

Program EVALPLOT
(Version 2018-1)

by

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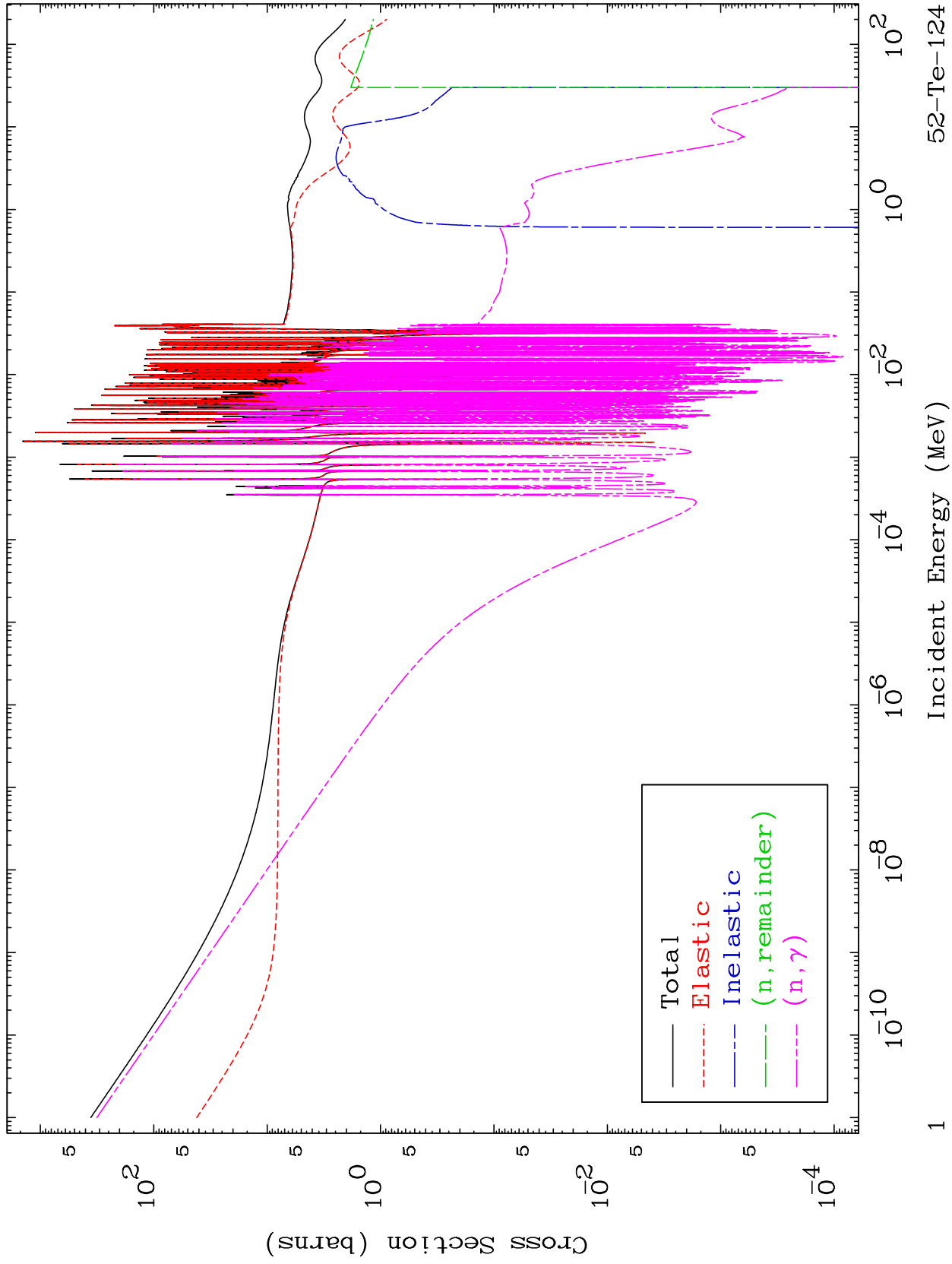
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5237

Major
293 Kelvin Cross Sections

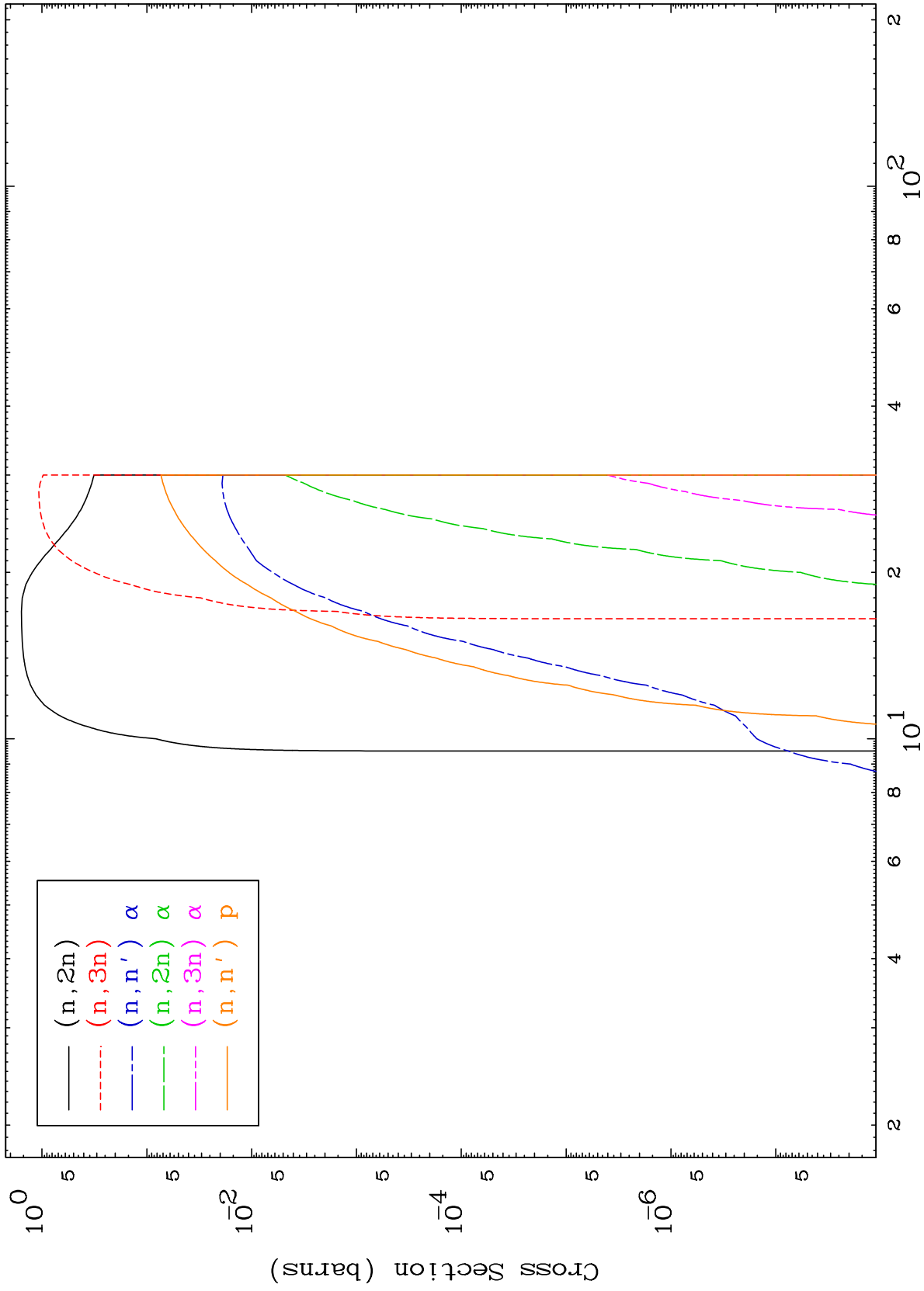
52-Te-124



MAT 5237

Neutron Production
293 Kelvin Cross Sections

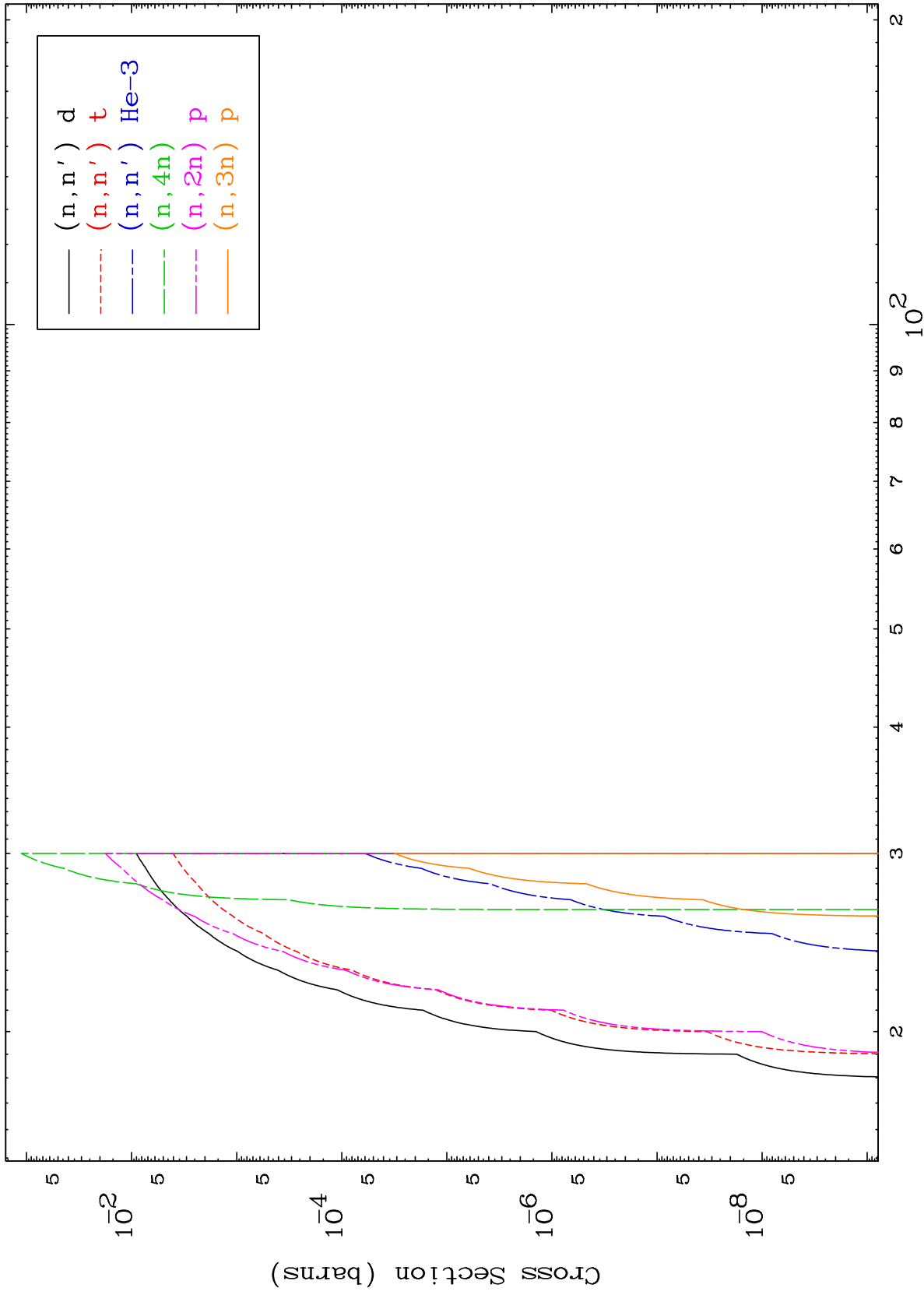
52-Te-124

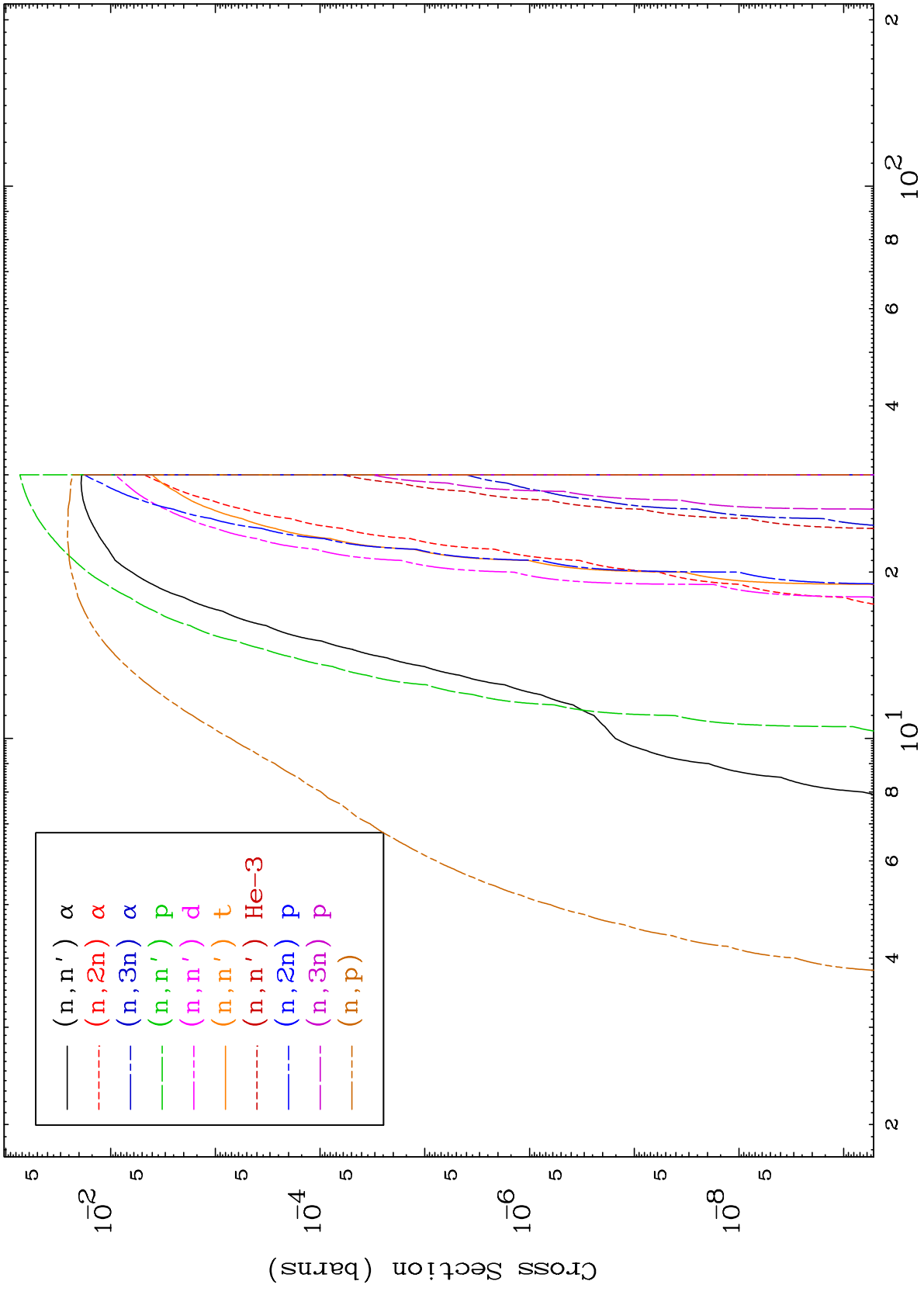


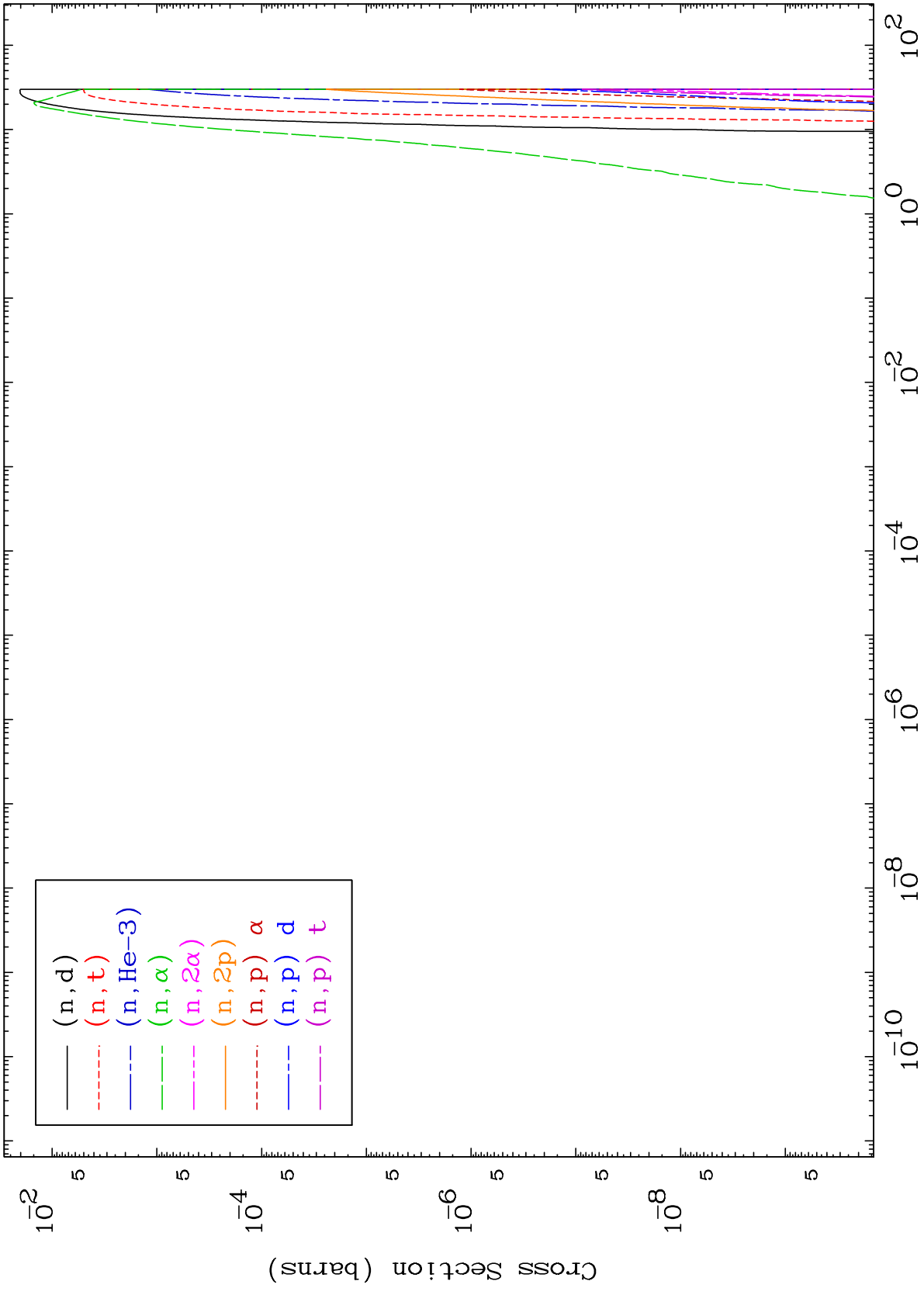
2

Incident Energy (MeV)

52-Te-124



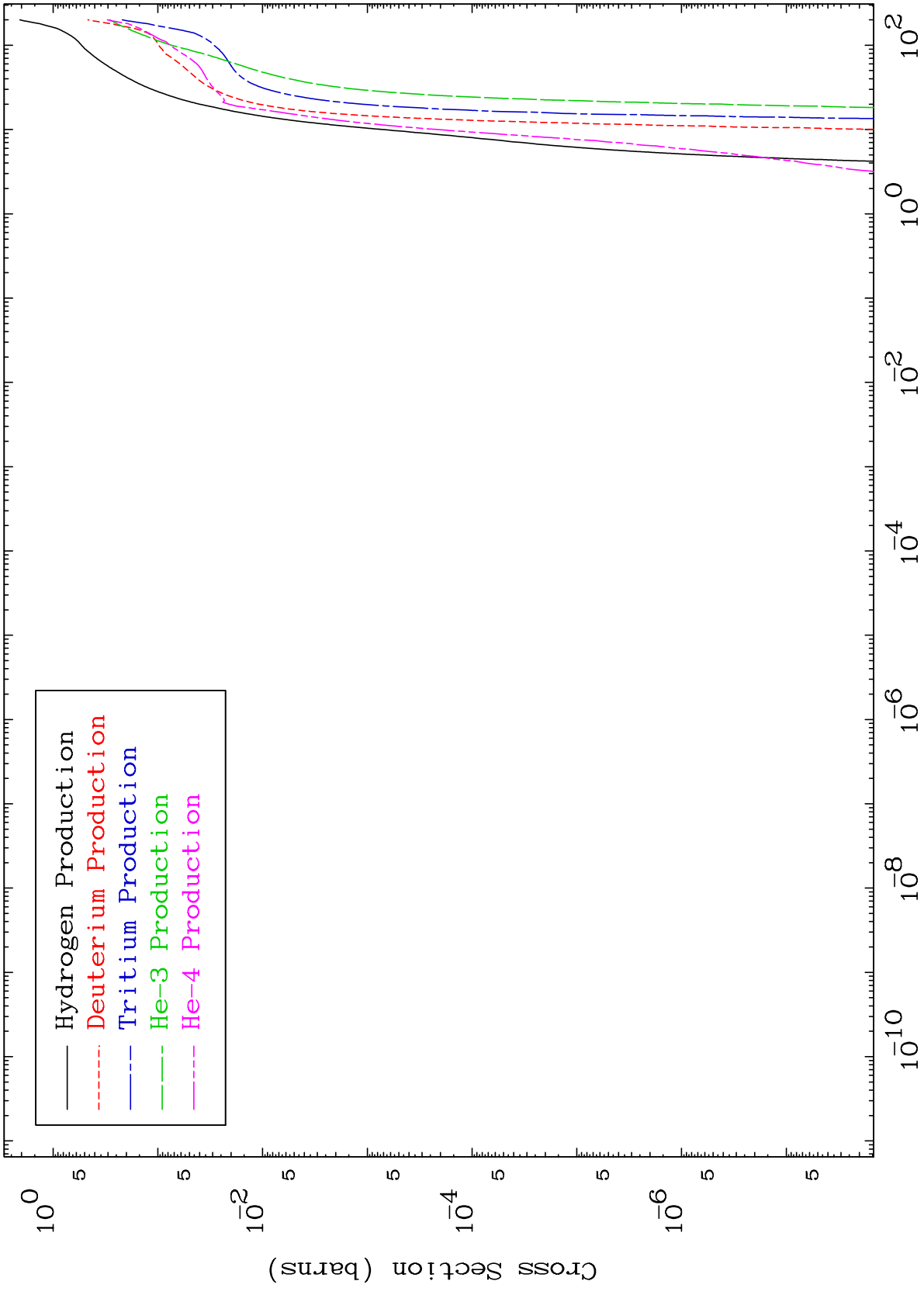




MAT 5237

Particle Production
293 Kelvin Cross Sections

52-Te-124



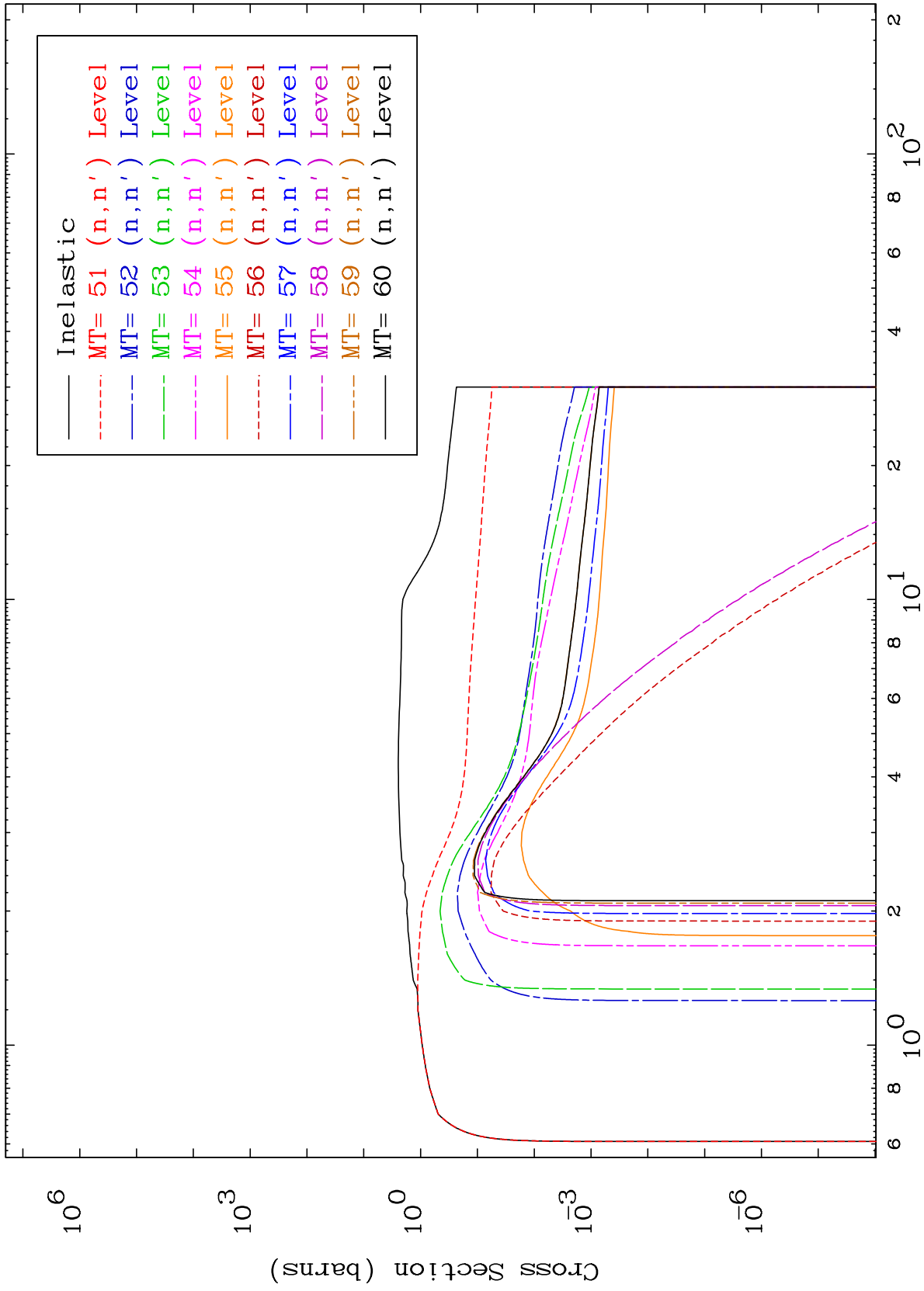
52-Te-124

MAT 5237

(n,n') Level

52-Te-124

293 Kelvin Cross Sections



7

Incident Energy (MeV)

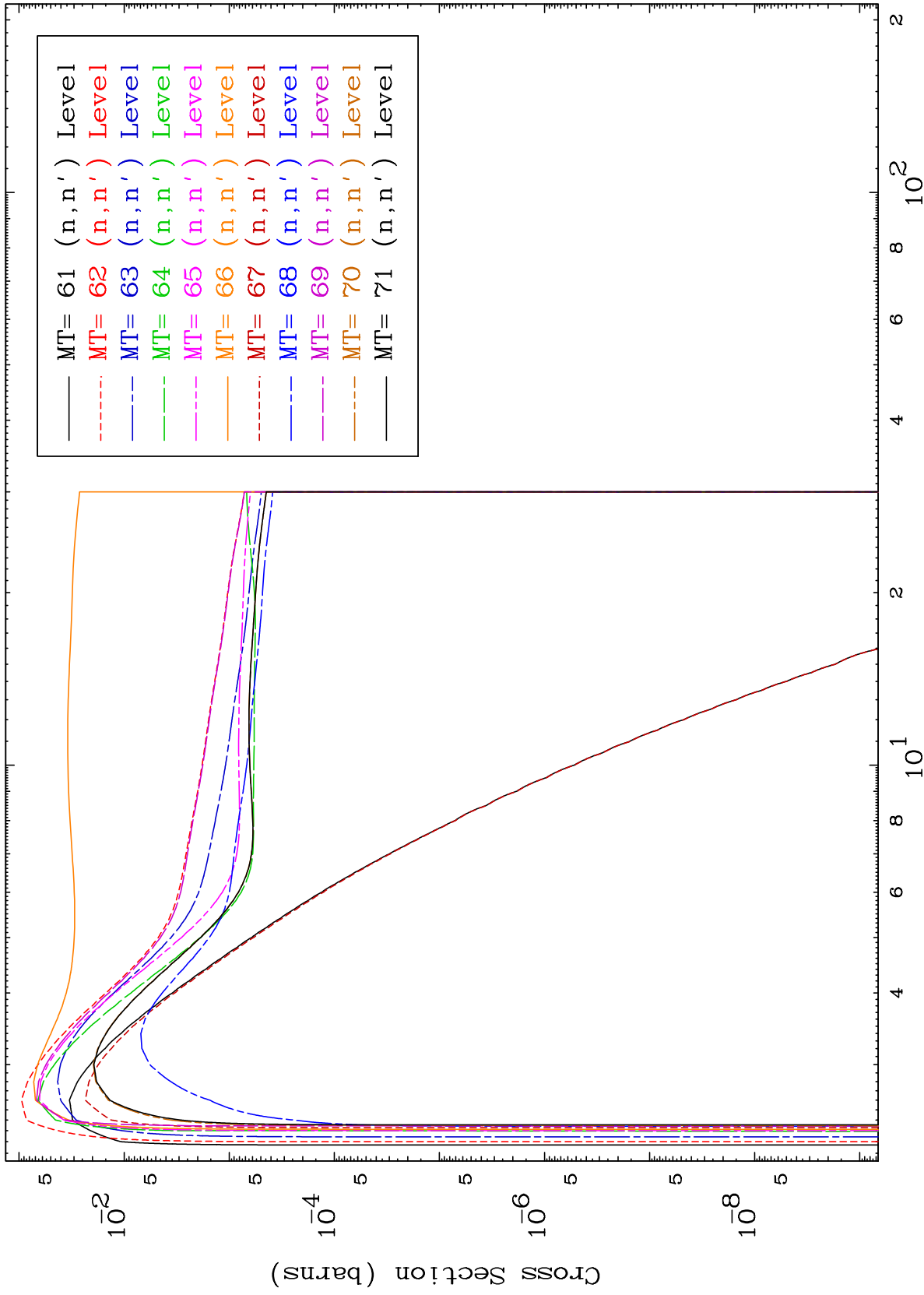
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MAT 5237

(n,n') Level

293 Kelvin Cross Sections

52-Te-124



8

Incident Energy (MeV)

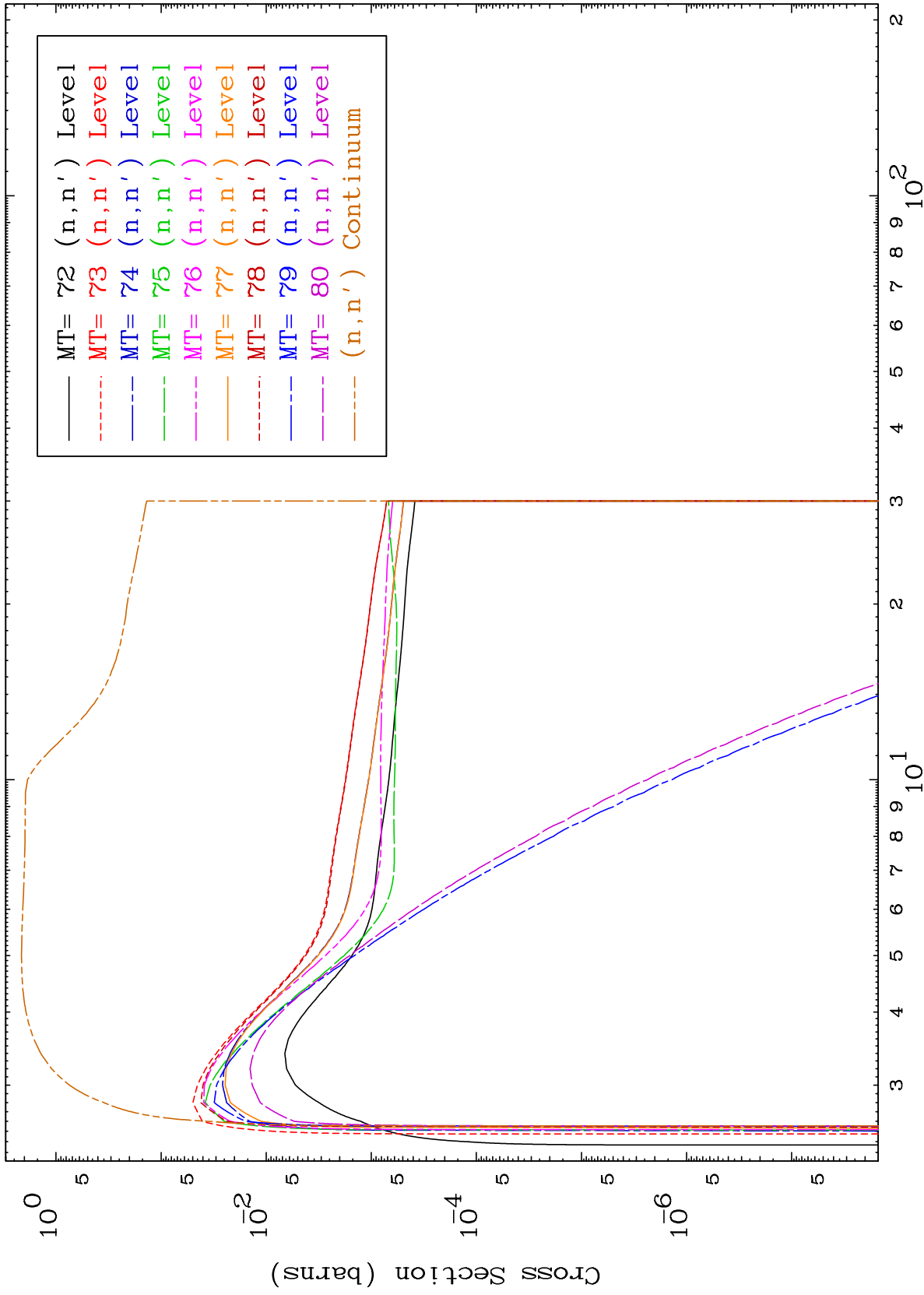
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MAT 5237

(n,n') Level

52-Te-124

293 Kelvin Cross Sections



9

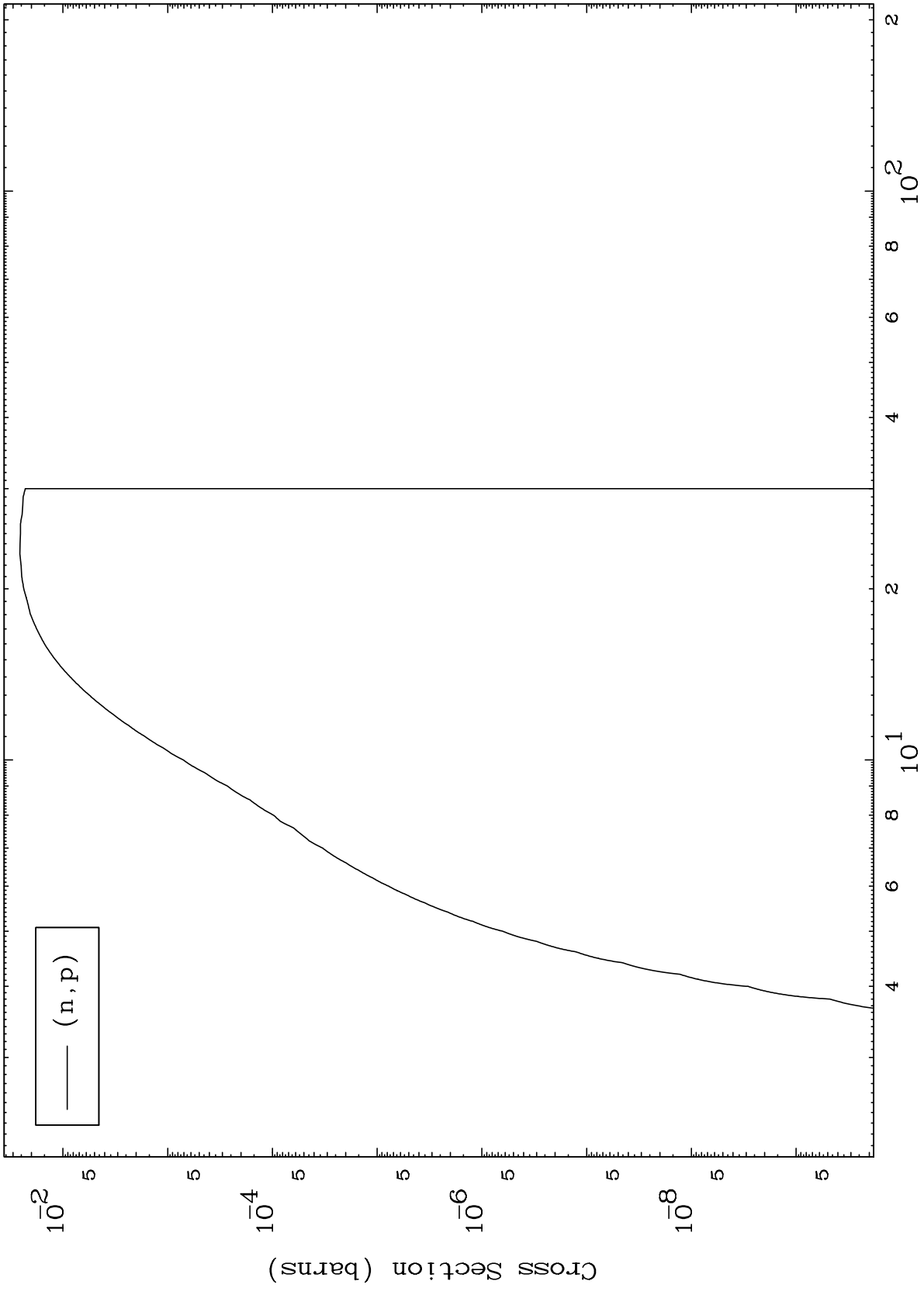
Incident Energy (MeV)

52-Te-124

MAT 5237

(n,p) Levels
293 Kelvin Cross Sections

52-Te-124



10

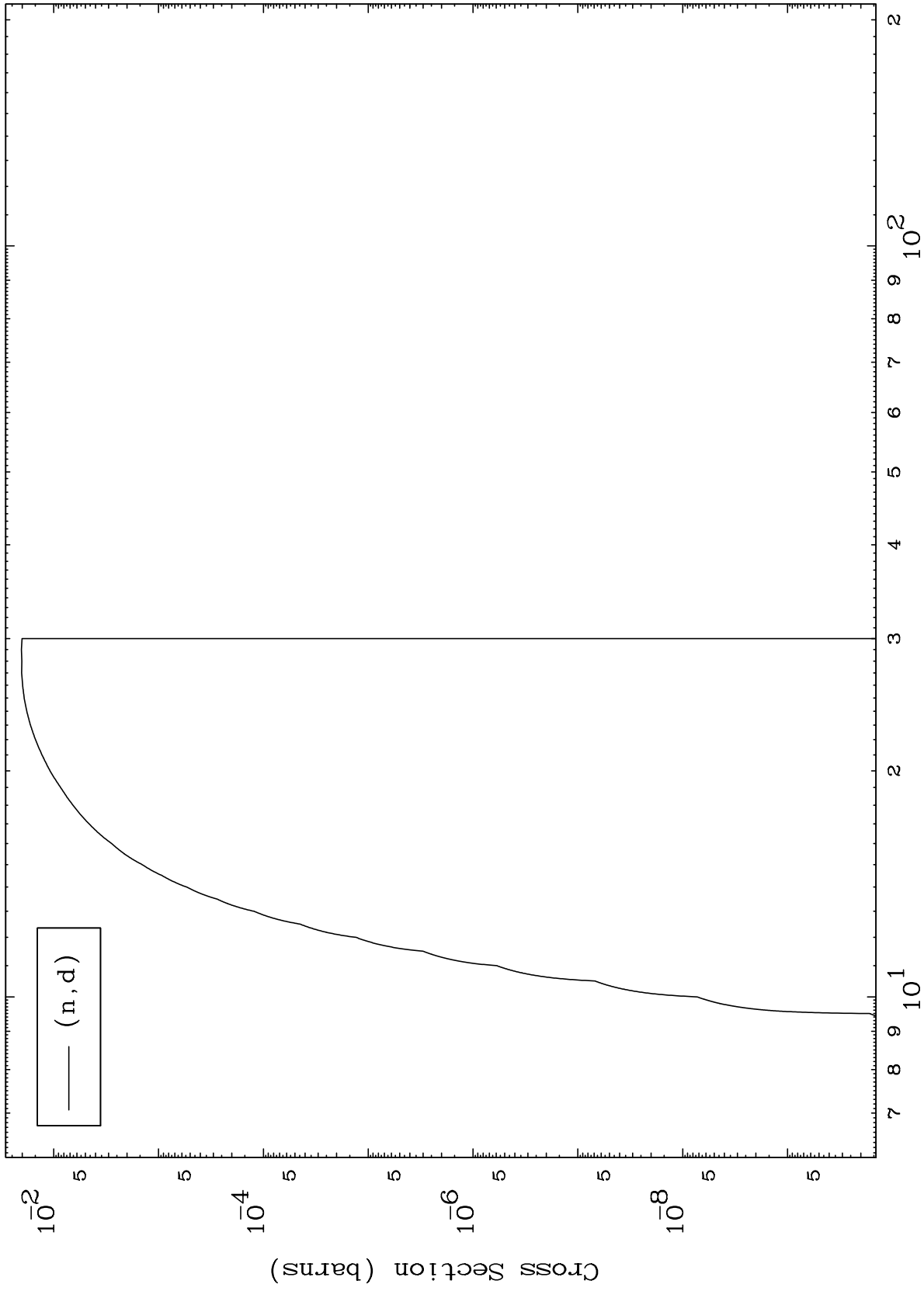
Incident Energy (MeV)

52-Te-124

MAT 5237

(n,d) Levels
293 Kelvin Cross Sections

52-Te-124



11

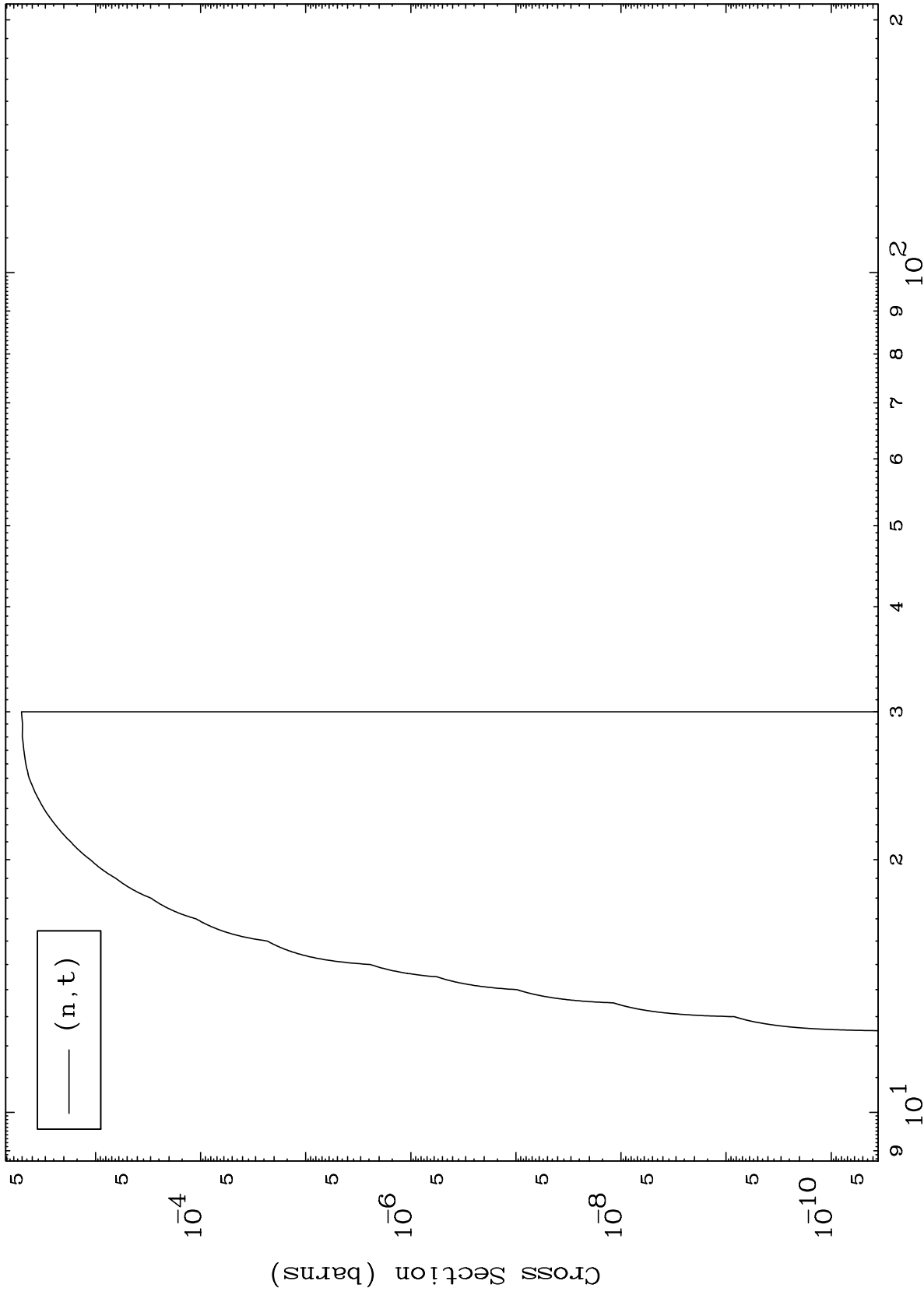
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52-Te-124

MAT 5237

(n,t) Levels
293 Kelvin Cross Sections

52-Te-124



12

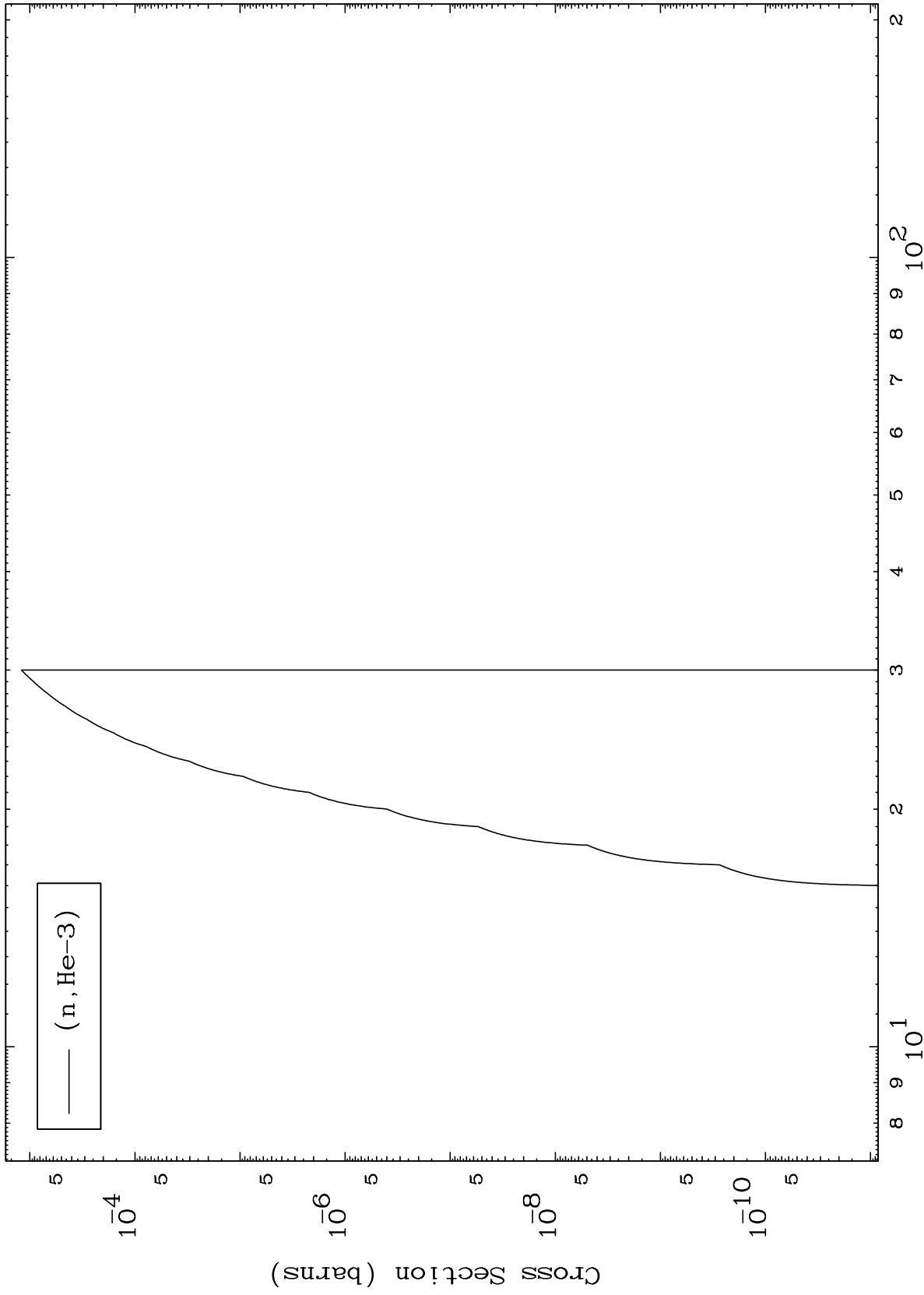
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52-Te-124

MAT 5237

(n,He3) Levels
293 Kelvin Cross Sections

52-Te-124



13

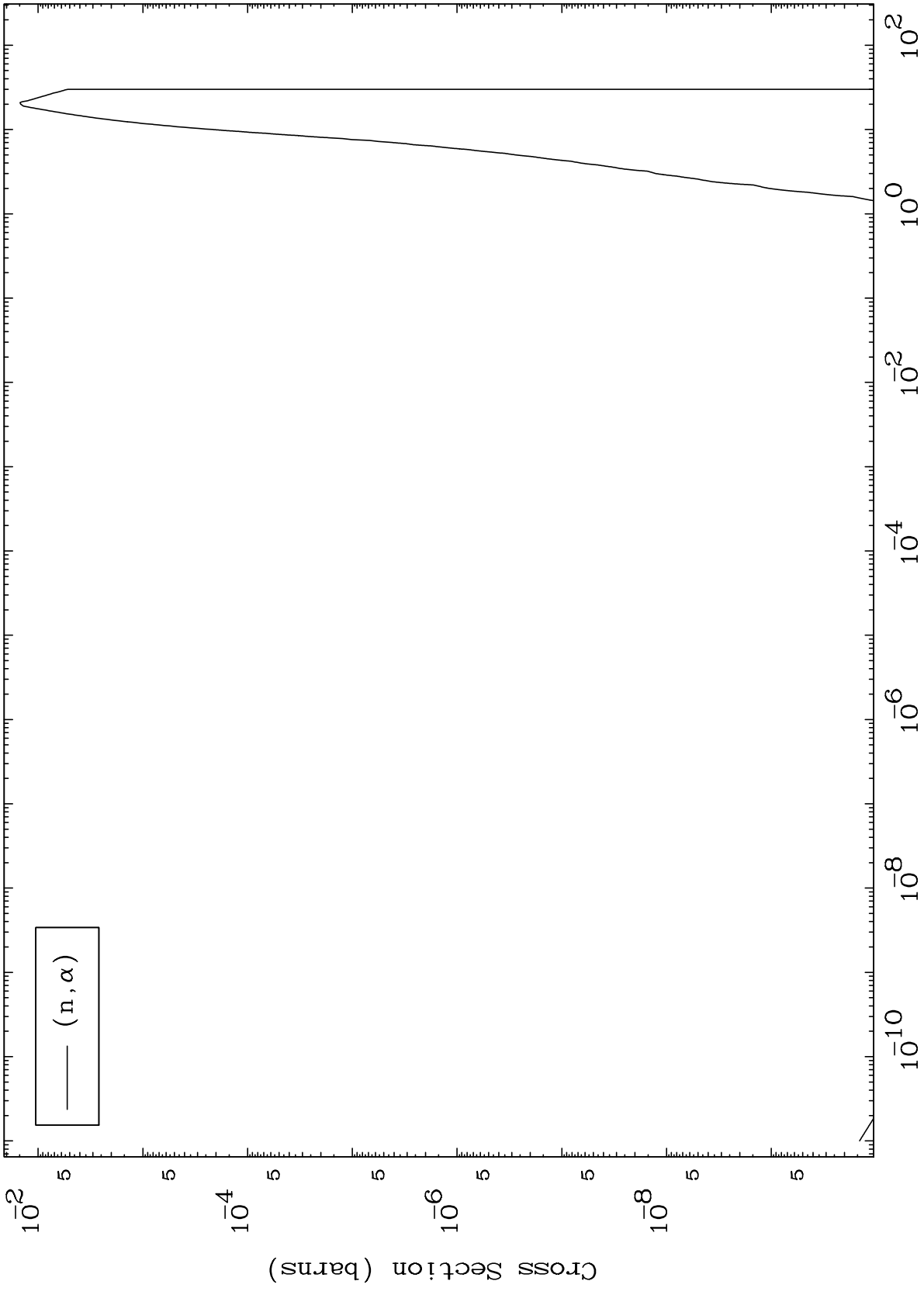
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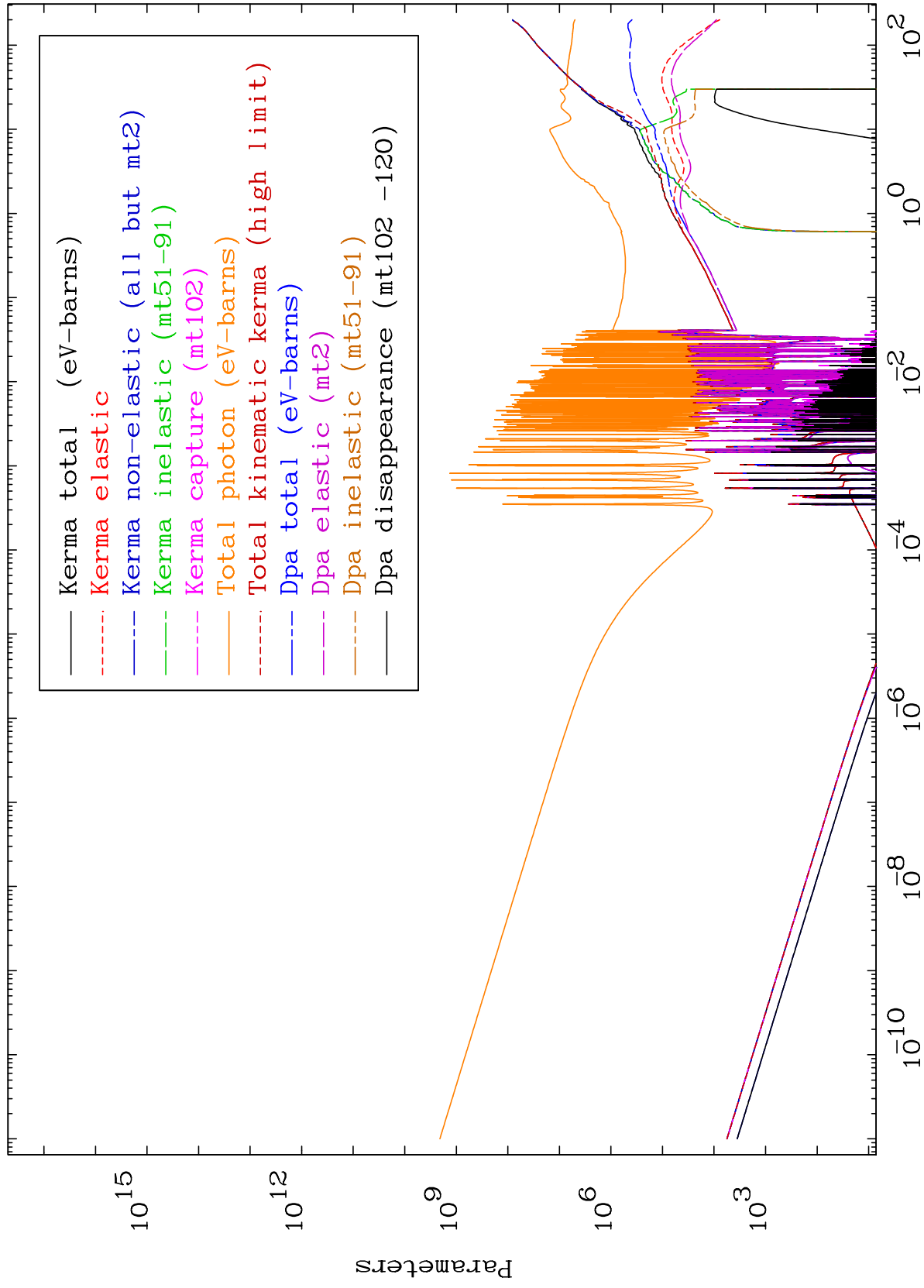
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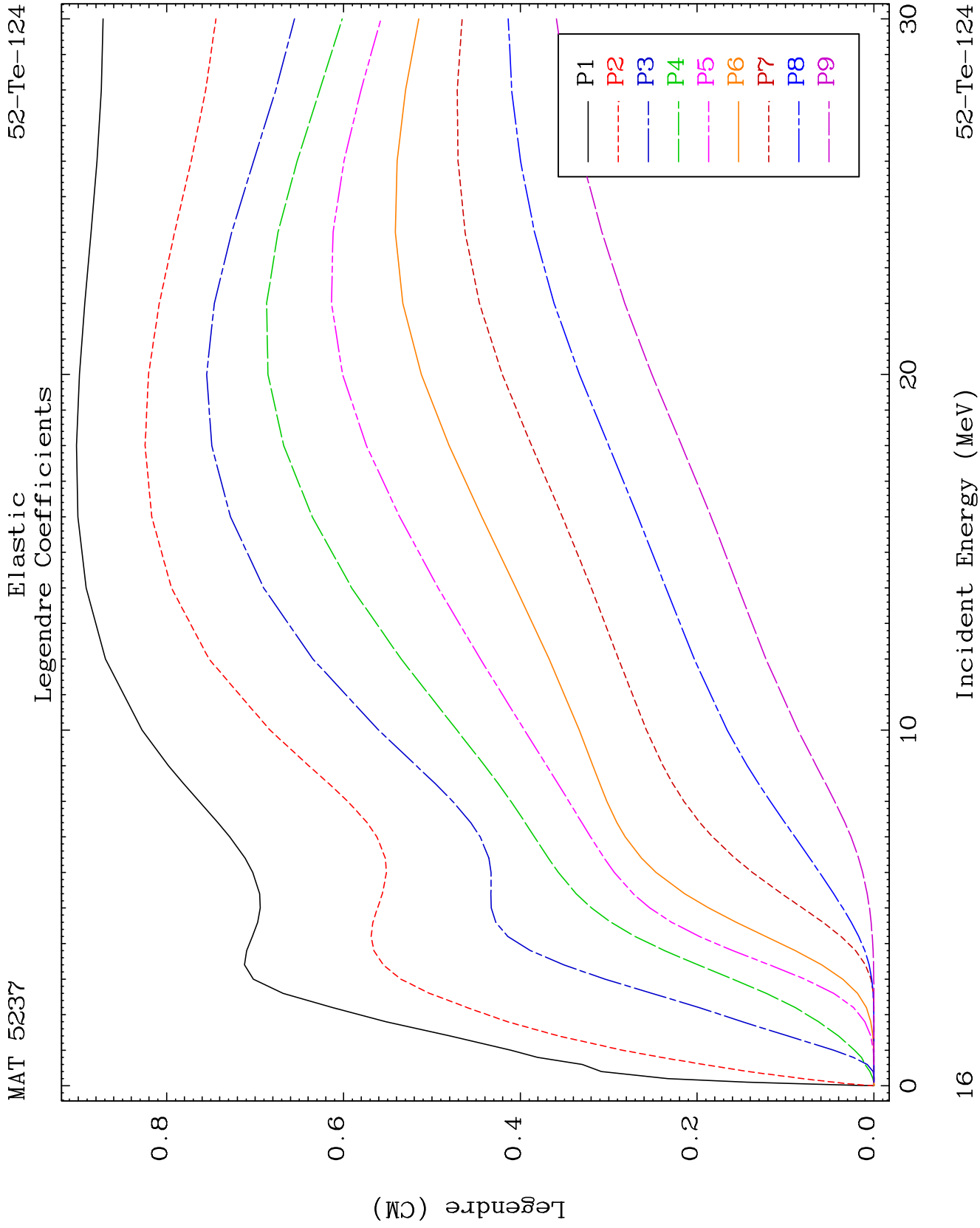
MAT 5237

(n,α) Levels
293 Kelvin Cross Sections

52-Te-124



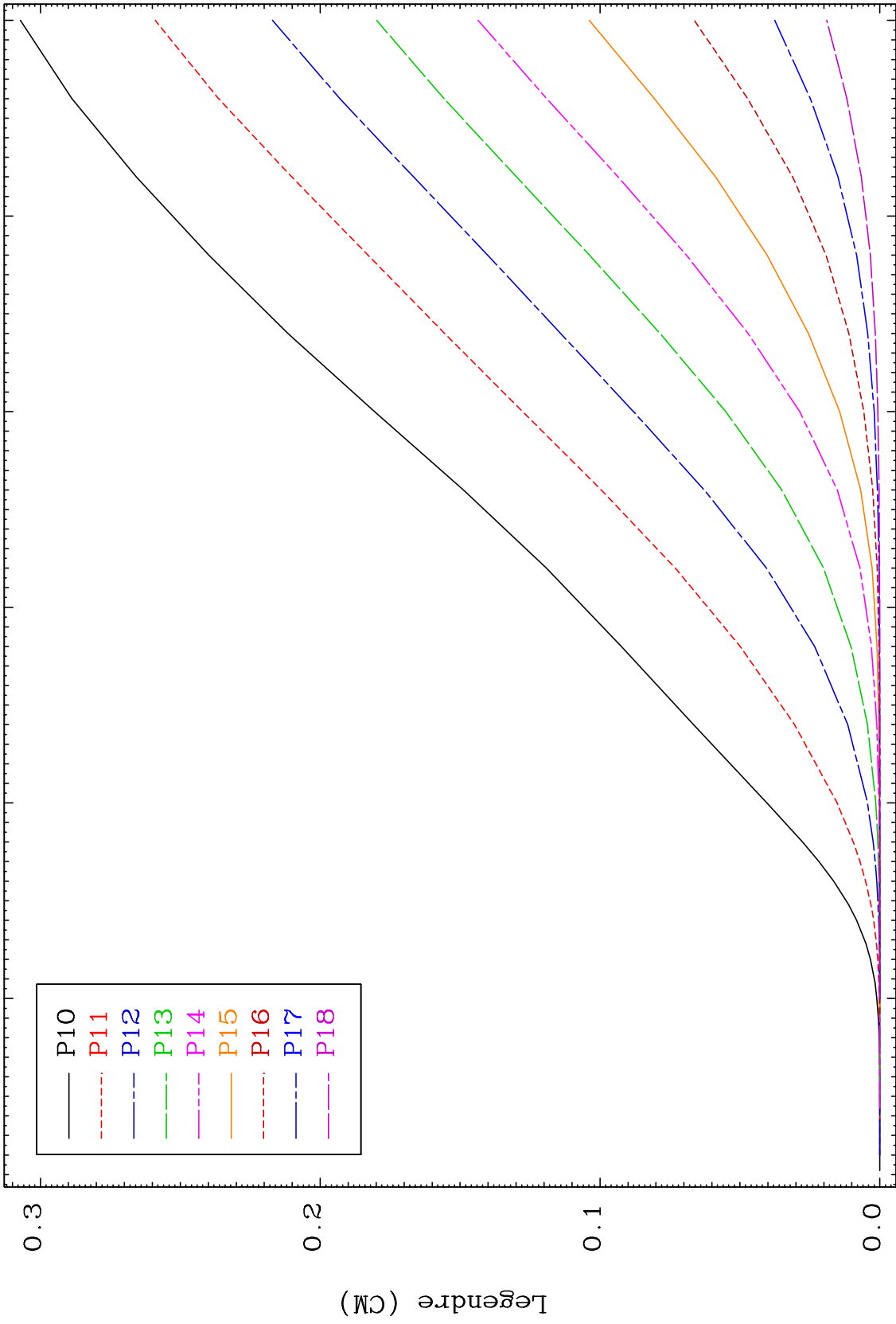




MAT 5237

Elastic Legendre Coefficients

52-Te-124



17

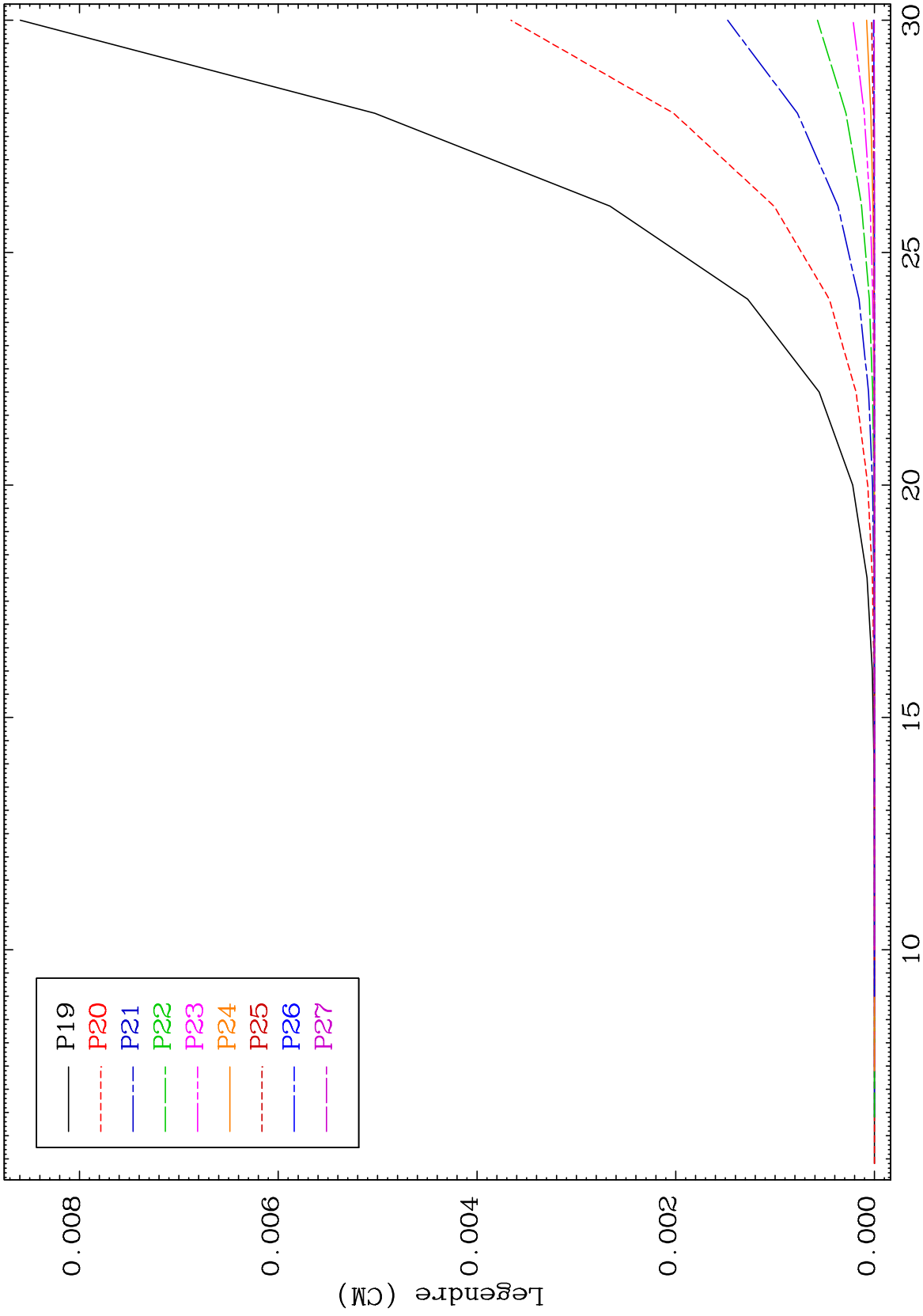
Incident Energy (MeV)

