

Program EVALPLOT
(Version 2018-1)

by

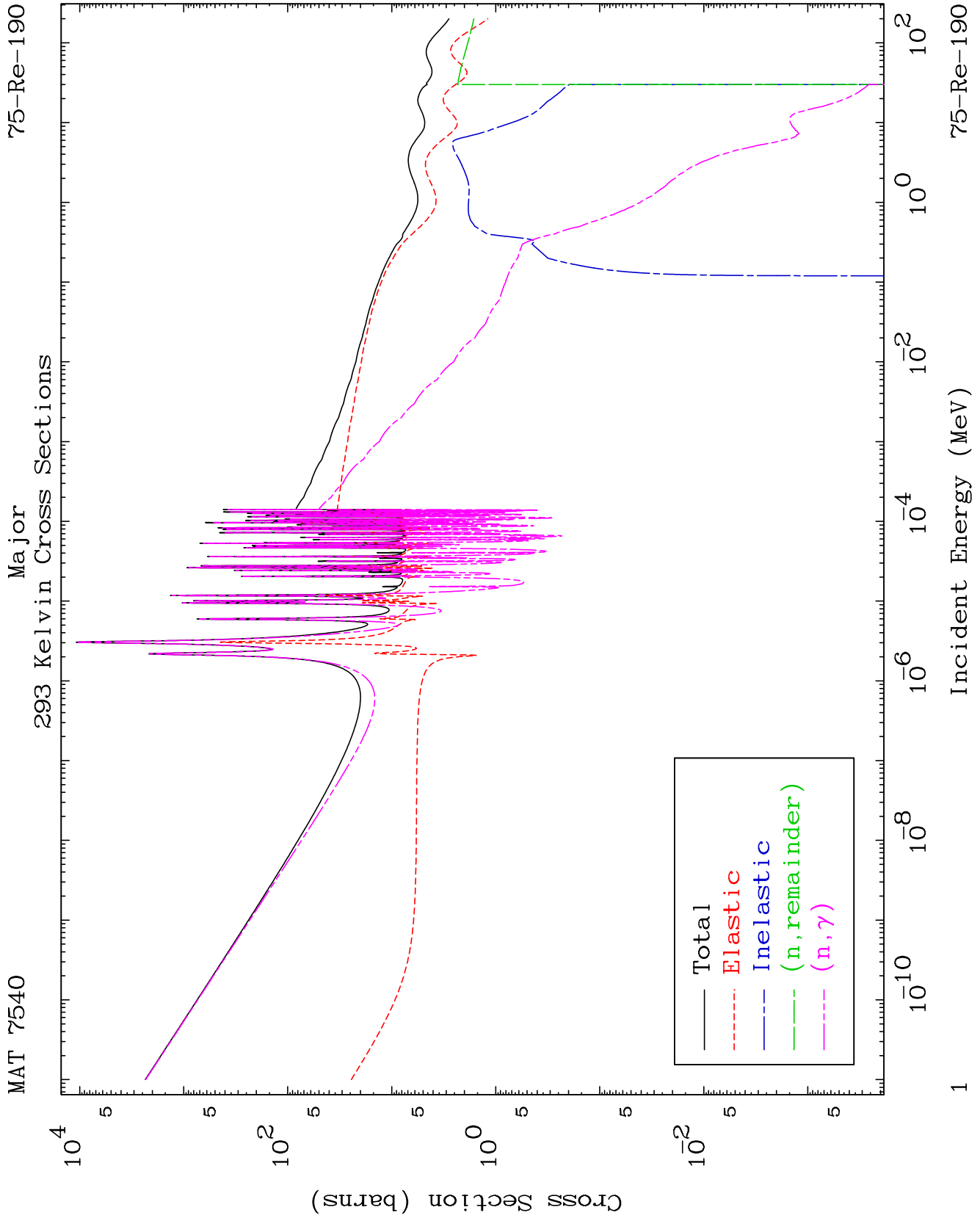
Dermott E. Cullen
(Present Contact Information)

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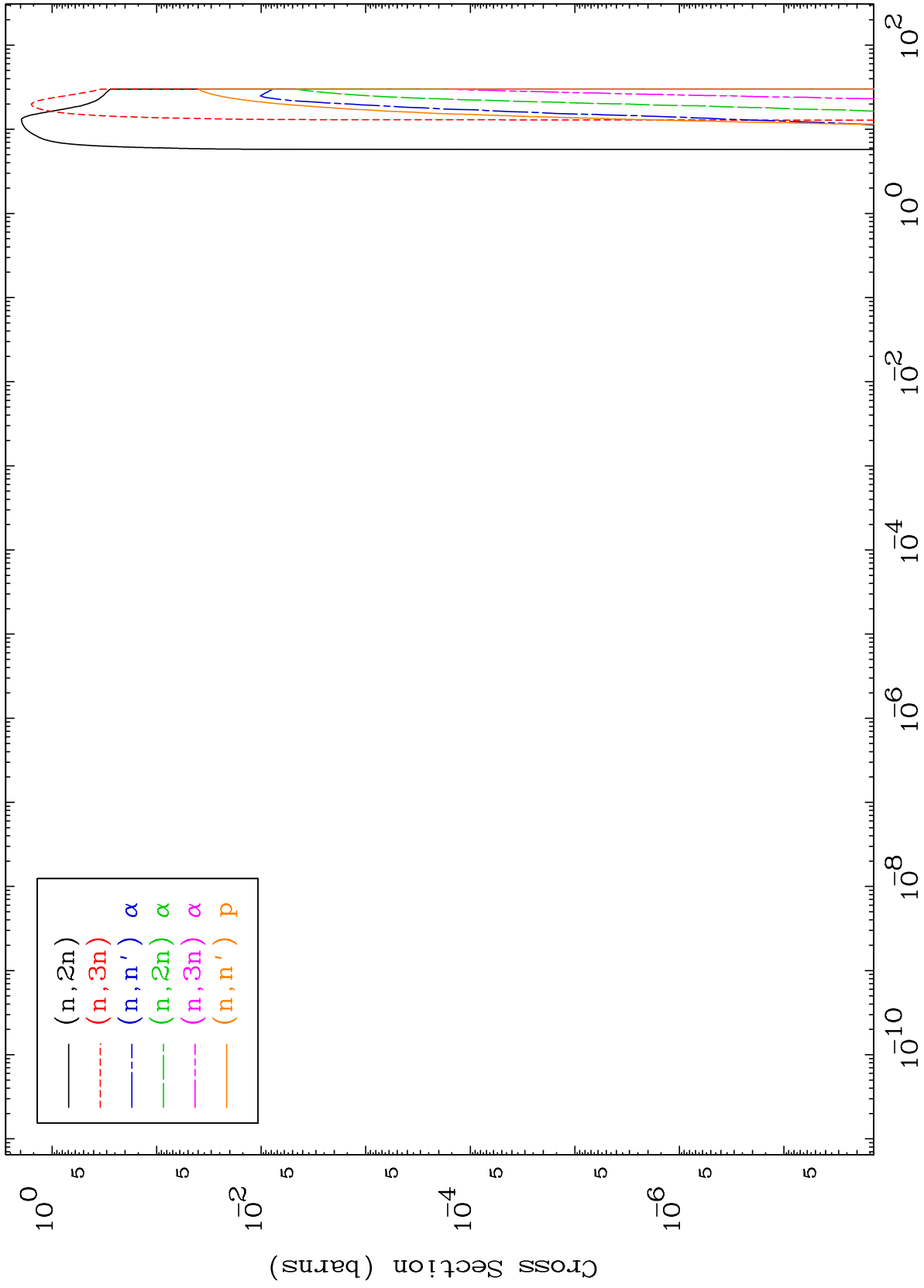
Press Mouse Button to Start



MAT 7540

Neutron Production
293 Kelvin Cross Sections

75-Re-190



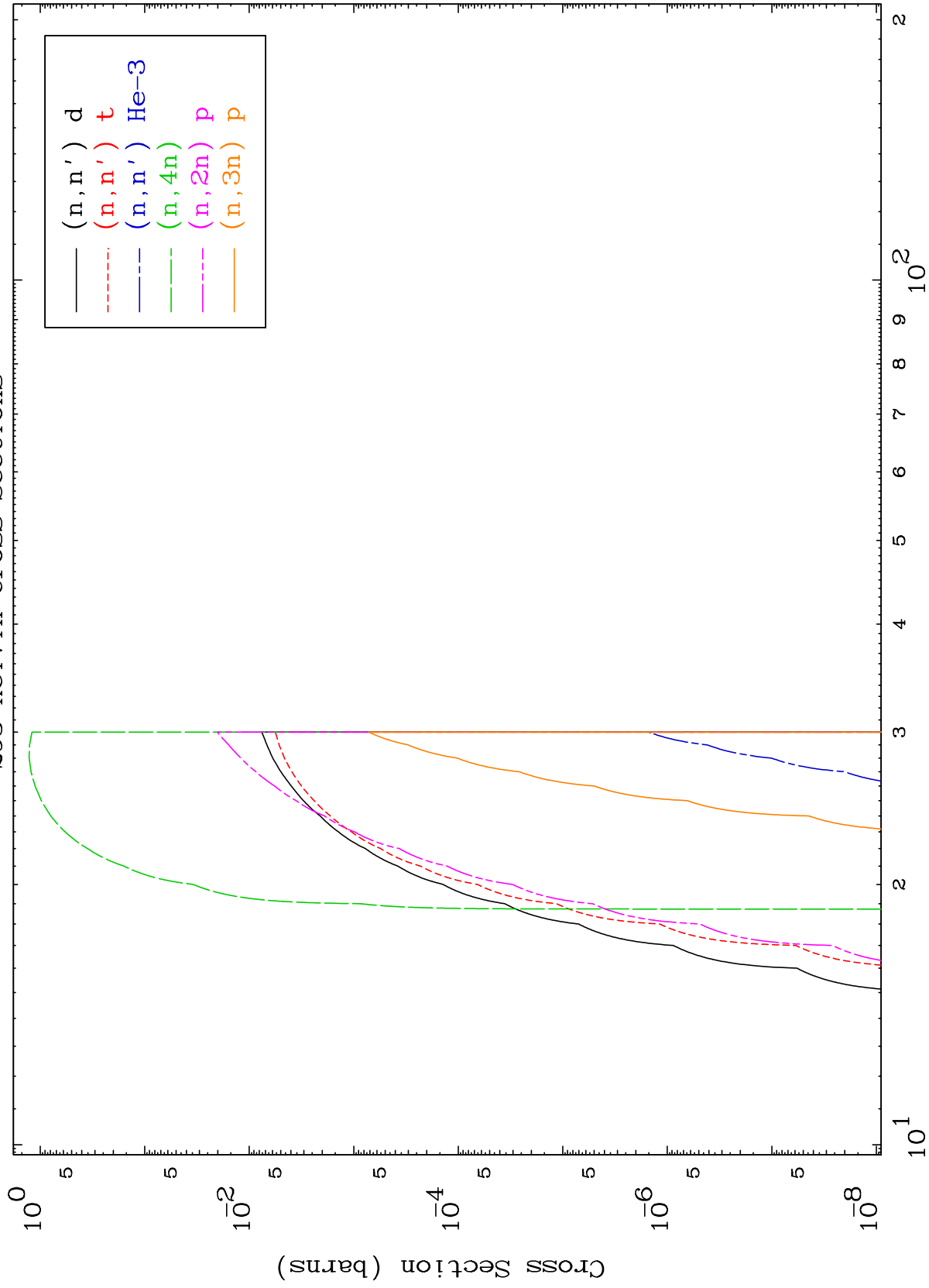
2

75-Re-190

MAT 7540

Neutron Production
293 Kelvin Cross Sections

75-Re-190



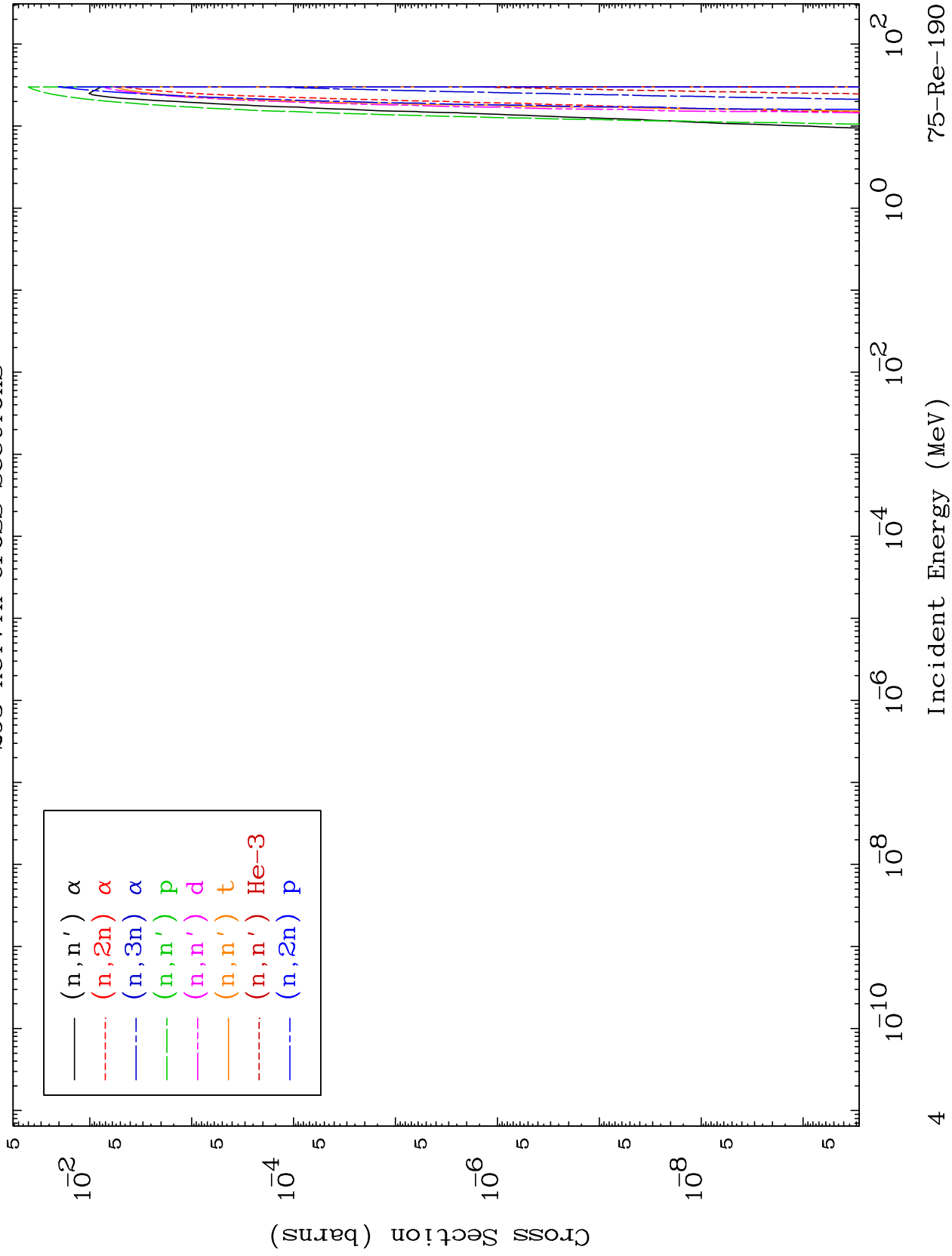
Incident Energy (MeV)

75-Re-190

MAT 7540

293 Charged Particle
Kelvin Cross Sections

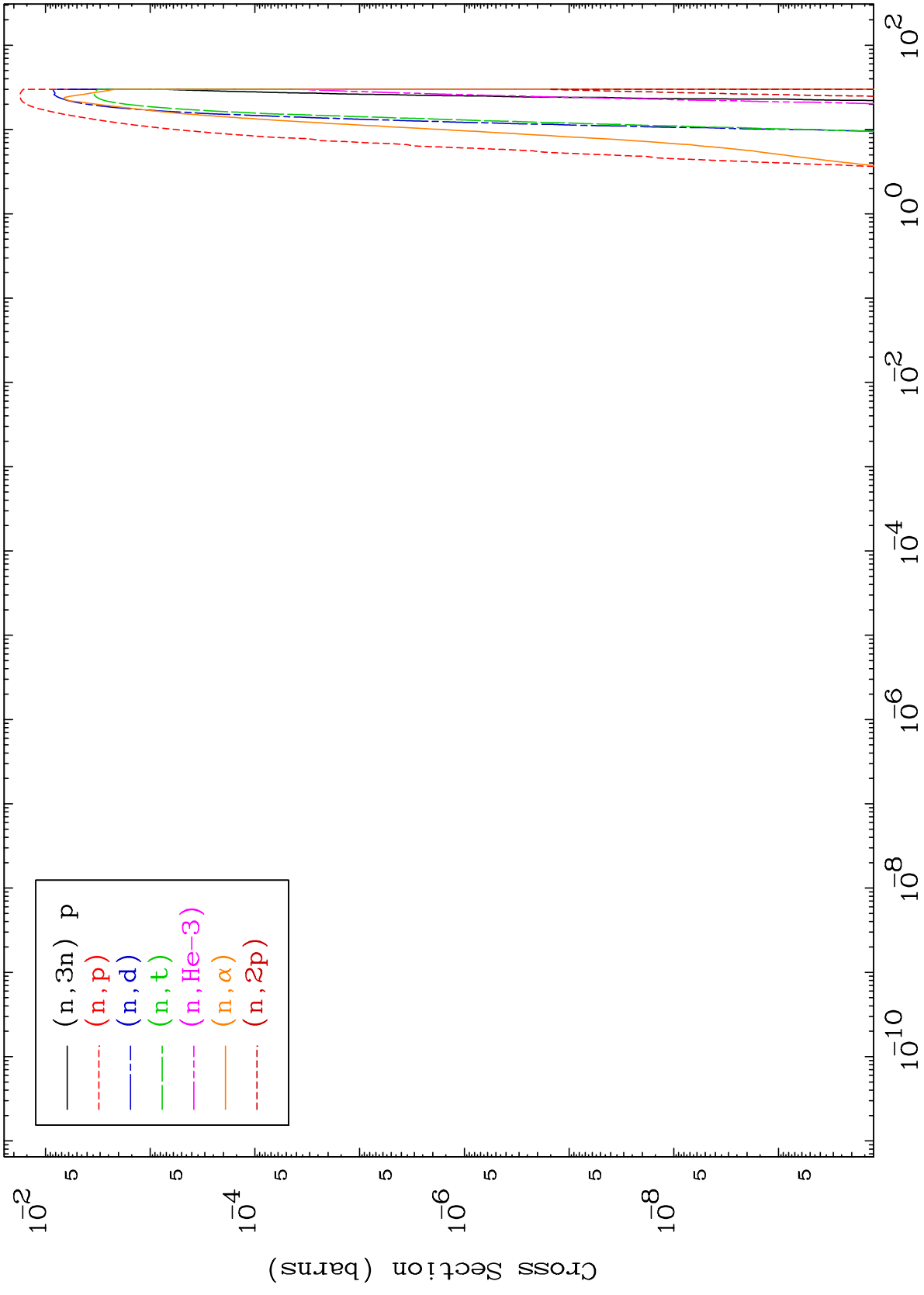
75-Re-190



MAT 7540

293 Kelvin Cross Sections

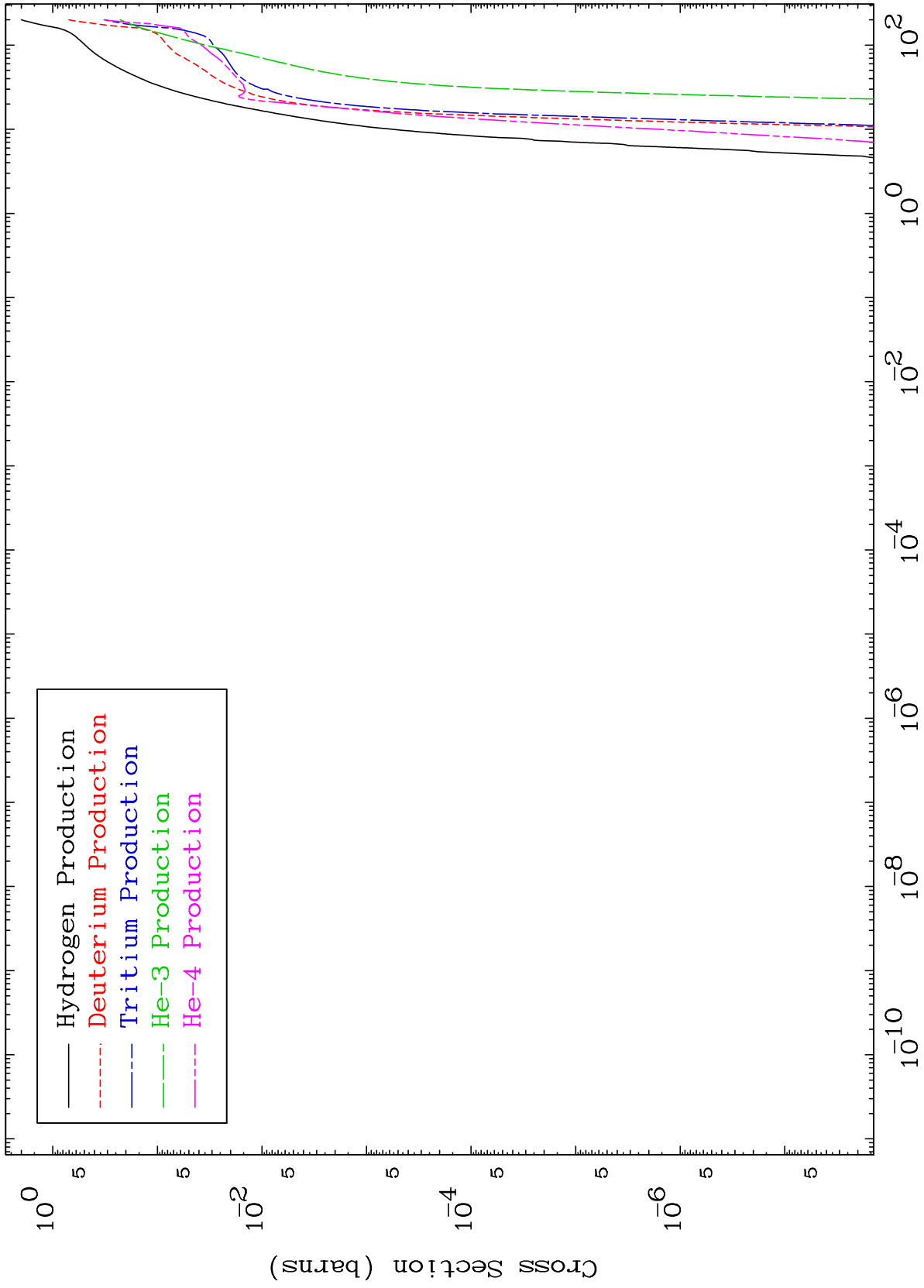
75-Re-190



MAT 7540

Particle Production
293 Kelvin Cross Sections

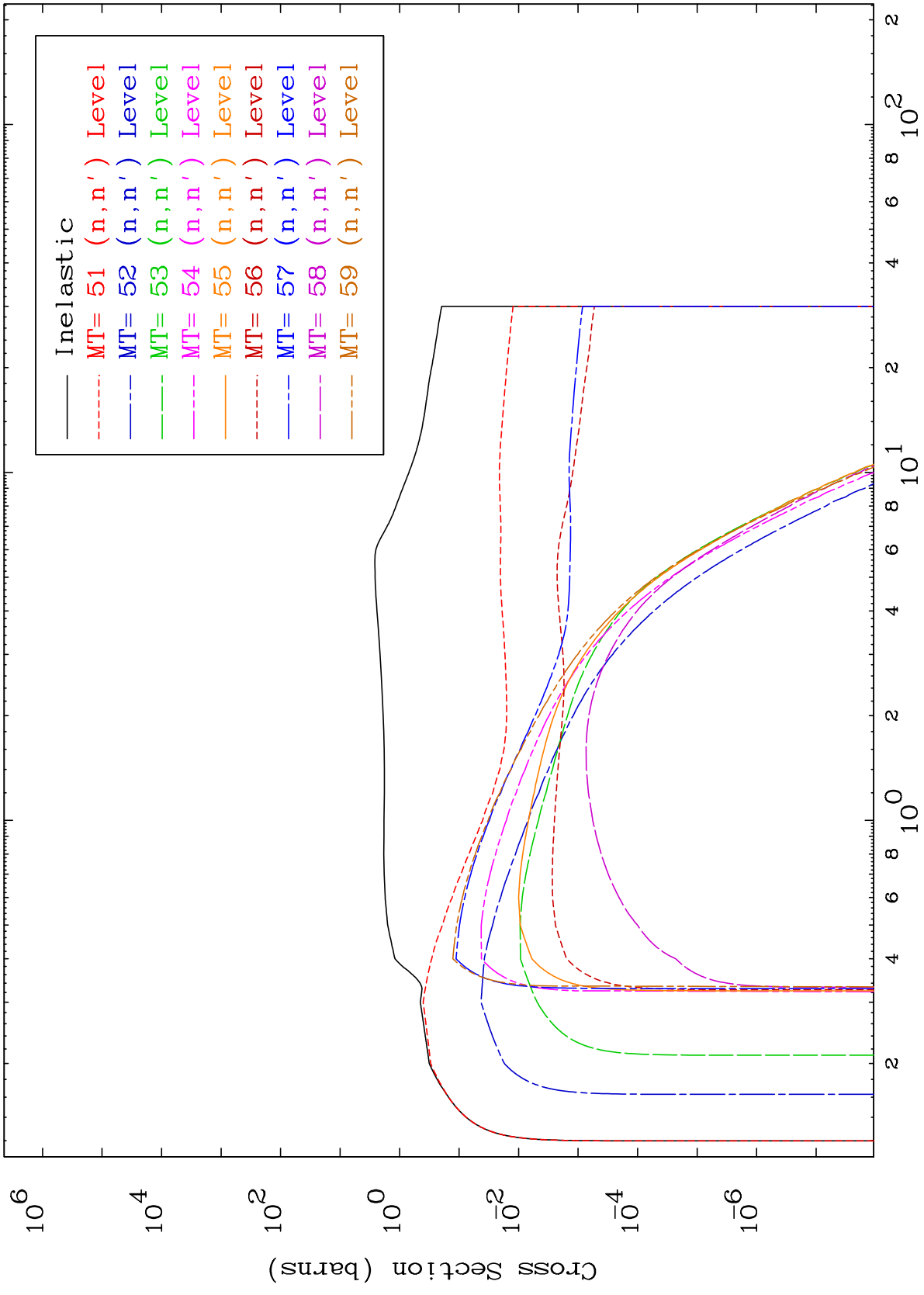
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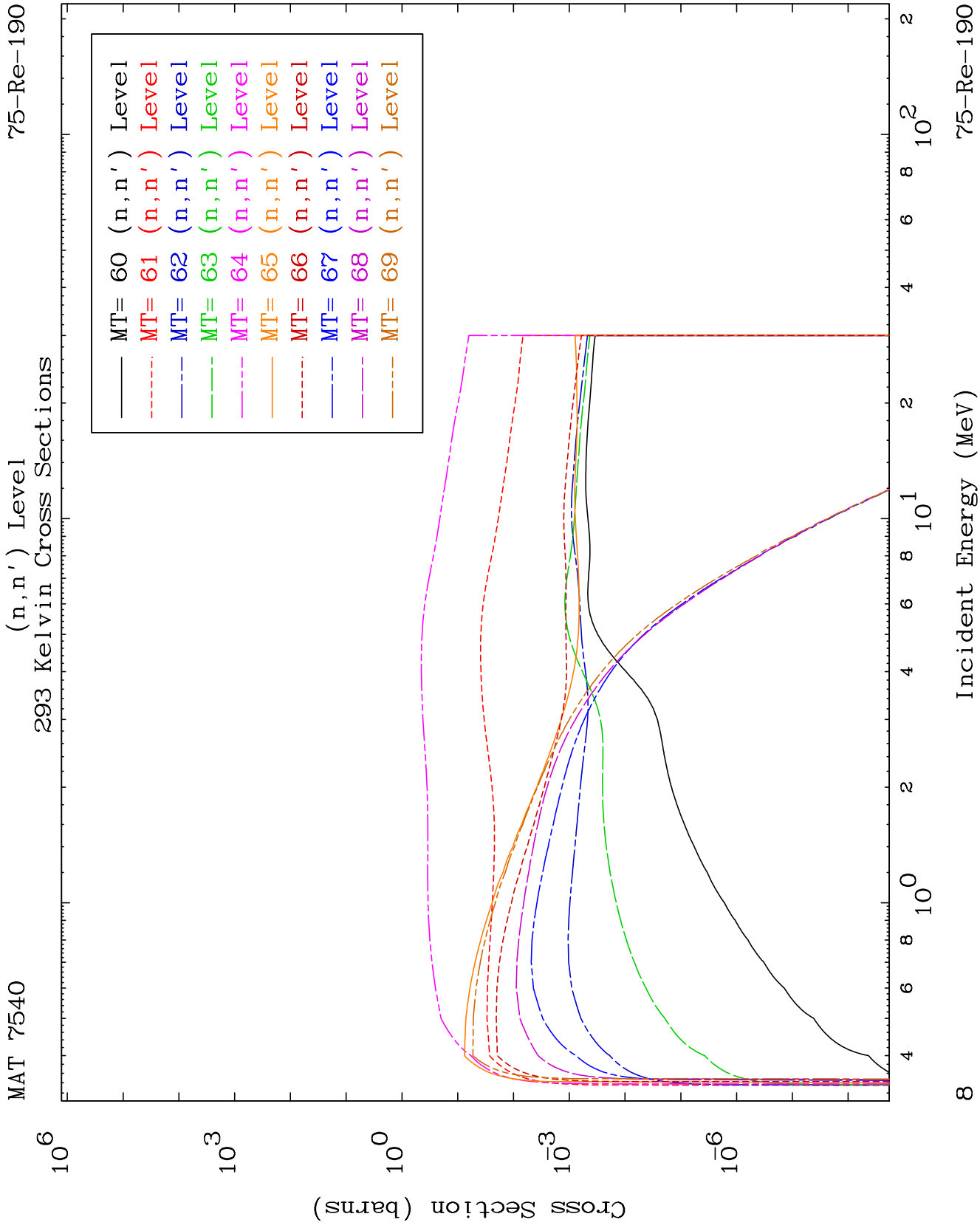


MAT 7540

(n,n') Level
293 Kelvin Cross Sections

75-Re-190

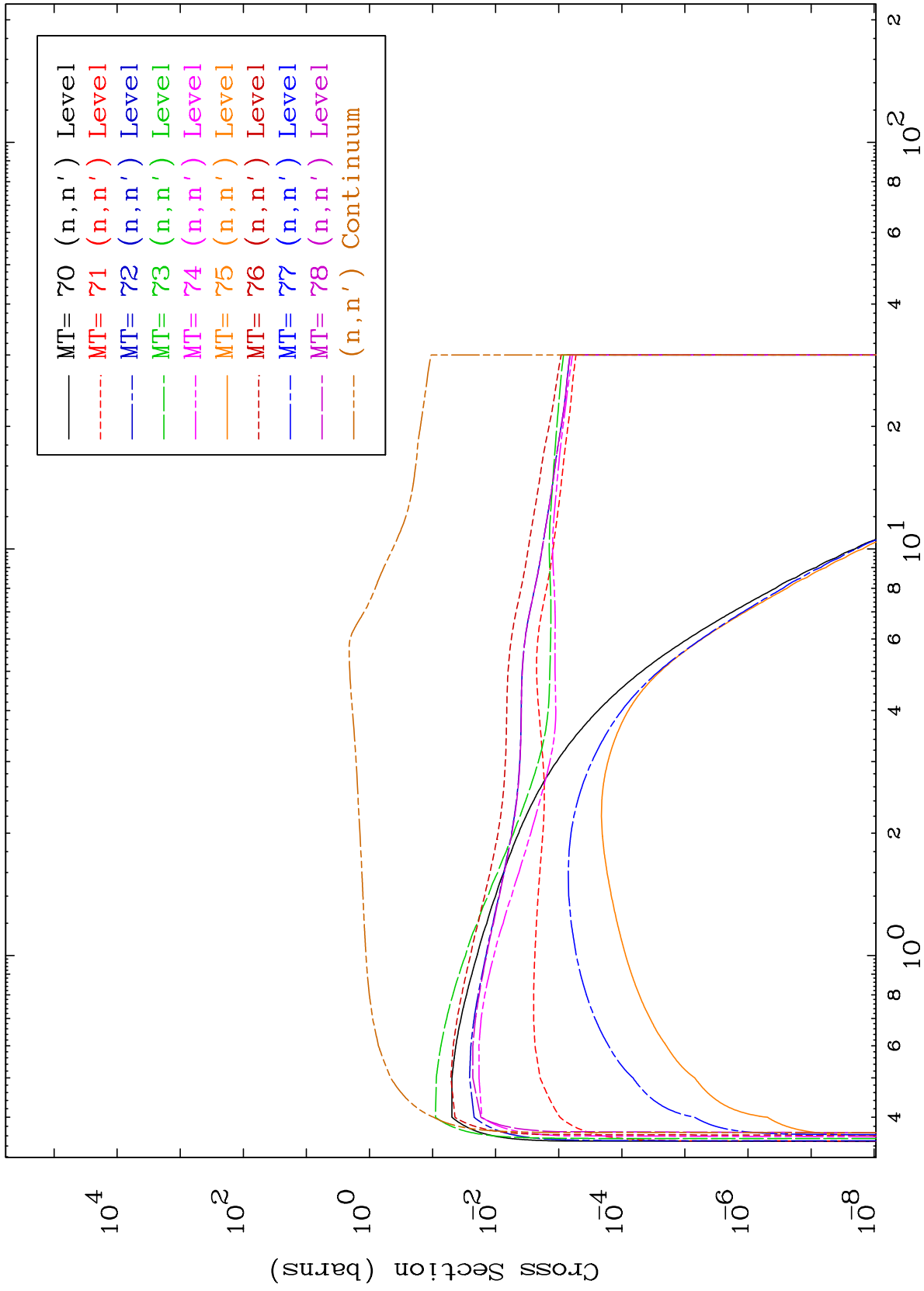




MAT 7540

(n,n') Level
293 Kelvin Cross Sections

75-Re-190



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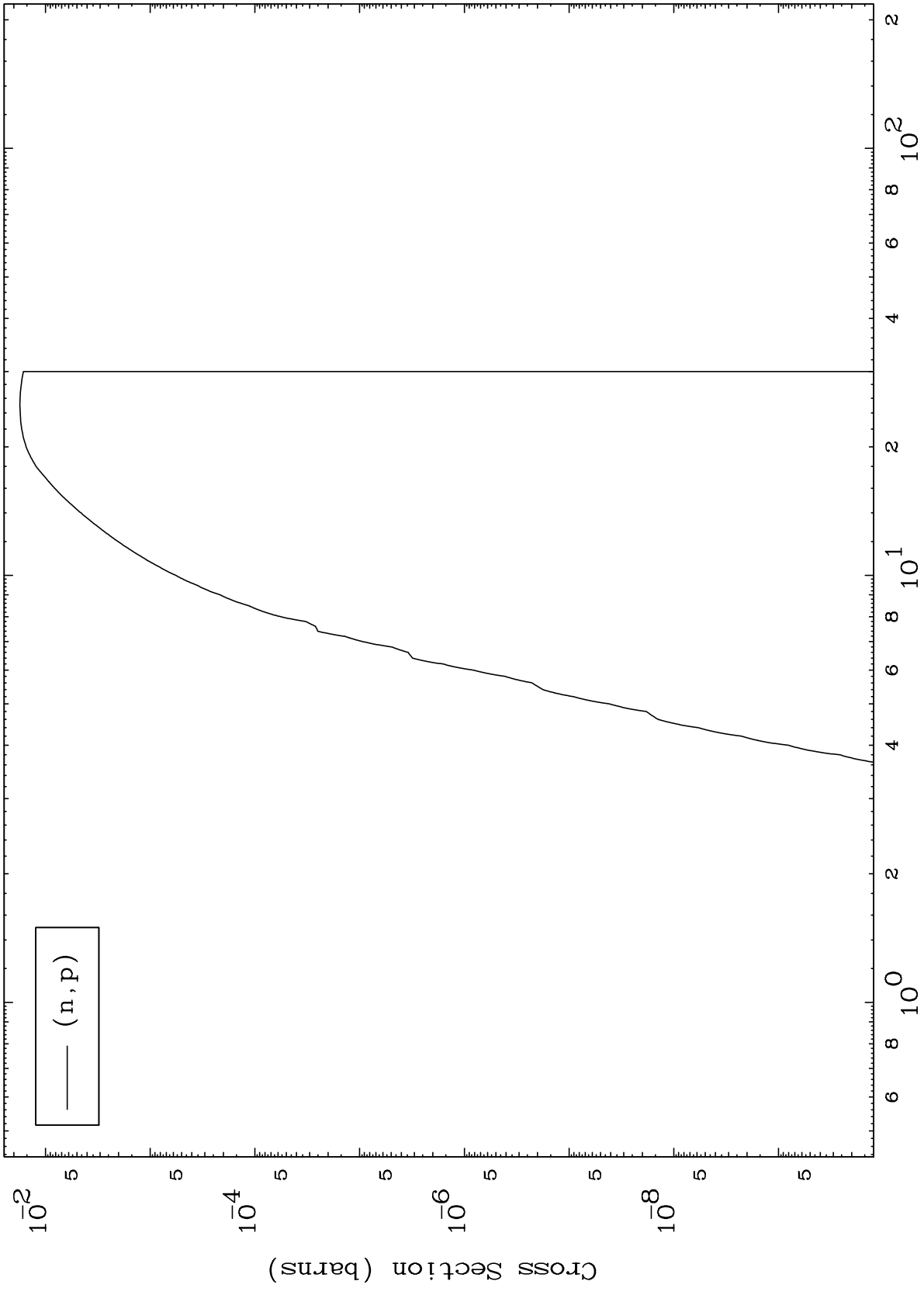
Incident Energy (MeV)

75-Re-190

MAT 7540

(n,p) Levels
293 Kelvin Cross Sections

75-Re-190



10

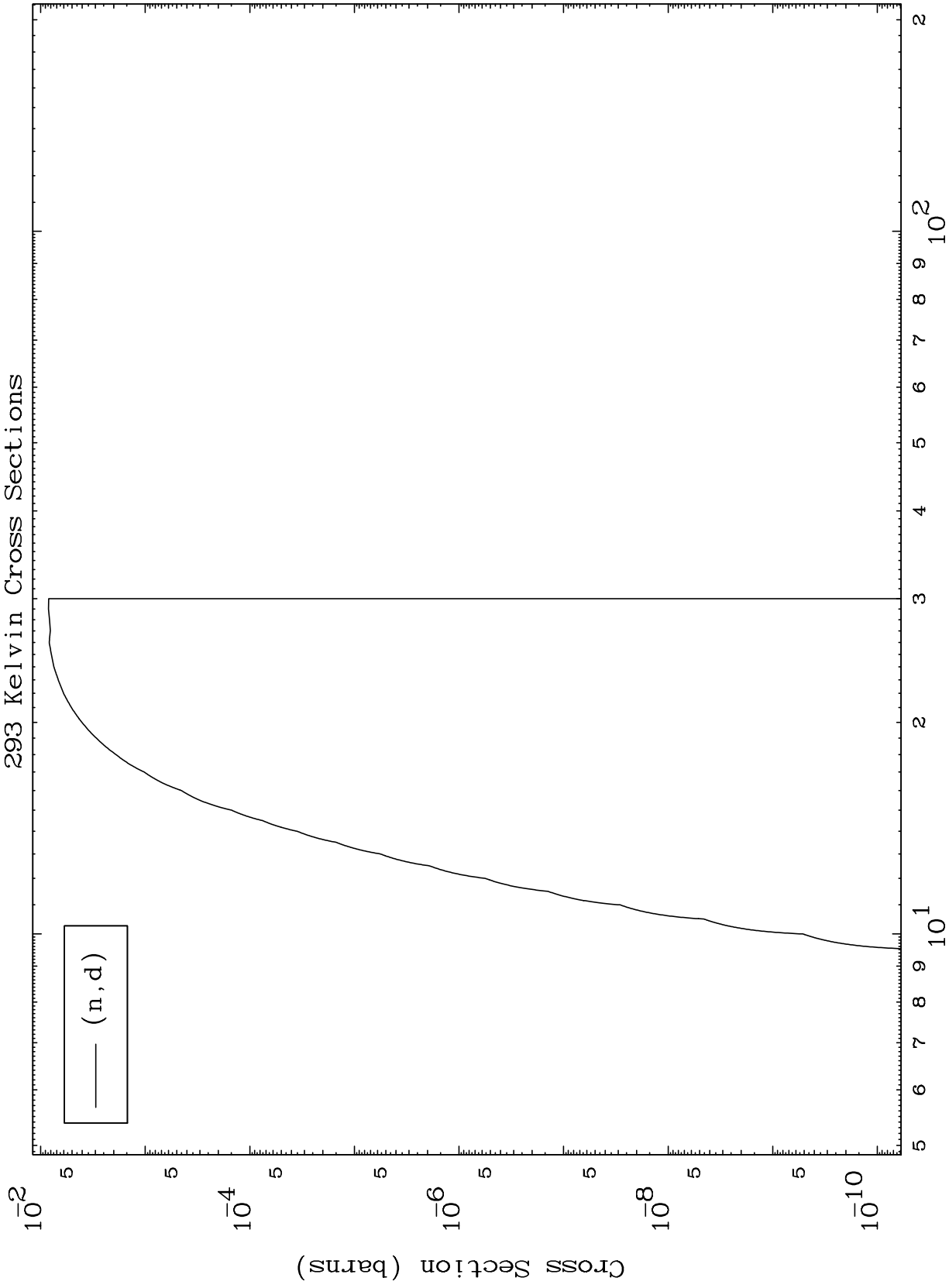
Incident Energy (MeV)

75-Re-190

MAT 7540

(n,d) Levels
293 Kelvin Cross Sections

75-Re-190



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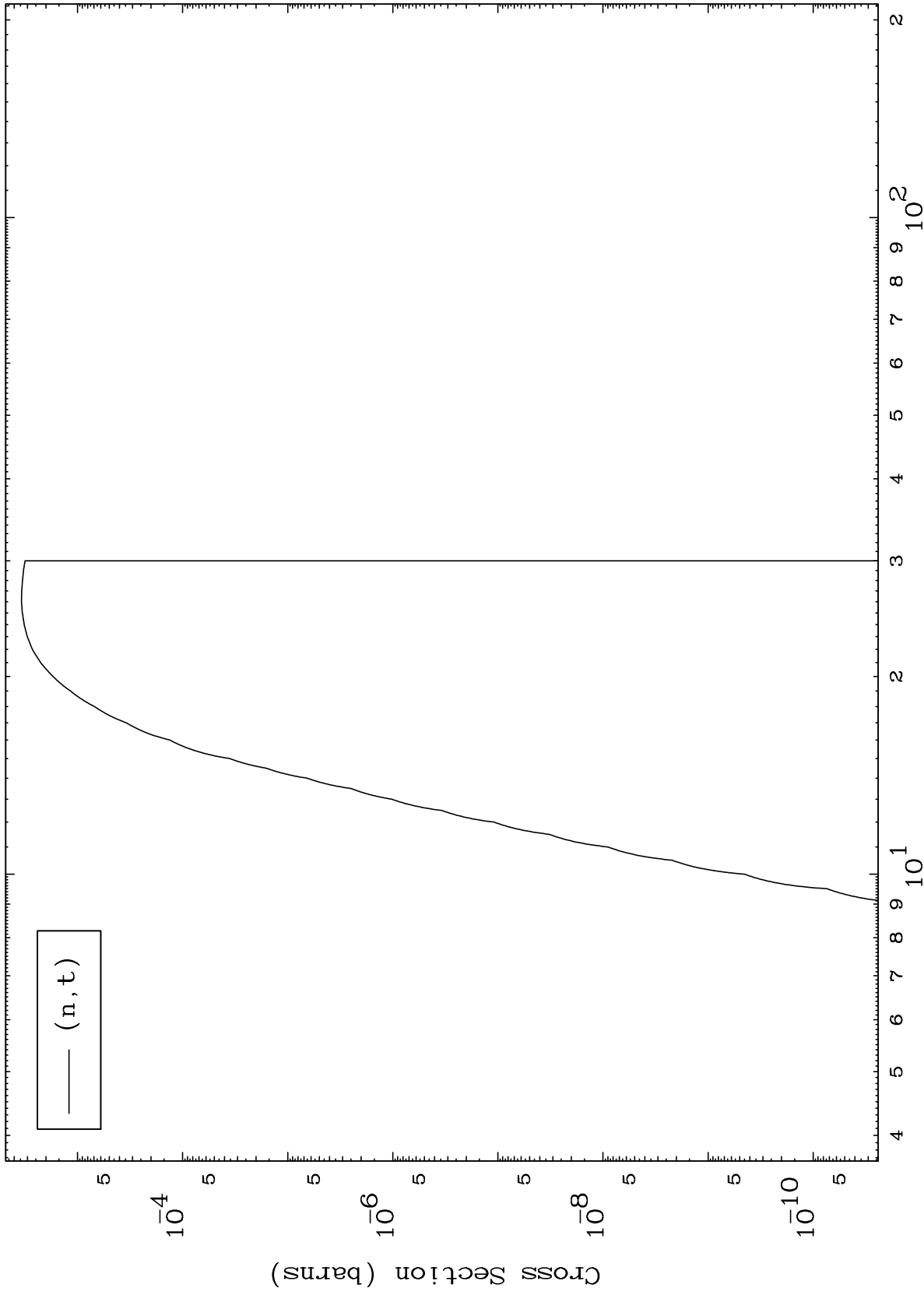
Incident Energy (MeV)

75-Re-190

MAT 7540

(n,t) Levels
293 Kelvin Cross Sections

75-Re-190



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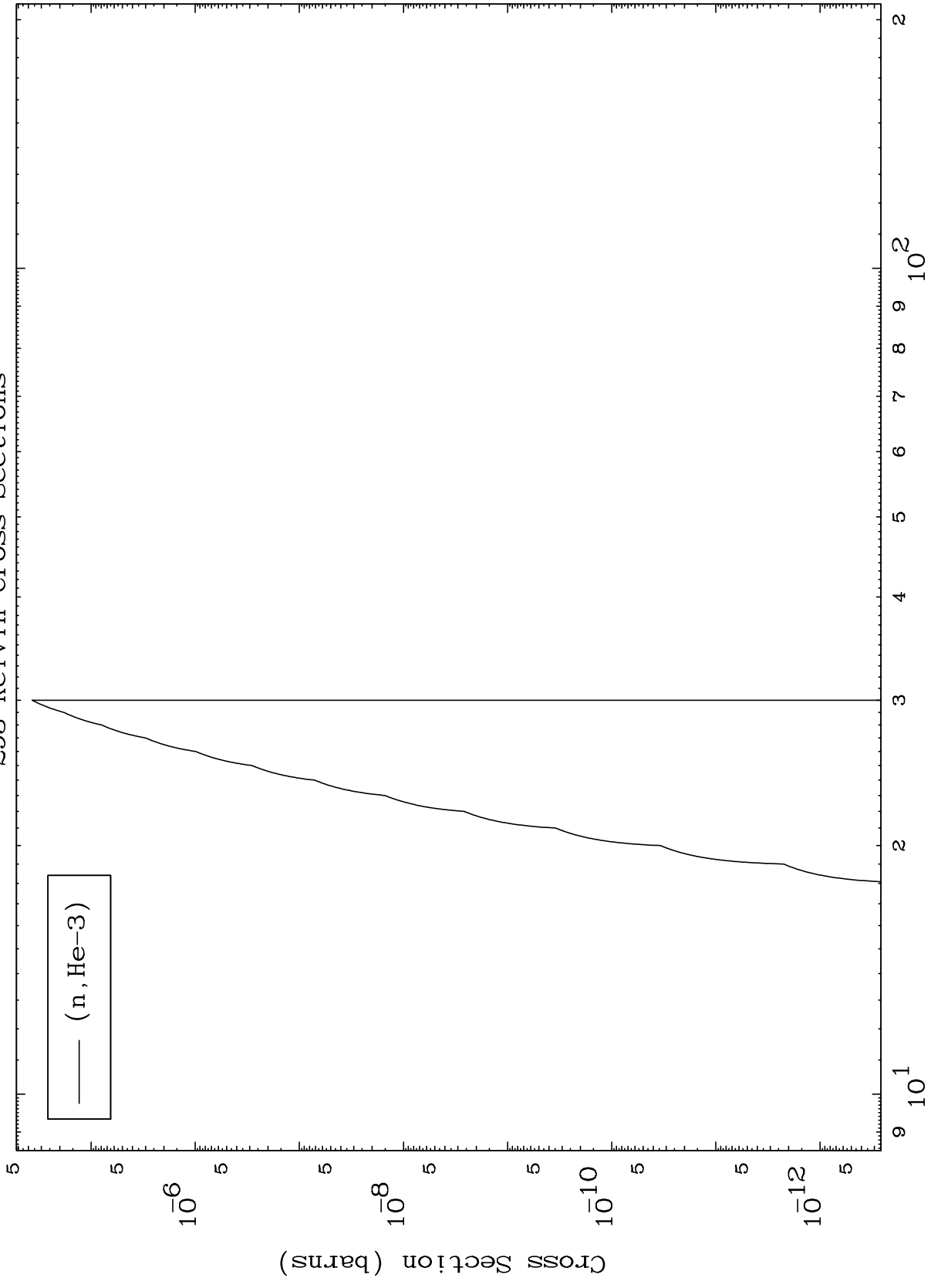
Incident Energy (MeV)

75-Re-190

MAT 7540

(n,He3) Levels
293 Kelvin Cross Sections

75-Re-190



13

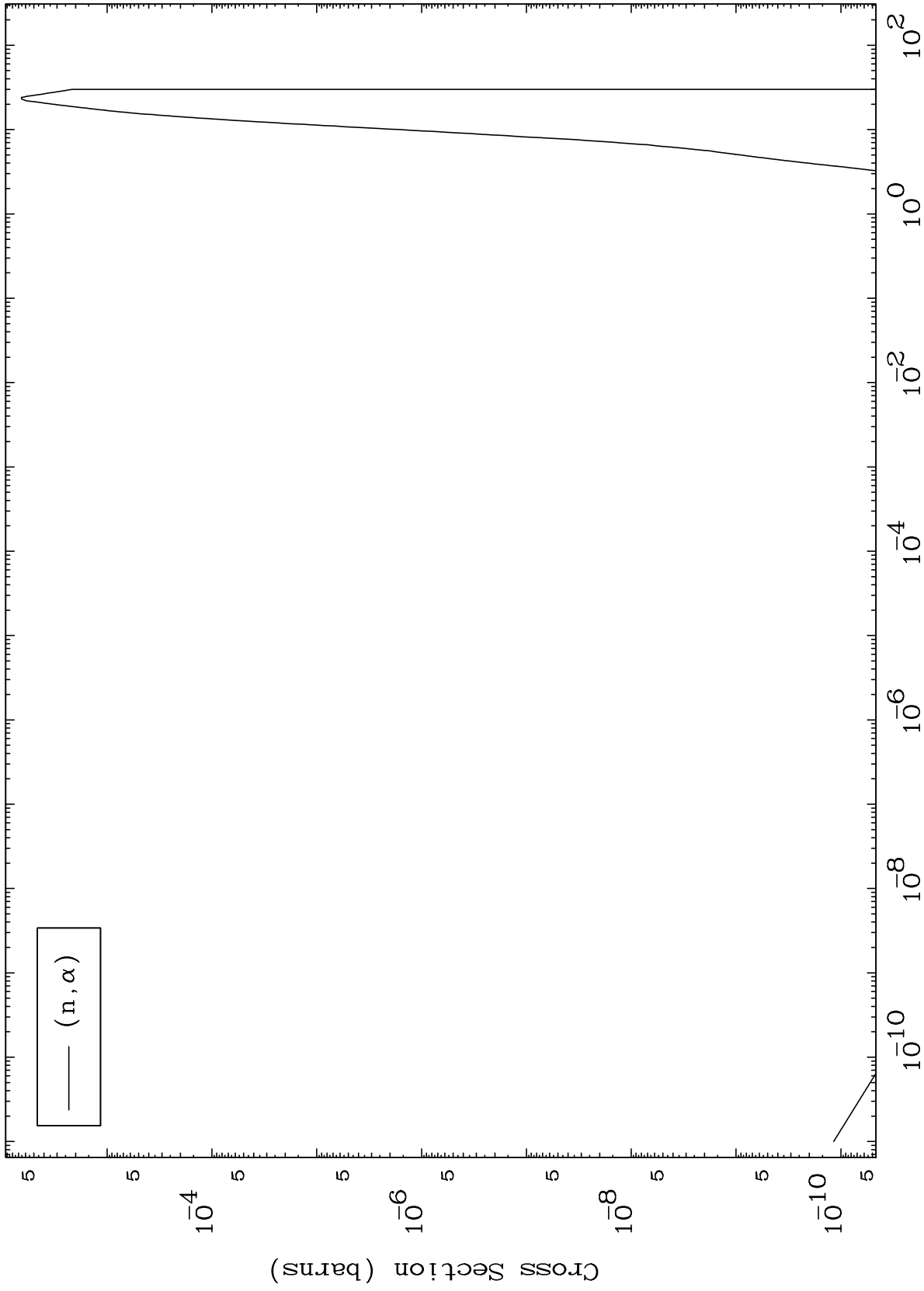
Incident Energy (MeV)

75-Re-190

MAT 7540

(n,α) Levels
293 Kelvin Cross Sections

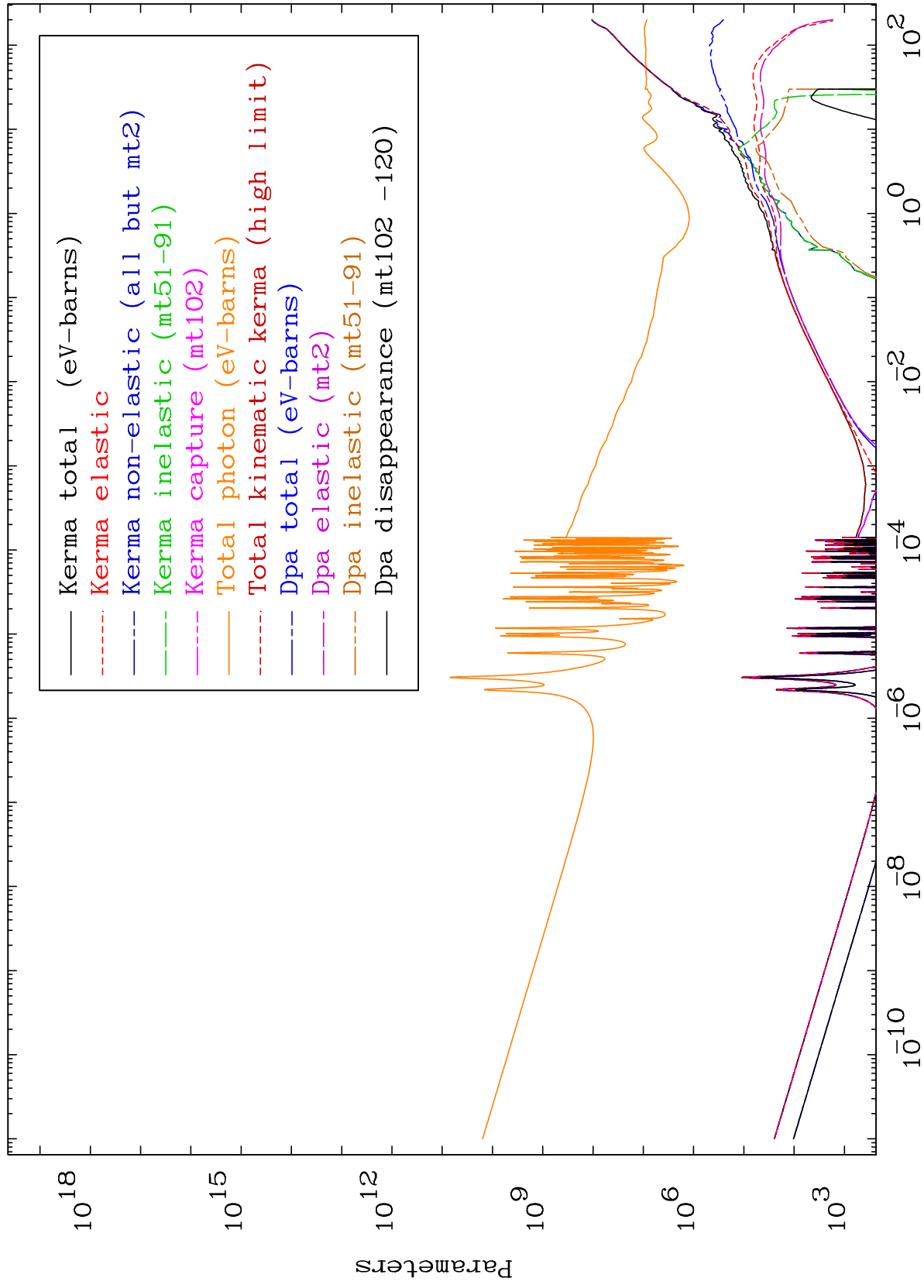
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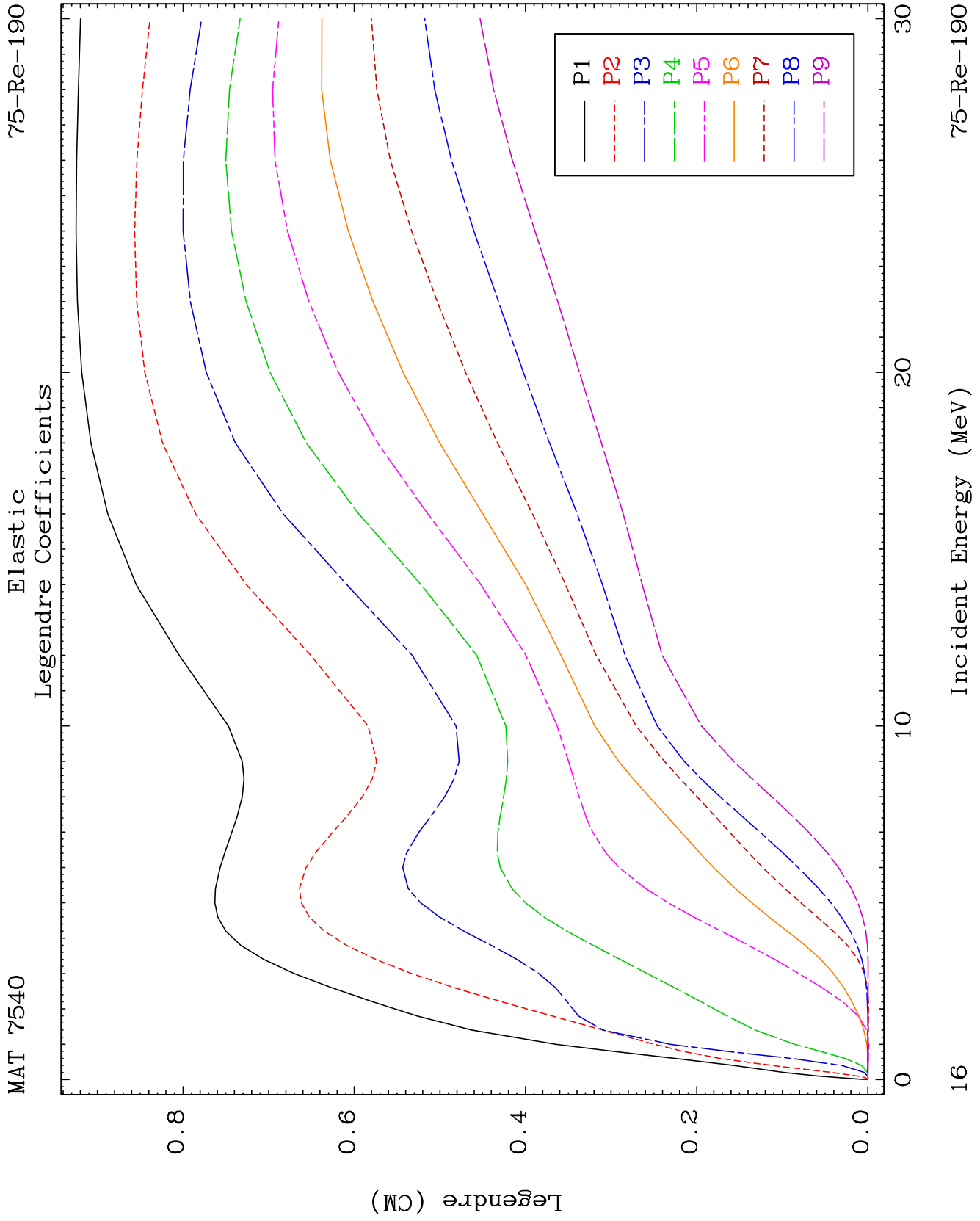


