

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

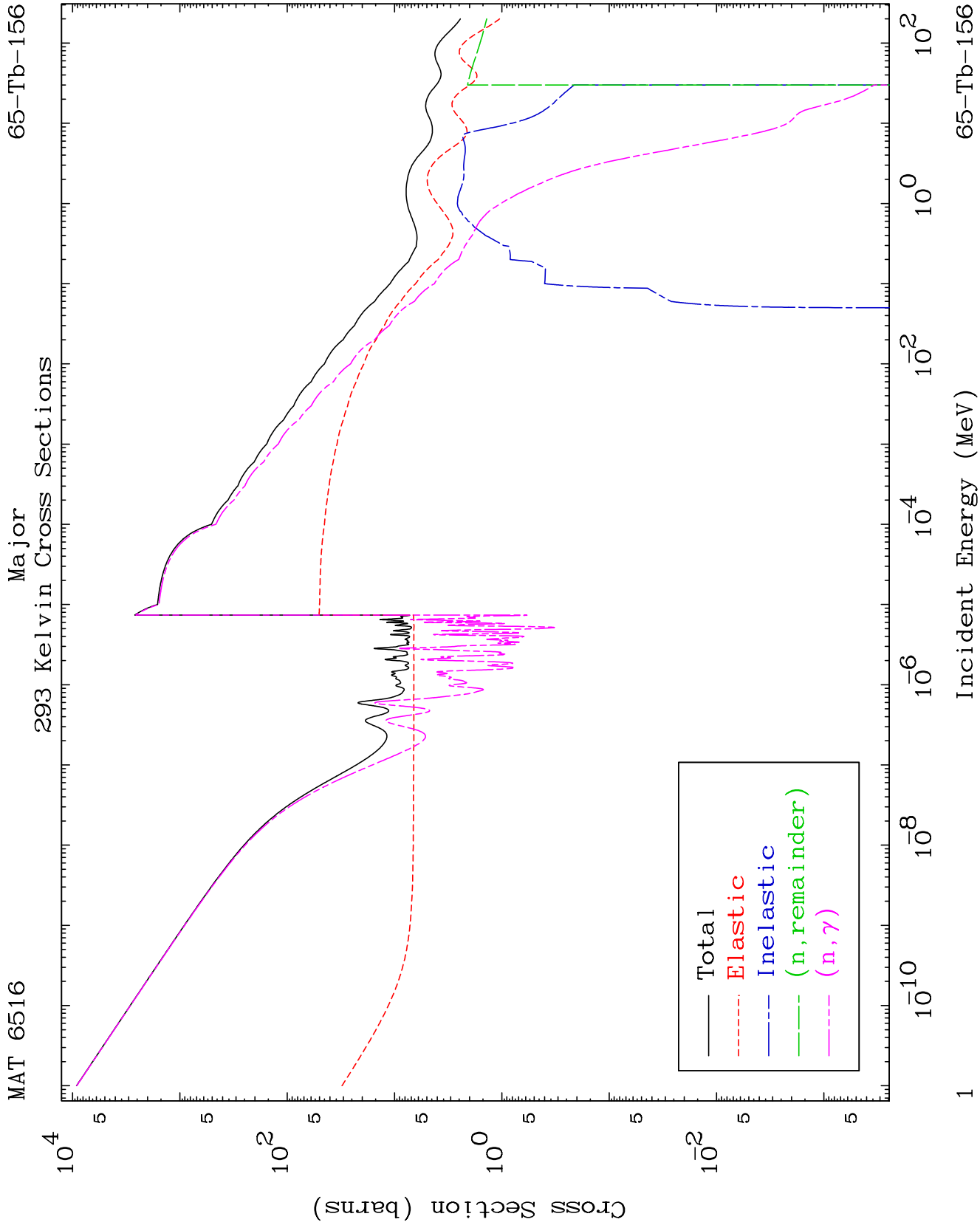
Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

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

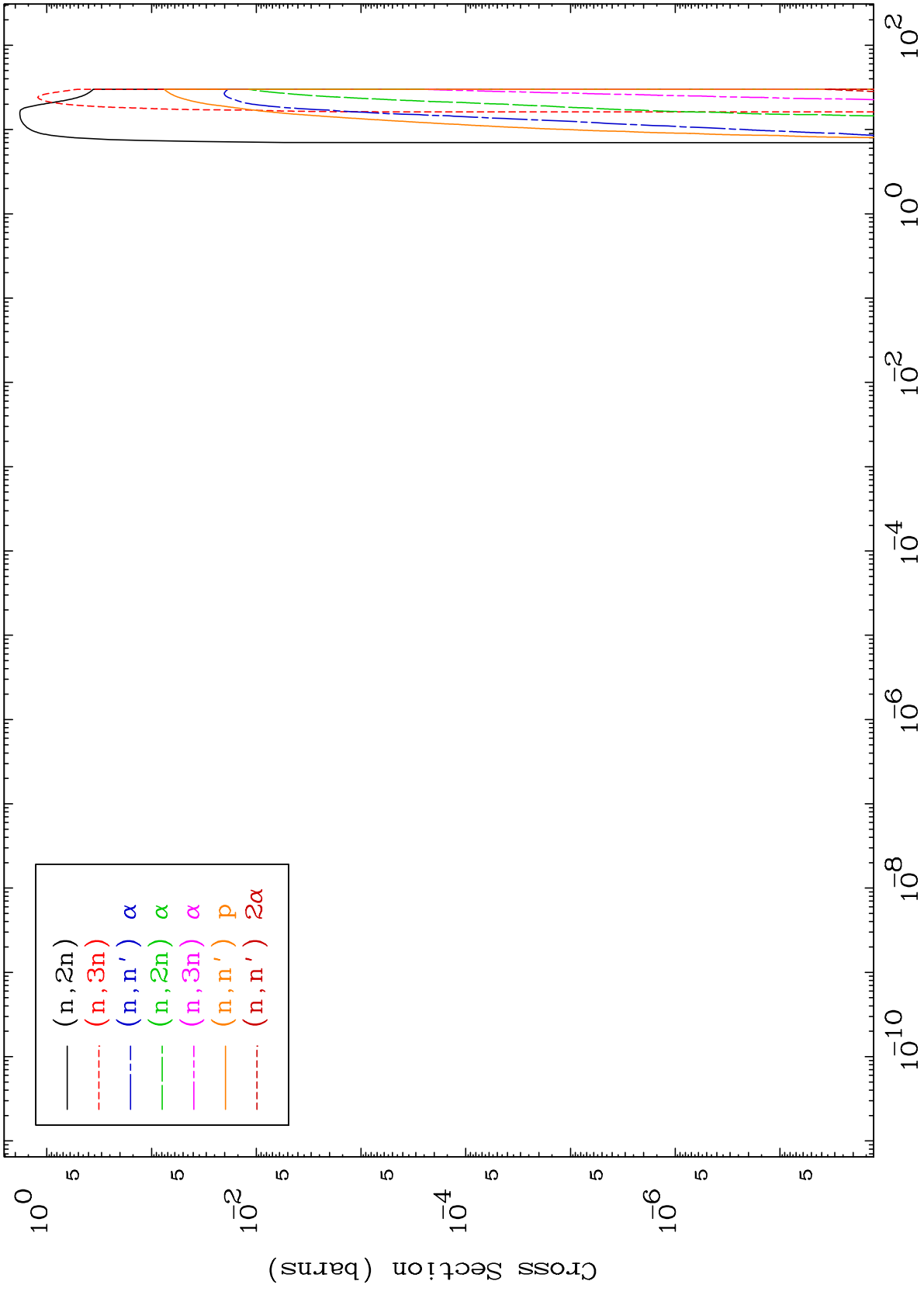
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MAT 6516

Neutron Production  
293 Kelvin Cross Sections

65-Tb-156

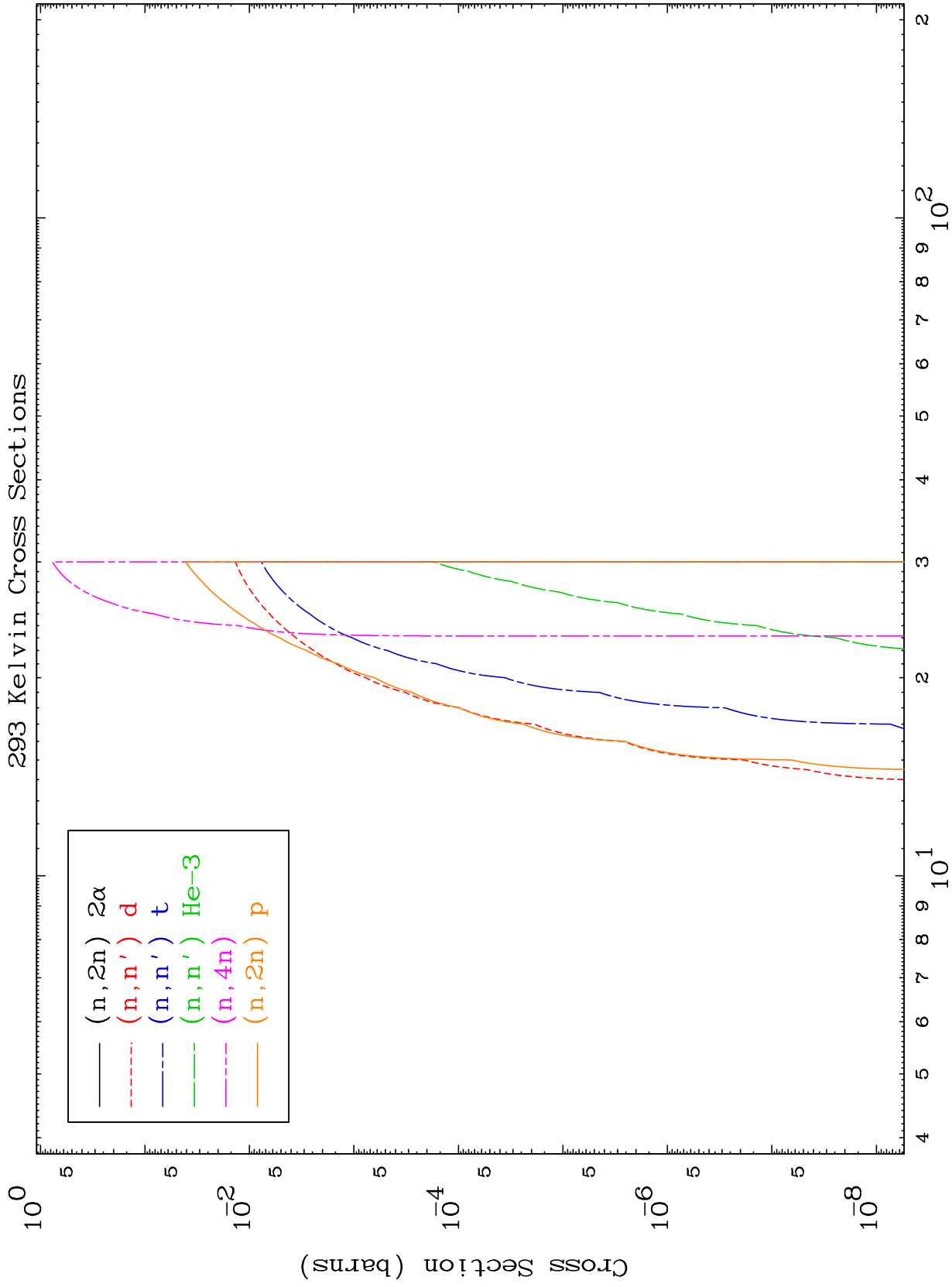


65-Tb-156

MAT 6516

Neutron Production  
293 Kelvin Cross Sections

65-Tb-156



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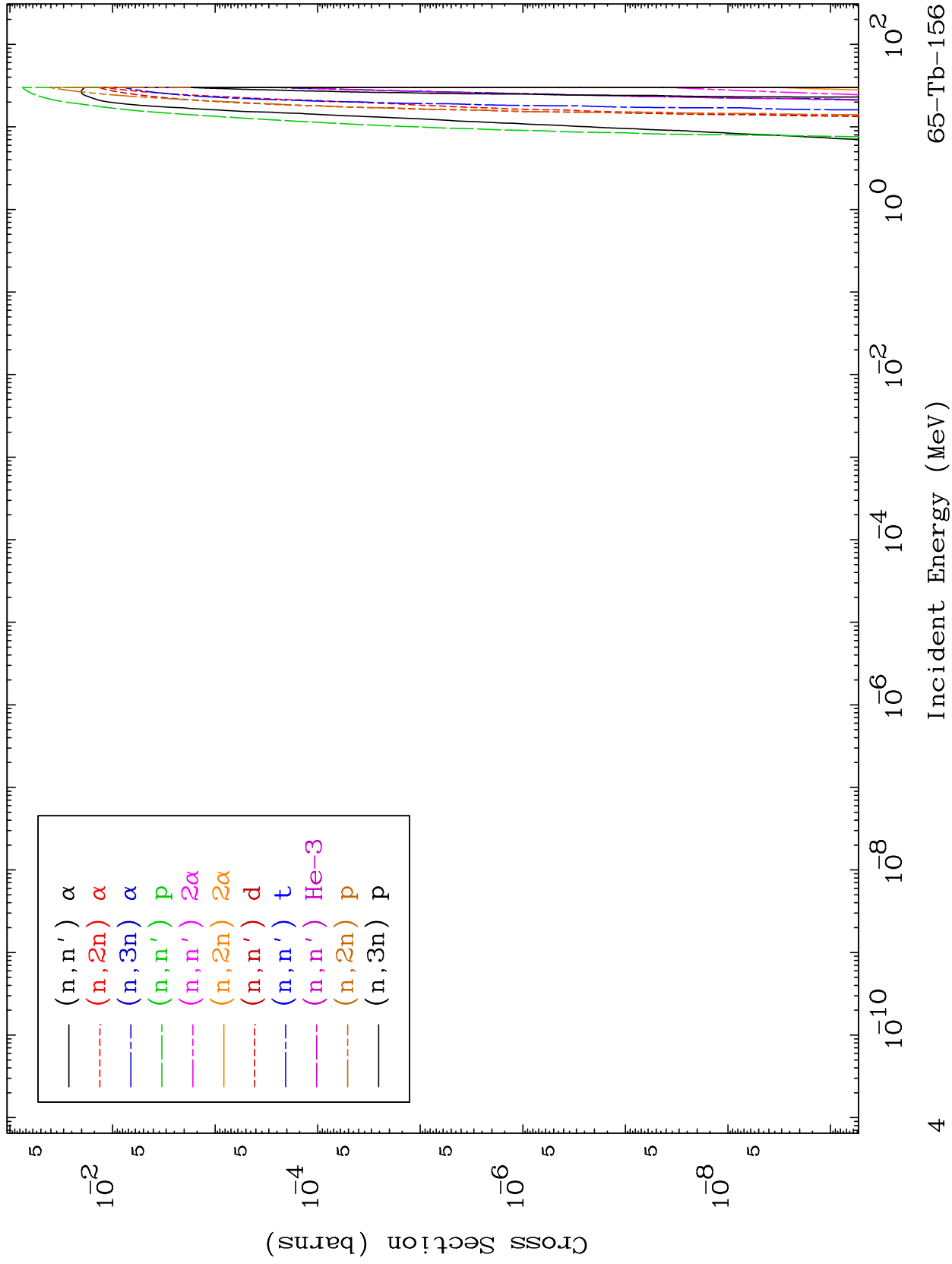
Incident Energy (MeV)

65-Tb-156

MAT 6516

Charged Particle  
293 Kelvin Cross Sections

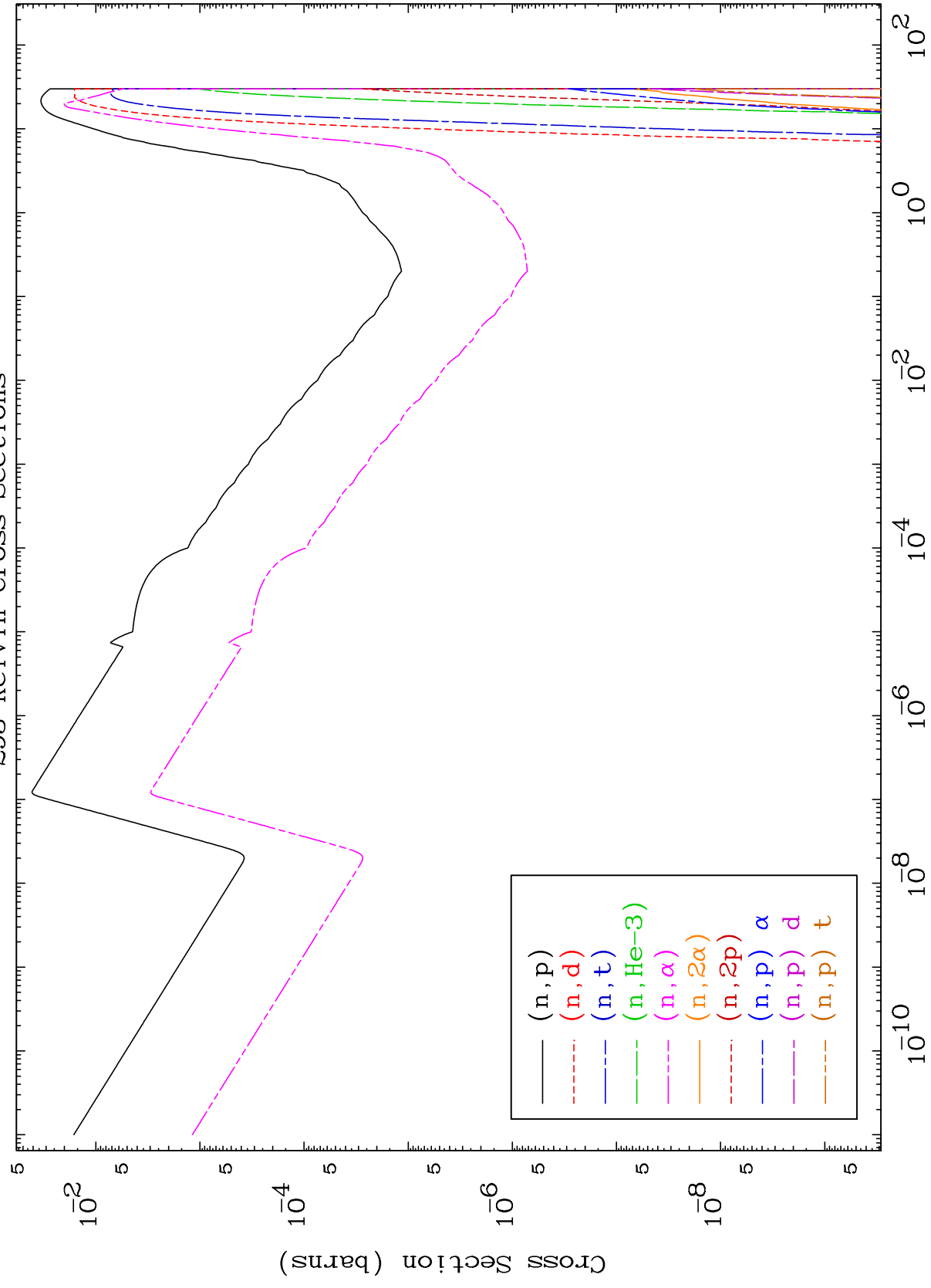
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MAT 6516

293 Kelvin Cross Sections

65-Tb-156

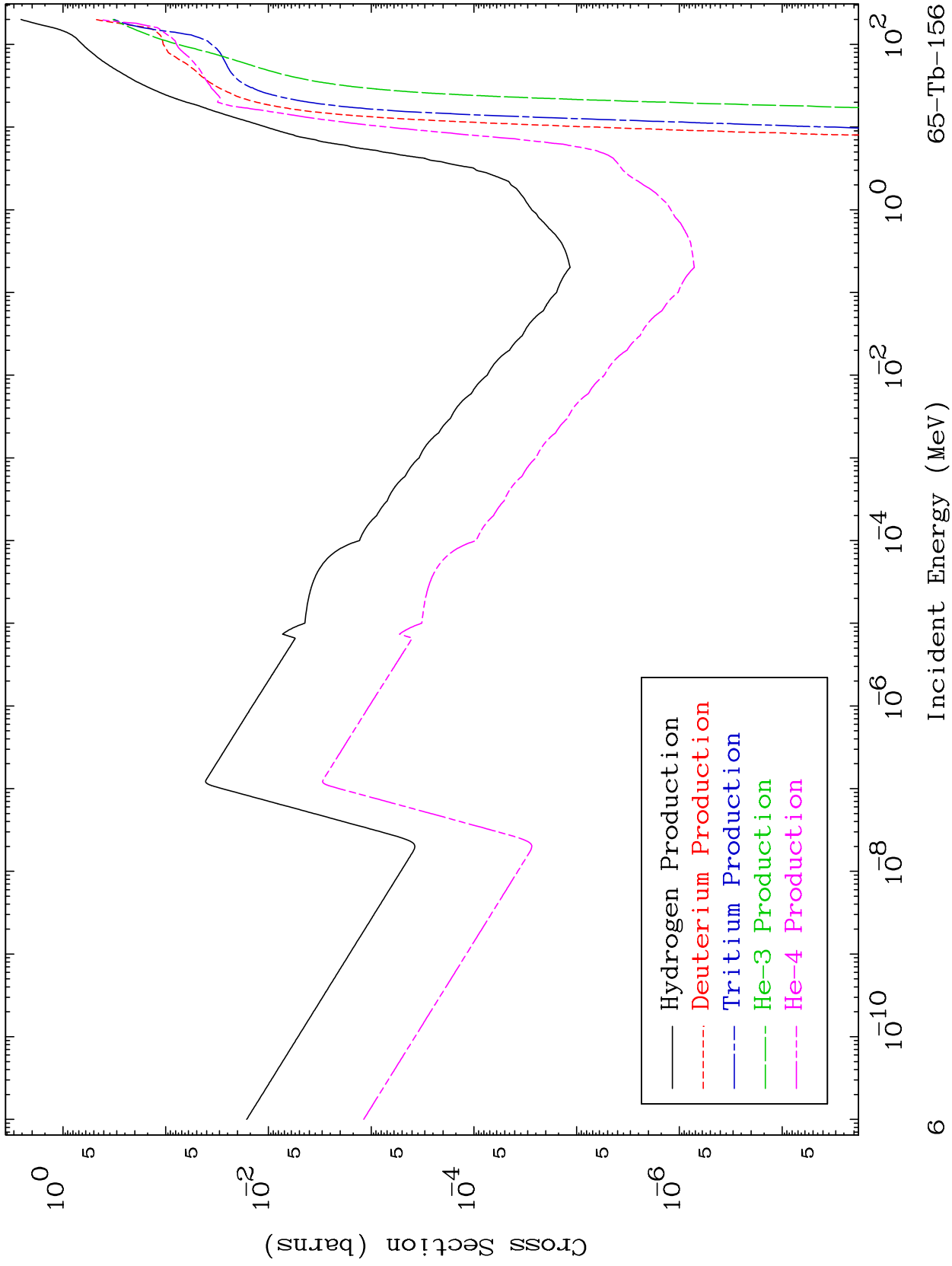


65-Tb-156

MAT 6516

Particle Production  
293 Kelvin Cross Sections

65-Tb-156

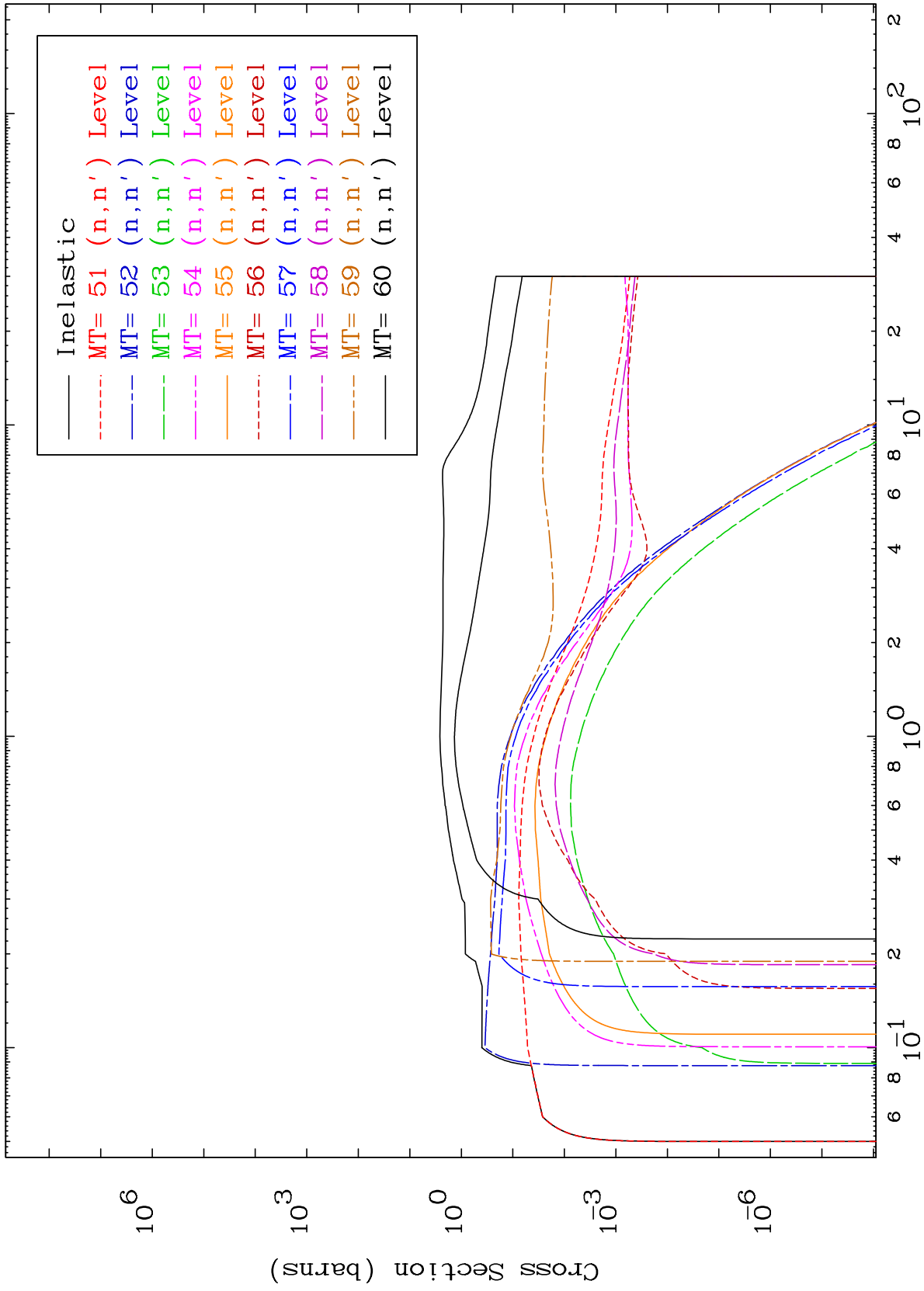


MAT 6516

(n,n') Level

65-Tb-156

293 Kelvin Cross Sections



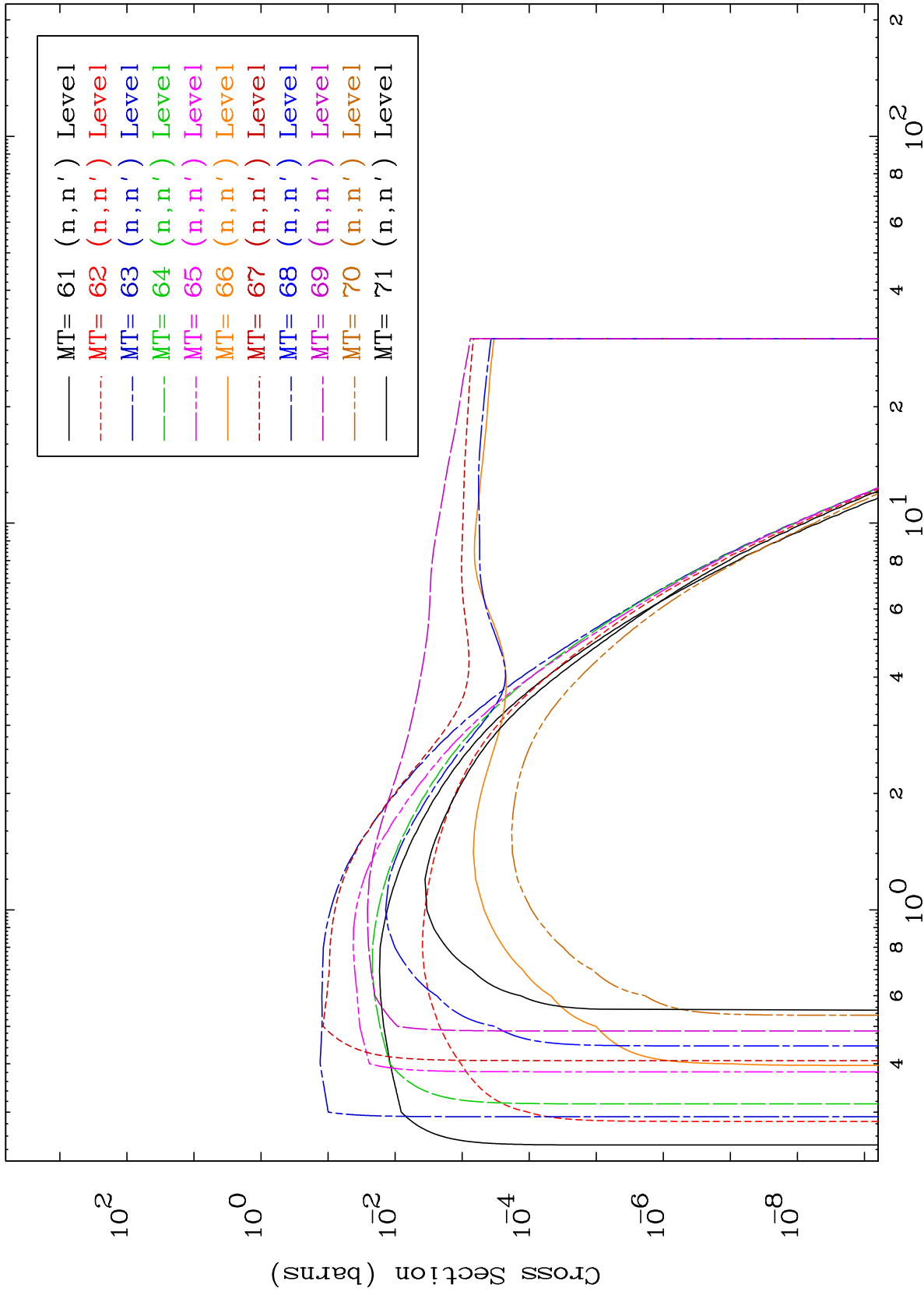


MAT 6516

(n,n') Level

65-Tb-156

293 Kelvin Cross Sections



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Incident Energy (MeV)

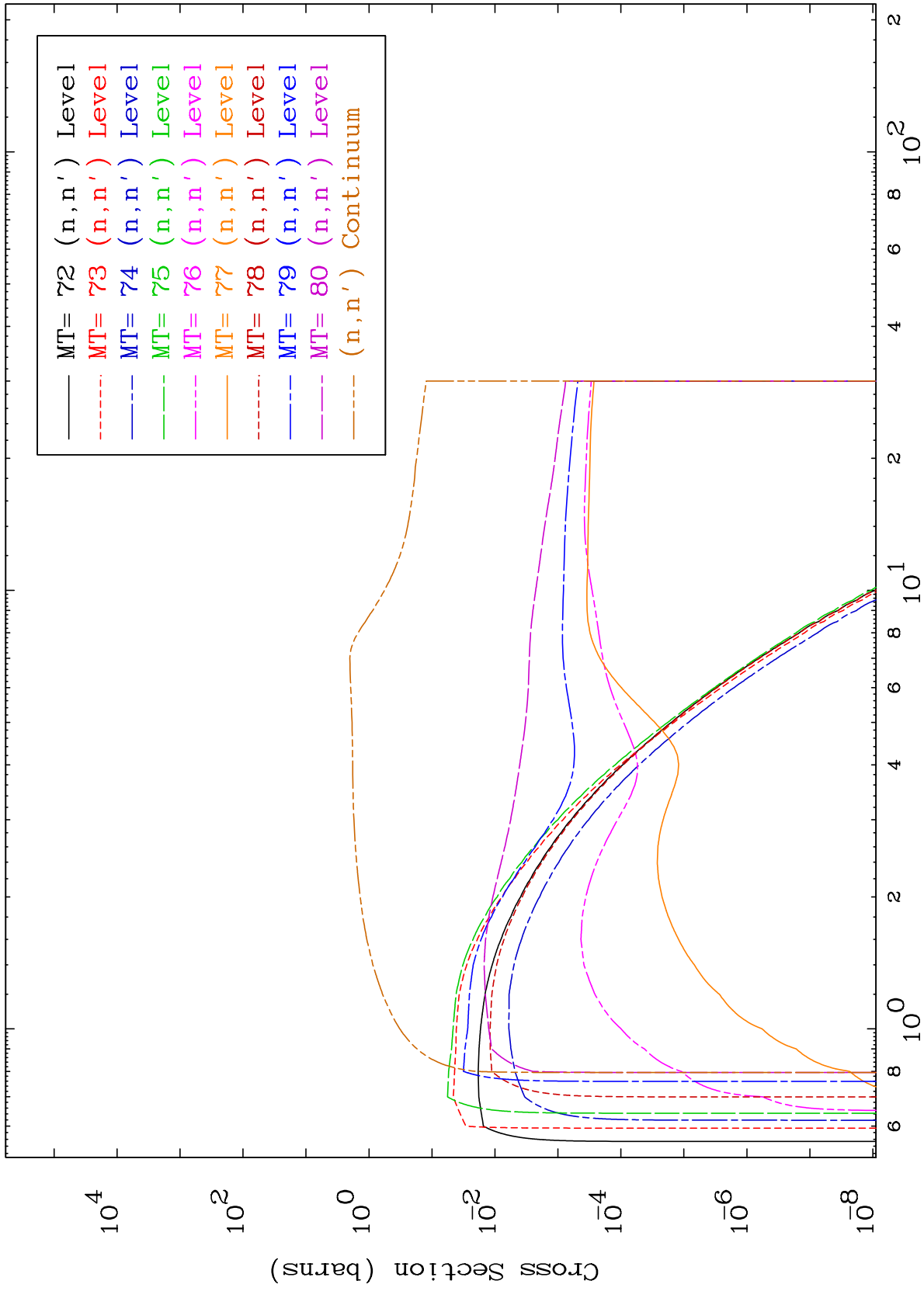
65-Tb-156

MAT 6516

(n,n') Level

65-Tb-156

293 Kelvin Cross Sections



9

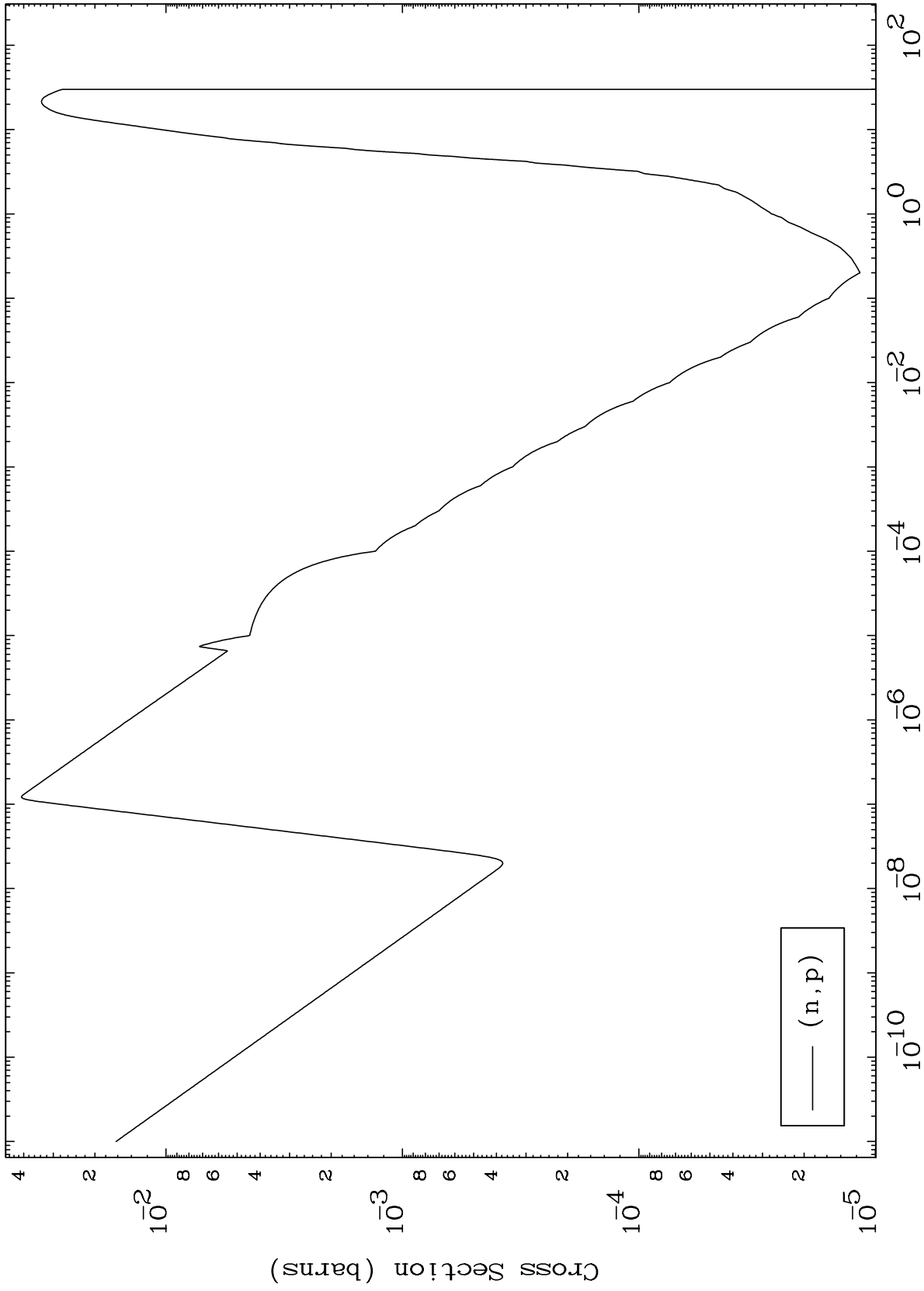
Incident Energy (MeV)

65-Tb-156

MAT 6516

(n,p) Levels  
293 Kelvin Cross Sections

65-Tb-156



10

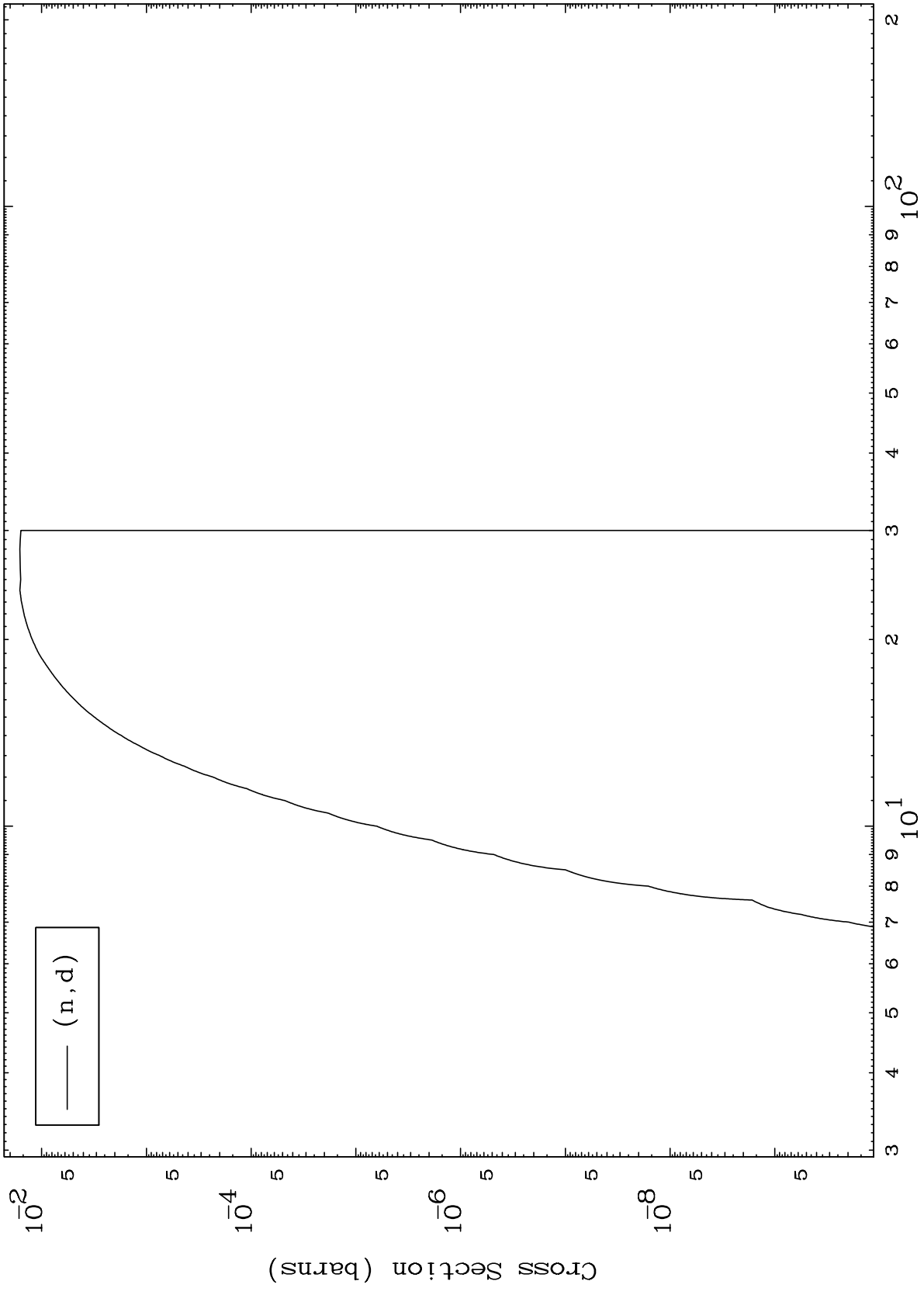
Incident Energy (MeV)

65-Tb-156

MAT 6516

(n,d) Levels  
293 Kelvin Cross Sections

65-Tb-156



11

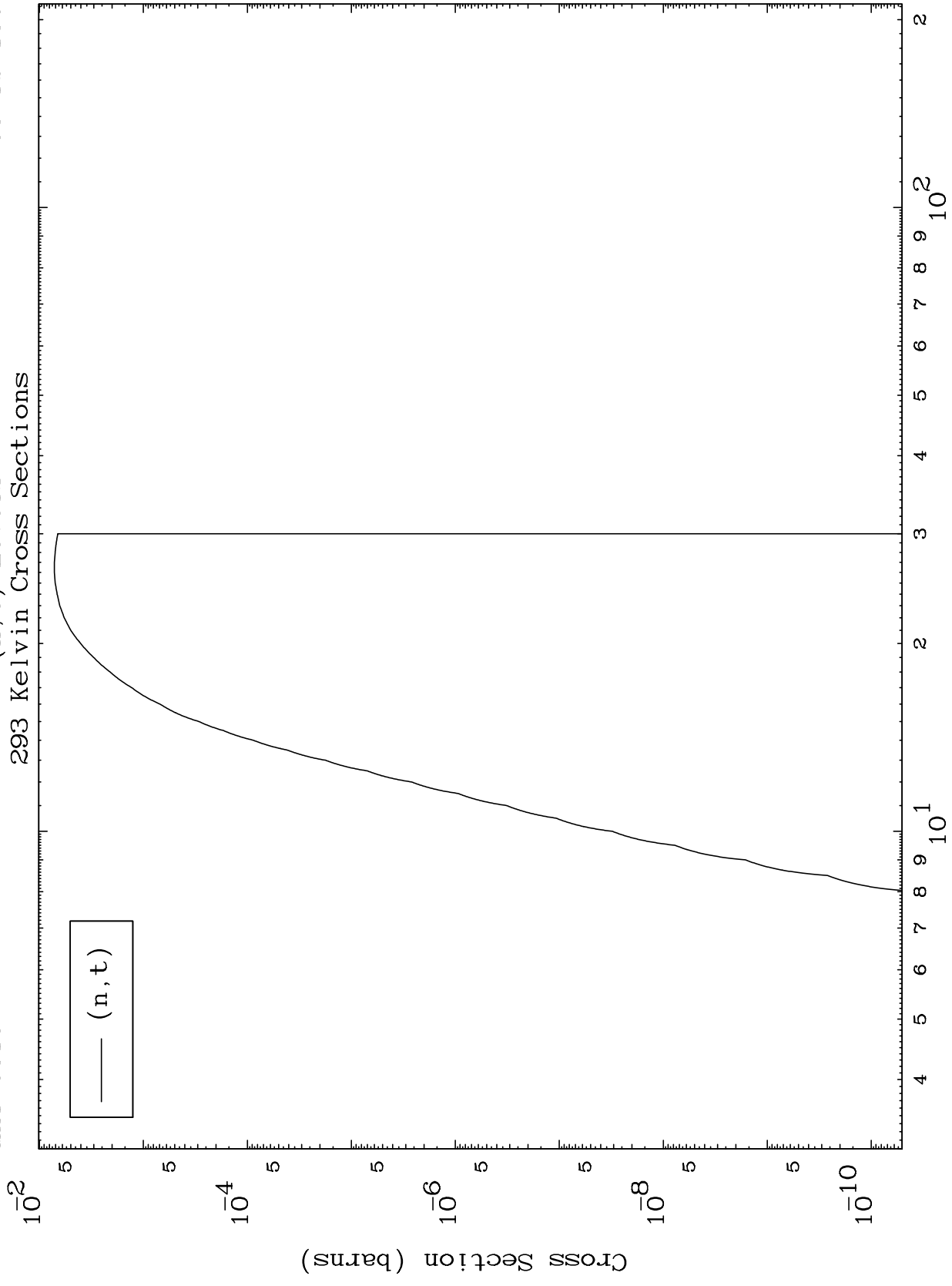
Incident Energy (MeV)

65-Tb-156

MAT 6516

(n,t) Levels  
293 Kelvin Cross Sections

65-Tb-156



12

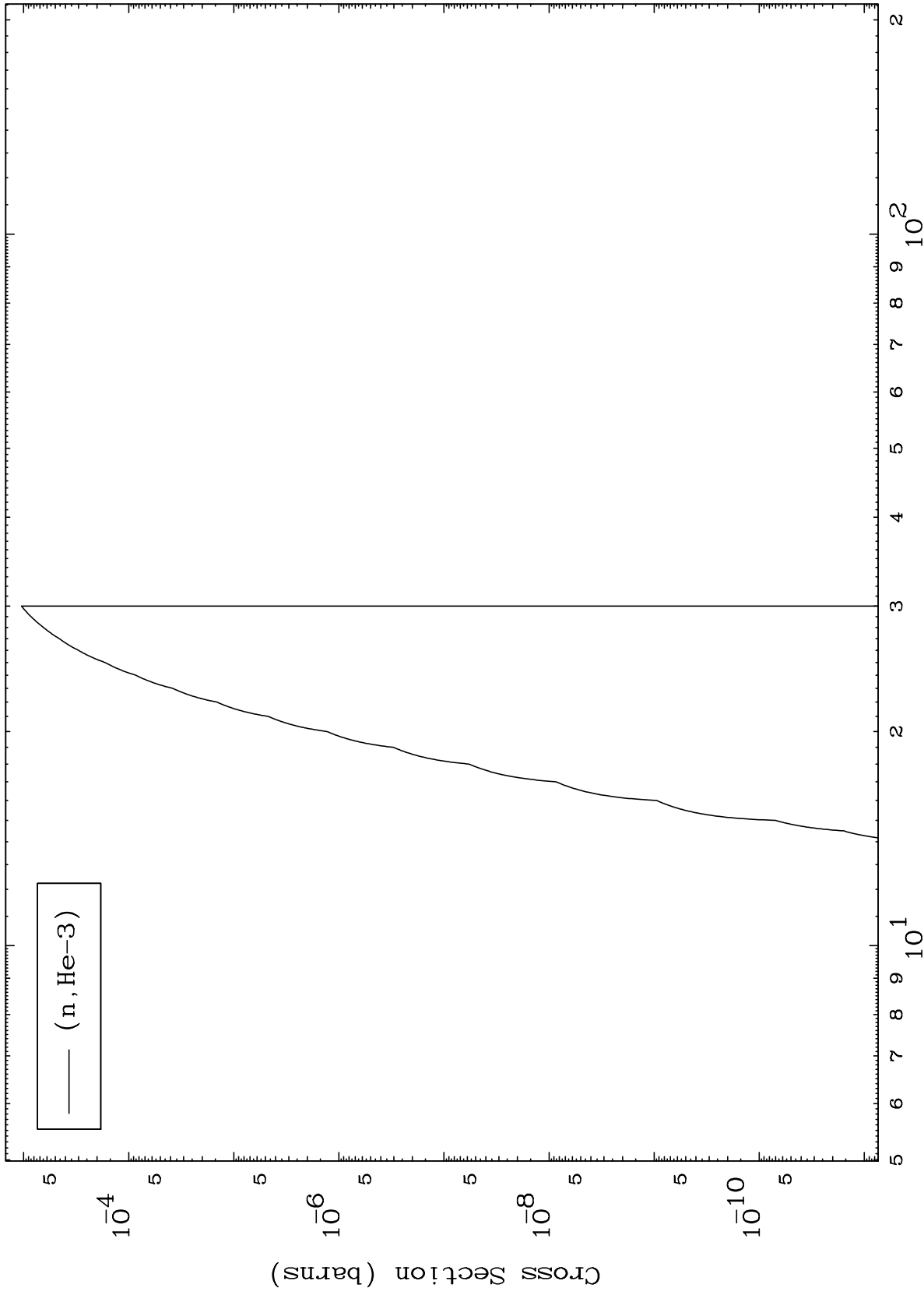
Incident Energy (MeV)

65-Tb-156

MAT 6516

(n,He3) Levels  
293 Kelvin Cross Sections

65-Tb-156



13

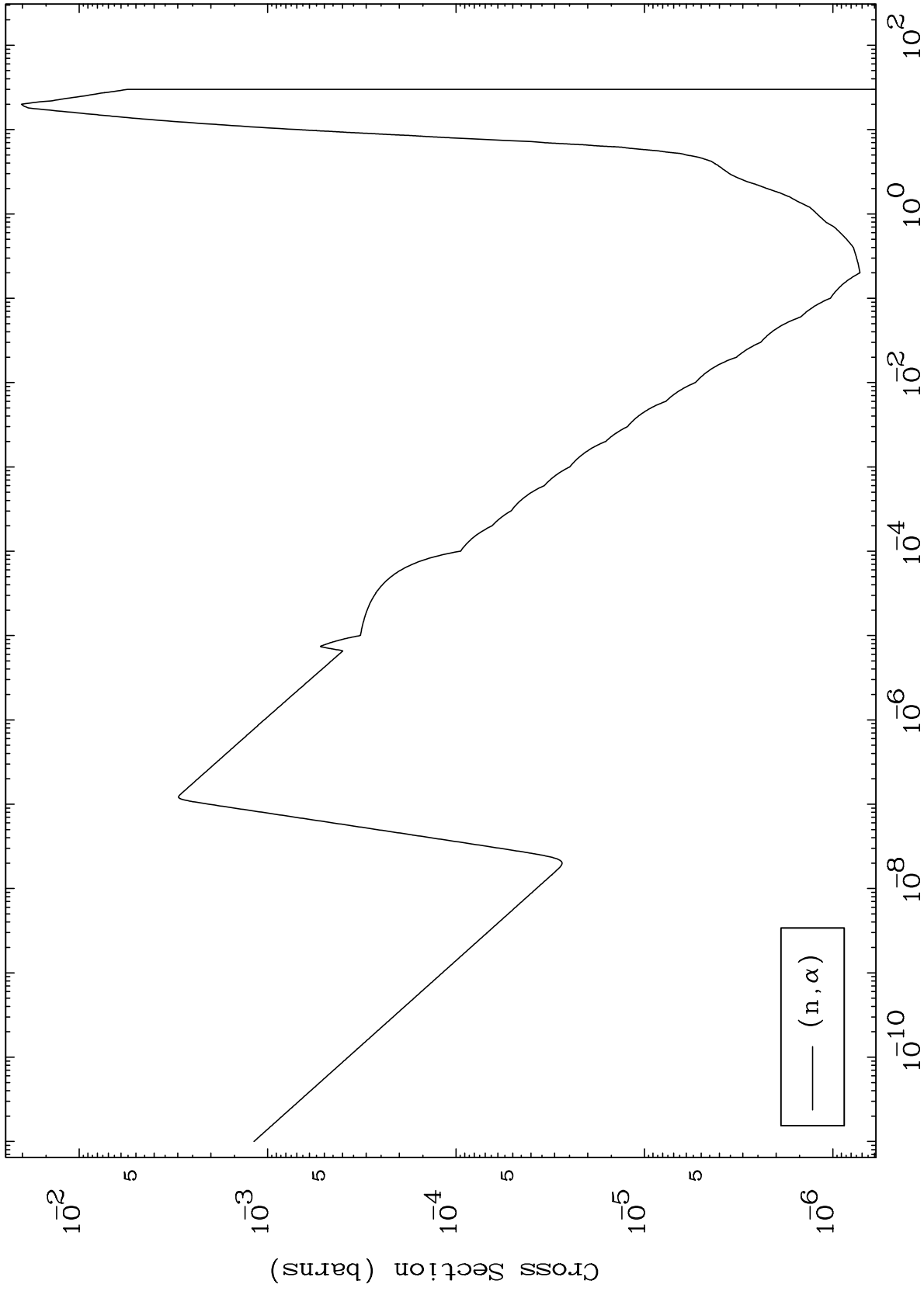
Incident Energy (MeV)

65-Tb-156

MAT 6516

(n,α) Levels  
293 Kelvin Cross Sections

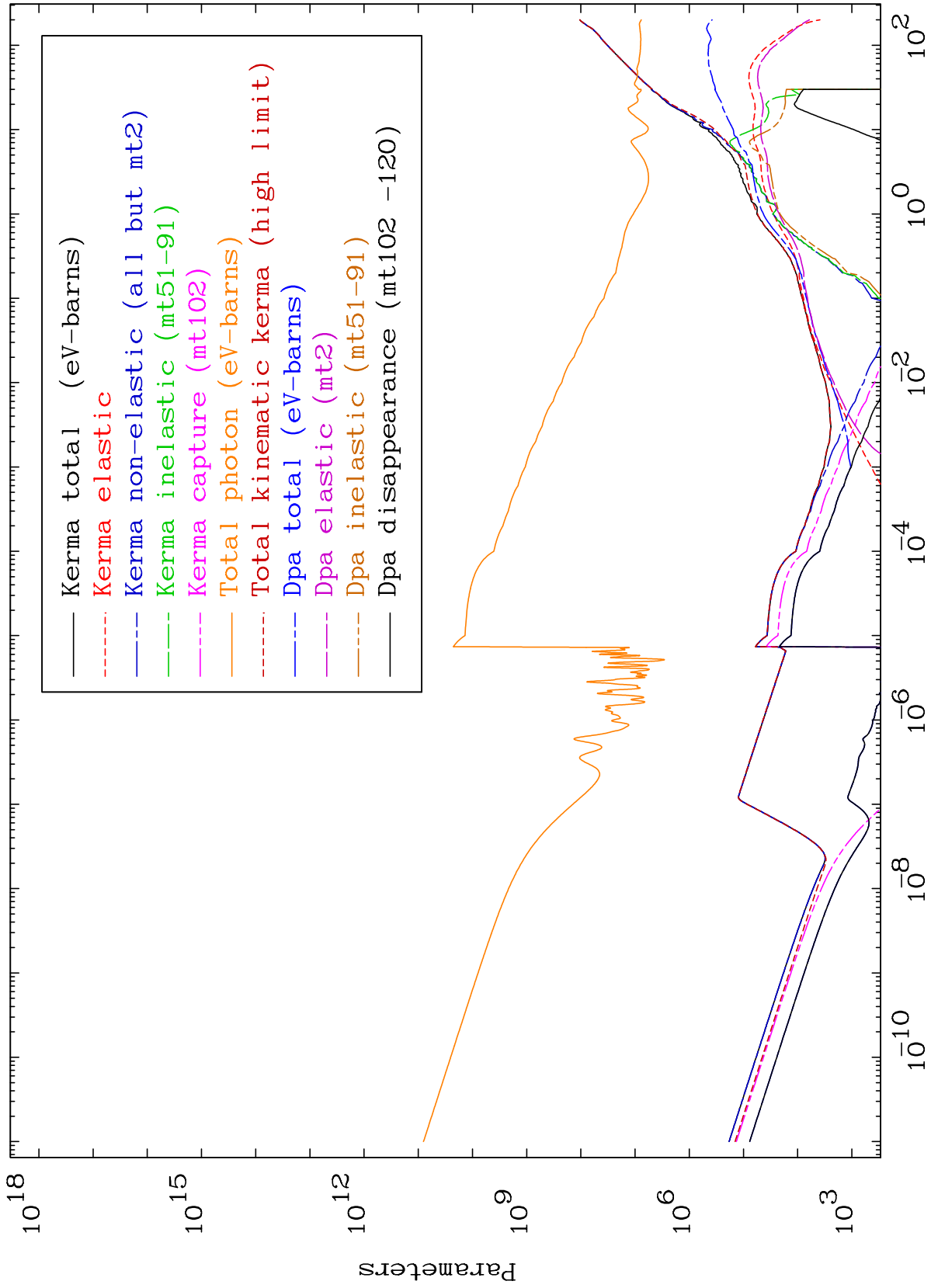
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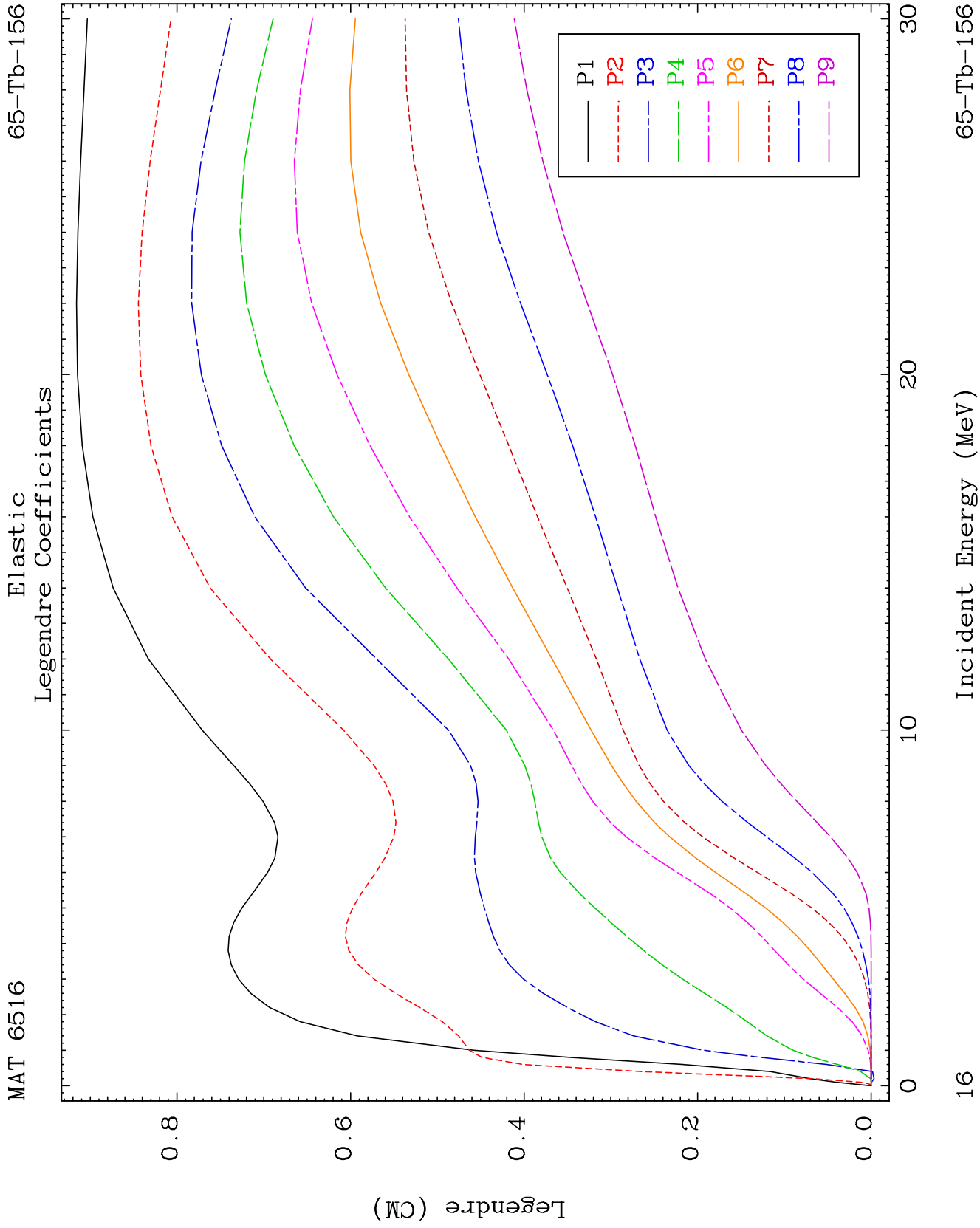
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Incident Energy (MeV)

