

Program EVALPLOT
(Version 2018-1)

by

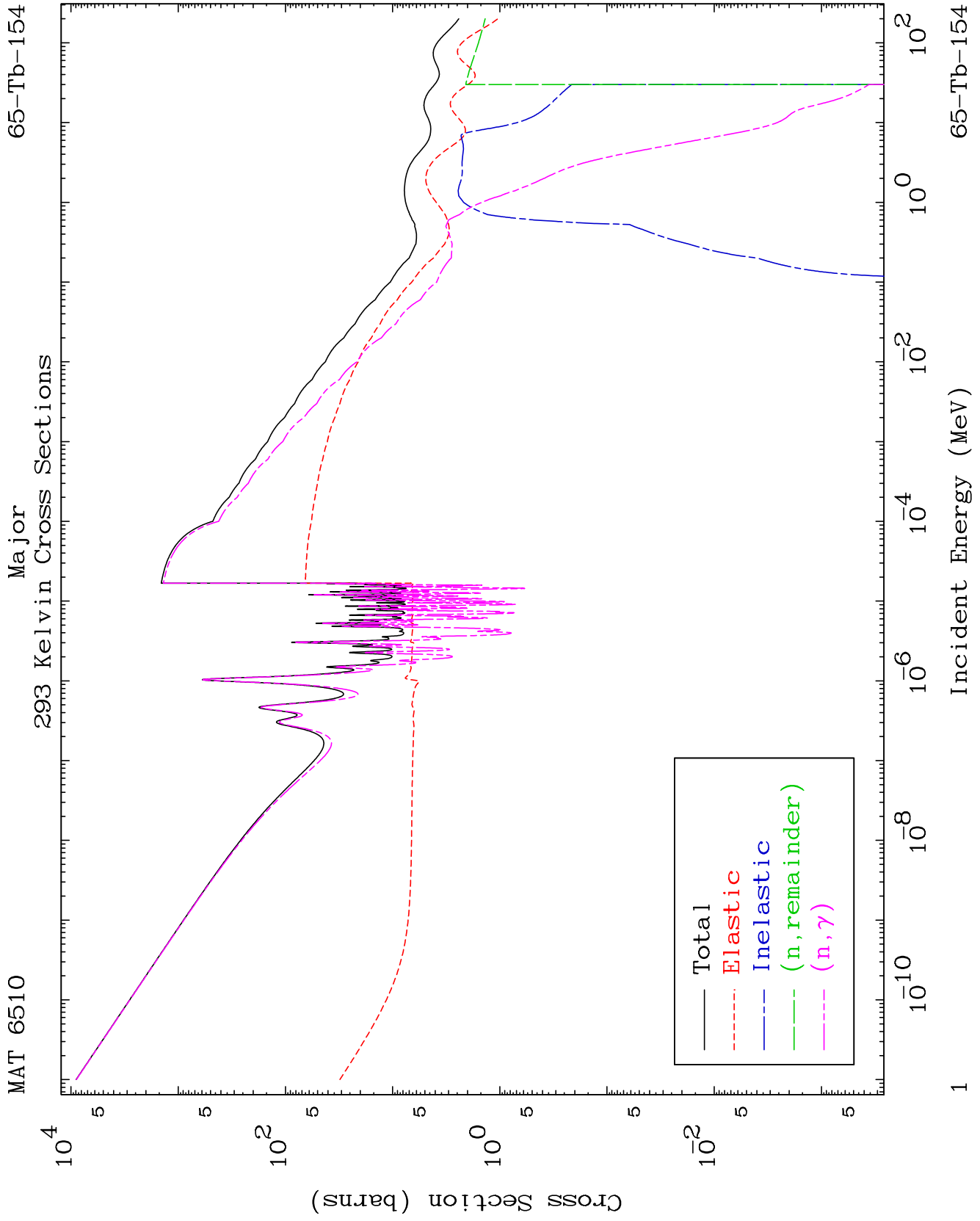
Dermott E. Cullen
(Present Contact Information)

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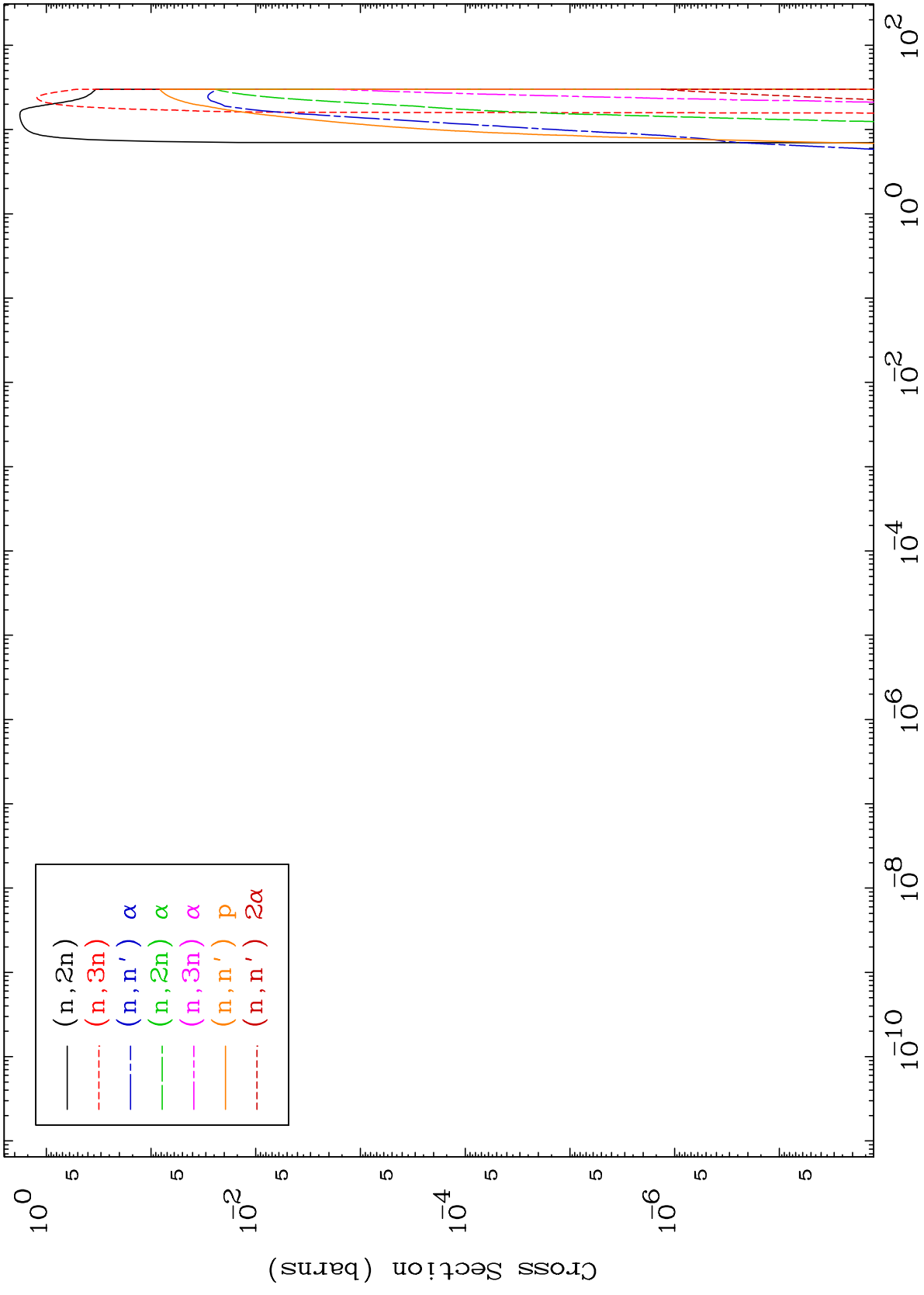
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MAT 6510

Neutron Production
293 Kelvin Cross Sections

65-Tb-154

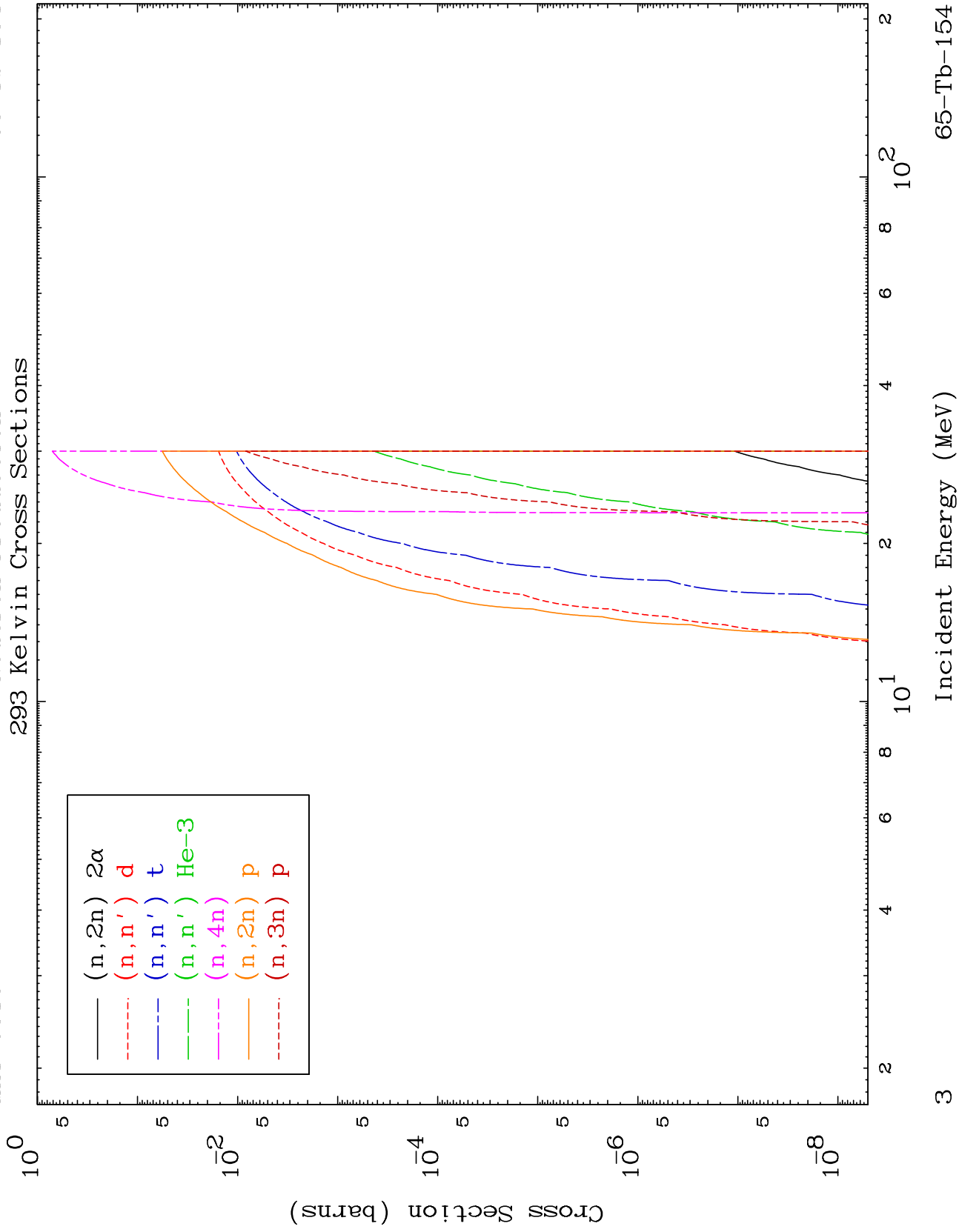


65-Tb-154

MAT 6510

Neutron Production
293 Kelvin Cross Sections

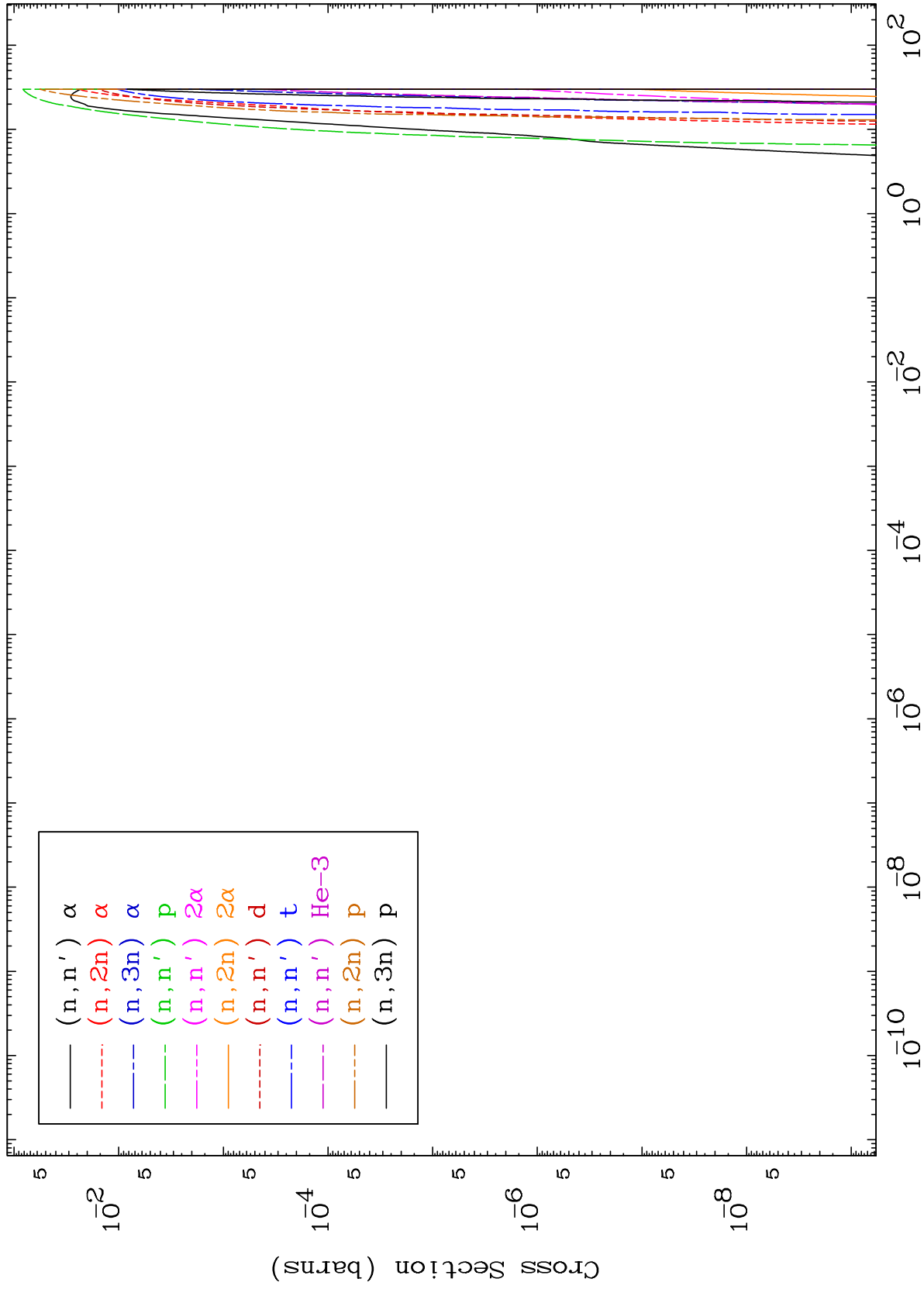
65-Tb-154



MAT 6510

Charged Particle
293 Kelvin Cross Sections

65-Tb-154

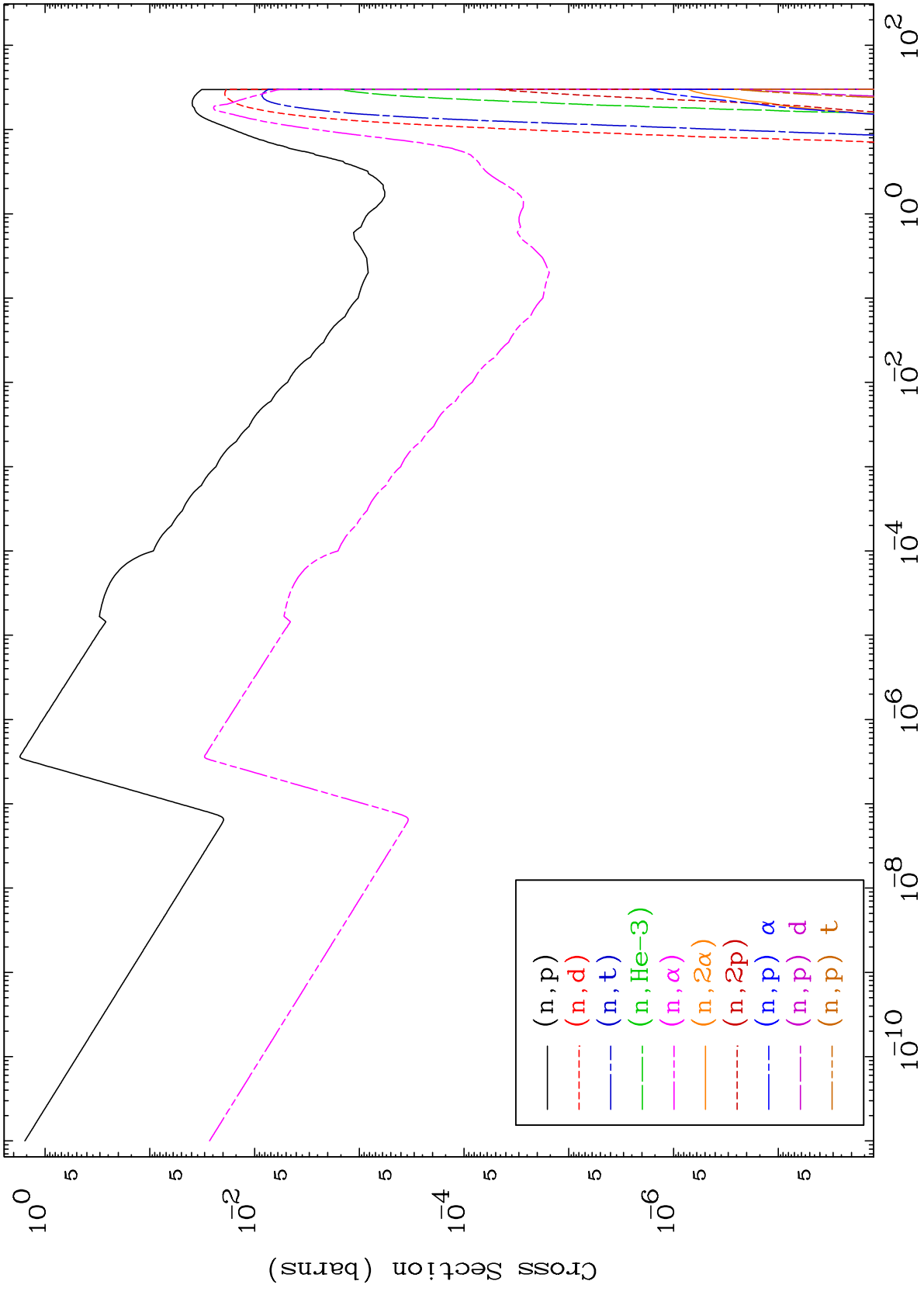


65-Tb-154

MAT 6510

Charged Particle
293 Kelvin Cross Sections

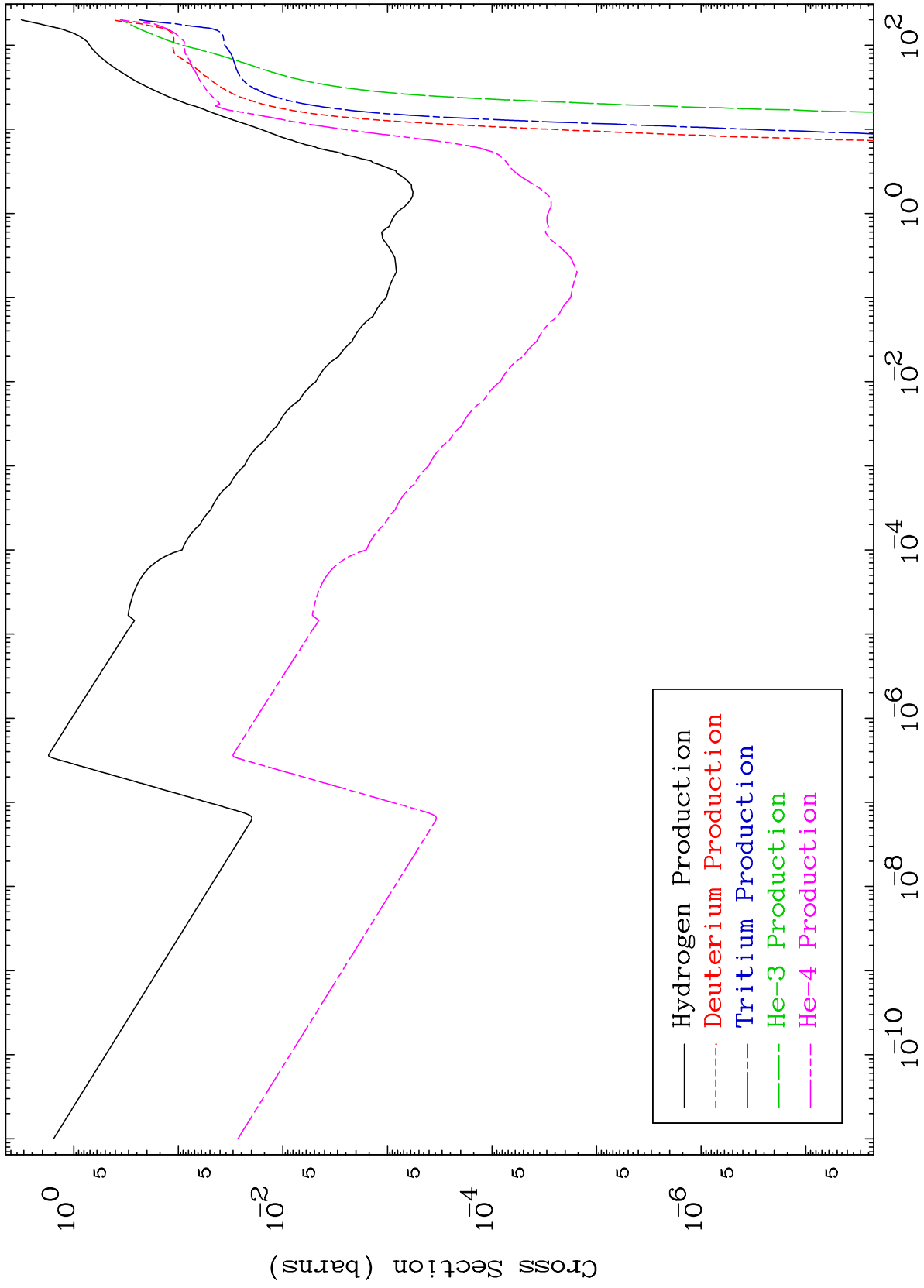
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MAT 6510

Particle Production
293 Kelvin Cross Sections

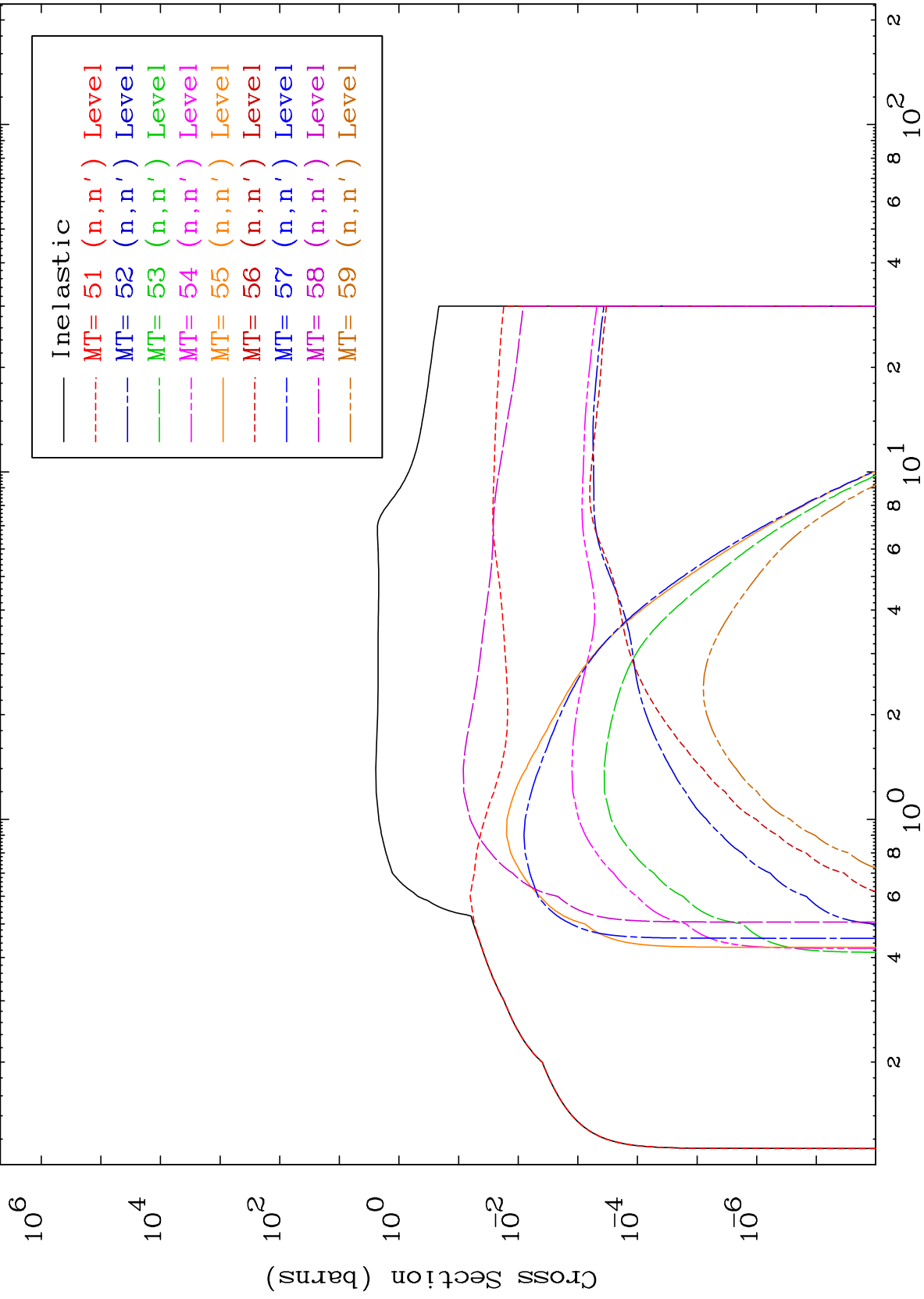
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MAT 6510

(n,n') Level
293 Kelvin Cross Sections

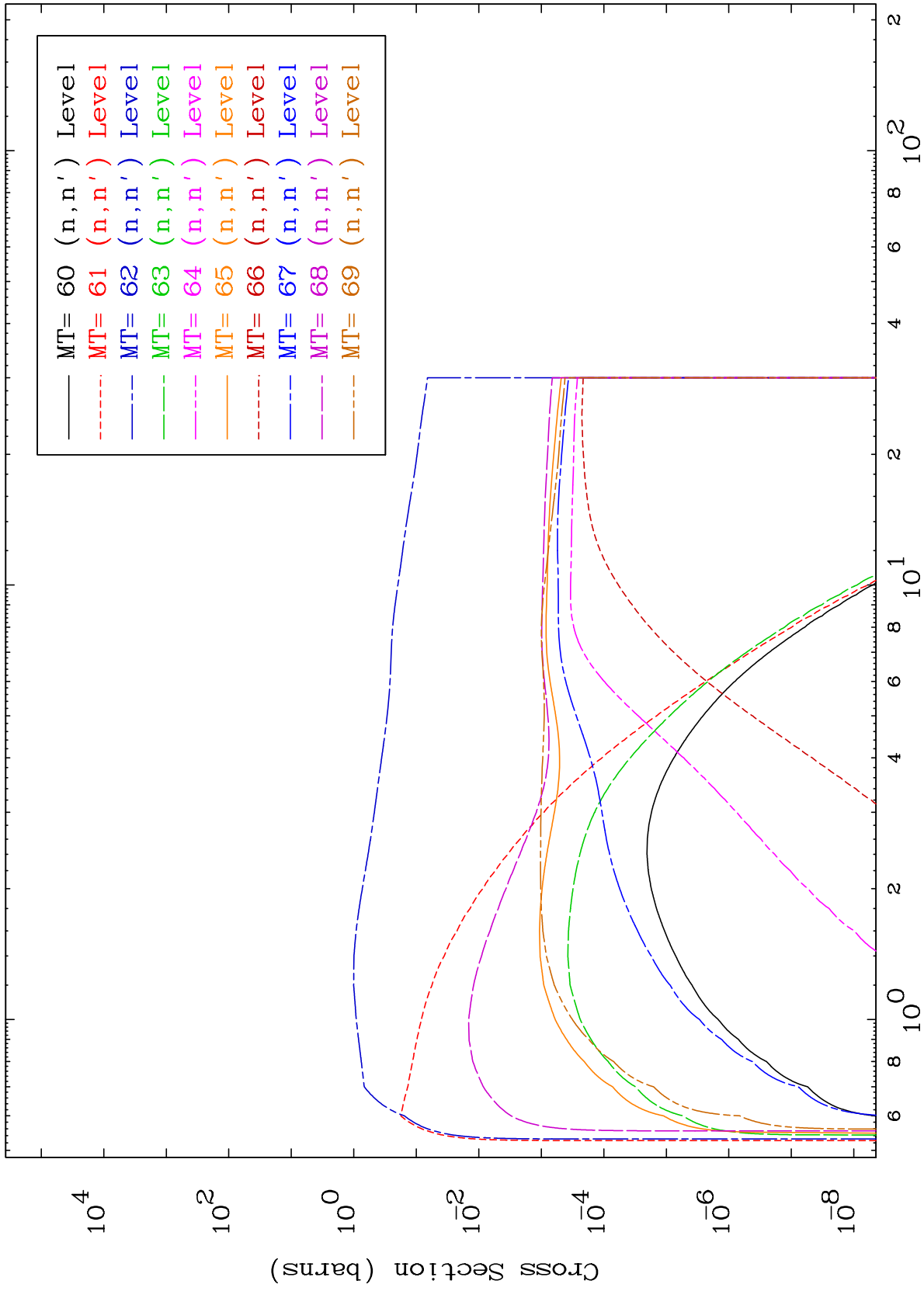
65-Tb-154



MAT 6510

(n,n') Level
293 Kelvin Cross Sections

65-Tb-154



8

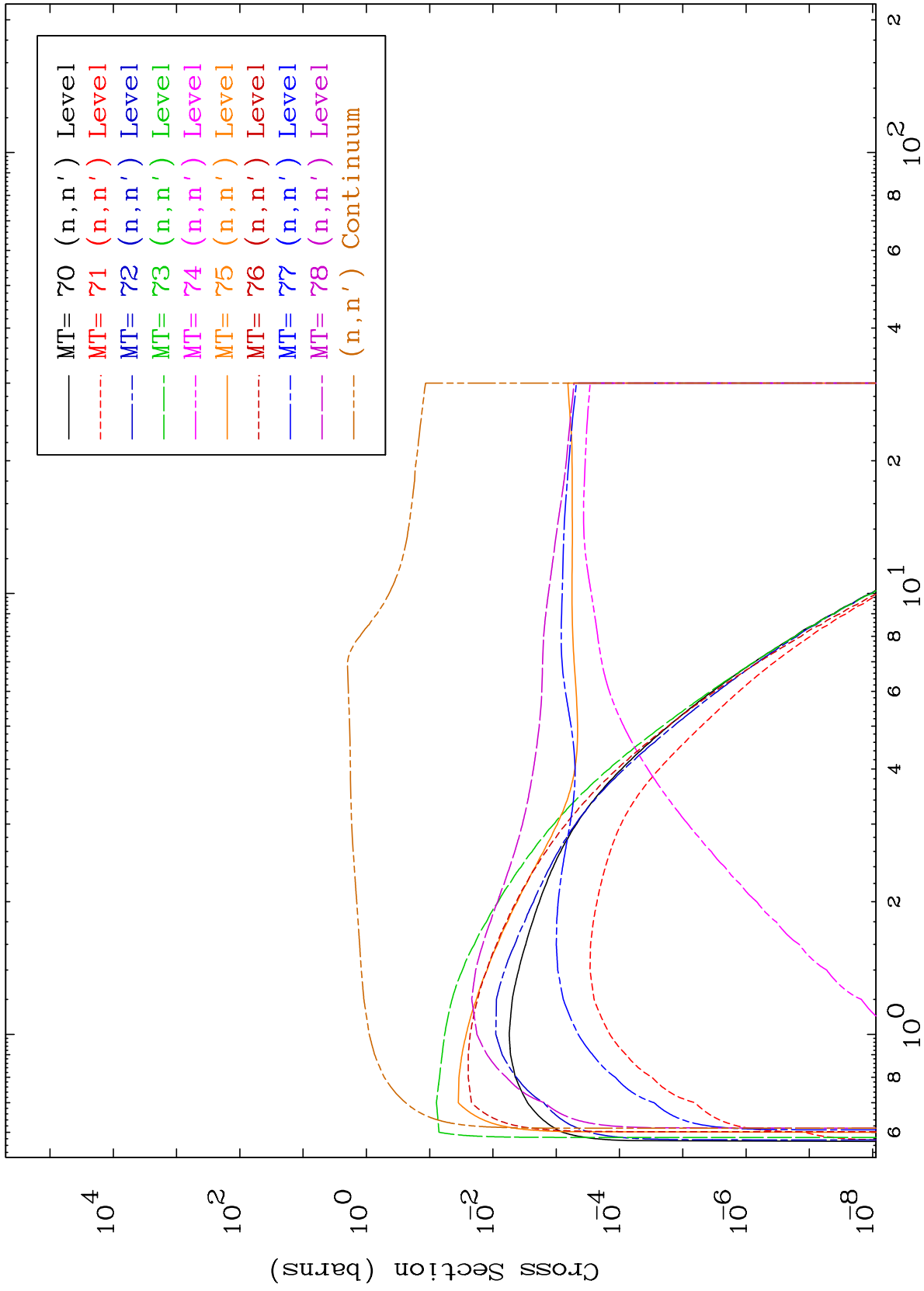
Incident Energy (MeV)

65-Tb-154

MAT 6510

(n,n') Level
293 Kelvin Cross Sections

65-Tb-154



9

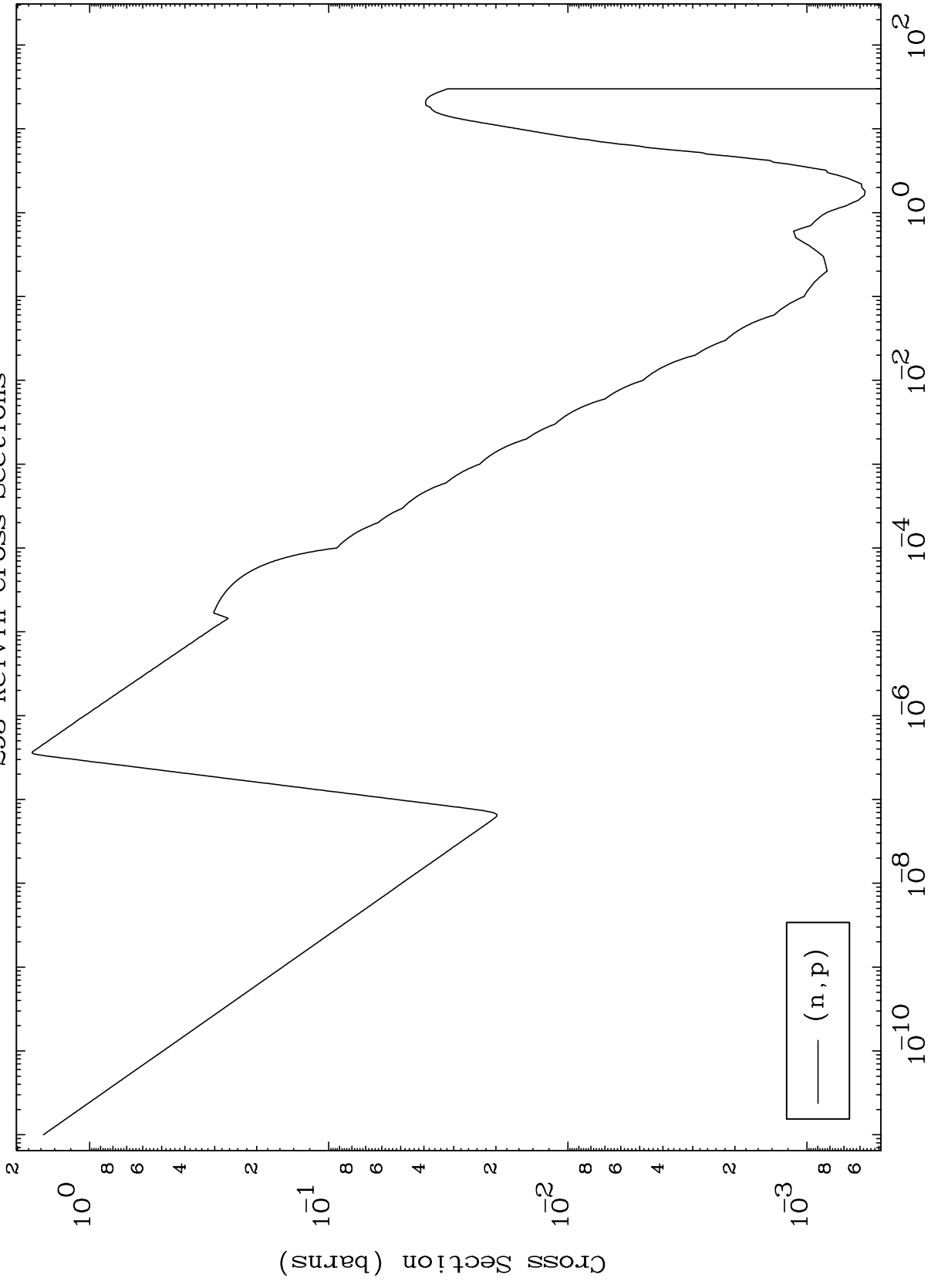
Incident Energy (MeV)

65-Tb-154

MAT 6510

(n,p) Levels
293 Kelvin Cross Sections

65-Tb-154



10

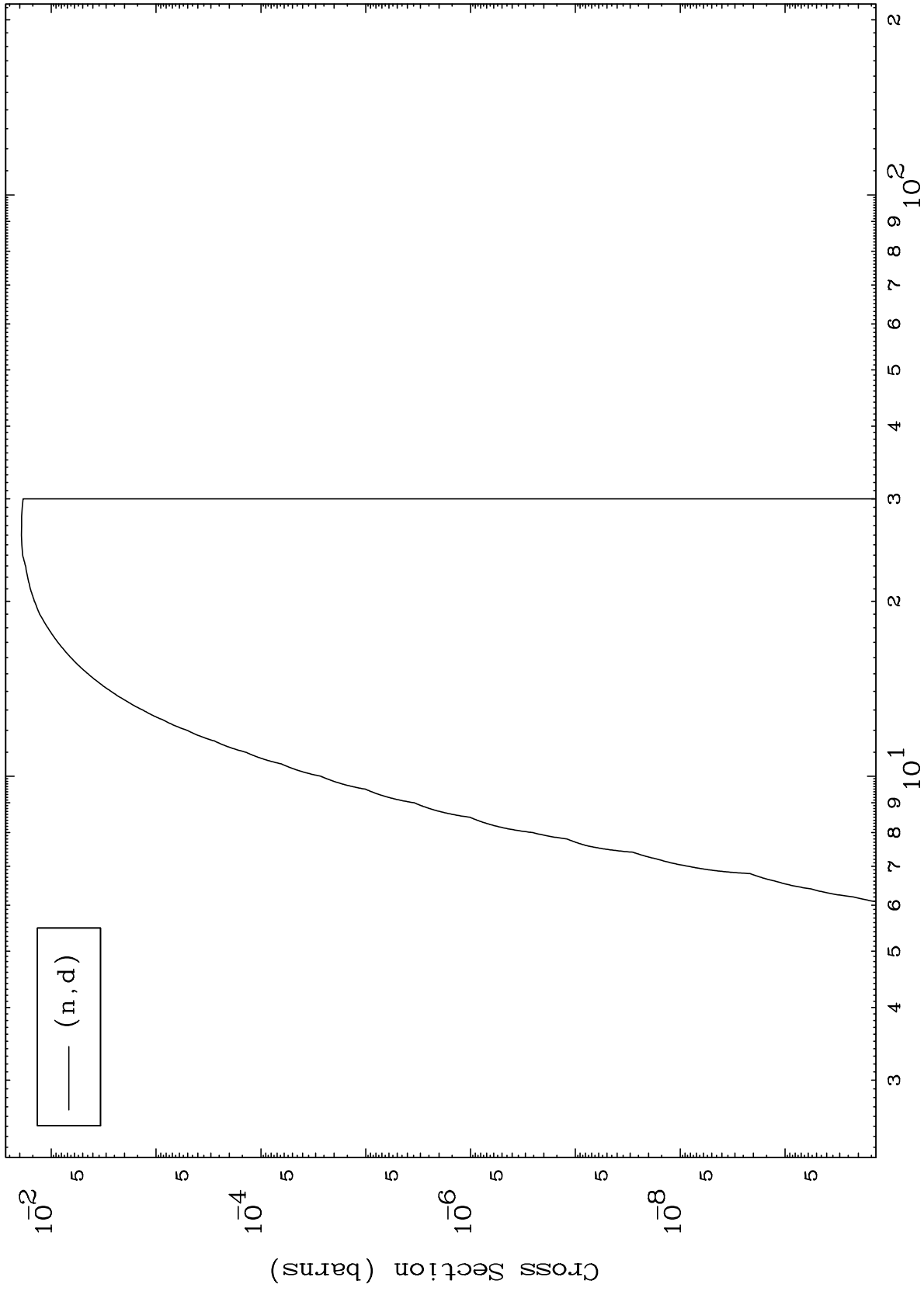
Incident Energy (MeV)

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MAT 6510

(n,d) Levels
293 Kelvin Cross Sections

65-Tb-154

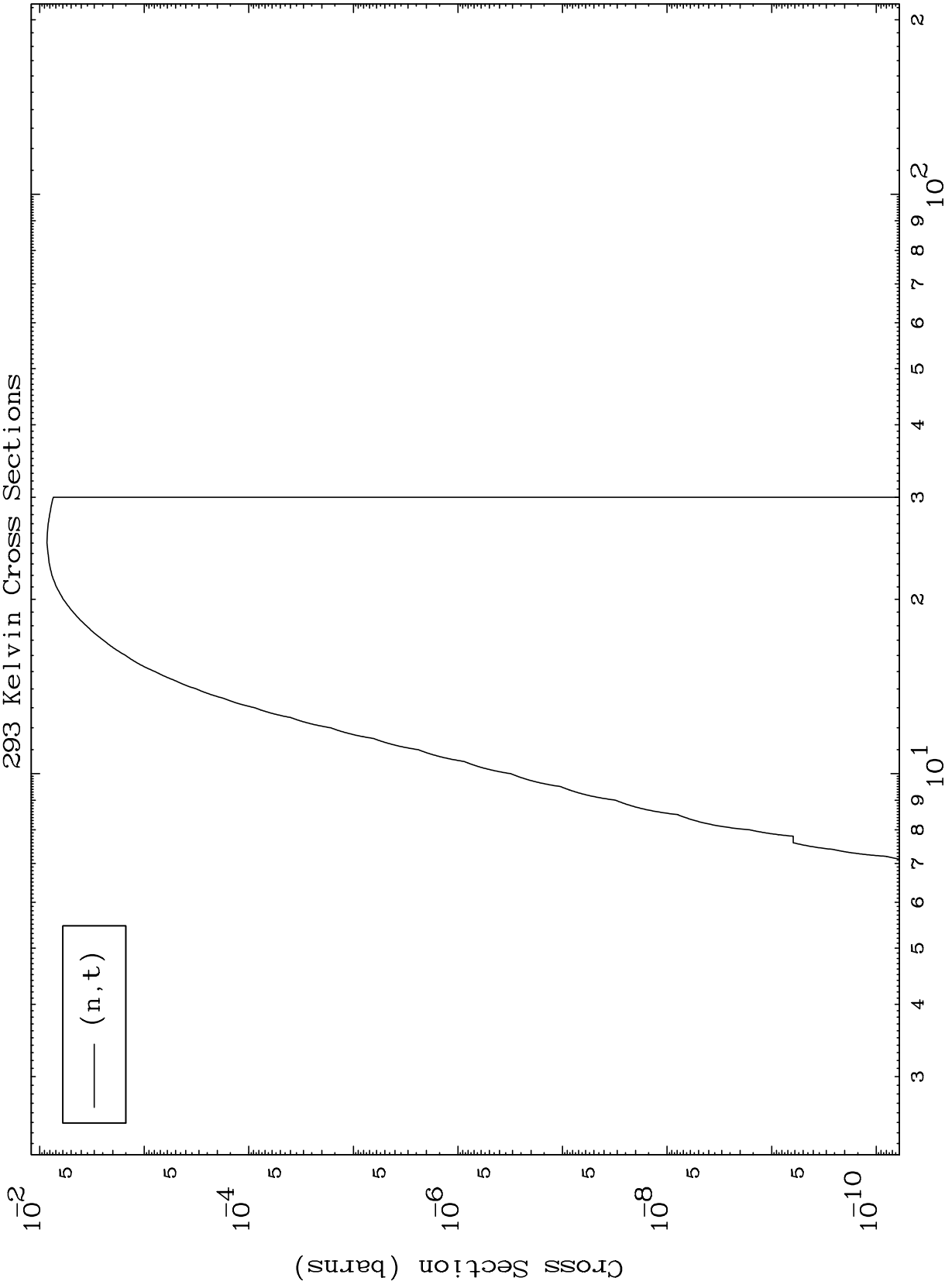


(n,d)

MAT 6510

(n,t) Levels
293 Kelvin Cross Sections

65-Tb-154



12

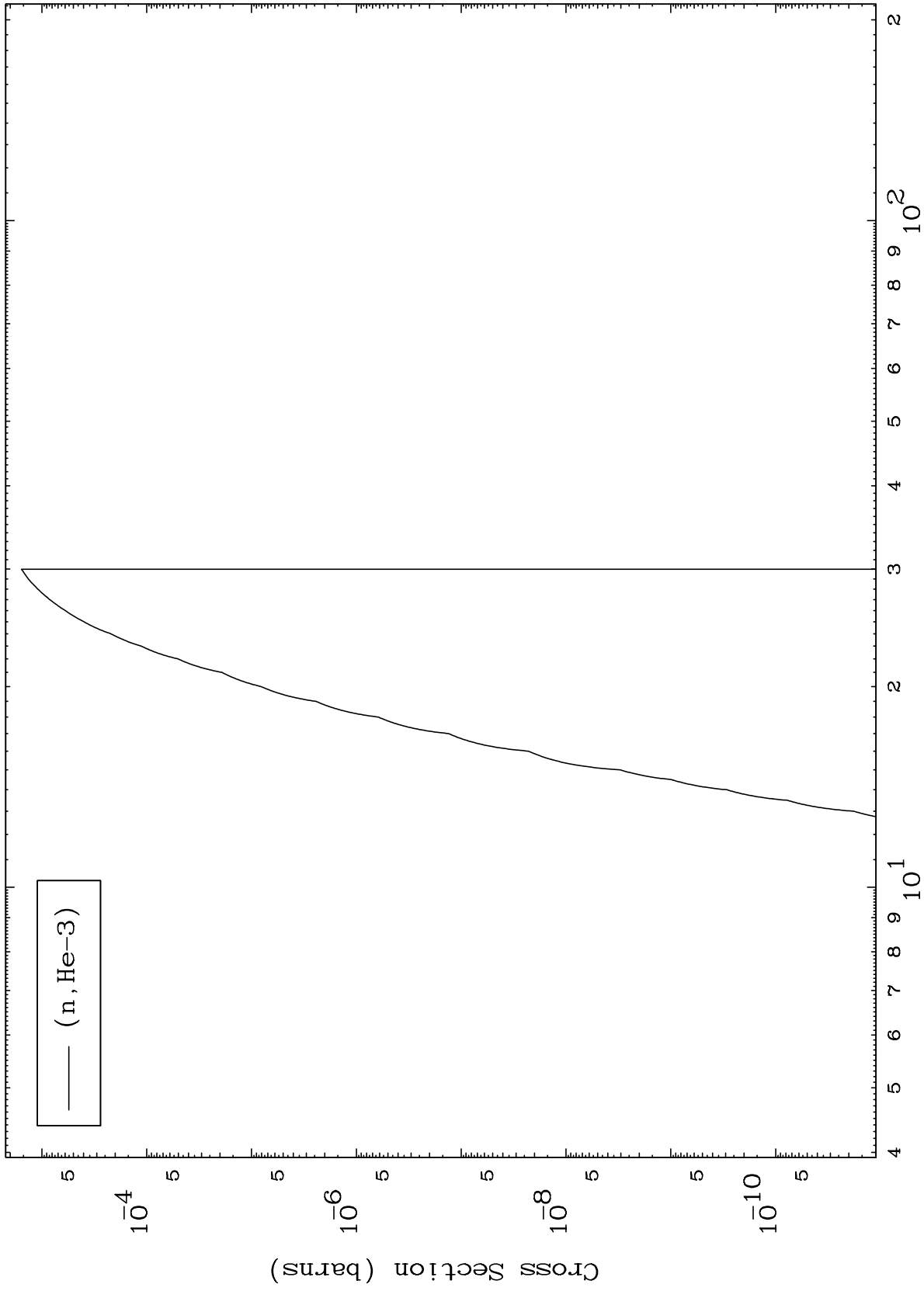
Incident Energy (MeV)

65-Tb-154

MAT 6510

(n,He3) Levels
293 Kelvin Cross Sections

65-Tb-154



13

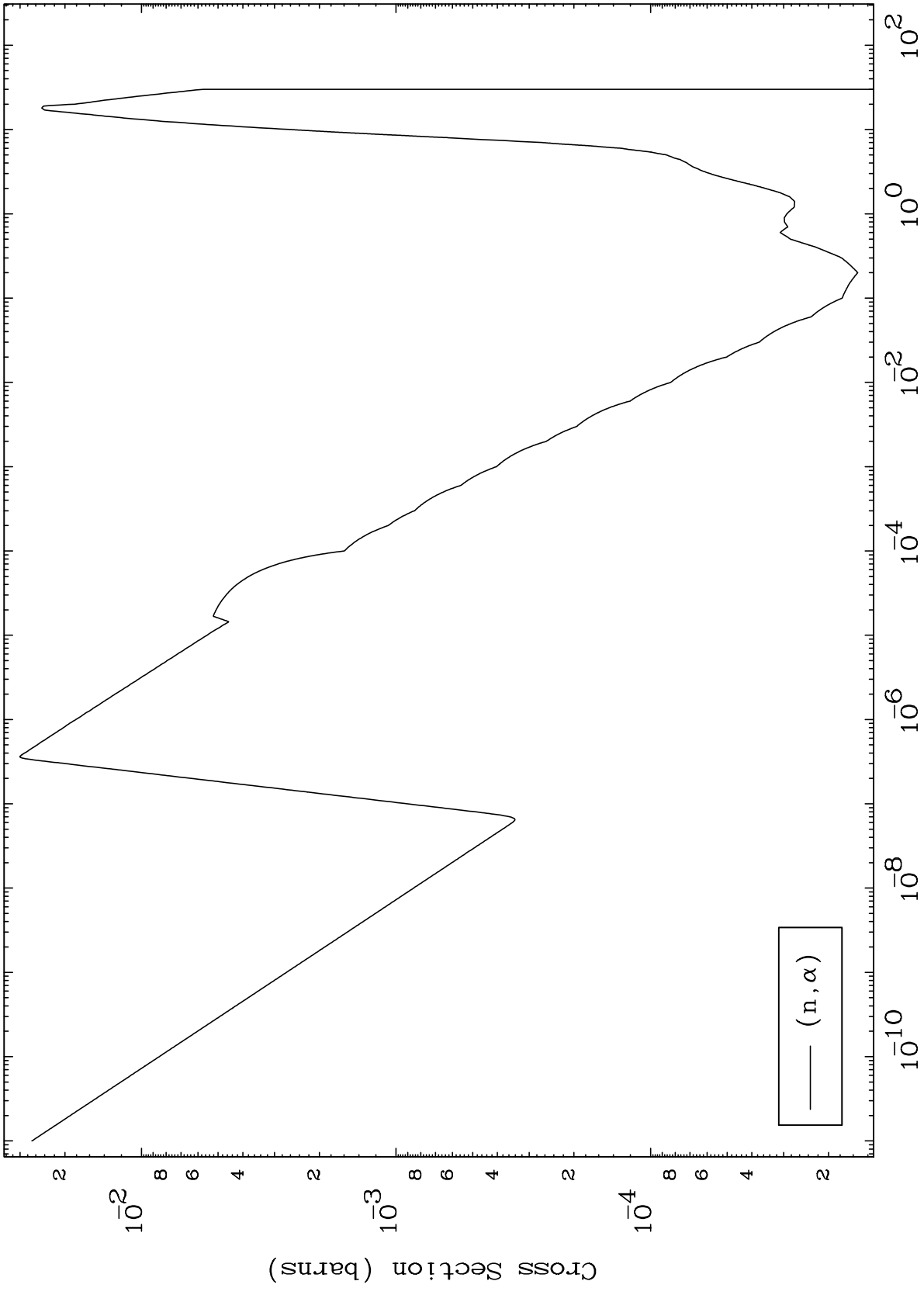
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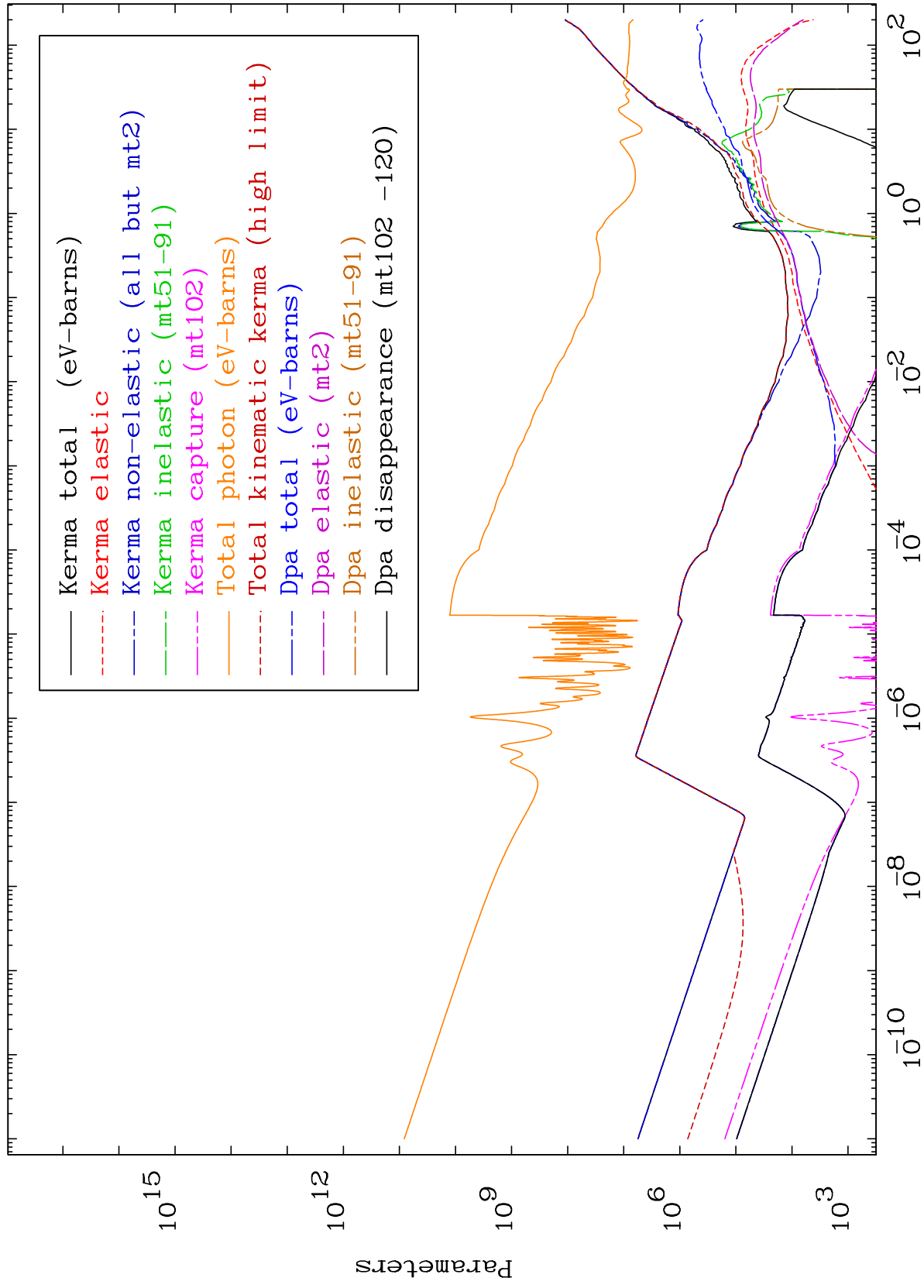
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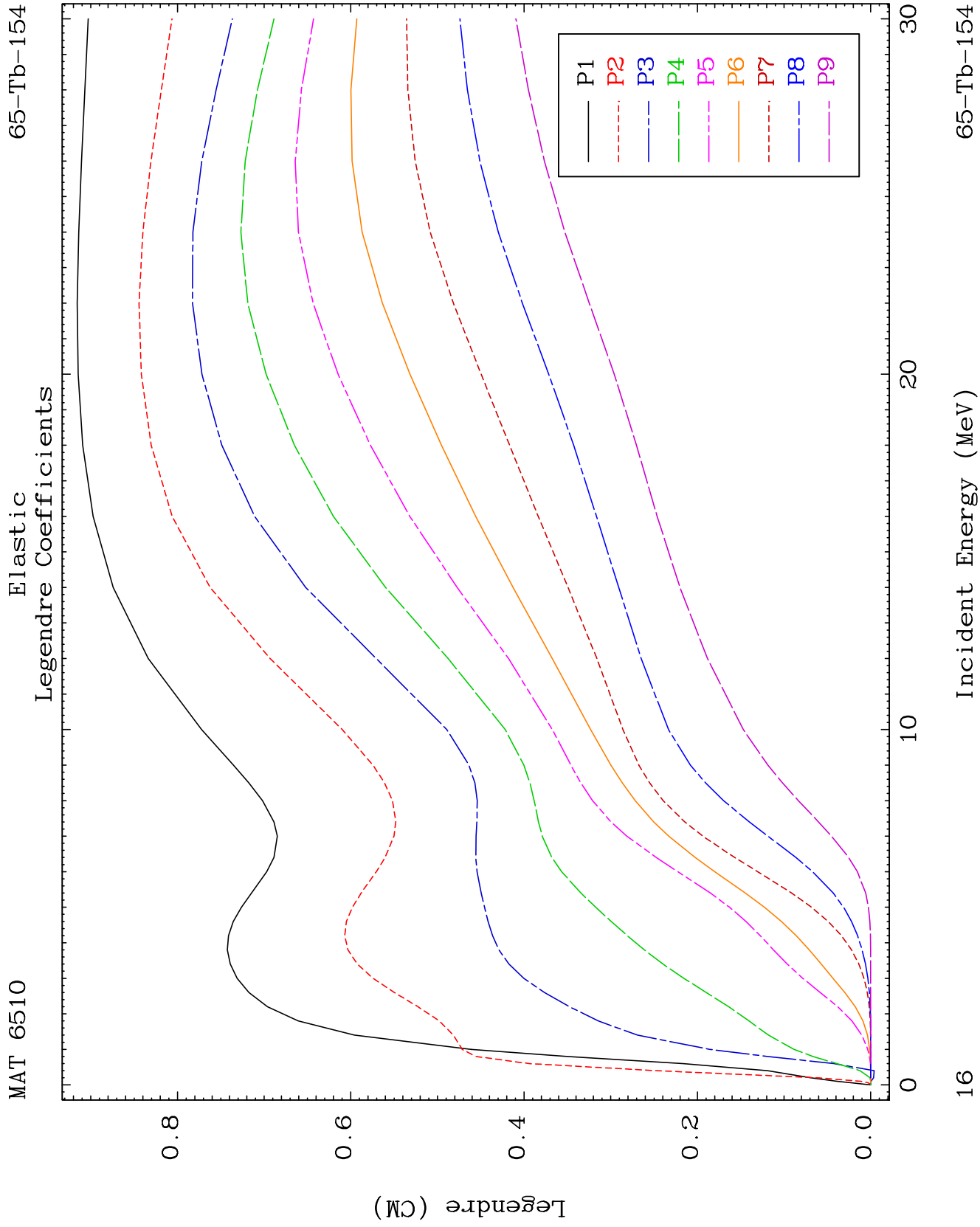
MAT 6510

