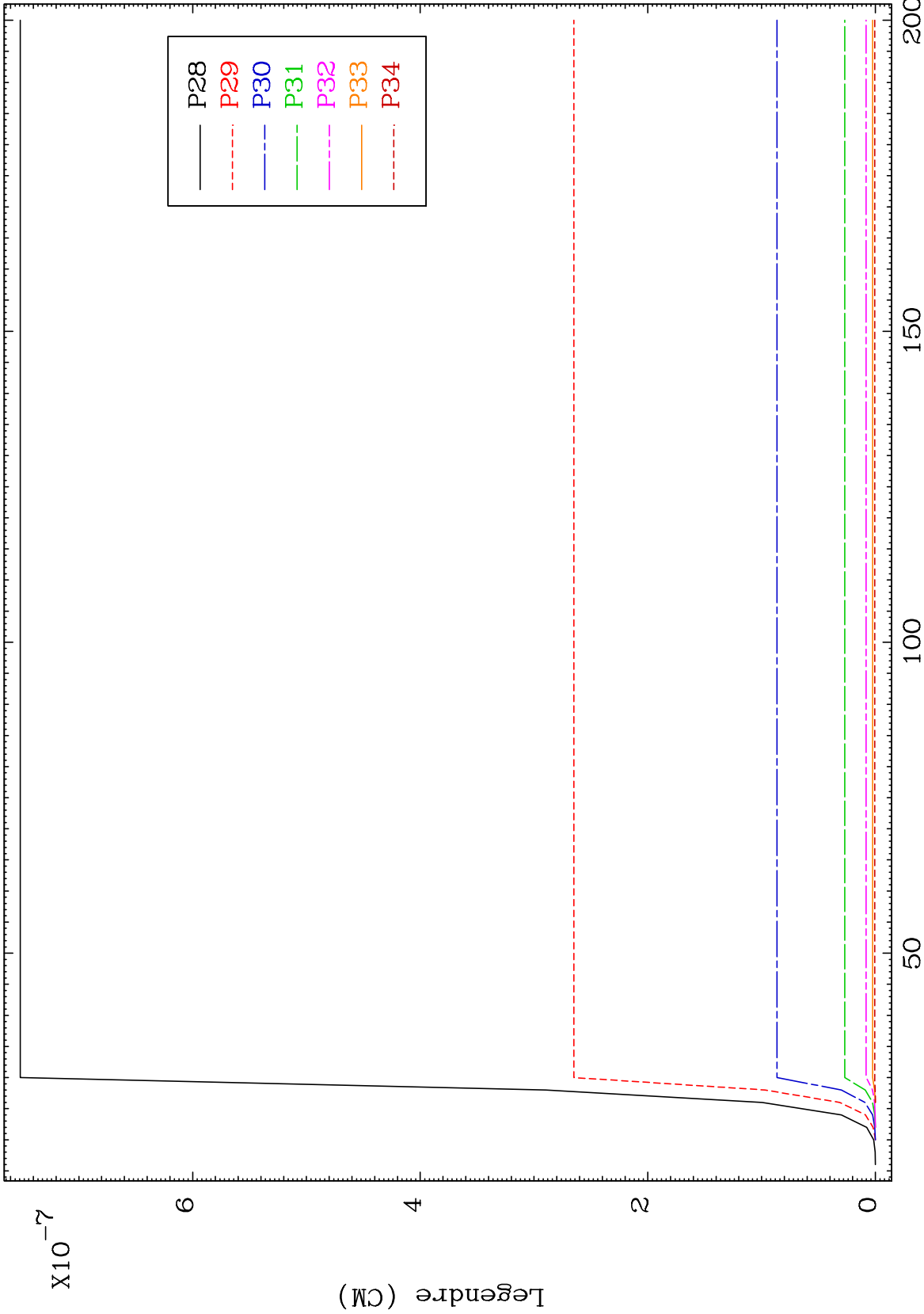
50-Sn-110

200

MAT 5019

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

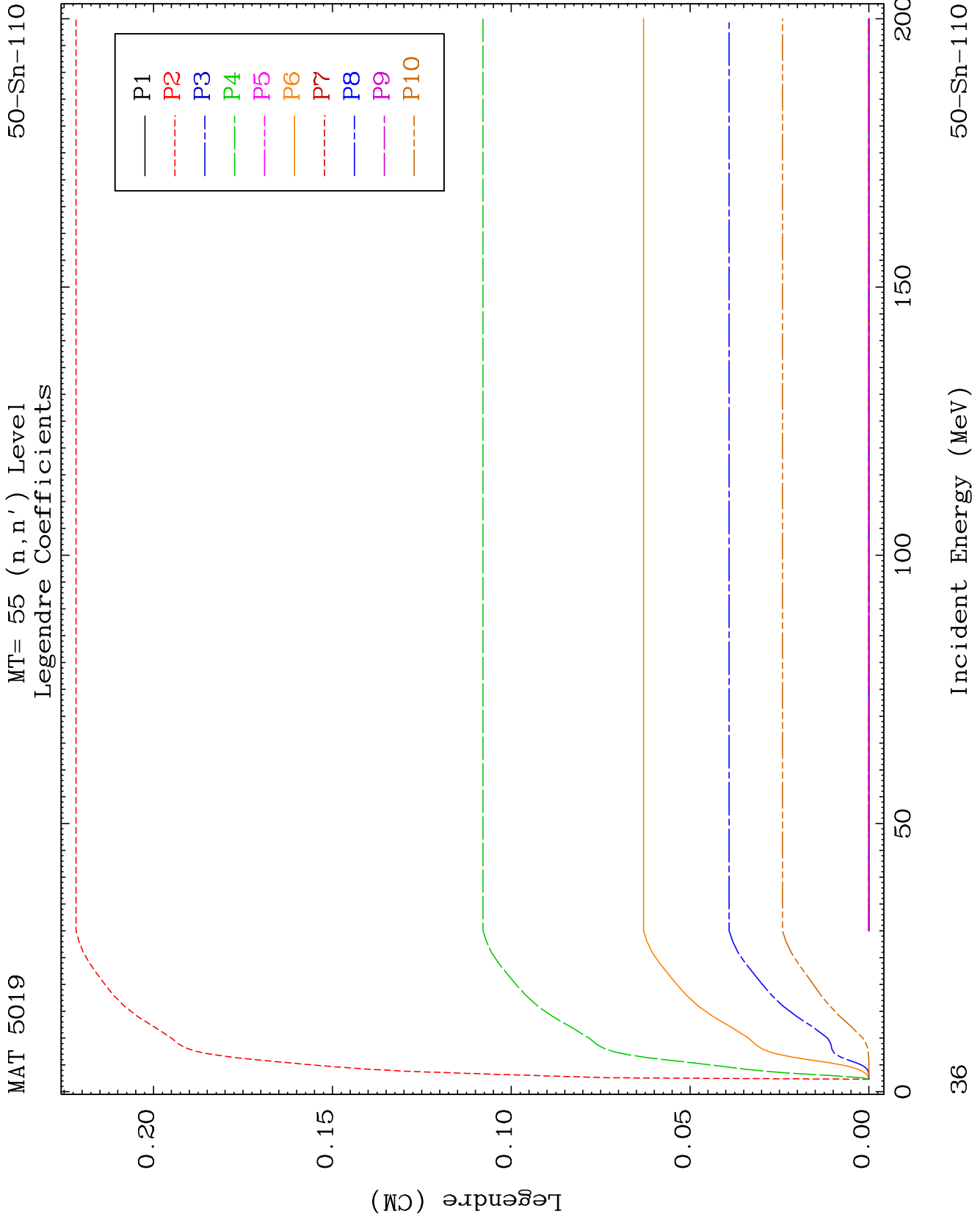
50-Sn-110

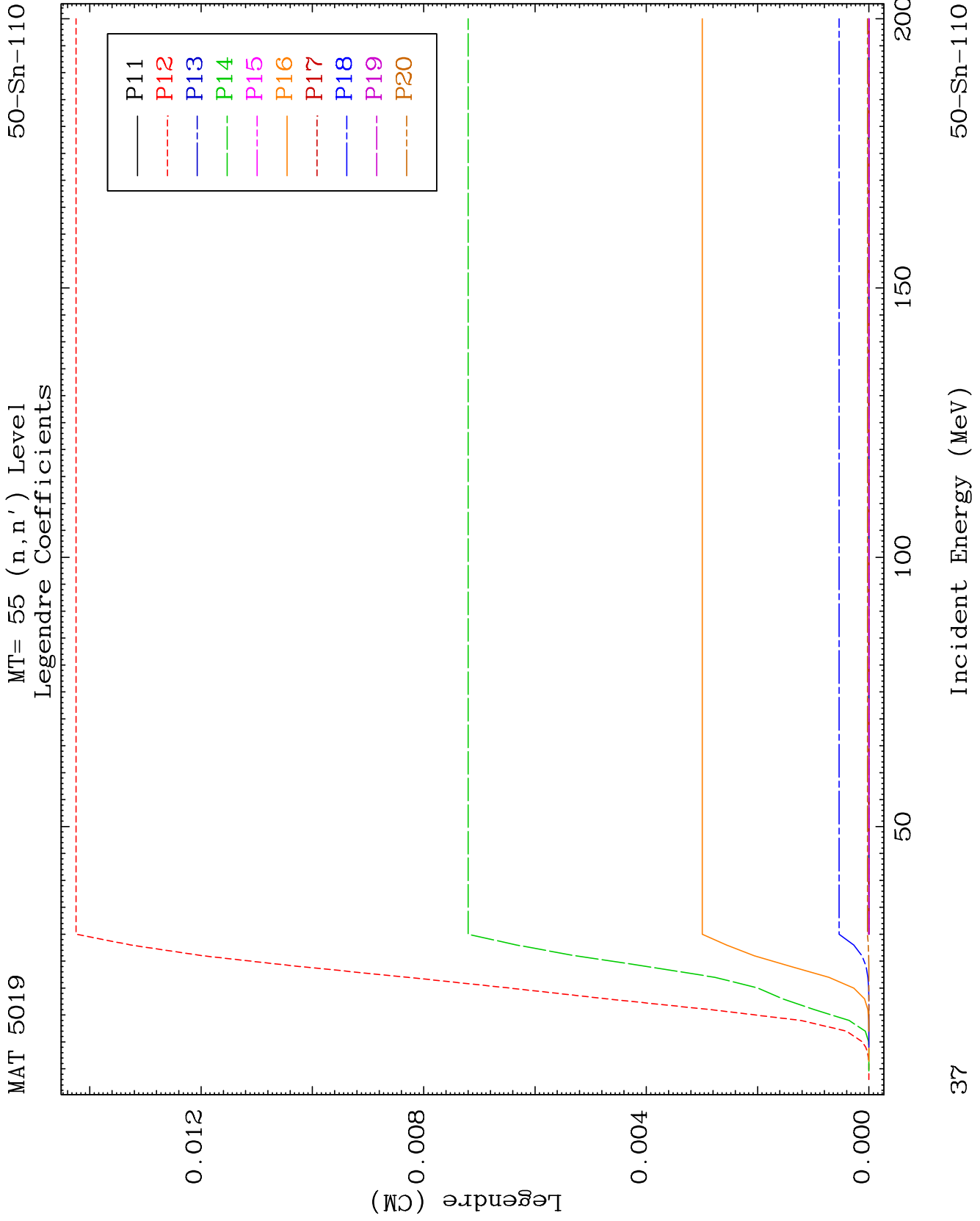


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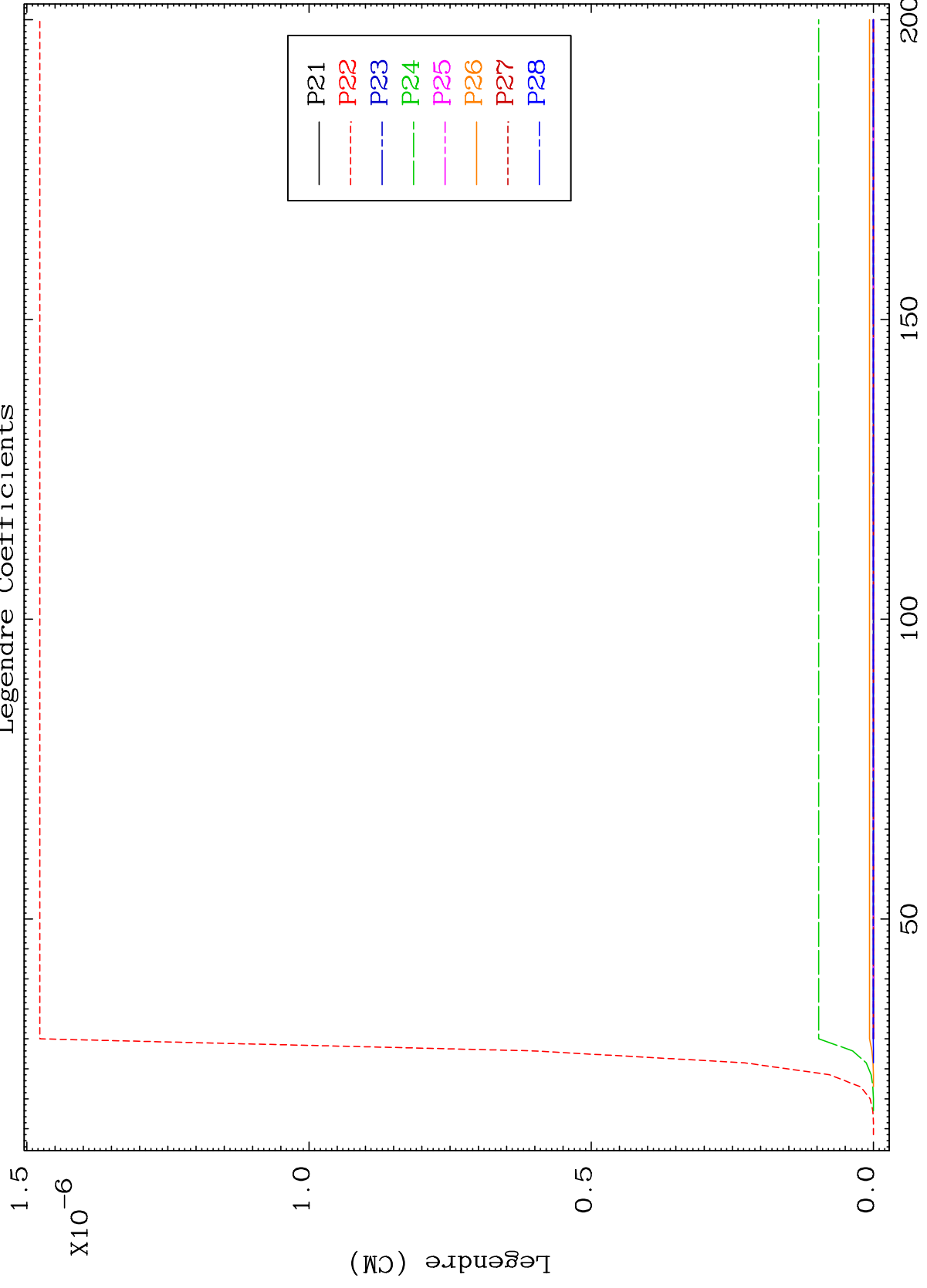
Incident Energy (MeV)

50-Sn-110





MAT 5019 MT= 55 (n,n') Level Legendre Coefficients 50-Sn-110

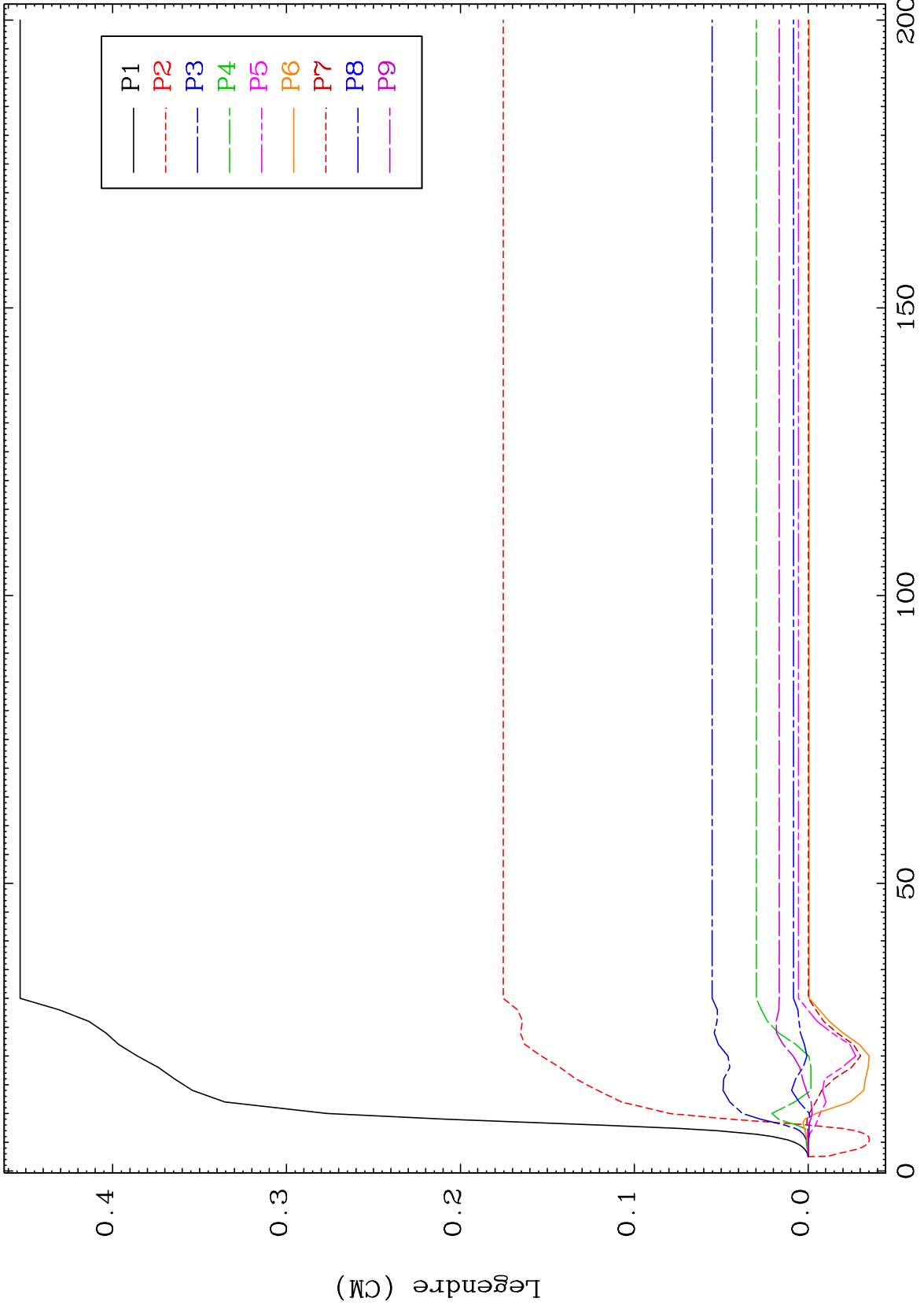


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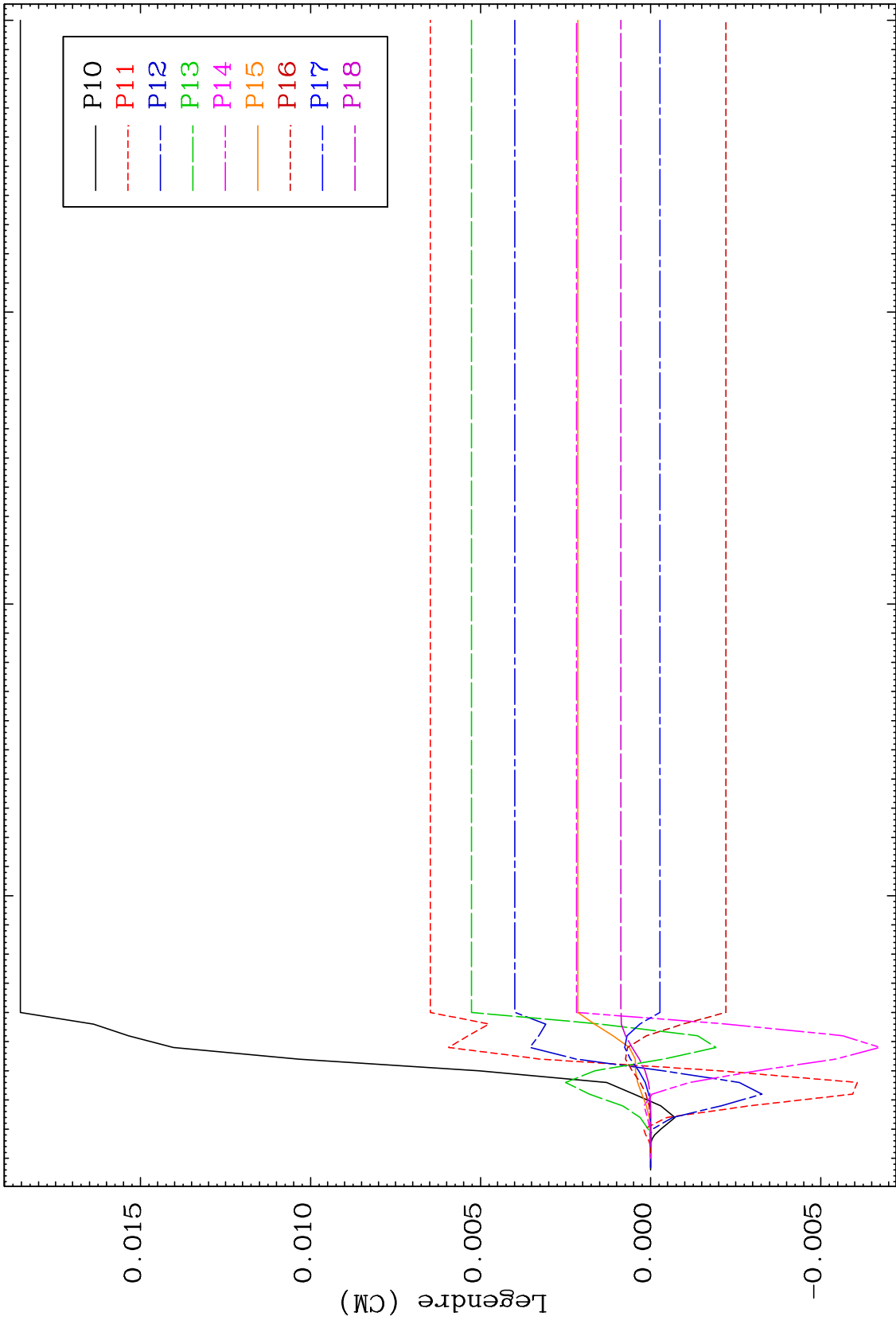
Incident Energy (MeV)

50-Sn-110

MAT 5019 MT= 56 (n,n') Level Legendre Coefficients 50-Sn-110



MAT 5019 MT= 56 (n,n') Level Legendre Coefficients 50-Sn-110



40

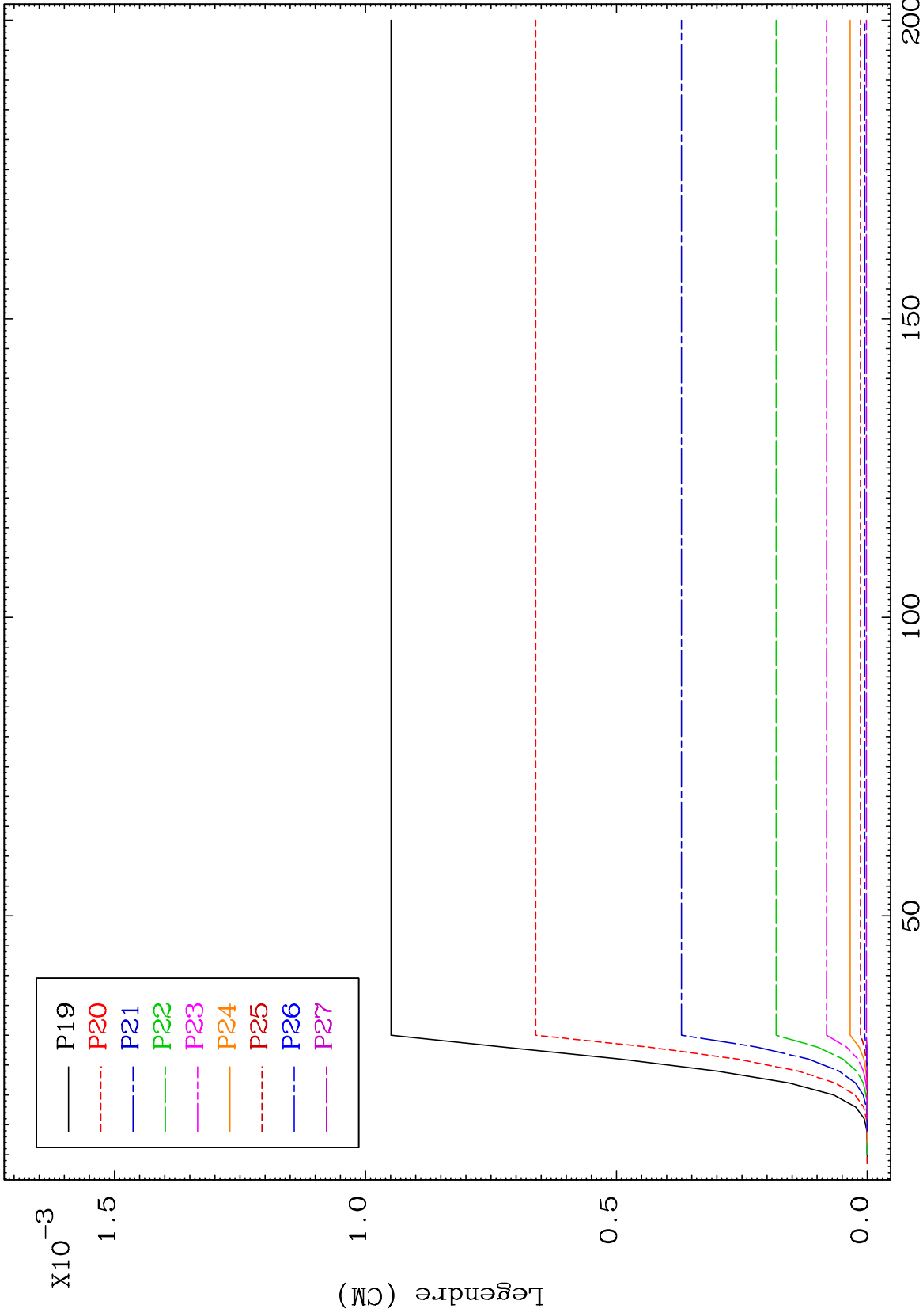
Incident Energy (MeV)

50-Sn-110

MAT 5019

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

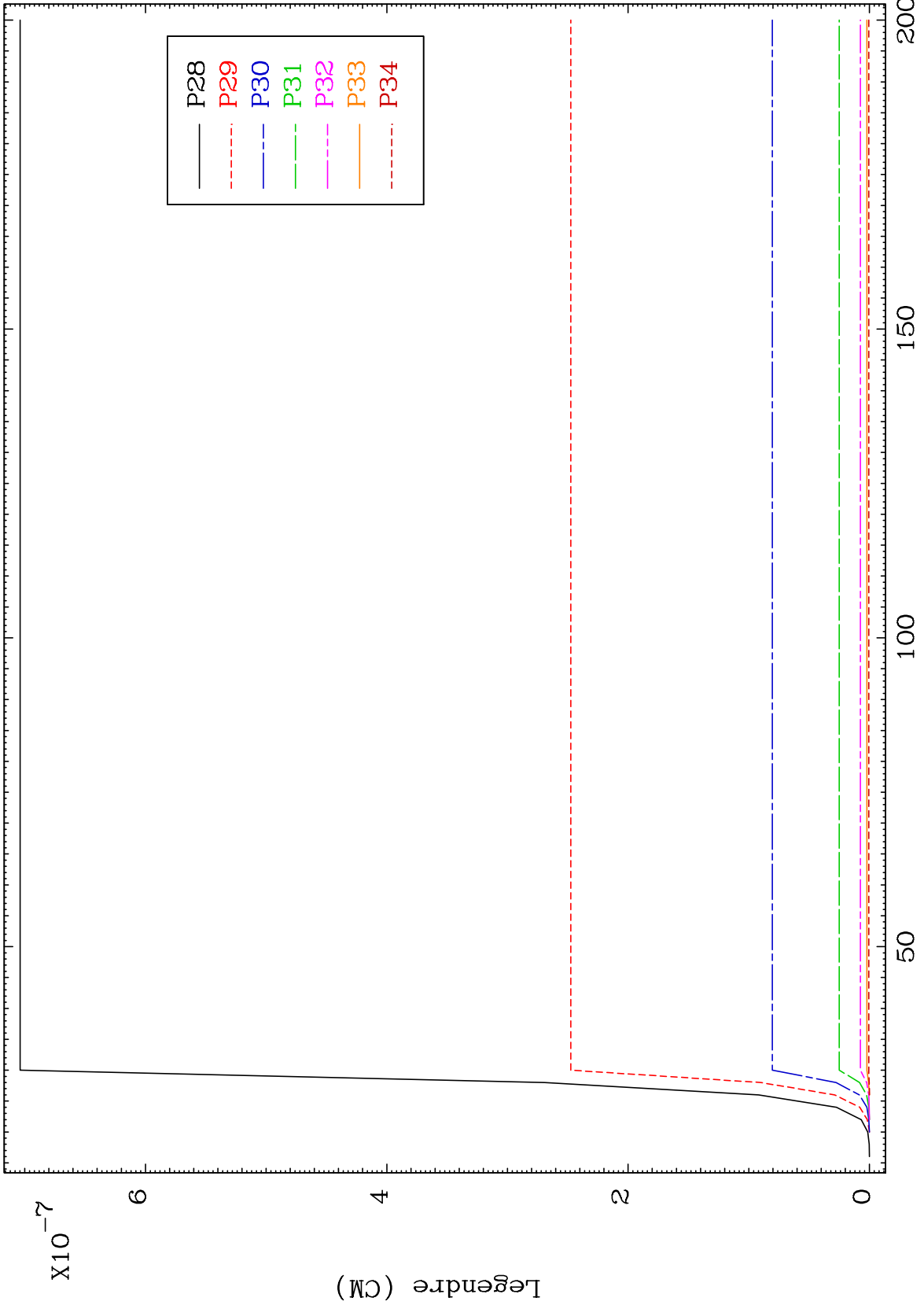
50-Sn-110



MAT 5019

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

50-Sn-110

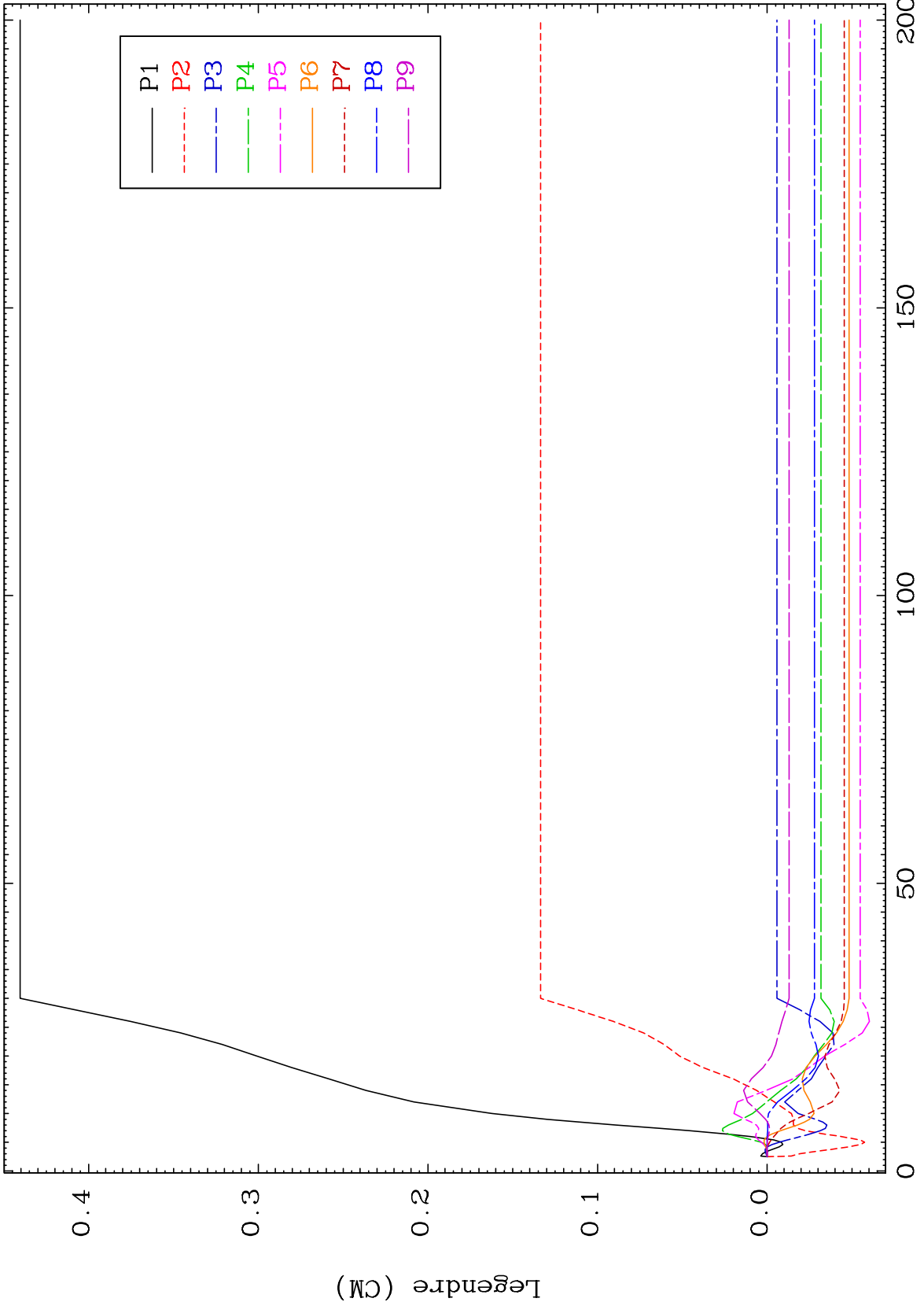


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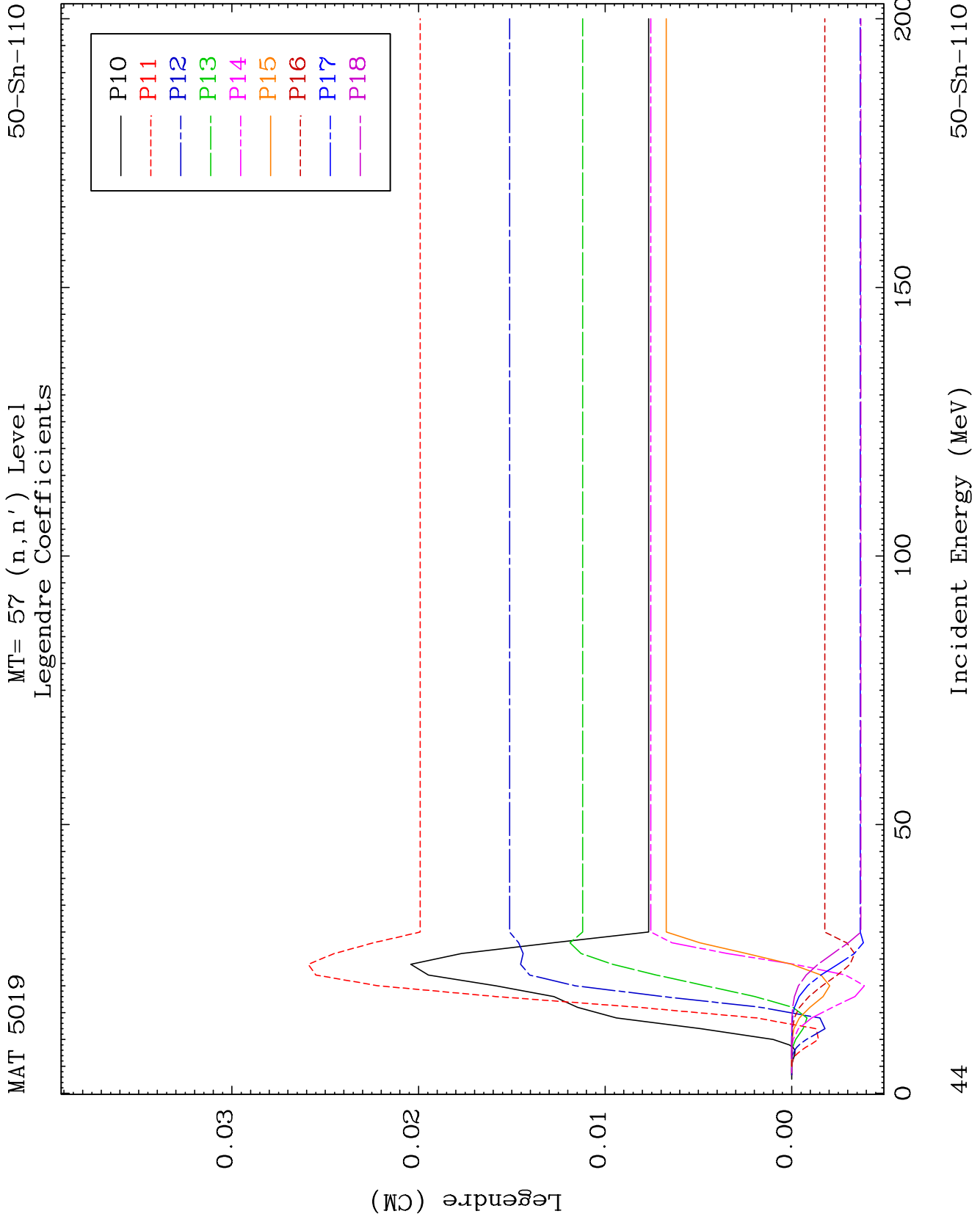
Incident Energy (MeV)

50-Sn-110

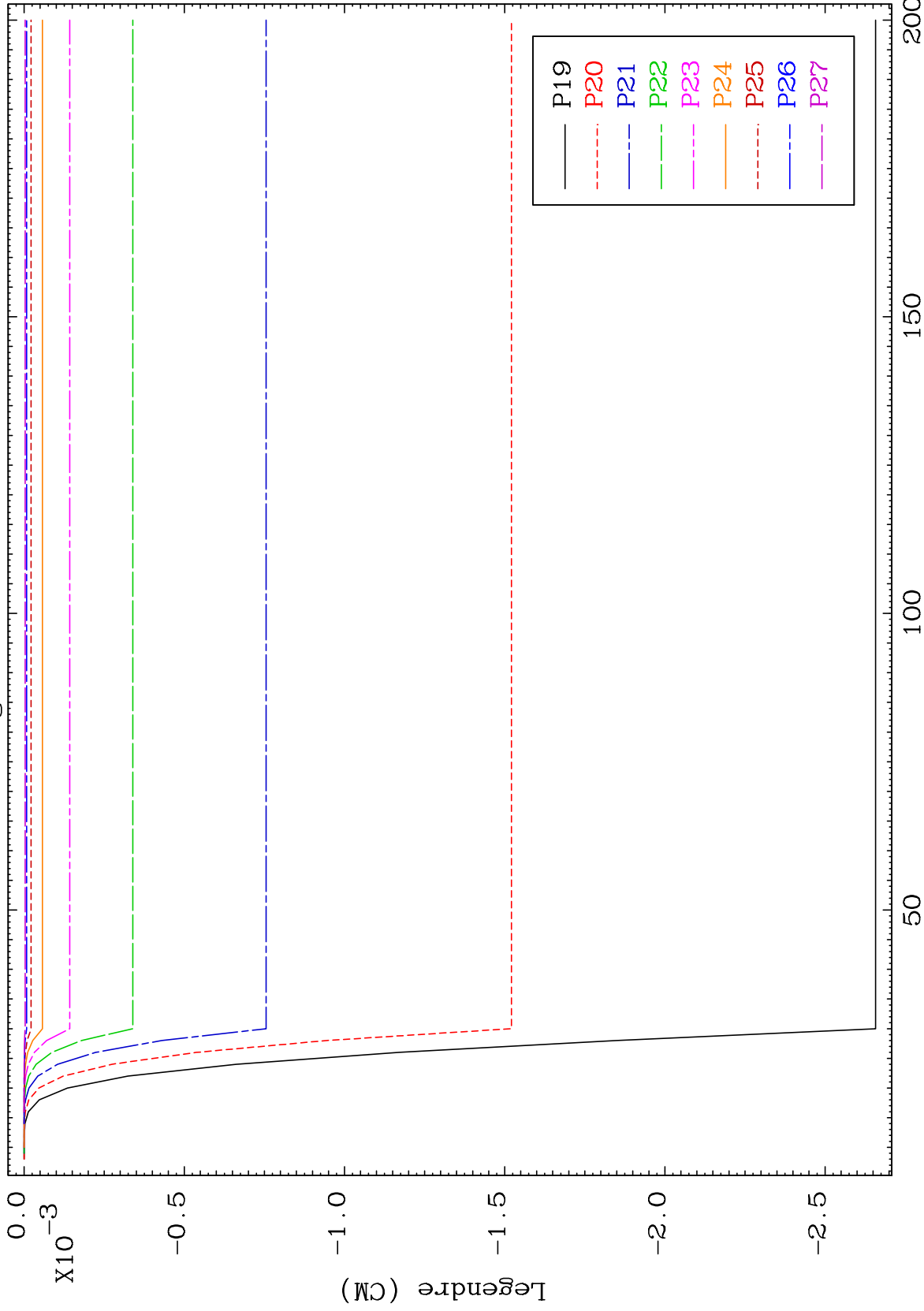
MAT 5019 MT= 57 (n,n') Level Legendre Coefficients 50-Sn-110



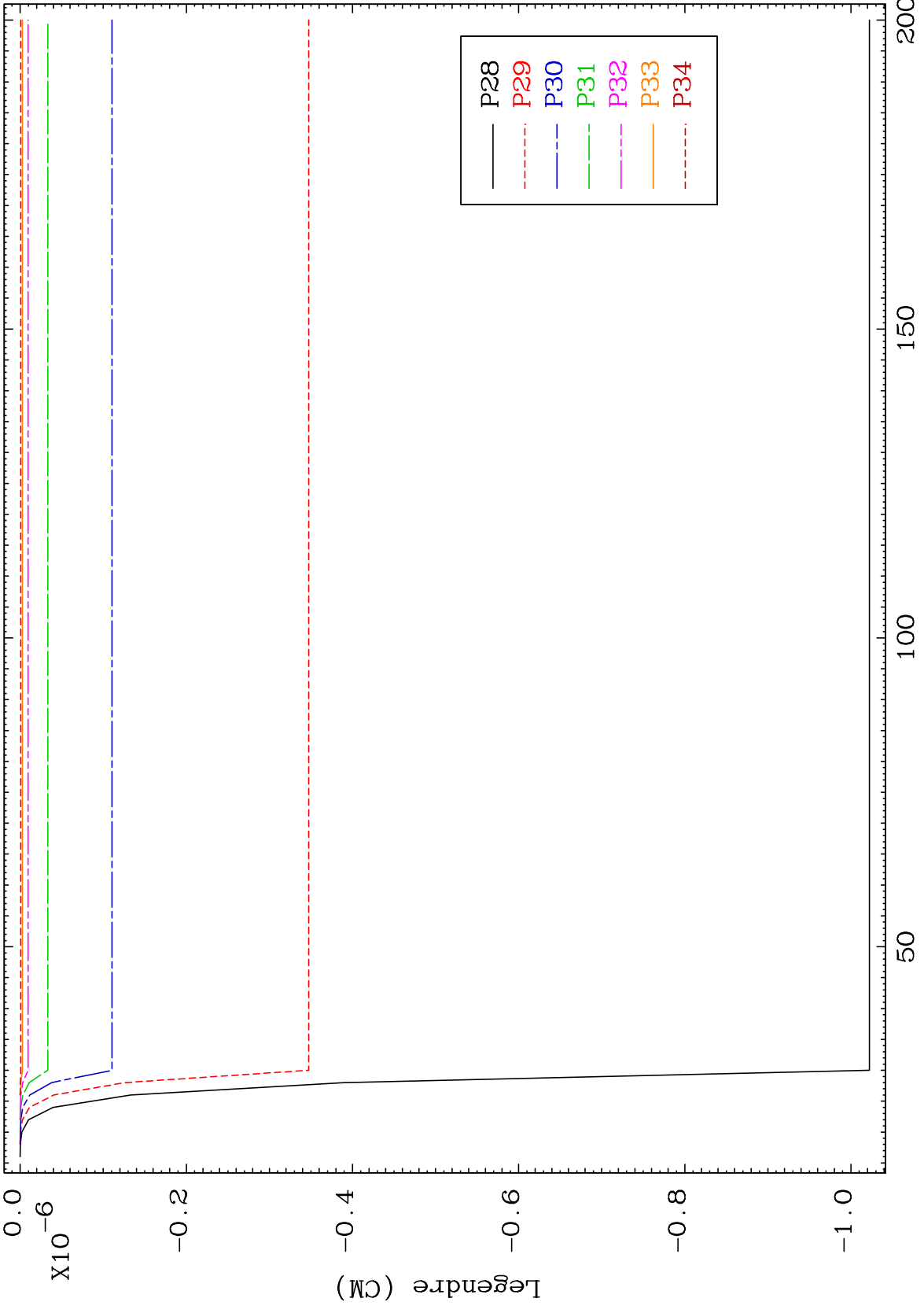
43 Incident Energy (MeV) 50-Sn-110



MAT 5019 MT= 57 (n,n') Level Legendre Coefficients 50-Sn-110



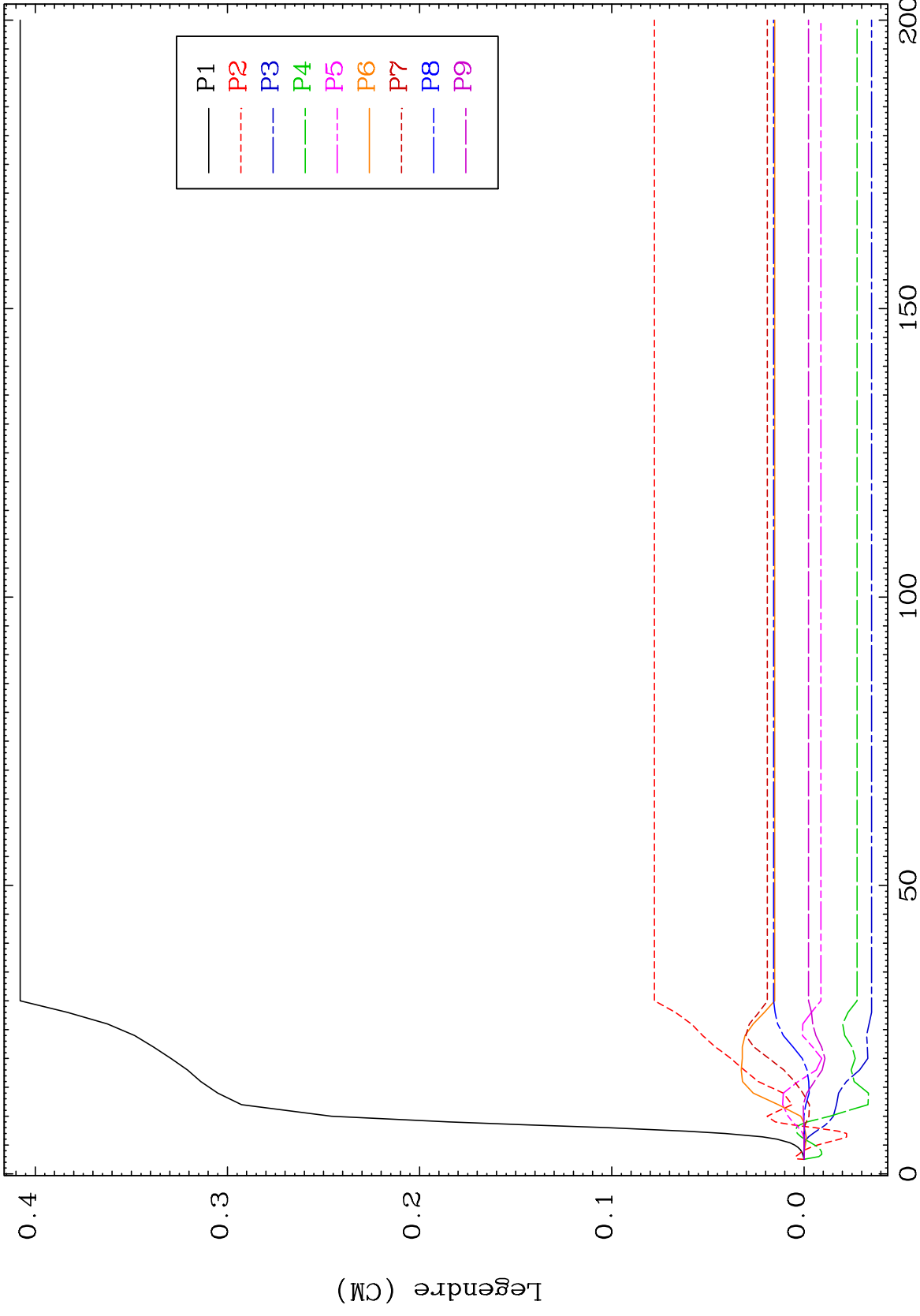
MAT 5019 MT= 57 (n,n') Level Legendre Coefficients 50-Sn-110

