

Program EVALPLOT  
(Version 2018-1)

by

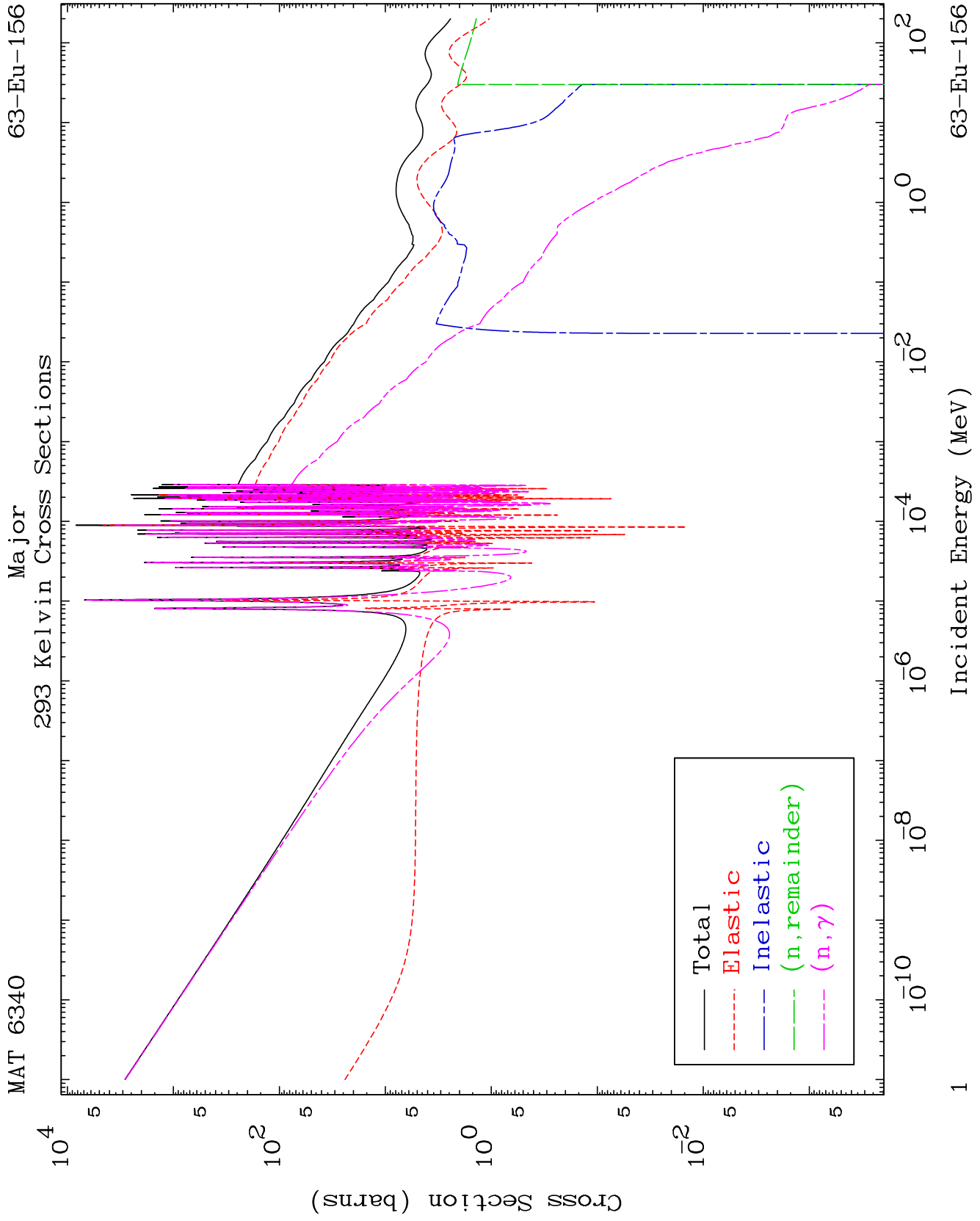
Dermott E. Cullen  
(Present Contact Information)

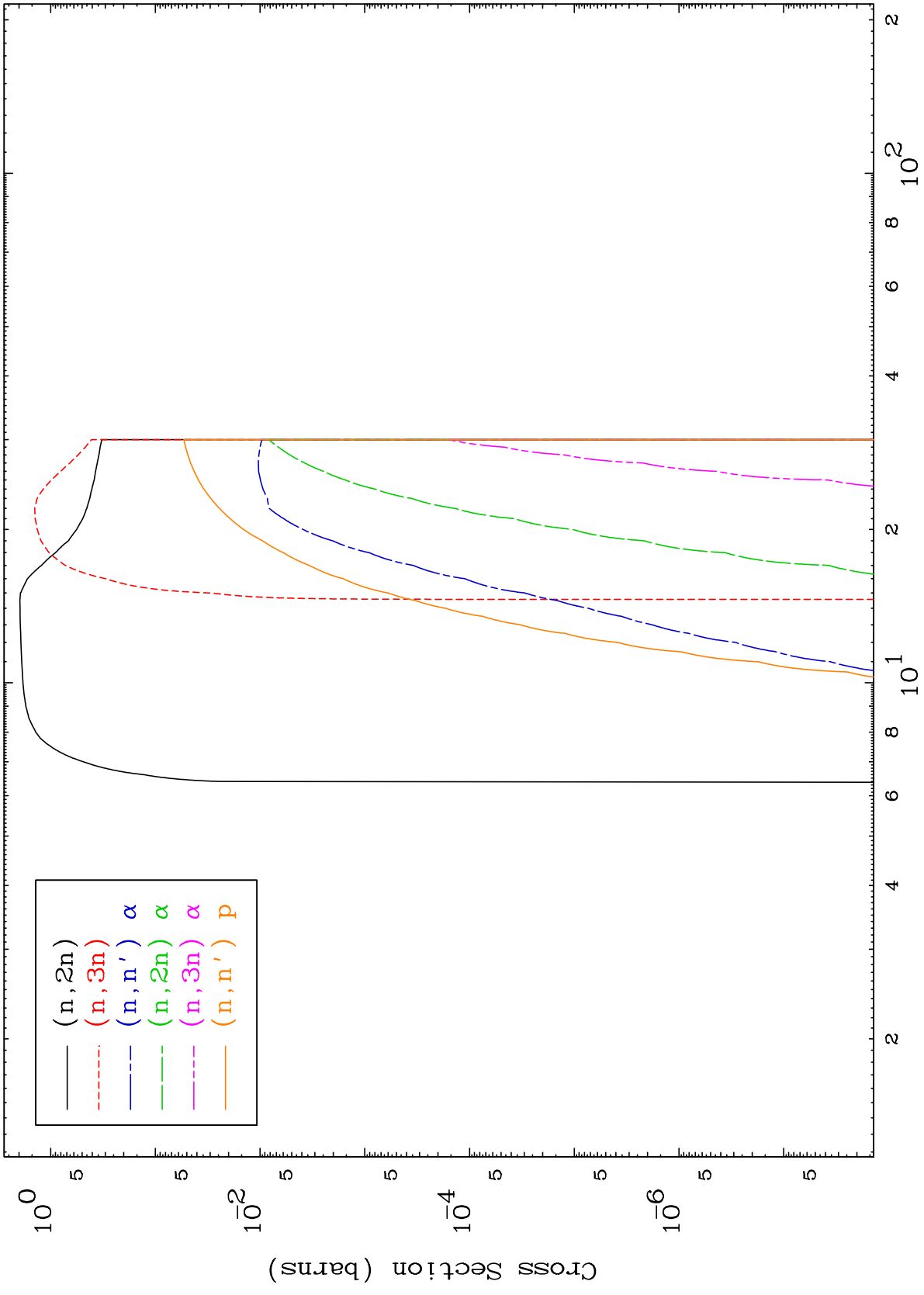
Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

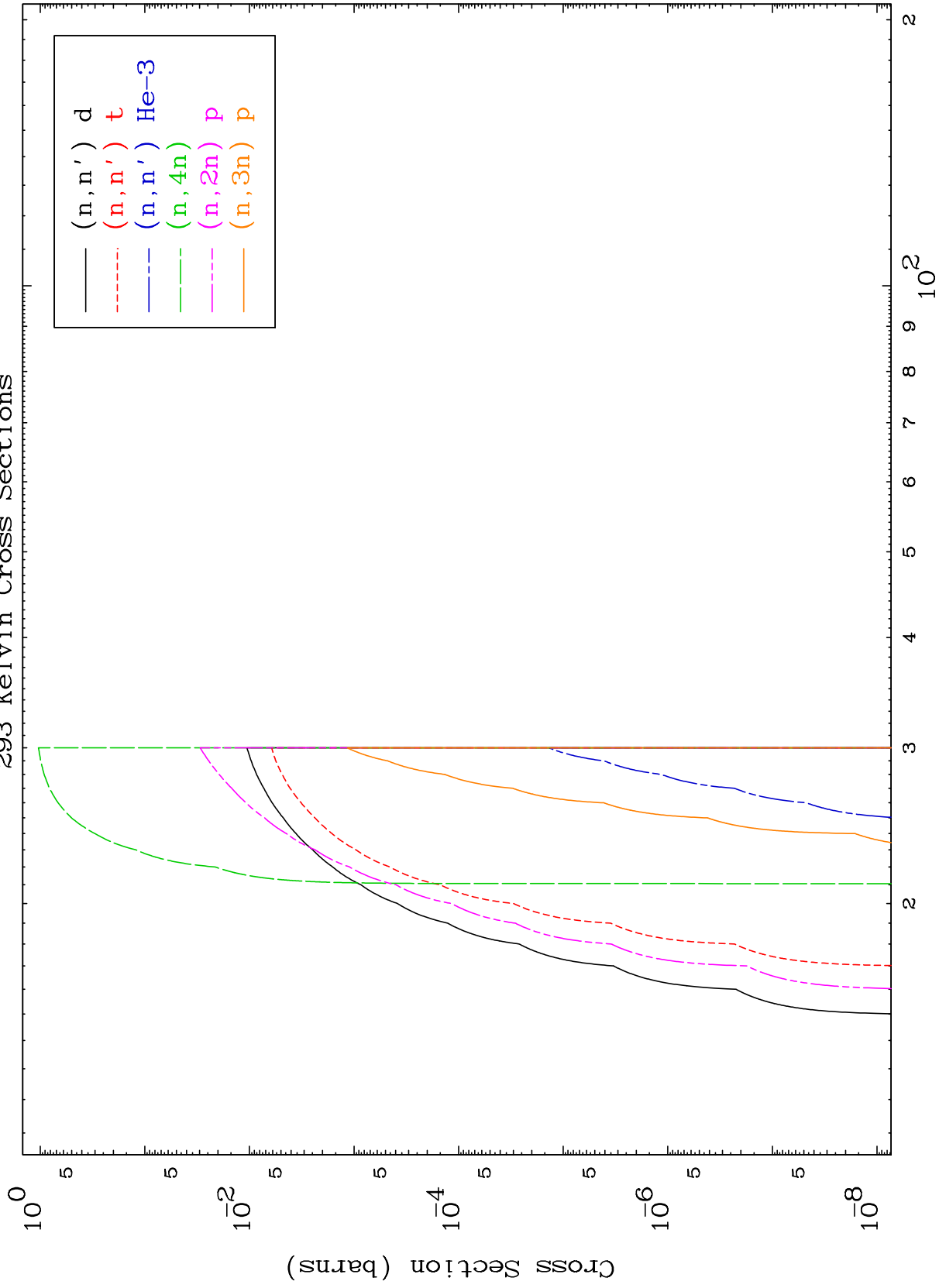
Tele: 925-443-1911

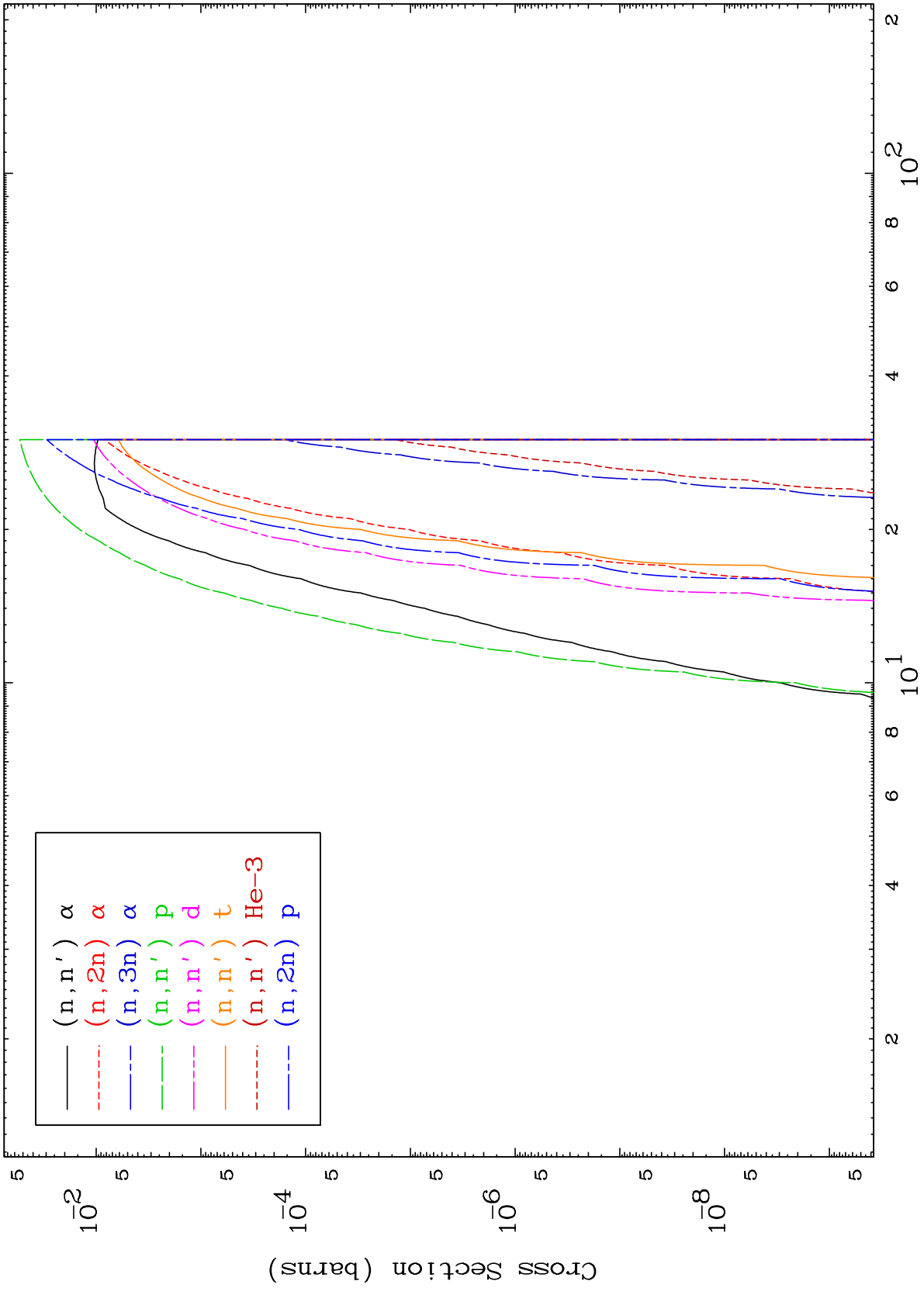
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start