65-Tb-156



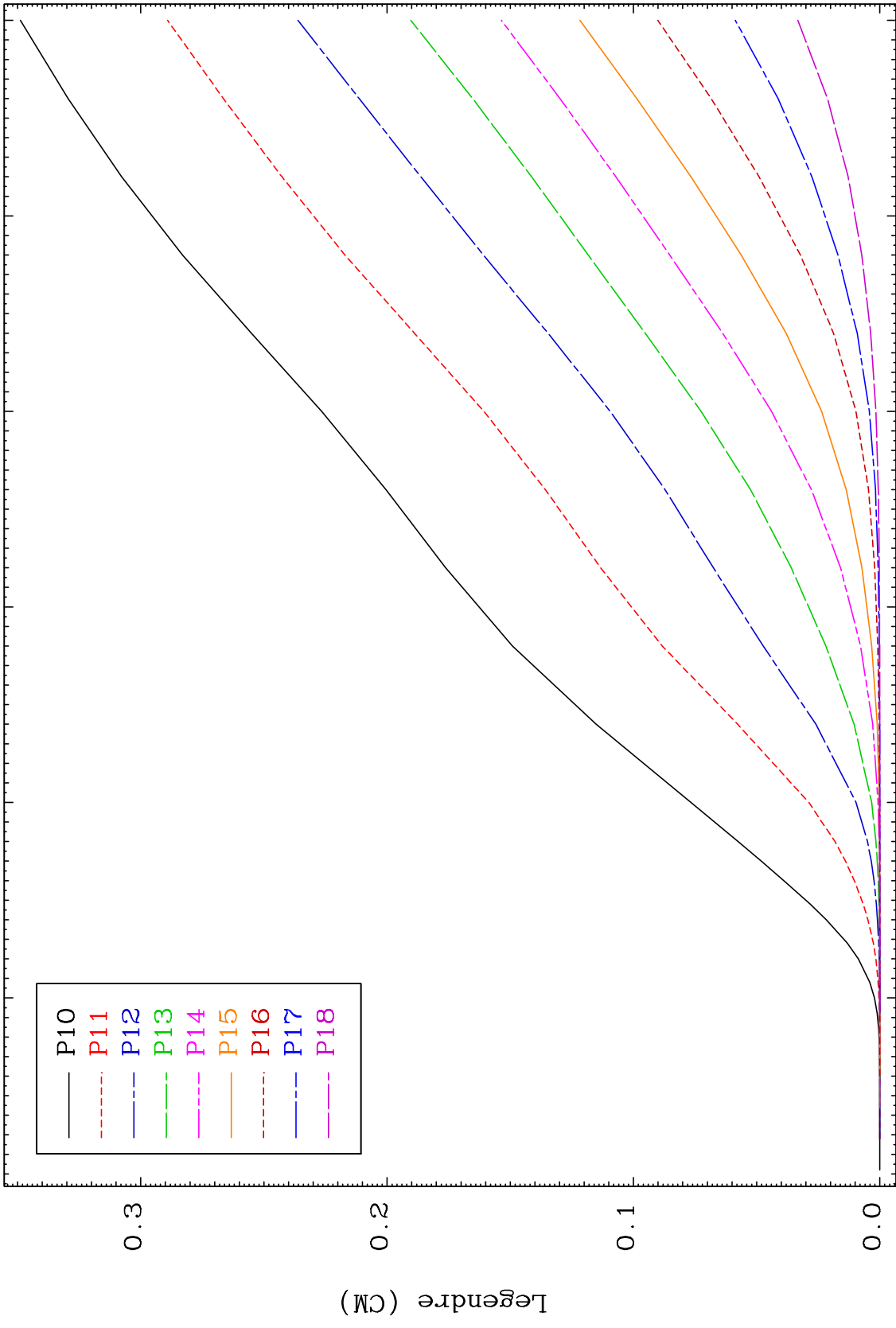




MAT 6516

Elastic Legendre Coefficients

65-Tb-156



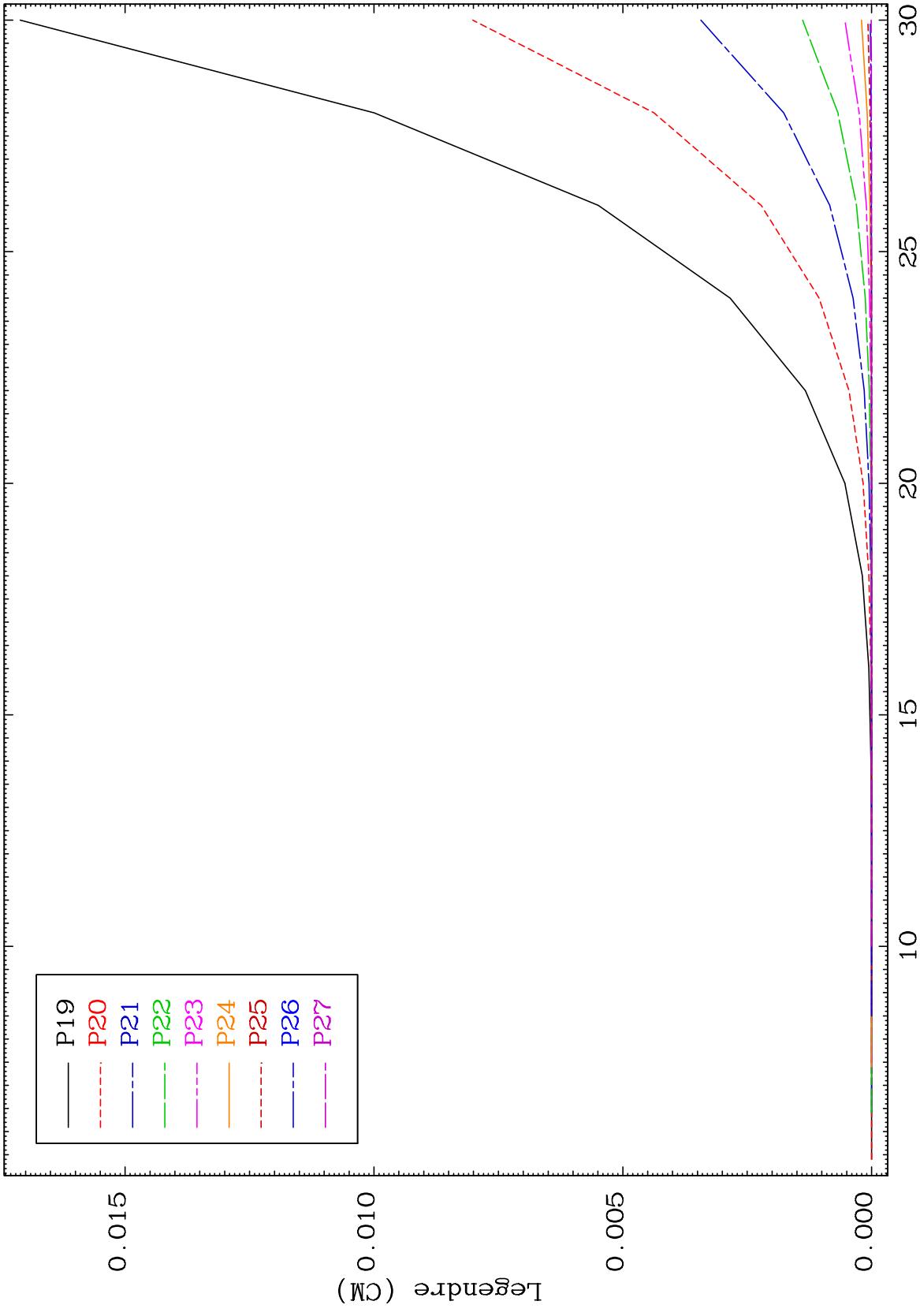
17

65-Tb-156

MAT 6516

### Elastic Legendre Coefficients

65-Tb-156



18

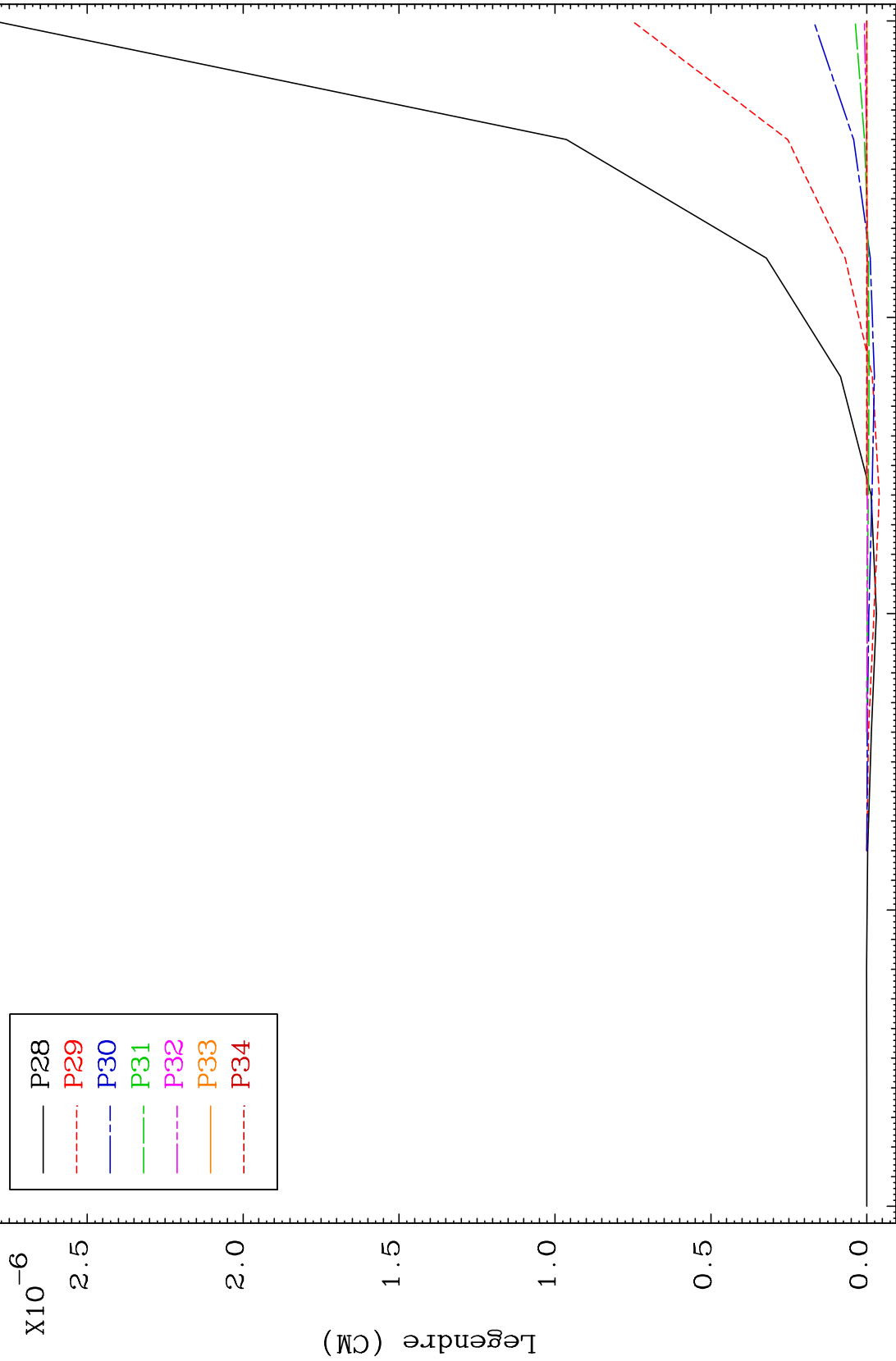
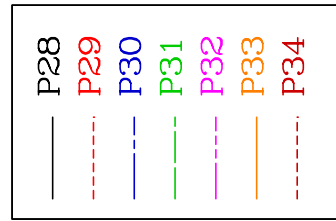
Incident Energy (MeV)

65-Tb-156

MAT 6516

Elastic Legendre Coefficients

65-Tb-156

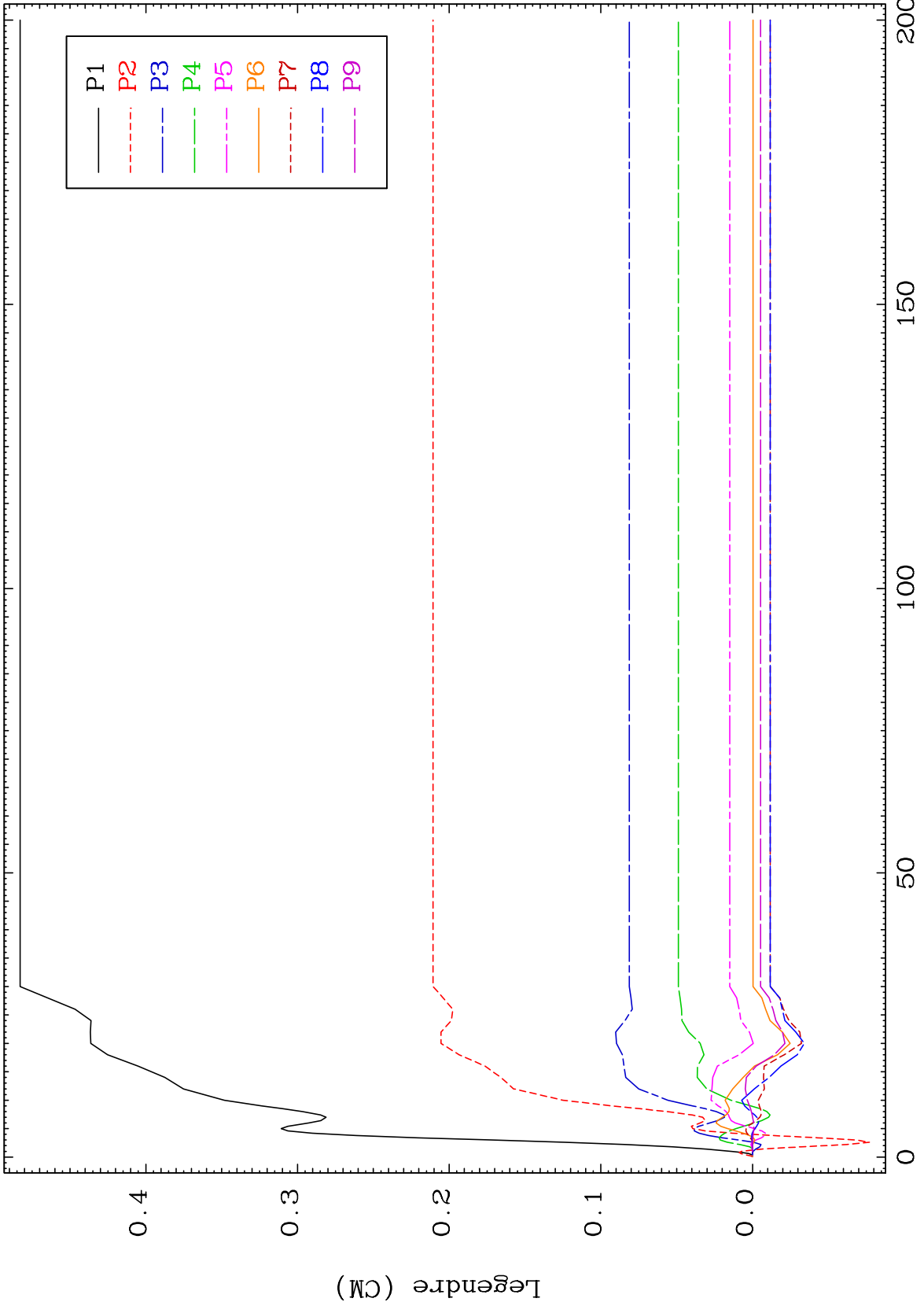


19

Incident Energy (MeV)

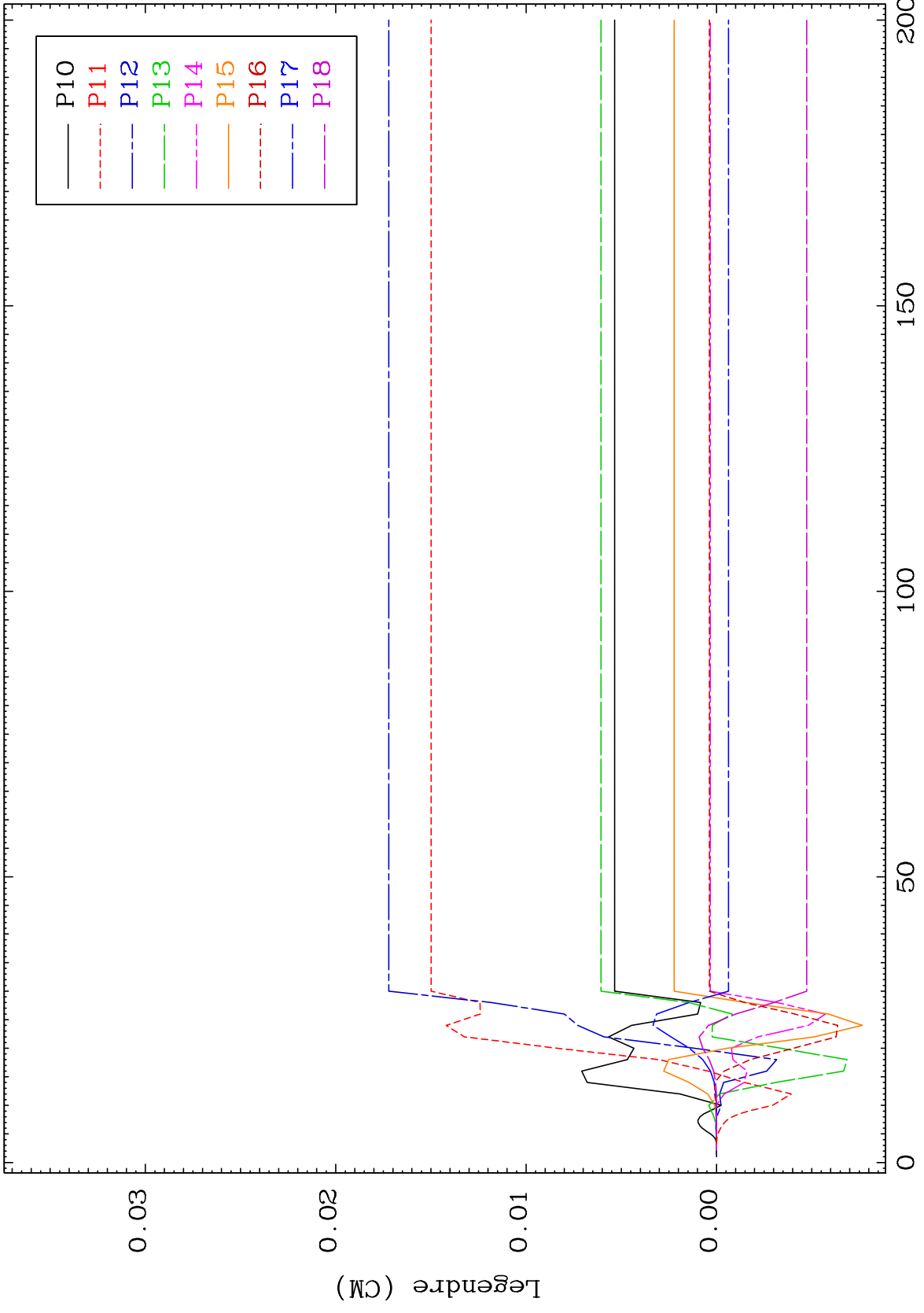
65-Tb-156

MAT 6516 MT= 51 (n,n') Level Legendre Coefficients 65-Tb-156



65-Tb-156

MAT 6516 MT= 51 (n,n') Level Legendre Coefficients 65-Tb-156

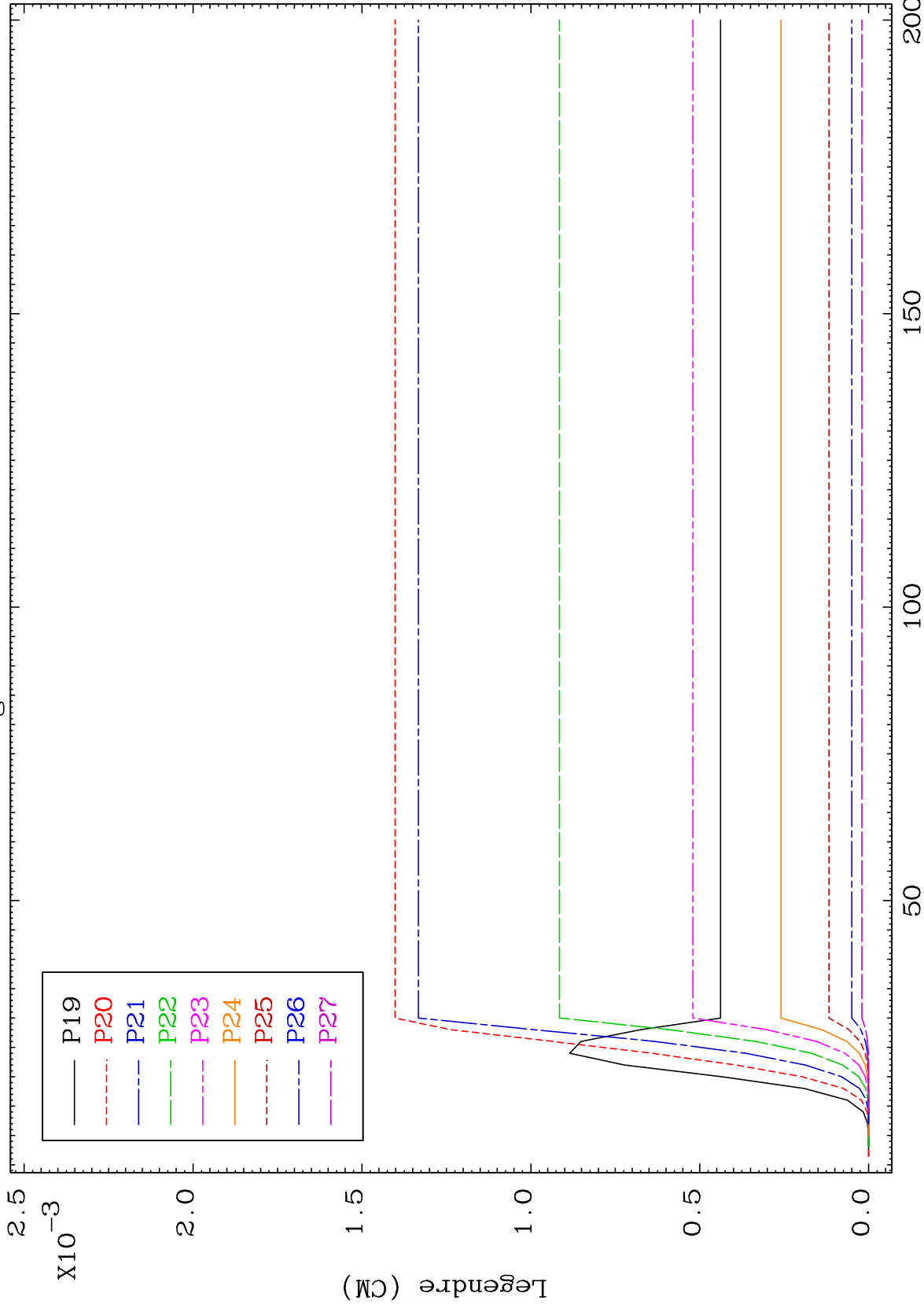


21 65-Tb-156

MAT 6516

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

65-Tb-156



22

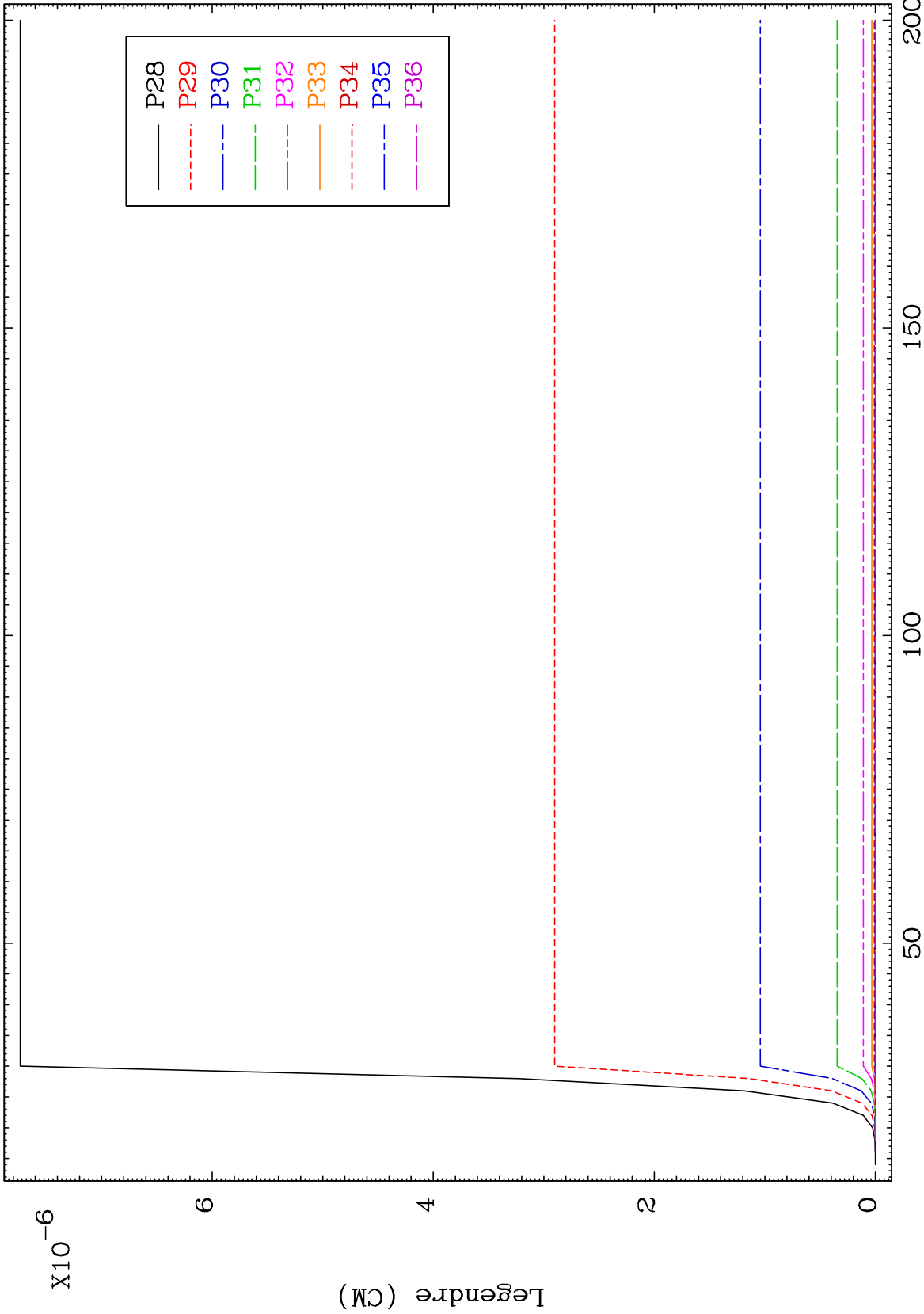
Incident Energy (MeV)

65-Tb-156

MAT 6516

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

65-Tb-156

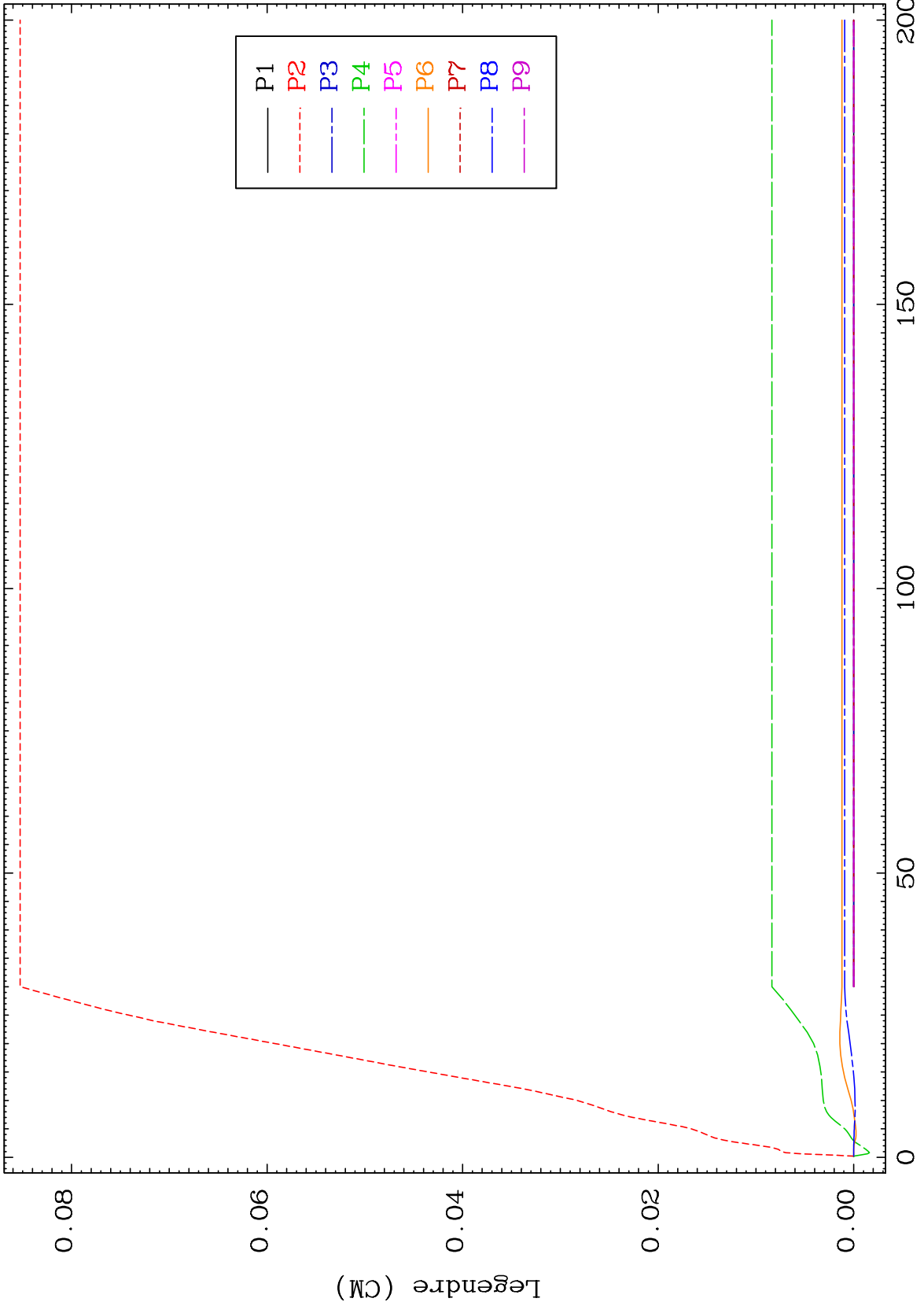


23

65-Tb-156



MAT 6516 MT= 52 (n,n') Level Legendre Coefficients 65-Tb-156

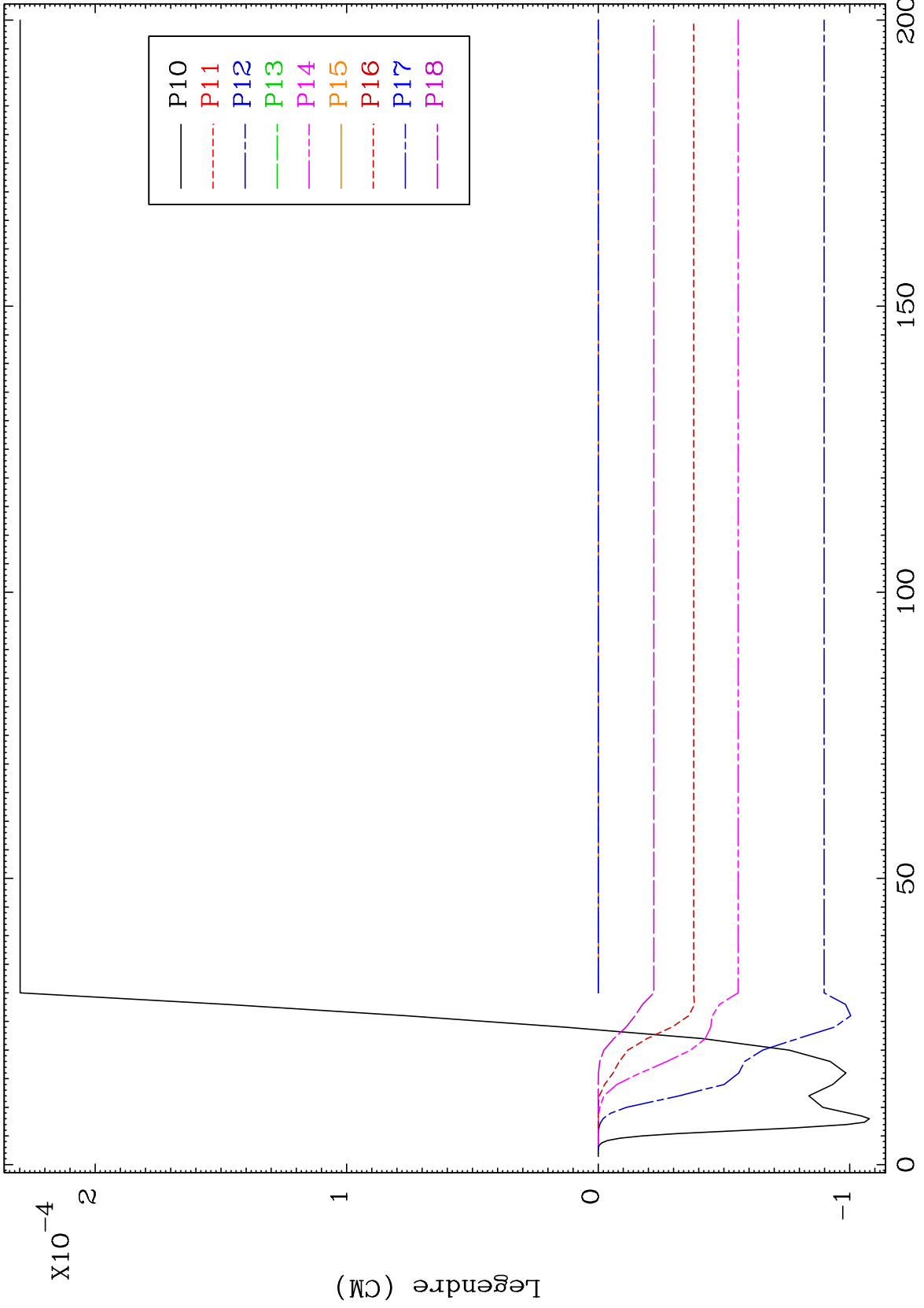


24 65-Tb-156

MAT 6516

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

65-Tb-156

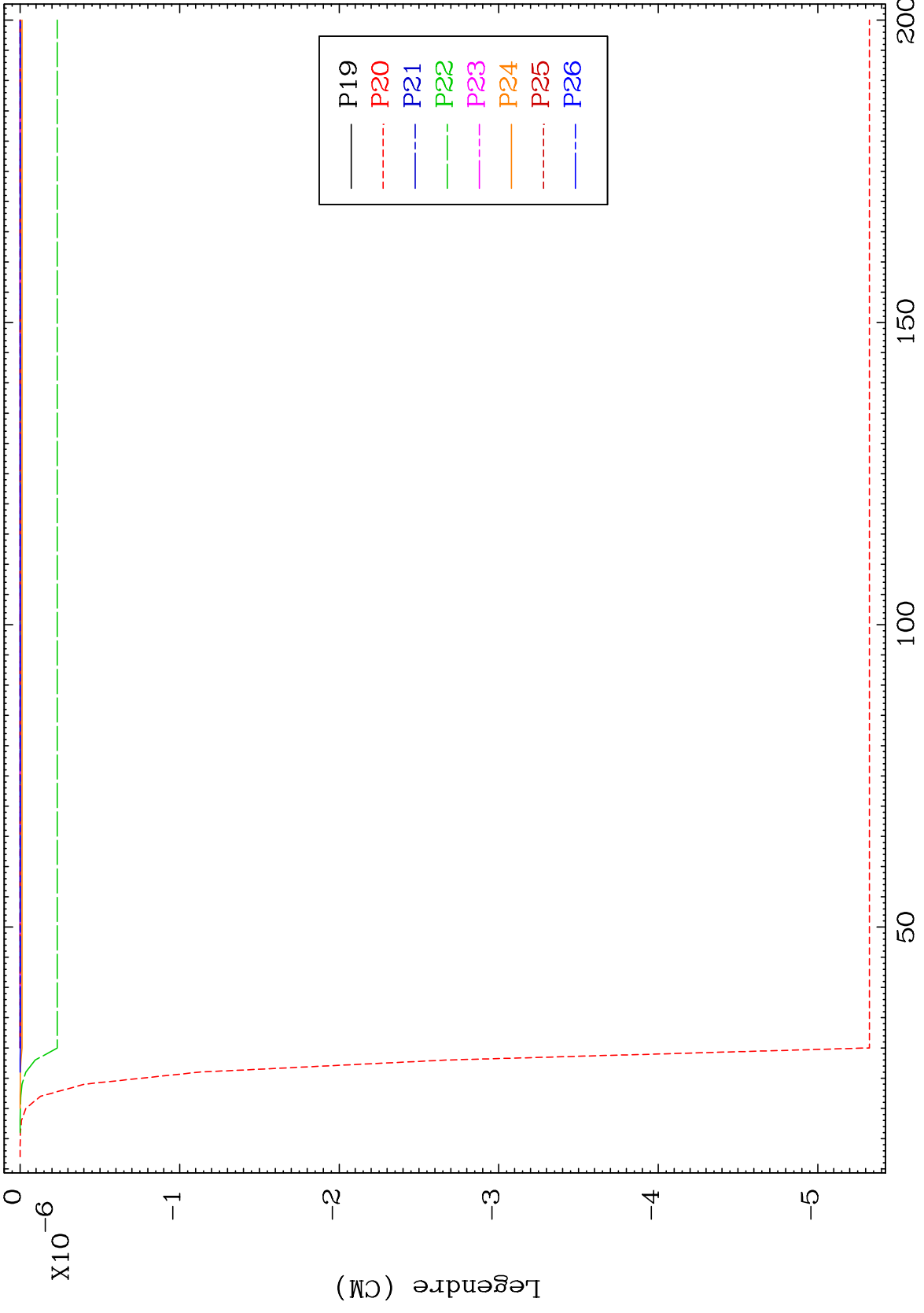


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Incident Energy (MeV)

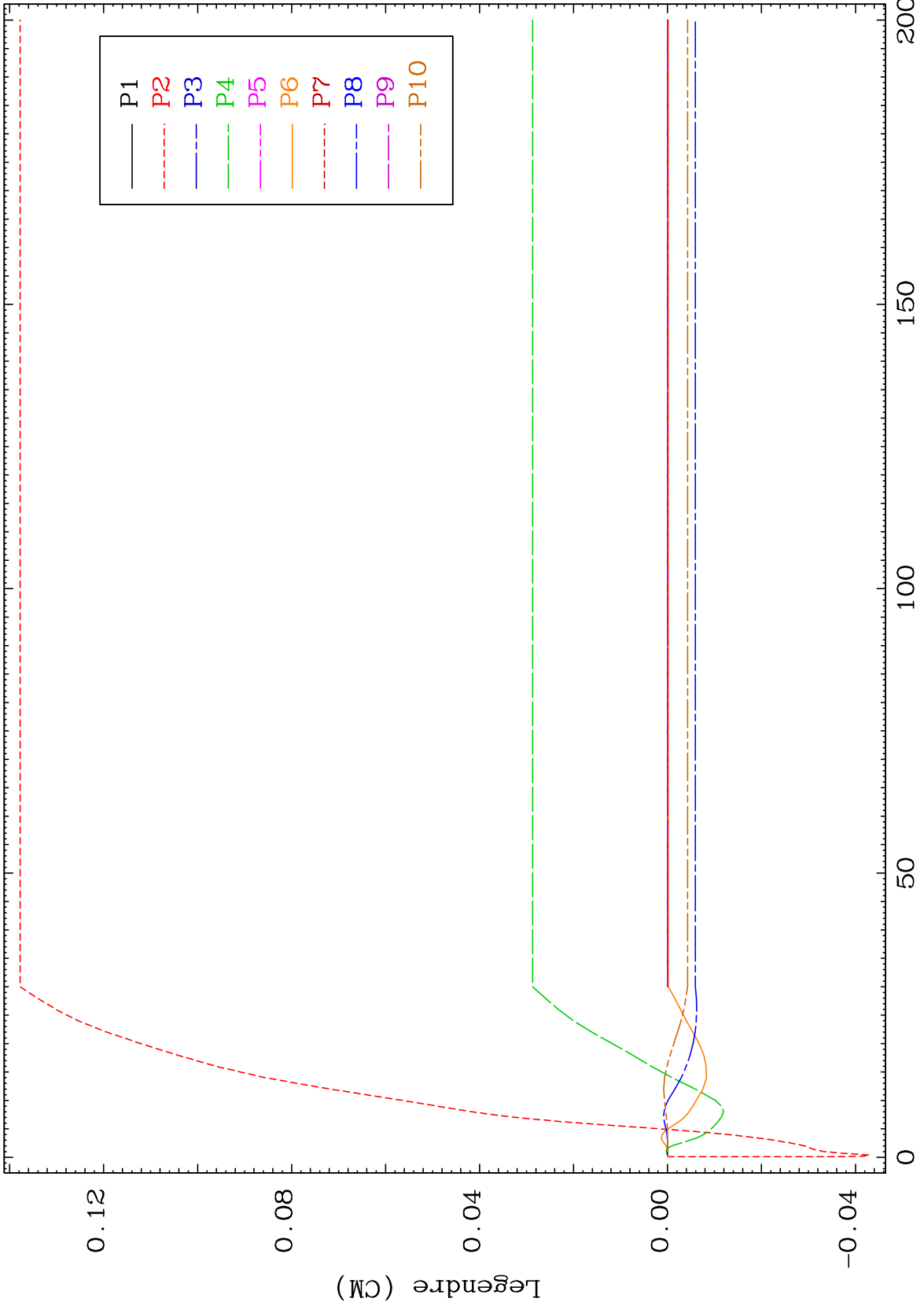
65-Tb-156

MAT 6516 MT= 52 (n,n') Level Legendre Coefficients 65-Tb-156



26 Incident Energy (MeV) 65-Tb-156

MAT 6516 MT= 53 (n,n') Level Legendre Coefficients 65-Tb-156

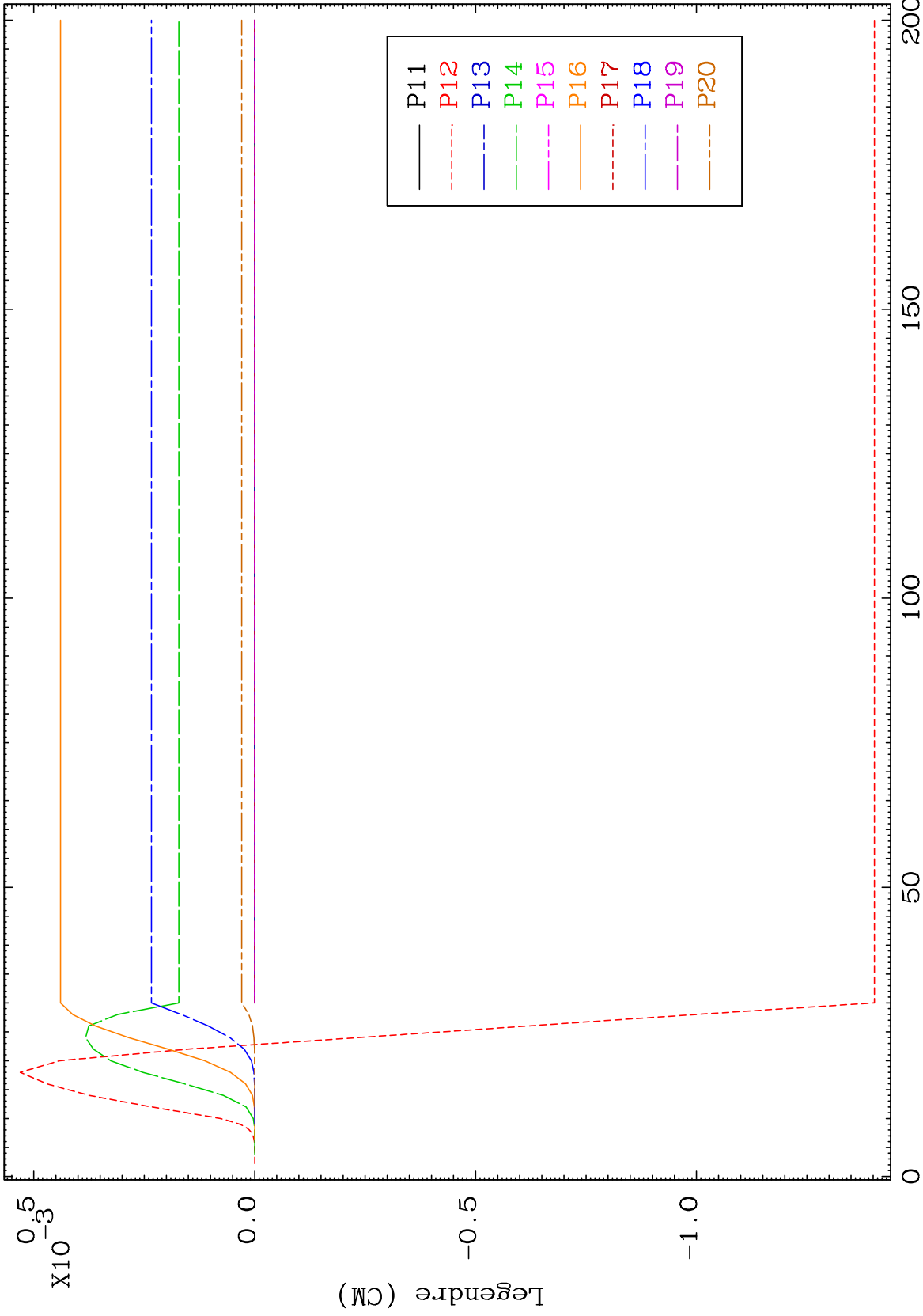


27 Incident Energy (MeV) 65-Tb-156

MAT 6516

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

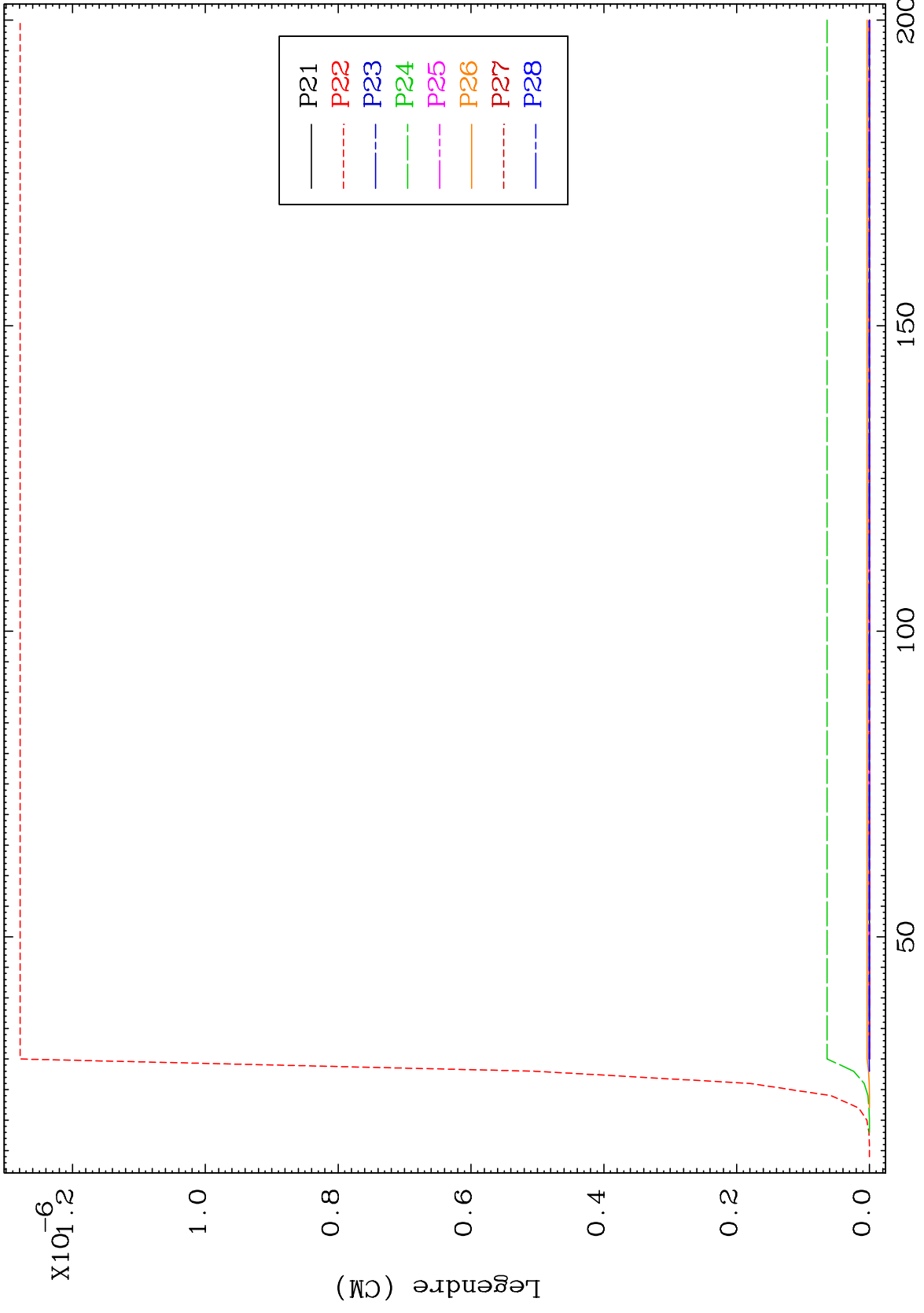
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28

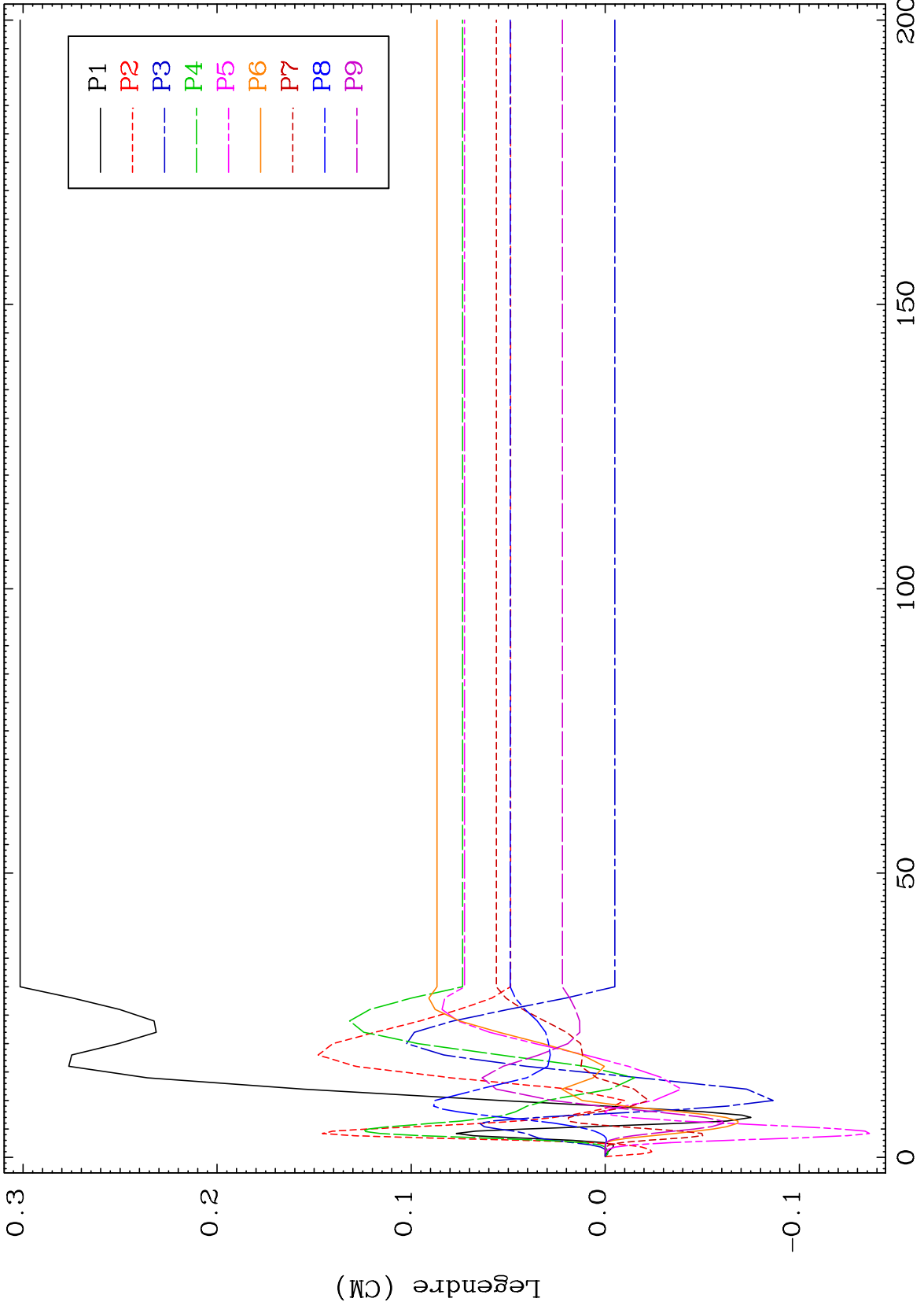
65-Tb-156

MAT 6516 MT= 53 (n,n') Level Legendre Coefficients 65-Tb-156



29 65-Tb-156

MAT 6516 MT= 54 (n,n') Level Legendre Coefficients 65-Tb-156

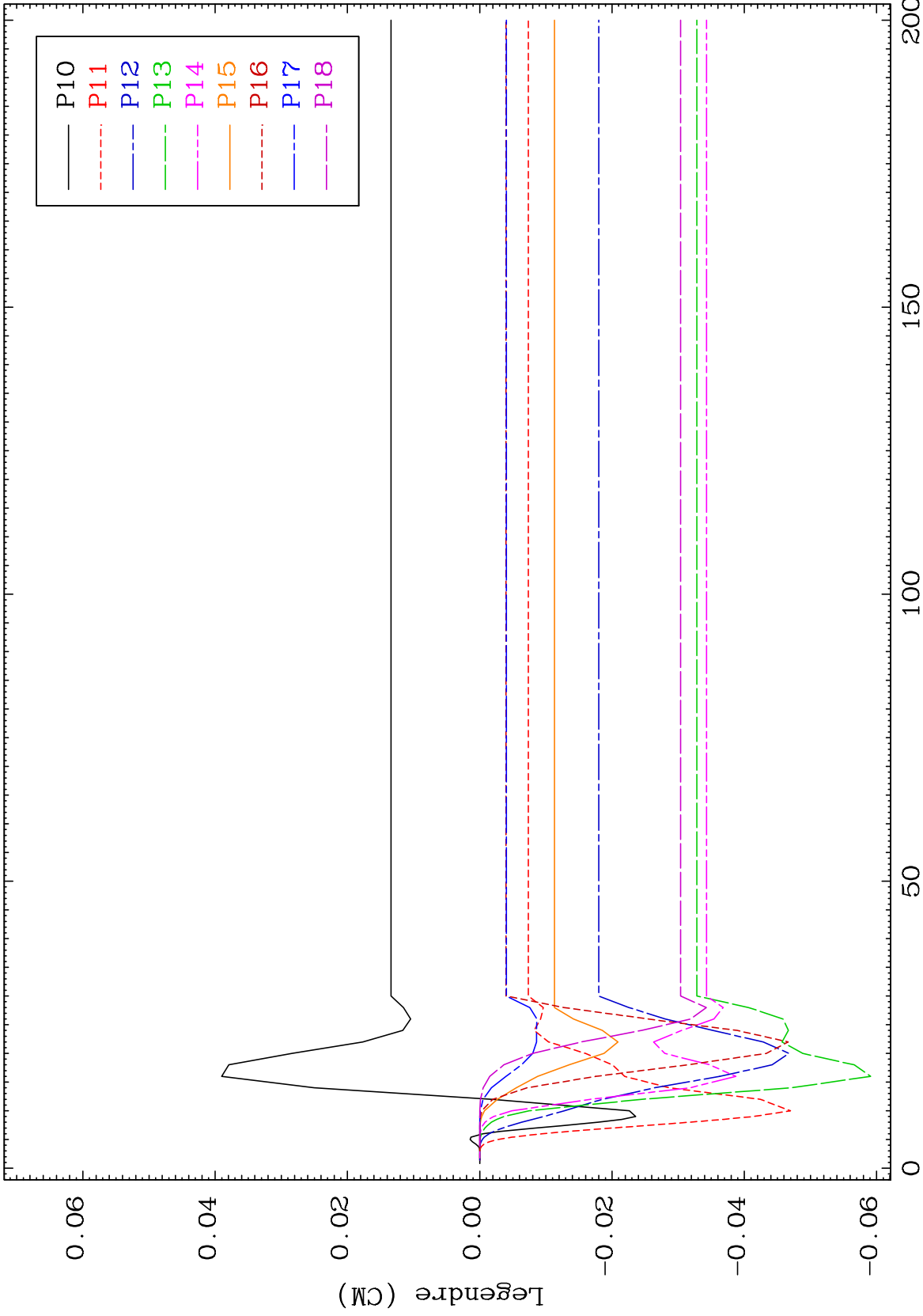


65-Tb-156 Incident Energy (MeV)

MAT 6516

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

65-Tb-156



31

Incident Energy (MeV)

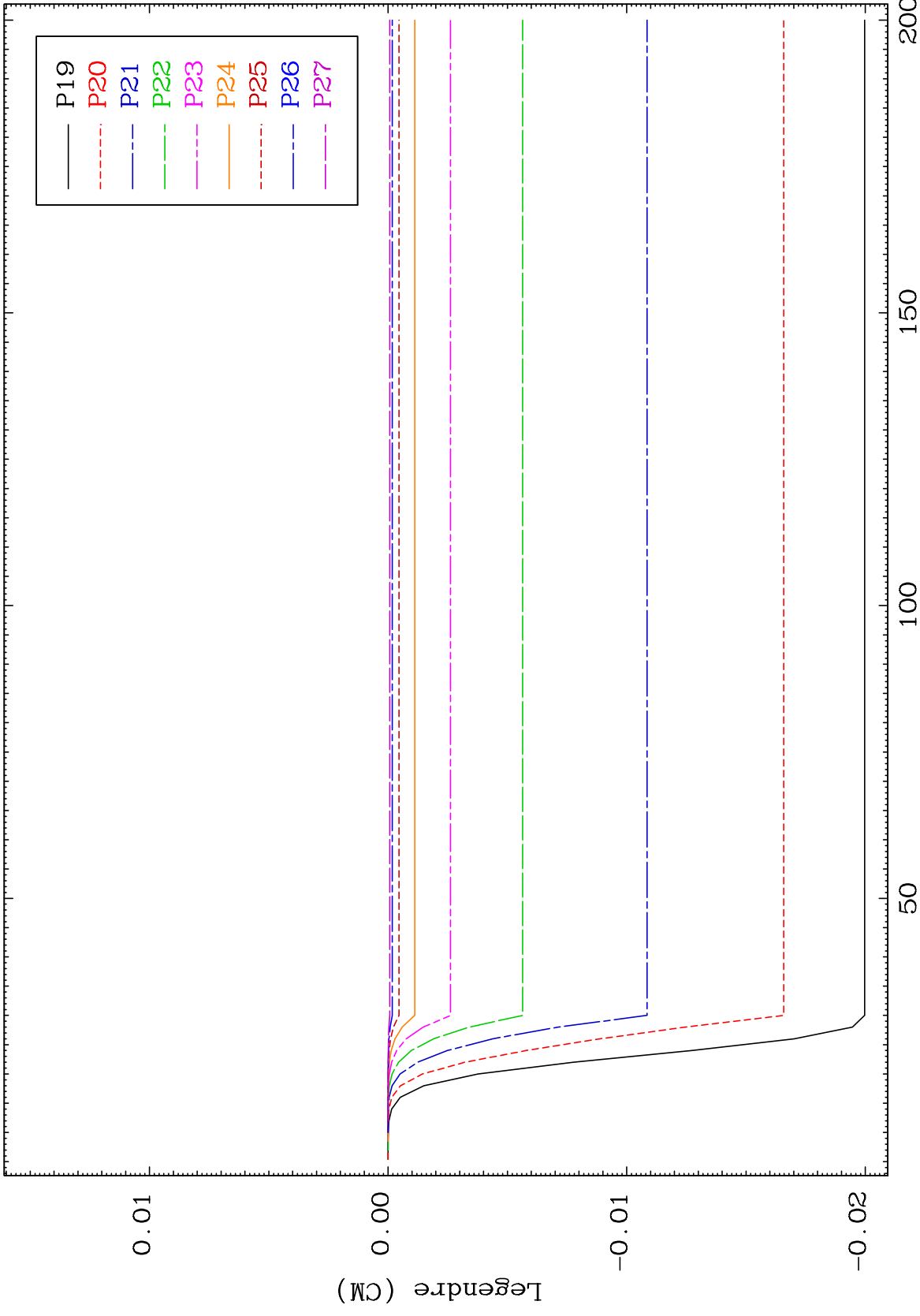
65-Tb-156



MAT 6516

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

65-Tb-156



32

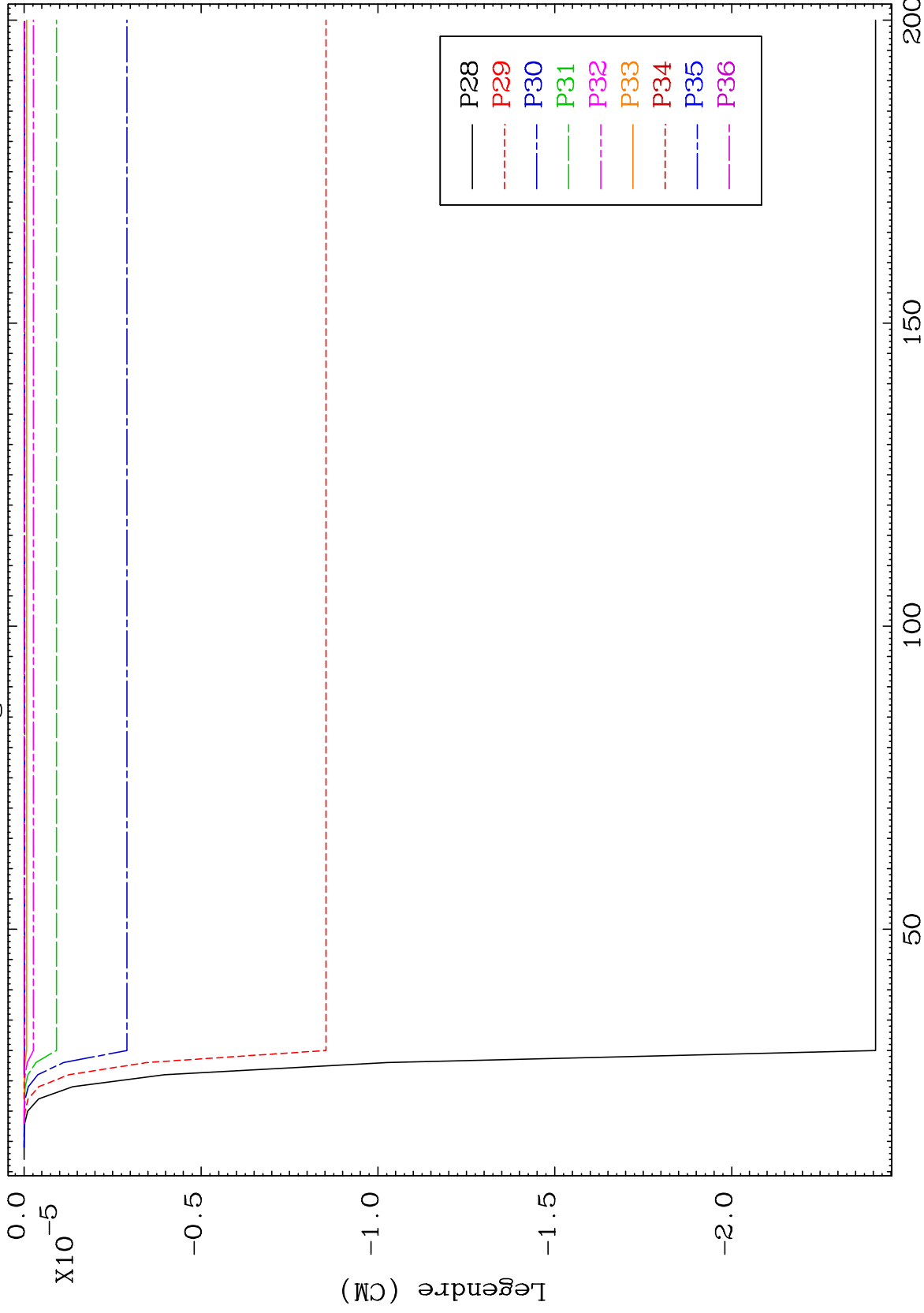
Incident Energy (MeV)

