

Program EVALPLOT
(Version 2018-1)

by

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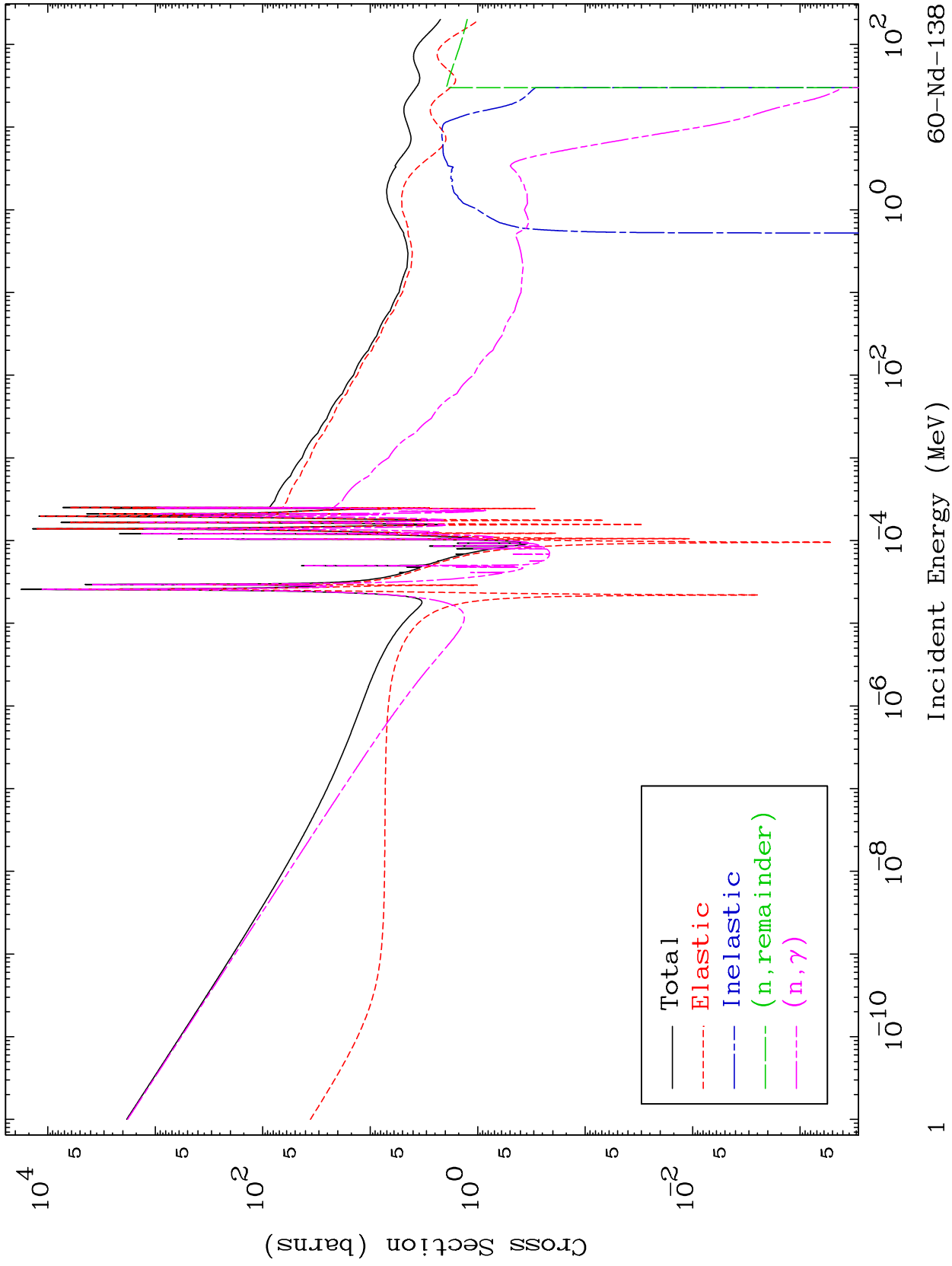
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6013

Major
293 Kelvin Cross Sections

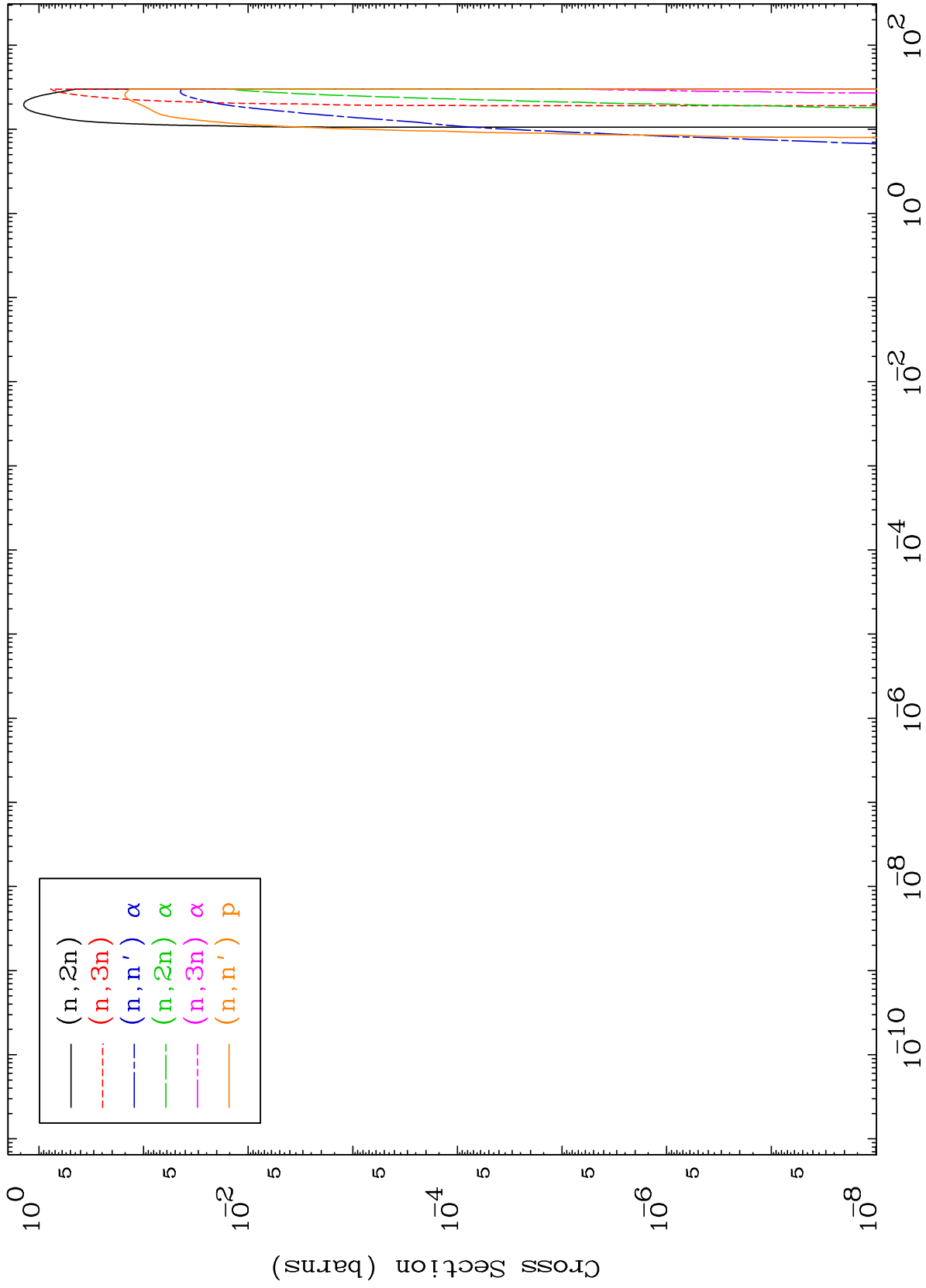
60-Nd-138



MAT 6013

Neutron Production
293 Kelvin Cross Sections

60-Nd-138



2

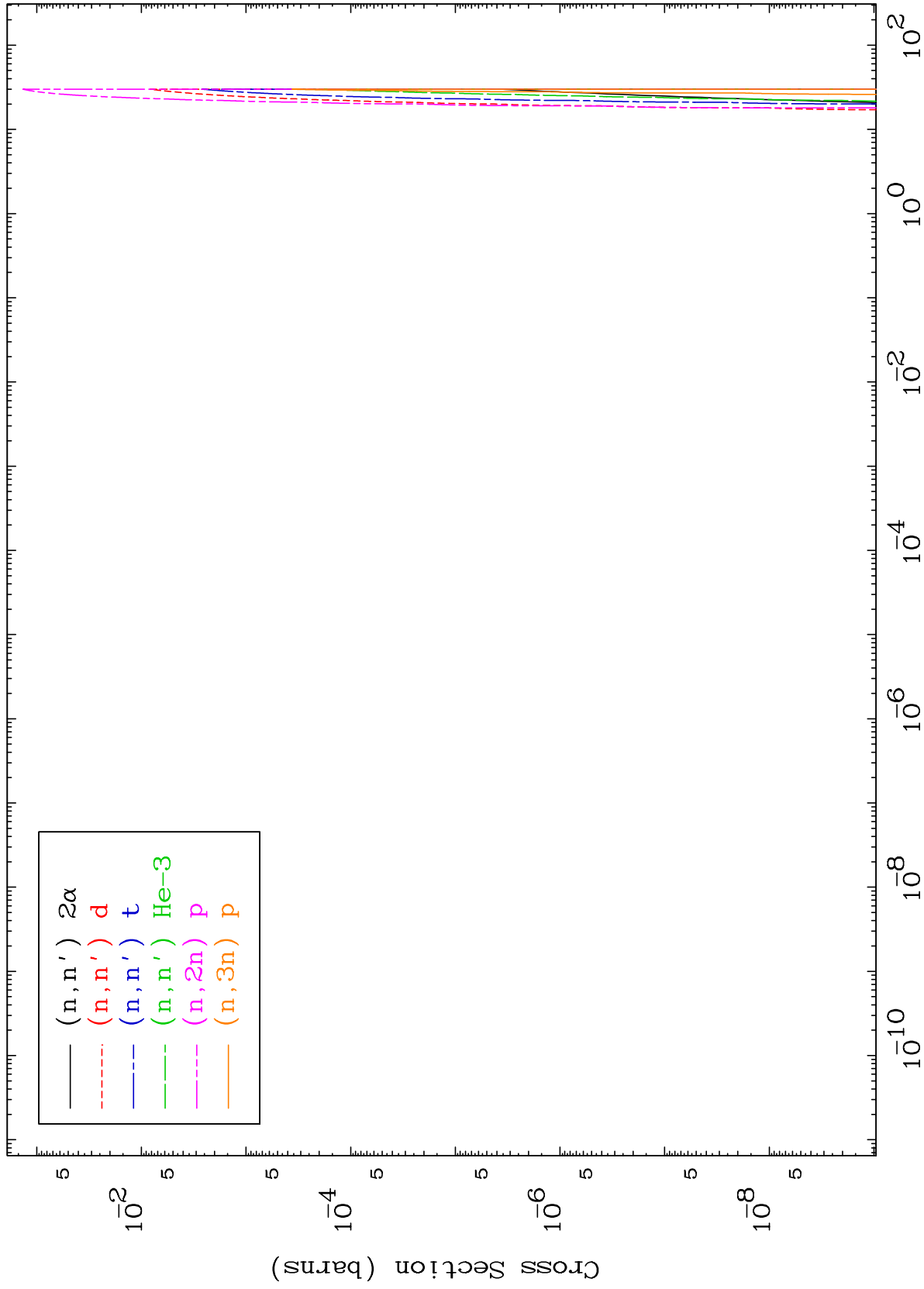
Incident Energy (MeV)

60-Nd-138

MAT 6013

Neutron Production
293 Kelvin Cross Sections

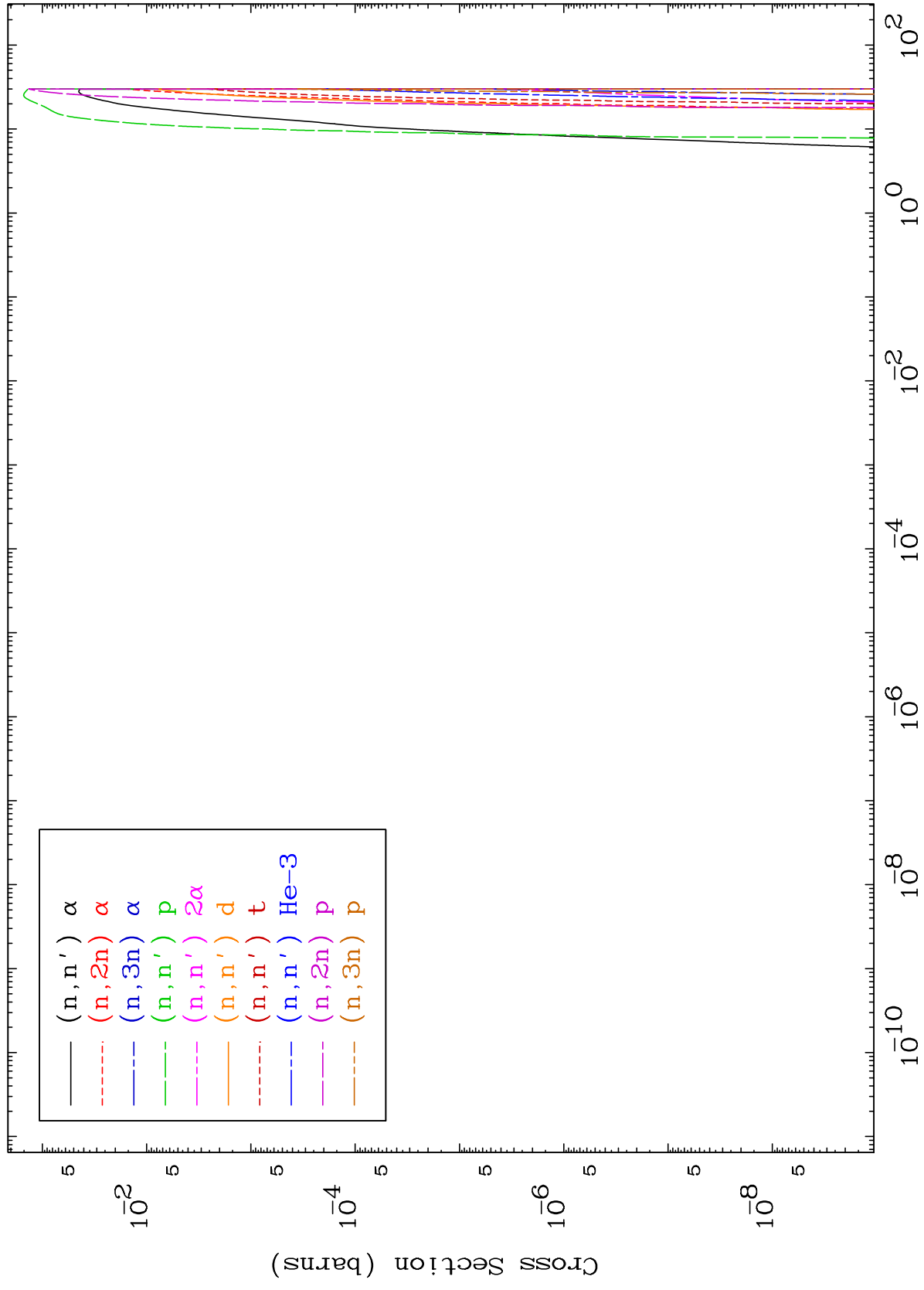
60-Nd-138



MAT 6013

Charged Particle
293 Kelvin Cross Sections

60-Nd-138

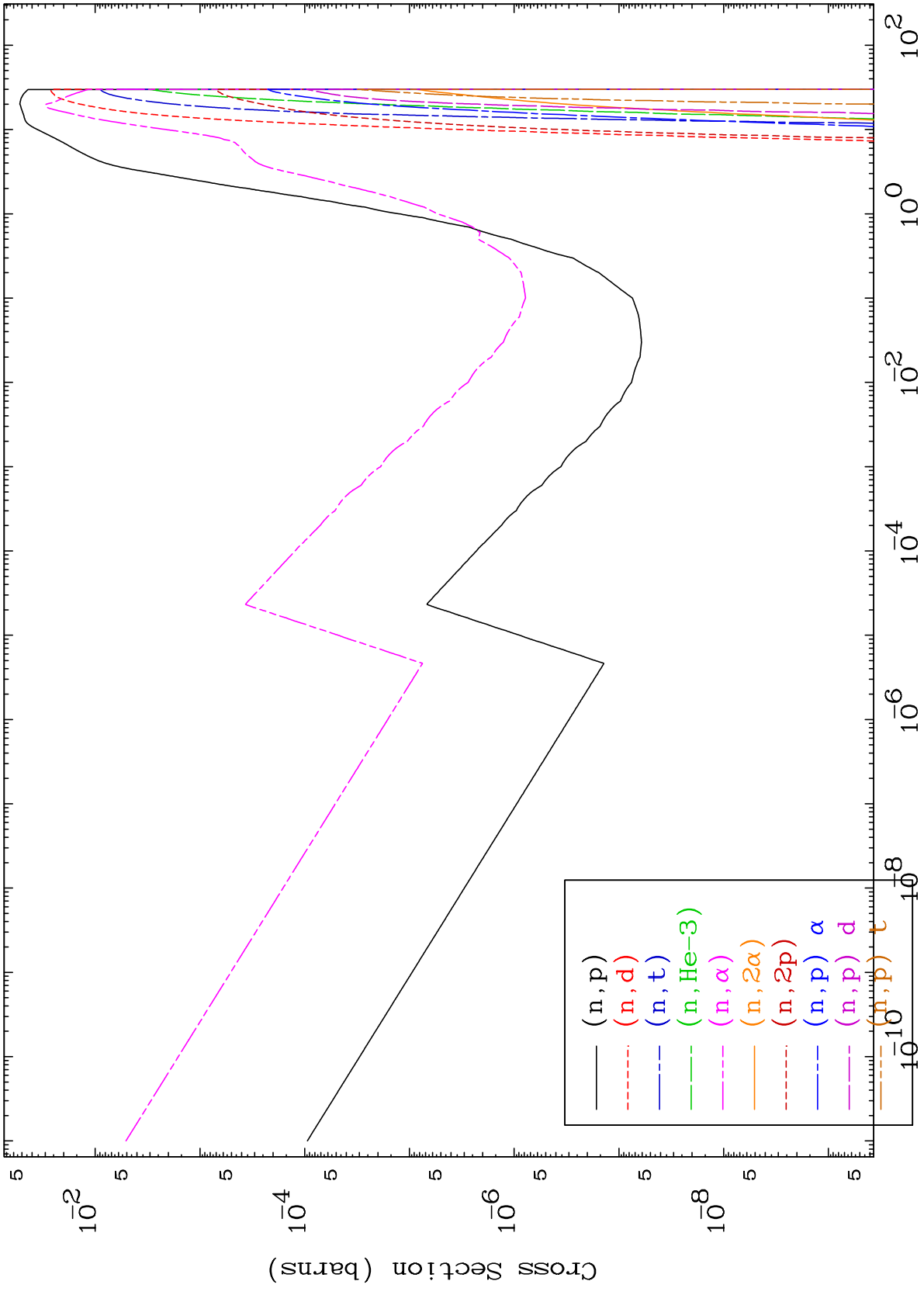


60-Nd-138

MAT 6013

Charged Particle
293 Kelvin Cross Sections

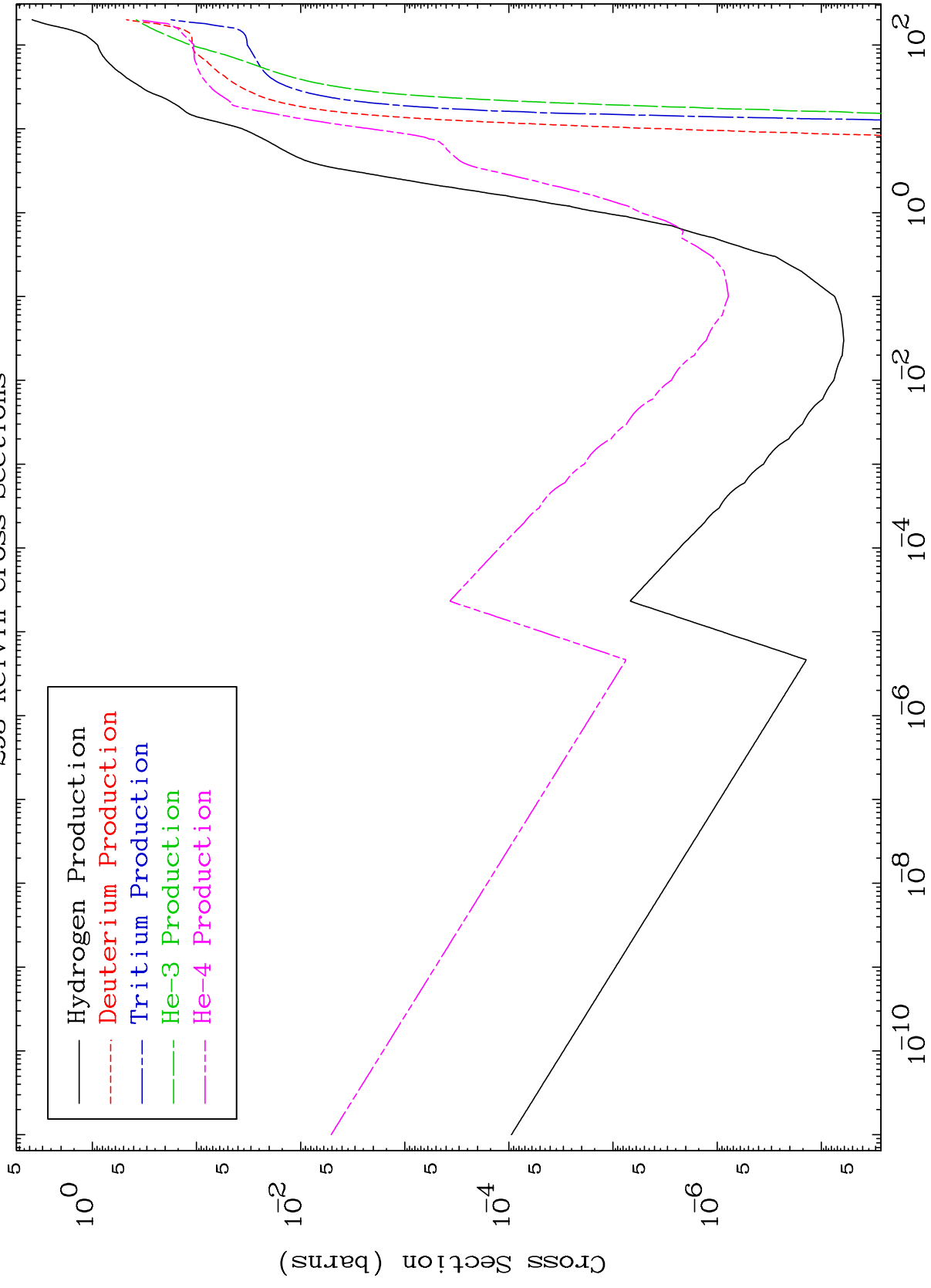
60-Nd-138



MAT 6013

Particle Production
293 Kelvin Cross Sections

60-Nd-138



6

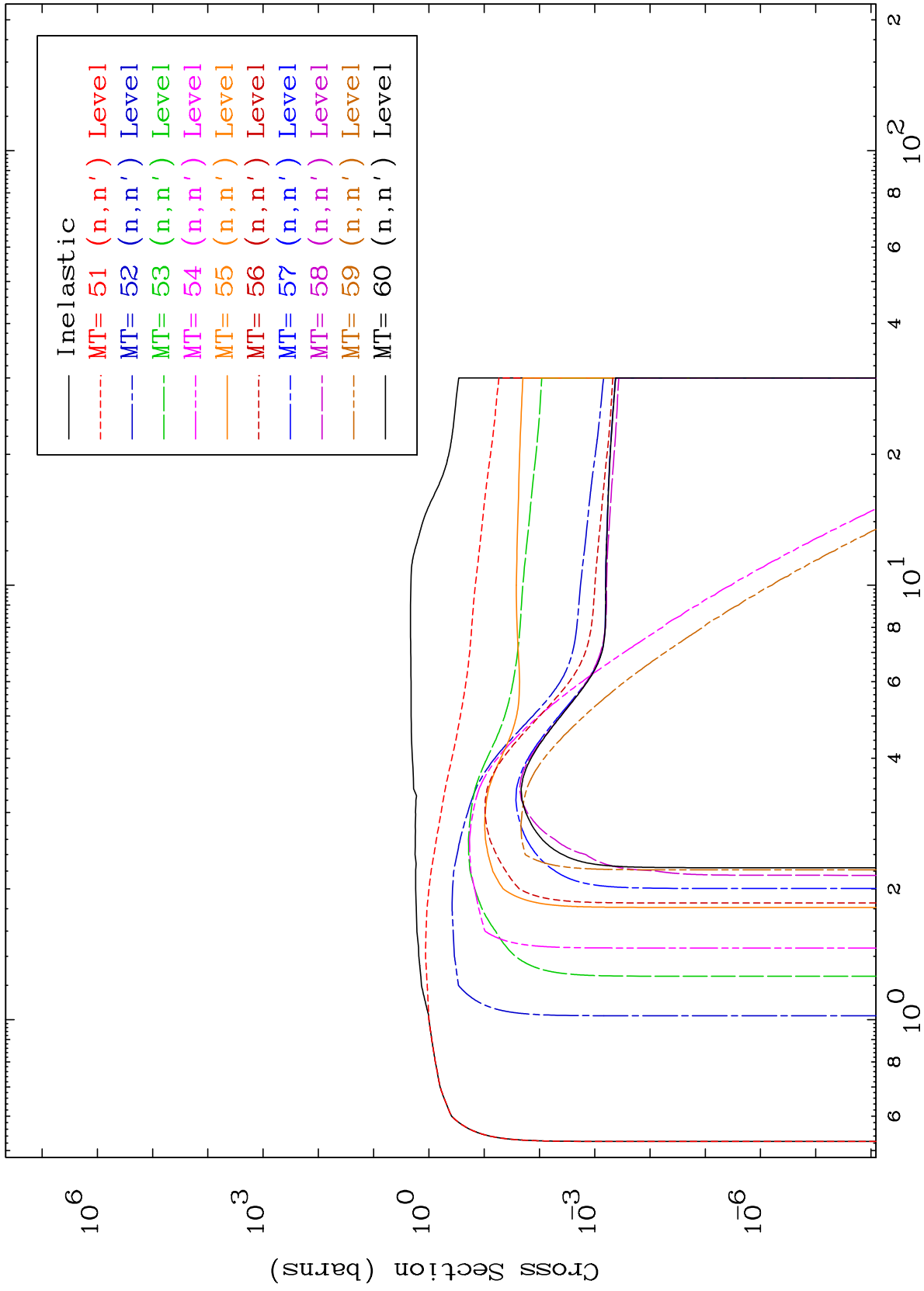
60-Nd-138

MAT 6013

(n,n') Level

60-Nd-138

293 Kelvin Cross Sections



7

Incident Energy (MeV)

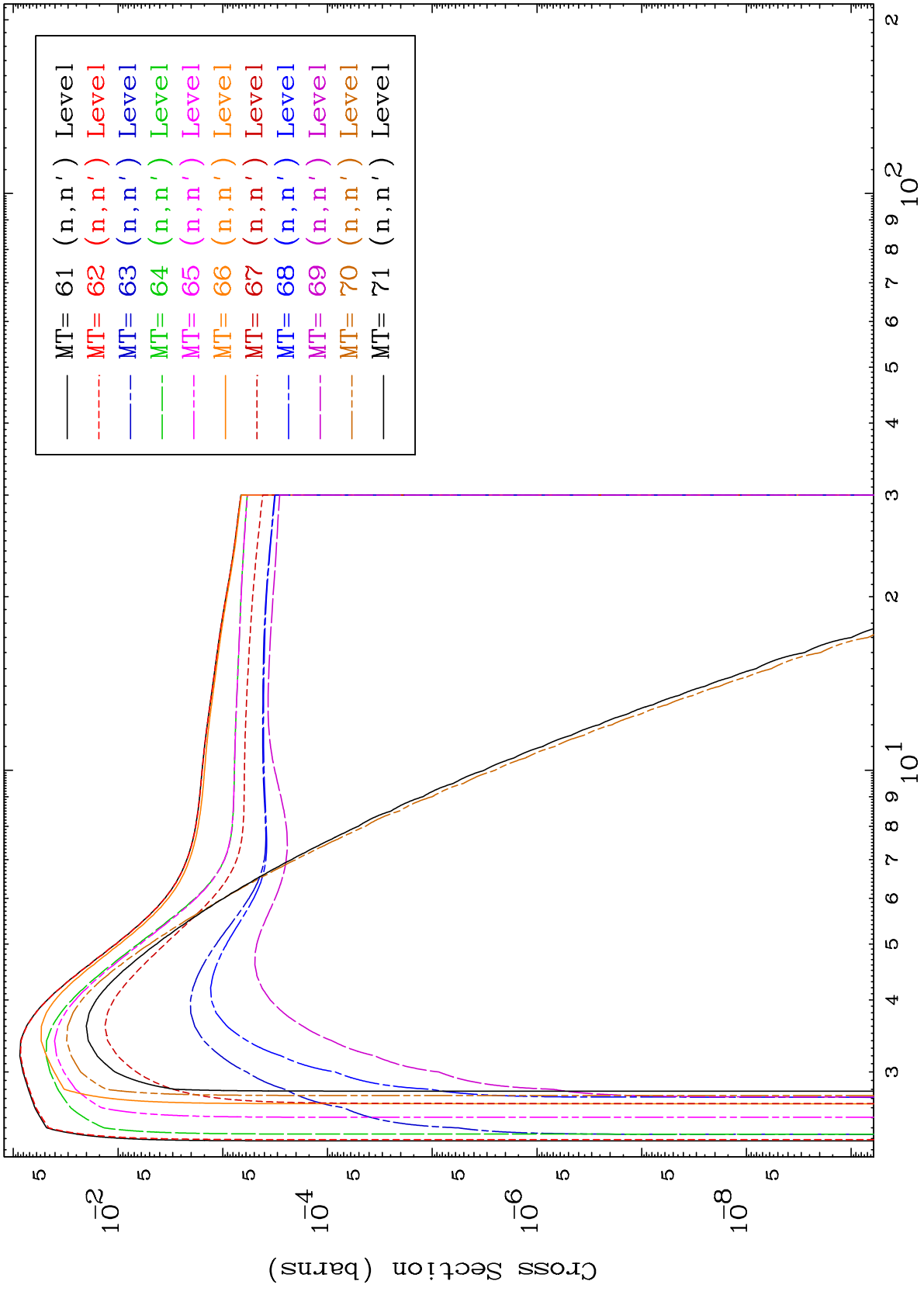
60-Nd-138

MAT 6013

(n,n') Level

60-Nd-138

293 Kelvin Cross Sections



8

Incident Energy (MeV)

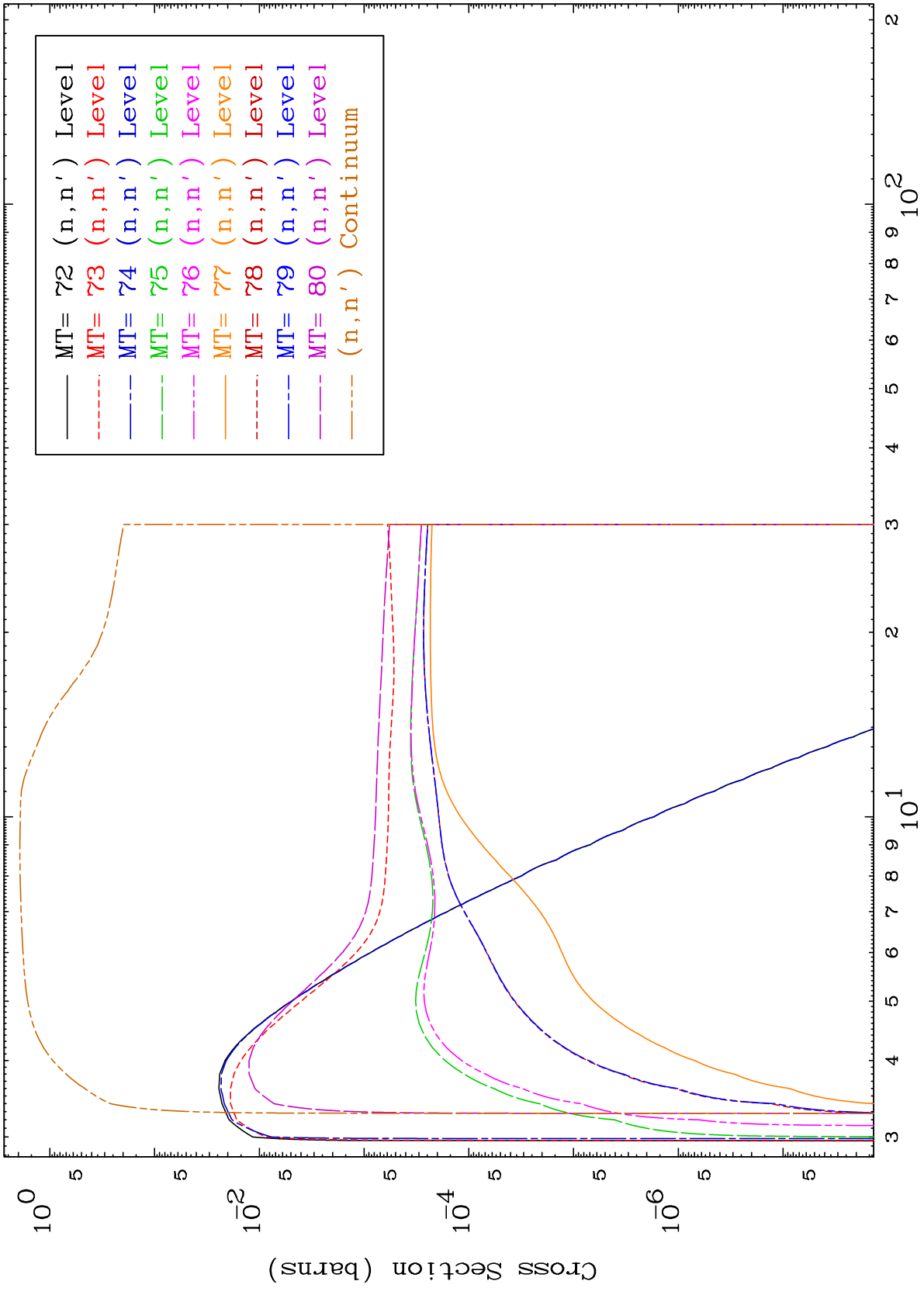
60-Nd-138

MAT 6013

(n,n') Level

60-Nd-138

293 Kelvin Cross Sections



9

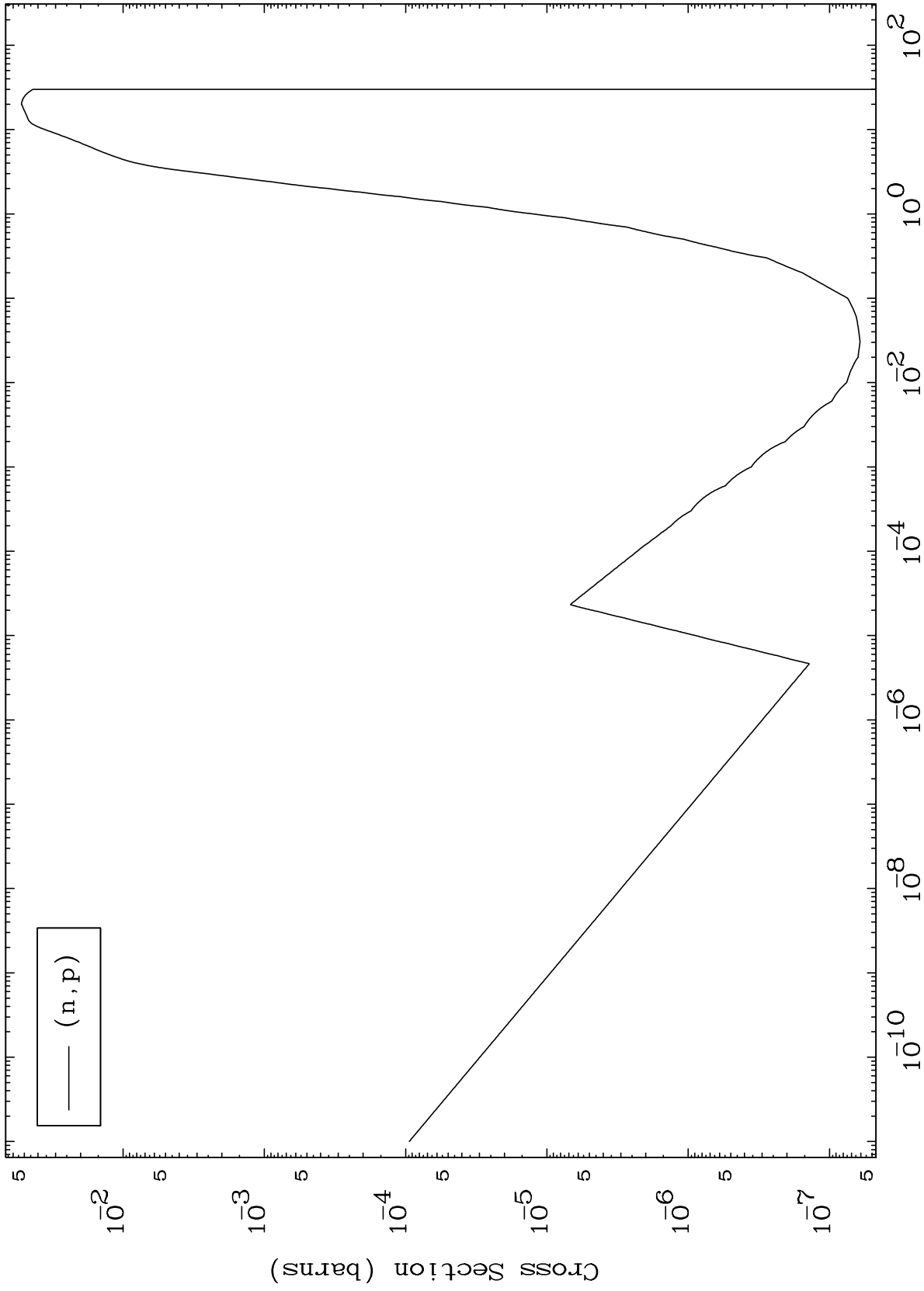
Incident Energy (MeV)

60-Nd-138

MAT 6013

(n,p) Levels
293 Kelvin Cross Sections

60-Nd-138



10

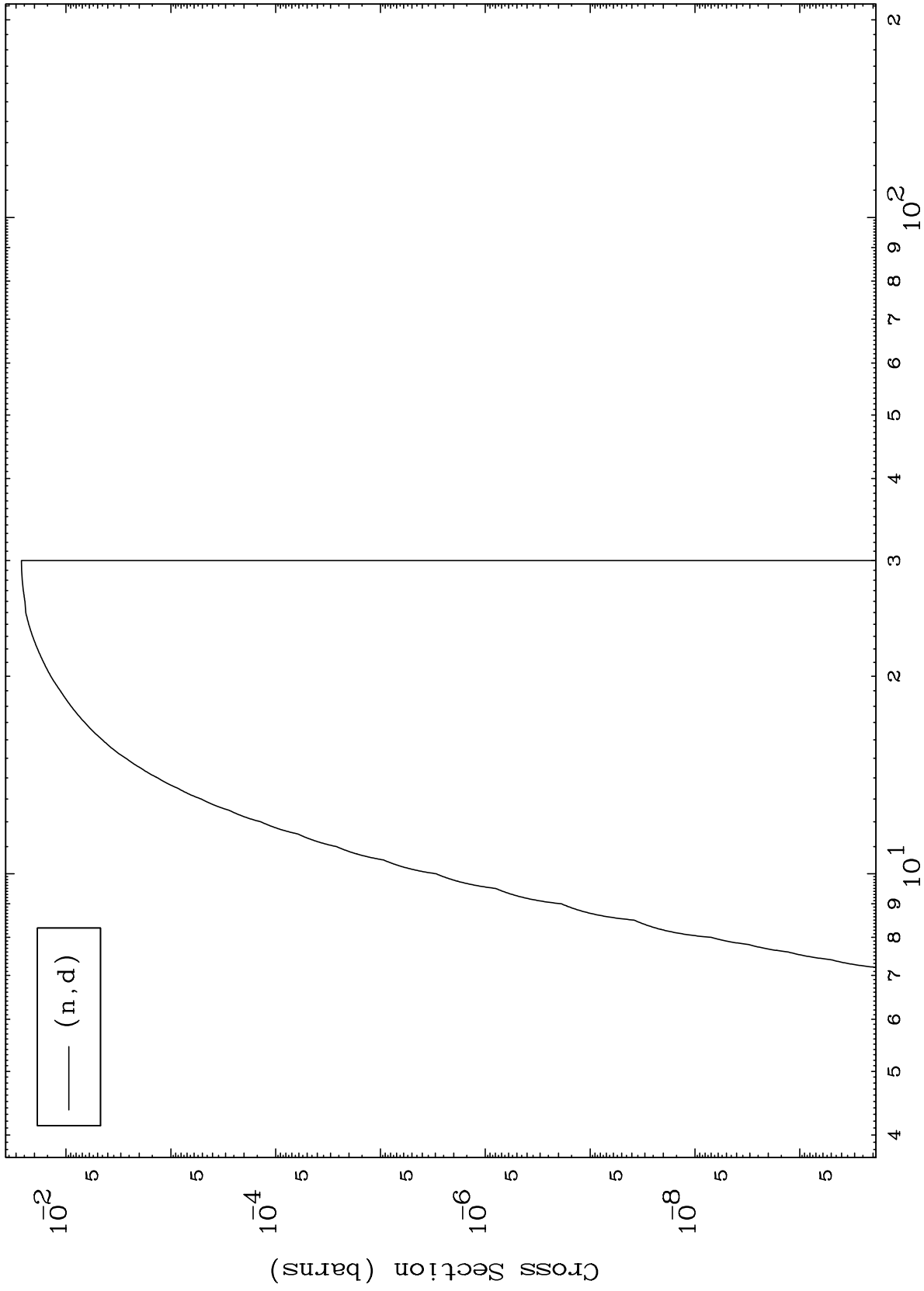
Incident Energy (MeV)

60-Nd-138

MAT 6013

(n,d) Levels
293 Kelvin Cross Sections

60-Nd-138



11

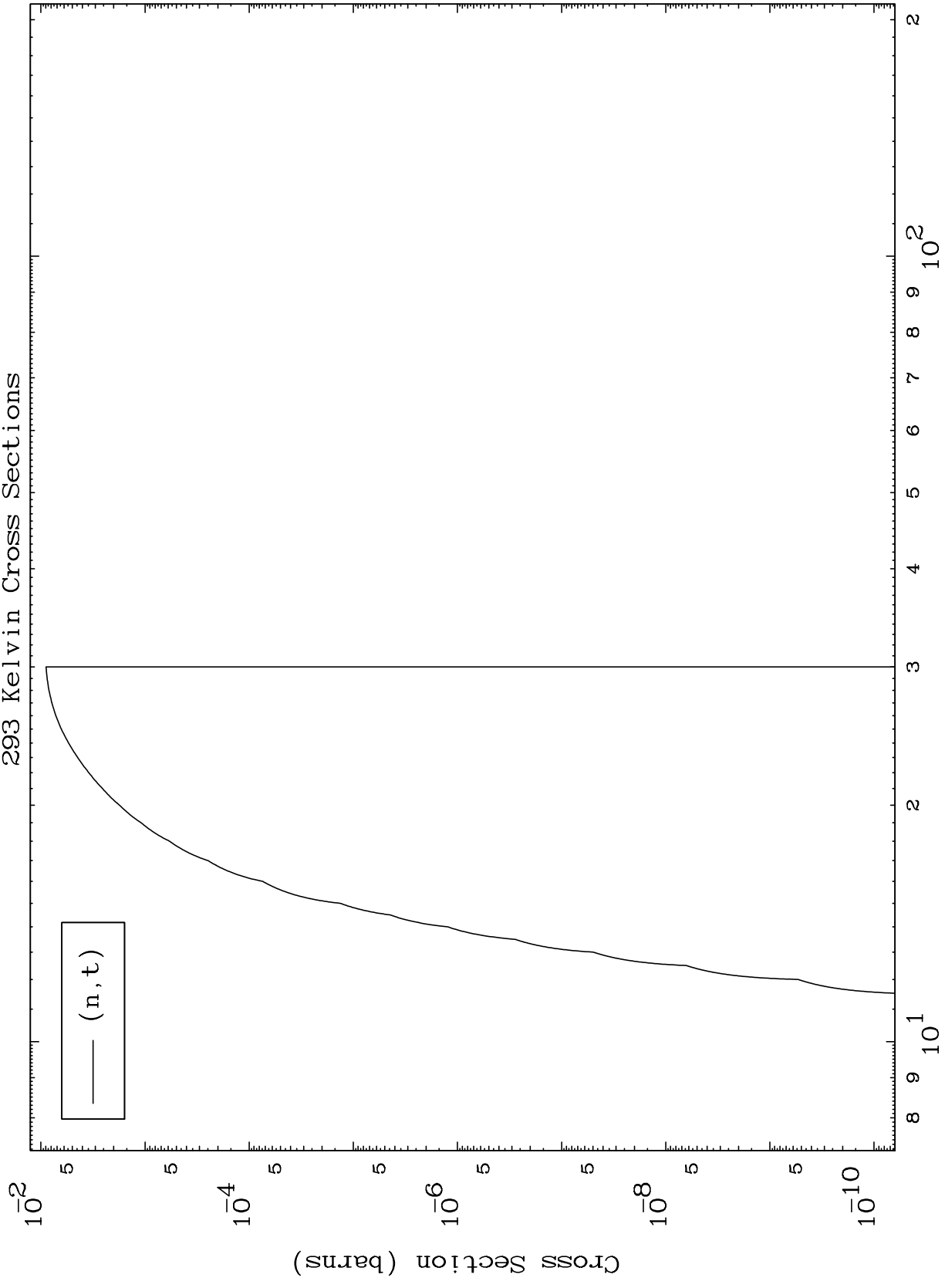
Incident Energy (MeV)

60-Nd-138

MAT 6013

(n,t) Levels
293 Kelvin Cross Sections

60-Nd-138



12

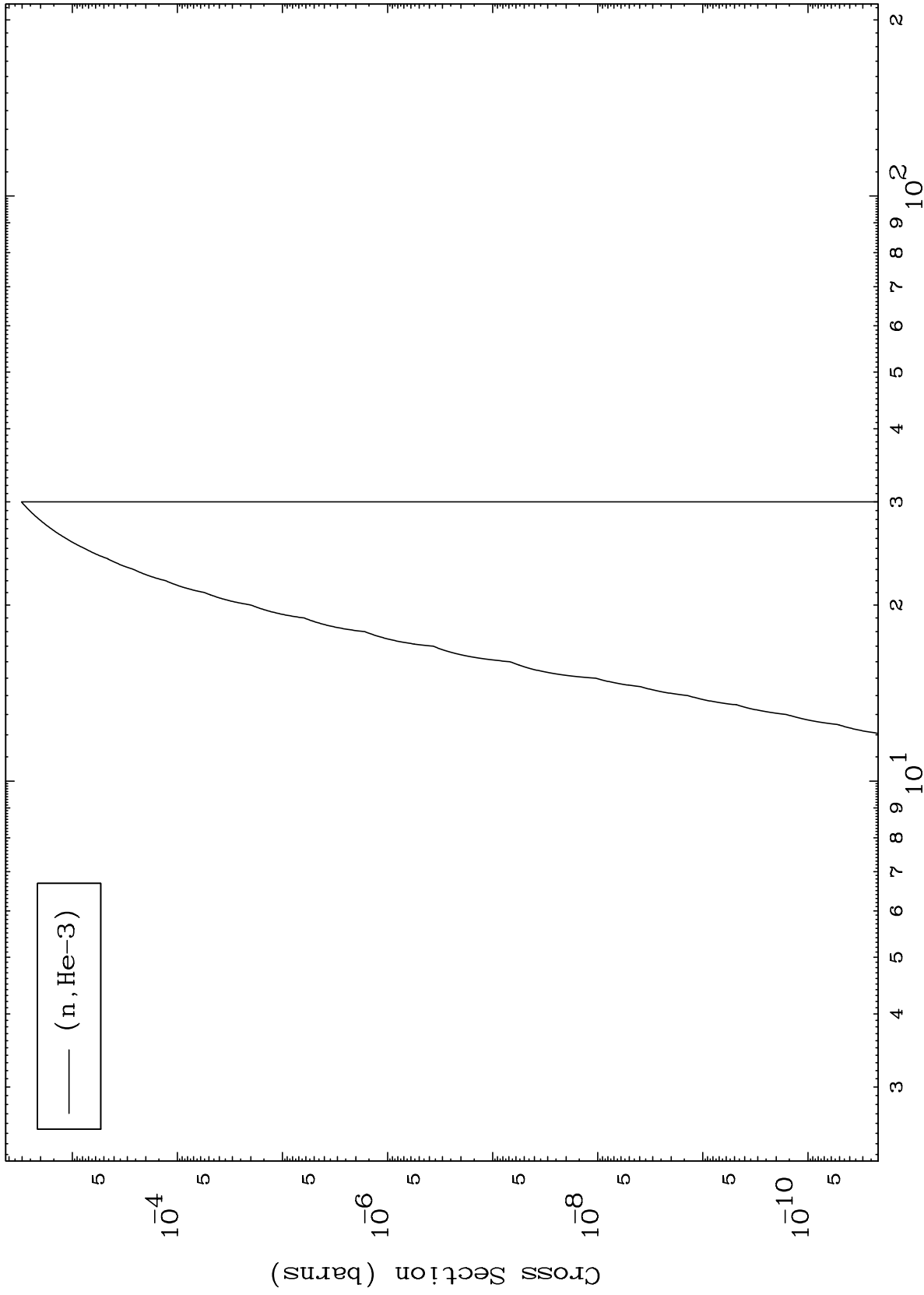
Incident Energy (MeV)

60-Nd-138

MAT 6013

(n,He3) Levels
293 Kelvin Cross Sections

60-Nd-138



13

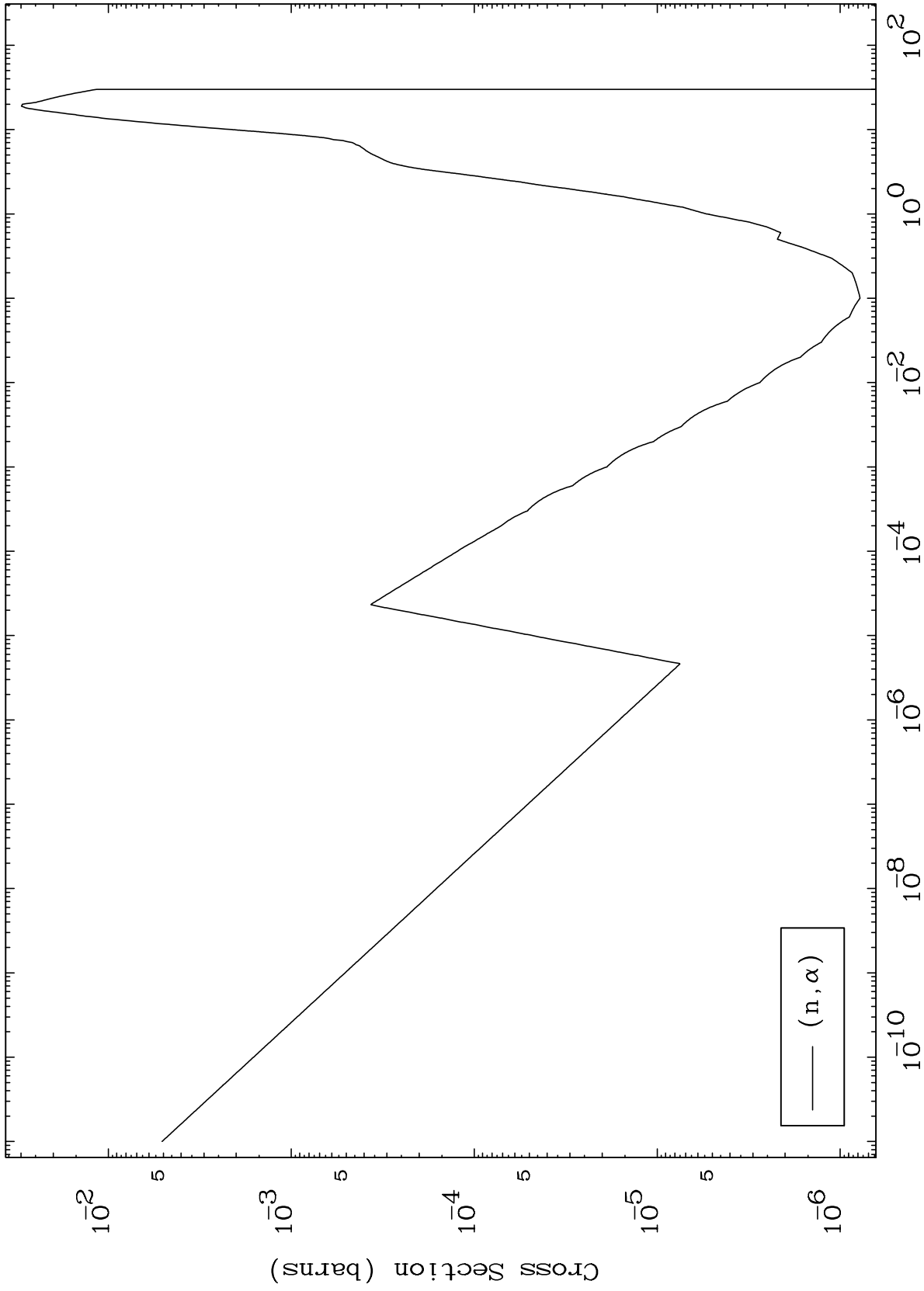
Incident Energy (MeV)

60-Nd-138

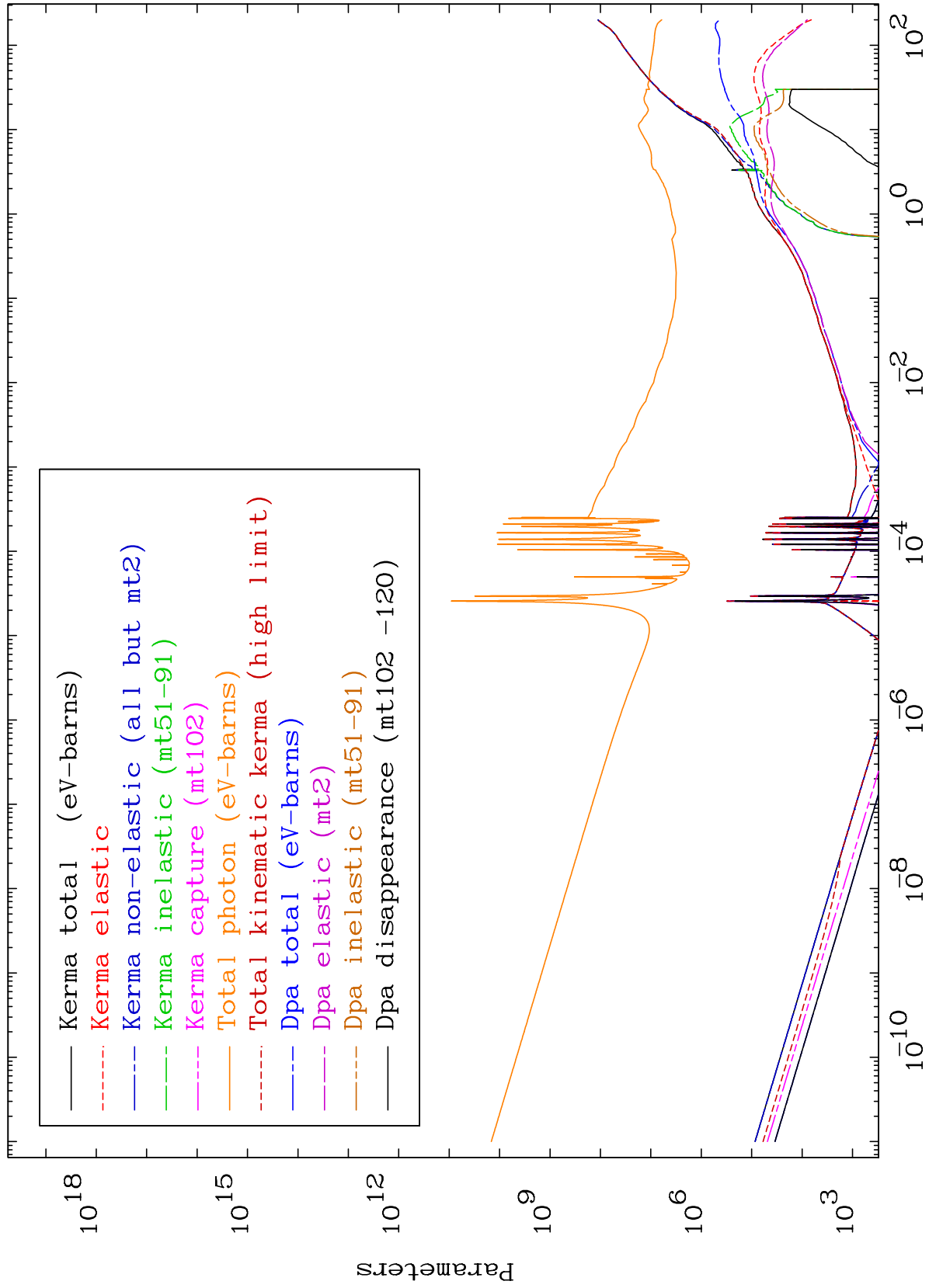
MAT 6013

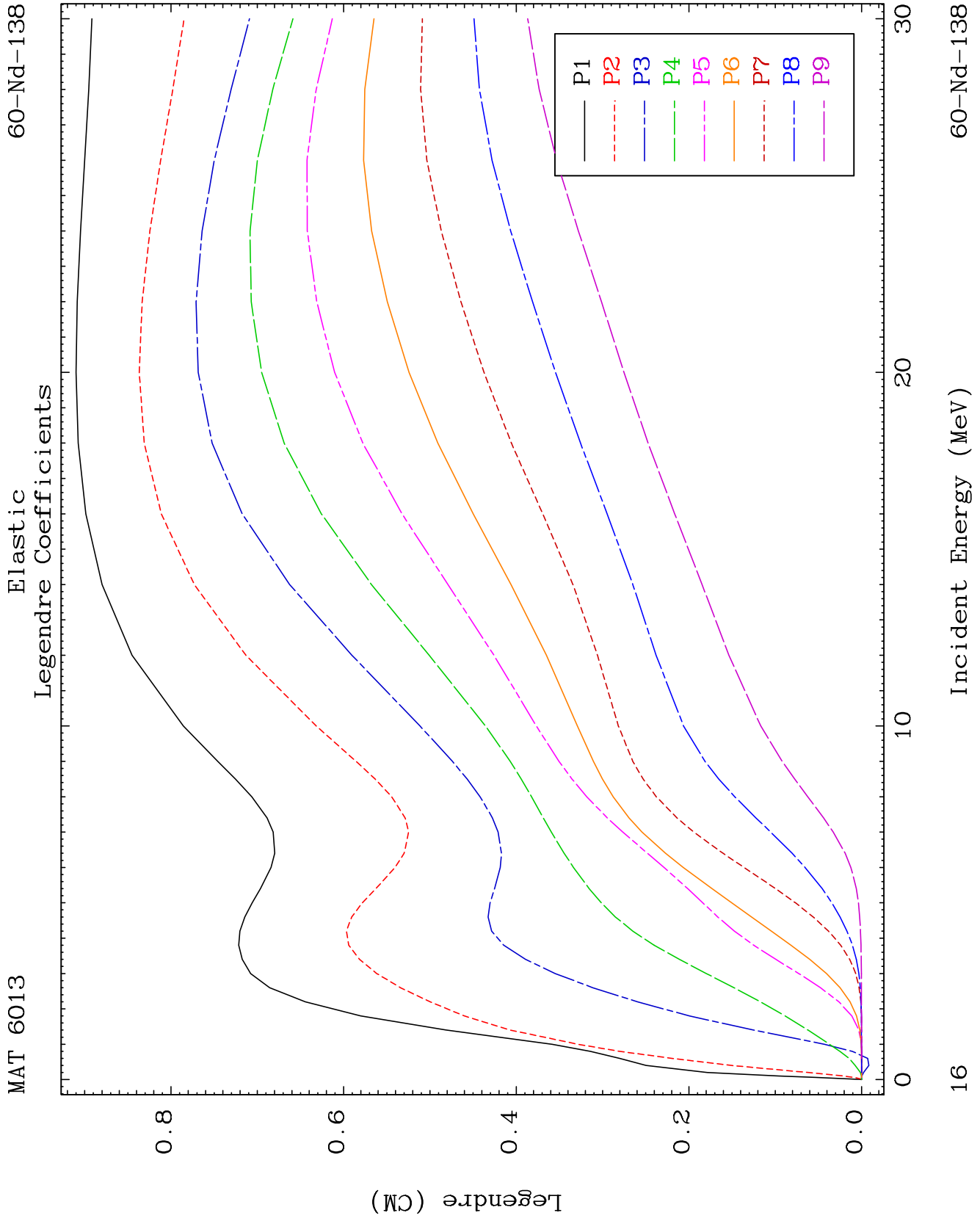
(n,α) Levels
293 Kelvin Cross Sections

60-Nd-138



— (n,α)