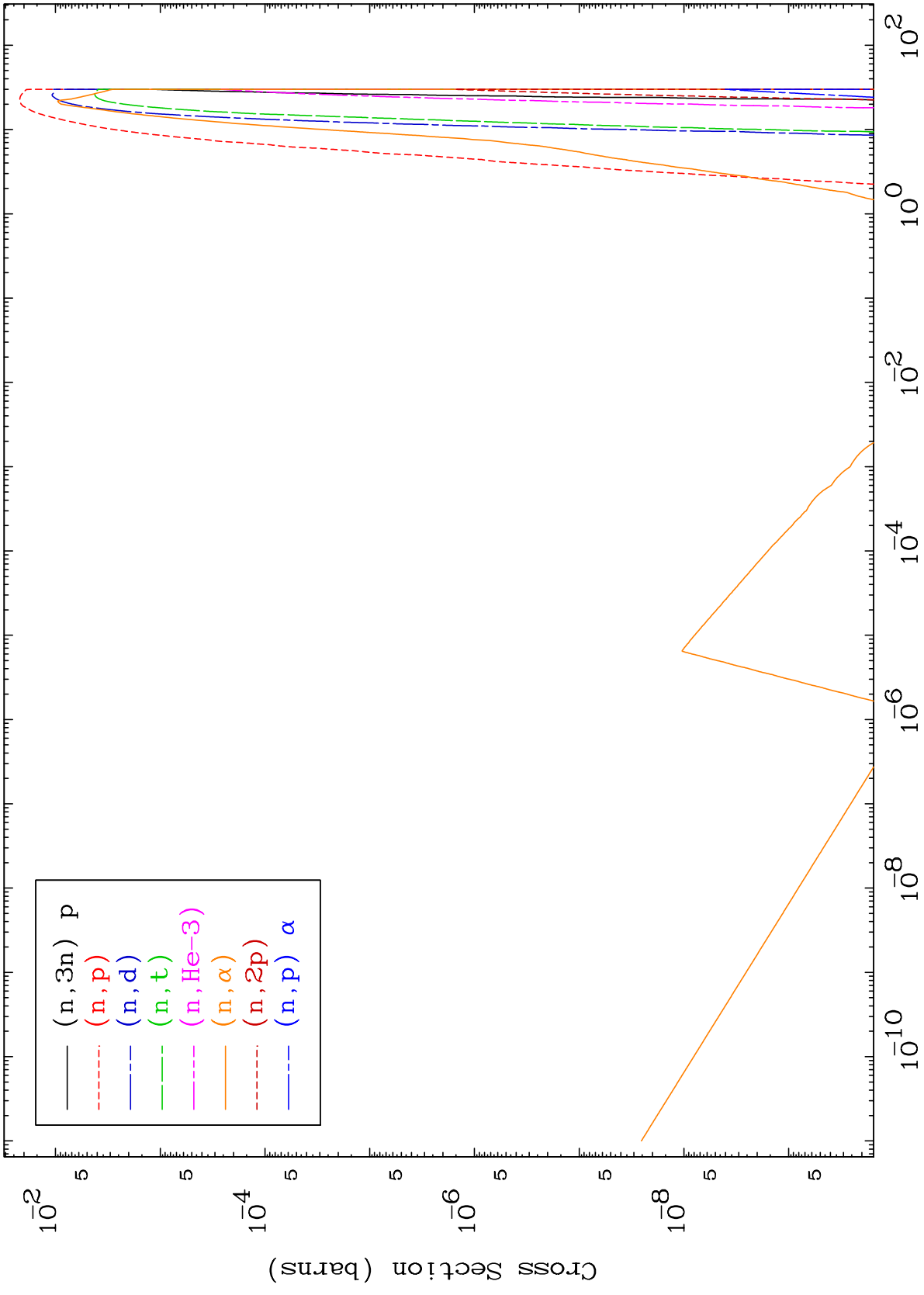




MAT 6340

Charged Particle  
293 Kelvin Cross Sections

63-Eu-156



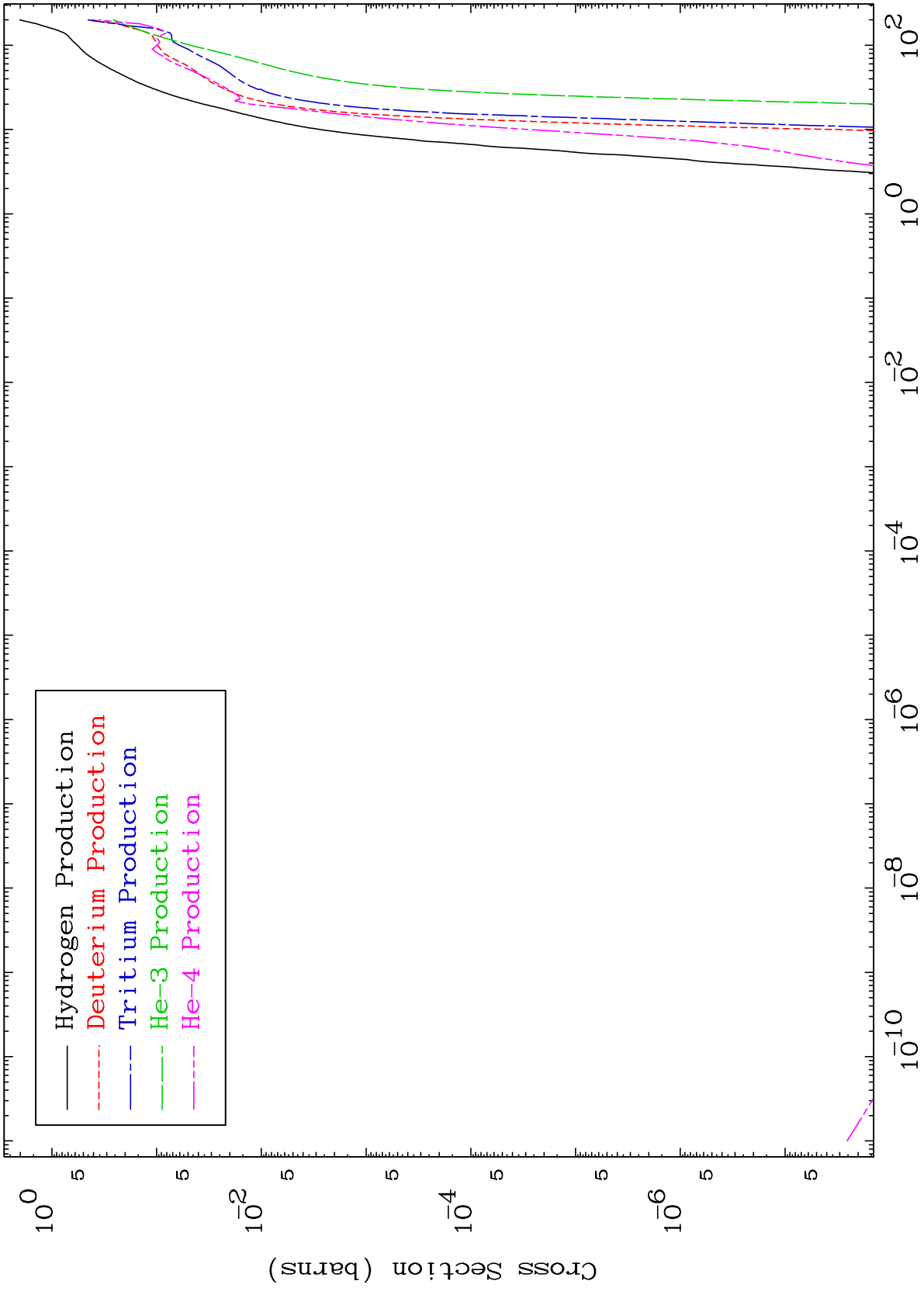
5

63-Eu-156

MAT 6340

Particle Production  
293 Kelvin Cross Sections

63-Eu-156



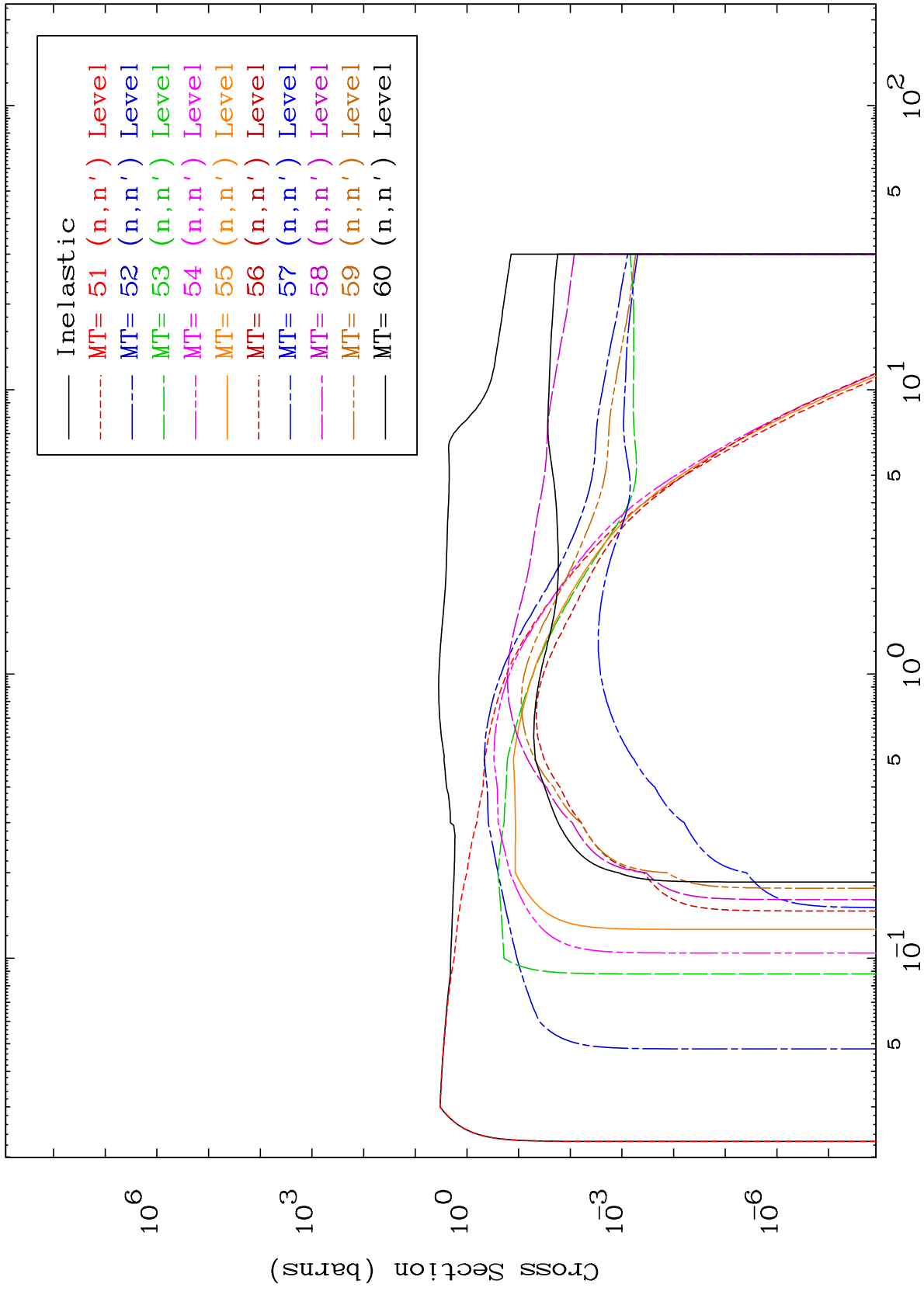
63-Eu-156

MAT 6340

(n,n') Level

63-Eu-156

293 Kelvin Cross Sections



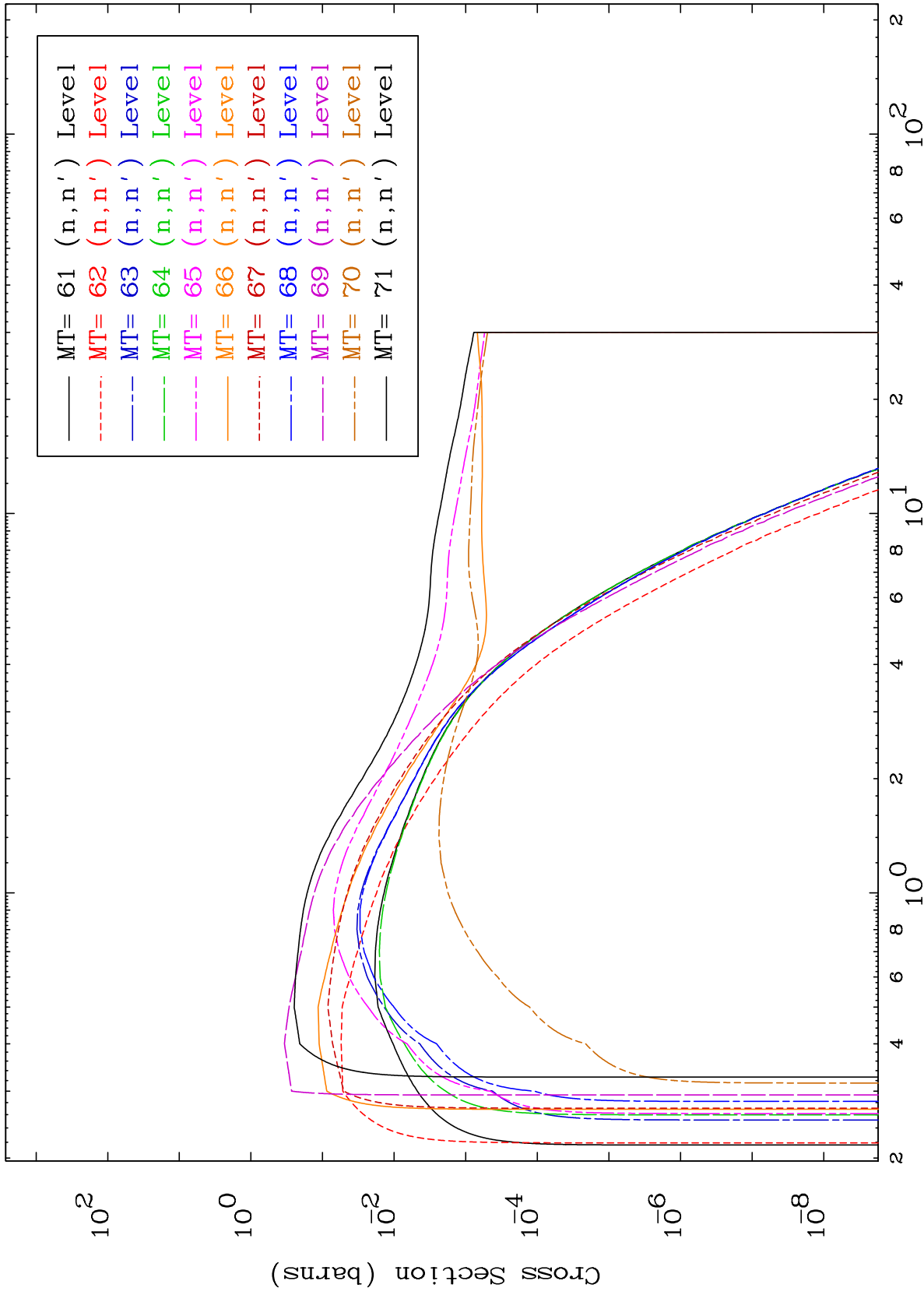


MAT 6340

(n,n') Level

63-Eu-156

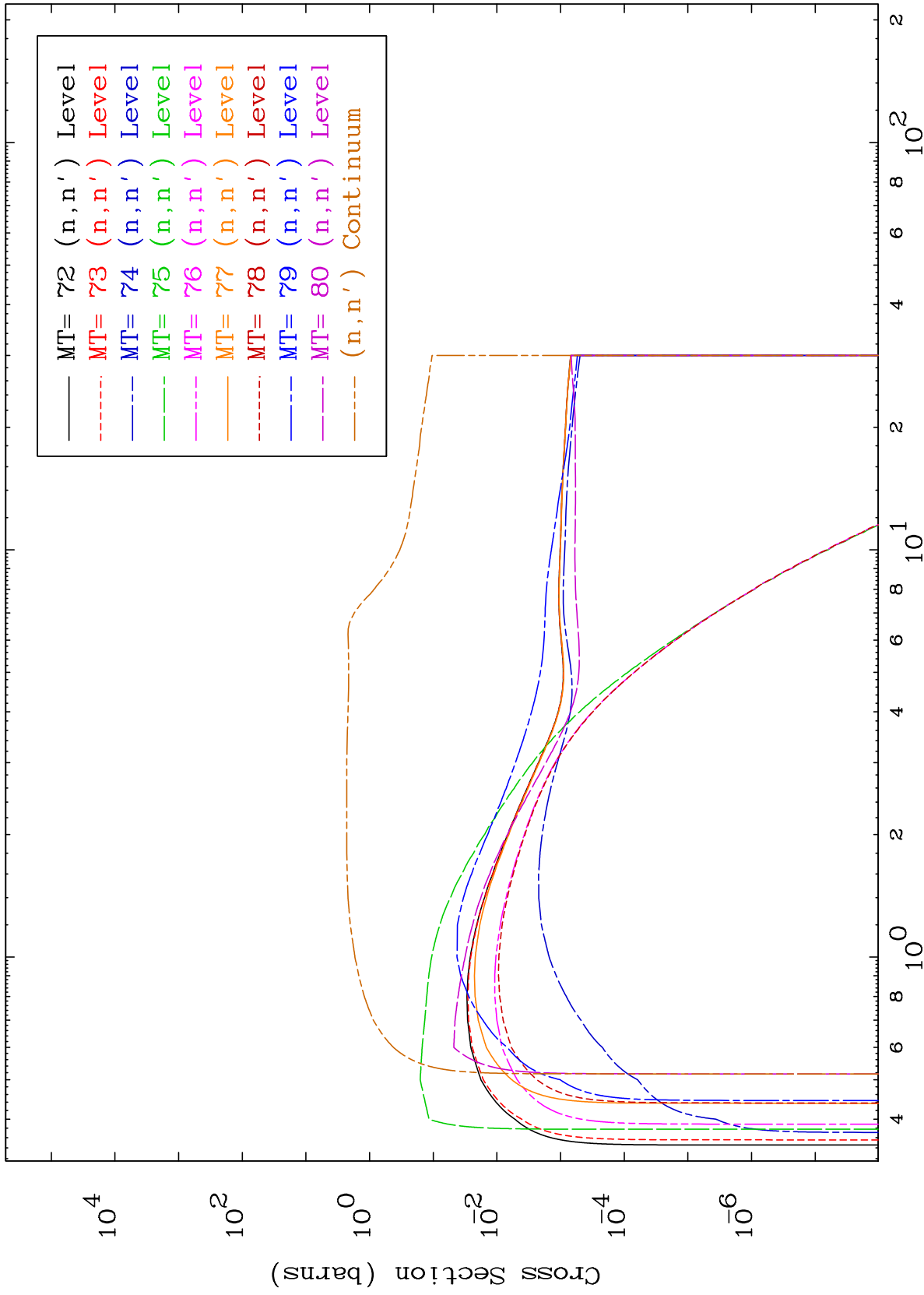
293 Kelvin Cross Sections



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Incident Energy (MeV)