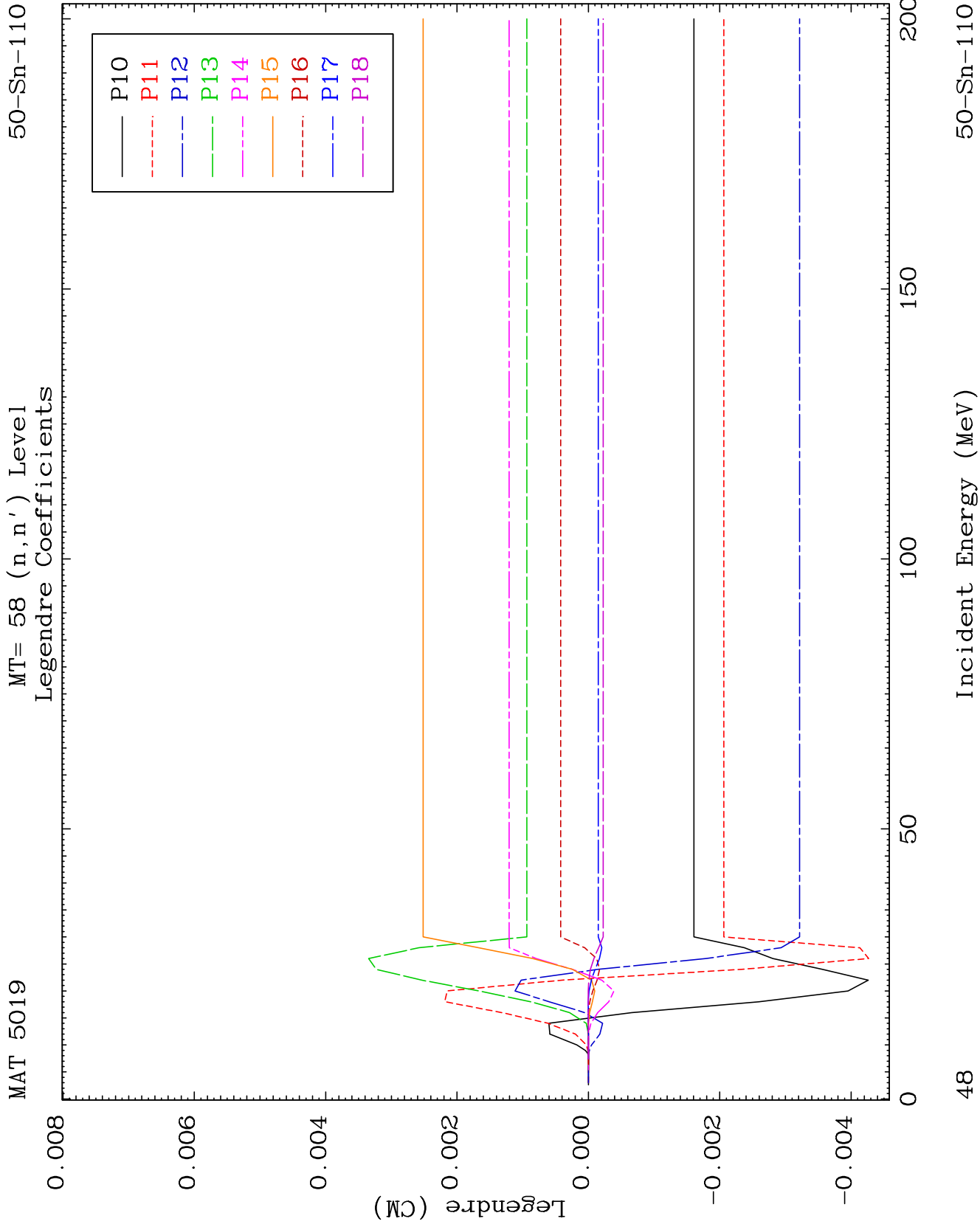


46 Incident Energy (MeV) 50-Sn-110

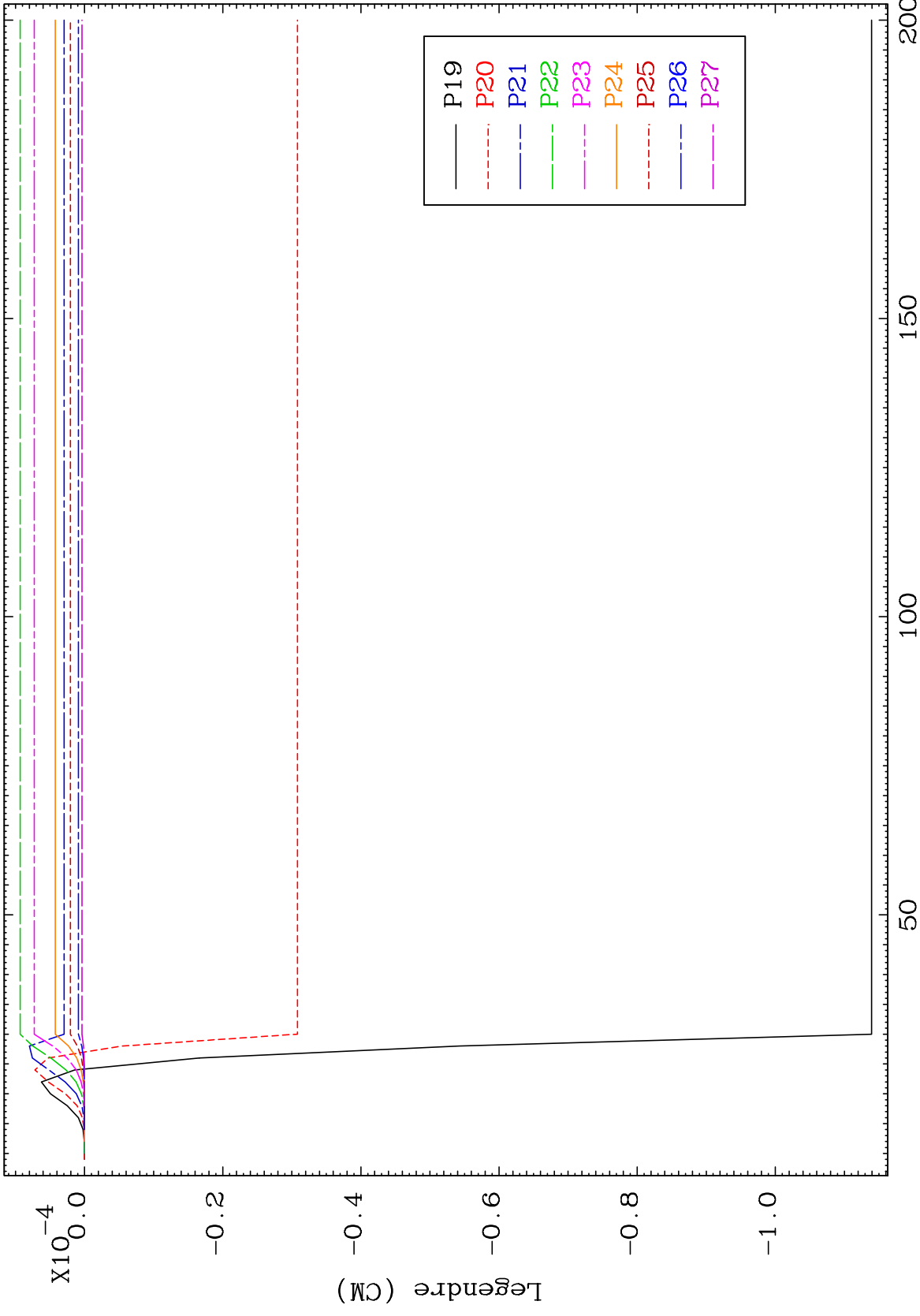
MAT 5019 MT= 58 (n,n') Level Legendre Coefficients

50-Sn-110

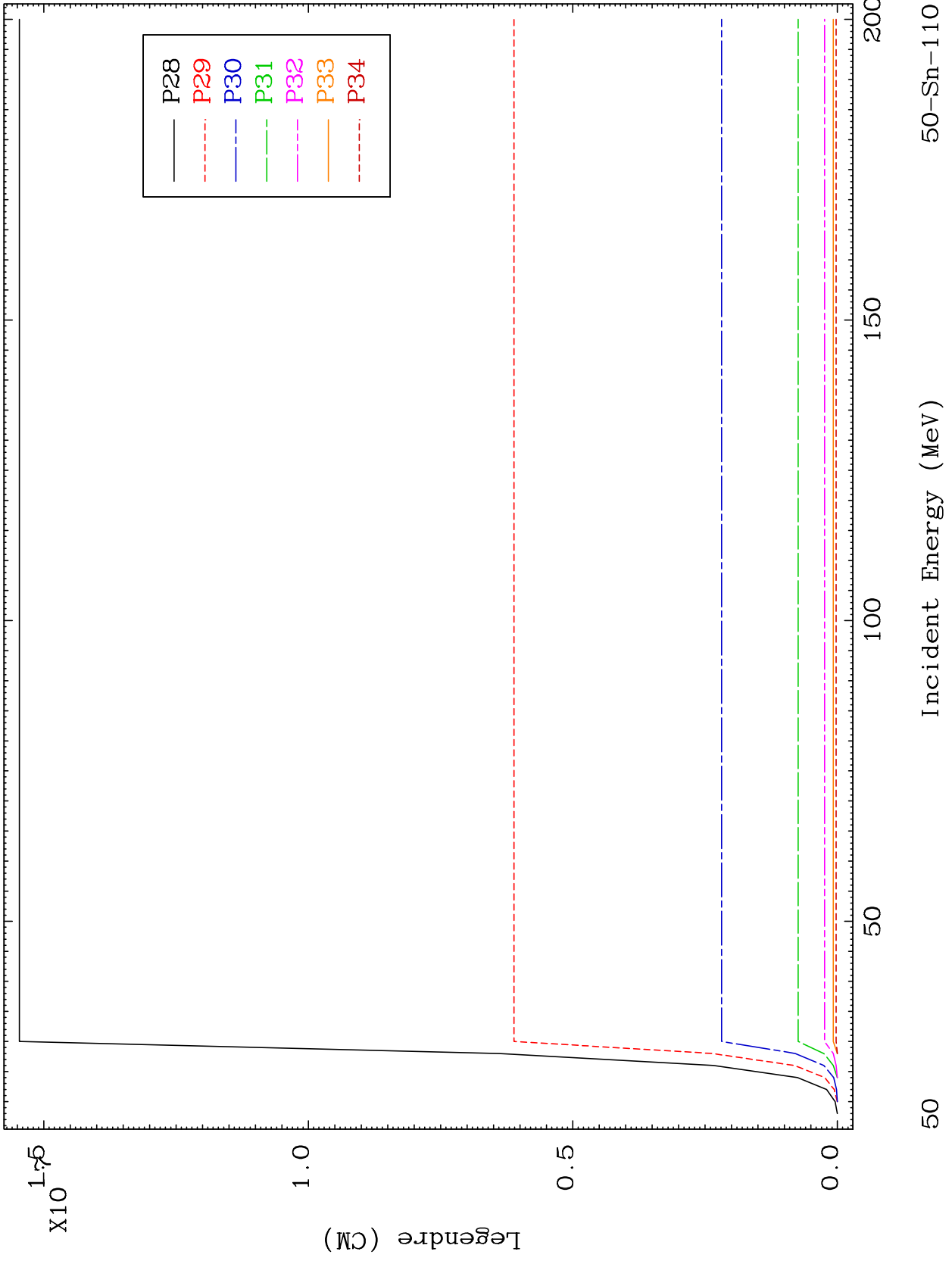




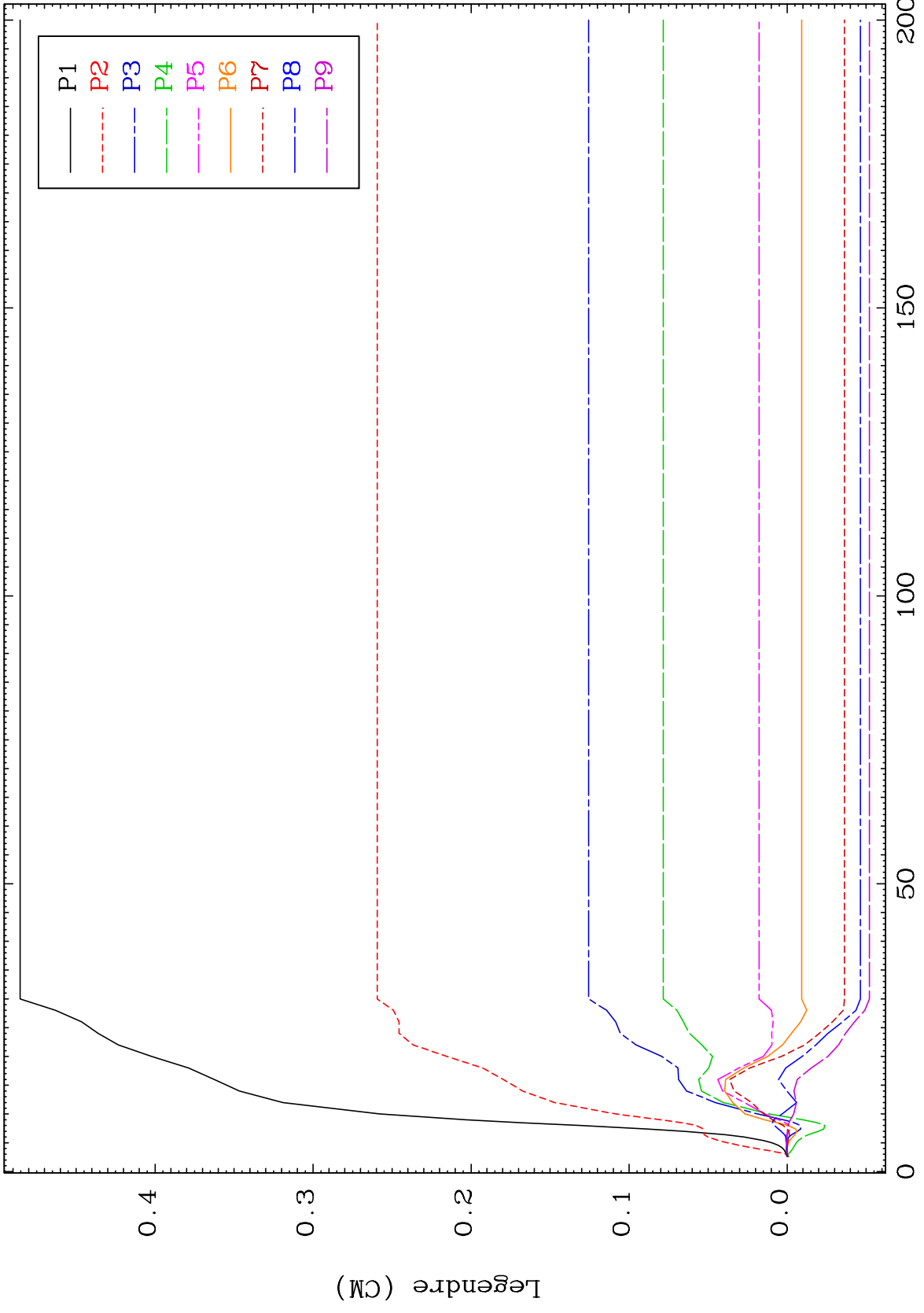
MAT 5019 MT= 58 (n,n') Level Legendre Coefficients 50-Sn-110



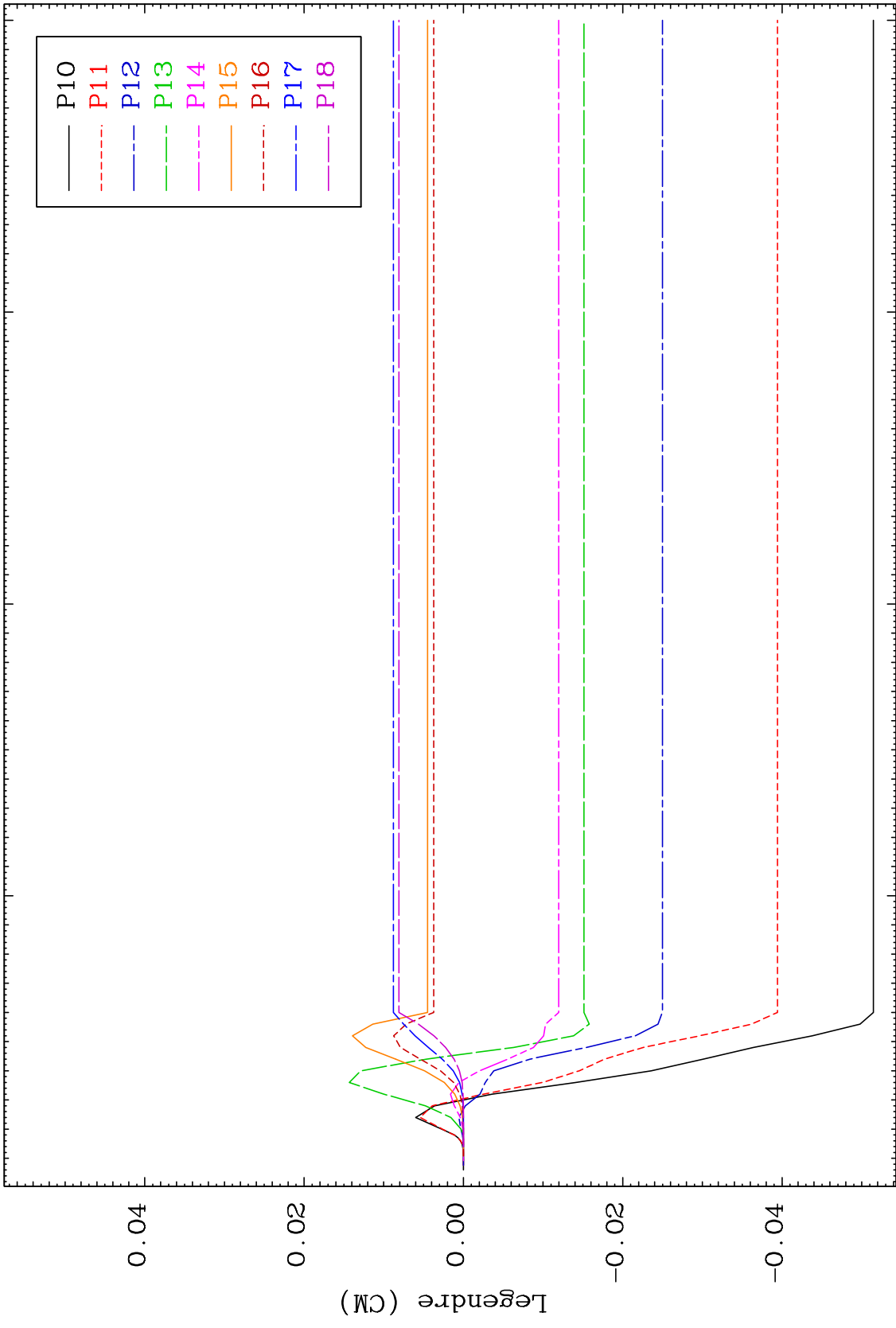
MAT 5019 MT= 58 (n,n') Level Legendre Coefficients 50-Sn-110



MAT 5019 MT= 59 (n,n') Level Legendre Coefficients 50-Sn-110

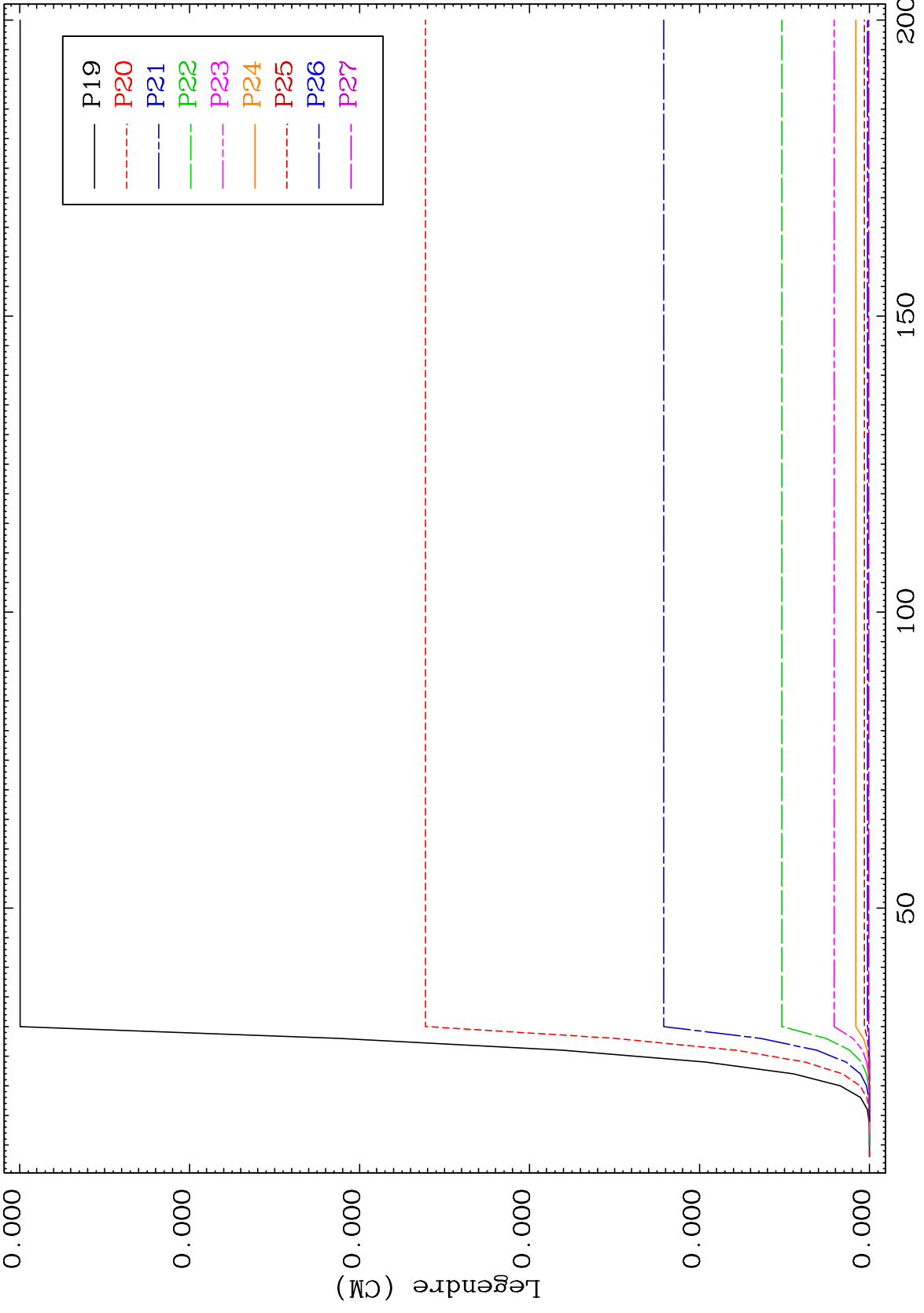


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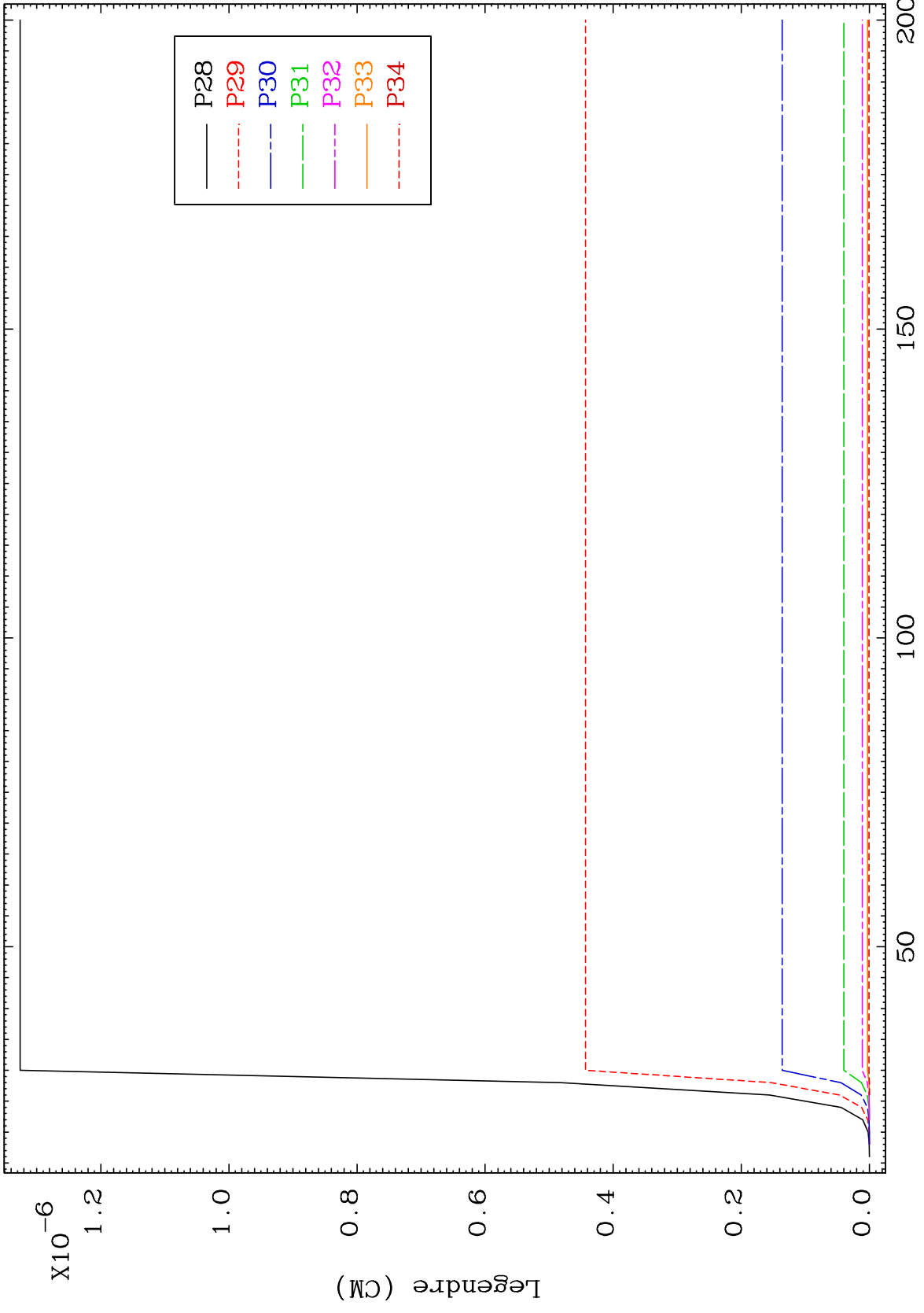


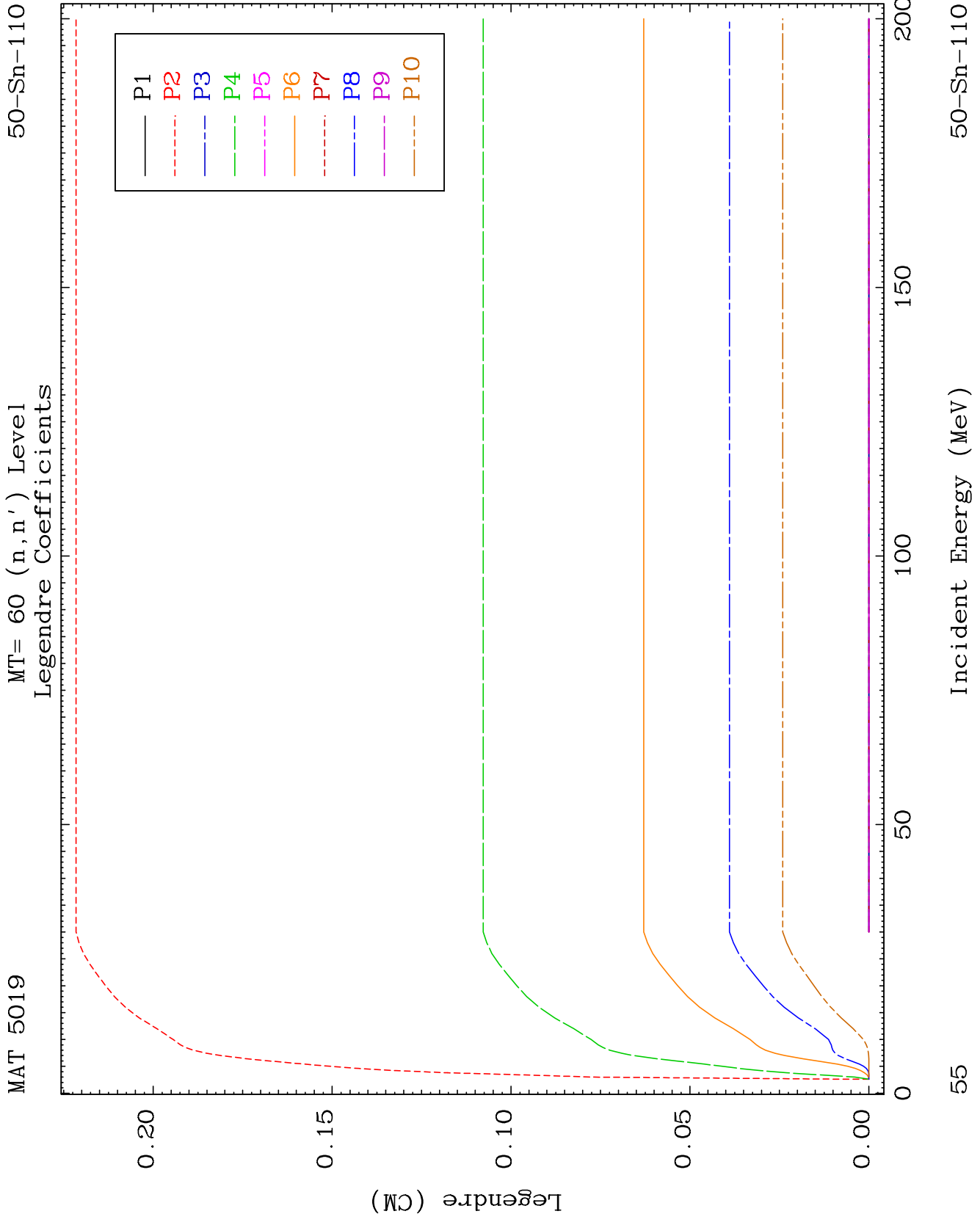
52 50-Sn-110

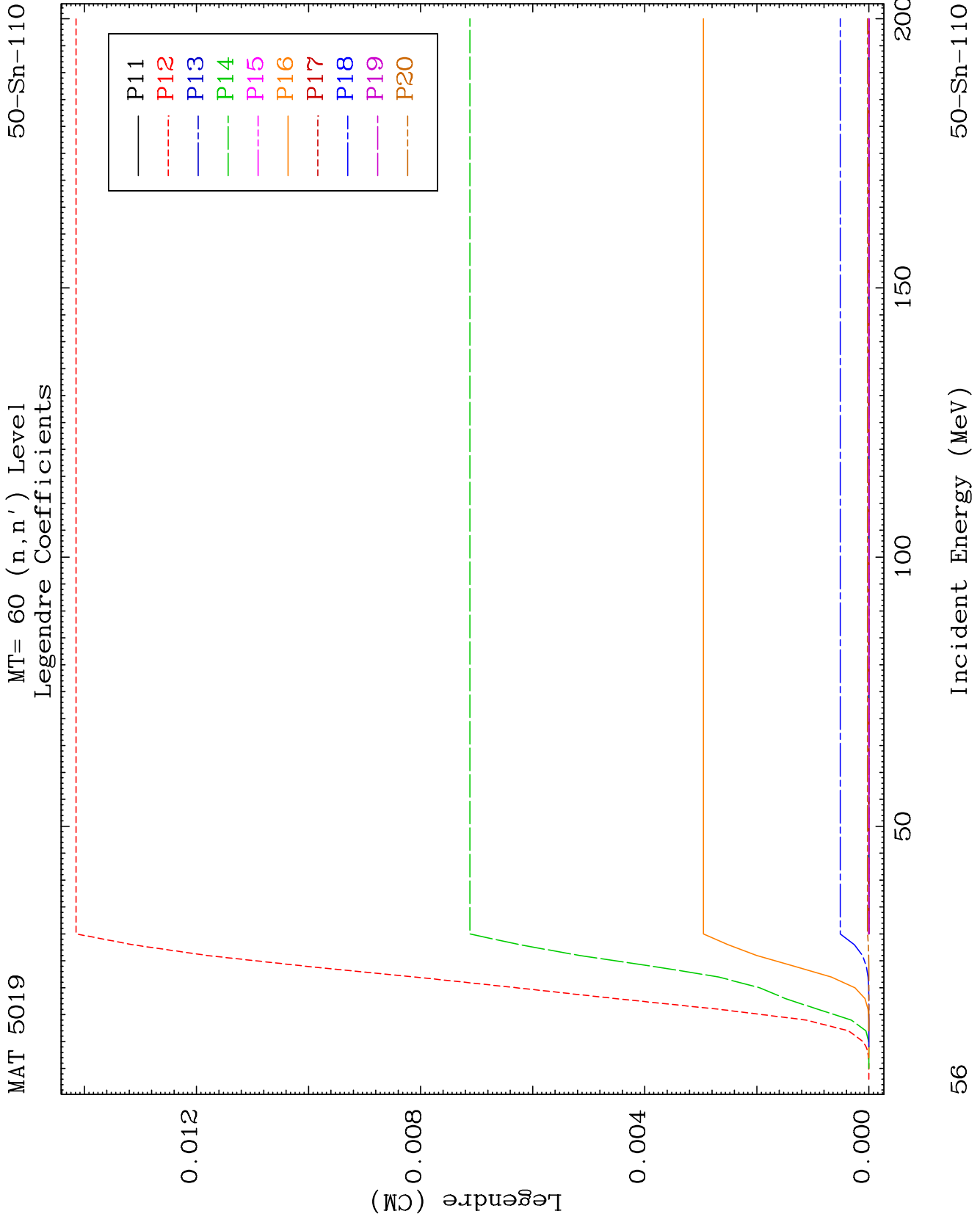
MAT 5019 MT= 59 (n,n') Level Legendre Coefficients 50-Sn-110



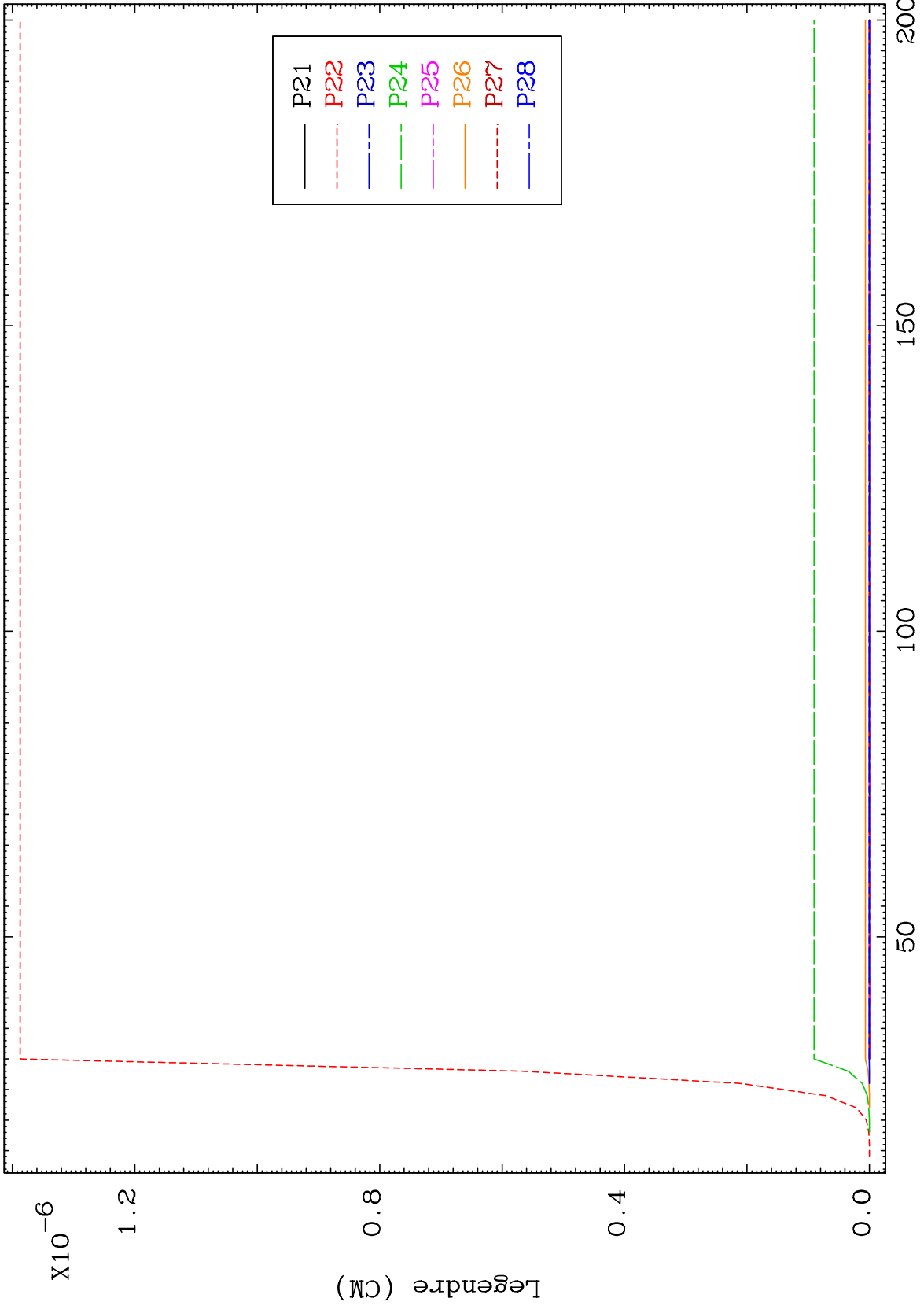
MAT 5019 MT= 59 (n,n') Level Legendre Coefficients 50-Sn-110



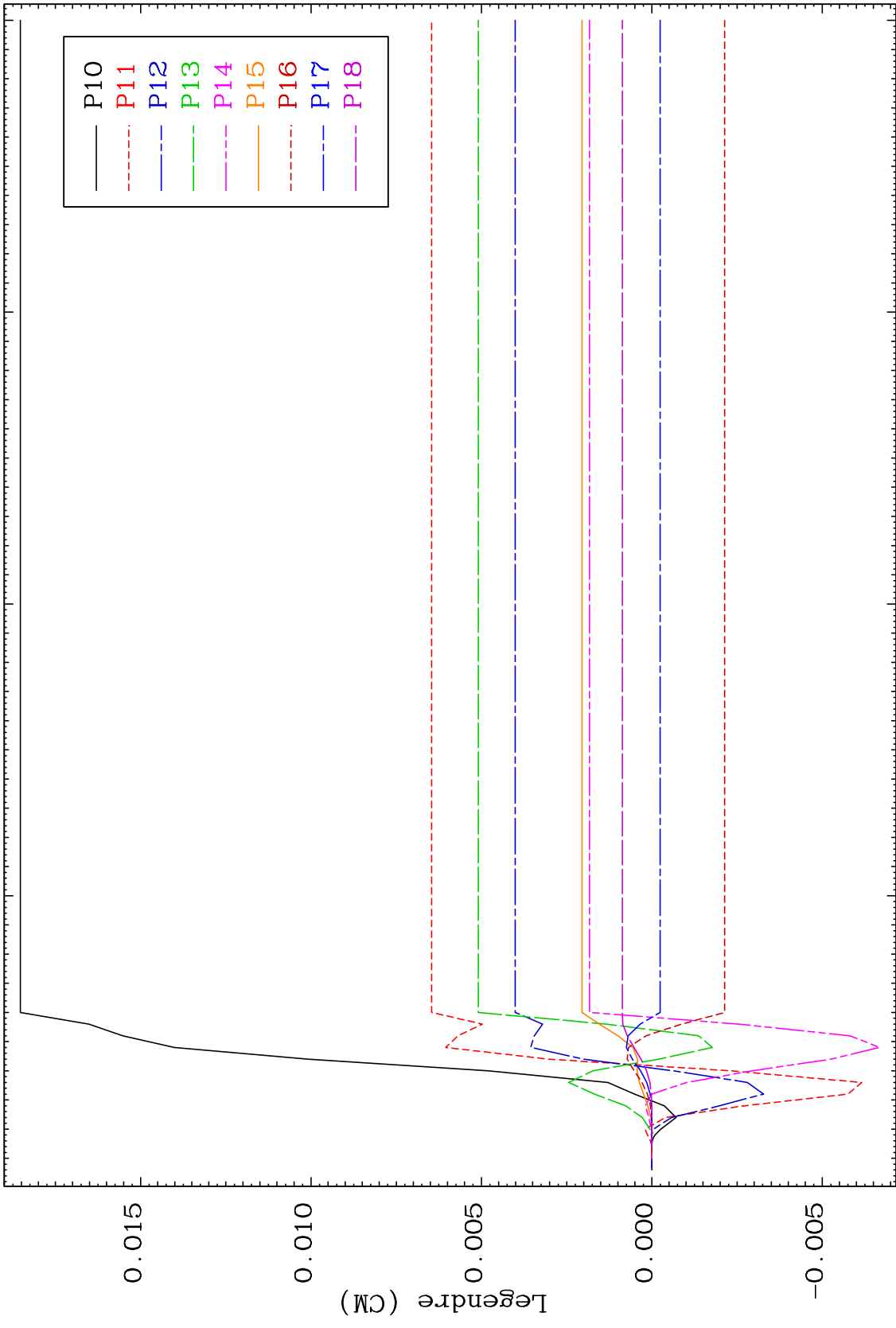




MAT 5019 MT= 60 (n,n') Level Legendre Coefficients 50-Sn-110



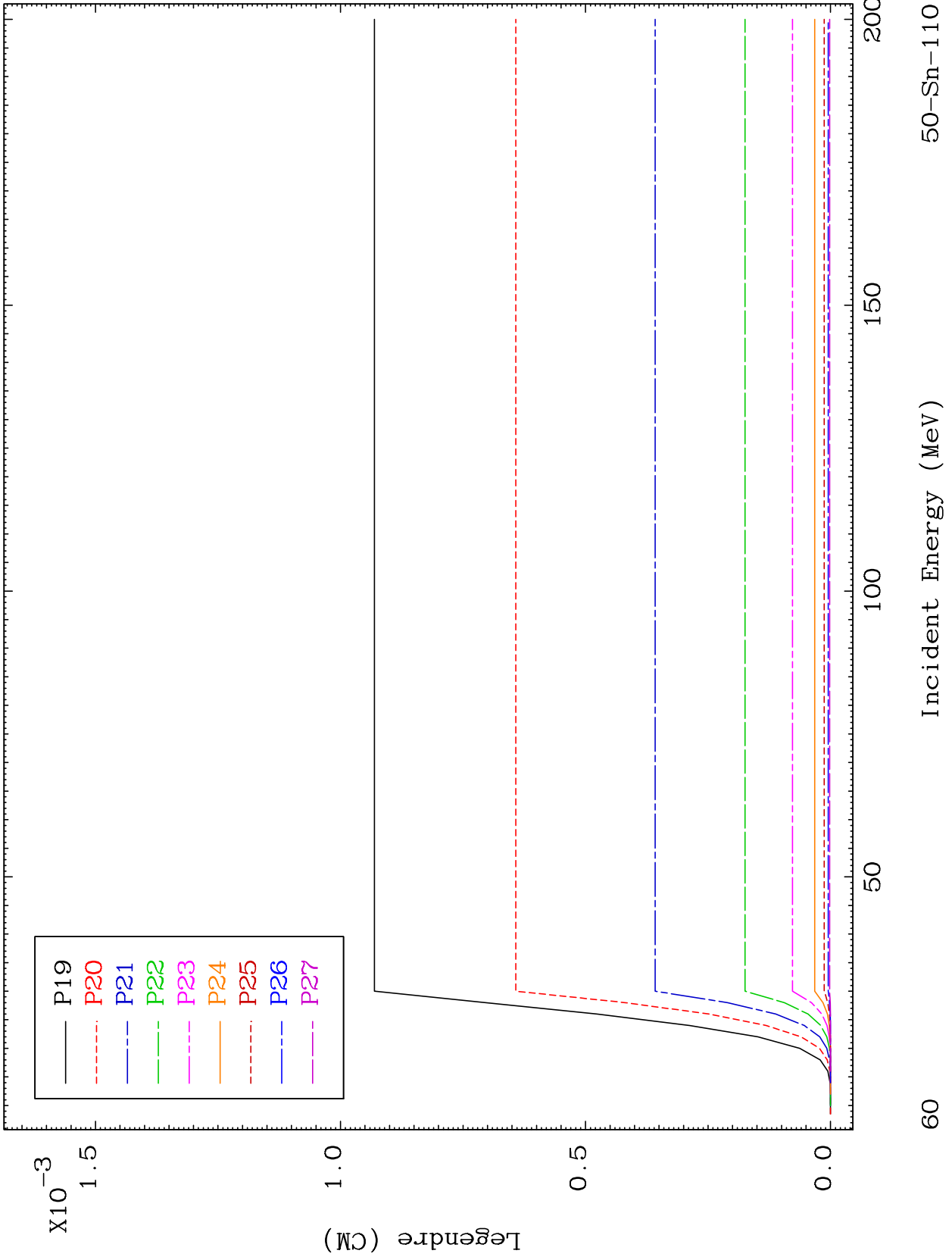
MAT 5019 MT= 61 (n,n') Level Legendre Coefficients 50-Sn-110



MAT 5019

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

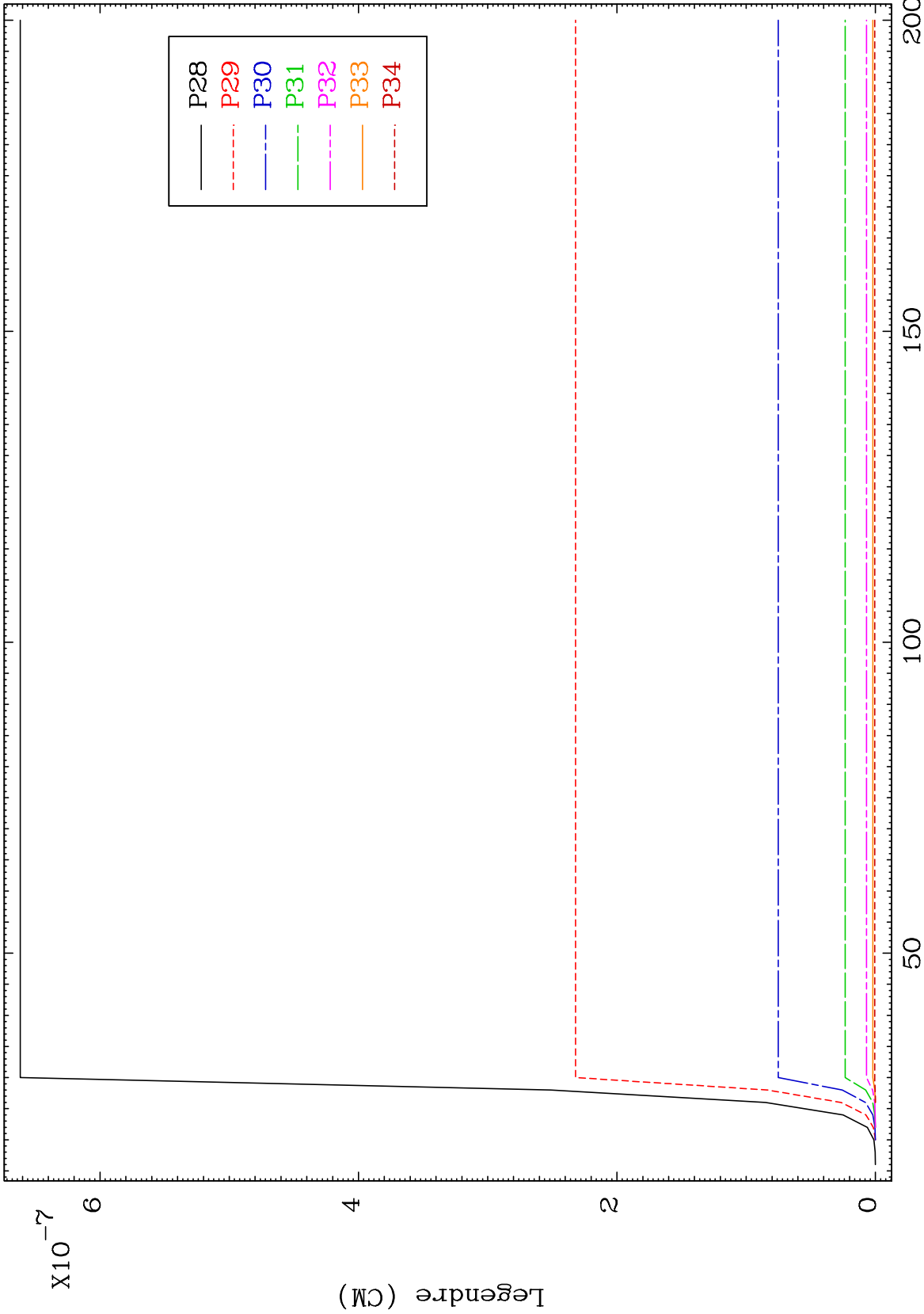
50-Sn-110



MAT 5019

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

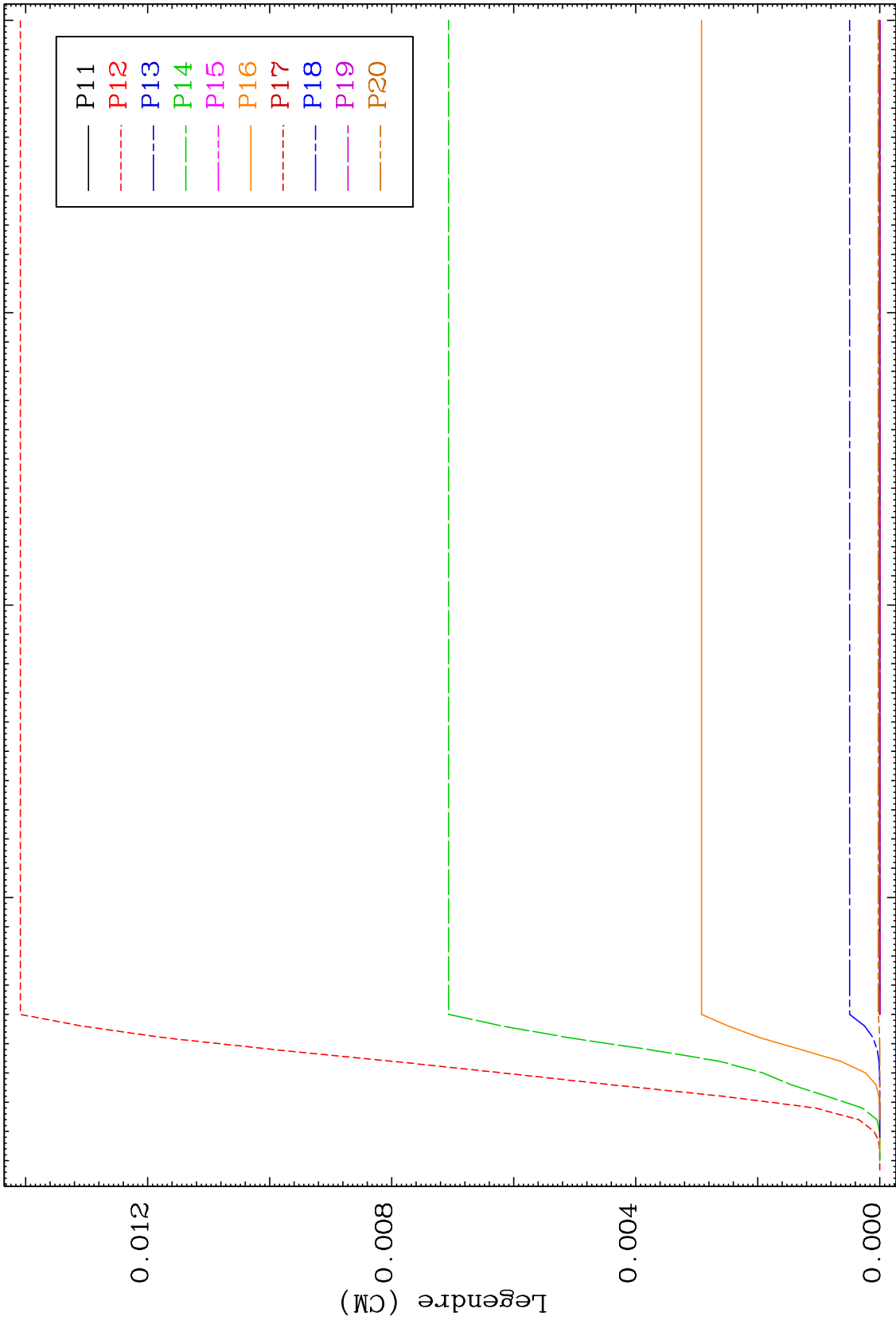
50-Sn-110



61

50-Sn-110

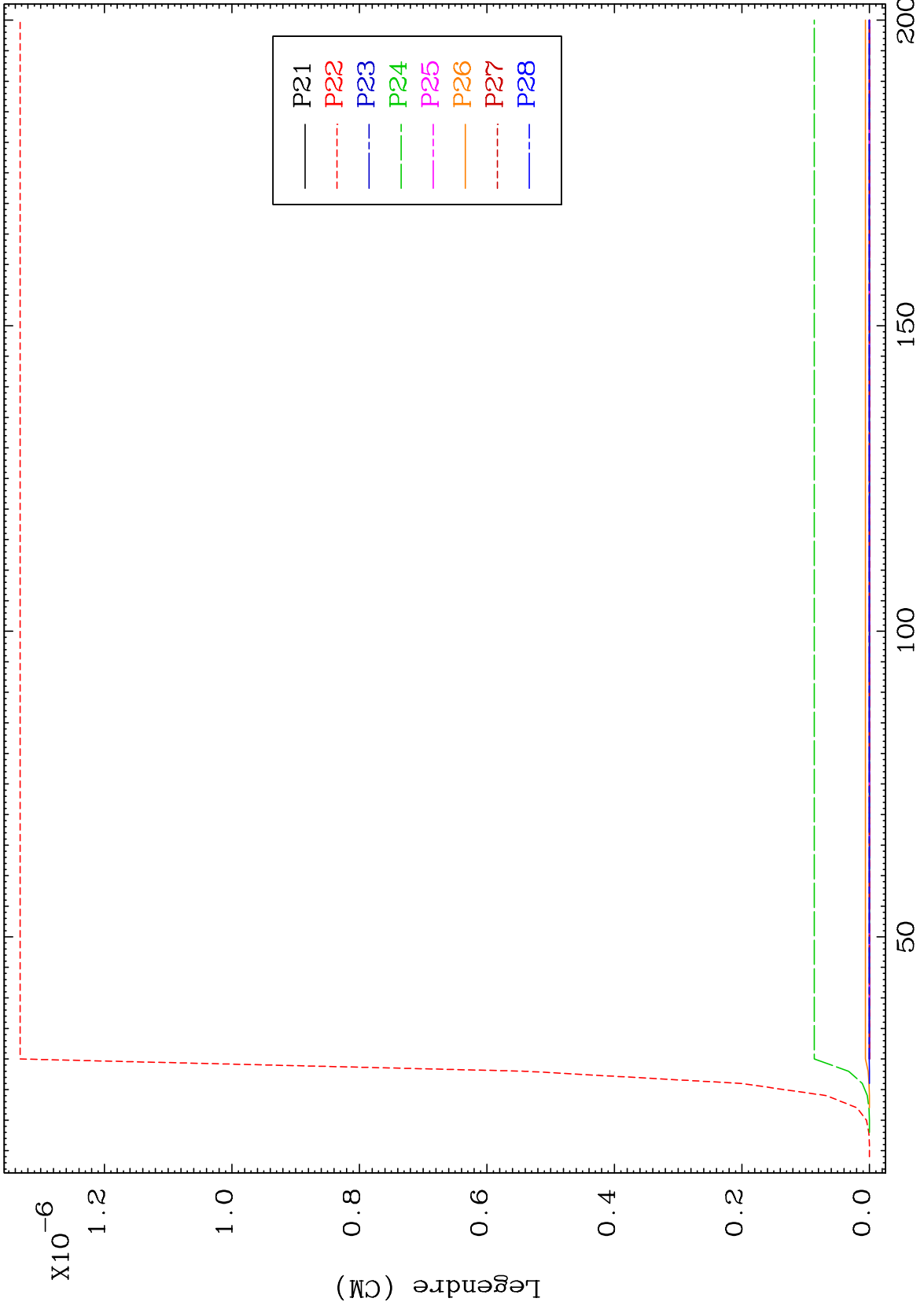
MAT 5019 MT= 62 (n,n') Level Legendre Coefficients 50-Sn-110