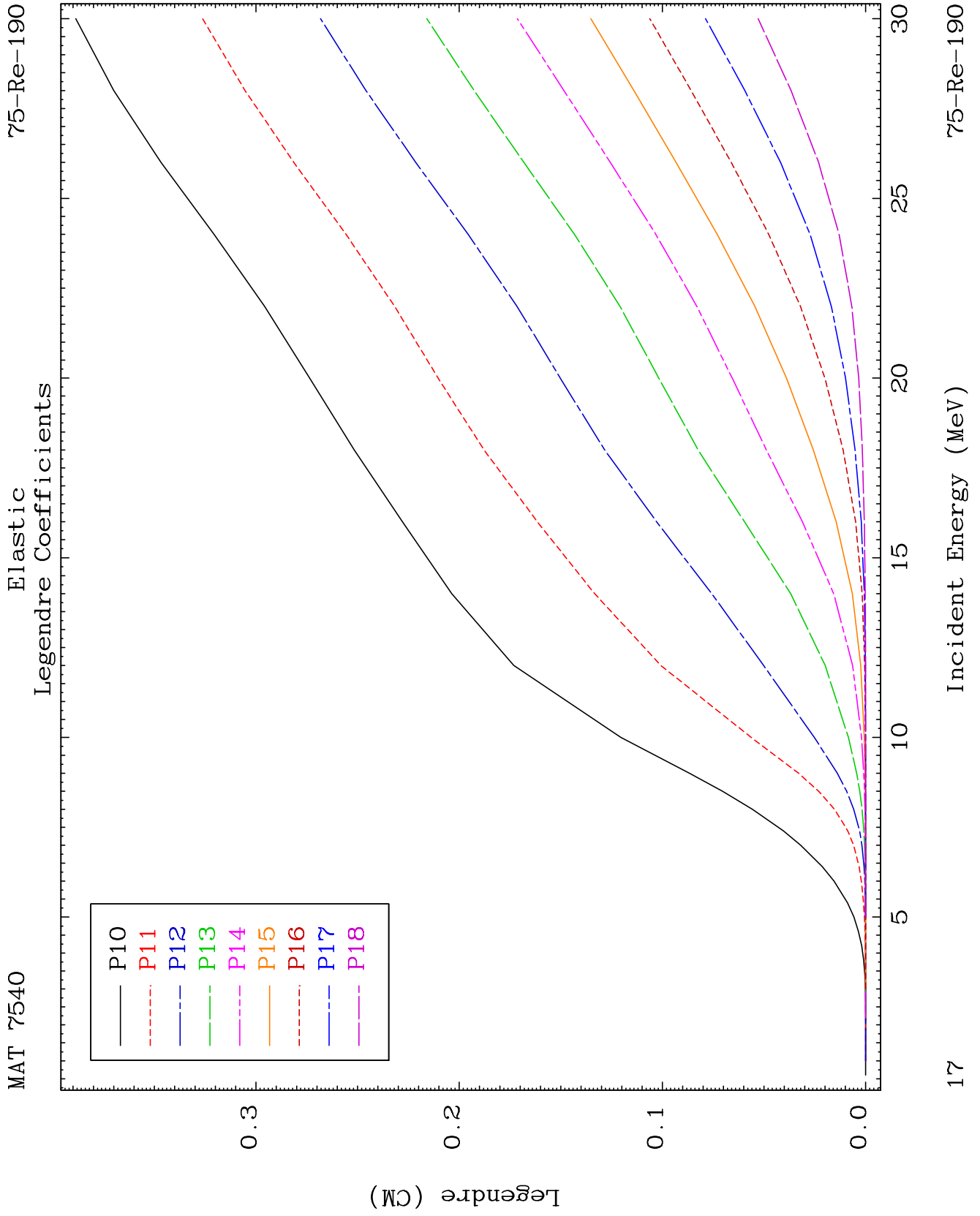
14

Incident Energy (MeV)

75-Re-190



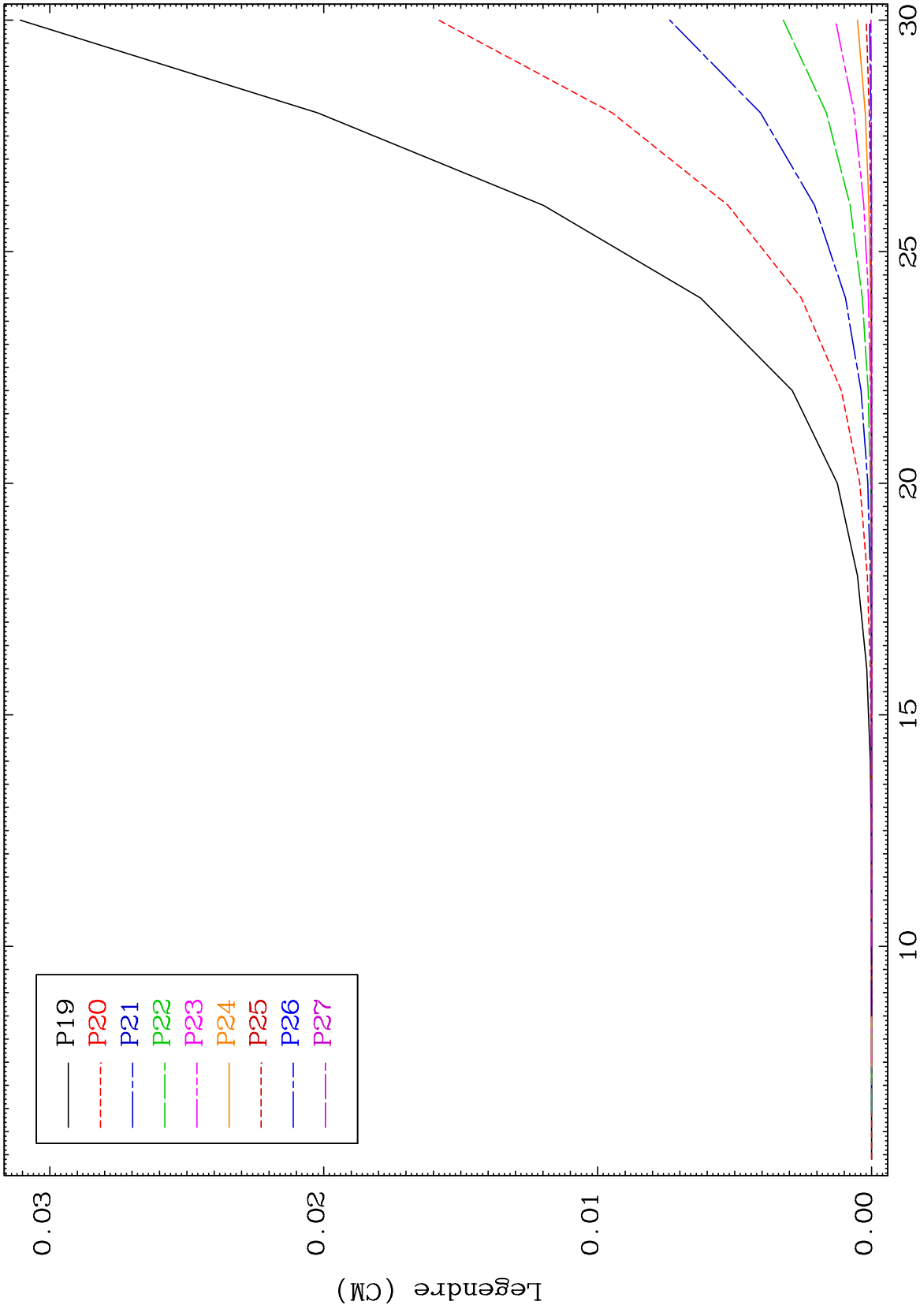




MAT 7540

Elastic Legendre Coefficients

75-Re-190



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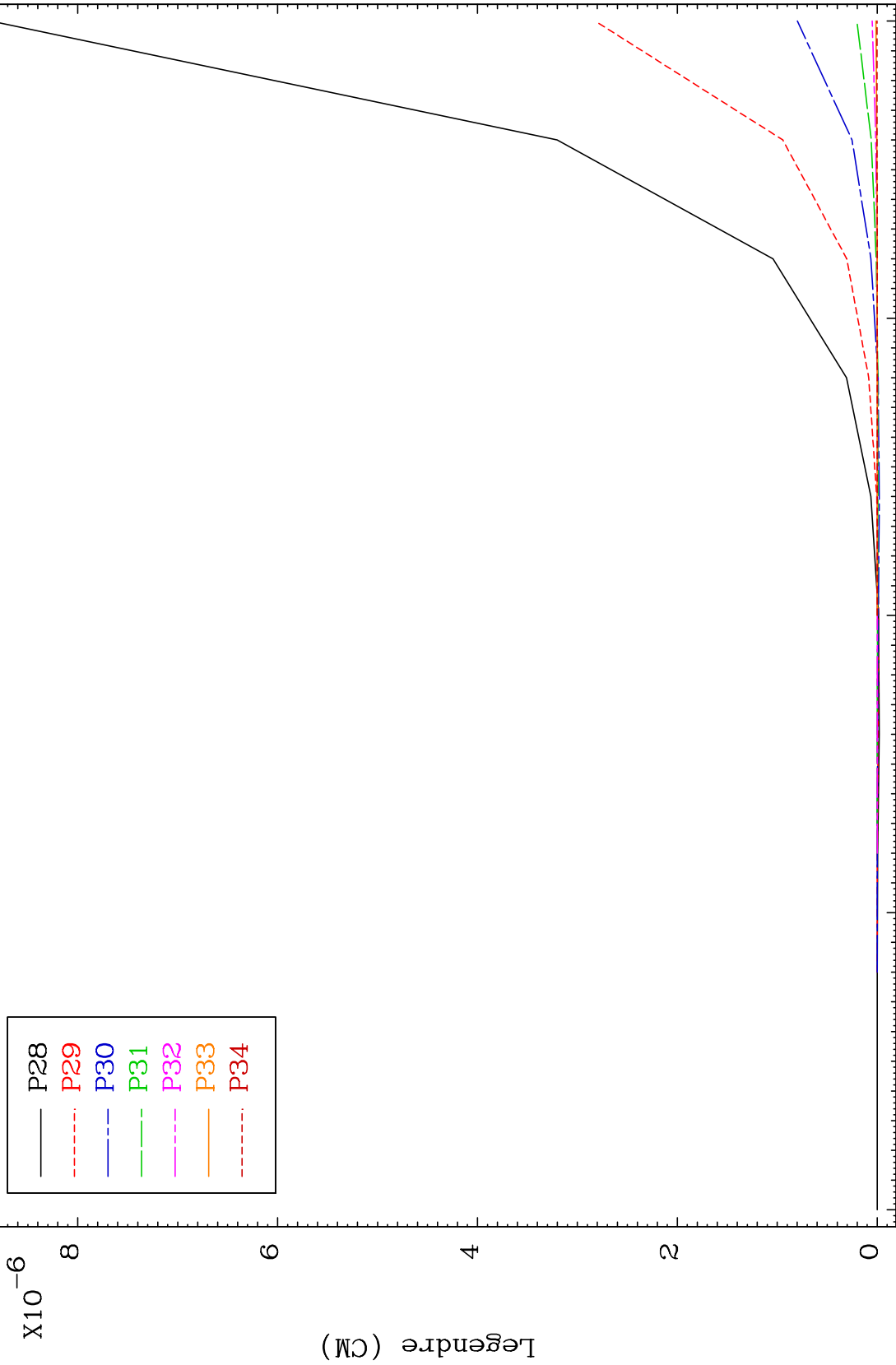
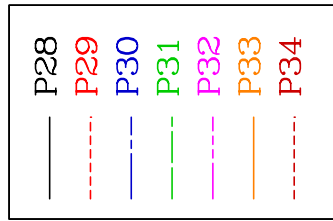
Incident Energy (MeV)

75-Re-190

MAT 7540

Elastic Legendre Coefficients

75-Re-190

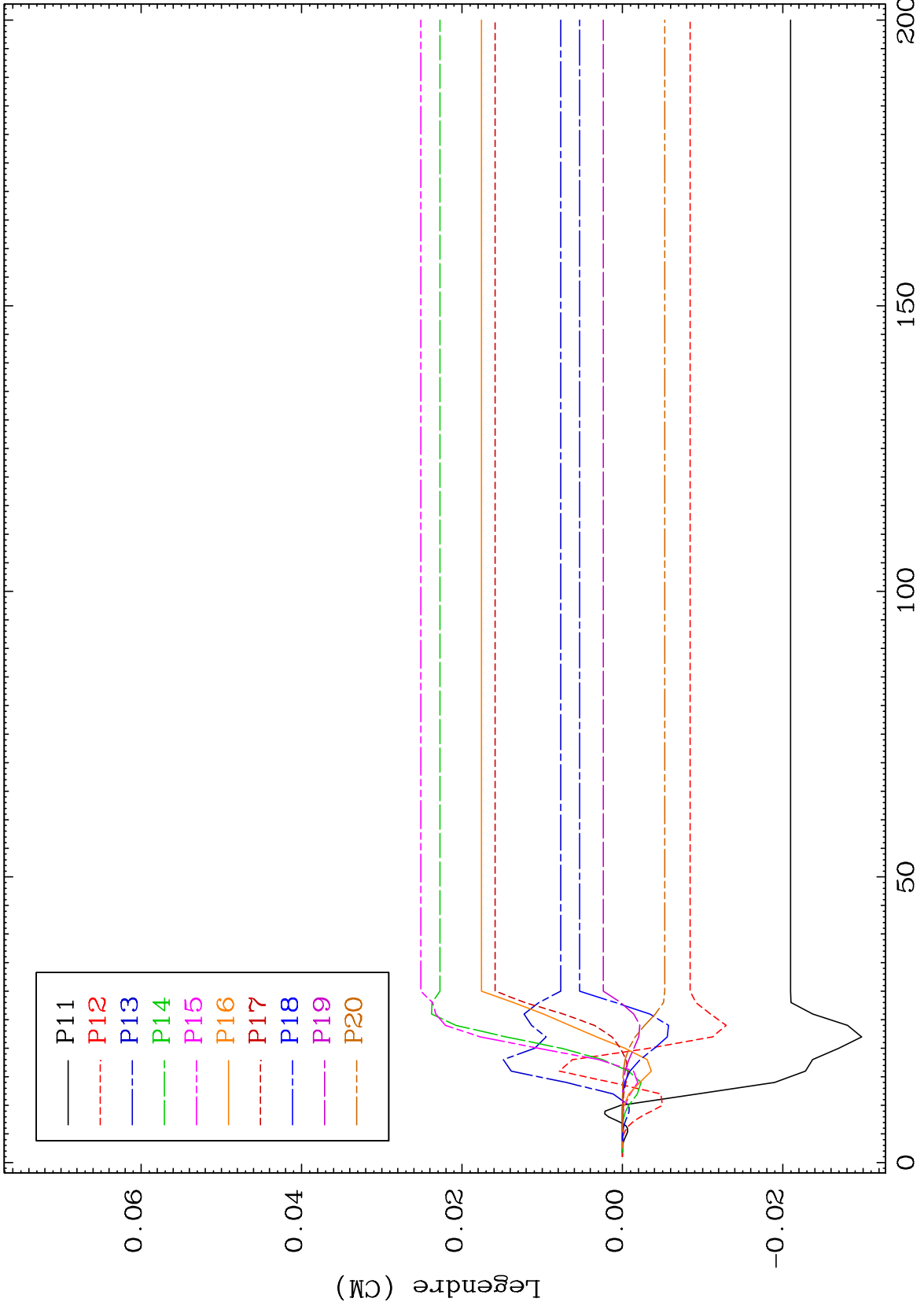


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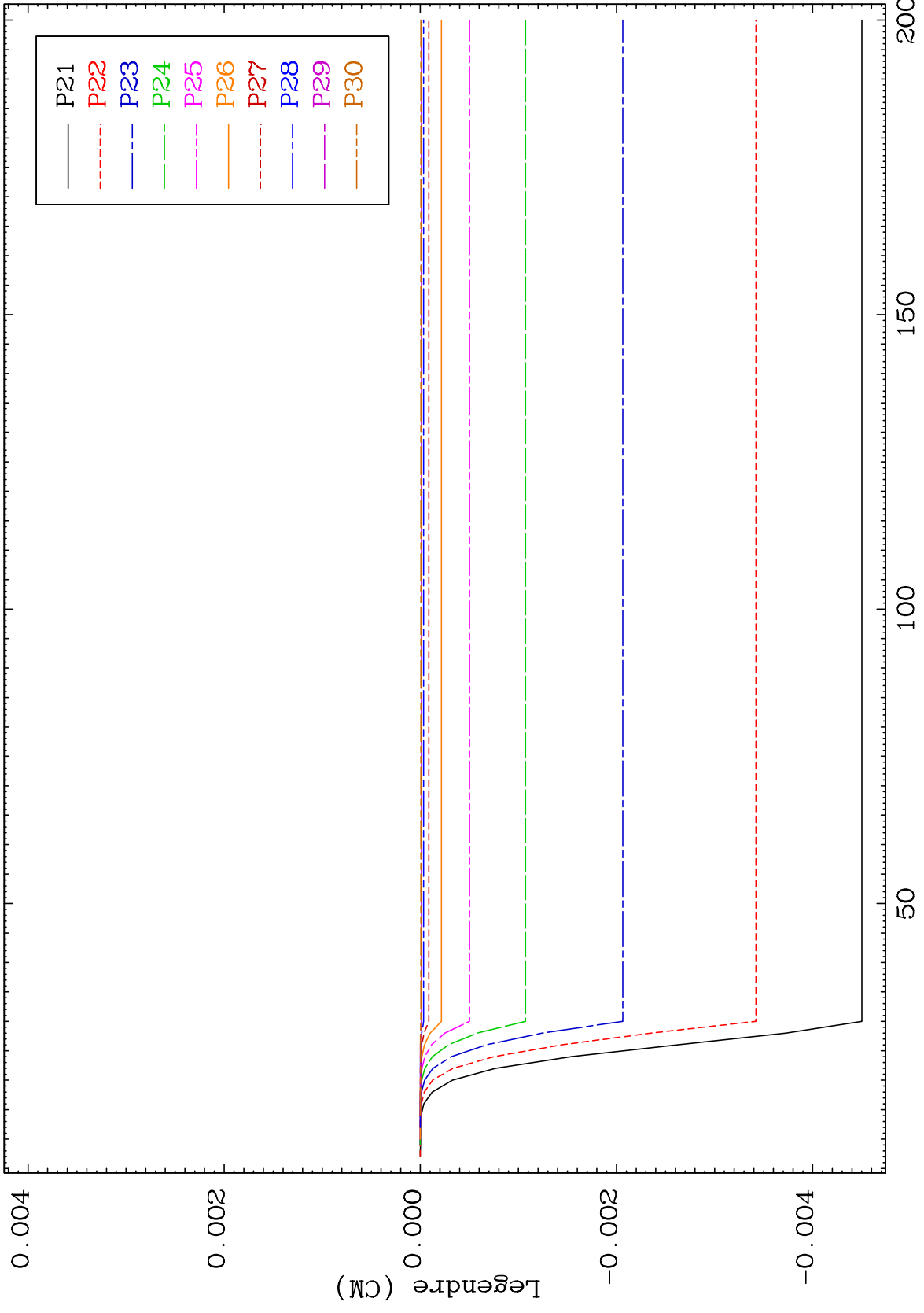
Incident Energy (MeV)

75-Re-190

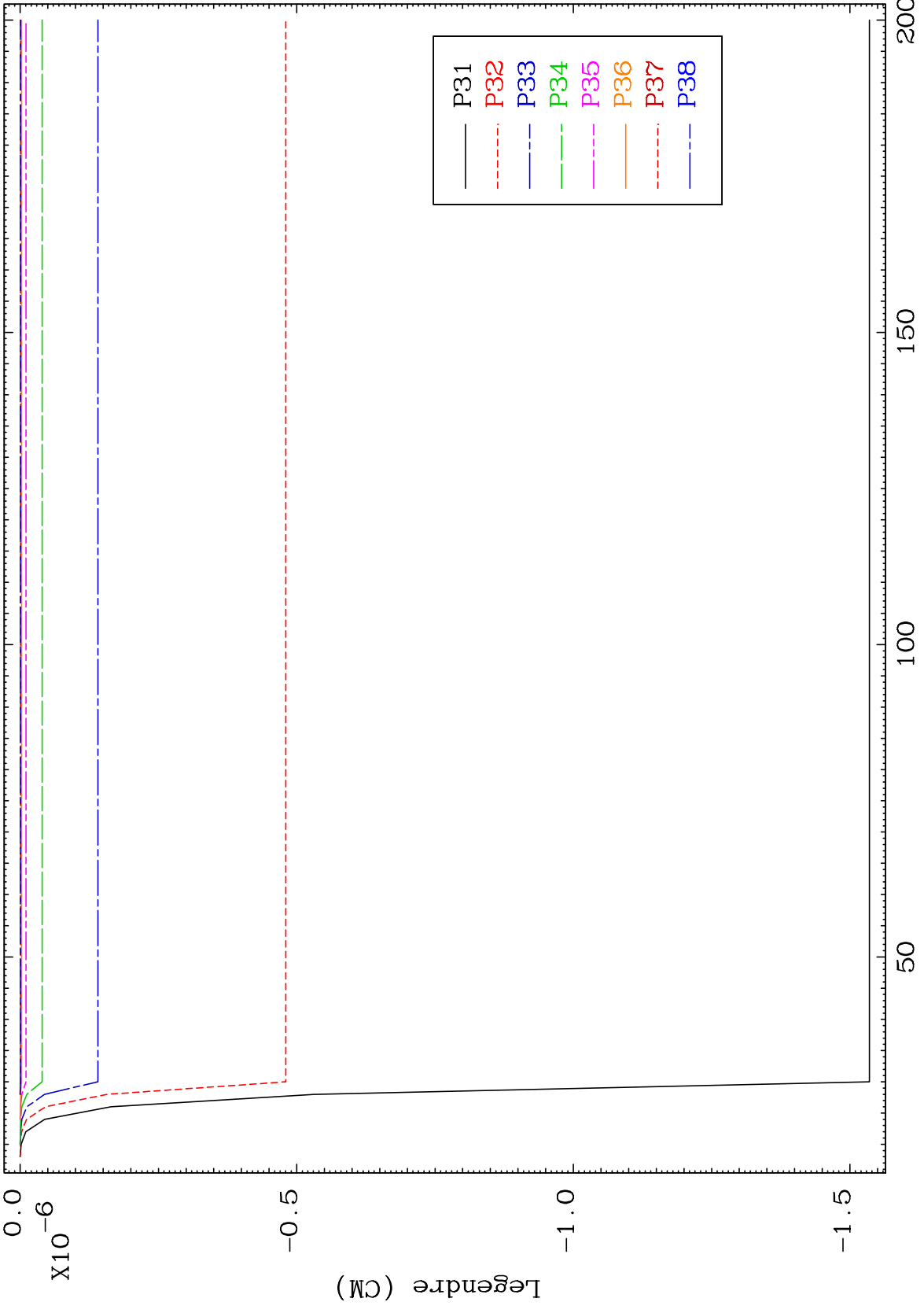
MAT 7540 MT= 51 (n,n') Level Legendre Coefficients 75-Re-190



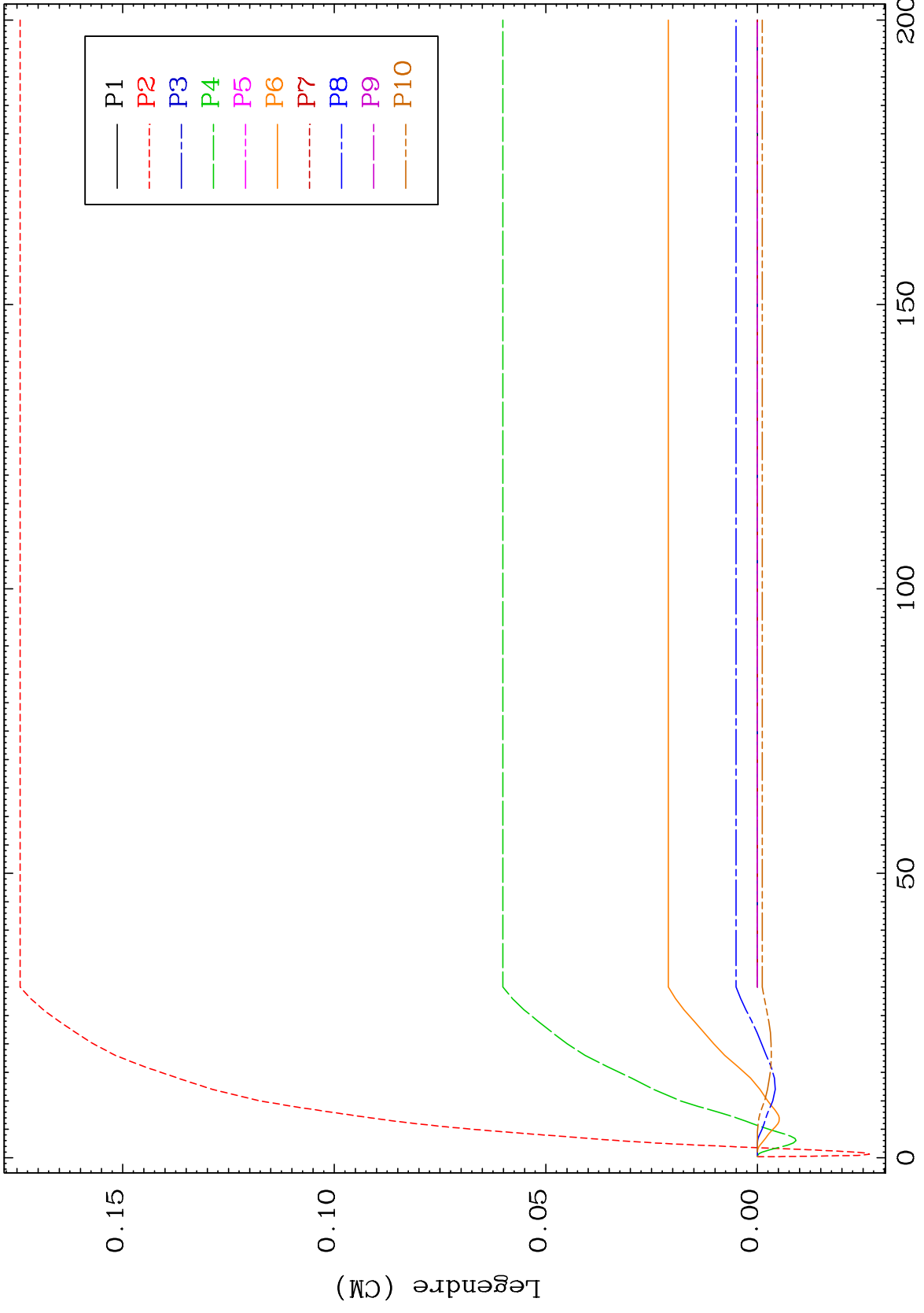
MAT 7540 MT= 51 (n,n') Level Legendre Coefficients 75-Re-190



MAT 7540 MT= 51 (n,n') Level Legendre Coefficients 75-Re-190



MAT 7540 MT= 52 (n,n') Level Legendre Coefficients 75-Re-190

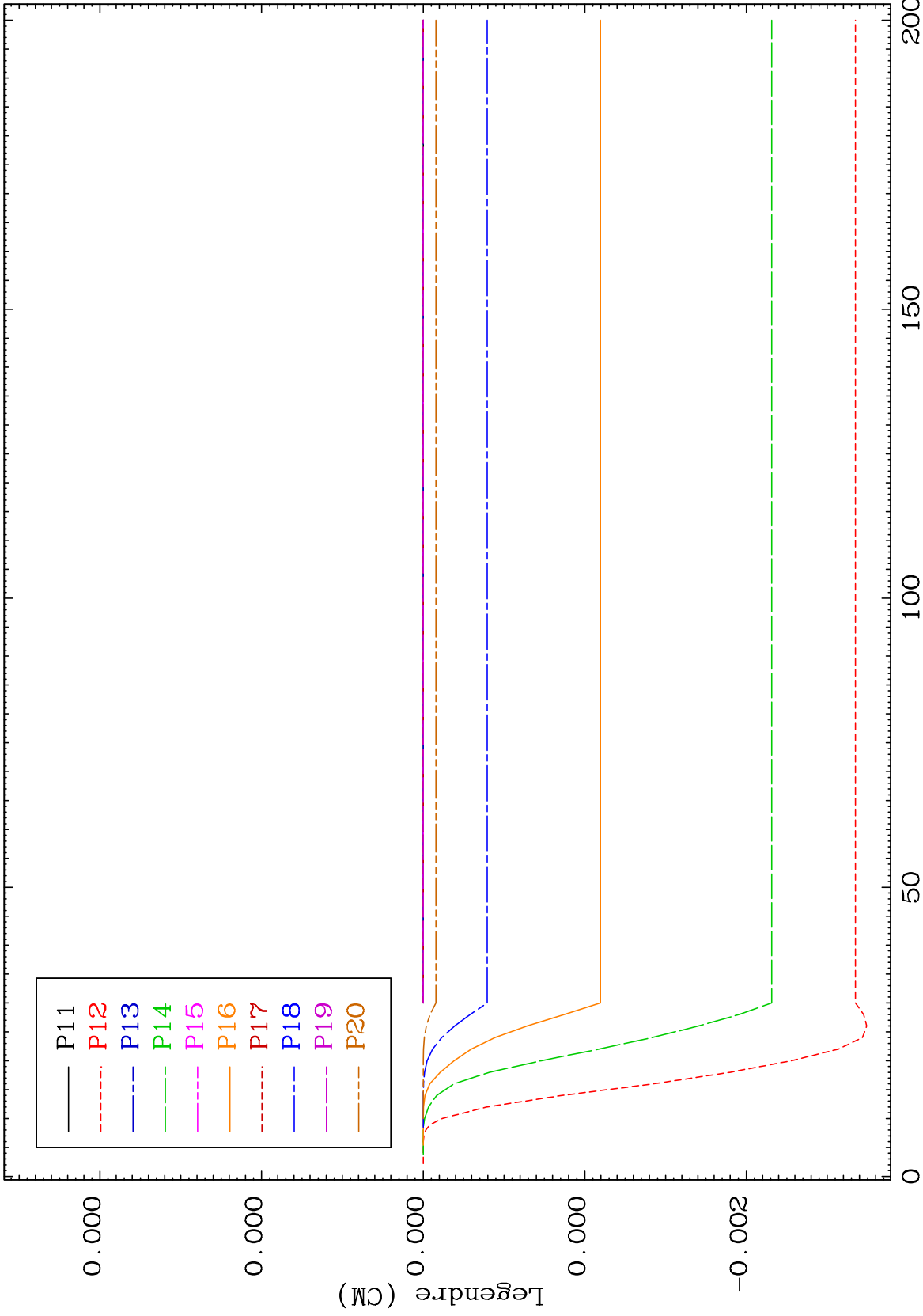


24 75-Re-190

MAT 7540

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

75-Re-190

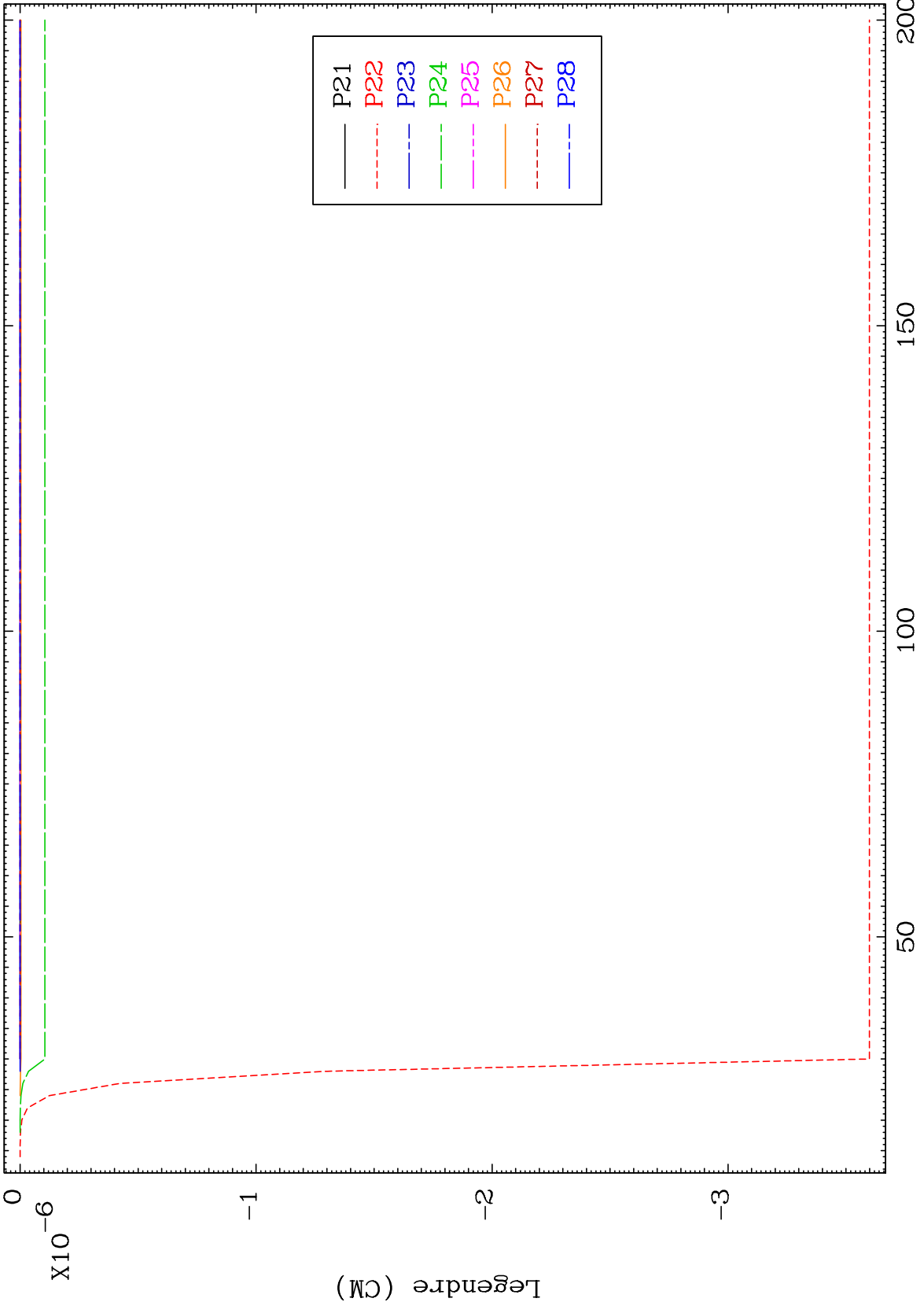


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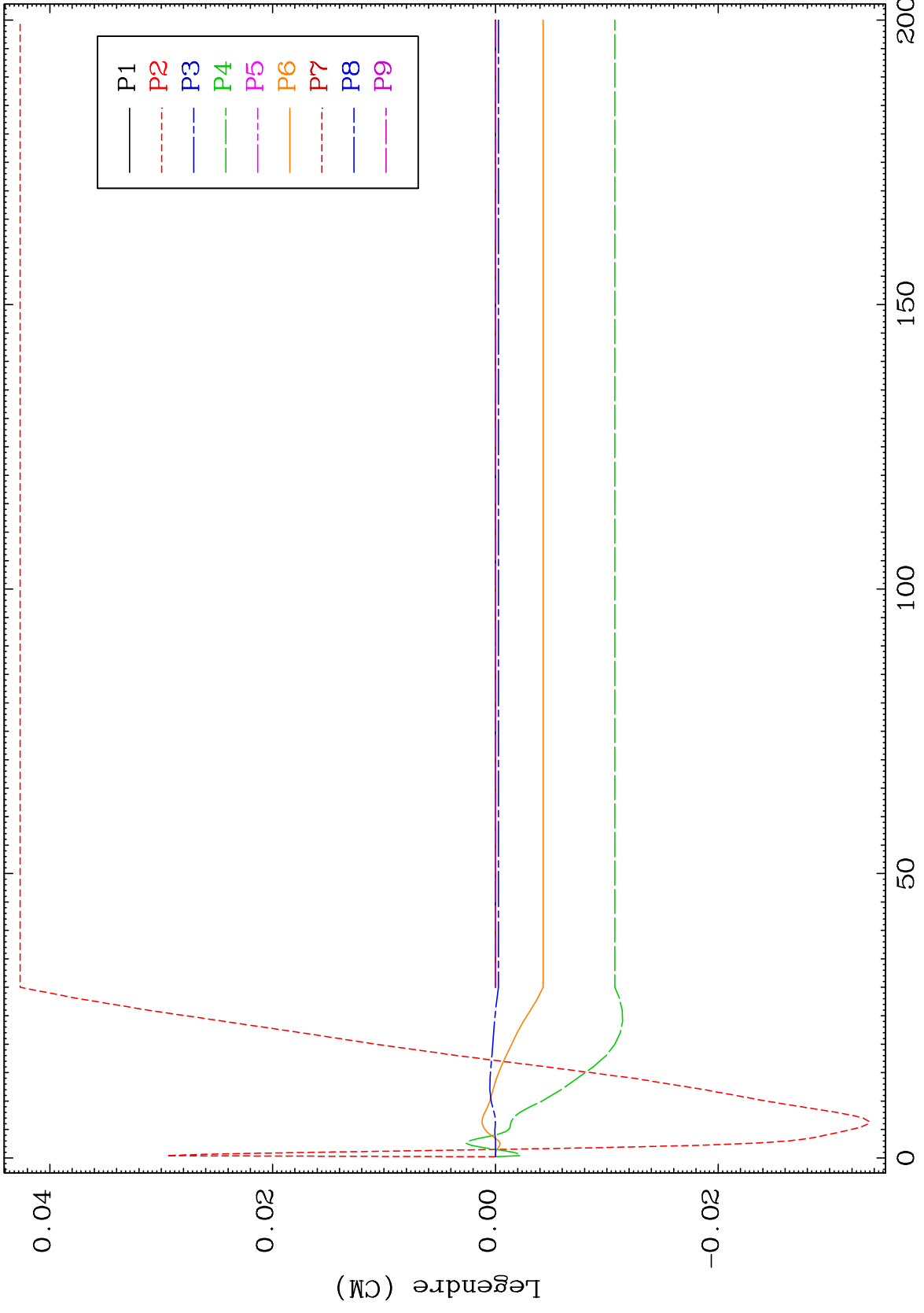
Incident Energy (MeV)

75-Re-190

MAT 7540 MT= 52 (n,n') Level Legendre Coefficients 75-Re-190



MAT 7540 MT= 53 (n,n') Level Legendre Coefficients 75-Re-190

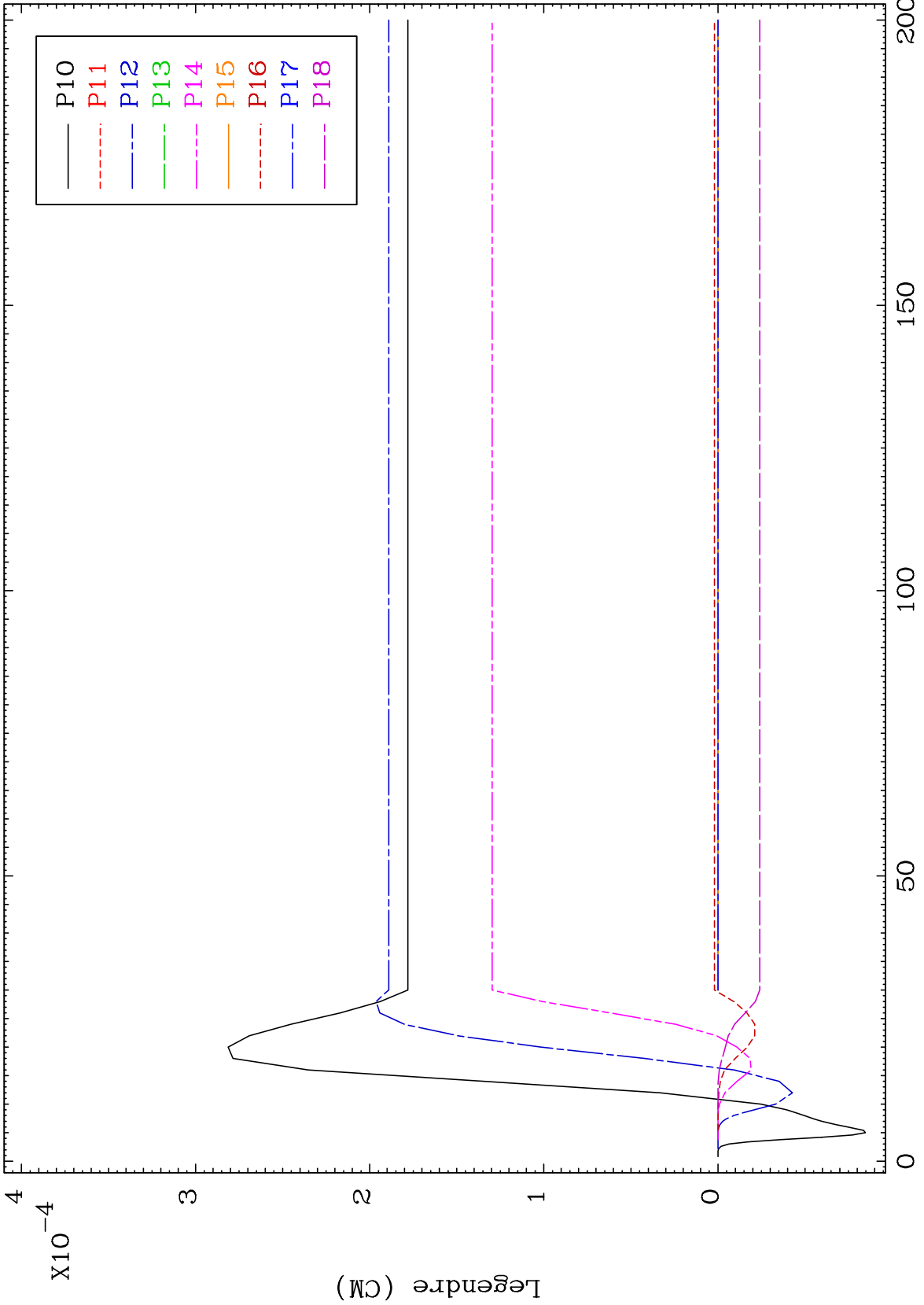


27 75-Re-190

MAT 7540

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

75-Re-190

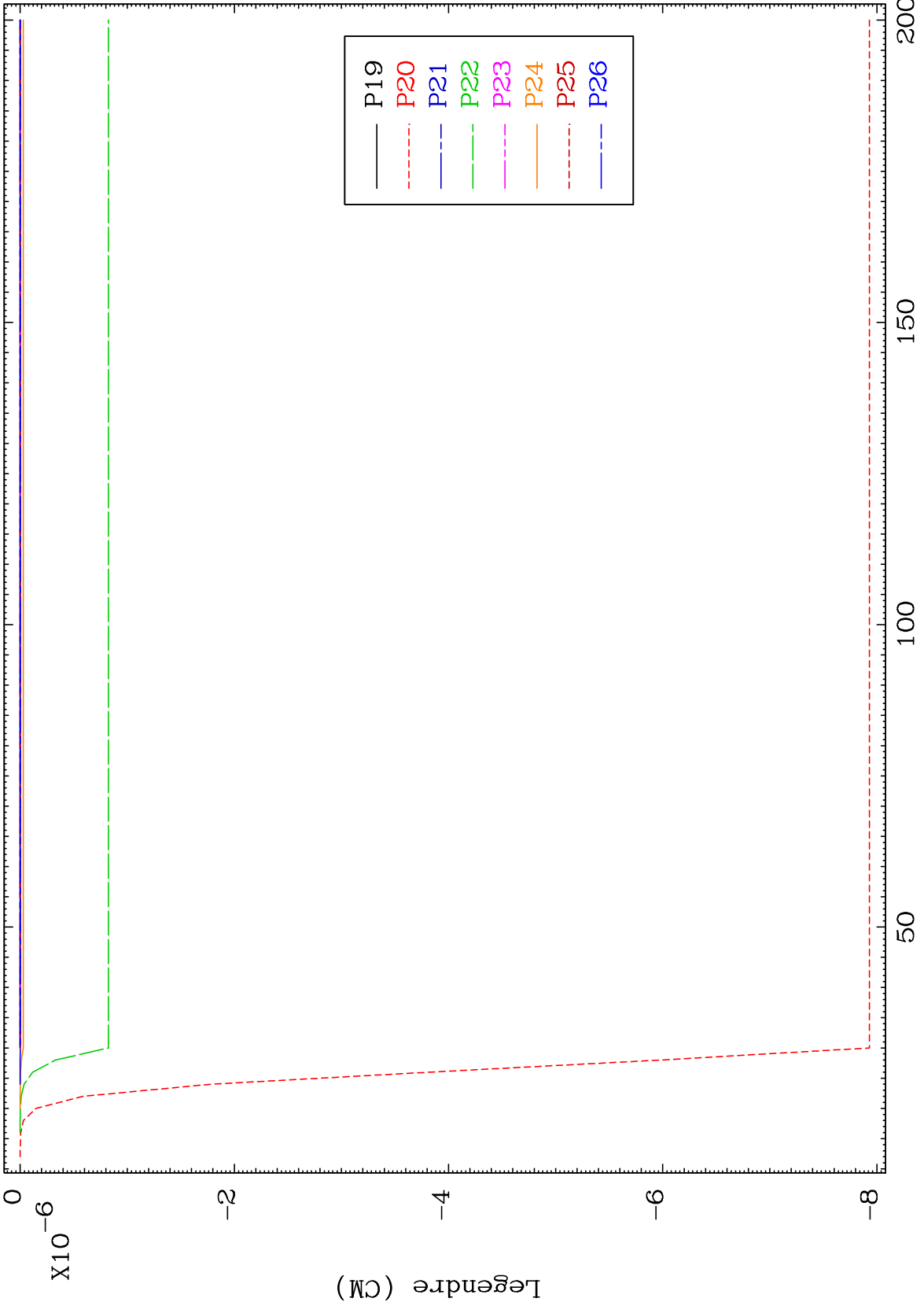


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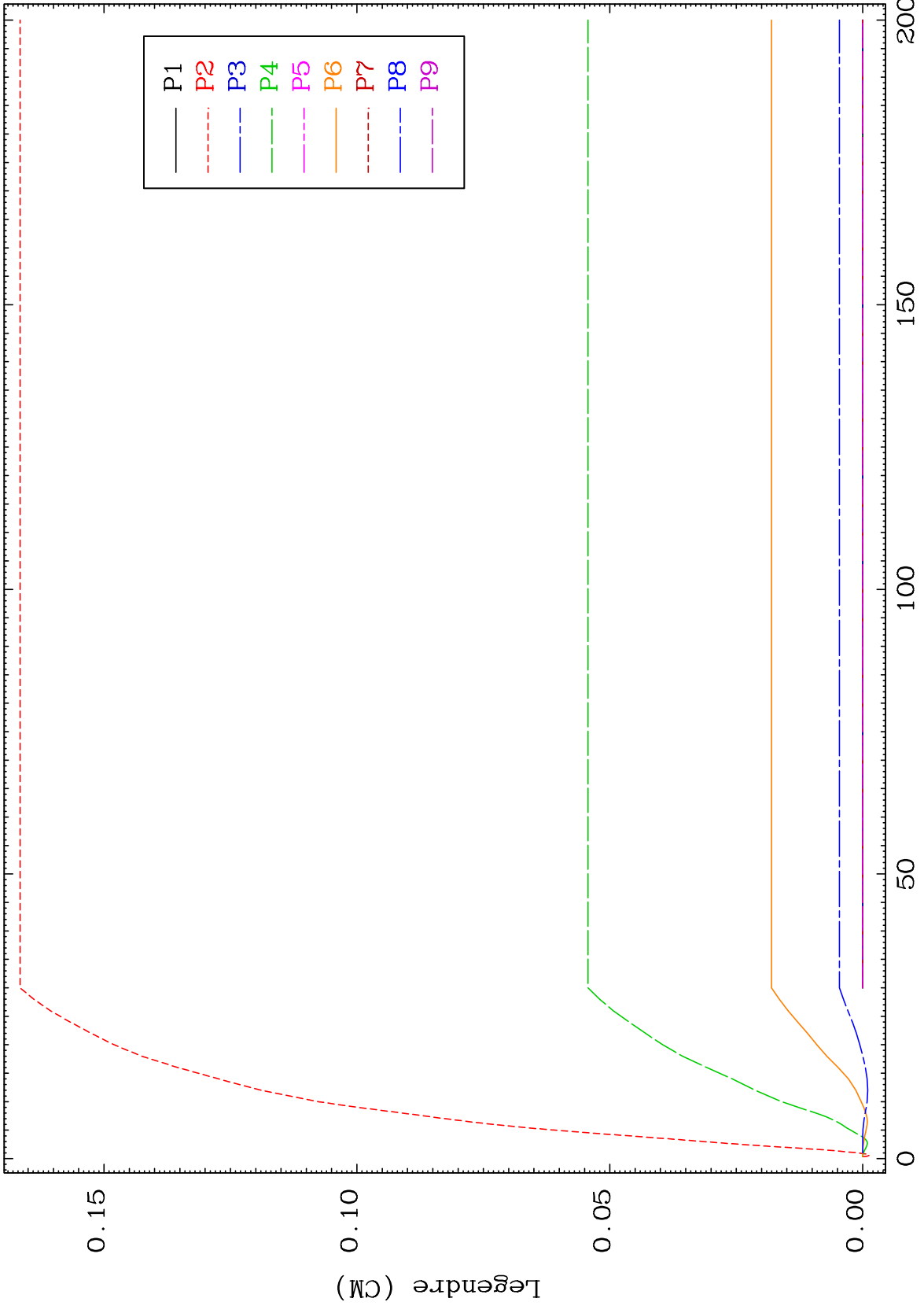
Incident Energy (MeV)

