

Program EVALPLOT
(Version 2018-1)

by

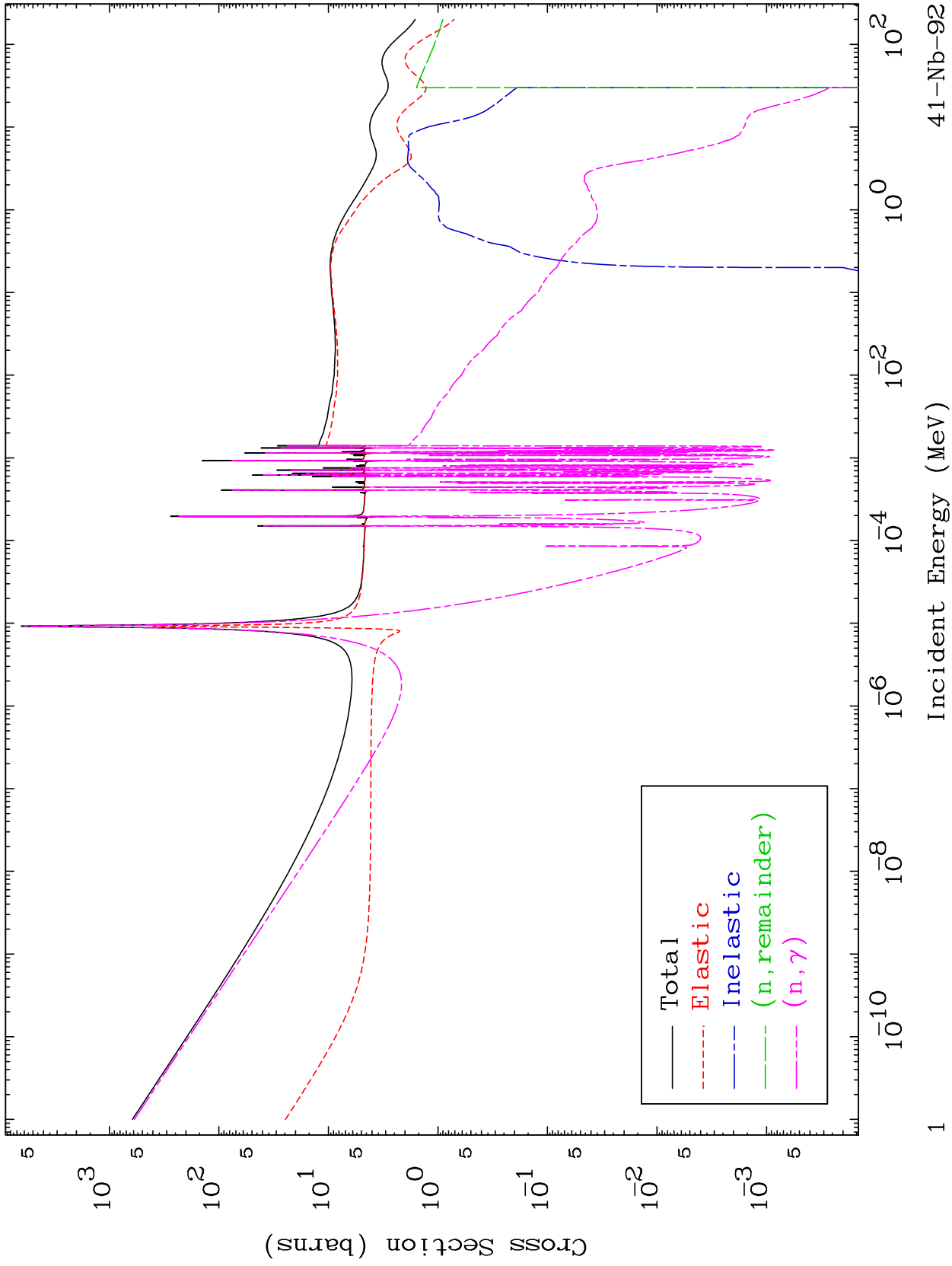
Dermott E. Cullen
(Present Contact Information)

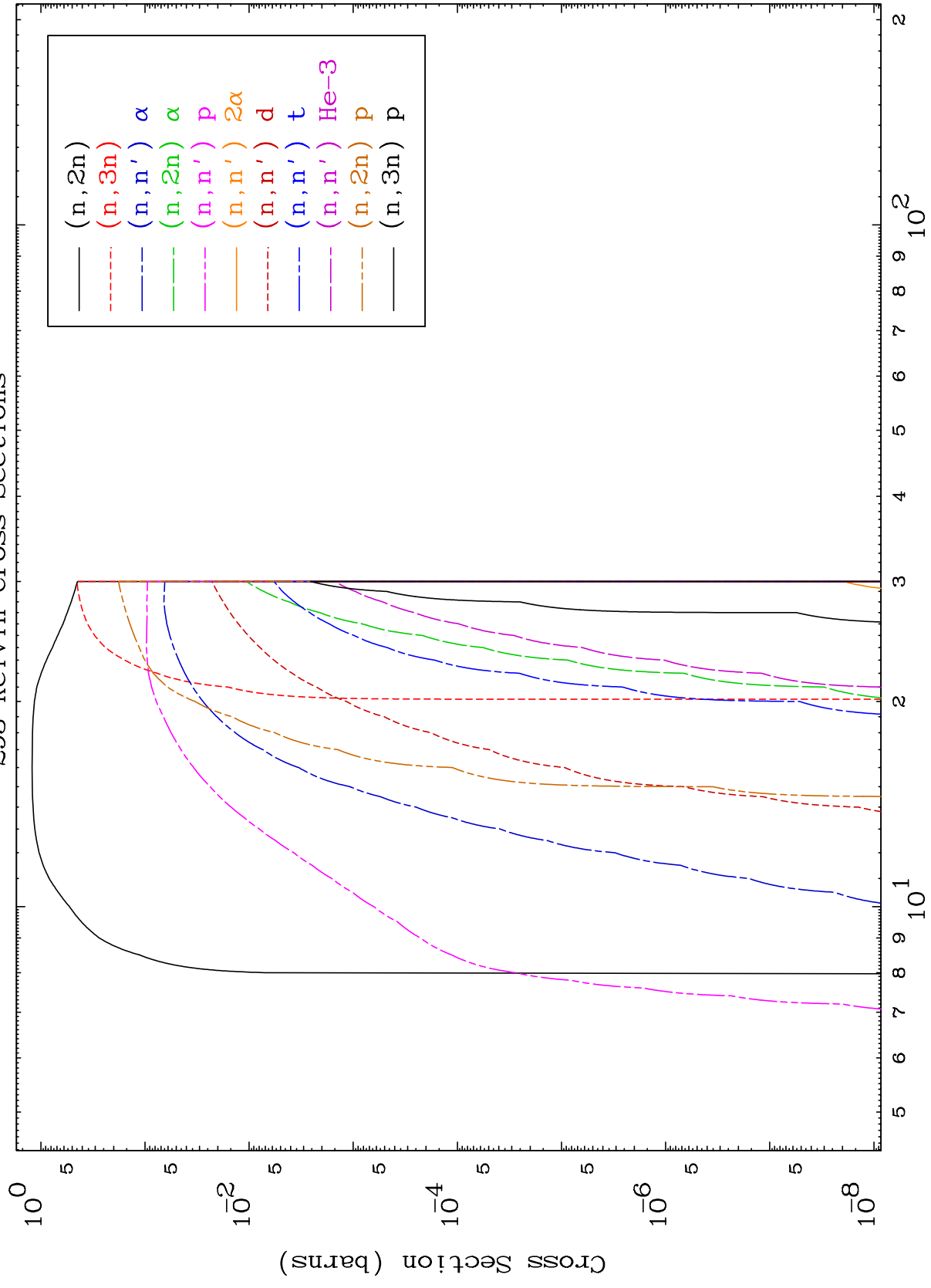
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E.Mail:redcullen1@comcast.net
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Press Mouse Button to Start

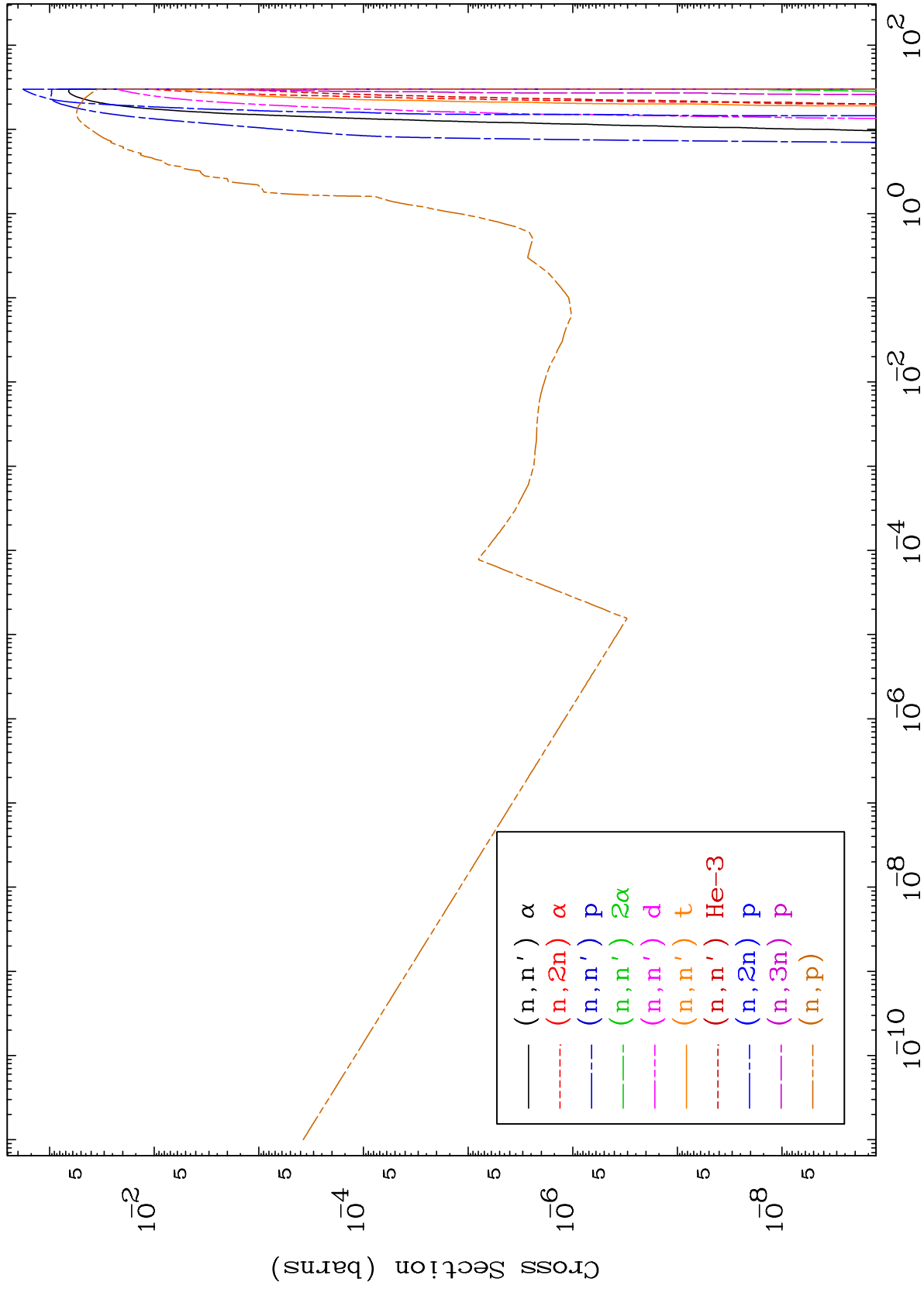




MAT 4122

Charged Particle
293 Kelvin Cross Sections

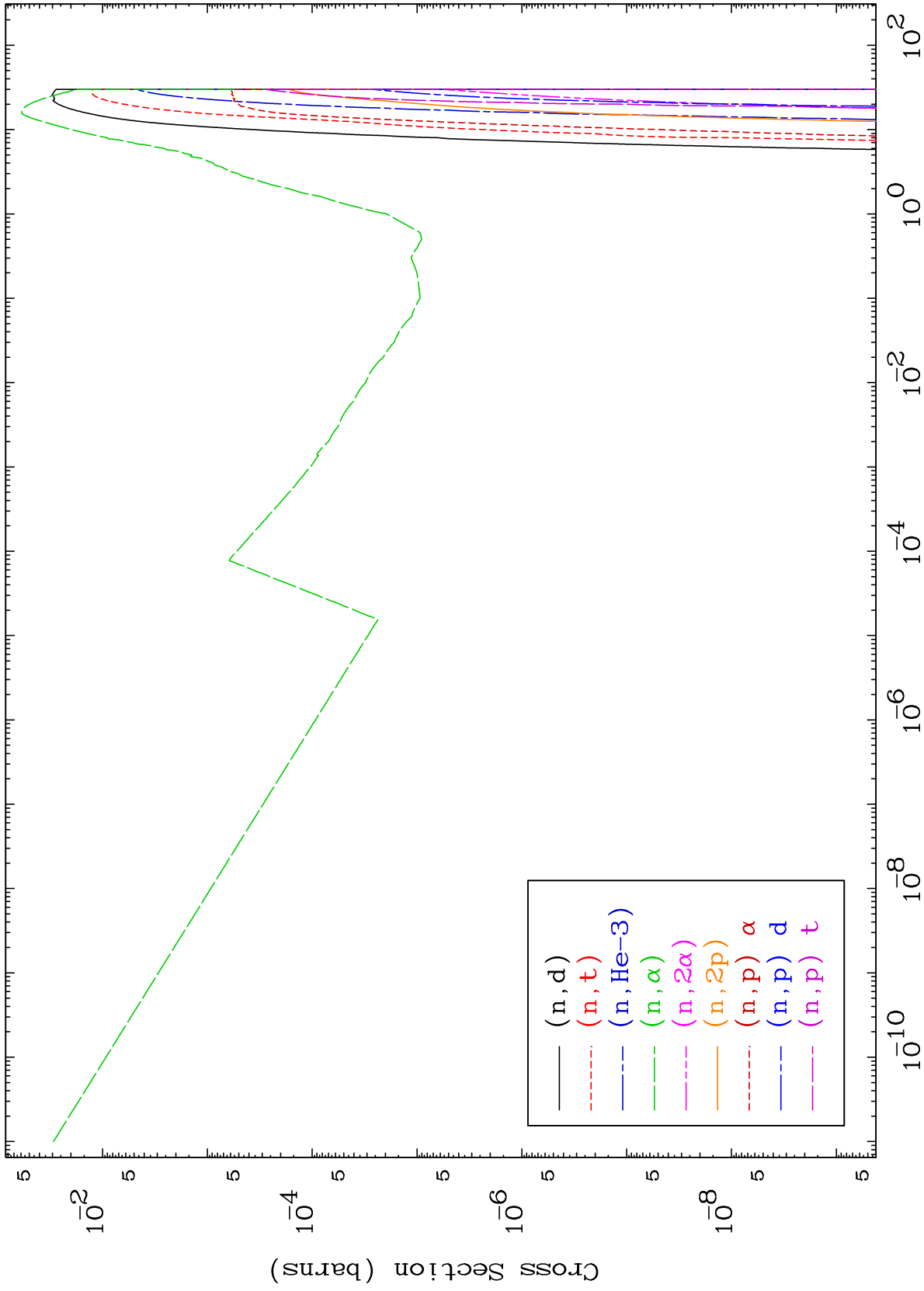
41-Nb-92

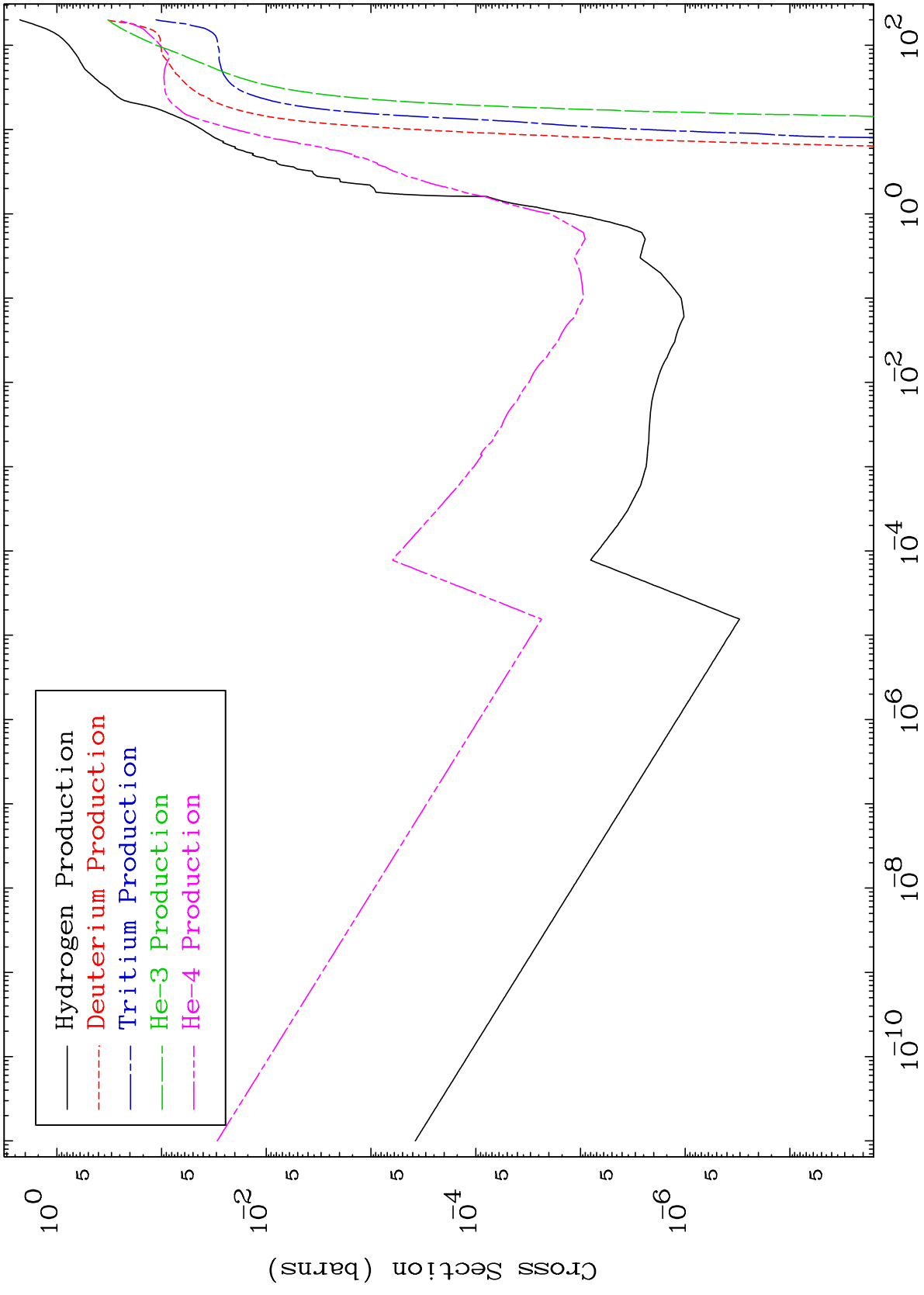


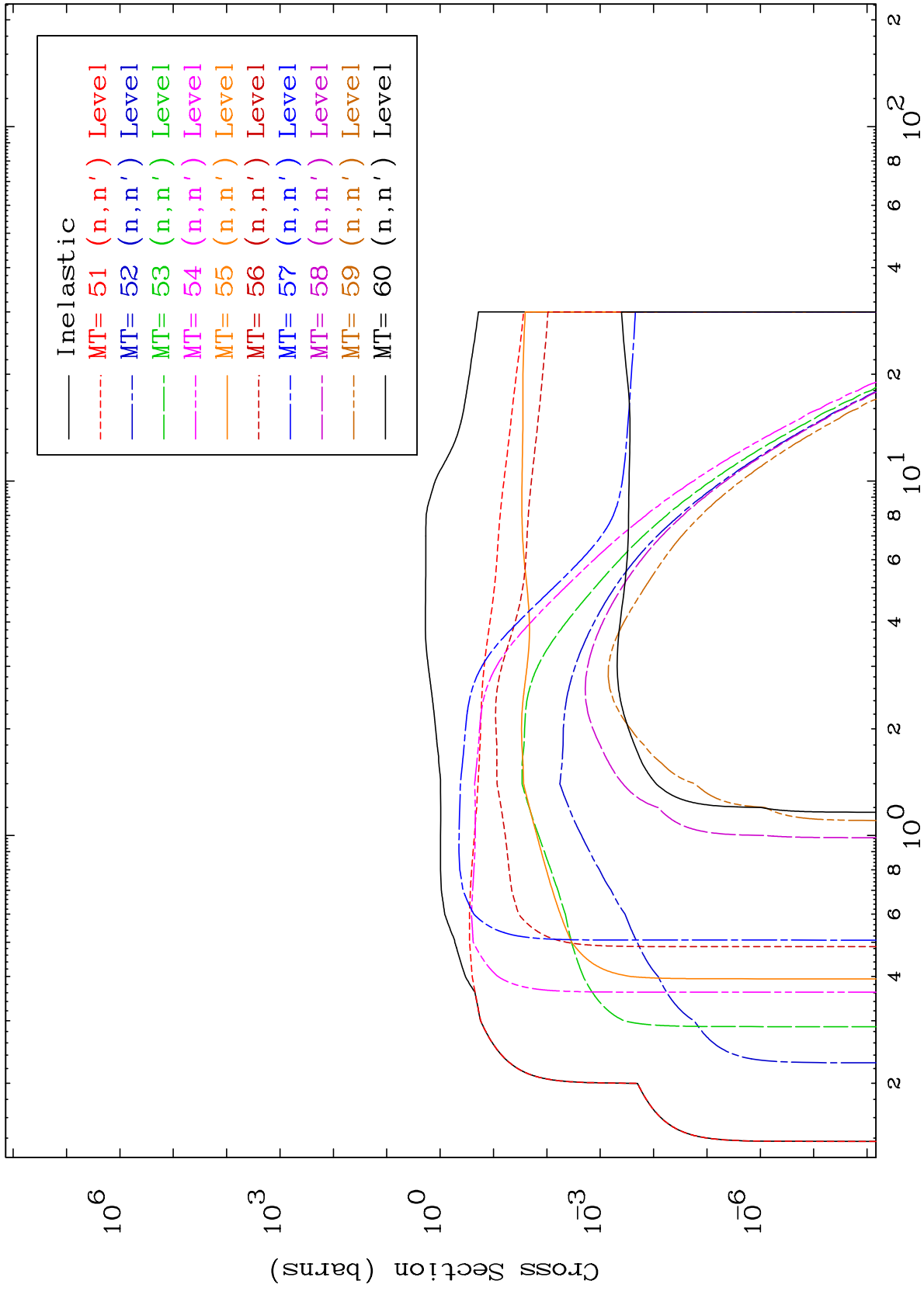
MAT 4122

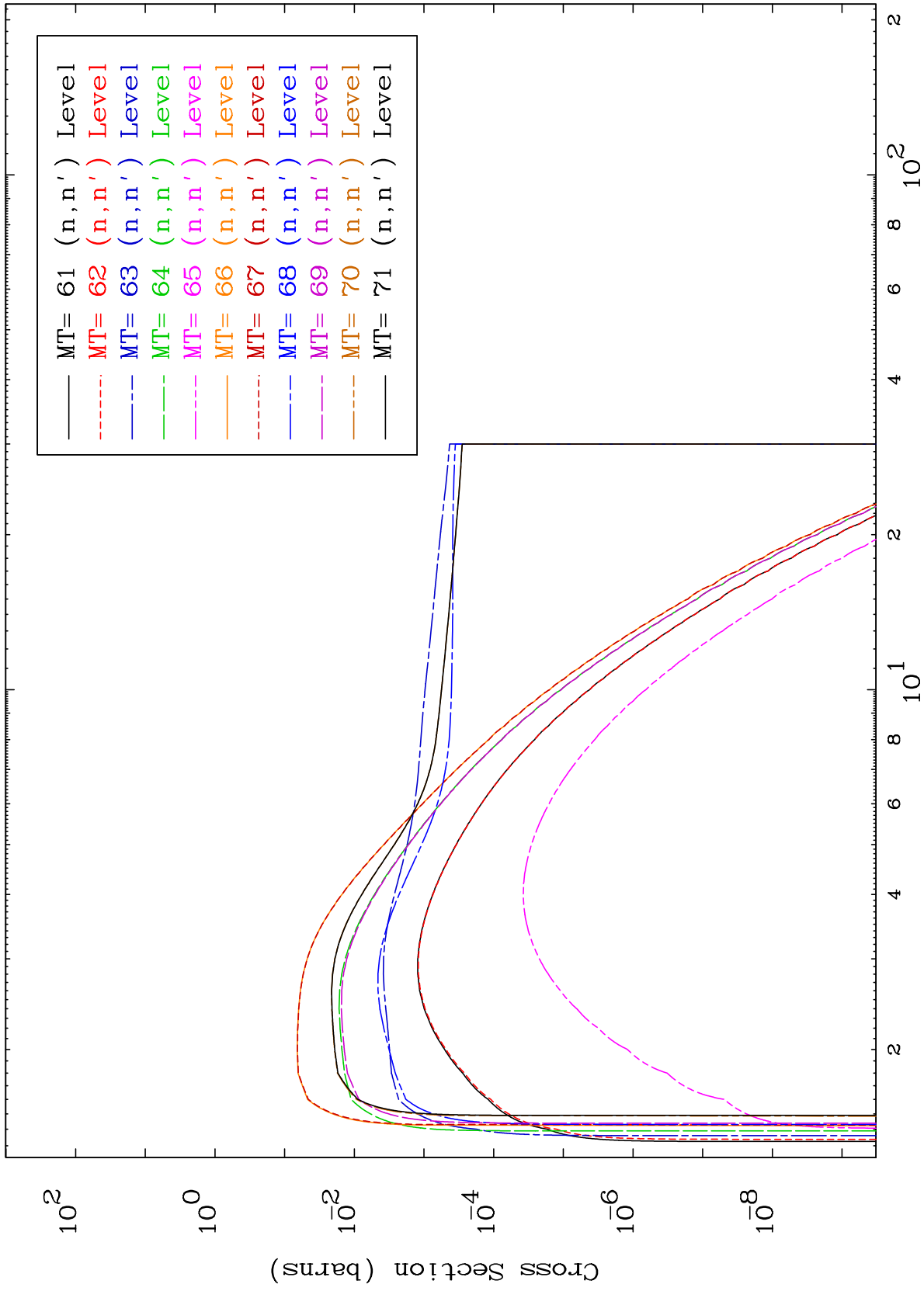
293 Kelvin Cross Sections

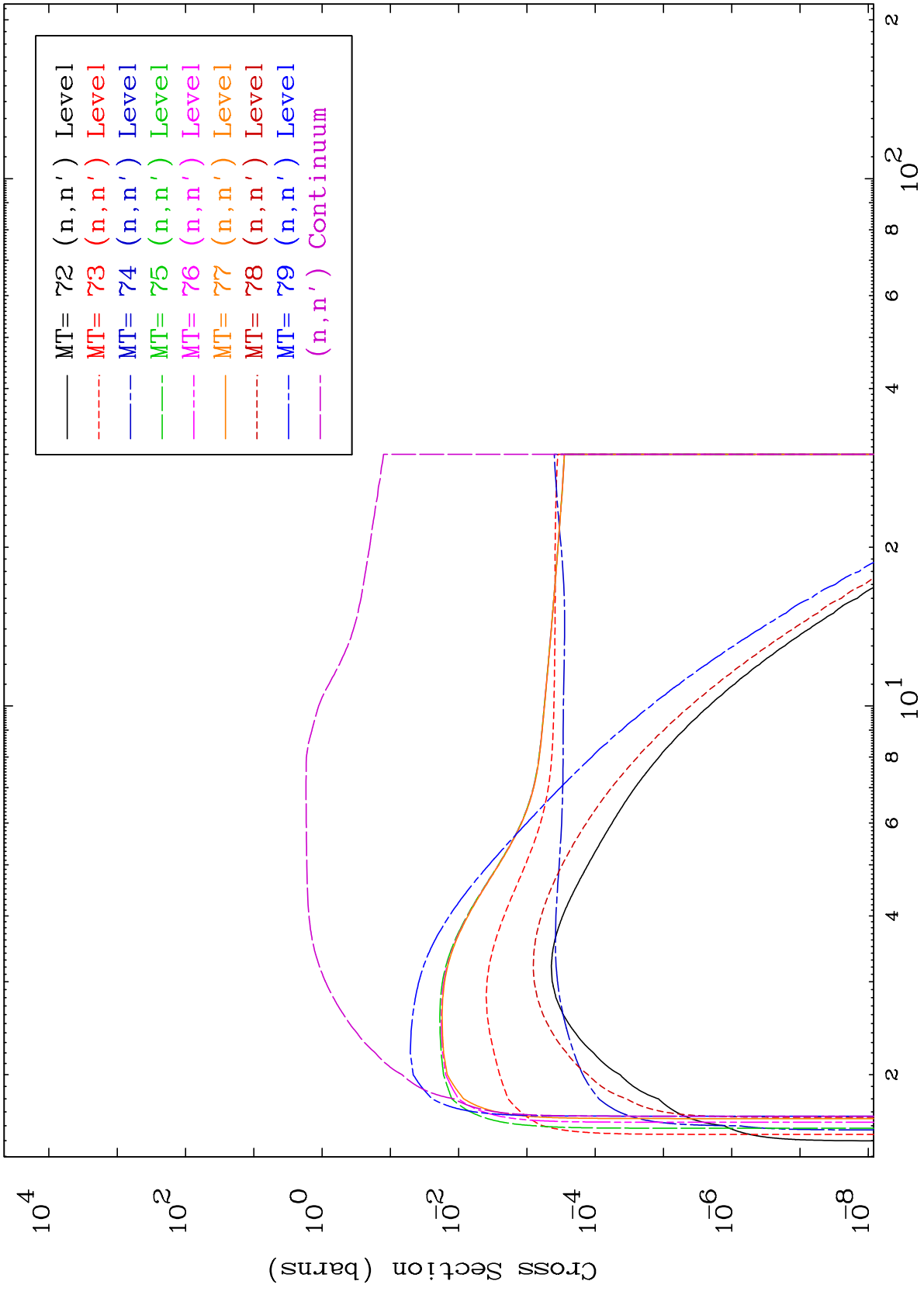
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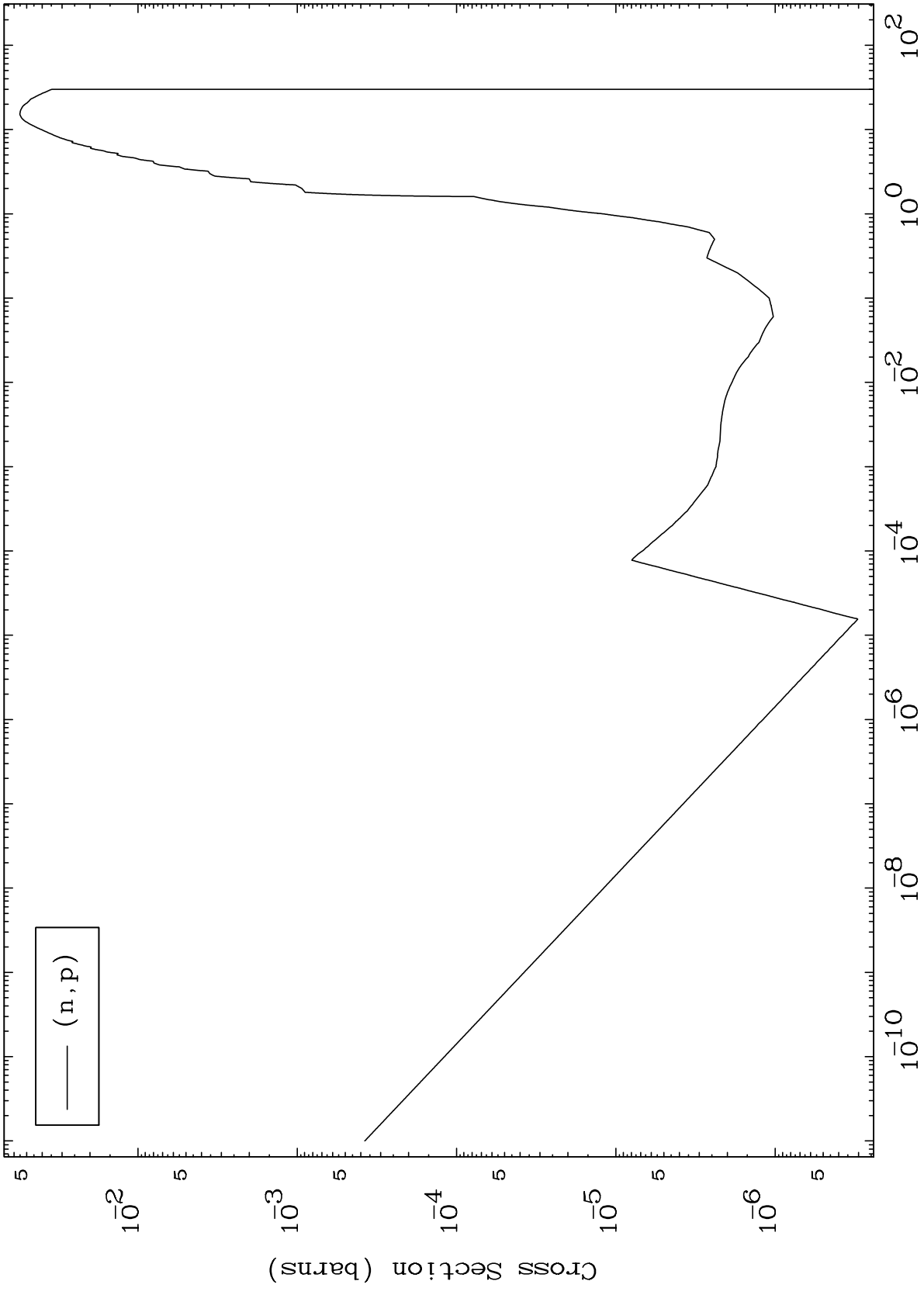




MAT 4122

(n,p) Levels
293 Kelvin Cross Sections

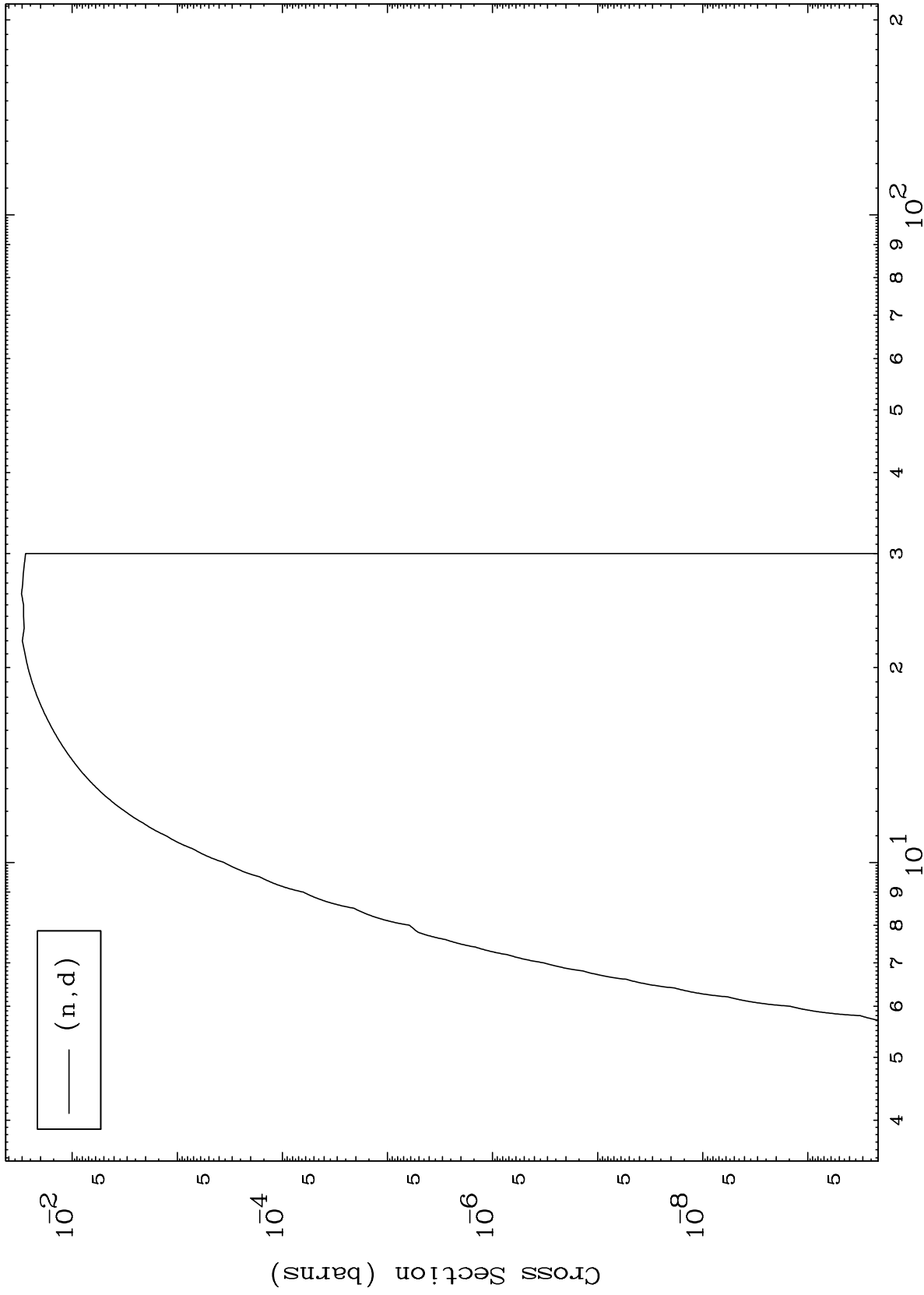
41-Nb-92



MAT 4122

(n,d) Levels
293 Kelvin Cross Sections

41-Nb-92



10

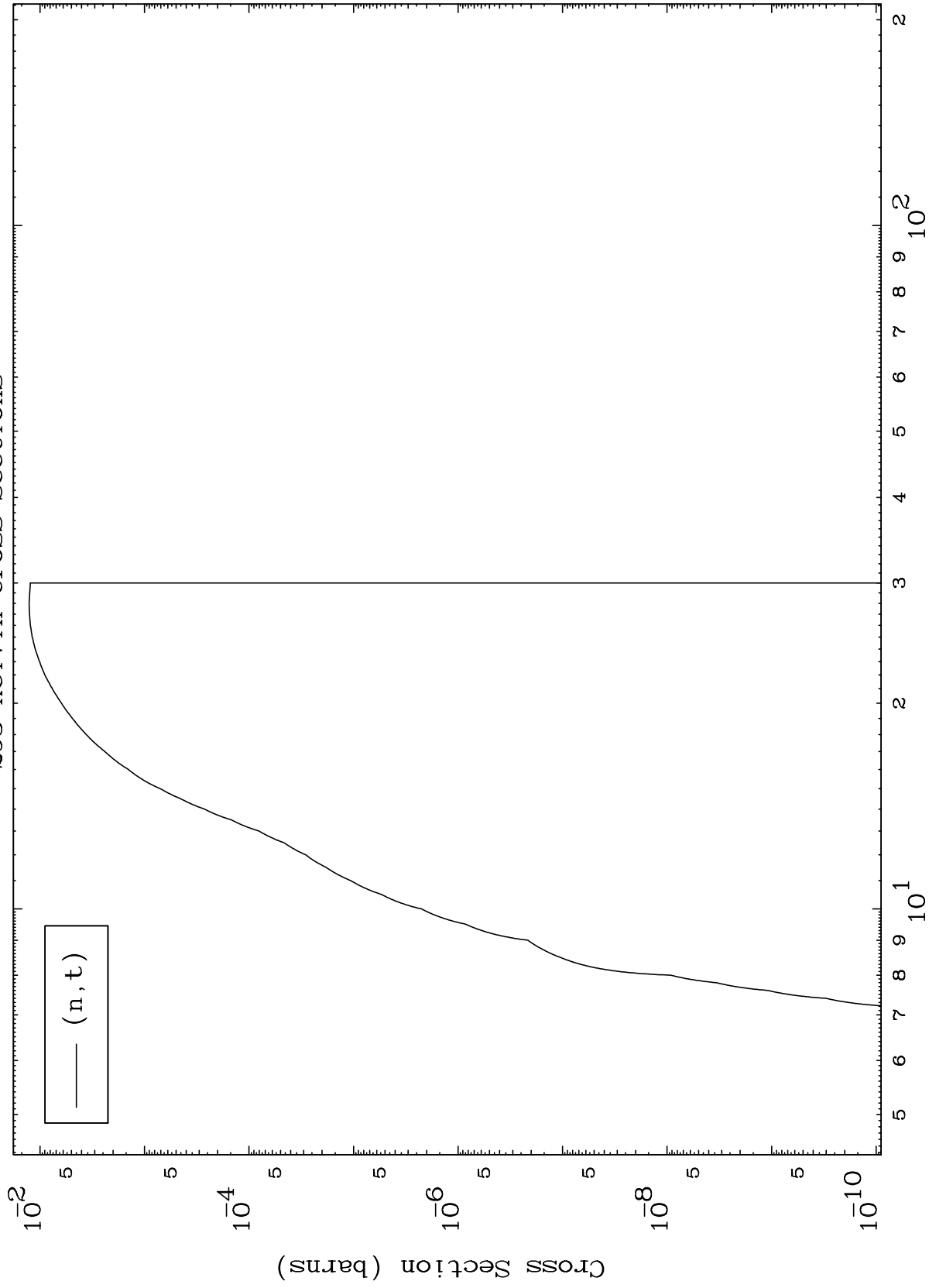
Incident Energy (MeV)

41-Nb-92

MAT 4122

(n,t) Levels
293 Kelvin Cross Sections

41-Nb-92



11

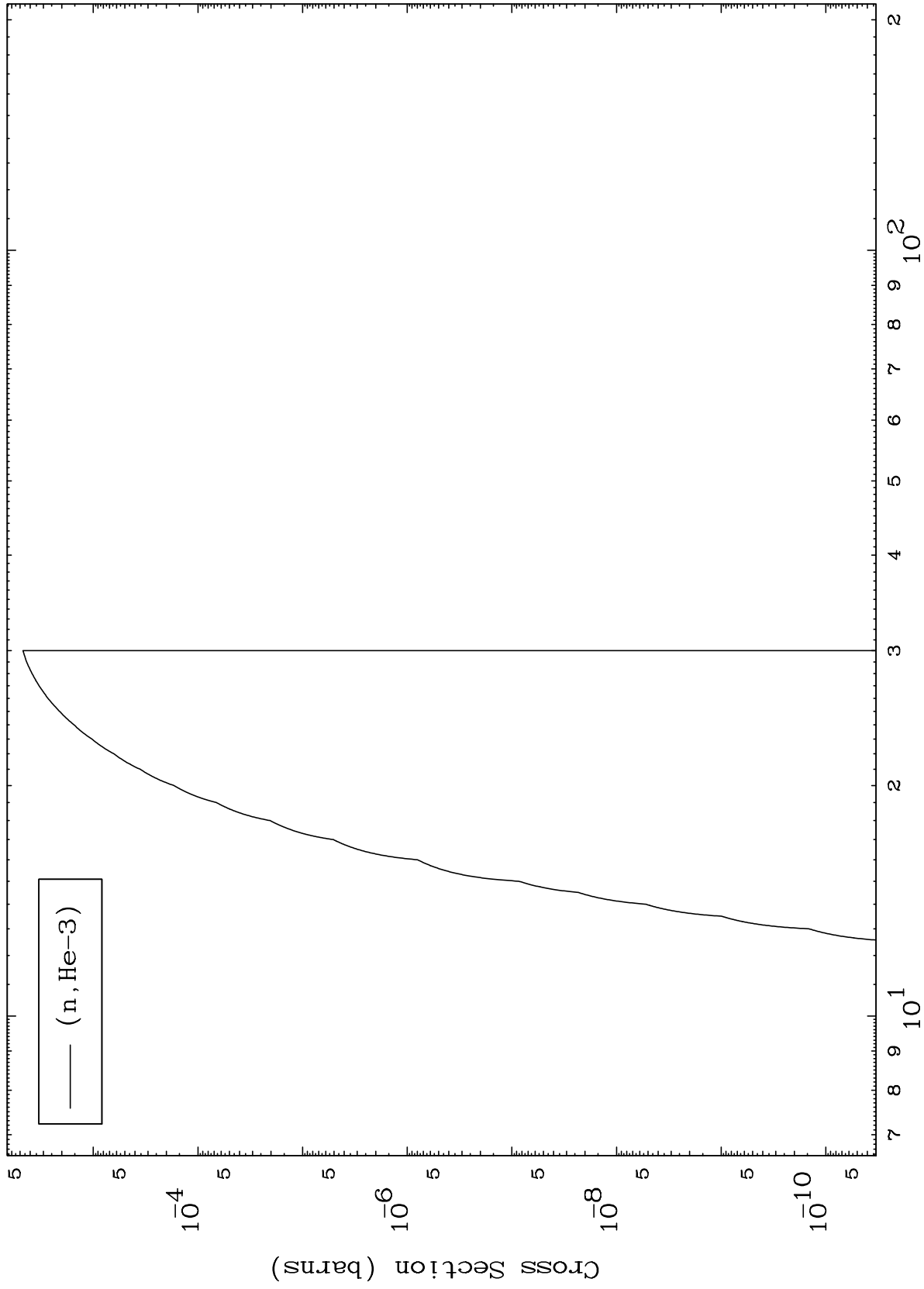
Incident Energy (MeV)

41-Nb-92

MAT 4122

(n,He3) Levels
293 Kelvin Cross Sections

41-Nb-92



12

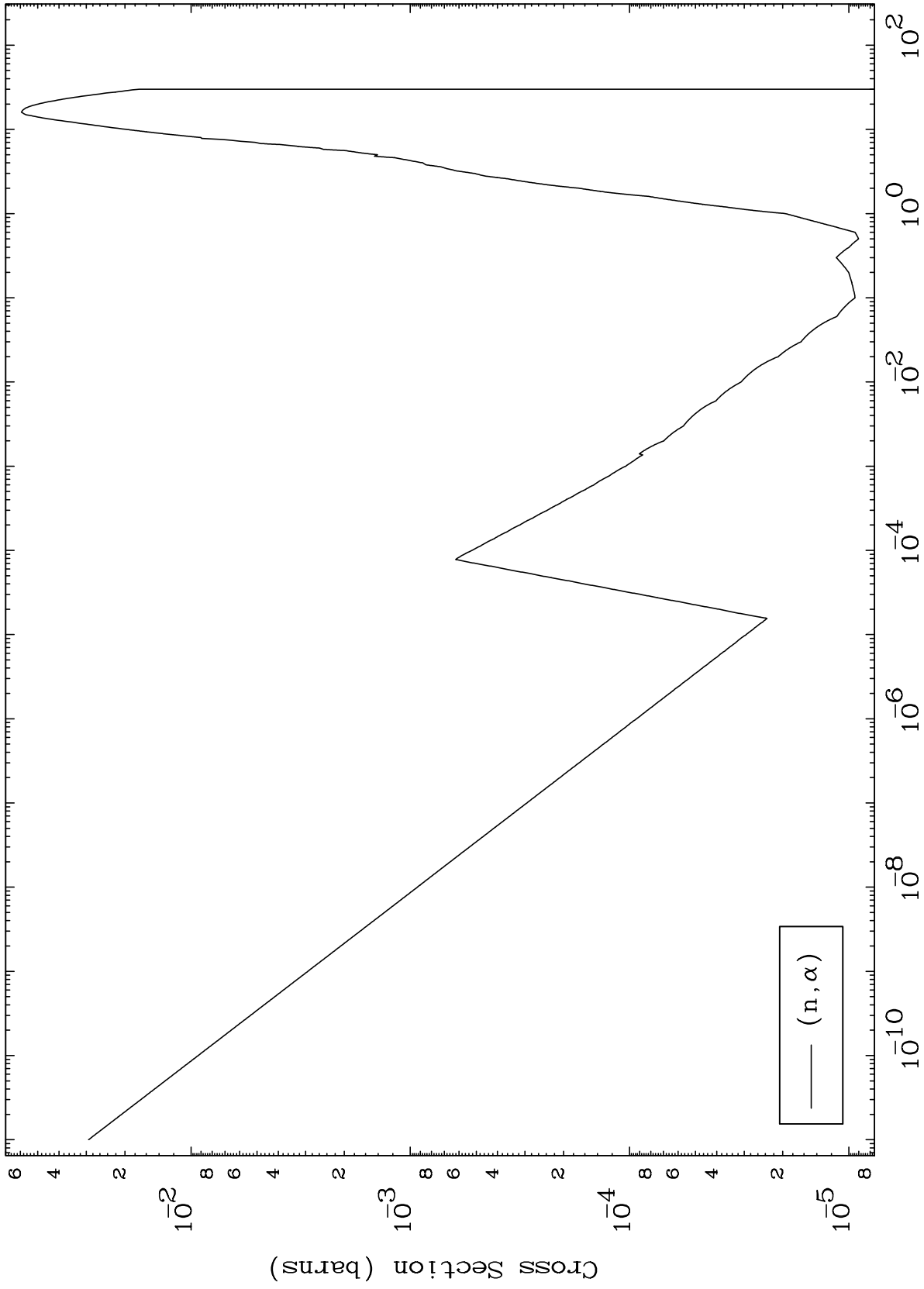
Incident Energy (MeV)

41-Nb-92

MAT 4122

(n,α) Levels
293 Kelvin Cross Sections

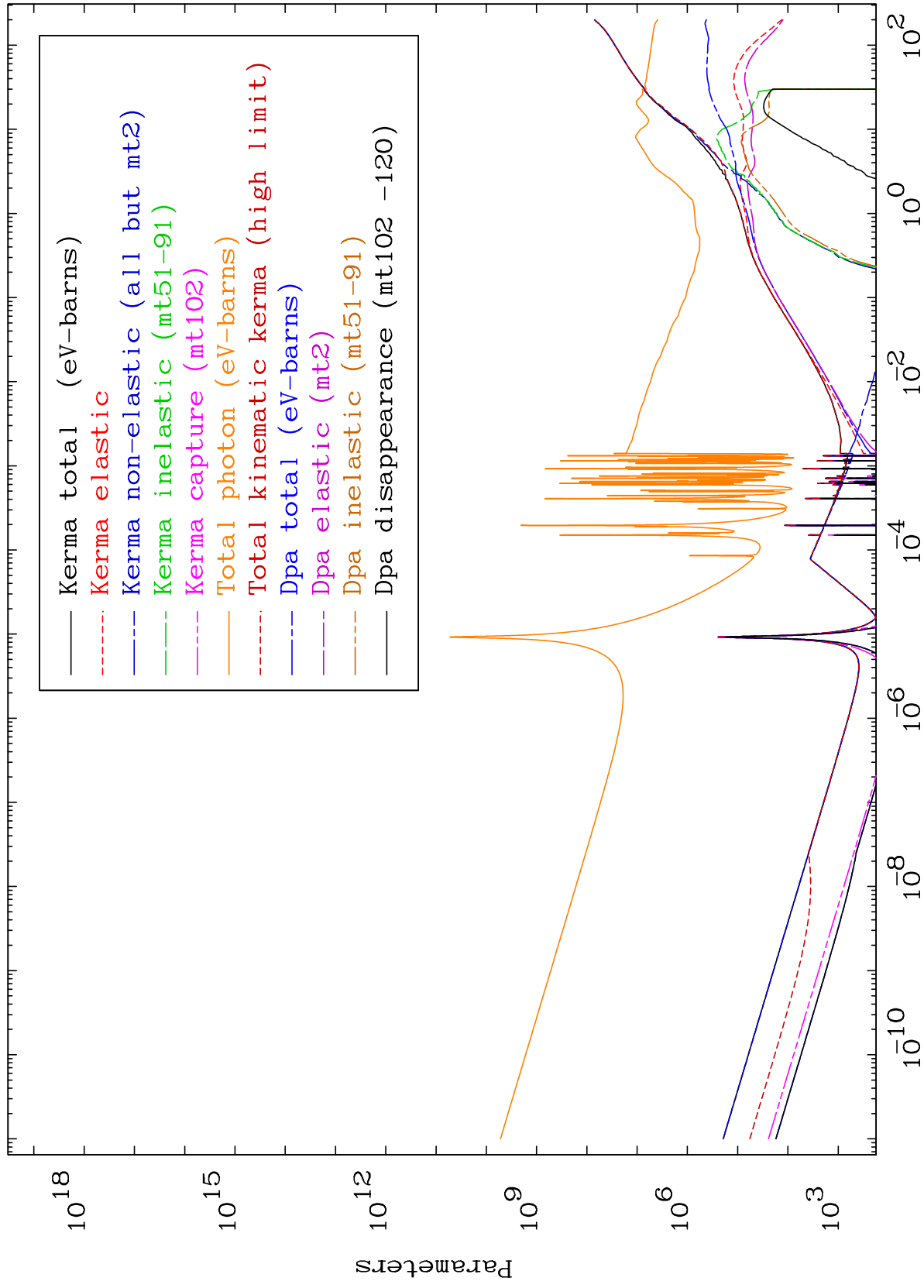
41-Nb-92



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Incident Energy (MeV)

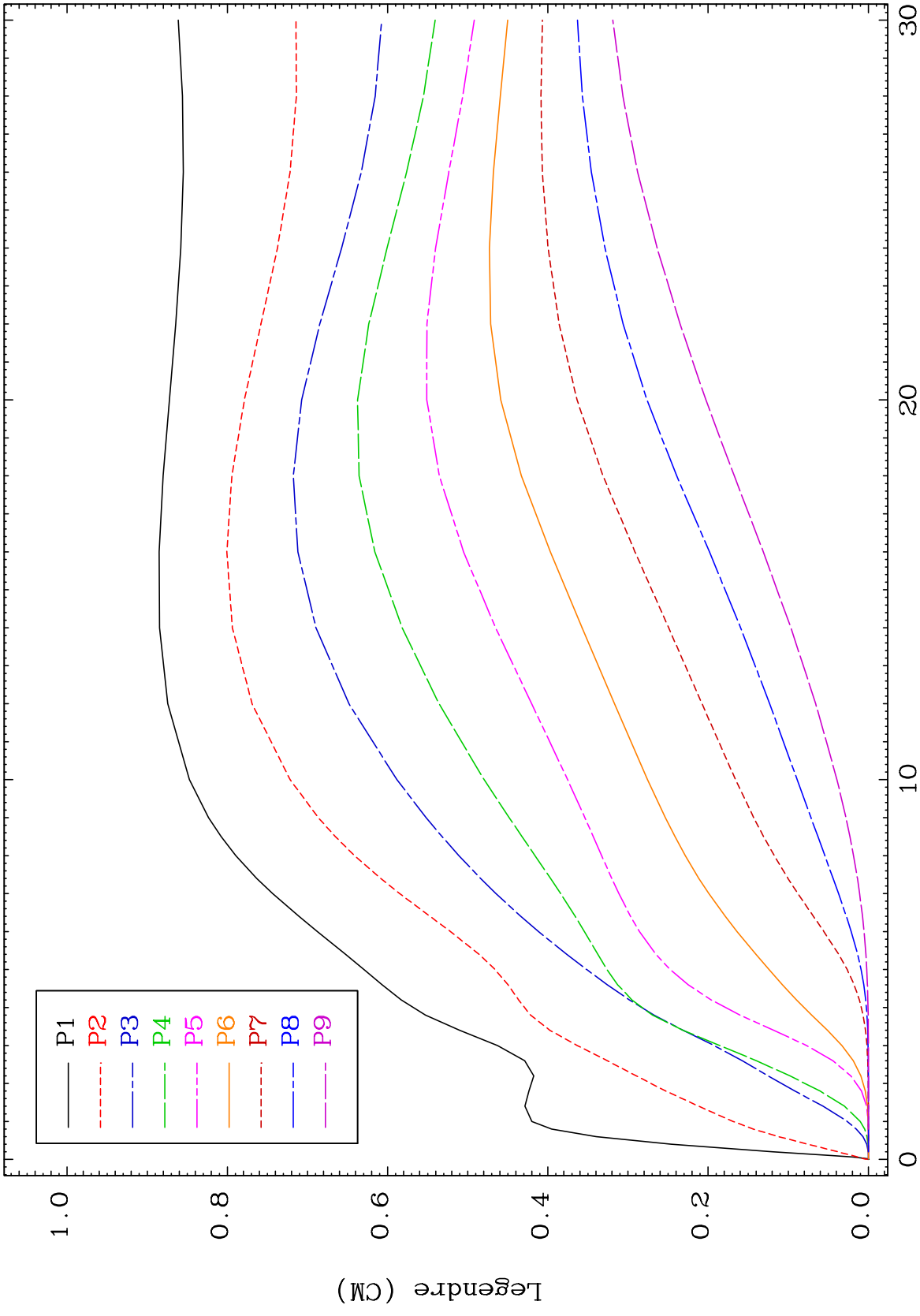
41-Nb-92



MAT 4122

Elastic Legendre Coefficients

41-Nb-92



15

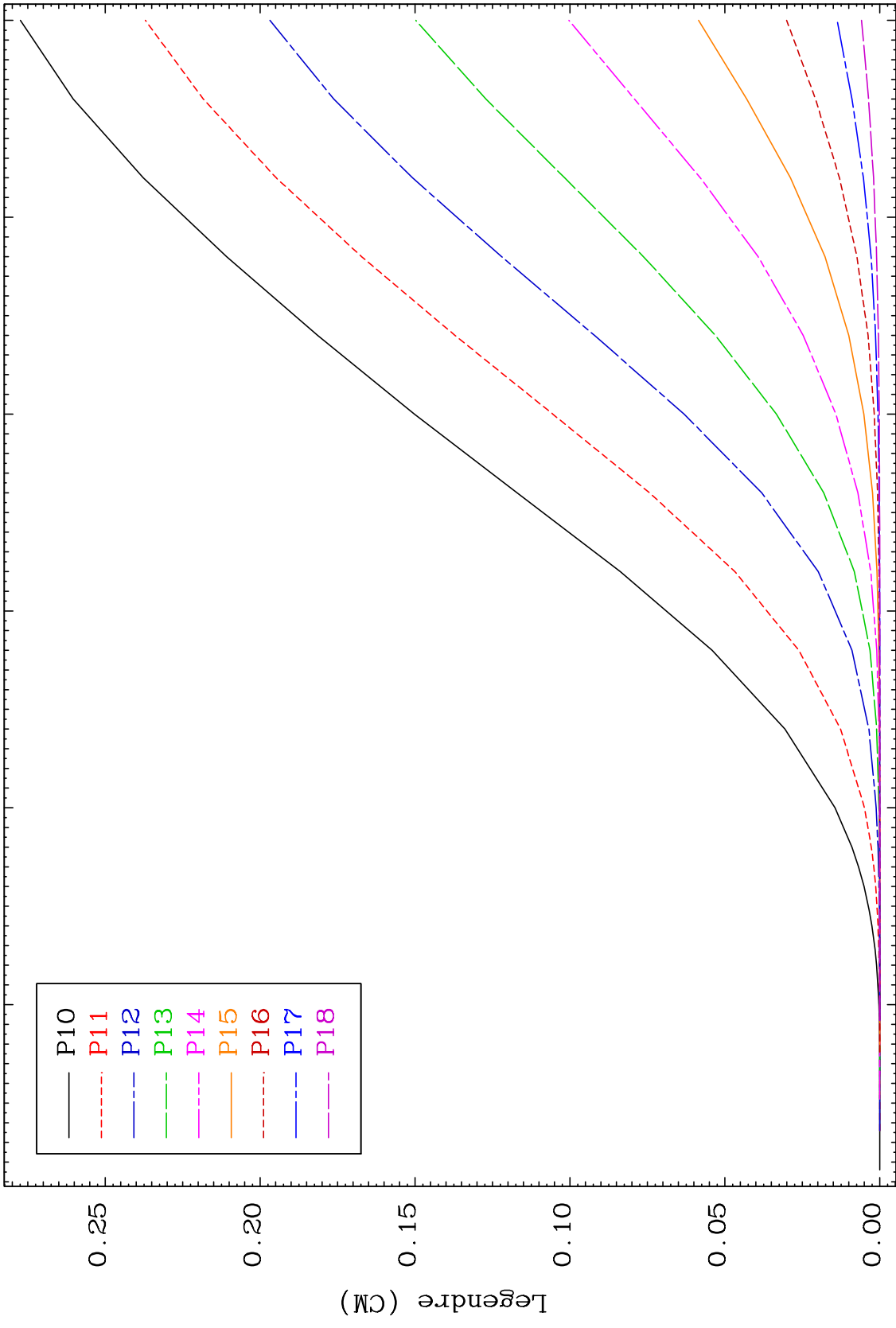
Incident Energy (MeV)

41-Nb-92

MAT 4122

Elastic Legendre Coefficients

41-Nb-92



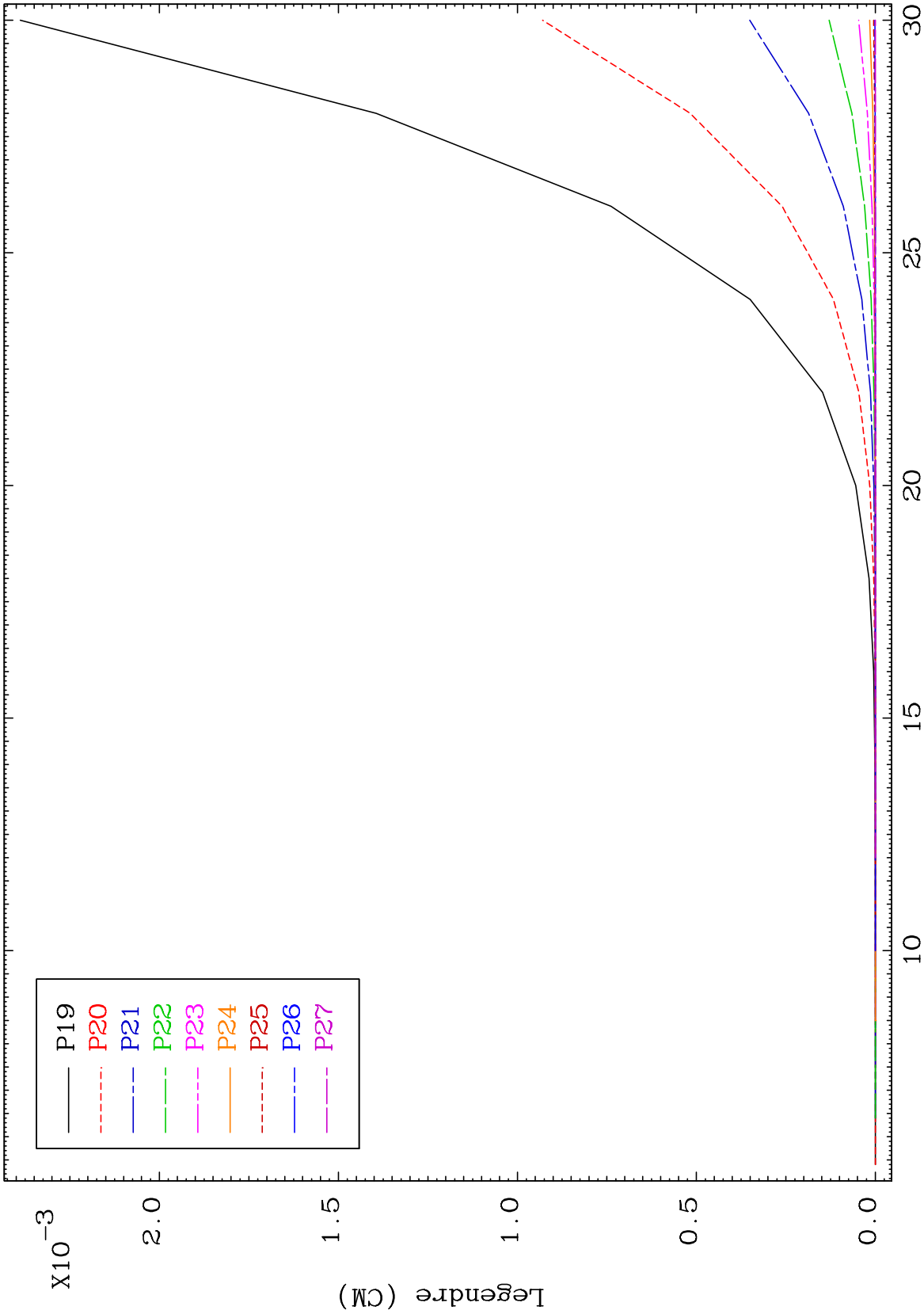
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41-Nb-92