(n, α) Levels
293 Kelvin Cross Sections

65-Tb-154



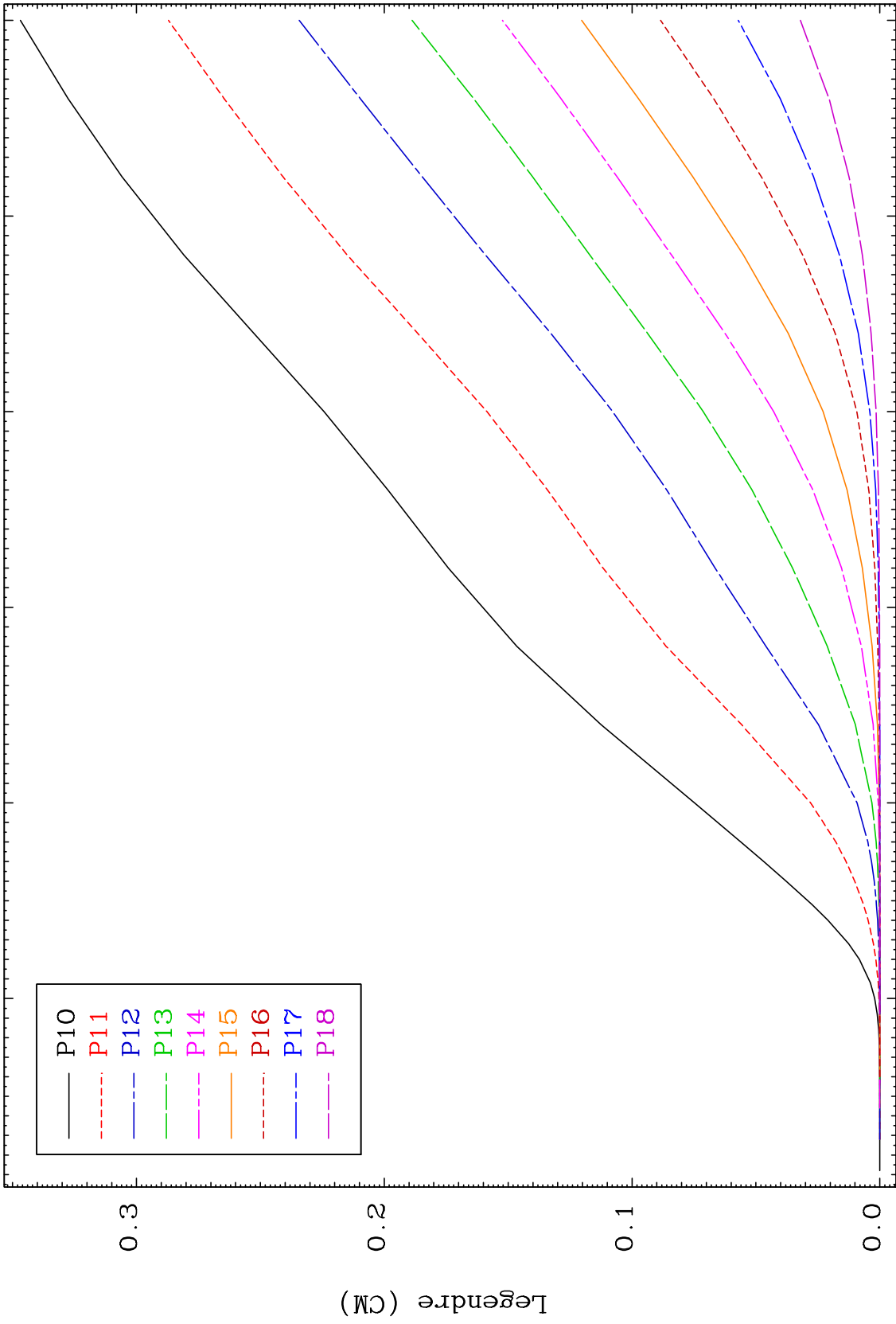




MAT 6510

Elastic Legendre Coefficients

65-Tb-154



17

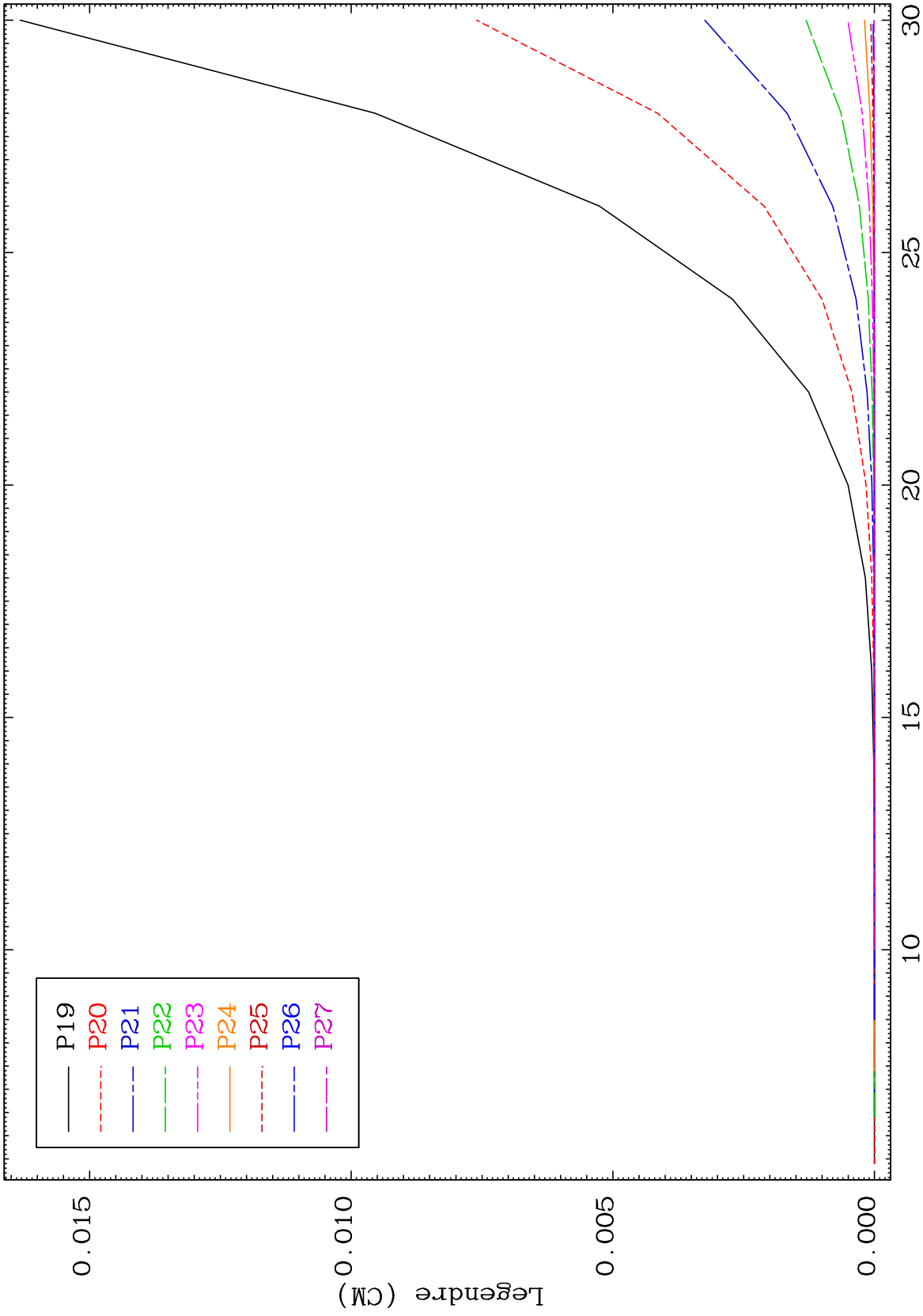
Incident Energy (MeV)

65-Tb-154

MAT 6510

Elastic Legendre Coefficients

65-Tb-154



18

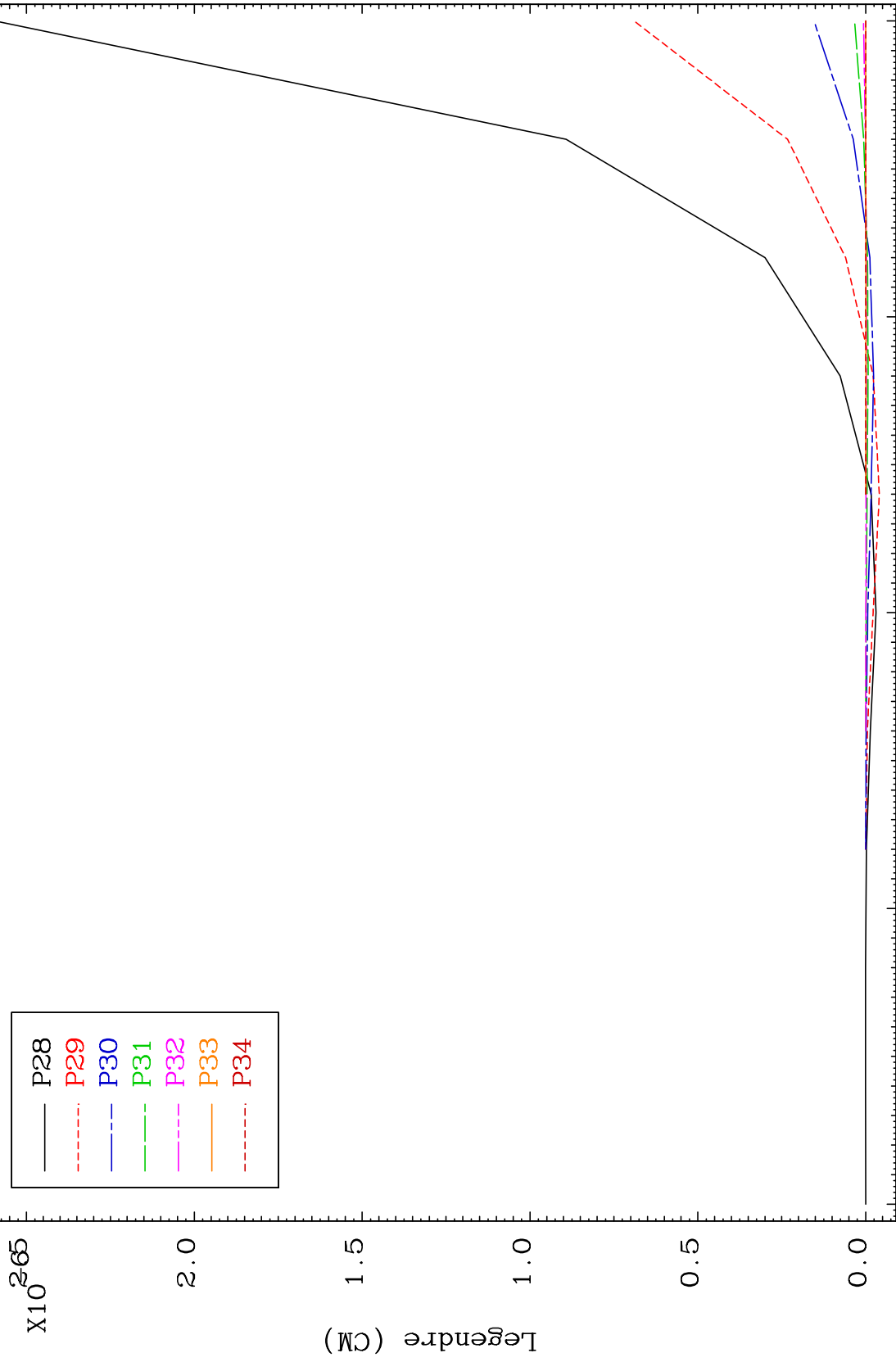
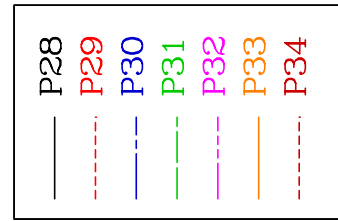
Incident Energy (MeV)

65-Tb-154

MAT 6510

Elastic Legendre Coefficients

65-Tb-154

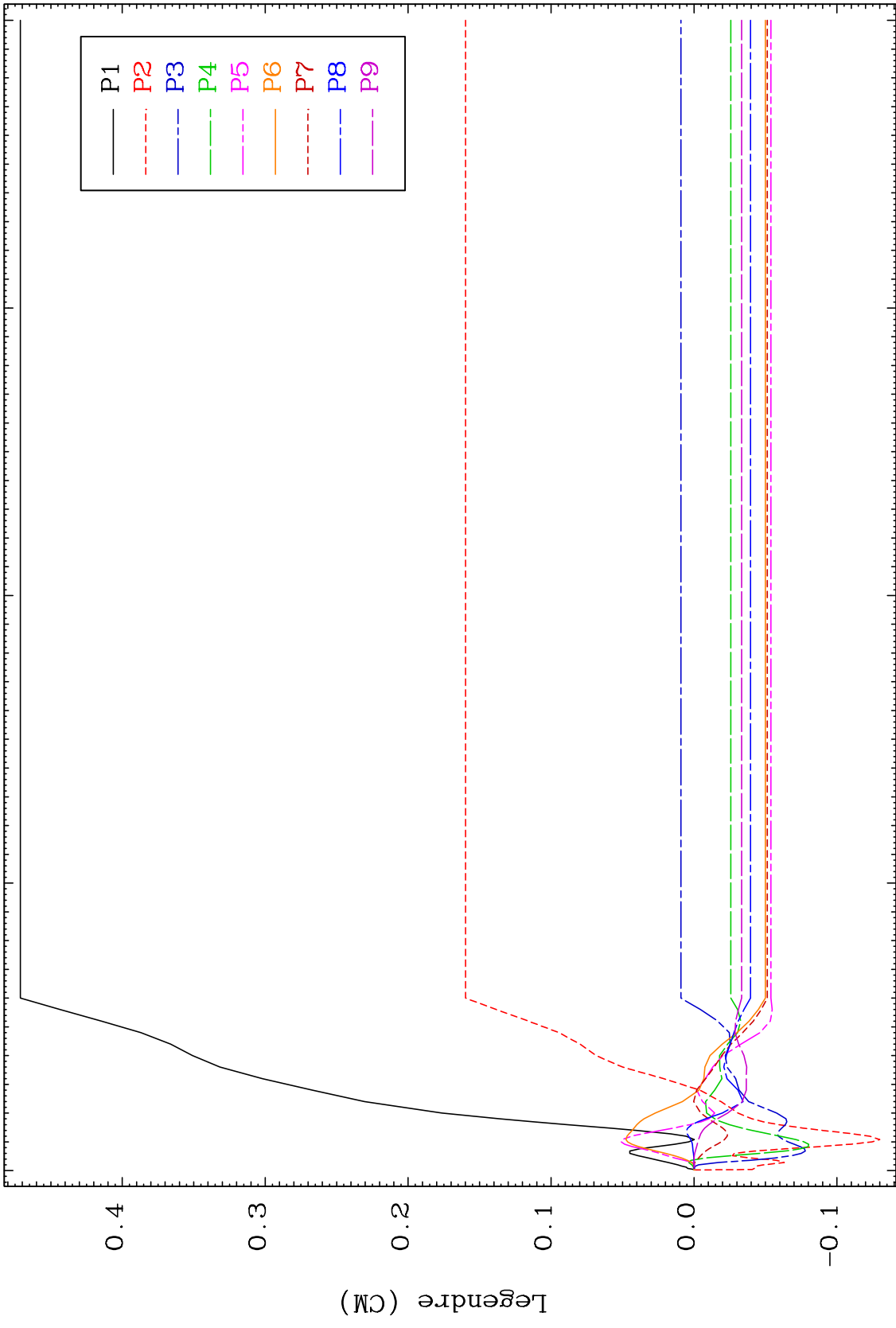


19

Incident Energy (MeV)

65-Tb-154

MAT 6510 MT= 51 (n,n') Level Legendre Coefficients 65-Tb-154

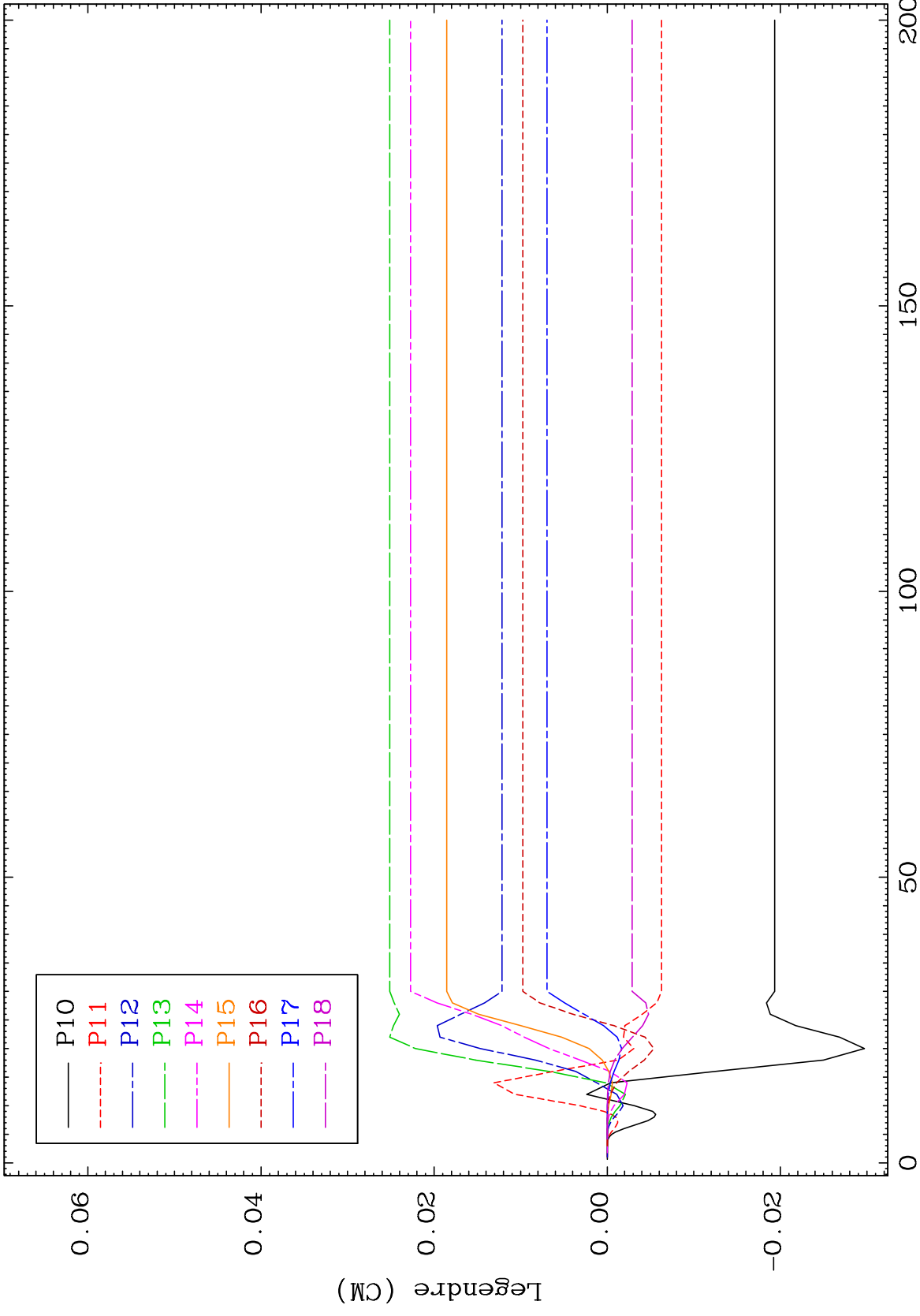


65-Tb-154

MAT 6510

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

65-Tb-154



21

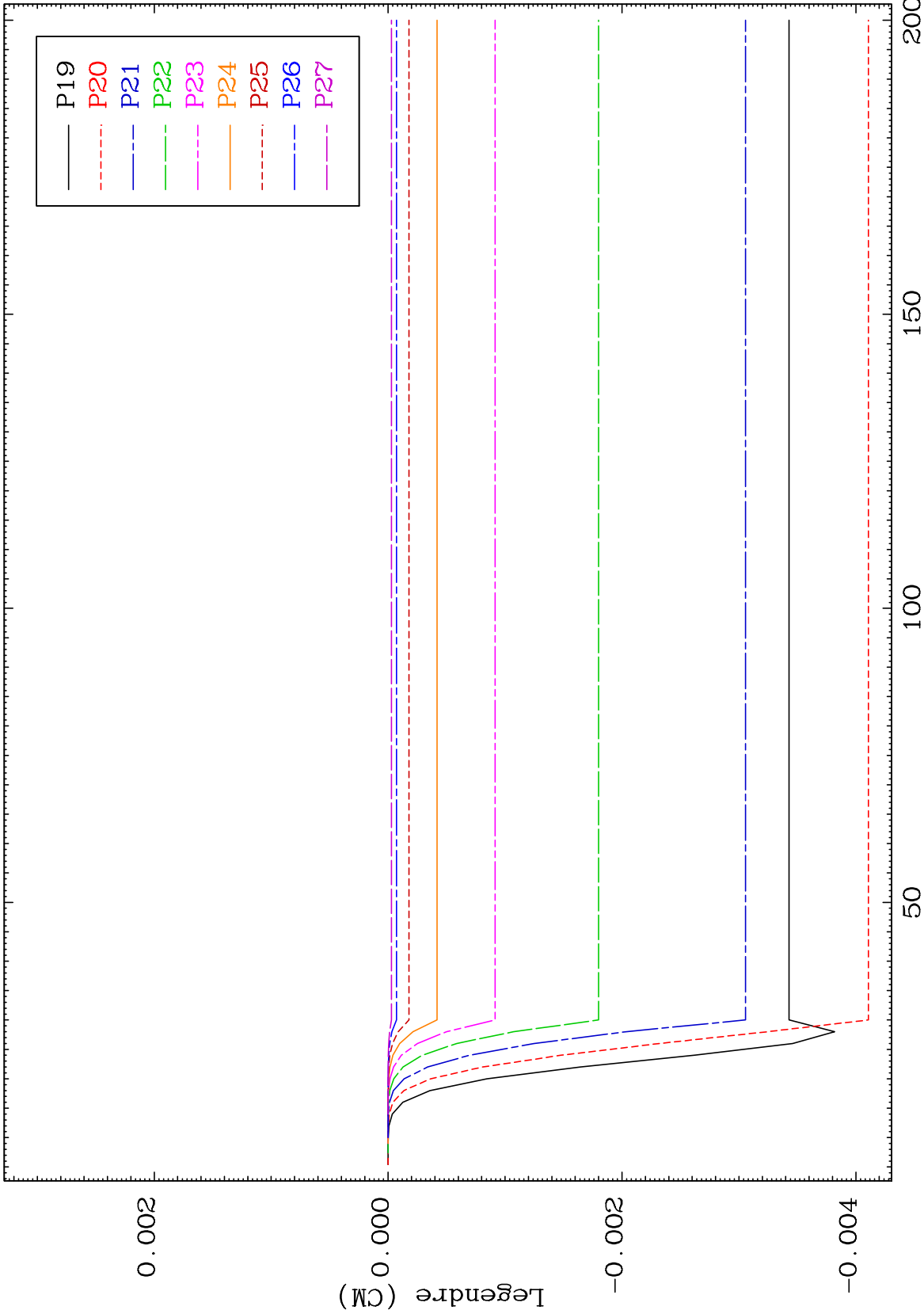
Incident Energy (MeV)

65-Tb-154

MAT 6510

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

65-Tb-154



22

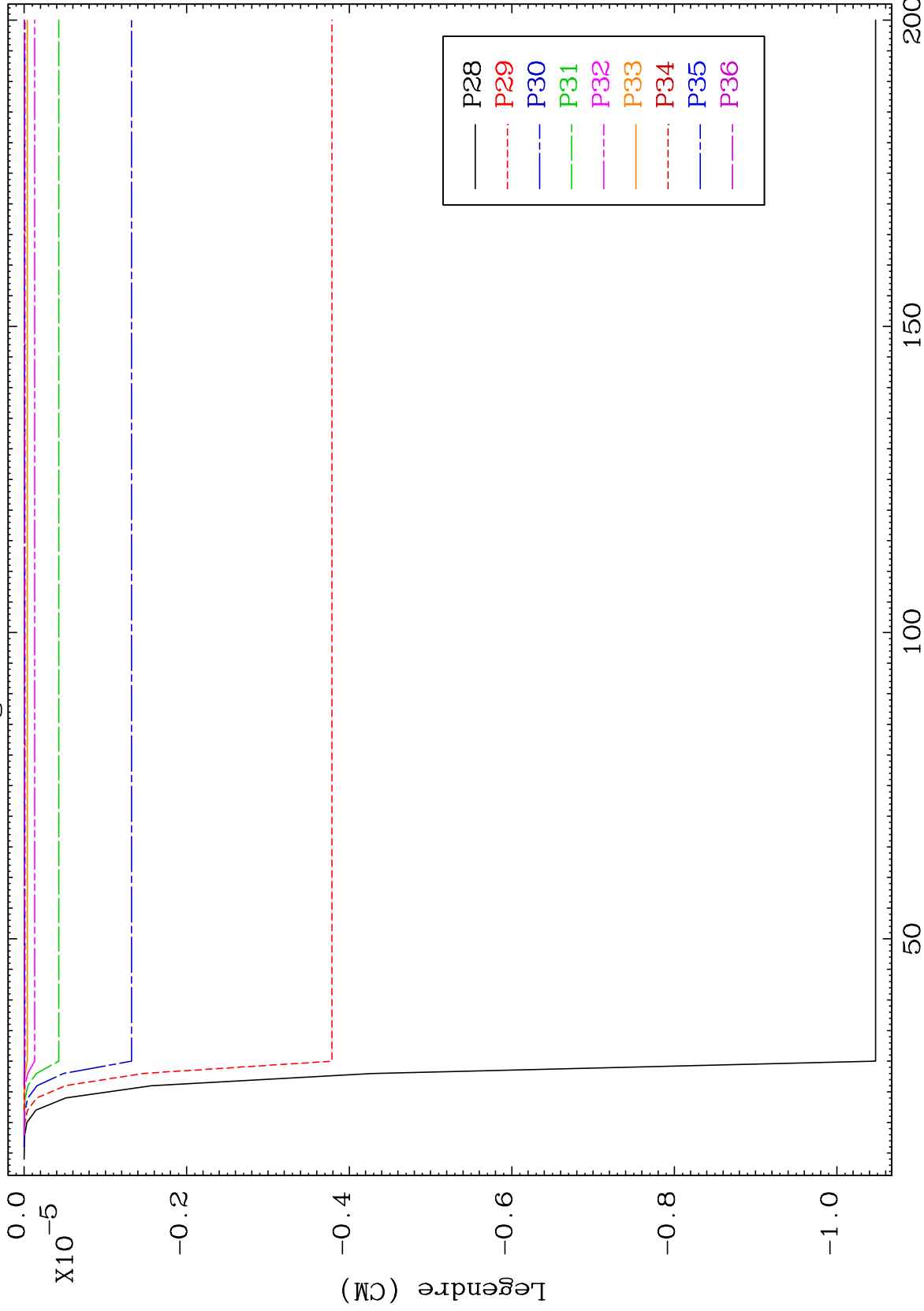
Incident Energy (MeV)

65-Tb-154

MAT 6510

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

65-Tb-154



65-Tb-154

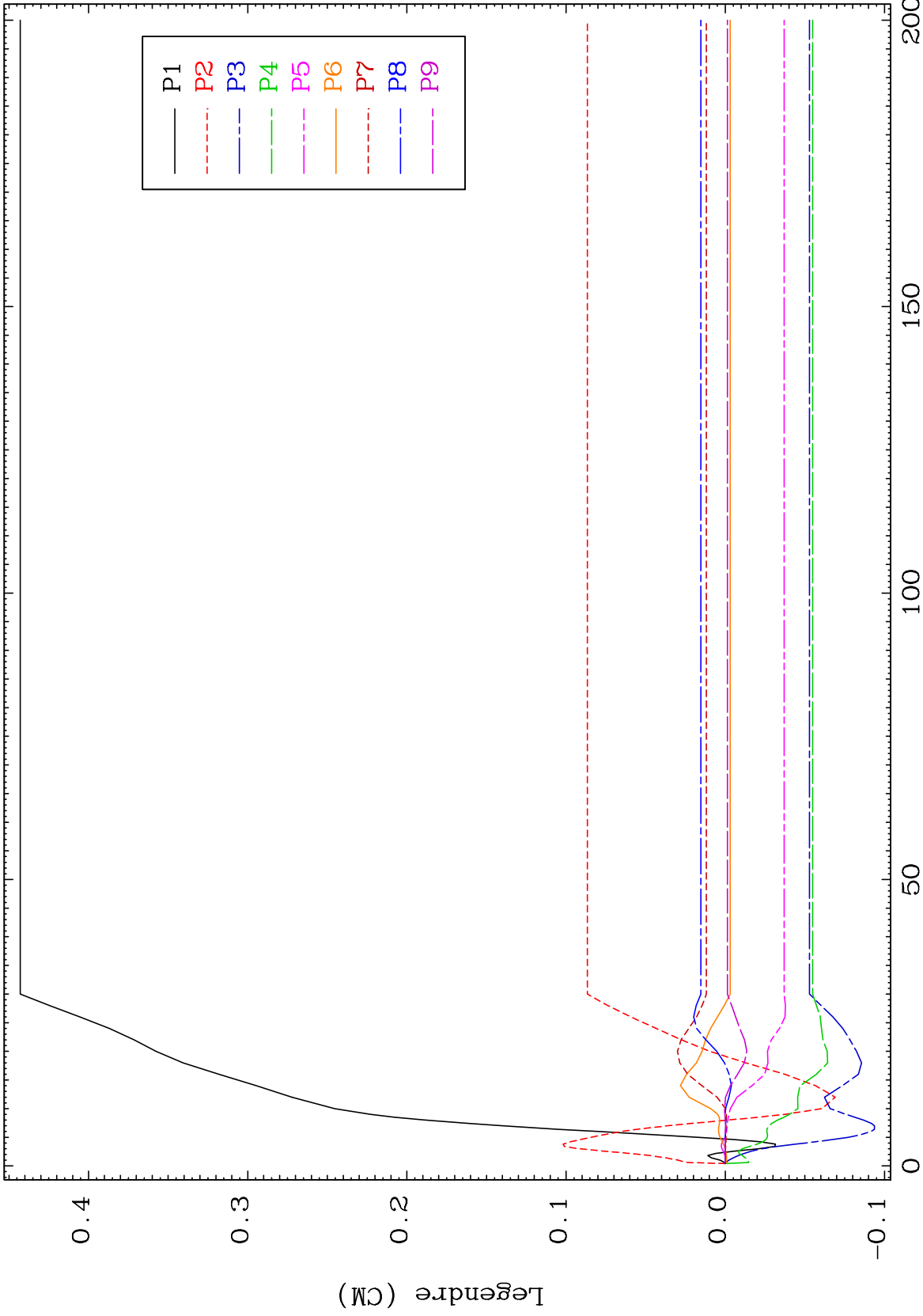
Incident Energy (MeV)

23

MAT 6510

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

65-Tb-154

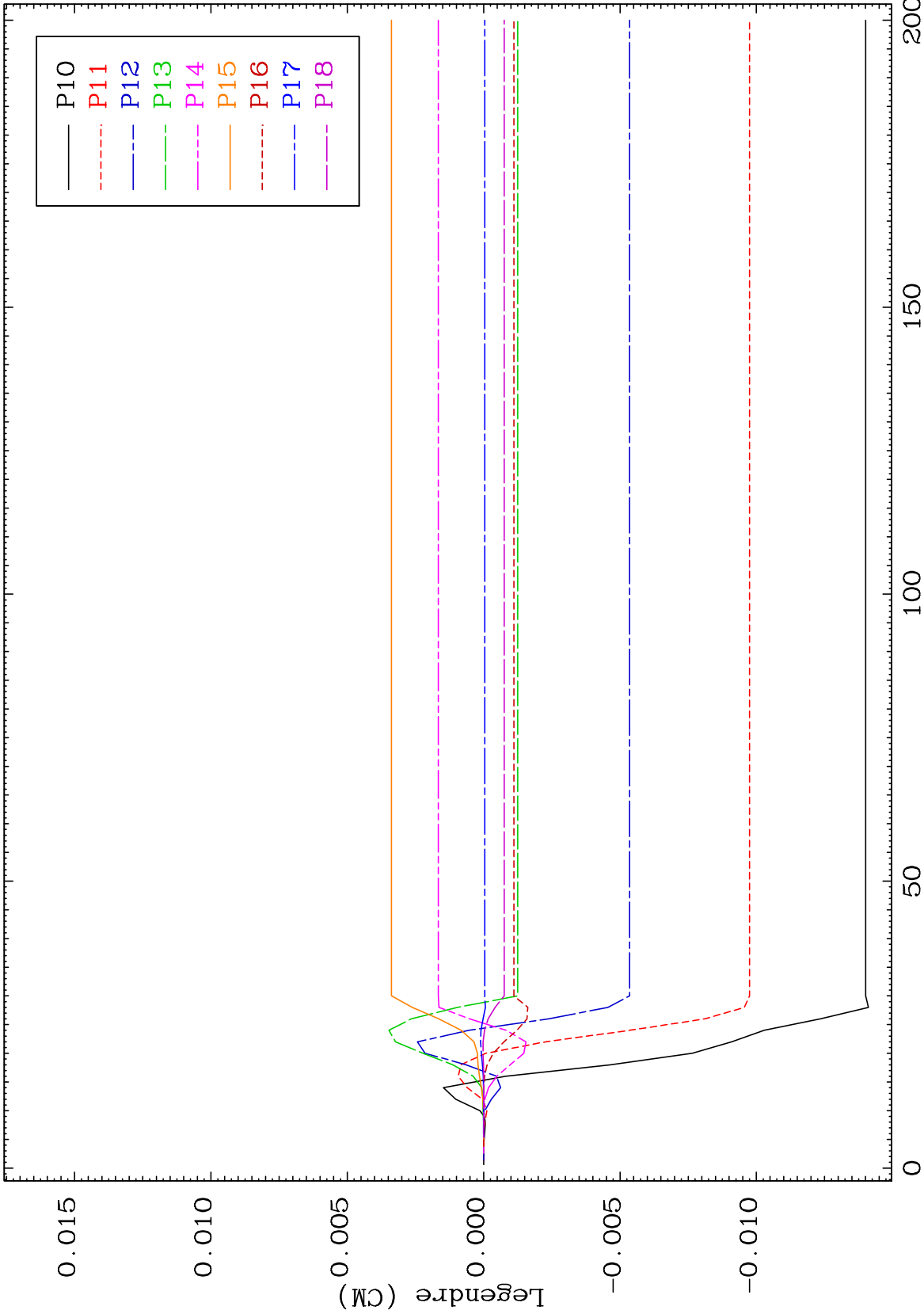


24

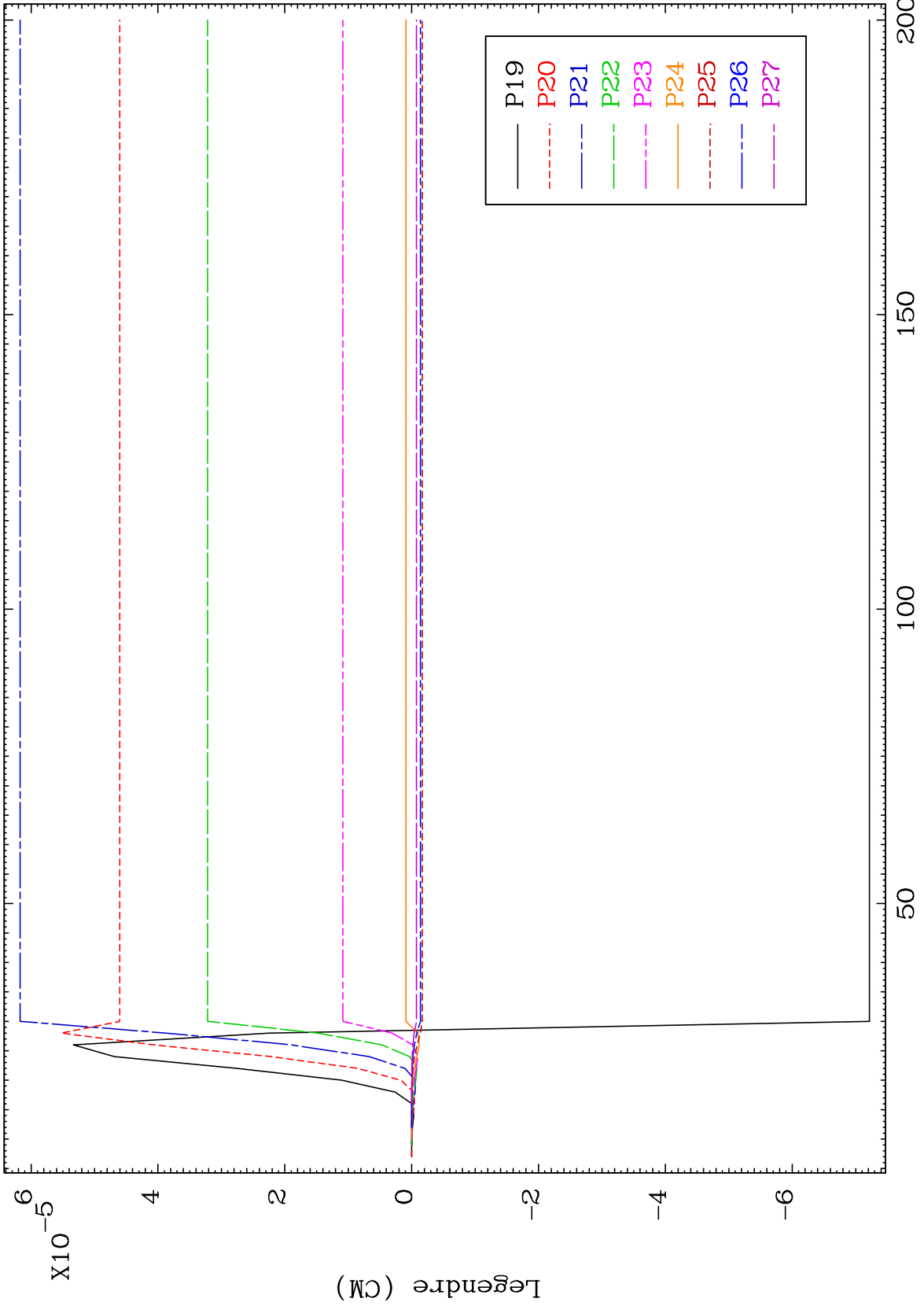
Incident Energy (MeV)

65-Tb-154

MAT 6510 MT= 52 (n,n') Level Legendre Coefficients 65-Tb-154



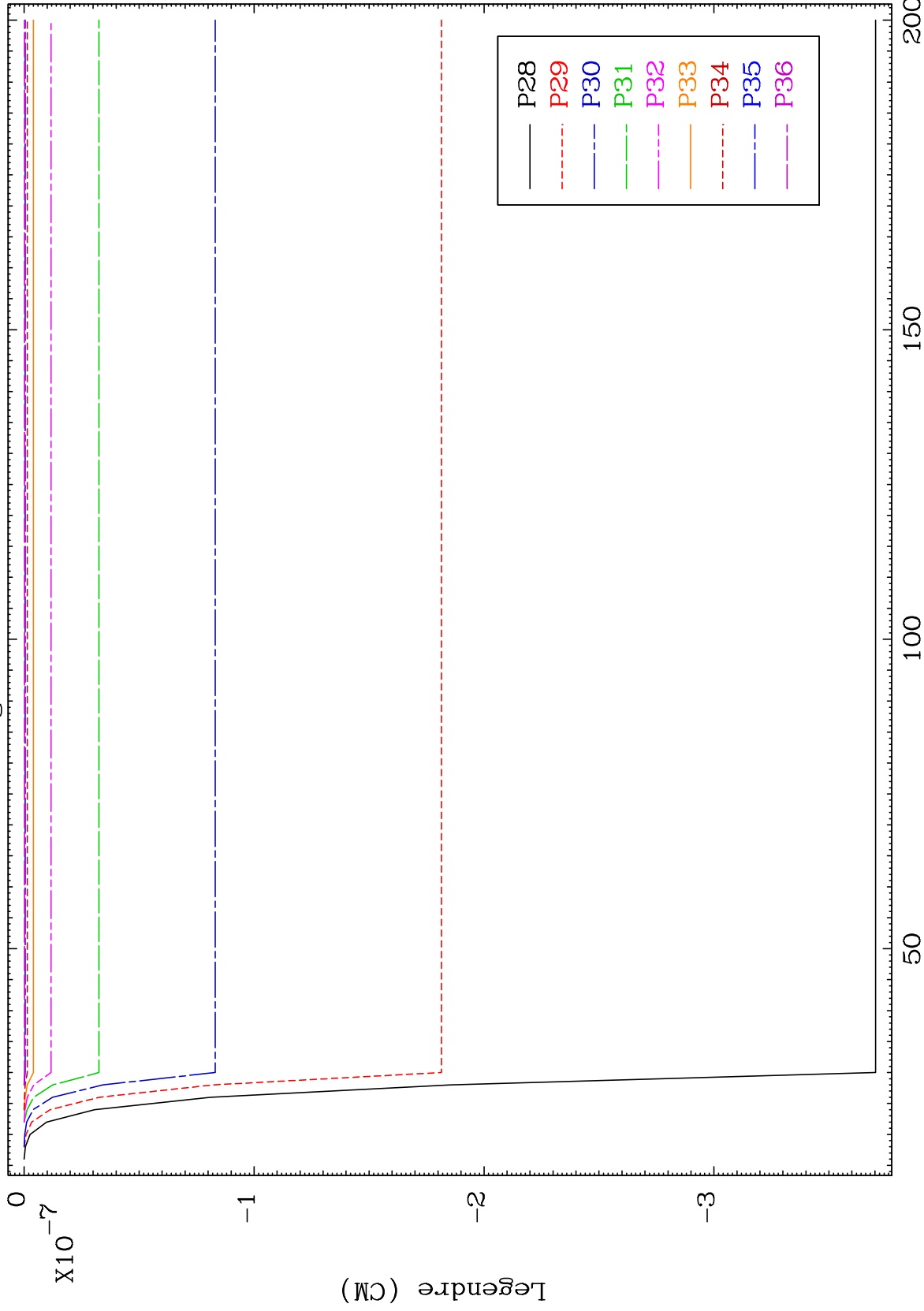
25 Incident Energy (MeV) 65-Tb-154



MAT 6510

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

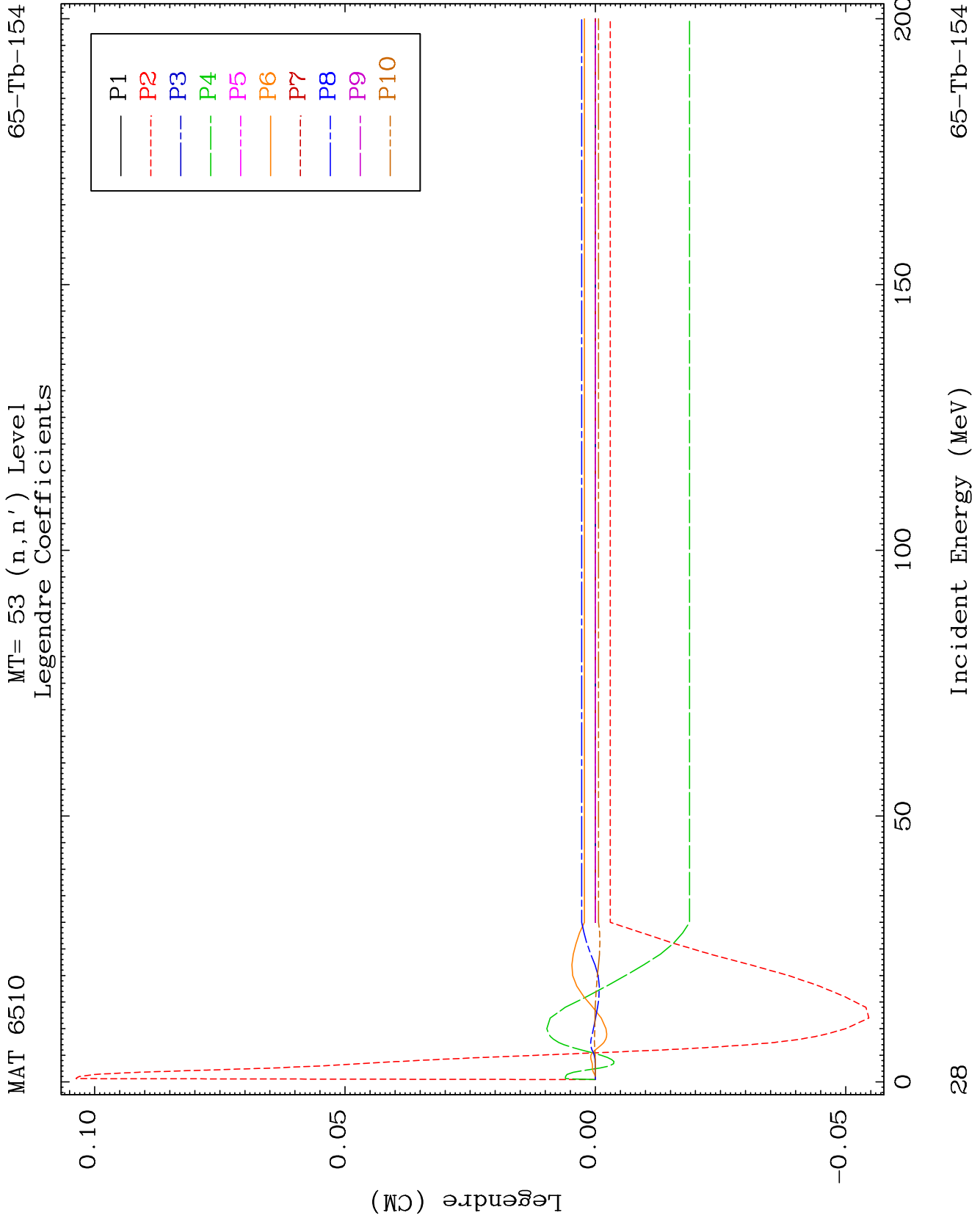
65-Tb-154



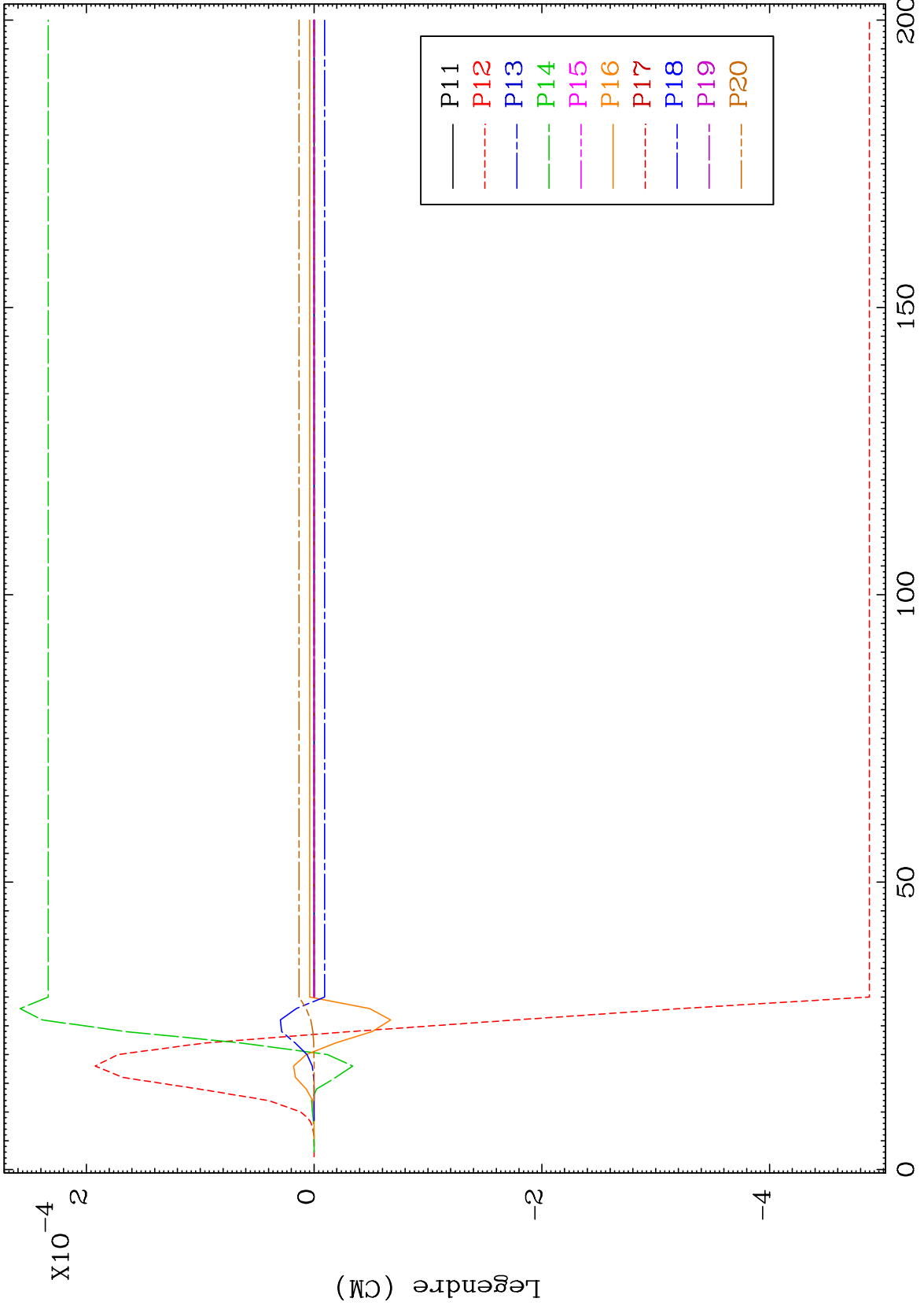
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Incident Energy (MeV)

27

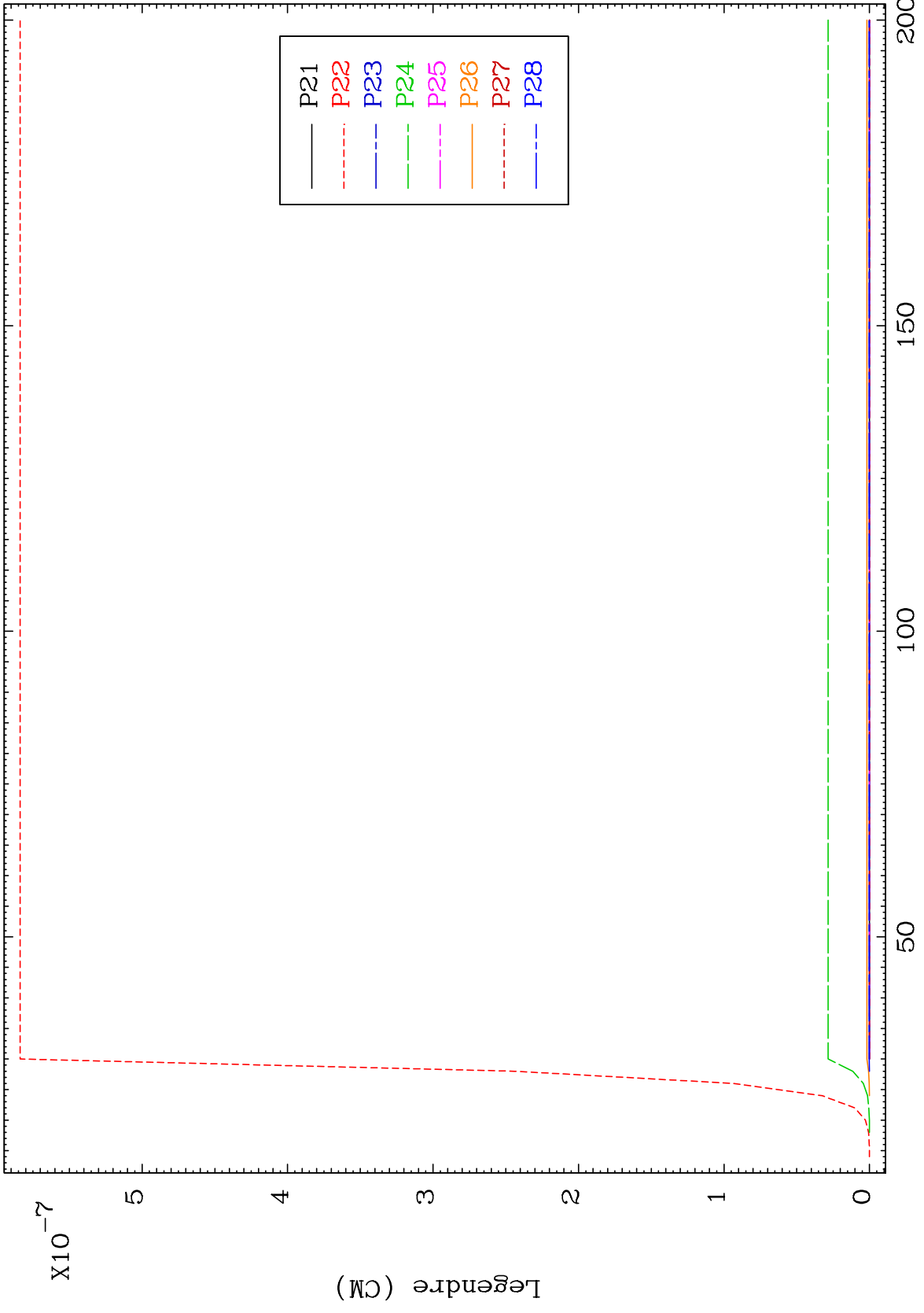


MAT 6510 MT= 53 (n,n') Level Legendre Coefficients 65-Tb-154



29 65-Tb-154

MAT 6510 MT= 53 (n,n') Level Legendre Coefficients 65-Tb-154

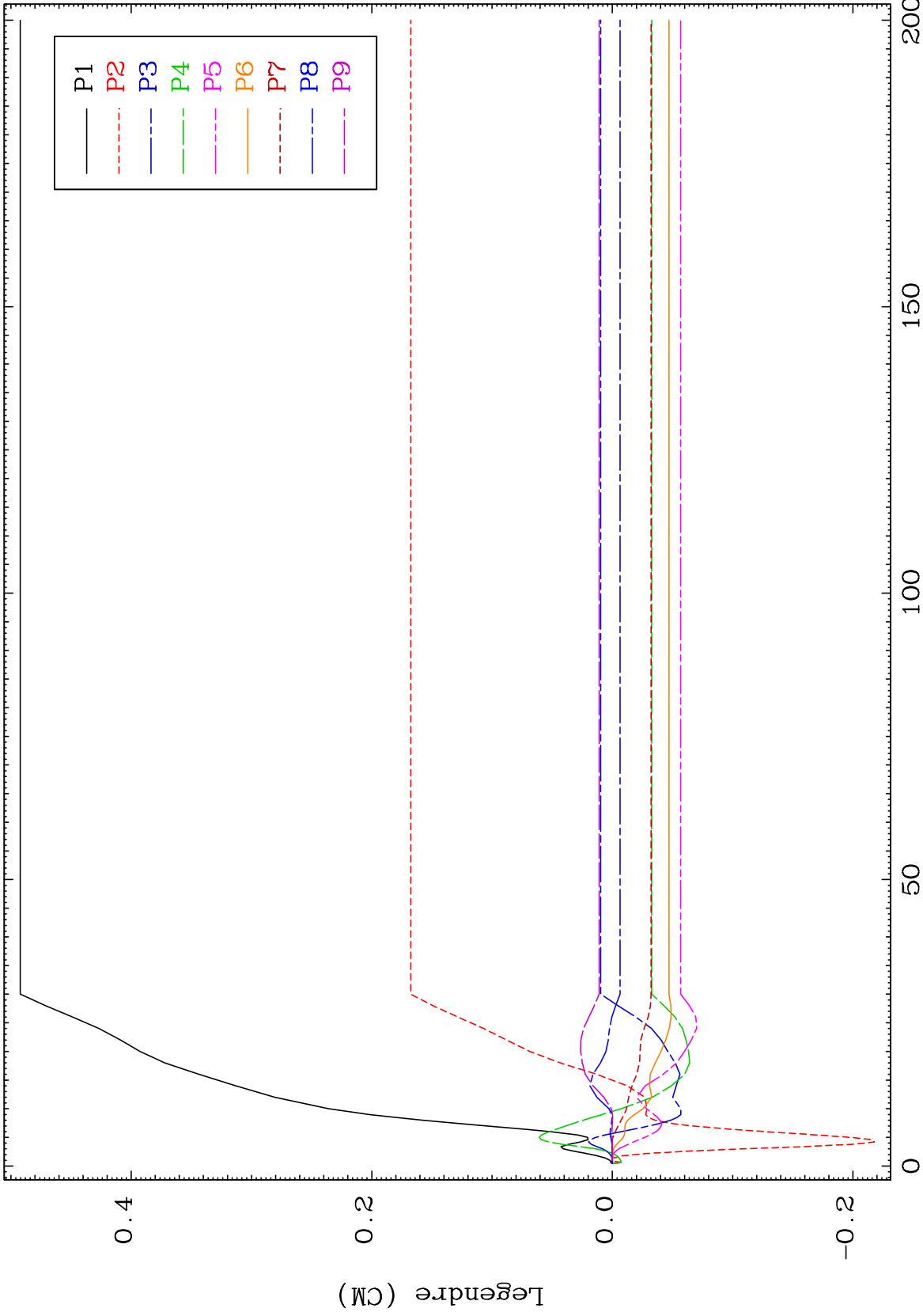


65-Tb-154

MAT 6510

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

65-Tb-154



31

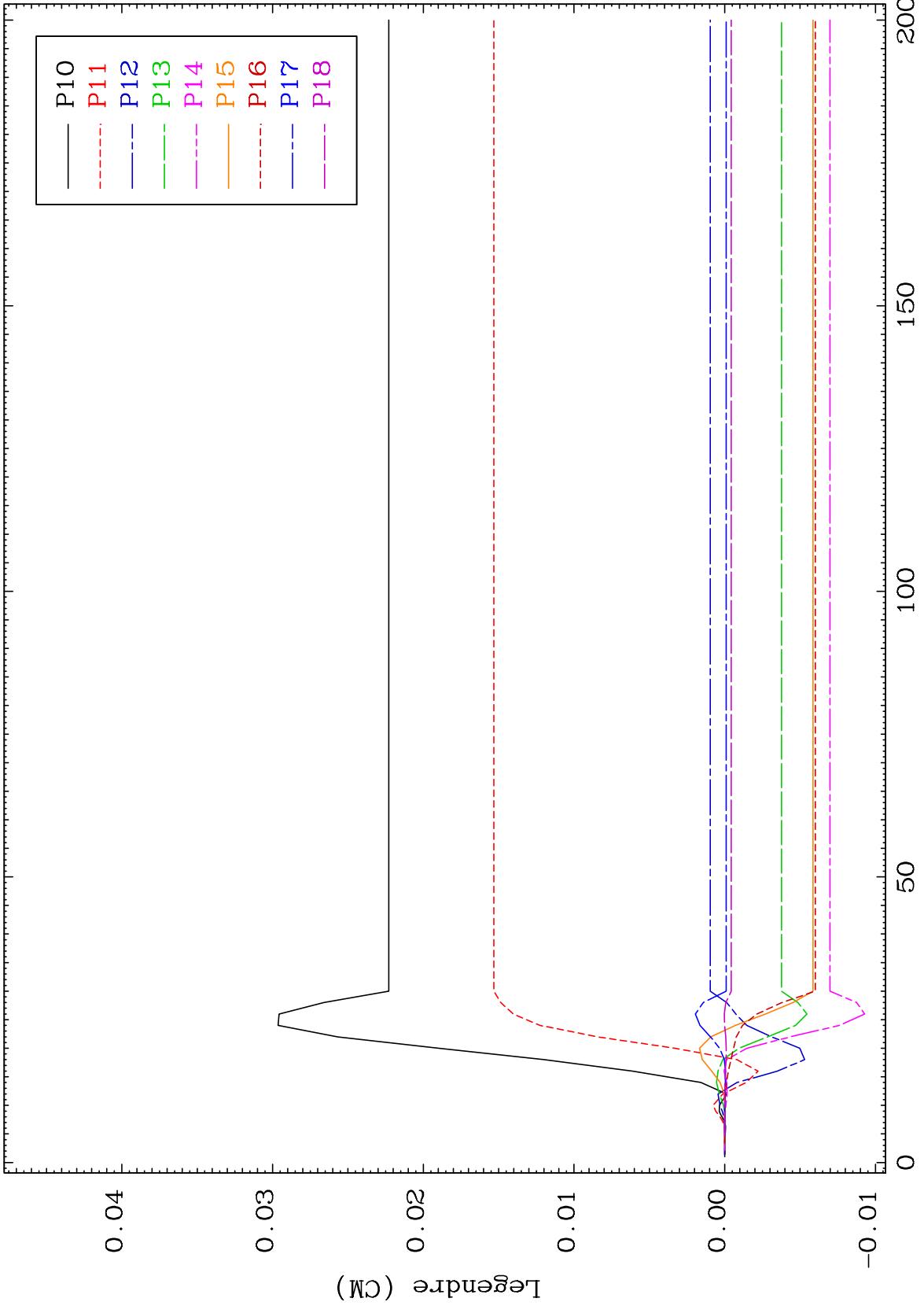
Incident Energy (MeV)