65-Tb-156

MAT 6516

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

65-Tb-156

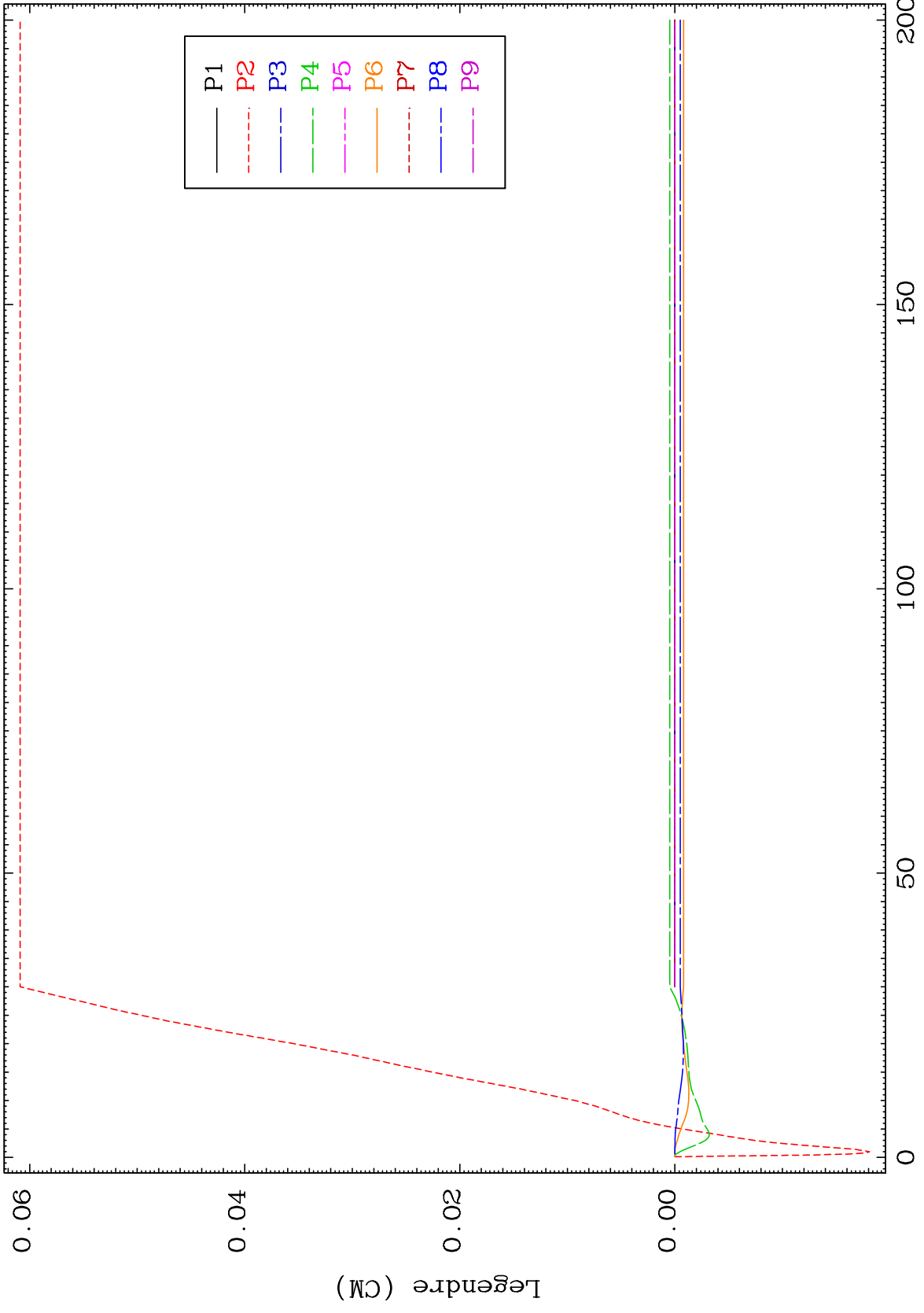


65-Tb-156

Incident Energy (MeV)

33

MAT 6516 MT= 55 (n,n') Level Legendre Coefficients 65-Tb-156

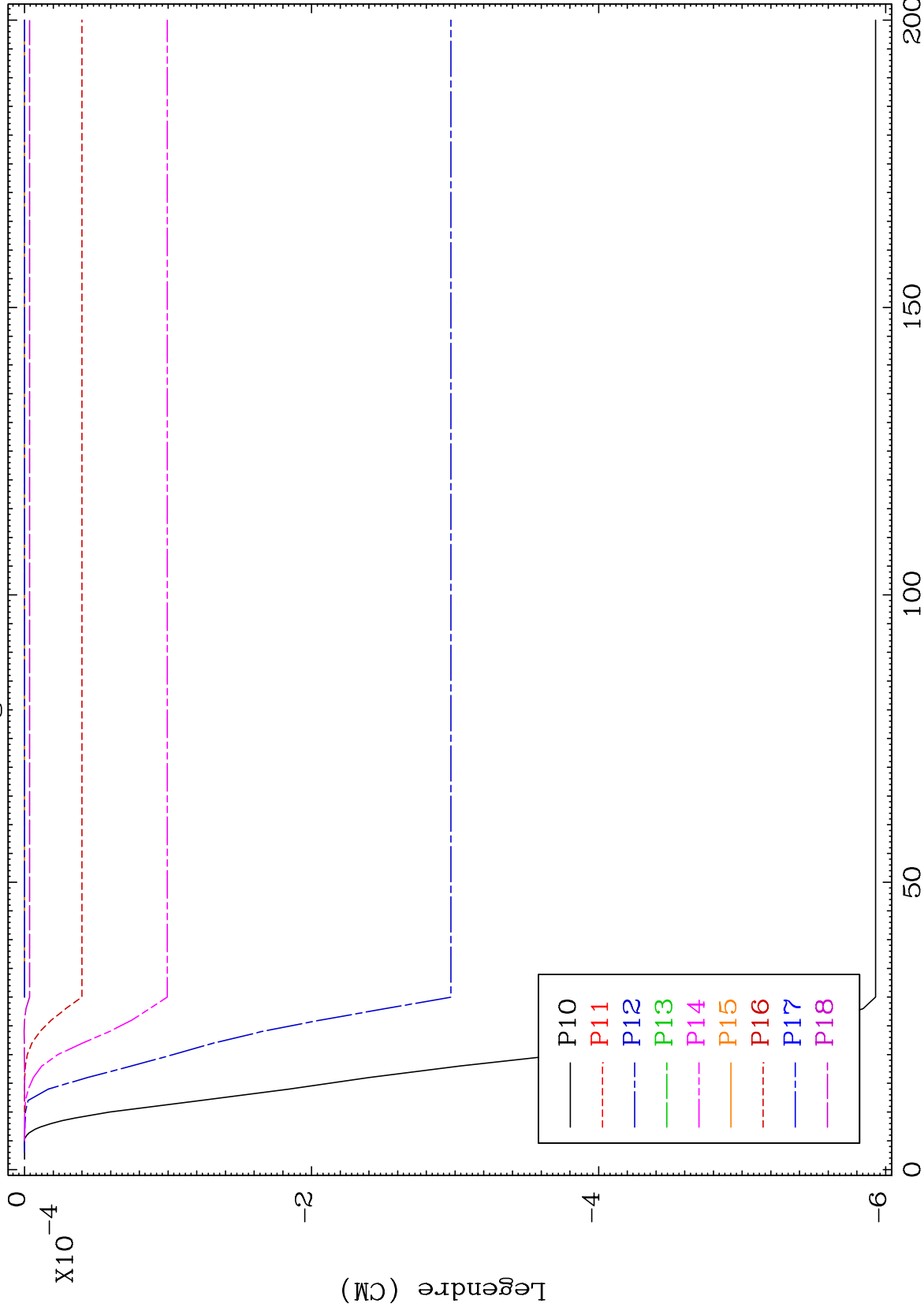


34 65-Tb-156

MAT 6516

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

65-Tb-156

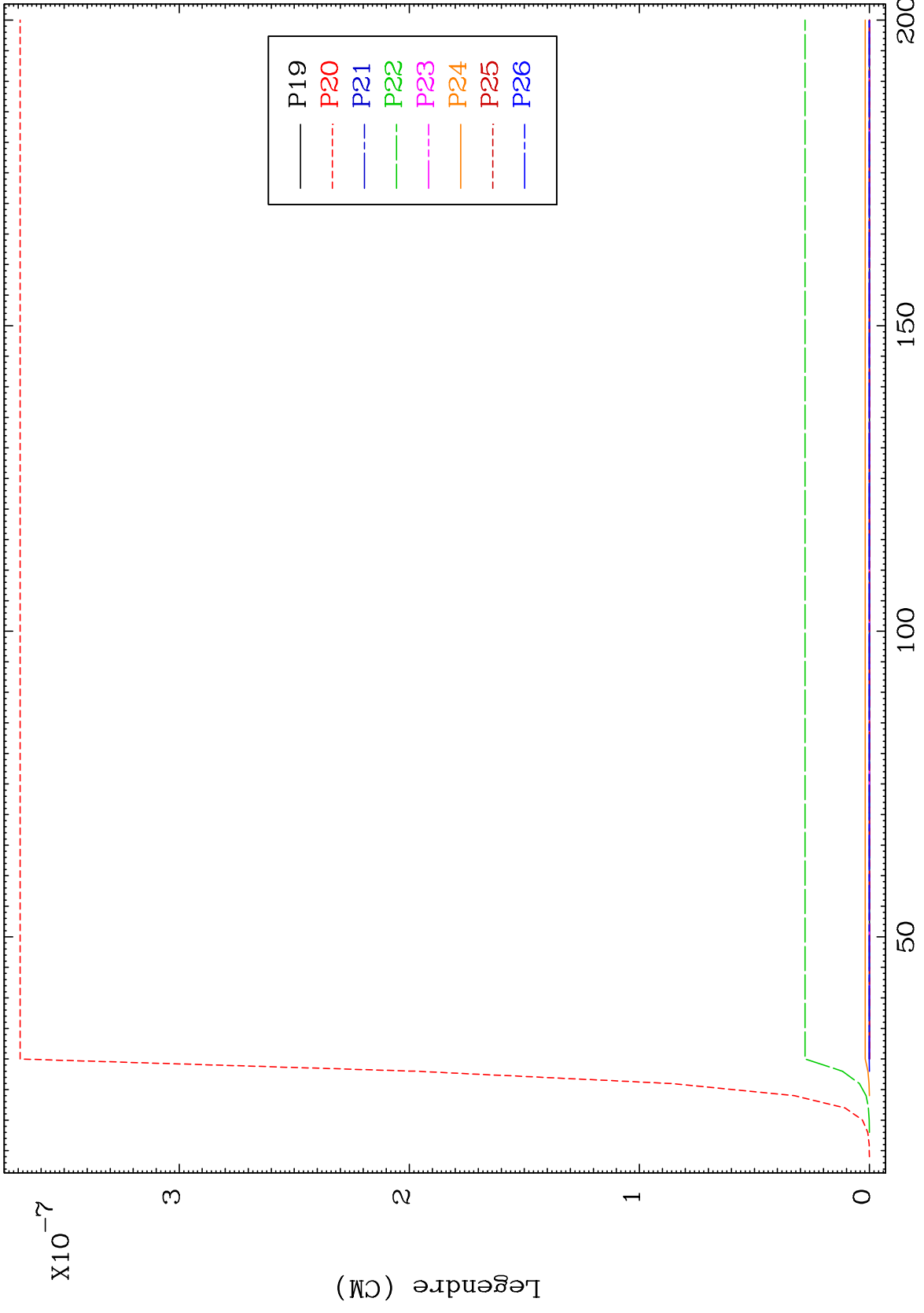


65-Tb-156

Incident Energy (MeV)

35

MAT 6516 MT= 55 (n,n') Level Legendre Coefficients 65-Tb-156

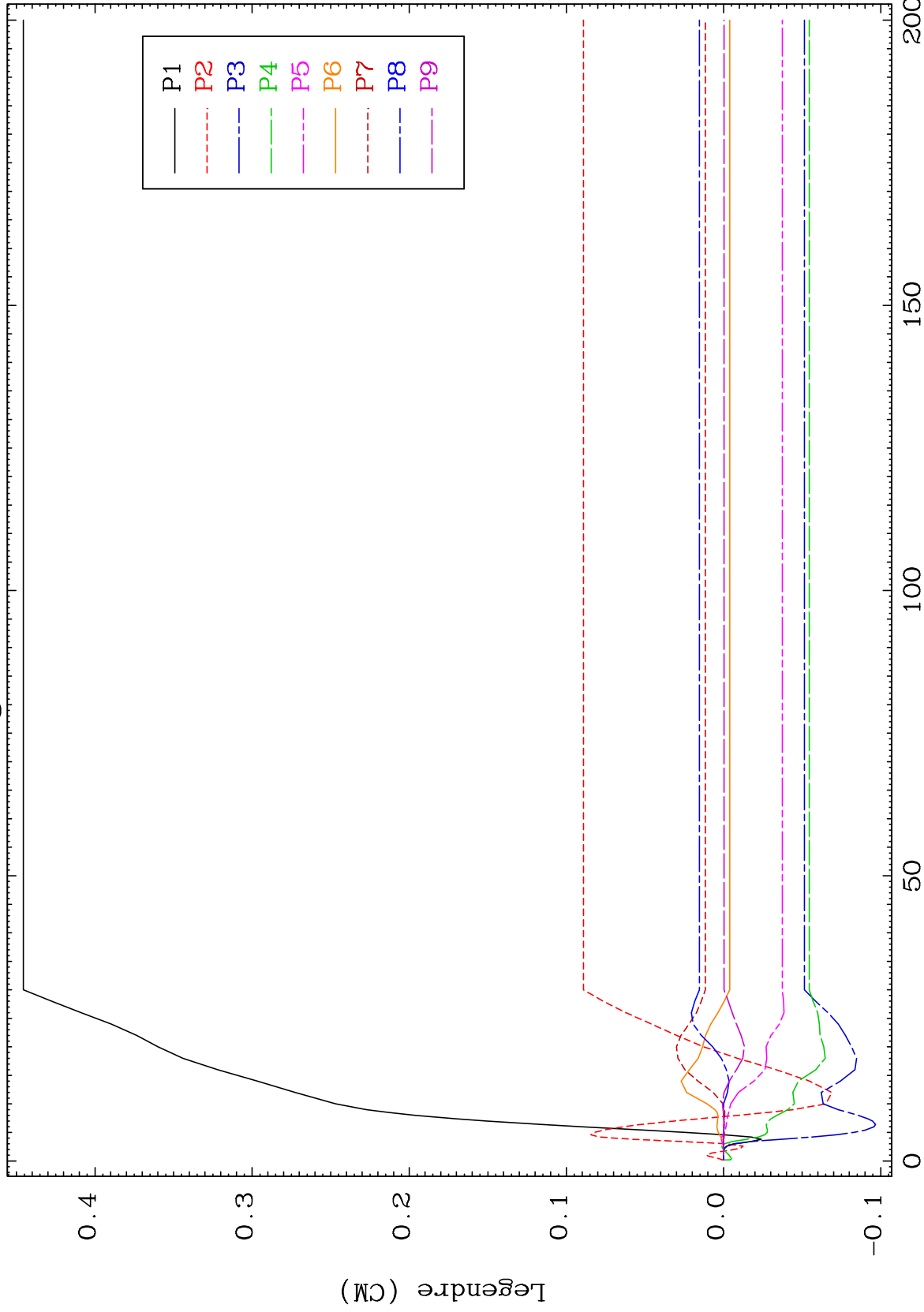


36 50 100 150 200 65-Tb-156

MAT 6516

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

65-Tb-156



37

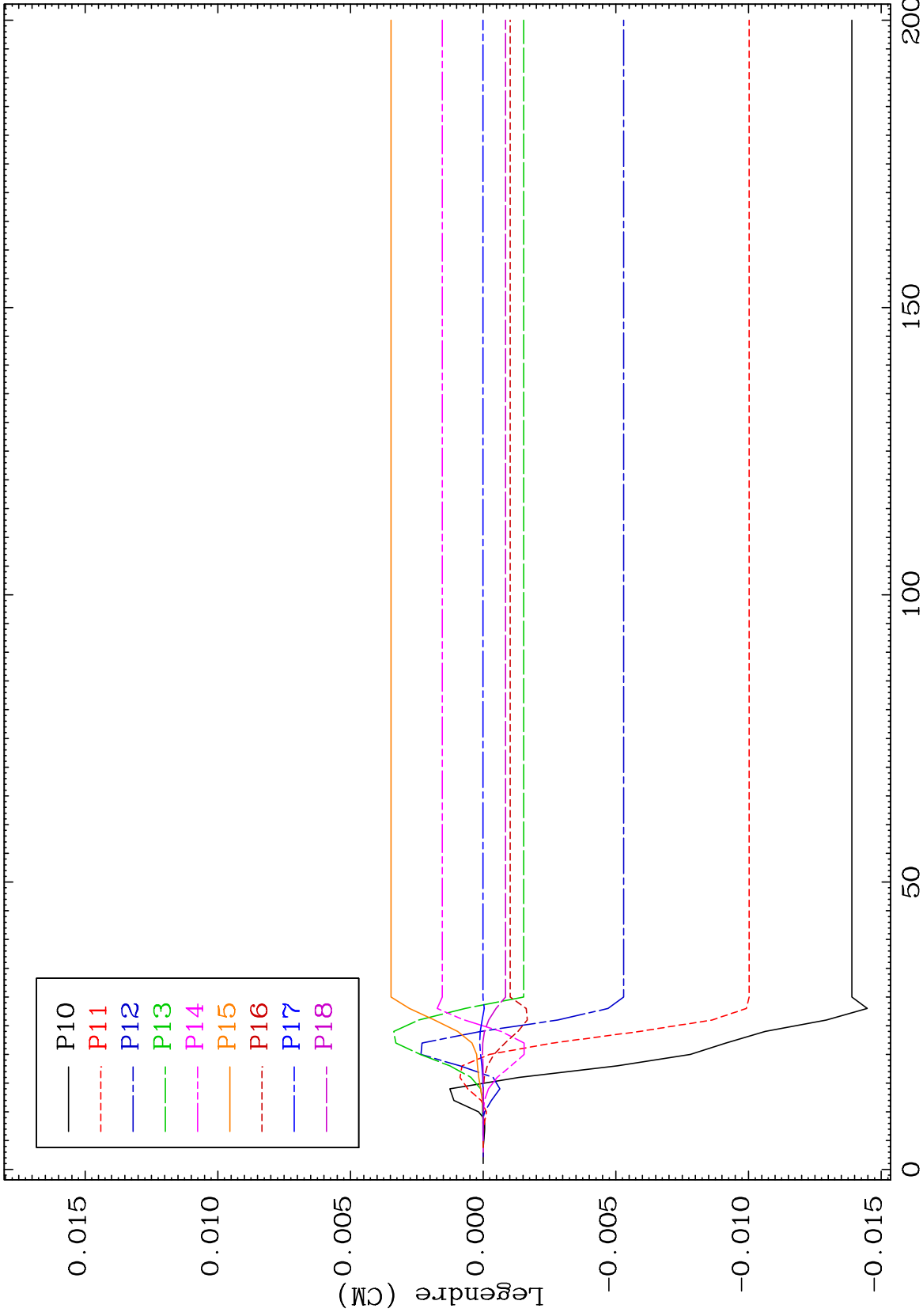
Incident Energy (MeV)

65-Tb-156

MAT 6516

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

65-Tb-156



38

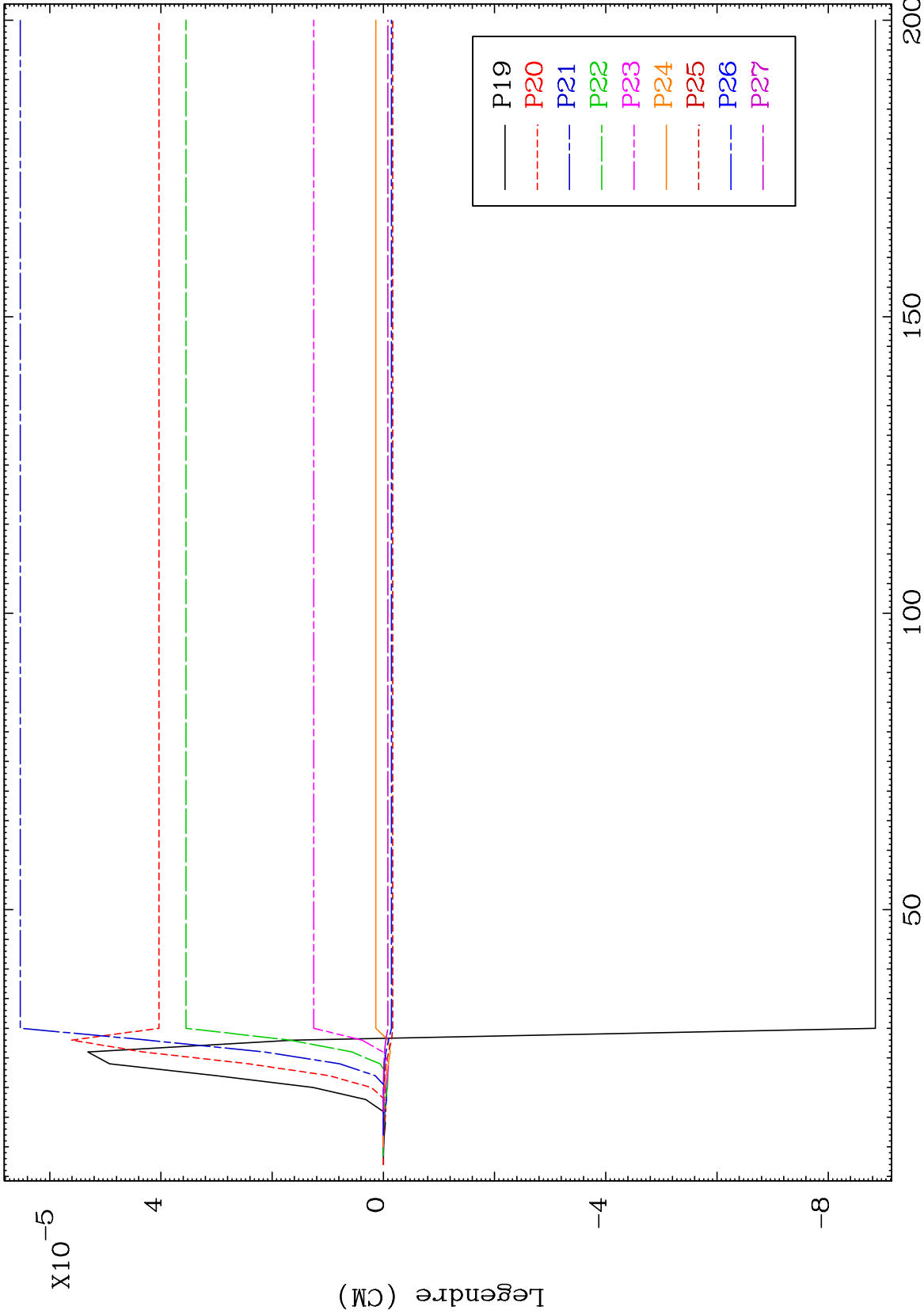
Incident Energy (MeV)

65-Tb-156

MAT 6516

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

65-Tb-156



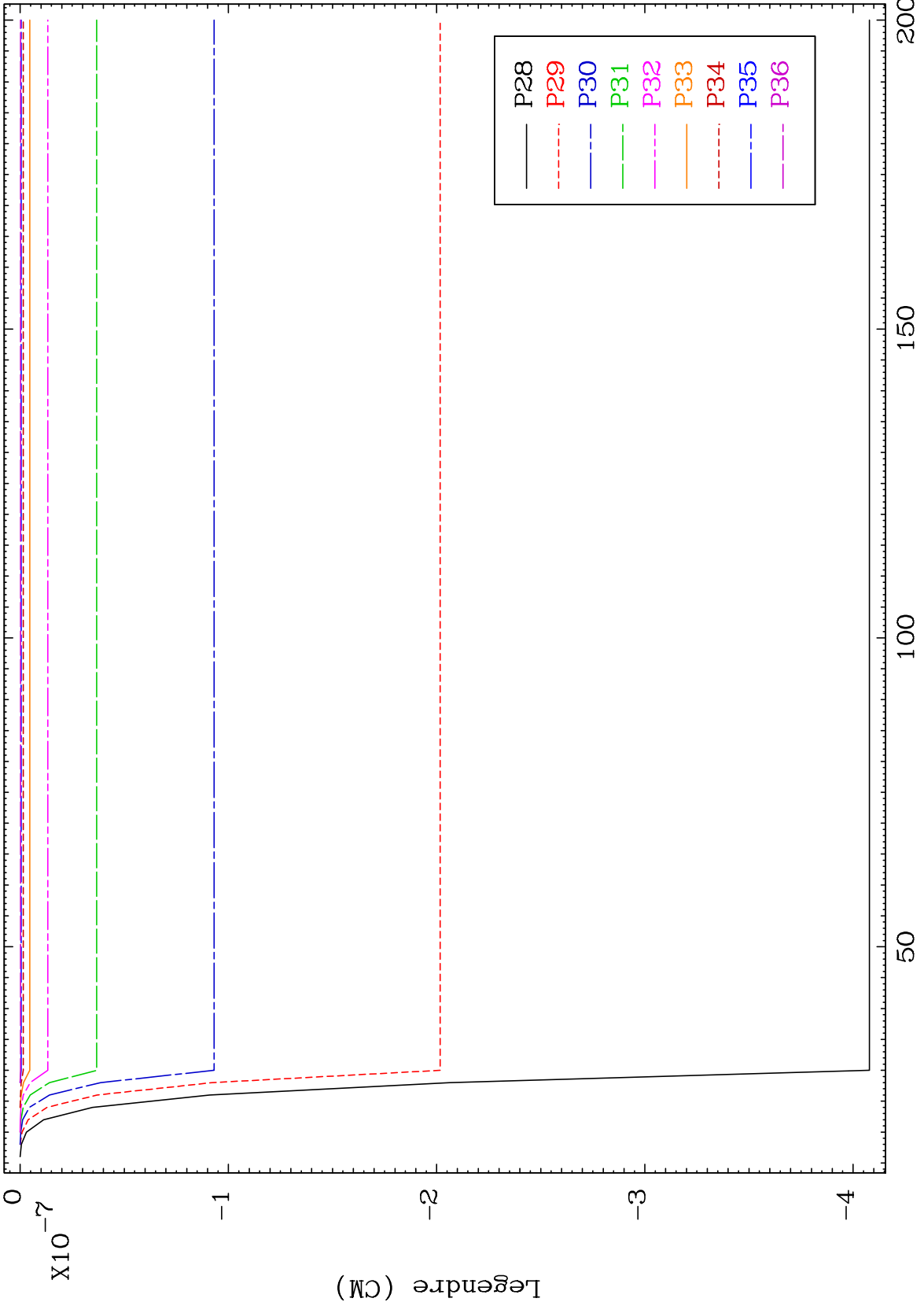
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Incident Energy (MeV)

65-Tb-156

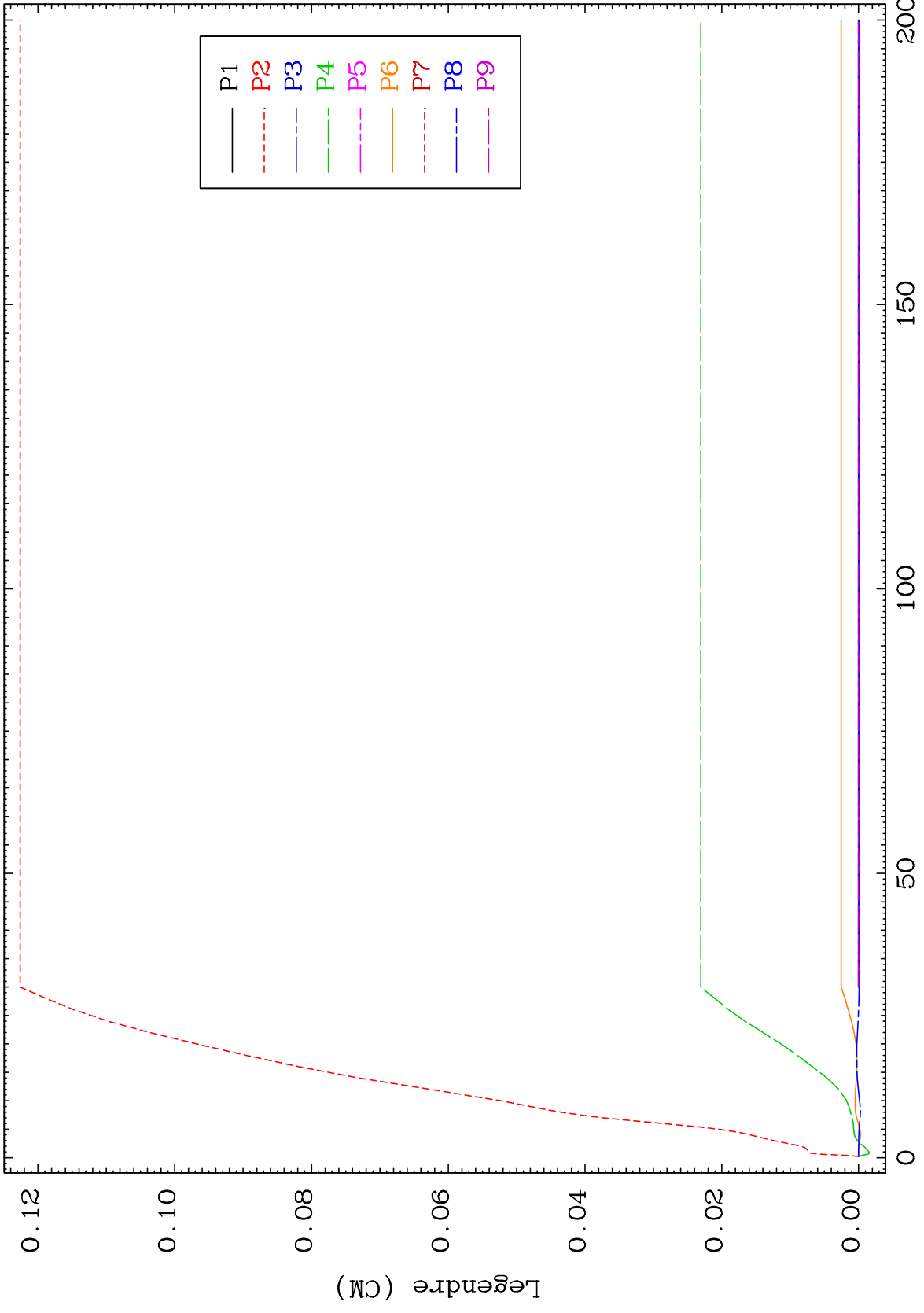


MAT 6516 MT= 56 (n,n') Level Legendre Coefficients 65-Tb-156



Incident Energy (MeV) 65-Tb-156

MAT 6516 MT= 57 (n,n') Level Legendre Coefficients 65-Tb-156

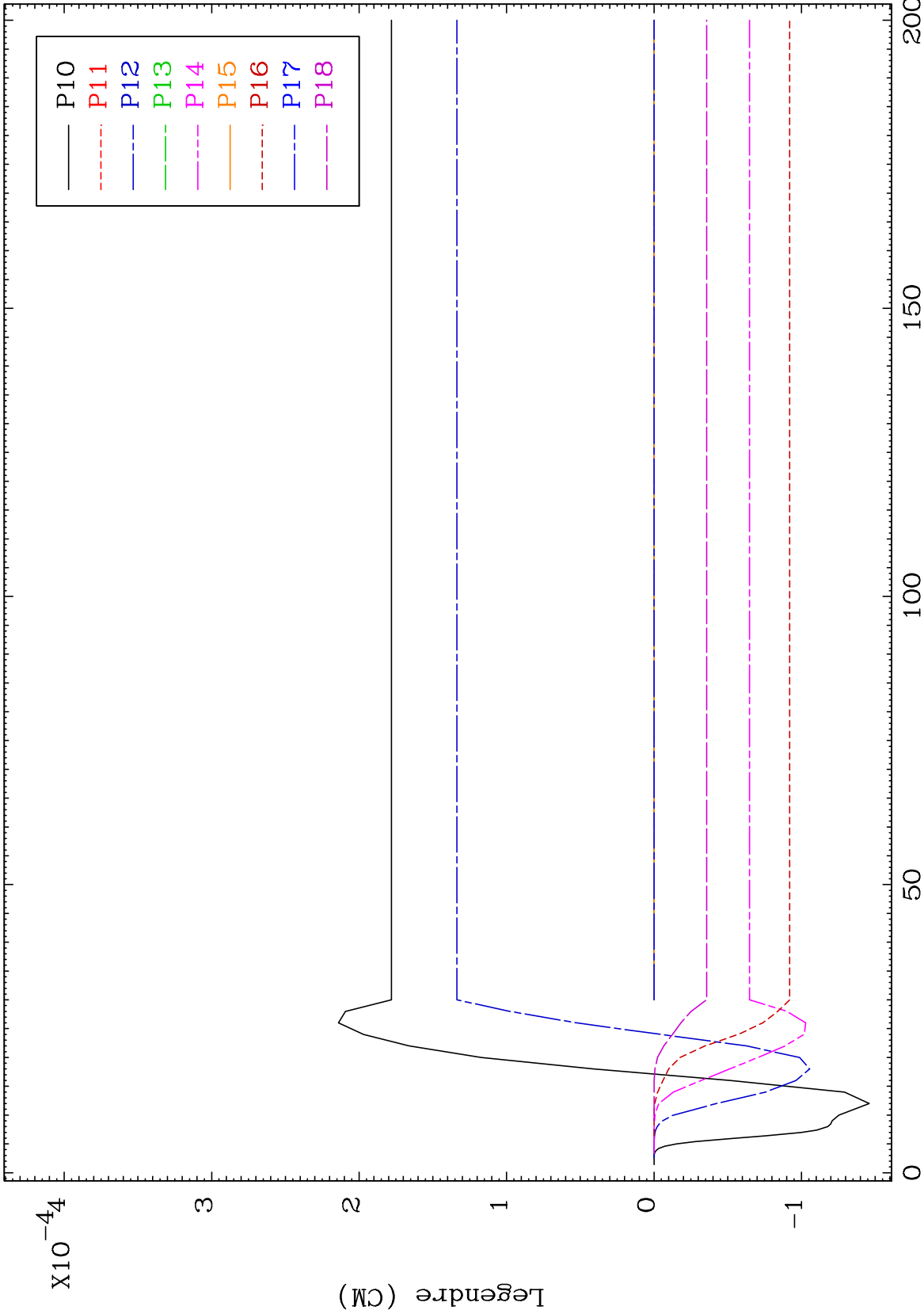


41 65-Tb-156

MAT 6516

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

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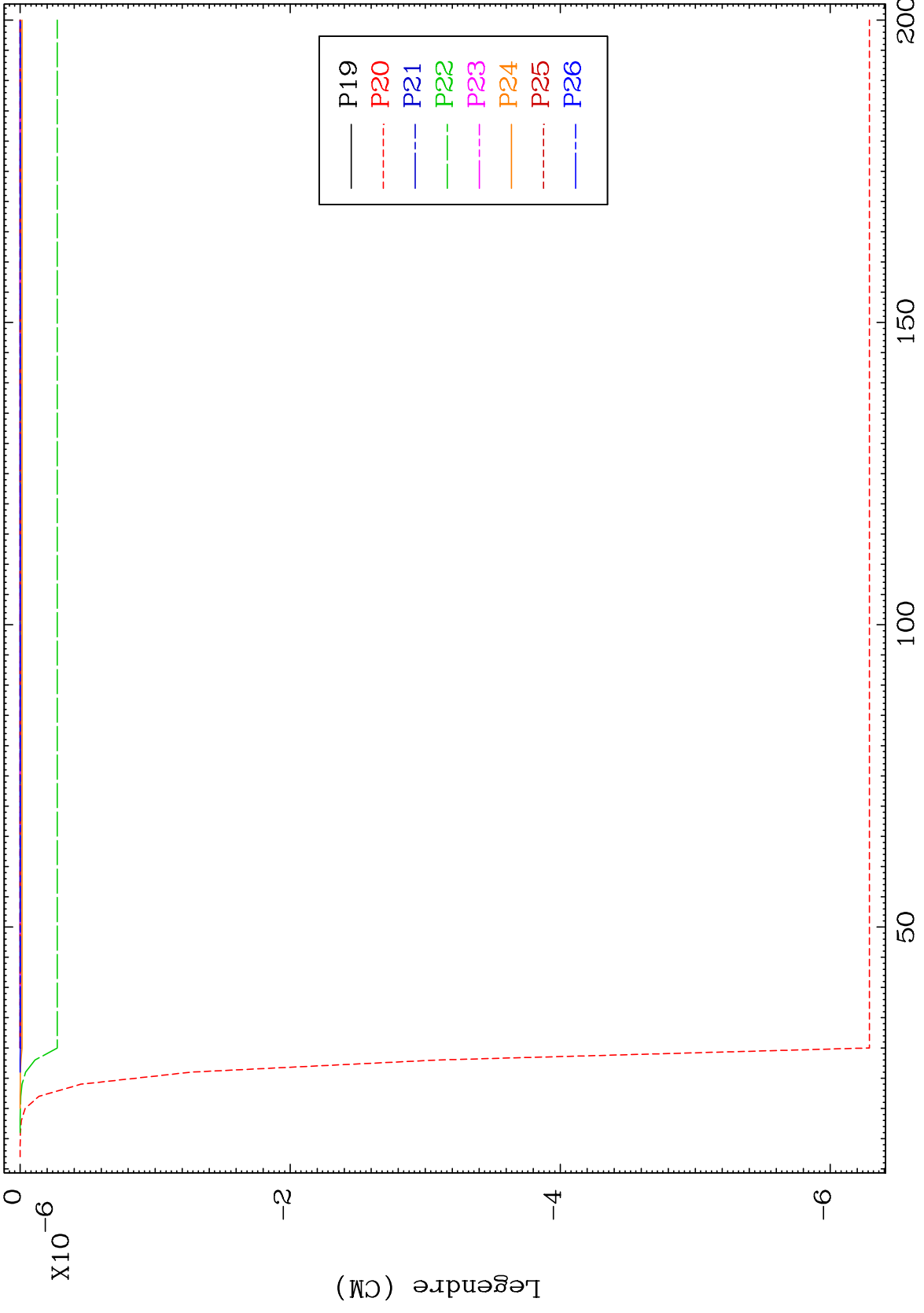


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Incident Energy (MeV)

65-Tb-156

MAT 6516 MT= 57 (n,n') Level Legendre Coefficients 65-Tb-156

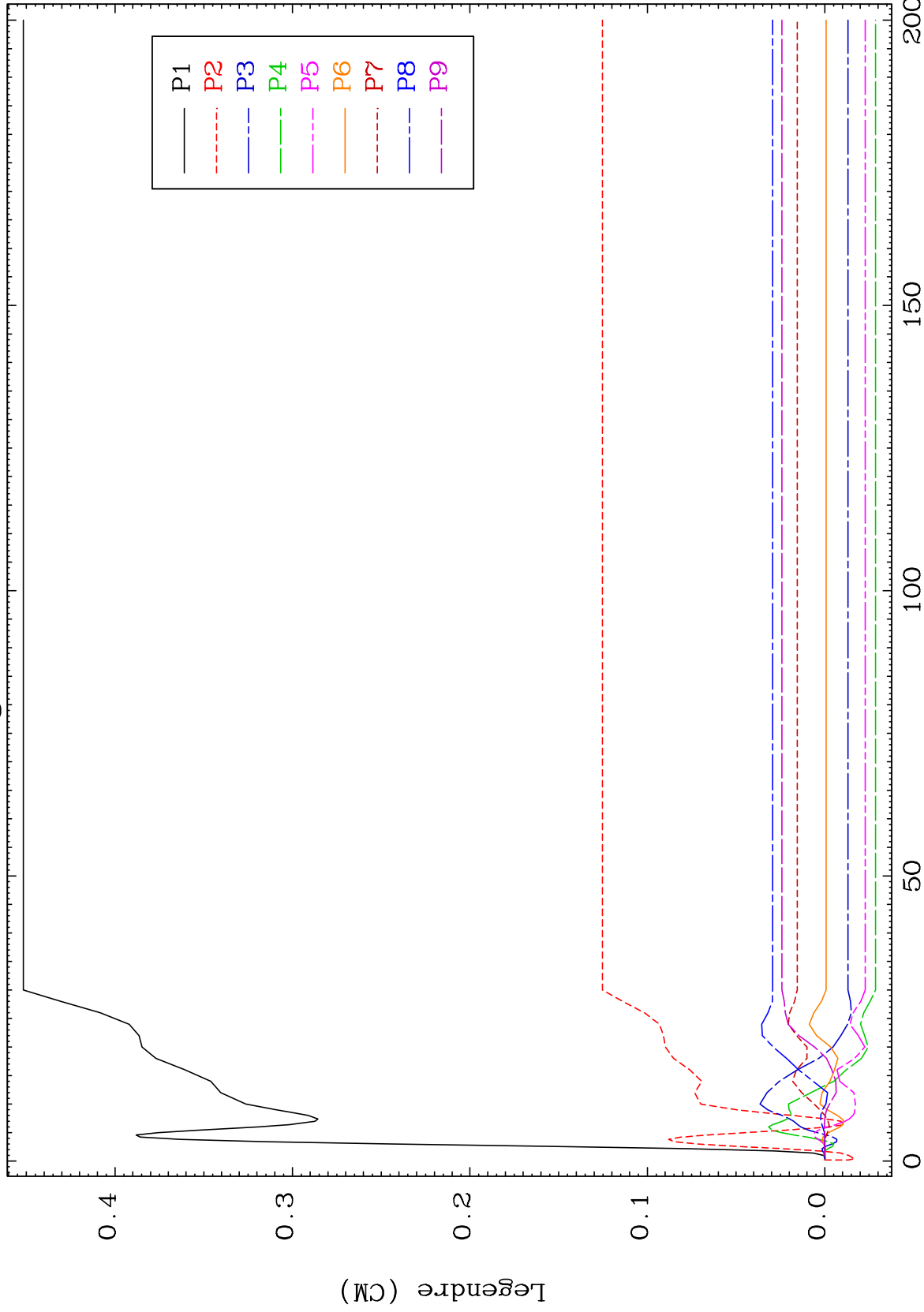


43 Incident Energy (MeV) 65-Tb-156

MAT 6516

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

65-Tb-156



44

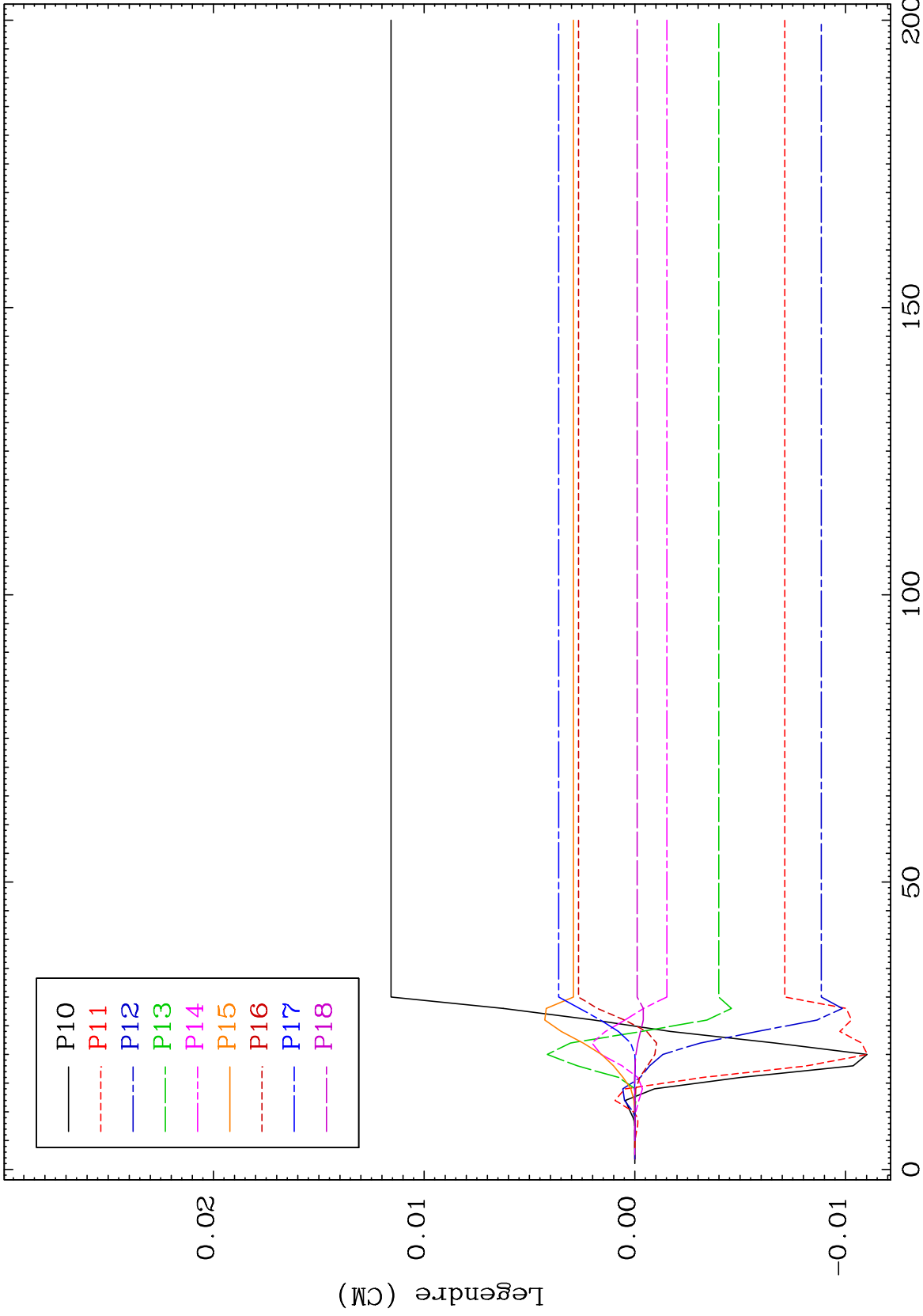
Incident Energy (MeV)

65-Tb-156

MAT 6516

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

65-Tb-156



45

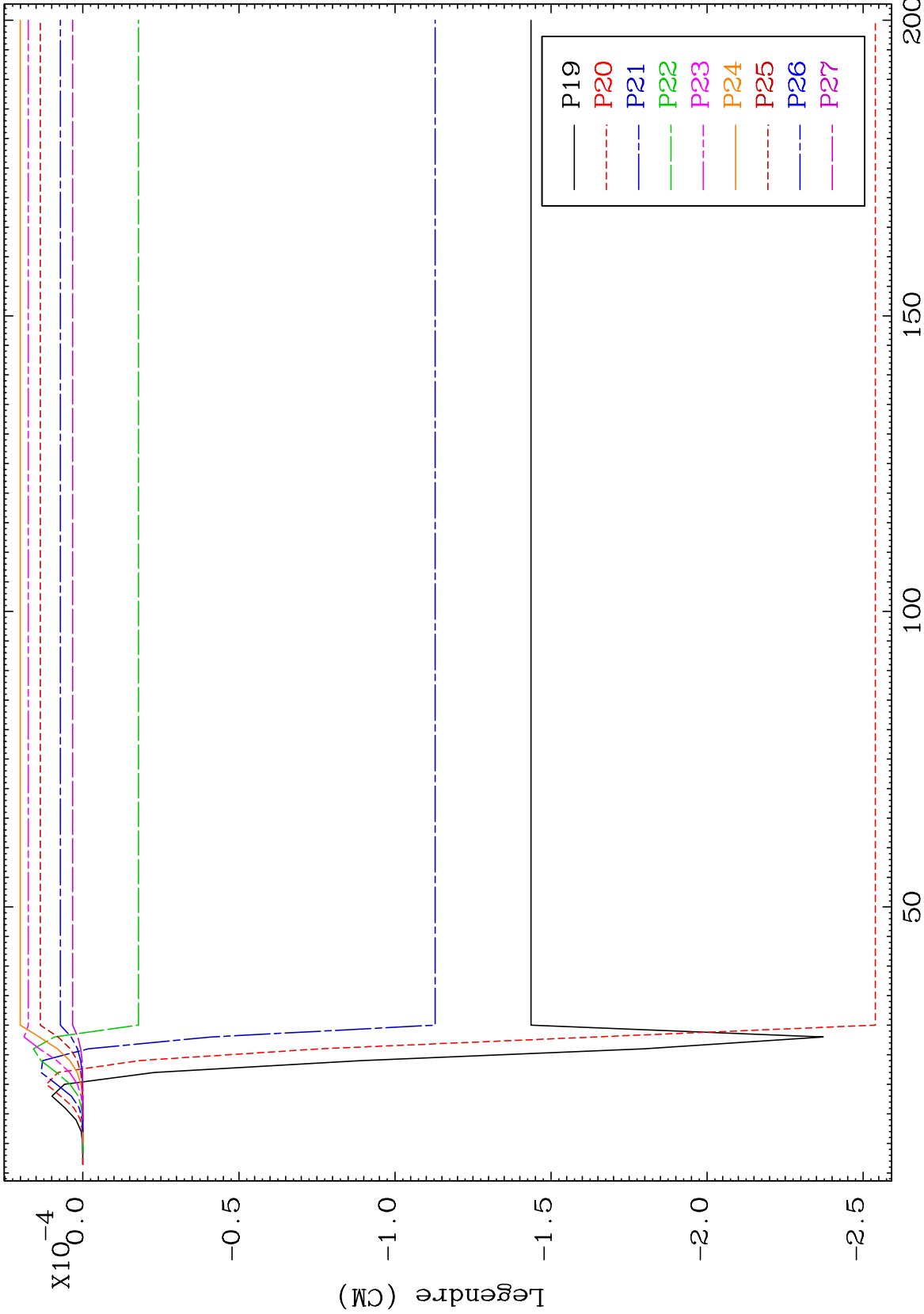
Incident Energy (MeV)

65-Tb-156

MAT 6516

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

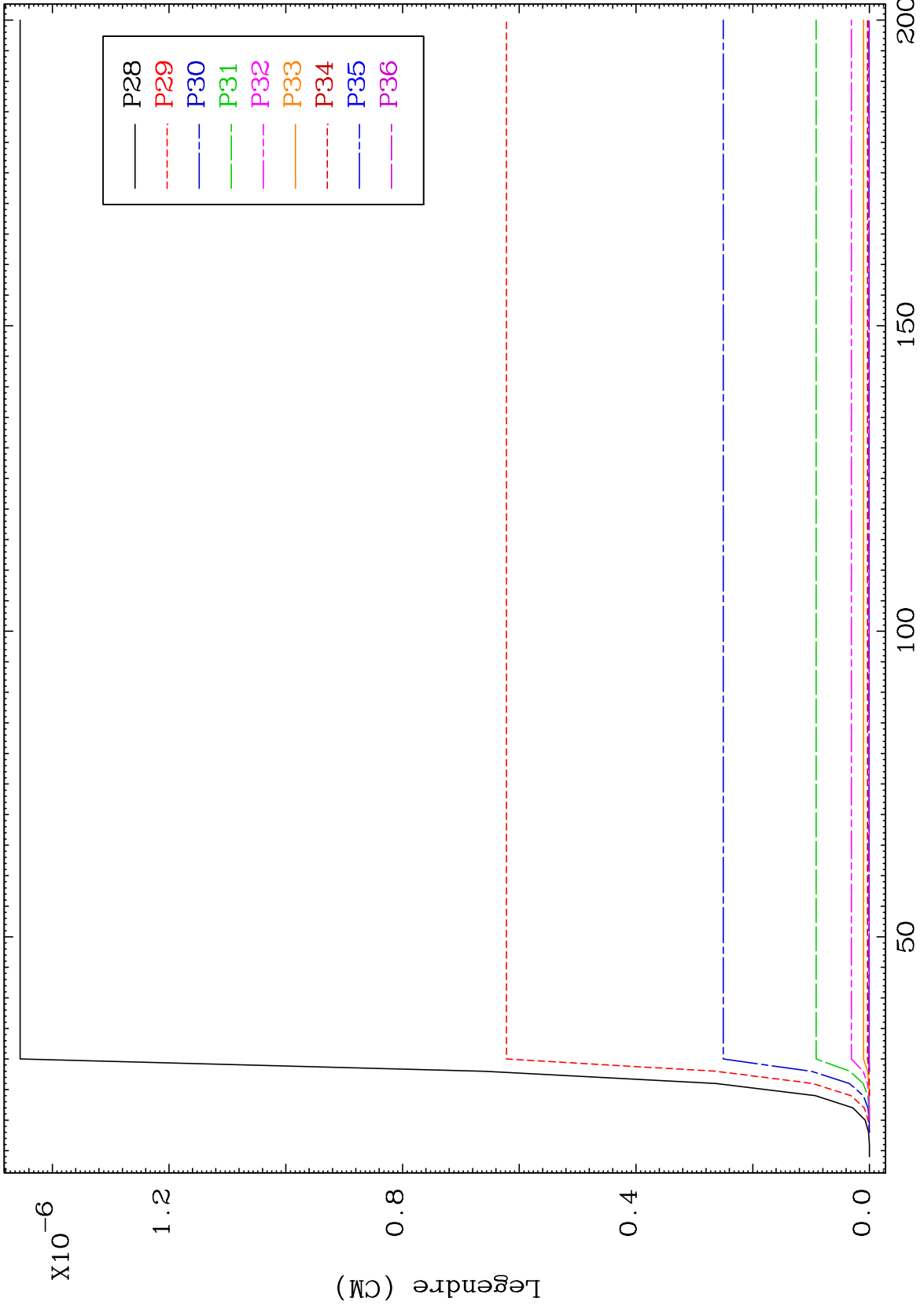
65-Tb-156



46

65-Tb-156

MAT 6516 MT= 58 (n,n') Level Legendre Coefficients 65-Tb-156



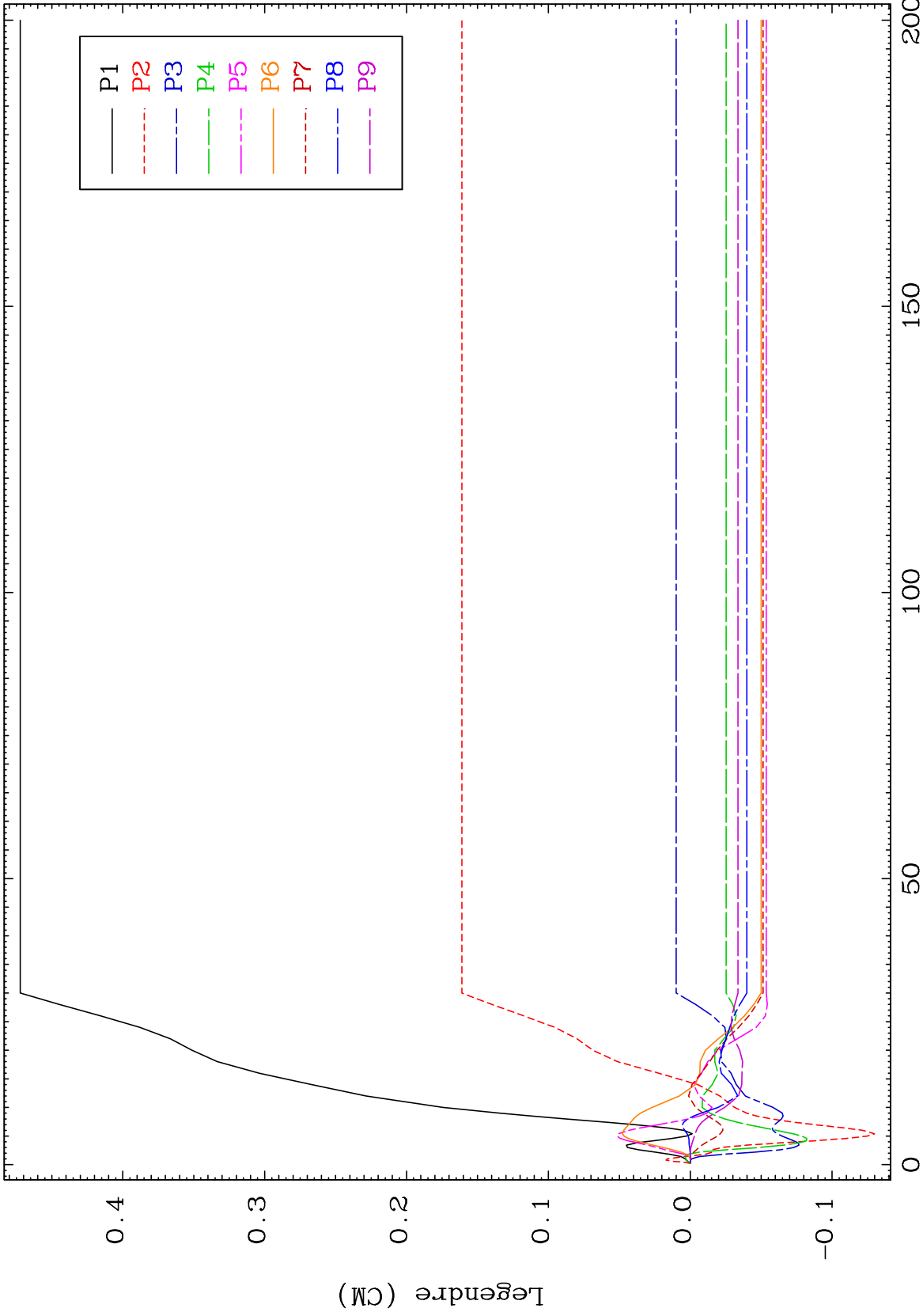
47 50 100 150 200 65-Tb-156



MAT 6516

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

65-Tb-156



48

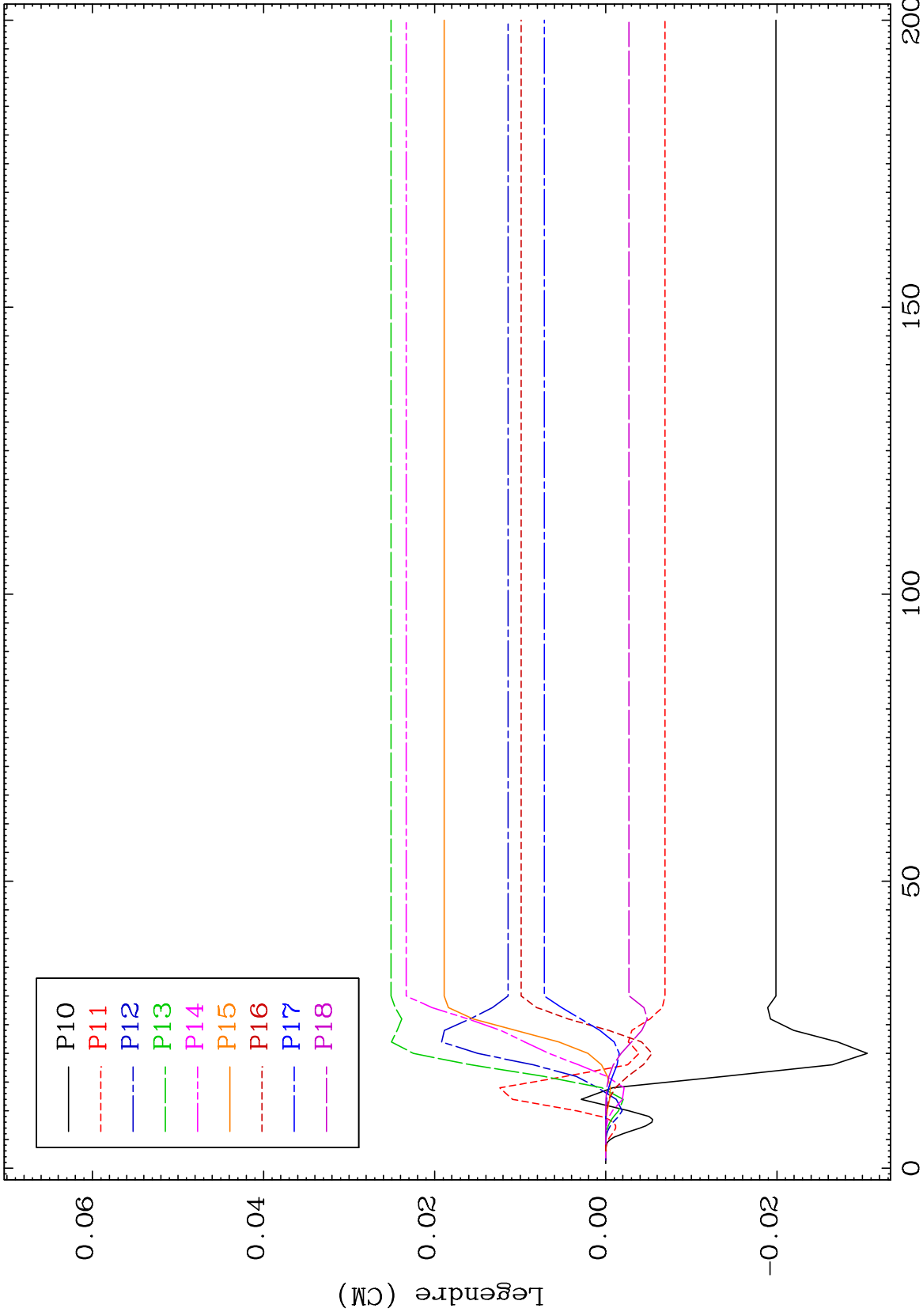
Incident Energy (MeV)