75-Re-190

MAT 7540 MT= 53 (n,n') Level Legendre Coefficients 75-Re-190



MAT 7540 MT= 54 (n,n') Level Legendre Coefficients 75-Re-190

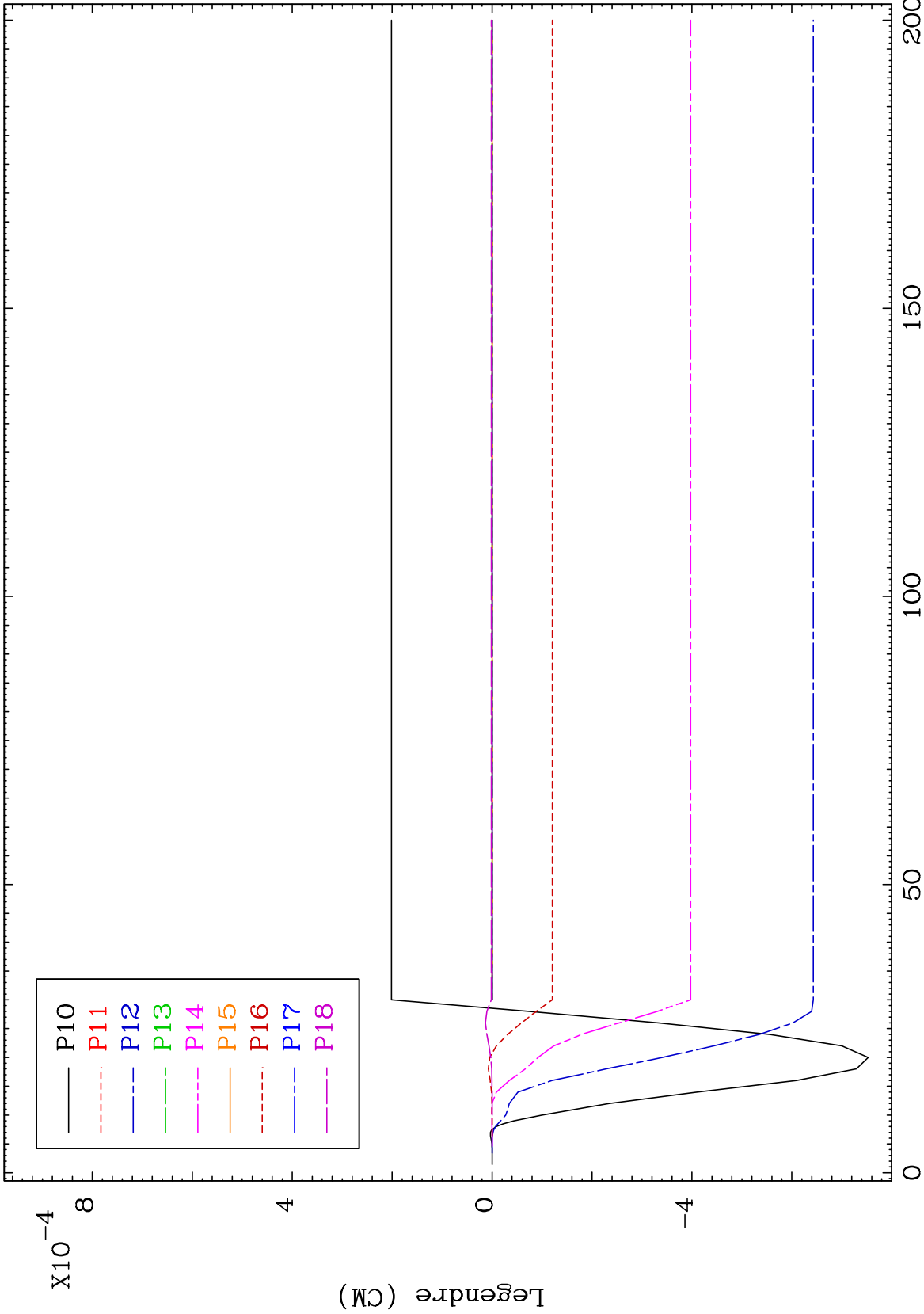


Incident Energy (MeV) 75-Re-190

MAT 7540

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

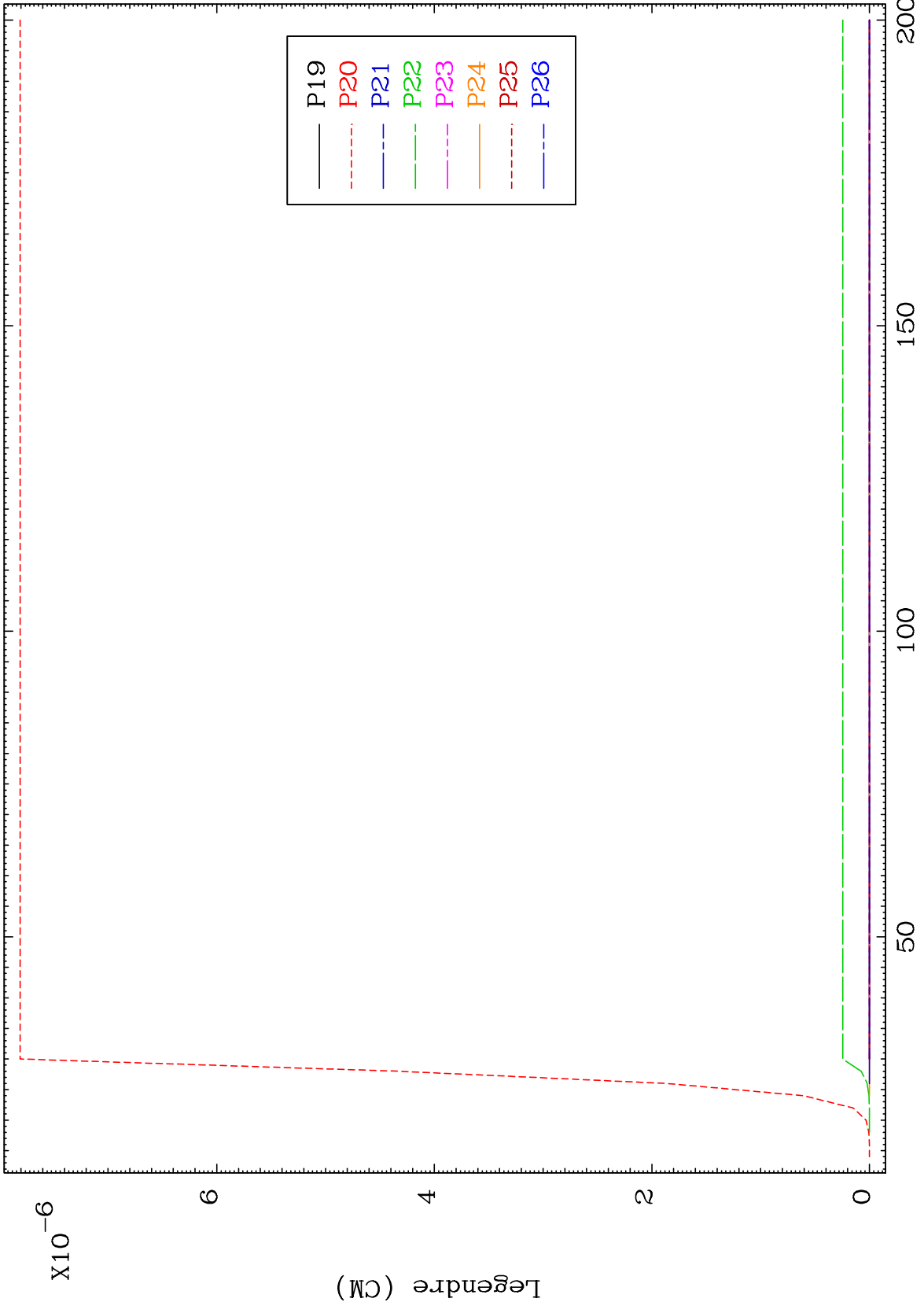
75-Re-190



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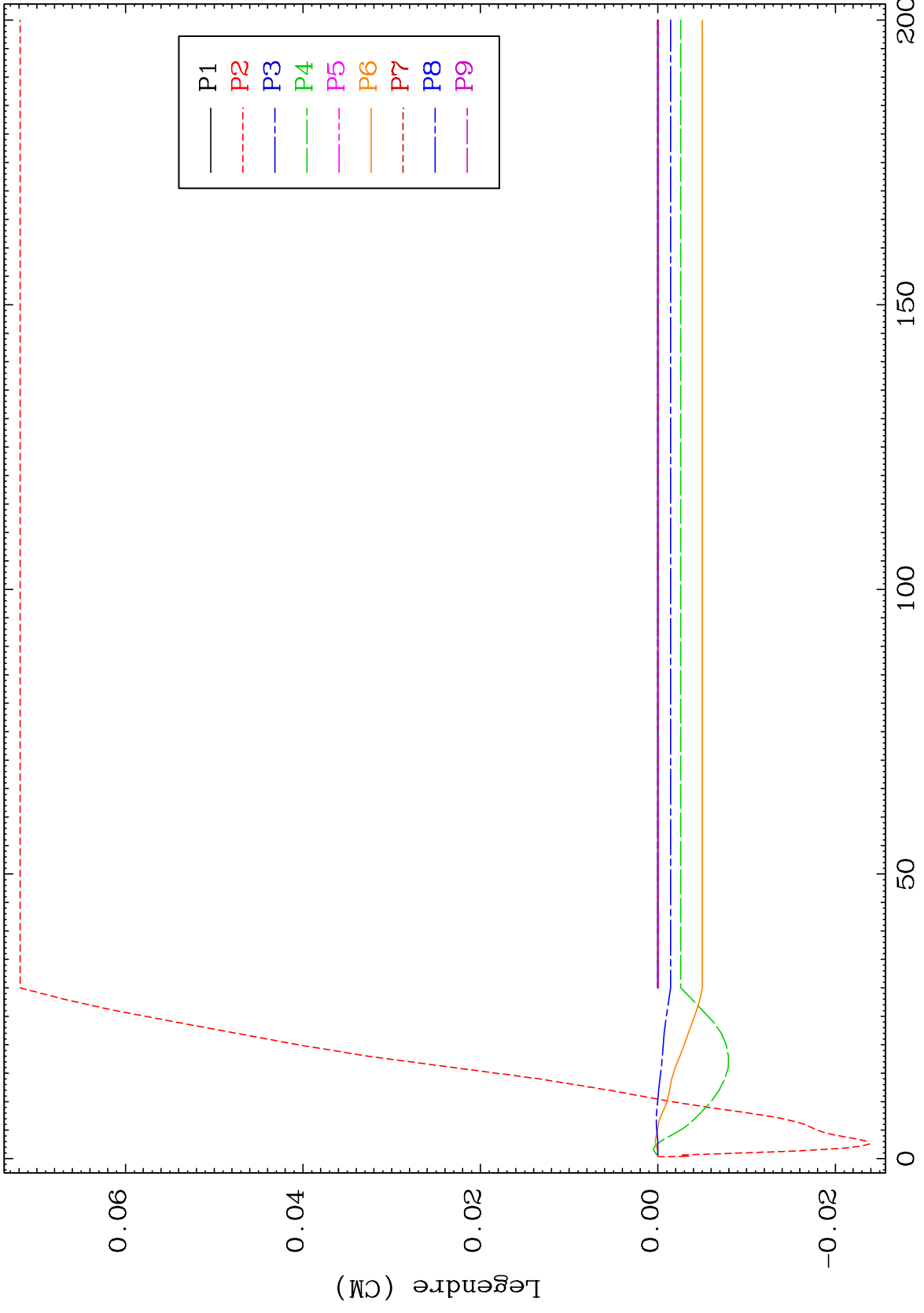
75-Re-190

MAT 7540 MT= 54 (n,n') Level Legendre Coefficients 75-Re-190



32 Incident Energy (MeV) 75-Re-190

MAT 7540 MT= 55 (n,n') Level Legendre Coefficients 75-Re-190

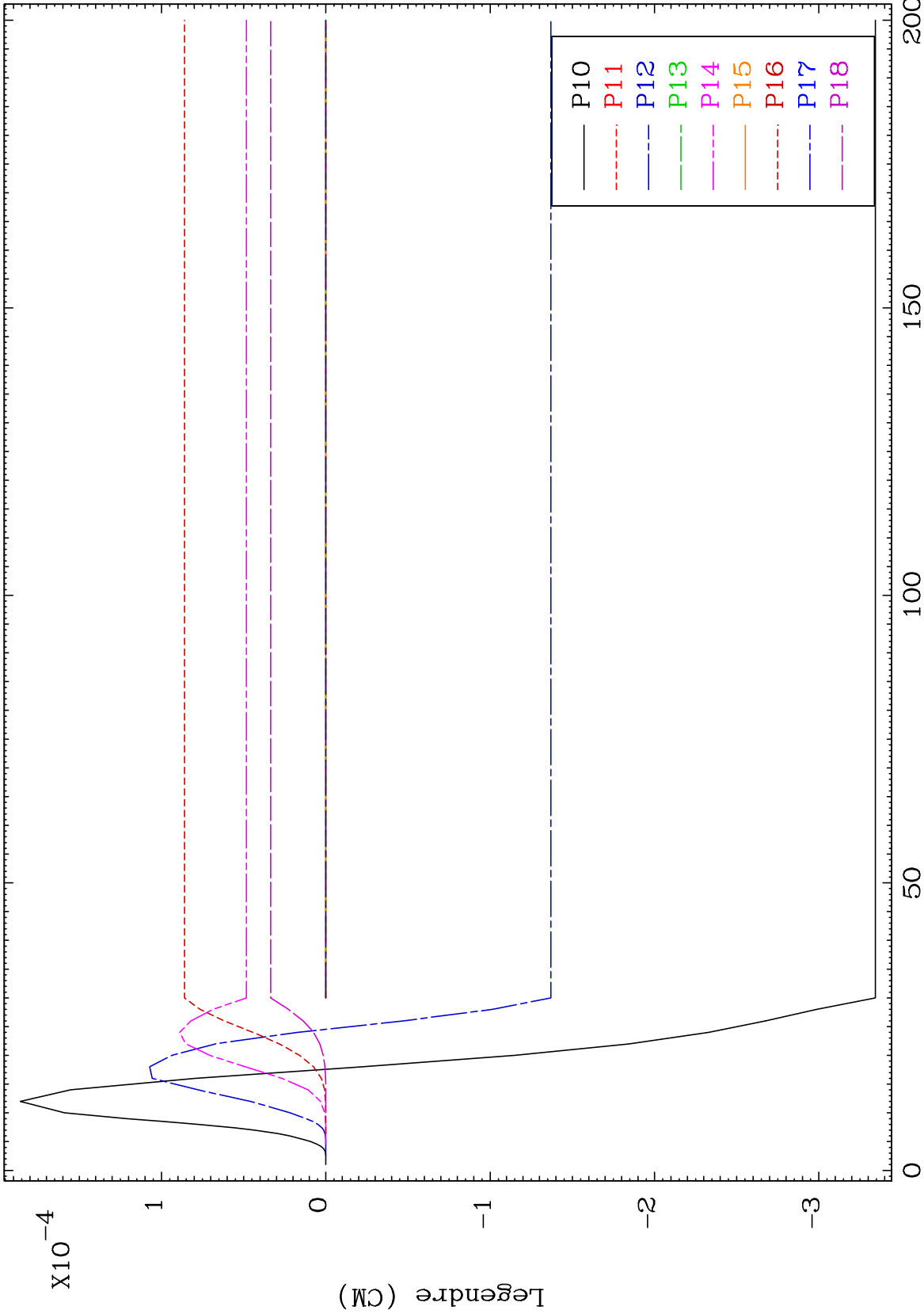


33

MAT 7540

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

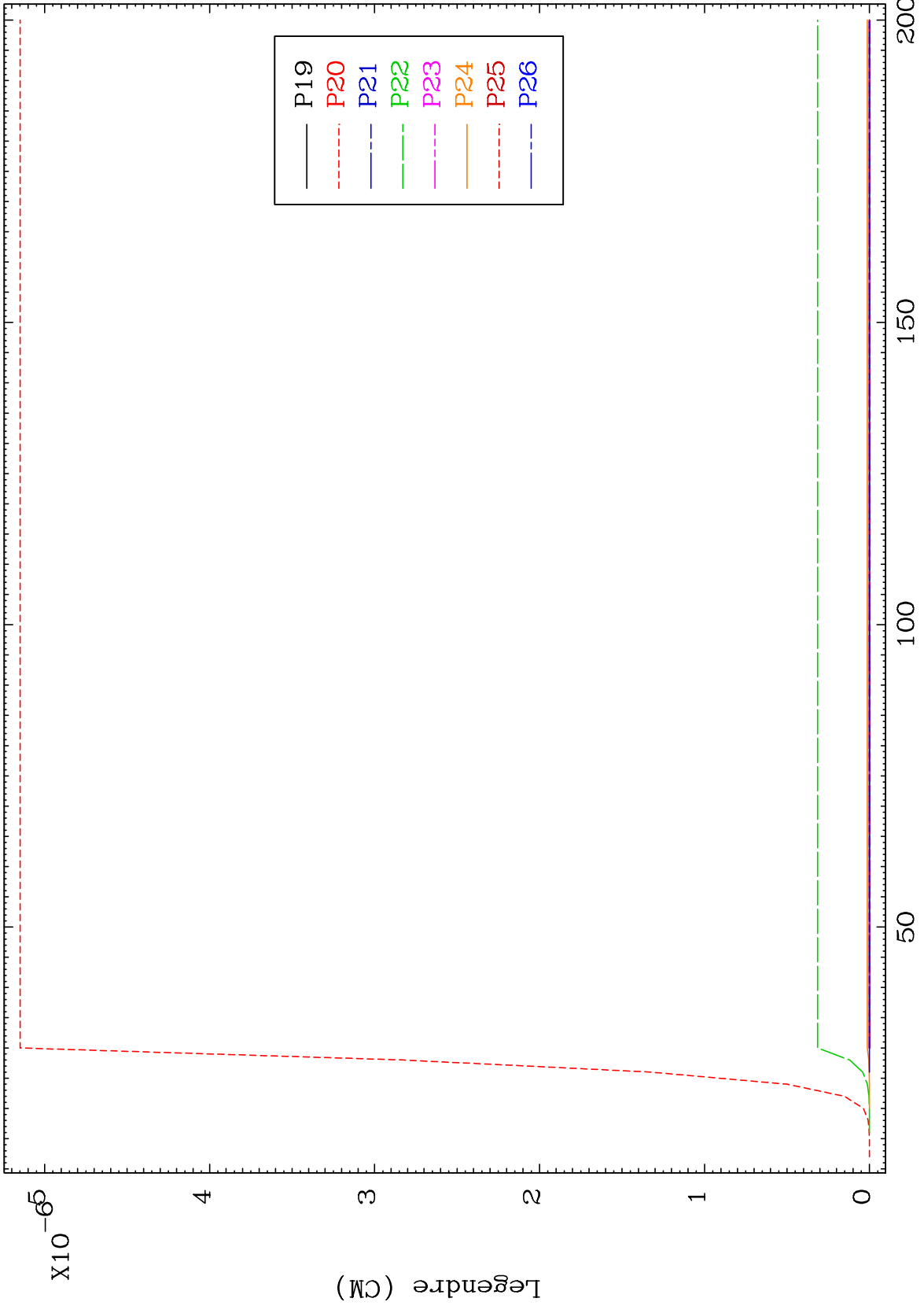
75-Re-190



34

75-Re-190

MAT 7540 MT= 55 (n,n') Level Legendre Coefficients 75-Re-190

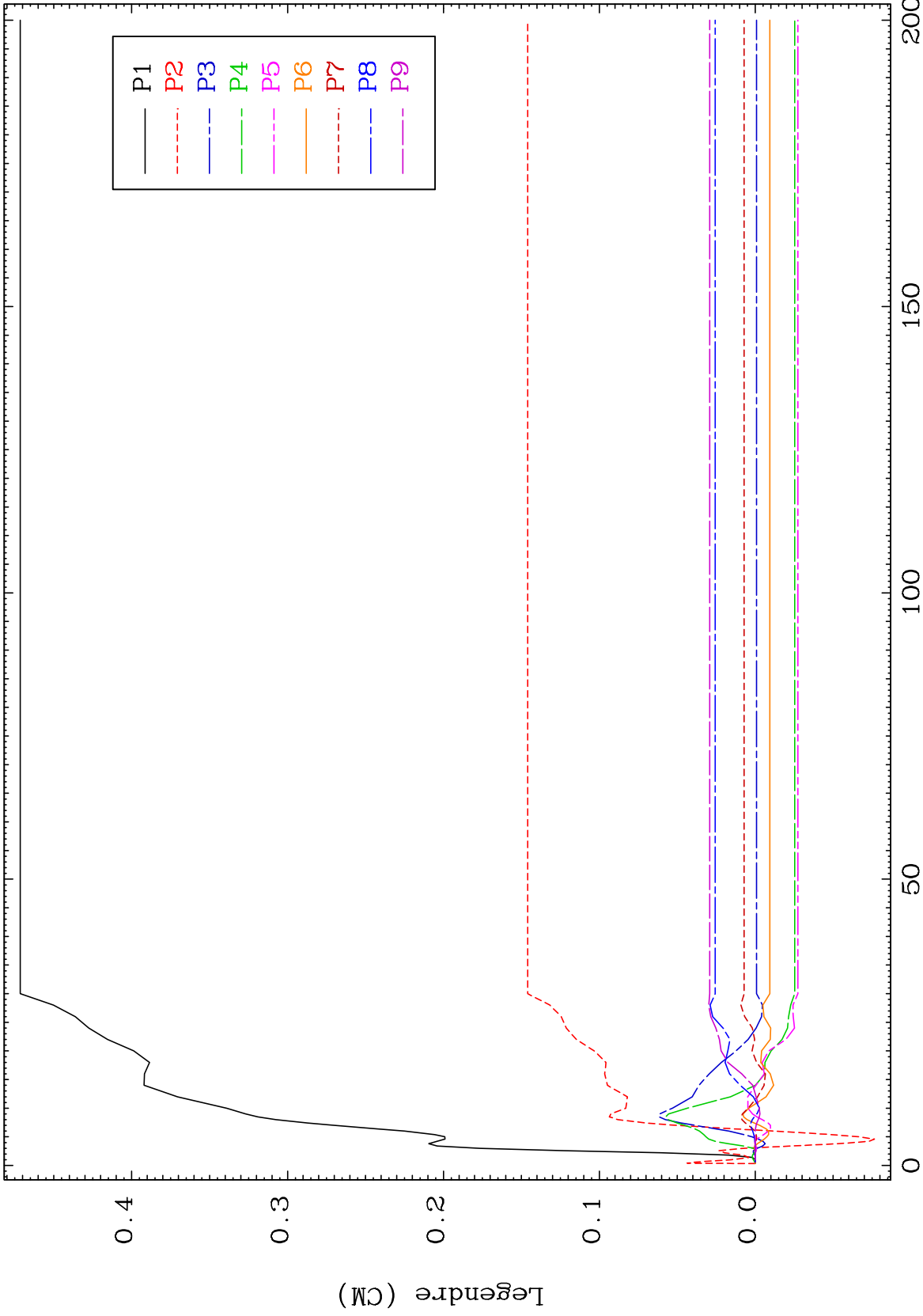


35 50 100 150 200 75-Re-190

MAT 7540

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

75-Re-190

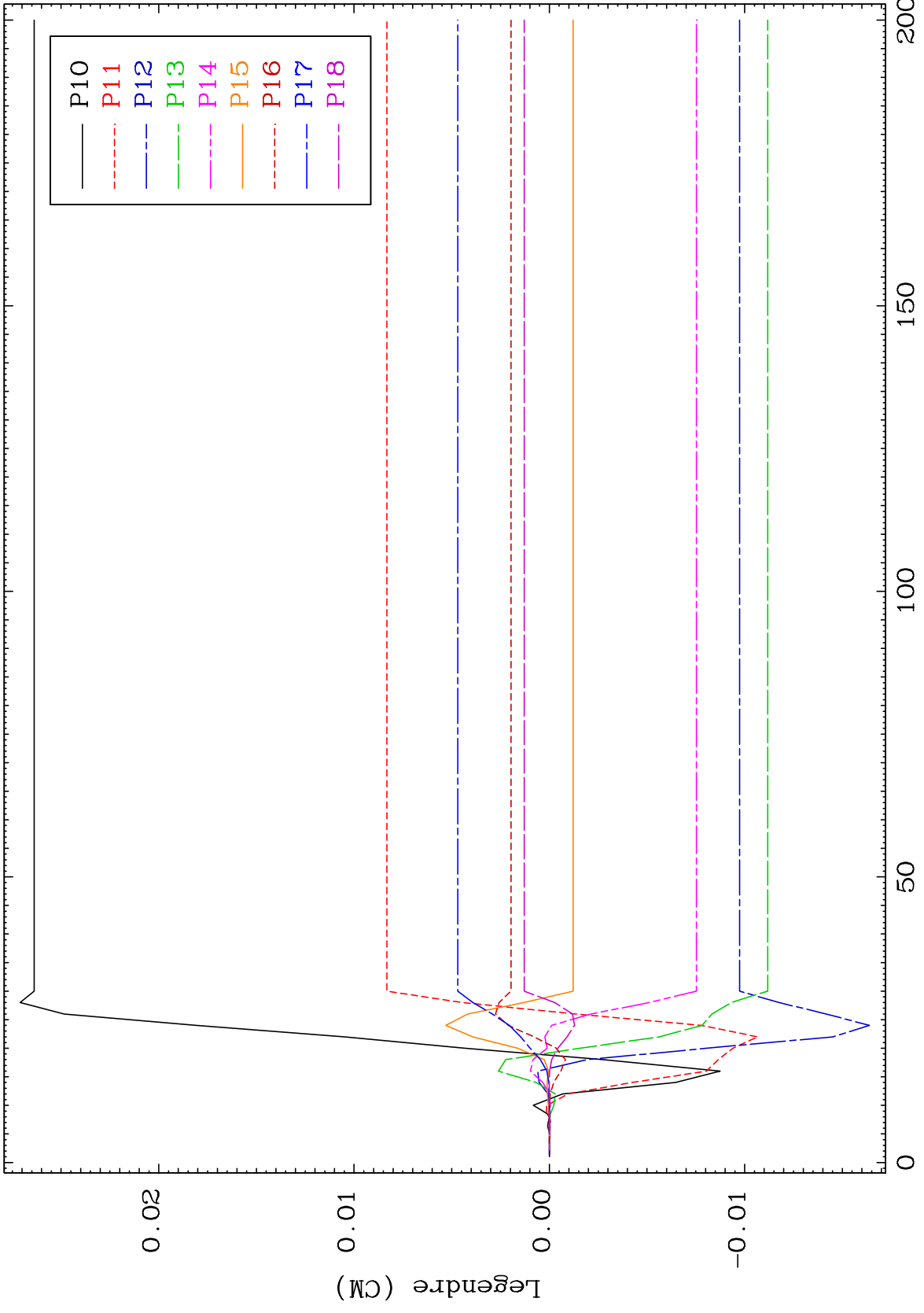


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Incident Energy (MeV)

75-Re-190

MAT 7540 MT= 56 (n,n') Level Legendre Coefficients 75-Re-190

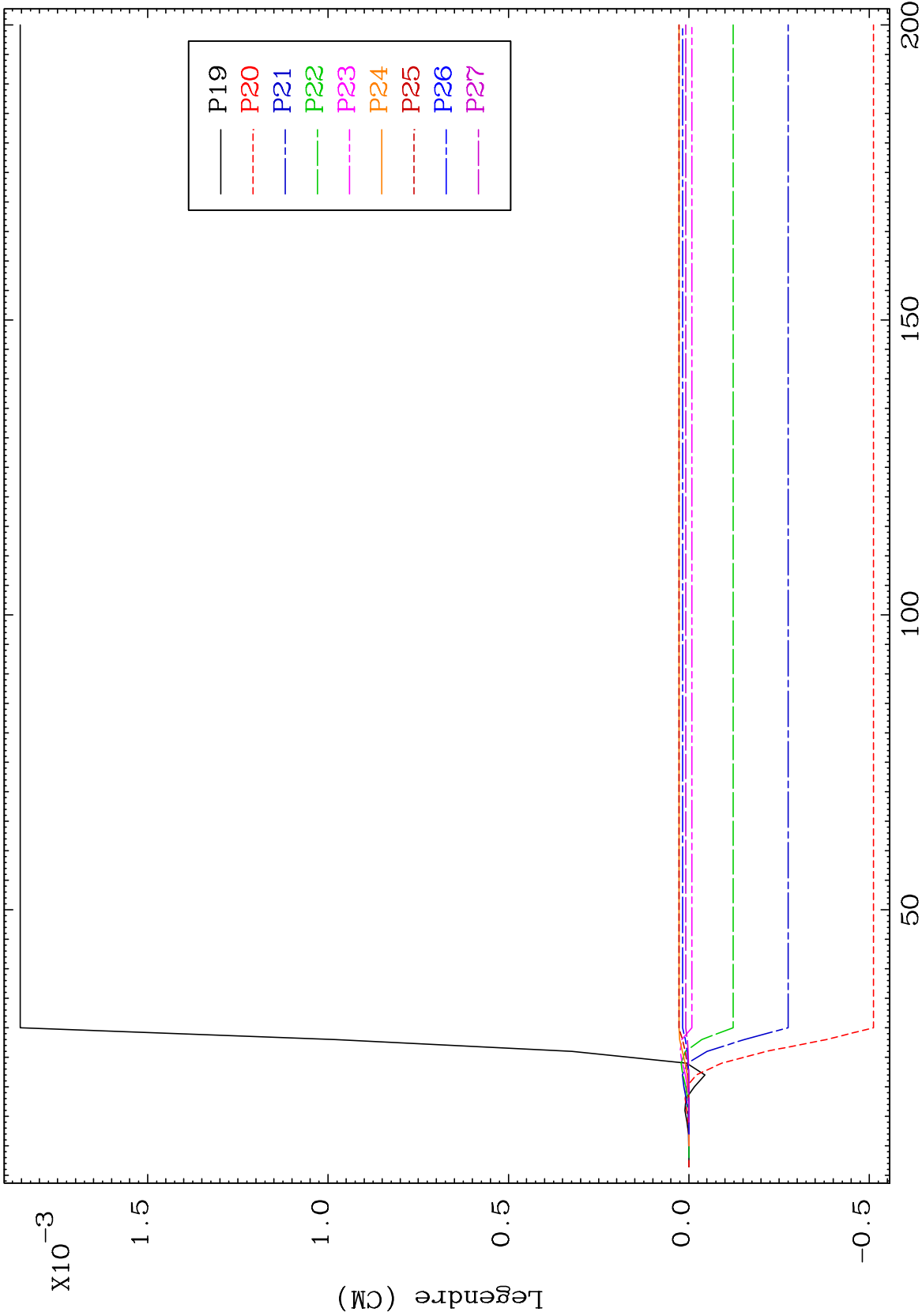


37 75-Re-190

MAT 7540

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

75-Re-190



38

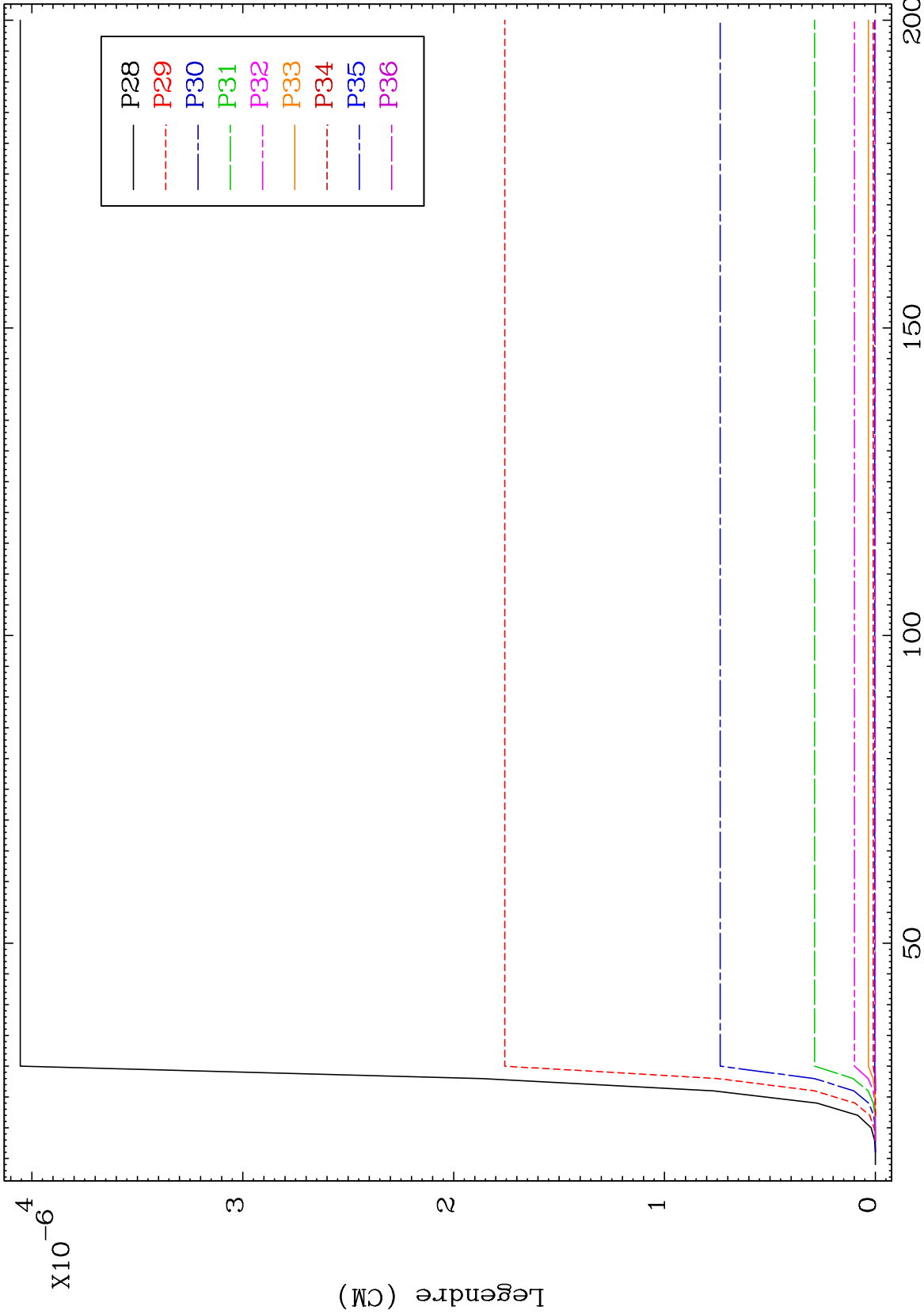
Incident Energy (MeV)

75-Re-190

MAT 7540

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

75-Re-190

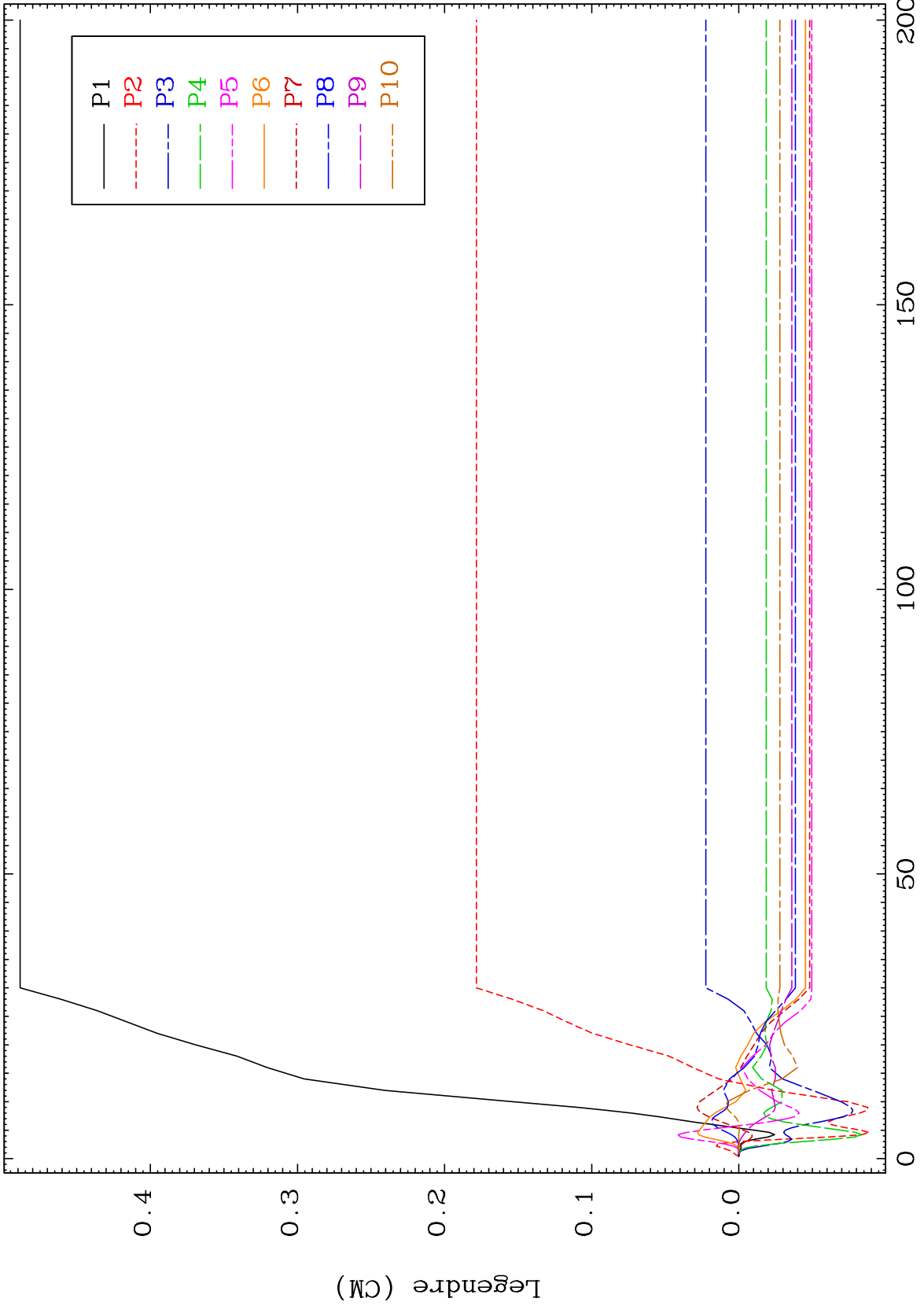


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Incident Energy (MeV)

75-Re-190

MAT 7540 MT= 57 (n,n') Level Legendre Coefficients 75-Re-190

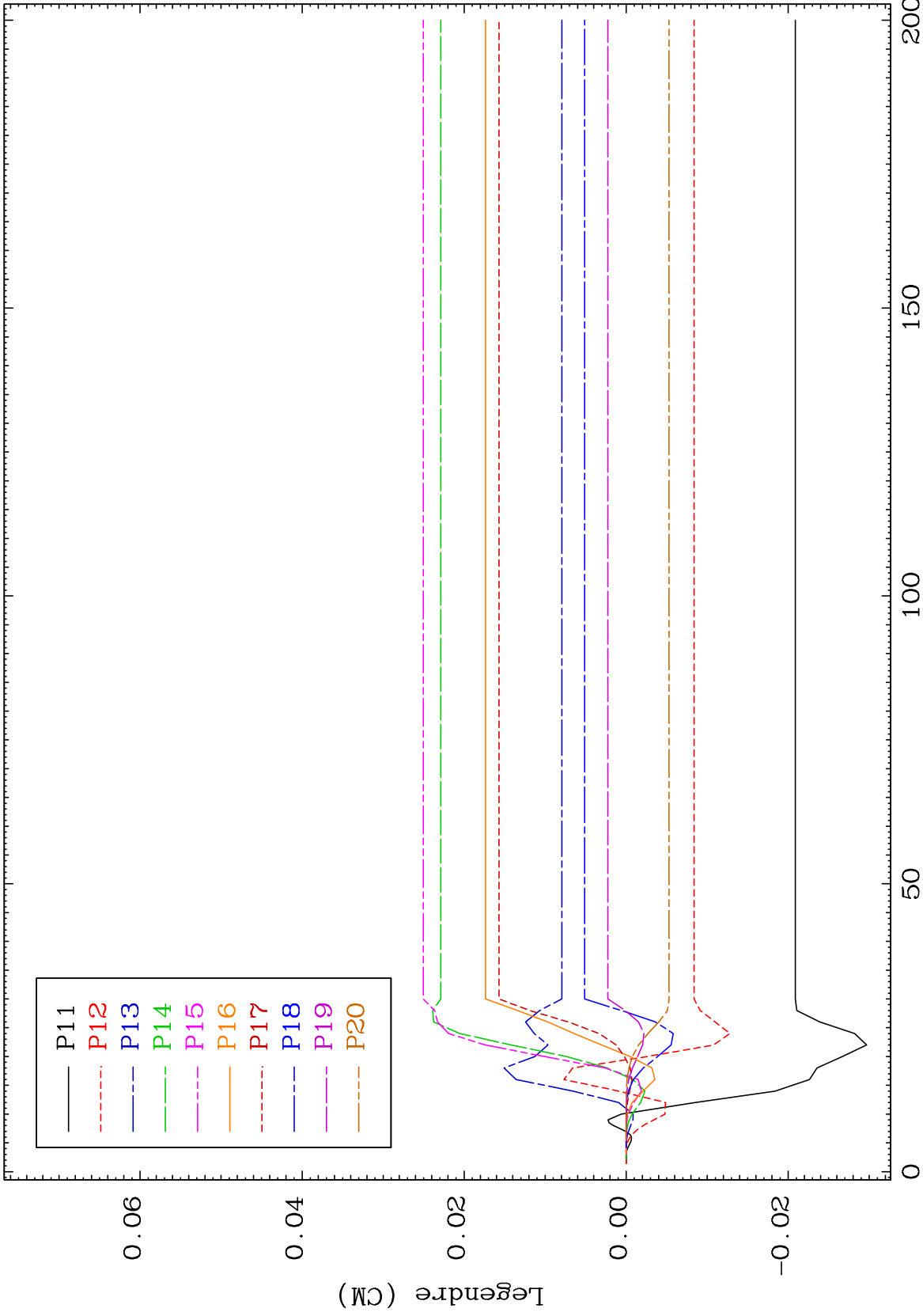


Legendre (CM) Incident Energy (MeV) 75-Re-190

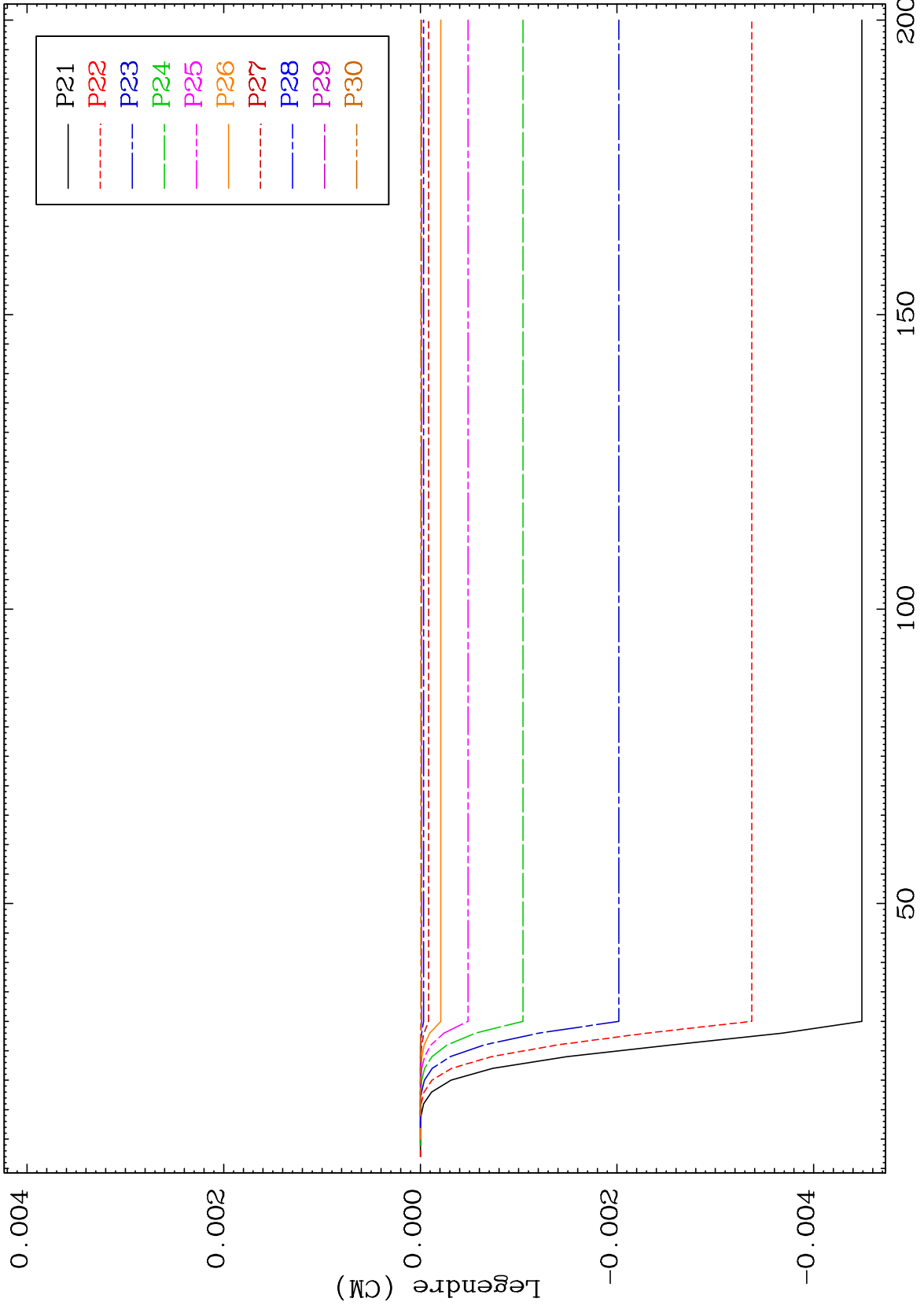
MAT 7540

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

75-Re-190

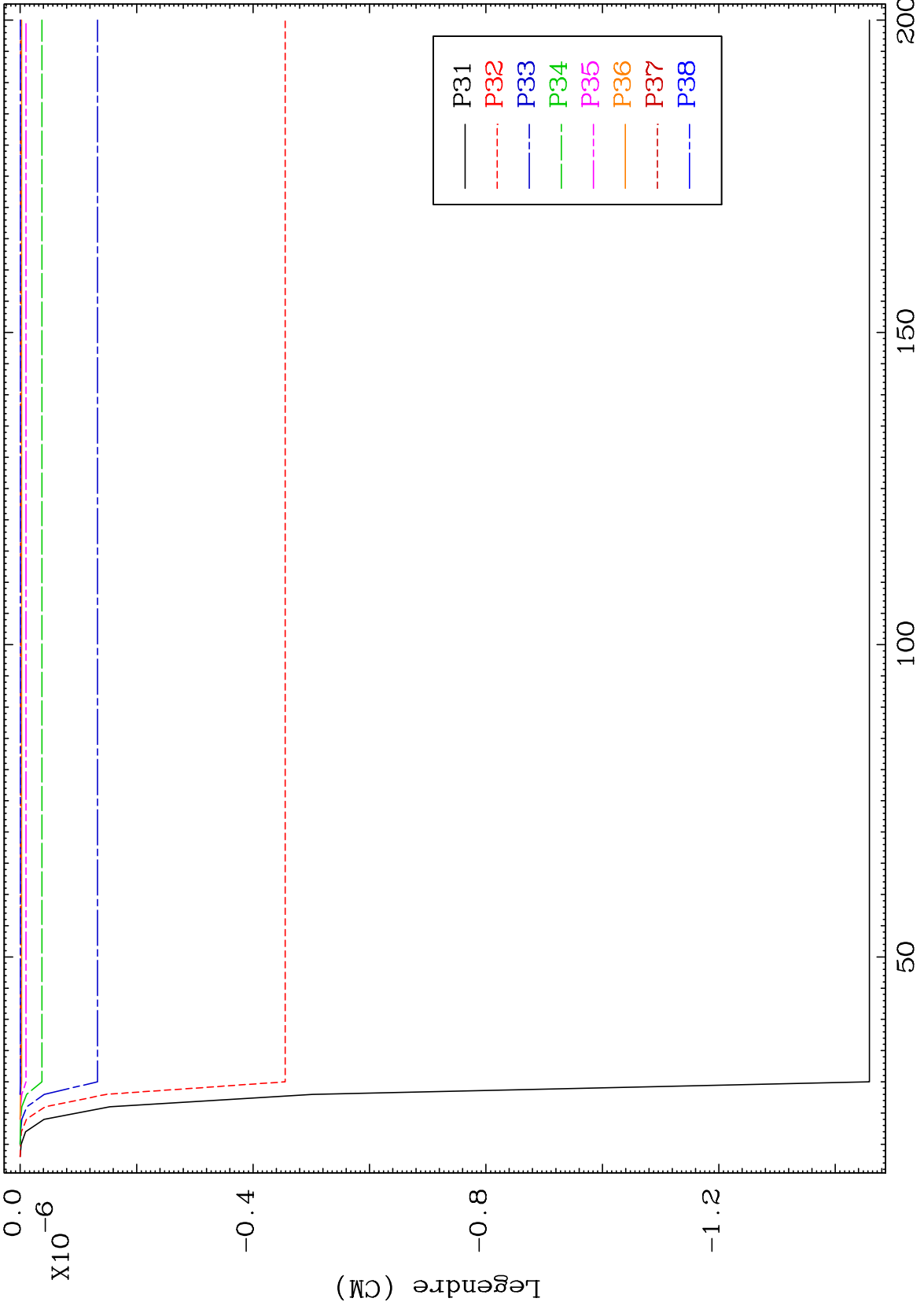


MAT 7540 MT= 57 (n,n') Level Legendre Coefficients 75-Re-190



42 Incident Energy (MeV) 75-Re-190

MAT 7540 MT= 57 (n,n') Level Legendre Coefficients 75-Re-190

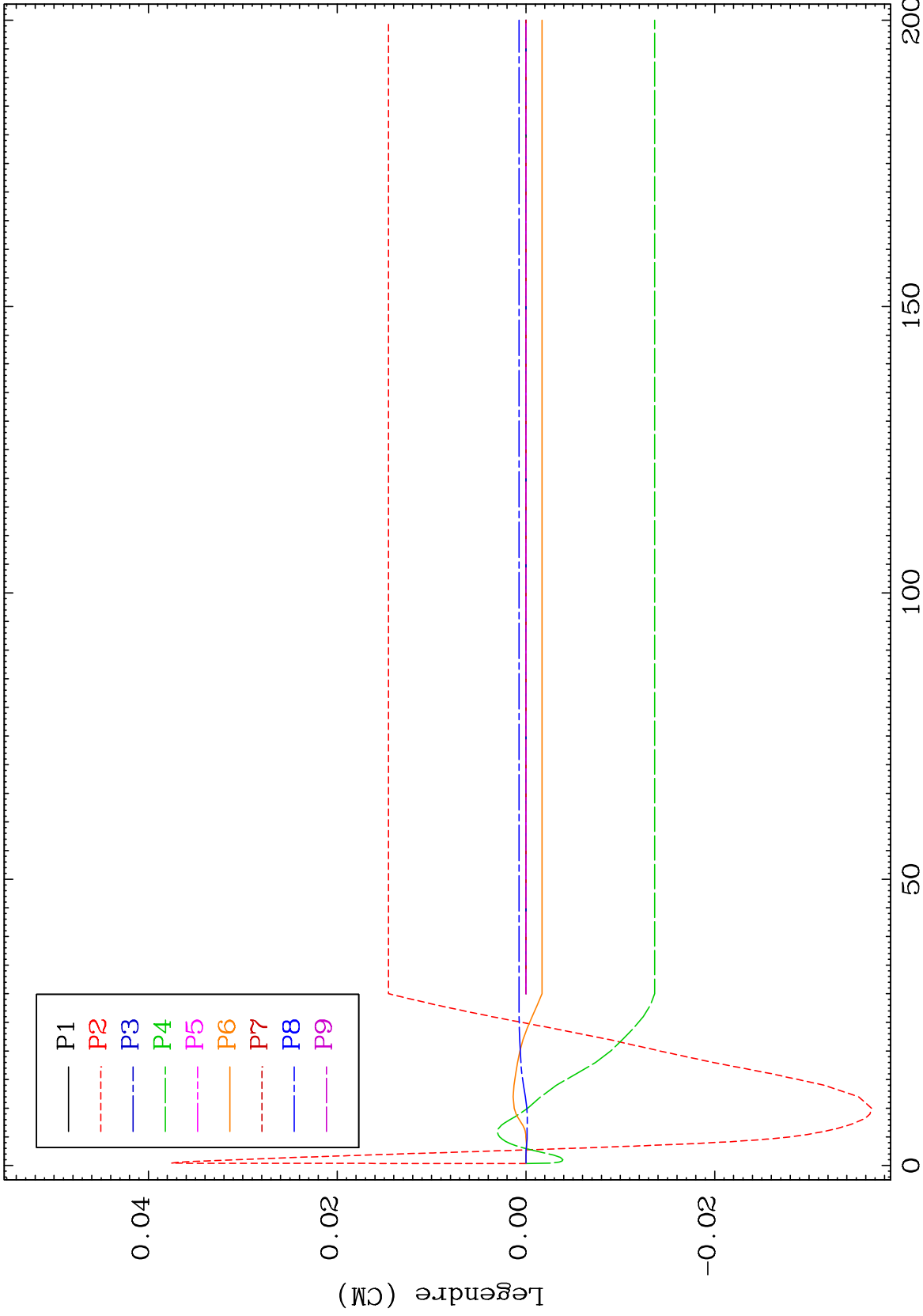


43 Incident Energy (MeV) 75-Re-190

MAT 7540

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

75-Re-190



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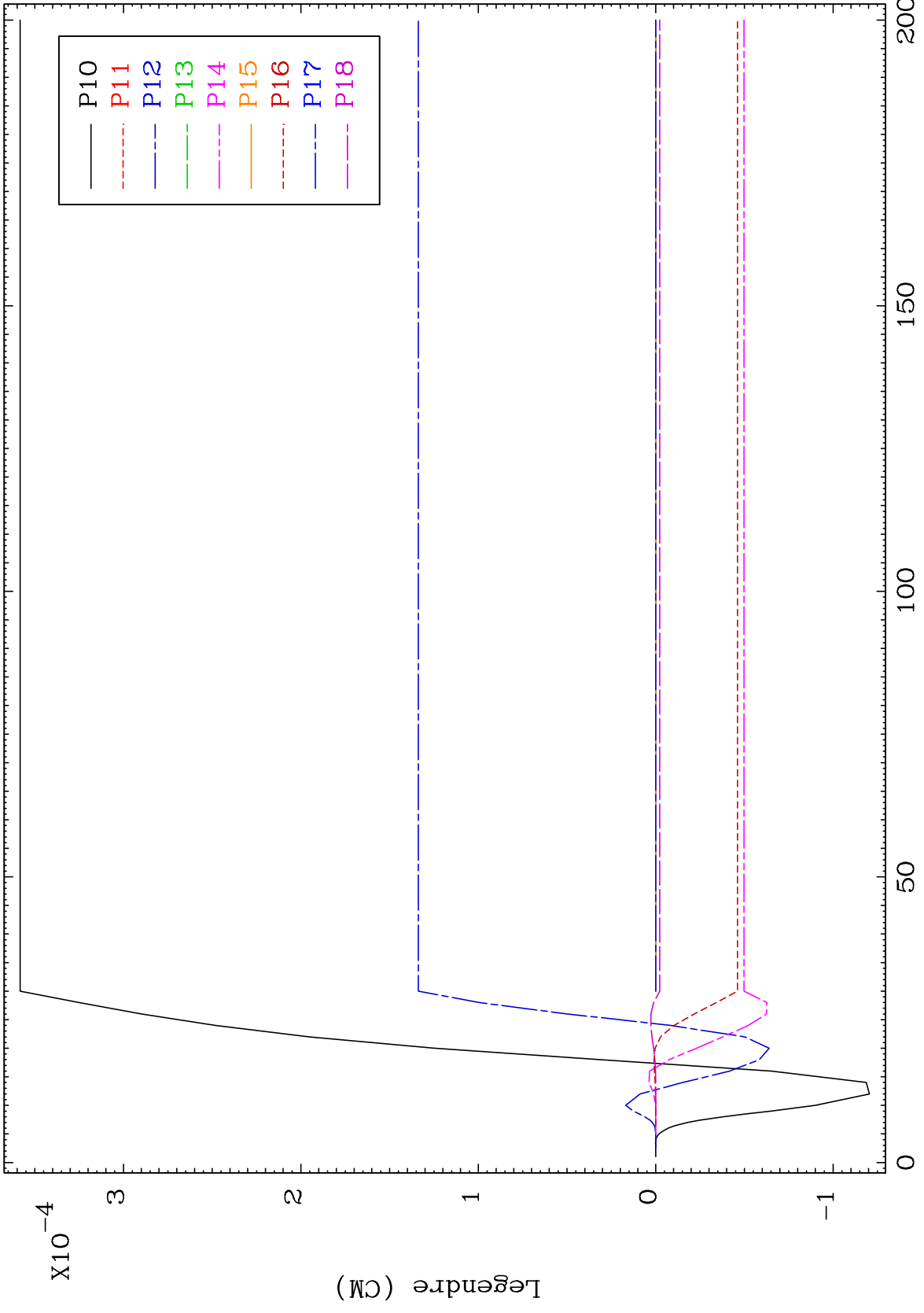
Incident Energy (MeV)

75-Re-190

MAT 7540

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

75-Re-190

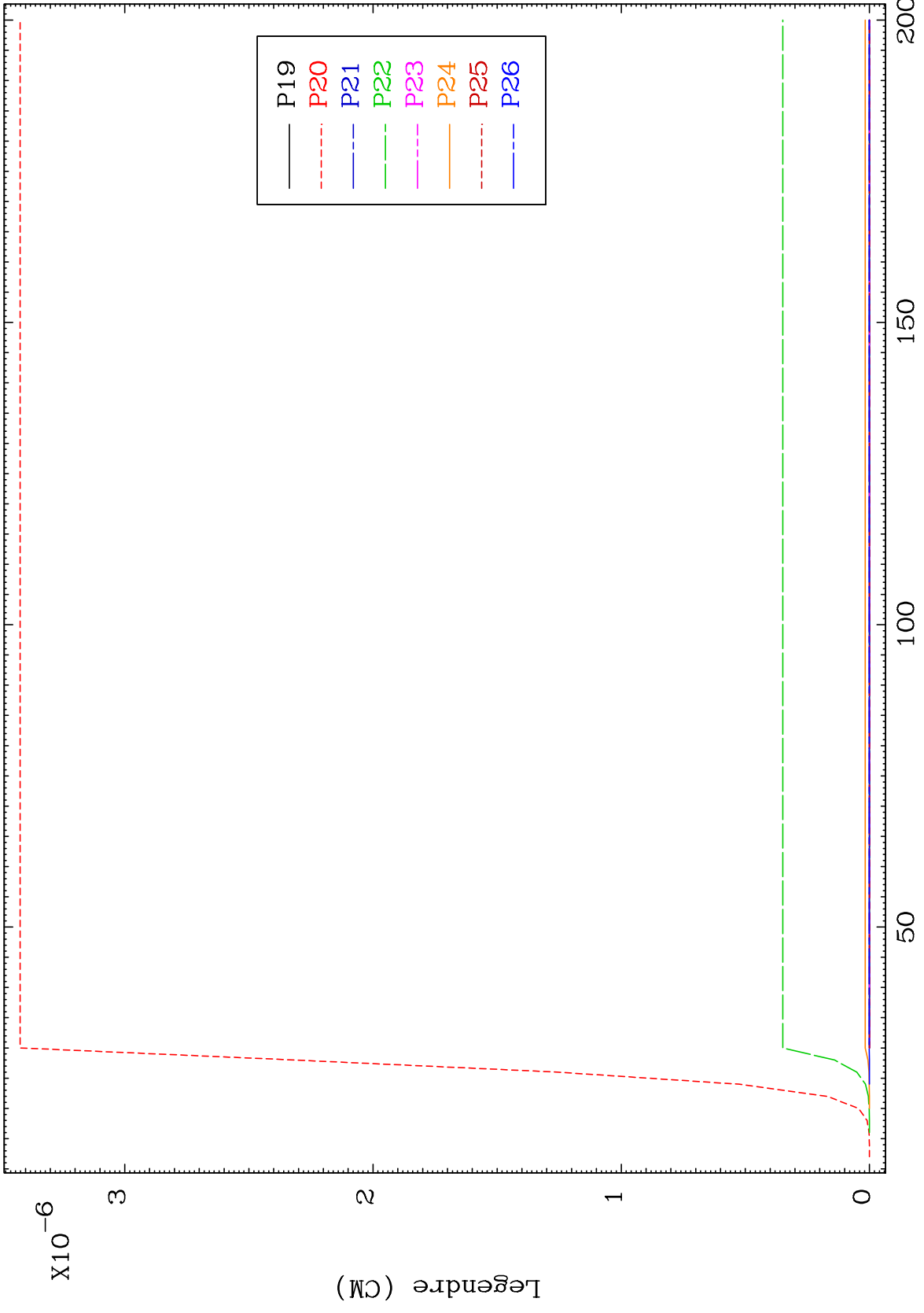


45

Incident Energy (MeV)