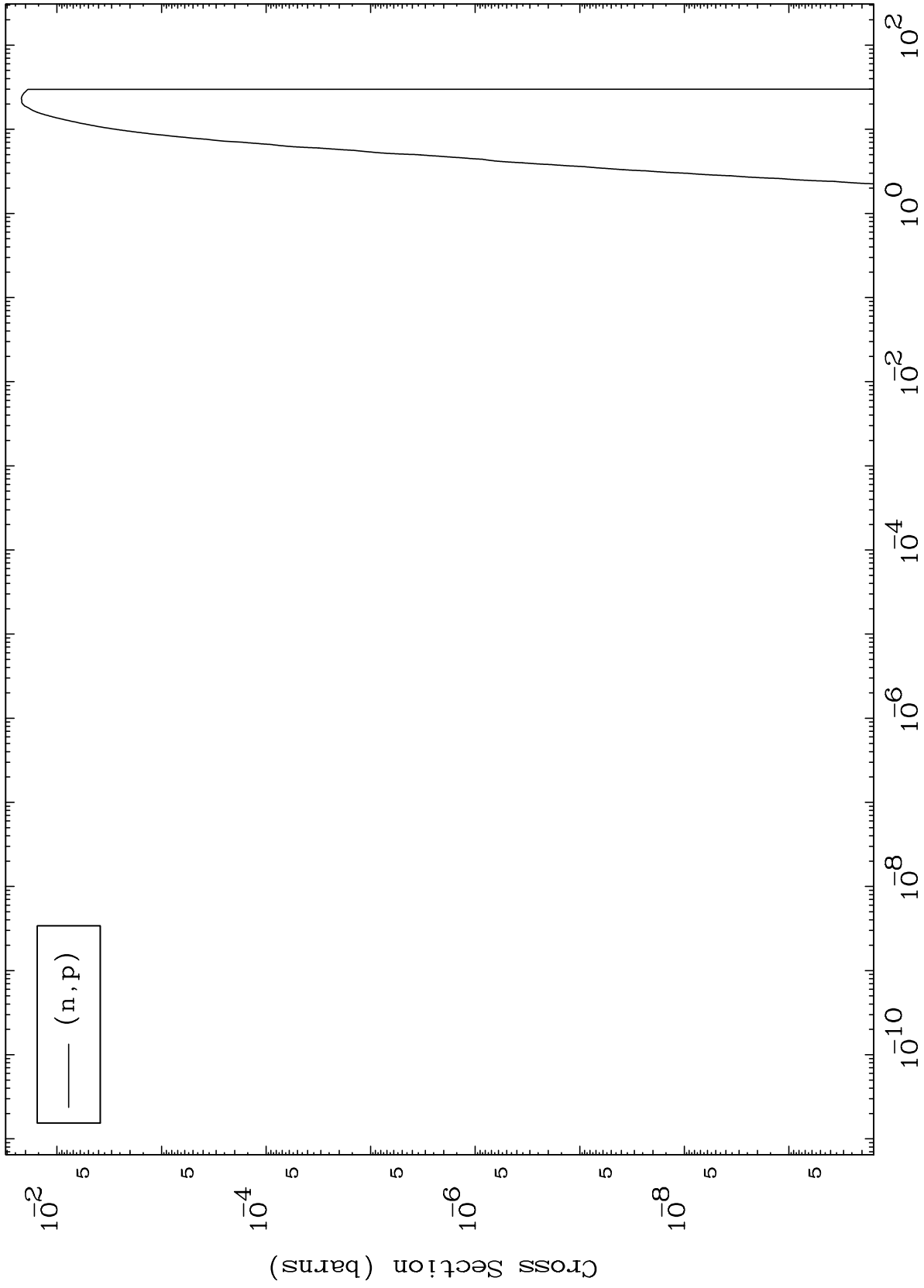
63-Eu-156



MAT 6340

(n,p) Levels  
293 Kelvin Cross Sections

63-Eu-156



10

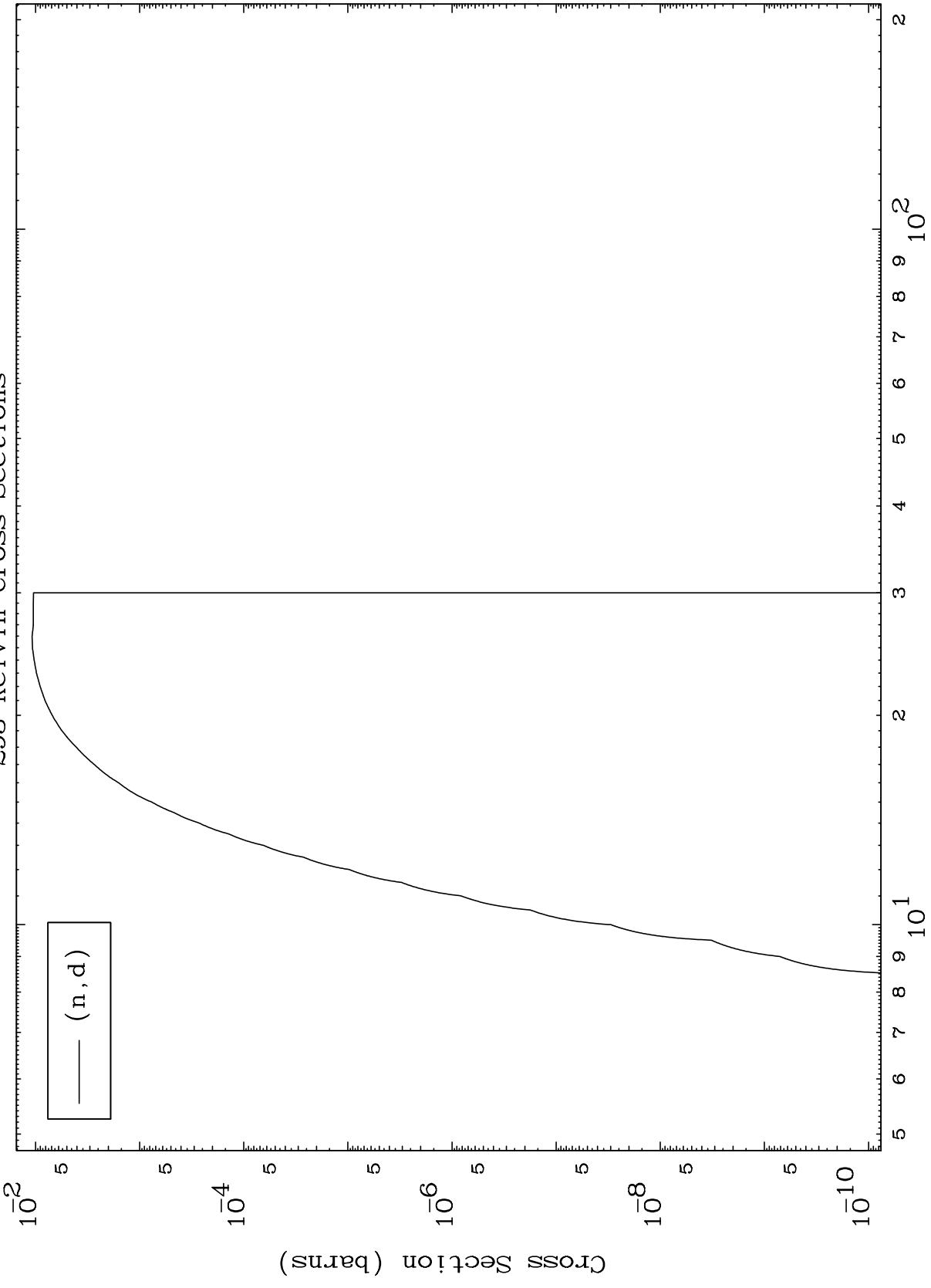
Incident Energy (MeV)

63-Eu-156

MAT 6340

(n,d) Levels  
293 Kelvin Cross Sections

63-Eu-156



11

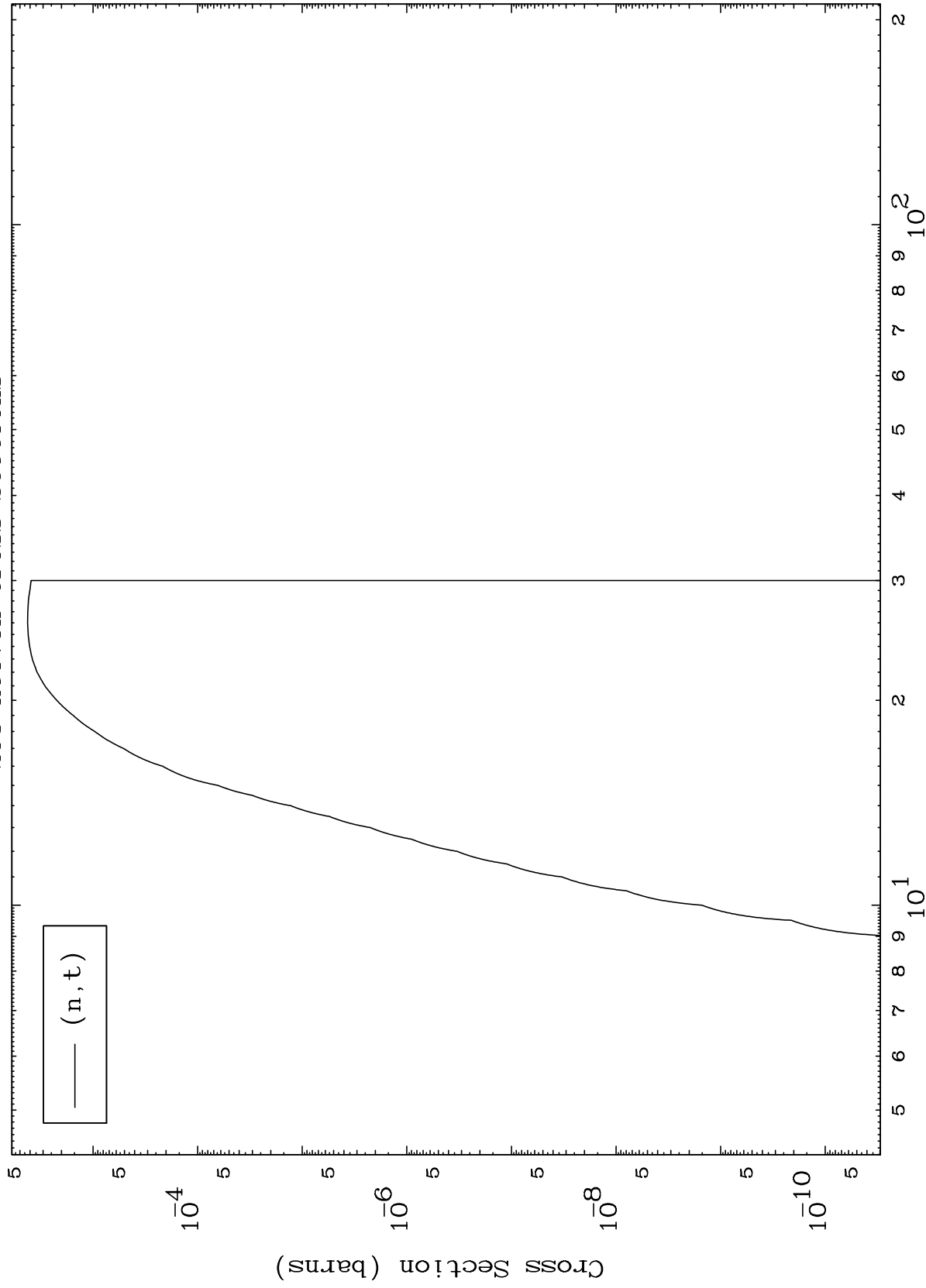
Incident Energy (MeV)

63-Eu-156

MAT 6340

(n,t) Levels  
293 Kelvin Cross Sections

63-Eu-156



12

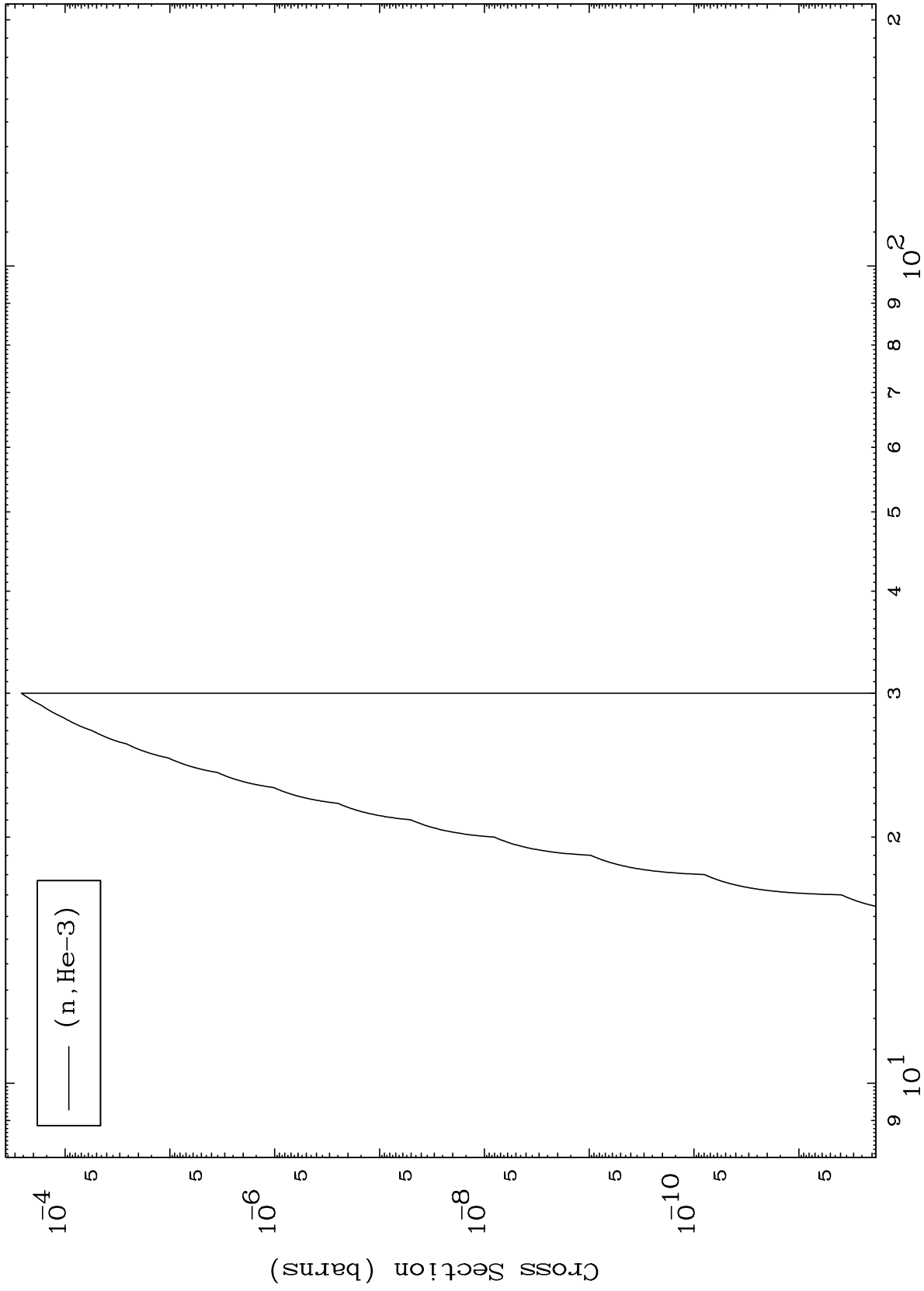
Incident Energy (MeV)