52-Te-124

MAT 5237

Elastic Legendre Coefficients

52-Te-124



18

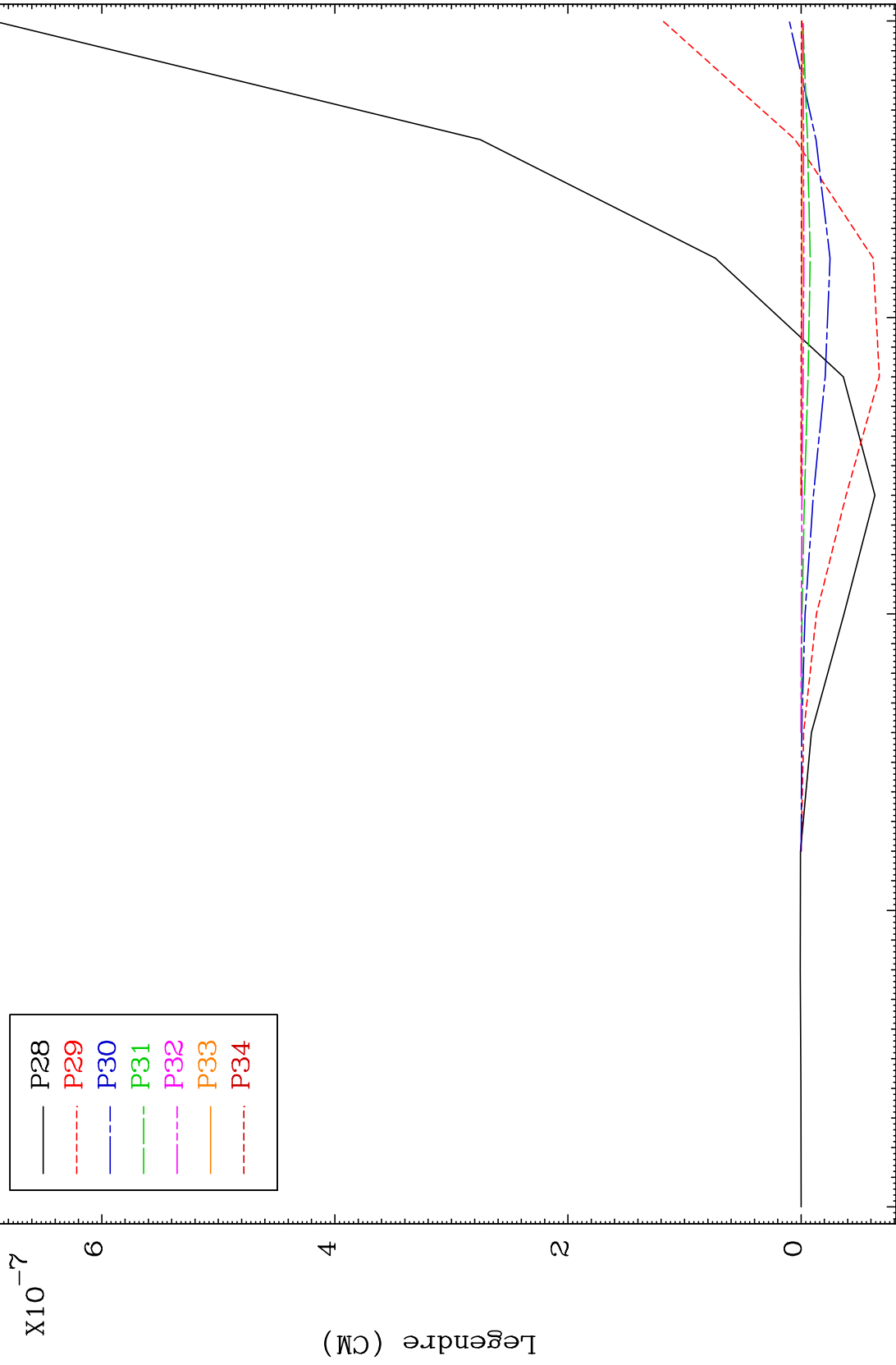
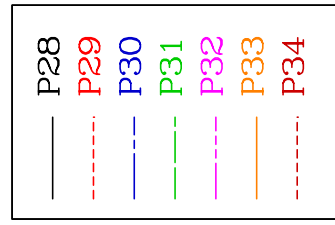
Incident Energy (MeV)

52-Te-124

MAT 5237

Elastic Legendre Coefficients

52-Te-124



19

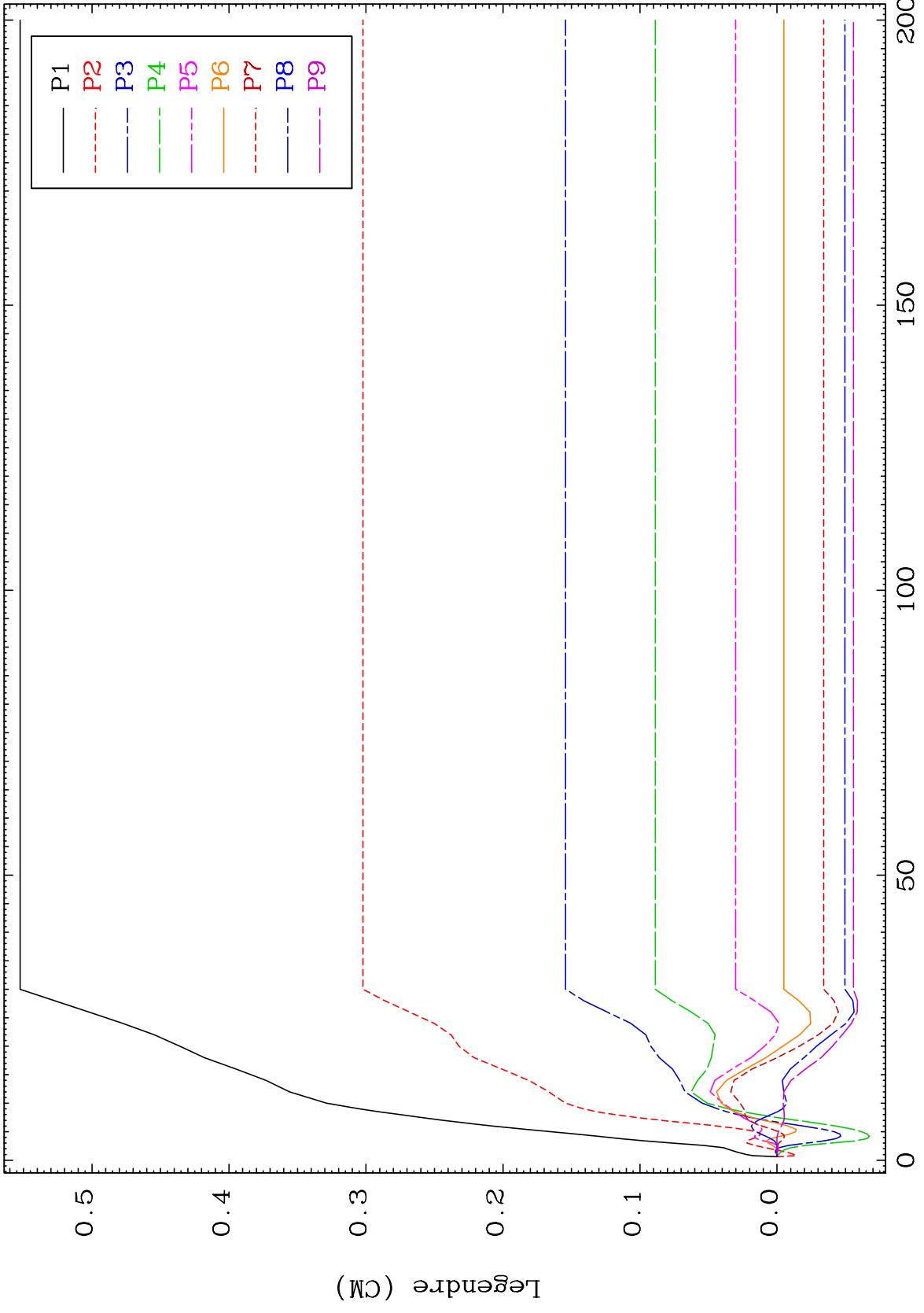
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



52-Te-124

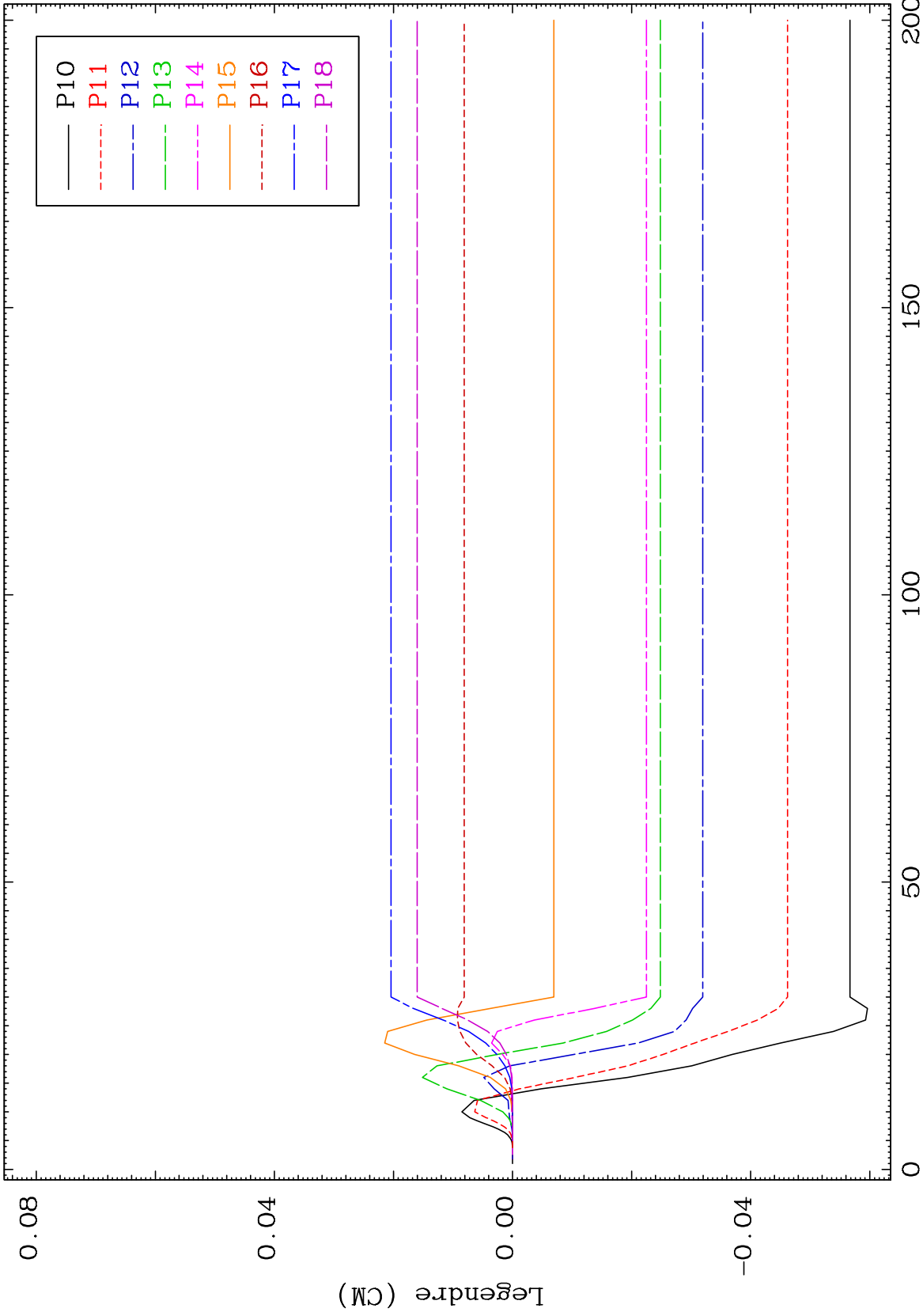
Incident Energy (MeV)

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MAT 5237

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

52-Te-124



21

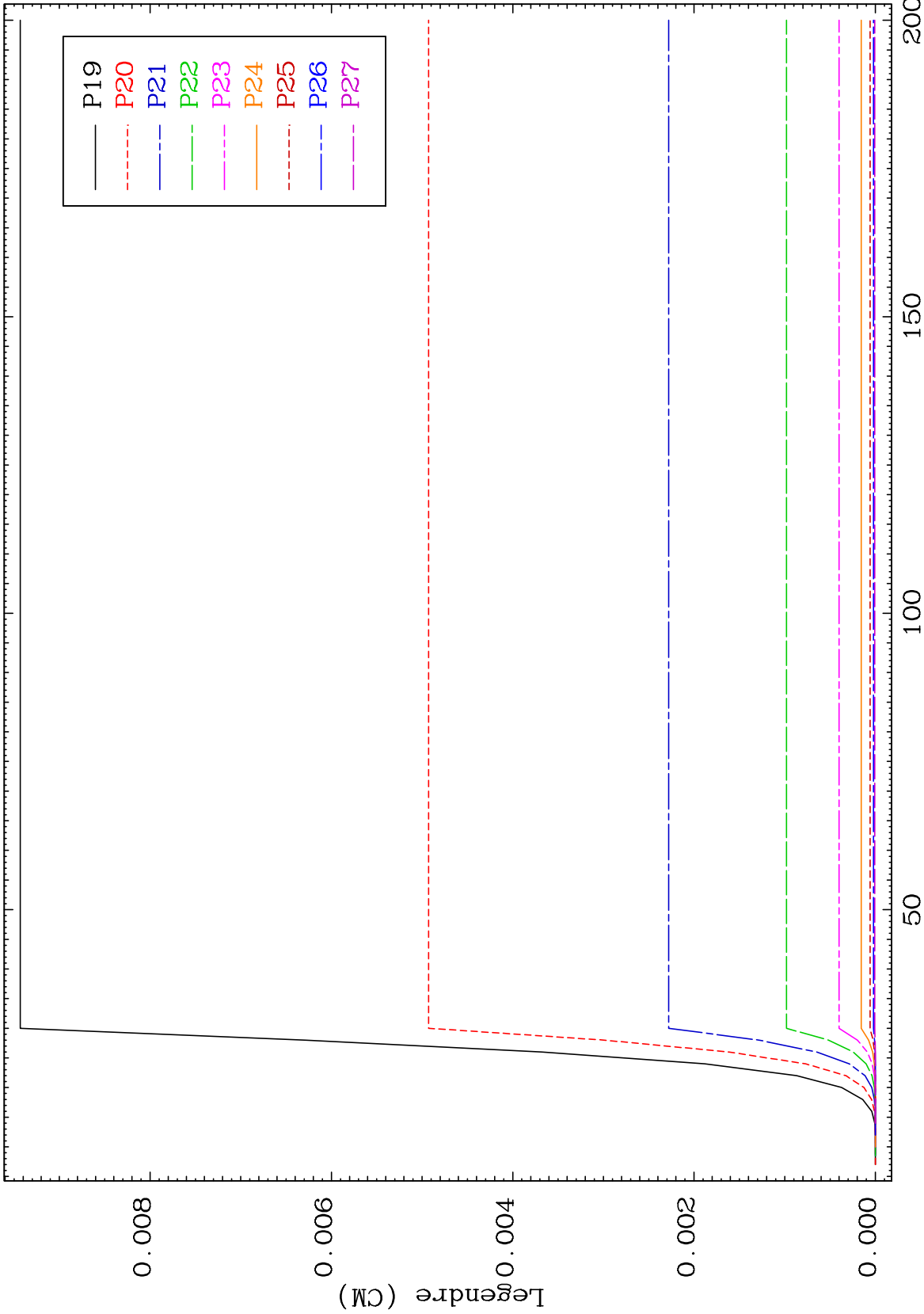
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



22

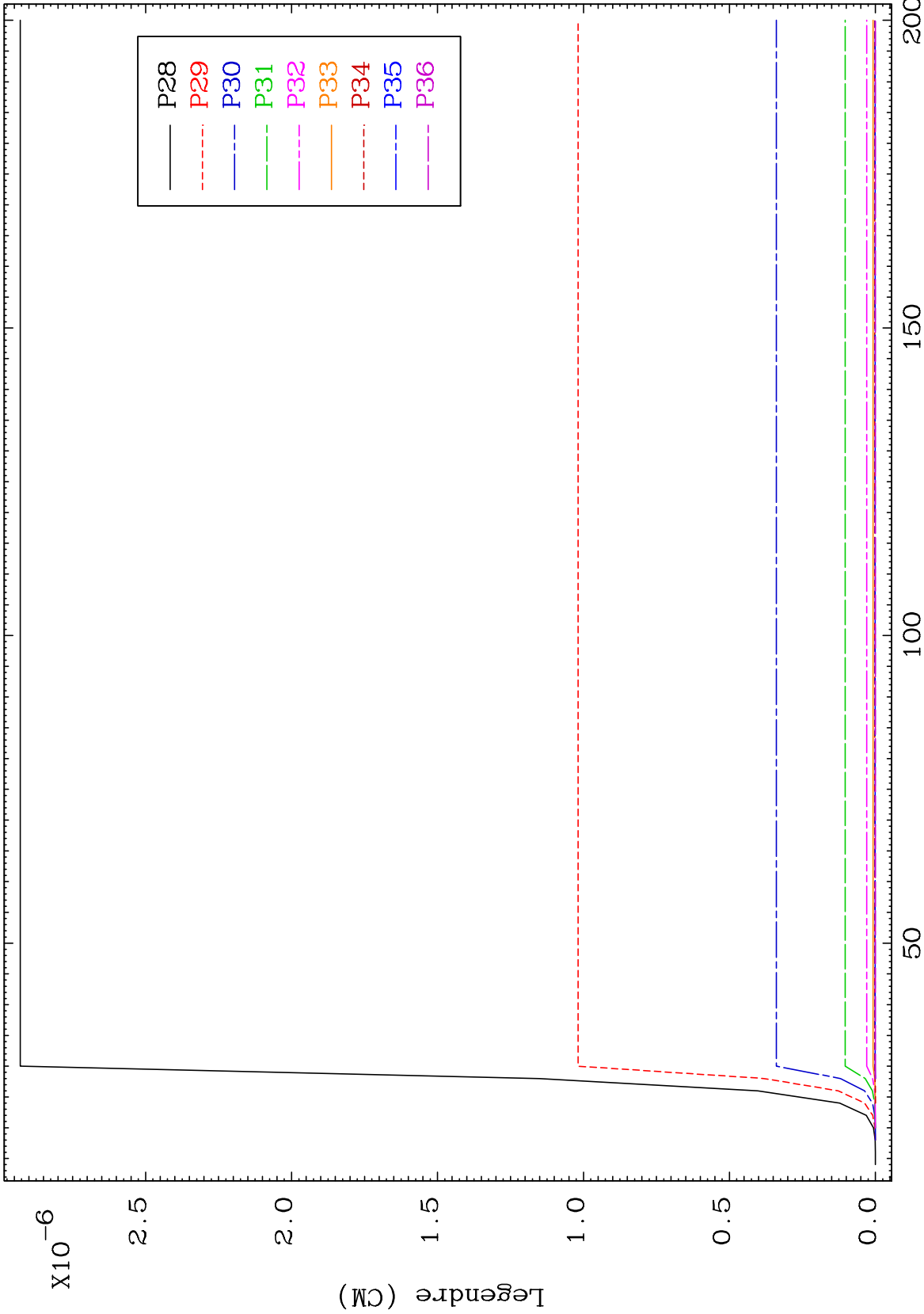
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



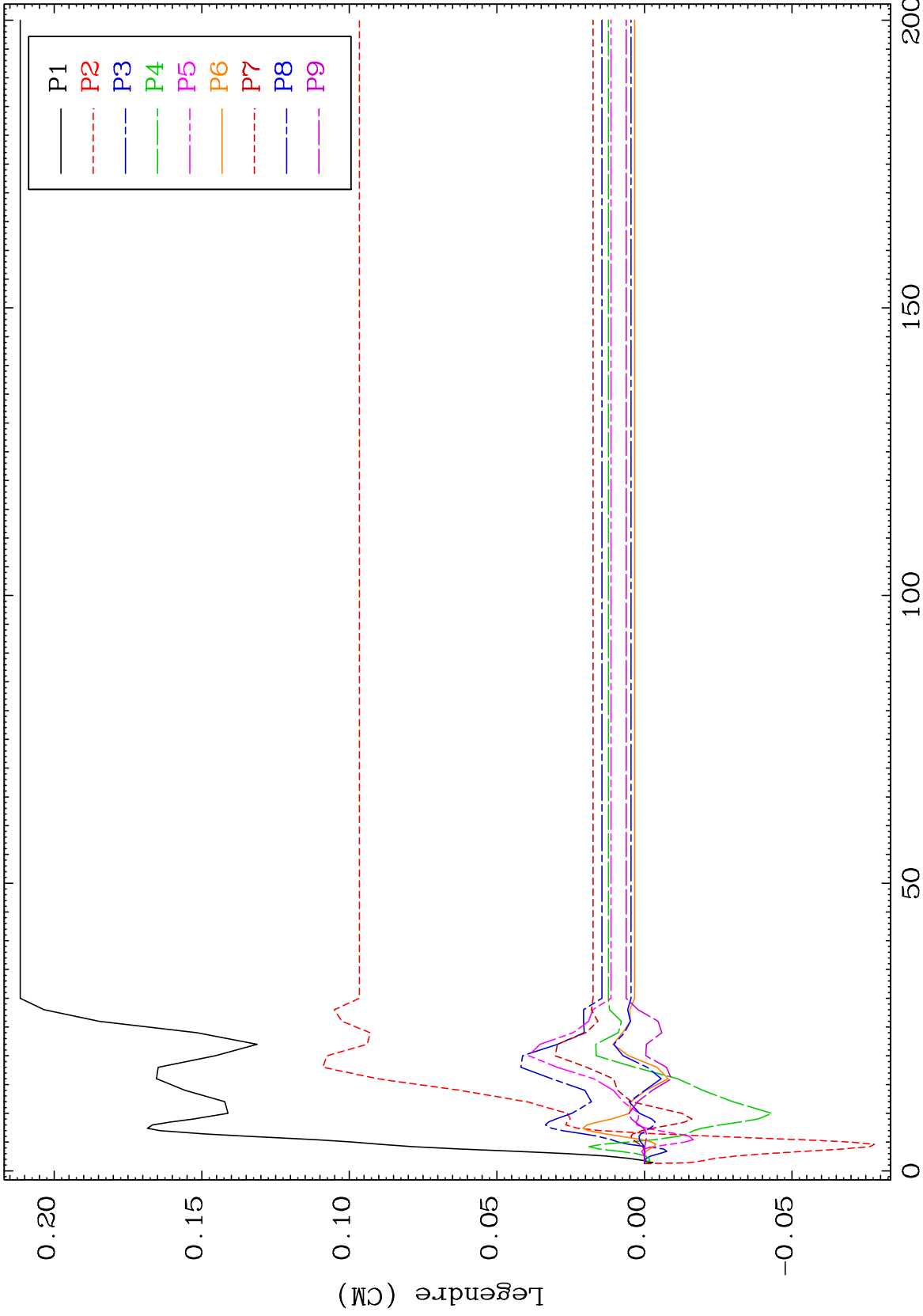
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52-Te-124

MAT 5237

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

52-Te-124



24

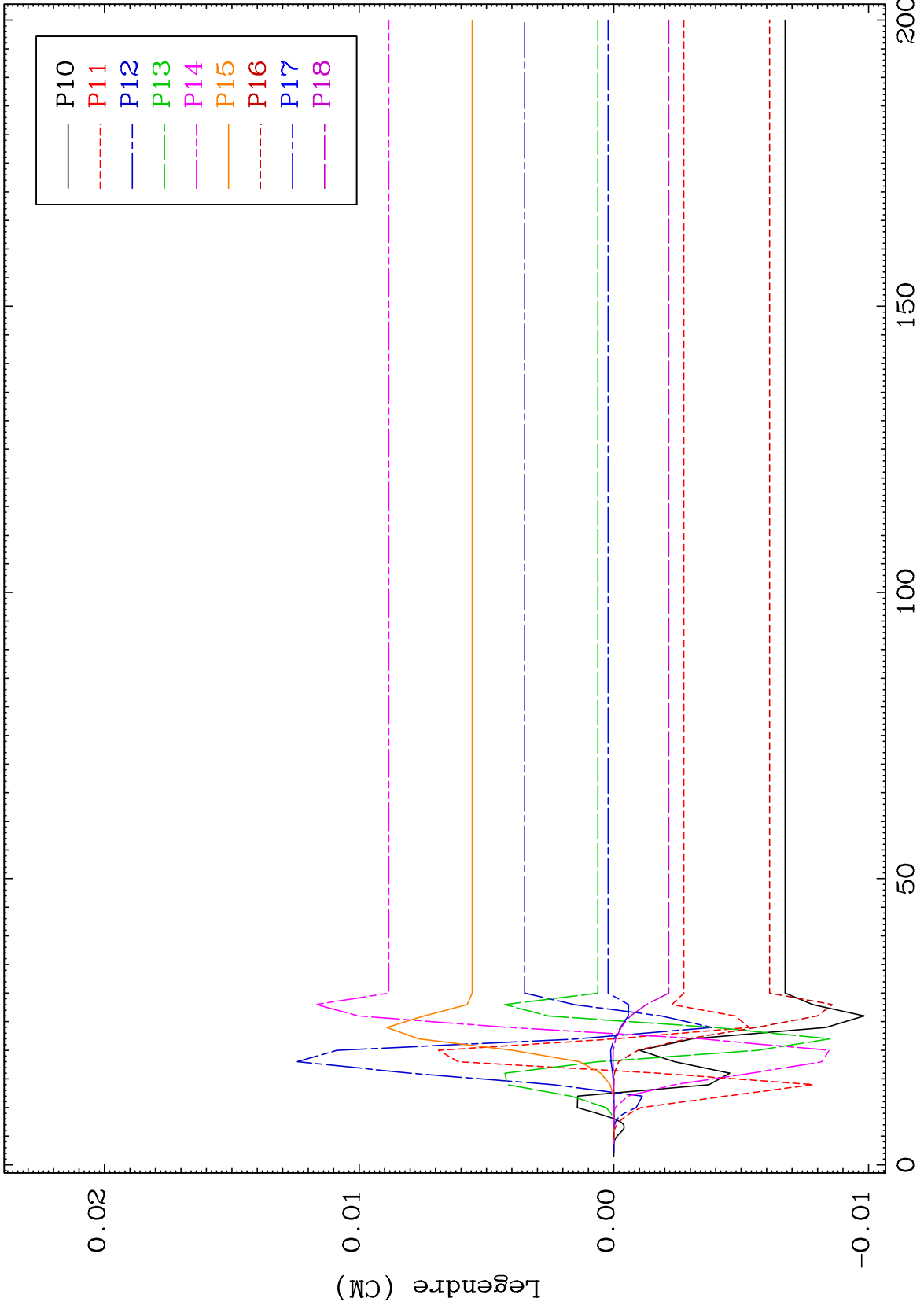
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



25

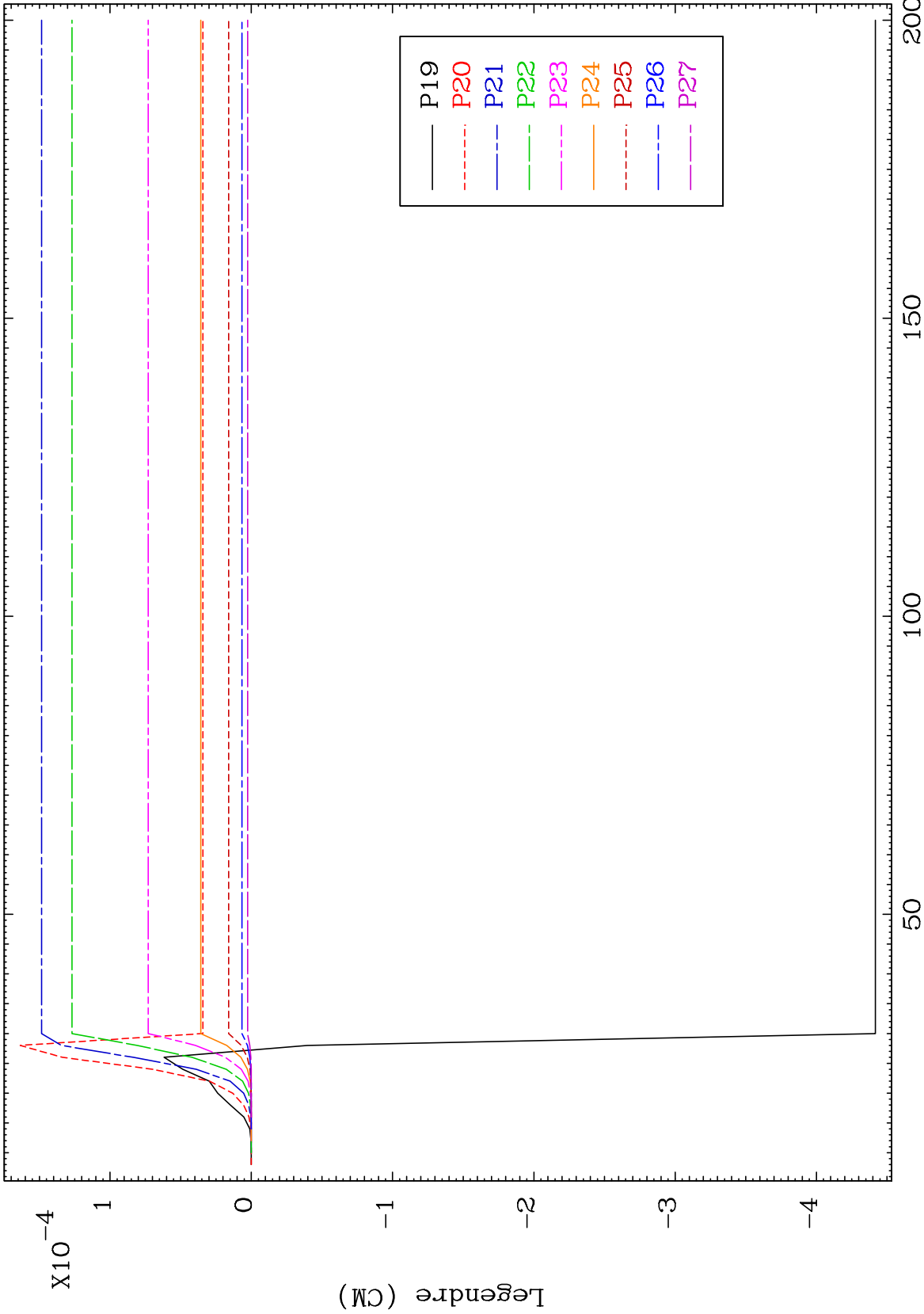
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



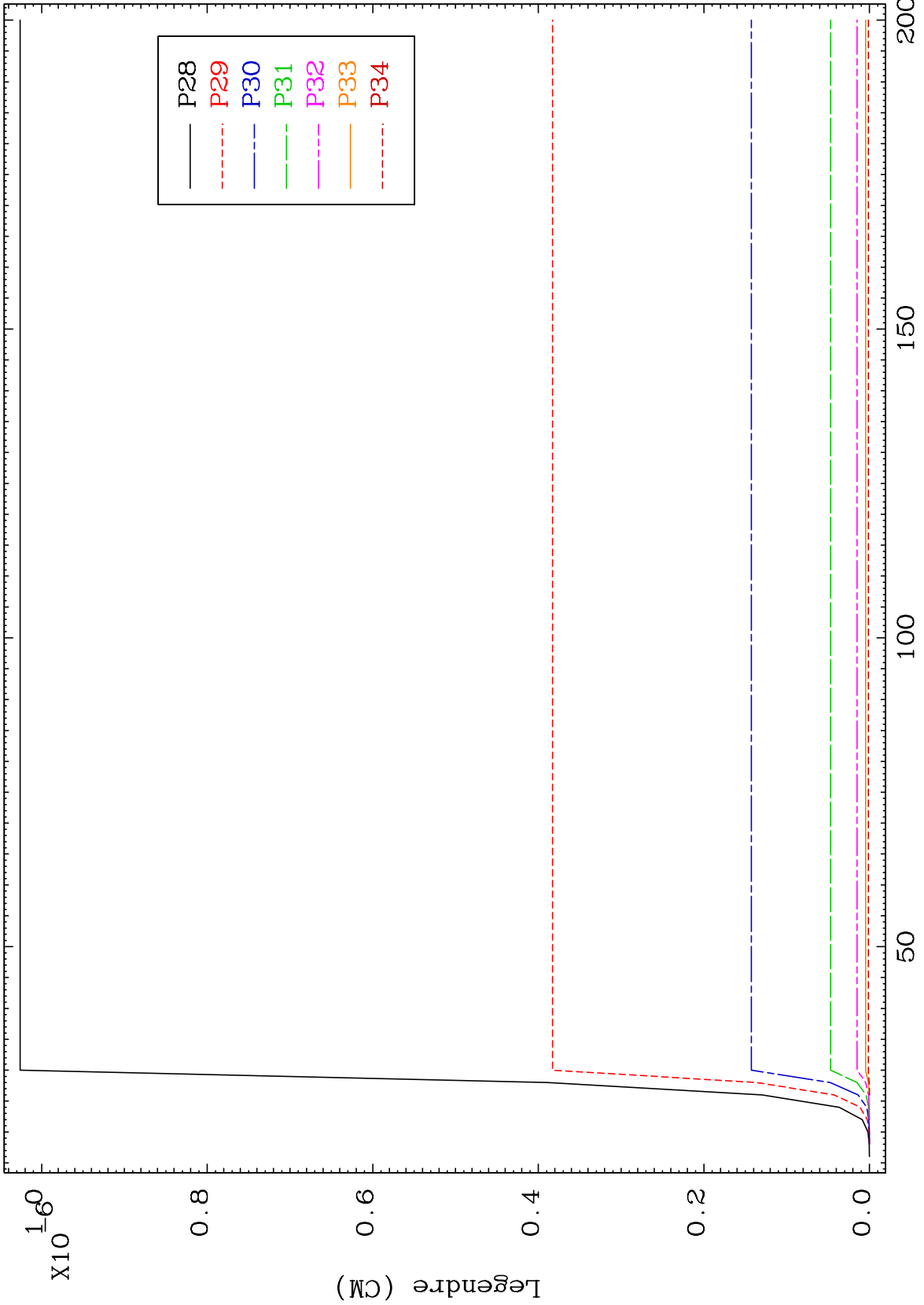
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52-Te-124

MAT 5237

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

52-Te-124



27

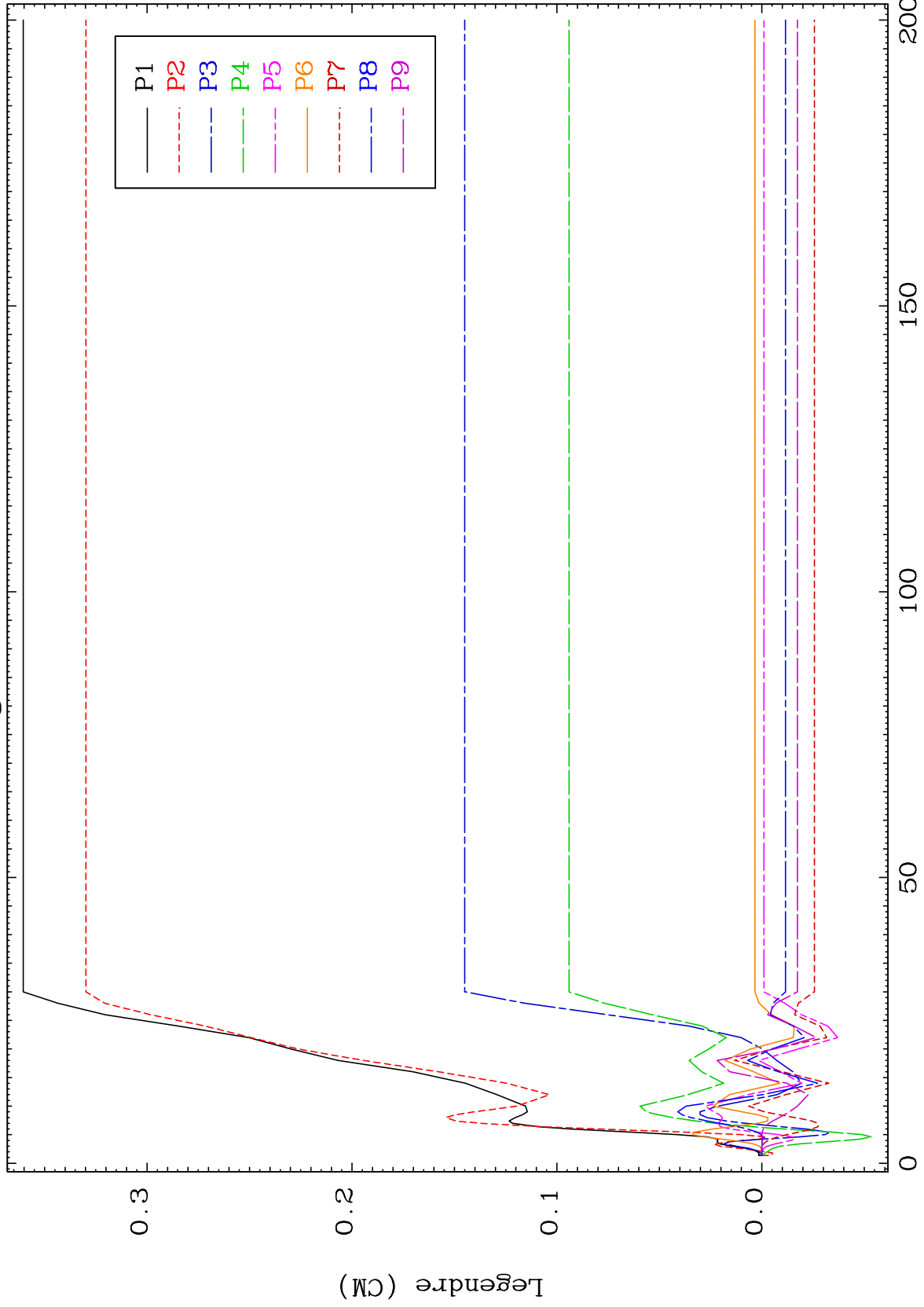
Incident Energy (MeV)

52-Te-124

MAT 5237

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

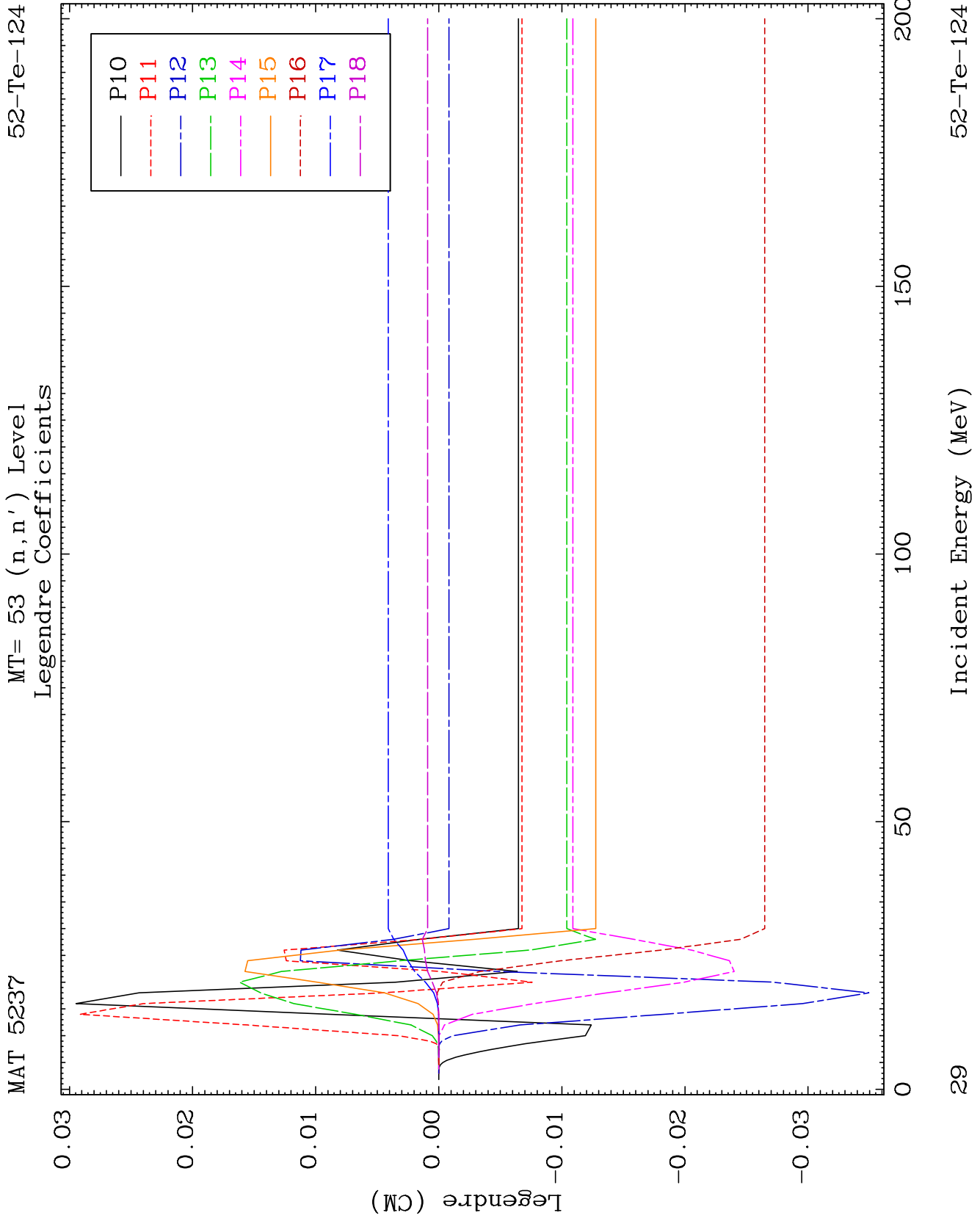
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28

Incident Energy (MeV)

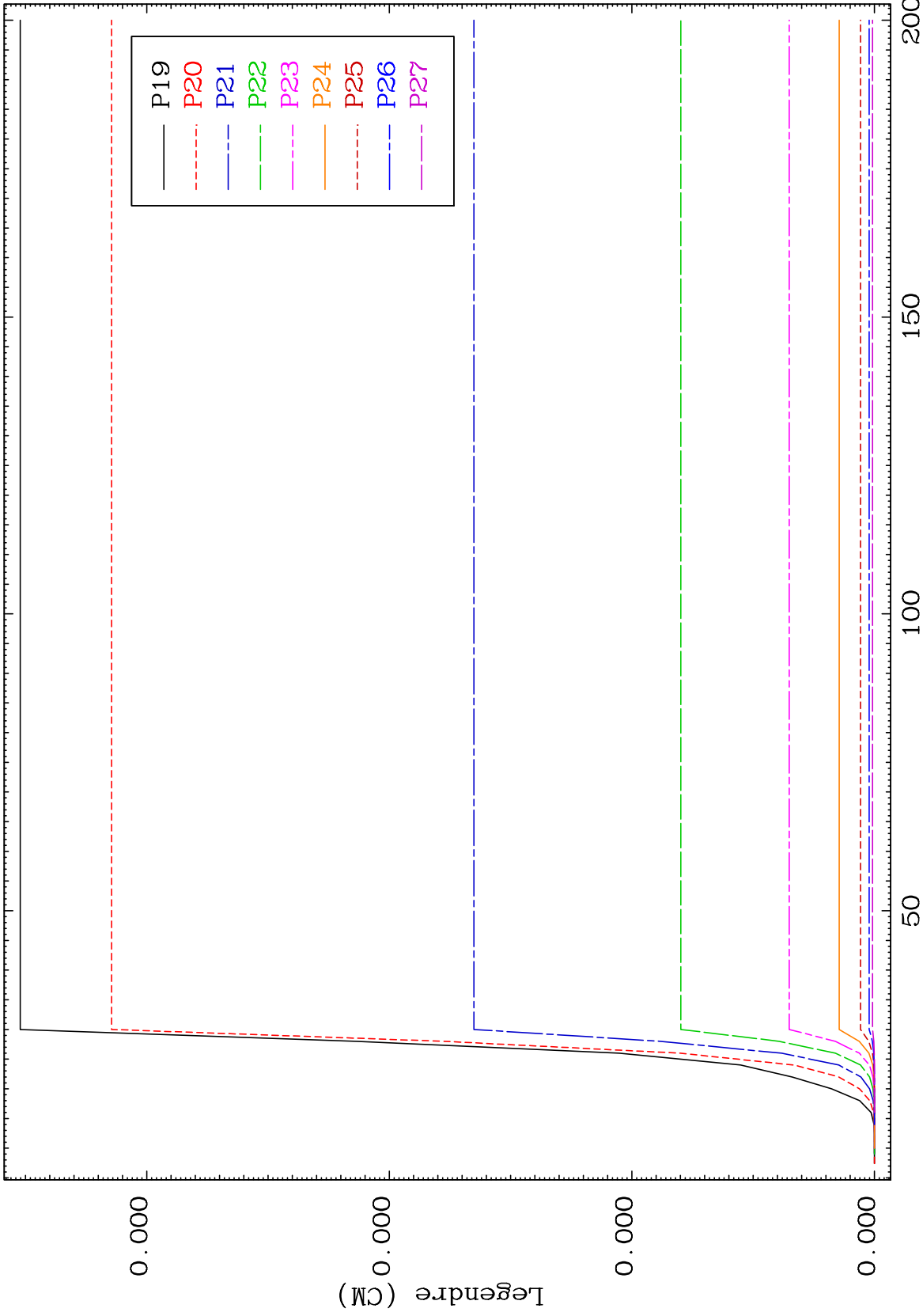
52-Te-124



MAT 5237

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

52-Te-124



30

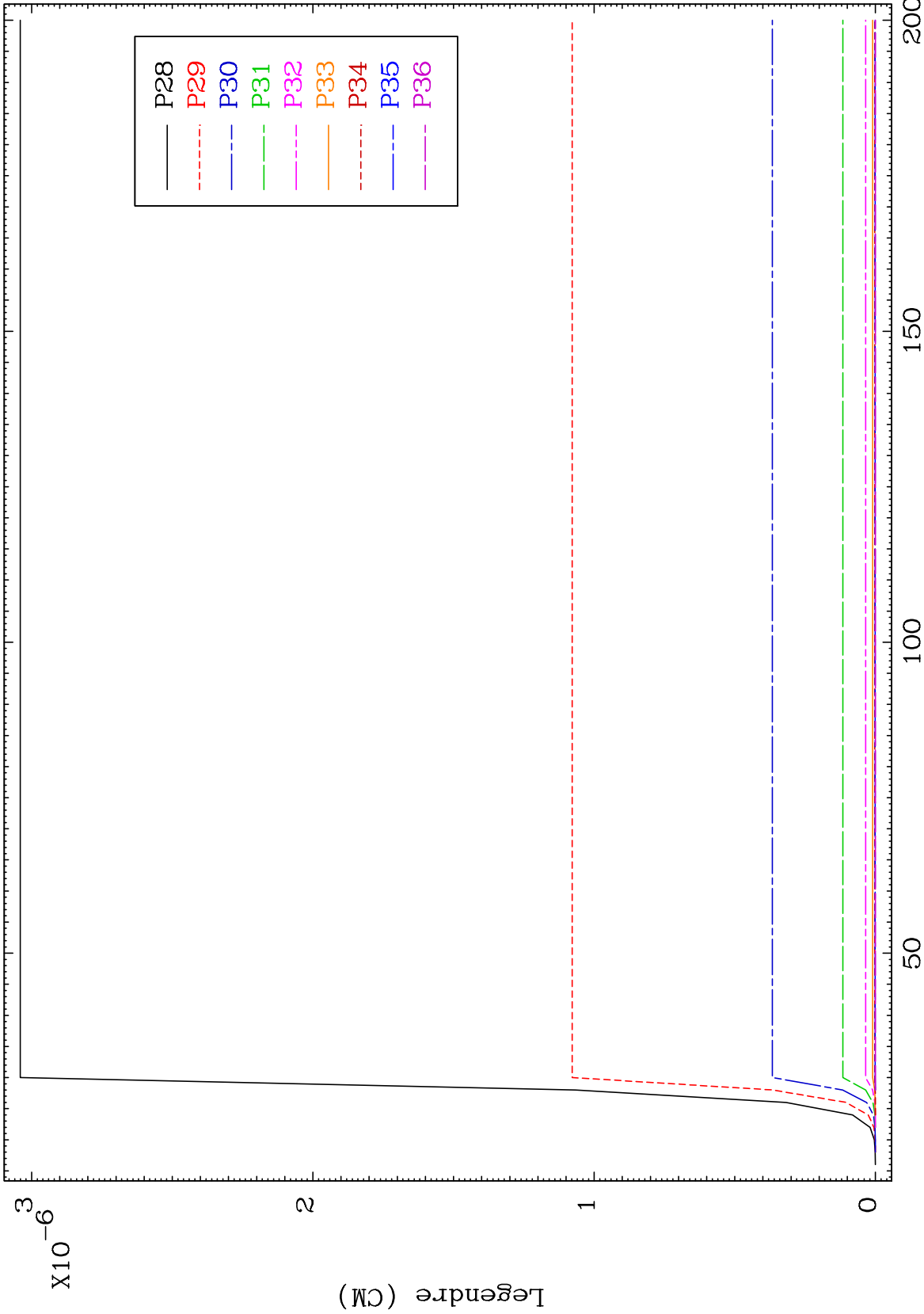
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



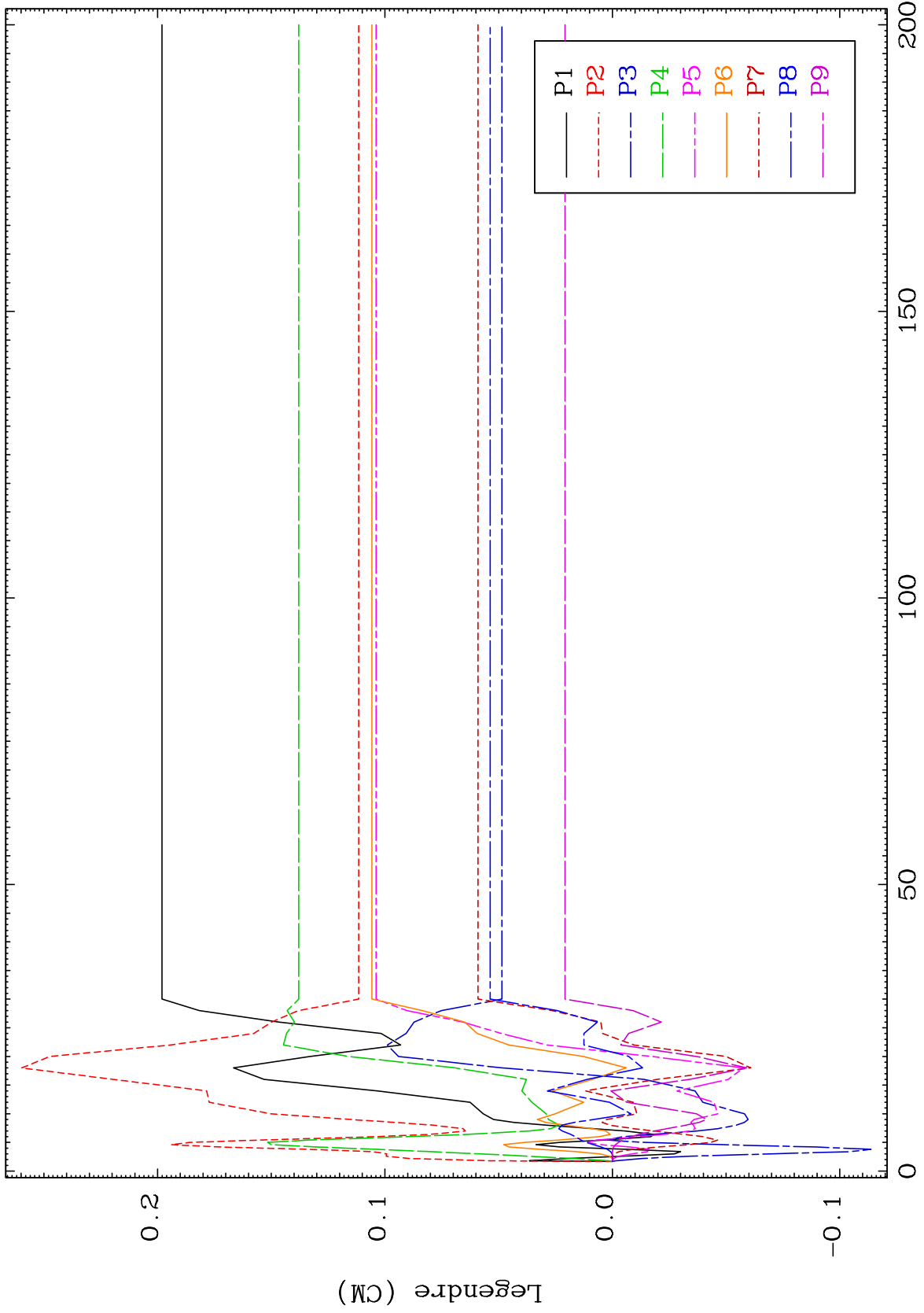
31

52-Te-124

MAT 5237

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

52-Te-124



32

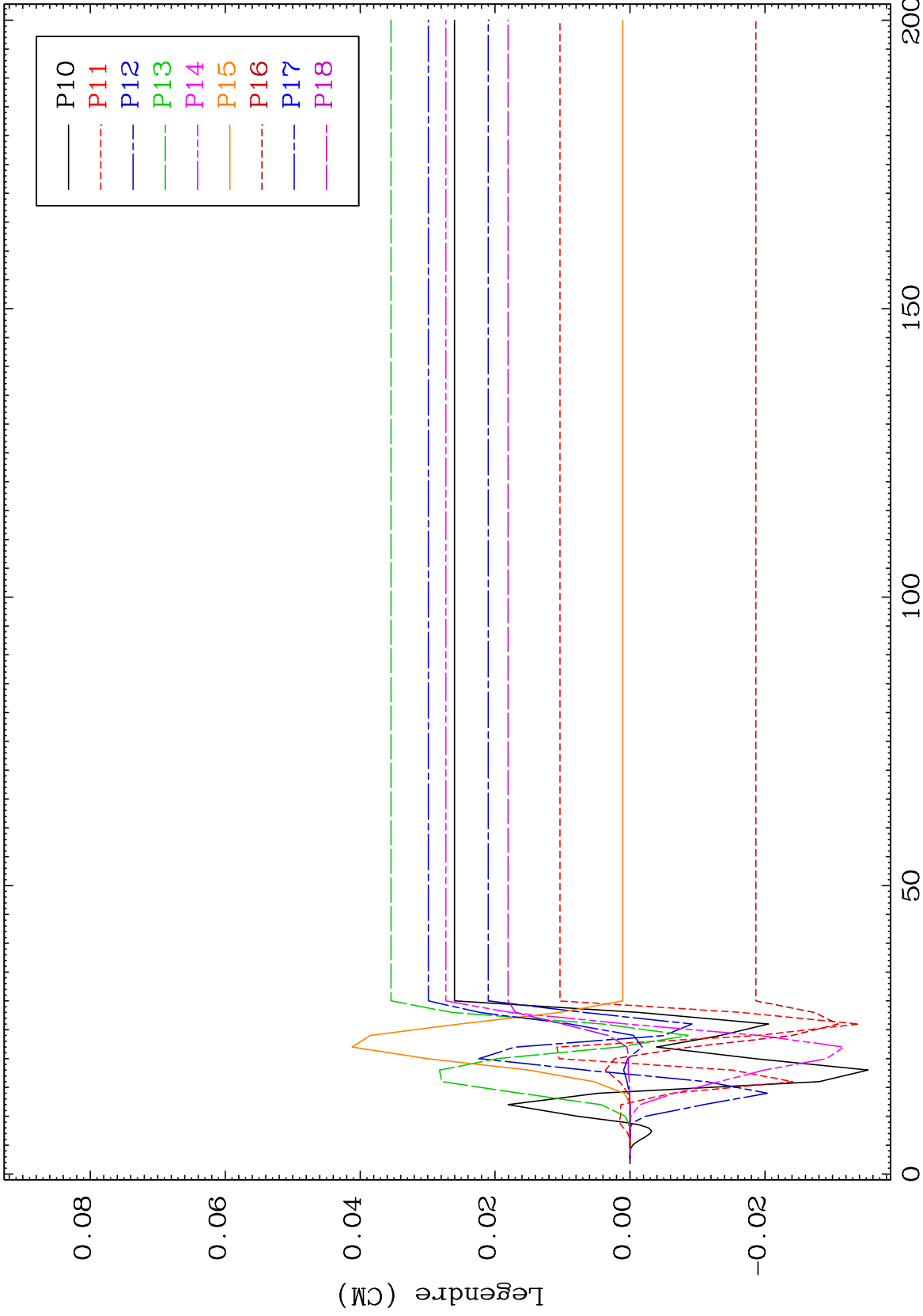
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



33

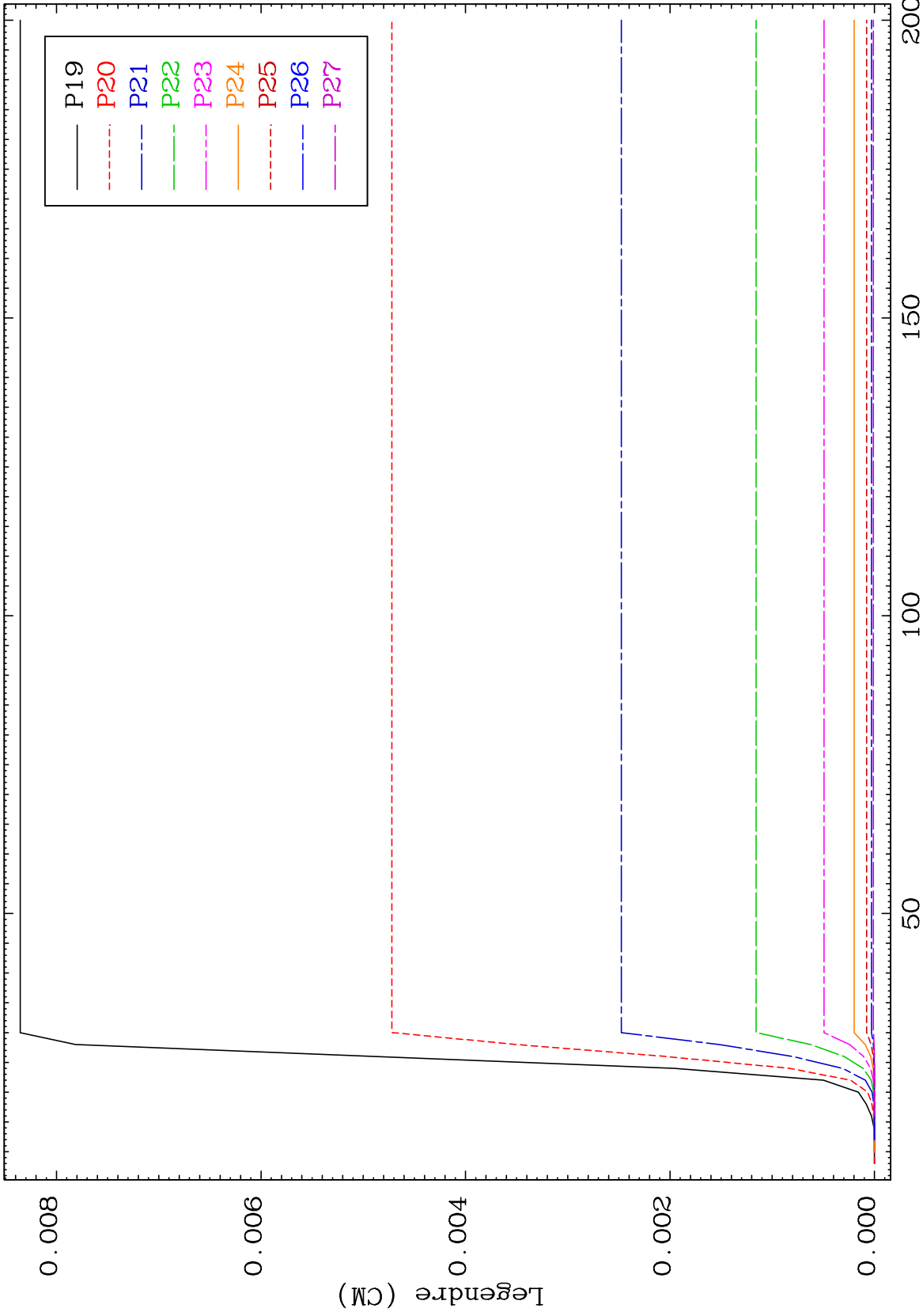
Incident Energy (MeV)

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MAT 5237

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

52-Te-124



34

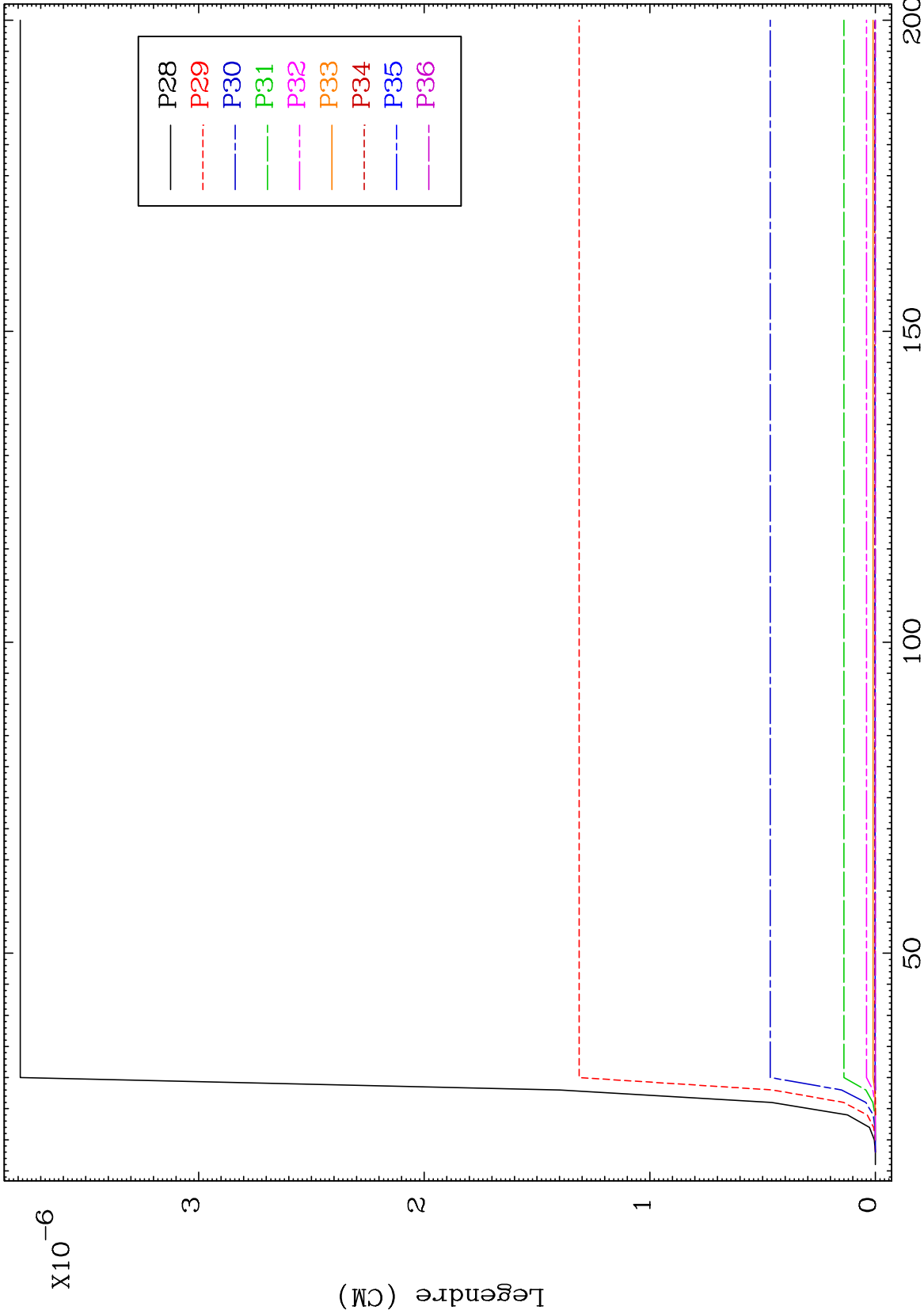
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



35

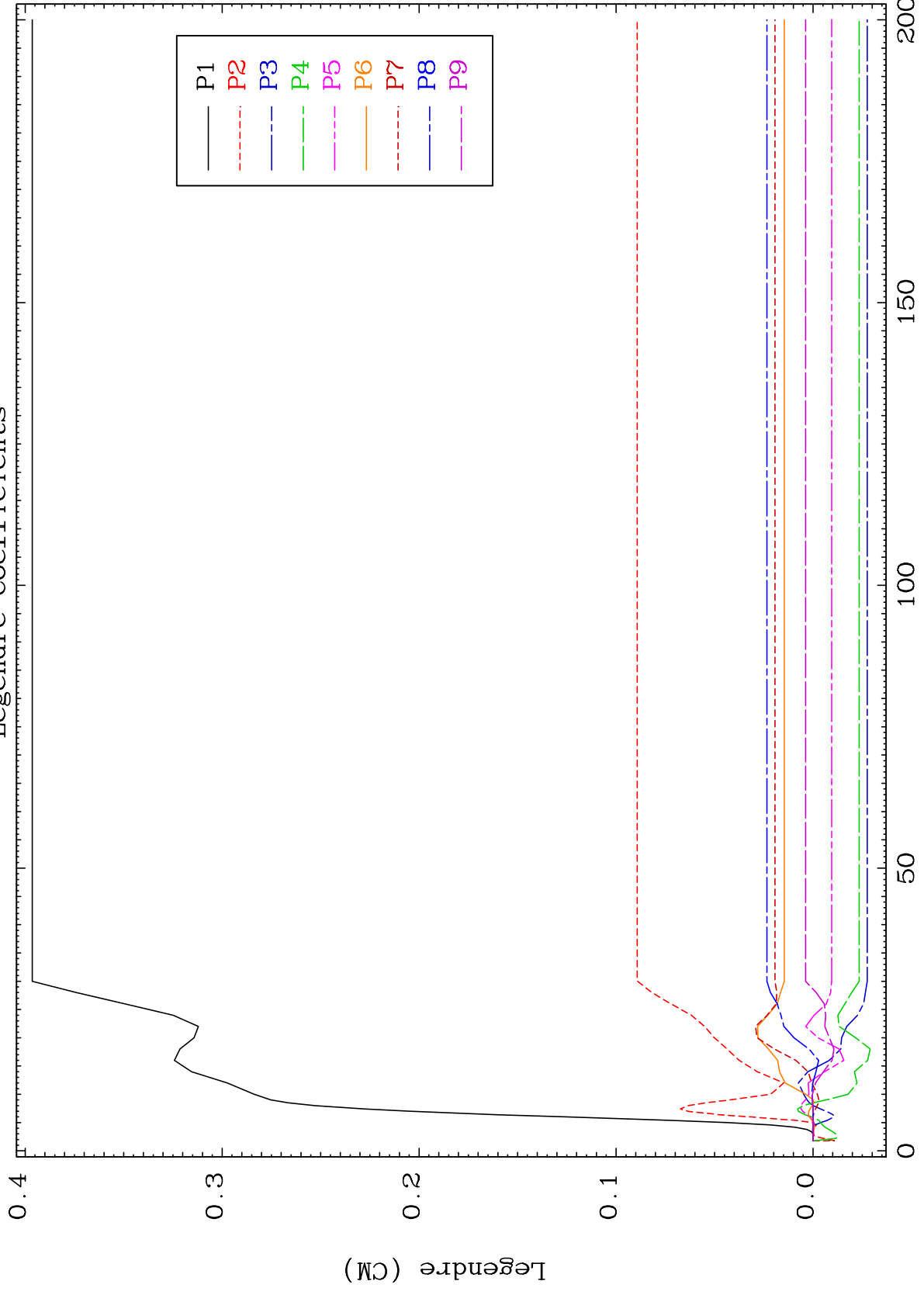
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124

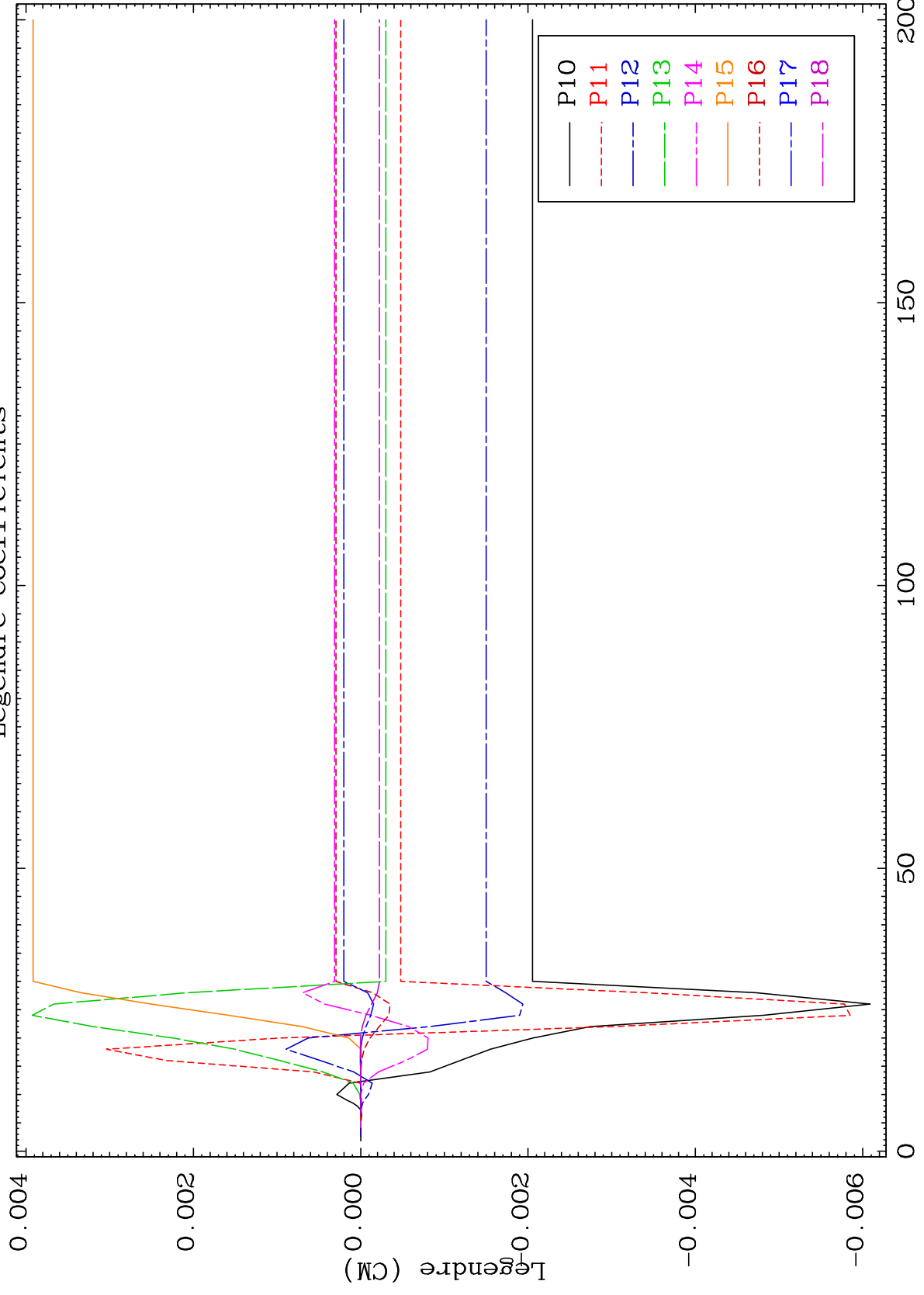


36

Incident Energy (MeV)