MAT 4122

Elastic Legendre Coefficients

41-Nb-92



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41-Nb-92

MAT 4122

Elastic Legendre Coefficients

41-Nb-92



18

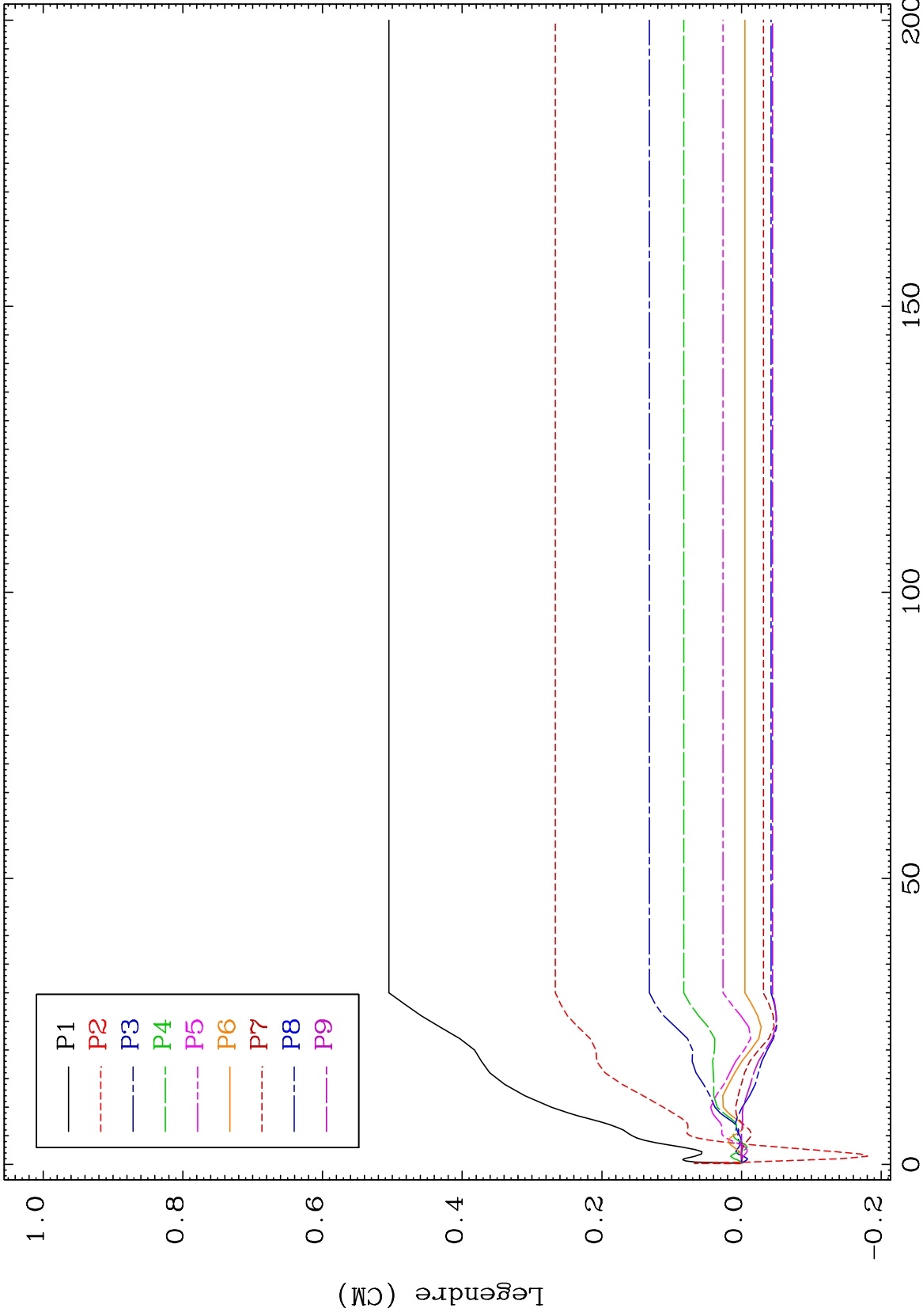
Incident Energy (MeV)

41-Nb-92

MAT 4122

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

41-Nb-92



19

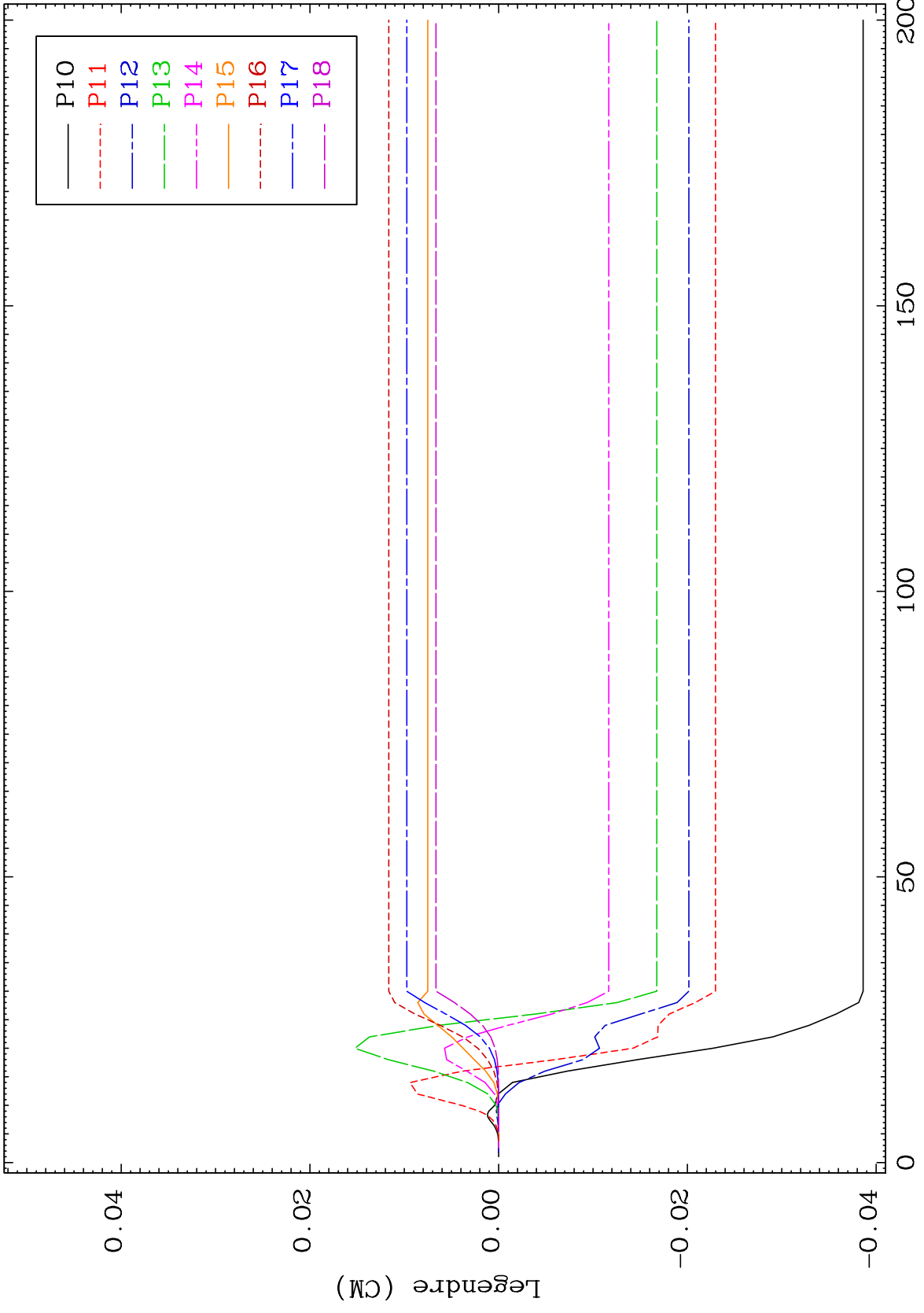
Incident Energy (MeV)

41-Nb-92

MAT 4122

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

41-Nb-92



41-Nb-92

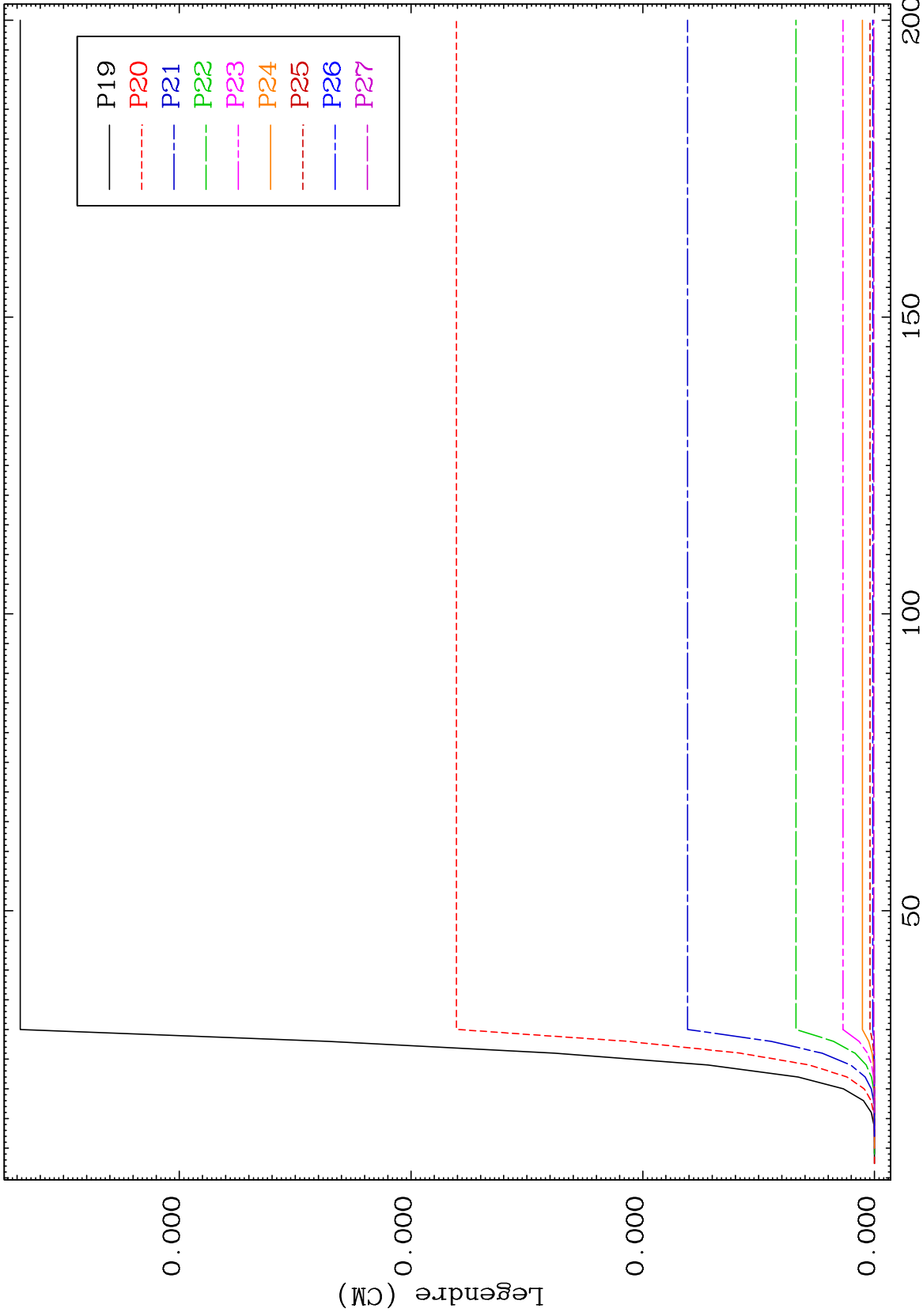
Incident Energy (MeV)

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MAT 4122

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

41-Nb-92



21

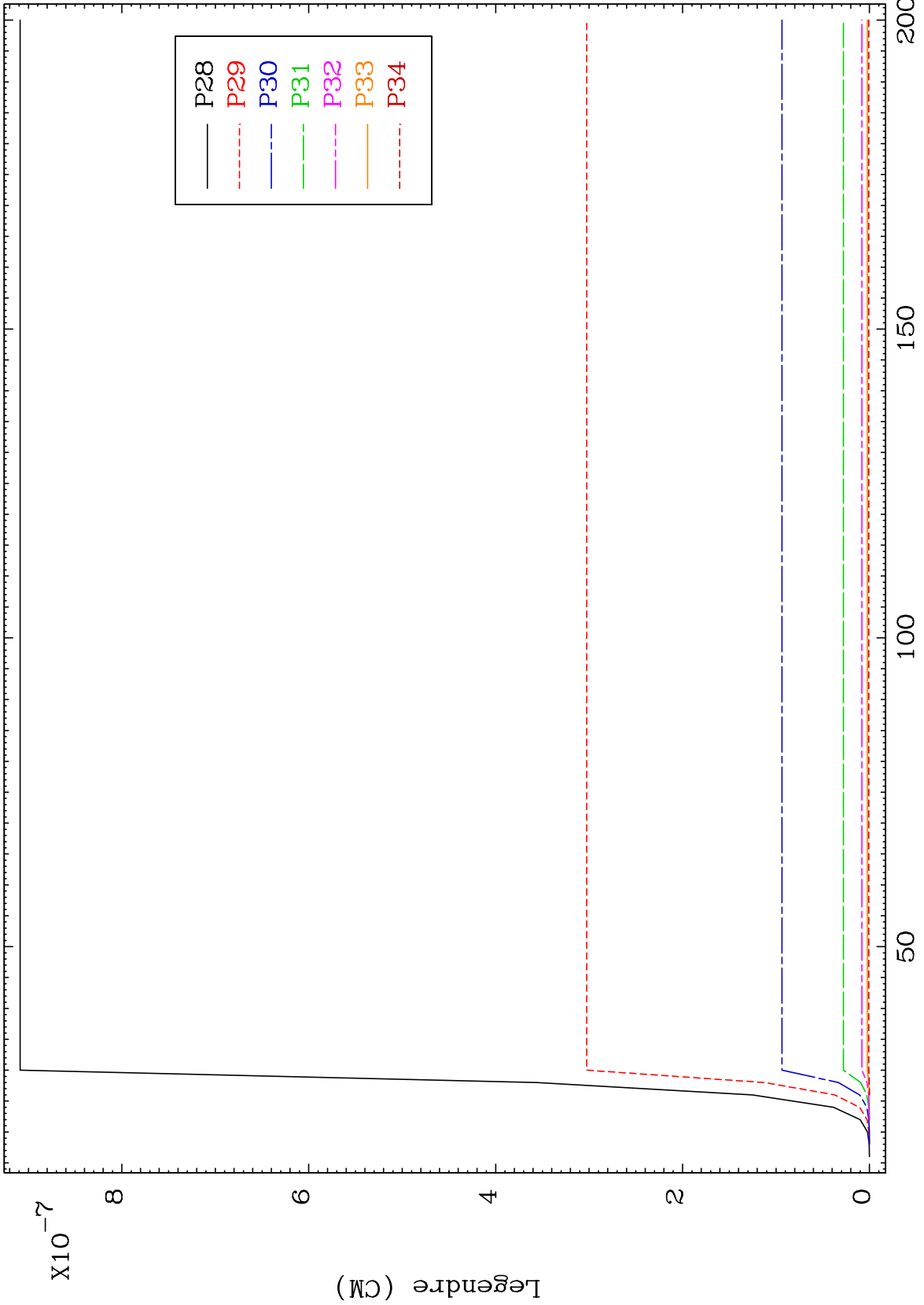
Incident Energy (MeV)

41-Nb-92

MAT 4122

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

41-Nb-92



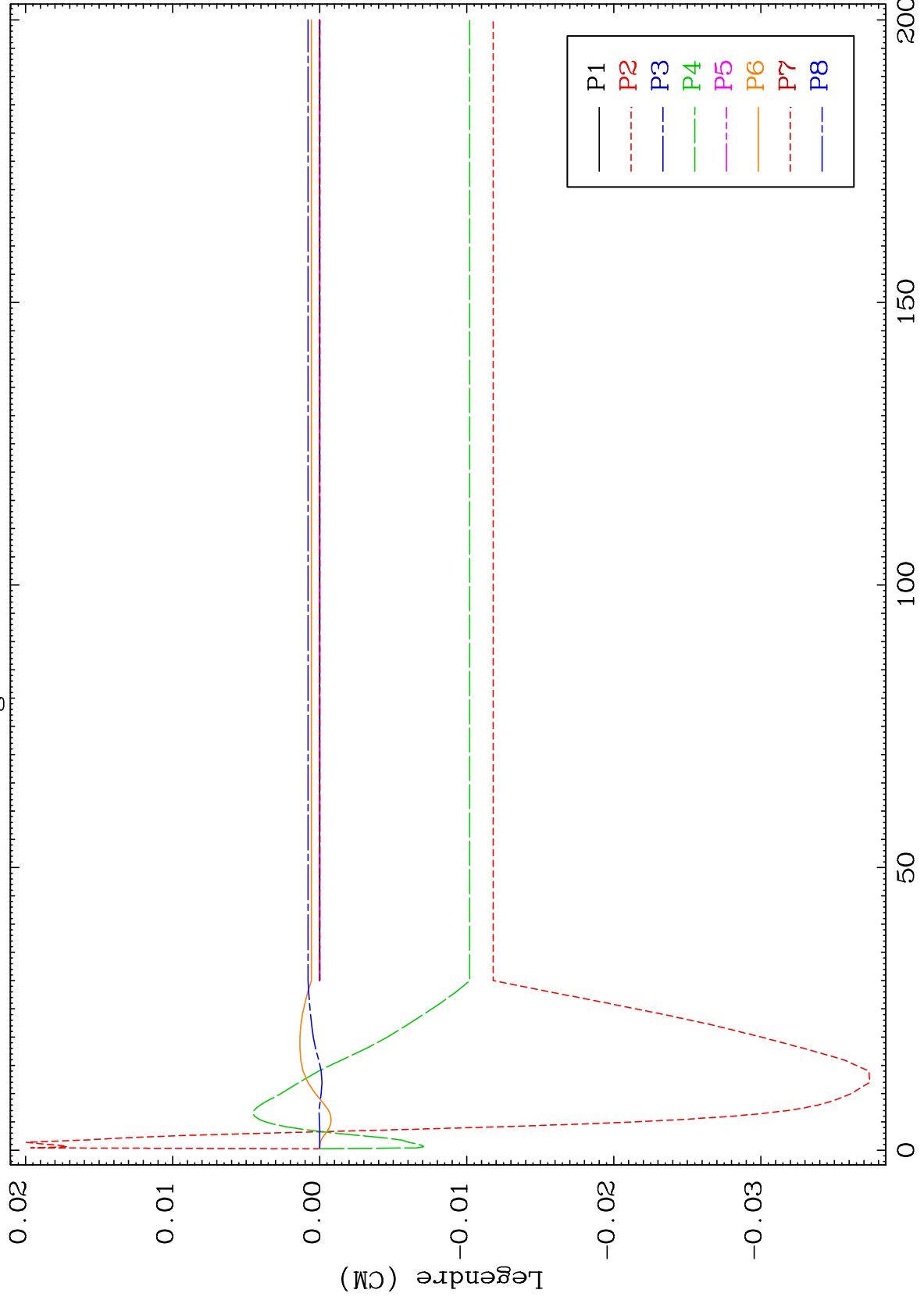
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41-Nb-92

MAT 4122

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

41-Nb-92



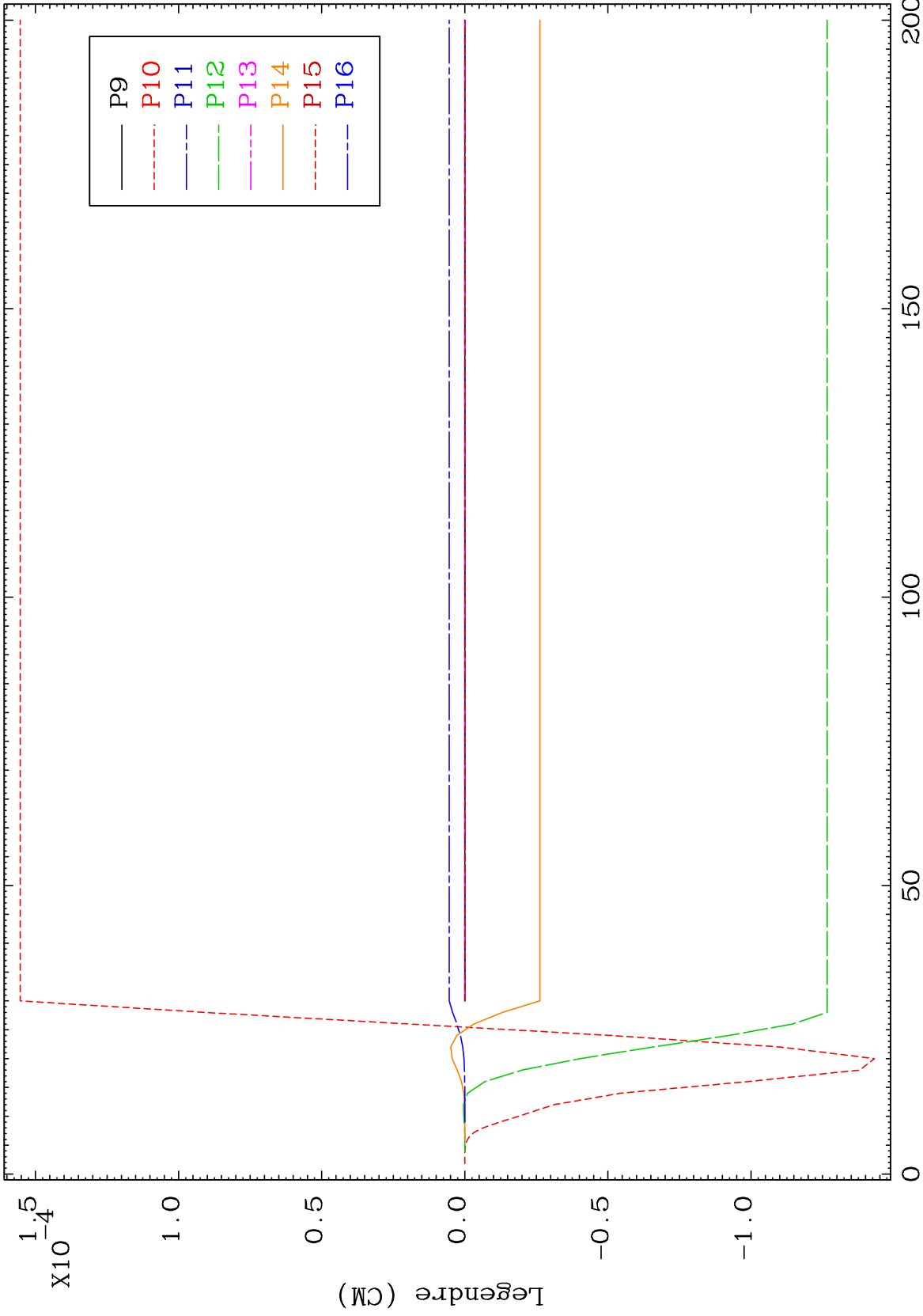
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41-Nb-92

MAT 4122

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

41-Nb-92

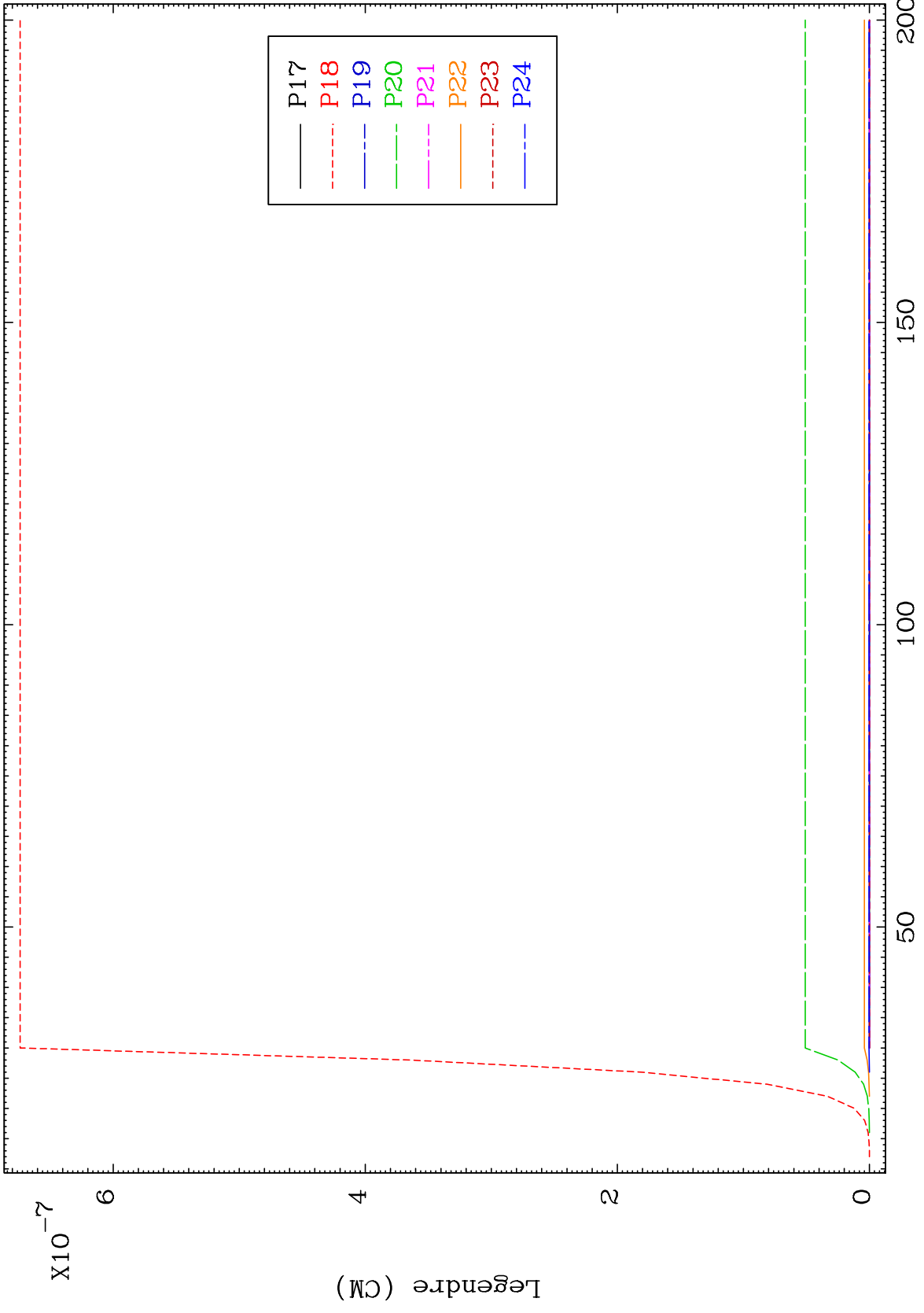


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Incident Energy (MeV)

41-Nb-92

MAT 4122 MT= 52 (n,n') Level Legendre Coefficients 41-Nb-92

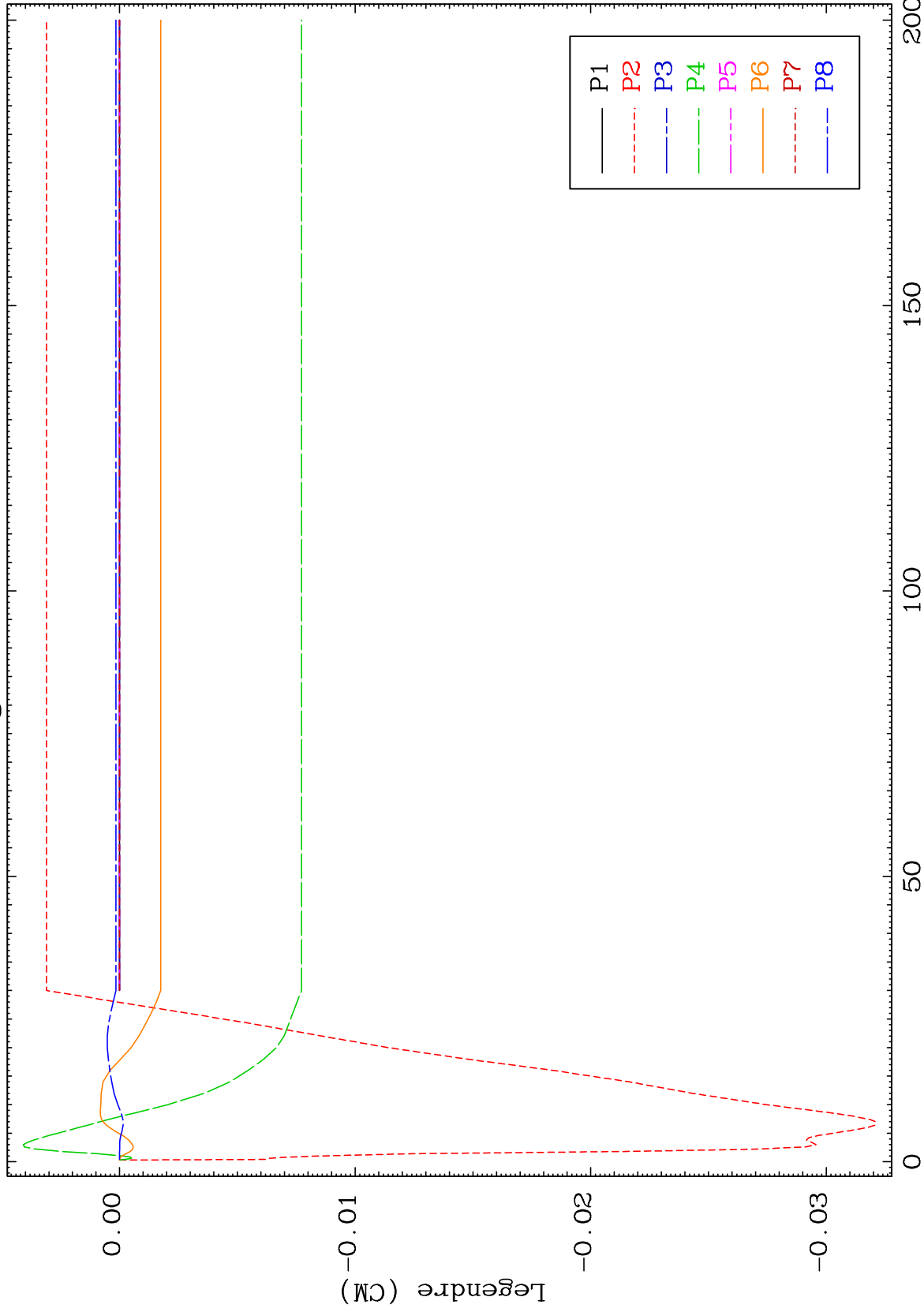


41-Nb-92

MAT 4122

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

41-Nb-92



26

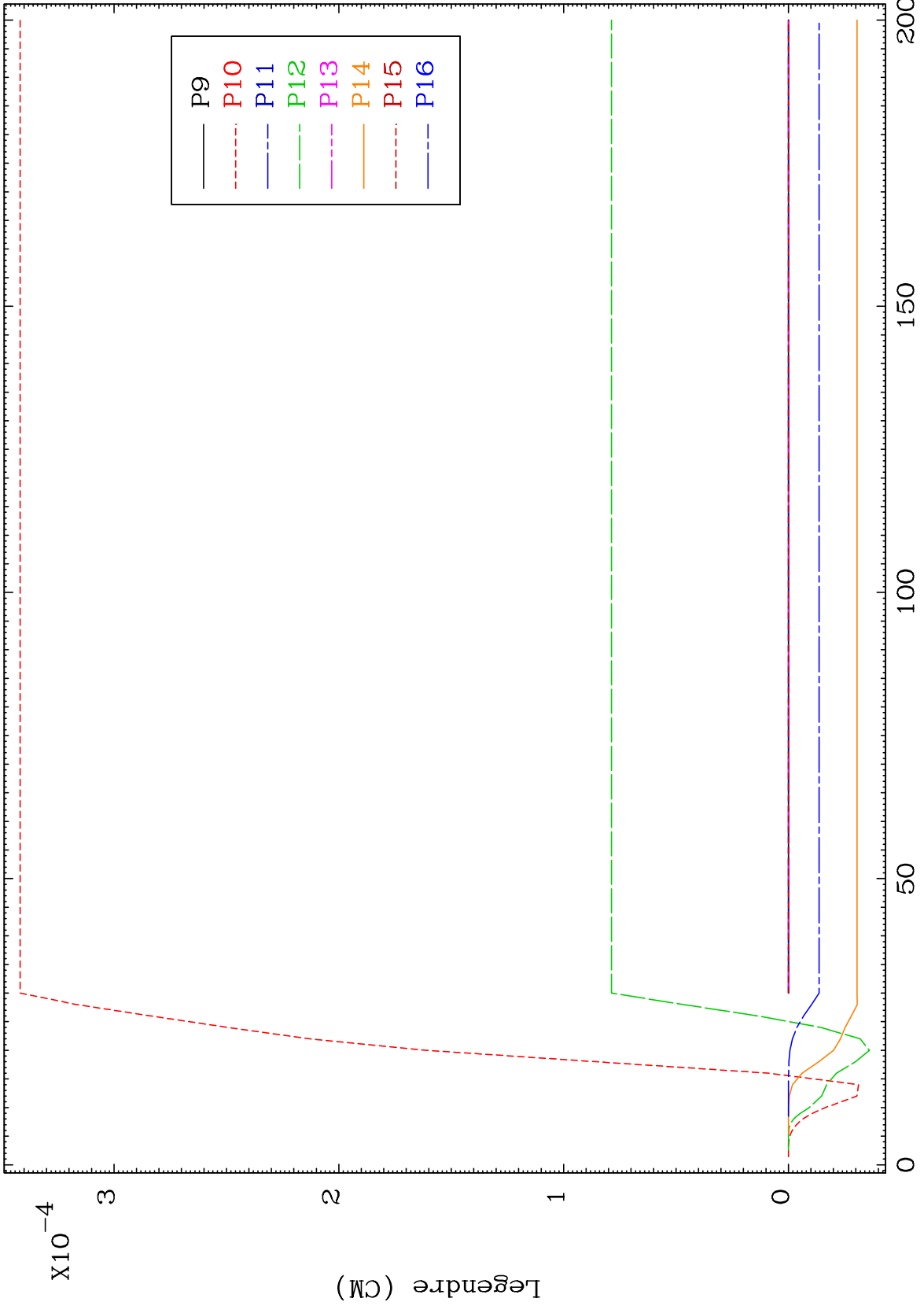
Incident Energy (MeV)

41-Nb-92

MAT 4122

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

41-Nb-92



27

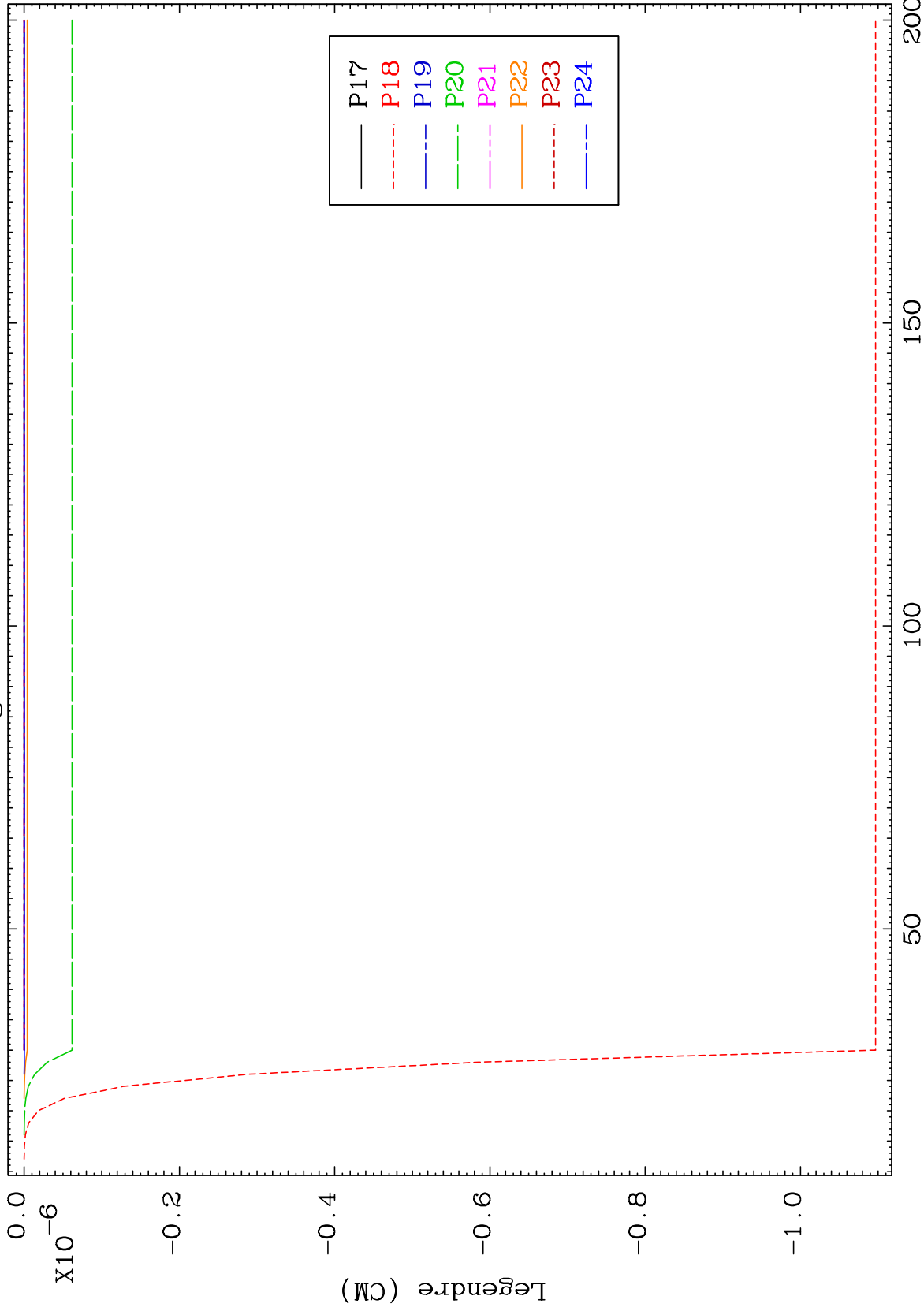
Incident Energy (MeV)

41-Nb-92

MAT 4122

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

41-Nb-92



41-Nb-92

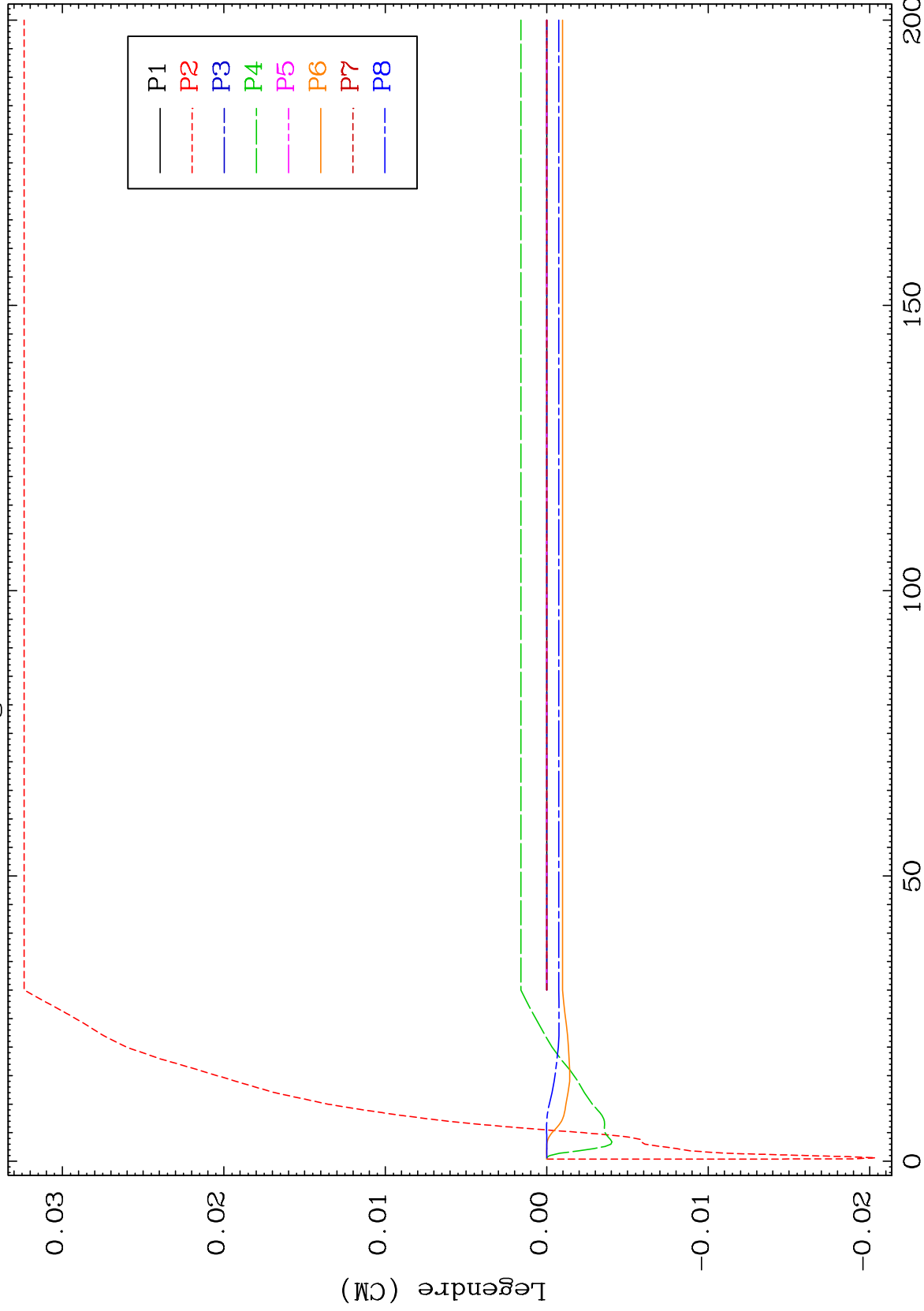
Incident Energy (MeV)

28

MAT 4122

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

41-Nb-92



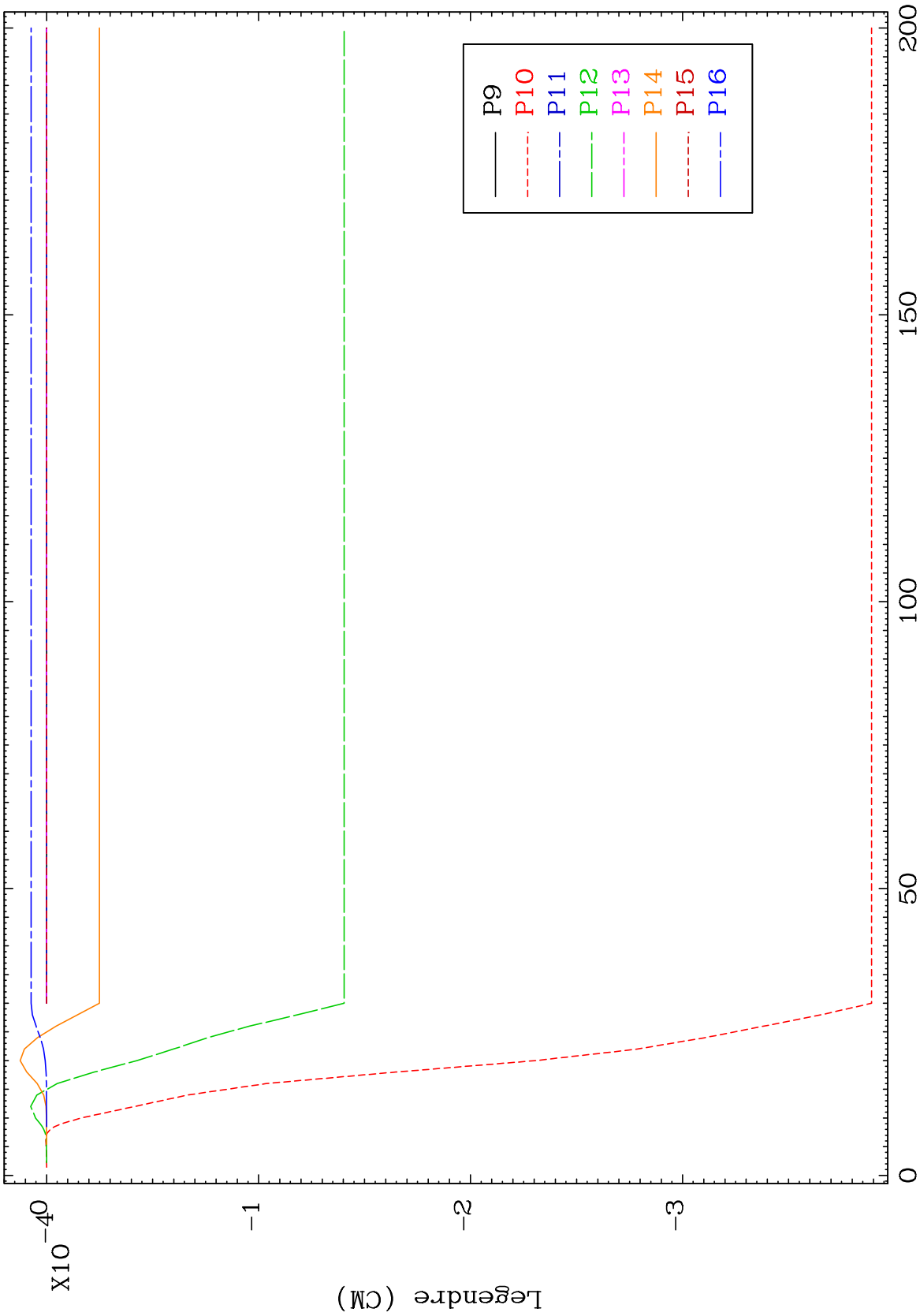
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41-Nb-92

MAT 4122

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

41-Nb-92

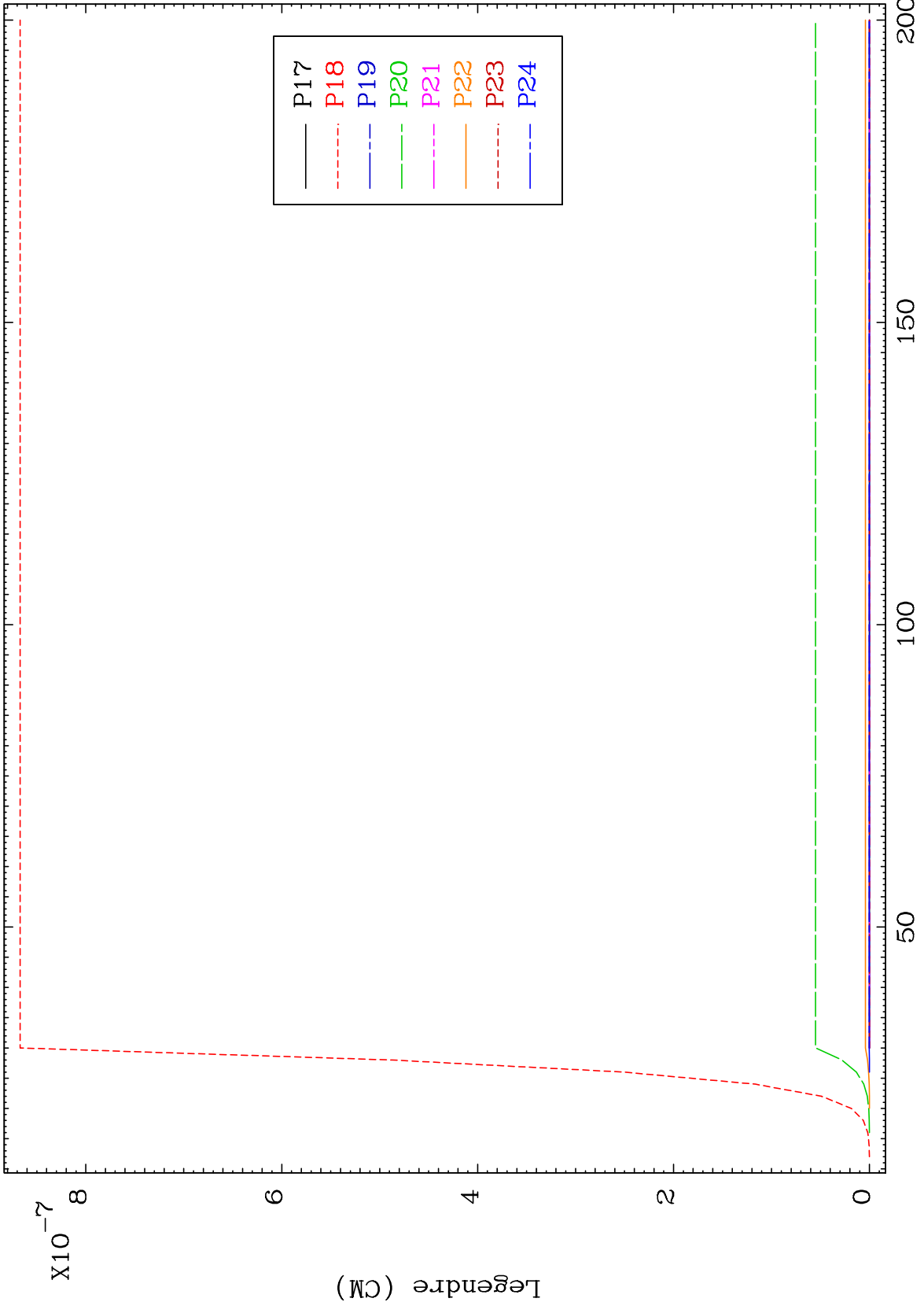


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Incident Energy (MeV)

41-Nb-92

MAT 4122 MT= 54 (n,n') Level Legendre Coefficients 41-Nb-92

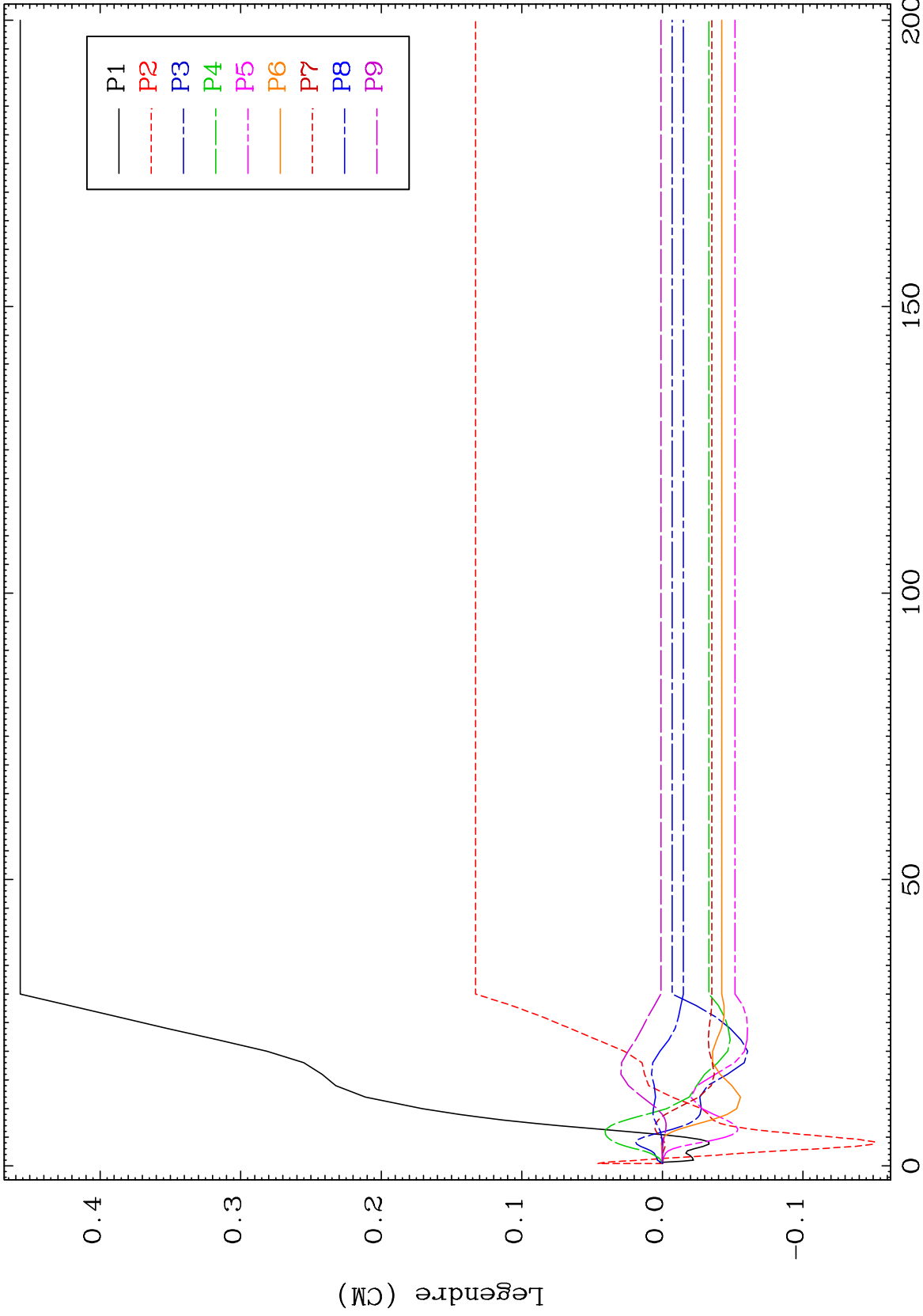


31 41-Nb-92

MAT 4122

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

41-Nb-92



32

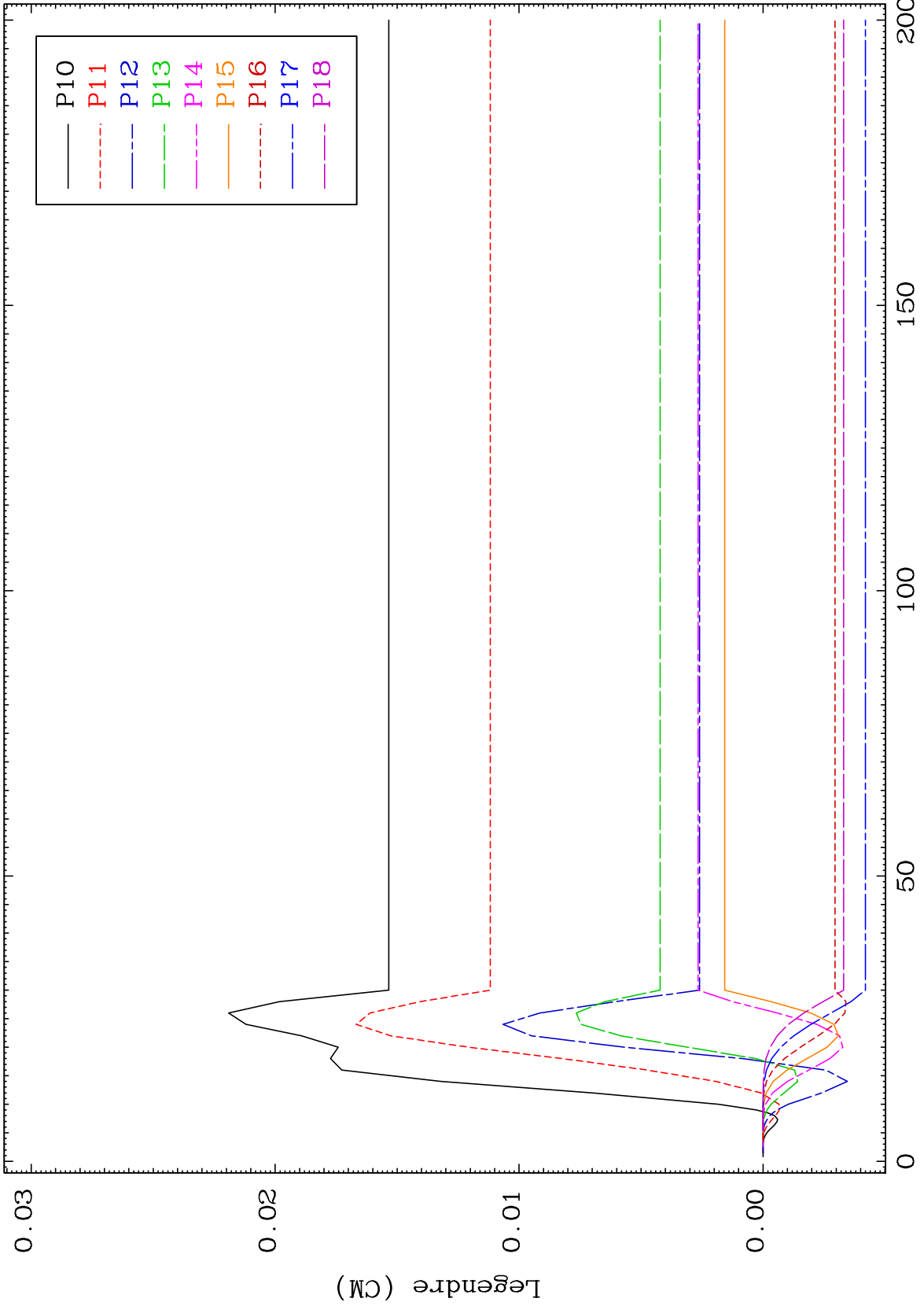
Incident Energy (MeV)

41-Nb-92

MAT 4122

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

41-Nb-92



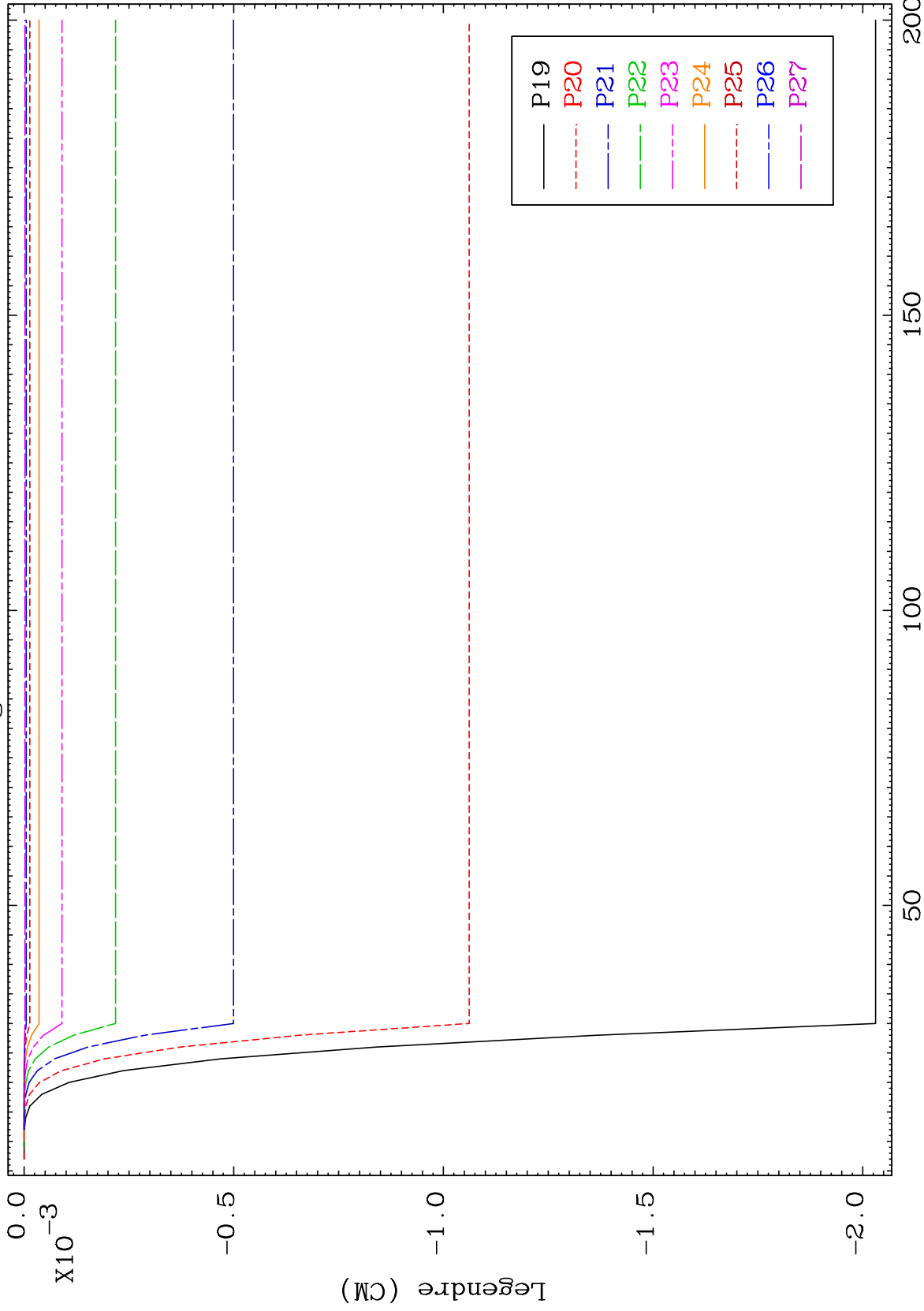
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MAT 4122

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

41-Nb-92



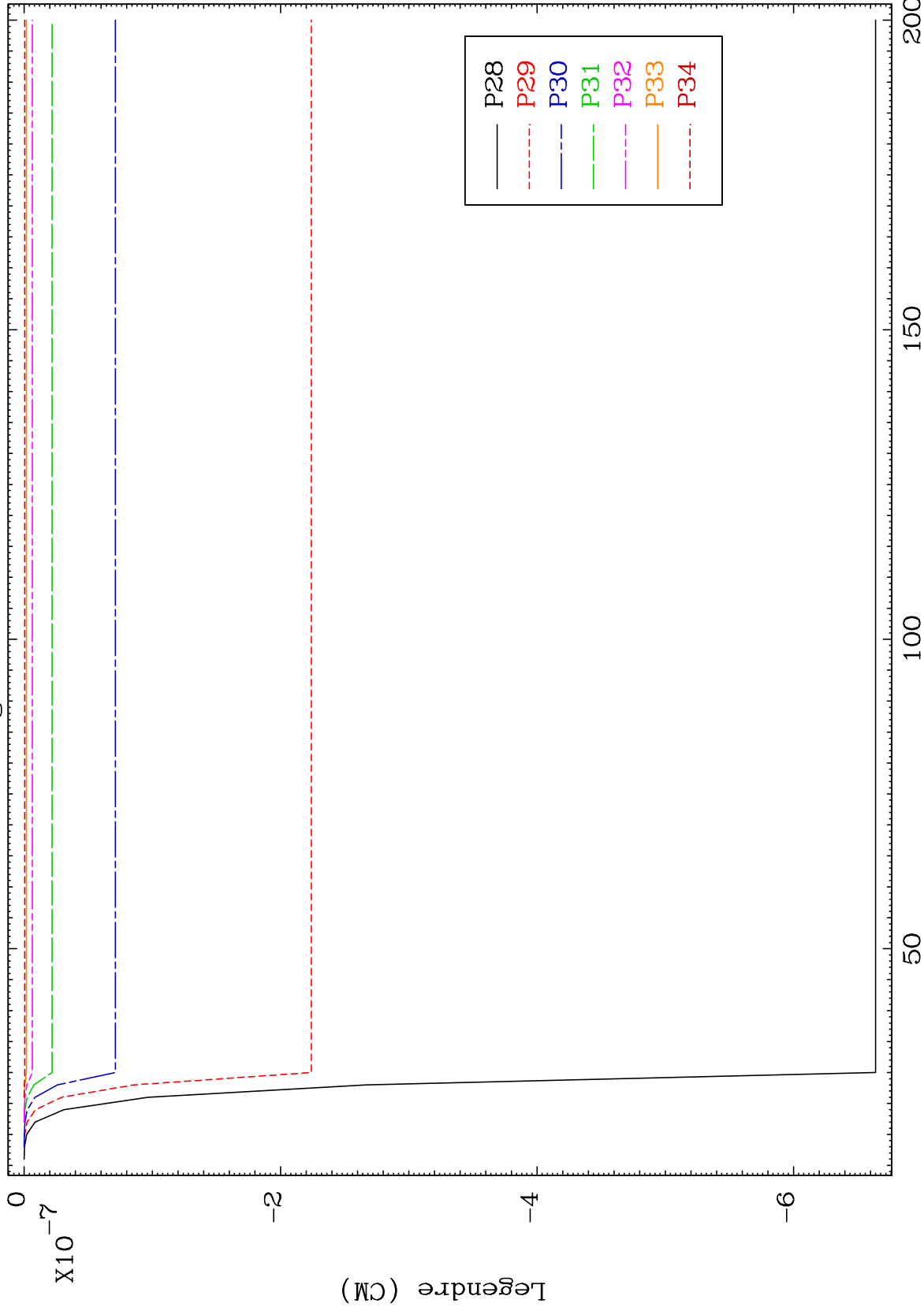
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MAT 4122

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

41-Nb-92



35

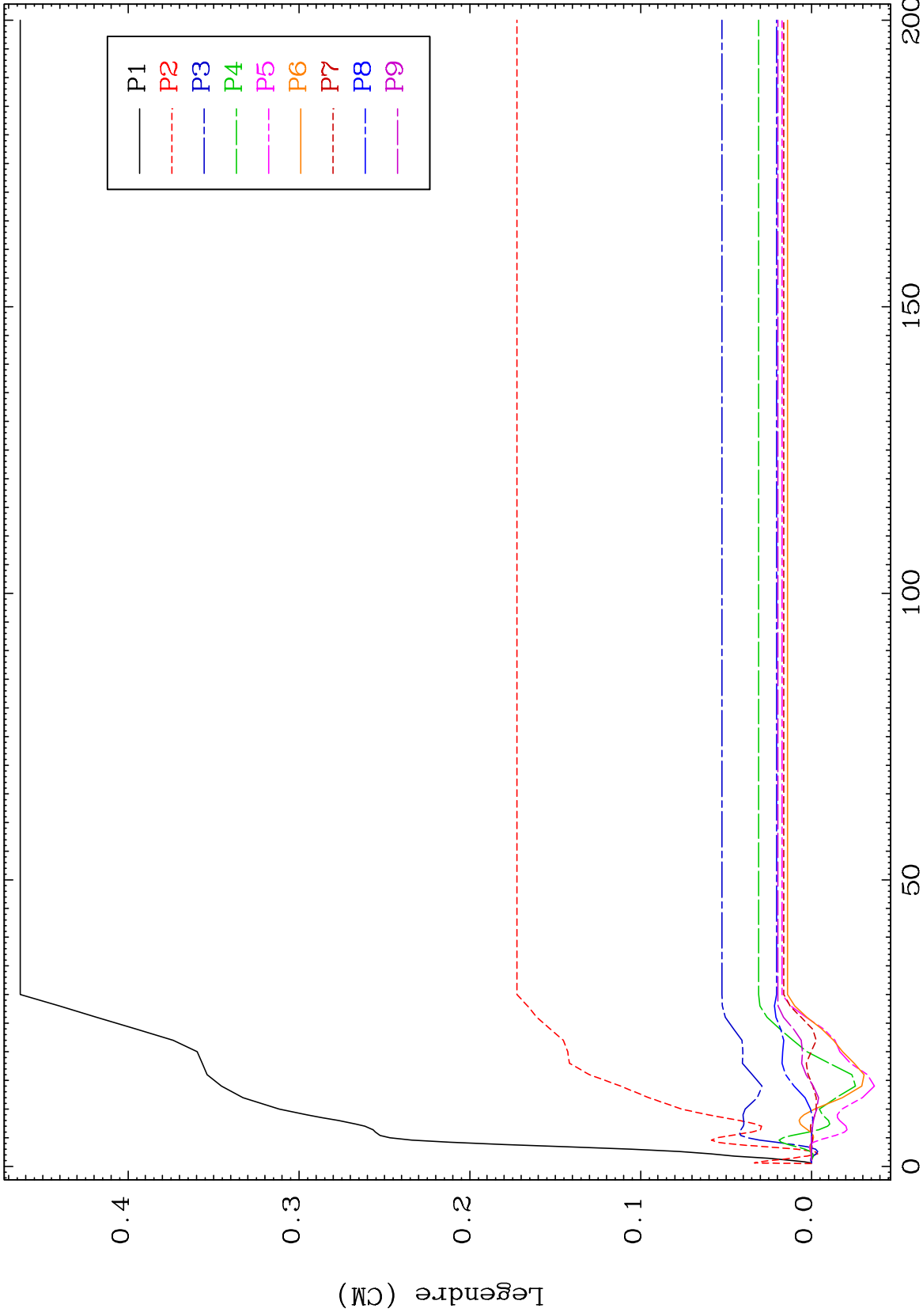
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MAT 4122