63-Eu-156

MAT 6340

(n,He3) Levels  
293 Kelvin Cross Sections

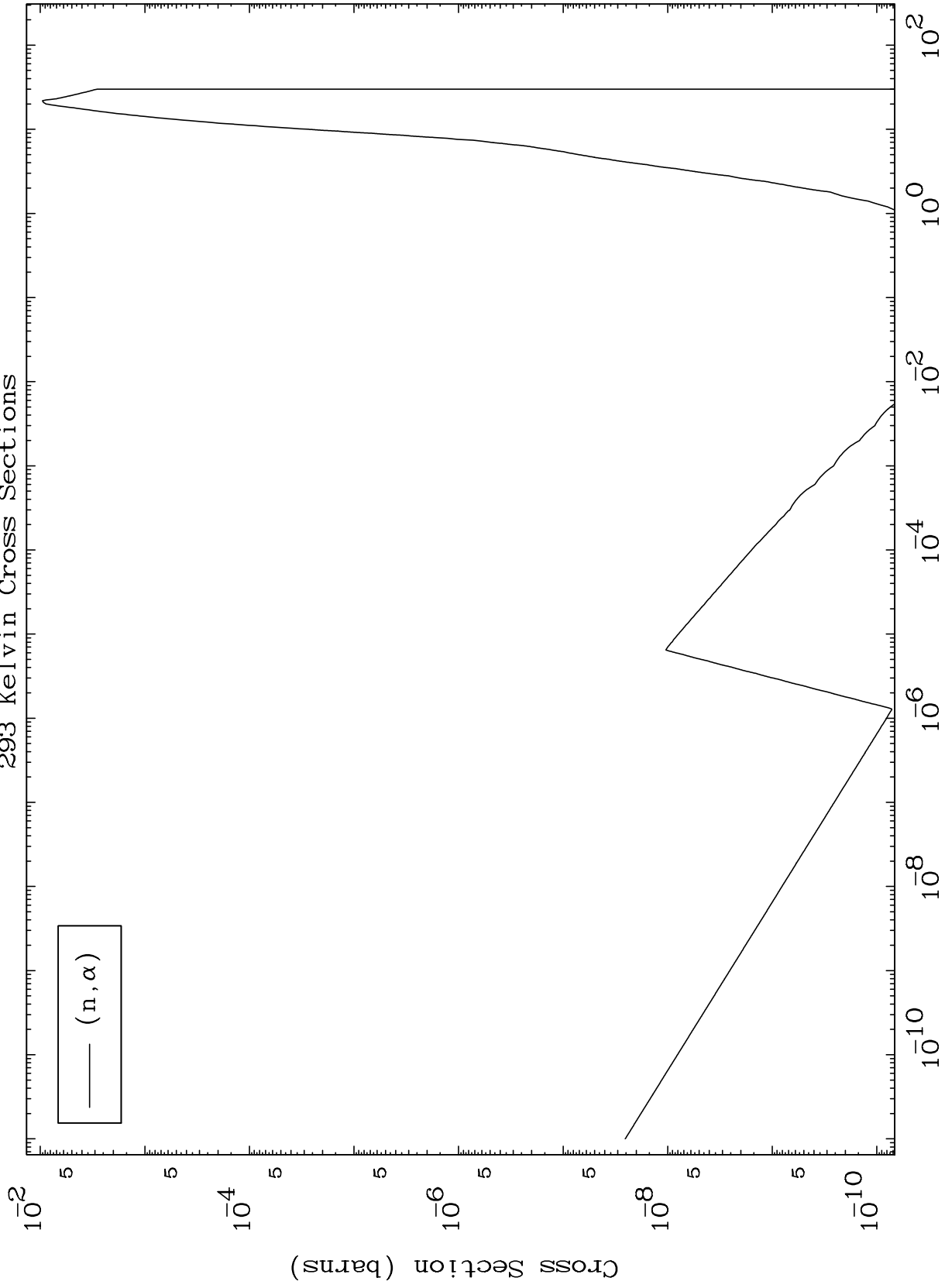
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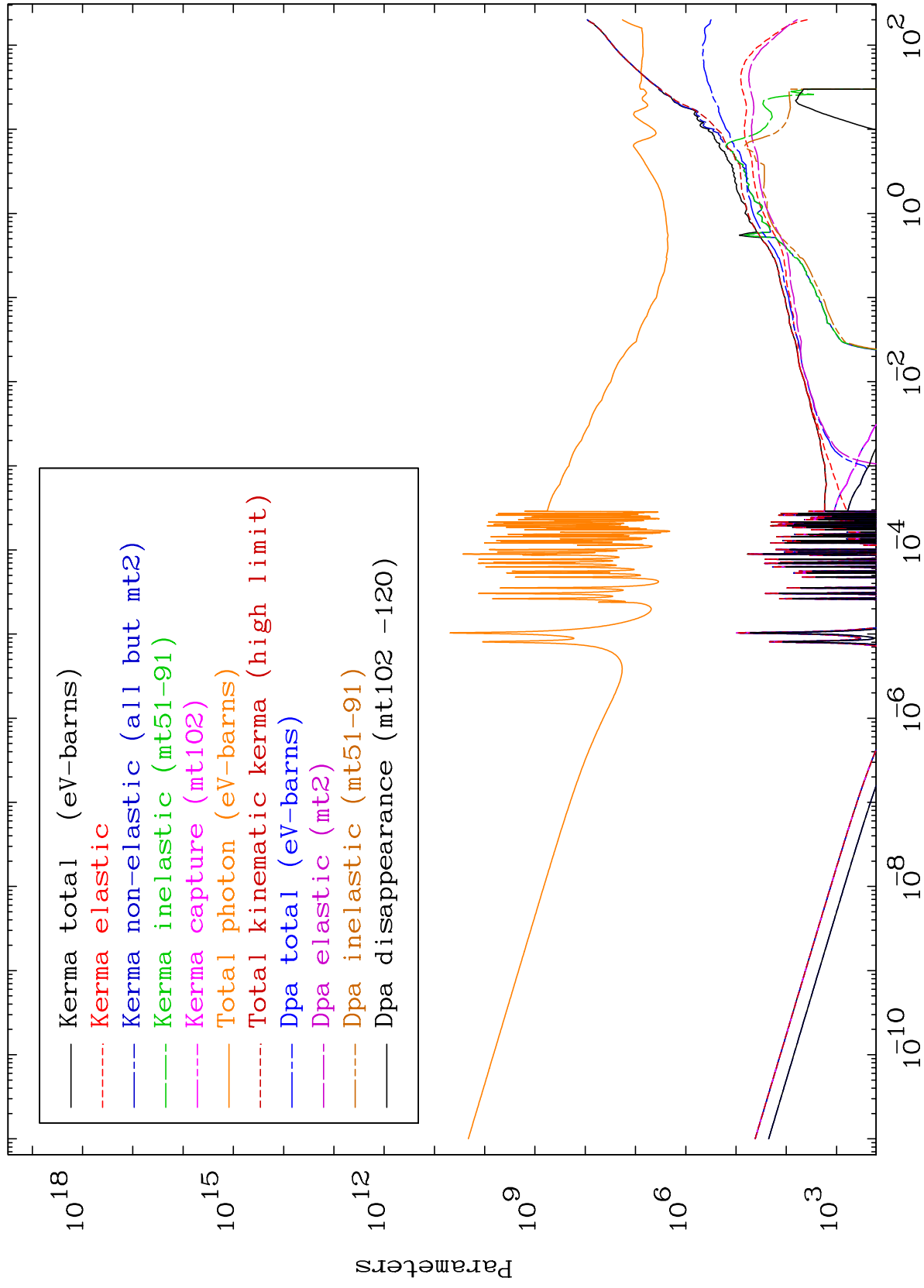


MAT 6340

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

63-Eu-156



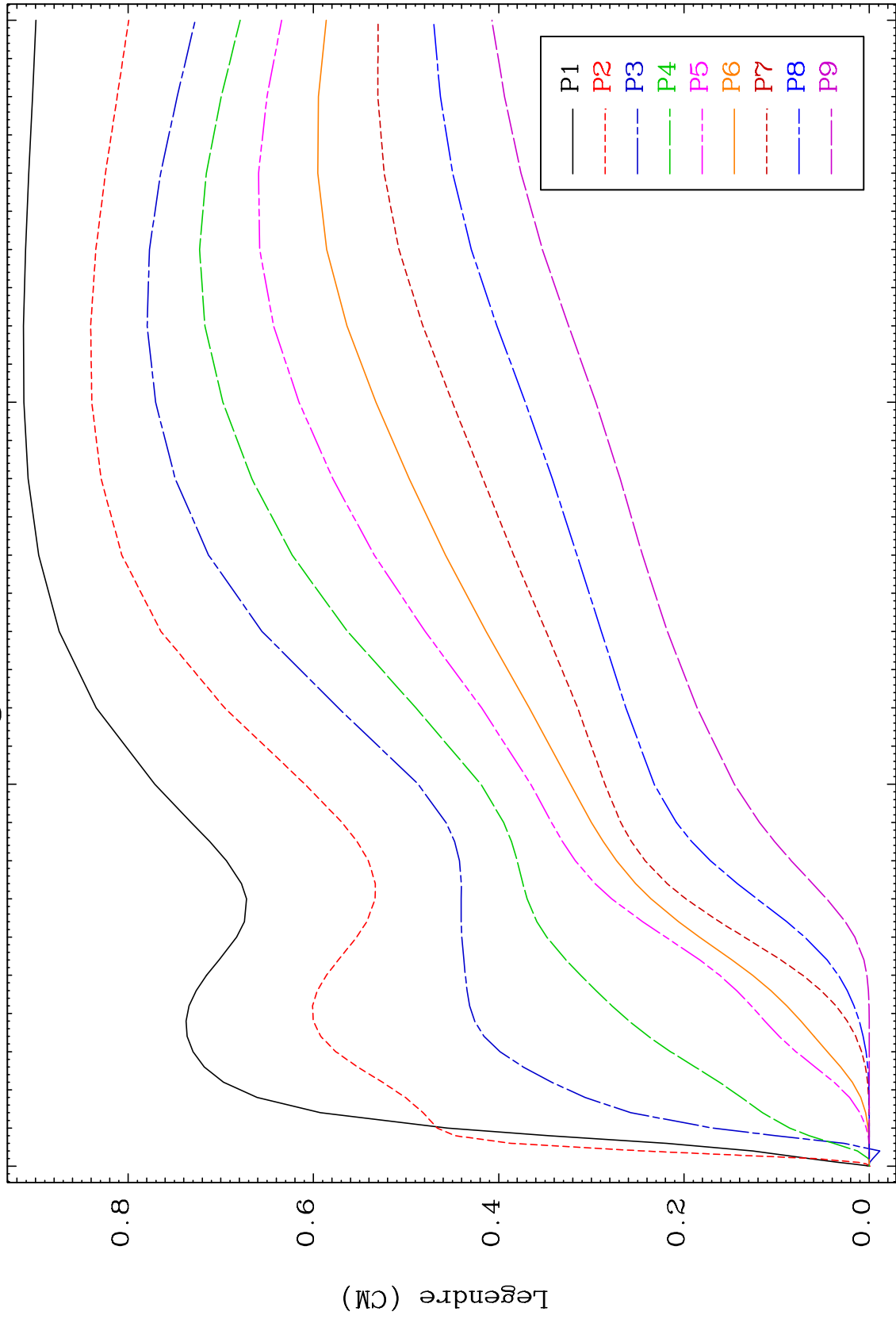




MAT 6340

Elastic Legendre Coefficients

63-Eu-156



16

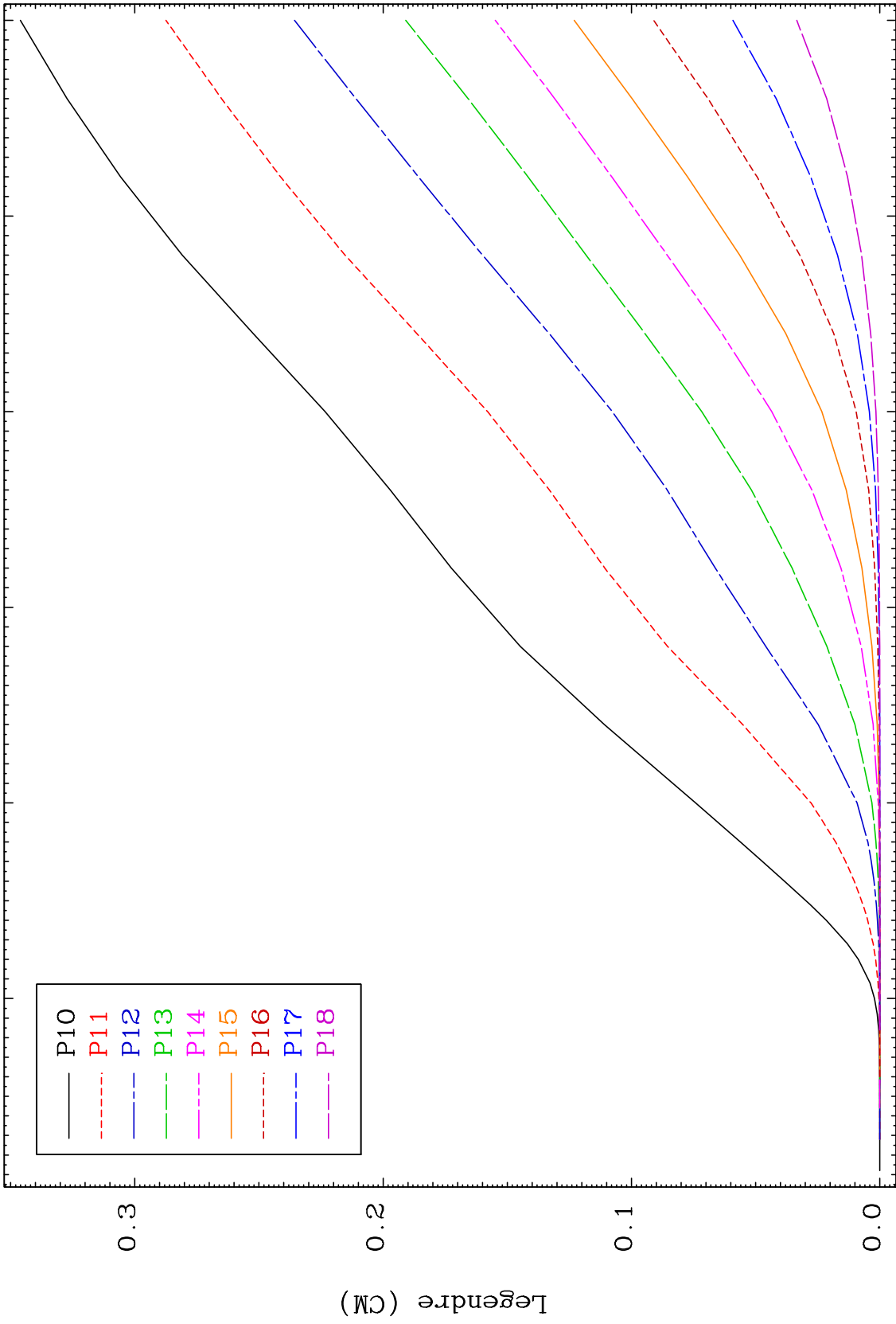
Incident Energy (MeV)

63-Eu-156

MAT 6340

Elastic Legendre Coefficients

63-Eu-156



17

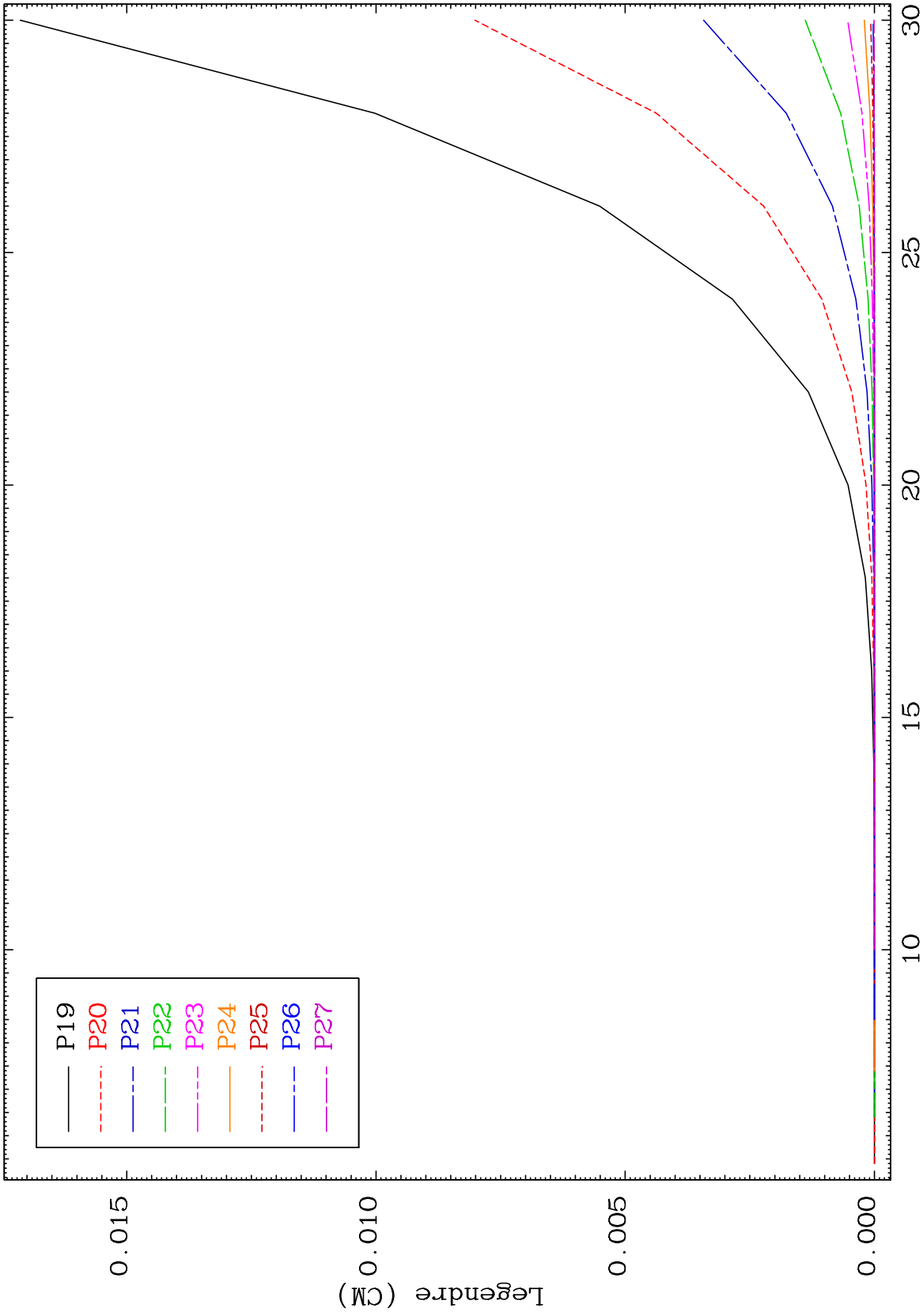
Incident Energy (MeV)