63

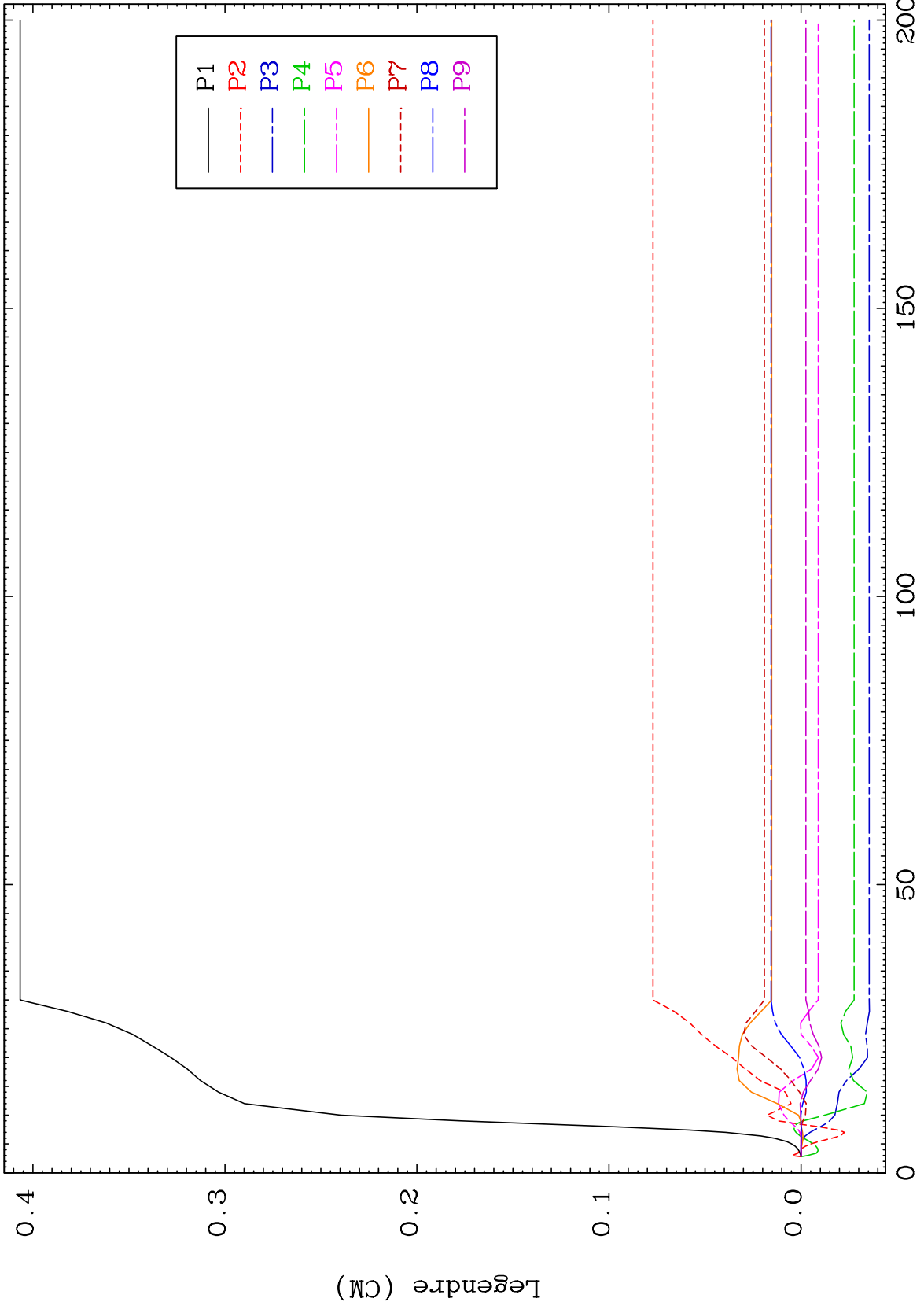
Incident Energy (MeV) 50-Sn-110

MAT 5019 MT= 62 (n,n') Level Legendre Coefficients 50-Sn-110

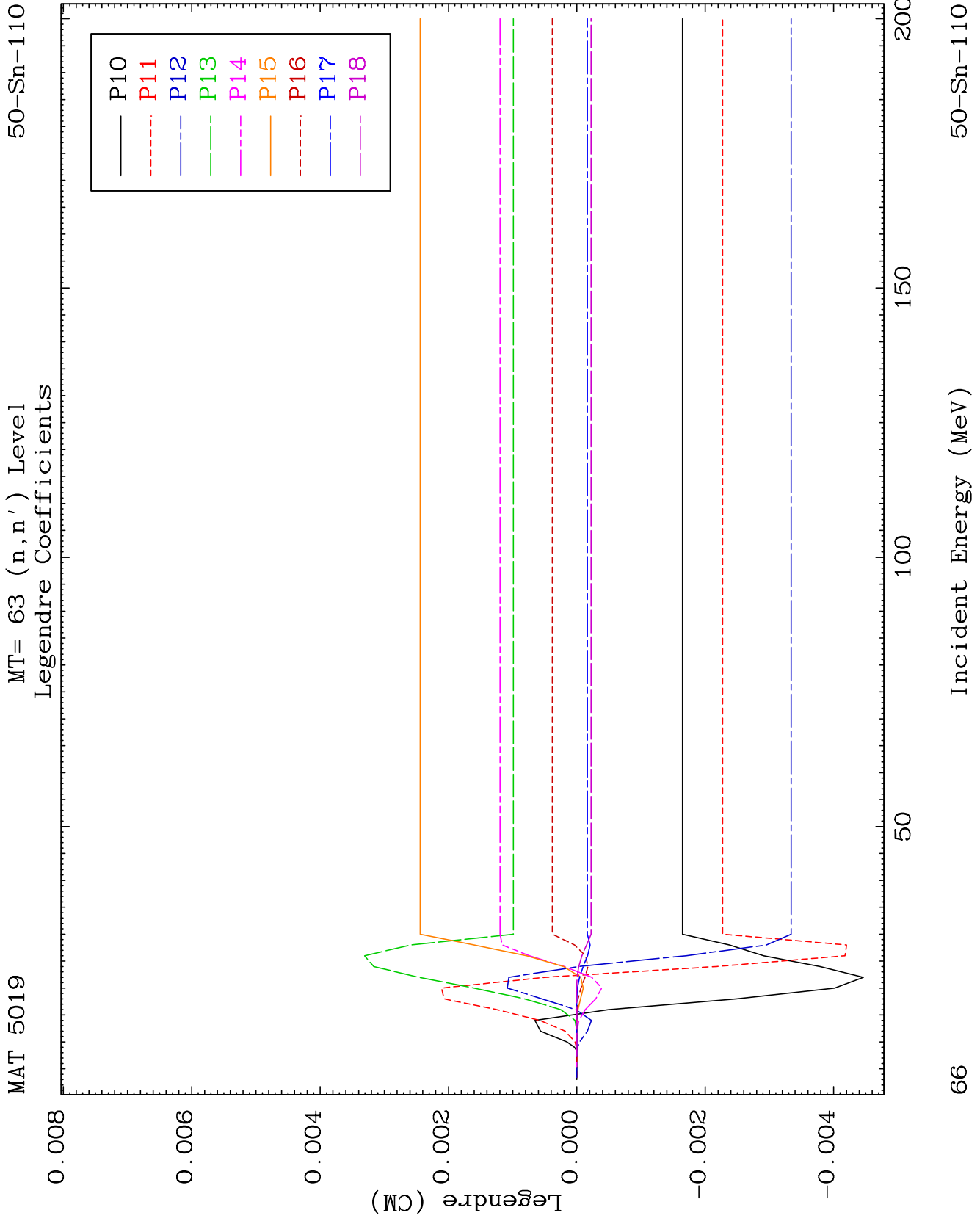


64 50-Sn-110

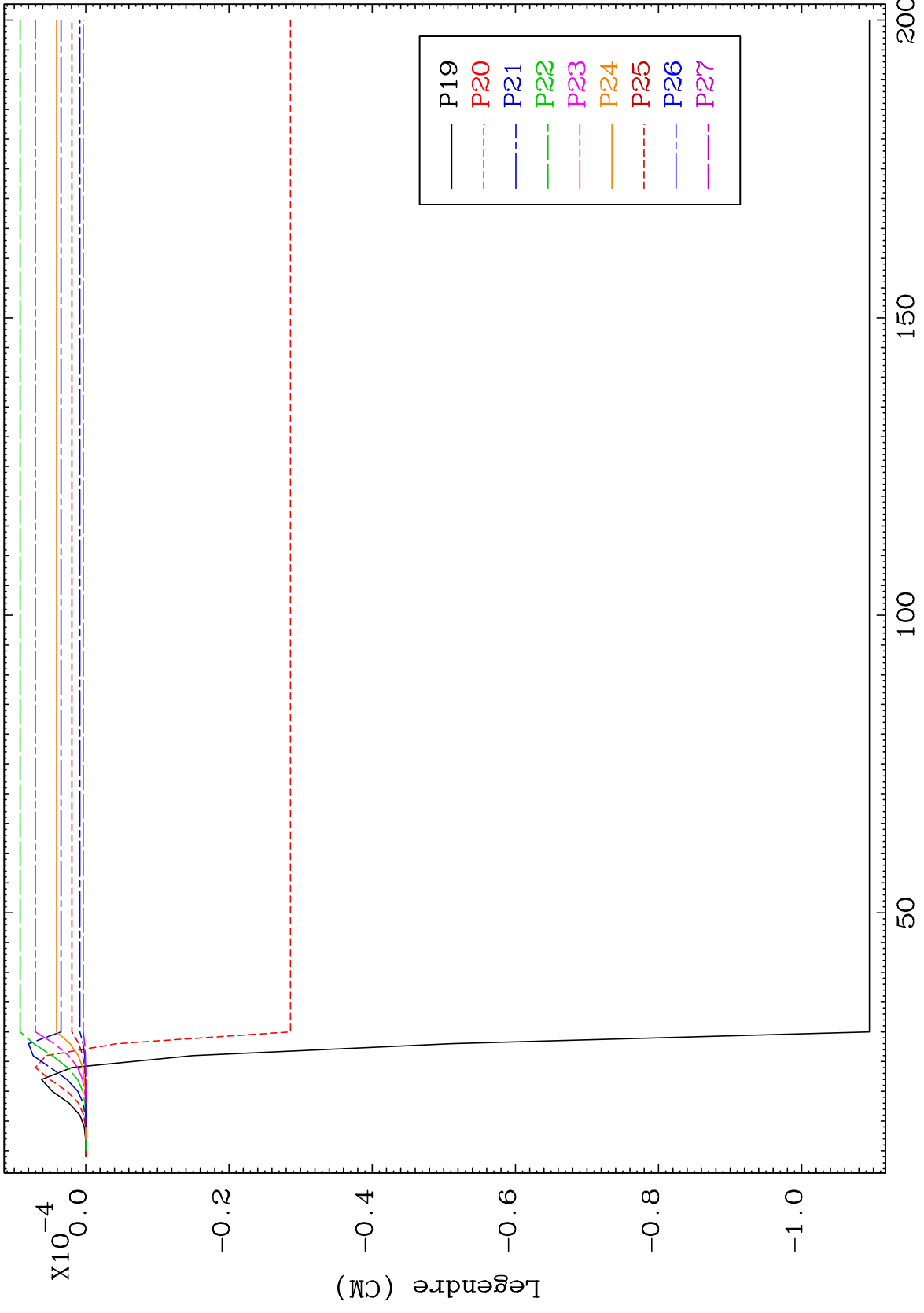
MAT 5019 MT= 63 (n,n') Level Legendre Coefficients 50-Sn-110



65 Incident Energy (MeV) 50-Sn-110



MAT 5019 MT= 63 (n,n') Level Legendre Coefficients 50-Sn-110

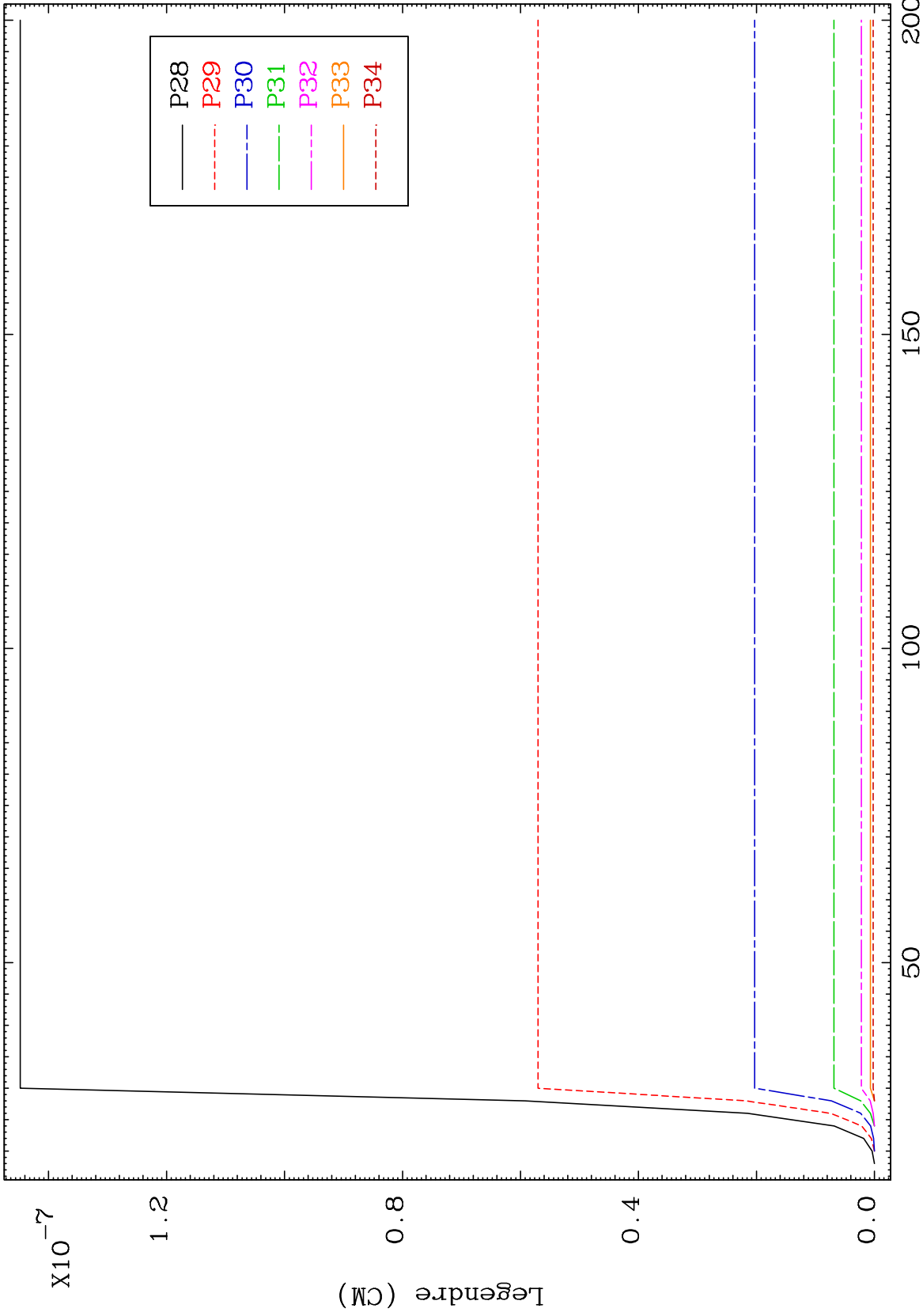


67 50-Sn-110

MAT 5019

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

50-Sn-110

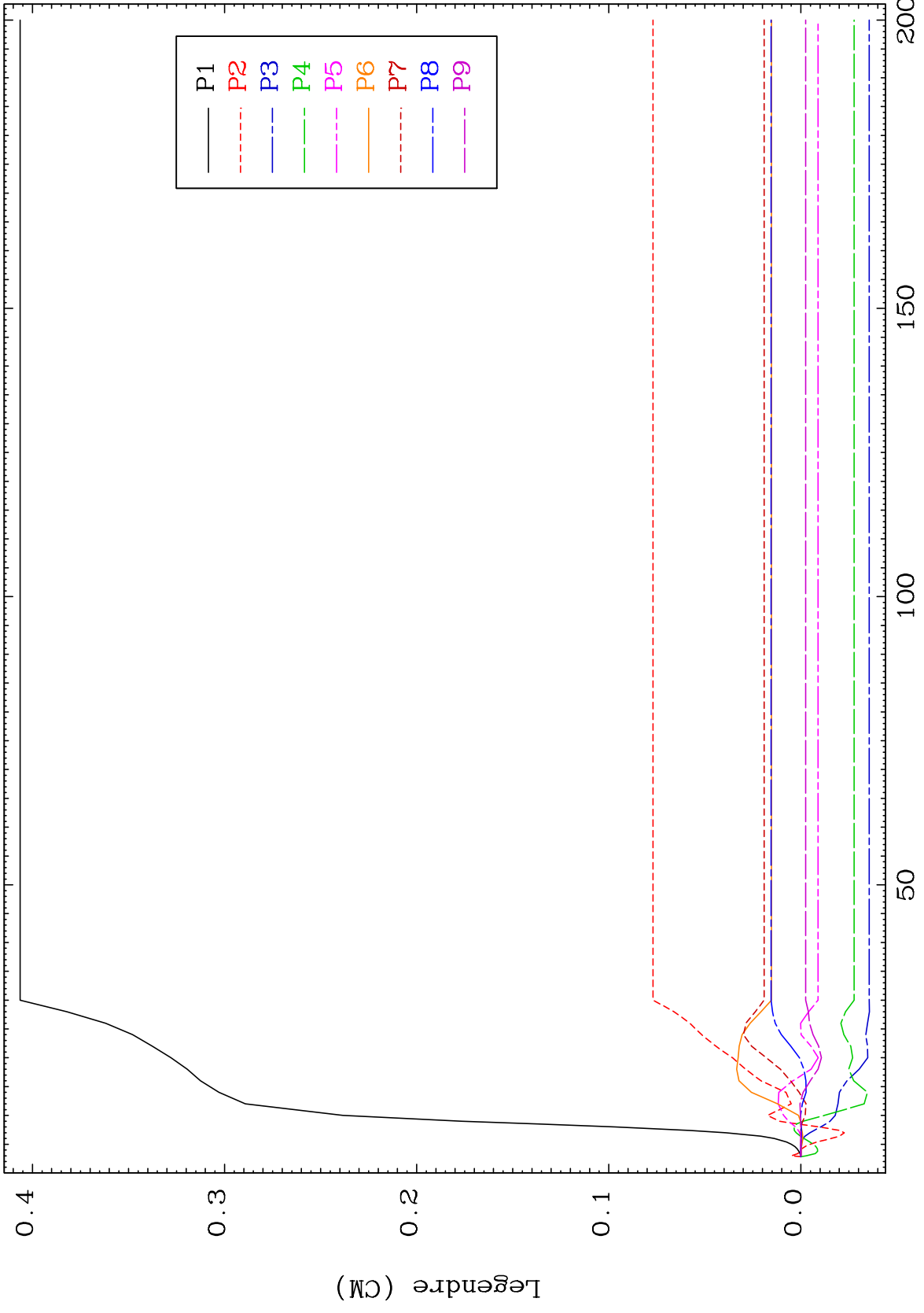


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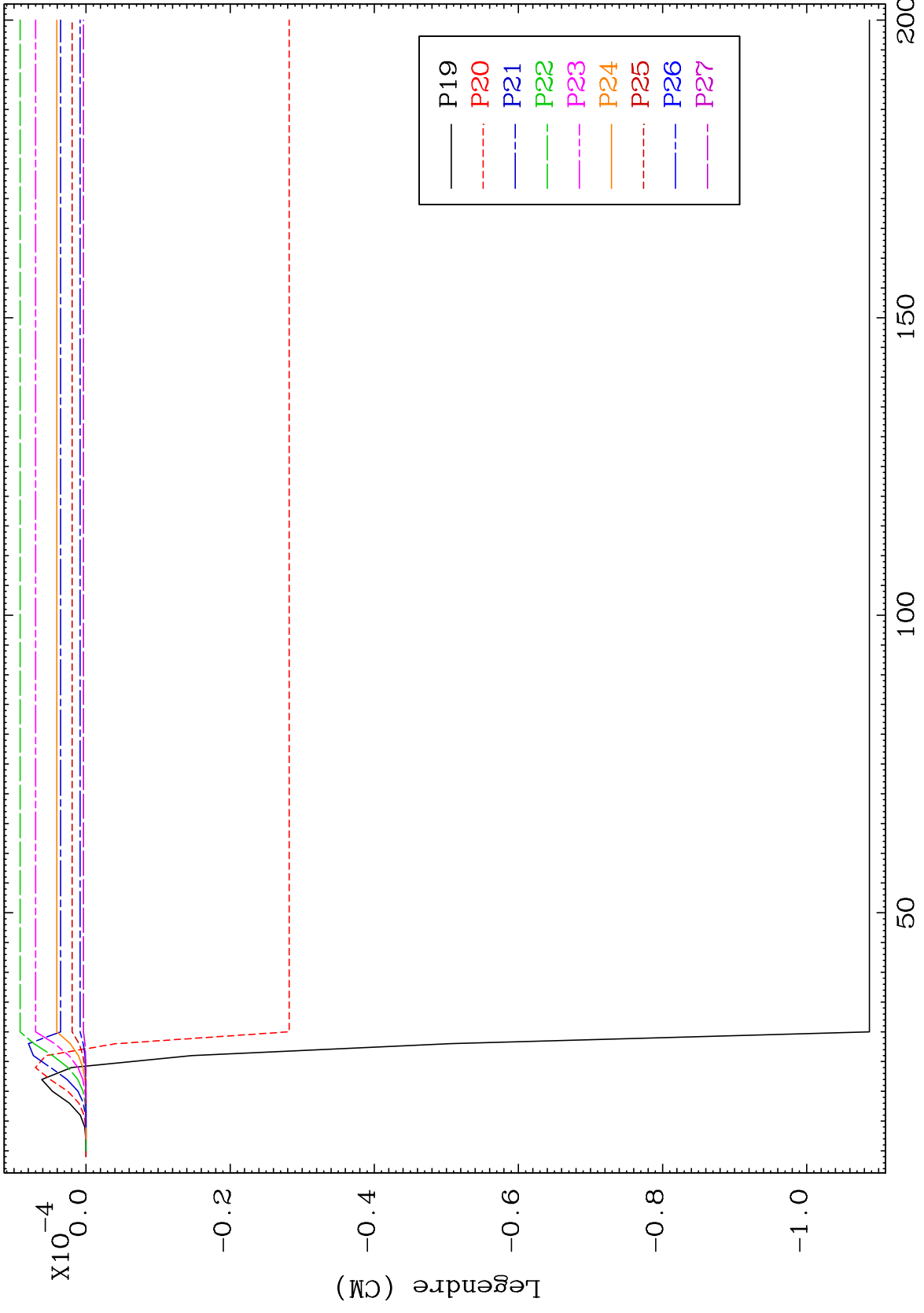
Incident Energy (MeV)

50-Sn-110

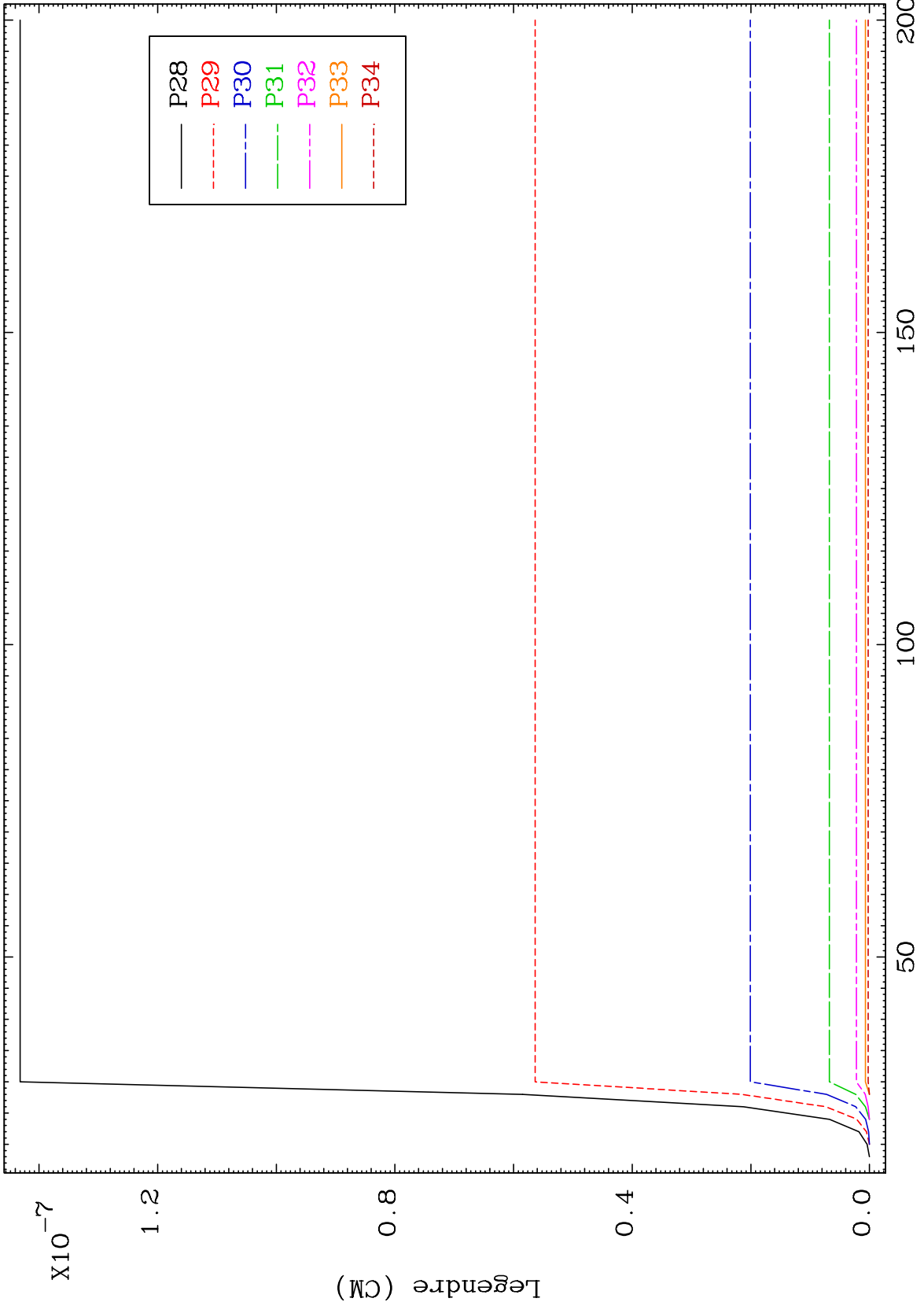
MAT 5019 MT= 64 (n,n') Level Legendre Coefficients 50-Sn-110



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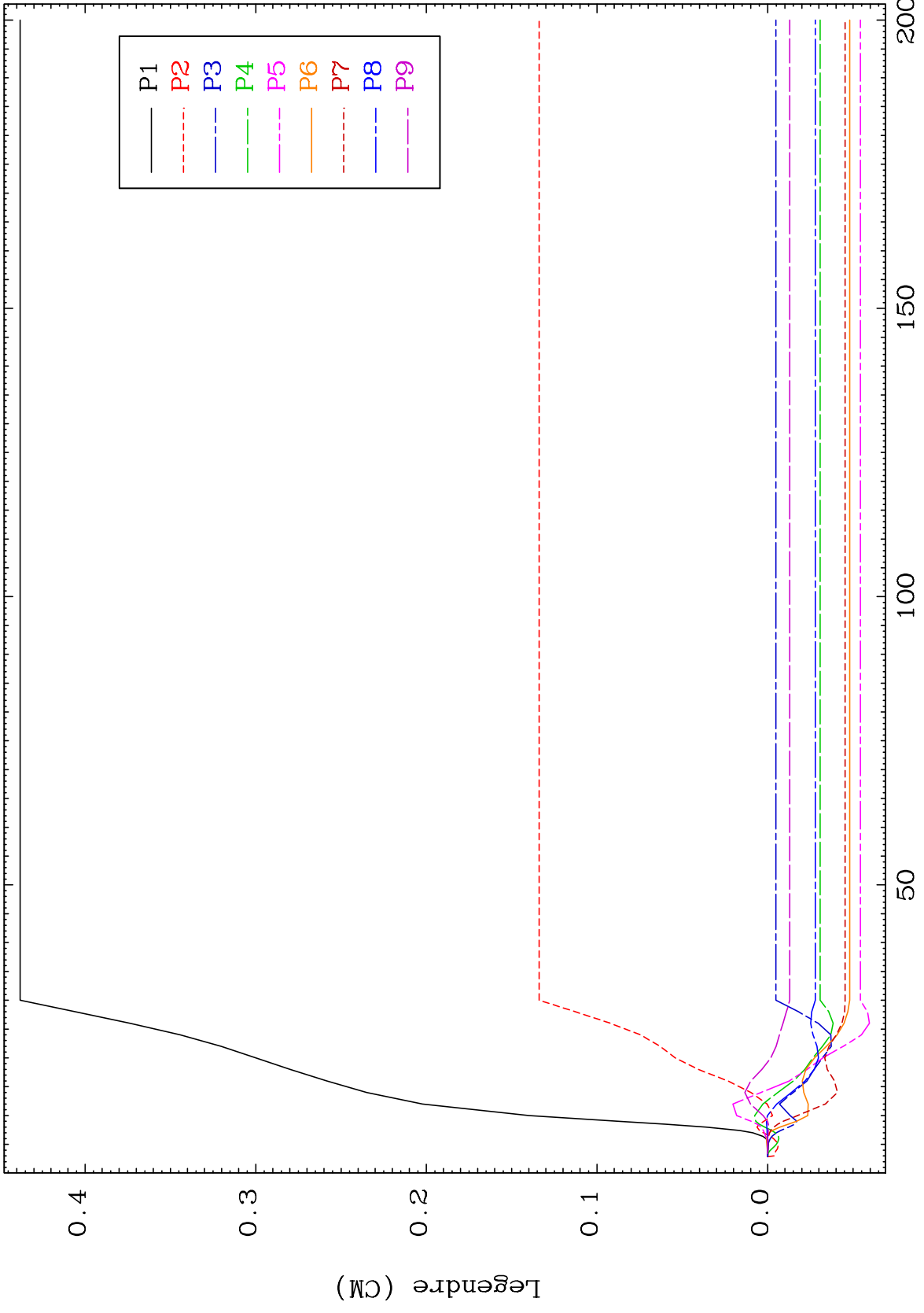


MAT 5019 MT= 64 (n,n') Level Legendre Coefficients 50-Sn-110

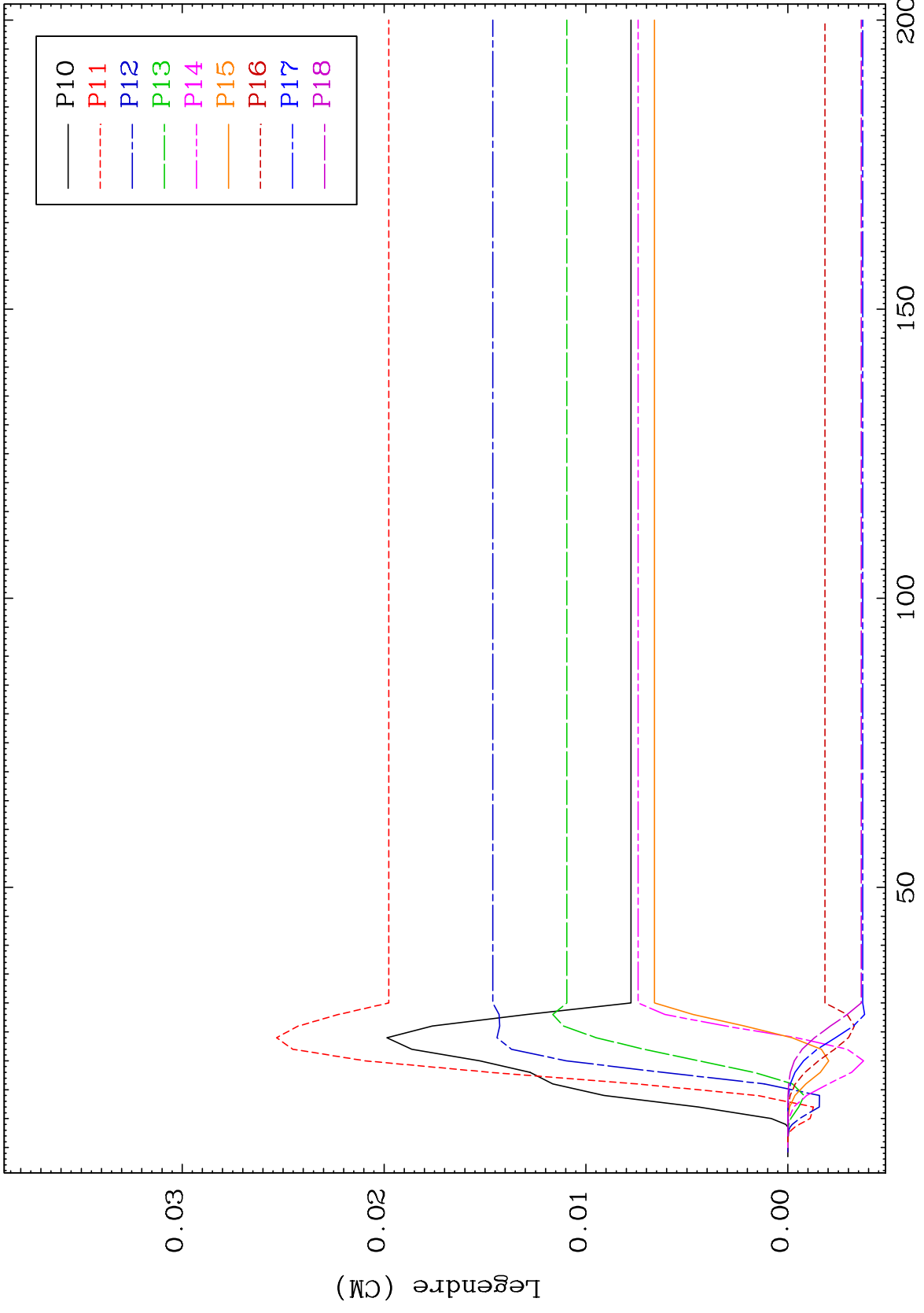


72 50-Sn-110

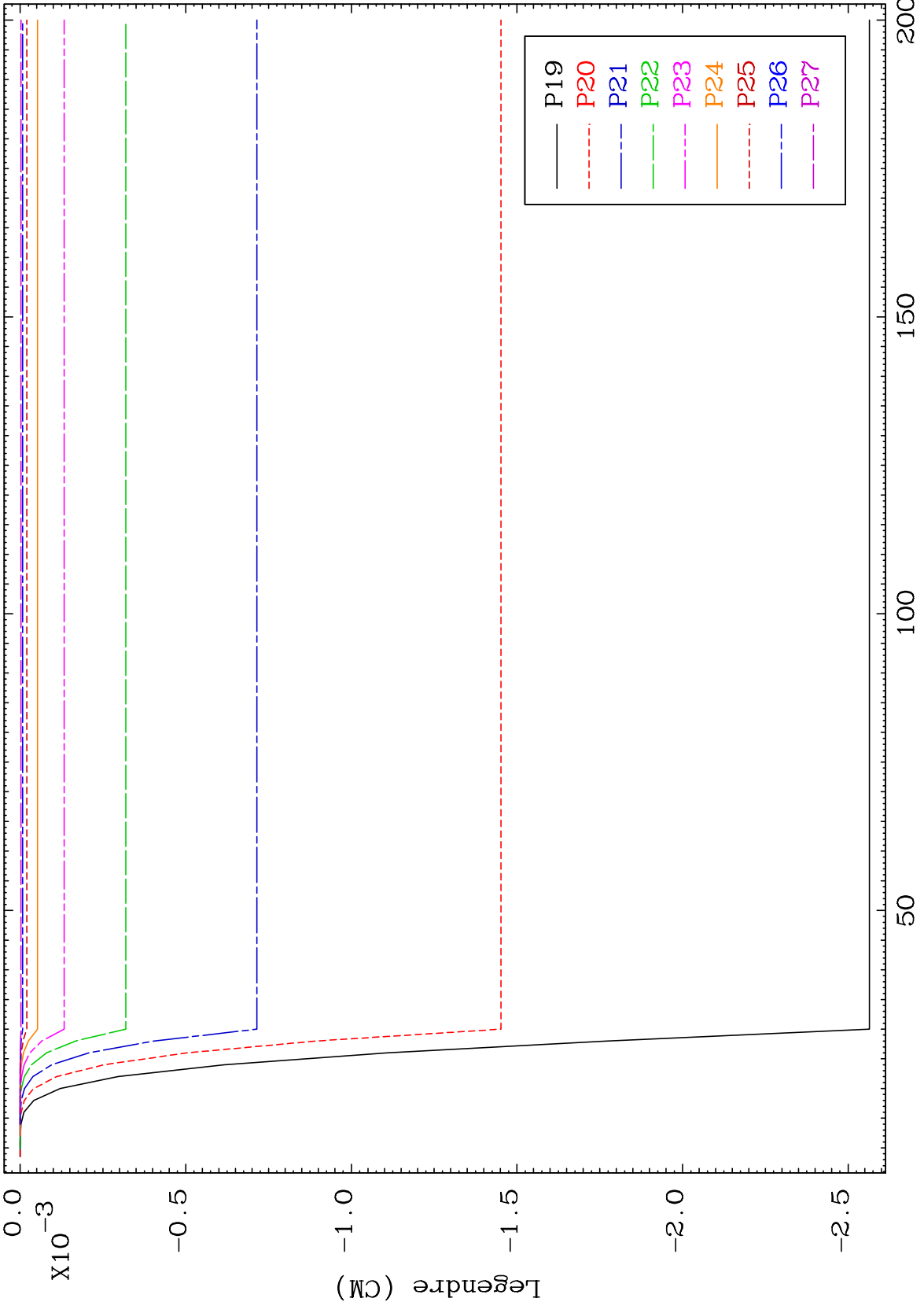
MAT 5019 MT= 65 (n,n') Level Legendre Coefficients 50-Sn-110



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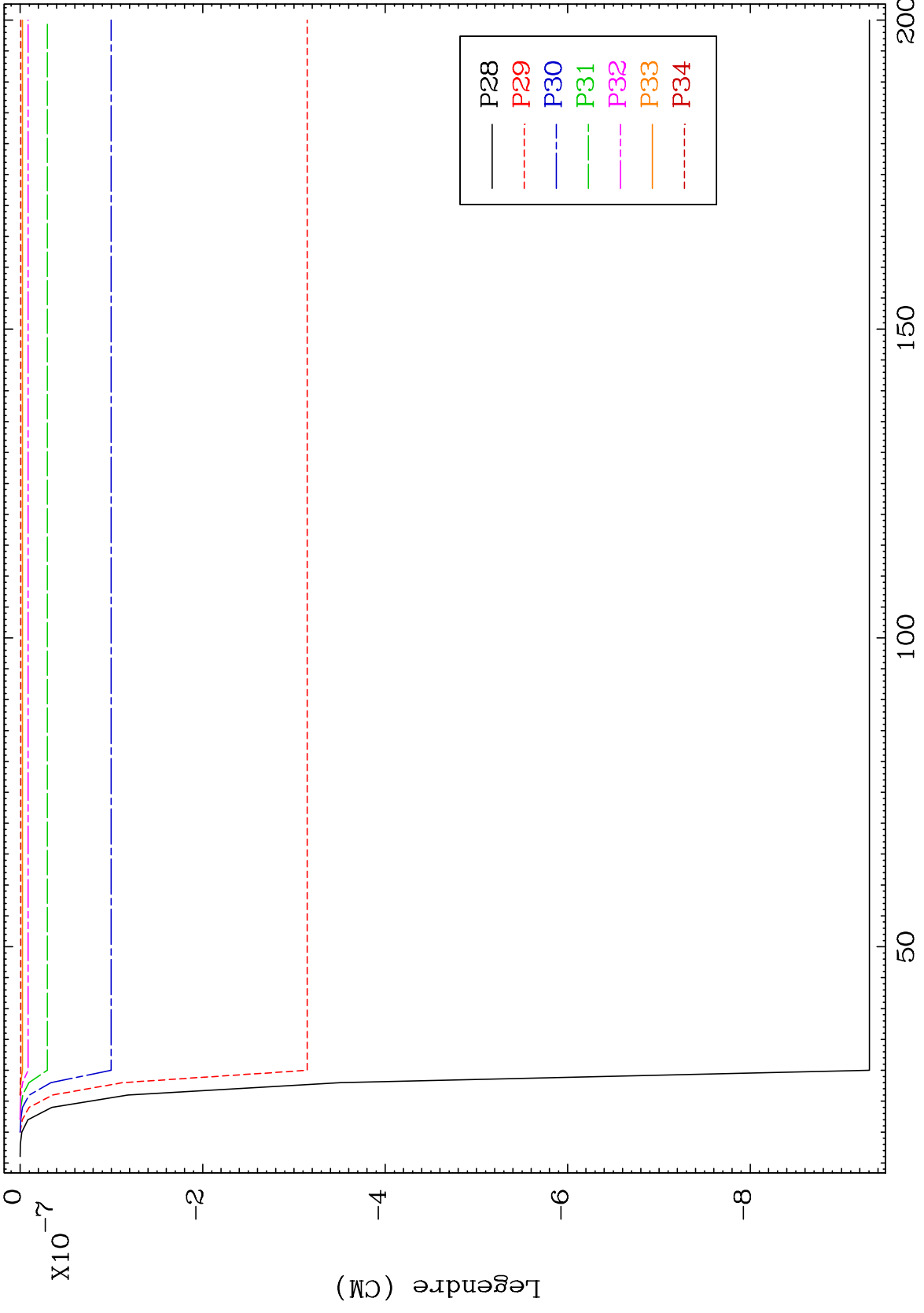


MAT 5019 MT= 65 (n,n') Level Legendre Coefficients 50-Sn-110



75 50 100 150 200 Incident Energy (MeV) 50-Sn-110

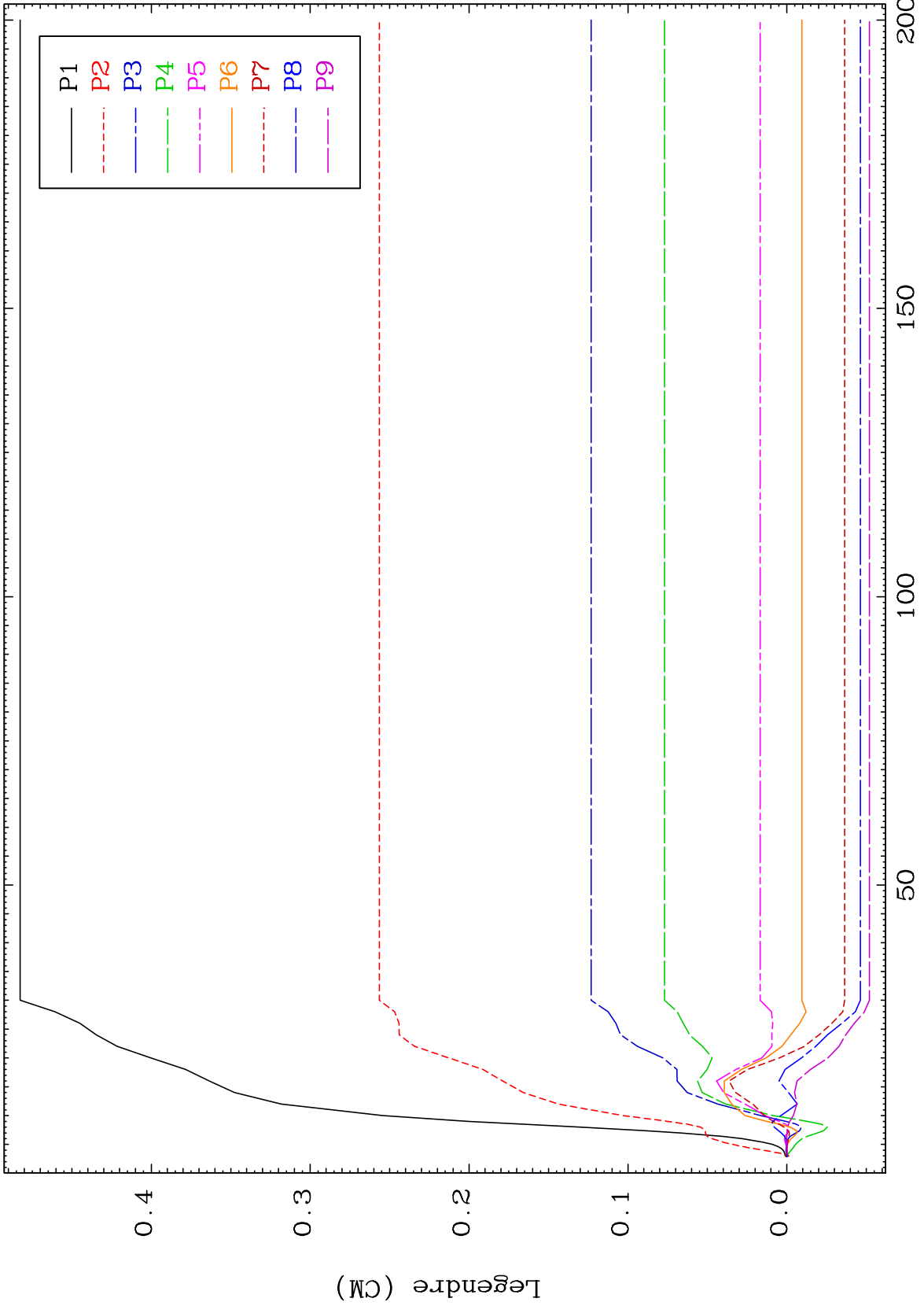
MAT 5019 MT= 65 (n,n') Level Legendre Coefficients 50-Sn-110