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

41-Nb-92



36

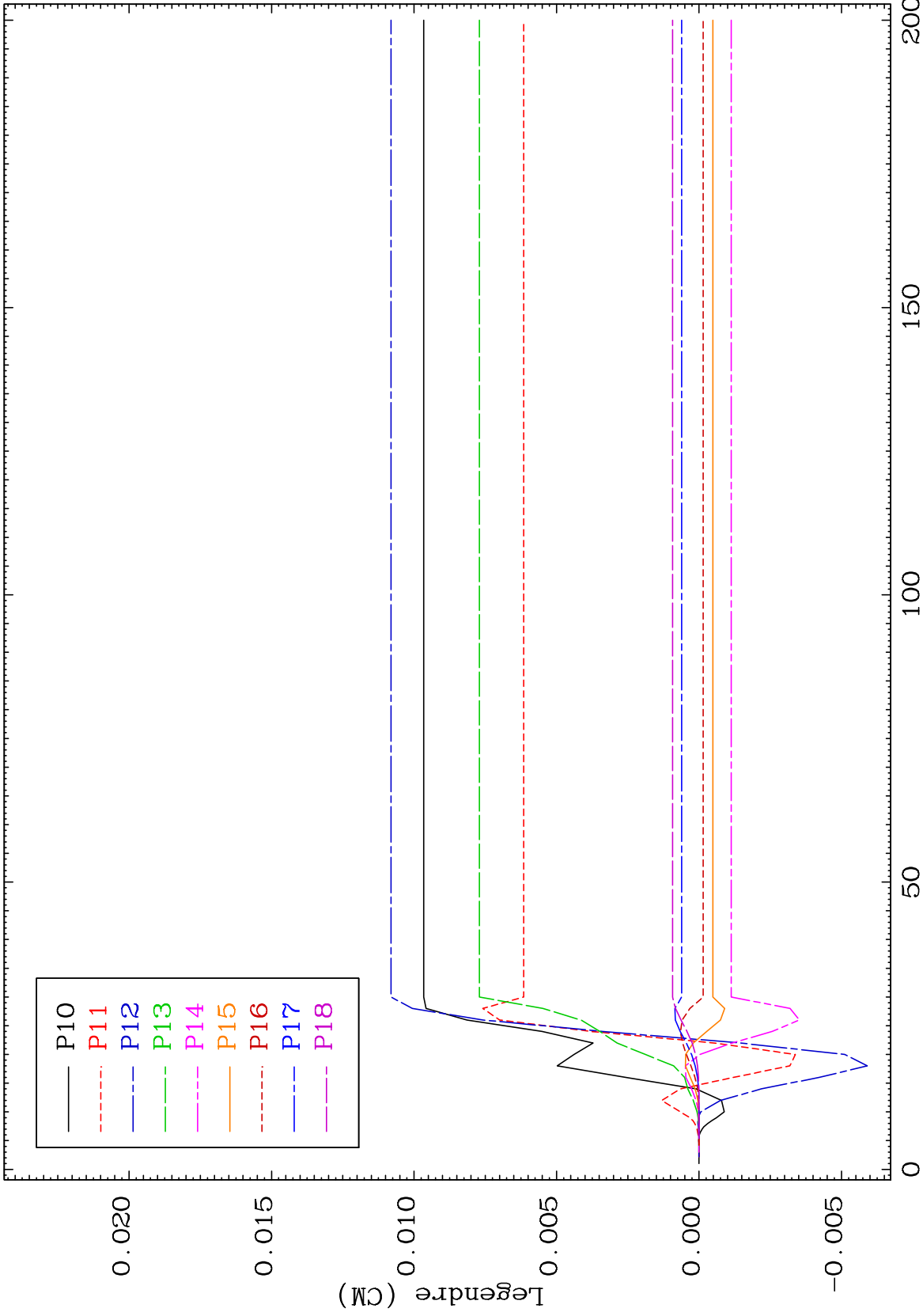
Incident Energy (MeV)

41-Nb-92

MAT 4122

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

41-Nb-92



37

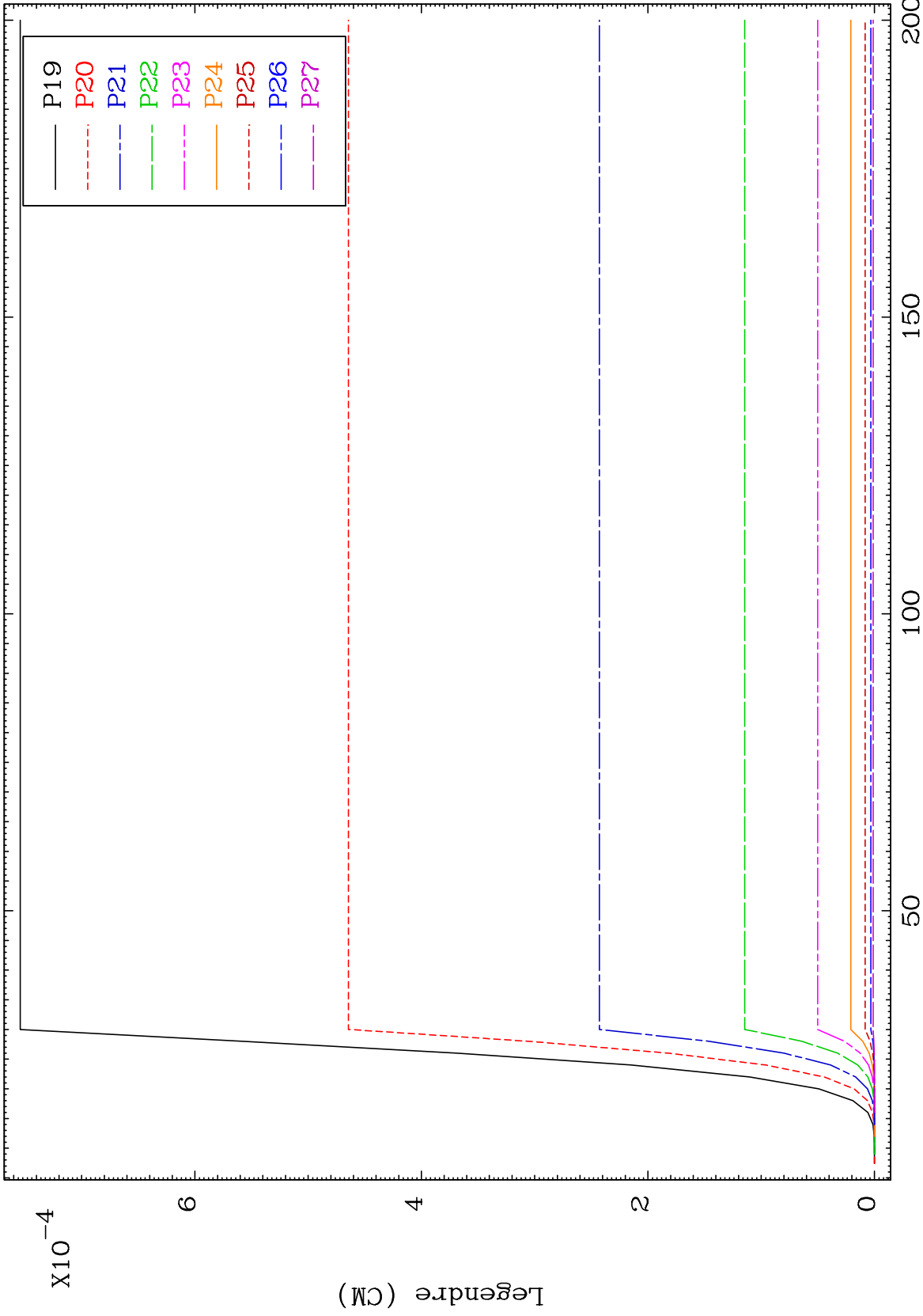
Incident Energy (MeV)

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MAT 4122

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

41-Nb-92



38

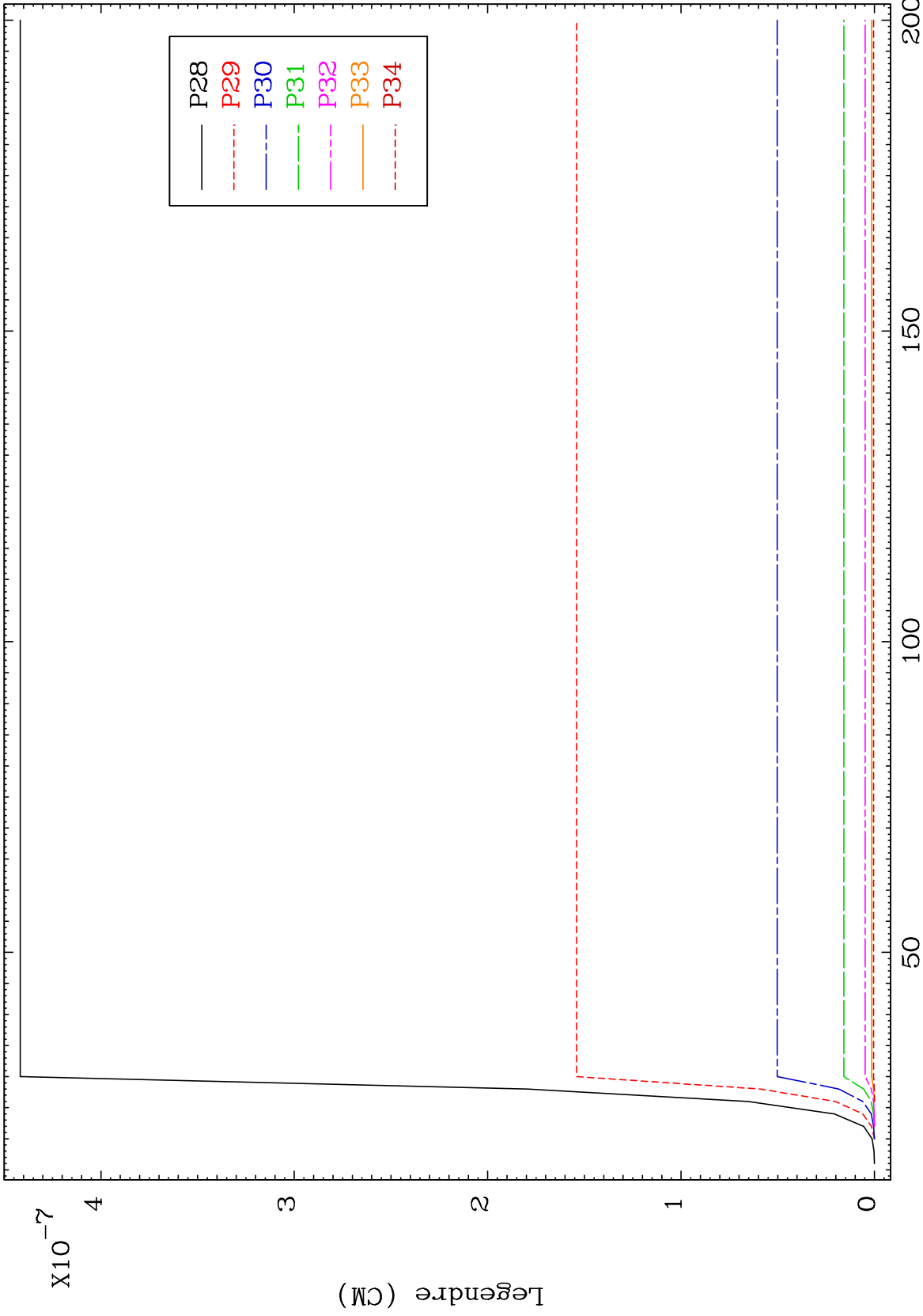
Incident Energy (MeV)

41-Nb-92

MAT 4122

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

41-Nb-92



39

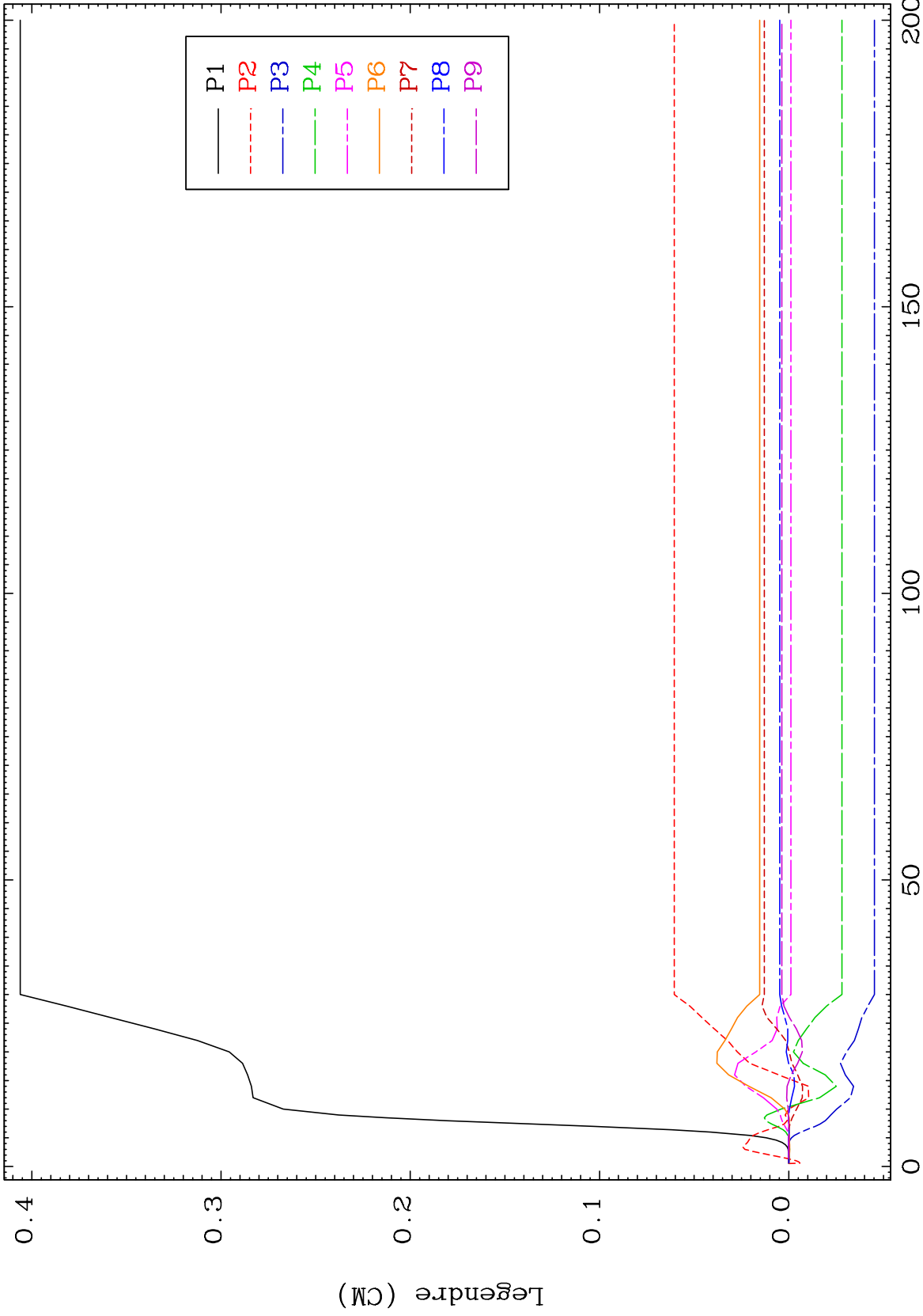
Incident Energy (MeV)

41-Nb-92

MAT 4122

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

41-Nb-92



41-Nb-92

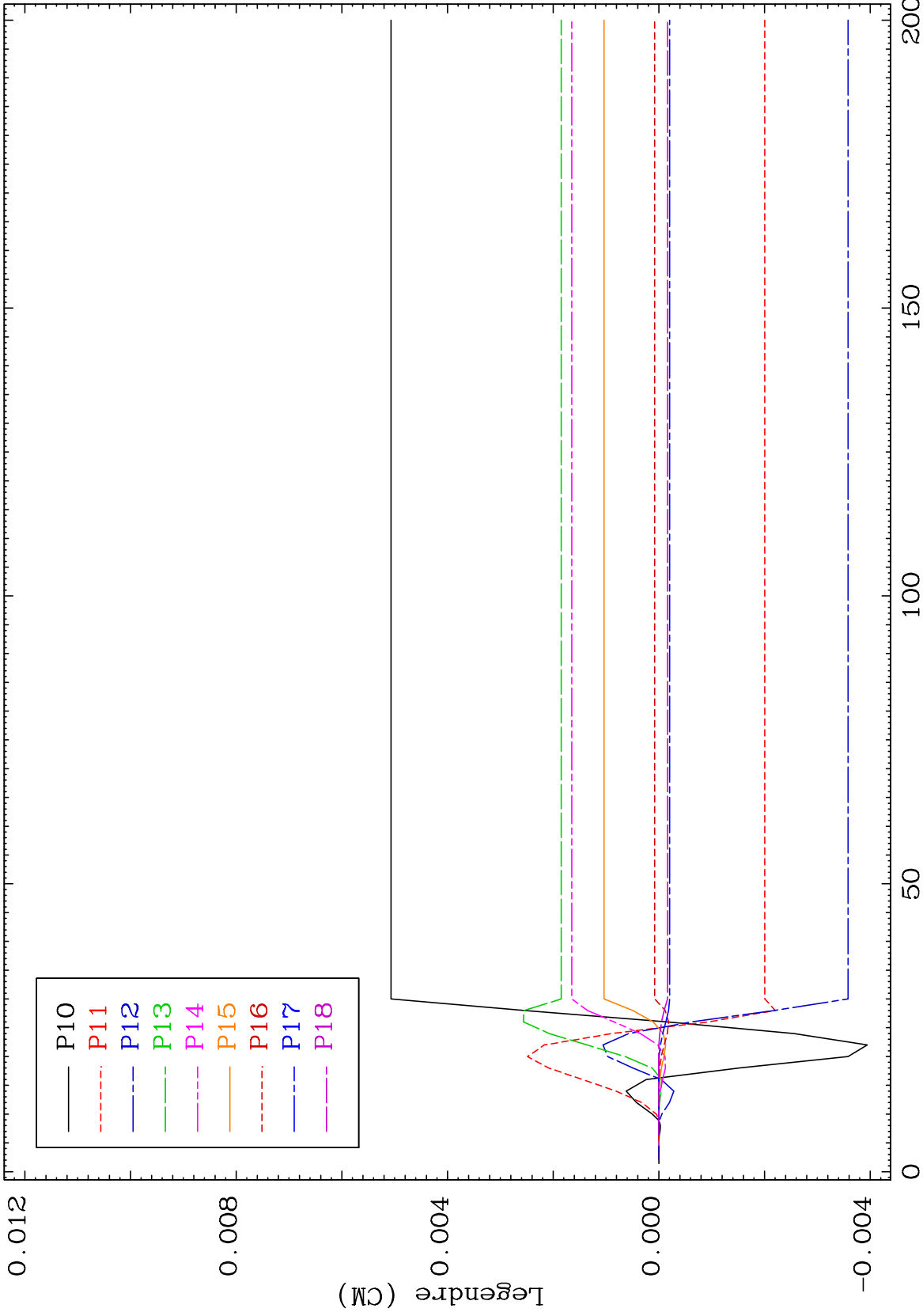
Incident Energy (MeV)

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MAT 4122

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

41-Nb-92



41

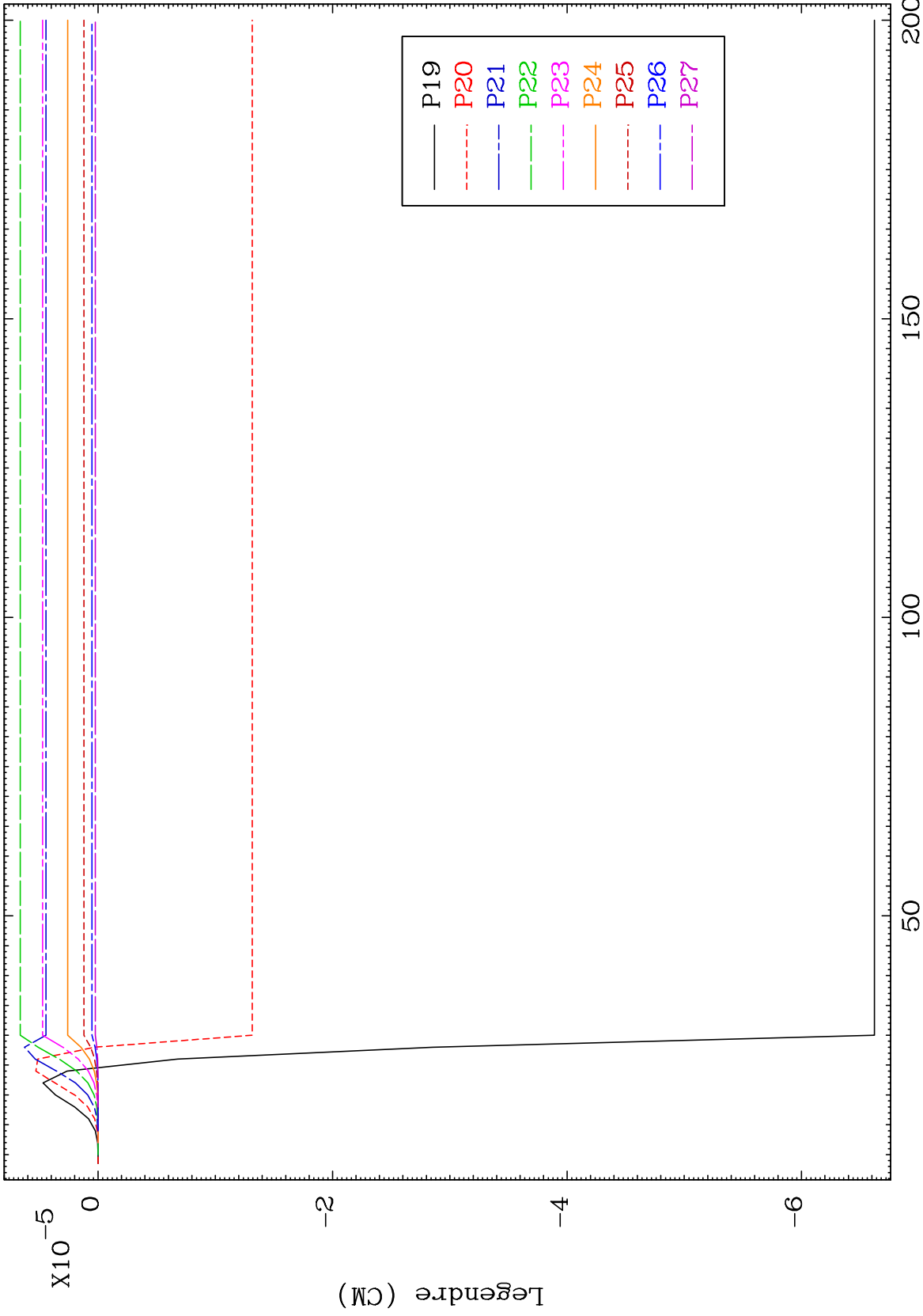
Incident Energy (MeV)

41-Nb-92

MAT 4122

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

41-Nb-92



42

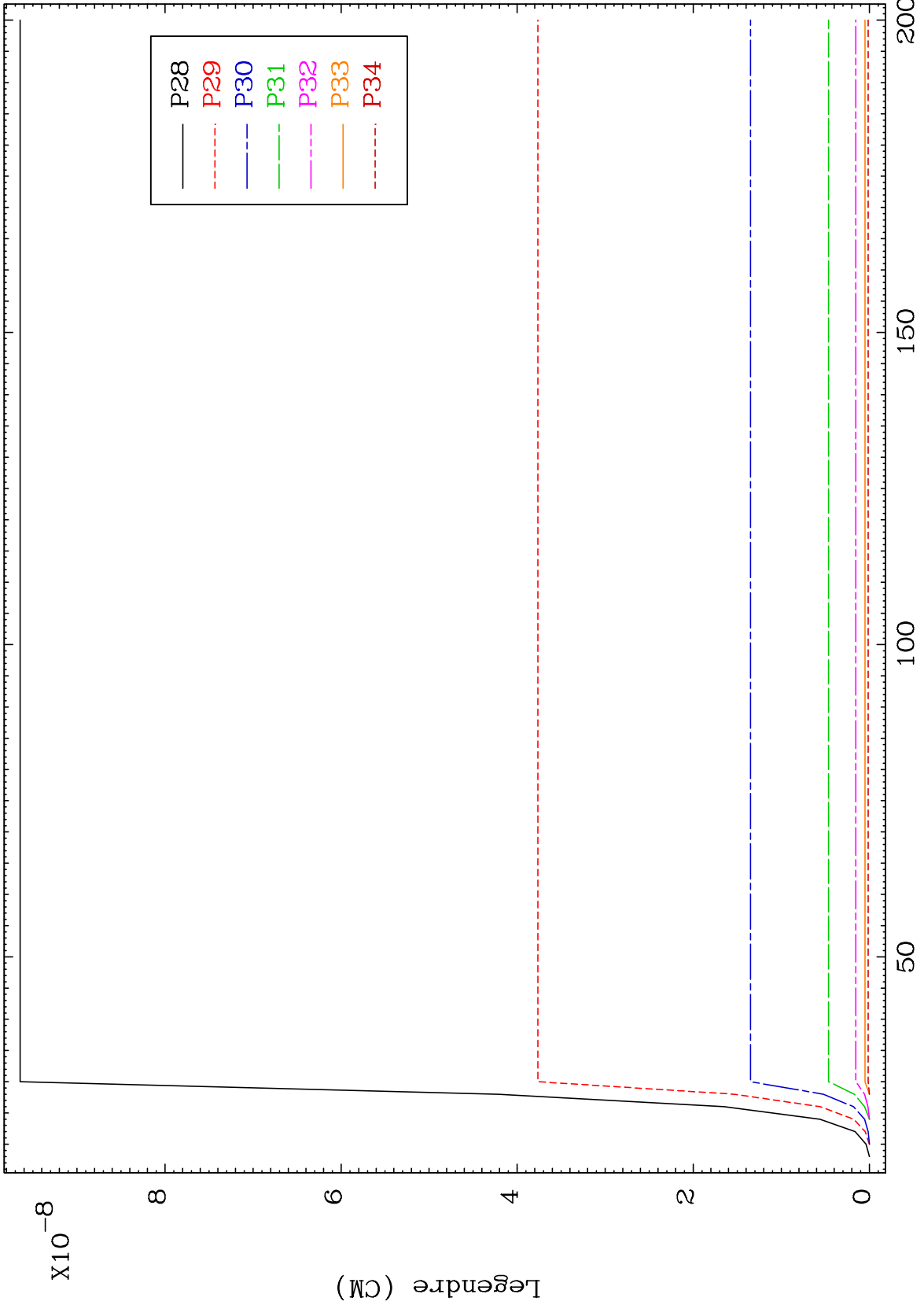
Incident Energy (MeV)

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MAT 4122

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

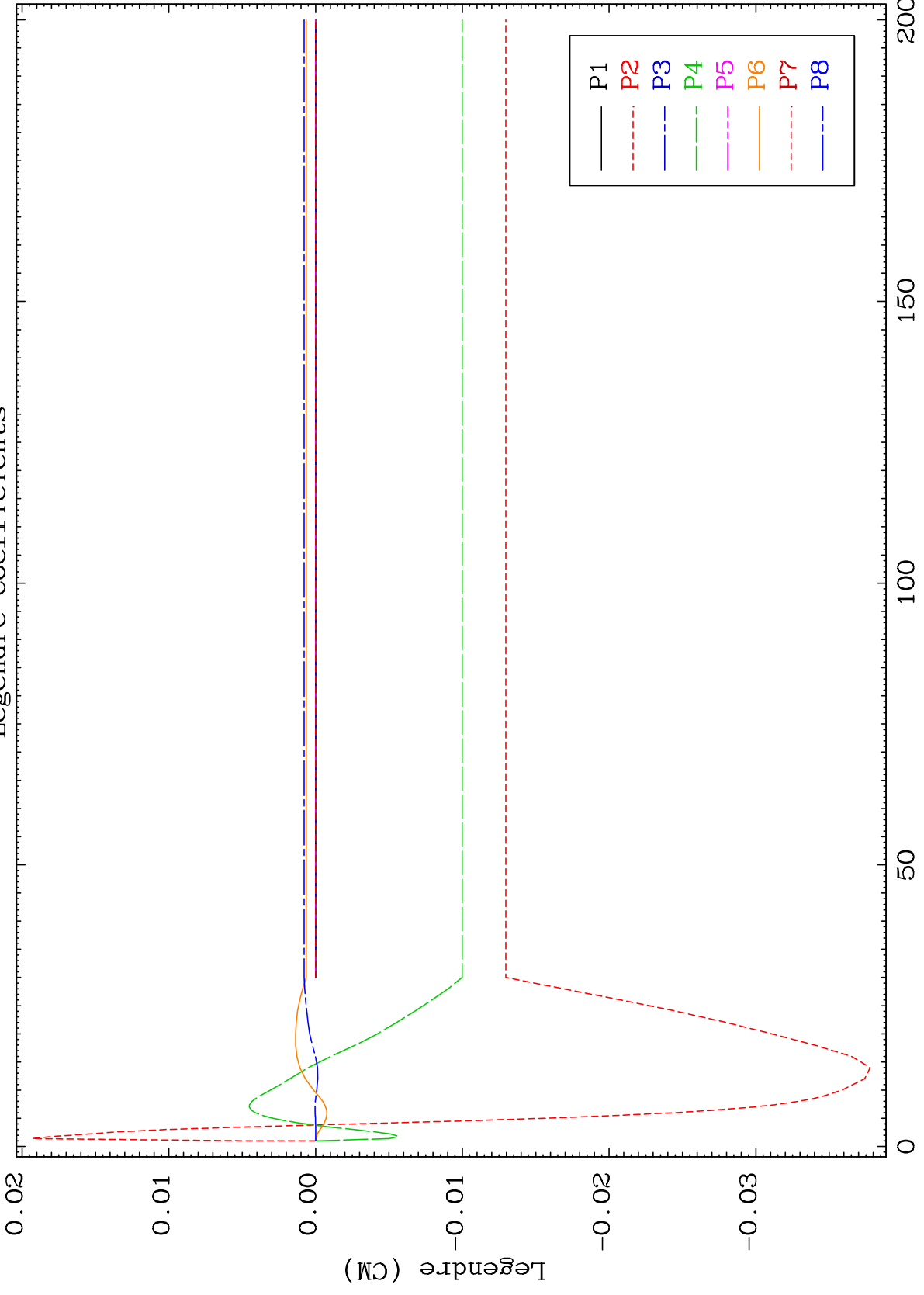
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43

41-Nb-92

MAT 4122 MT= 58 (n,n') Level Legendre Coefficients 41-Nb-92

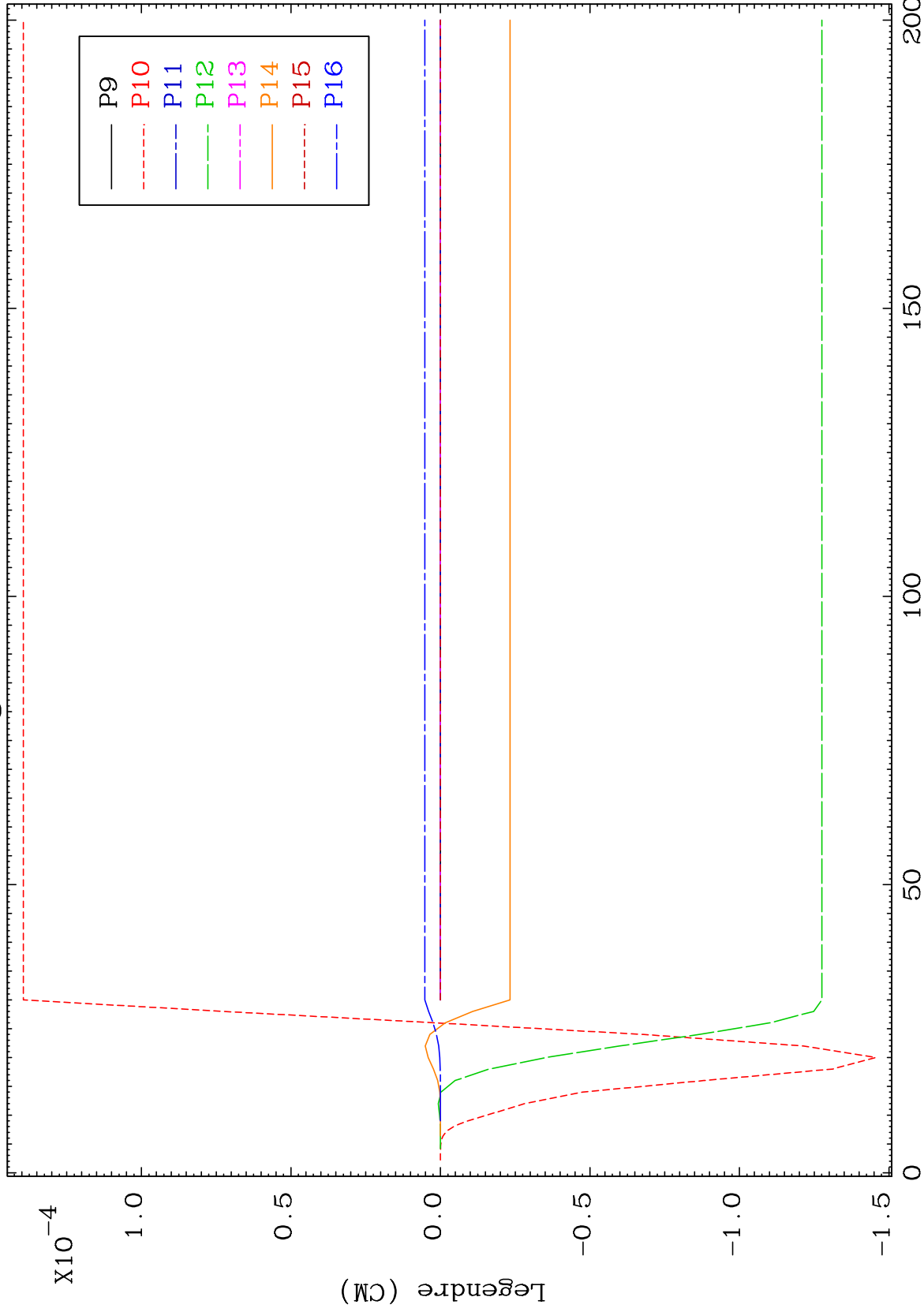


44 41-Nb-92

MAT 4122

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

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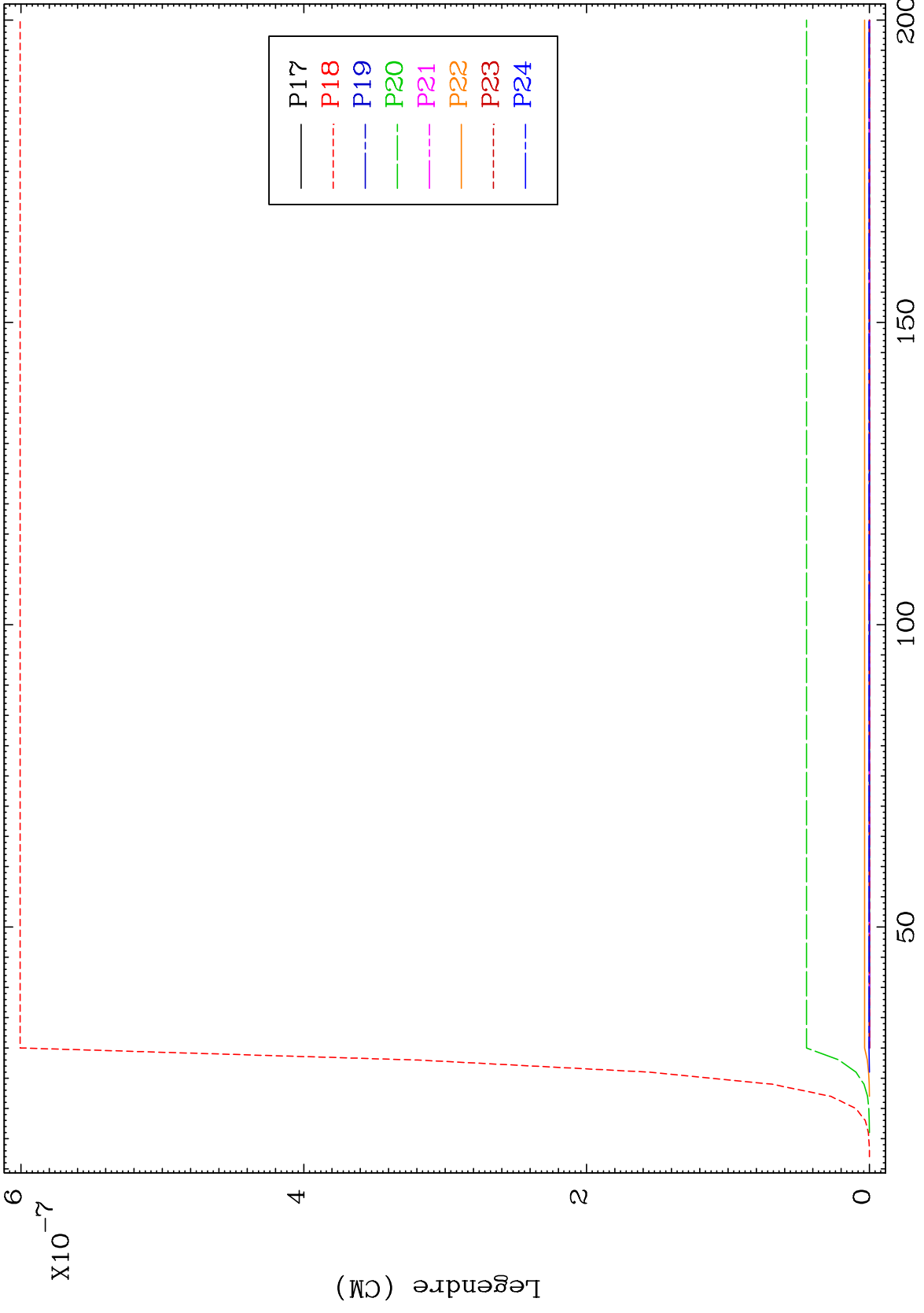


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Incident Energy (MeV)

41-Nb-92

MAT 4122 MT= 58 (n,n') Level Legendre Coefficients 41-Nb-92

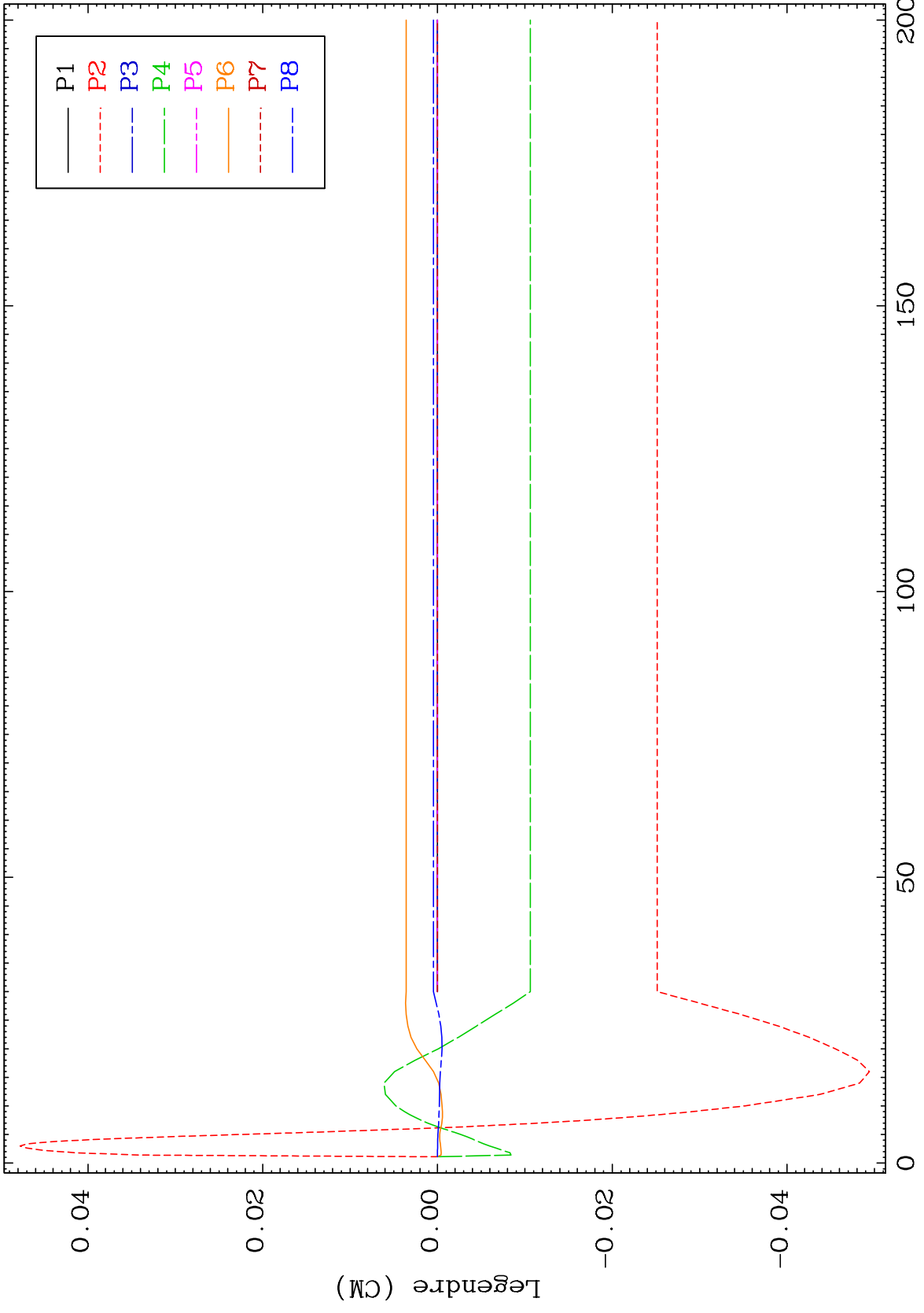


46 41-Nb-92

MAT 4122

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

41-Nb-92



47

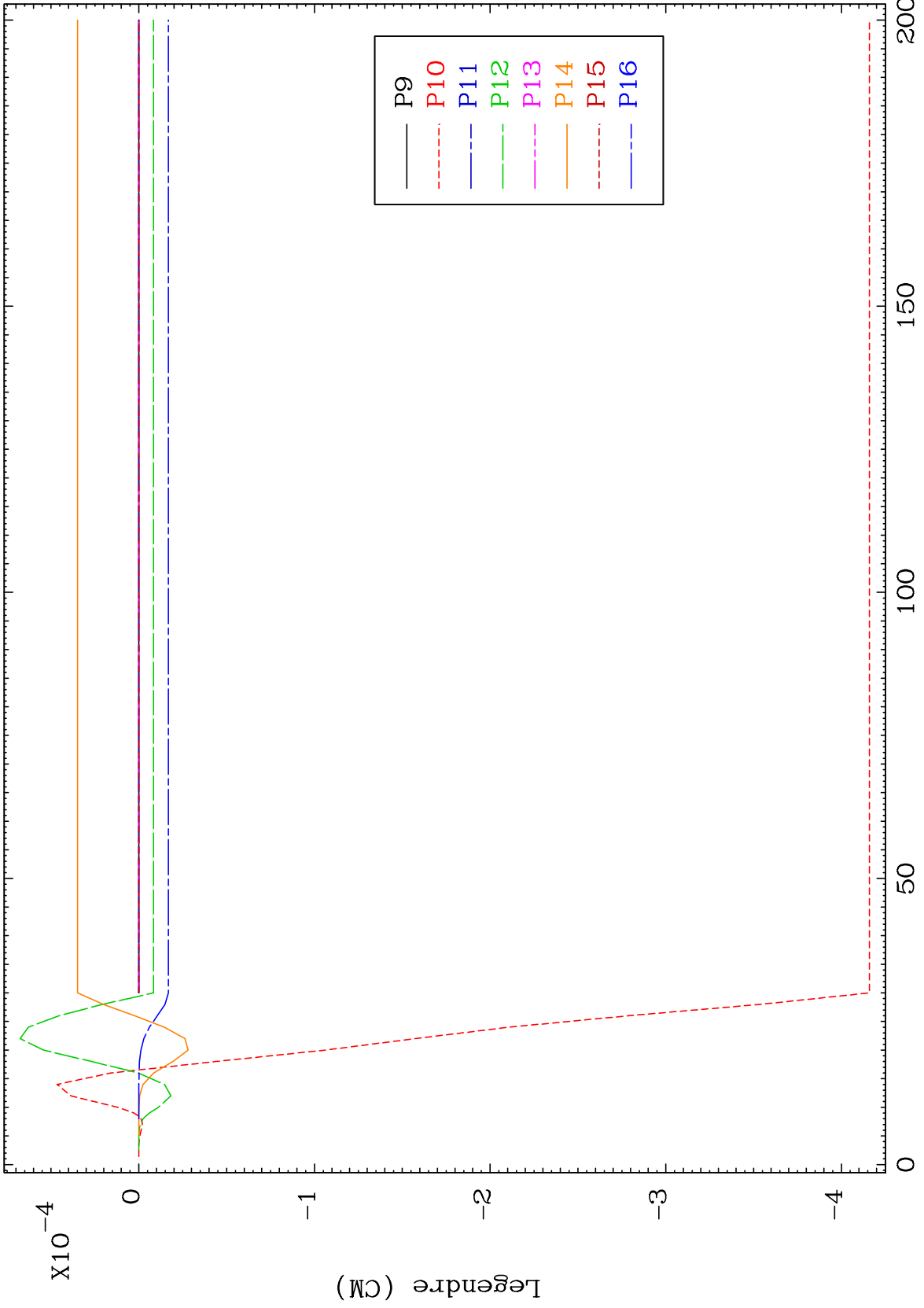
Incident Energy (MeV)

41-Nb-92

MAT 4122

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

41-Nb-92

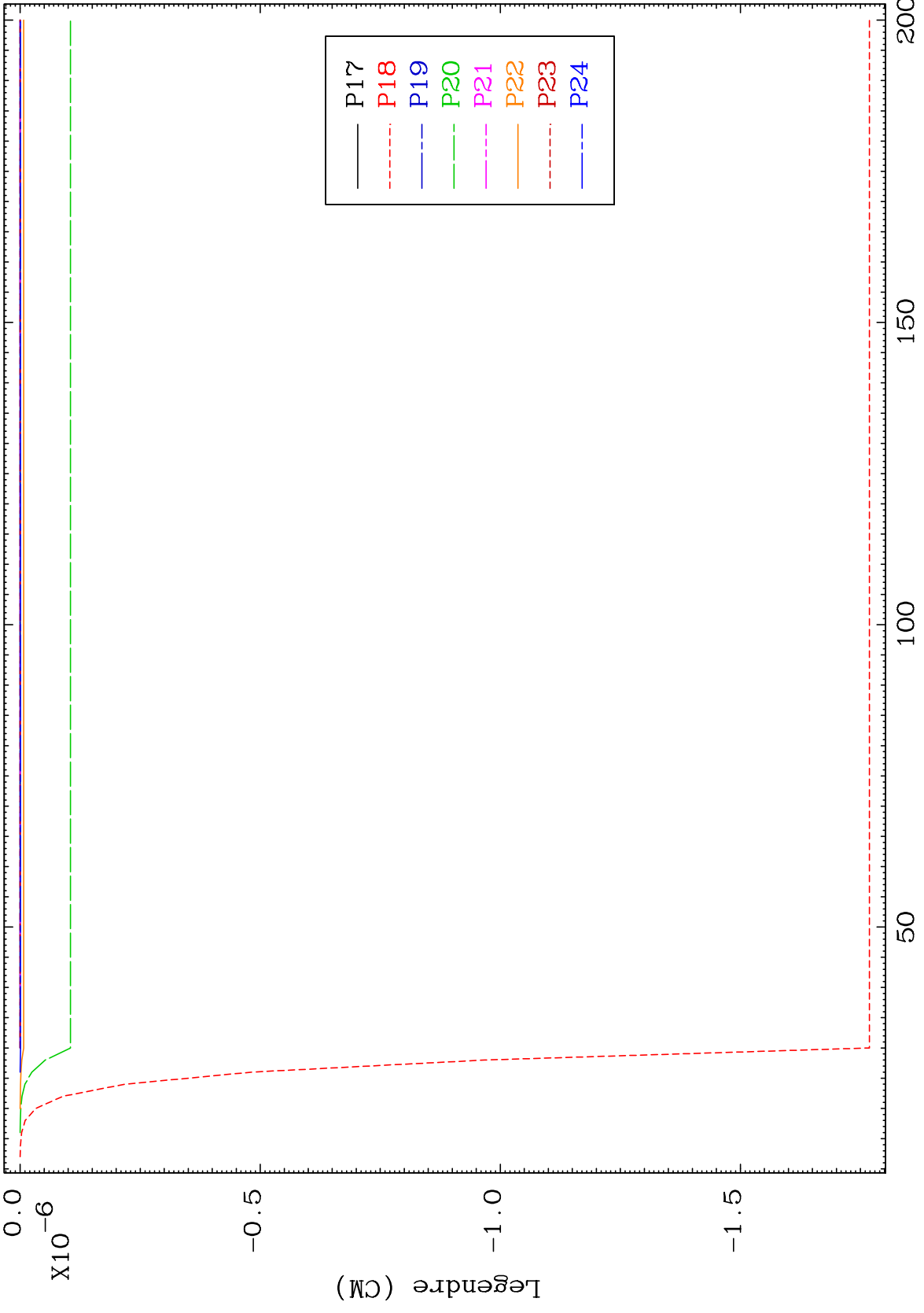


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Incident Energy (MeV)

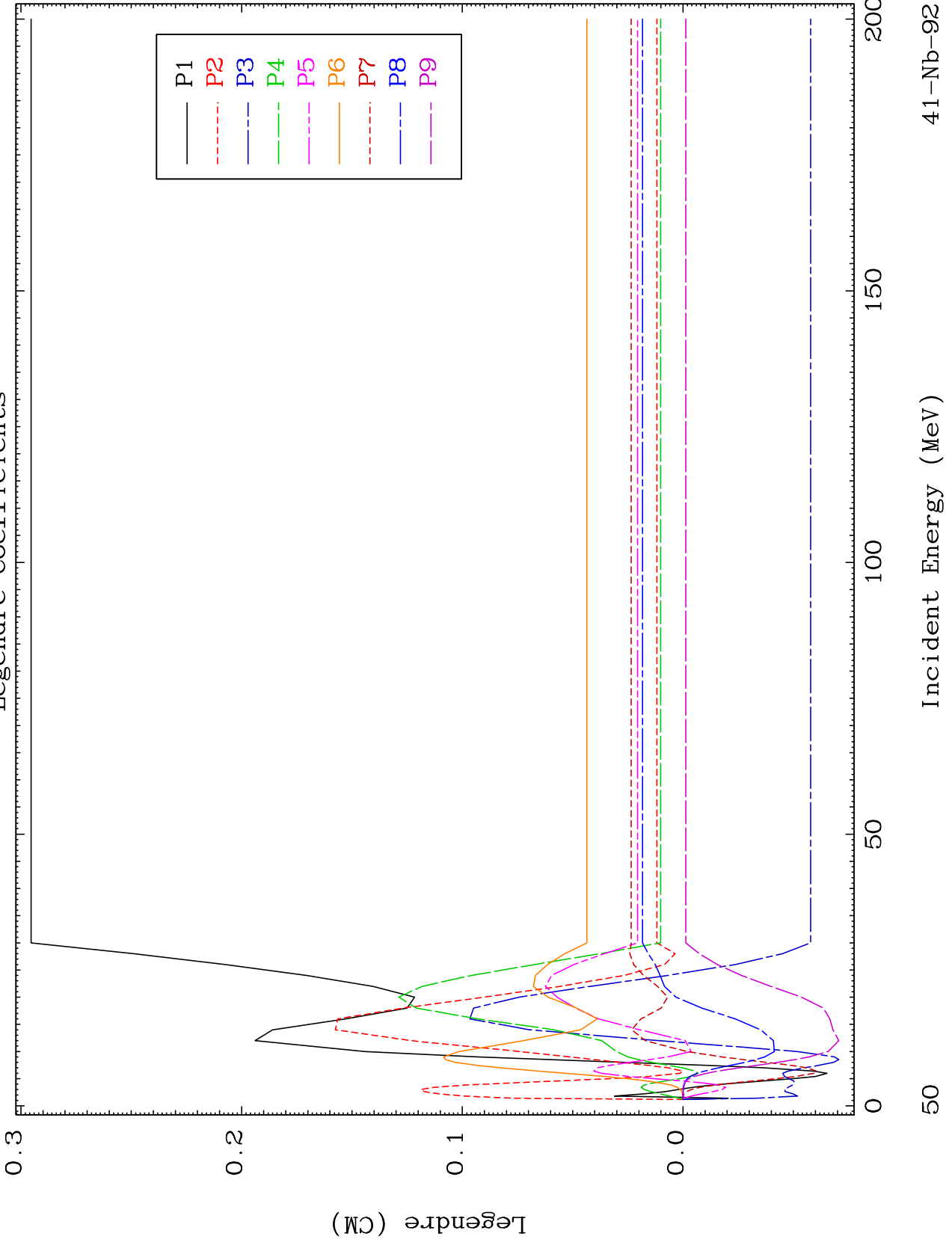
41-Nb-92

MAT 4122 MT= 59 (n,n') Level Legendre Coefficients 41-Nb-92



49 41-Nb-92

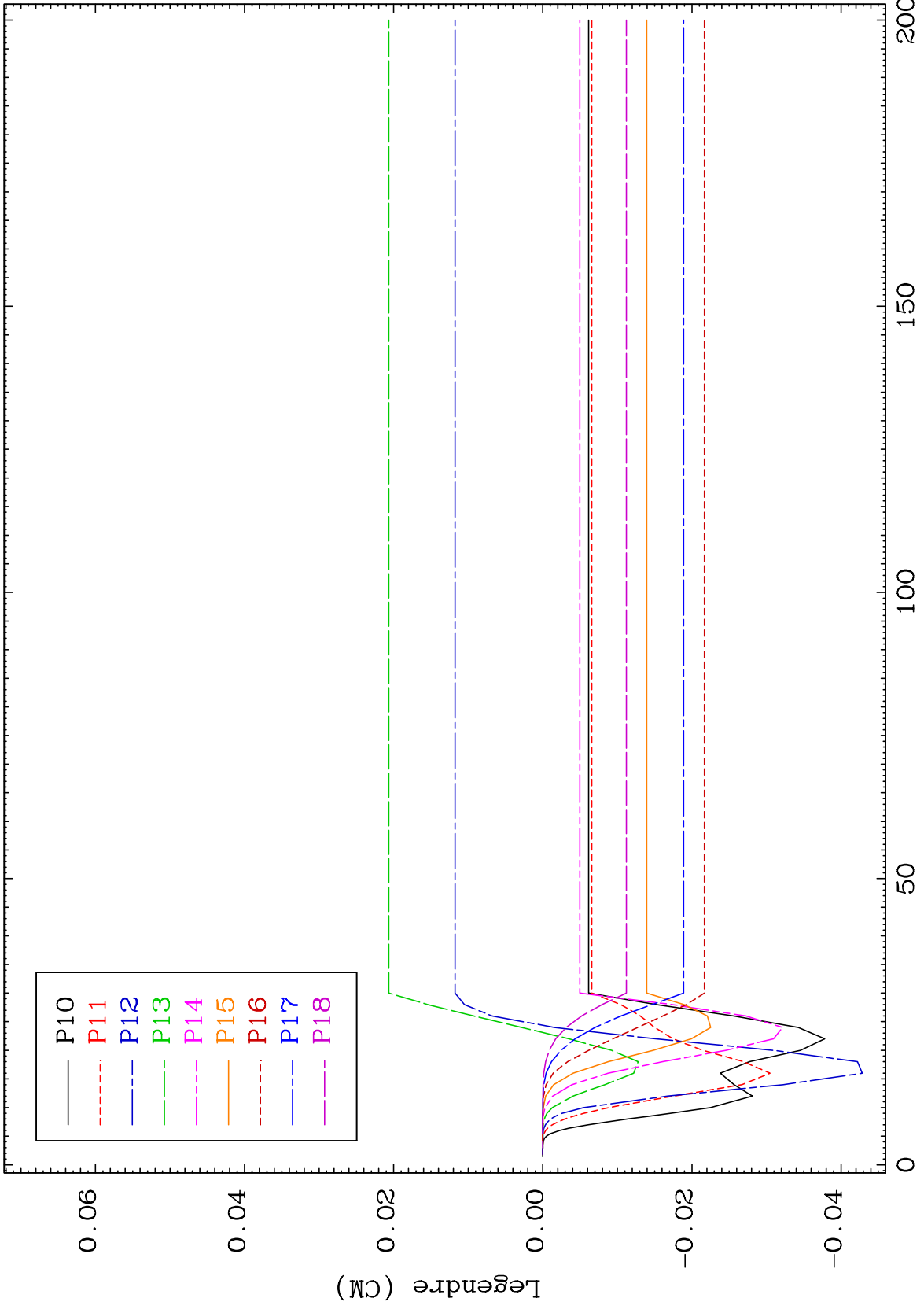
MAT 4122 MT= 60 (n,n') Level Legendre Coefficients 41-Nb-92



MAT 4122

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

41-Nb-92

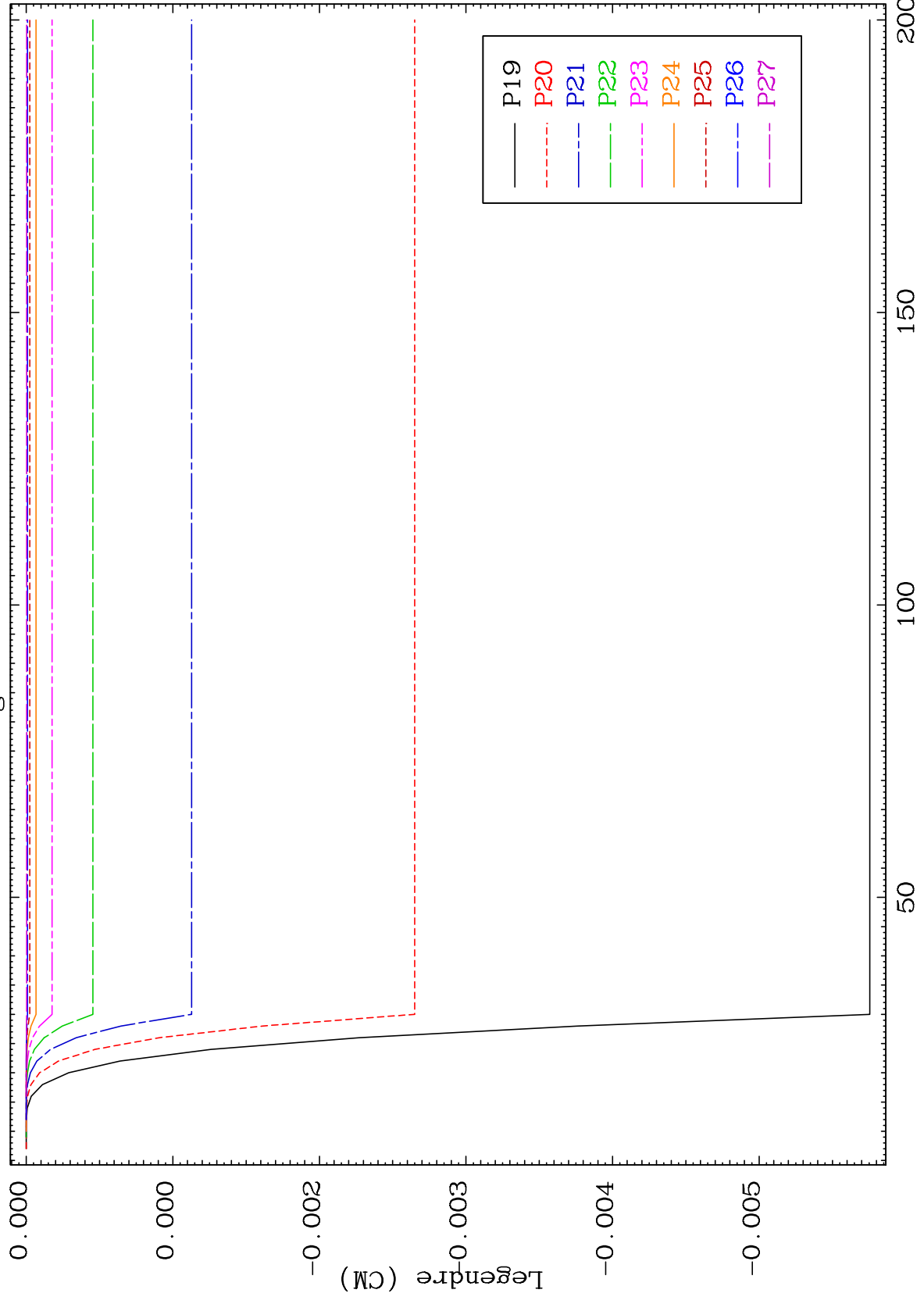


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Incident Energy (MeV)

41-Nb-92

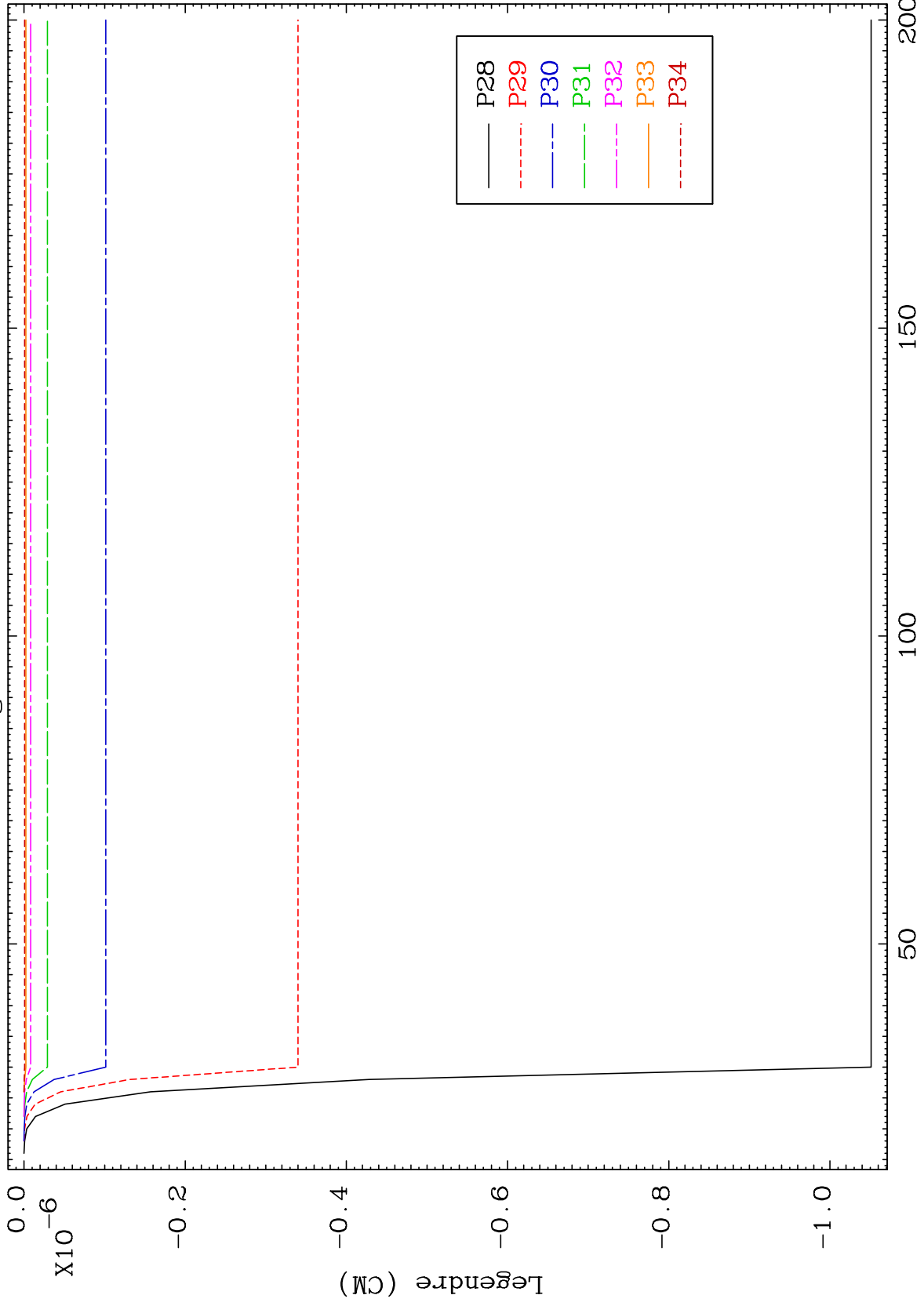
MAT 4122 MT= 60 (n,n') Level Legendre Coefficients 41-Nb-92