63-Eu-156

MAT 6340

### Elastic Legendre Coefficients

63-Eu-156



18

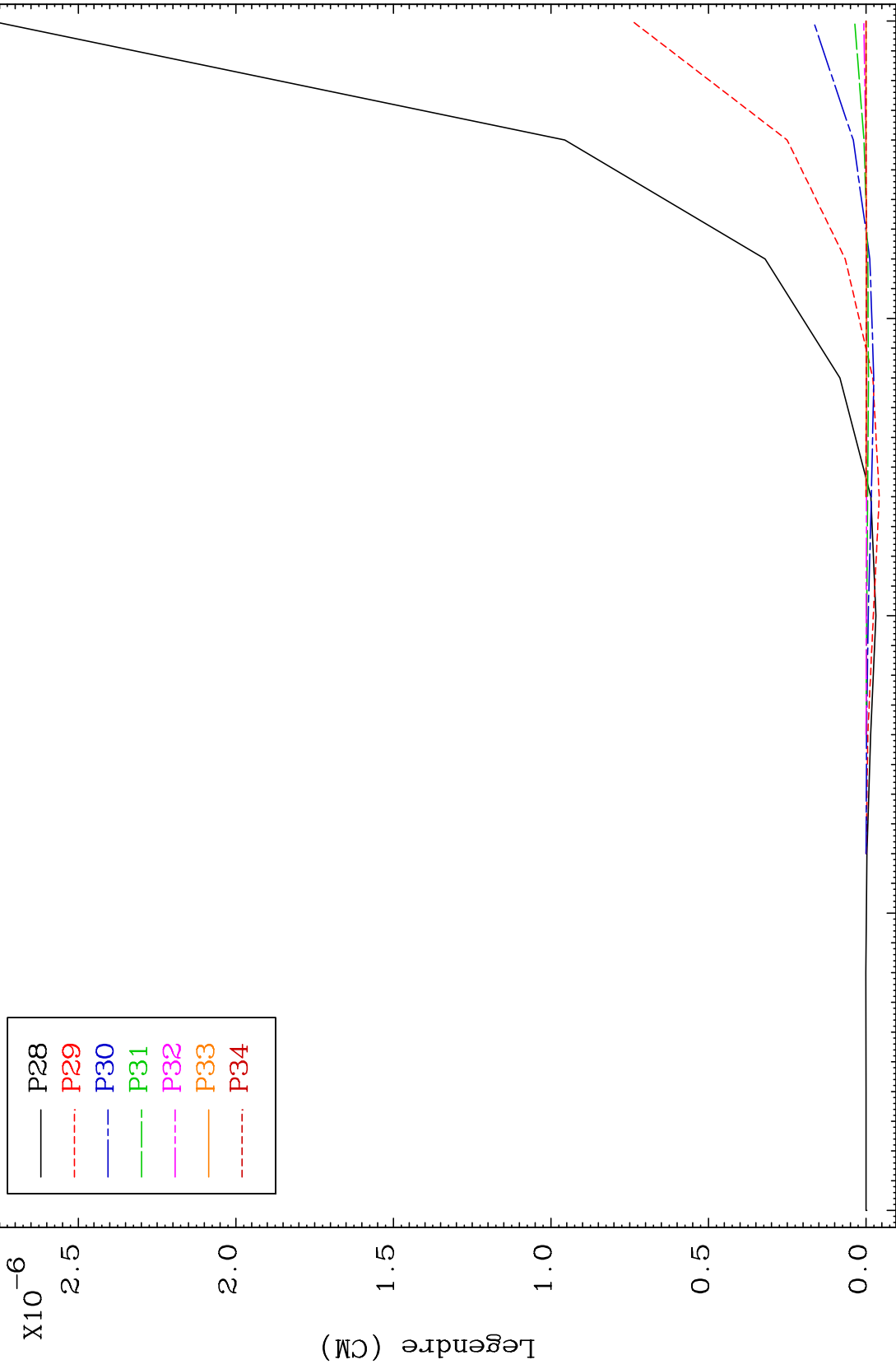
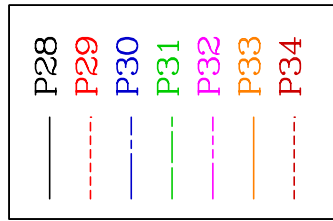
Incident Energy (MeV)

63-Eu-156

MAT 6340

Elastic Legendre Coefficients

63-Eu-156

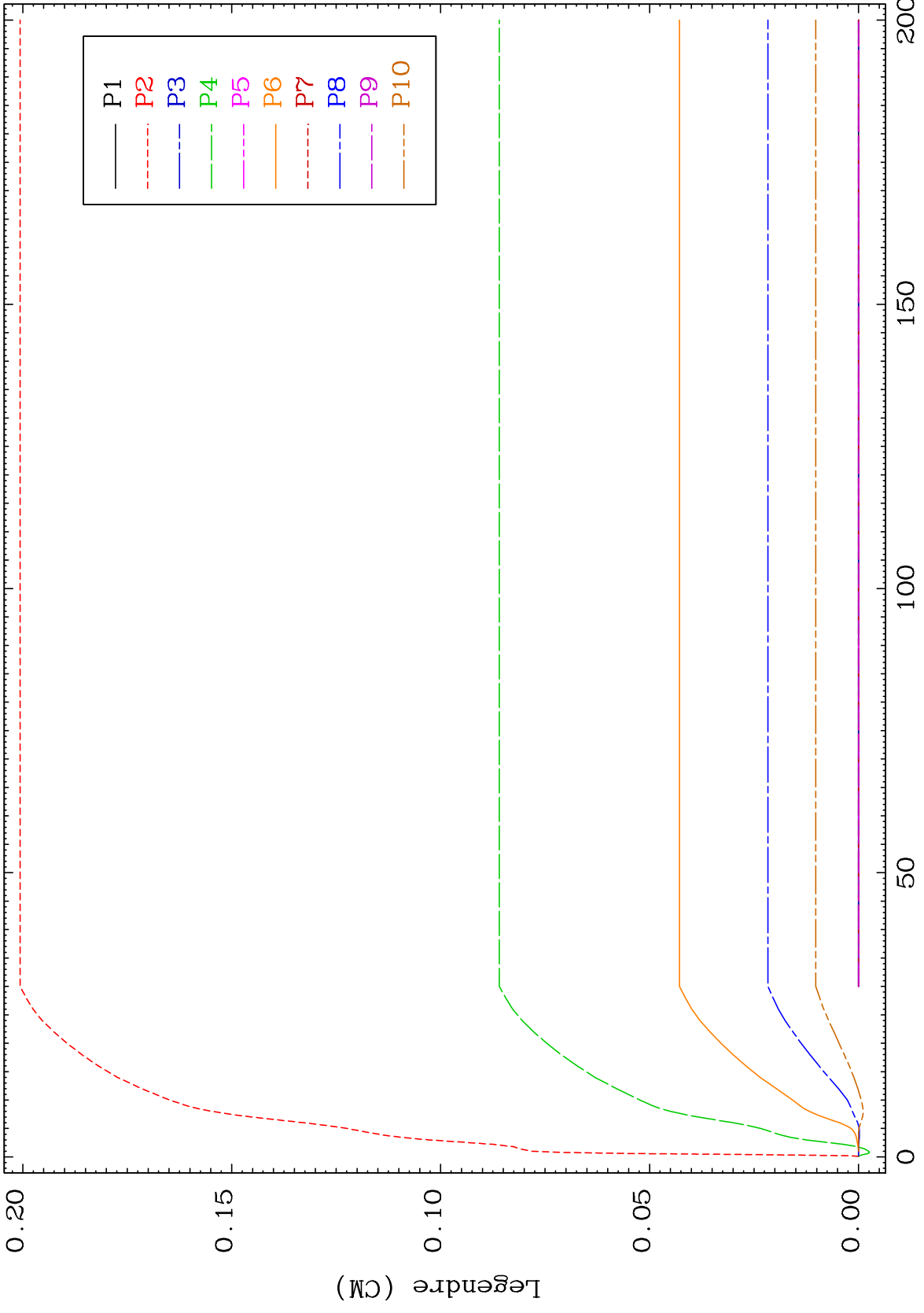


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Incident Energy (MeV)