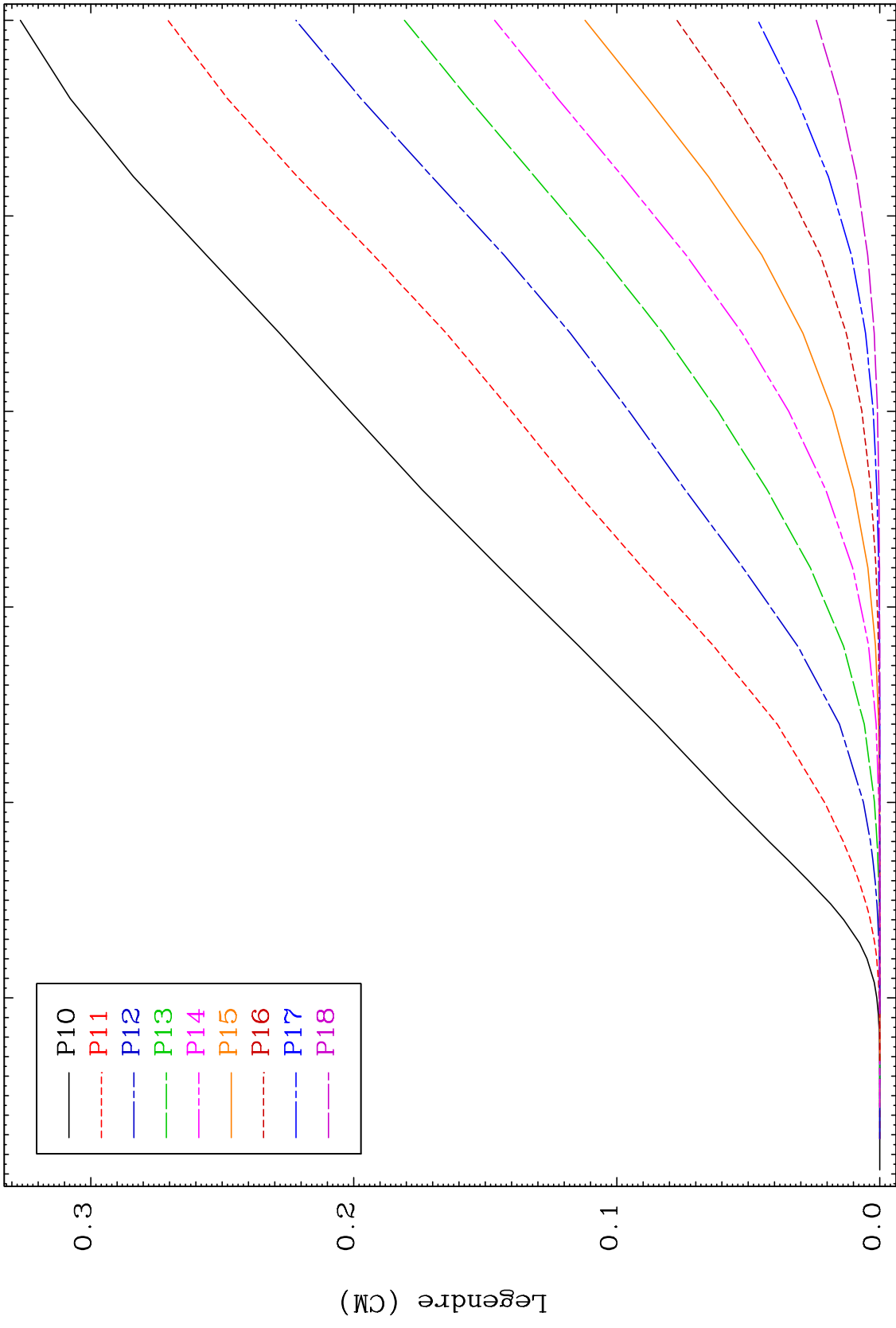




MAT 6013

Elastic
Legendre Coefficients

60-Nd-138



17

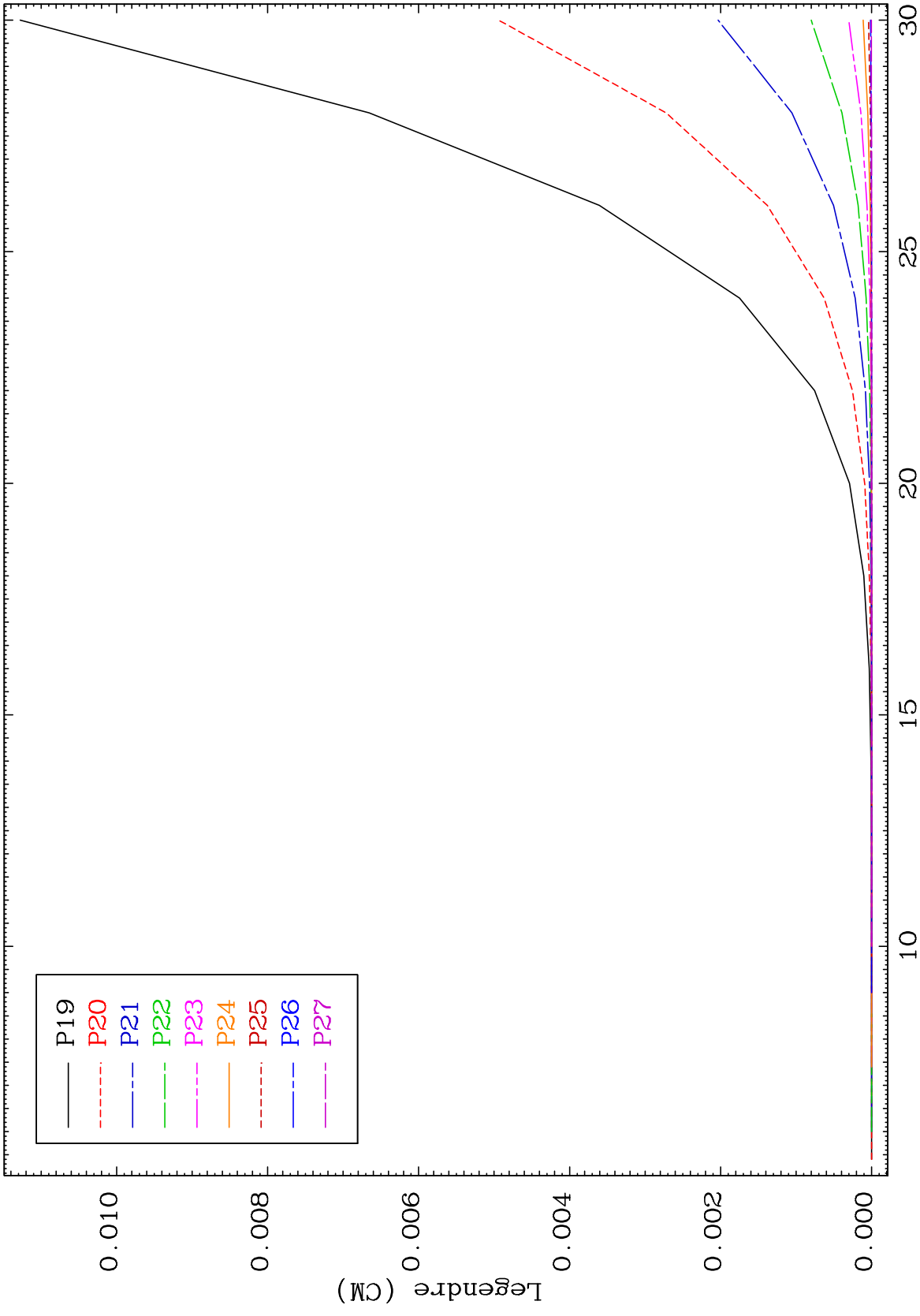
Incident Energy (MeV)

60-Nd-138

MAT 6013

Elastic Legendre Coefficients

60-Nd-138



18

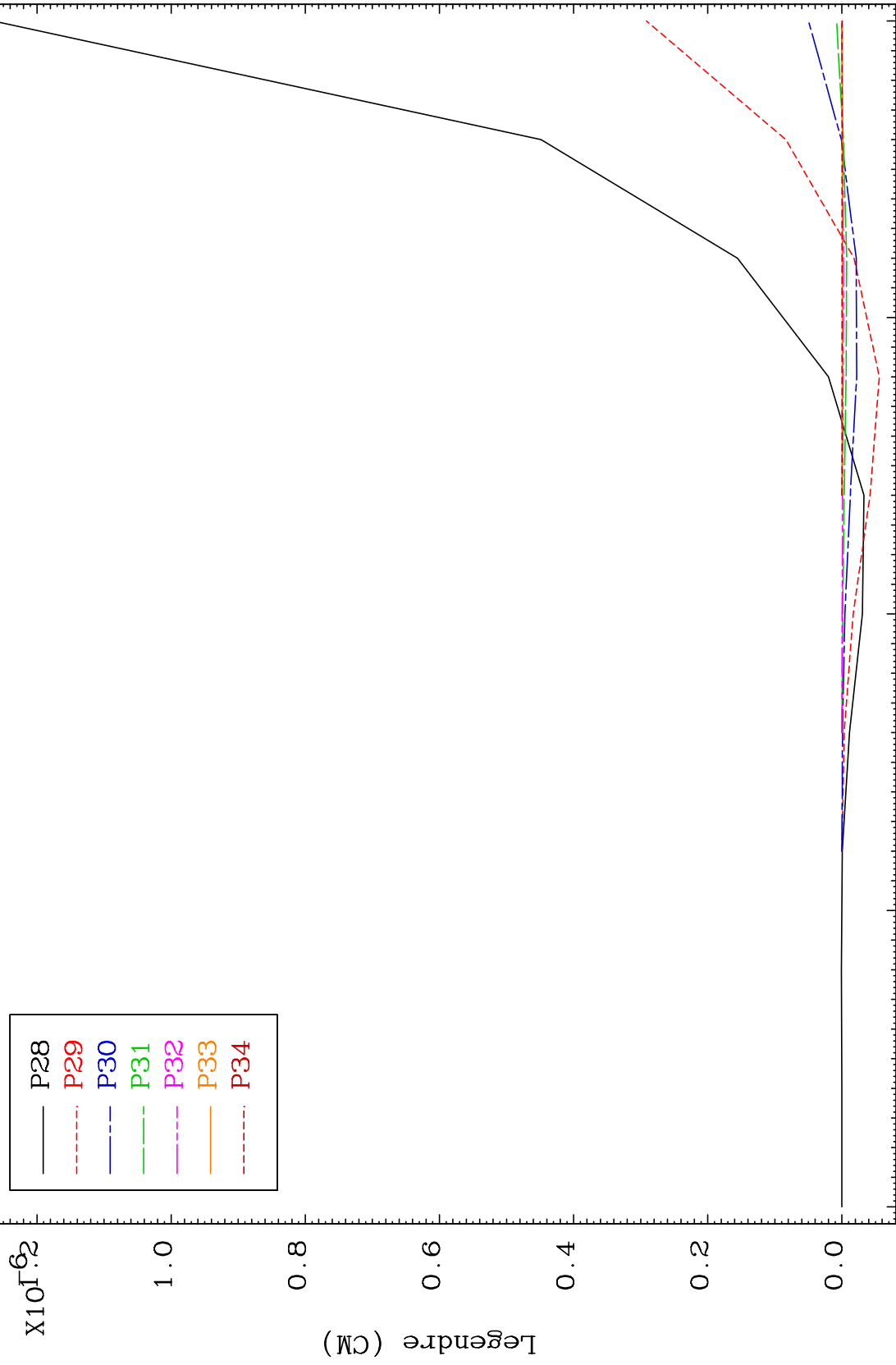
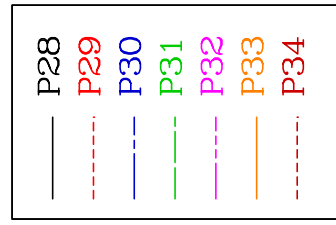
Incident Energy (MeV)

60-Nd-138

MAT 6013

Elastic Legendre Coefficients

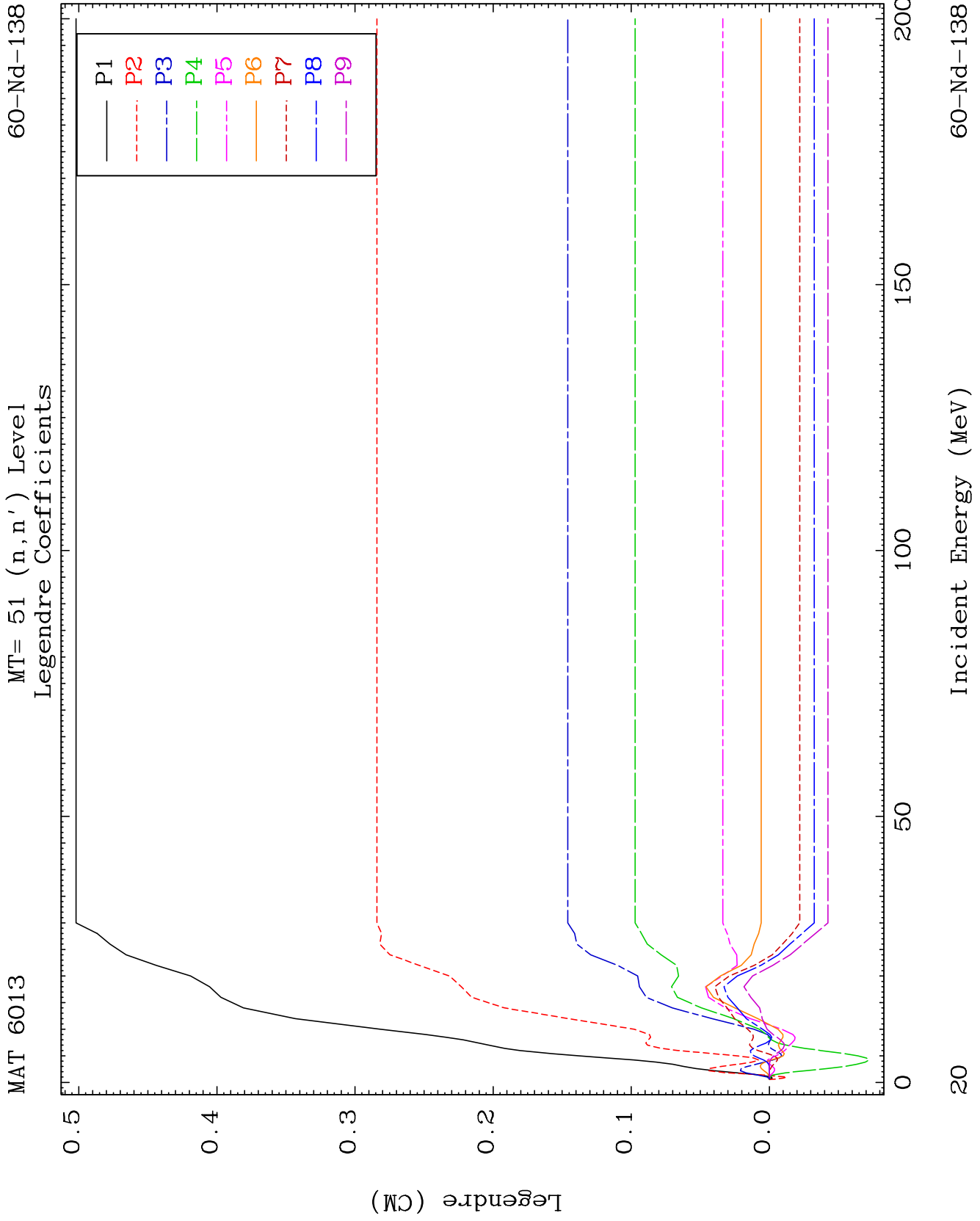
60-Nd-138



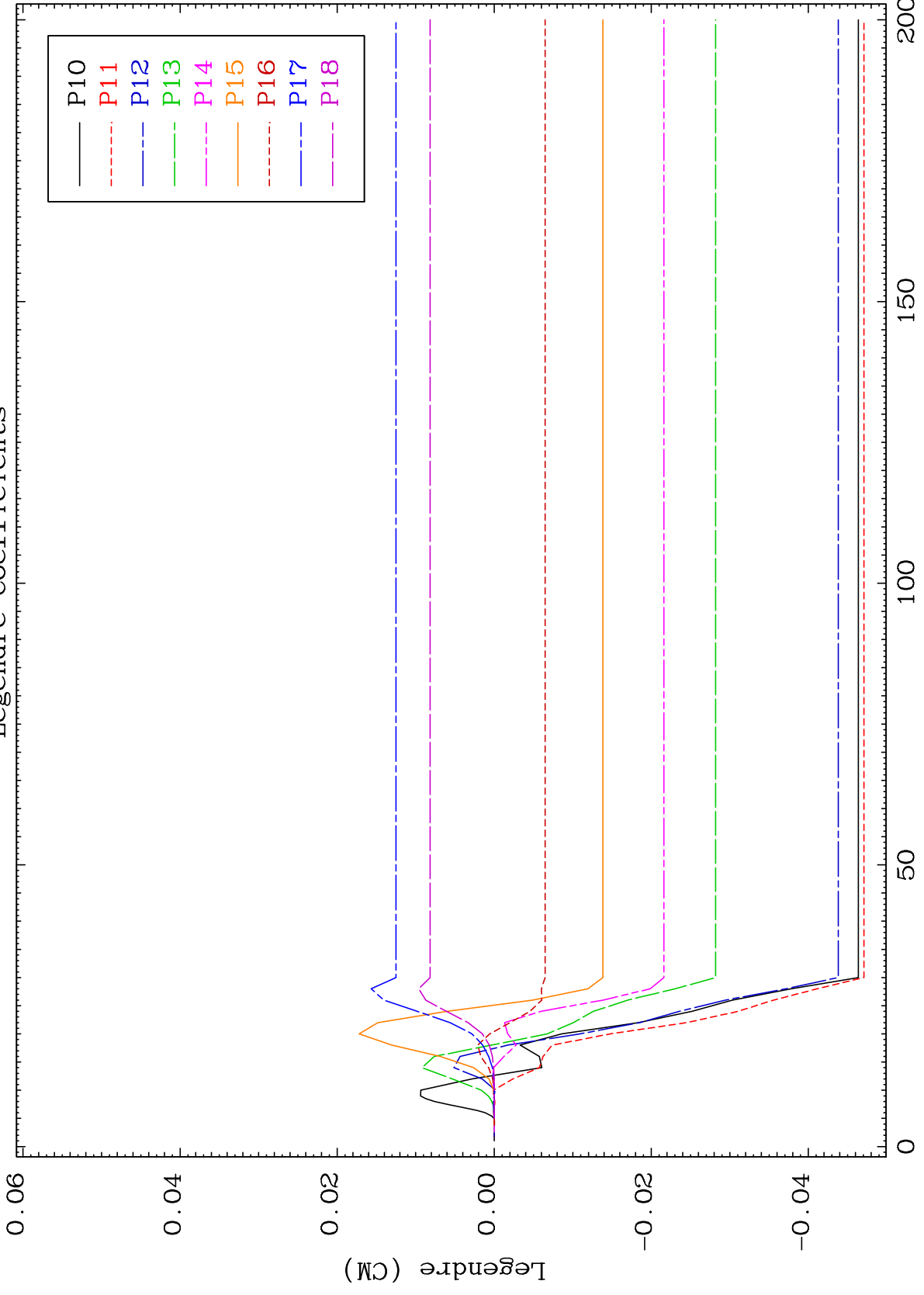
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Incident Energy (MeV)

60-Nd-138



MAT 6013 MT= 51 (n,n') Level Legendre Coefficients 60-Nd-138

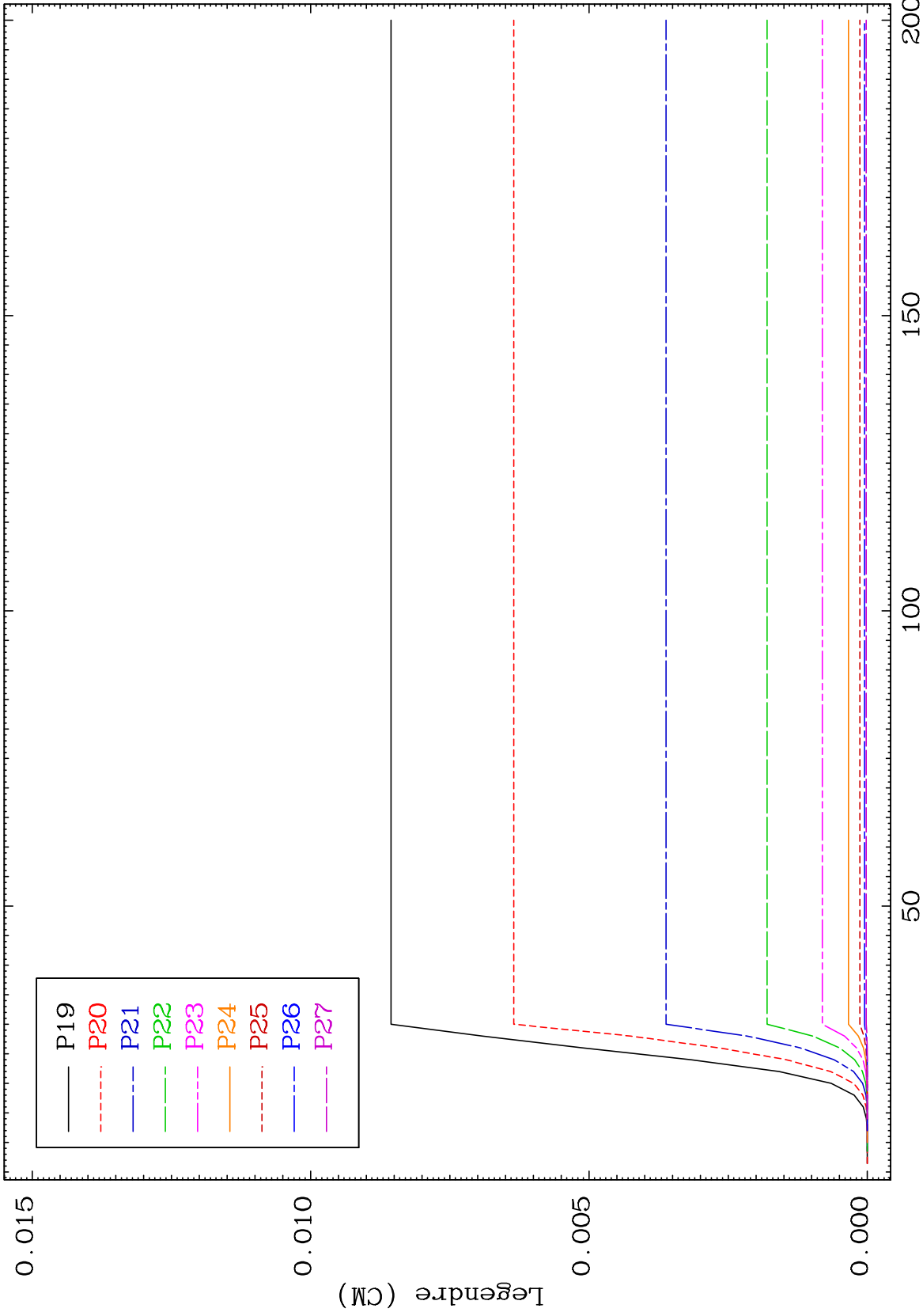


21 60-Nd-138

MAT 6013

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

60-Nd-138



22

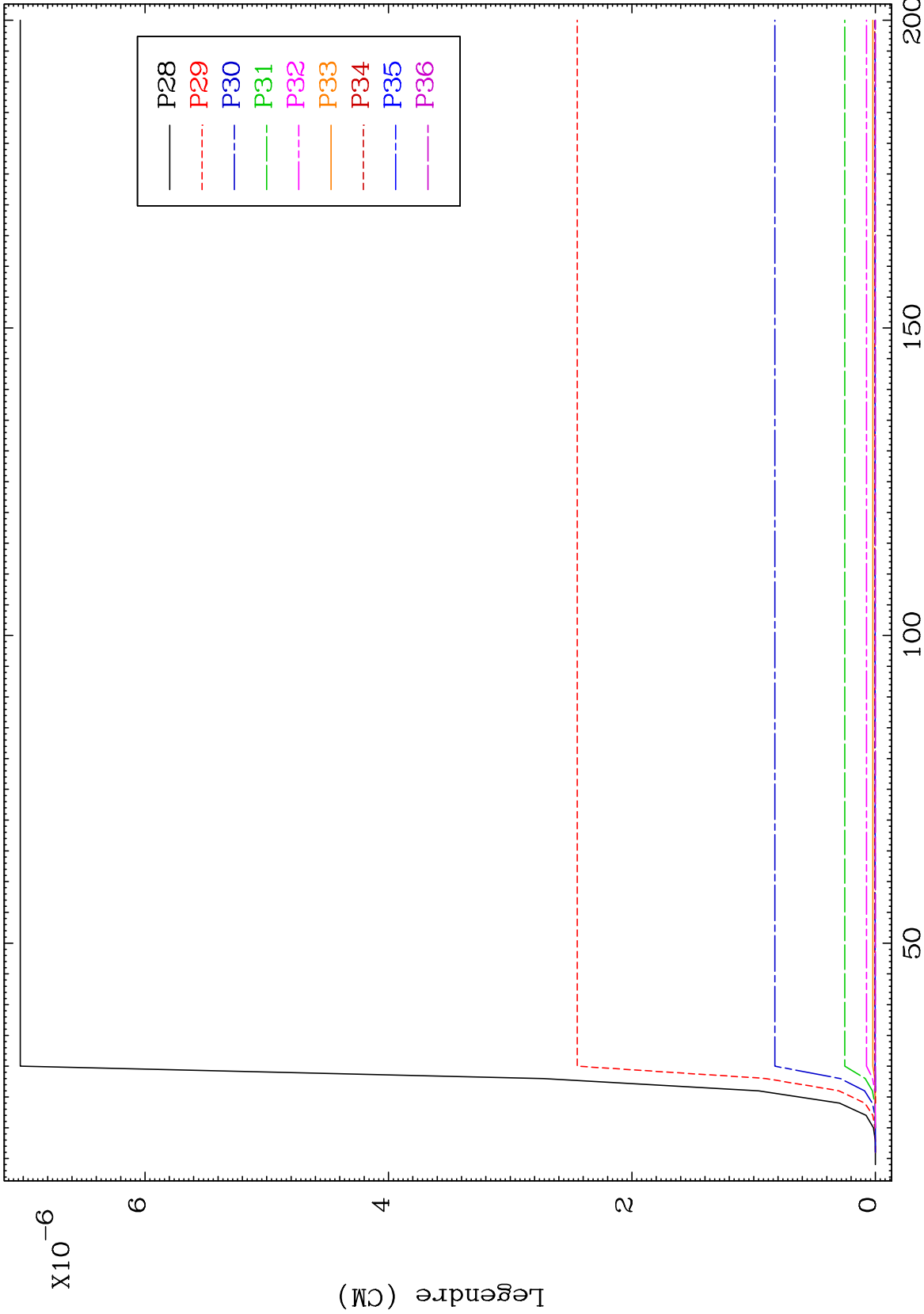
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

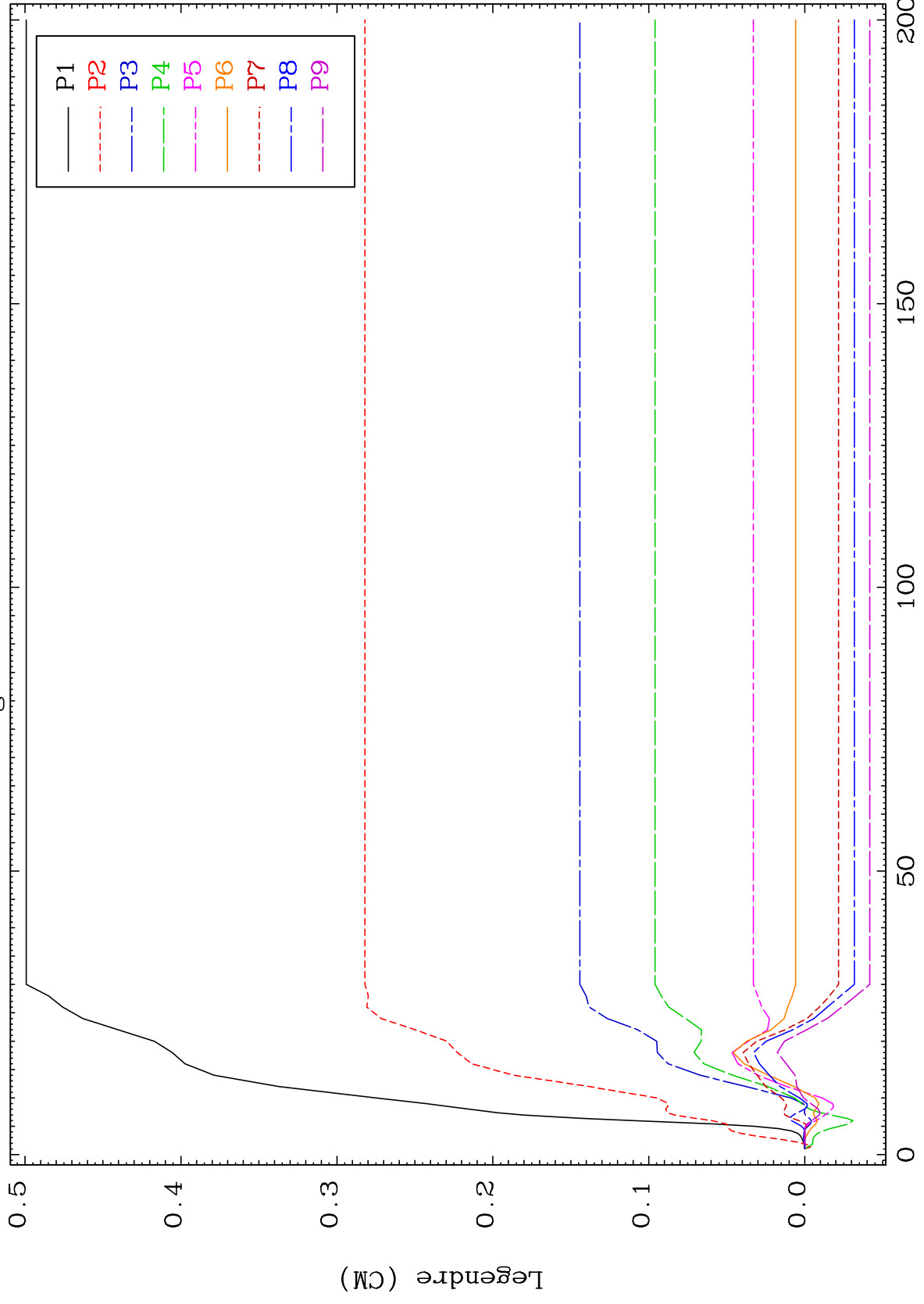
60-Nd-138



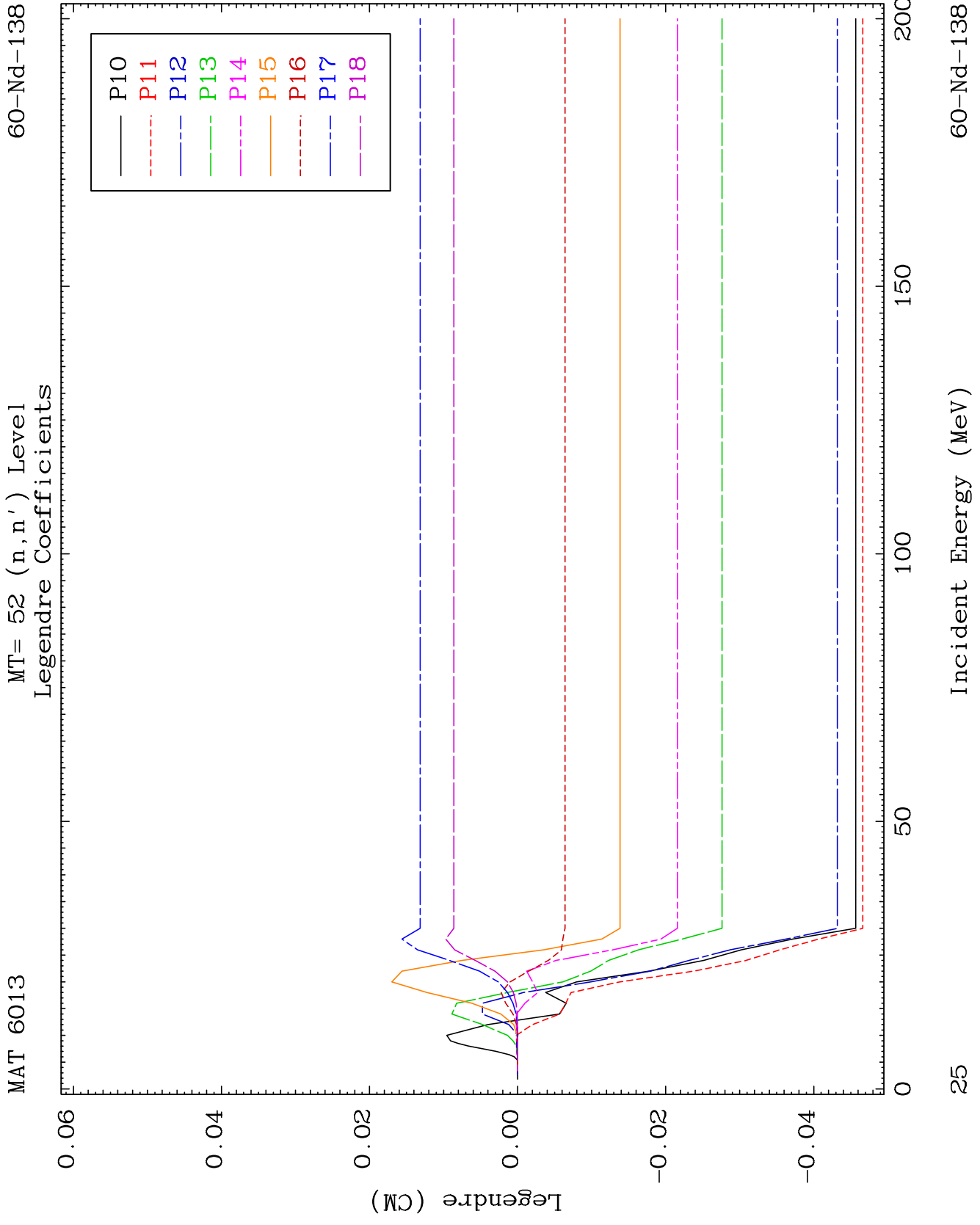
23

60-Nd-138

MAT 6013 MT= 52 (n,n') Level Legendre Coefficients 60-Nd-138



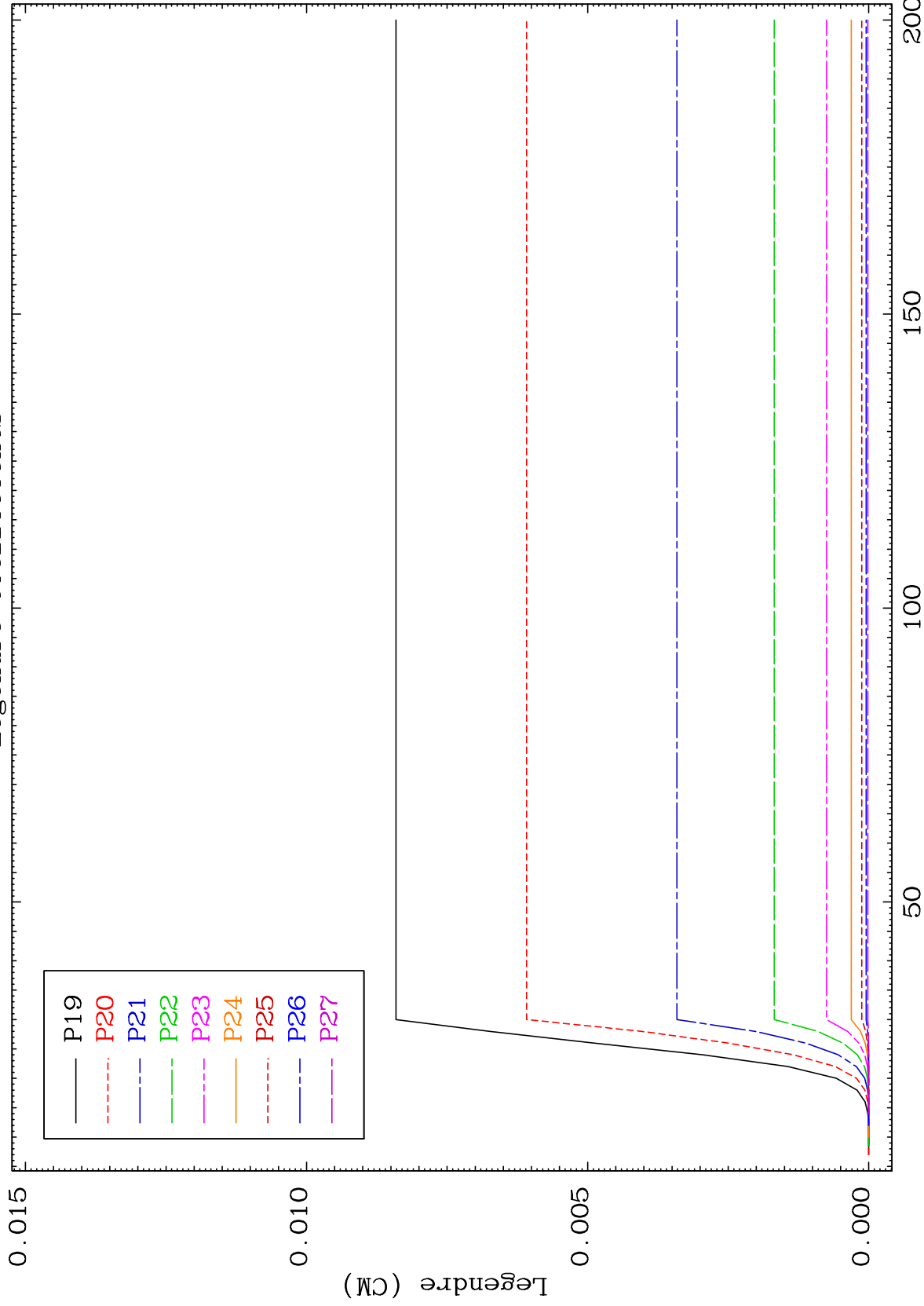
24 Incident Energy (MeV) 60-Nd-138



MAT 6013

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

60-Nd-138



26

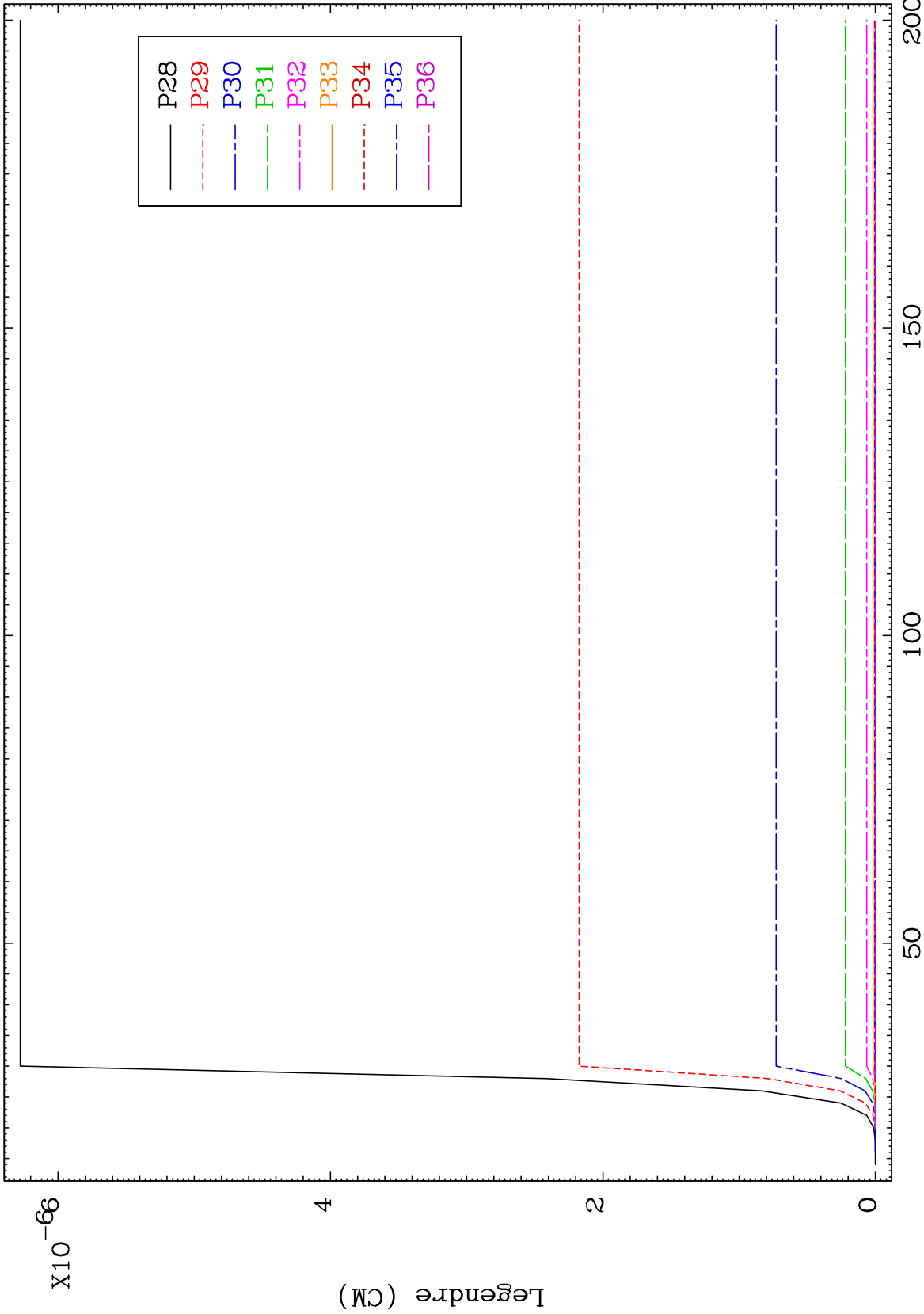
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

60-Nd-138



27

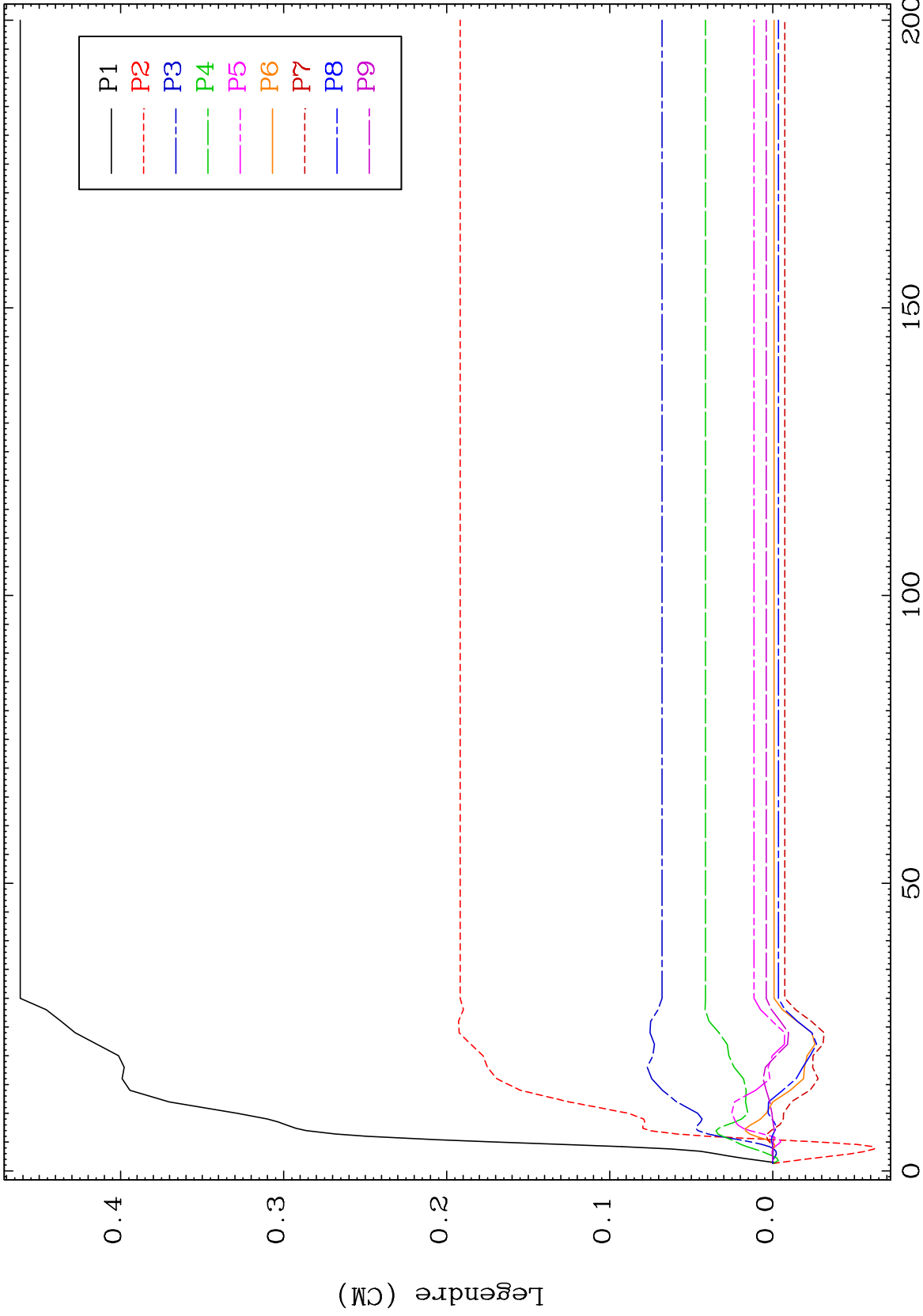
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

60-Nd-138



28

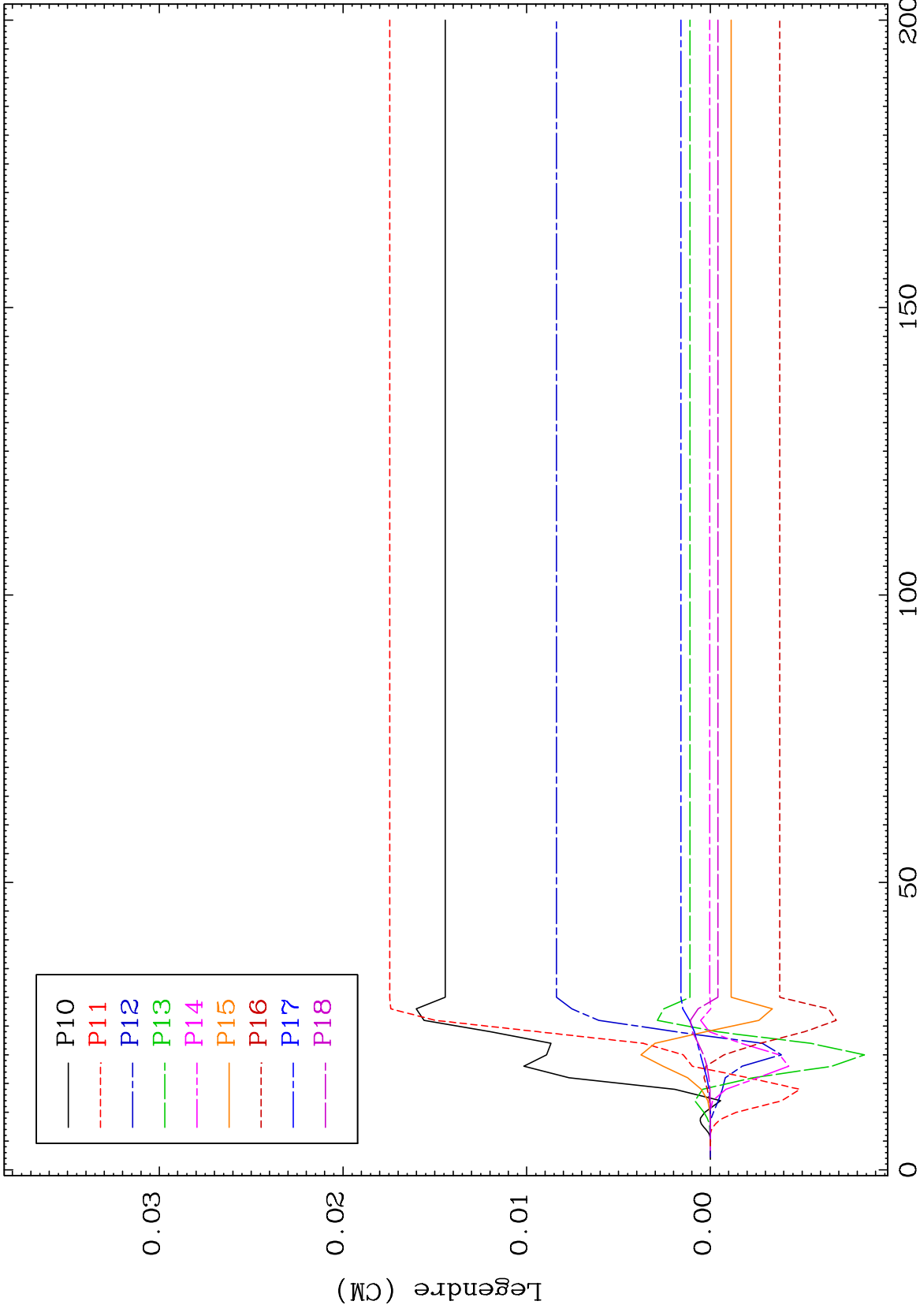
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

60-Nd-138



29

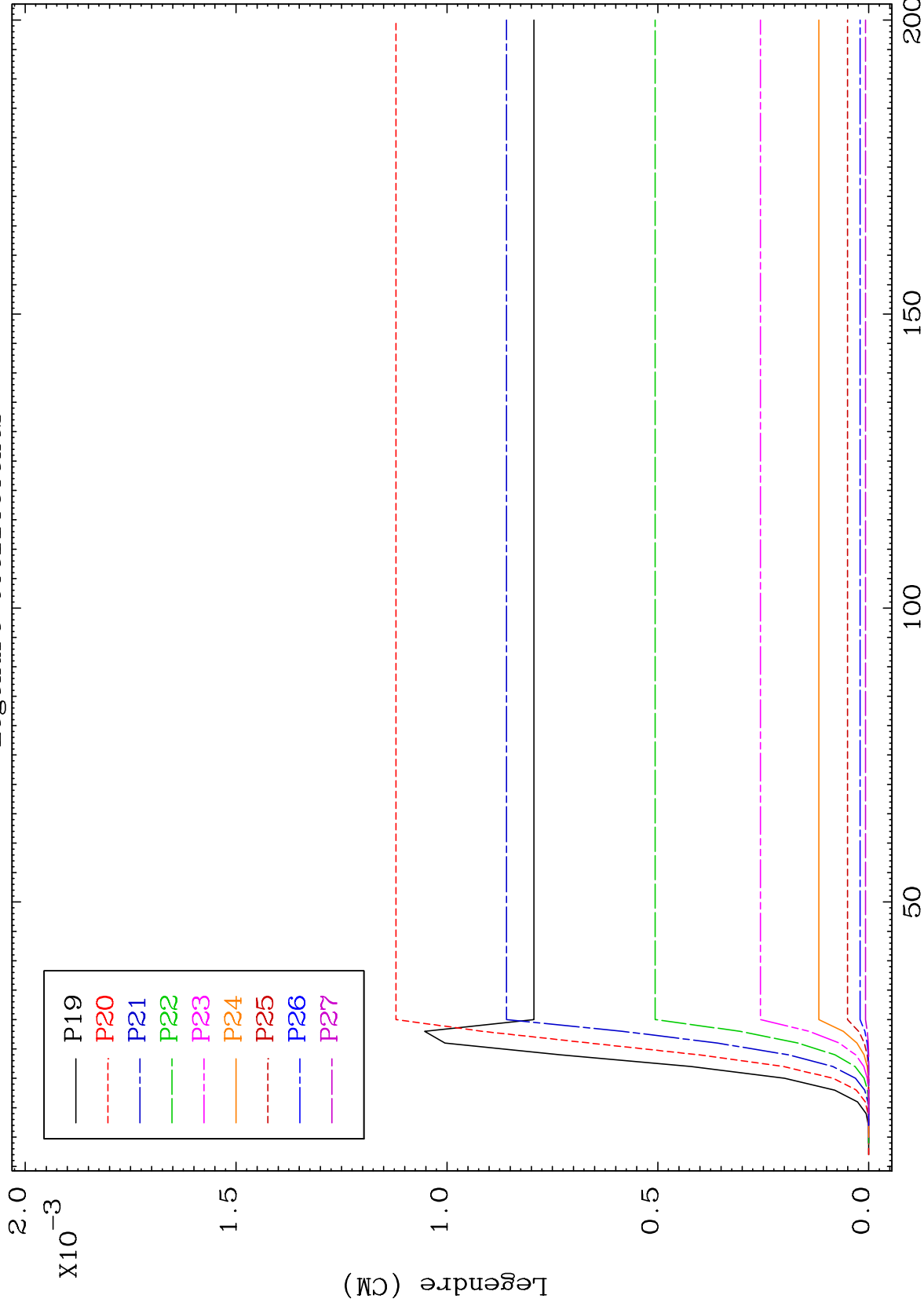
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

60-Nd-138

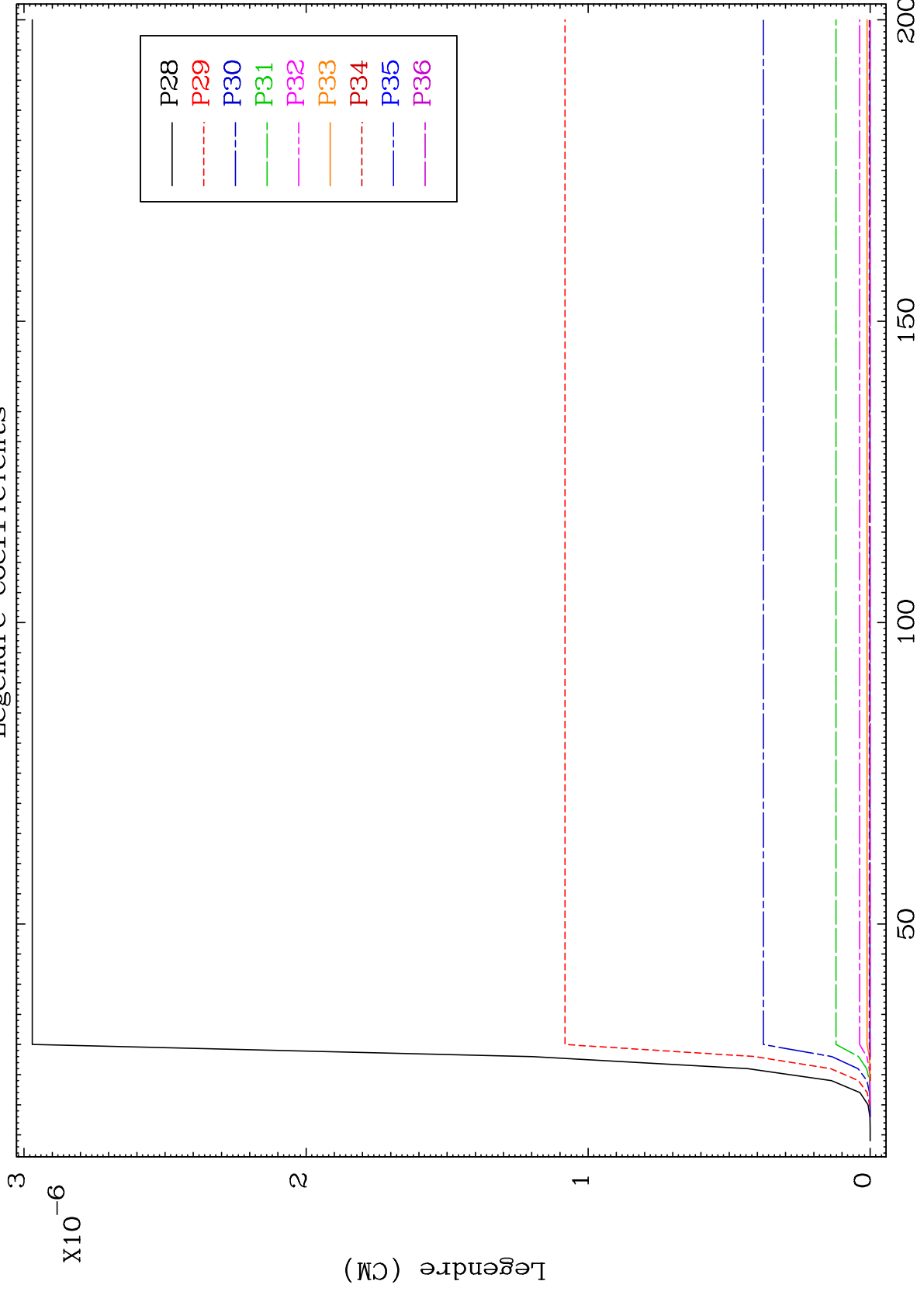


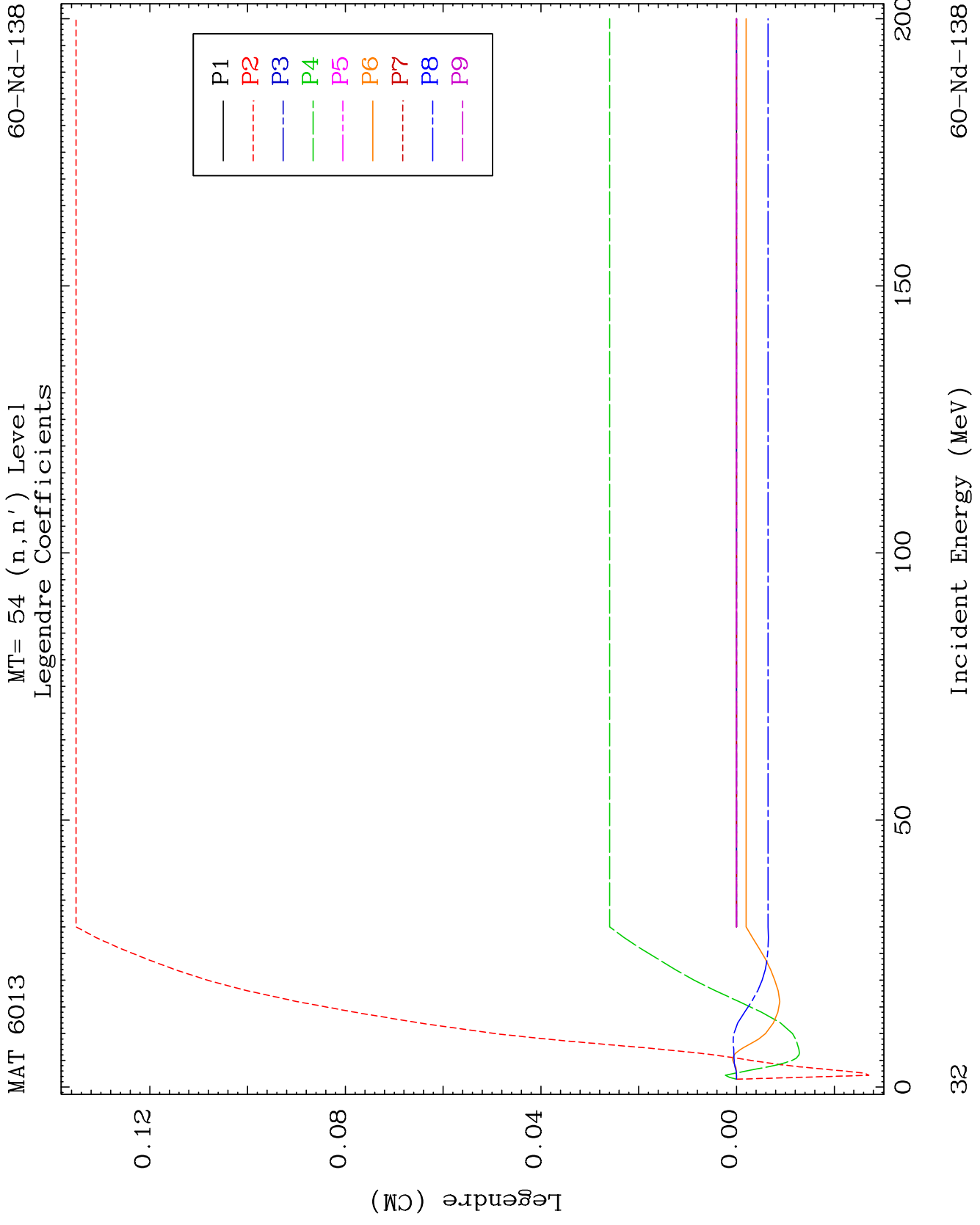
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Incident Energy (MeV)

60-Nd-138

MAT 6013 MT= 53 (n,n') Level Legendre Coefficients 60-Nd-138

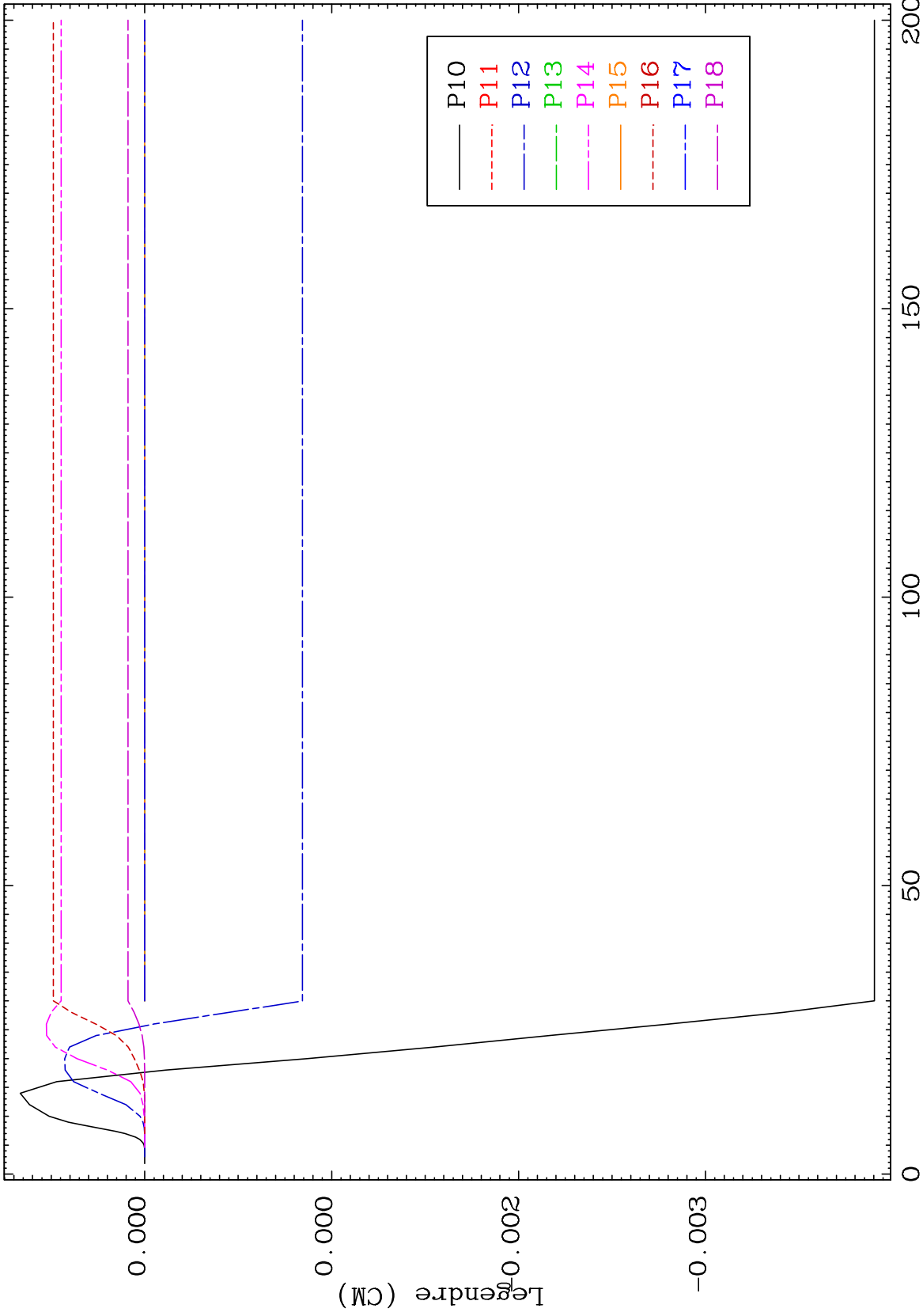




MAT 6013

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

60-Nd-138



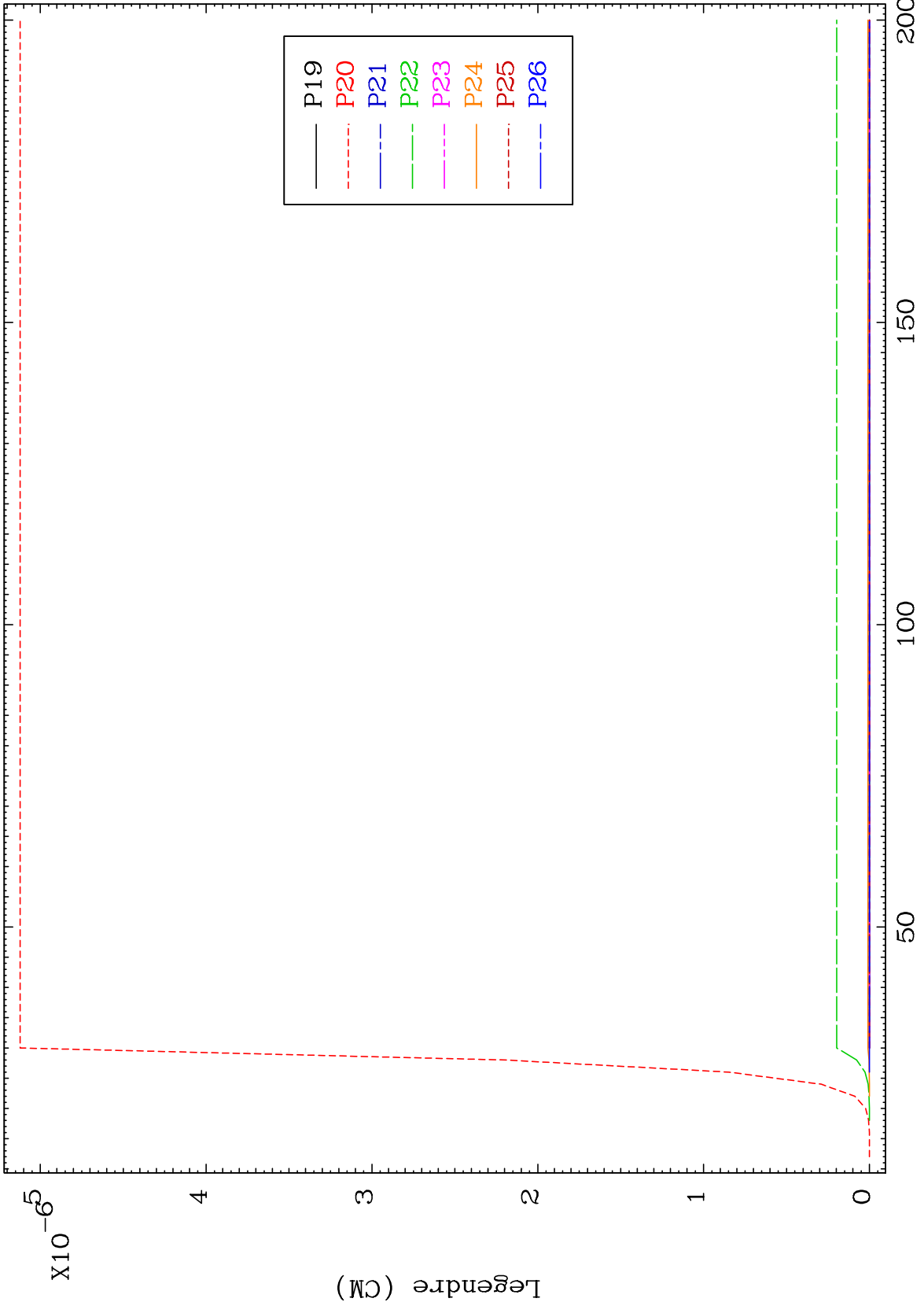
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60-Nd-138