MAT 4122

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

41-Nb-92



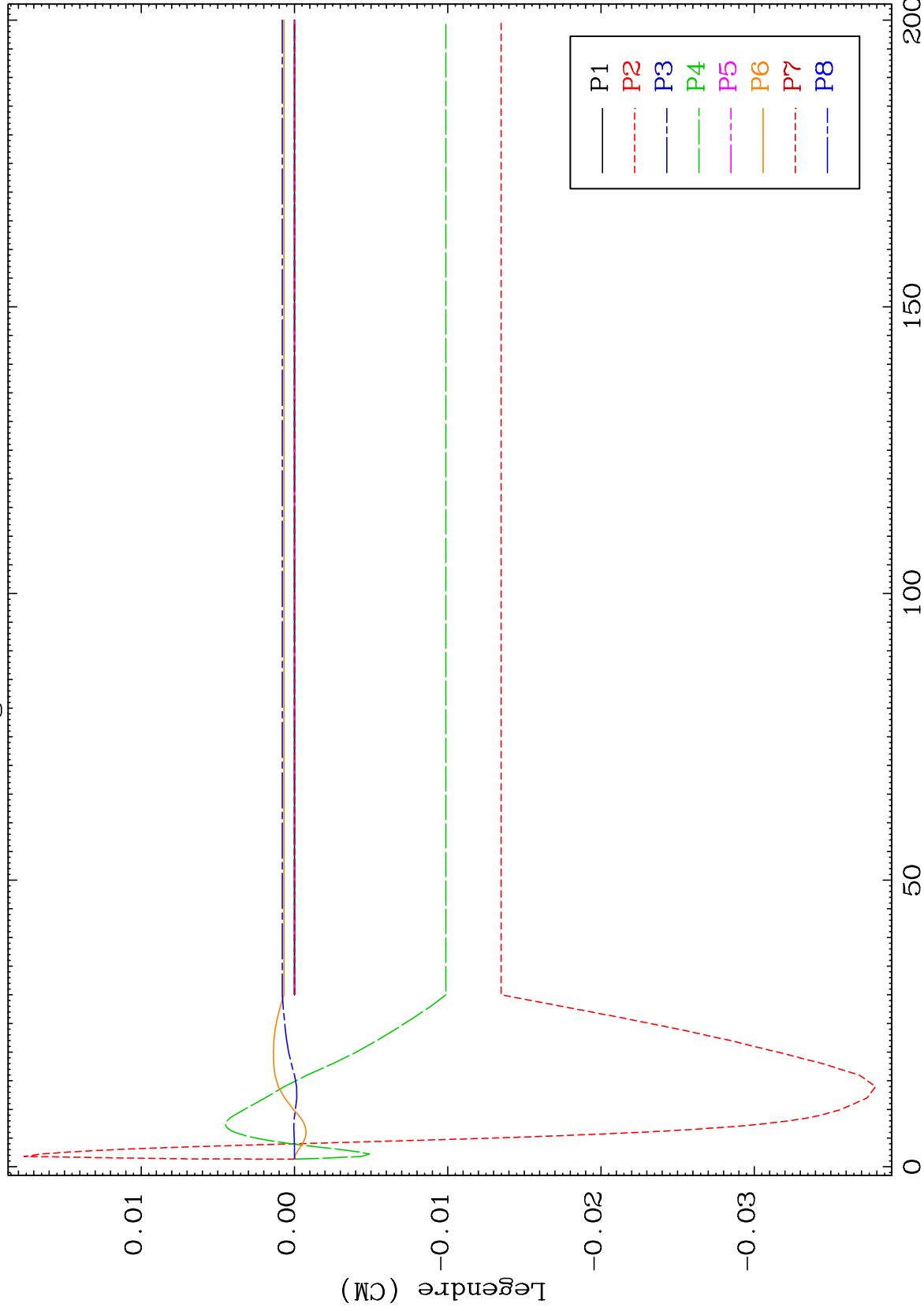
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41-Nb-92

MAT 4122

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

41-Nb-92



54

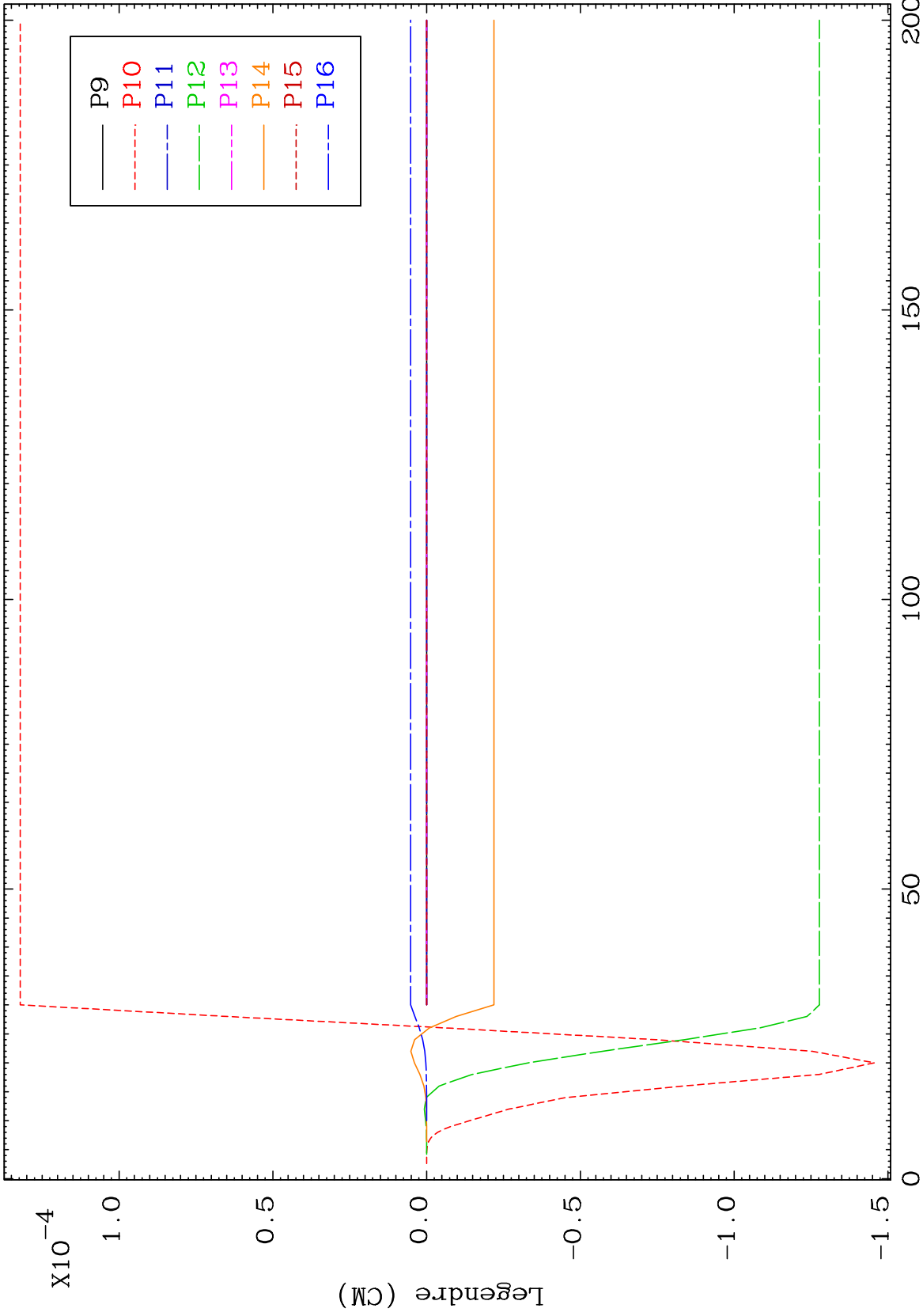
Incident Energy (MeV)

41-Nb-92

MAT 4122

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

41-Nb-92



55

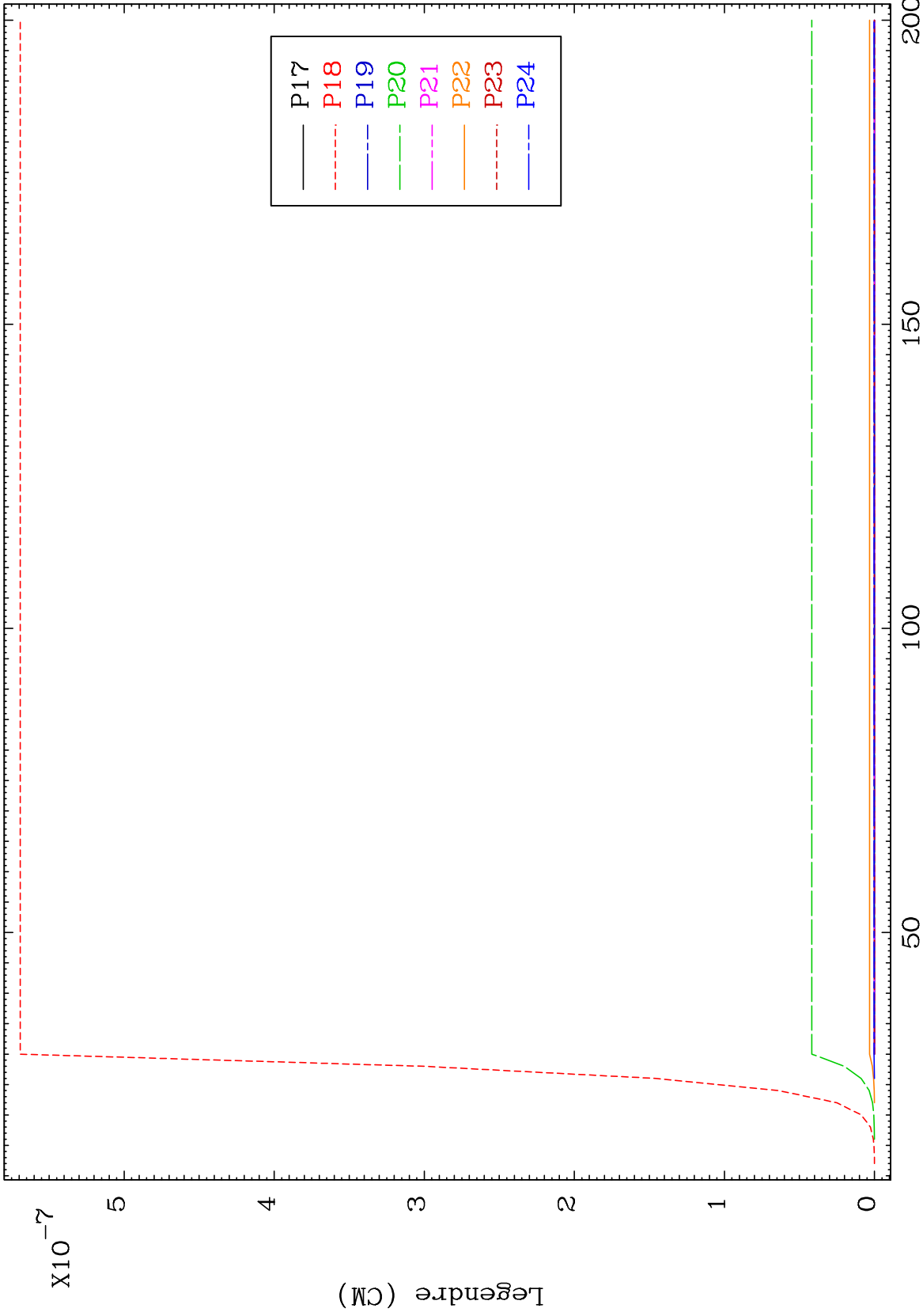
Incident Energy (MeV)

41-Nb-92

MAT 4122

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

41-Nb-92



56

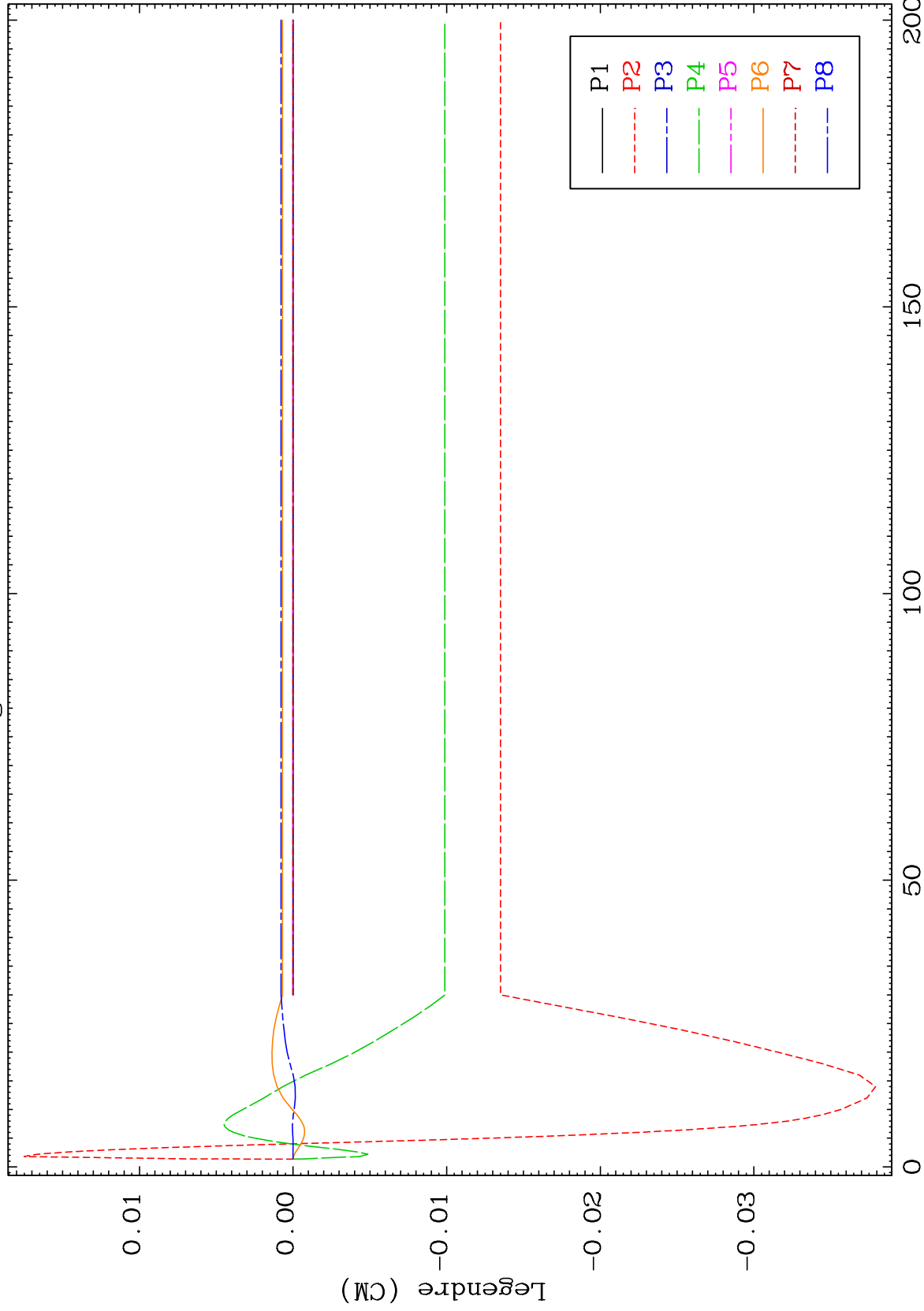
Incident Energy (MeV)

41-Nb-92

MAT 4122

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

41-Nb-92



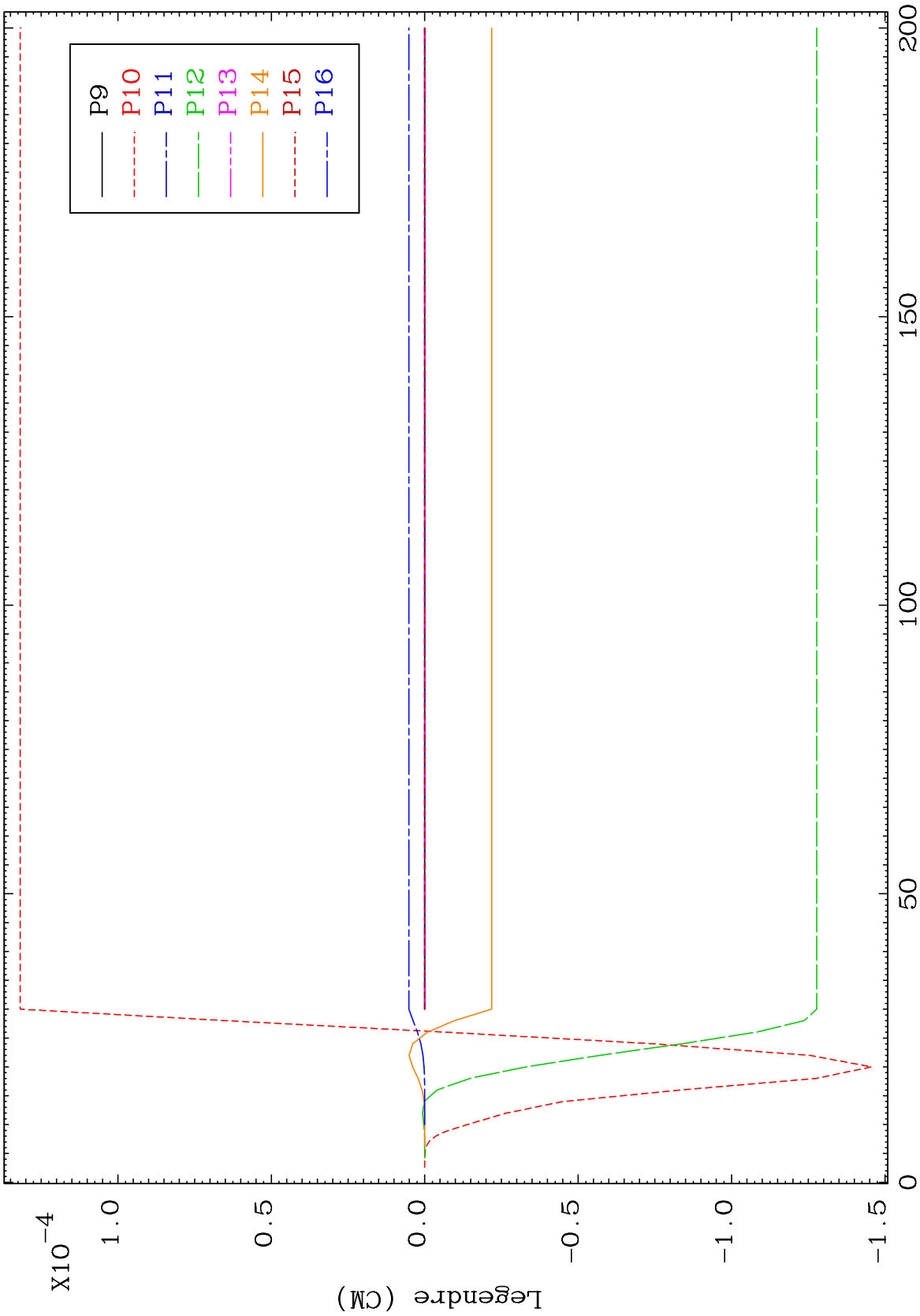
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41-Nb-92

MAT 4122

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

41-Nb-92



58

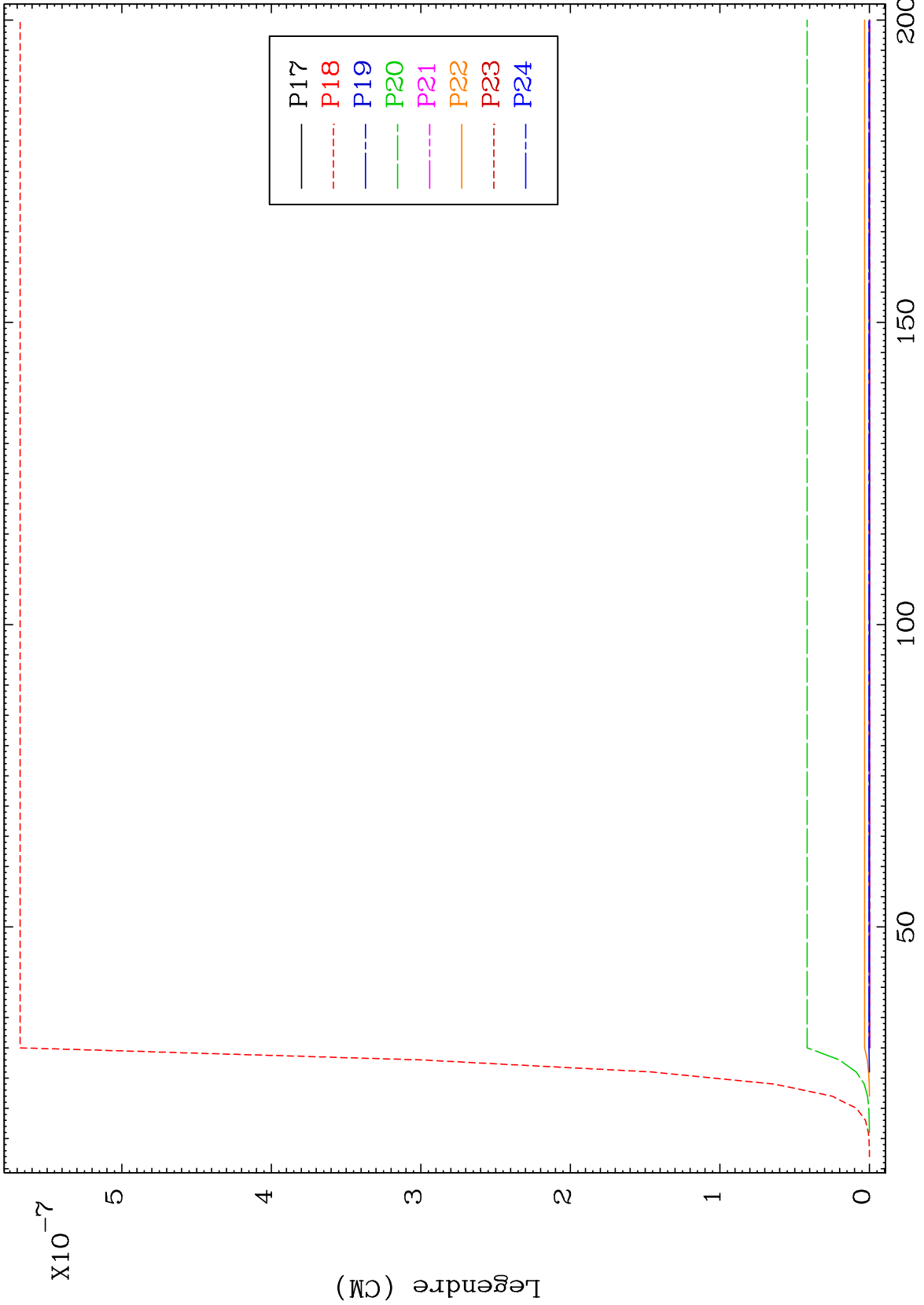
Incident Energy (MeV)

41-Nb-92

MAT 4122

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

41-Nb-92



59

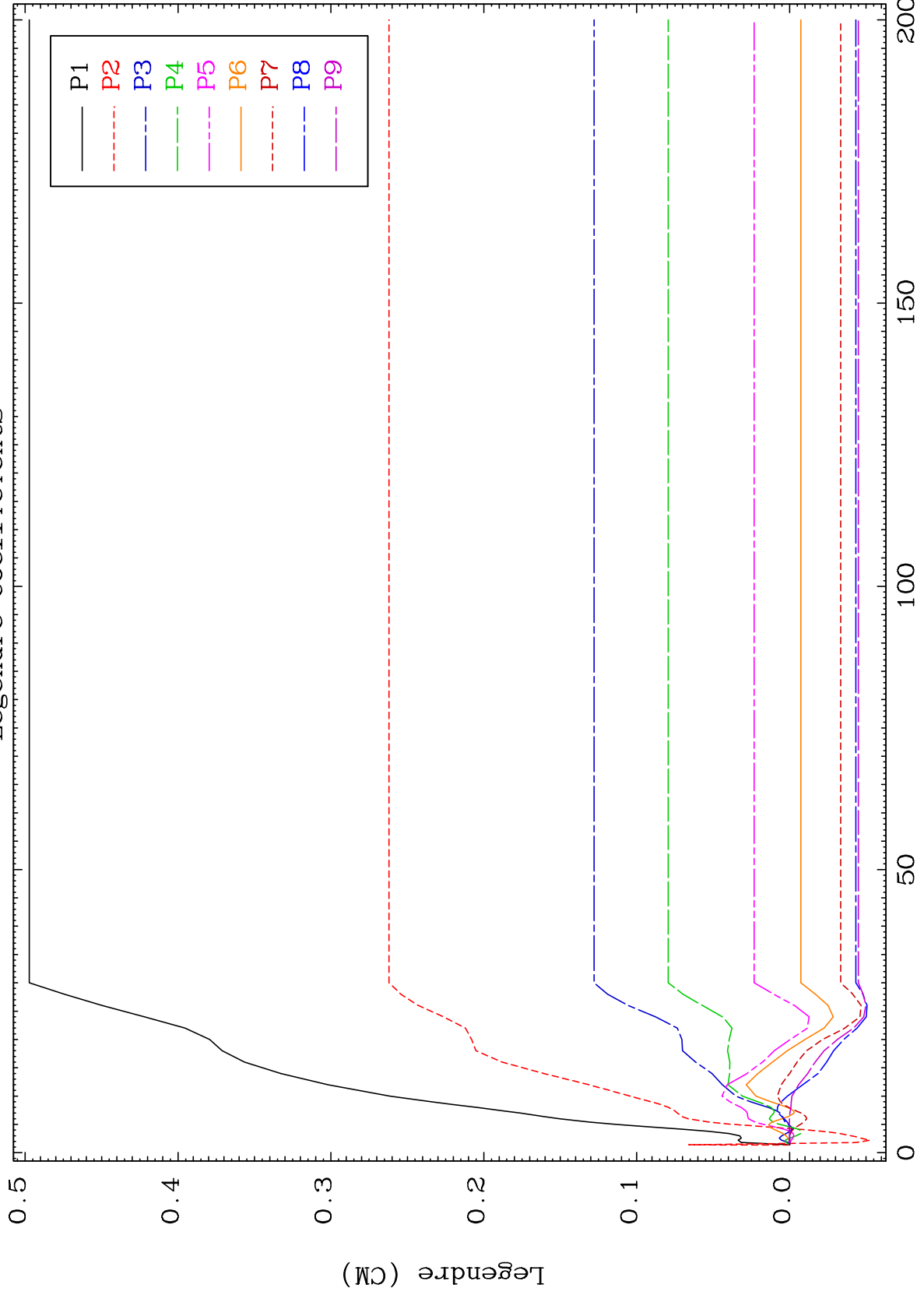
Incident Energy (MeV)

41-Nb-92

MAT 4122

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

41-Nb-92



41-Nb-92

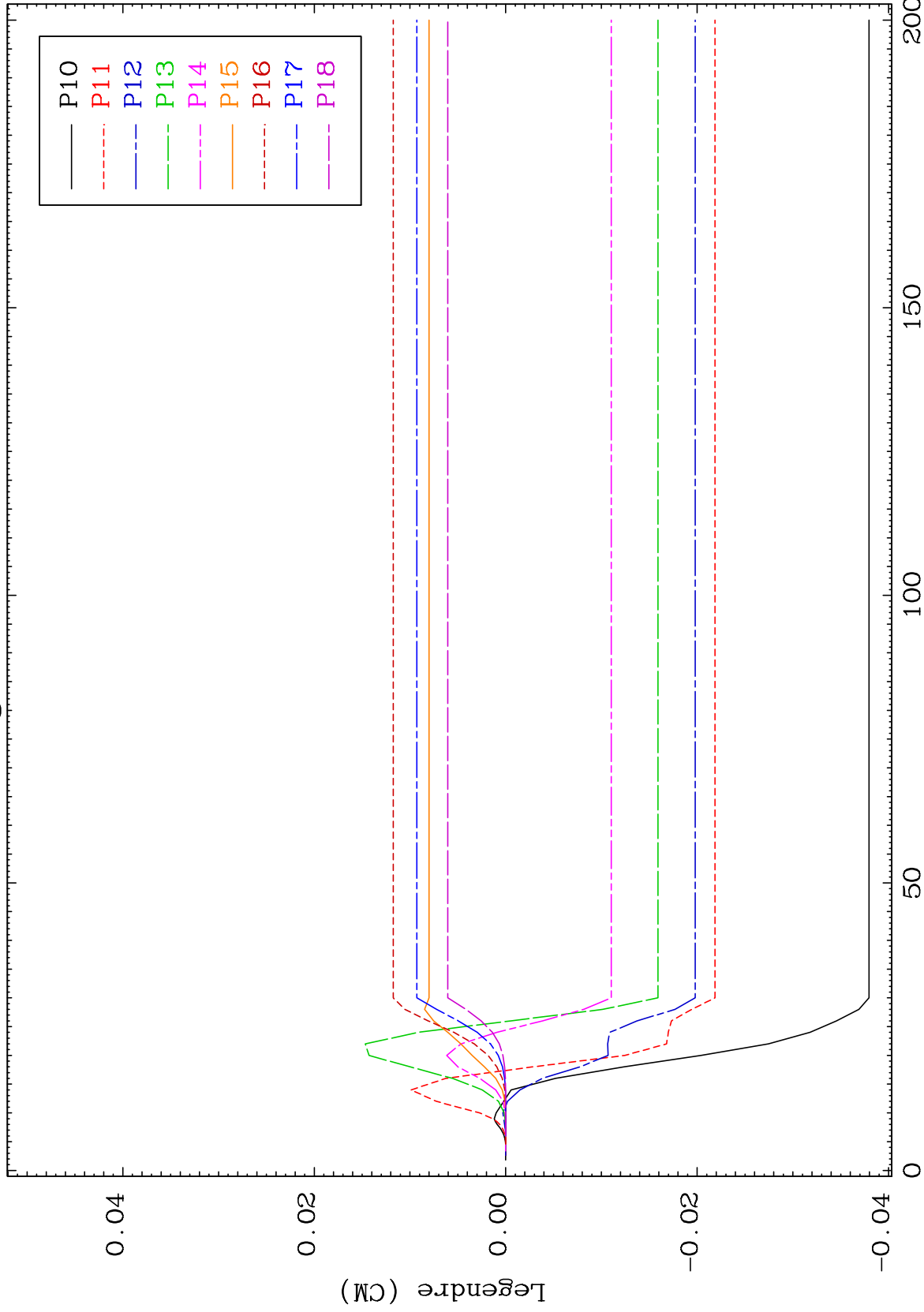
Incident Energy (MeV)

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MAT 4122

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

41-Nb-92



61

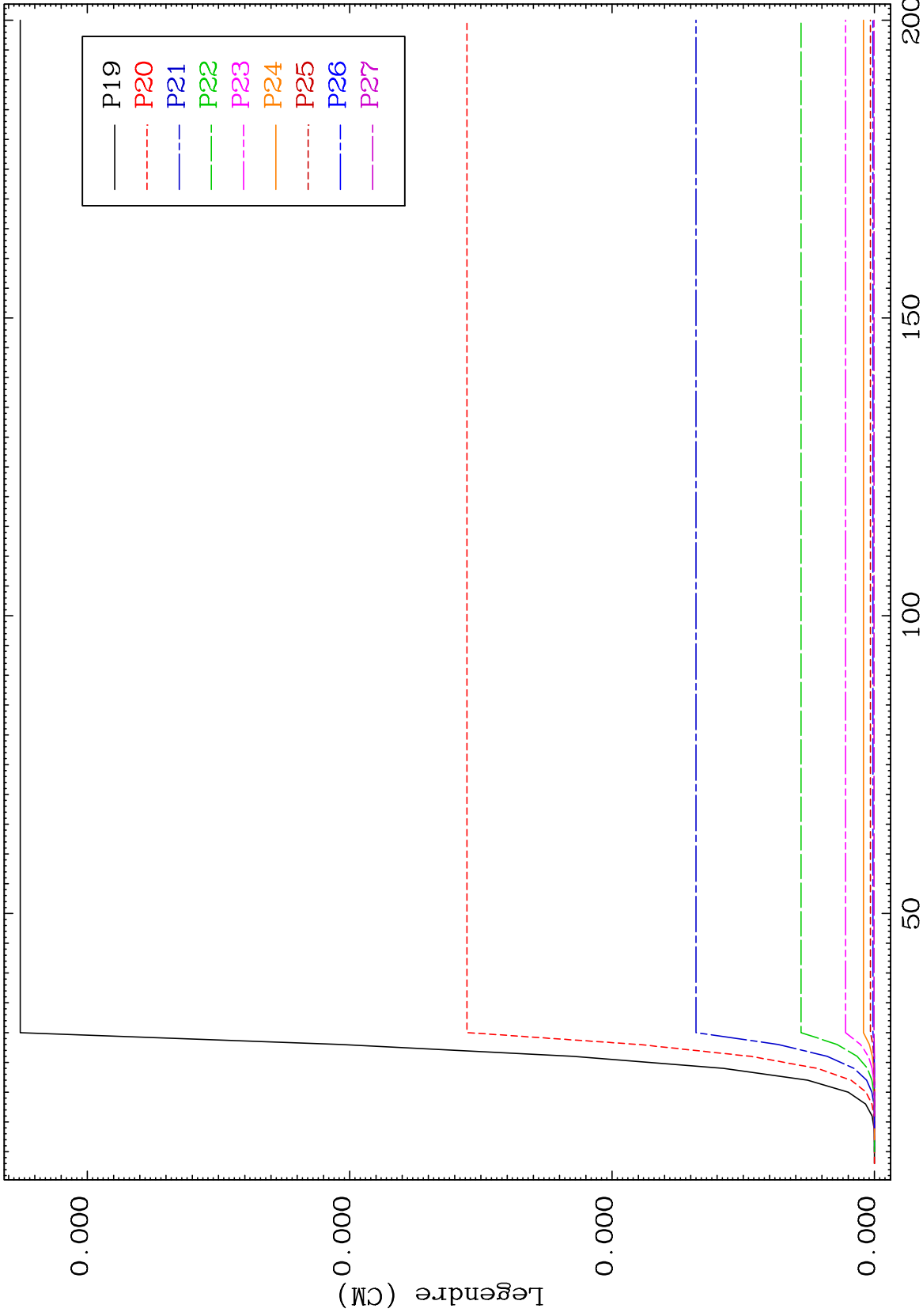
Incident Energy (MeV)

41-Nb-92

MAT 4122

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

41-Nb-92



62

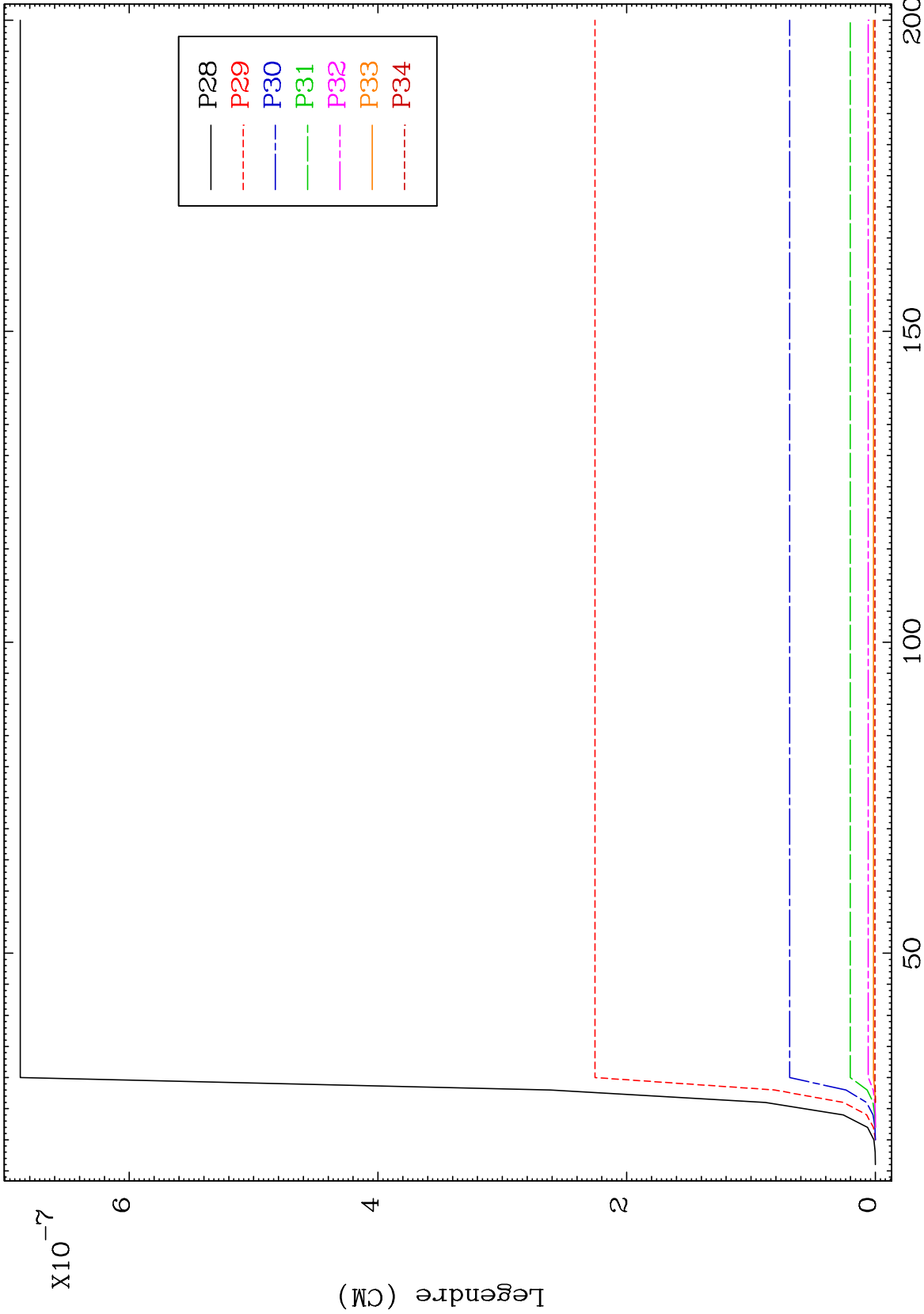
Incident Energy (MeV)

41-Nb-92

MAT 4122

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

41-Nb-92



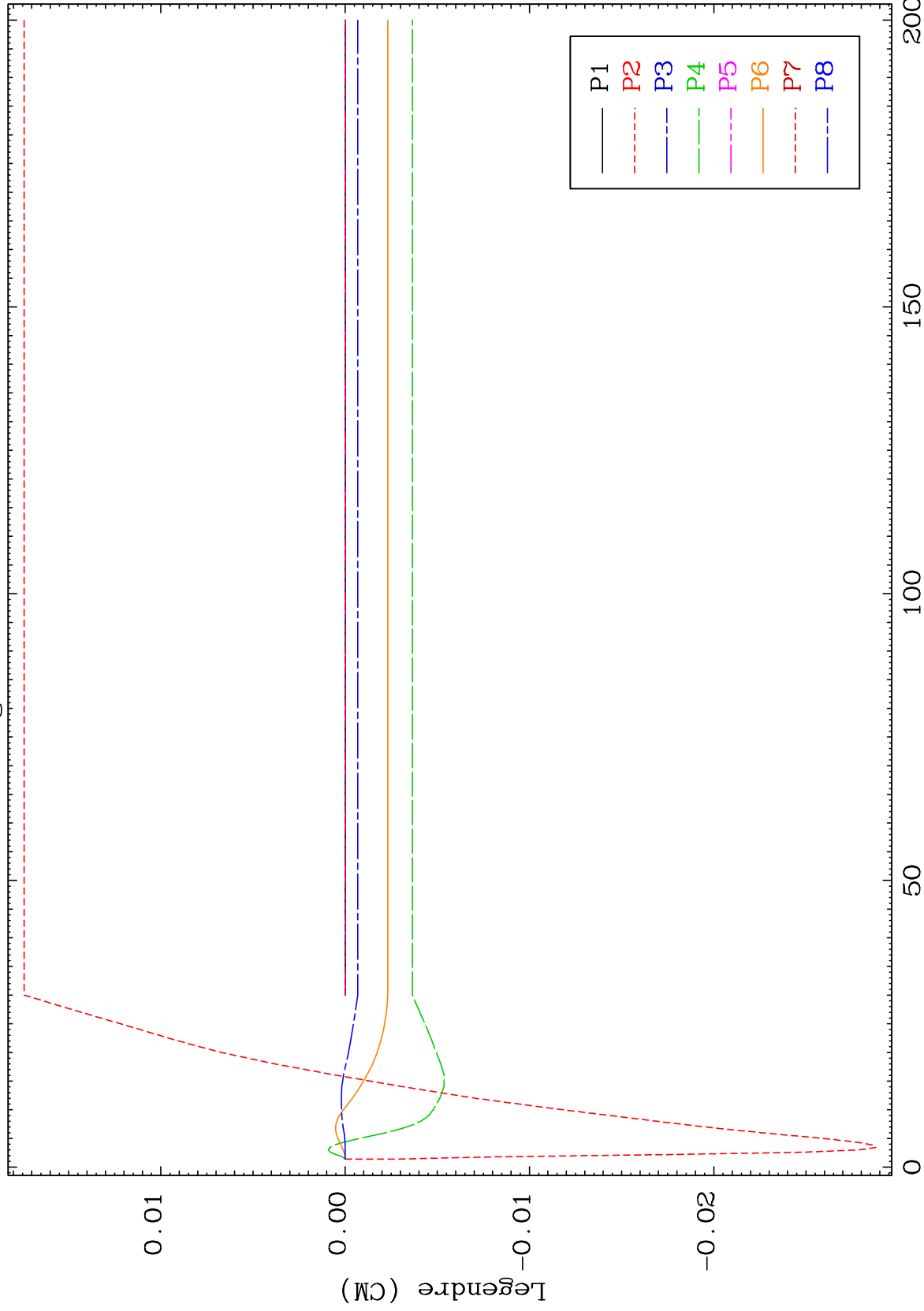
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41-Nb-92

MAT 4122

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

41-Nb-92



64

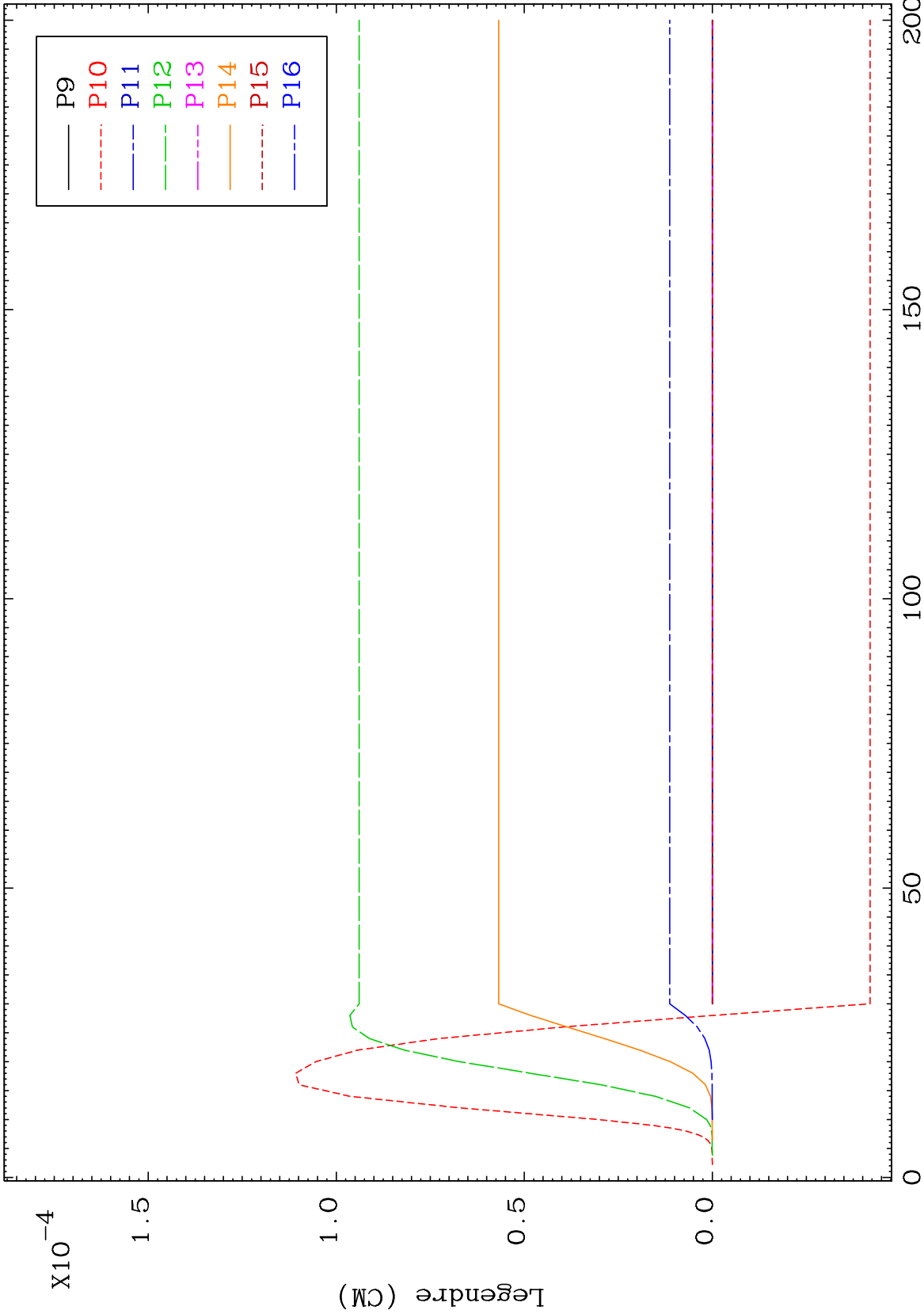
Incident Energy (MeV)

41-Nb-92

MAT 4122

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

41-Nb-92



65

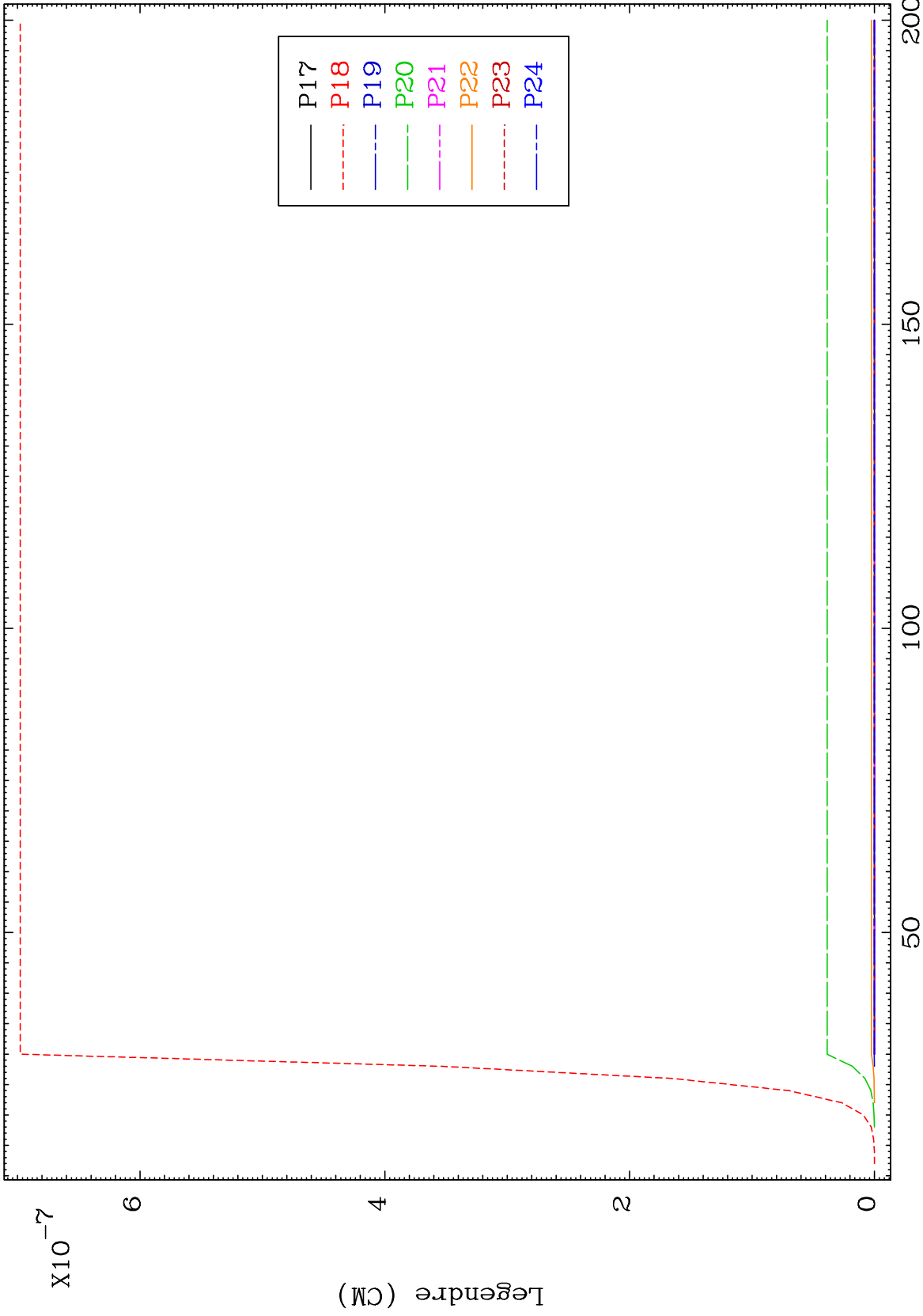
Incident Energy (MeV)

41-Nb-92

MAT 4122

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

41-Nb-92



66

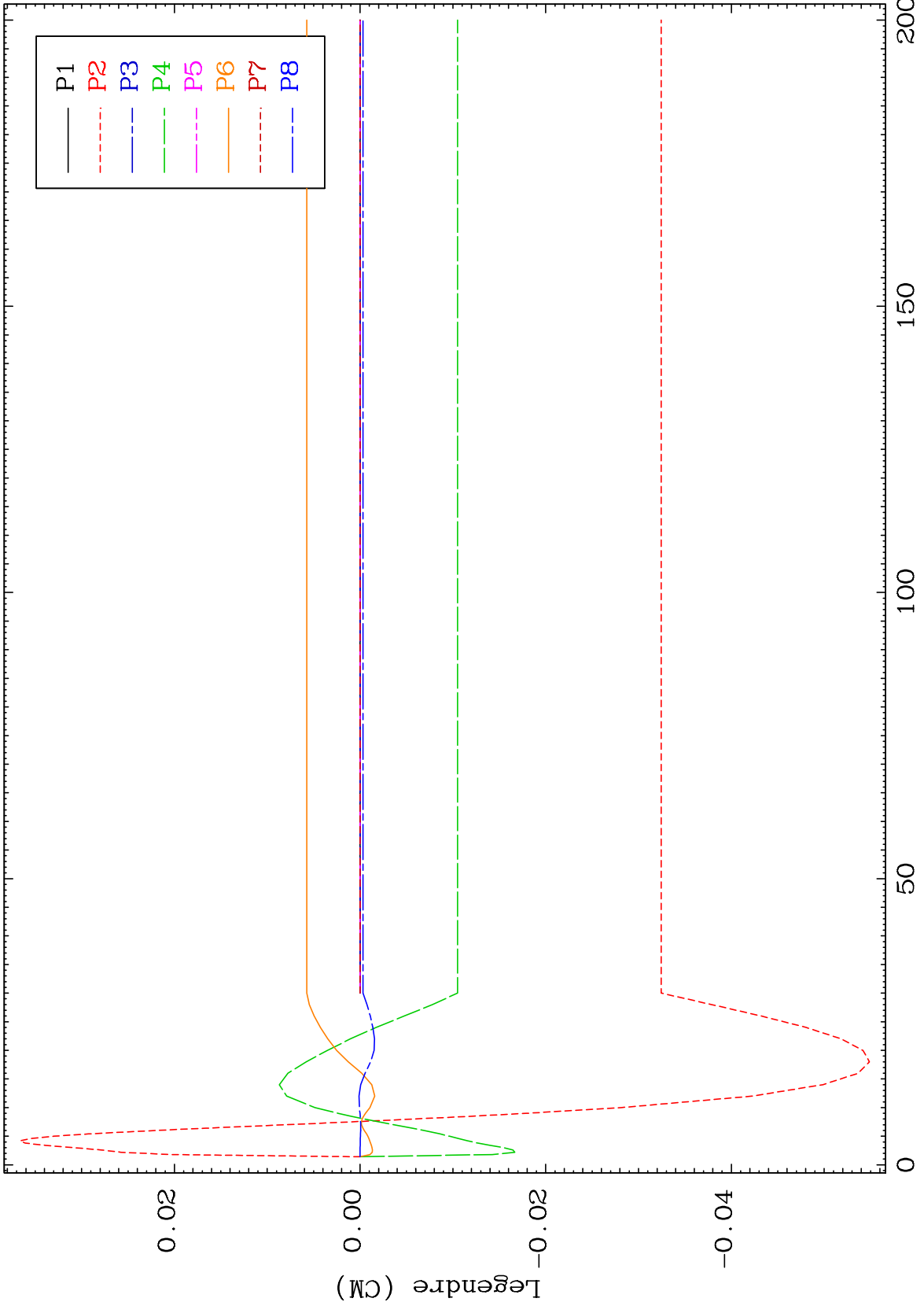
Incident Energy (MeV)

41-Nb-92

MAT 4122

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

41-Nb-92



67

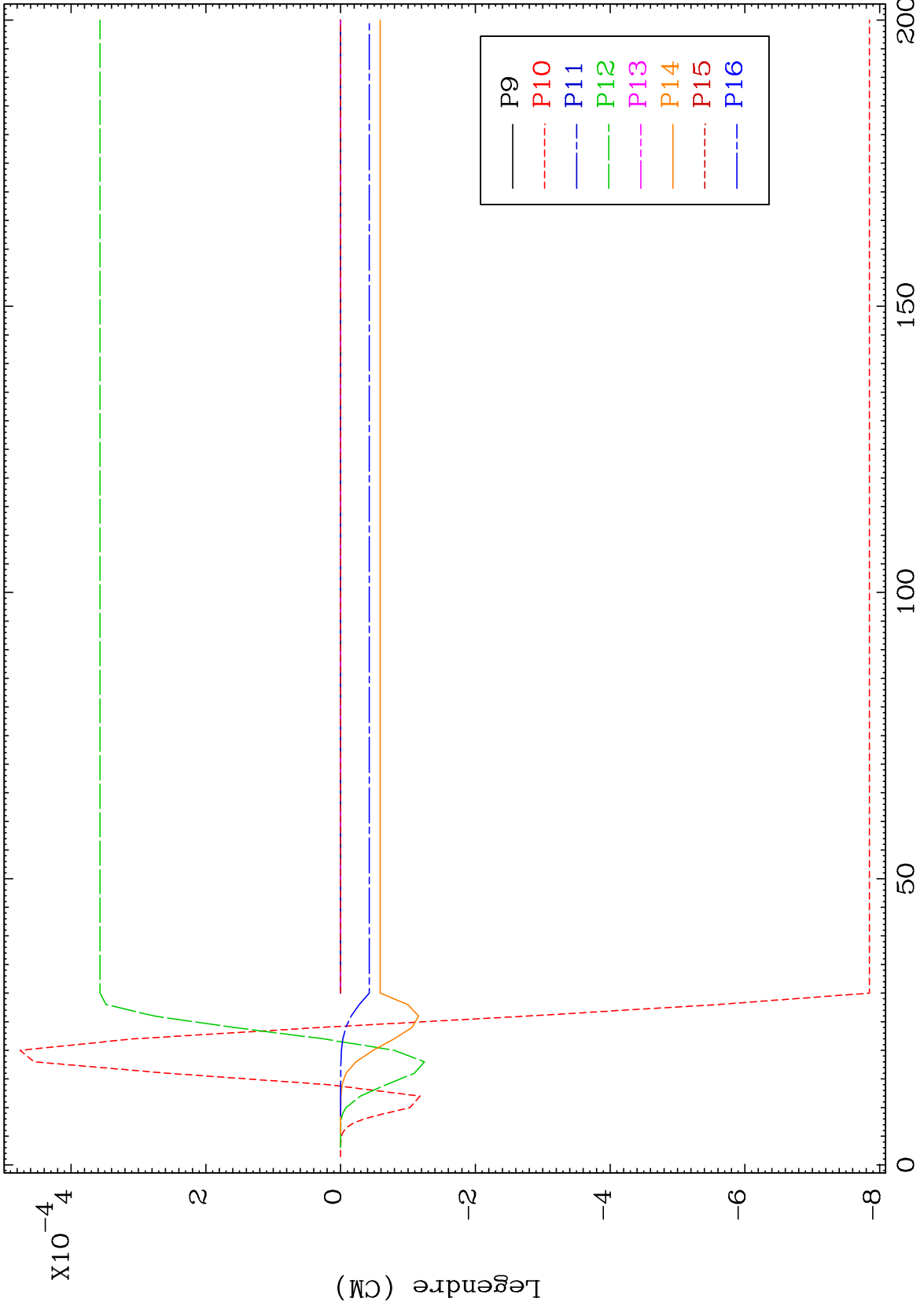
Incident Energy (MeV)

41-Nb-92

MAT 4122

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

41-Nb-92



68

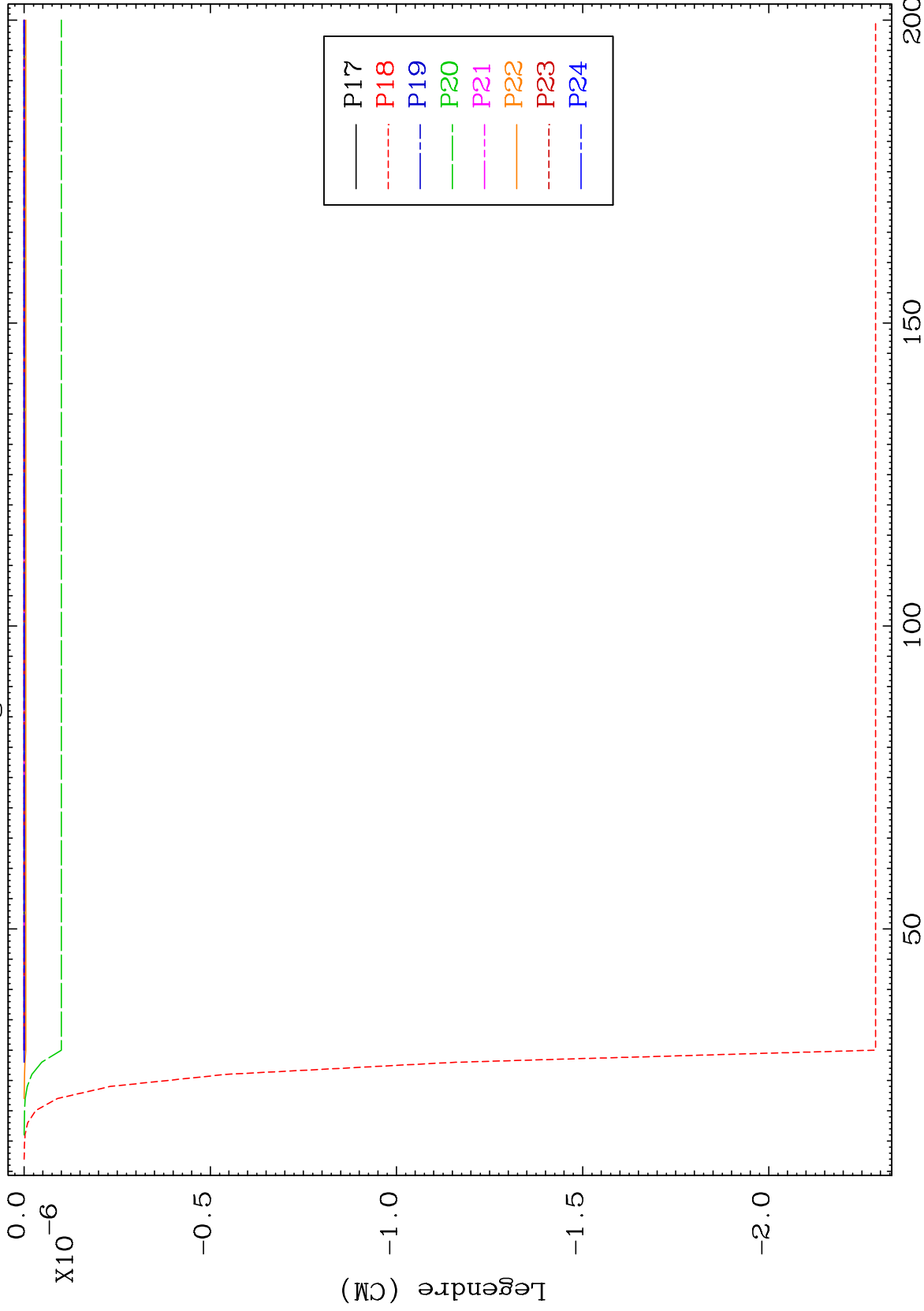
Incident Energy (MeV)

41-Nb-92

MAT 4122

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

41-Nb-92



69

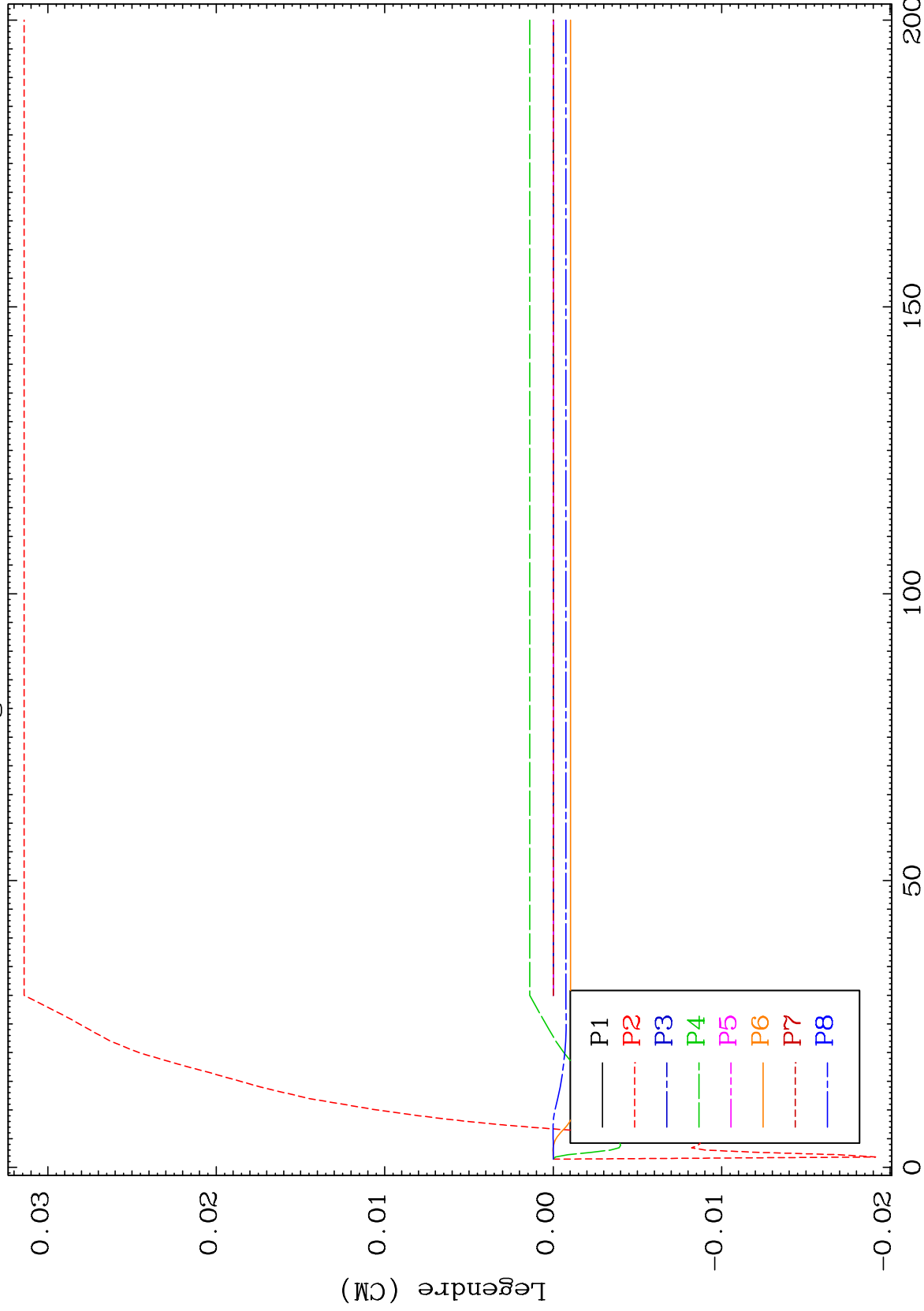
Incident Energy (MeV)

41-Nb-92

MAT 4122

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

41-Nb-92



70

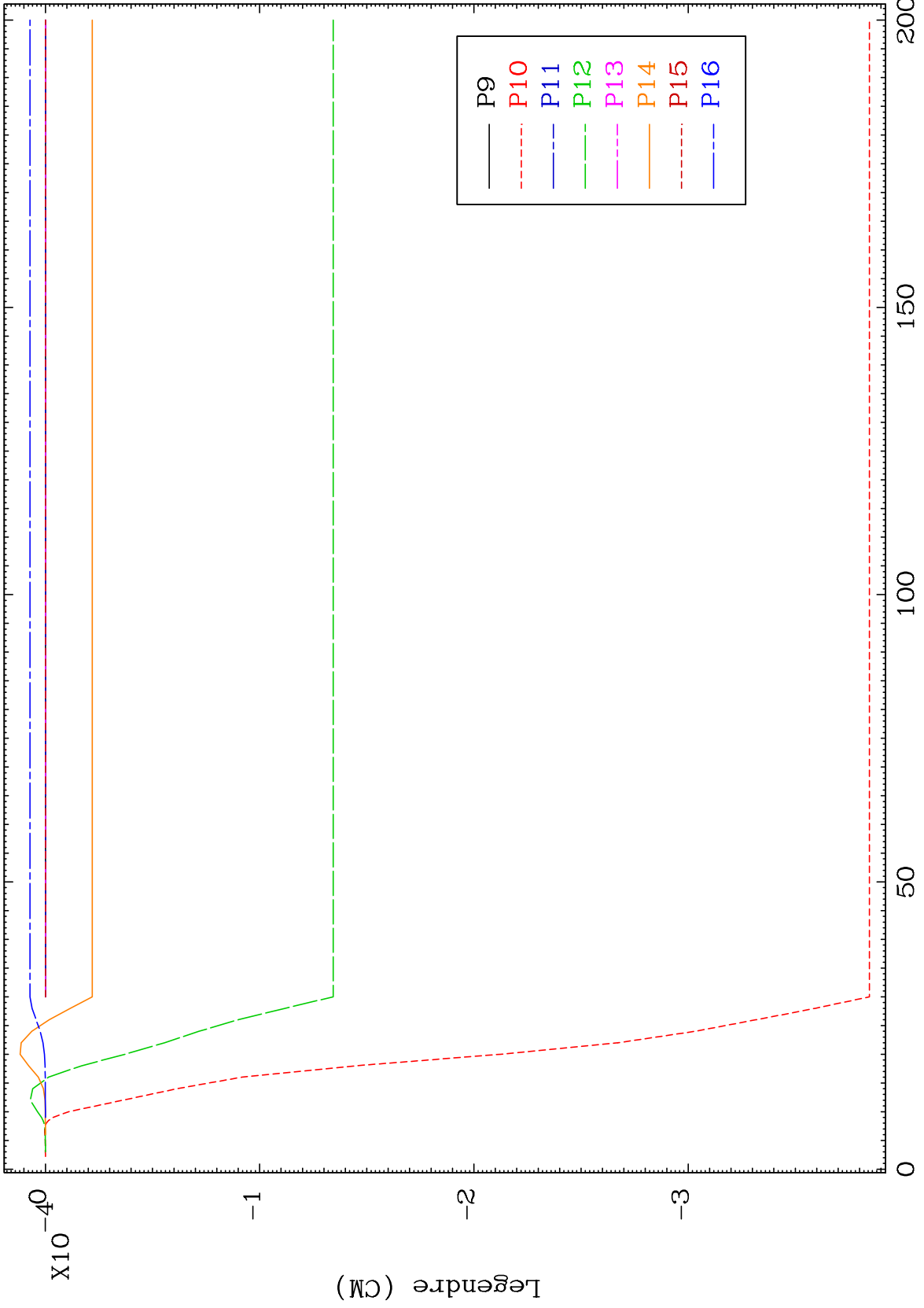
Incident Energy (MeV)