65-Tb-154

MAT 6510

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

65-Tb-154



32

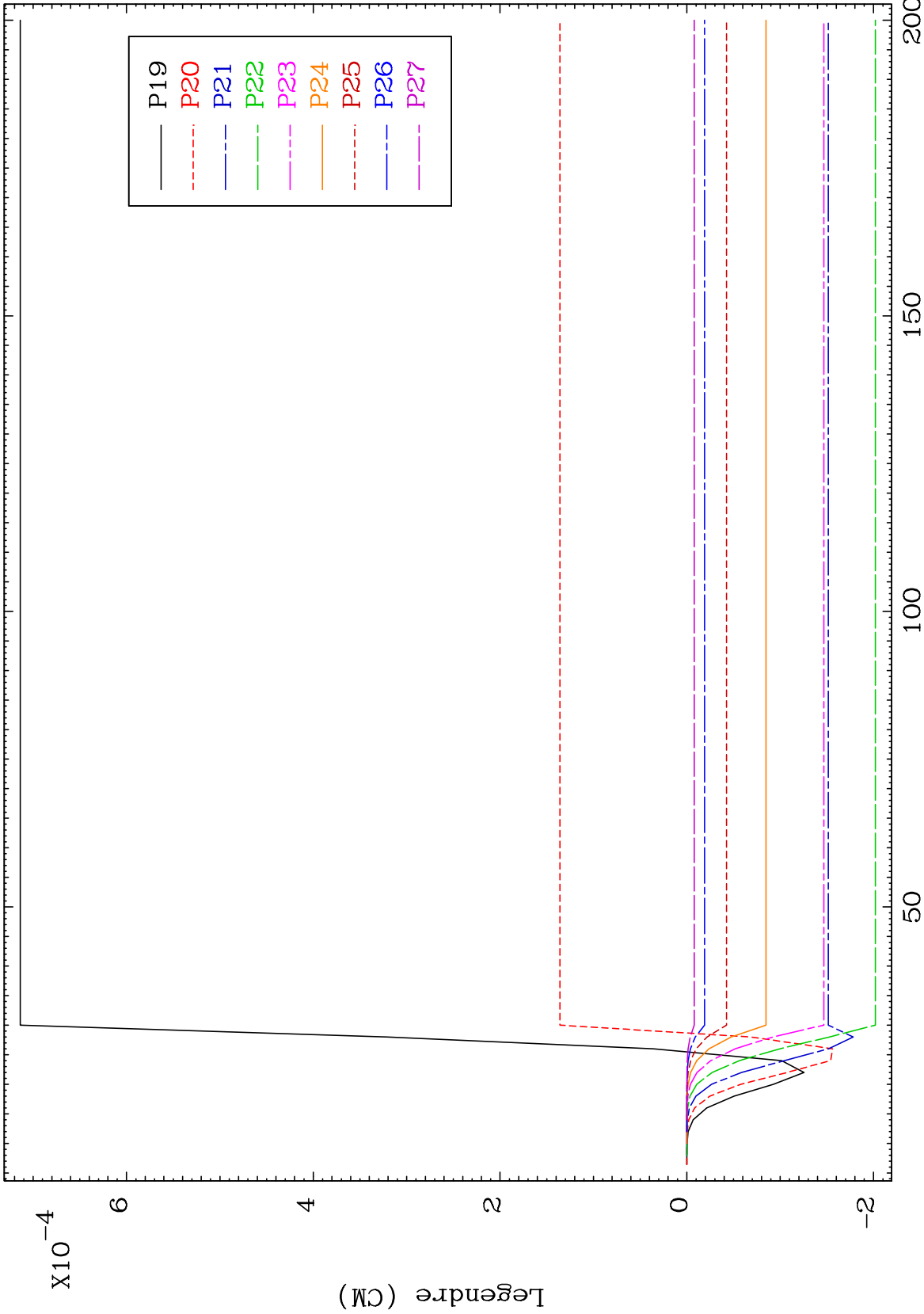
Incident Energy (MeV)

65-Tb-154

MAT 6510

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

65-Tb-154



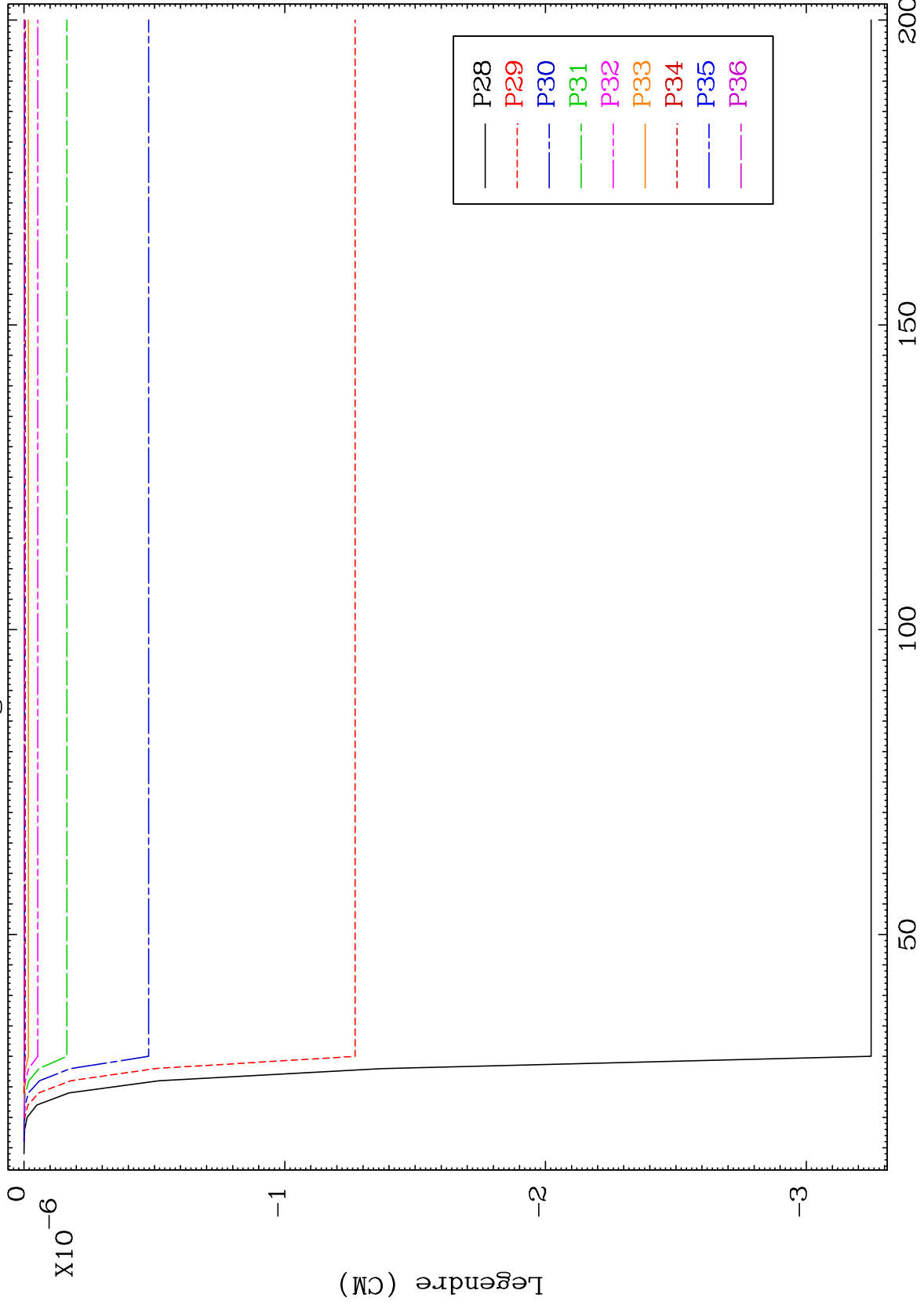
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65-Tb-154

MAT 6510

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

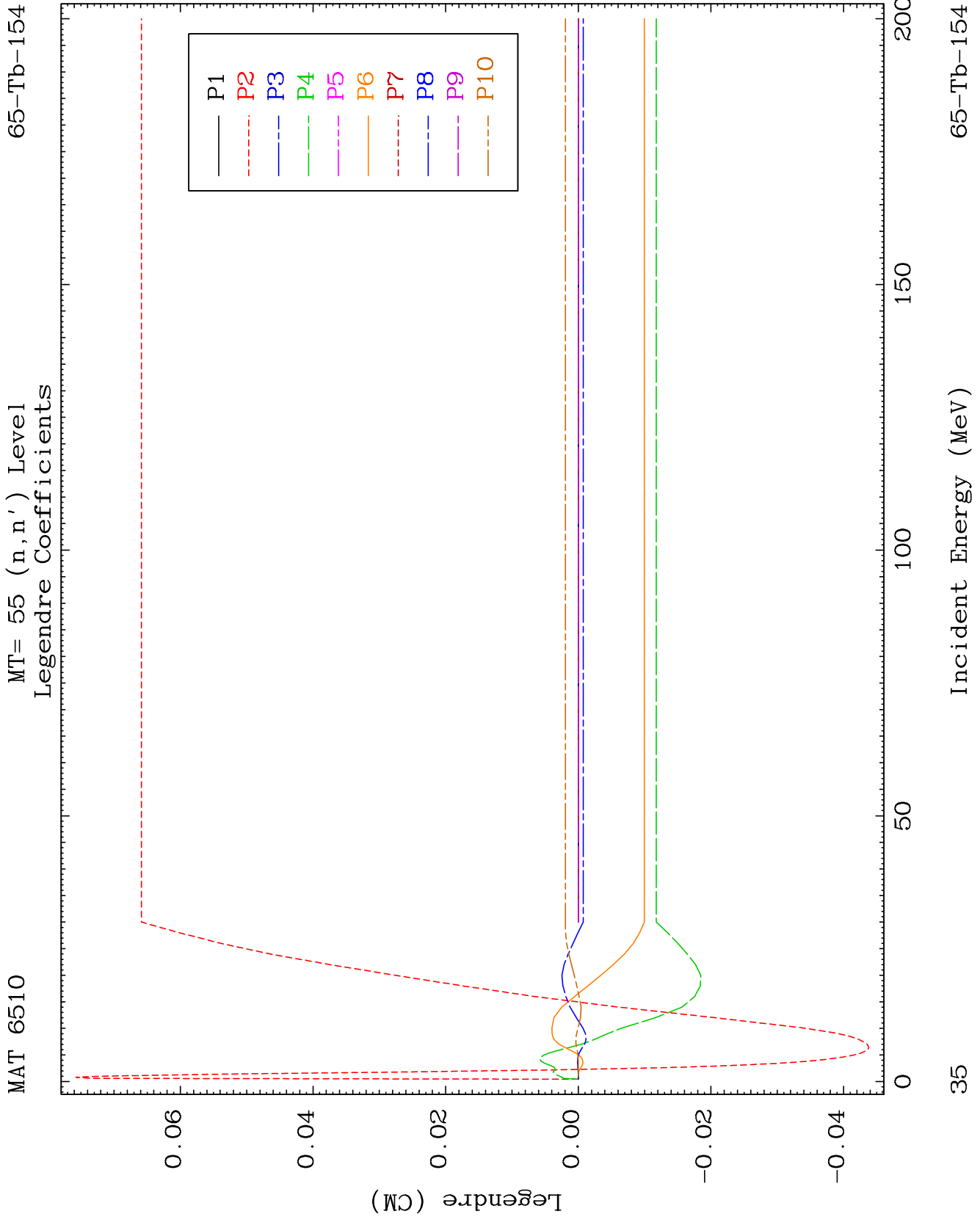
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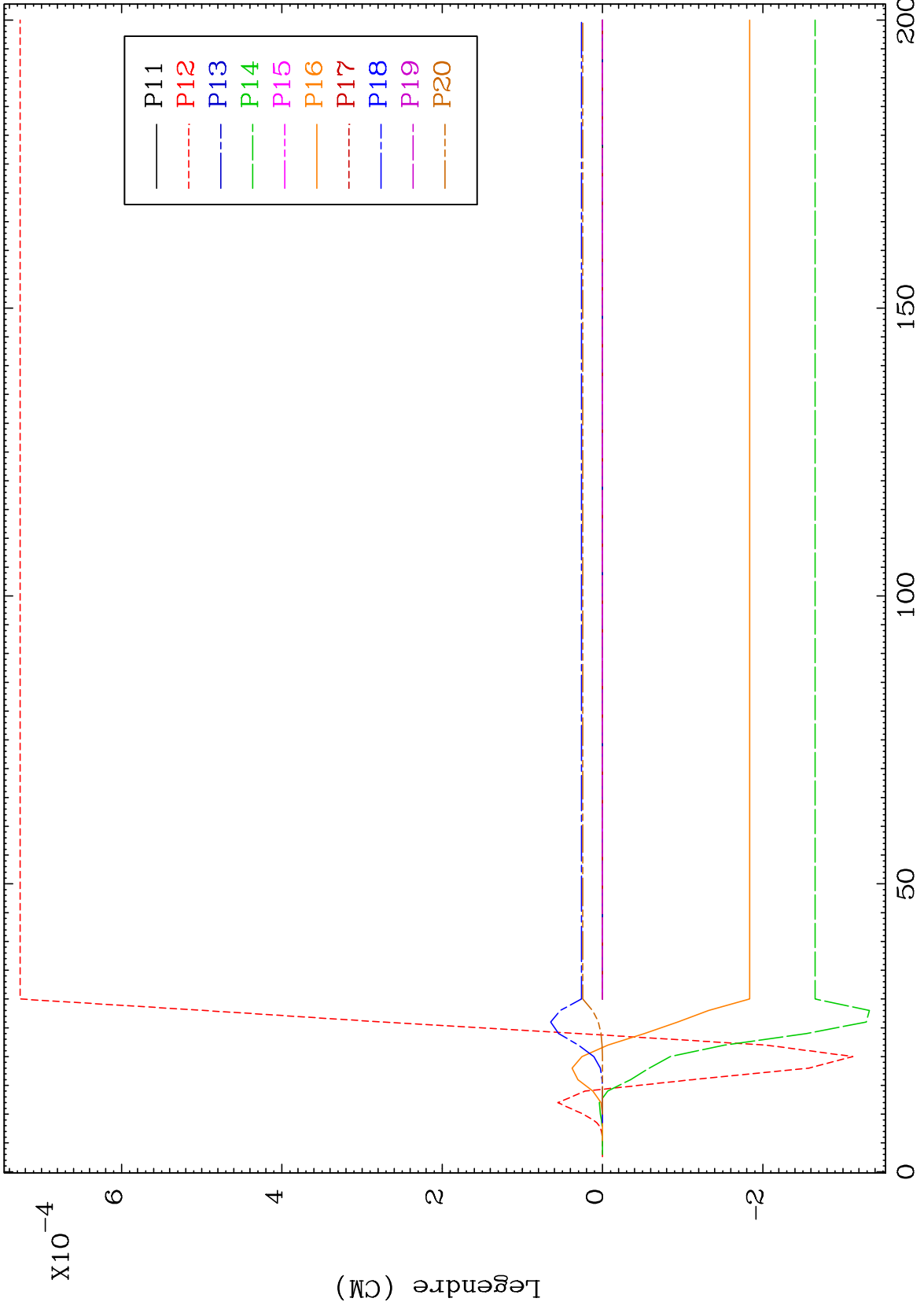
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Incident Energy (MeV)

65-Tb-154

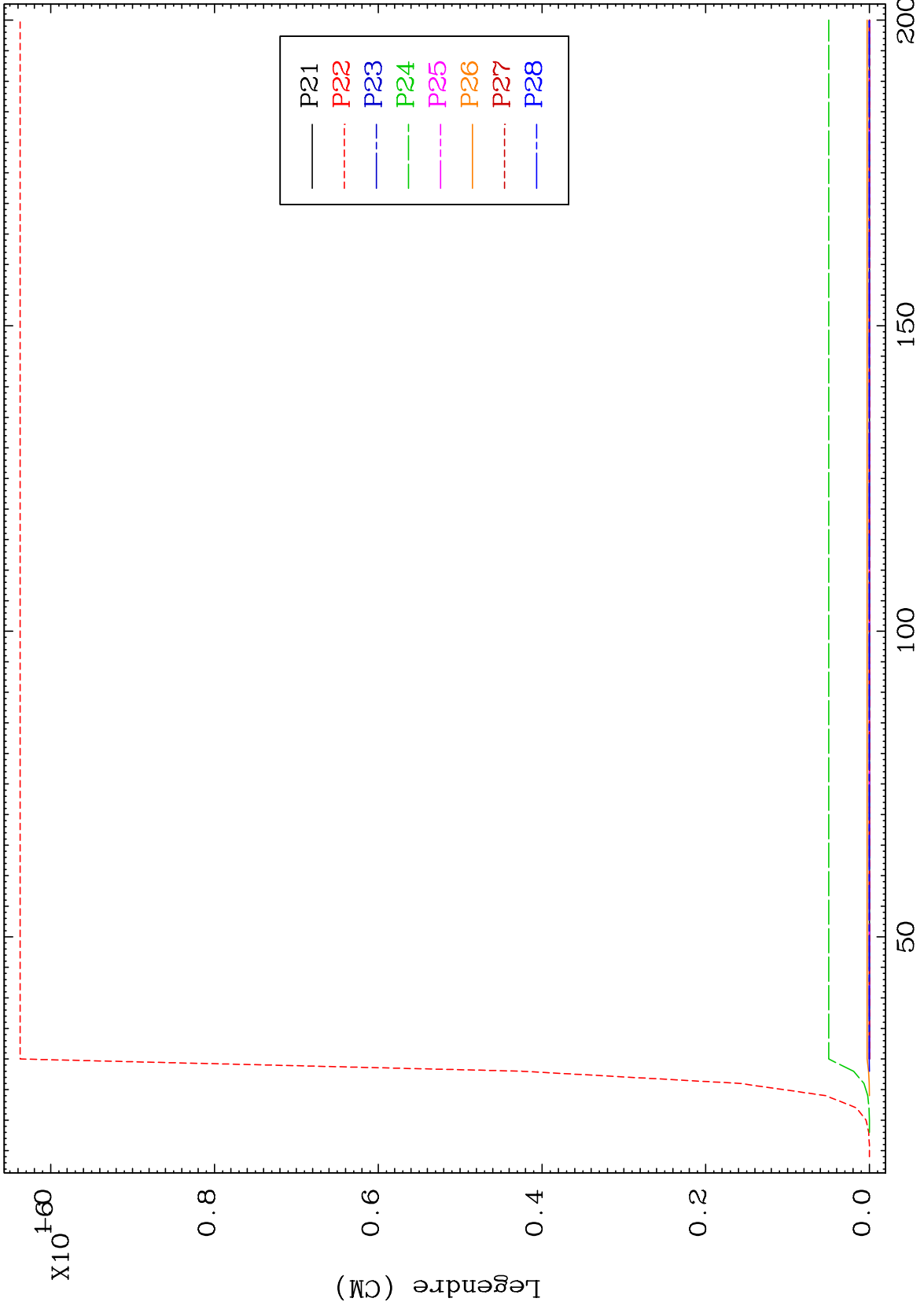


MAT 6510 MT= 55 (n,n') Level Legendre Coefficients 65-Tb-154



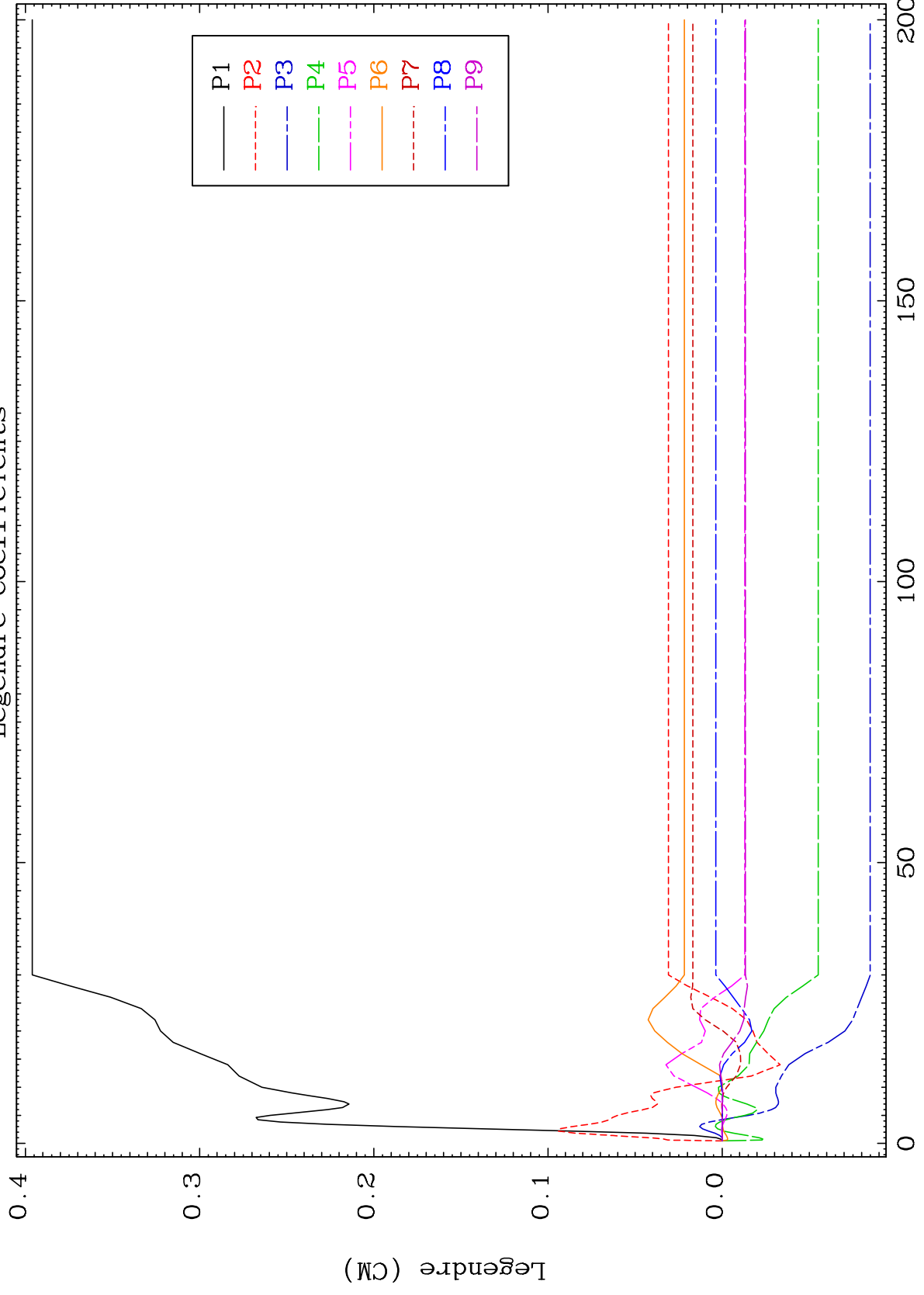
36 65-Tb-154

MAT 6510 MT= 55 (n,n') Level Legendre Coefficients 65-Tb-154



37 65-Tb-154

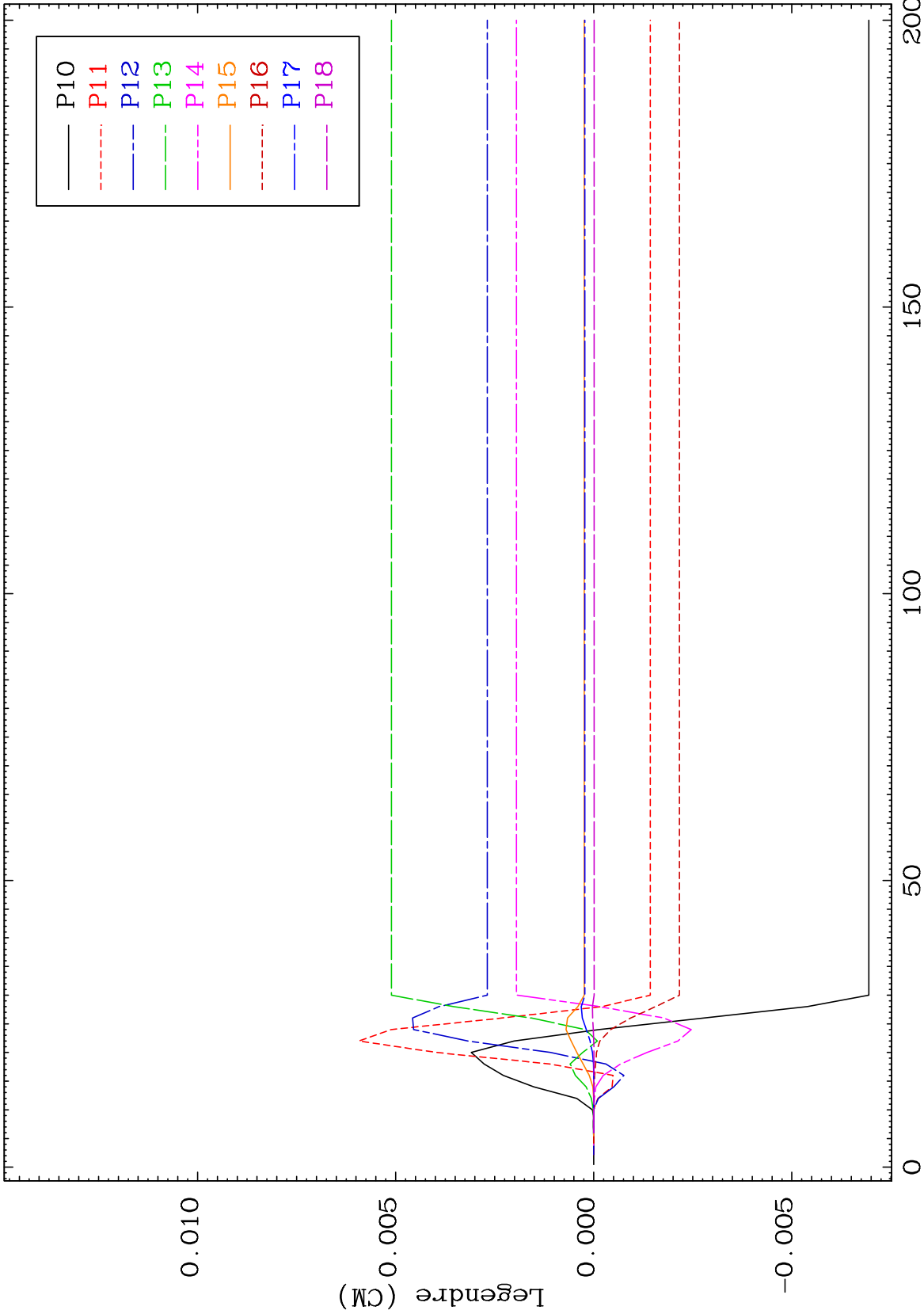
MAT 6510 MT= 56 (n,n') Level Legendre Coefficients 65-Tb-154



MAT 6510

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

65-Tb-154



39

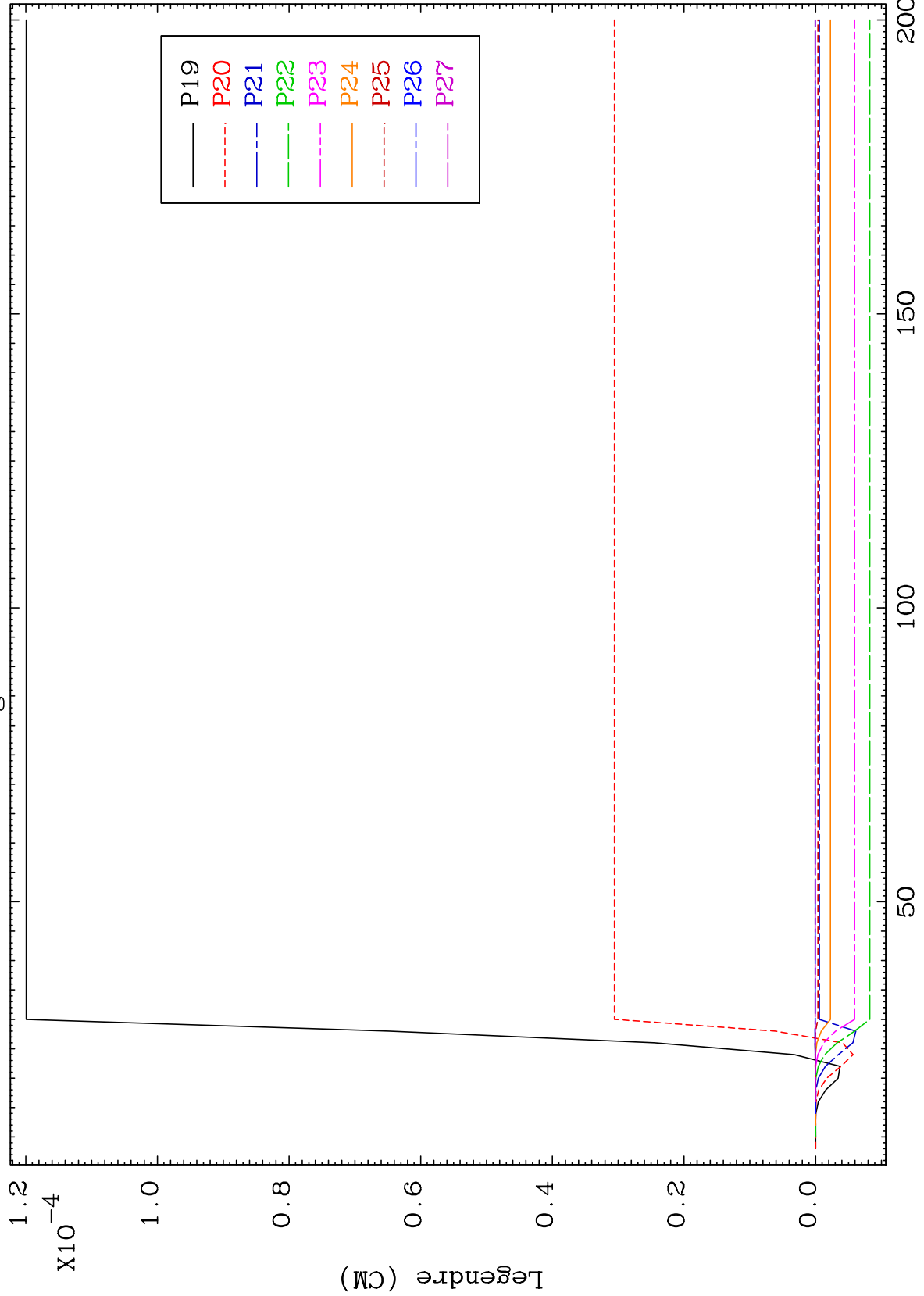
Incident Energy (MeV)

65-Tb-154

MAT 6510

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

65-Tb-154

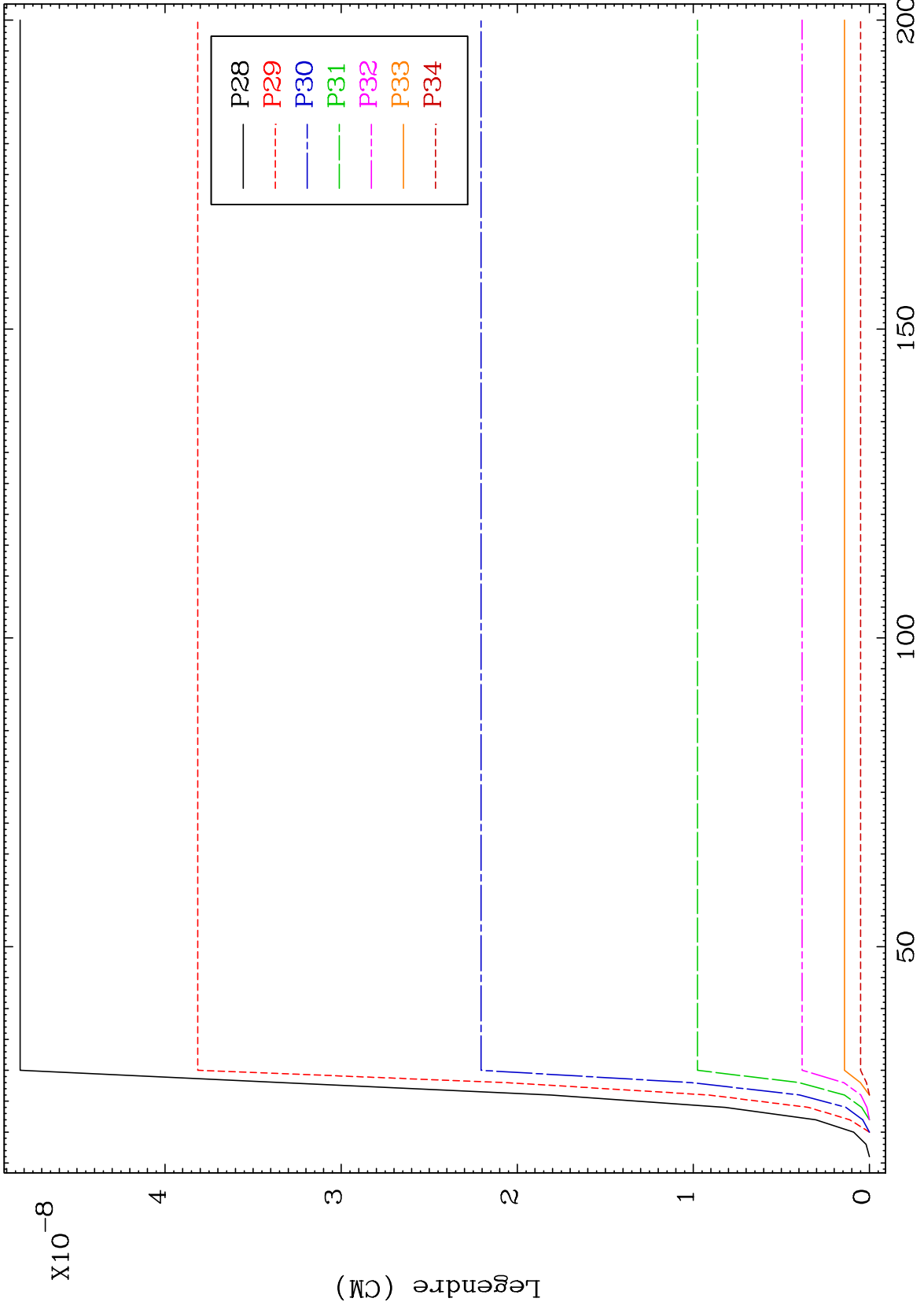


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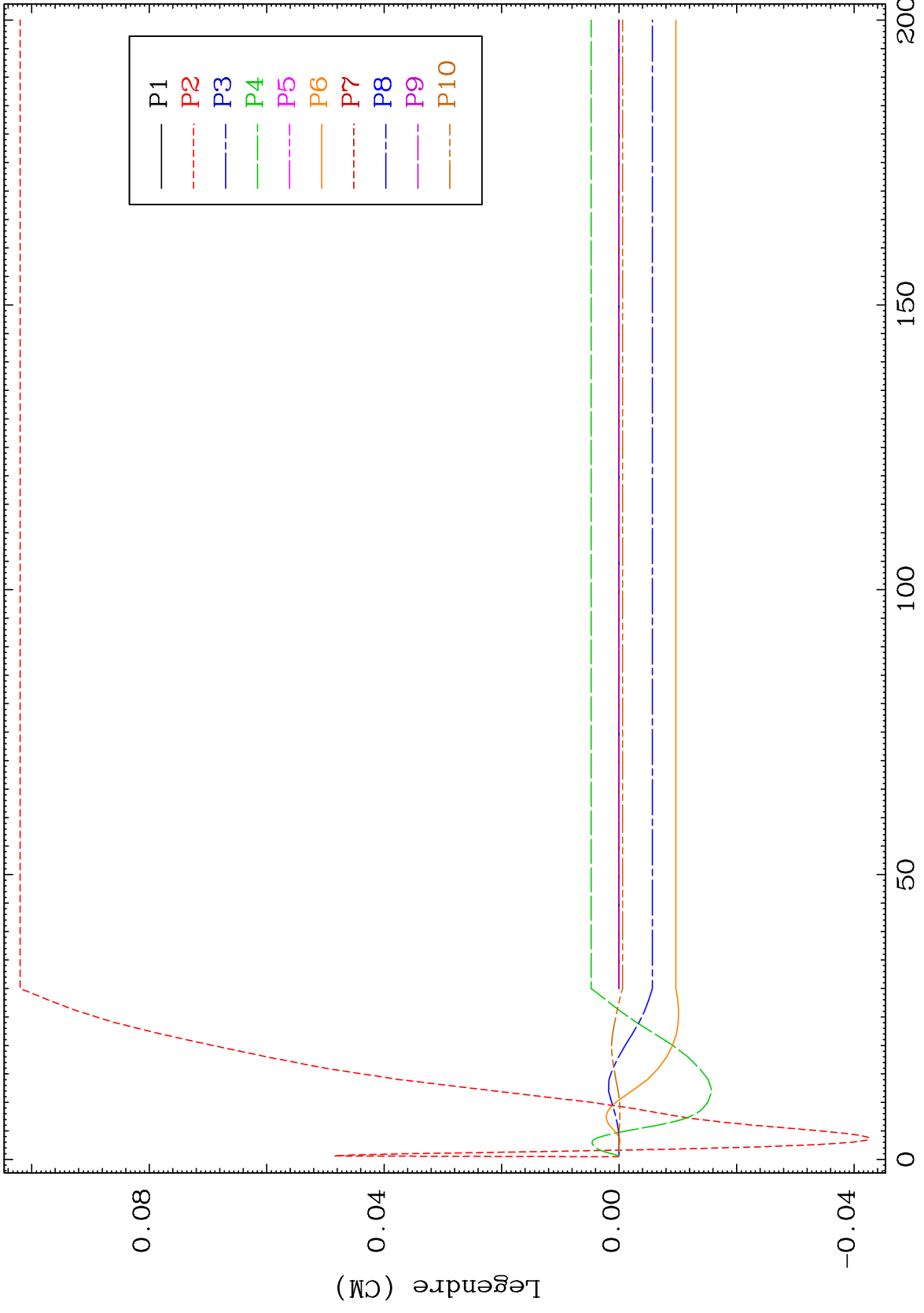
Incident Energy (MeV)

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MAT 6510 MT= 56 (n,n') Level Legendre Coefficients 65-Tb-154

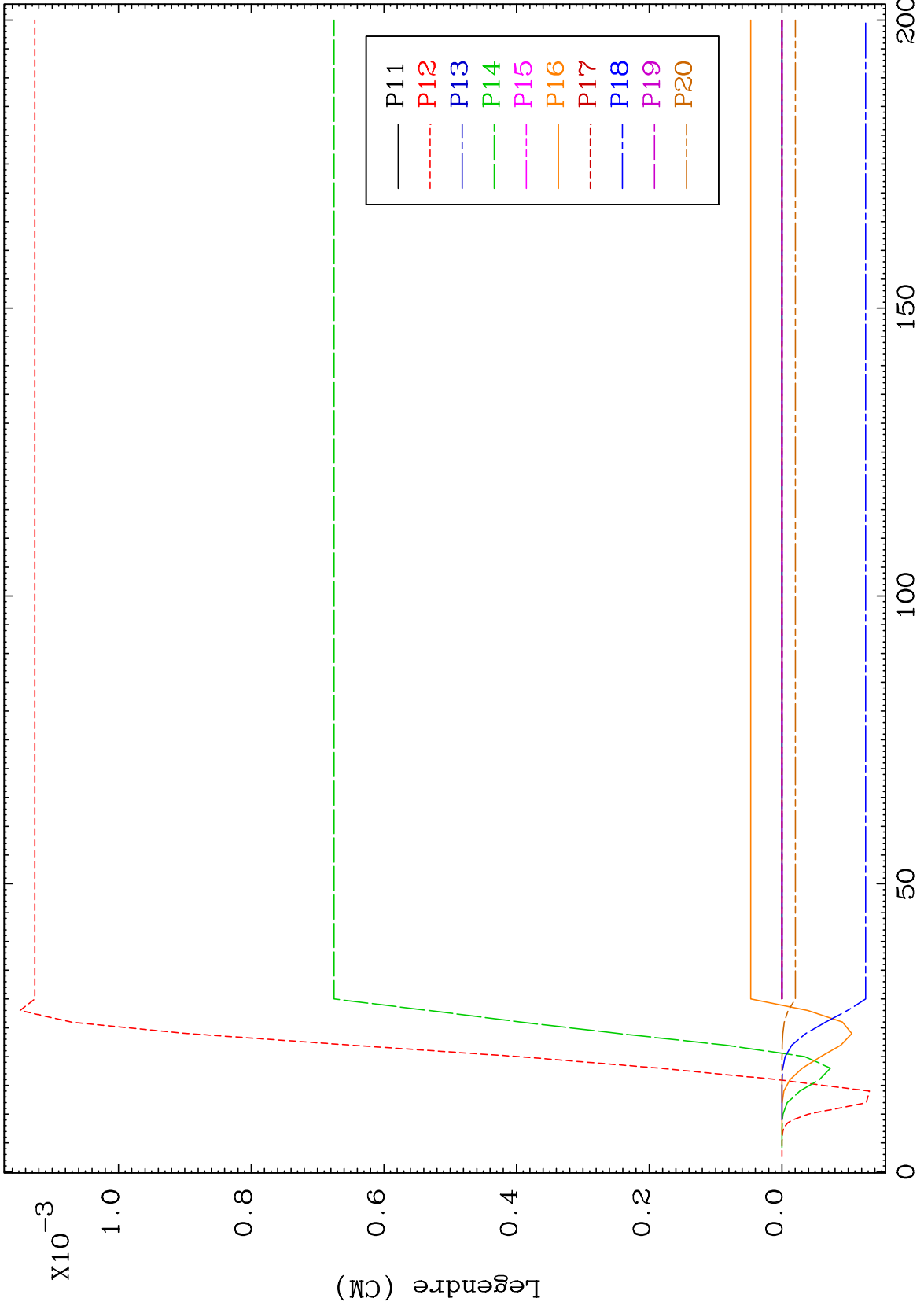


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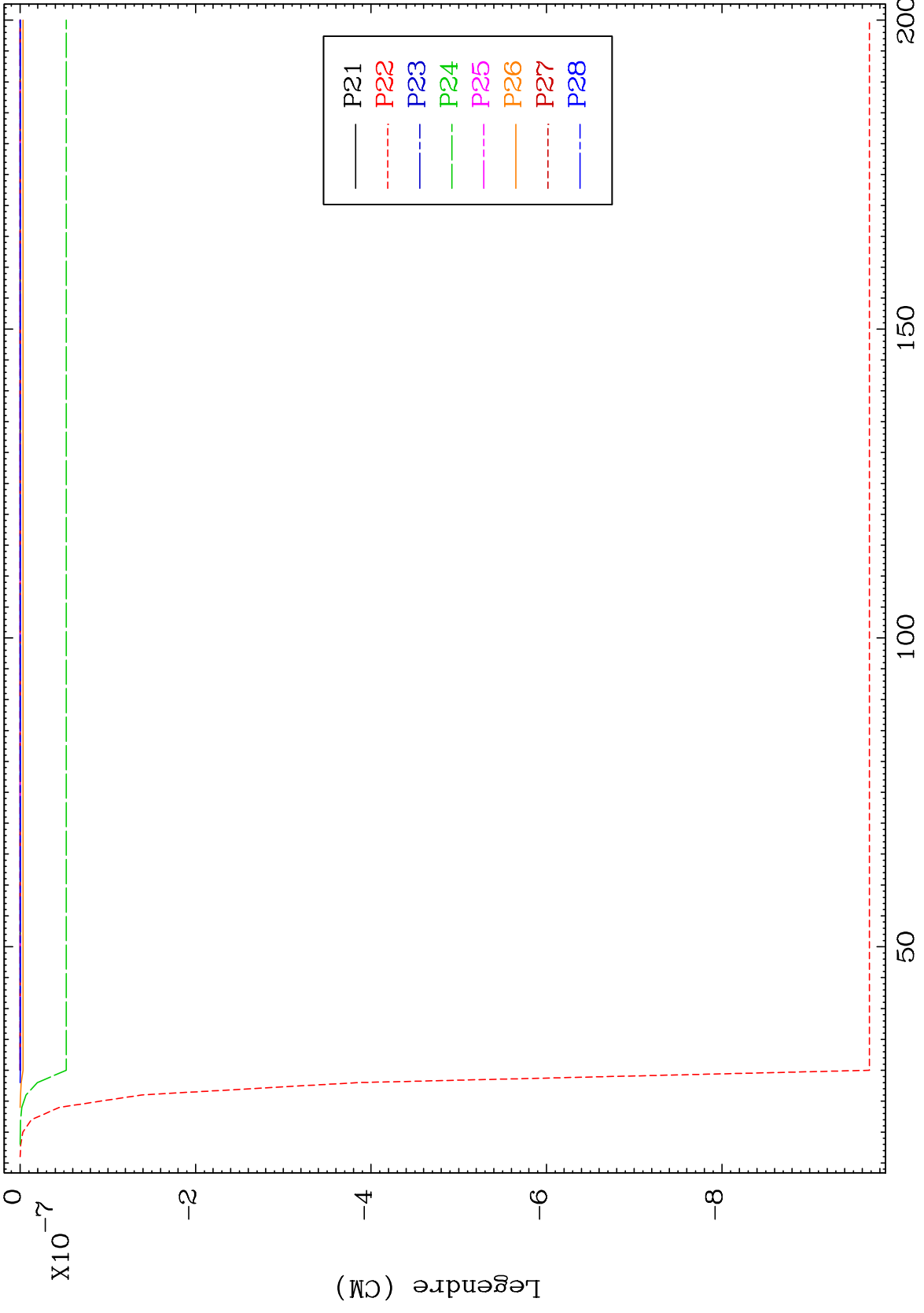
42 65-Tb-154

MAT 6510 MT= 57 (n,n') Level Legendre Coefficients 65-Tb-154



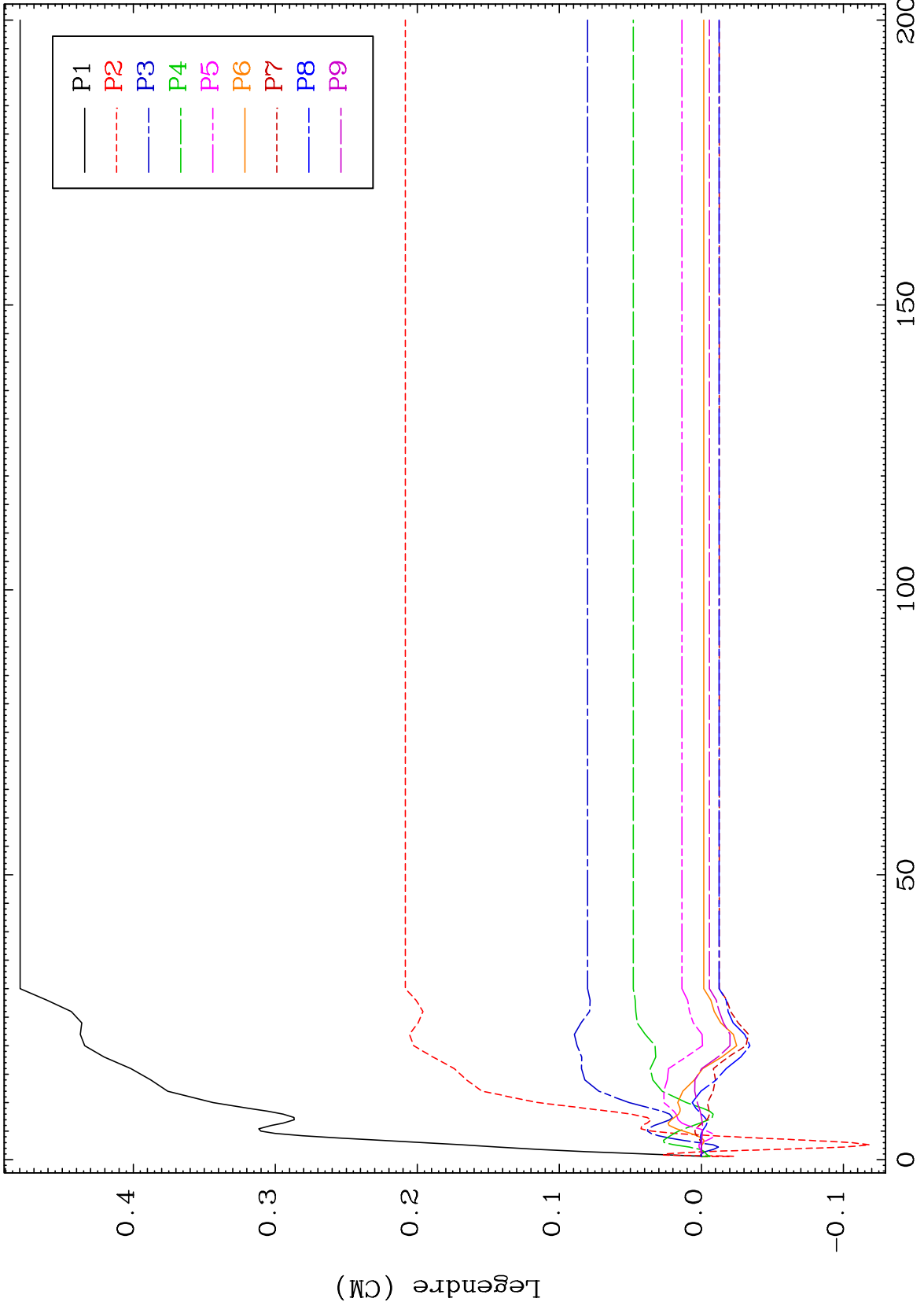
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MAT 6510 MT= 57 (n,n') Level Legendre Coefficients 65-Tb-154



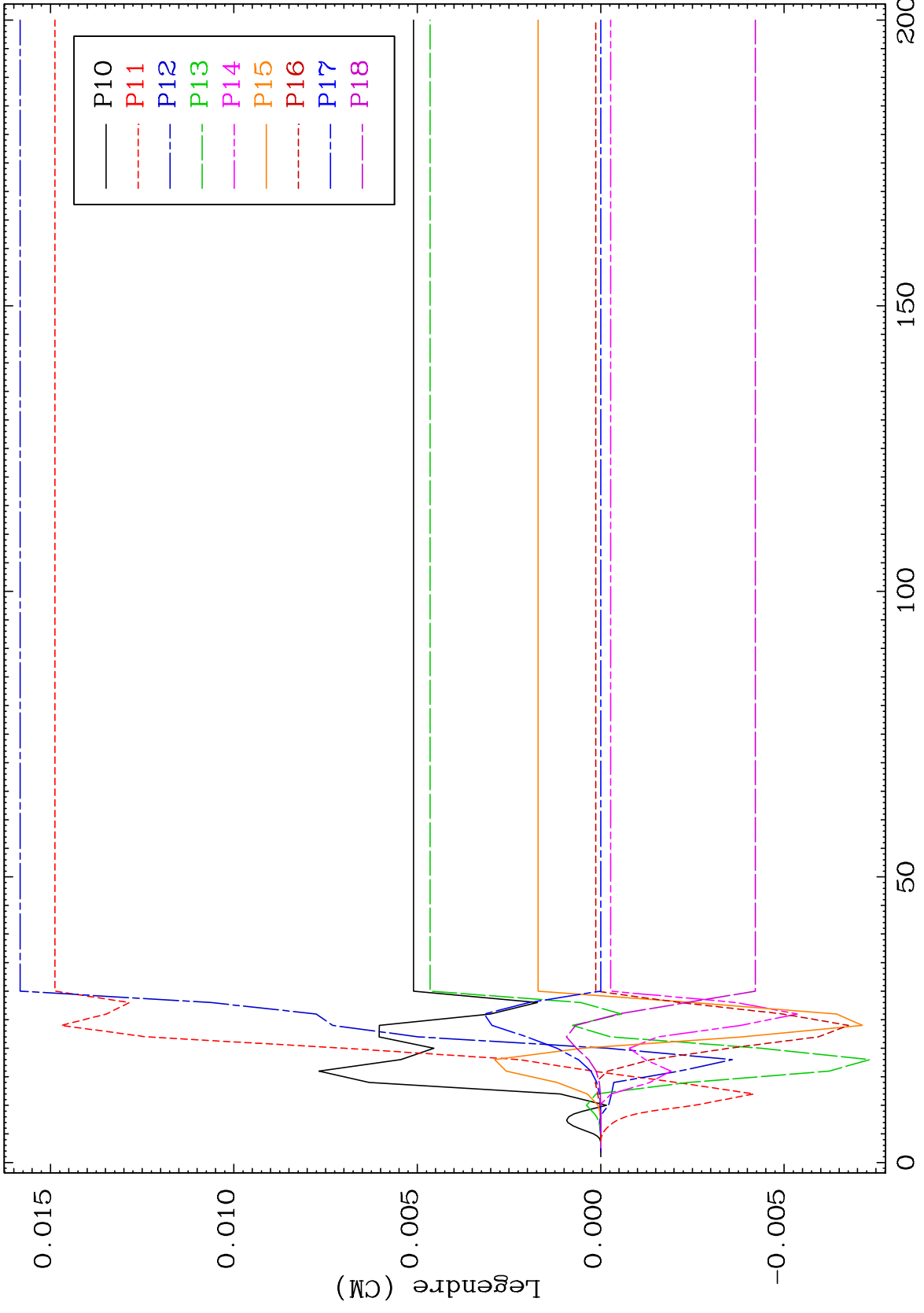
44 65-Tb-154

MAT 6510 MT= 58 (n,n') Level Legendre Coefficients 65-Tb-154



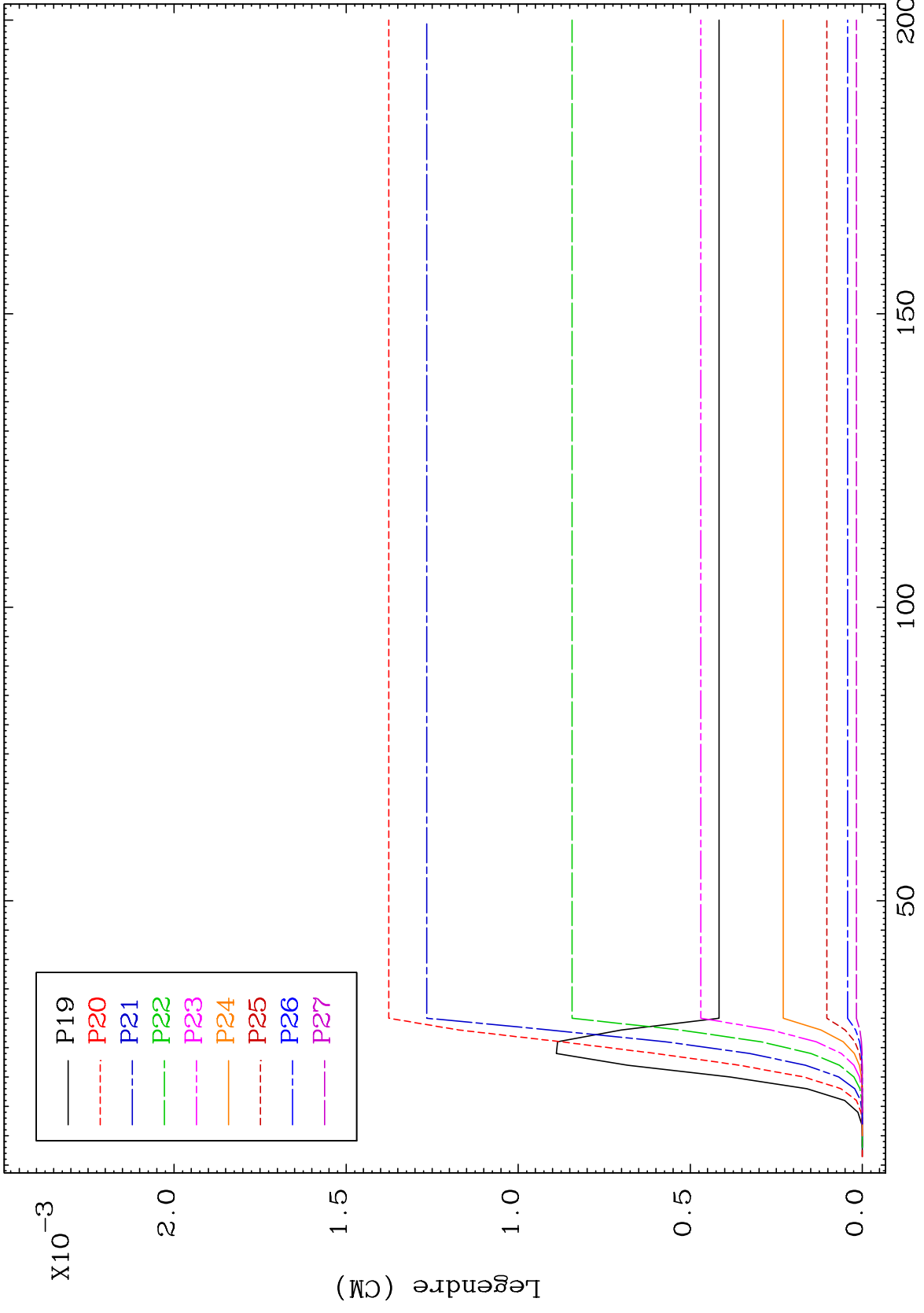
65-Tb-154 Incident Energy (MeV)