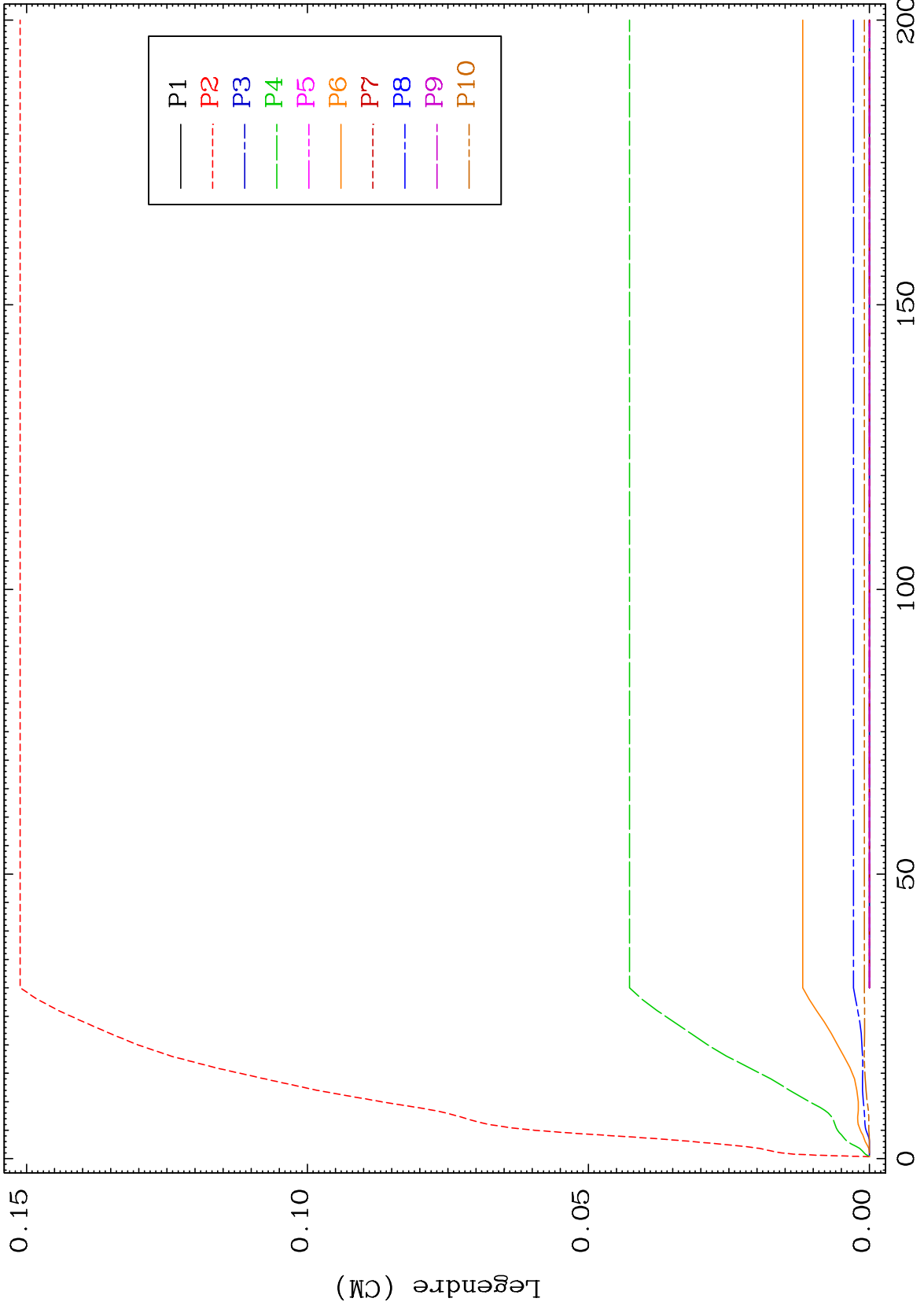
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MAT 7540 MT= 58 (n,n') Level Legendre Coefficients 75-Re-190



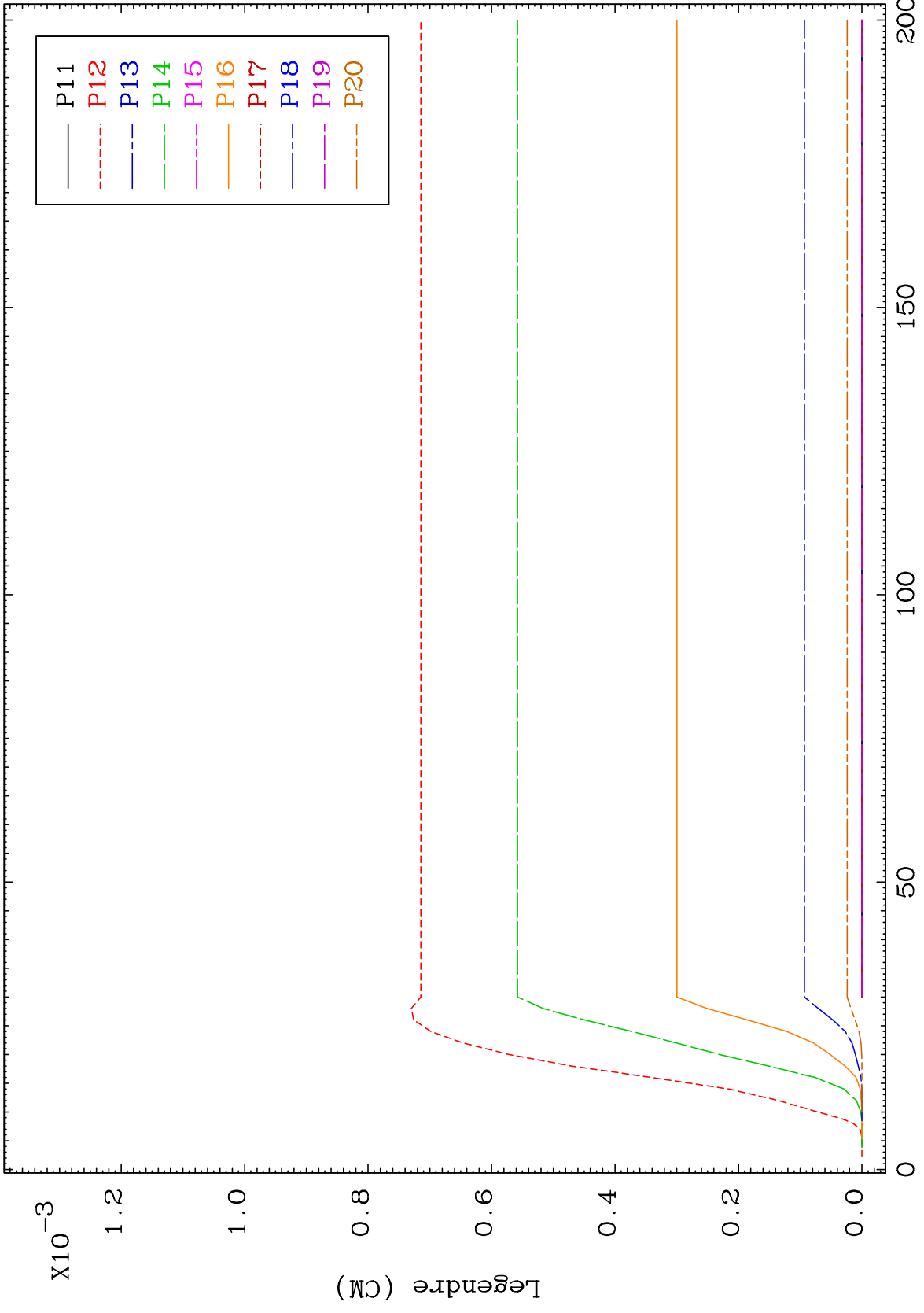
46 Incident Energy (MeV) 75-Re-190

MAT 7540 MT= 59 (n,n') Level Legendre Coefficients 75-Re-190



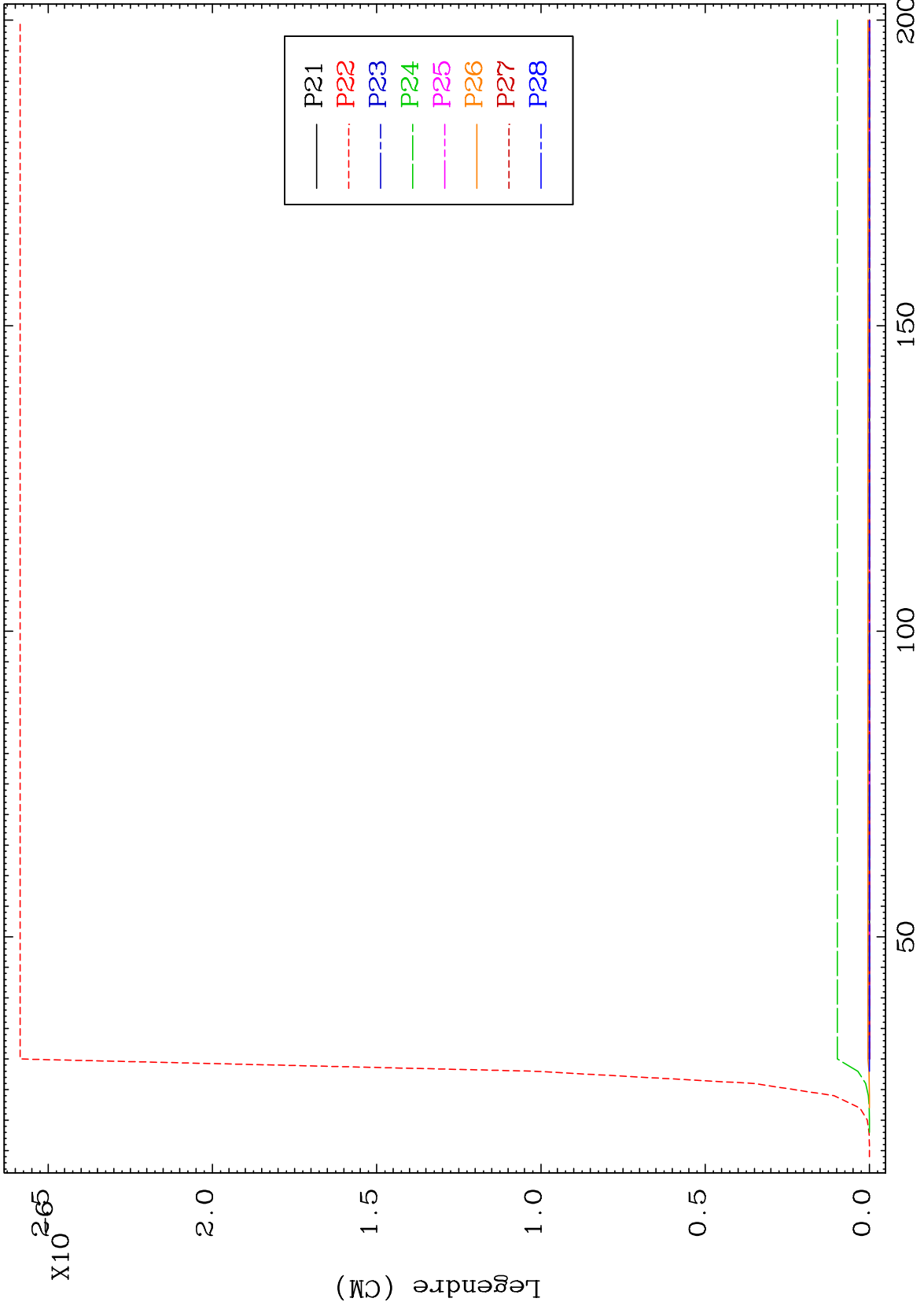
47 Incident Energy (MeV) 75-Re-190

MAT 7540 MT= 59 (n,n') Level Legendre Coefficients 75-Re-190



48 75-Re-190

MAT 7540 MT= 59 (n,n') Level Legendre Coefficients 75-Re-190

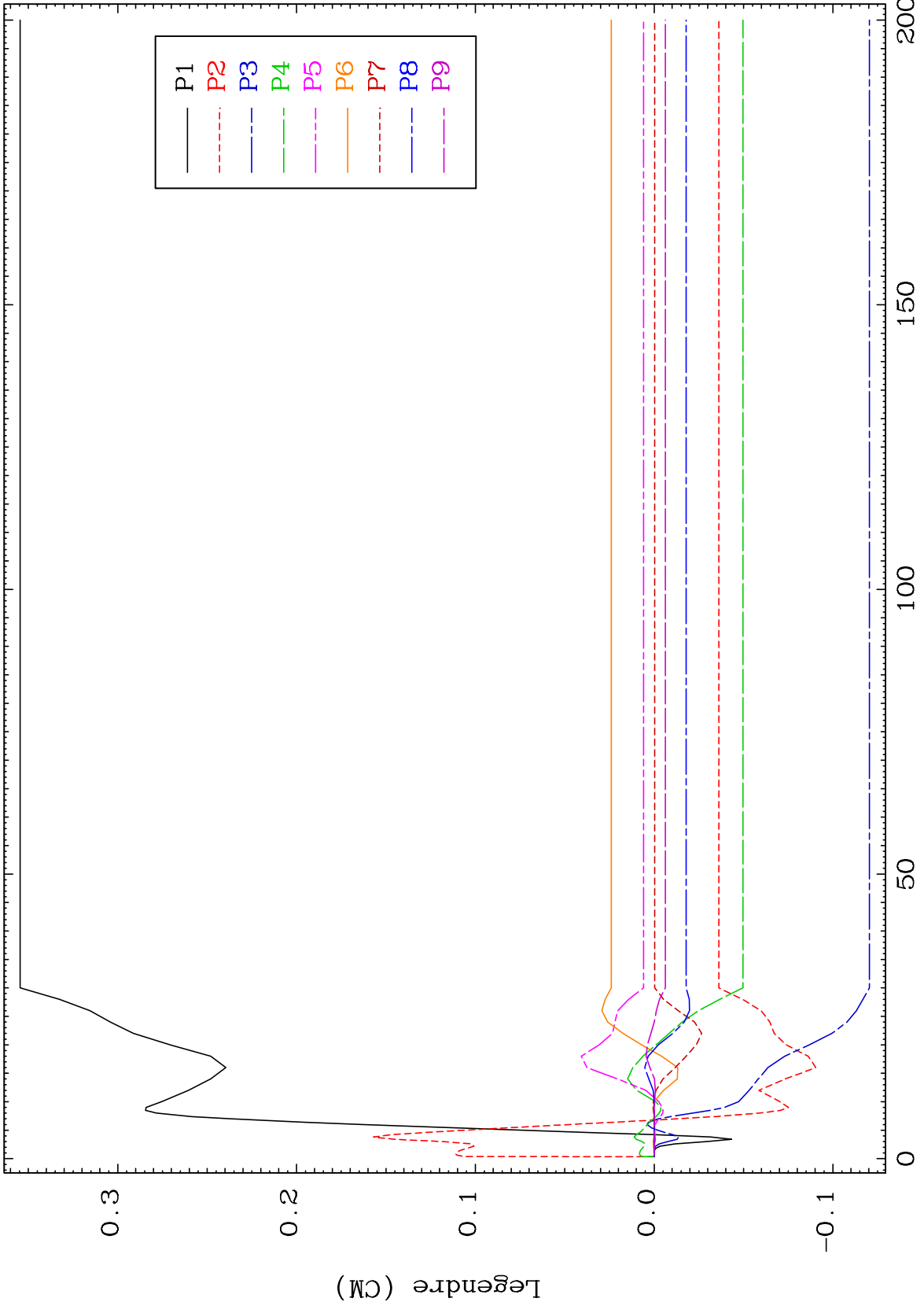


49 Incident Energy (MeV) 75-Re-190

MAT 7540

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

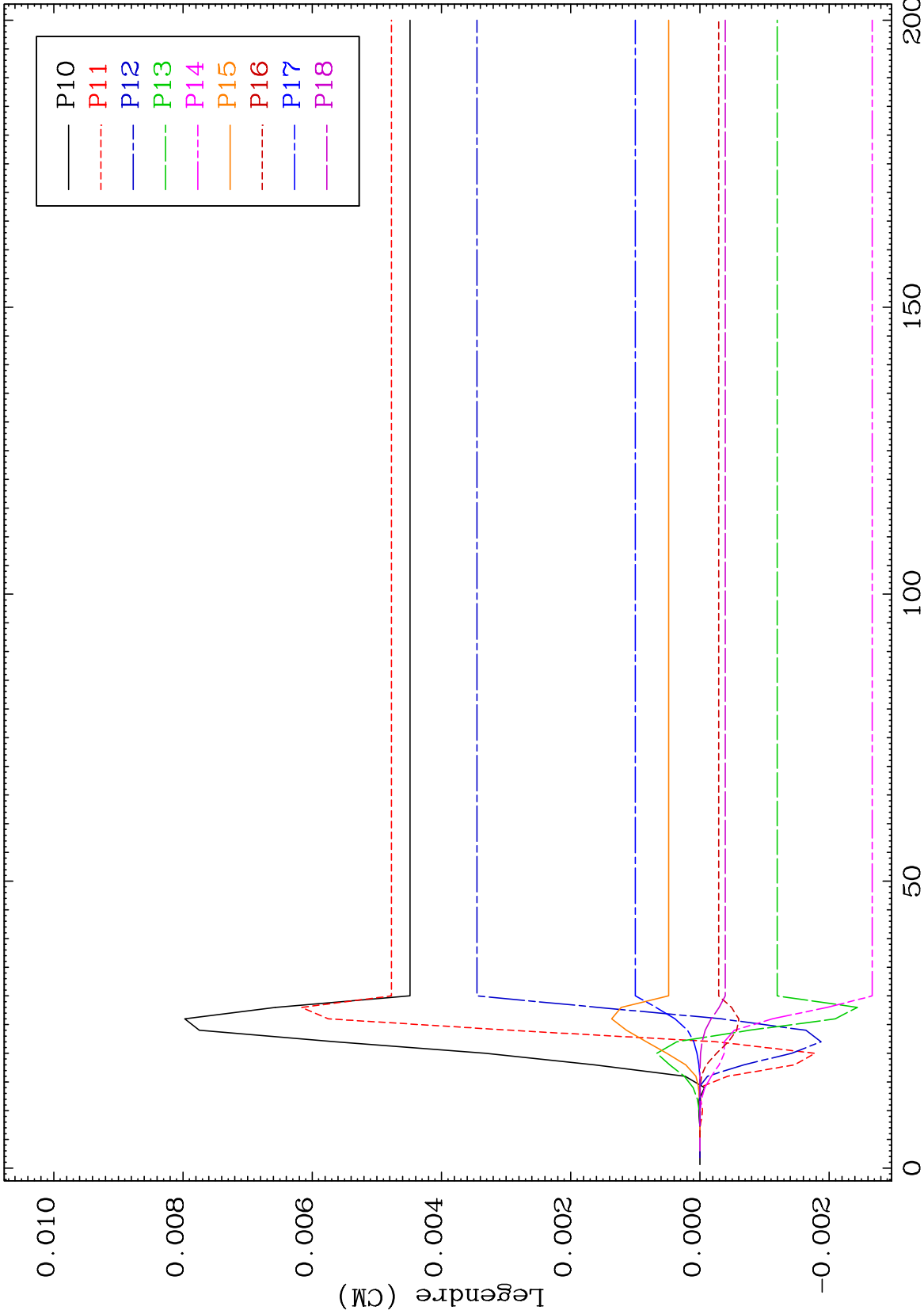
75-Re-190



MAT 7540

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

75-Re-190



51

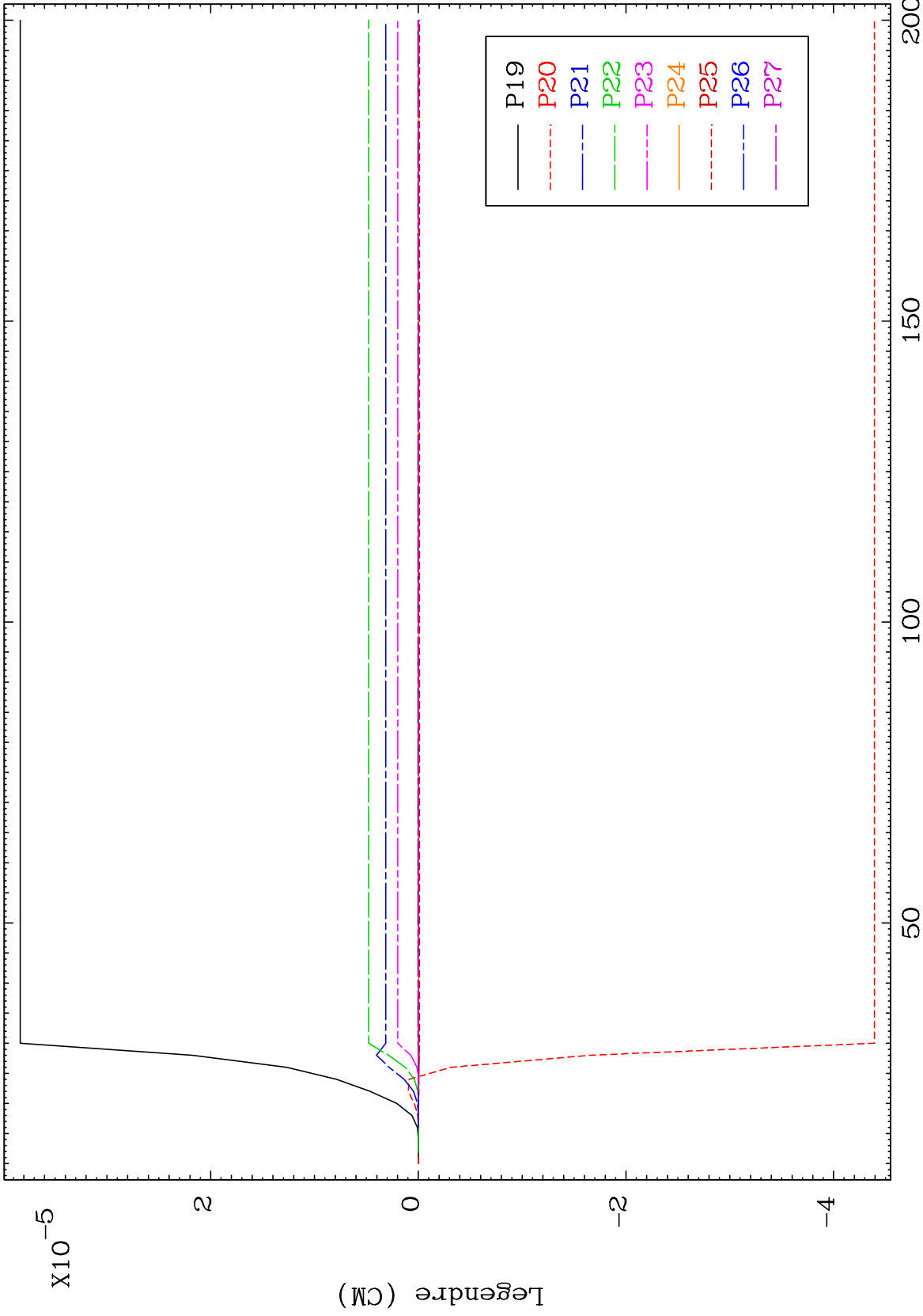
Incident Energy (MeV)

75-Re-190

MAT 7540

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

75-Re-190

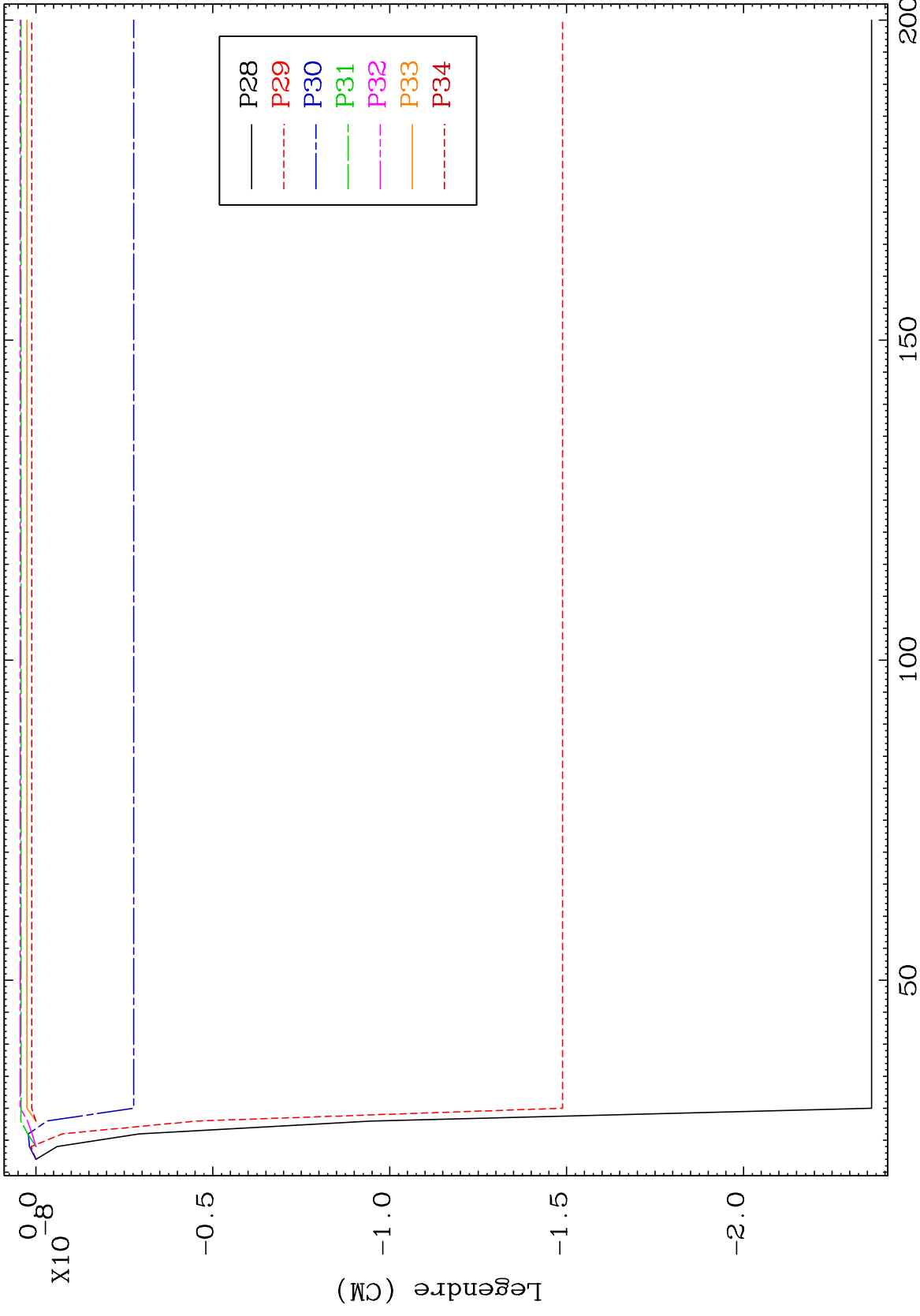


52

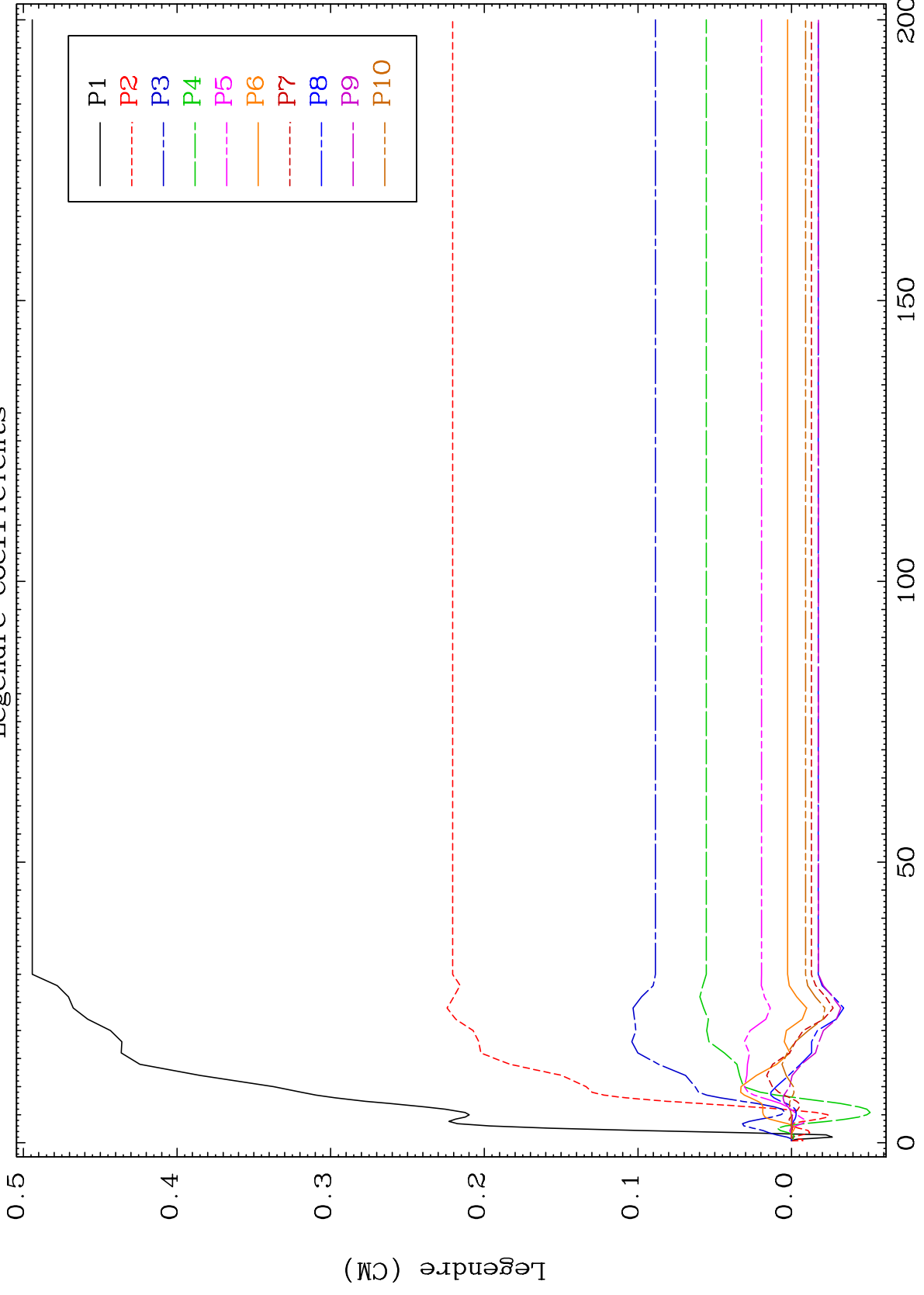
Incident Energy (MeV)

75-Re-190

MAT 7540 MT= 60 (n,n') Level Legendre Coefficients 75-Re-190

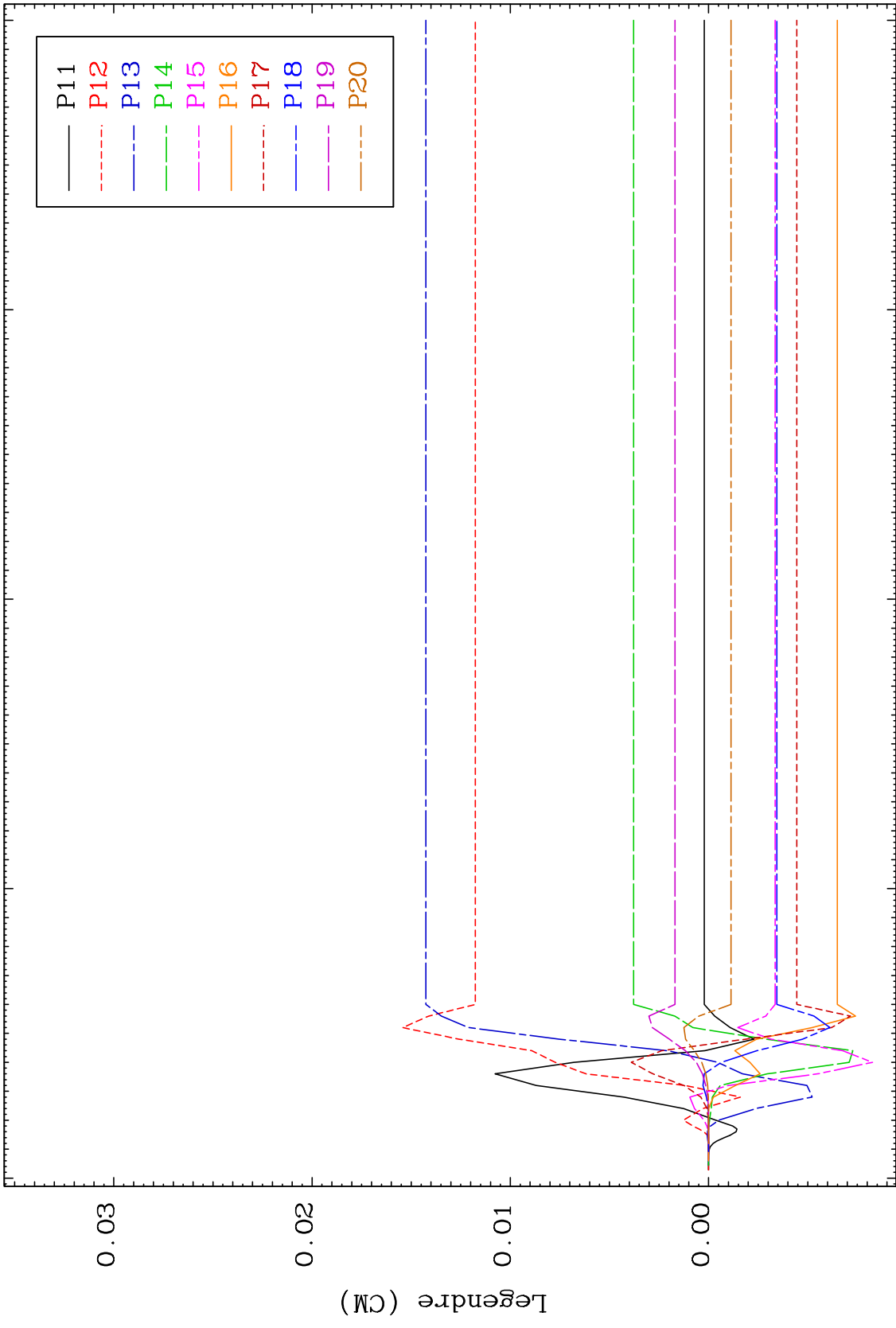


MAT 7540 MT= 61 (n,n') Level Legendre Coefficients 75-Re-190



54 75-Re-190

MAT 7540 MT= 61 (n,n') Level Legendre Coefficients 75-Re-190

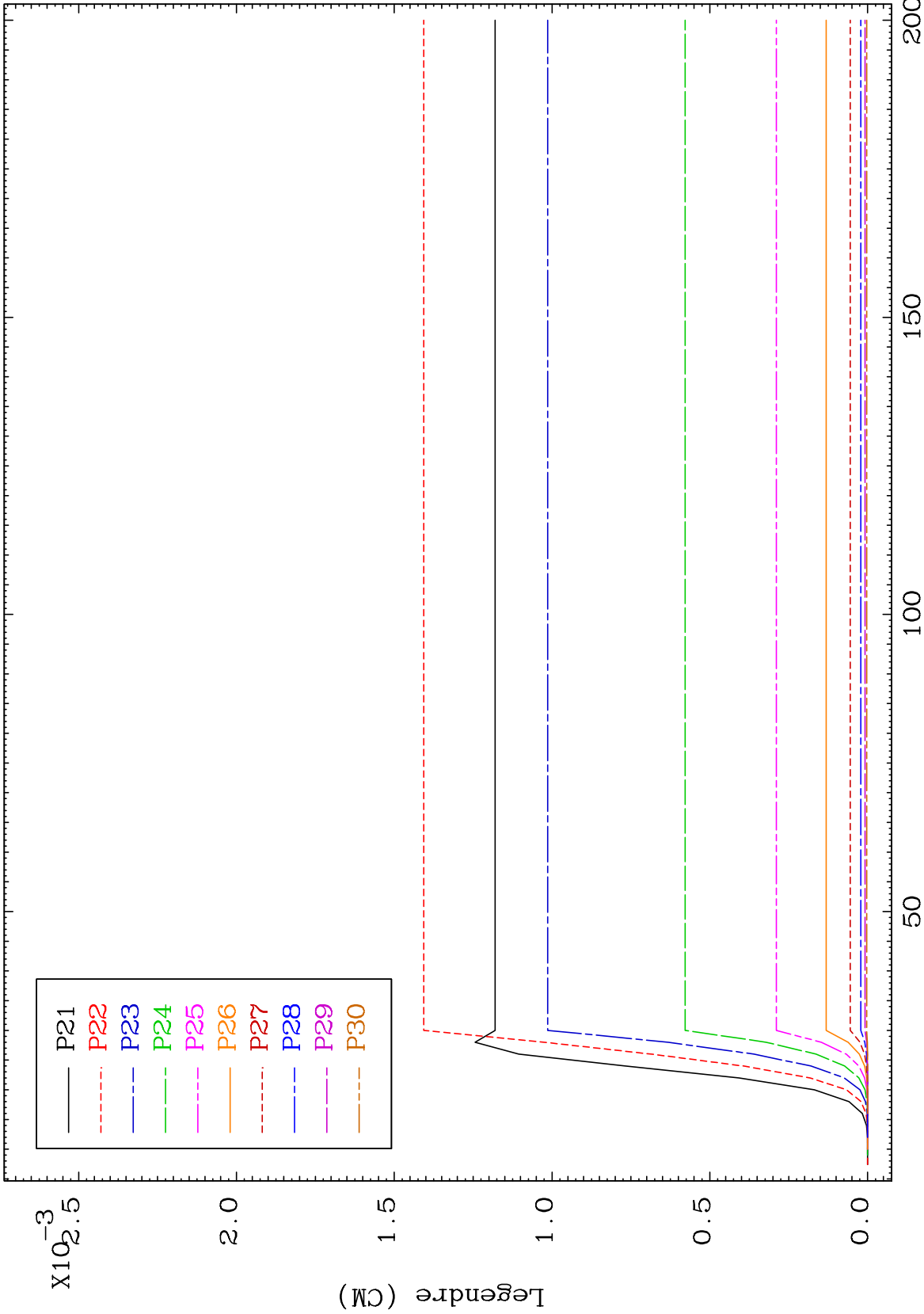


55 75-Re-190

MAT 7540

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

75-Re-190

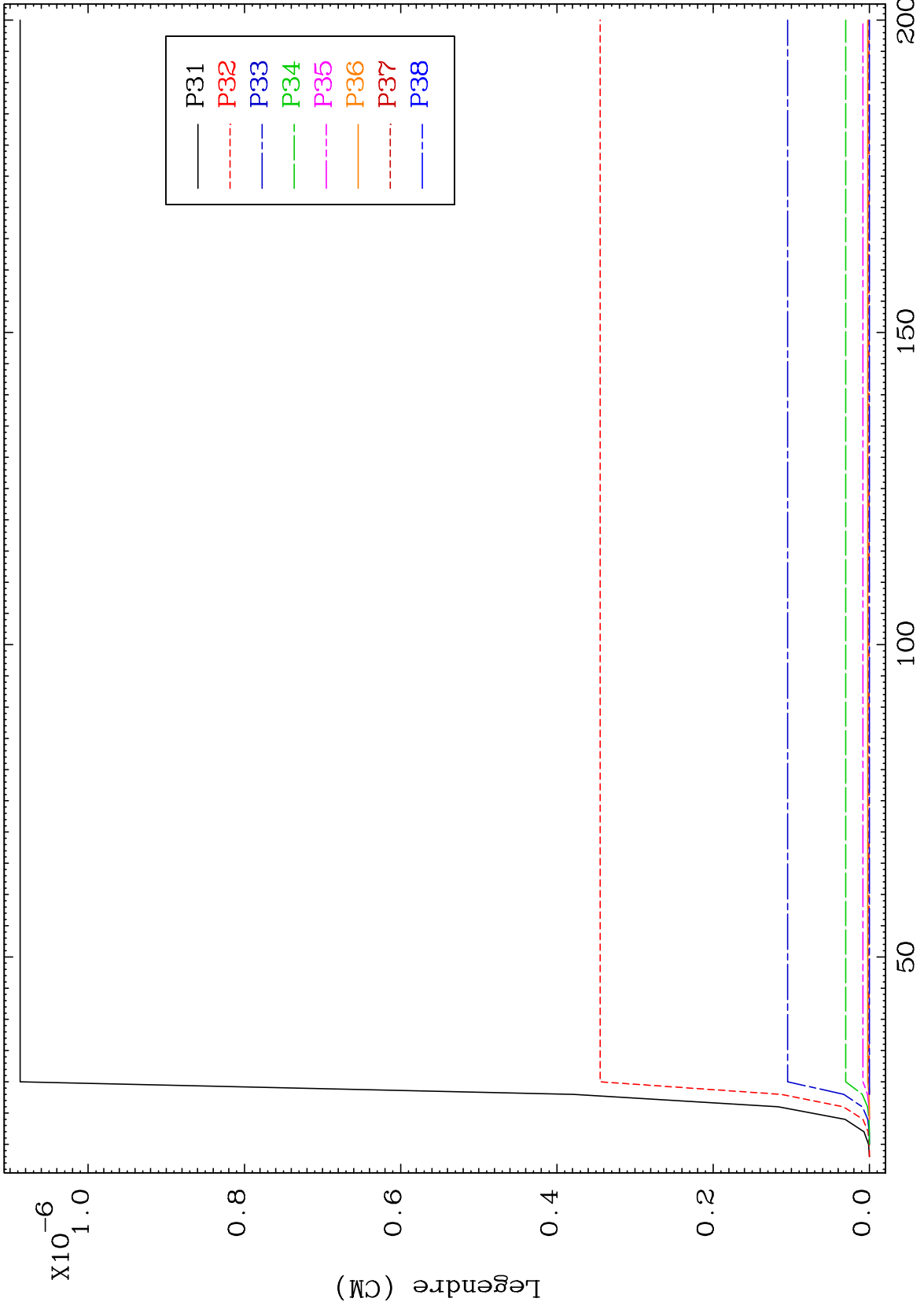


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Incident Energy (MeV)

75-Re-190

MAT 7540 MT= 61 (n,n') Level Legendre Coefficients 75-Re-190

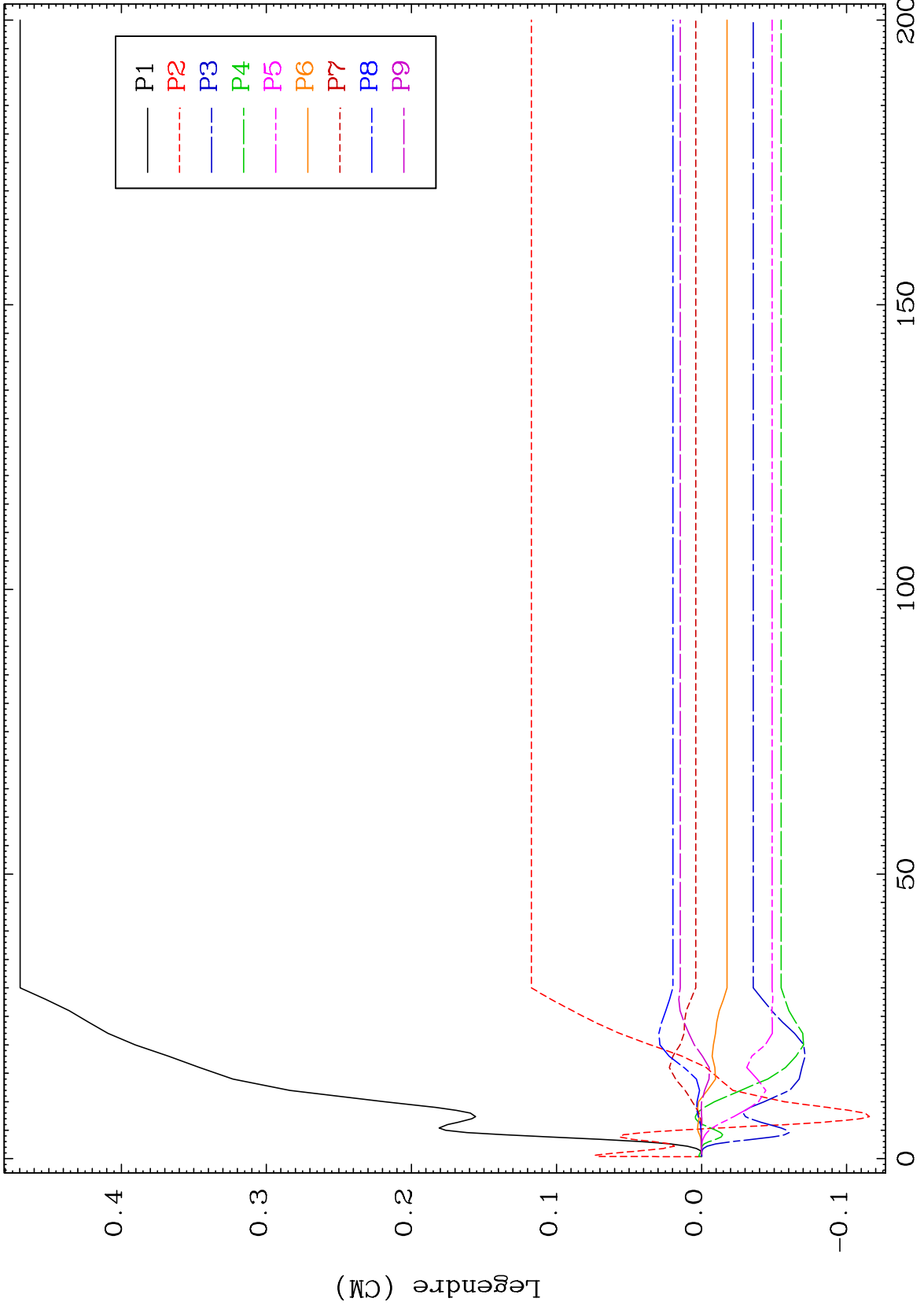


57 75-Re-190

MAT 7540

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

75-Re-190



58

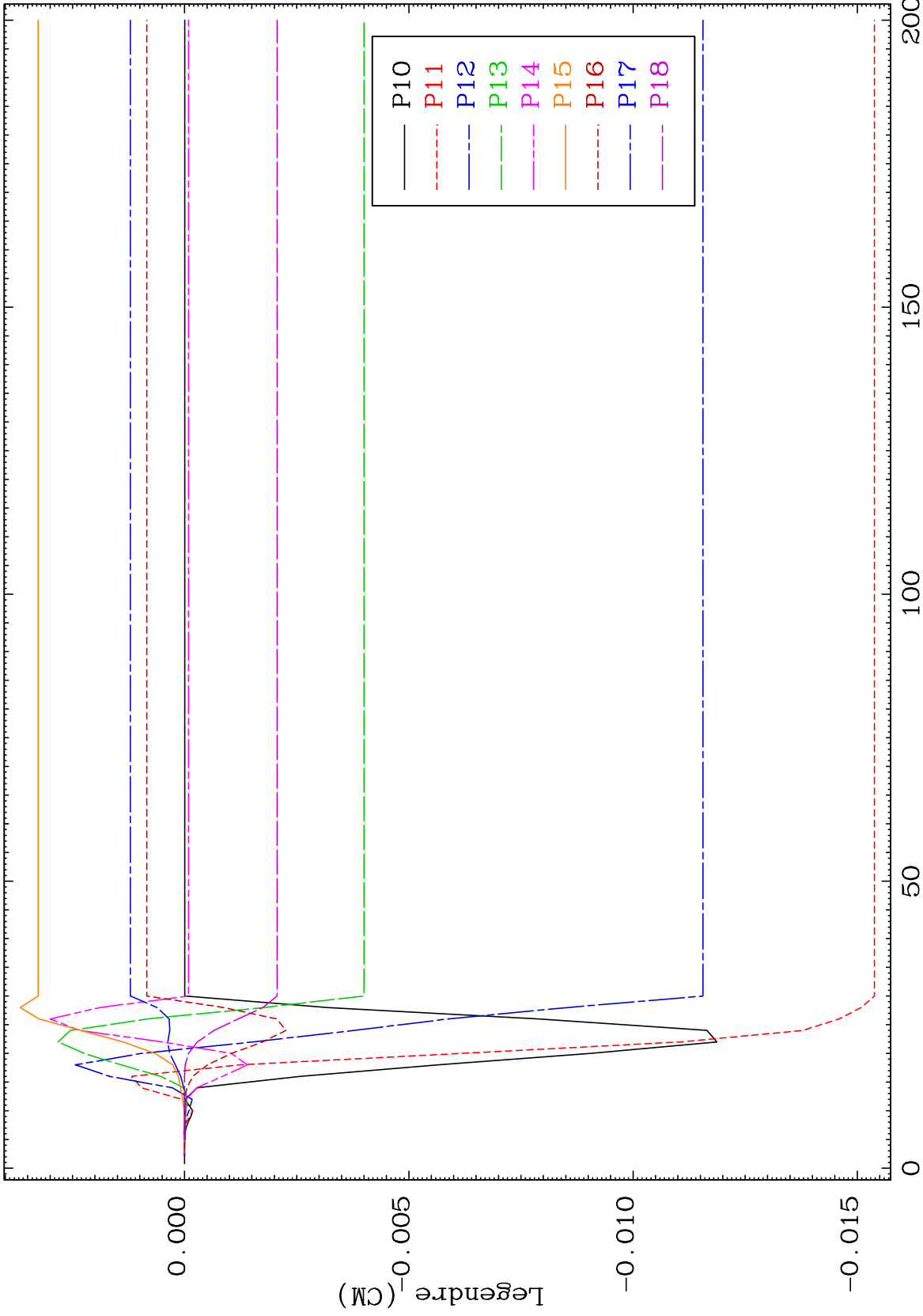
Incident Energy (MeV)

75-Re-190

MAT 7540

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

75-Re-190



59

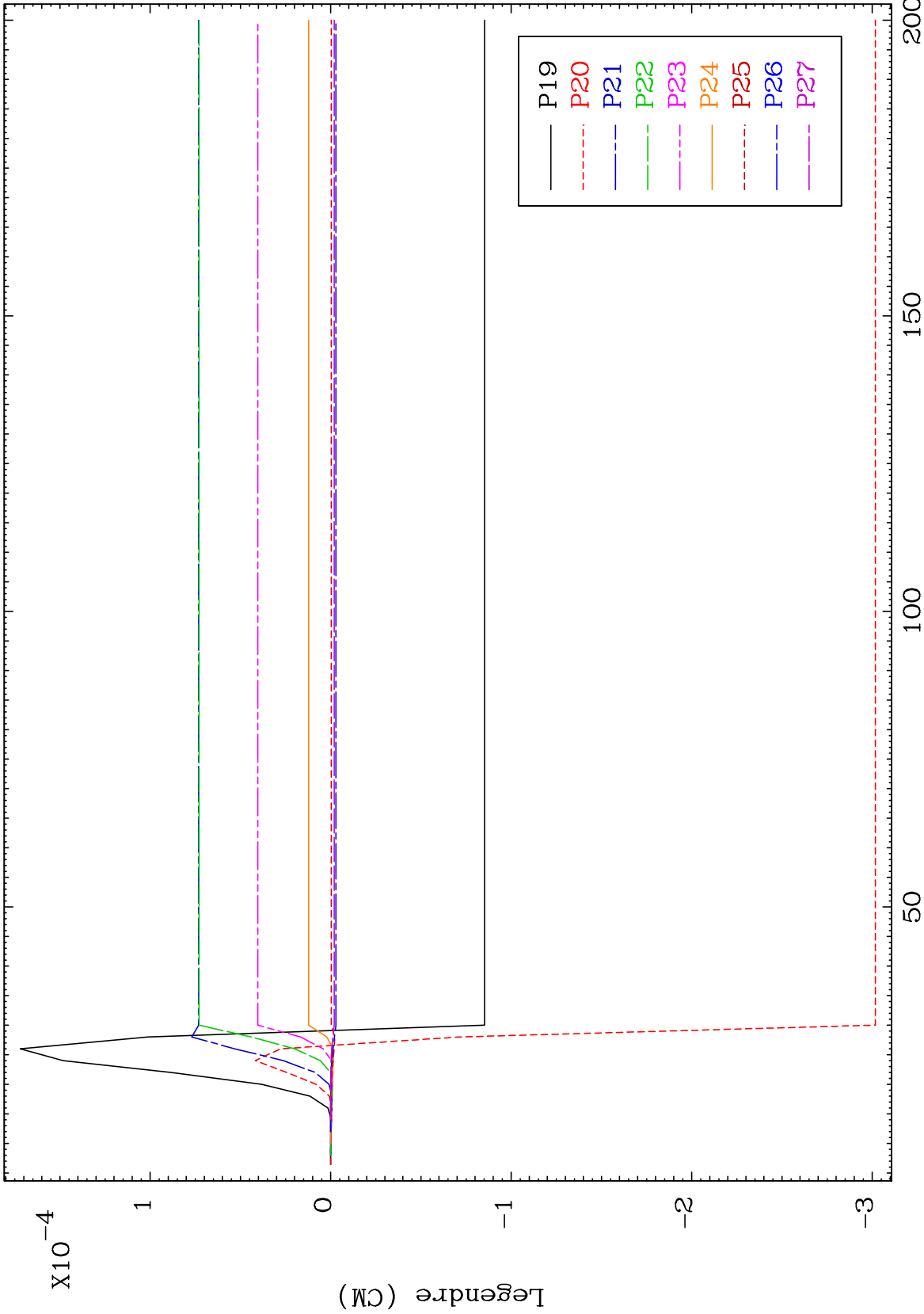
Incident Energy (MeV)

75-Re-190

MAT 7540

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

75-Re-190

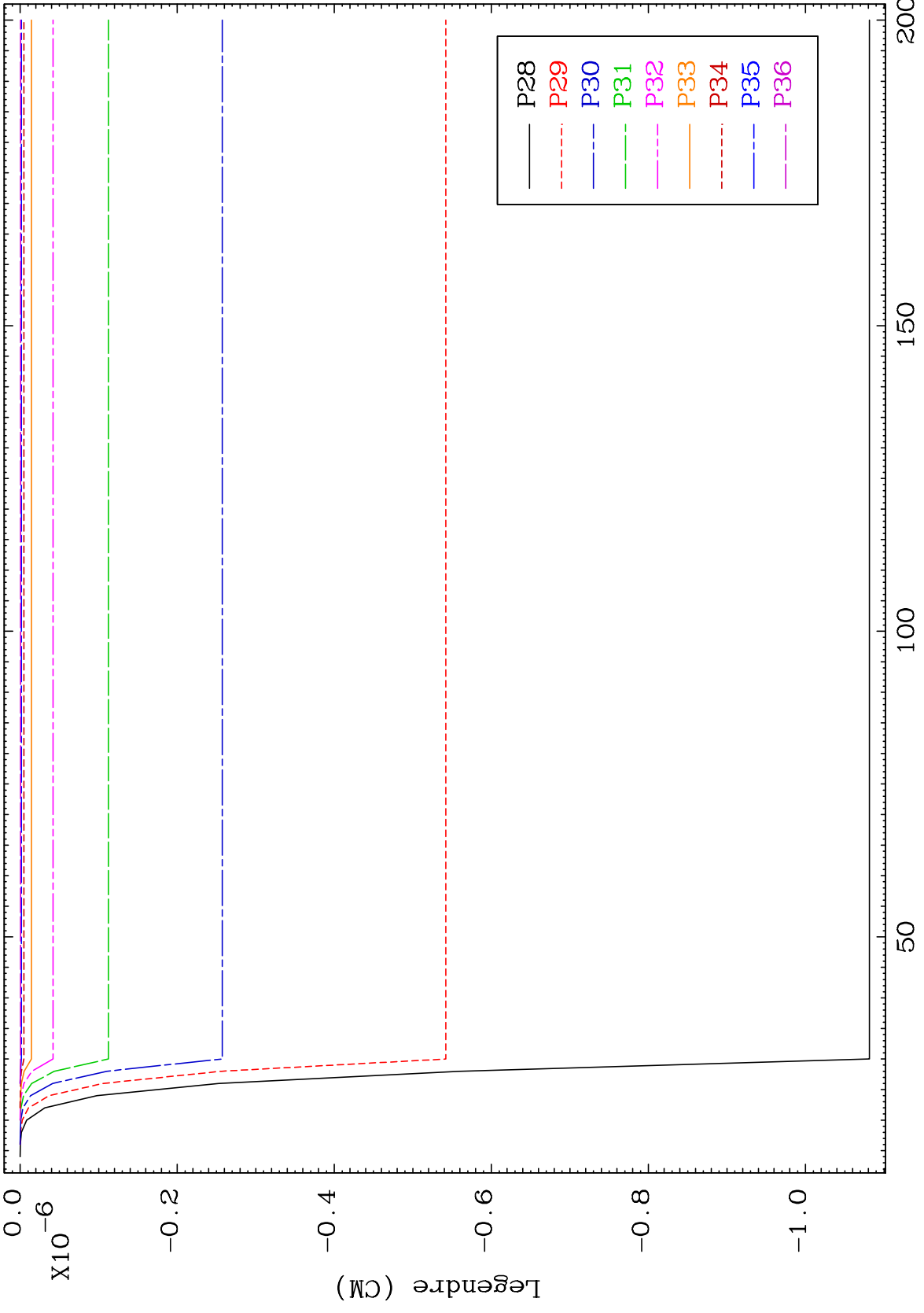


60

Incident Energy (MeV)