MAT 6013

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

60-Nd-138



34

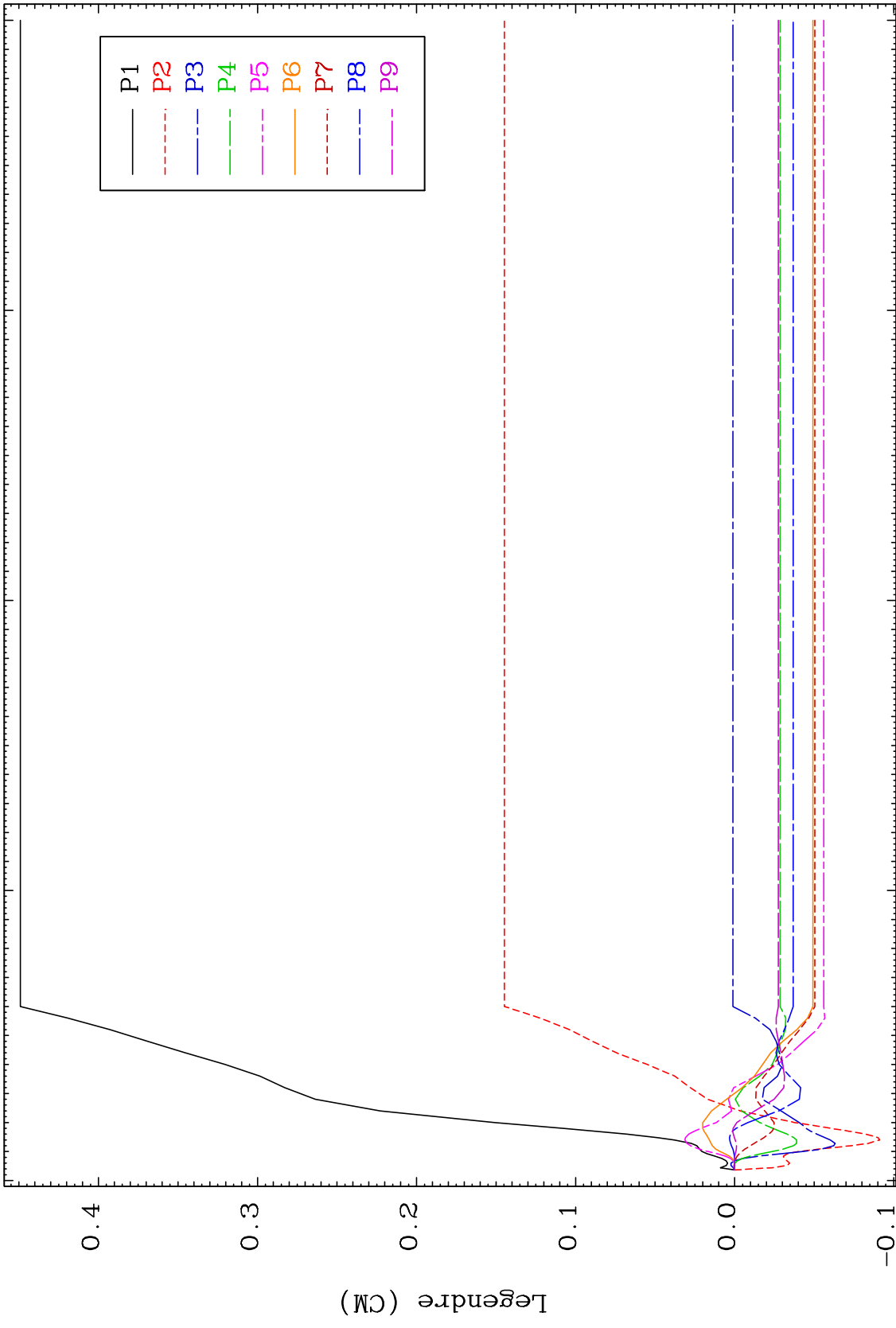
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

60-Nd-138



60-Nd-138

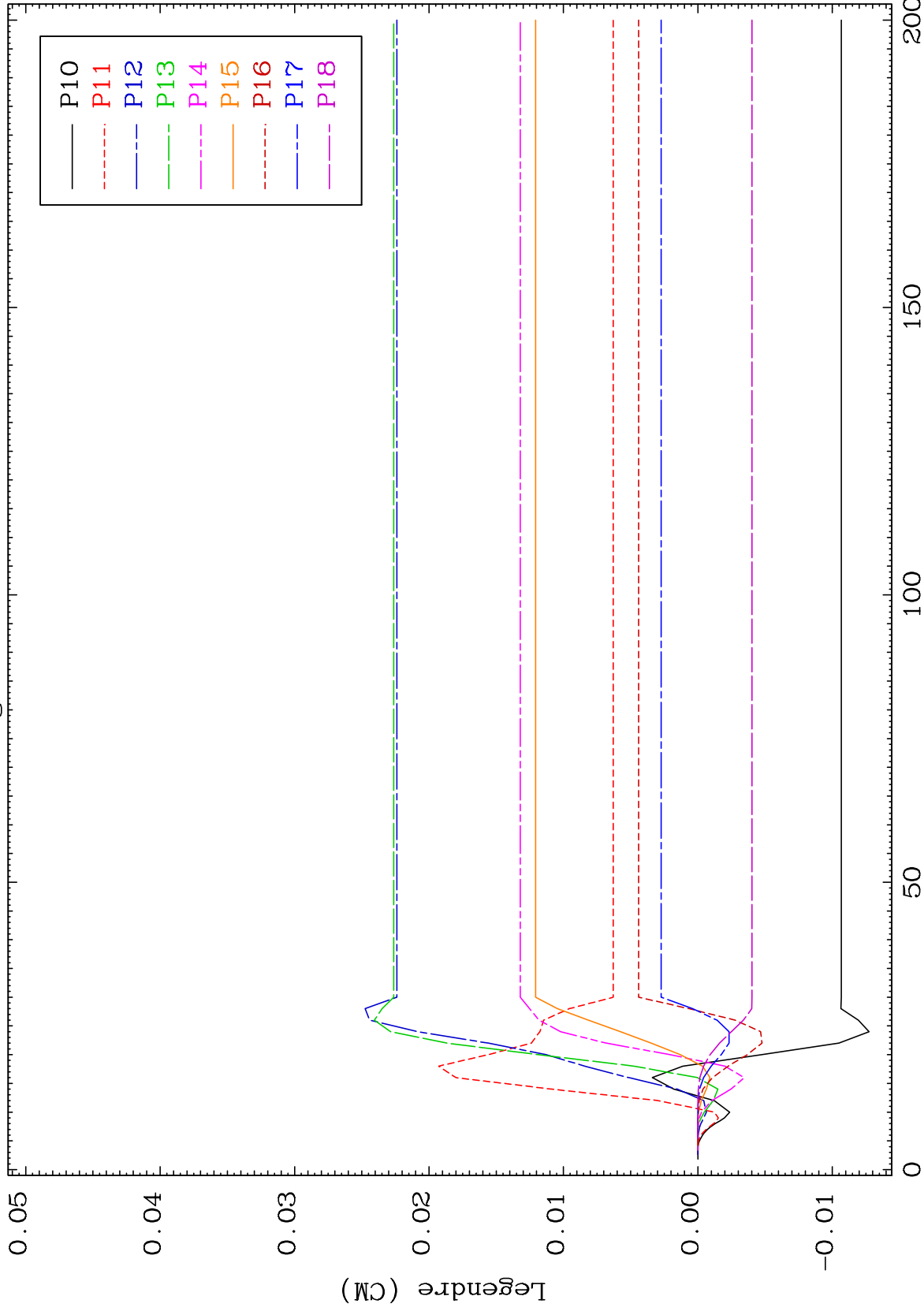
Incident Energy (MeV)

35

MAT 6013

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

60-Nd-138



36

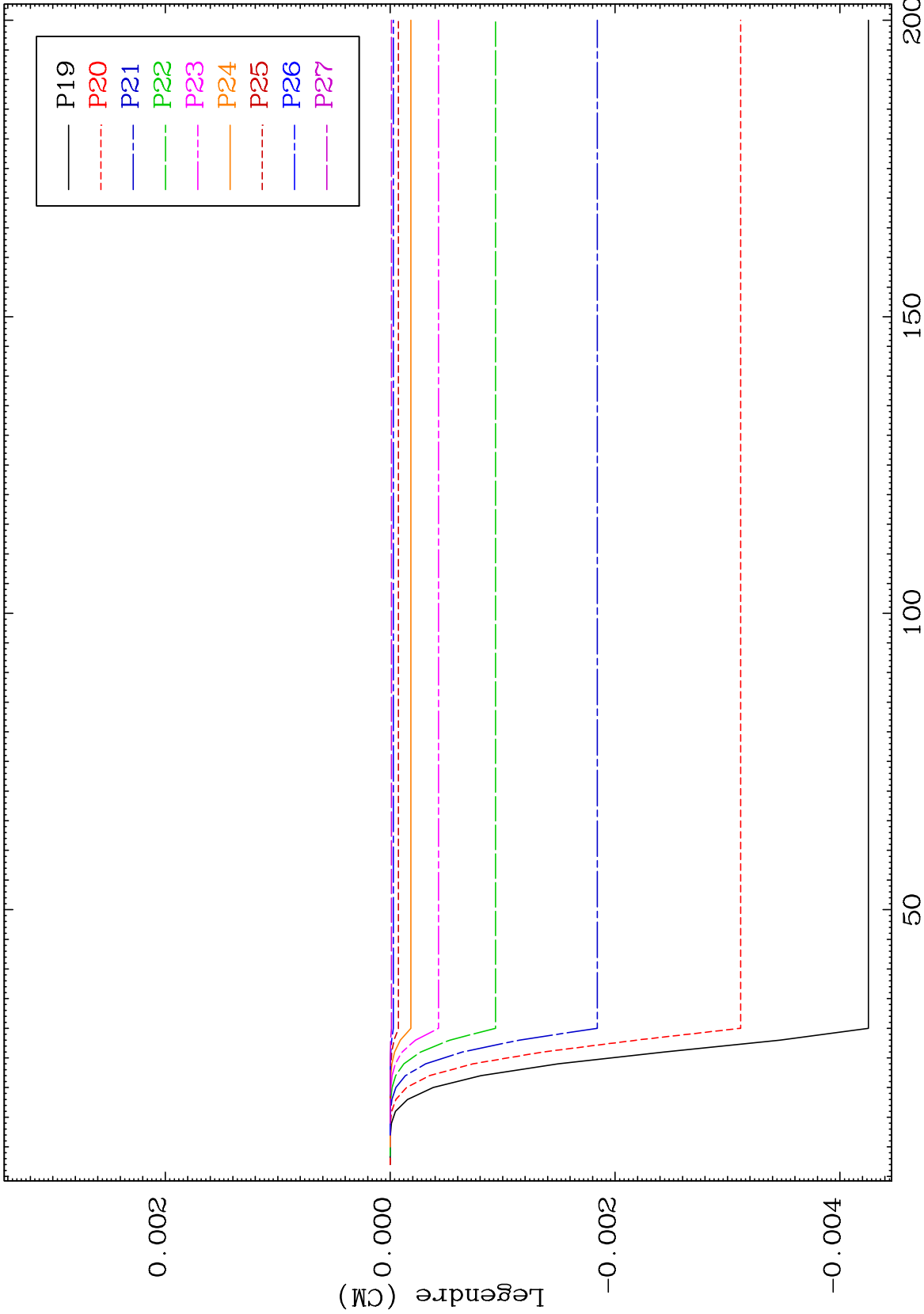
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

60-Nd-138



37

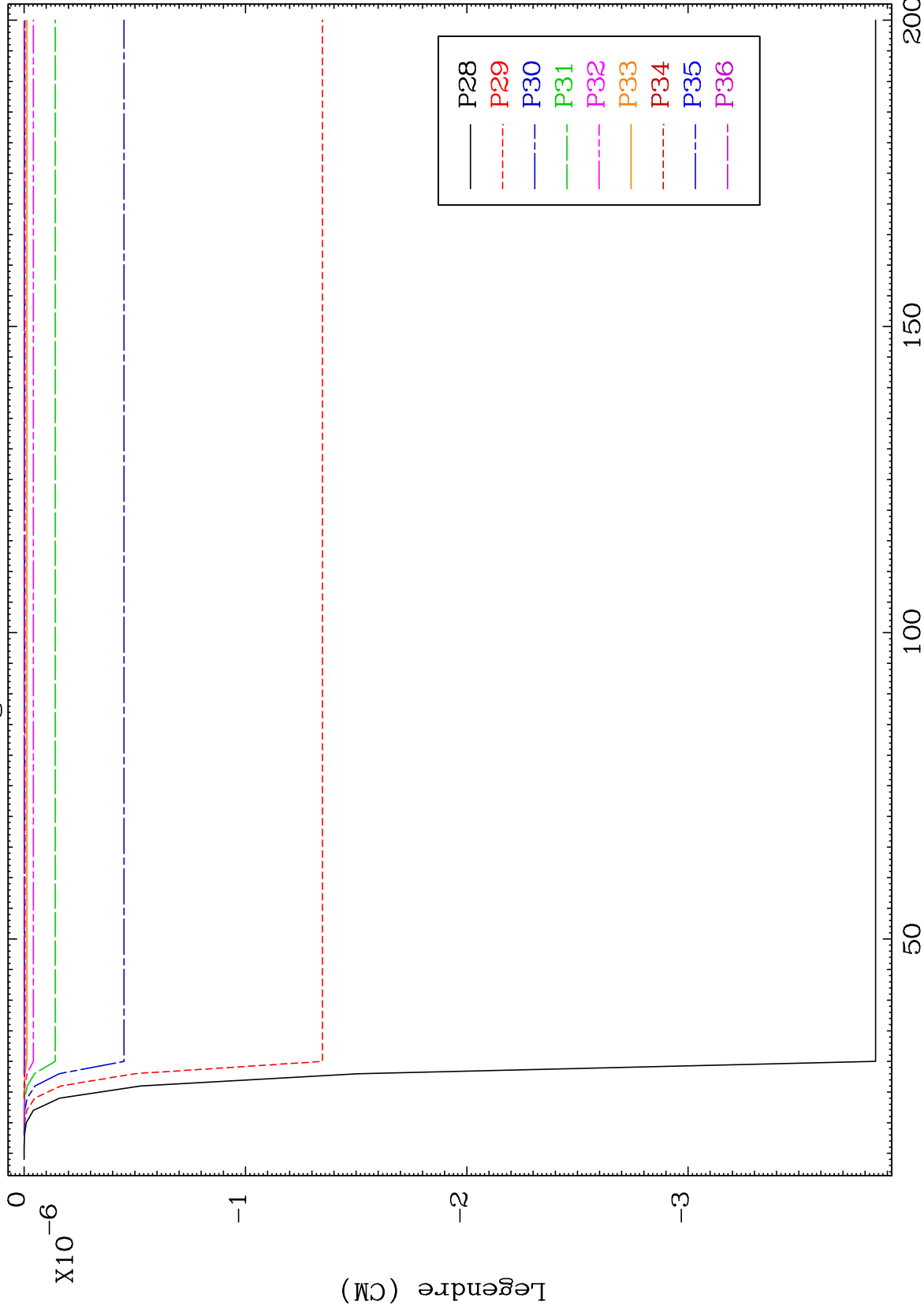
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

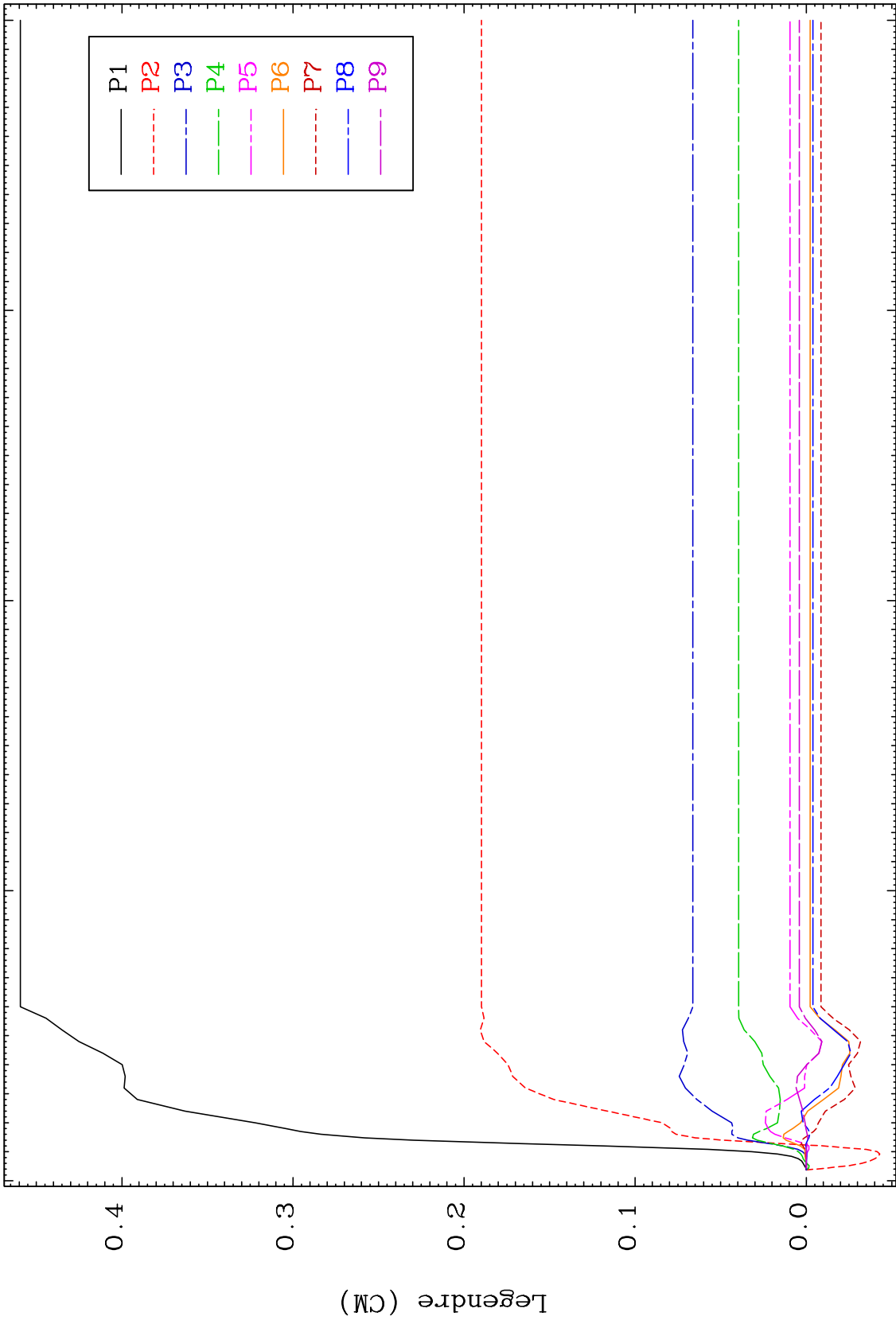
60-Nd-138



38

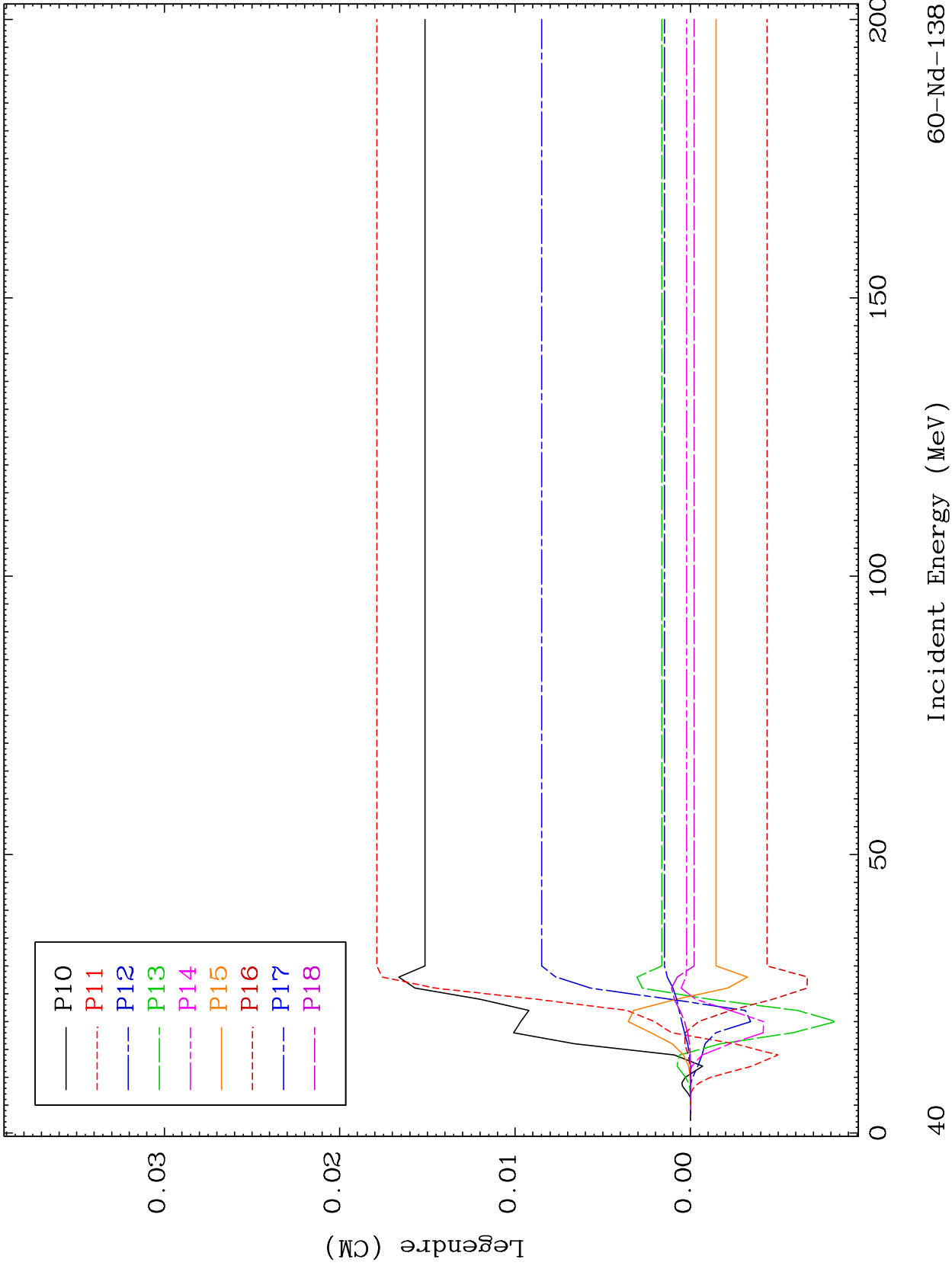
60-Nd-138

MAT 6013 MT= 56 (n,n') Level Legendre Coefficients 60-Nd-138



39 Incident Energy (MeV) 60-Nd-138

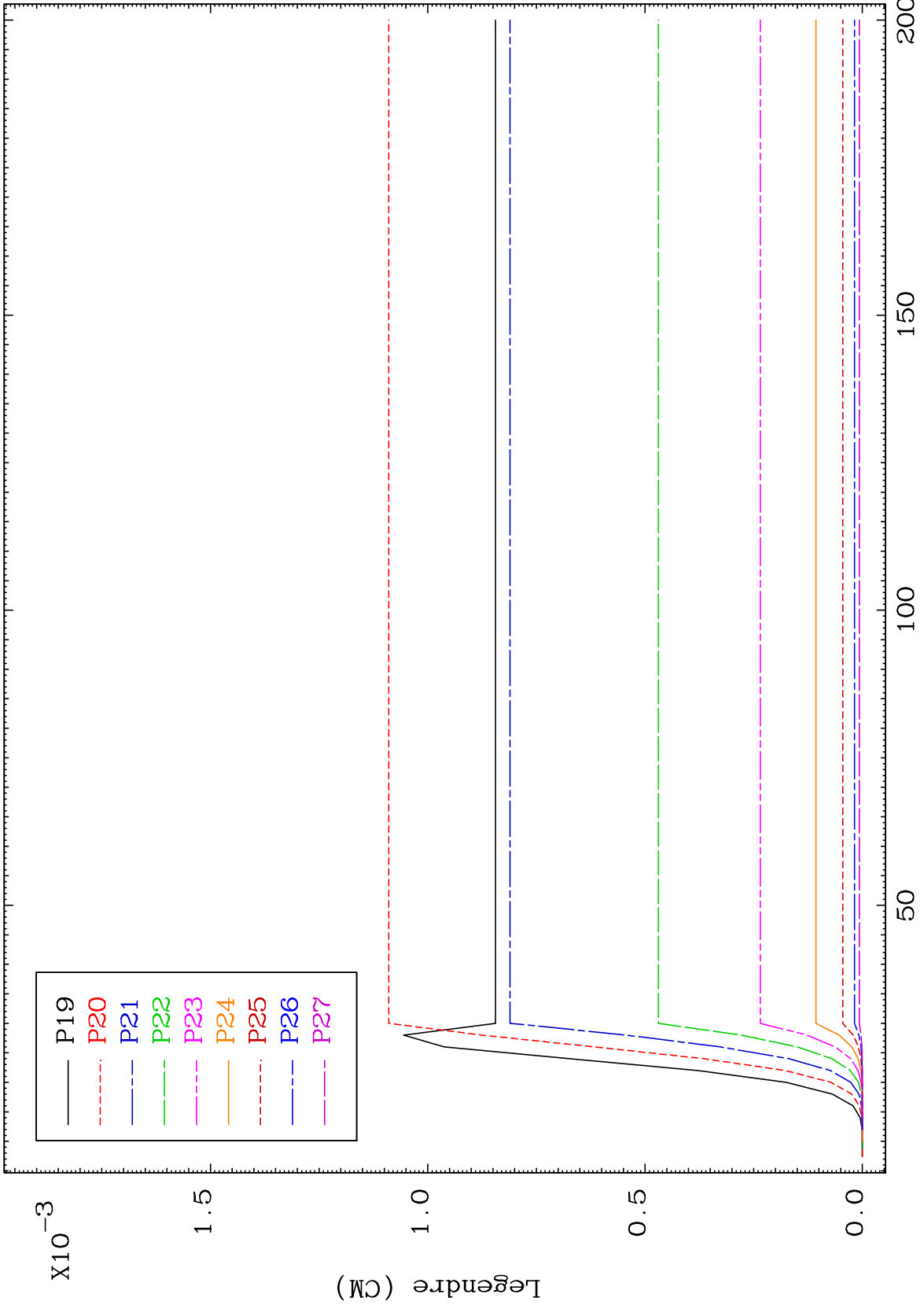
MAT 6013 MT= 56 (n,n') Level Legendre Coefficients 60-Nd-138



MAT 6013

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

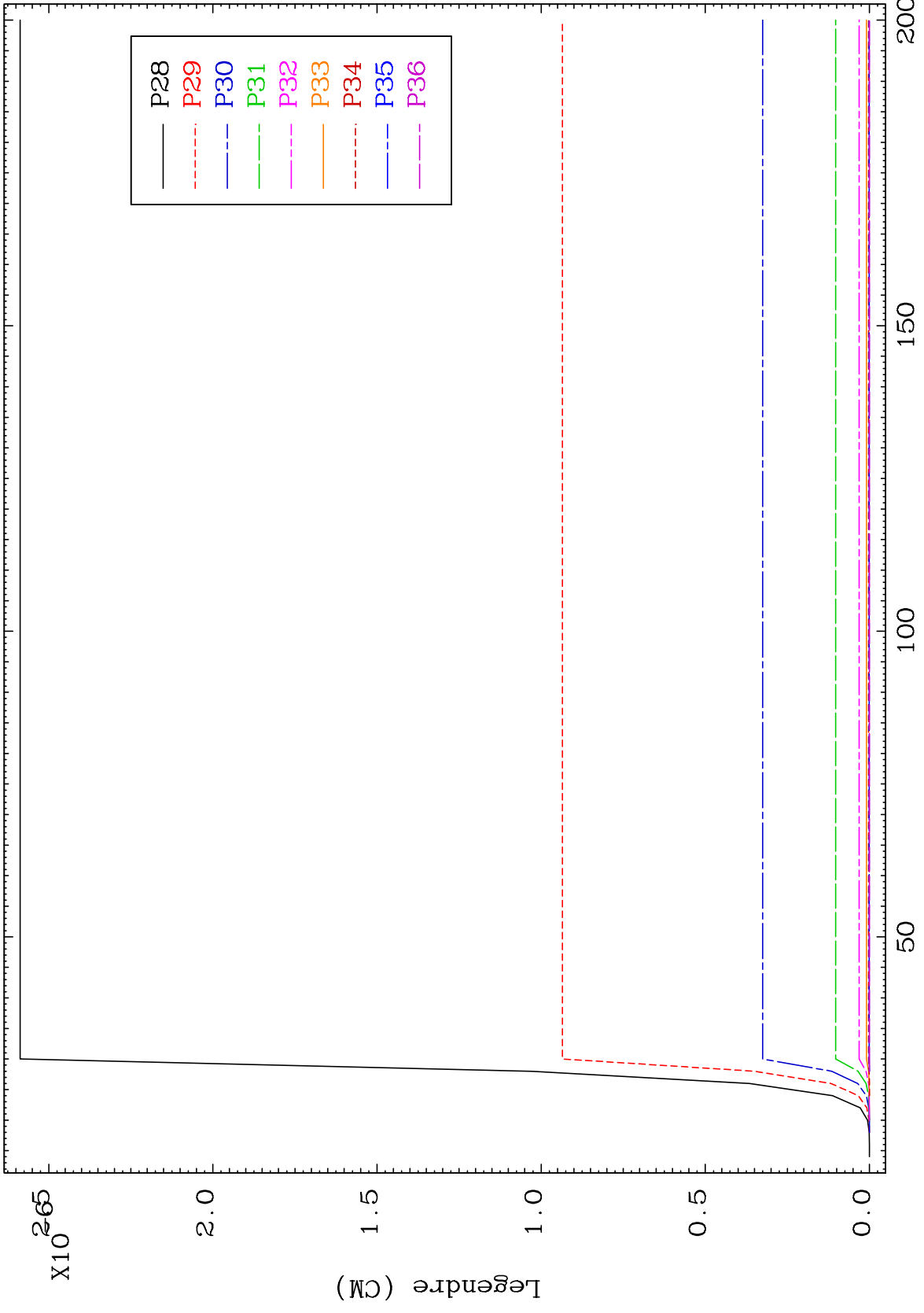
60-Nd-138



MAT 6013

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

60-Nd-138



42

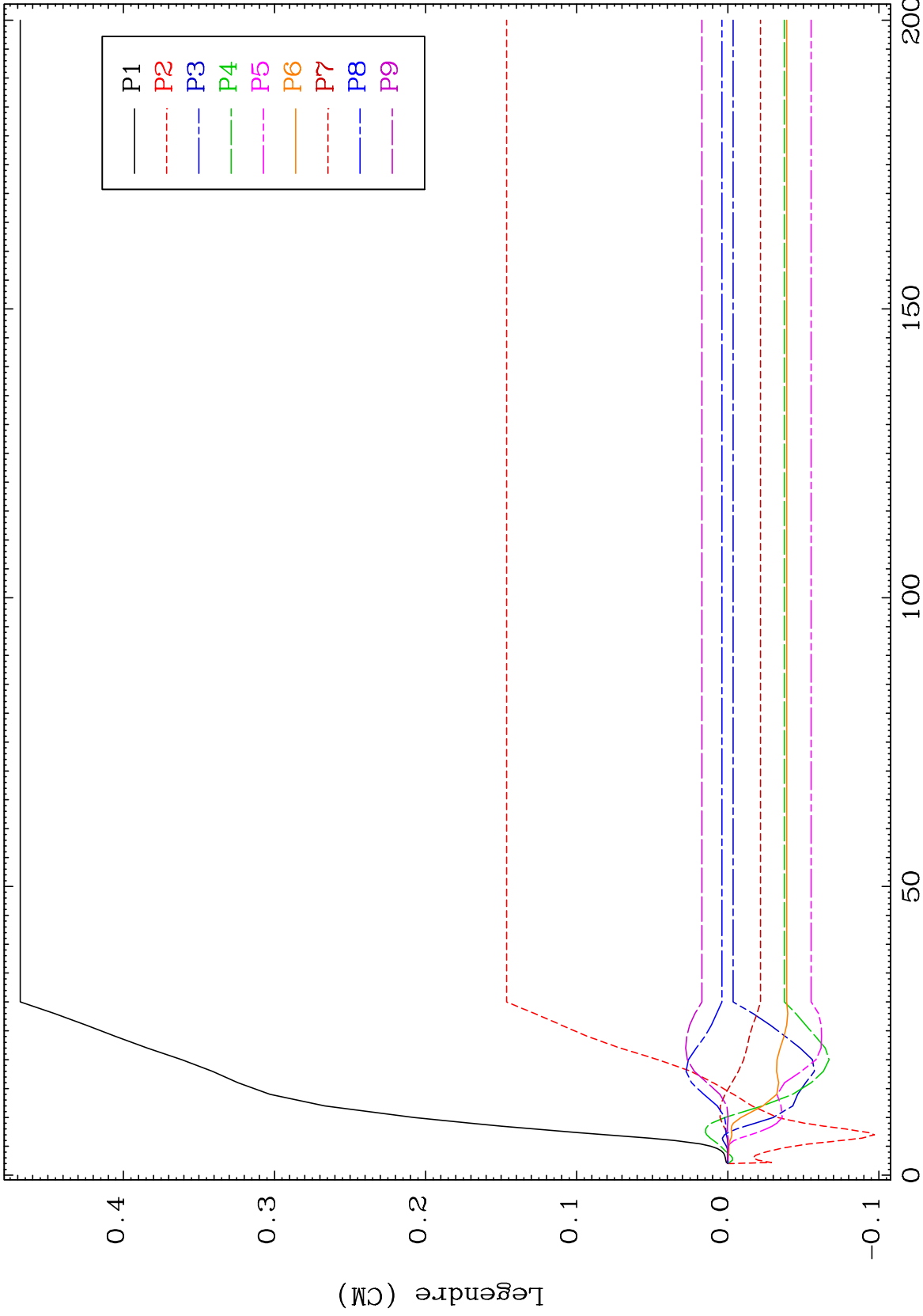
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

60-Nd-138



43

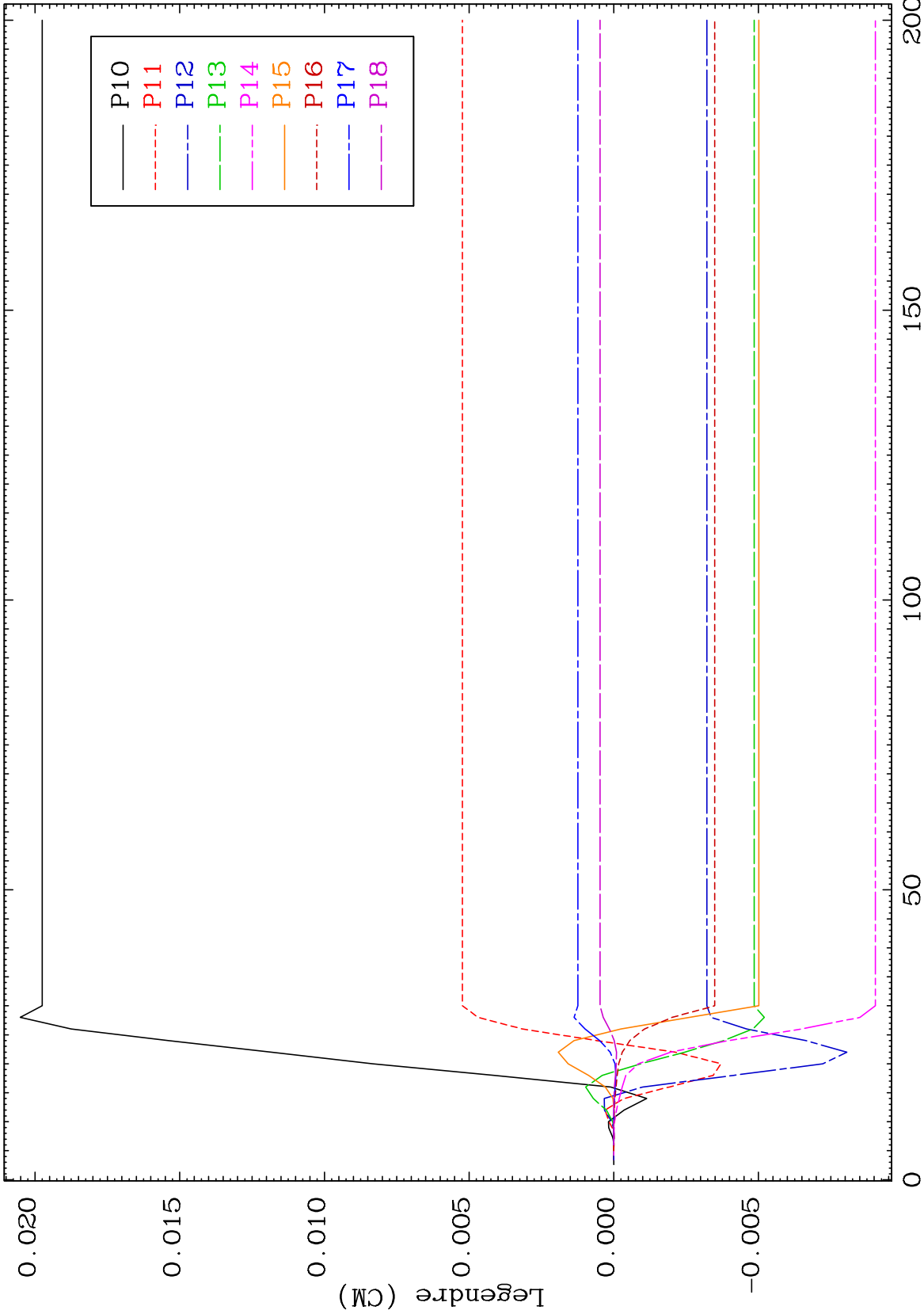
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

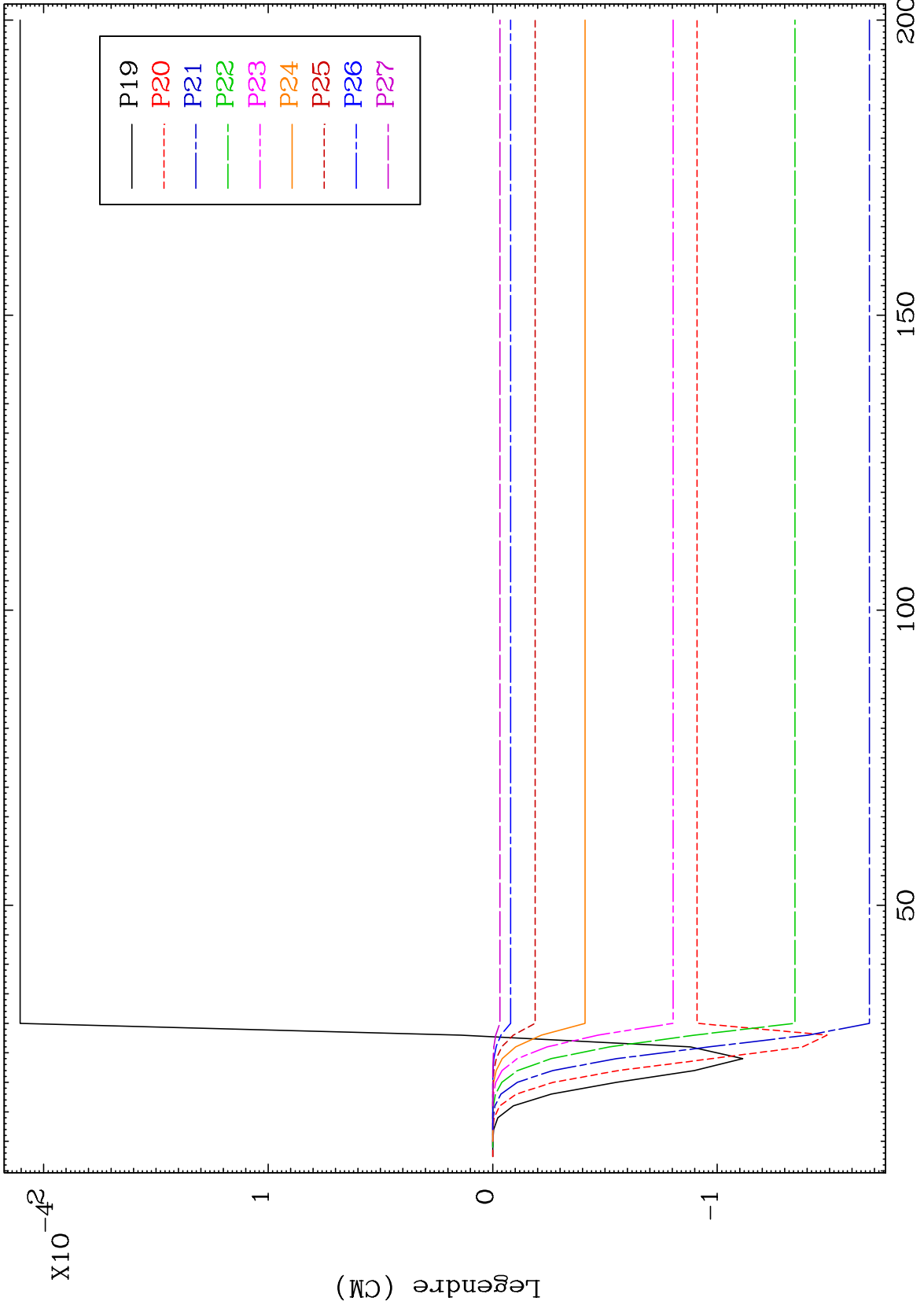
60-Nd-138



MAT 6013

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

60-Nd-138



45

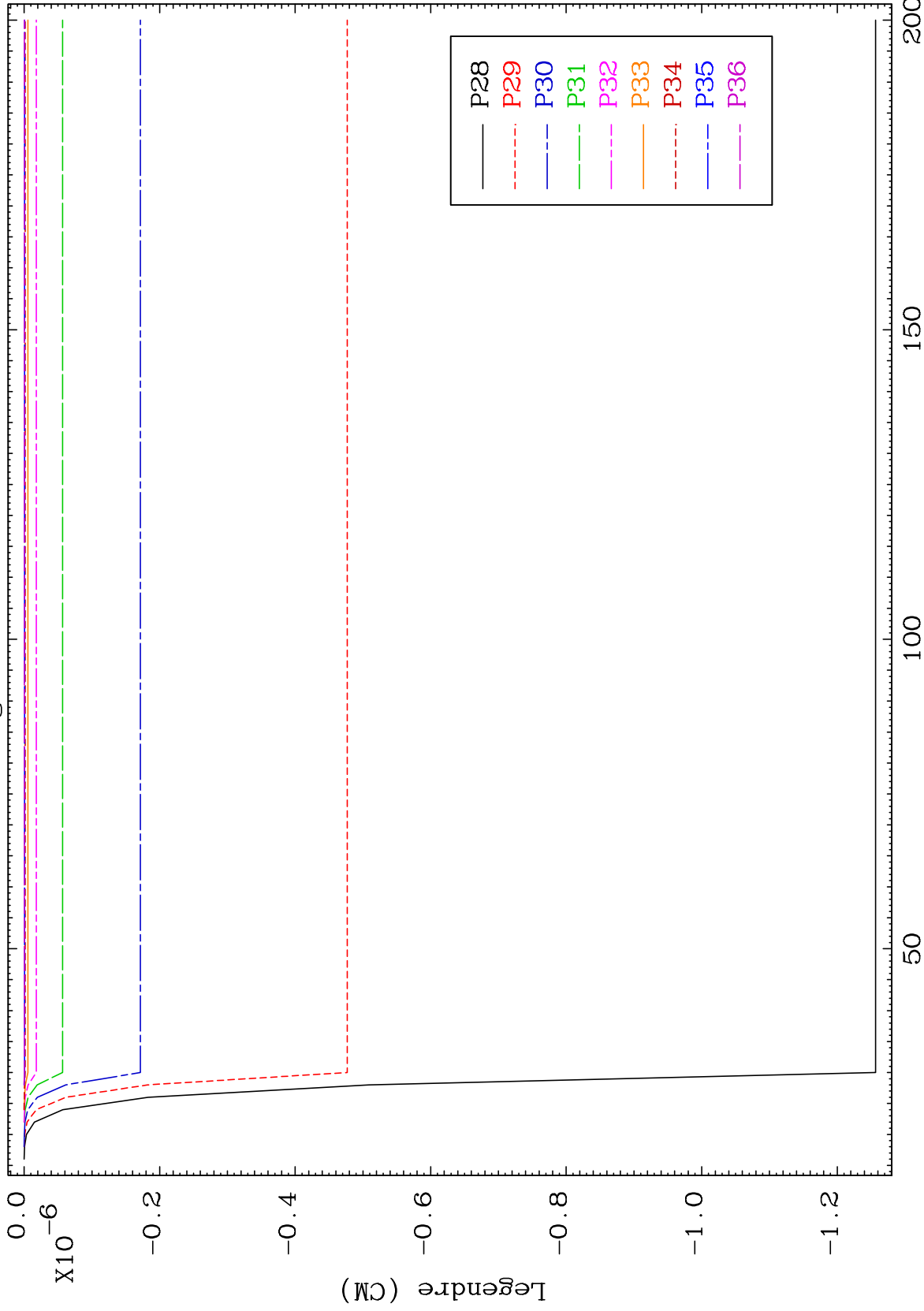
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

60-Nd-138



60-Nd-138

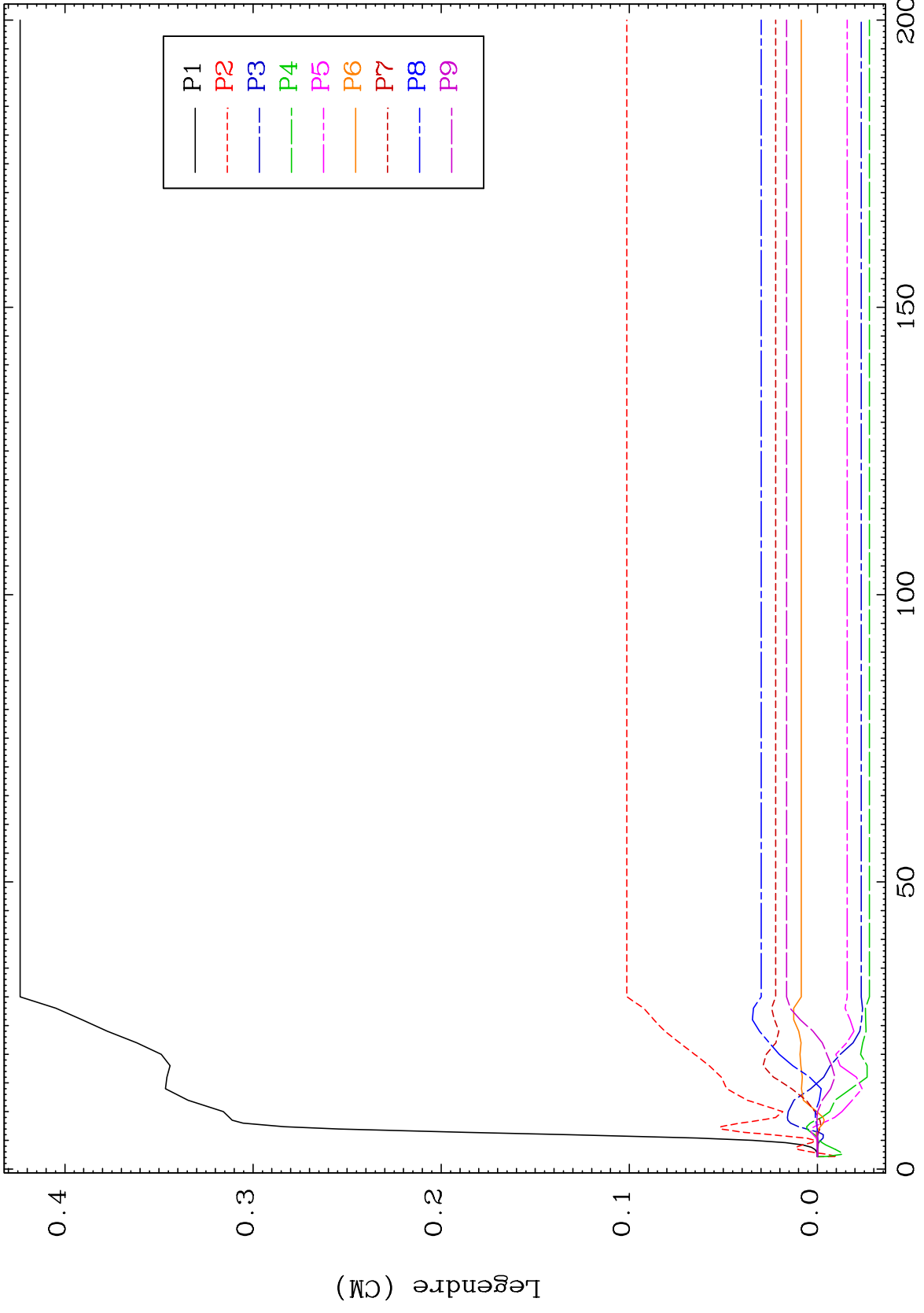
Incident Energy (MeV)

46

MAT 6013

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

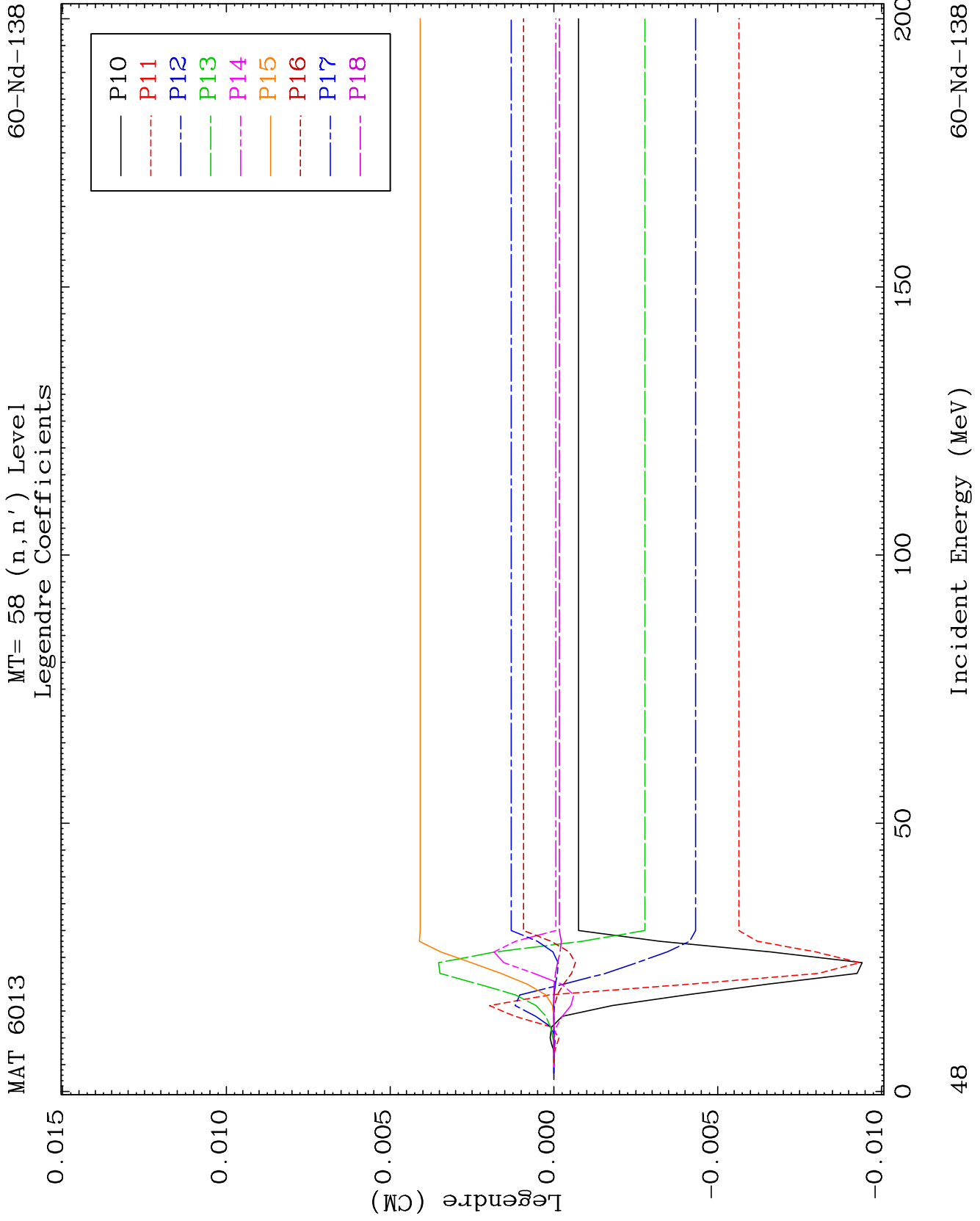
60-Nd-138



47

Incident Energy (MeV)

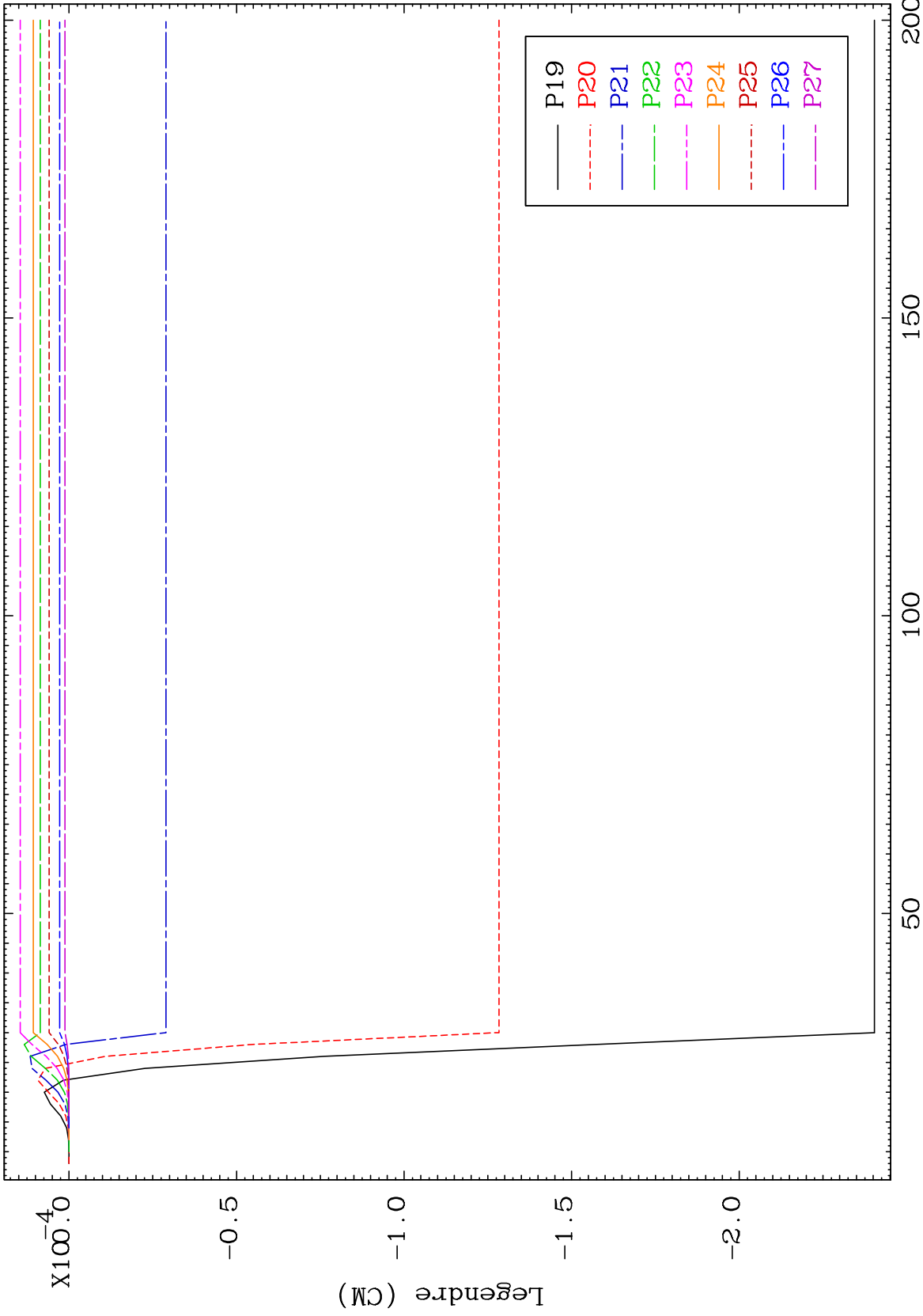
60-Nd-138



MAT 6013

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

60-Nd-138

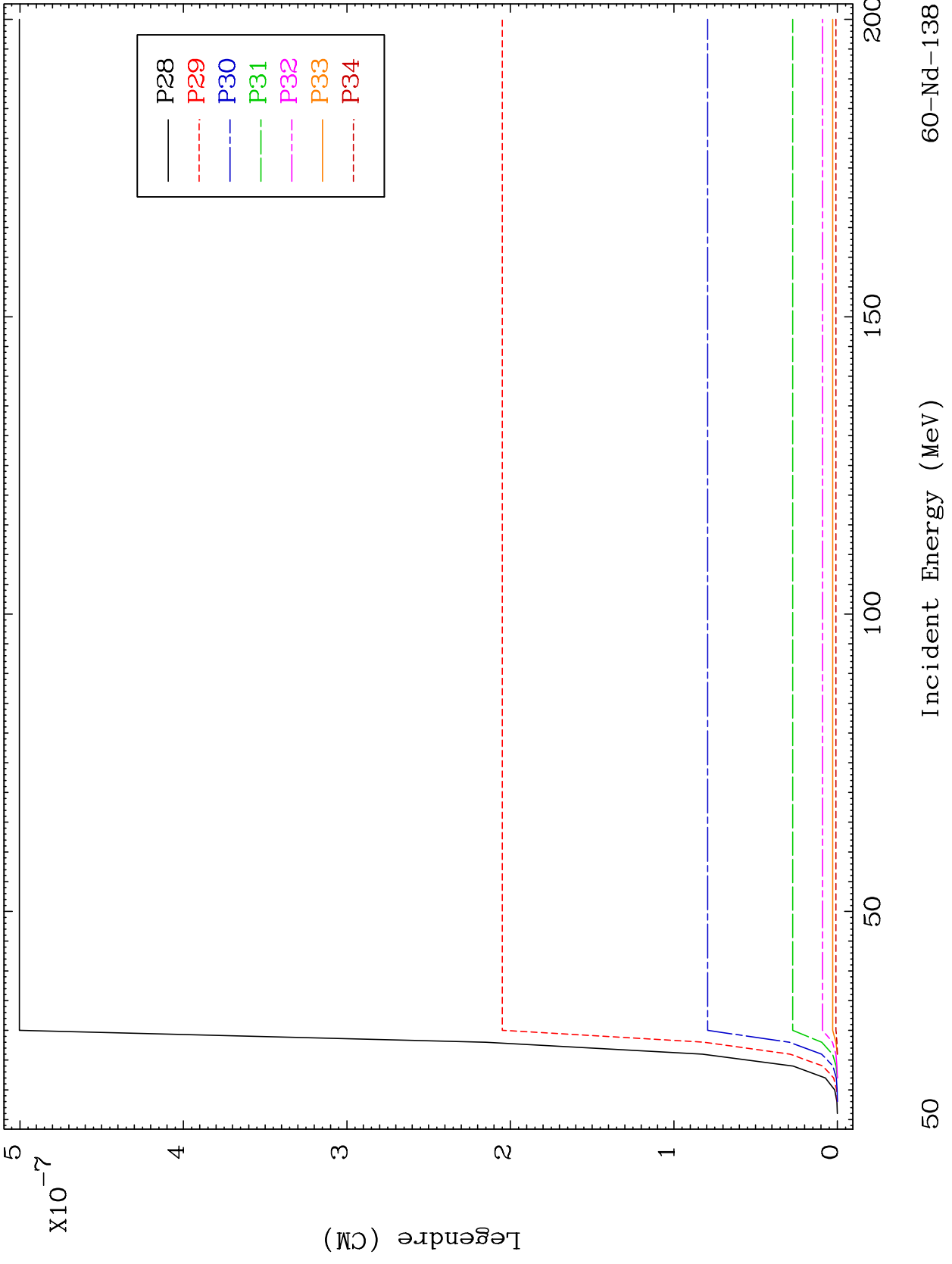


49

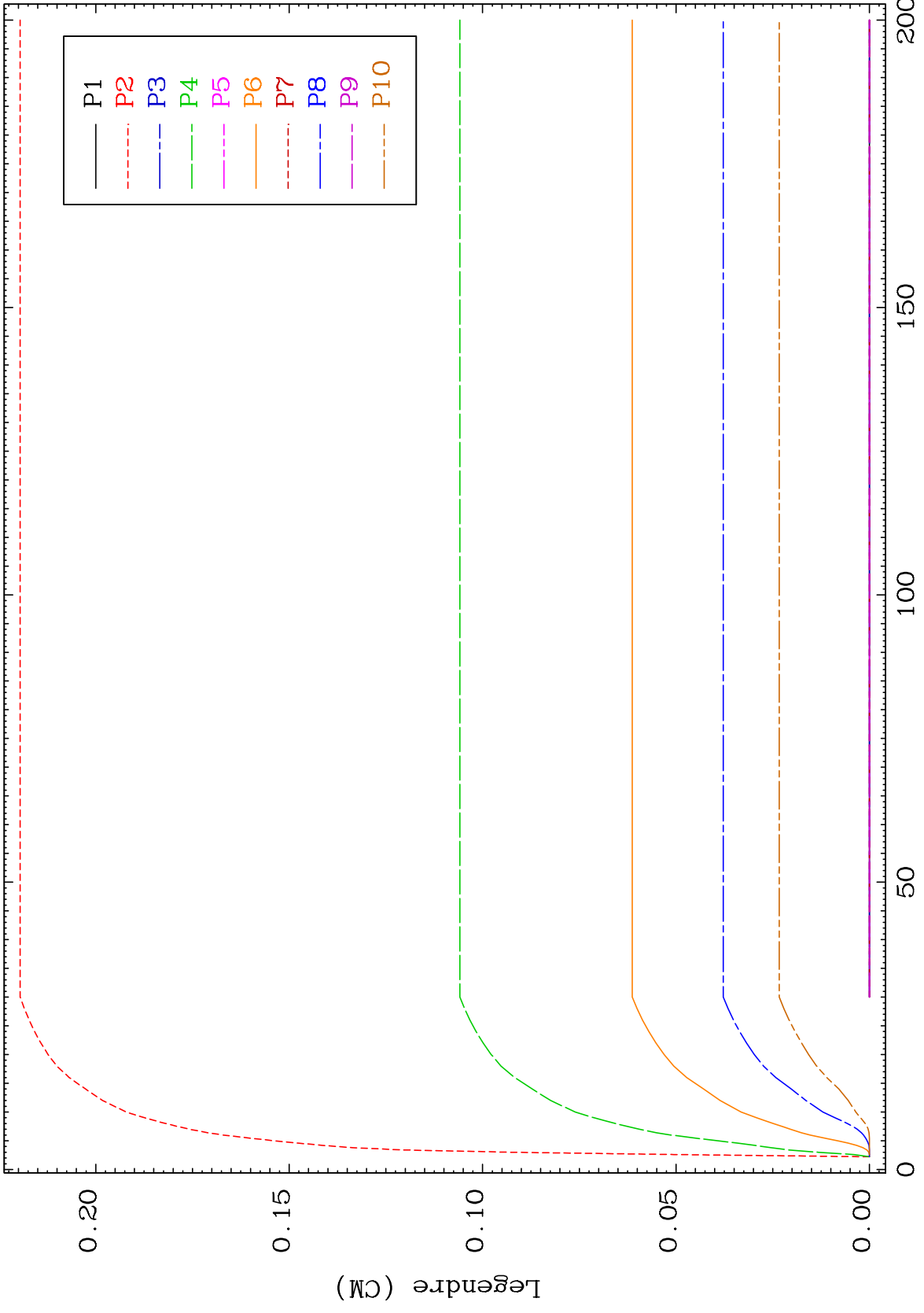
Incident Energy (MeV)