MAT 6510 MT= 58 (n,n') Level Legendre Coefficients 65-Tb-154



46 65-Tb-154

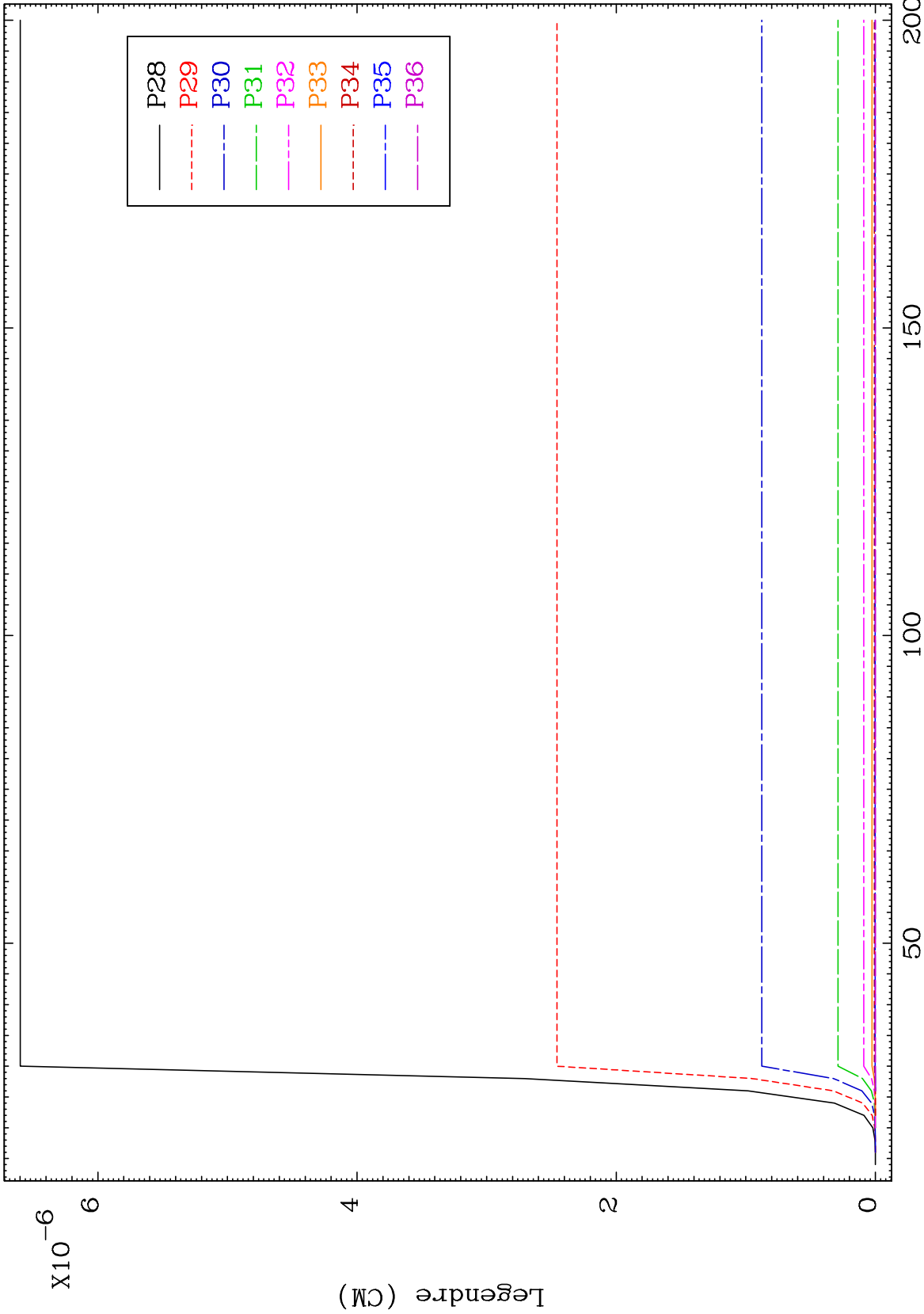
MAT 6510 MT= 58 (n,n') Level Legendre Coefficients 65-Tb-154



MAT 6510

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

65-Tb-154

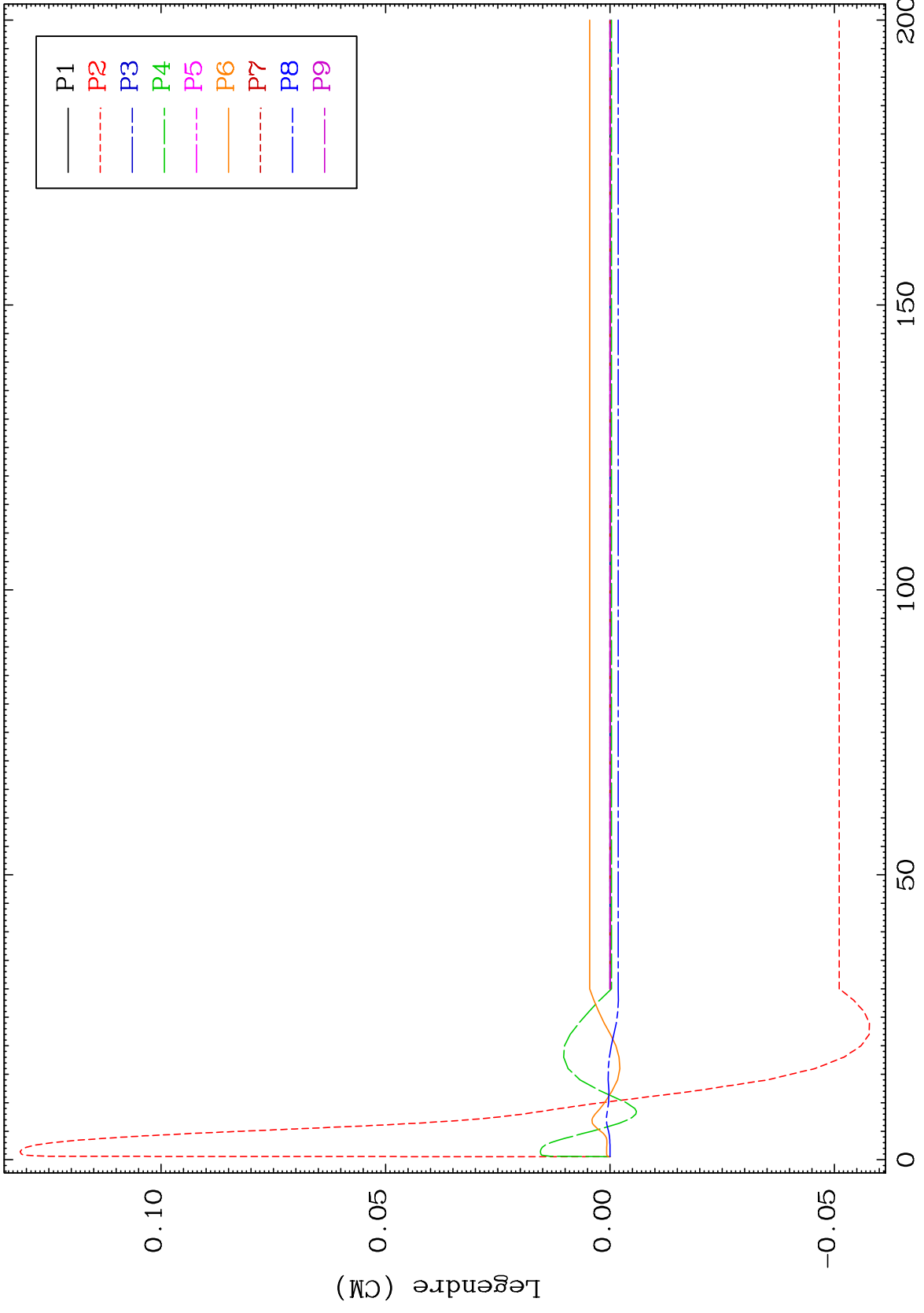


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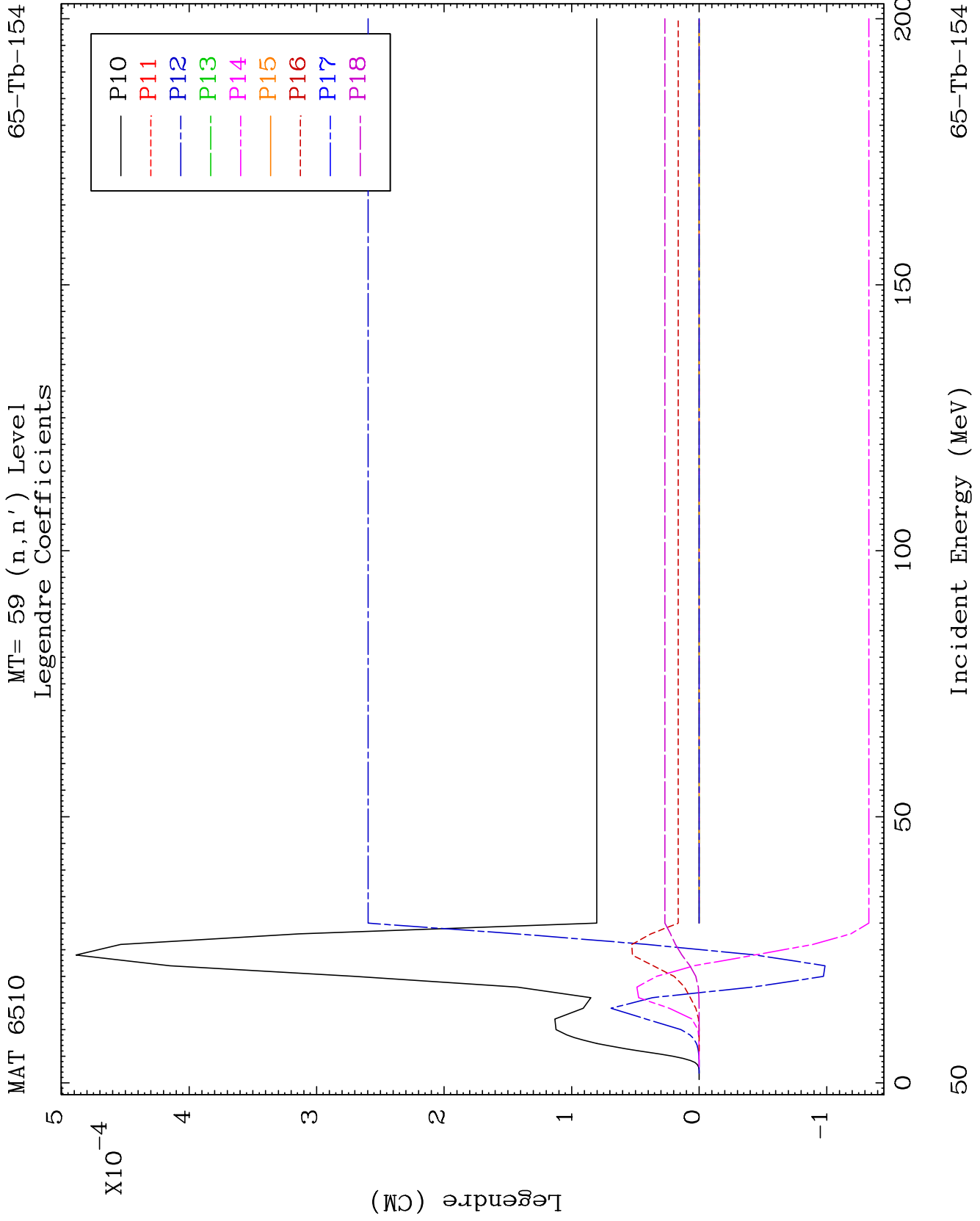
Incident Energy (MeV)

65-Tb-154

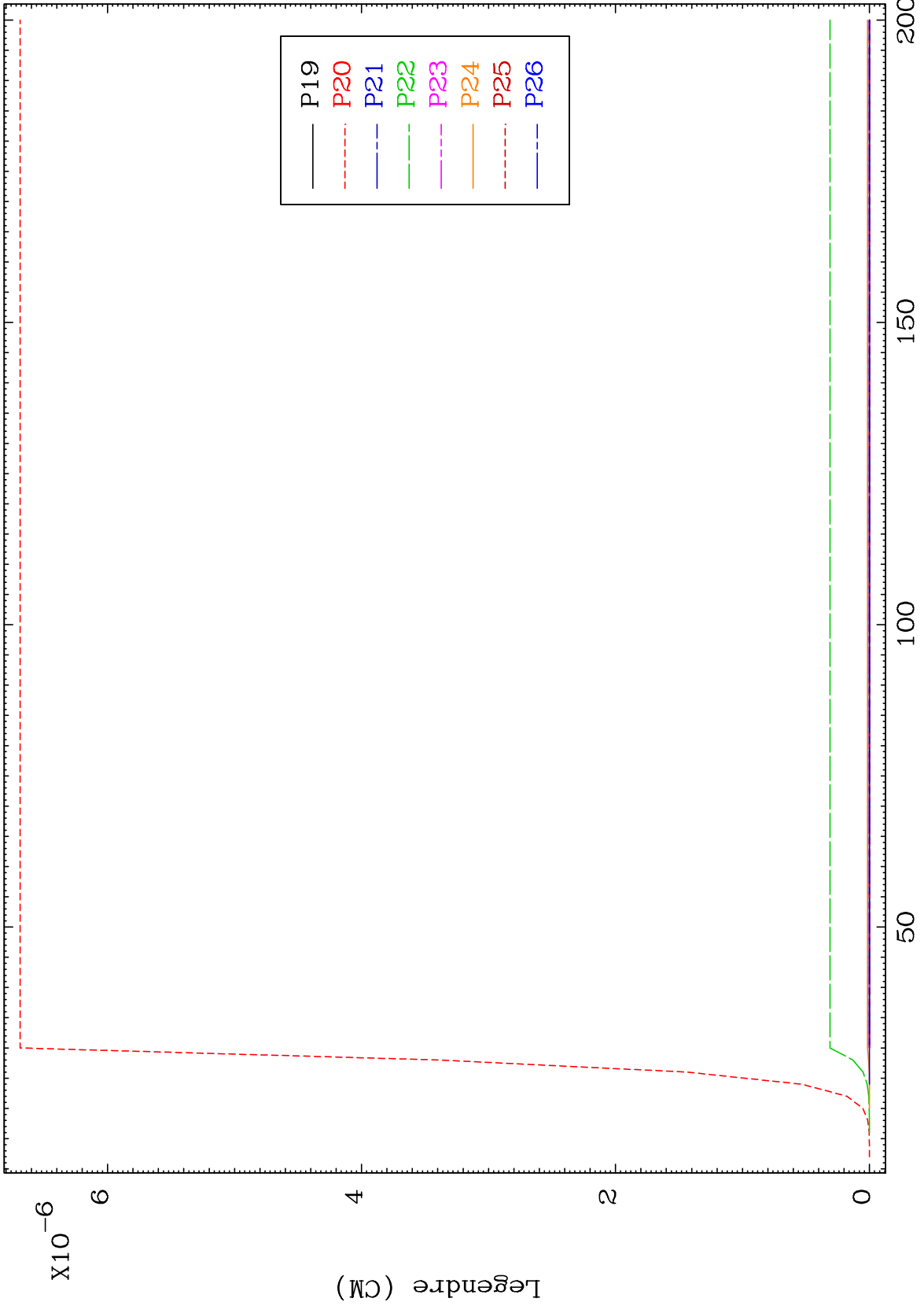
MAT 6510 MT= 59 (n,n') Level Legendre Coefficients 65-Tb-154



49 65-Tb-154

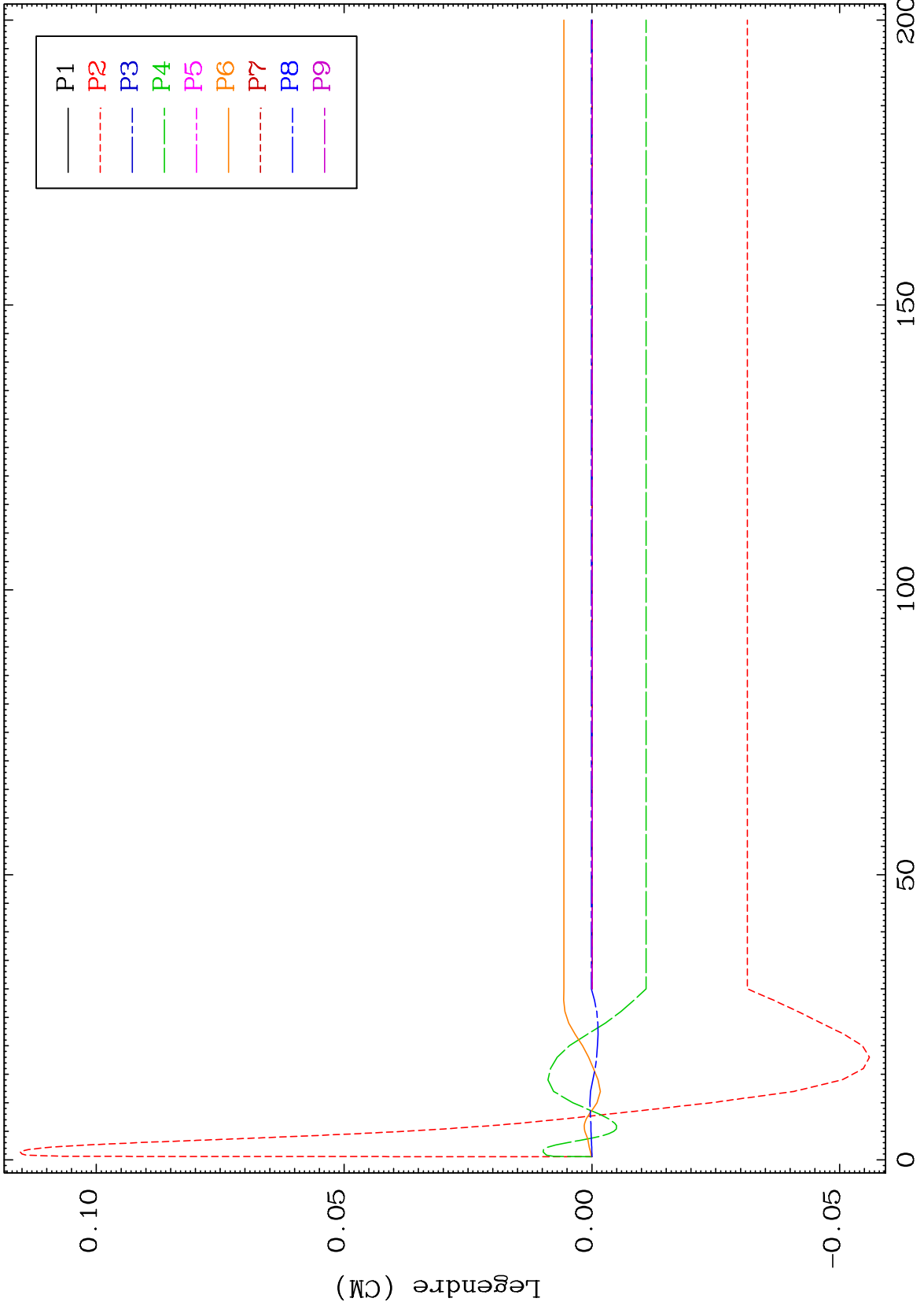


MAT 6510 MT= 59 (n,n') Level Legendre Coefficients 65-Tb-154



51 Incident Energy (MeV) 65-Tb-154

MAT 6510 MT= 60 (n,n') Level Legendre Coefficients 65-Tb-154

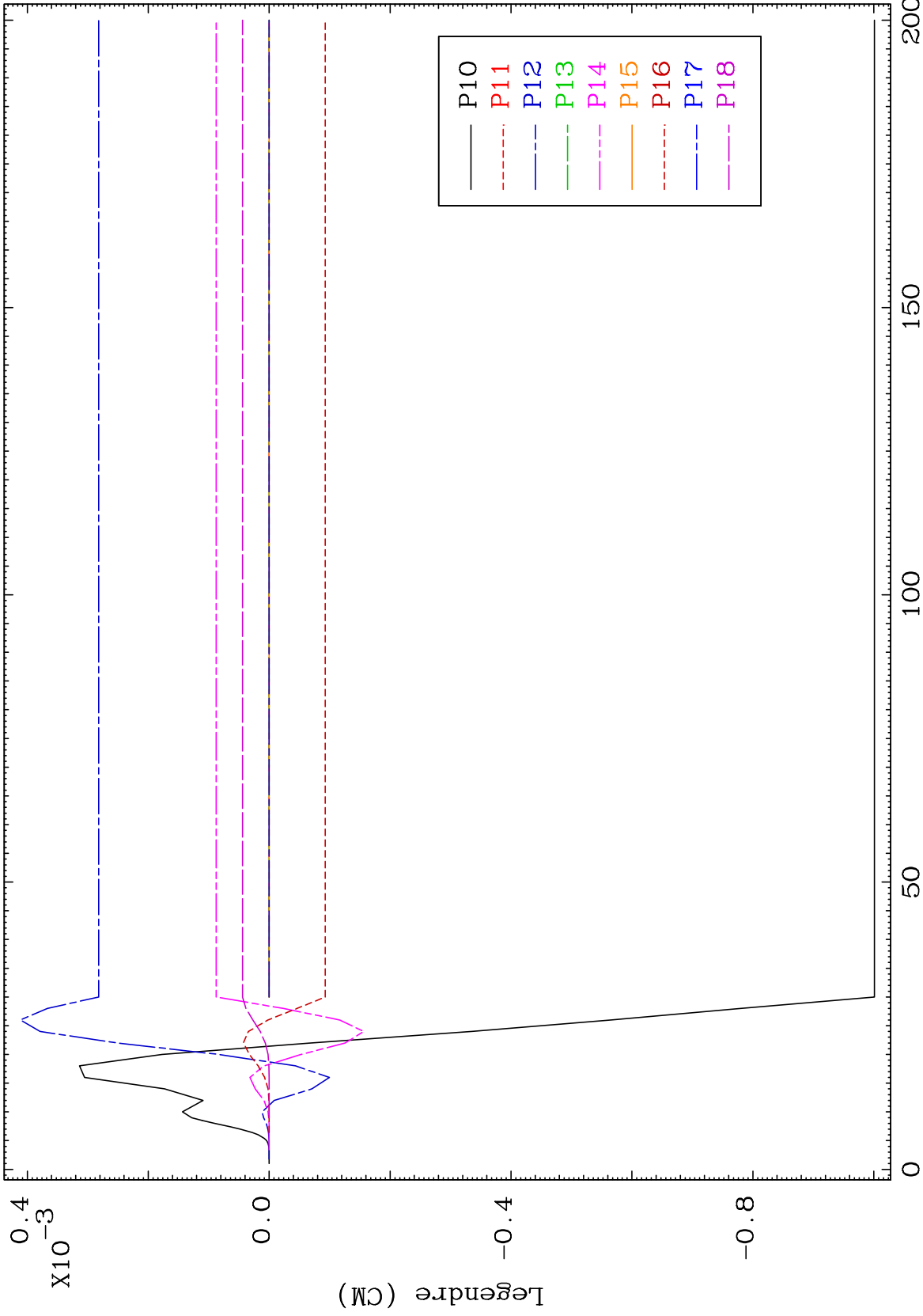


52 Incident Energy (MeV) 65-Tb-154

MAT 6510

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

65-Tb-154

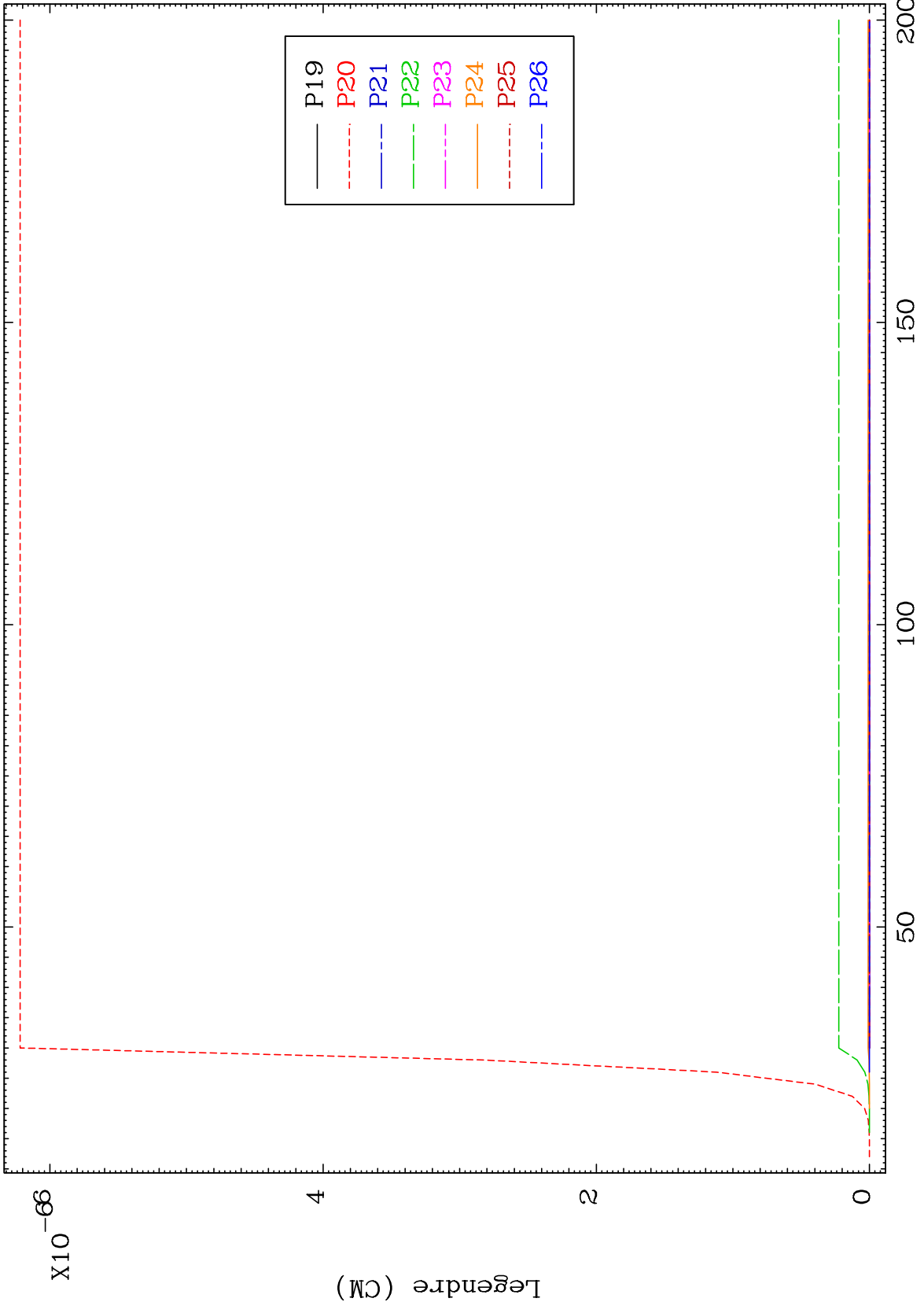


53

Incident Energy (MeV)

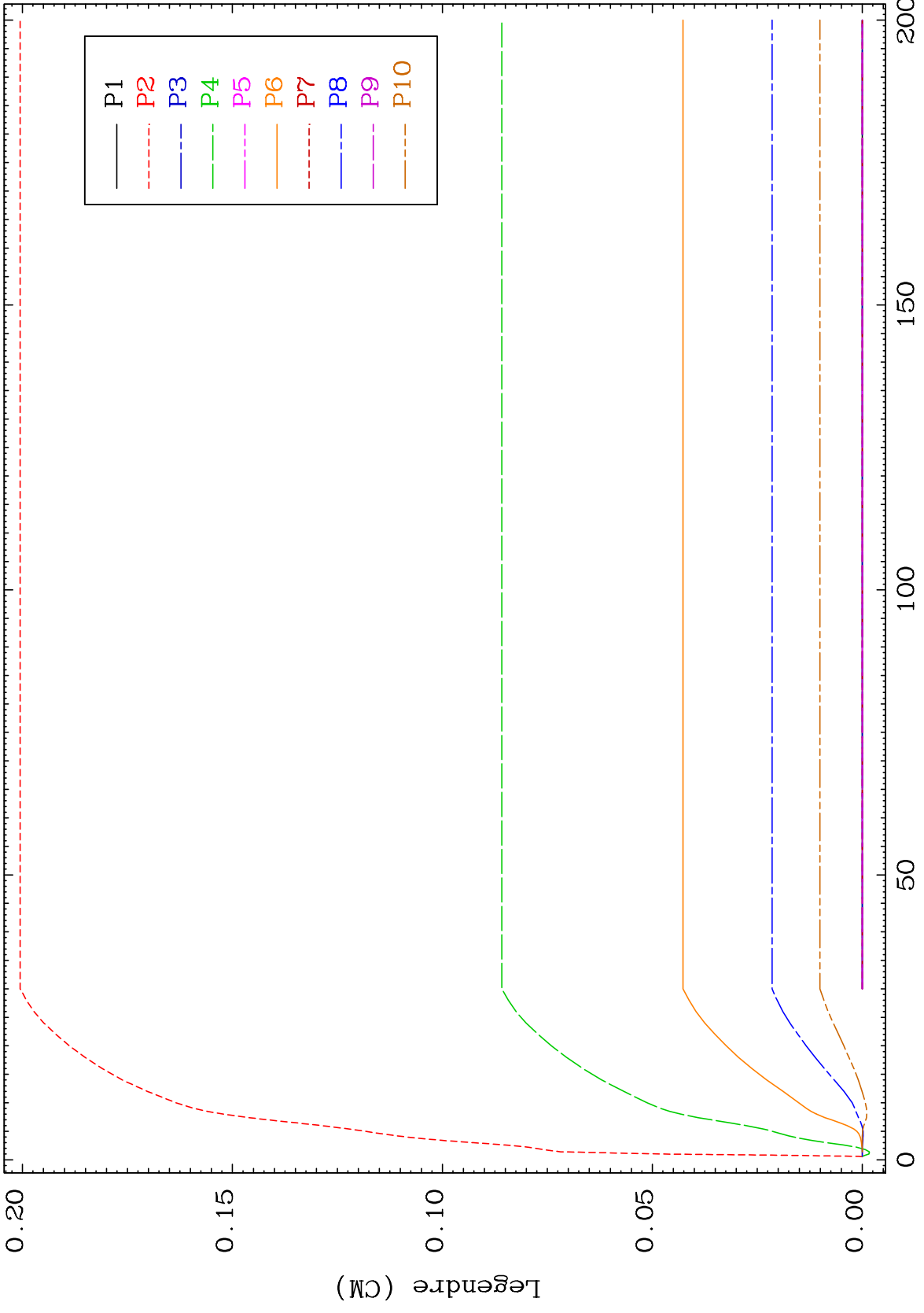
65-Tb-154

MAT 6510 MT= 60 (n,n') Level Legendre Coefficients 65-Tb-154



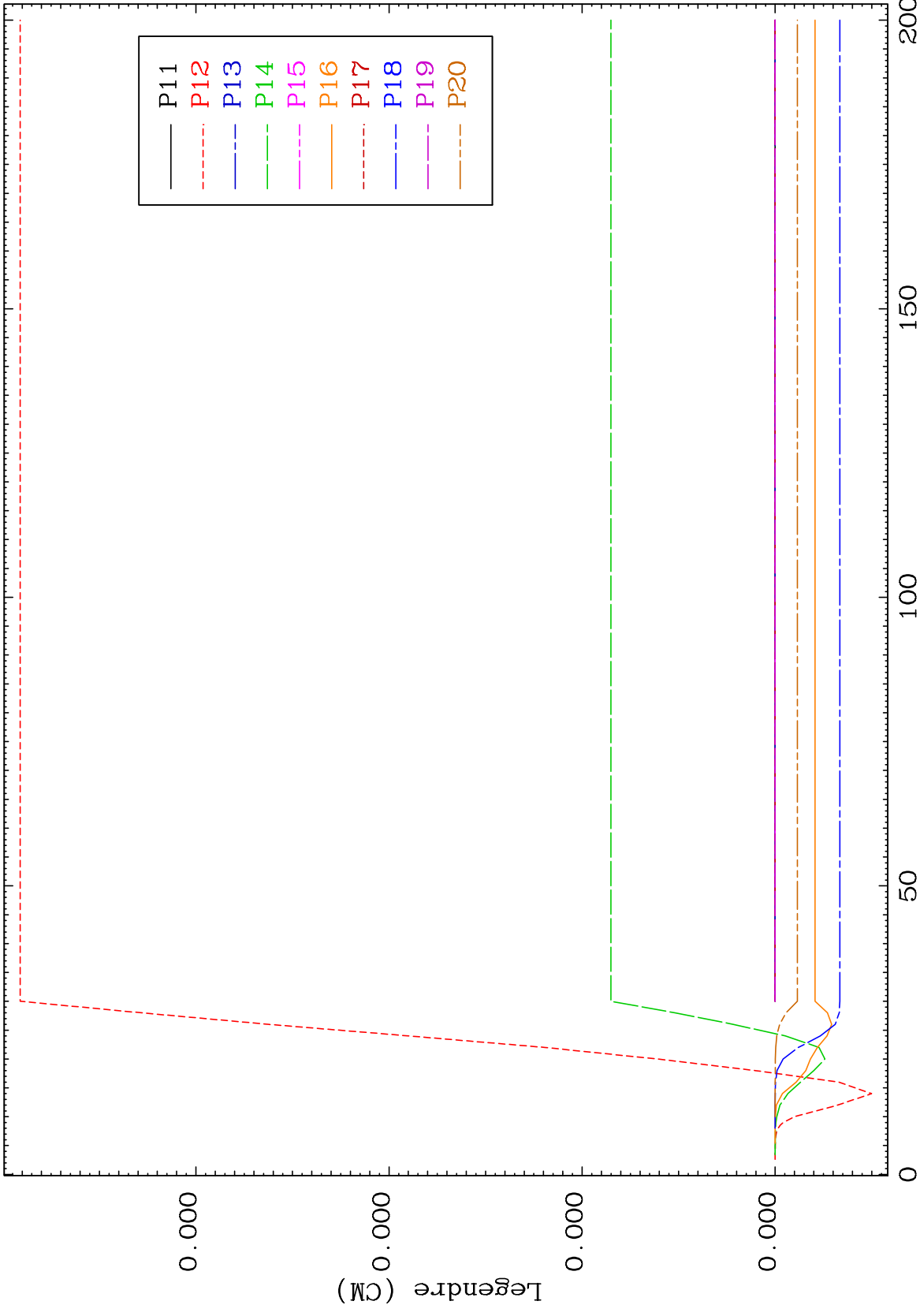
54 Incident Energy (MeV) 65-Tb-154

MAT 6510 MT= 61 (n,n') Level Legendre Coefficients 65-Tb-154



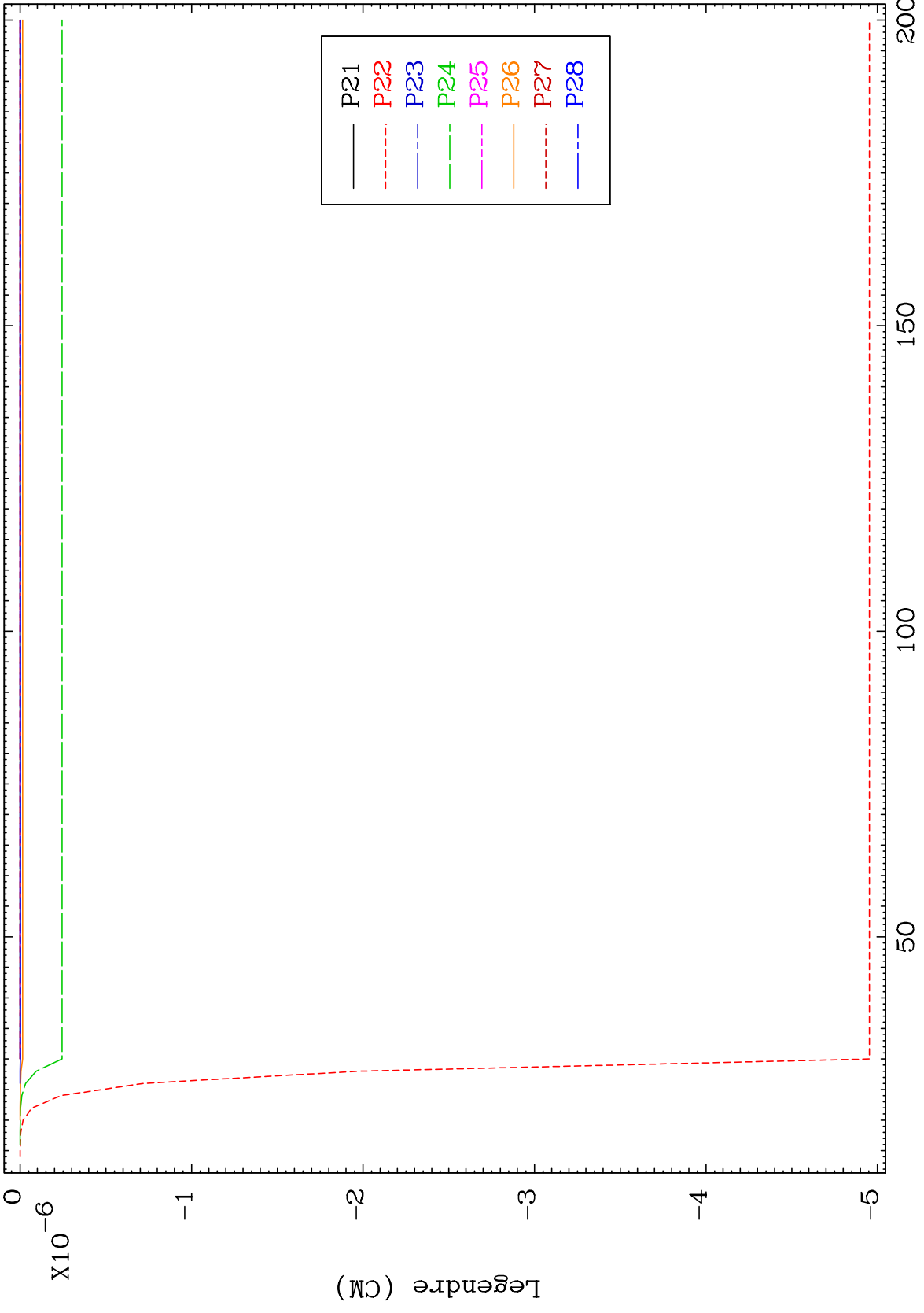
65-Tb-154 Incident Energy (MeV)

MAT 6510 MT= 61 (n,n') Level Legendre Coefficients 65-Tb-154

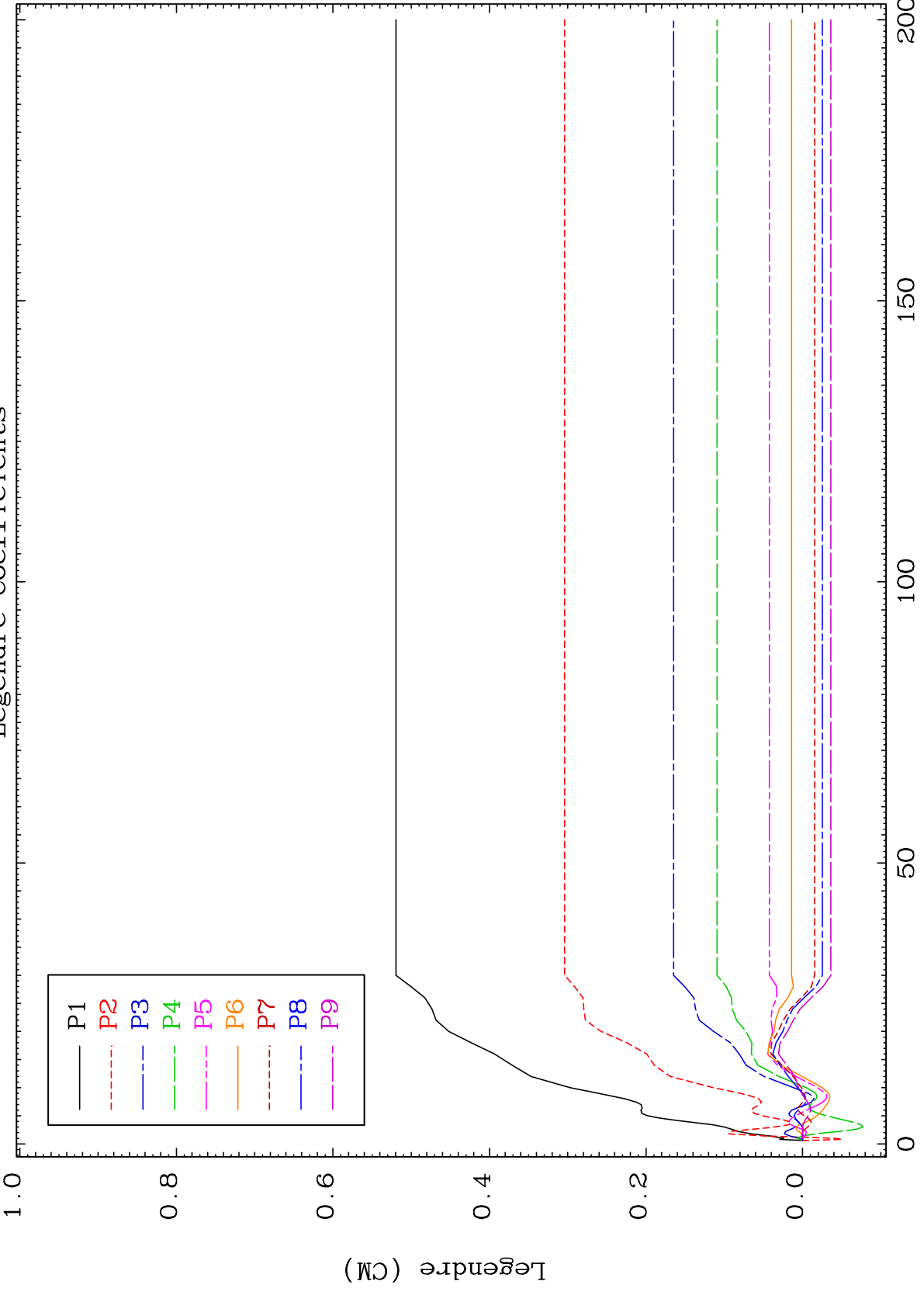


56 Incident Energy (MeV) 65-Tb-154

MAT 6510 MT= 61 (n,n') Level Legendre Coefficients 65-Tb-154

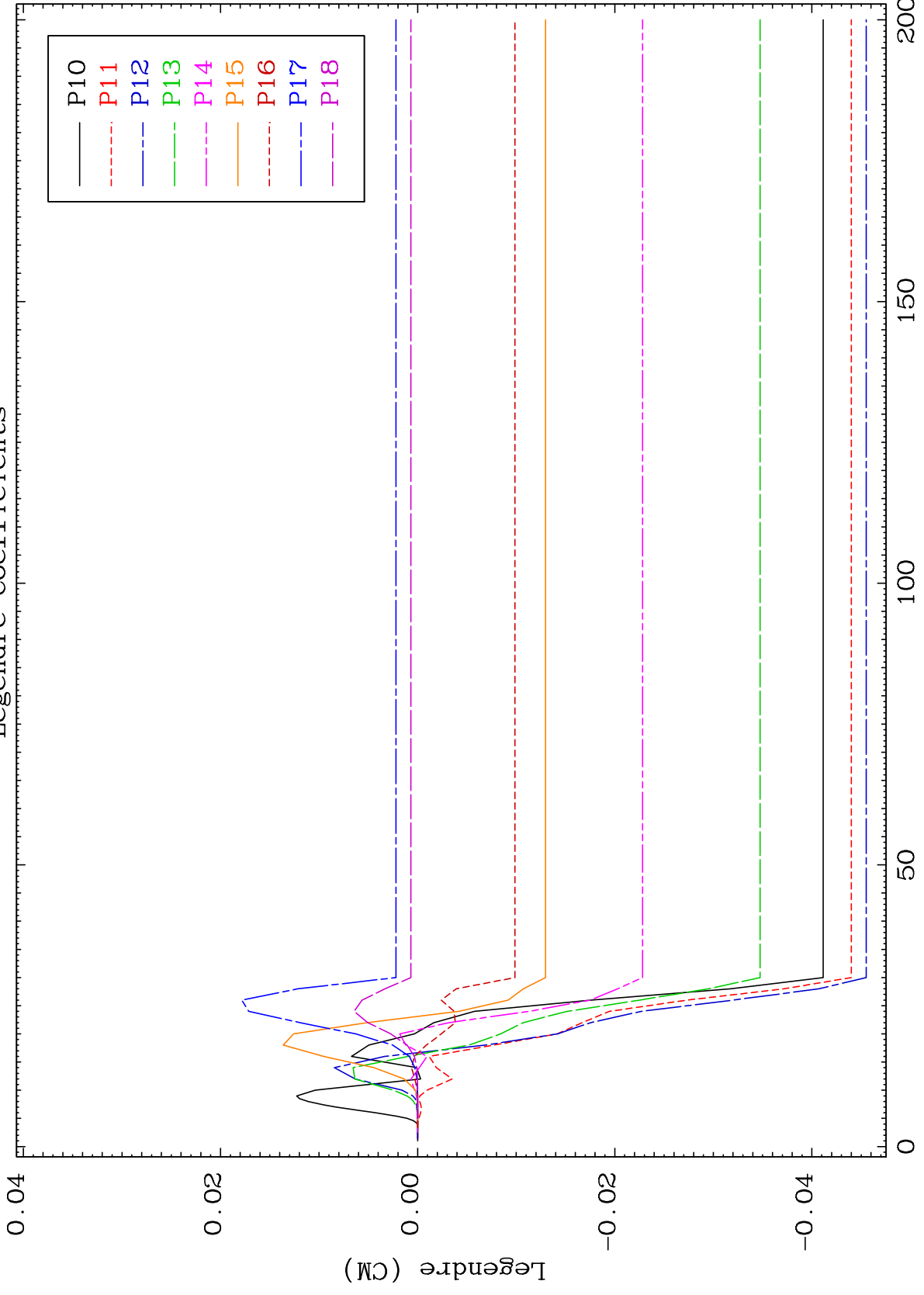


MAT 6510 MT= 62 (n,n') Level Legendre Coefficients 65-Tb-154



58 Incident Energy (MeV) 65-Tb-154

MAT 6510 MT= 62 (n,n') Level Legendre Coefficients 65-Tb-154

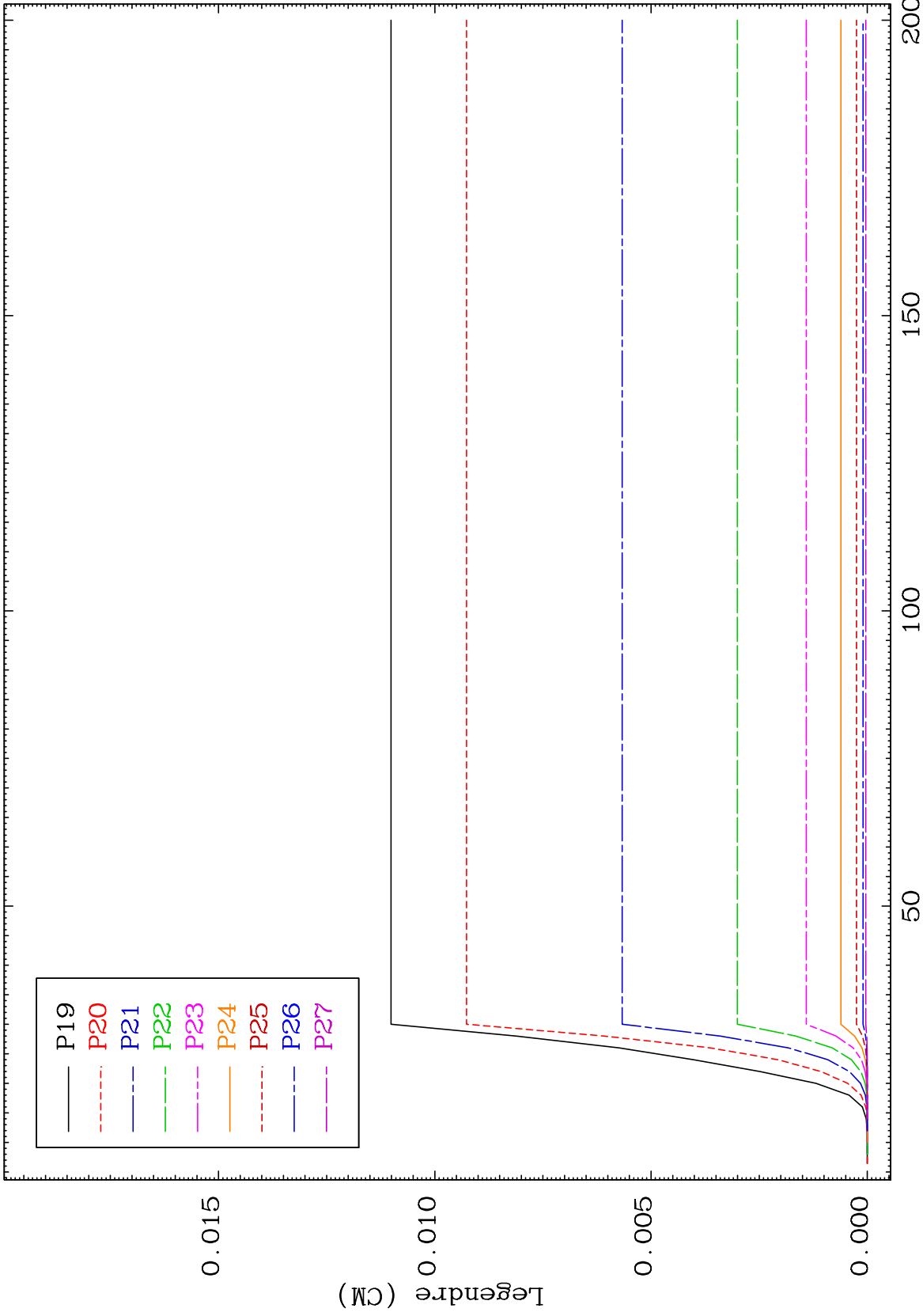


59 65-Tb-154

MAT 6510

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

65-Tb-154



60

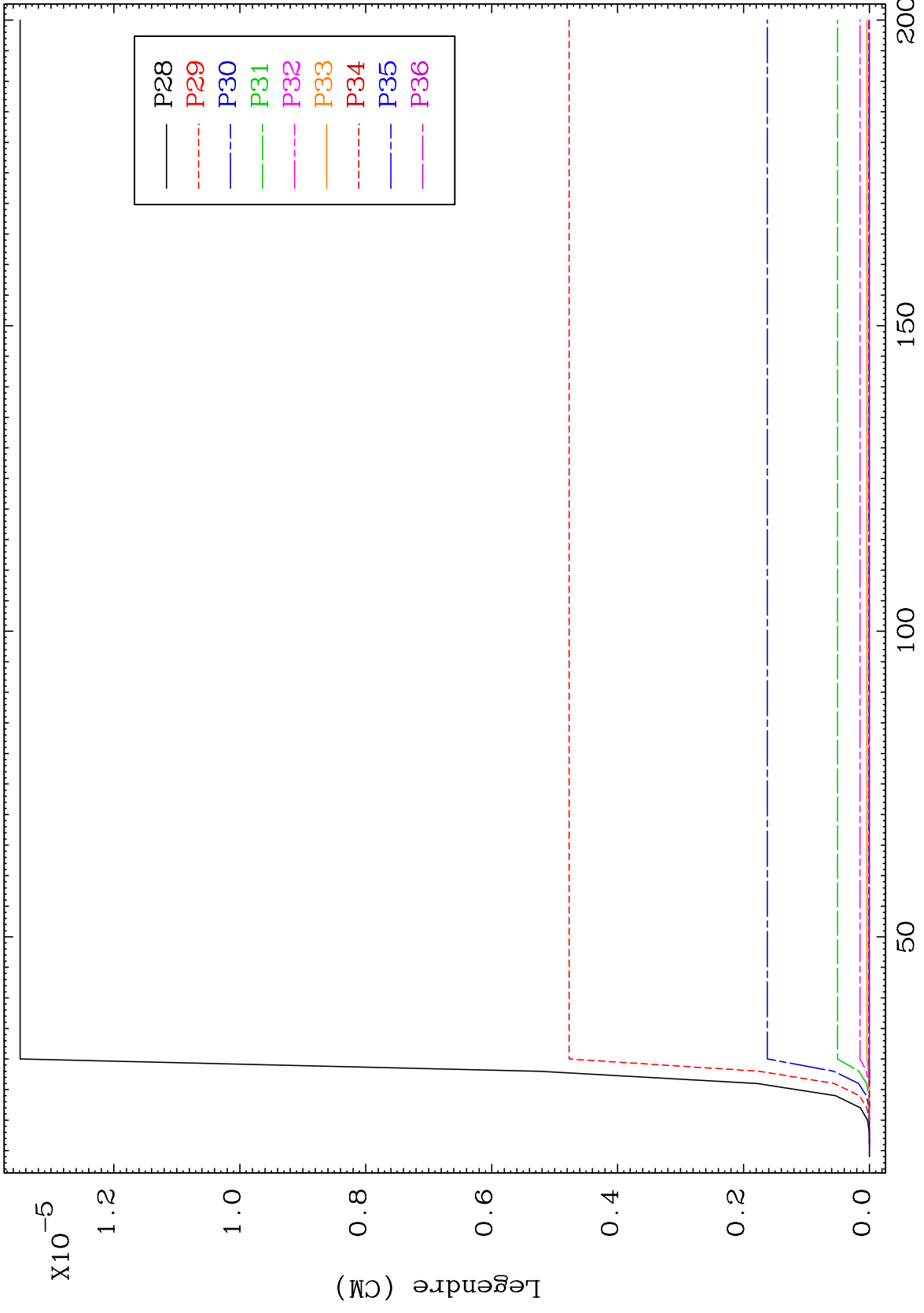
Incident Energy (MeV)