75-Re-190

MAT 7540 MT= 62 (n,n') Level Legendre Coefficients 75-Re-190

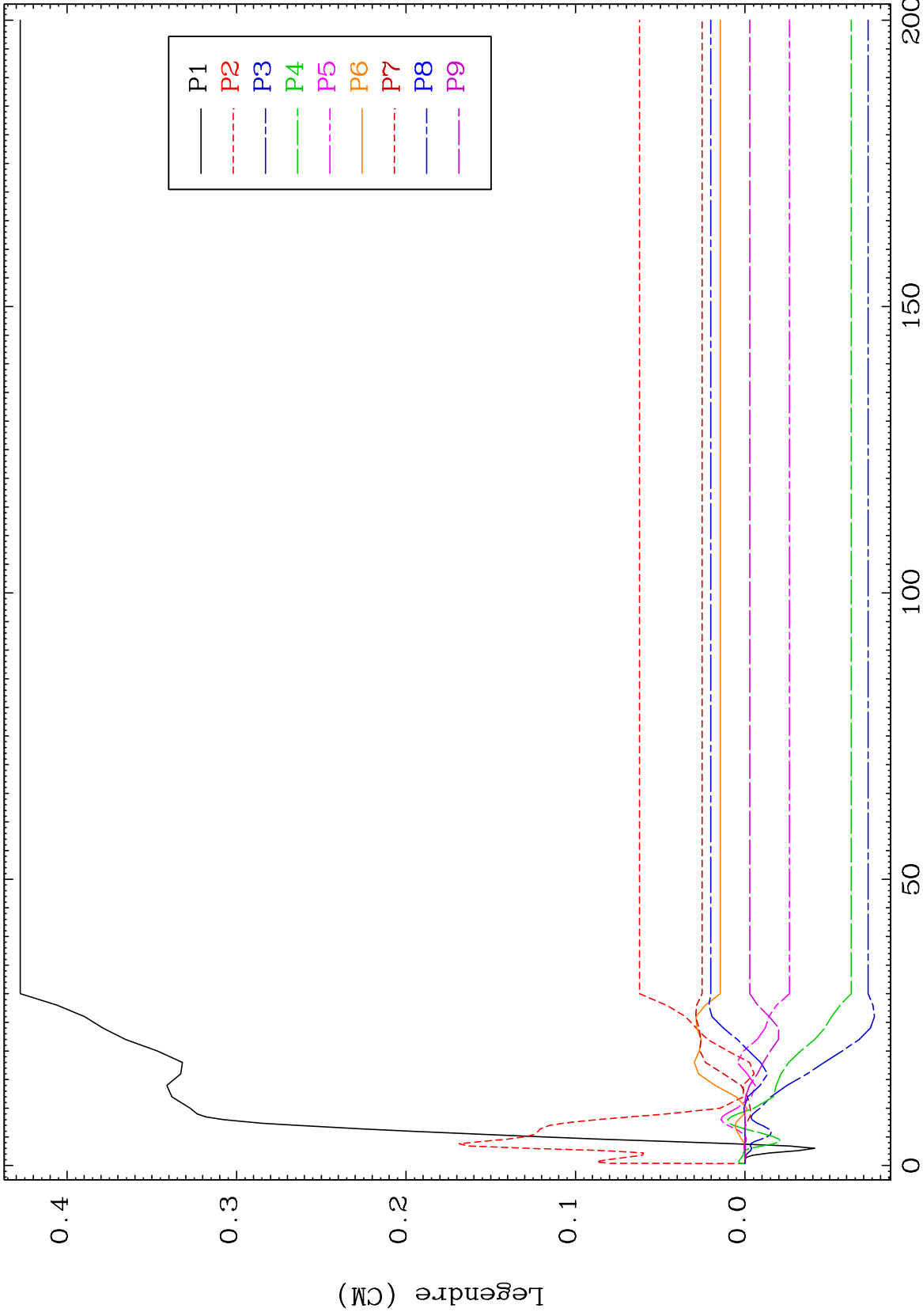


61 75-Re-190

MAT 7540

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

75-Re-190



62

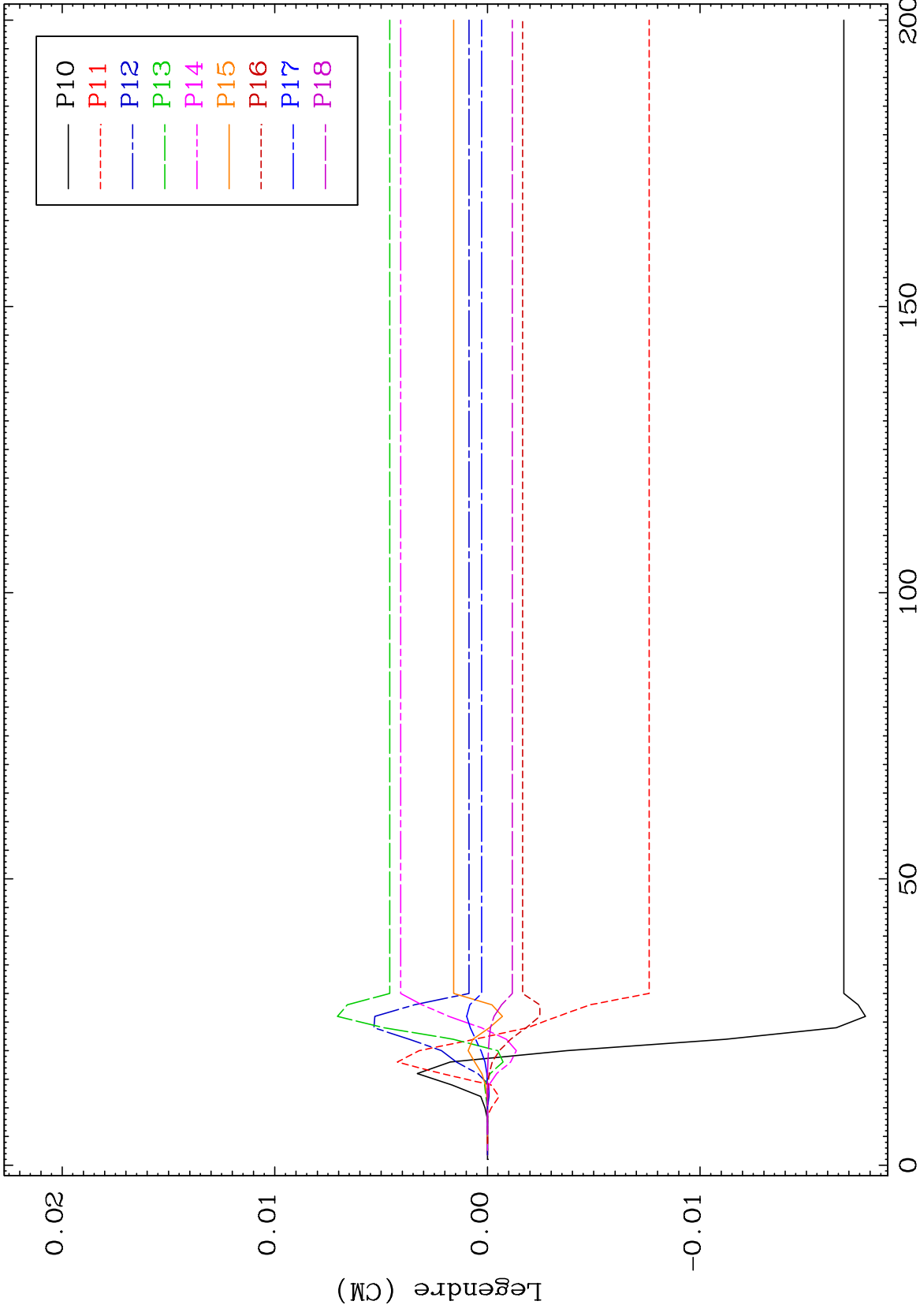
Incident Energy (MeV)

75-Re-190

MAT 7540

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

75-Re-190



63

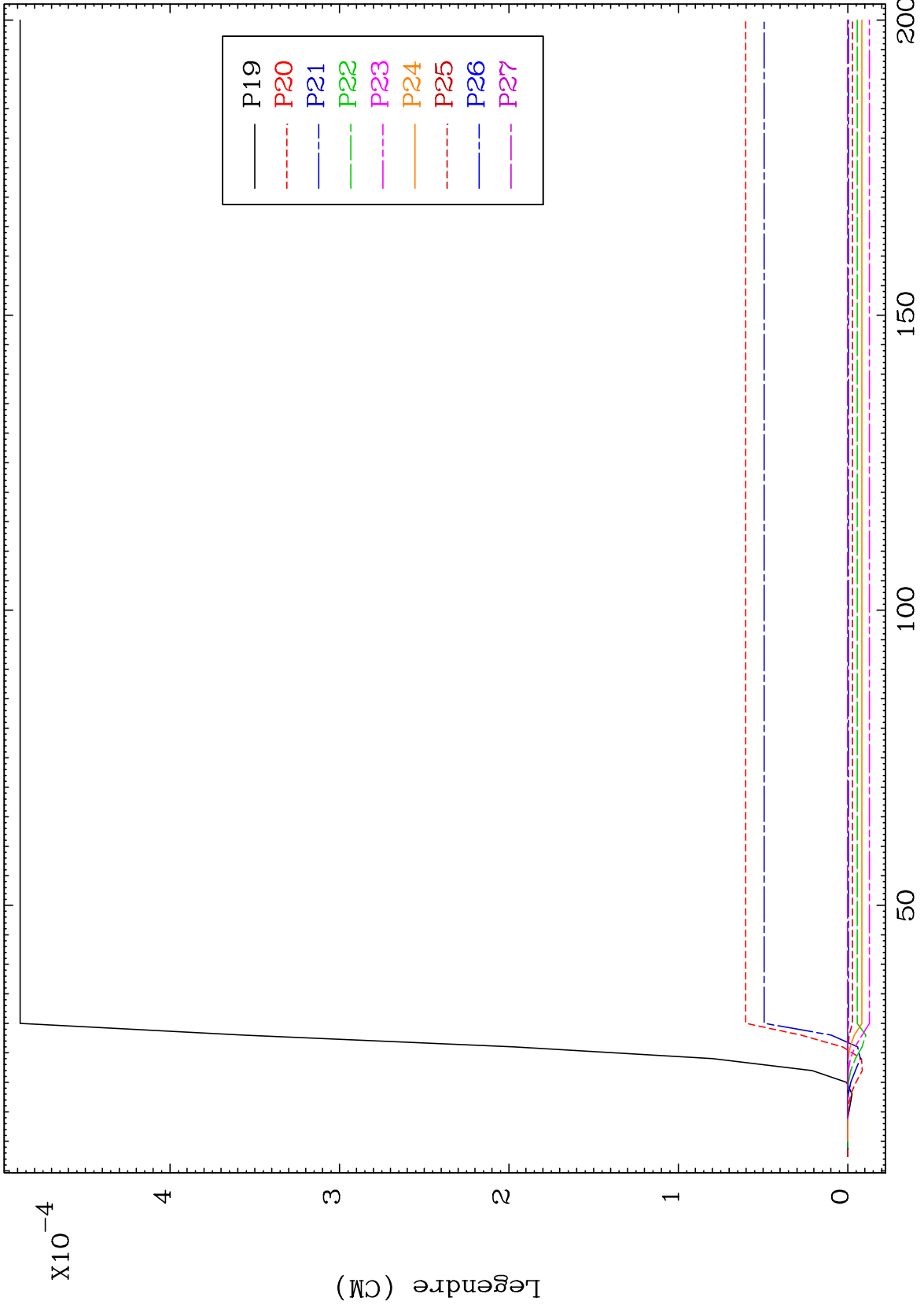
Incident Energy (MeV)

75-Re-190

MAT 7540

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

75-Re-190



64

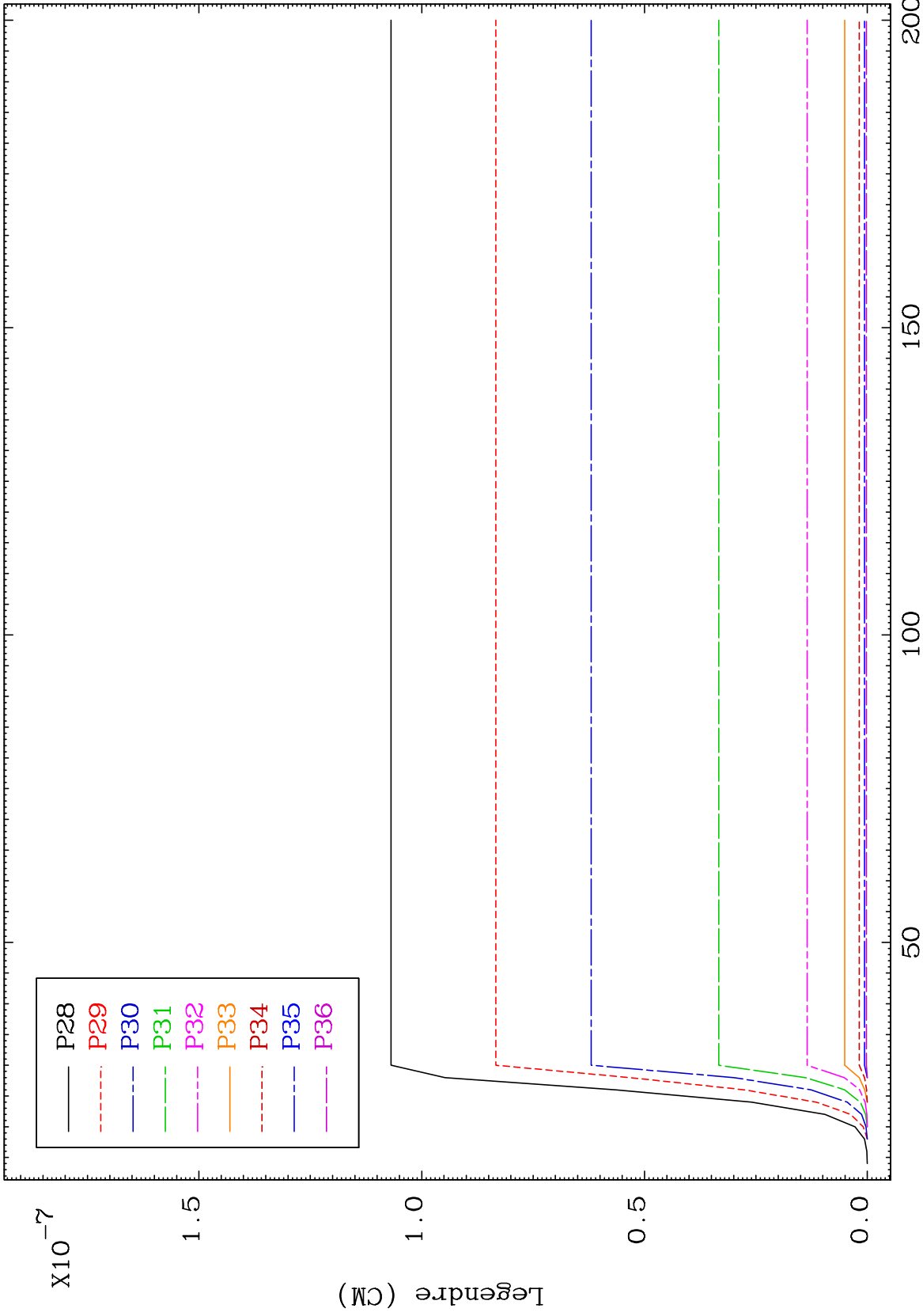
Incident Energy (MeV)

75-Re-190

MAT 7540

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

75-Re-190



65

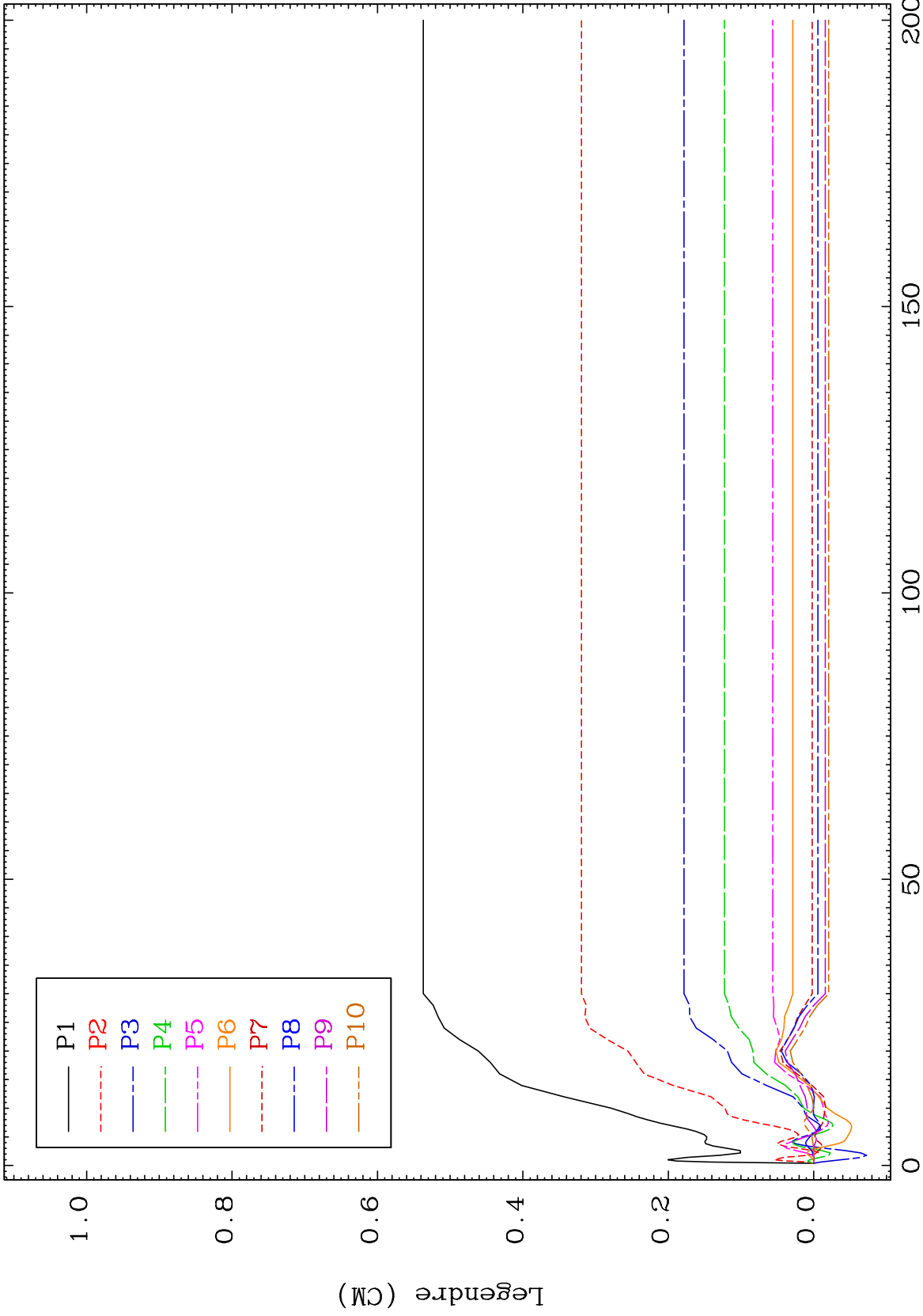
Incident Energy (MeV)

75-Re-190

MAT 7540

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

75-Re-190

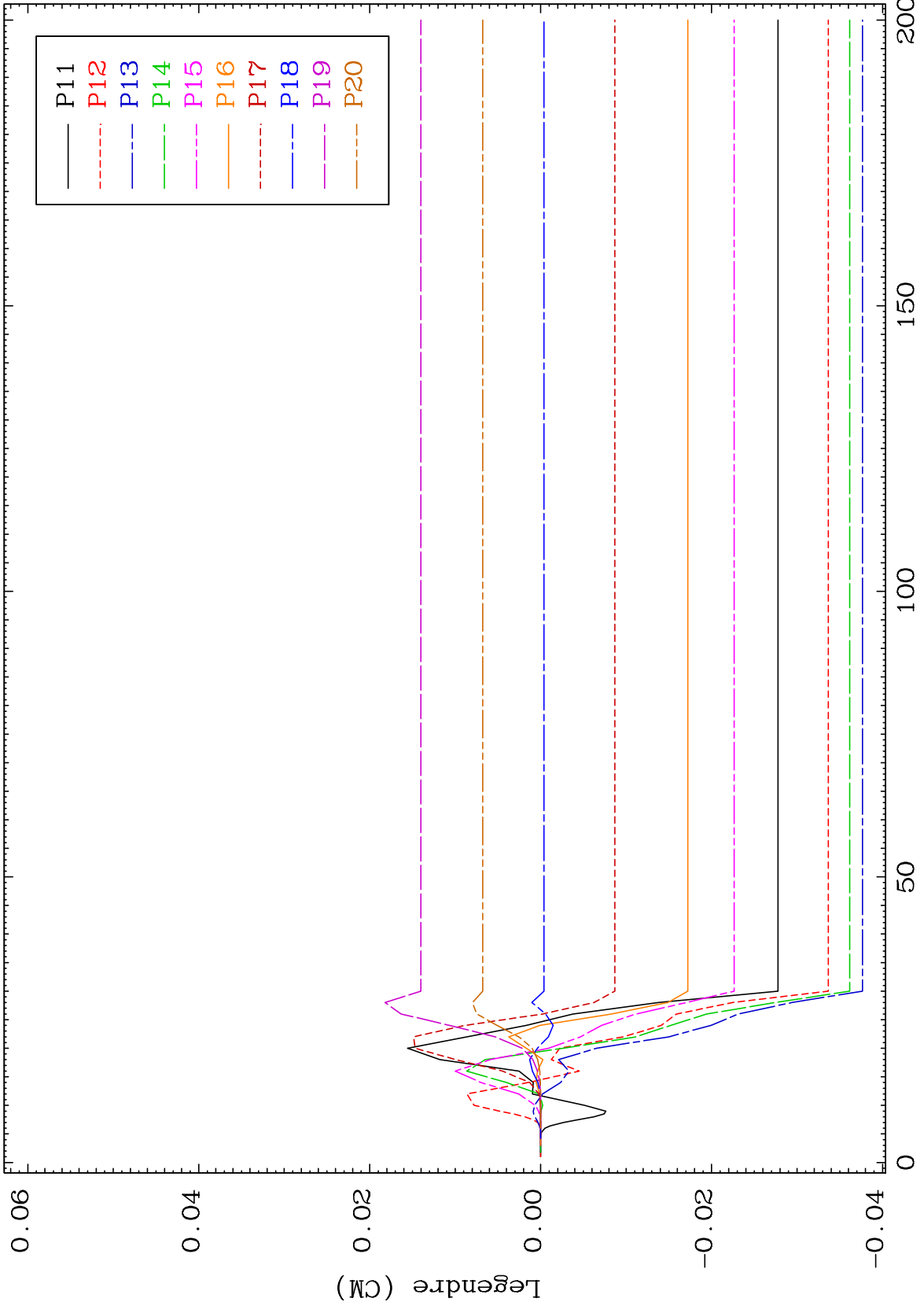


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Incident Energy (MeV)

75-Re-190

MAT 7540 MT= 64 (n,n') Level Legendre Coefficients 75-Re-190

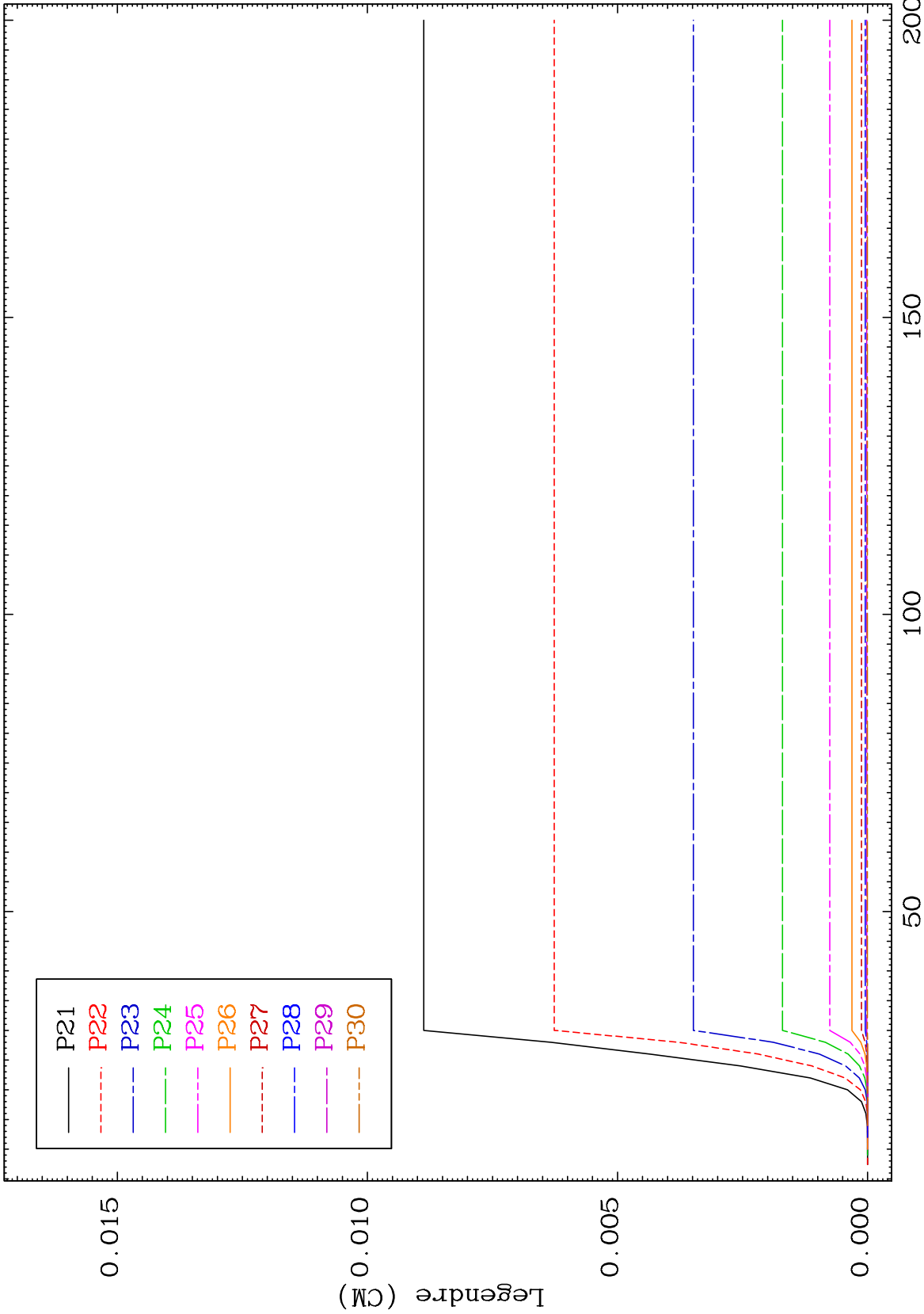


67 75-Re-190

MAT 7540

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

75-Re-190



68

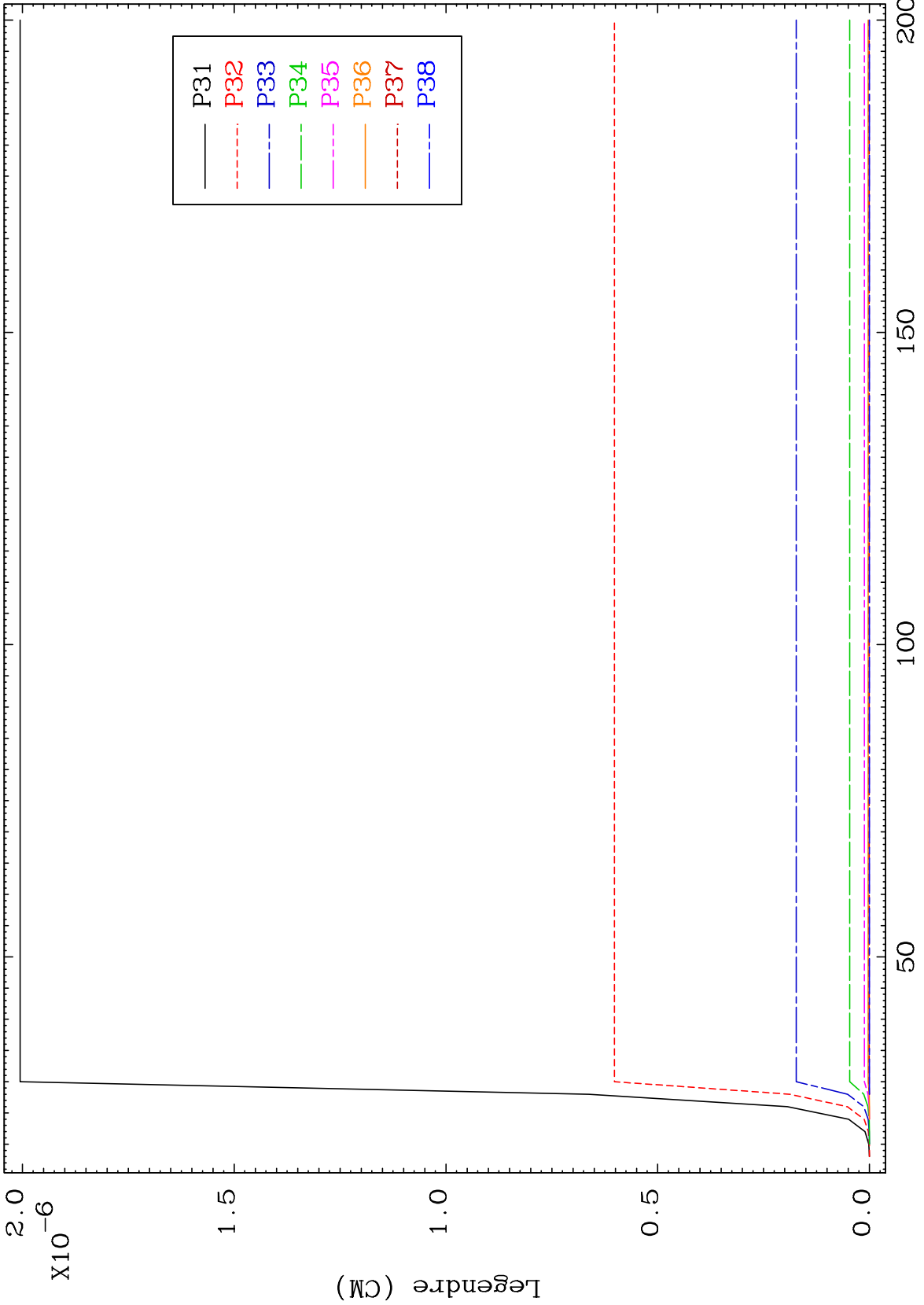
Incident Energy (MeV)

75-Re-190

MAT 7540

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

75-Re-190

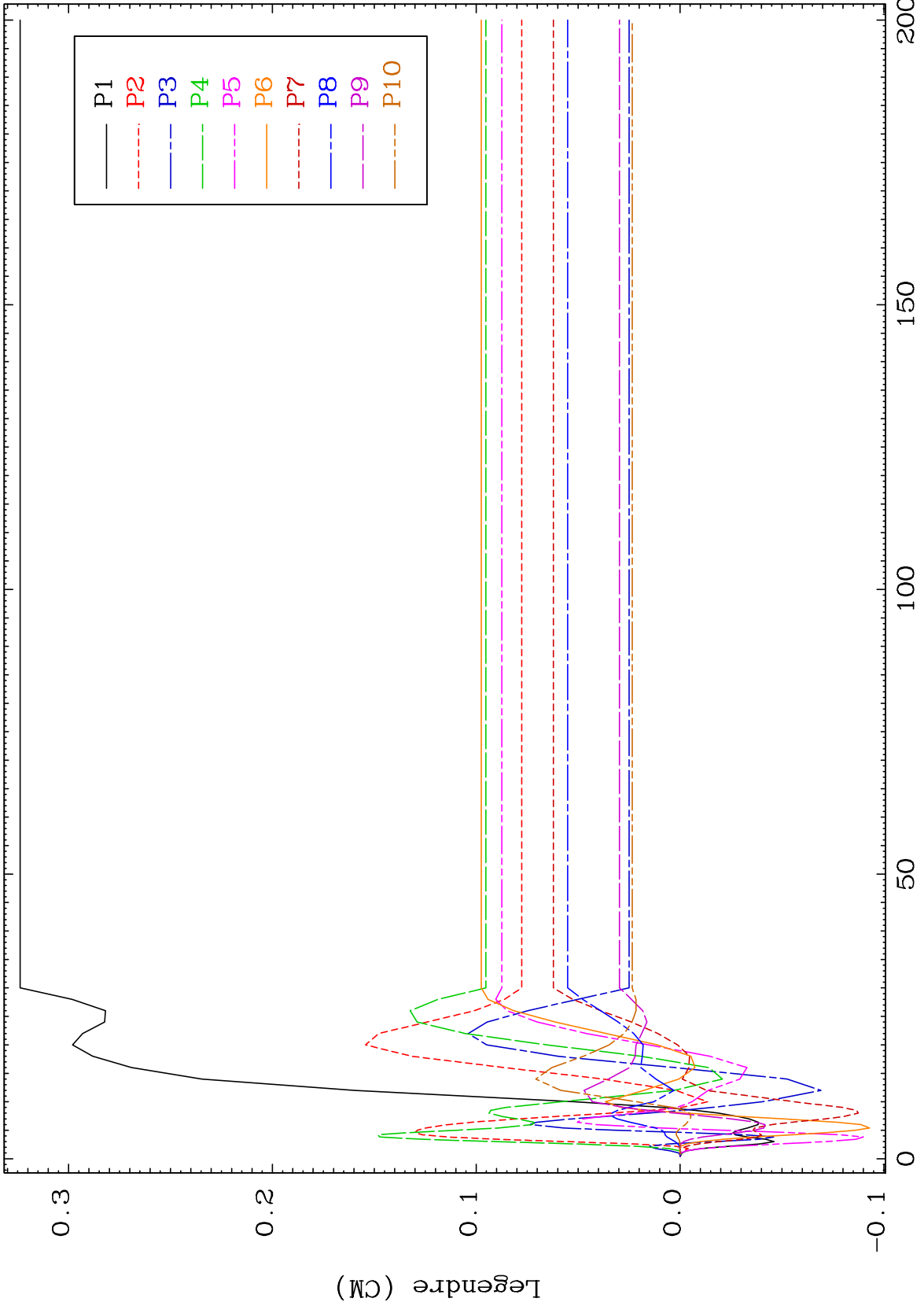


69

Incident Energy (MeV)

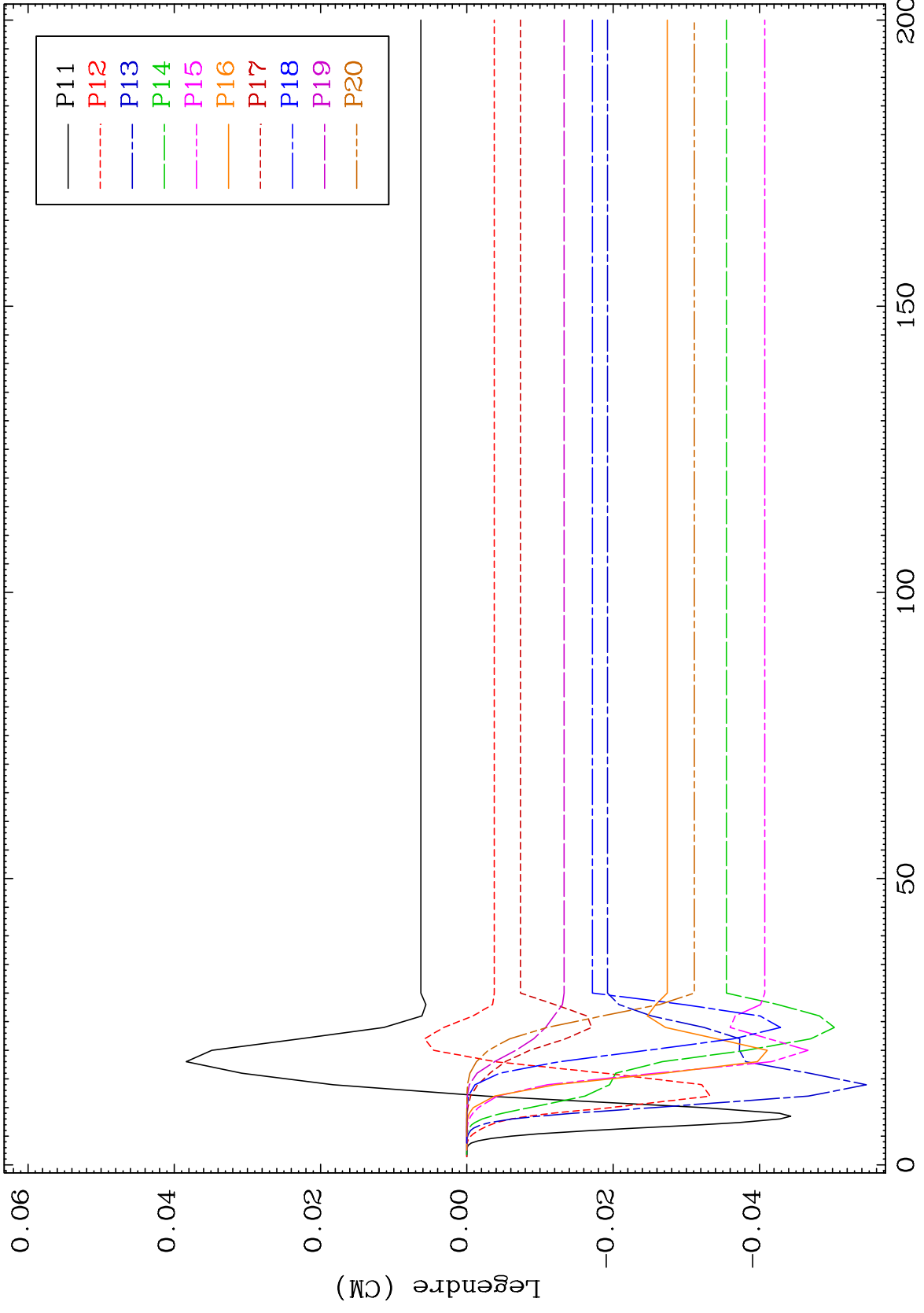
75-Re-190

MAT 7540 MT= 65 (n,n') Level Legendre Coefficients 75-Re-190



75-Re-190

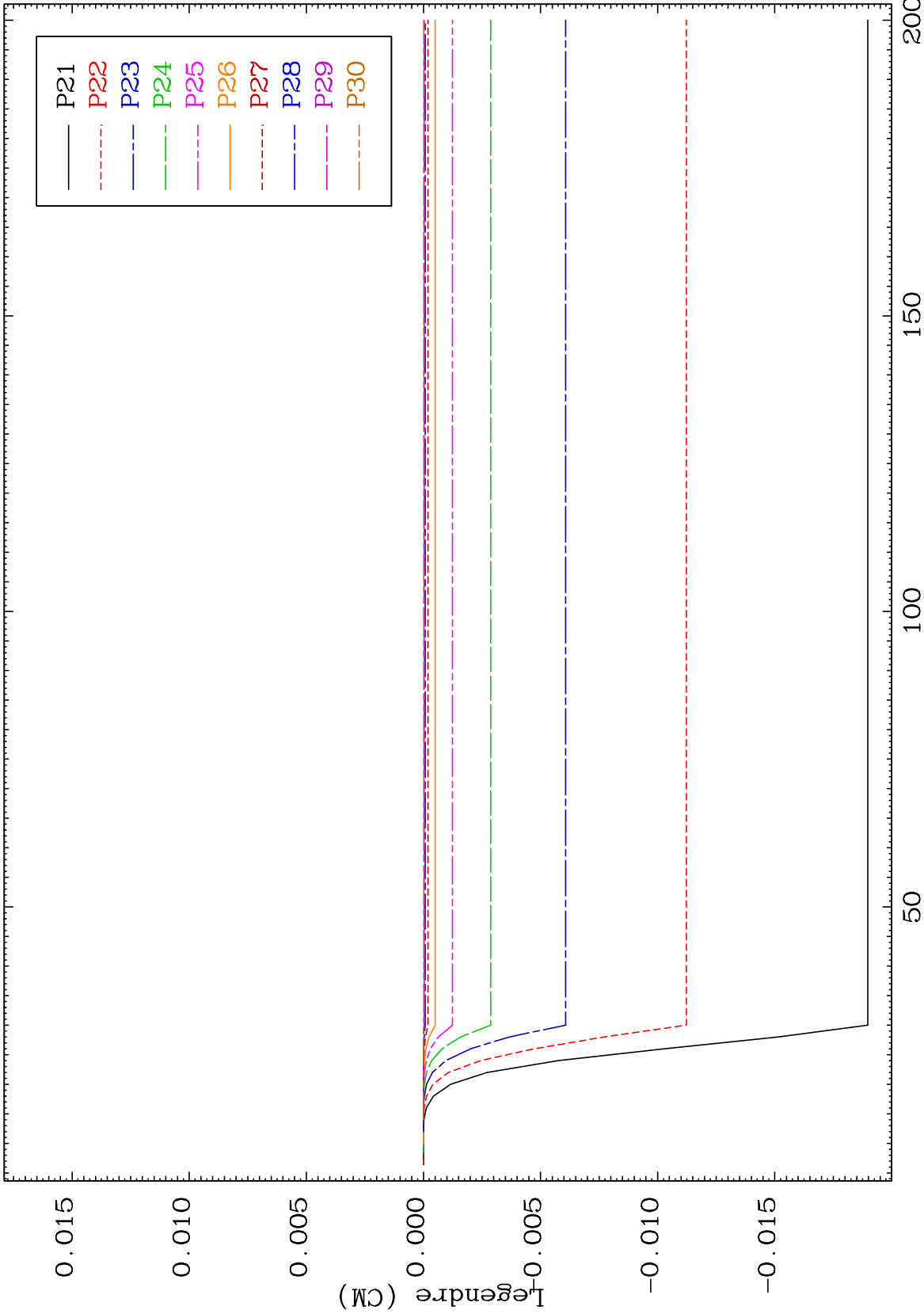
MAT 7540 MT= 65 (n,n') Level Legendre Coefficients 75-Re-190



MAT 7540

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

75-Re-190

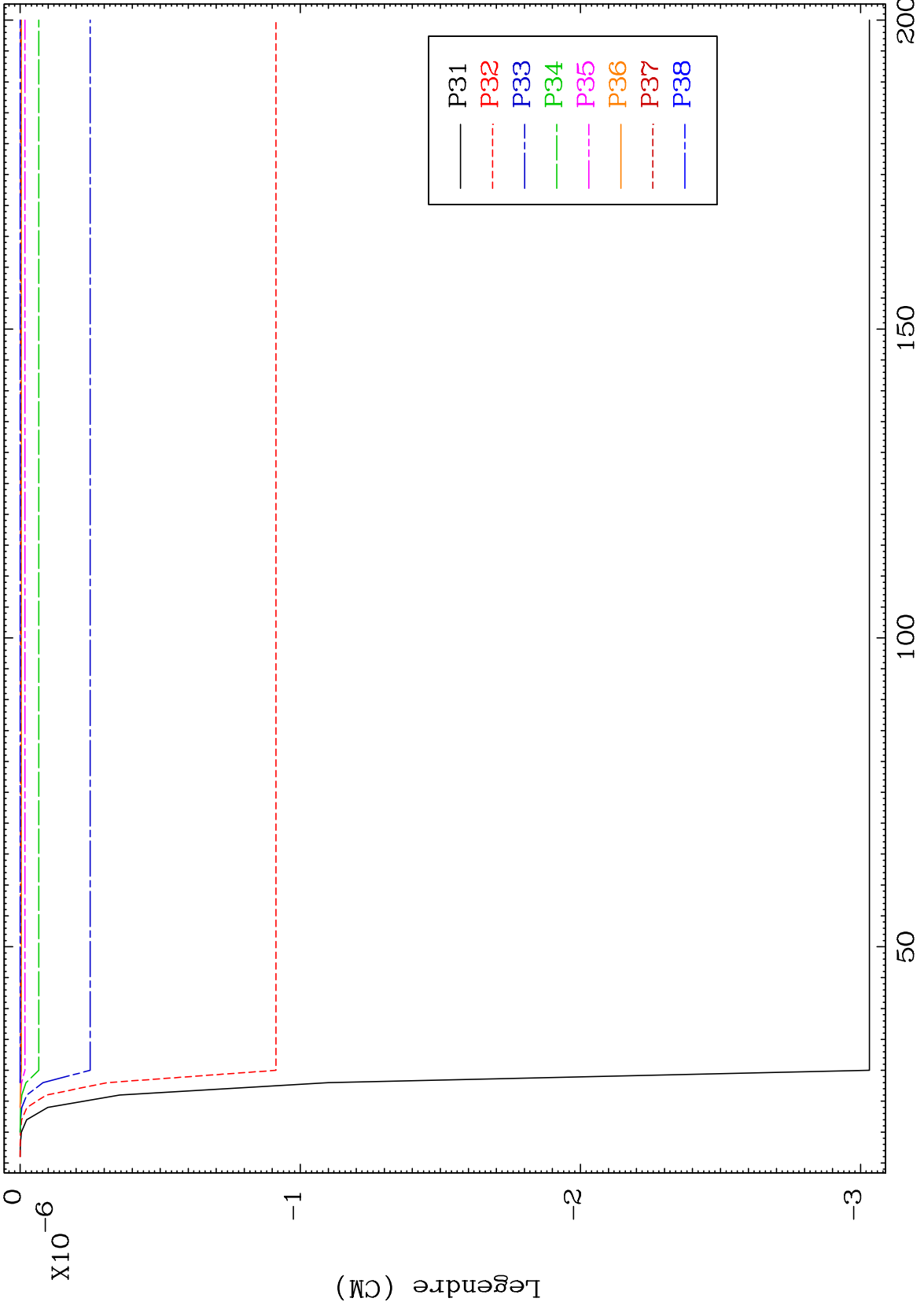


72

Incident Energy (MeV)

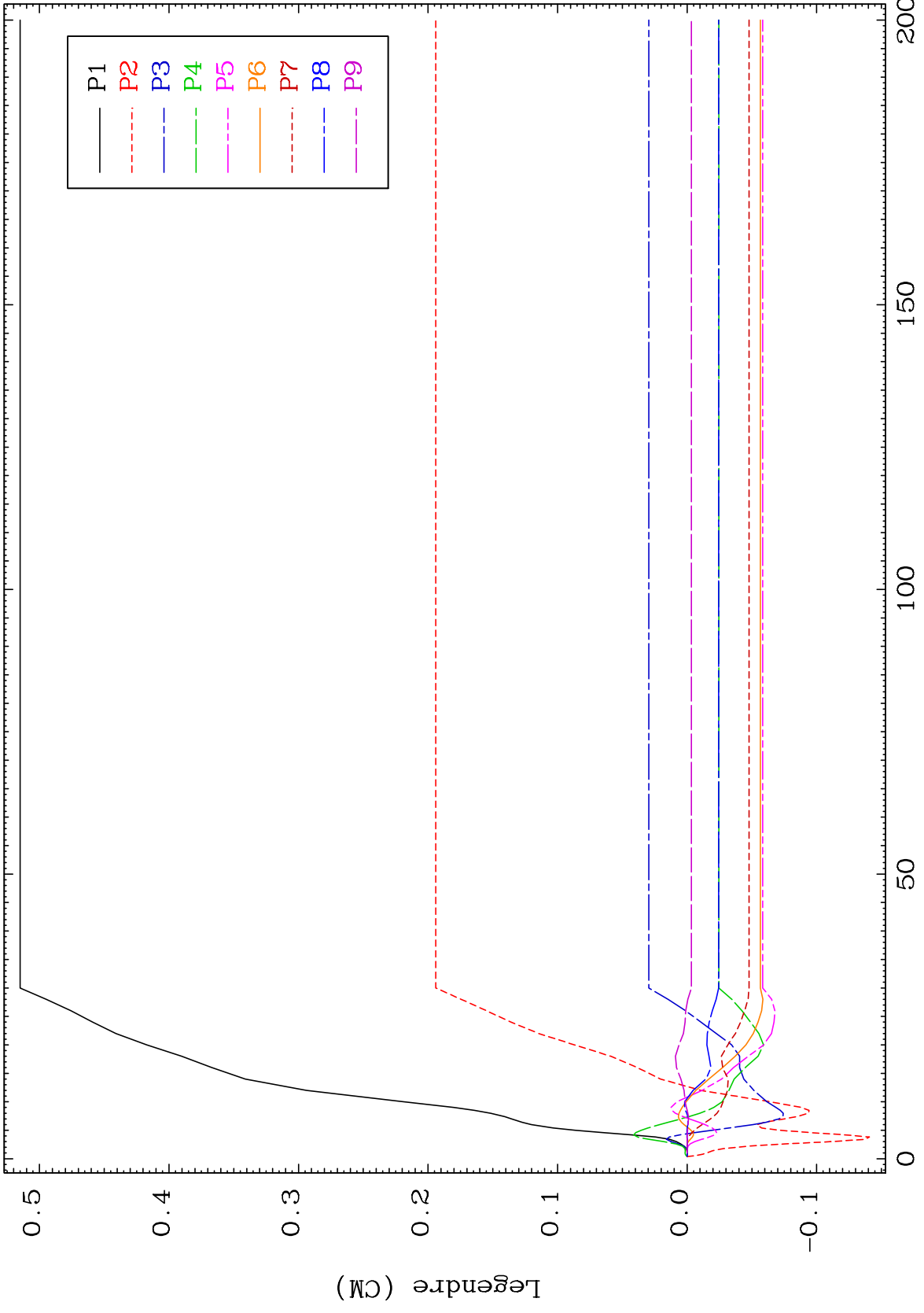
75-Re-190

MAT 7540 MT= 65 (n,n') Level Legendre Coefficients 75-Re-190



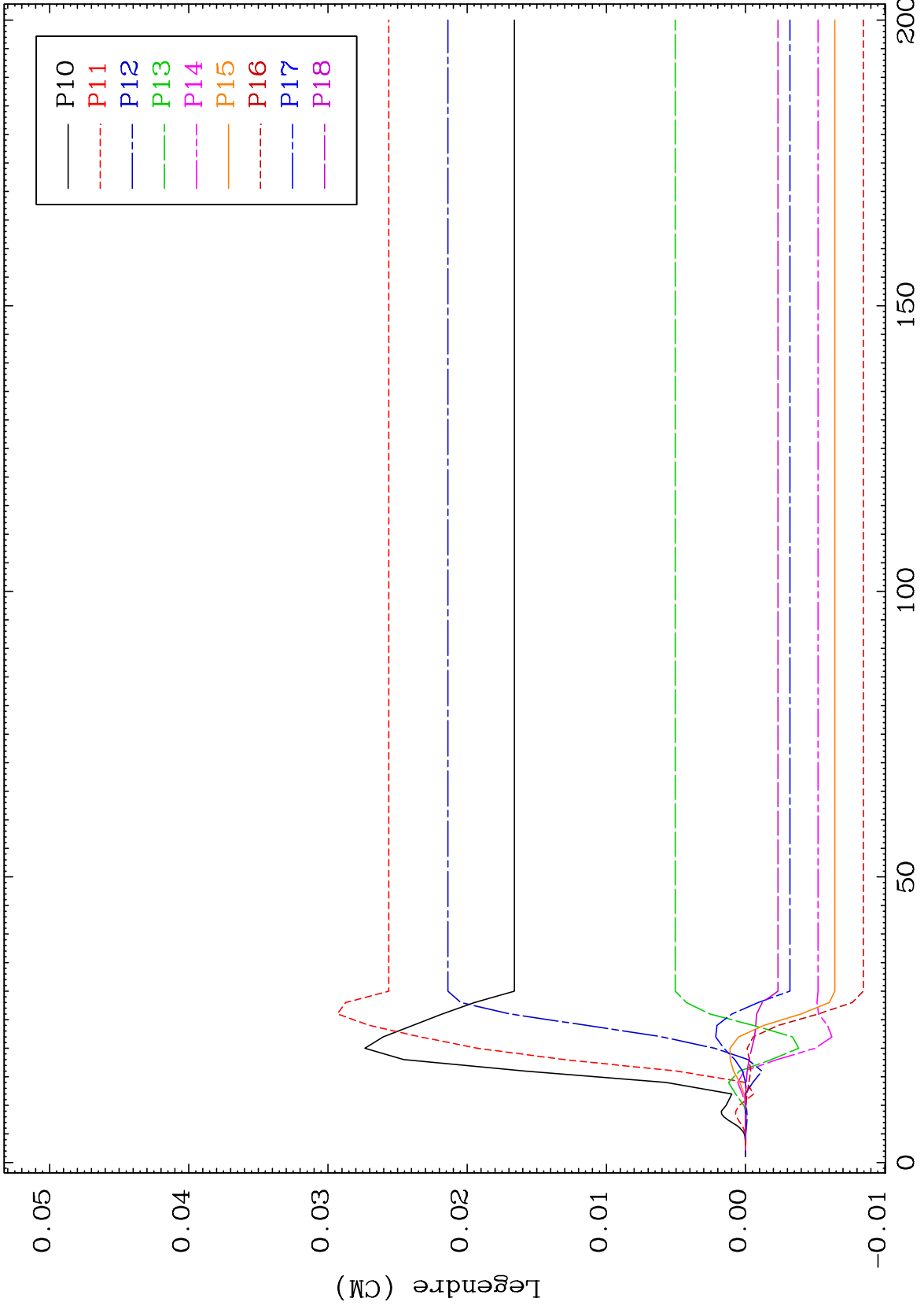
73 75-Re-190

MAT 7540 MT= 66 (n,n') Level Legendre Coefficients 75-Re-190



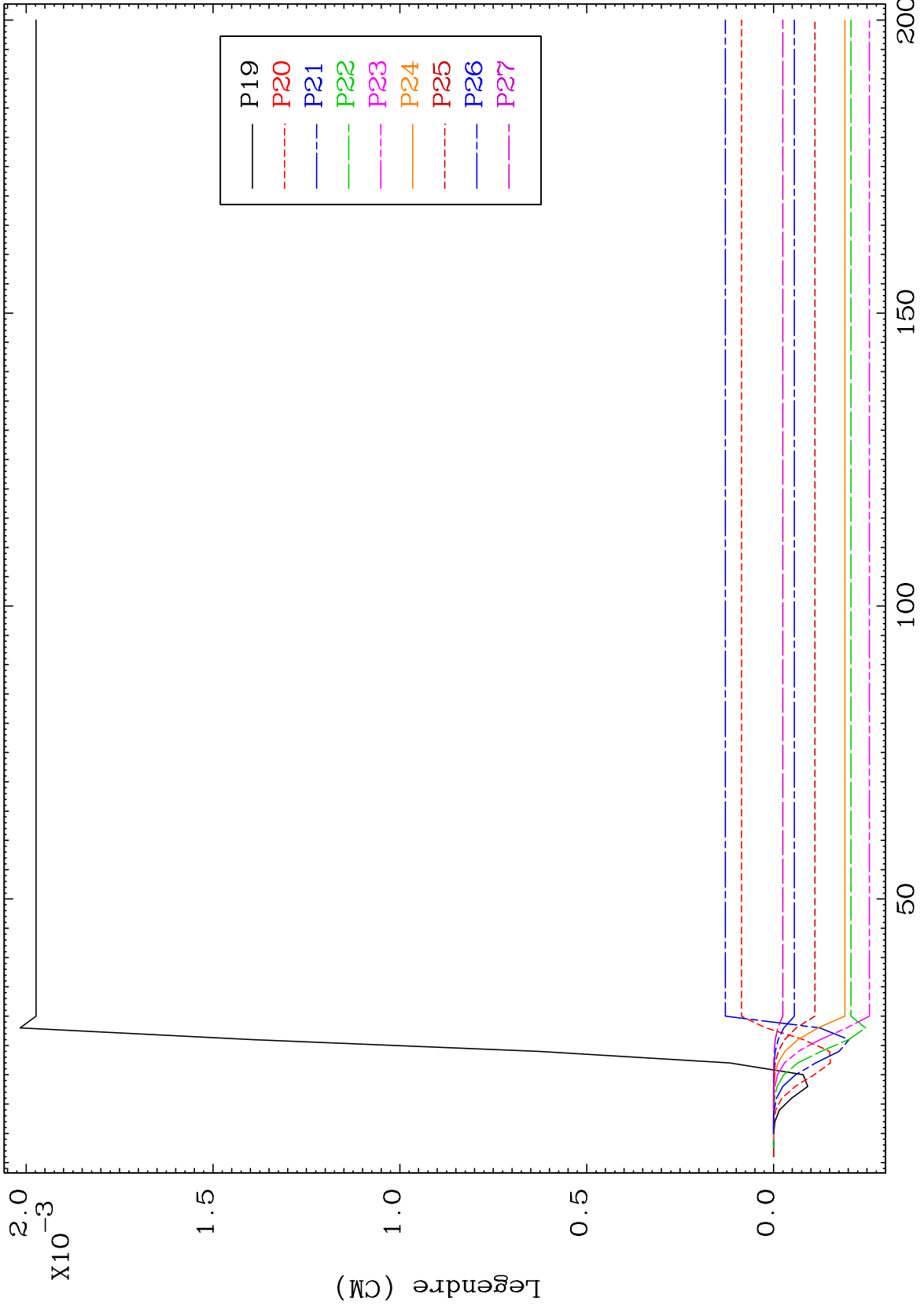
74 75-Re-190

MAT 7540 MT= 66 (n,n') Level Legendre Coefficients 75-Re-190



75 75-Re-190

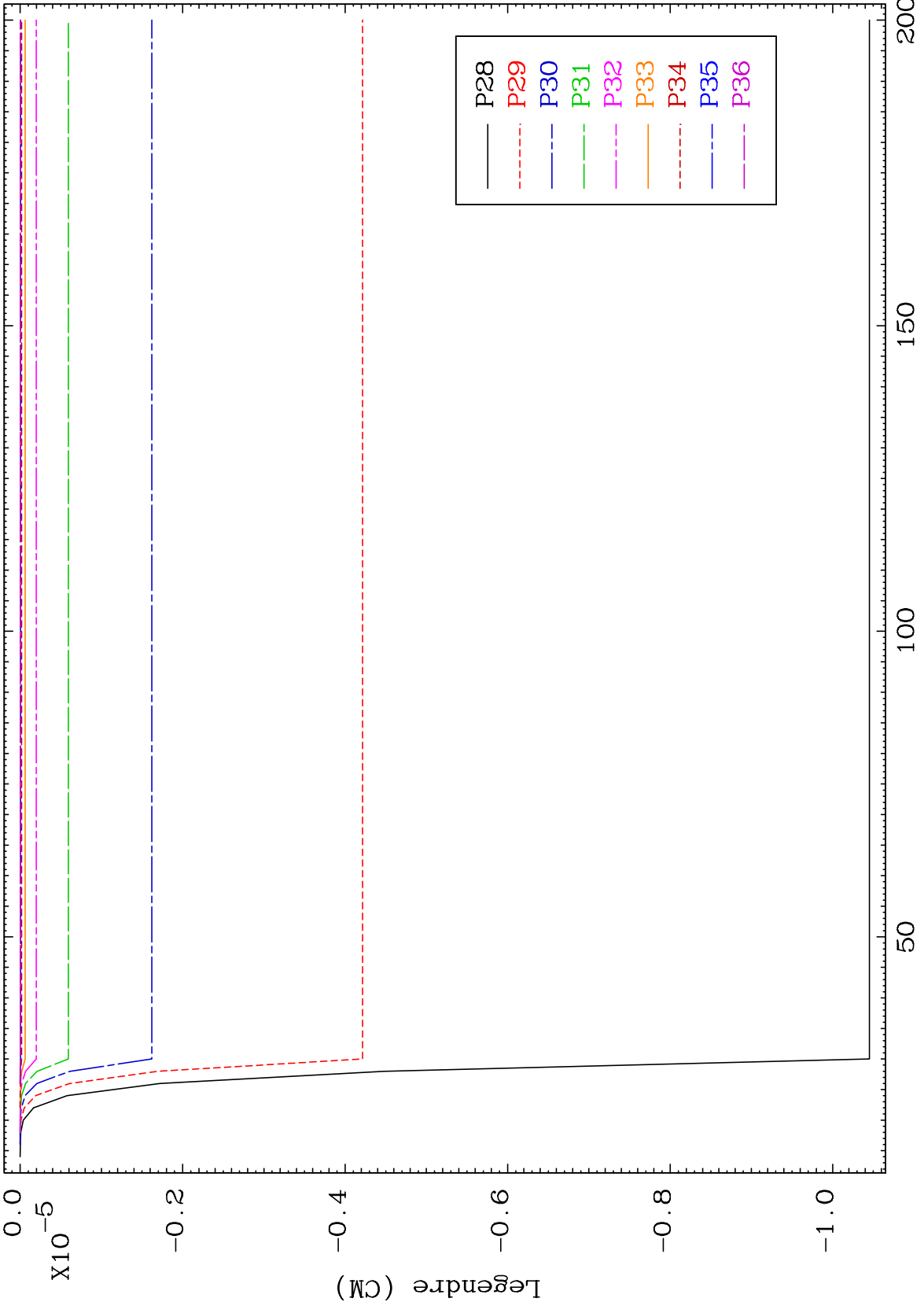
MAT 7540 MT= 66 (n,n') Level Legendre Coefficients 75-Re-190