65-Tb-156

MAT 6516

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

65-Tb-156



49

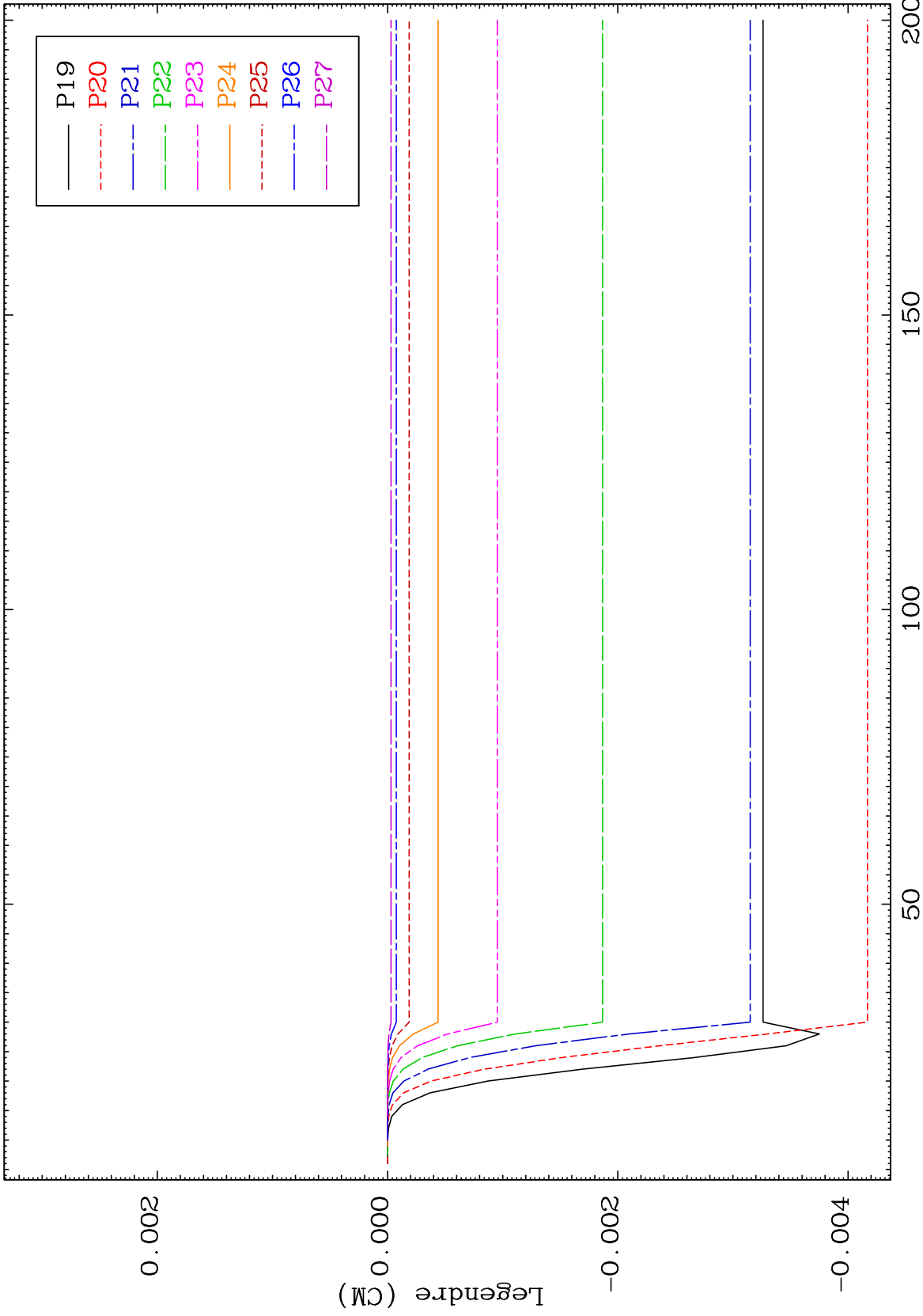
Incident Energy (MeV)

65-Tb-156

MAT 6516

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

65-Tb-156



50

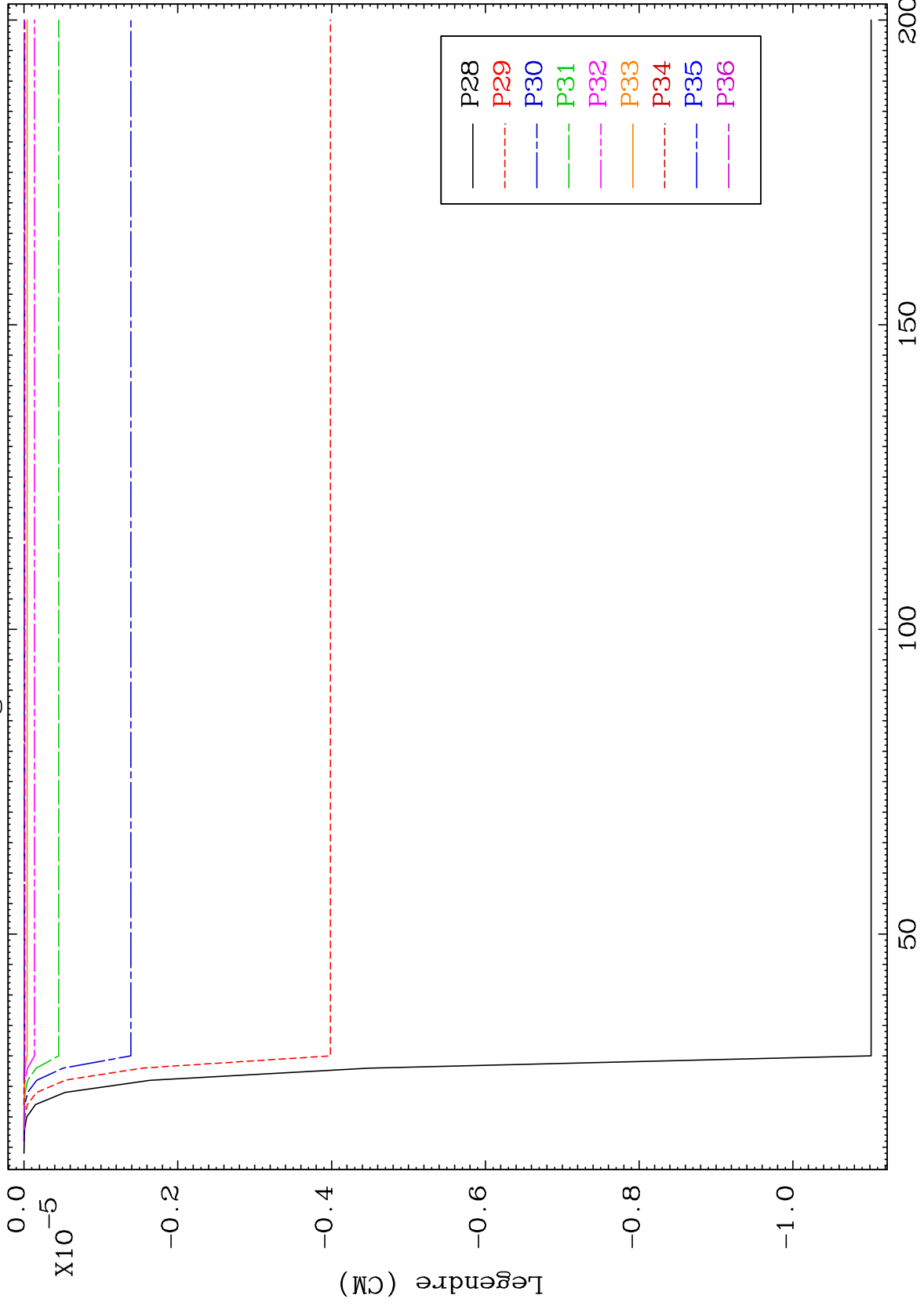
Incident Energy (MeV)

65-Tb-156

MAT 6516

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

65-Tb-156

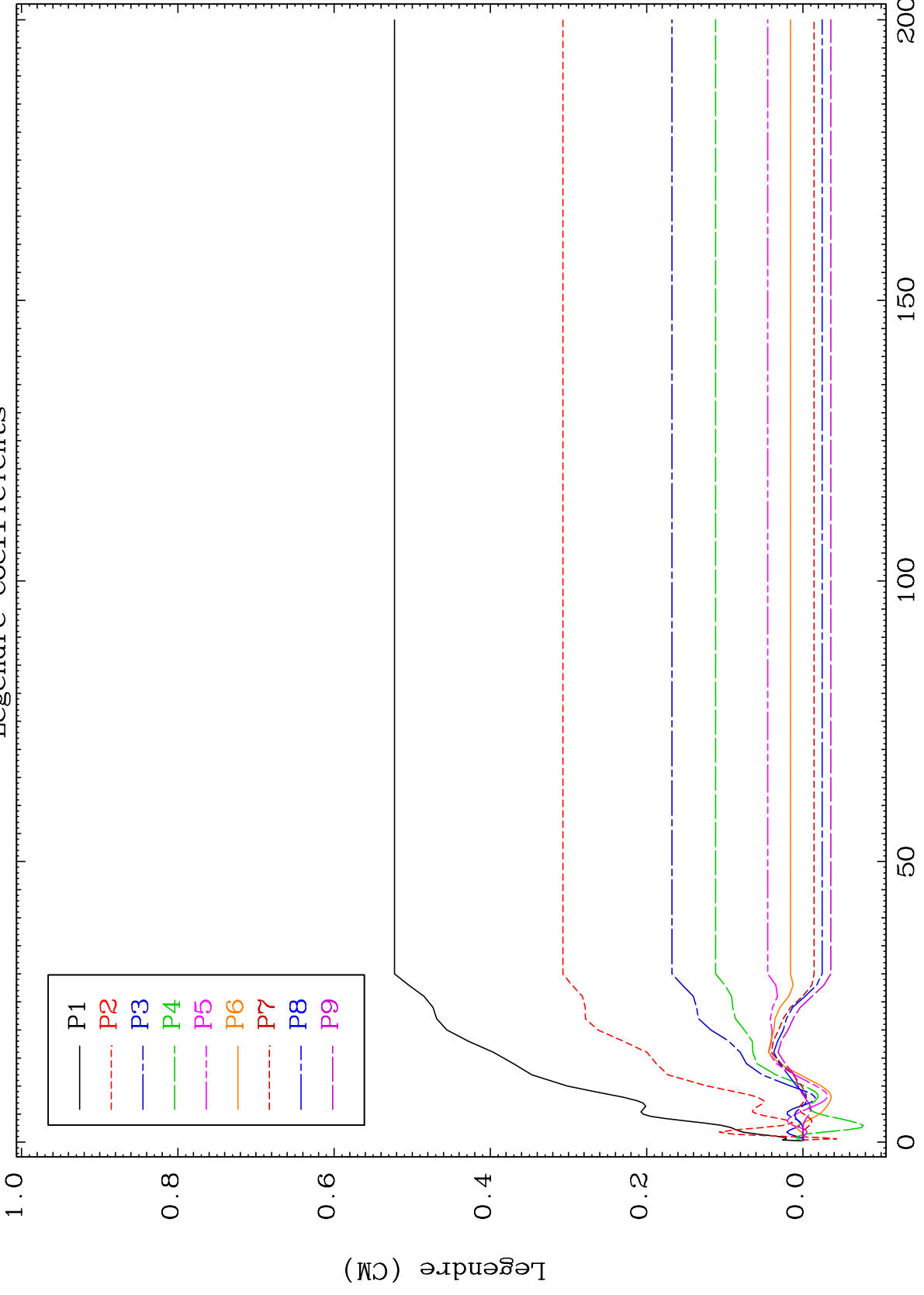


65-Tb-156

Incident Energy (MeV)

51

MAT 6516 MT= 60 (n,n') Level Legendre Coefficients 65-Tb-156

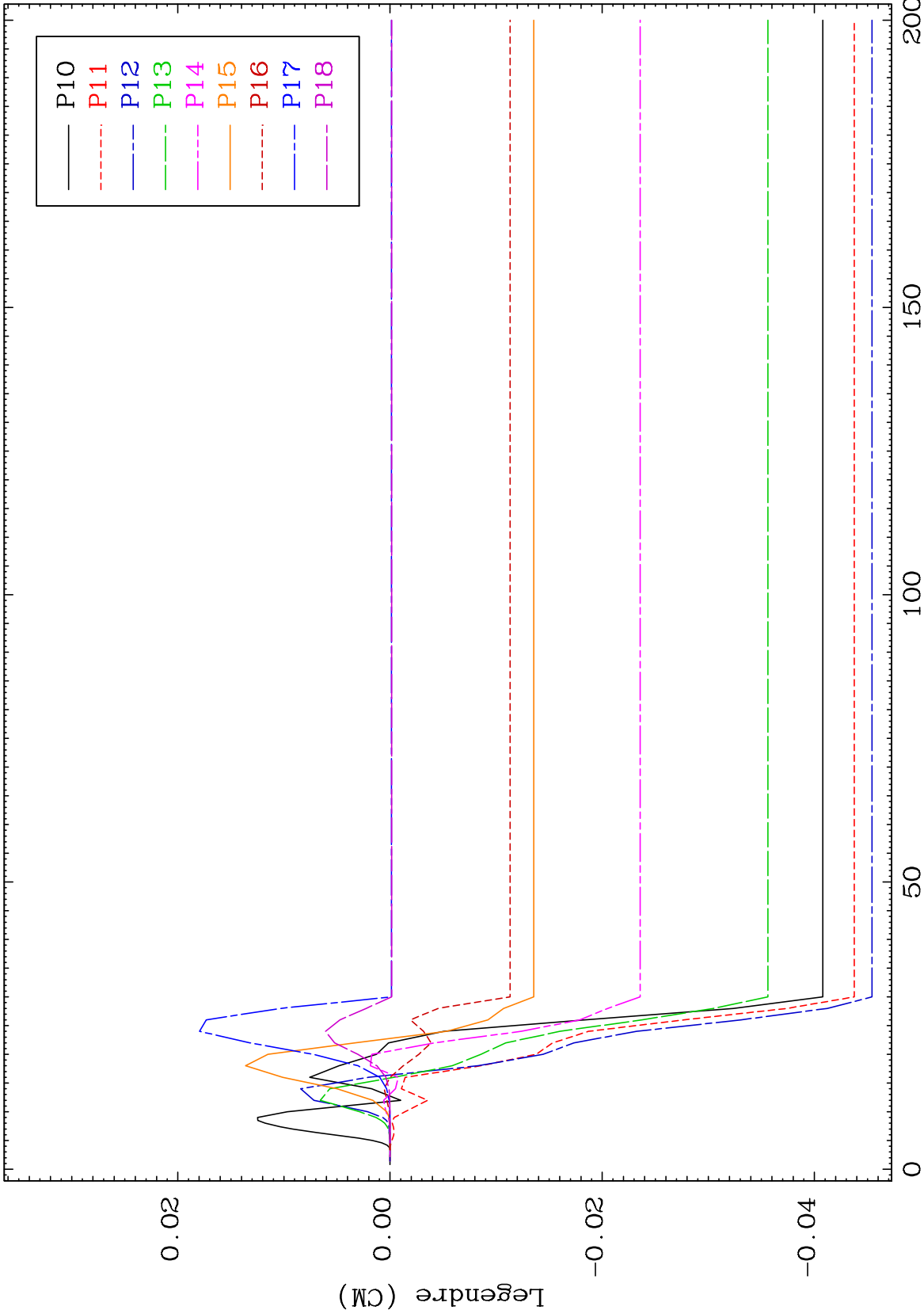


52 65-Tb-156

MAT 6516

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

65-Tb-156



53

Incident Energy (MeV)

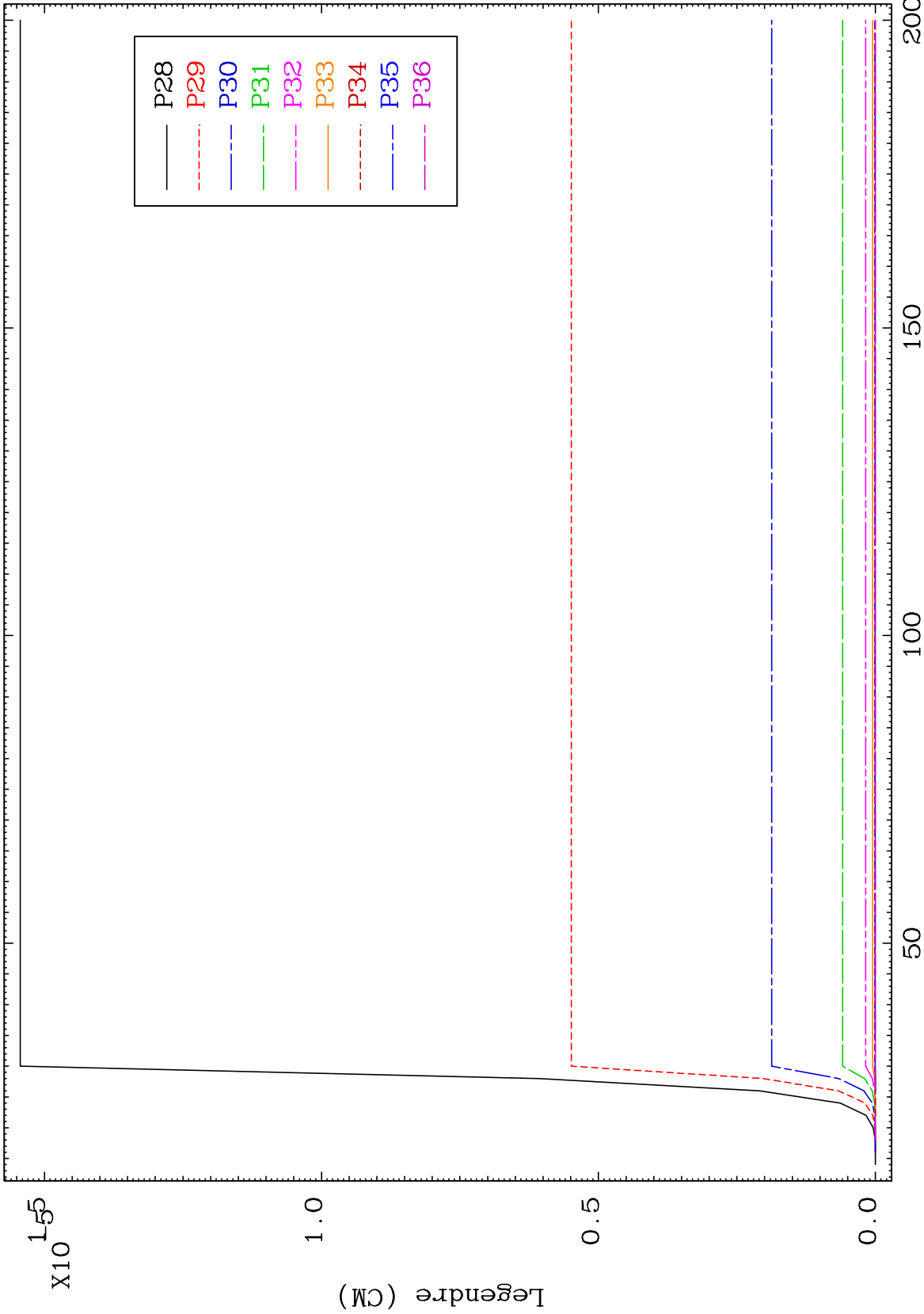
65-Tb-156



MAT 6516

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

65-Tb-156



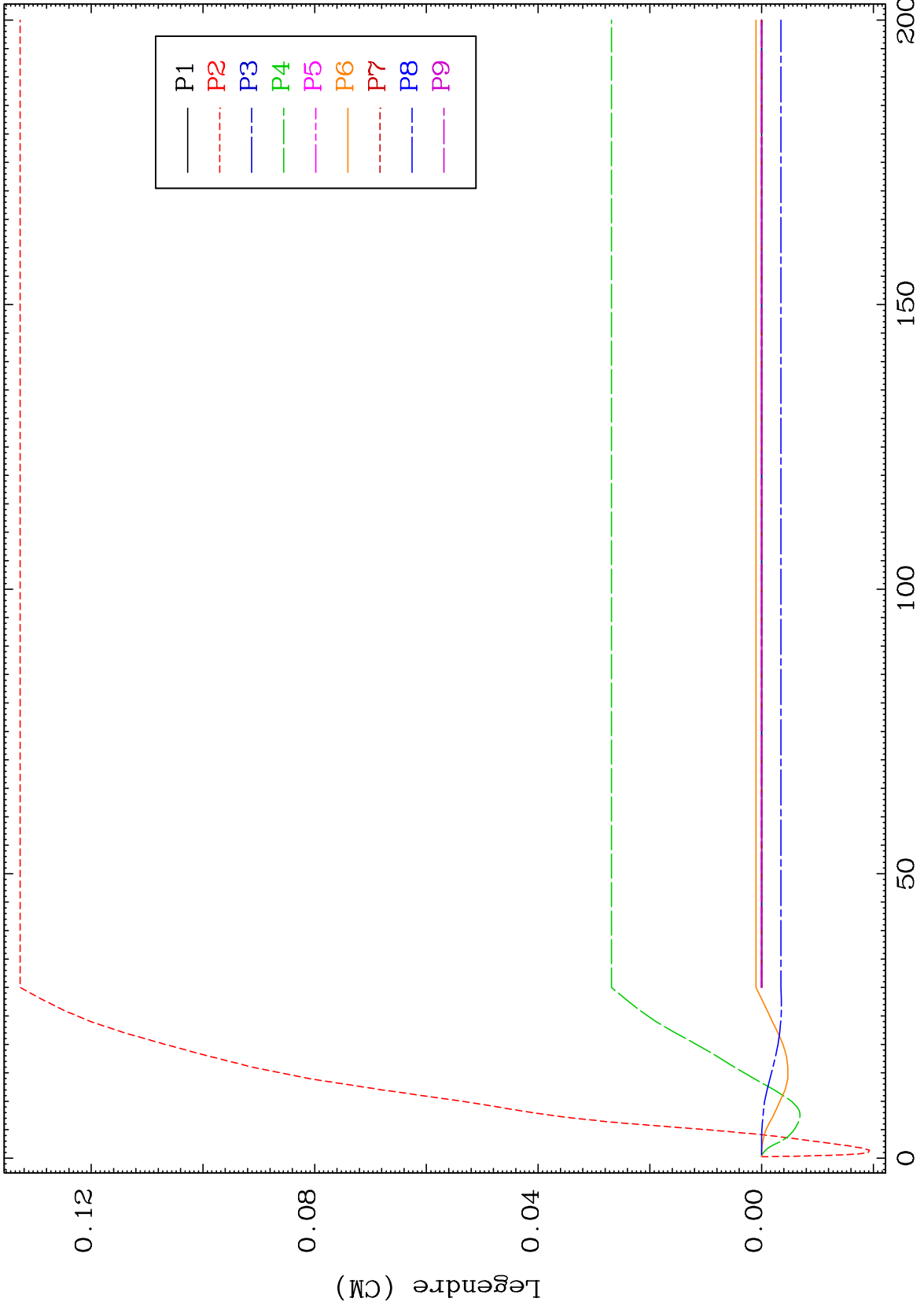
55

Incident Energy (MeV)

65-Tb-156



MAT 6516 MT= 61 (n,n') Level Legendre Coefficients 65-Tb-156

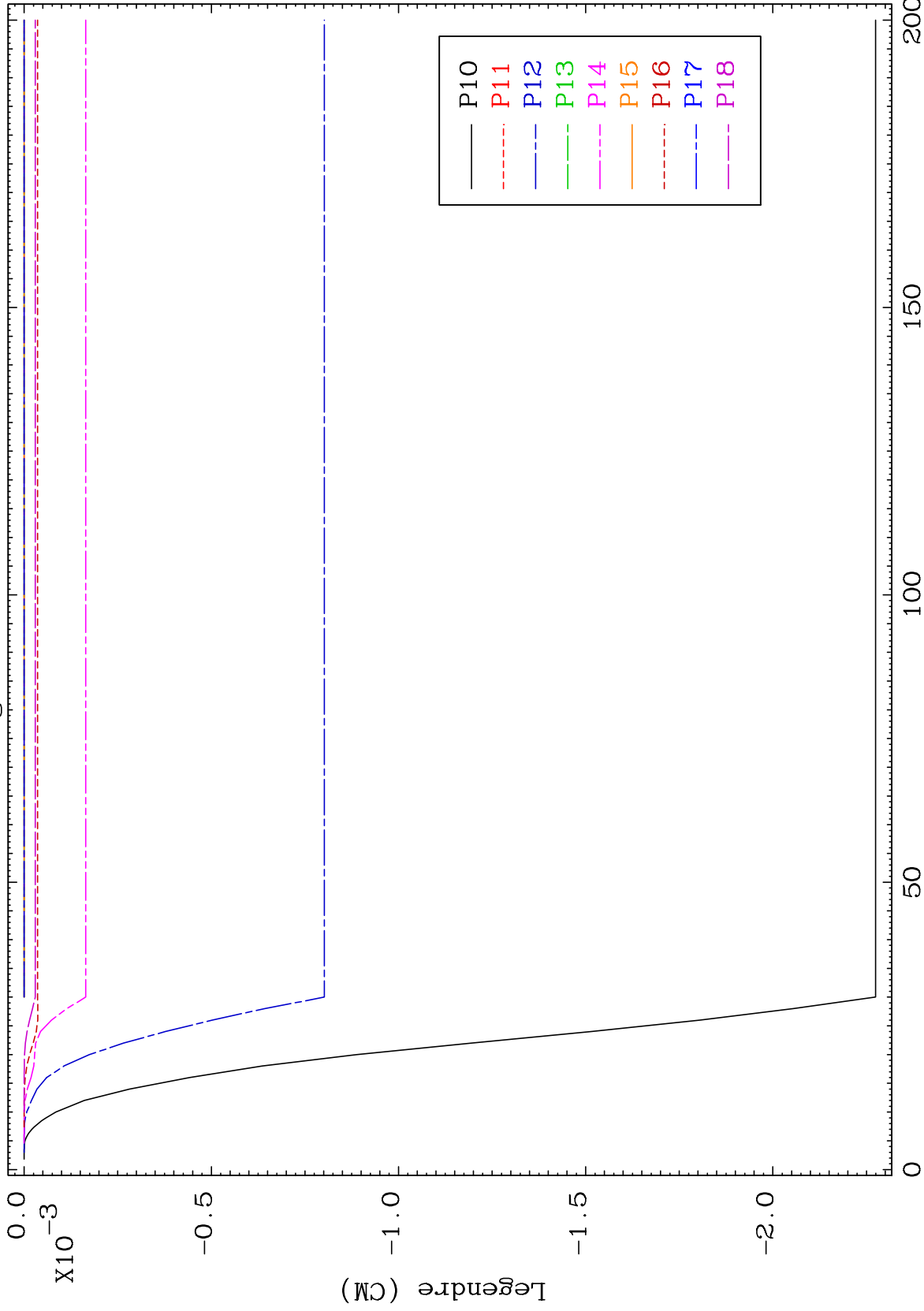


56 65-Tb-156

MAT 6516

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

65-Tb-156

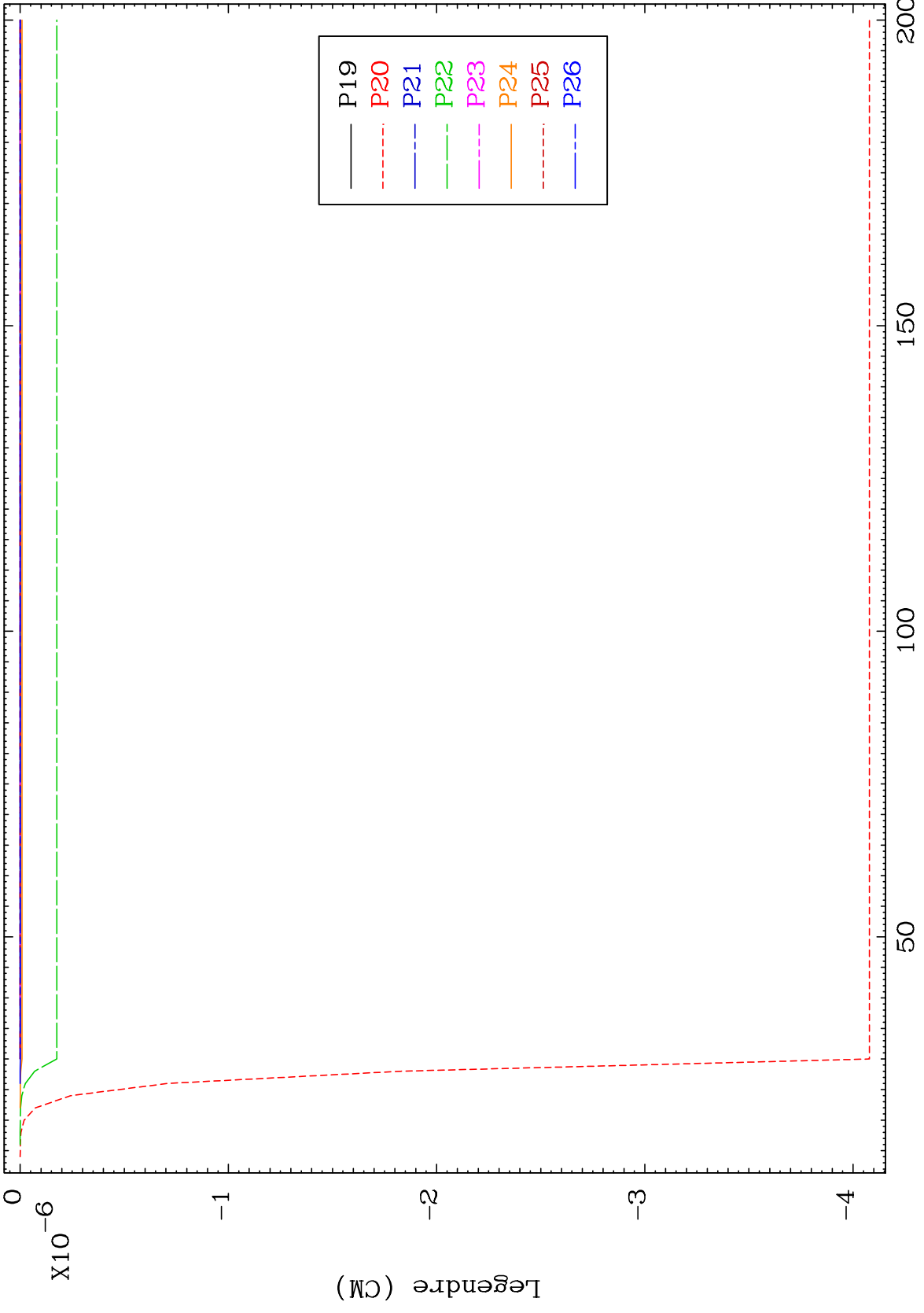


65-Tb-156

Incident Energy (MeV)

57

MAT 6516 MT= 61 (n,n') Level Legendre Coefficients 65-Tb-156

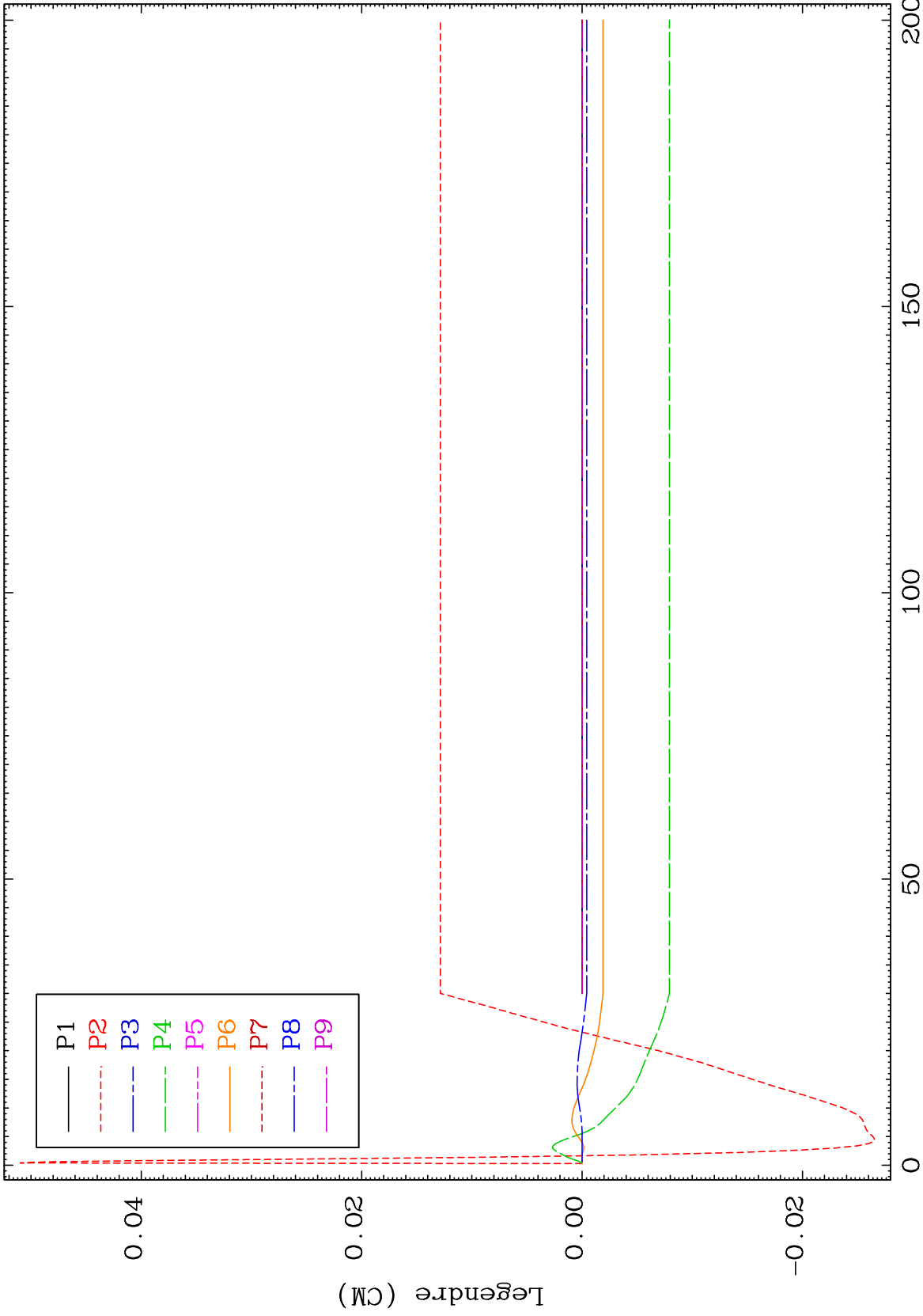


58 Incident Energy (MeV) 65-Tb-156

MAT 6516

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

65-Tb-156



59

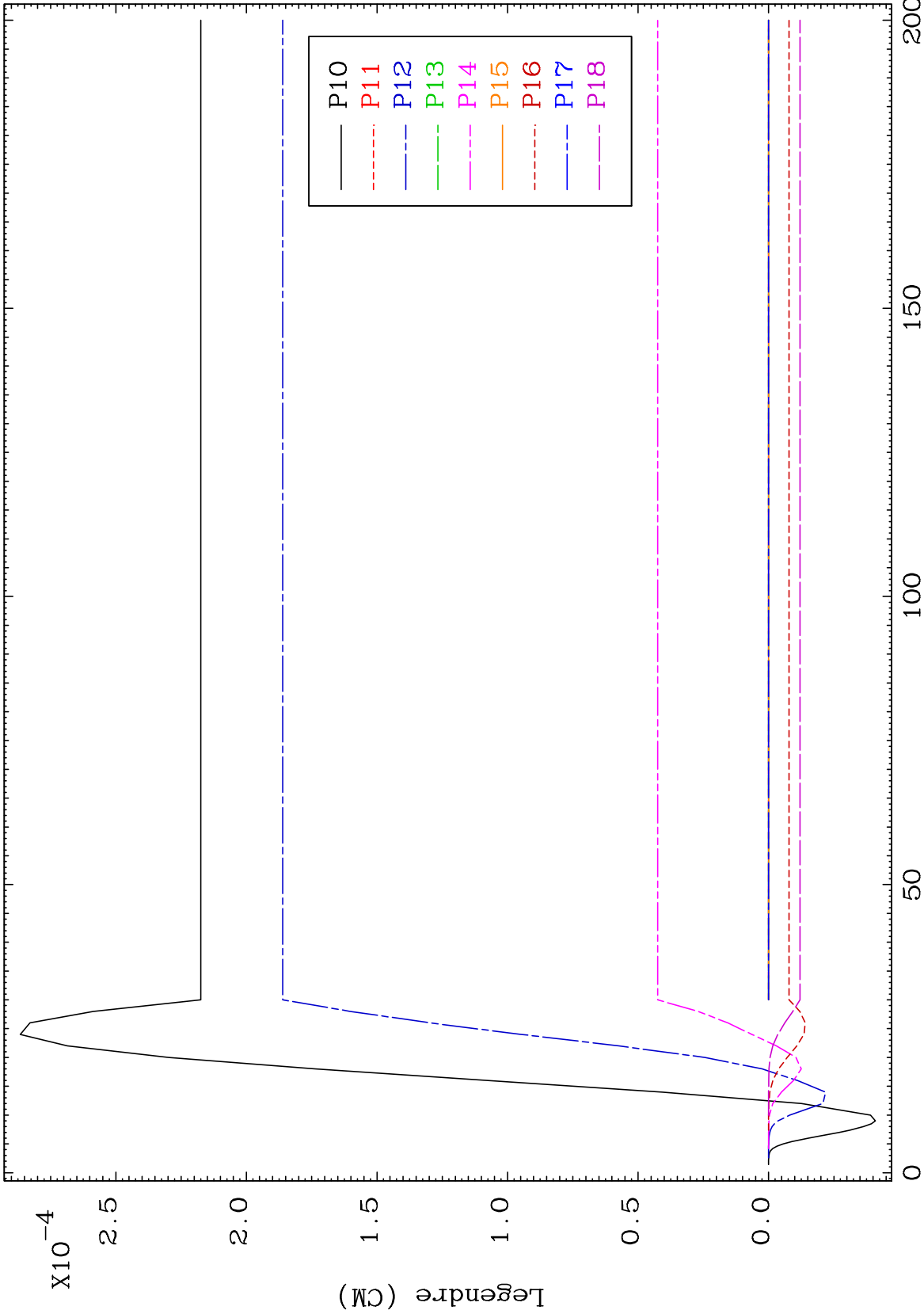
Incident Energy (MeV)

65-Tb-156

MAT 6516

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

65-Tb-156

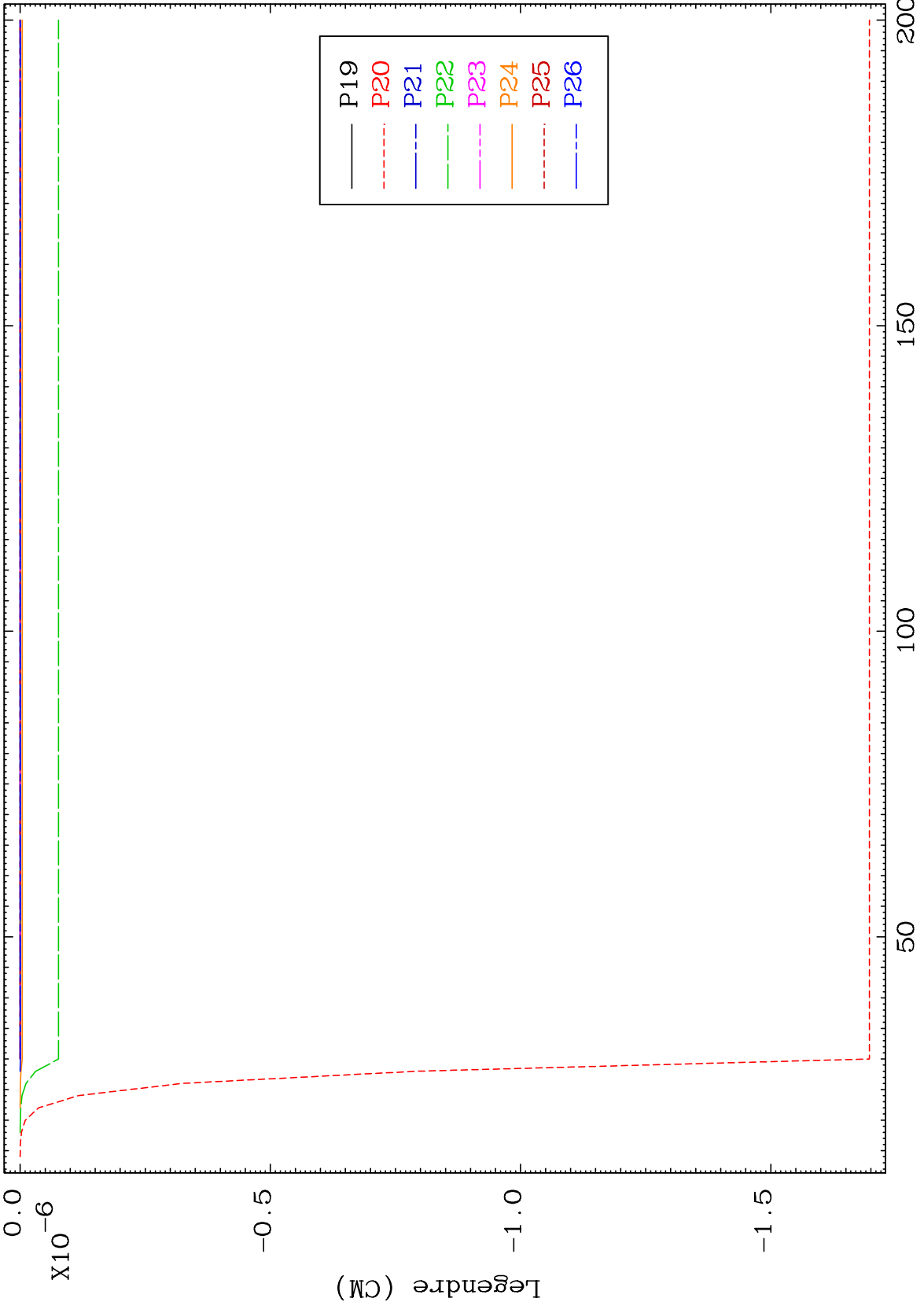


60

Incident Energy (MeV)

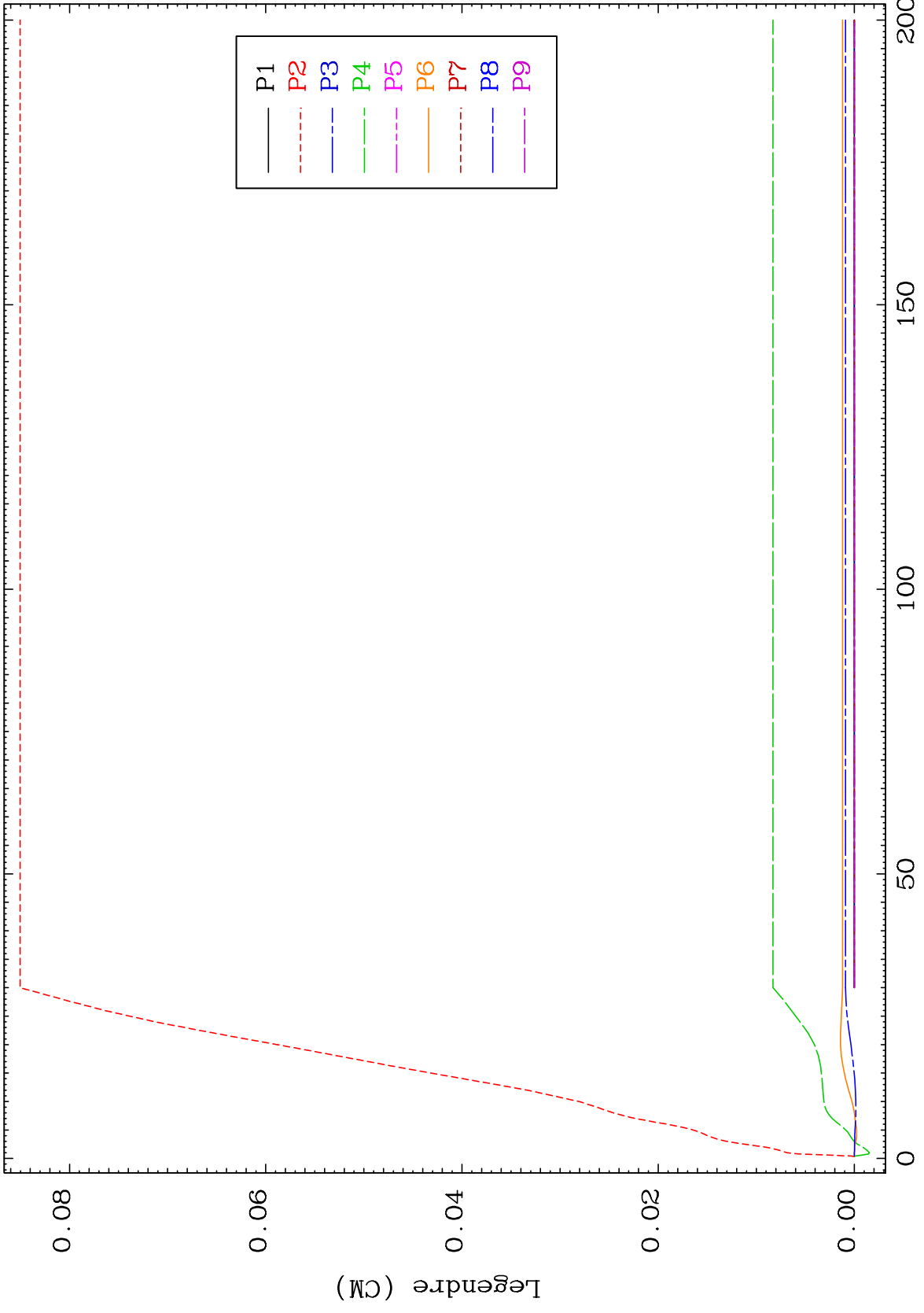
65-Tb-156

MAT 6516 MT= 62 (n,n') Level Legendre Coefficients 65-Tb-156



61 65-Tb-156

MAT 6516 MT= 63 (n,n') Level Legendre Coefficients 65-Tb-156

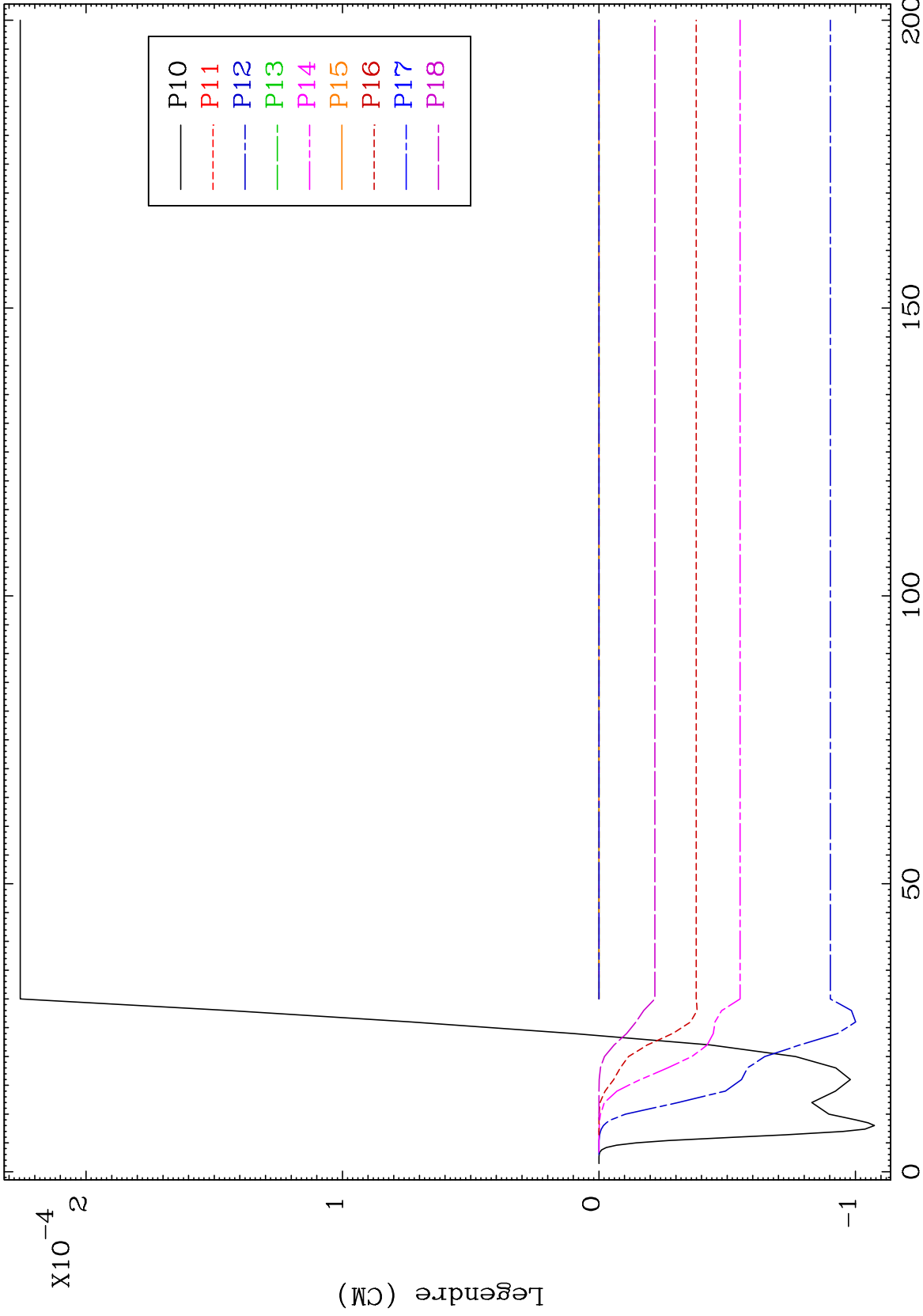


62 Incident Energy (MeV) 65-Tb-156

MAT 6516

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

65-Tb-156



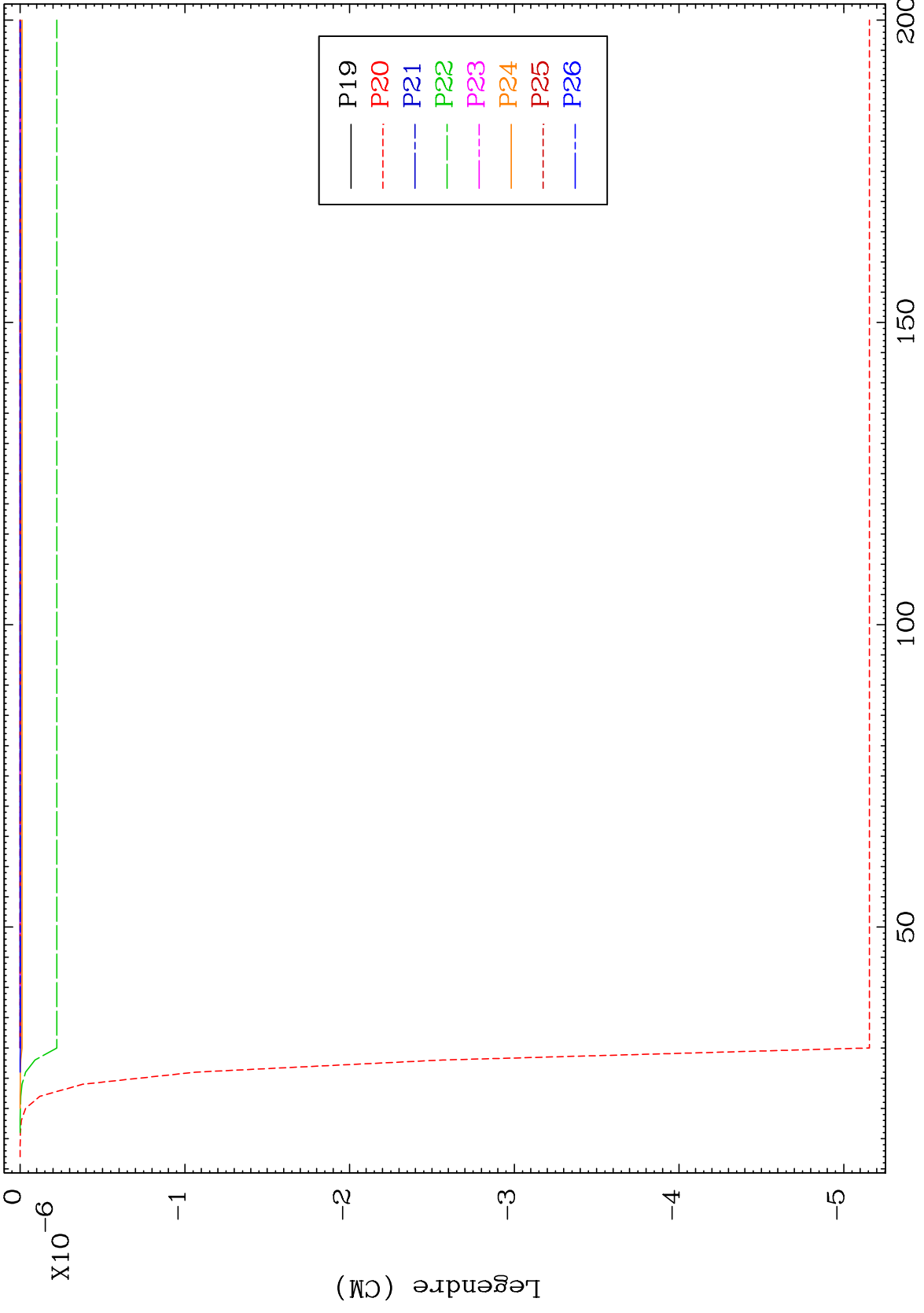
63

Incident Energy (MeV)

65-Tb-156

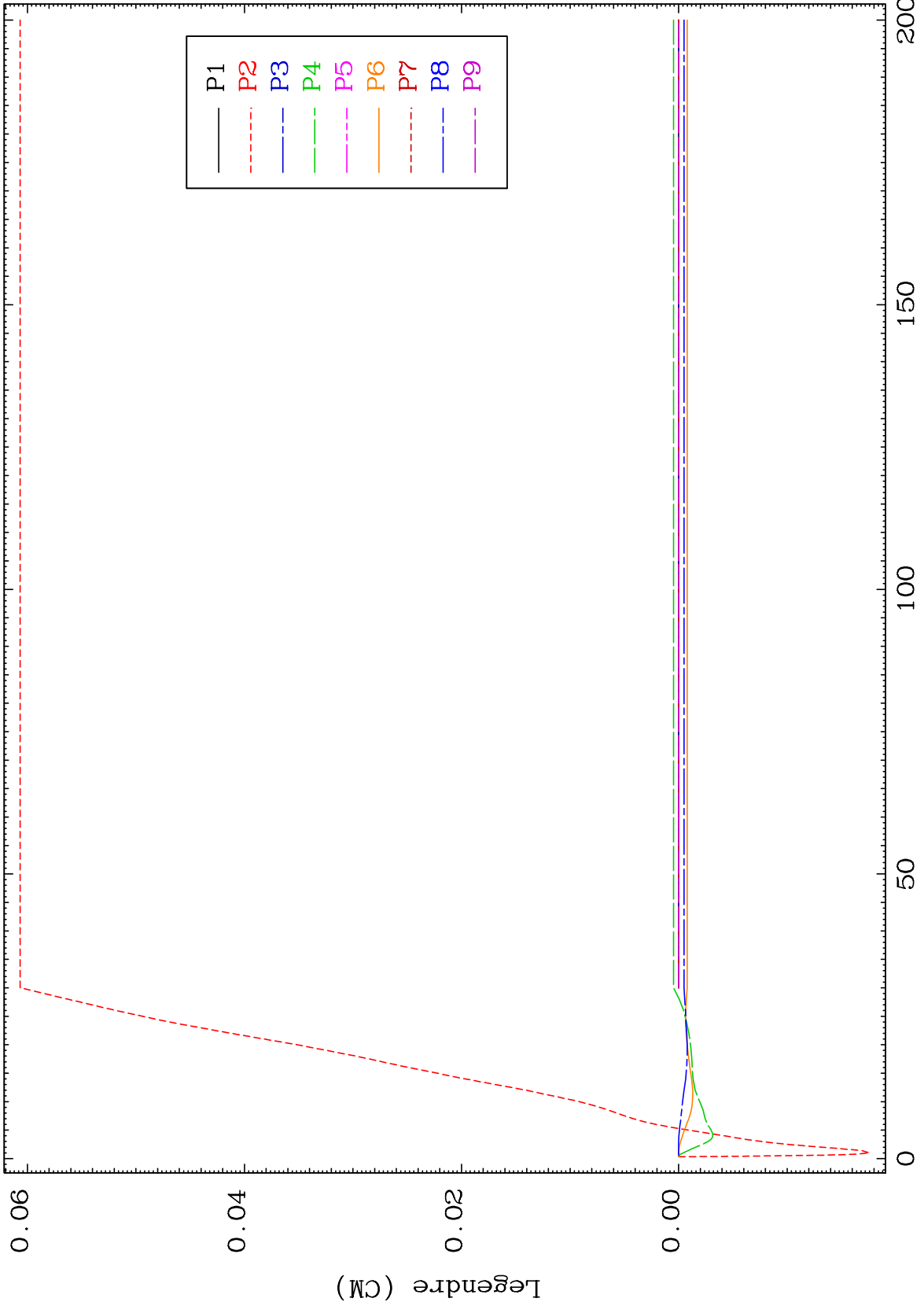


MAT 6516 MT= 63 (n,n') Level Legendre Coefficients 65-Tb-156



64 65-Tb-156

MAT 6516 MT= 64 (n,n') Level Legendre Coefficients 65-Tb-156

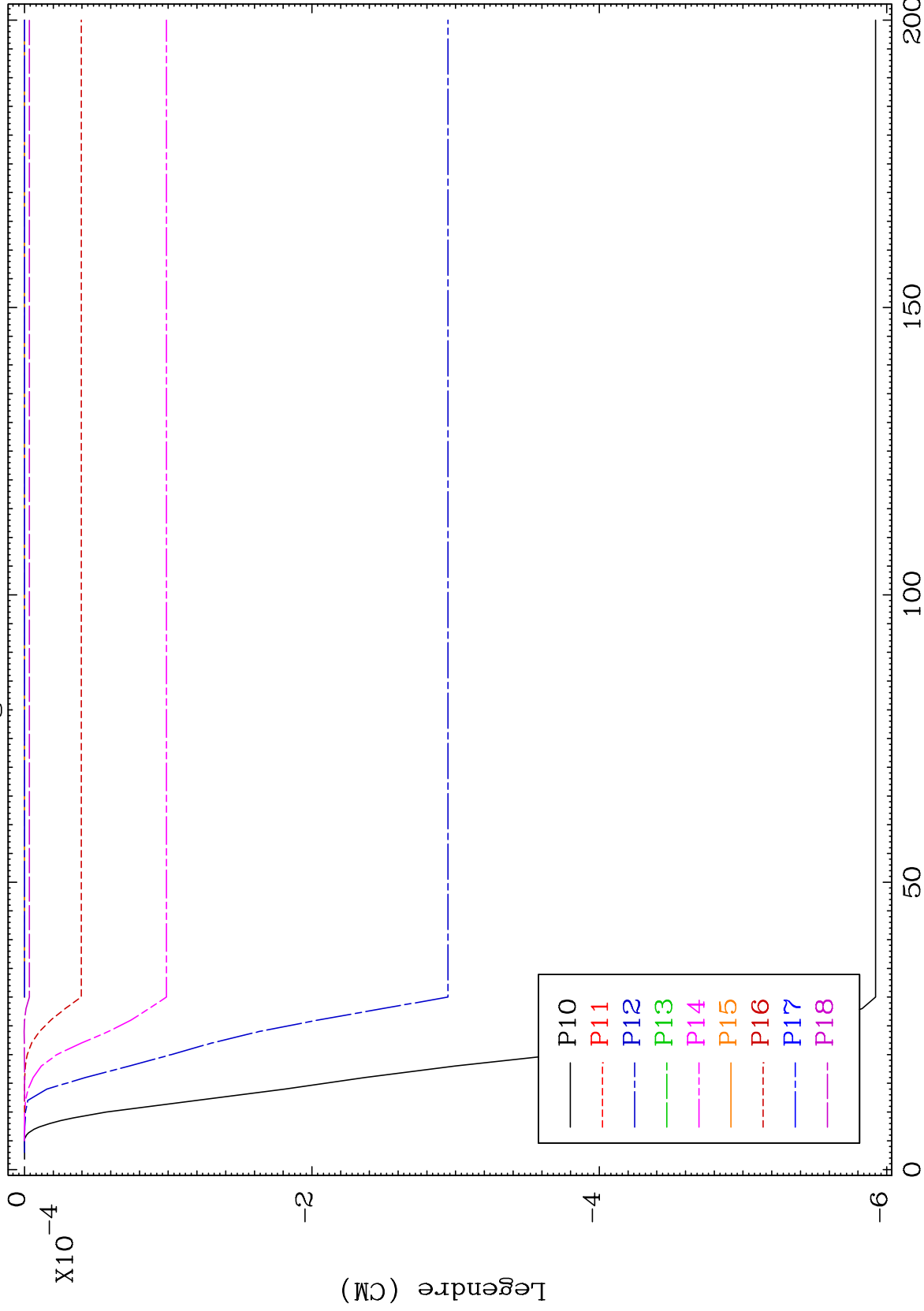


65 65-Tb-156

MAT 6516

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

65-Tb-156

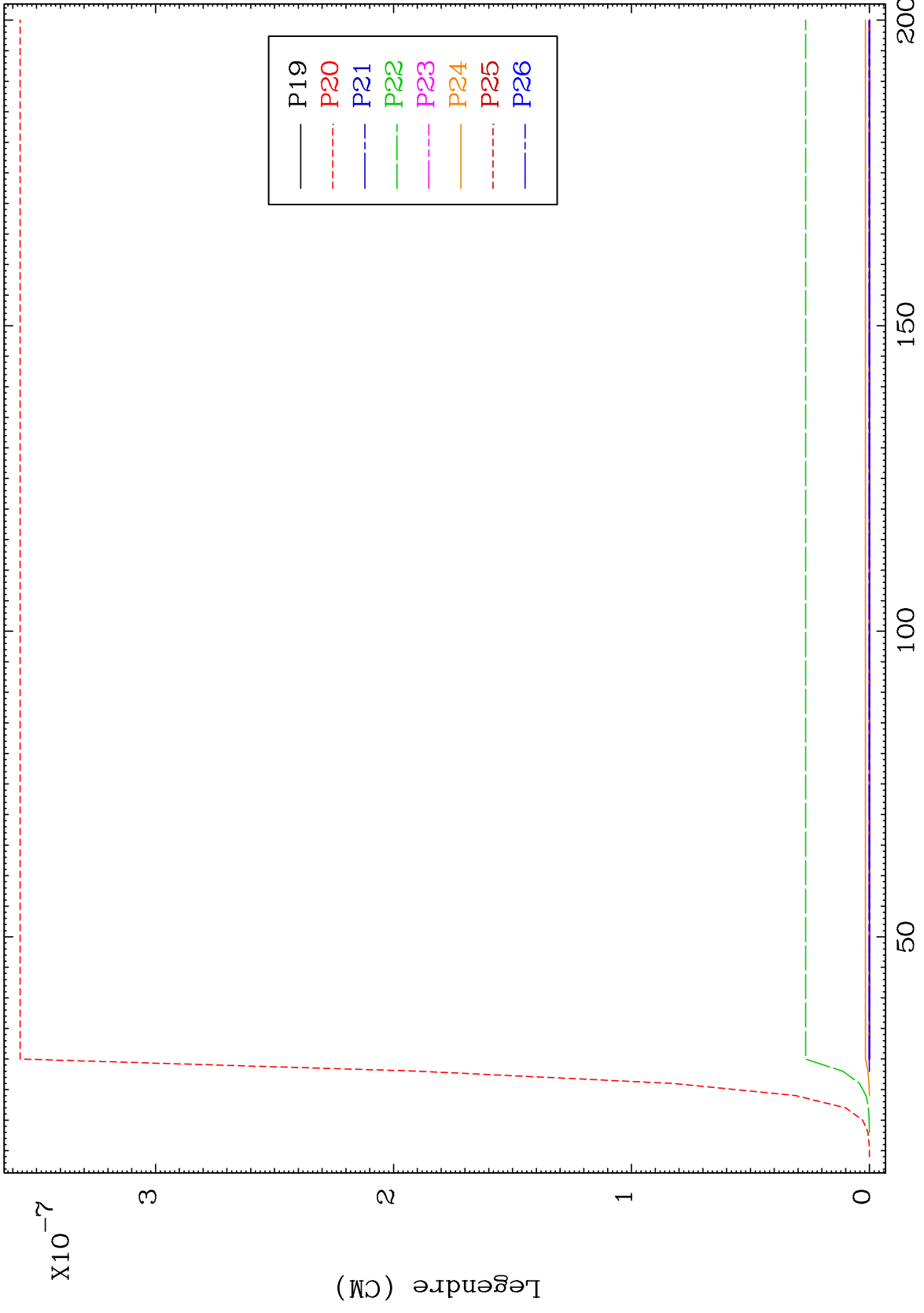


65-Tb-156

Incident Energy (MeV)