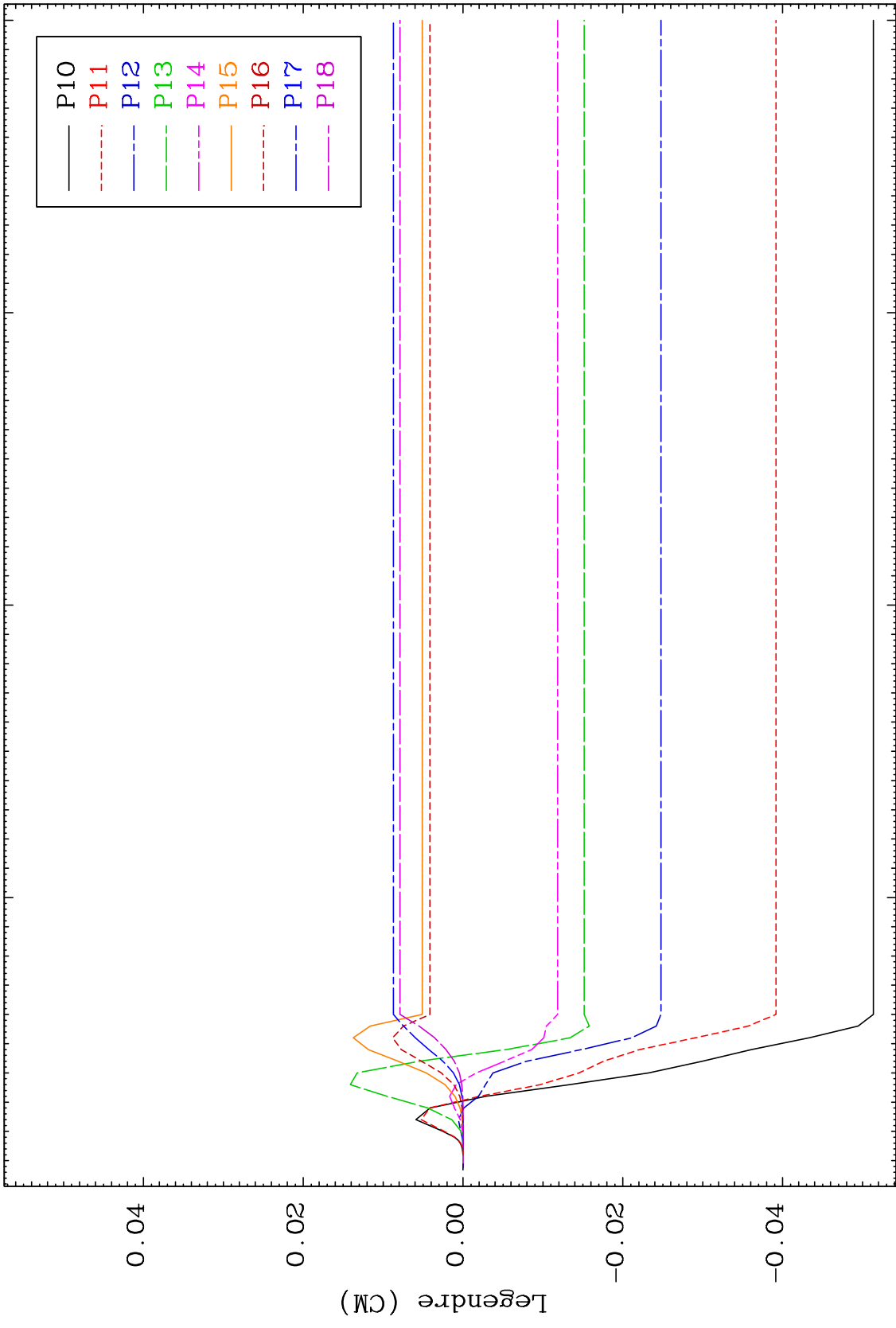
76

50-Sn-110

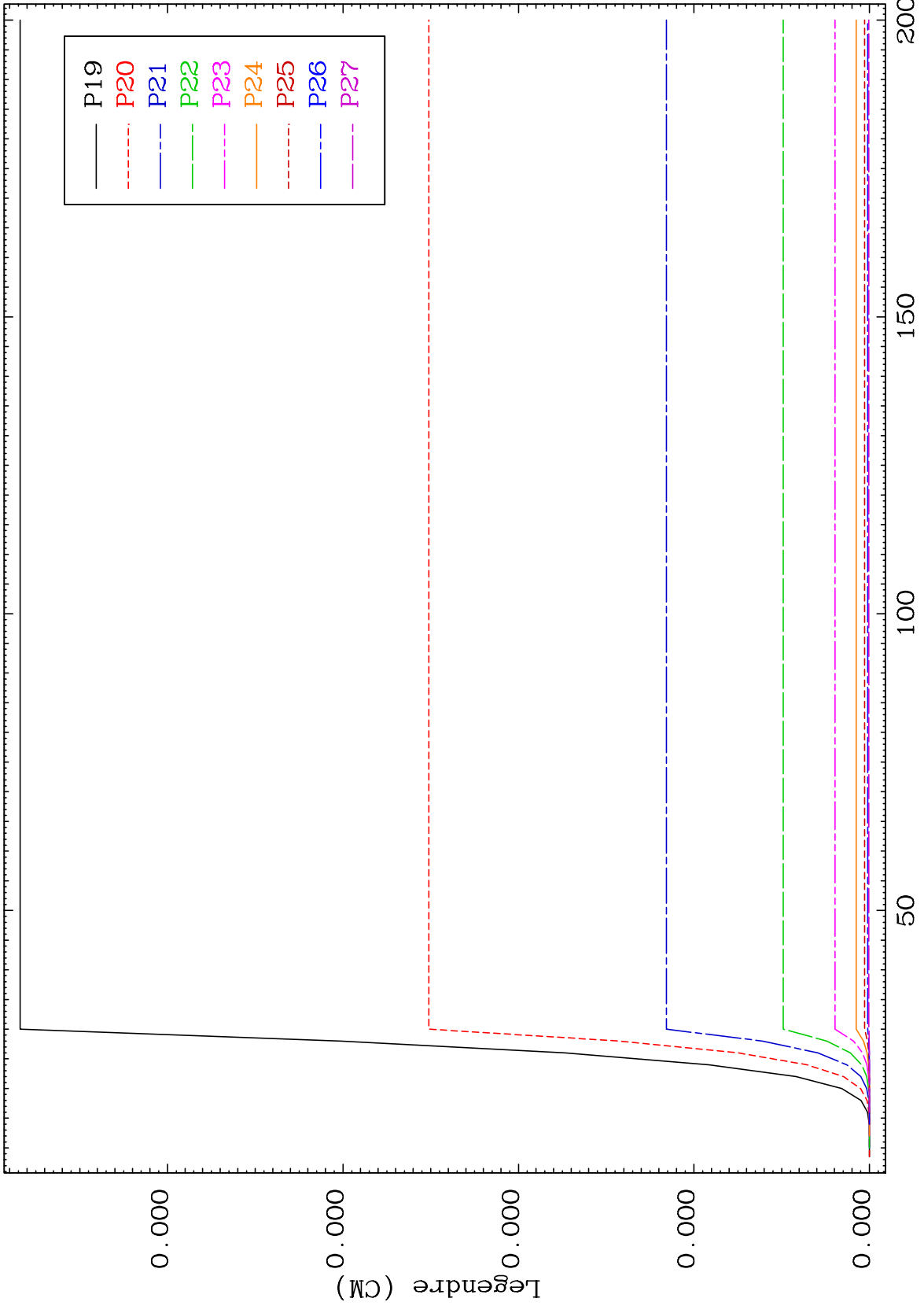
MAT 5019 MT= 66 (n,n') Level Legendre Coefficients 50-Sn-110



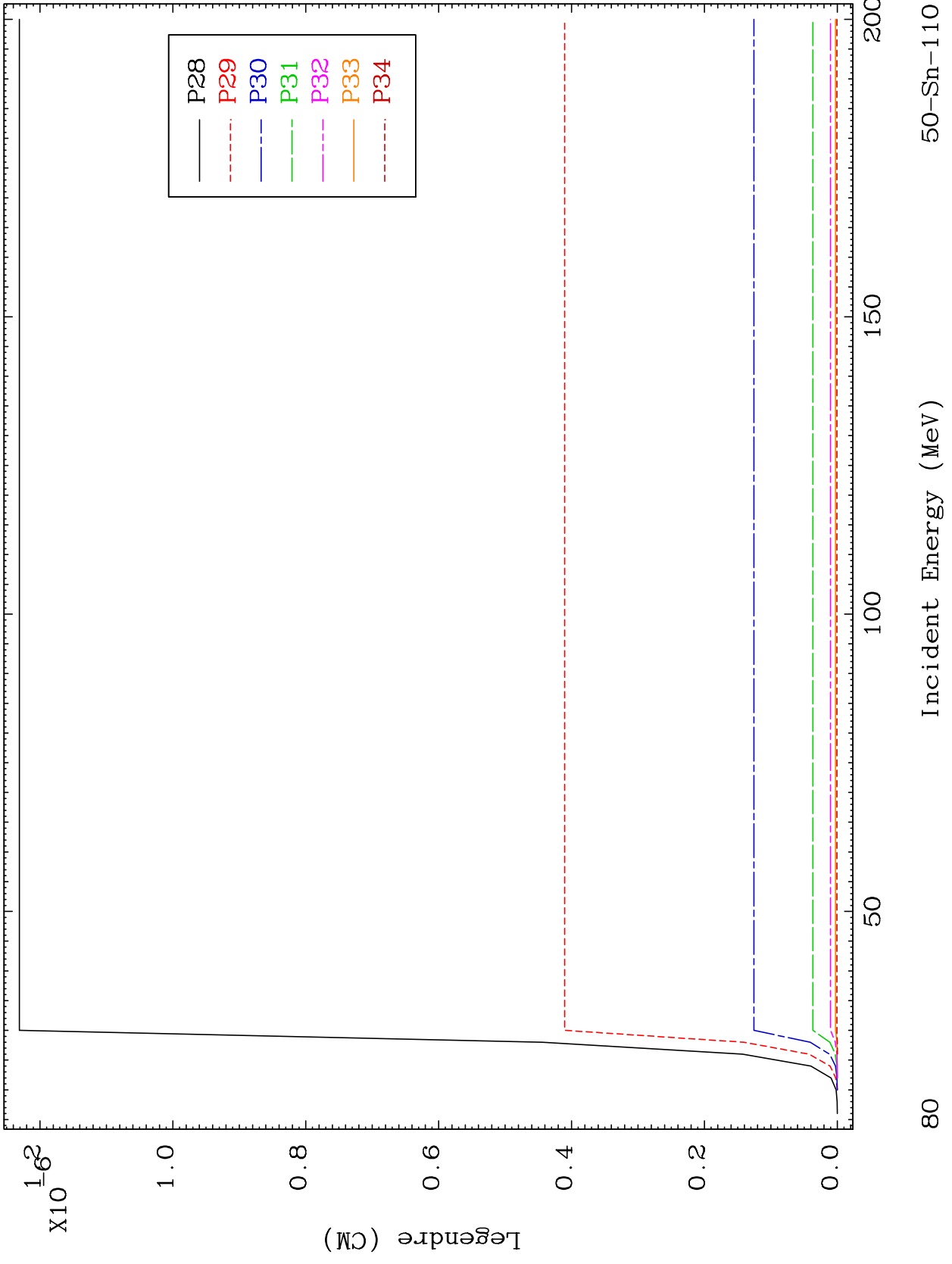
MAT 5019 MT= 66 (n,n') Level Legendre Coefficients 50-Sn-110



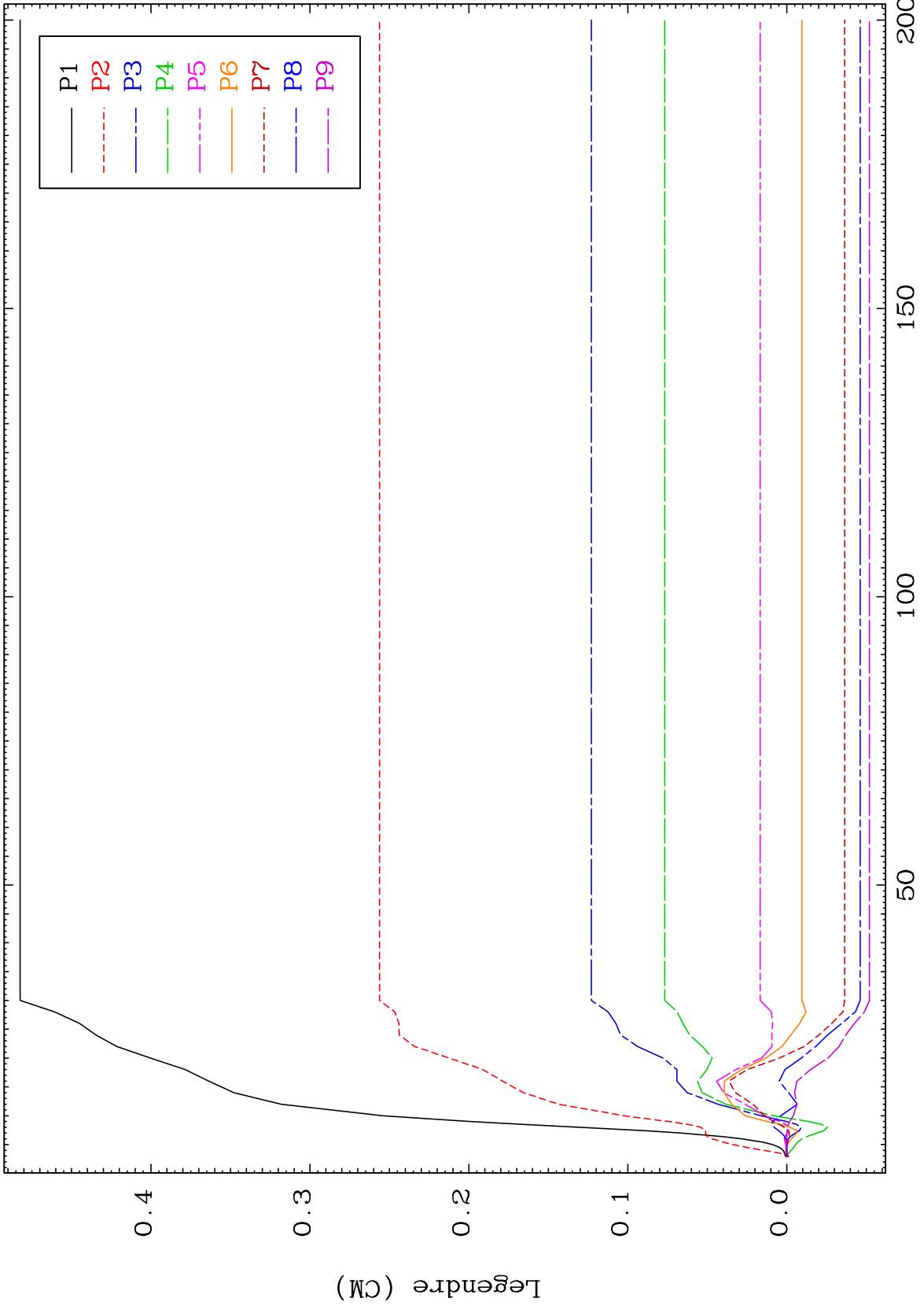
MAT 5019 MT= 66 (n,n') Level Legendre Coefficients 50-Sn-110



MAT 5019 MT= 66 (n,n') Level Legendre Coefficients 50-Sn-110



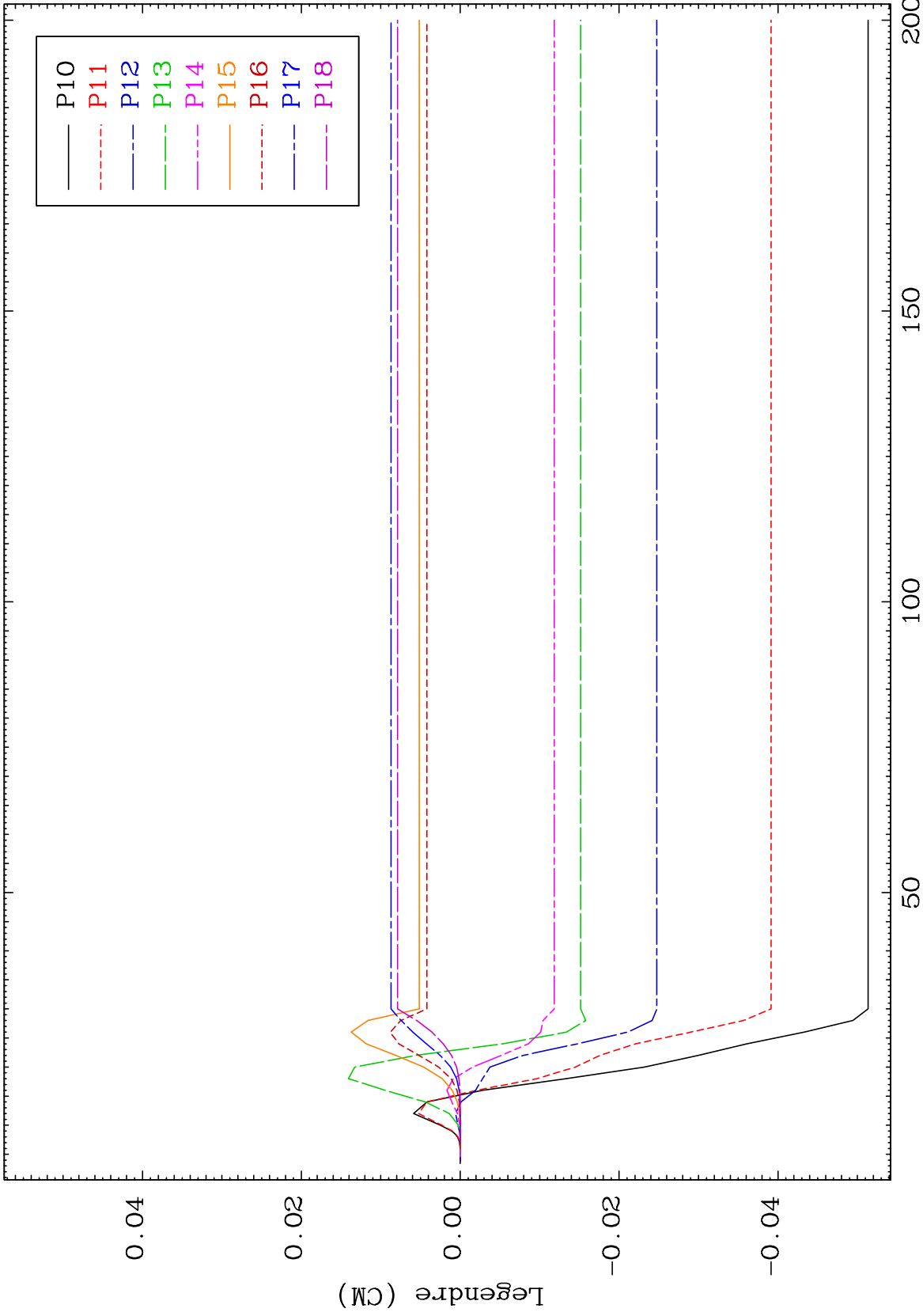
MAT 5019 MT= 67 (n,n') Level Legendre Coefficients 50-Sn-110



MAT 5019

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

50-Sn-110

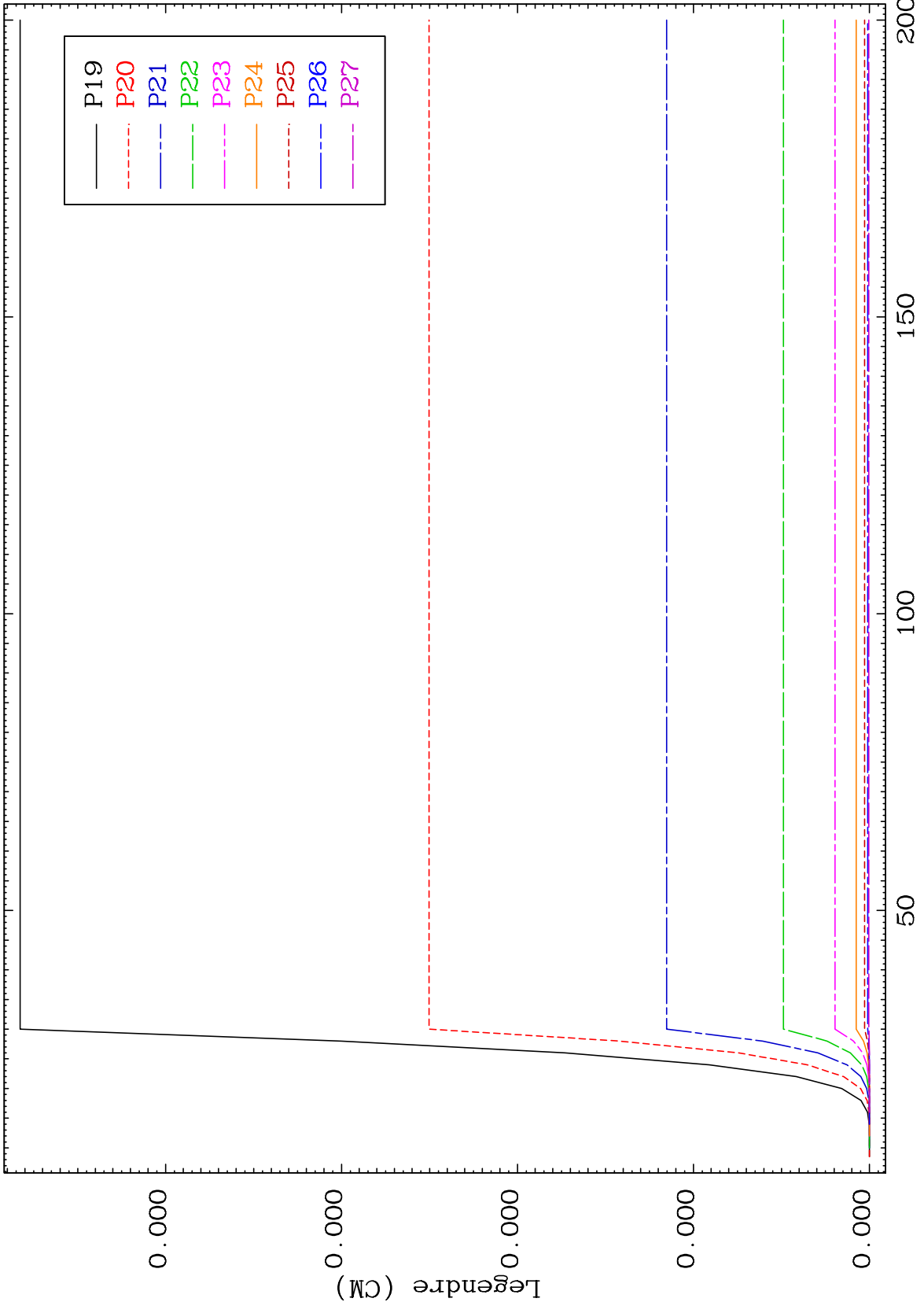


82

Incident Energy (MeV)

50-Sn-110

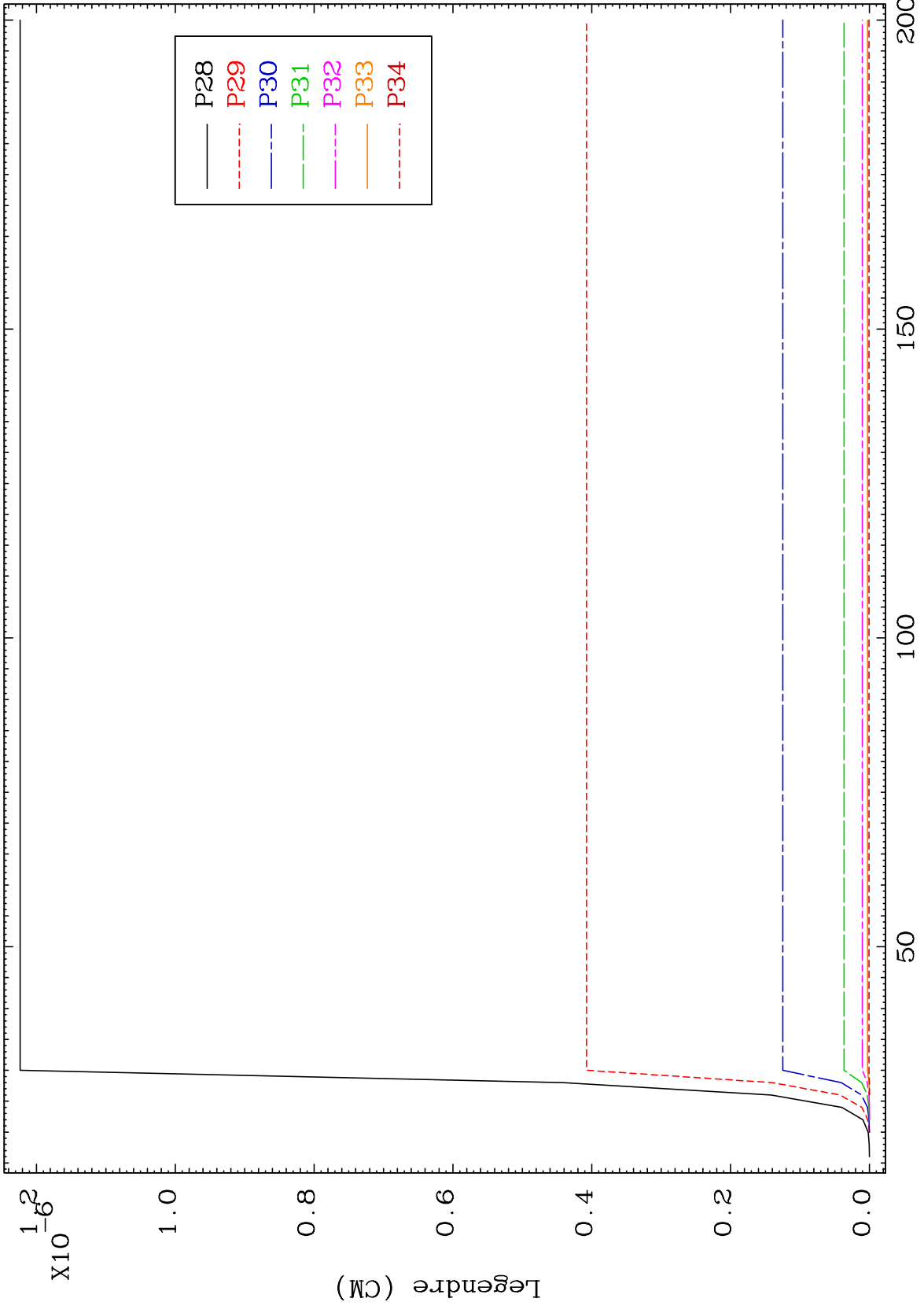
MAT 5019 MT= 67 (n,n') Level Legendre Coefficients 50-Sn-110



MAT 5019

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

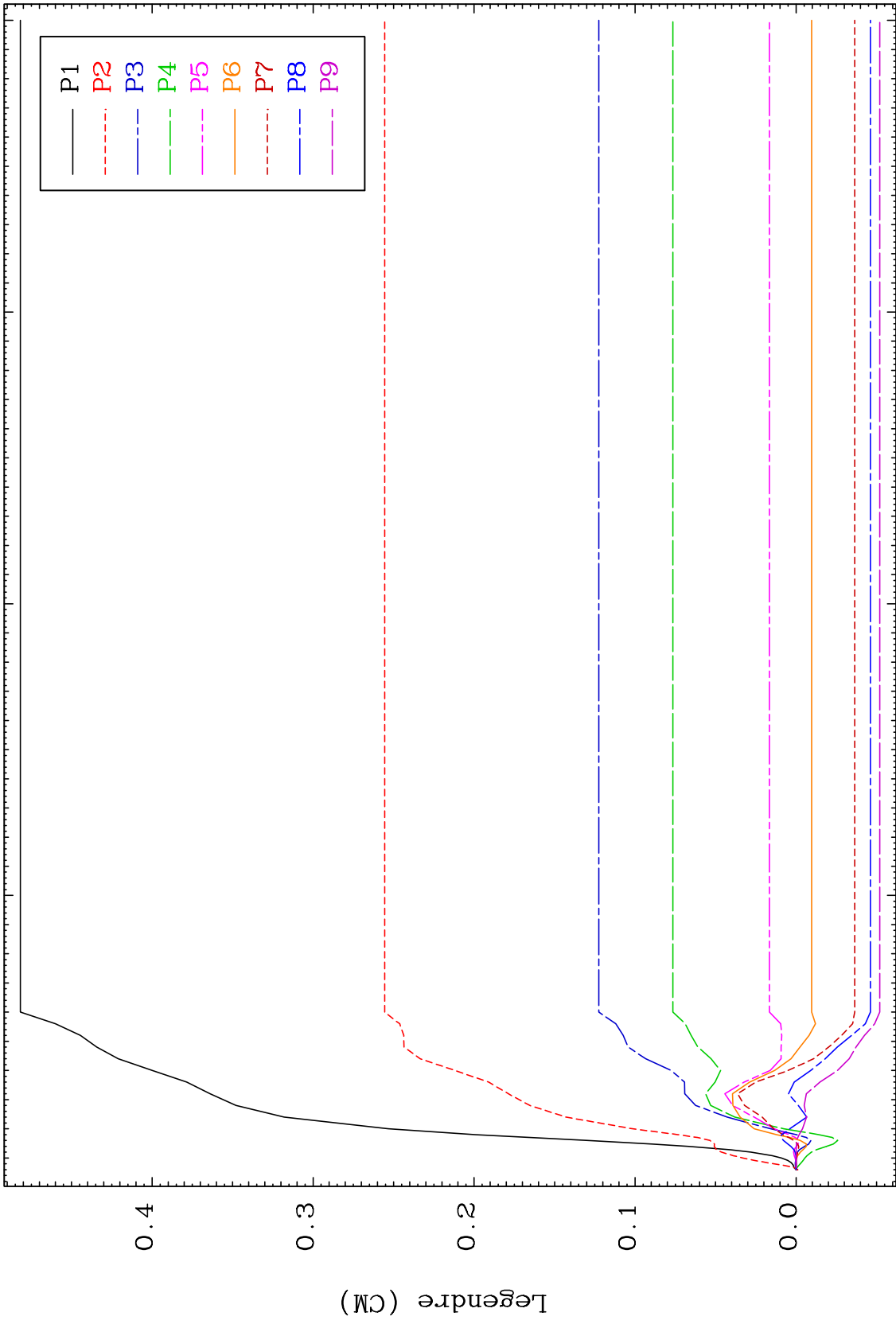
50-Sn-110



84

50-Sn-110

MAT 5019 MT= 68 (n,n') Level Legendre Coefficients 50-Sn-110



85

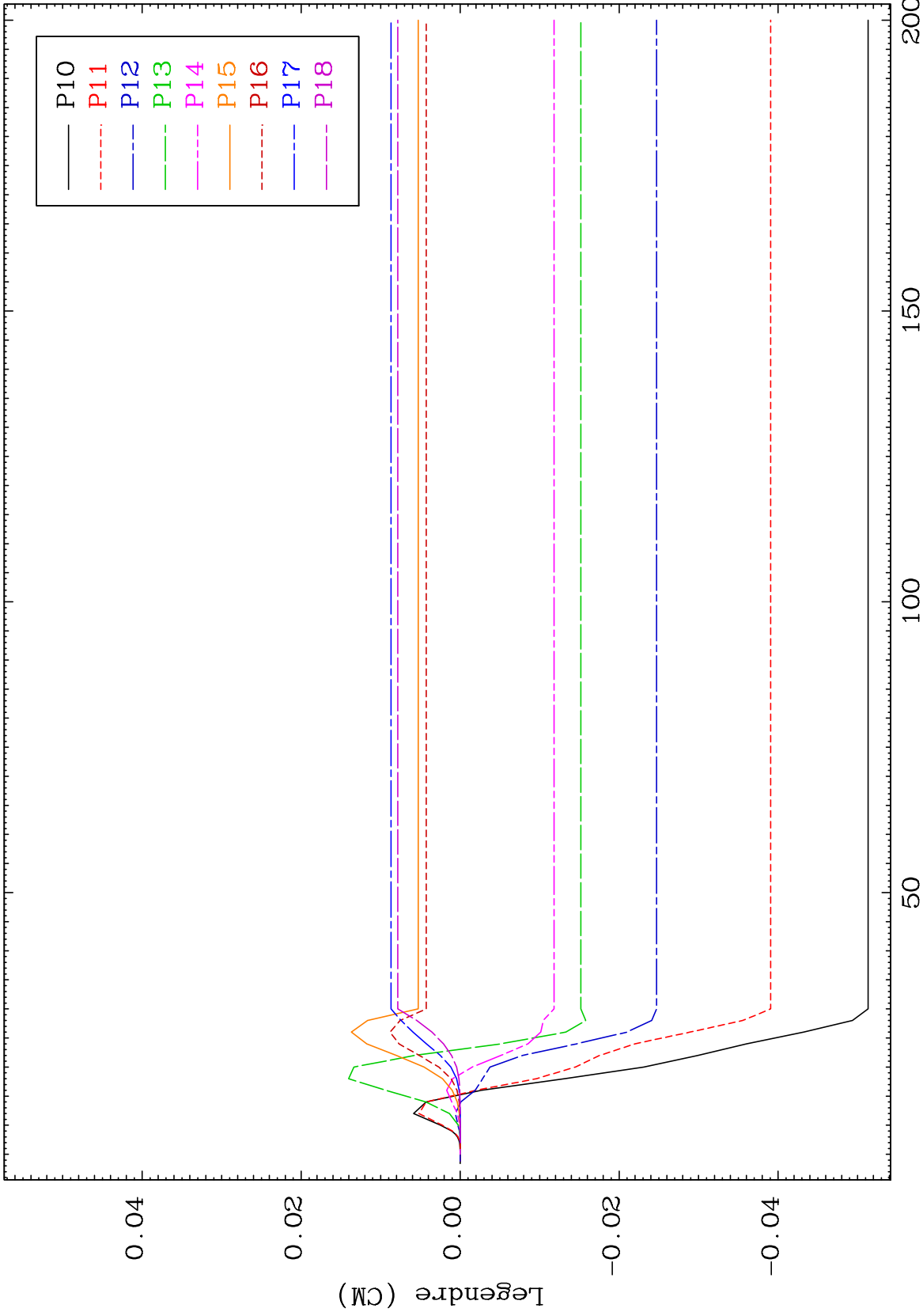
Incident Energy (MeV)

50-Sn-110

MAT 5019

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

50-Sn-110

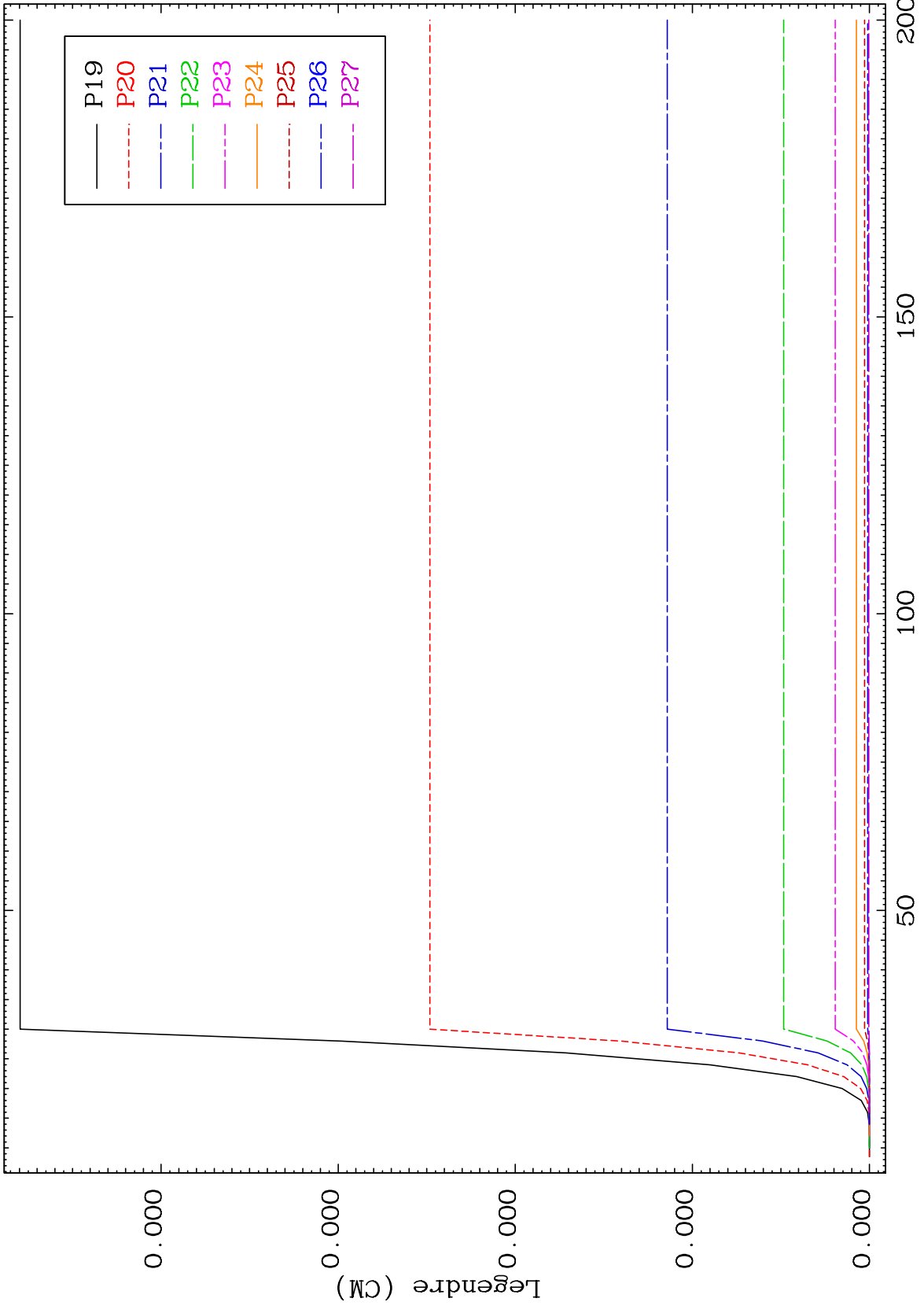


86

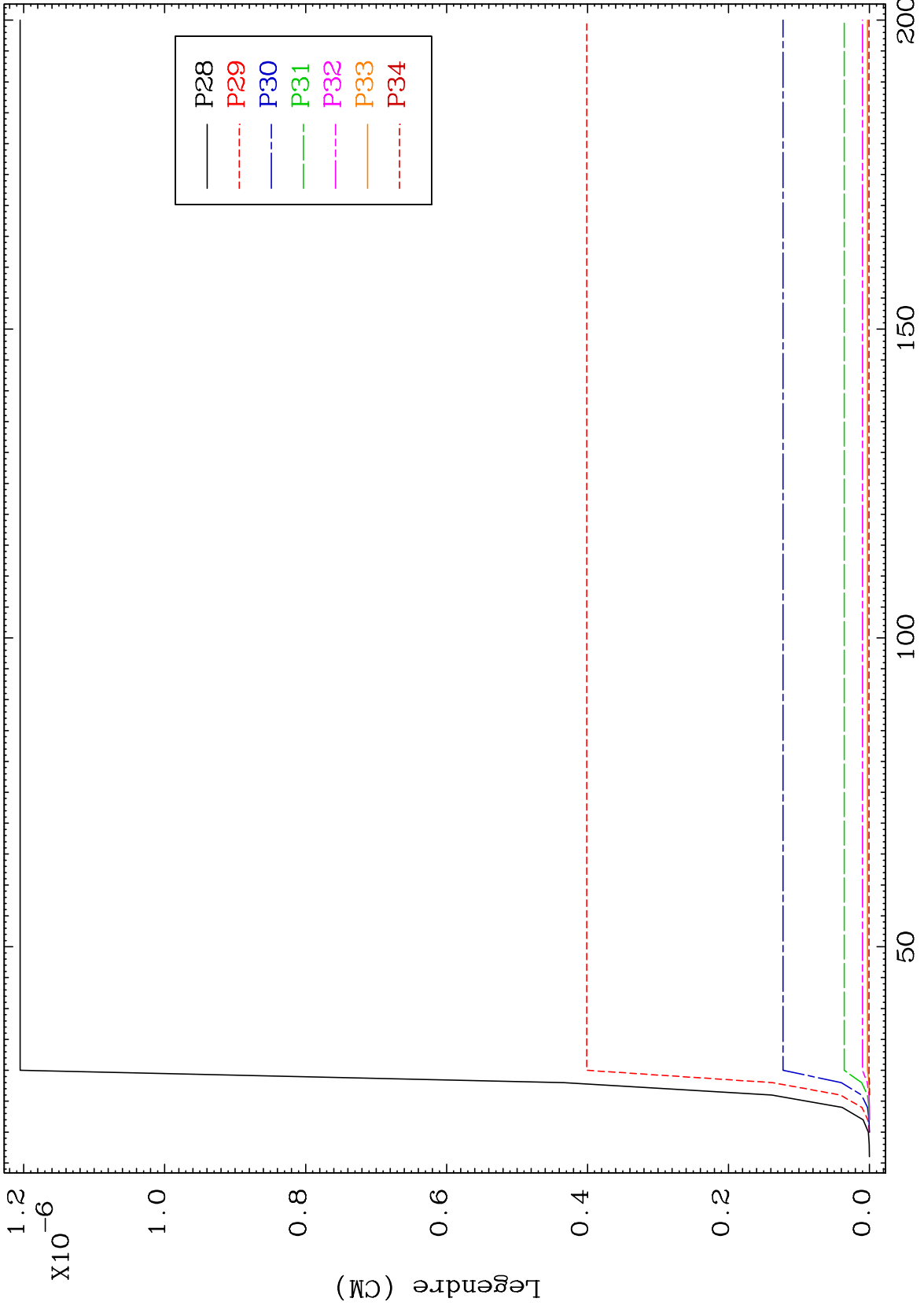
Incident Energy (MeV)

50-Sn-110

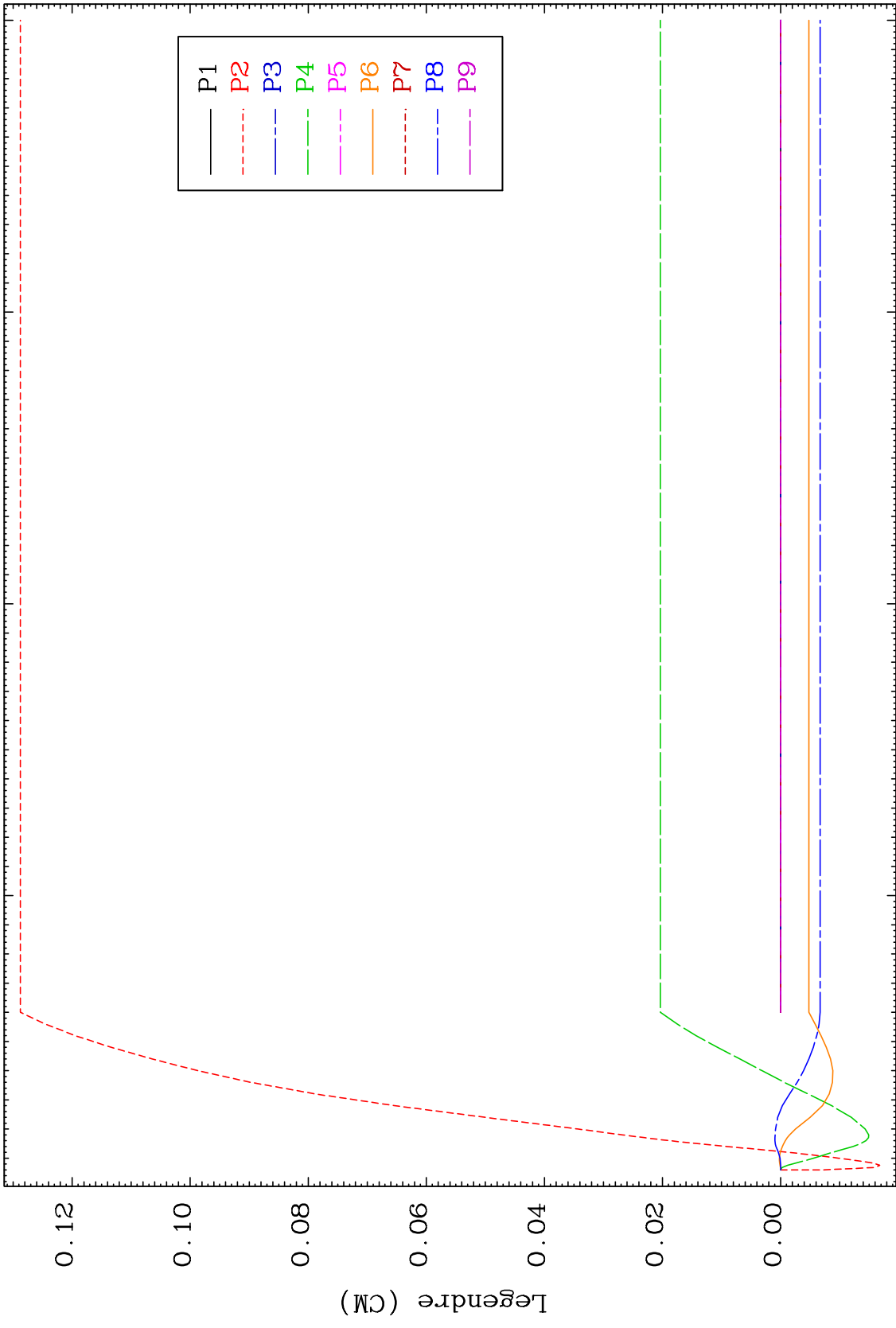
MAT 5019 MT= 68 (n,n') Level Legendre Coefficients 50-Sn-110



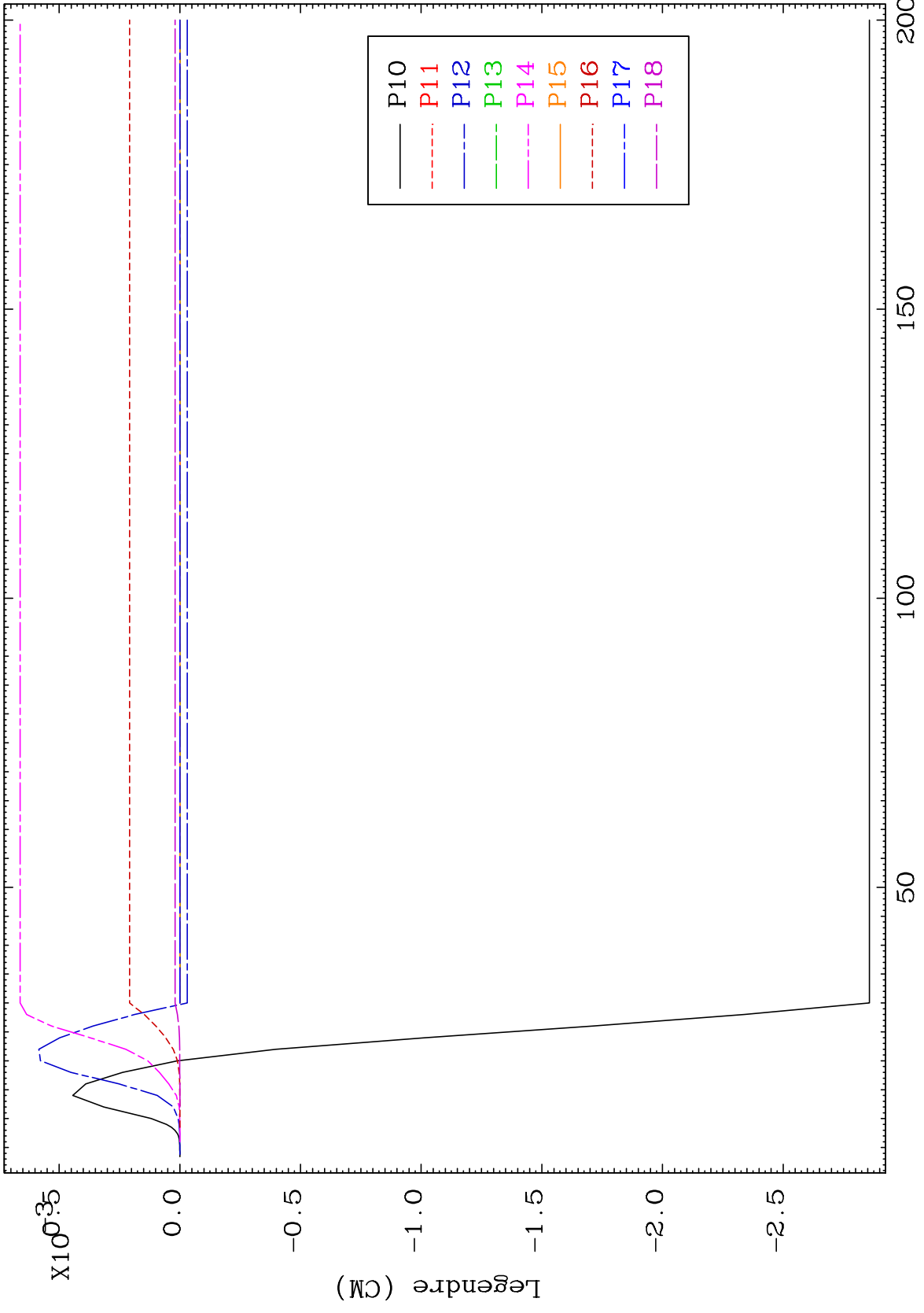
MAT 5019 MT= 68 (n,n') Level Legendre Coefficients 50-Sn-110



MAT 5019 MT= 69 (n,n') Level Legendre Coefficients 50-Sn-110



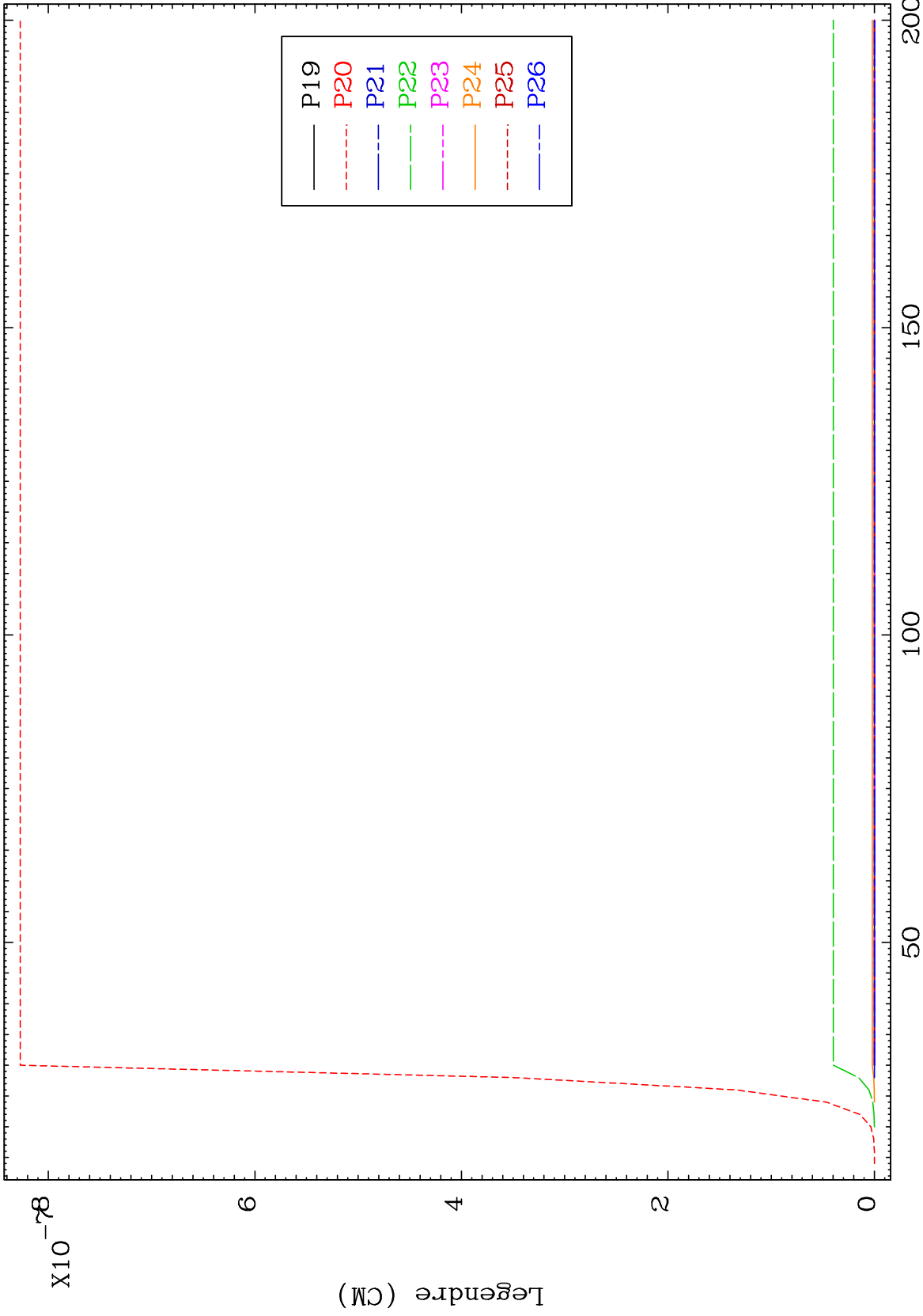
MAT 5019 MT= 69 (n,n') Level Legendre Coefficients 50-Sn-110