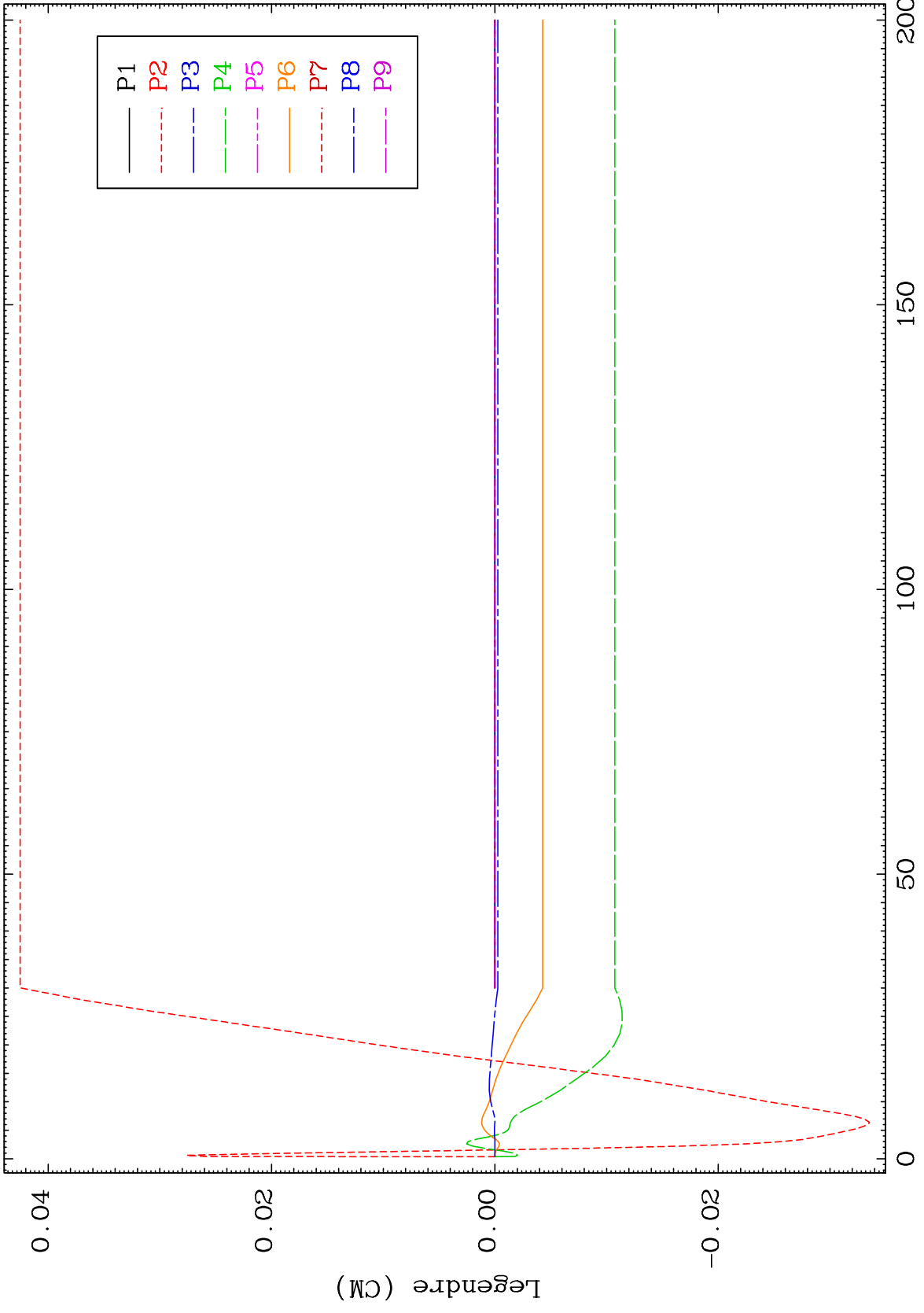
76 75-Re-190

MAT 7540 MT= 66 (n,n') Level 75-Re-190

Legendre Coefficients



MAT 7540 MT= 67 (n,n') Level Legendre Coefficients 75-Re-190

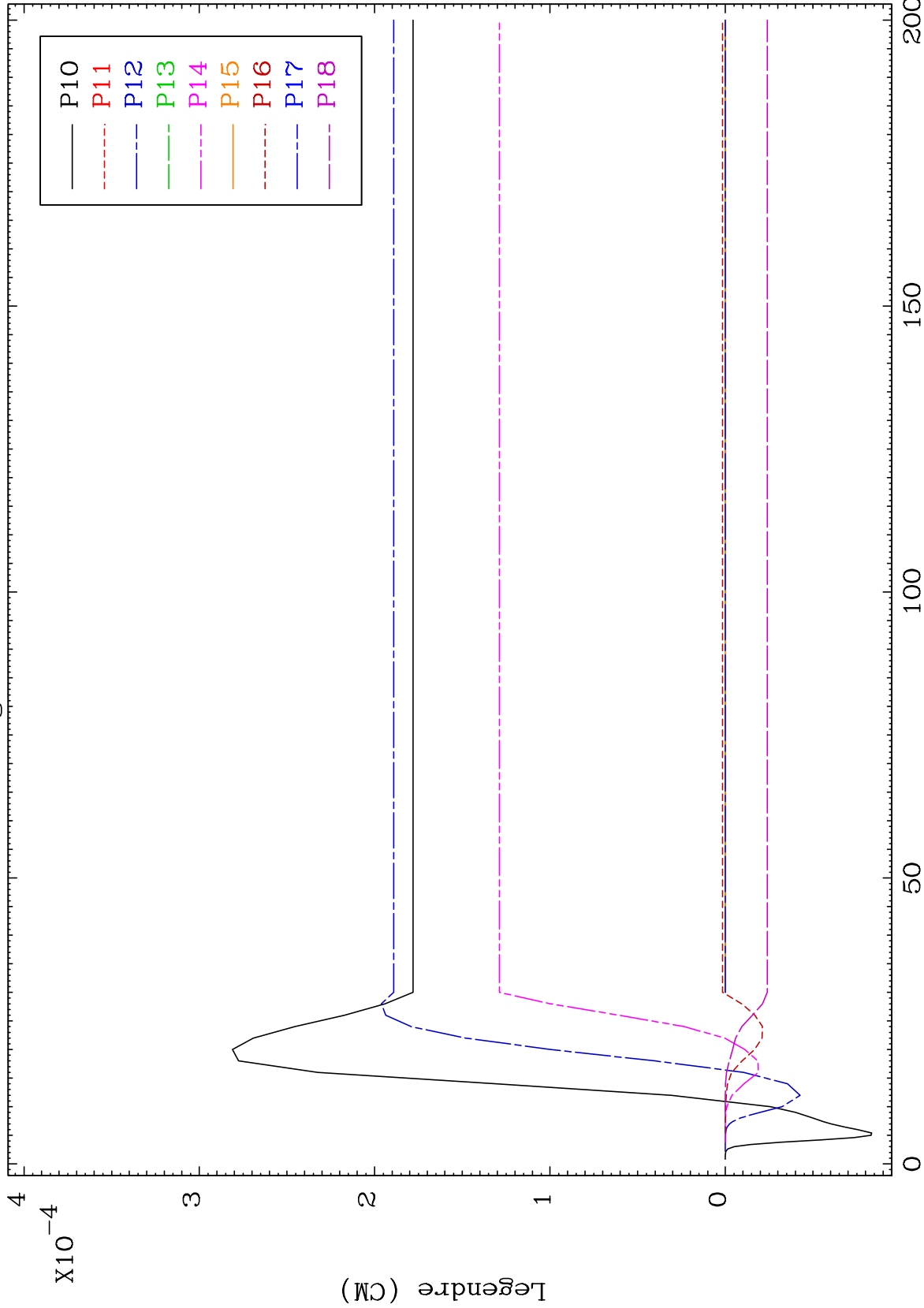


78 Incident Energy (MeV) 75-Re-190

MAT 7540

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

75-Re-190

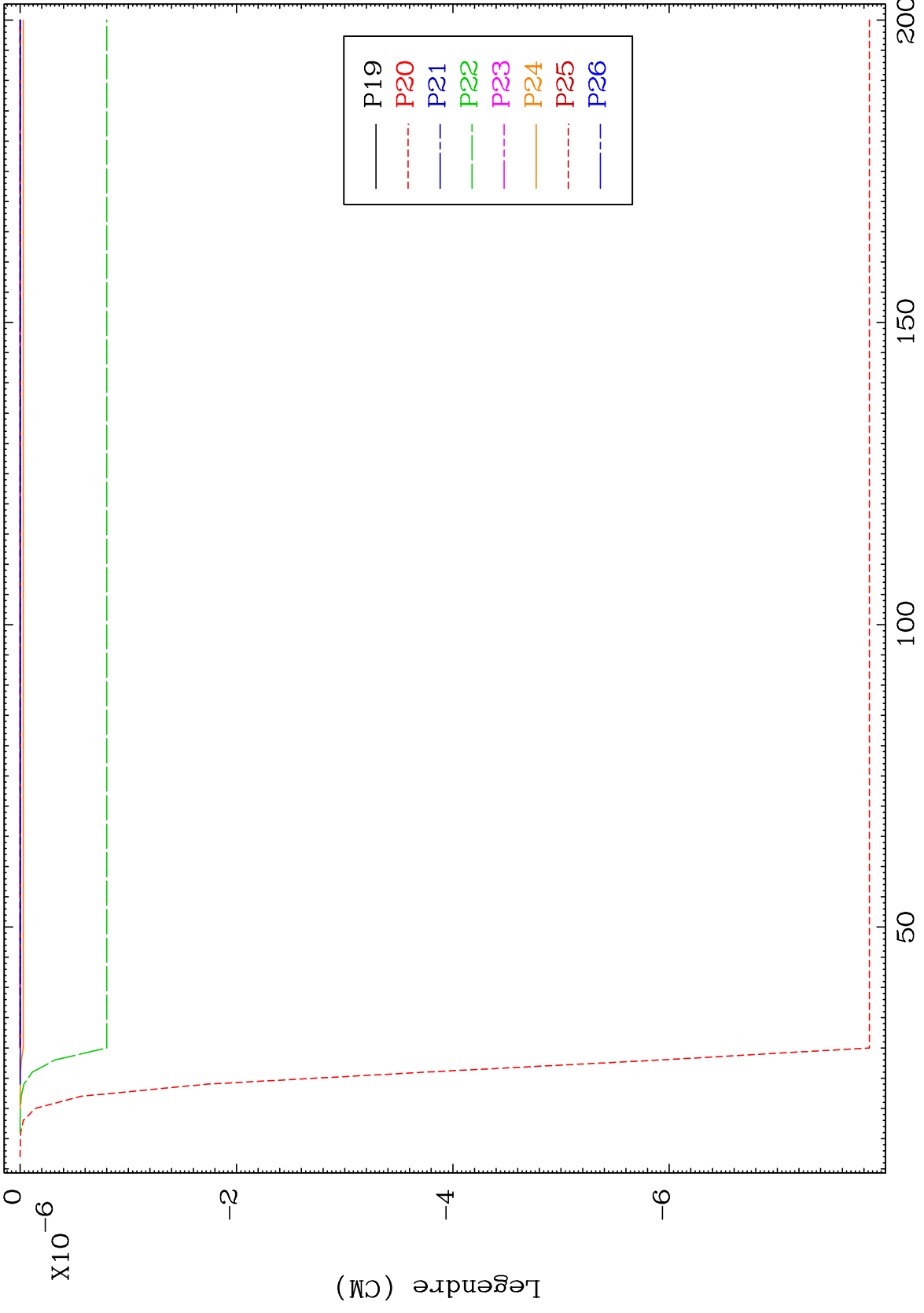


79

Incident Energy (MeV)

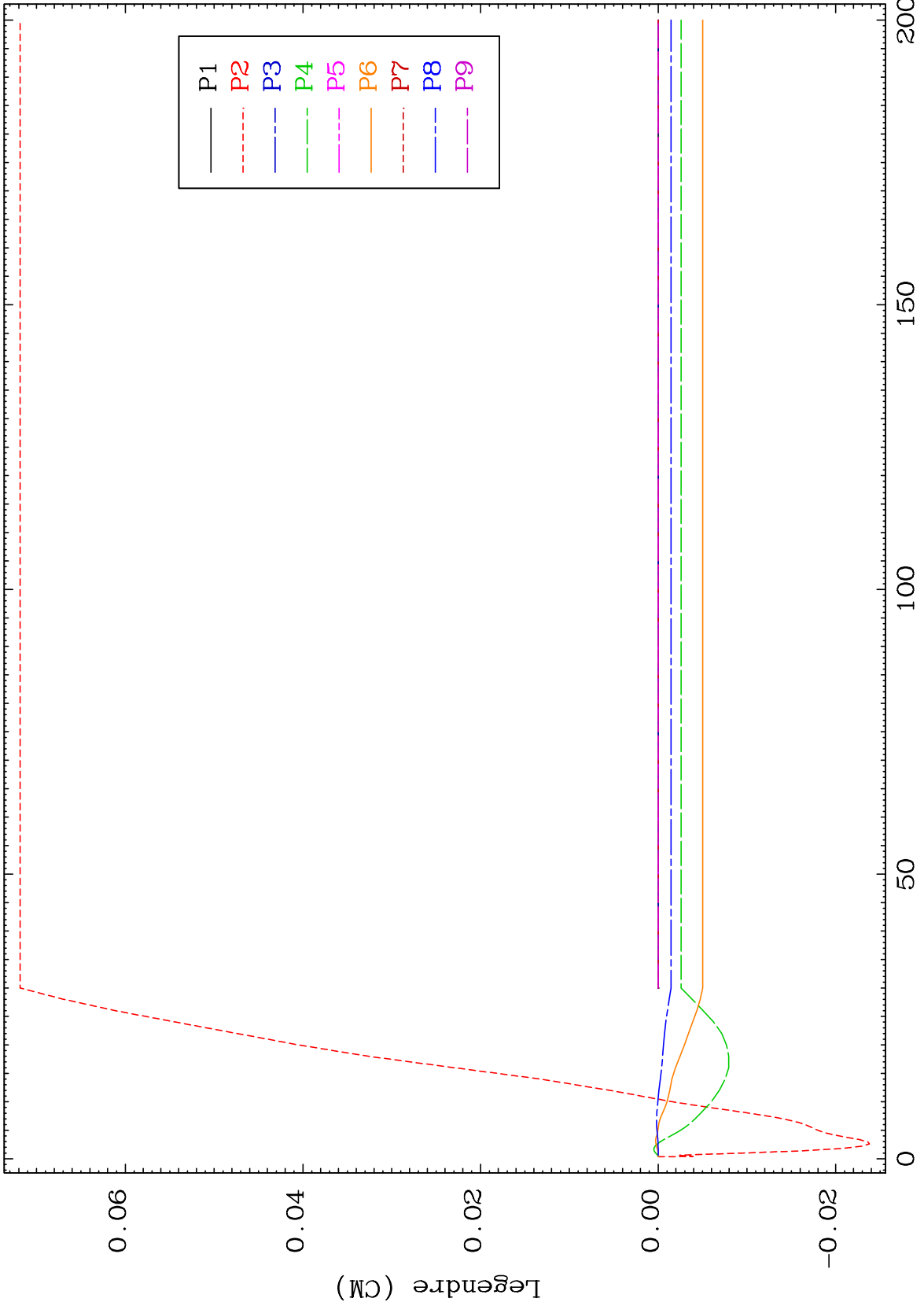
75-Re-190

MAT 7540 MT= 67 (n,n') Level Legendre Coefficients 75-Re-190



80 50 100 150 200 75-Re-190

MAT 7540 MT= 68 (n,n') Level Legendre Coefficients 75-Re-190

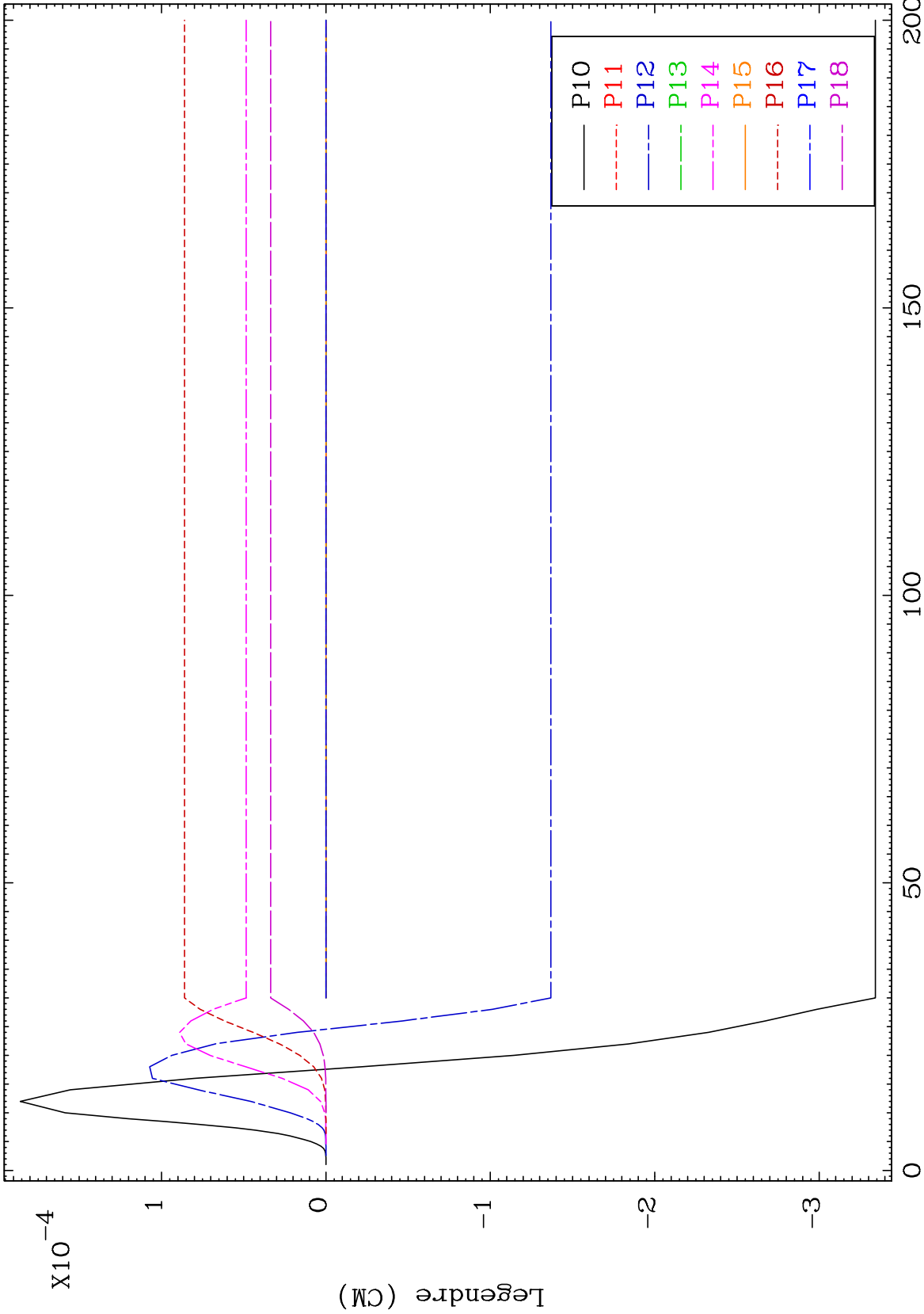


81 75-Re-190

MAT 7540

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

75-Re-190

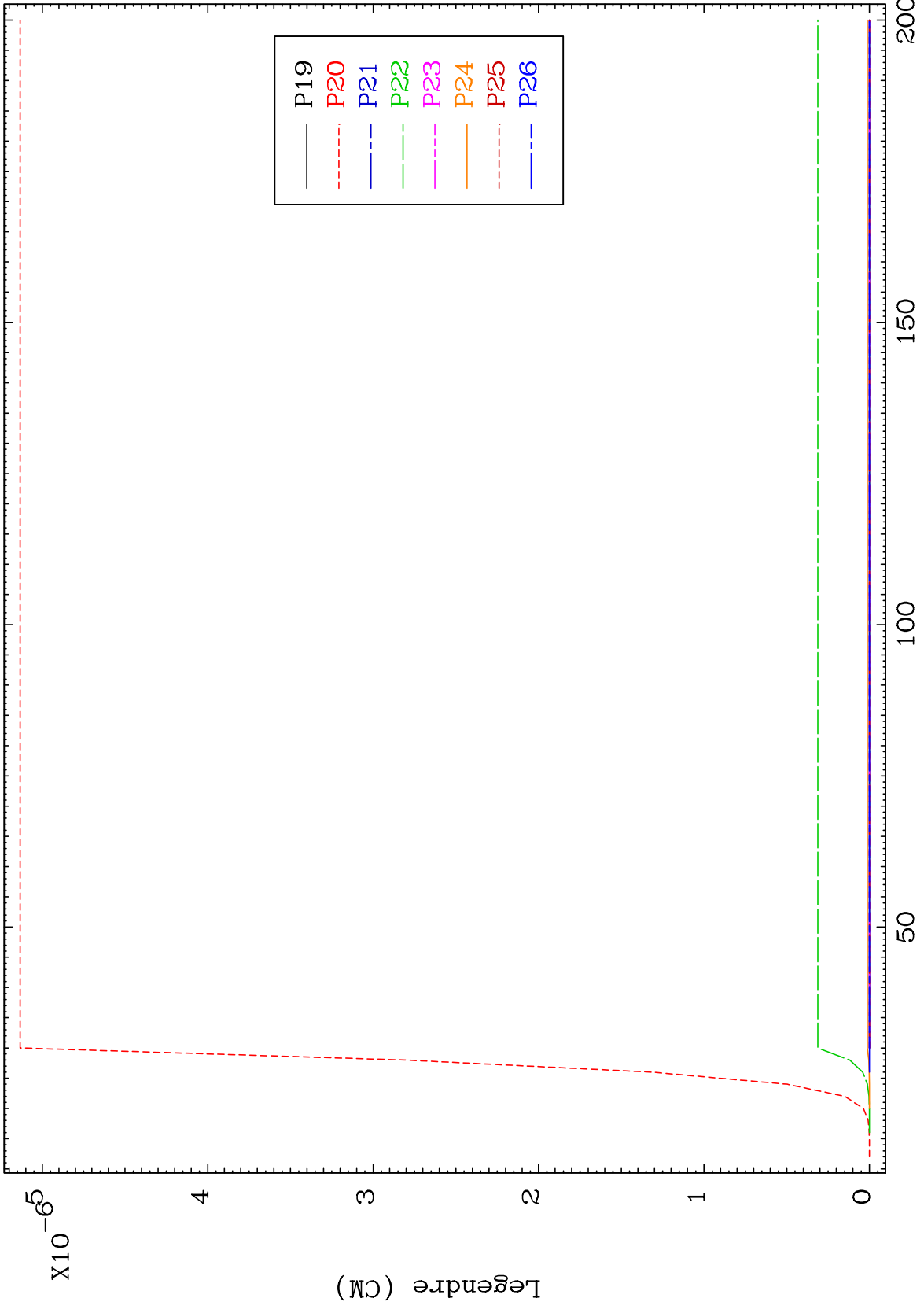


82

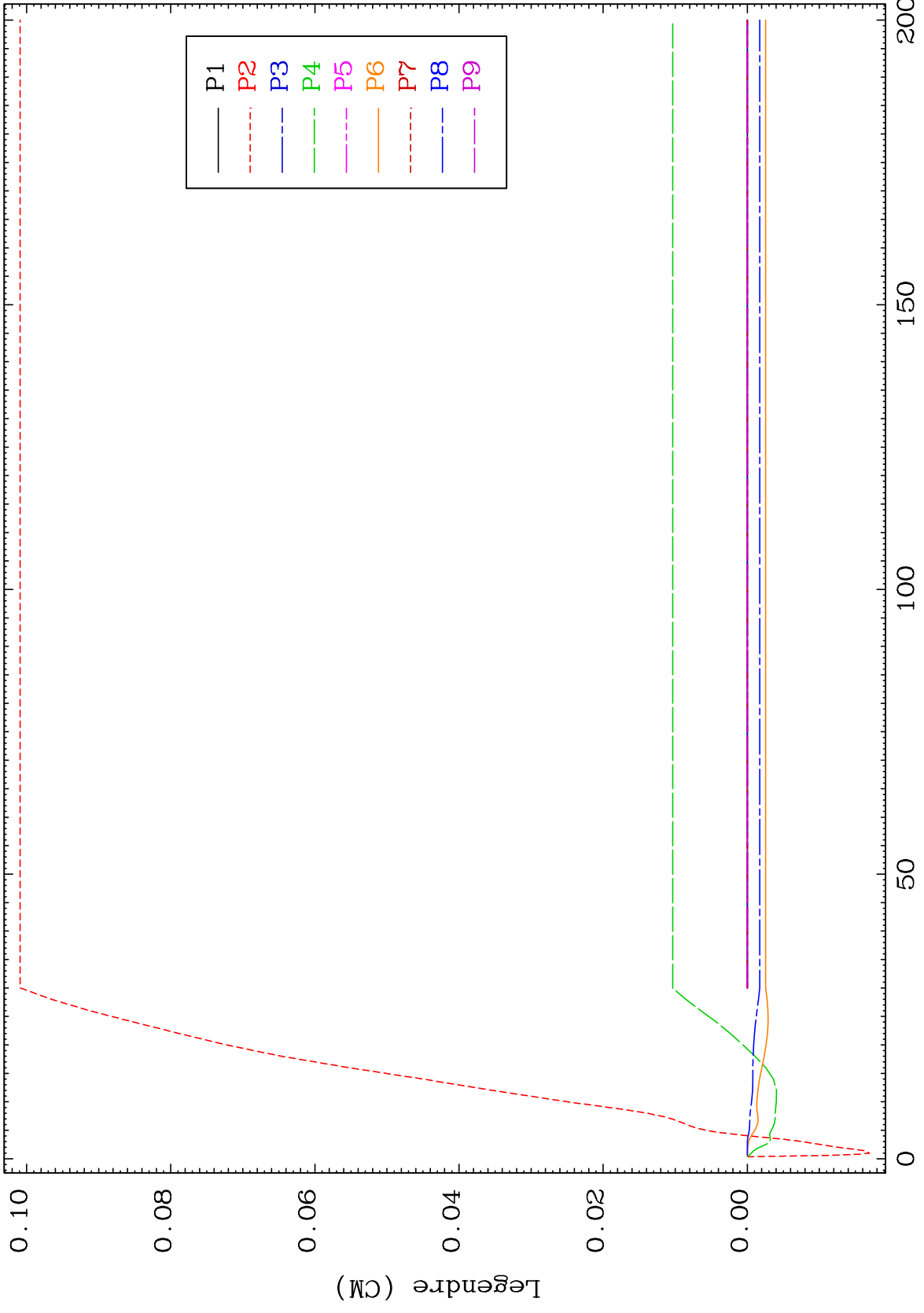
Incident Energy (MeV)

75-Re-190

MAT 7540 MT= 68 (n,n') Level Legendre Coefficients 75-Re-190



MAT 7540 MT= 69 (n,n') Level Legendre Coefficients 75-Re-190

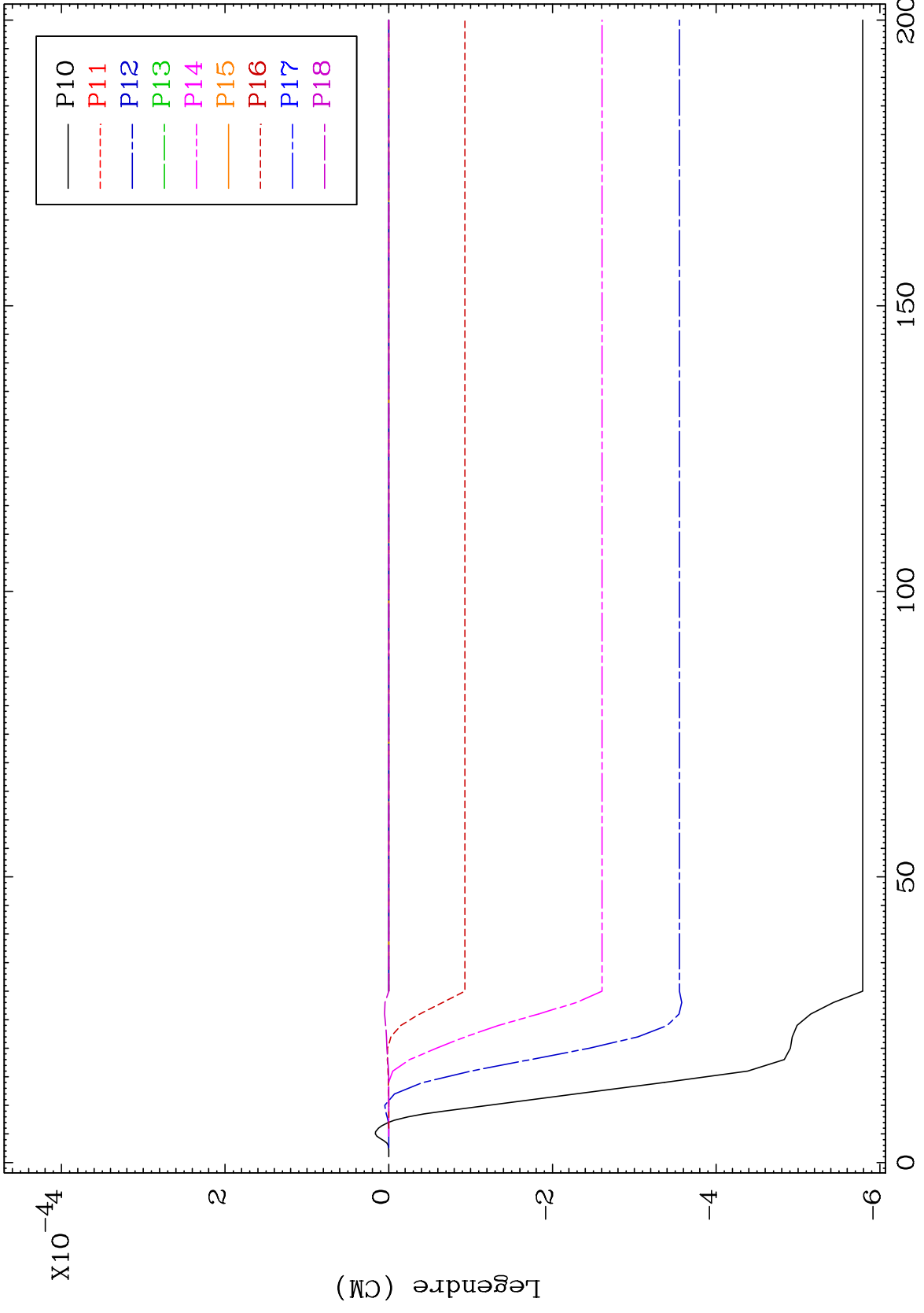


84 75-Re-190

MAT 7540

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

75-Re-190

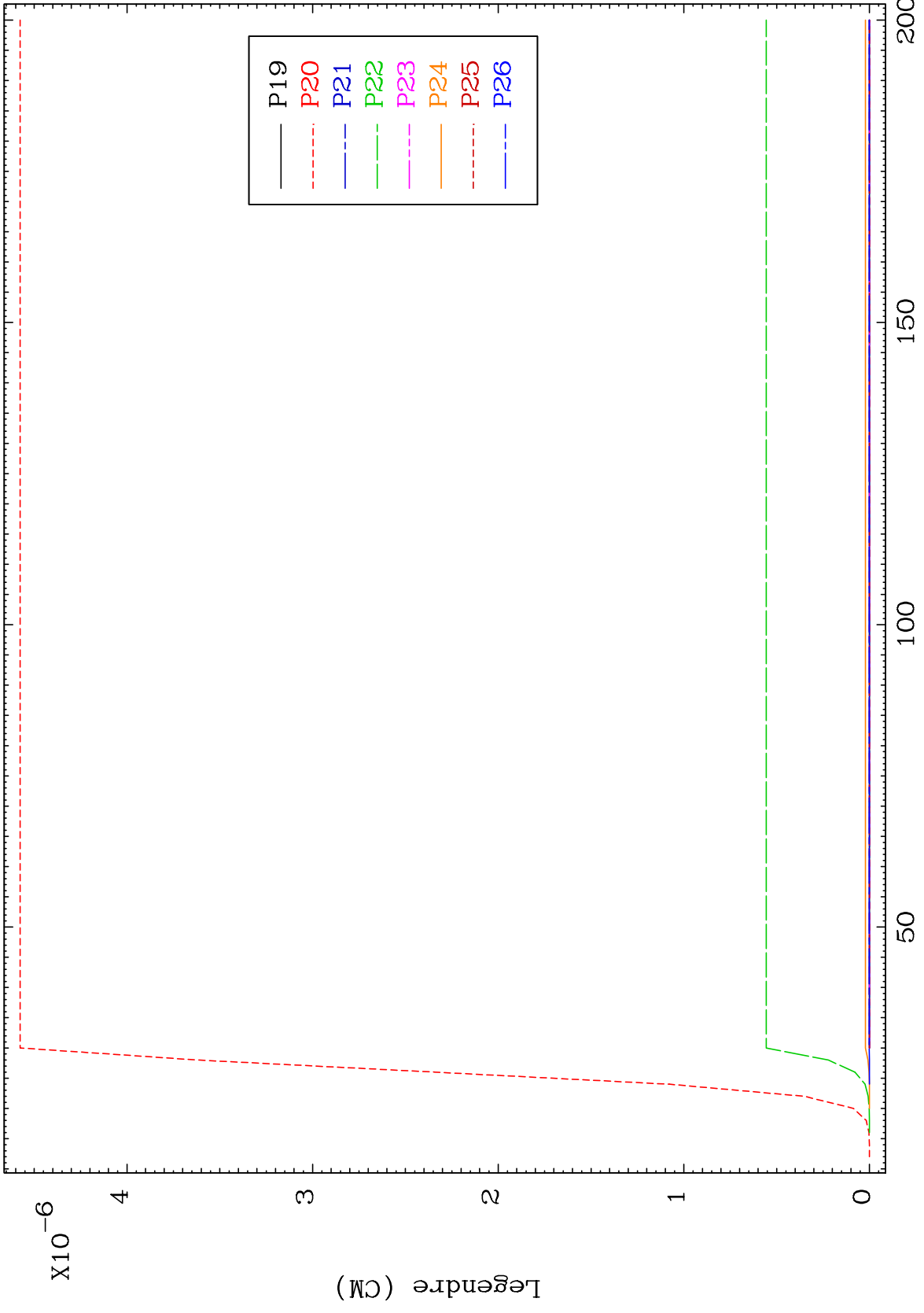


85

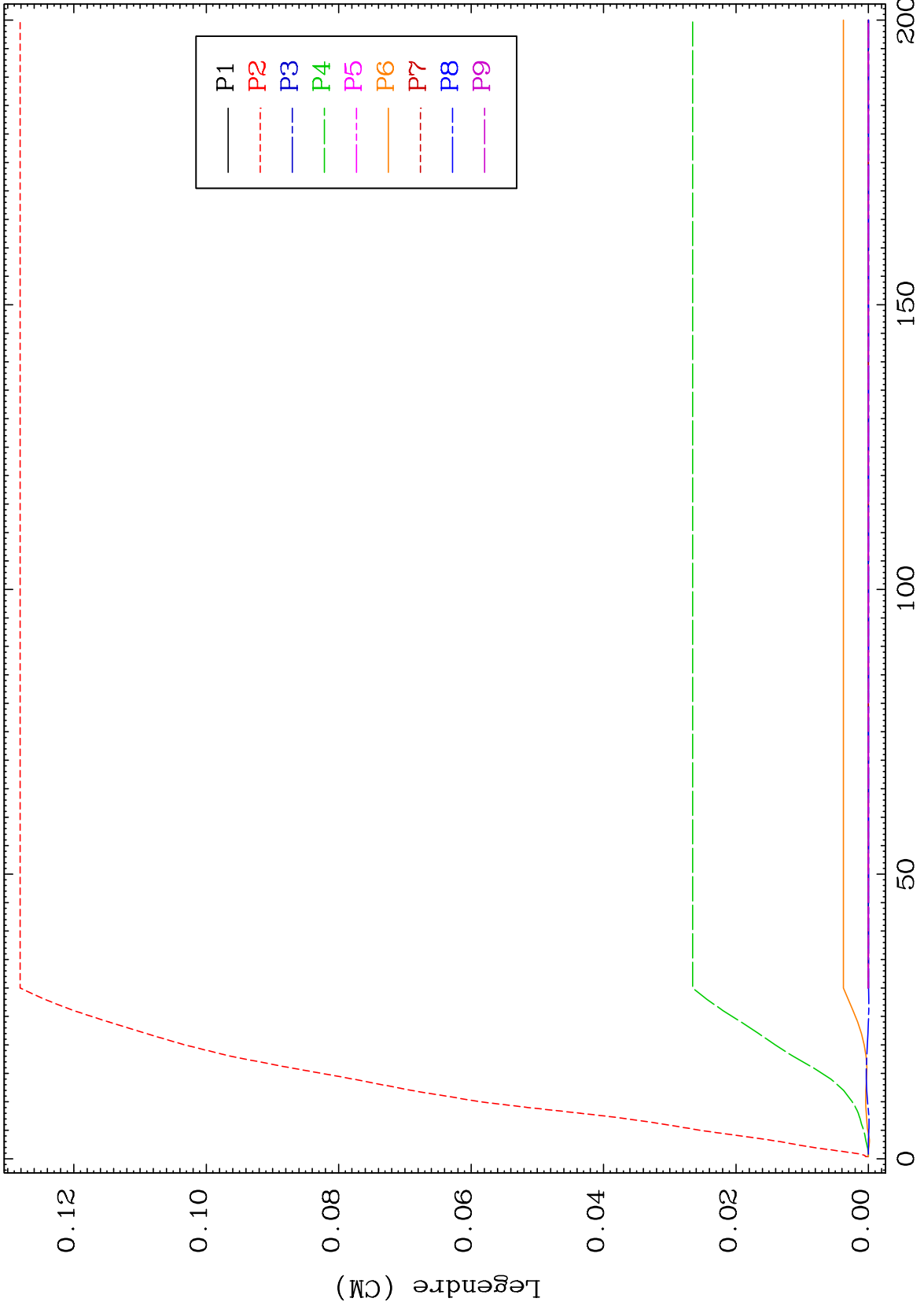
Incident Energy (MeV)

75-Re-190

MAT 7540 MT= 69 (n,n') Level Legendre Coefficients 75-Re-190



MAT 7540 MT= 70 (n,n') Level Legendre Coefficients 75-Re-190

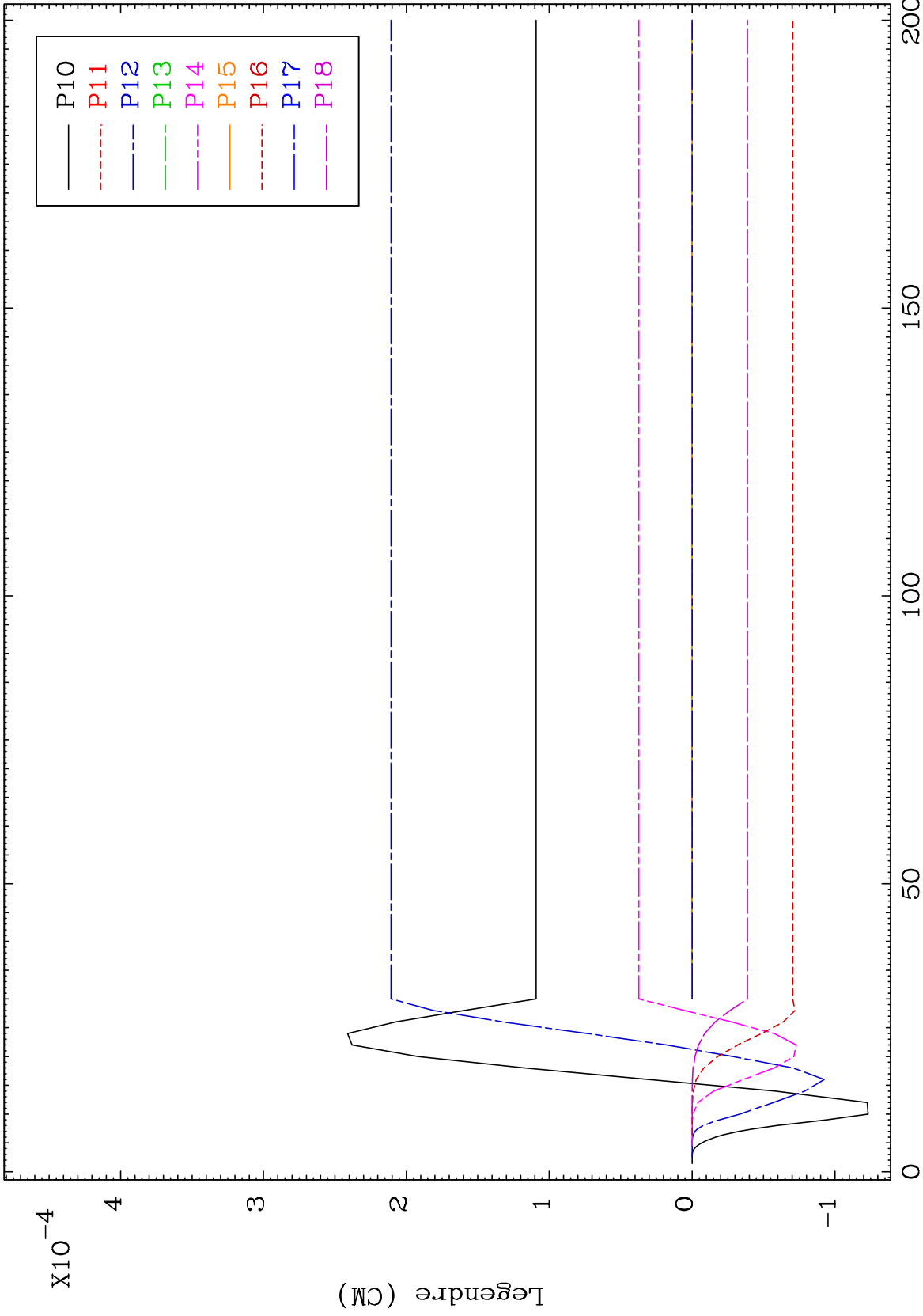


87 Incident Energy (MeV) 75-Re-190

MAT 7540

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

75-Re-190

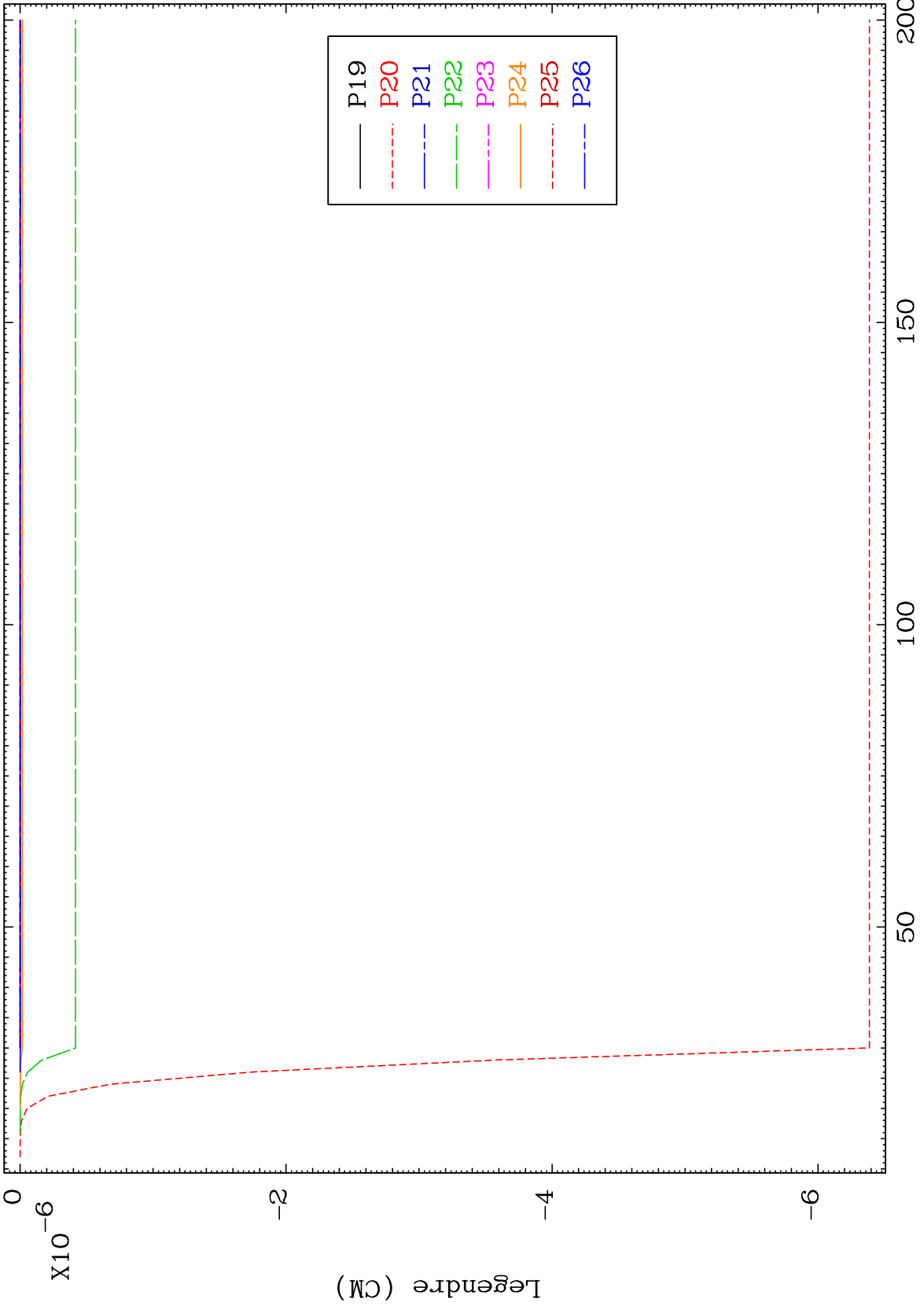


88

Incident Energy (MeV)

75-Re-190

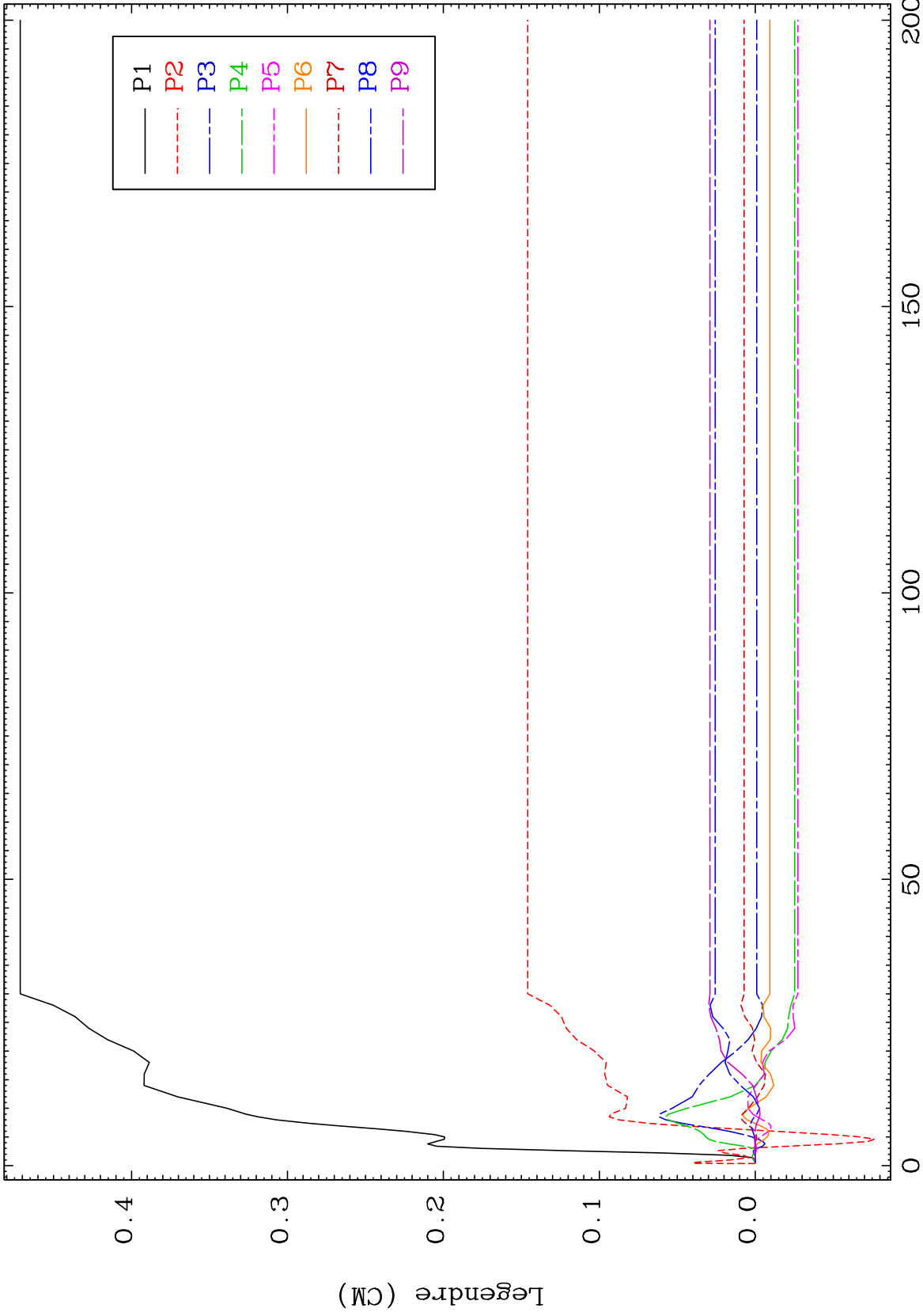
MAT 7540 MT= 70 (n,n') Level Legendre Coefficients 75-Re-190



MAT 7540

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

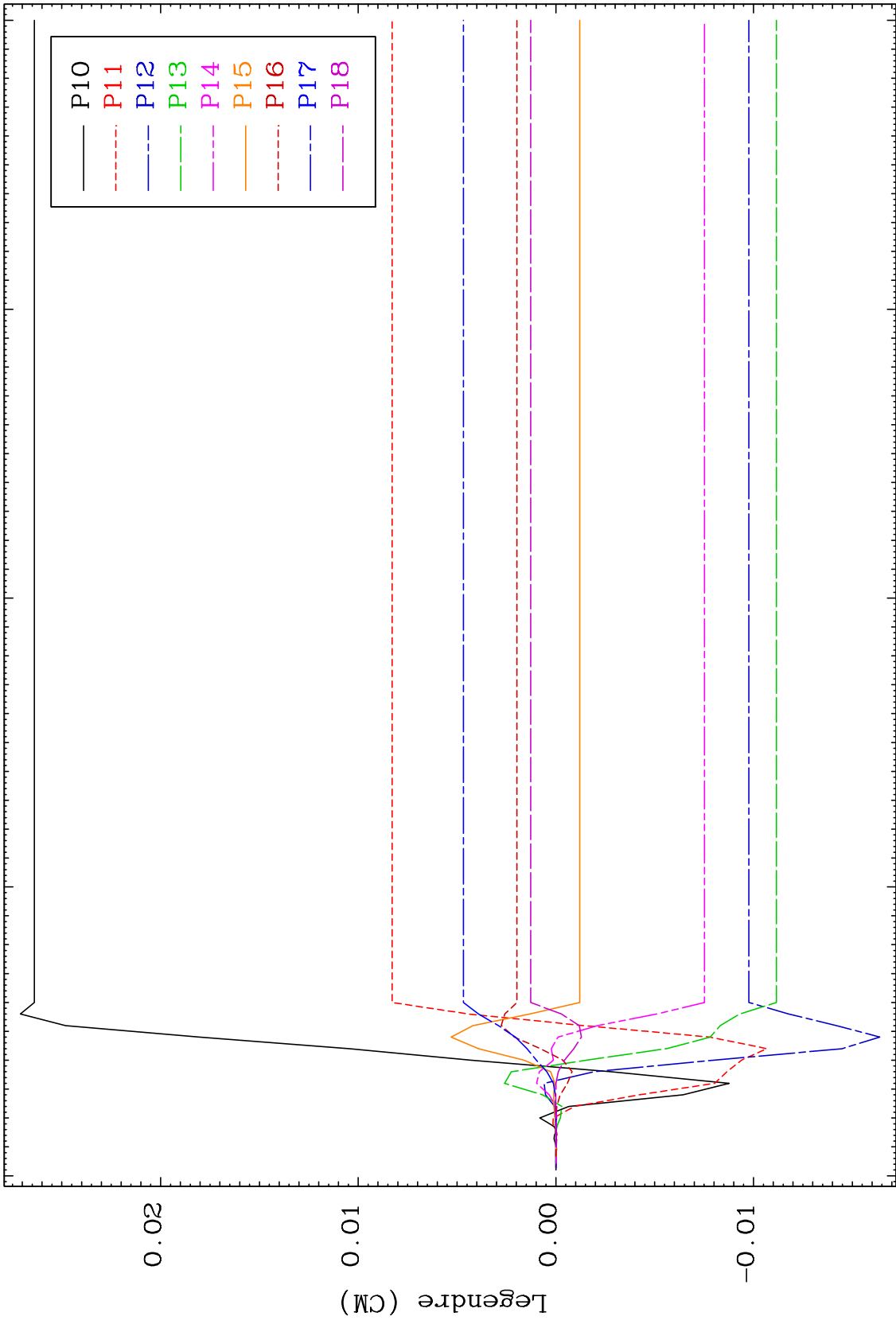
75-Re-190



75-Re-190

Incident Energy (MeV)