65-Tb-154

MAT 6510

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

65-Tb-154



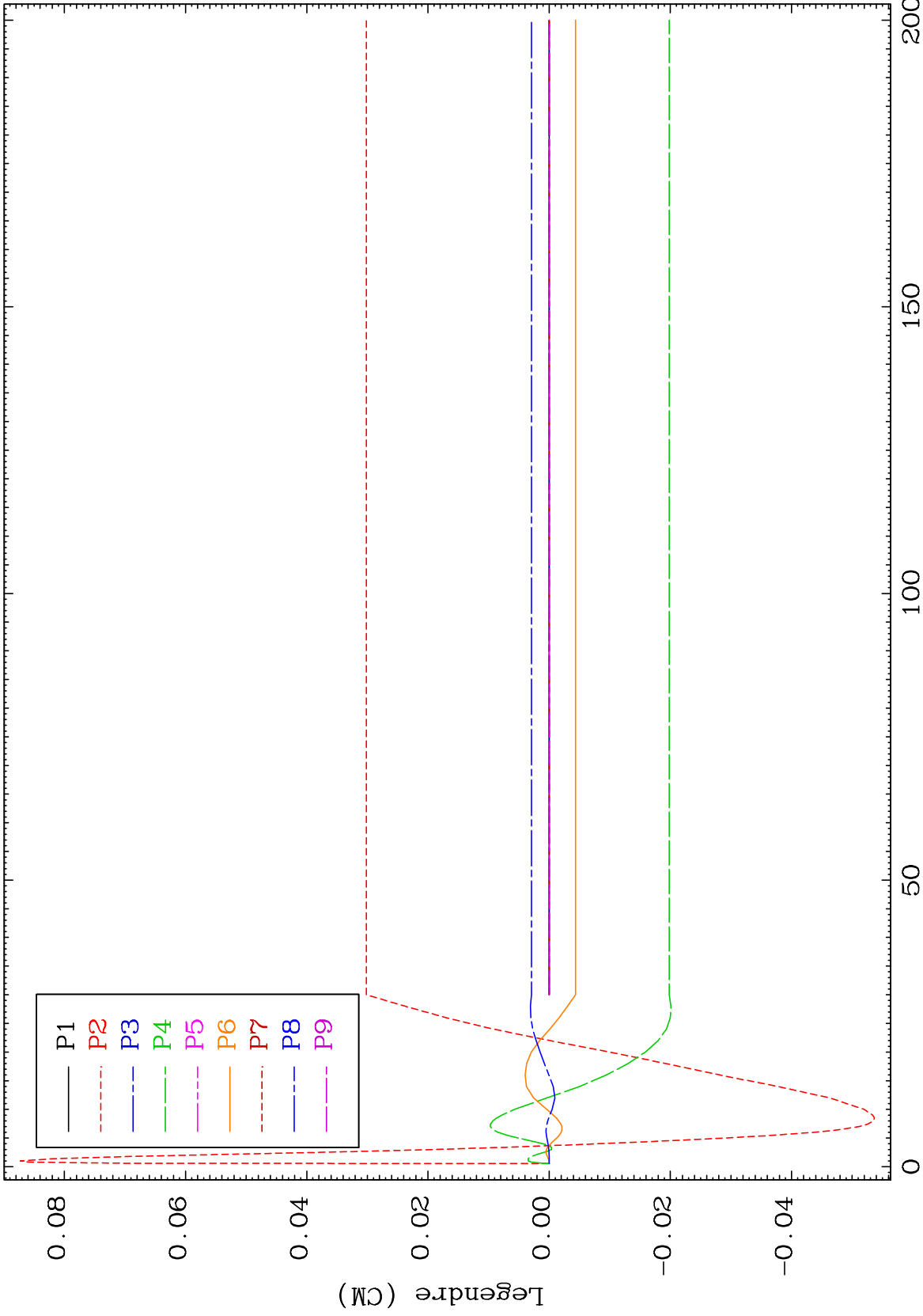
61

65-Tb-154

MAT 6510

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

65-Tb-154



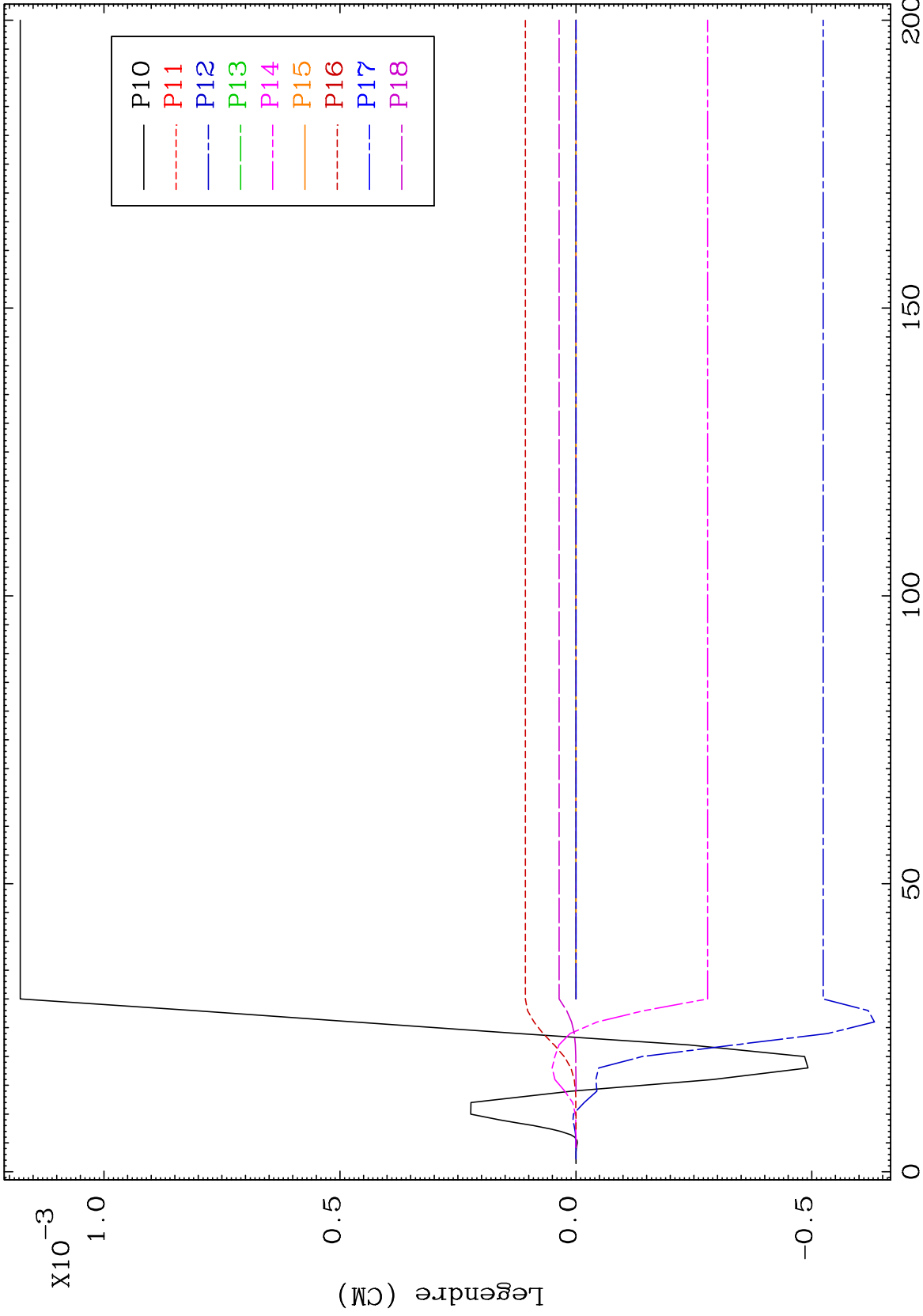
62

65-Tb-154

MAT 6510

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

65-Tb-154

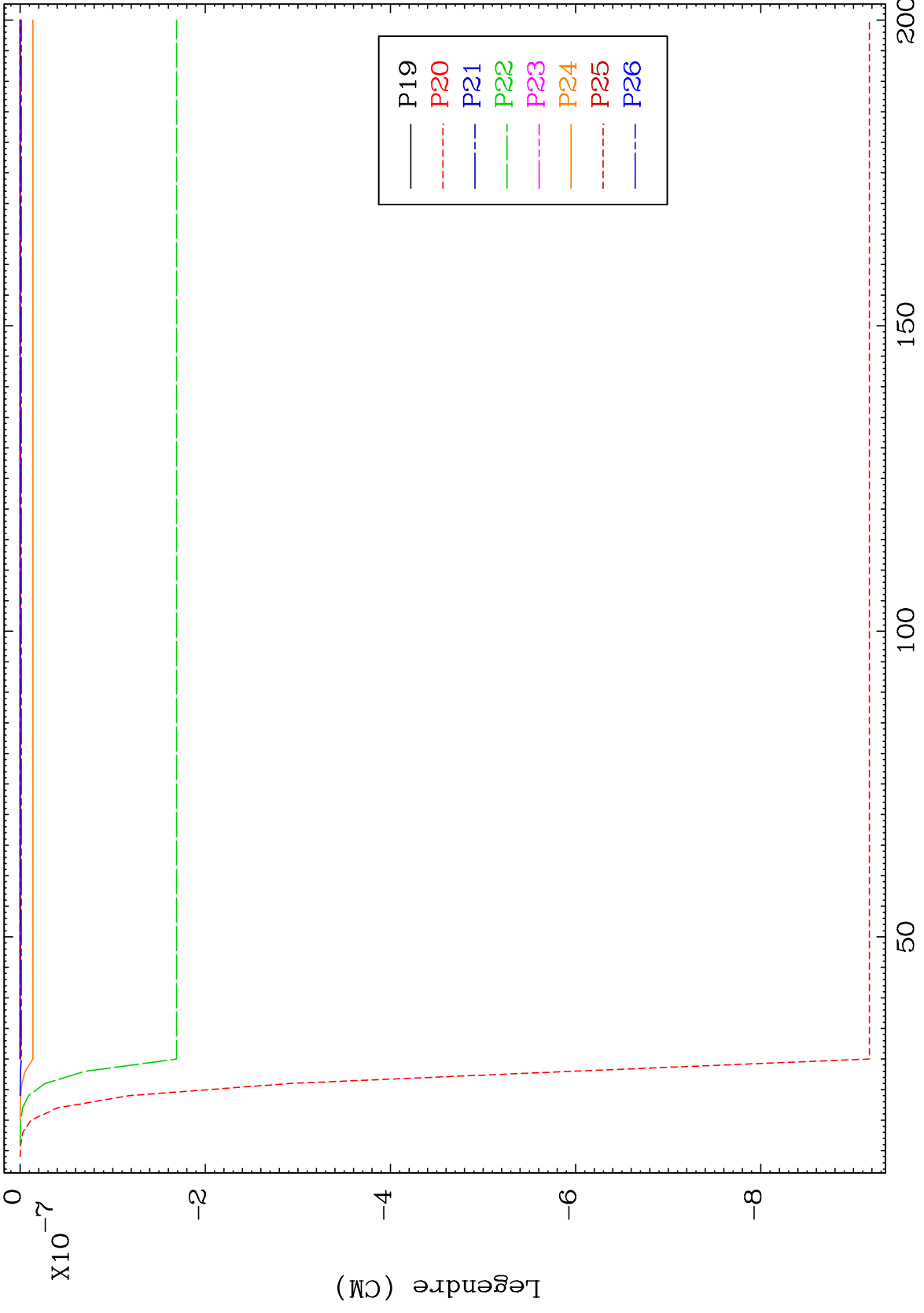


63

Incident Energy (MeV)

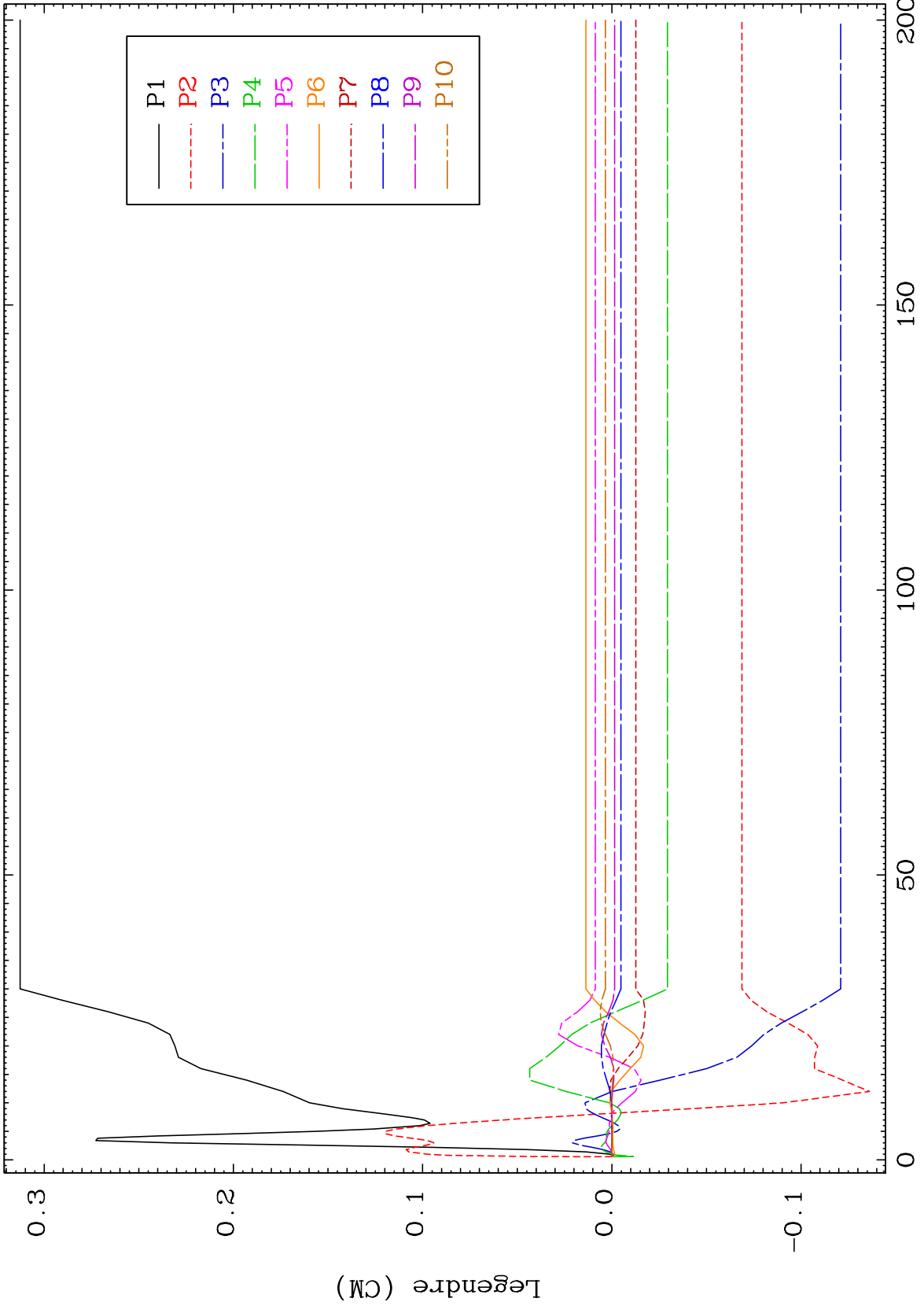
65-Tb-154

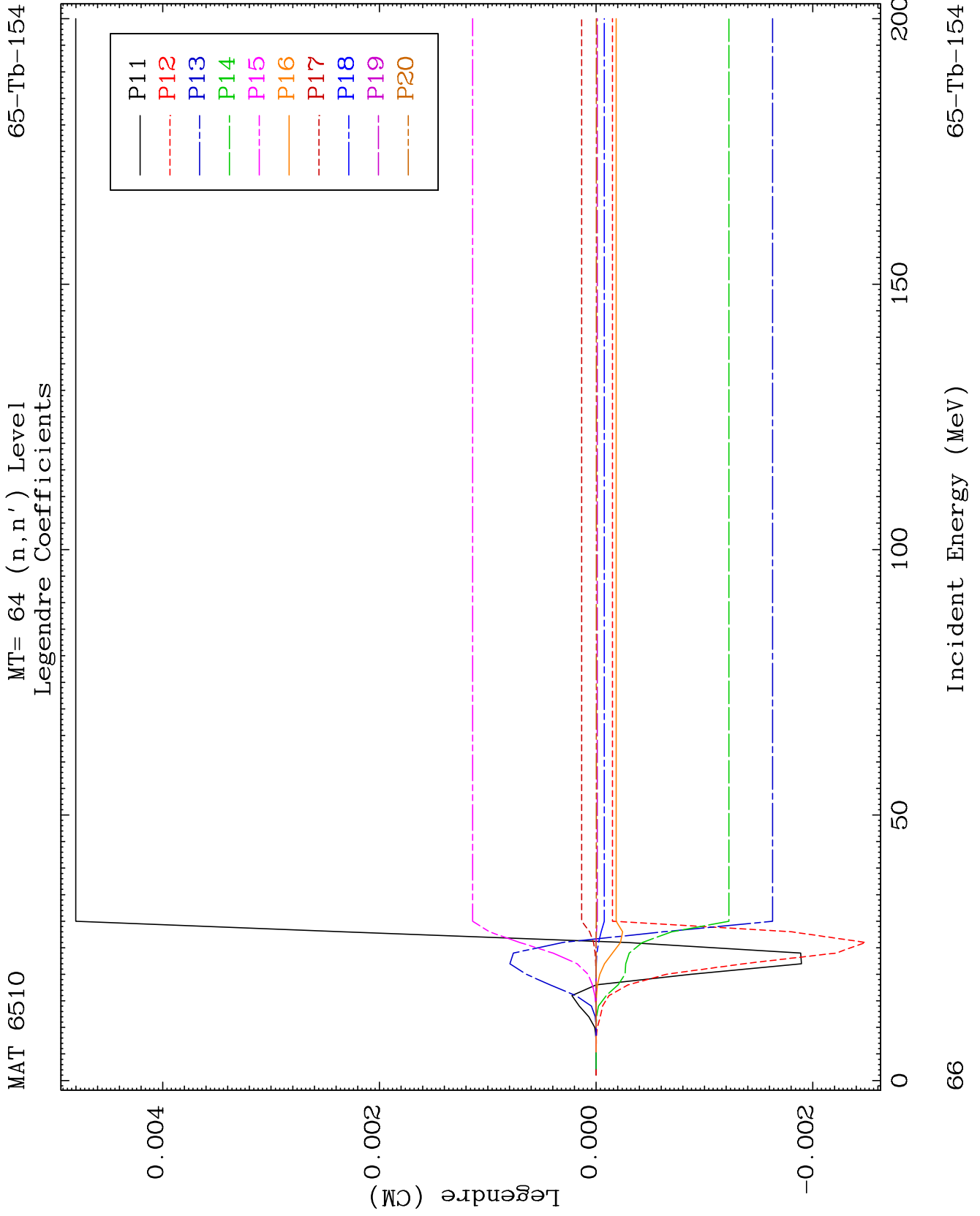
MAT 6510 MT= 63 (n,n') Level Legendre Coefficients 65-Tb-154



64 65-Tb-154

MAT 6510 MT= 64 (n,n') Level Legendre Coefficients 65-Tb-154



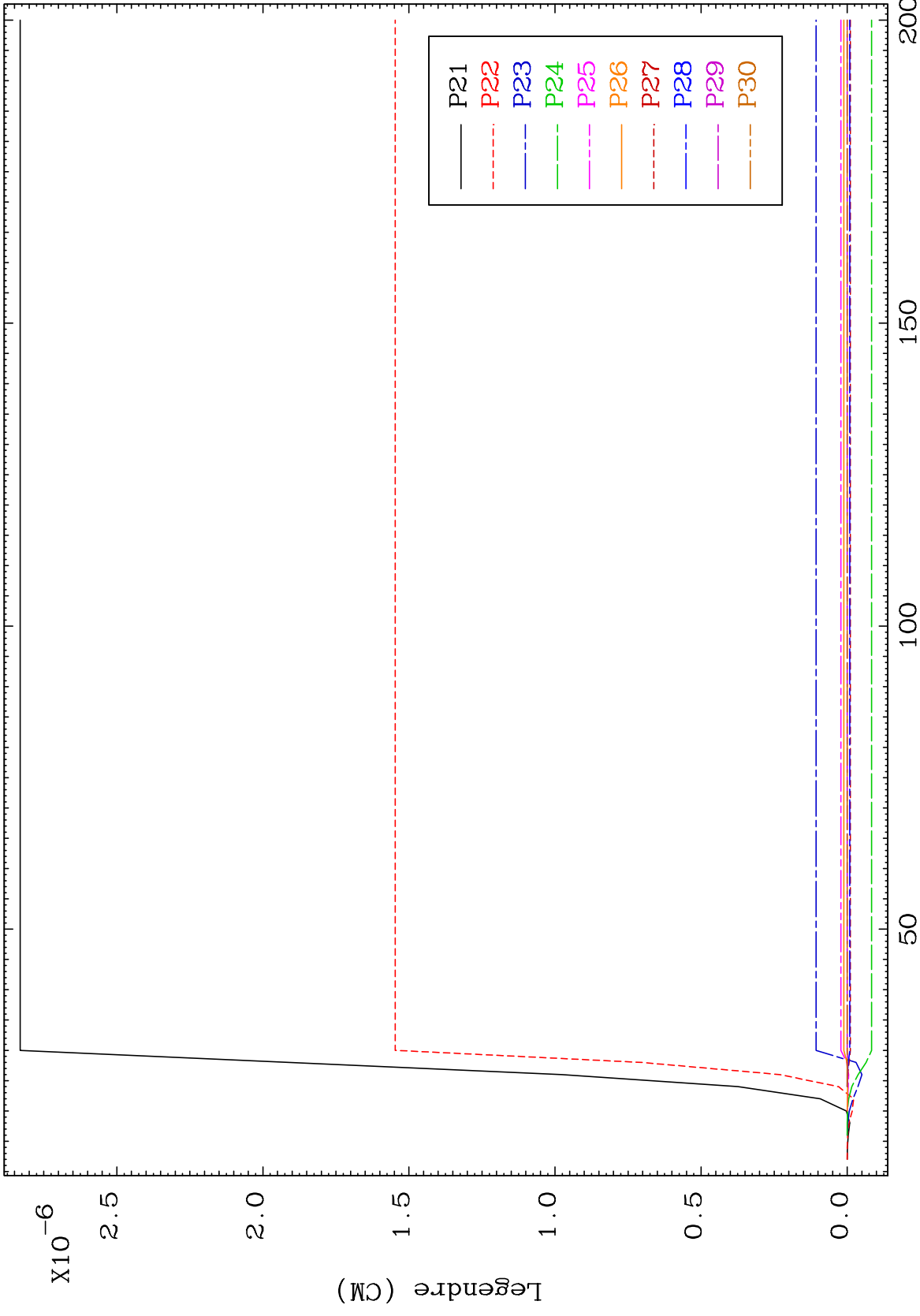


MAT 6510

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

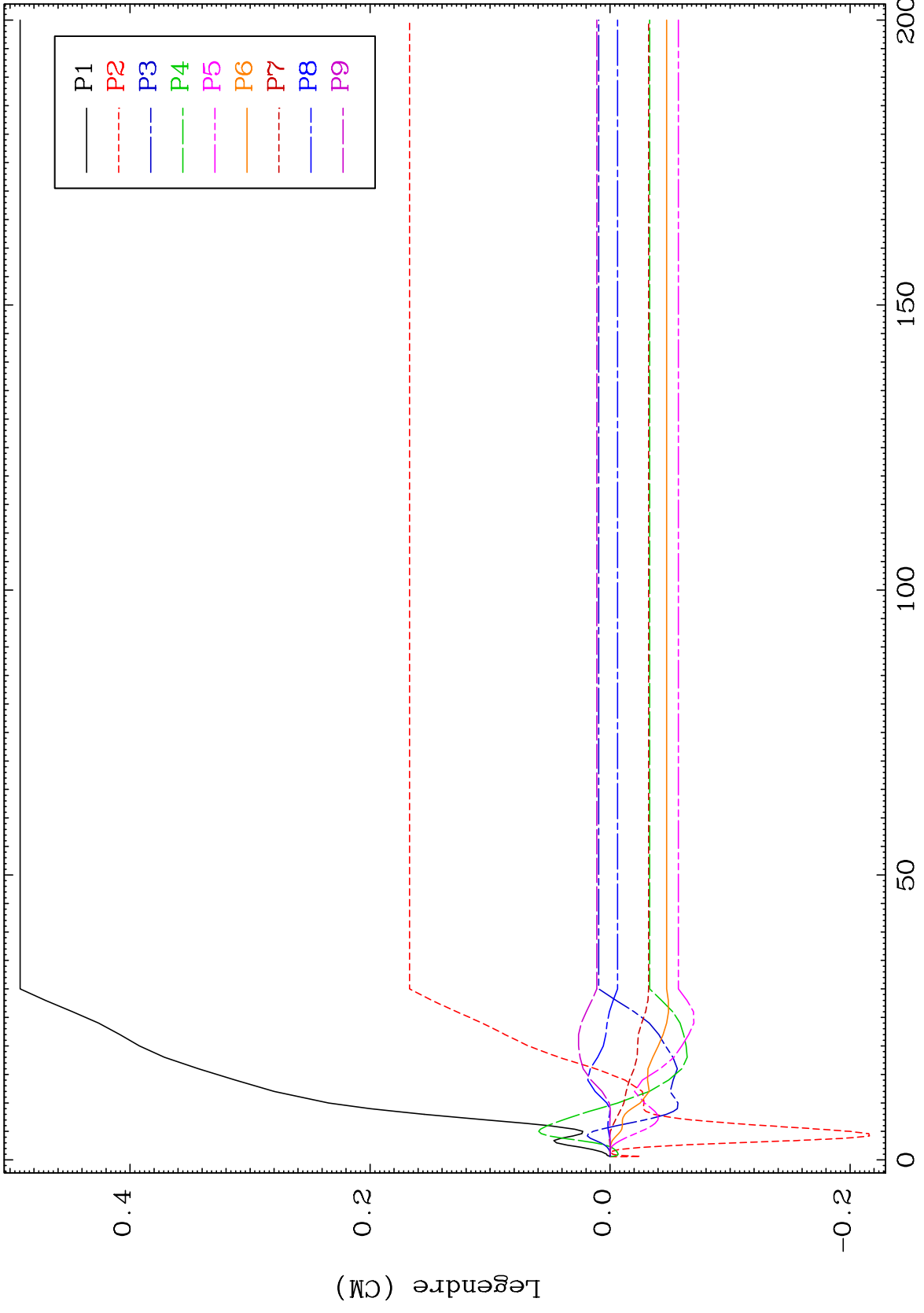
65-Tb-154

65-Tb-154



67

MAT 6510 MT= 65 (n,n') Level Legendre Coefficients 65-Tb-154

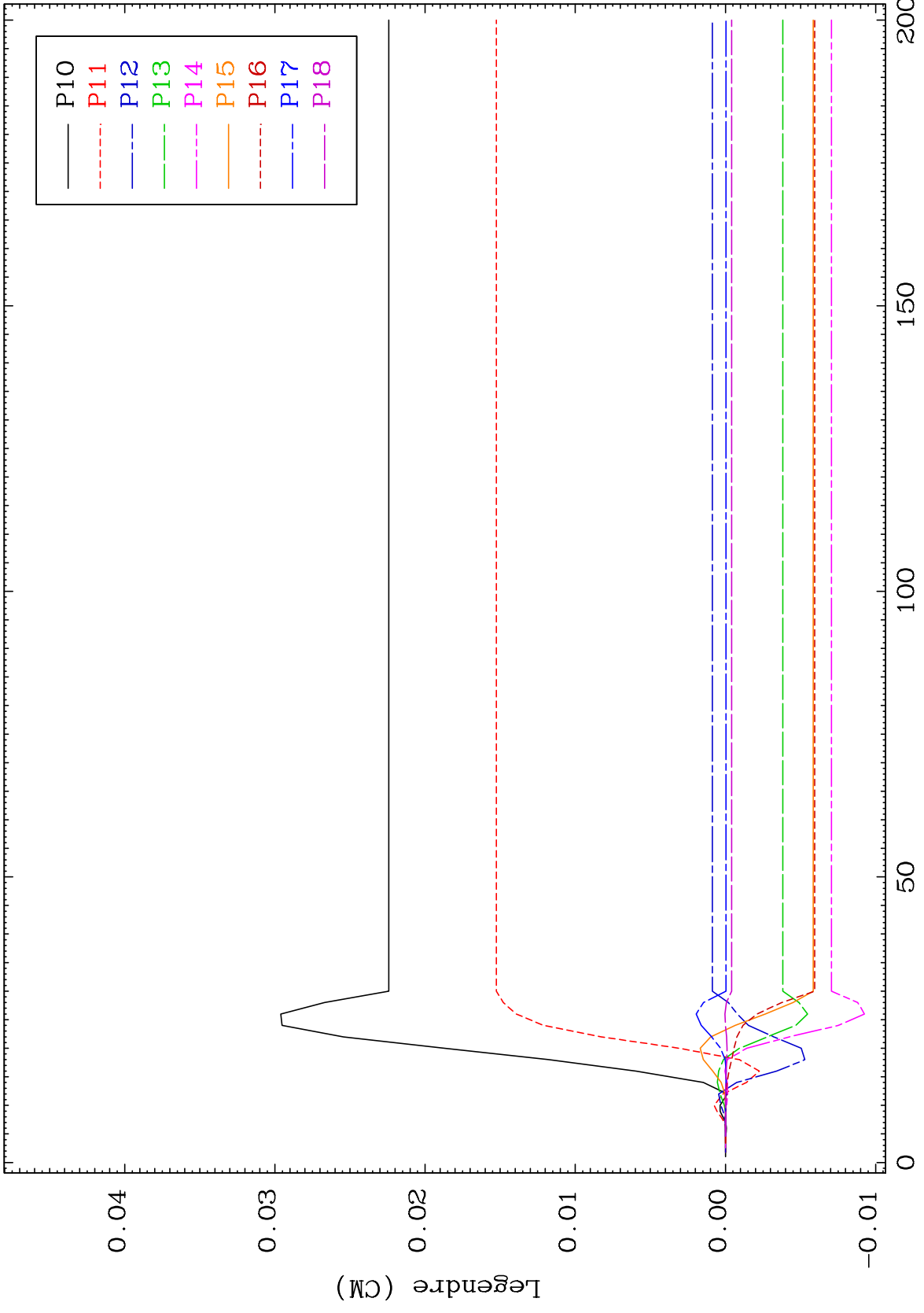


68 65-Tb-154 Incident Energy (MeV)

MAT 6510

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

65-Tb-154



69

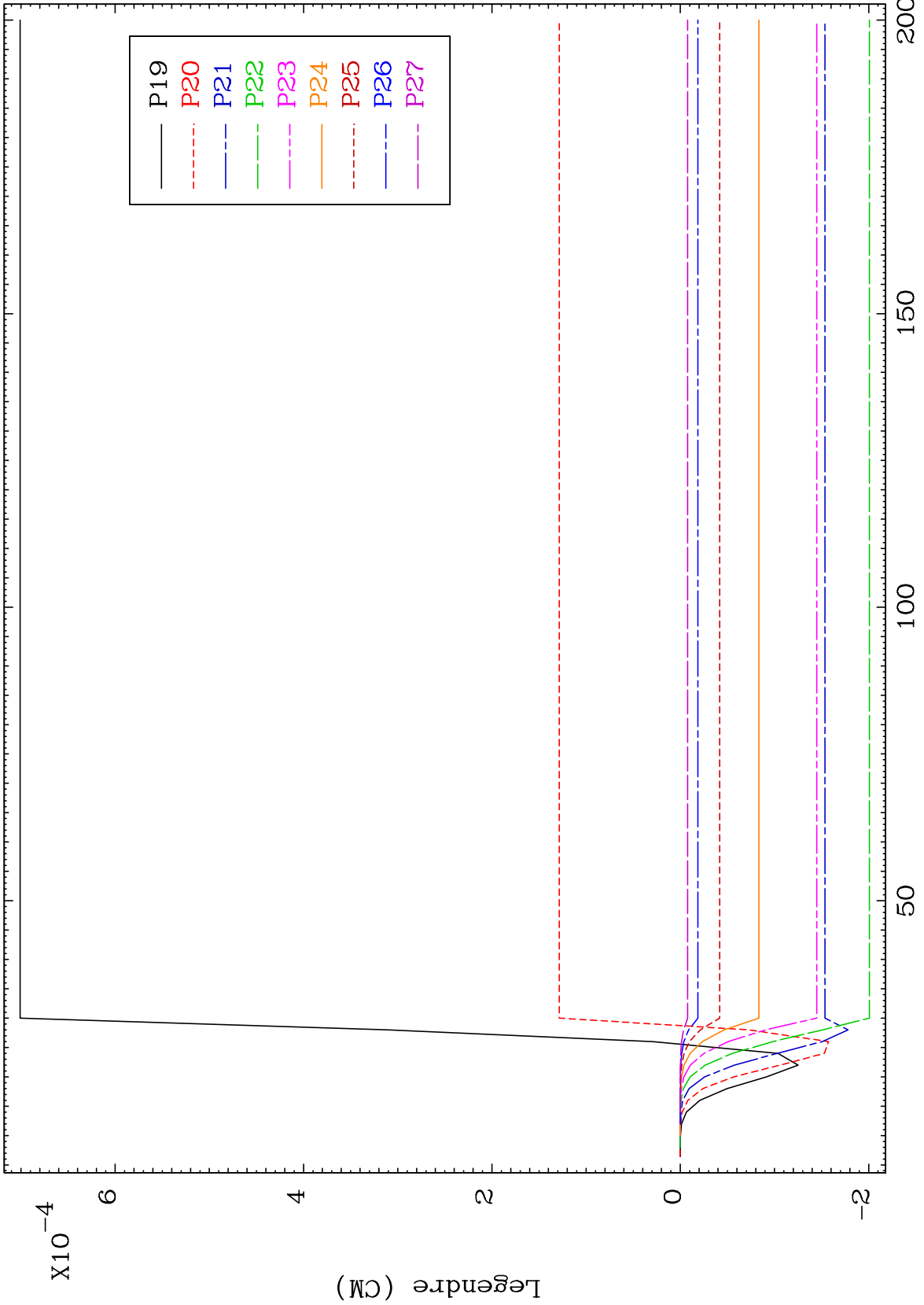
Incident Energy (MeV)

65-Tb-154

MAT 6510

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

65-Tb-154



70

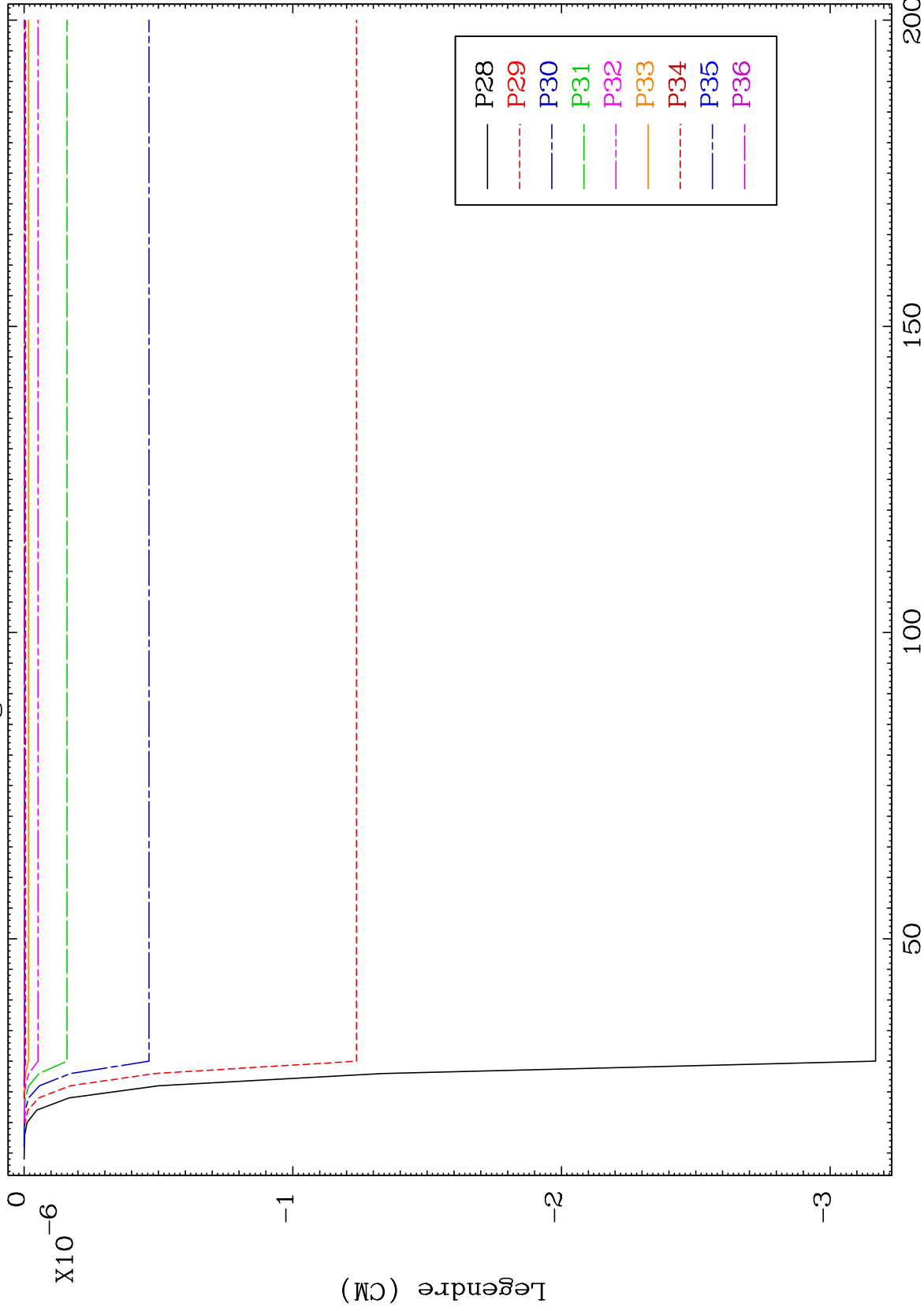
Incident Energy (MeV)

65-Tb-154

MAT 6510

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

65-Tb-154

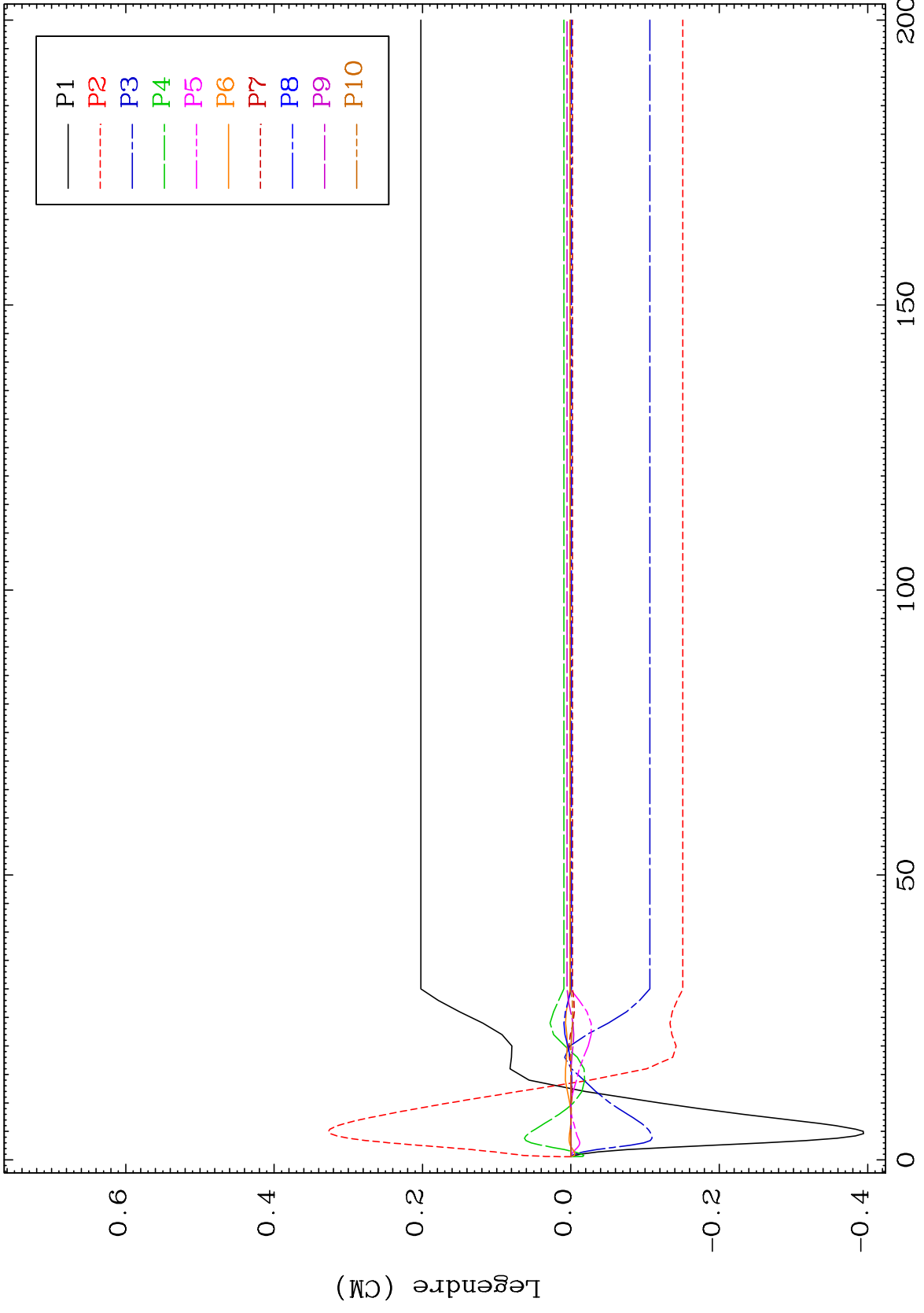


65-Tb-154

Incident Energy (MeV)

71

MAT 6510 MT= 66 (n,n') Level Legendre Coefficients 65-Tb-154

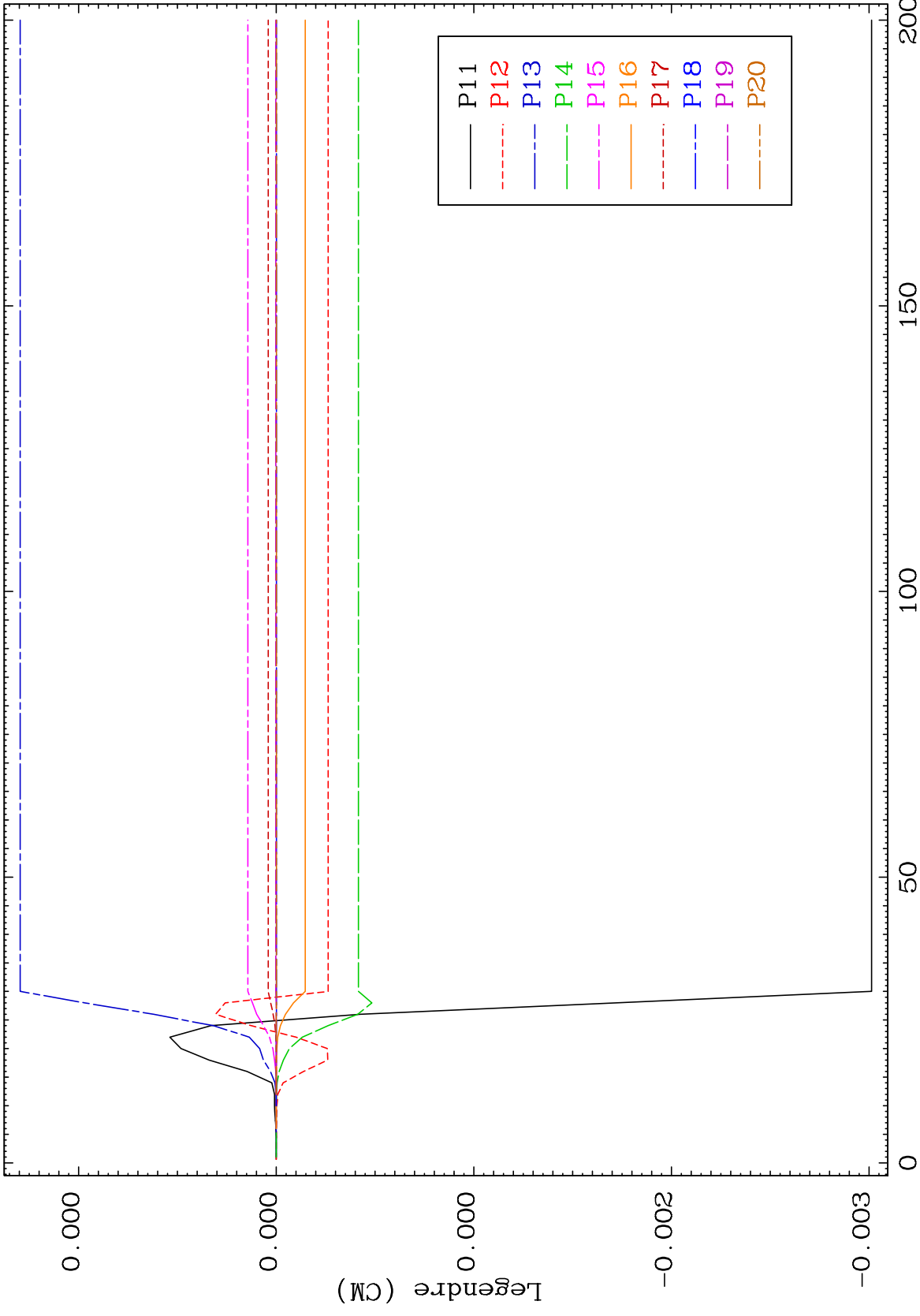


72 65-Tb-154

MAT 6510

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

65-Tb-154

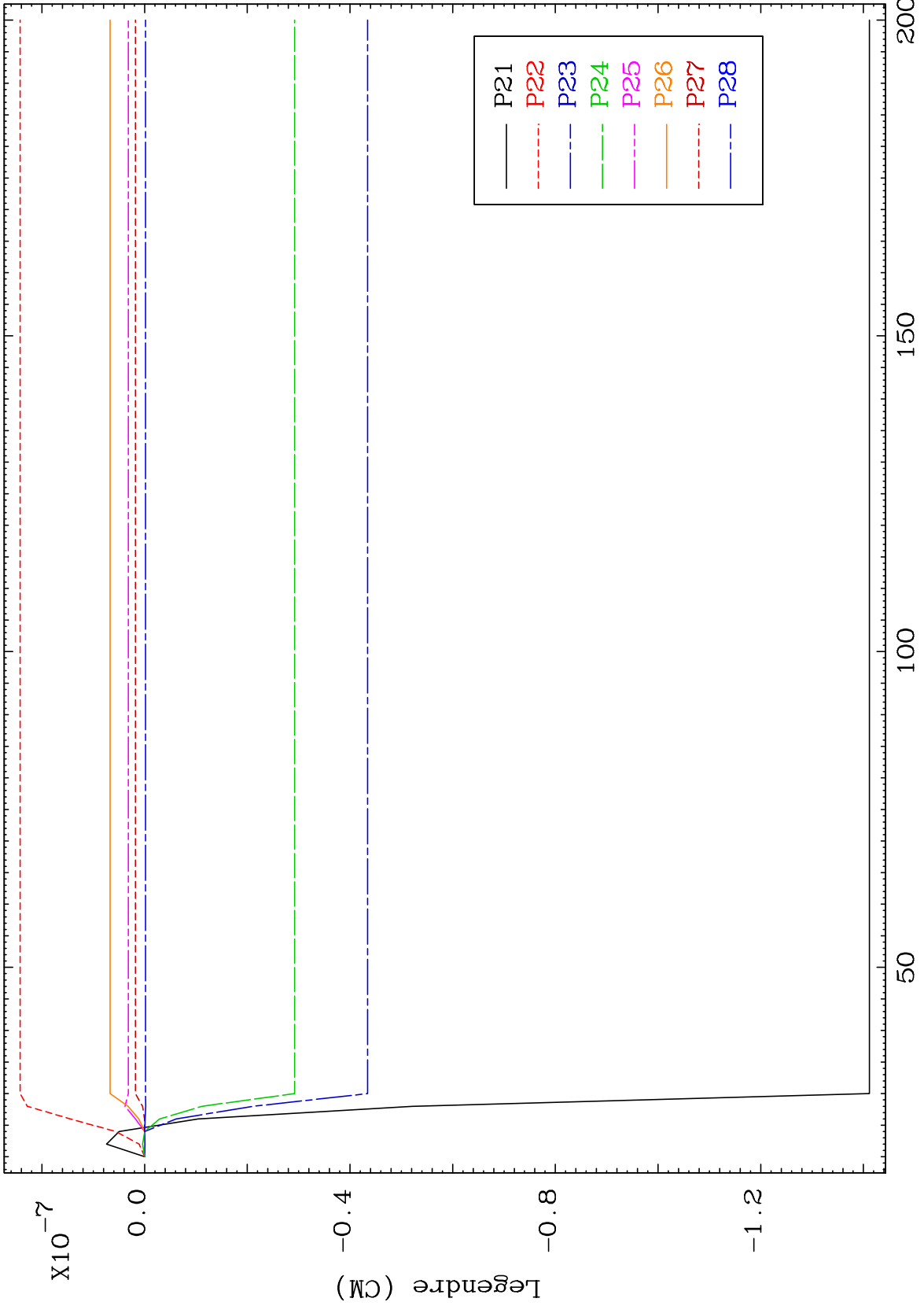


73

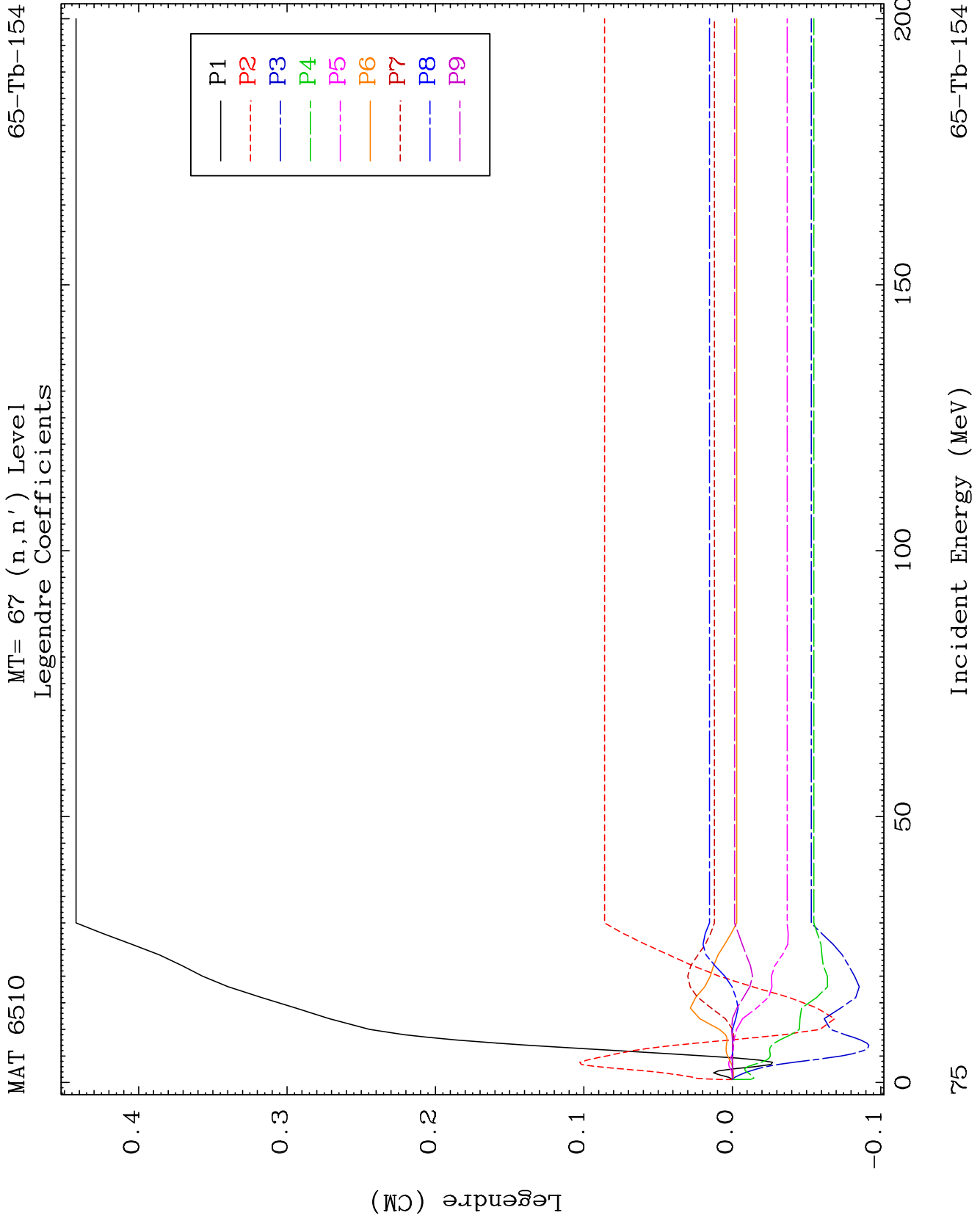
Incident Energy (MeV)

65-Tb-154

MAT 6510 MT= 66 (n,n') Level Legendre Coefficients 65-Tb-154



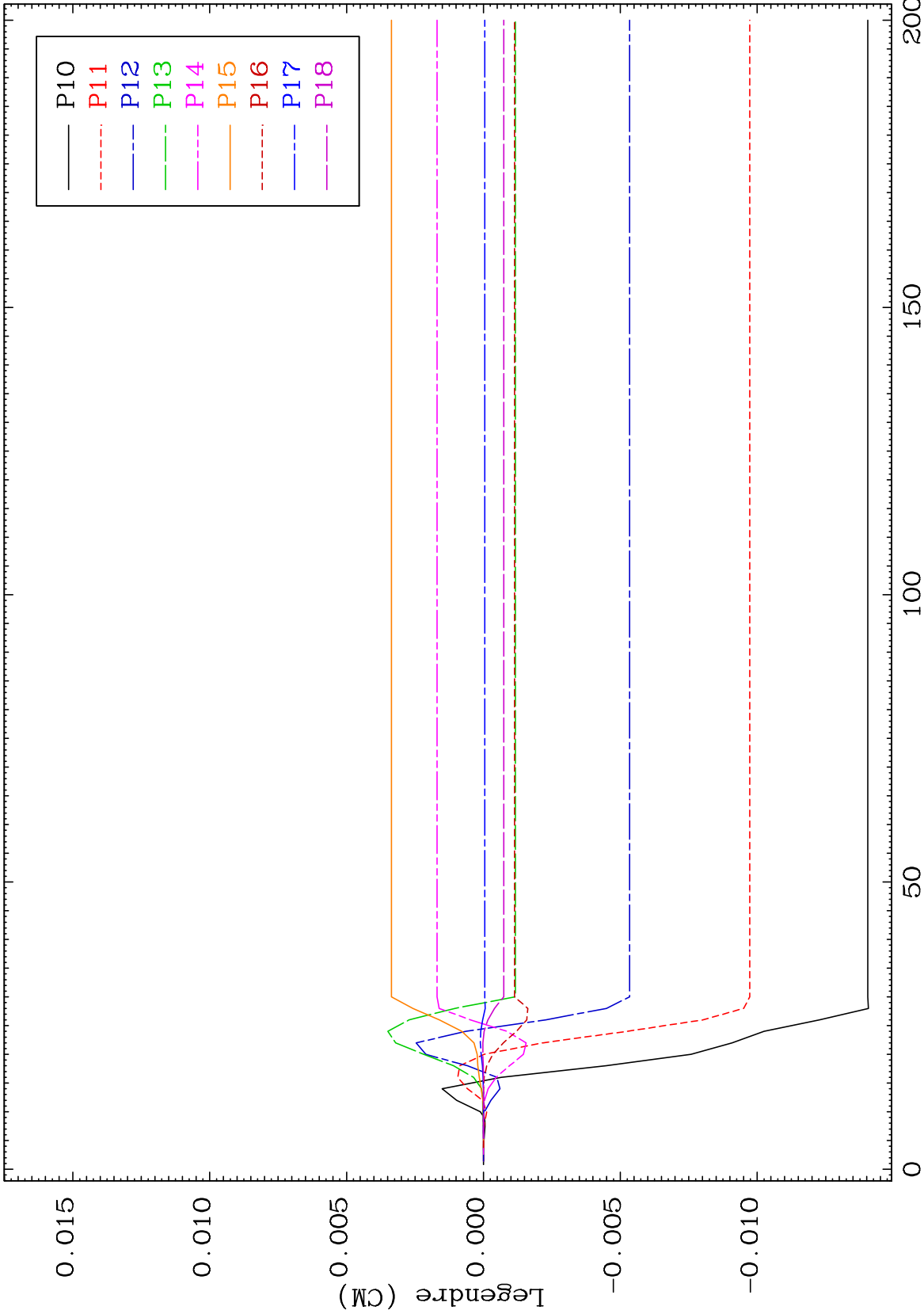
74 65-Tb-154



MAT 6510

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

65-Tb-154



76

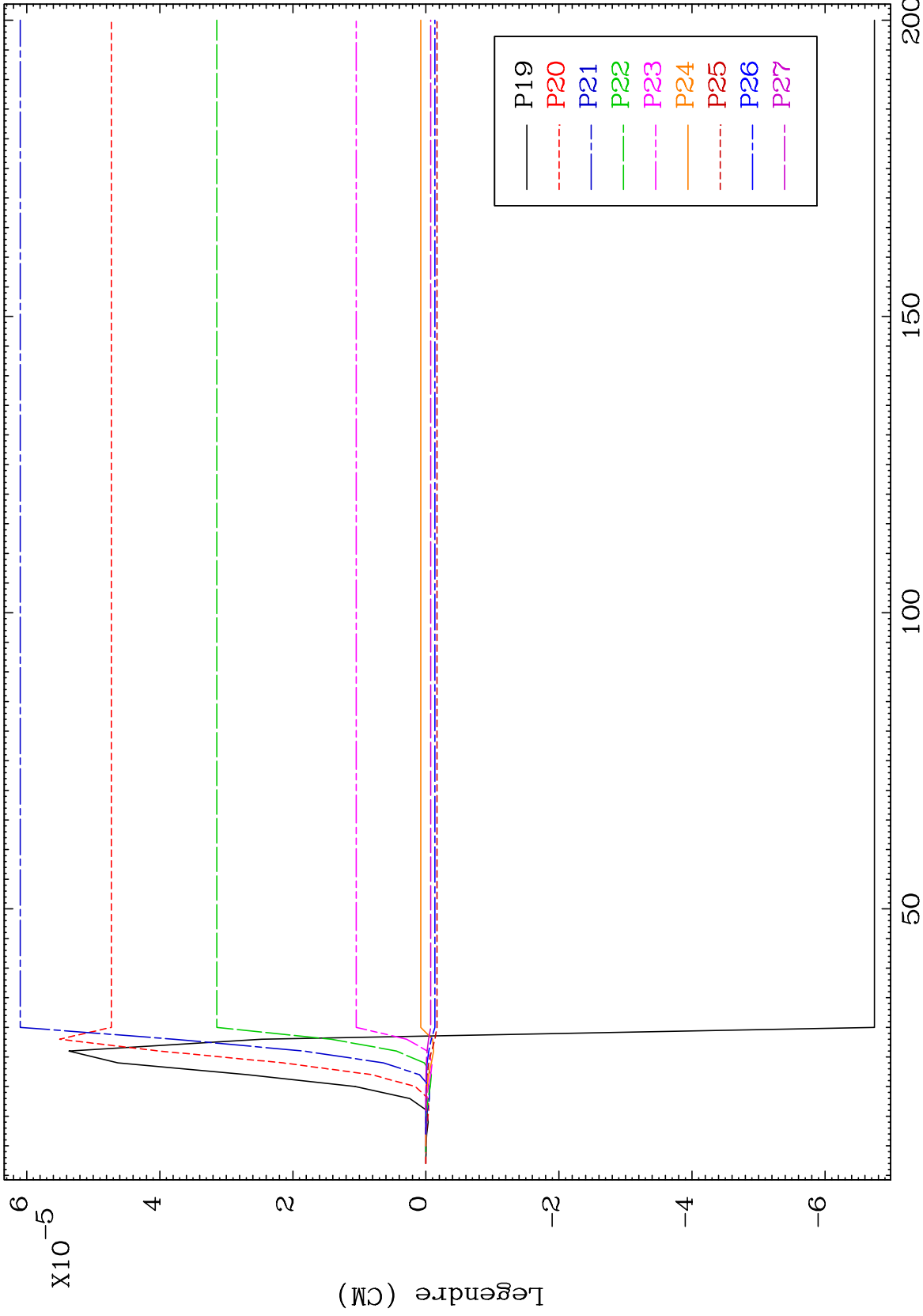
Incident Energy (MeV)