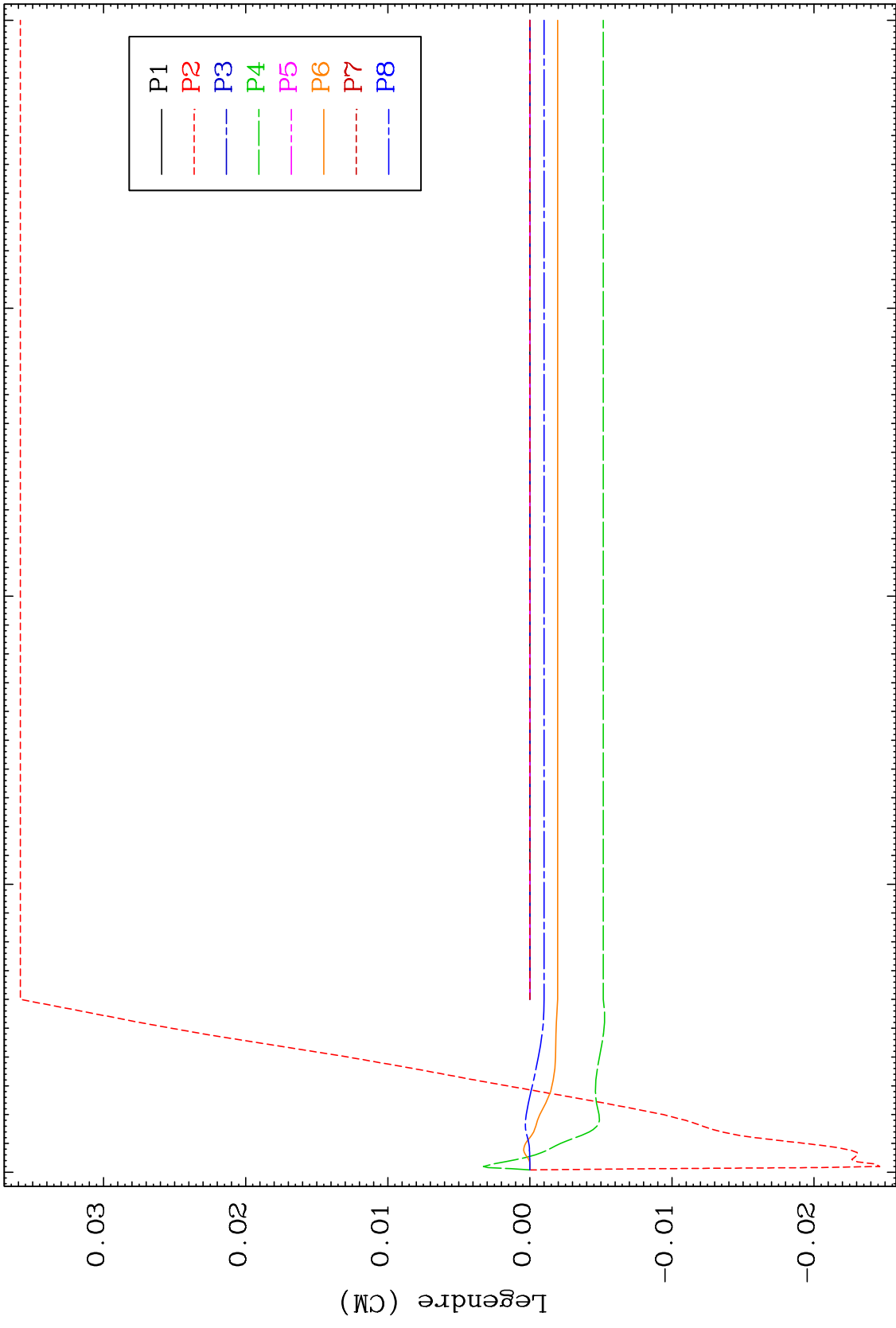
66

MAT 6516 MT= 64 (n,n') Level Legendre Coefficients 65-Tb-156



67 65-Tb-156

MAT 6516 MT= 65 (n,n') Level Legendre Coefficients 65-Tb-156

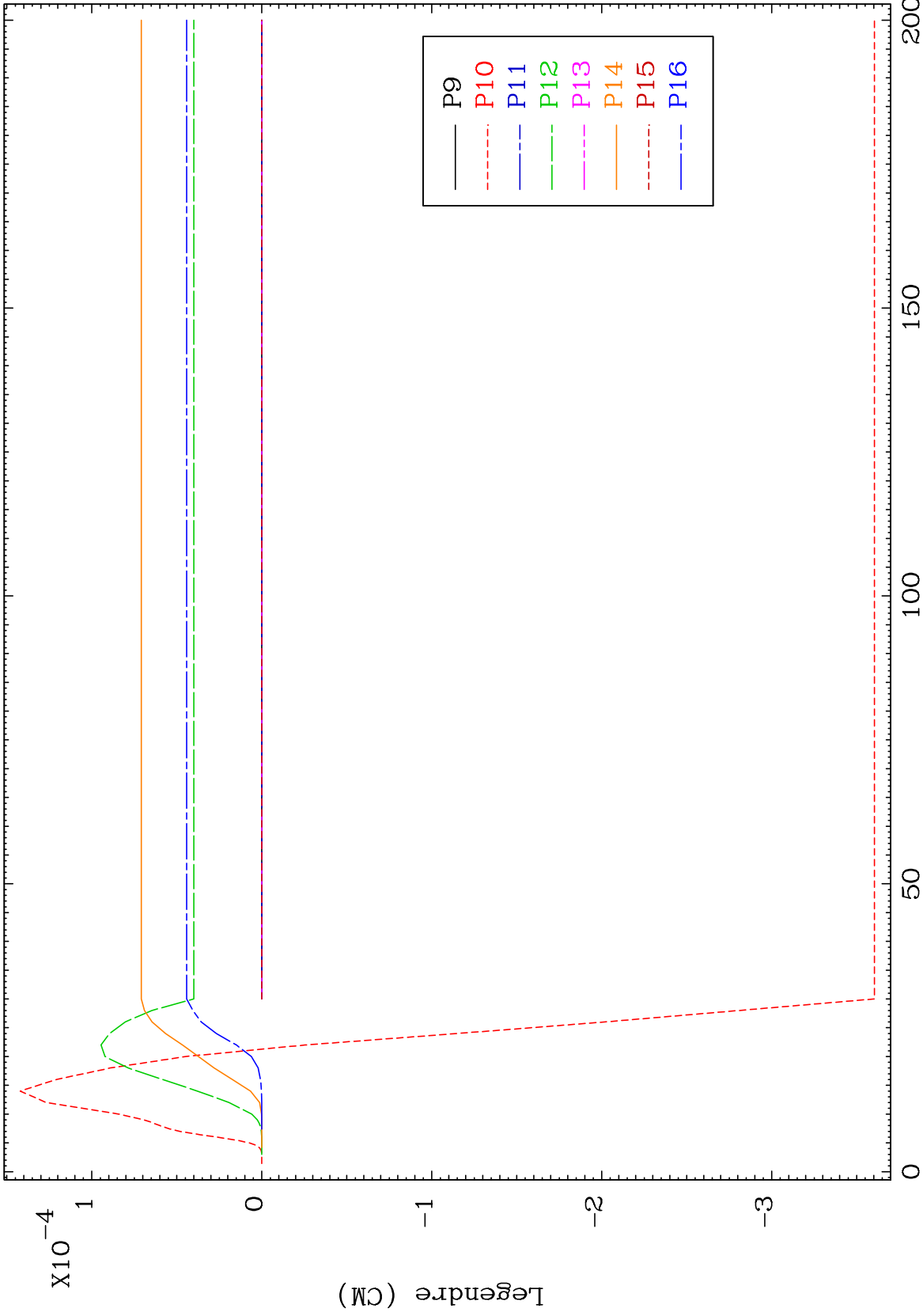


68 65-Tb-156

MAT 6516

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

65-Tb-156

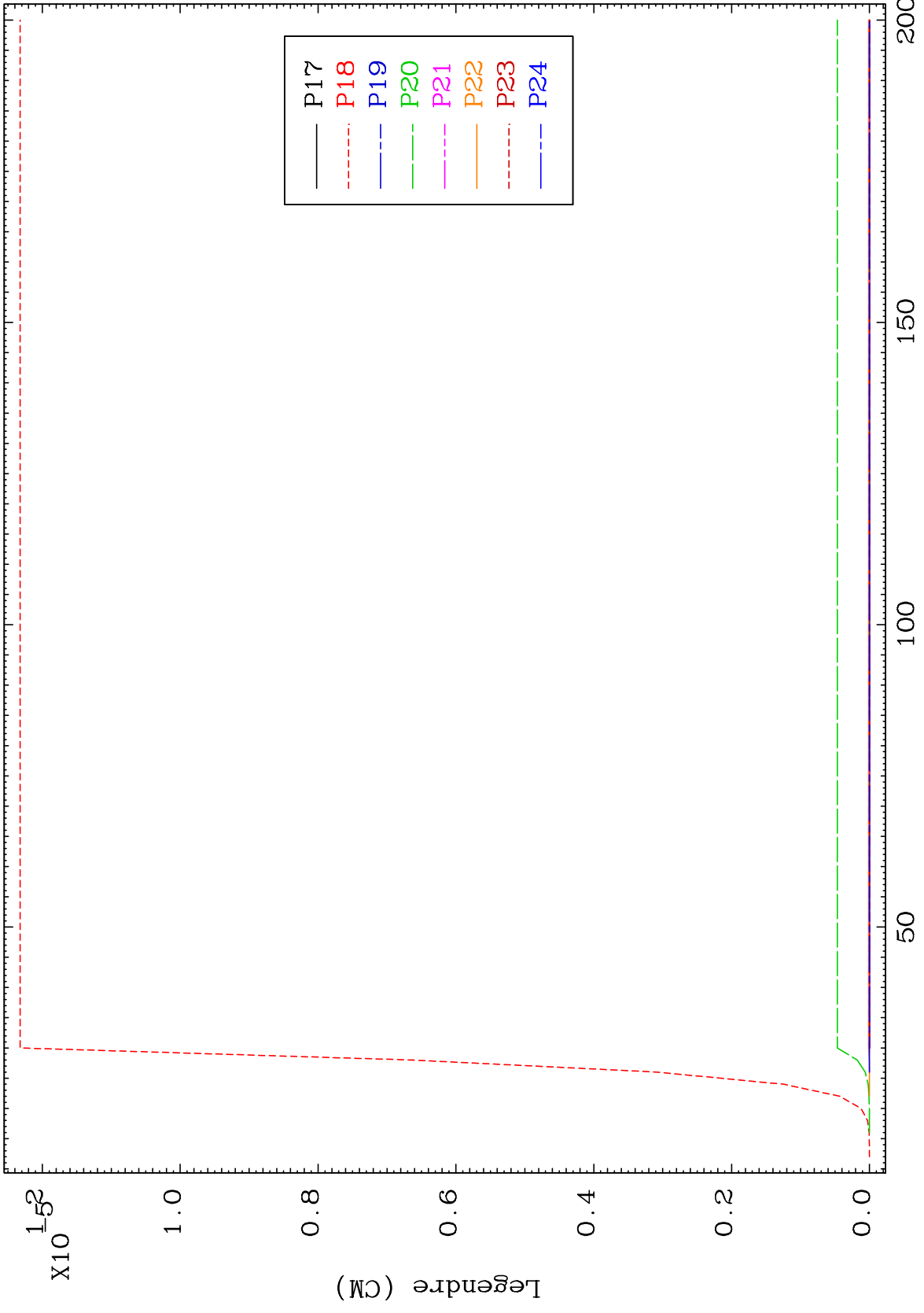


69

Incident Energy (MeV)

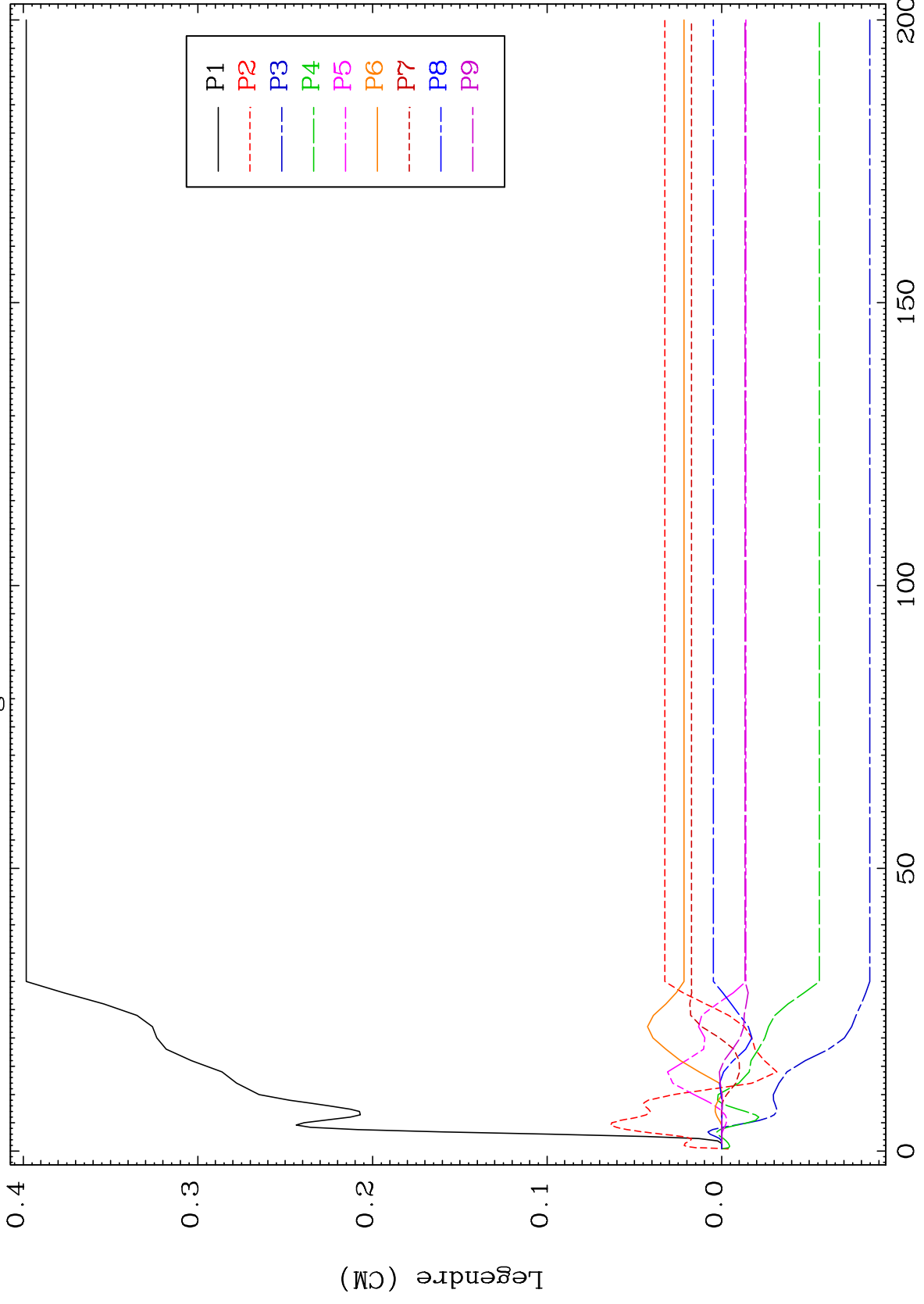
65-Tb-156

MAT 6516 MT= 65 (n,n') Level Legendre Coefficients 65-Tb-156



70 Incident Energy (MeV) 65-Tb-156

MAT 6516 MT= 66 (n,n') Level Legendre Coefficients 65-Tb-156

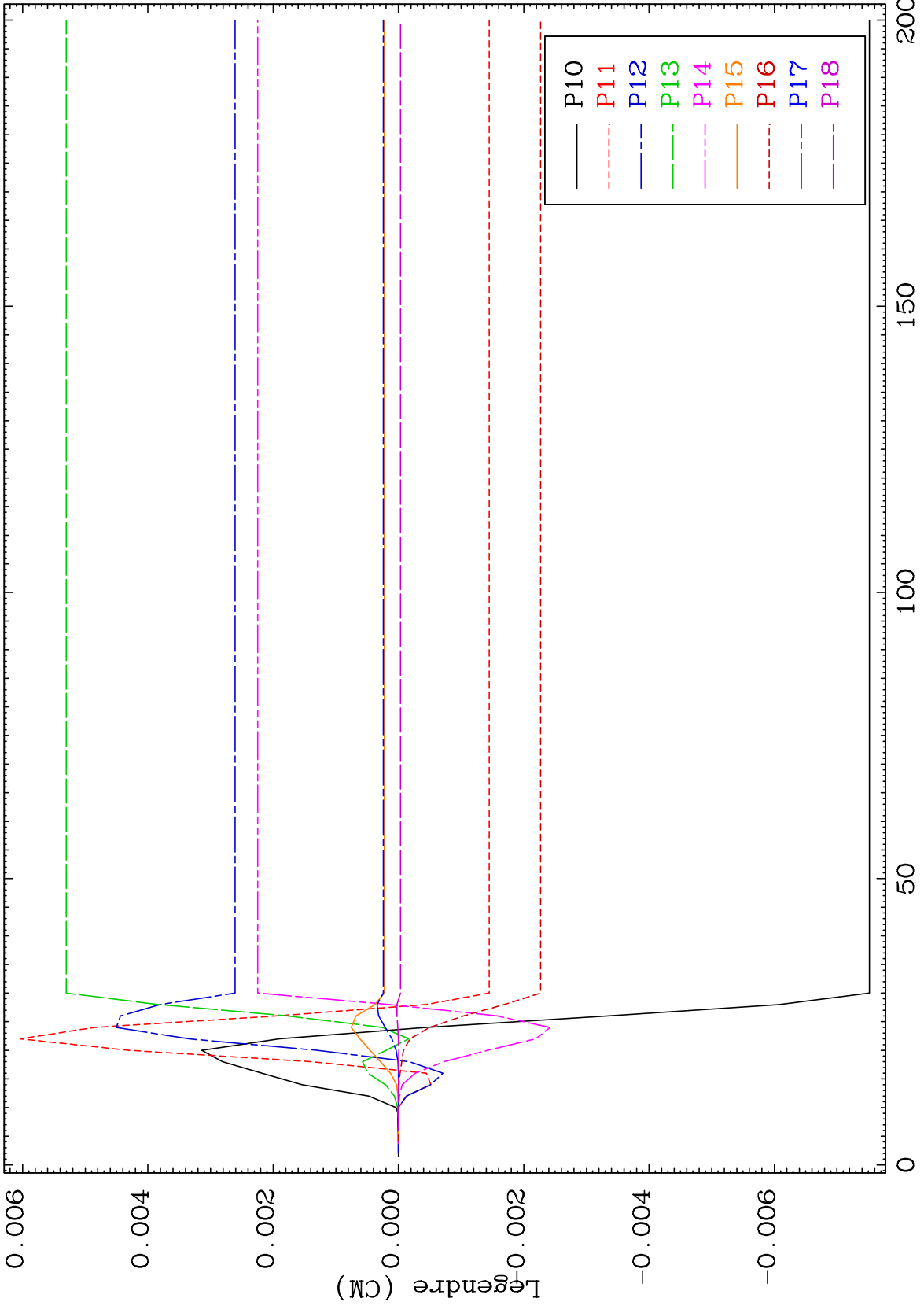


65-Tb-156

Incident Energy (MeV)



MAT 6516 MT= 66 (n,n') Level Legendre Coefficients 65-Tb-156

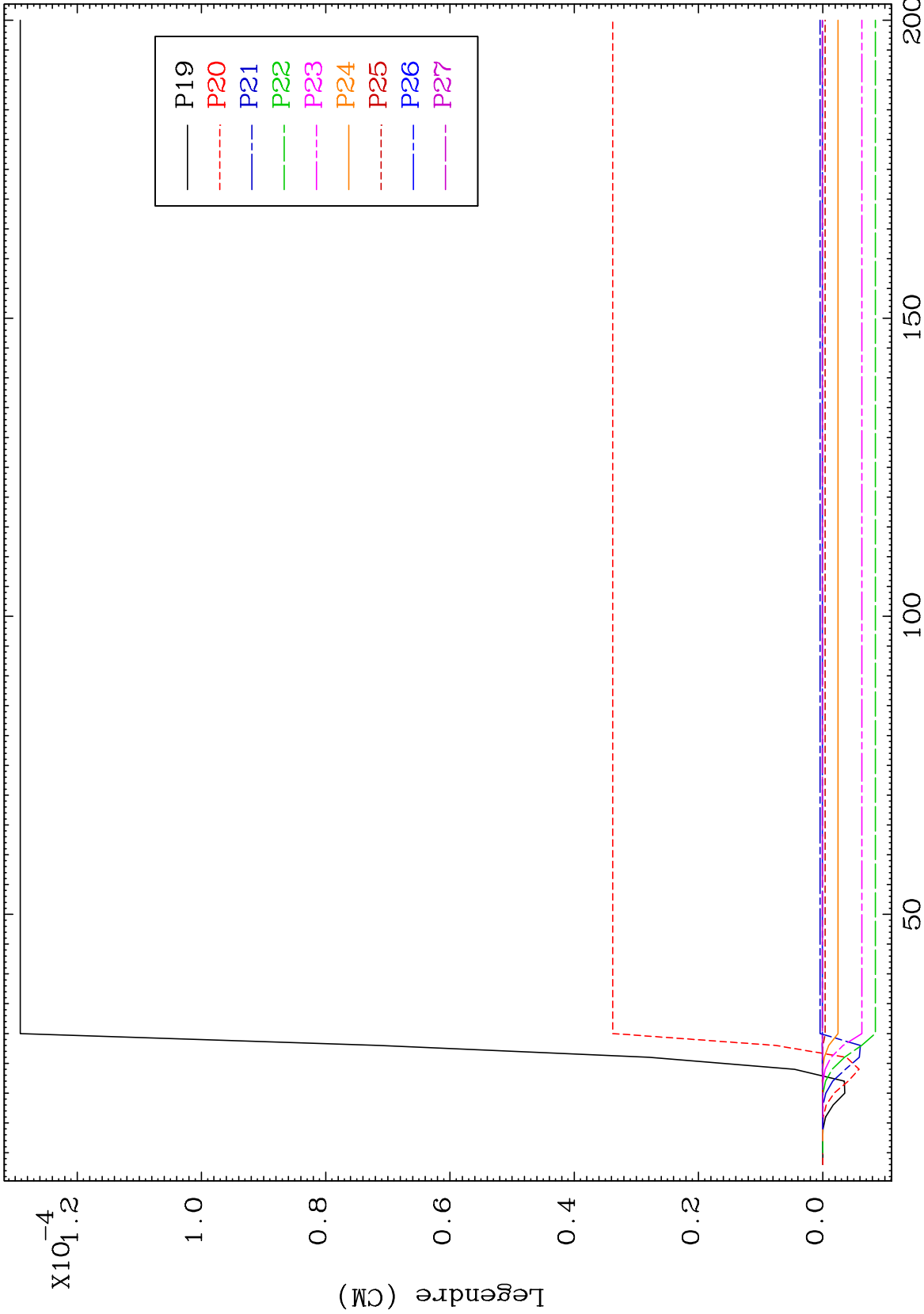


72 65-Tb-156

MAT 6516

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

65-Tb-156



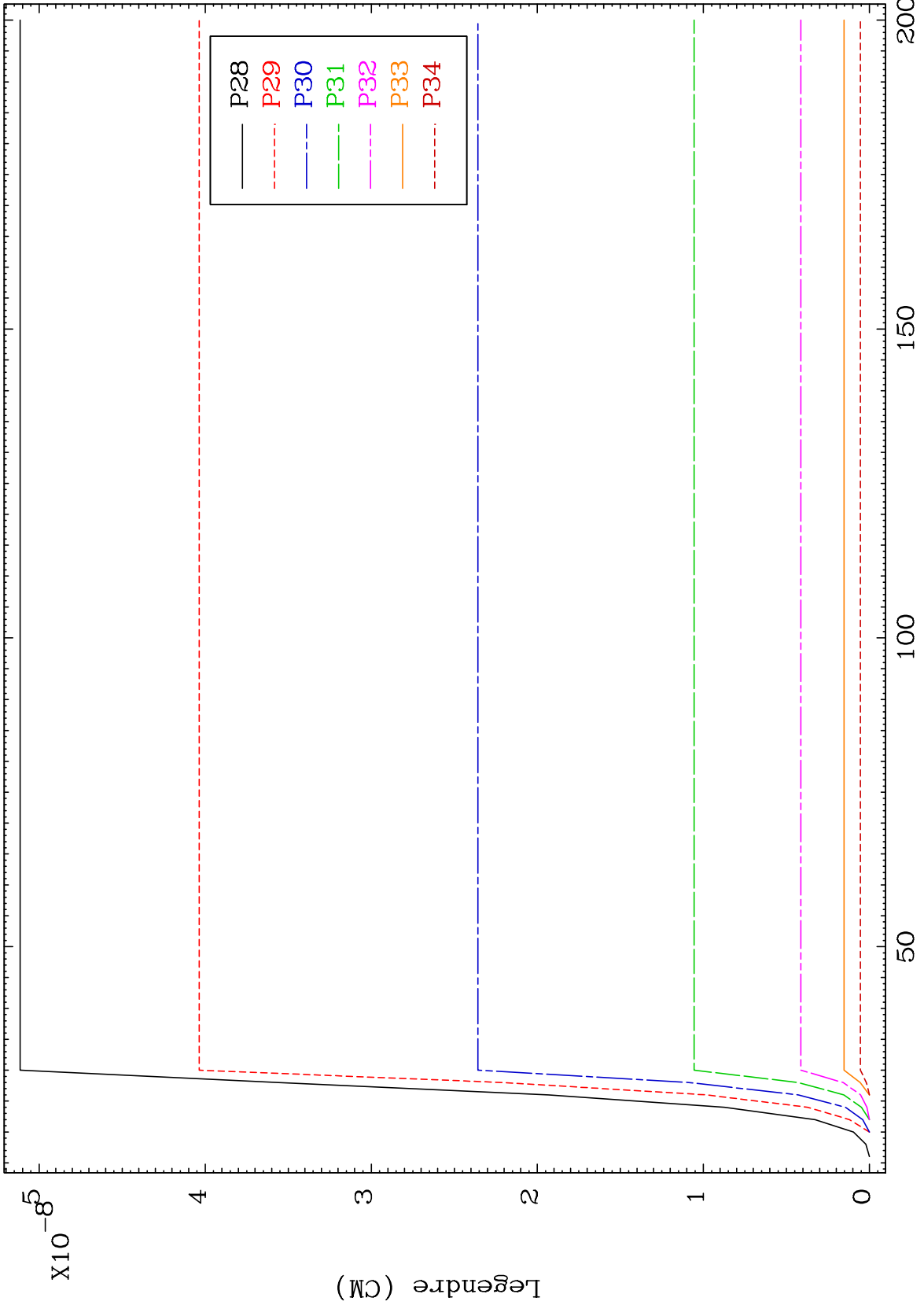
73

65-Tb-156

MAT 6516

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

65-Tb-156



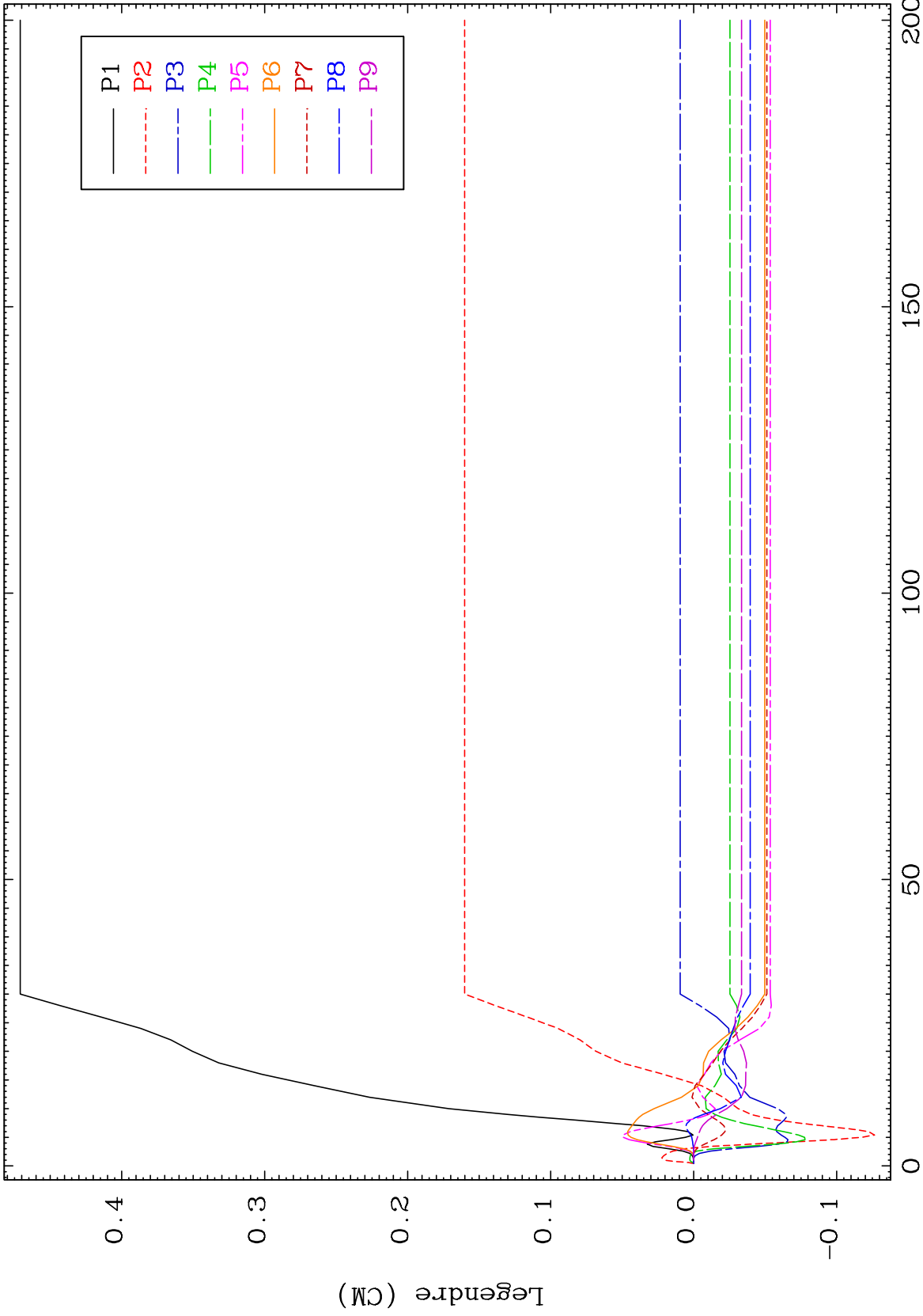
74

65-Tb-156

MAT 6516

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

65-Tb-156



75

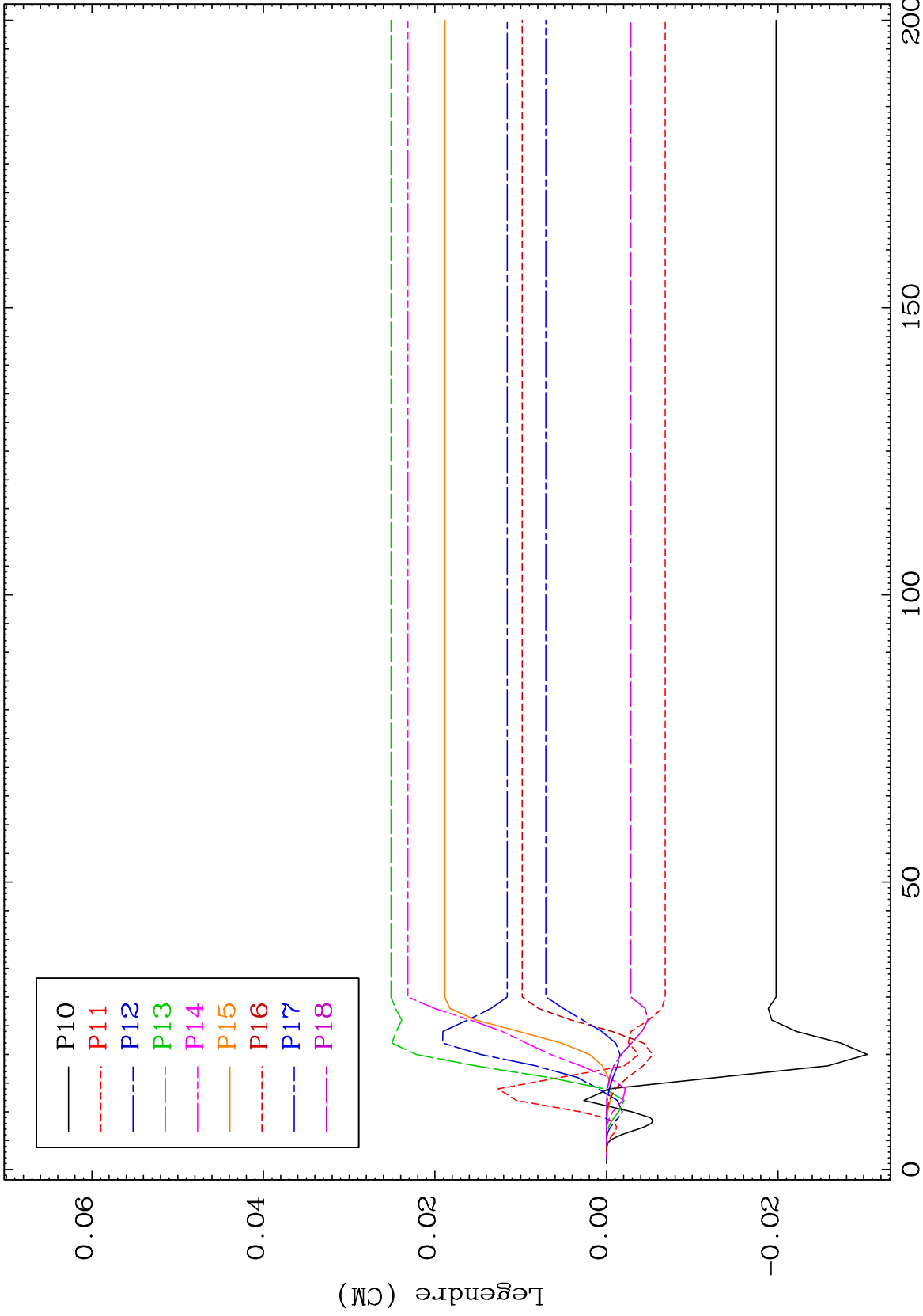
Incident Energy (MeV)

65-Tb-156

MAT 6516

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

65-Tb-156



76

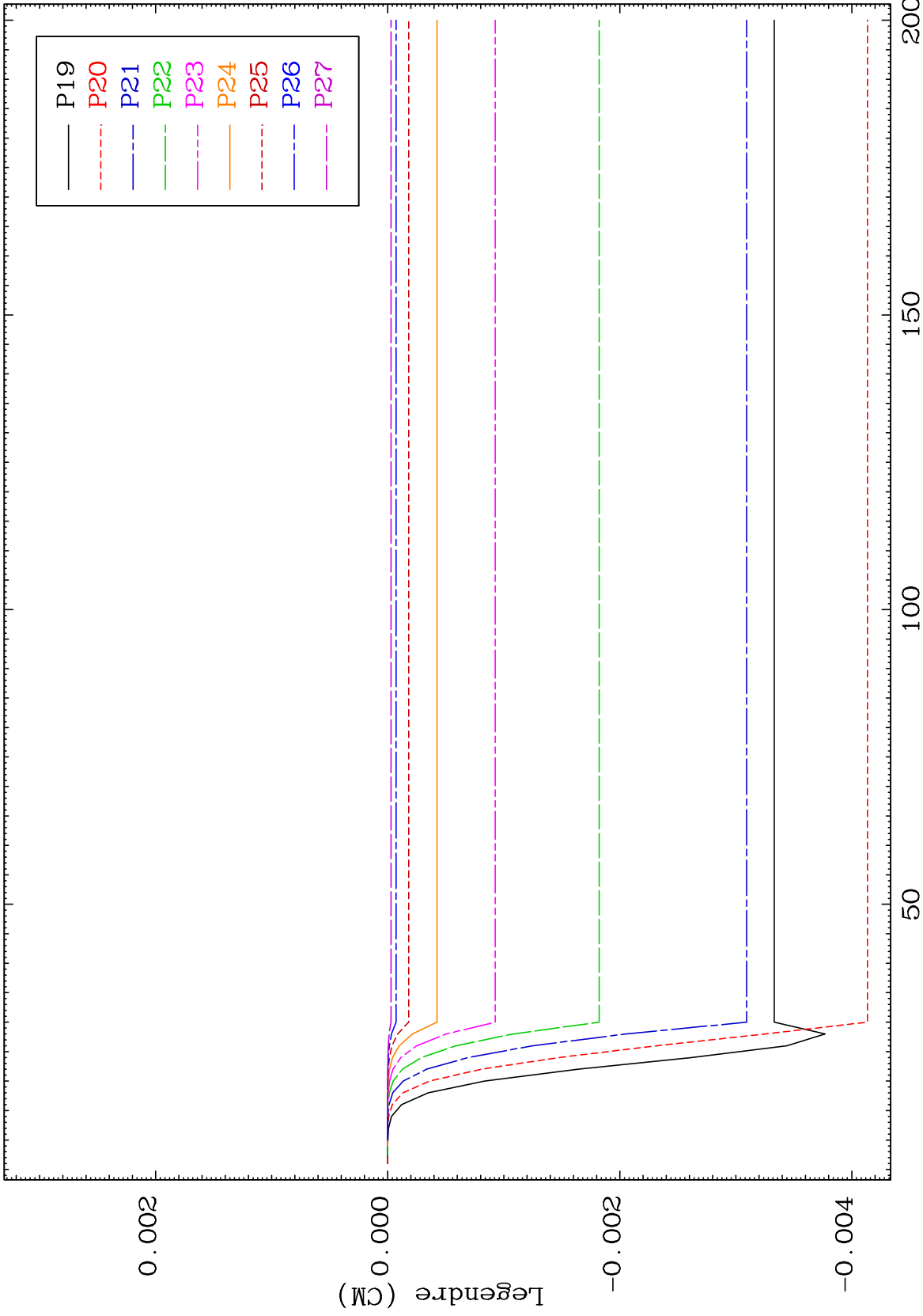
Incident Energy (MeV)

65-Tb-156

MAT 6516

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

65-Tb-156



77

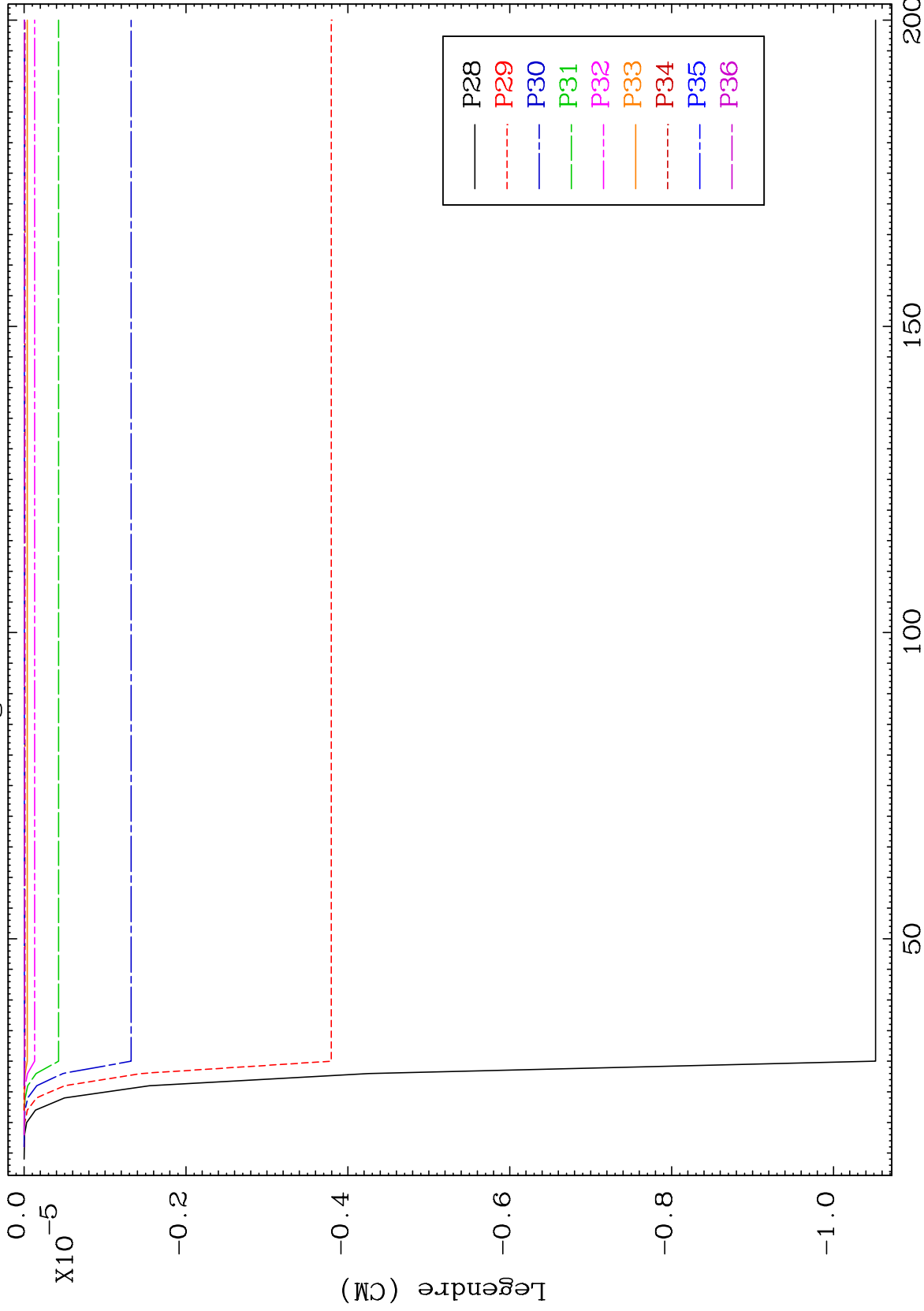
Incident Energy (MeV)

65-Tb-156

MAT 6516

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

65-Tb-156



65-Tb-156

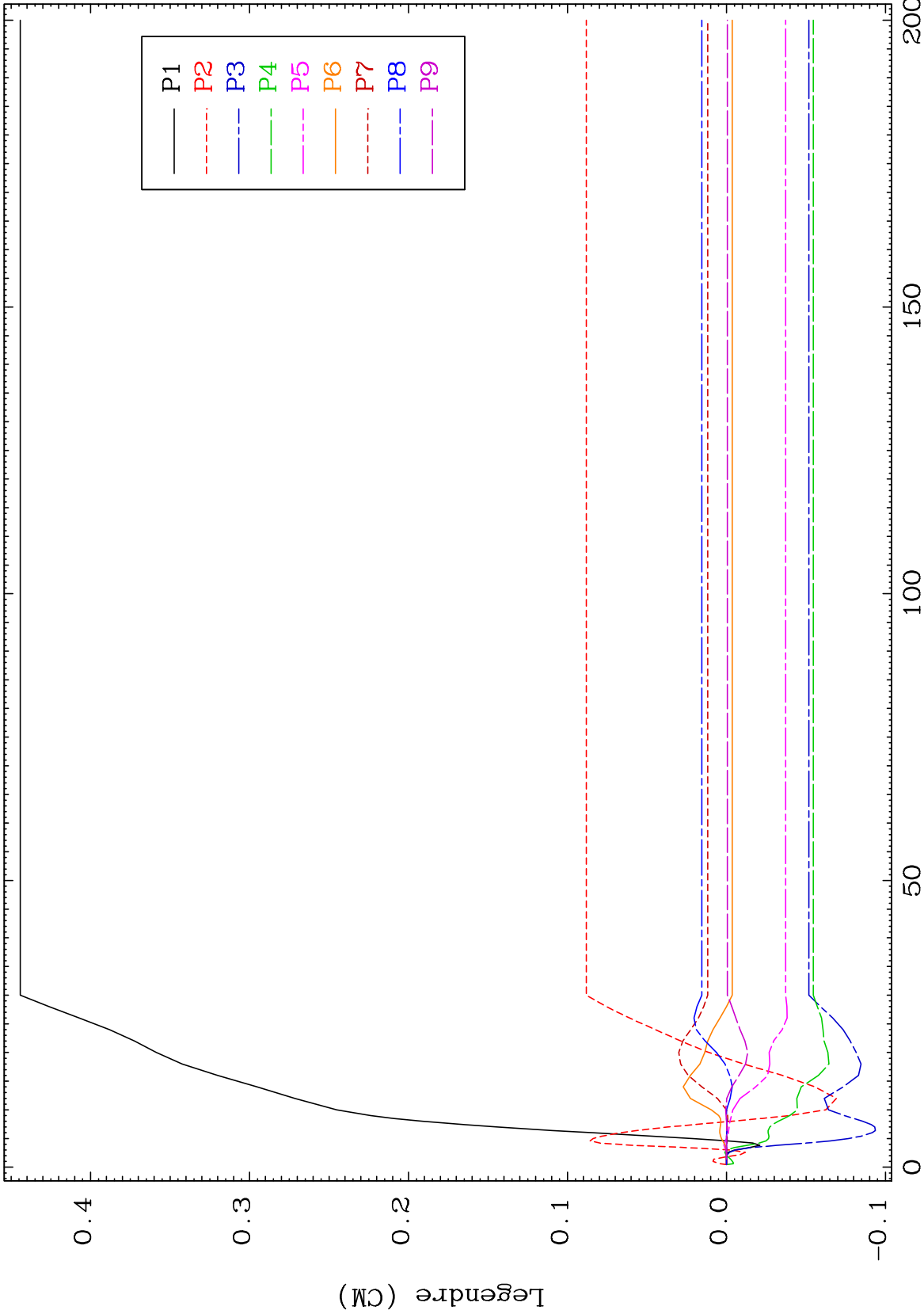
Incident Energy (MeV)

78

MAT 6516

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

65-Tb-156



79

Incident Energy (MeV)

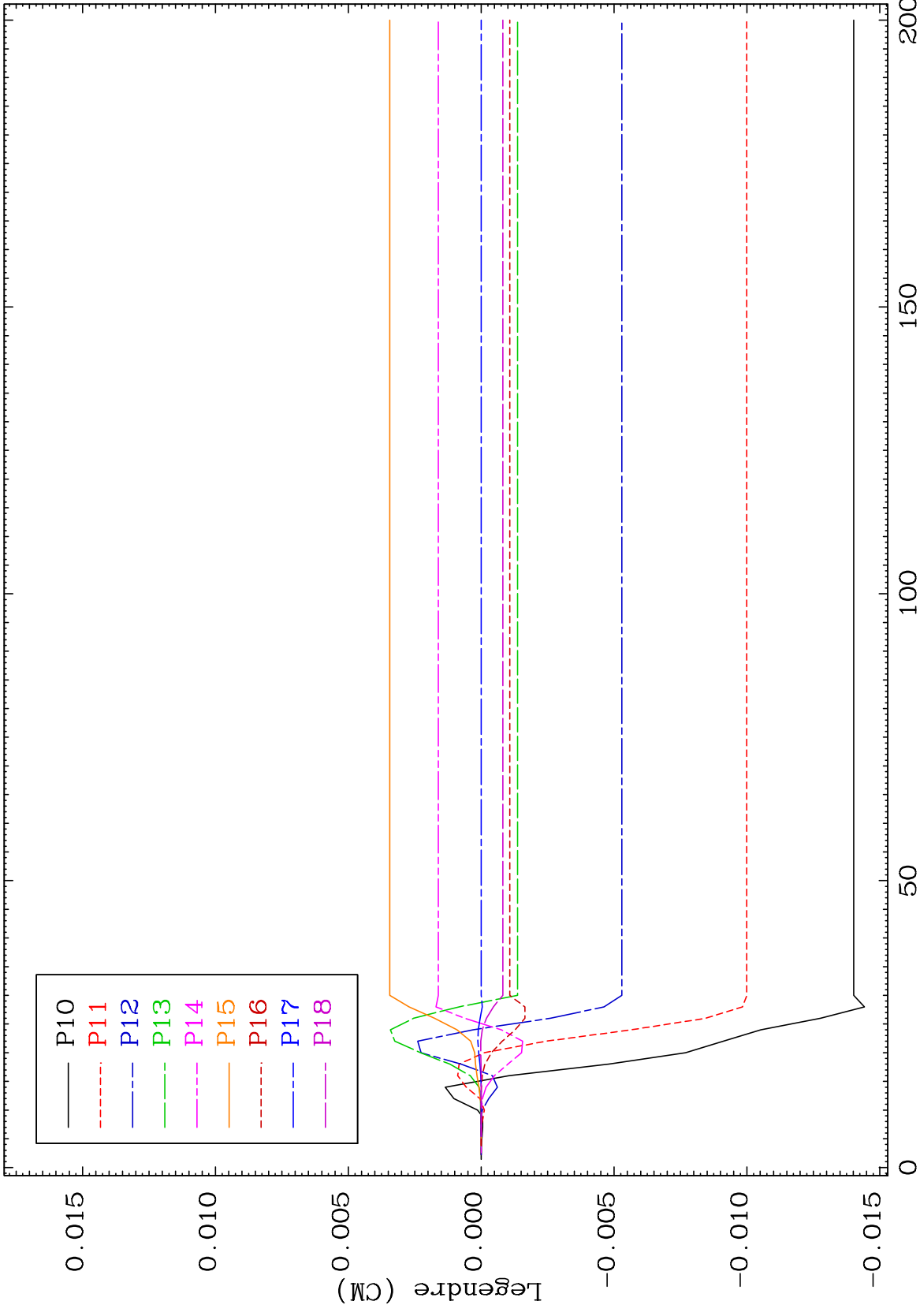
65-Tb-156



MAT 6516

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

65-Tb-156



80

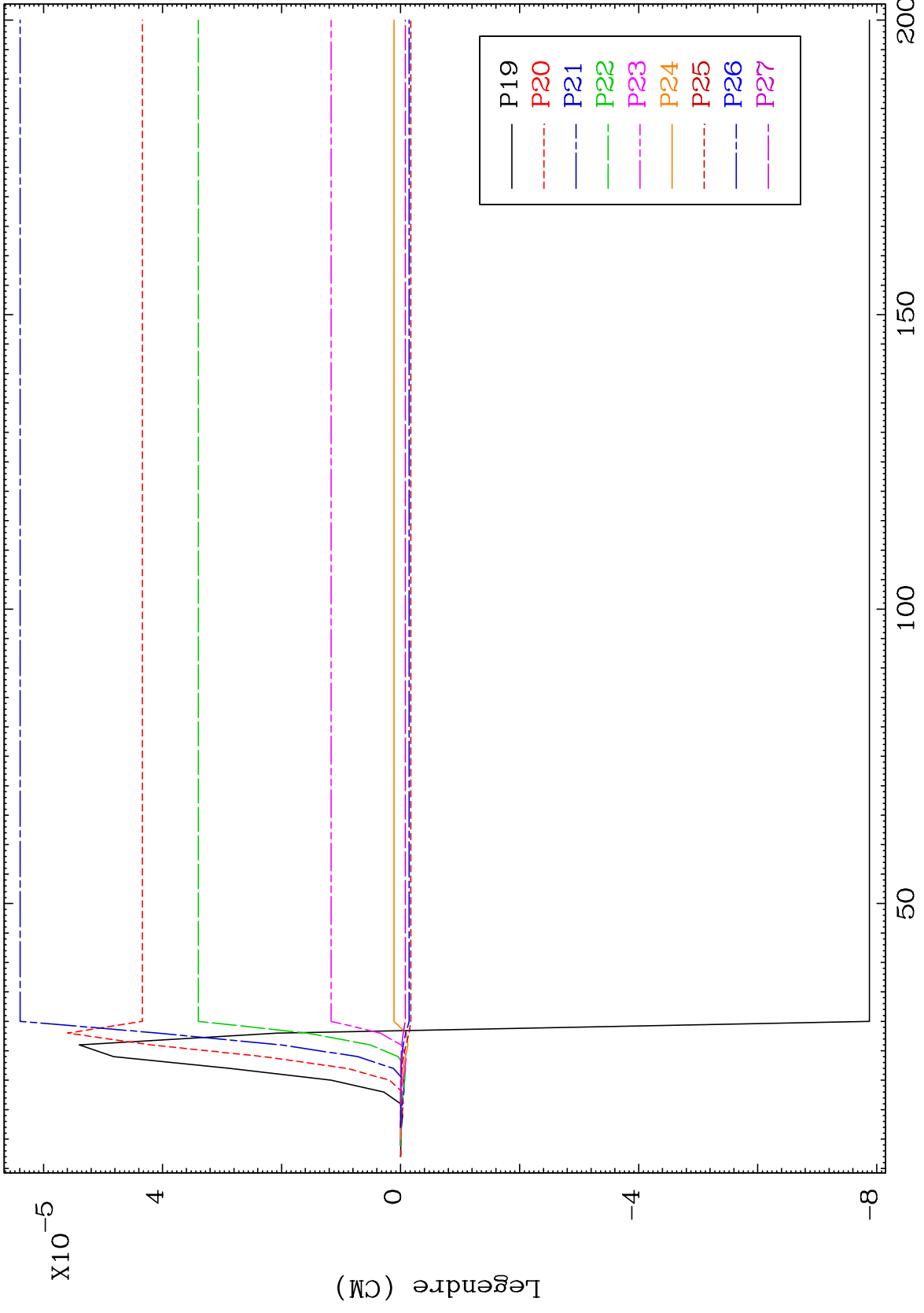
Incident Energy (MeV)

65-Tb-156

MAT 6516

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

65-Tb-156



81

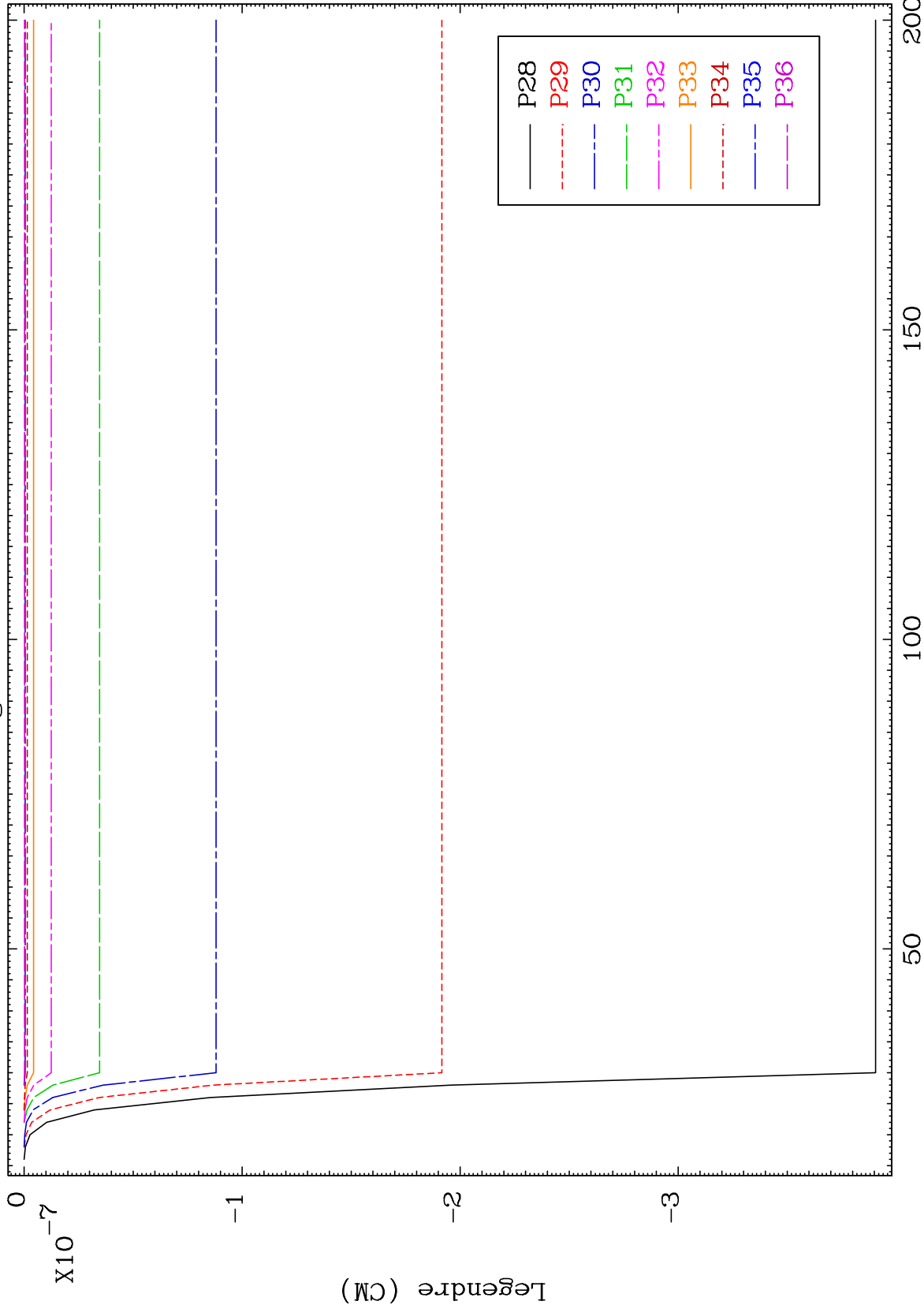
Incident Energy (MeV)