52-Te-124

MAT 5237 MT= 55 (n,n') Level Legendre Coefficients 52-Te-124

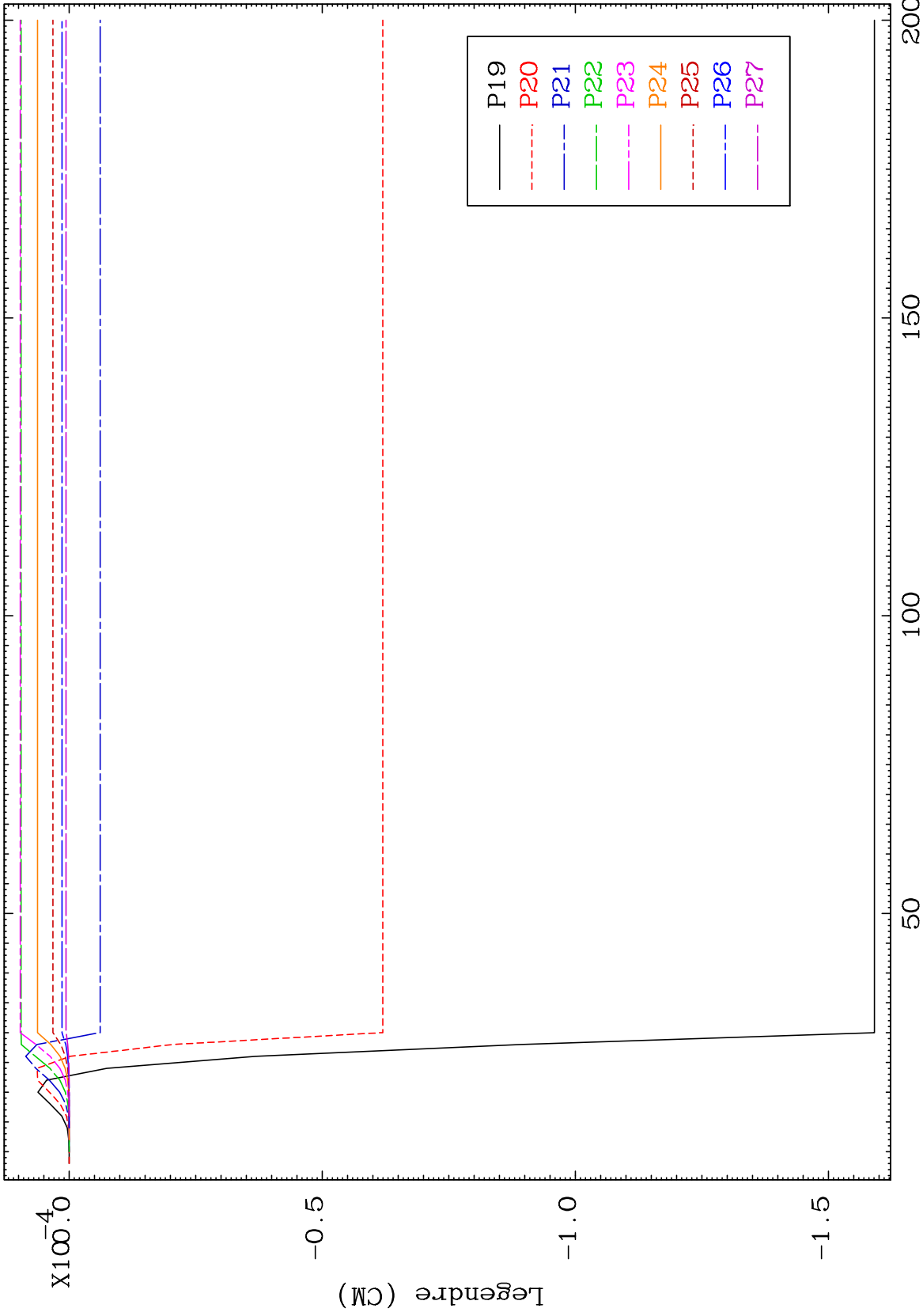


37 52-Te-124

MAT 5237

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

52-Te-124



52-Te-124

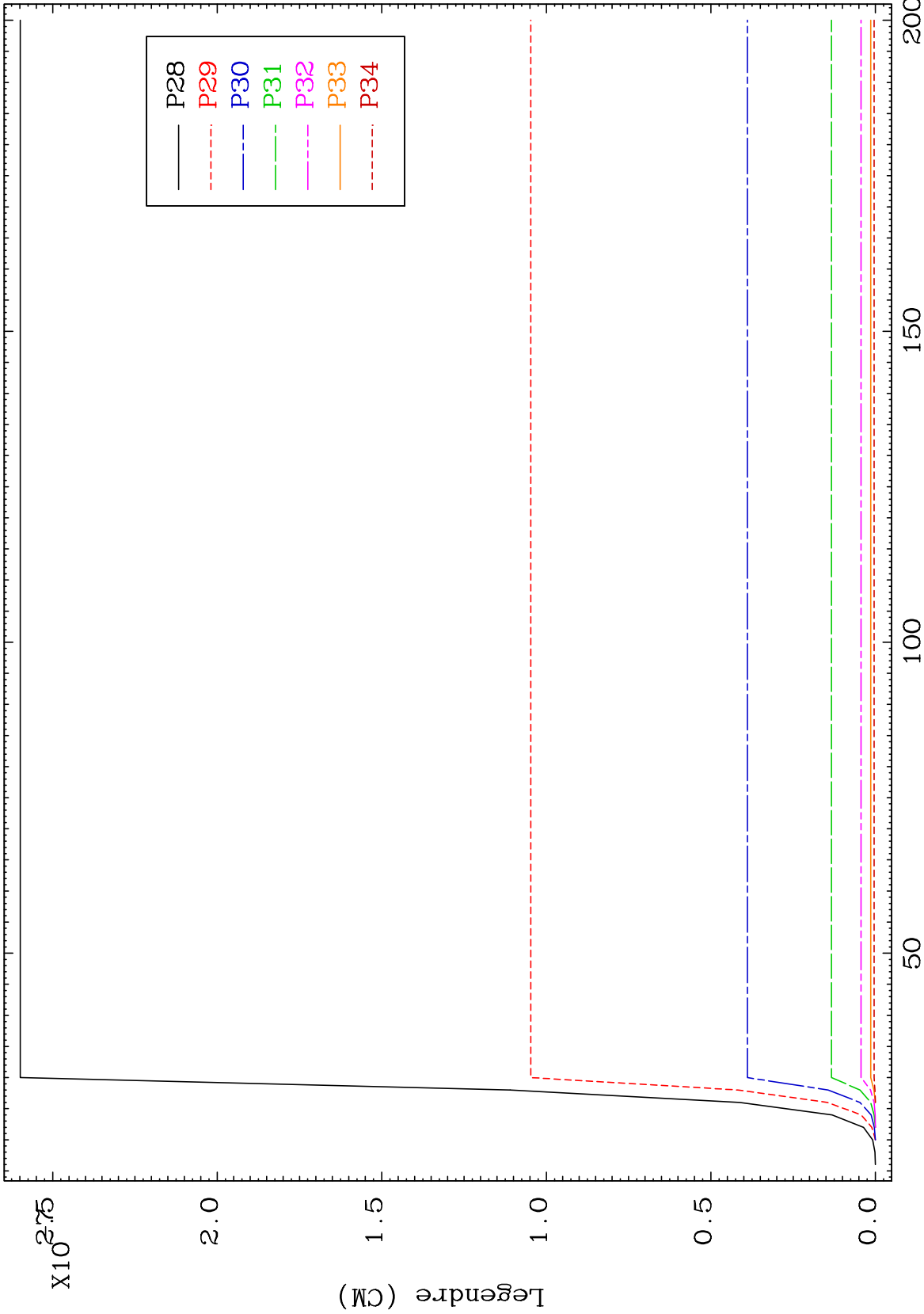
Incident Energy (MeV)

38

MAT 5237

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

52-Te-124



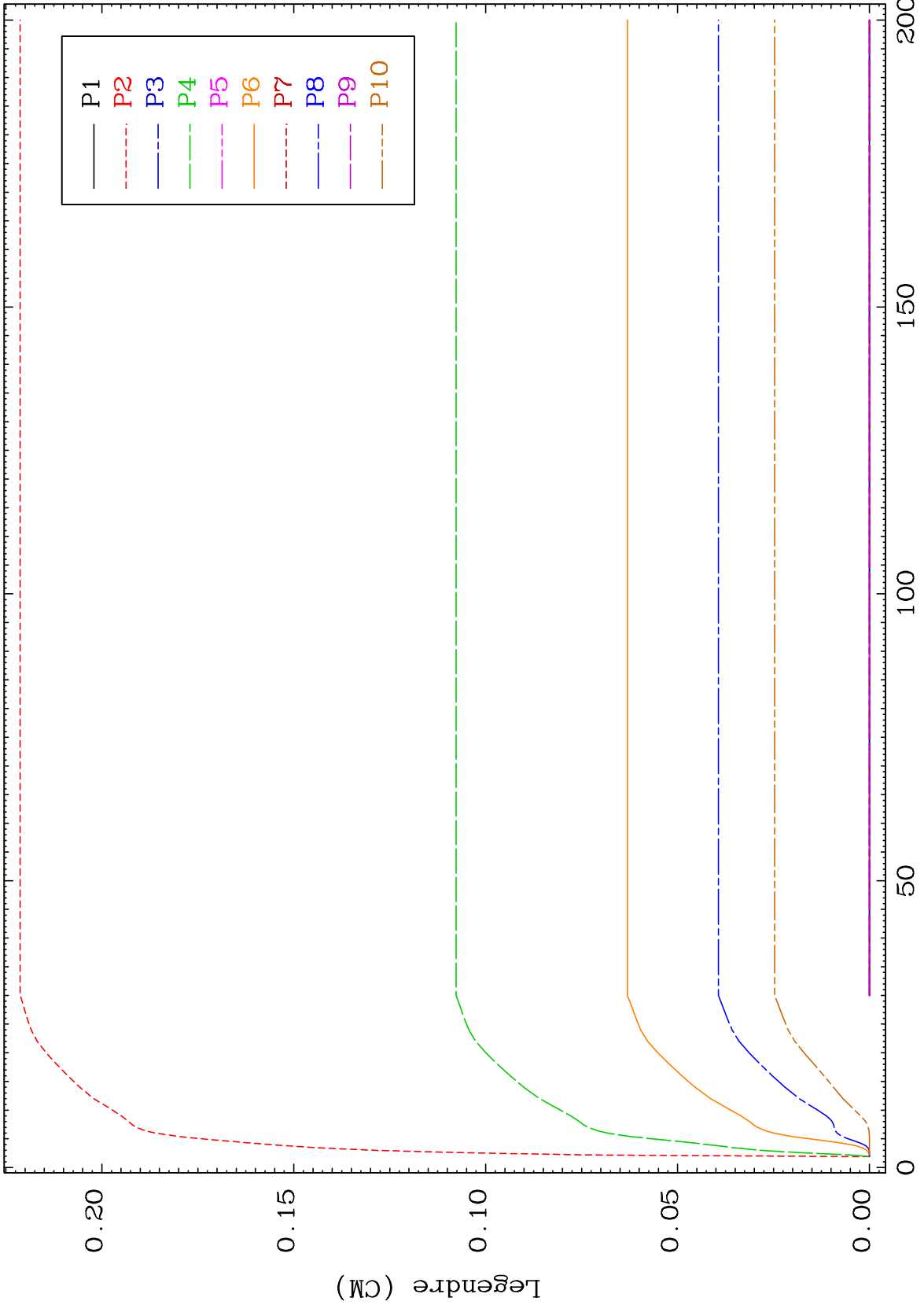
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52-Te-124

MAT 5237

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

52-Te-124

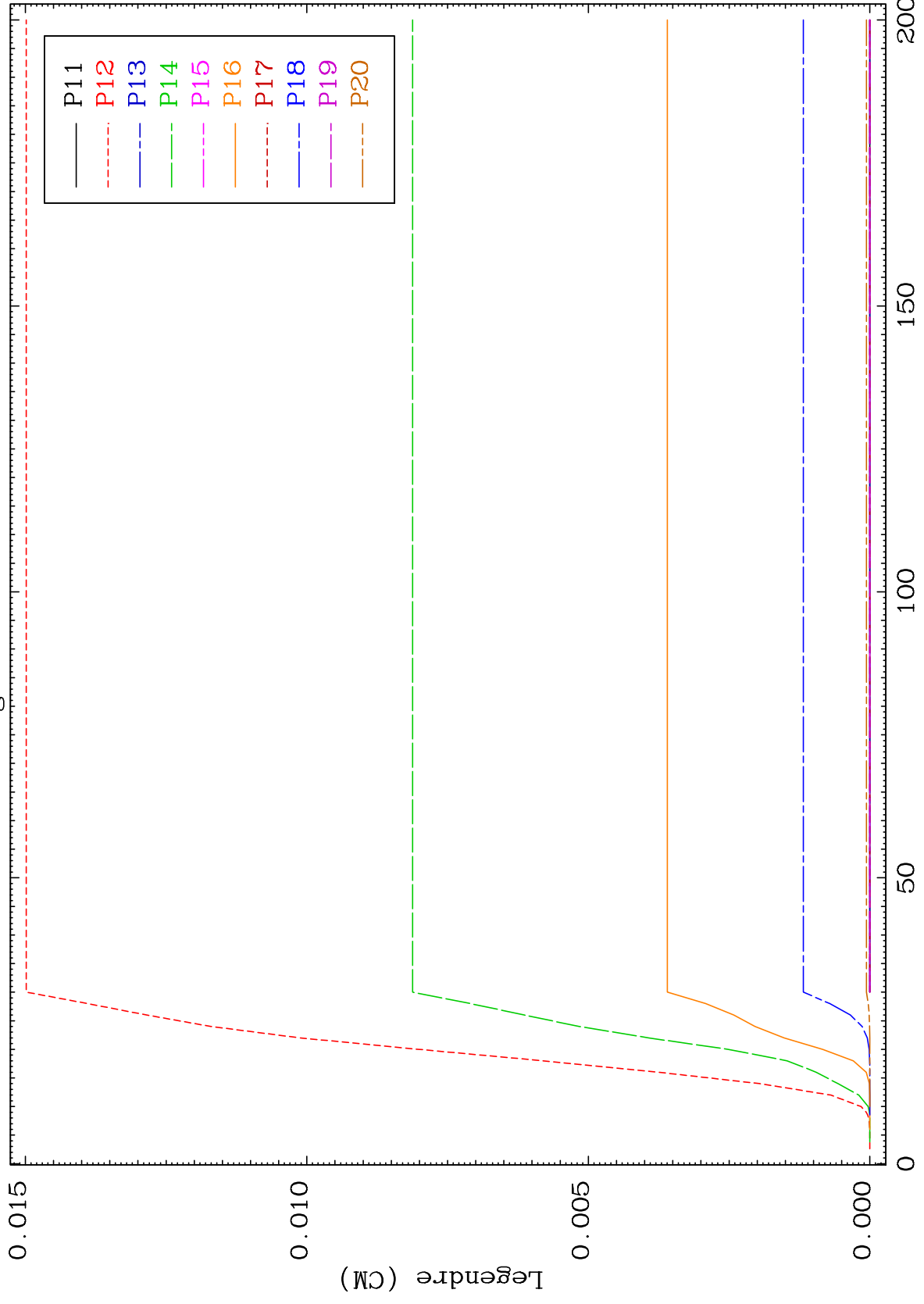


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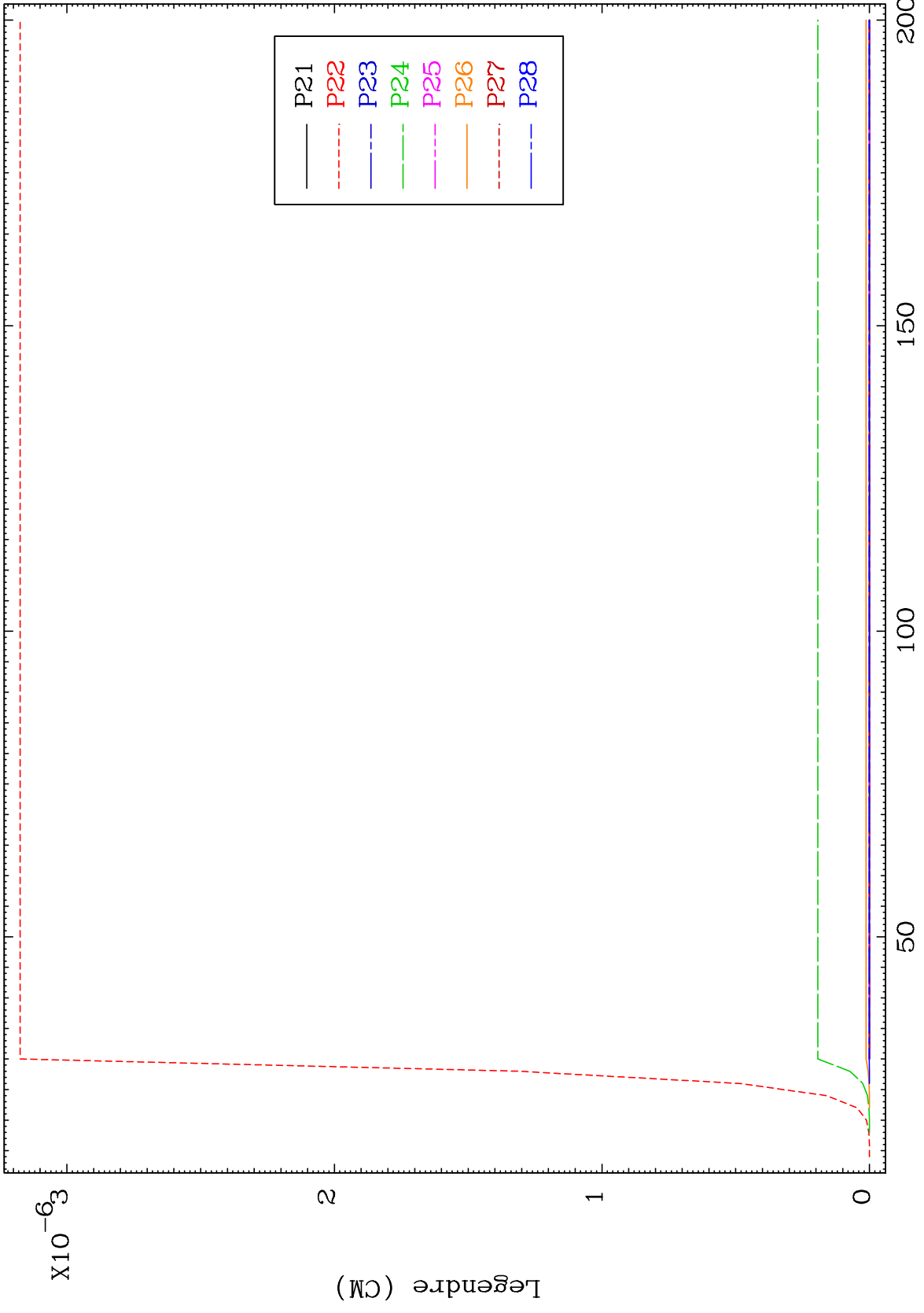
Incident Energy (MeV)

40

MAT 5237 MT= 56 (n,n') Level Legendre Coefficients 52-Te-124



MAT 5237 MT= 56 (n,n') Level Legendre Coefficients 52-Te-124

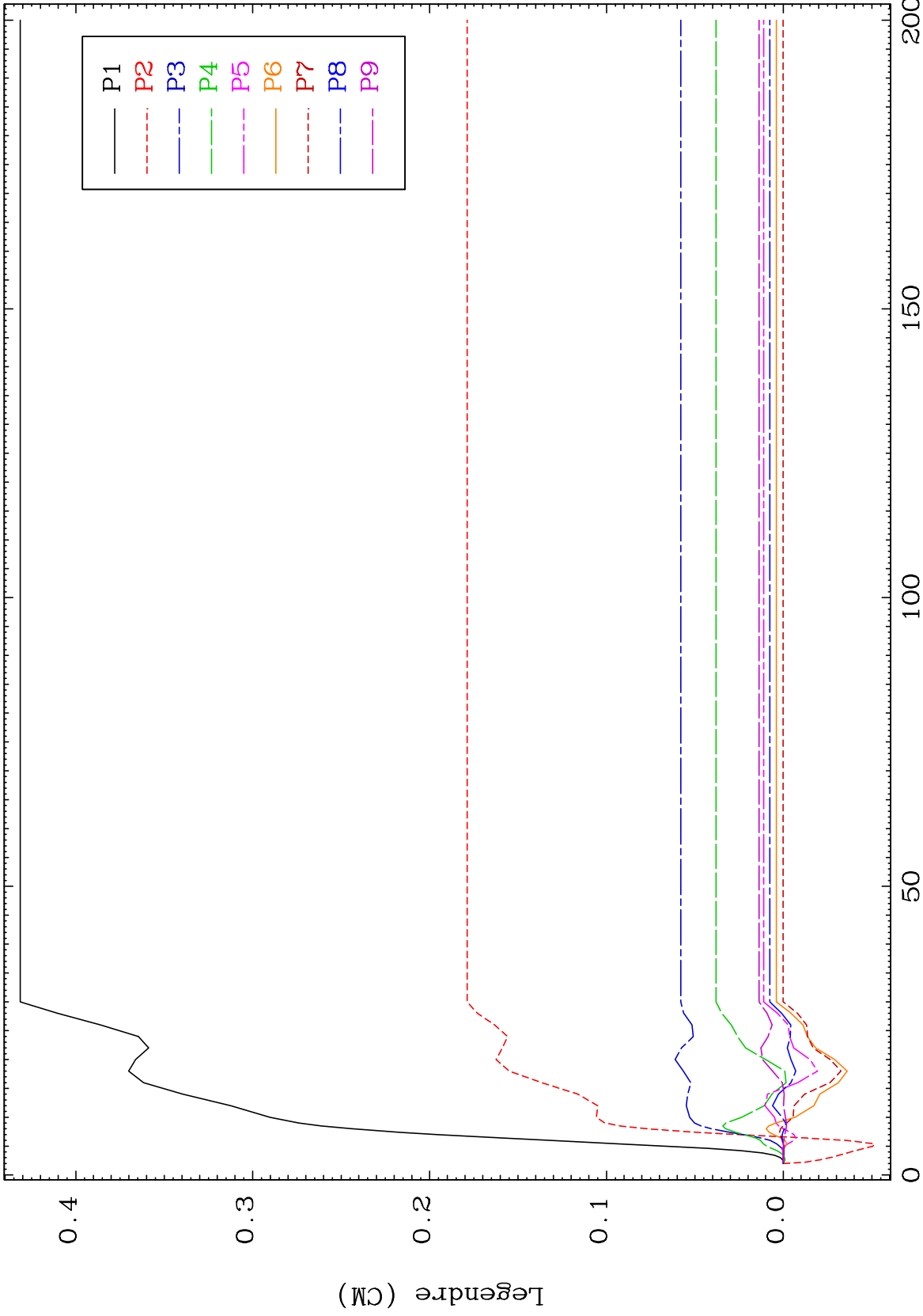


42 Incident Energy (MeV) 52-Te-124

MAT 5237

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

52-Te-124



43

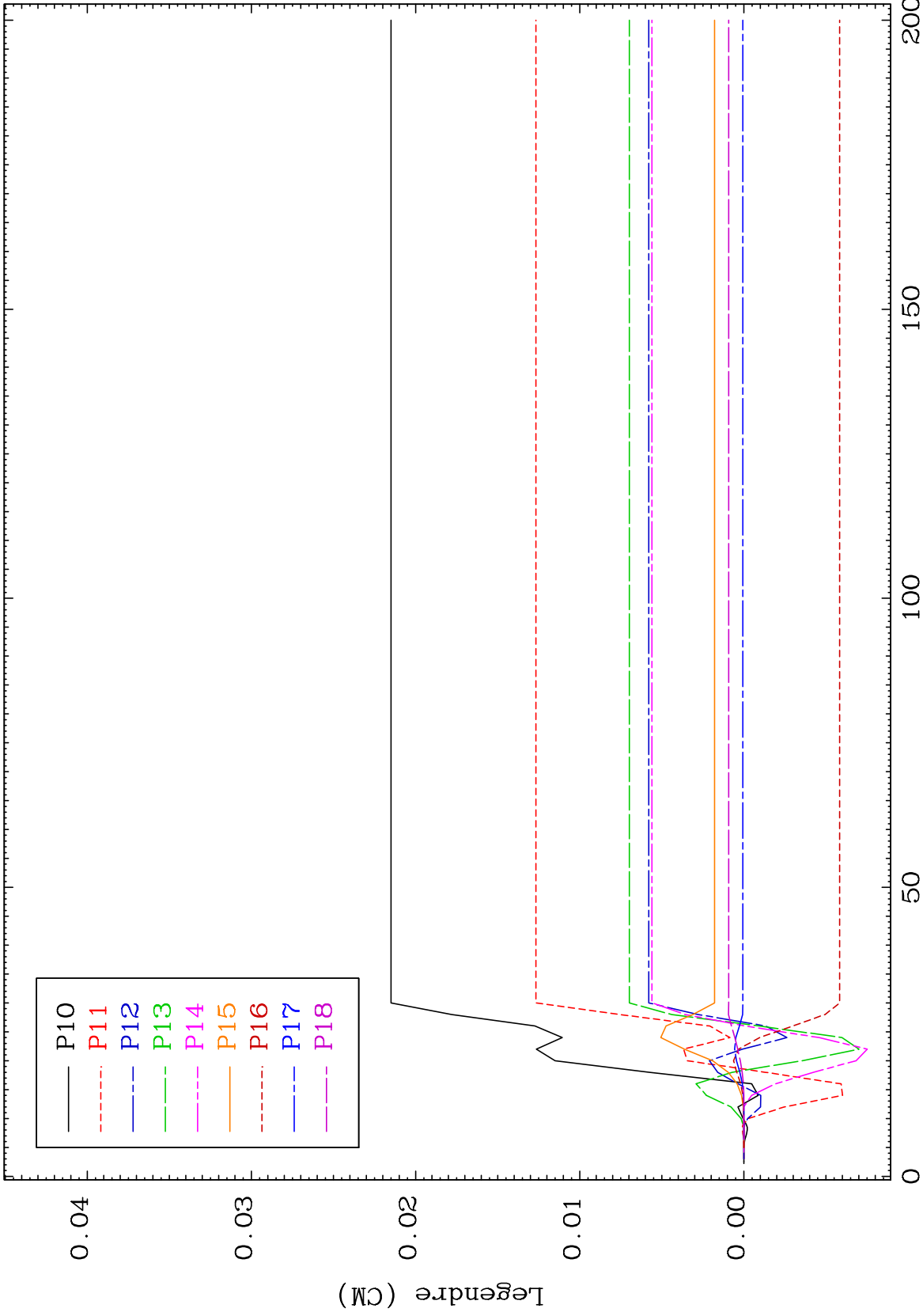
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



44

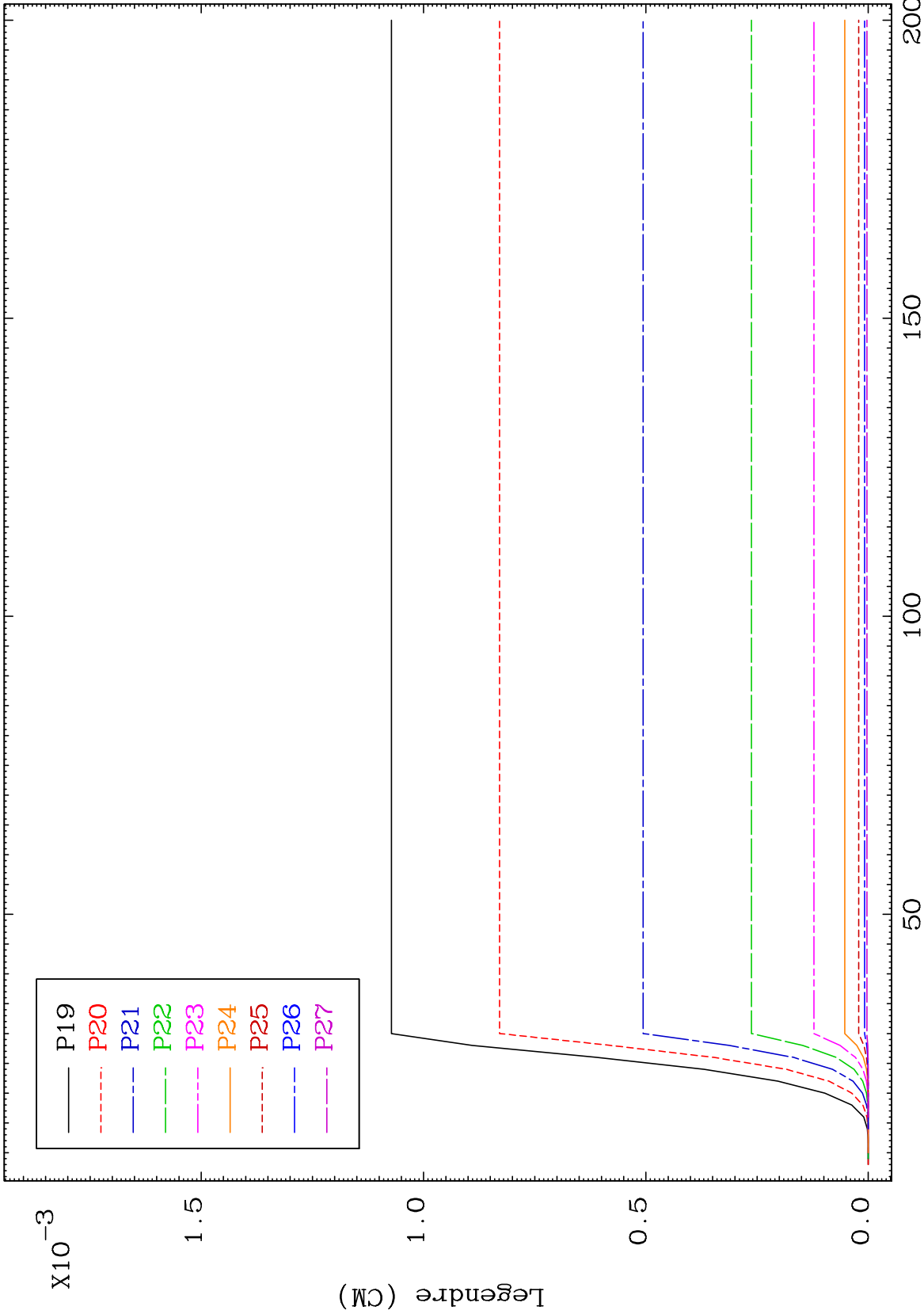
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



45

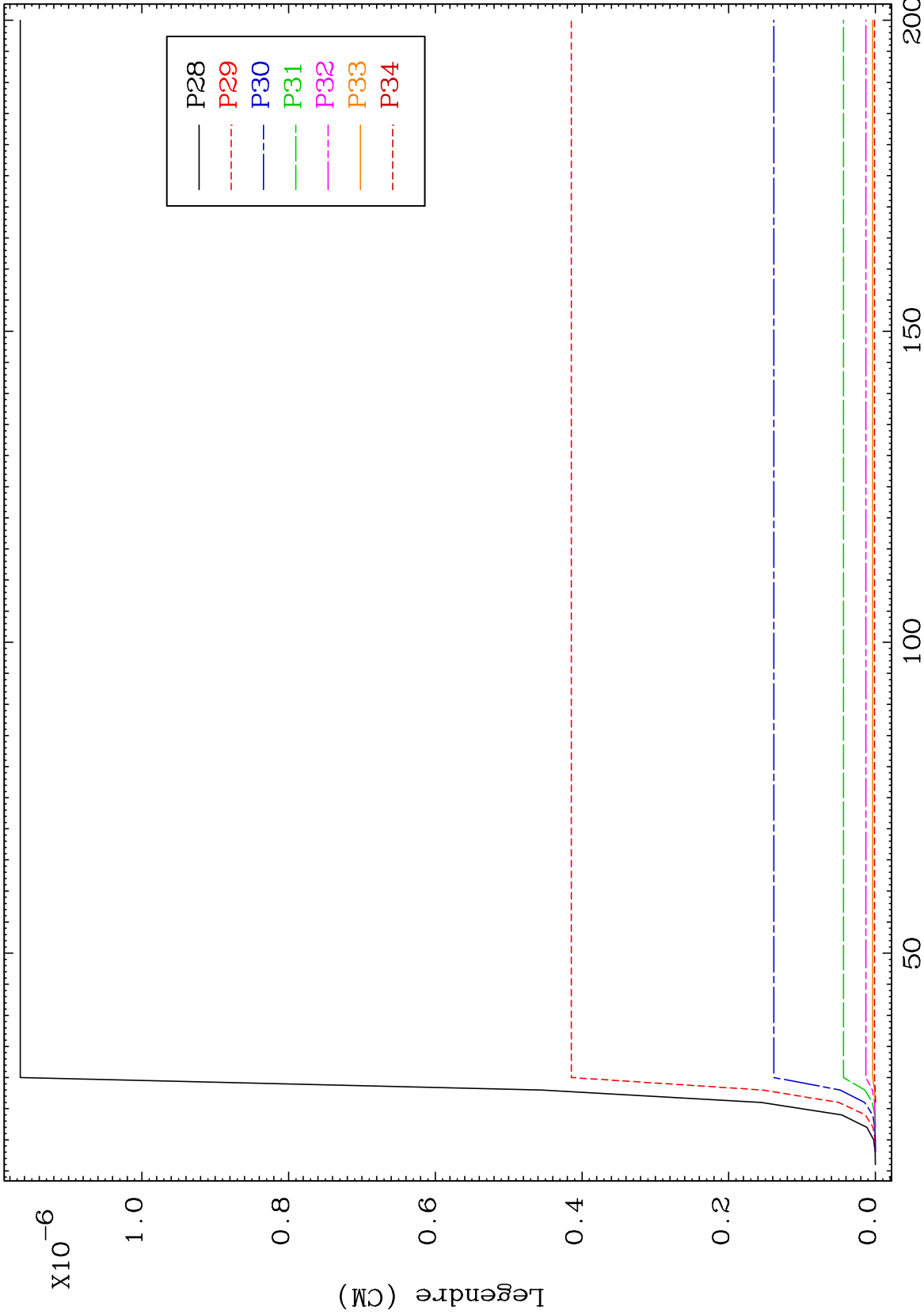
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



46

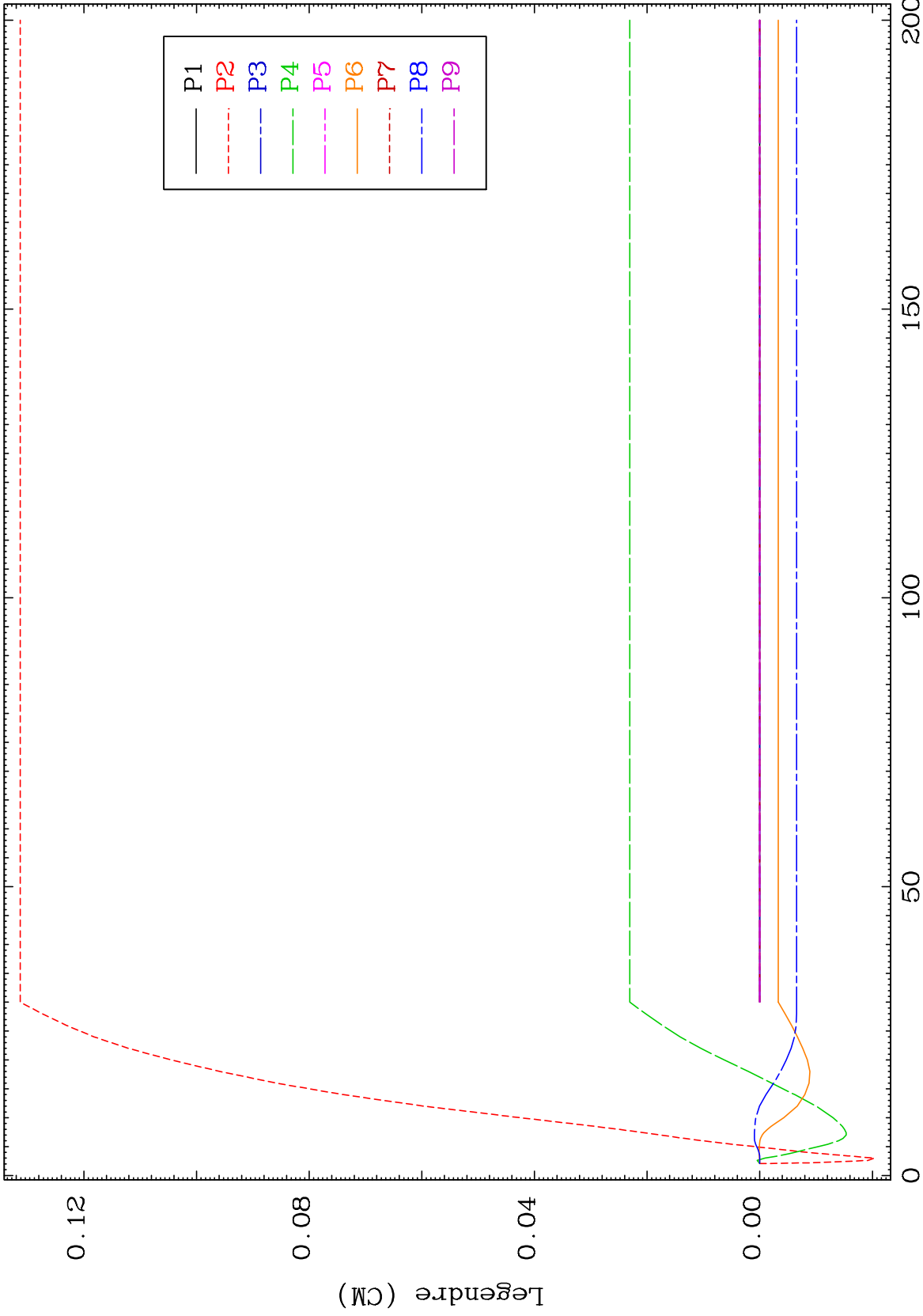
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



47

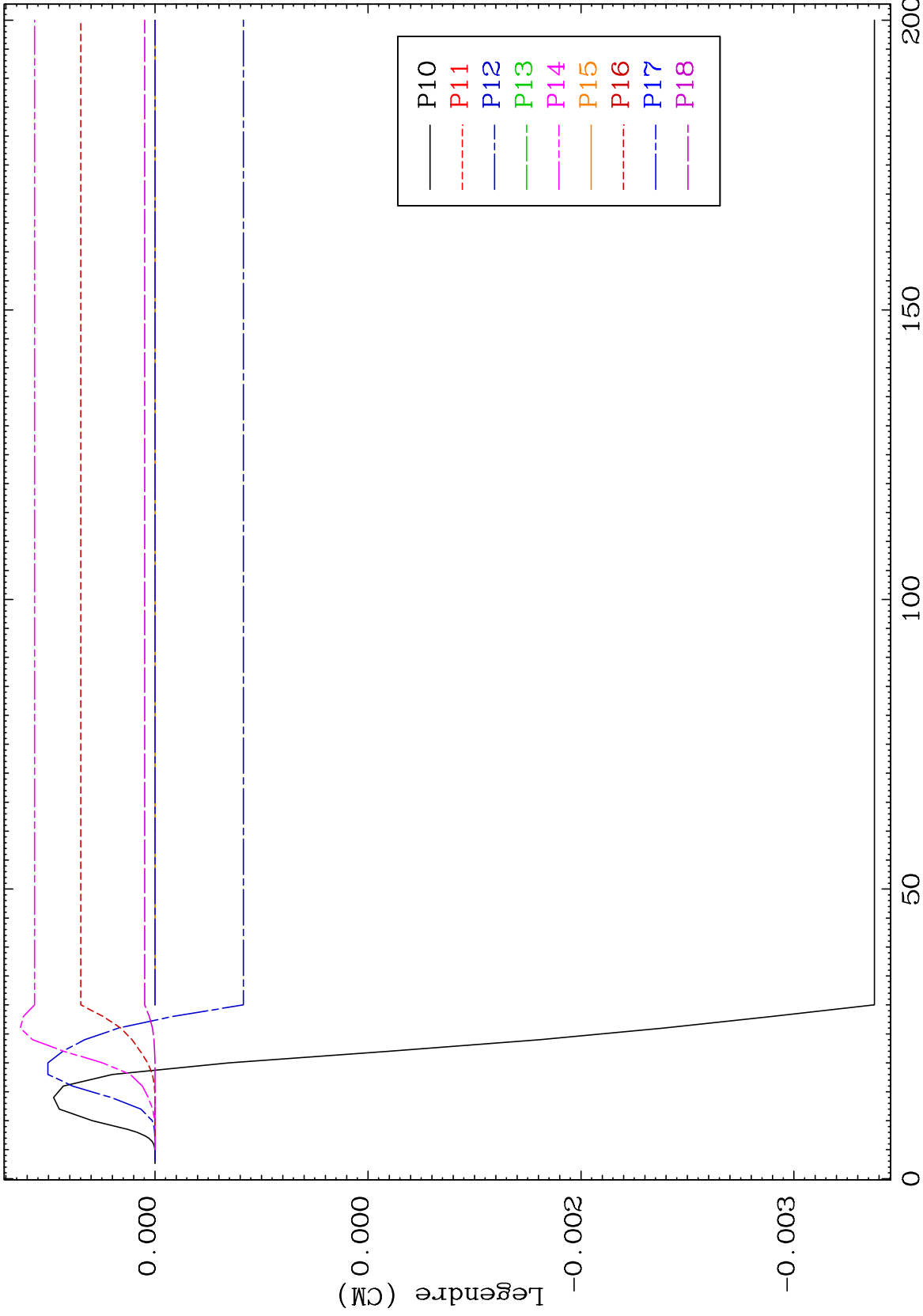
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



48

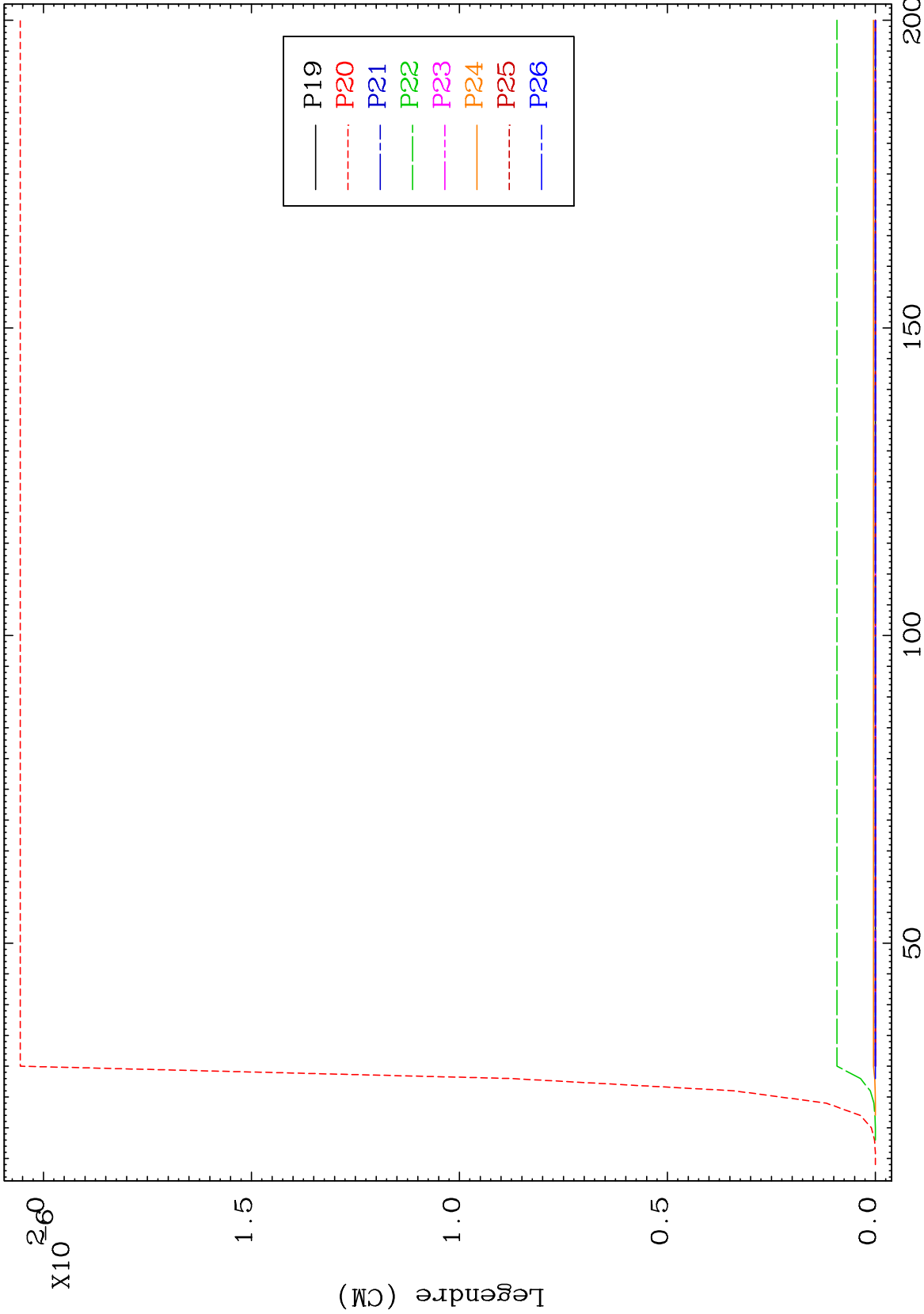
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



49

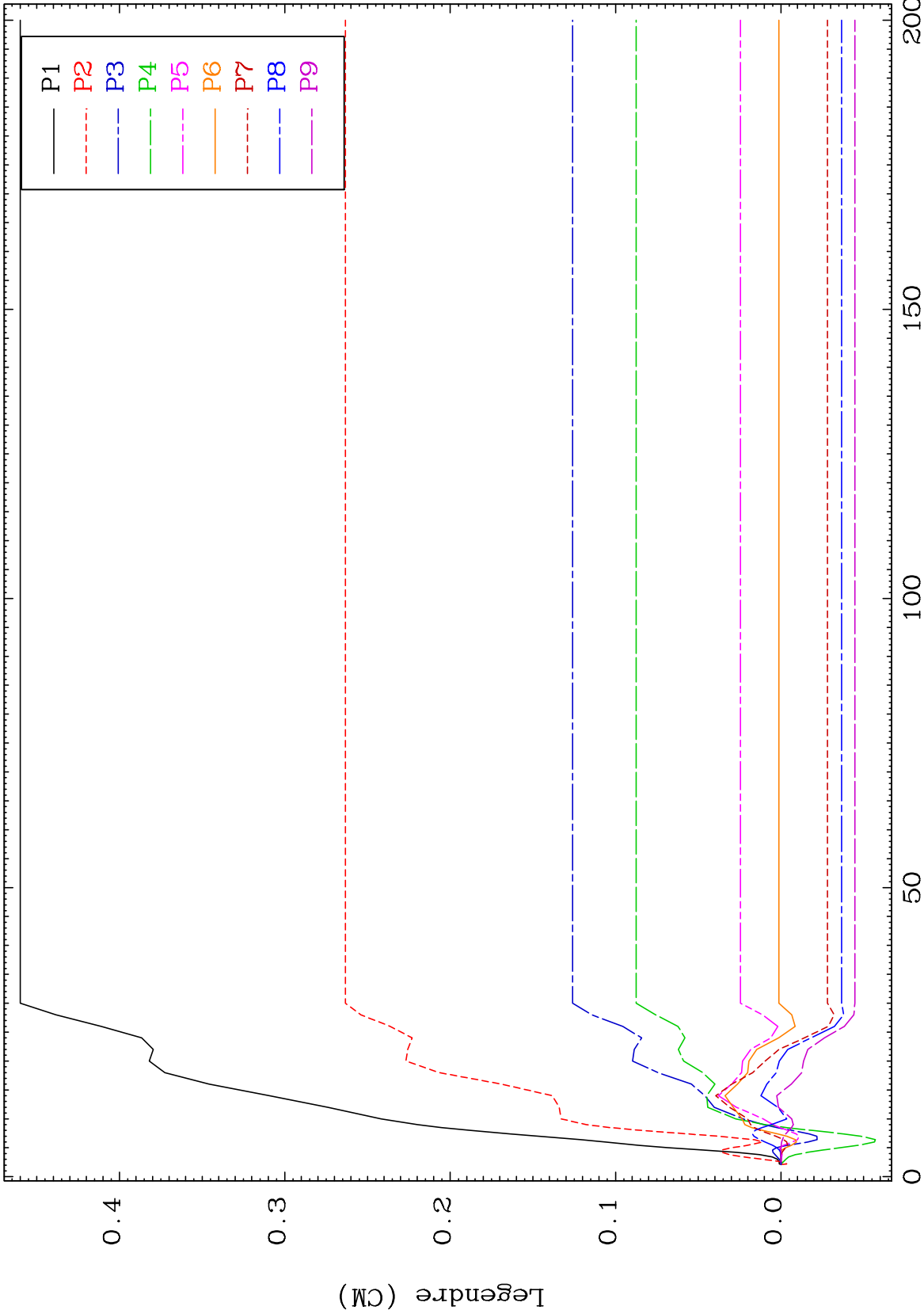
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



52-Te-124

Incident Energy (MeV)

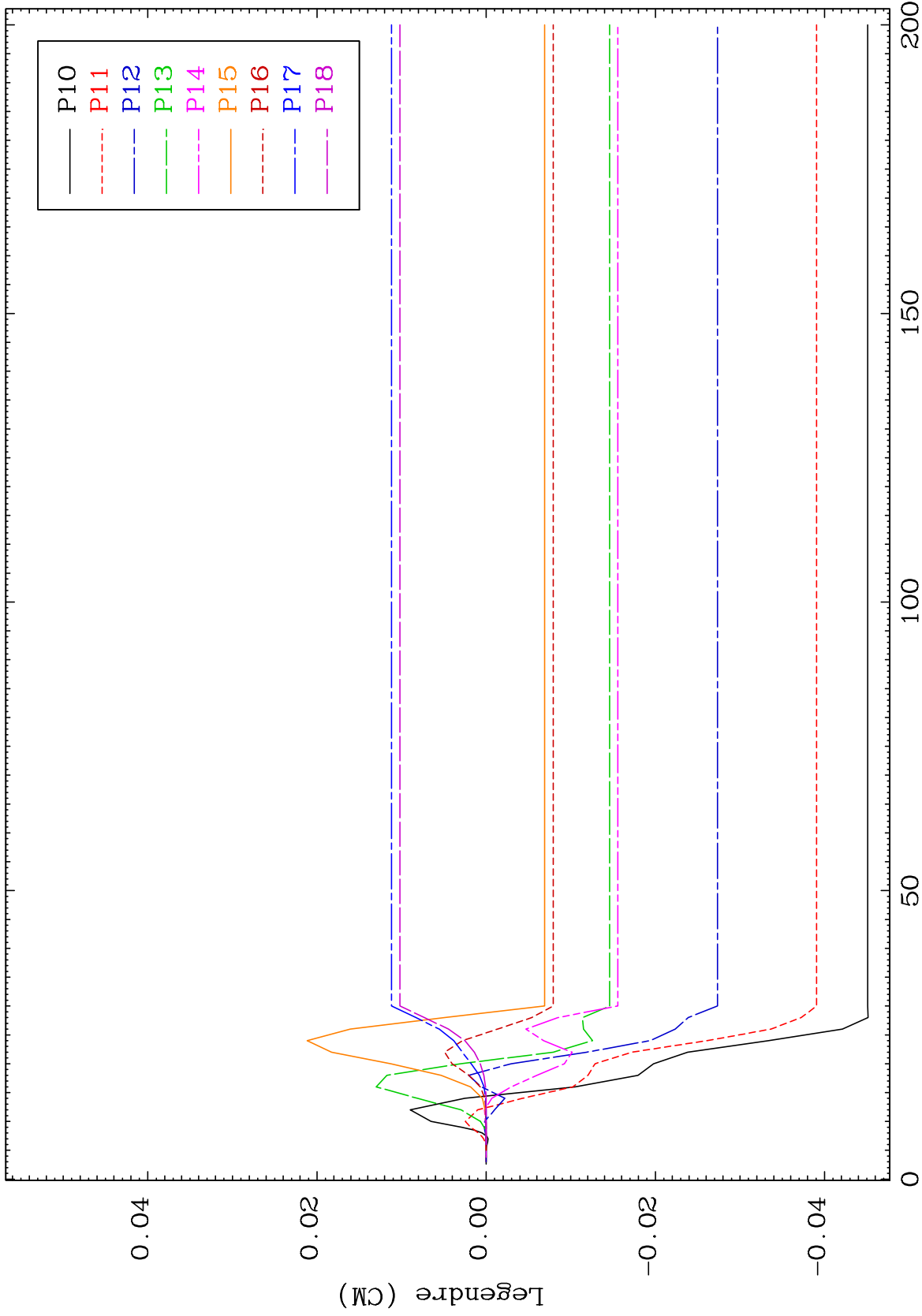
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200

MAT 5237

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

52-Te-124



51

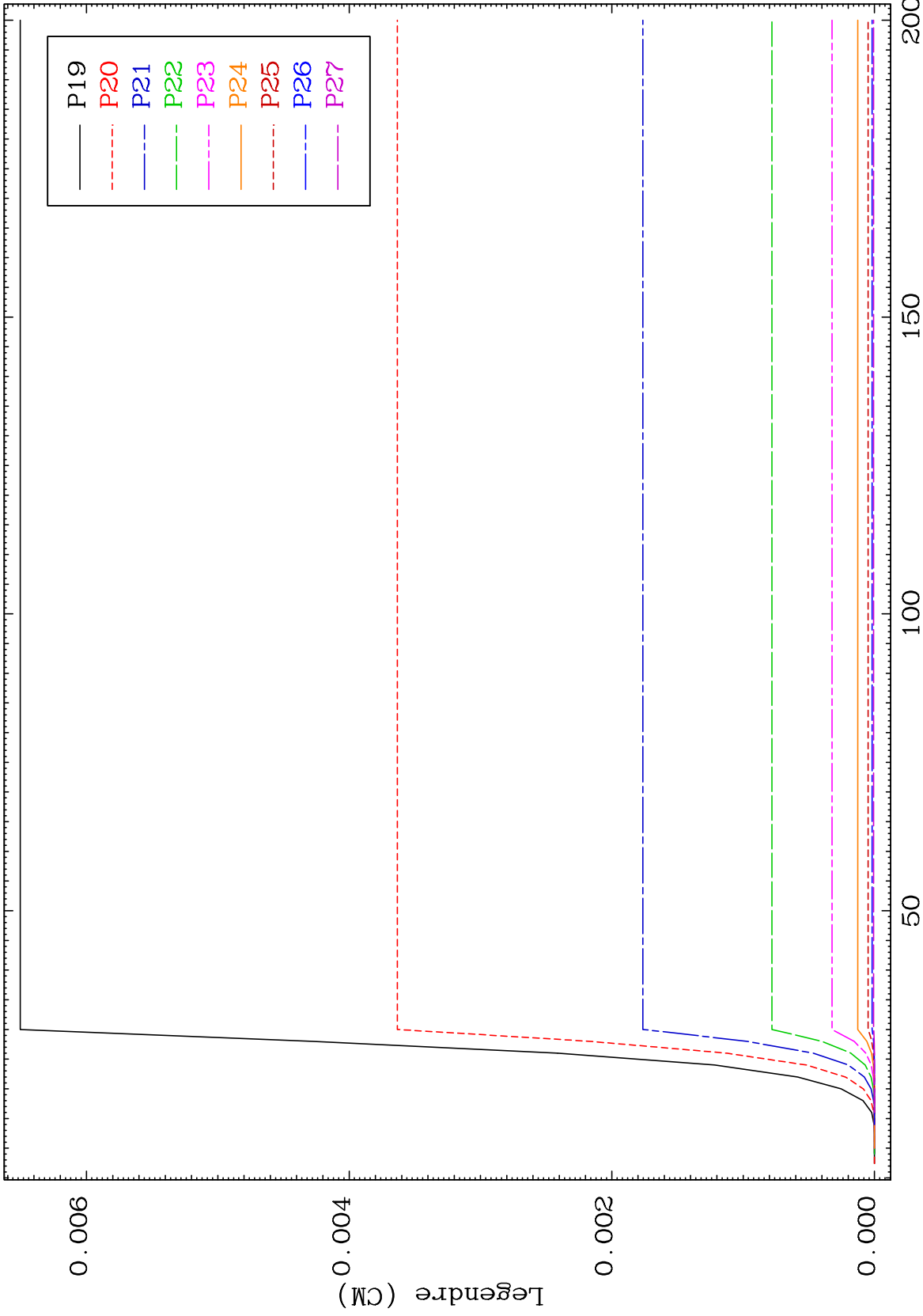
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



52

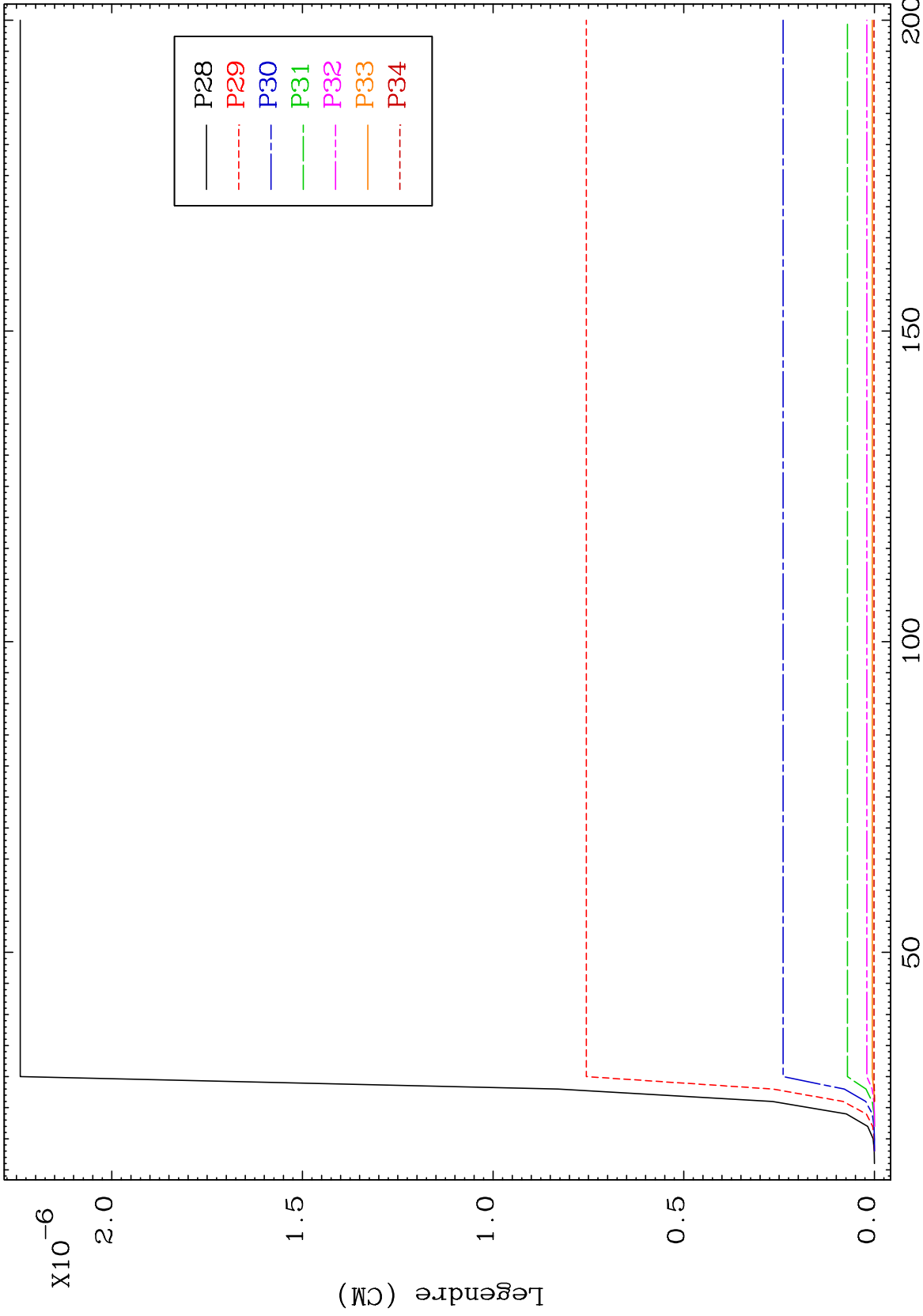
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



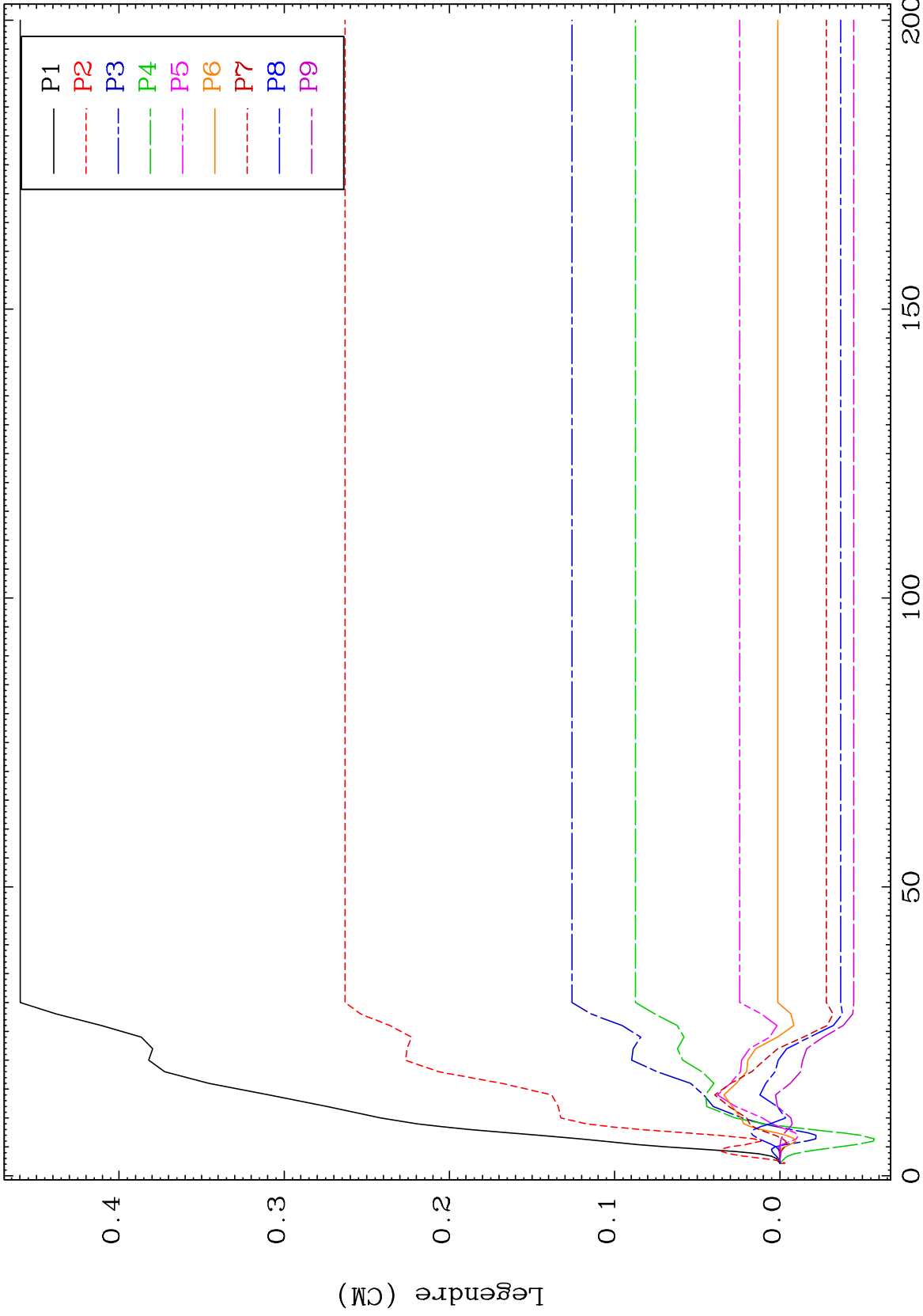
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52-Te-124

MAT 5237

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

52-Te-124



54

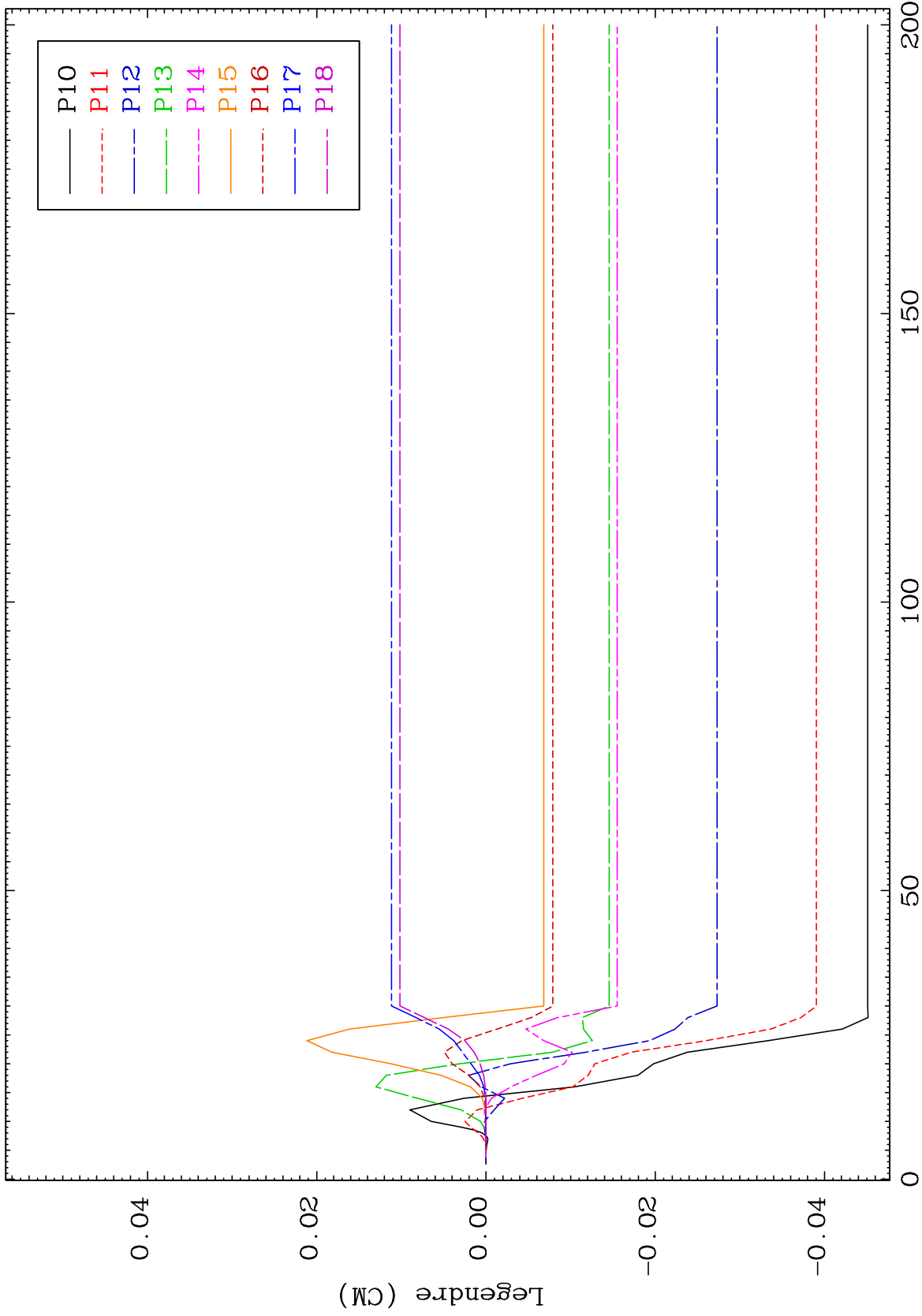
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