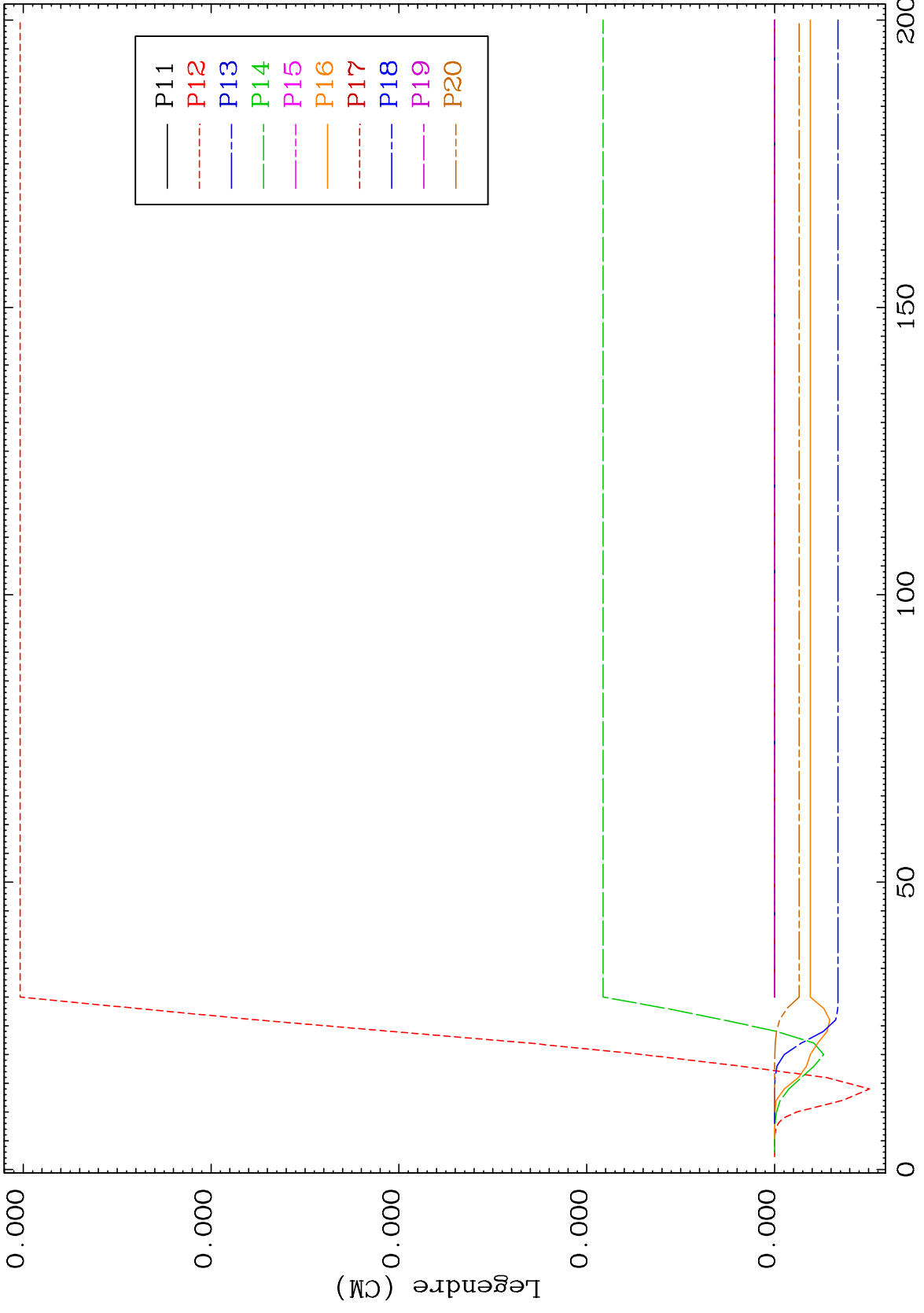
63-Eu-156

MAT 6340 MT= 51 (n,n') Level Legendre Coefficients 63-Eu-156



63-Eu-156

MAT 6340 MT= 51 (n,n') Level Legendre Coefficients 63-Eu-156

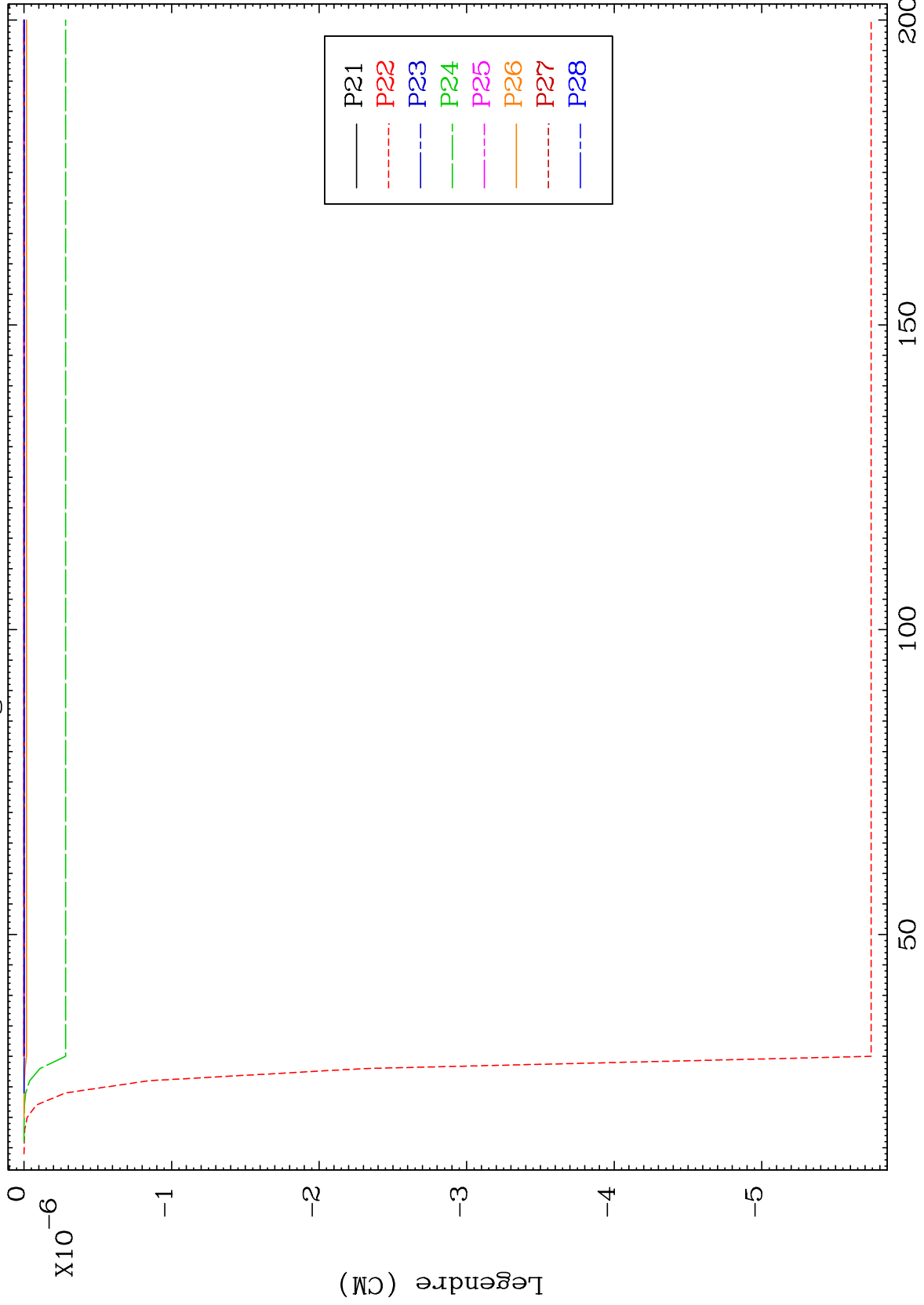


21 63-Eu-156

MAT 6340

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

63-Eu-156



22

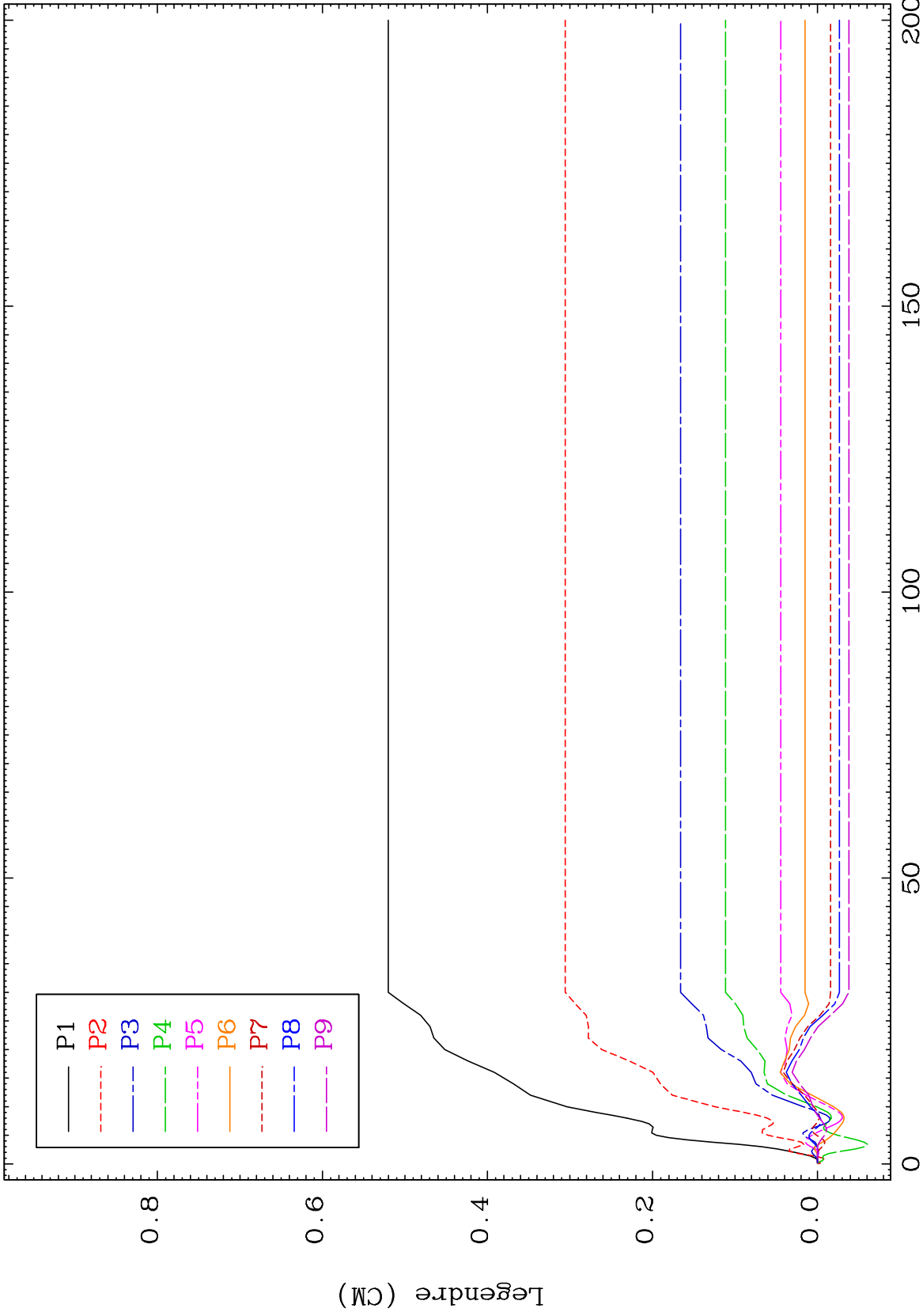
63-Eu-156

63-Eu-156

MAT 6340

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

63-Eu-156



23

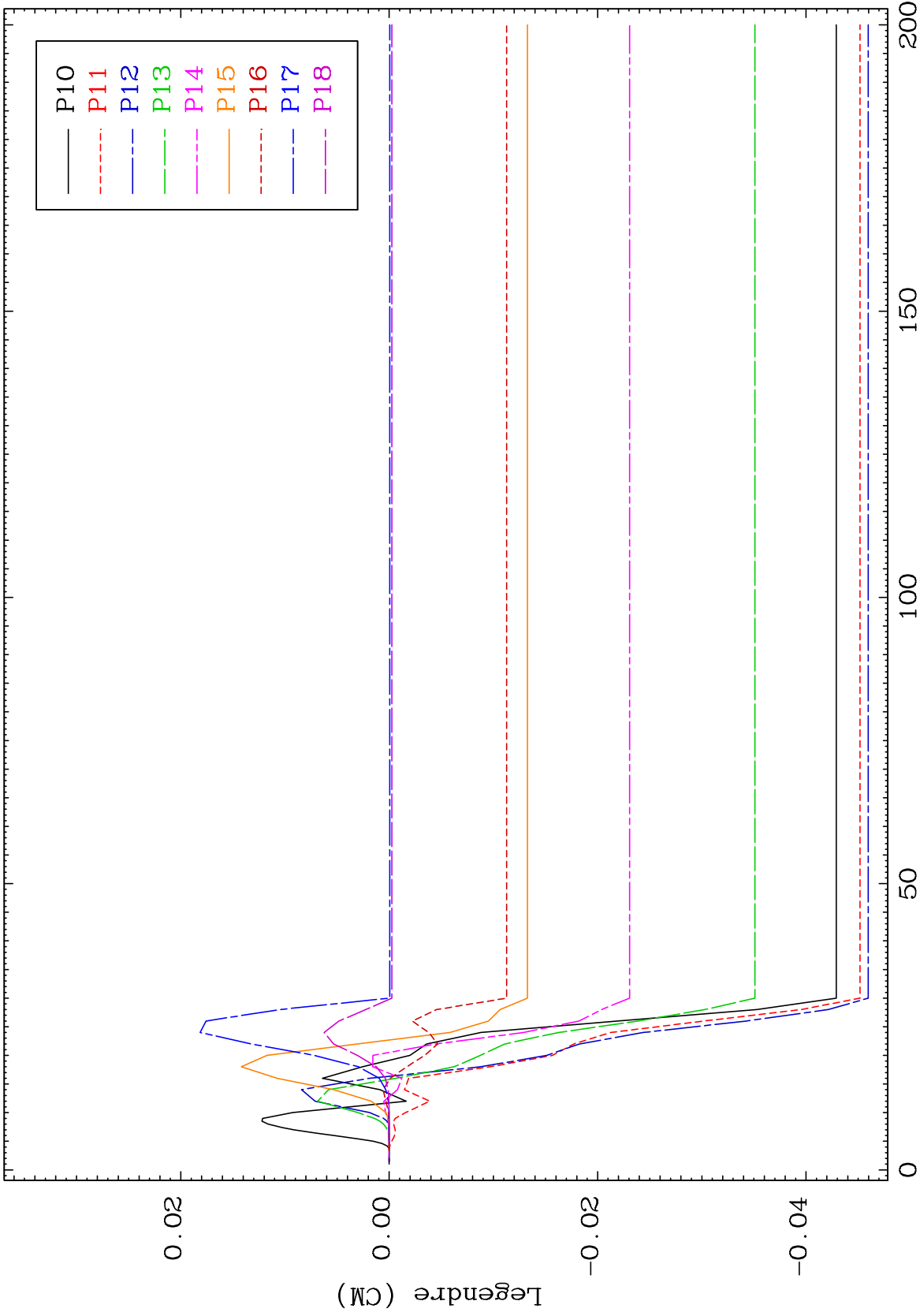
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MAT 6340

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

63-Eu-156



24

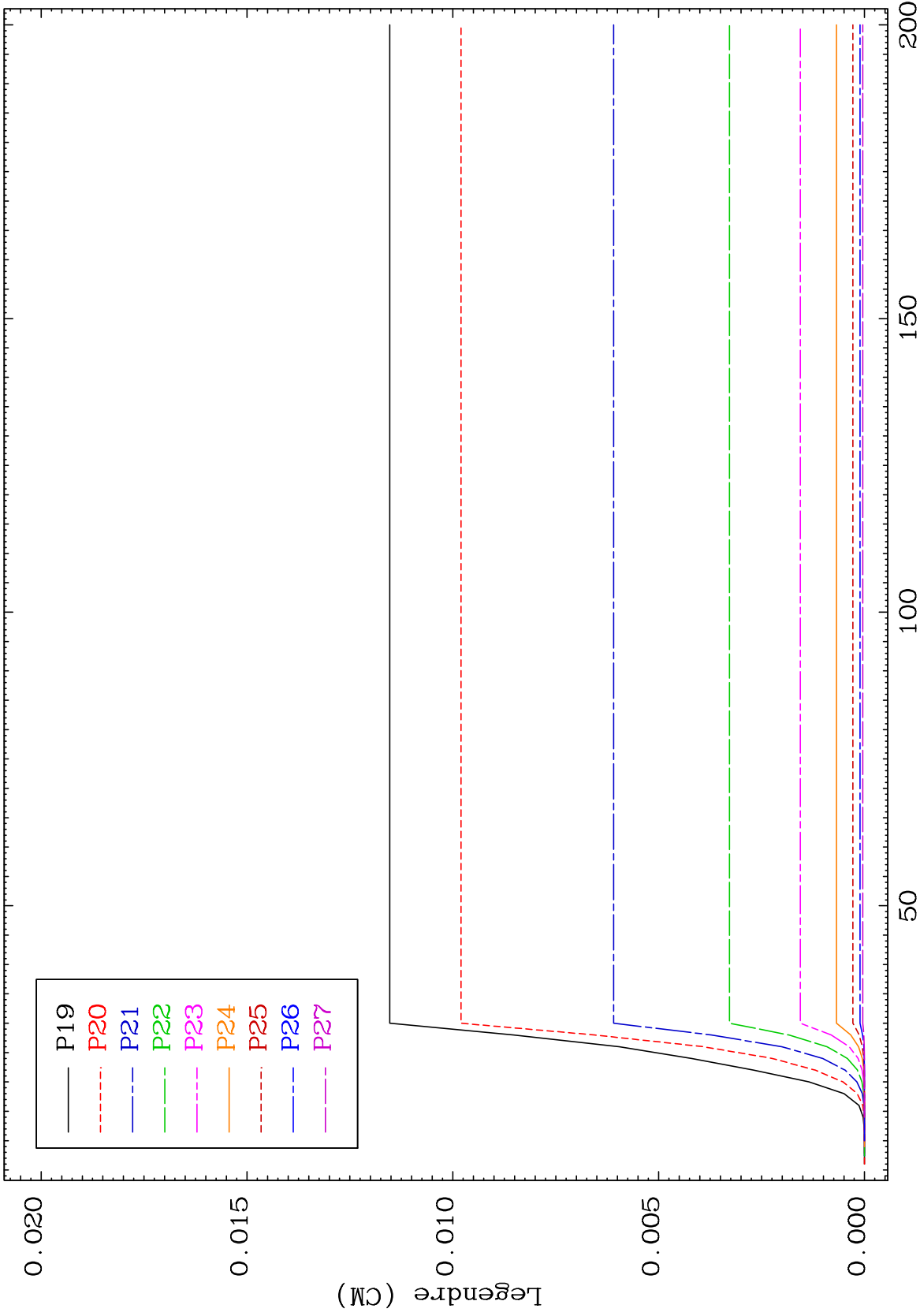
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



25

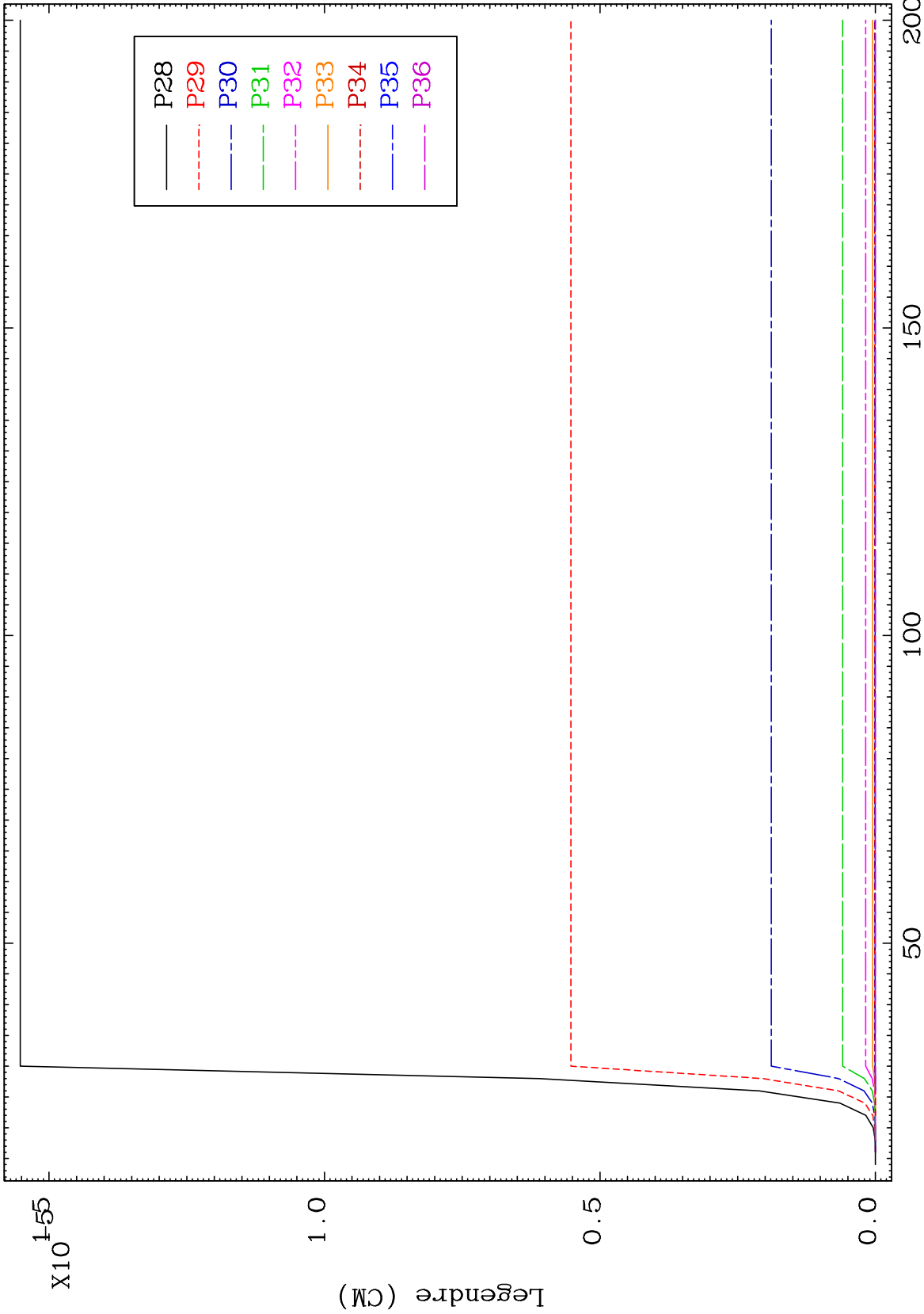
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



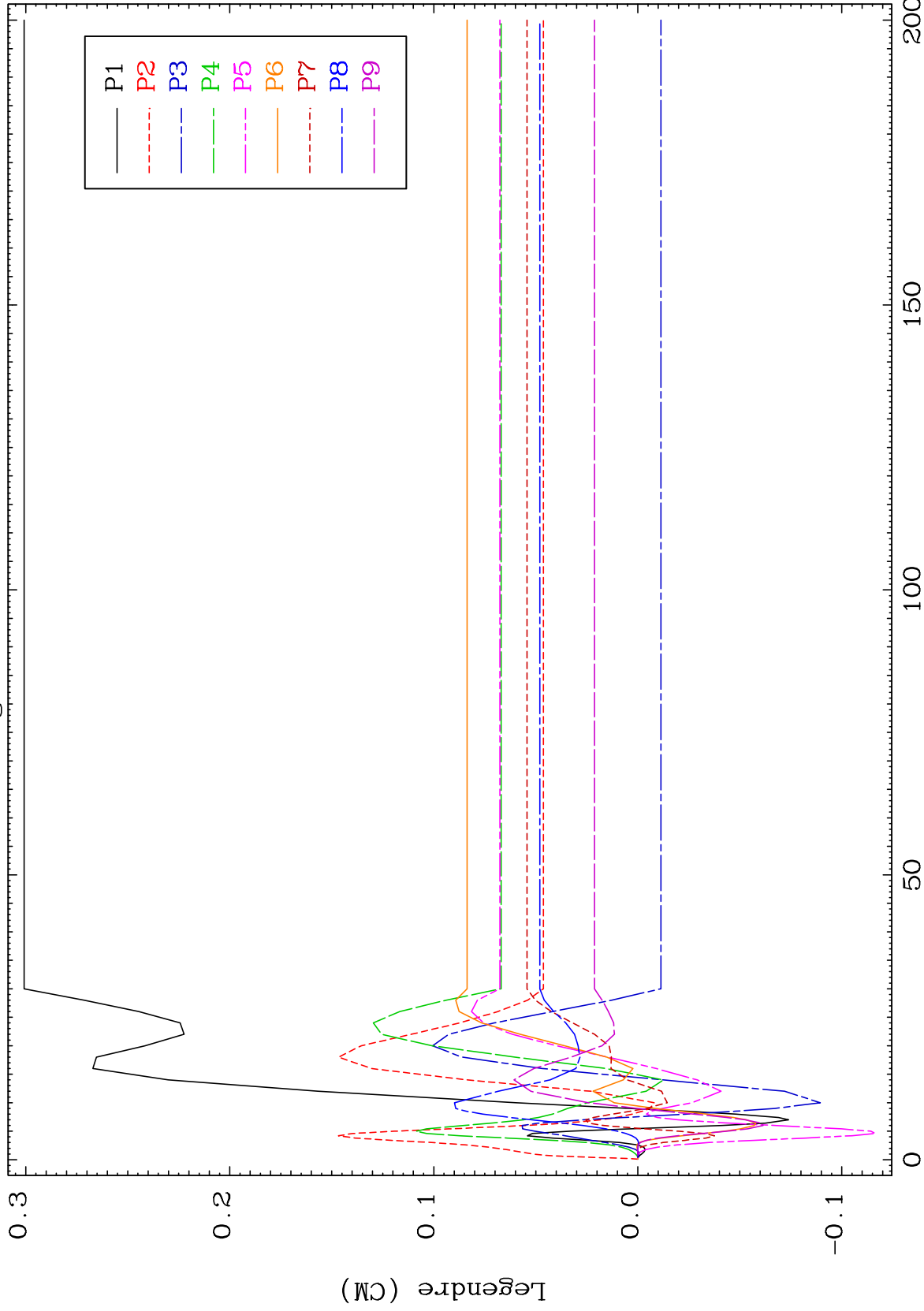
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63-Eu-156

MAT 6340

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

63-Eu-156



27

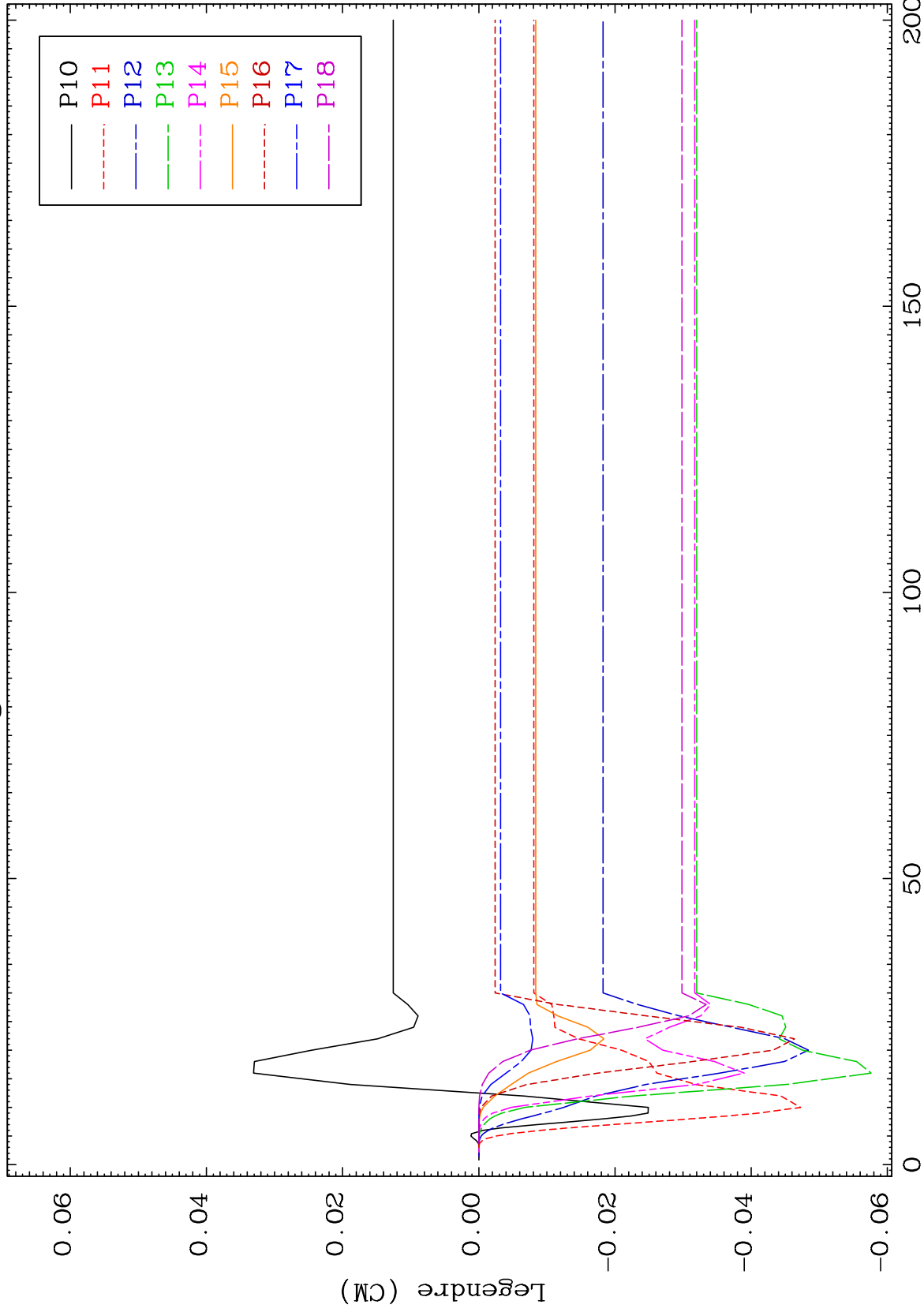
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