41-Nb-92

MAT 4122

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

41-Nb-92

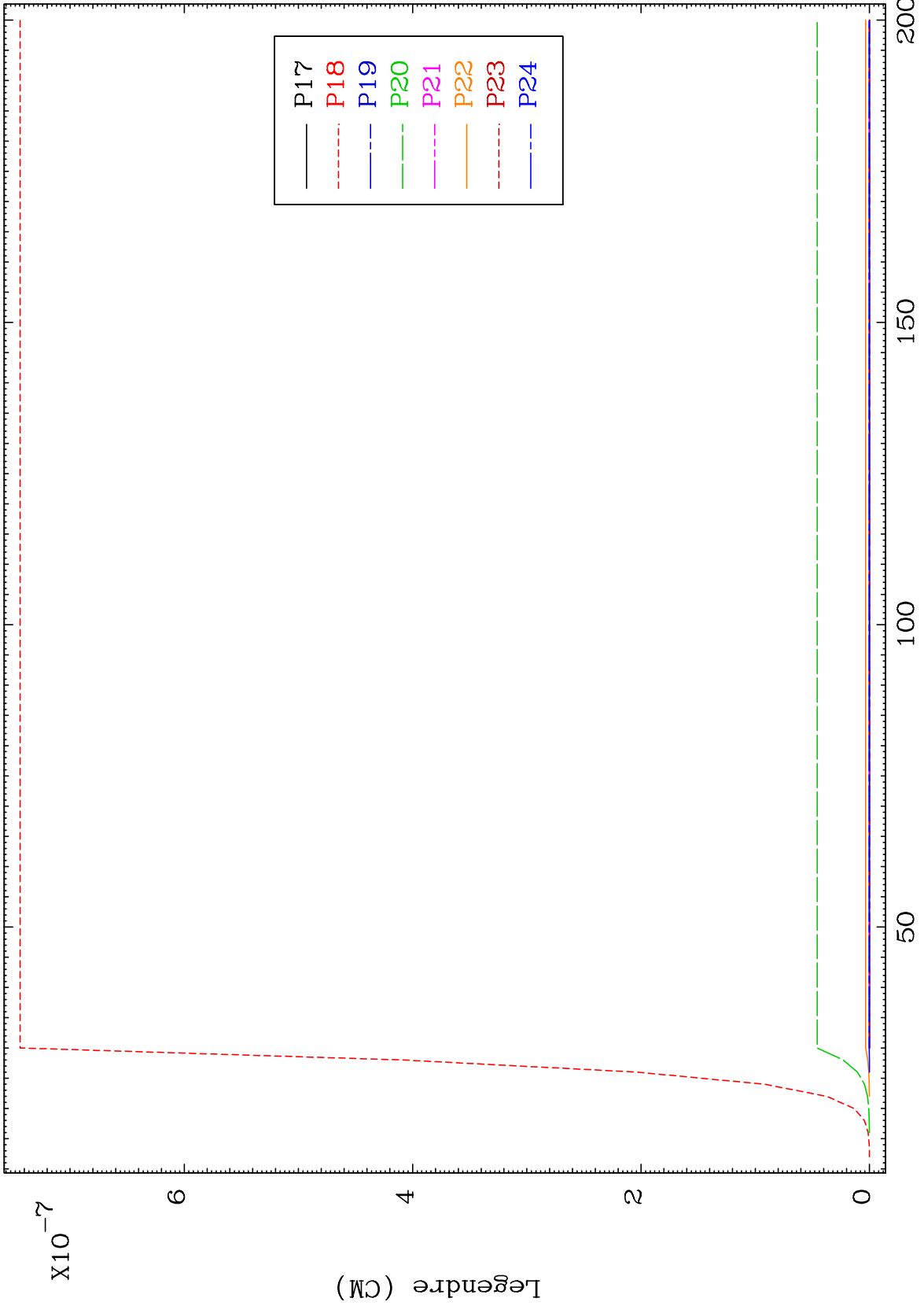


71

Incident Energy (MeV)

41-Nb-92

MAT 4122 MT= 66 (n,n') Level Legendre Coefficients 41-Nb-92

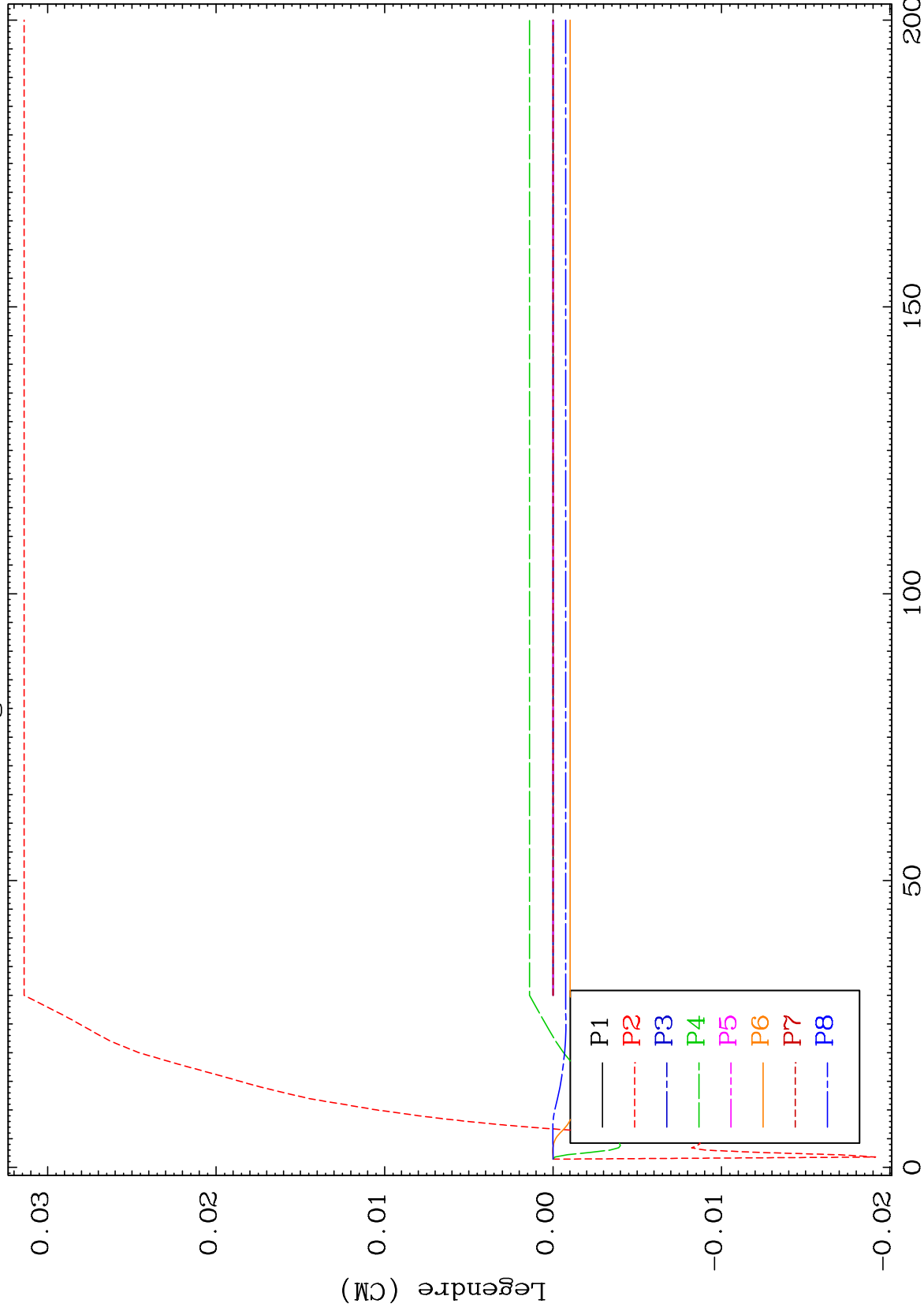


72 41-Nb-92

MAT 4122

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

41-Nb-92



73

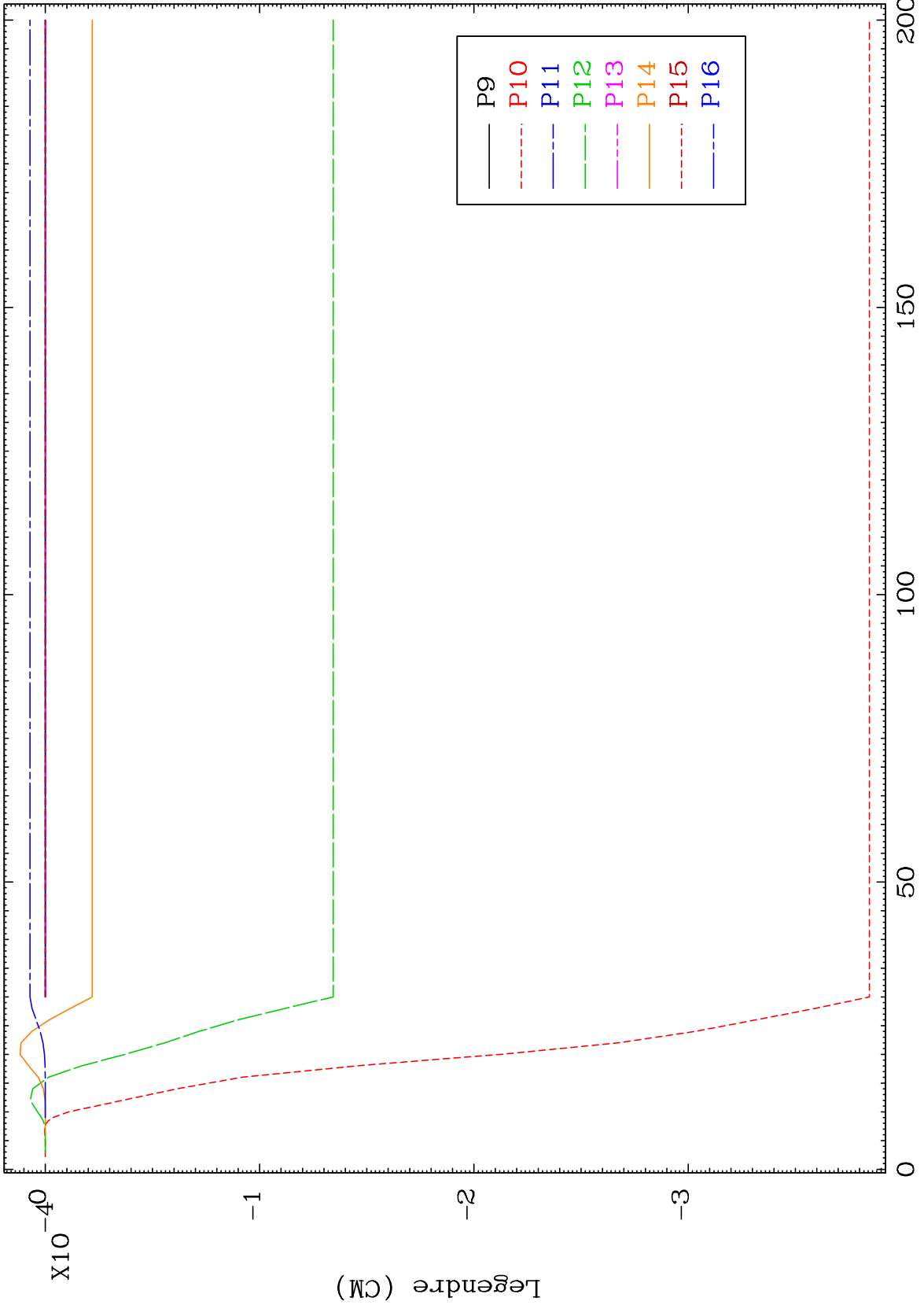
Incident Energy (MeV)

41-Nb-92

MAT 4122

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

41-Nb-92

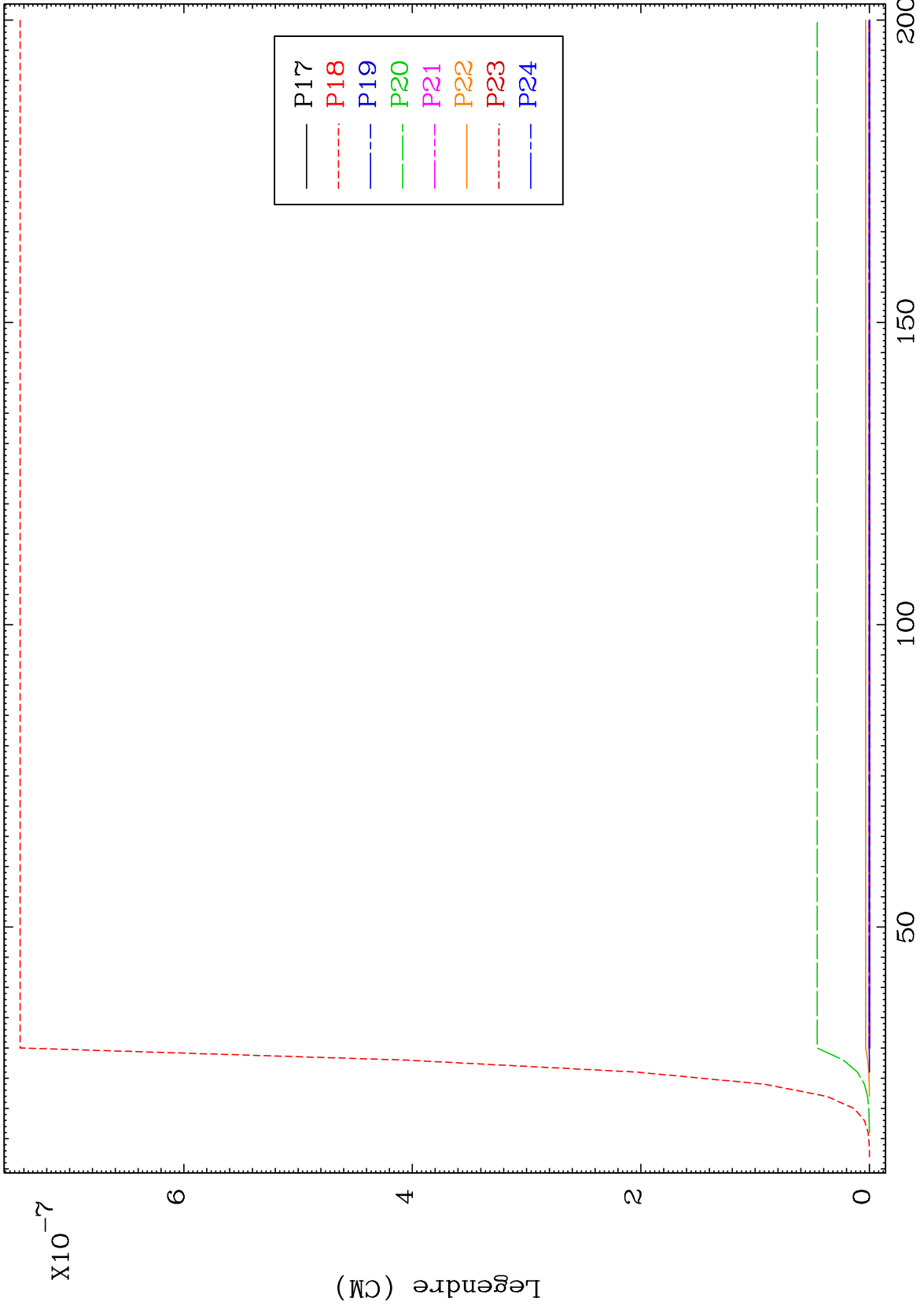


74

Incident Energy (MeV)

41-Nb-92

MAT 4122 MT= 67 (n,n') Level Legendre Coefficients 41-Nb-92

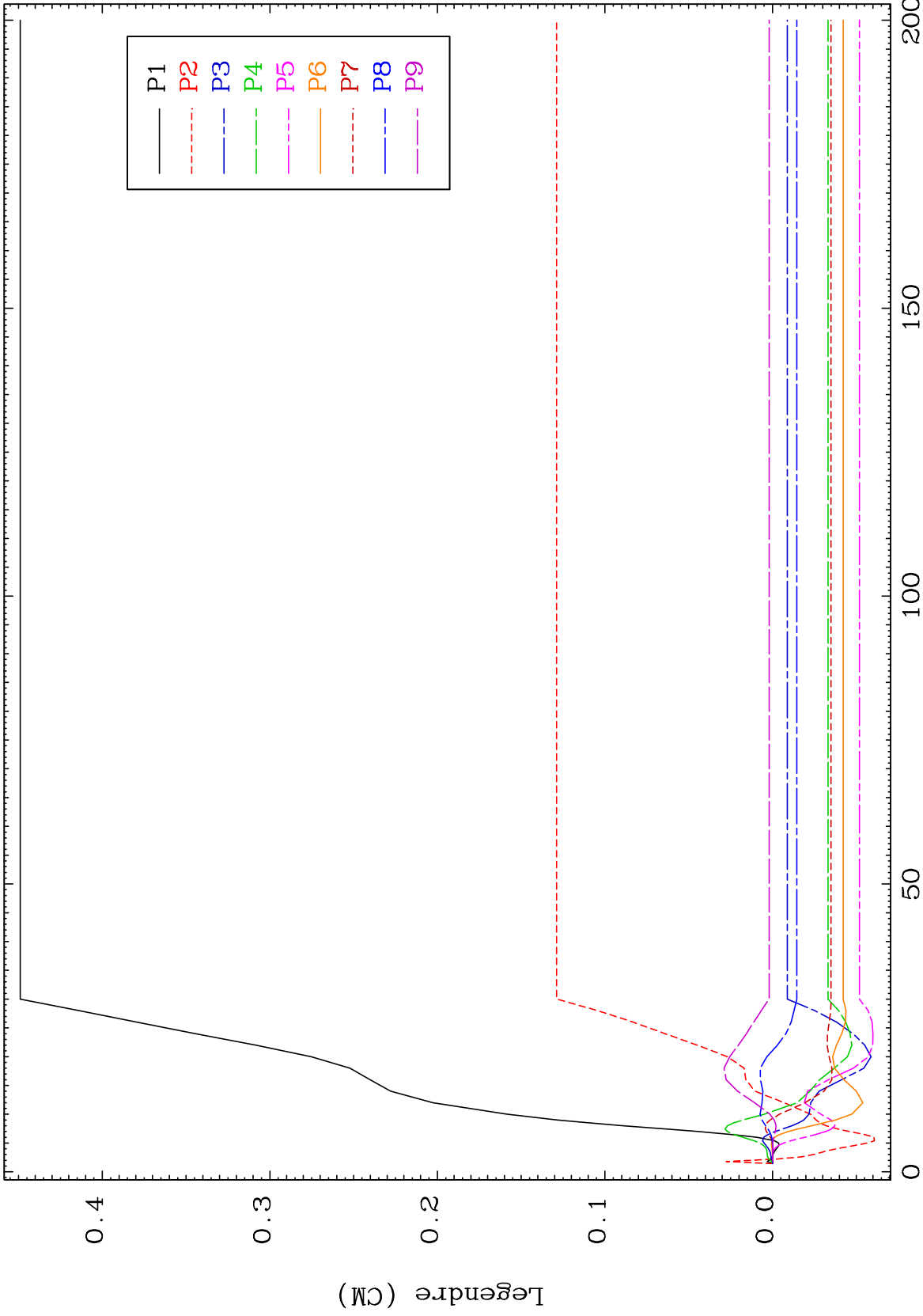


75 50 100 150 200 Incident Energy (MeV) 41-Nb-92

MAT 4122

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

41-Nb-92



76

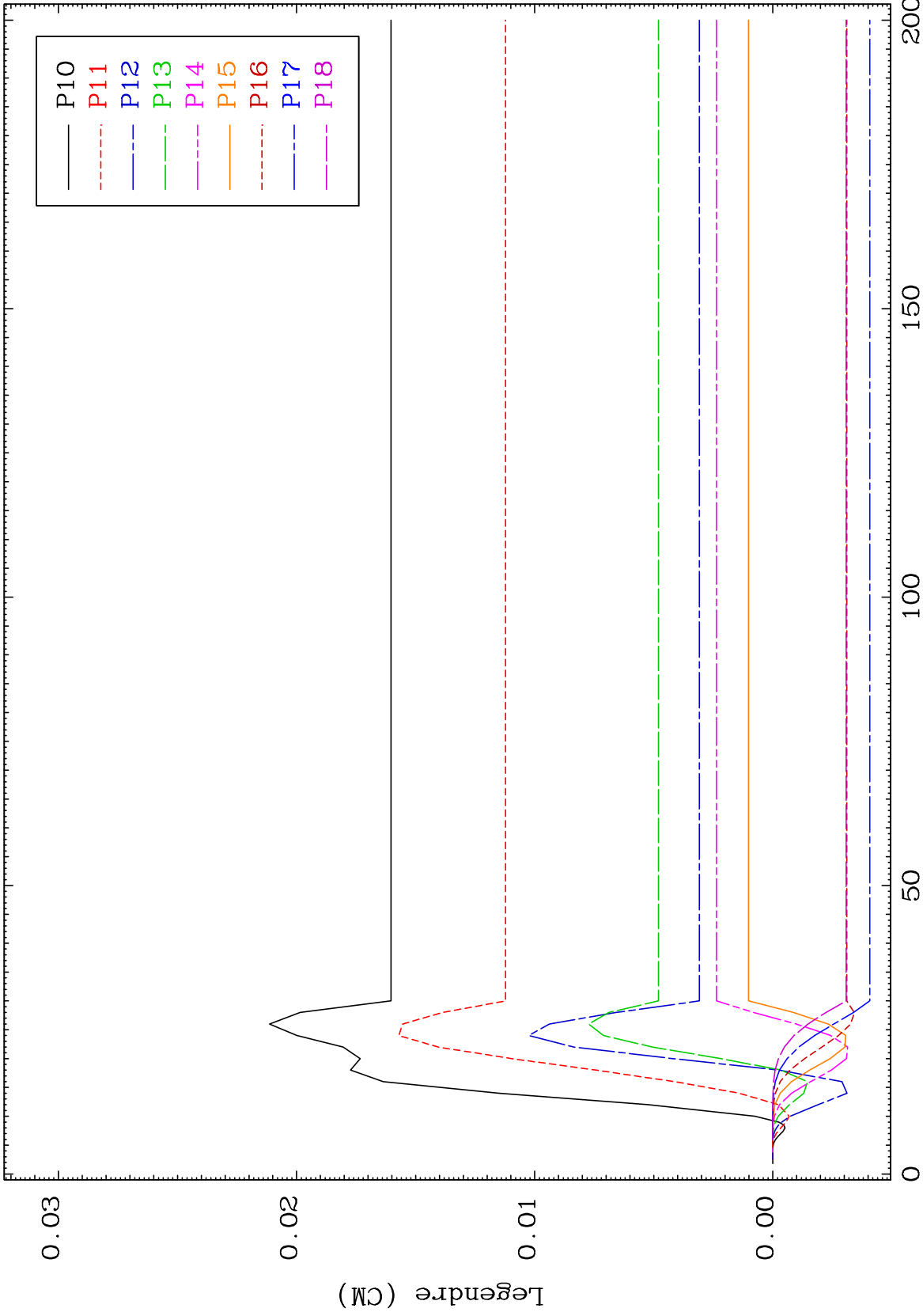
Incident Energy (MeV)

41-Nb-92

MAT 4122

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

41-Nb-92



77

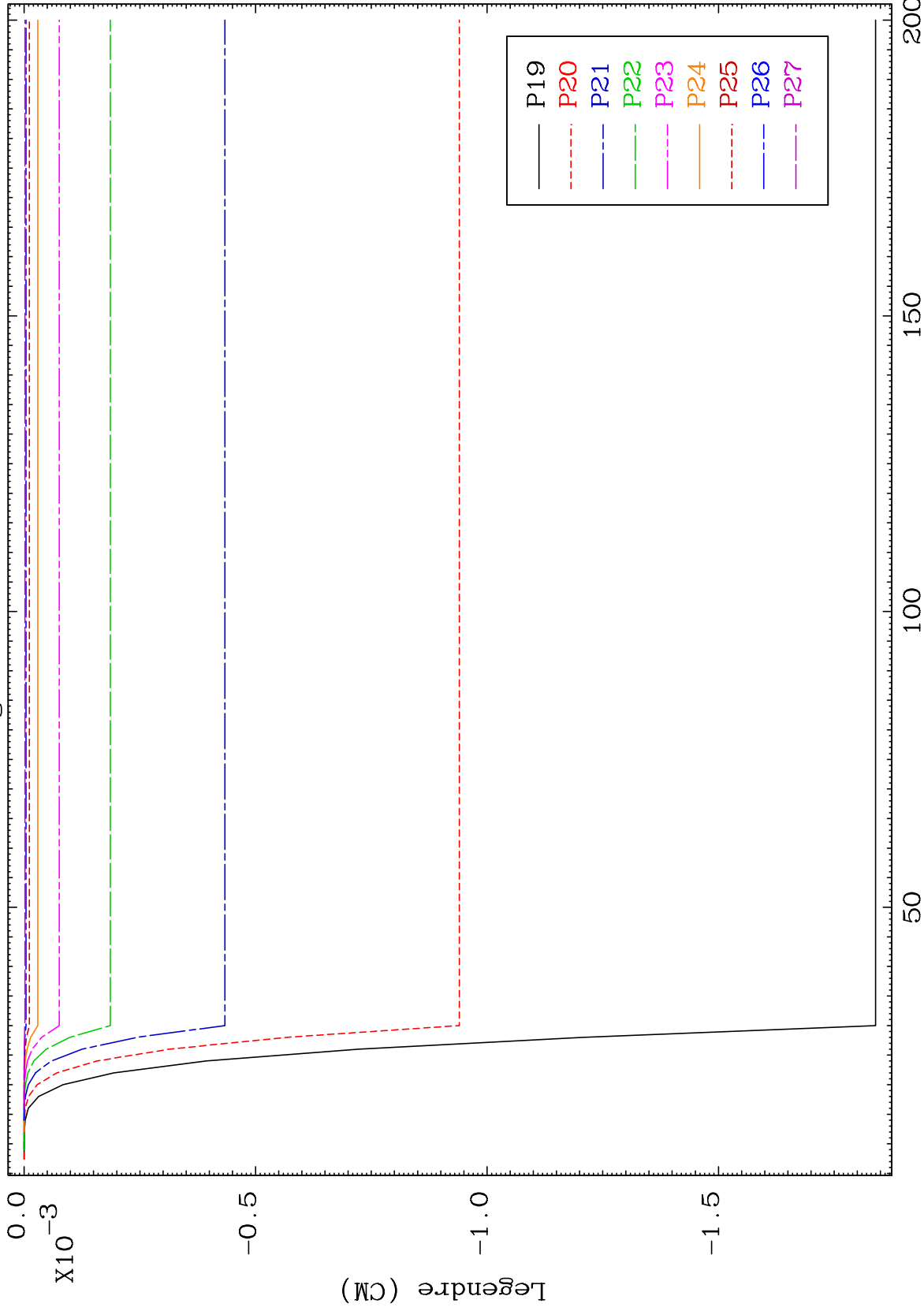
Incident Energy (MeV)

41-Nb-92

MAT 4122

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

41-Nb-92



78

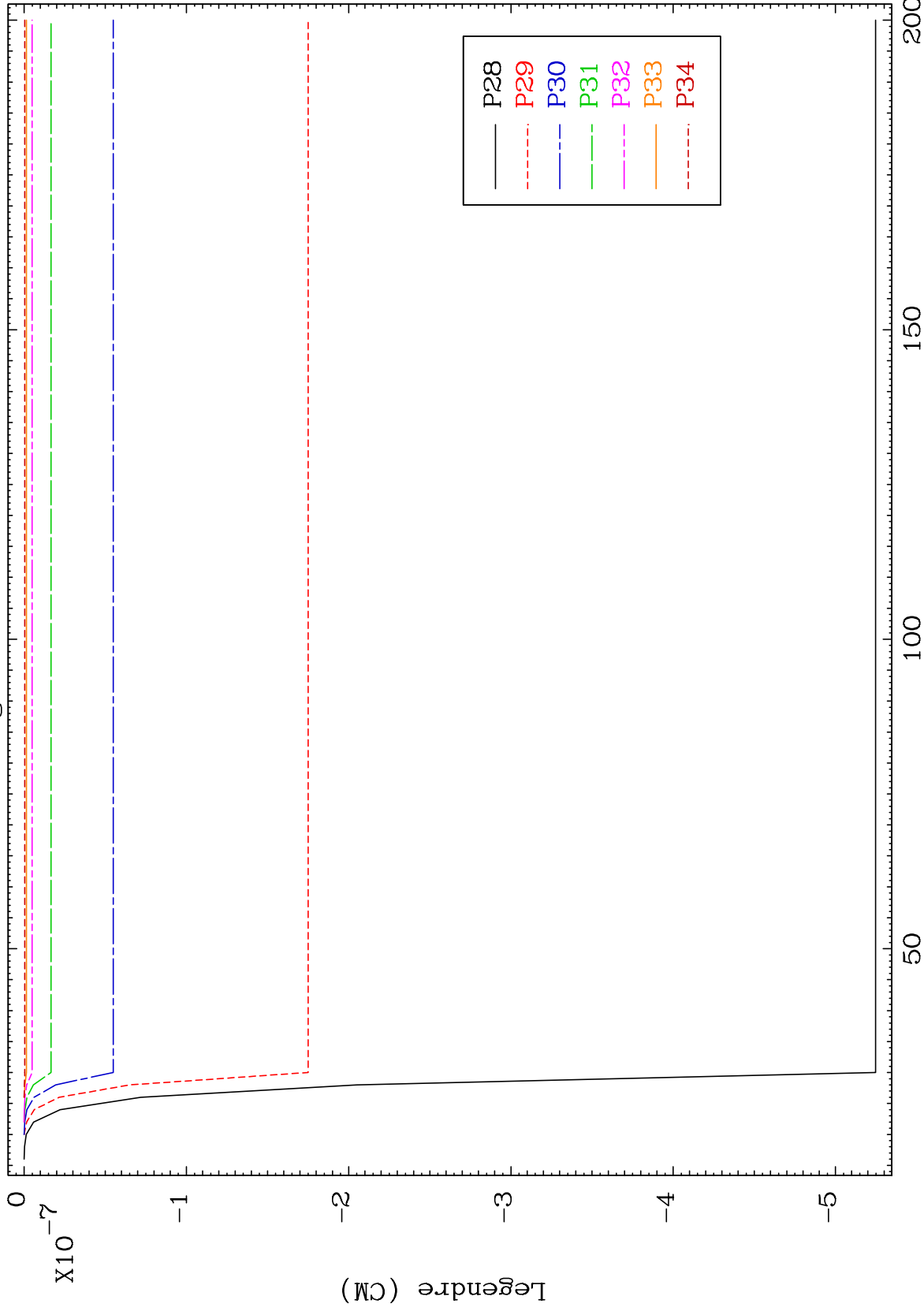
Incident Energy (MeV)

41-Nb-92

MAT 4122

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

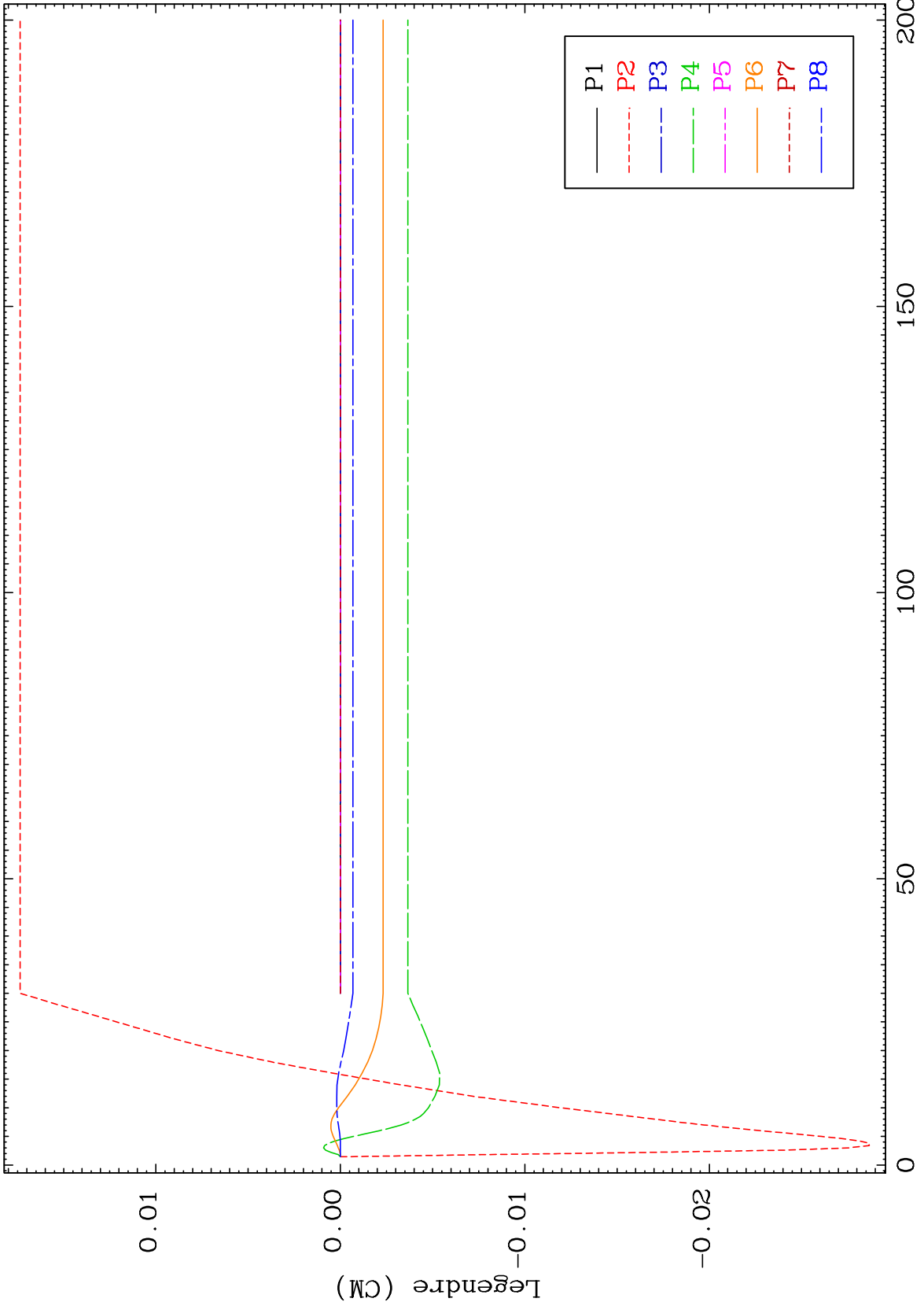
41-Nb-92



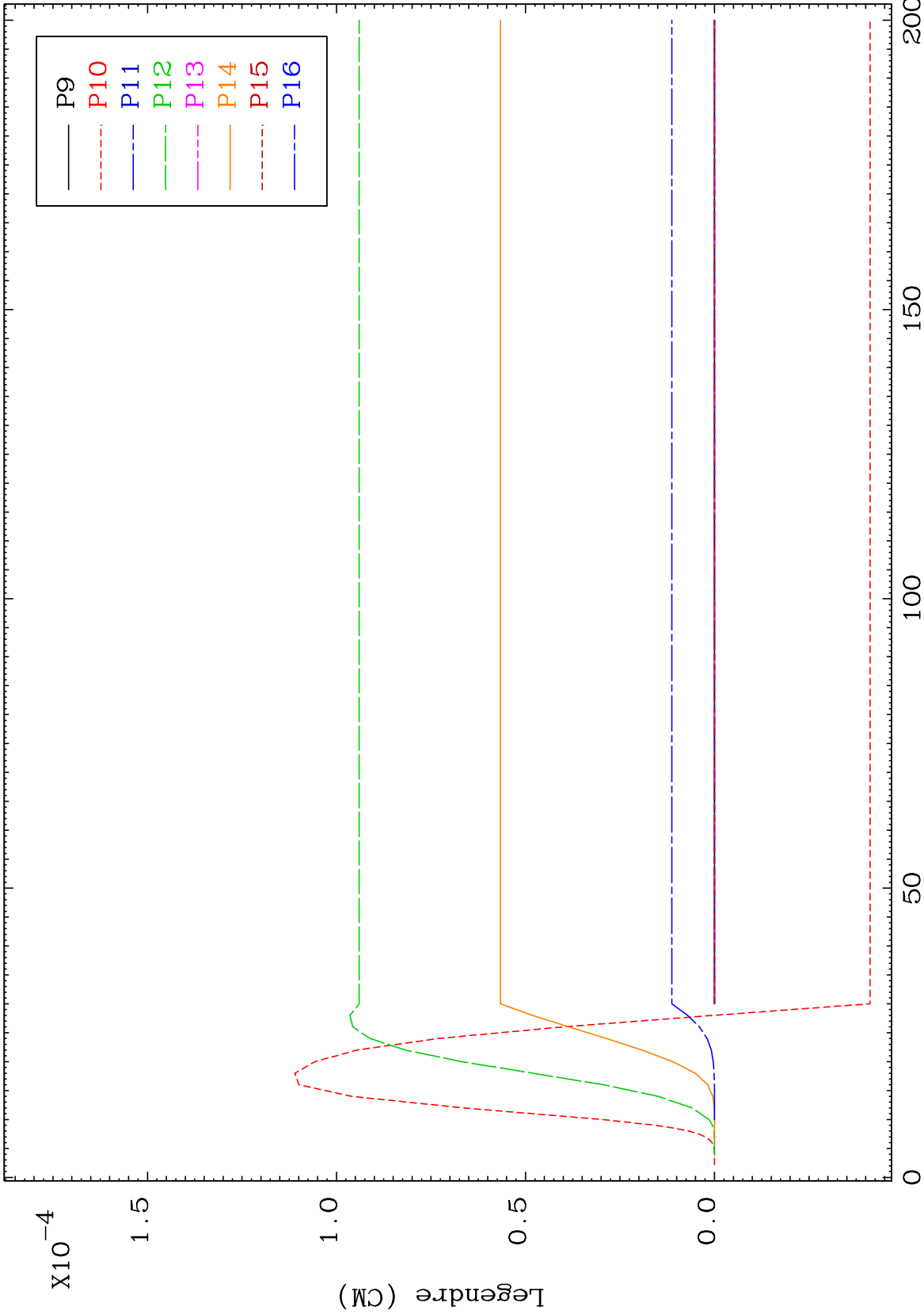
79

41-Nb-92

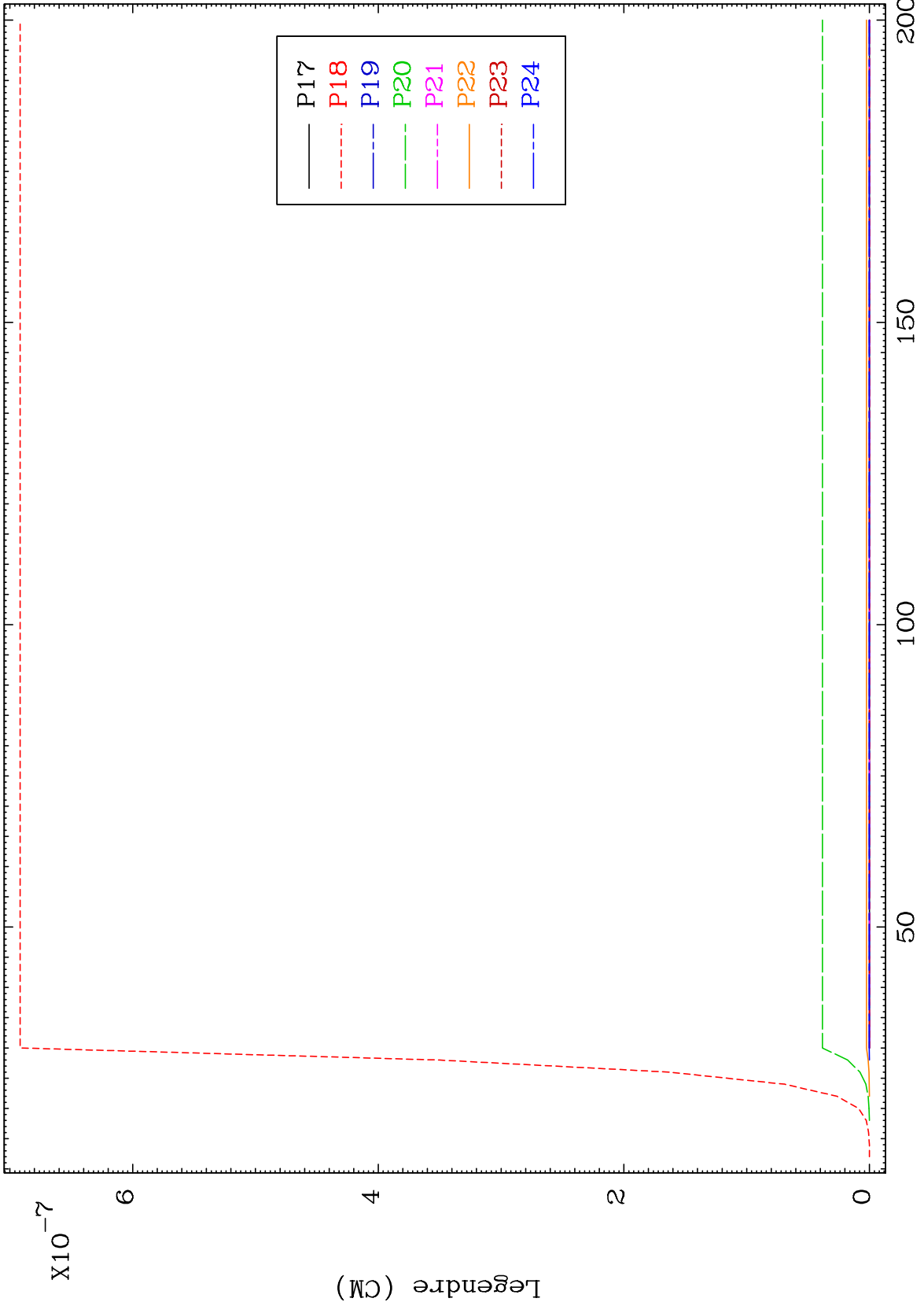
MAT 4122 MT= 69 (n,n') Level Legendre Coefficients 41-Nb-92



80 Incident Energy (MeV) 41-Nb-92



MAT 4122 MT= 69 (n,n') Level Legendre Coefficients 41-Nb-92

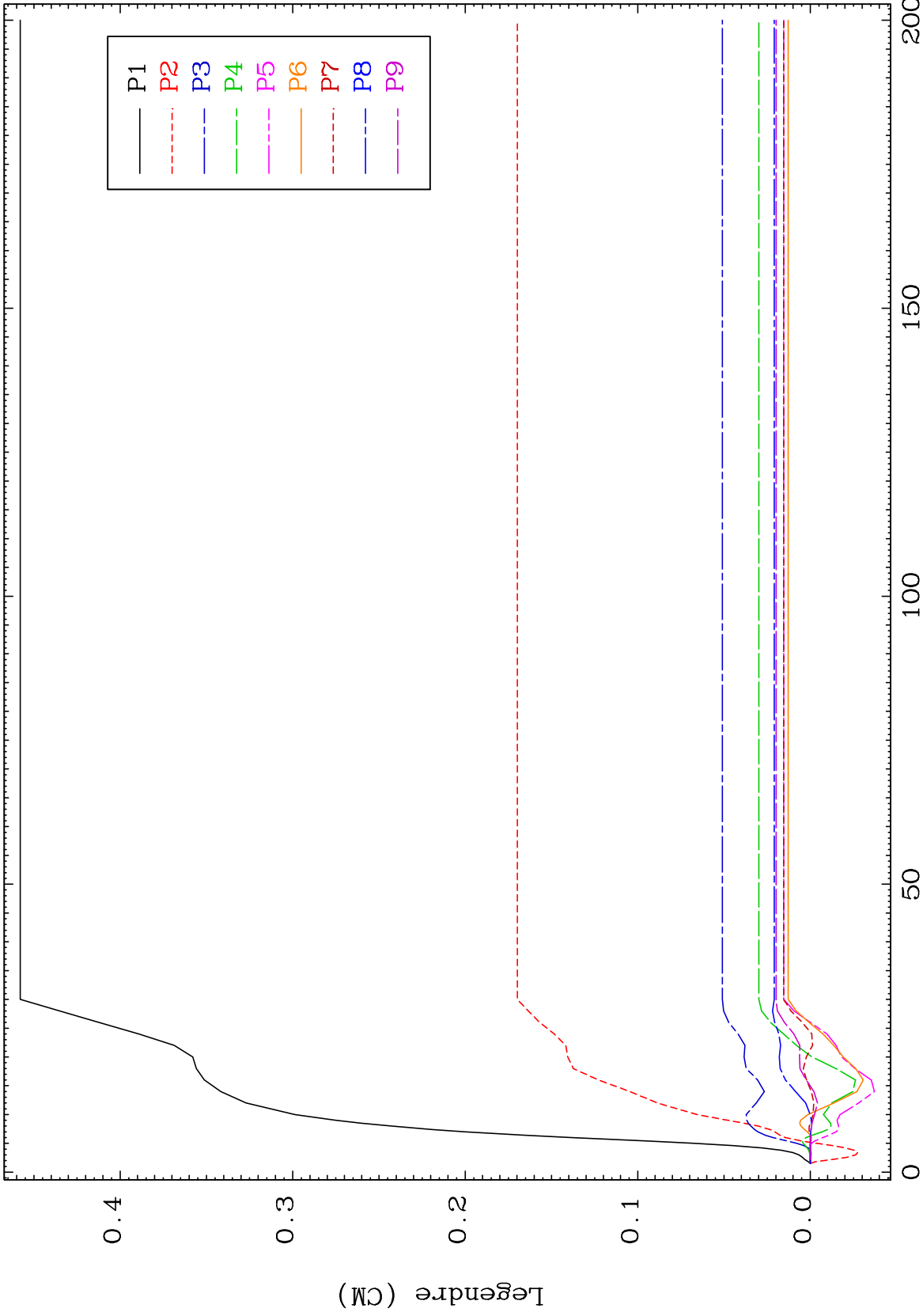


82 Incident Energy (MeV) 41-Nb-92

MAT 4122

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

41-Nb-92



83

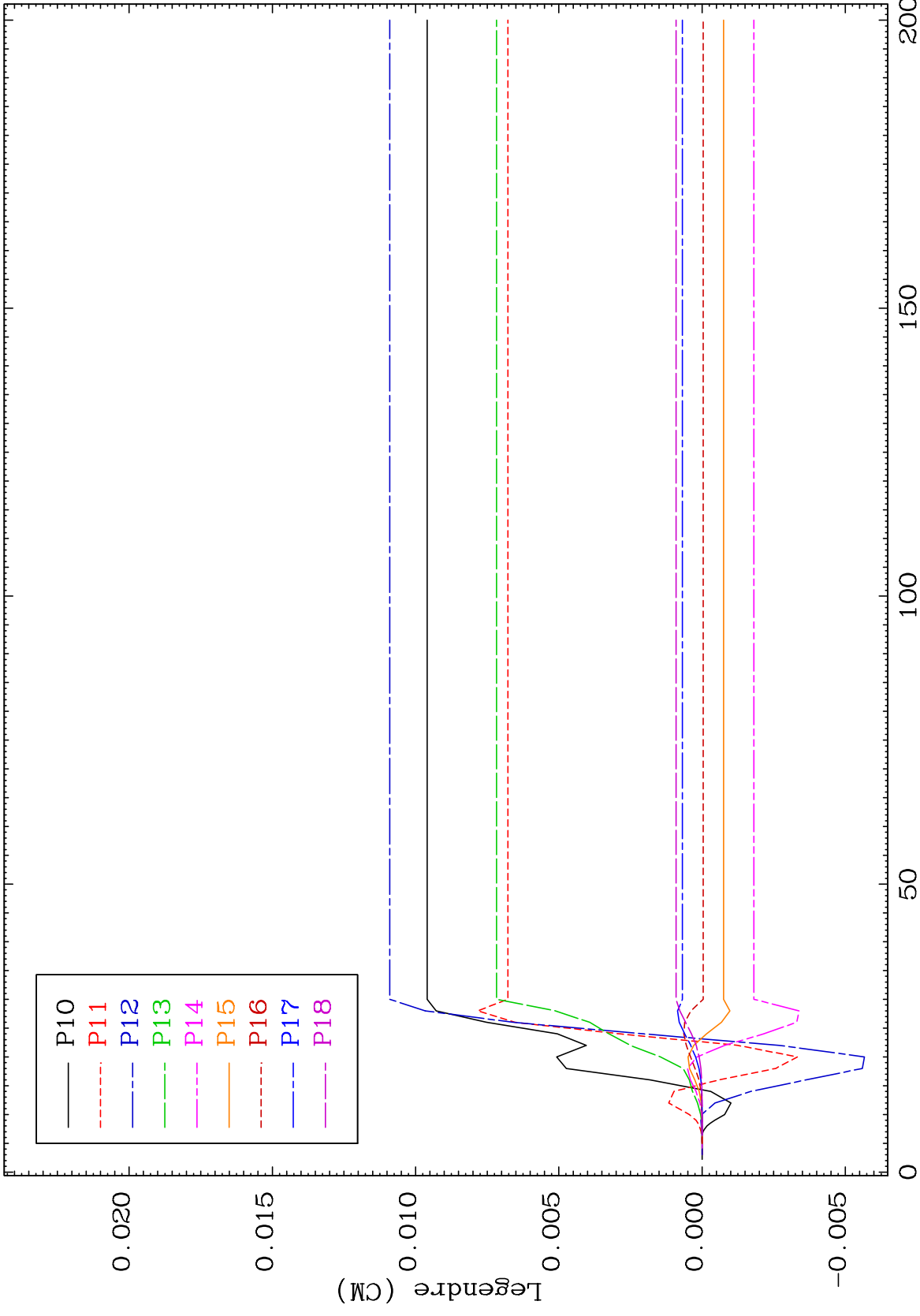
Incident Energy (MeV)

41-Nb-92

MAT 4122

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

41-Nb-92



84

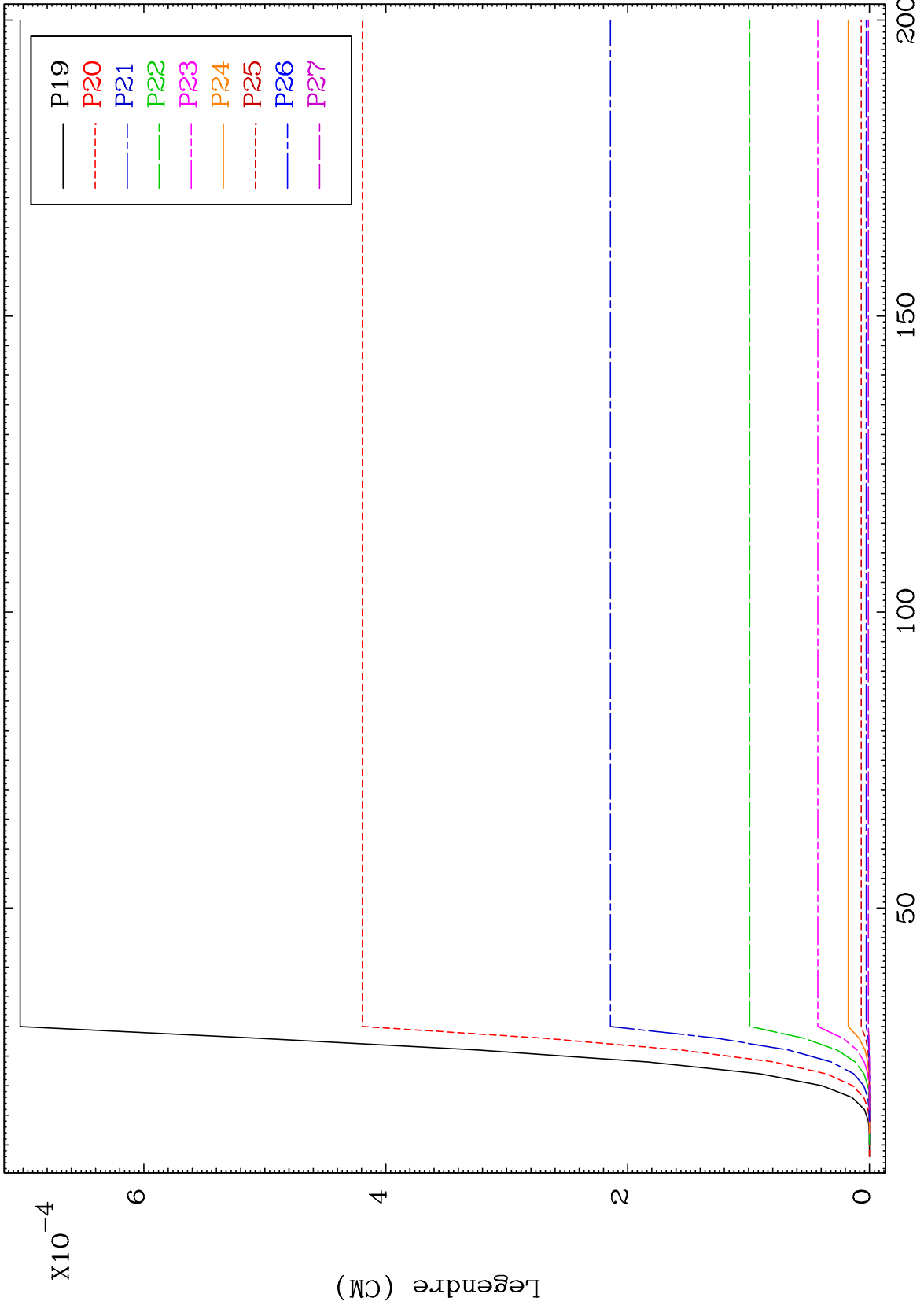
Incident Energy (MeV)

41-Nb-92

MAT 4122

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

41-Nb-92



85

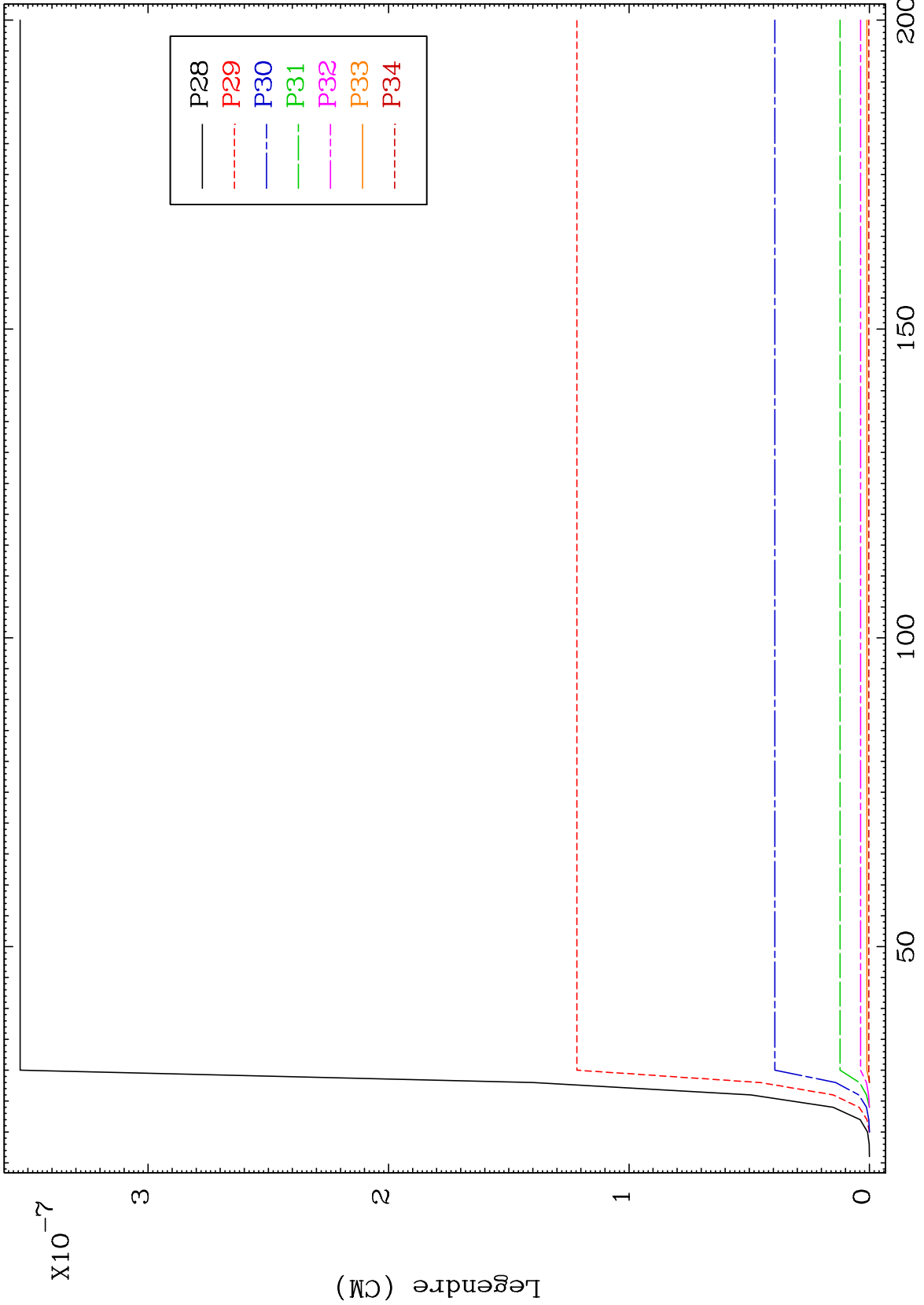
Incident Energy (MeV)

41-Nb-92

MAT 4122

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

41-Nb-92



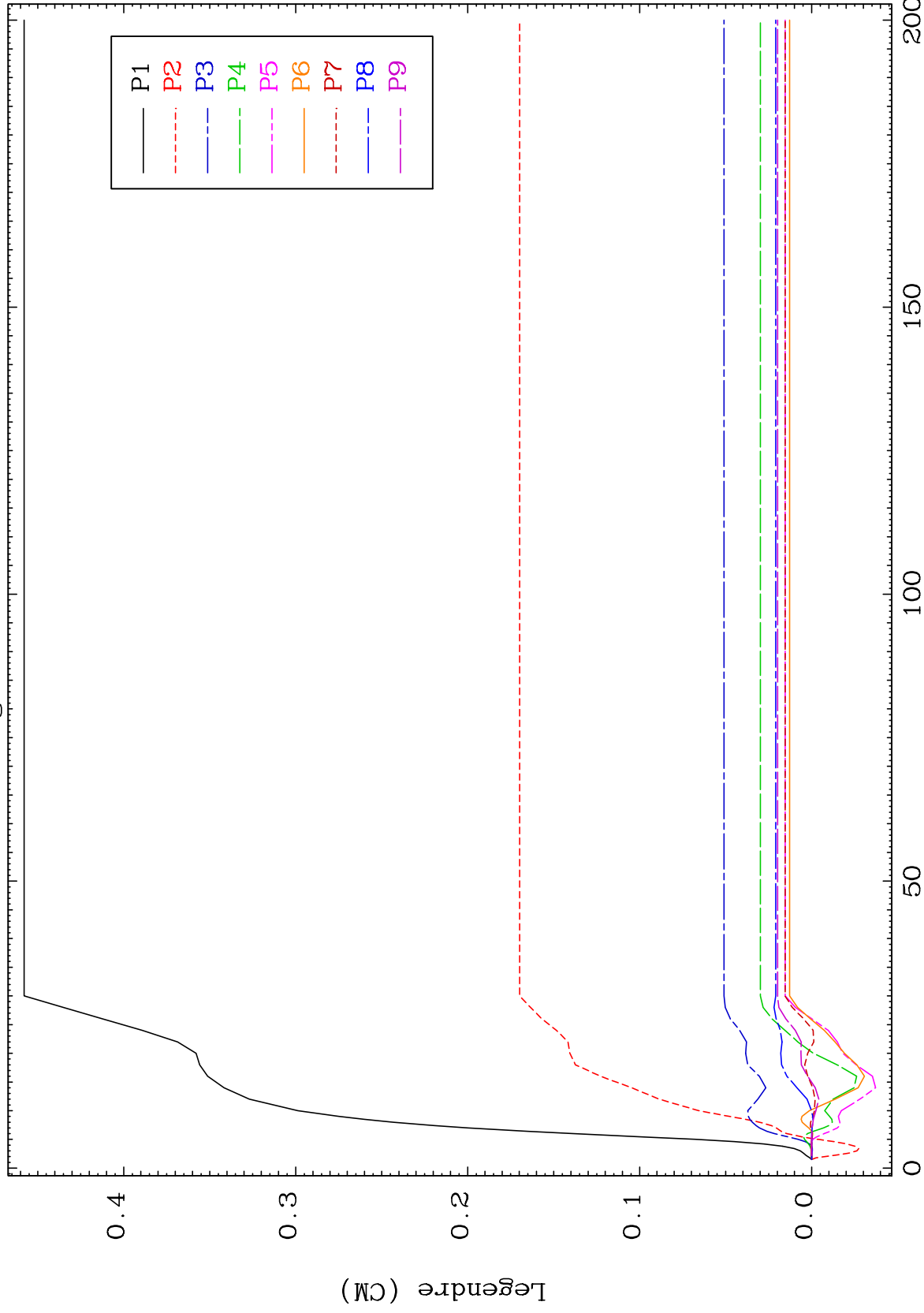
86

41-Nb-92

MAT 4122

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

41-Nb-92



87

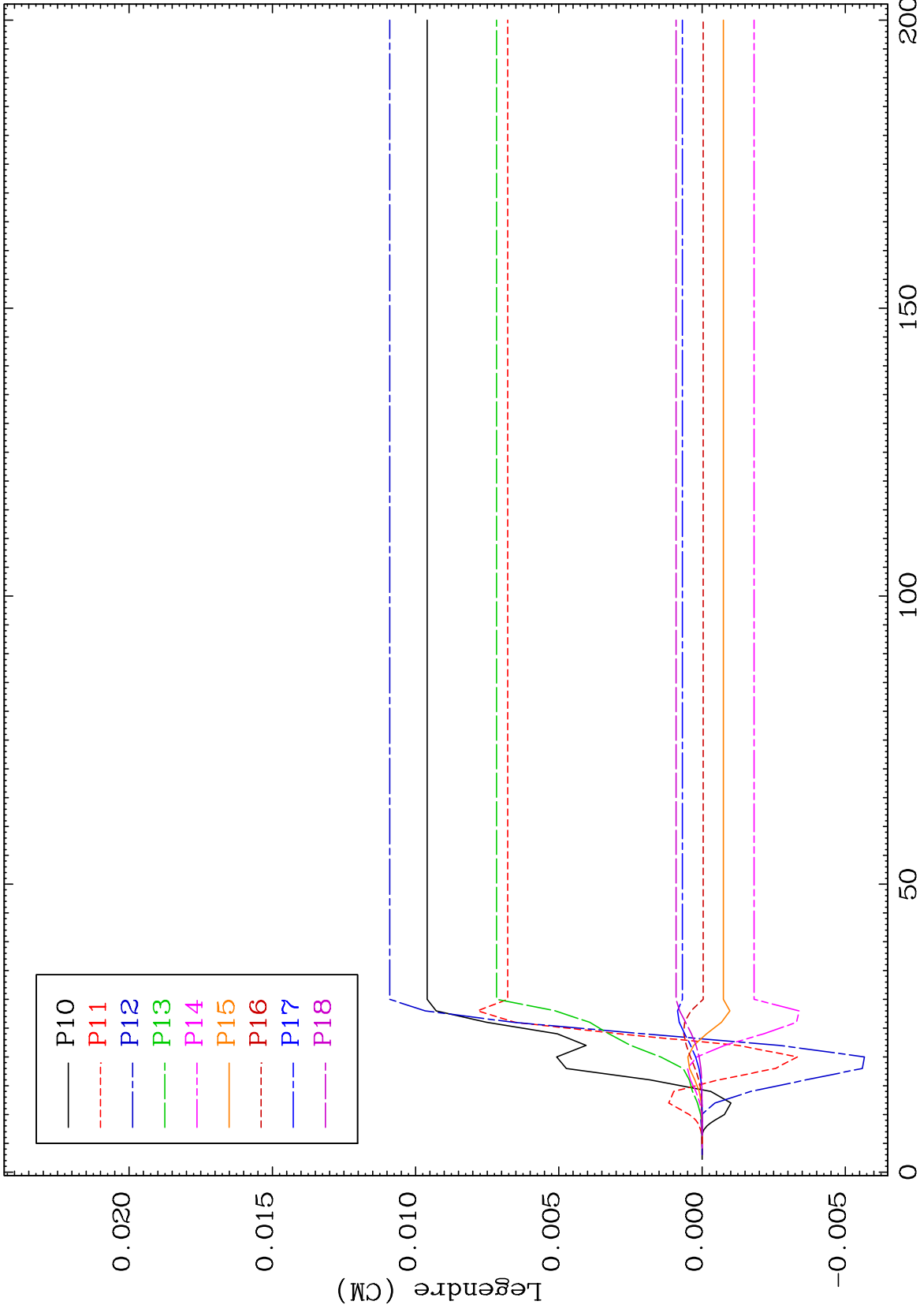
Incident Energy (MeV)