55

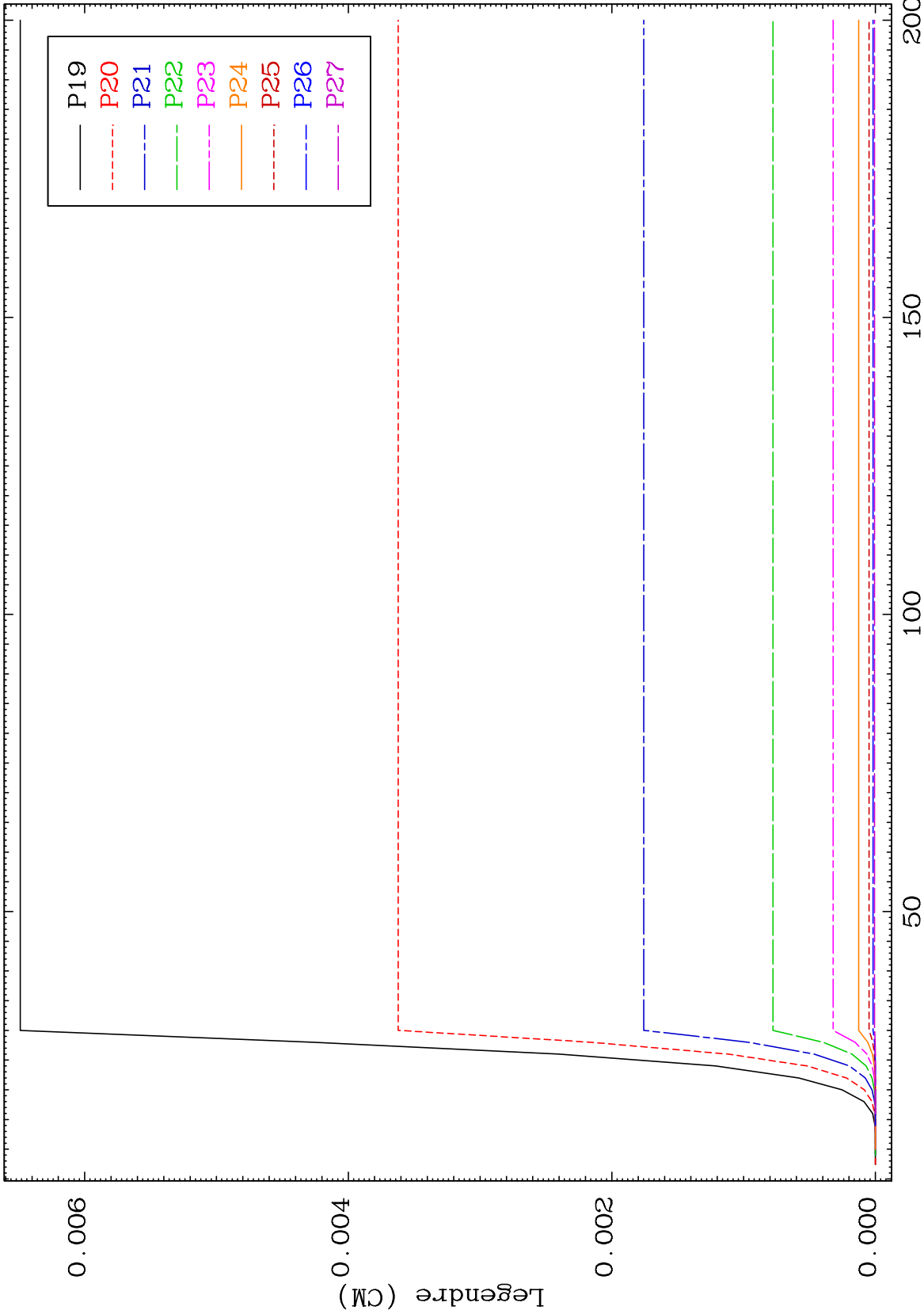
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



56

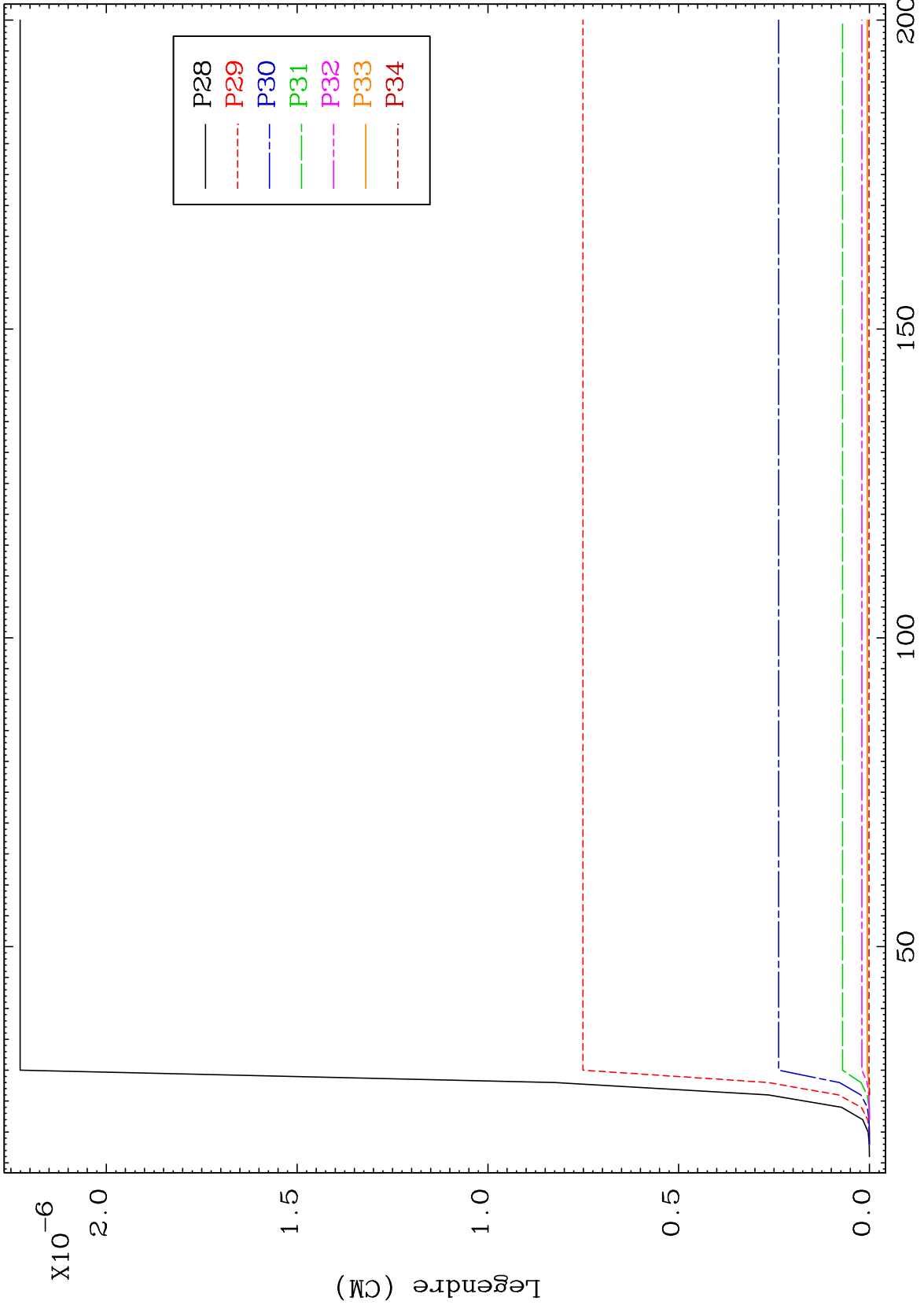
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124

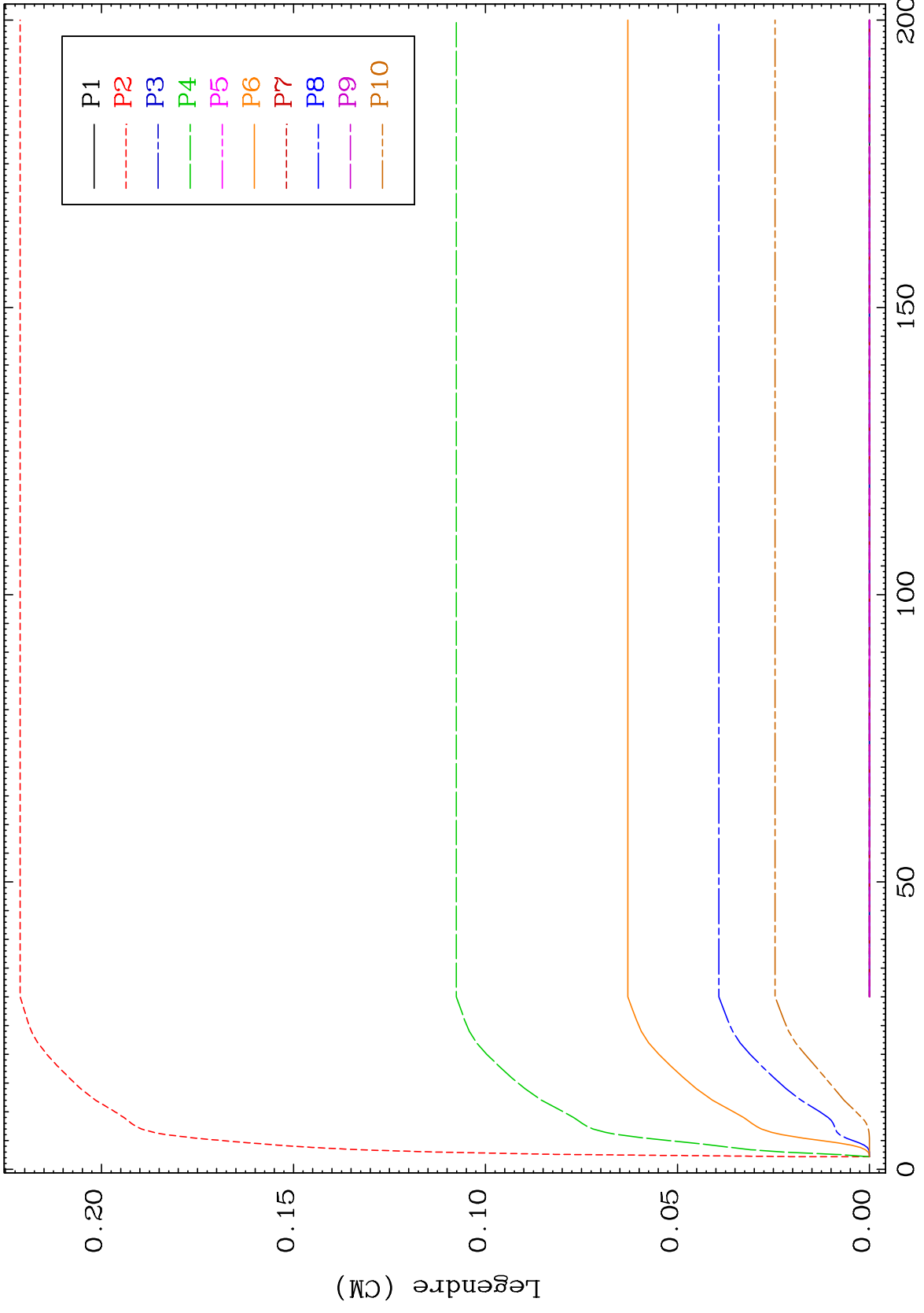


57

Incident Energy (MeV)

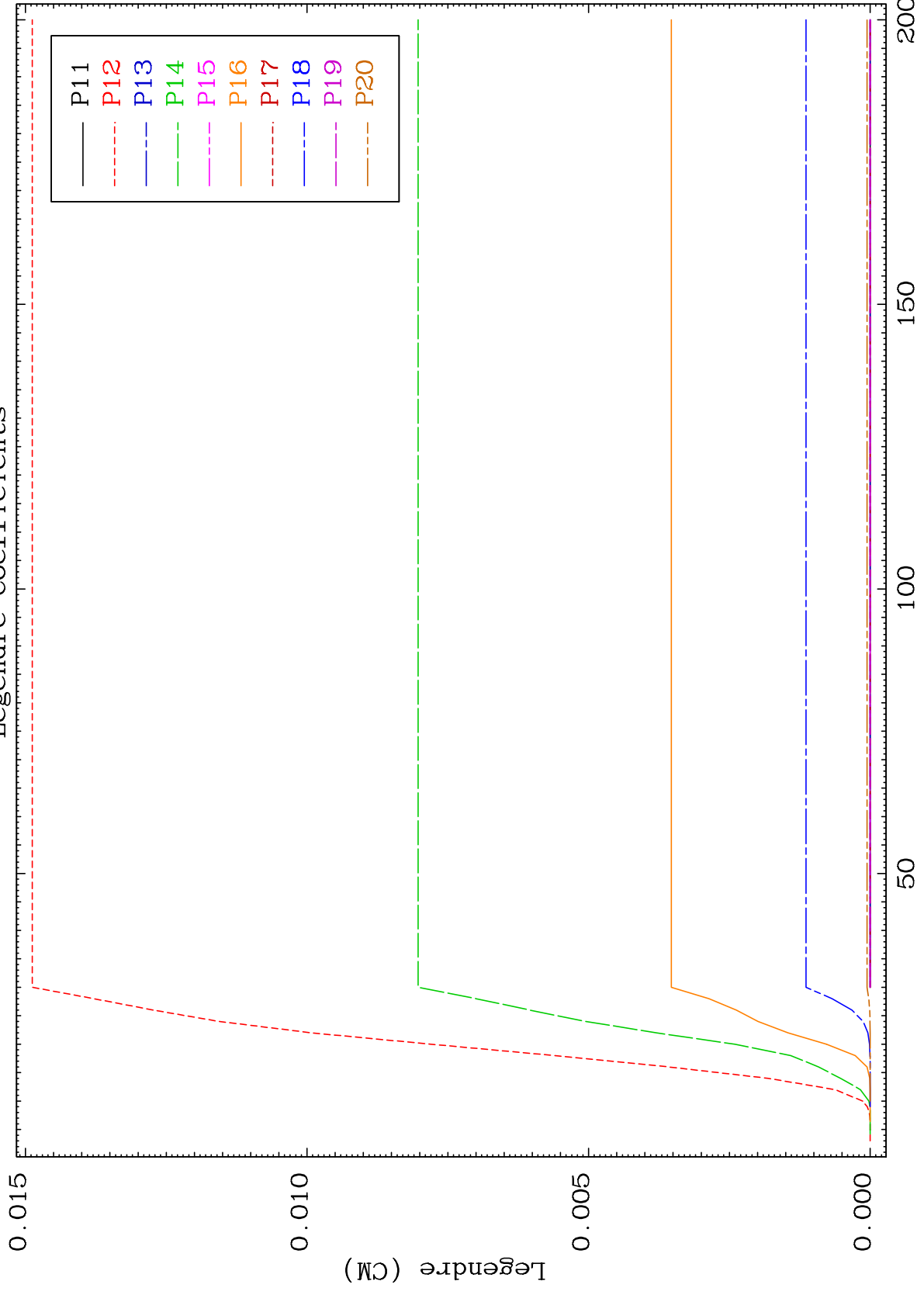
52-Te-124

MAT 5237 MT= 61 (n,n') Level Legendre Coefficients 52-Te-124



58 52-Te-124

MAT 5237 MT= 61 (n,n') Level Legendre Coefficients 52-Te-124

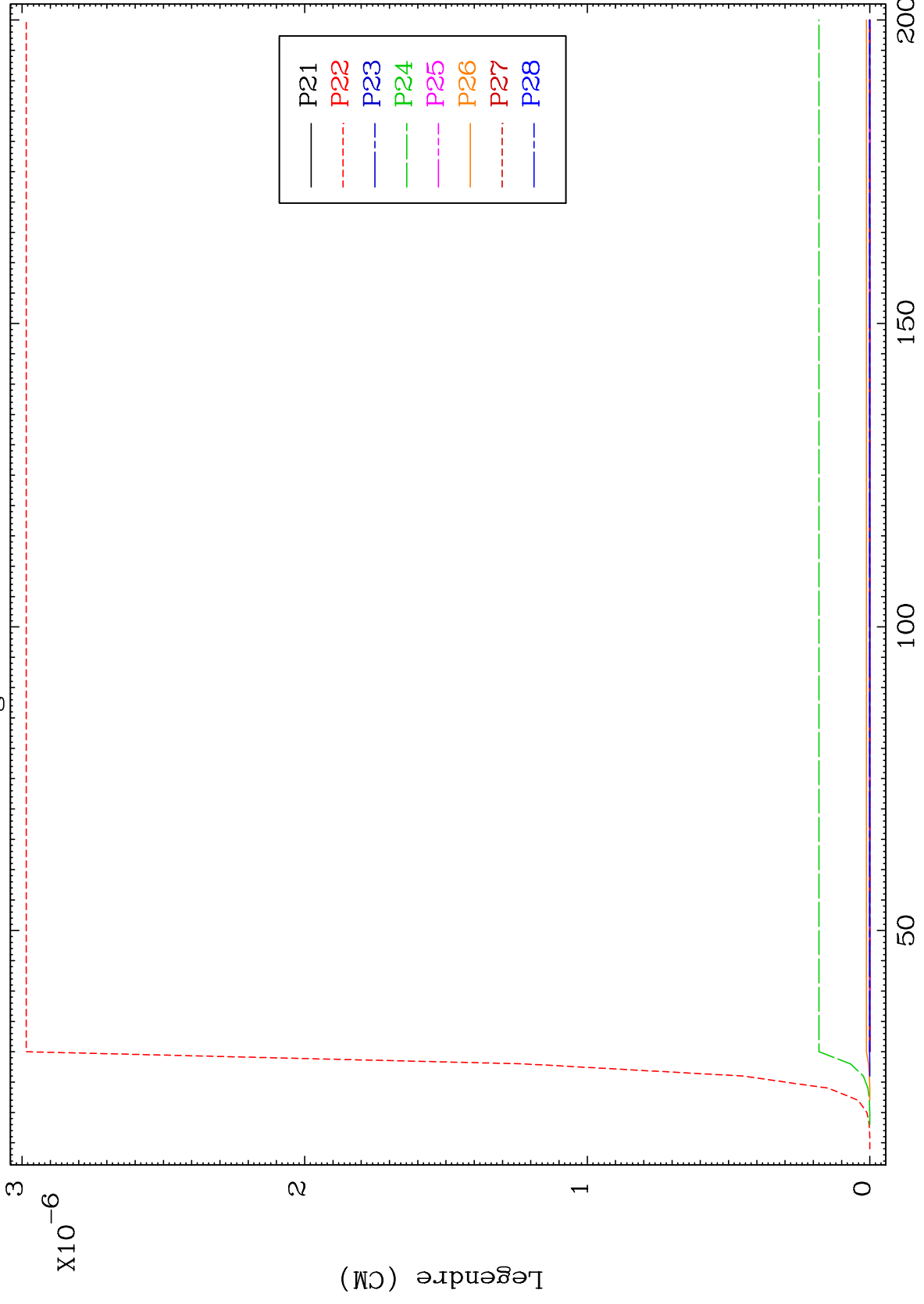


59

Incident Energy (MeV)

52-Te-124

MAT 5237 MT= 61 (n,n') Level Legendre Coefficients 52-Te-124

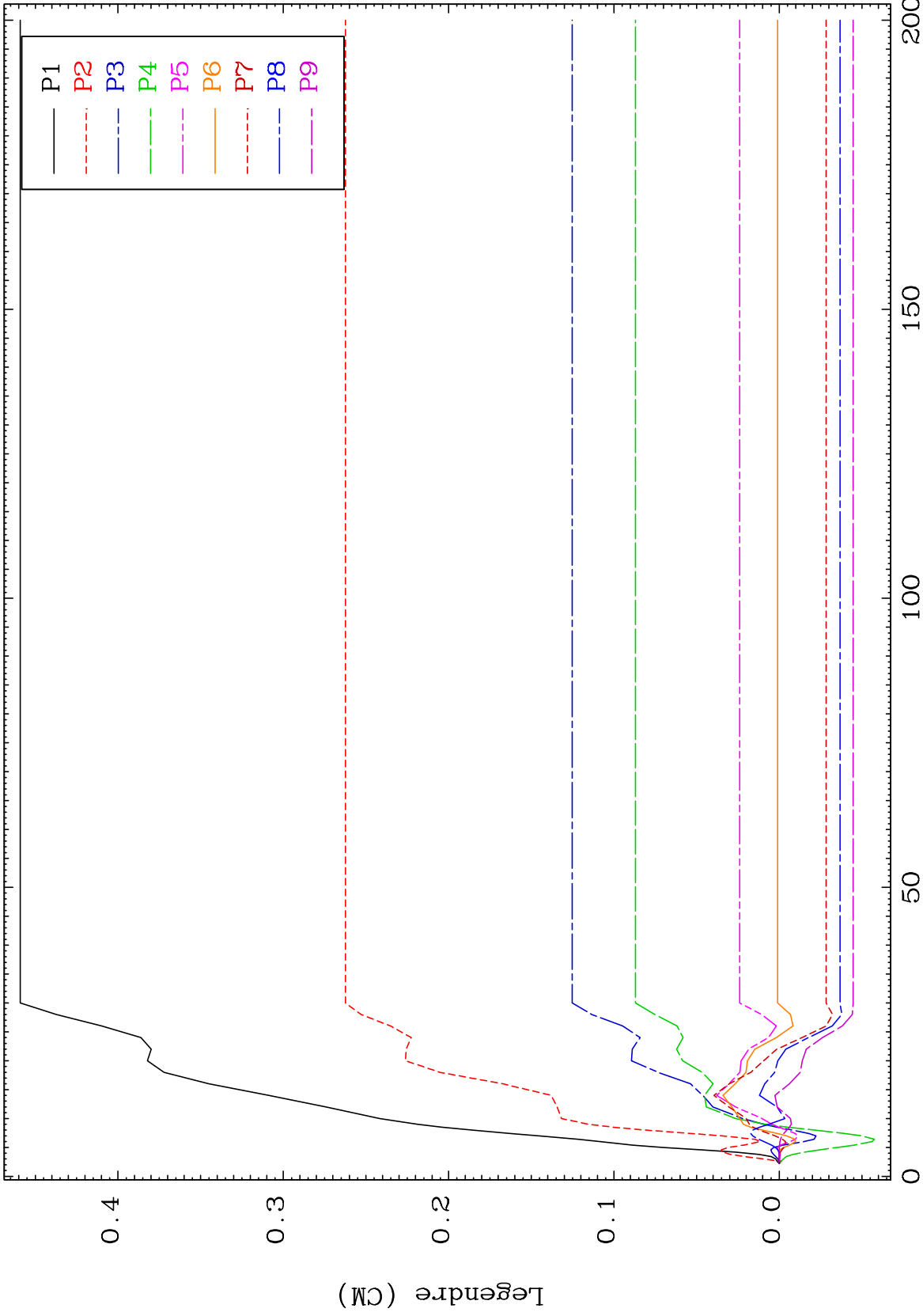


52-Te-124

MAT 5237

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

52-Te-124



61

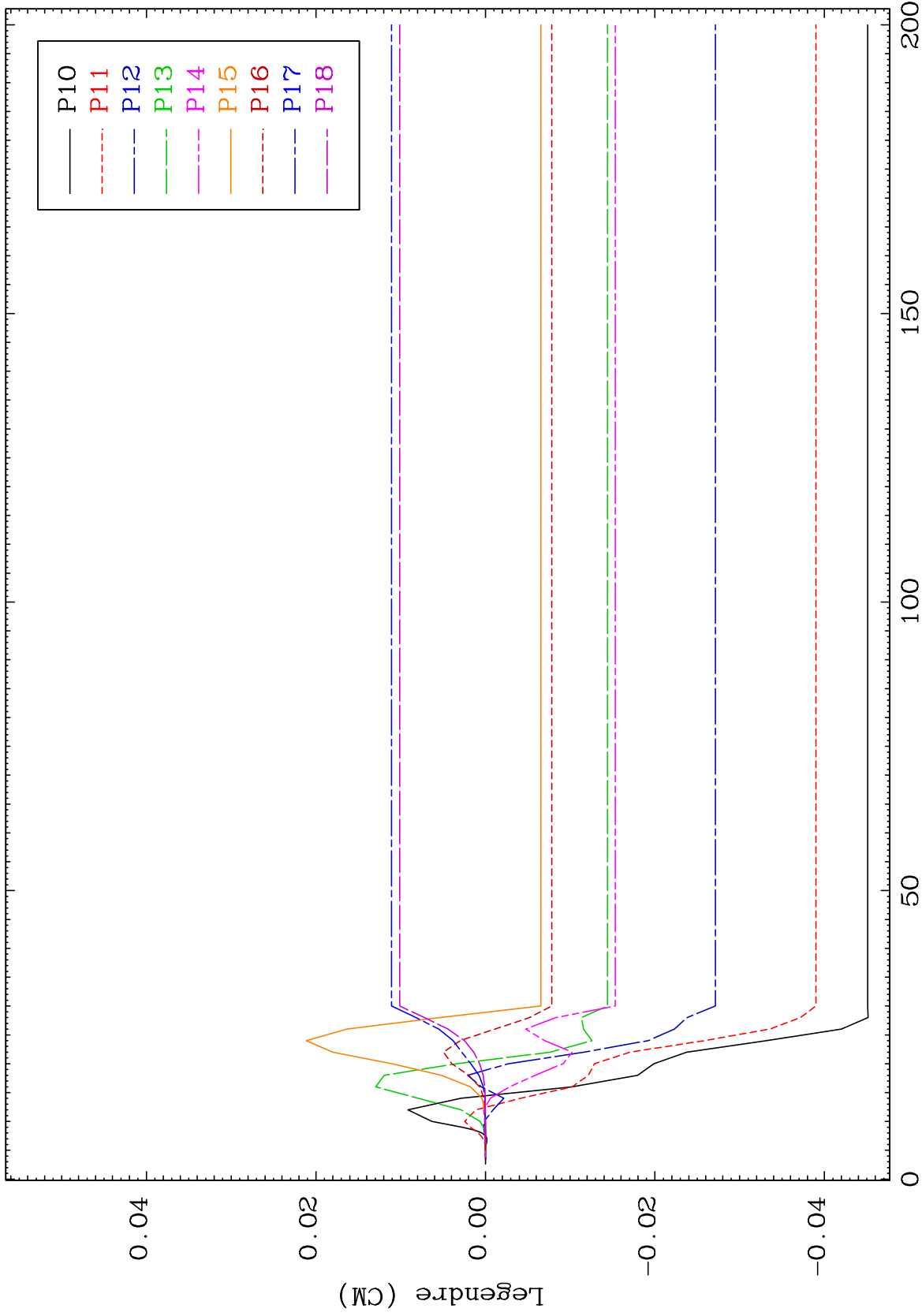
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



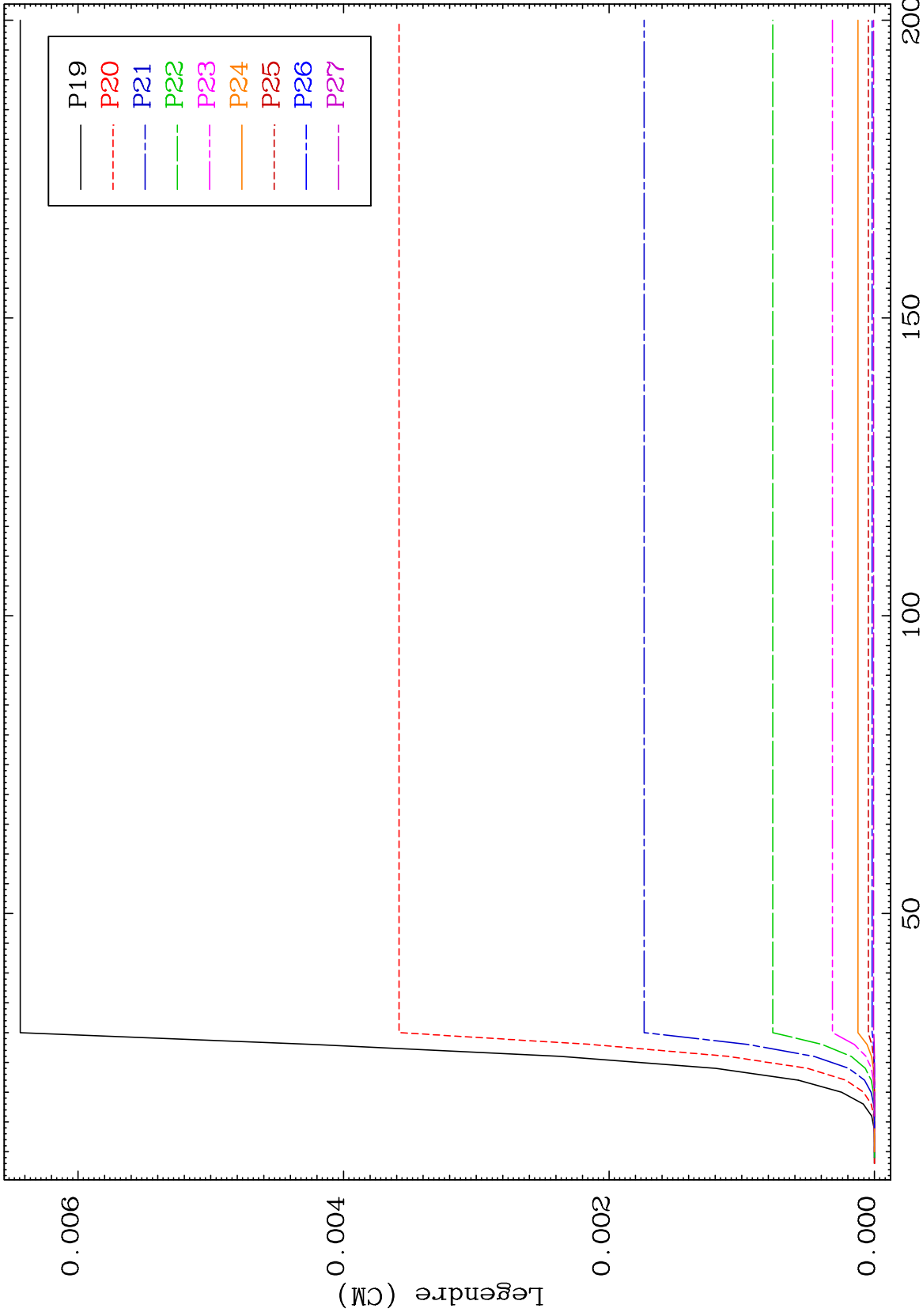
62

52-Te-124

MAT 5237

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

52-Te-124



63

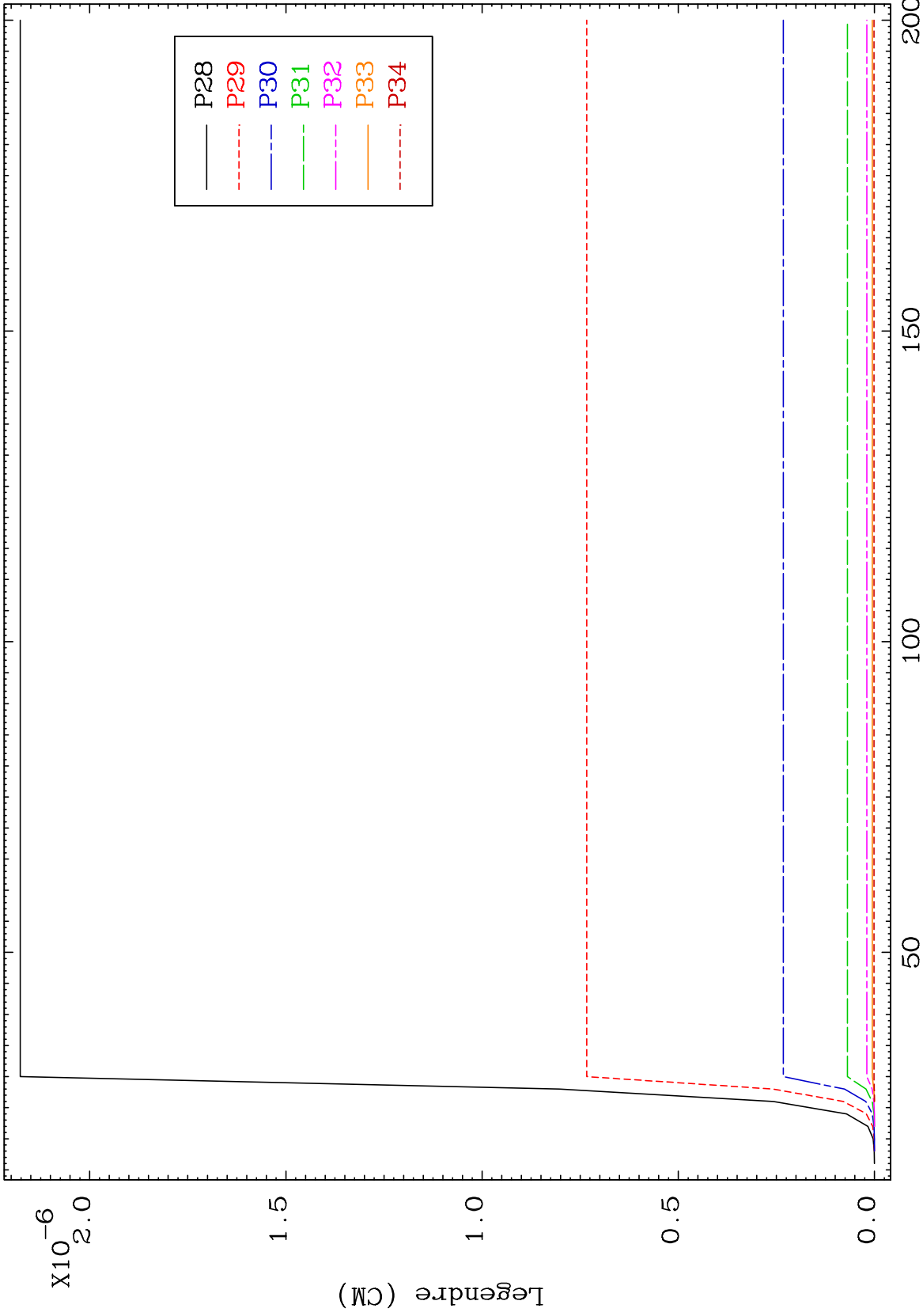
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



64

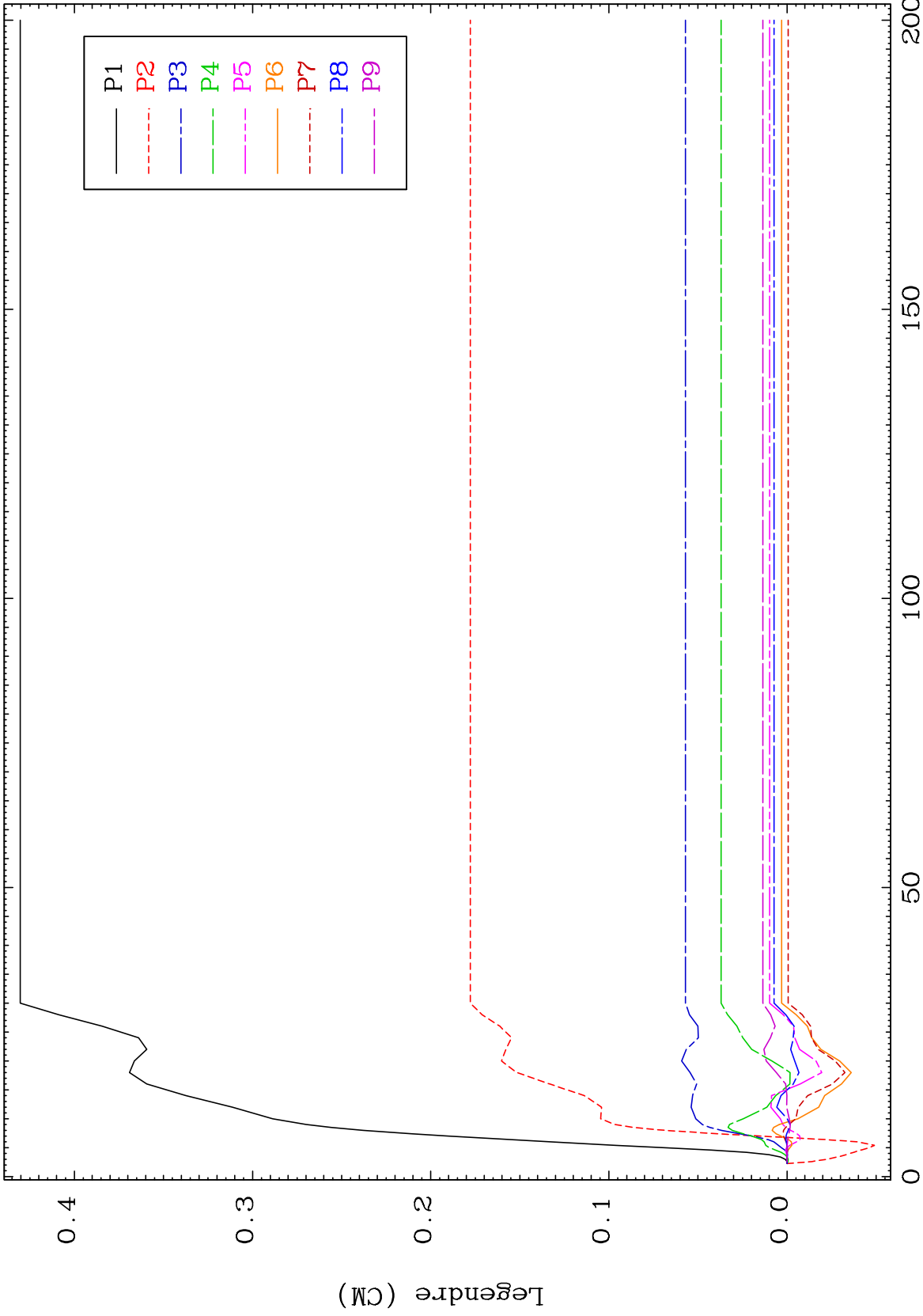
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



65

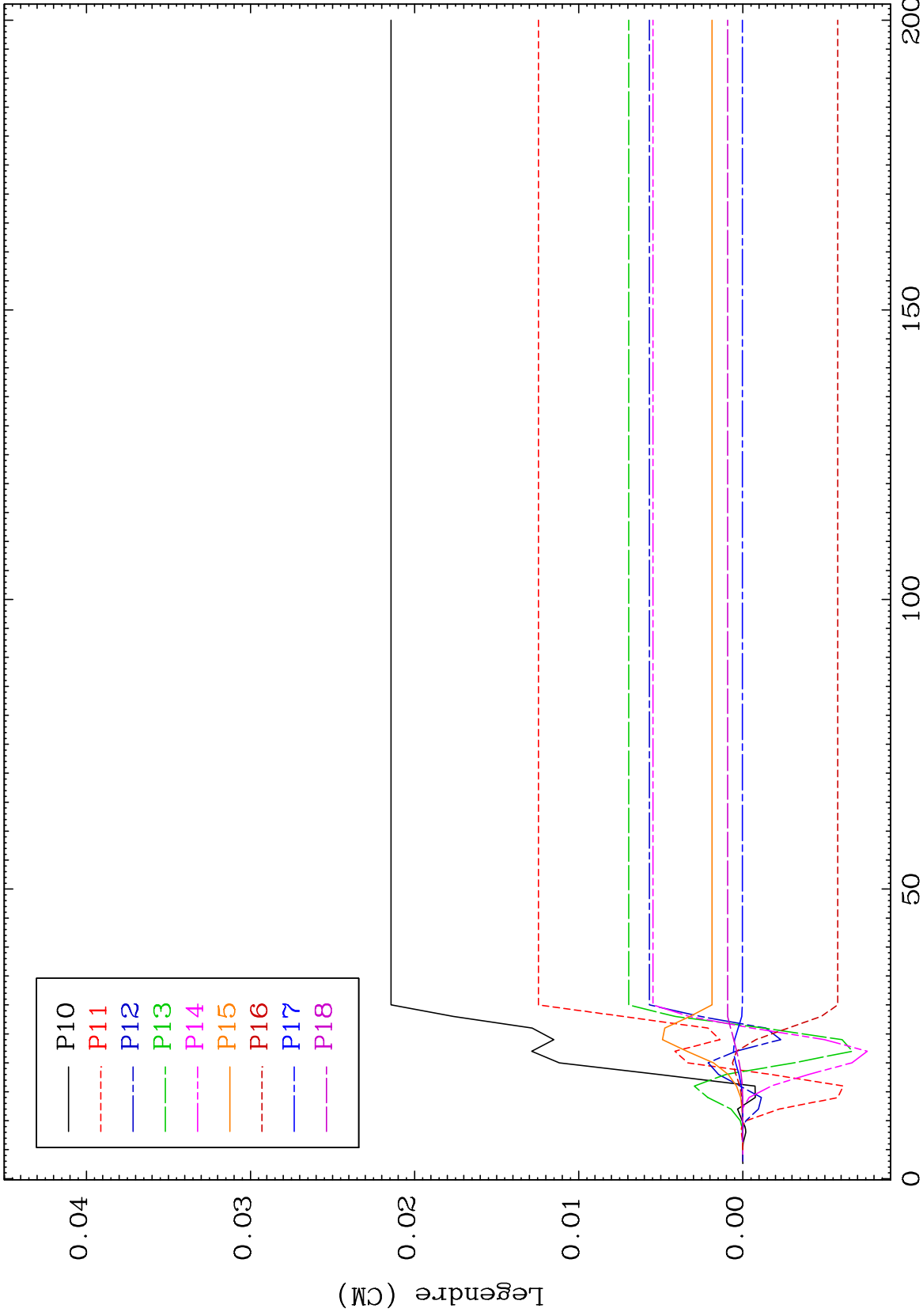
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



66

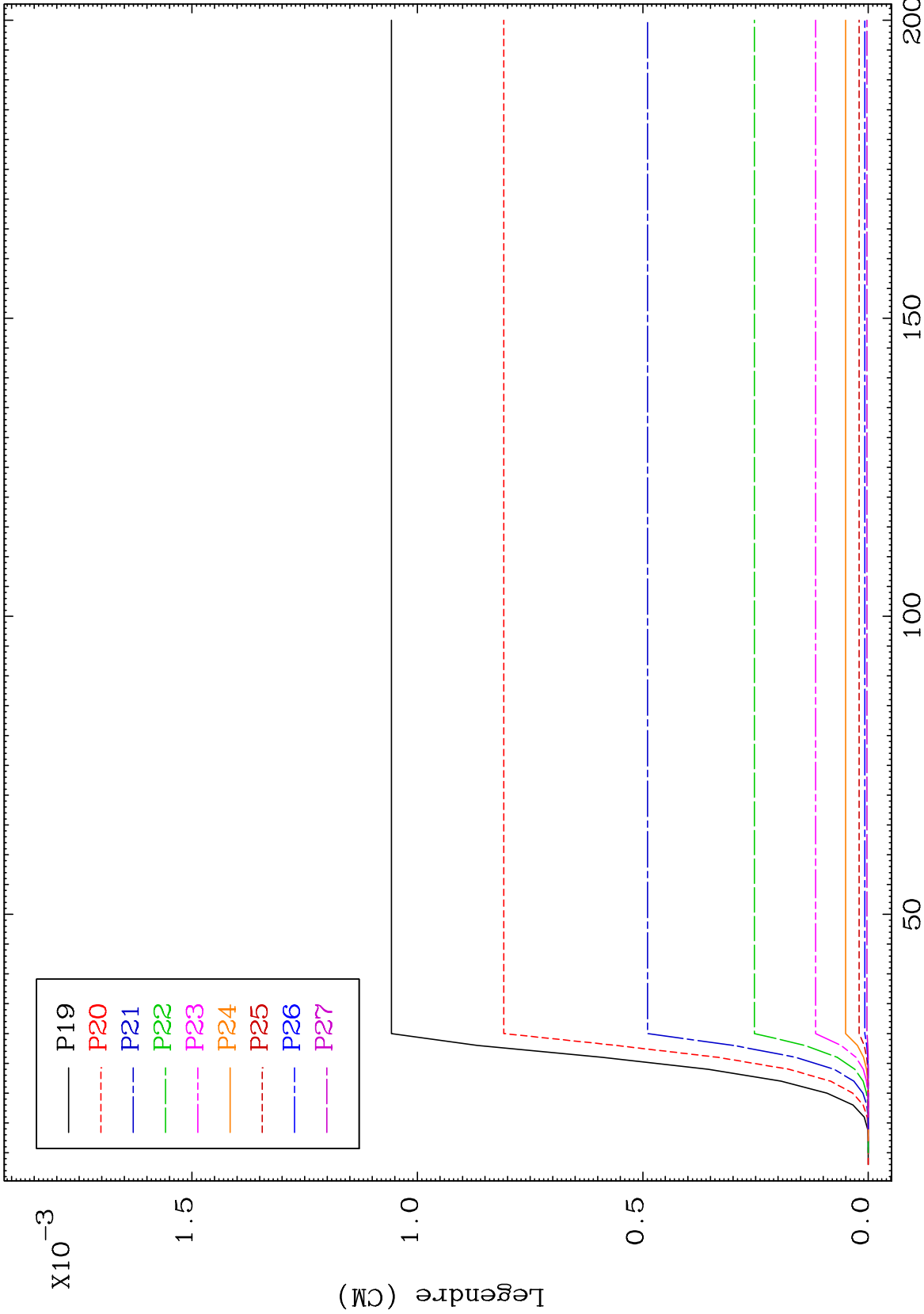
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



67

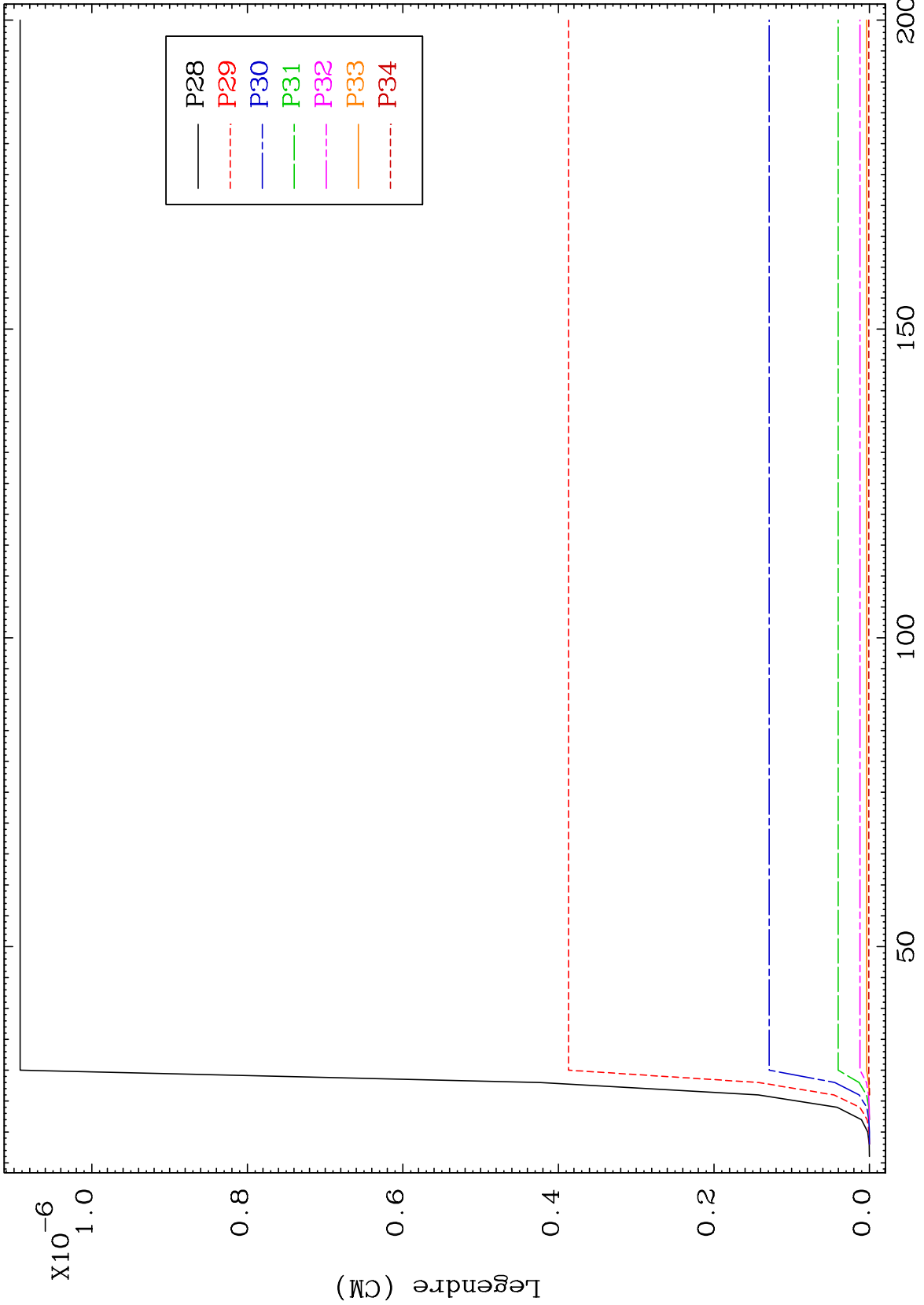
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



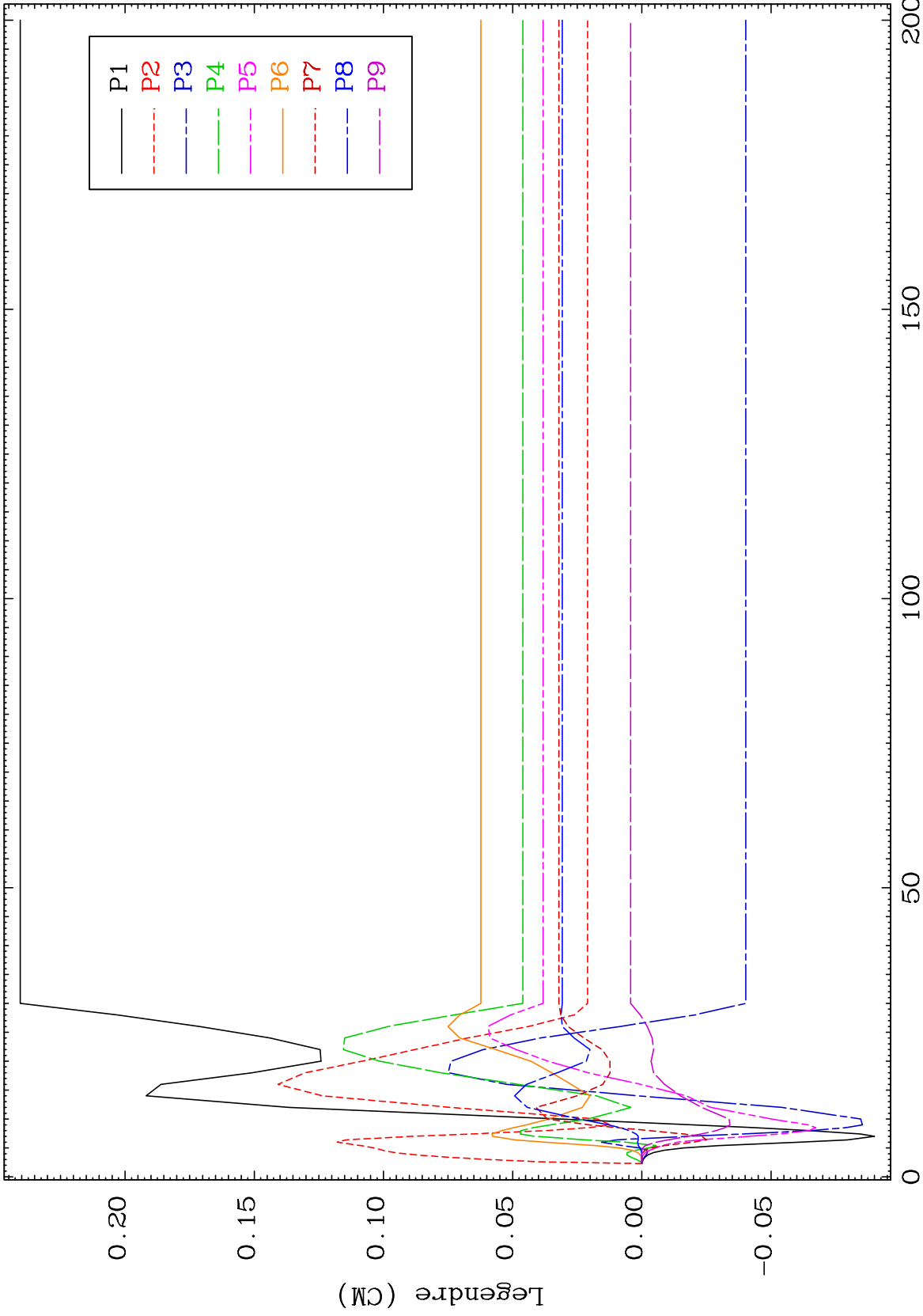
68

52-Te-124

MAT 5237

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

52-Te-124



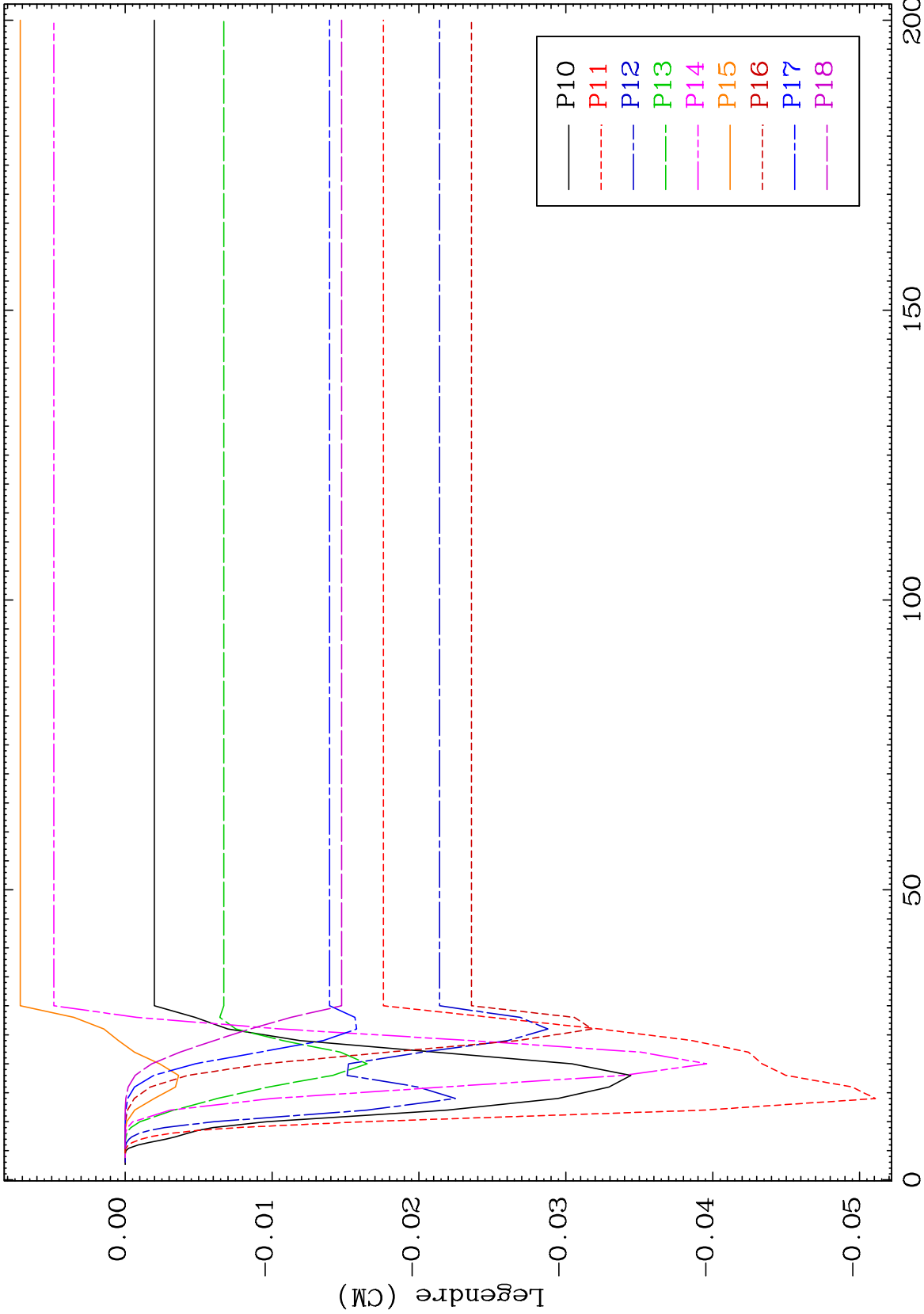
69

52-Te-124

MAT 5237

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

52-Te-124

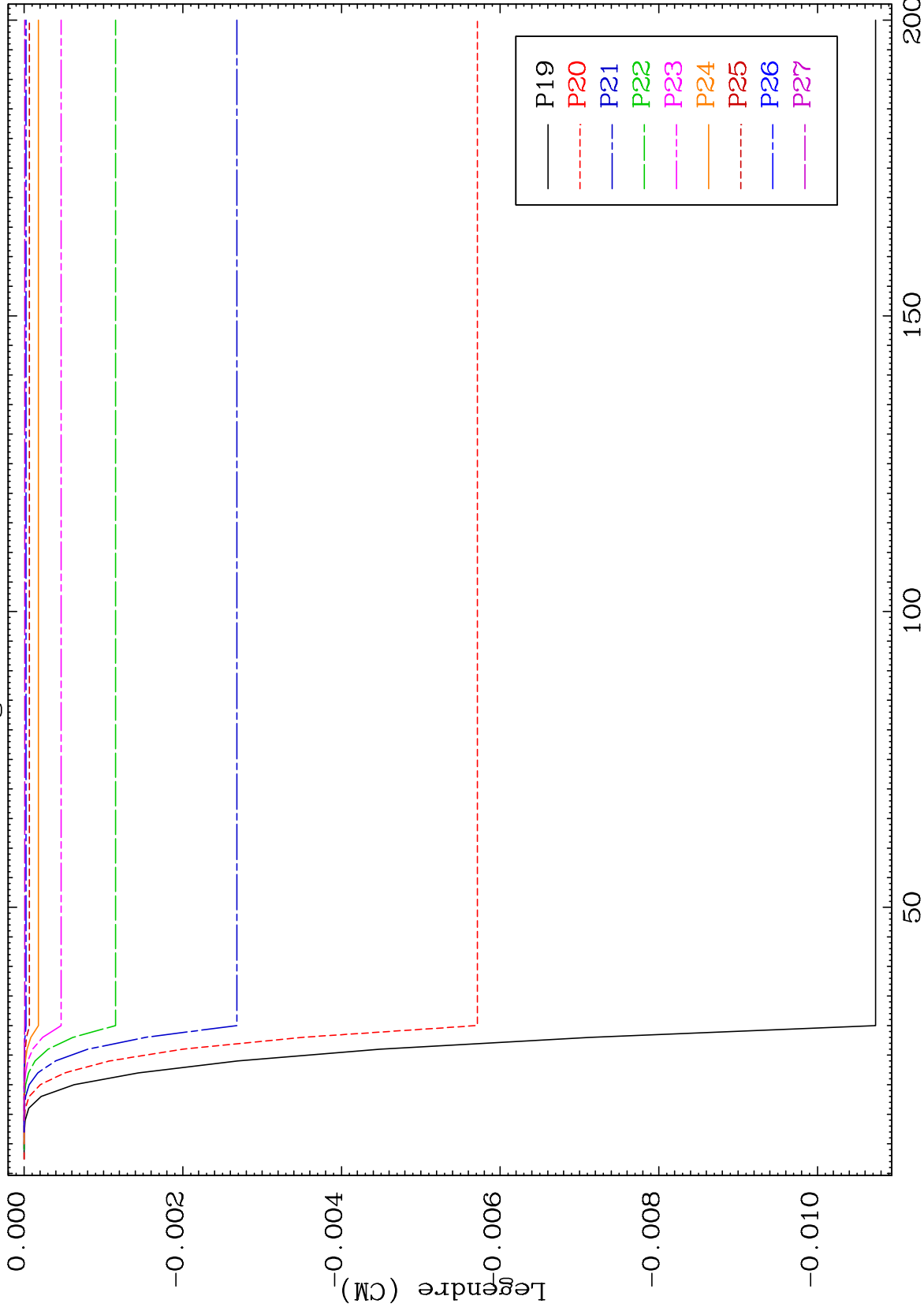


70

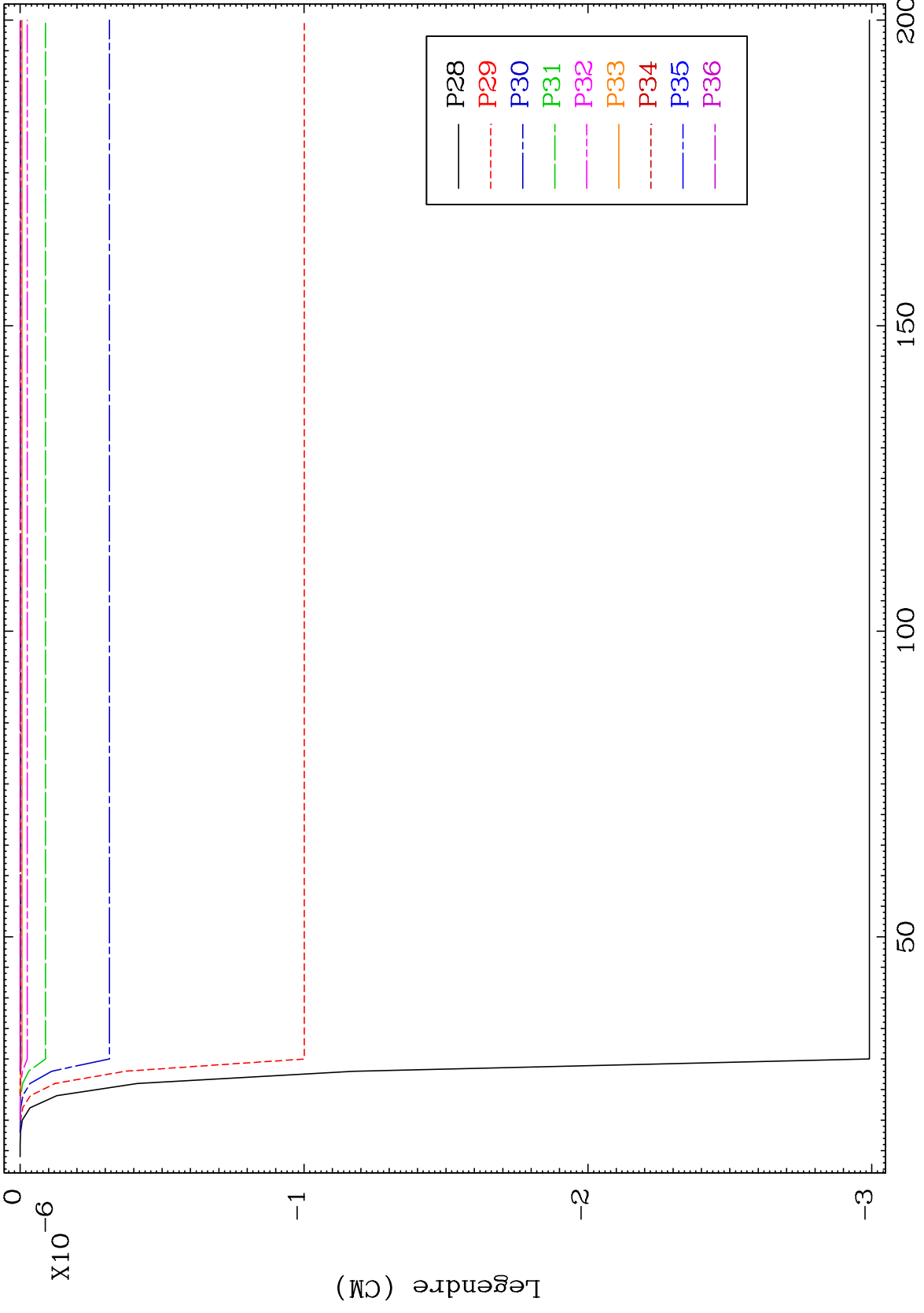
Incident Energy (MeV)

52-Te-124

MAT 5237 MT= 64 (n,n') Level Legendre Coefficients 52-Te-124



MAT 5237 MT= 64 (n,n') Level Legendre Coefficients 52-Te-124

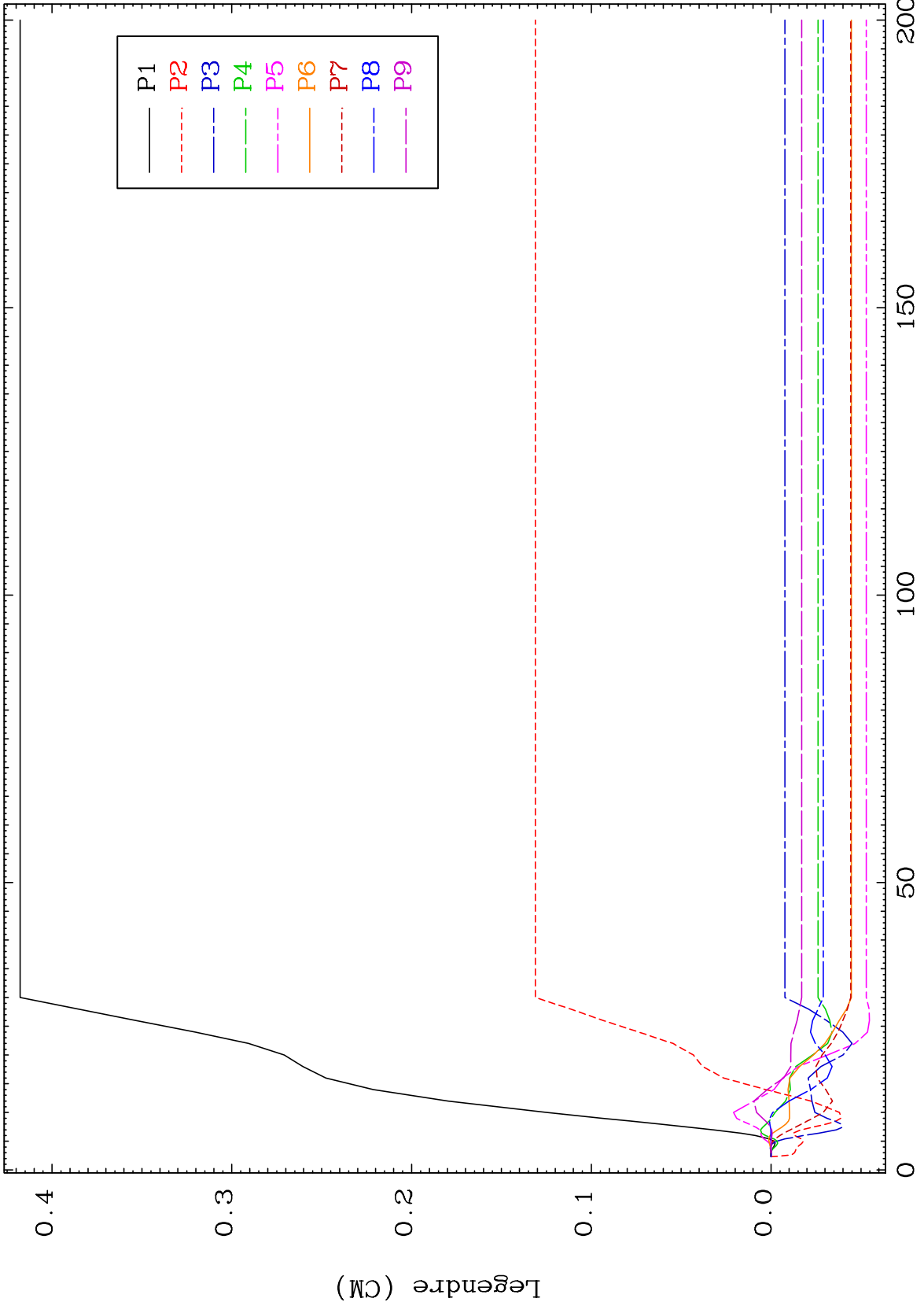


72 Incident Energy (MeV) 52-Te-124

MAT 5237

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

52-Te-124



73

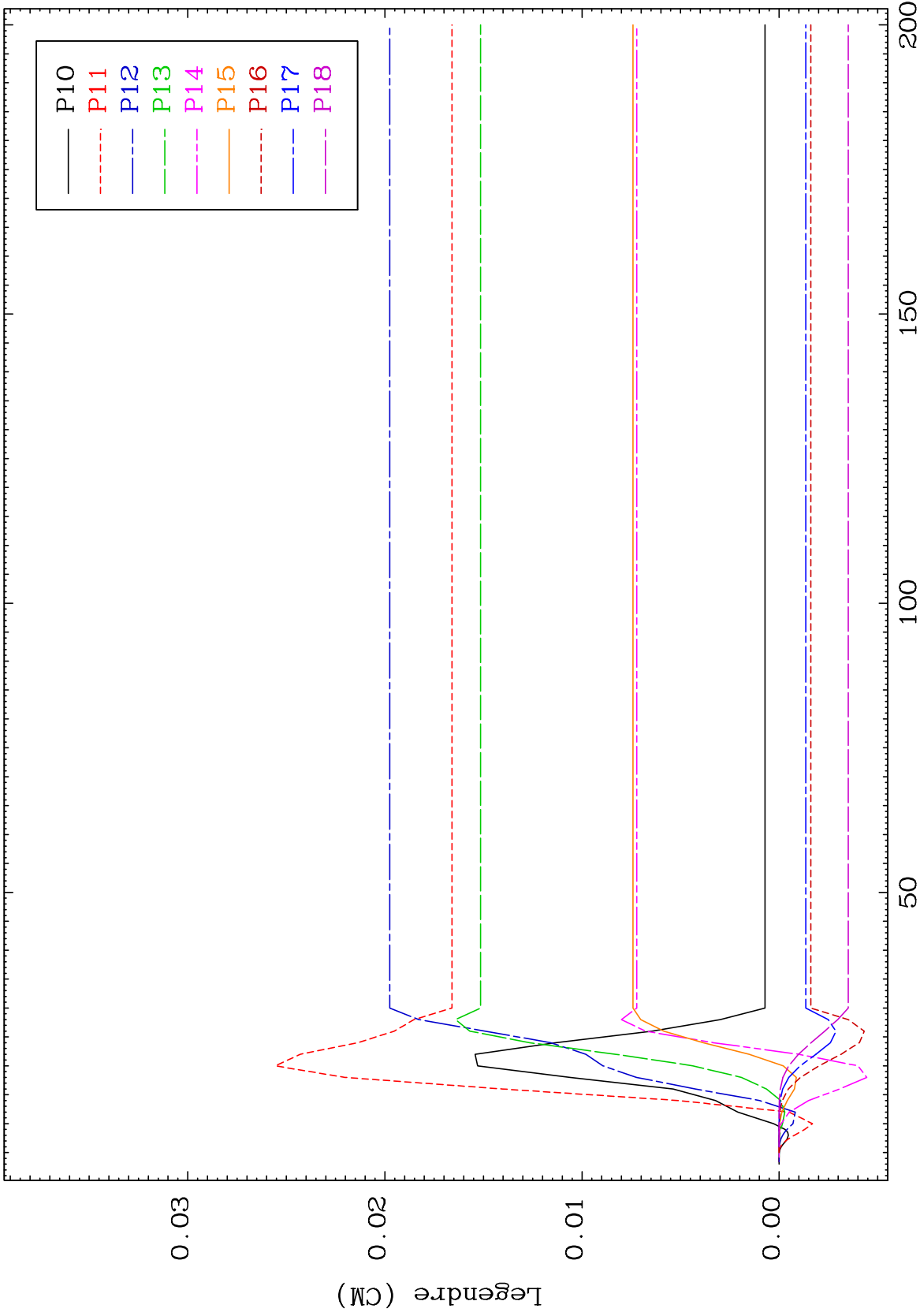
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