60-Nd-138

MAT 6013 MT= 58 (n,n') Level Legendre Coefficients 60-Nd-138

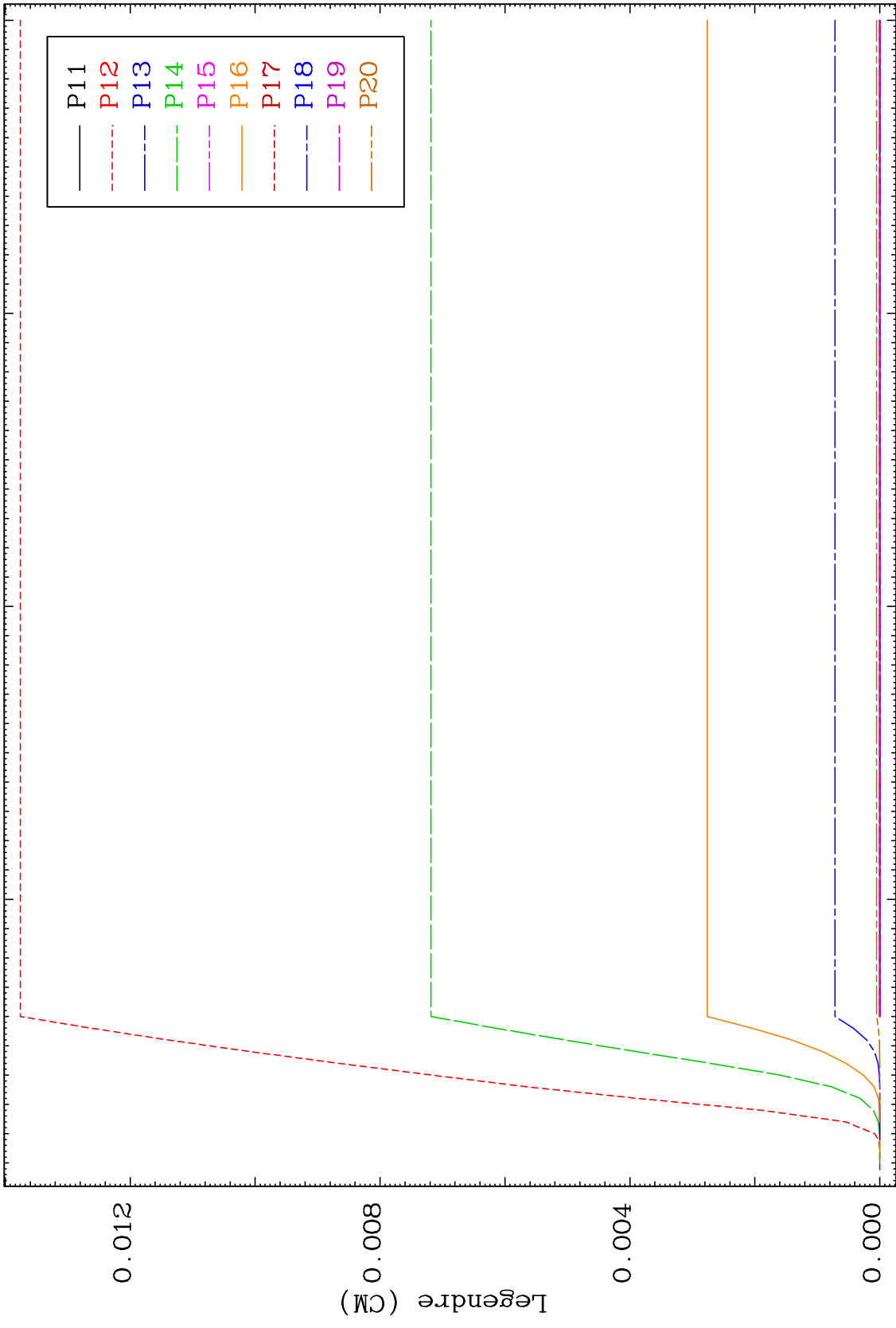


MAT 6013 MT= 59 (n,n') Level Legendre Coefficients 60-Nd-138



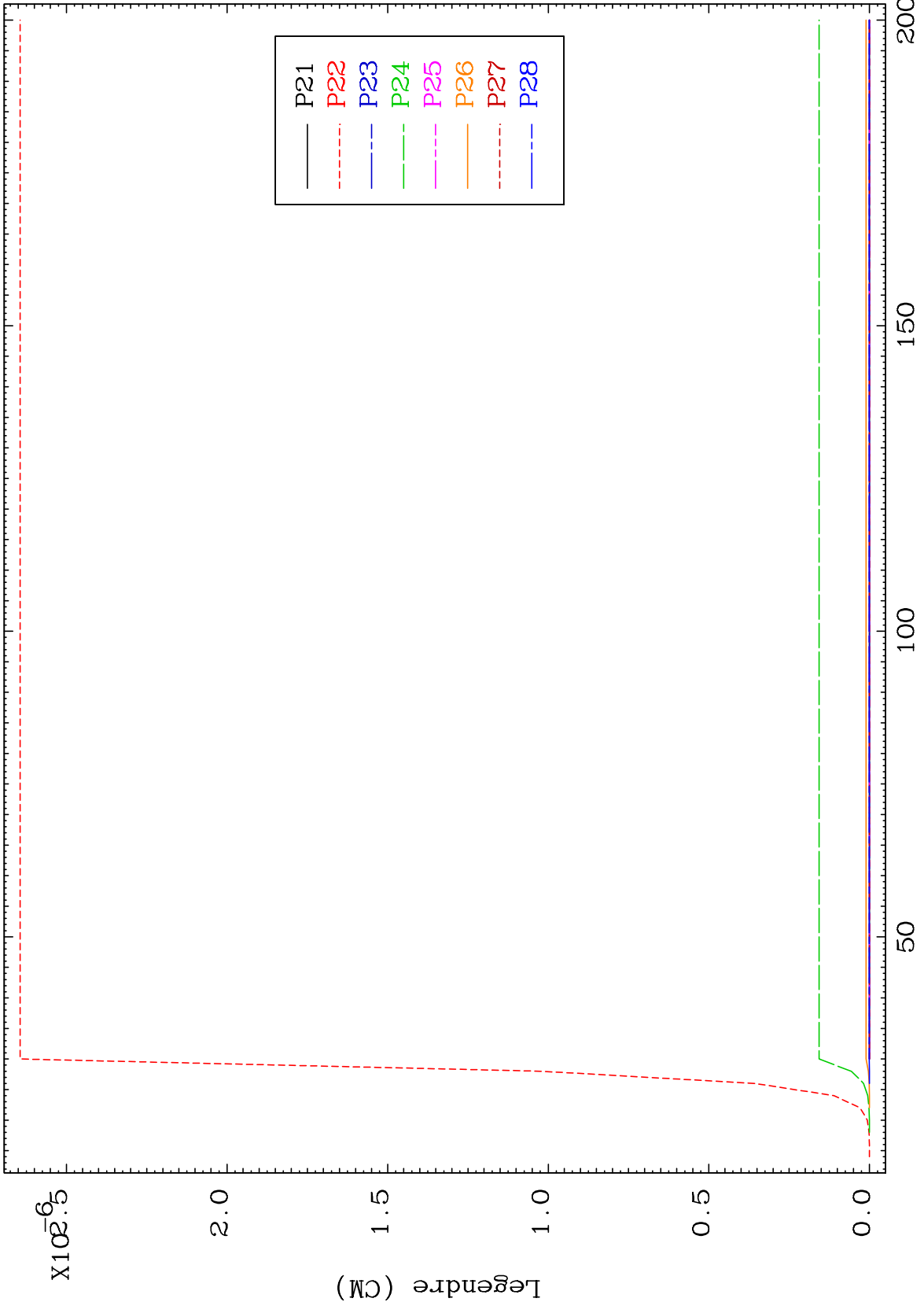
51 60-Nd-138

MAT 6013 MT= 59 (n,n') Level Legendre Coefficients 60-Nd-138



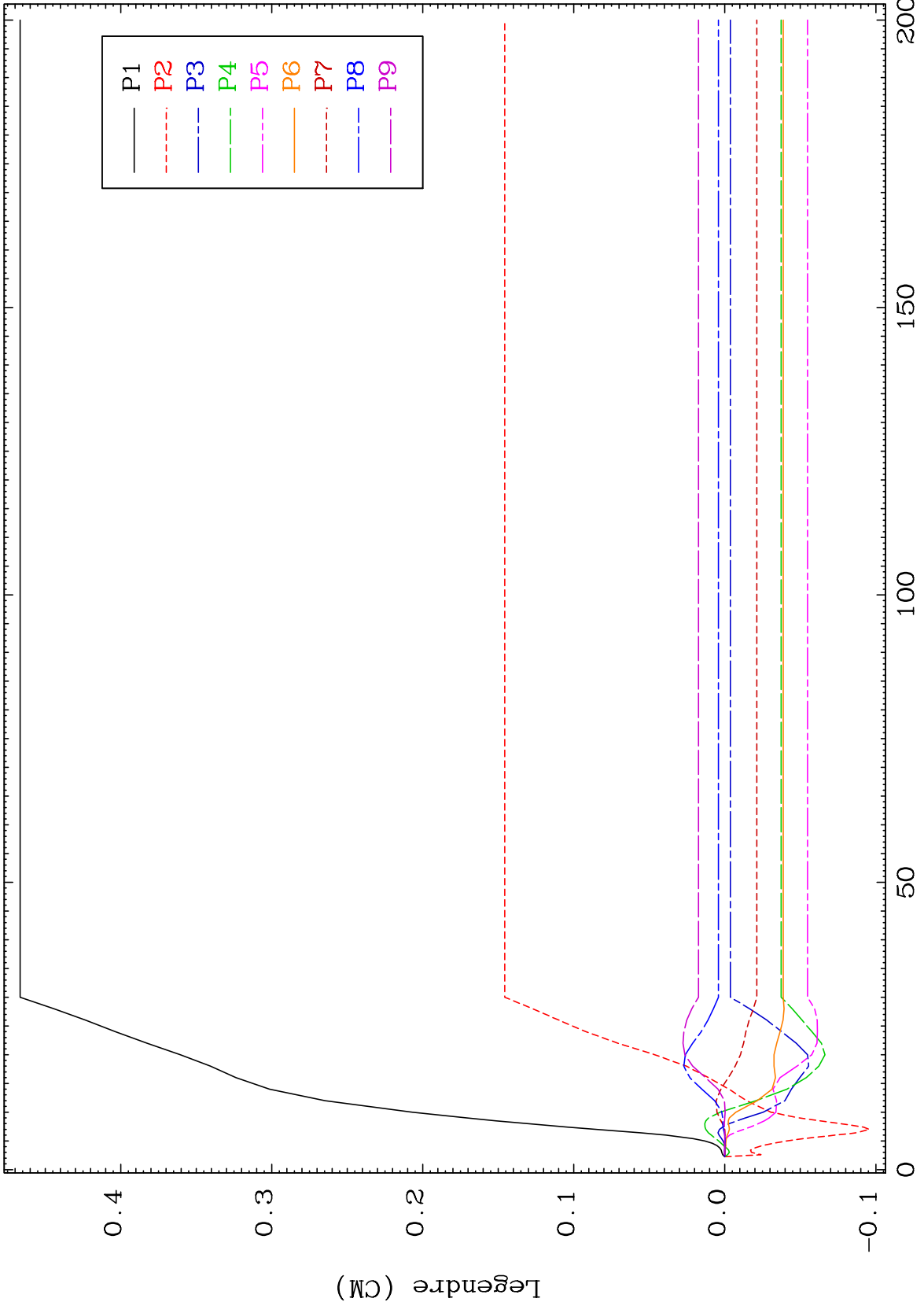
52 Incident Energy (MeV) 60-Nd-138

MAT 6013 MT= 59 (n,n') Level Legendre Coefficients 60-Nd-138



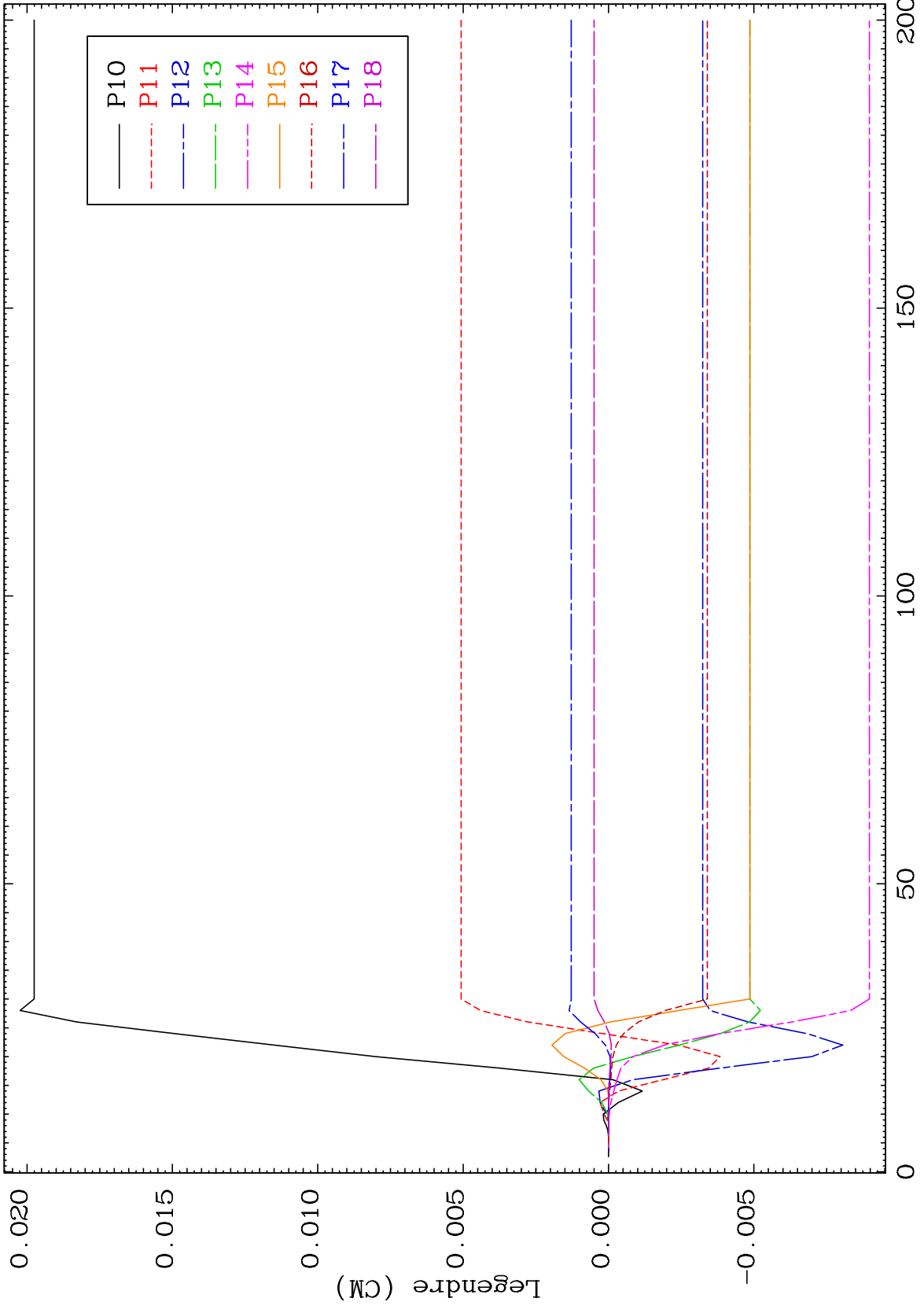
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MAT 6013 MT= 60 (n,n') Level Legendre Coefficients 60-Nd-138



54 Incident Energy (MeV) 60-Nd-138

MAT 6013 MT= 60 (n,n') Level Legendre Coefficients 60-Nd-138

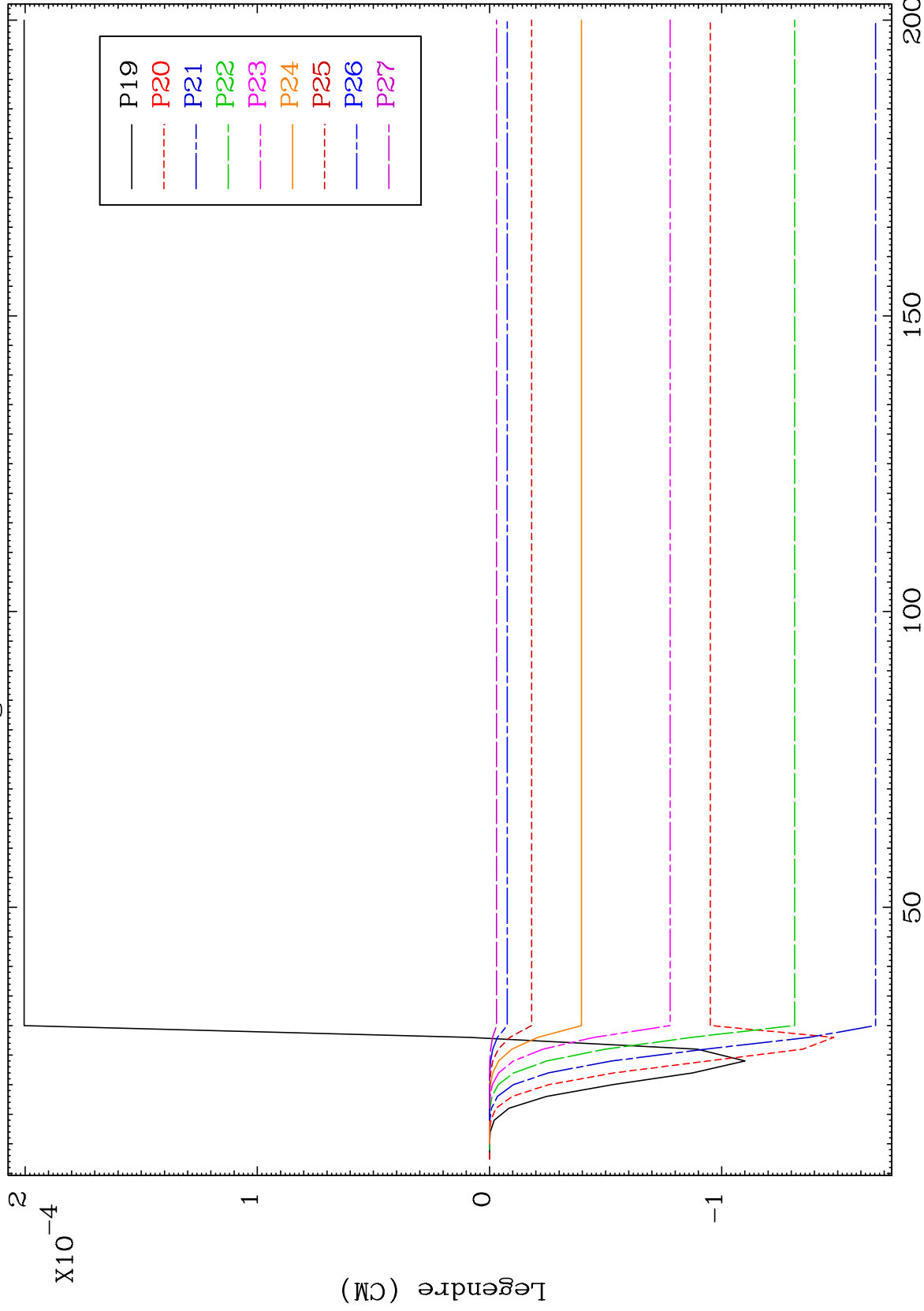


55 Incident Energy (MeV) 60-Nd-138

MAT 6013

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

60-Nd-138

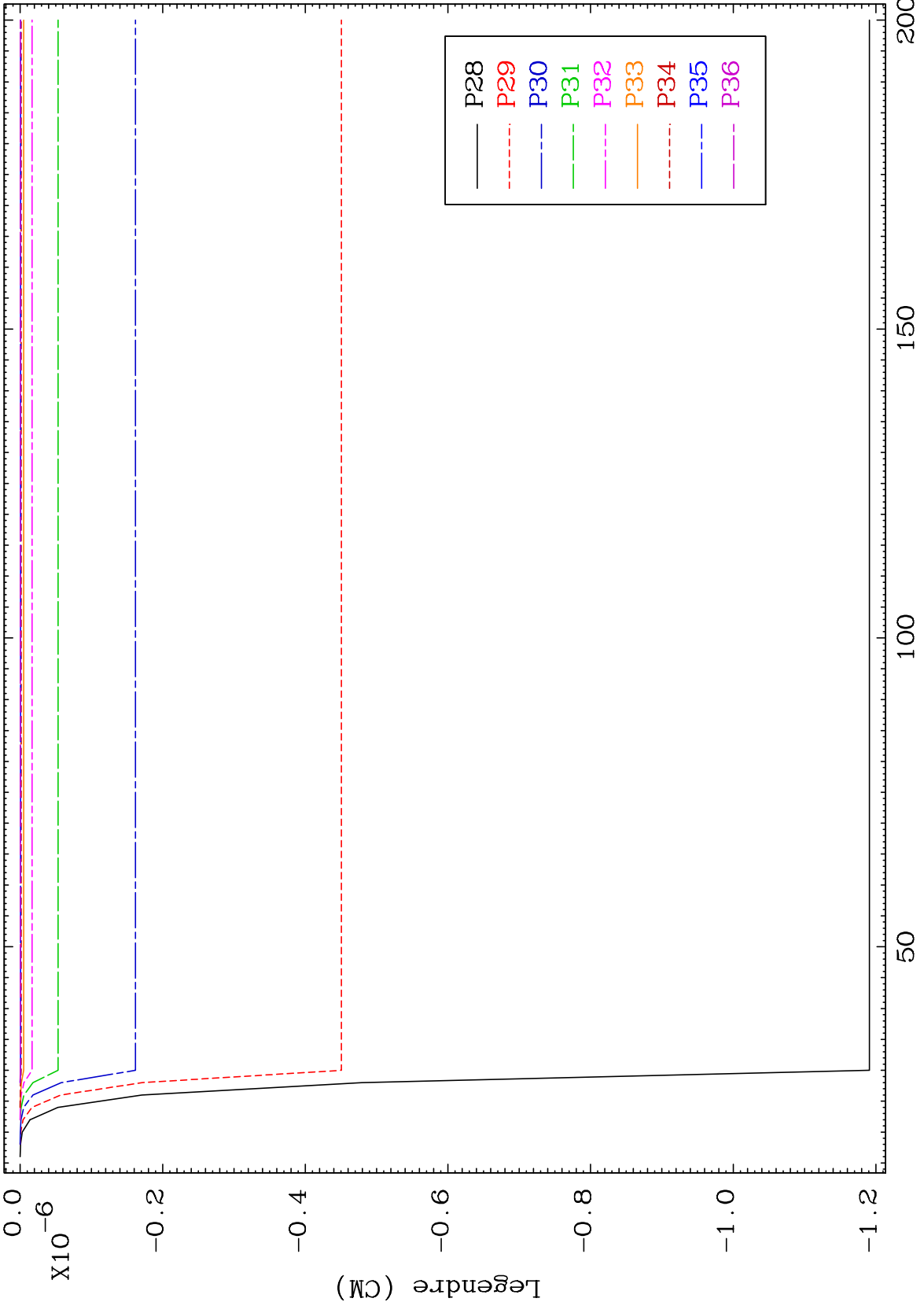


56

Incident Energy (MeV)

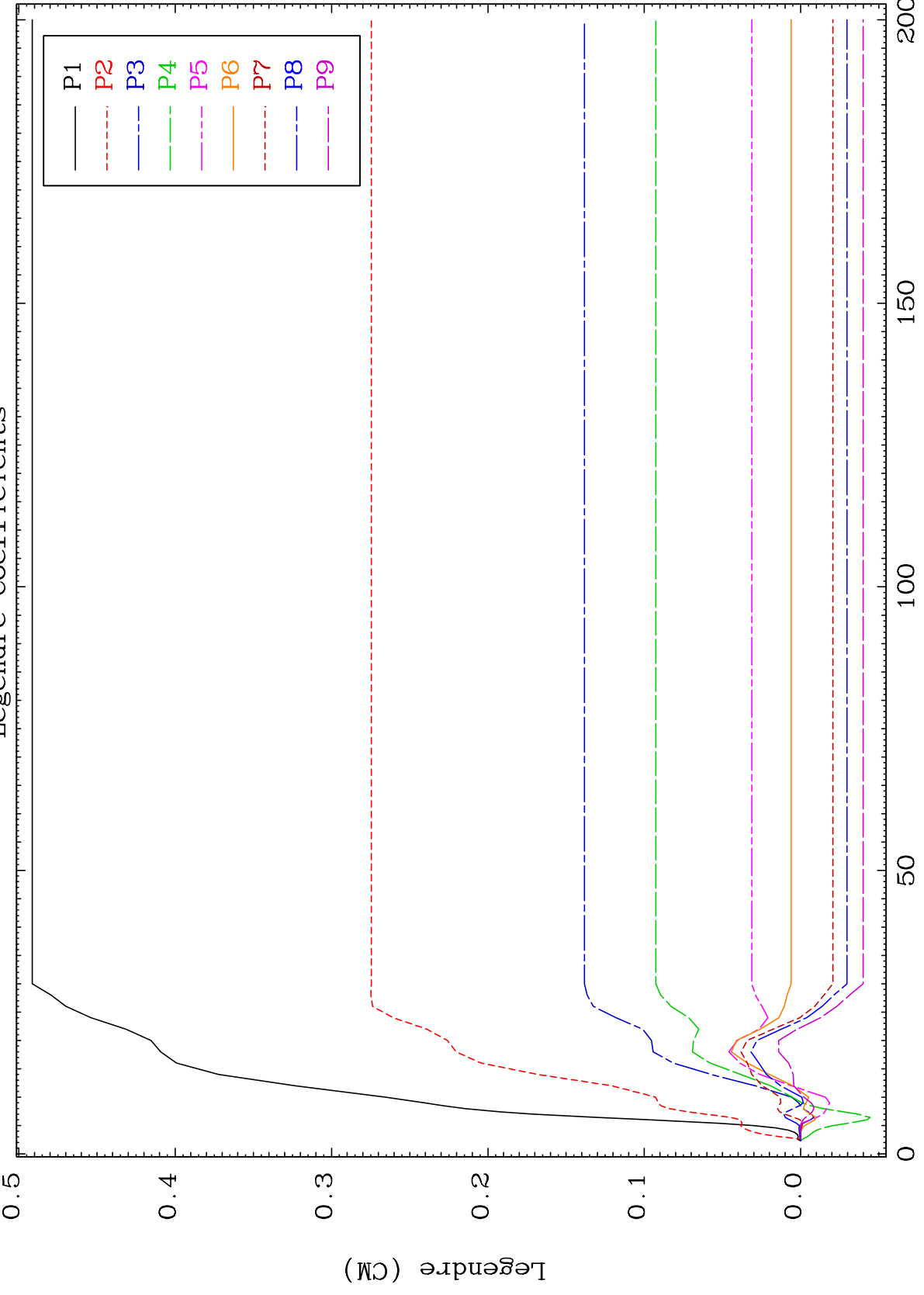
60-Nd-138

MAT 6013 MT= 60 (n,n') Level Legendre Coefficients 60-Nd-138



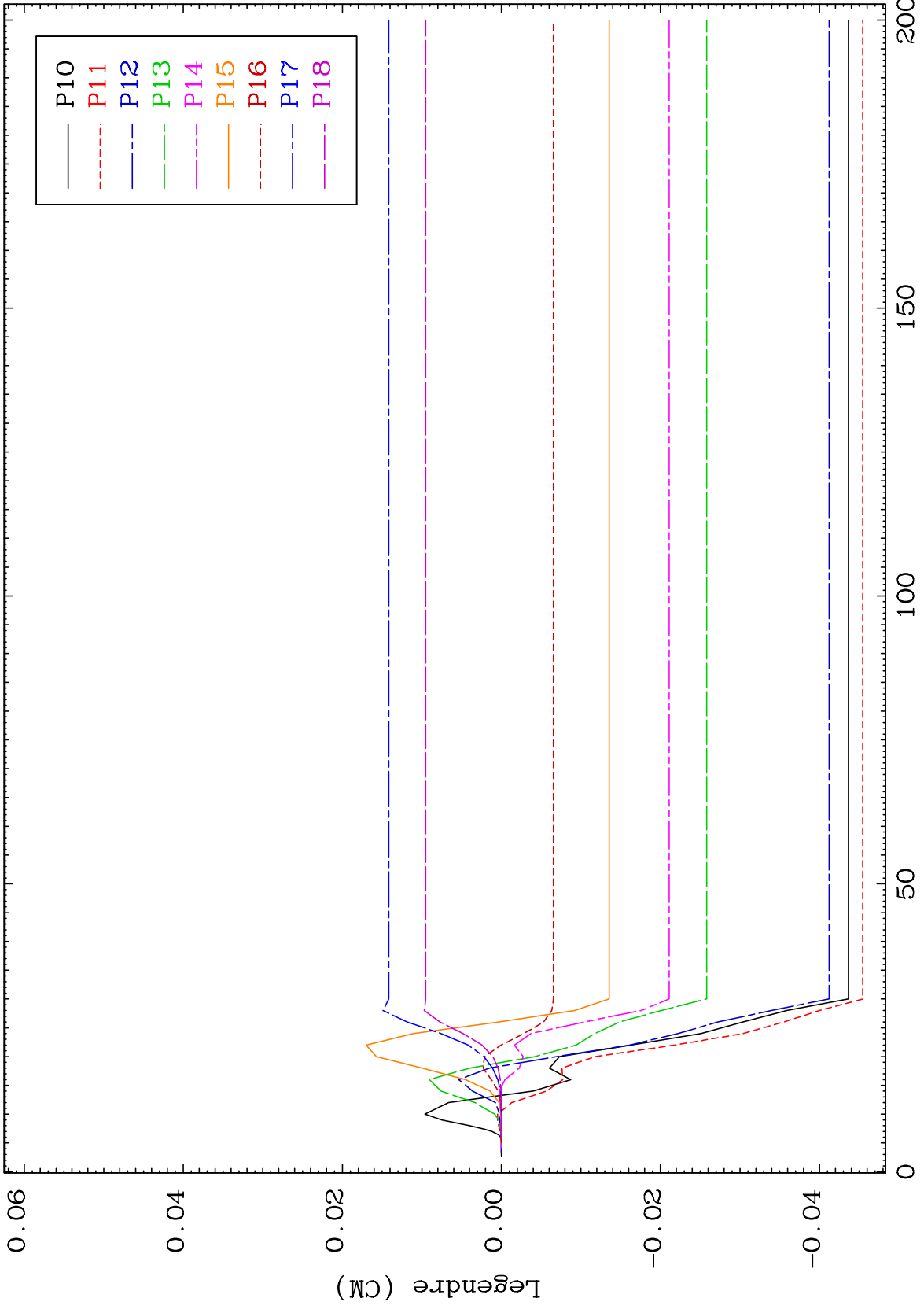
57 Incident Energy (MeV) 200 60-Nd-138

MAT 6013 MT= 61 (n,n') Level Legendre Coefficients 60-Nd-138



58 Incident Energy (MeV) 60-Nd-138

MAT 6013 MT= 61 (n,n') Level Legendre Coefficients 60-Nd-138

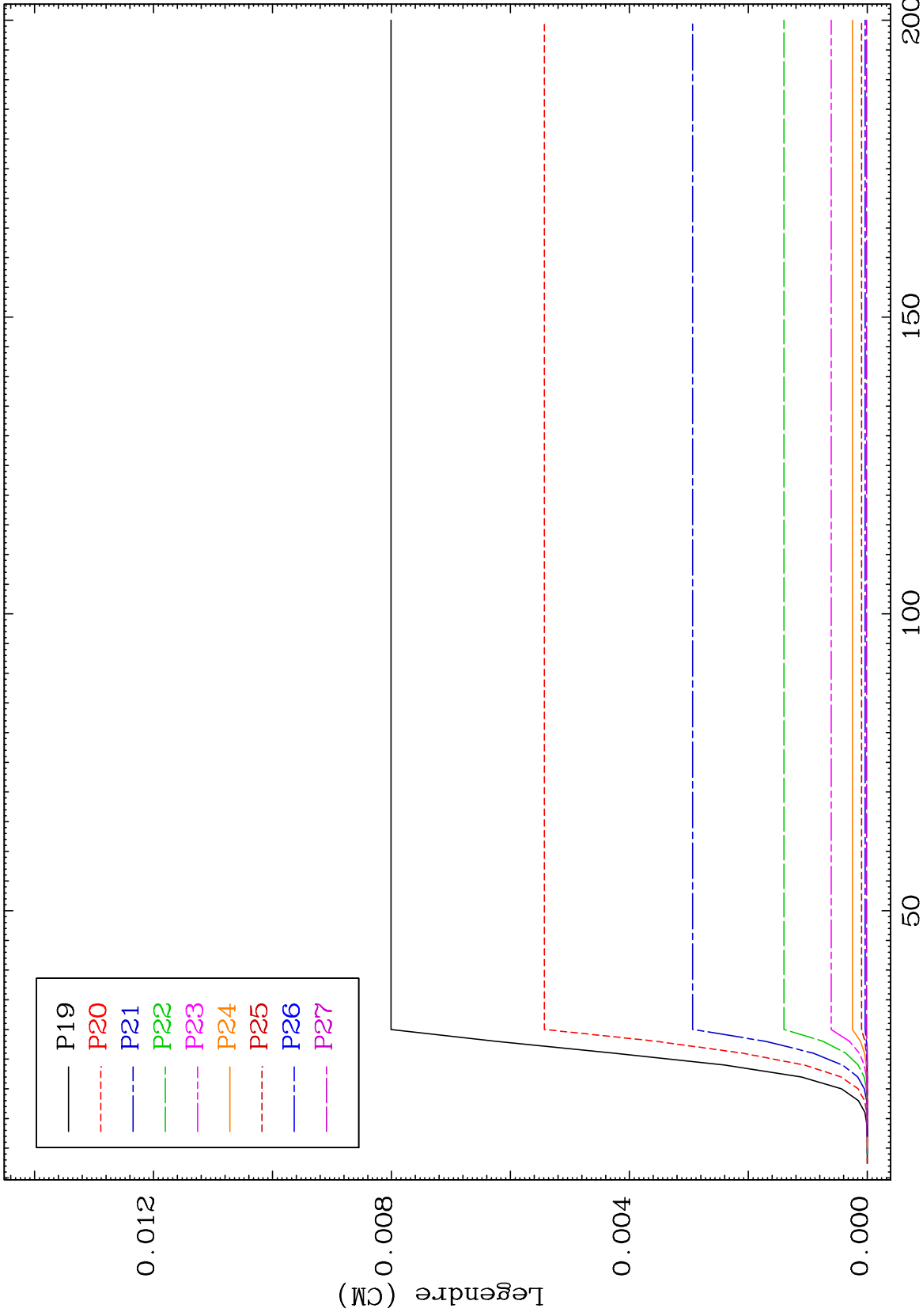


59 Incident Energy (MeV) 60-Nd-138

MAT 6013

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

60-Nd-138



60

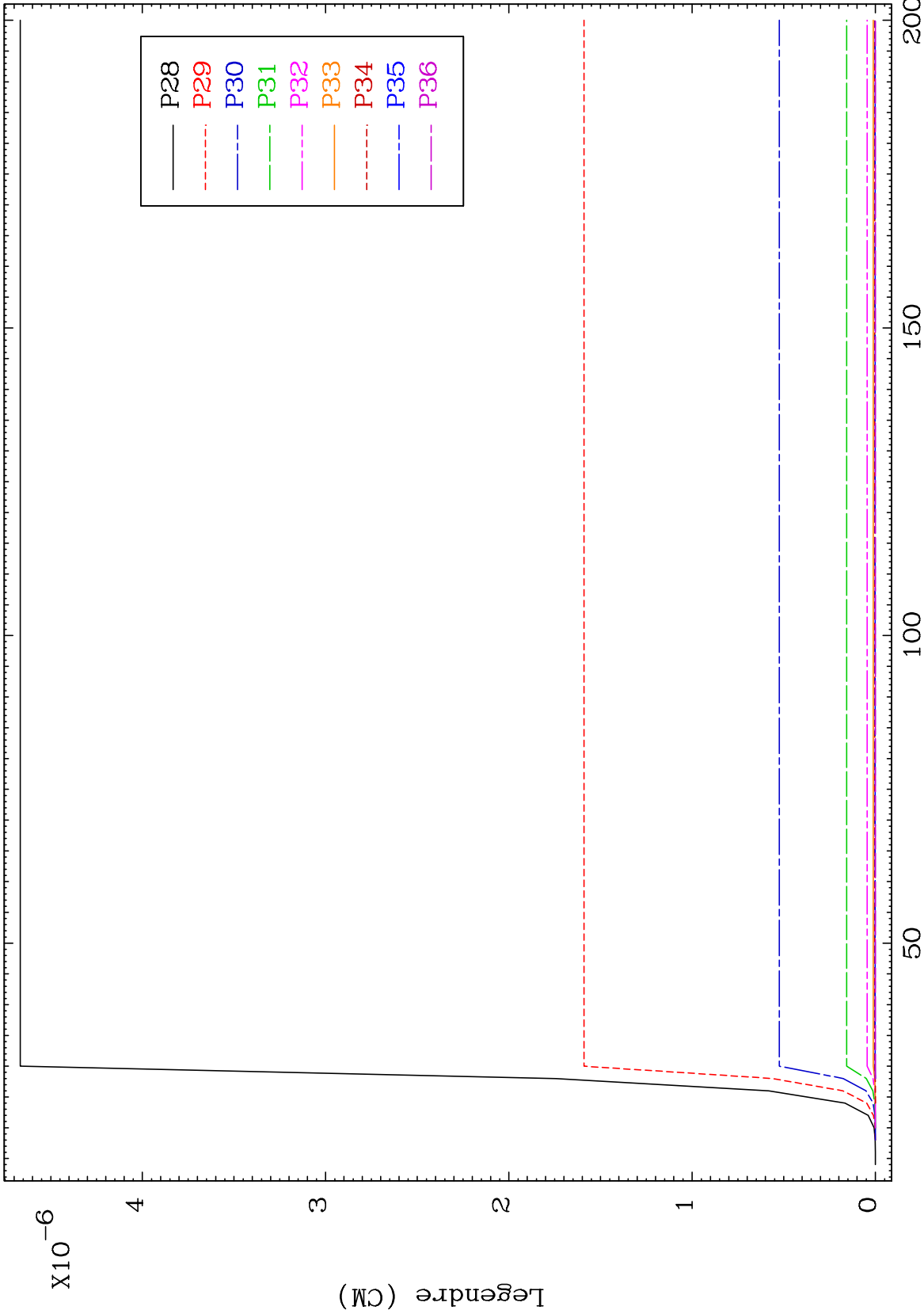
Incident Energy (MeV)

60-Nd-138

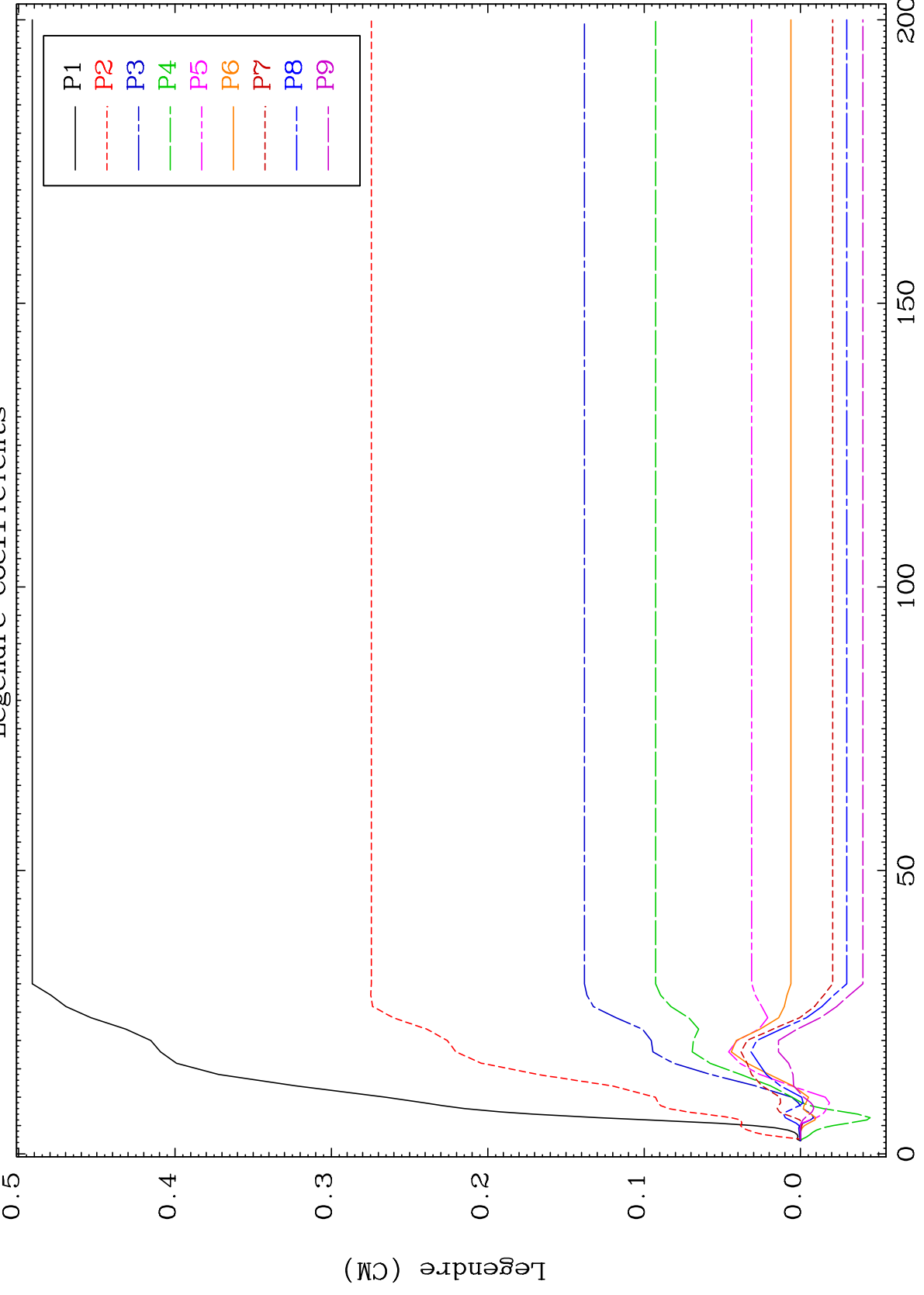
MAT 6013

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

60-Nd-138

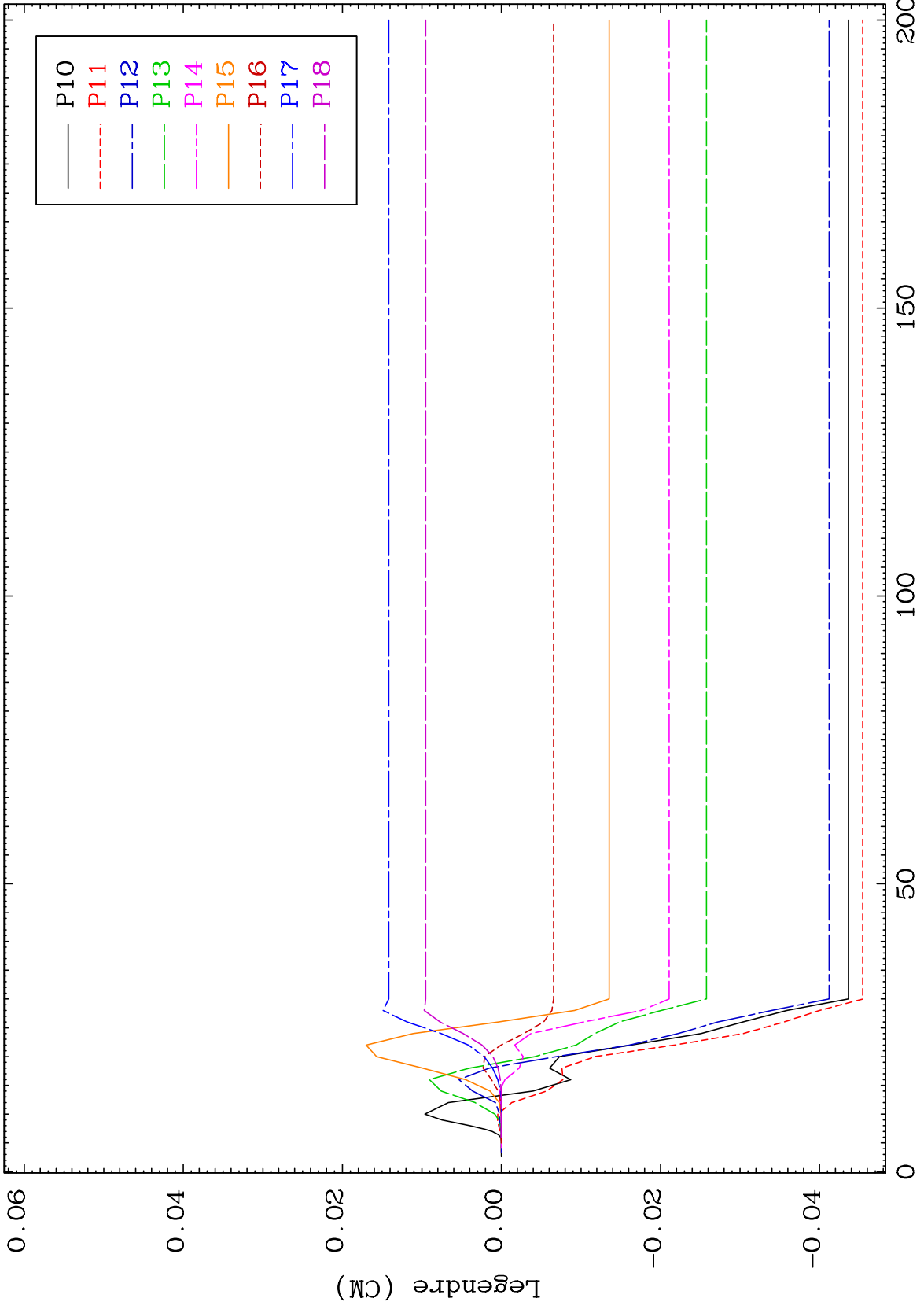


MAT 6013 MT= 62 (n,n') Level Legendre Coefficients 60-Nd-138



62 60-Nd-138

MAT 6013 MT= 62 (n,n') Level Legendre Coefficients 60-Nd-138

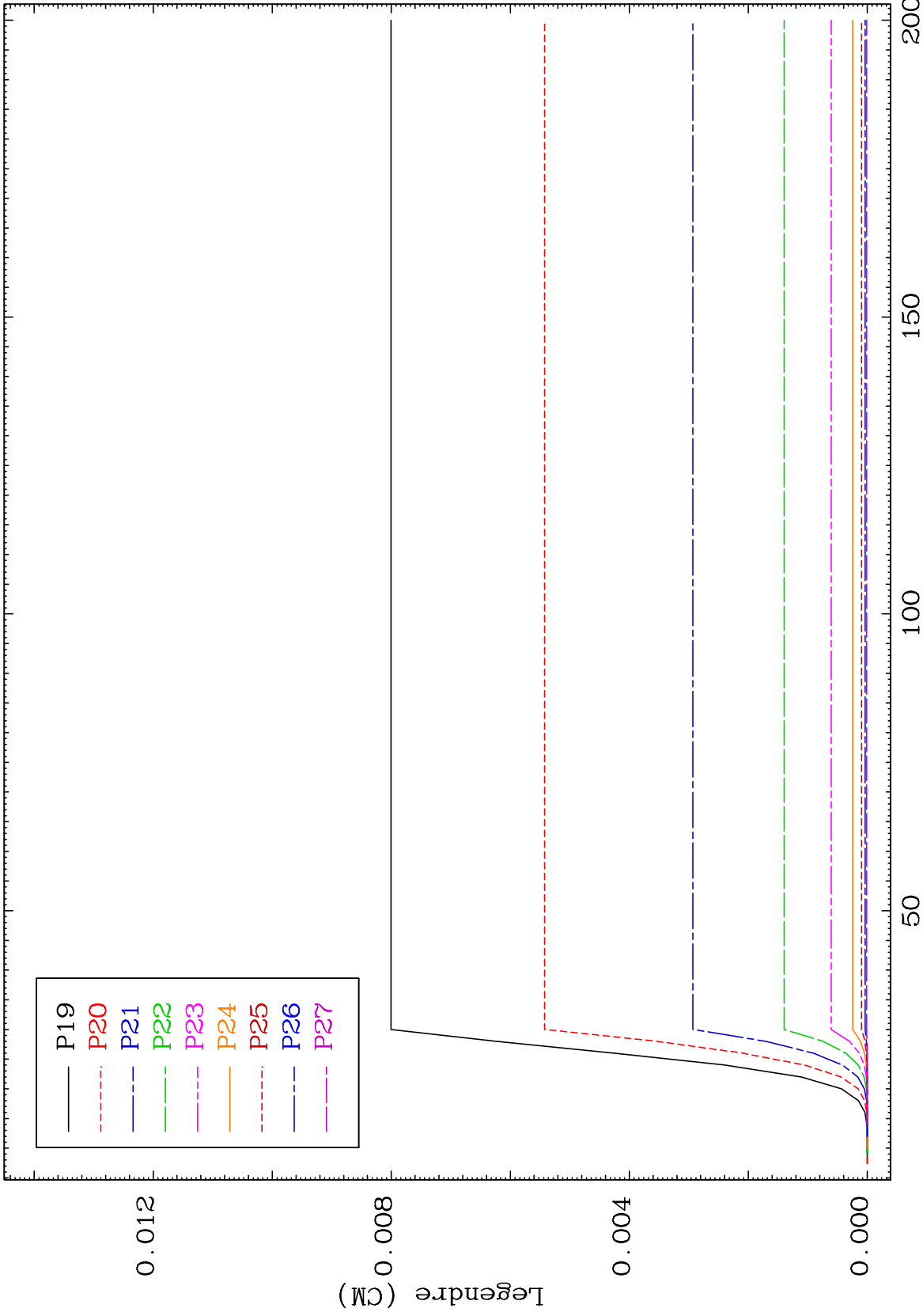


63 60-Nd-138

MAT 6013

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

60-Nd-138



64

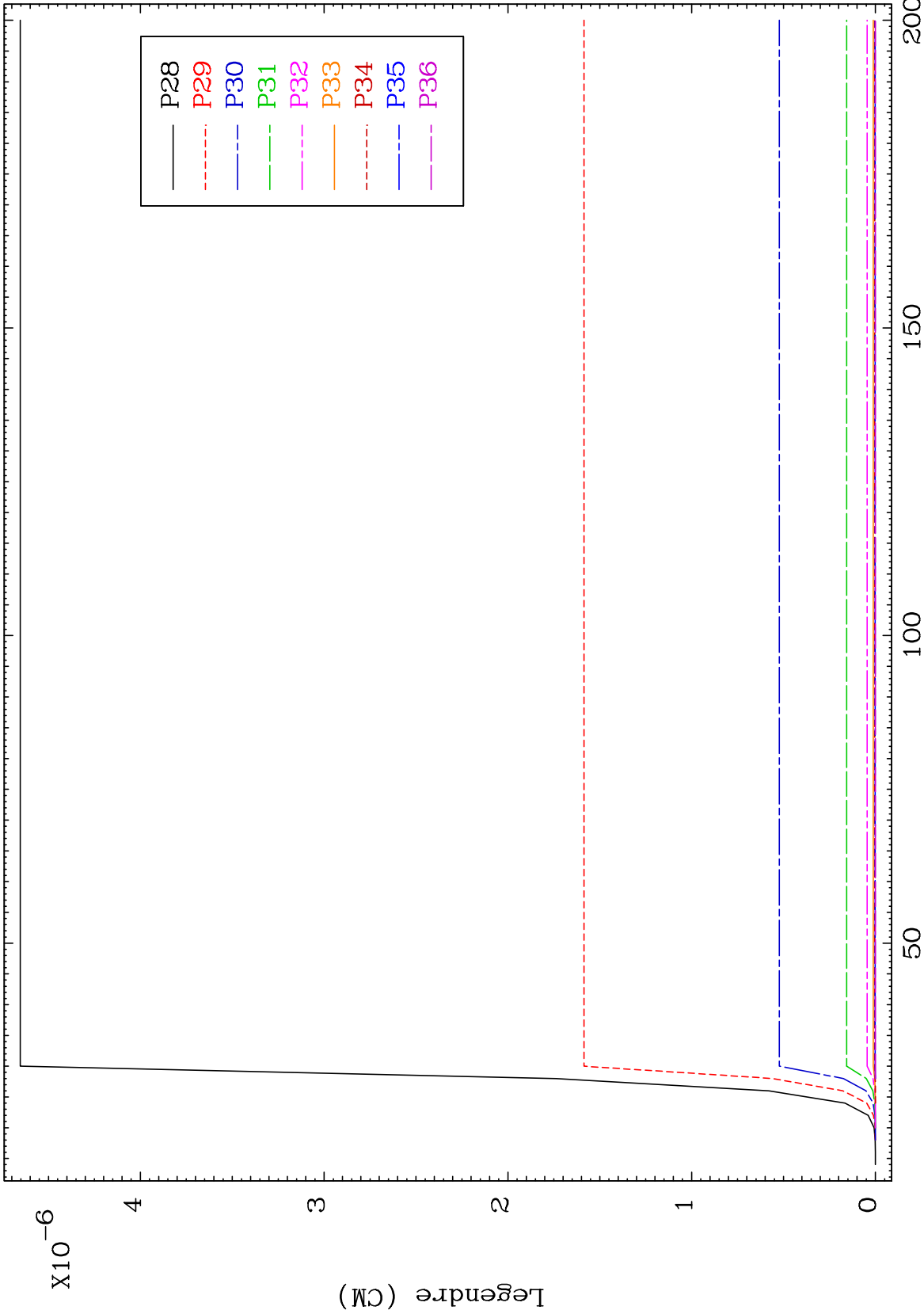
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

60-Nd-138



65

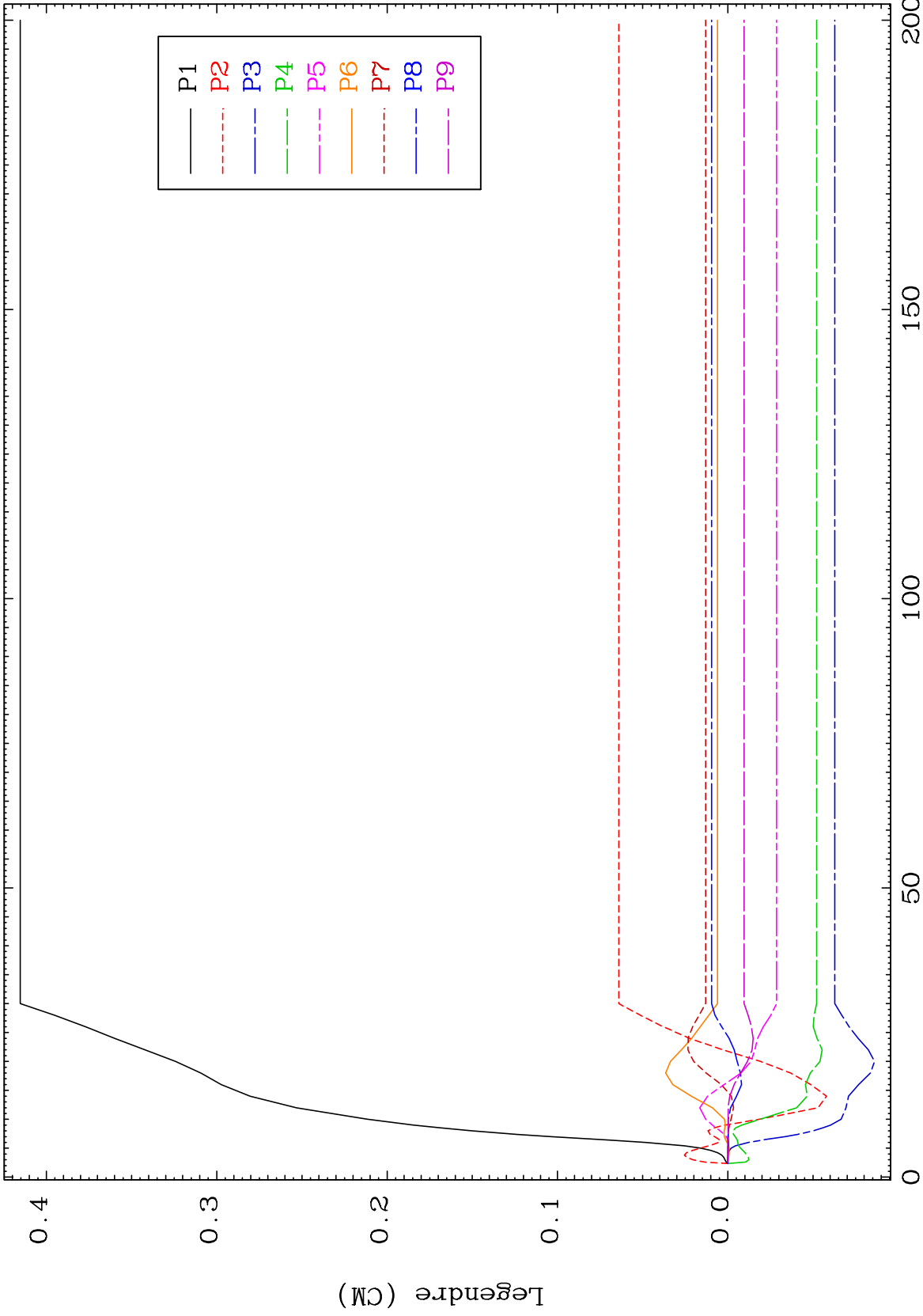
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

60-Nd-138



66

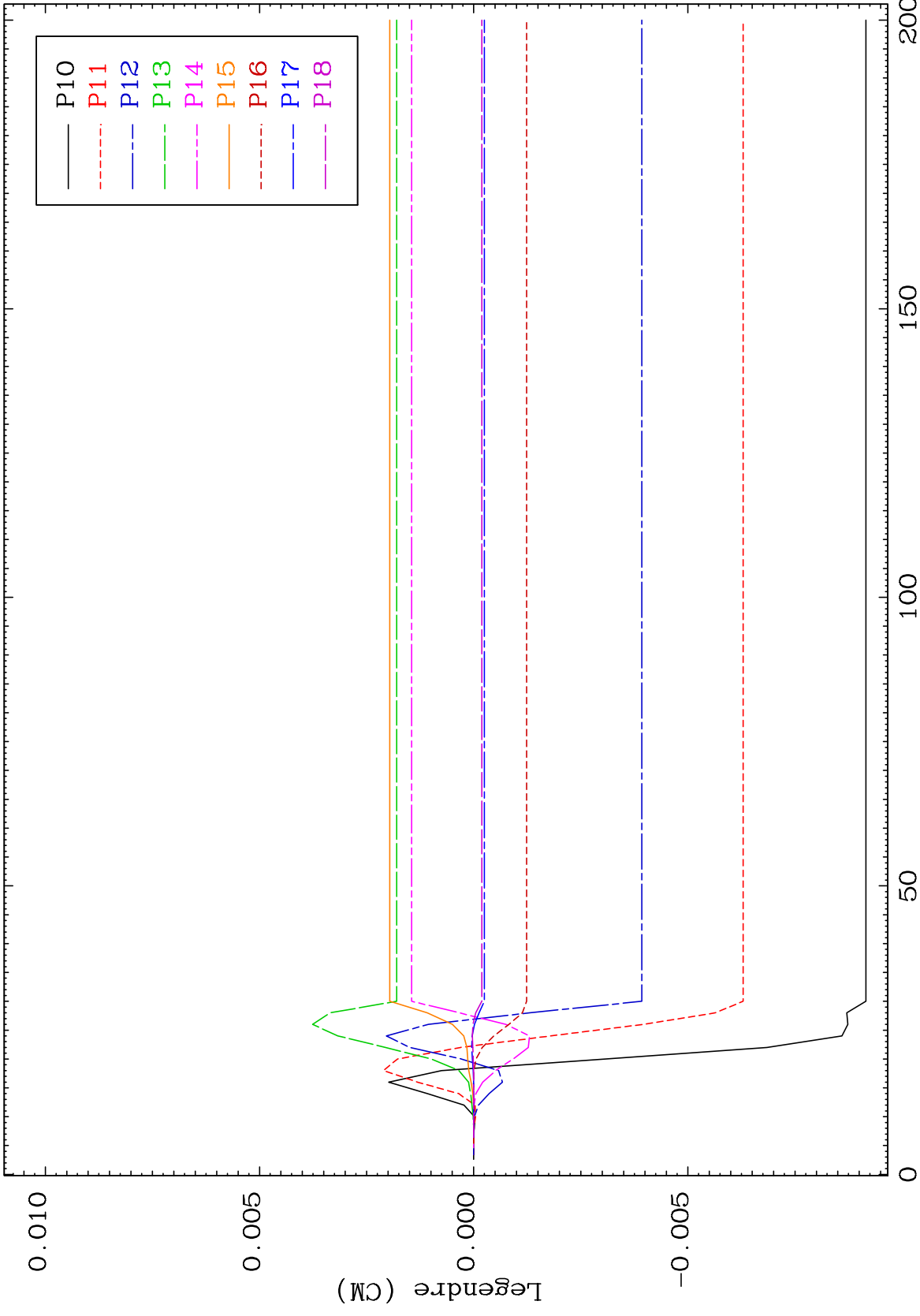
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

60-Nd-138

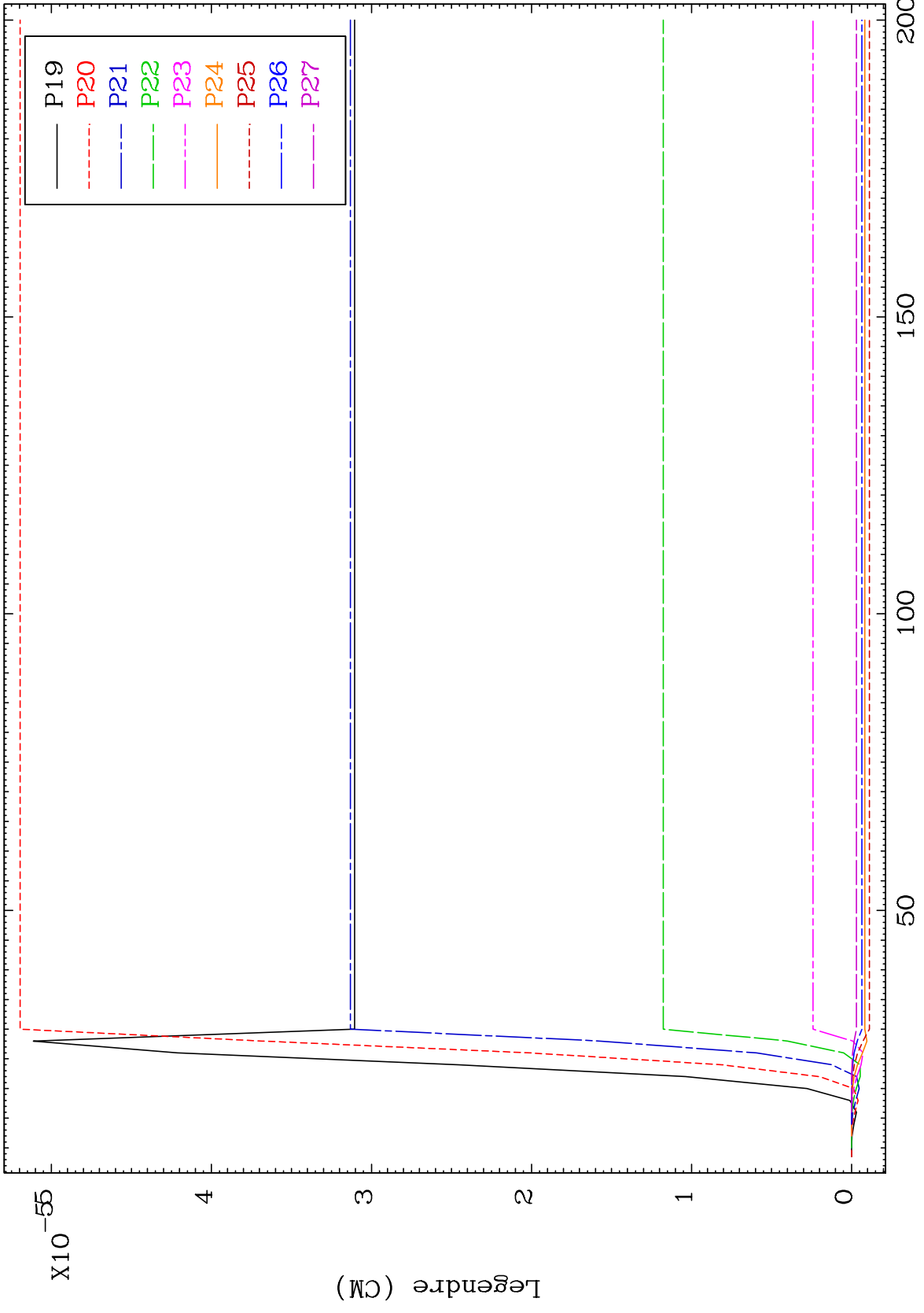


67

Incident Energy (MeV)