28

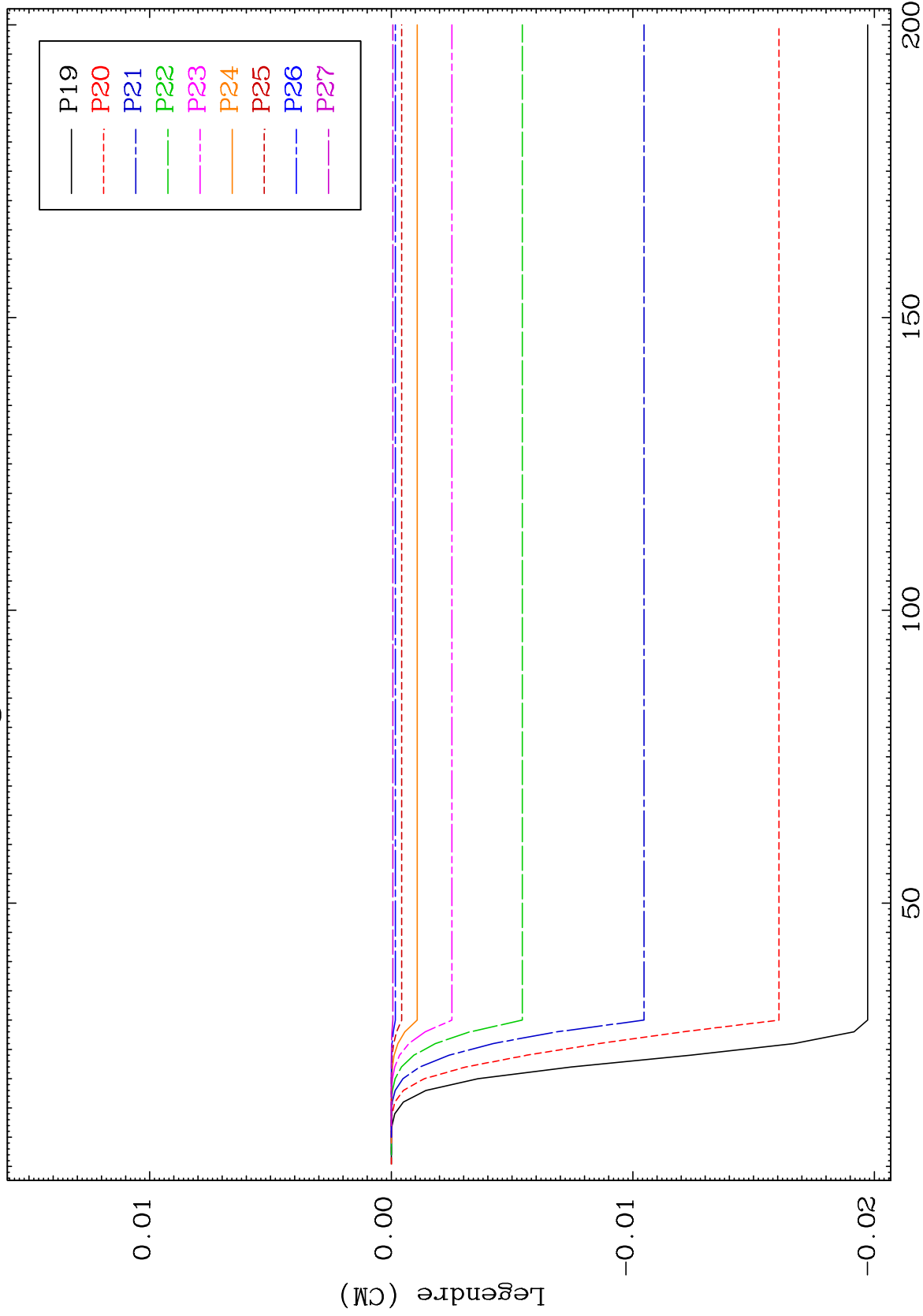
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



29

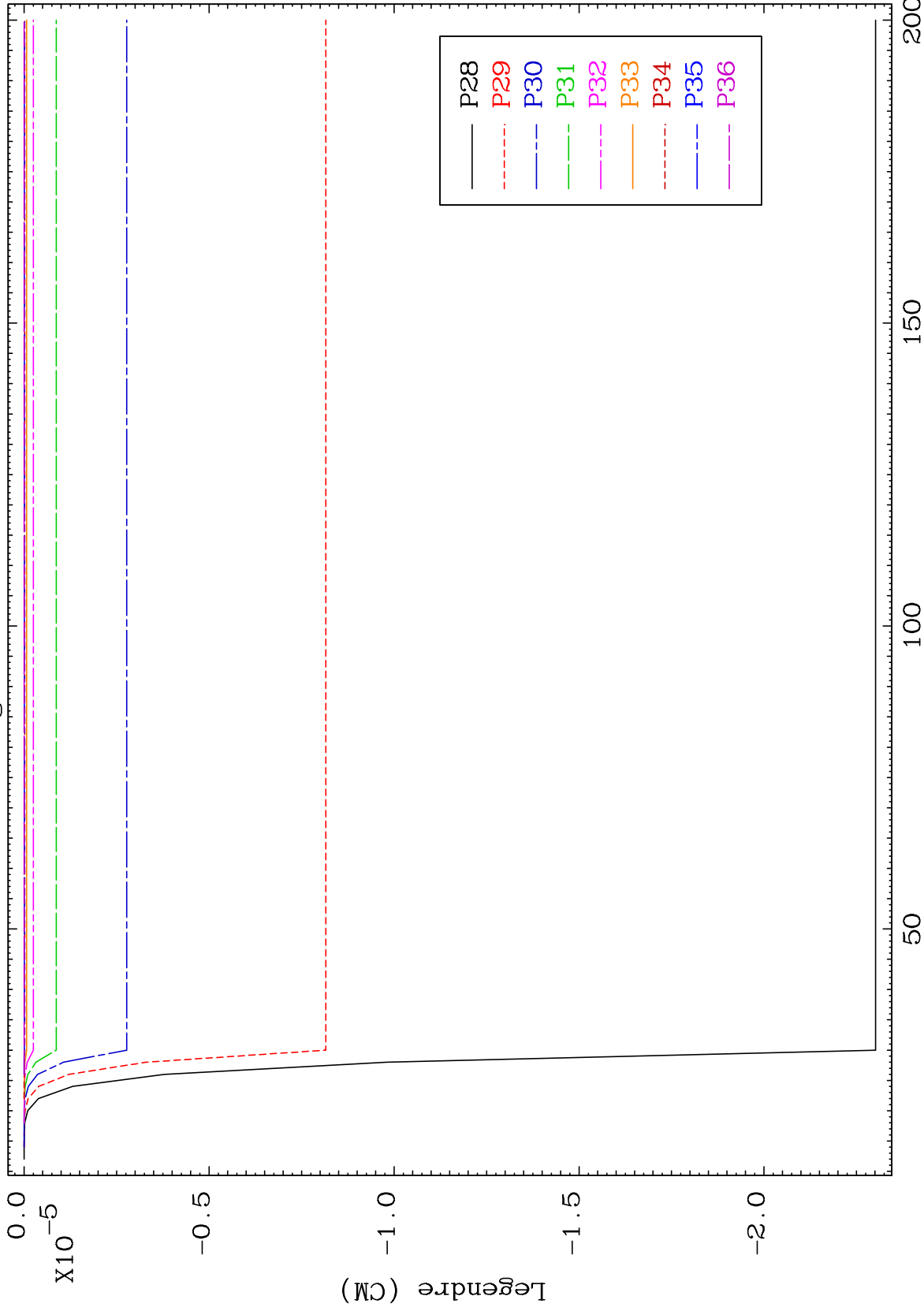
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



63-Eu-156

Incident Energy (MeV)

30

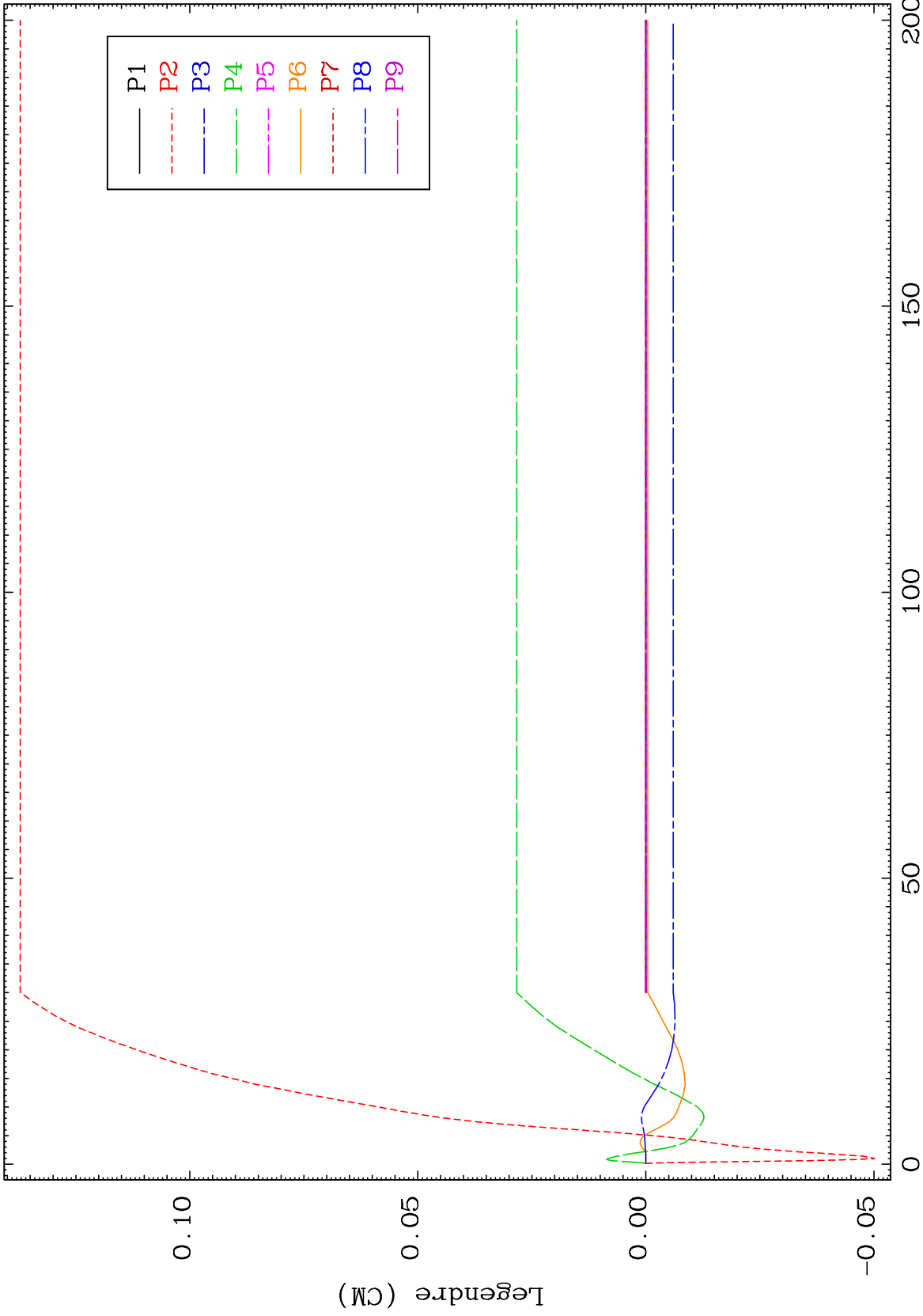
MAT 6340

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

63-Eu-156

Incident Energy (MeV)

31

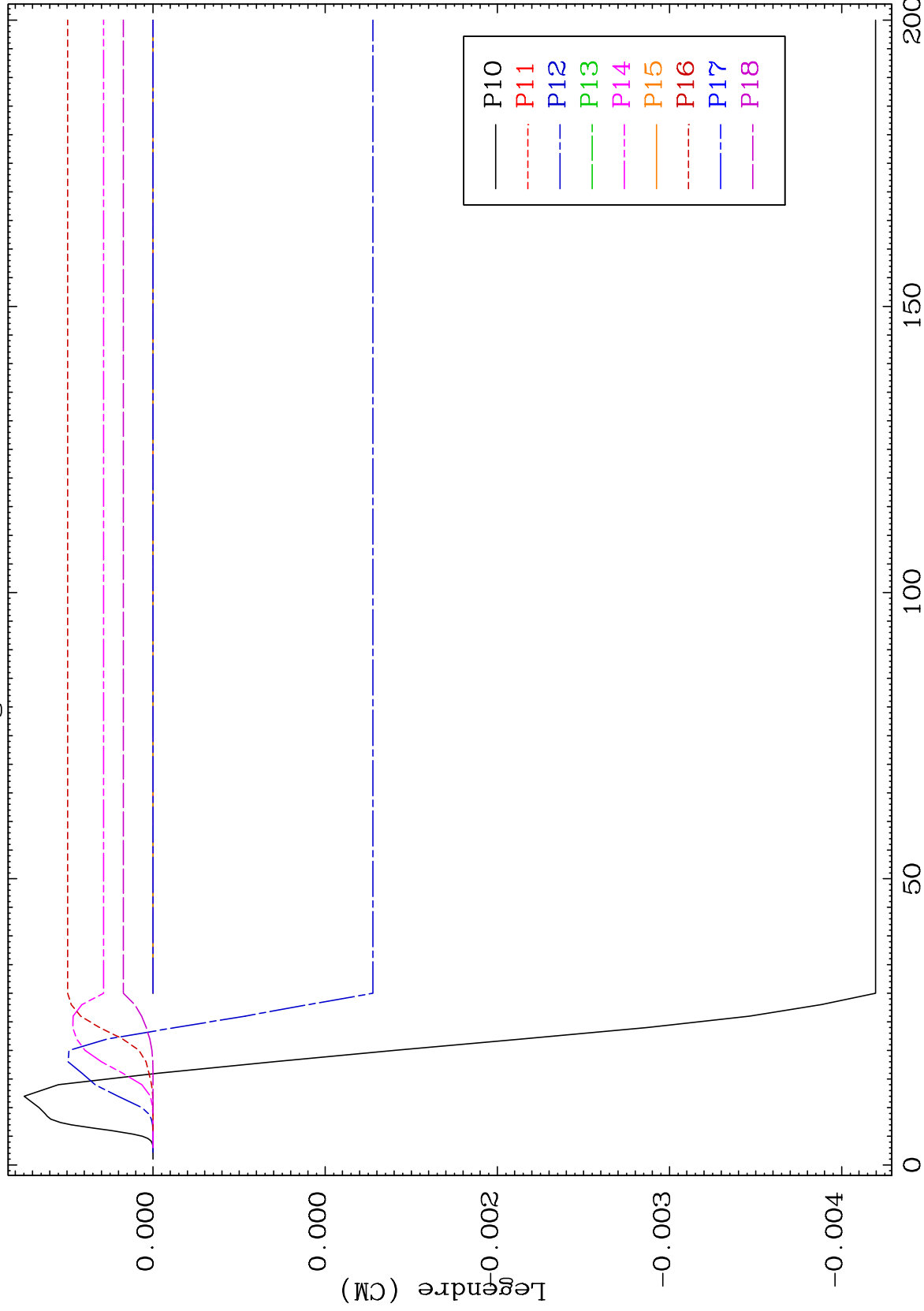




MAT 6340

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

63-Eu-156



32

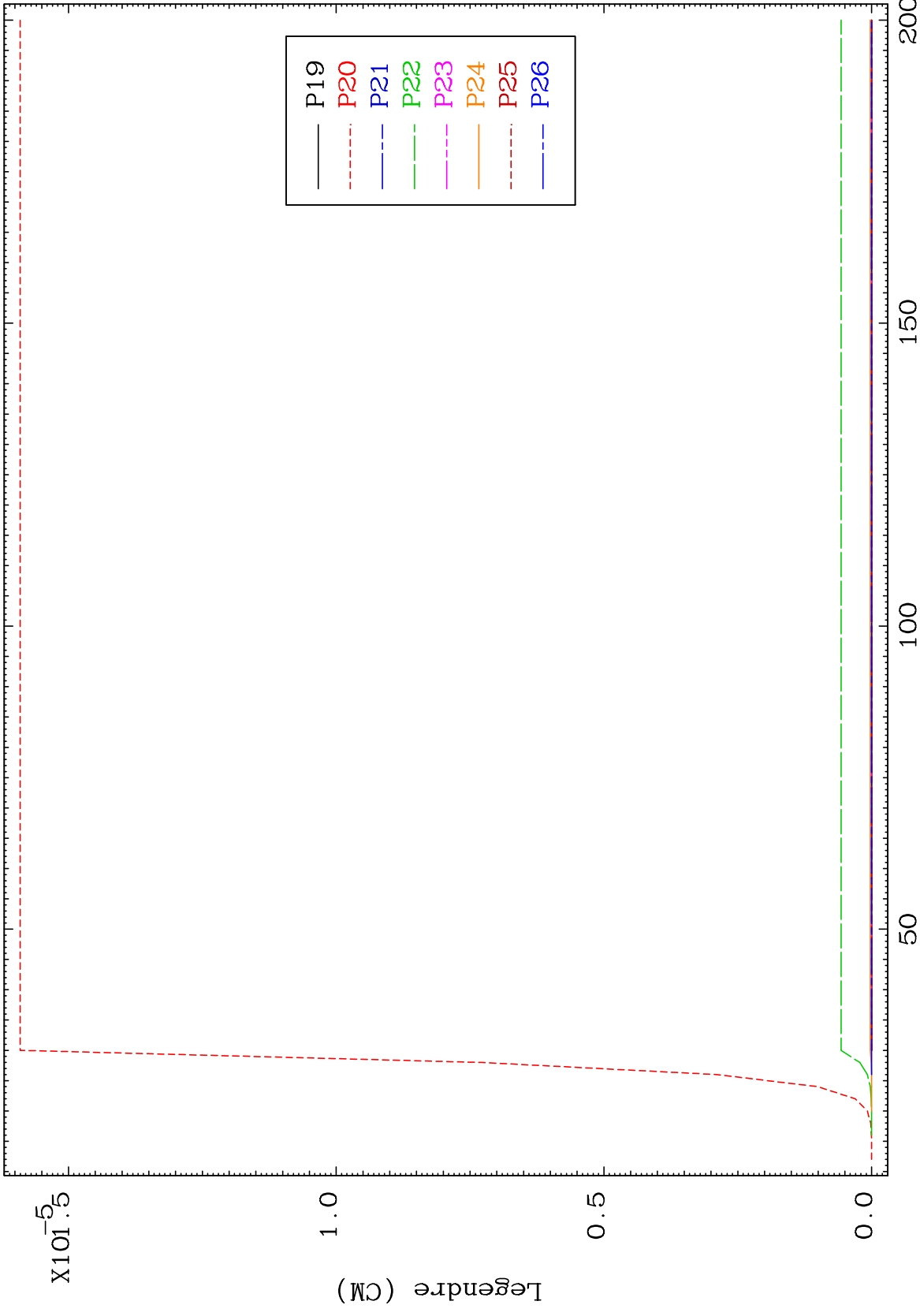
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156