74

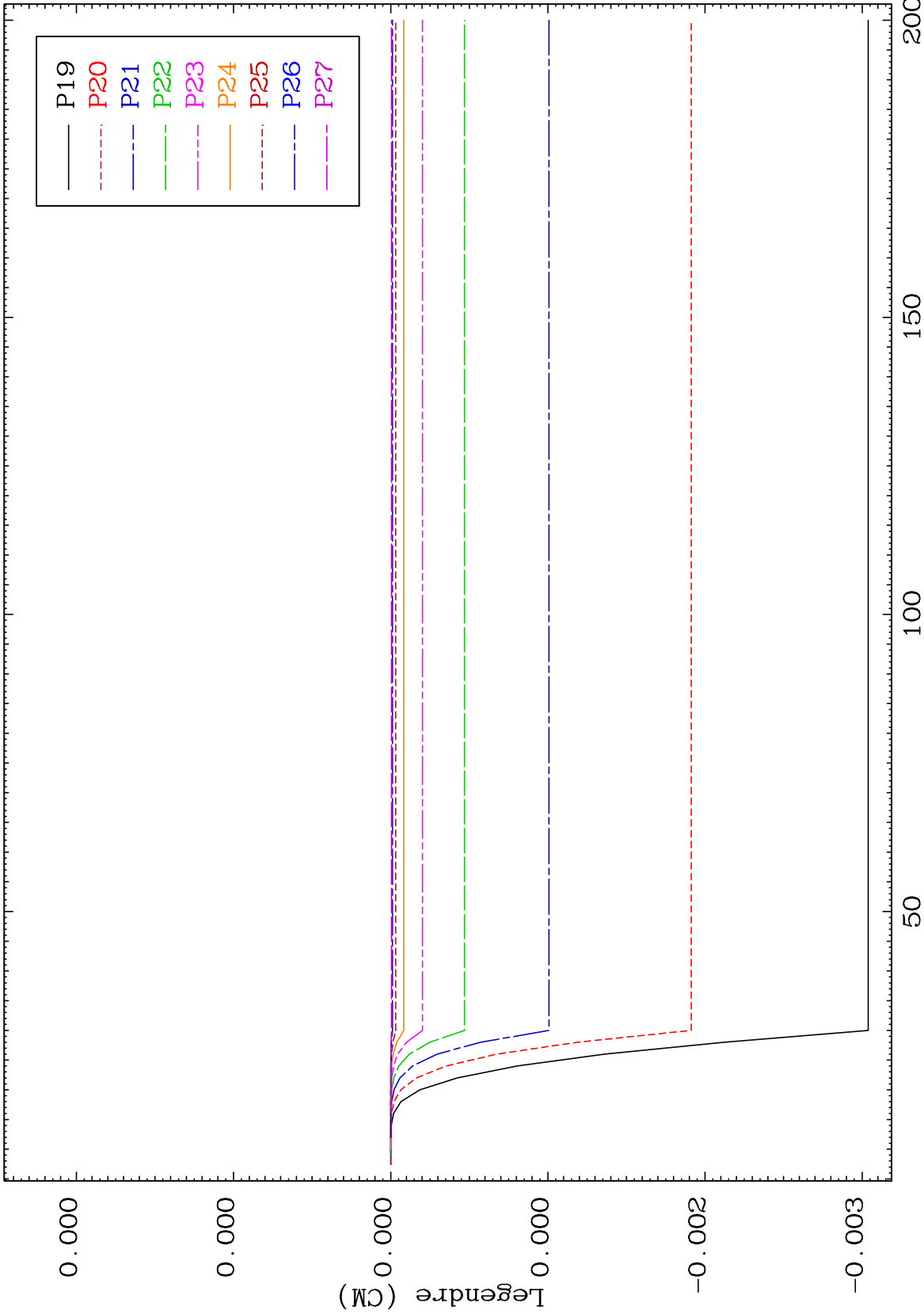
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124

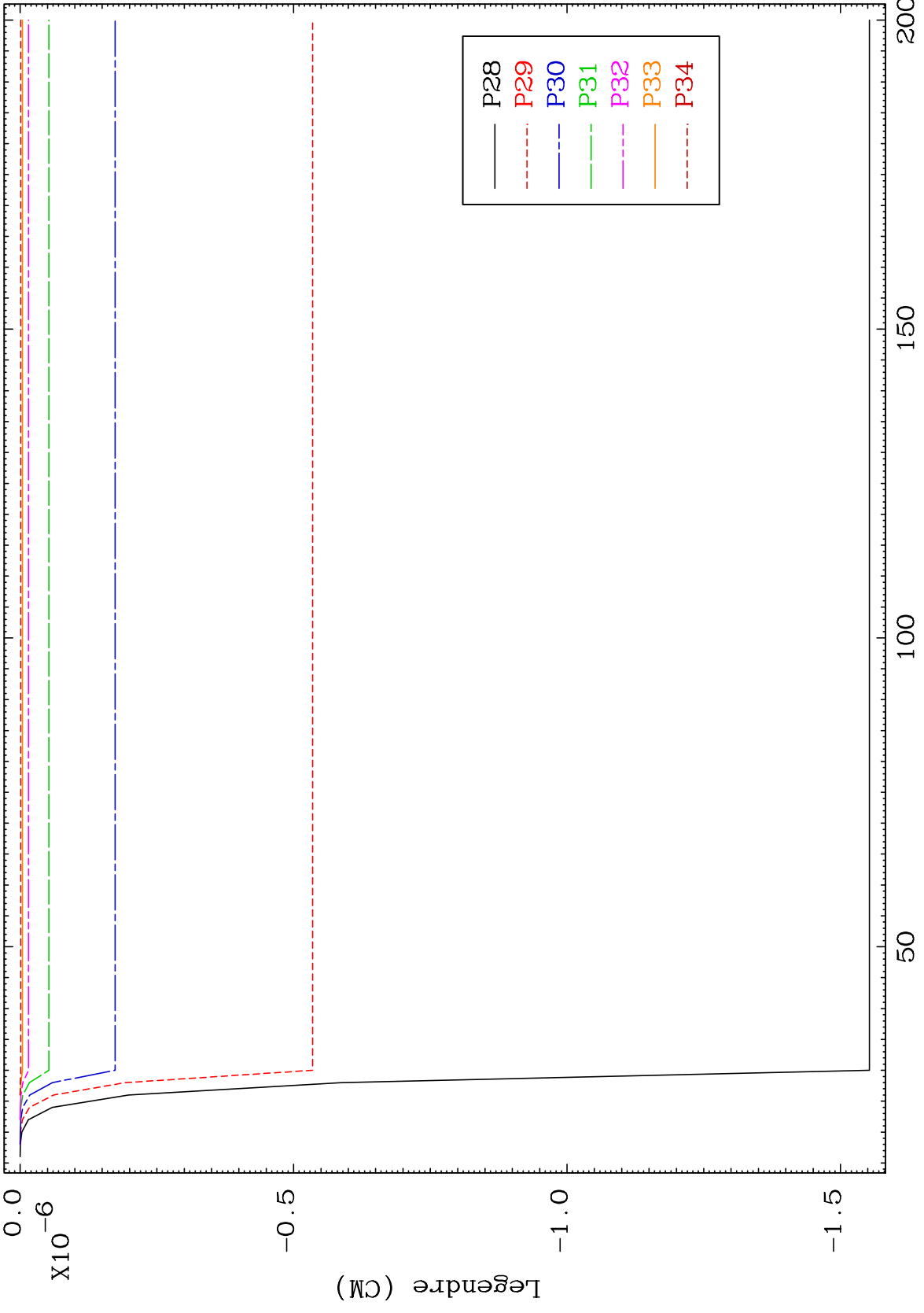


75

Incident Energy (MeV)

52-Te-124

MAT 5237 MT= 65 (n,n') Level Legendre Coefficients 52-Te-124

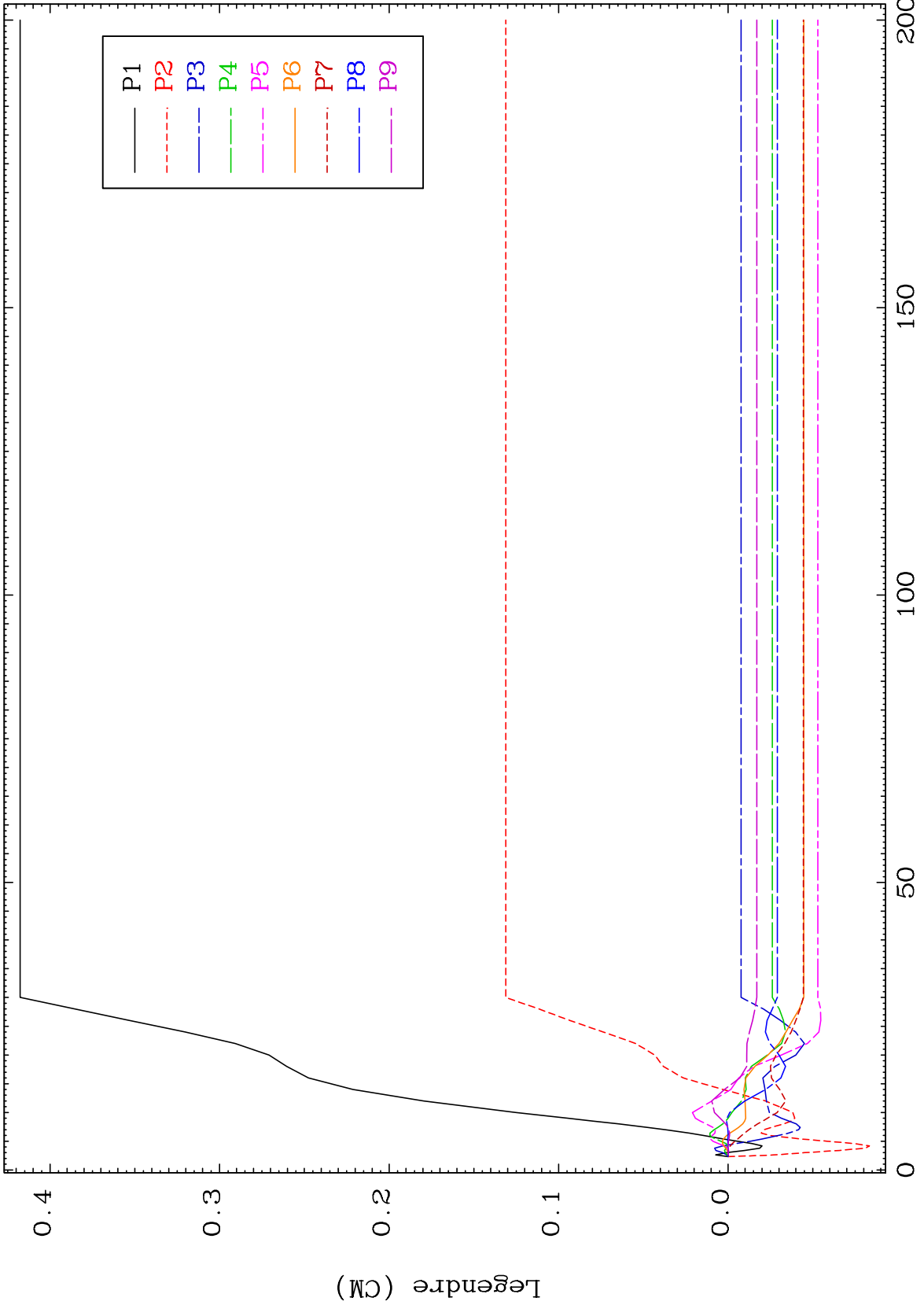


76 Incident Energy (MeV) 52-Te-124

MAT 5237

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

52-Te-124



77

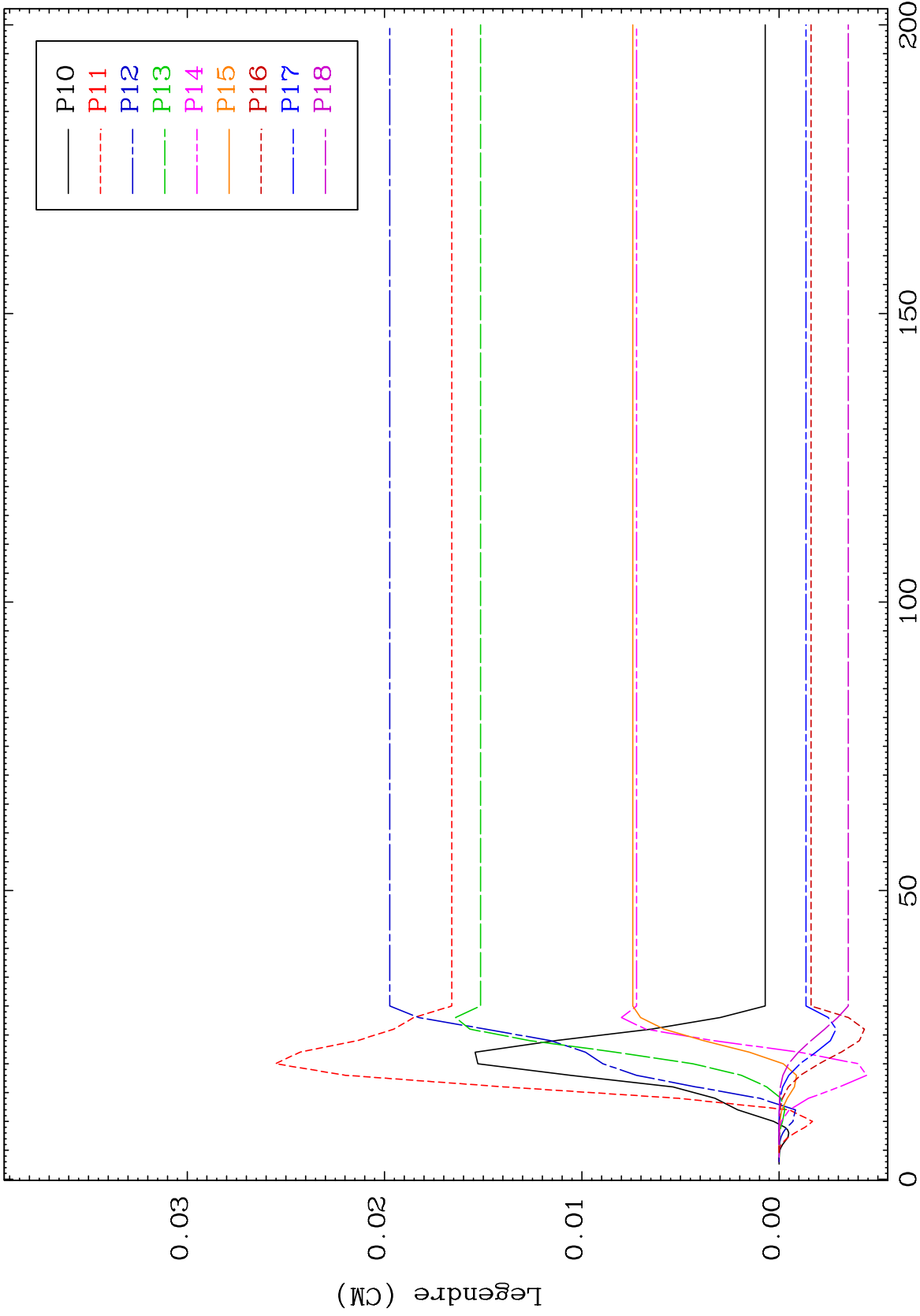
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



78

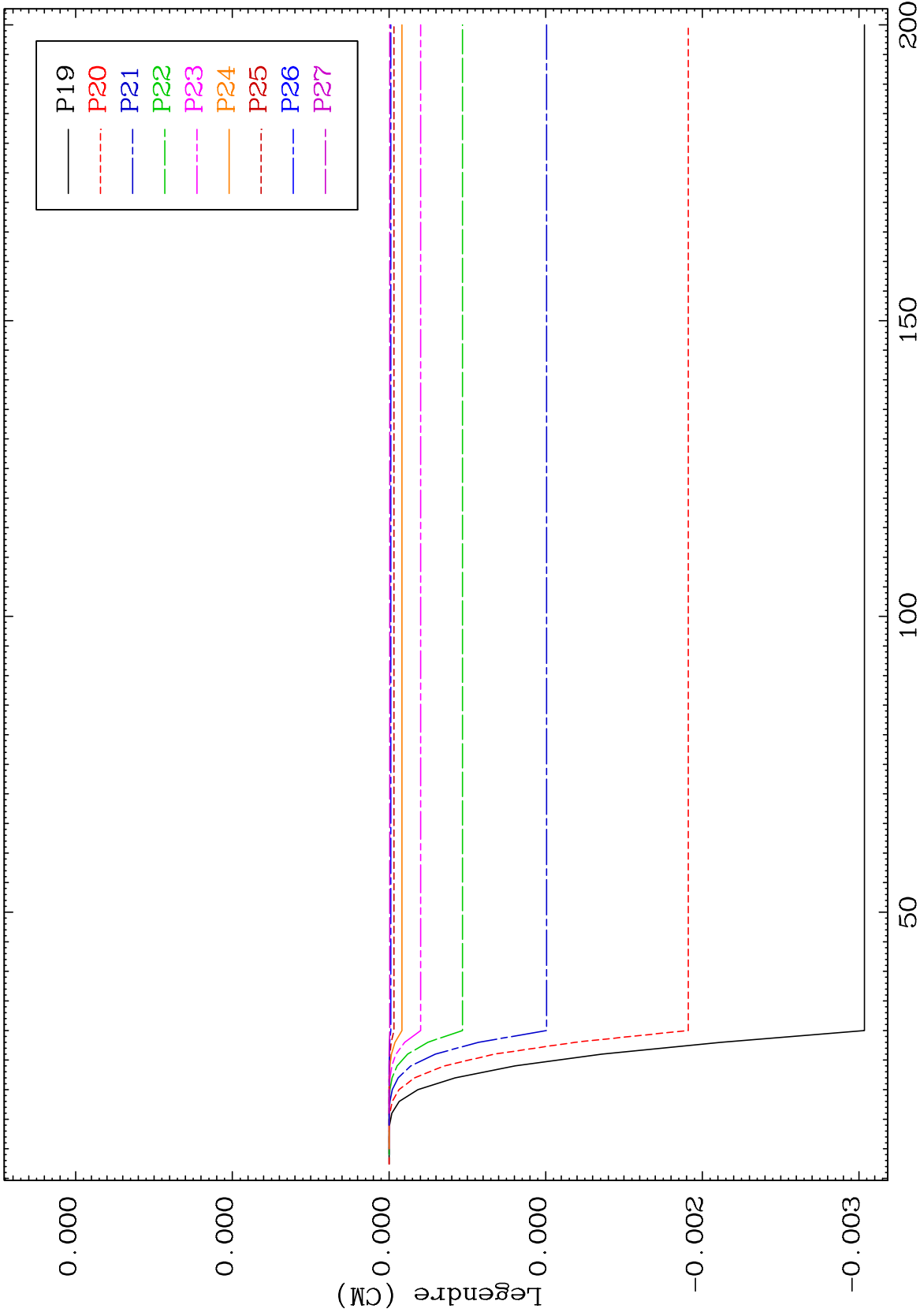
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124

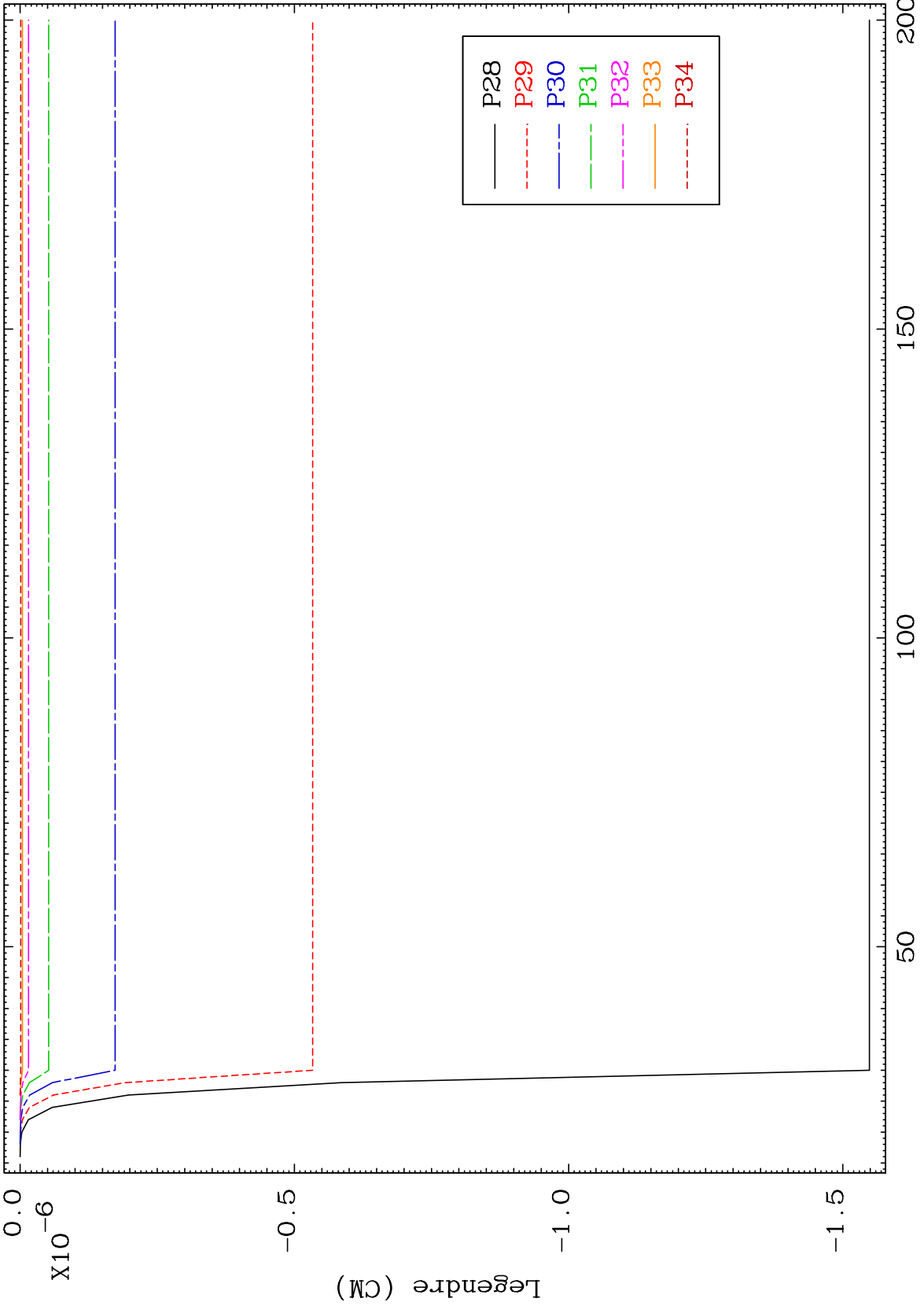


79

Incident Energy (MeV)

52-Te-124

MAT 5237 MT= 66 (n,n') Level Legendre Coefficients 52-Te-124

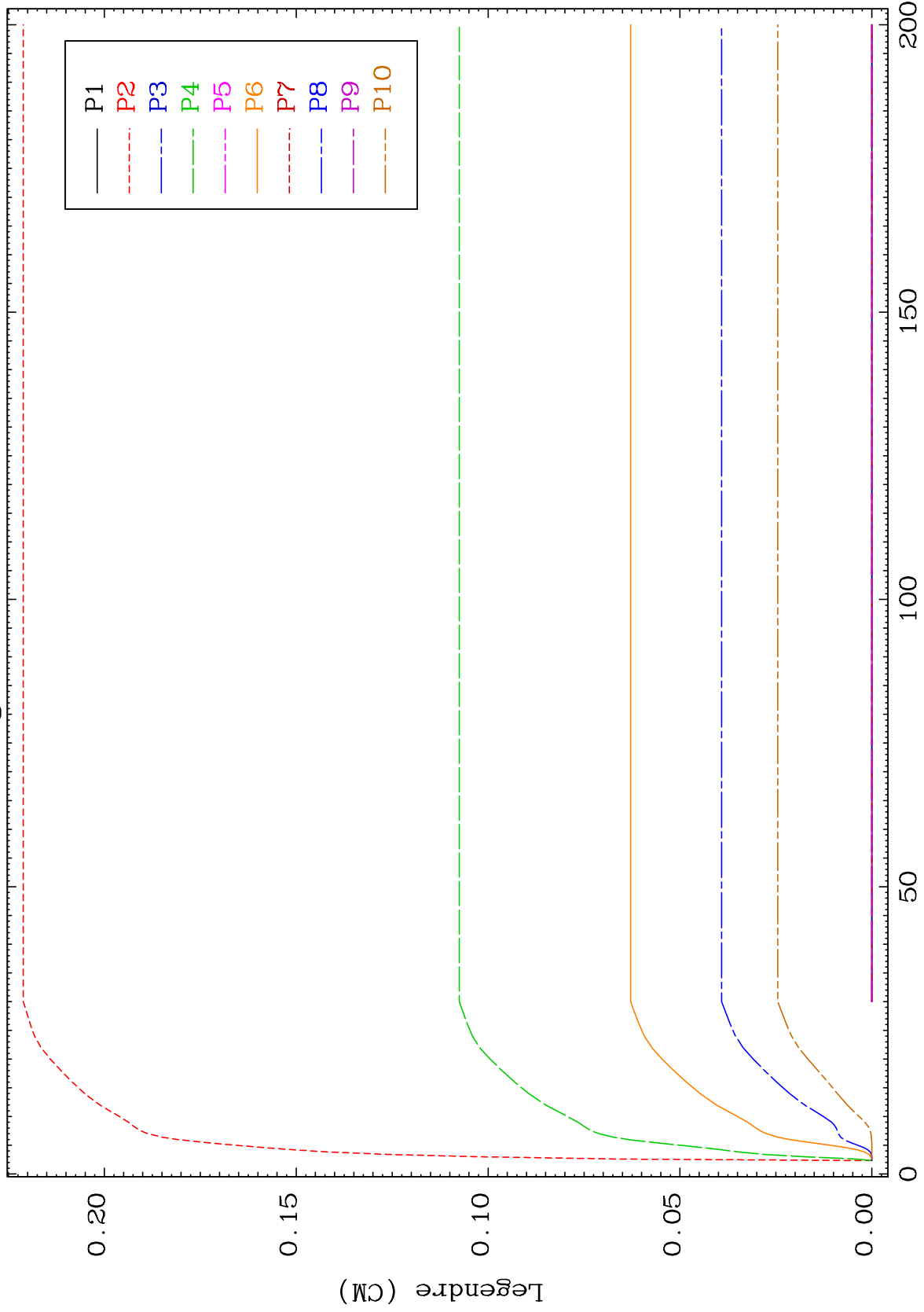


80 50 100 150 200 Incident Energy (MeV) 52-Te-124

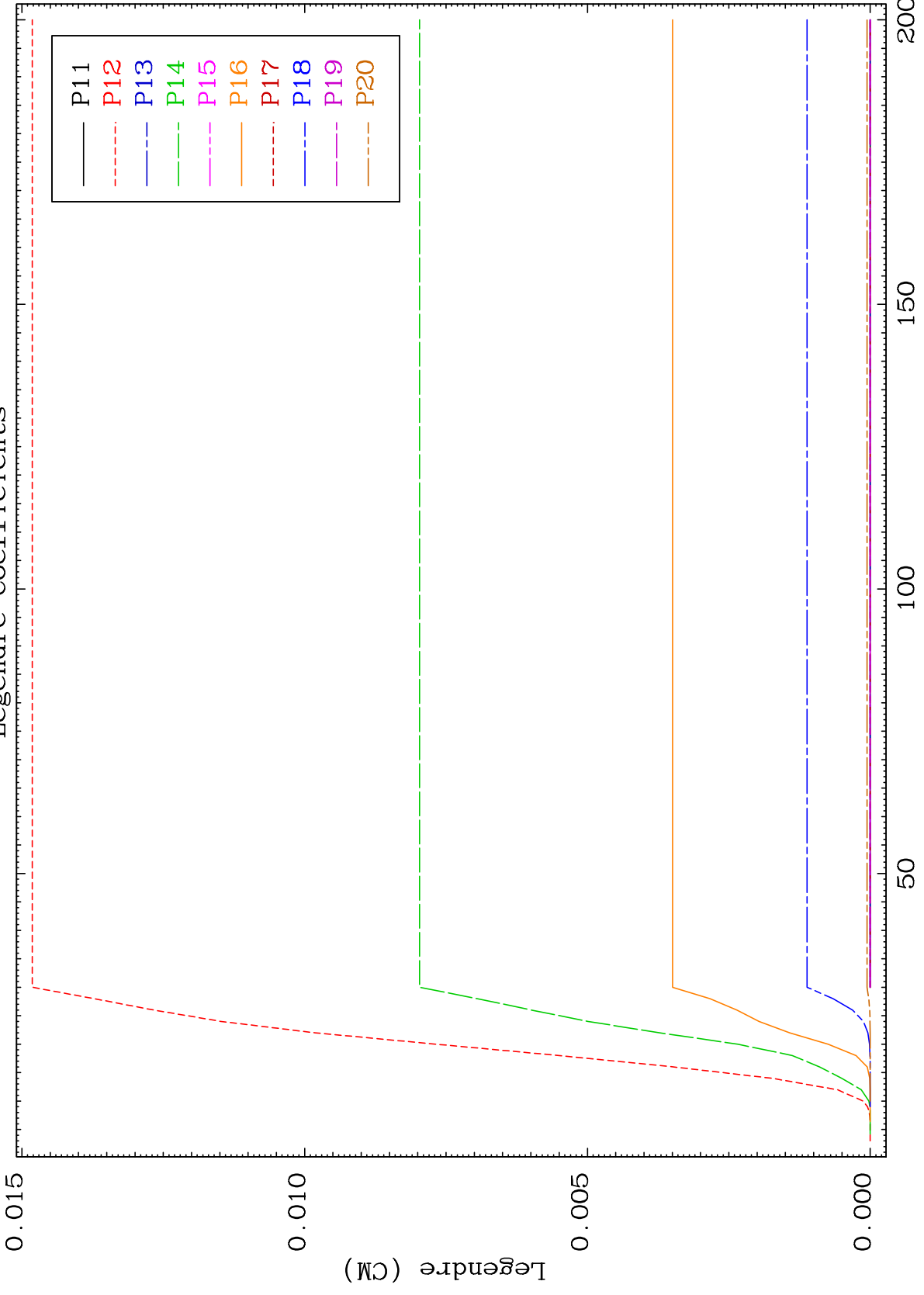
MAT 5237

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

52-Te-124



MAT 5237 MT= 67 (n,n') Level Legendre Coefficients 52-Te-124



82

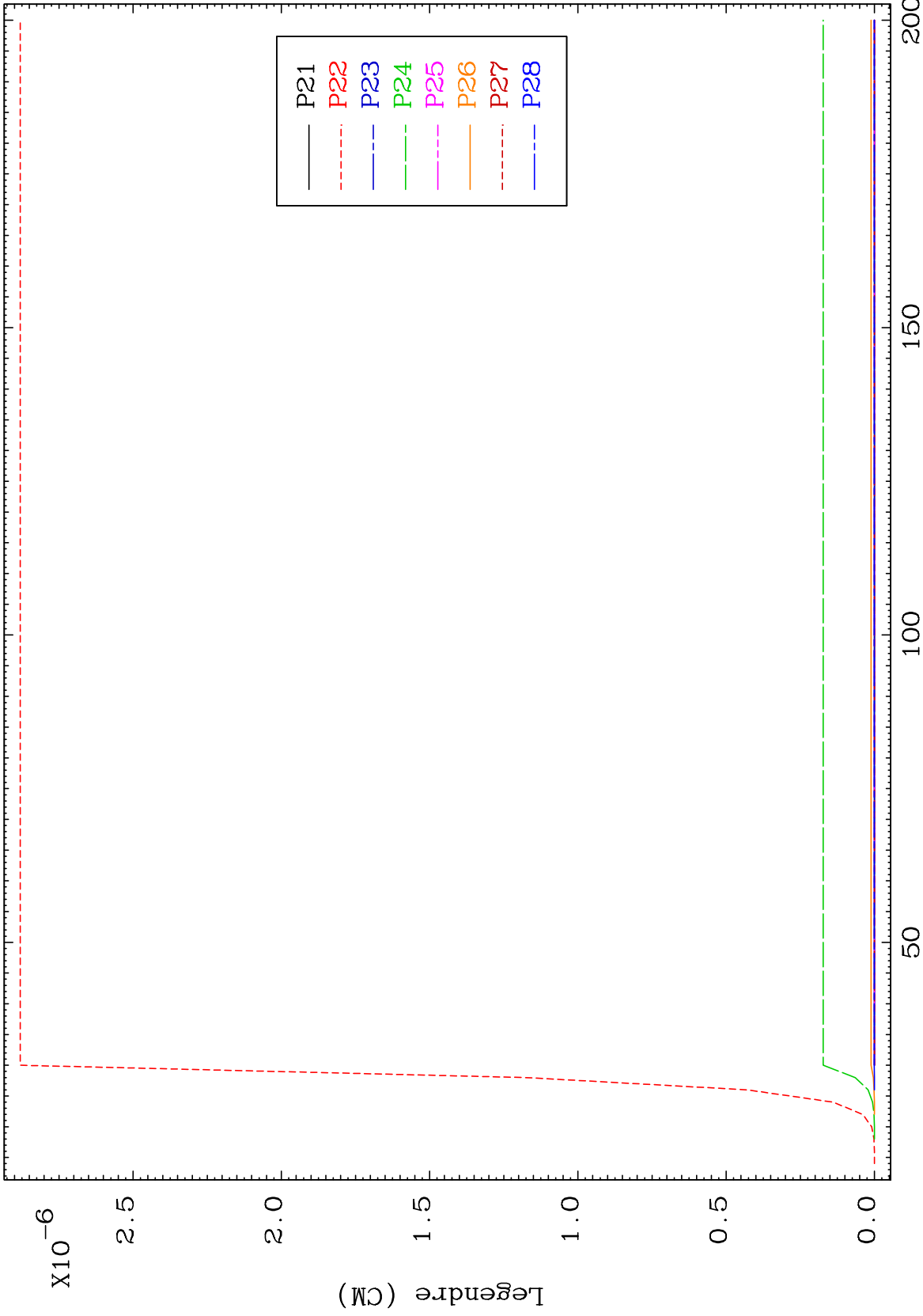
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124

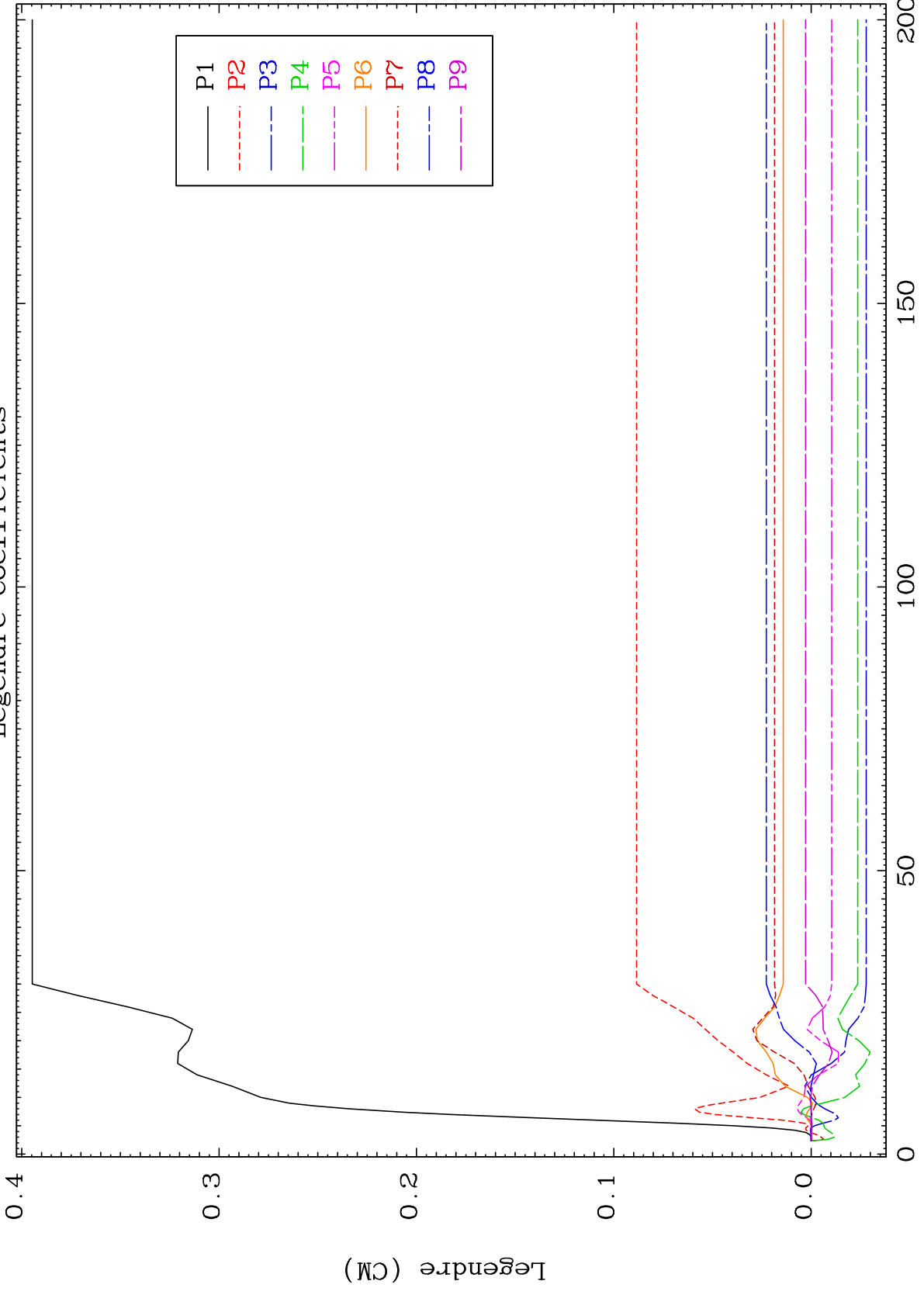


83

Incident Energy (MeV)

52-Te-124

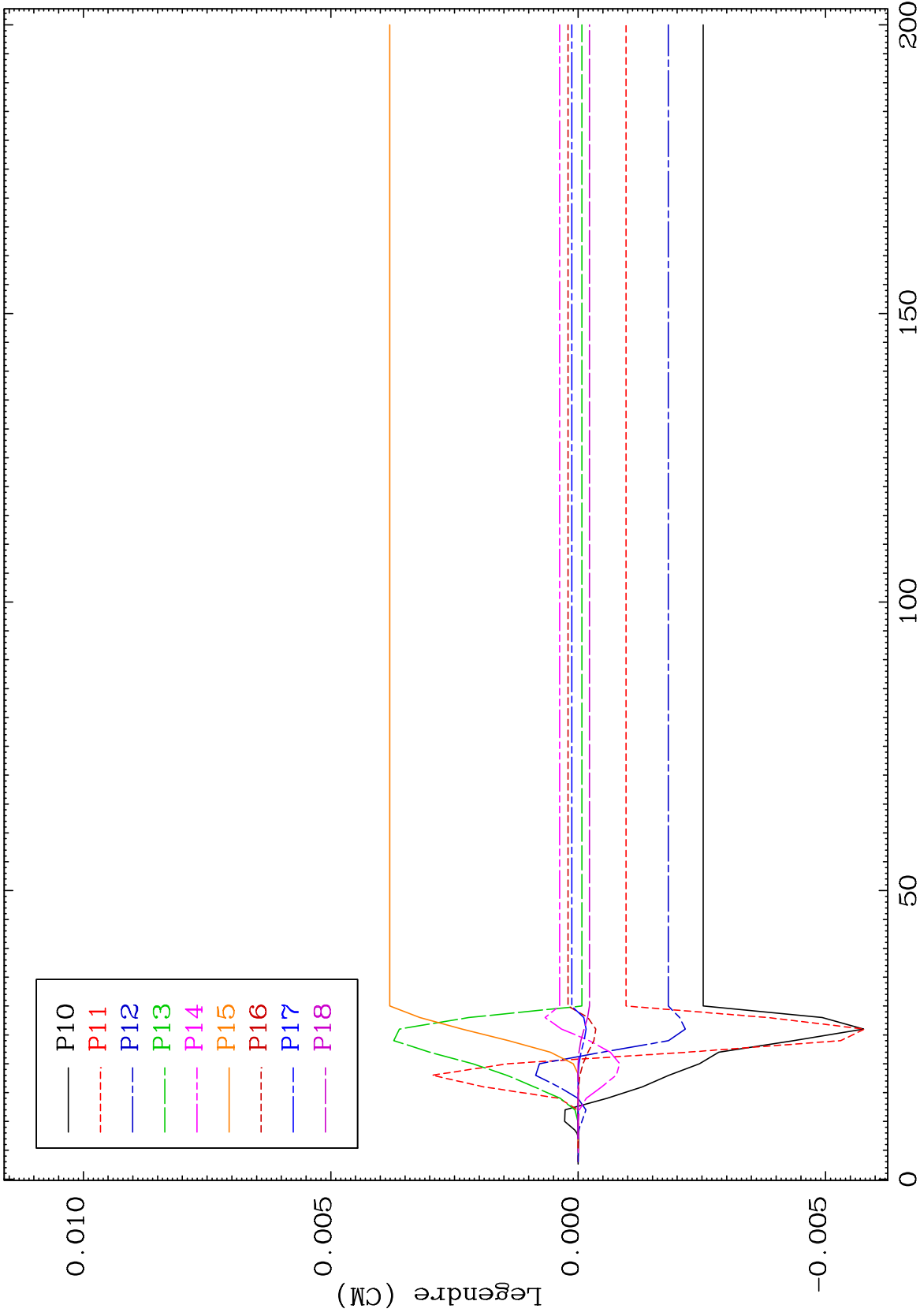
MAT 5237 MT= 68 (n,n') Level Legendre Coefficients 52-Te-124



MAT 5237

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

52-Te-124

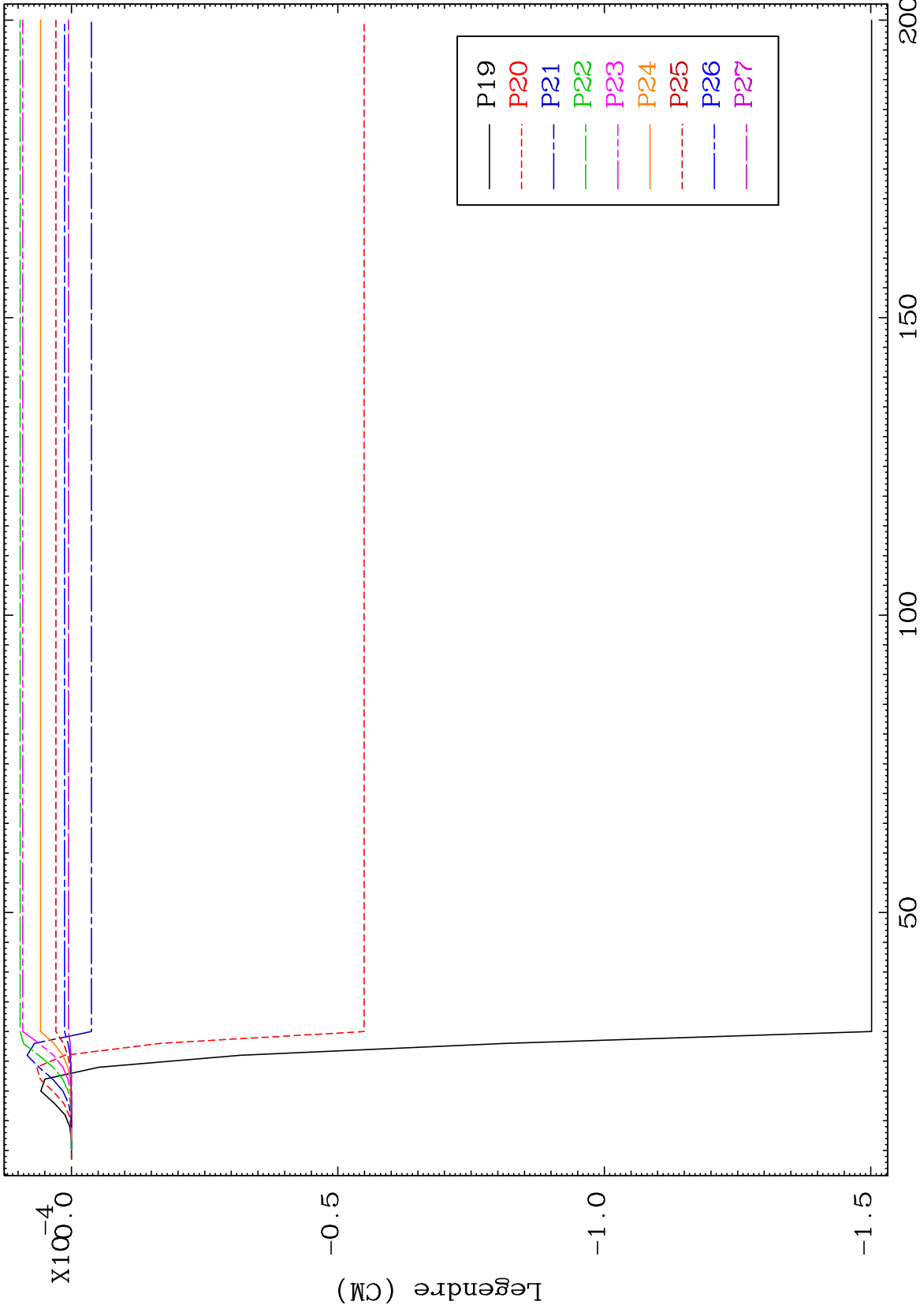


85

Incident Energy (MeV)

52-Te-124

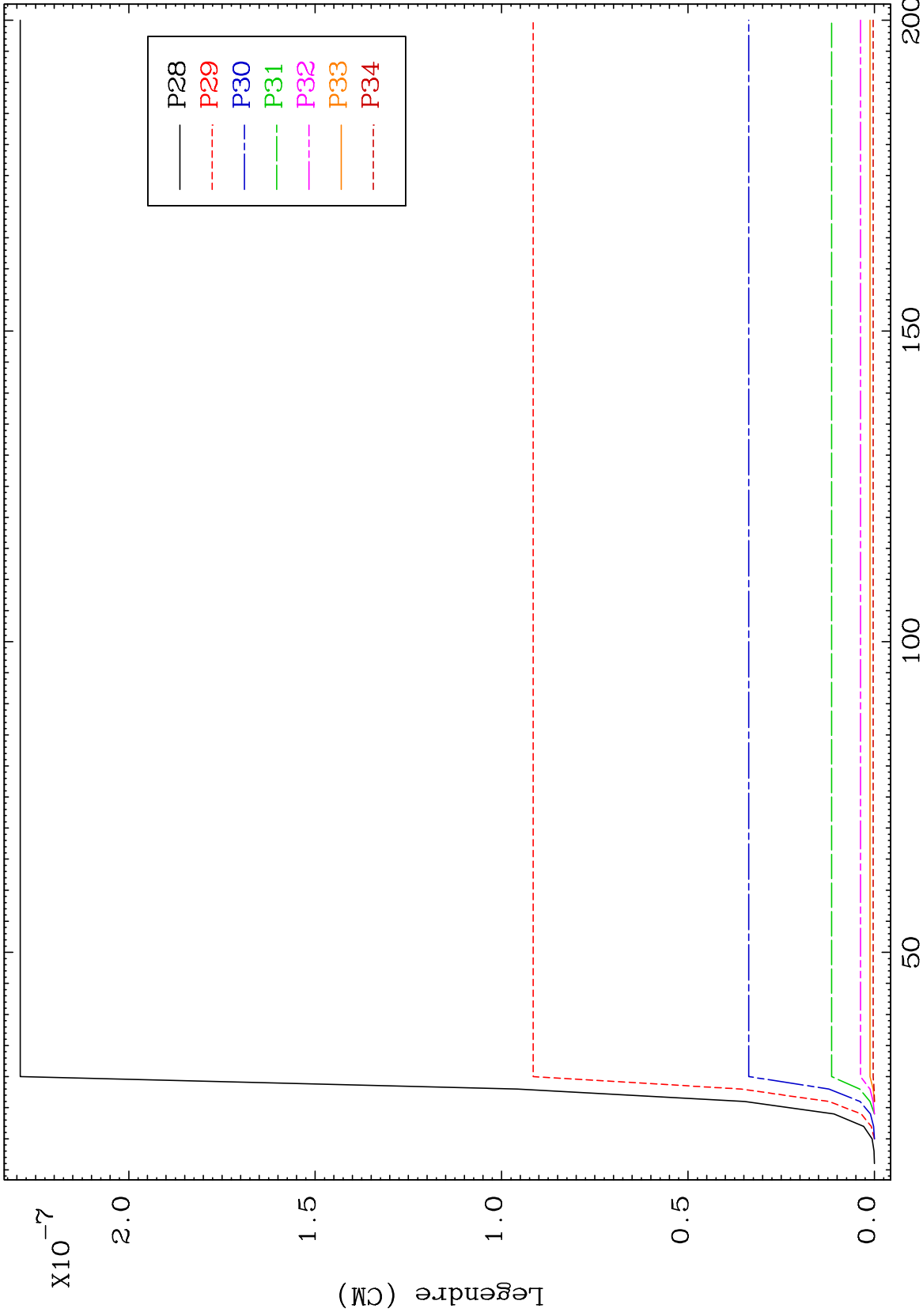
MAT 5237 MT= 68 (n,n') Level Legendre Coefficients 52-Te-124



MAT 5237

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

52-Te-124



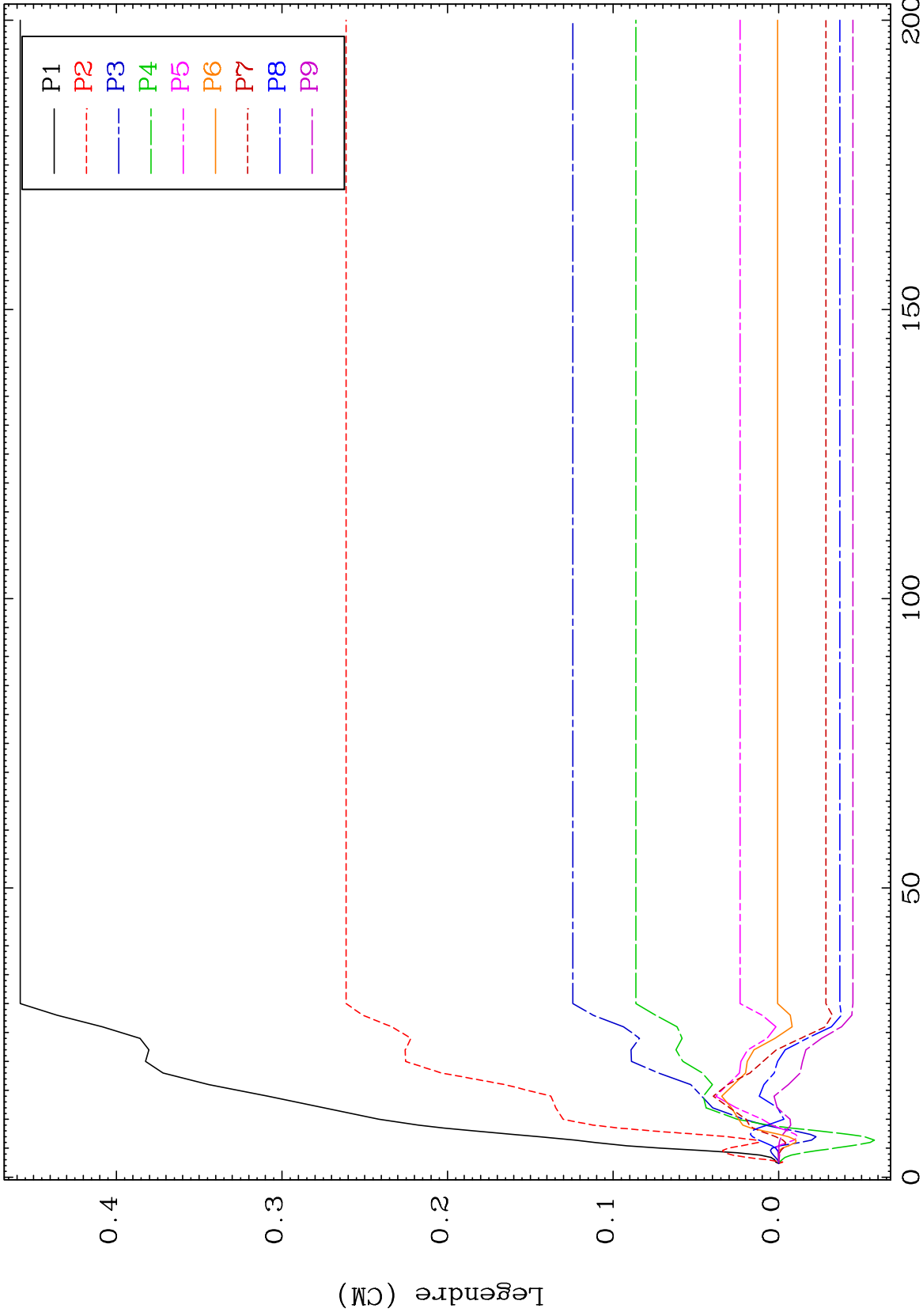
87

52-Te-124

MAT 5237

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

52-Te-124



88

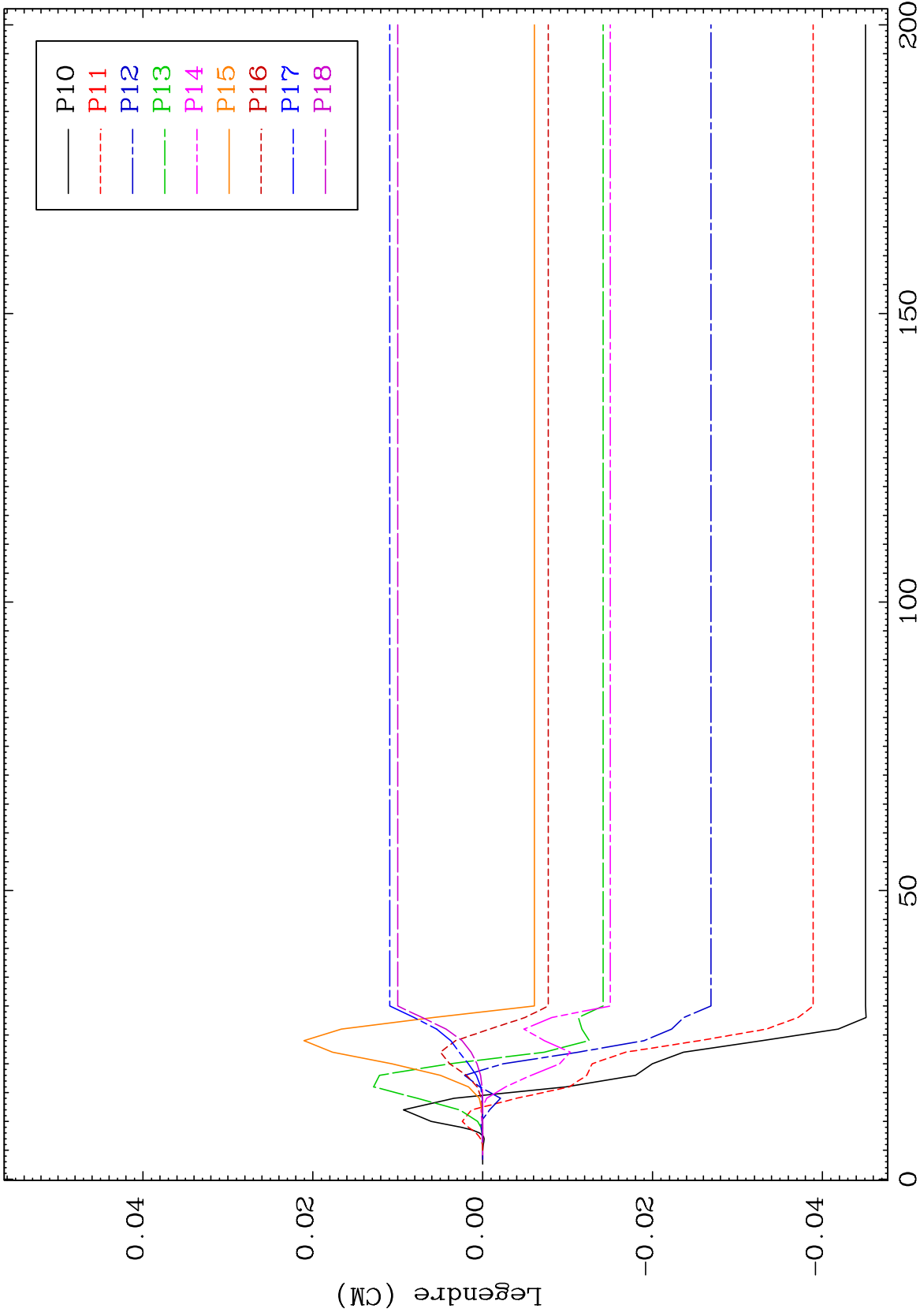
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



89

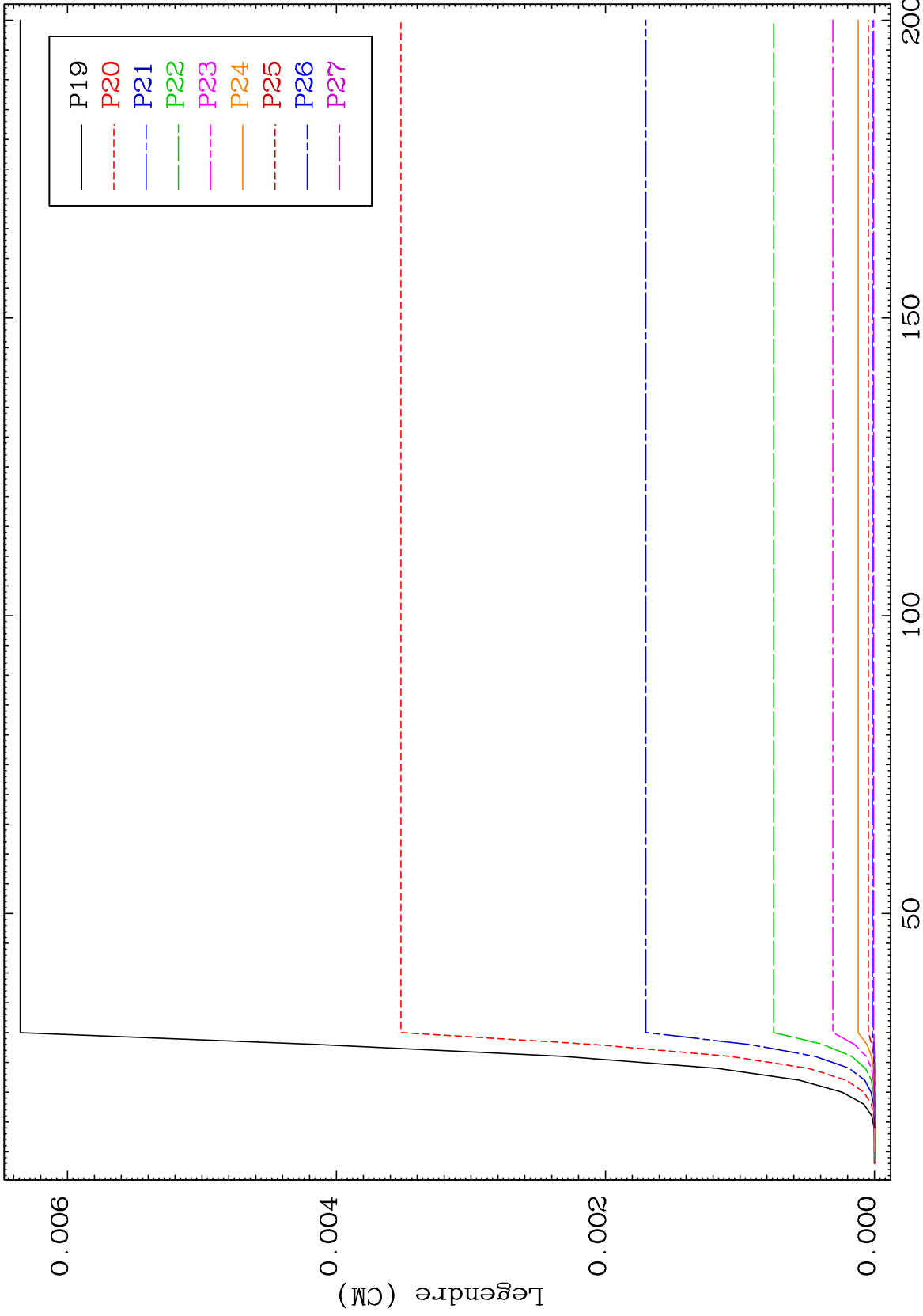
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



90

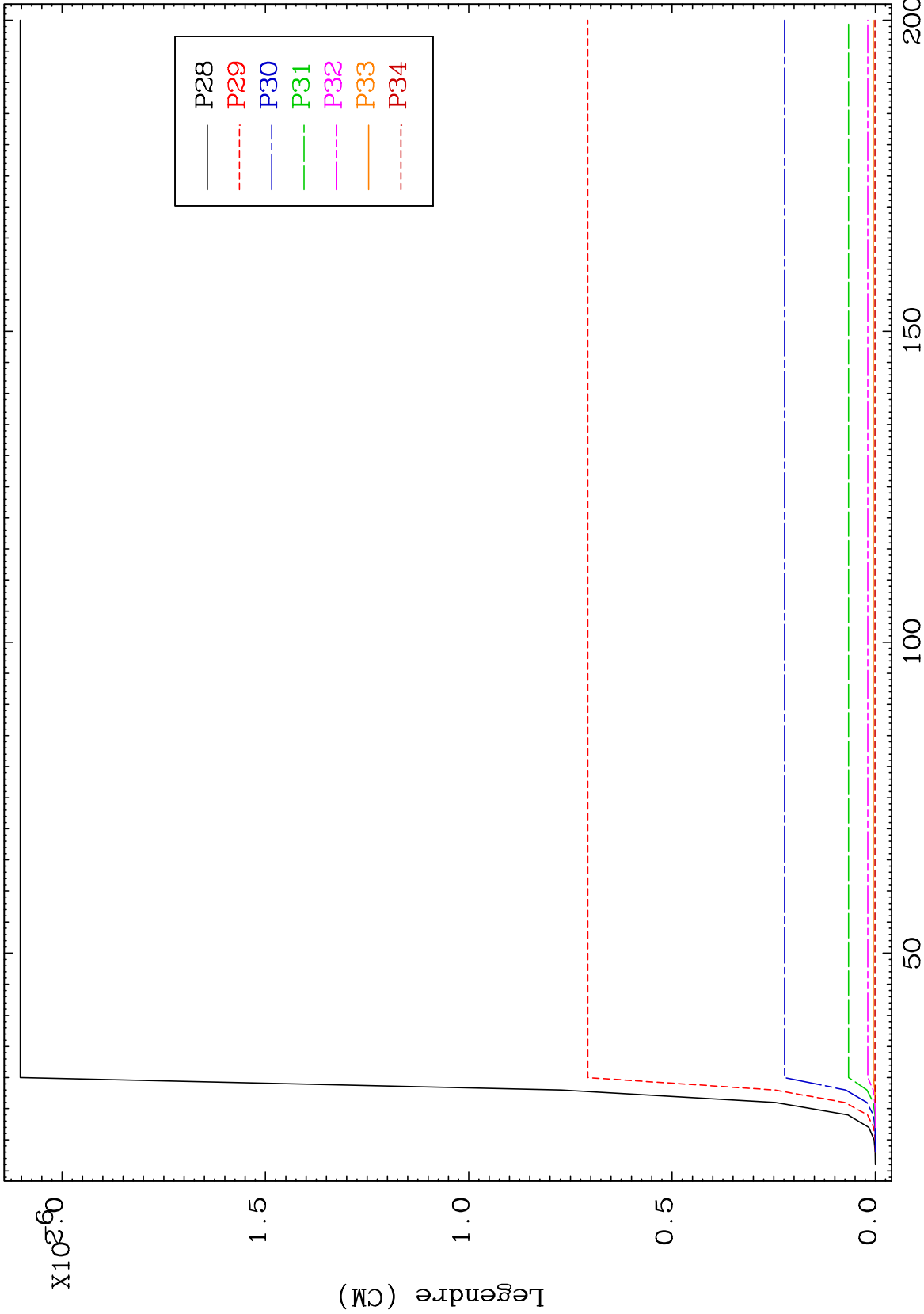
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



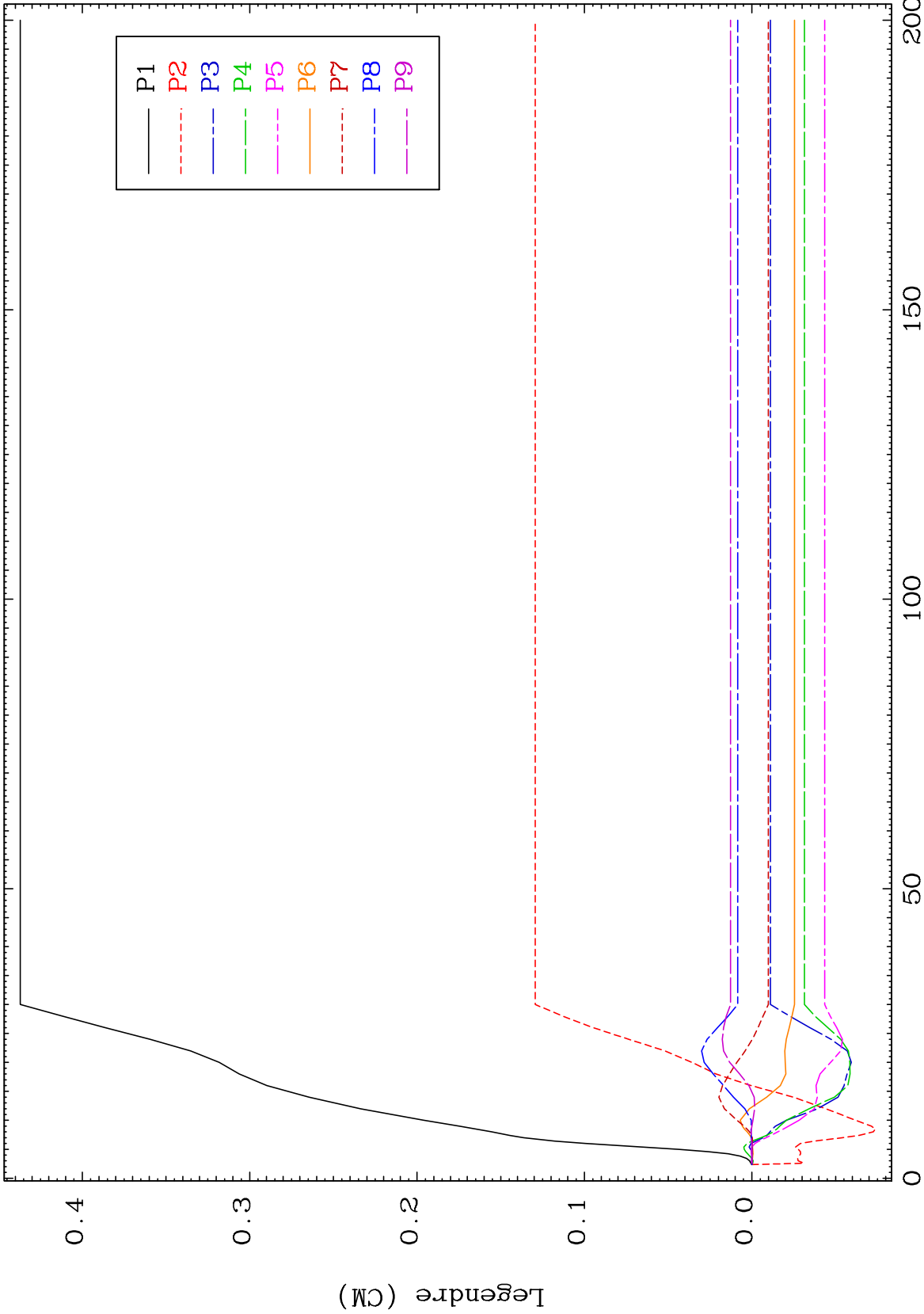
91

52-Te-124

MAT 5237

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

52-Te-124



92

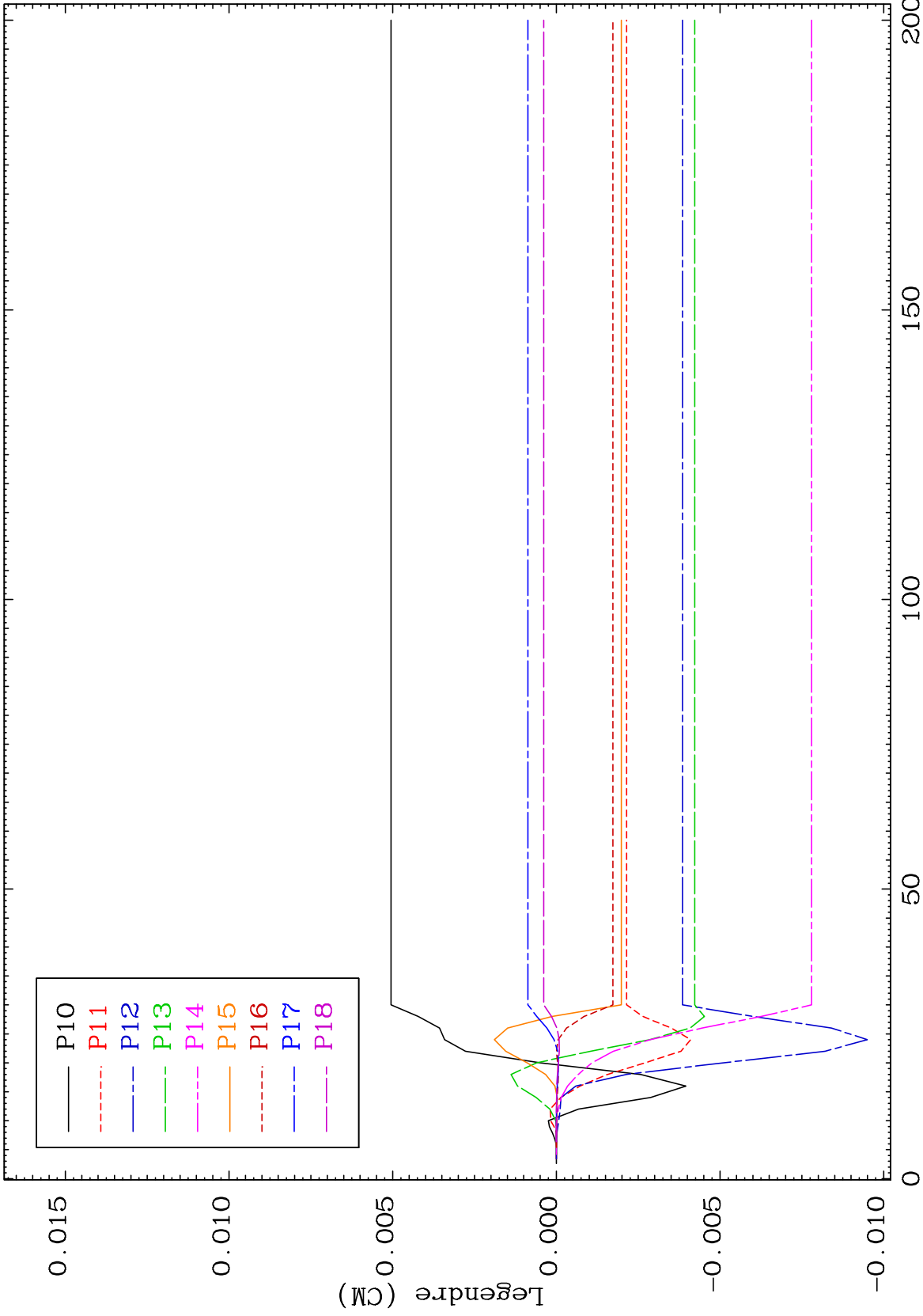
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