60-Nd-138

MAT 6013 MT= 63 (n,n') Level Legendre Coefficients 60-Nd-138

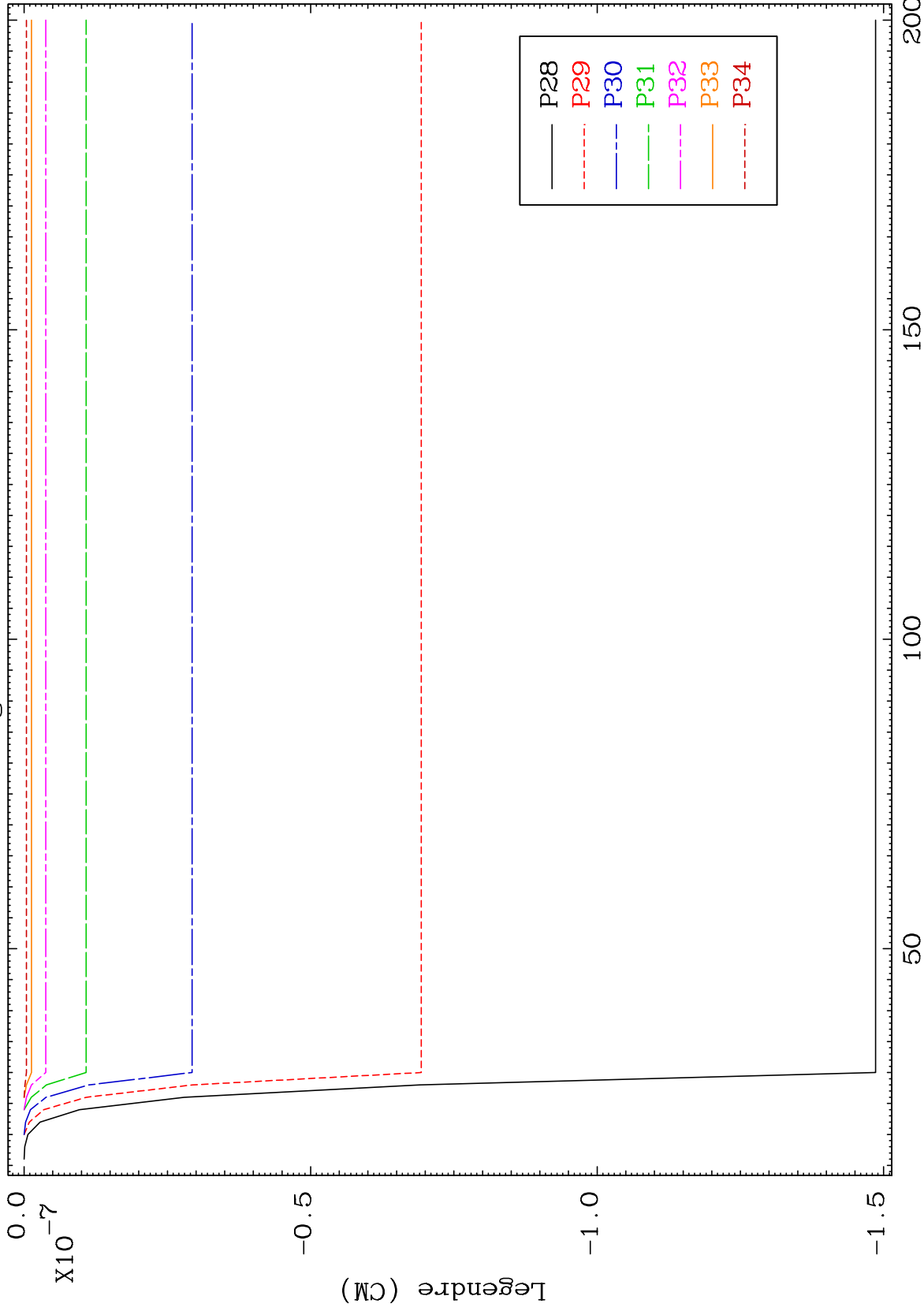


68 60-Nd-138

MAT 6013

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

60-Nd-138



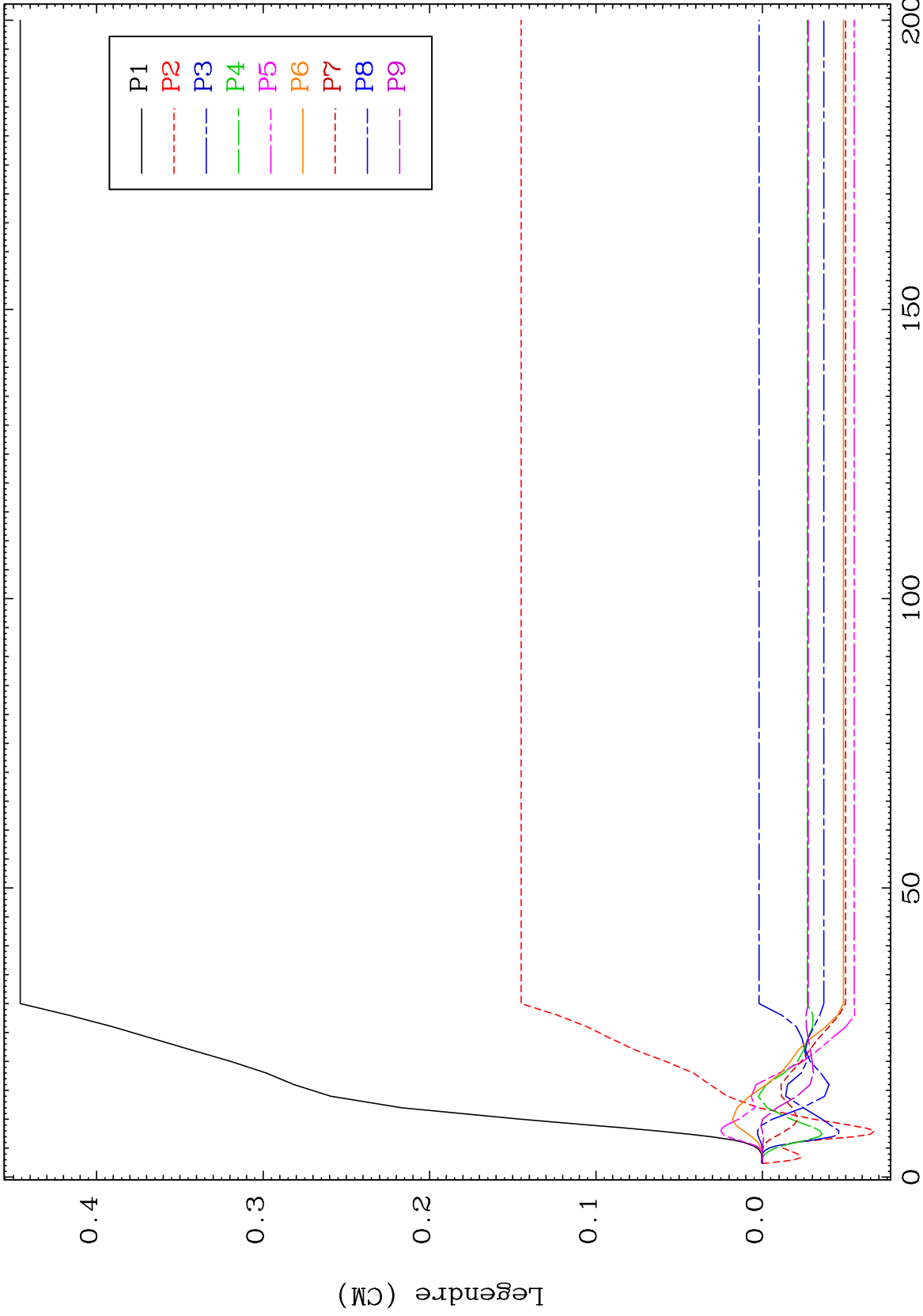
69

60-Nd-138

MAT 6013

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

60-Nd-138



70

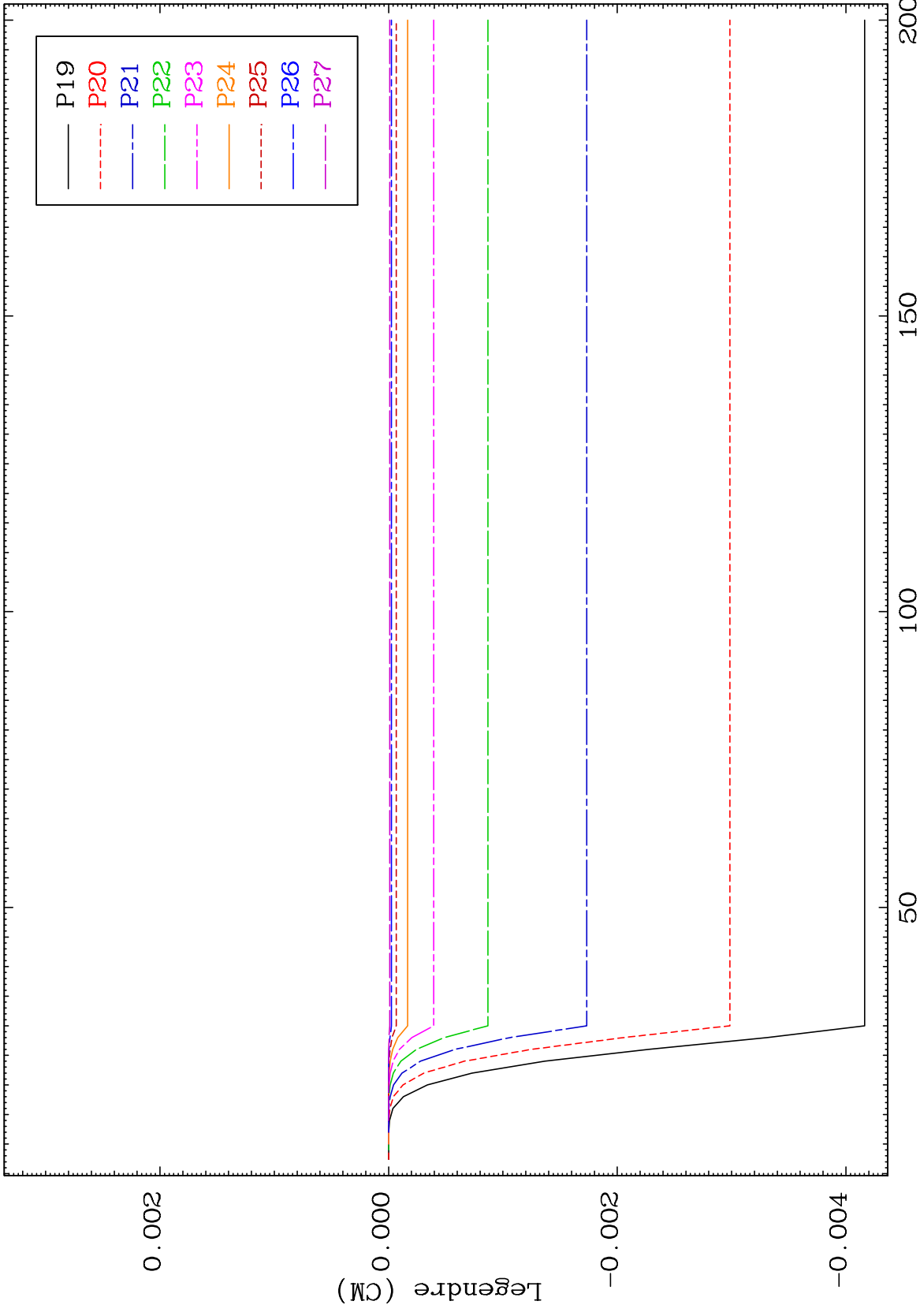
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

60-Nd-138



72

Incident Energy (MeV)

60-Nd-138

MAT 6013

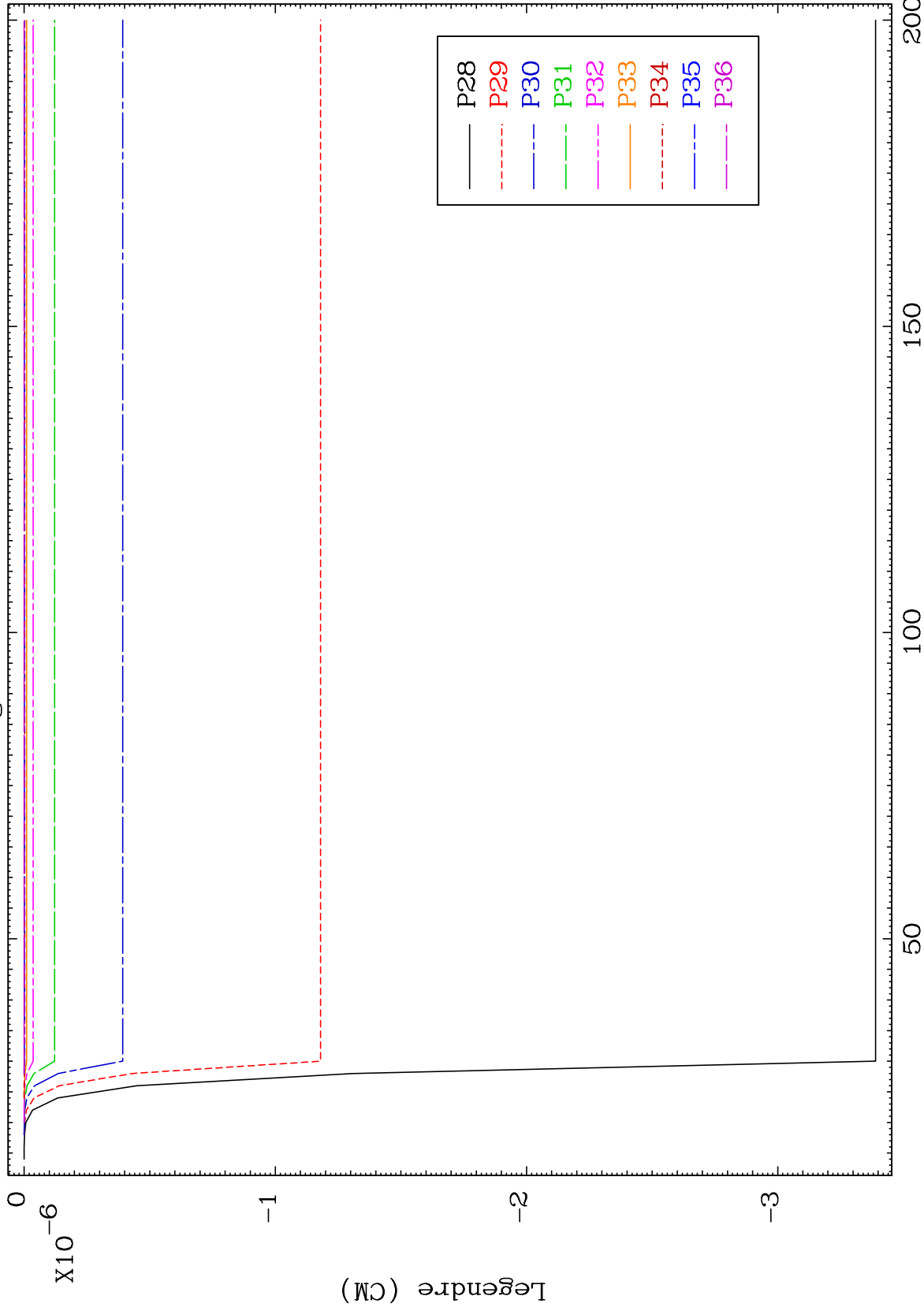
MT= 64 (n,n') Level
Legendre Coefficients

60-Nd-138

60-Nd-138

Incident Energy (MeV)

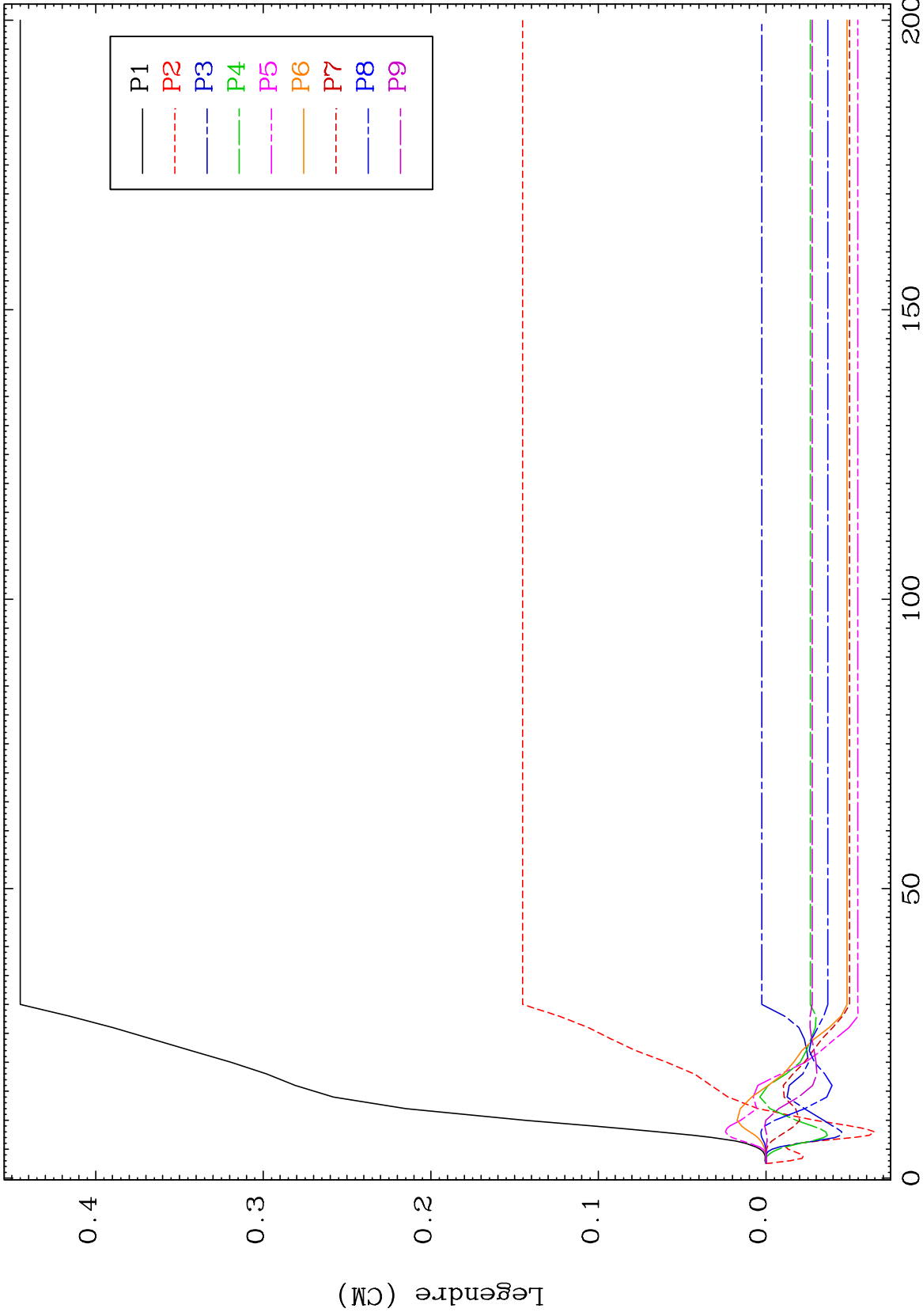
73



MAT 6013

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

60-Nd-138



74

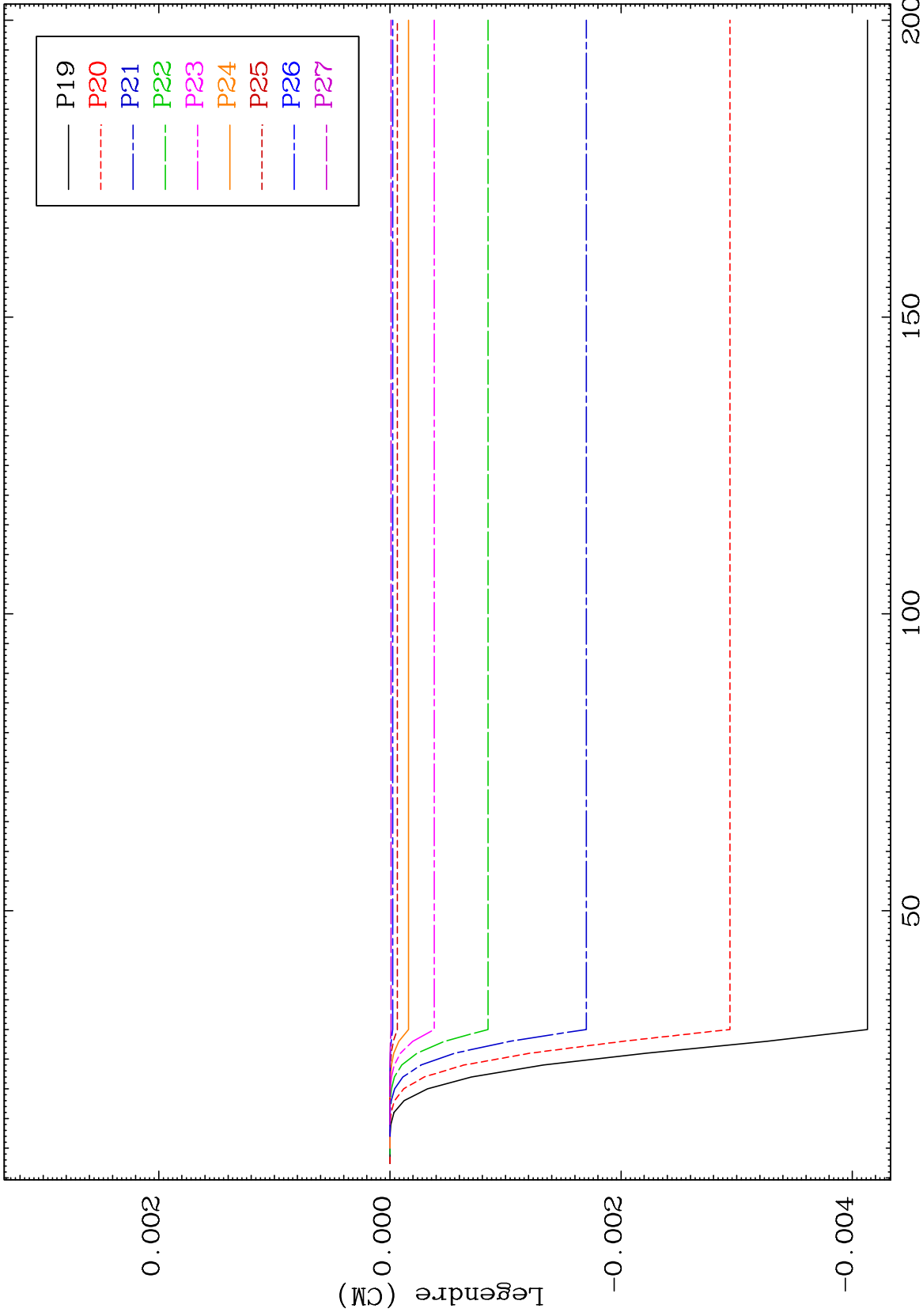
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

60-Nd-138



76

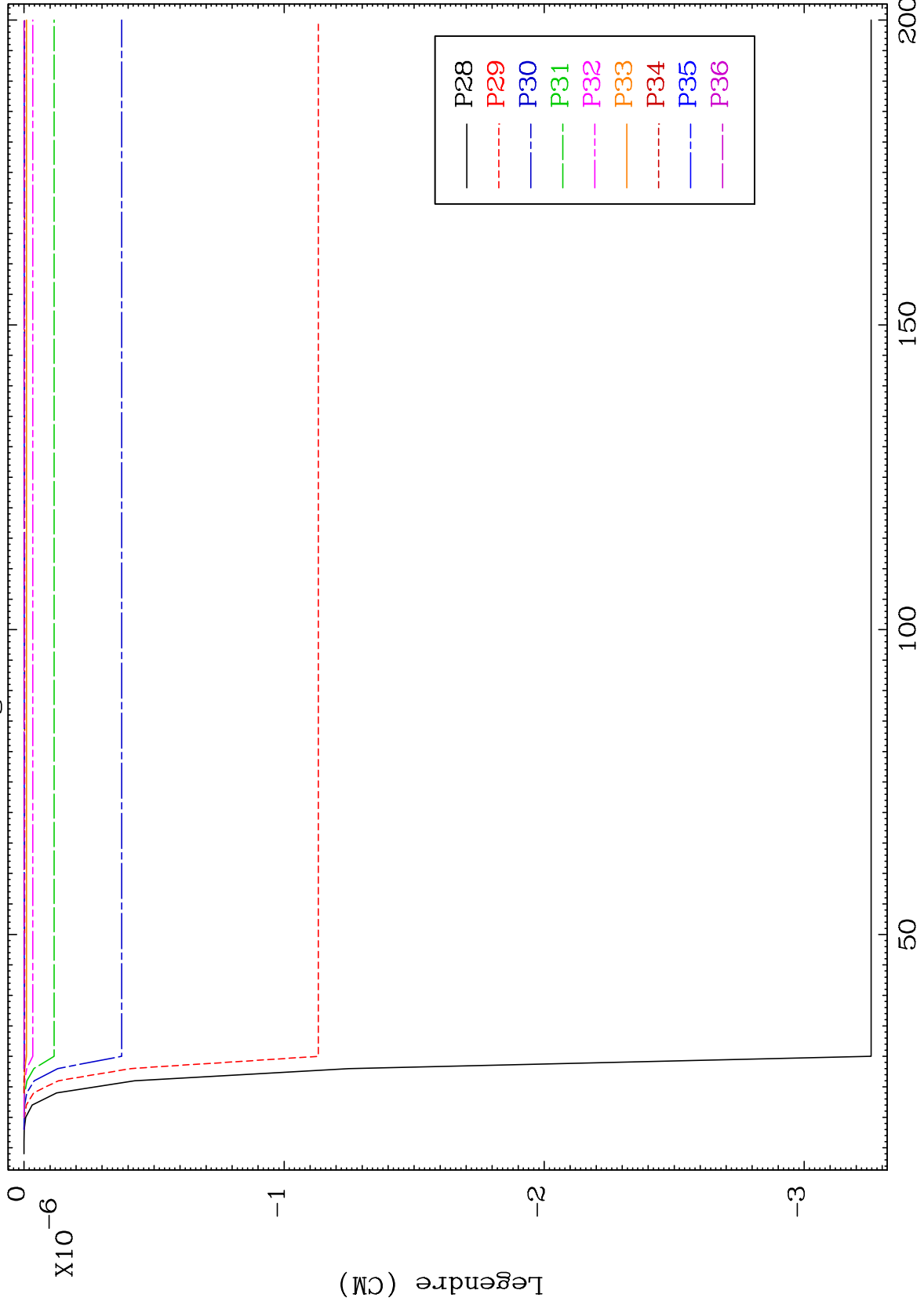
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

60-Nd-138

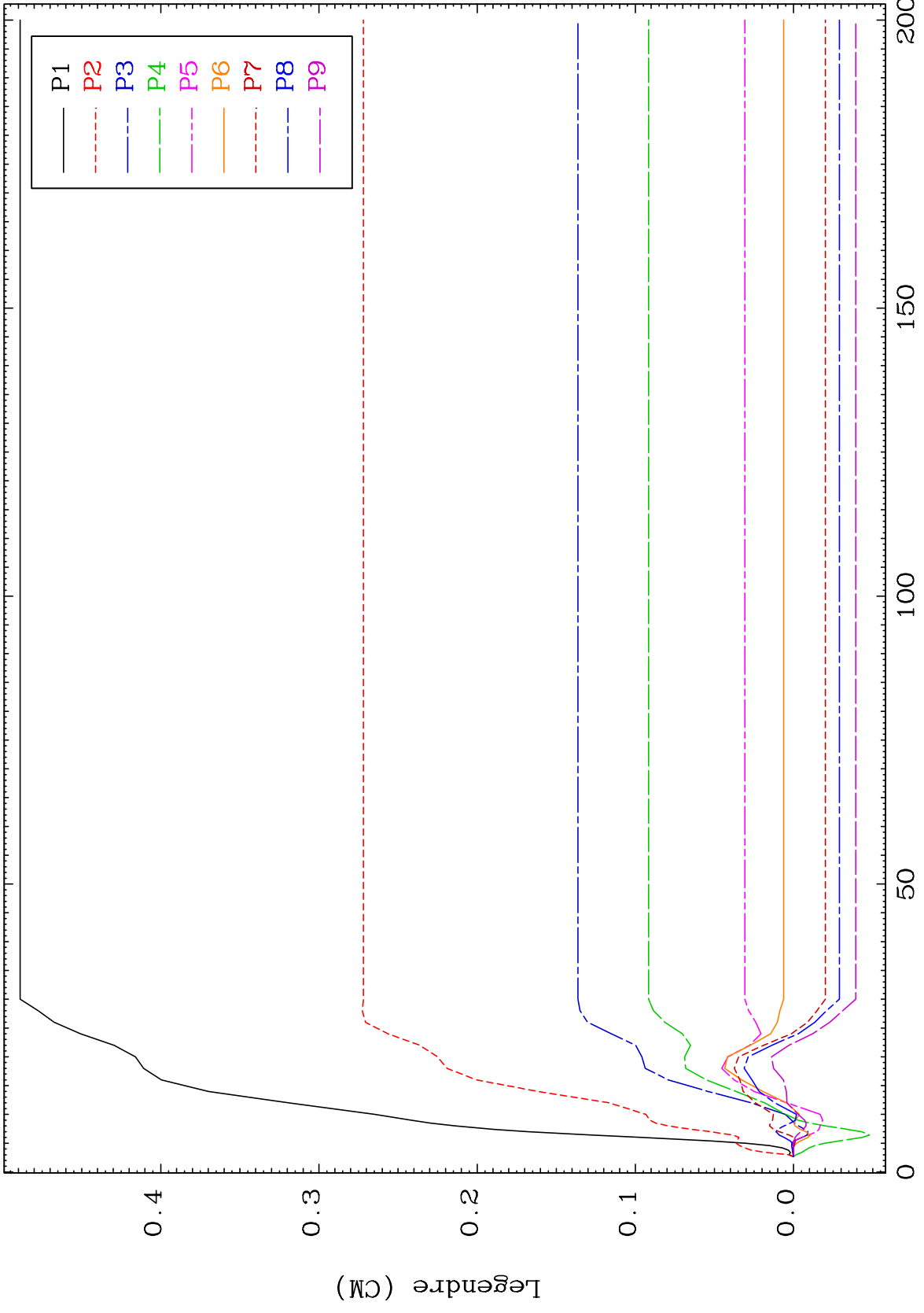


60-Nd-138

Incident Energy (MeV)

77

MAT 6013 MT= 66 (n,n') Level Legendre Coefficients 60-Nd-138



78 60-Nd-138

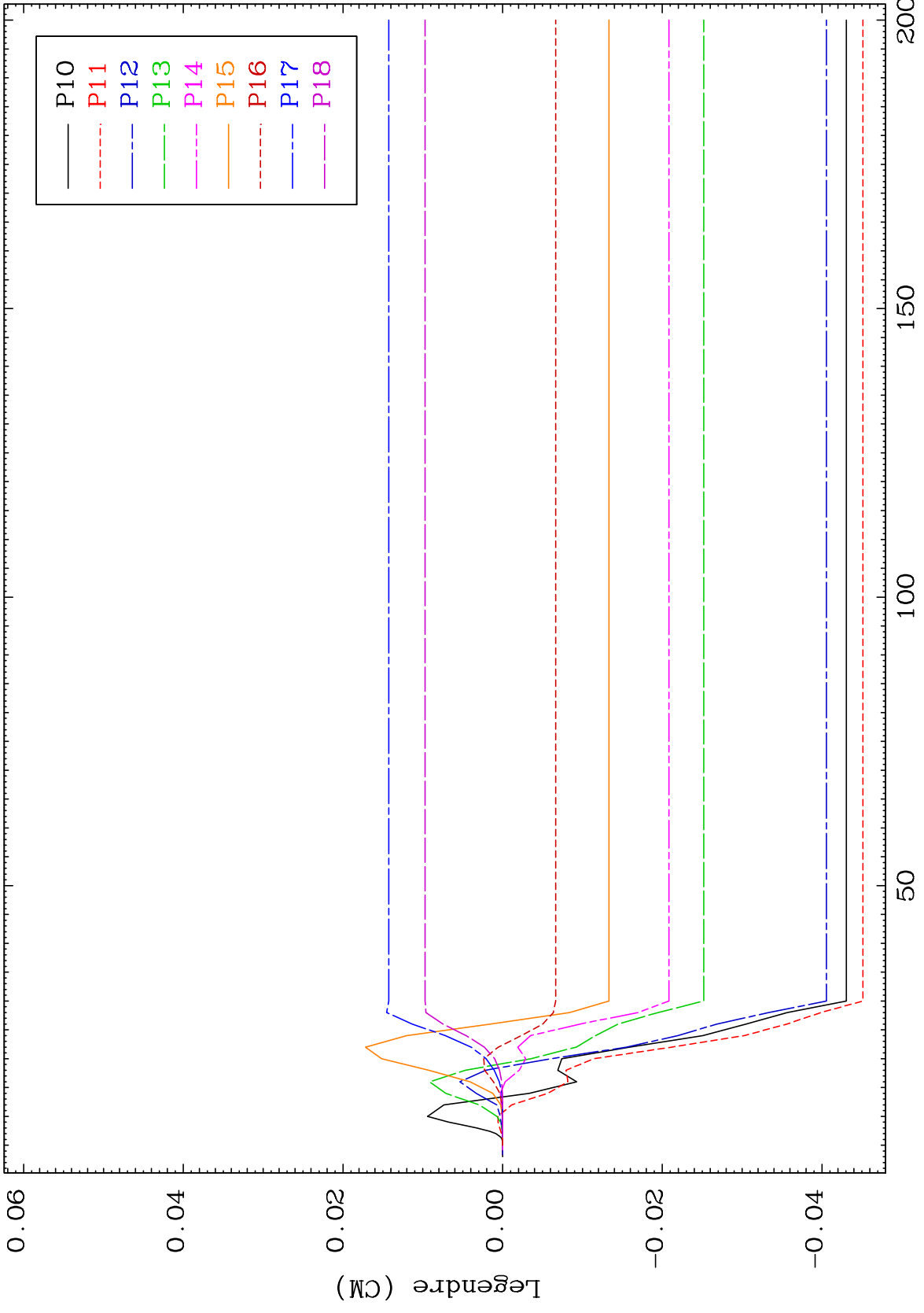
MAT 6013 MT= 66 (n,n') Level Legendre Coefficients

60-Nd-138

60-Nd-138

Incident Energy (MeV)

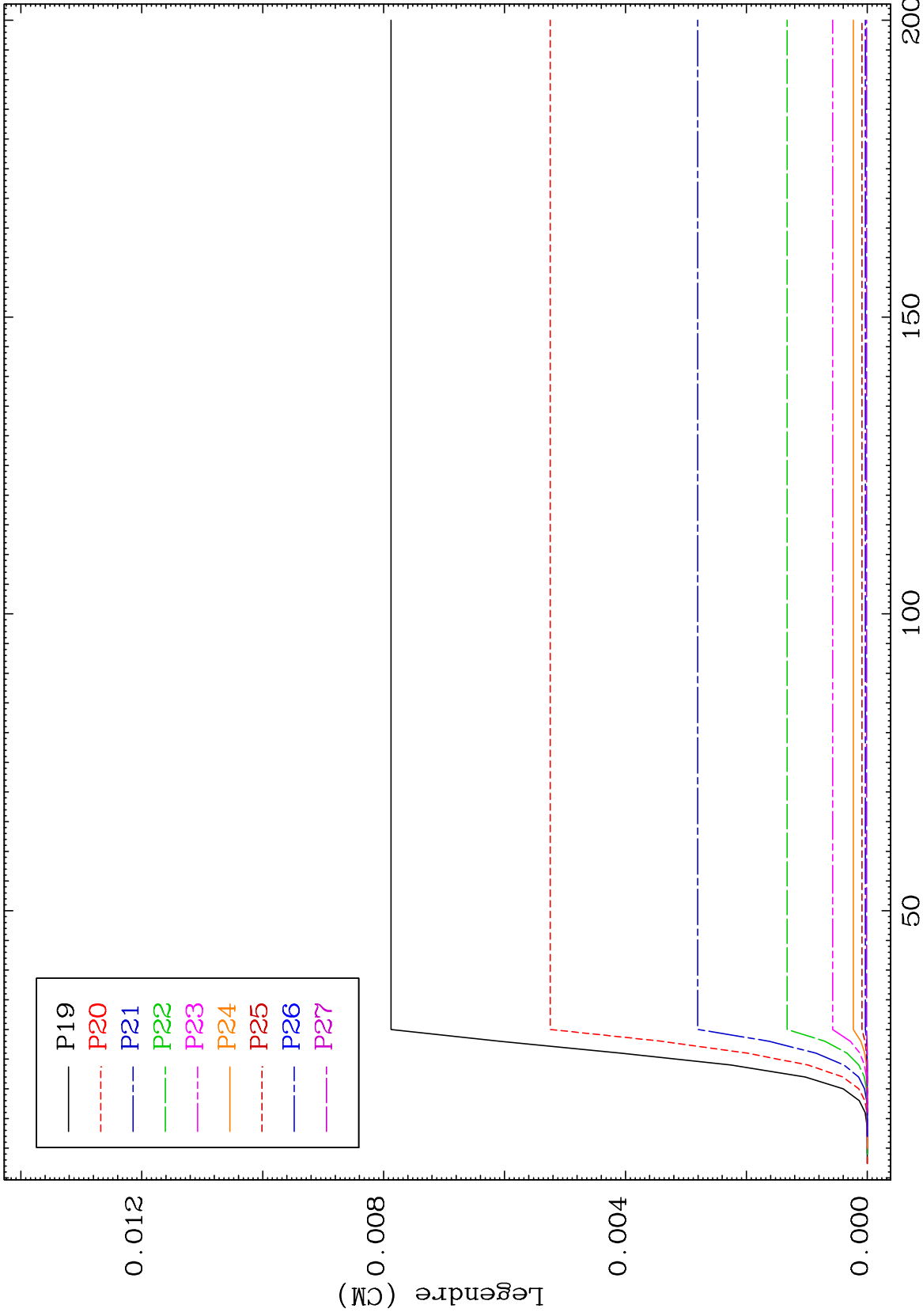
79



MAT 6013

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

60-Nd-138



80

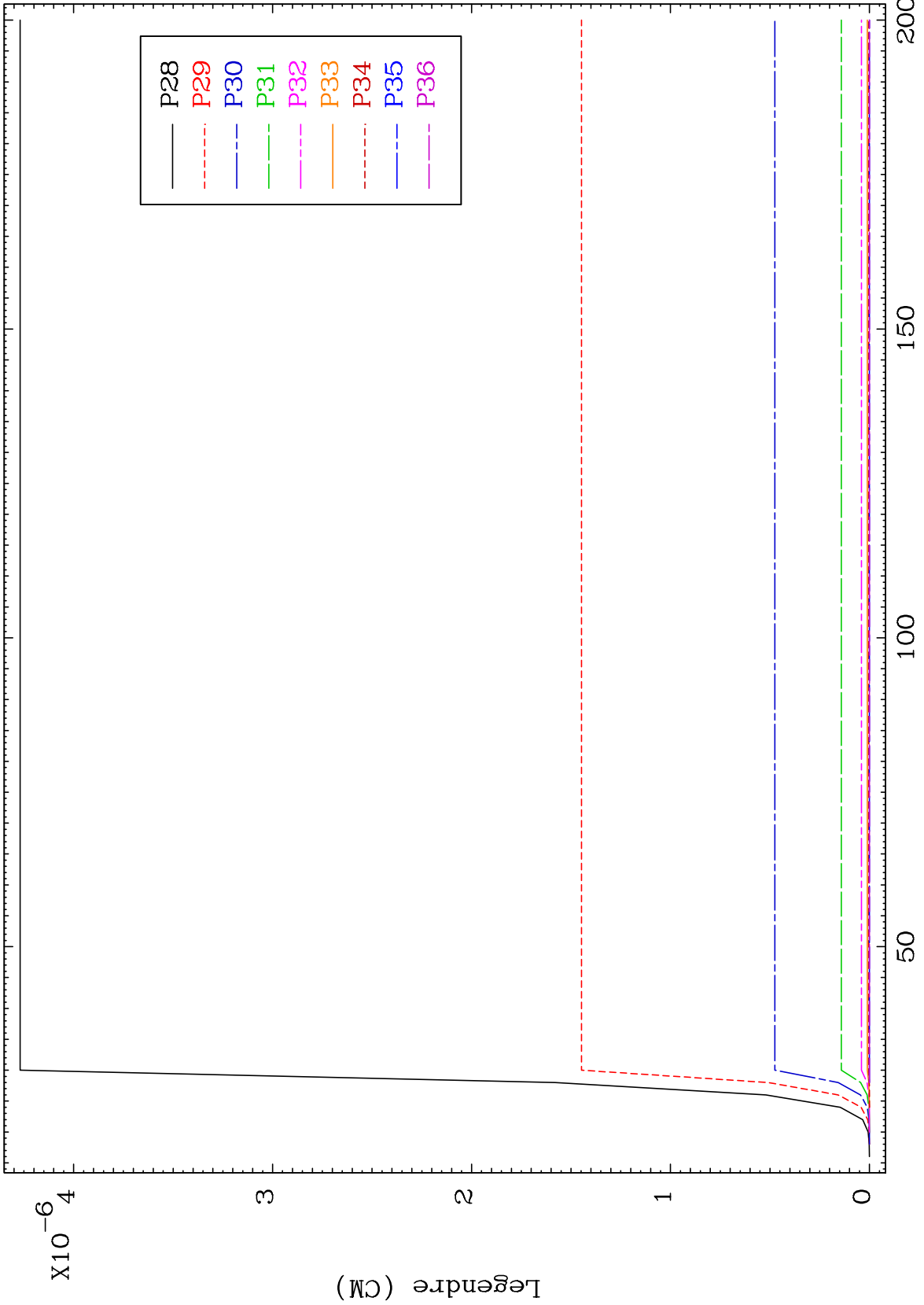
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

60-Nd-138



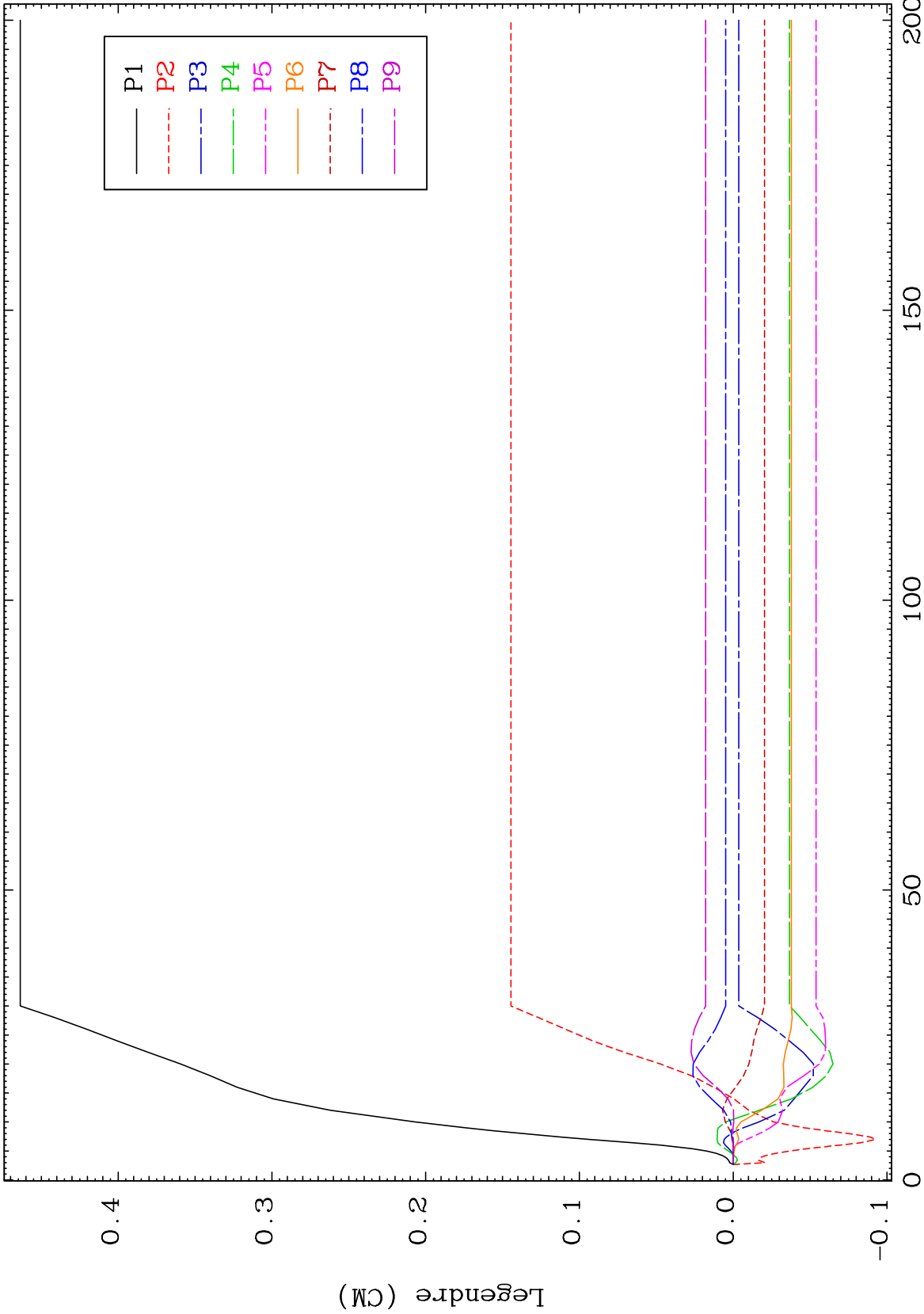
81

60-Nd-138

MAT 6013

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

60-Nd-138

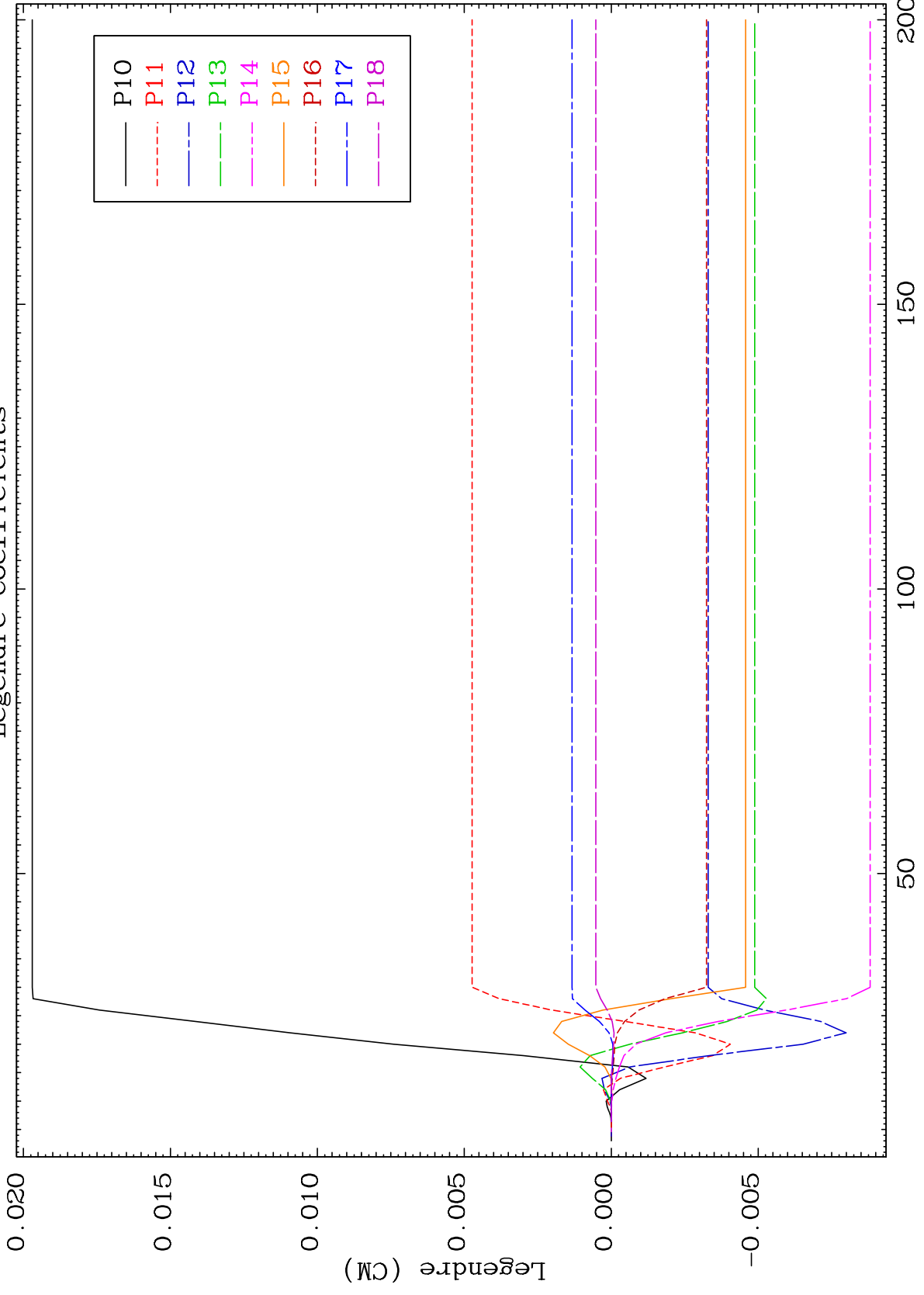


82

Incident Energy (MeV)

60-Nd-138

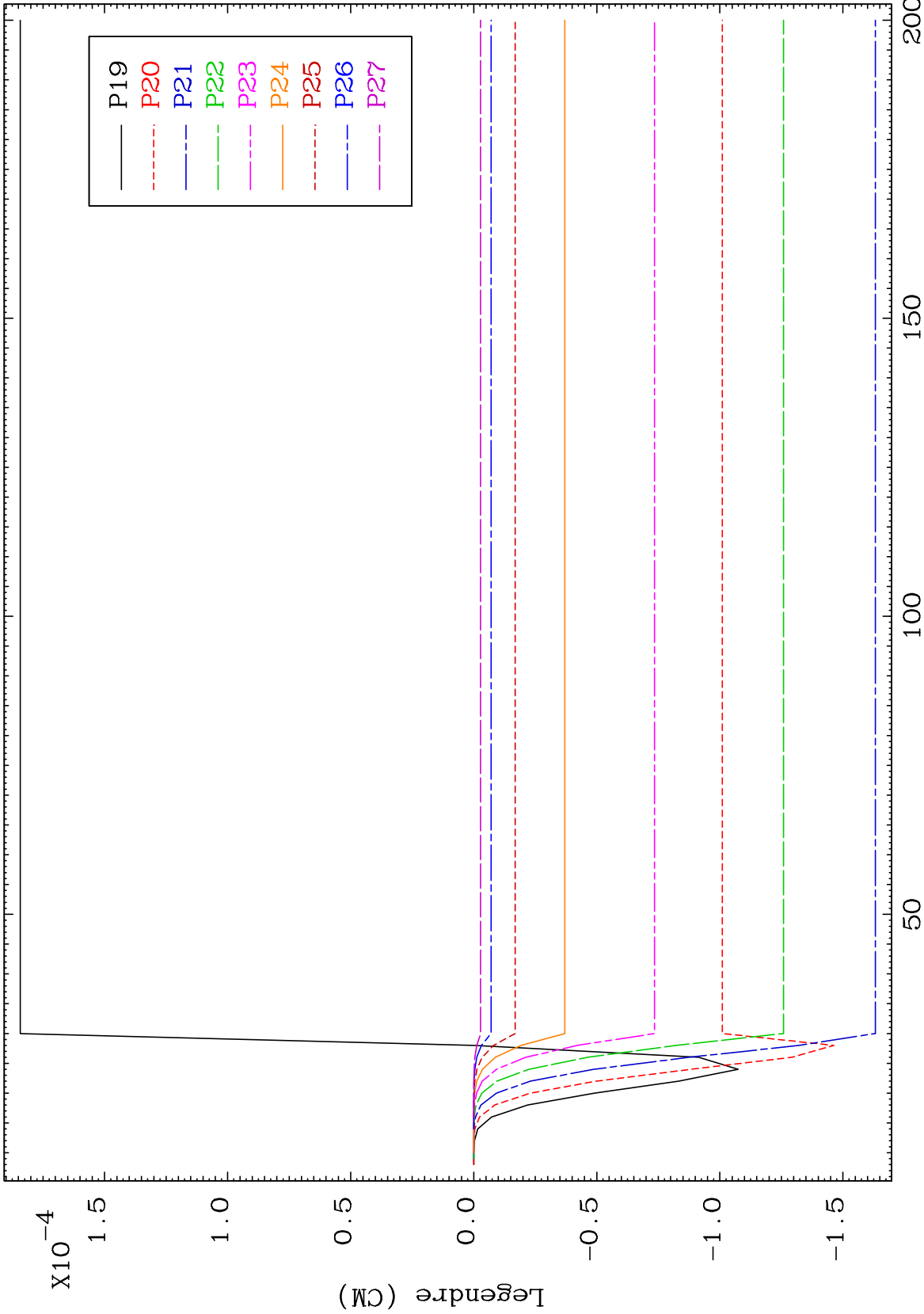
MAT 6013 MT= 67 (n,n') Level Legendre Coefficients 60-Nd-138



MAT 6013

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

60-Nd-138



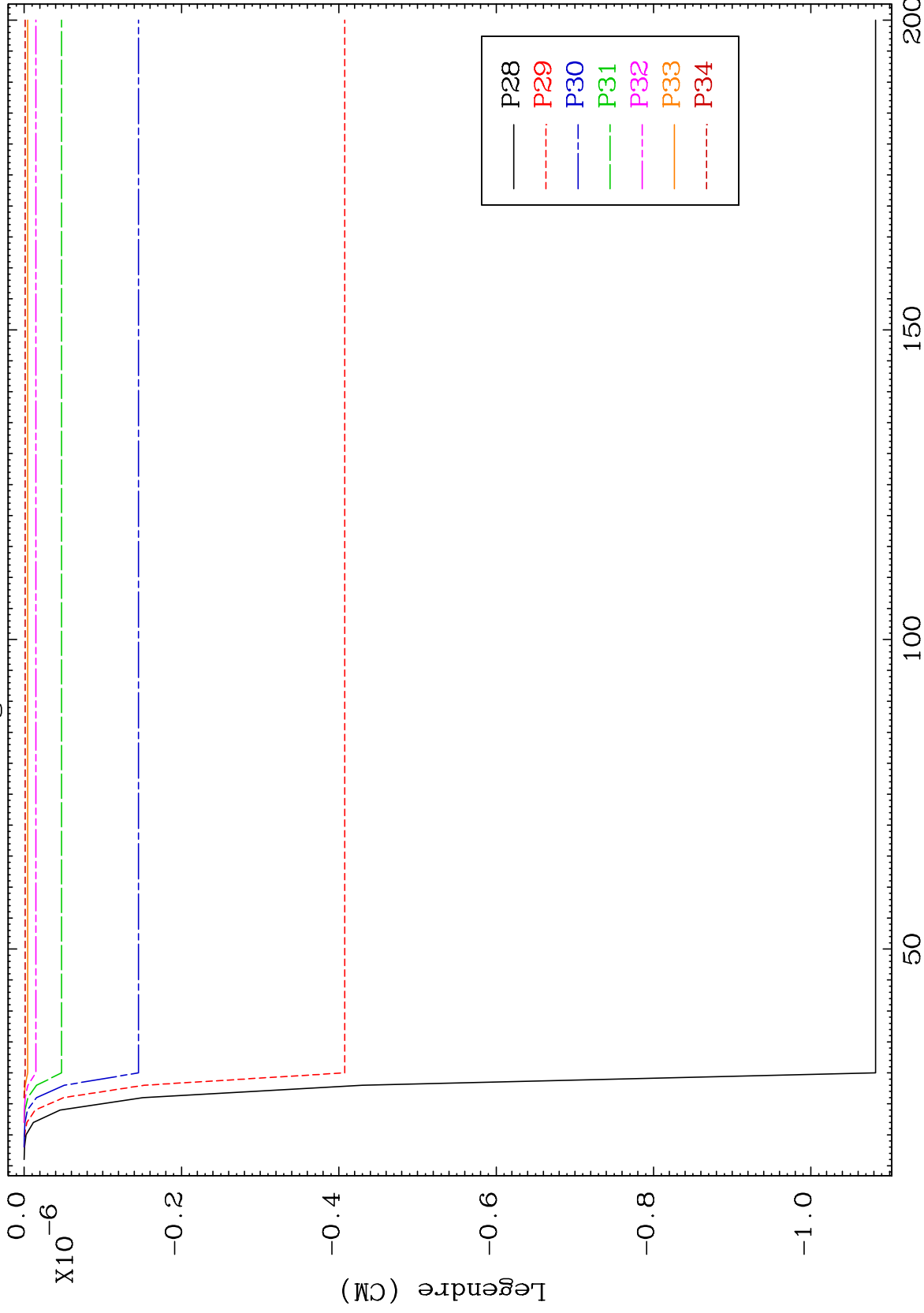
84

60-Nd-138

MAT 6013

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

60-Nd-138



85

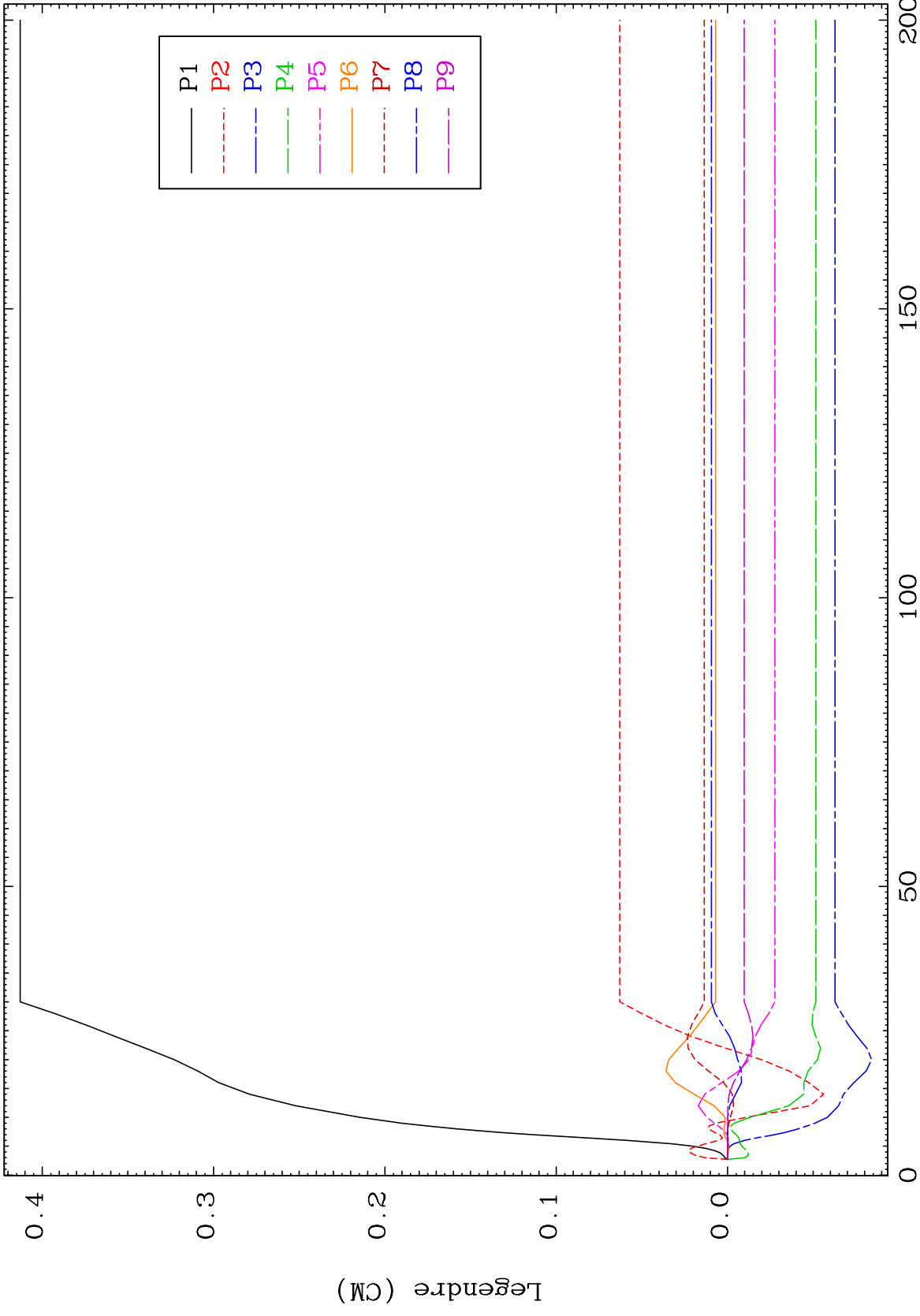
60-Nd-138

200

MAT 6013

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

60-Nd-138



86

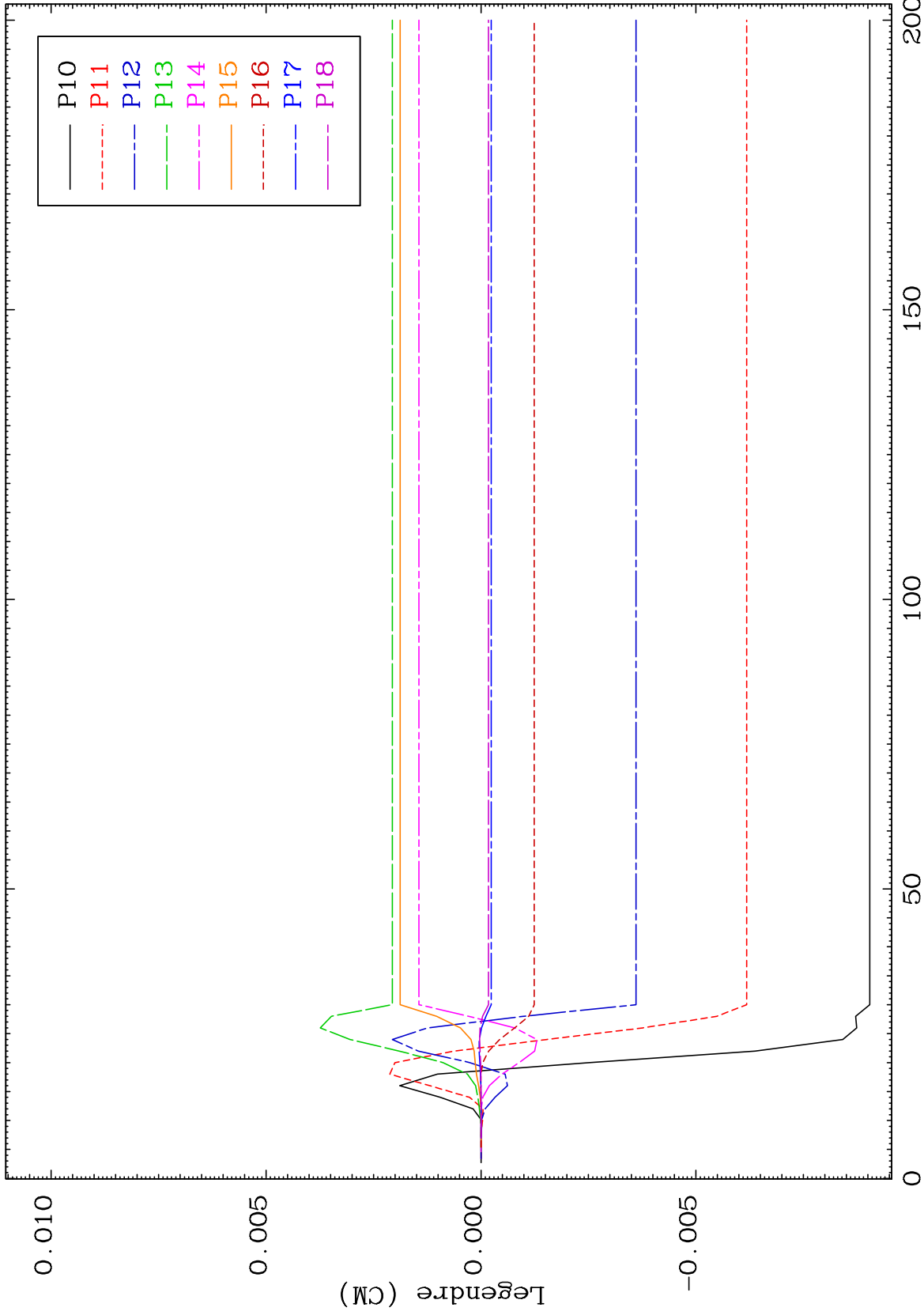
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