65-Tb-156

MAT 6516

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

65-Tb-156

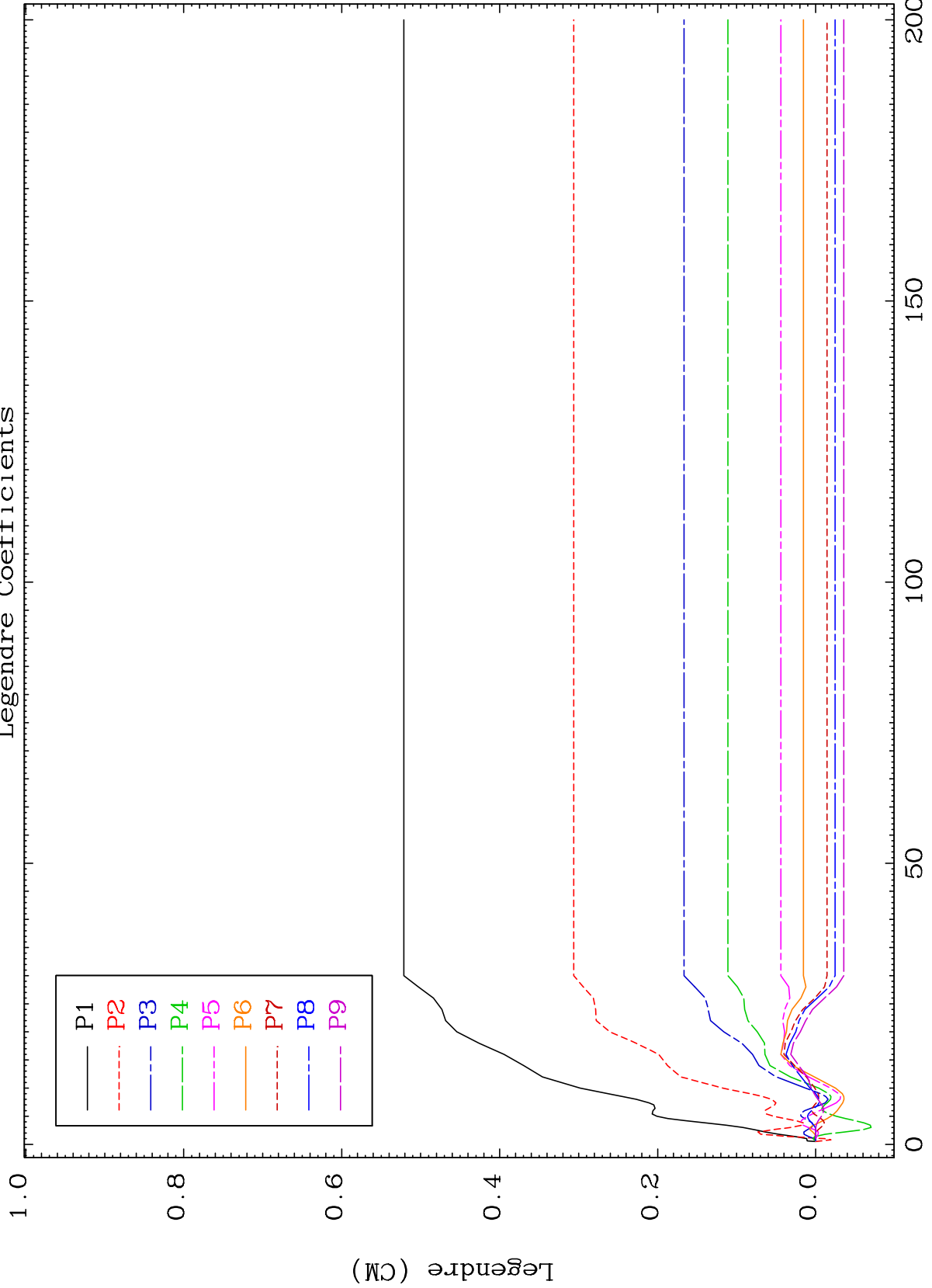


82

Incident Energy (MeV)

65-Tb-156

MAT 6516 MT= 69 (n,n') Level Legendre Coefficients 65-Tb-156



65-Tb-156

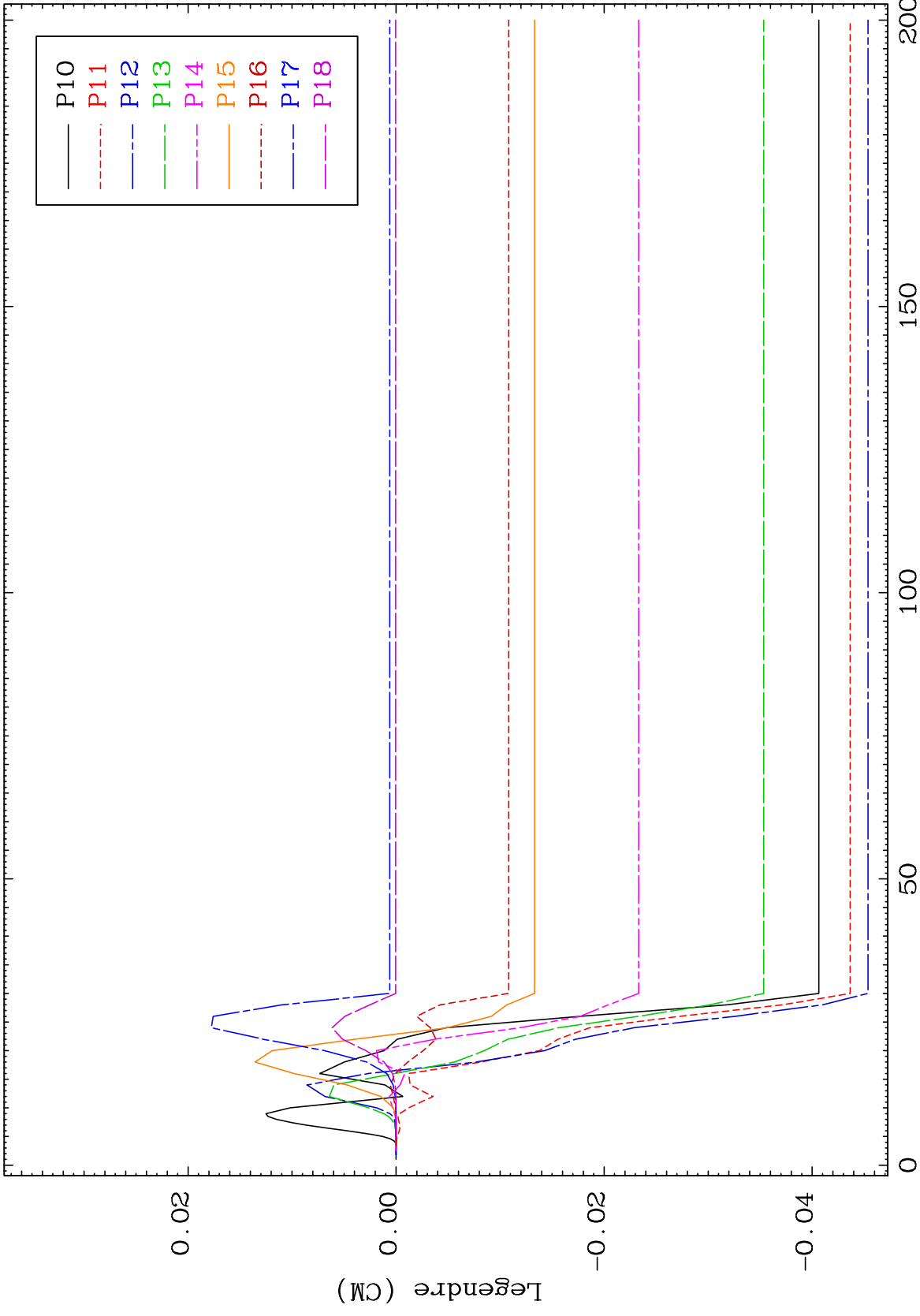
Incident Energy (MeV)

83

MAT 6516

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

65-Tb-156



84

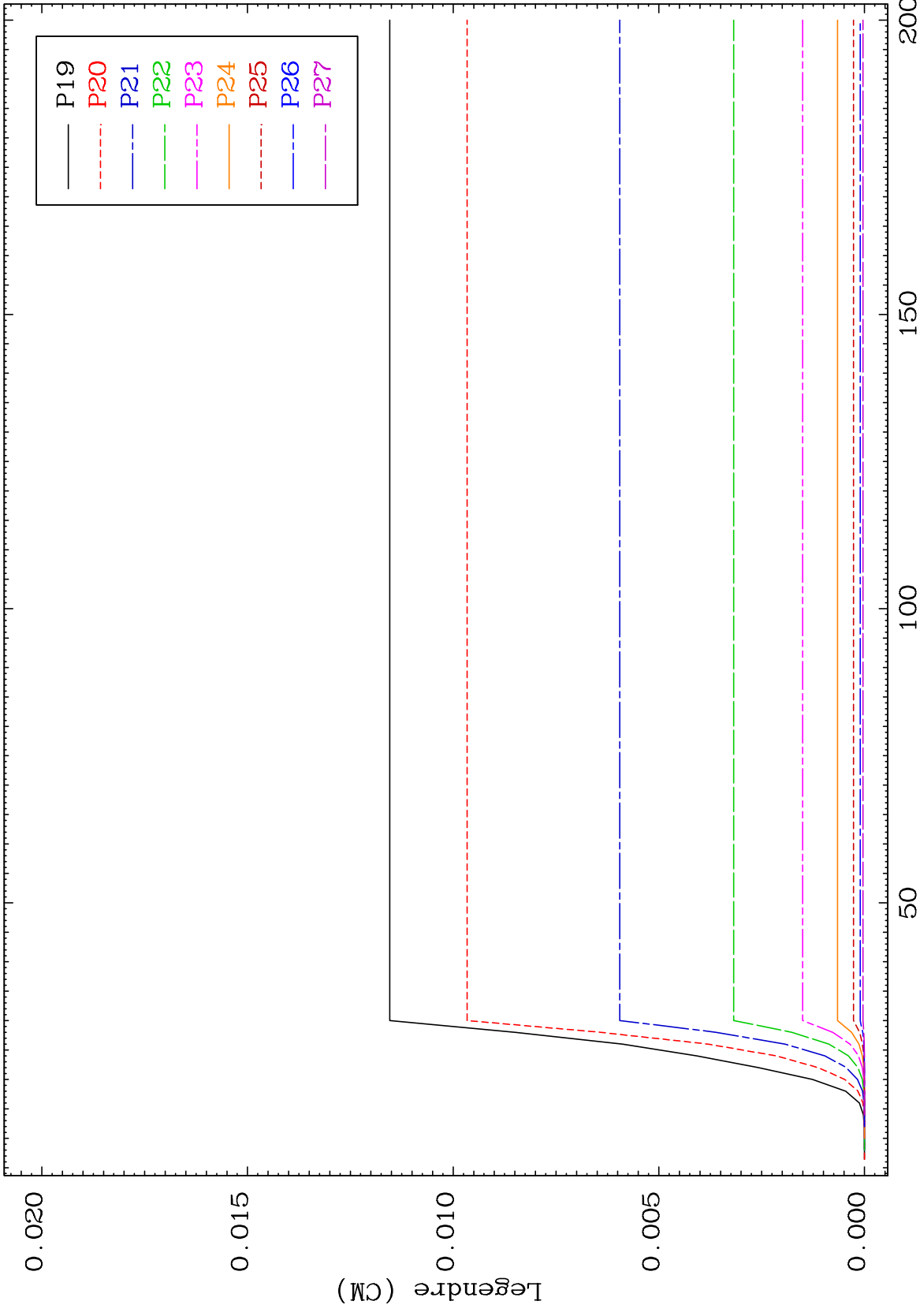
Incident Energy (MeV)

65-Tb-156

MAT 6516

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

65-Tb-156



85

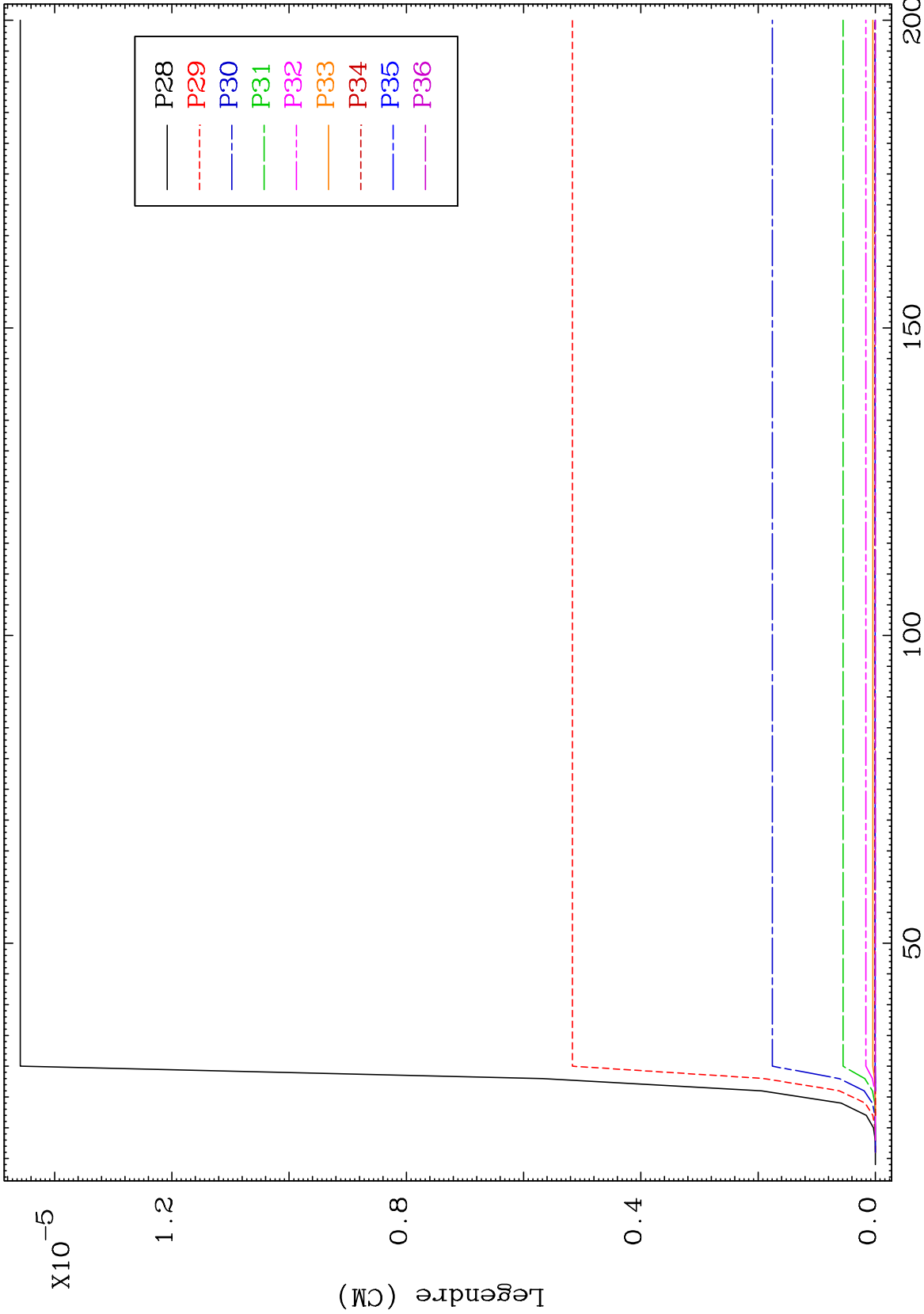
Incident Energy (MeV)

65-Tb-156

MAT 6516

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

65-Tb-156



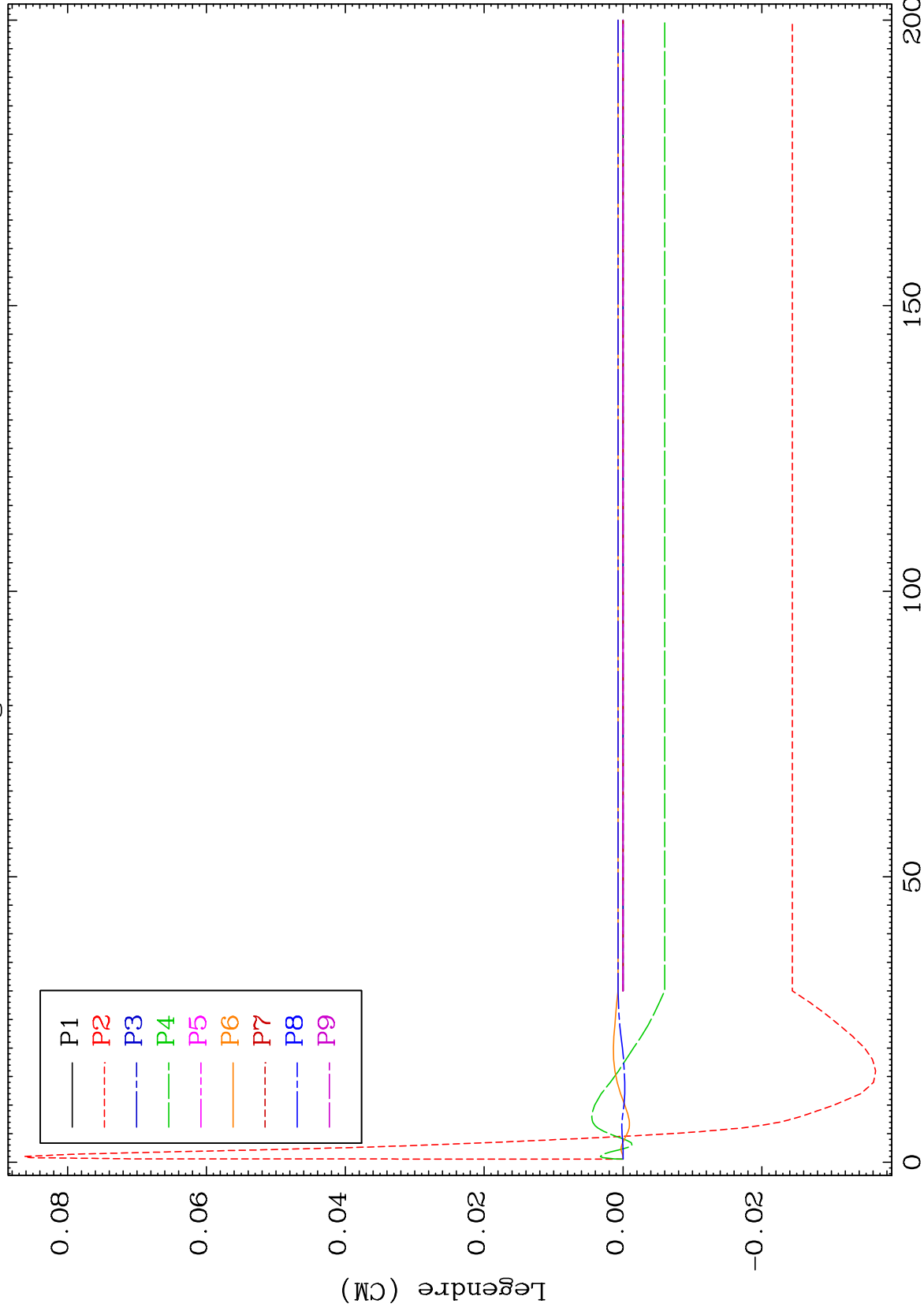
86

65-Tb-156

MAT 6516

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

65-Tb-156



87

Incident Energy (MeV)

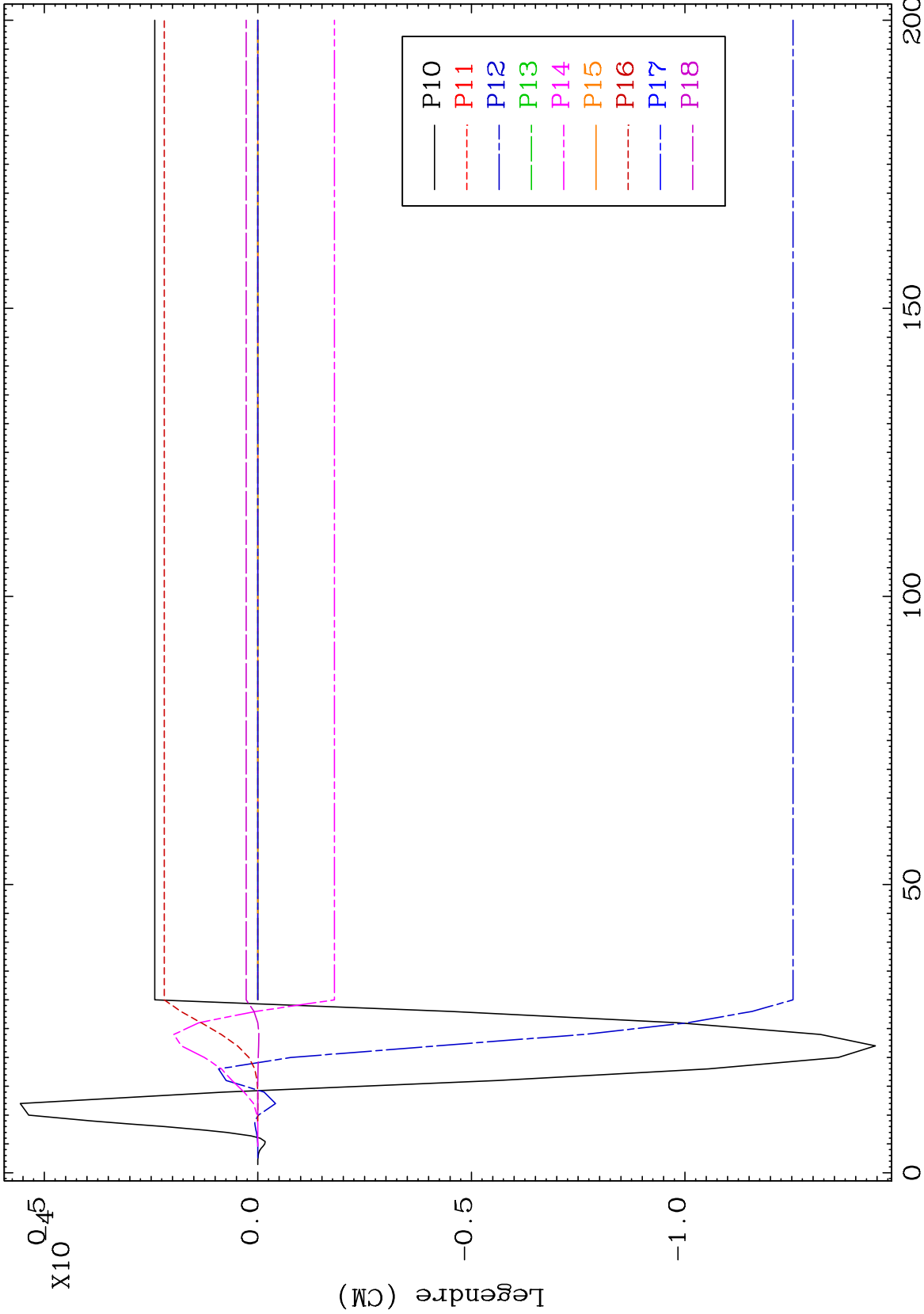
65-Tb-156



MAT 6516

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

65-Tb-156

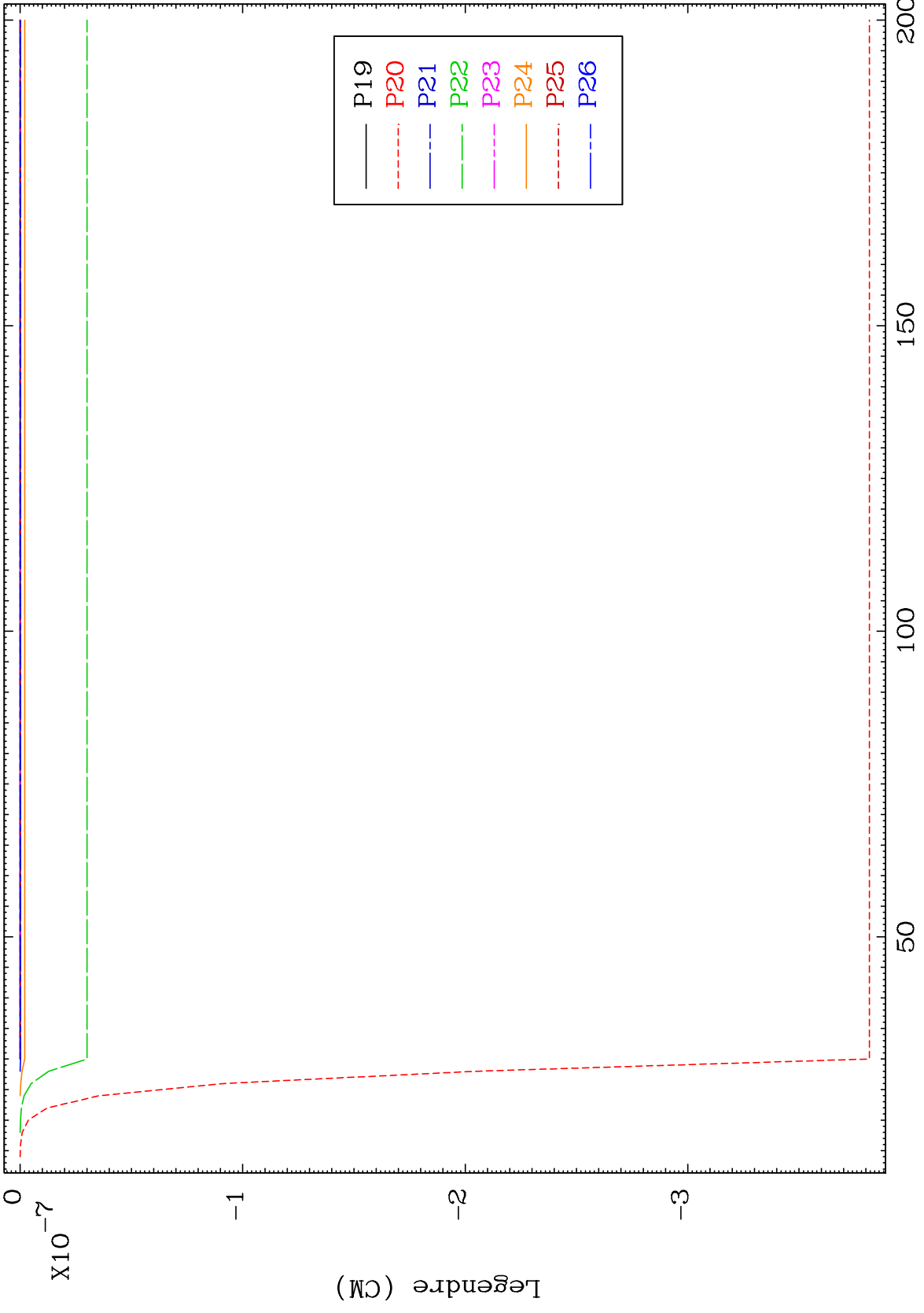


88

Incident Energy (MeV)

65-Tb-156

MAT 6516 MT= 70 (n,n') Level Legendre Coefficients 65-Tb-156

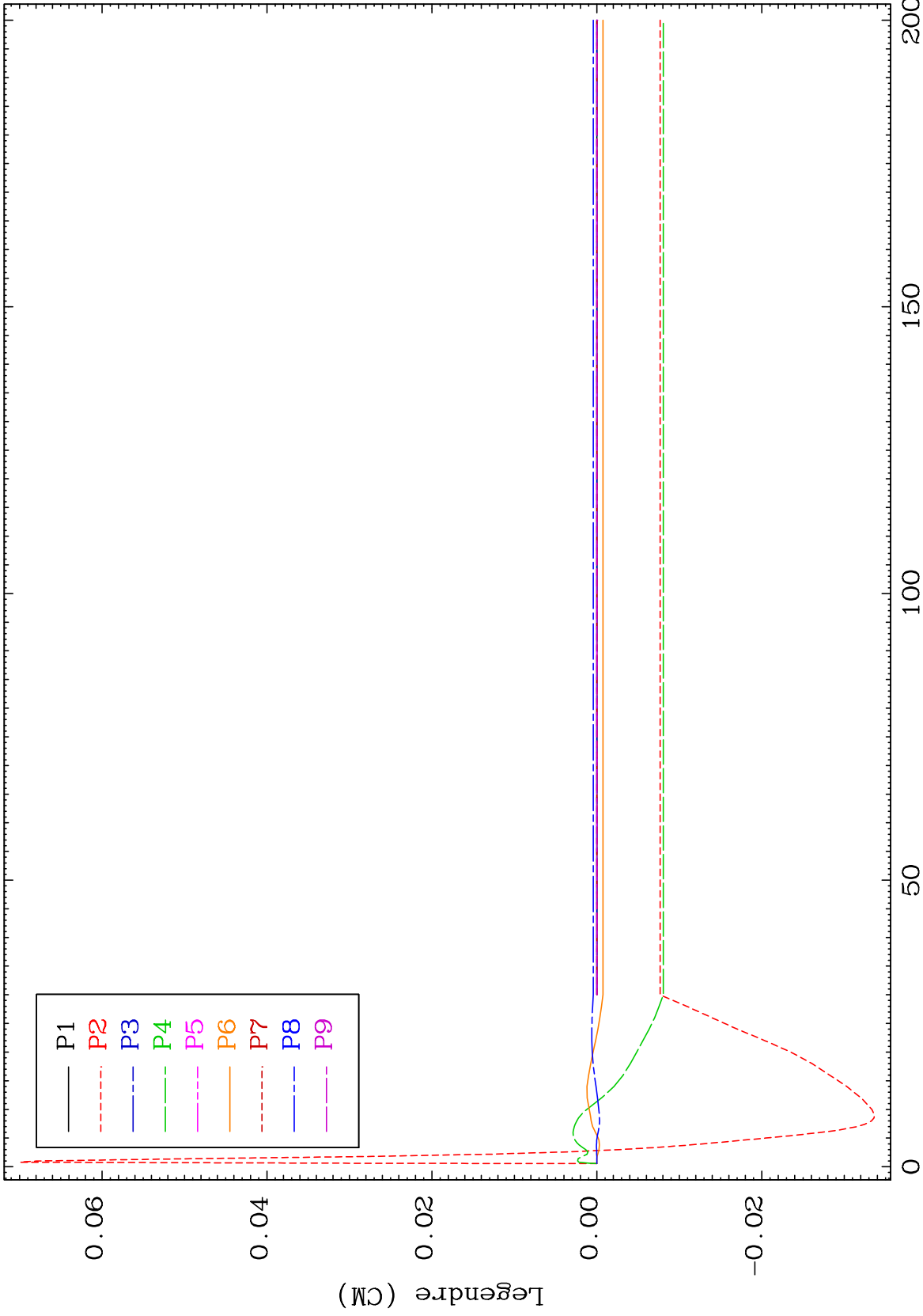


89 65-Tb-156

MAT 6516

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

65-Tb-156



90

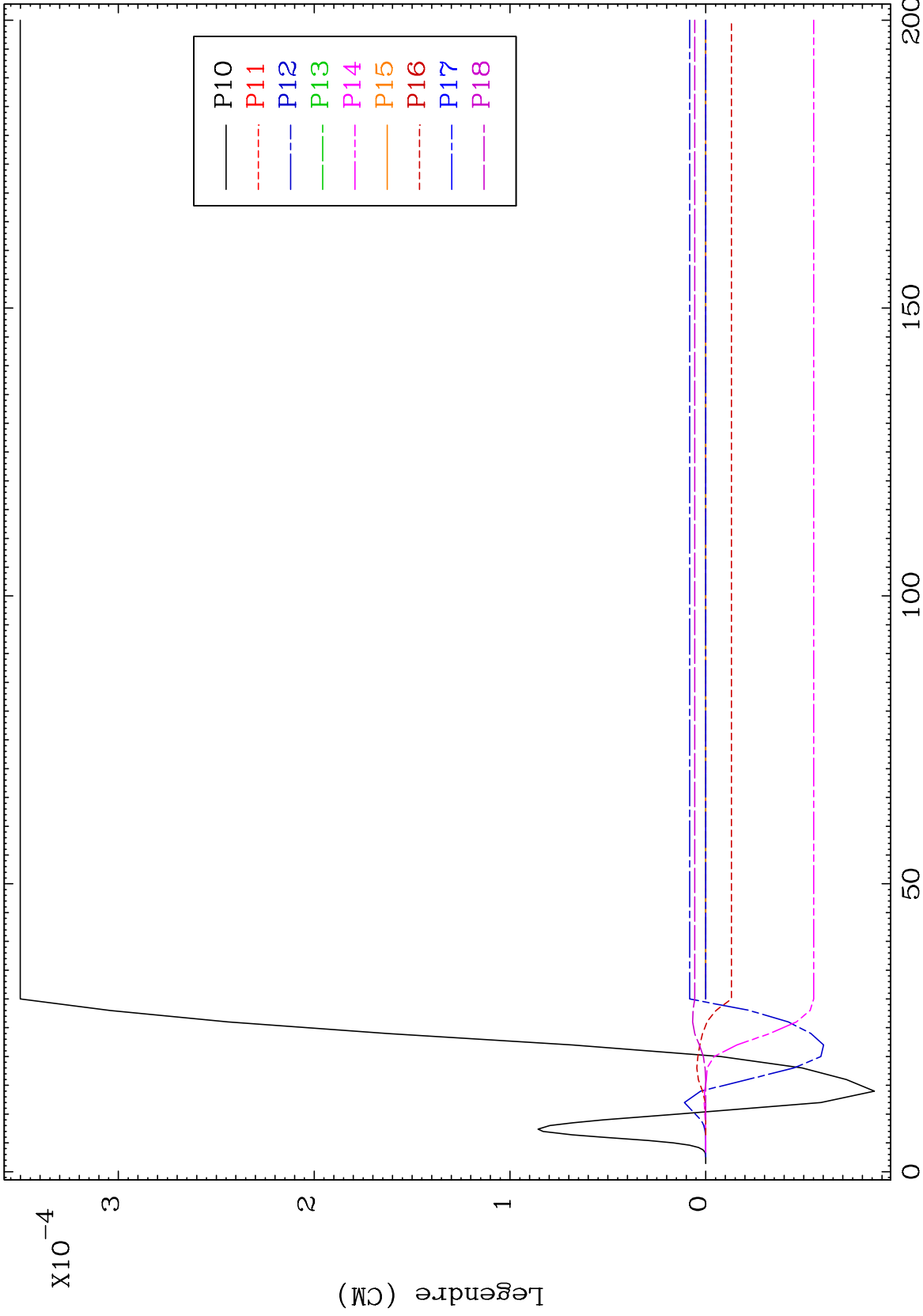
Incident Energy (MeV)

65-Tb-156

MAT 6516

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

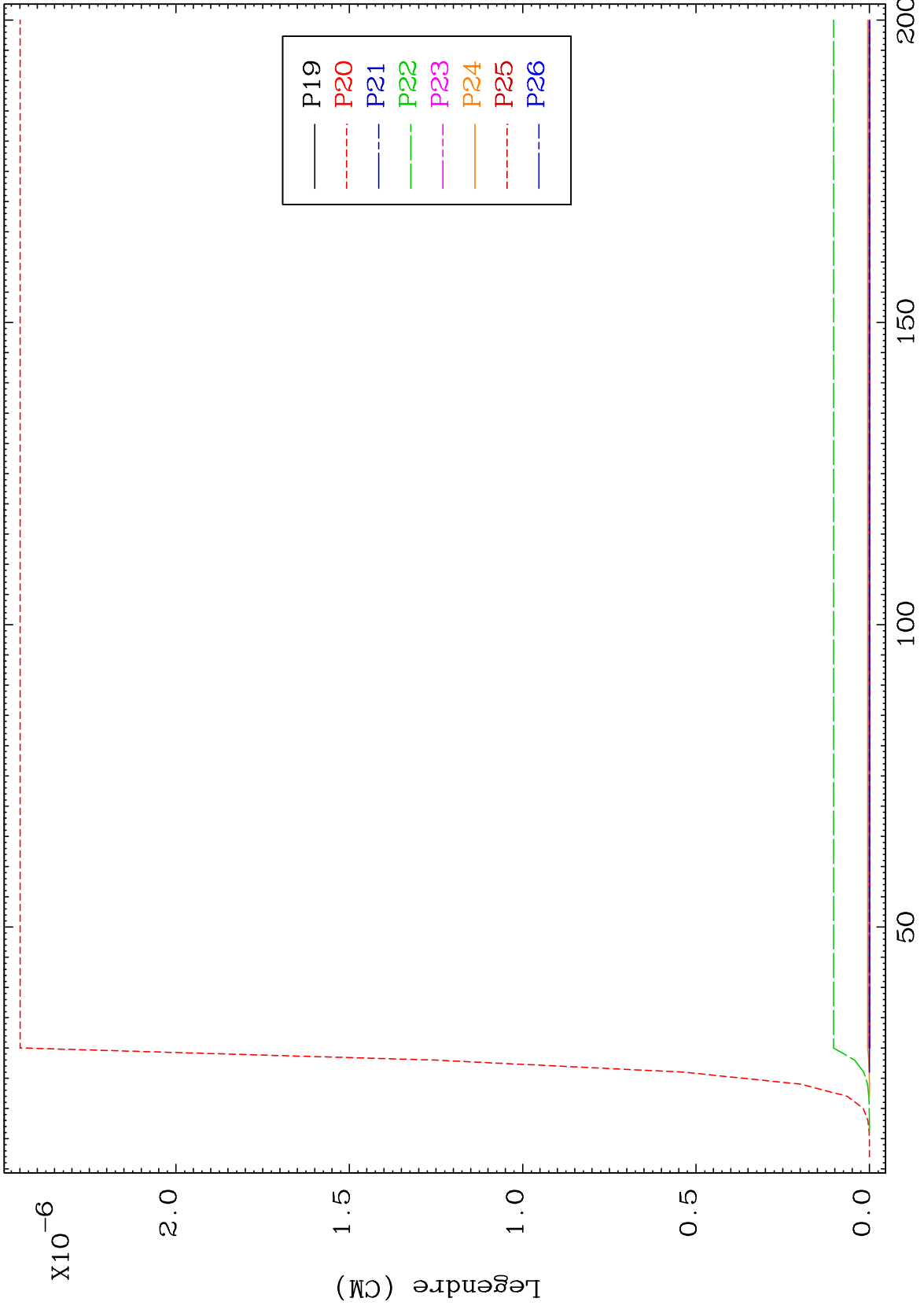
65-Tb-156



91

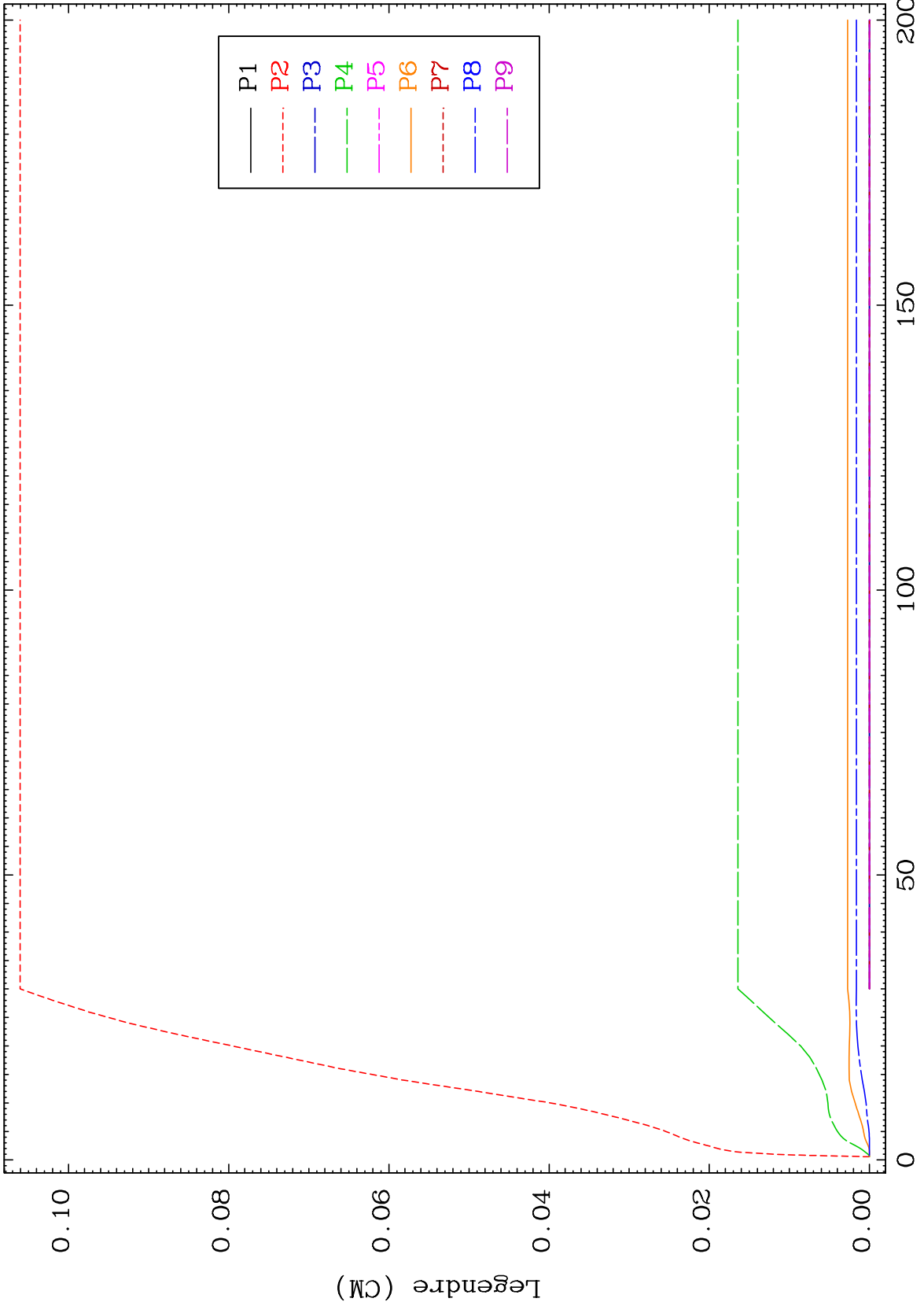
65-Tb-156

MAT 6516 MT= 71 (n,n') Level Legendre Coefficients 65-Tb-156



92 65-Tb-156

MAT 6516 MT= 72 (n,n') Level Legendre Coefficients 65-Tb-156

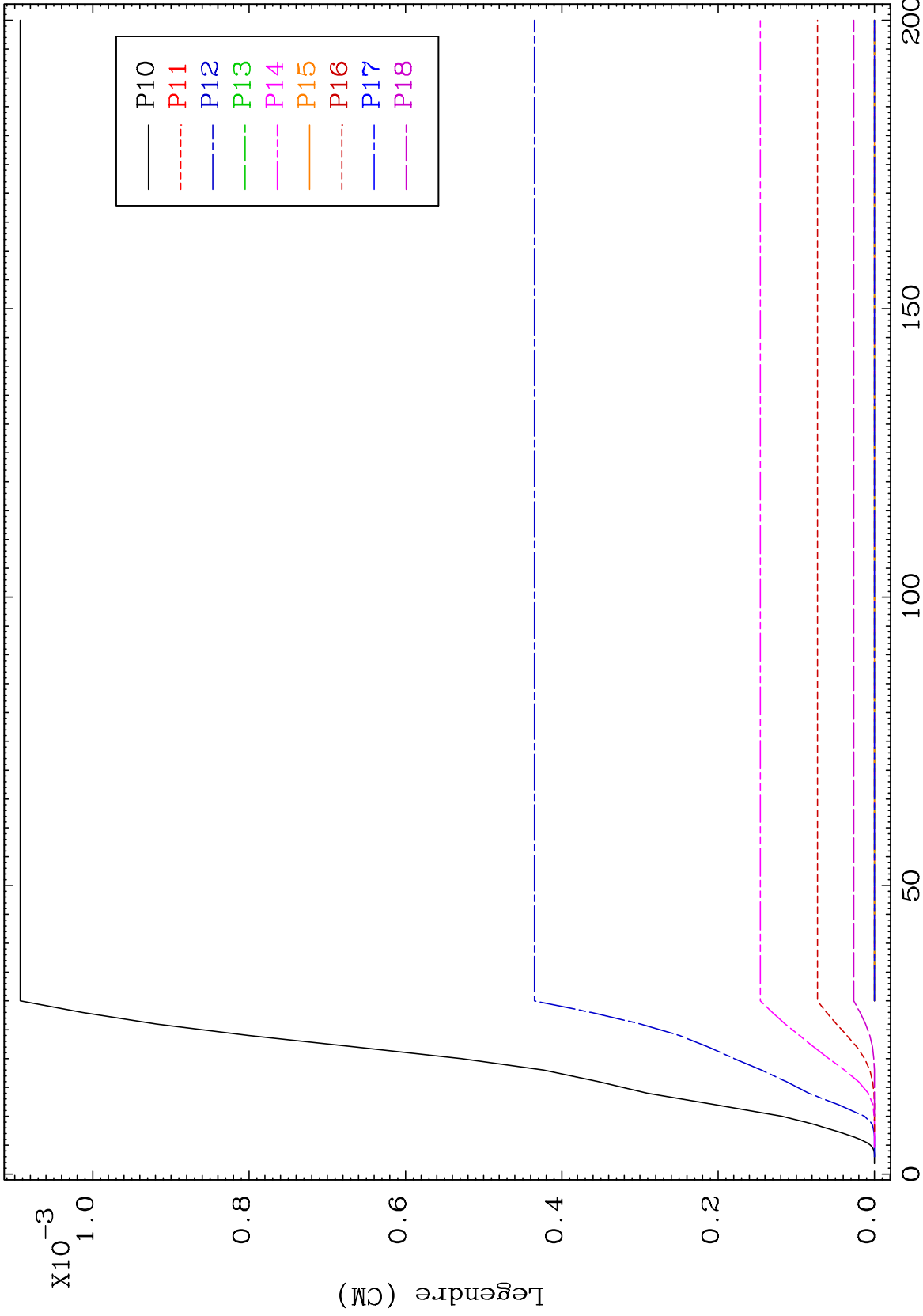


93 65-Tb-156

MAT 6516

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

65-Tb-156

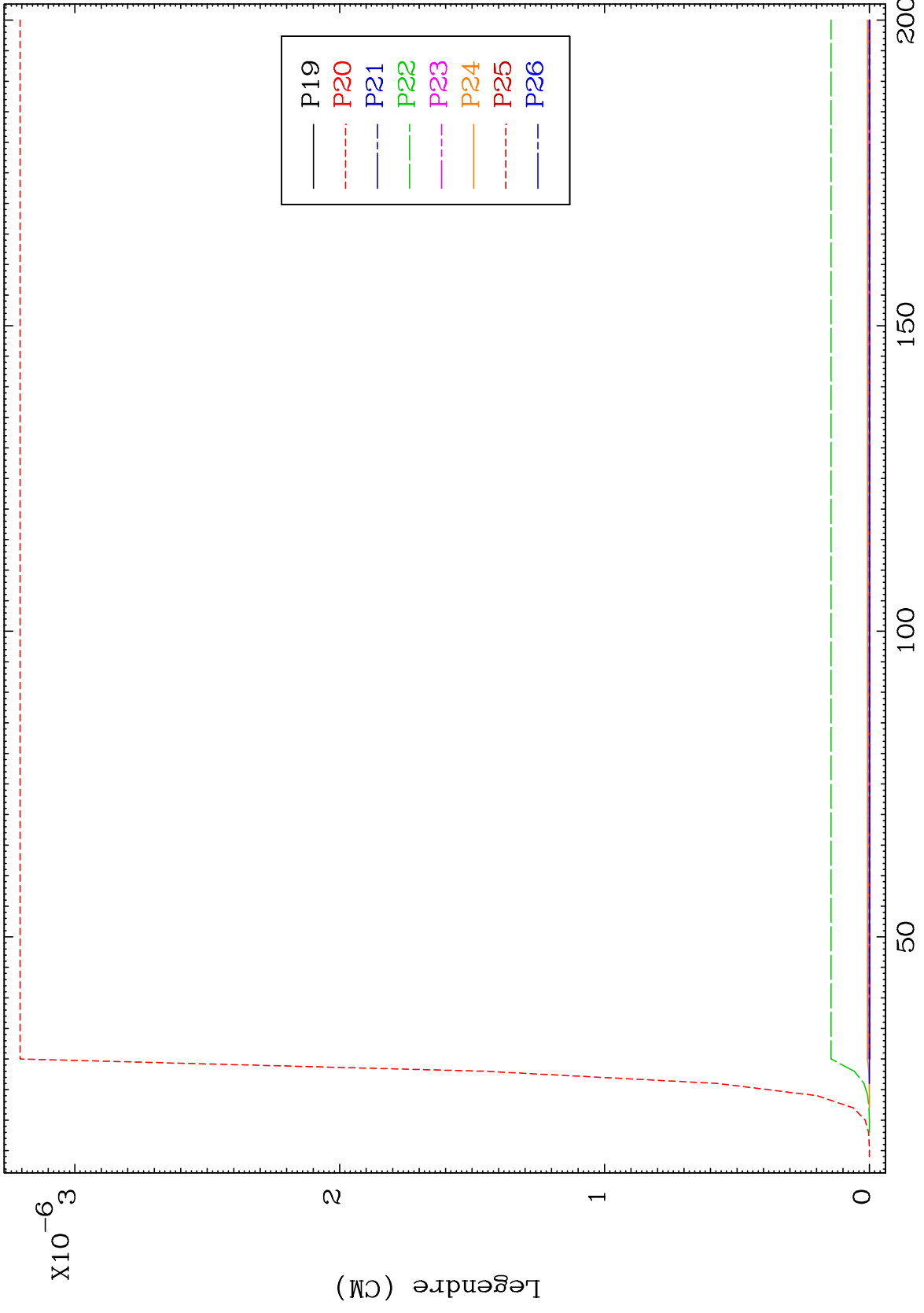


94

Incident Energy (MeV)

65-Tb-156

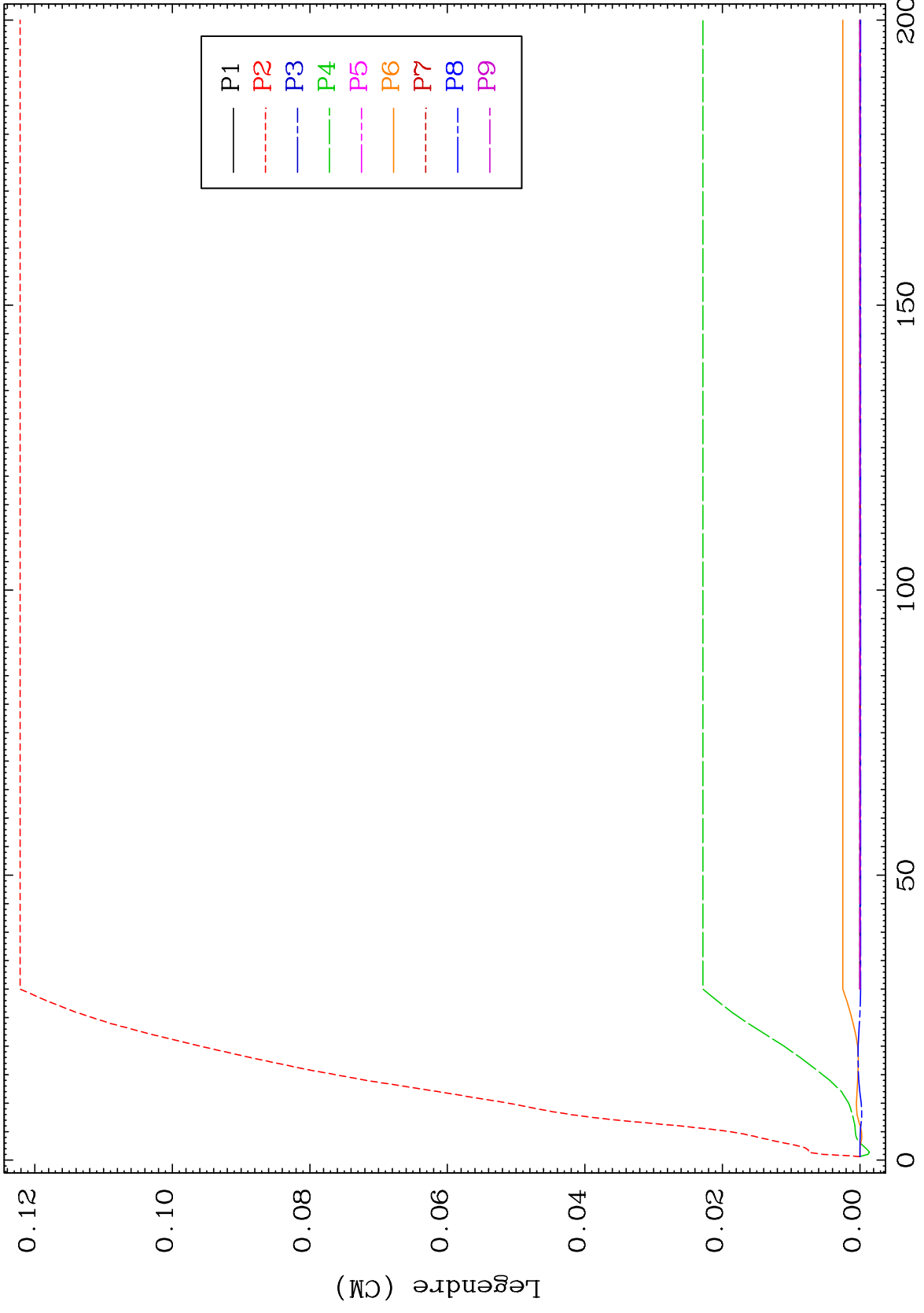
MAT 6516 MT= 72 (n,n') Level Legendre Coefficients 65-Tb-156



95 50 100 150 200 Incident Energy (MeV) 65-Tb-156



MAT 6516 MT= 73 (n,n') Level Legendre Coefficients 65-Tb-156

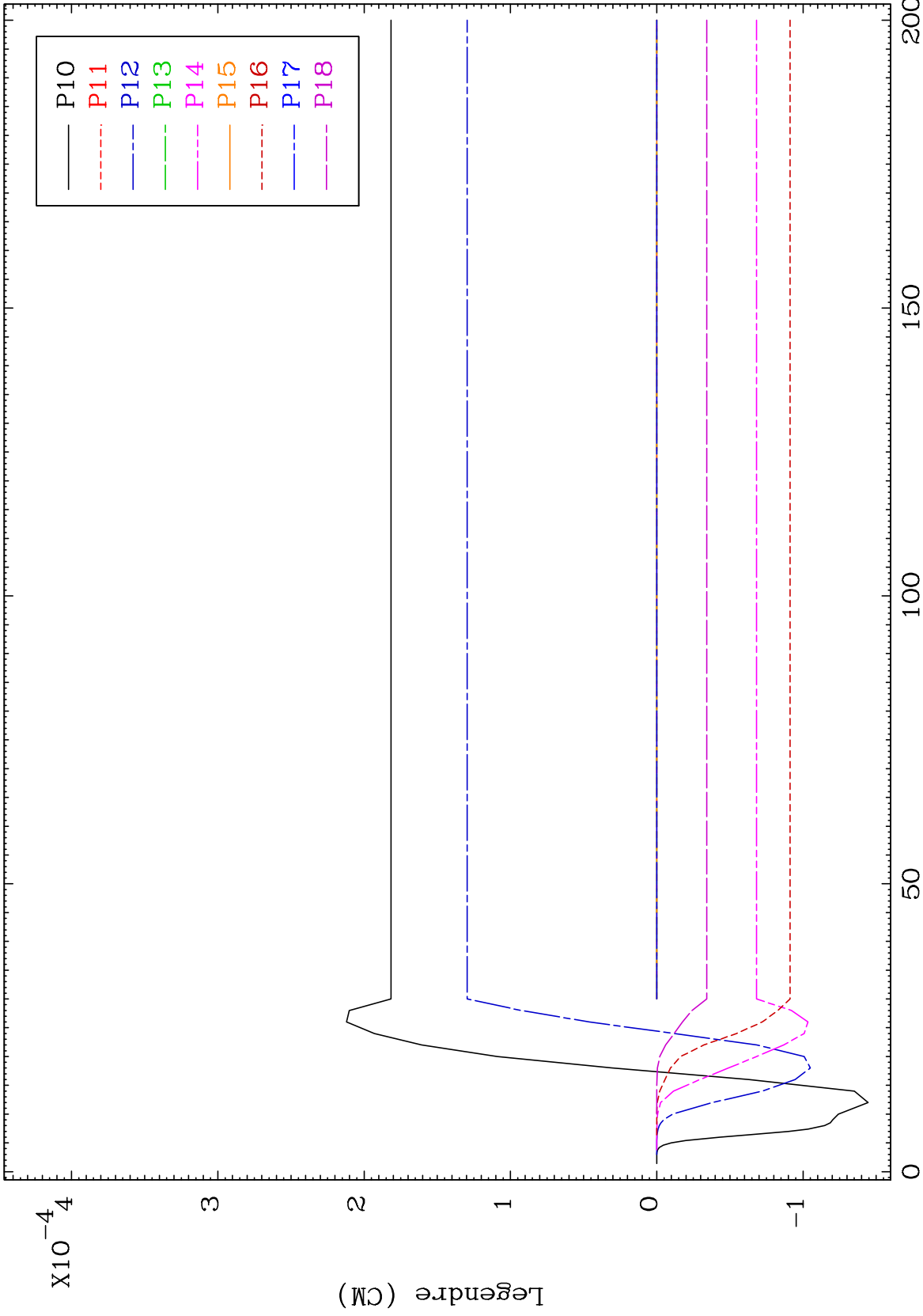


96 Incident Energy (MeV) 65-Tb-156

MAT 6516

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

65-Tb-156

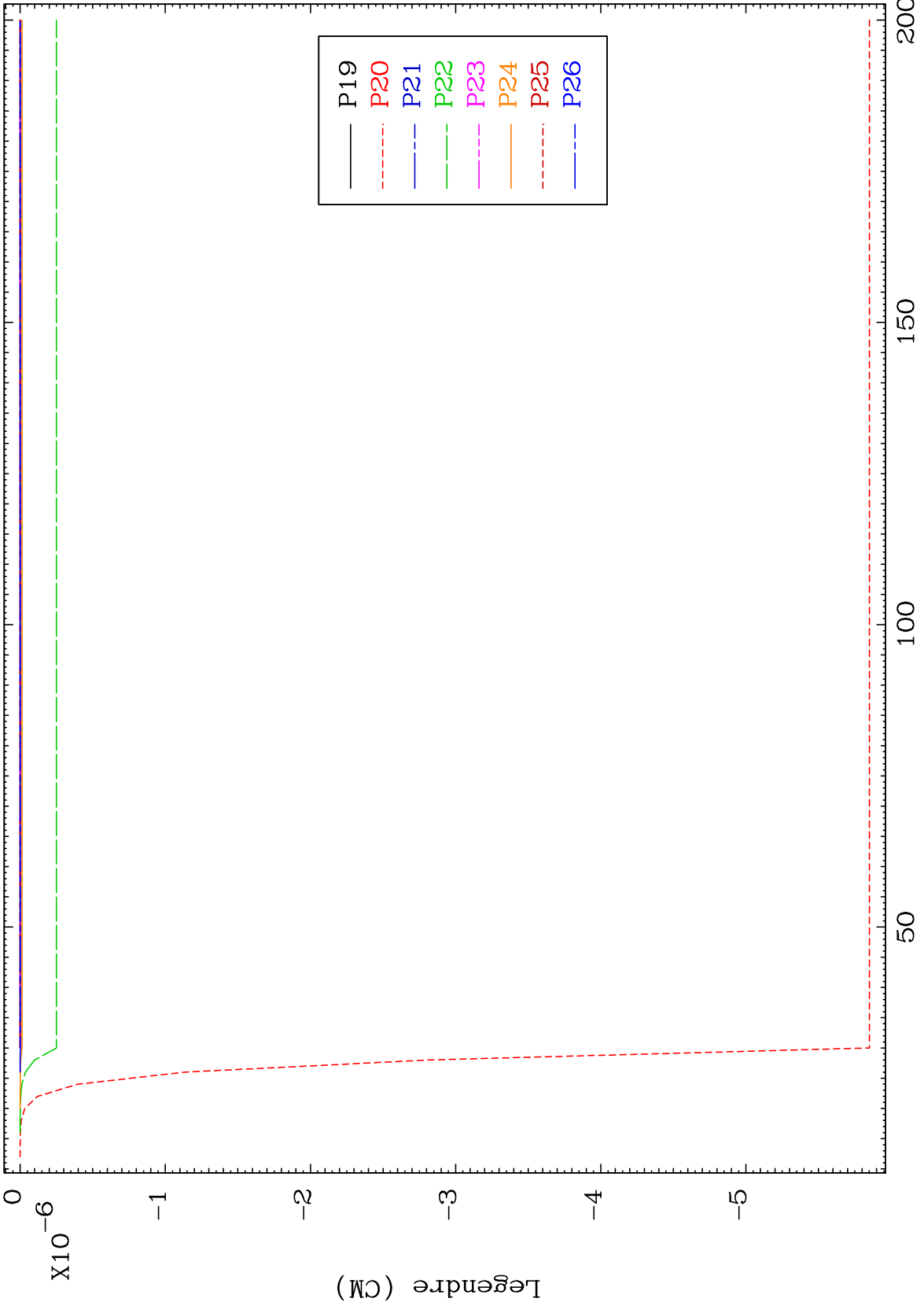


97

Incident Energy (MeV)