MAT 7540 MT= 71 (n,n') Level Legendre Coefficients 75-Re-190

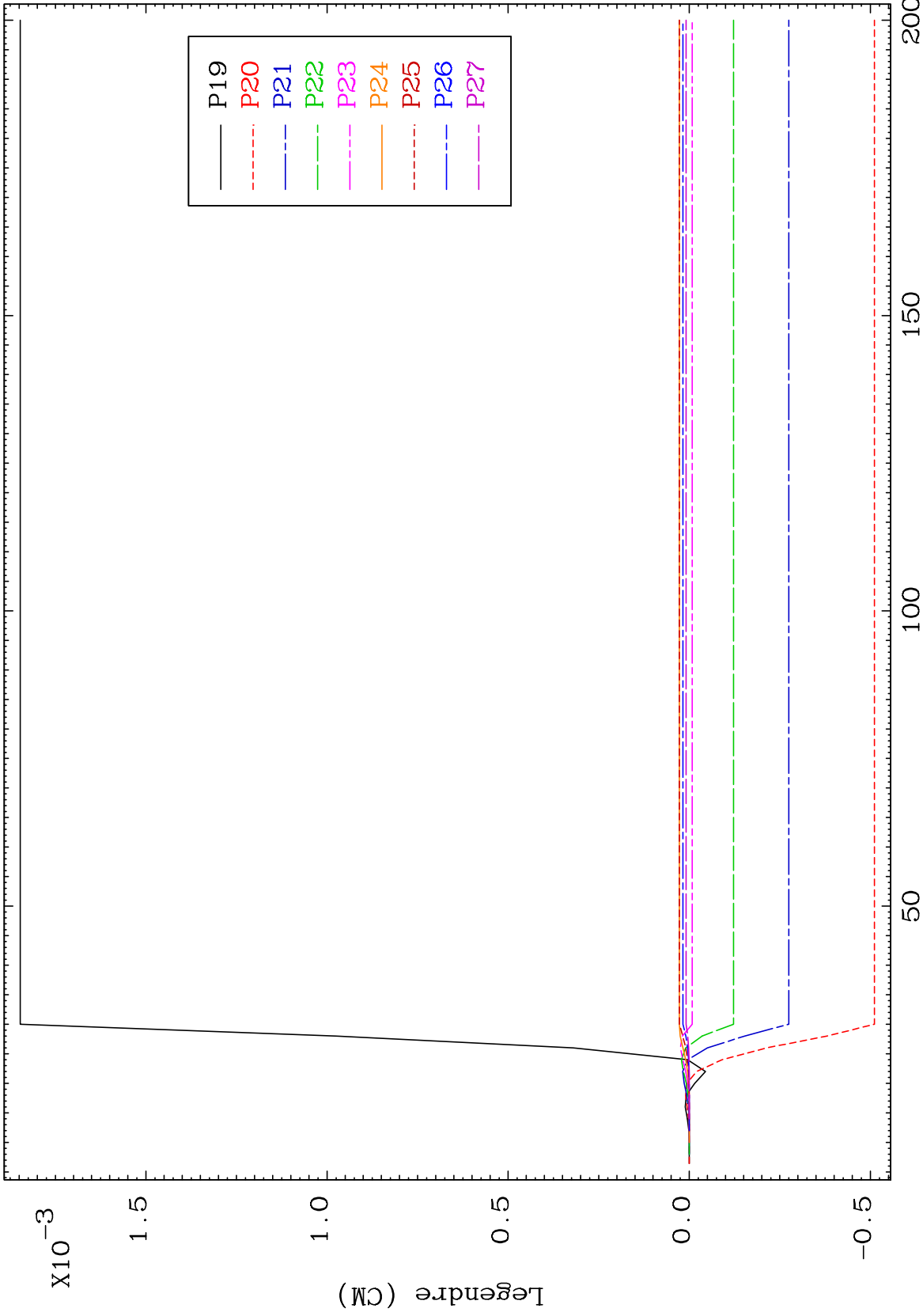


91 75-Re-190

MAT 7540

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

75-Re-190



92

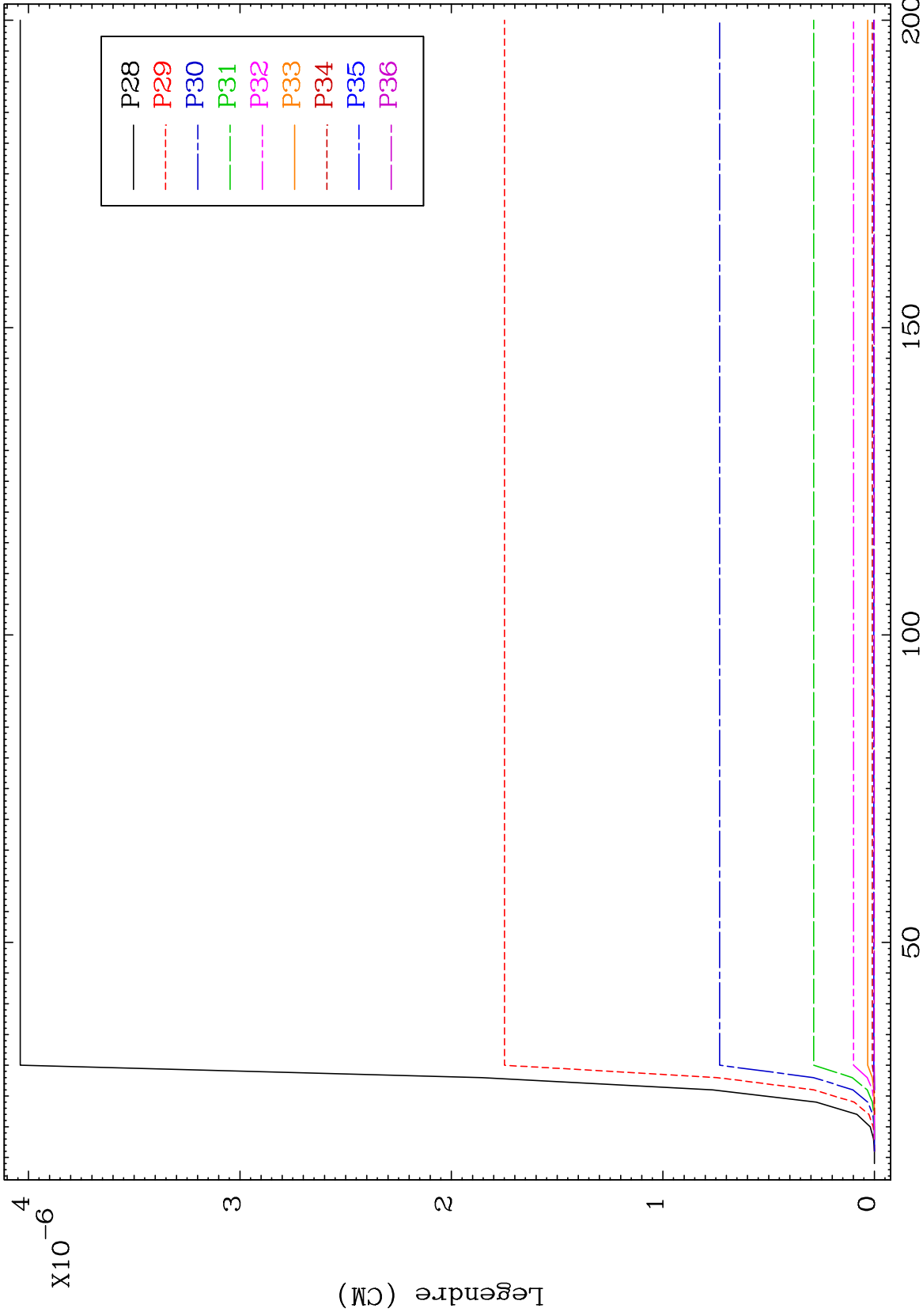
Incident Energy (MeV)

75-Re-190

MAT 7540

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

75-Re-190

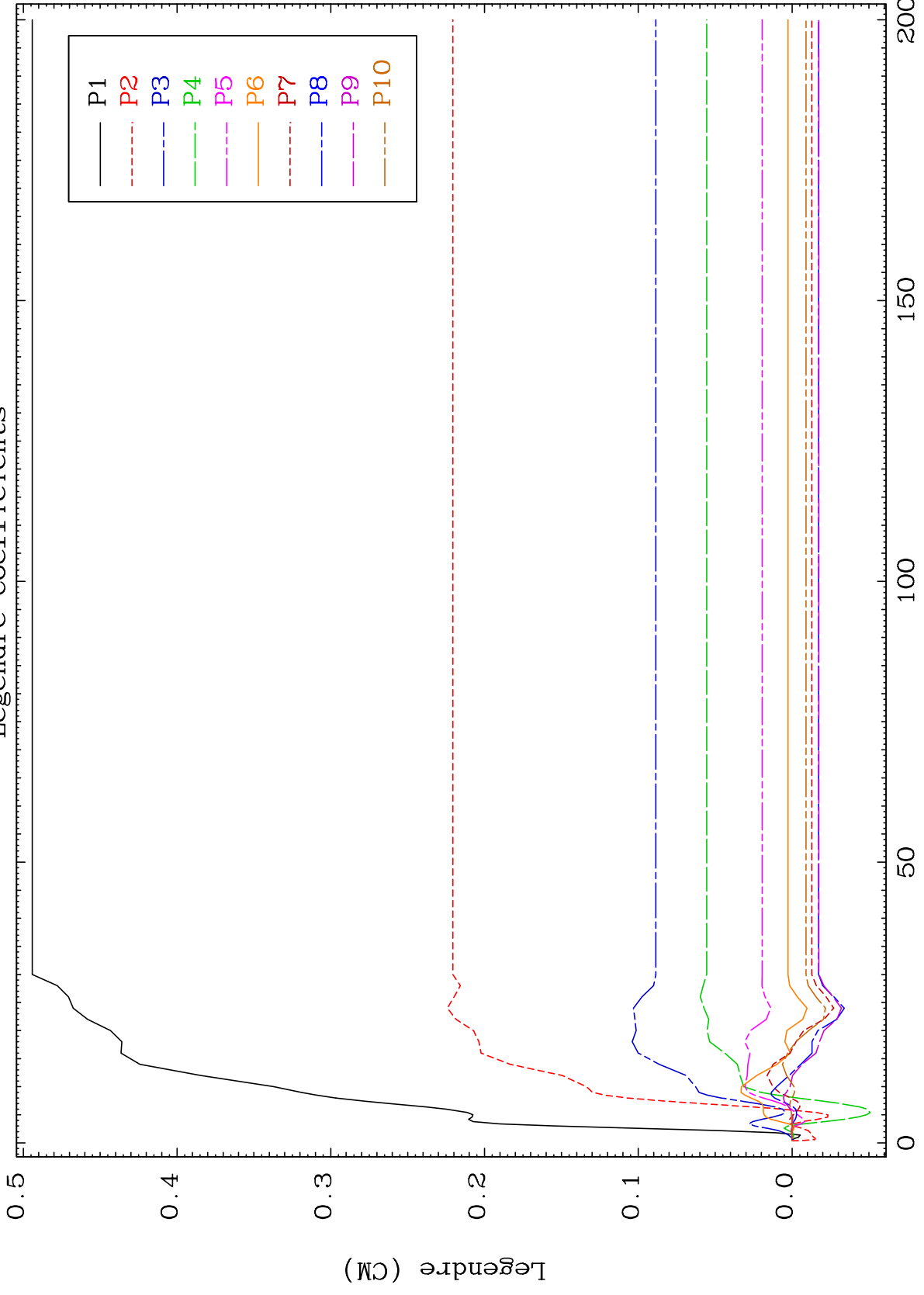


93

Incident Energy (MeV)

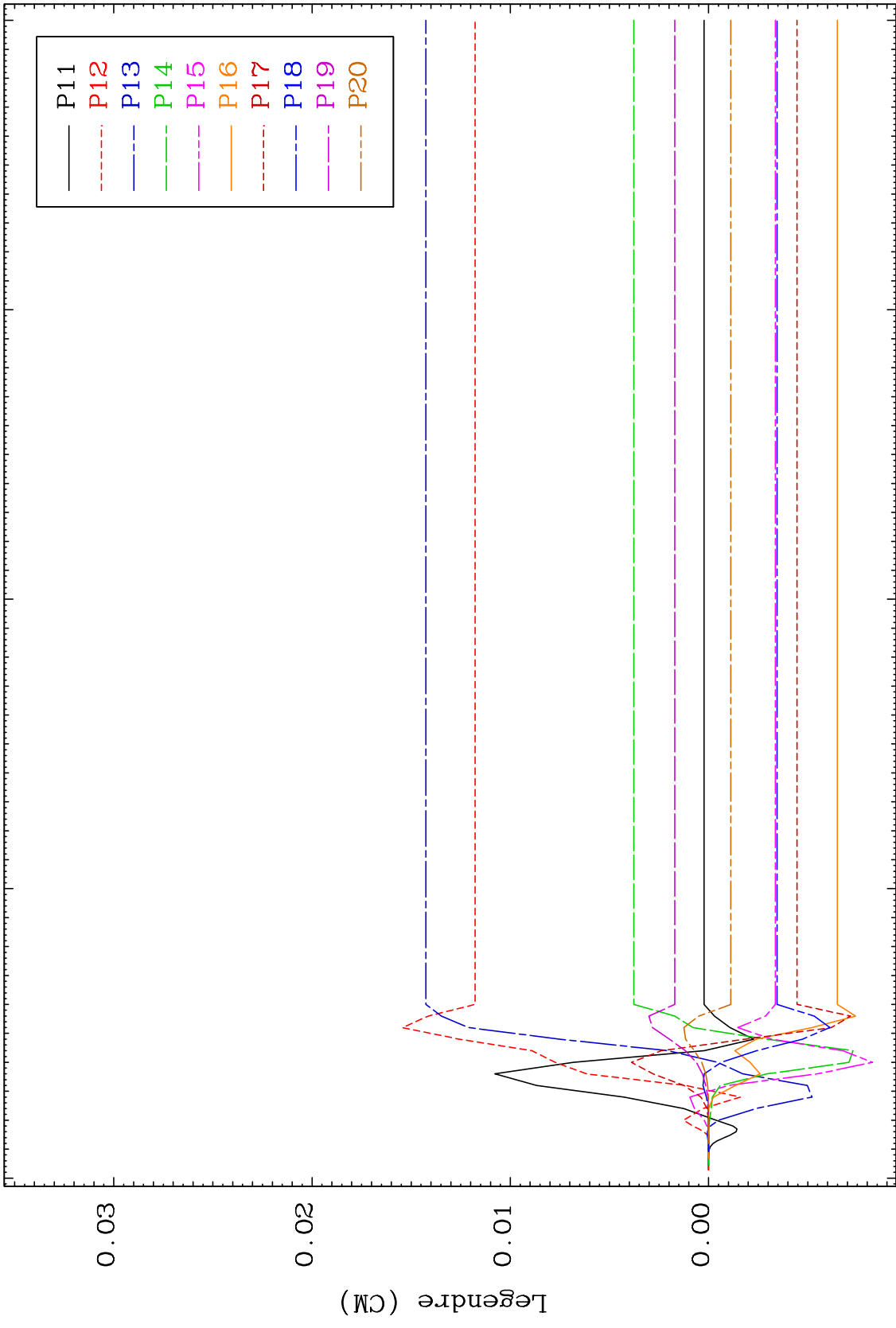
75-Re-190

MAT 7540 MT= 72 (n,n') Level Legendre Coefficients 75-Re-190



94 75-Re-190

MAT 7540 MT= 72 (n,n') Level Legendre Coefficients 75-Re-190

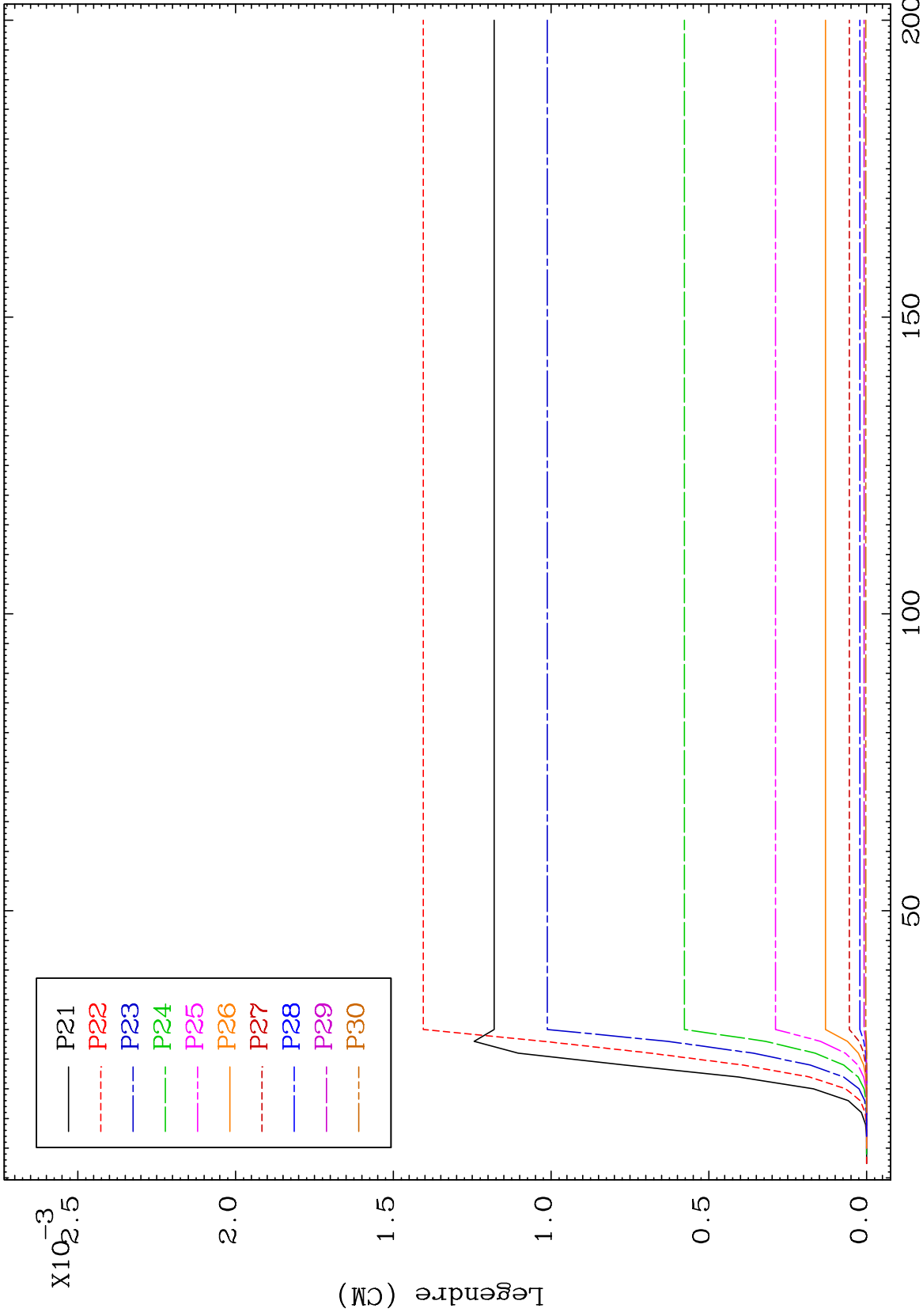


95 75-Re-190

MAT 7540

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

75-Re-190



96

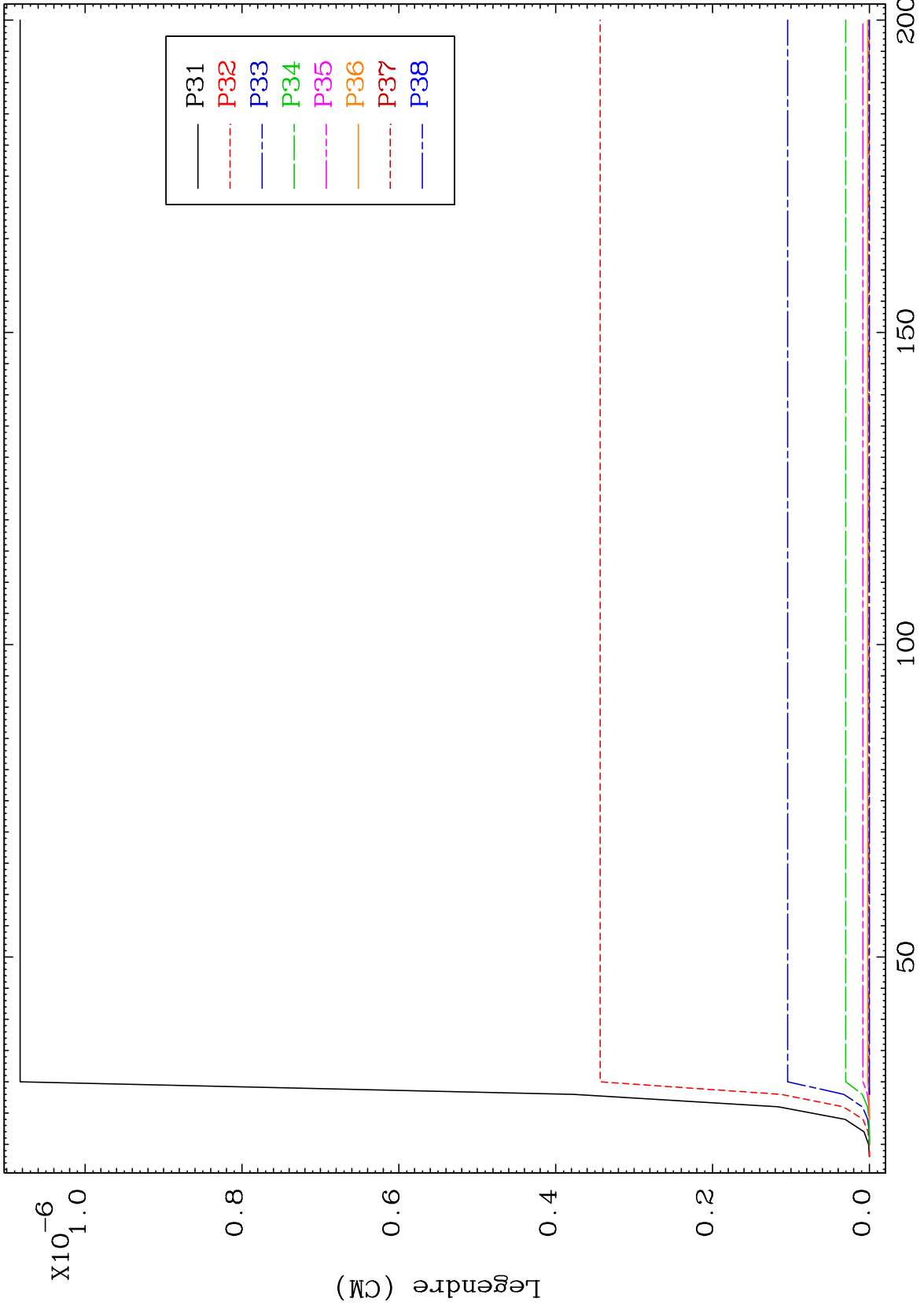
Incident Energy (MeV)

75-Re-190

MAT 7540

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

75-Re-190



97

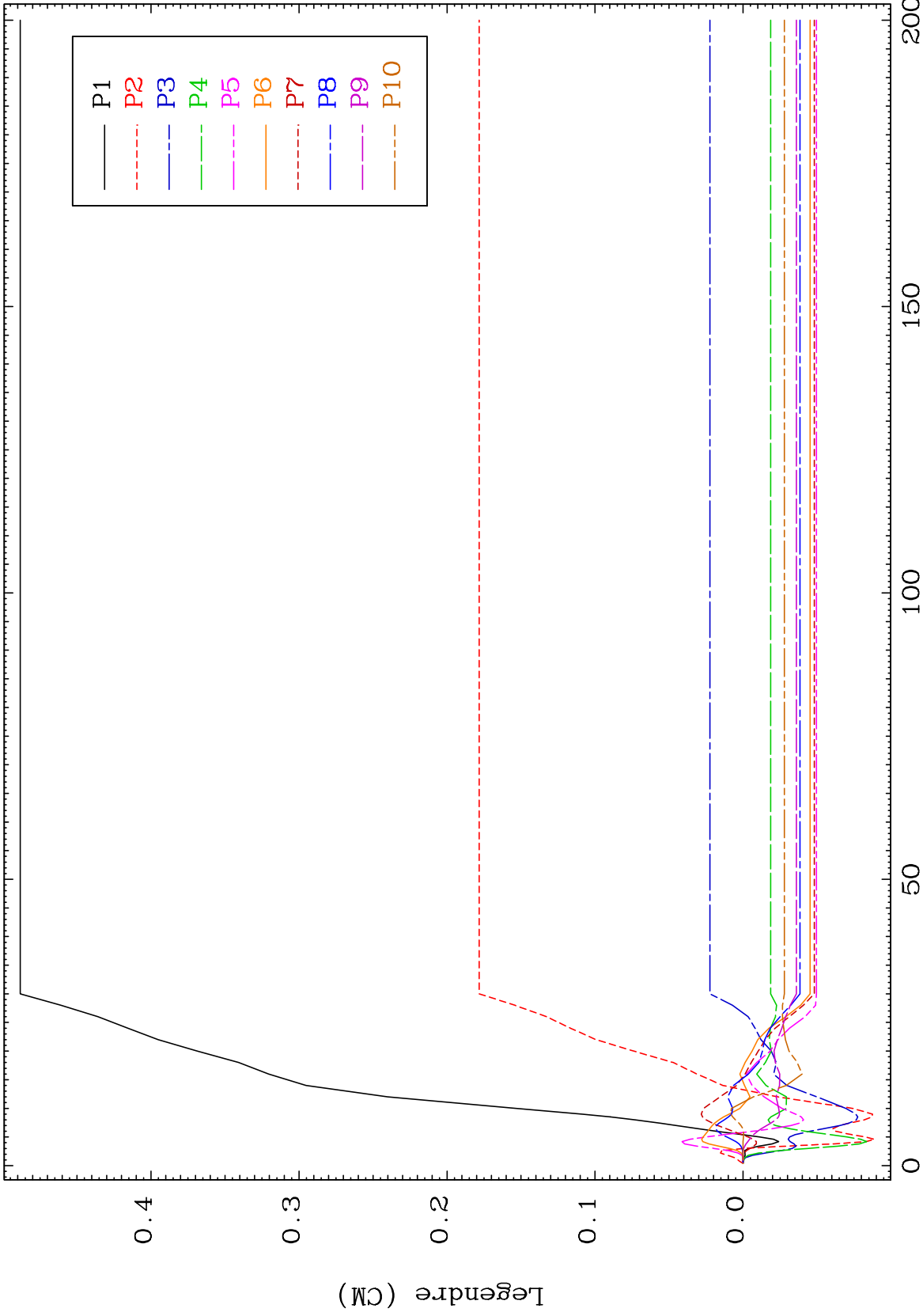
Incident Energy (MeV)

75-Re-190

MAT 7540

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

75-Re-190



98

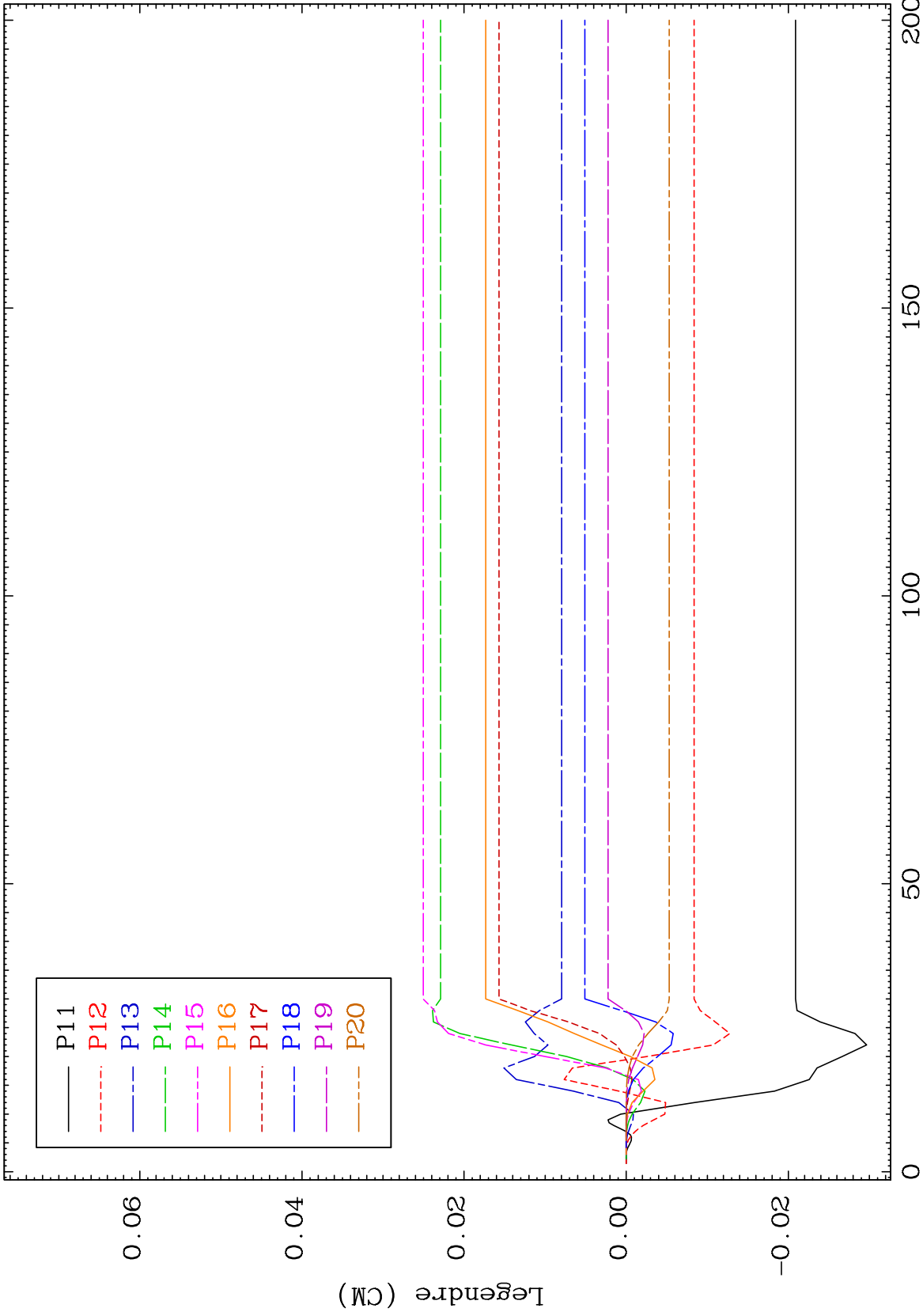
Incident Energy (MeV)

75-Re-190

MAT 7540

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

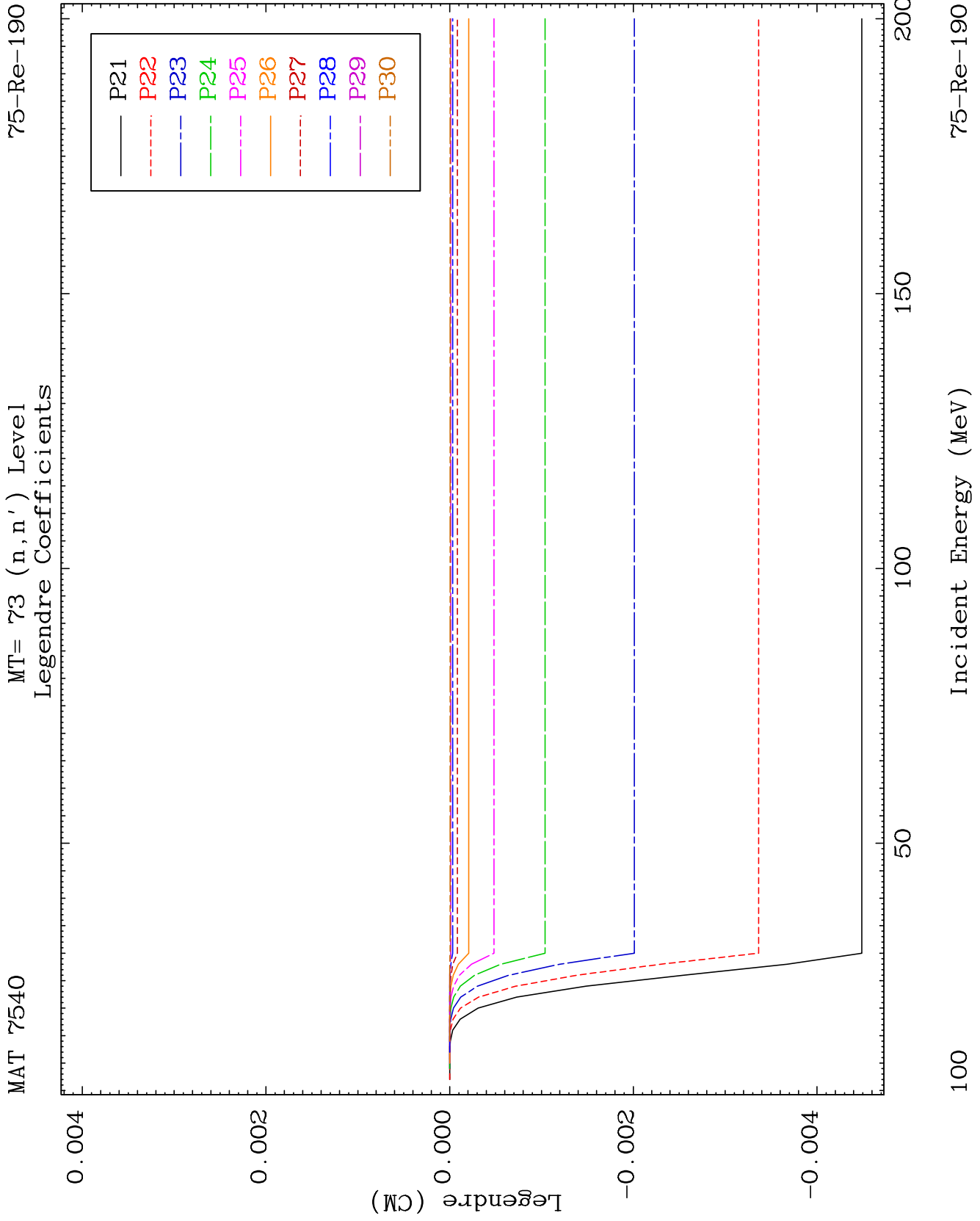
75-Re-190



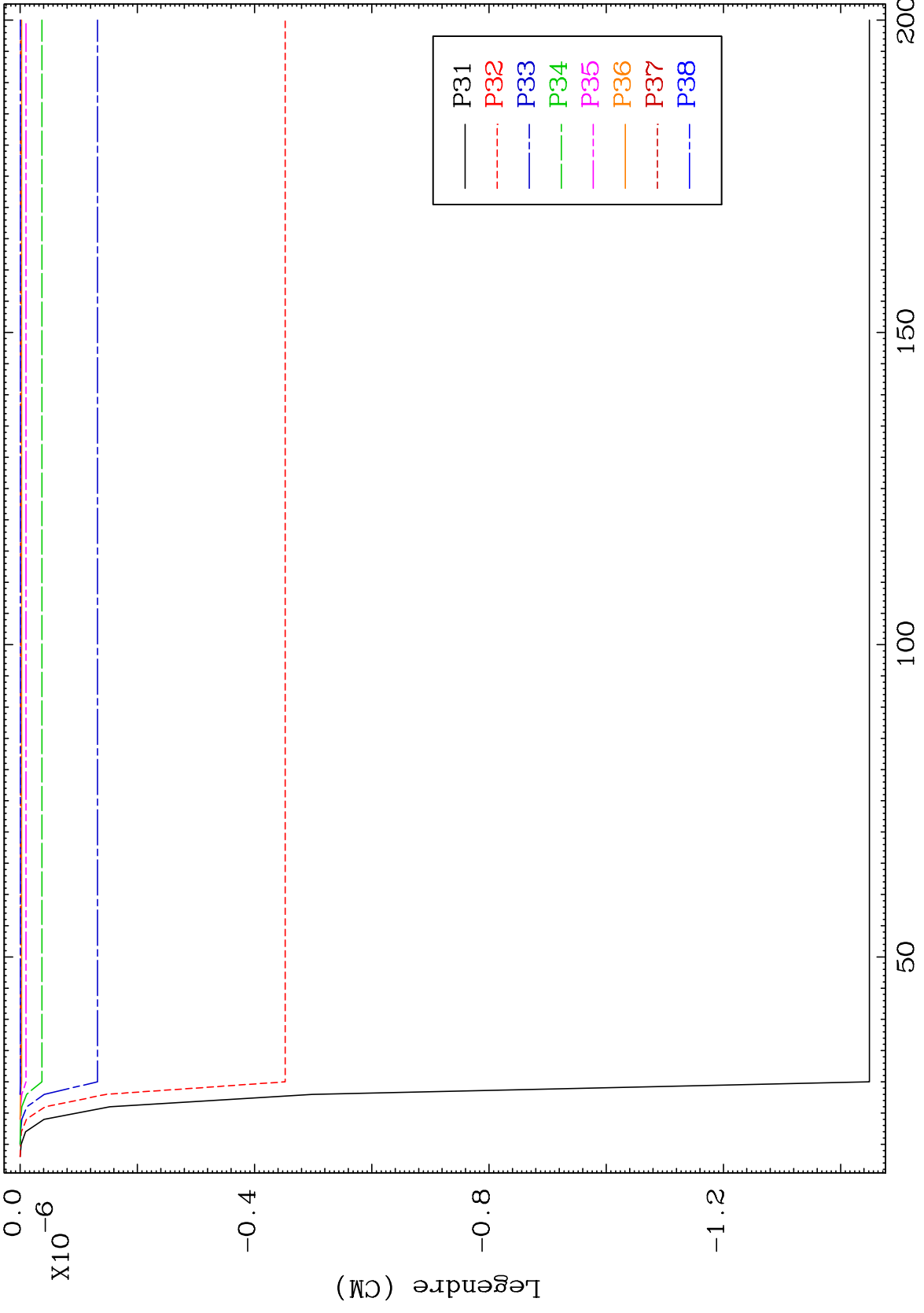
99

Incident Energy (MeV)

75-Re-190

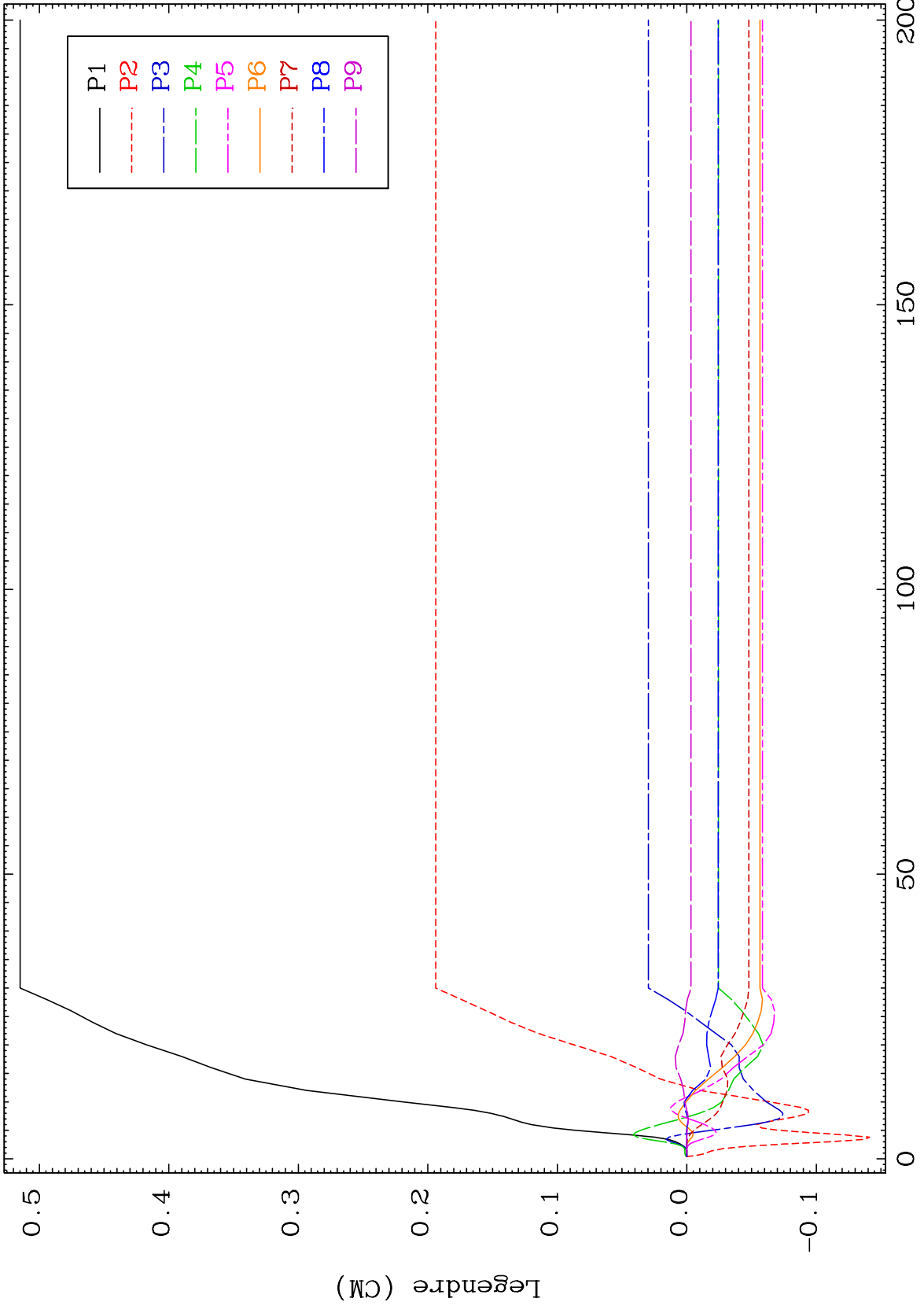


MAT 7540 MT= 73 (n,n') Level Legendre Coefficients 75-Re-190



101 Incident Energy (MeV) 75-Re-190

MAT 7540 MT= 74 (n,n') Level Legendre Coefficients 75-Re-190

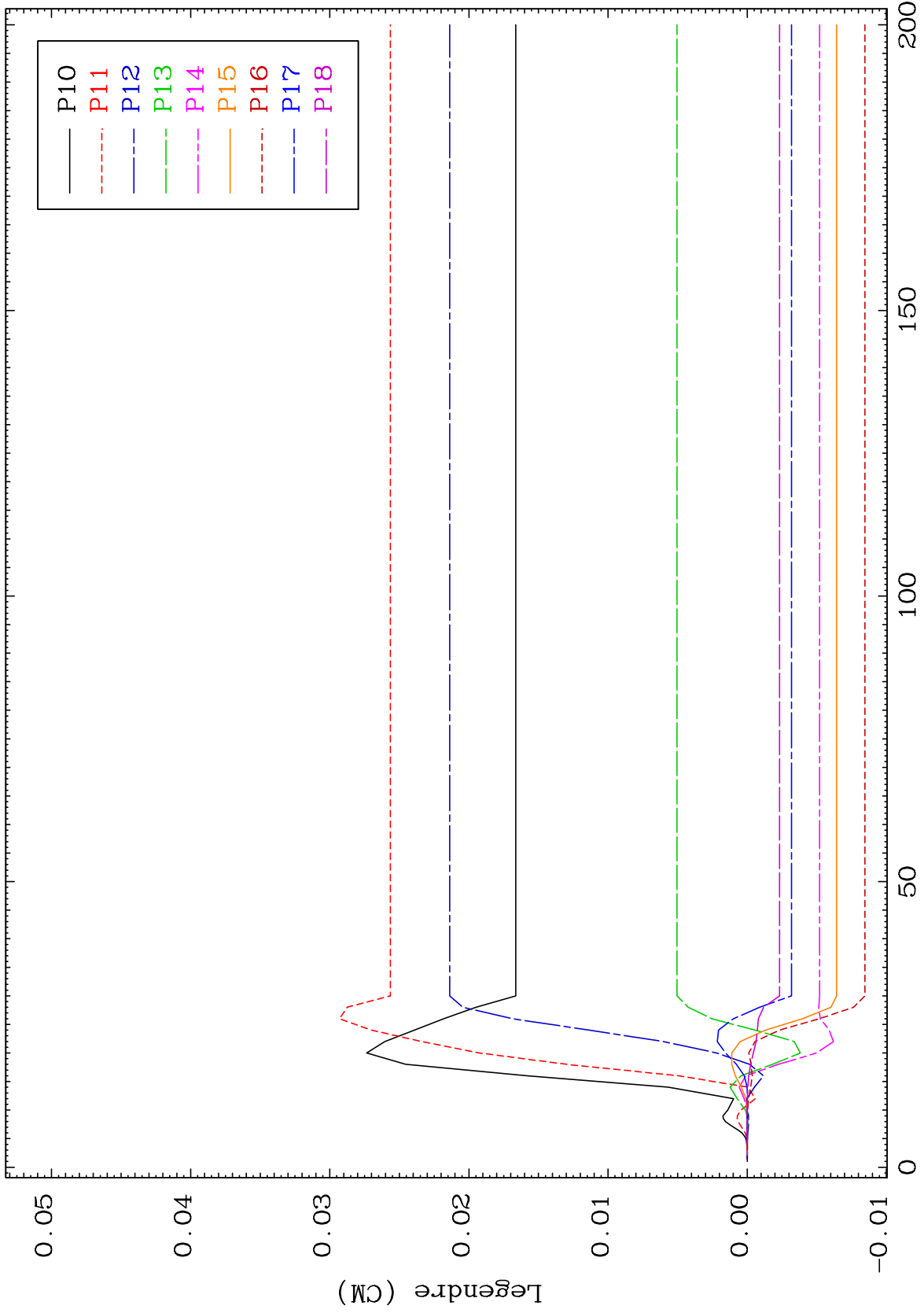


102 75-Re-190

MAT 7540

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

75-Re-190



103

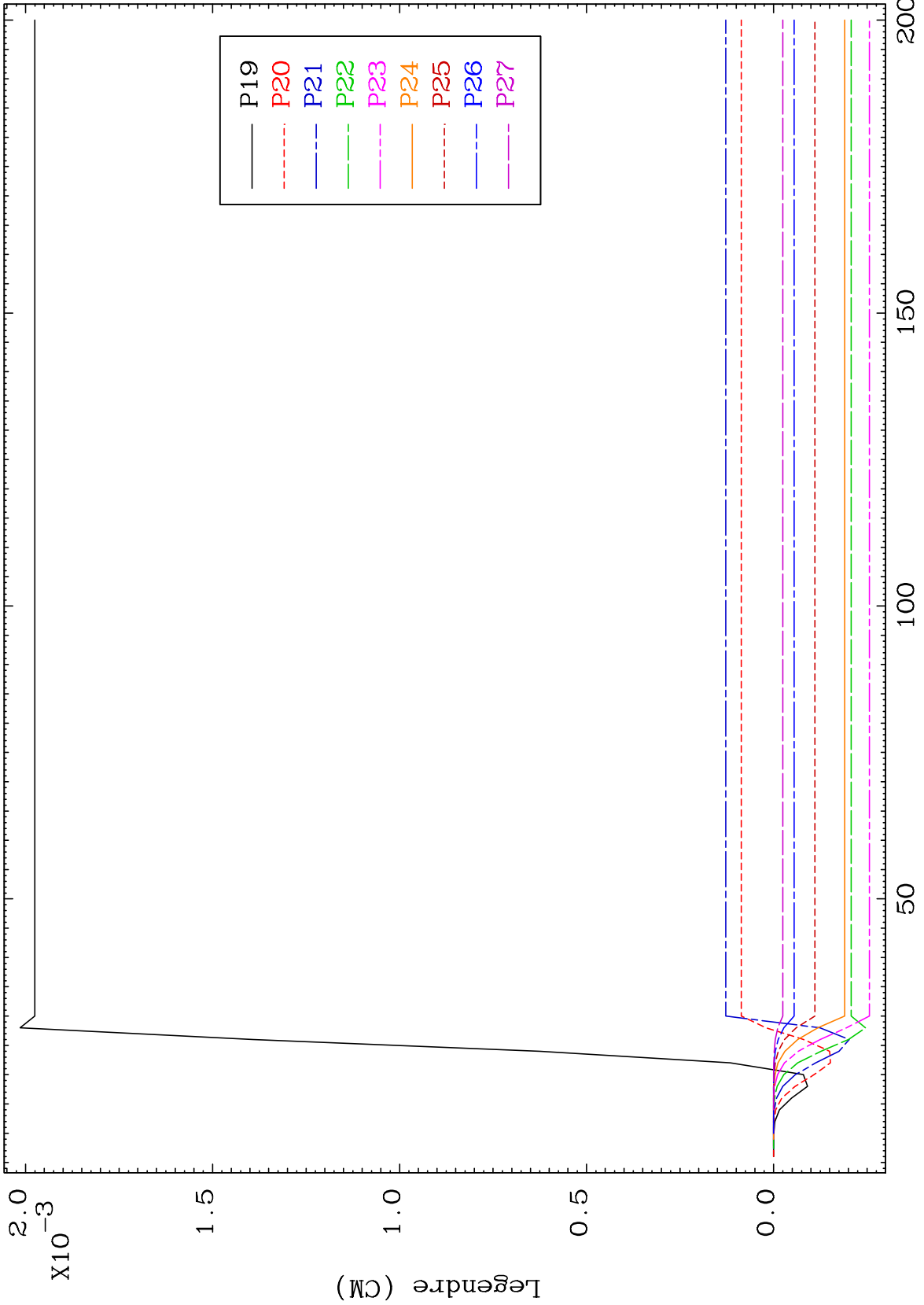
Incident Energy (MeV)

75-Re-190

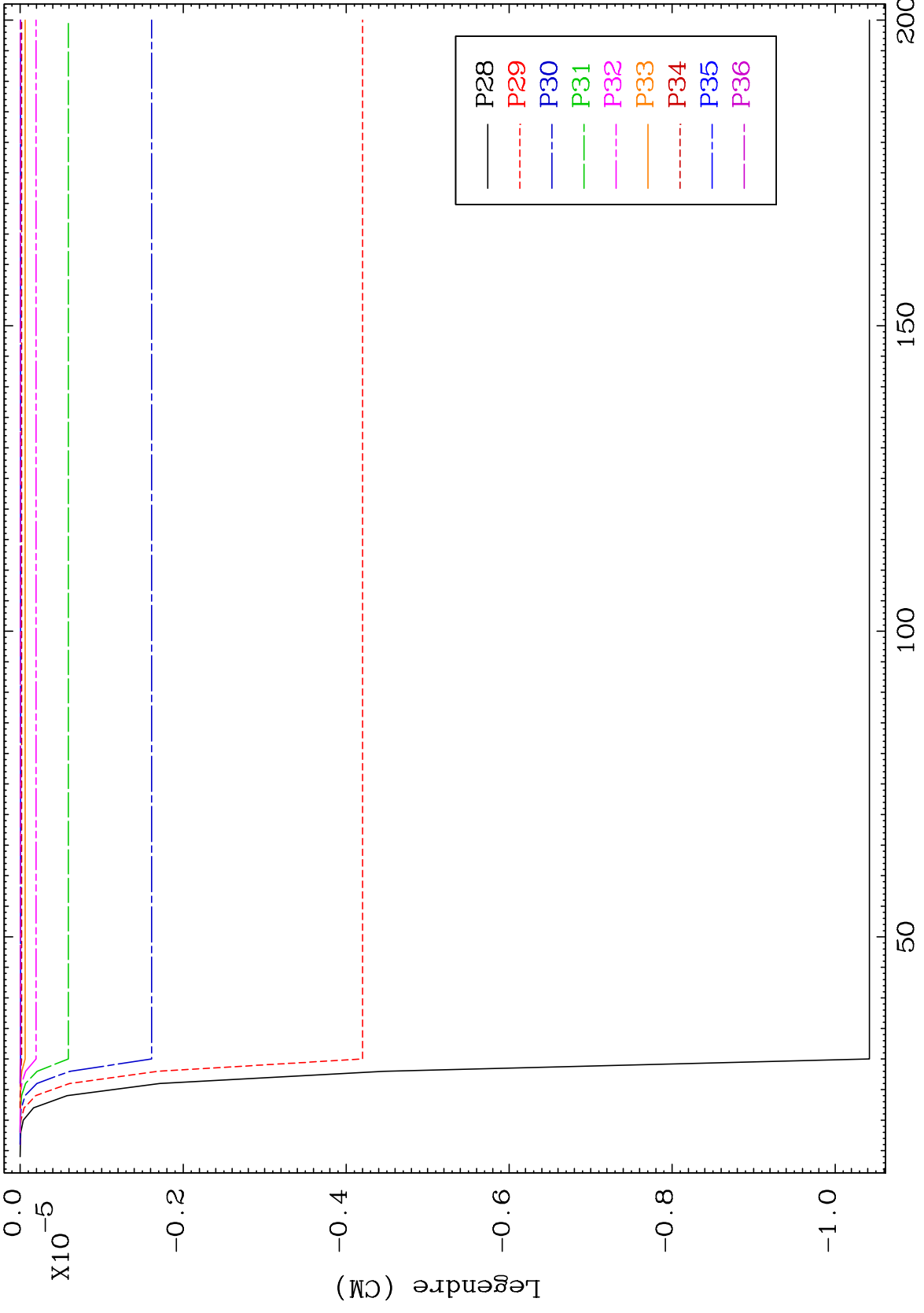
MAT 7540

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

75-Re-190



MAT 7540 MT= 74 (n,n') Level Legendre Coefficients 75-Re-190

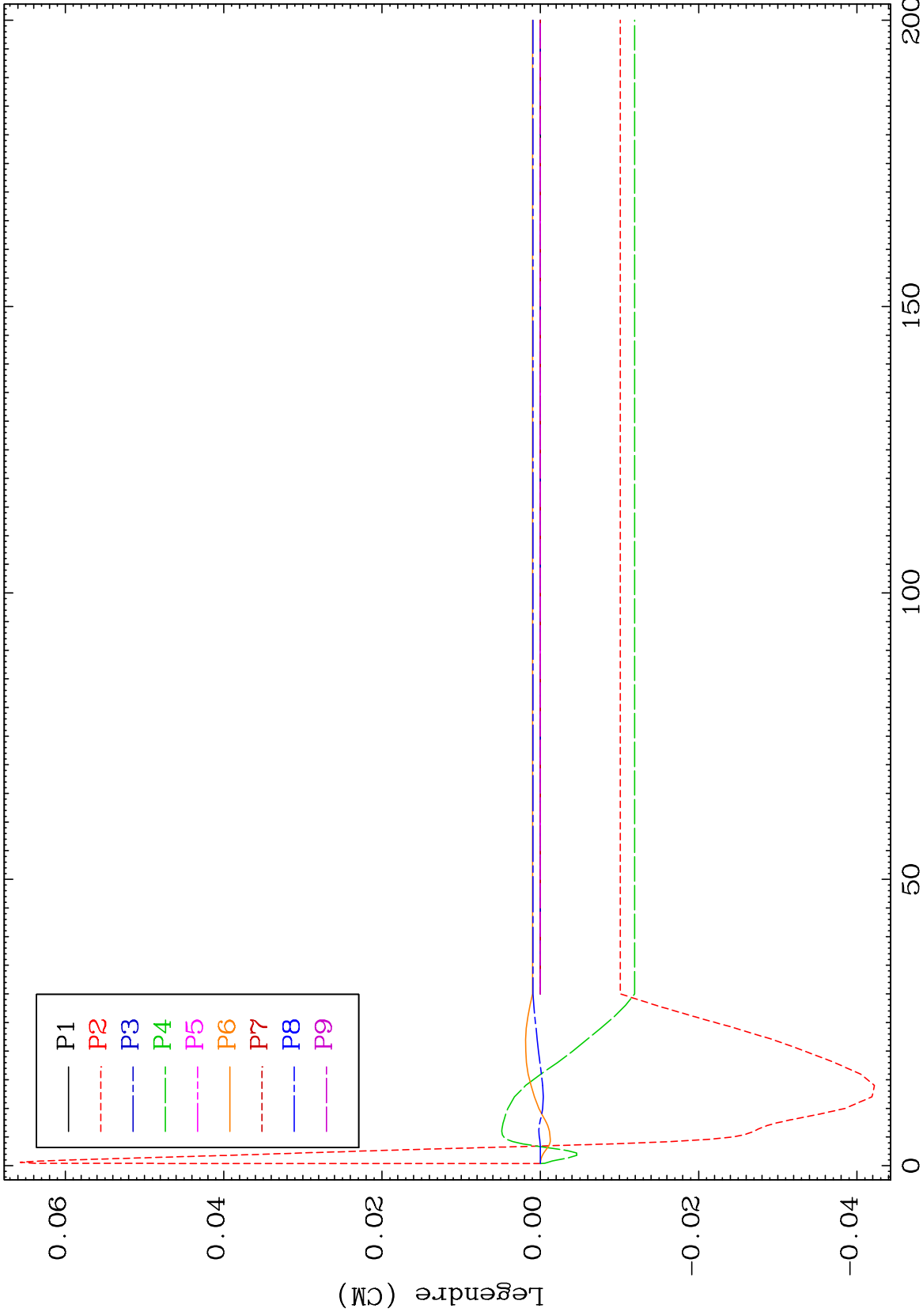


105 50 100 150 200 75-Re-190

MAT 7540

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

75-Re-190



106

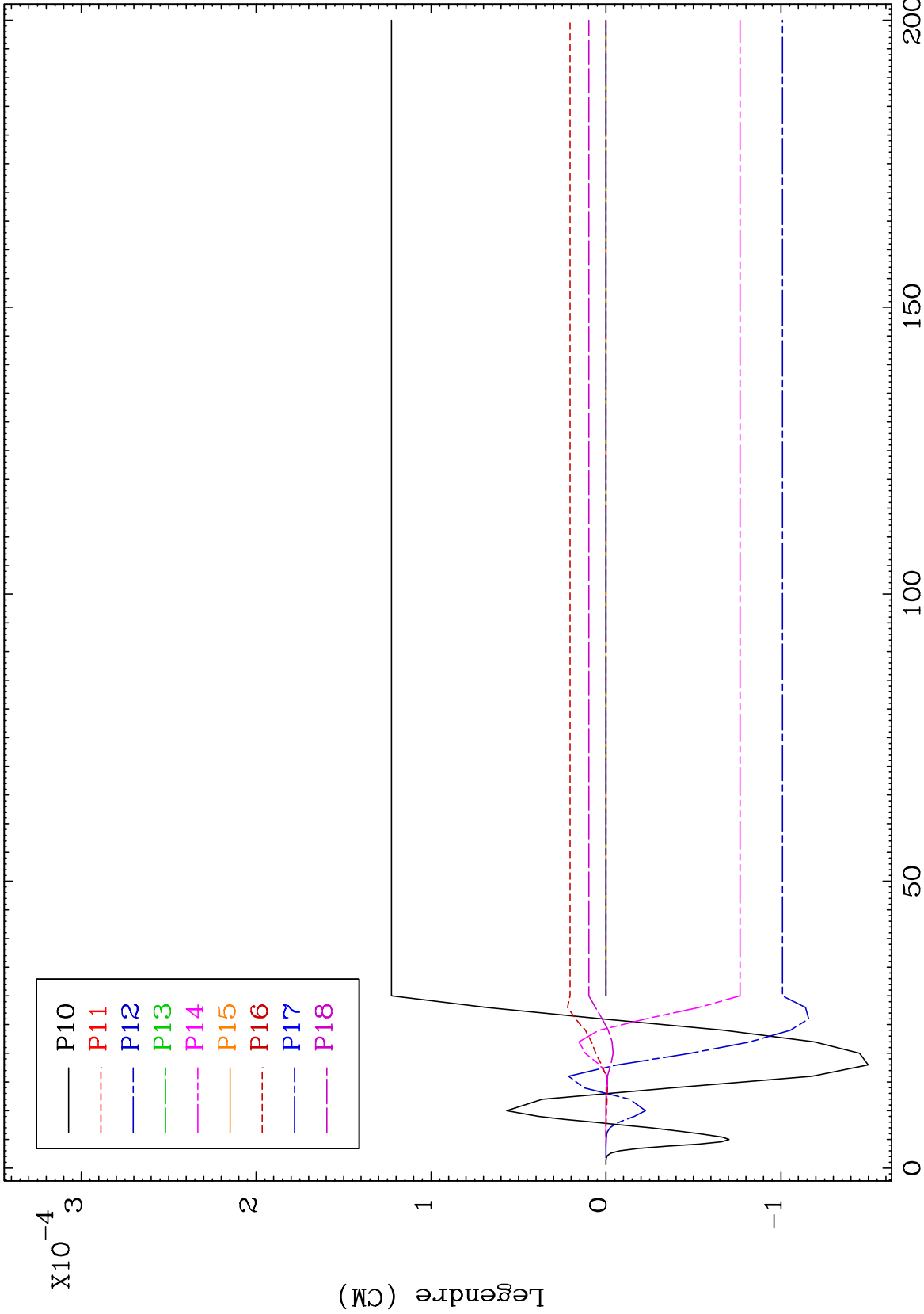
Incident Energy (MeV)