65-Tb-154

MAT 6510

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

65-Tb-154

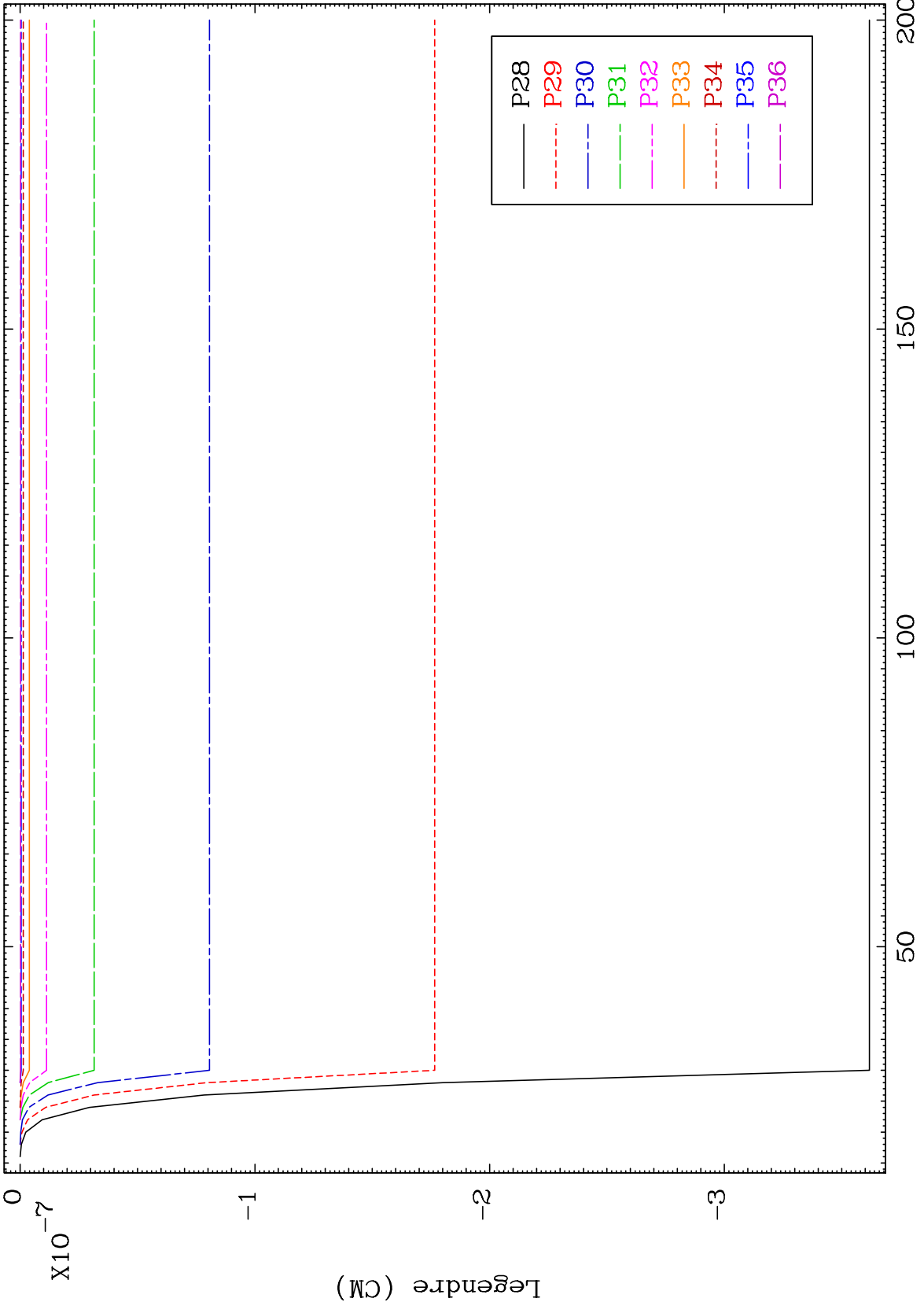


65-Tb-154

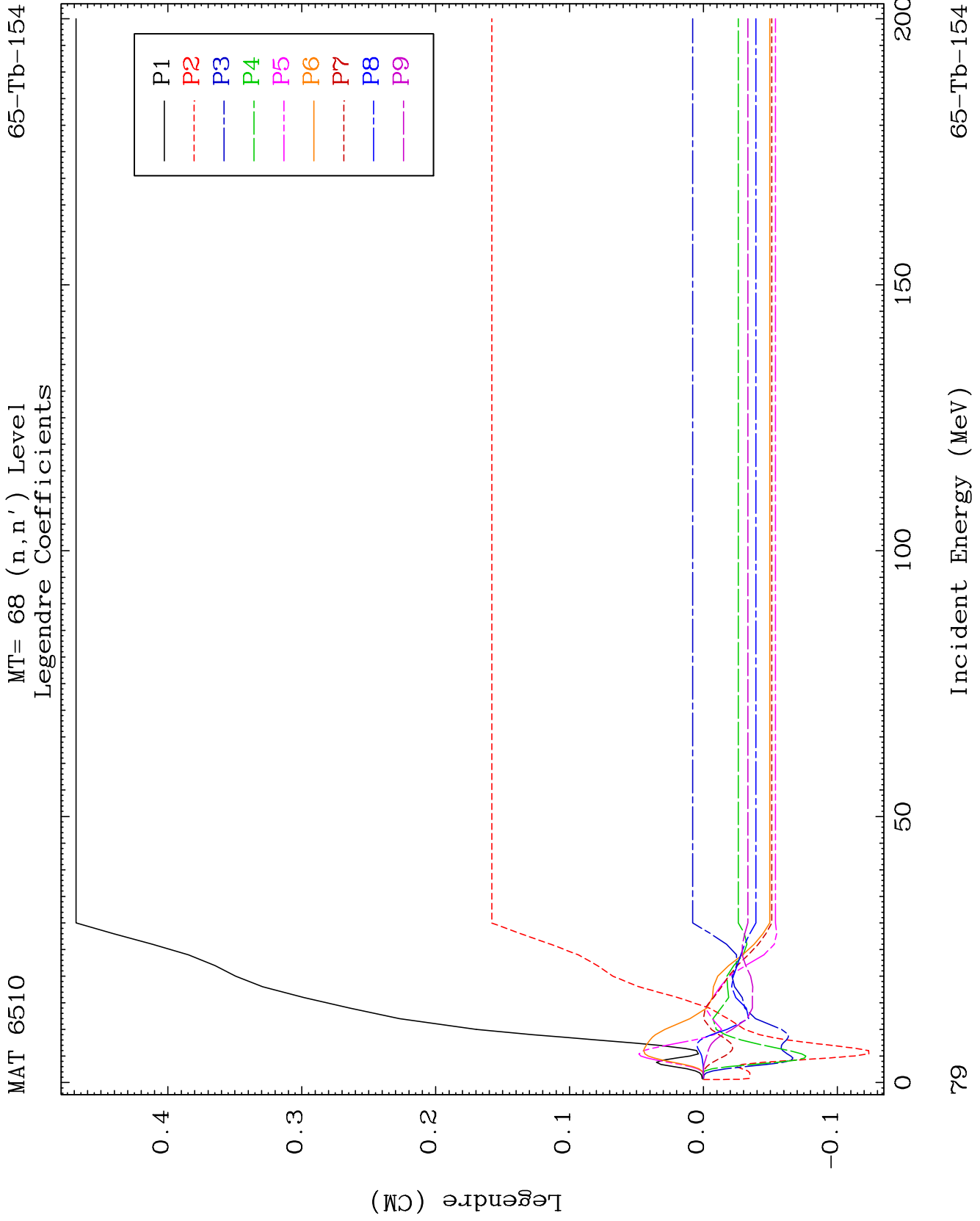
Incident Energy (MeV)

77

MAT 6510 MT= 67 (n,n') Level Legendre Coefficients 65-Tb-154



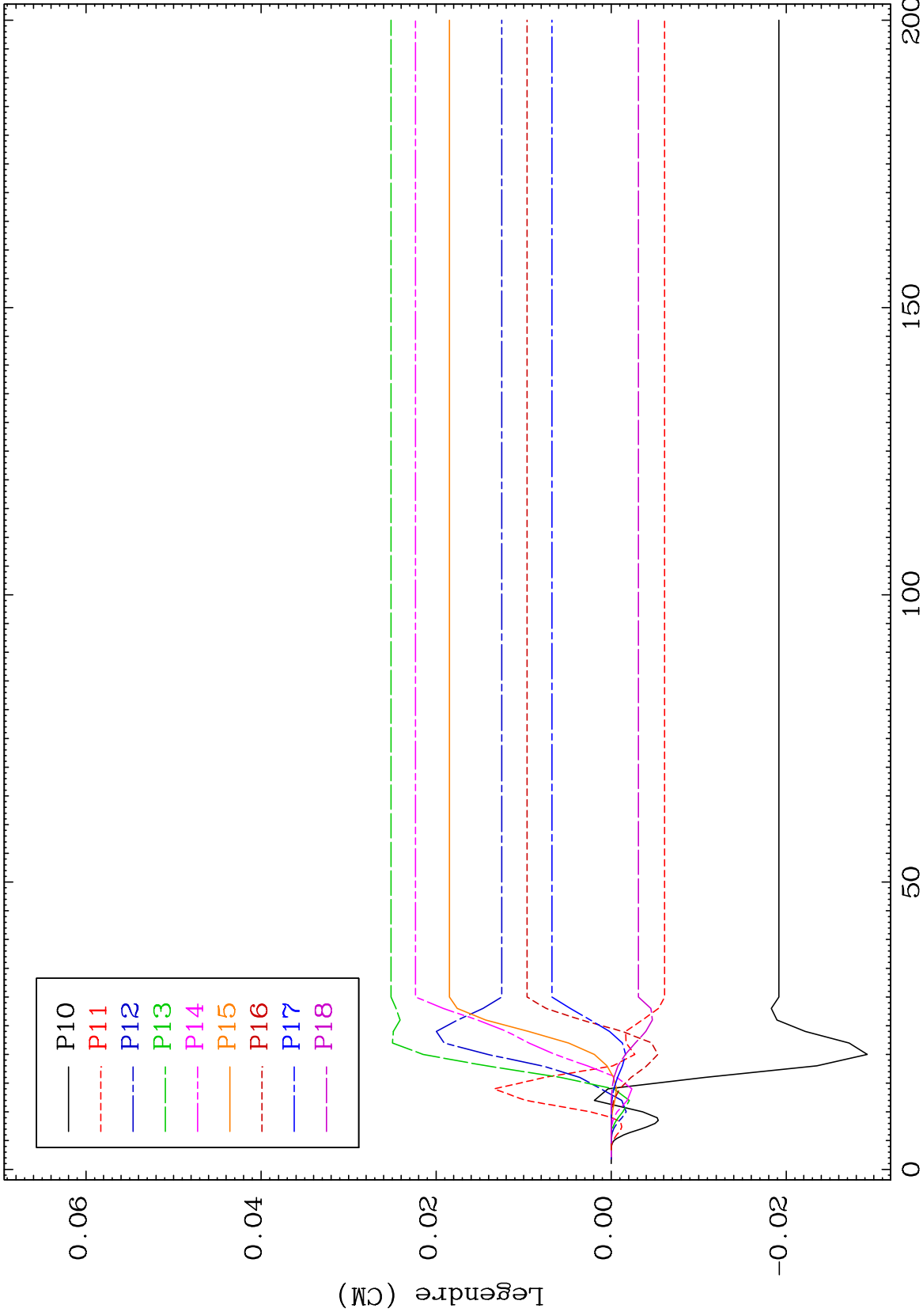
78 50 100 150 200 65-Tb-154



MAT 6510

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

65-Tb-154



0

50

100

150

200

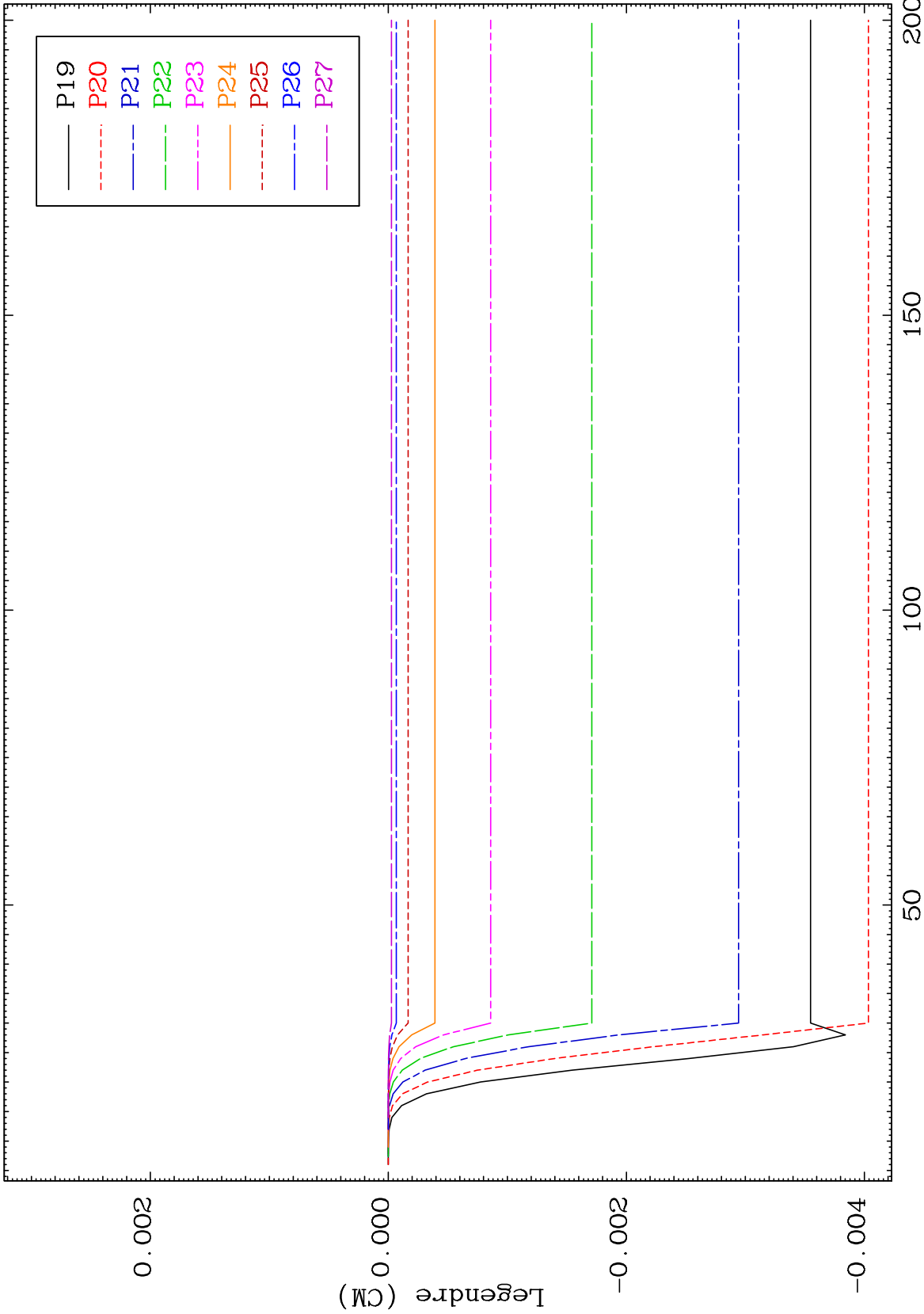
Incident Energy (MeV)

65-Tb-154

MAT 6510

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

65-Tb-154

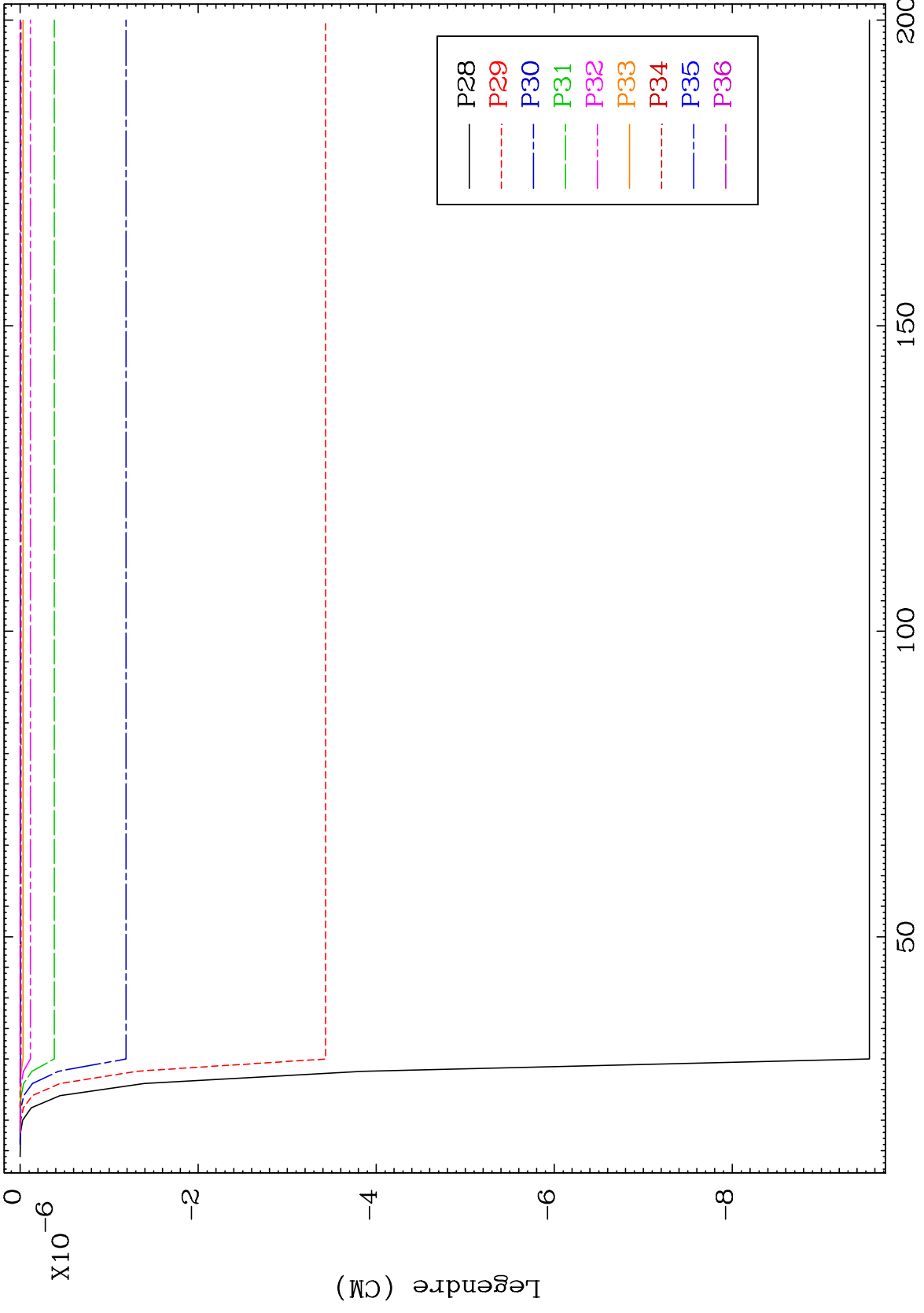


81

Incident Energy (MeV)

65-Tb-154

MAT 6510 MT= 68 (n,n') Level Legendre Coefficients 65-Tb-154

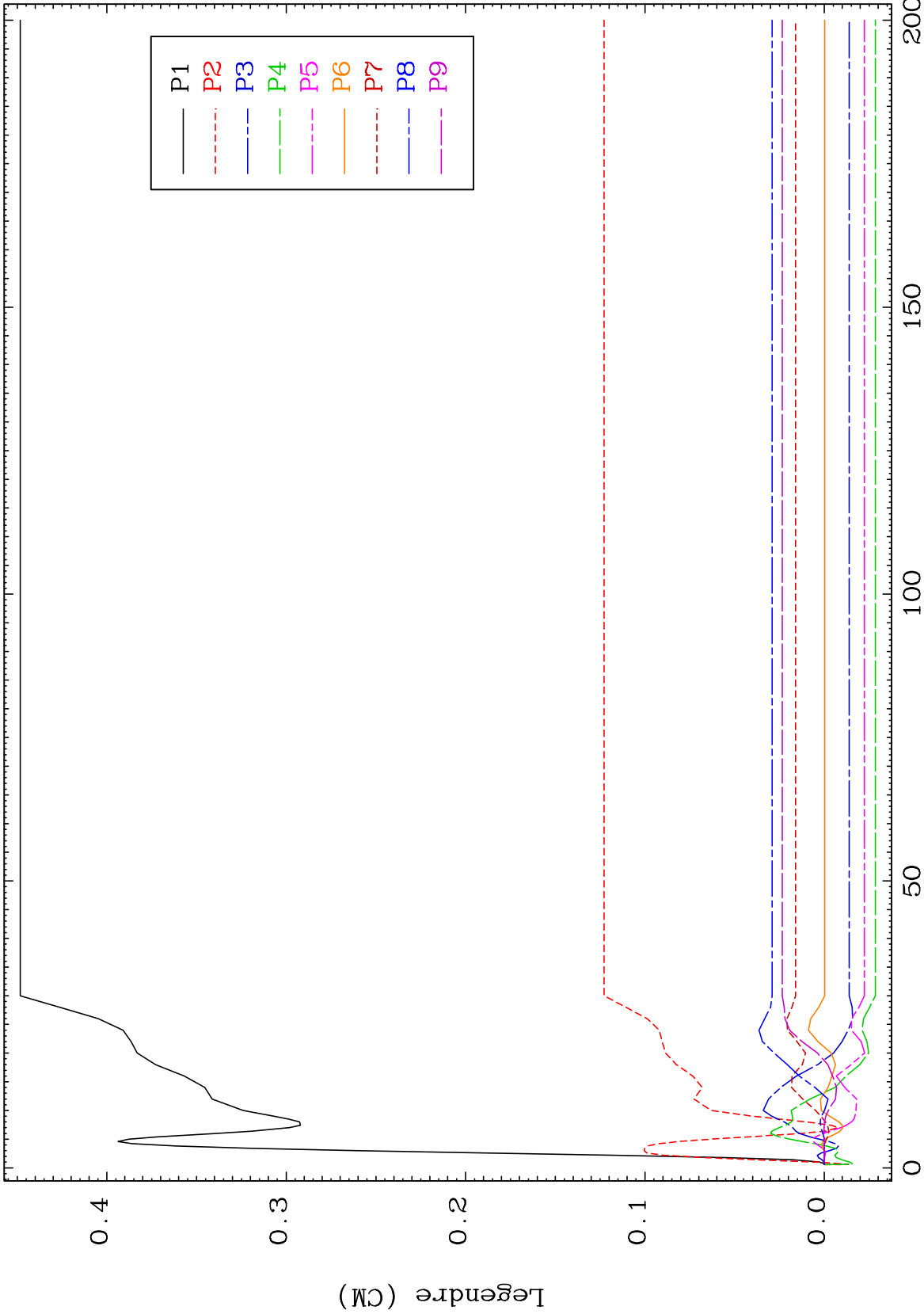


82 Incident Energy (MeV) 65-Tb-154

MAT 6510

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

65-Tb-154



83

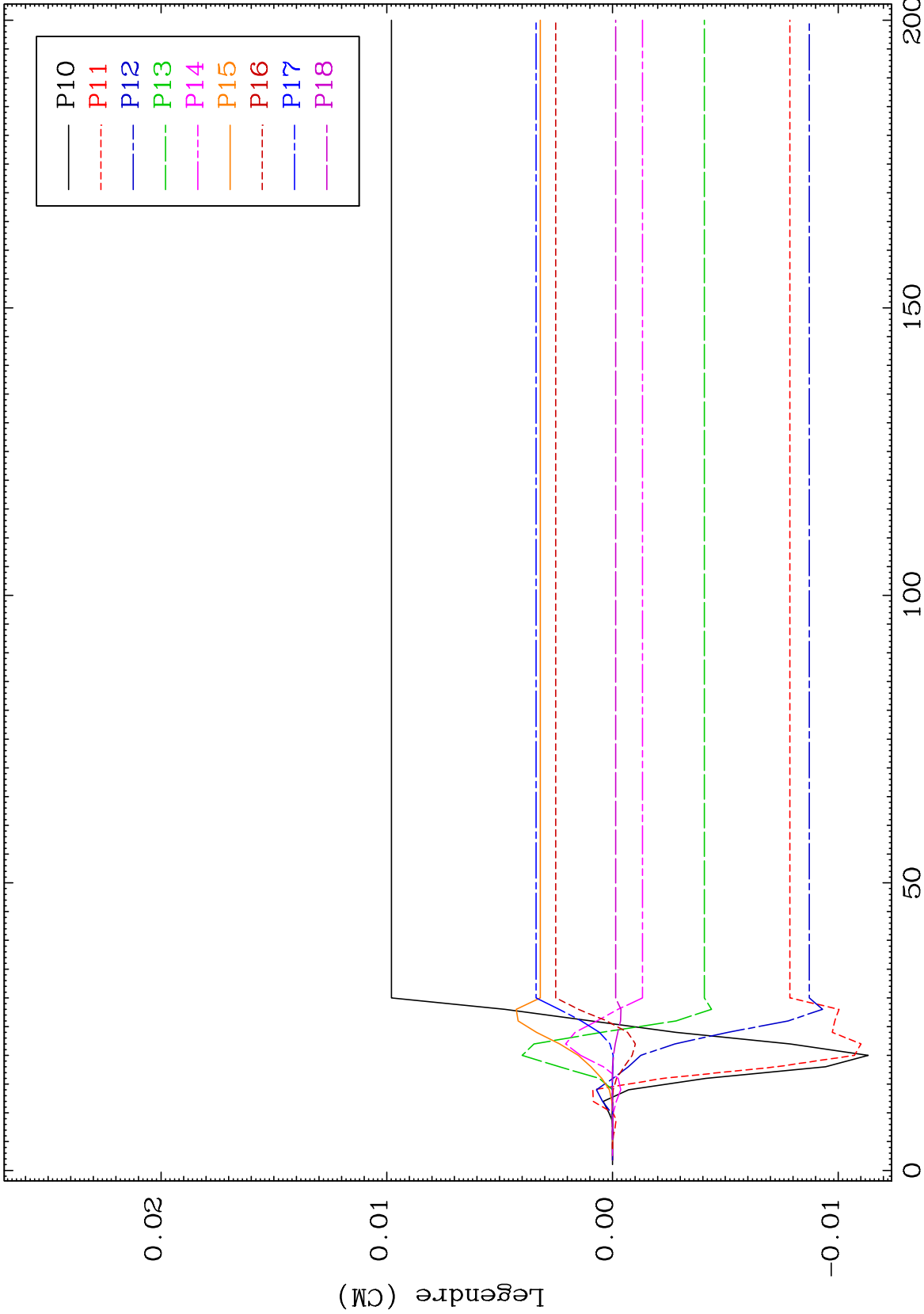
Incident Energy (MeV)

65-Tb-154

MAT 6510

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

65-Tb-154



84

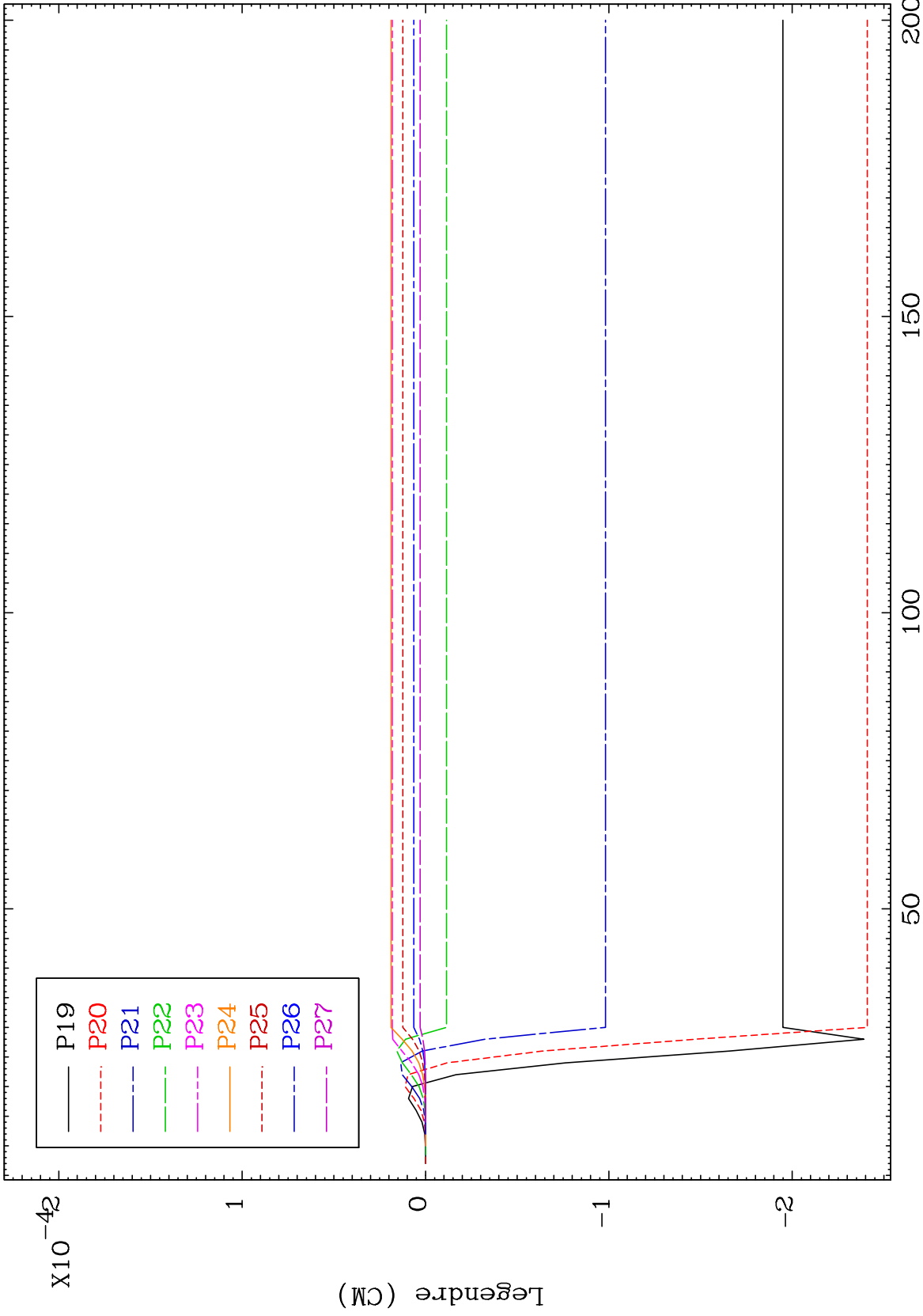
Incident Energy (MeV)

65-Tb-154

MAT 6510

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

65-Tb-154

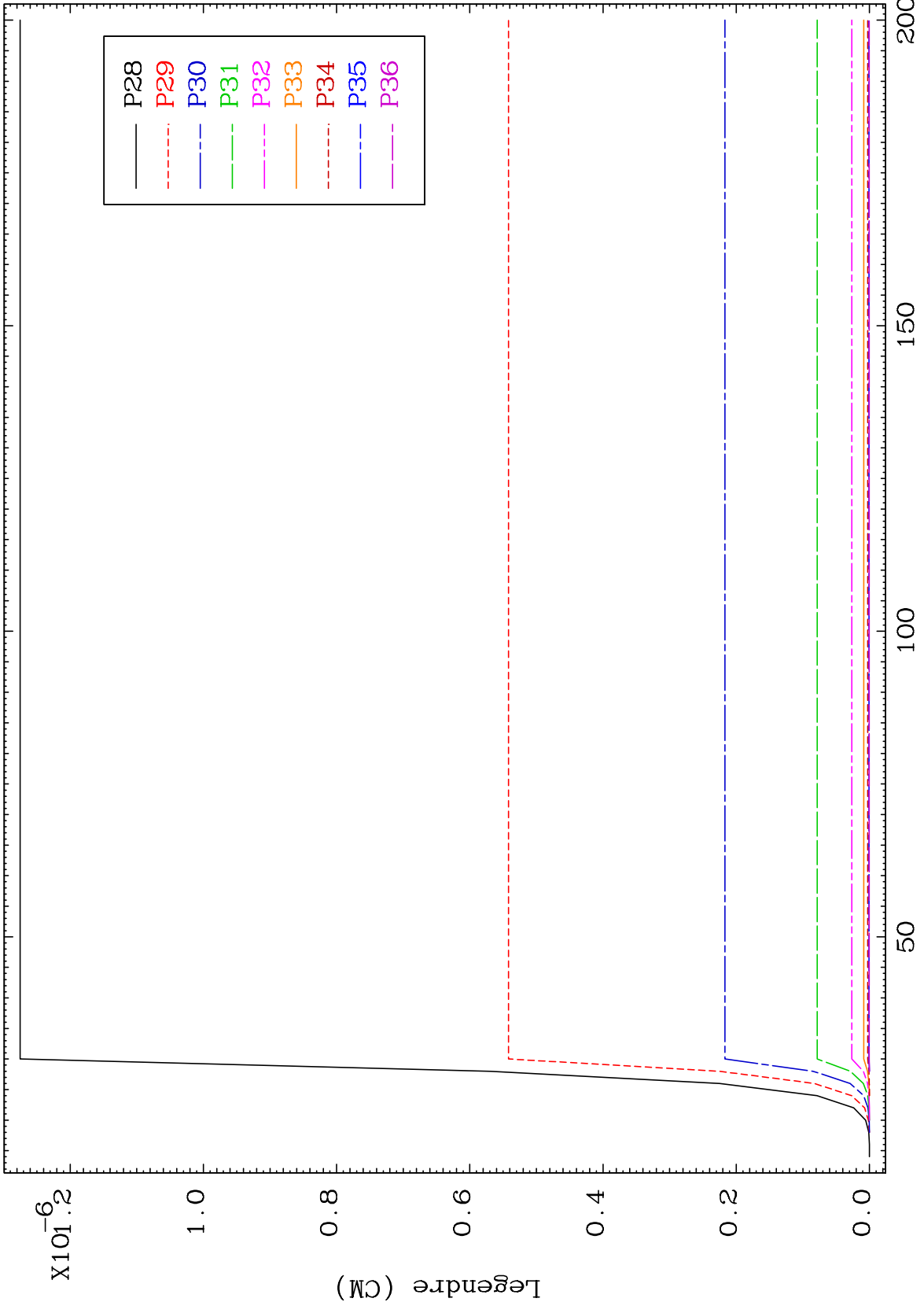


85

Incident Energy (MeV)

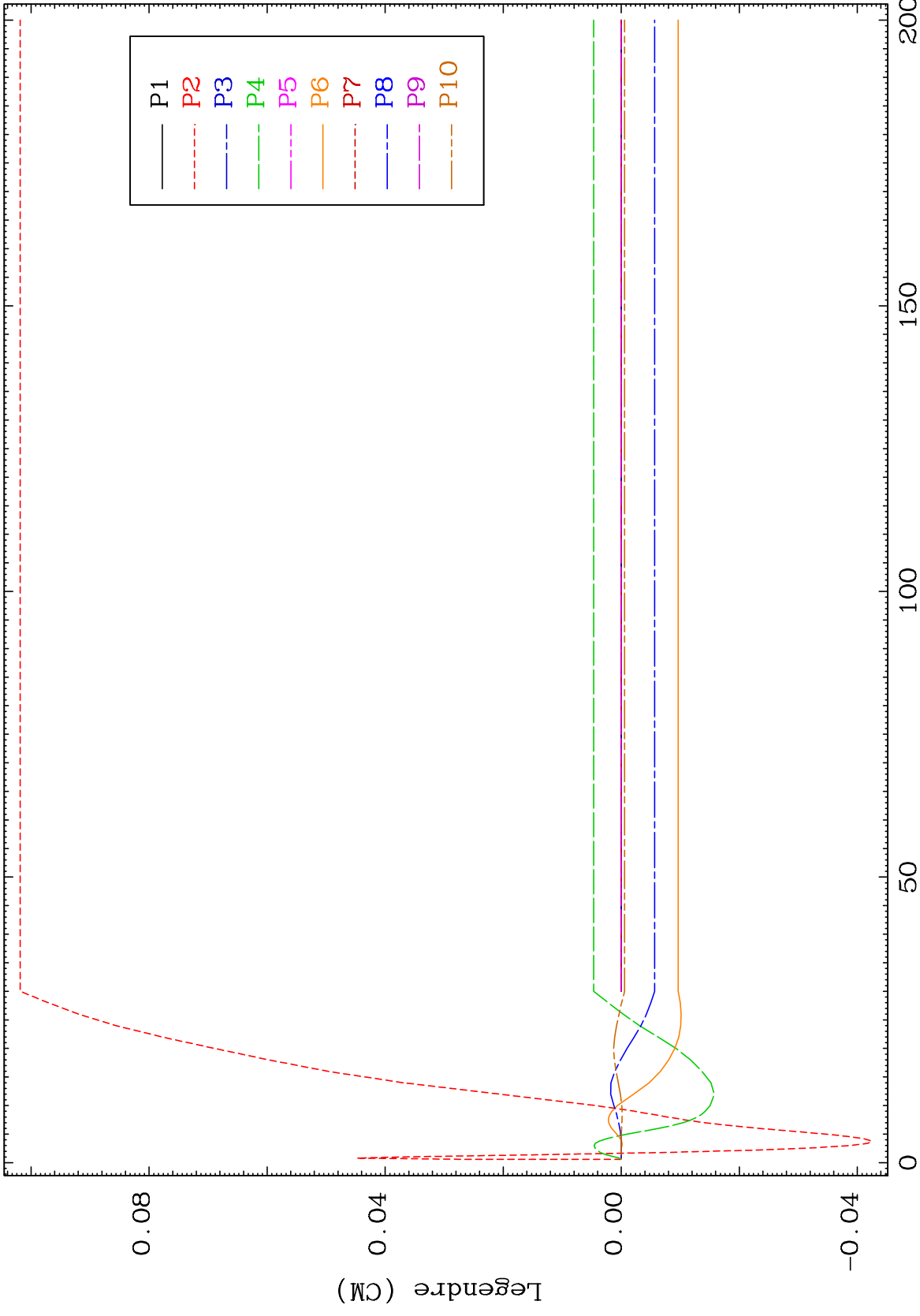
65-Tb-154

MAT 6510 MT= 69 (n,n') Level Legendre Coefficients 65-Tb-154

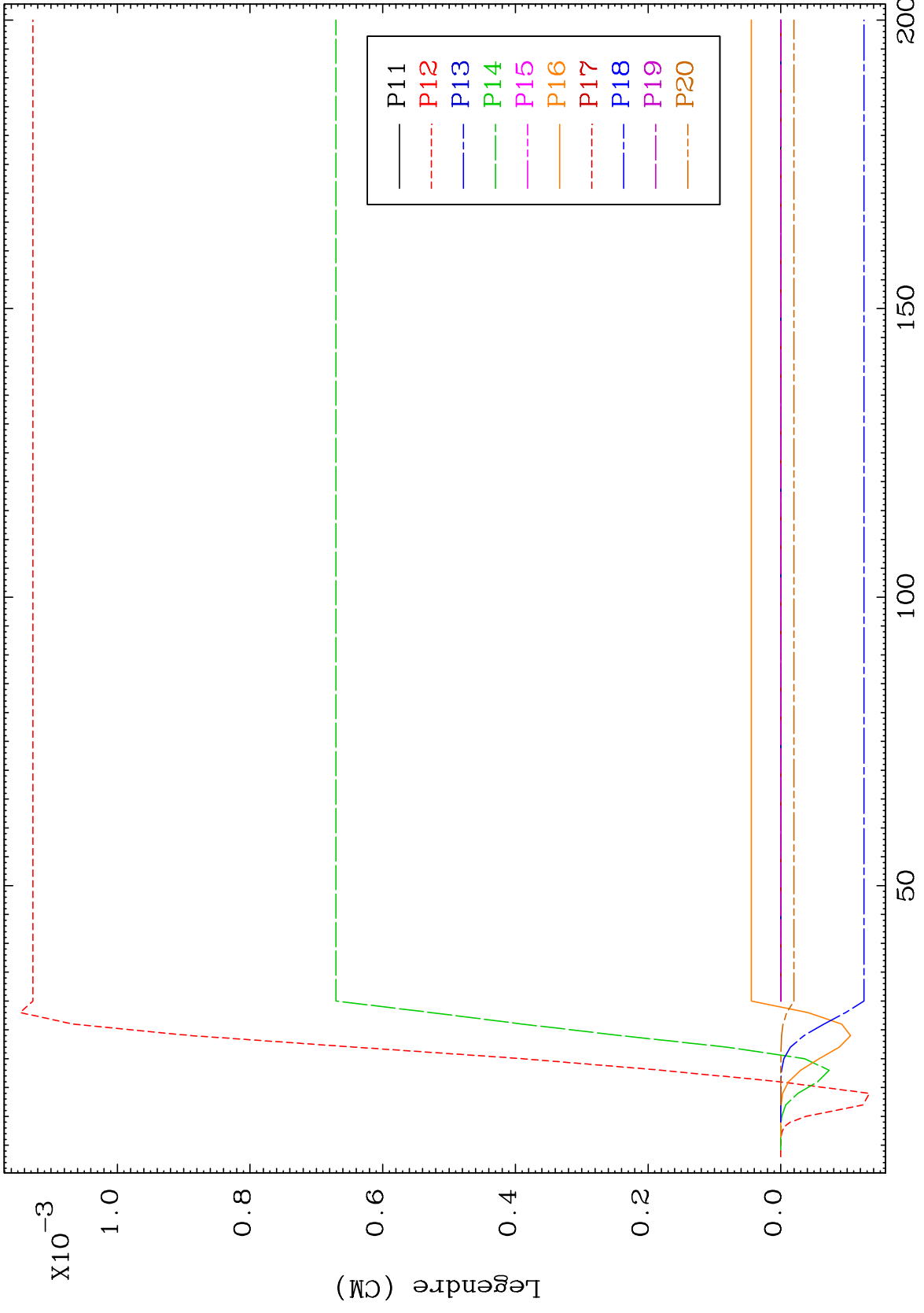


86 65-Tb-154

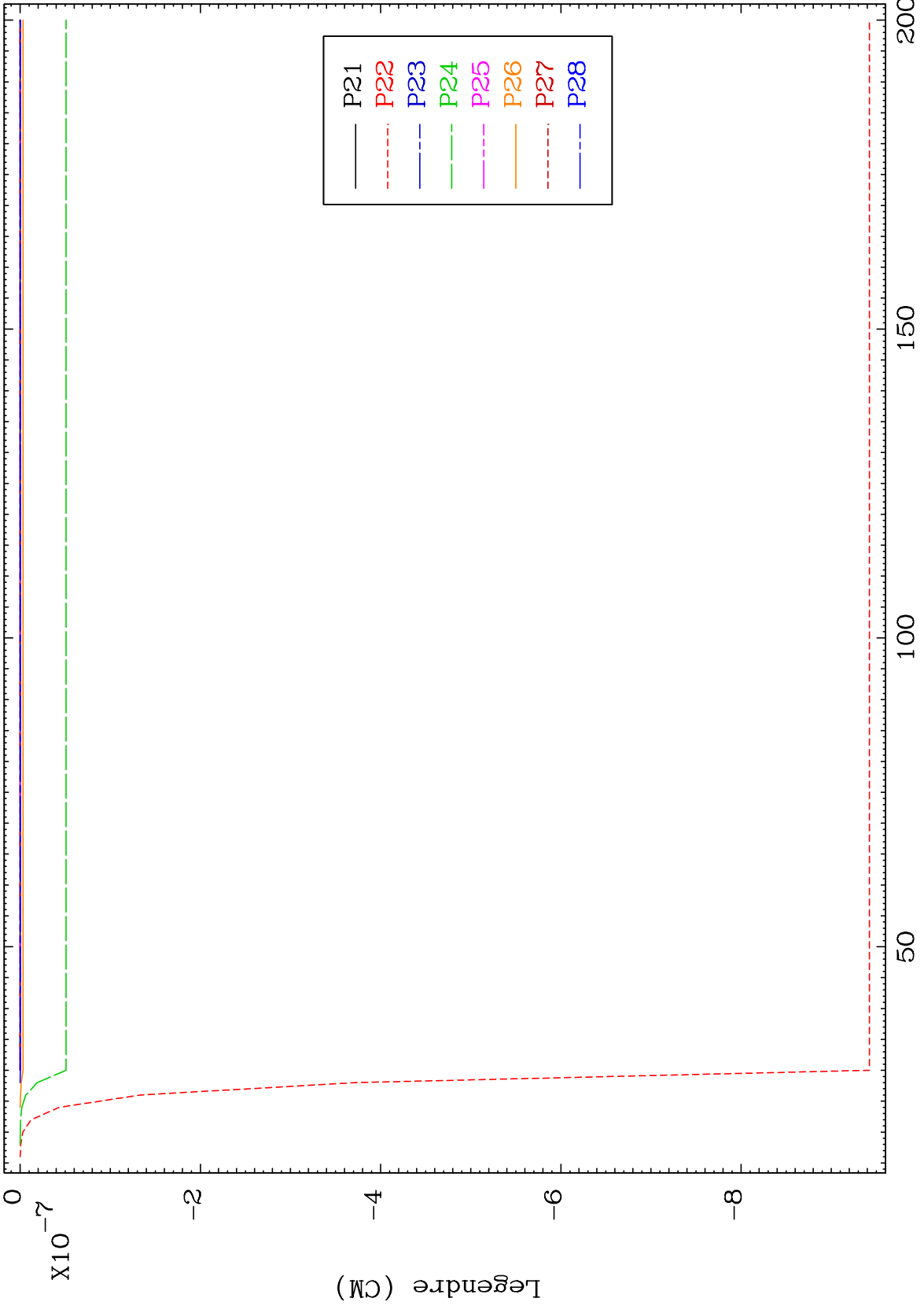
MAT 6510 MT= 70 (n,n') Level Legendre Coefficients 65-Tb-154



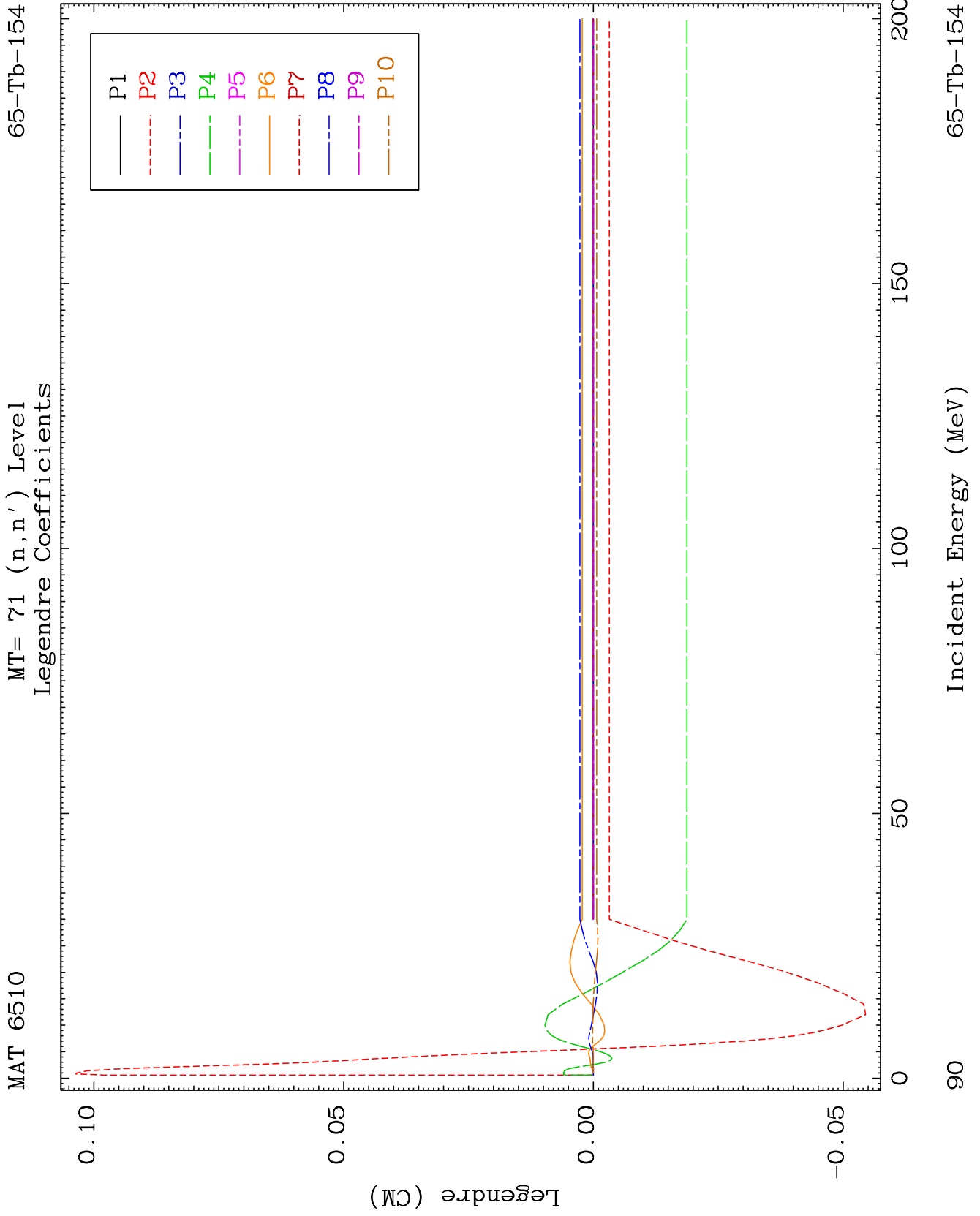
87 65-Tb-154



MAT 6510 MT= 70 (n,n') Level Legendre Coefficients 65-Tb-154



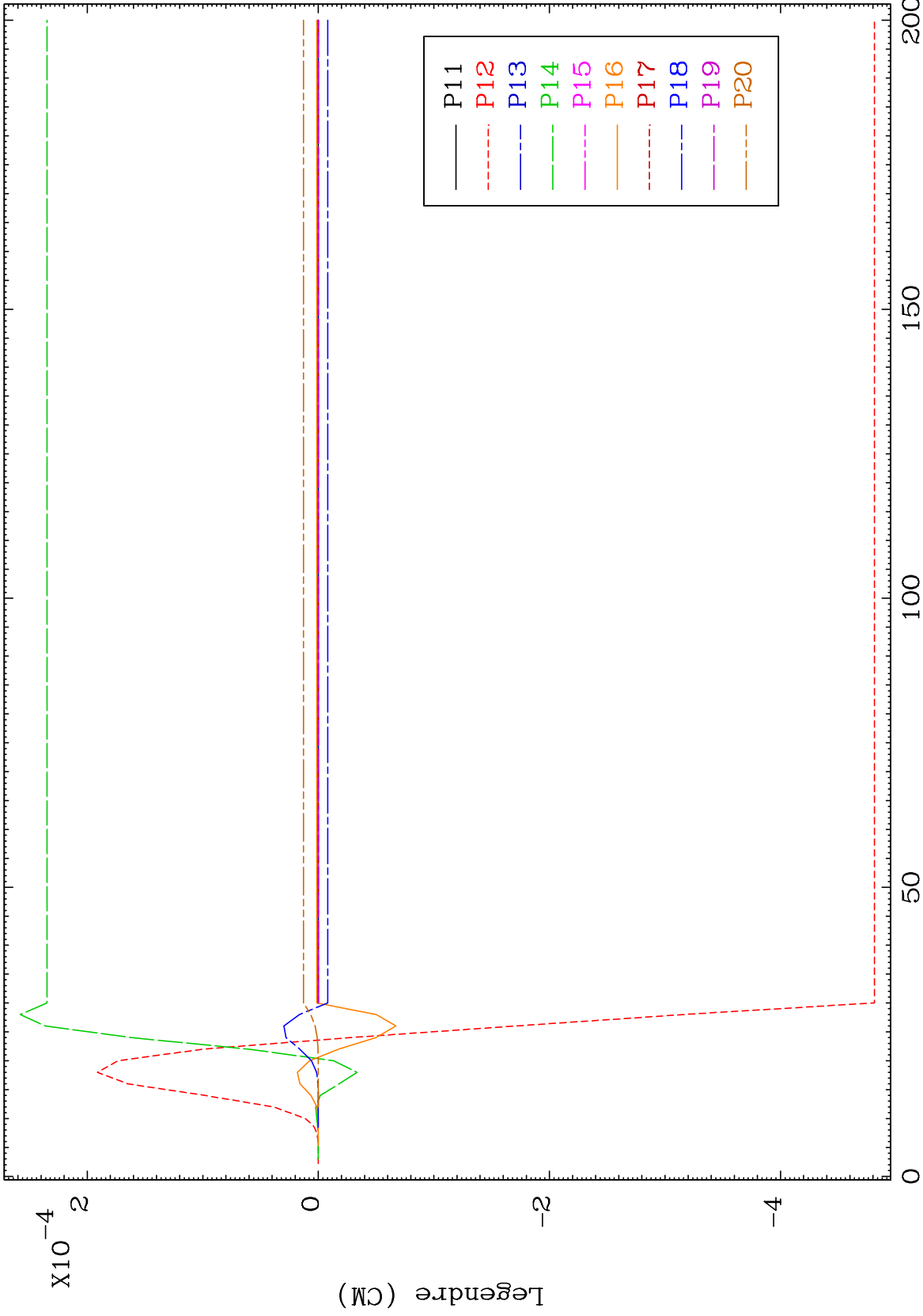
89 65-Tb-154



MAT 6510

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

65-Tb-154

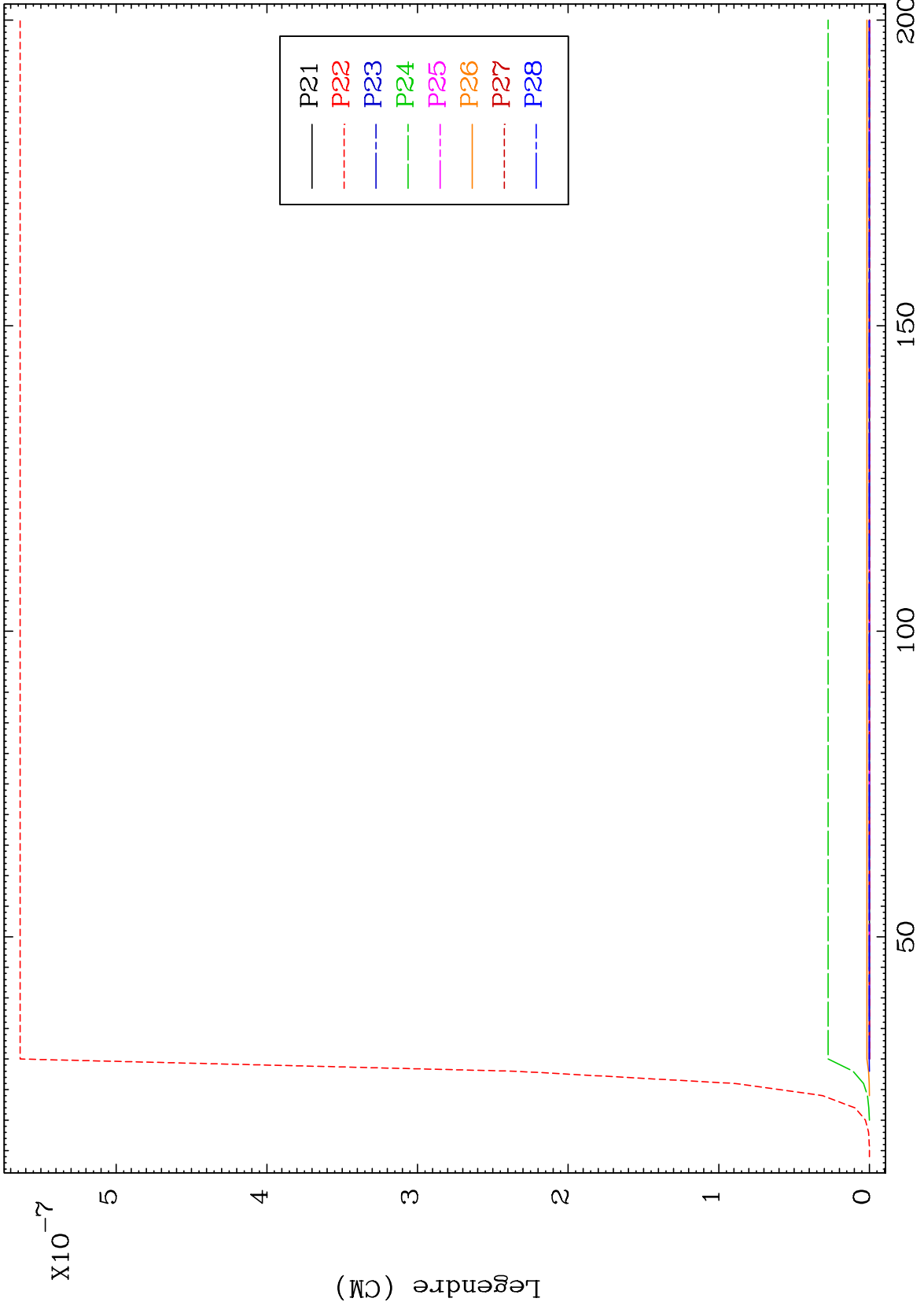


91

Incident Energy (MeV)