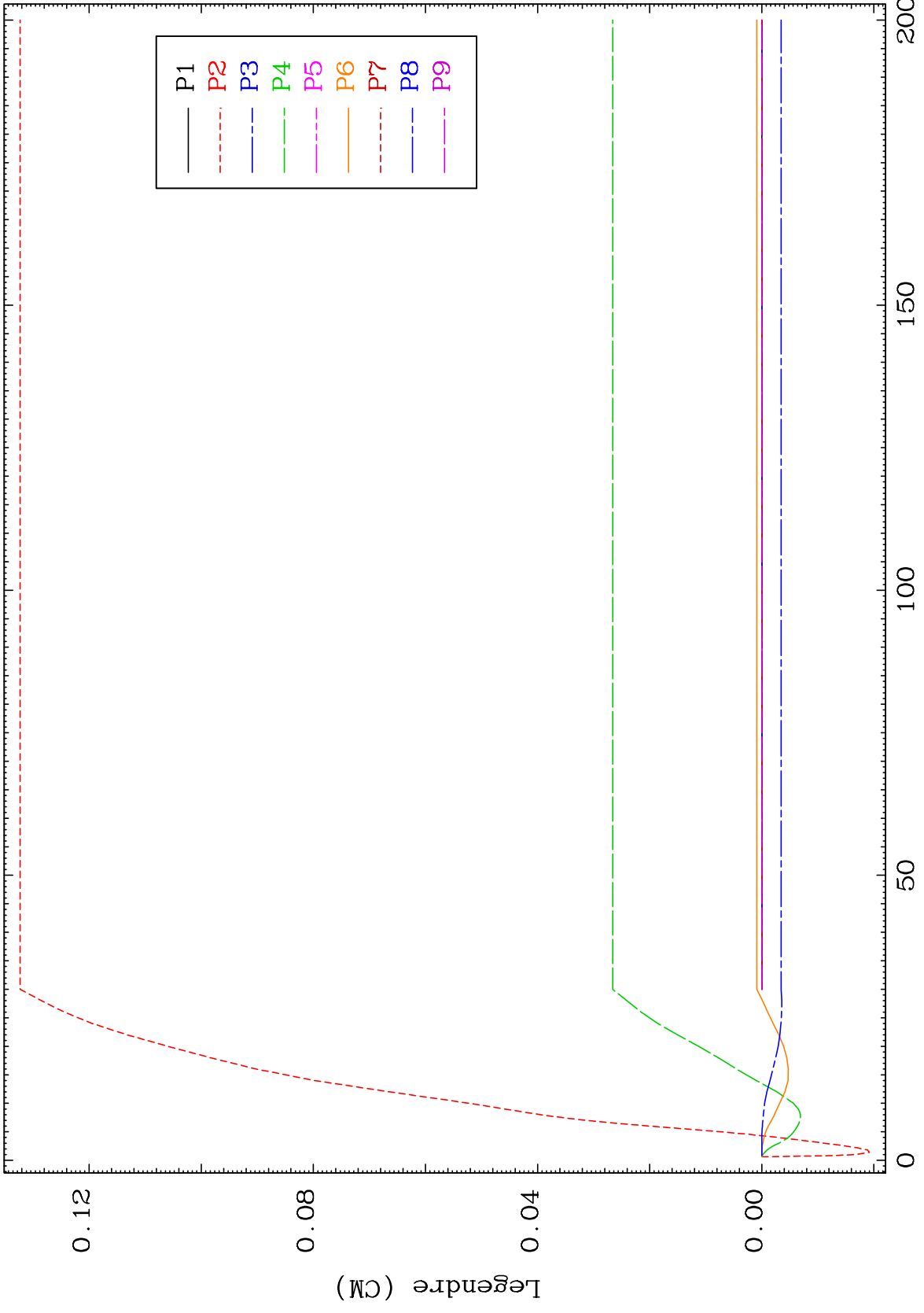
65-Tb-156

MAT 6516 MT= 73 (n,n') Level Legendre Coefficients 65-Tb-156



98 65-Tb-156

MAT 6516 MT= 74 (n,n') Level Legendre Coefficients 65-Tb-156

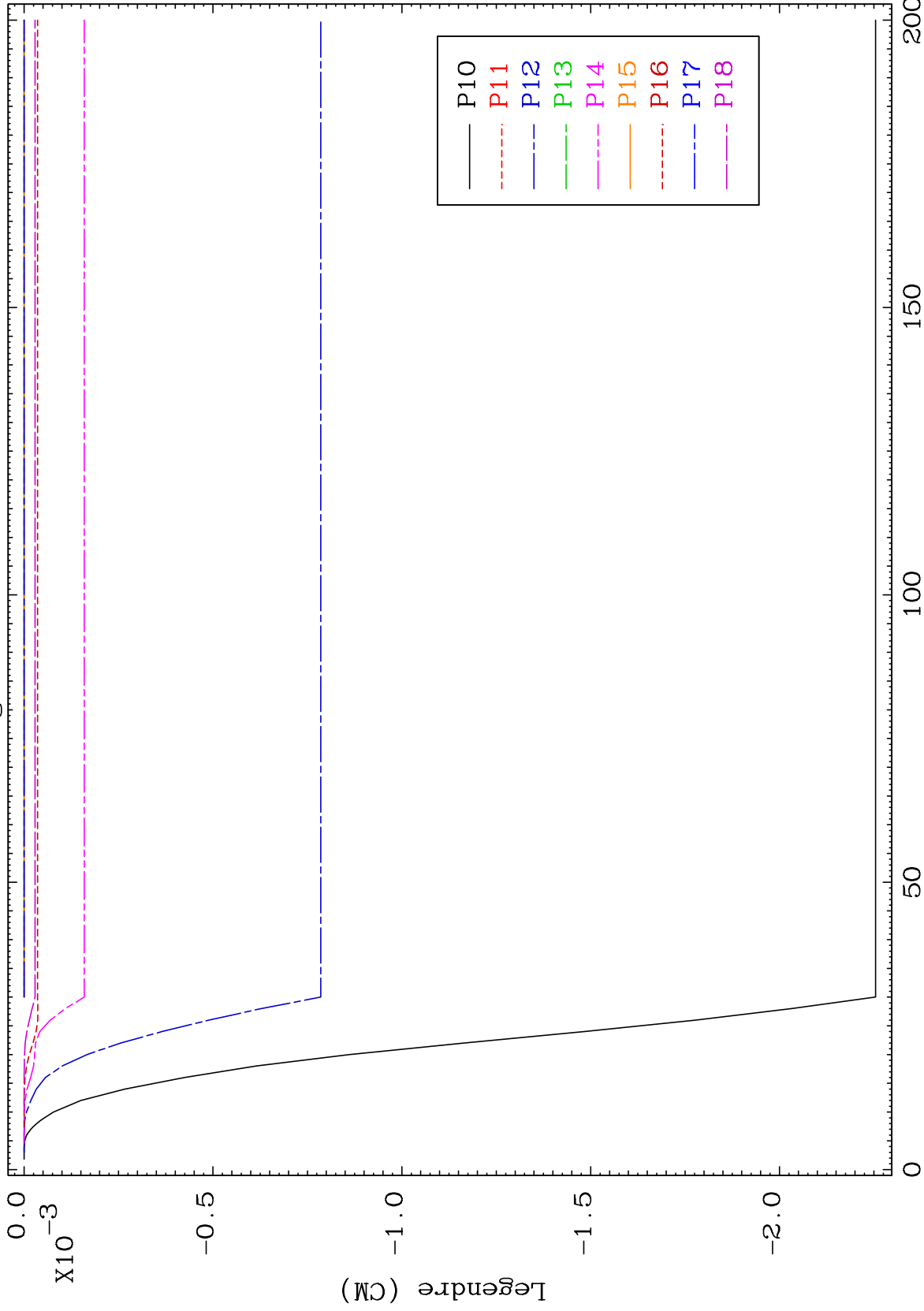


99 65-Tb-156

MAT 6516

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

65-Tb-156

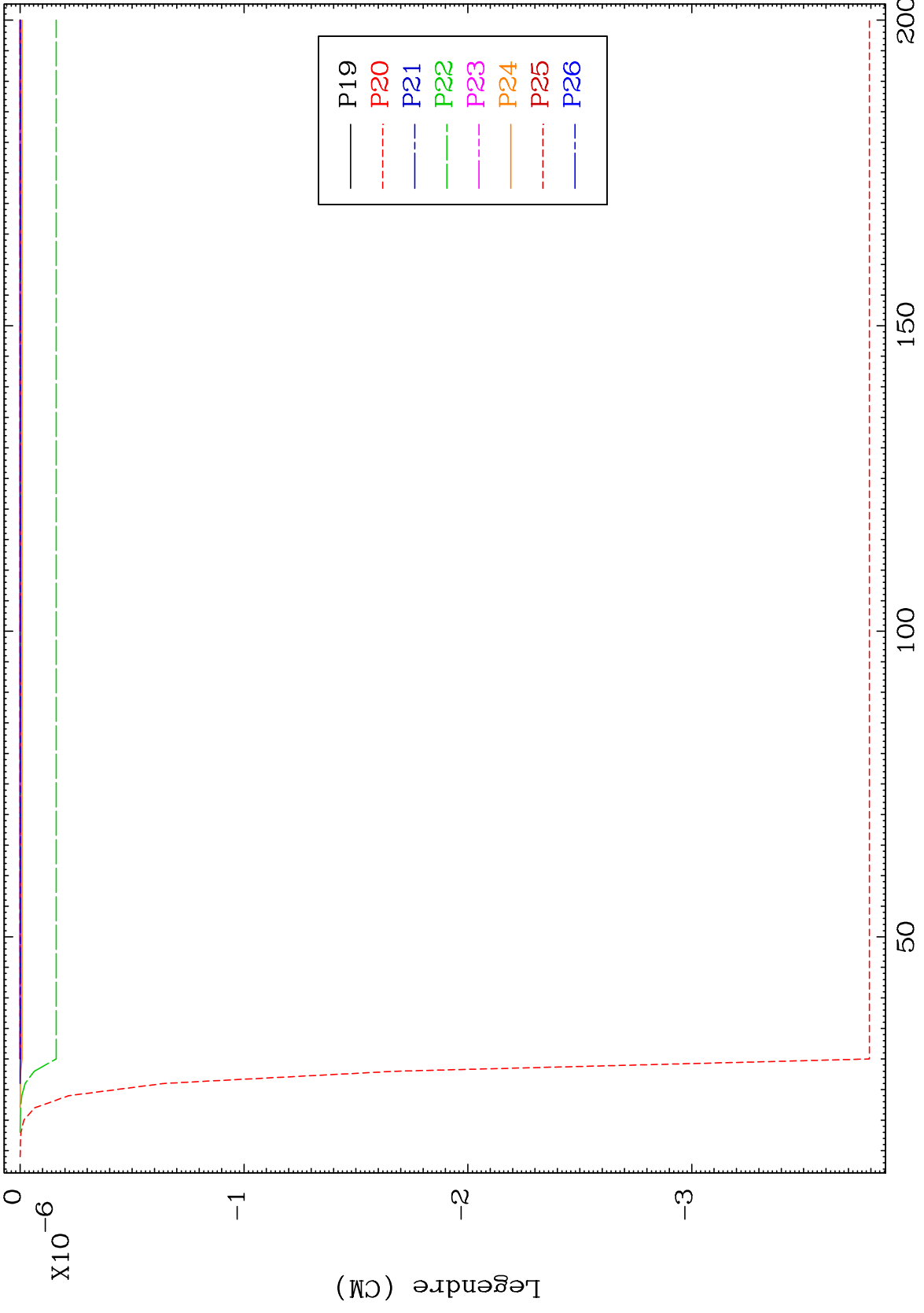


65-Tb-156

Incident Energy (MeV)

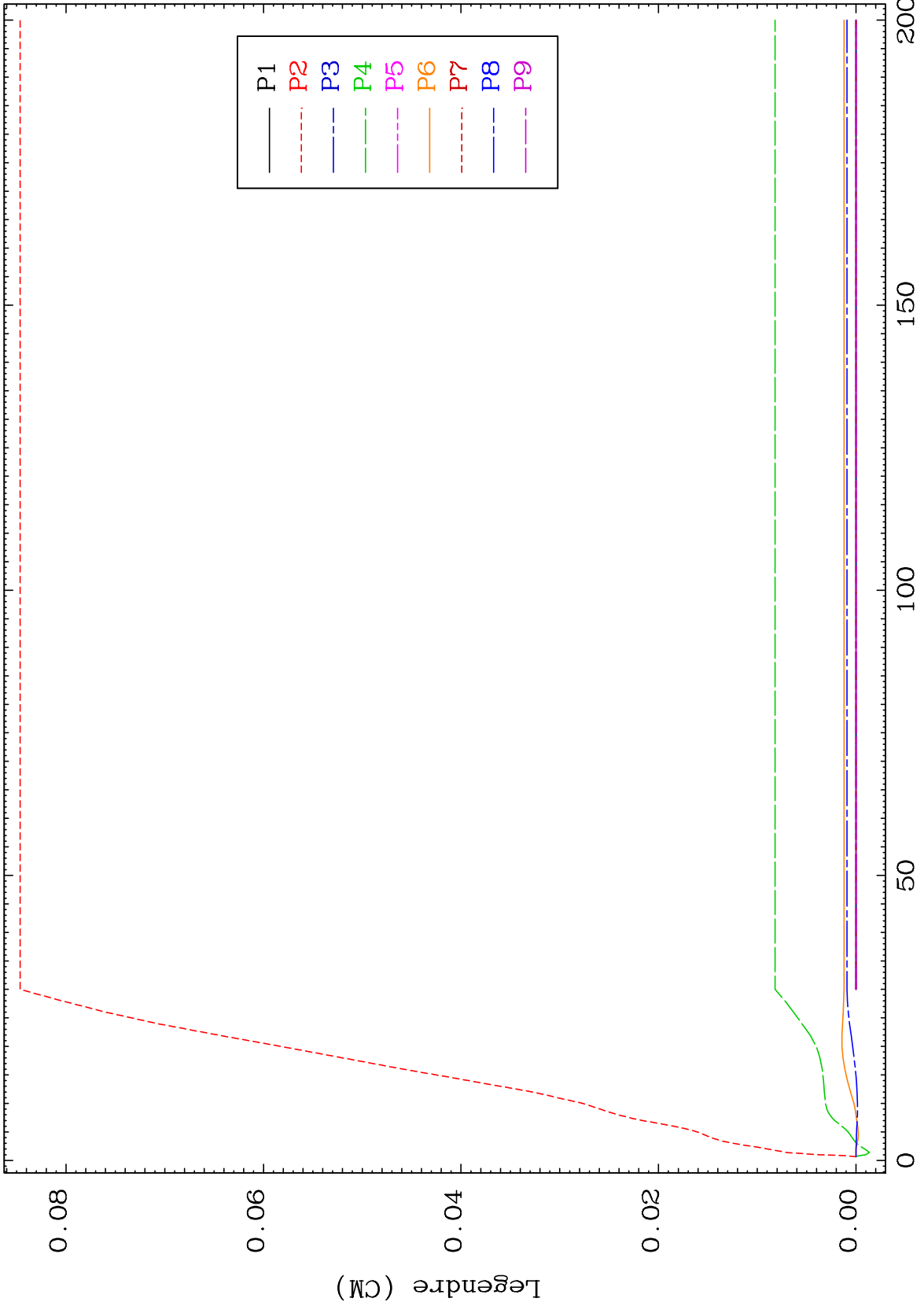
100

MAT 6516 MT= 74 (n,n') Level Legendre Coefficients 65-Tb-156



101 65-Tb-156

MAT 6516 MT= 75 (n,n') Level Legendre Coefficients 65-Tb-156

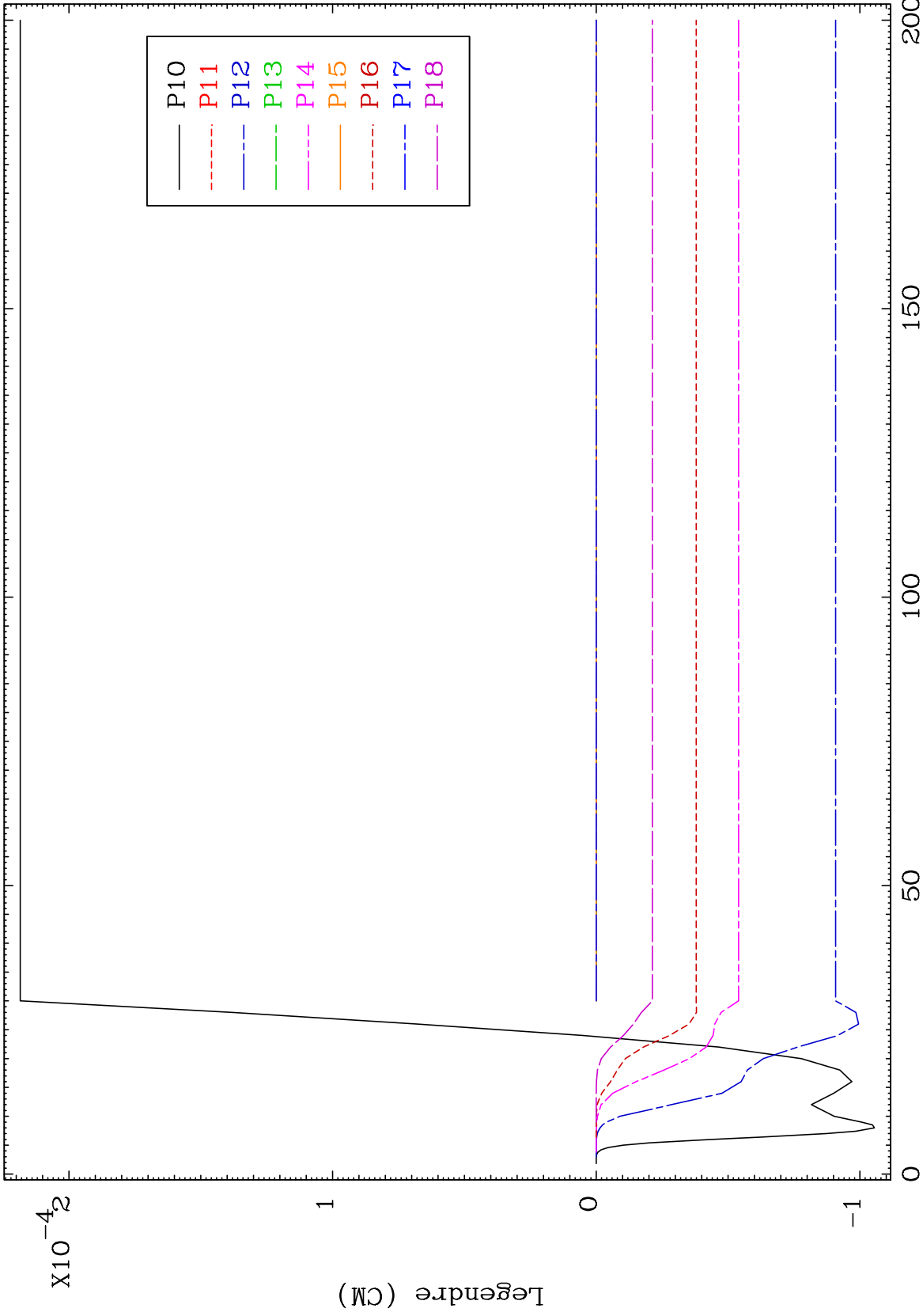


102 Incident Energy (MeV) 65-Tb-156

MAT 6516

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

65-Tb-156



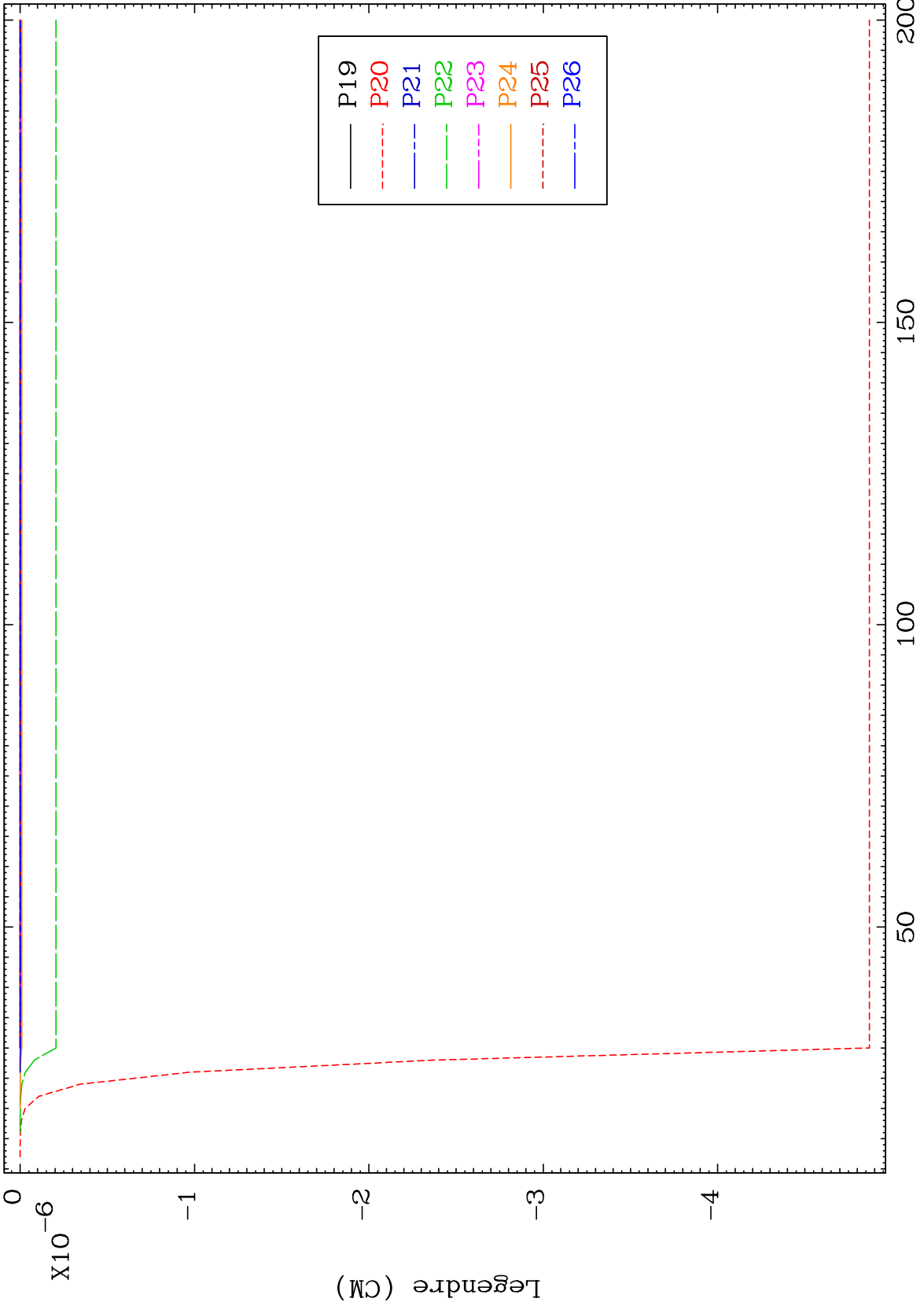
103

Incident Energy (MeV)

65-Tb-156

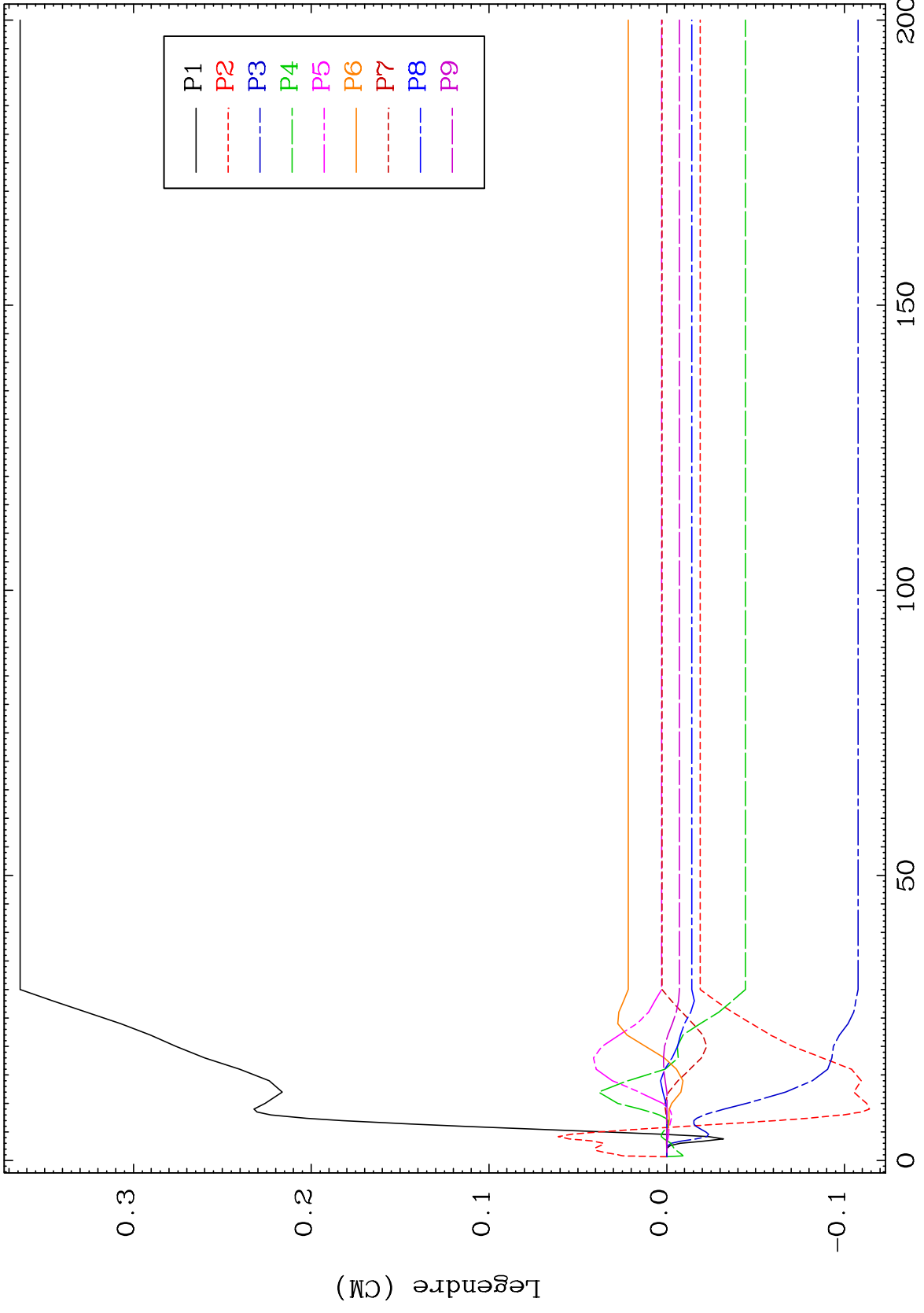


MAT 6516 MT= 75 (n,n') Level Legendre Coefficients 65-Tb-156



104 65-Tb-156

MAT 6516 MT= 76 (n,n') Level Legendre Coefficients 65-Tb-156

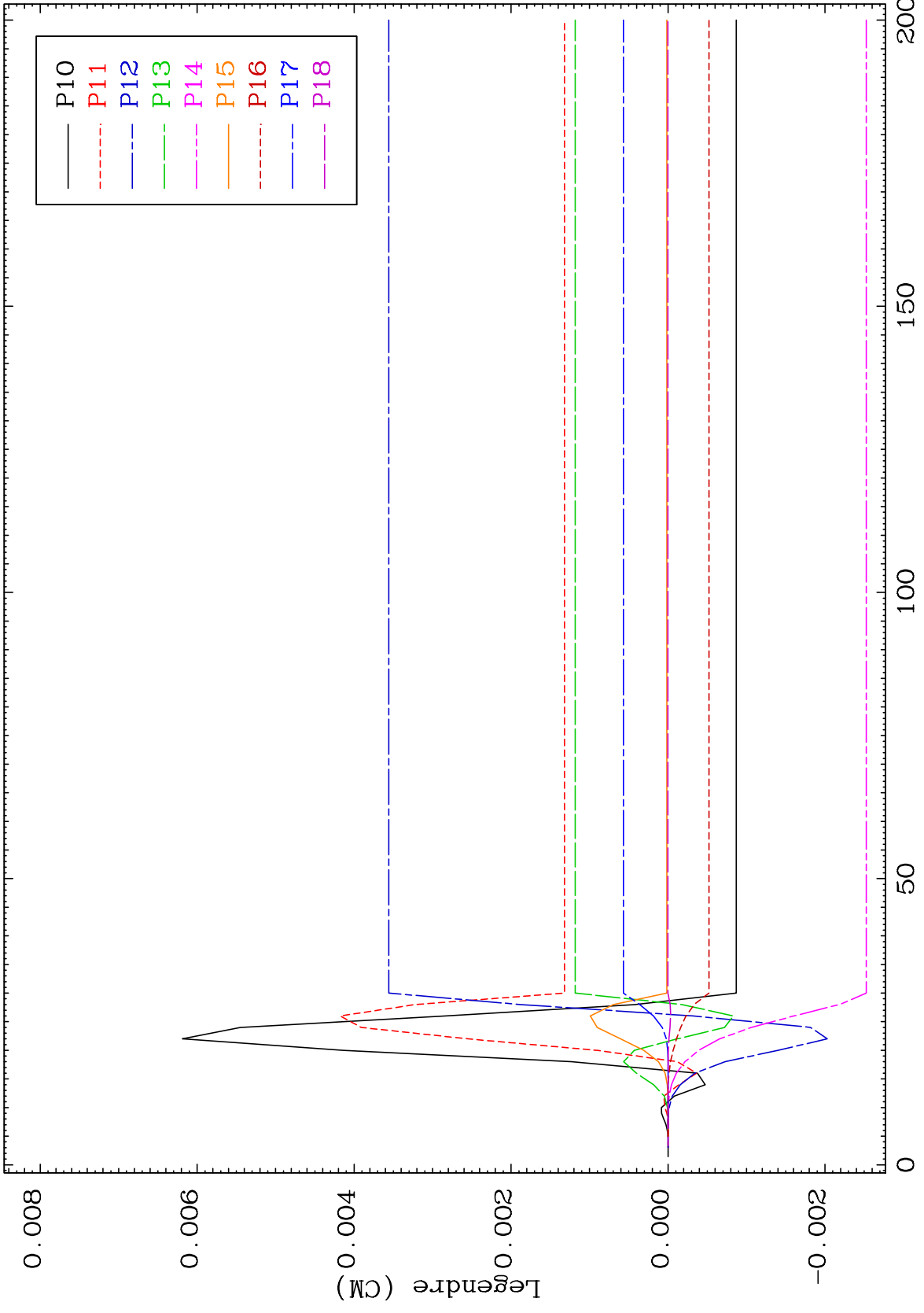


105 Incident Energy (MeV) 65-Tb-156

MAT 6516

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

65-Tb-156



106

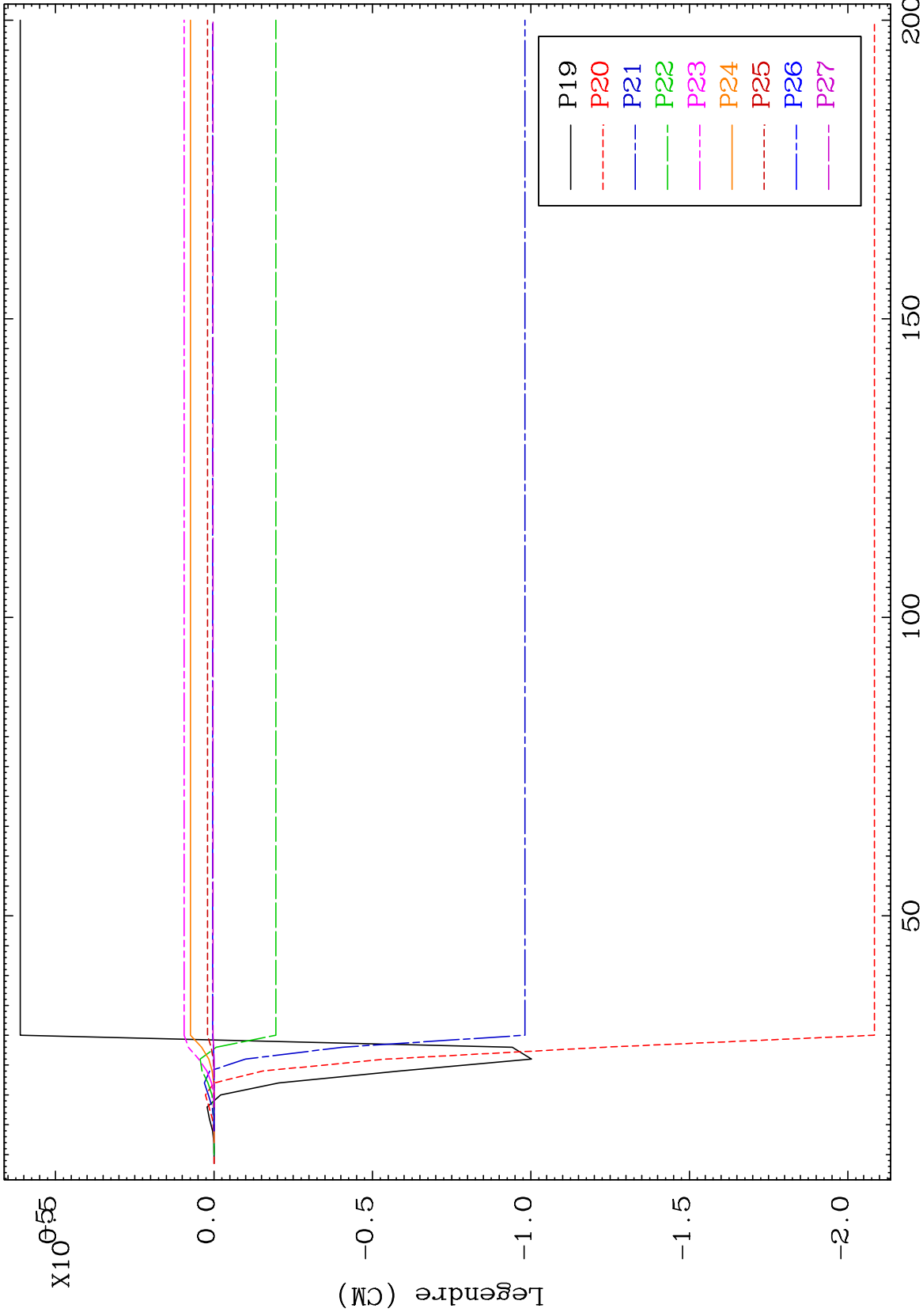
Incident Energy (MeV)

65-Tb-156

MAT 6516

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

65-Tb-156



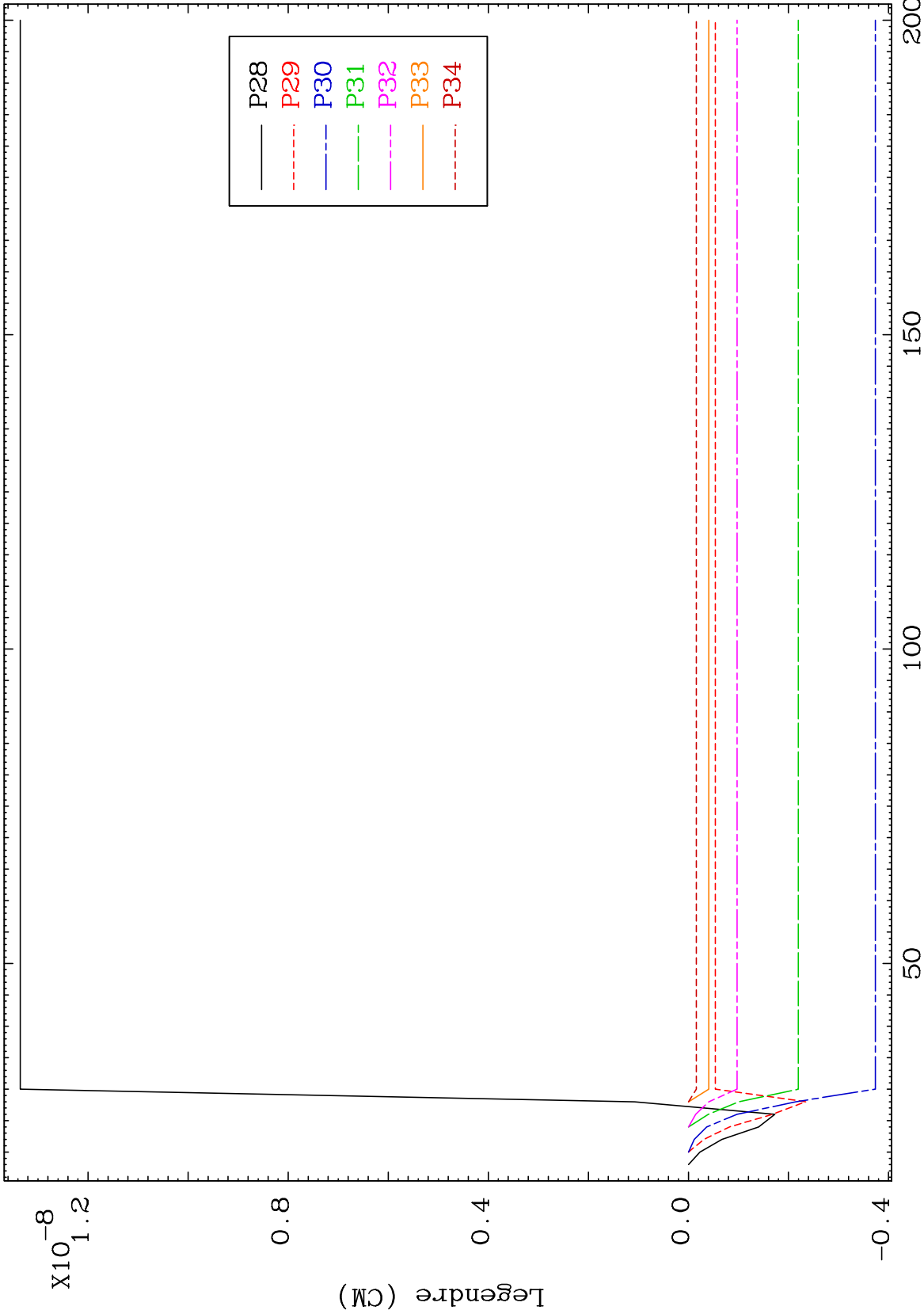
107

65-Tb-156

MAT 6516

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

65-Tb-156



108

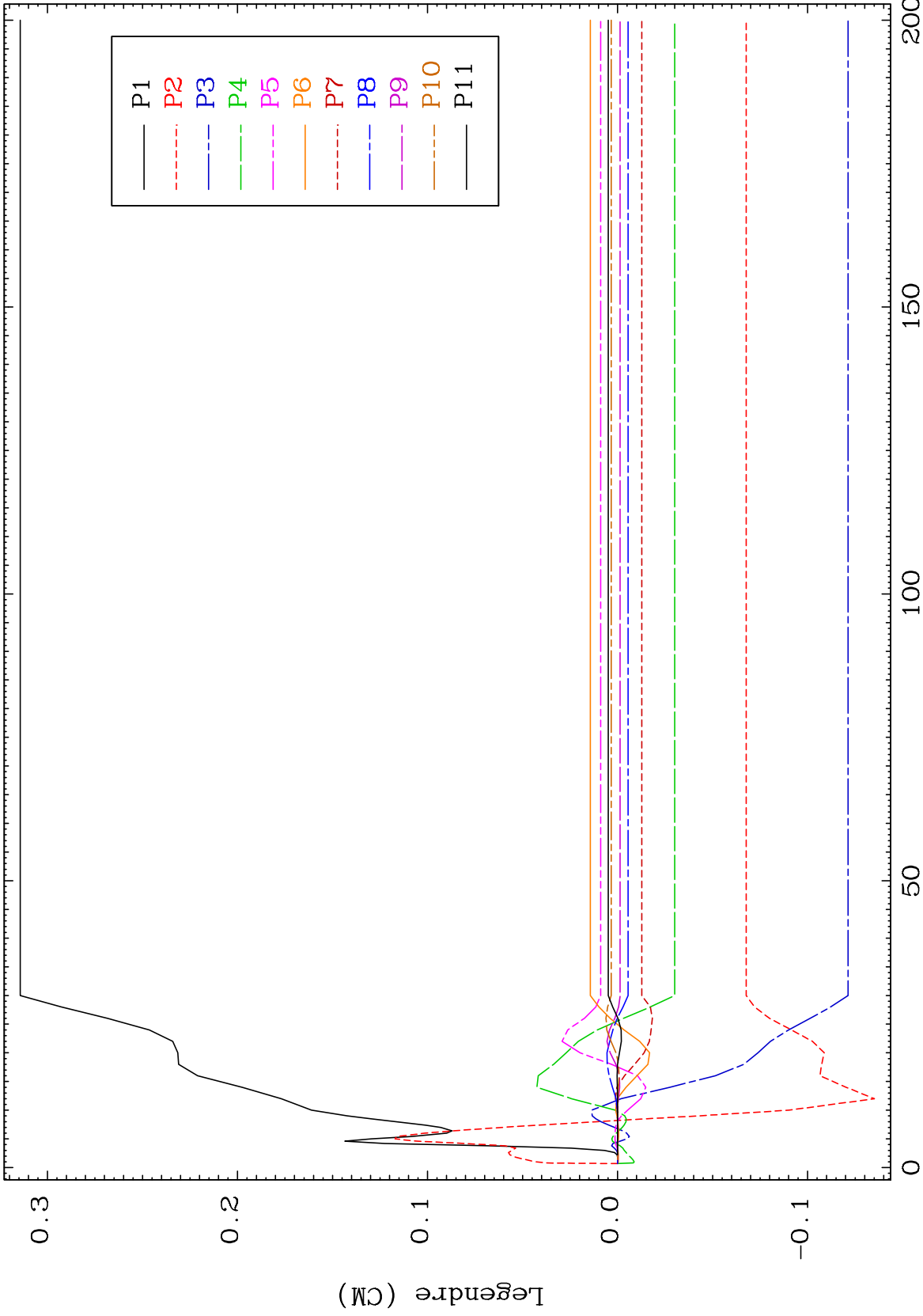
Incident Energy (MeV)

65-Tb-156

MAT 6516

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

65-Tb-156



109

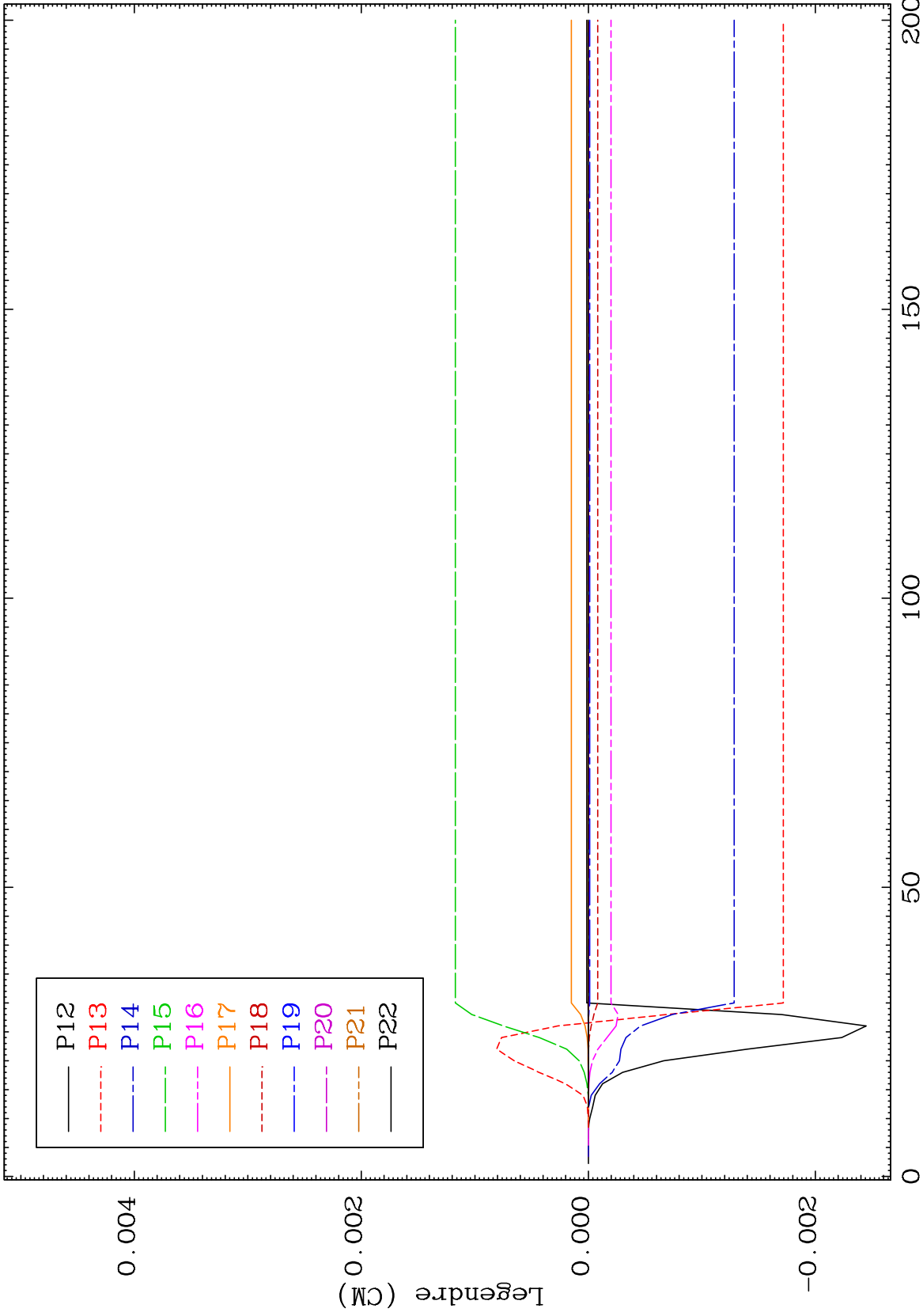
Incident Energy (MeV)

65-Tb-156

MAT 6516

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

65-Tb-156



110

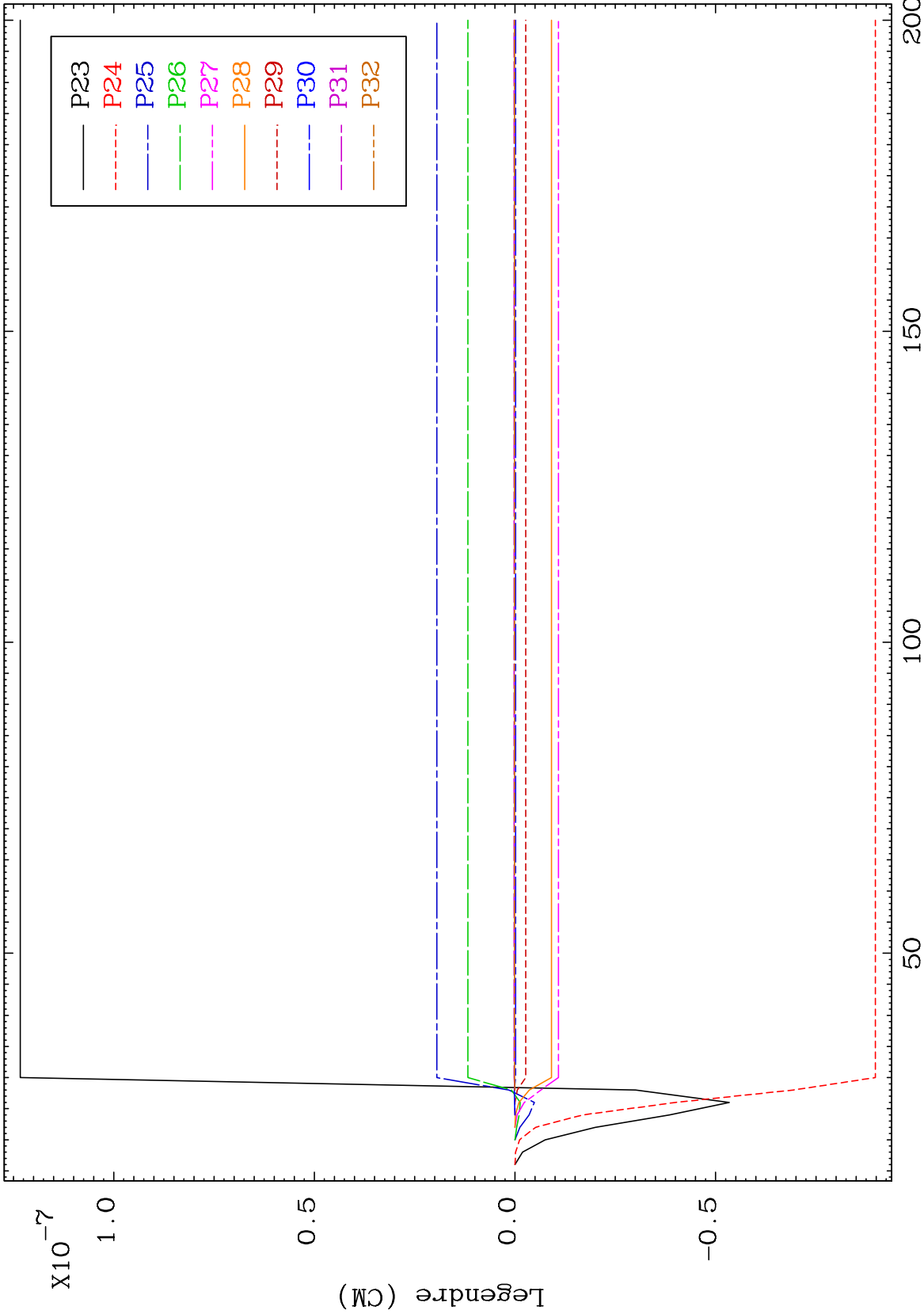
Incident Energy (MeV)

65-Tb-156

MAT 6516

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

65-Tb-156

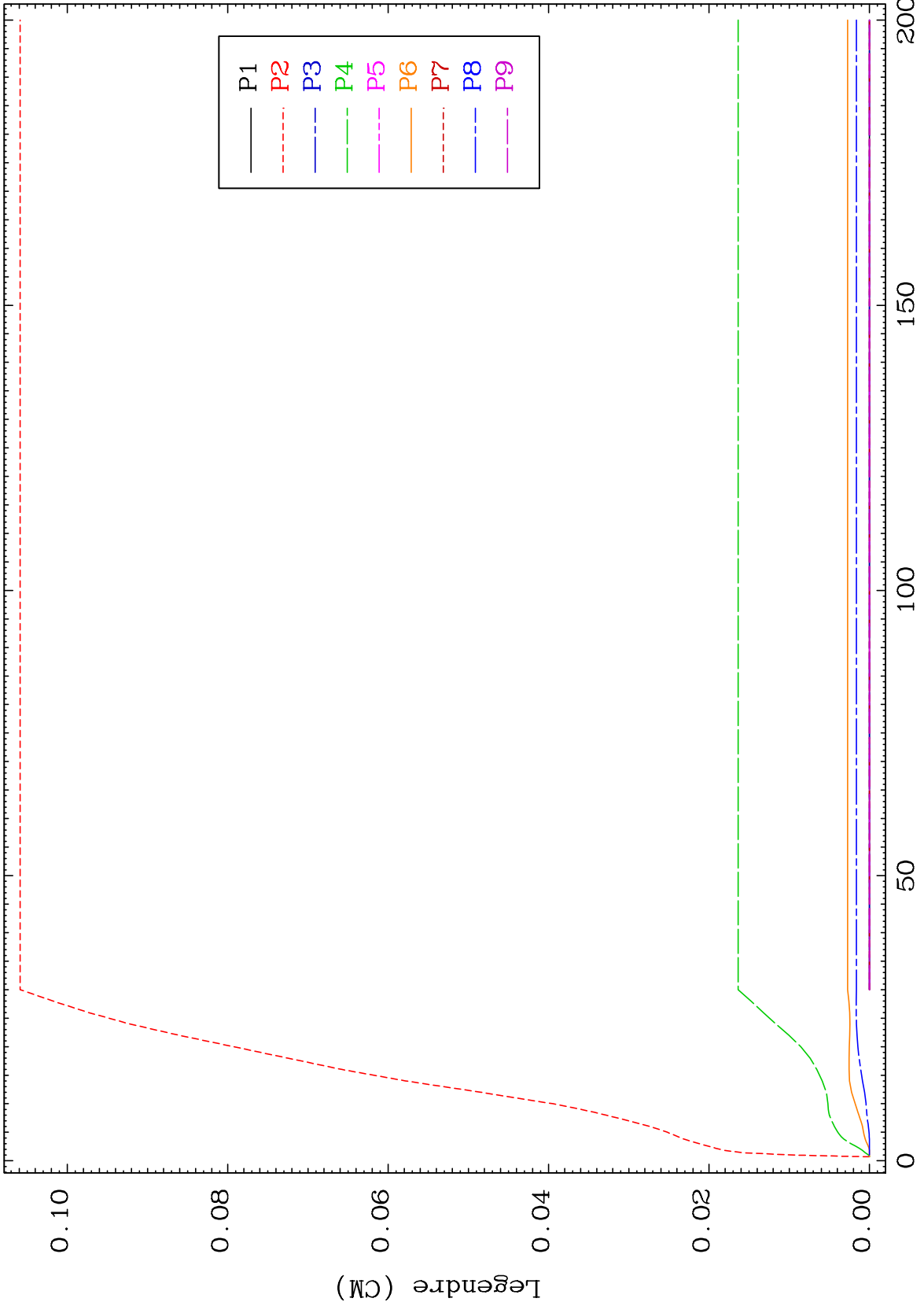


111

65-Tb-156



MAT 6516 MT= 78 (n,n') Level Legendre Coefficients 65-Tb-156

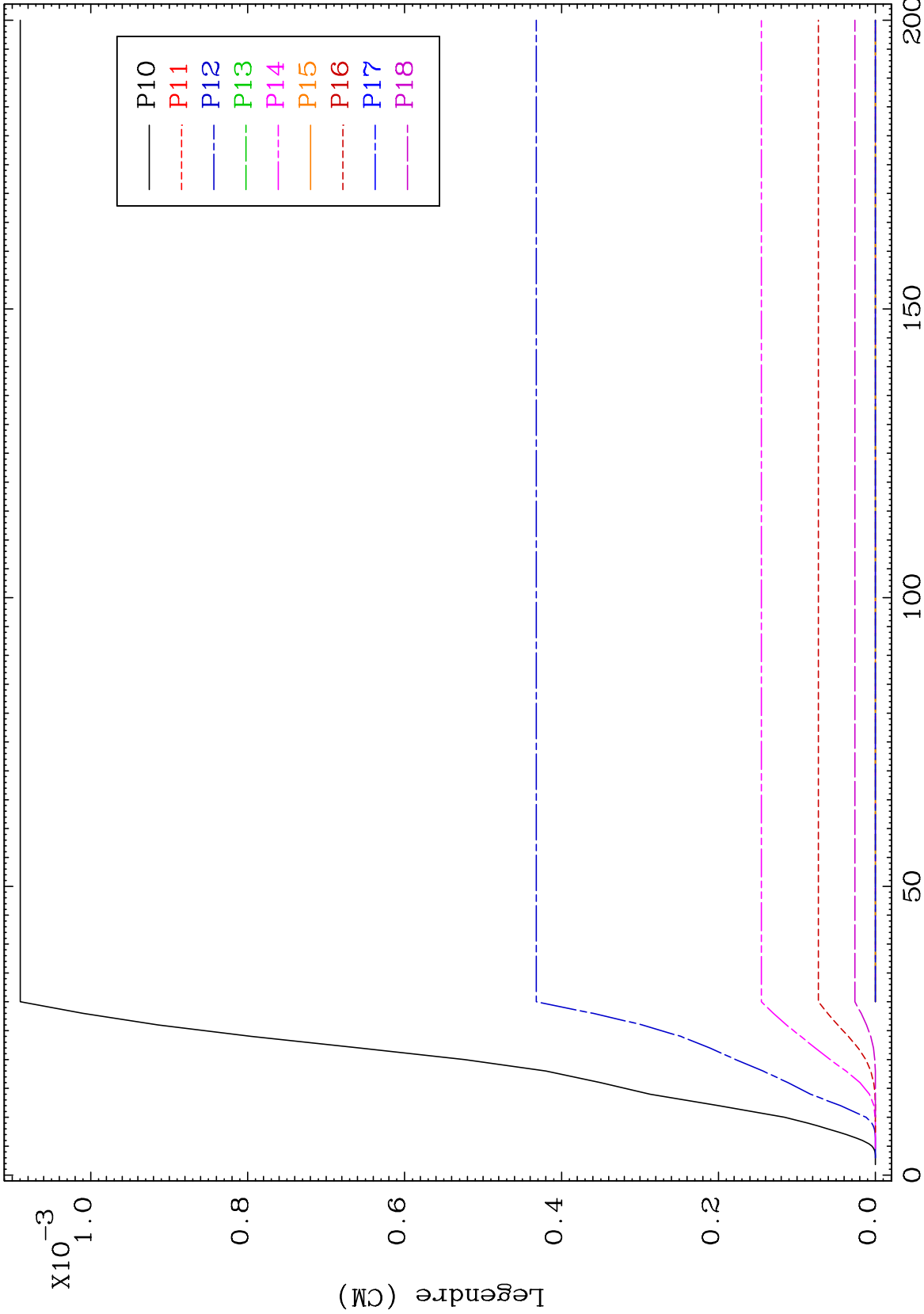


112 Incident Energy (MeV) 65-Tb-156

MAT 6516

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

65-Tb-156

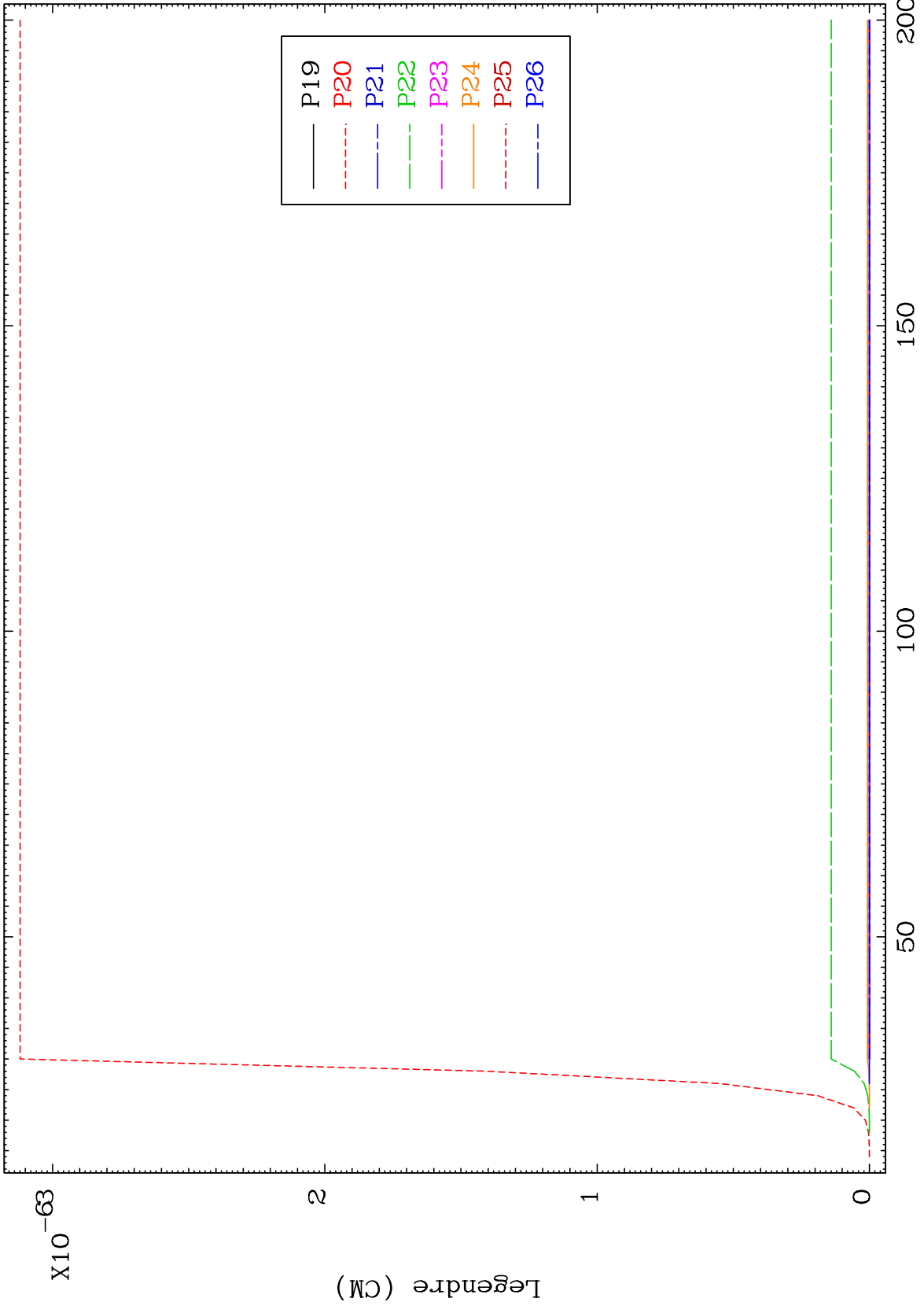


113

Incident Energy (MeV)