93

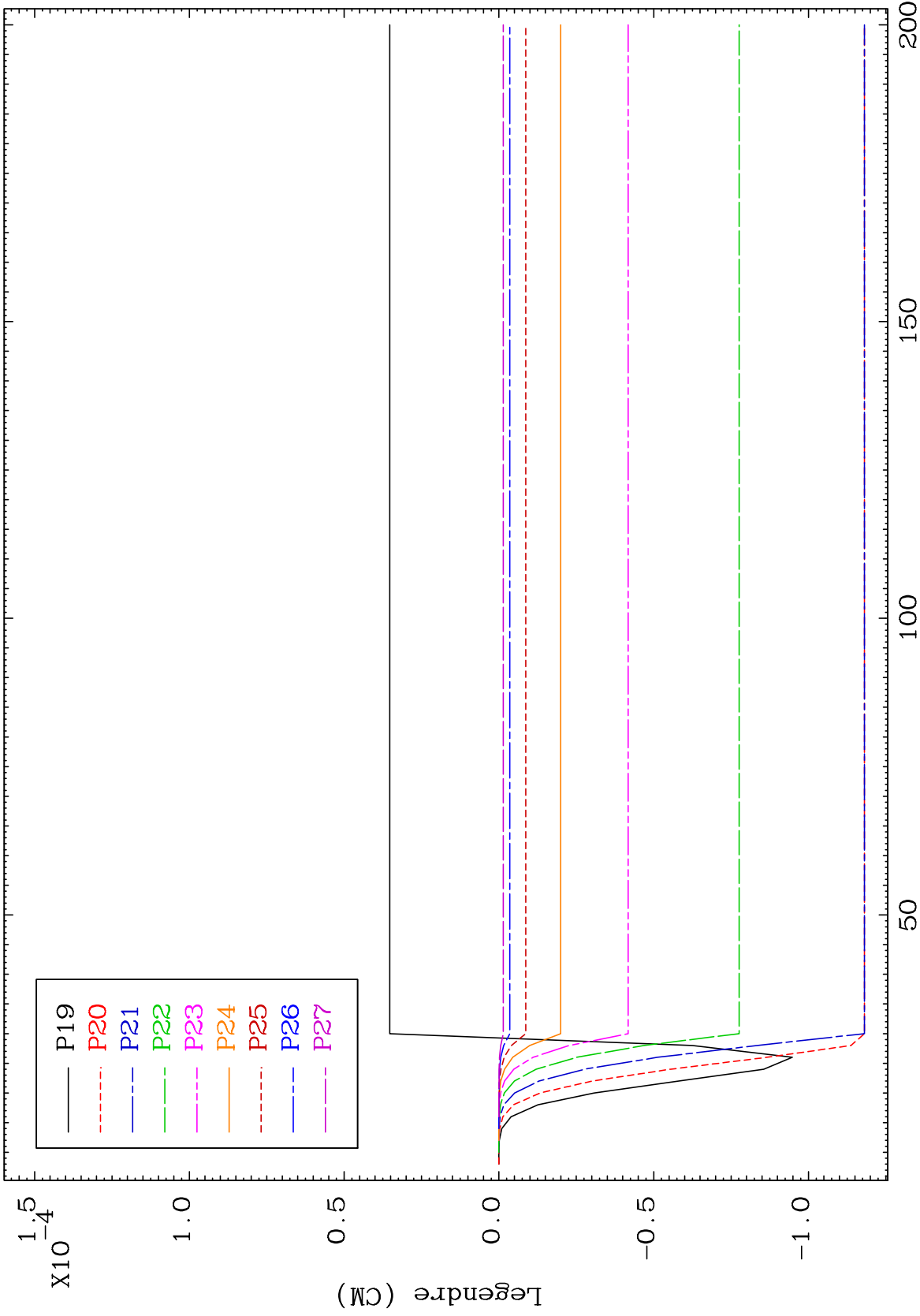
Incident Energy (MeV)

52-Te-124

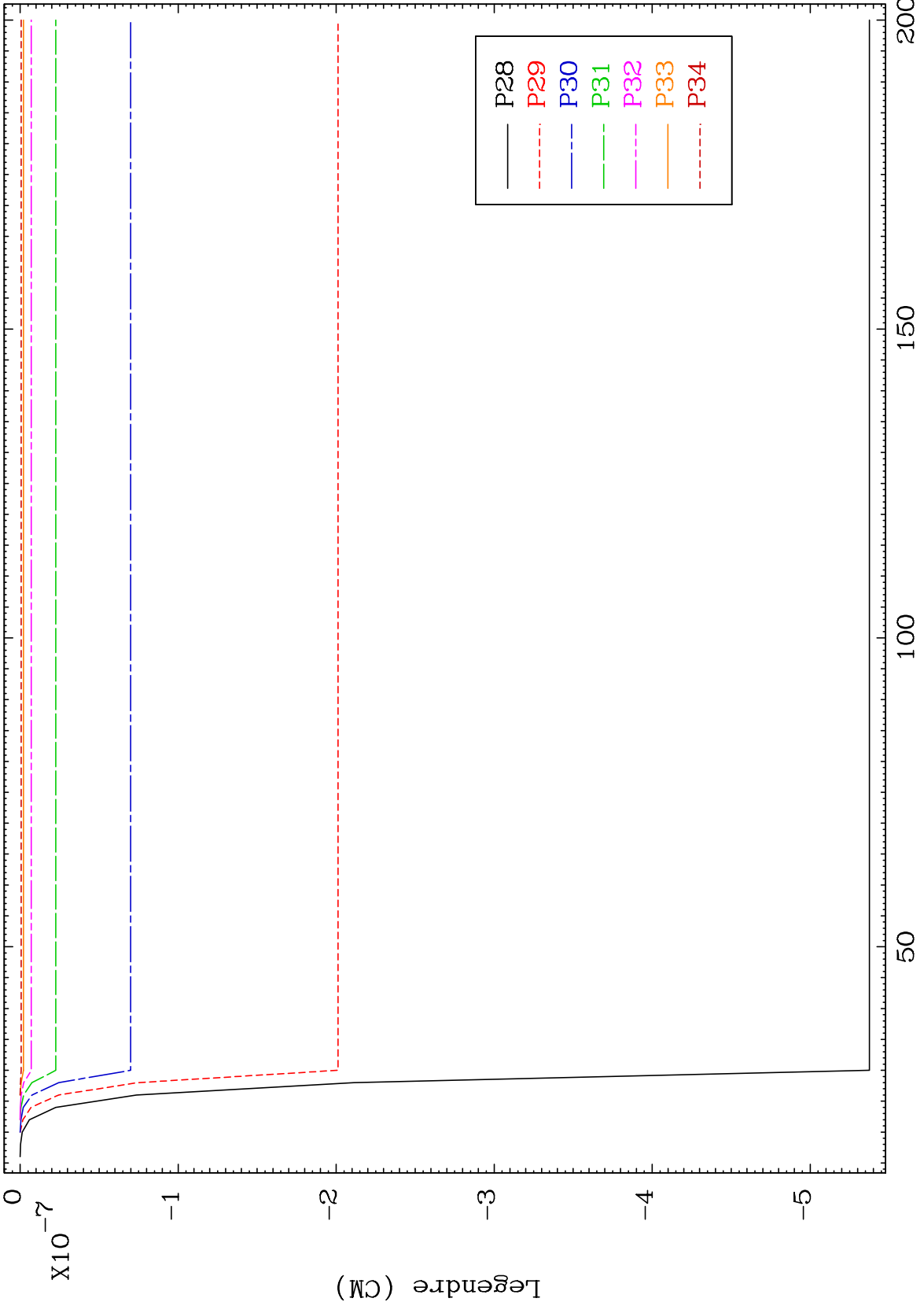
MAT 5237

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

52-Te-124



MAT 5237 MT= 70 (n,n') Level Legendre Coefficients 52-Te-124

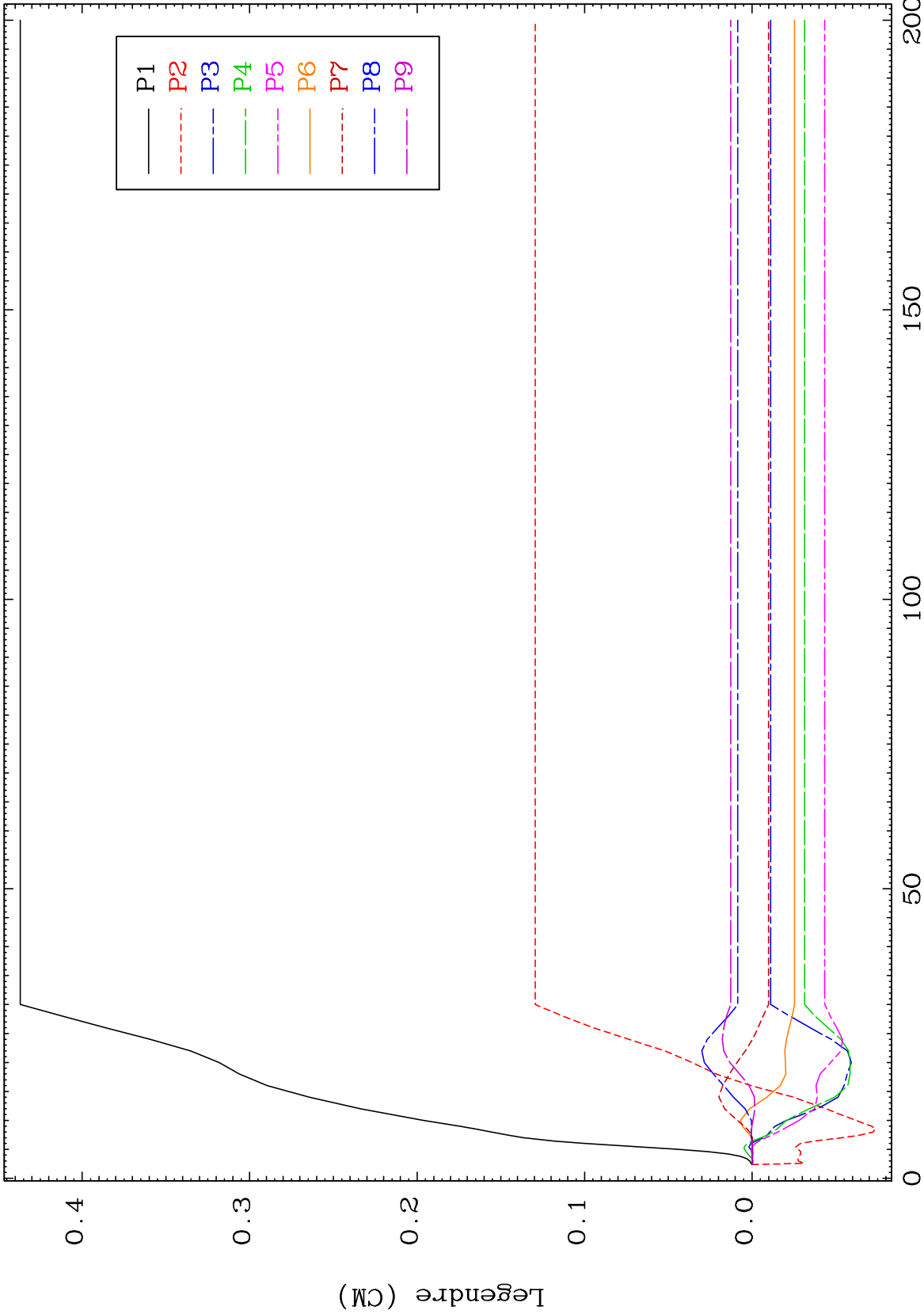


95 50 100 150 200 52-Te-124

MAT 5237

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

52-Te-124



96

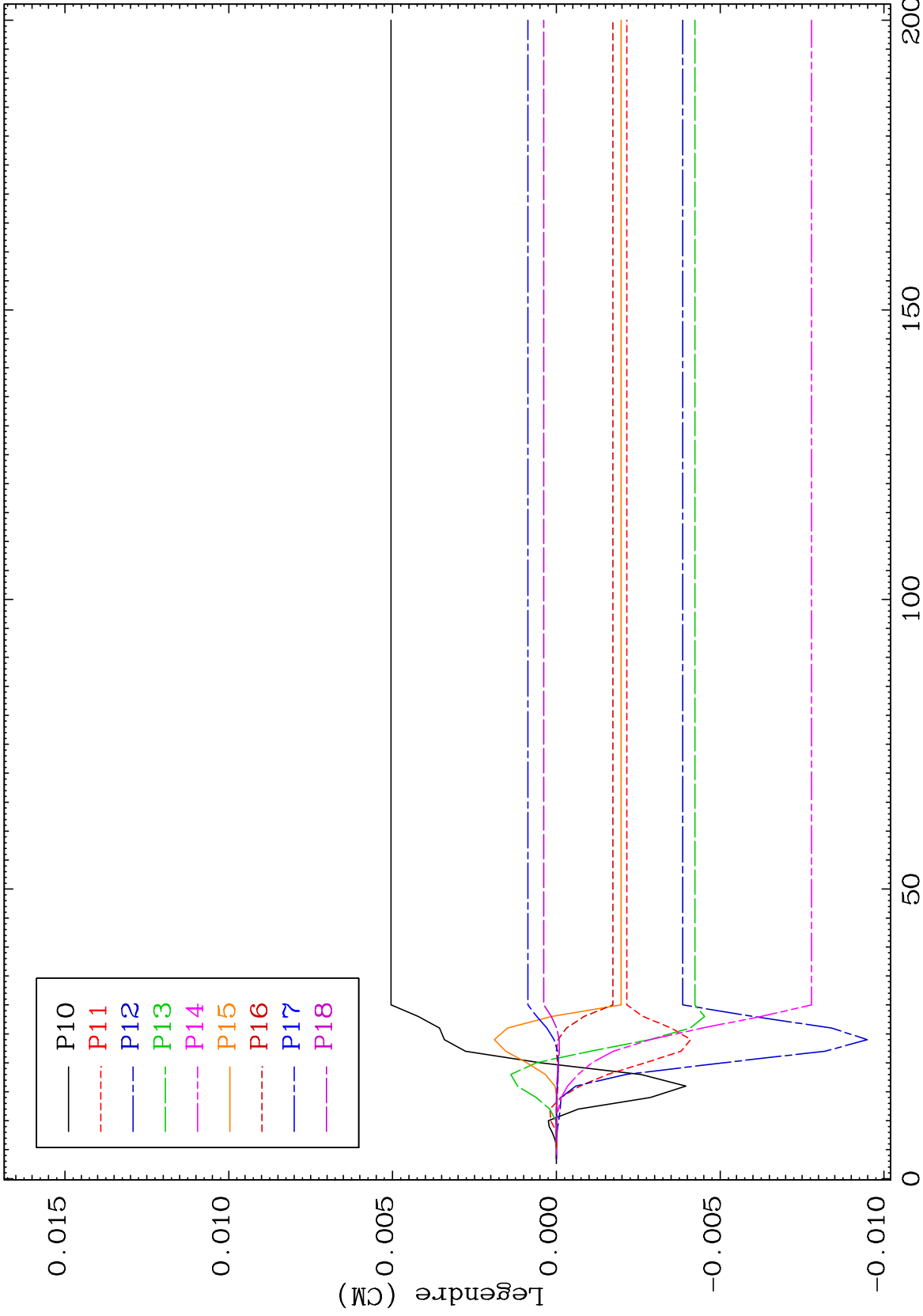
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



97

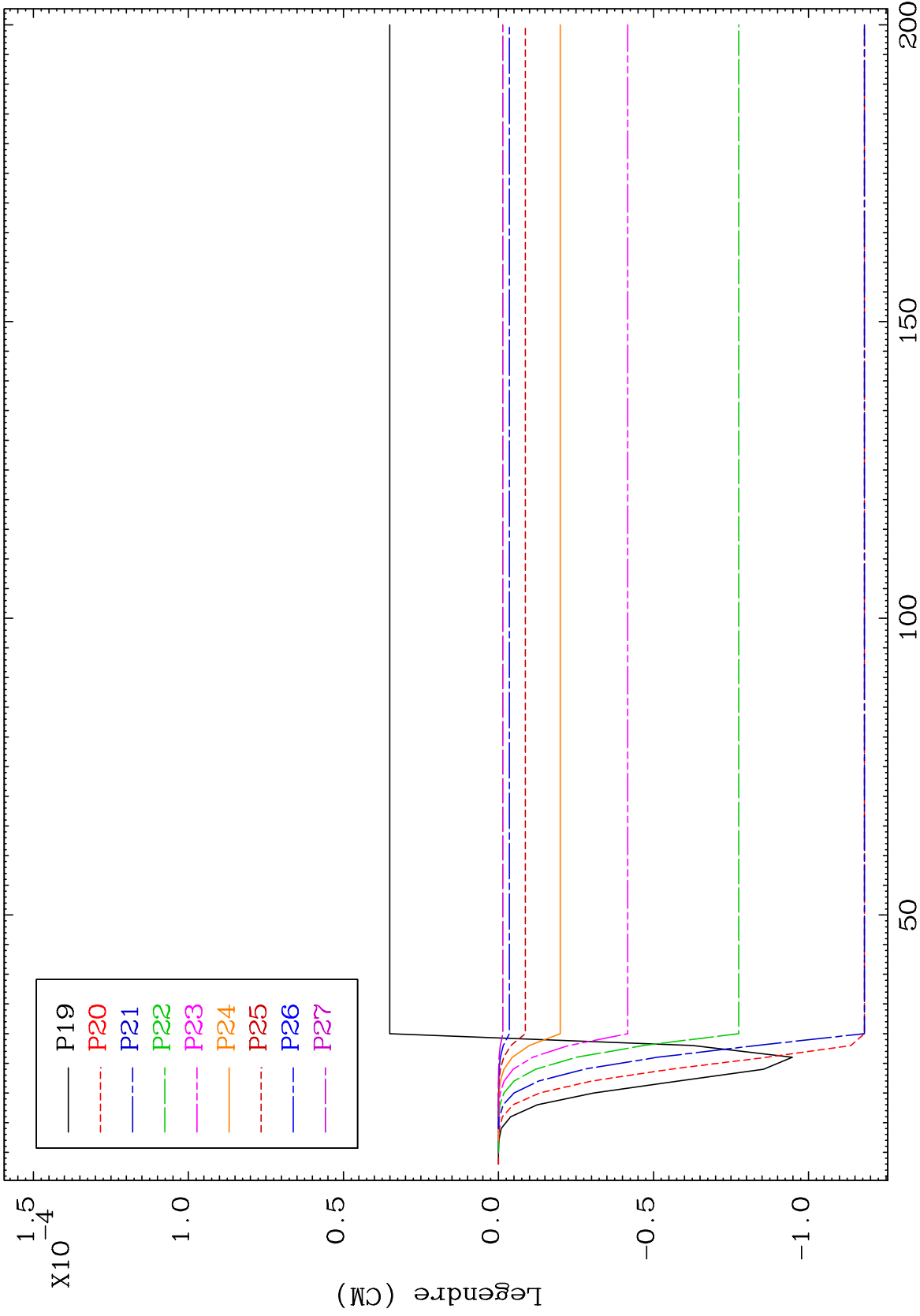
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124

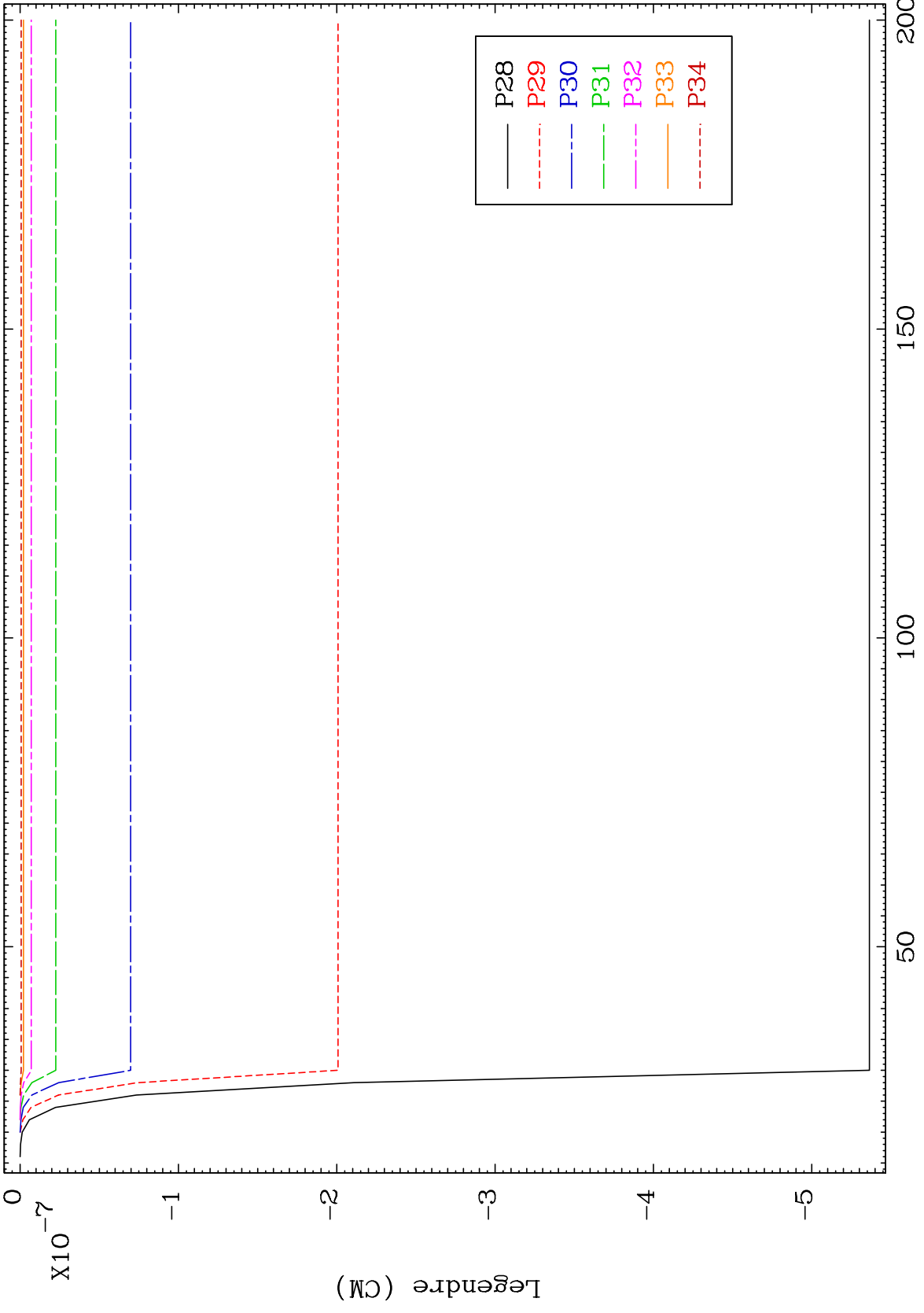


98

Incident Energy (MeV)

52-Te-124

MAT 5237 MT= 71 (n,n') Level Legendre Coefficients 52-Te-124

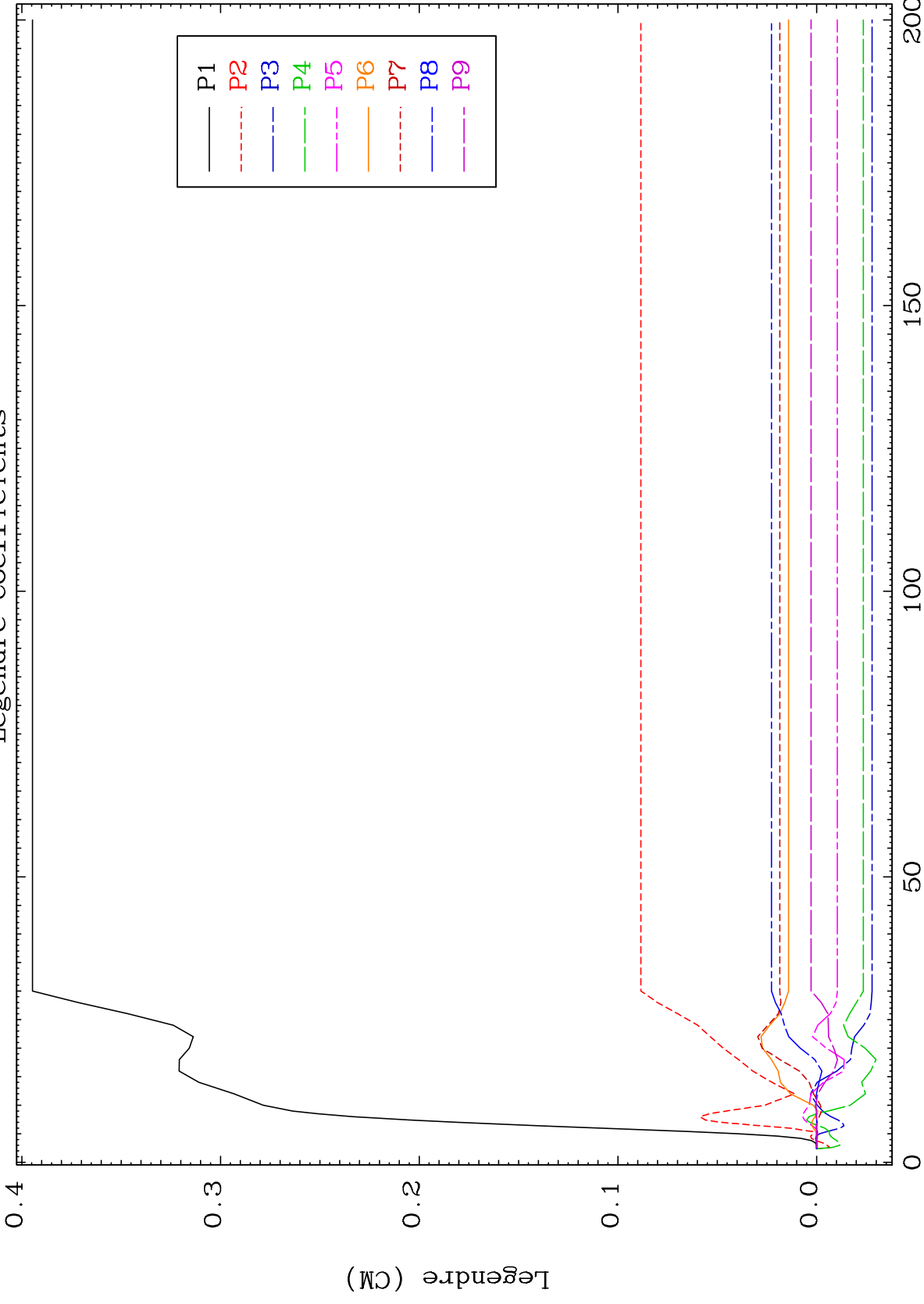


99 52-Te-124

MAT 5237

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

52-Te-124



52-Te-124

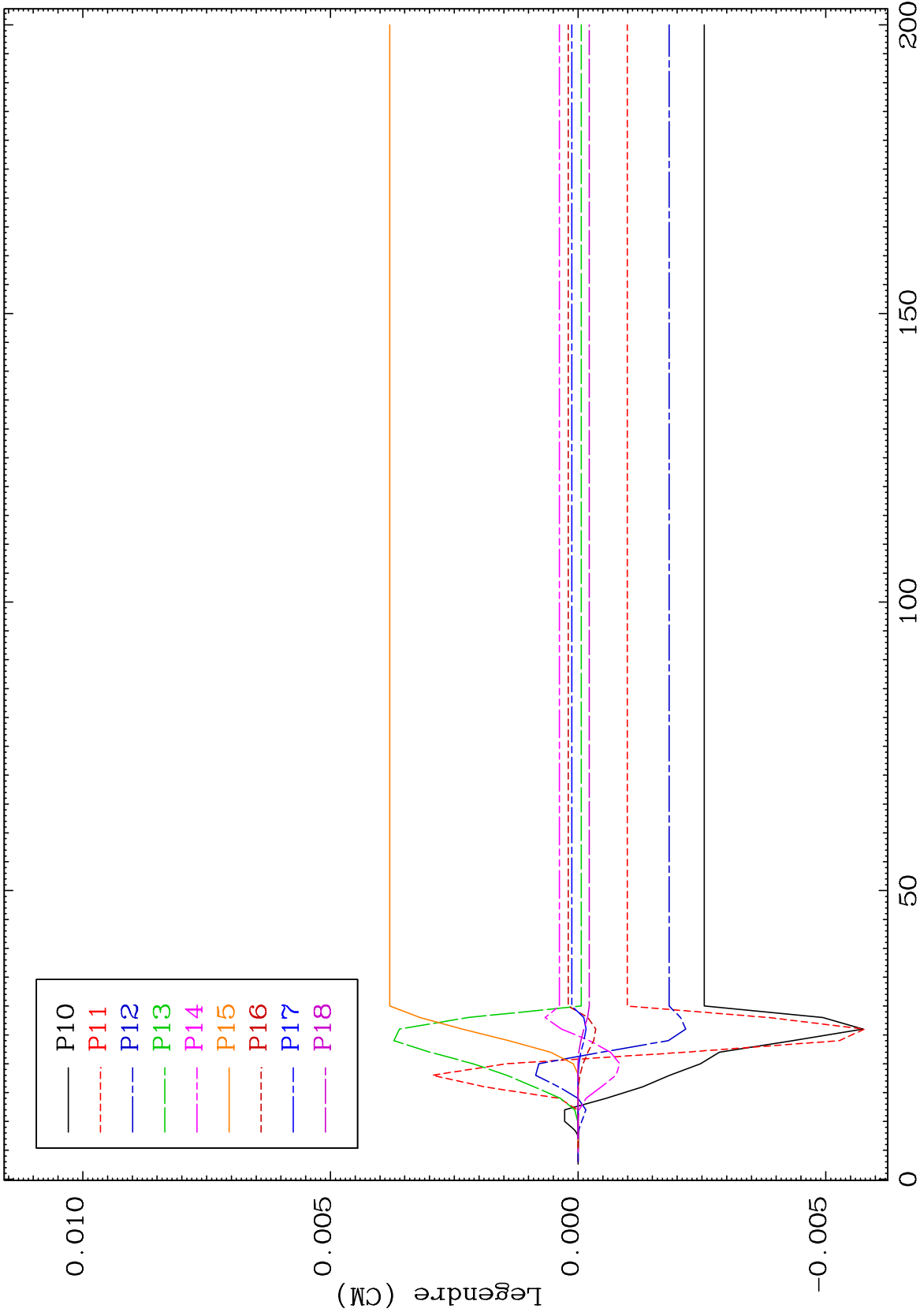
Incident Energy (MeV)

Legendre (CM)

MAT 5237

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

52-Te-124



101

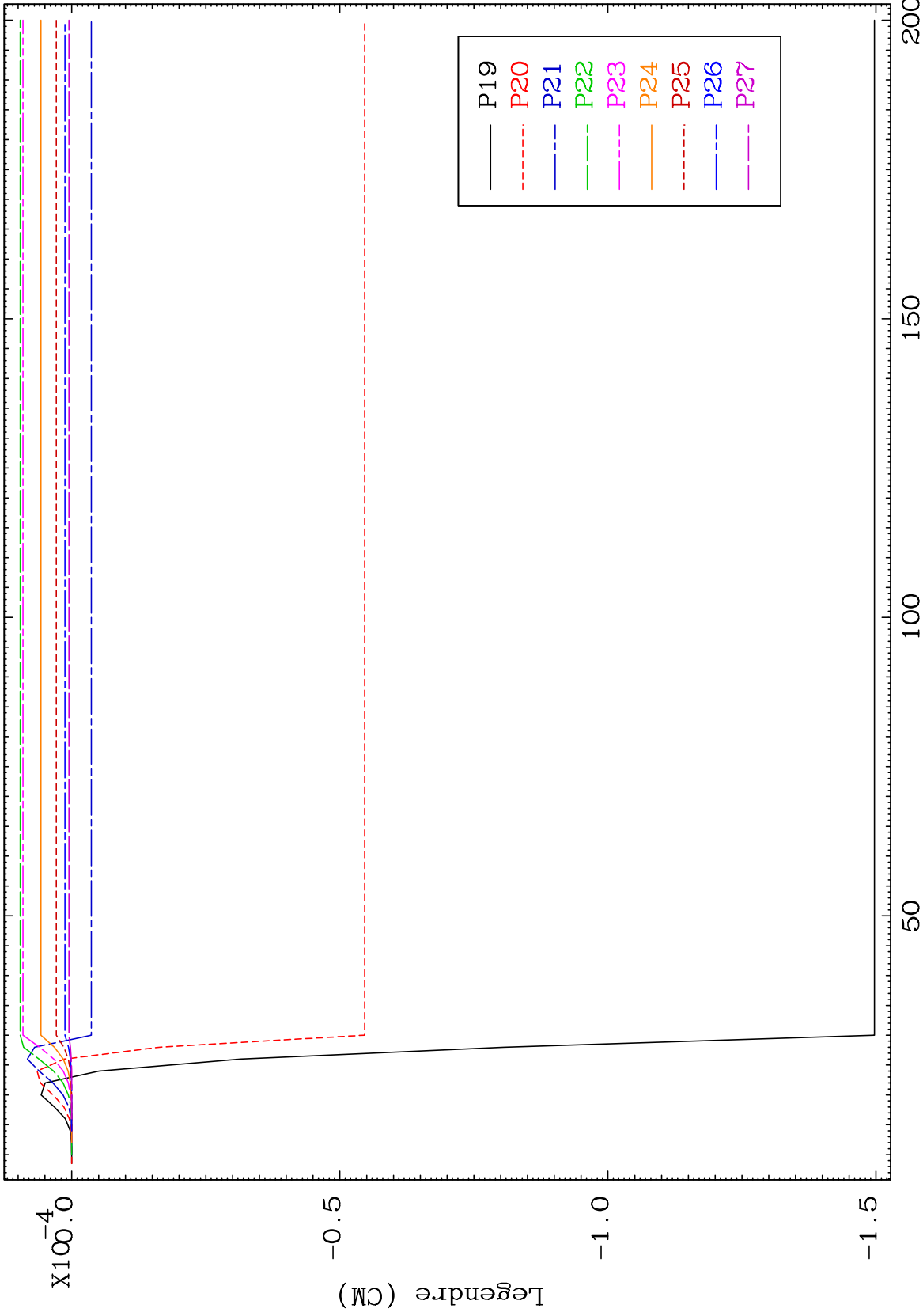
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



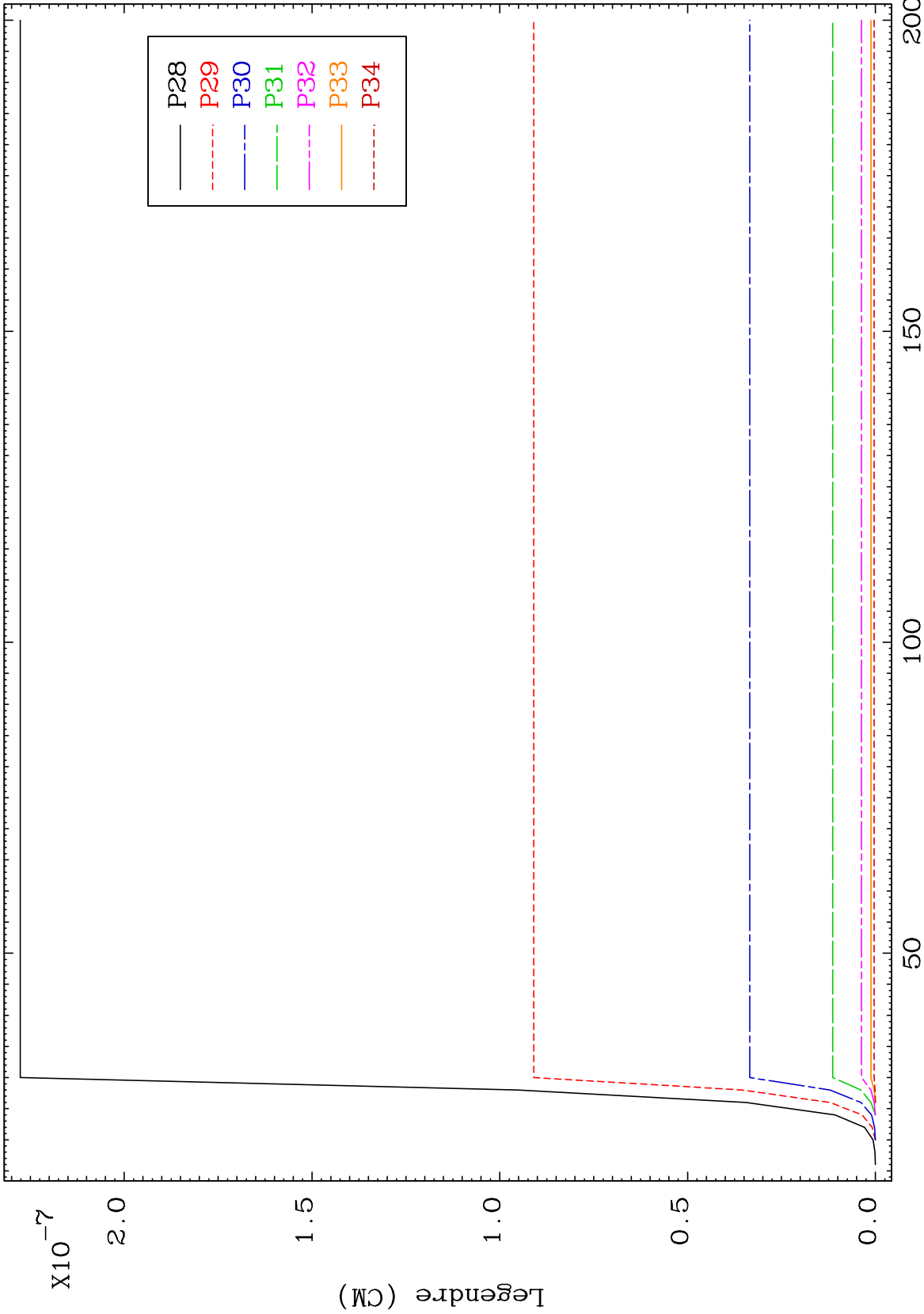
102

52-Te-124

MAT 5237

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

52-Te-124



103

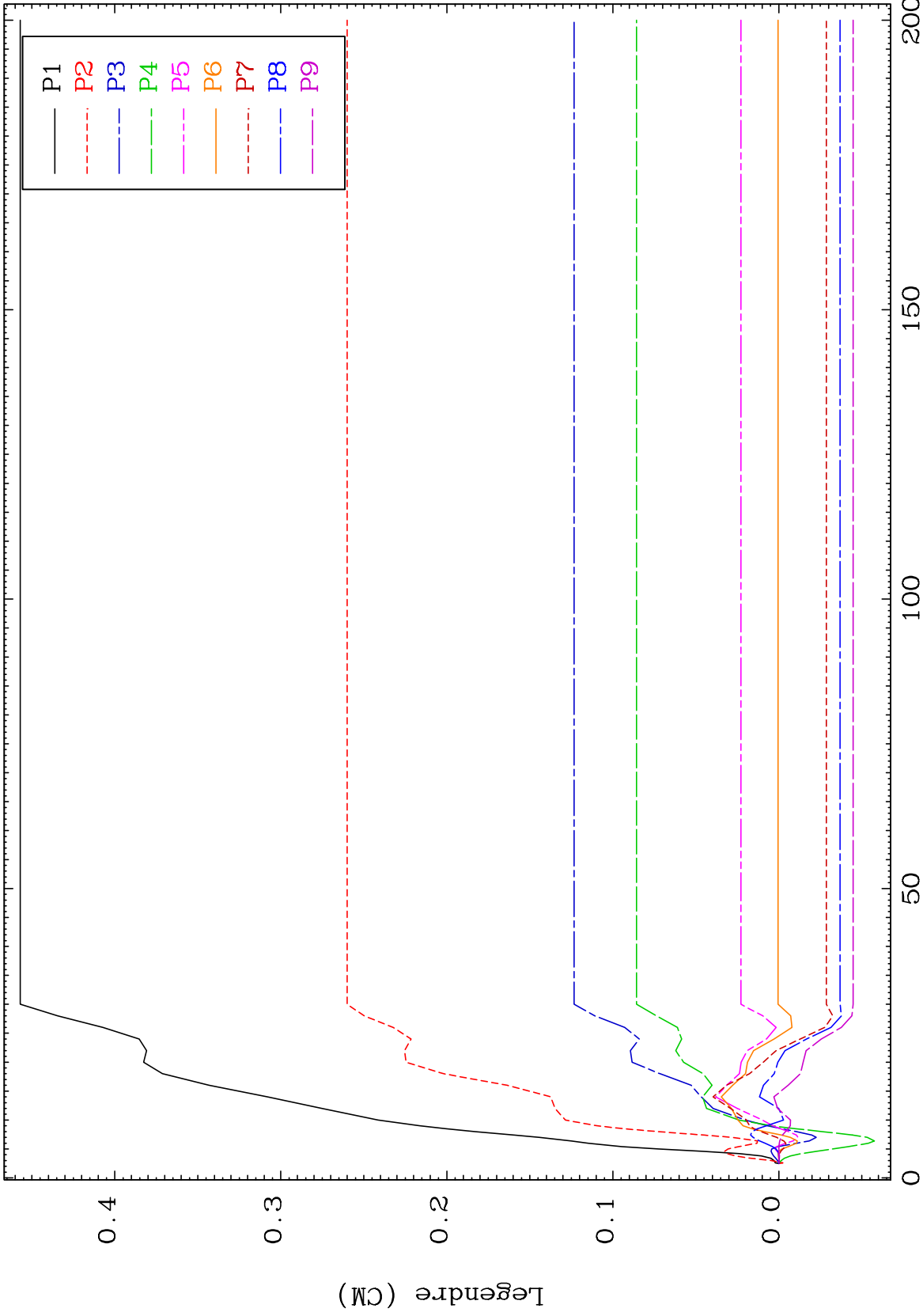
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



52-Te-124

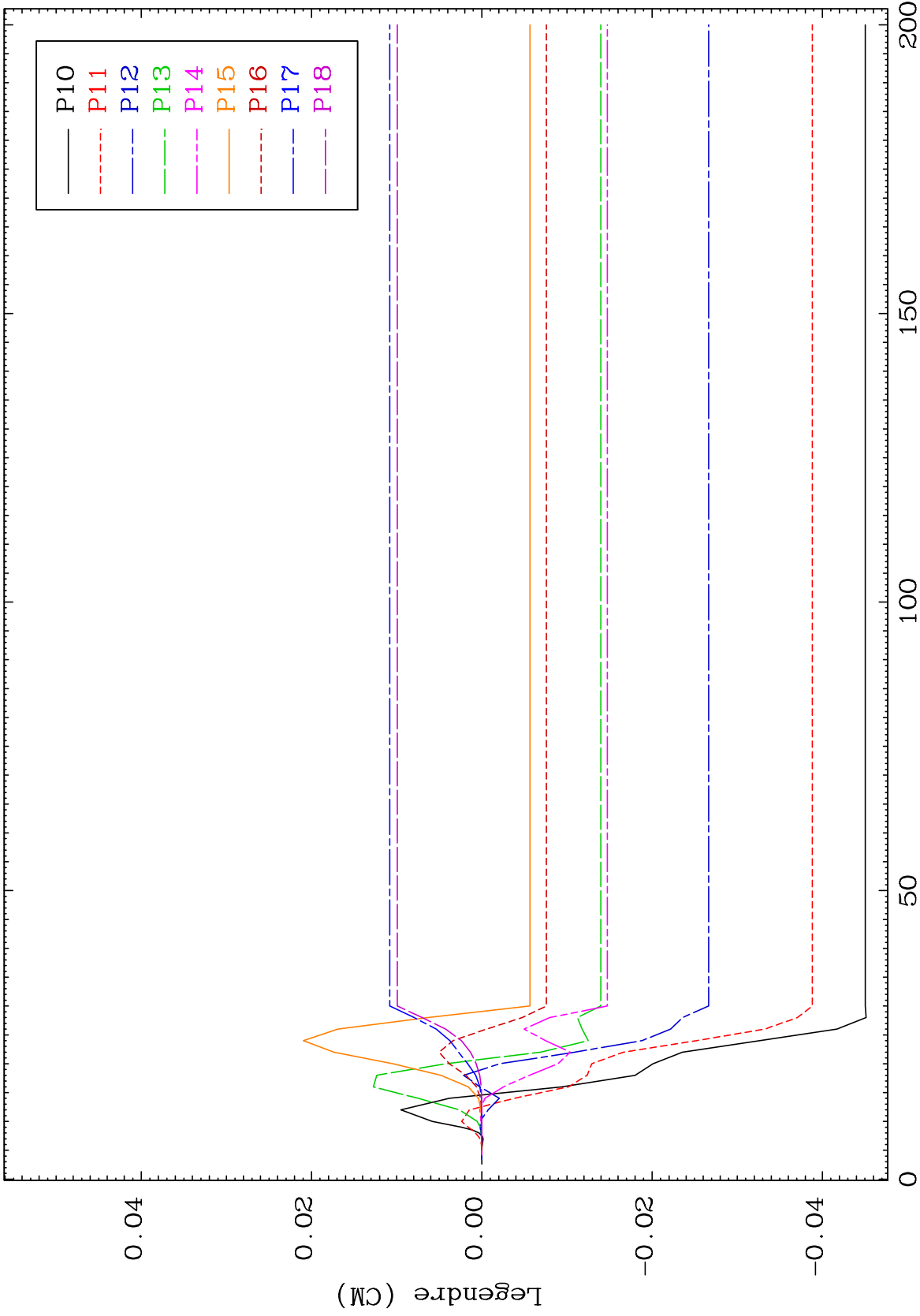
Incident Energy (MeV)

104

MAT 5237

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

52-Te-124



105

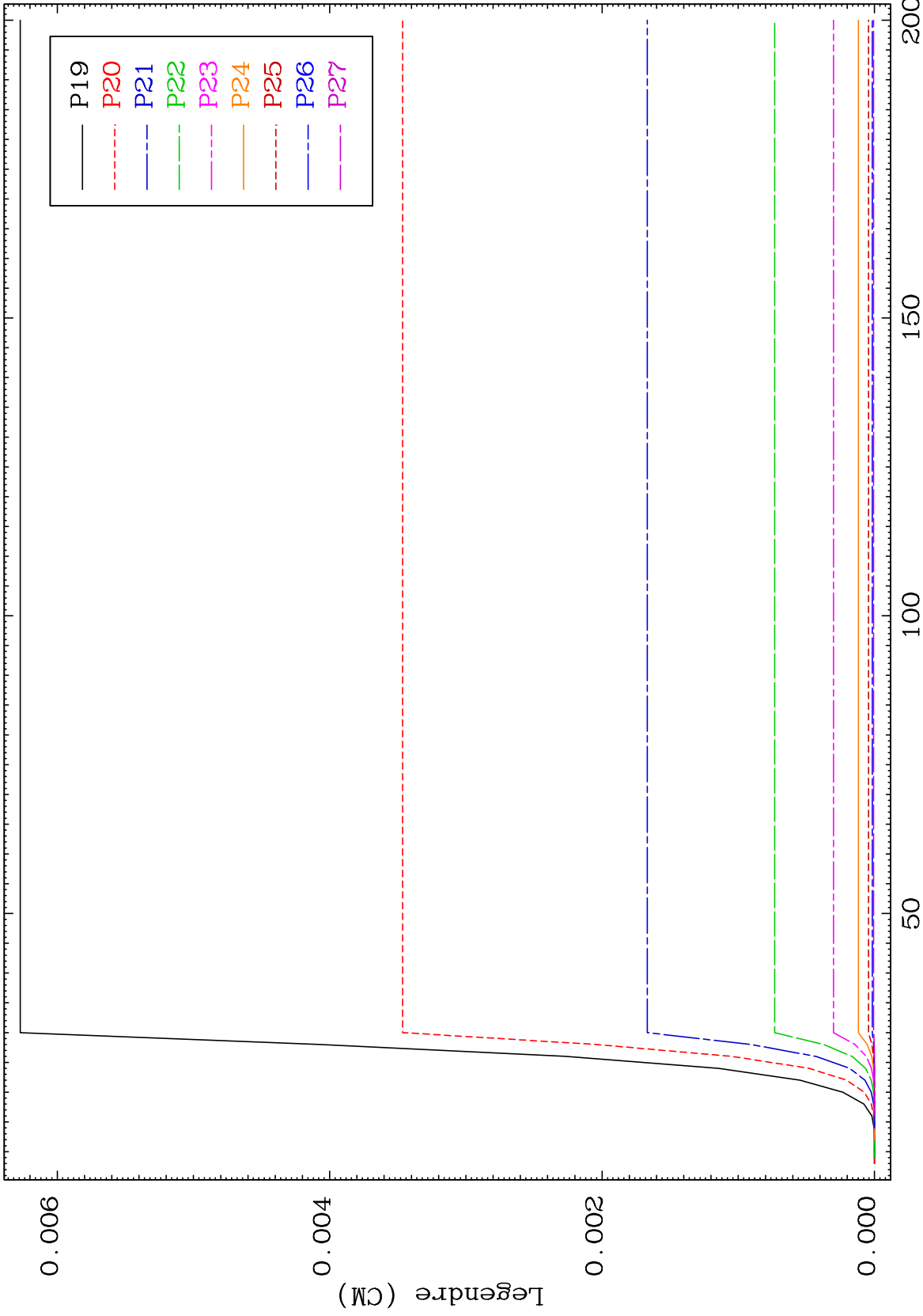
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



106

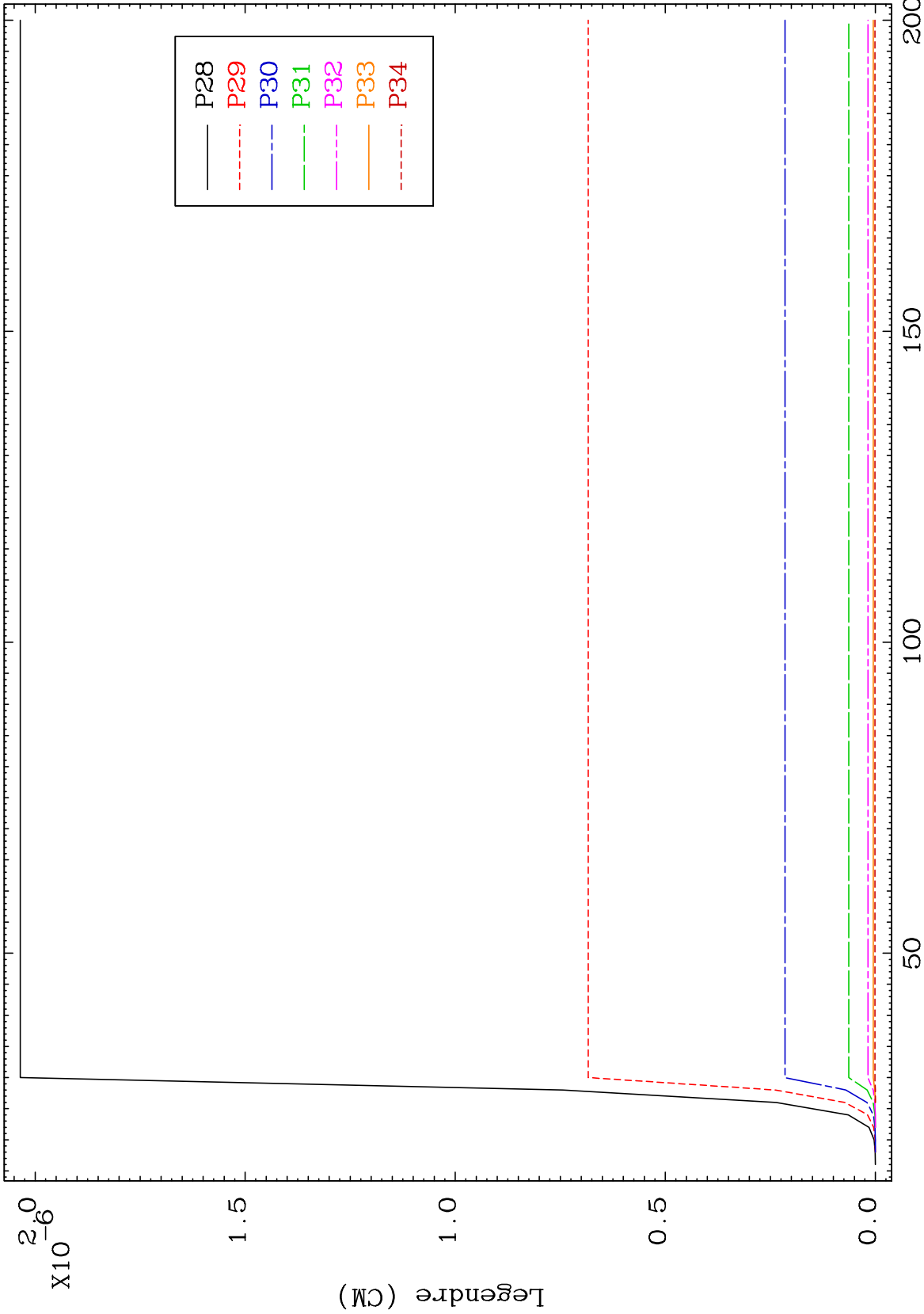
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



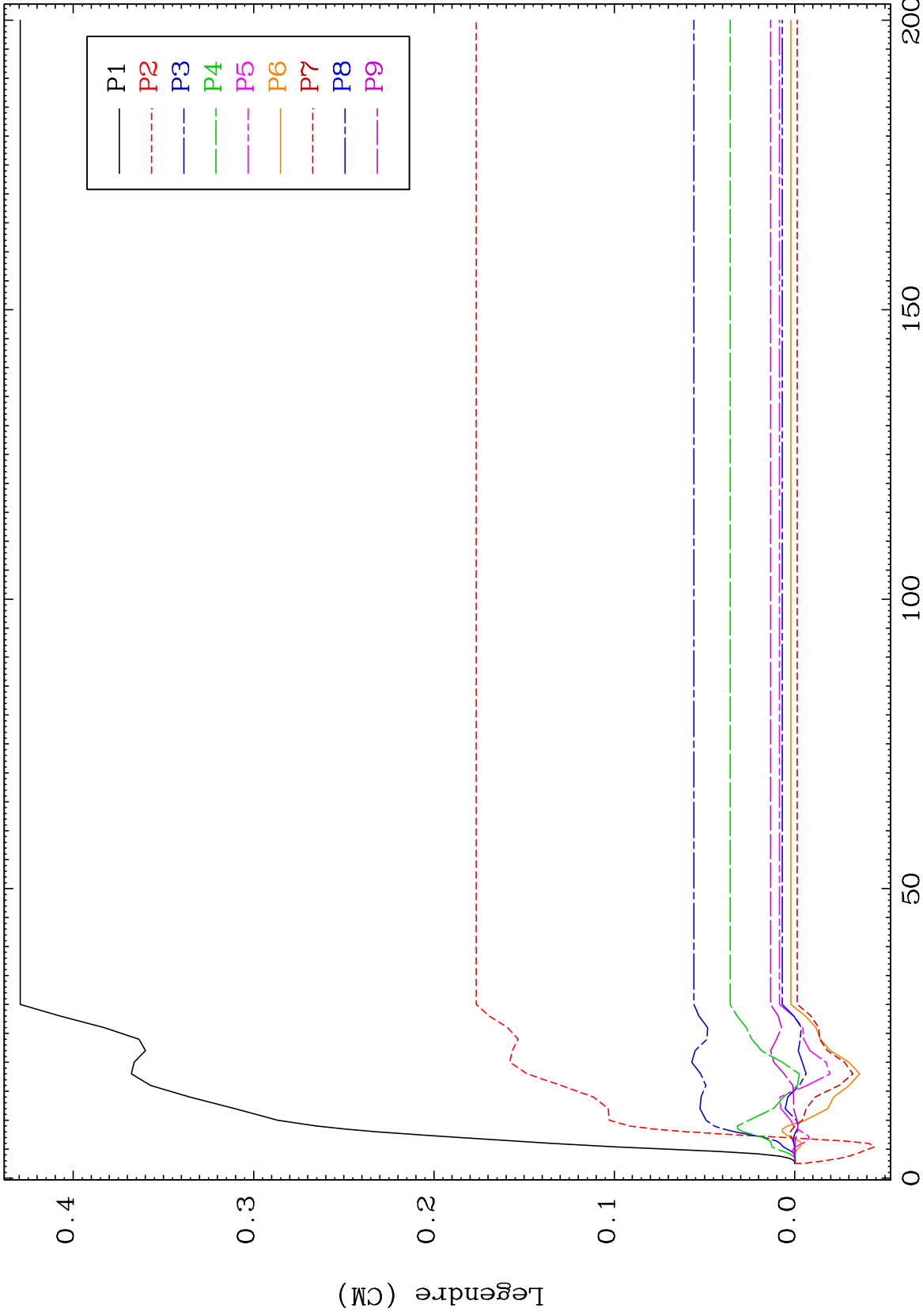
107

52-Te-124

MAT 5237

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

52-Te-124



108

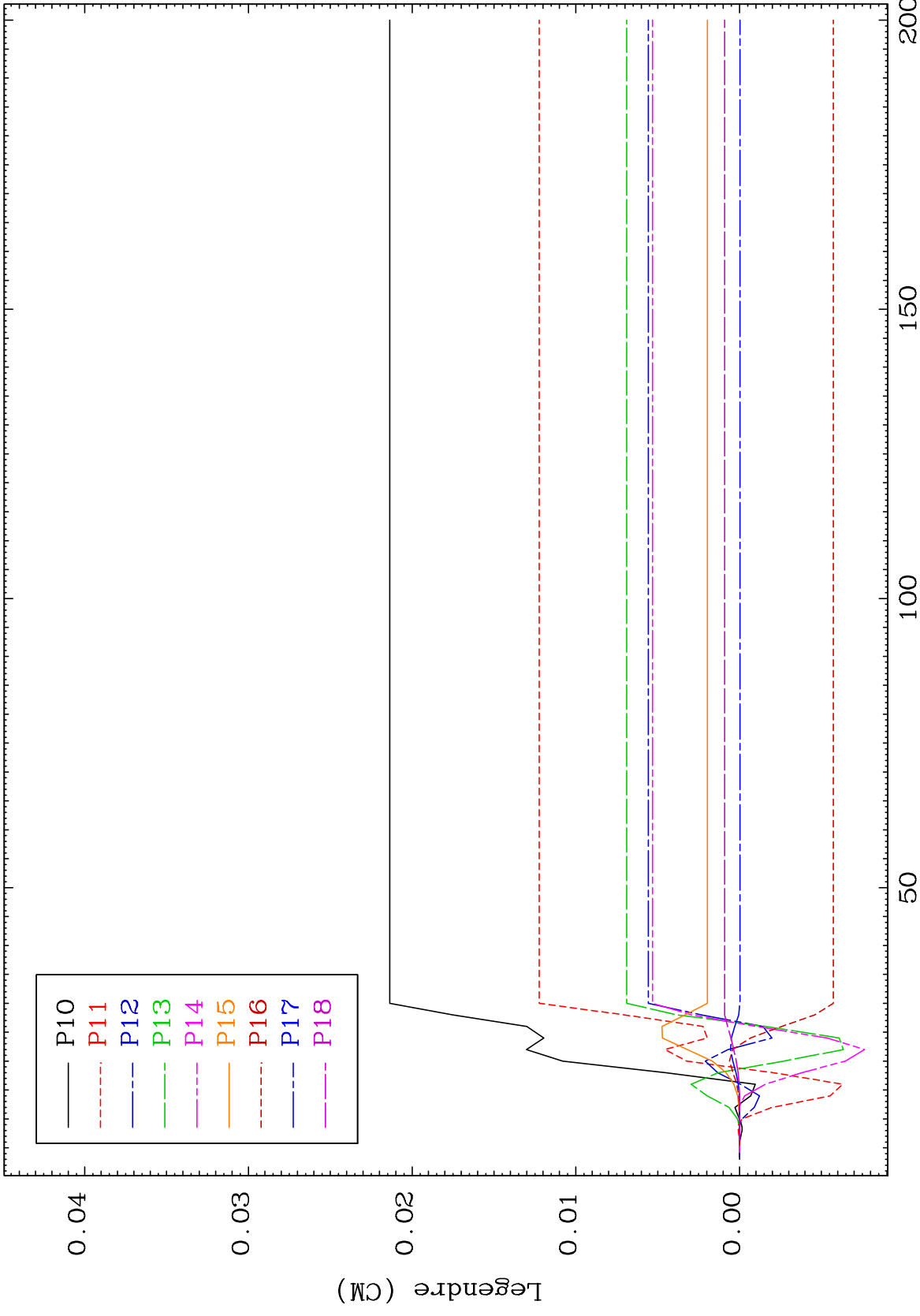
Incident Energy (MeV)

52-Te-124

MAT 5237

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

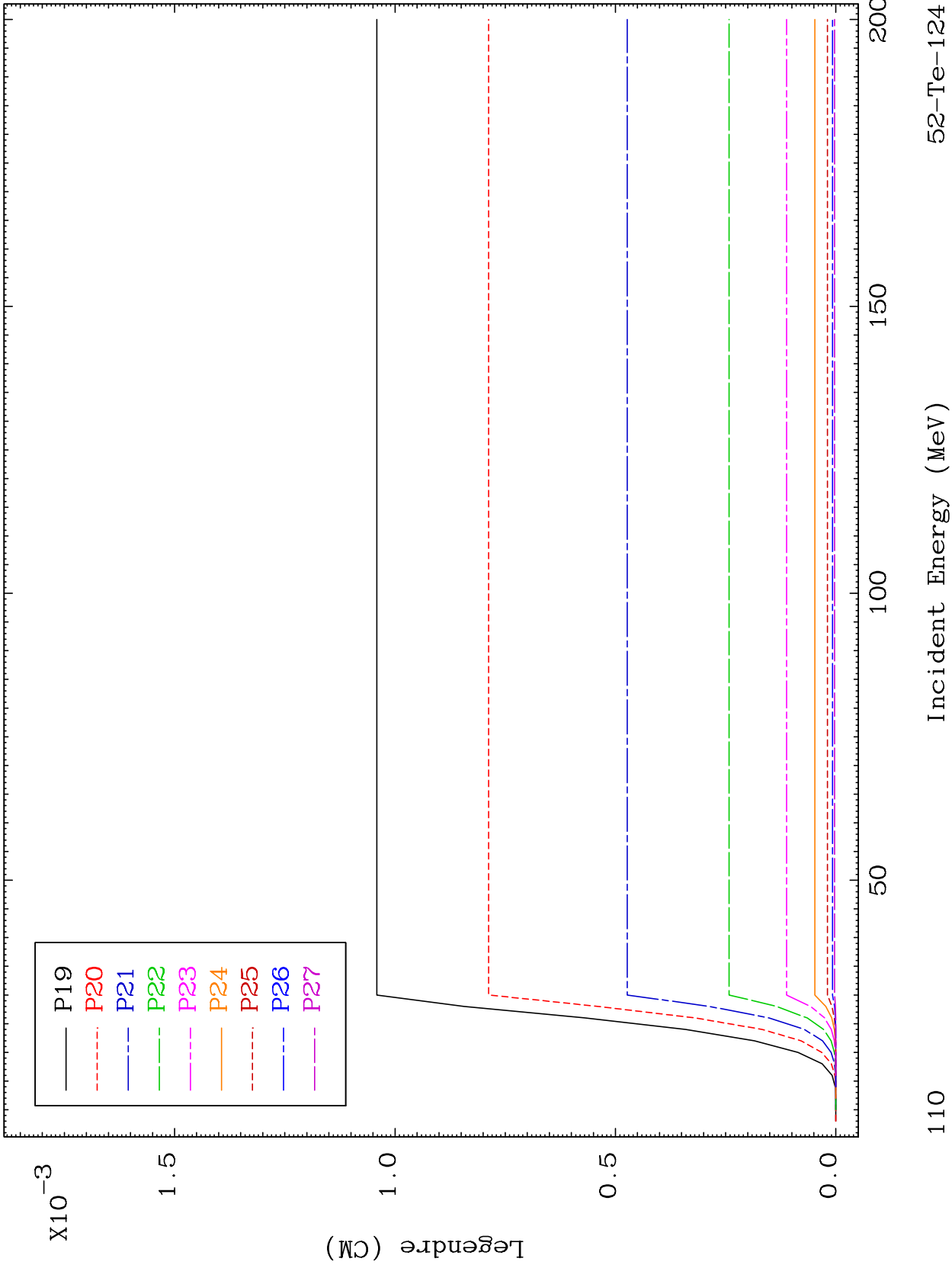
52-Te-124



MAT 5237

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

52-Te-124



110

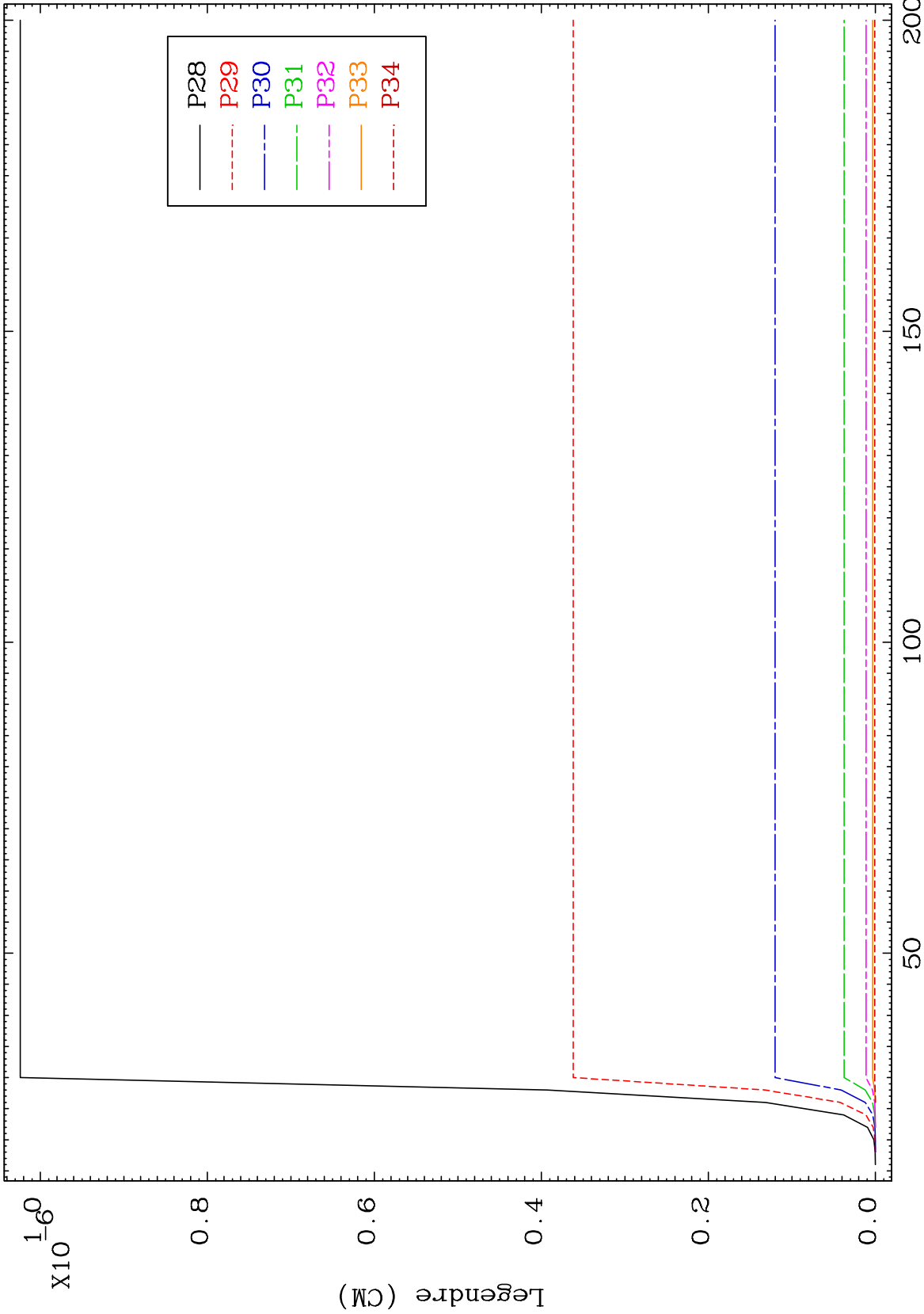
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