90 Incident Energy (MeV) 50-Sn-110

MAT 5019 MT= 69 (n,n') Level Legendre Coefficients

50-Sn-110

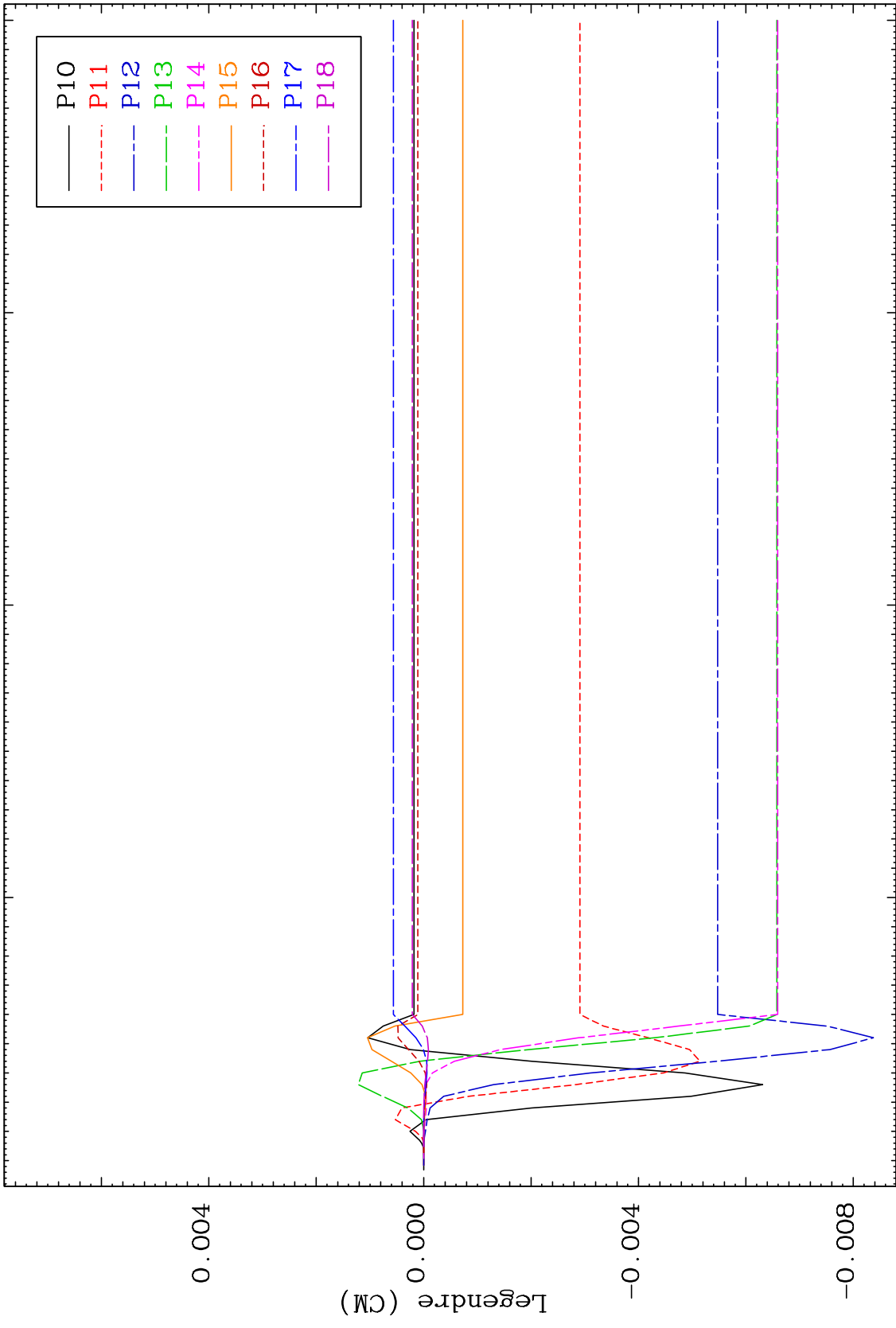


91

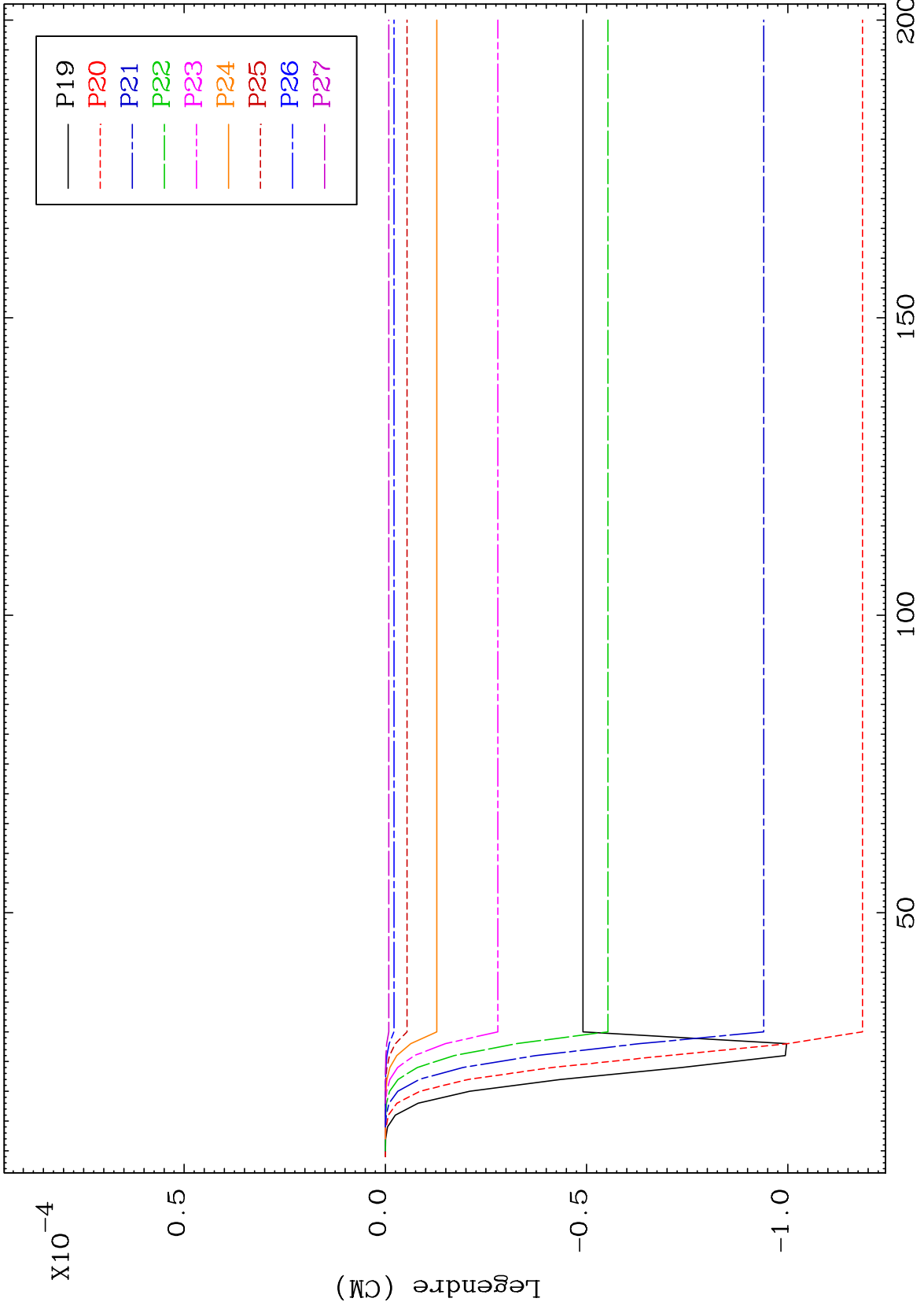
Incident Energy (MeV)

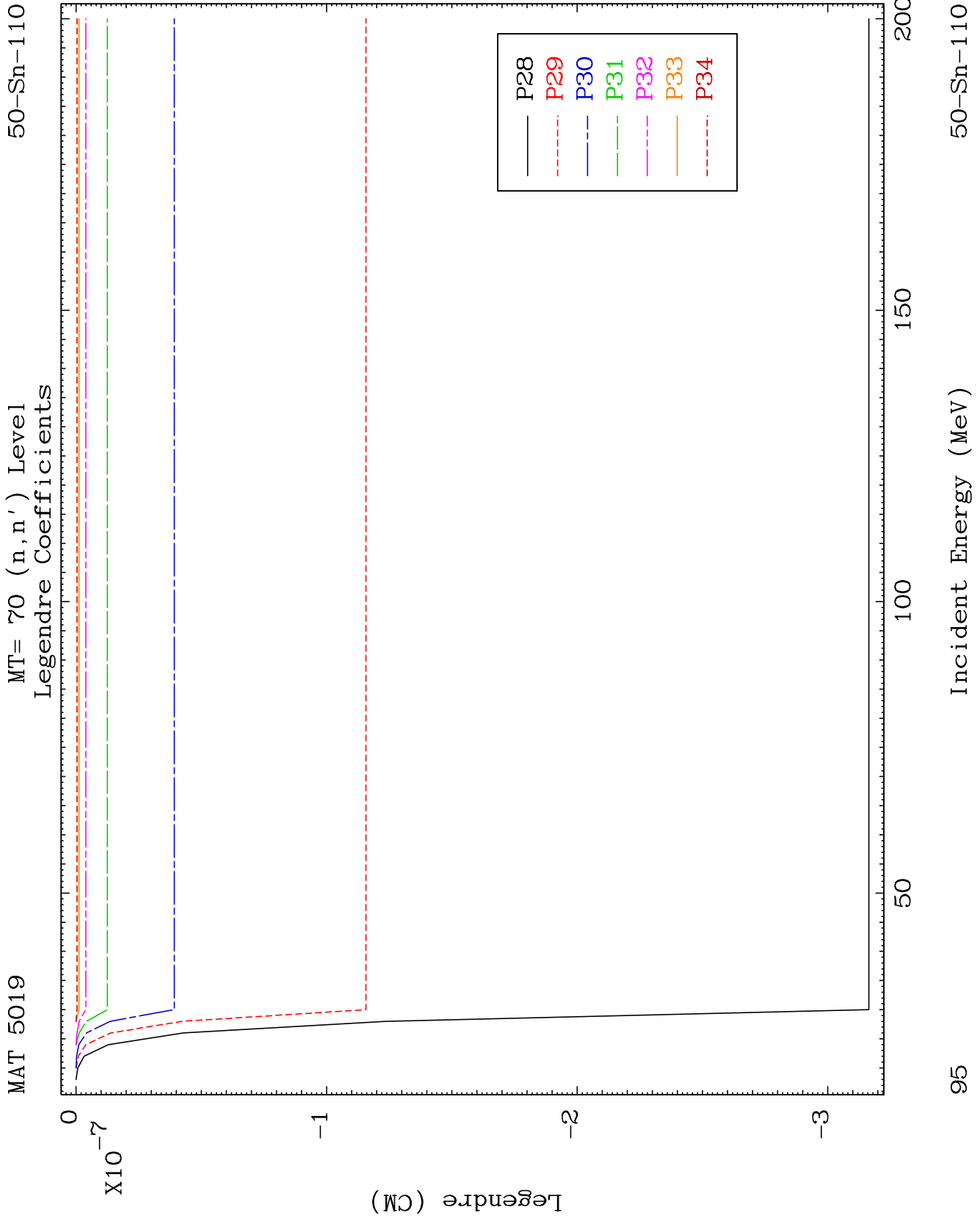
50-Sn-110

MAT 5019 MT= 70 (n,n') Level Legendre Coefficients 50-Sn-110

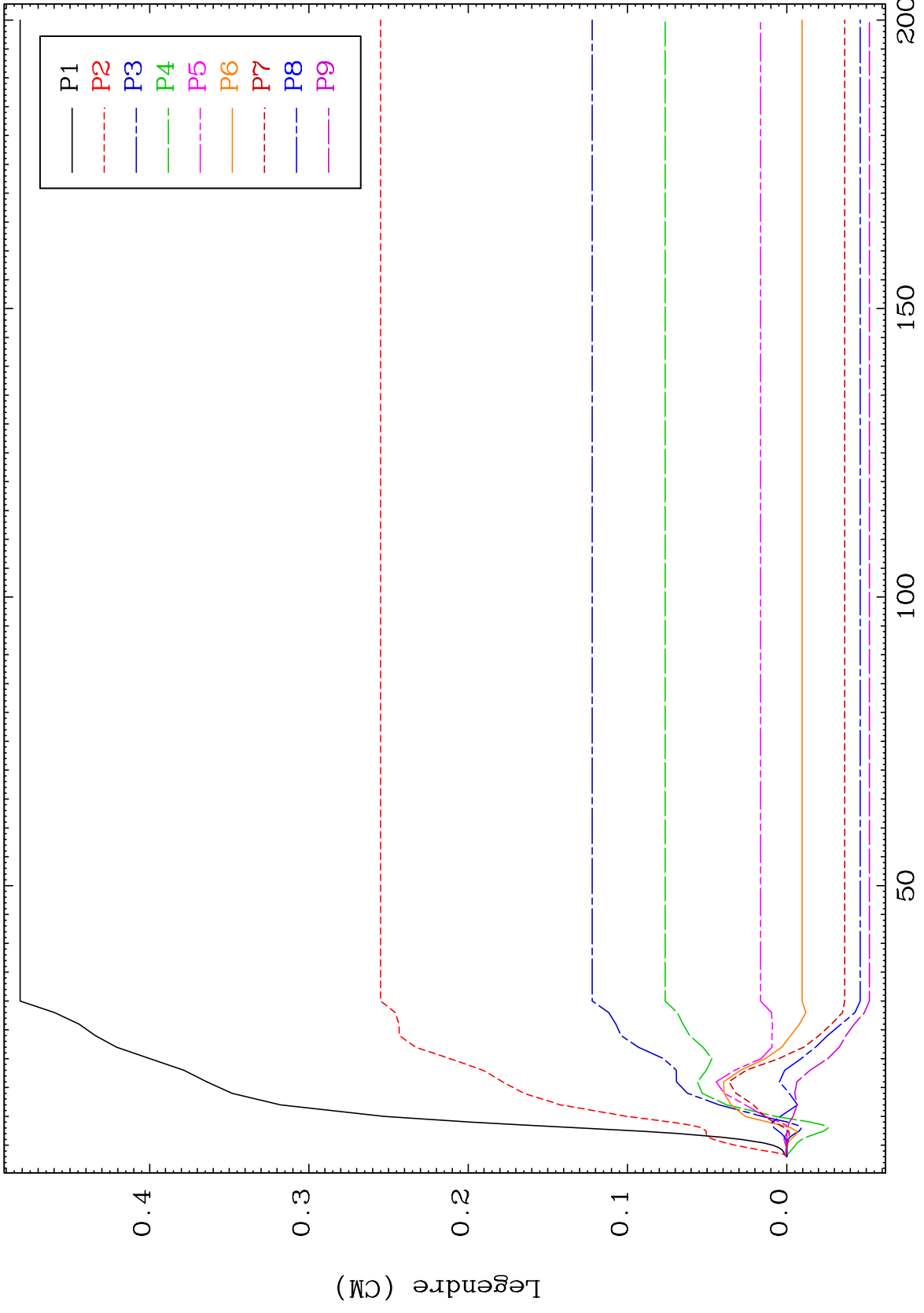


MAT 5019 MT= 70 (n,n') Level Legendre Coefficients 50-Sn-110

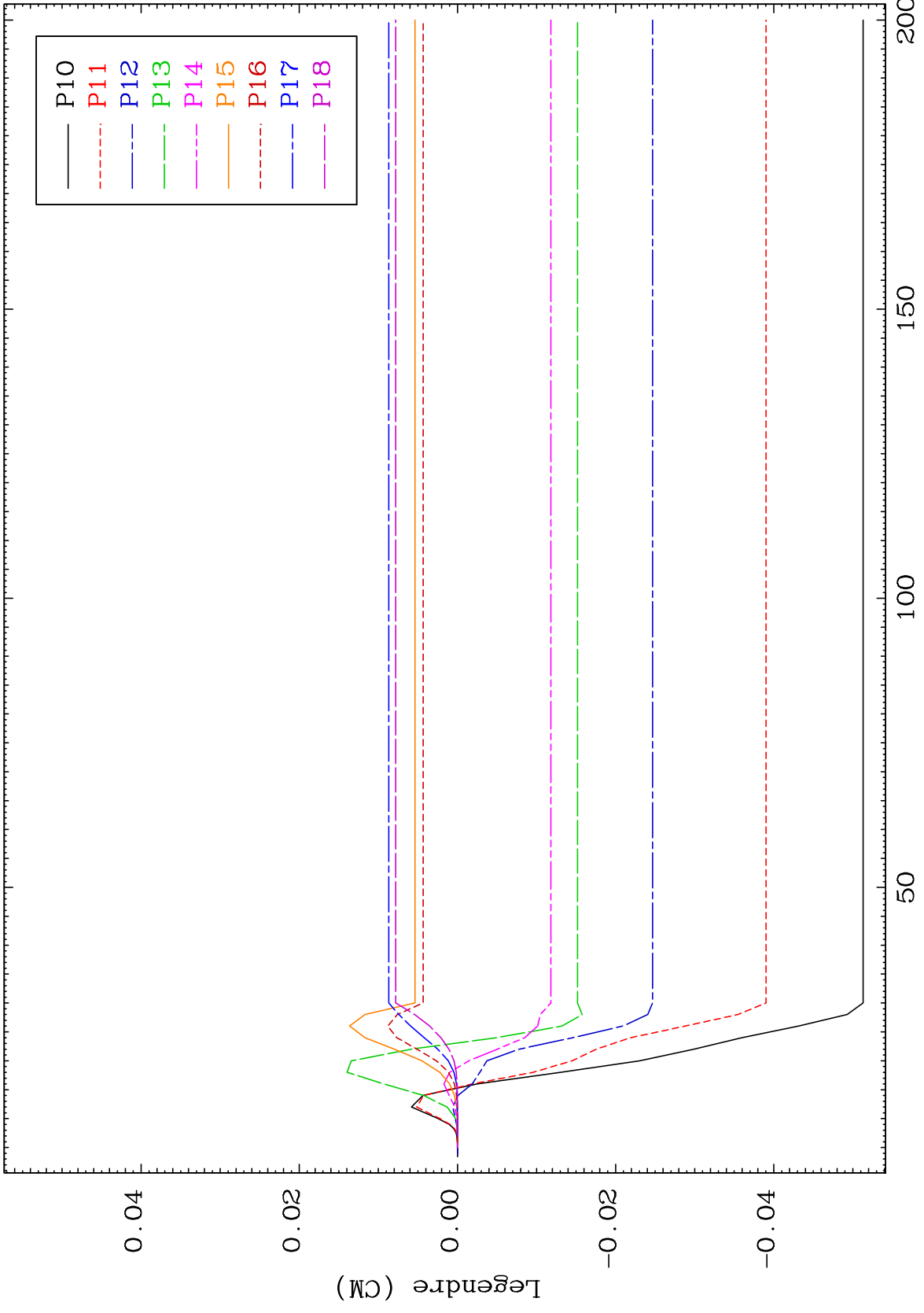




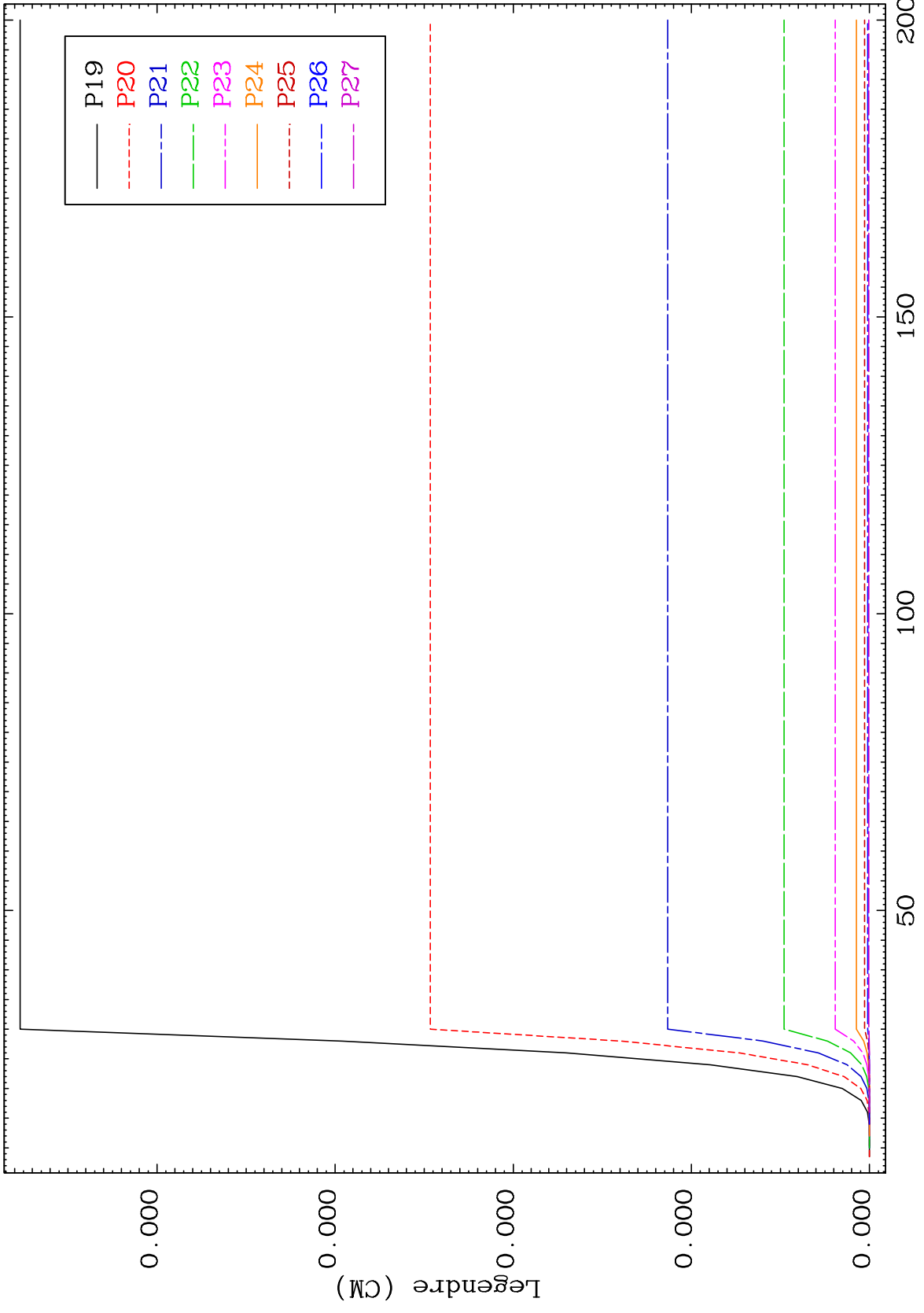
MAT 5019 MT= 71 (n,n') Level Legendre Coefficients 50-Sn-110



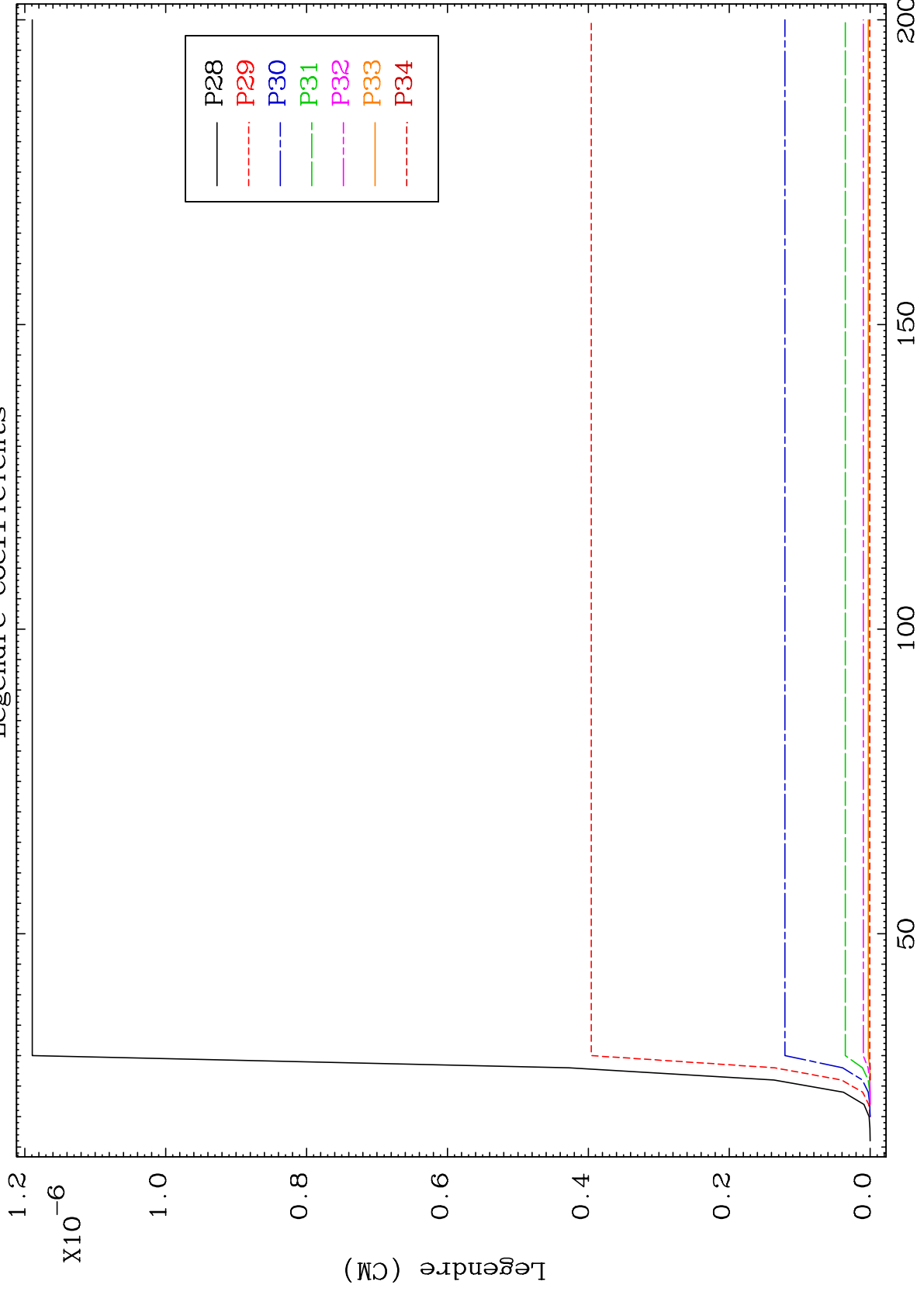
MAT 5019 MT= 71 (n,n') Level Legendre Coefficients 50-Sn-110



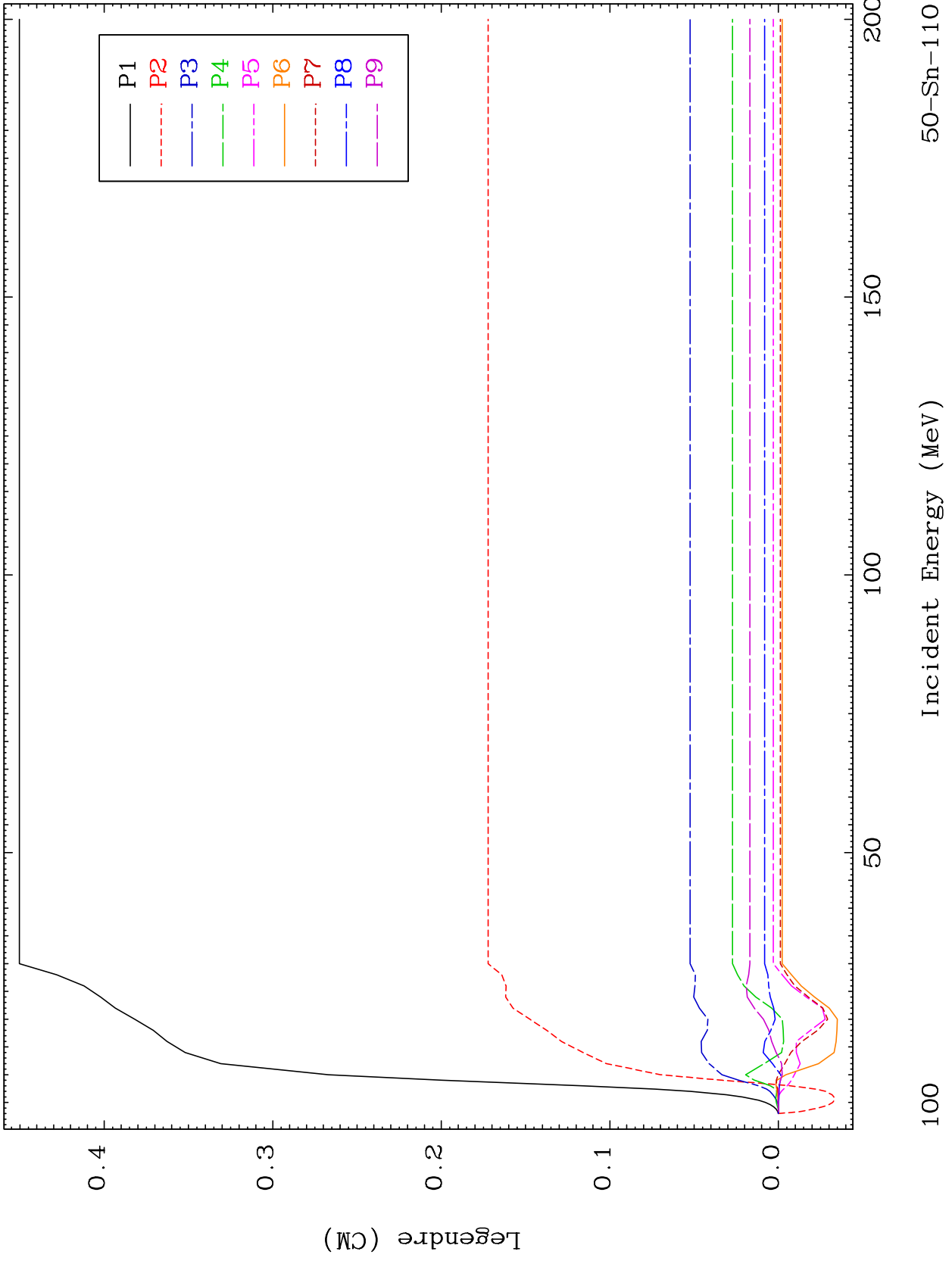
MAT 5019 MT= 71 (n,n') Level Legendre Coefficients 50-Sn-110



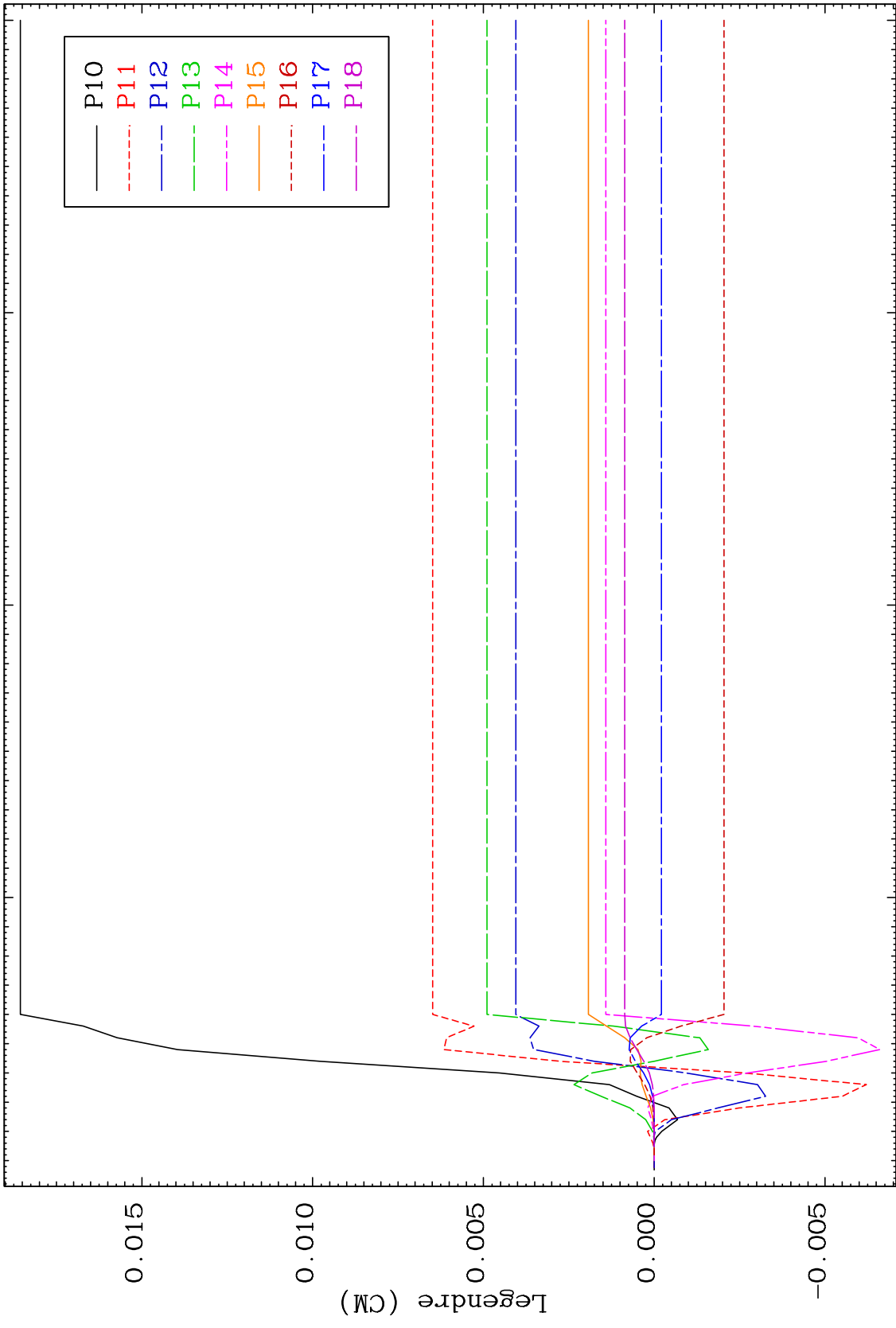
MAT 5019 MT= 71 (n,n') Level Legendre Coefficients 50-Sn-110



MAT 5019 MT= 72 (n,n') Level Legendre Coefficients 50-Sn-110



MAT 5019 MT= 72 (n,n') Level Legendre Coefficients 50-Sn-110

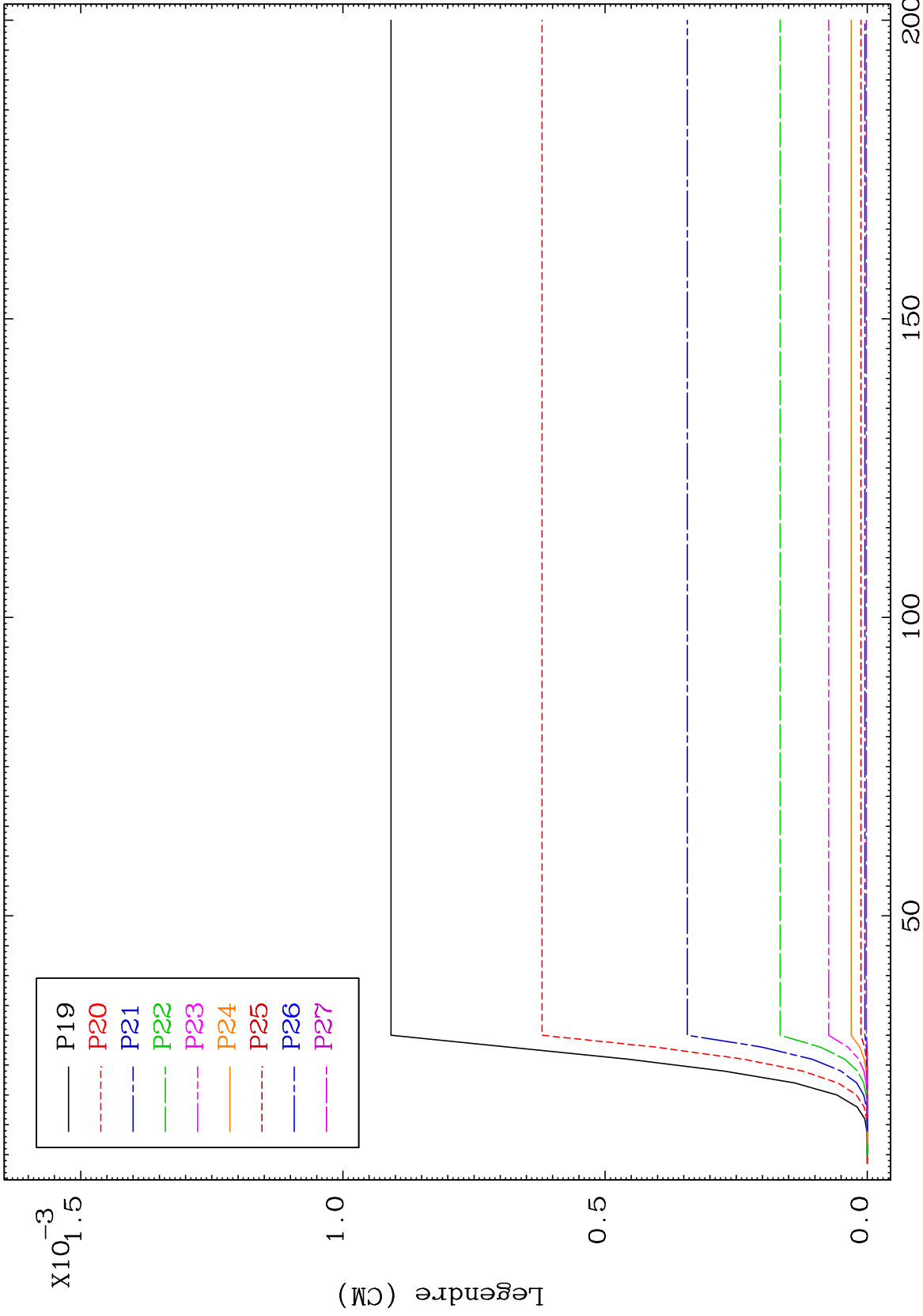


101 50-Sn-110

MAT 5019

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

50-Sn-110



102

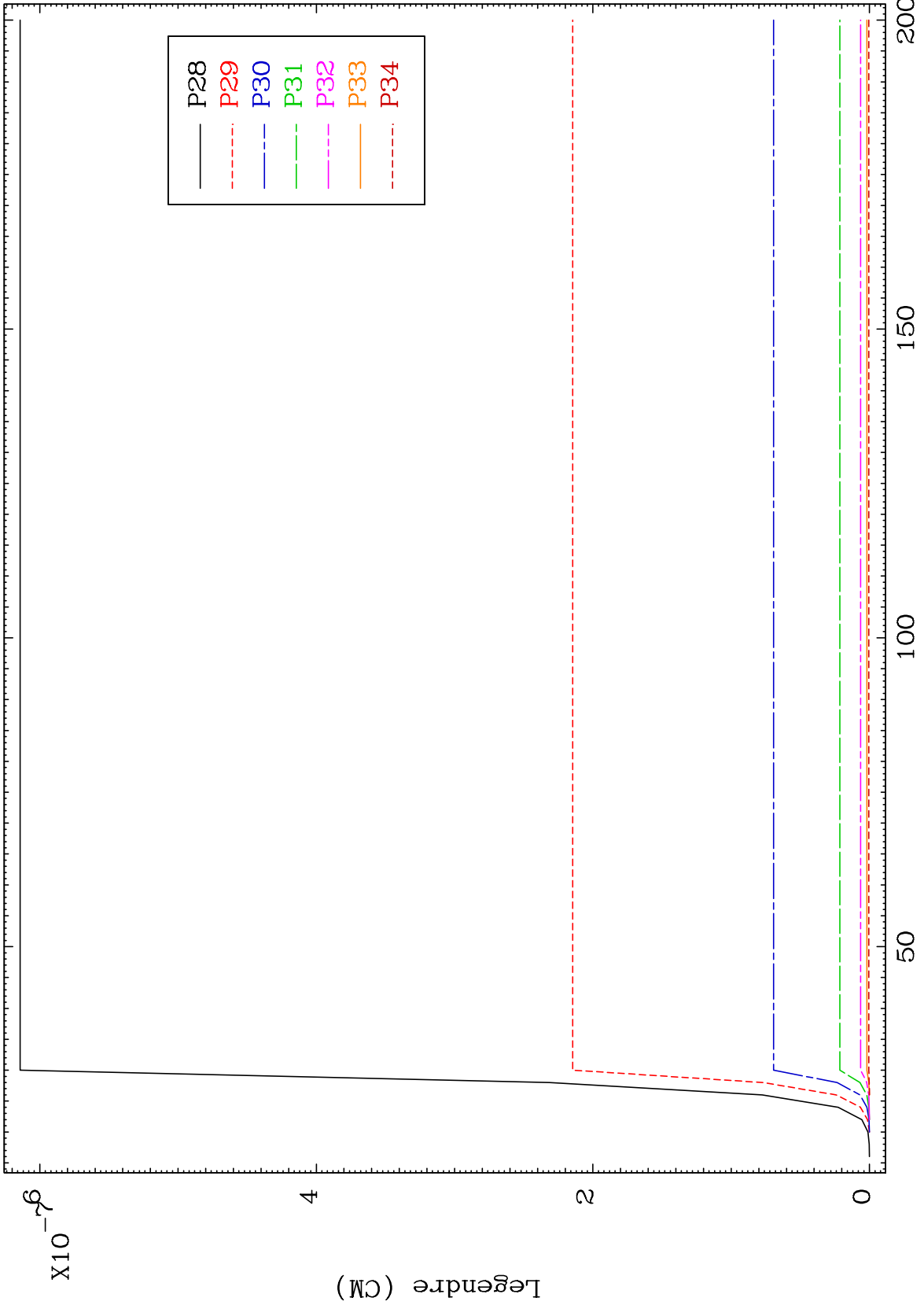
Incident Energy (MeV)

50-Sn-110

MAT 5019

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

50-Sn-110

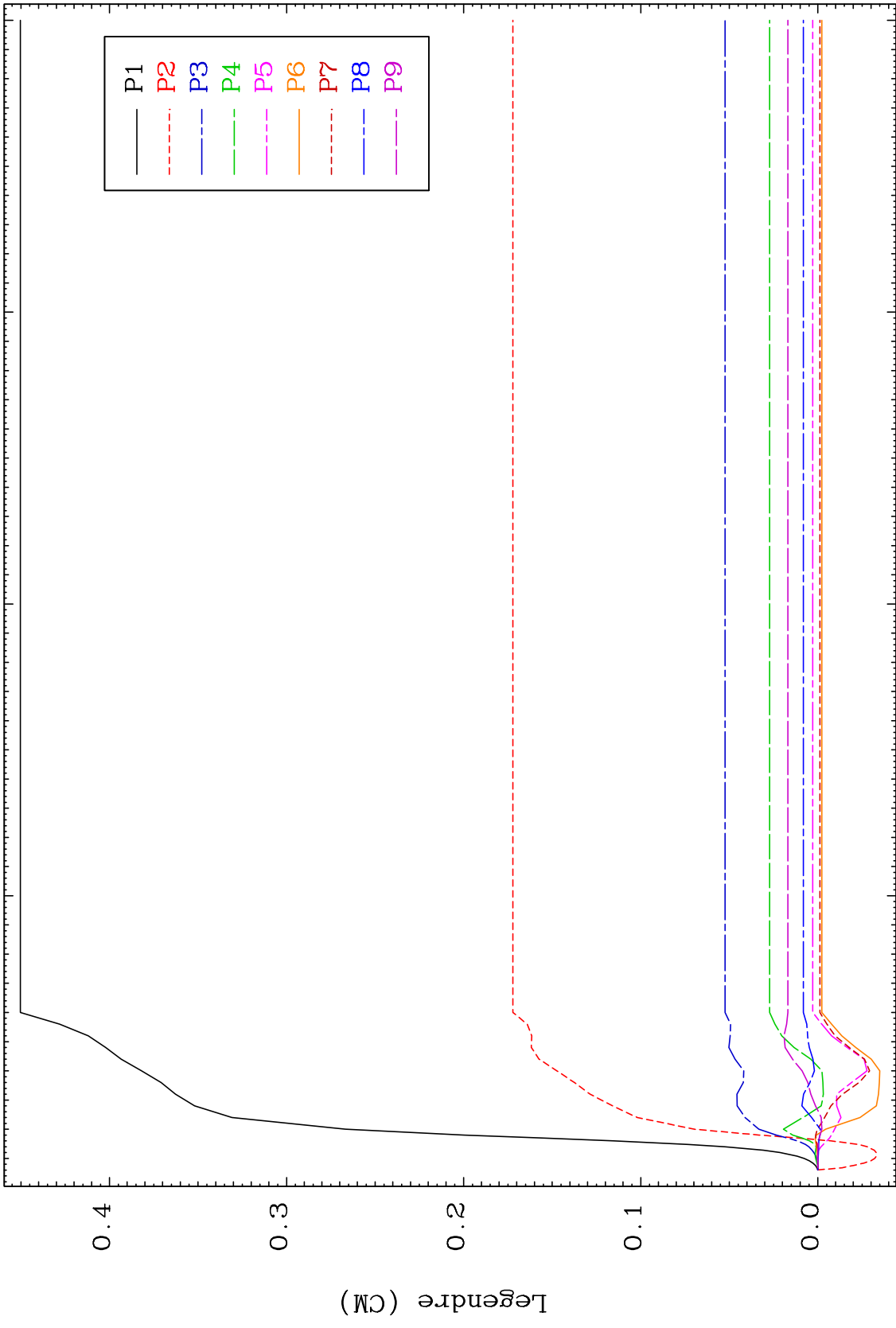


103

Incident Energy (MeV)