60-Nd-138



87

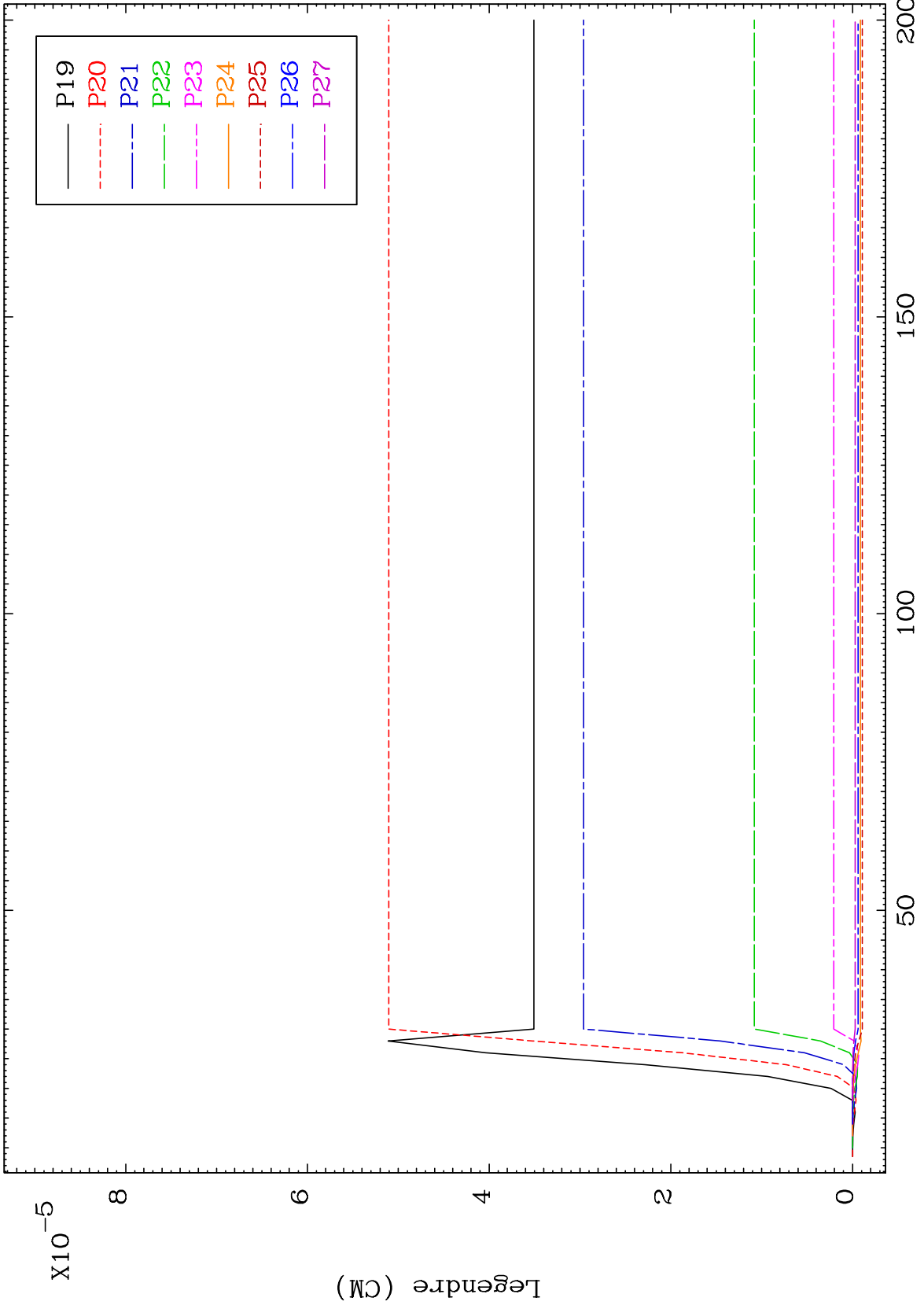
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

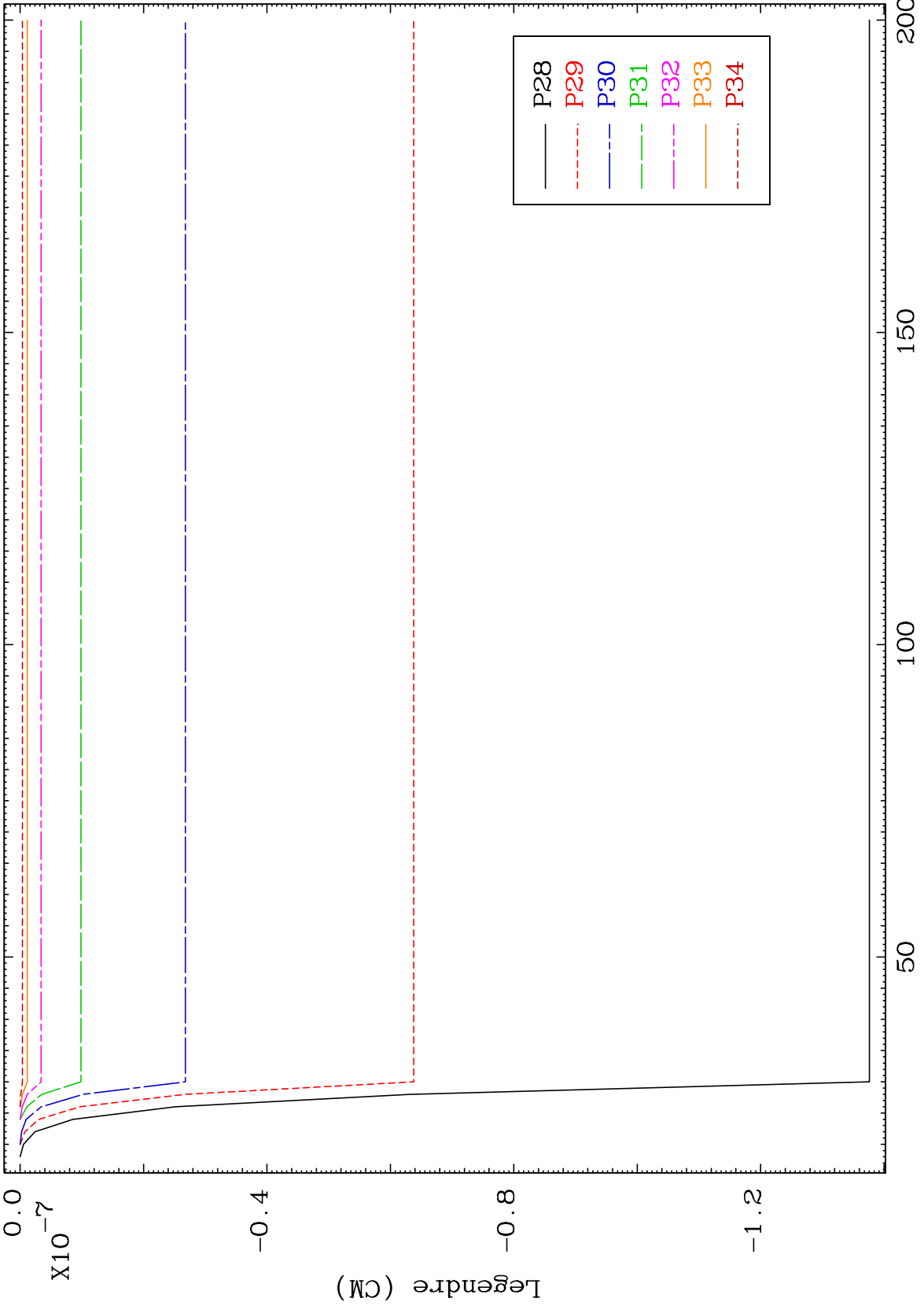
60-Nd-138



88

60-Nd-138

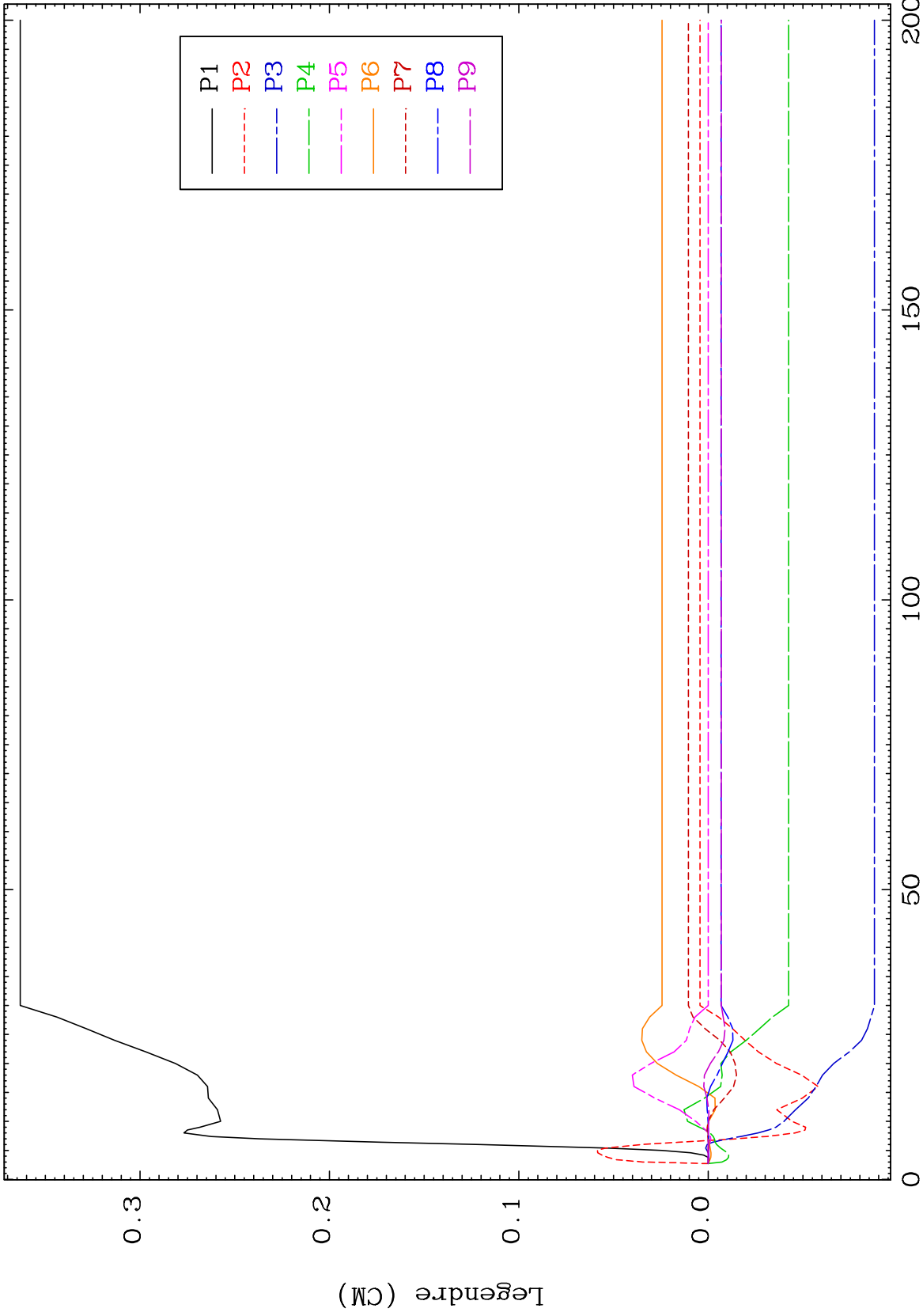
MAT 6013 MT= 68 (n,n') Level Legendre Coefficients 60-Nd-138



MAT 6013

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

60-Nd-138



90

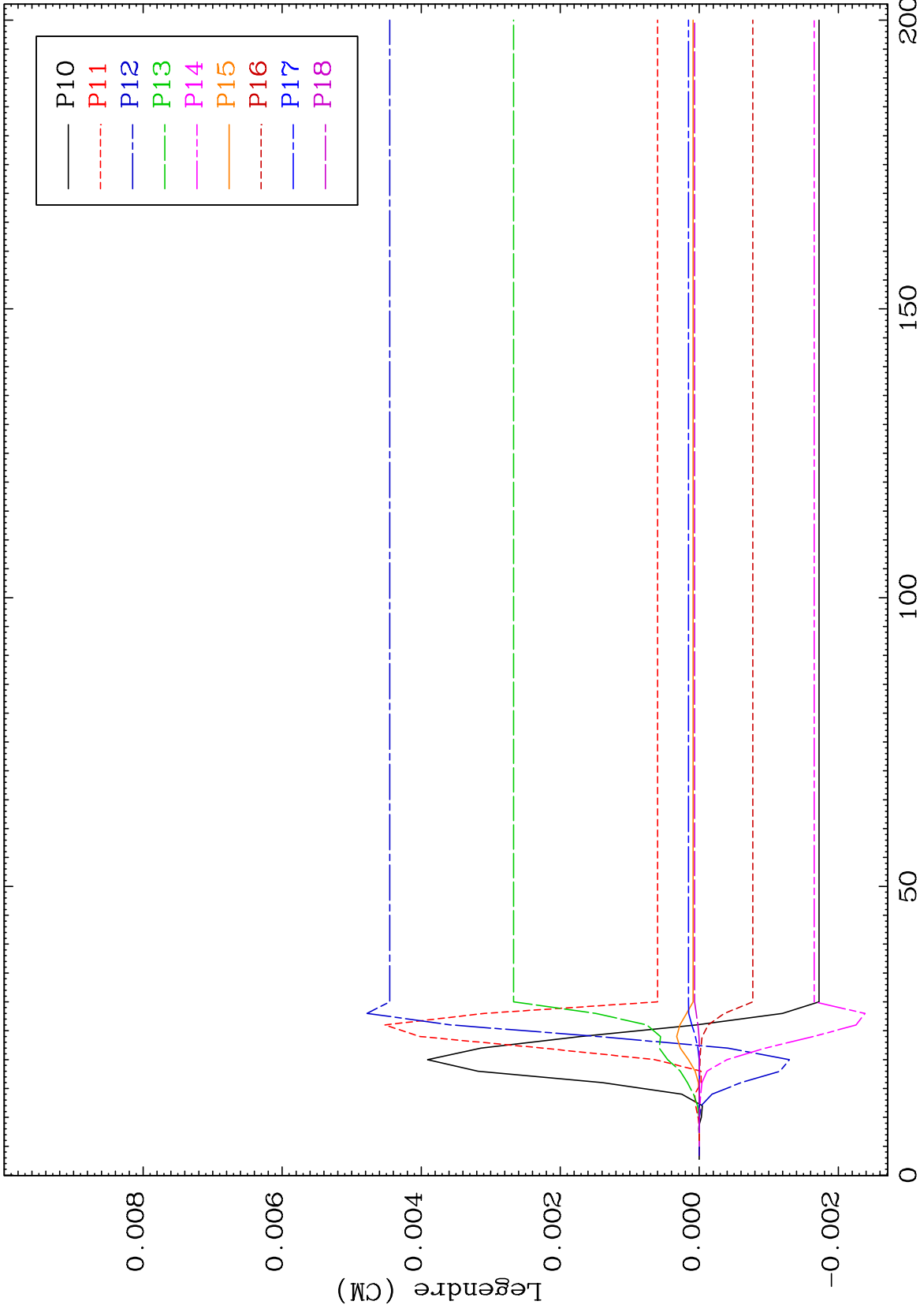
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

60-Nd-138



91

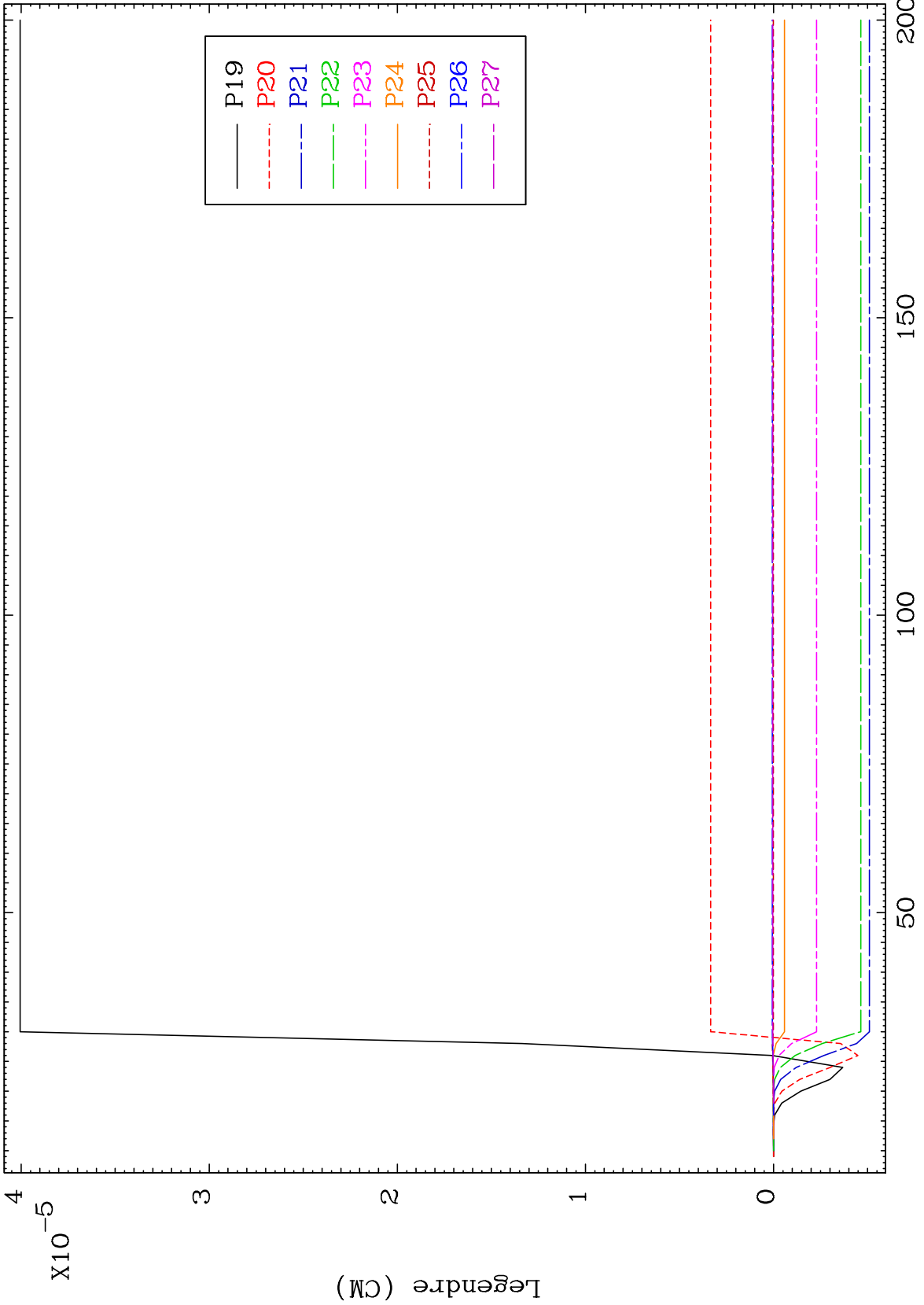
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

60-Nd-138



92

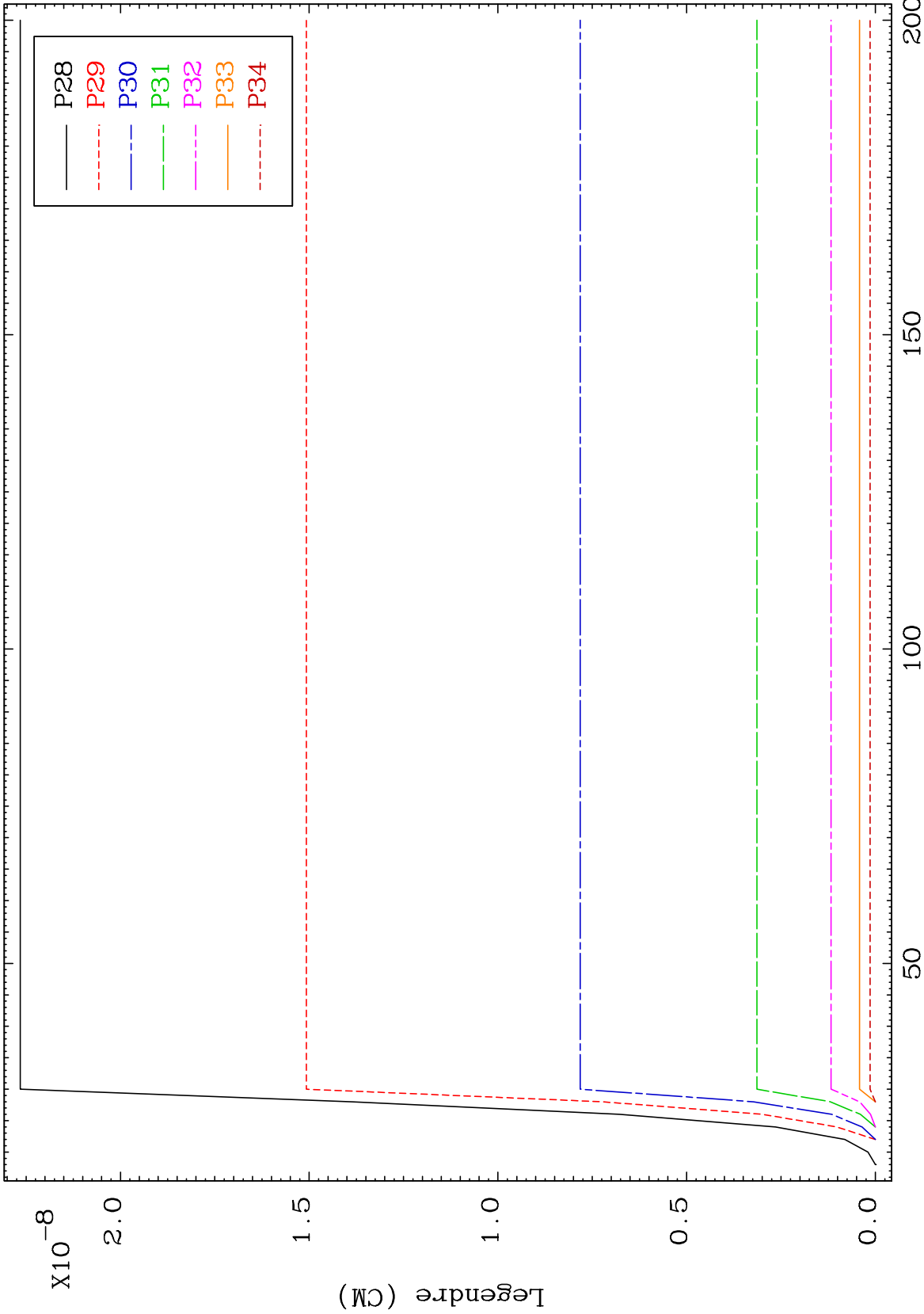
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

60-Nd-138

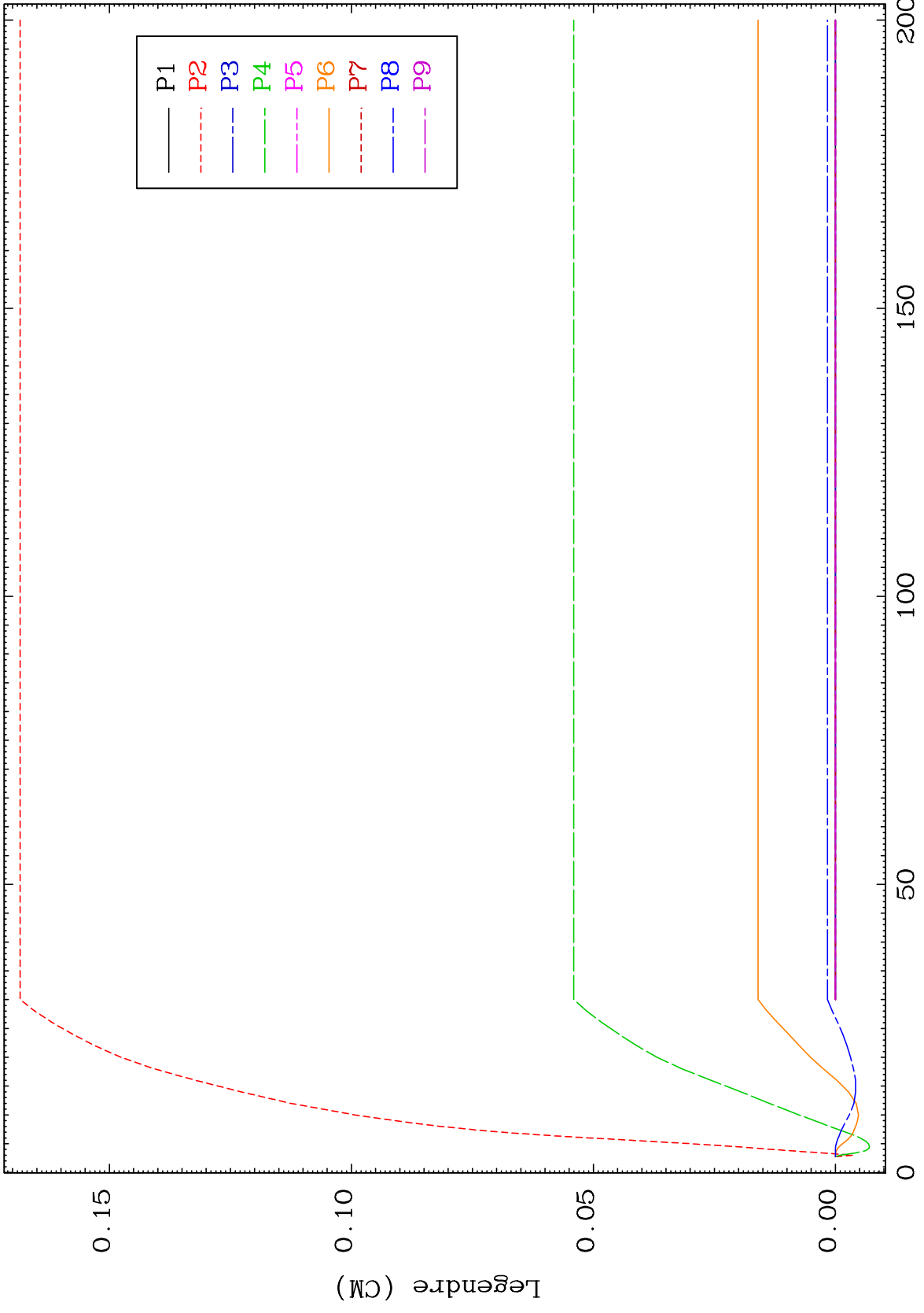


93

Incident Energy (MeV)

60-Nd-138

MAT 6013 MT= 70 (n,n') Level Legendre Coefficients 60-Nd-138

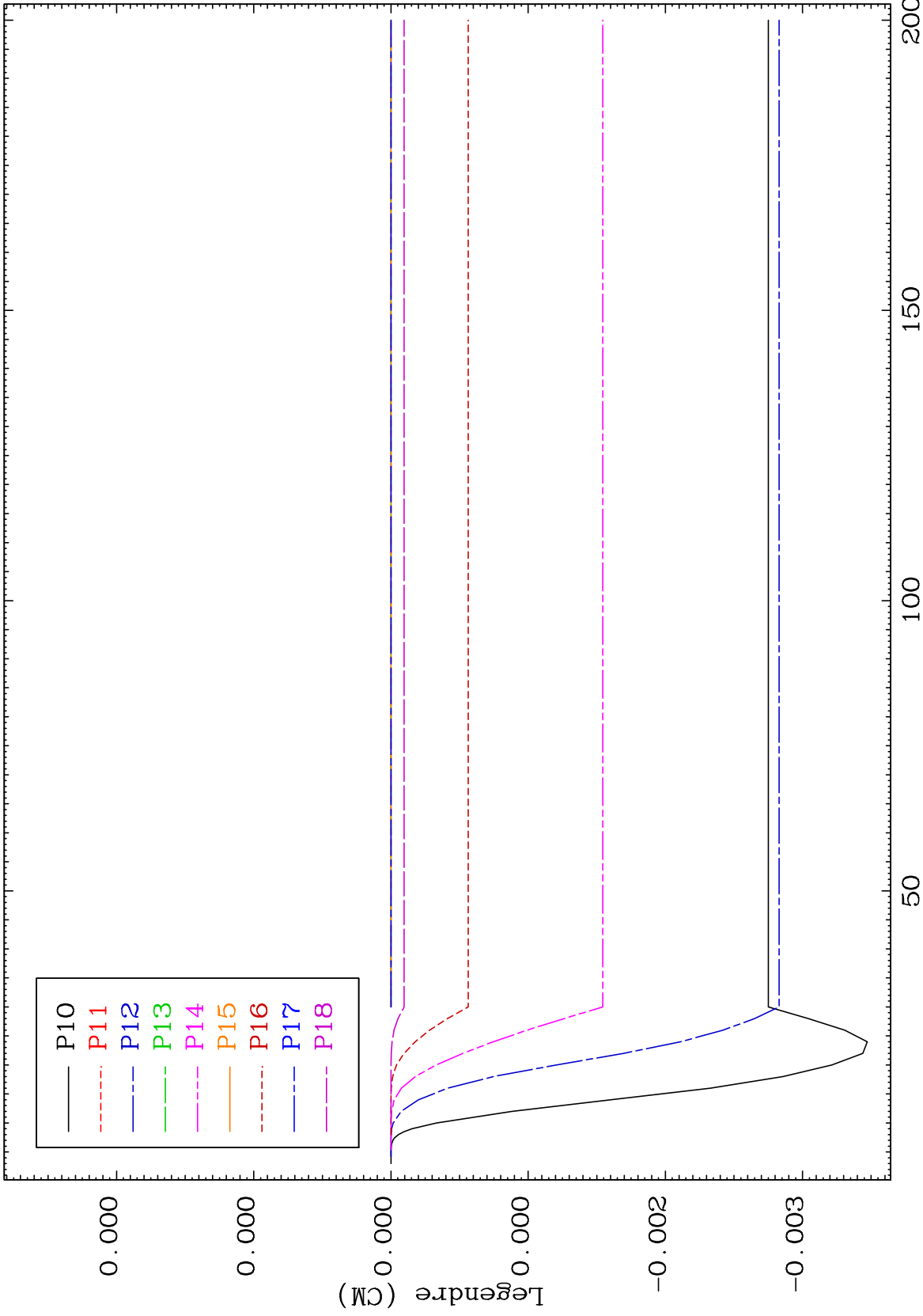


94 60-Nd-138

MAT 6013

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

60-Nd-138



95

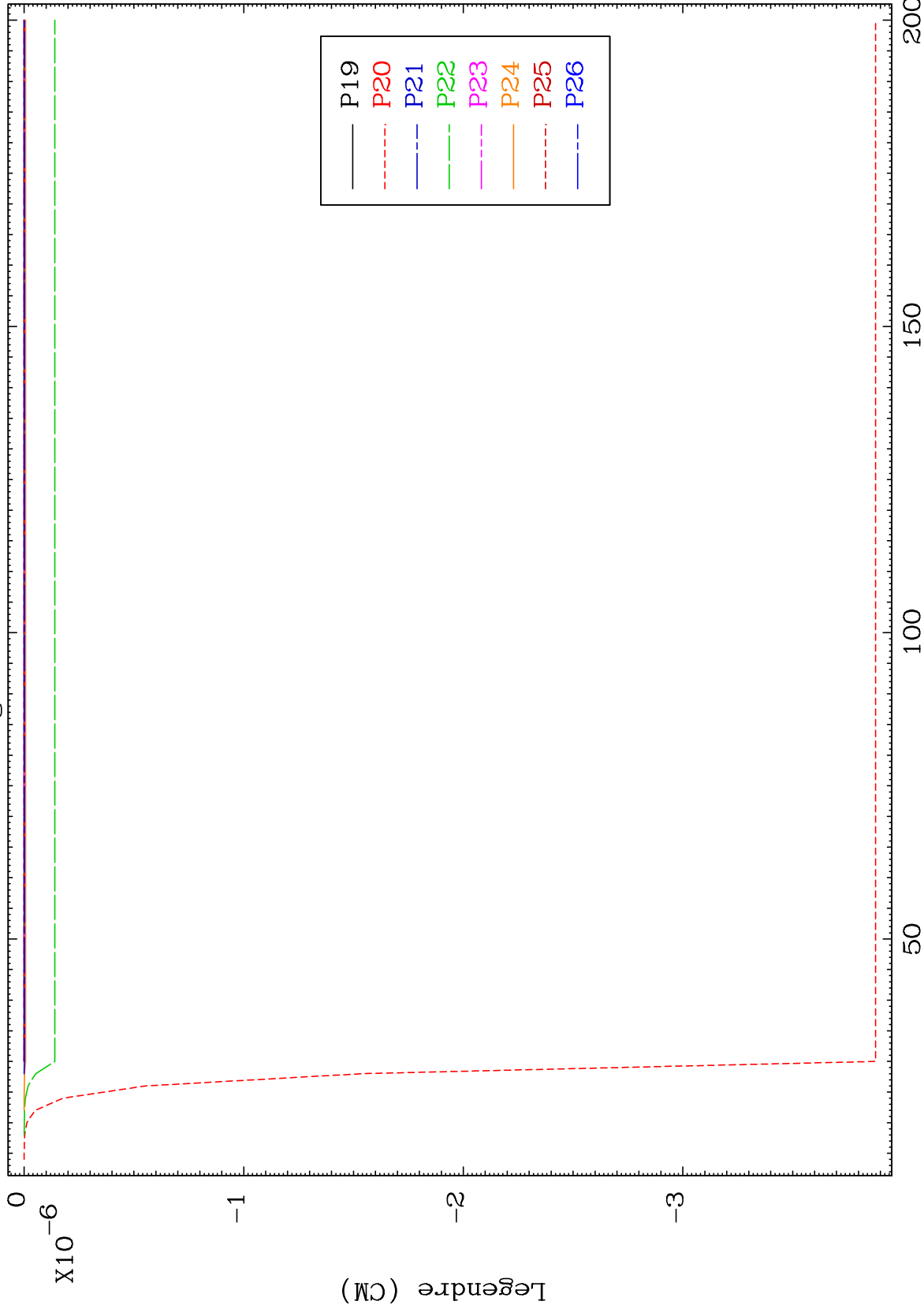
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

60-Nd-138



60-Nd-138

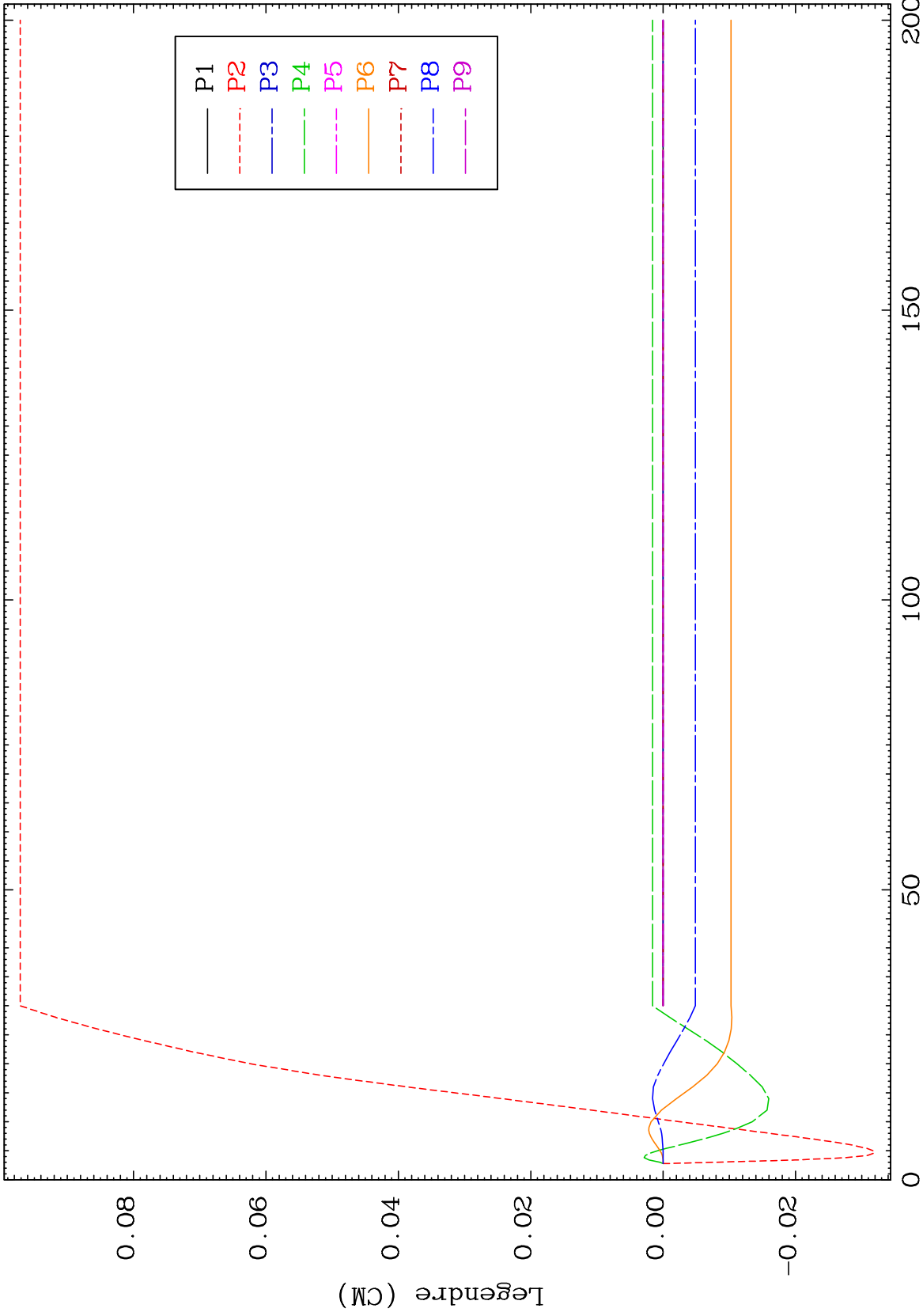
Incident Energy (MeV)

96

MAT 6013

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

60-Nd-138

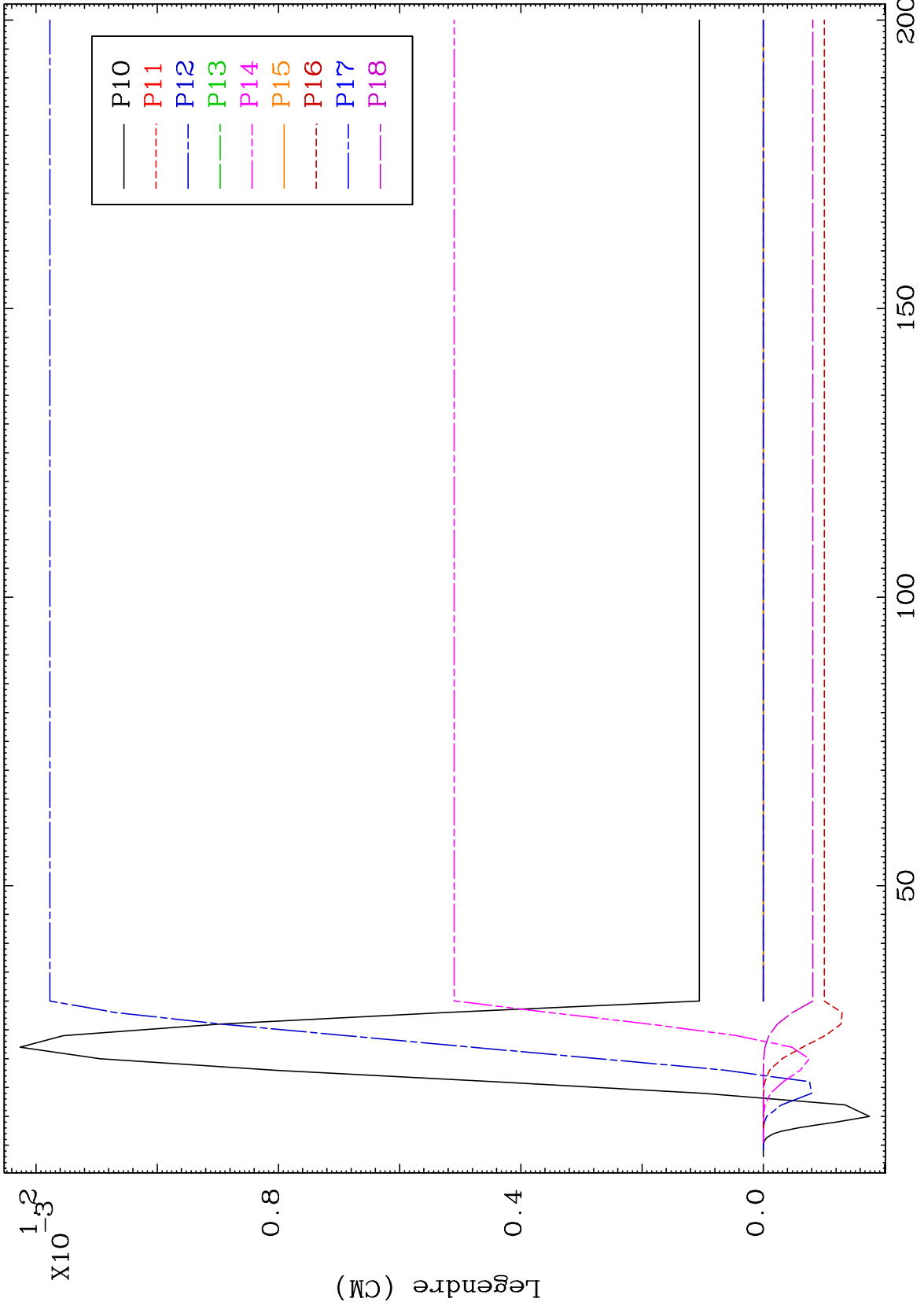


97

Incident Energy (MeV)

60-Nd-138

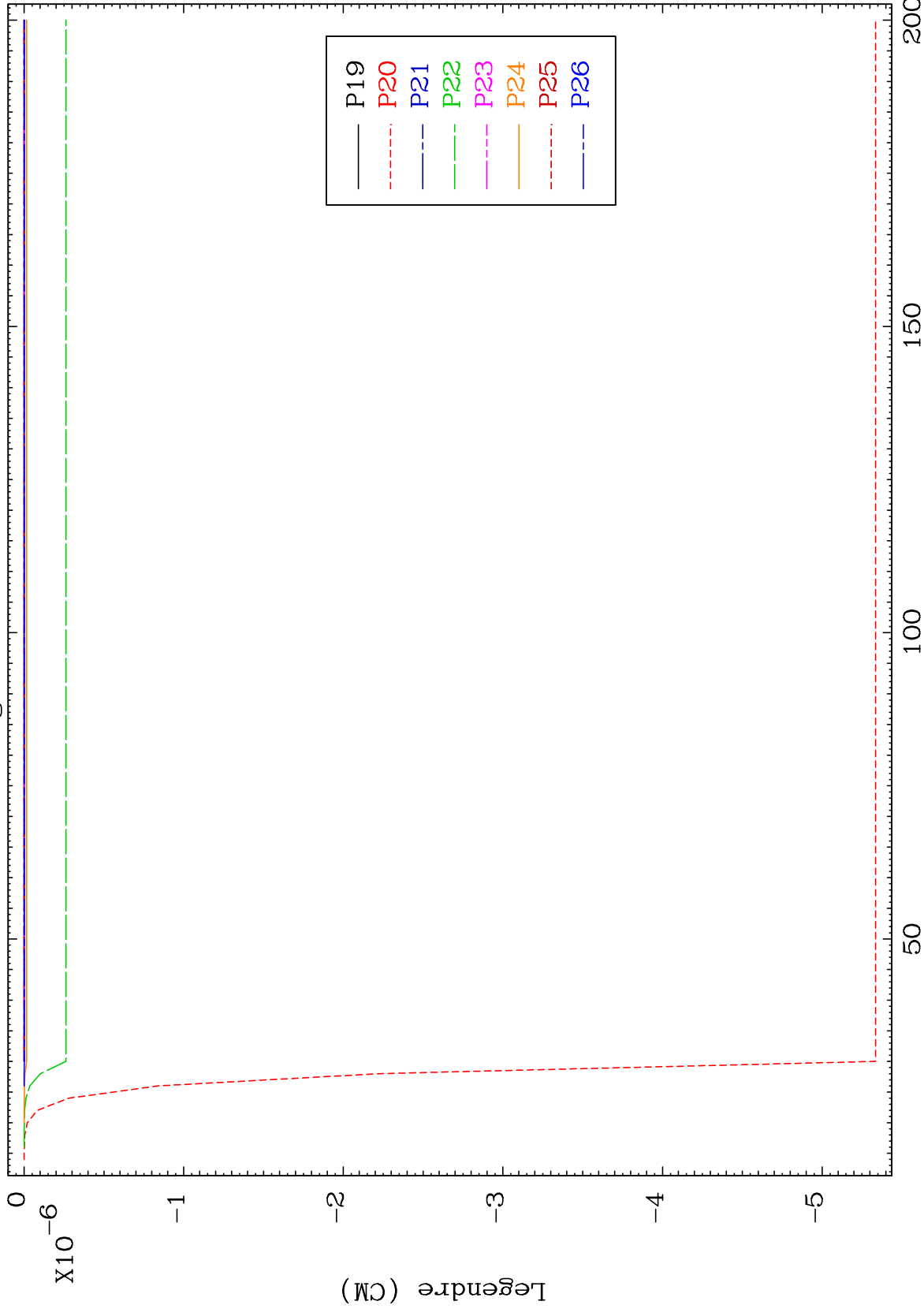
MAT 6013 MT= 71 (n,n') Level Legendre Coefficients 60-Nd-138



MAT 6013

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

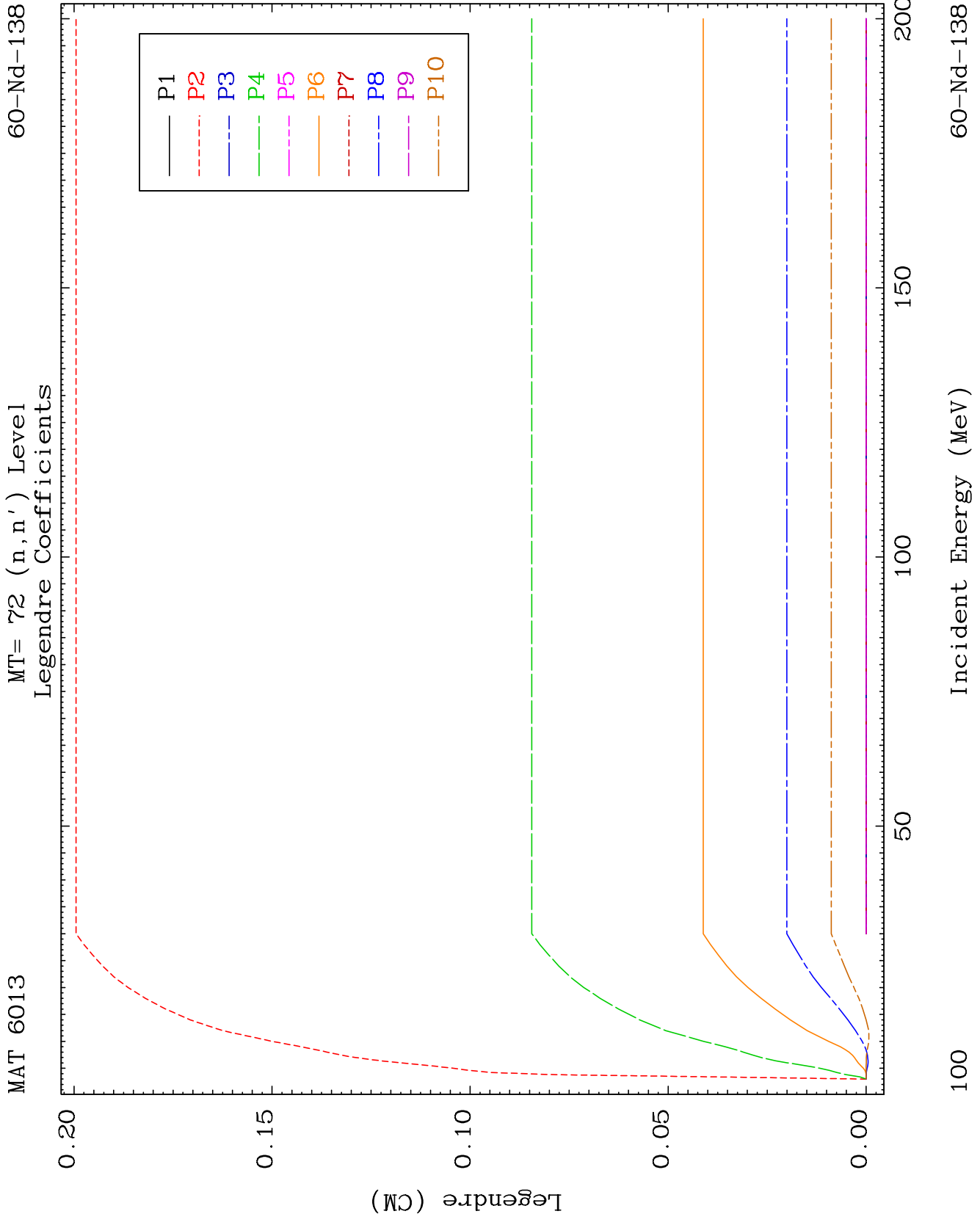
60-Nd-138



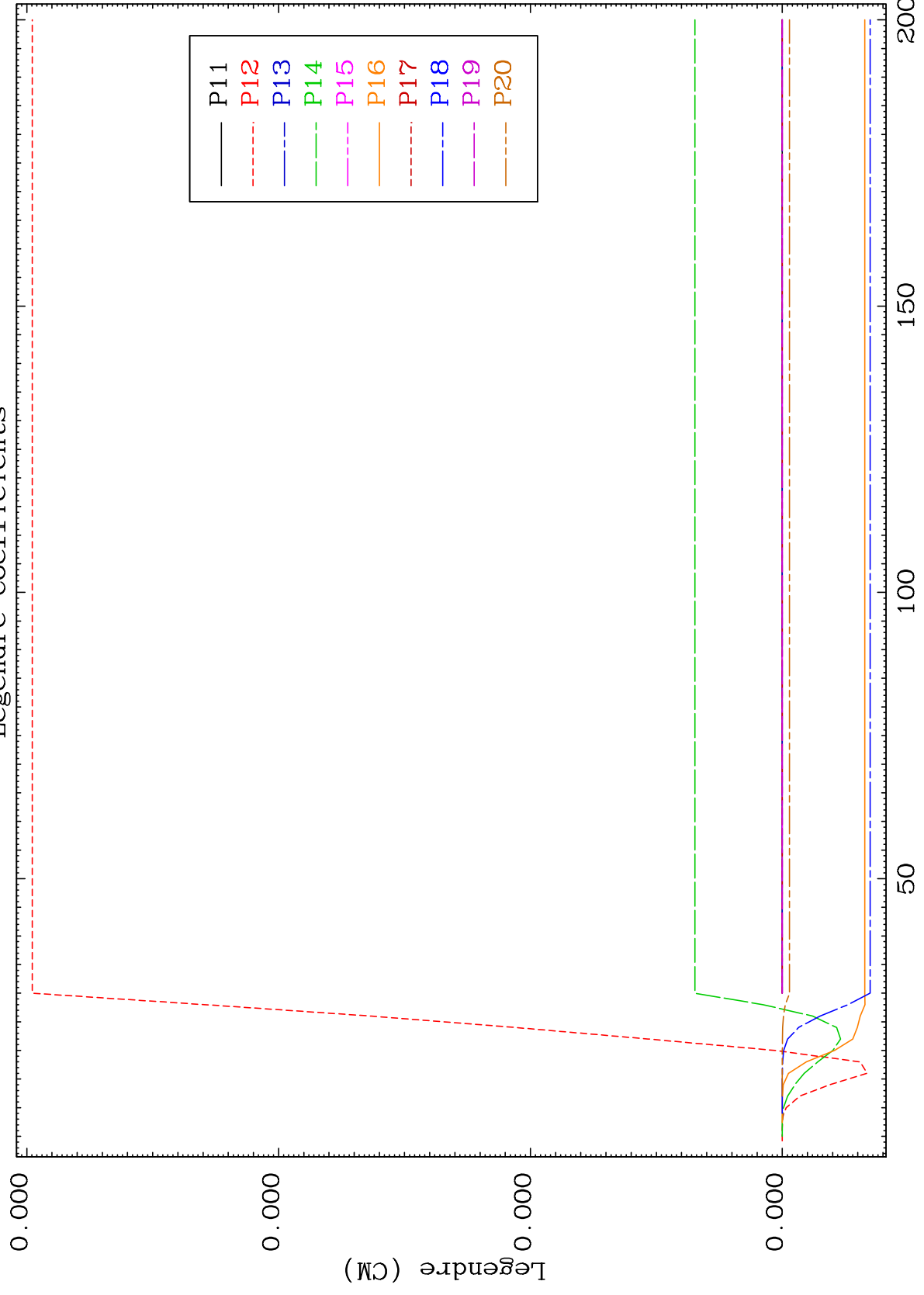
60-Nd-138

Incident Energy (MeV)

99



MAT 6013 MT= 72 (n,n') Level Legendre Coefficients 60-Nd-138

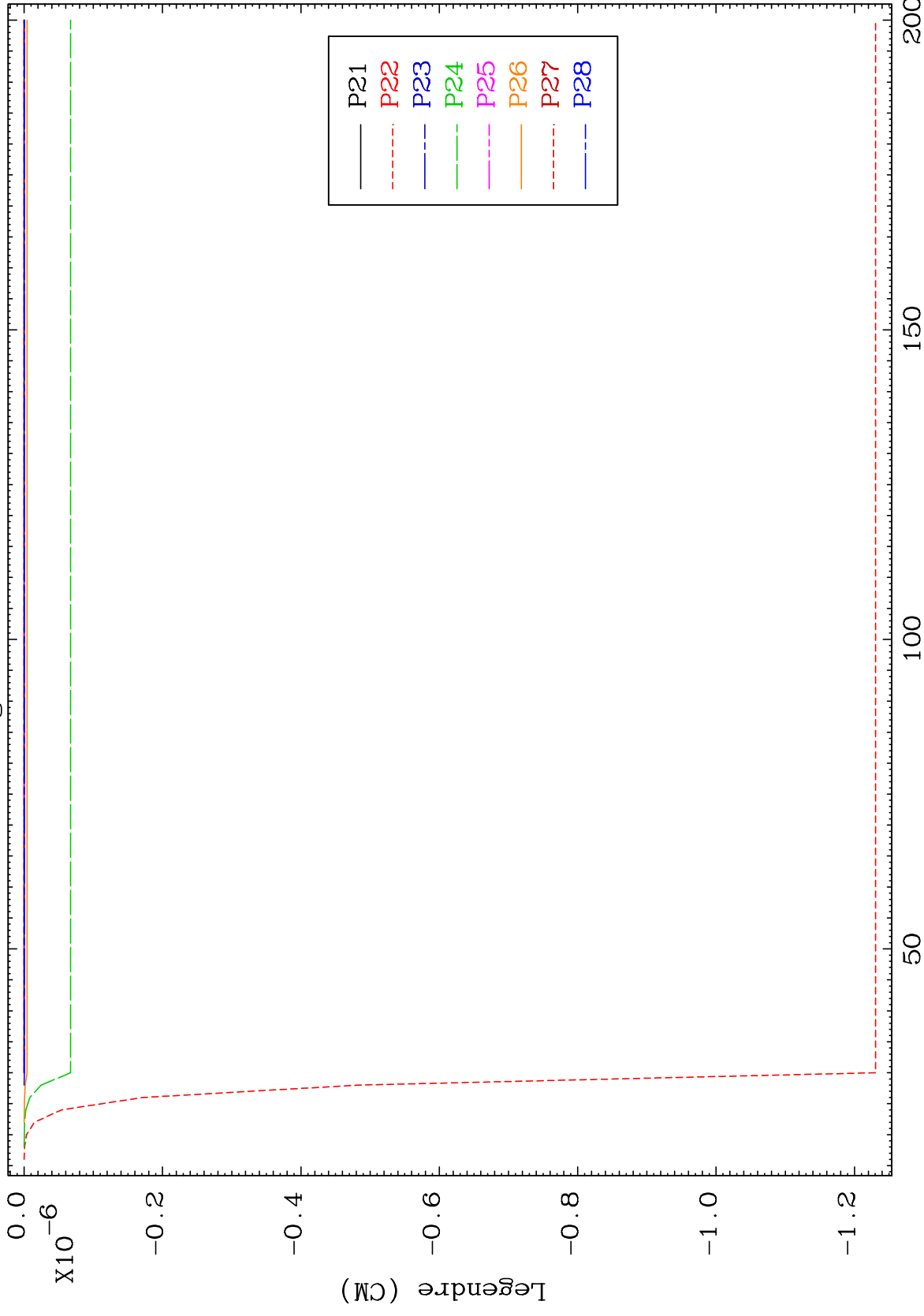


101 Incident Energy (MeV) 60-Nd-138

MAT 6013

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

60-Nd-138



60-Nd-138

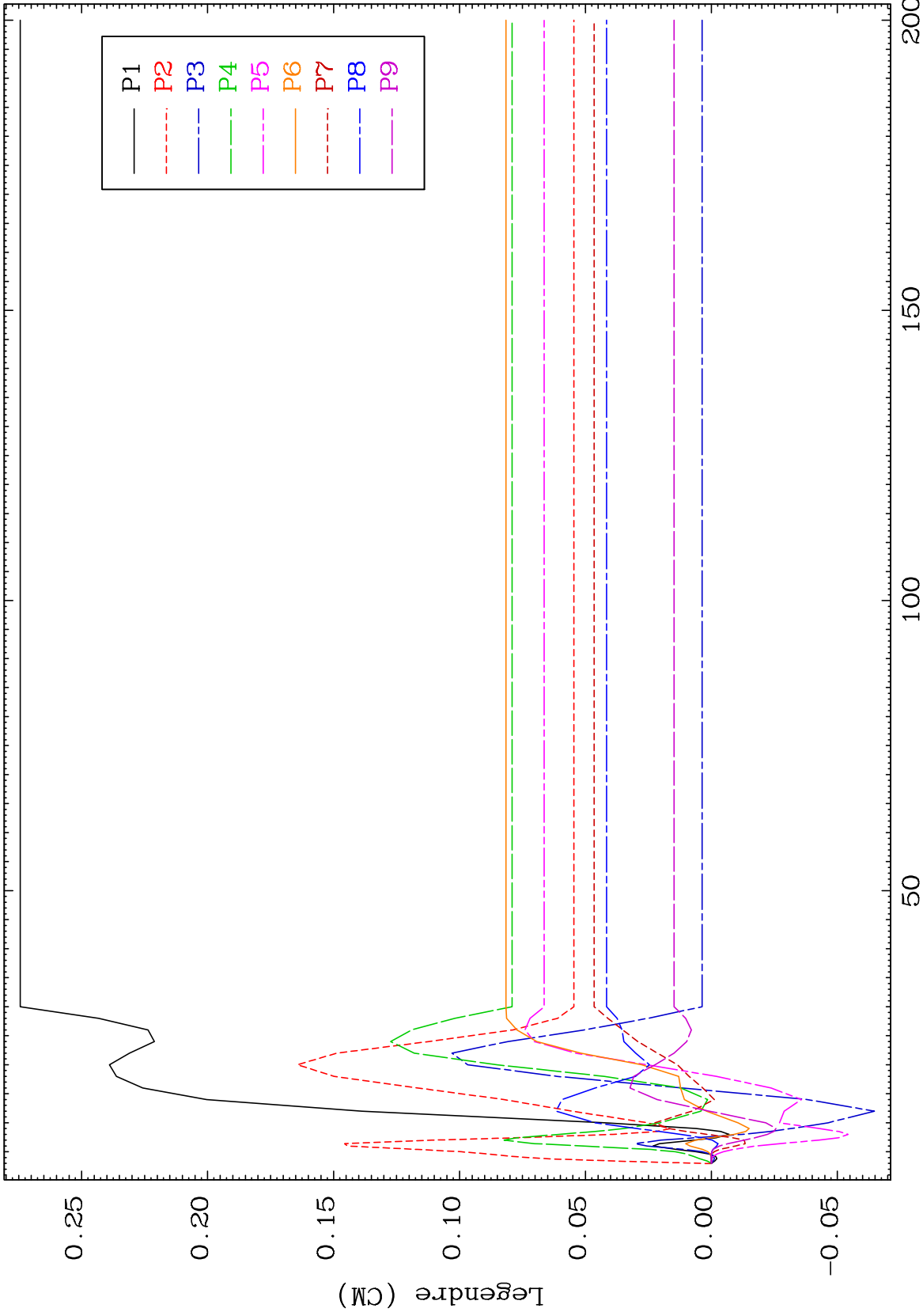
Incident Energy (MeV)

102

MAT 6013

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

60-Nd-138

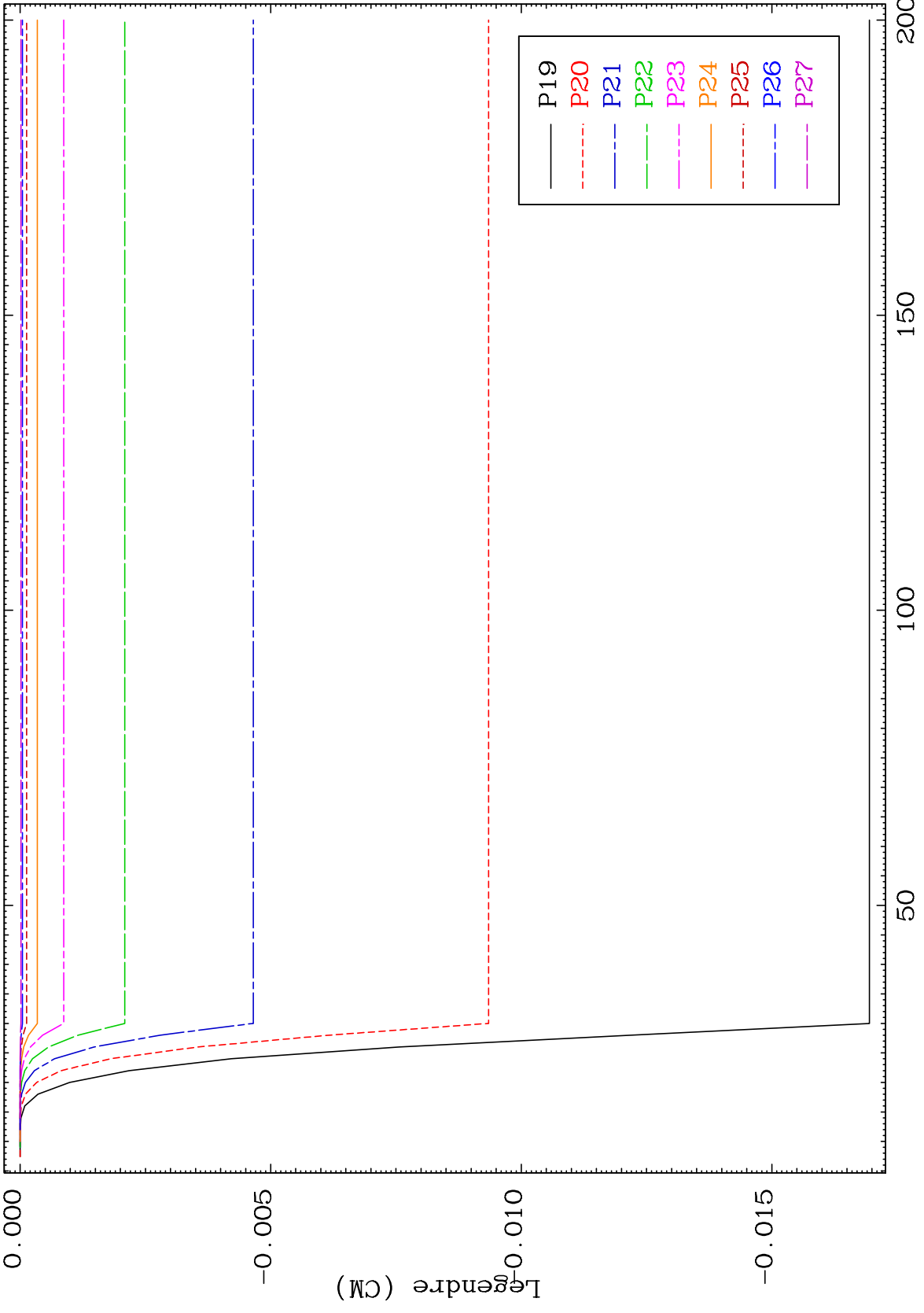


103

Incident Energy (MeV)