41-Nb-92

MAT 4122

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

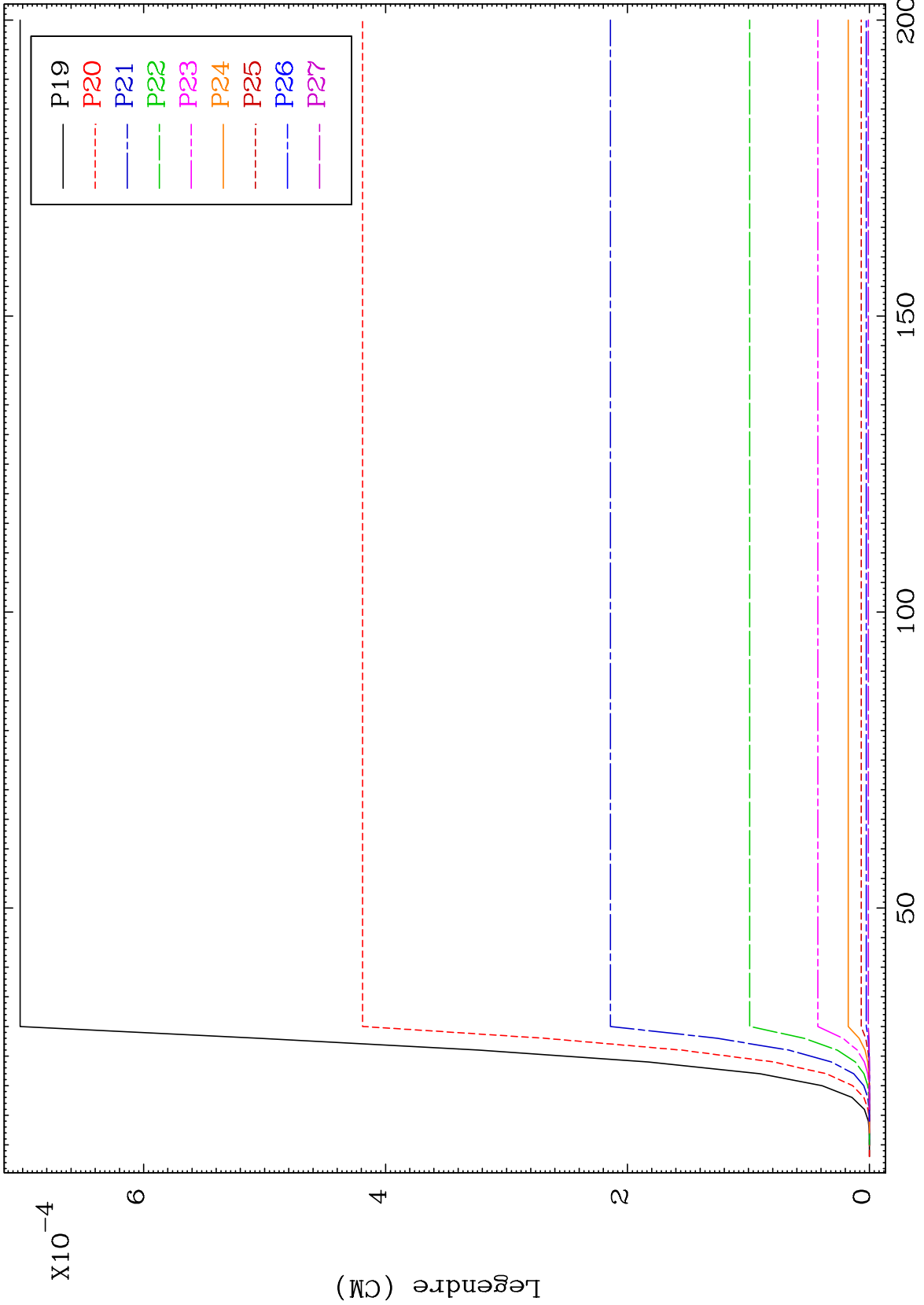
41-Nb-92



MAT 4122

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

41-Nb-92



89

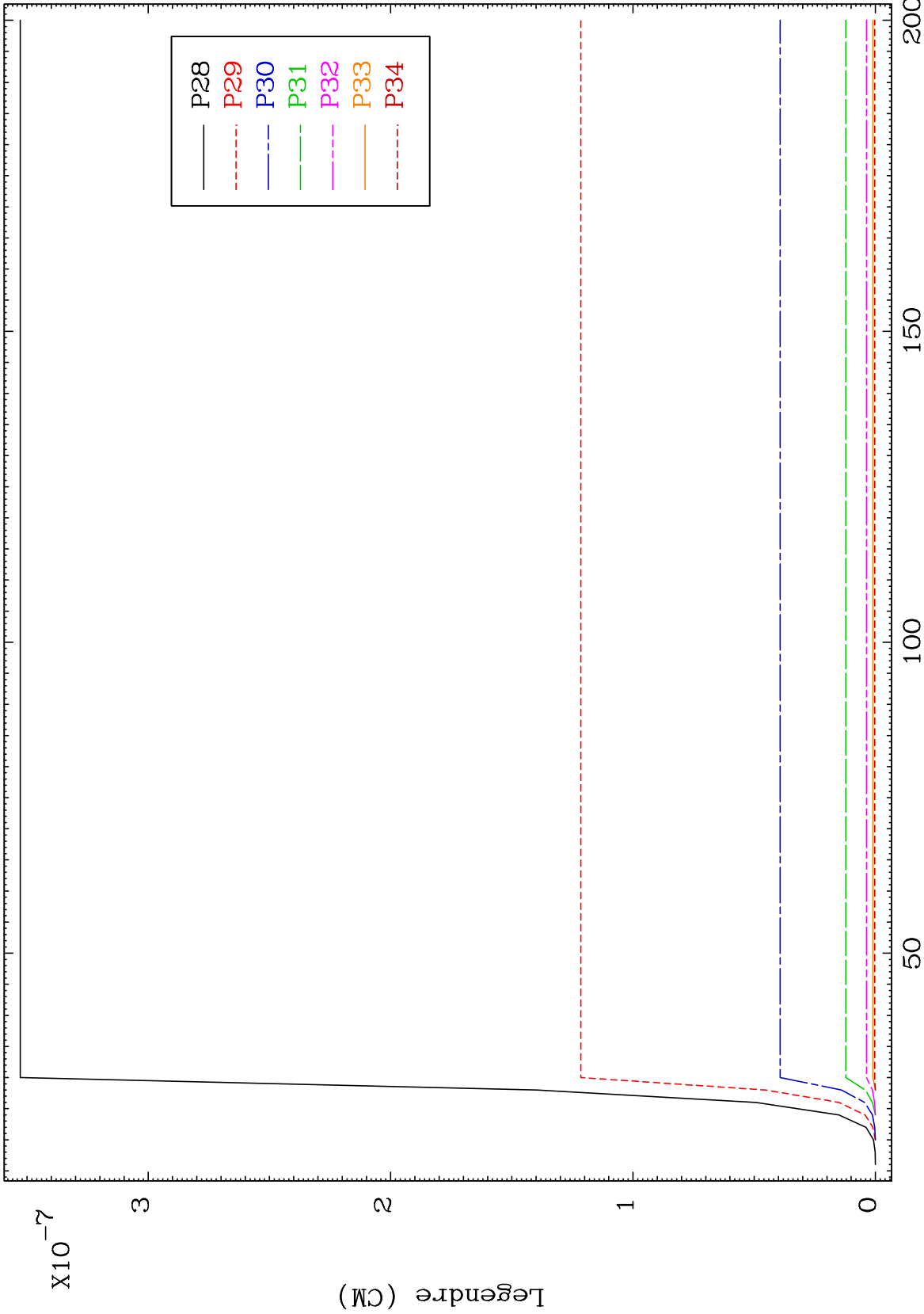
Incident Energy (MeV)

41-Nb-92

MAT 4122

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

41-Nb-92



90

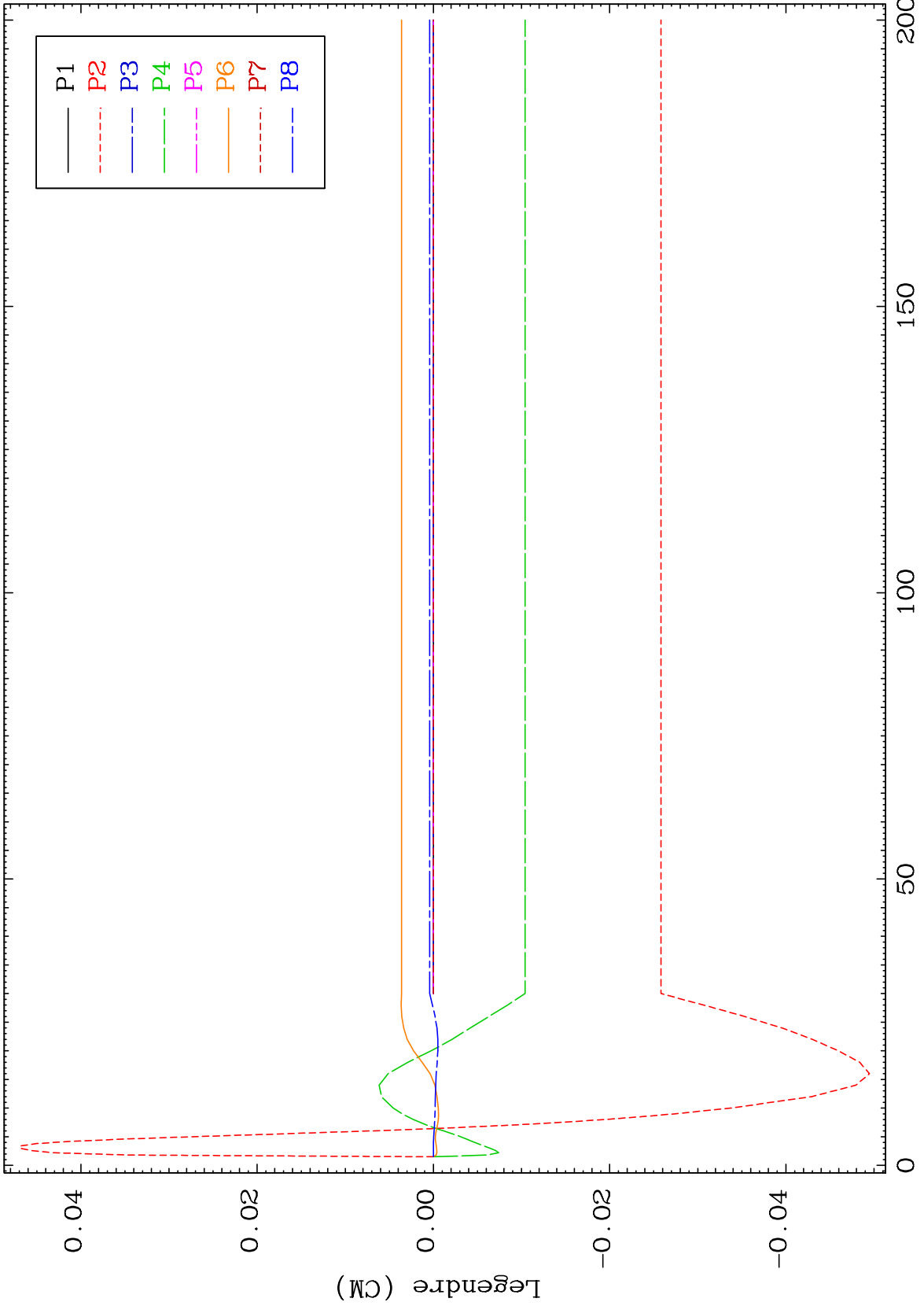
Incident Energy (MeV)

41-Nb-92

MAT 4122

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

41-Nb-92



91

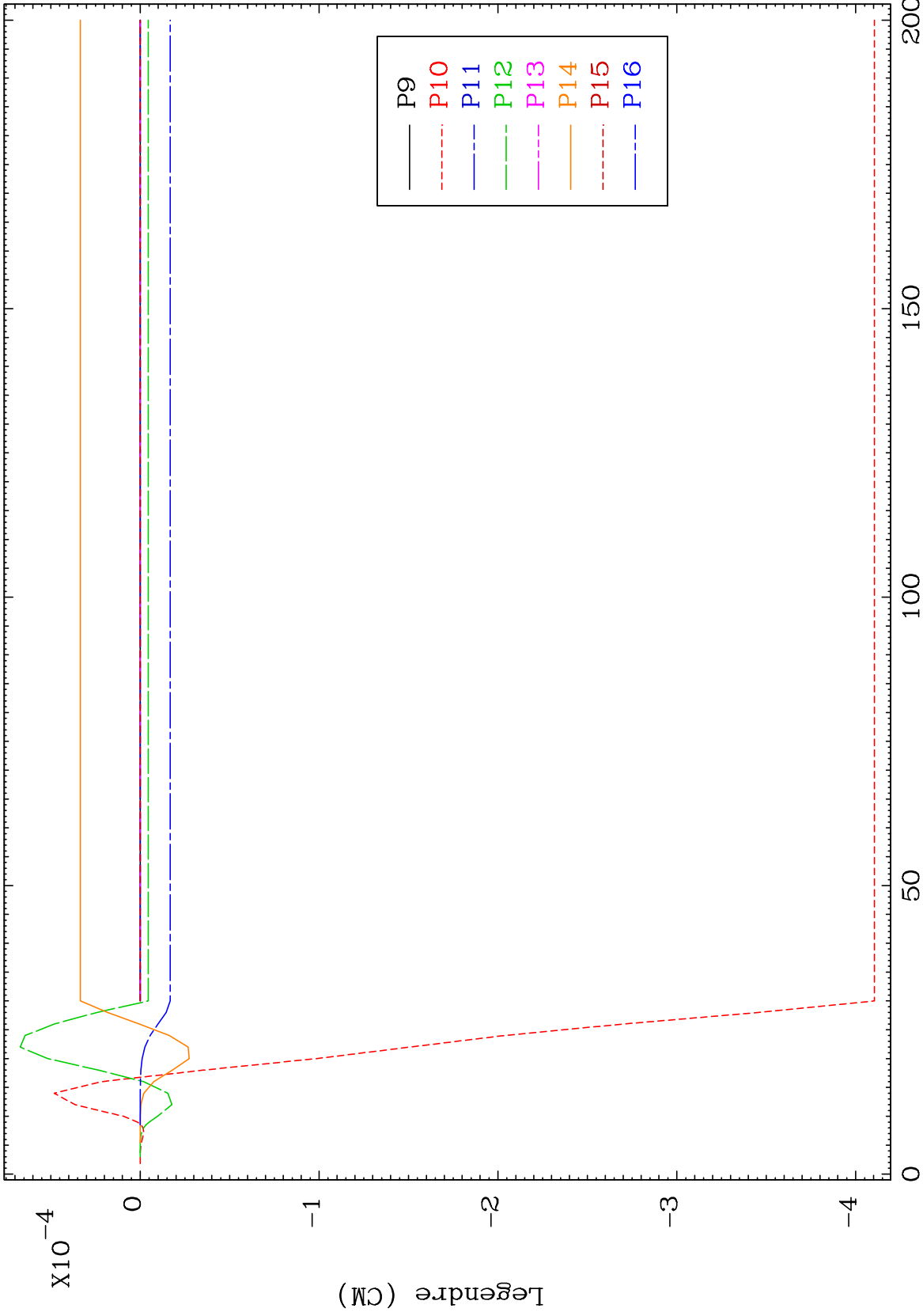
Incident Energy (MeV)

41-Nb-92

MAT 4122

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

41-Nb-92



92

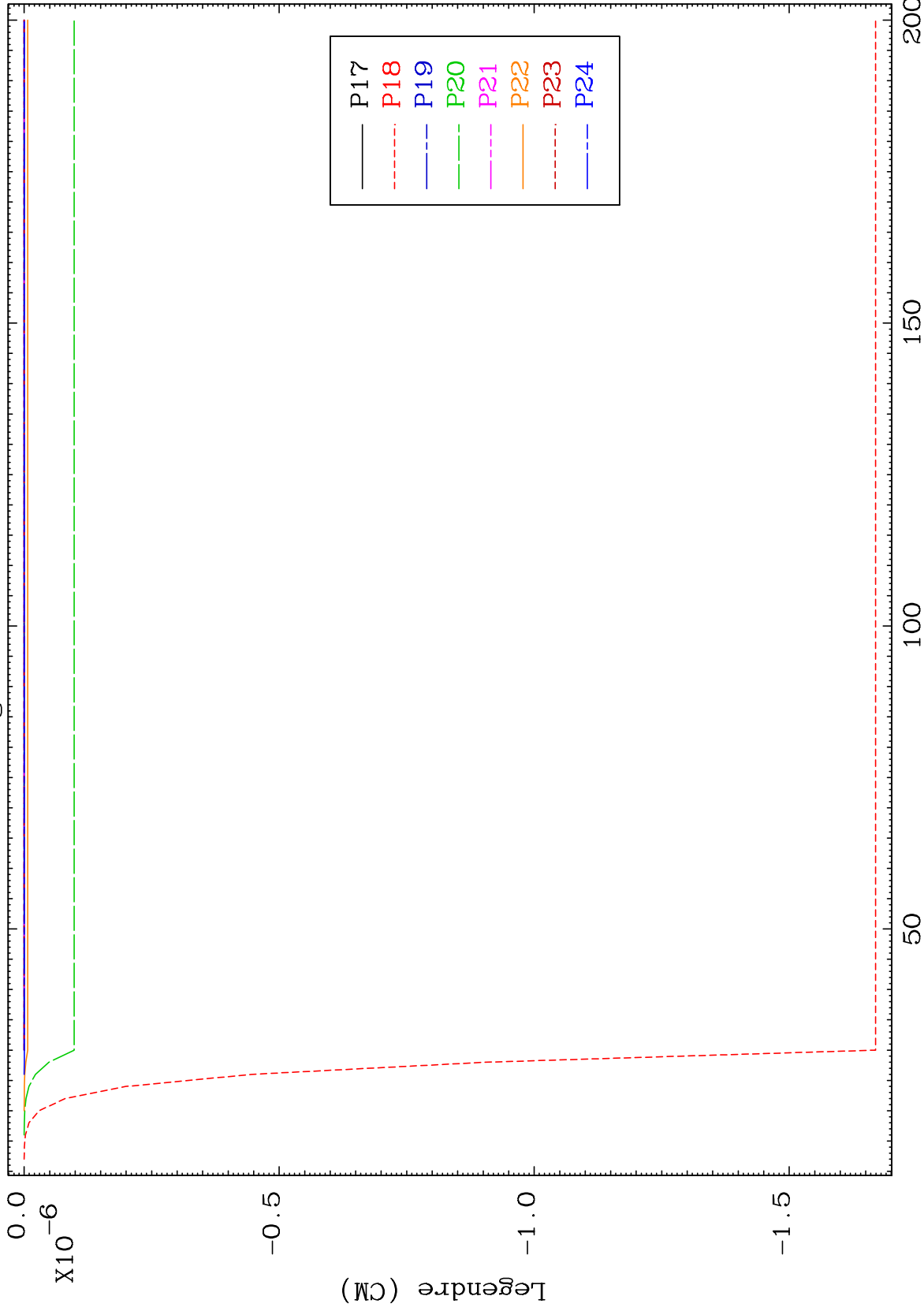
Incident Energy (MeV)

41-Nb-92

MAT 4122

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

41-Nb-92

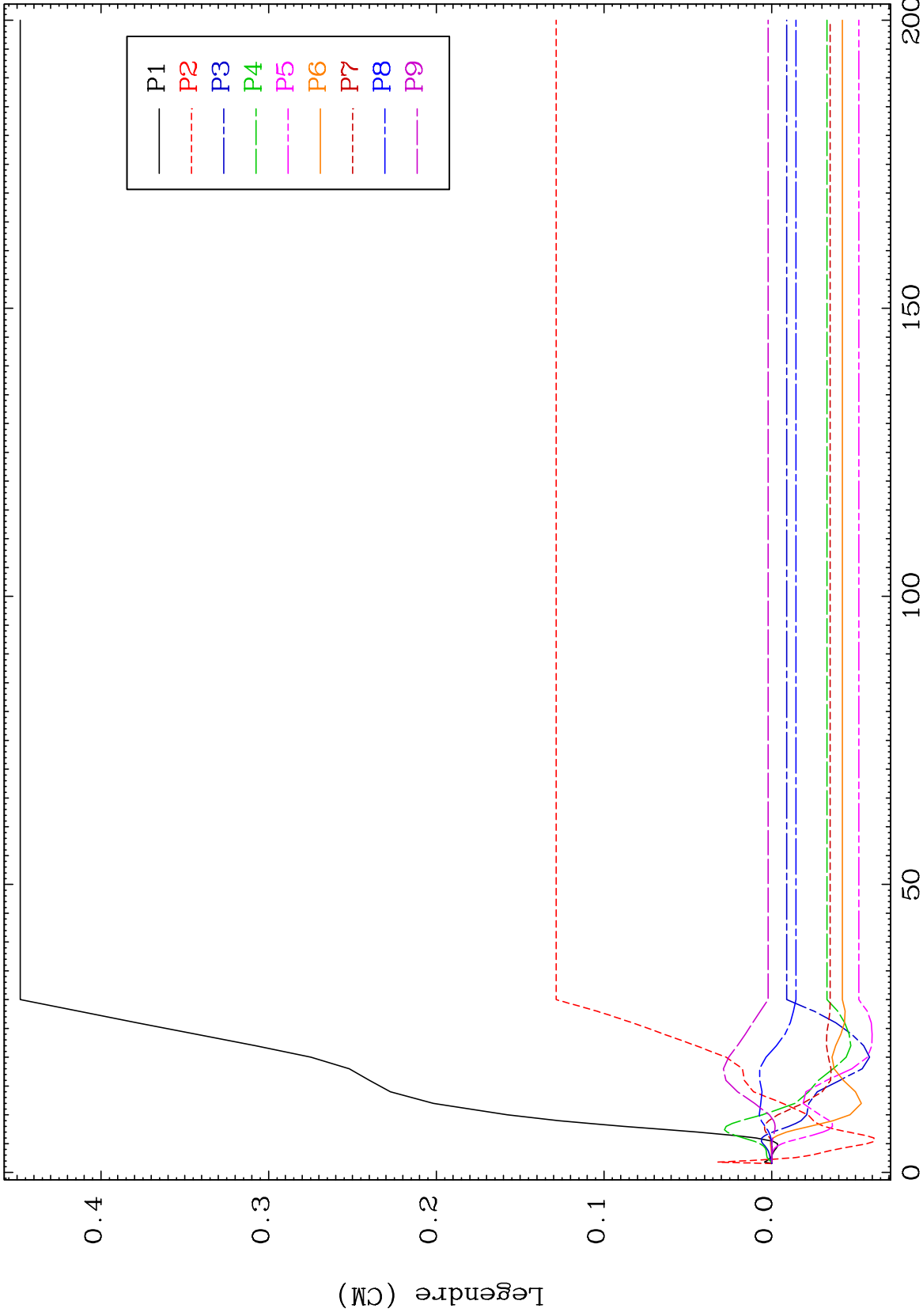


93

MAT 4122

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

41-Nb-92



94

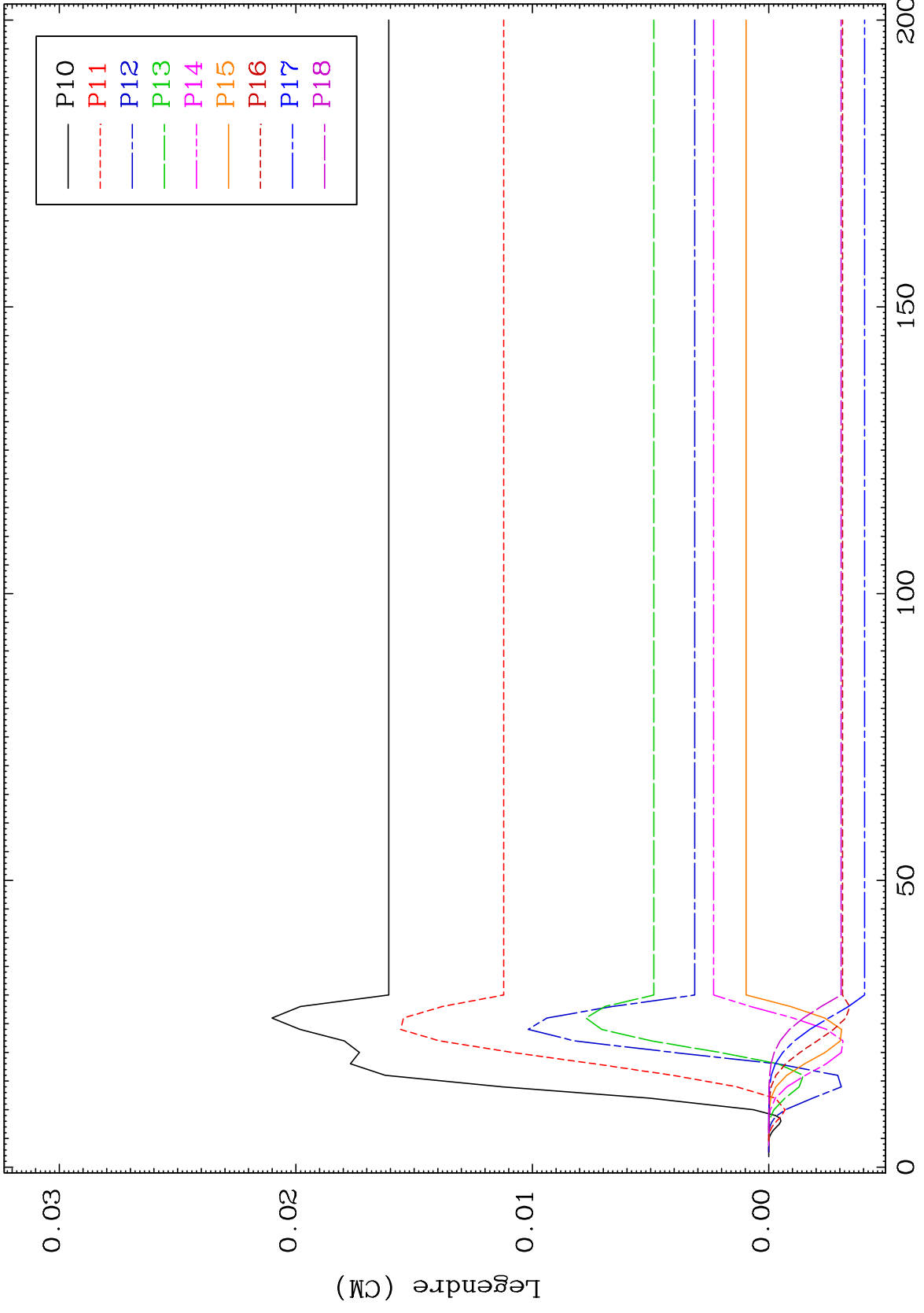
Incident Energy (MeV)

41-Nb-92

MAT 4122

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

41-Nb-92



95

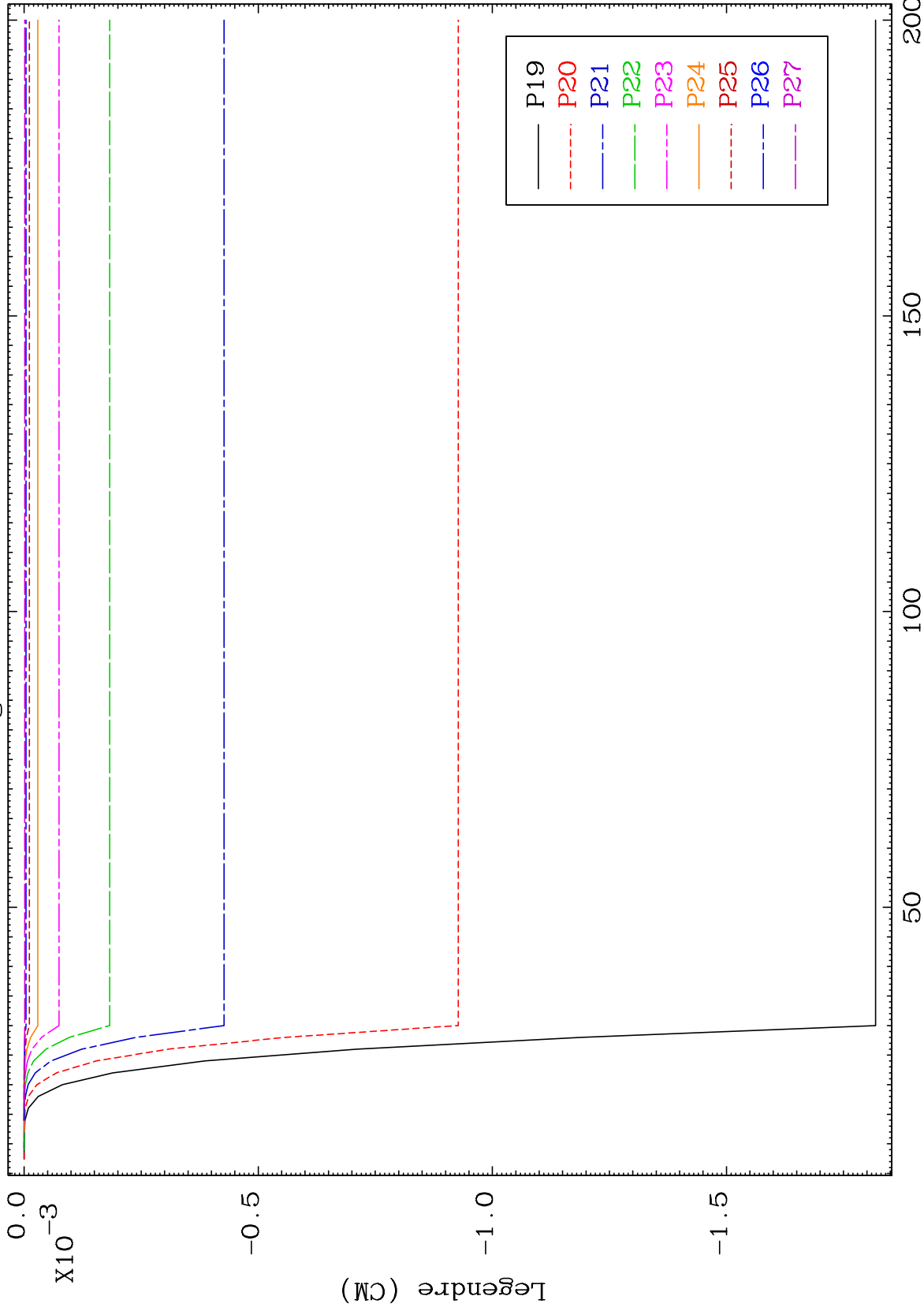
Incident Energy (MeV)

41-Nb-92

MAT 4122

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

41-Nb-92

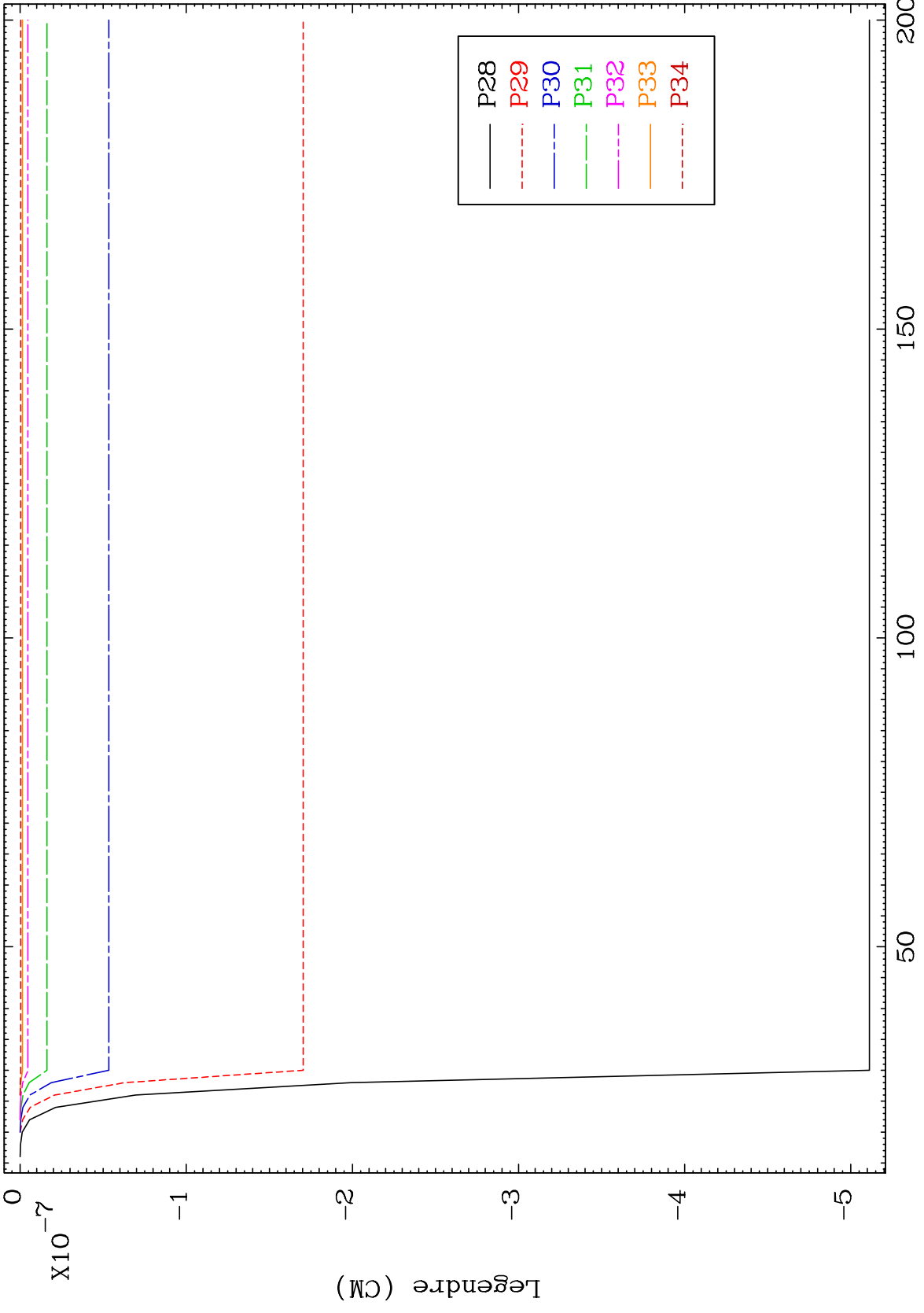


96

Incident Energy (MeV)

41-Nb-92

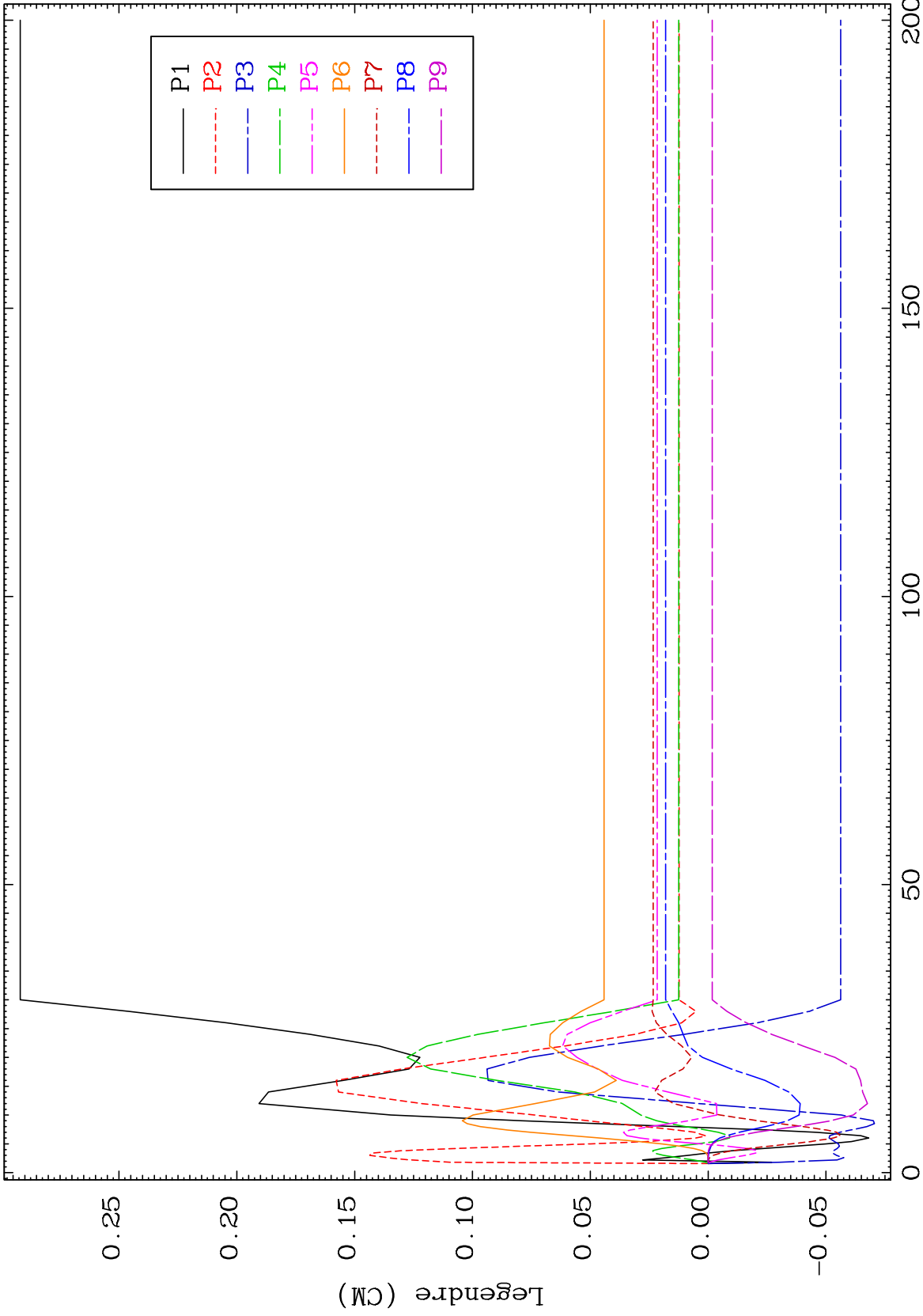
MAT 4122 MT= 73 (n,n') Level Legendre Coefficients 41-Nb-92



MAT 4122

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

41-Nb-92



98

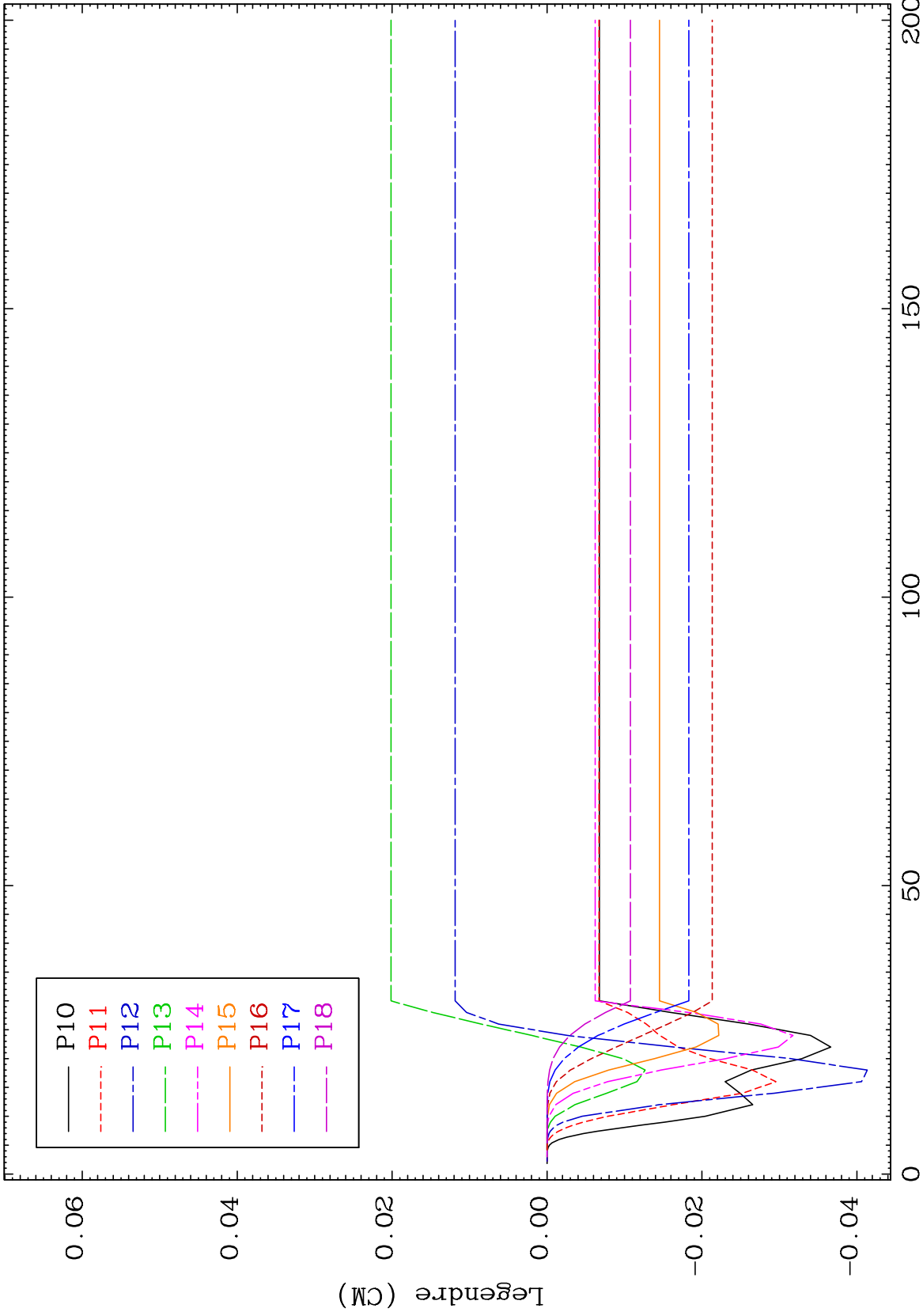
Incident Energy (MeV)

41-Nb-92

MAT 4122

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

41-Nb-92

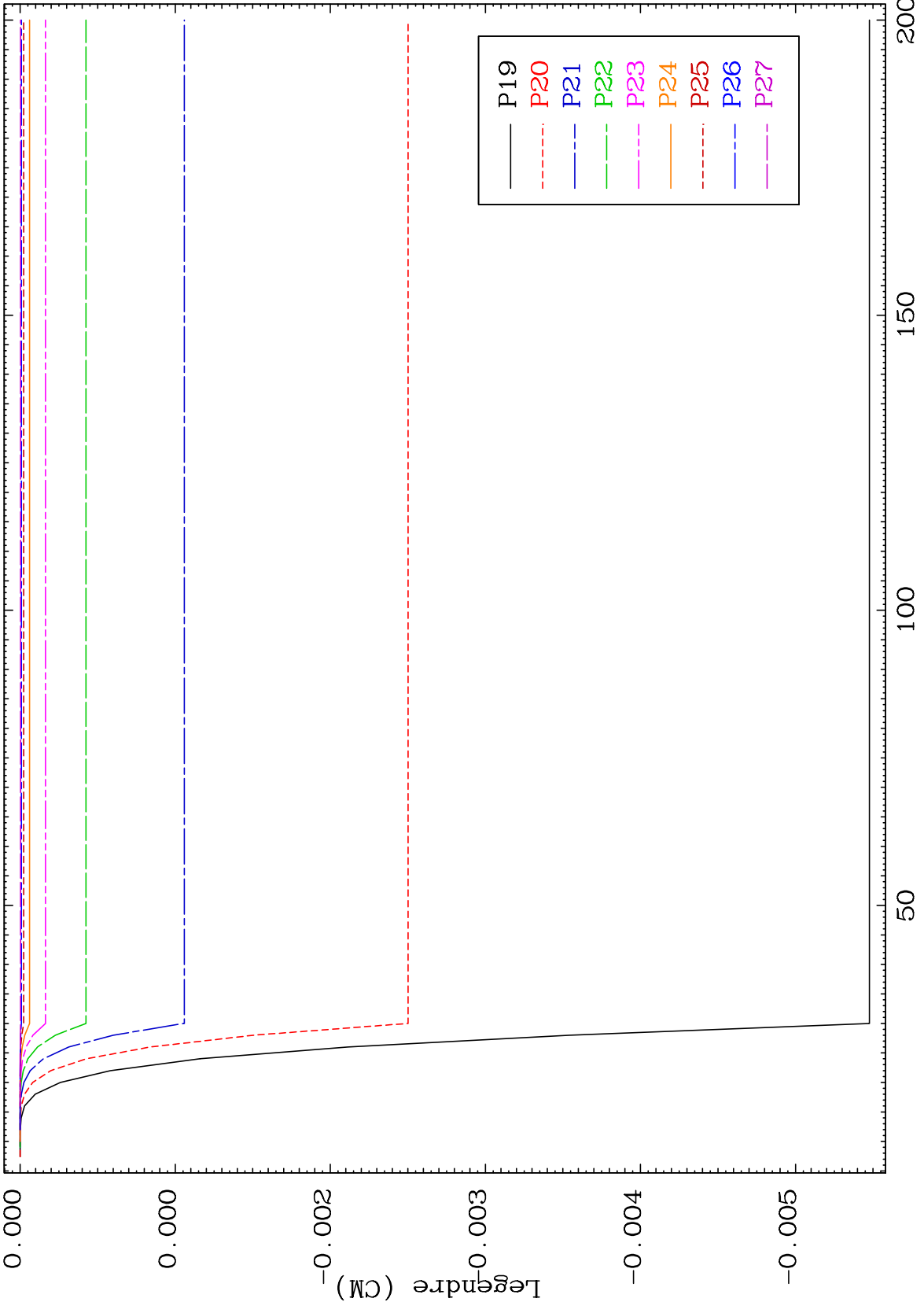


99

Incident Energy (MeV)

41-Nb-92

MAT 4122 MT= 74 (n,n') Level Legendre Coefficients 41-Nb-92

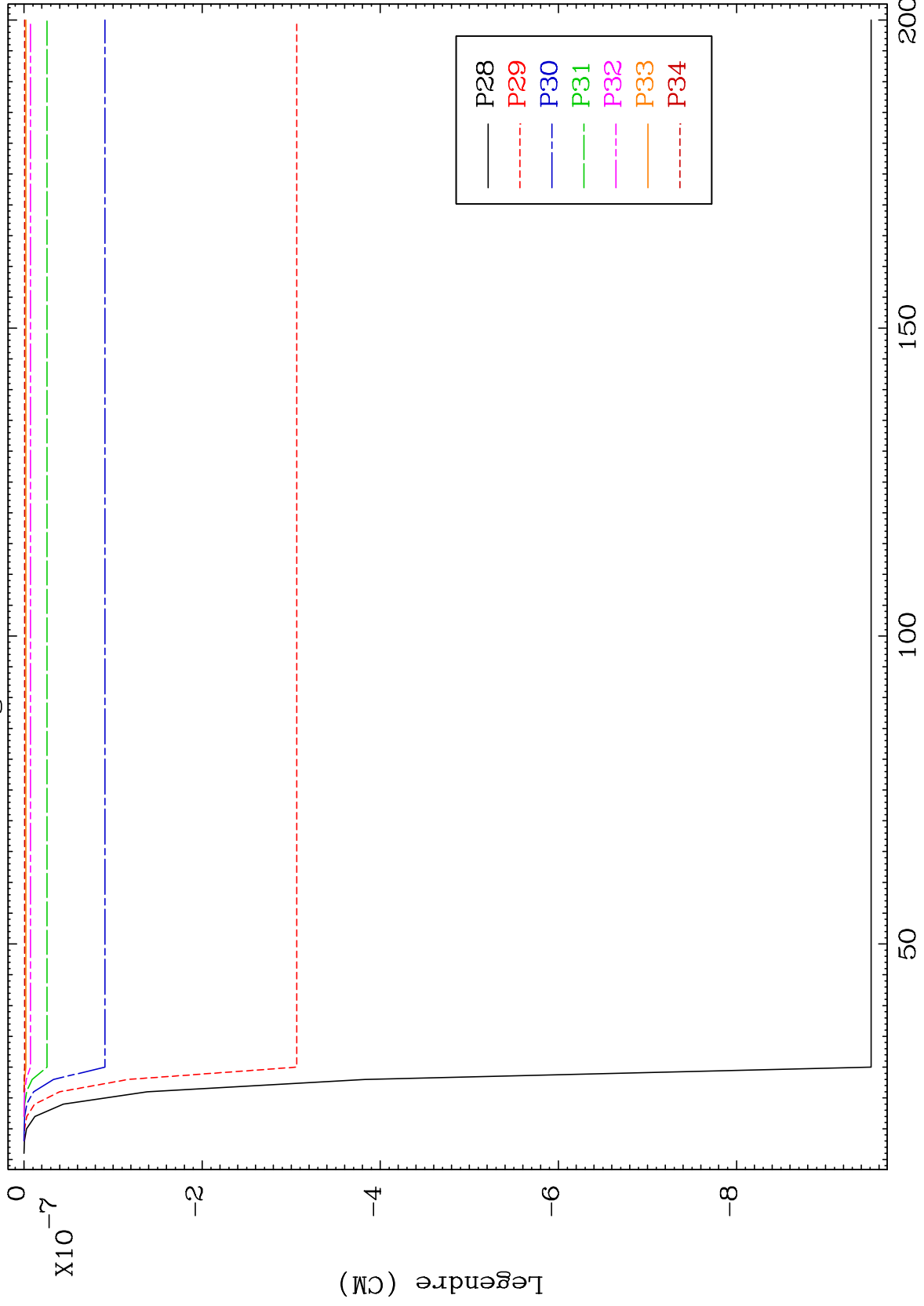


100 50 100 150 200 41-Nb-92

MAT 4122

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

41-Nb-92



41-Nb-92

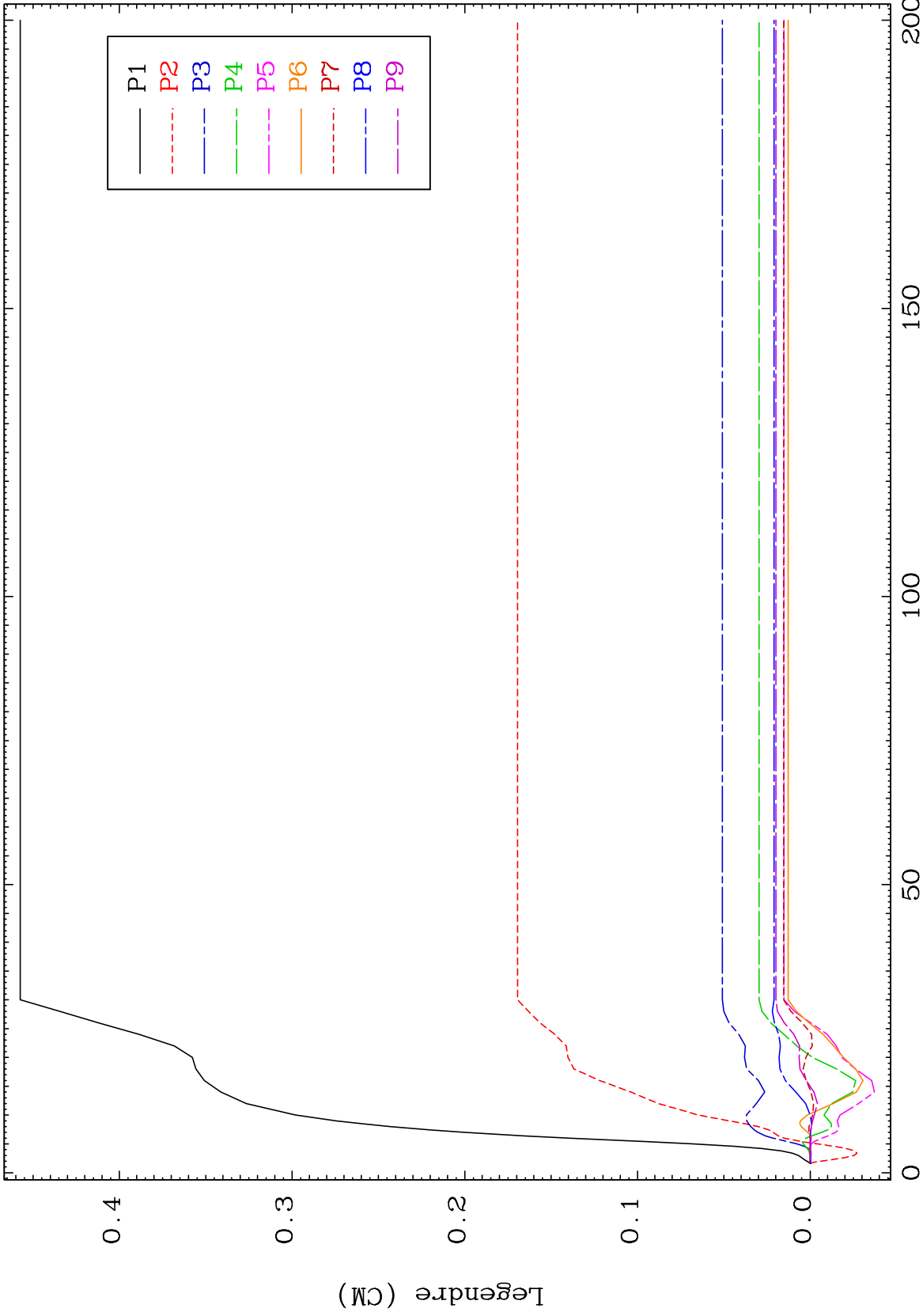
Incident Energy (MeV)

101

MAT 4122

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

41-Nb-92



102

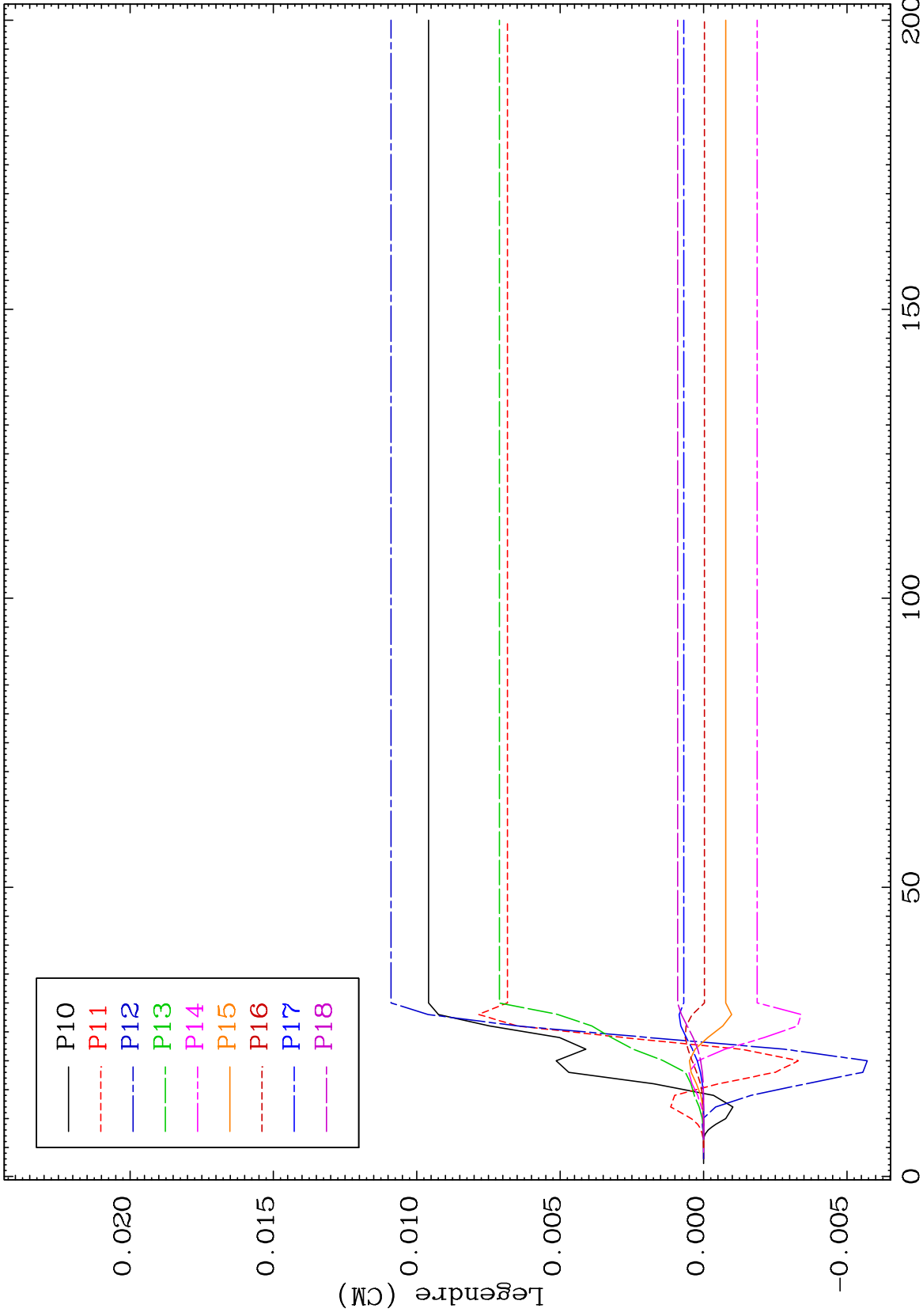
Incident Energy (MeV)

41-Nb-92

MAT 4122

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

41-Nb-92



103

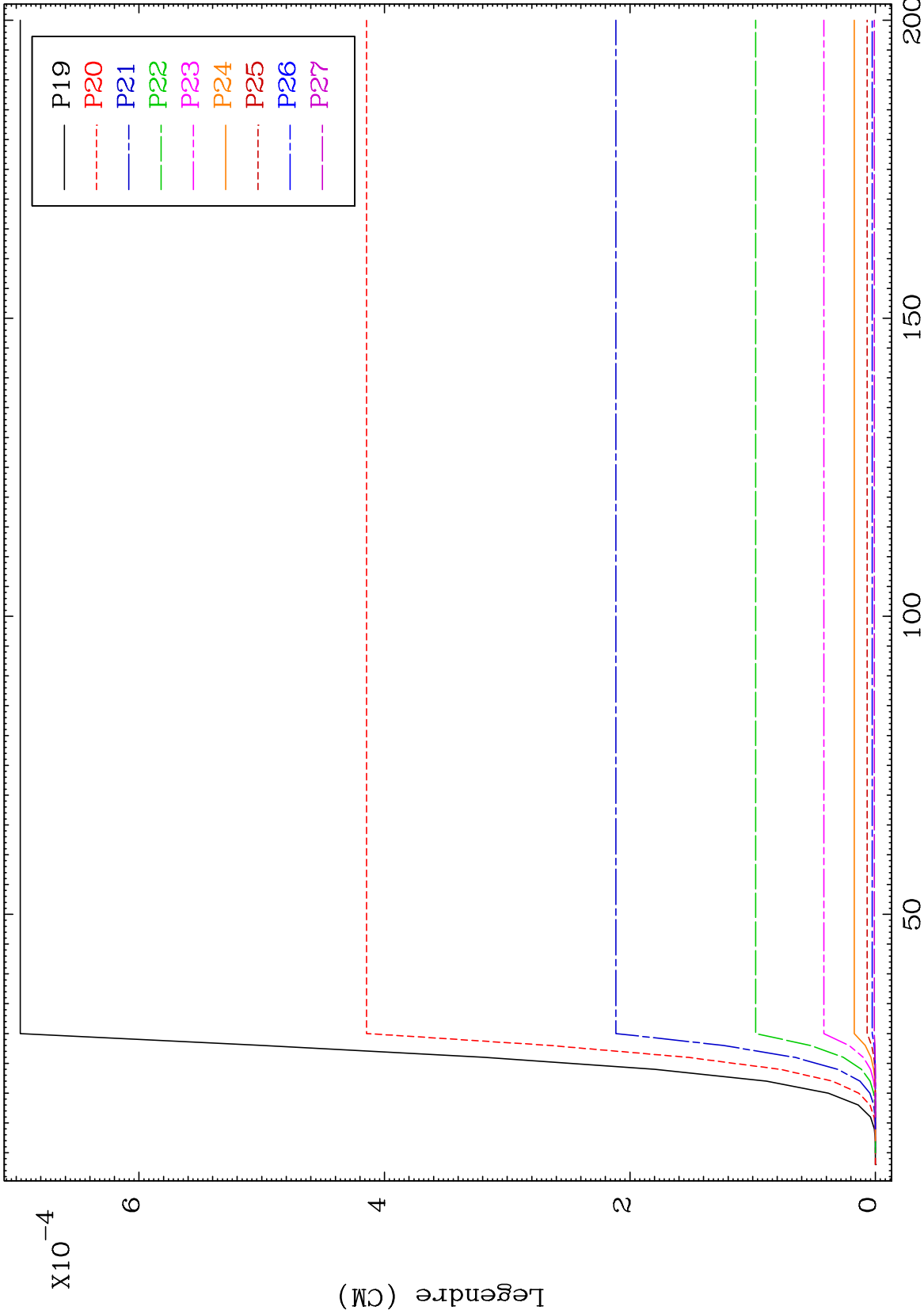
Incident Energy (MeV)

41-Nb-92

MAT 4122

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

41-Nb-92



41-Nb-92

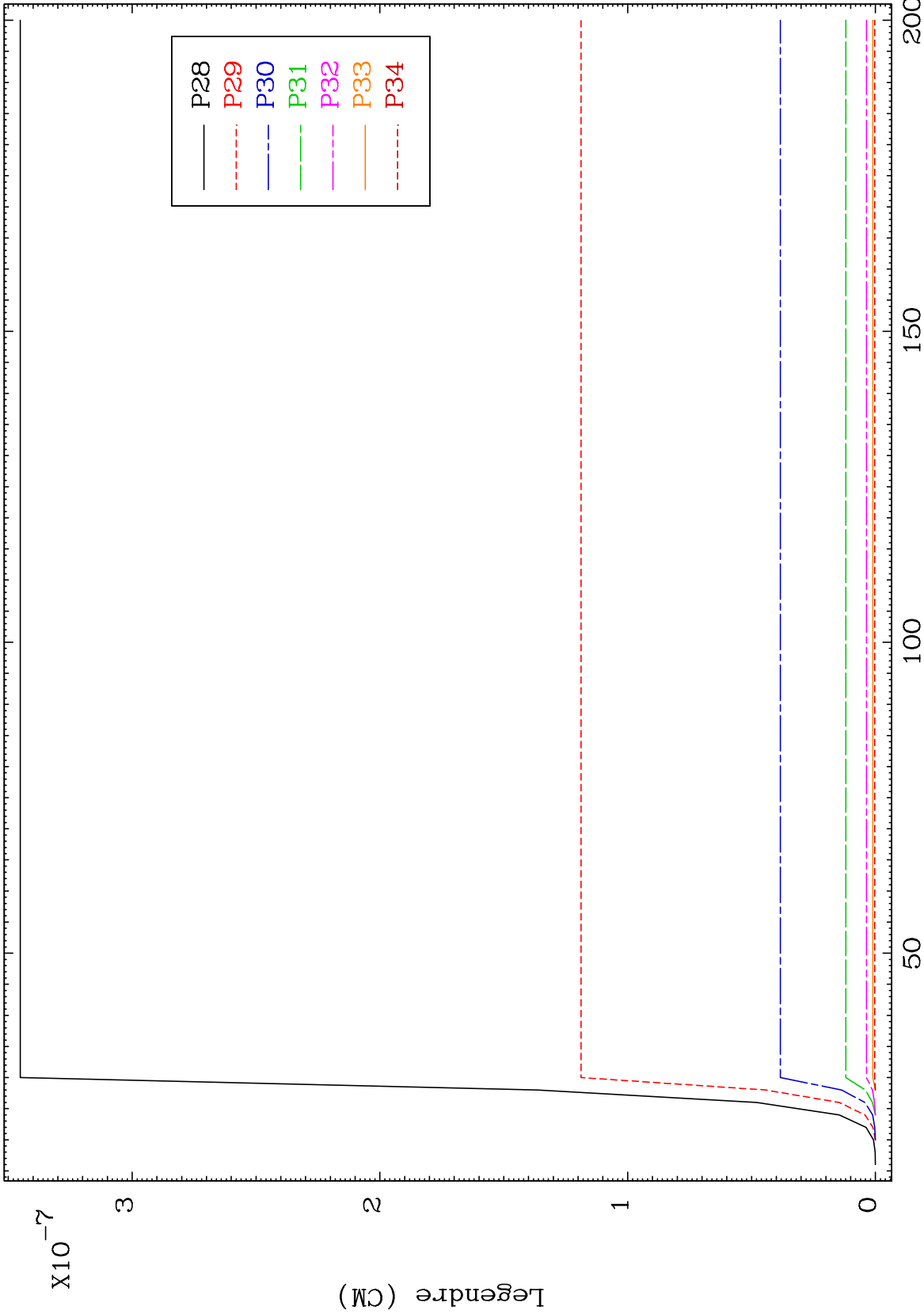
Incident Energy (MeV)