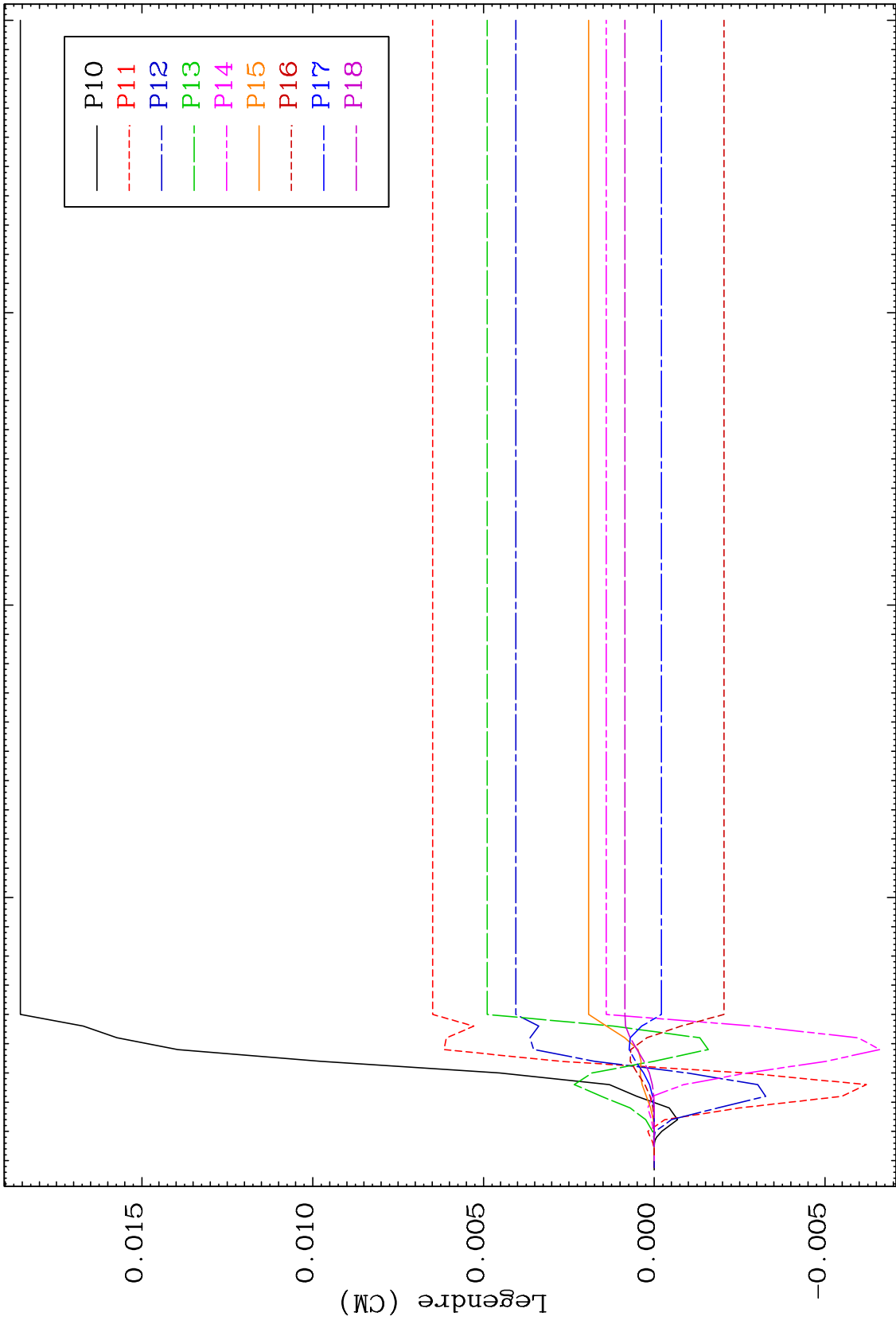
50-Sn-110

MAT 5019 MT= 73 (n,n') Level Legendre Coefficients 50-Sn-110



104 Incident Energy (MeV) 50-Sn-110

MAT 5019 MT= 73 (n,n') Level Legendre Coefficients 50-Sn-110

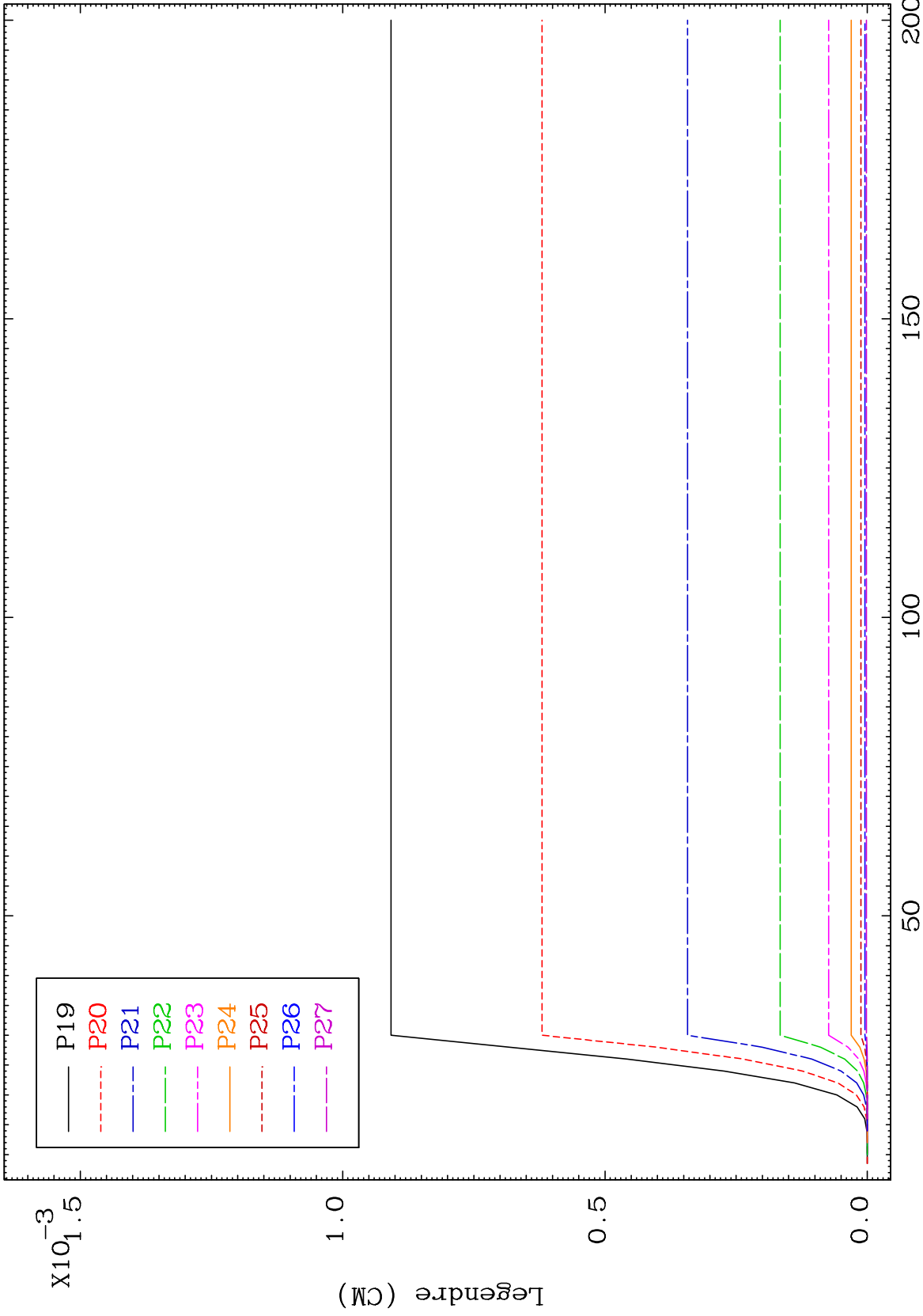


Legendre (CM) Incident Energy (MeV) 50-Sn-110

MAT 5019

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

50-Sn-110



106

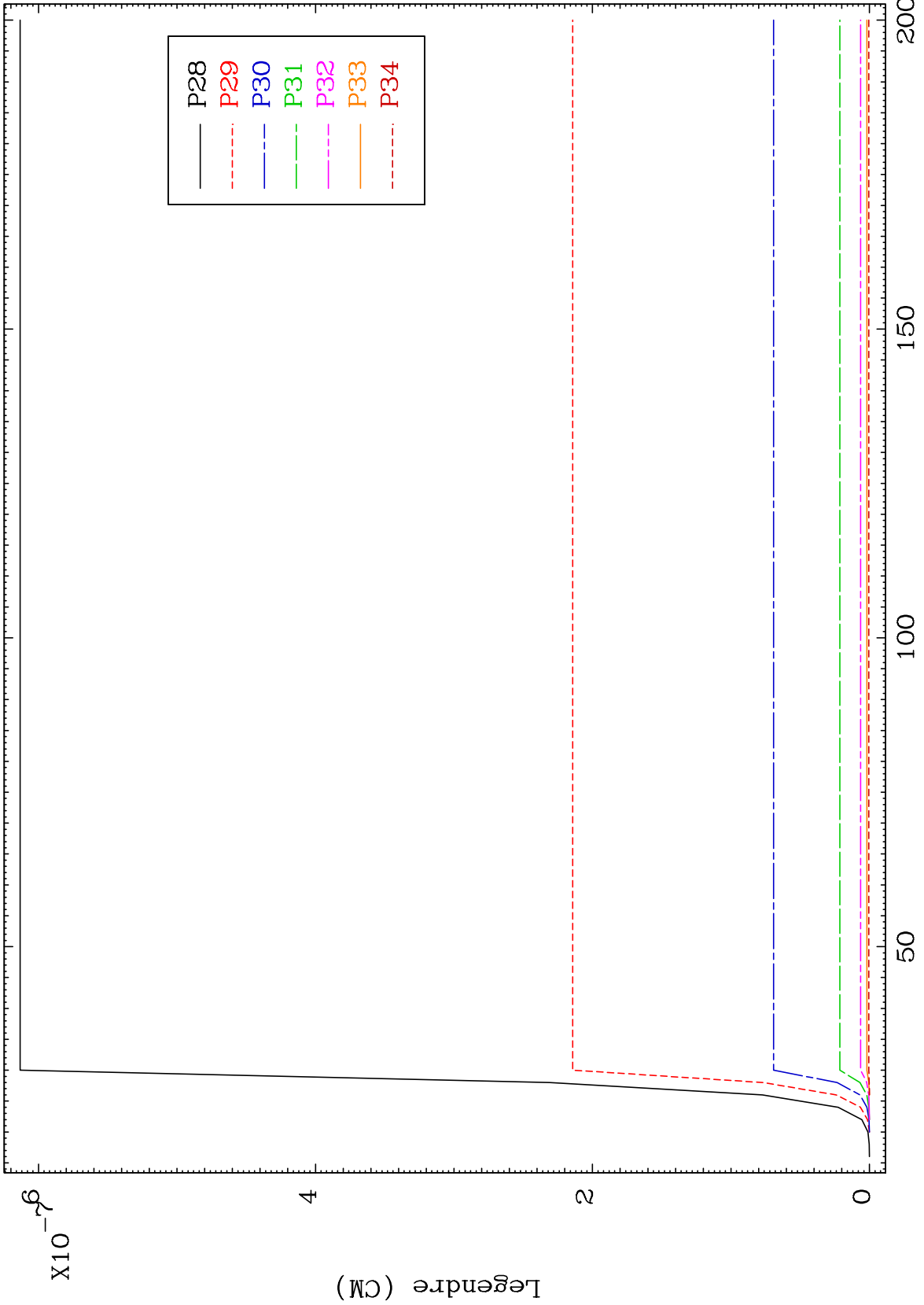
Incident Energy (MeV)

50-Sn-110

MAT 5019

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

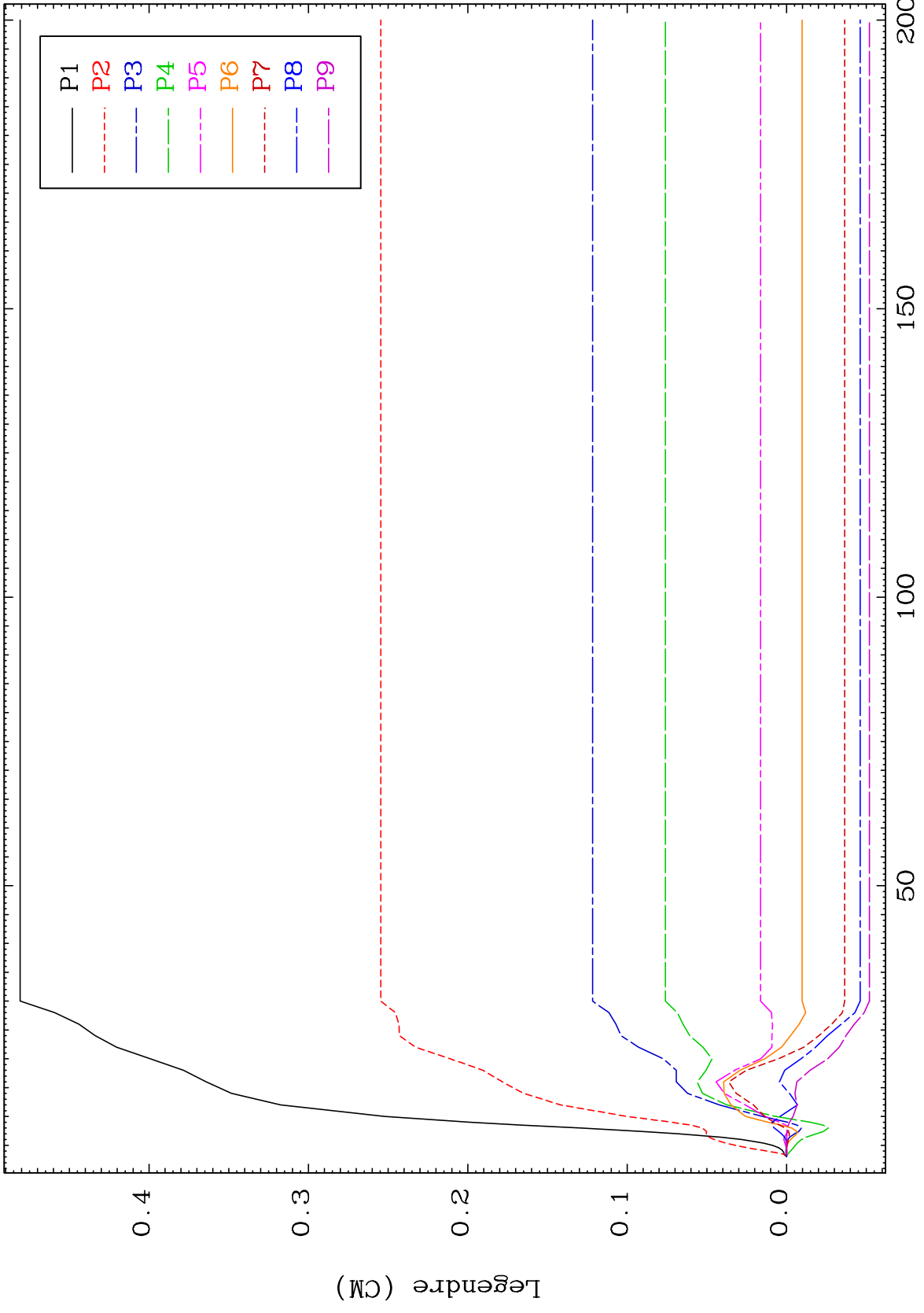
50-Sn-110



107

50-Sn-110

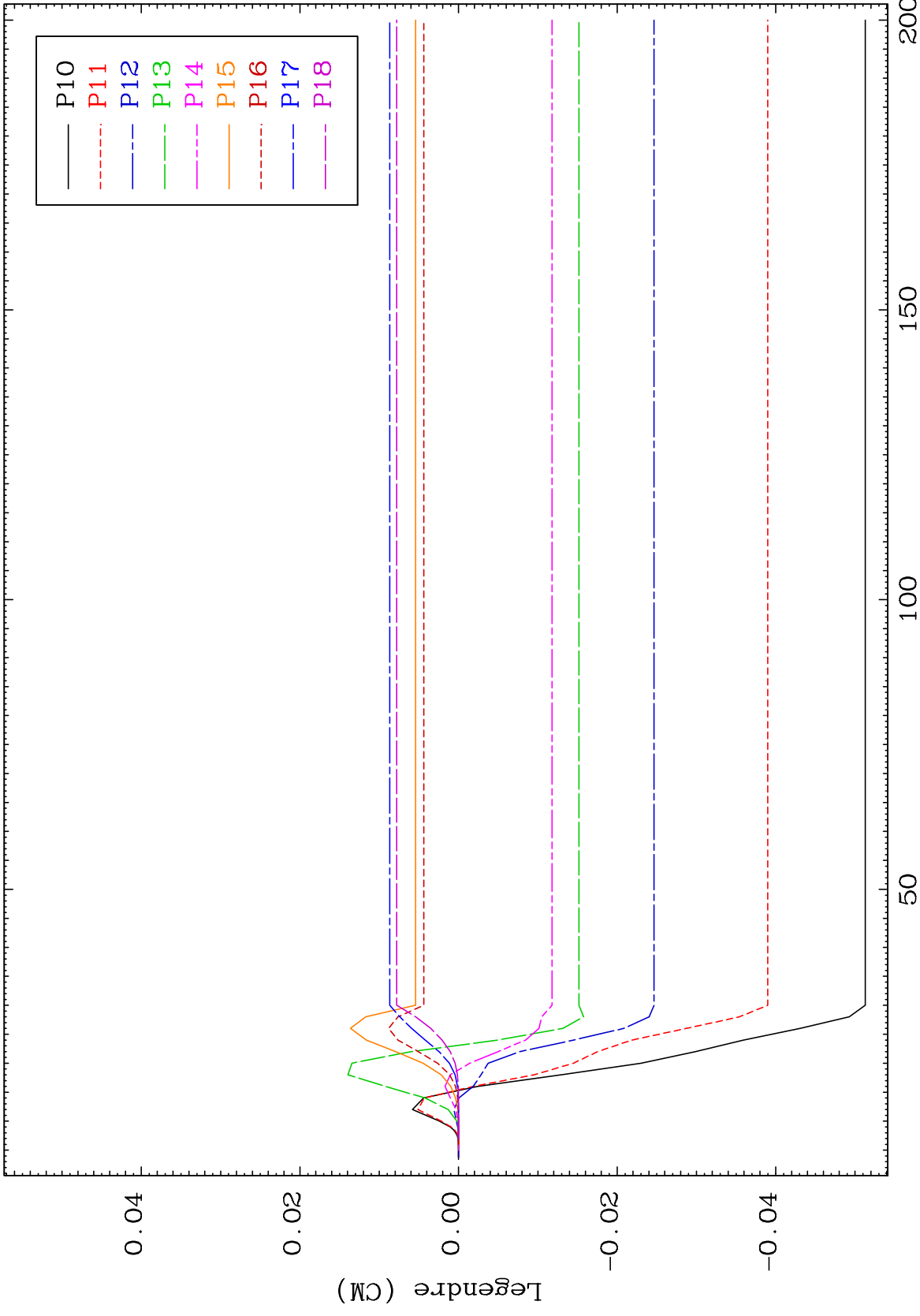
MAT 5019 MT= 74 (n,n') Level Legendre Coefficients 50-Sn-110



MAT 5019

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

50-Sn-110

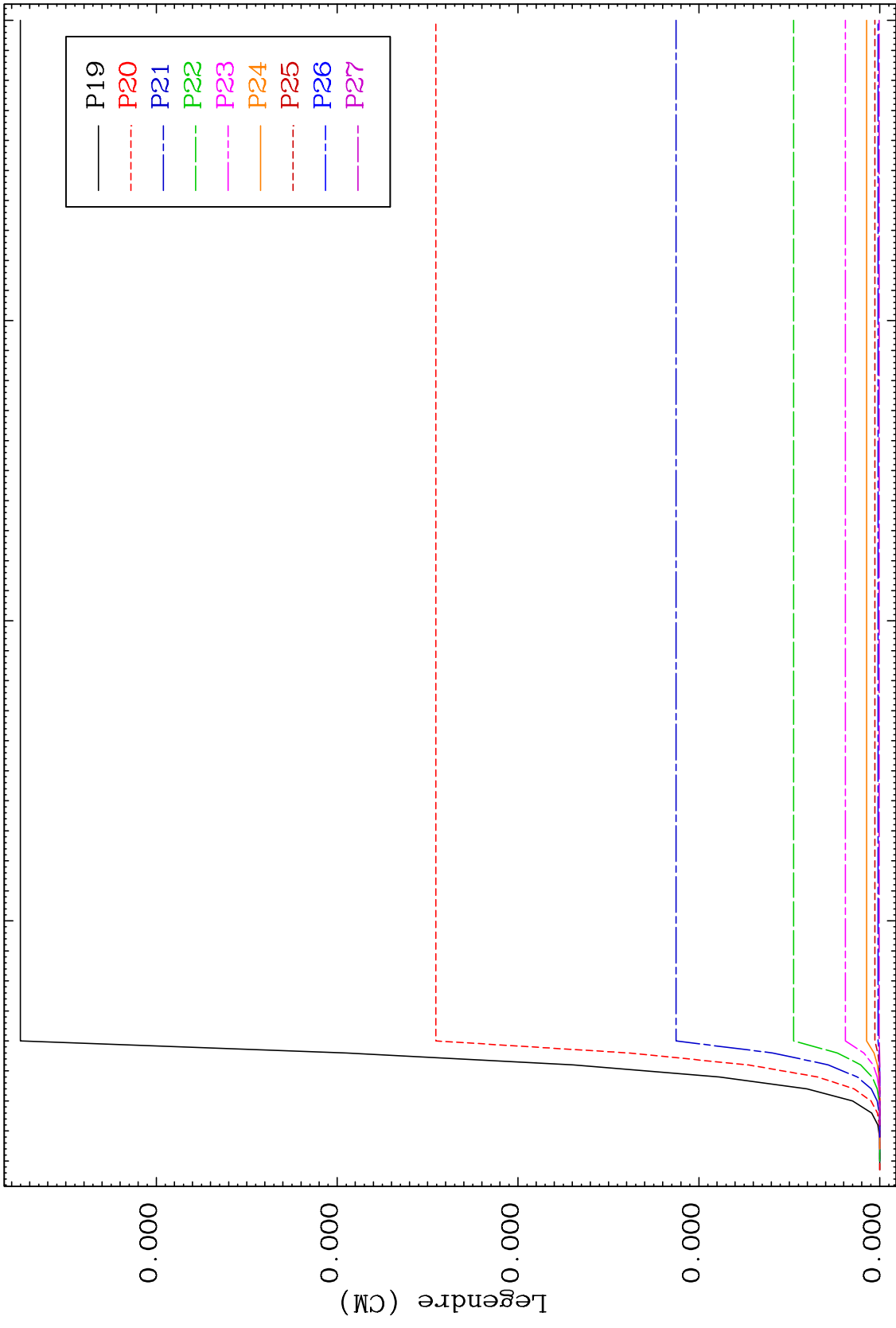


109

Incident Energy (MeV)

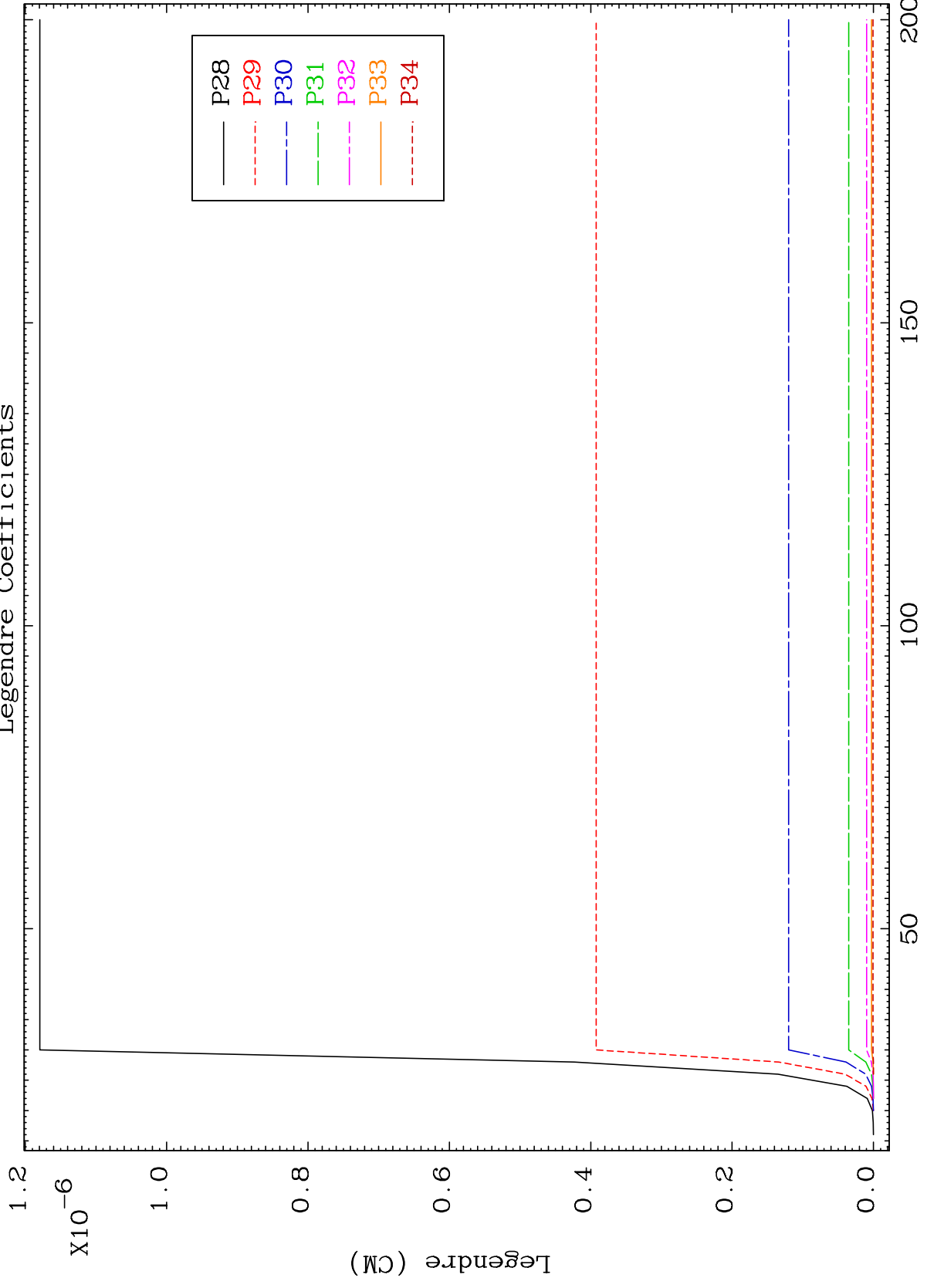
50-Sn-110

MAT 5019 MT= 74 (n,n') Level Legendre Coefficients 50-Sn-110

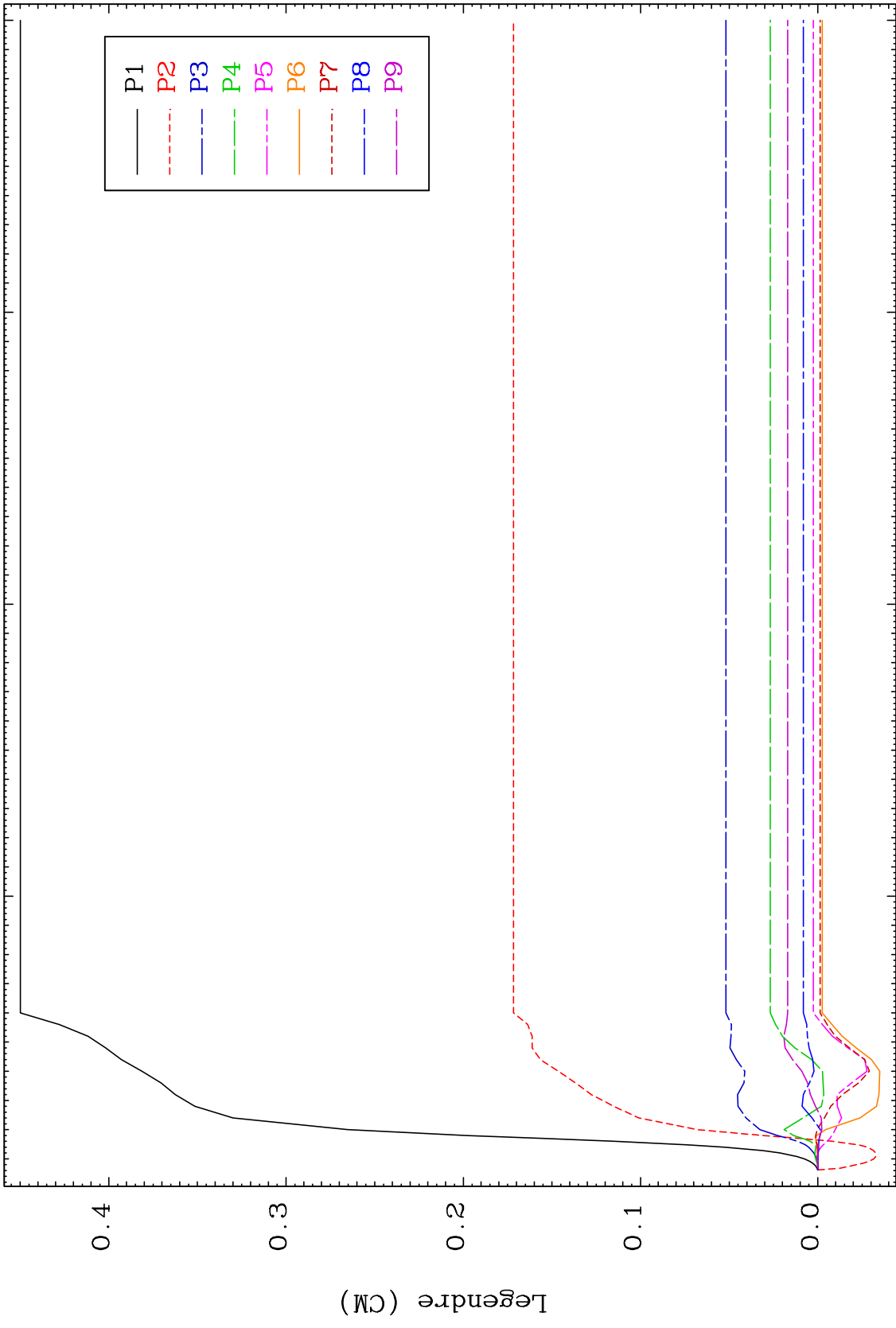


Incident Energy (MeV) 110 50 100 150 200 50-Sn-110

MAT 5019 MT= 74 (n,n') Level Legendre Coefficients 50-Sn-110

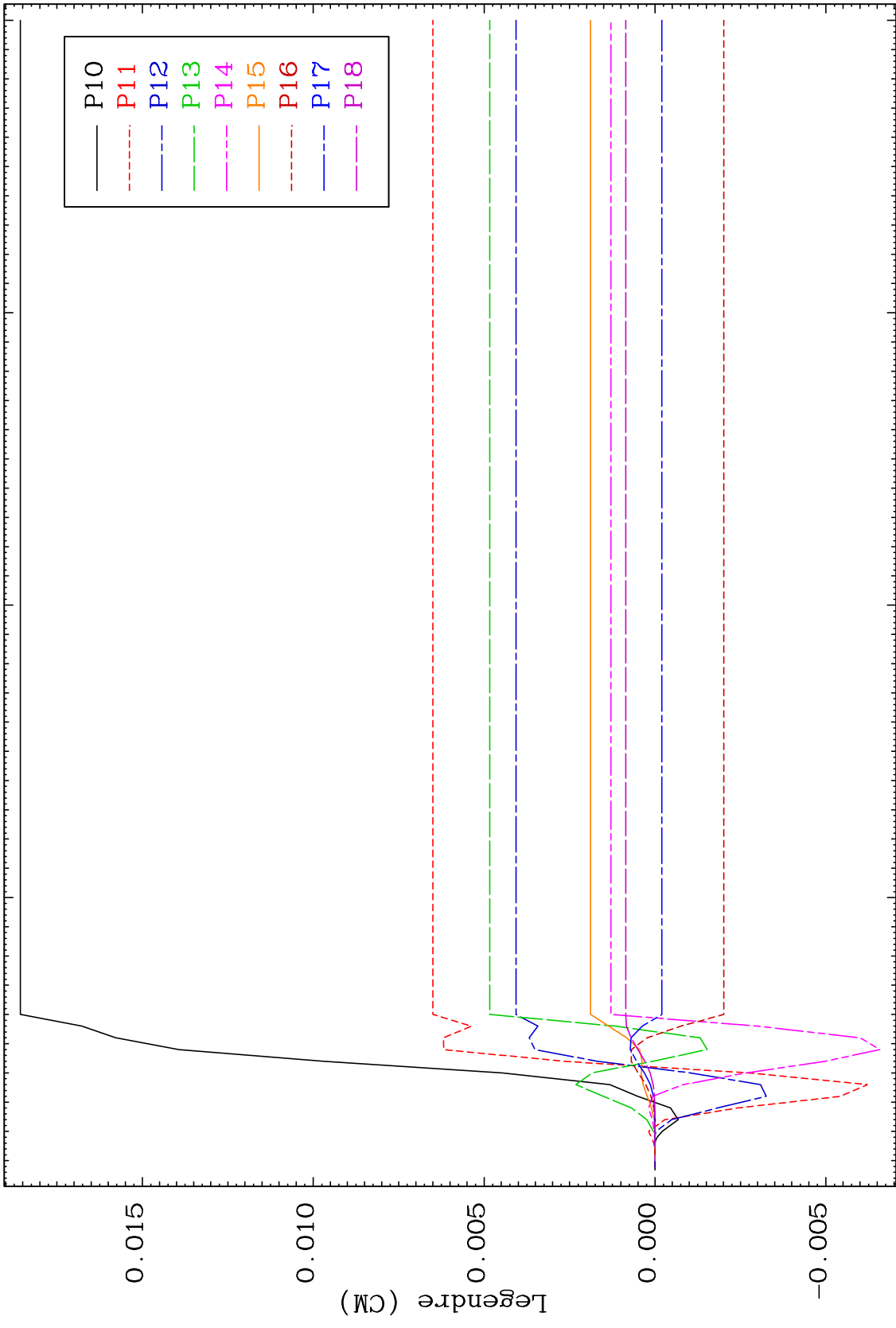


MAT 5019 MT= 75 (n,n') Level Legendre Coefficients 50-Sn-110



112 Incident Energy (MeV) 50-Sn-110

MAT 5019 MT= 75 (n,n') Level Legendre Coefficients 50-Sn-110

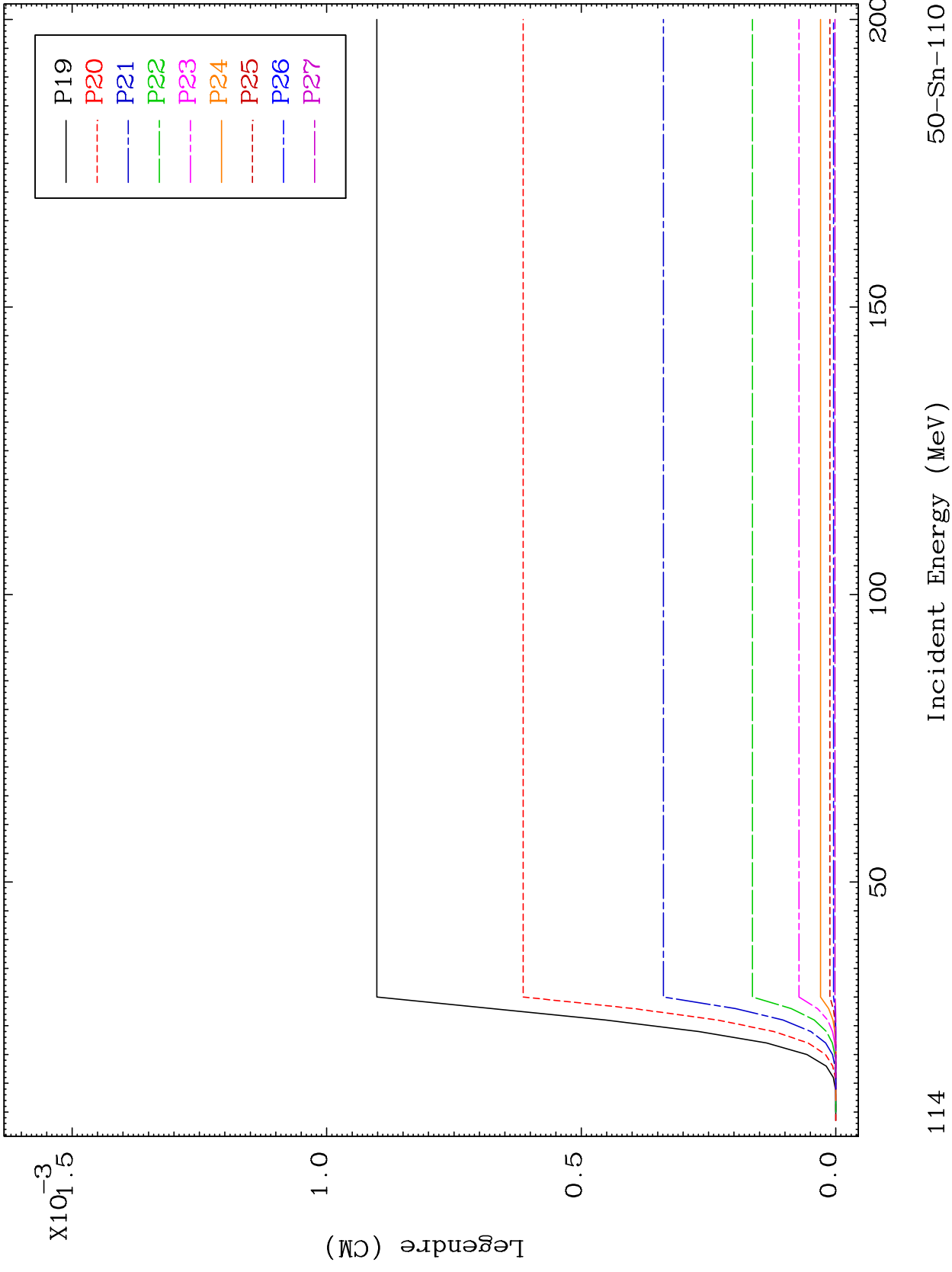


113 Incident Energy (MeV) 50-Sn-110

MAT 5019

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

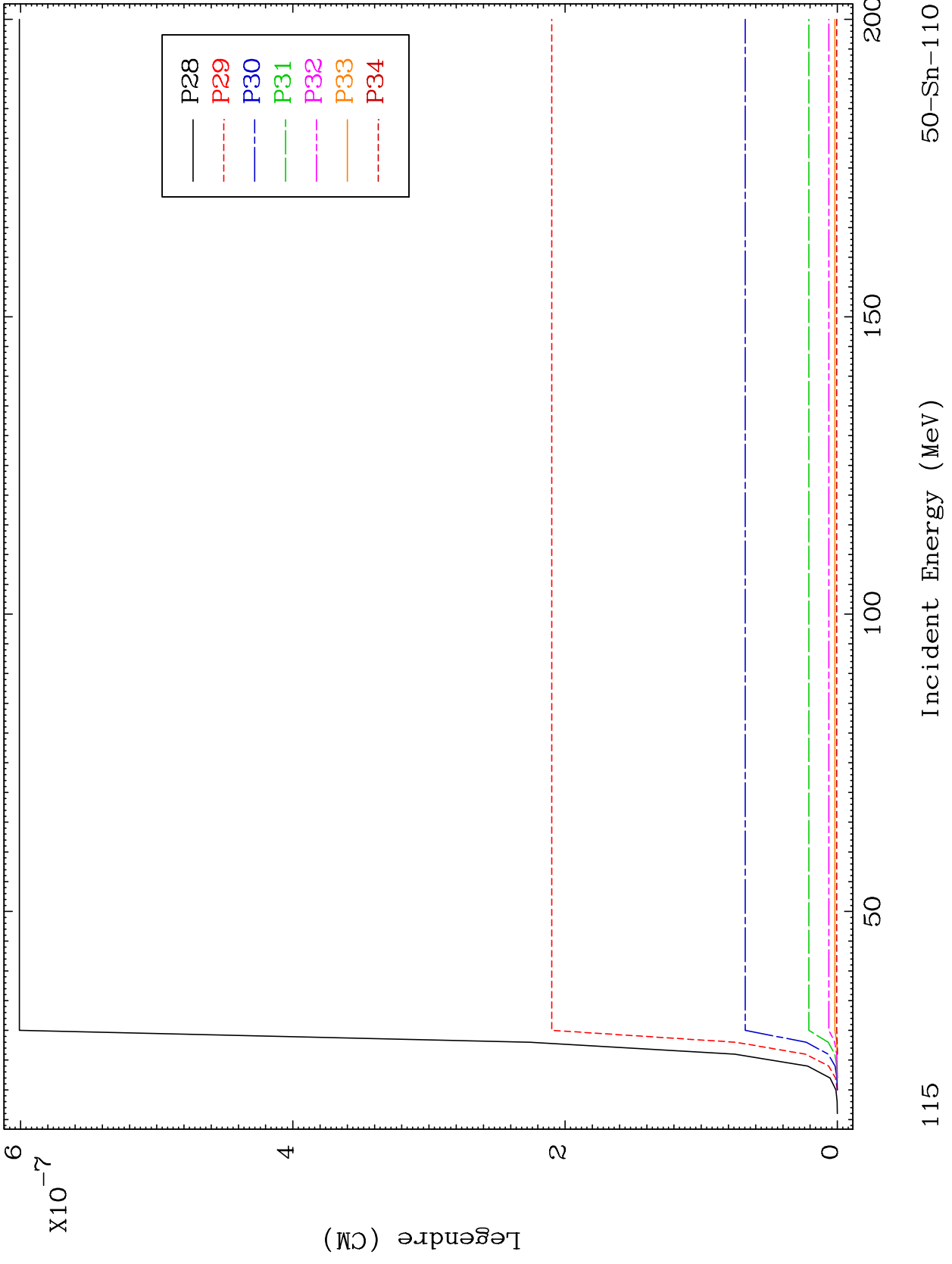
50-Sn-110



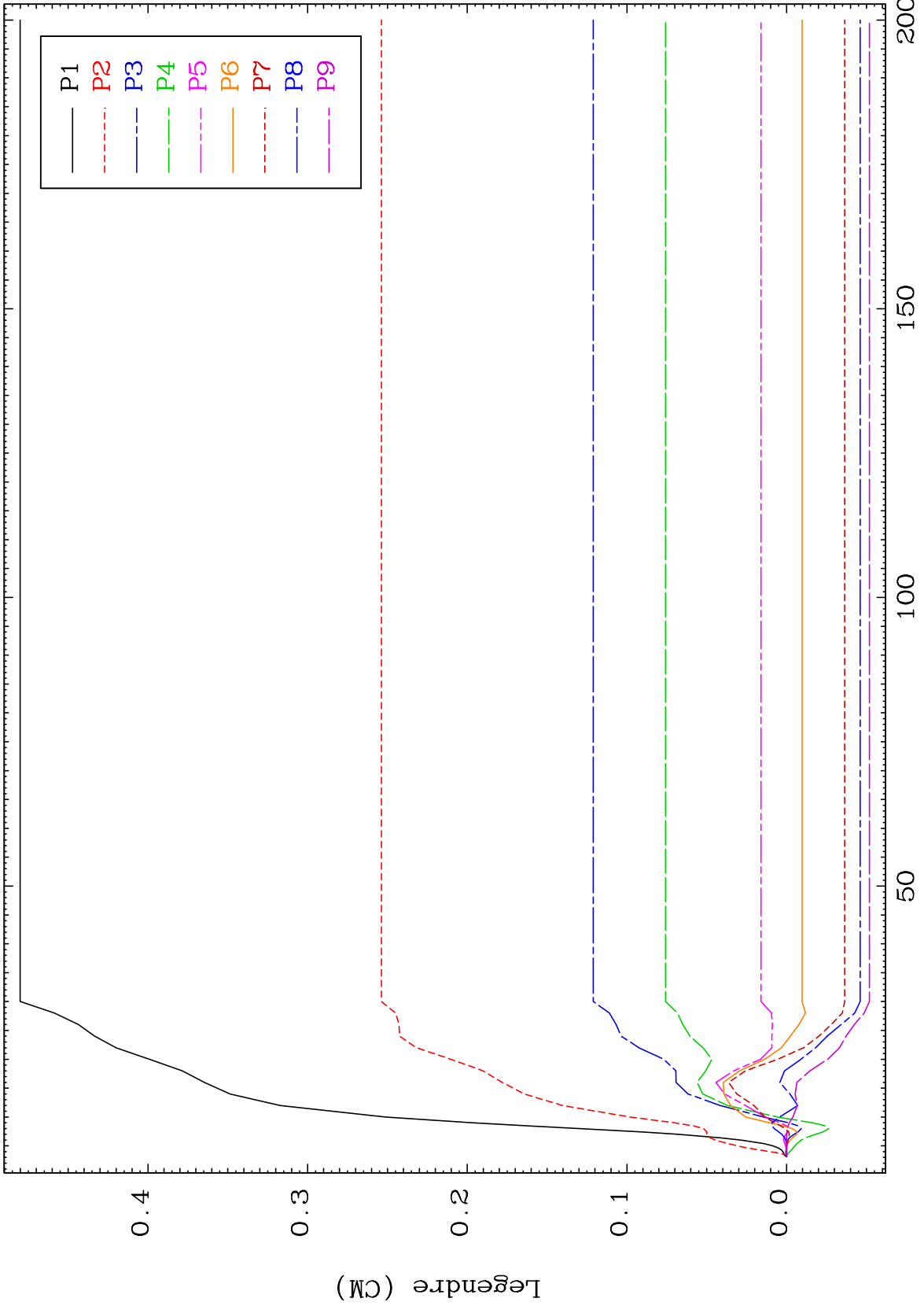
114

50-Sn-110

MAT 5019 MT= 75 (n,n') Level Legendre Coefficients 50-Sn-110



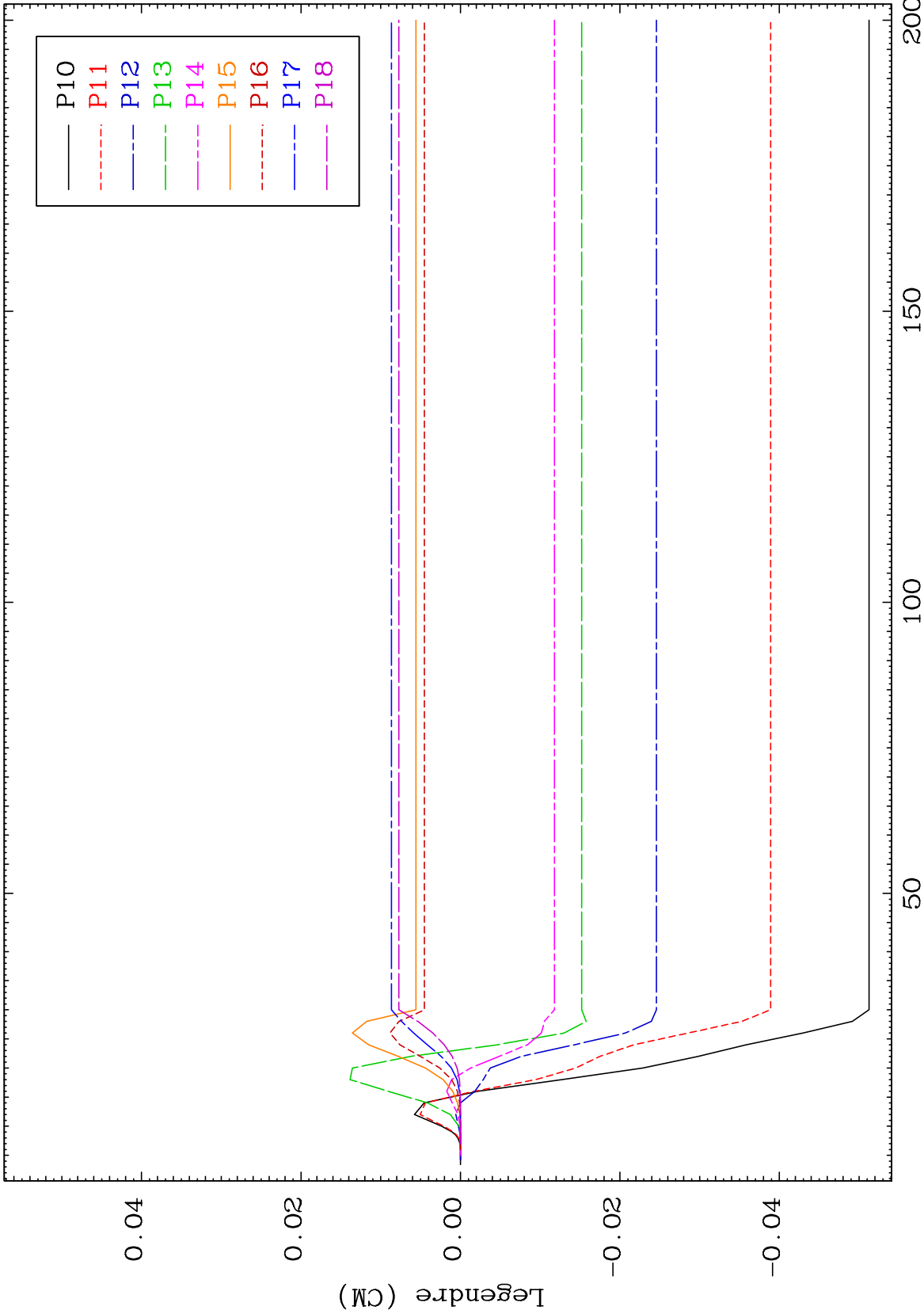
MAT 5019 MT= 76 (n,n') Level Legendre Coefficients 50-Sn-110



MAT 5019

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

50-Sn-110

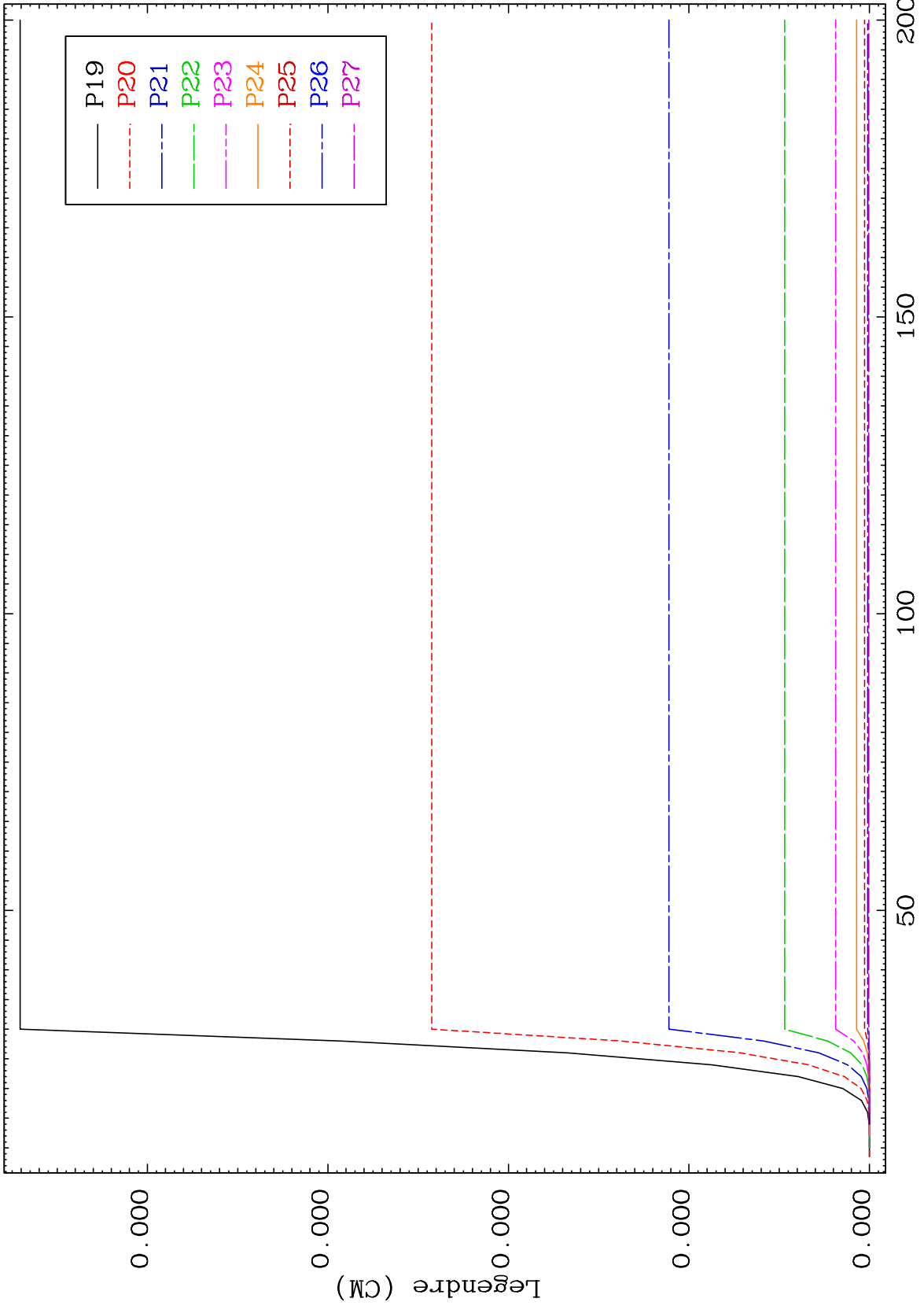


117

Incident Energy (MeV)