60-Nd-138

MAT 6013 MT= 73 (n,n') Level Legendre Coefficients 60-Nd-138



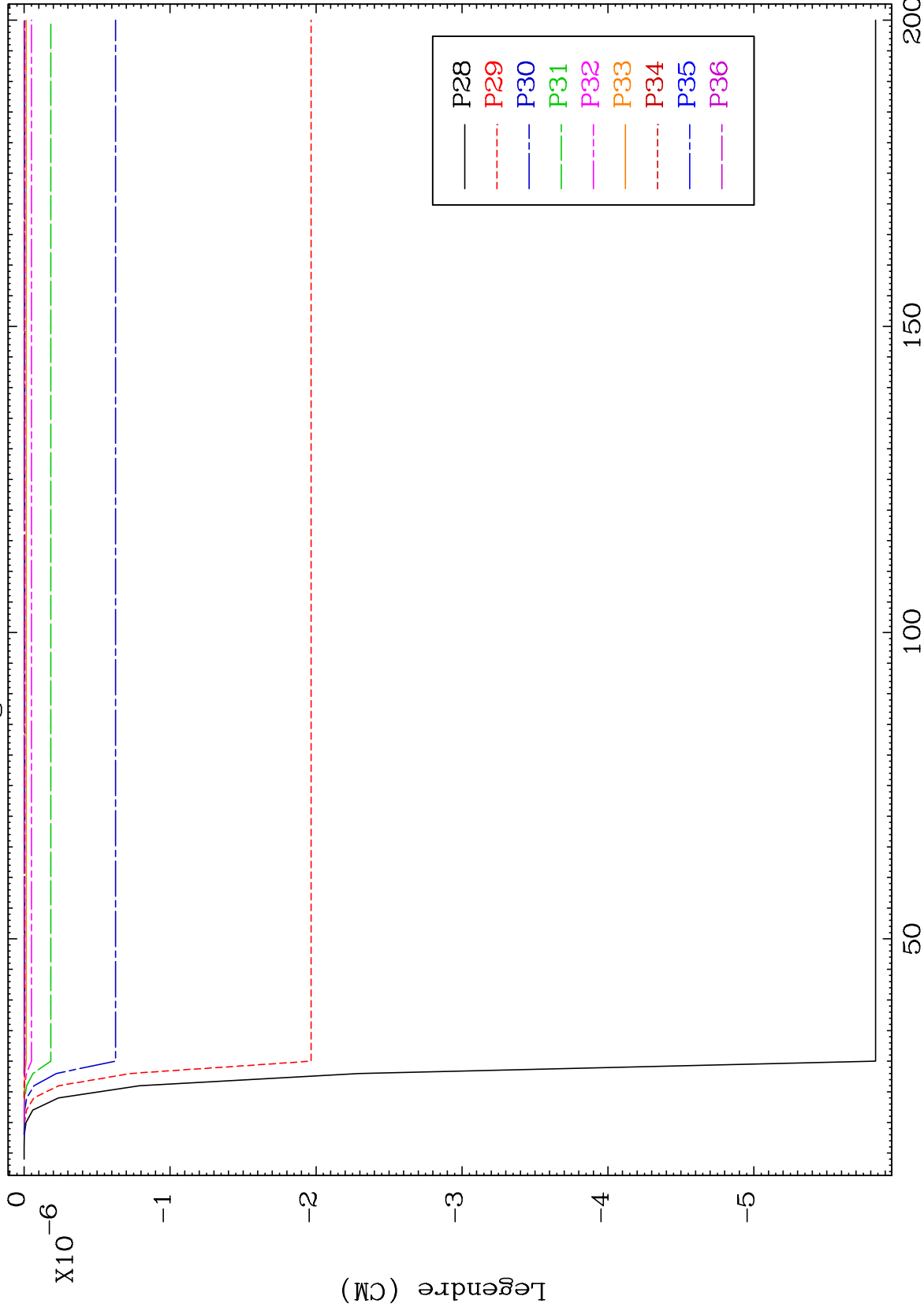
105 Incident Energy (MeV) 200 60-Nd-138

MAT 6013

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

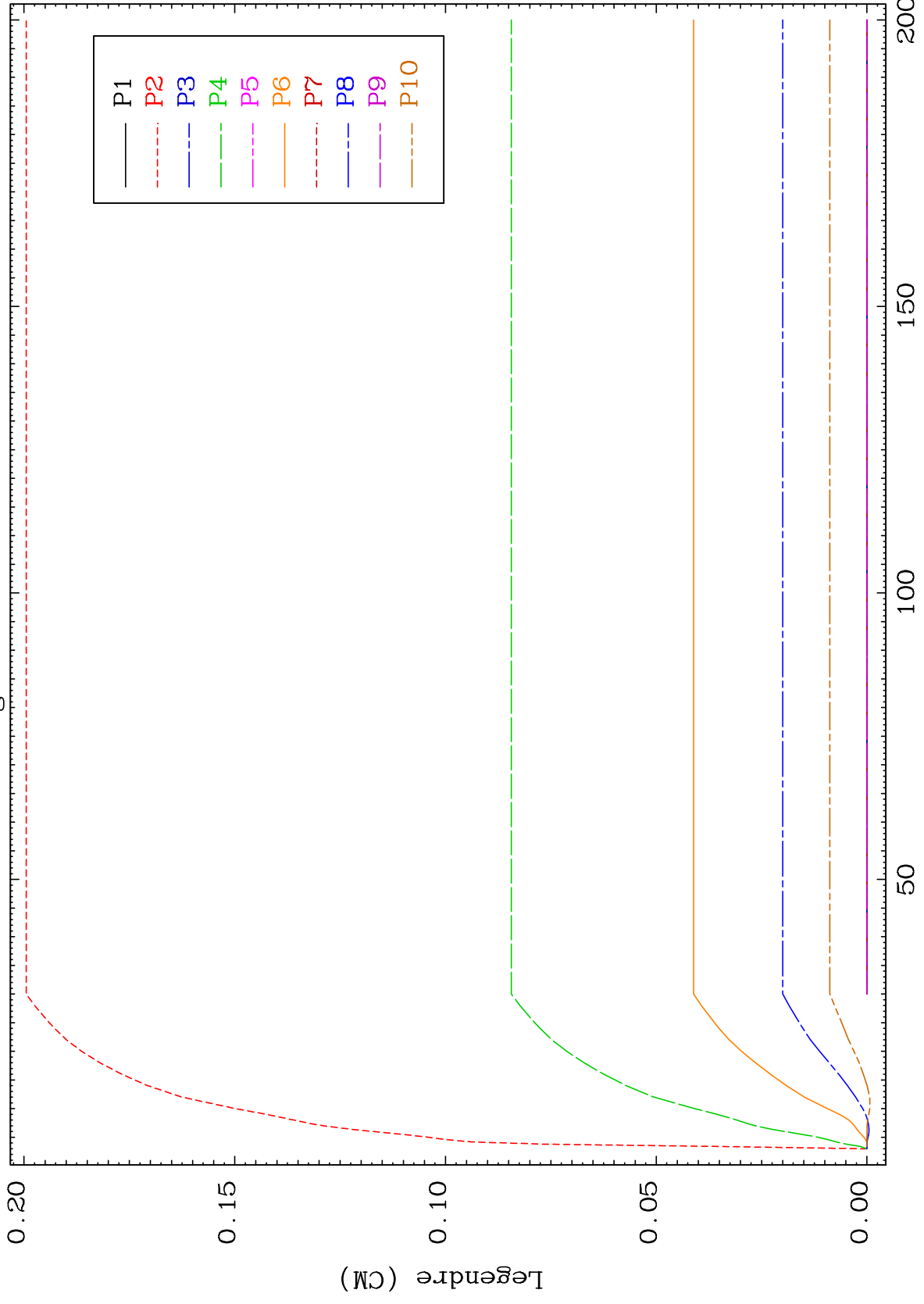
60-Nd-138

60-Nd-138

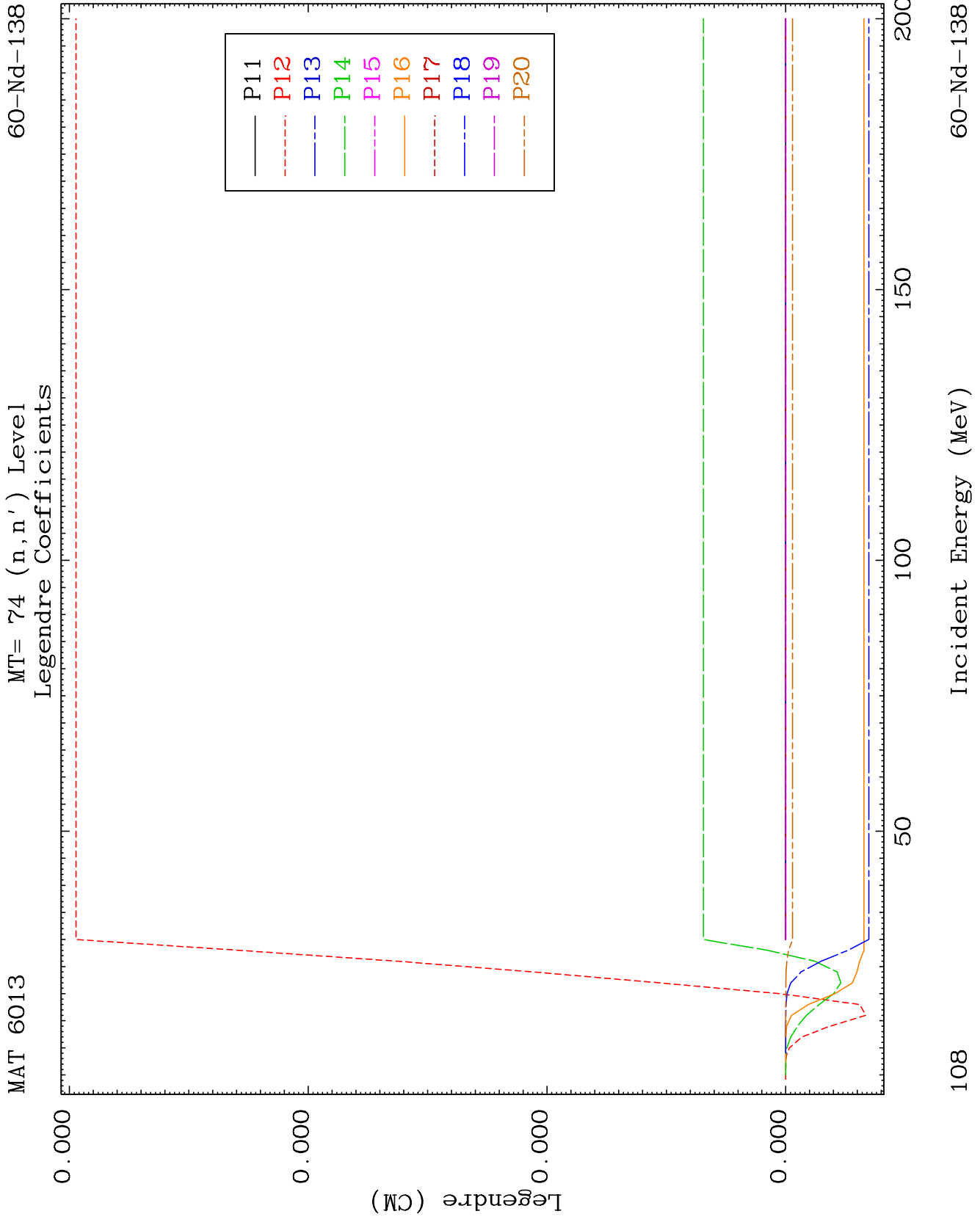


106

MAT 6013 MT= 74 (n,n') Level Legendre Coefficients 60-Nd-138



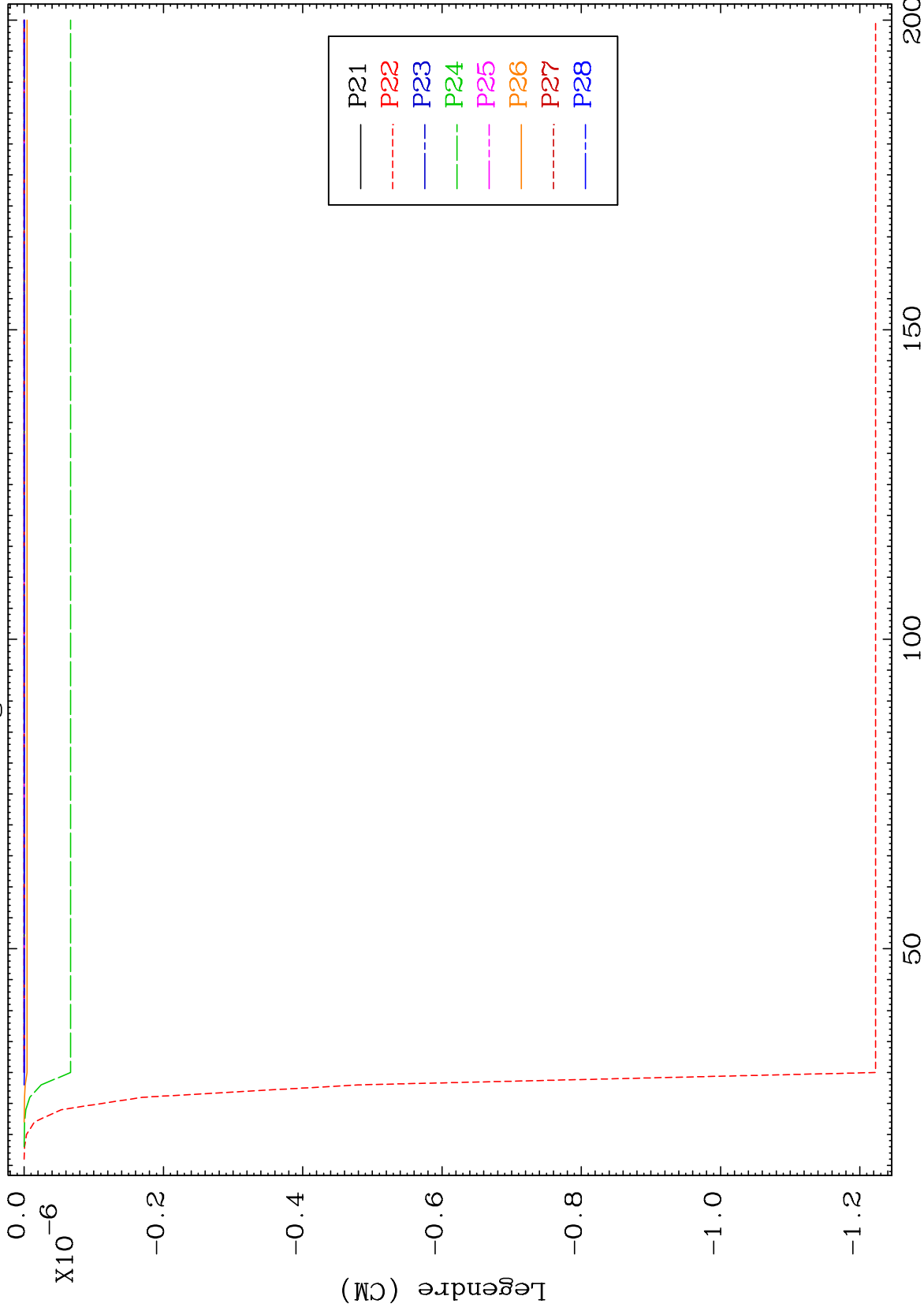
107 Incident Energy (MeV) 60-Nd-138



MAT 6013

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

60-Nd-138



60-Nd-138

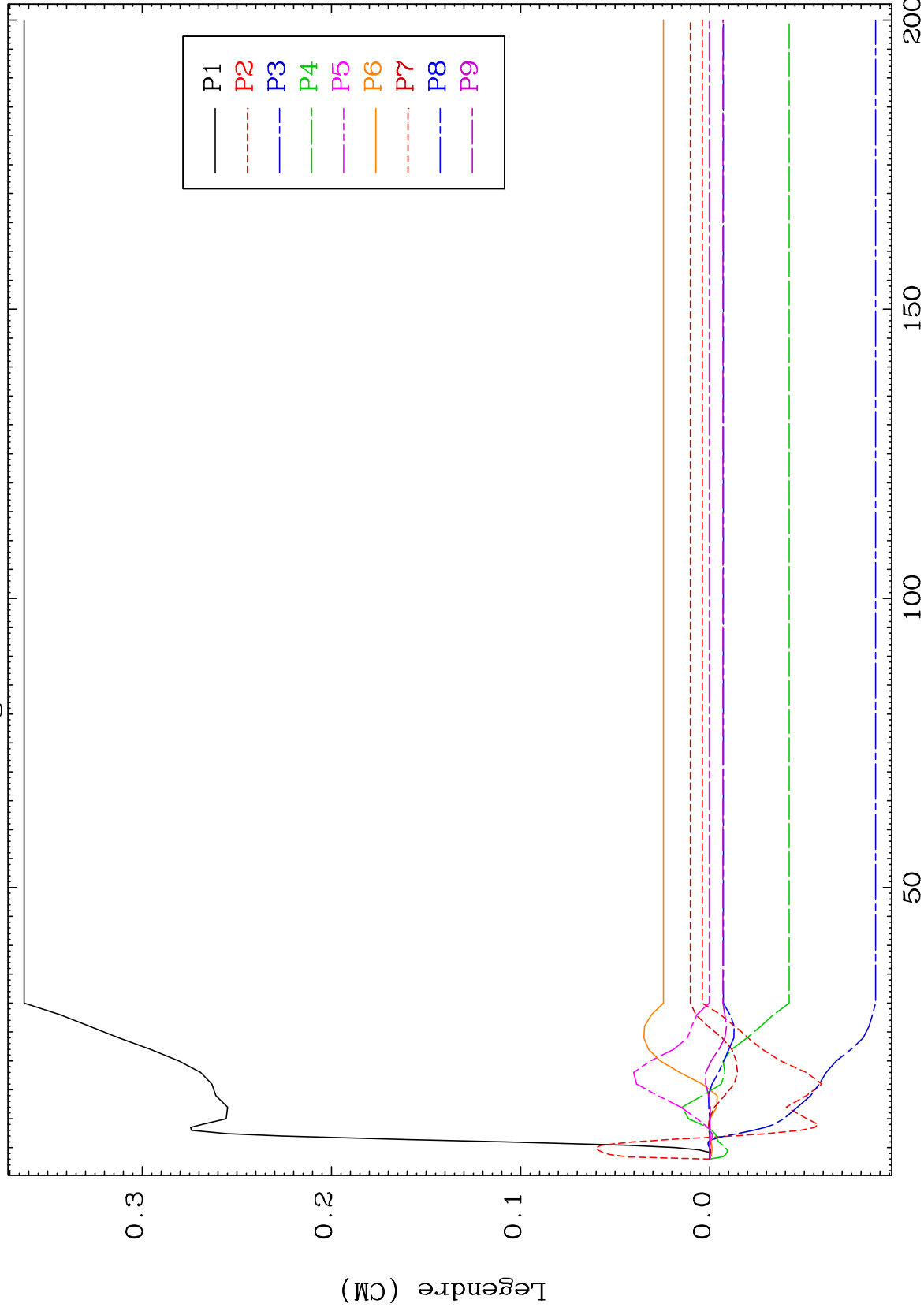
Incident Energy (MeV)

109

MAT 6013

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

60-Nd-138

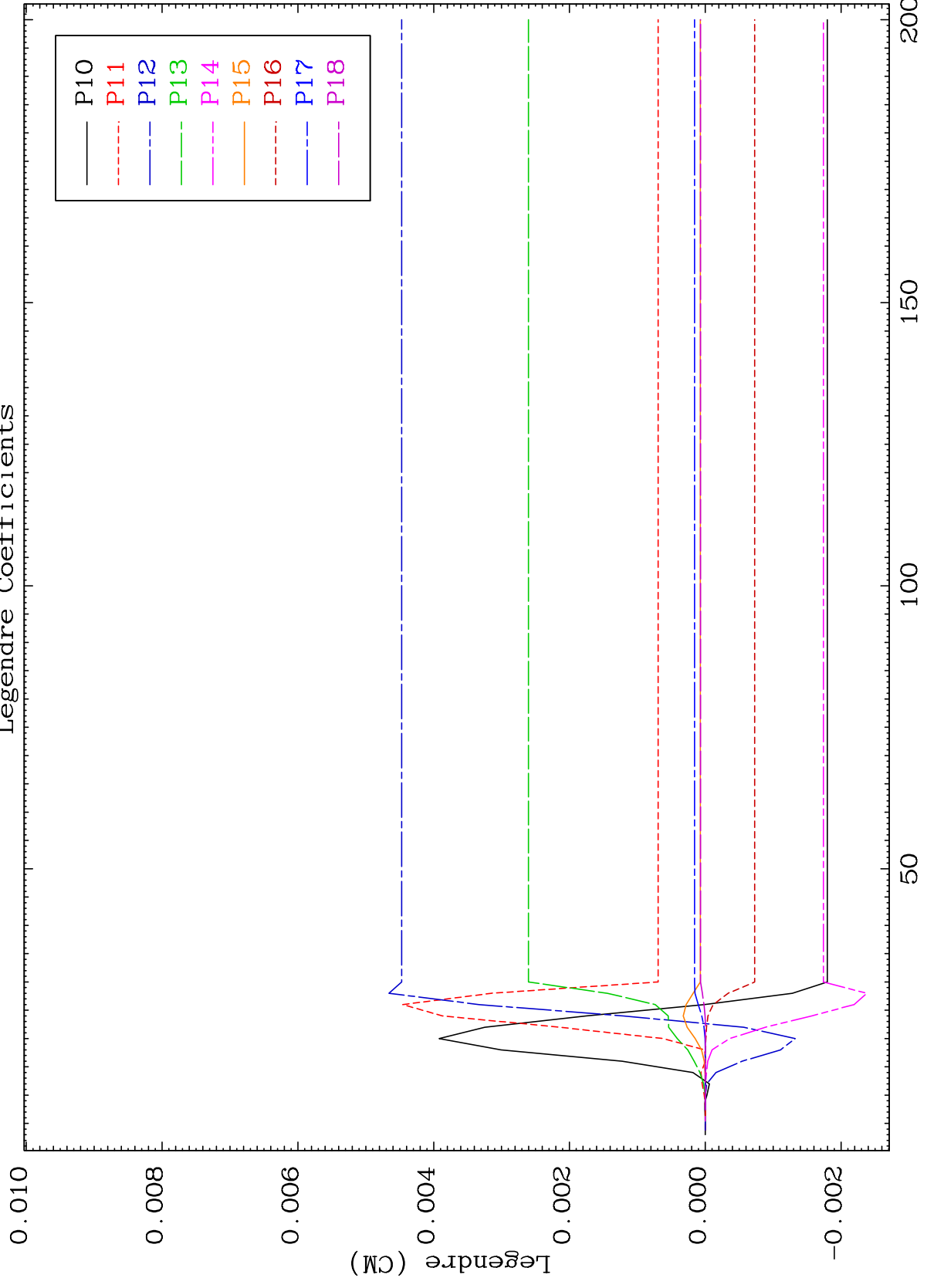


110

Incident Energy (MeV)

60-Nd-138

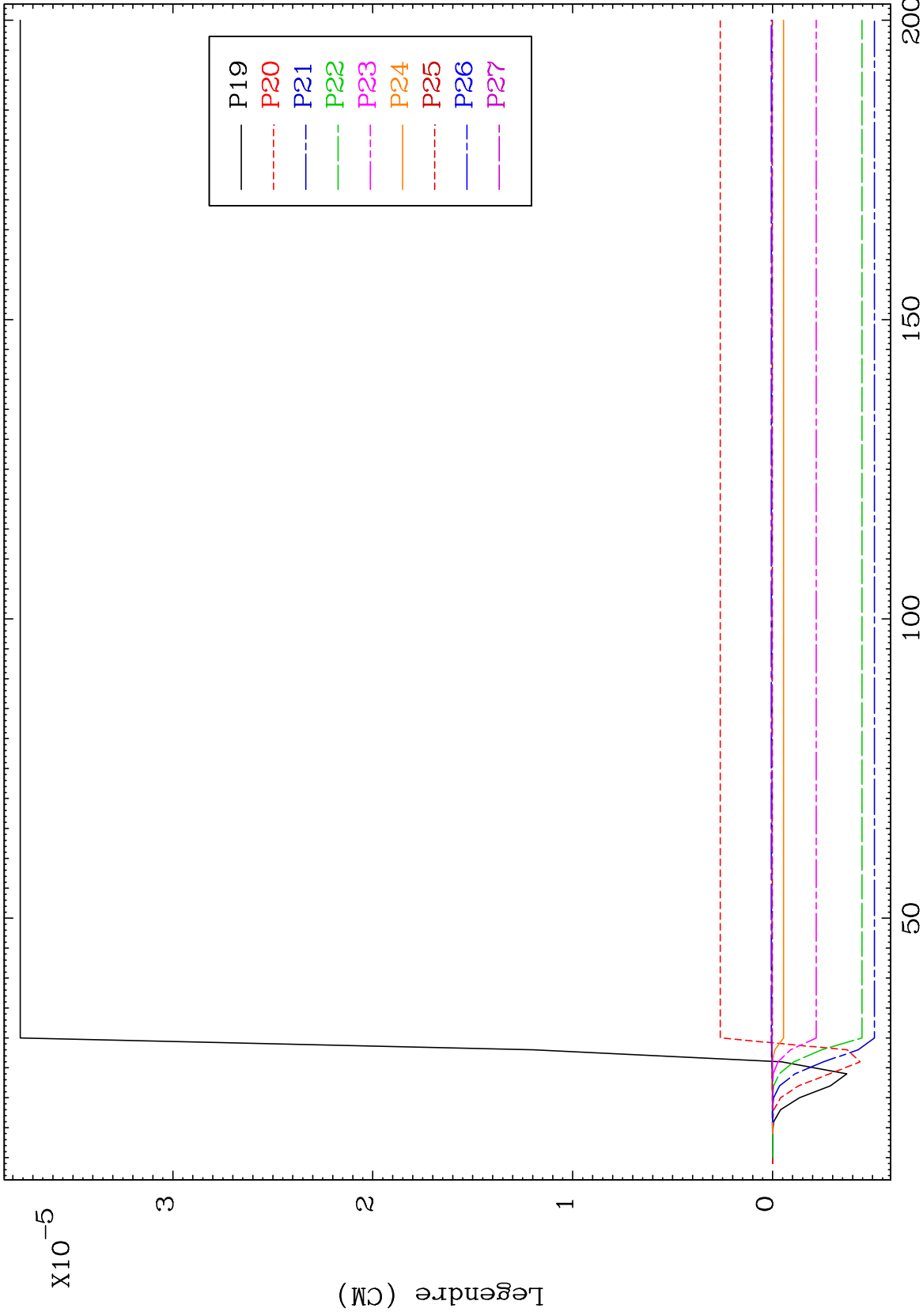
MAT 6013 MT= 75 (n,n') Level Legendre Coefficients 60-Nd-138



MAT 6013

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

60-Nd-138



112

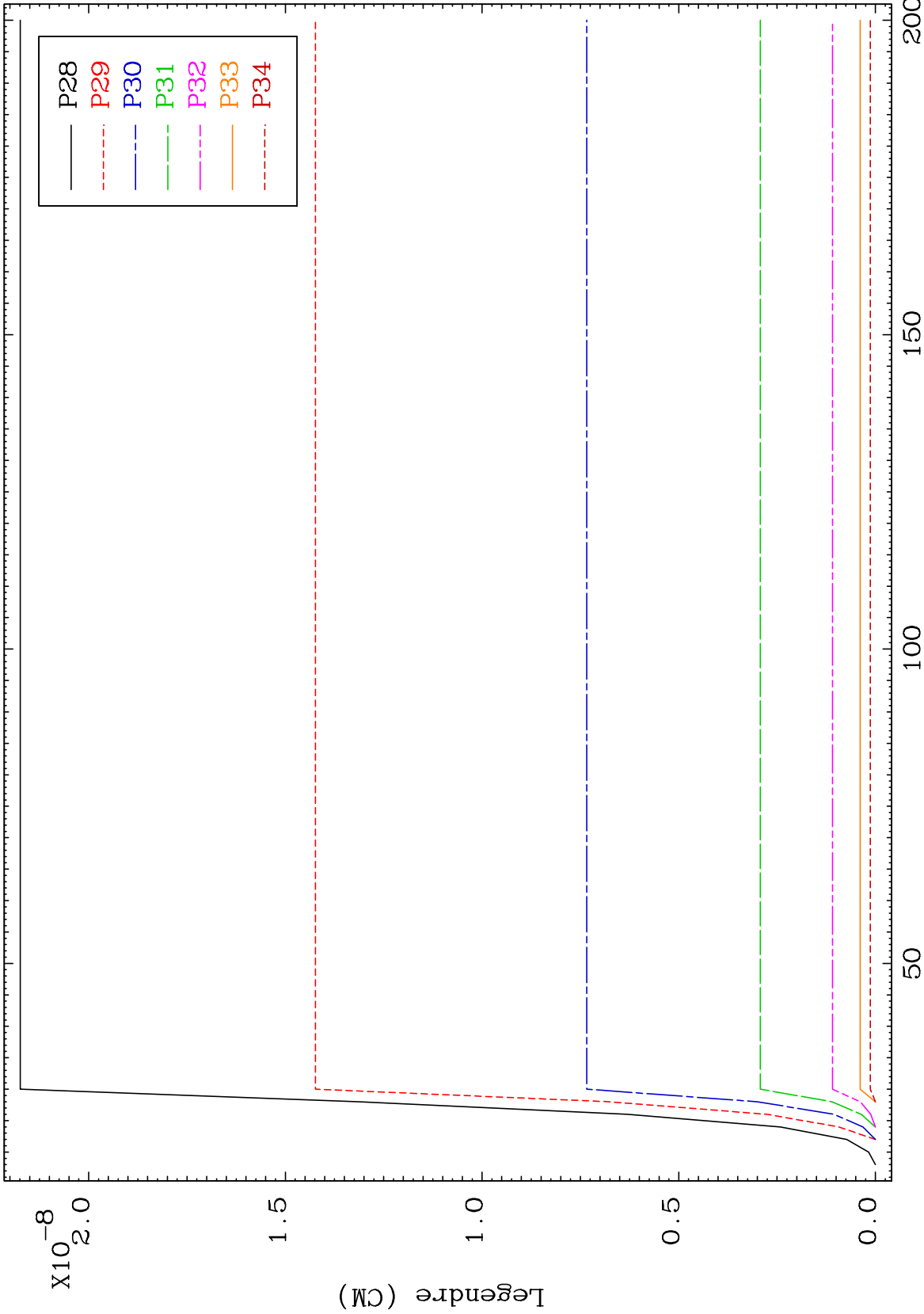
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

60-Nd-138



113

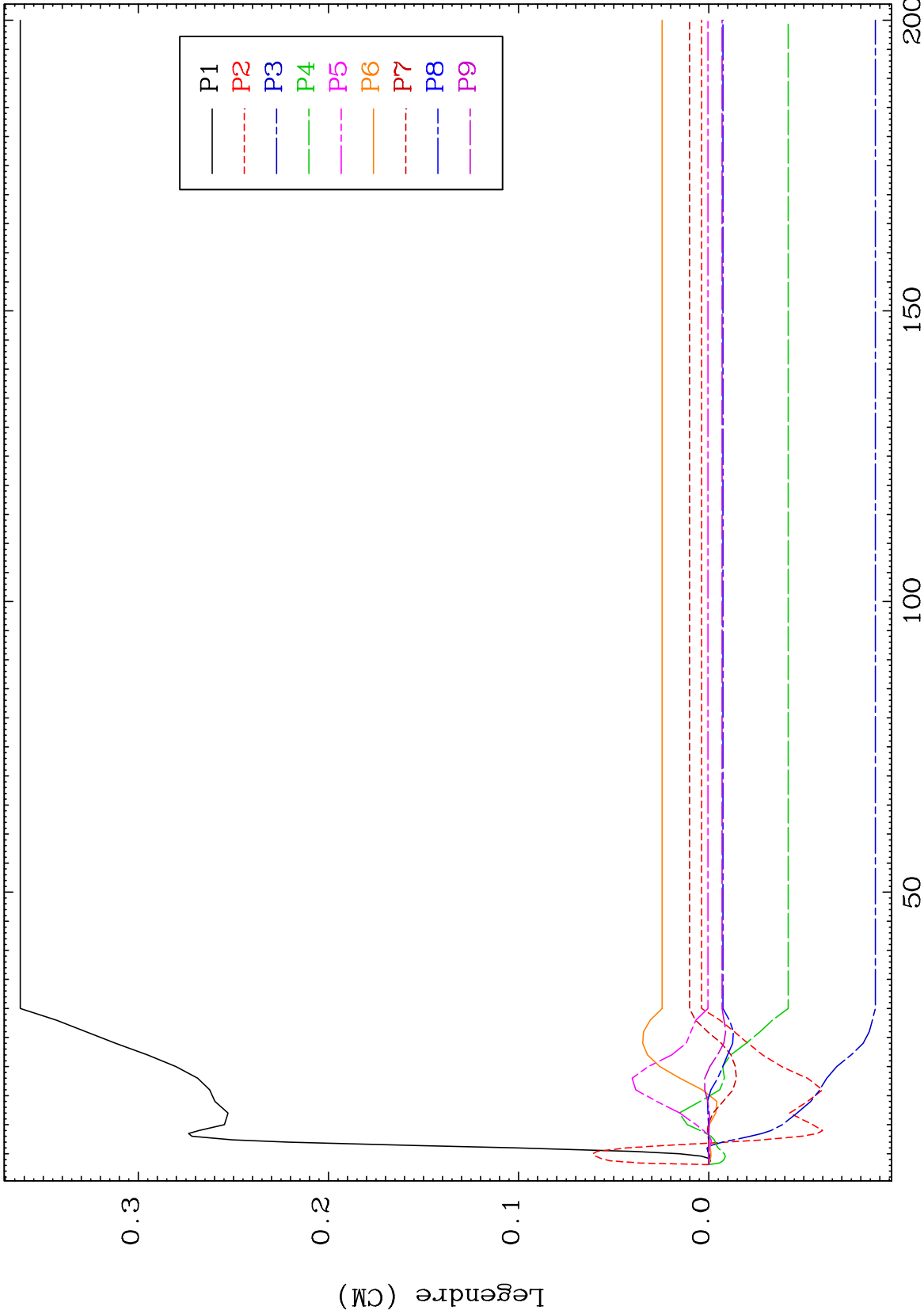
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

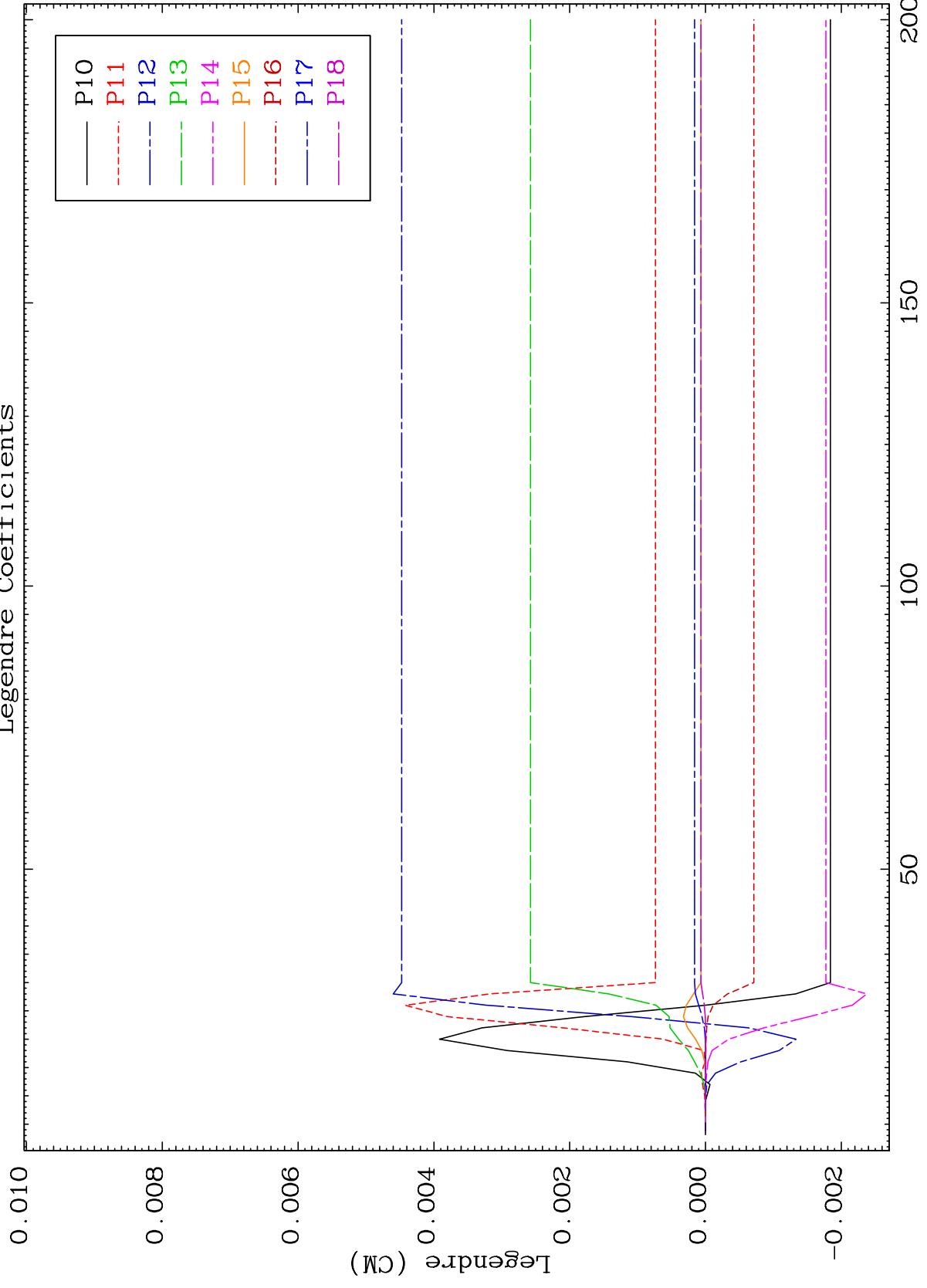
60-Nd-138



114

60-Nd-138

MAT 6013 MT= 76 (n,n') Level Legendre Coefficients 60-Nd-138

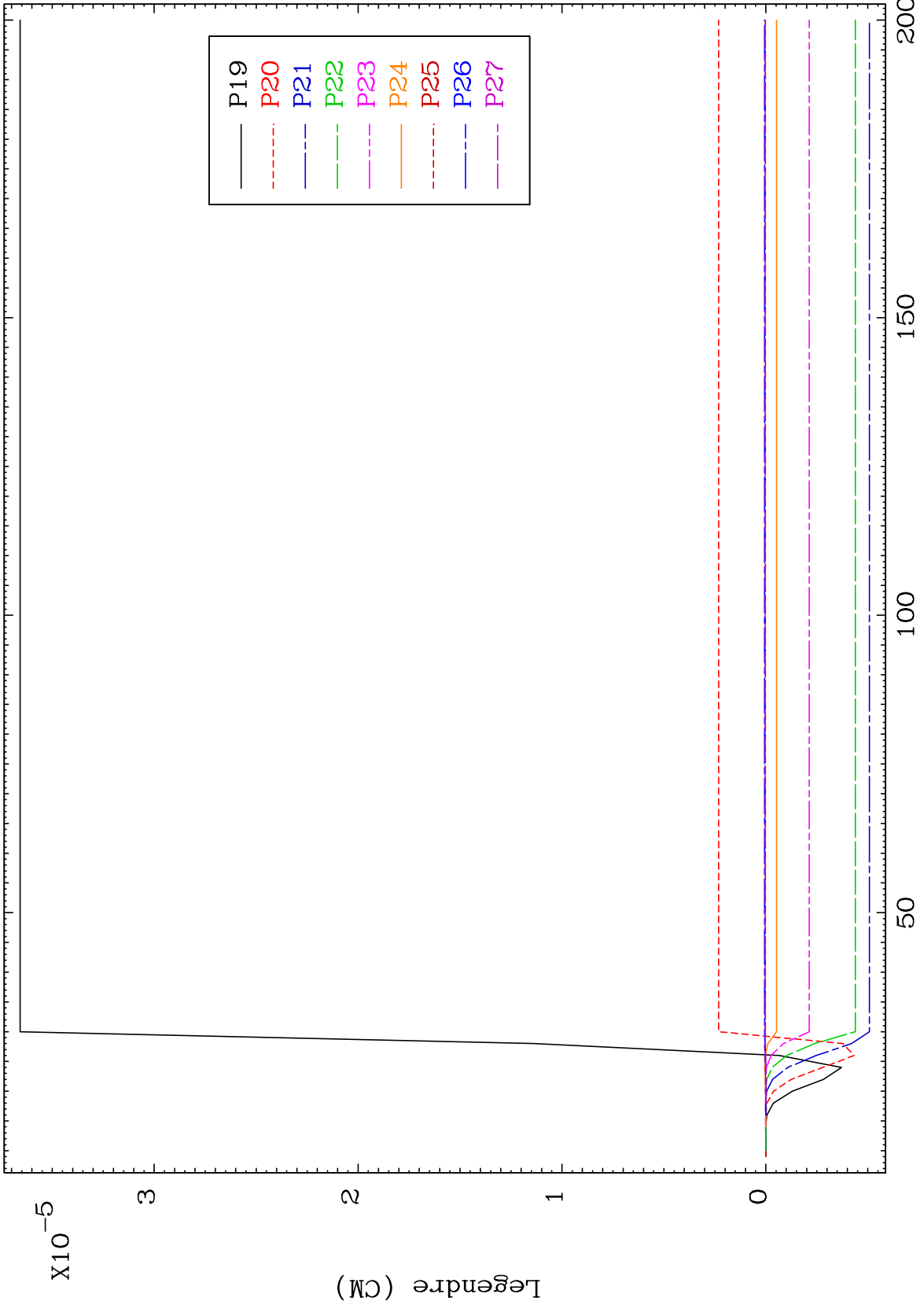


115 Incident Energy (MeV) 60-Nd-138

MAT 6013

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

60-Nd-138



116

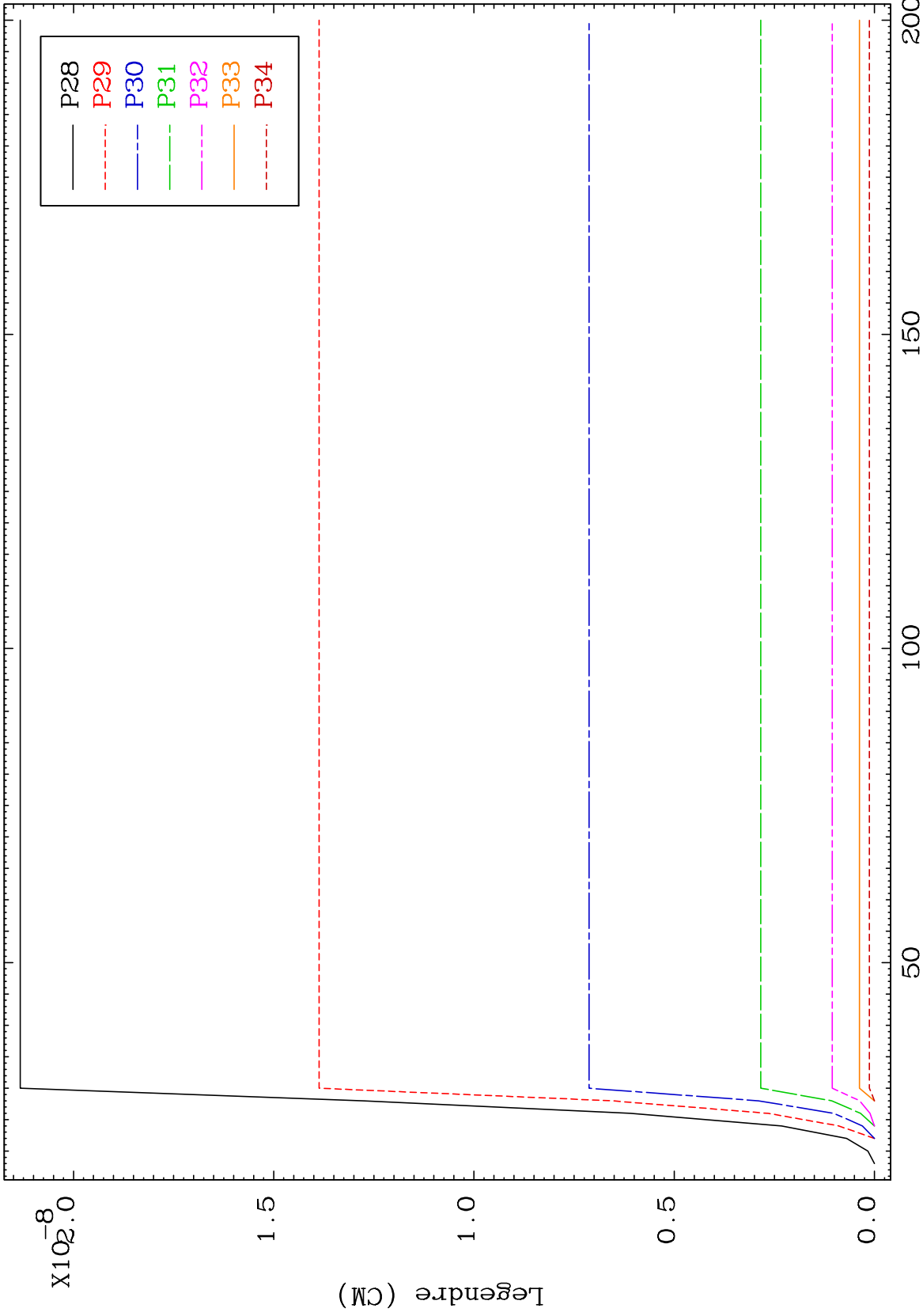
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

60-Nd-138



117

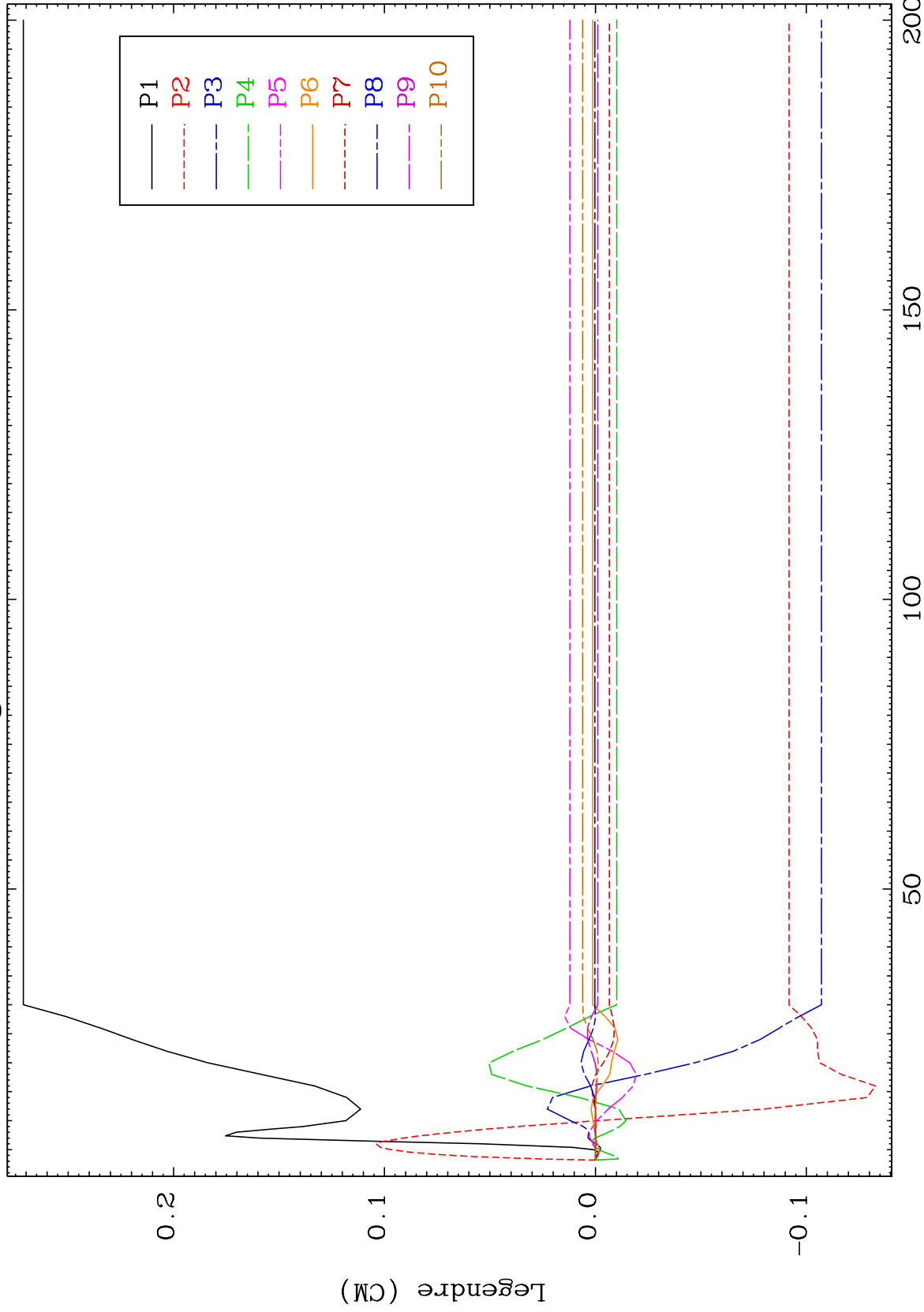
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

60-Nd-138



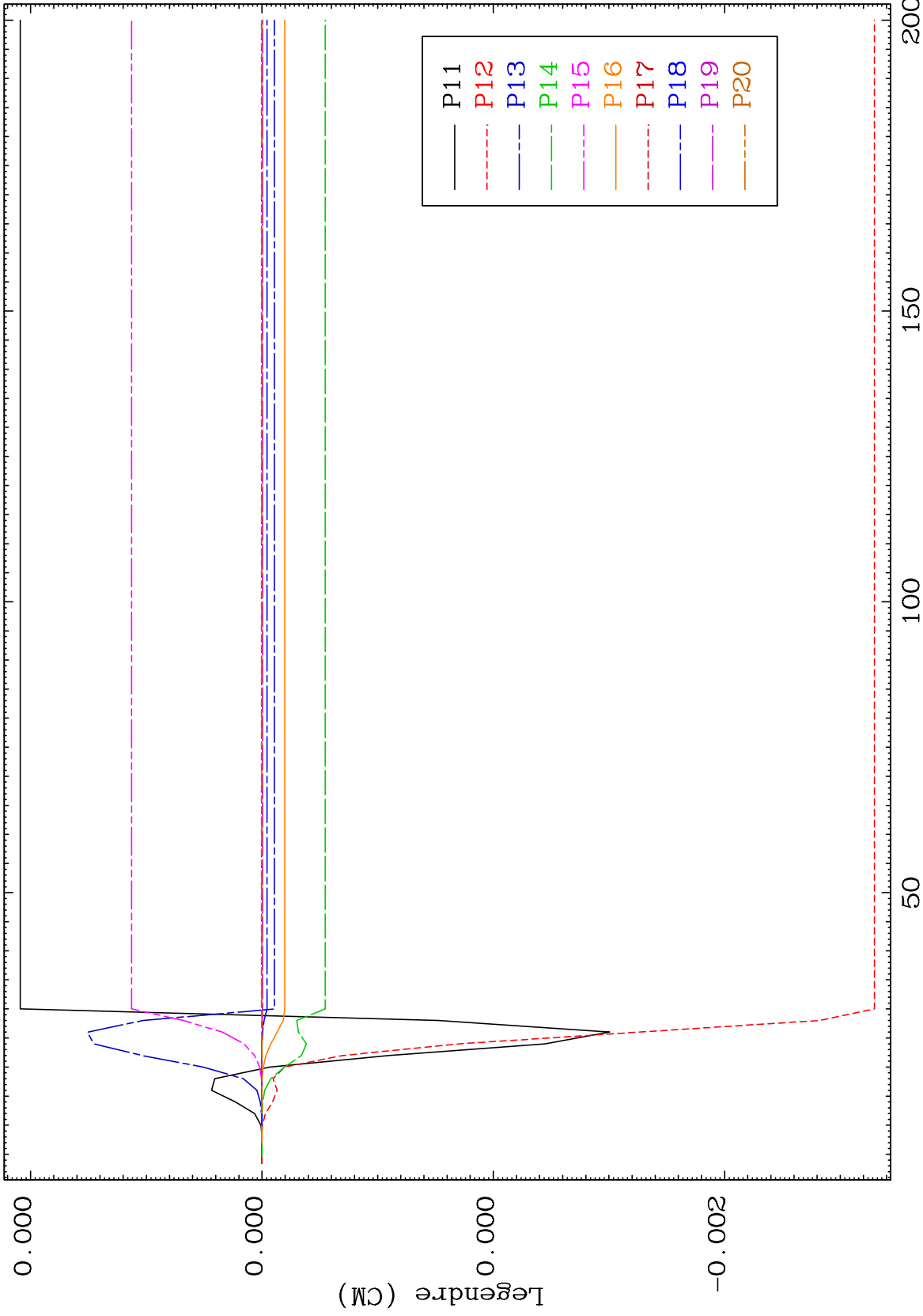
118

60-Nd-138

MAT 6013

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

60-Nd-138



119

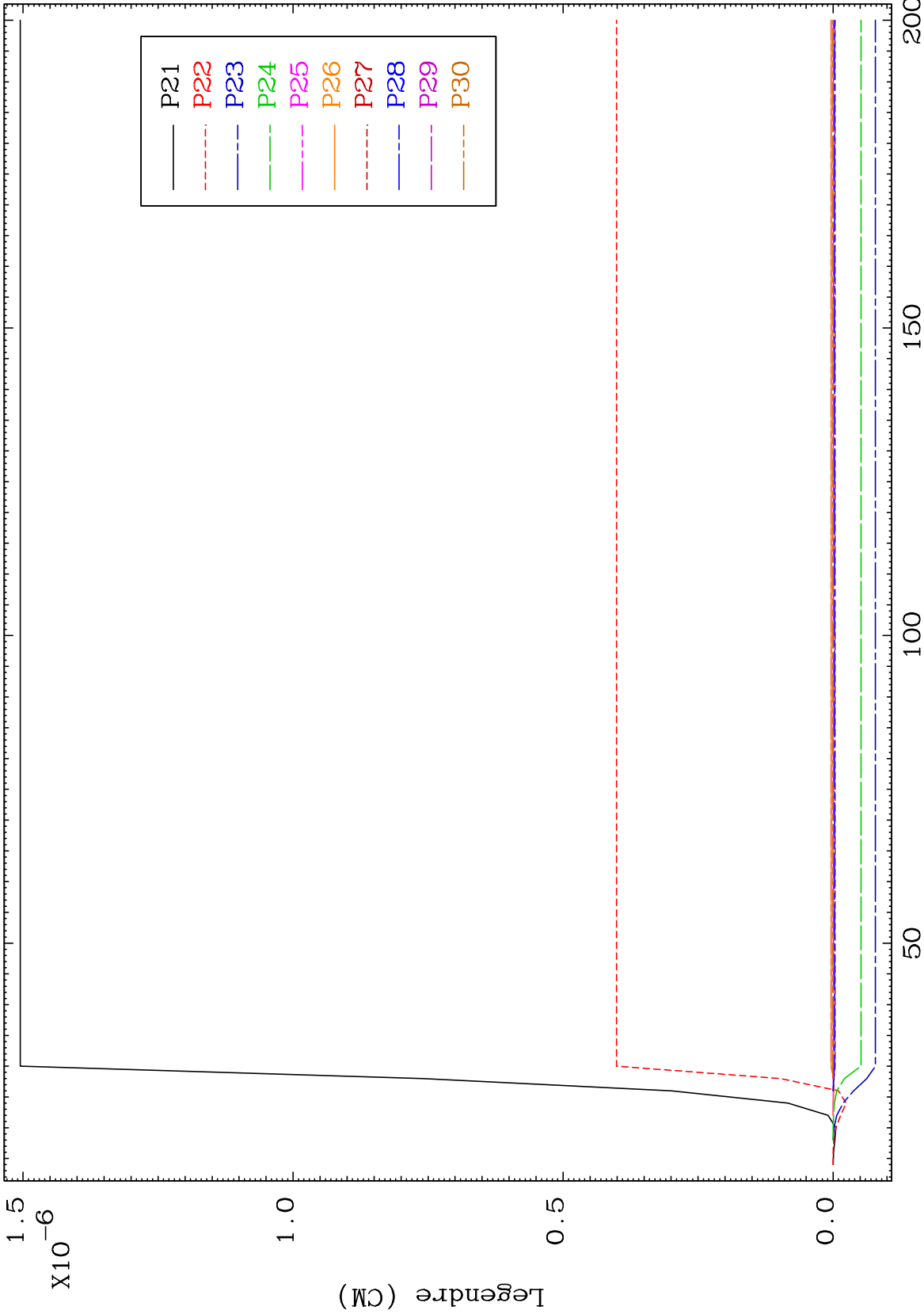
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

60-Nd-138



120

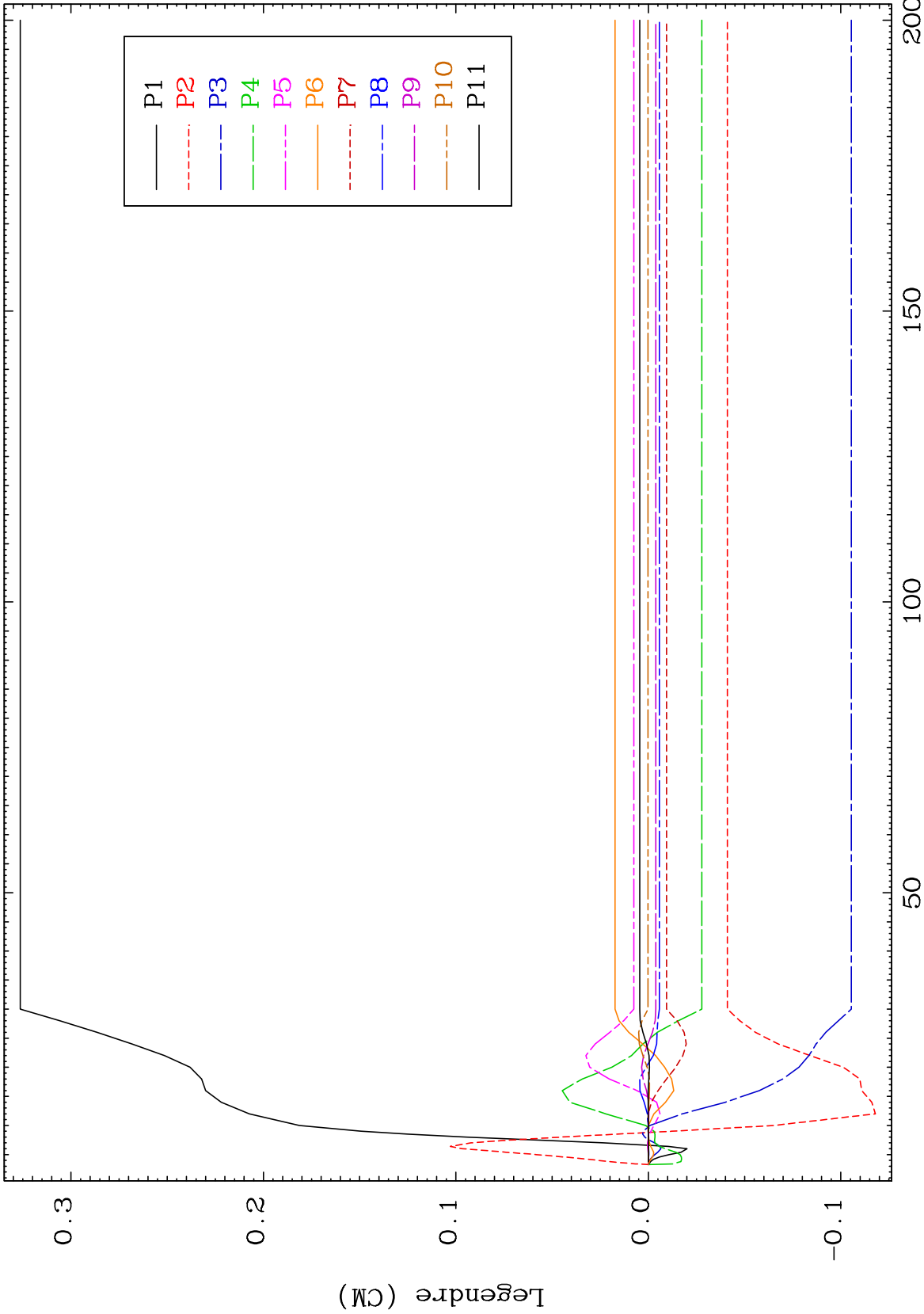
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

60-Nd-138



121

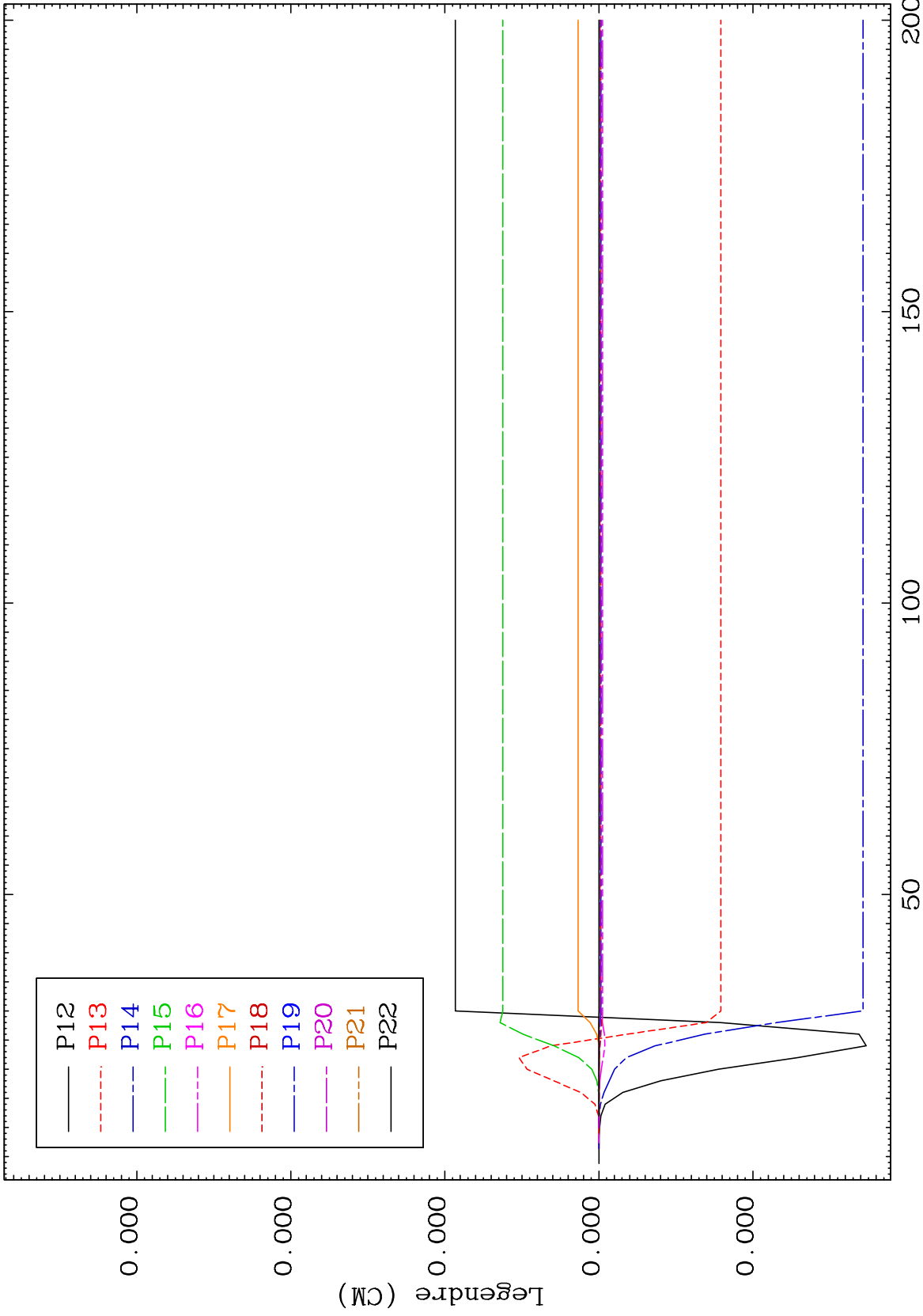
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