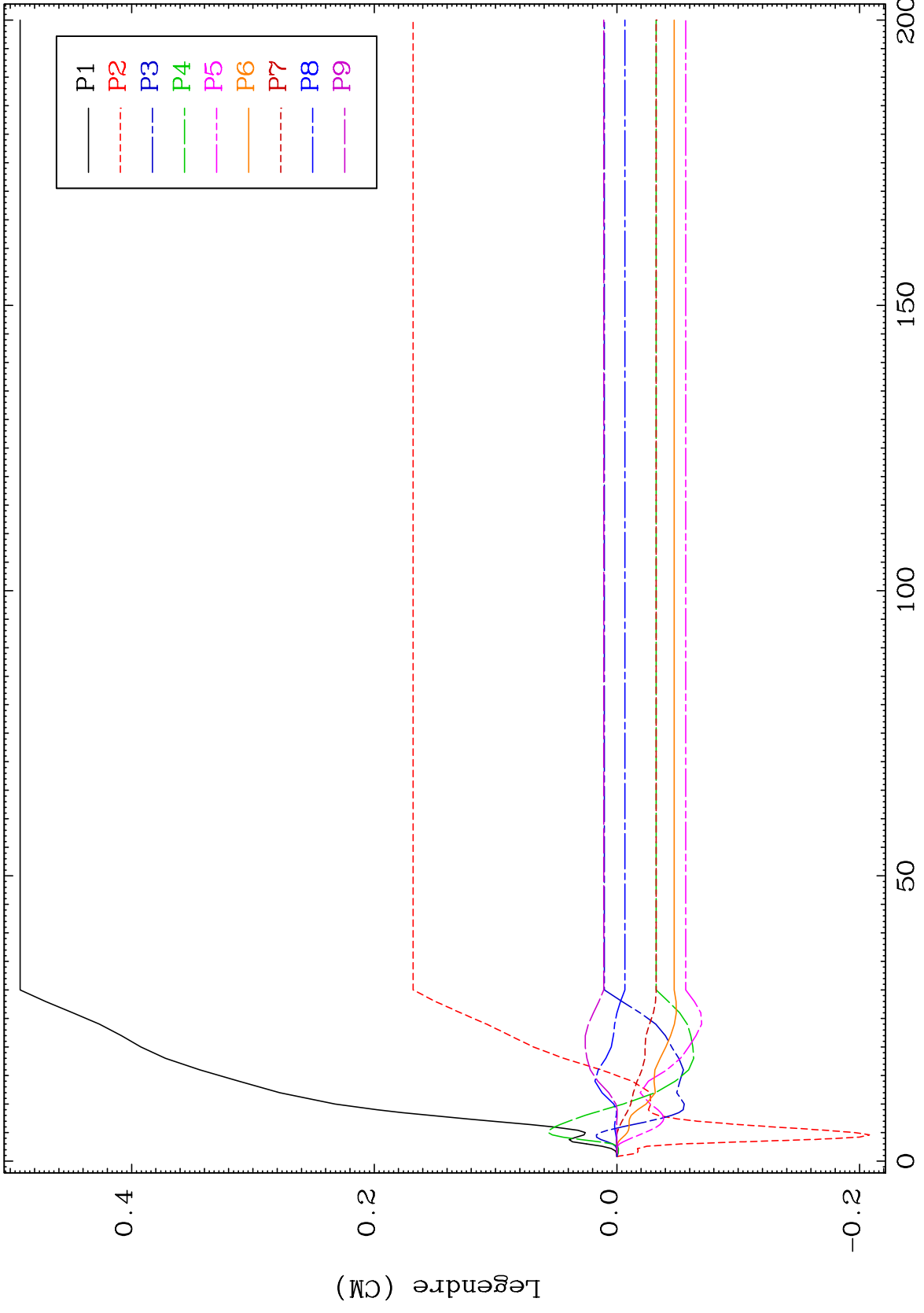
65-Tb-156

MAT 6516 MT= 78 (n,n') Level Legendre Coefficients 65-Tb-156



114 65-Tb-156

MAT 6516 MT= 79 (n,n') Level Legendre Coefficients 65-Tb-156

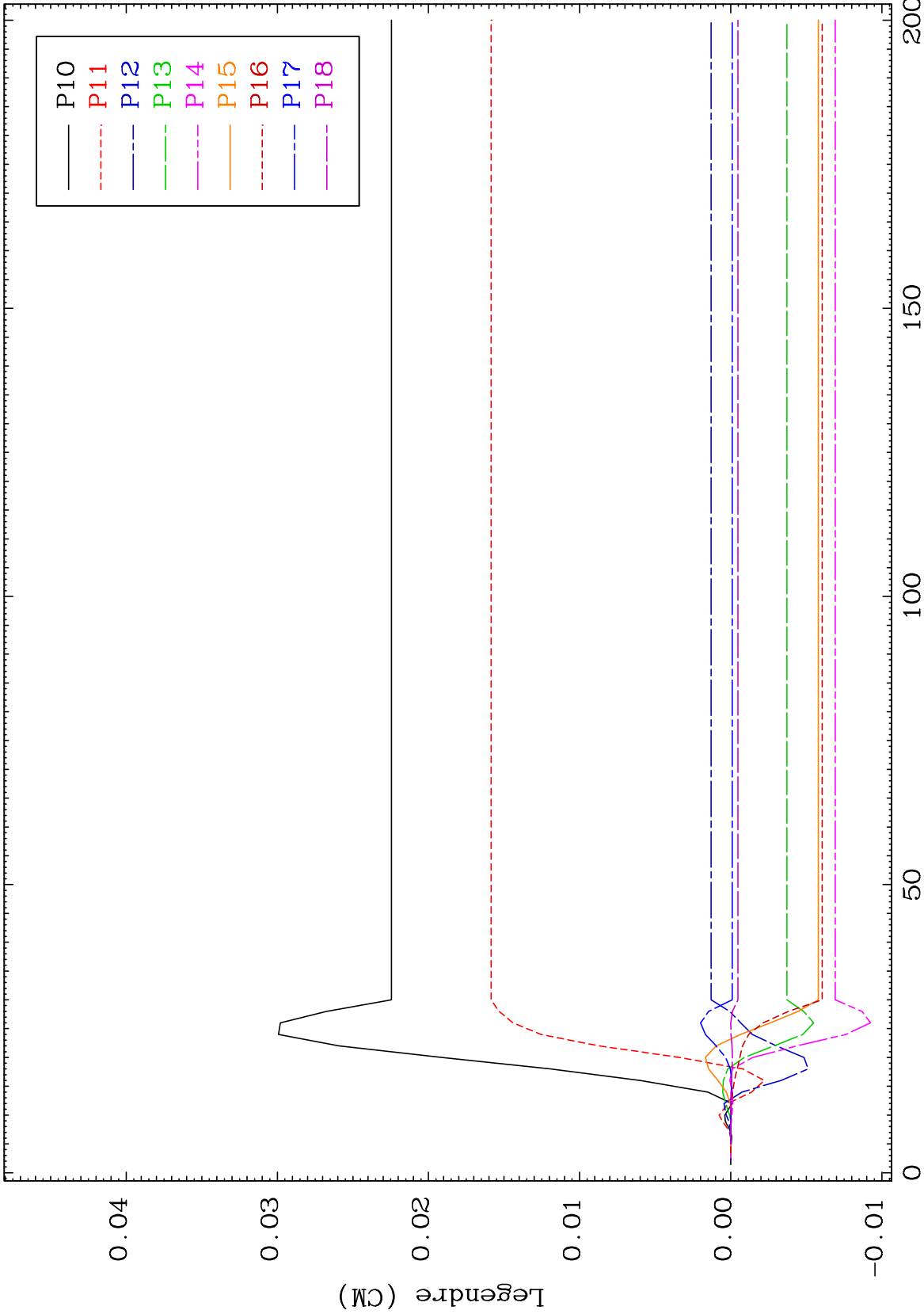


115 Incident Energy (MeV) 65-Tb-156

MAT 6516

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

65-Tb-156



116

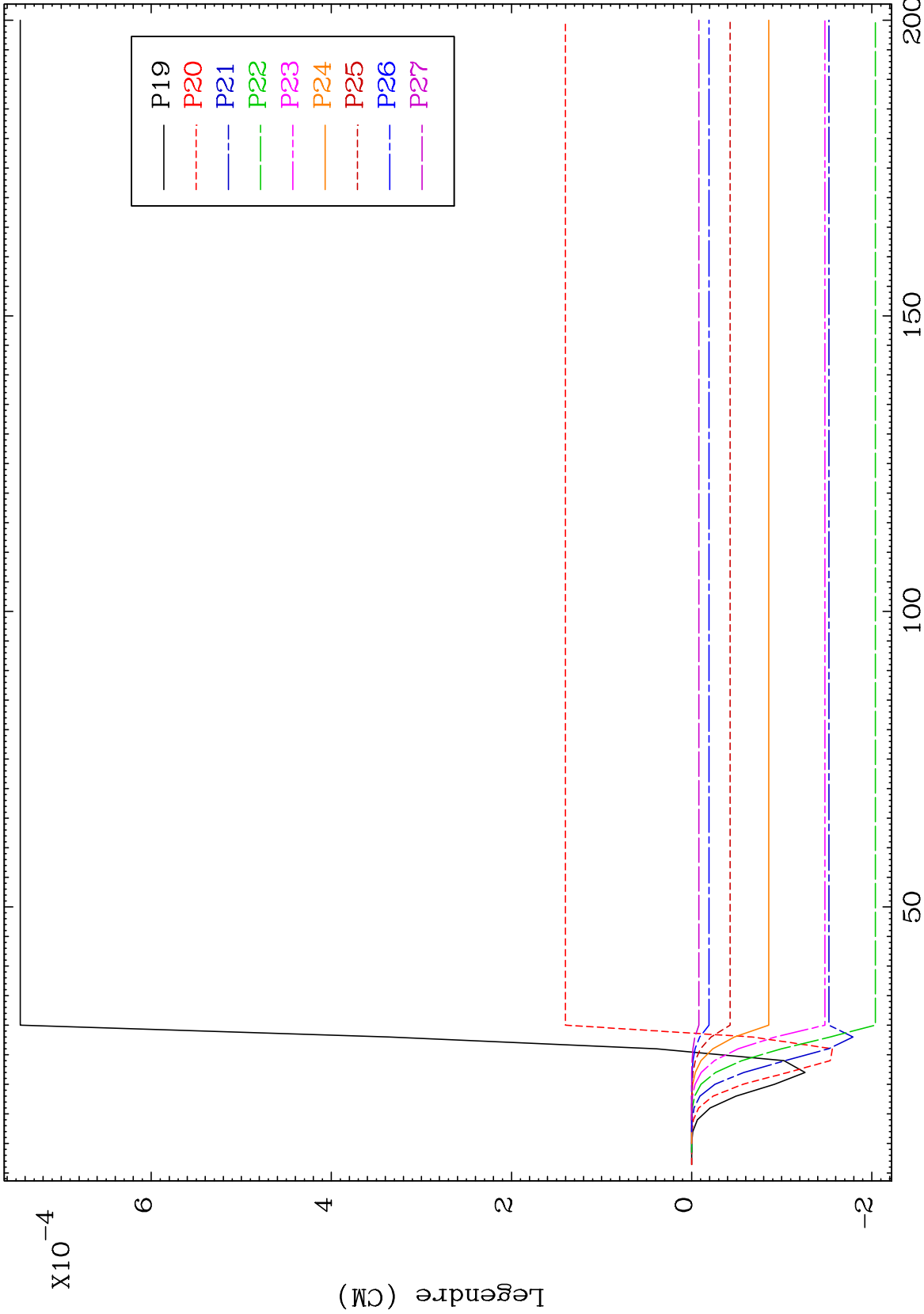
Incident Energy (MeV)

65-Tb-156

MAT 6516

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

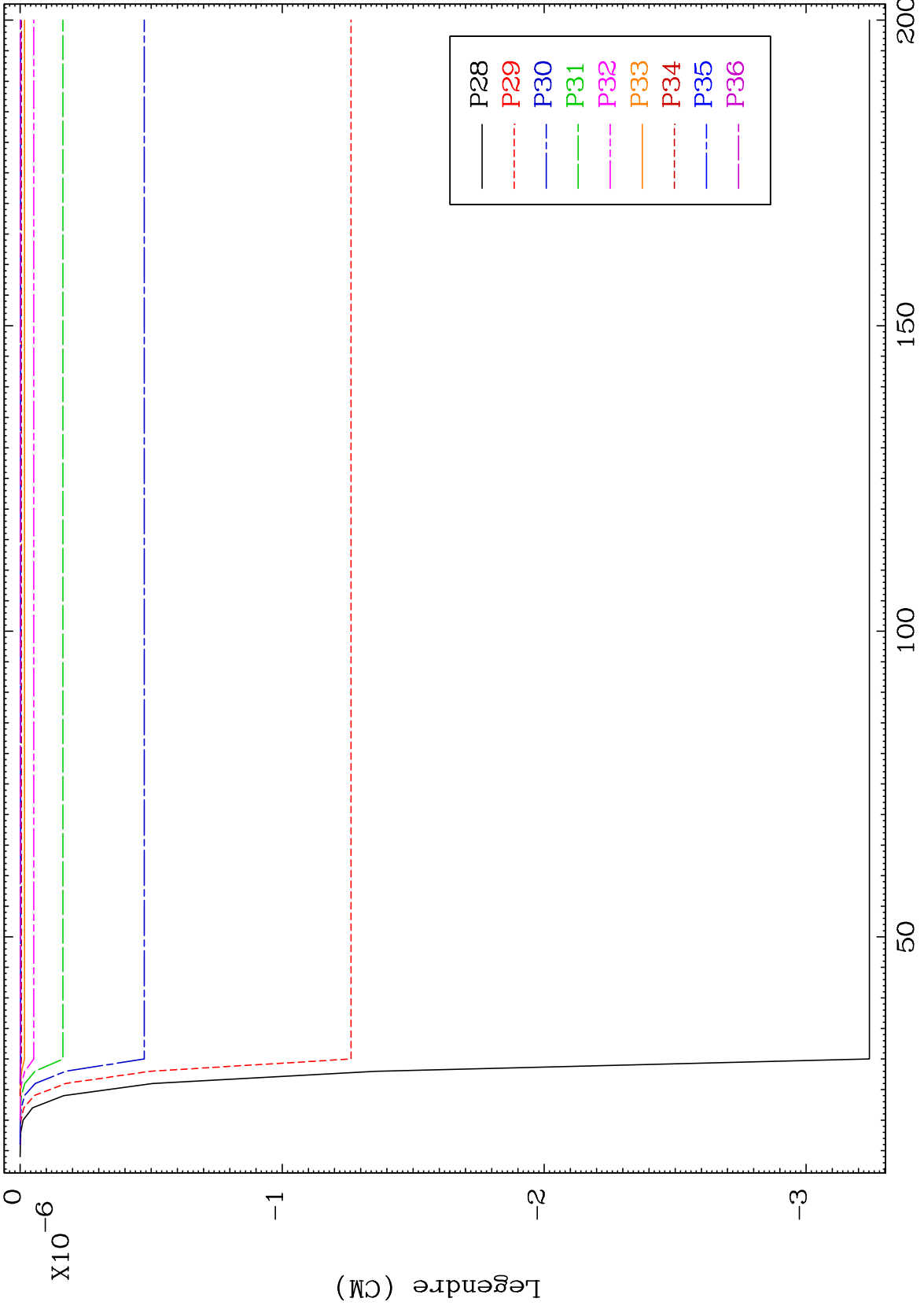
65-Tb-156



117

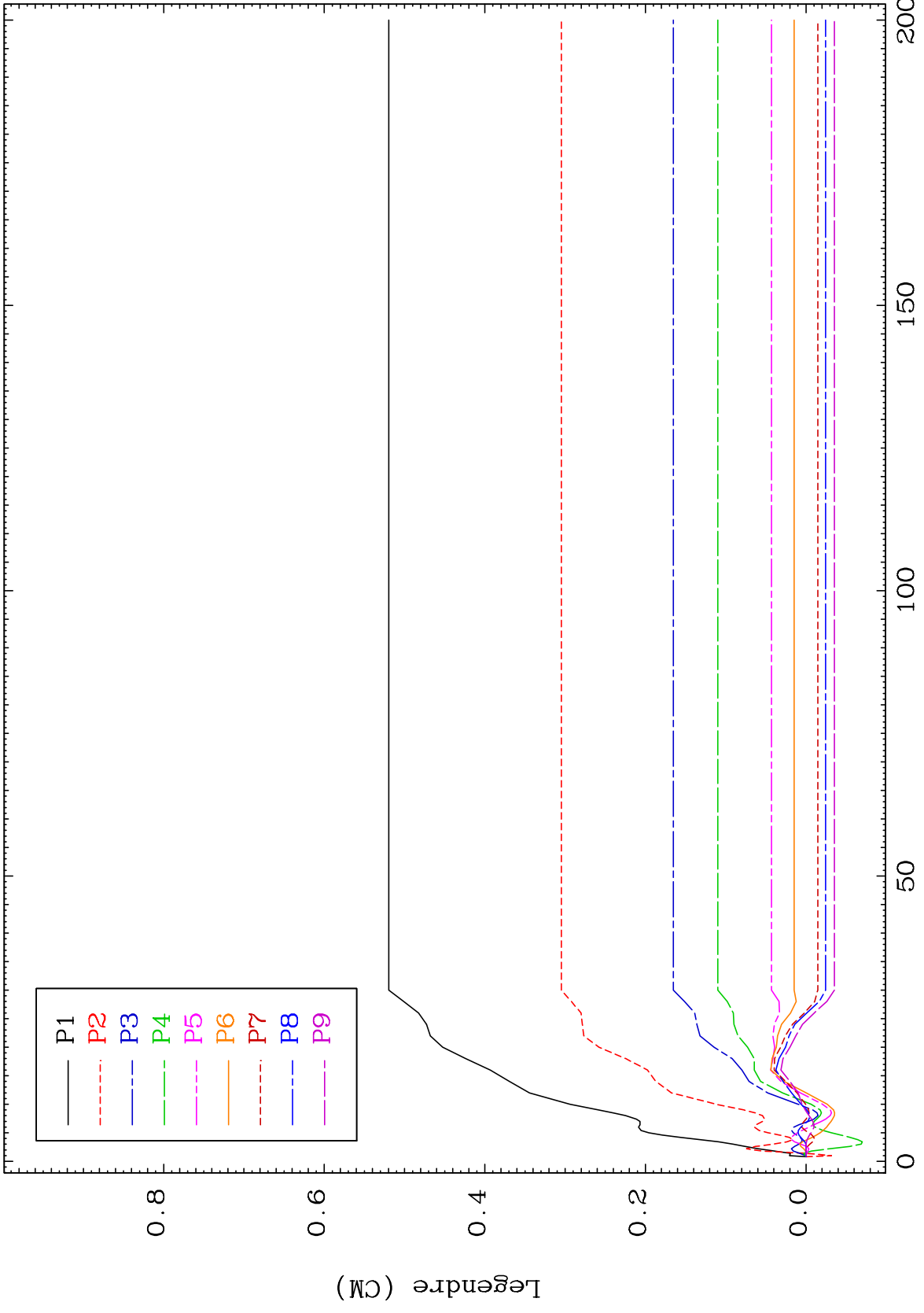
65-Tb-156

MAT 6516 MT= 79 (n,n') Level Legendre Coefficients 65-Tb-156



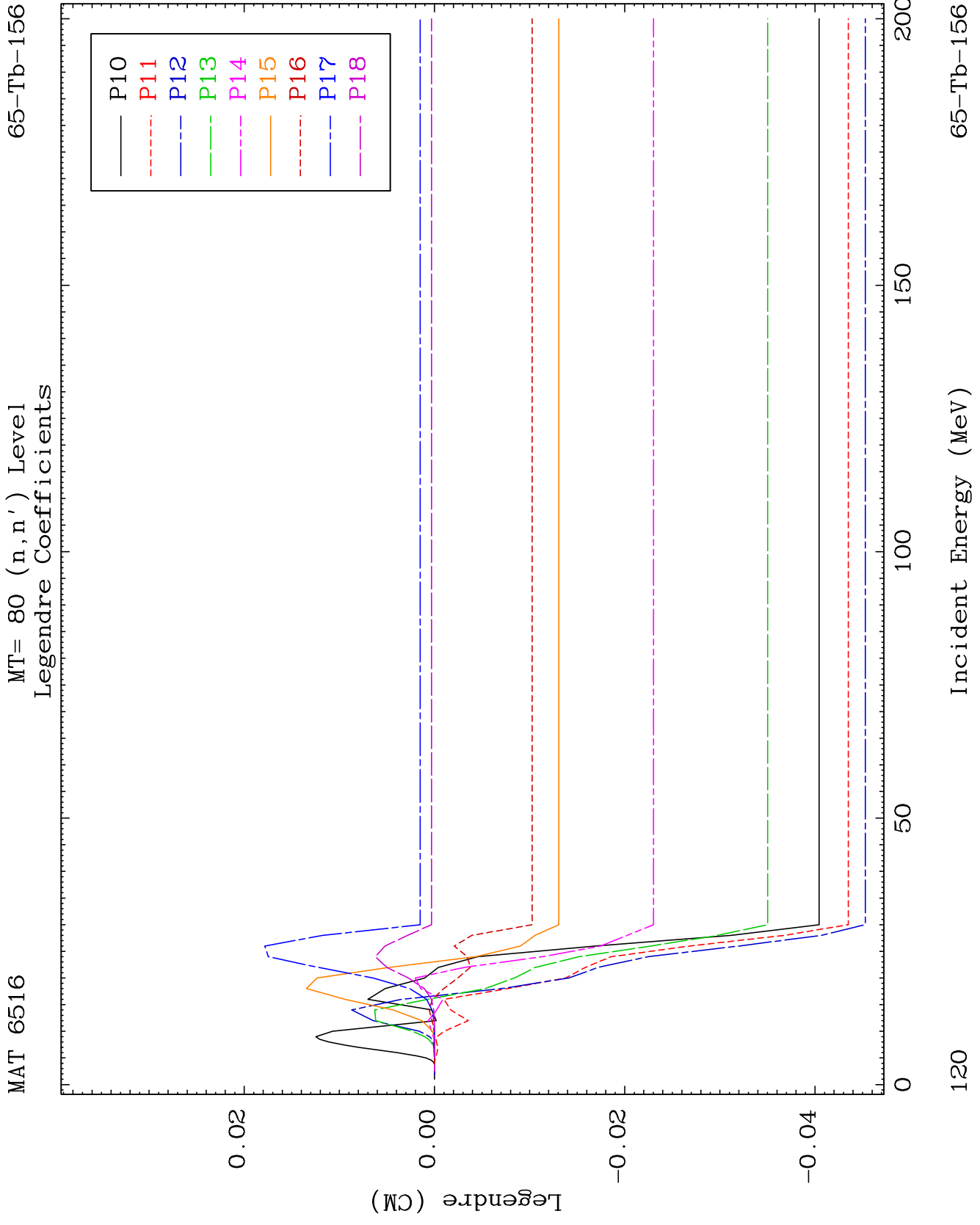
118 65-Tb-156

MAT 6516 MT= 80 (n,n') Level Legendre Coefficients 65-Tb-156



119 65-Tb-156

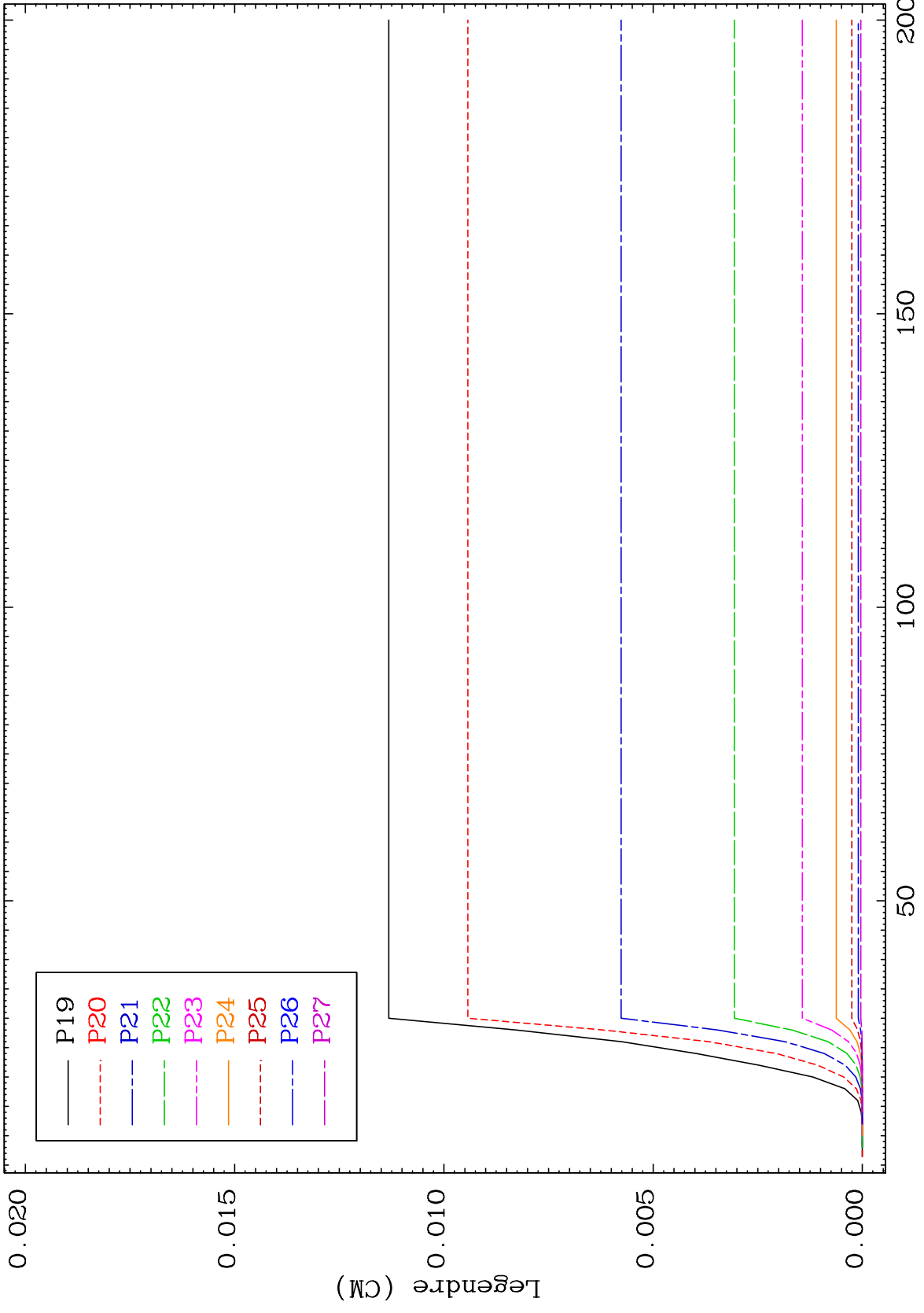




MAT 6516

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

65-Tb-156



121

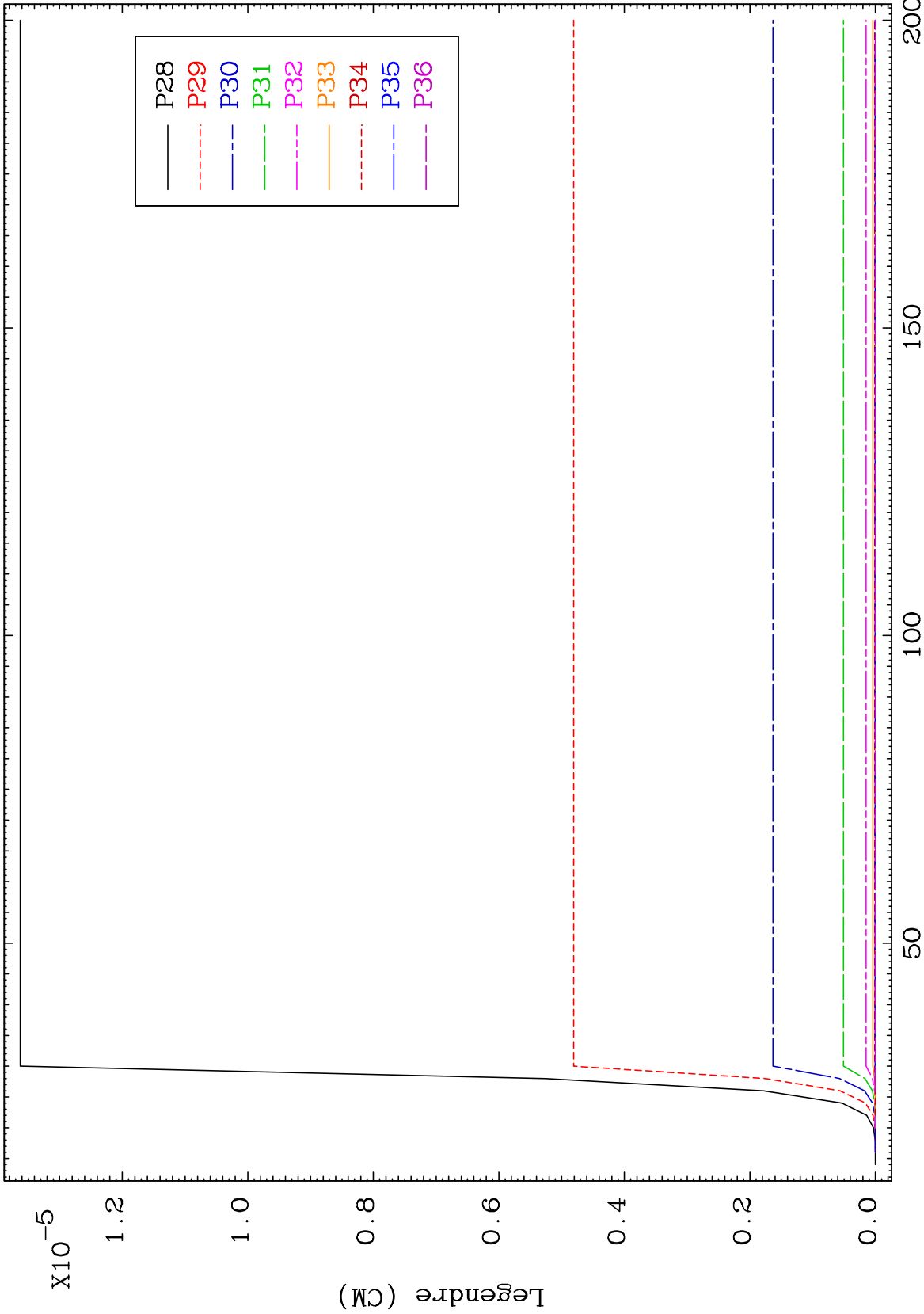
Incident Energy (MeV)

65-Tb-156

MAT 6516

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

65-Tb-156



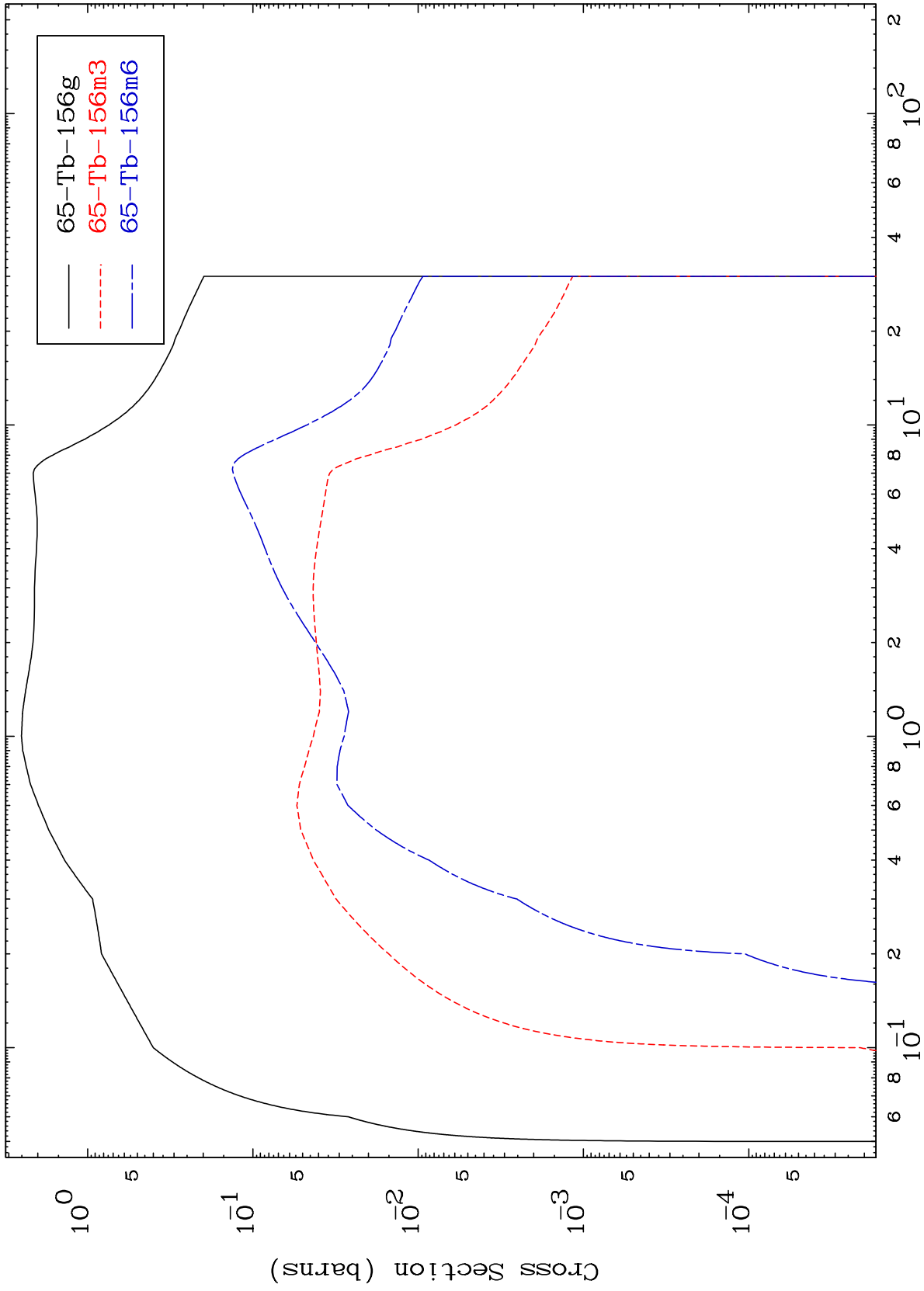
122

65-Tb-156

MAT 6516

# Inelastic Radionuclide Production Cross Section

65-Tb-156



123

Incident Energy (MeV)

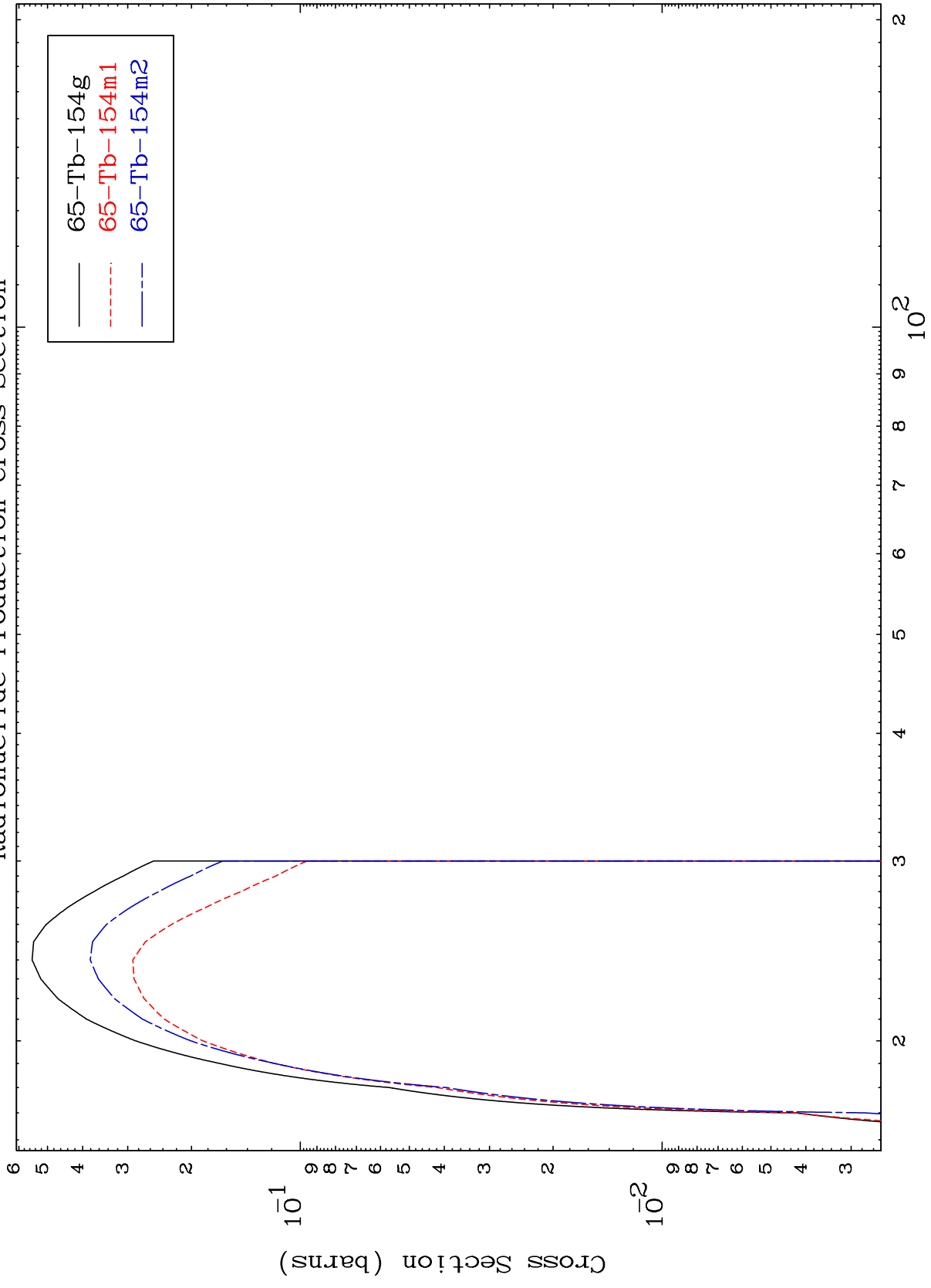
65-Tb-156

MAT 6516

(n,3n)

65-Tb-156

Radionuclide Production Cross Section



124

Incident Energy (MeV)

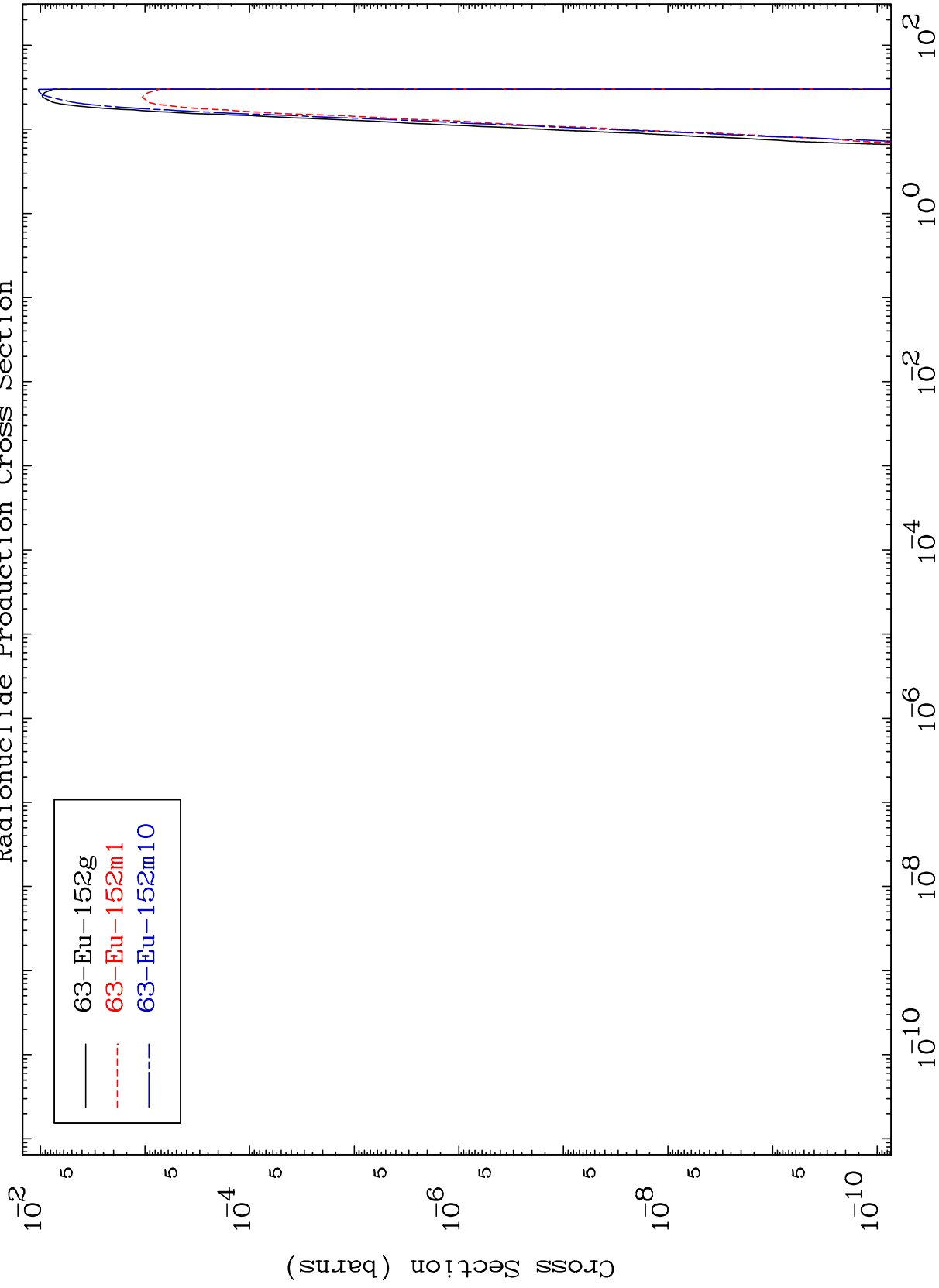
65-Tb-156

MAT 6516

(n,n')  $\alpha$

65-Tb-156

Radionuclide Production Cross Section



125

Incident Energy (MeV)

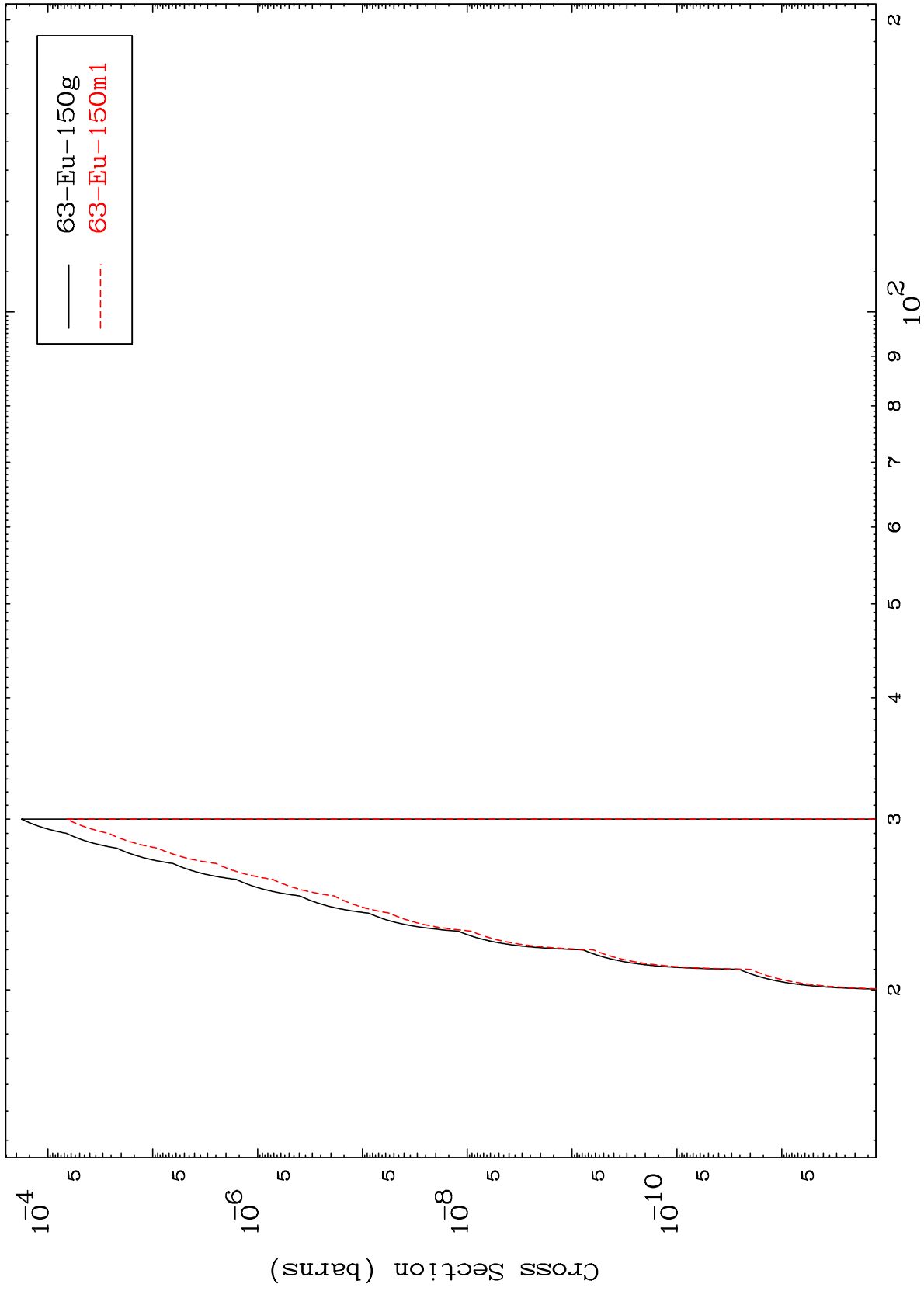
65-Tb-156

MAT 6516

(n,3n)  $\alpha$

65-Tb-156

Radionuclide Production Cross Section



126

Incident Energy (MeV)

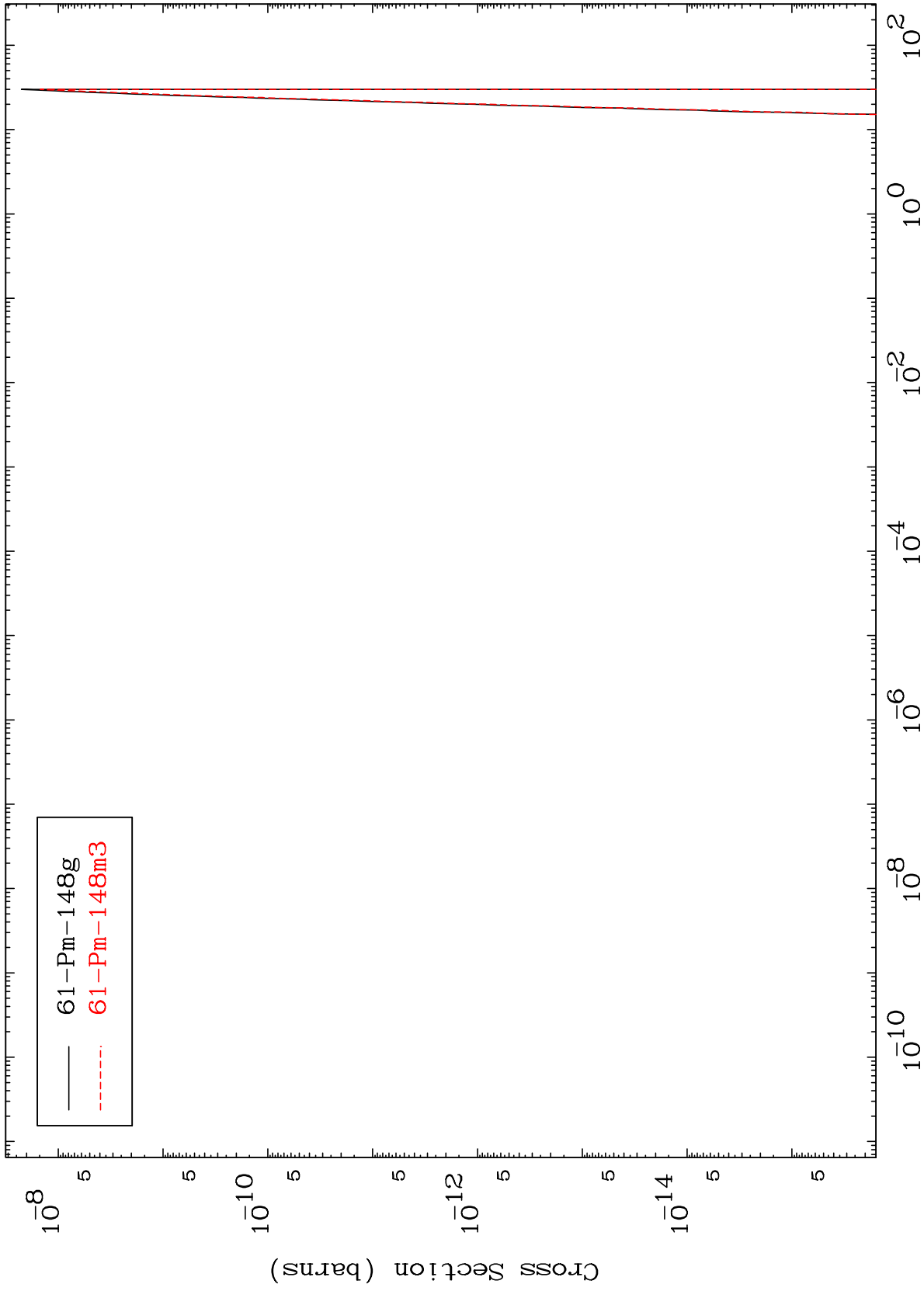
65-Tb-156

MAT 6516

(n,n') 2 $\alpha$

65-Tb-156

Radionuclide Production Cross Section



127

Incident Energy (MeV)

65-Tb-156

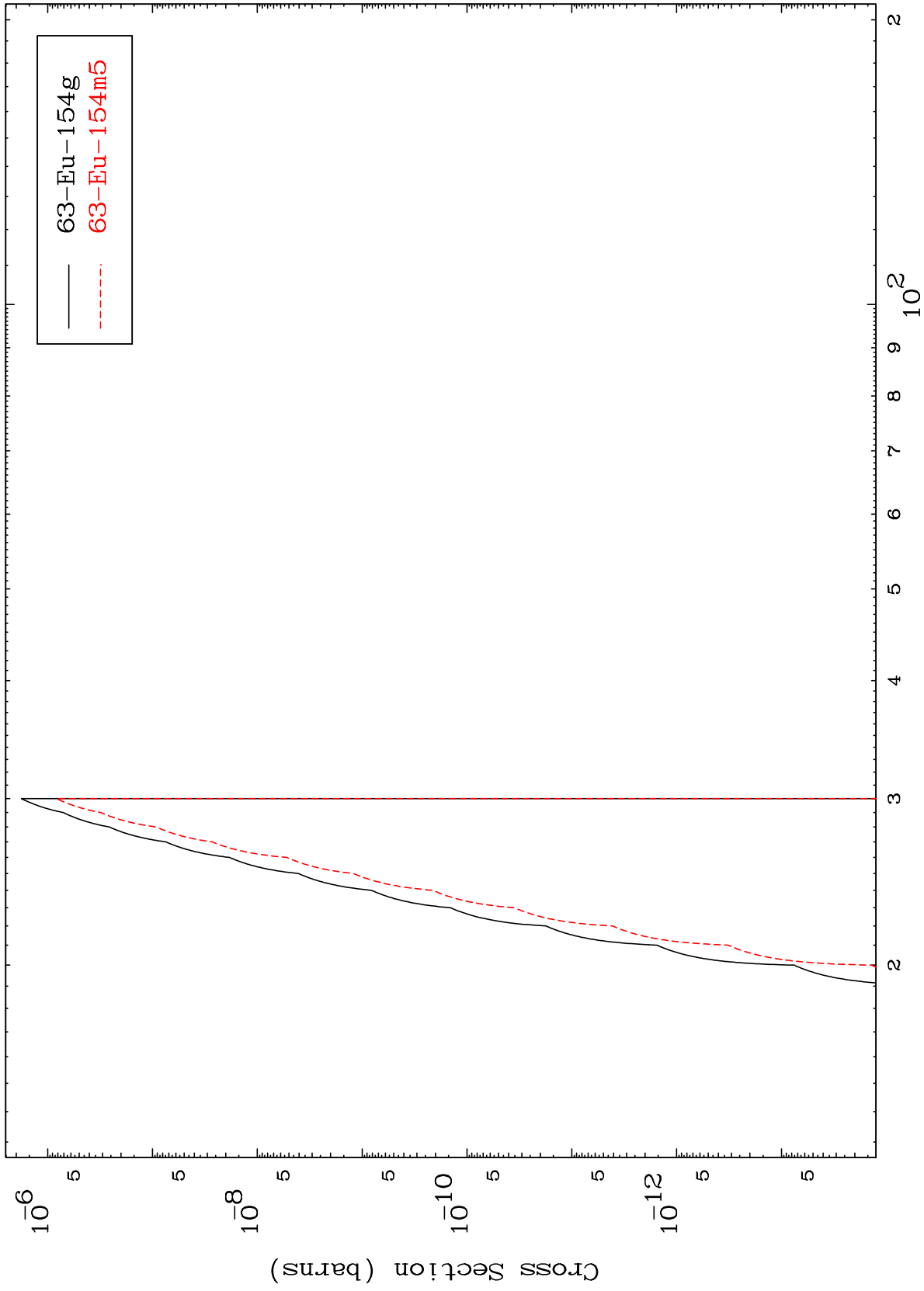


MAT 6516

(n,2n) p

65-Tb-156

Radionuclide Production Cross Section



128

Incident Energy (MeV)

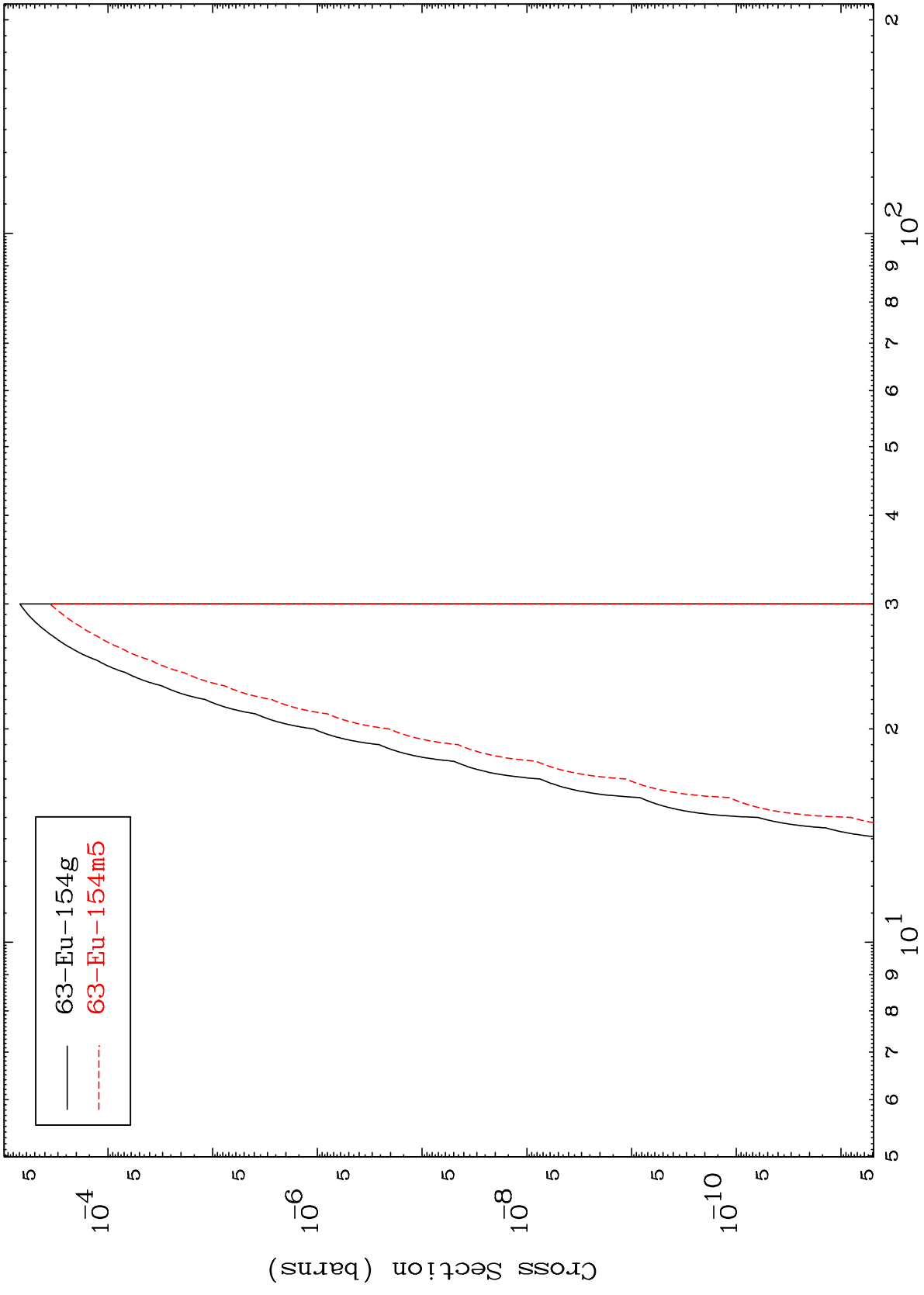
65-Tb-156

MAT 6516

(n, He-3)

65-Tb-156

Radionuclide Production Cross Section



63-Eu-154g  
63-Eu-154m5

129

Incident Energy (MeV)

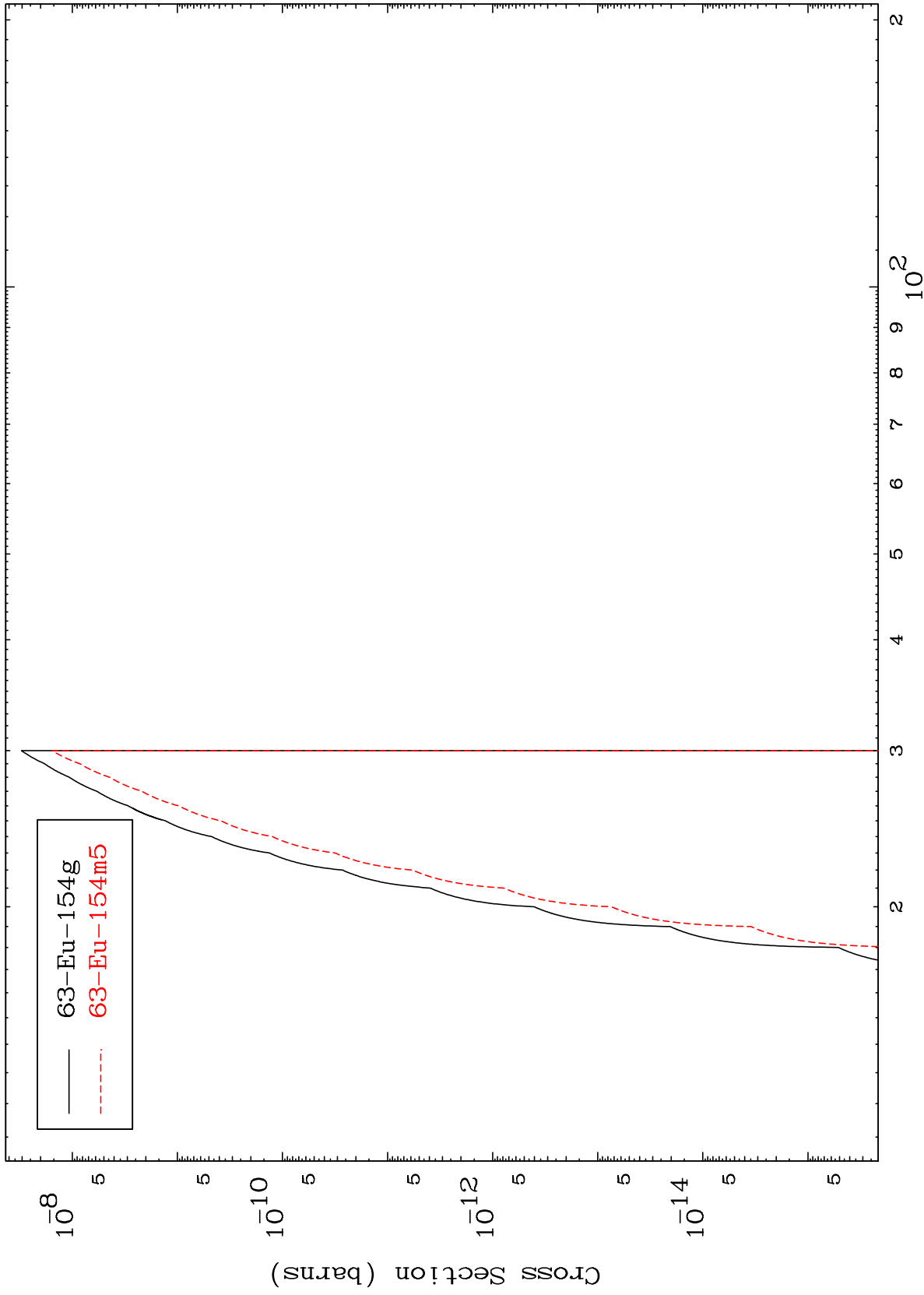
65-Tb-156

MAT 6516

(n,p) d

65-Tb-156

Radionuclide Production Cross Section



130

Incident Energy (MeV)

65-Tb-156