50-Sn-110

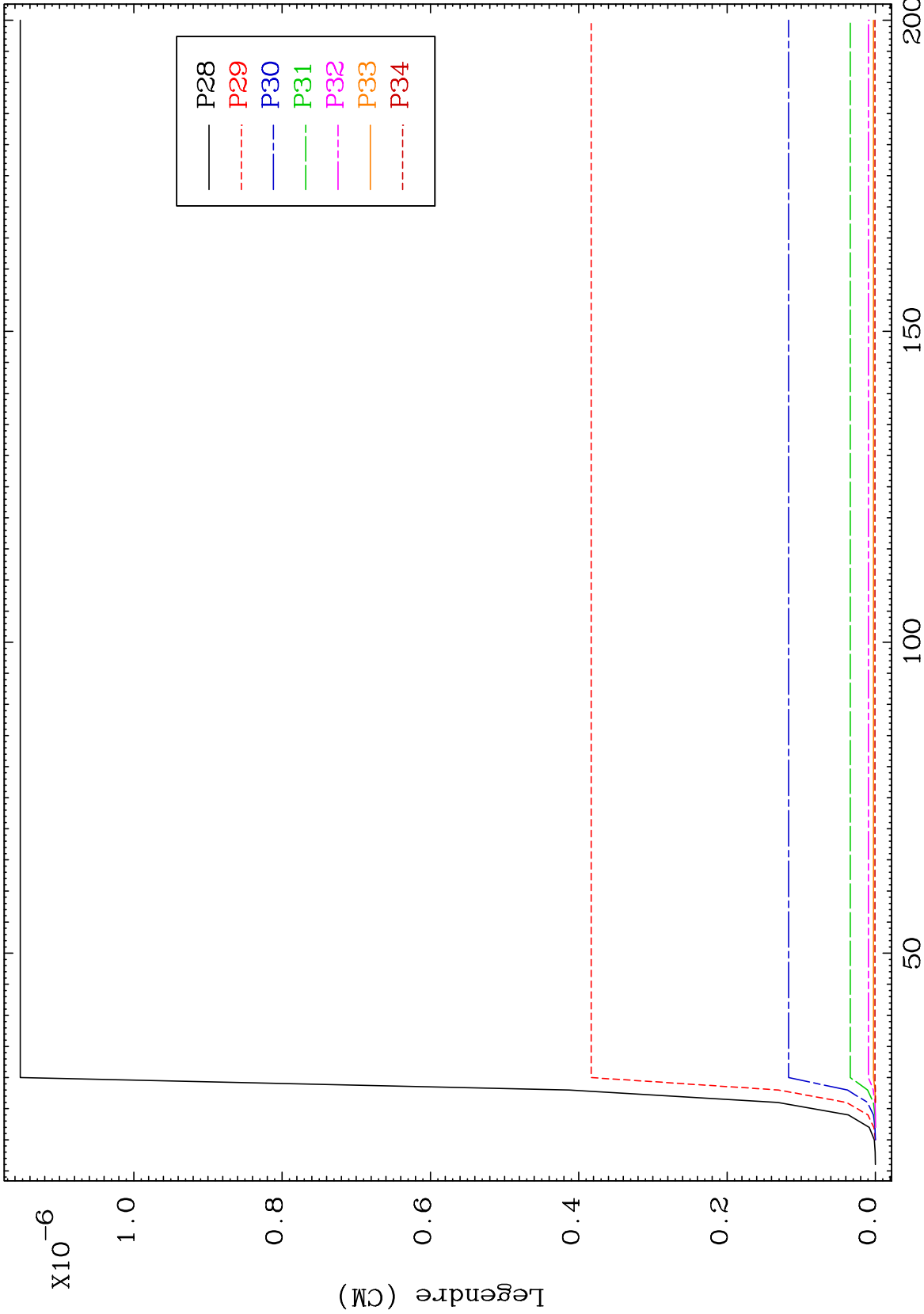
MAT 5019 MT= 76 (n,n') Level Legendre Coefficients 50-Sn-110



MAT 5019

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

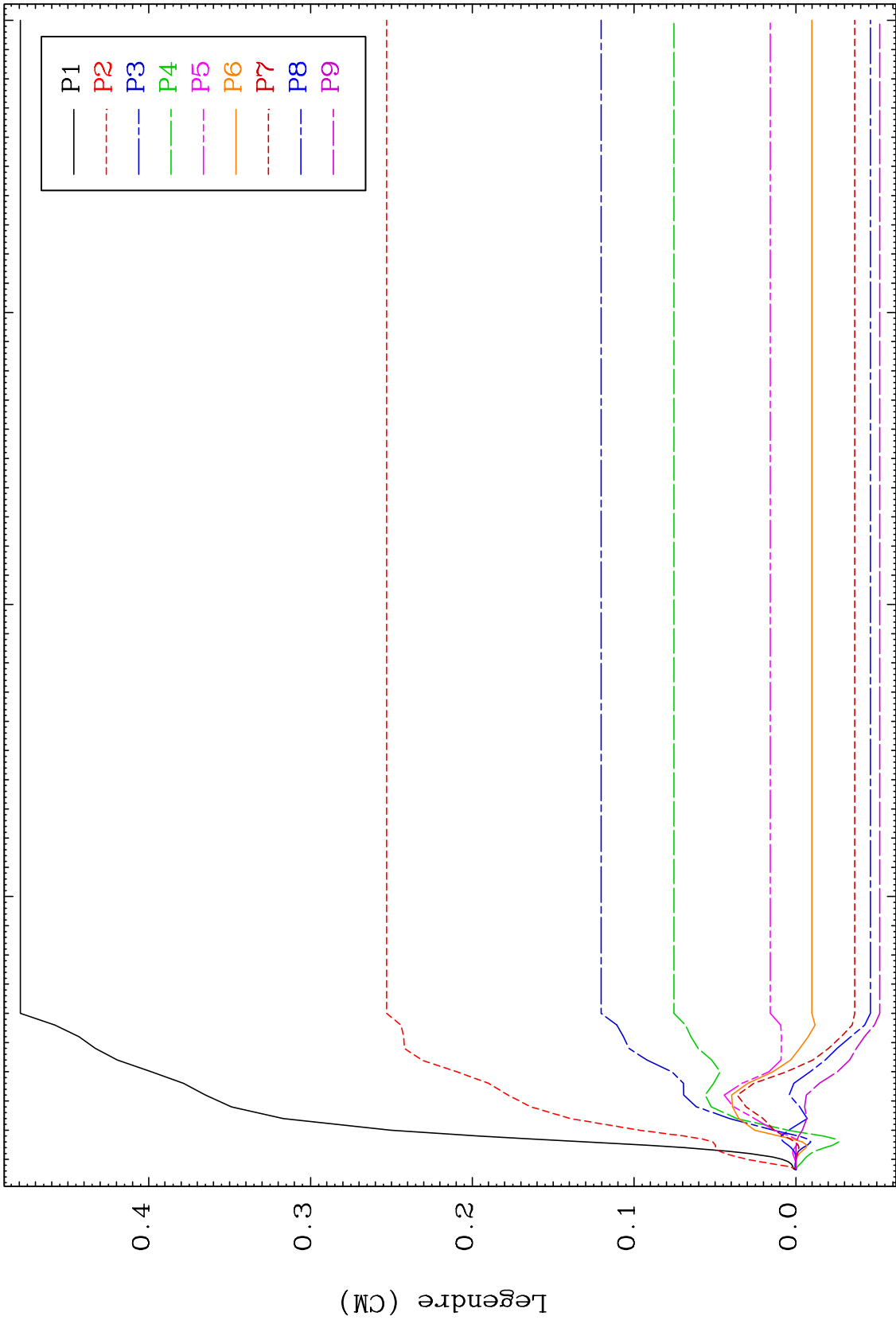
50-Sn-110



119

50-Sn-110

MAT 5019 MT= 77 (n,n') Level Legendre Coefficients 50-Sn-110

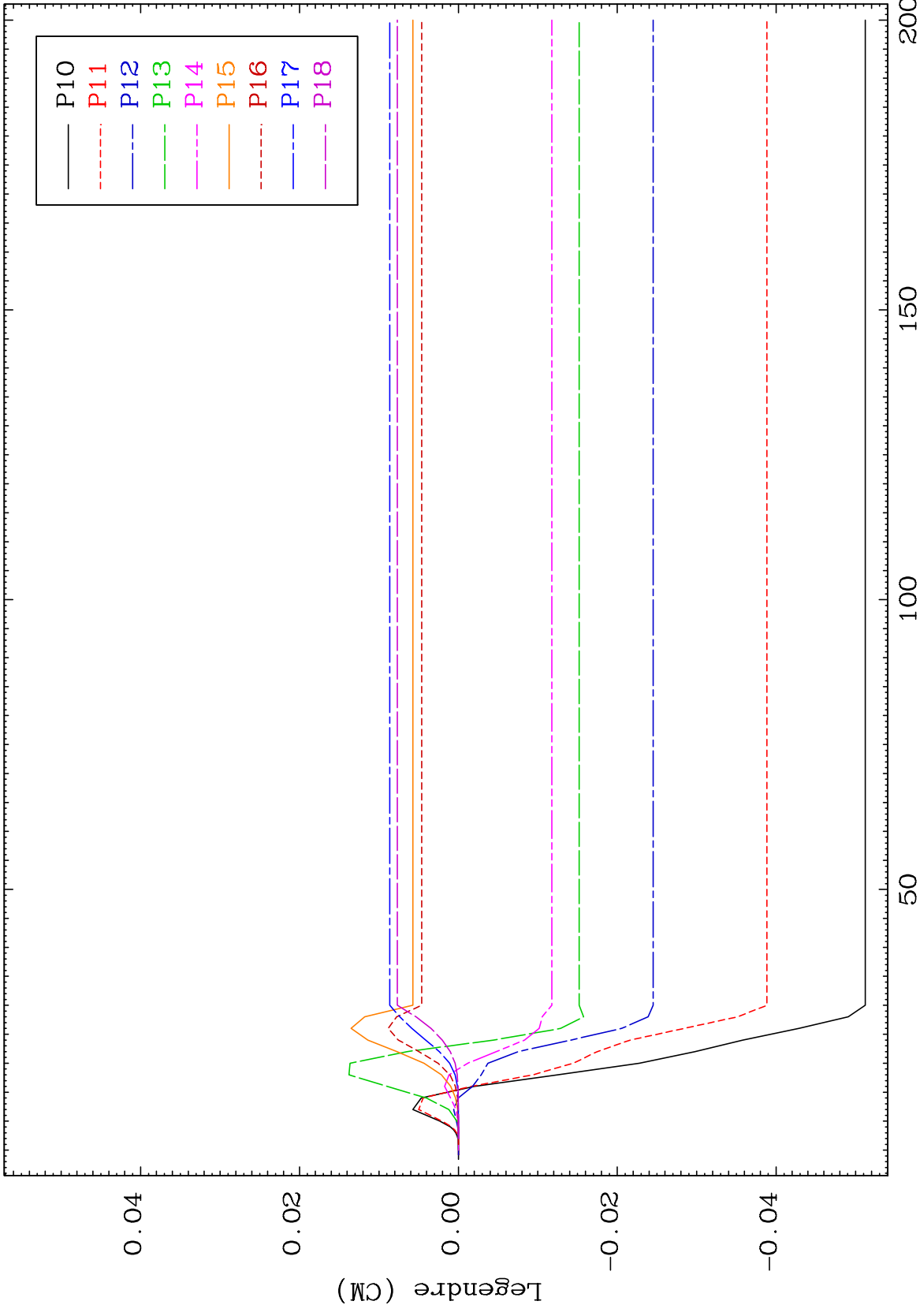


Legendre (CM) Incident Energy (MeV) 50-Sn-110

MAT 5019

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

50-Sn-110

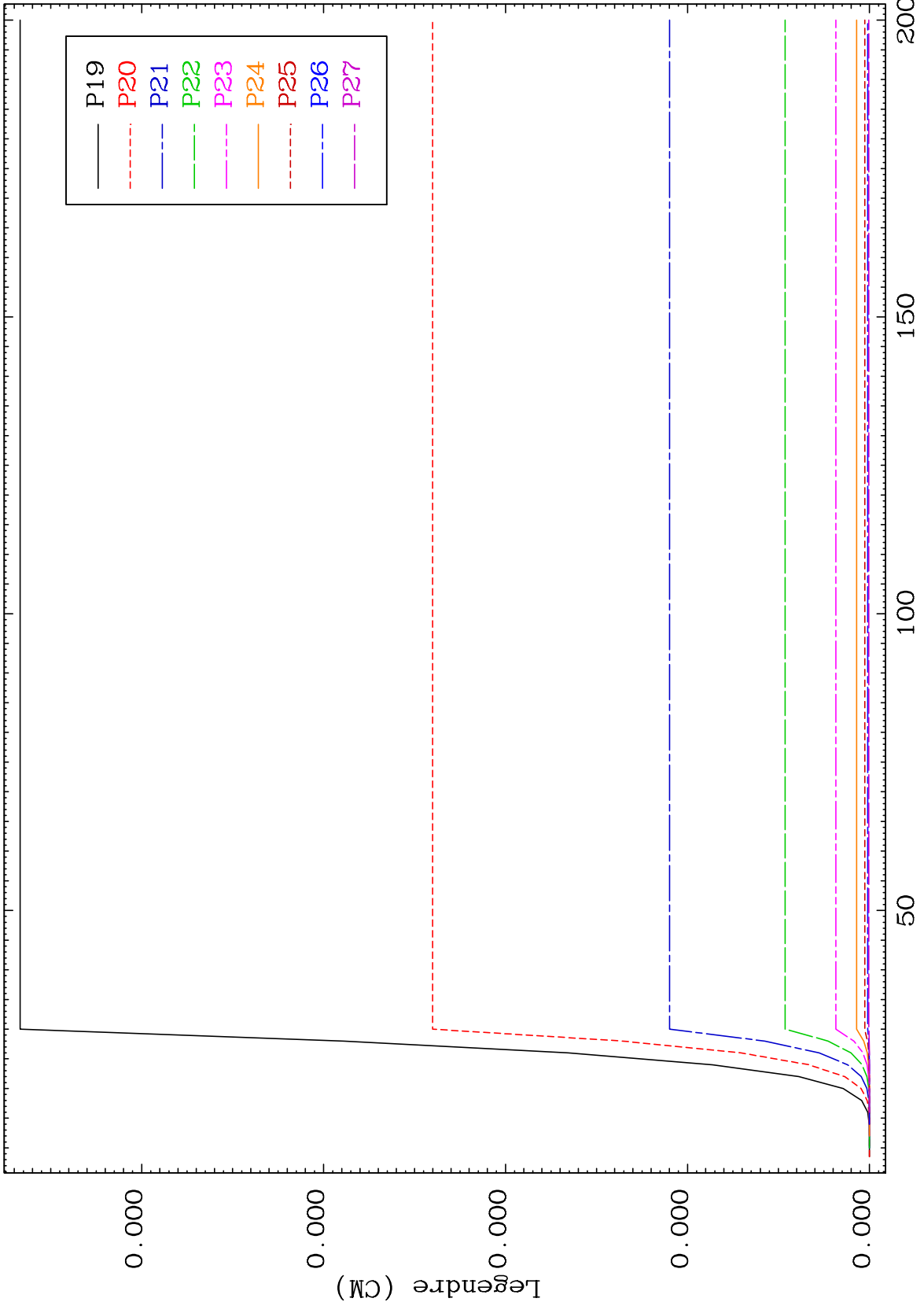


121

Incident Energy (MeV)

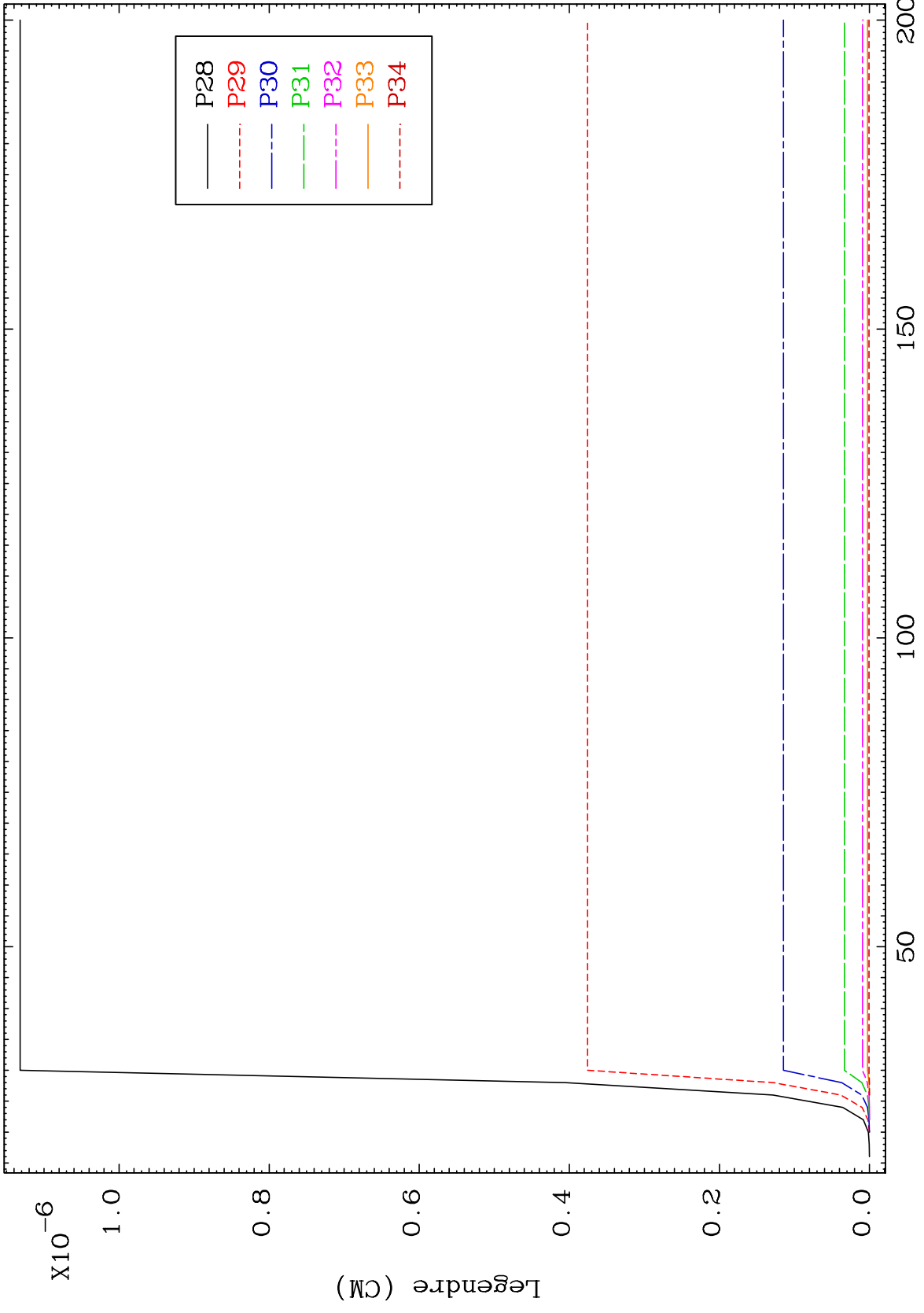
50-Sn-110

MAT 5019 MT= 77 (n,n') Level Legendre Coefficients 50-Sn-110



122 50-Sn-110

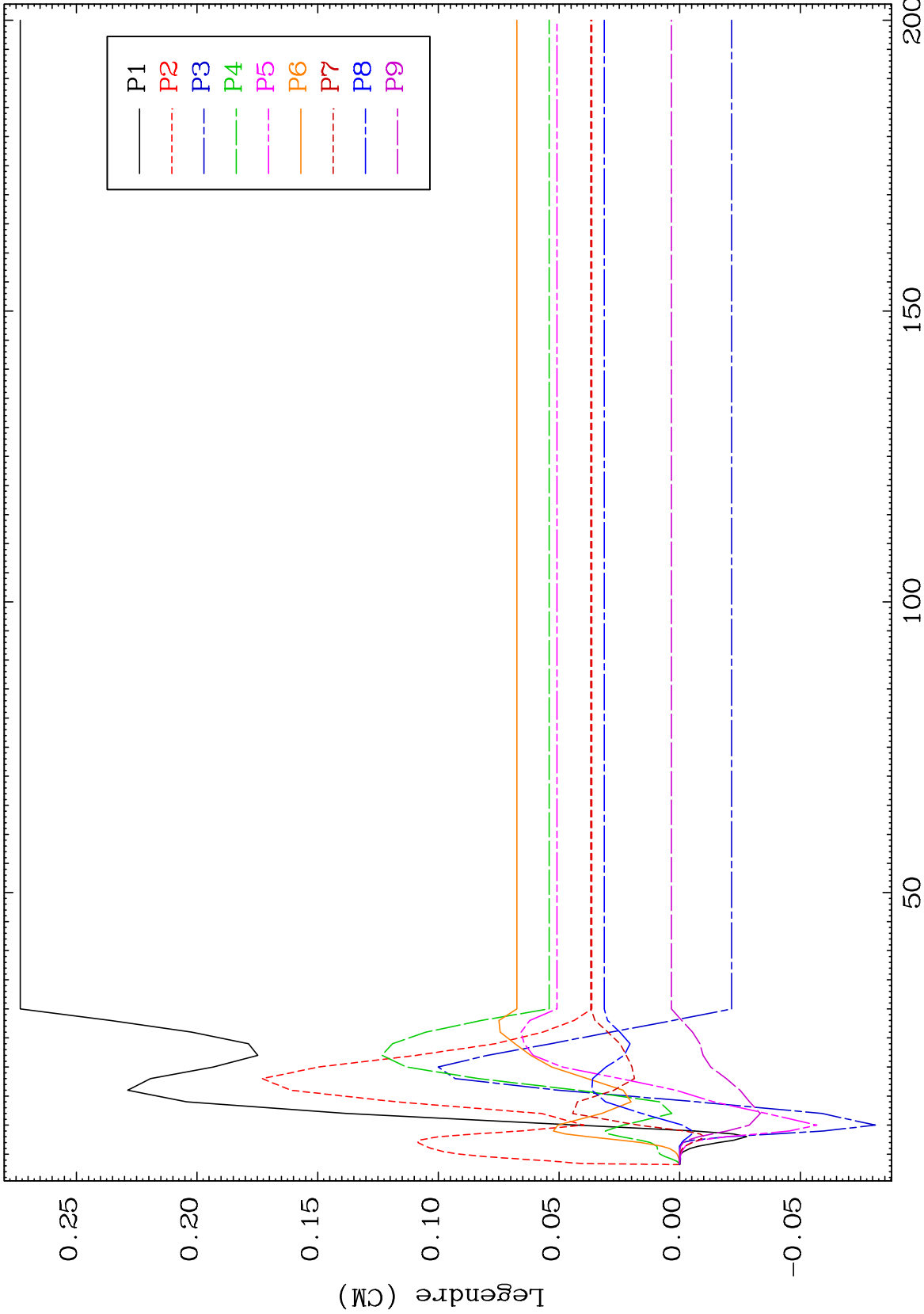
MAT 5019 MT= 77 (n,n') Level Legendre Coefficients 50-Sn-110



MAT 5019

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

50-Sn-110

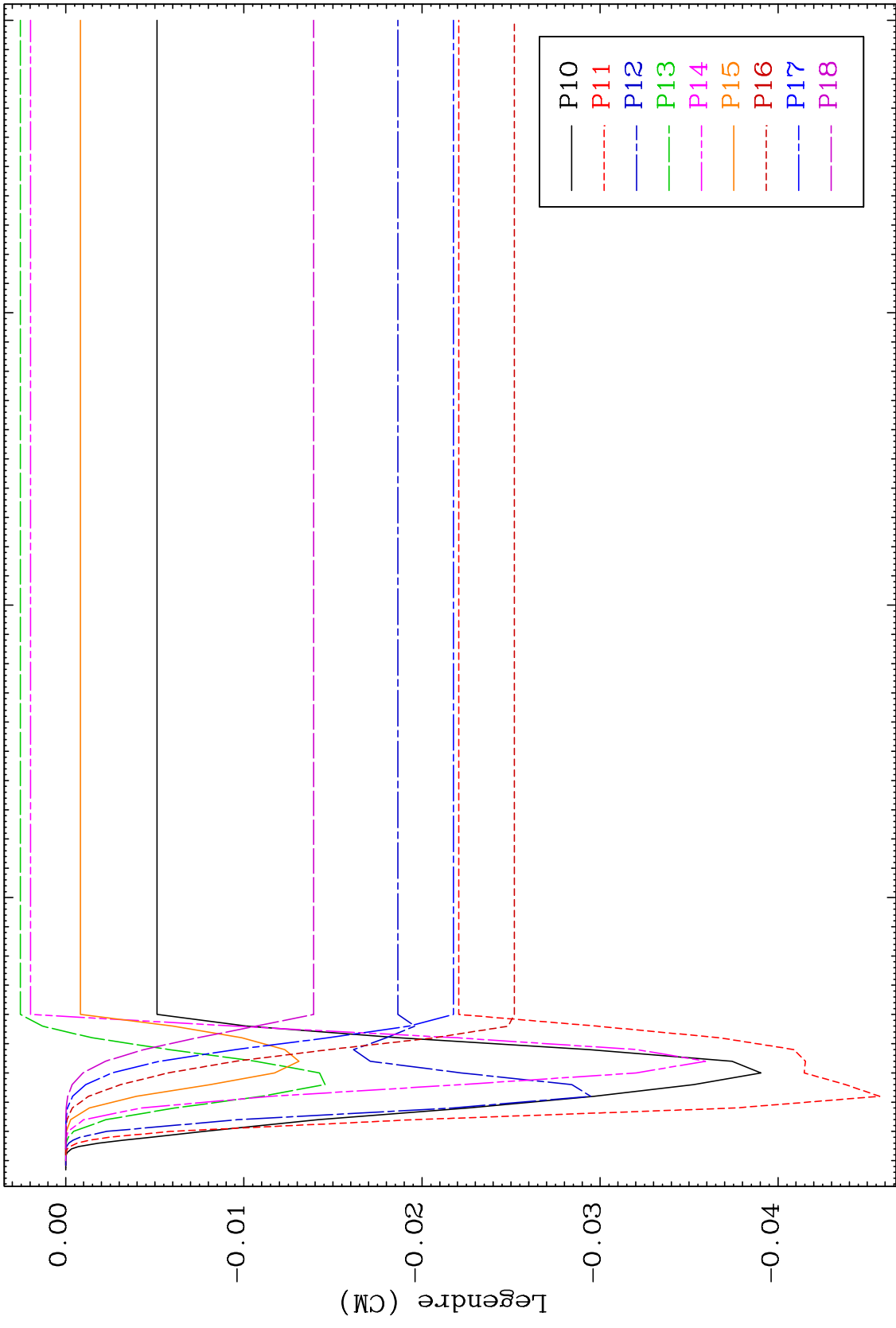


124

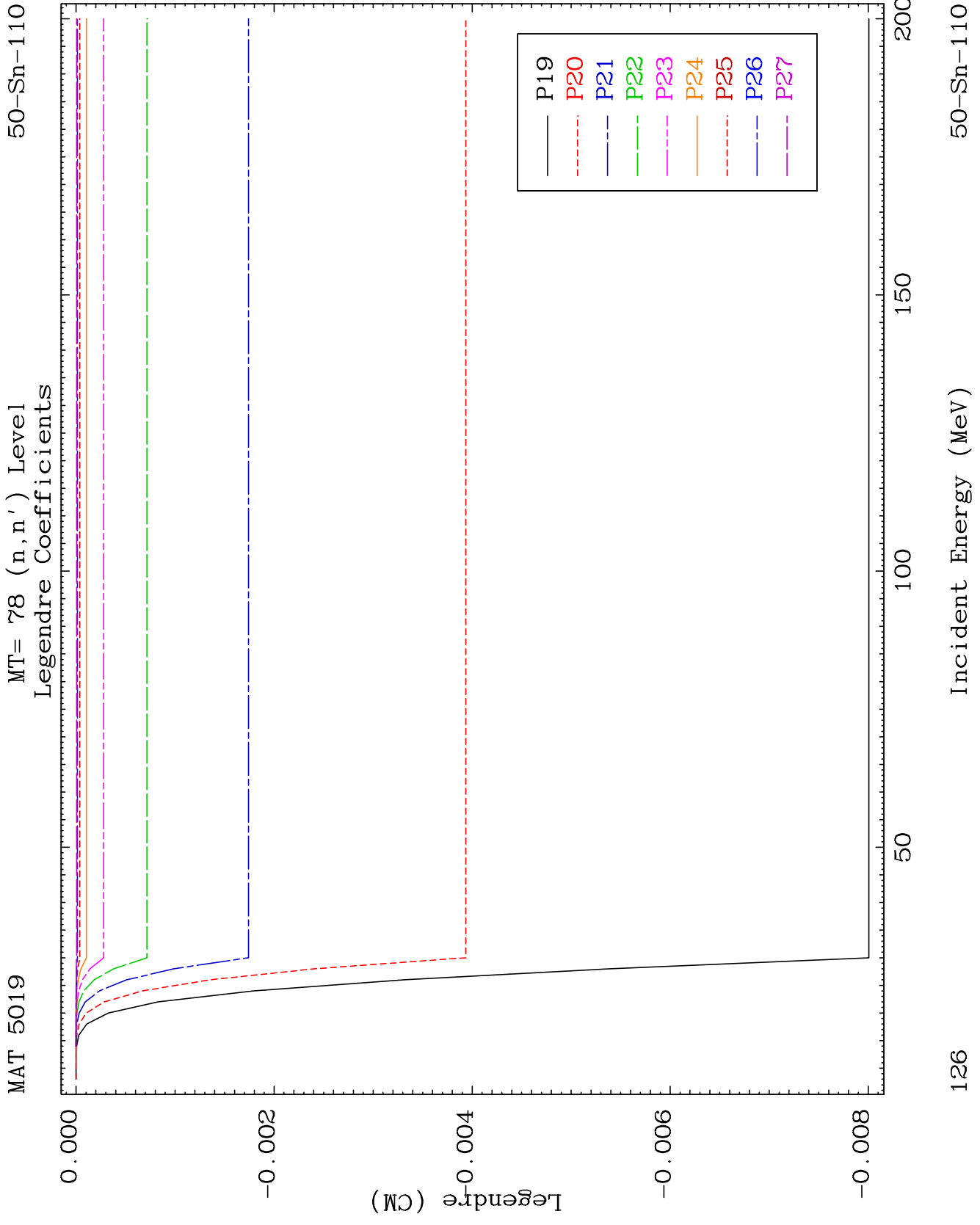
Incident Energy (MeV)

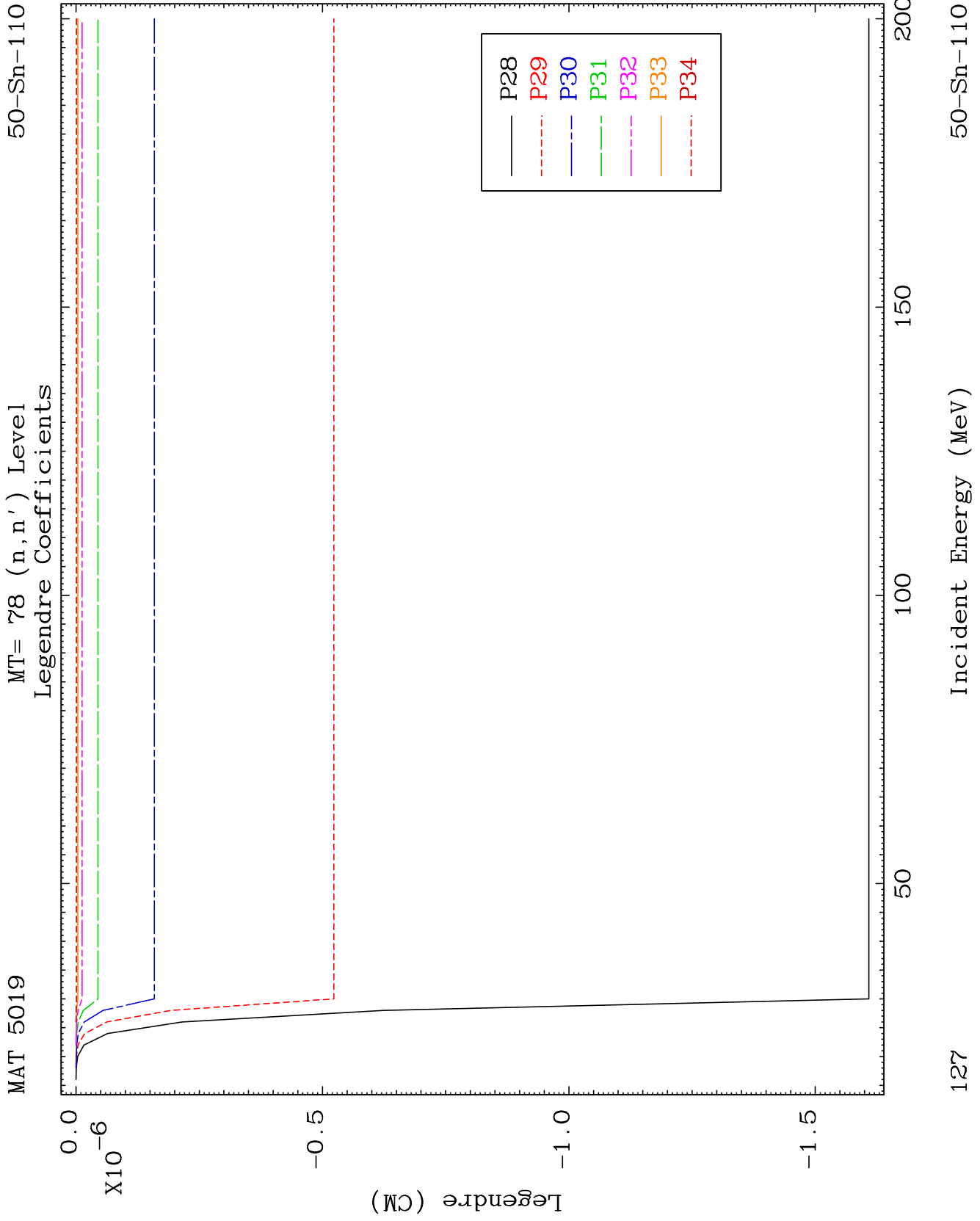
50-Sn-110

MAT 5019 MT= 78 (n,n') Level Legendre Coefficients 50-Sn-110

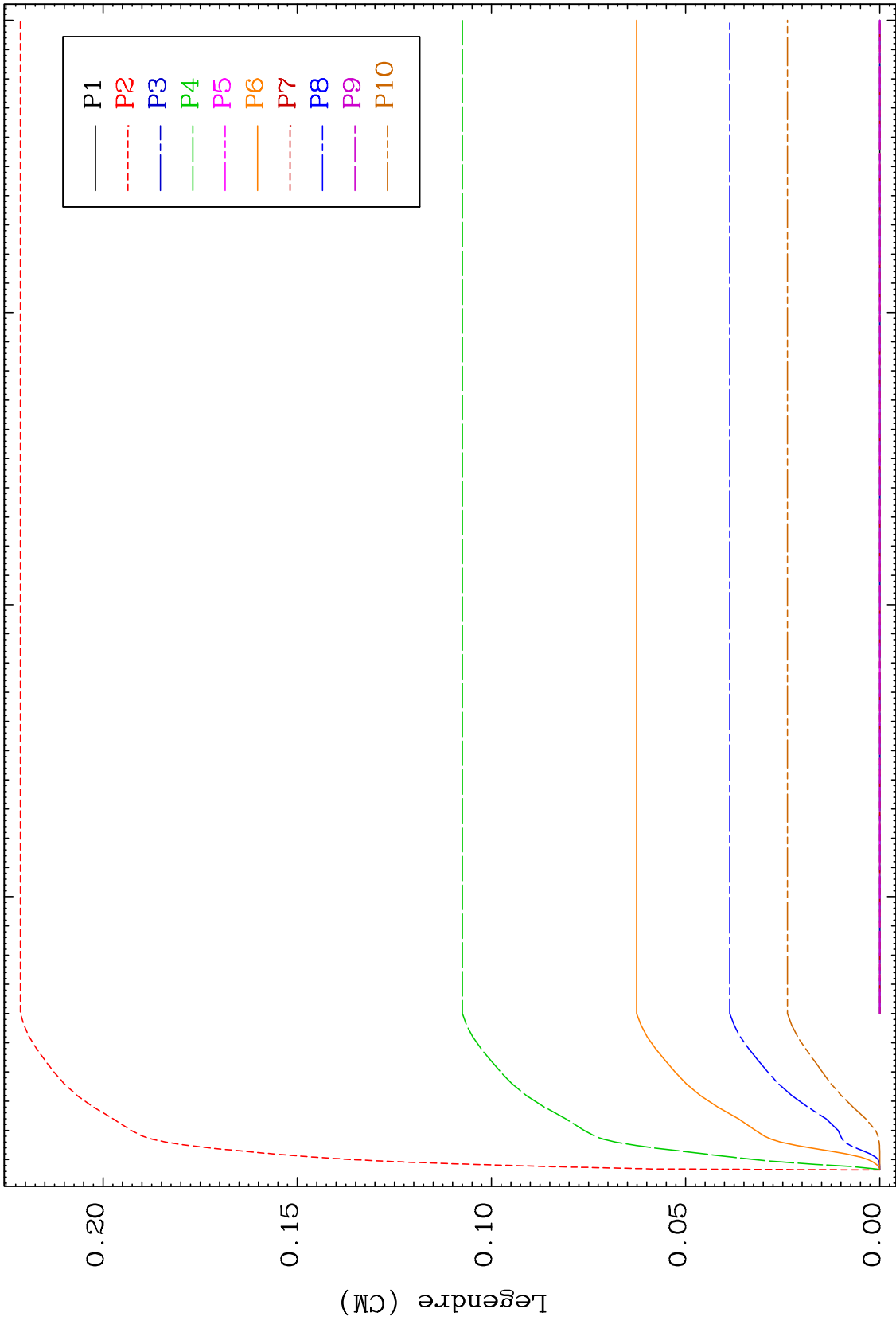


125 Incident Energy (MeV) 50-Sn-110

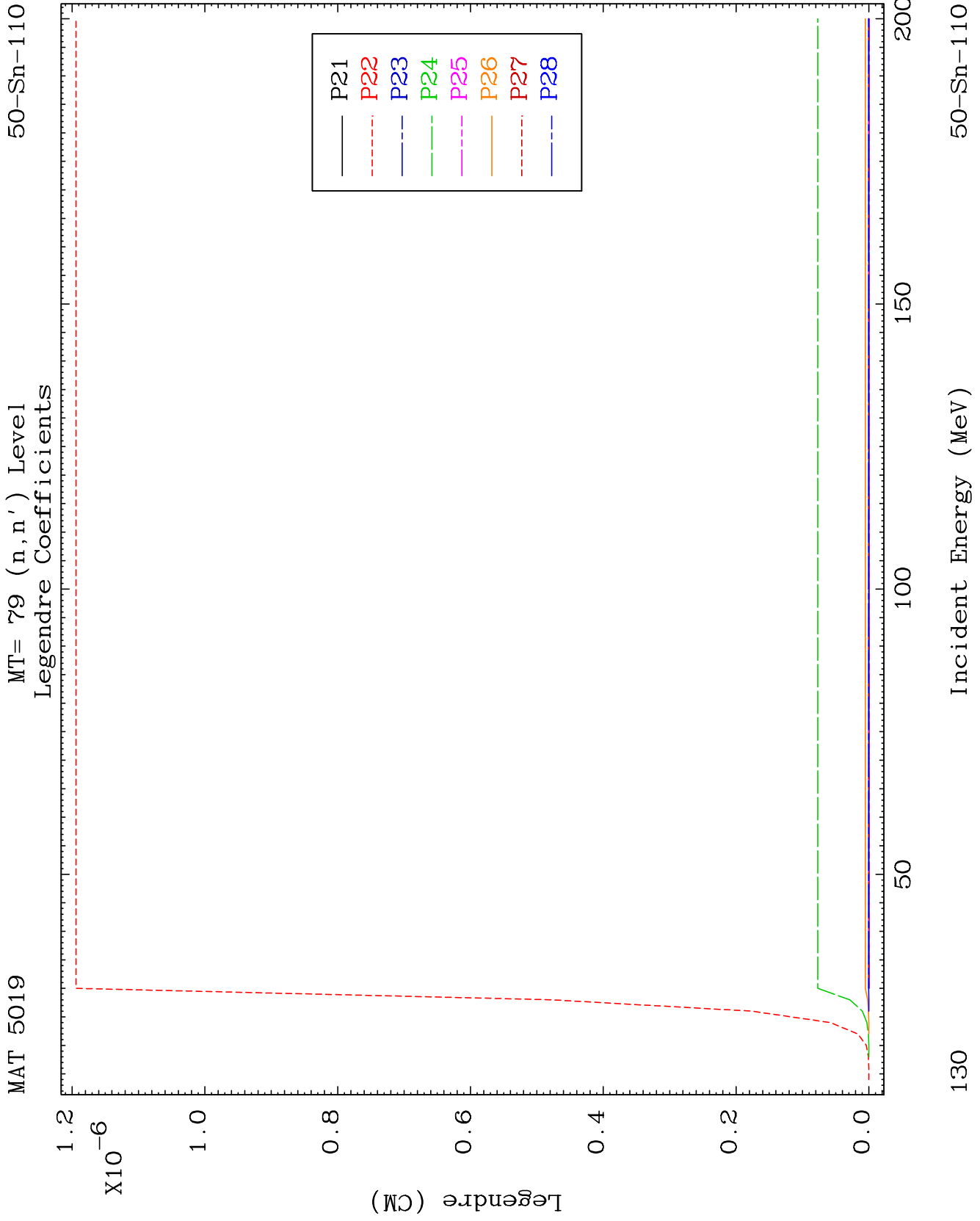




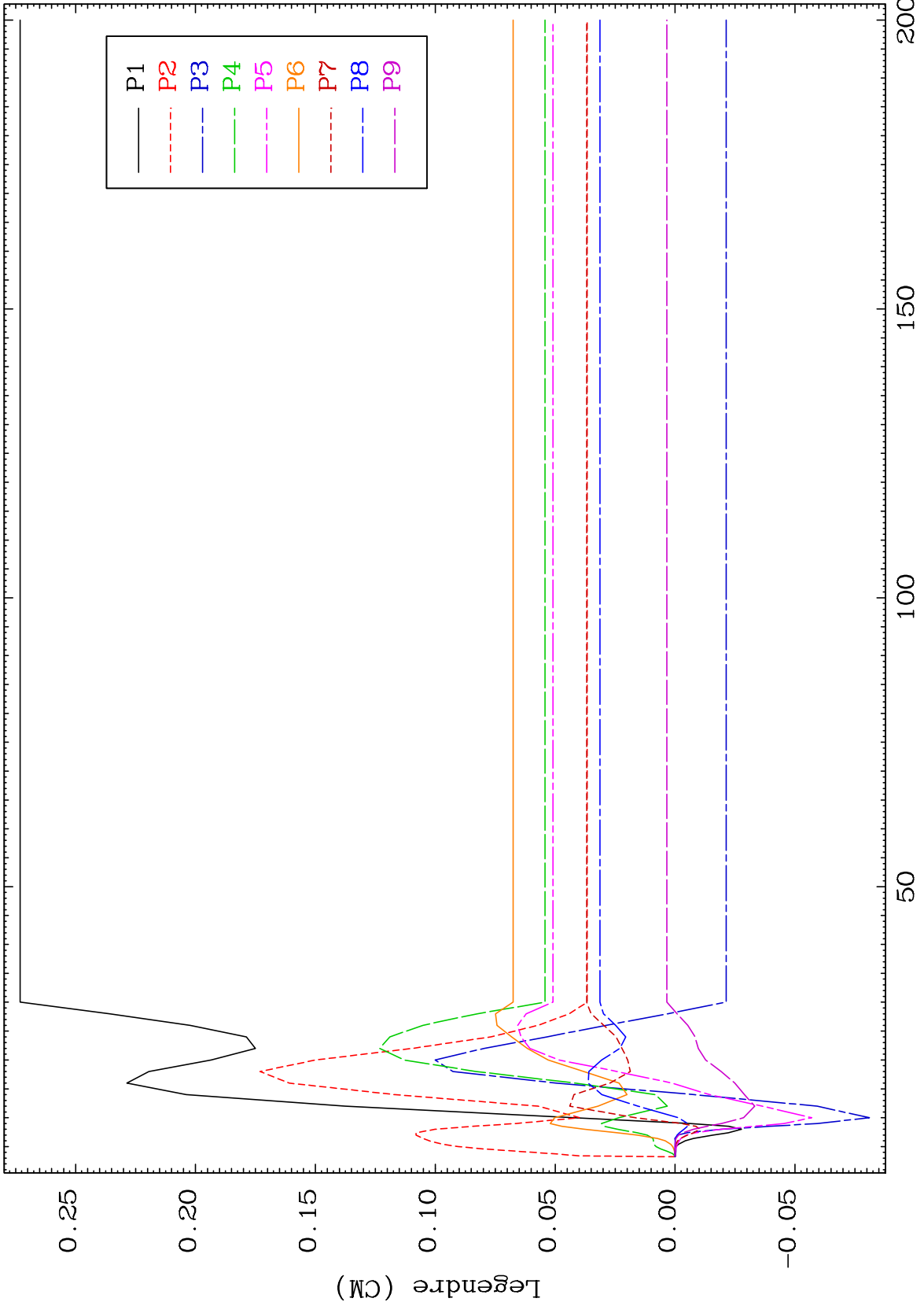
MAT 5019 MT= 79 (n,n') Level Legendre Coefficients 50-Sn-110



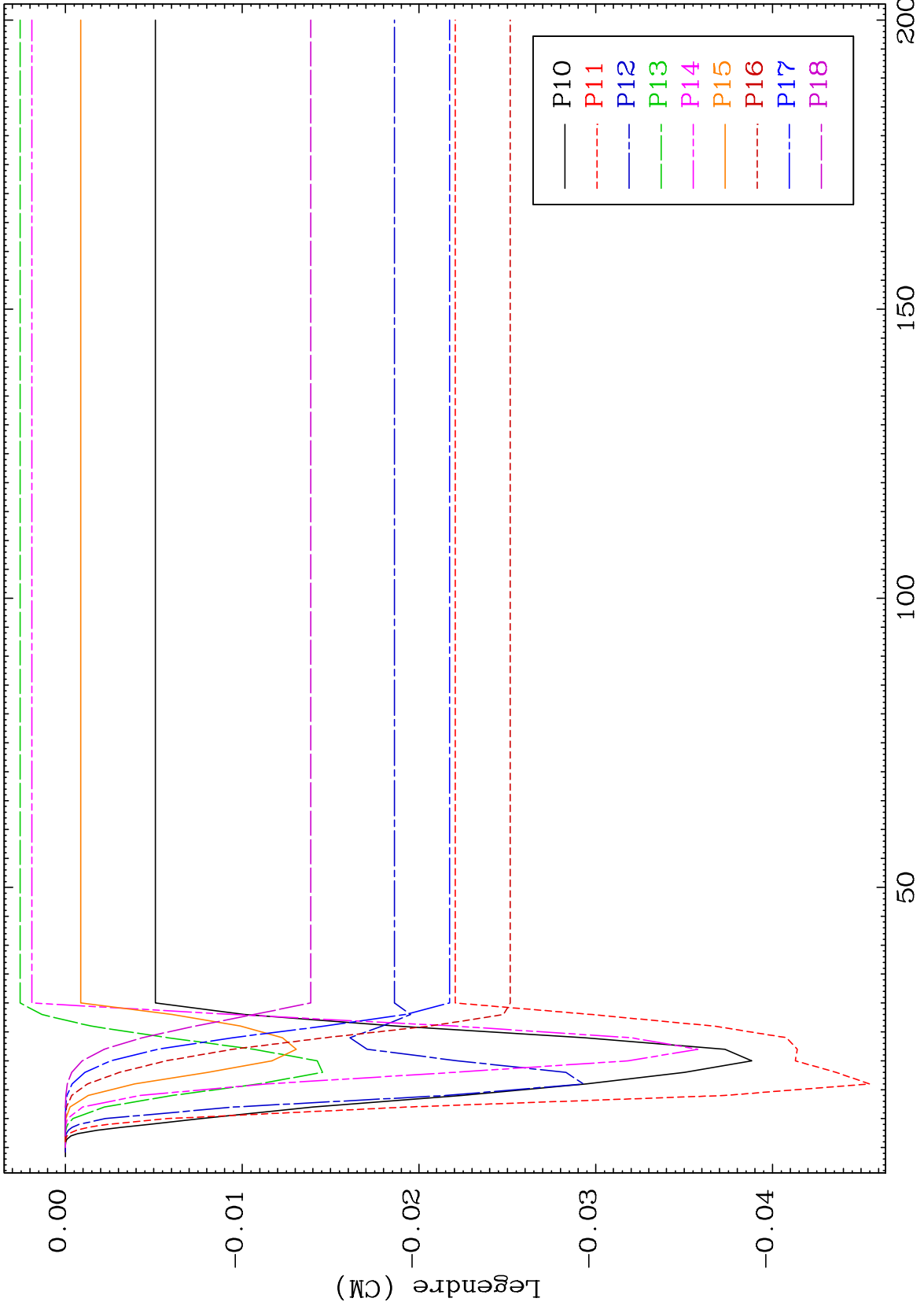
128 Incident Energy (MeV) 50-Sn-110

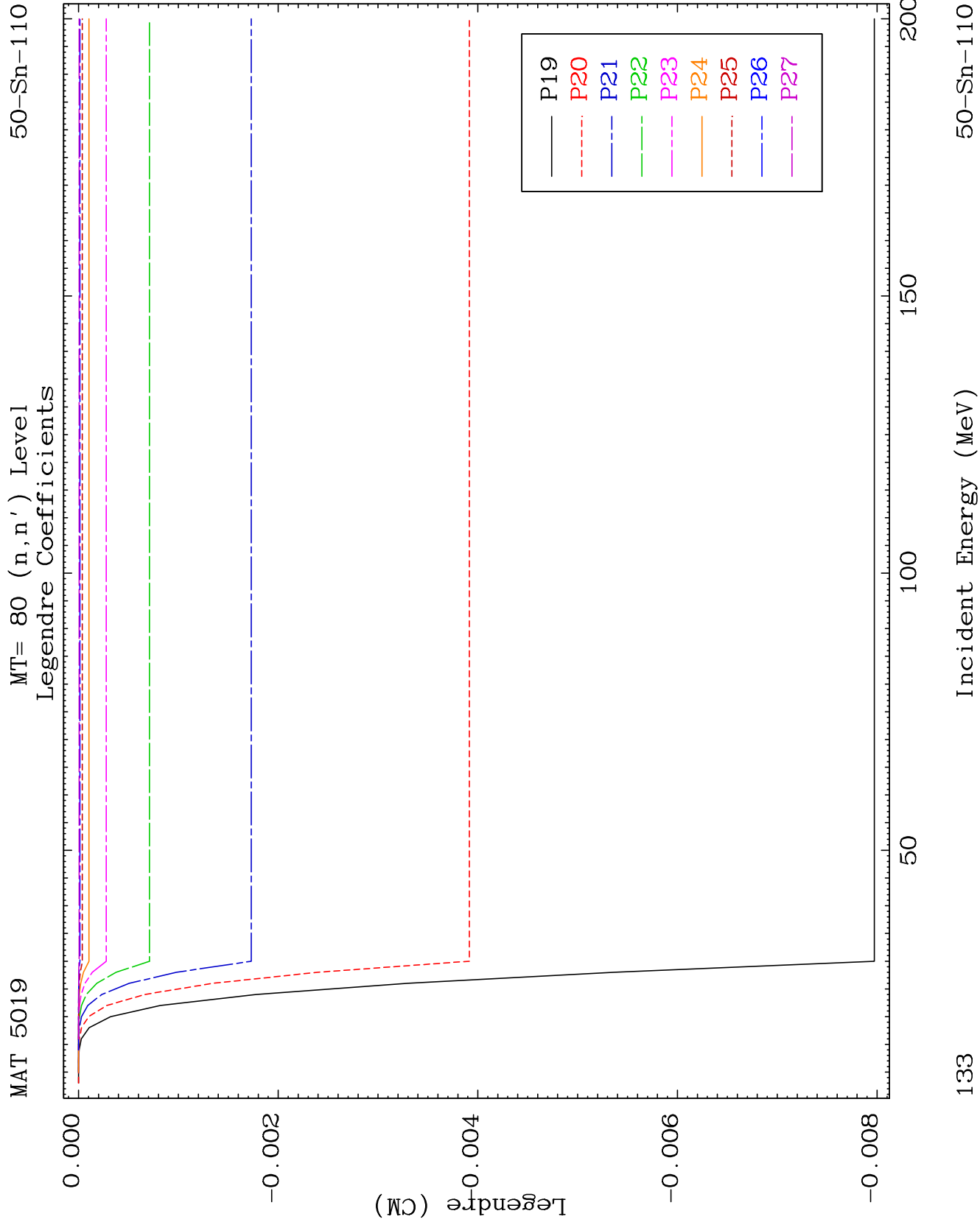


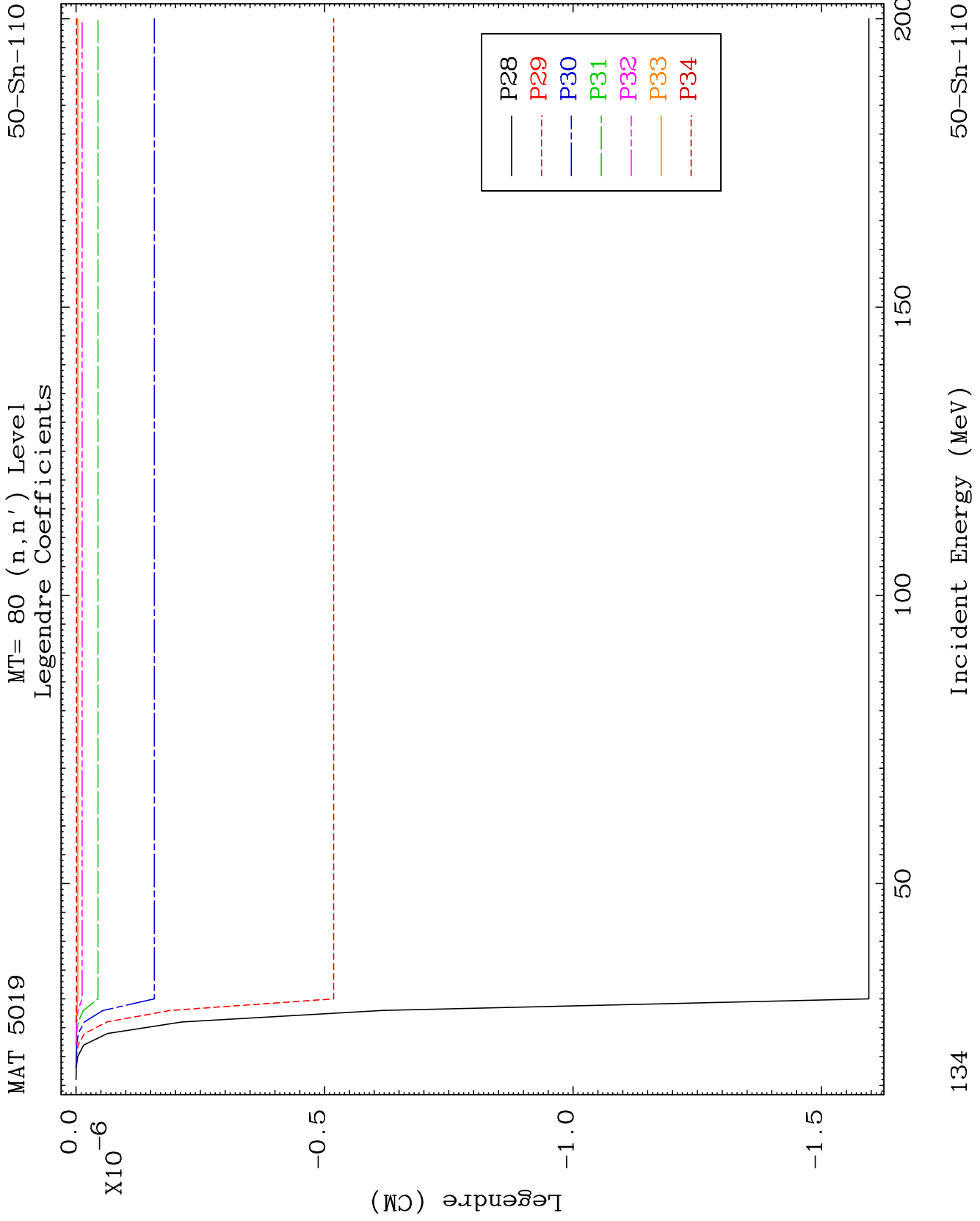
MAT 5019 MT= 80 (n,n') Level Legendre Coefficients 50-Sn-110