60-Nd-138



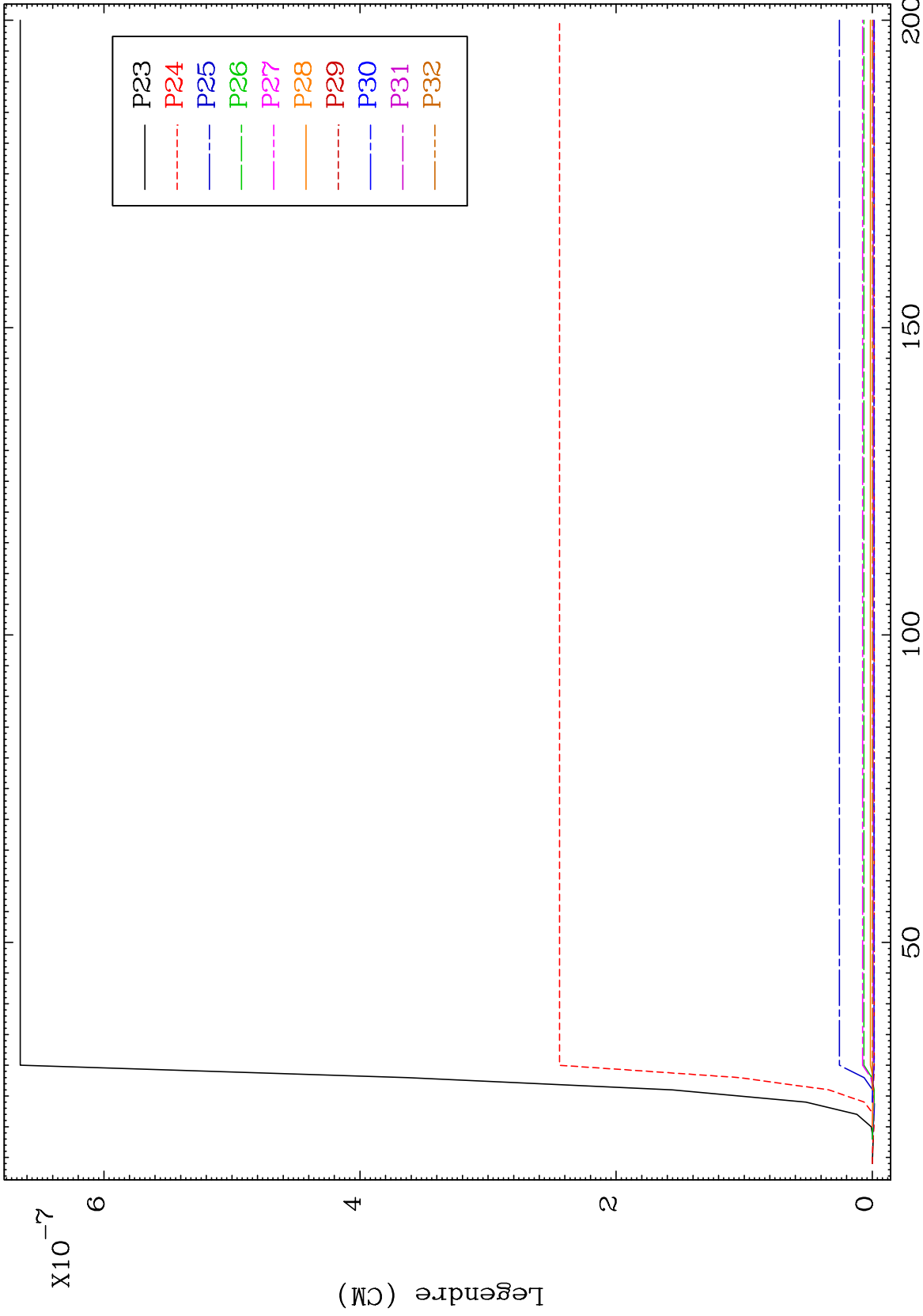
122

60-Nd-138

MAT 6013

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

60-Nd-138



123

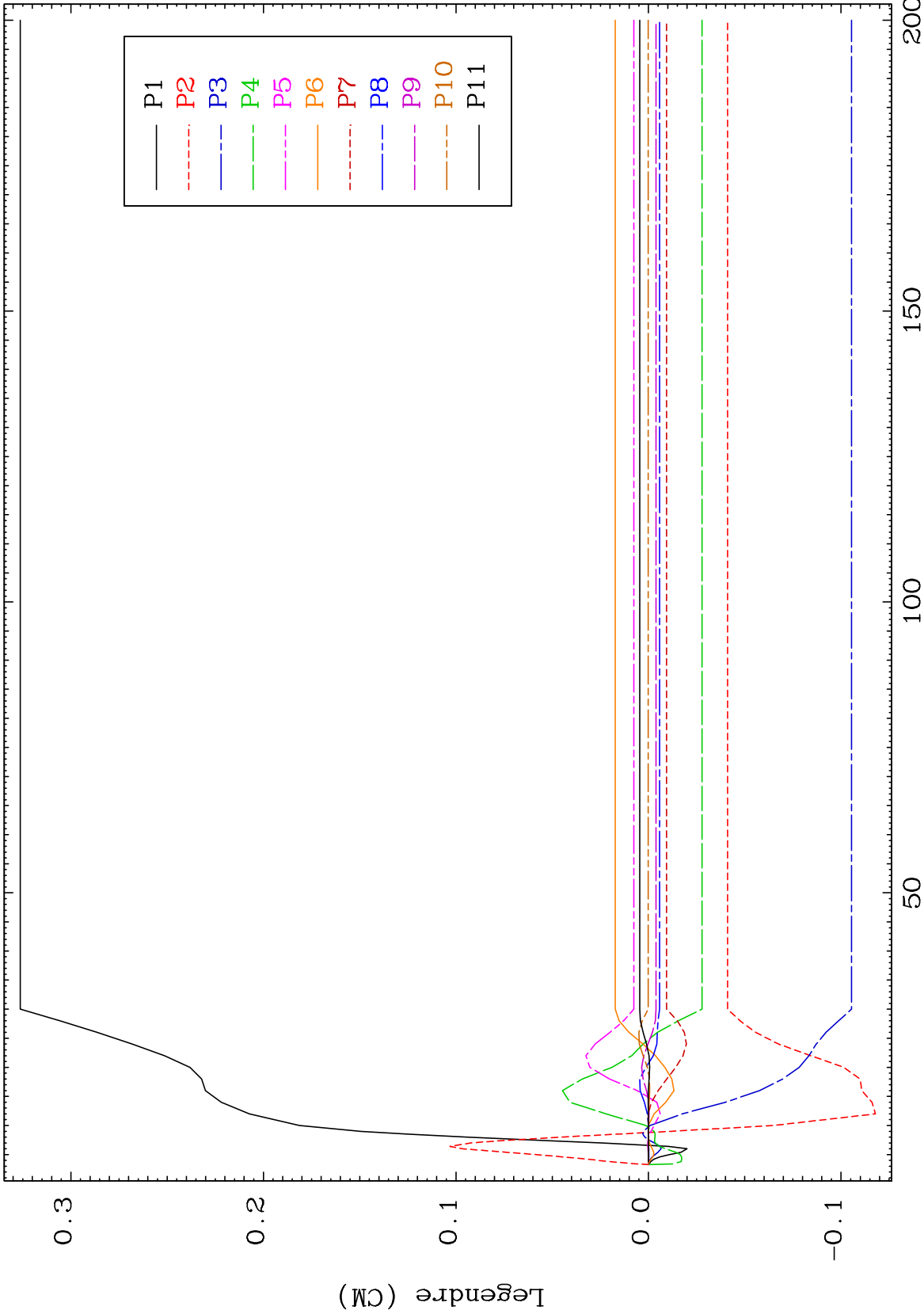
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

60-Nd-138



124

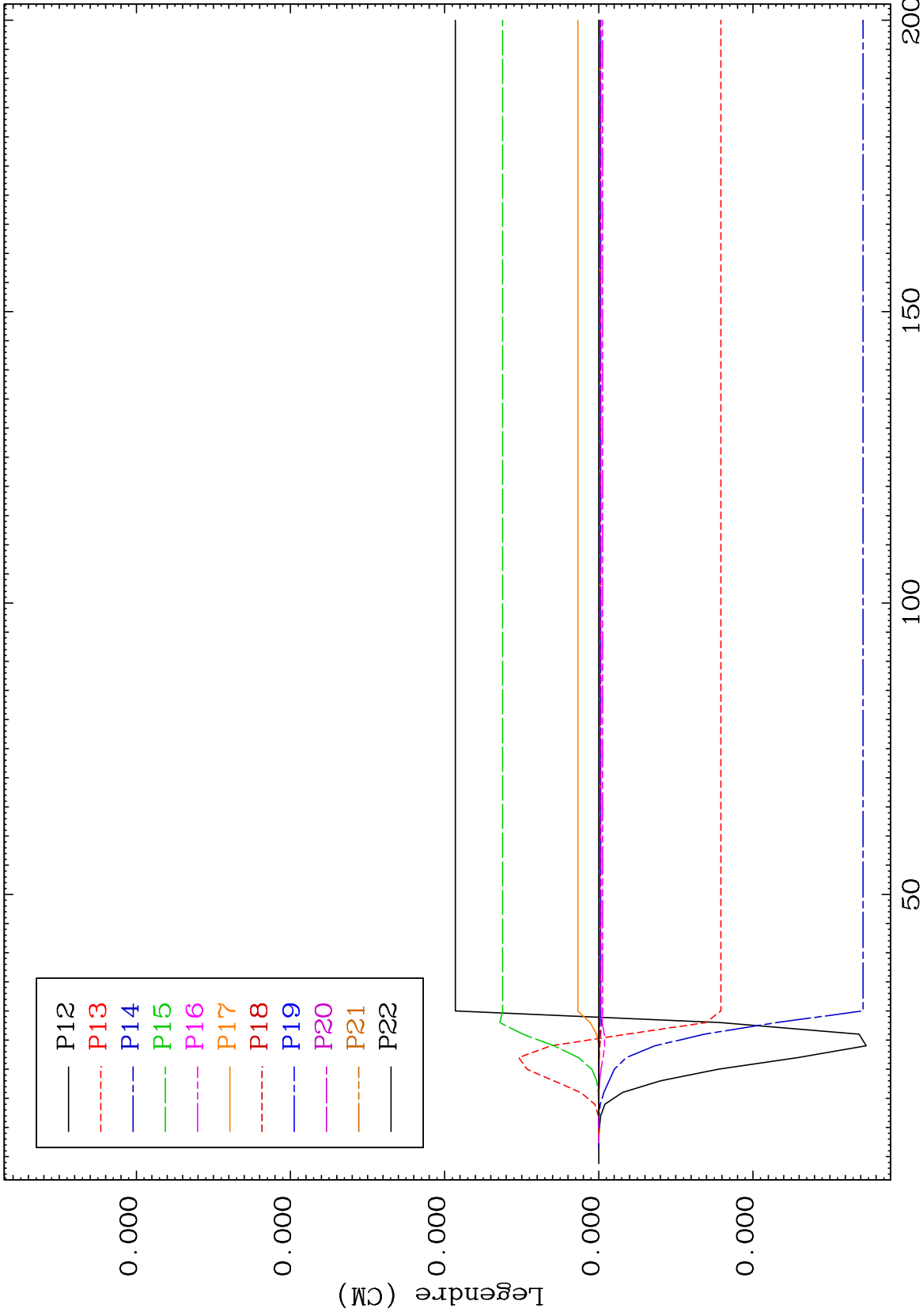
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

60-Nd-138



125

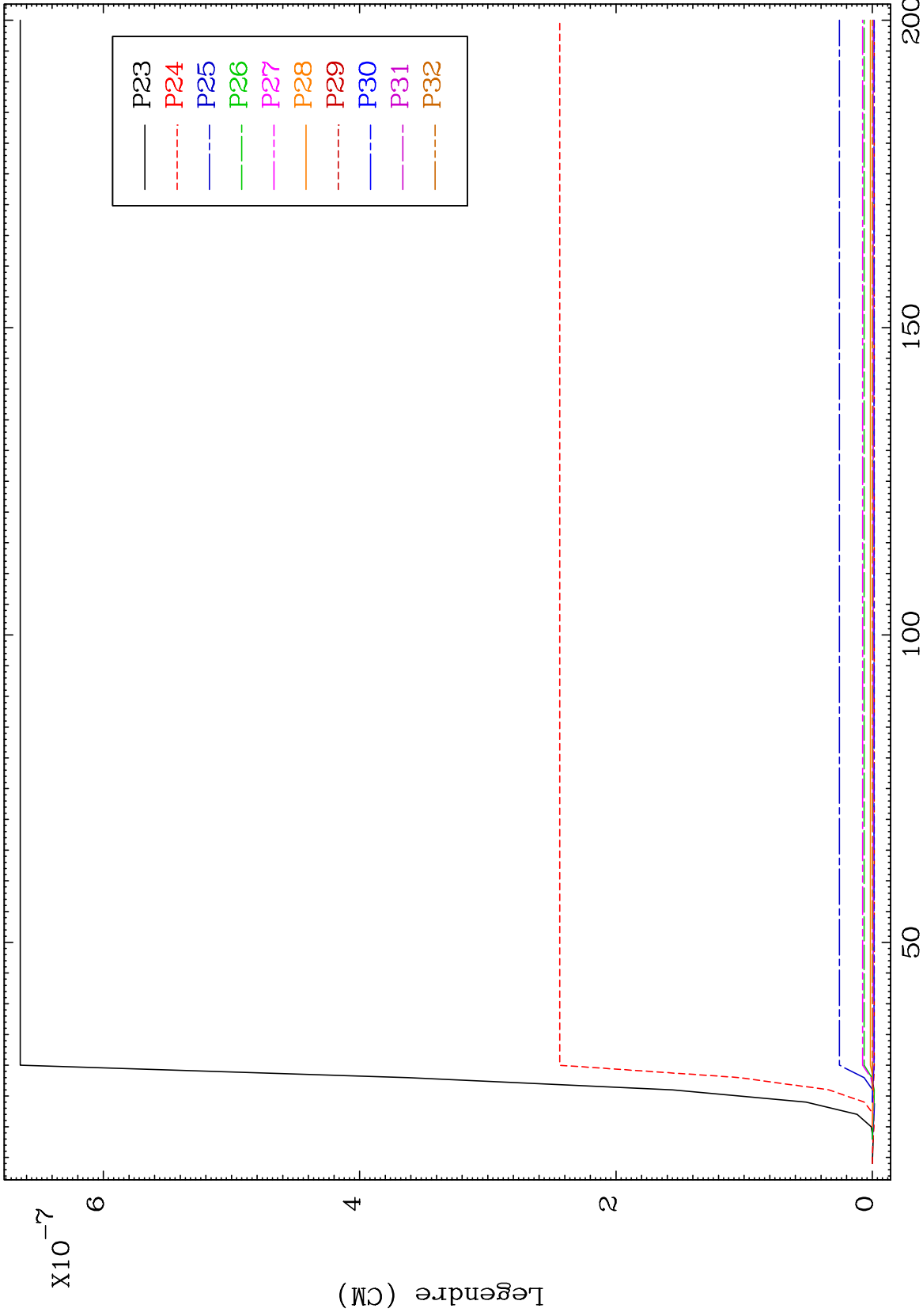
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

60-Nd-138

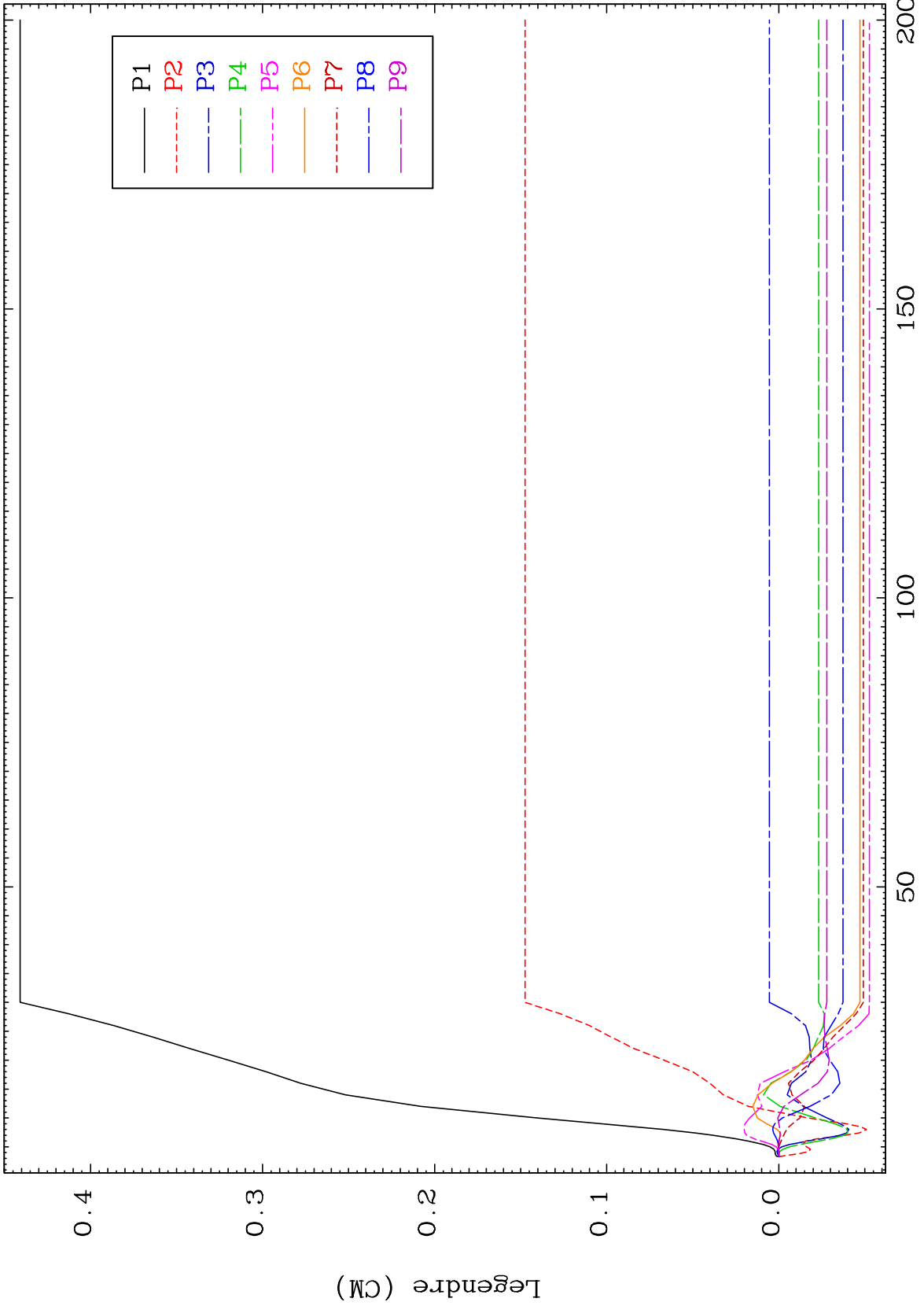


126

Incident Energy (MeV)

60-Nd-138

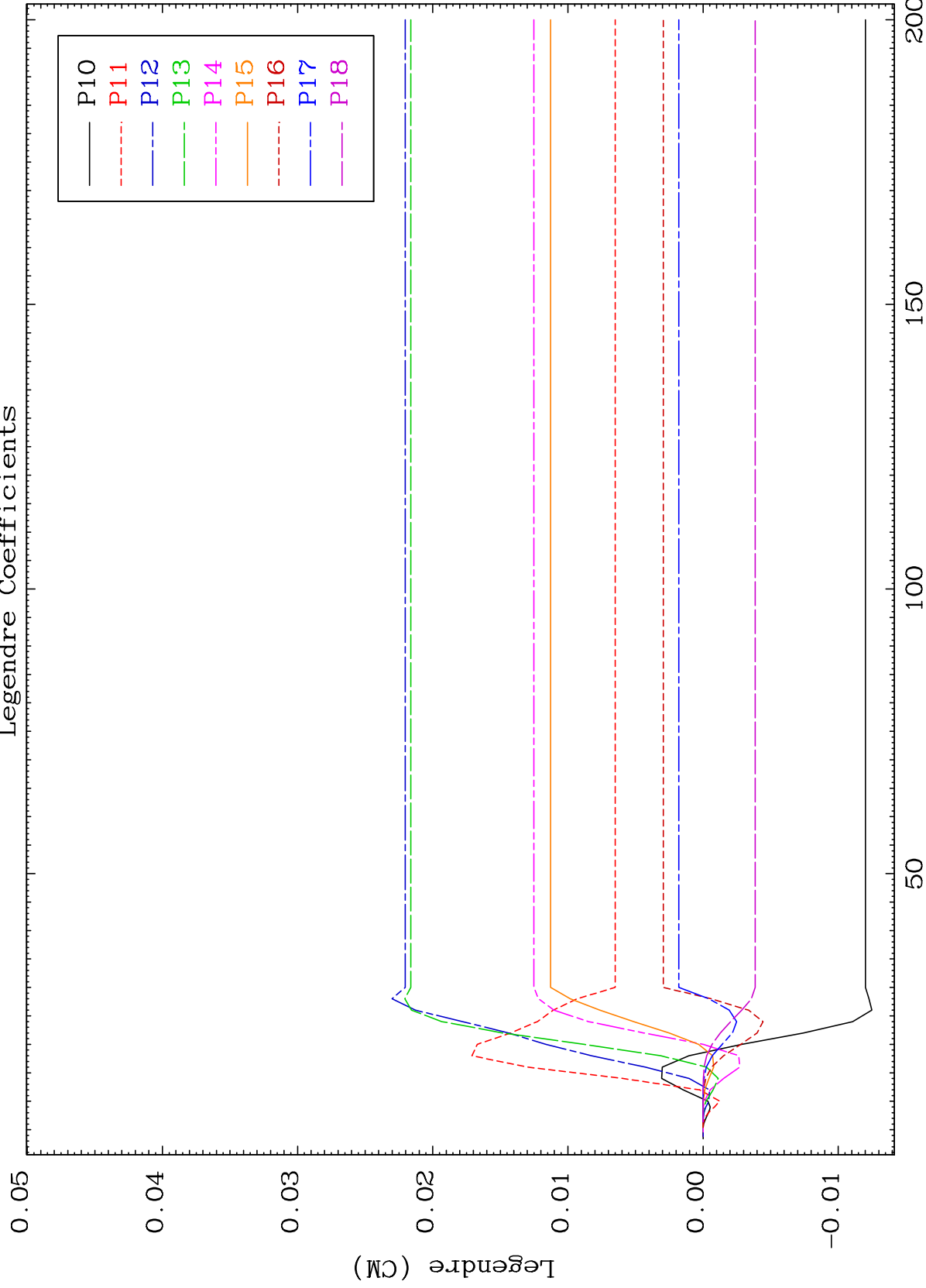
MAT 6013 MT= 80 (n,n') Level Legendre Coefficients 60-Nd-138



127 60-Nd-138

MAT 6013 MT= 80 (n,n') Level Legendre Coefficients

60-Nd-138



60-Nd-138

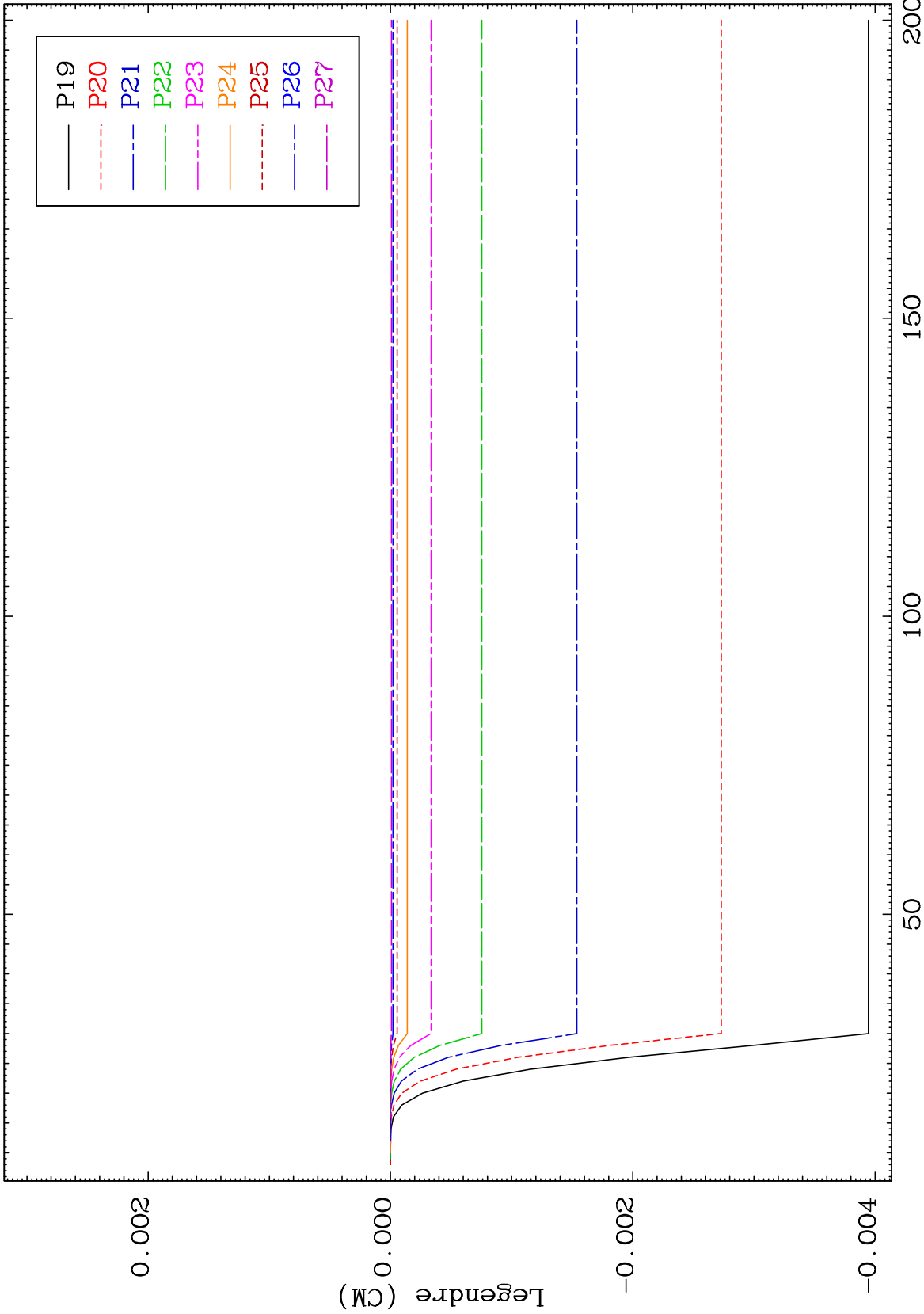
Incident Energy (MeV)

128

MAT 6013

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

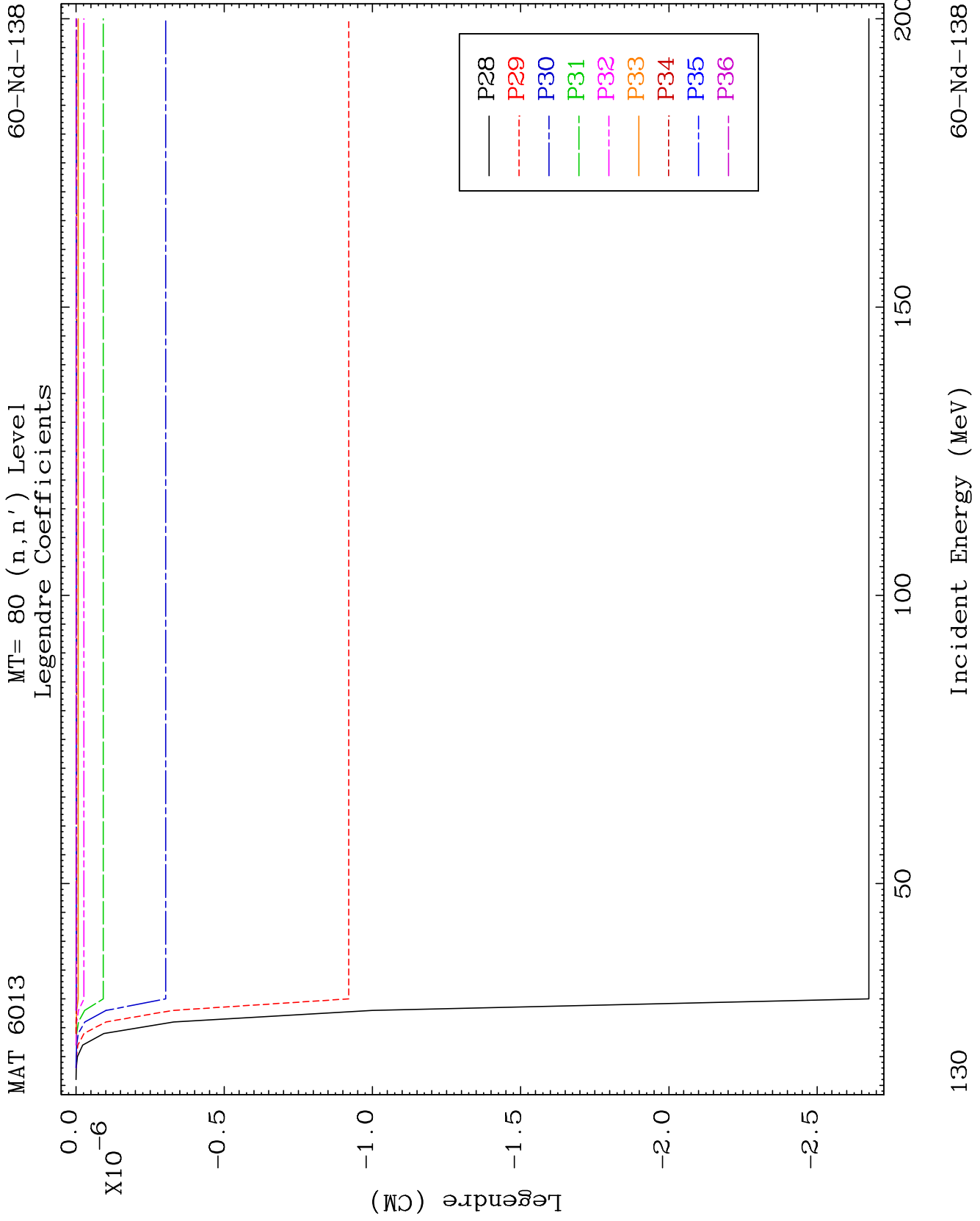
60-Nd-138



129

Incident Energy (MeV)

60-Nd-138

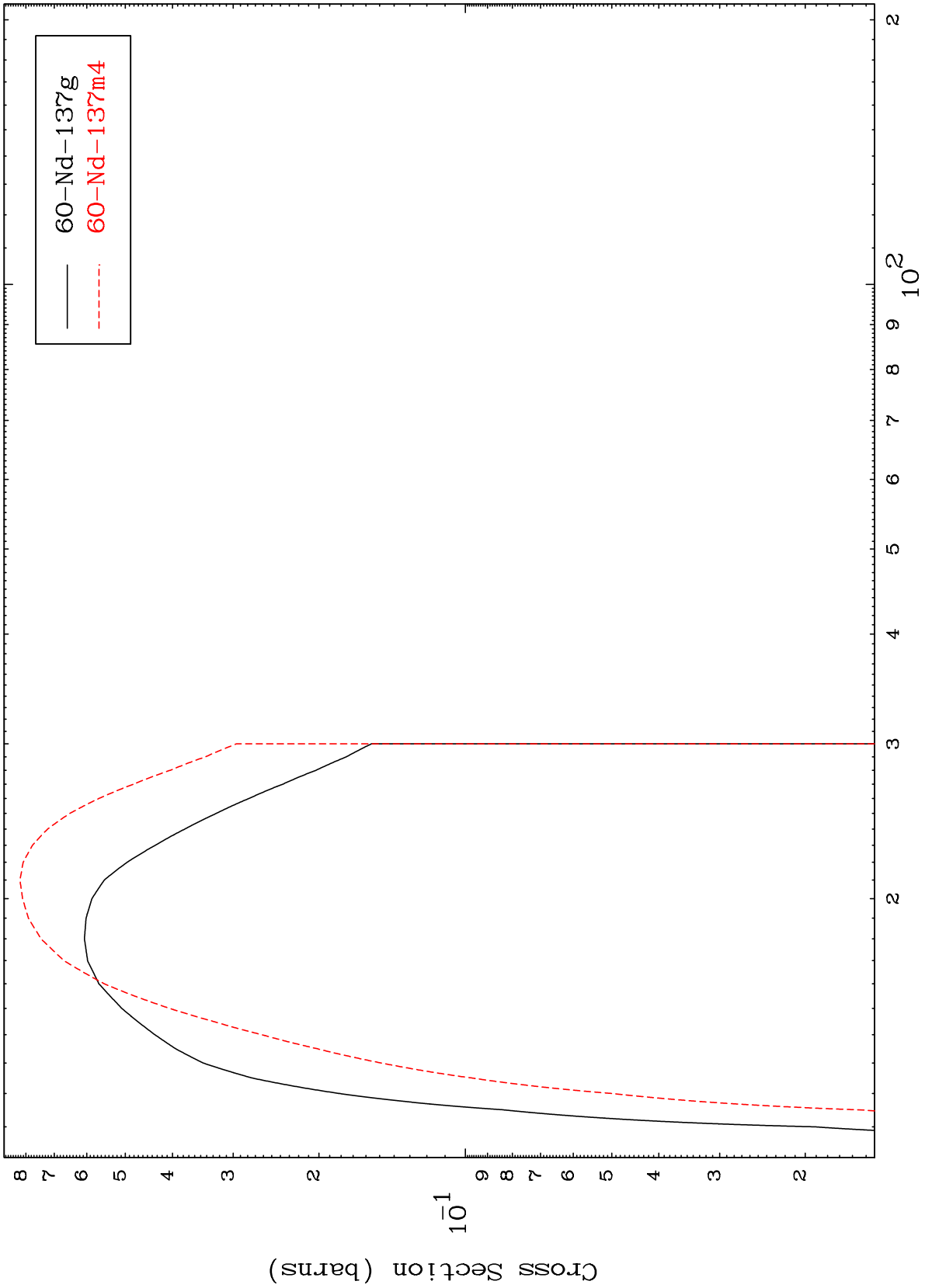


MAT 6013

(n,2n)

⁶⁰Nd-138

Radionuclide Production Cross Section



— 60-Nd-137g
- - - 60-Nd-137m4

131

Incident Energy (MeV)

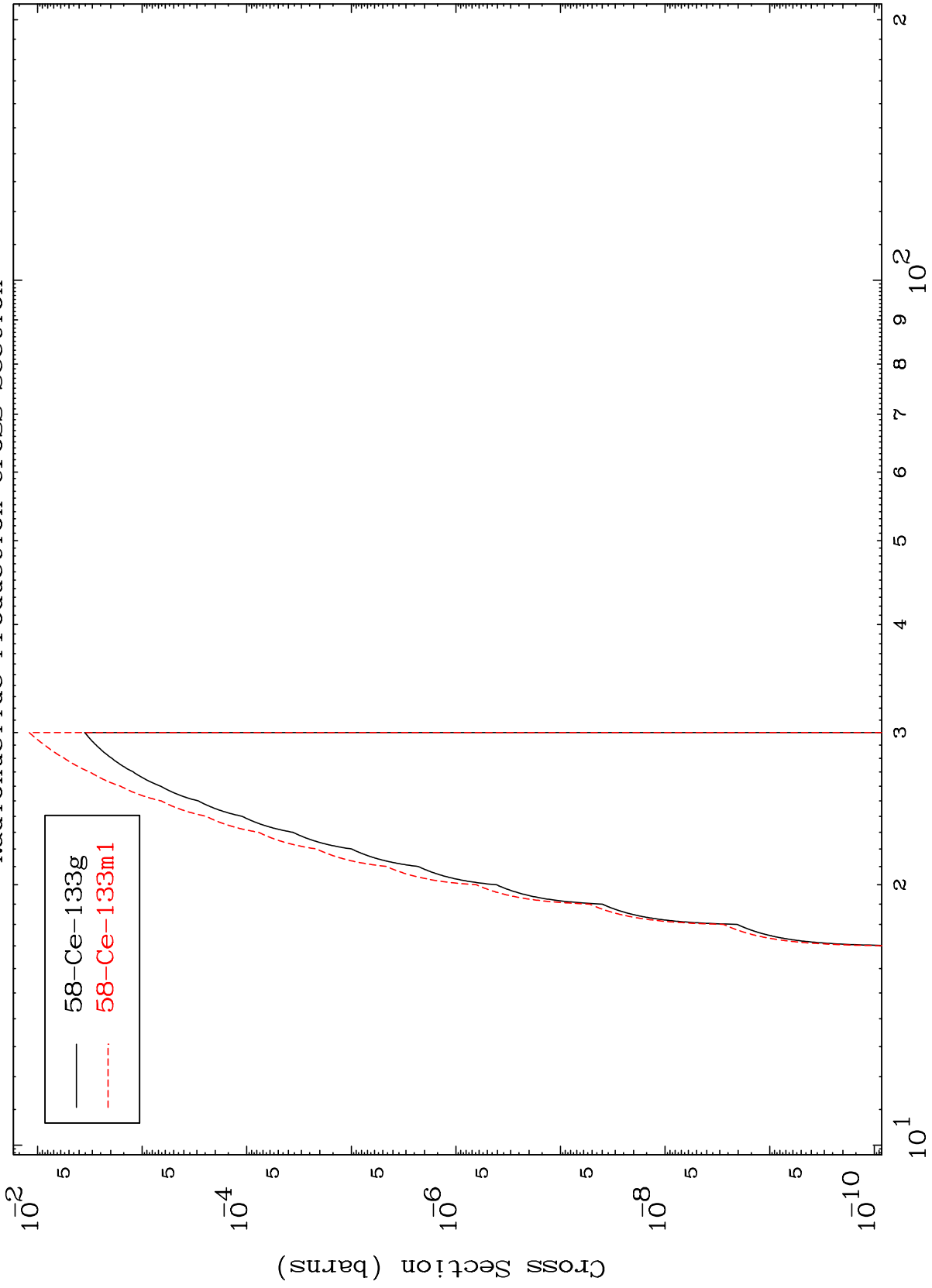
⁶⁰Nd-138

MAT 6013

(n,2n) α

60-Nd-138

Radionuclide Production Cross Section

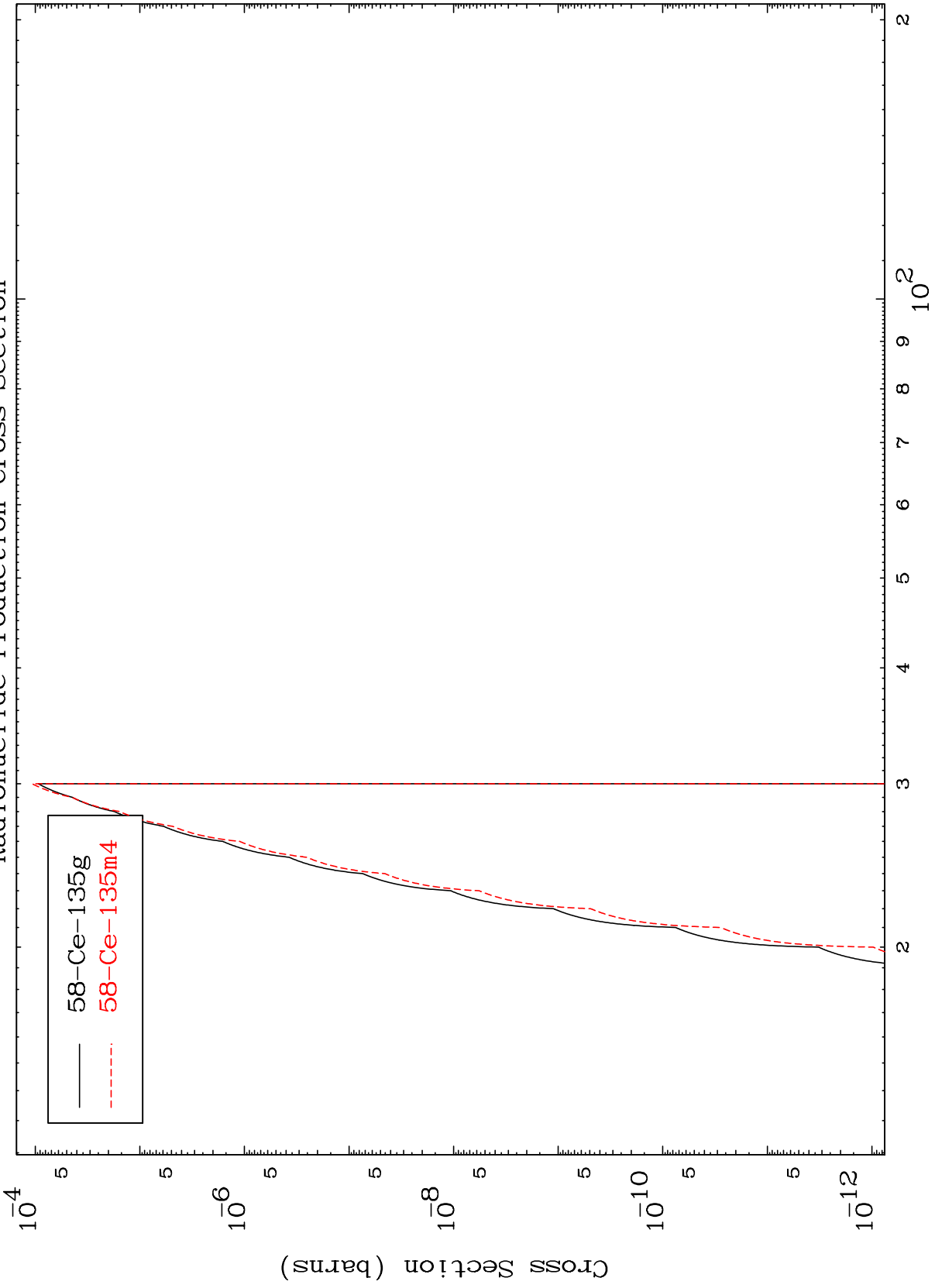


MAT 6013

(n, n') He-3

60-Nd-138

Radionuclide Production Cross Section



133

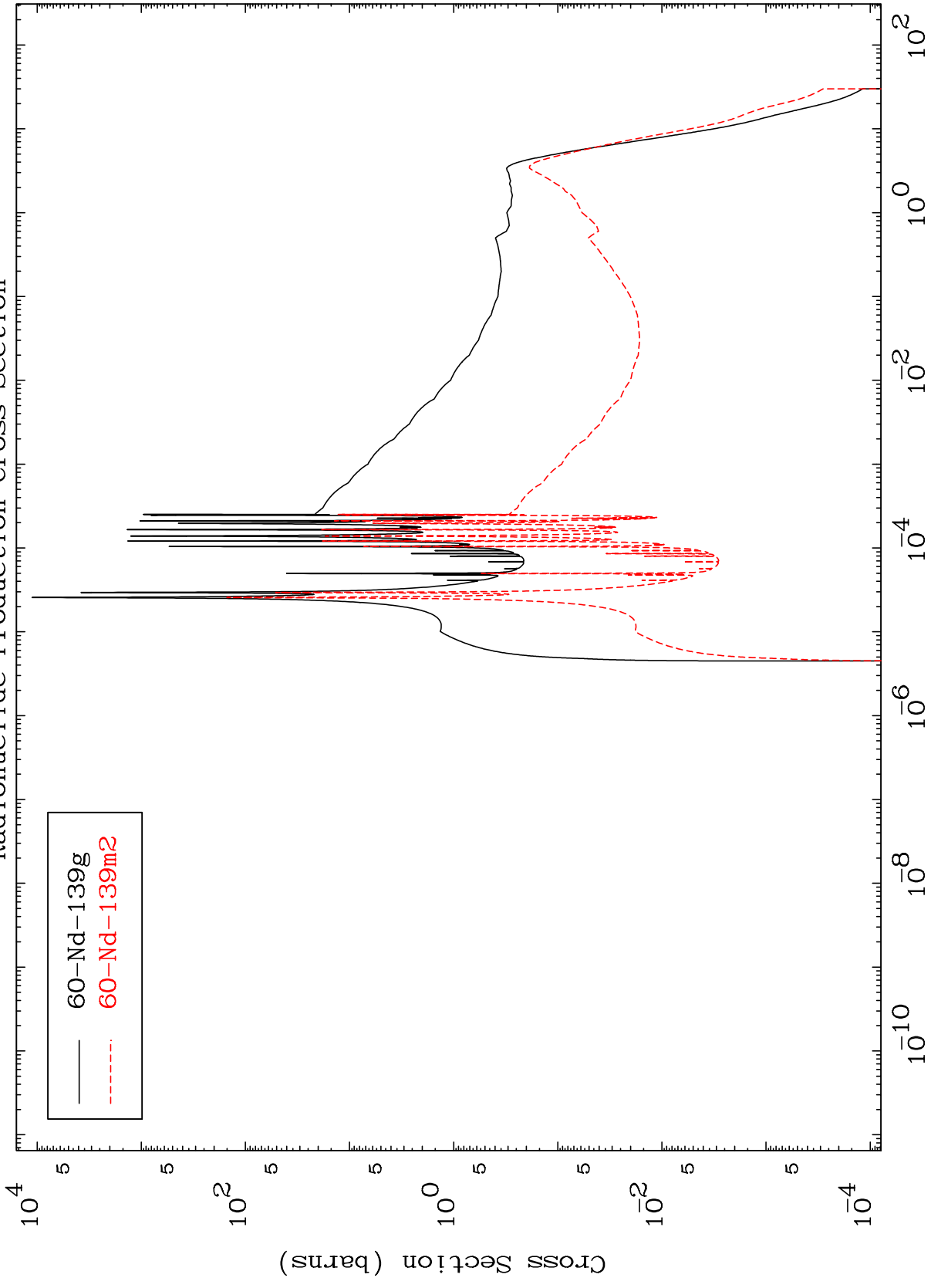
Incident Energy (MeV)

60-Nd-138

MAT 6013

60-Nd-138

Radionuclide Production Cross Section (n,γ)



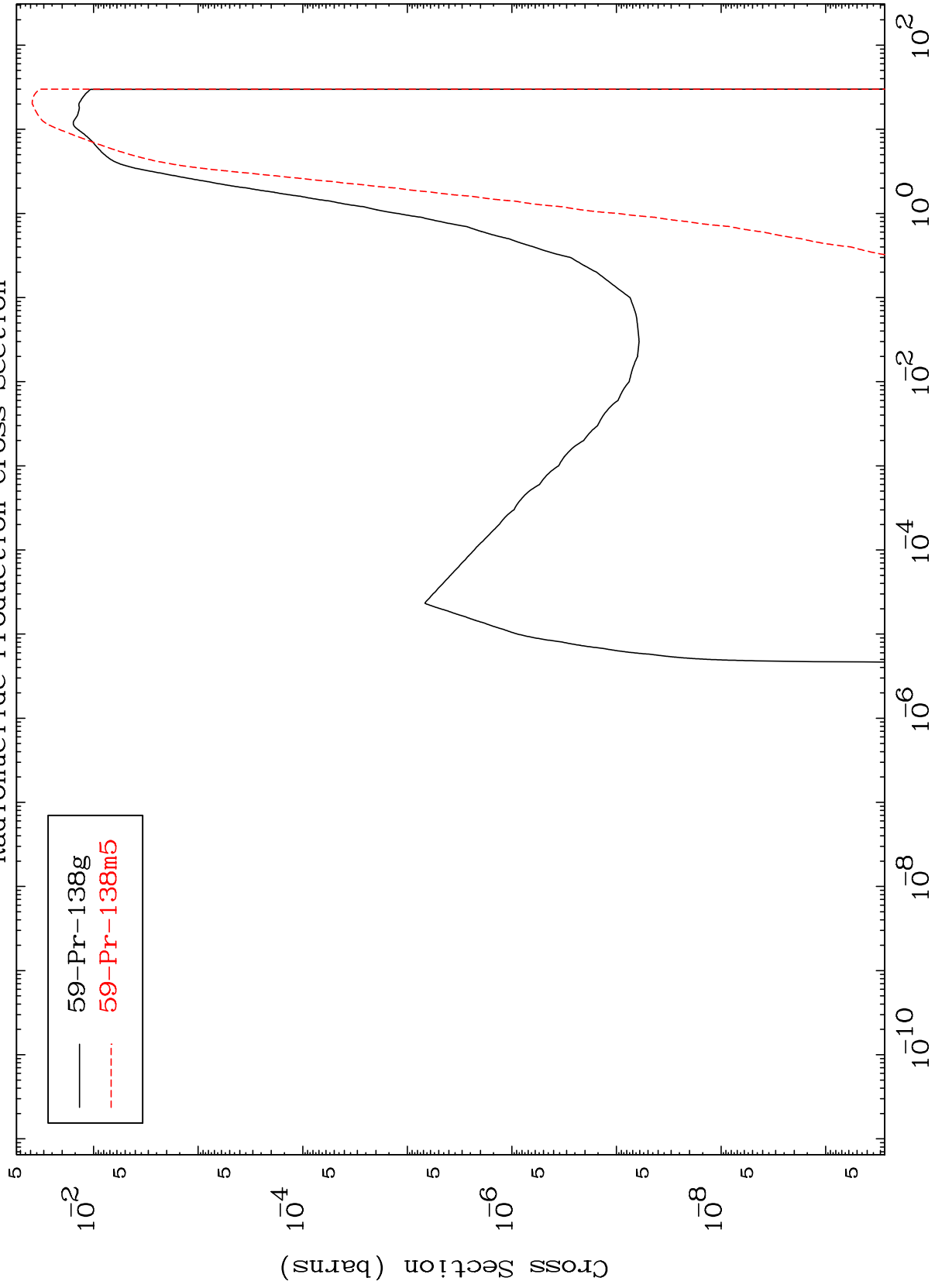
134

60-Nd-138

MAT 6013

Radionuclide Production Cross Section
(n,p)

60-Nd-138



135

Incident Energy (MeV)

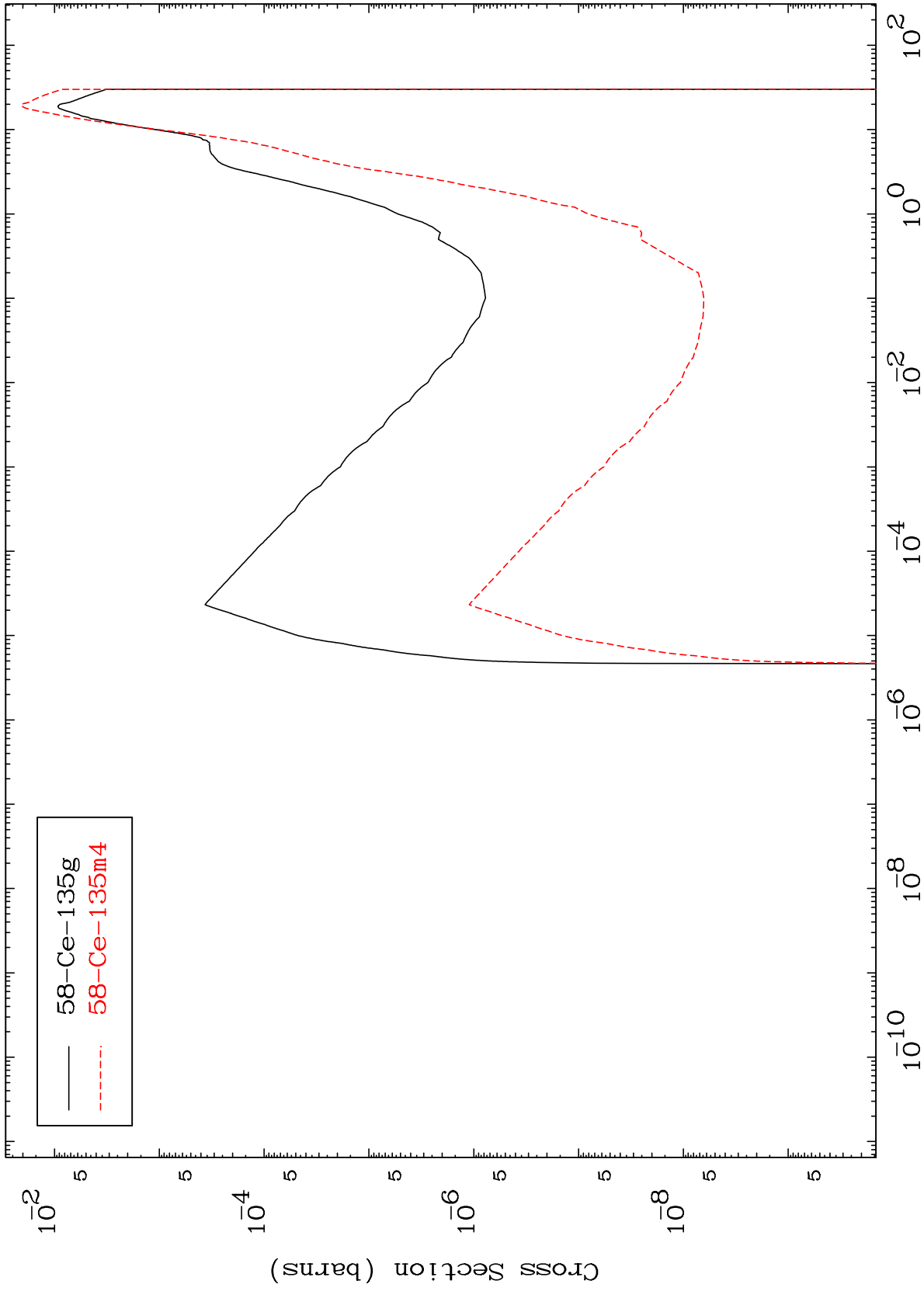
60-Nd-138

MAT 6013

(n, α)

60-Nd-138

Radionuclide Production Cross Section



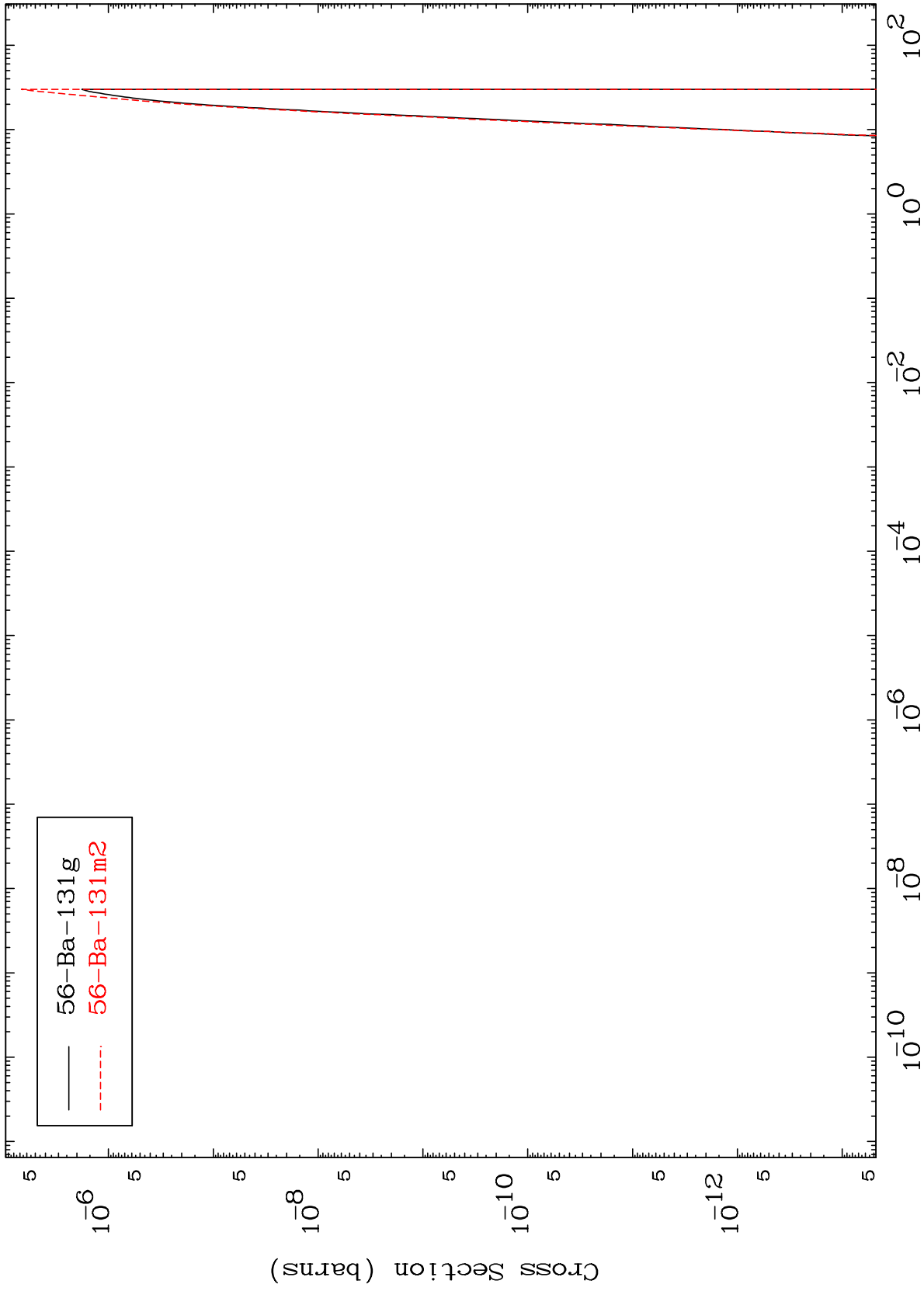
136

MAT 6013

(n,2α)

60-Nd-138

Radionuclide Production Cross Section



137

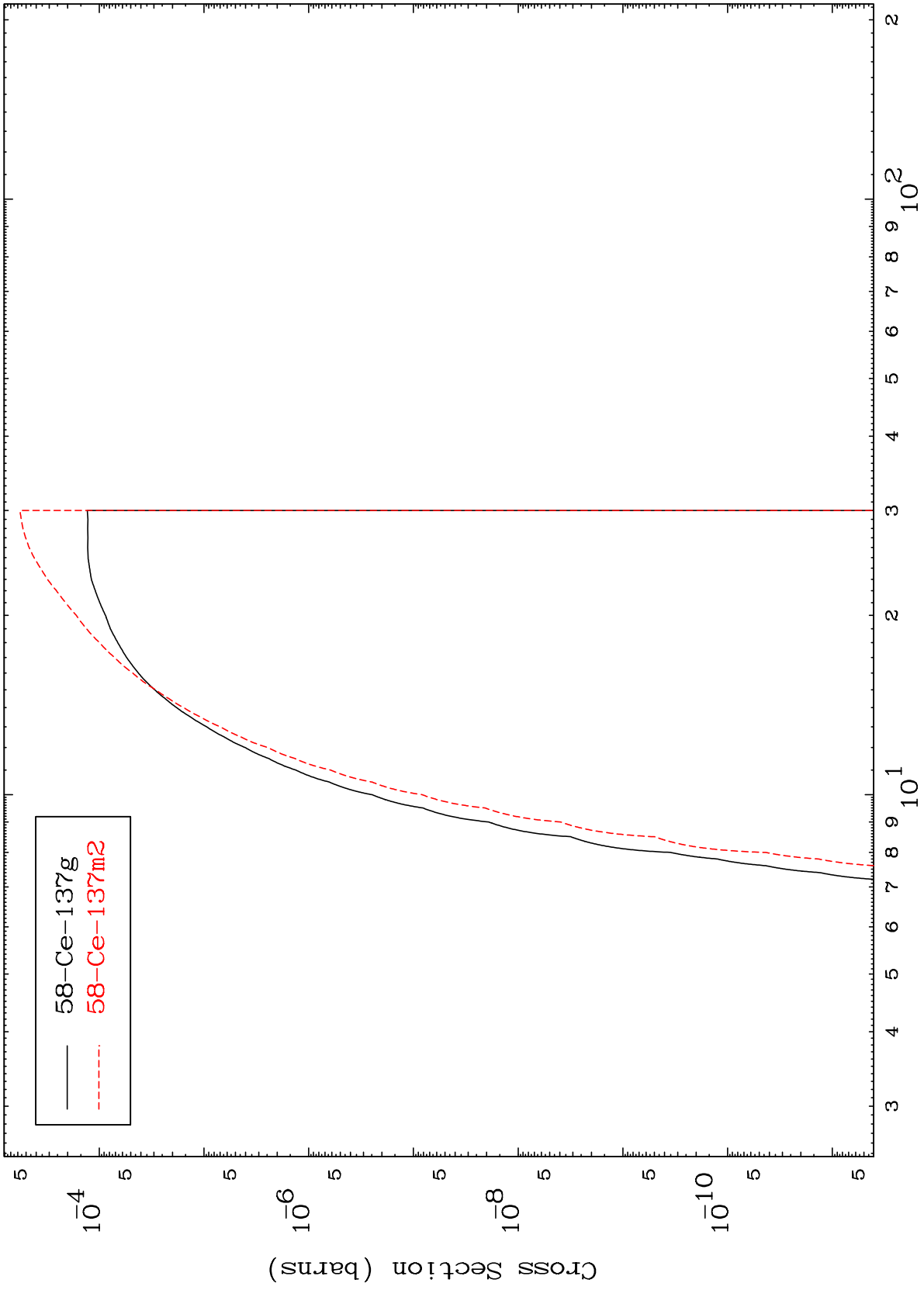
Incident Energy (MeV)

60-Nd-138

MAT 6013

60-Nd-138

(n,2p)
Radionuclide Production Cross Section



138

Incident Energy (MeV)

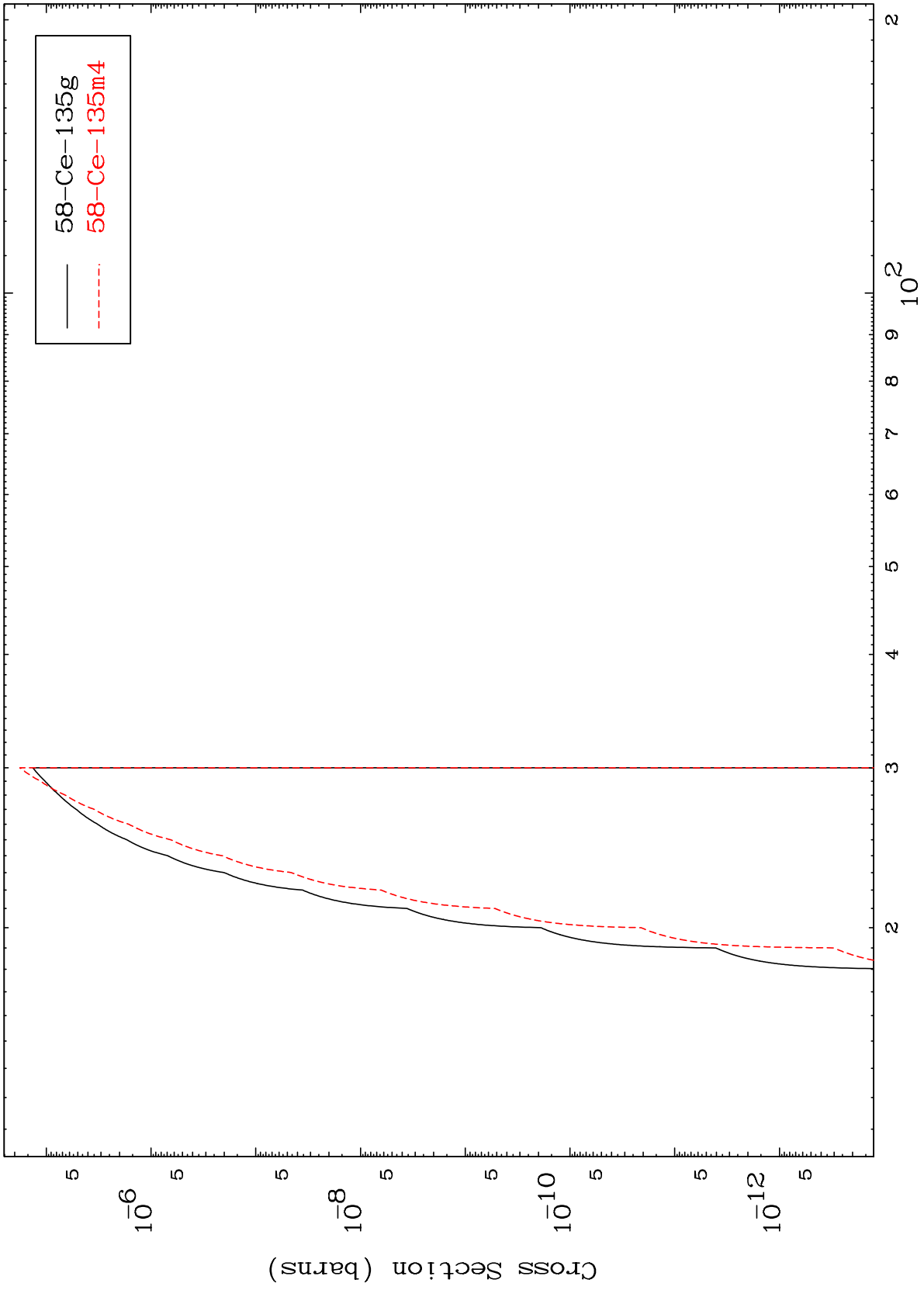
60-Nd-138

MAT 6013

(n,p) t

60-Nd-138

Radionuclide Production Cross Section



139

Incident Energy (MeV)

60-Nd-138