75-Re-190

MAT 7540

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

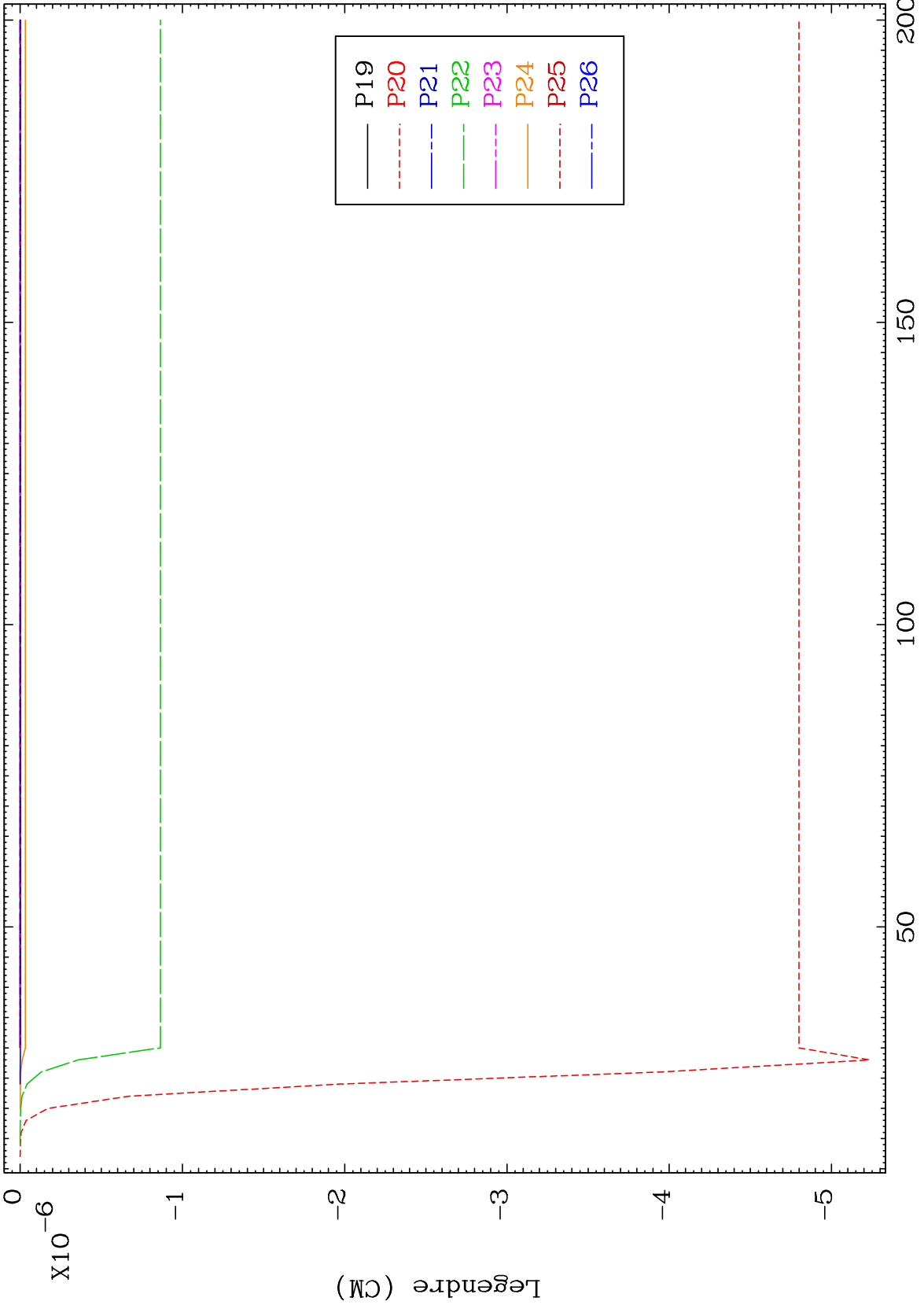
75-Re-190



107

75-Re-190

MAT 7540 MT= 75 (n,n') Level Legendre Coefficients 75-Re-190

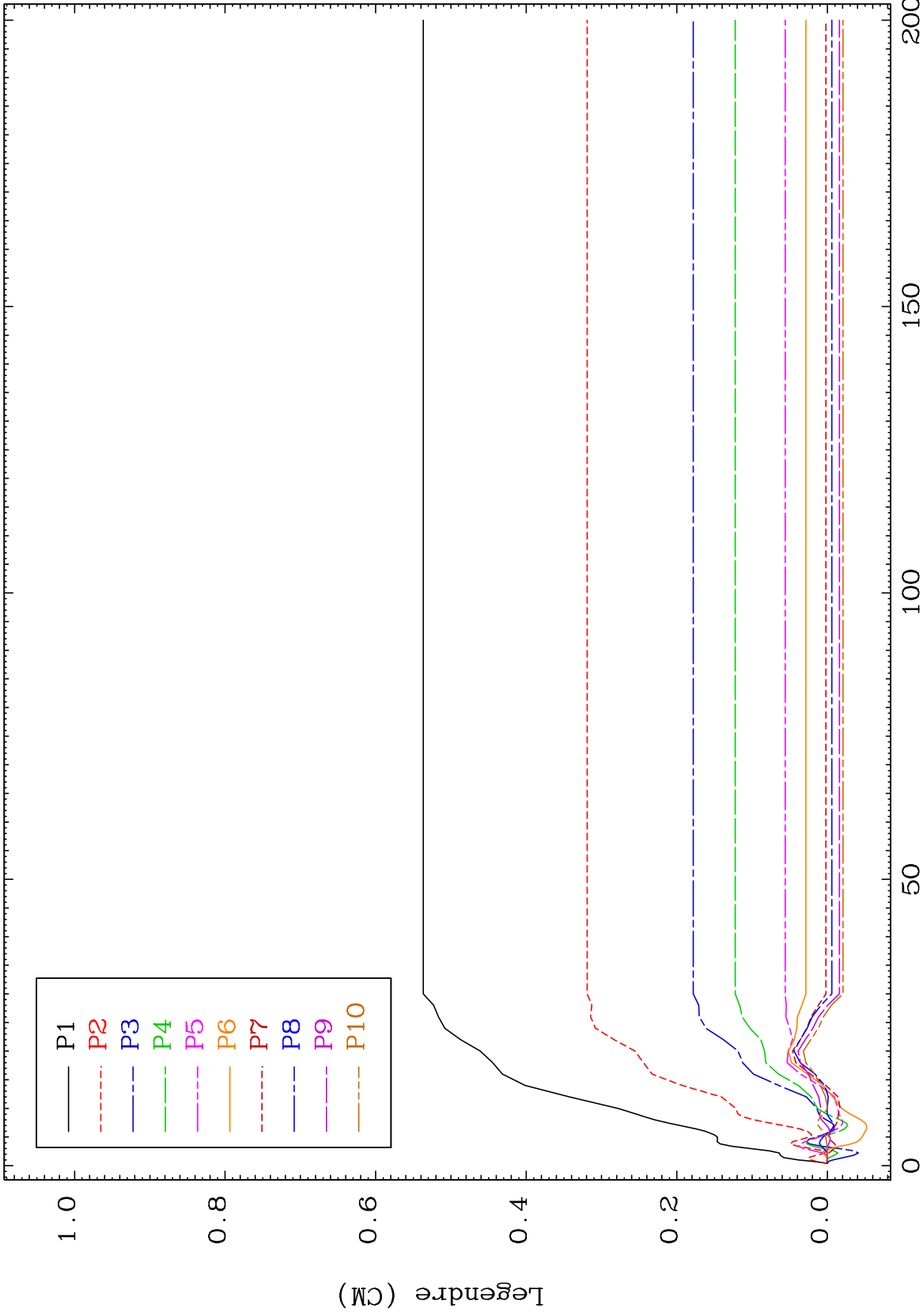


108 75-Re-190

MAT 7540

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

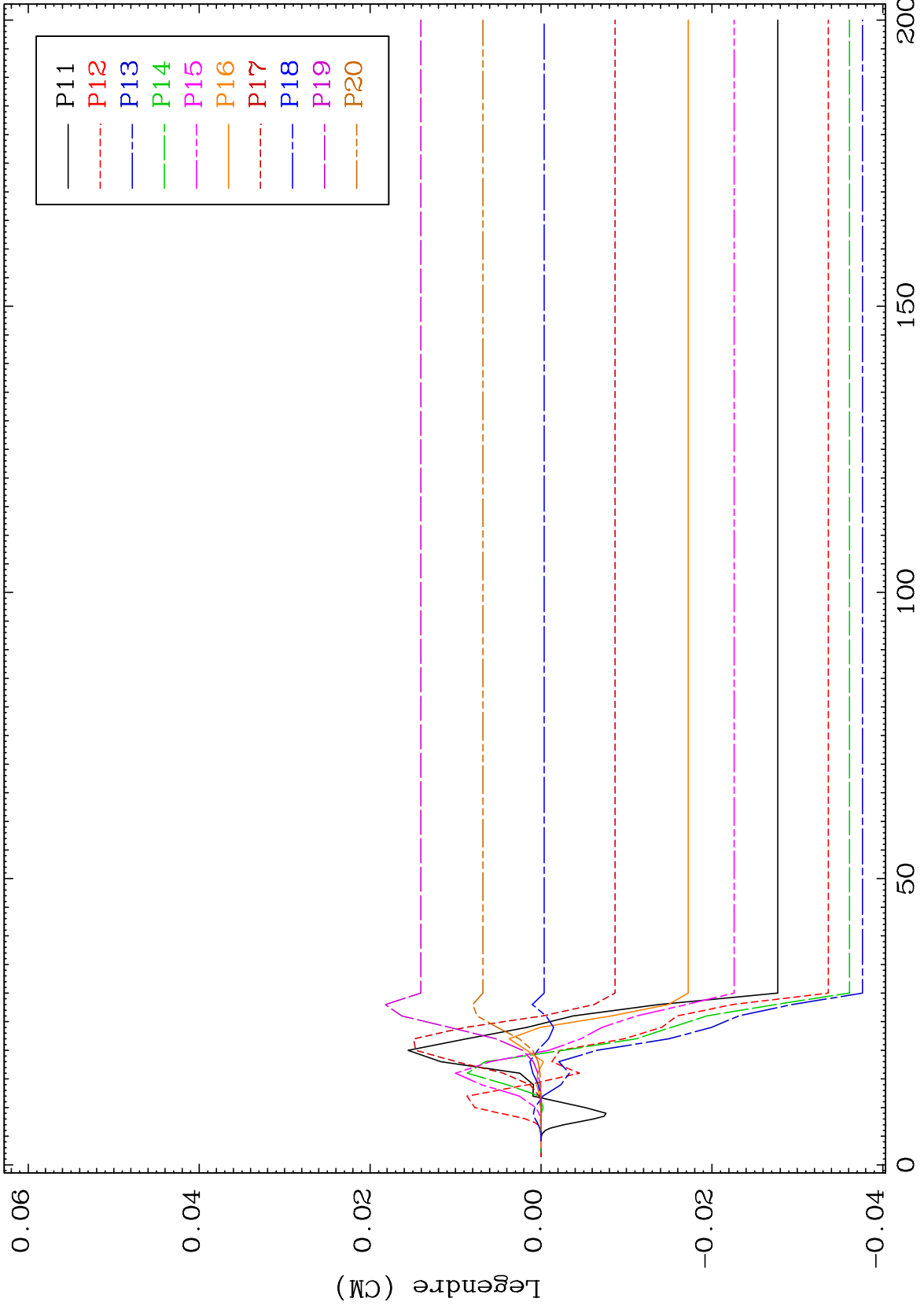
75-Re-190



109

75-Re-190

MAT 7540 MT= 76 (n,n') Level Legendre Coefficients 75-Re-190

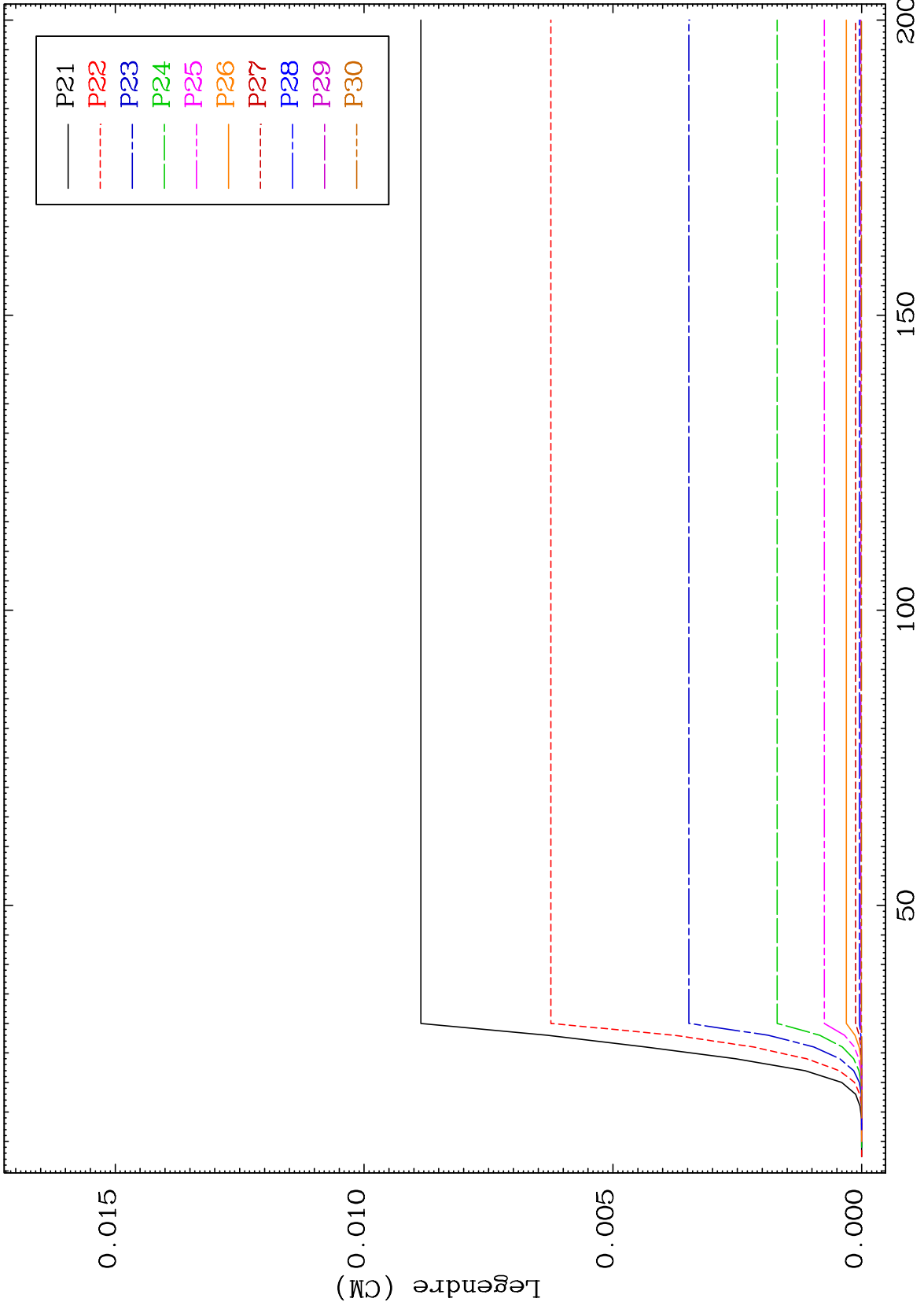


110 Incident Energy (MeV) 75-Re-190

MAT 7540

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

75-Re-190

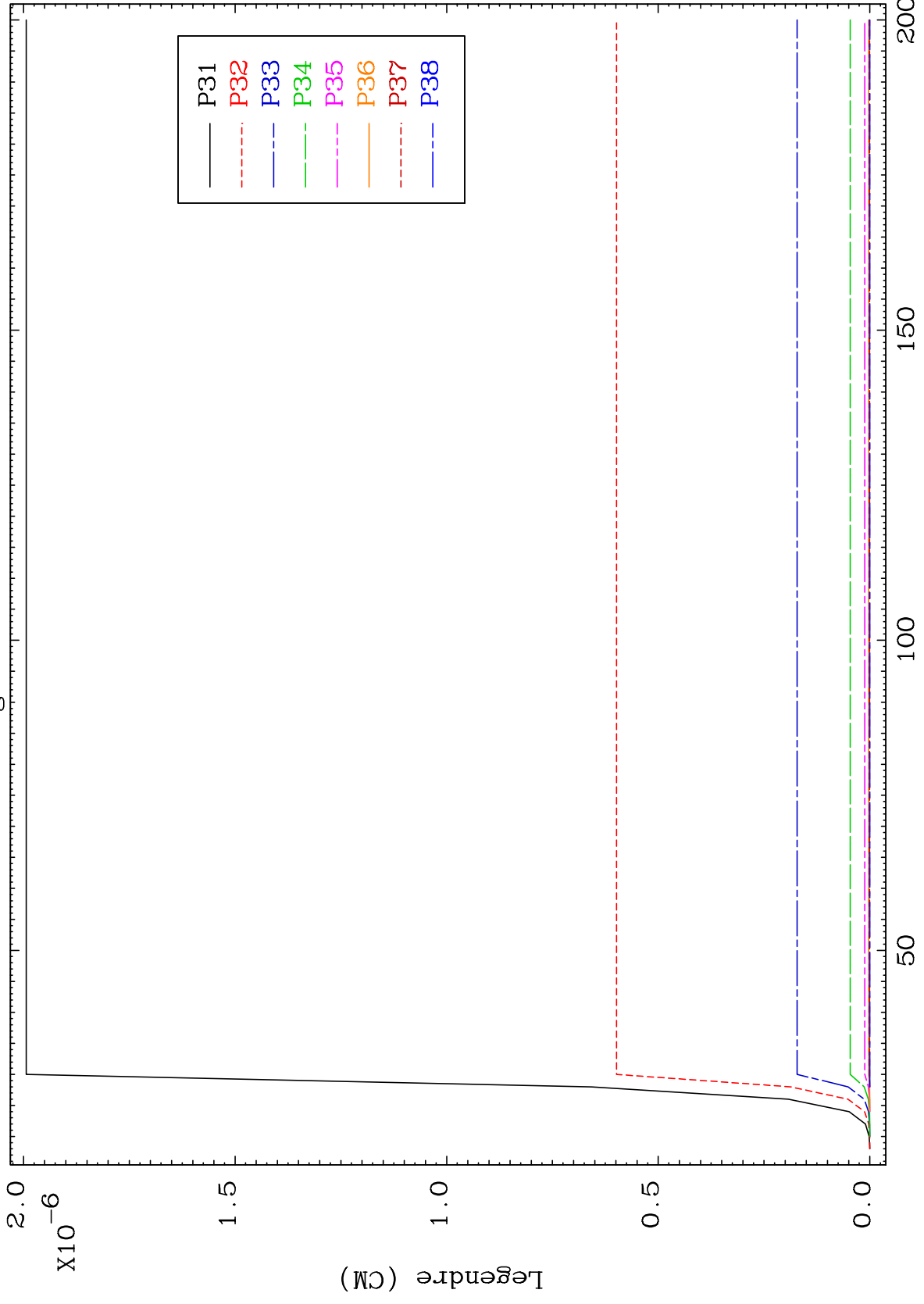


111

Incident Energy (MeV)

75-Re-190

MAT 7540 MT= 76 (n,n') Level Legendre Coefficients 75-Re-190

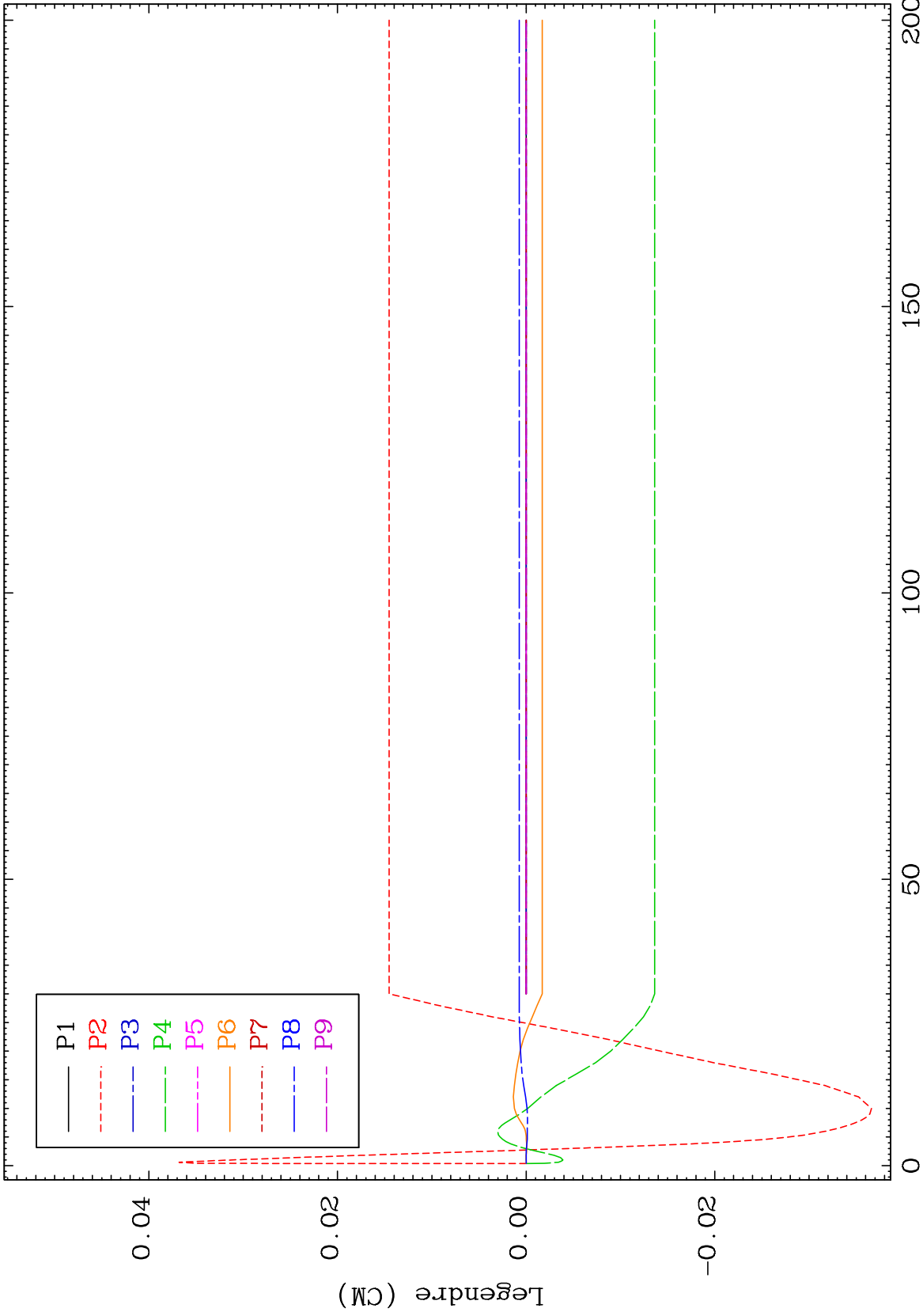


112 75-Re-190

MAT 7540

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

75-Re-190



113

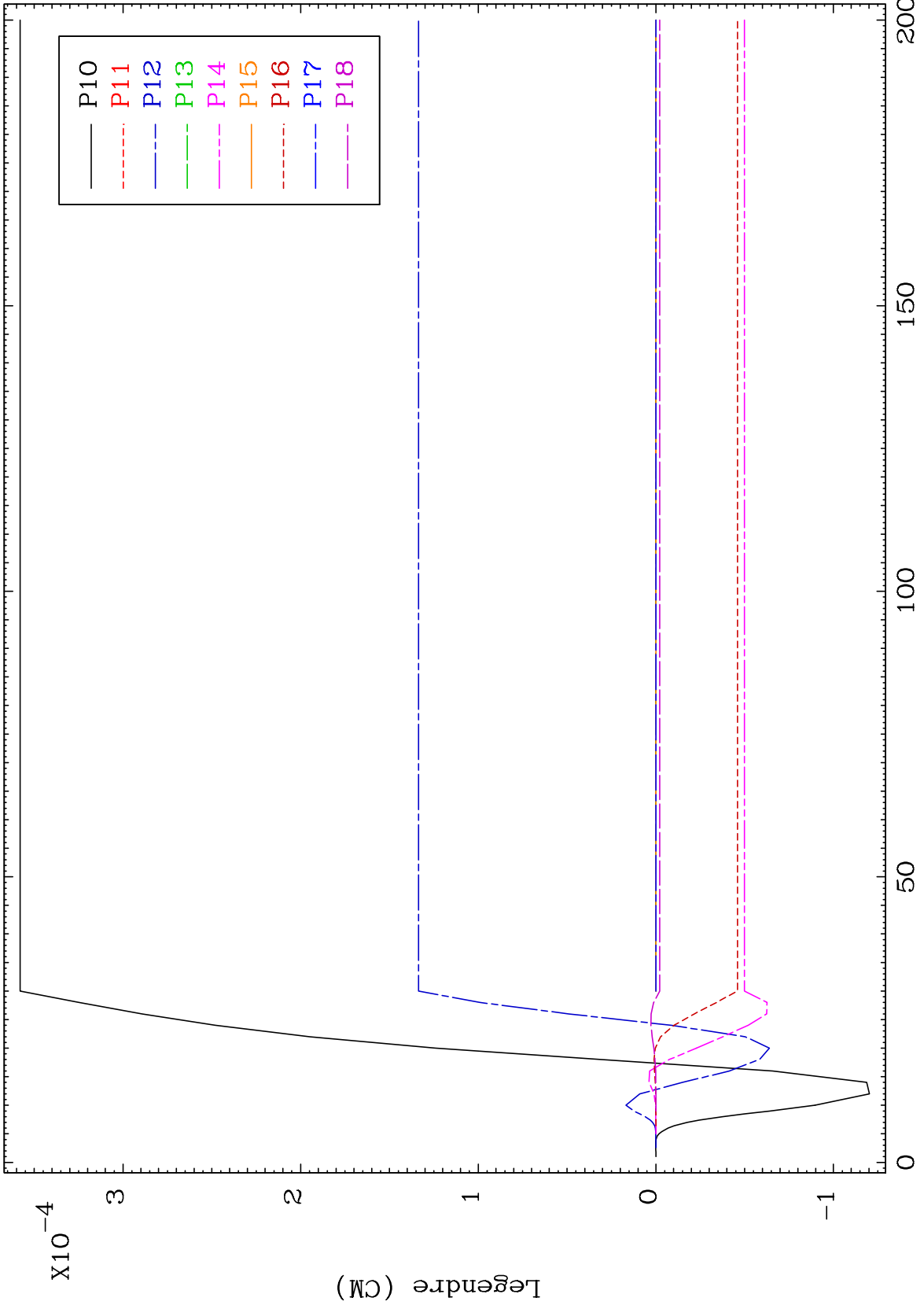
Incident Energy (MeV)

75-Re-190

MAT 7540

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

75-Re-190

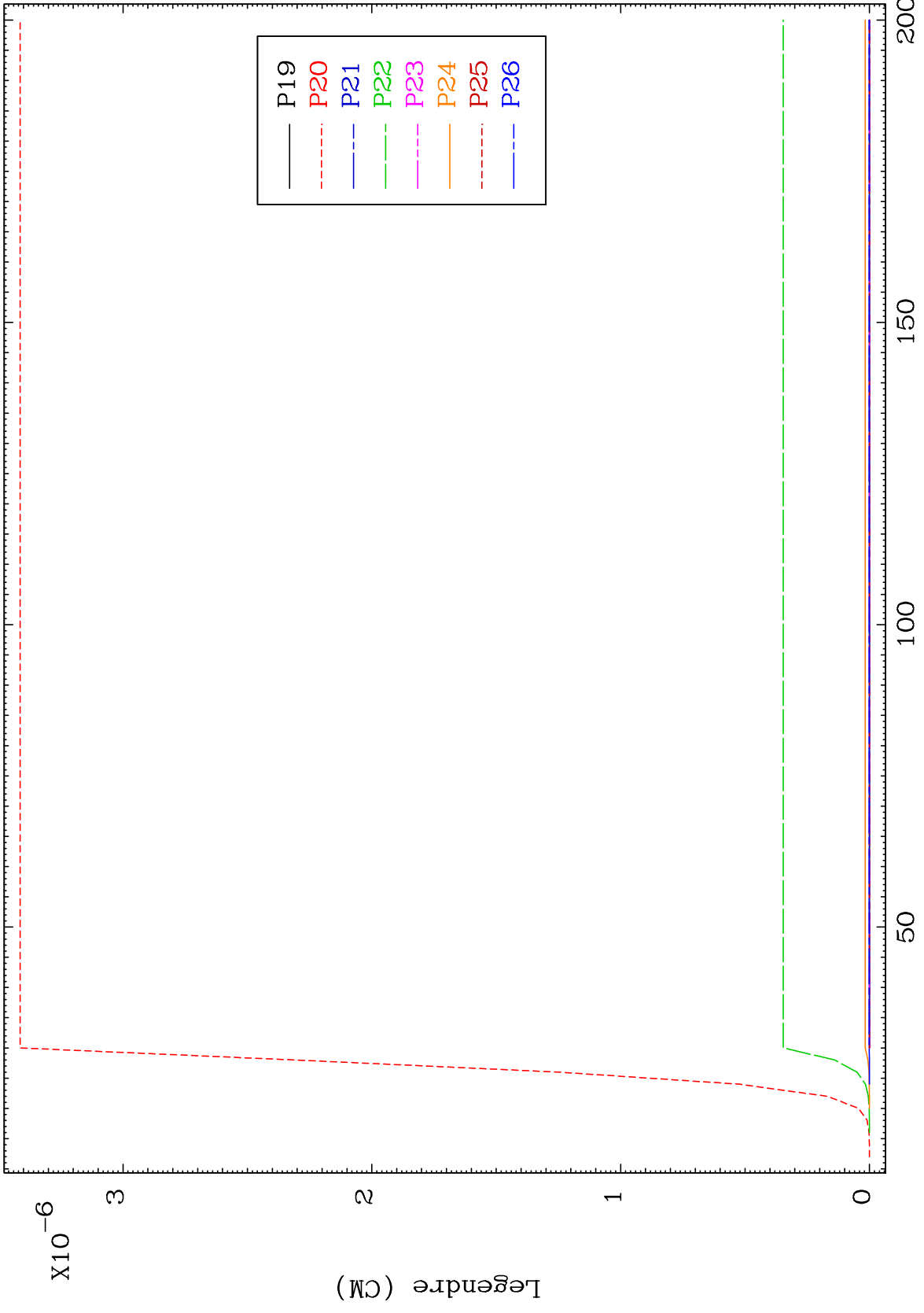


114

Incident Energy (MeV)

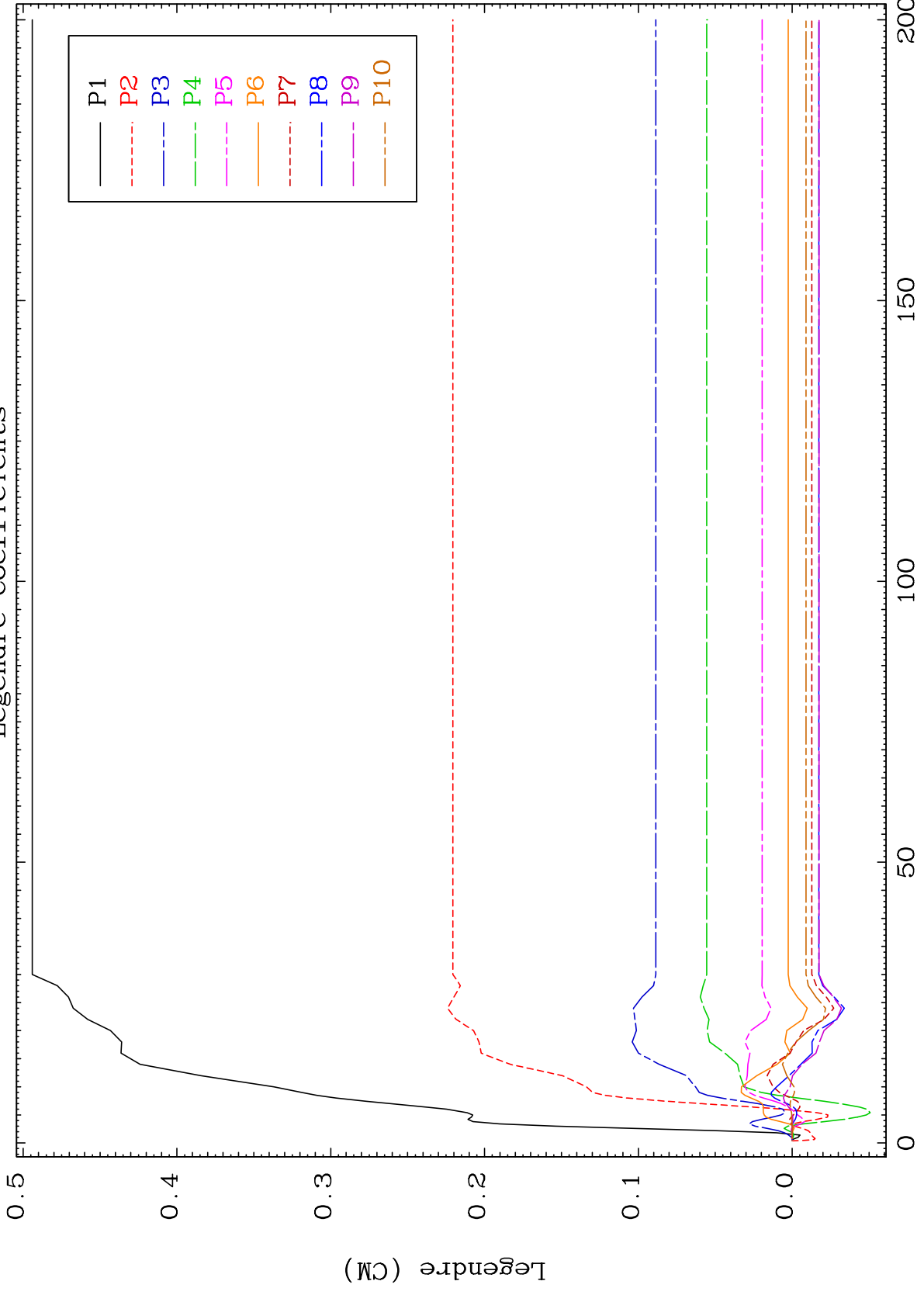
75-Re-190

MAT 7540 MT= 77 (n,n') Level Legendre Coefficients 75-Re-190

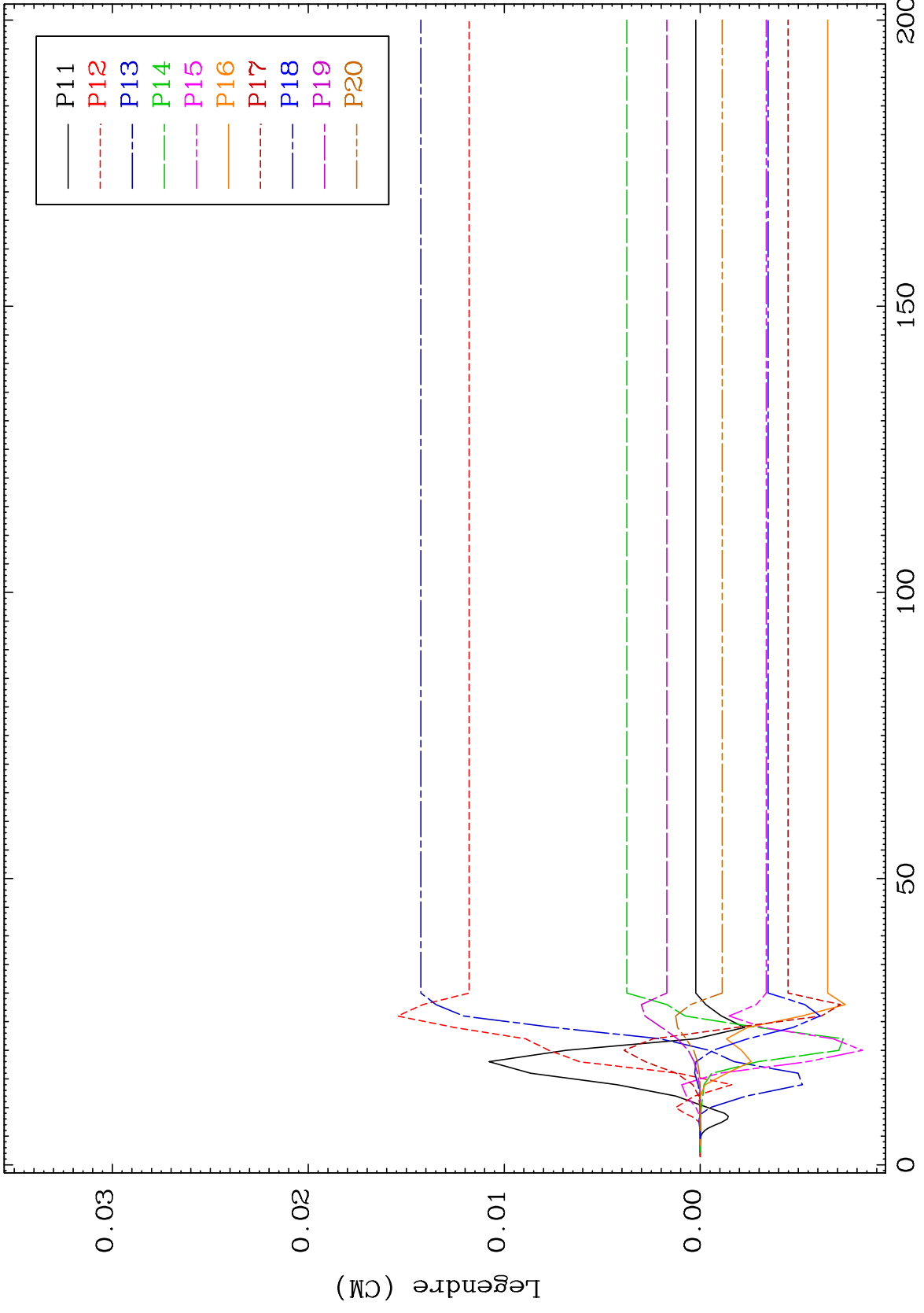


115 50 100 150 200 Incident Energy (MeV) 75-Re-190

MAT 7540 MT= 78 (n,n') Level Legendre Coefficients 75-Re-190



MAT 7540 MT= 78 (n,n') Level Legendre Coefficients 75-Re-190

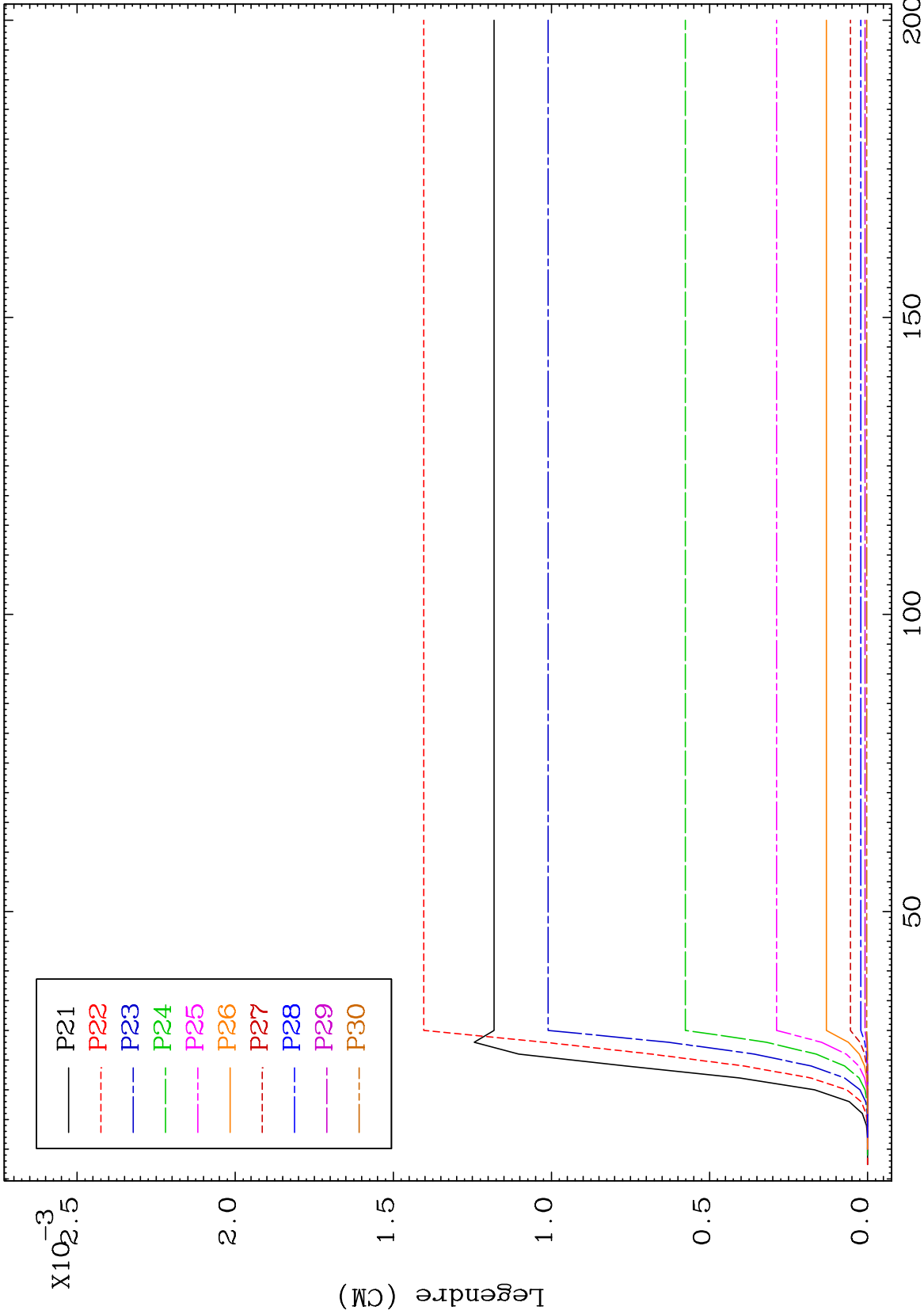


117 75-Re-190

MAT 7540

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

75-Re-190

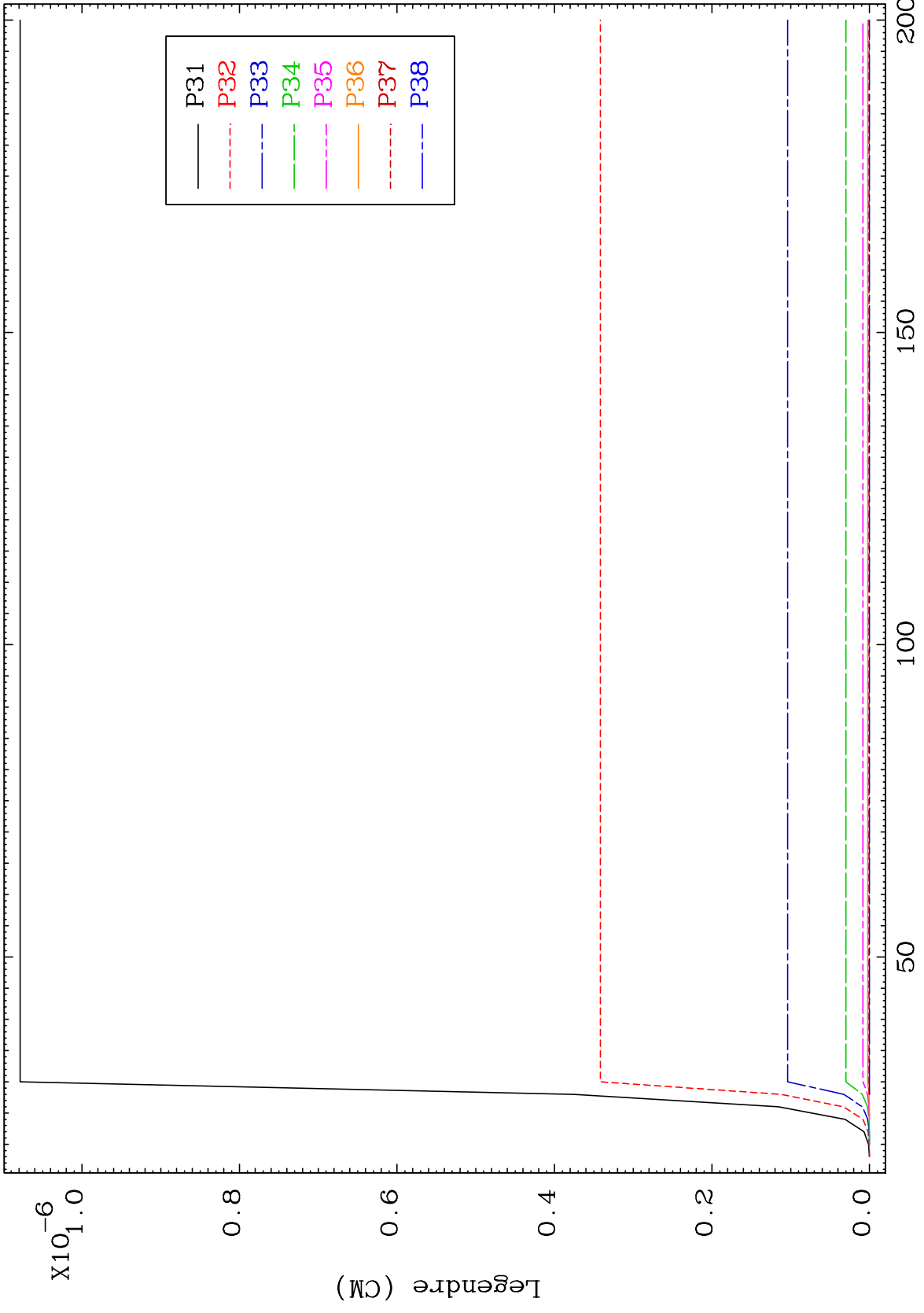


118

Incident Energy (MeV)

75-Re-190

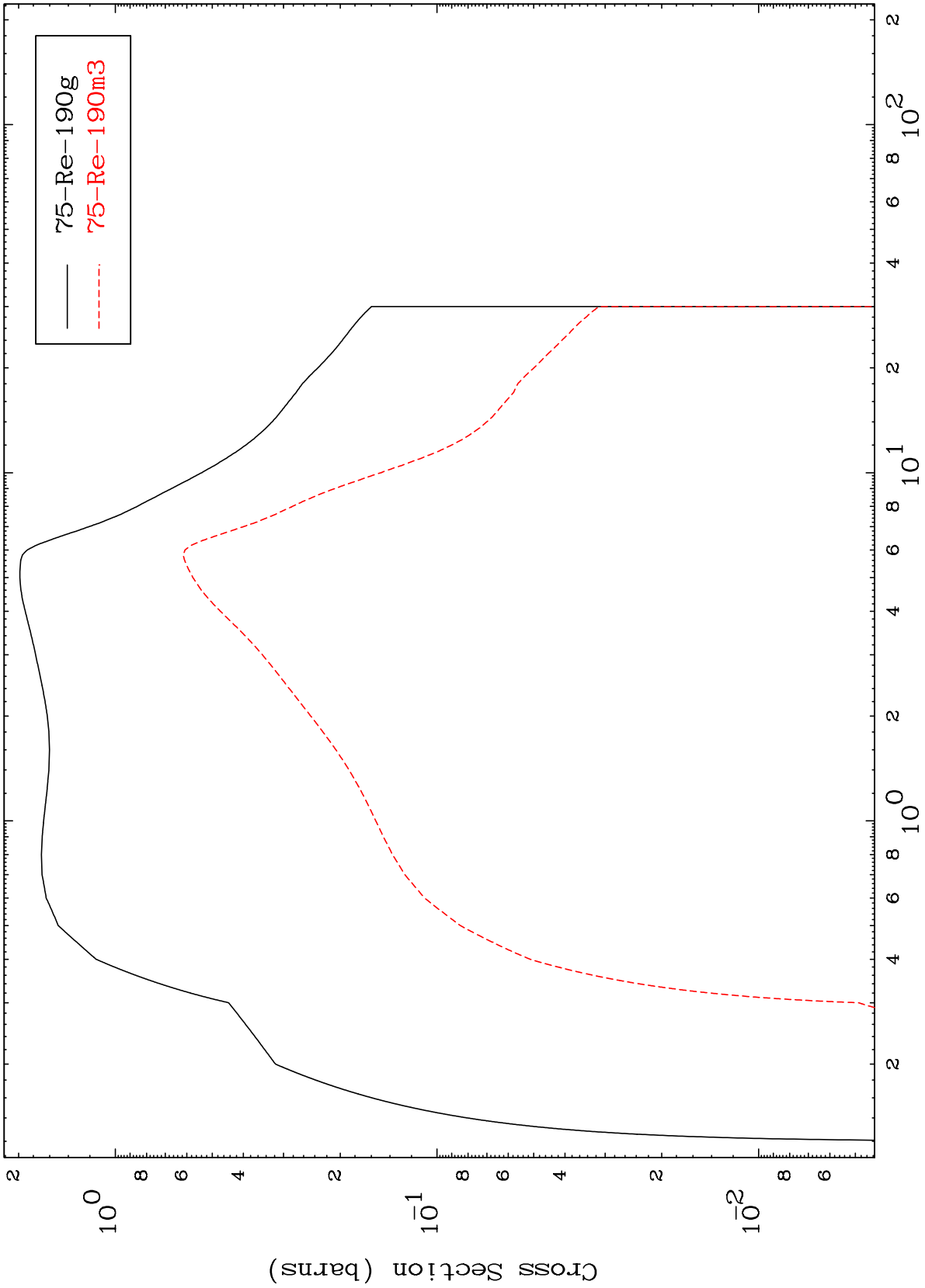
MAT 7540 MT= 78 (n,n') Level Legendre Coefficients 75-Re-190



MAT 7540

75-Re-190

Inelastic Radionuclide Production Cross Section



120

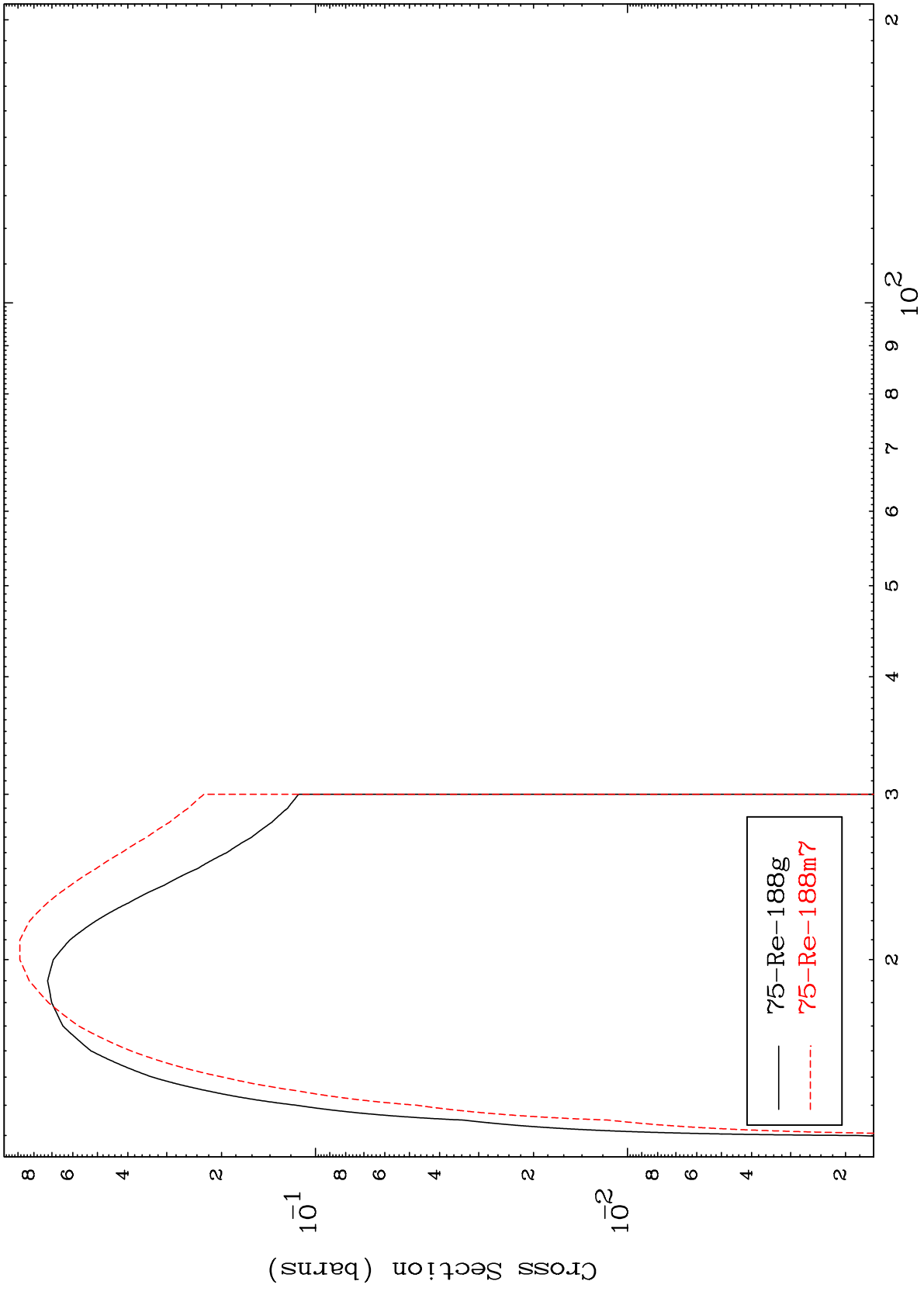
75-Re-190

MAT 7540

(n,3n)

75-Re-190

Radionuclide Production Cross Section



121

Incident Energy (MeV)

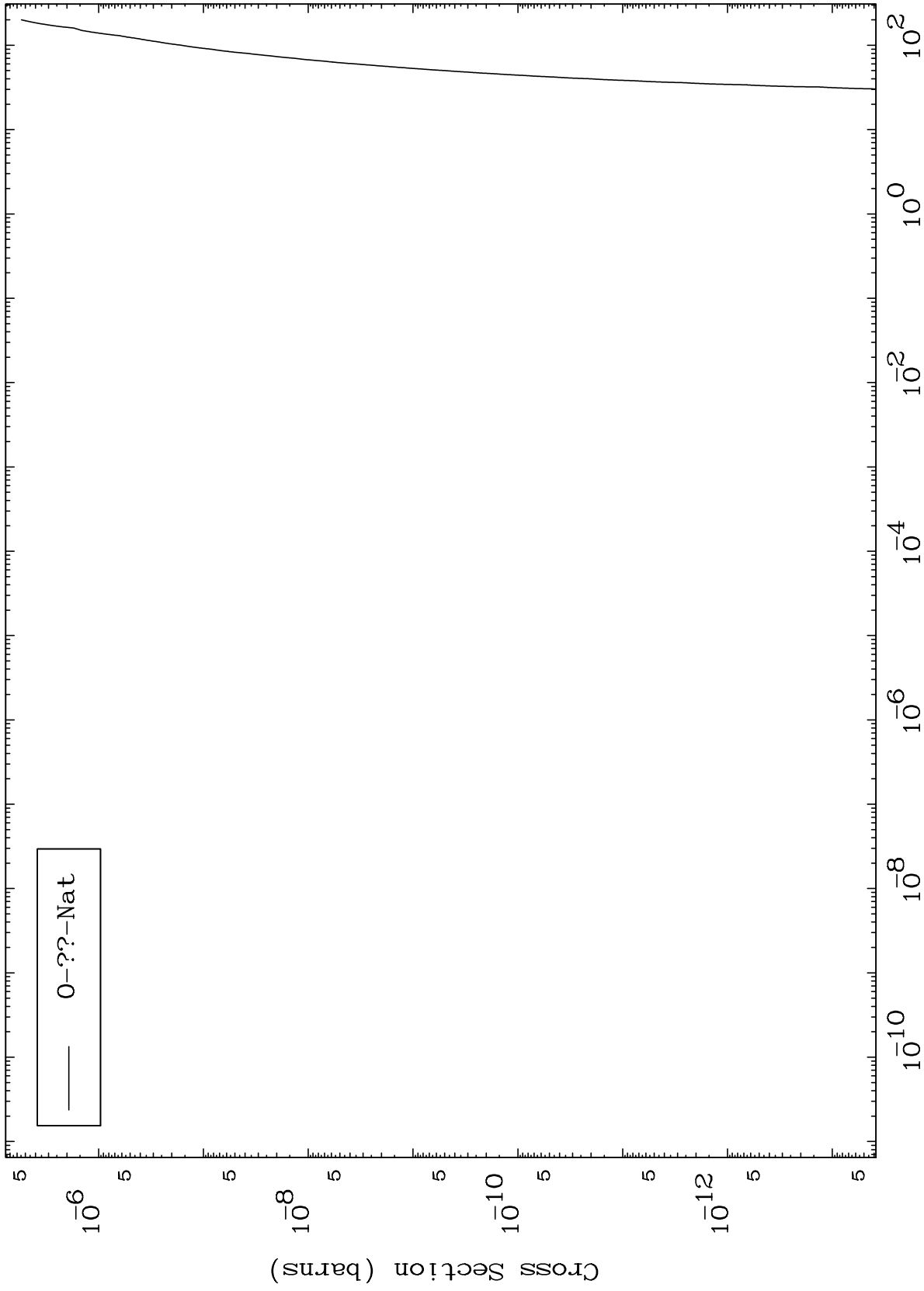
75-Re-190

MAT 7540

Fission

75-Re-190

Radionuclide Production Cross Section



122

75-Re-190