104

MAT 4122

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

41-Nb-92



105

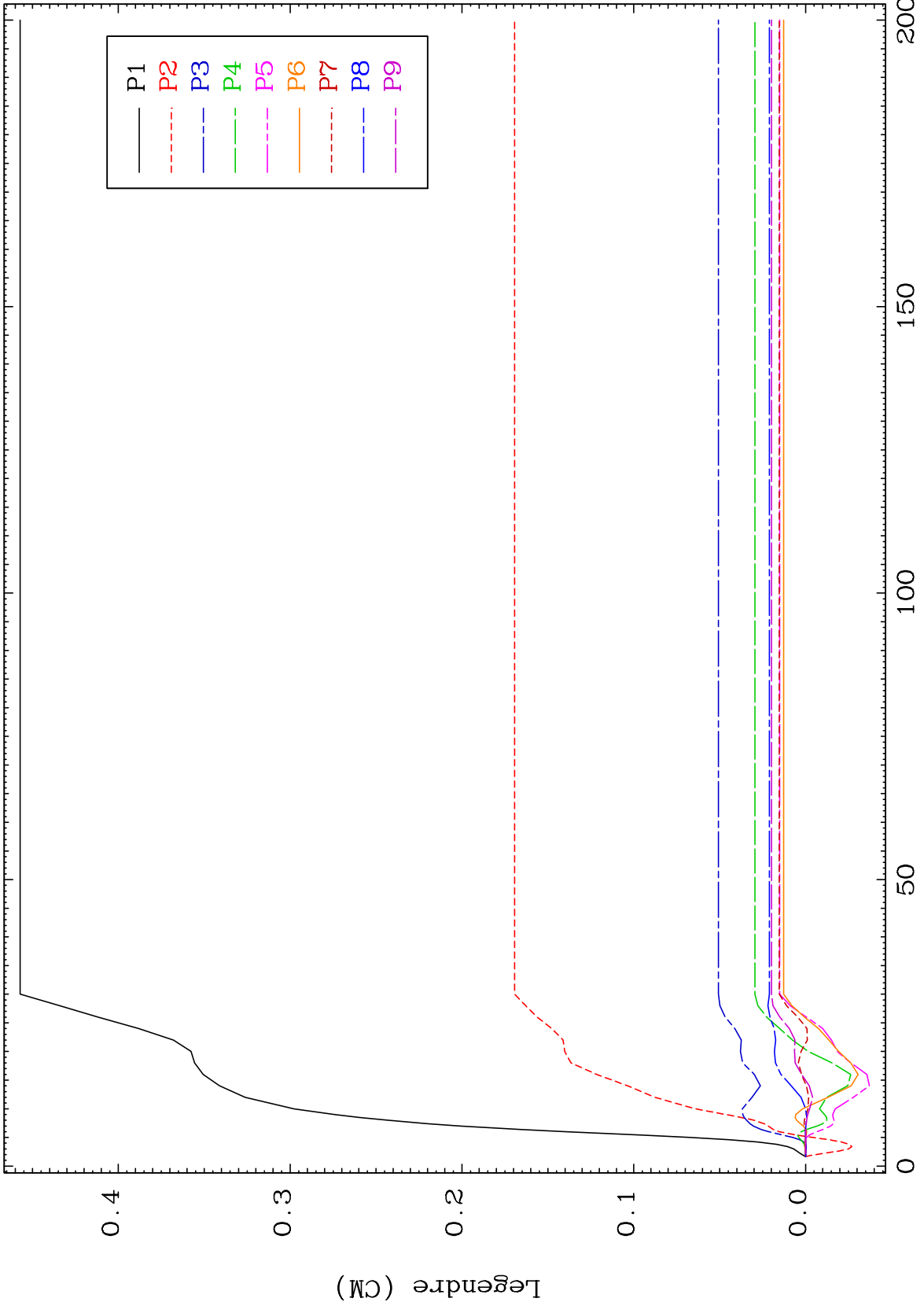
Incident Energy (MeV)

41-Nb-92

MAT 4122

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

41-Nb-92



106

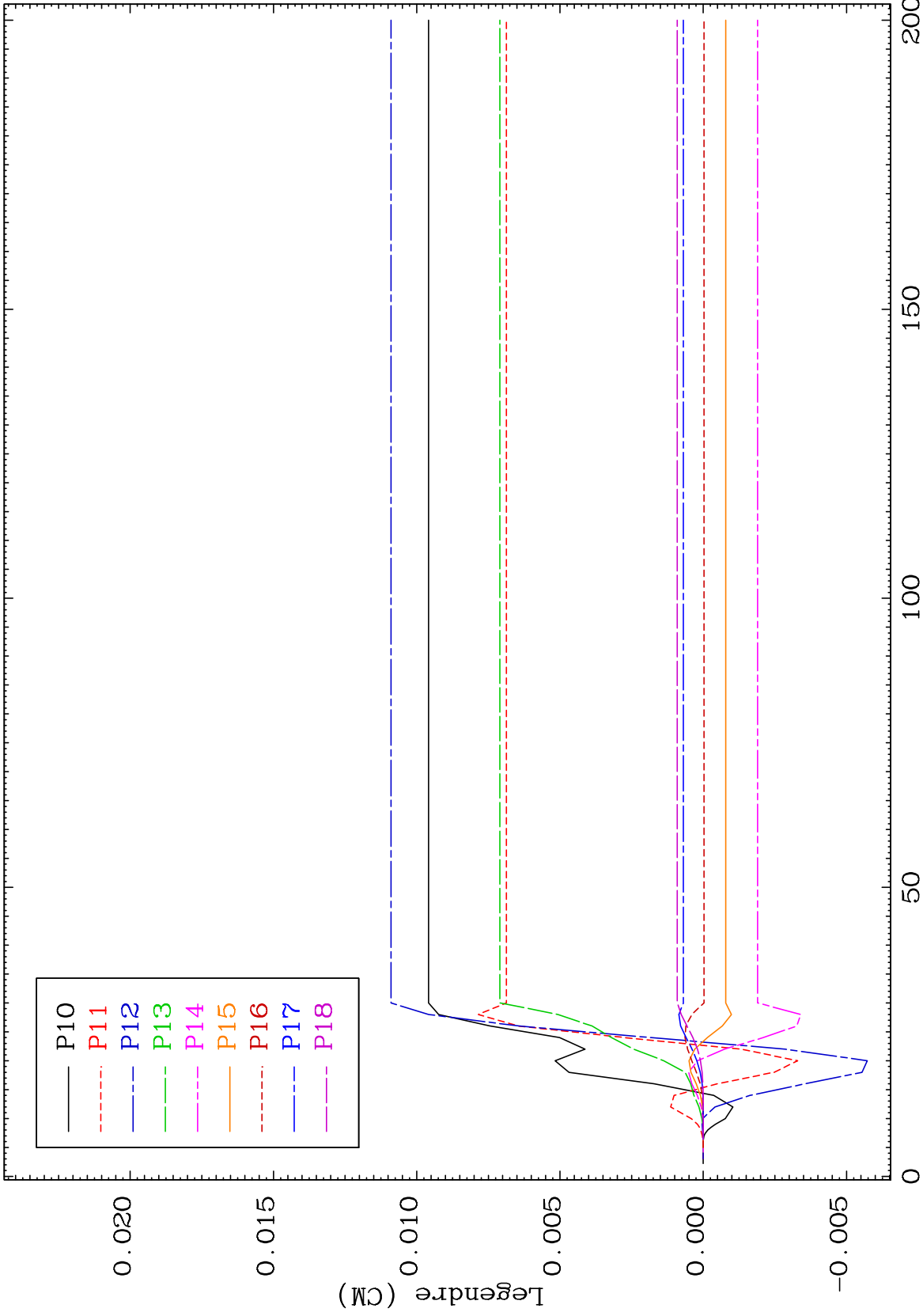
Incident Energy (MeV)

41-Nb-92

MAT 4122

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

41-Nb-92



107

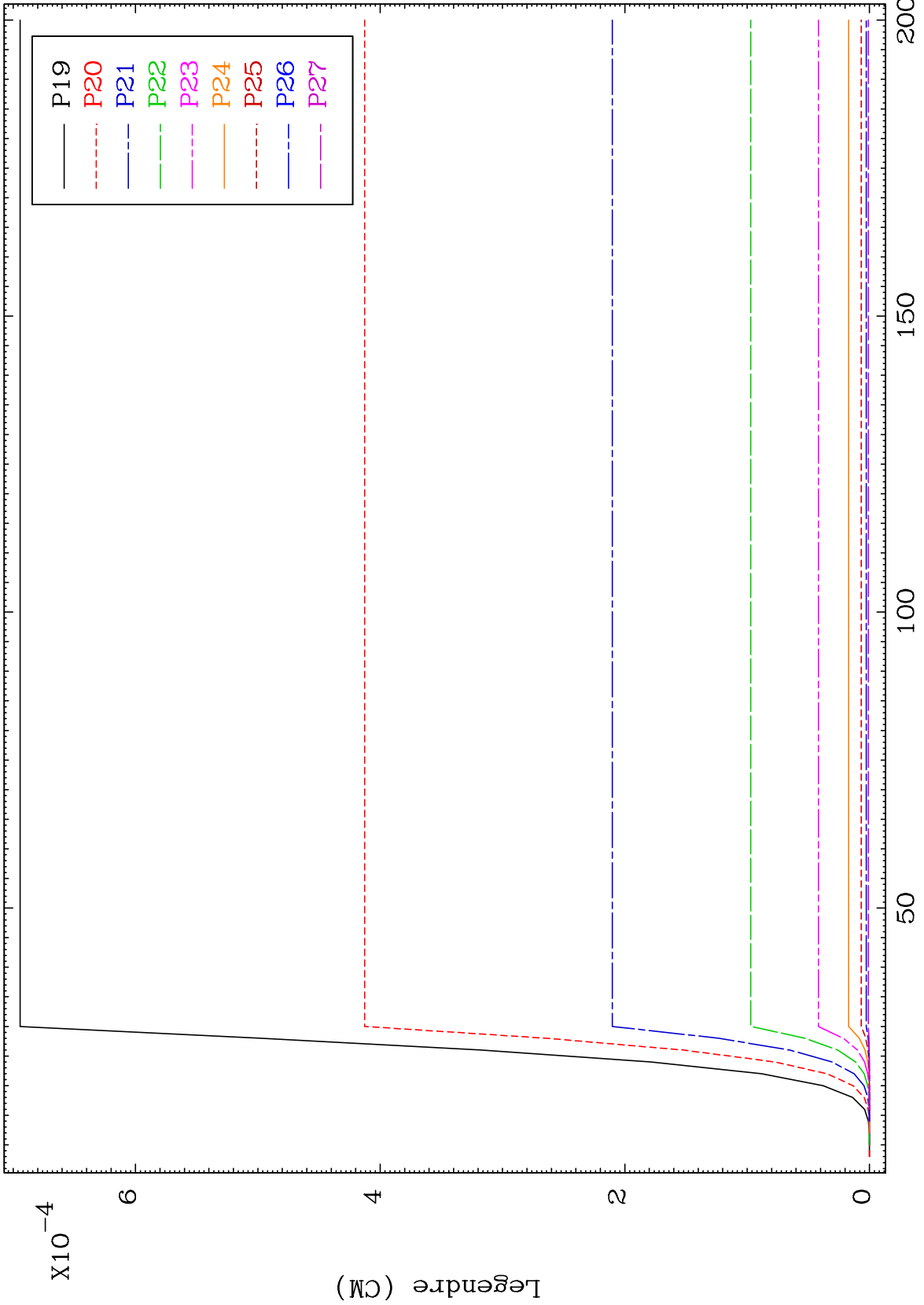
Incident Energy (MeV)

41-Nb-92

MAT 4122

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

41-Nb-92



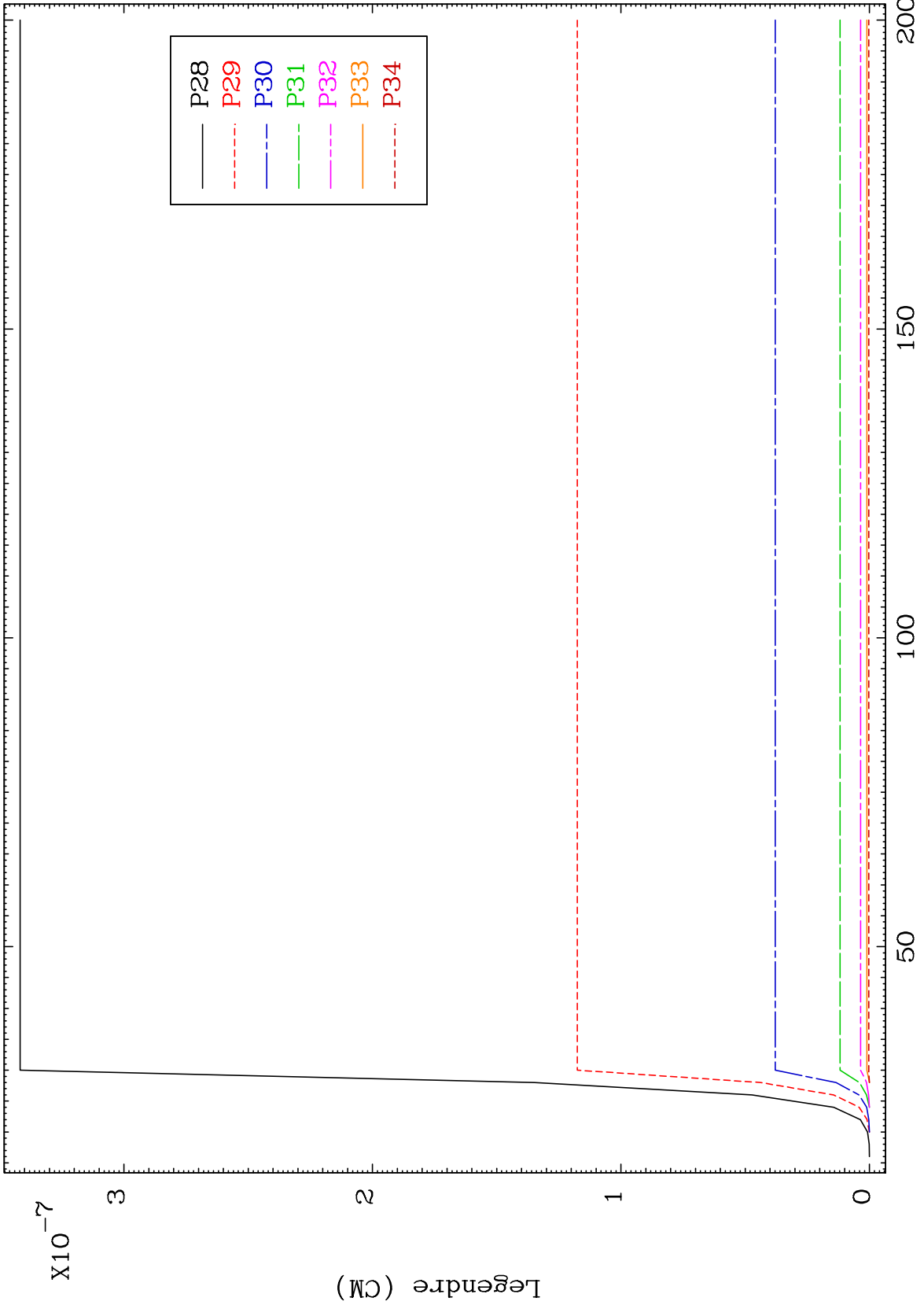
108

41-Nb-92

MAT 4122

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

41-Nb-92



109

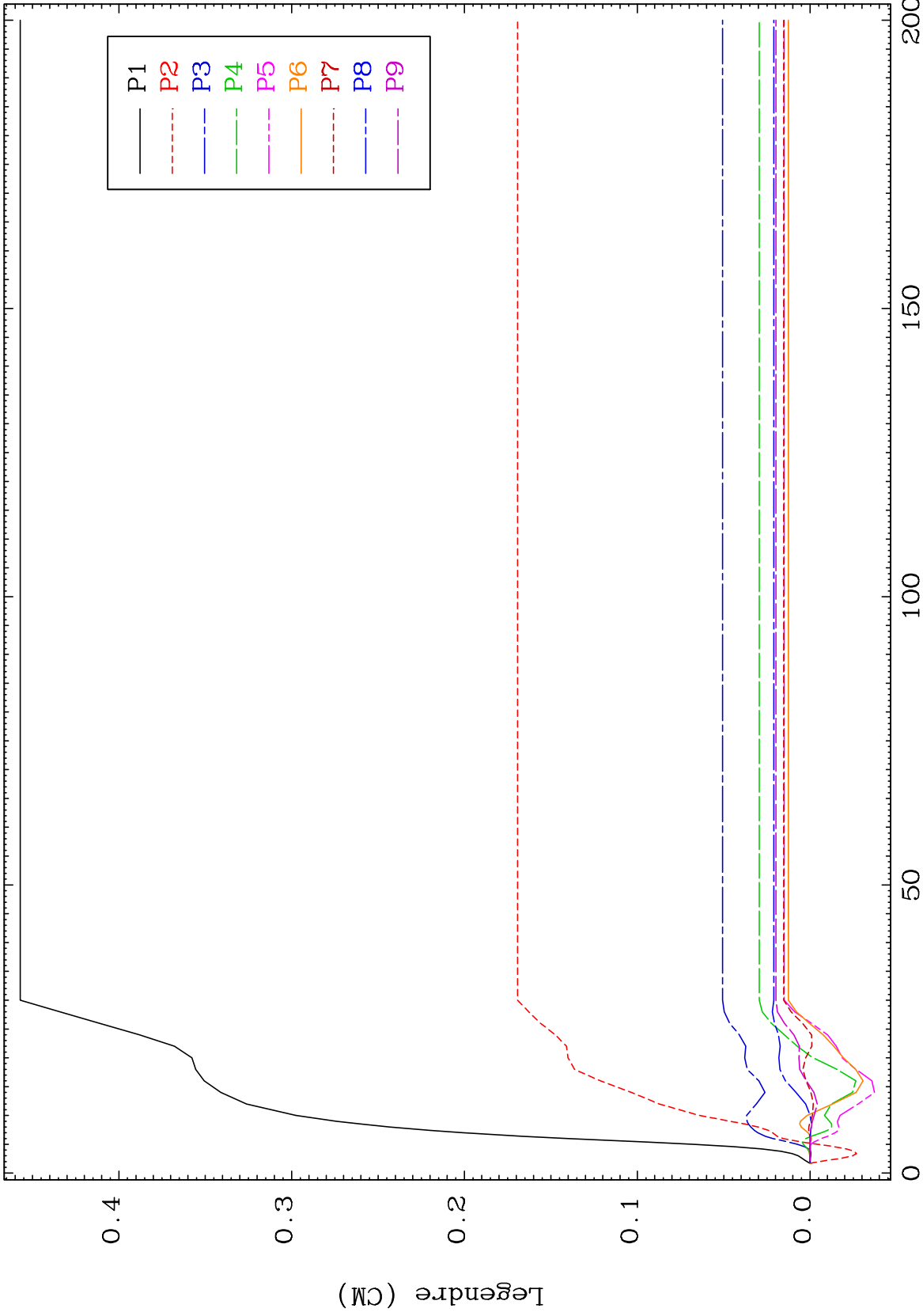
Incident Energy (MeV)

41-Nb-92

MAT 4122

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

41-Nb-92



110

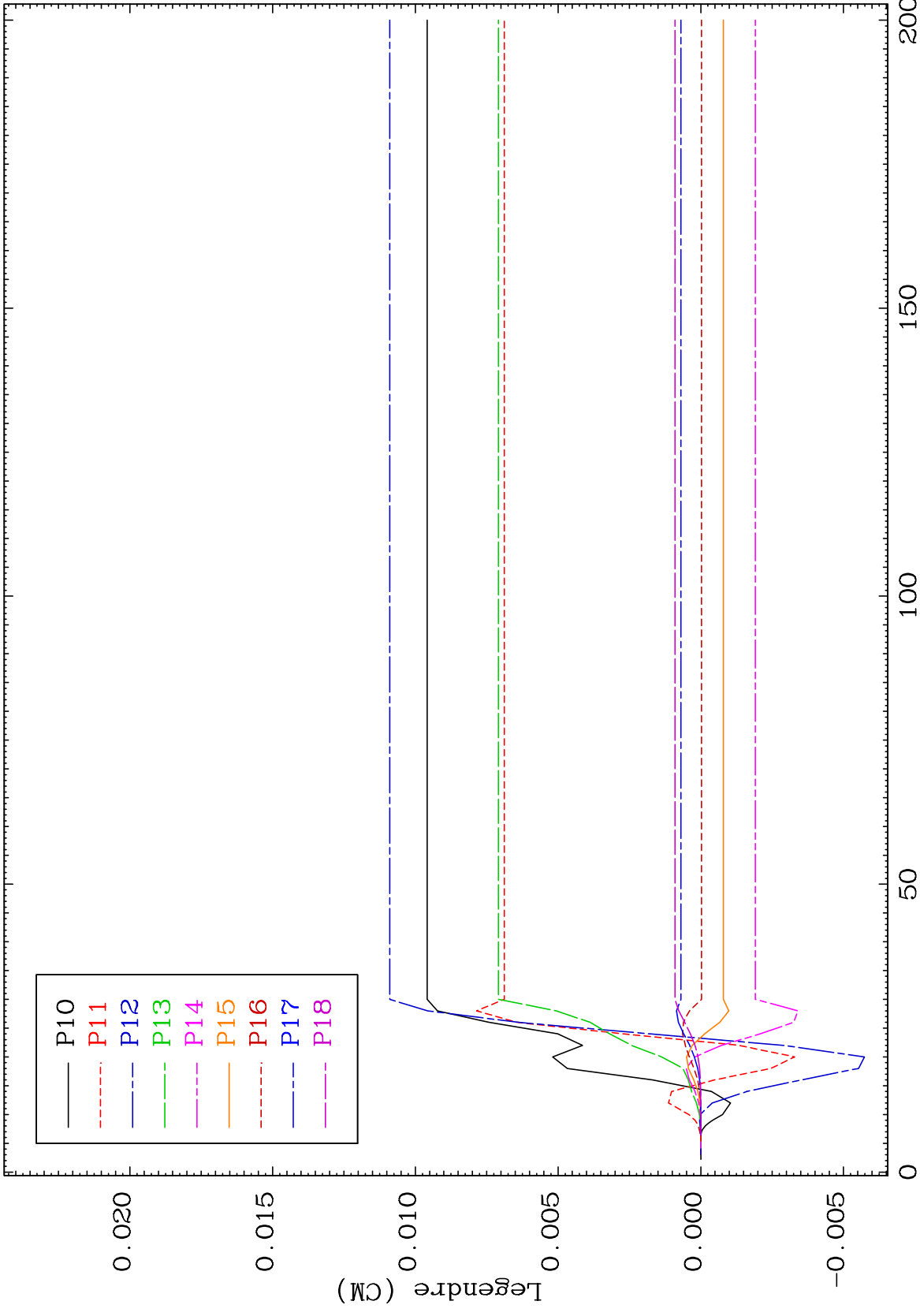
Incident Energy (MeV)

41-Nb-92

MAT 4122

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

41-Nb-92



111

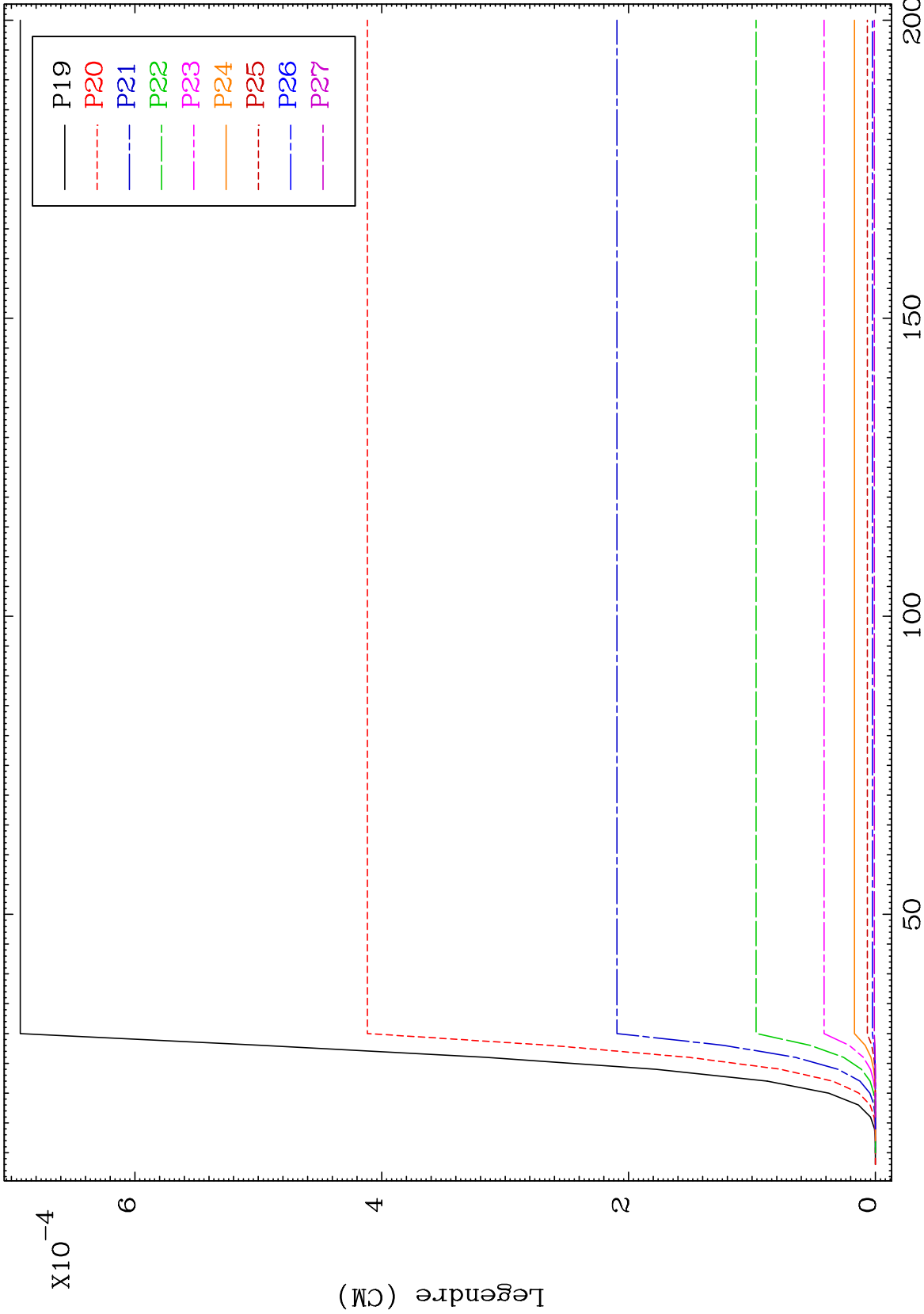
Incident Energy (MeV)

41-Nb-92

MAT 4122

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

41-Nb-92



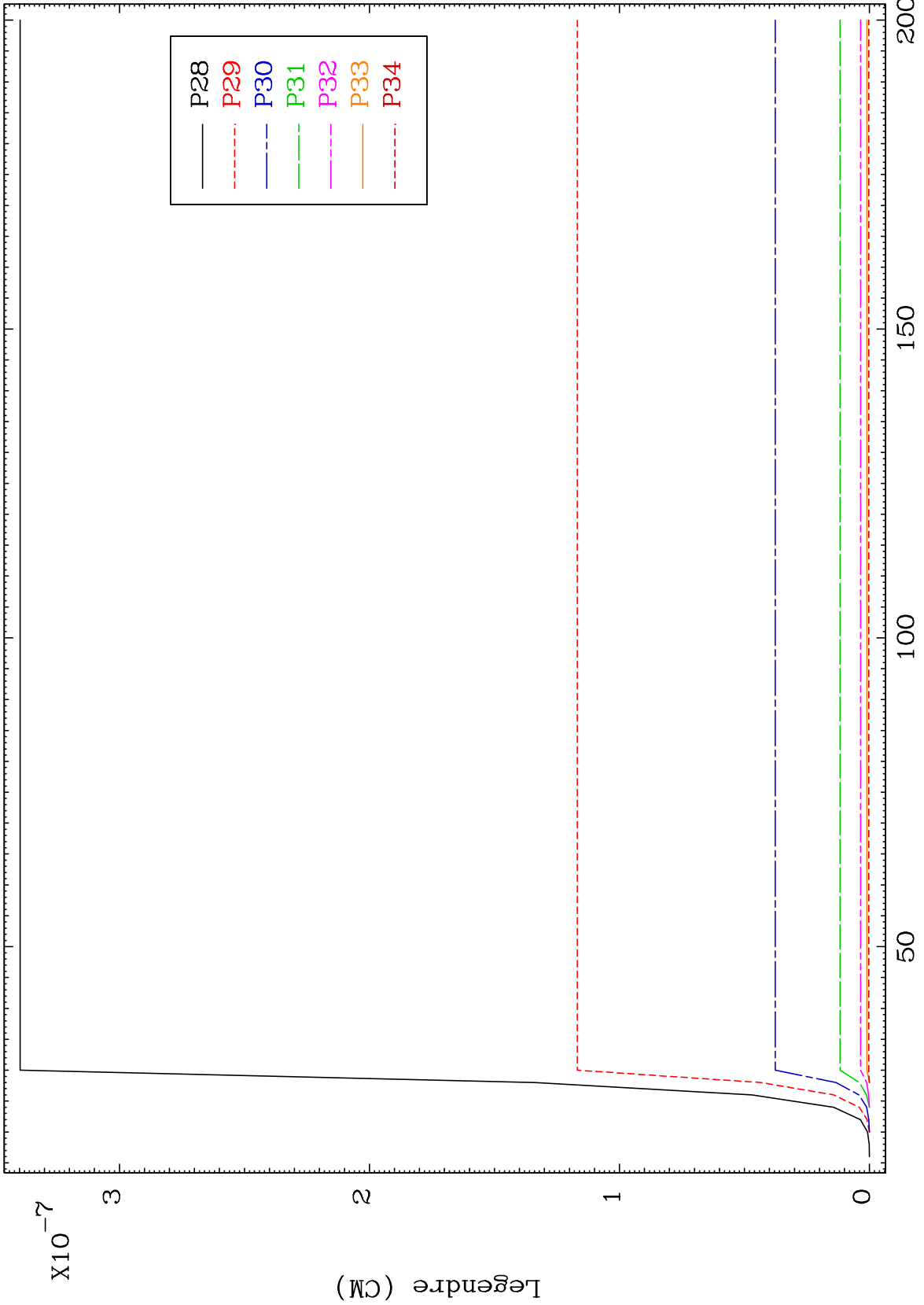
112

41-Nb-92

MAT 4122

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

41-Nb-92



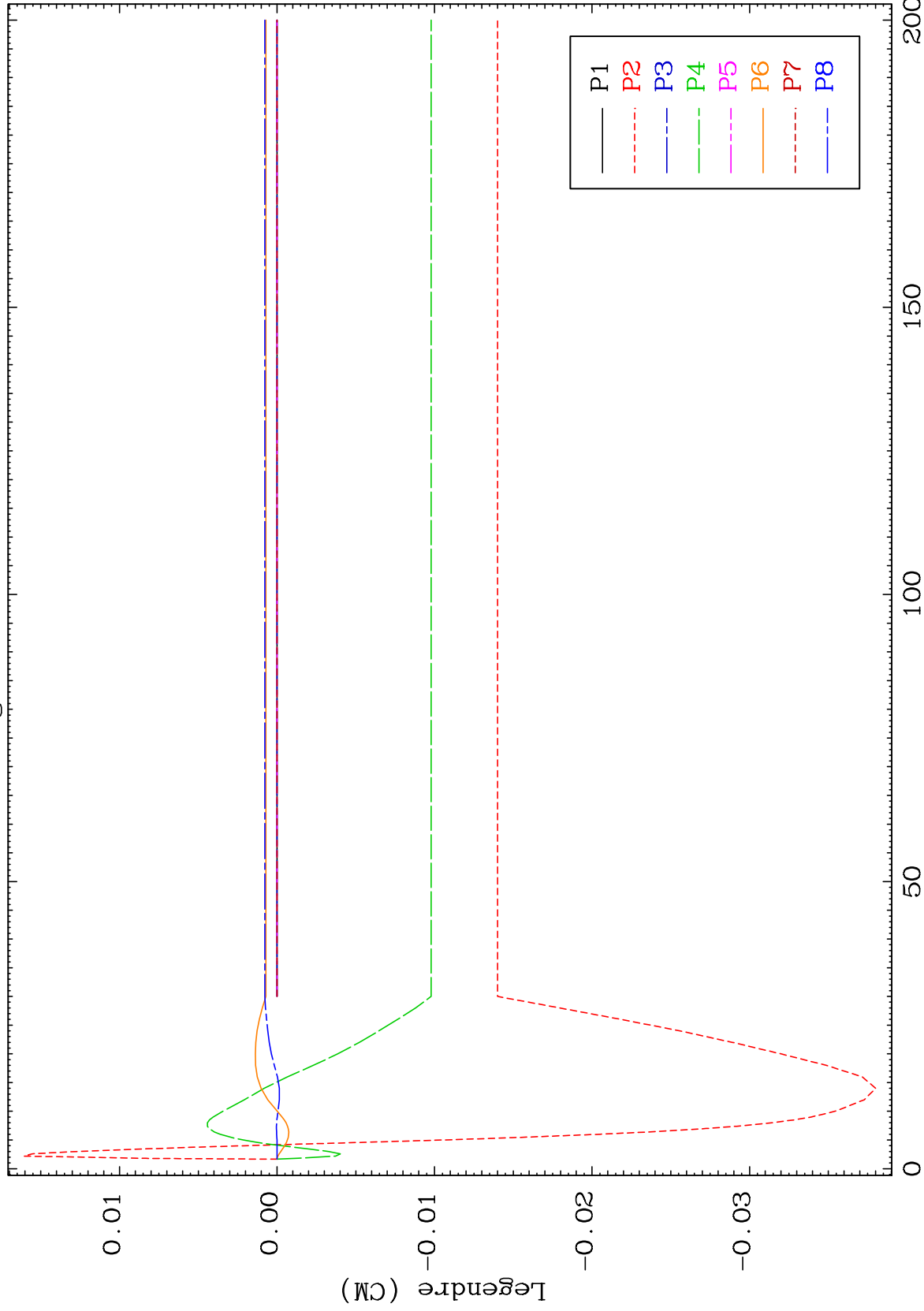
113

41-Nb-92

MAT 4122

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

41-Nb-92



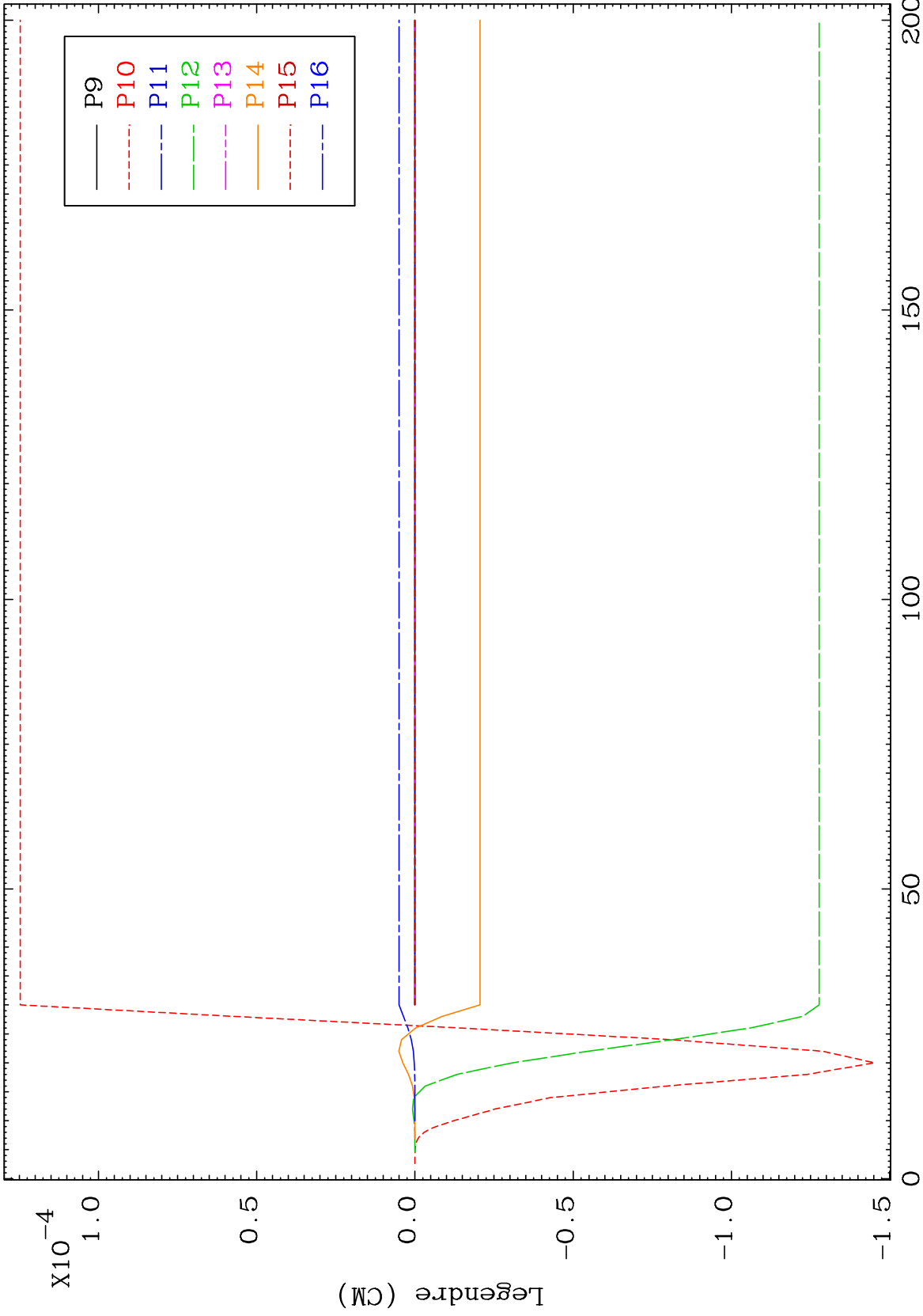
114

41-Nb-92

MAT 4122

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

41-Nb-92



115

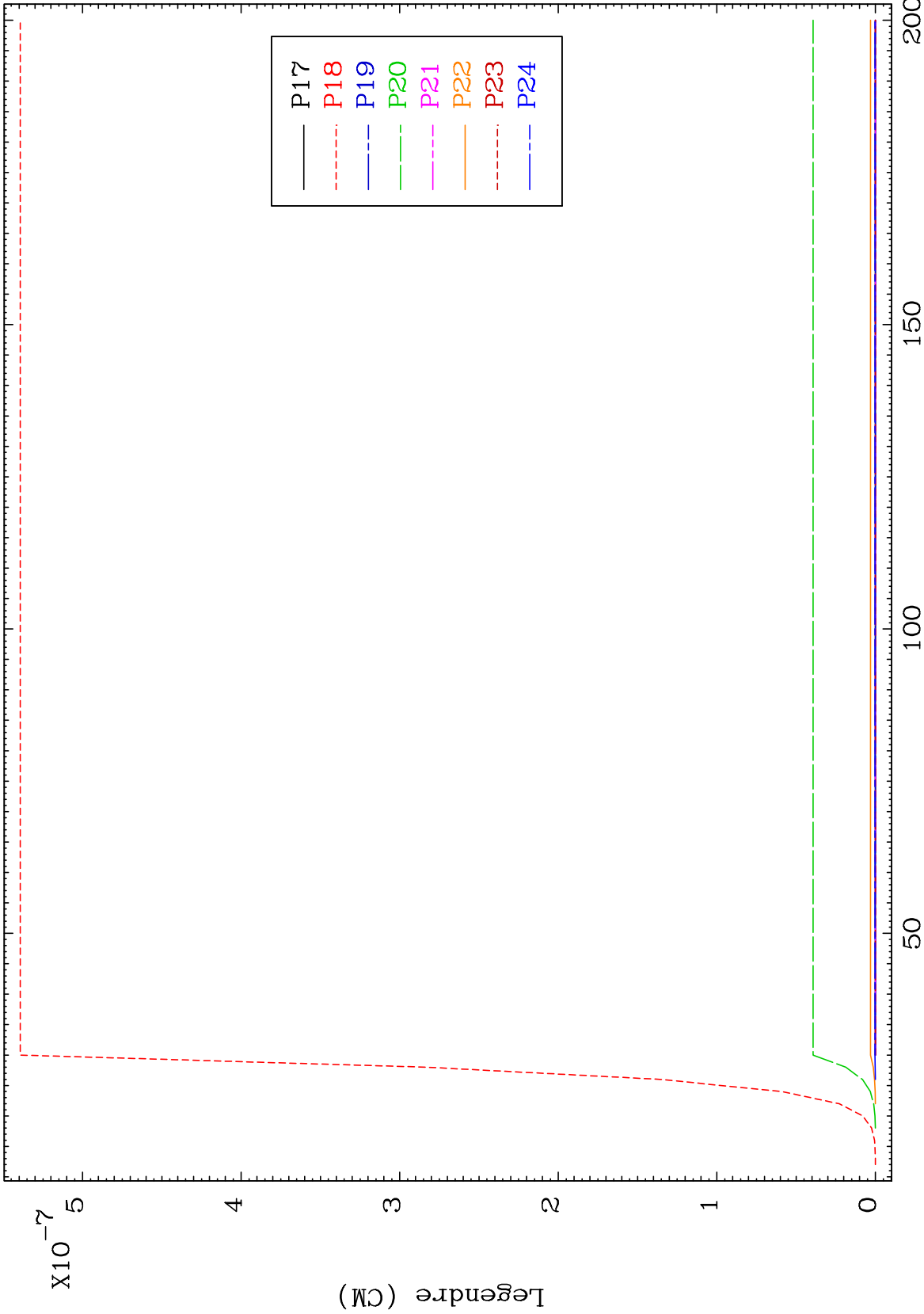
Incident Energy (MeV)

41-Nb-92

MAT 4122

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

41-Nb-92



116

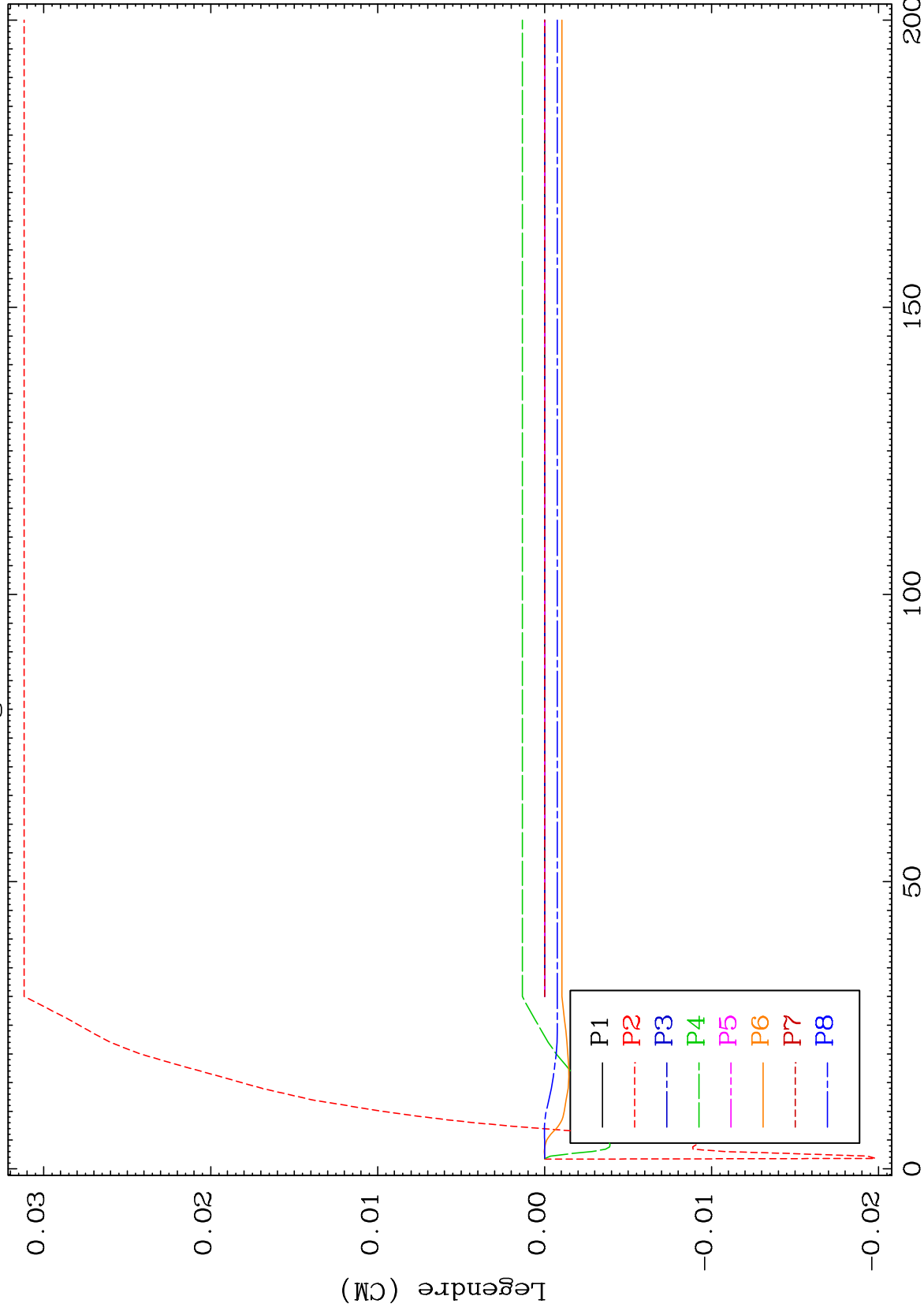
Incident Energy (MeV)

41-Nb-92

MAT 4122

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

41-Nb-92



117

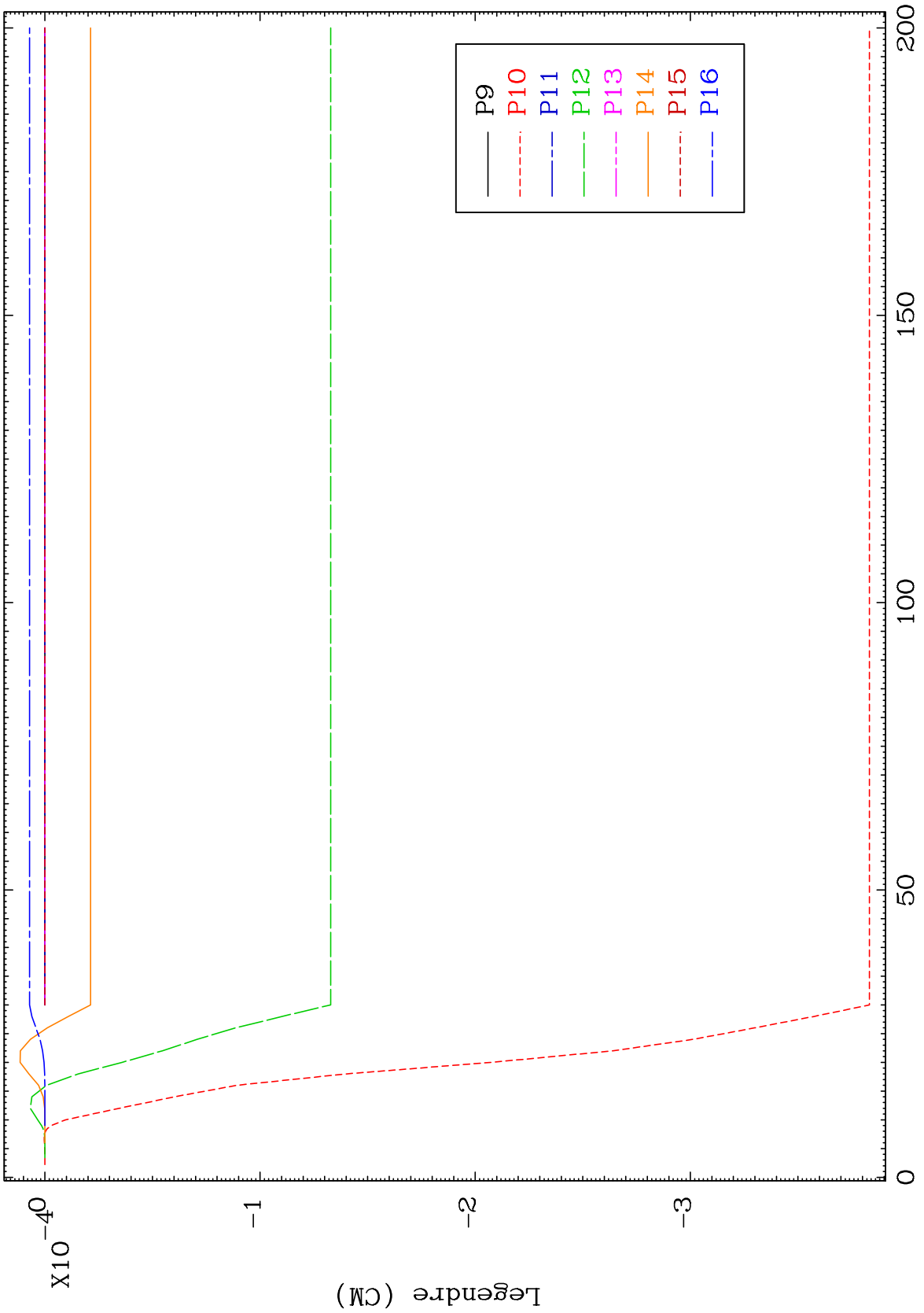
Incident Energy (MeV)

41-Nb-92

MAT 4122

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

41-Nb-92

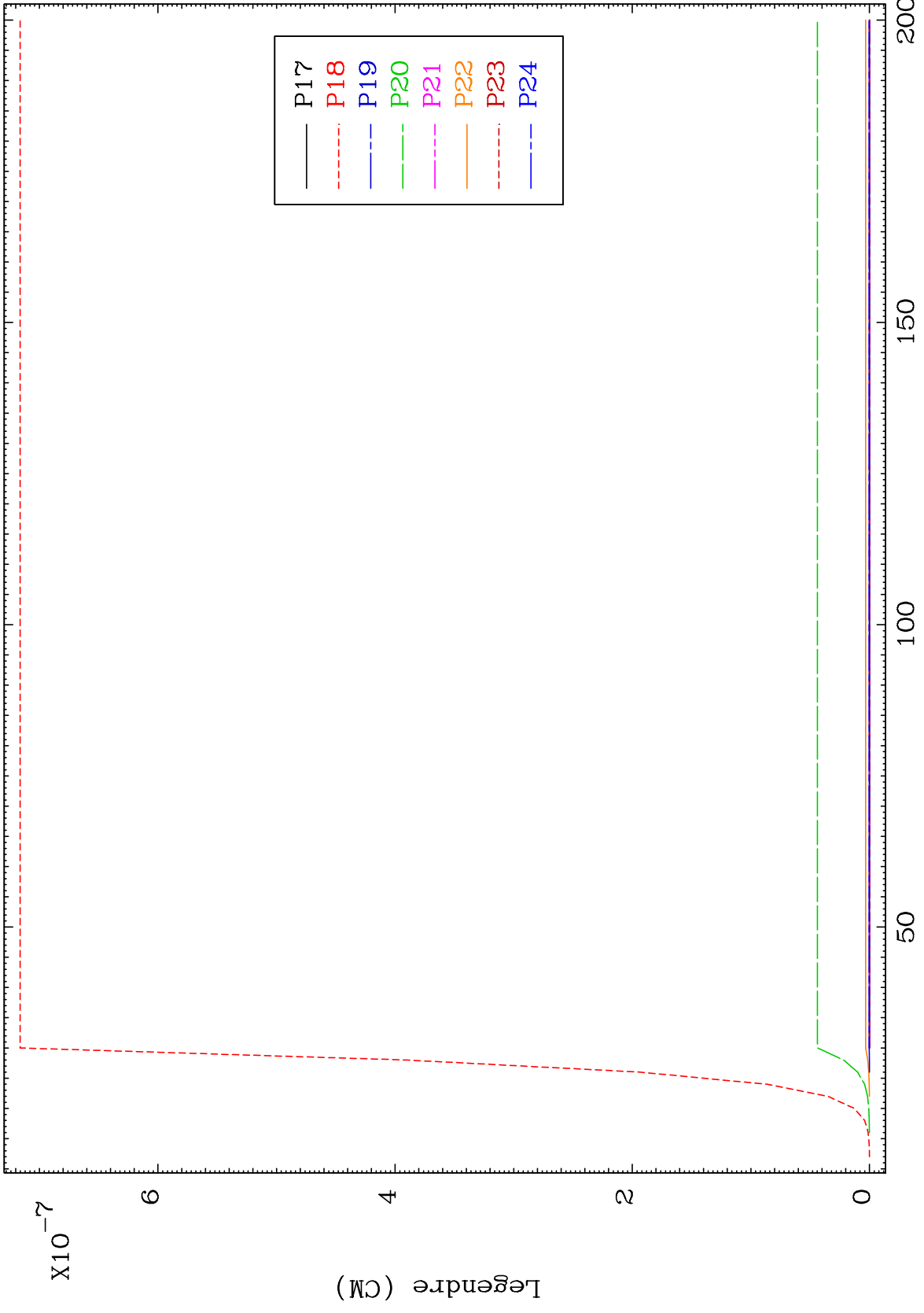


118

Incident Energy (MeV)

41-Nb-92

MAT 4122 MT= 79 (n,n') Level Legendre Coefficients 41-Nb-92

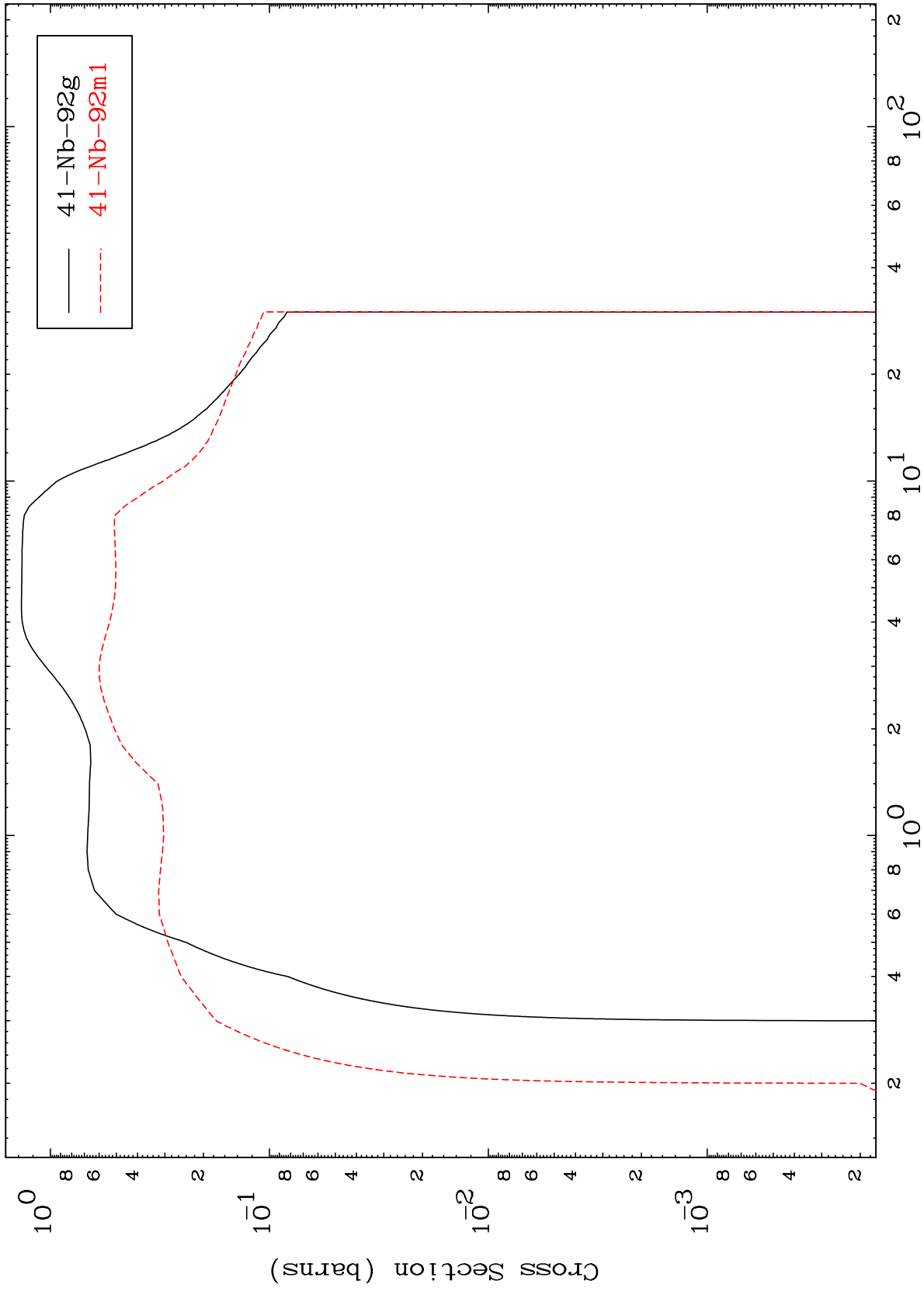


119 41-Nb-92

MAT 4122

41-Nb-92

Inelastic Radionuclide Production Cross Section



120

Incident Energy (MeV)

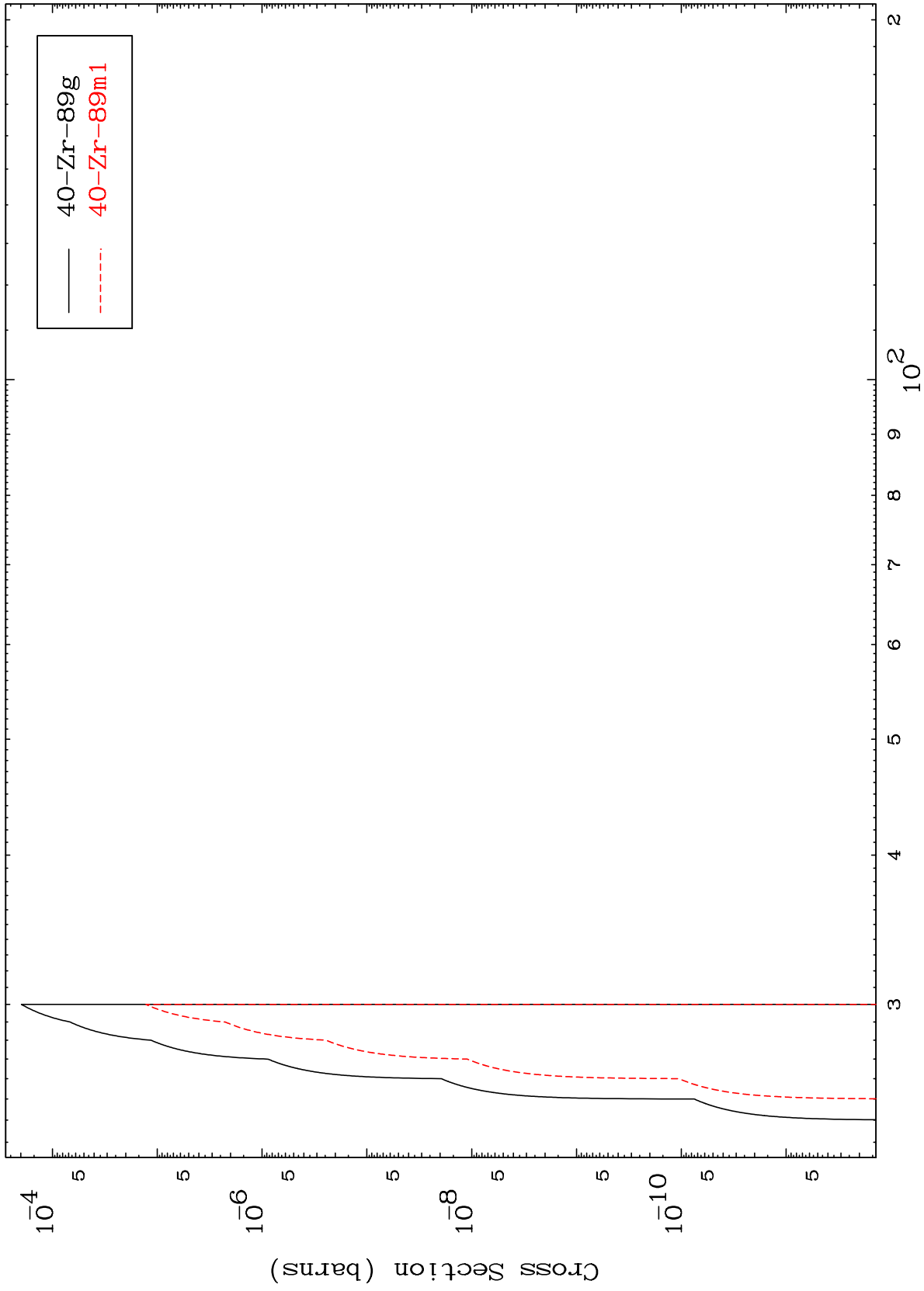
41-Nb-92

MAT 4122

(n,2n) d

41-Nb-92

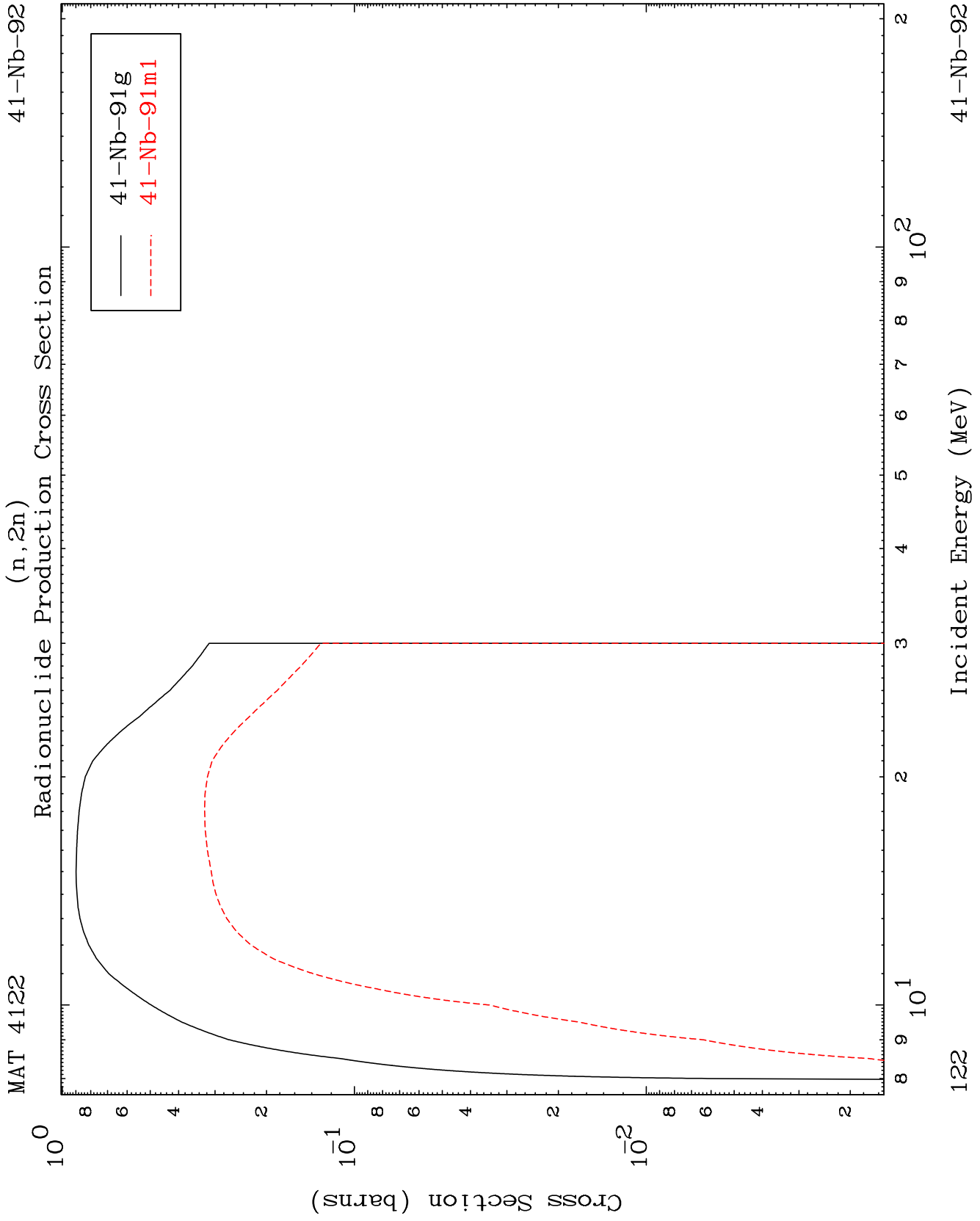
Radionuclide Production Cross Section



121

Incident Energy (MeV)

41-Nb-92

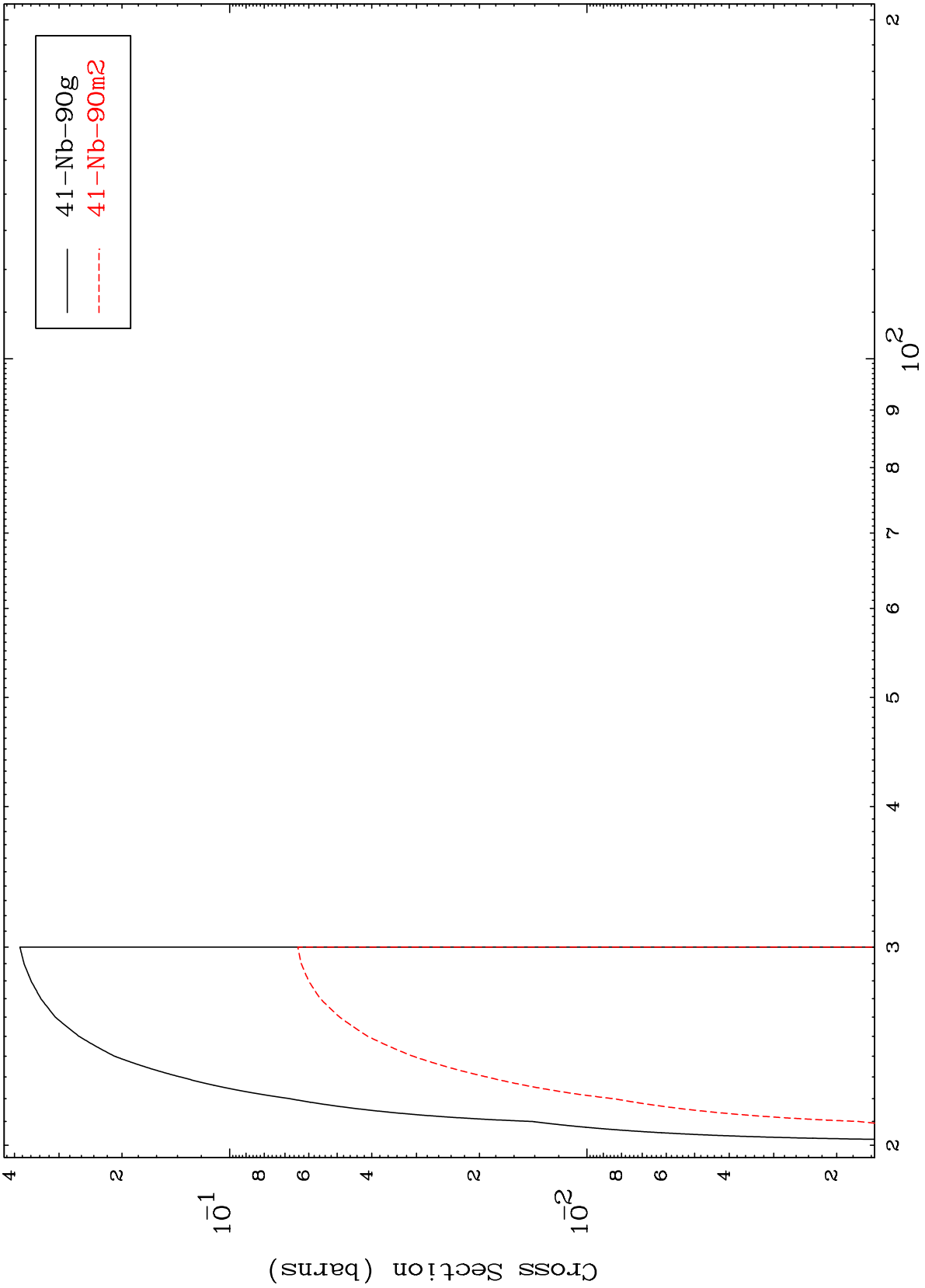


MAT 4122

(n,3n)