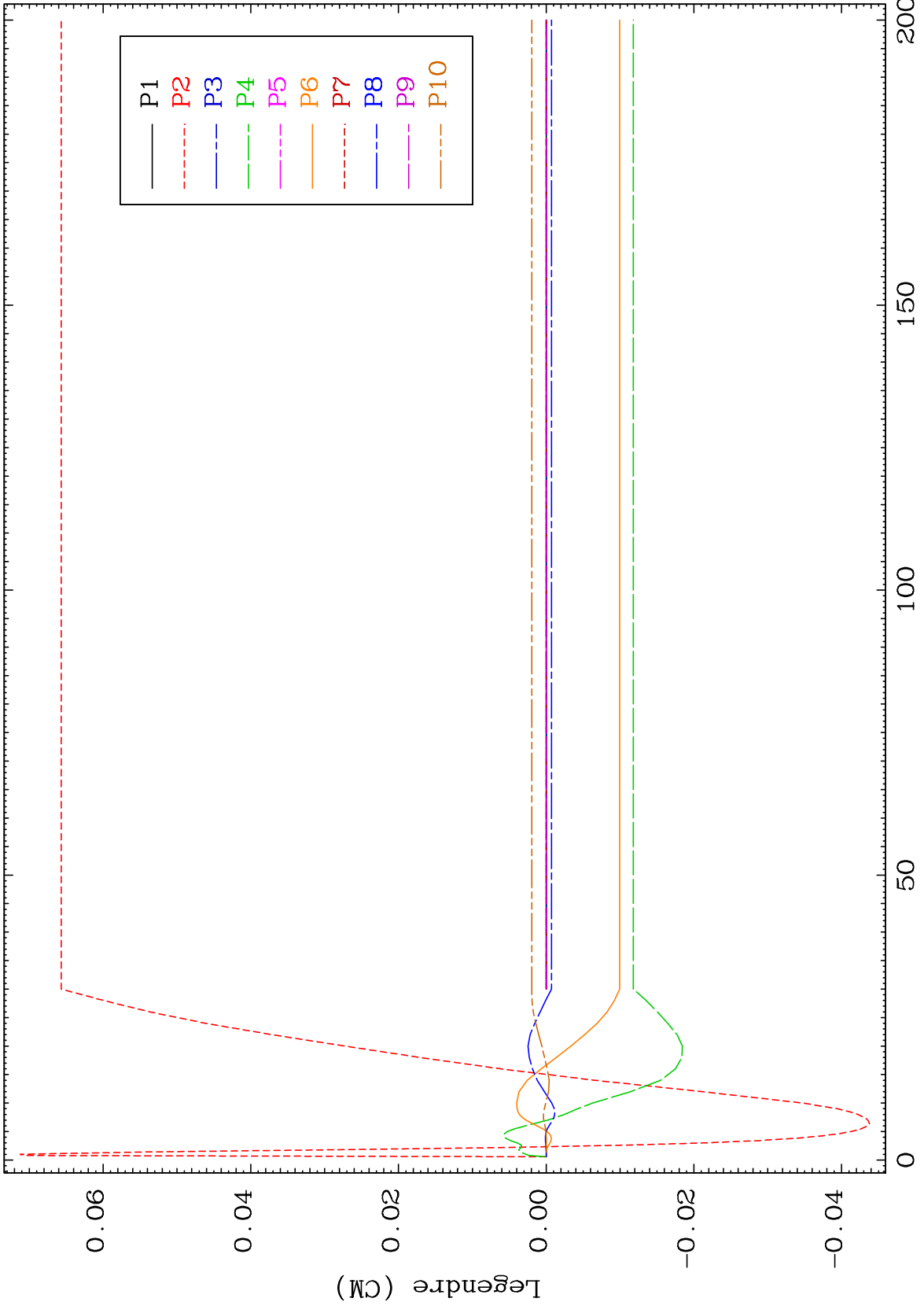
65-Tb-154

MAT 6510 MT= 71 (n,n') Level Legendre Coefficients 65-Tb-154



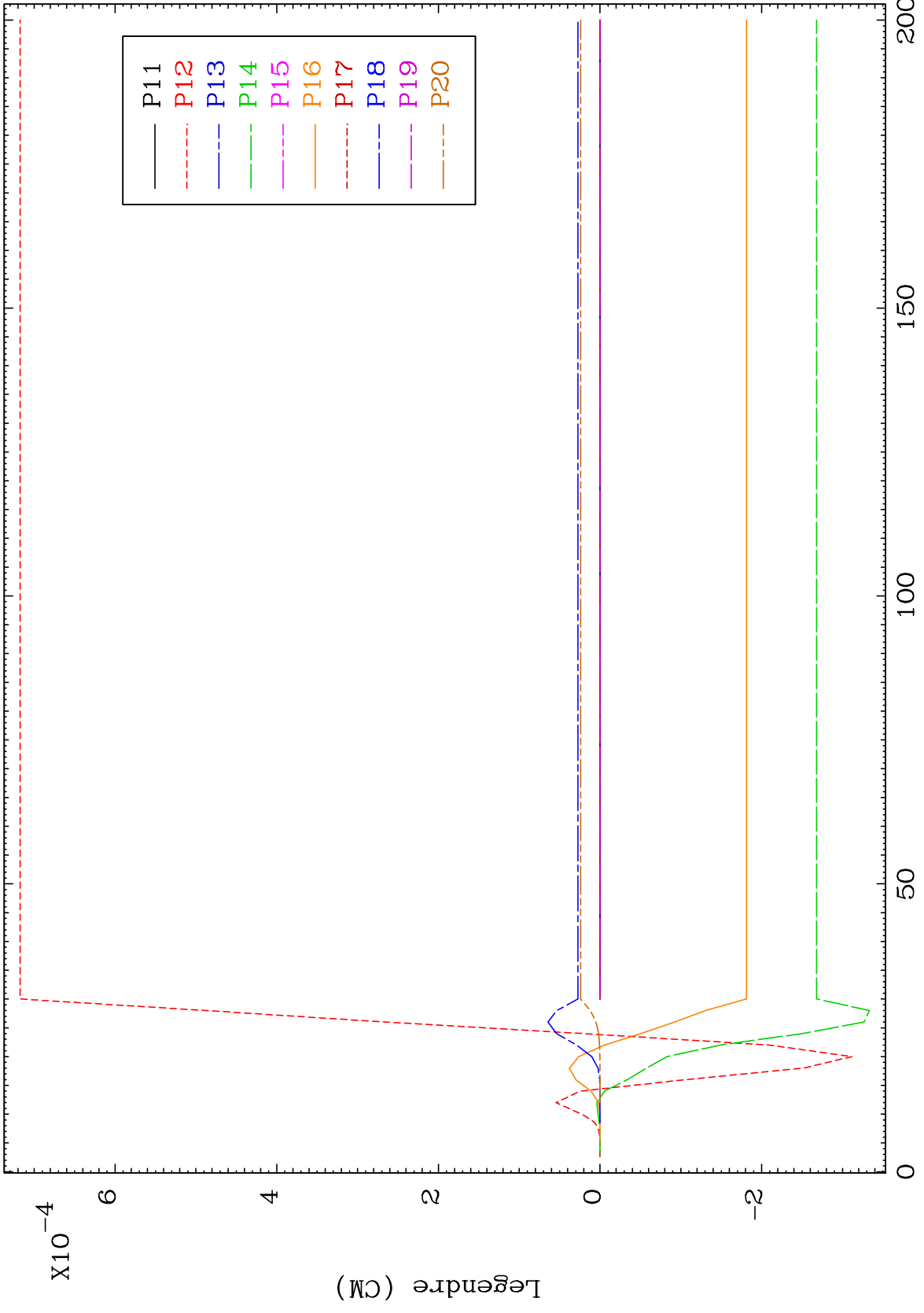
92 65-Tb-154

MAT 6510 MT= 72 (n,n') Level Legendre Coefficients 65-Tb-154



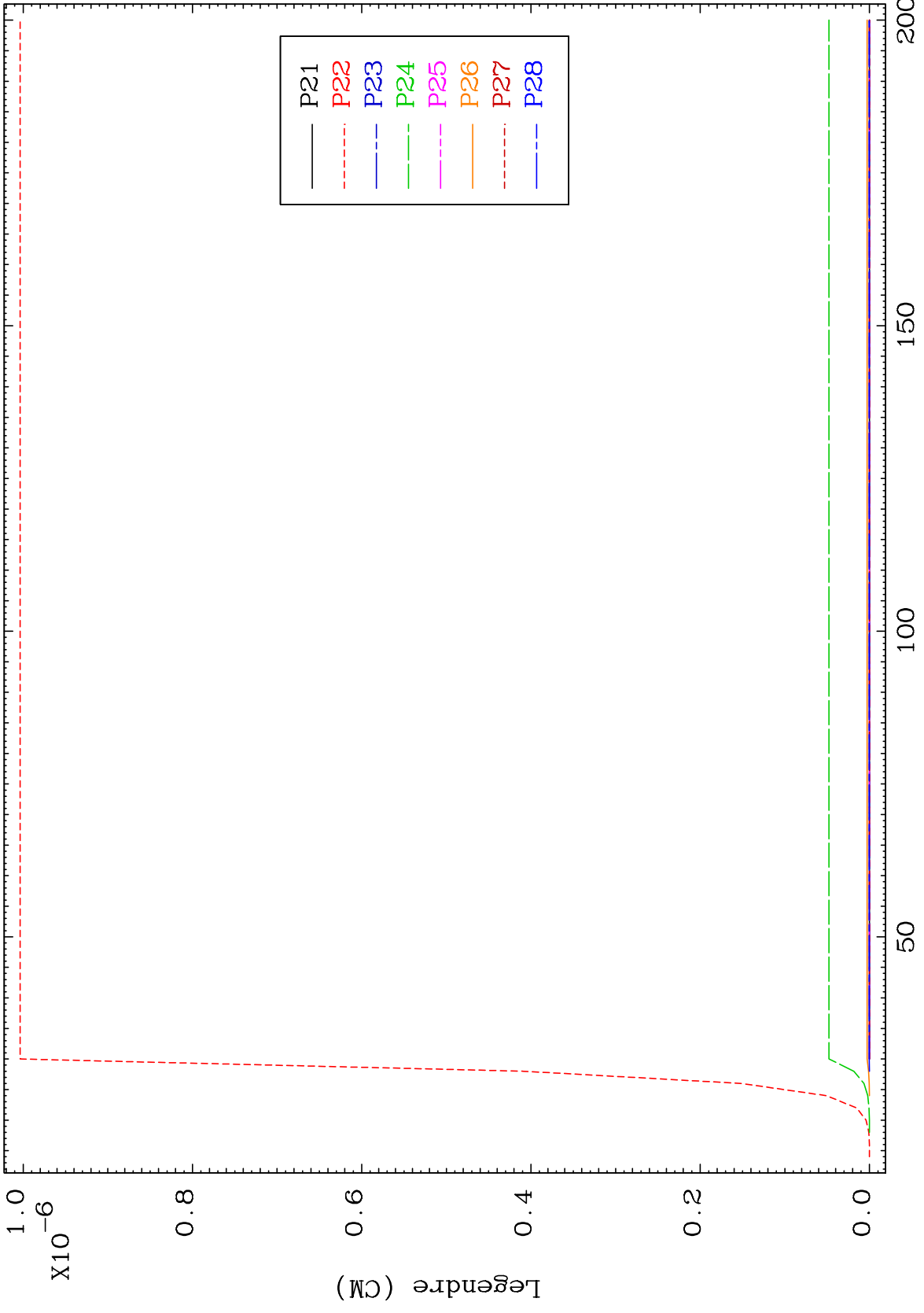
93 65-Tb-154

MAT 6510 MT= 72 (n,n') Level Legendre Coefficients 65-Tb-154



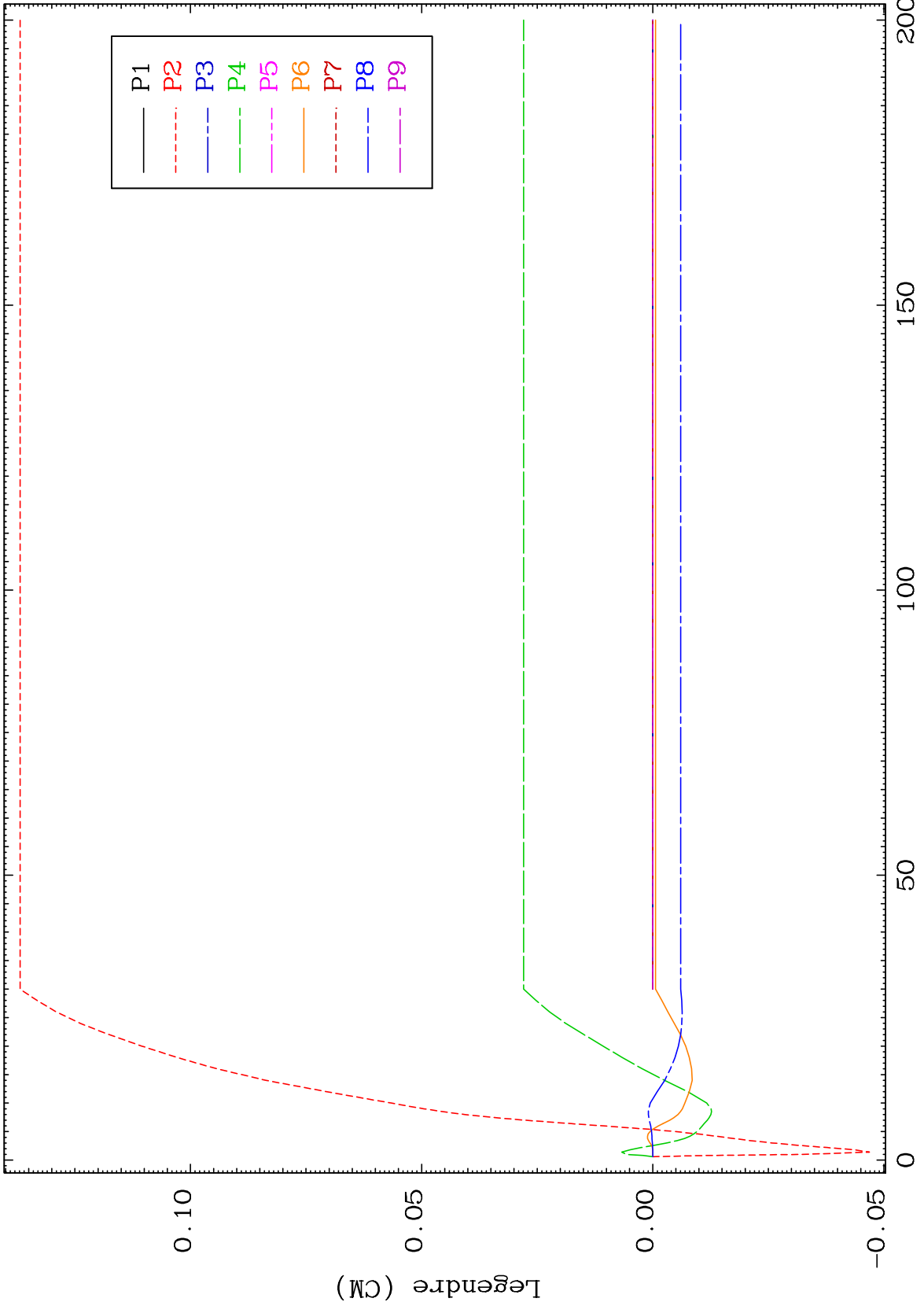
94 65-Tb-154

MAT 6510 MT= 72 (n,n') Level Legendre Coefficients 65-Tb-154



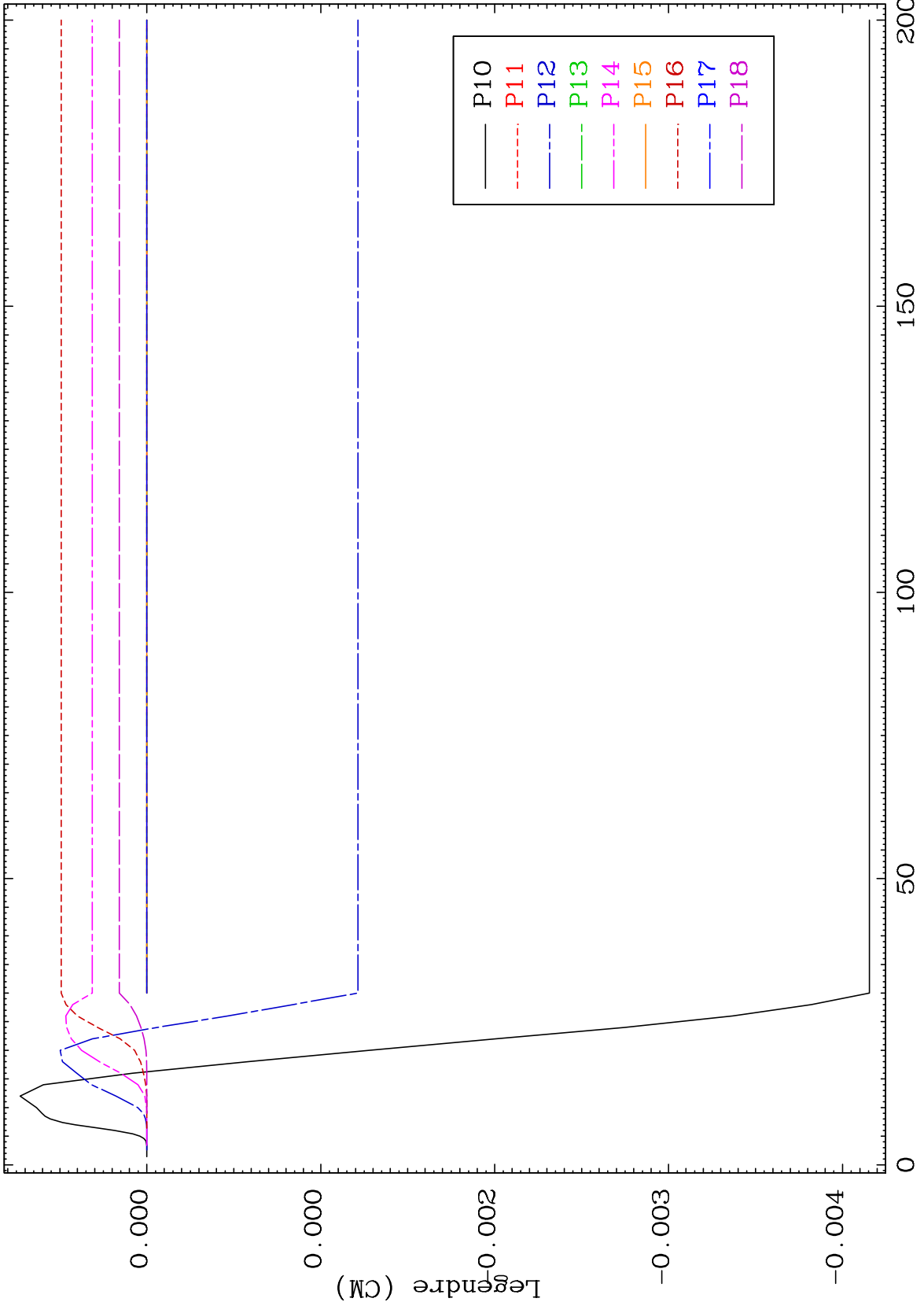
95 Incident Energy (MeV) 65-Tb-154

MAT 6510 MT= 73 (n,n') Level Legendre Coefficients 65-Tb-154



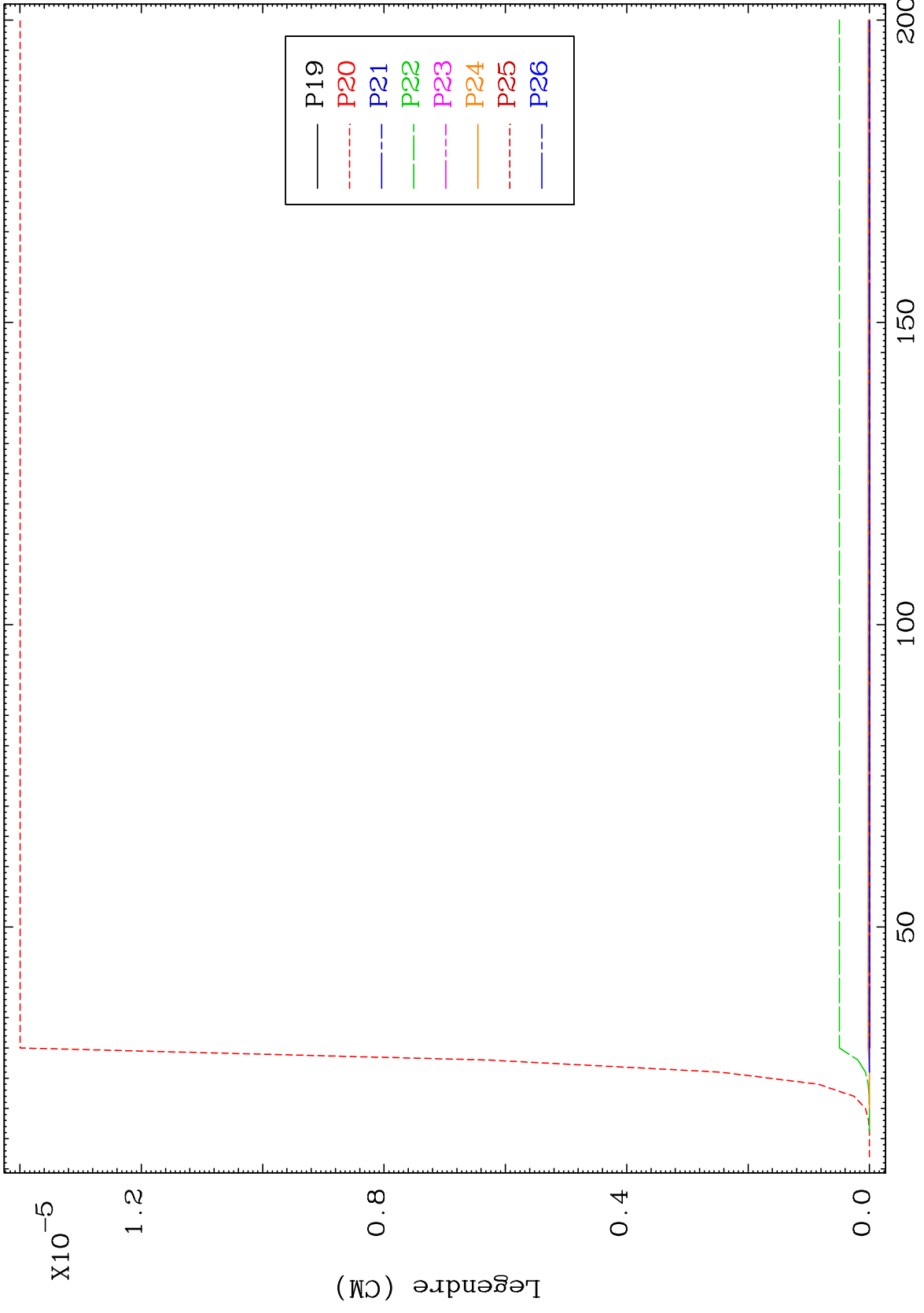
96 65-Tb-154

MAT 6510 MT= 73 (n,n') Level Legendre Coefficients 65-Tb-154



97 65-Tb-154

MAT 6510 MT= 73 (n,n') Level Legendre Coefficients 65-Tb-154

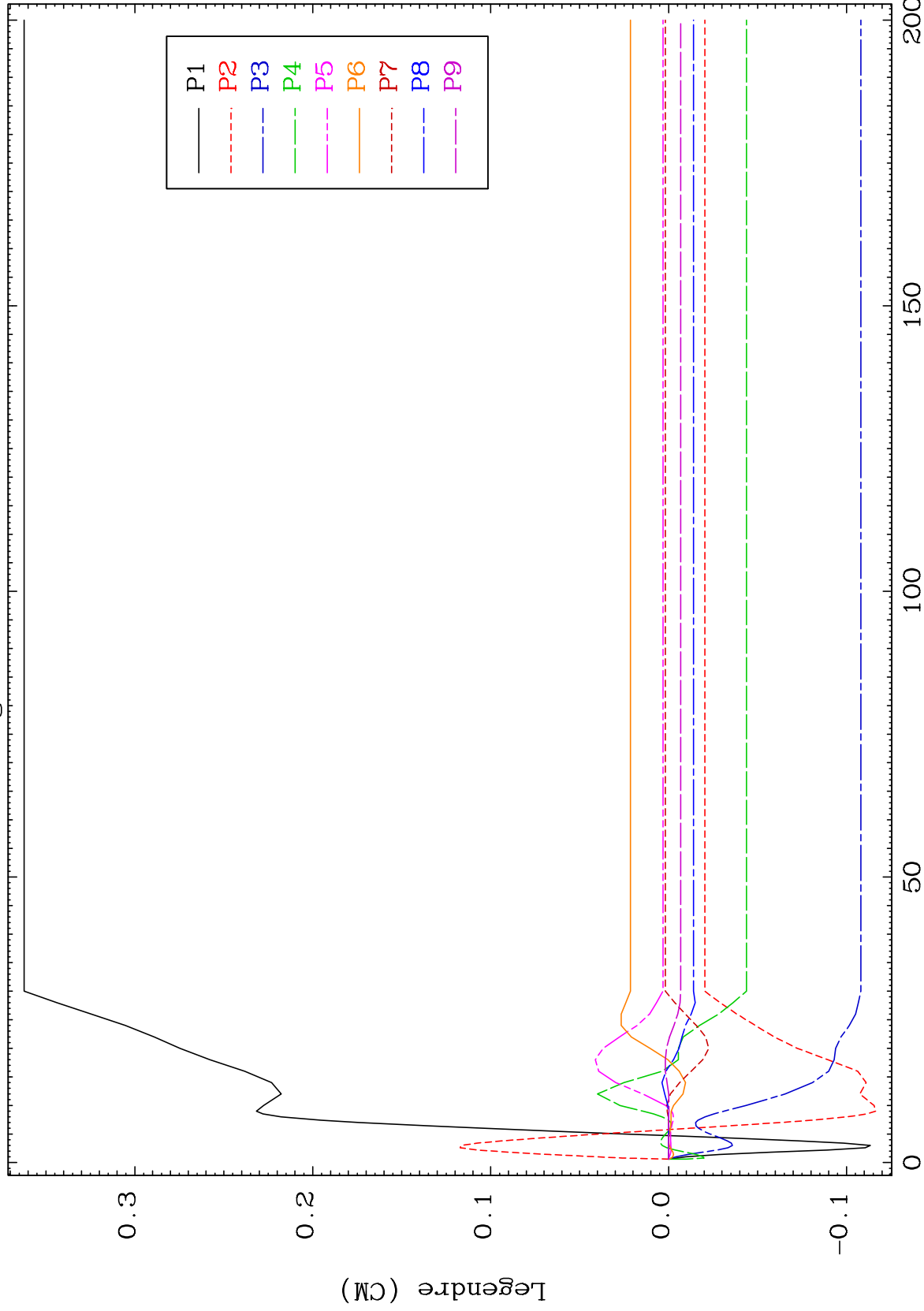


98 65-Tb-154

MAT 6510

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

65-Tb-154

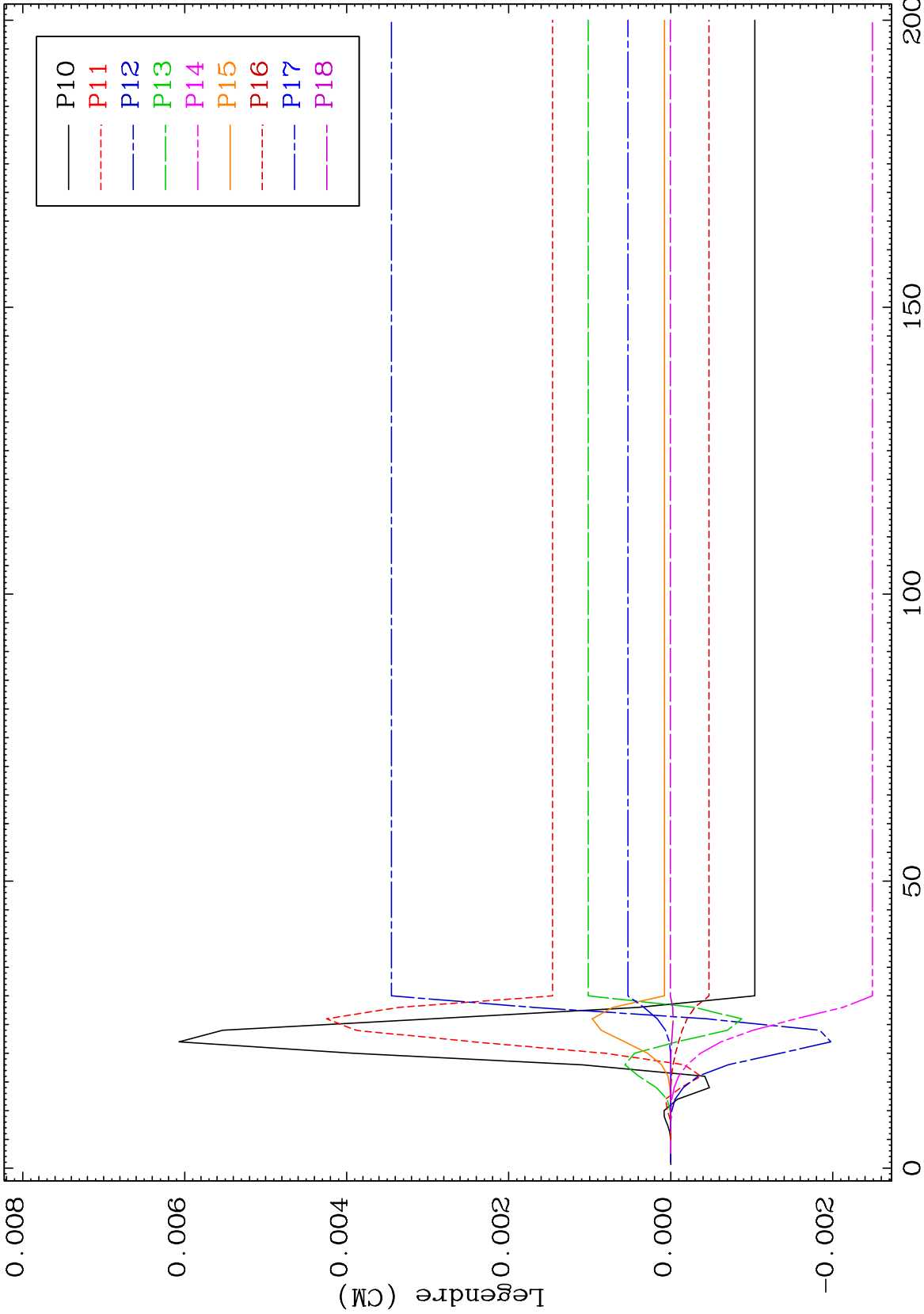


99

Incident Energy (MeV)

65-Tb-154

MAT 6510 MT= 74 (n,n') Level Legendre Coefficients 65-Tb-154

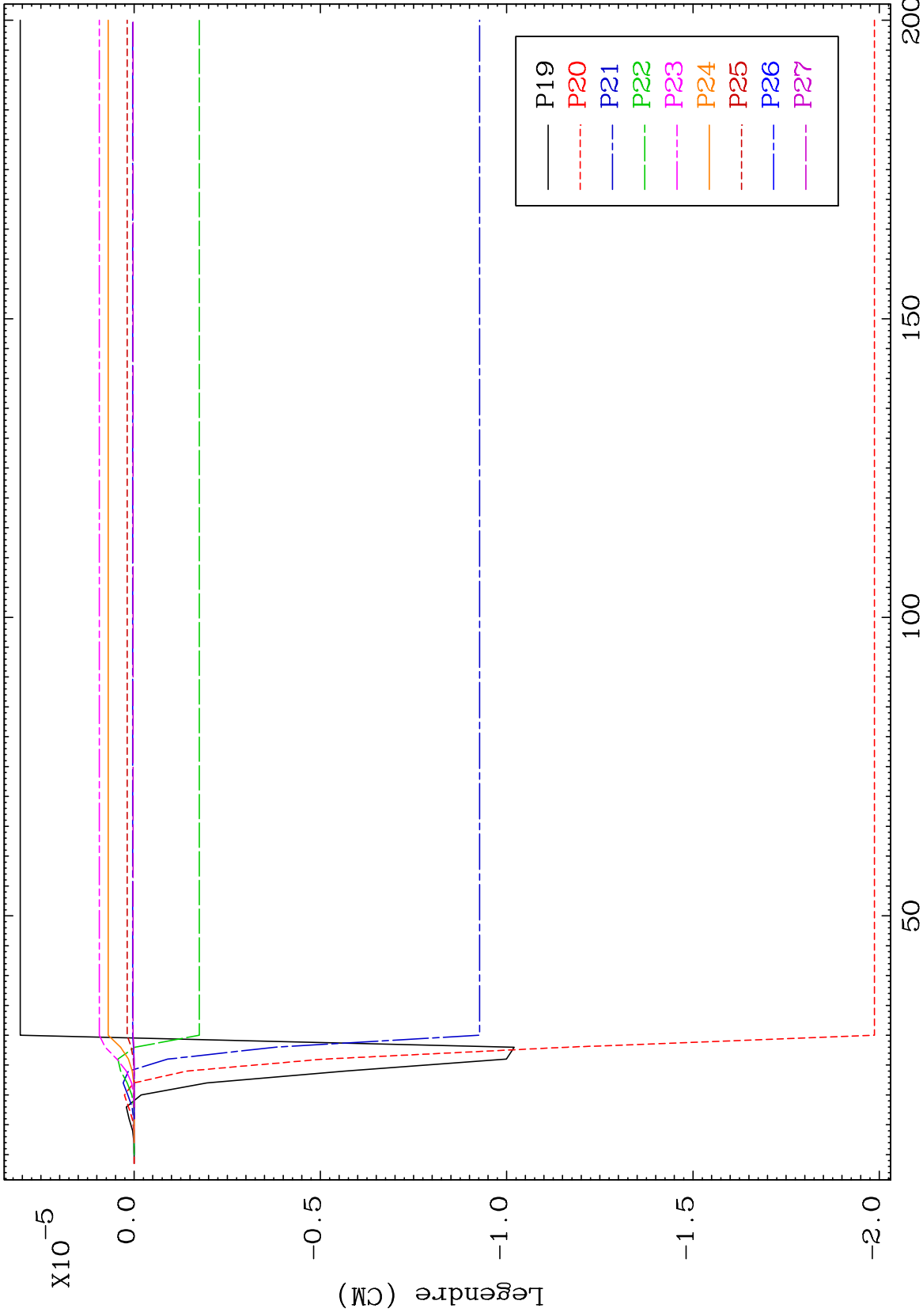


Legendre (CM) Incident Energy (MeV) 65-Tb-154

MAT 6510

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

65-Tb-154



101

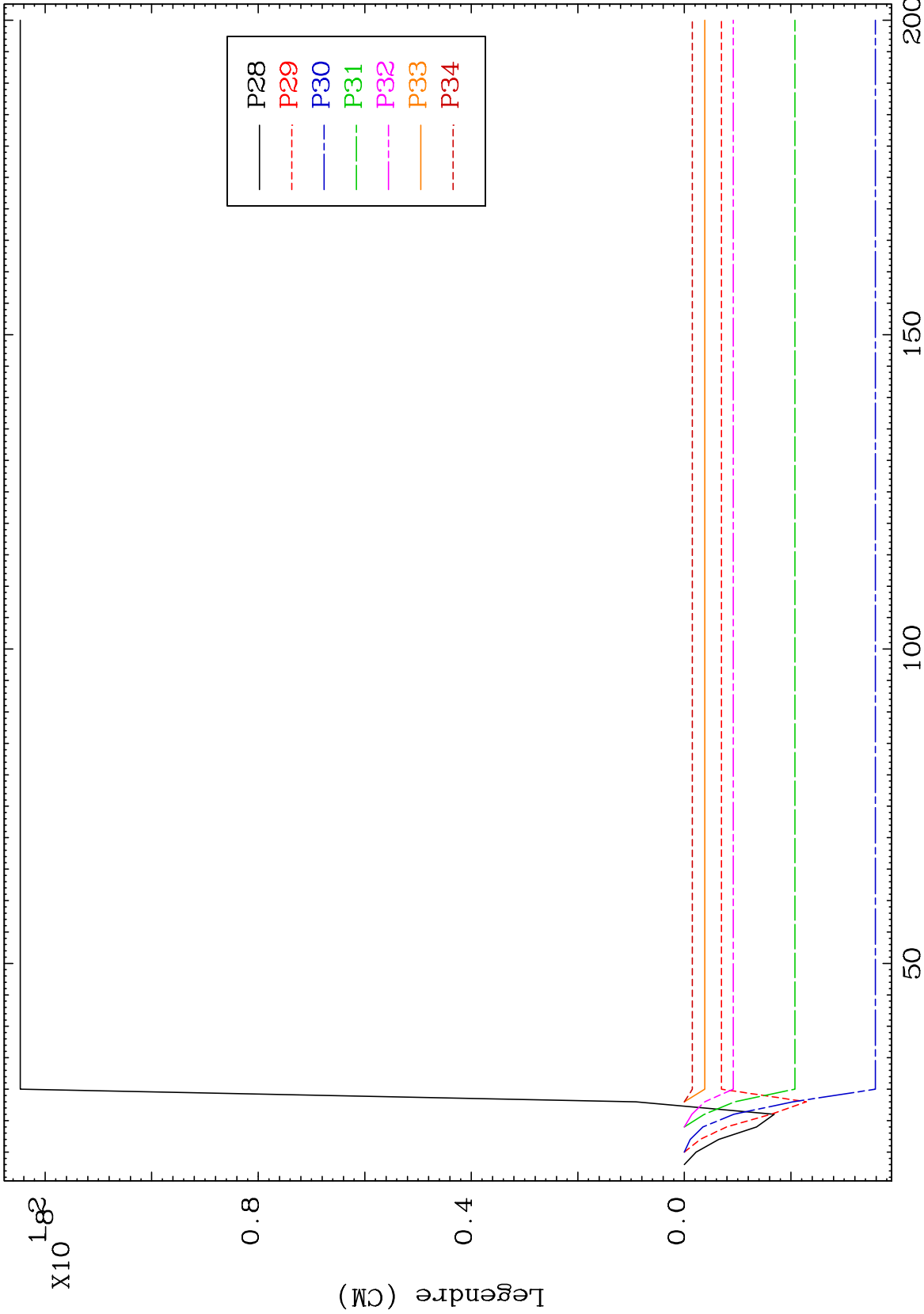
Incident Energy (MeV)

65-Tb-154

MAT 6510

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

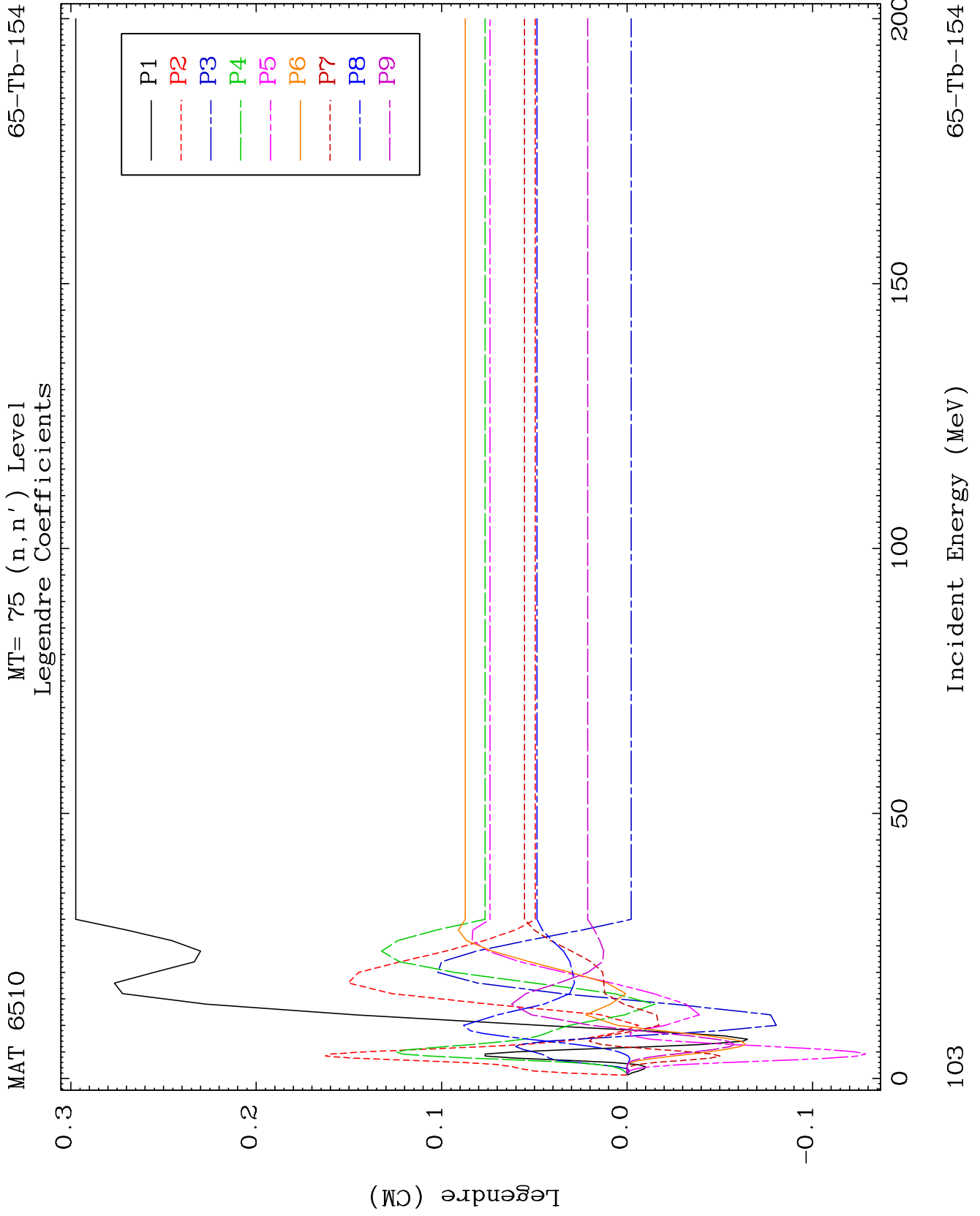
65-Tb-154



102

Incident Energy (MeV)

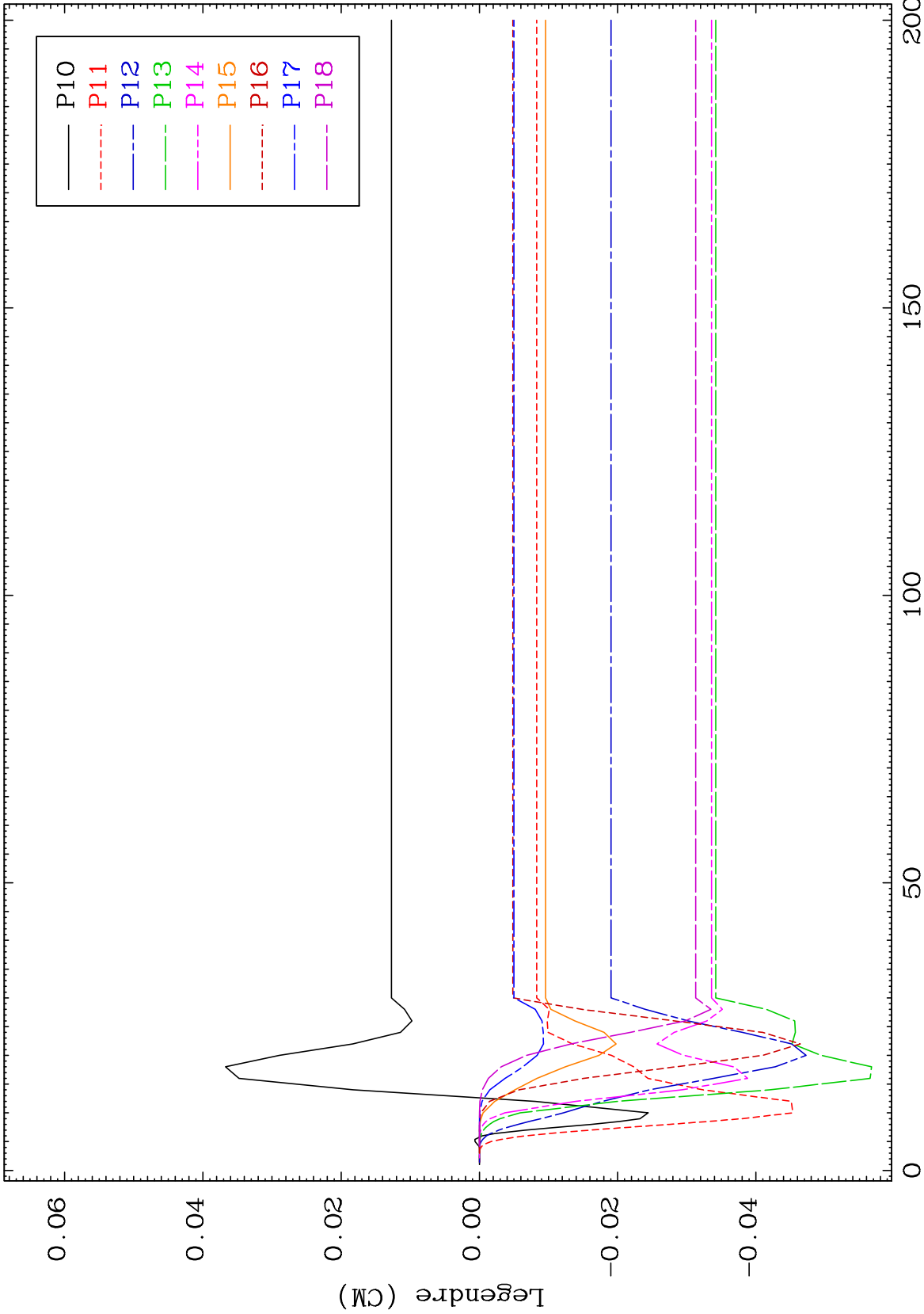
65-Tb-154



MAT 6510

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

65-Tb-154



104

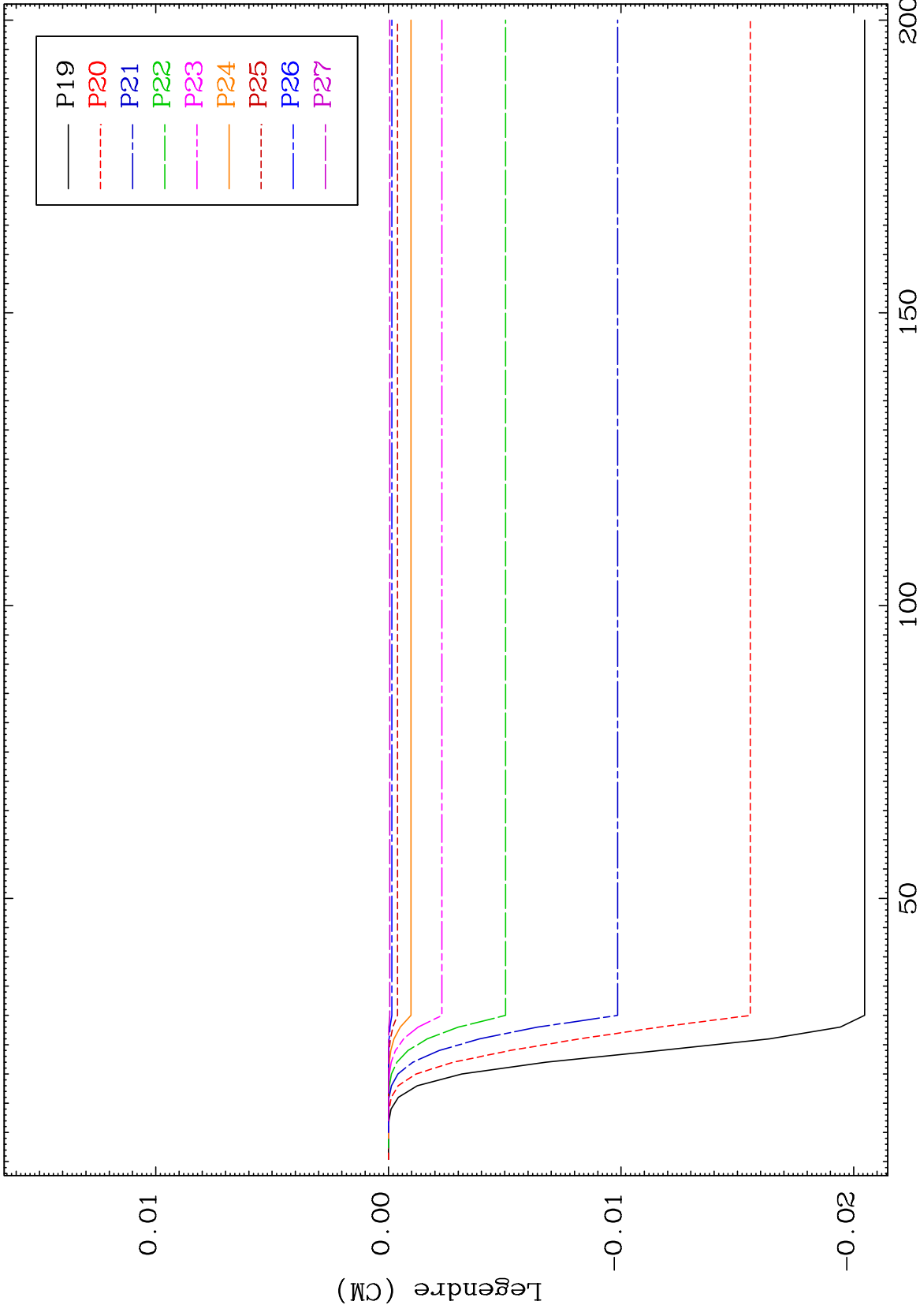
Incident Energy (MeV)

65-Tb-154

MAT 6510

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

65-Tb-154

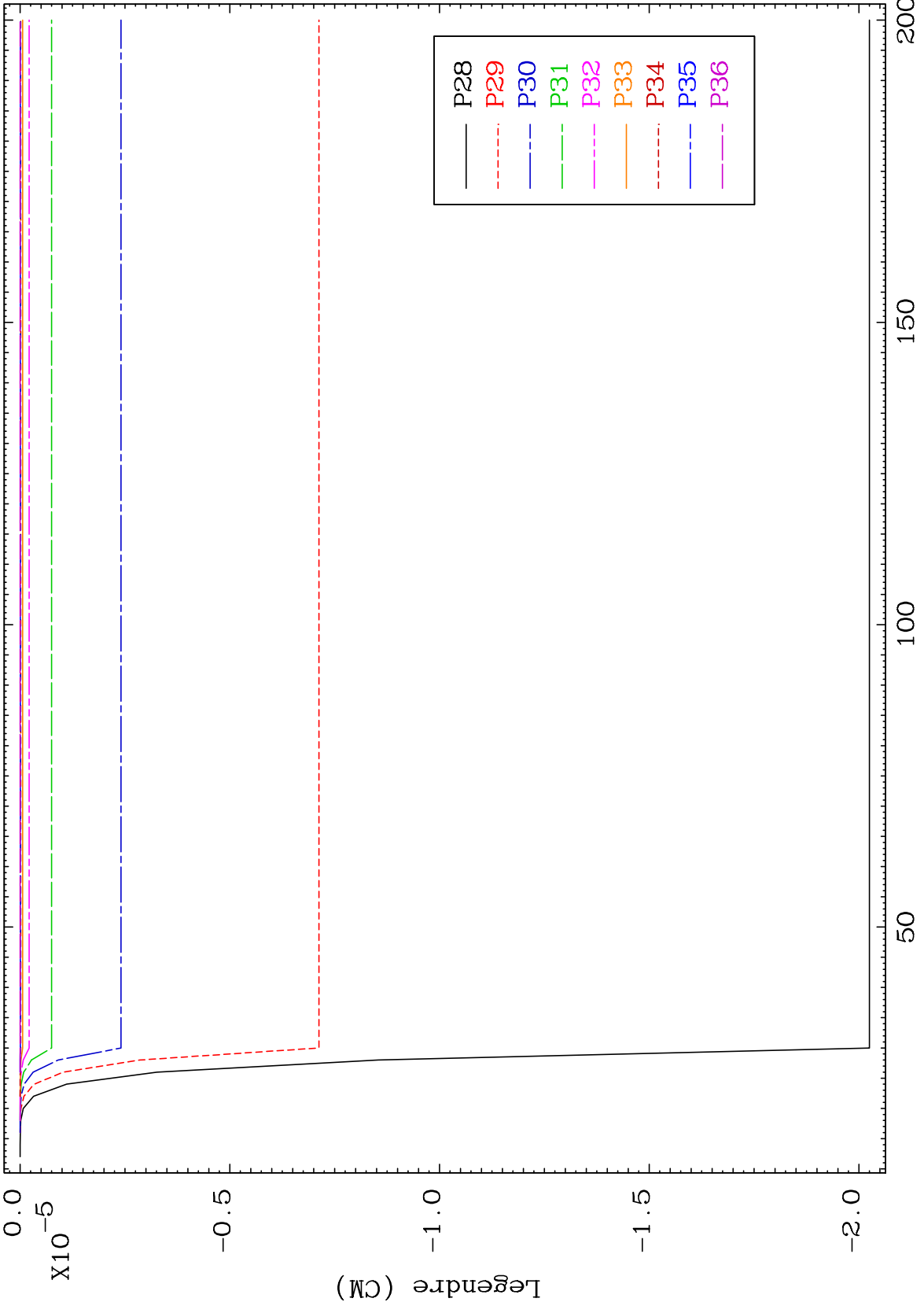


105

Incident Energy (MeV)

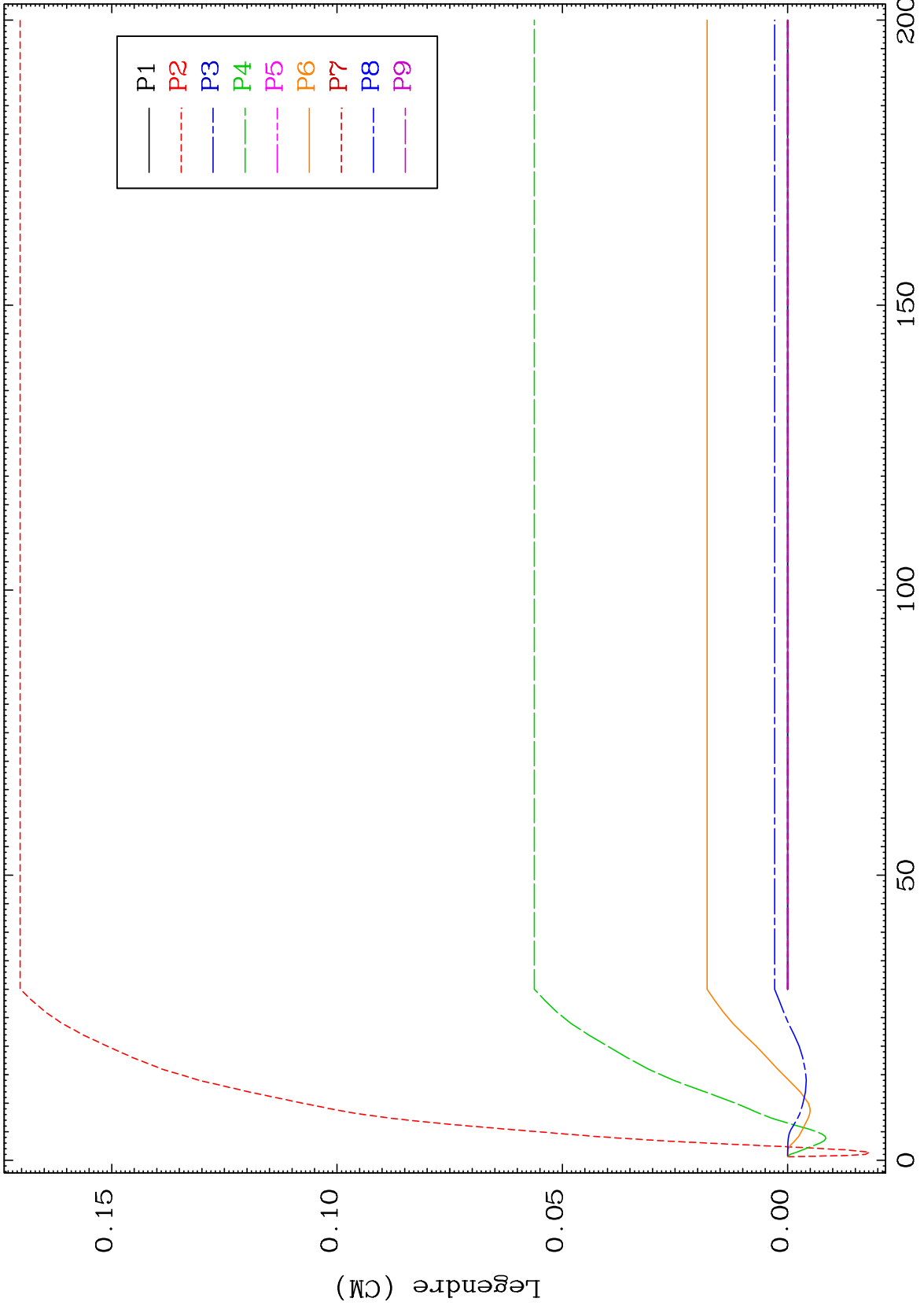
65-Tb-154

MAT 6510 MT= 75 (n,n') Level Legendre Coefficients 65-Tb-154



106 65-Tb-154

MAT 6510 MT= 76 (n,n') Level Legendre Coefficients 65-Tb-154

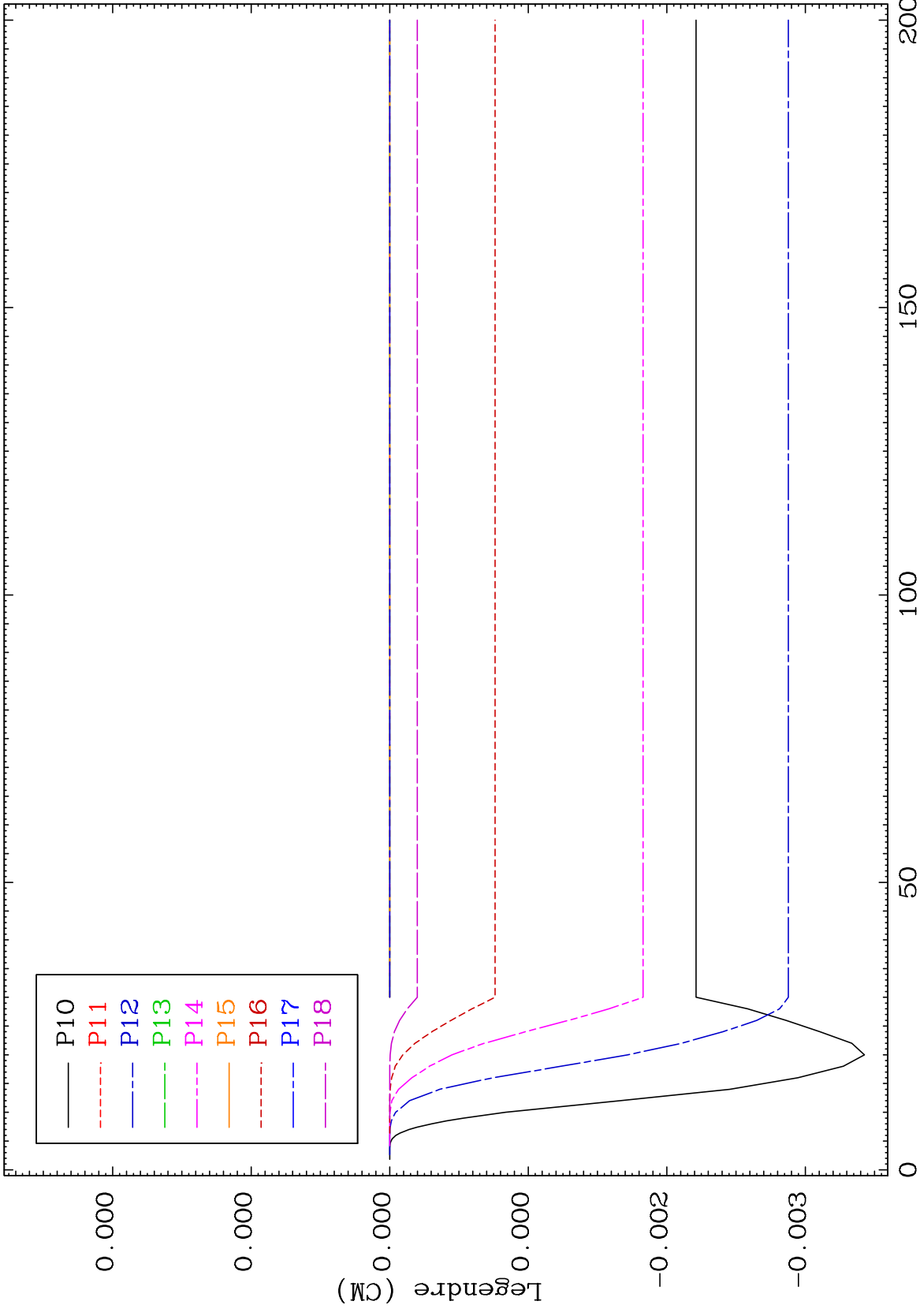


107 Incident Energy (MeV) 65-Tb-154

MAT 6510

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

65-Tb-154

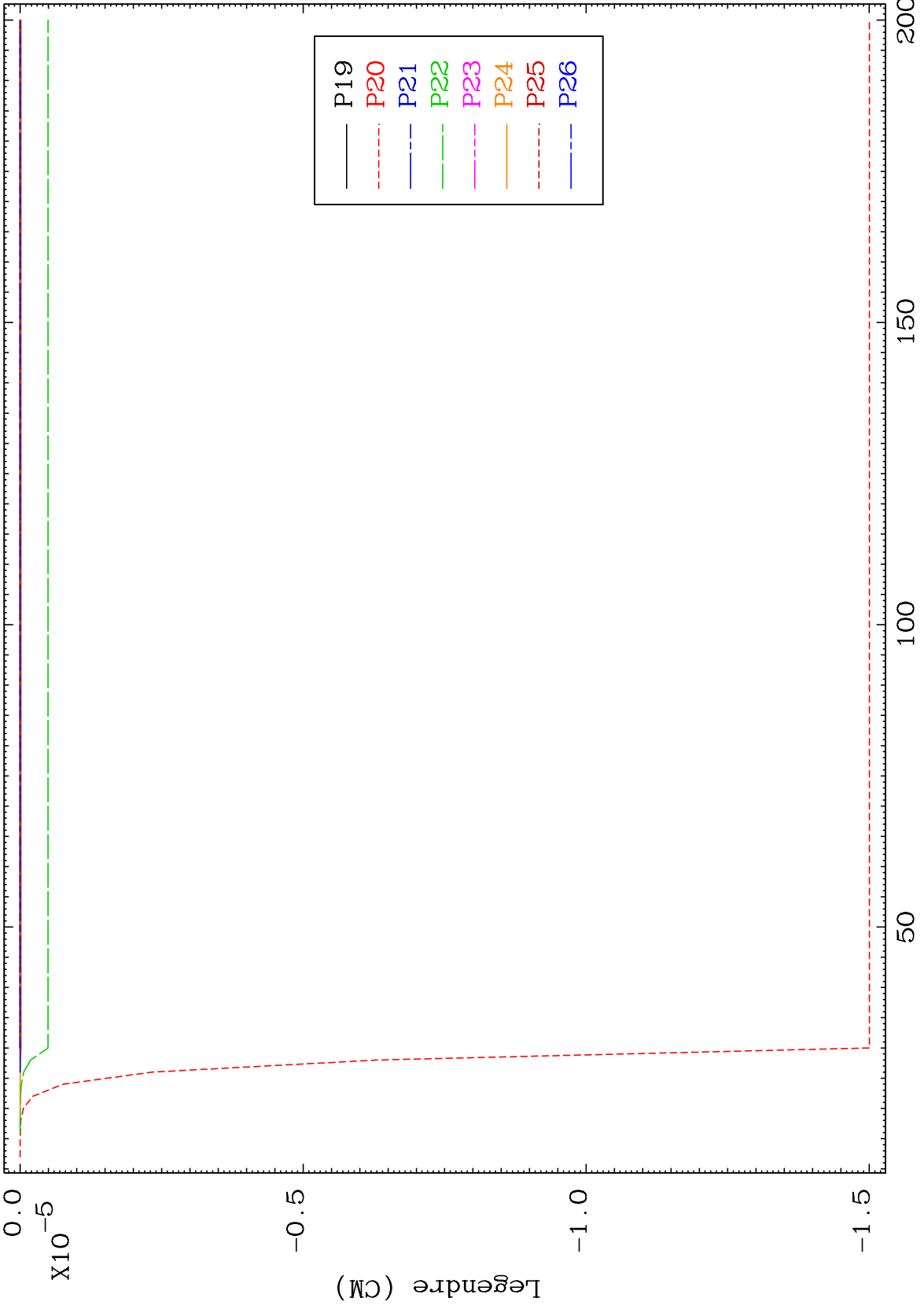


108

Incident Energy (MeV)