MAT 5019 MT= 80 (n,n') Level Legendre Coefficients 50-Sn-110





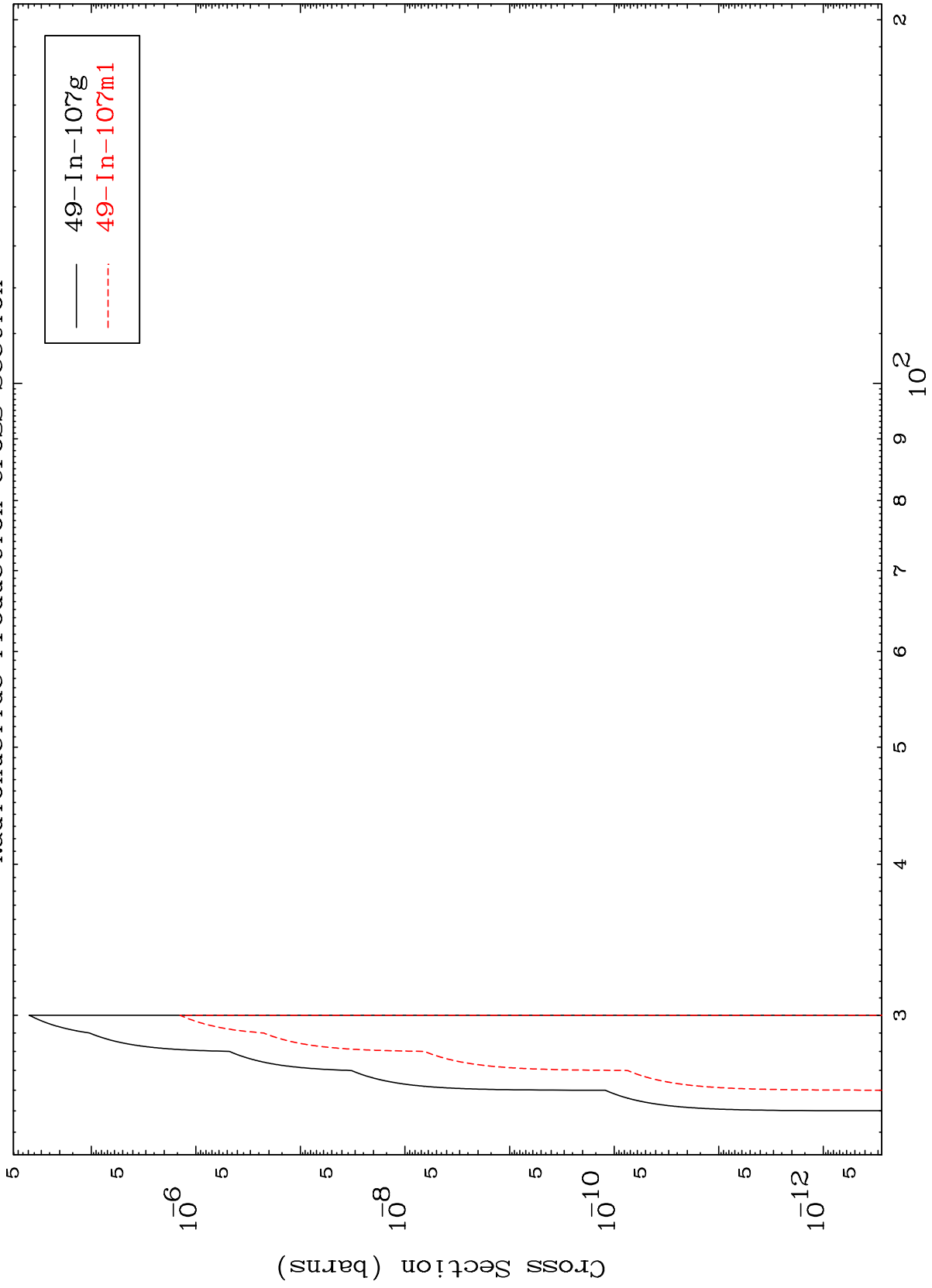


MAT 5019

(n,2n) d

50-Sn-110

Radionuclide Production Cross Section



135

Incident Energy (MeV)

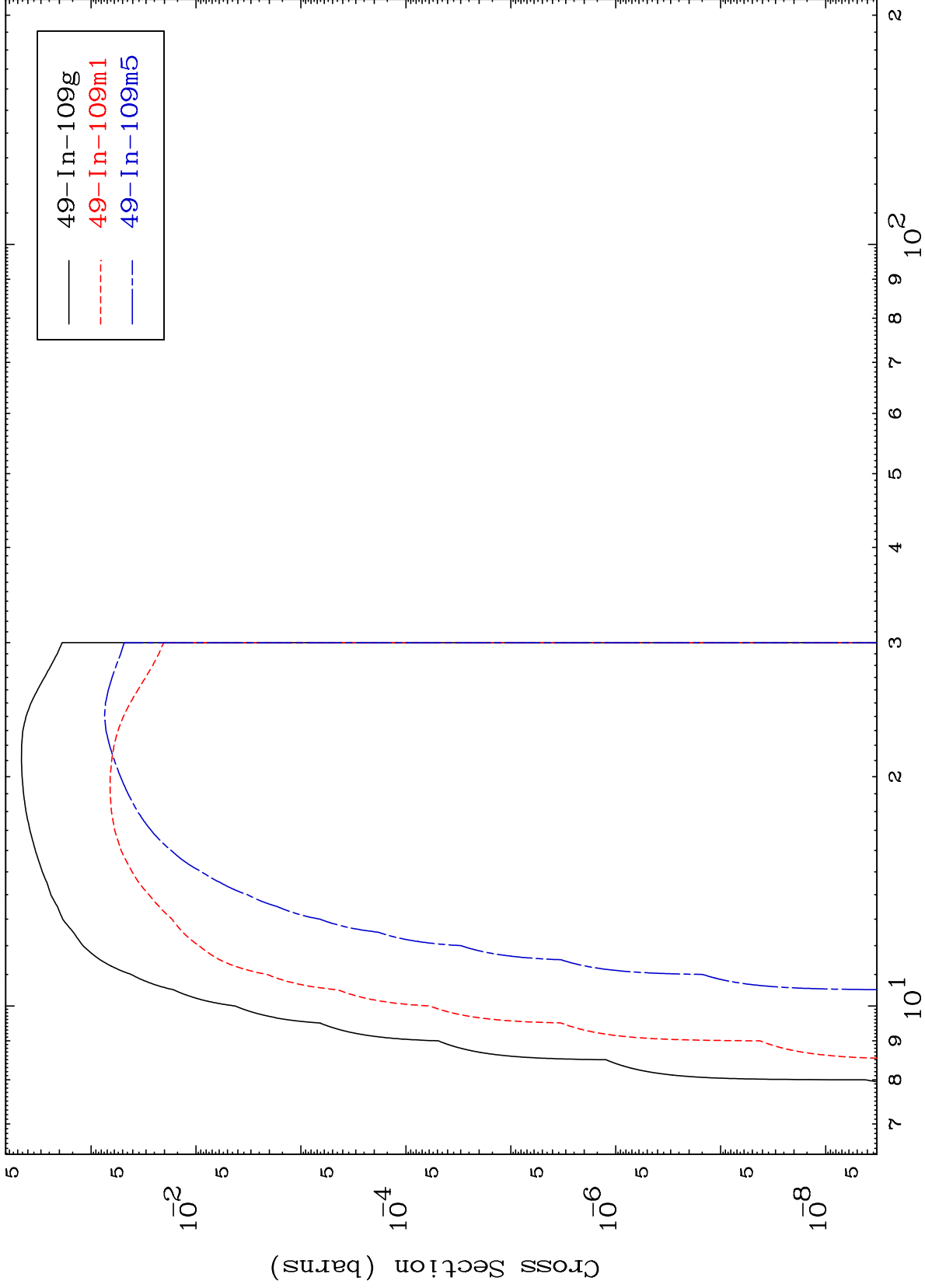
50-Sn-110

MAT 5019

(n,n') p

50-Sn-110

Radionuclide Production Cross Section



136

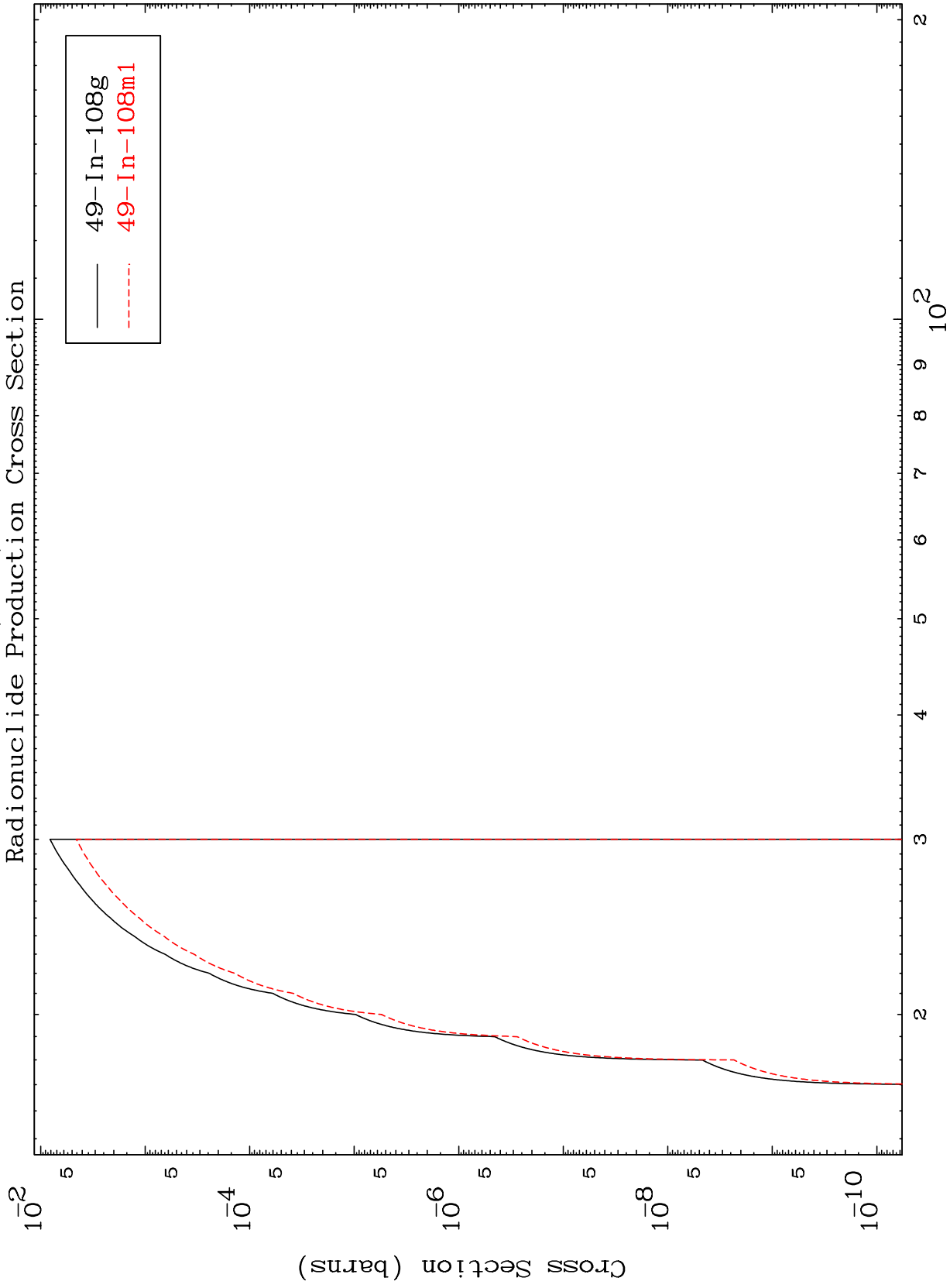
Incident Energy (MeV)

50-Sn-110

MAT 5019

(n,n') d

50-Sn-110



137

Incident Energy (MeV)

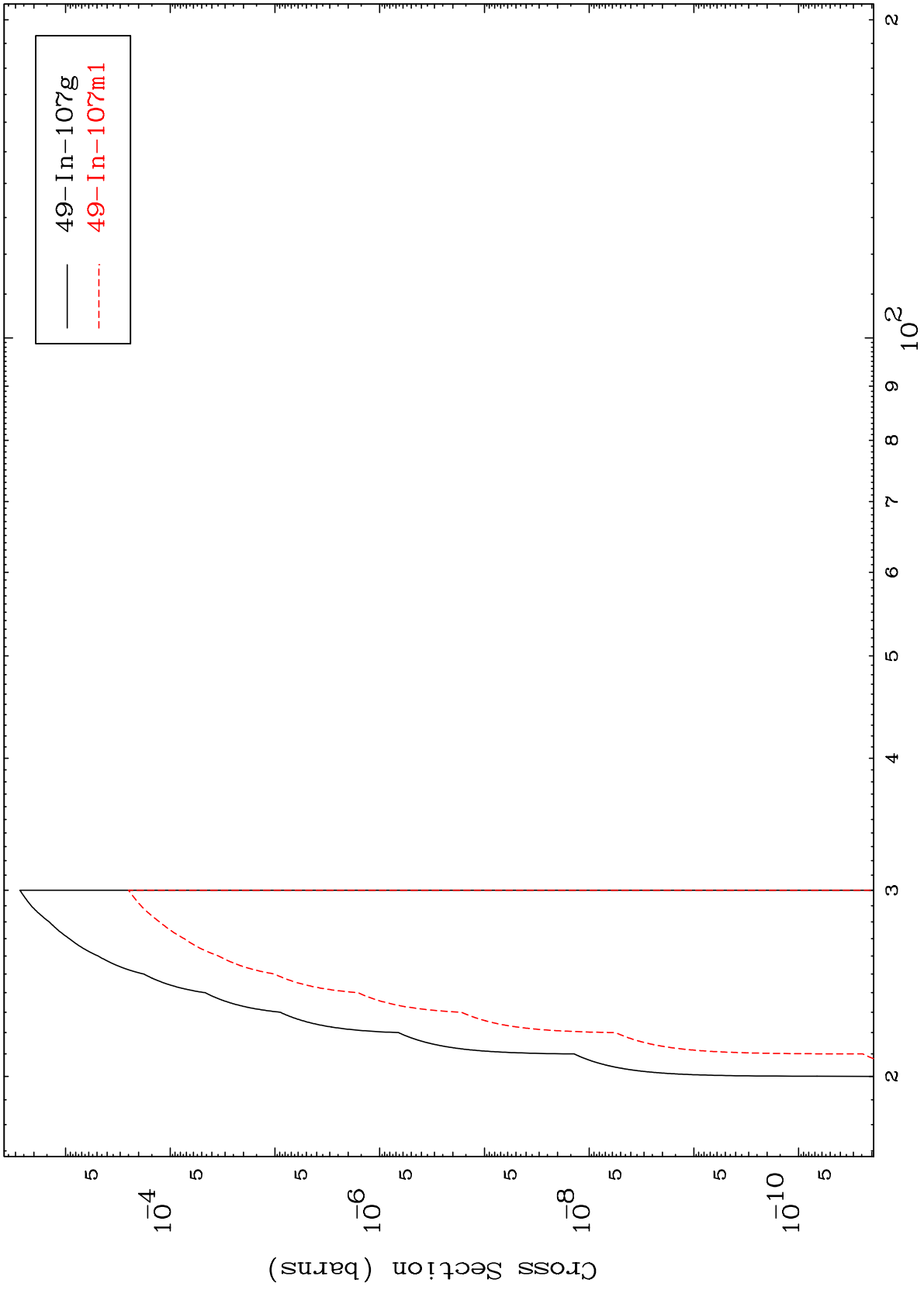
50-Sn-110

MAT 5019

(n,n') t

50-Sn-110

Radionuclide Production Cross Section



138

Incident Energy (MeV)

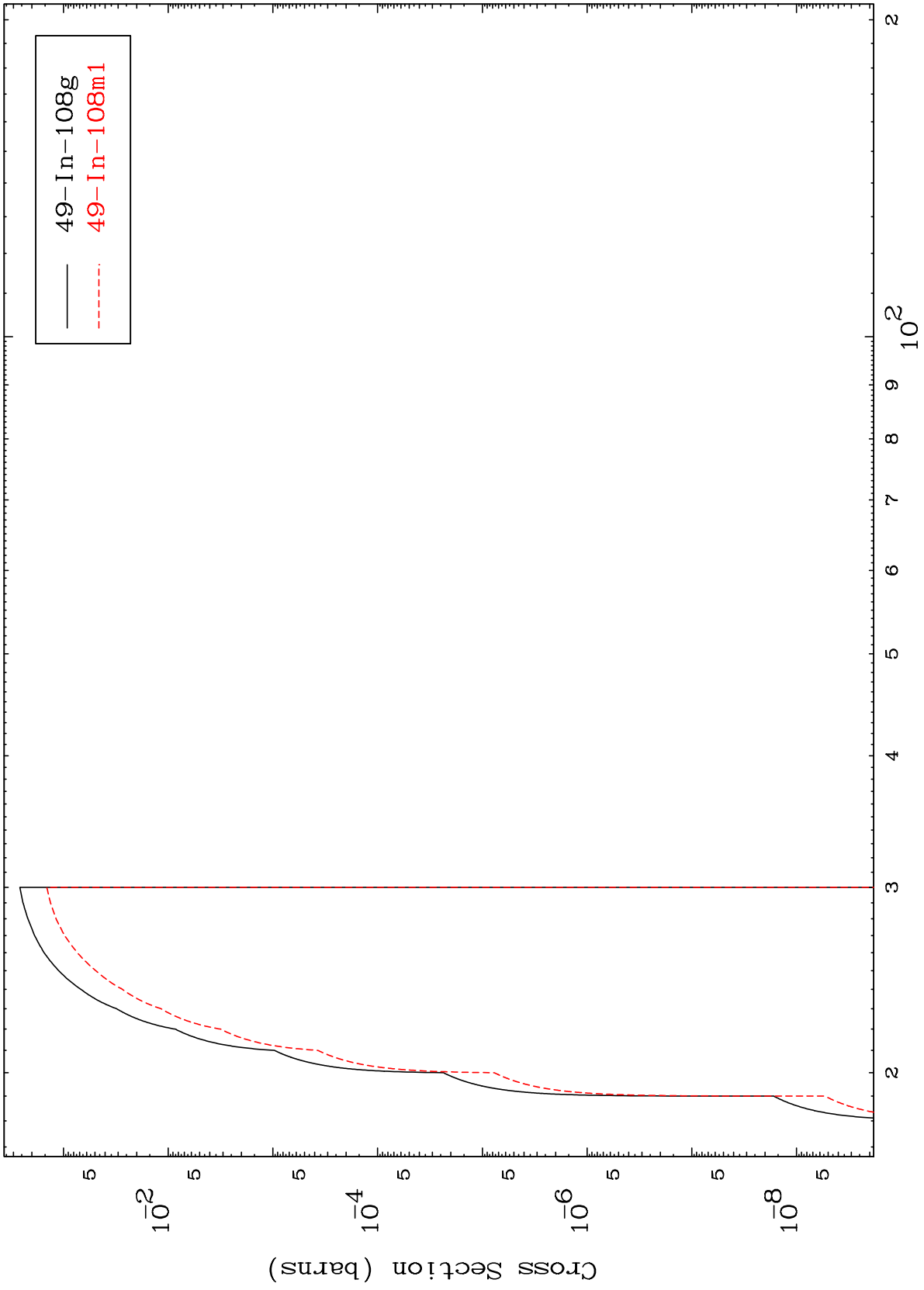
50-Sn-110

MAT 5019

(n,2n) p

50-Sn-110

Radionuclide Production Cross Section



139

Incident Energy (MeV)

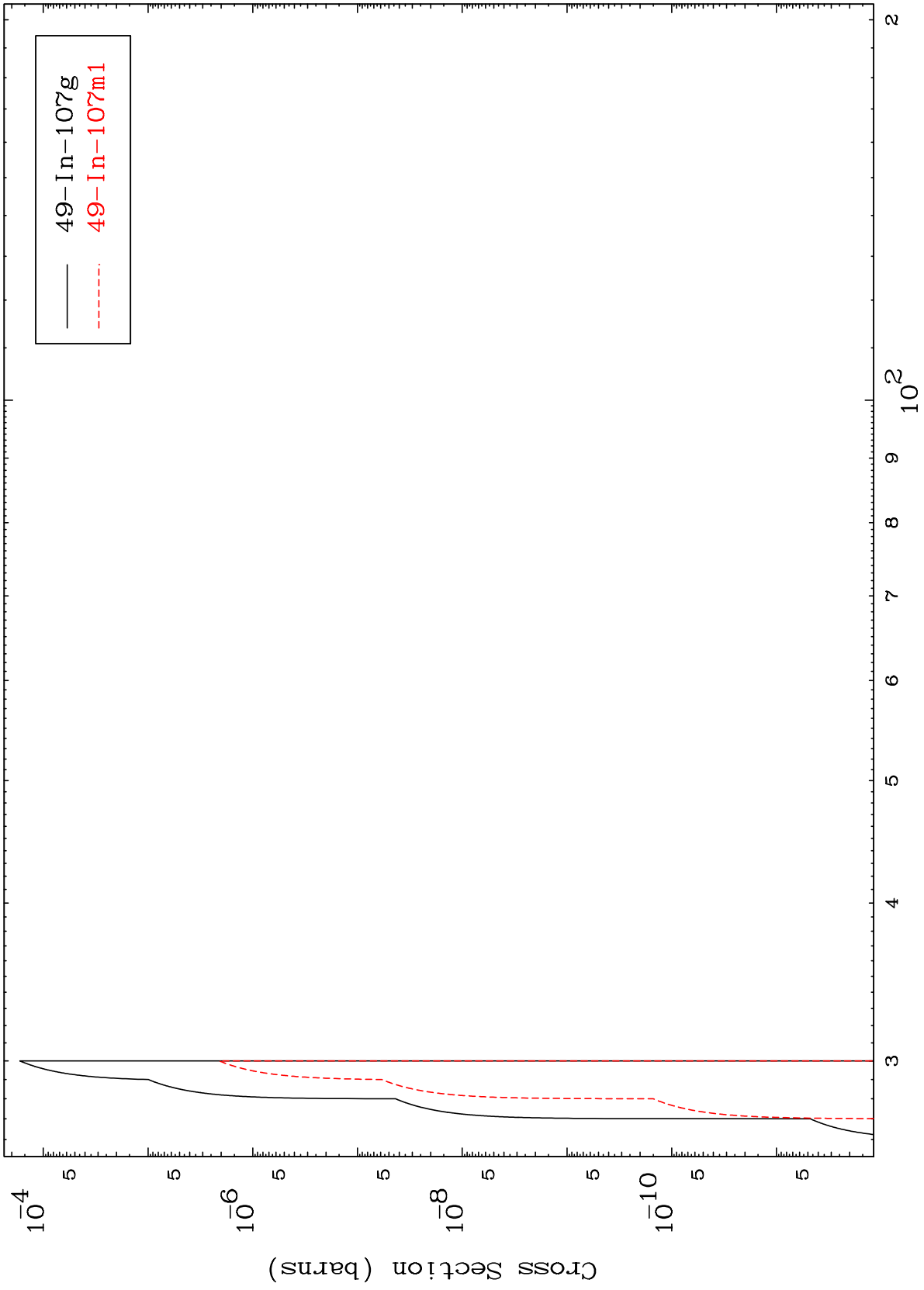
50-Sn-110

MAT 5019

(n,3n) p

50-Sn-110

Radionuclide Production Cross Section



140

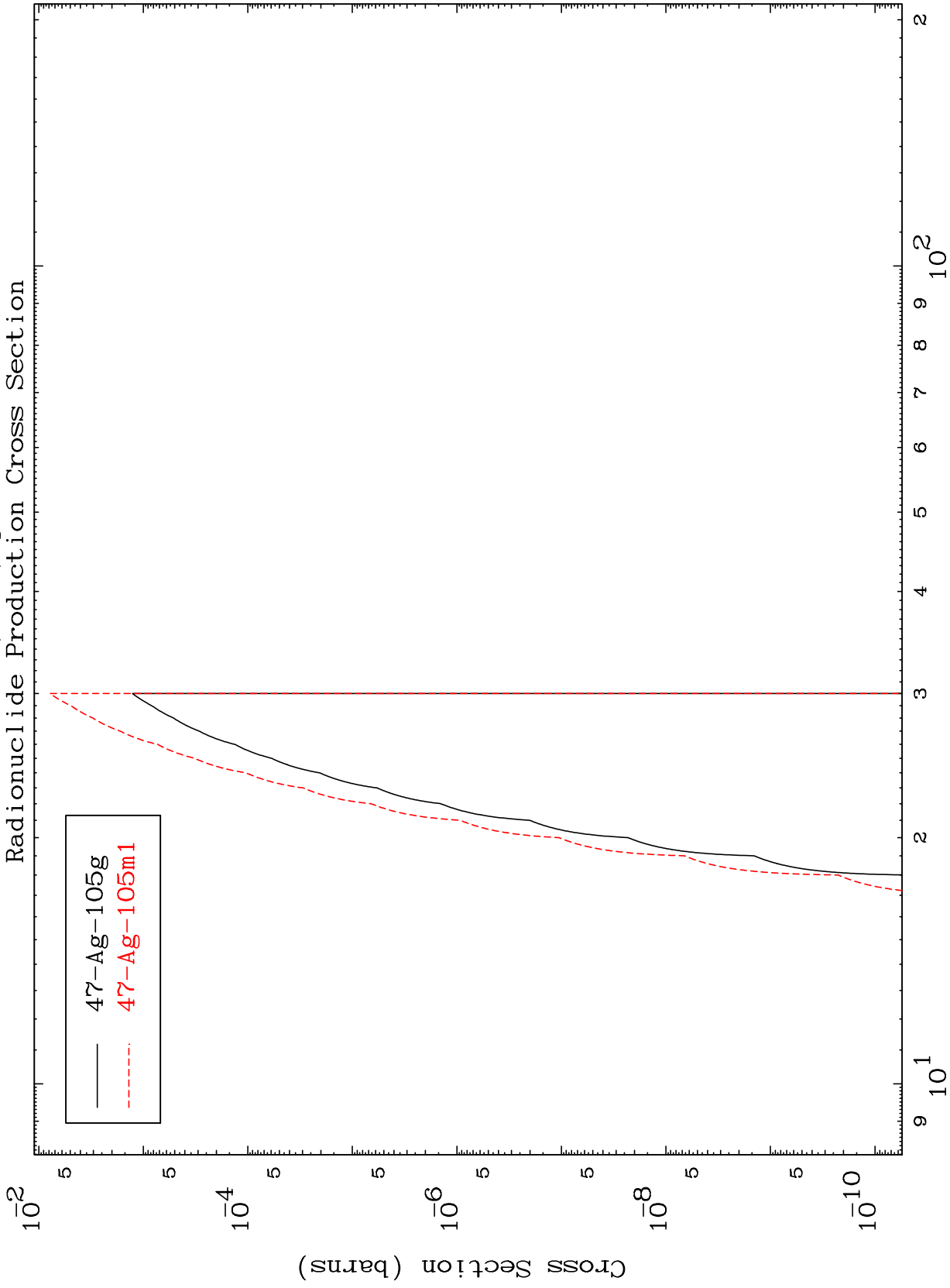
Incident Energy (MeV)

50-Sn-110

MAT 5019

50-Sn-110

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



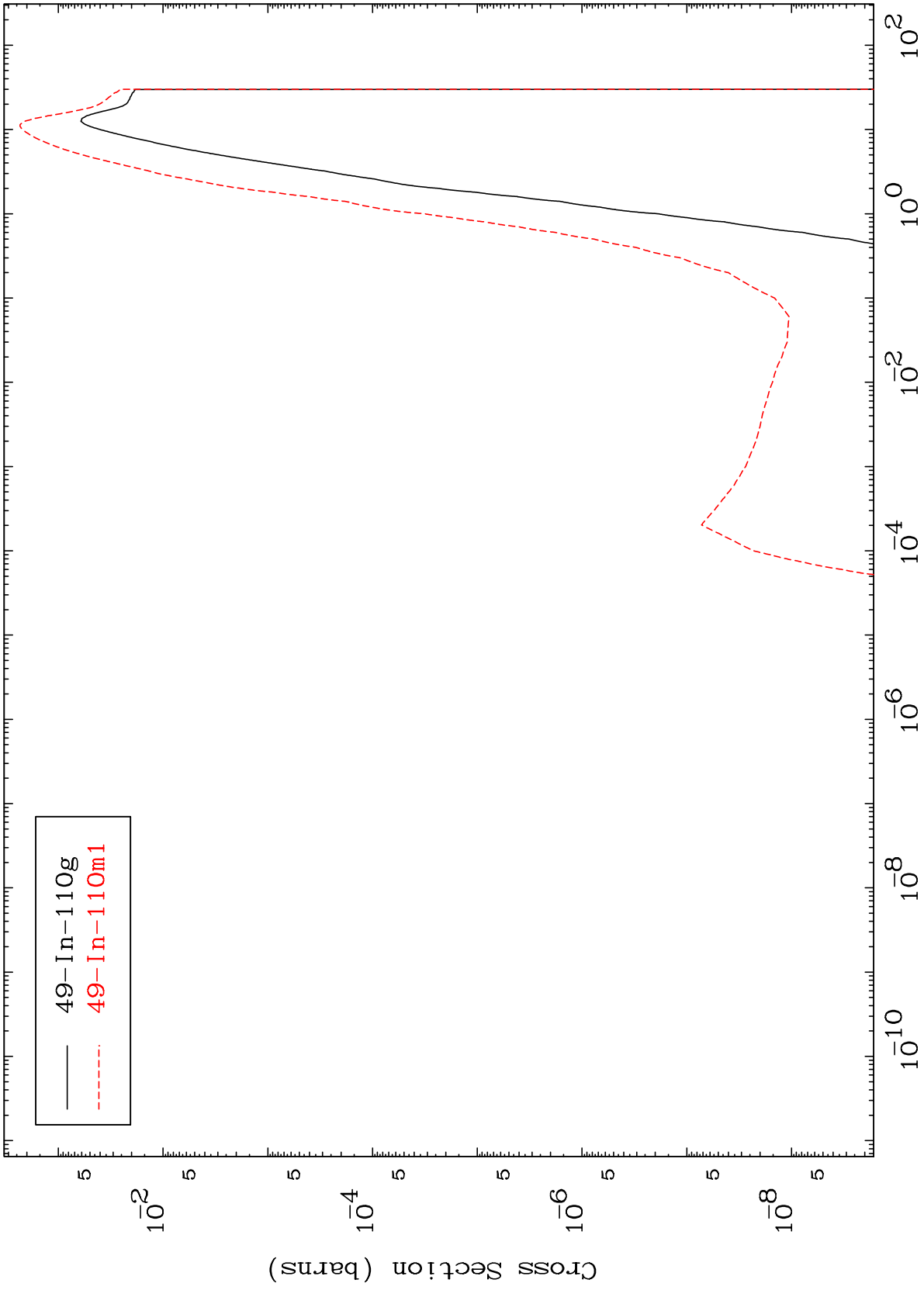
141

50-Sn-110

MAT 5019

(n,p)
Radionuclide Production Cross Section

50-Sn-110



142

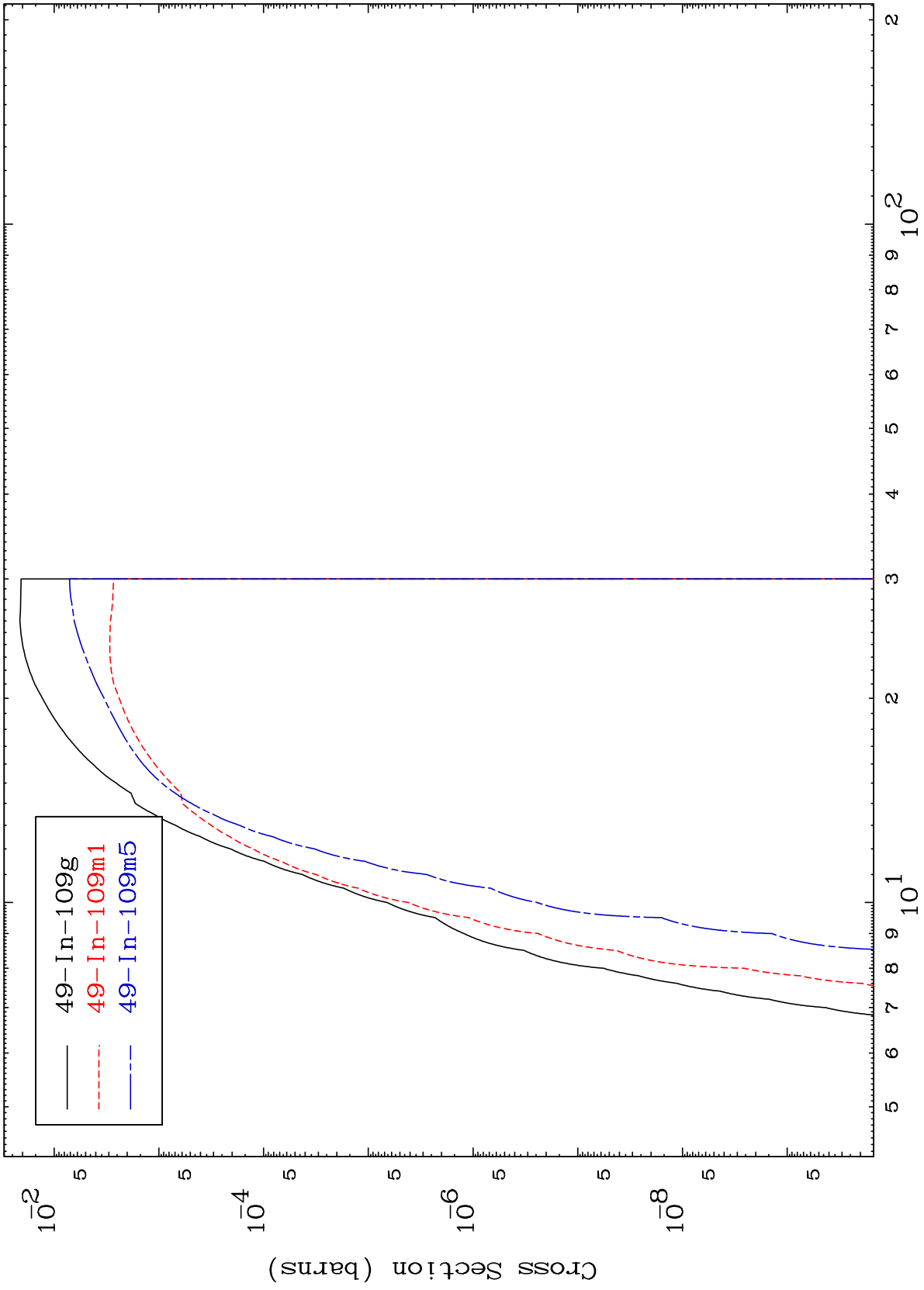
Incident Energy (MeV)

50-Sn-110

MAT 5019

Radionuclide Production Cross Section
(n,d)

50-Sn-110



143

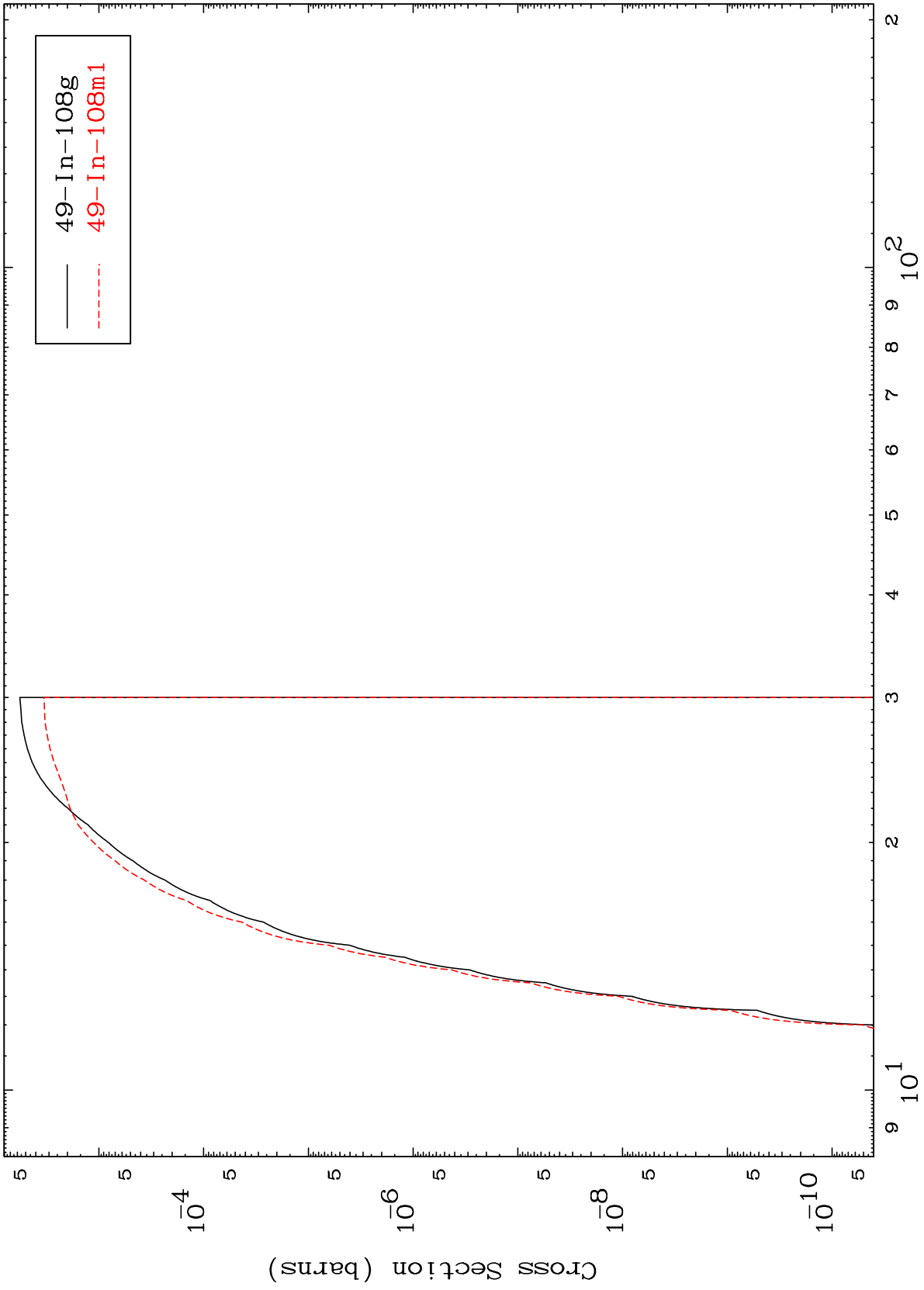
Incident Energy (MeV)

50-Sn-110

MAT 5019

50-Sn-110

(n, t)
Radionuclide Production Cross Section



144

Incident Energy (MeV)

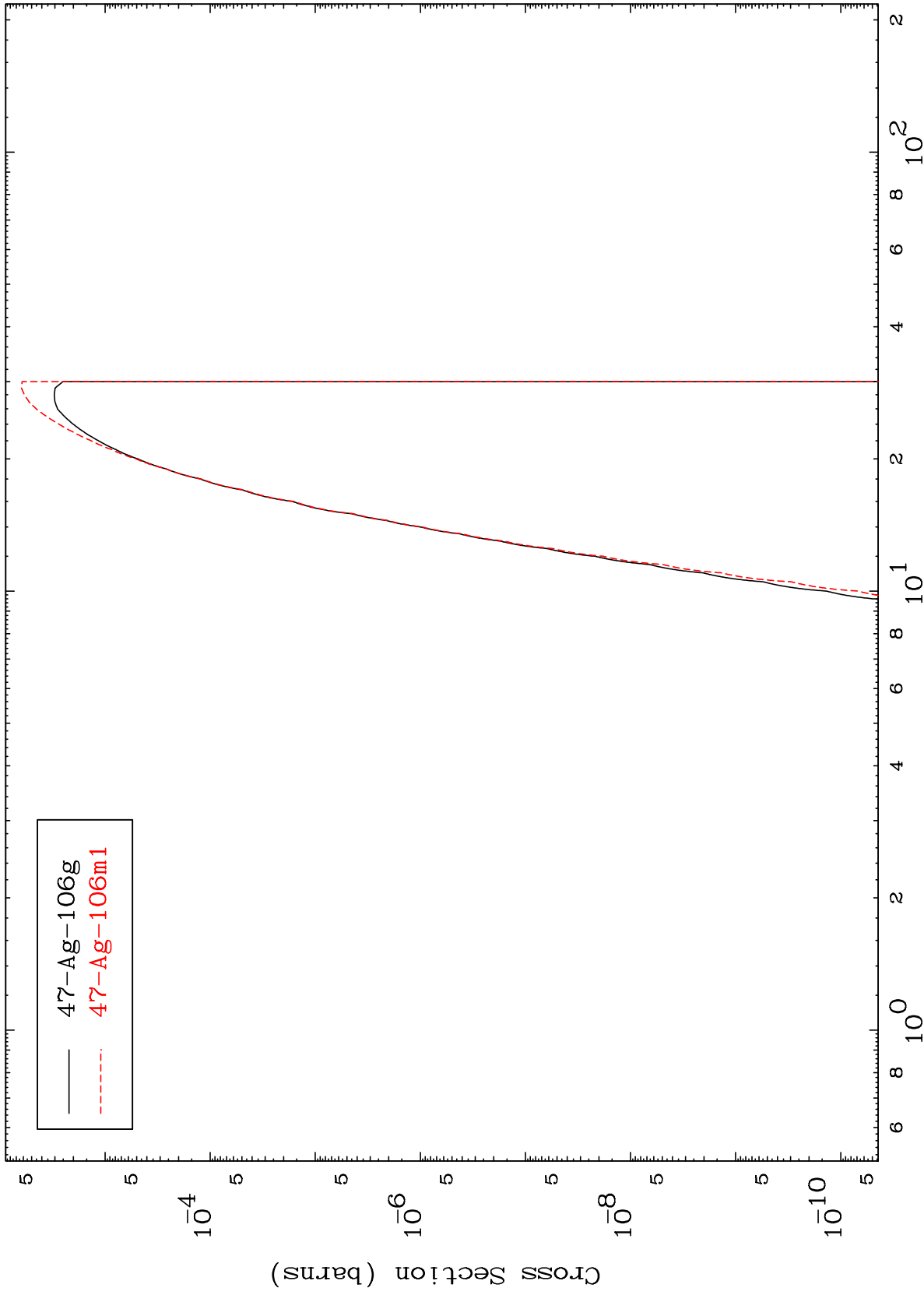
50-Sn-110

MAT 5019

(n,p) α

50-Sn-110

Radionuclide Production Cross Section



145

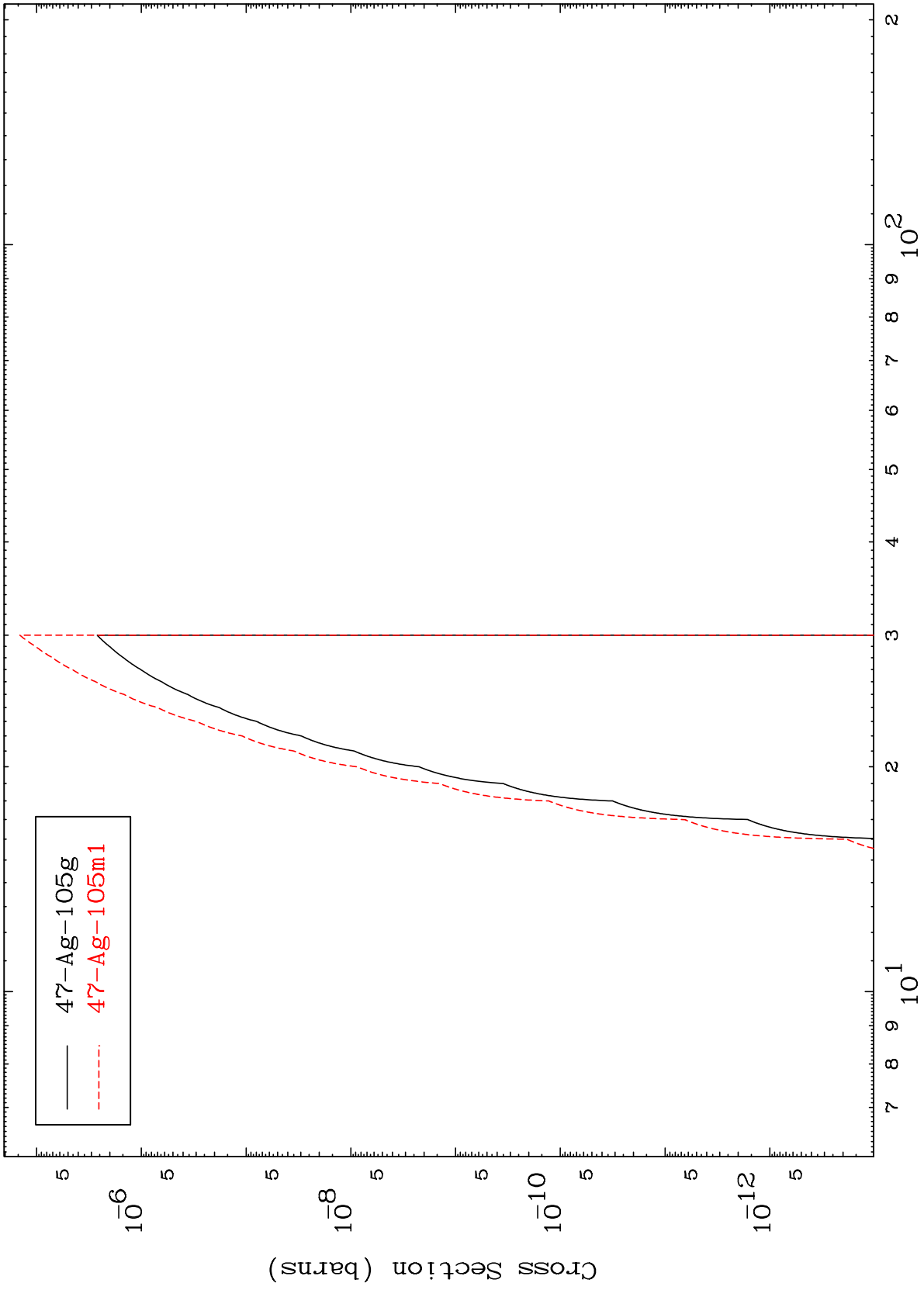
Incident Energy (MeV)

50-Sn-110

MAT 5019

50-Sn-110

(n,d) α
Radionuclide Production Cross Section



146

50-Sn-110

Incident Energy (MeV)