41-Nb-92

Radionuclide Production Cross Section



123

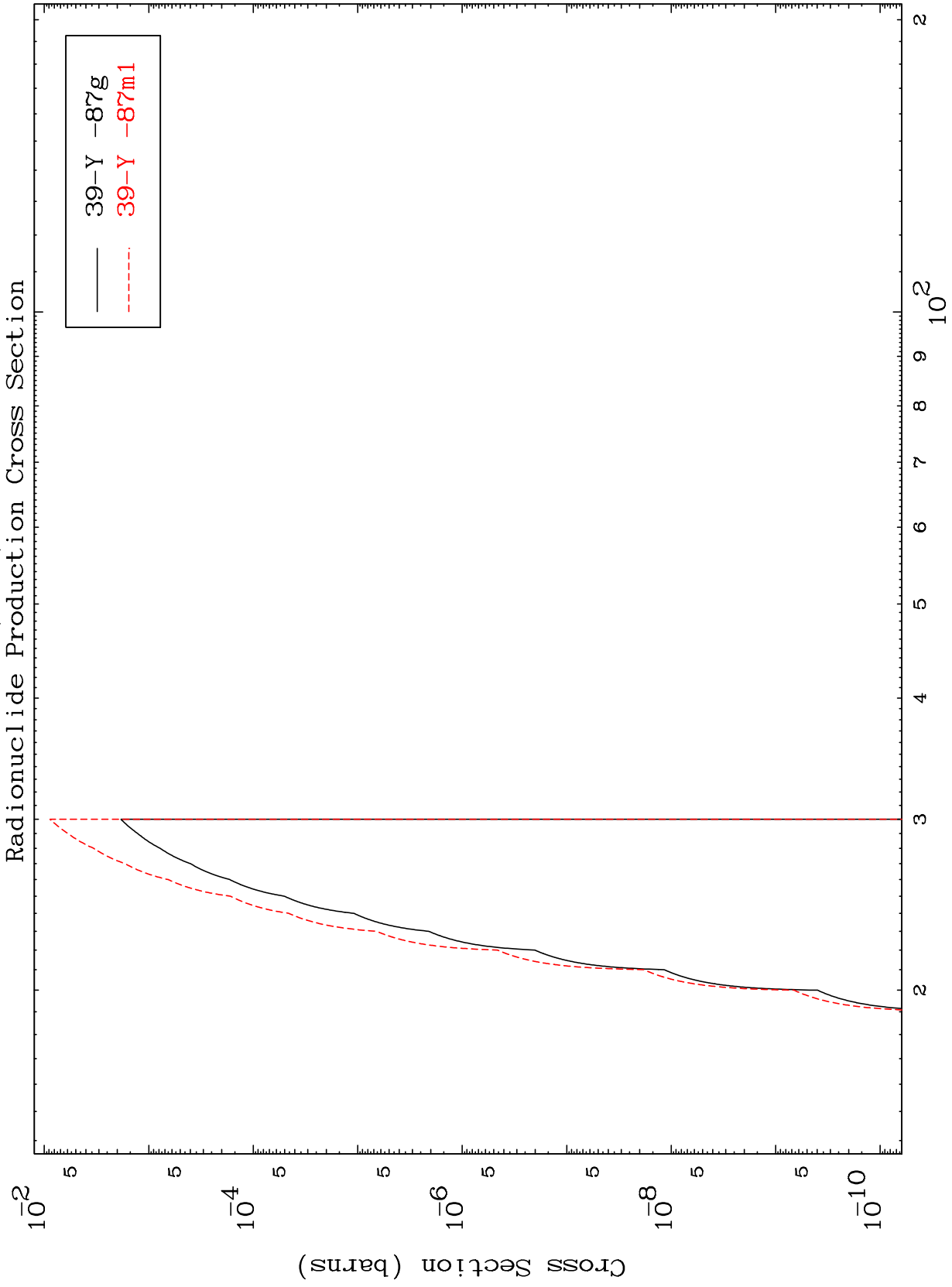
Incident Energy (MeV)

41-Nb-92

MAT 4122

(n,2n) α

41-Nb-92



124

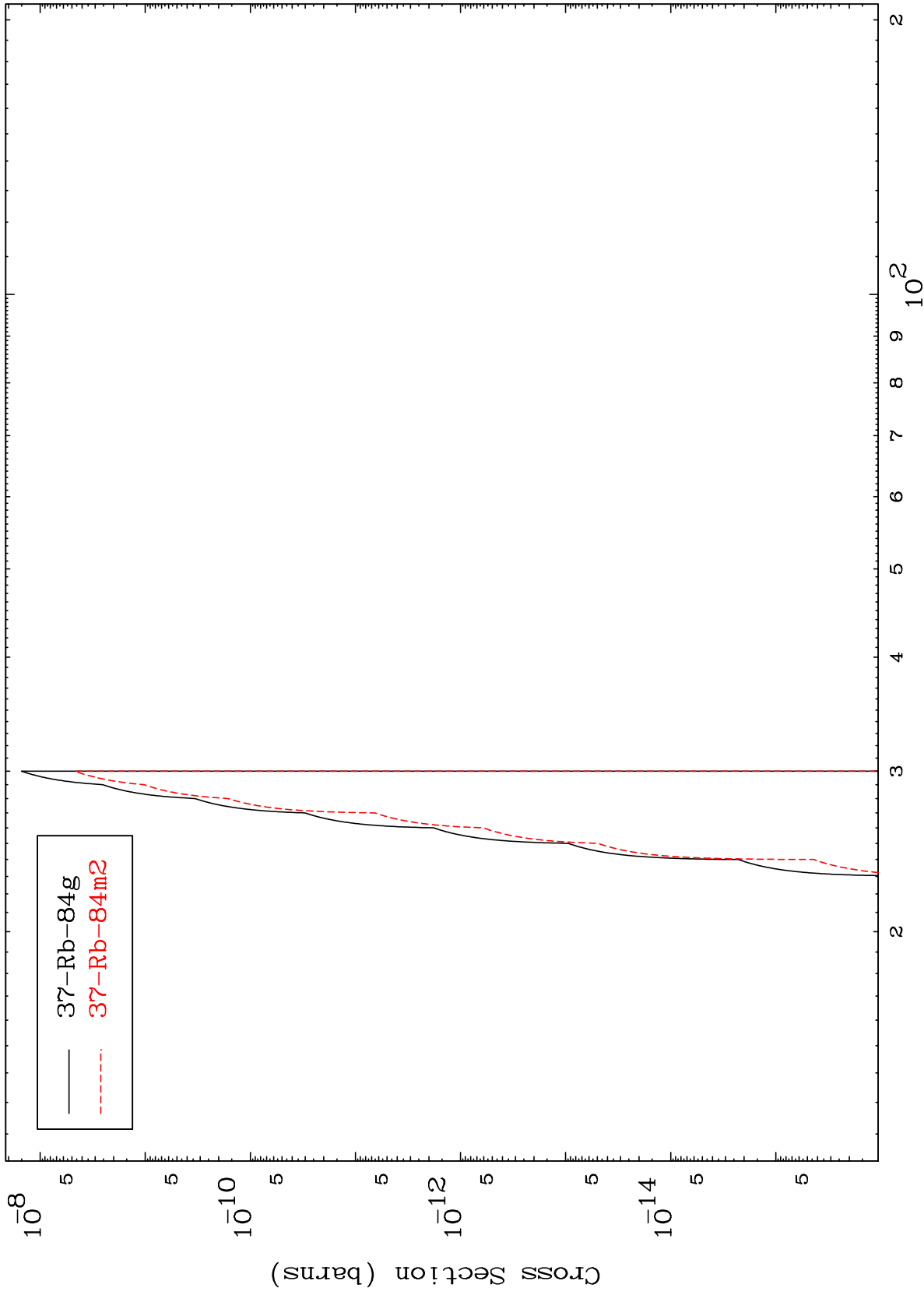
41-Nb-92

MAT 4122

(n,n') 2 α

41-Nb-92

Radionuclide Production Cross Section



125

Incident Energy (MeV)

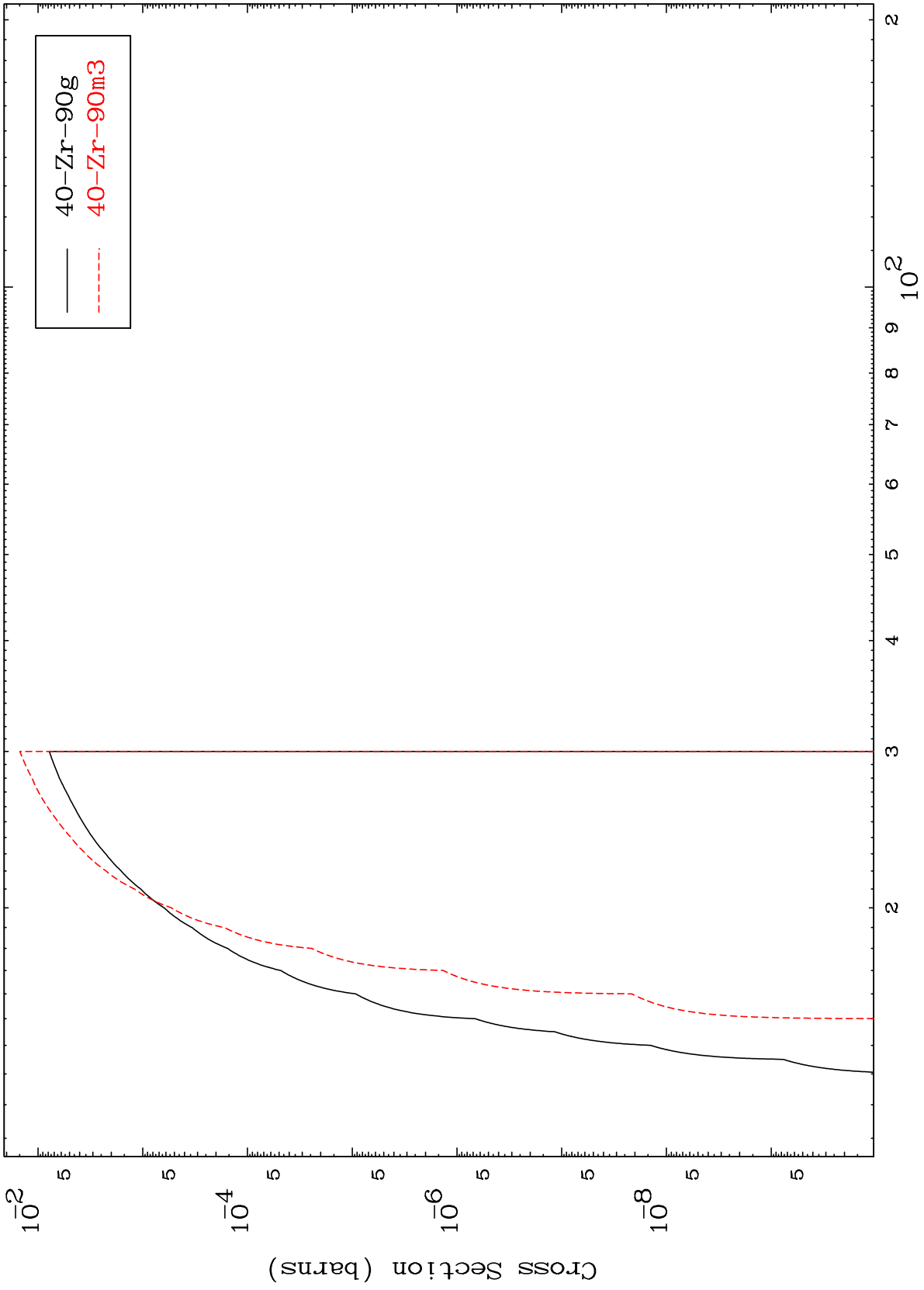
41-Nb-92

MAT 4122

(n,n') d

41-Nb-92

Radionuclide Production Cross Section



126

Incident Energy (MeV)

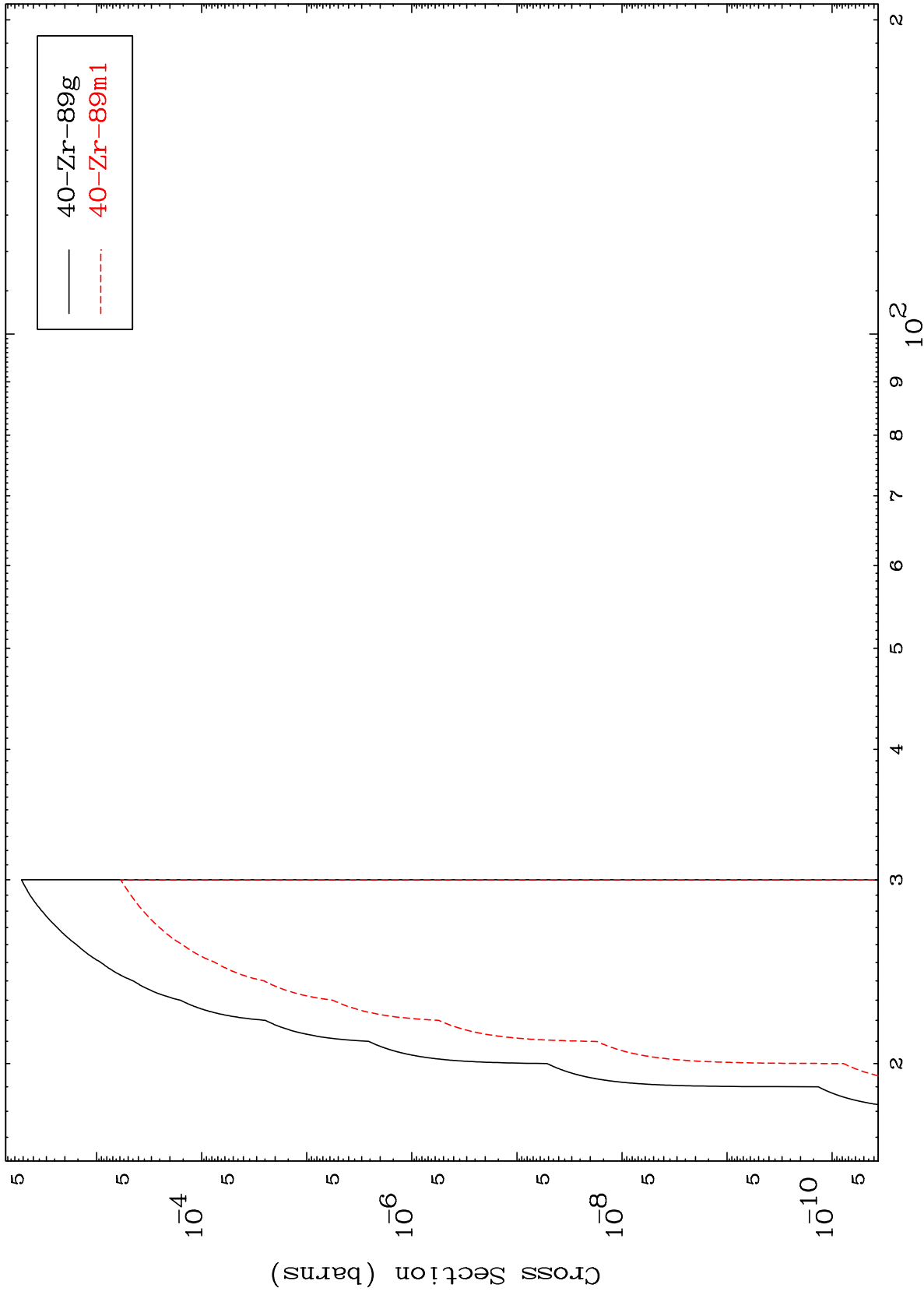
41-Nb-92

MAT 4122

(n,n') t

41-Nb-92

Radionuclide Production Cross Section

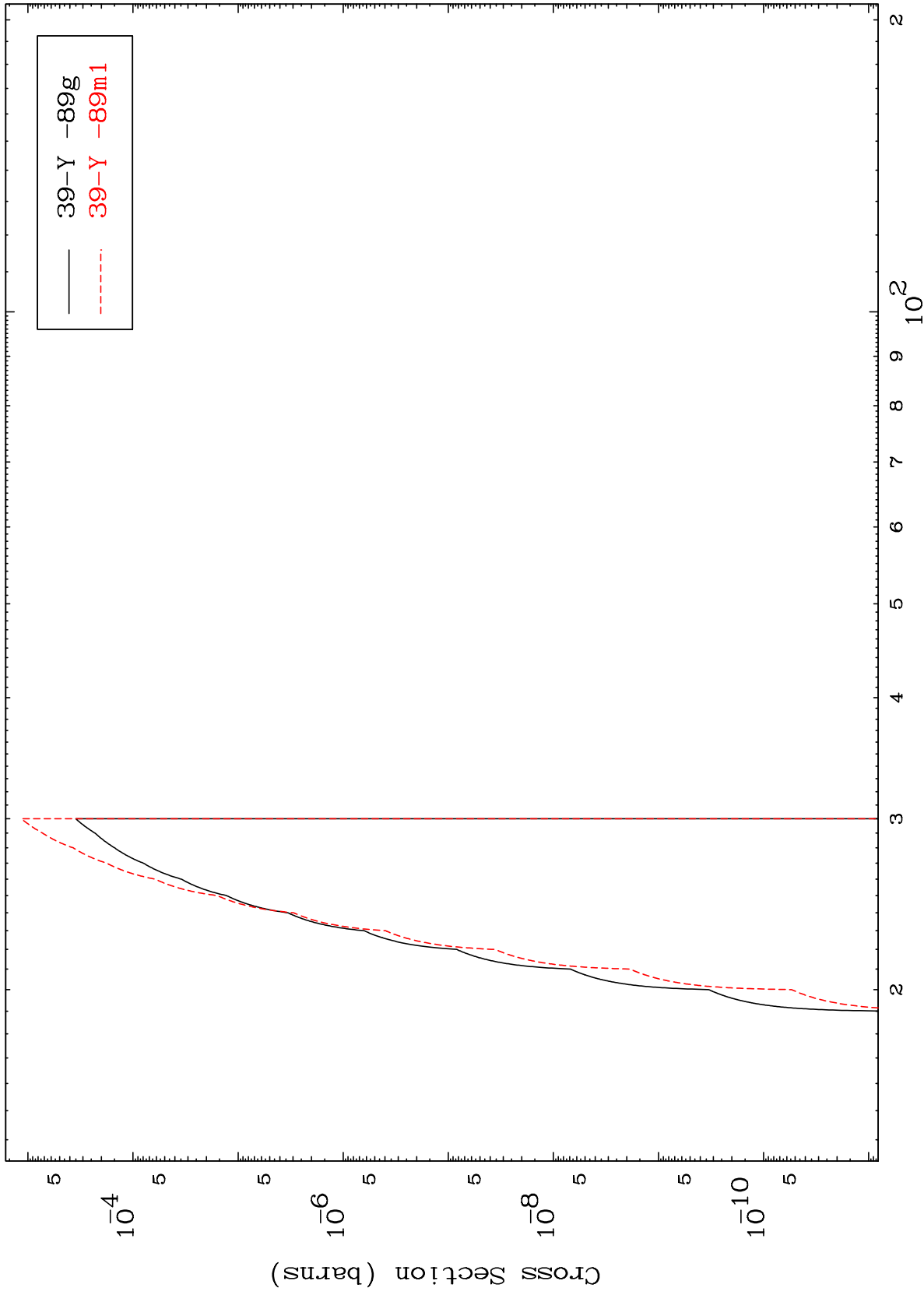


127

Incident Energy (MeV)

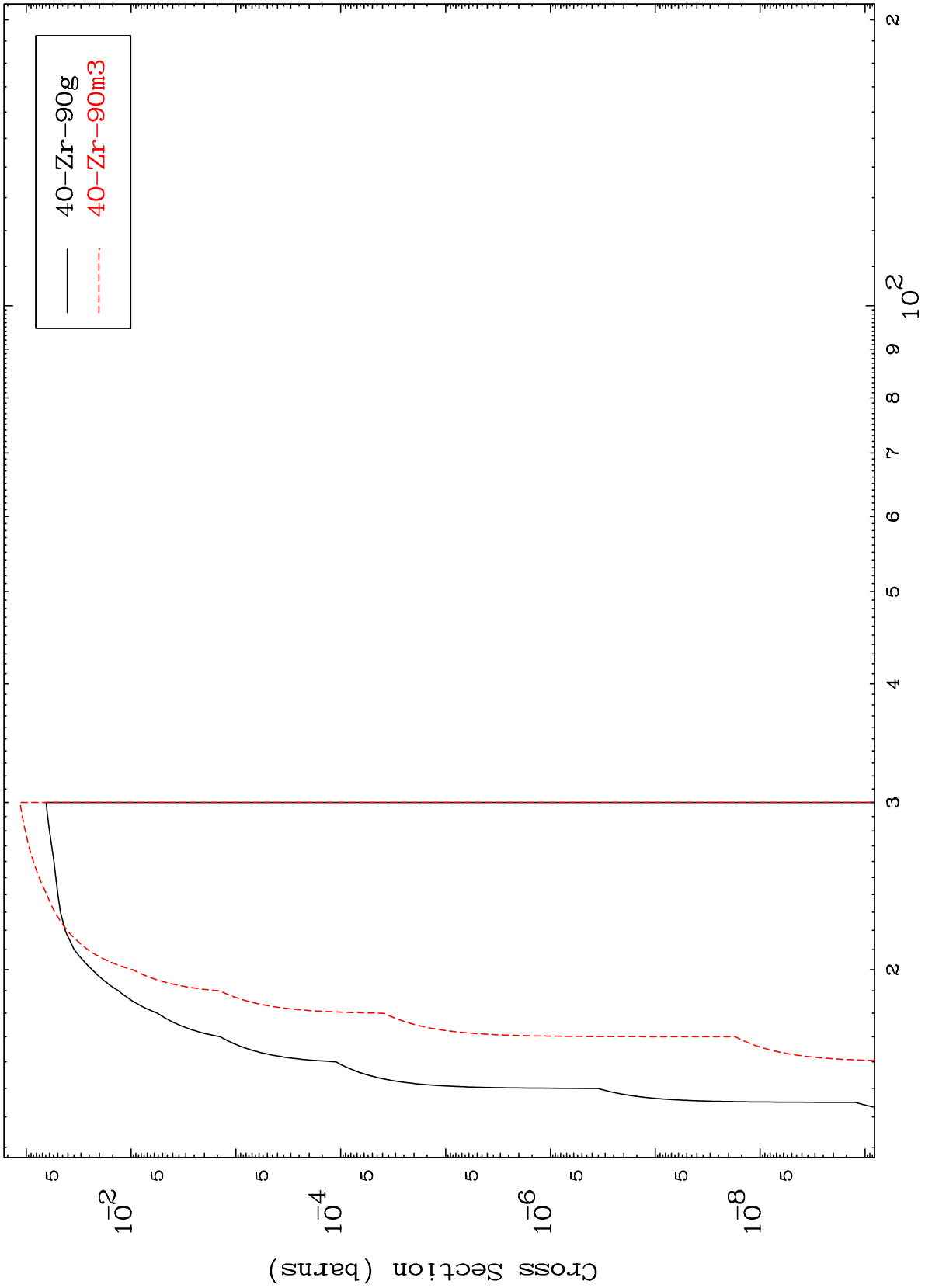
41-Nb-92

Radionuclide Production Cross Section



39-Y -89g
39-Y -89m1

Radionuclide Production Cross Section

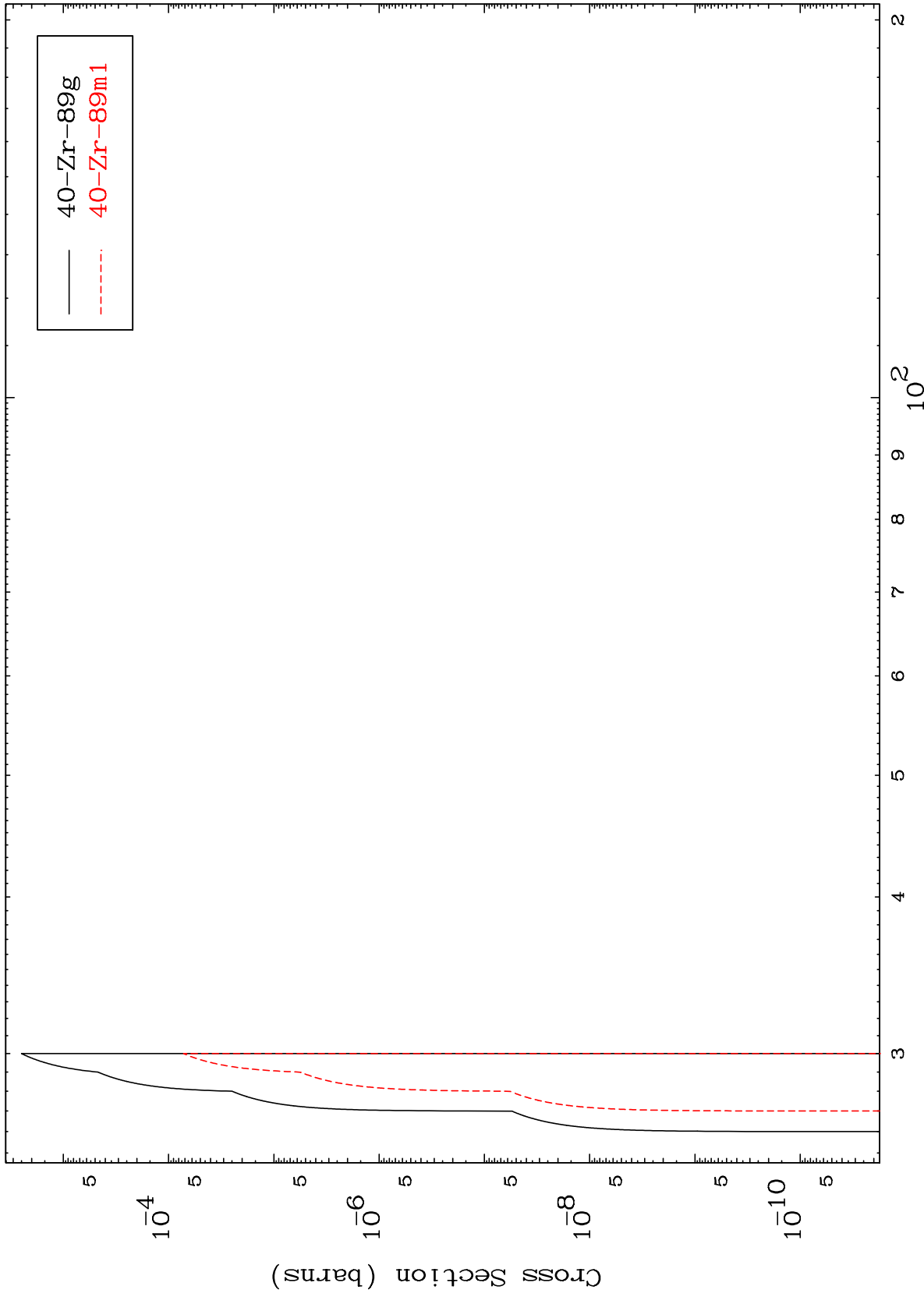


MAT 4122

(n,3n) p

41-Nb-92

Radionuclide Production Cross Section



130

Incident Energy (MeV)

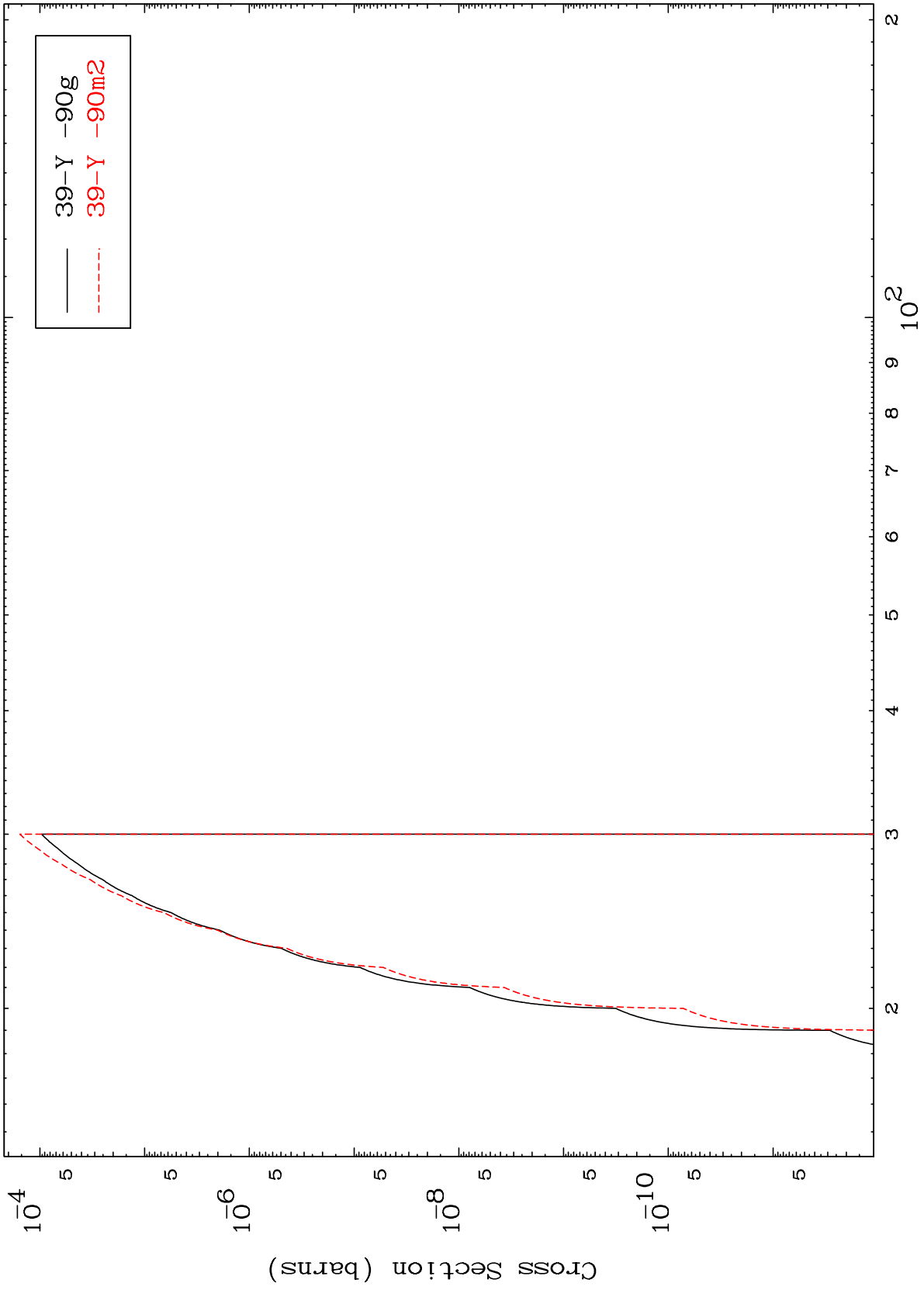
41-Nb-92

MAT 4122

(n,2n) p

41-Nb-92

Radionuclide Production Cross Section



131

Incident Energy (MeV)

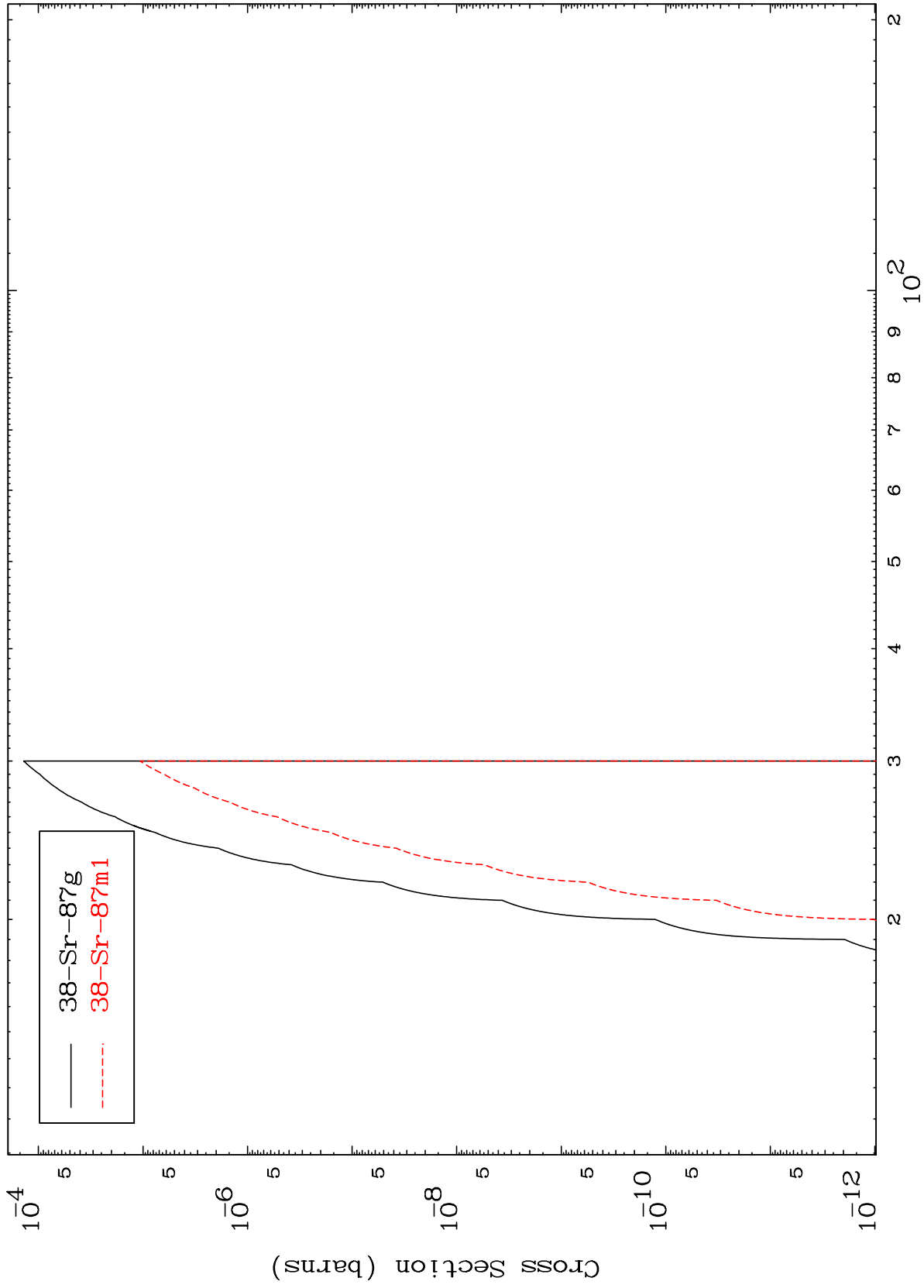
41-Nb-92

MAT 4122

(n,n') p α

41-Nb-92

Radionuclide Production Cross Section



132

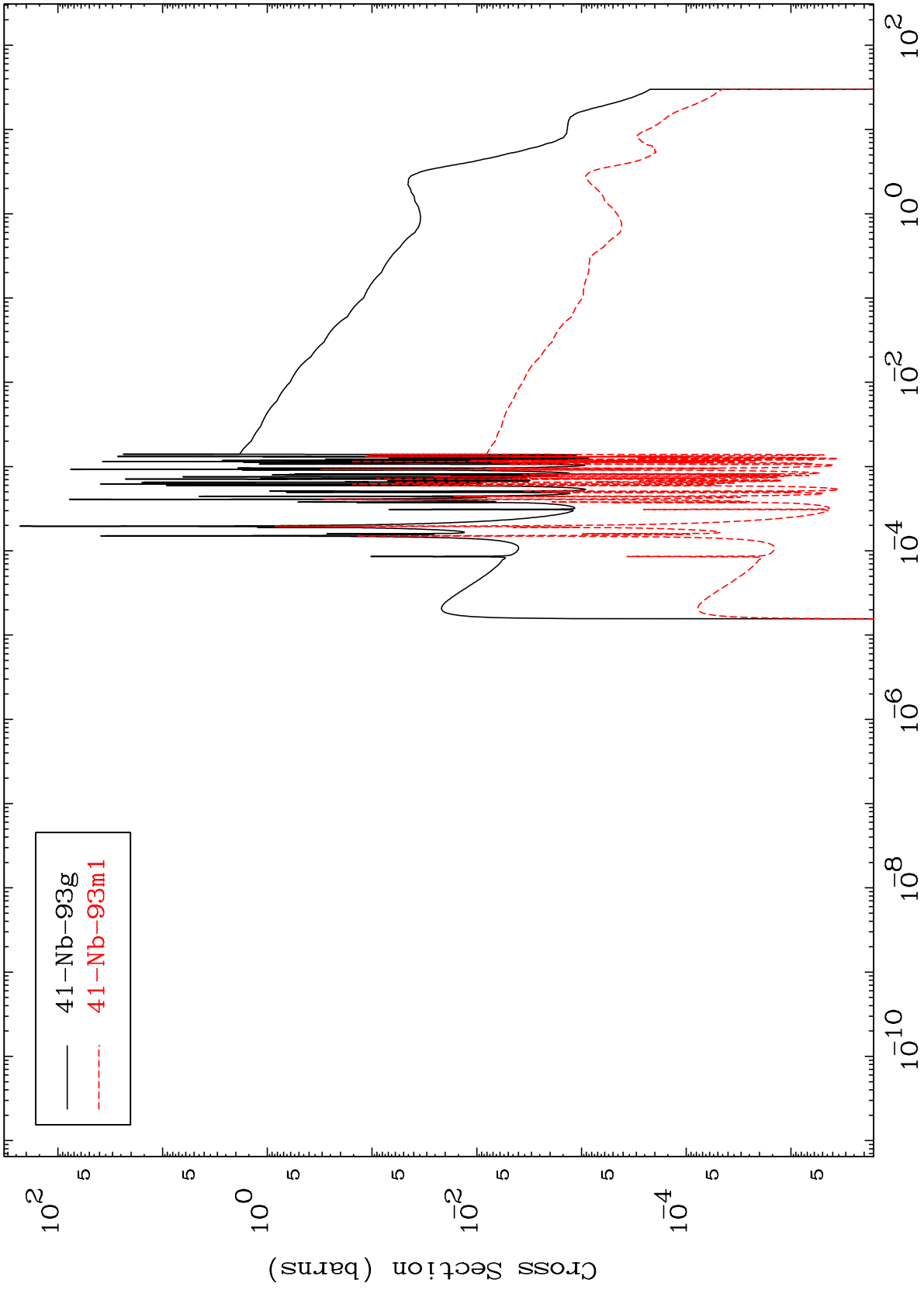
Incident Energy (MeV)

41-Nb-92

MAT 4122

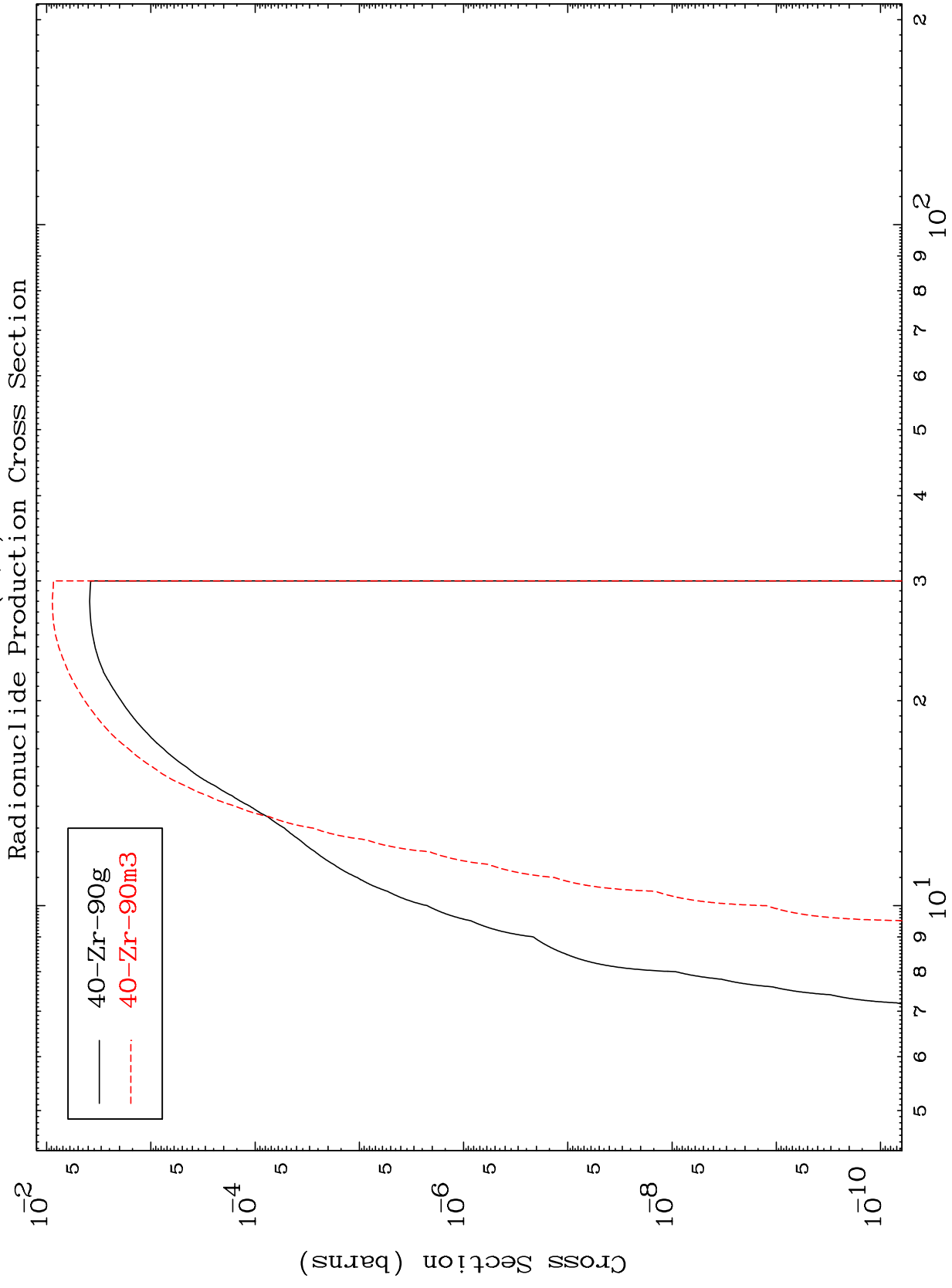
41-Nb-92

(n,γ)
Radionuclide Production Cross Section



MAT 4122

41-Nb-92



134

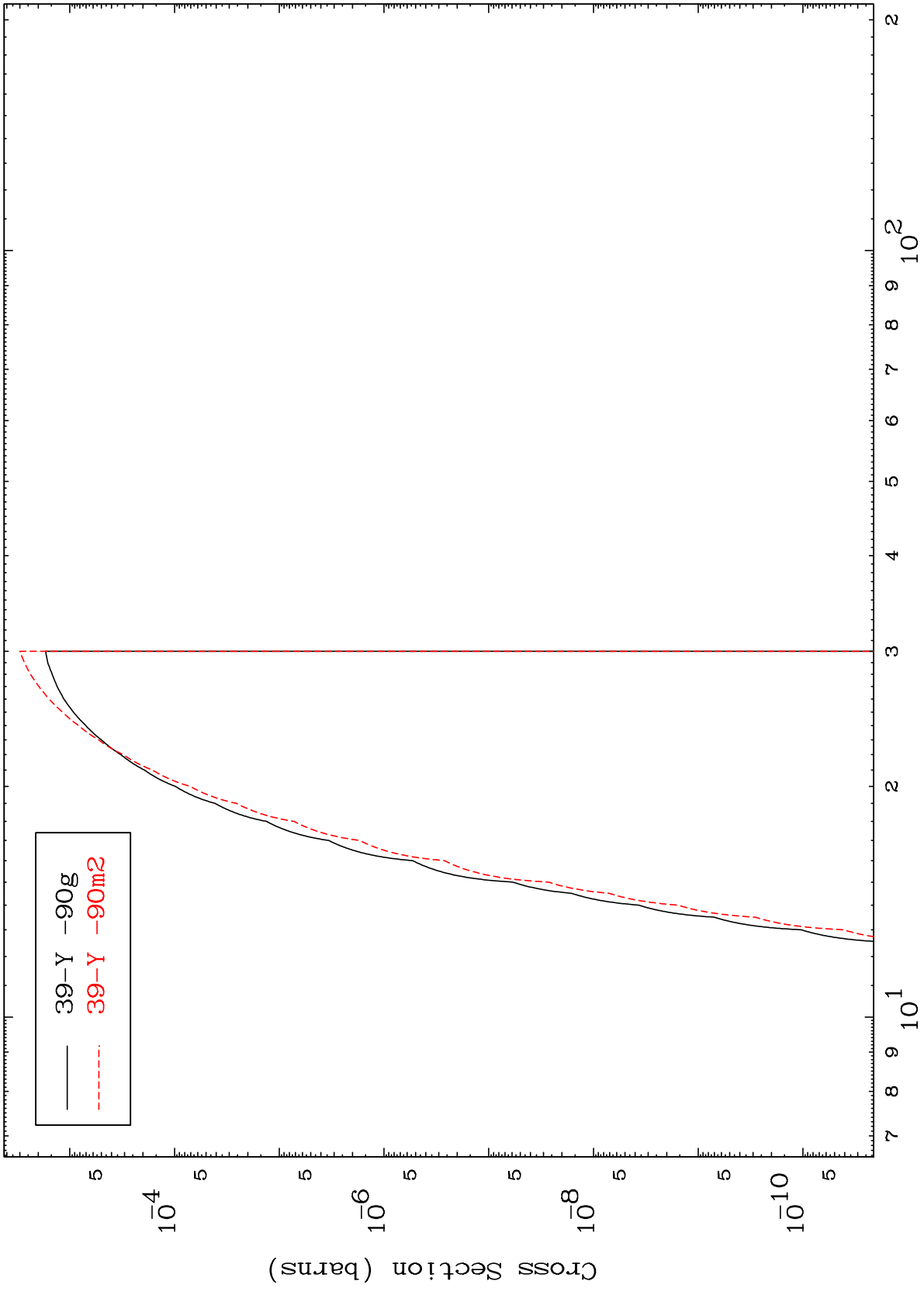
41-Nb-92

MAT 4122

(n, He-3)

41-Nb-92

Radionuclide Production Cross Section



135

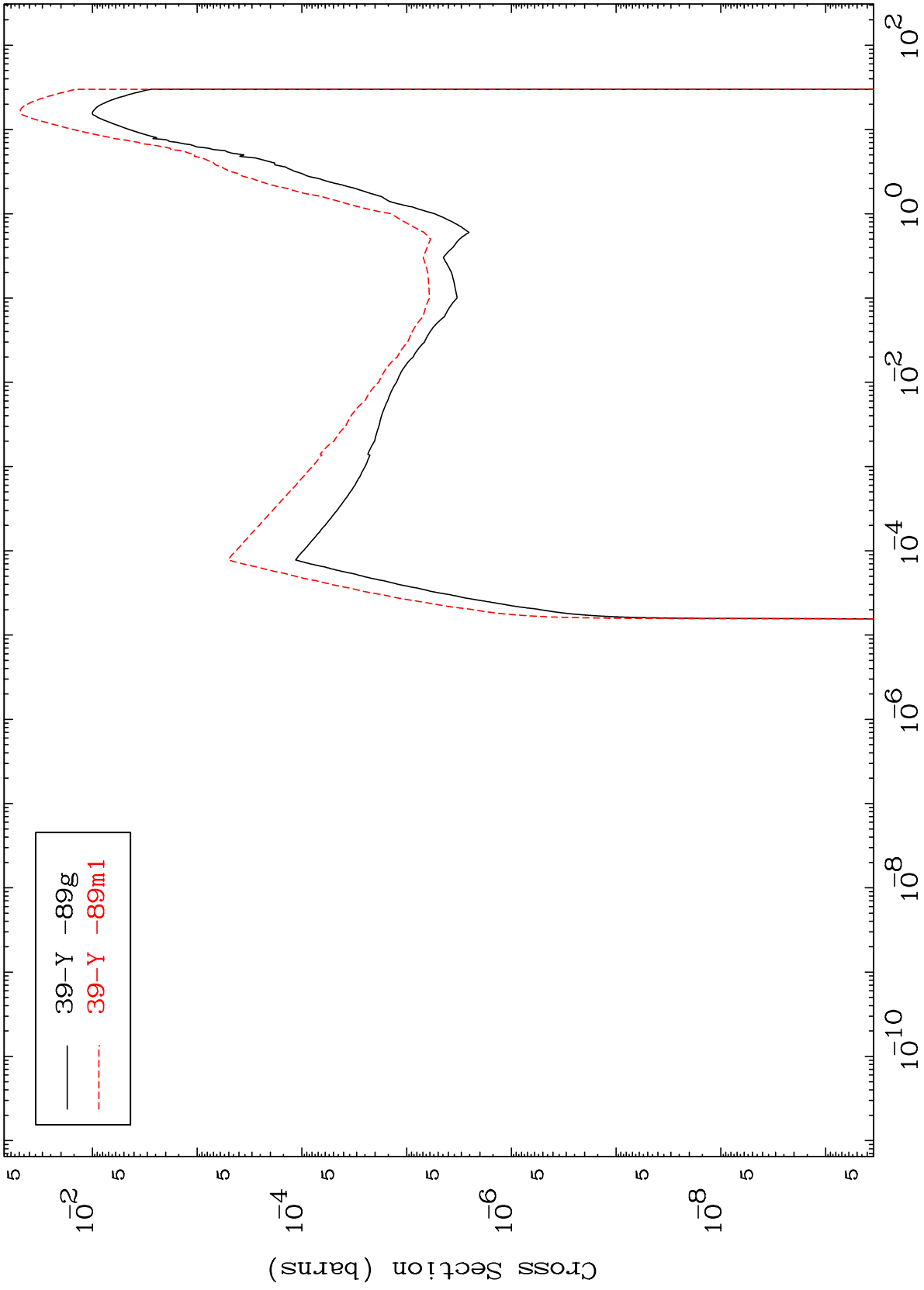
Incident Energy (MeV)

41-Nb-92

MAT 4122

Radionuclide Production Cross Section
(n, α)

41-Nb-92

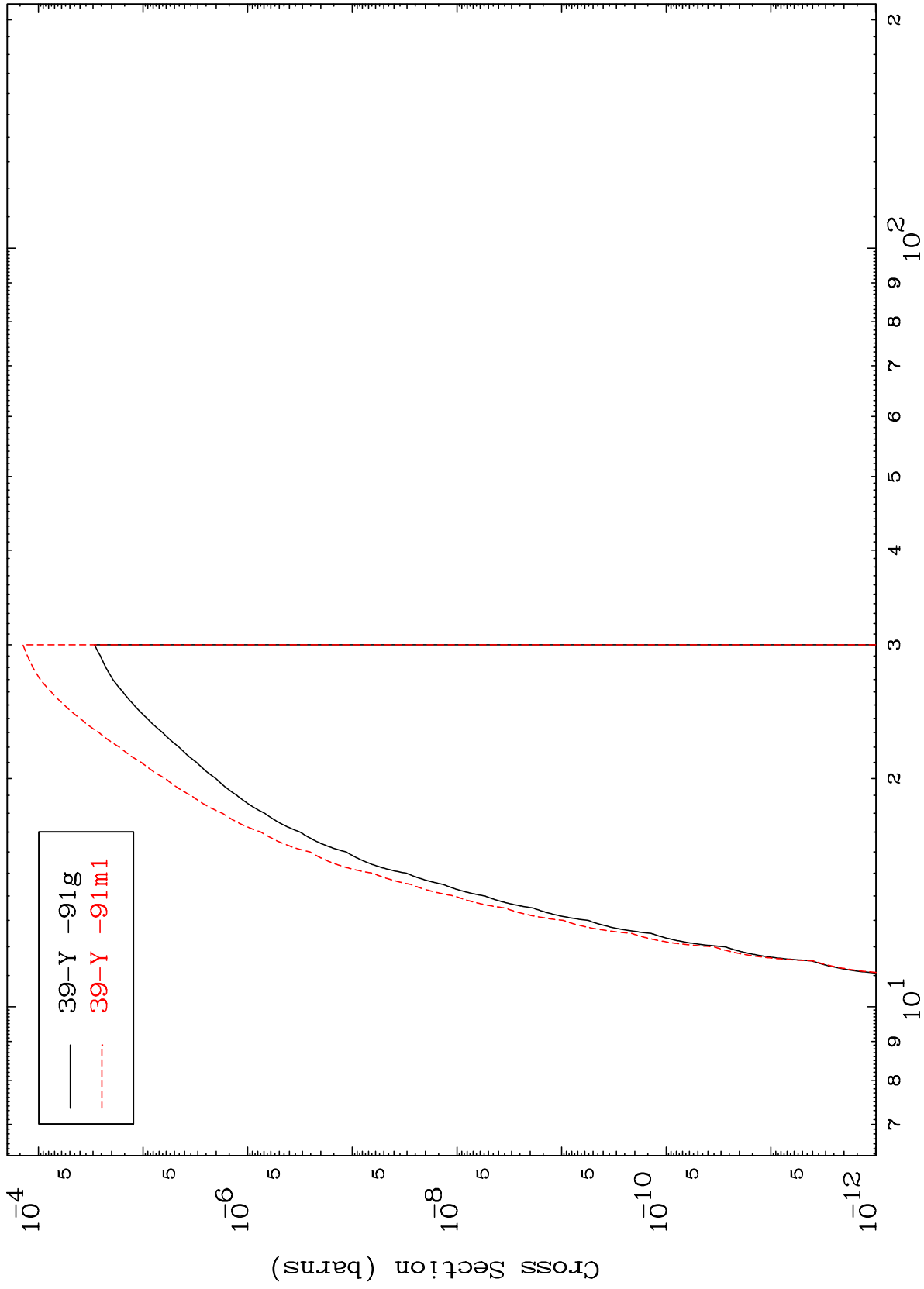


39-Y -89g
39-Y -89m1

MAT 4122

41-Nb-92

Radionuclide Production Cross Section
(n,2p)



137

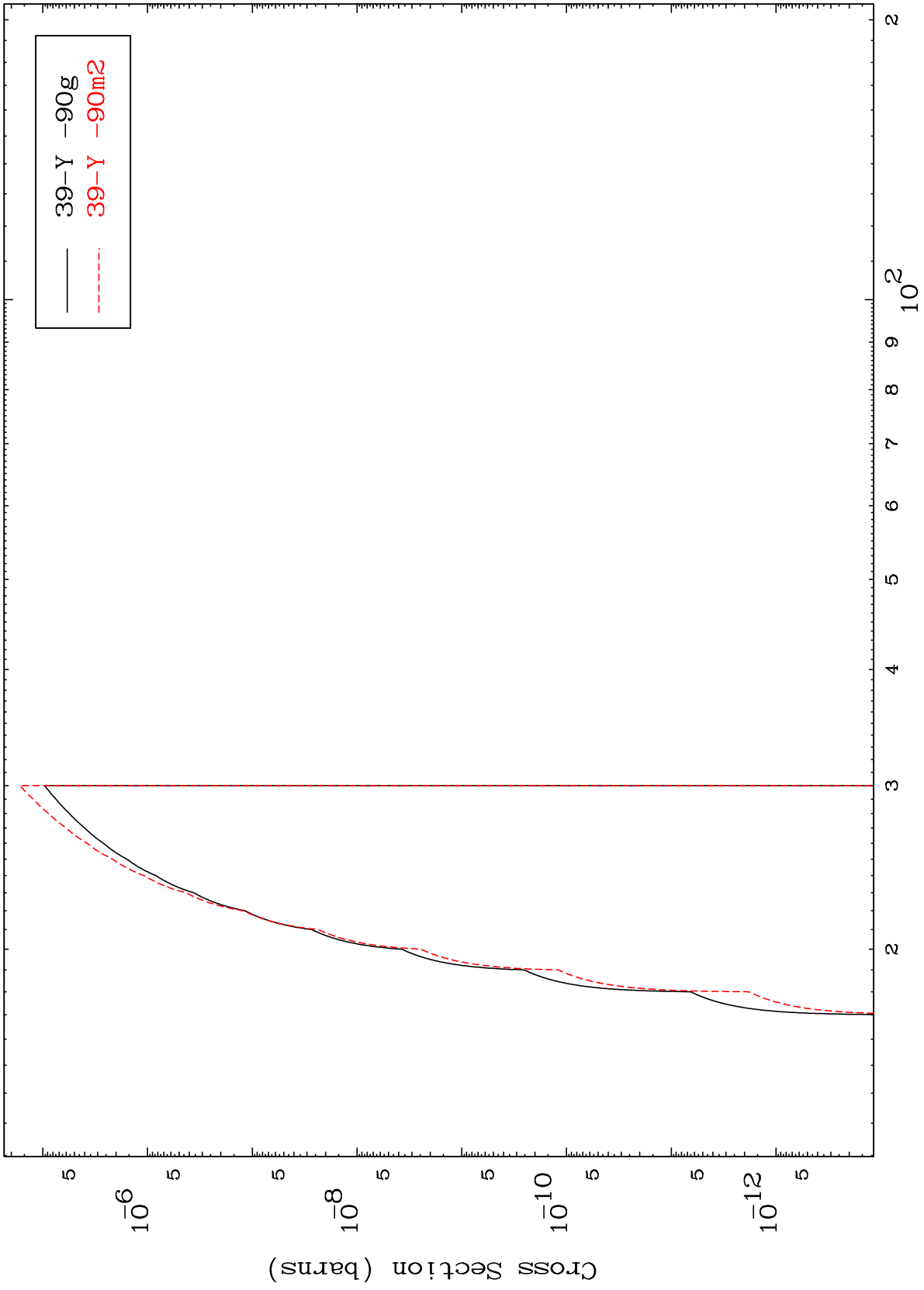
41-Nb-92

MAT 4122

(n,p) d

41-Nb-92

Radionuclide Production Cross Section



138

Incident Energy (MeV)

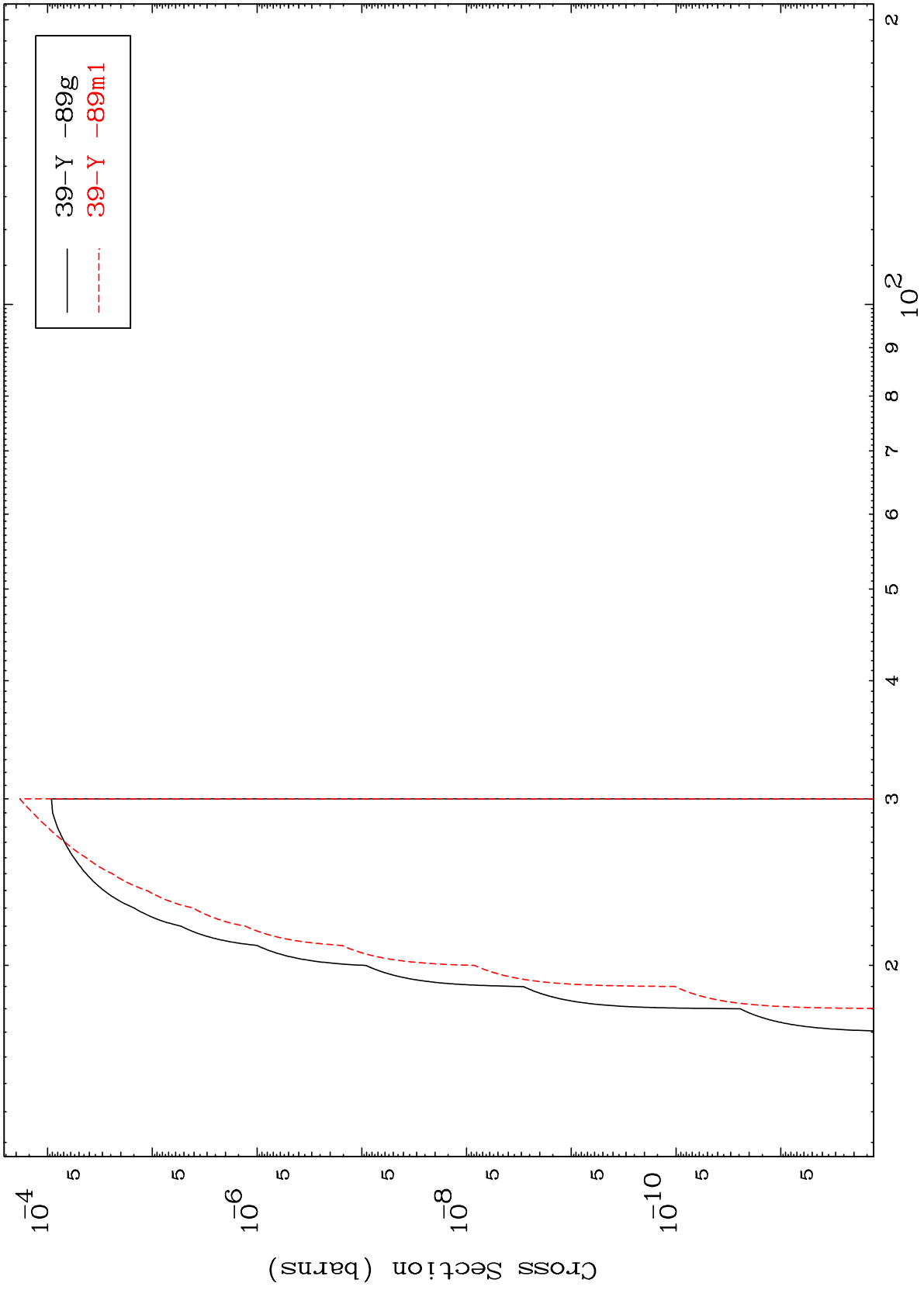
41-Nb-92

MAT 4122

(n,p) t

41-Nb-92

Radionuclide Production Cross Section



139

Incident Energy (MeV)

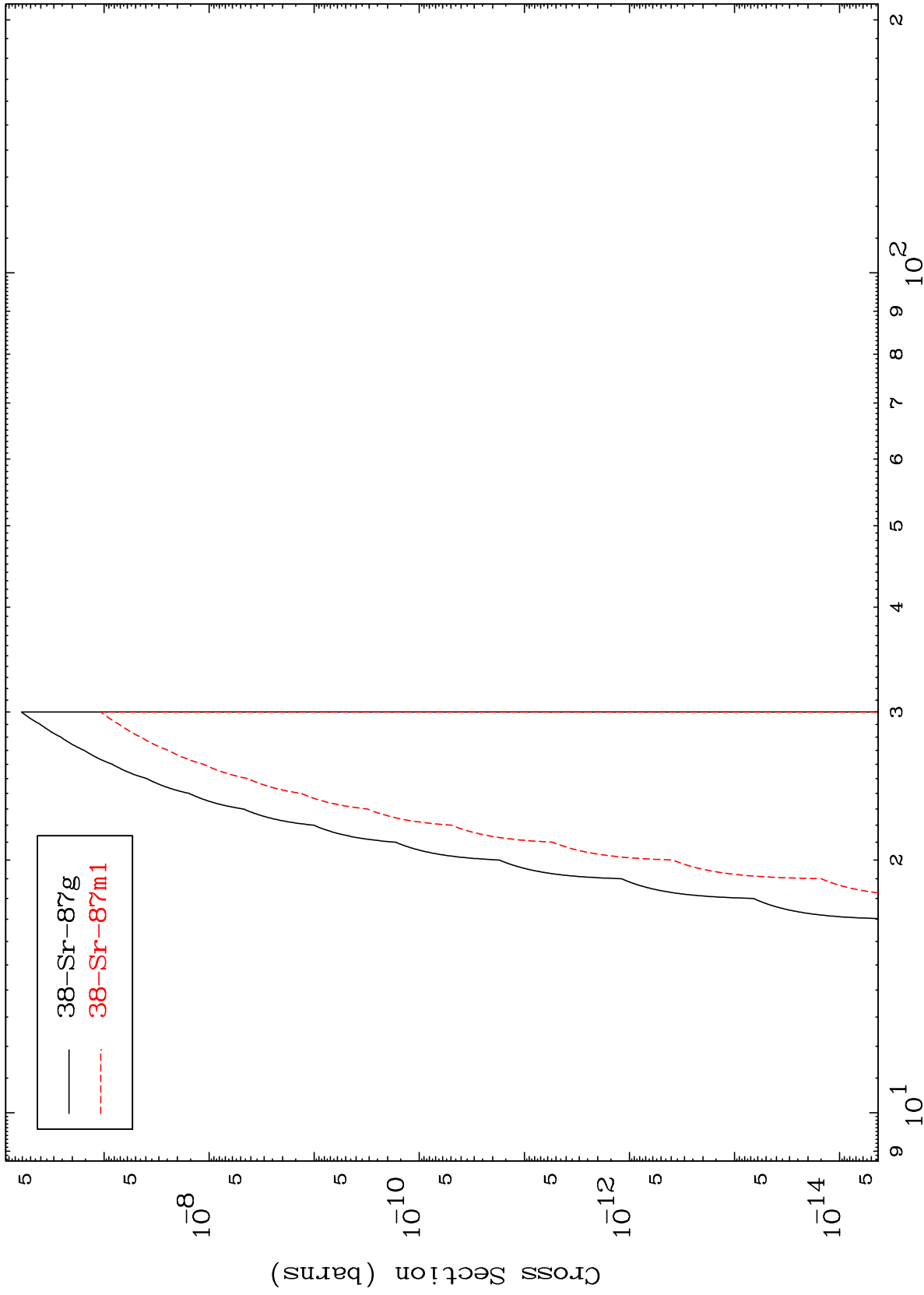
41-Nb-92

MAT 4122

(n,d) α

41-Nb-92

Radionuclide Production Cross Section



140

Incident Energy (MeV)

41-Nb-92