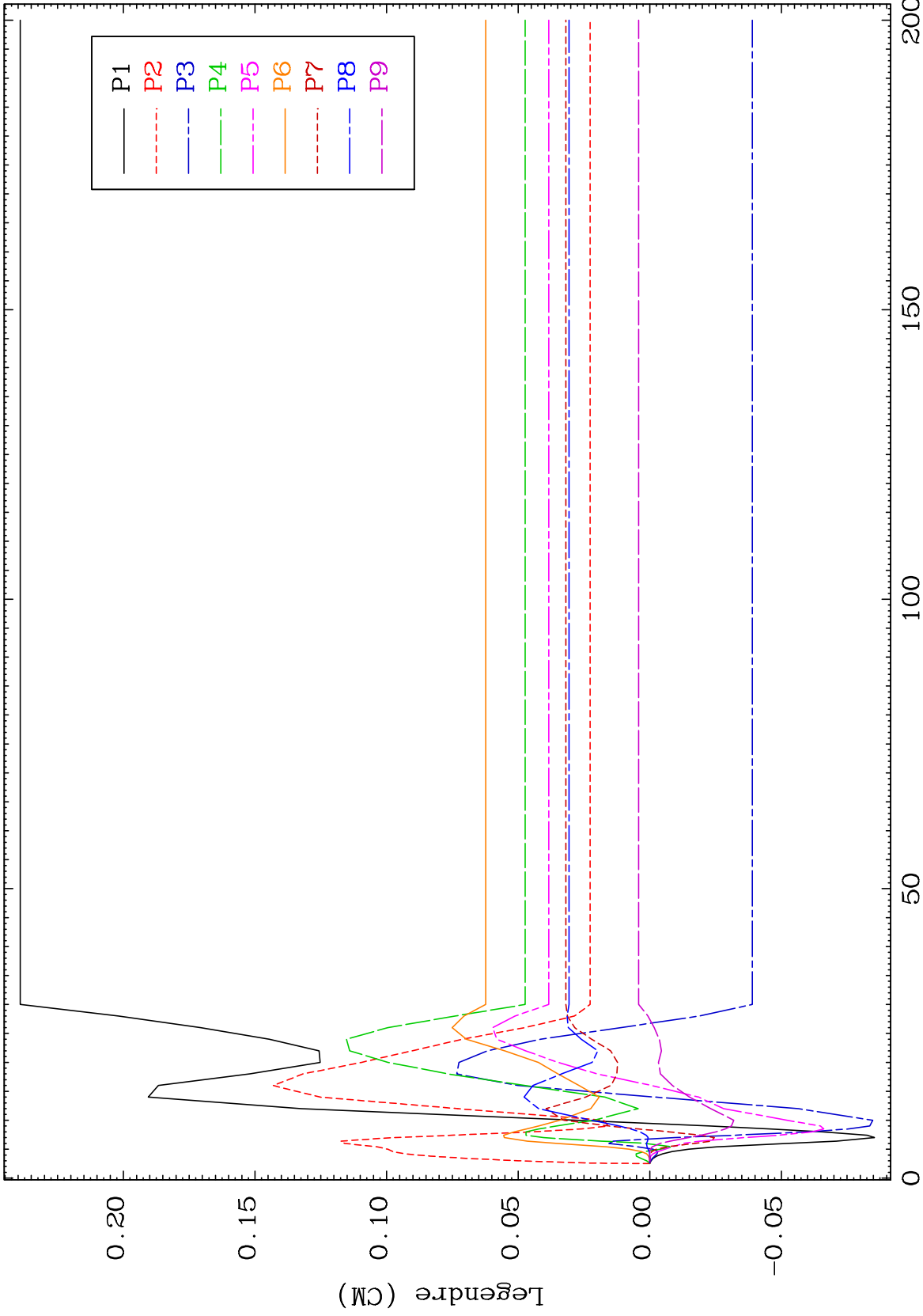
111

52-Te-124

MAT 5237

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

52-Te-124



112

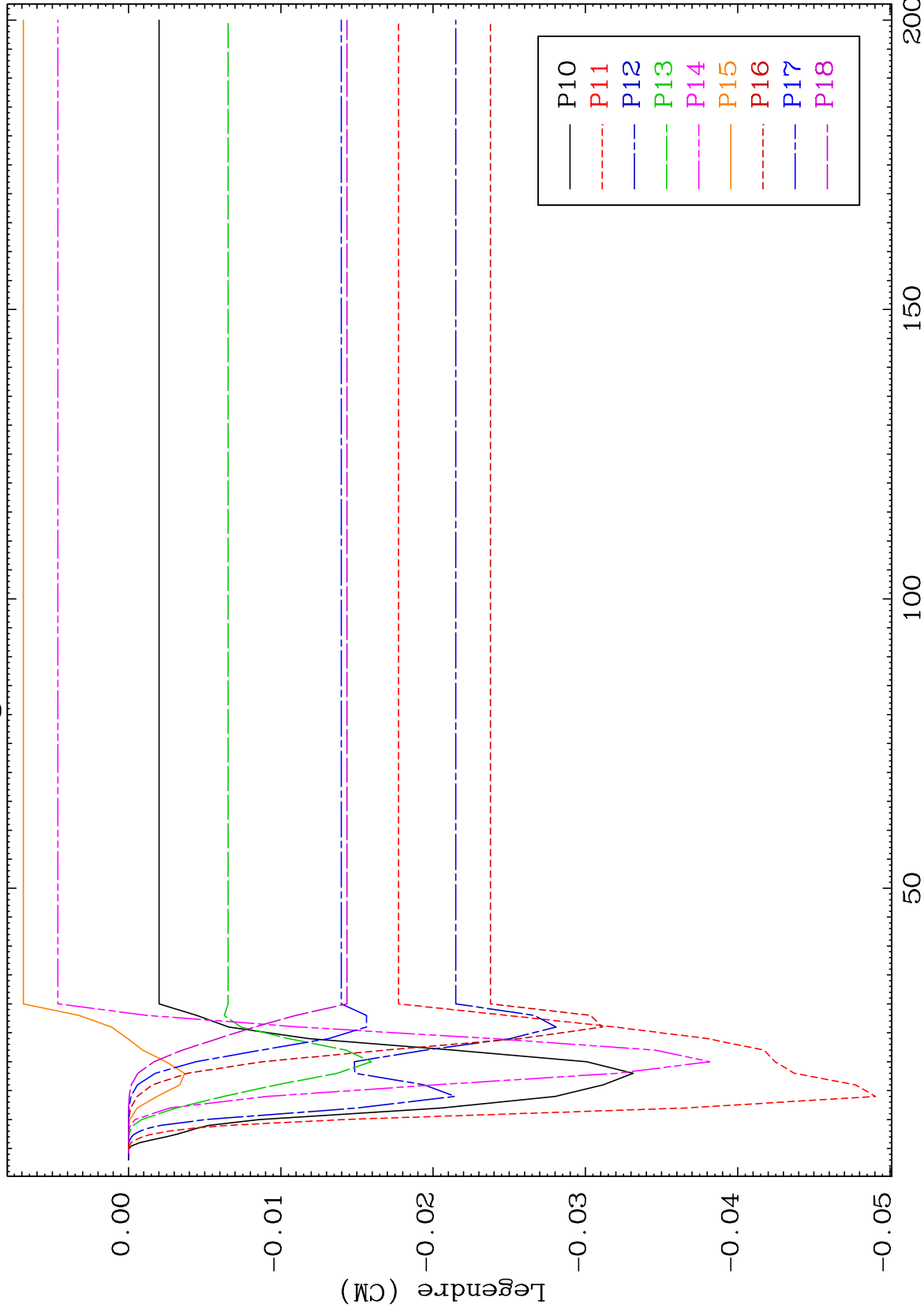
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124

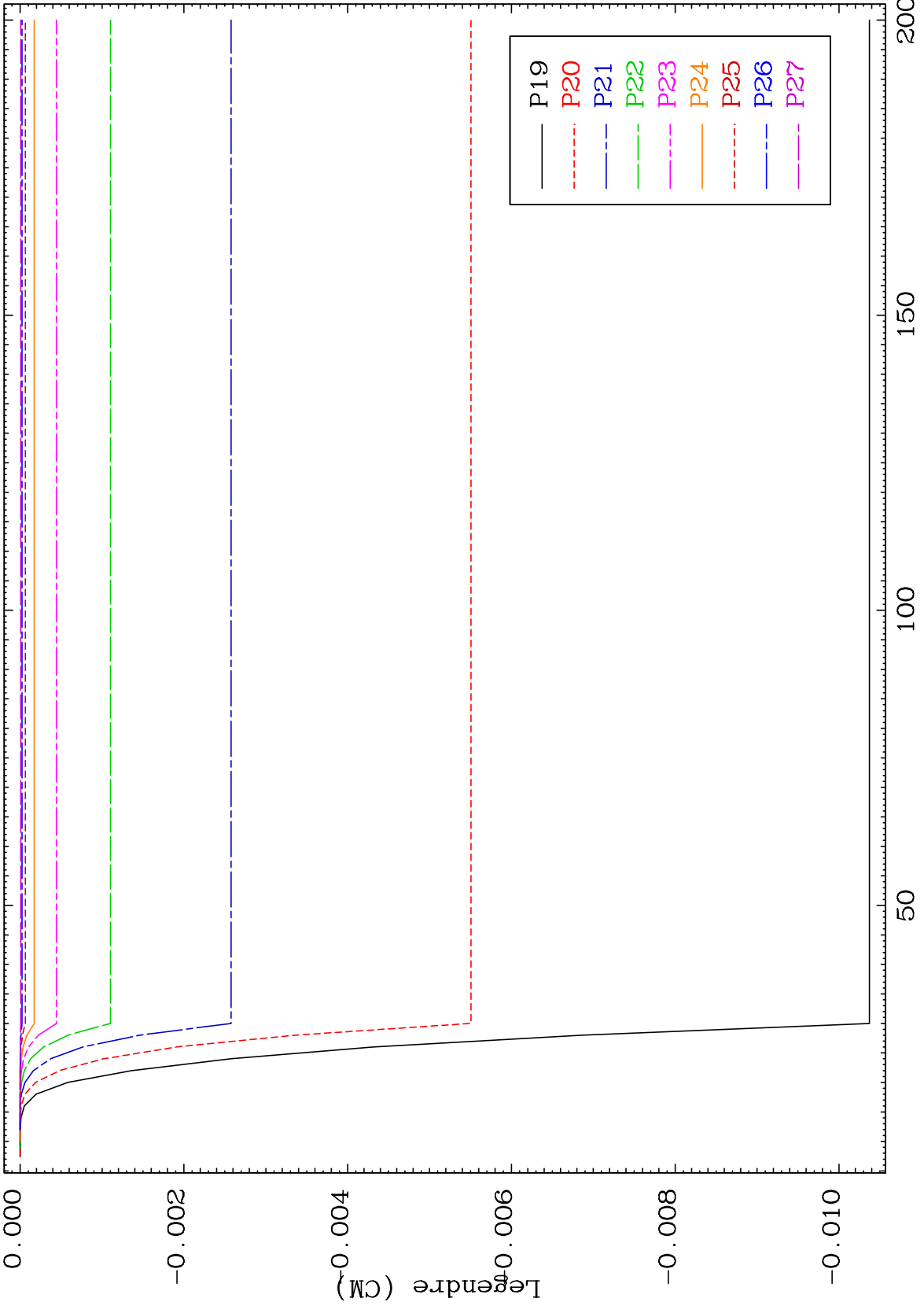


113

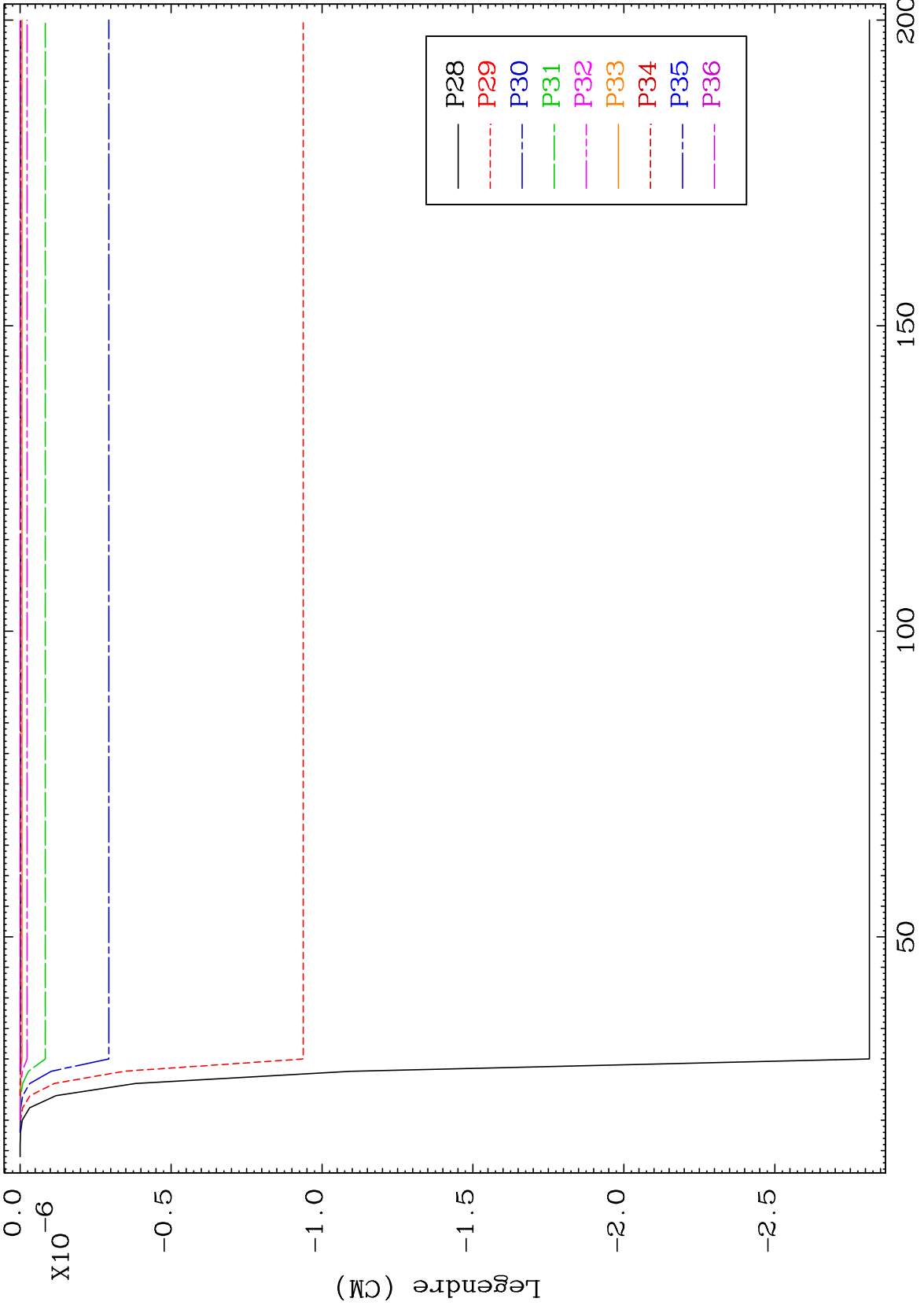
Incident Energy (MeV)

52-Te-124

MAT 5237 MT= 75 (n,n') Level Legendre Coefficients 52-Te-124



MAT 5237 MT= 75 (n,n') Level Legendre Coefficients 52-Te-124

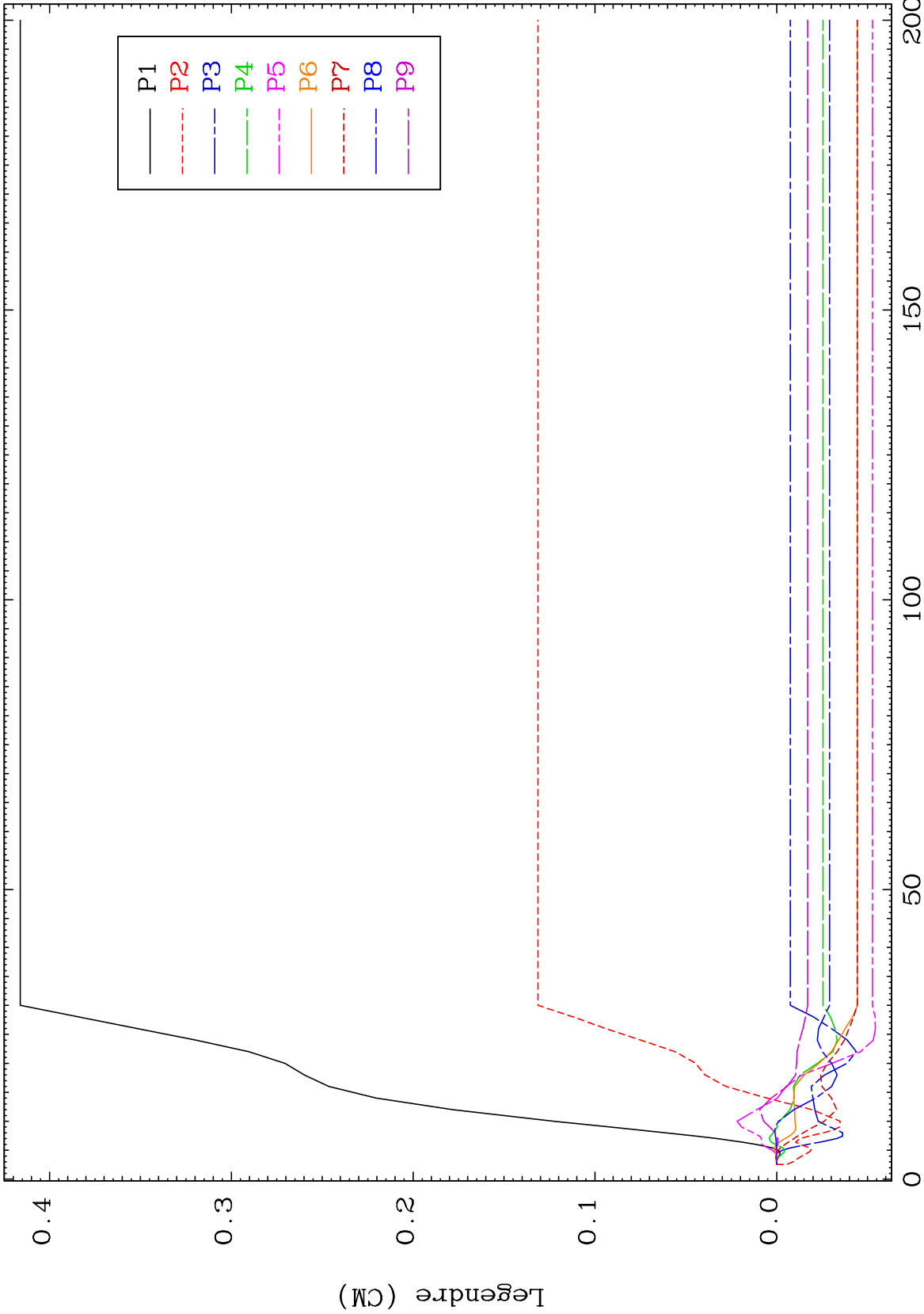


115 52-Te-124

MAT 5237

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

52-Te-124



116

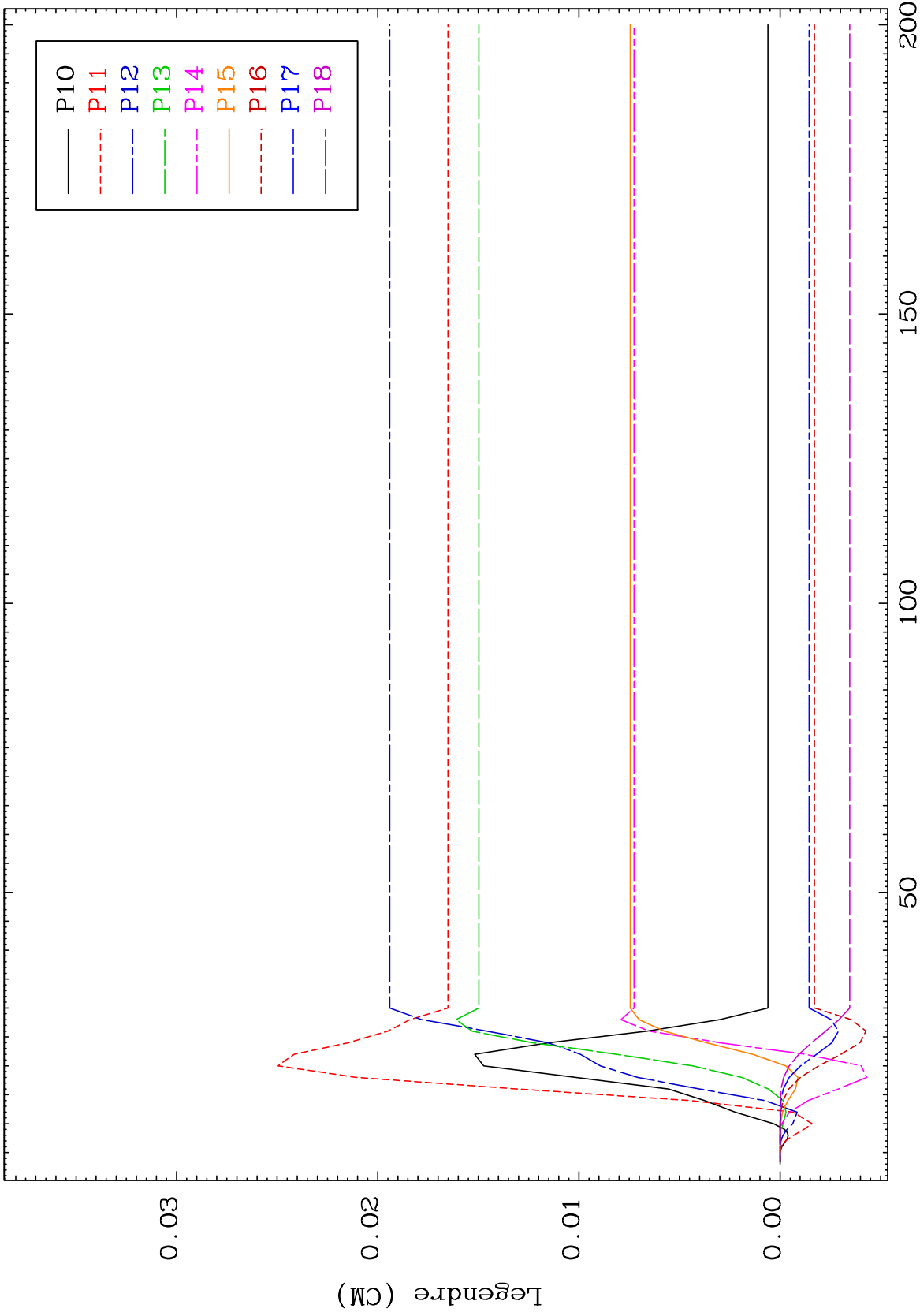
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



117

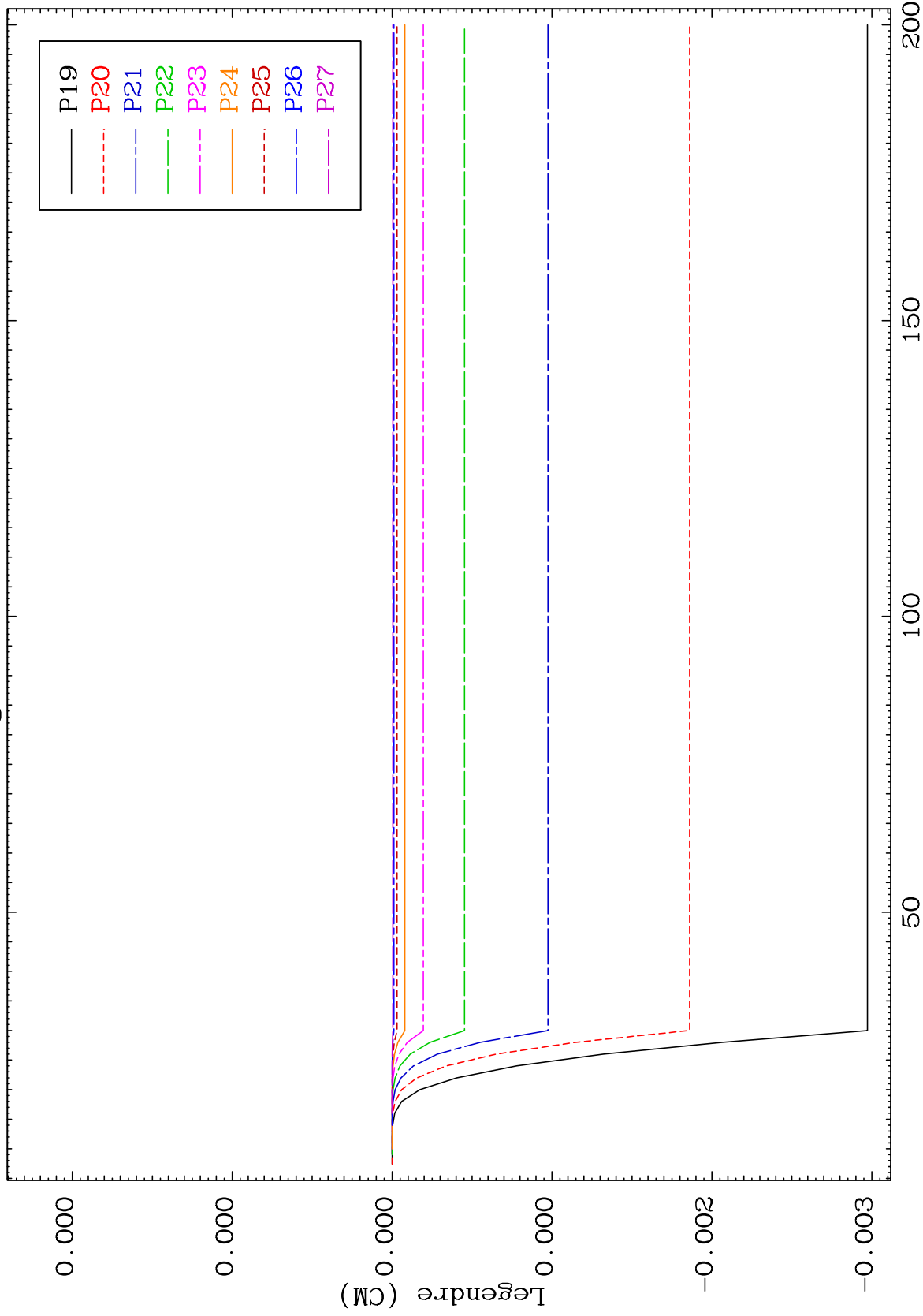
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



118

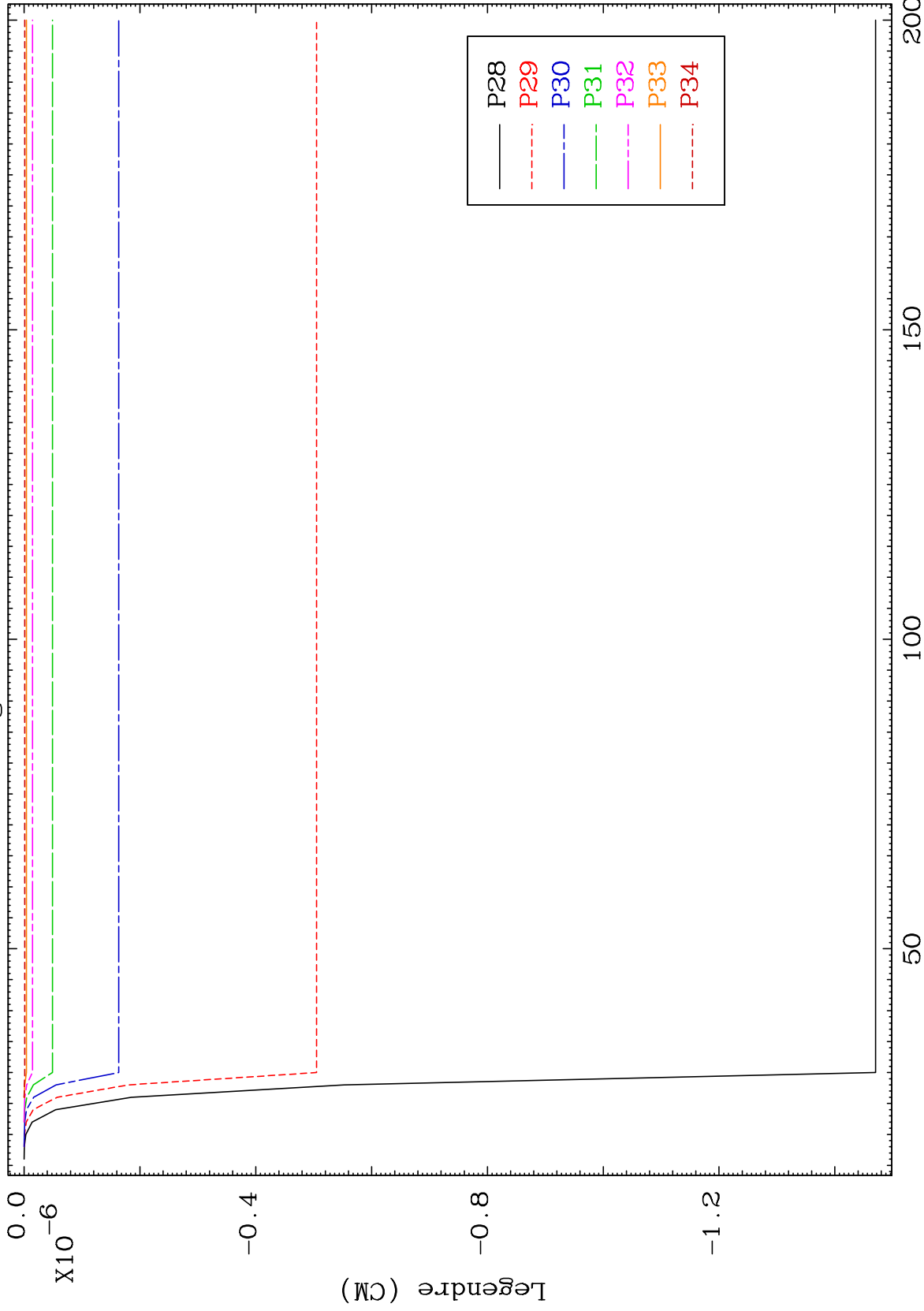
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



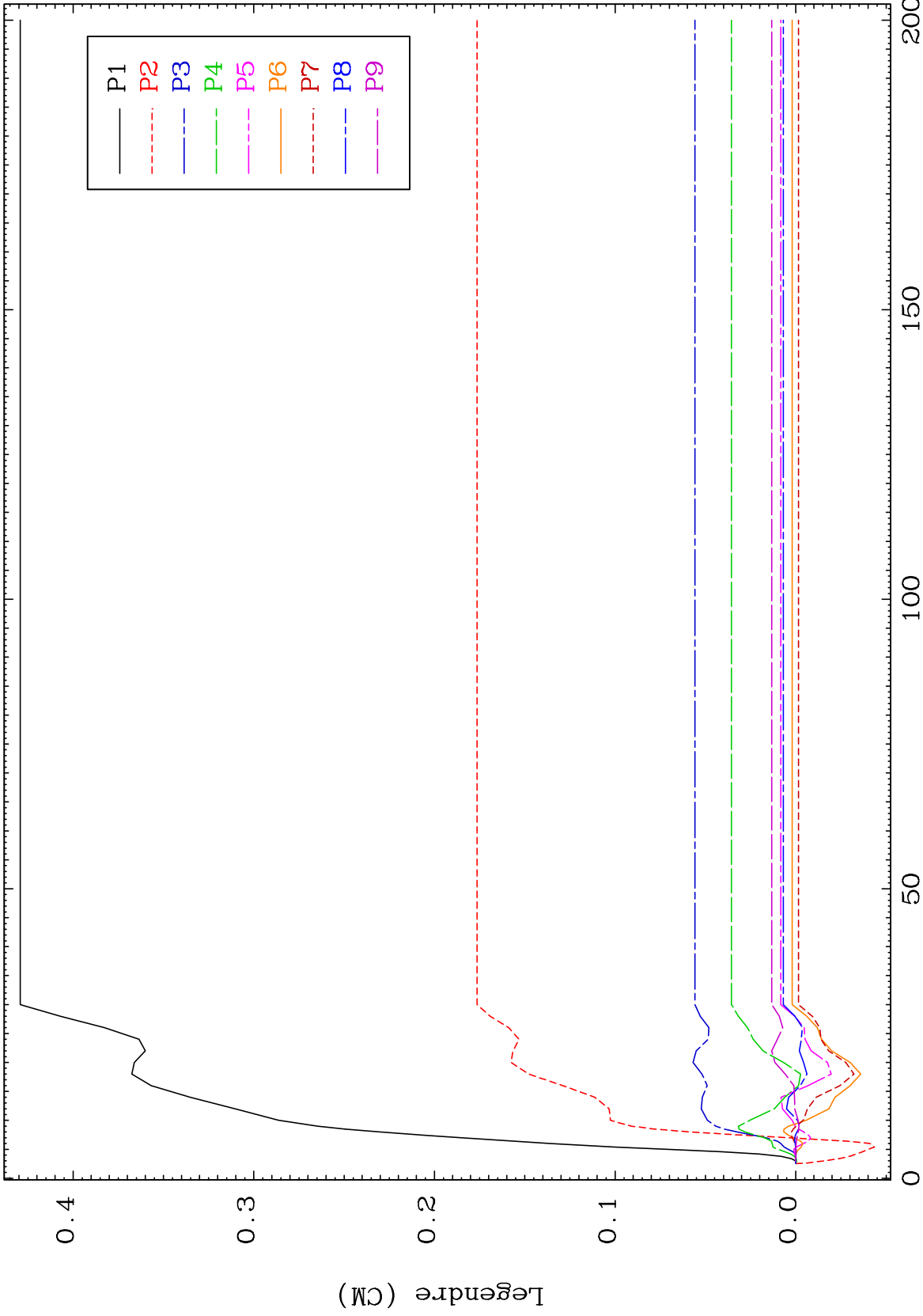
119

52-Te-124

MAT 5237

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

52-Te-124



52-Te-124

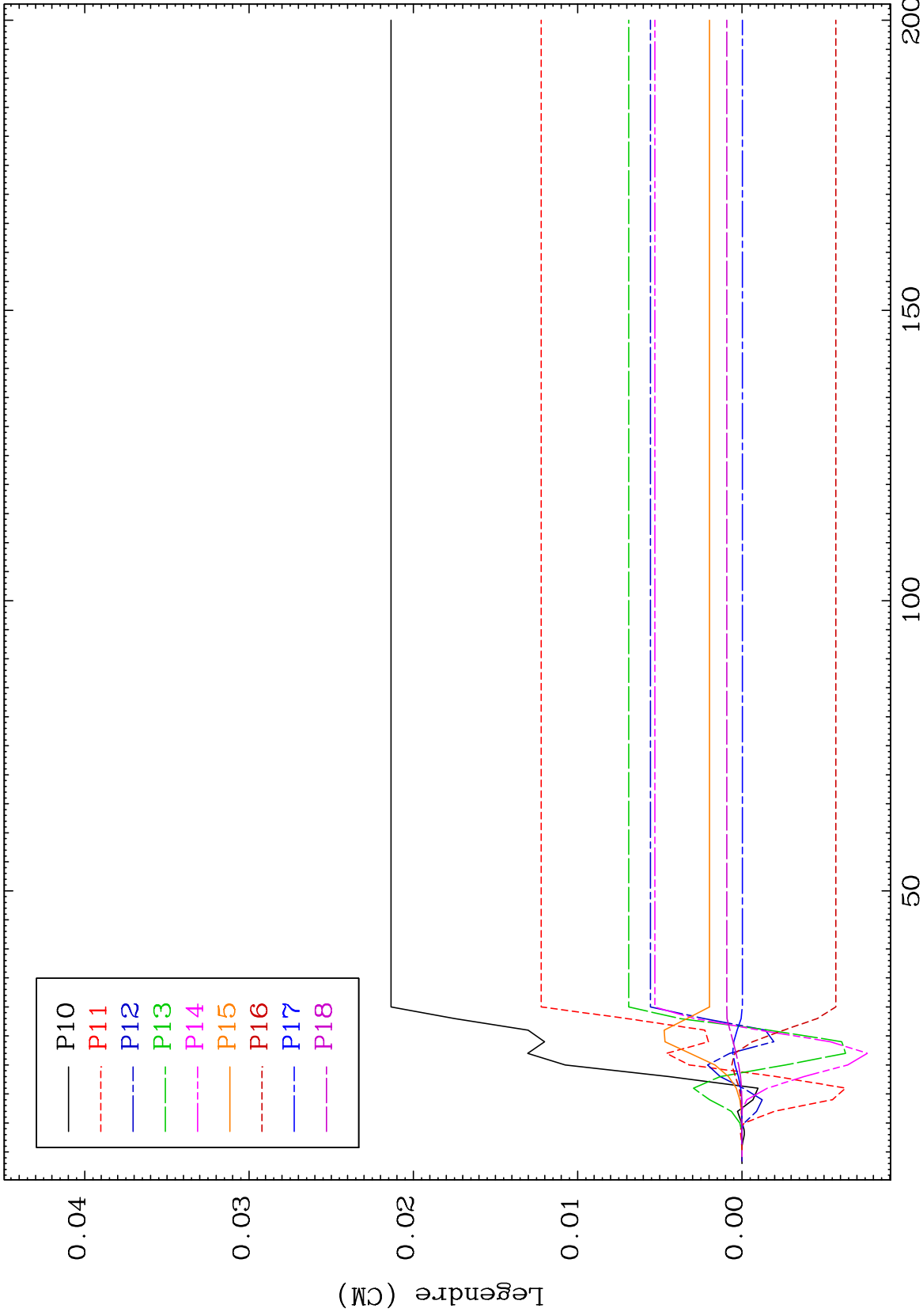
Incident Energy (MeV)

120

MAT 5237

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

52-Te-124



121

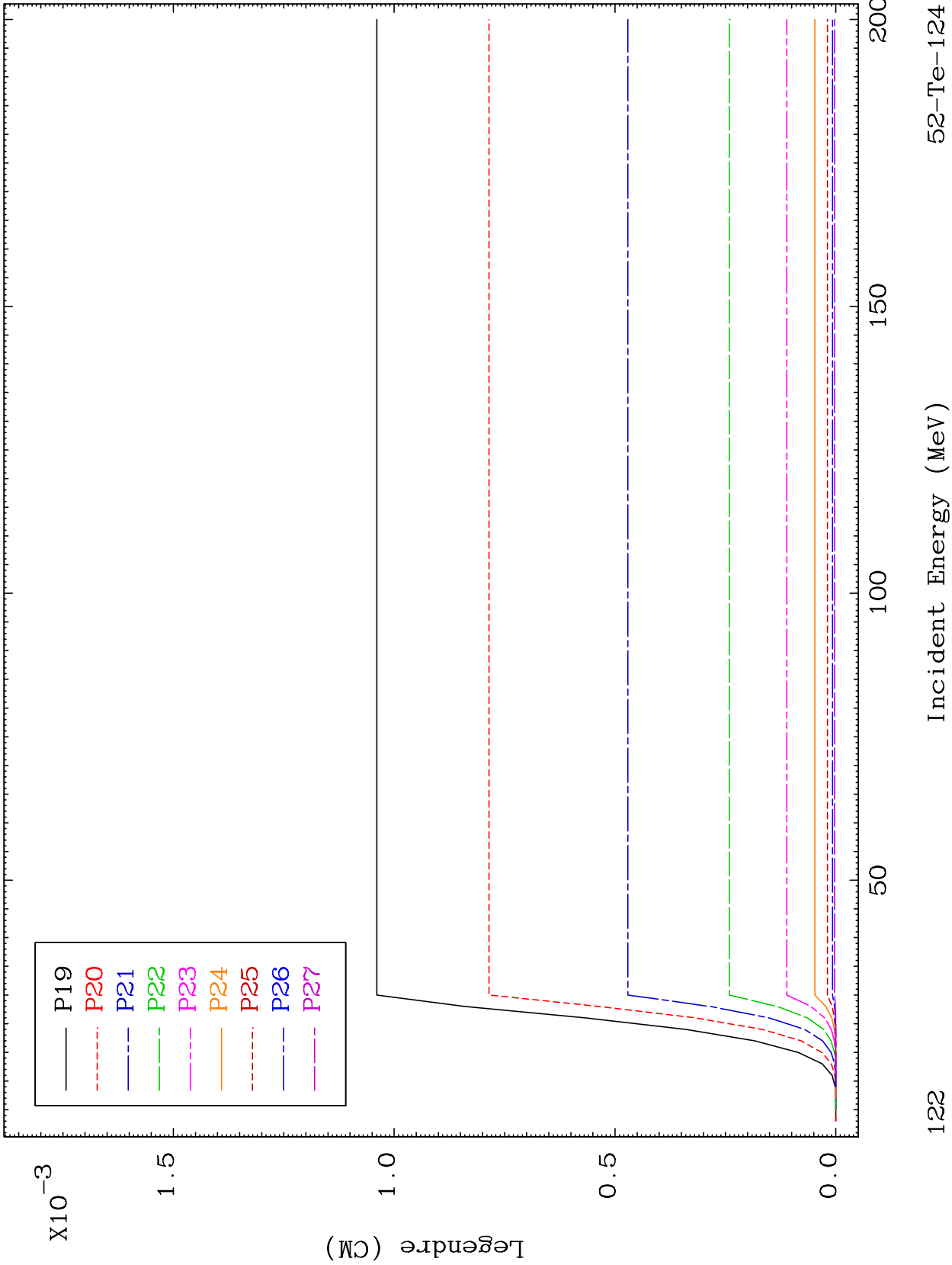
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



122

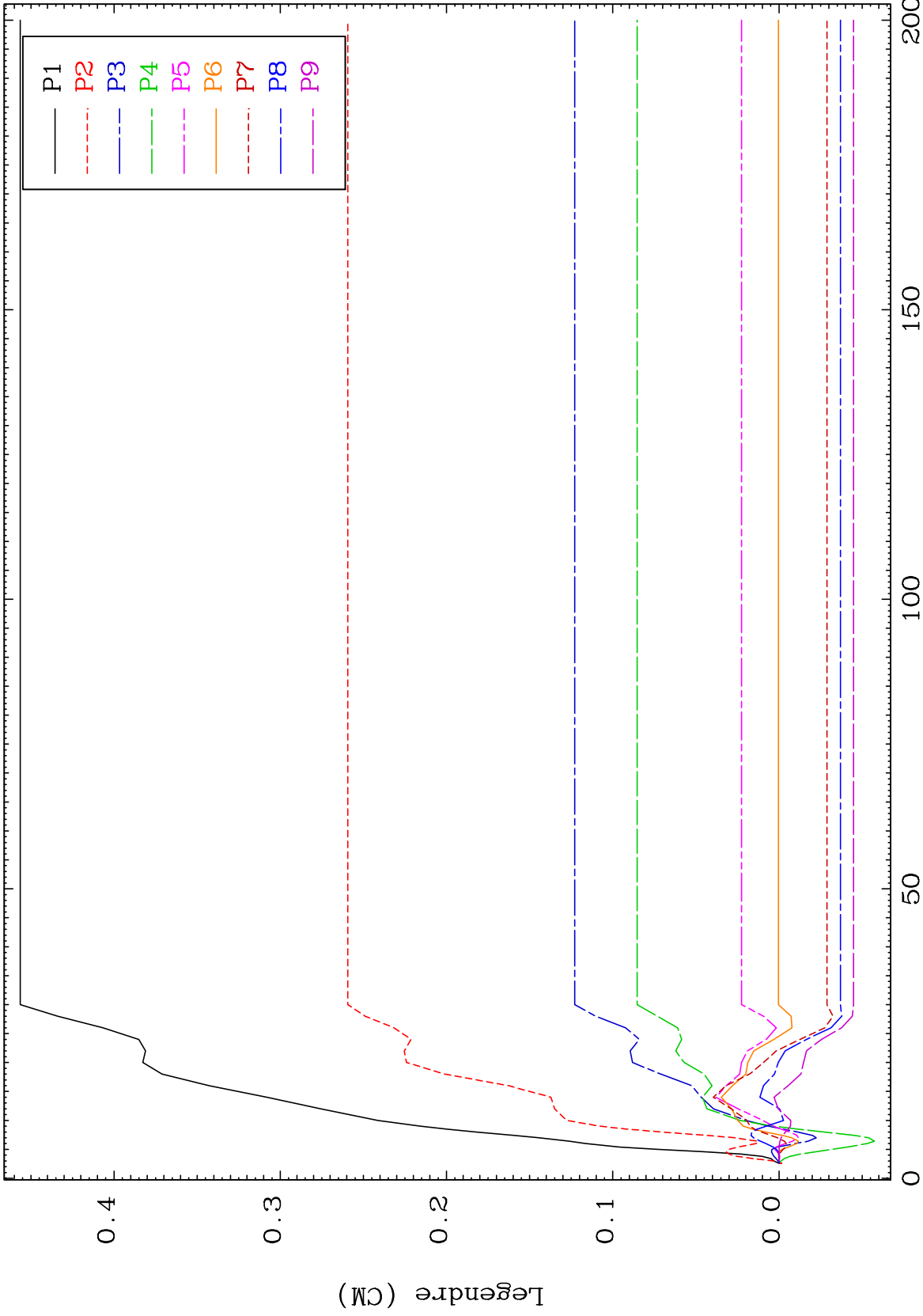
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



52-Te-124

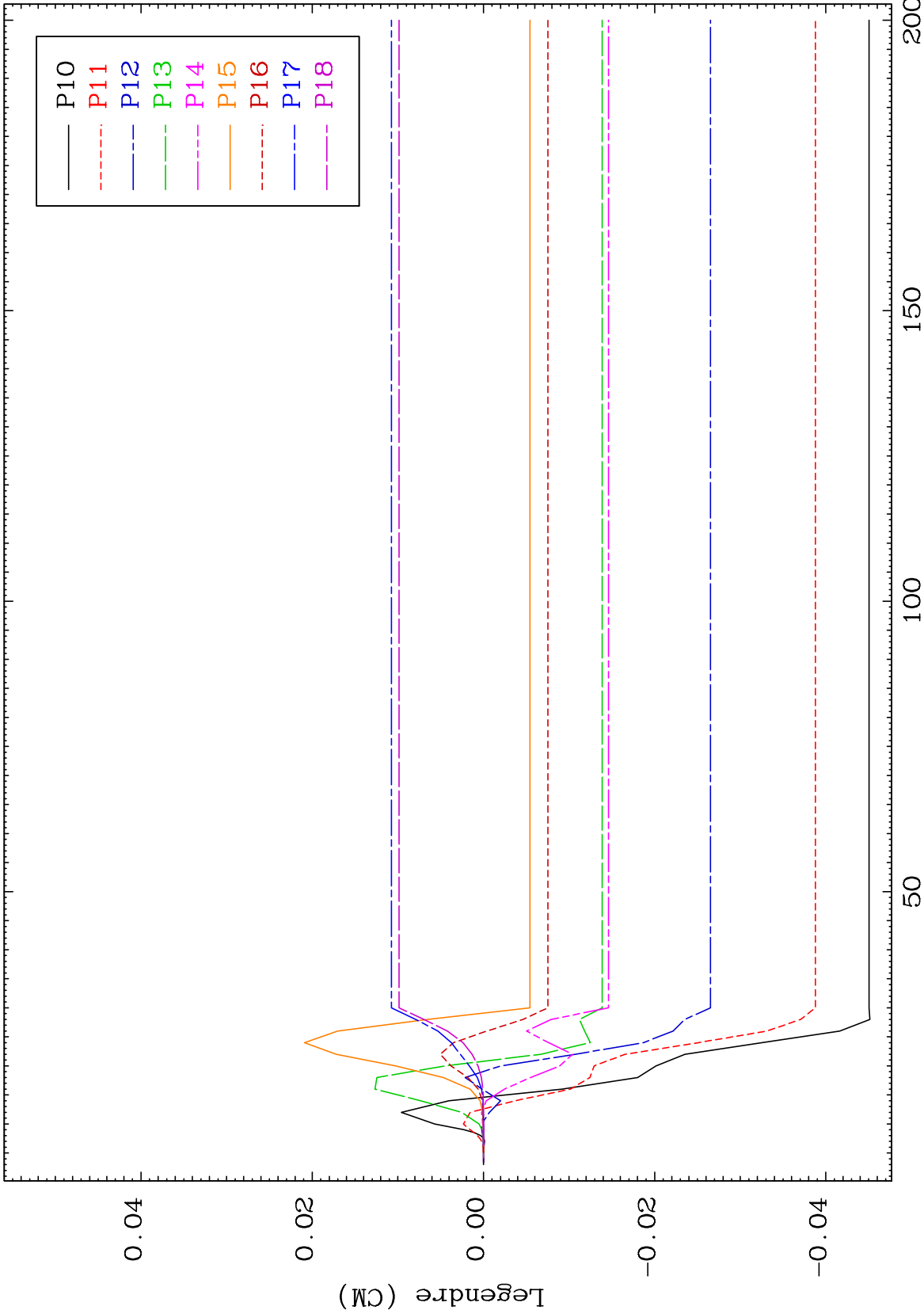
Incident Energy (MeV)

124

MAT 5237

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

52-Te-124



125

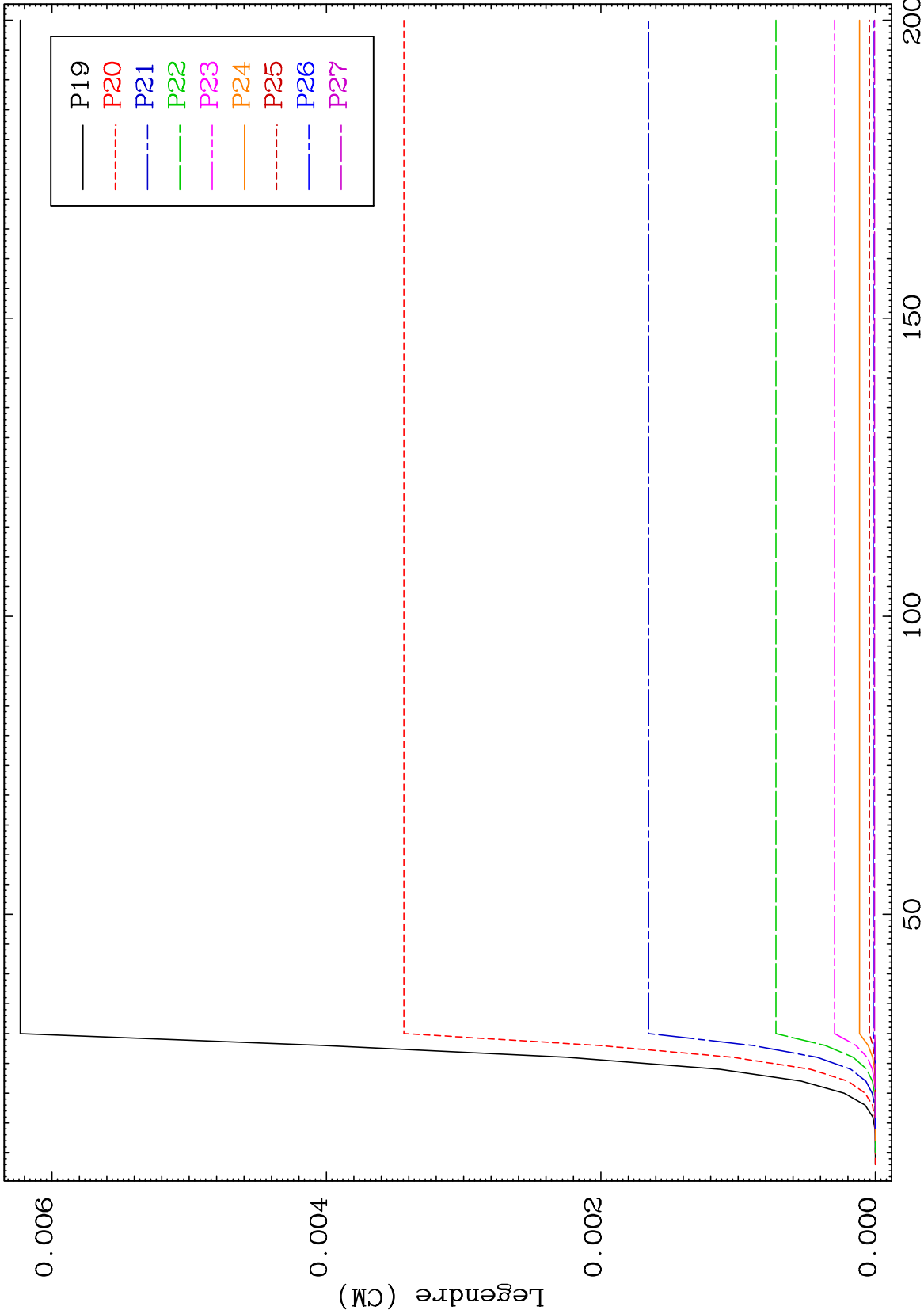
Incident Energy (MeV)

52-Te-124

MAT 5237

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

52-Te-124



126

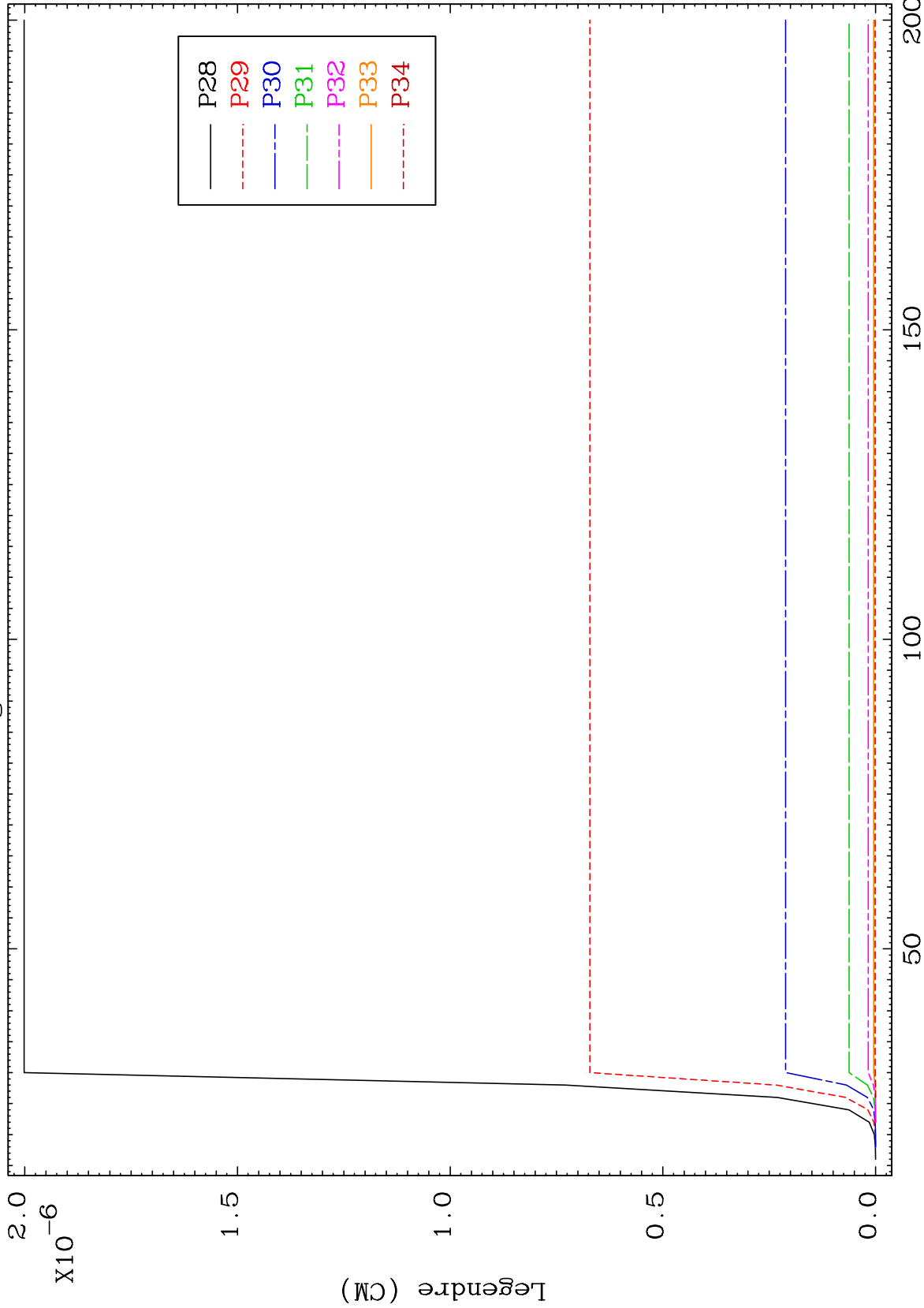
Incident Energy (MeV)

52-Te-124

MAT 5237

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

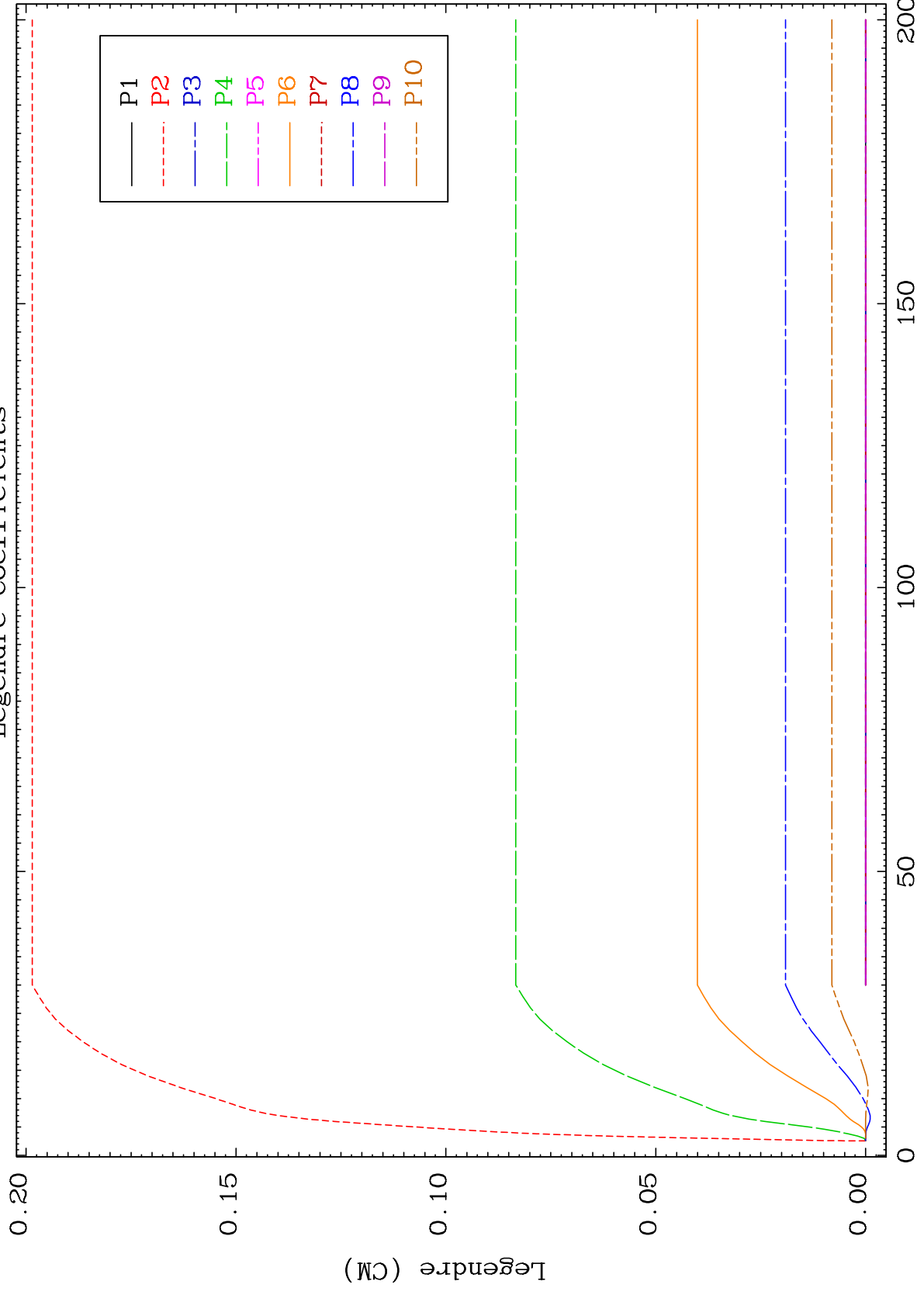
52-Te-124



127

52-Te-124

MAT 5237 MT= 79 (n,n') Level Legendre Coefficients 52-Te-124

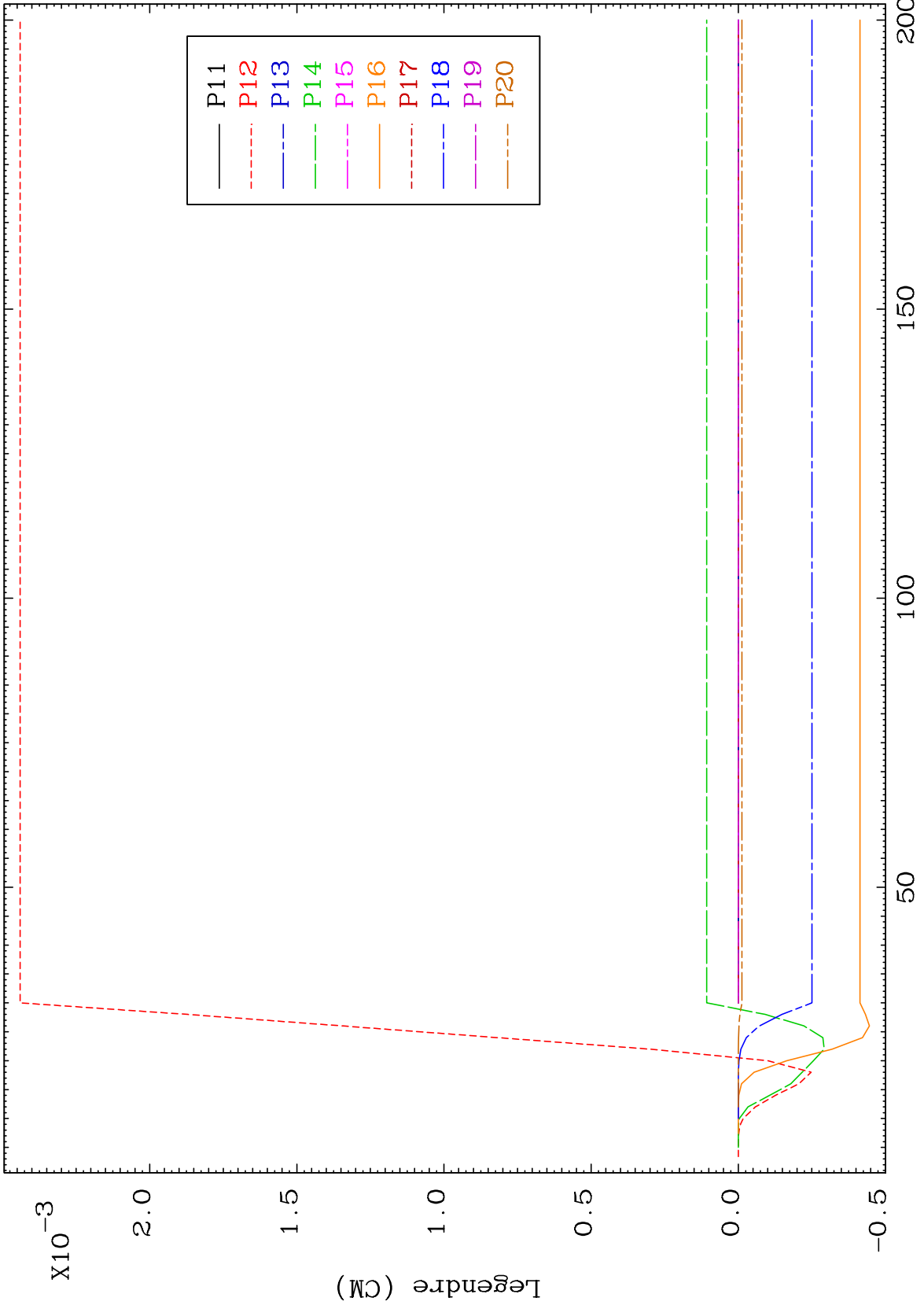


128 52-Te-124

MAT 5237

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

52-Te-124

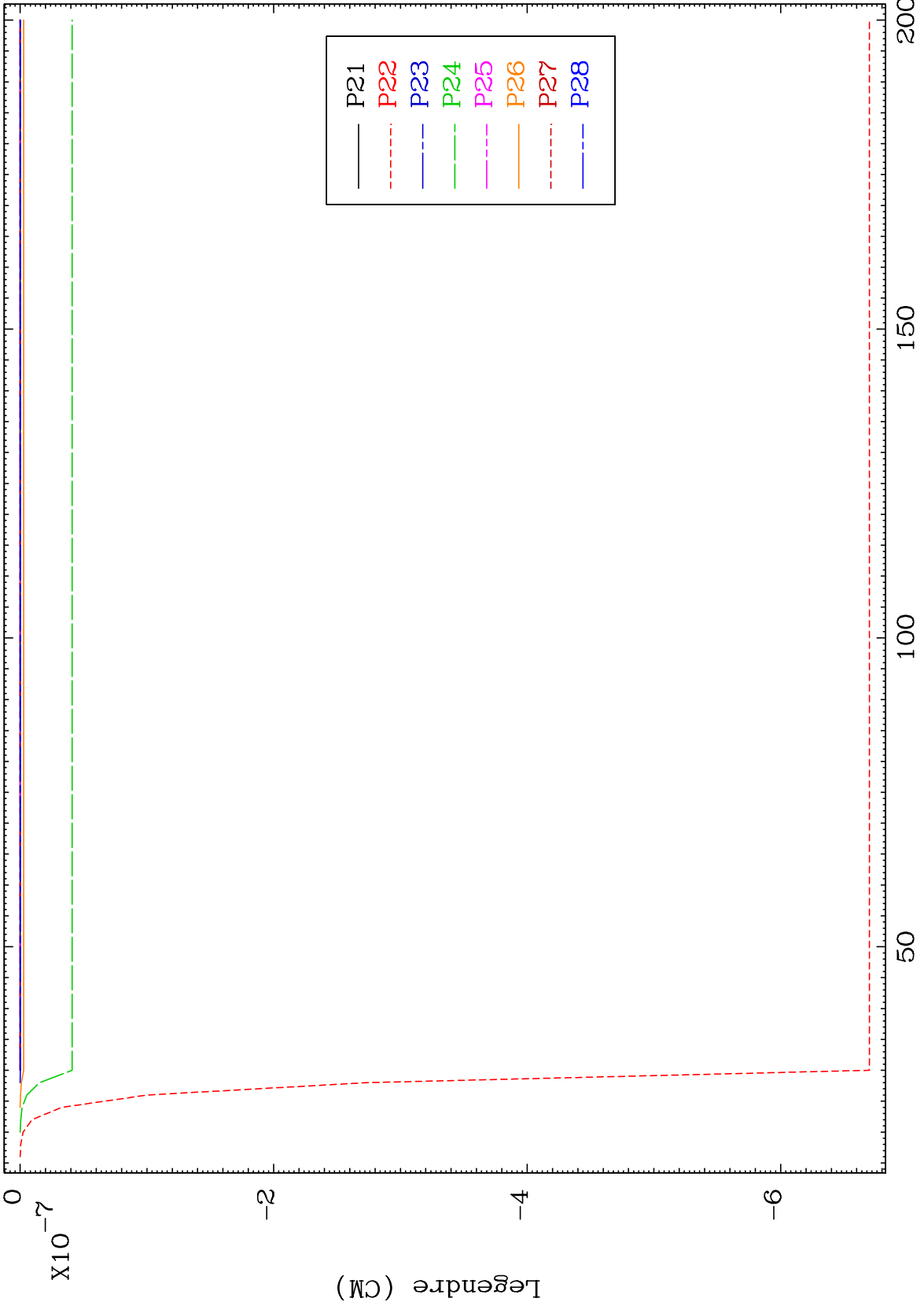


129

Incident Energy (MeV)