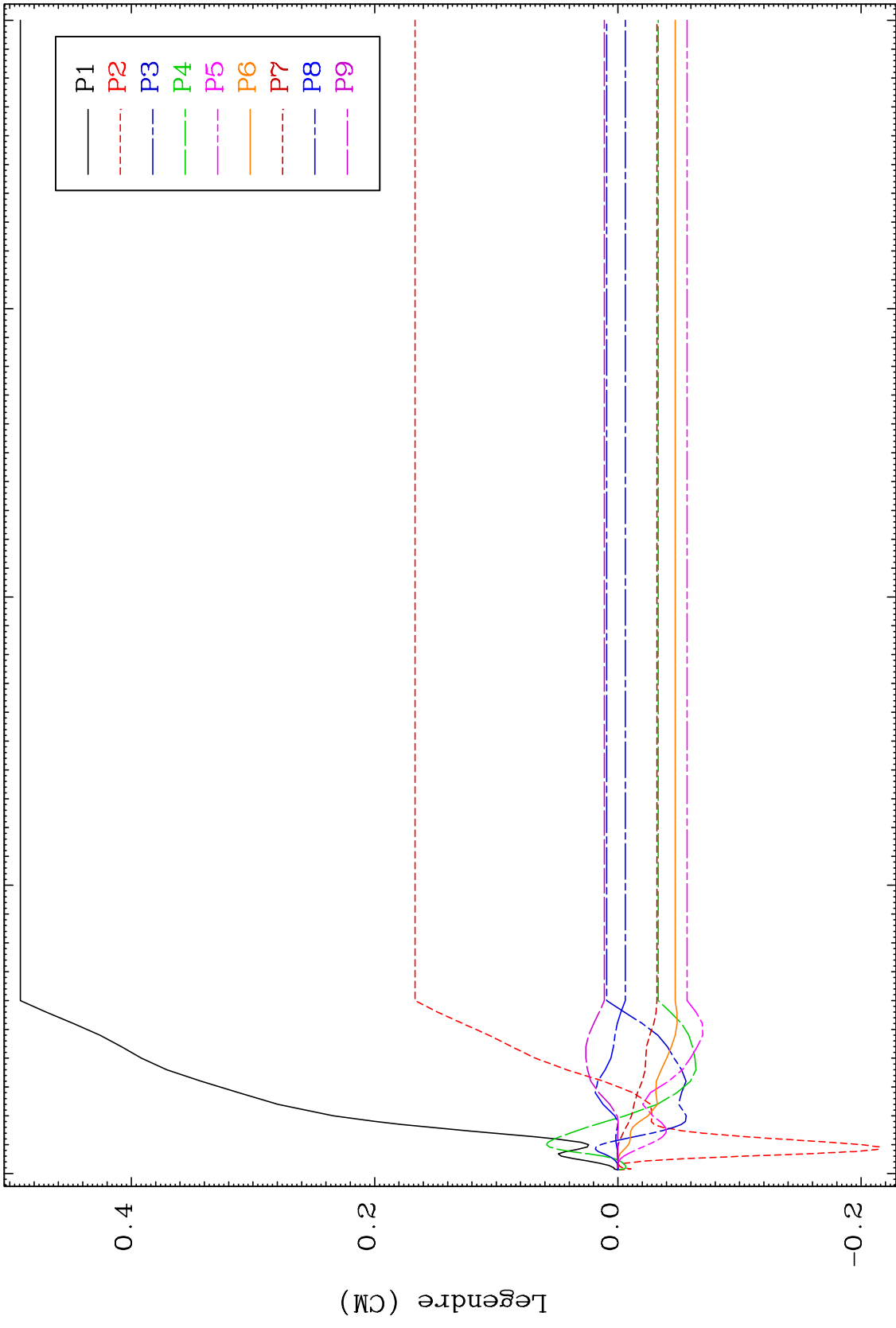
65-Tb-154

MAT 6510 MT= 76 (n,n') Level Legendre Coefficients 65-Tb-154



109 65-Tb-154

MAT 6510 MT= 77 (n,n') Level Legendre Coefficients 65-Tb-154

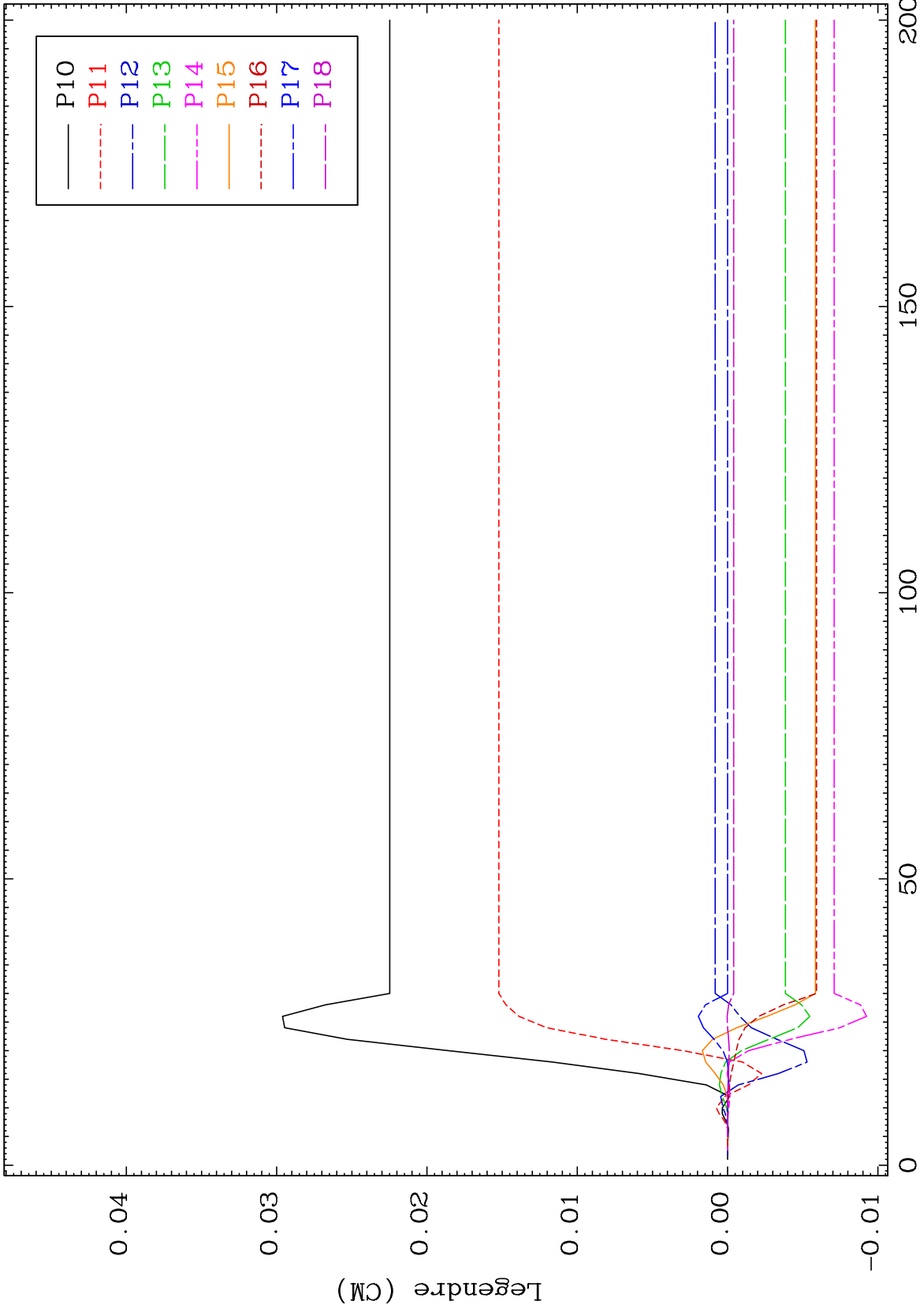


110 Incident Energy (MeV) 65-Tb-154

MAT 6510

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

65-Tb-154



111

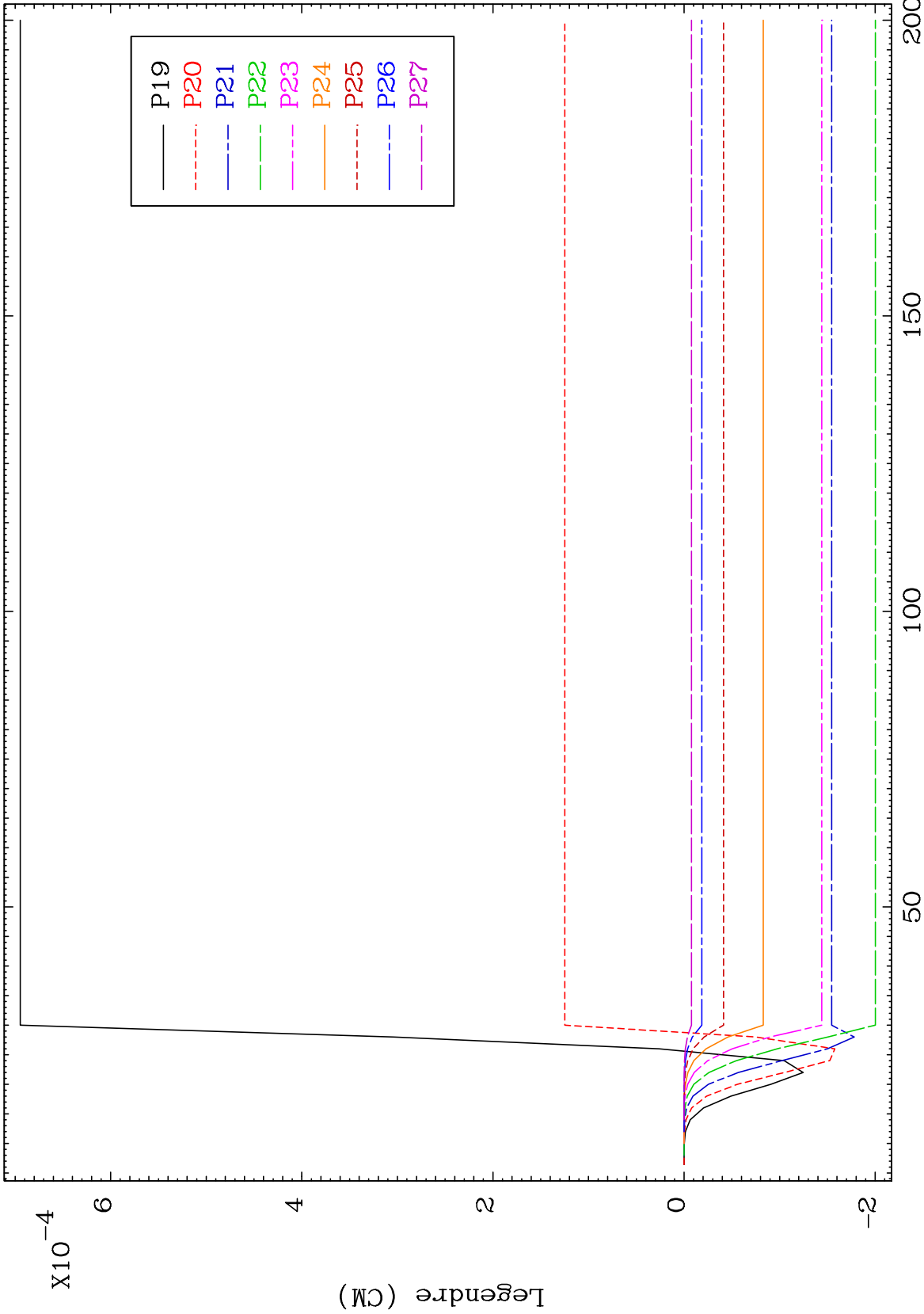
Incident Energy (MeV)

65-Tb-154

MAT 6510

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

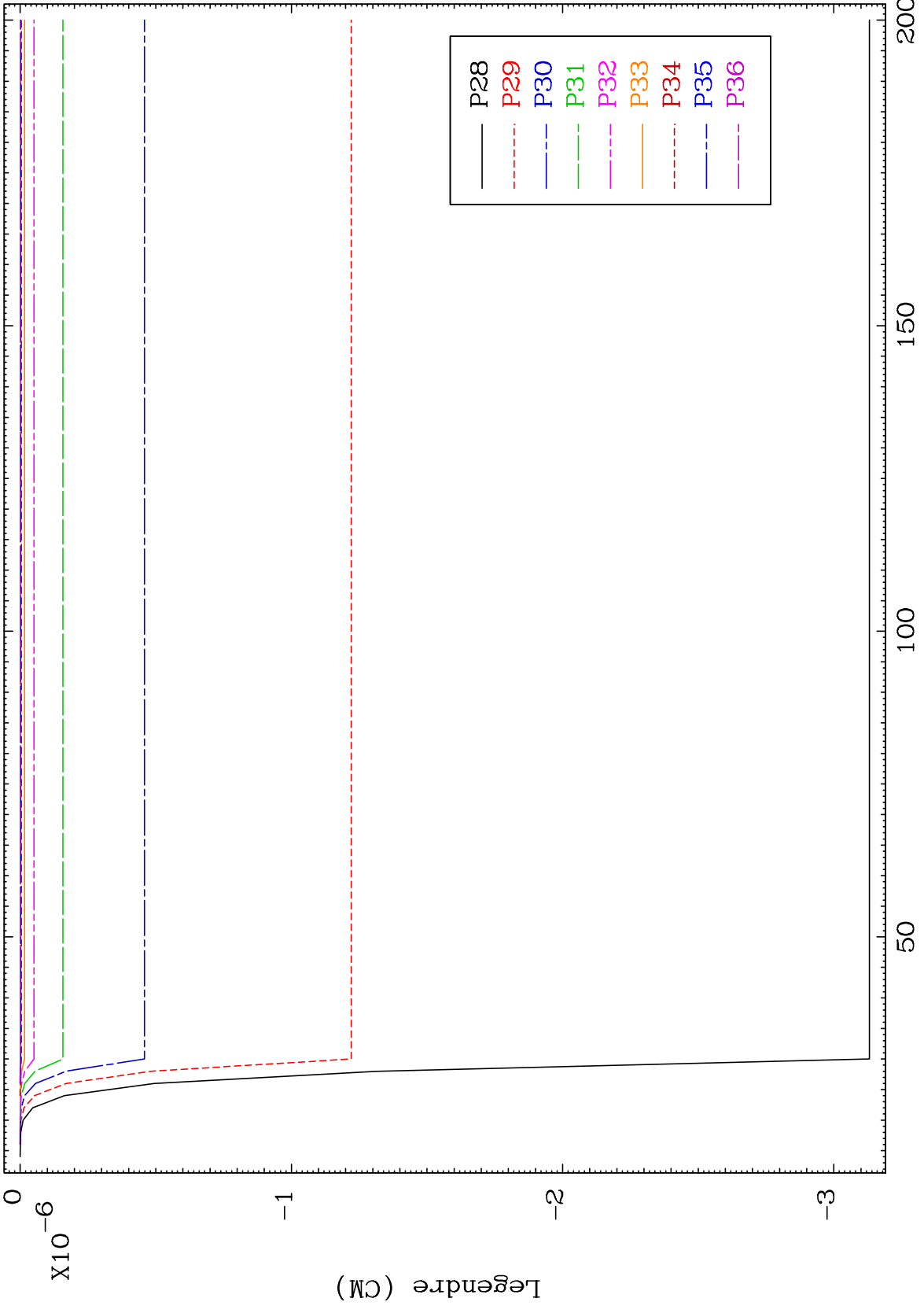
65-Tb-154



112

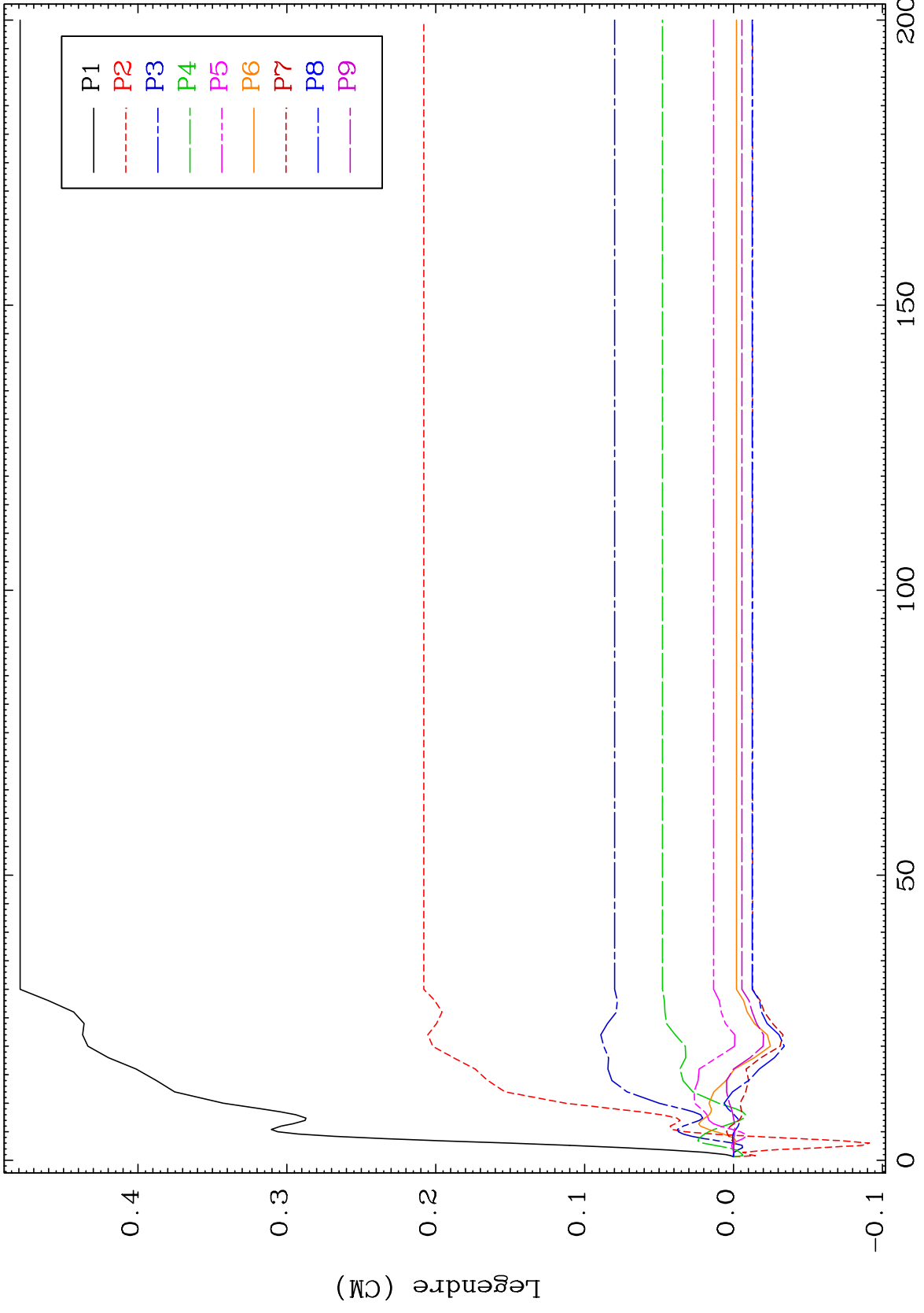
65-Tb-154

MAT 6510 MT= 77 (n,n') Level Legendre Coefficients 65-Tb-154



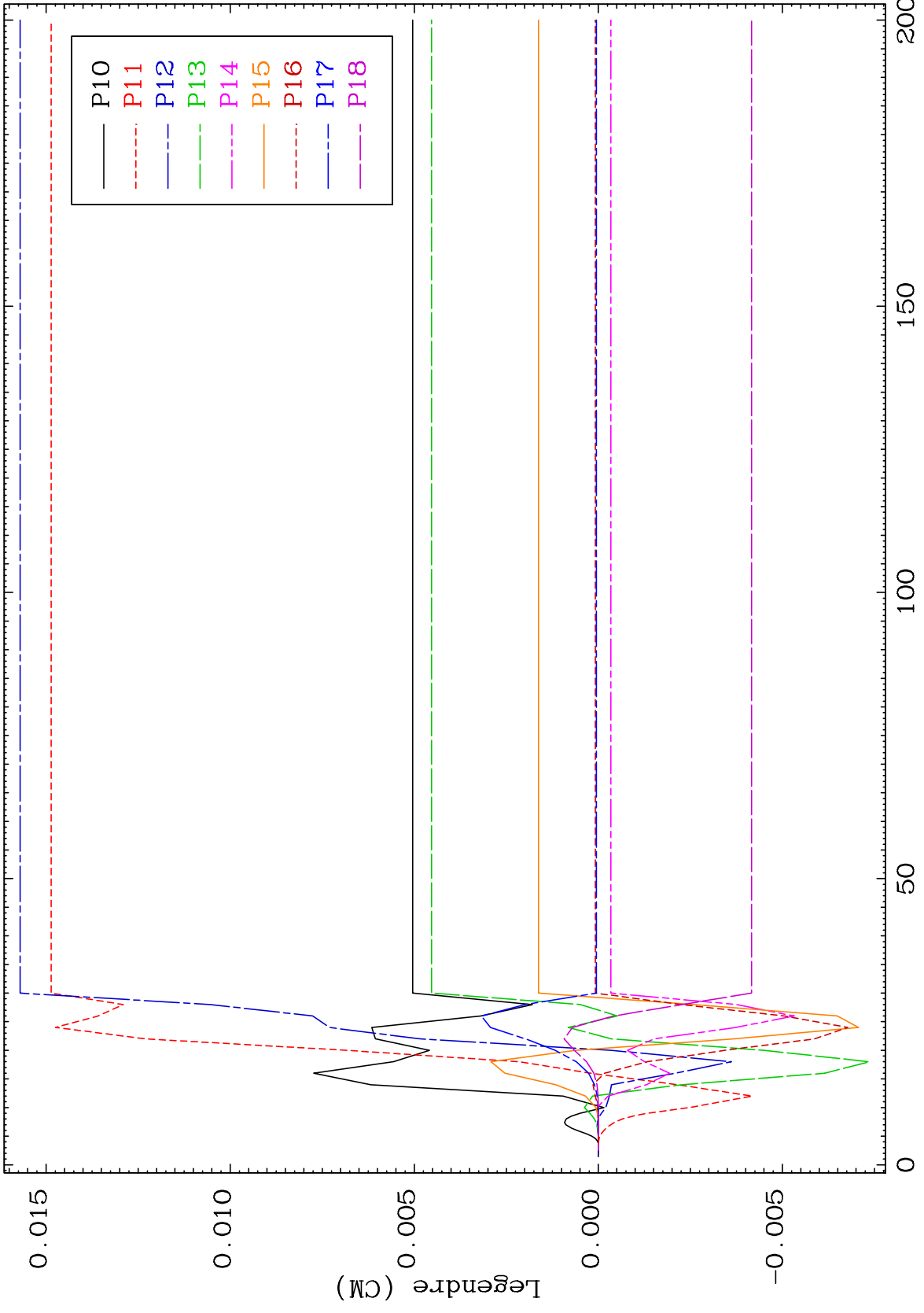
113 65-Tb-154

MAT 6510 MT= 78 (n,n') Level Legendre Coefficients 65-Tb-154



114 65-Tb-154

MAT 6510 MT= 78 (n,n') Level Legendre Coefficients 65-Tb-154

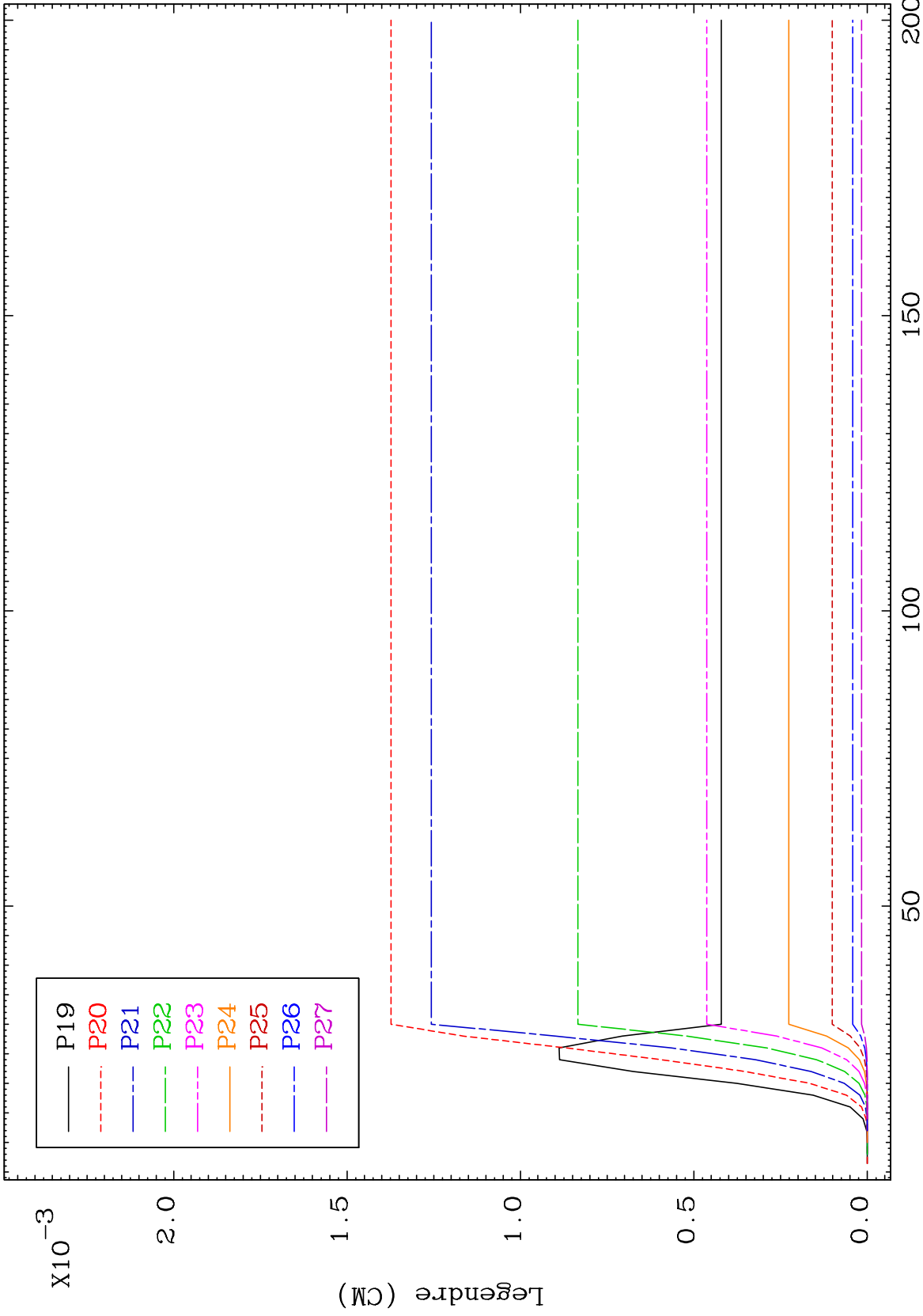


115 65-Tb-154

MAT 6510

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

65-Tb-154



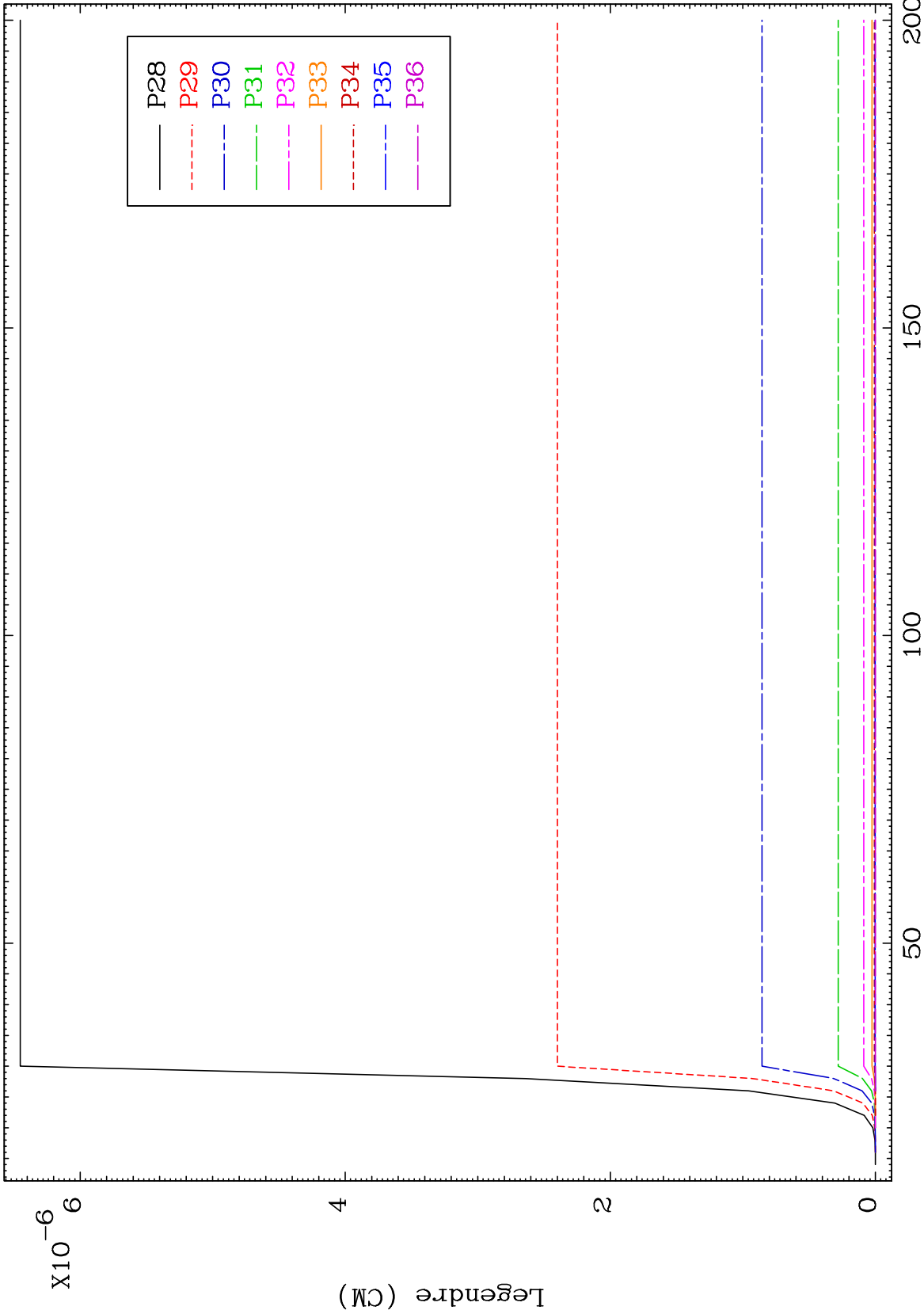
116

65-Tb-154

MAT 6510

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

65-Tb-154



117

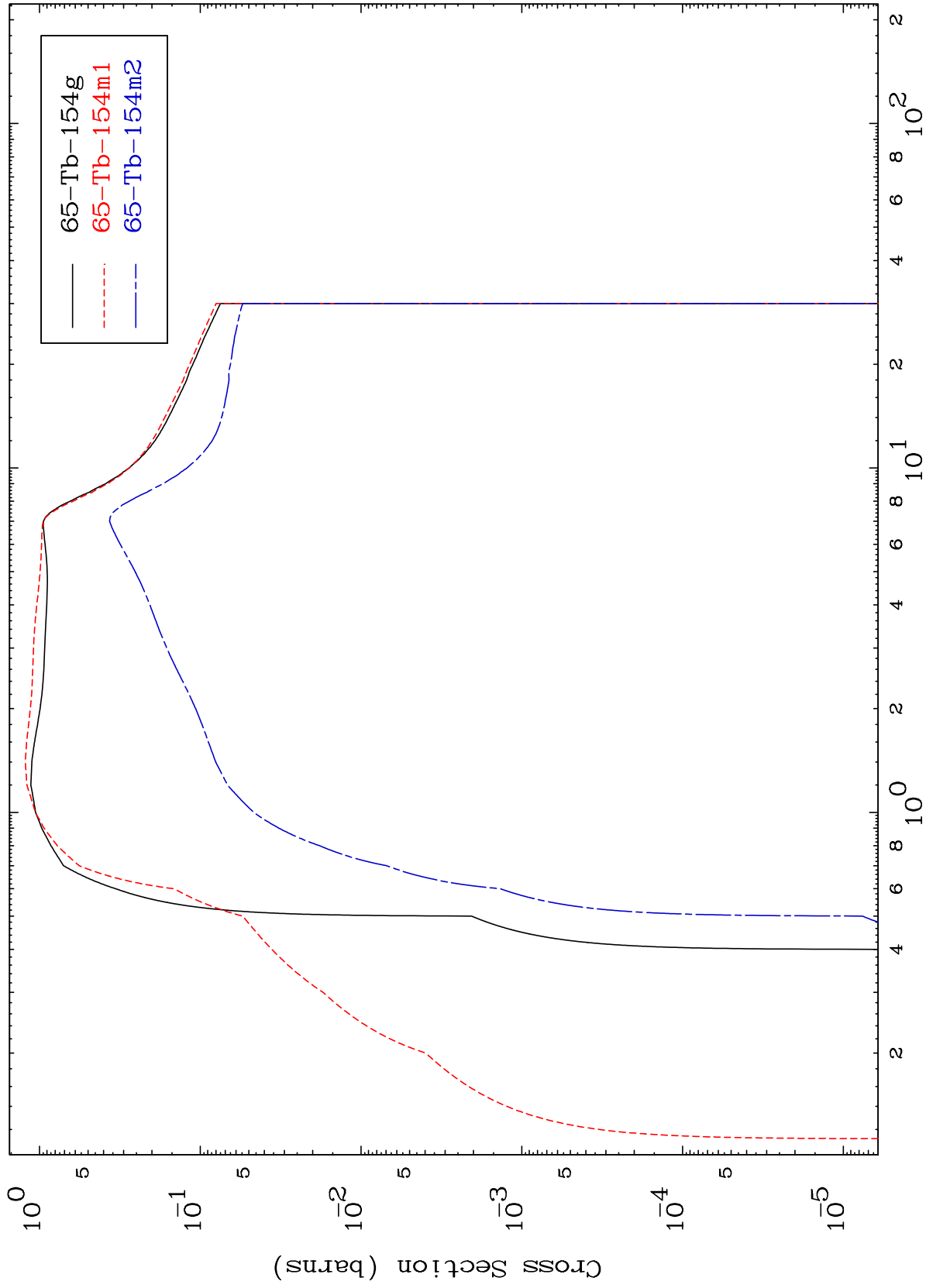
Incident Energy (MeV)

65-Tb-154

MAT 6510

65-Tb-154

Inelastic Radionuclide Production Cross Section



118

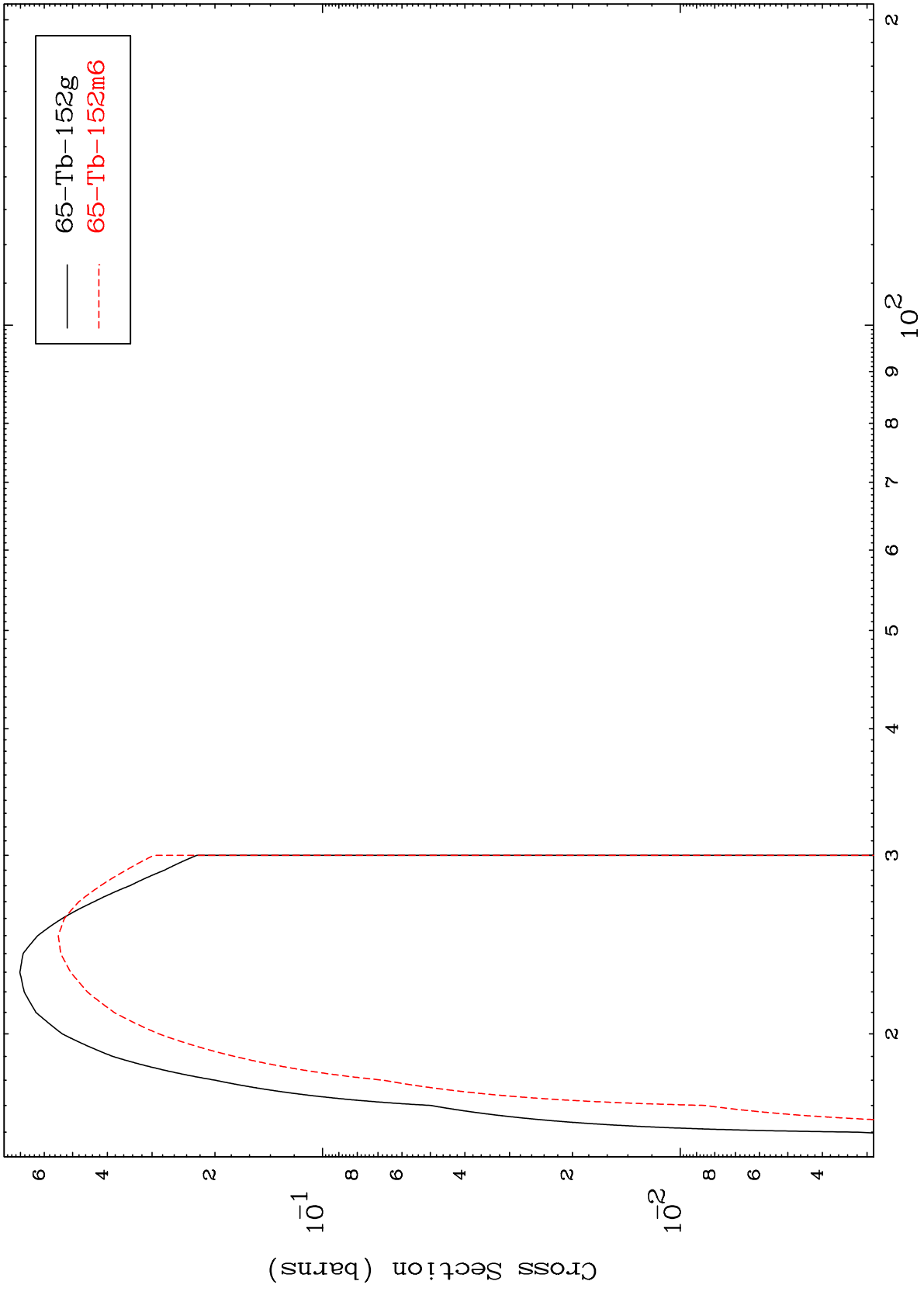
65-Tb-154

MAT 6510

(n,3n)

65-Tb-154

Radionuclide Production Cross Section



65-Tb-152g
65-Tb-152m6

119

Incident Energy (MeV)

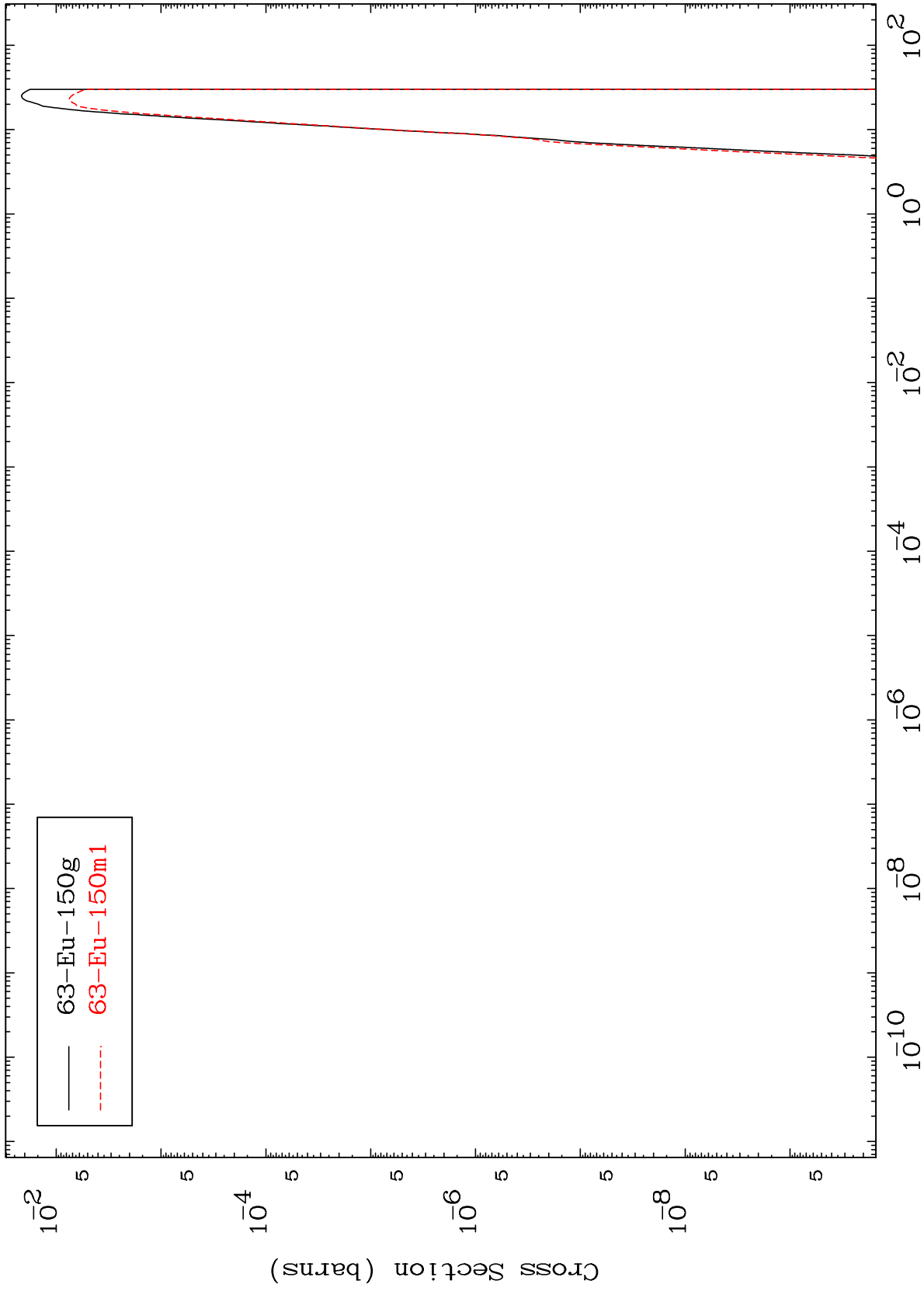
65-Tb-154

MAT 6510

(n,n') α

65-Tb-154

Radionuclide Production Cross Section



120

Incident Energy (MeV)

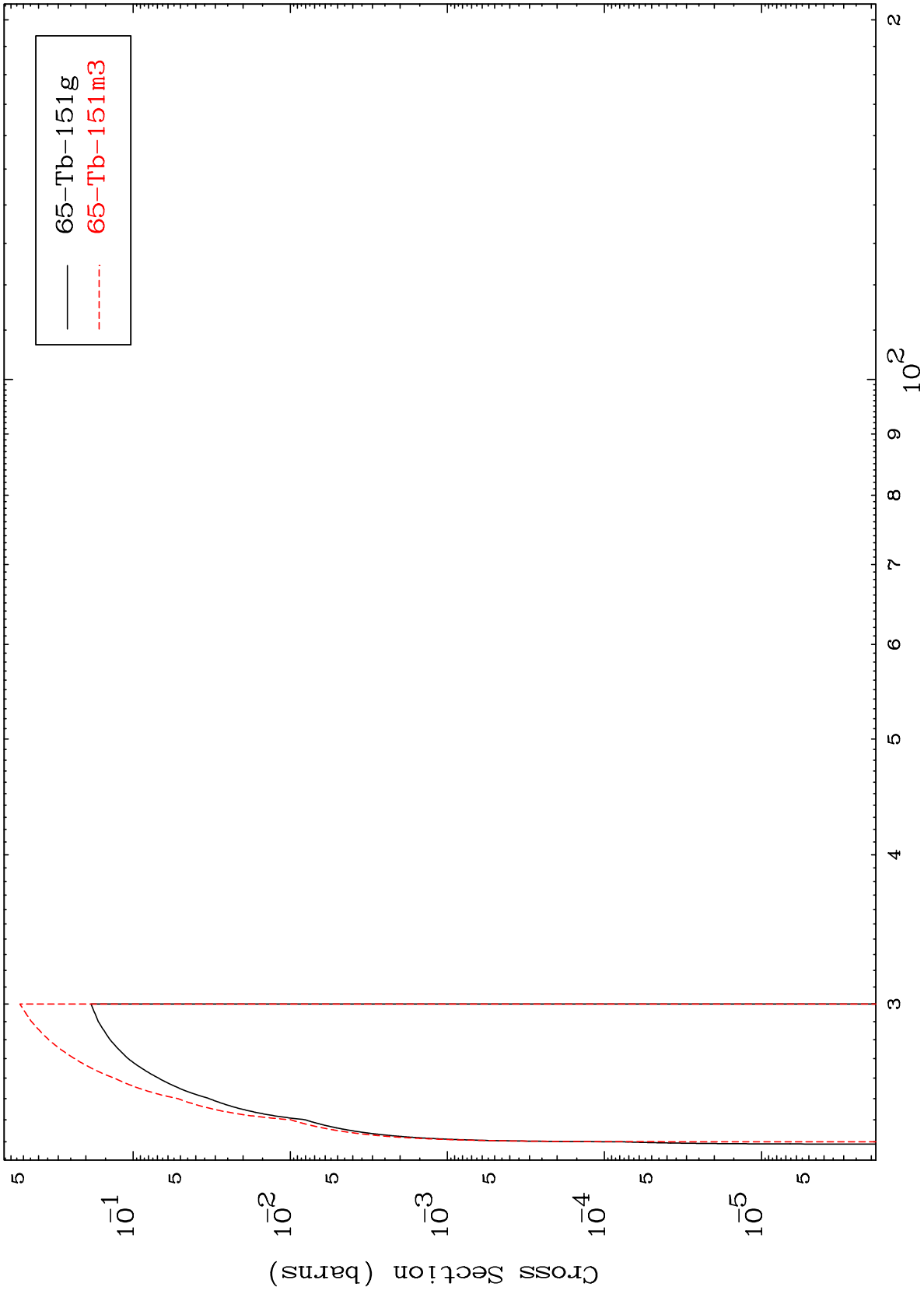
65-Tb-154

MAT 6510

(n,4n)

65-Tb-154

Radionuclide Production Cross Section



121

Incident Energy (MeV)

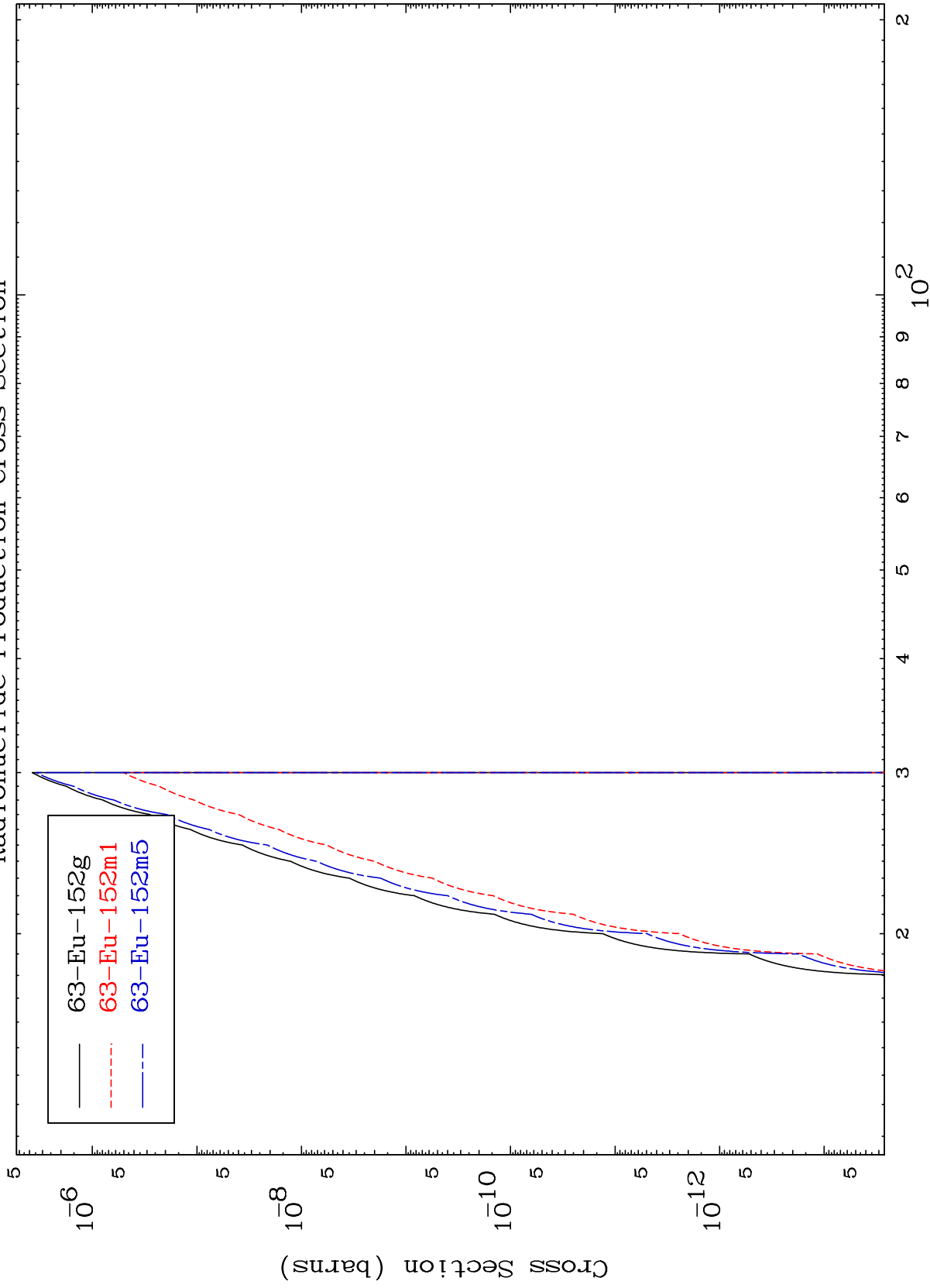
65-Tb-154

MAT 6510

(n,2n) p

65-Tb-154

Radionuclide Production Cross Section



122

Incident Energy (MeV)

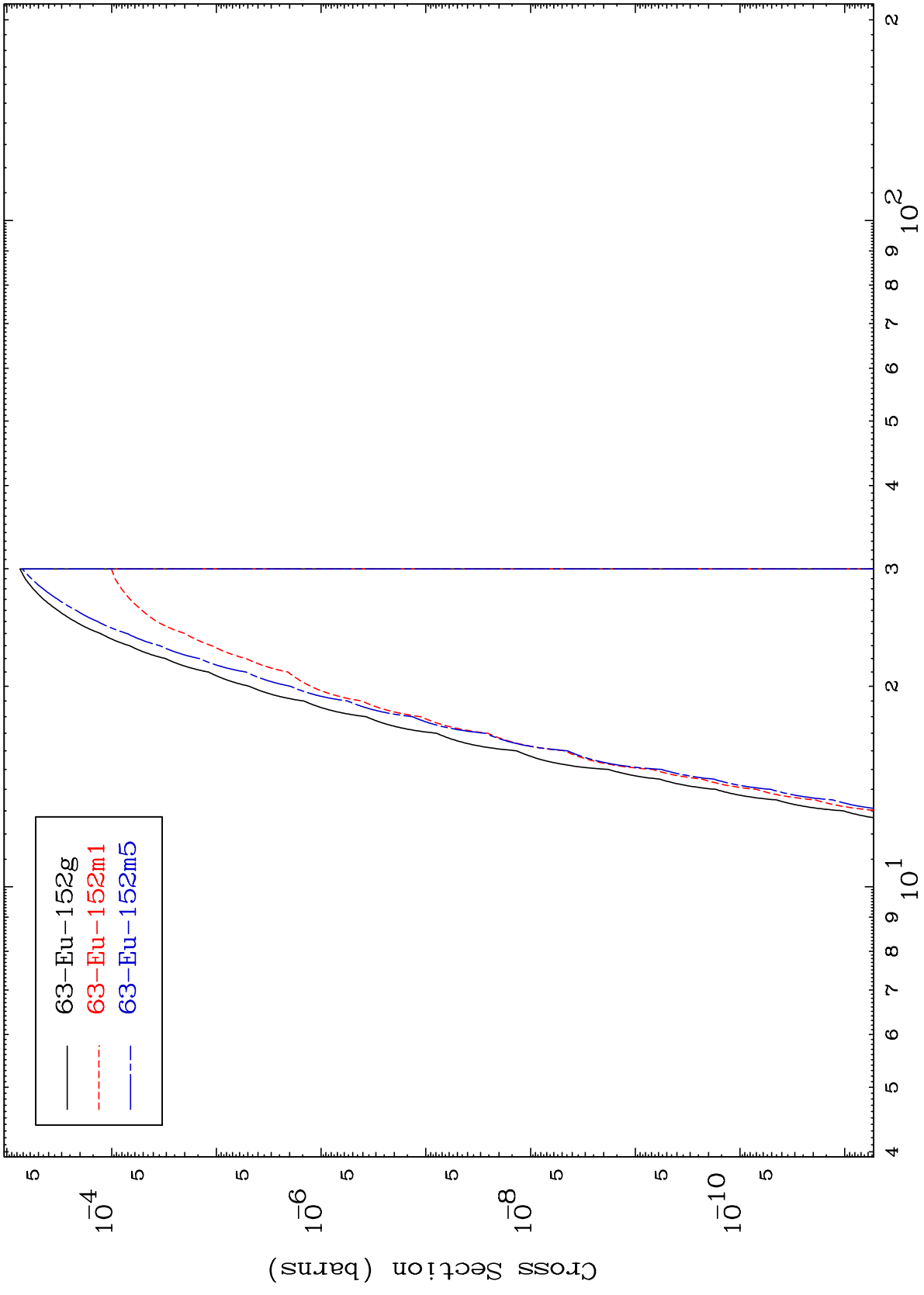
65-Tb-154

MAT 6510

(n, He-3)

65-Tb-154

Radionuclide Production Cross Section



63-Eu-152g
63-Eu-152m1
63-Eu-152m5

123

Incident Energy (MeV)

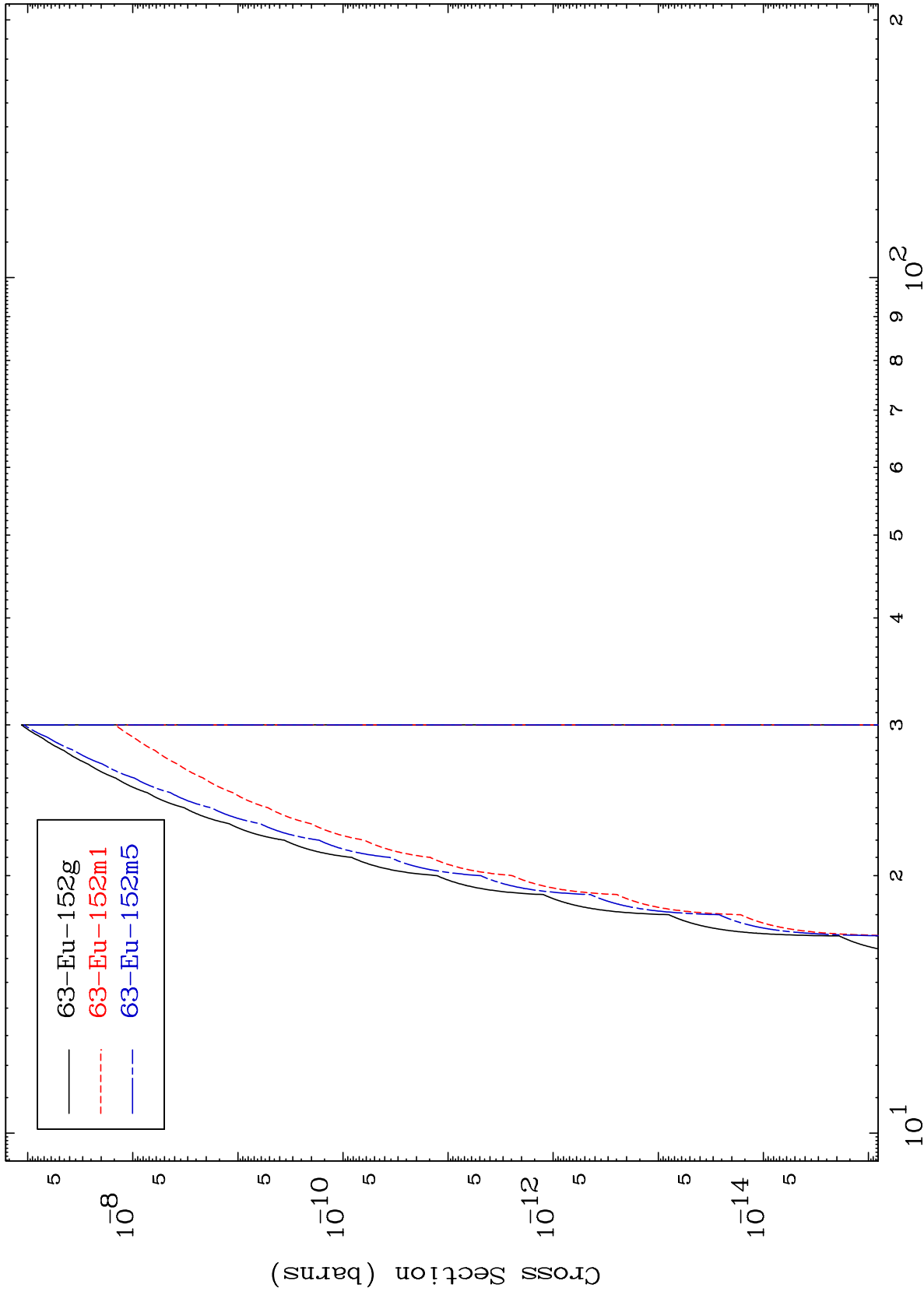
65-Tb-154

MAT 6510

(n,p) d

65-Tb-154

Radionuclide Production Cross Section



124

Incident Energy (MeV)

65-Tb-154