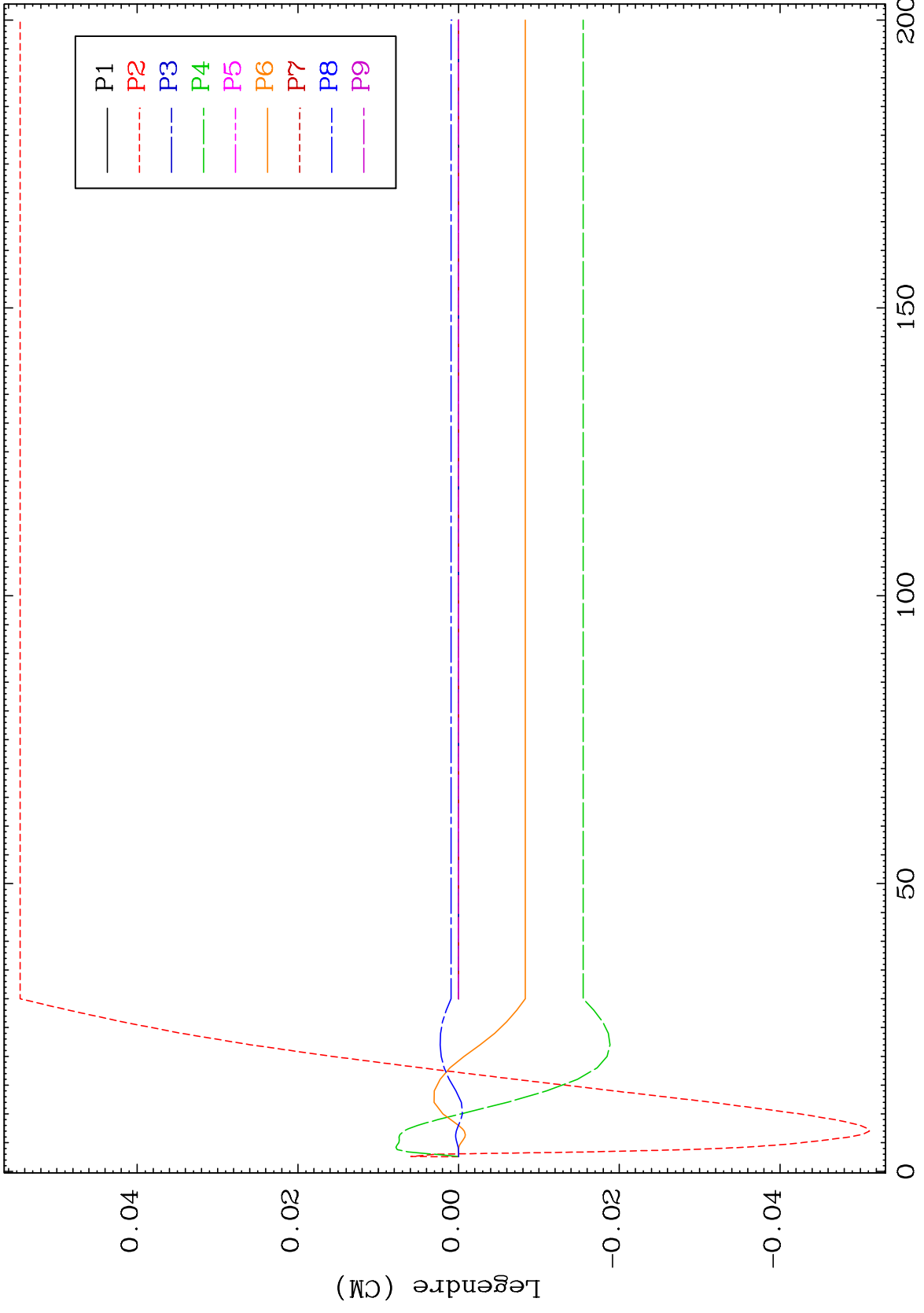
52-Te-124

MAT 5237 MT= 79 (n,n') Level Legendre Coefficients 52-Te-124



130 50 100 150 200 52-Te-124

MAT 5237 MT= 80 (n,n') Level Legendre Coefficients 52-Te-124

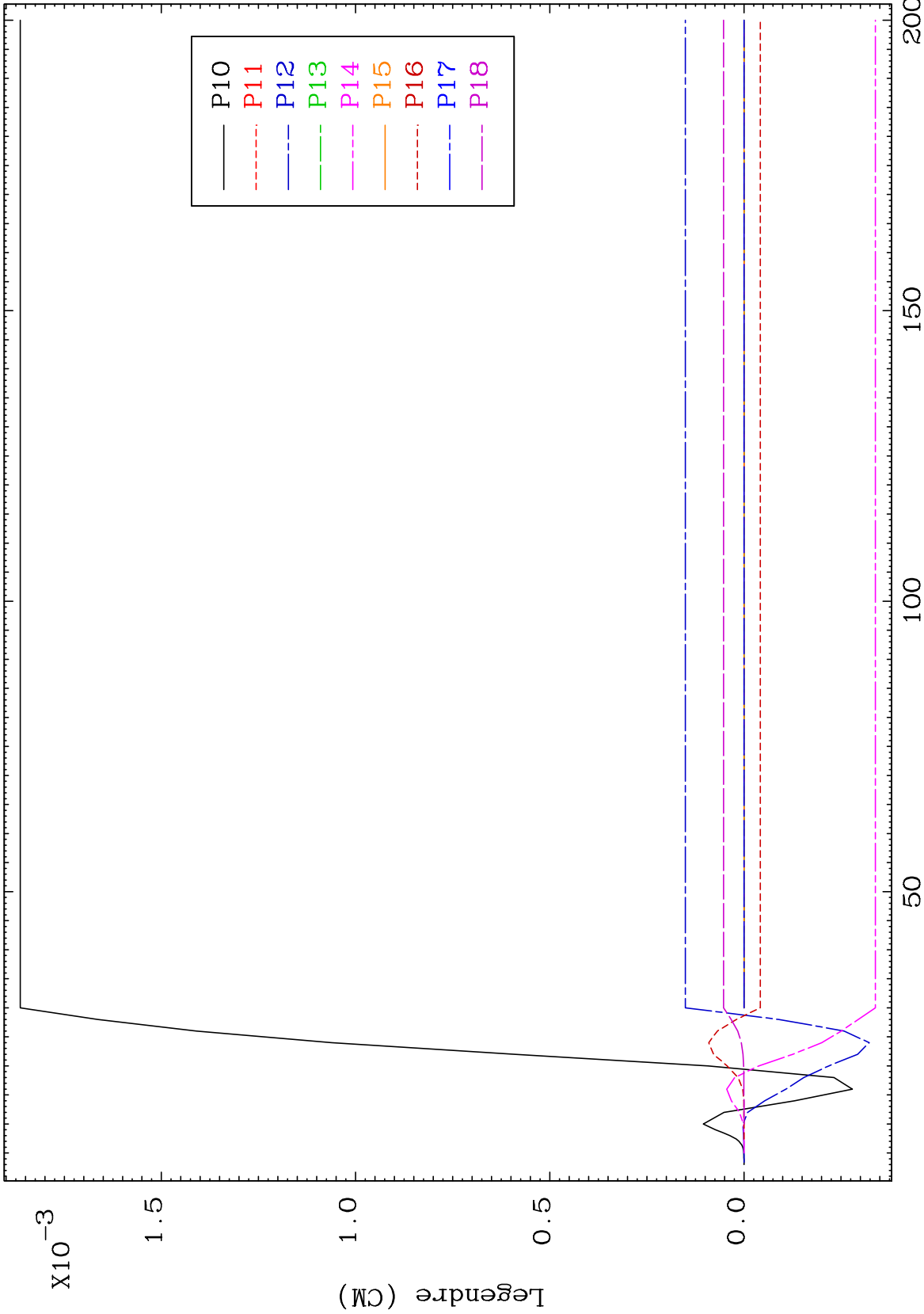


131 52-Te-124

MAT 5237

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

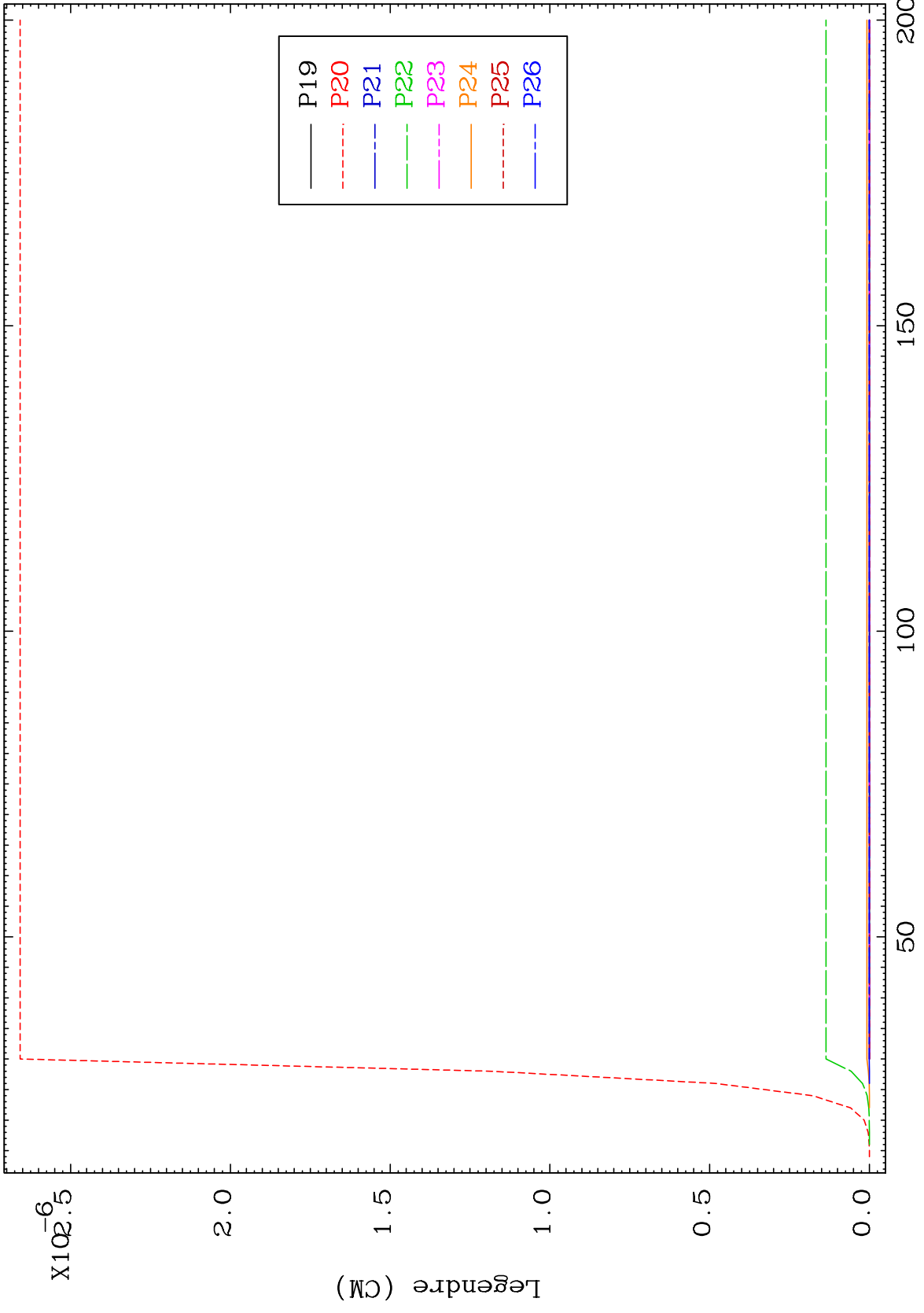
52-Te-124



132

52-Te-124

MAT 5237 MT= 80 (n,n') Level Legendre Coefficients 52-Te-124

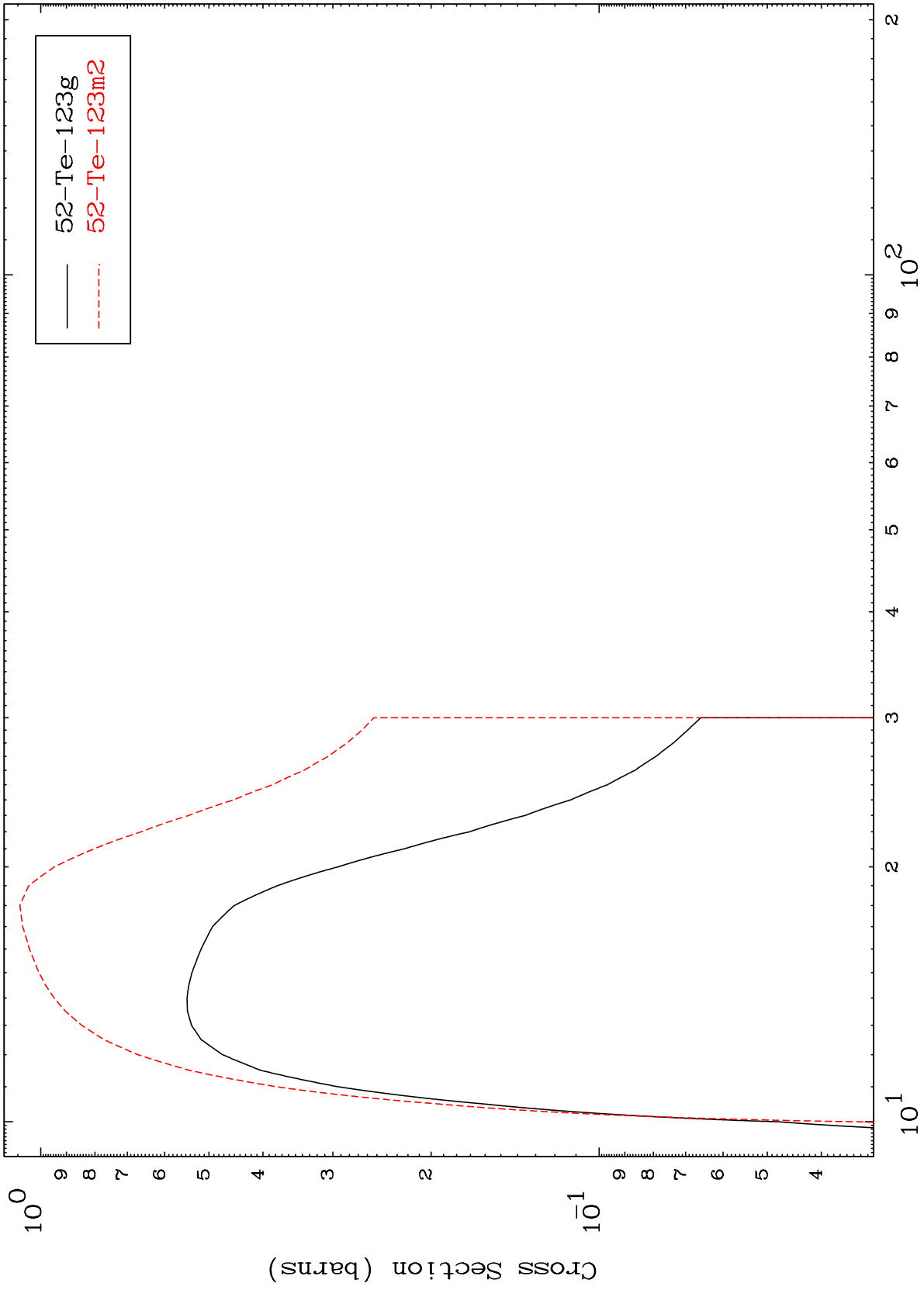


133 52-Te-124

MAT 5237

52-Te-124

(n,2n)
Radionuclide Production Cross Section



134

Incident Energy (MeV)

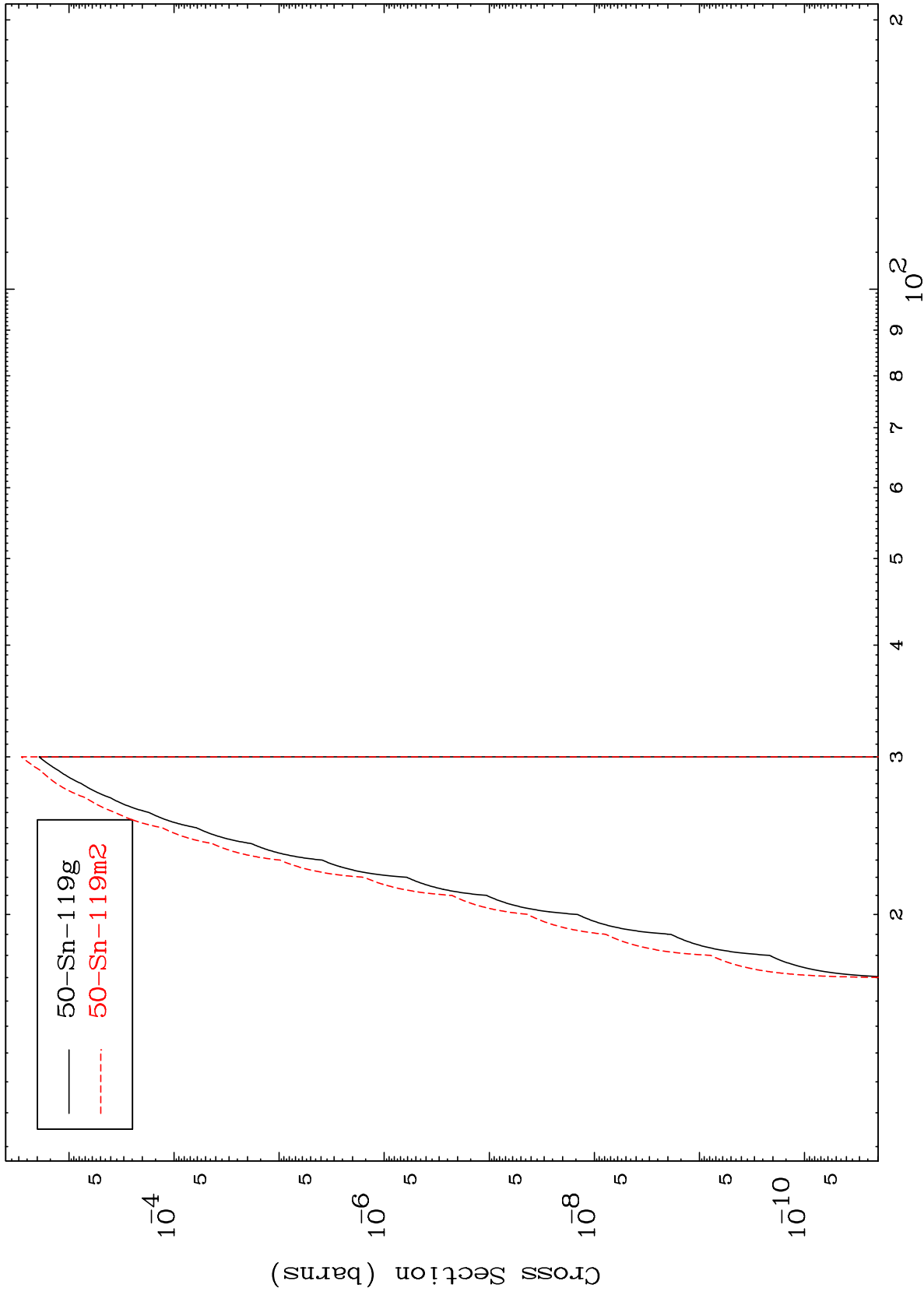
52-Te-124

MAT 5237

(n,2n) α

52-Te-124

Radionuclide Production Cross Section



135

Incident Energy (MeV)

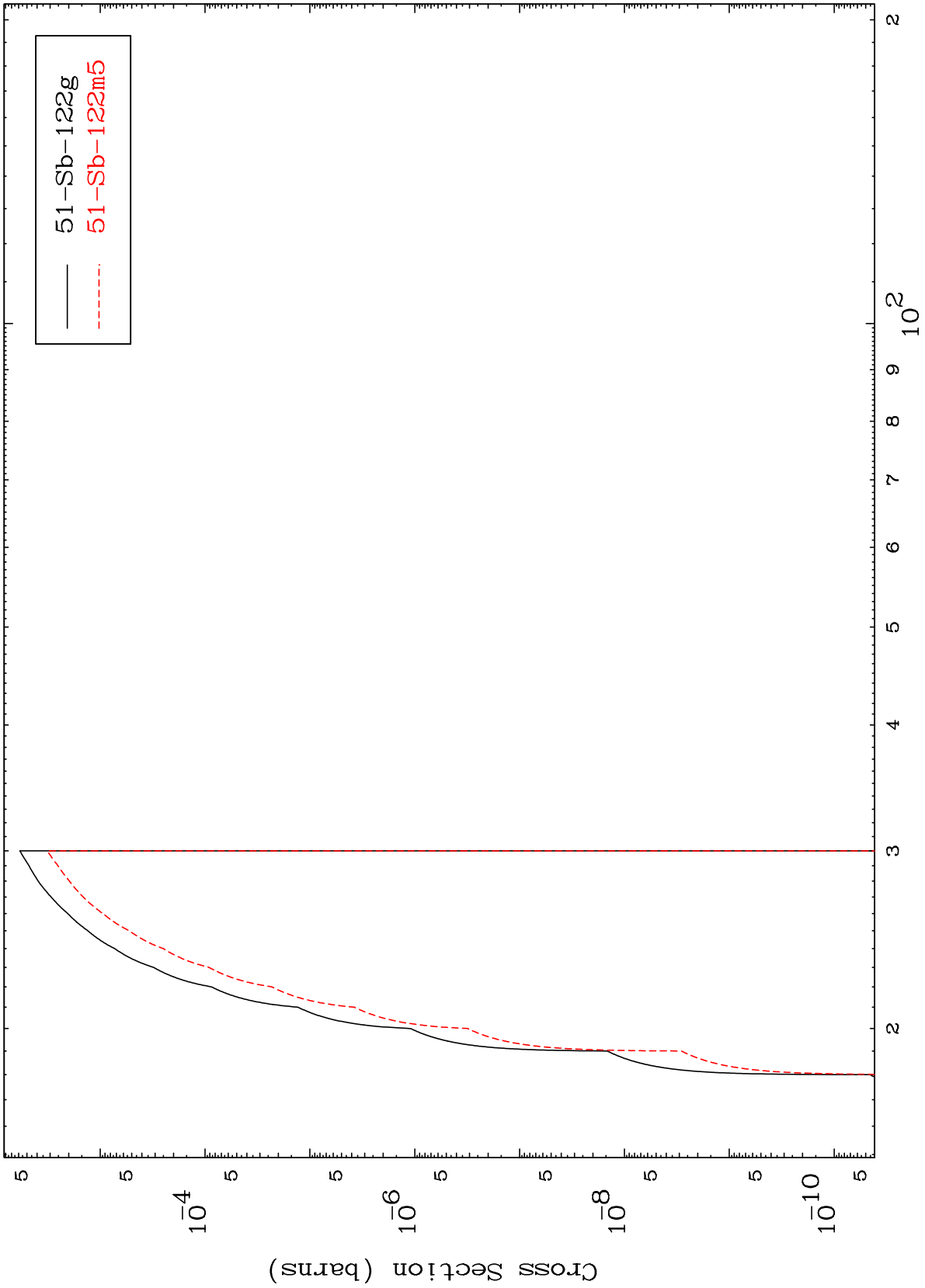
52-Te-124

MAT 5237

(n,n') d

52-Te-124

Radionuclide Production Cross Section



136

Incident Energy (MeV)

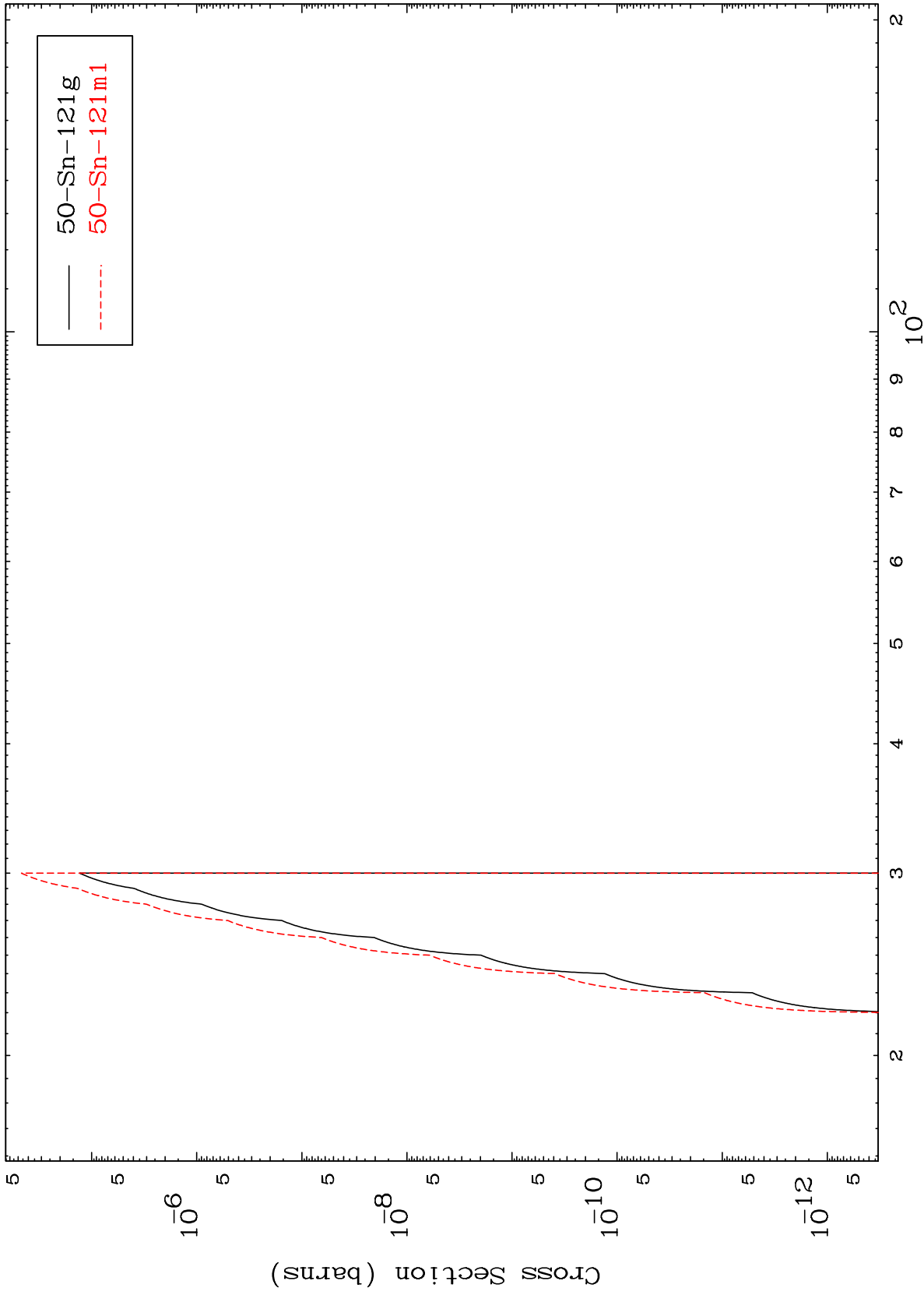
52-Te-124

MAT 5237

(n, n') He-3

52-Te-124

Radionuclide Production Cross Section



137

Incident Energy (MeV)

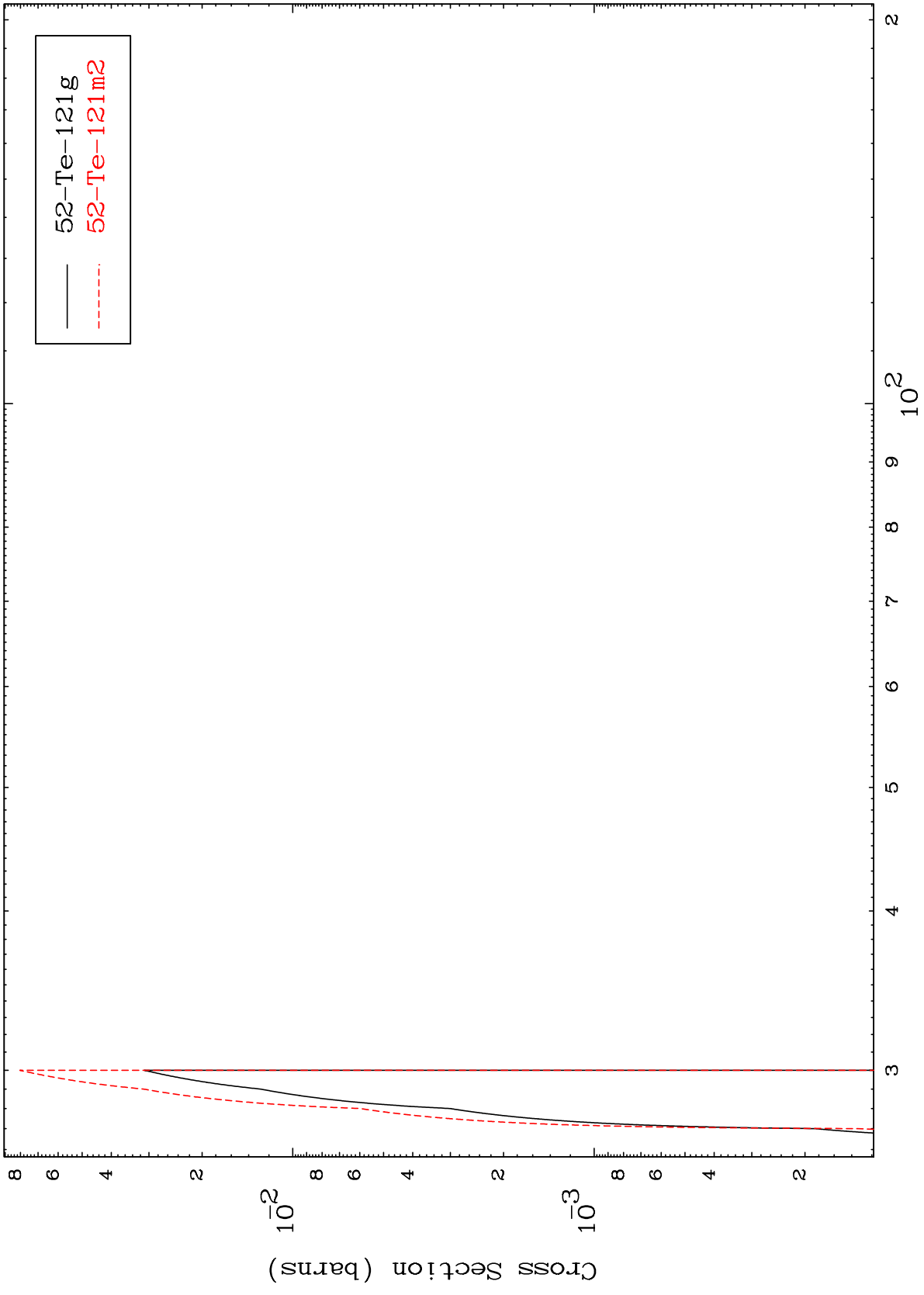
52-Te-124

MAT 5237

(n,4n)

52-Te-124

Radionuclide Production Cross Section



138

Incident Energy (MeV)

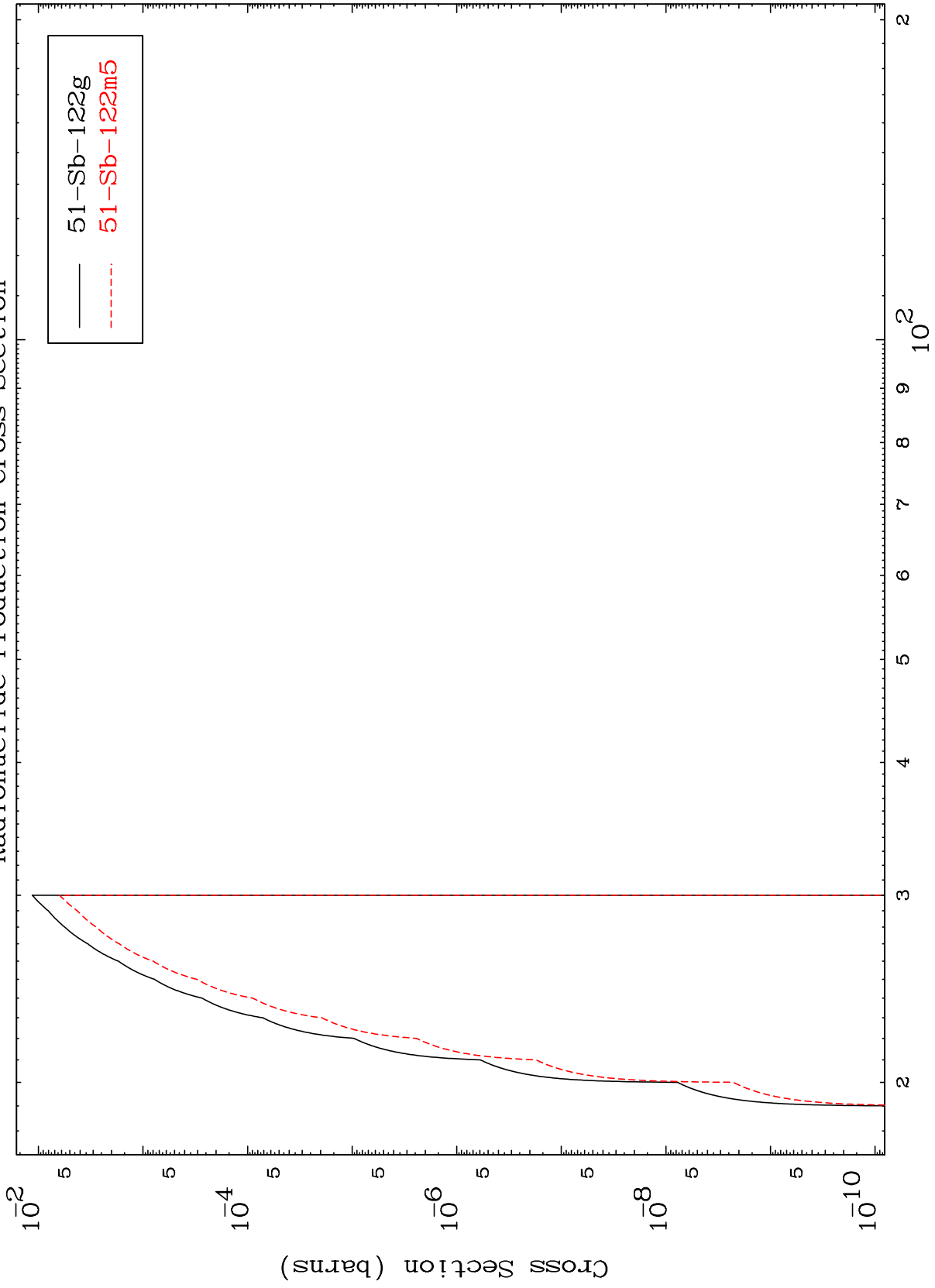
52-Te-124

MAT 5237

(n,2n) p

52-Te-124

Radionuclide Production Cross Section



139

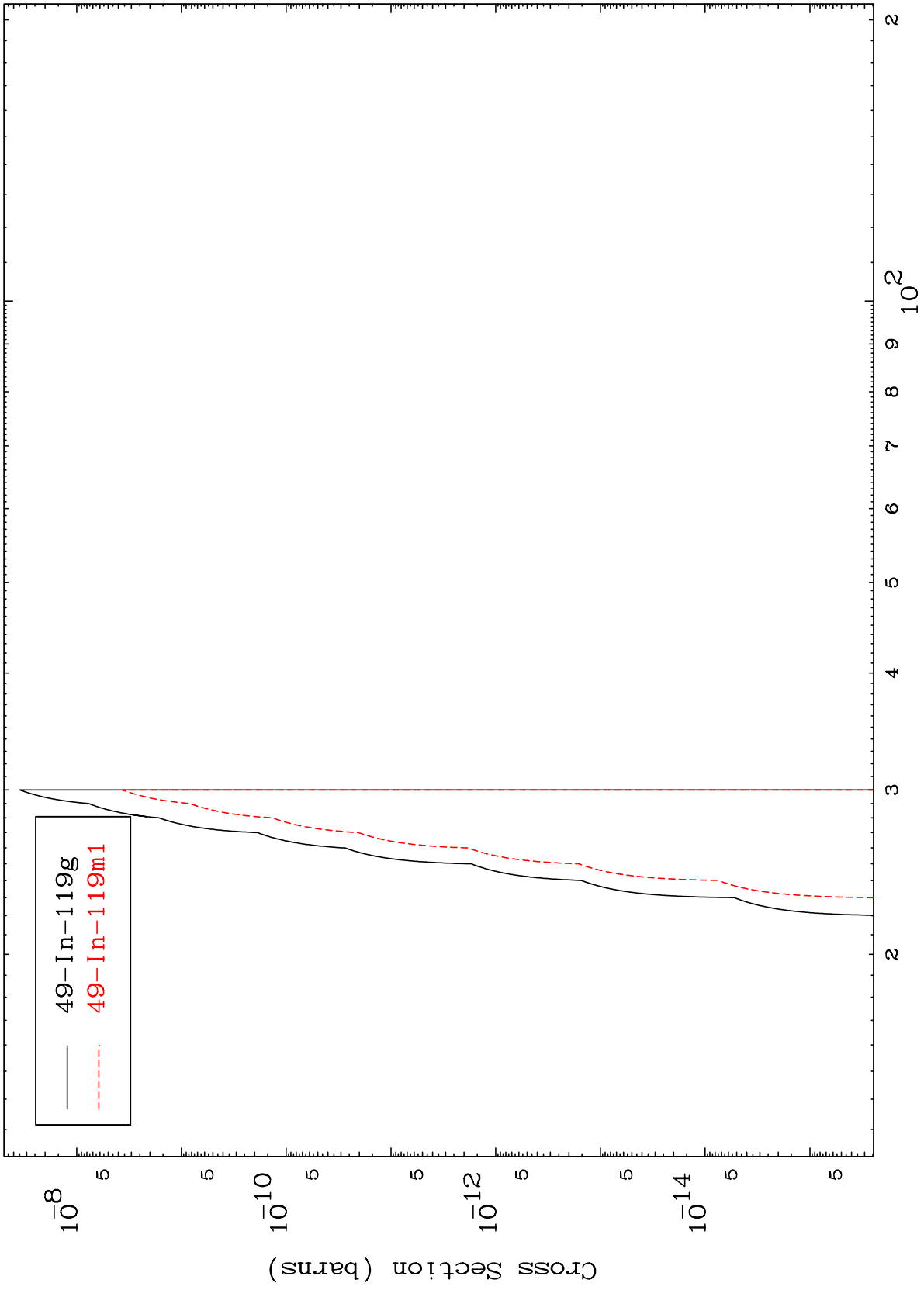
Incident Energy (MeV)

52-Te-124

MAT 5237

52-Te-124

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



140

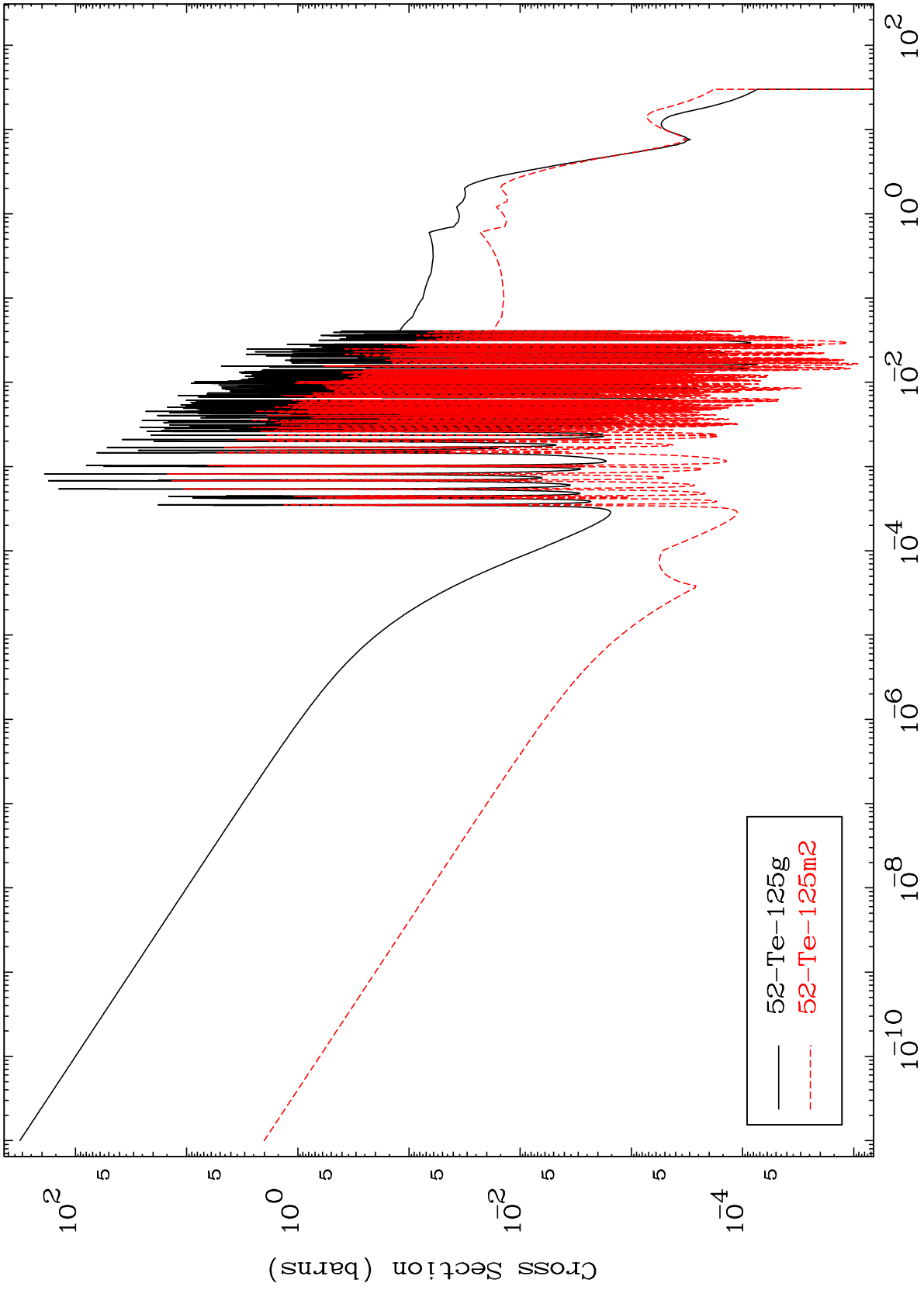
52-Te-124

MAT 5237

52-Te-124

Radionuclide Production Cross Section

(n,γ)



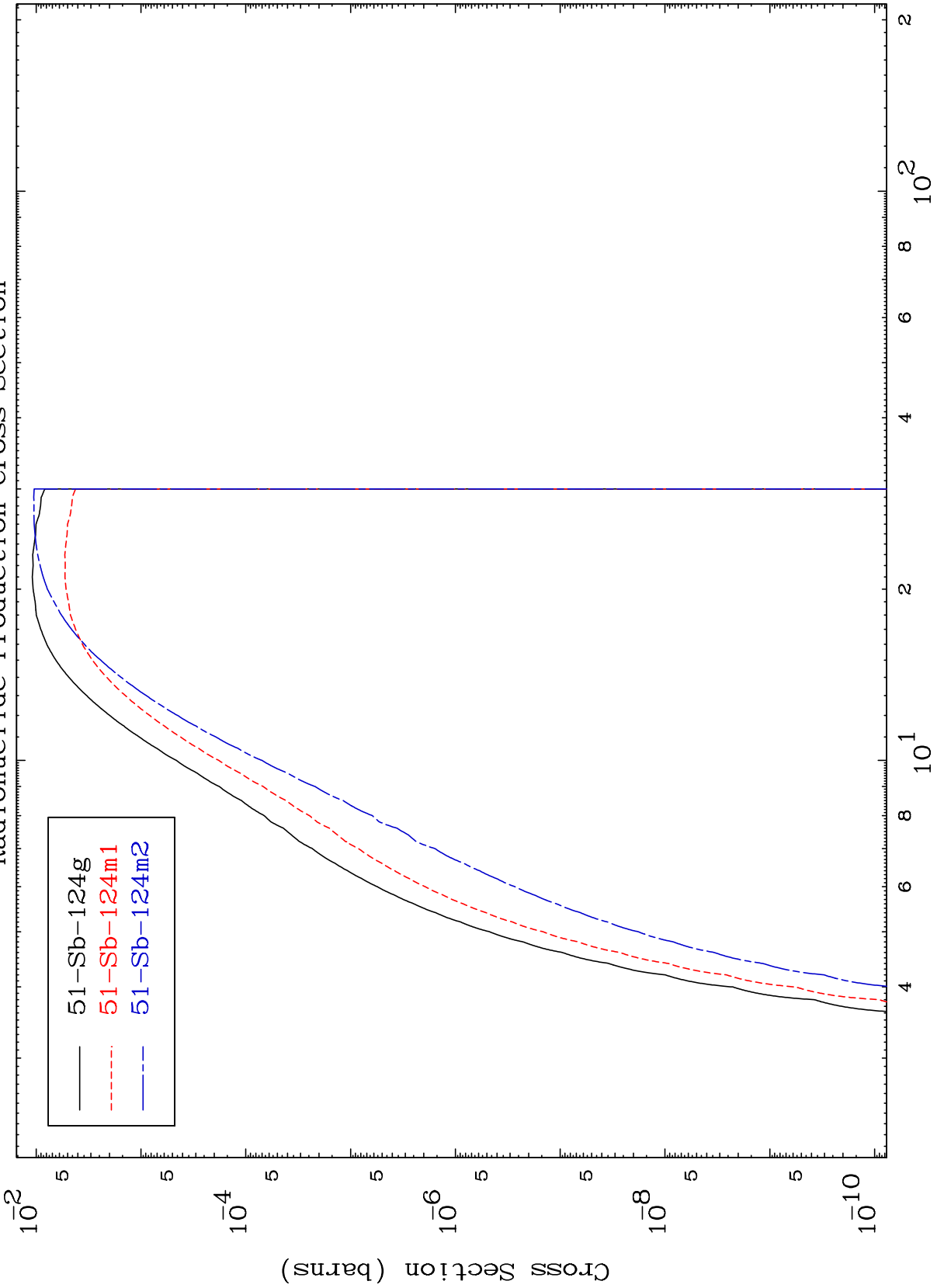
141

52-Te-124

MAT 5237

52-Te-124

Radionuclide Production Cross Section (n,p)



51-Sb-124g
51-Sb-124m1
51-Sb-124m2

142

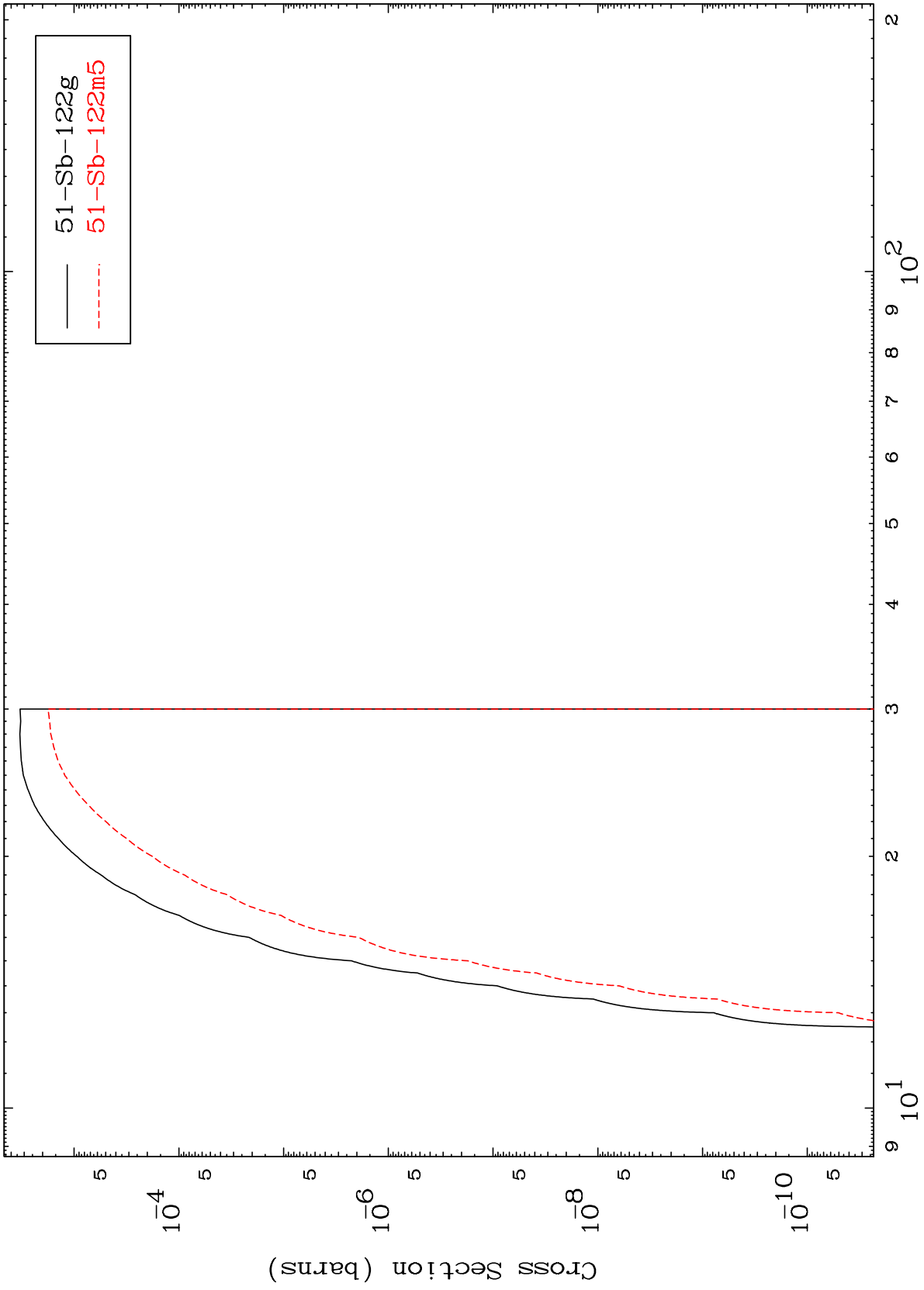
52-Te-124

Incident Energy (MeV)

MAT 5237

52-Te-124

Radionuclide Production Cross Section



143

Incident Energy (MeV)

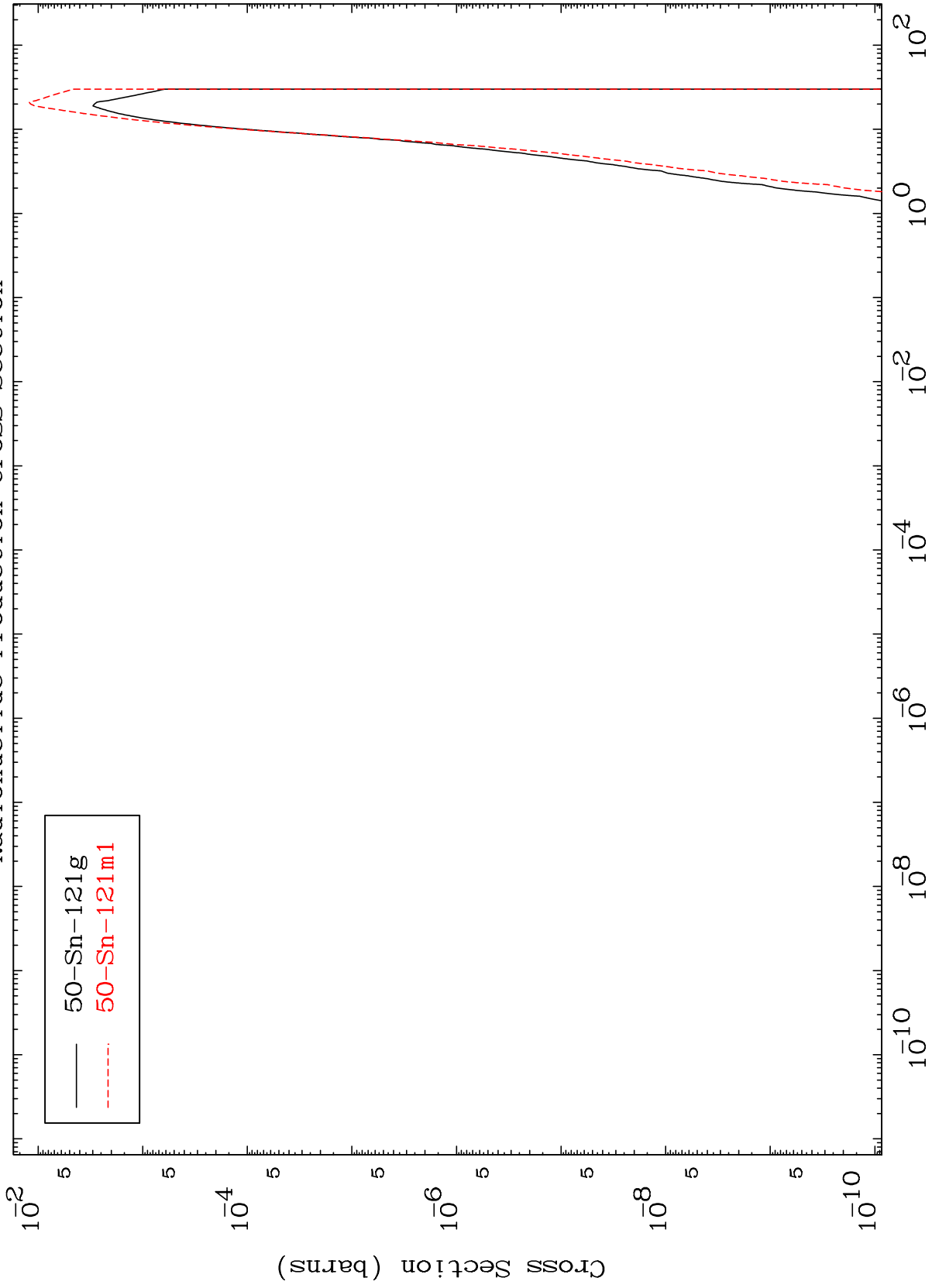
52-Te-124

MAT 5237

(n, α)

⁵²Te-124

Radionuclide Production Cross Section



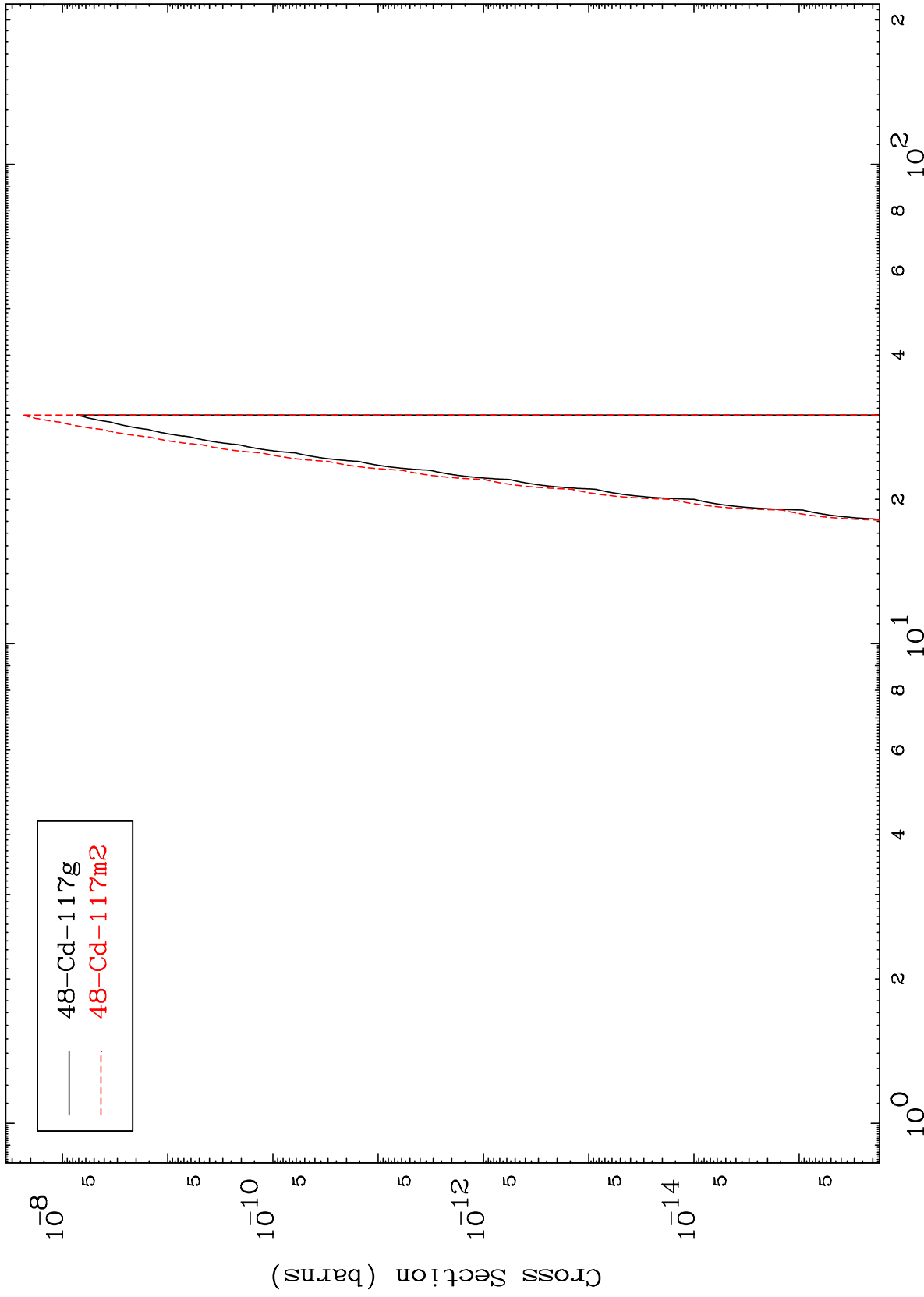
50-Sn-121g
50-Sn-121m1

MAT 5237

(n,2α)

52-Te-124

Radionuclide Production Cross Section



145

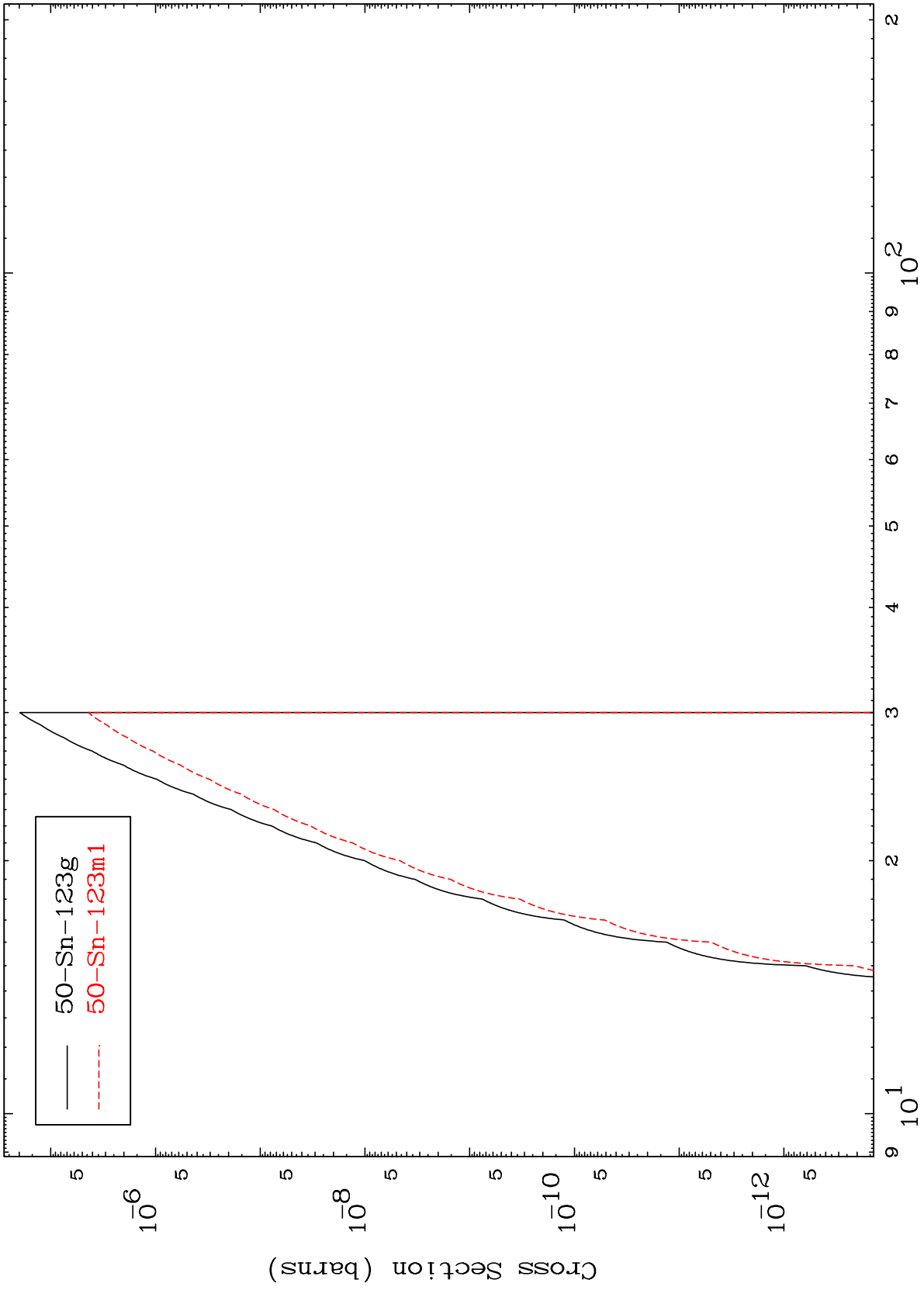
Incident Energy (MeV)

52-Te-124

MAT 5237

52-Te-124

Radionuclide Production Cross Section (n,2p)



146

Incident Energy (MeV)

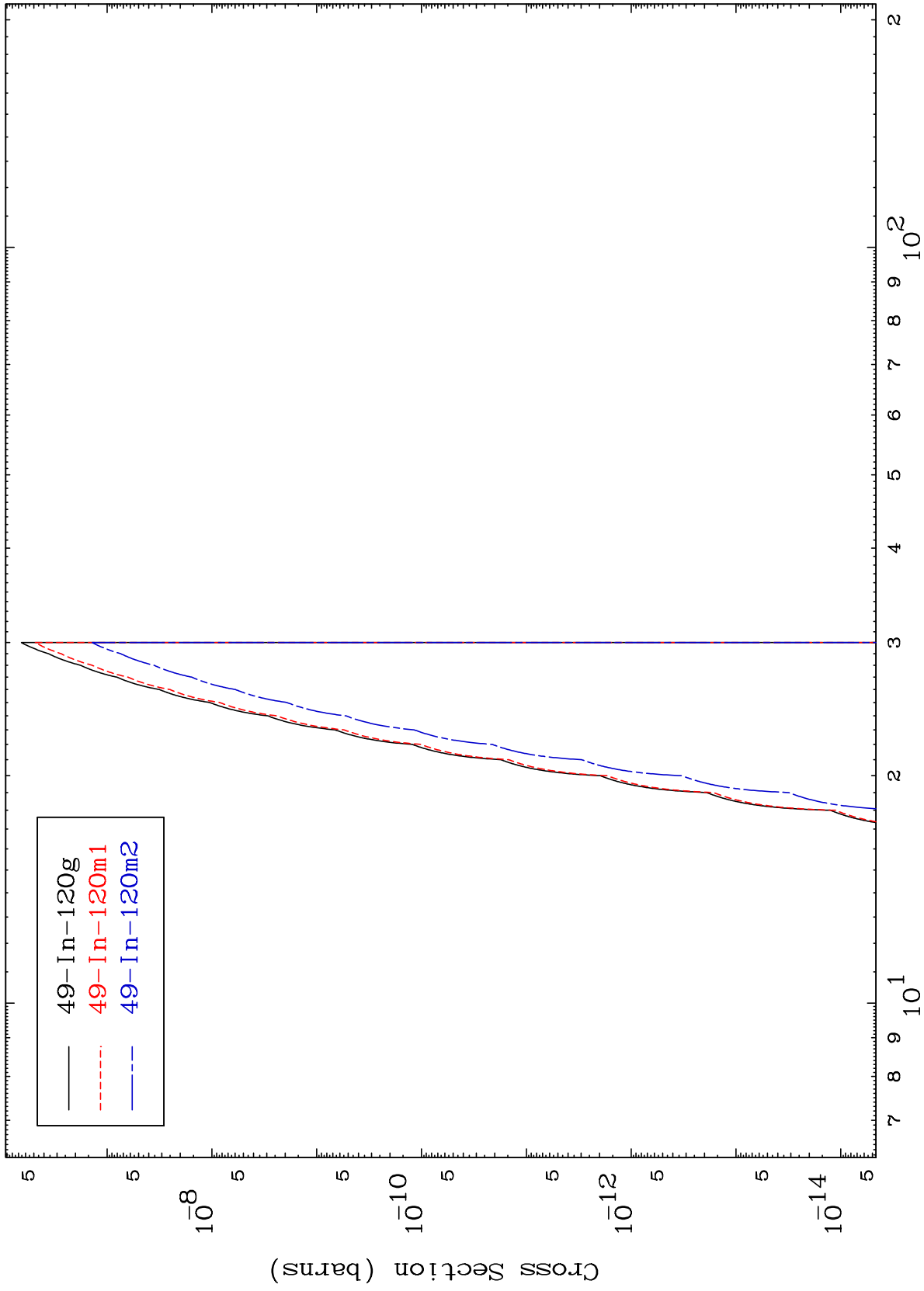
52-Te-124

MAT 5237

(n,p) α

52-Te-124

Radionuclide Production Cross Section



147

Incident Energy (MeV)

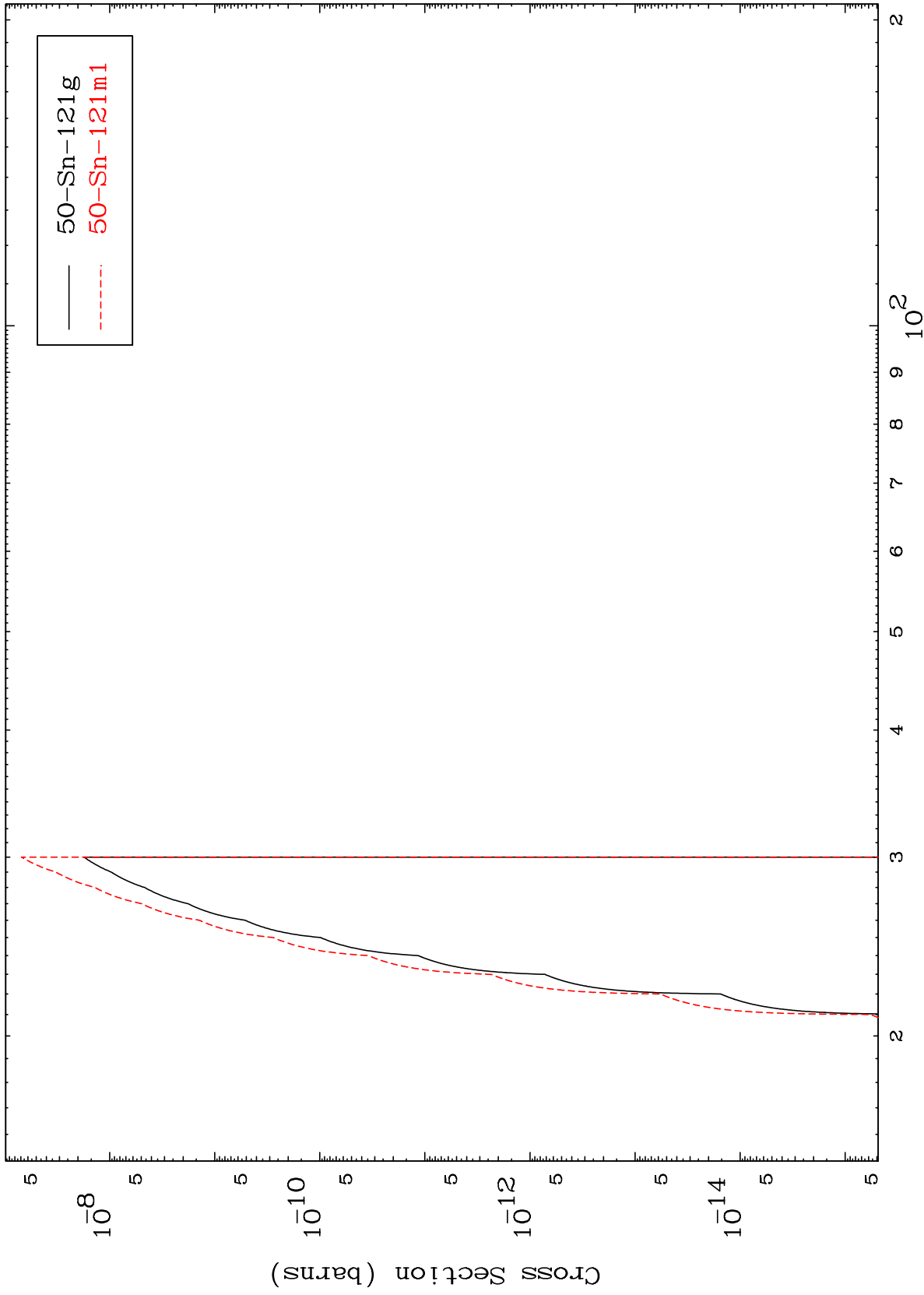
52-Te-124

MAT 5237

(n,p) t

⁵²Te-124

Radionuclide Production Cross Section



148

Incident Energy (MeV)

⁵²Te-124