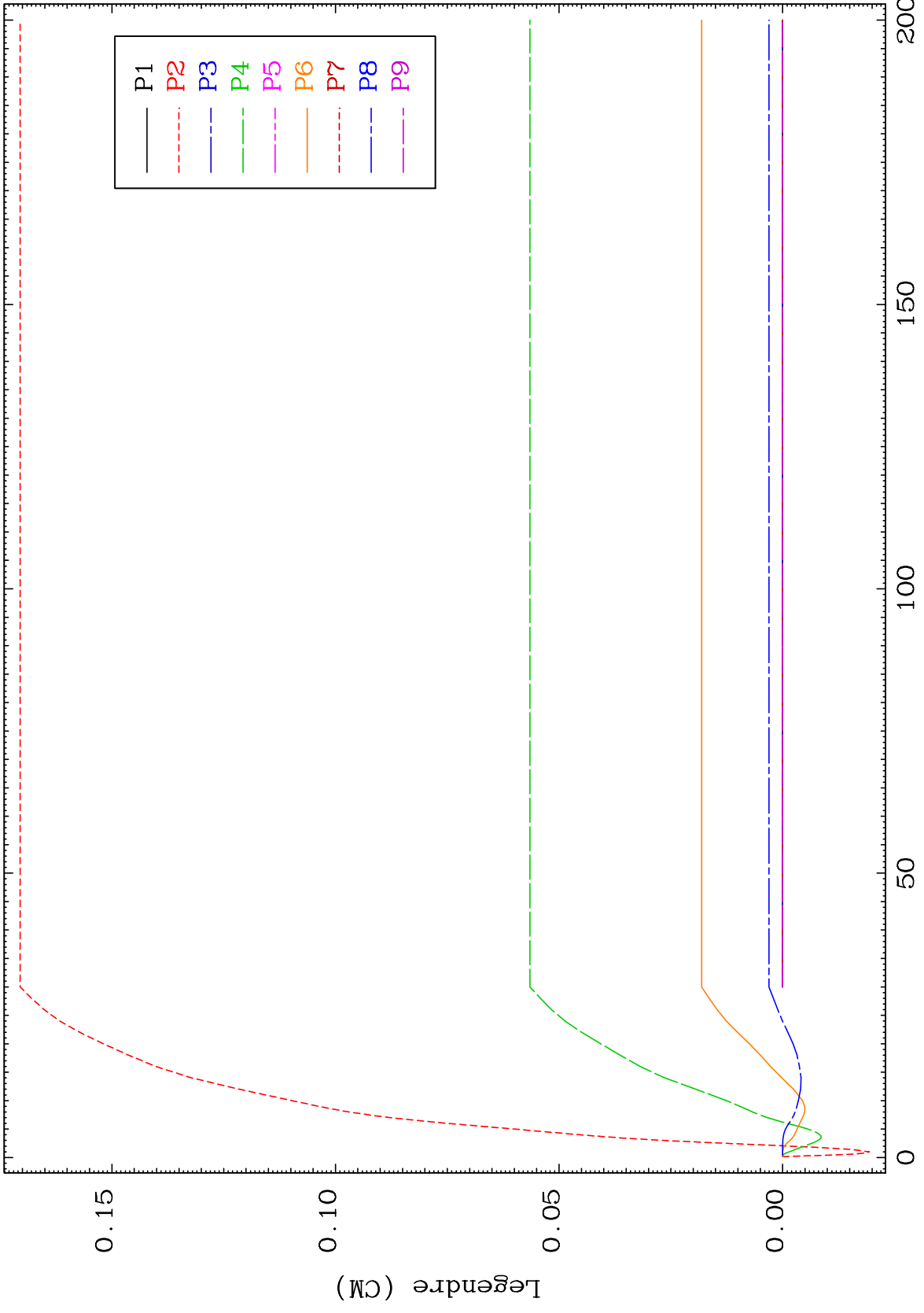


63-Eu-156

Incident Energy (MeV)

33

MAT 6340 MT= 55 (n,n') Level Legendre Coefficients 63-Eu-156

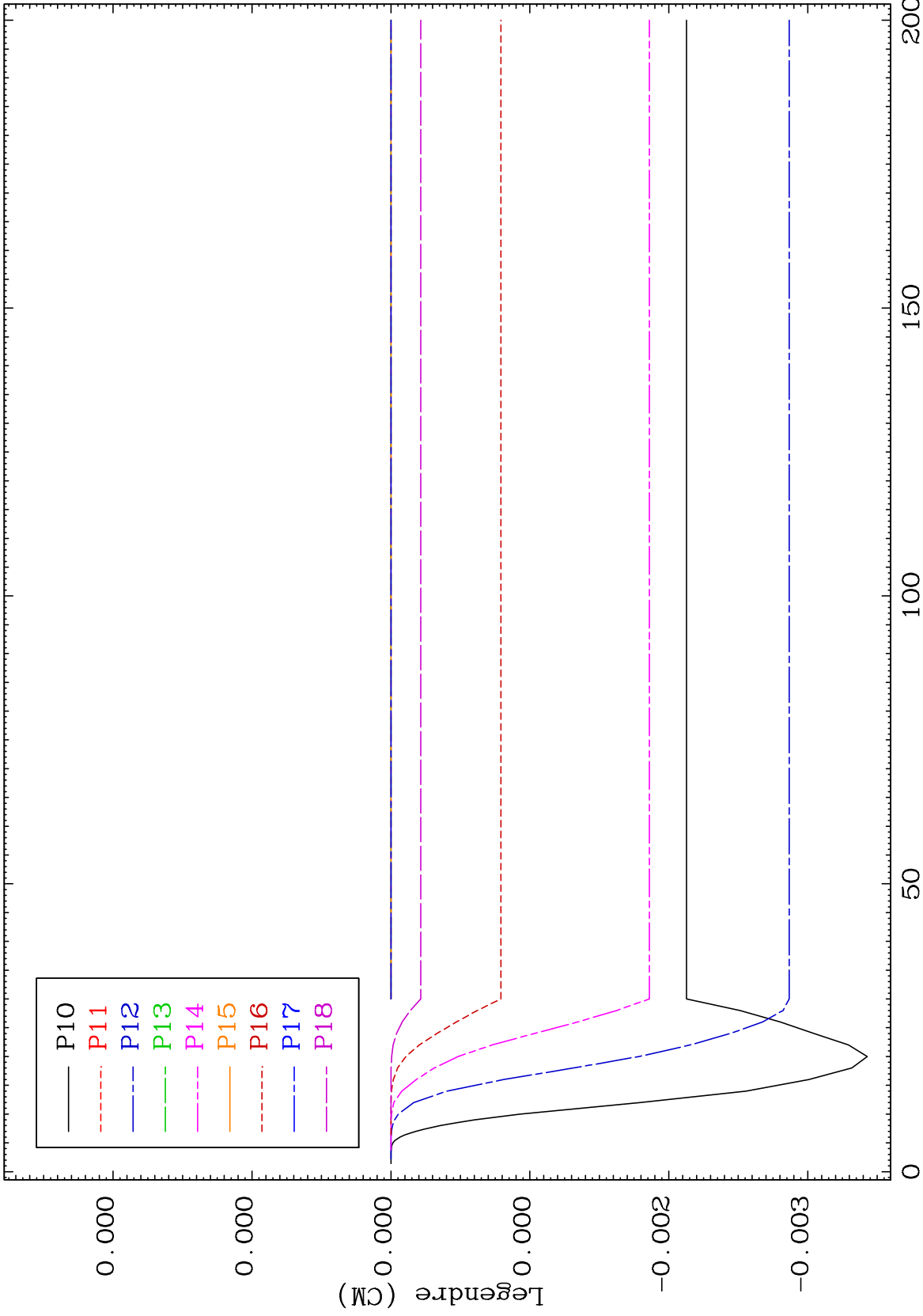


34 63-Eu-156

MAT 6340

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

63-Eu-156



35

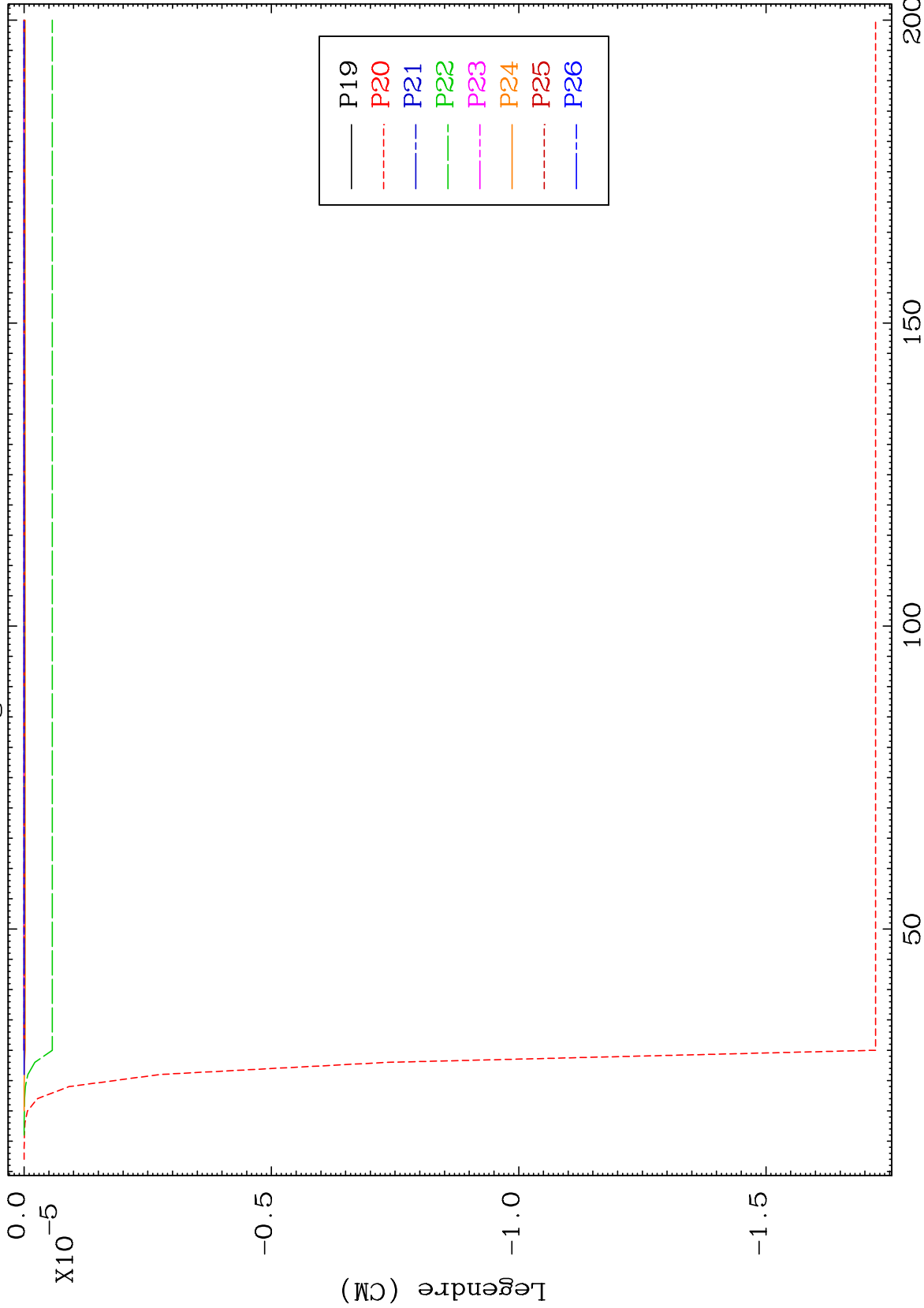
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



36

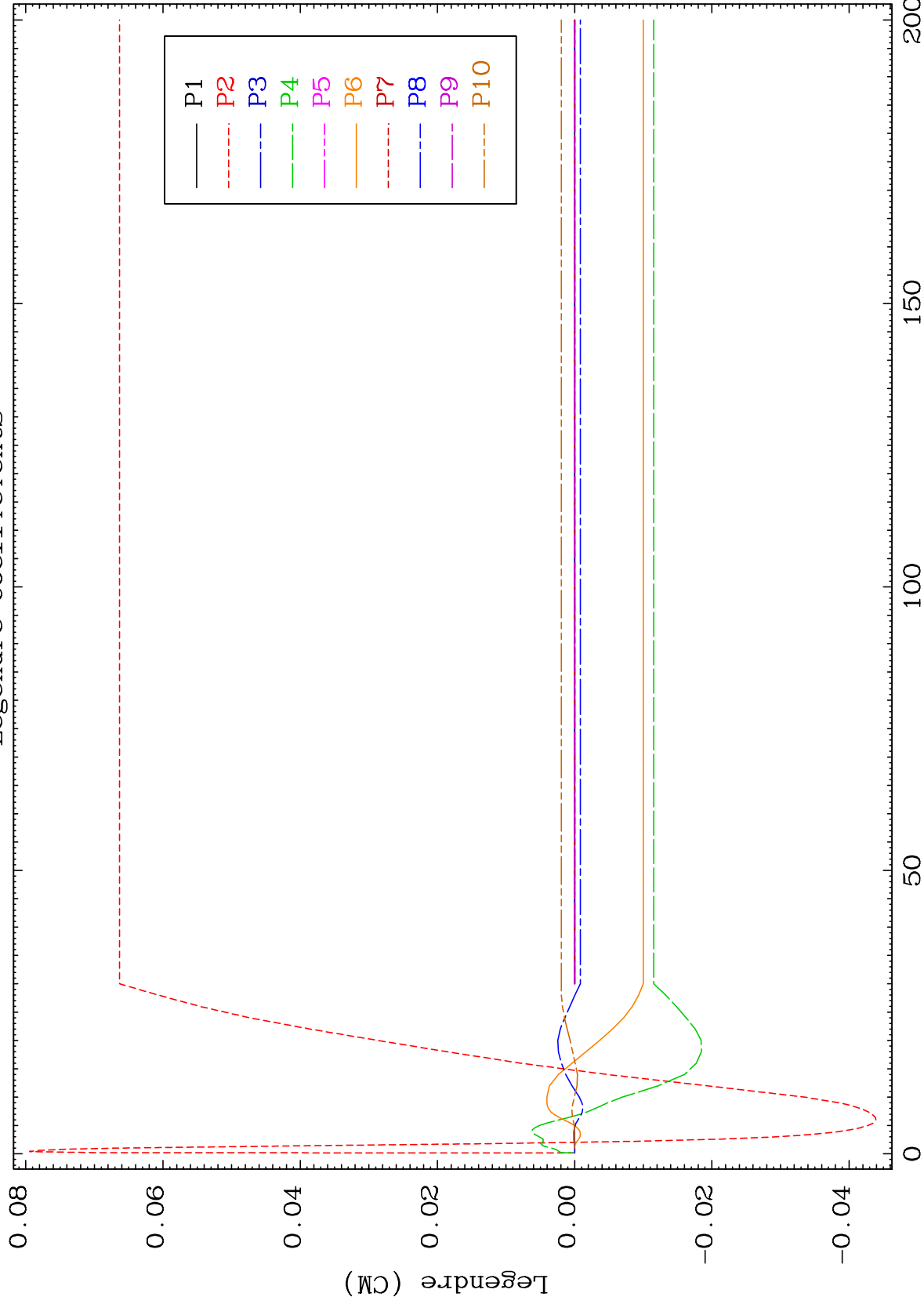
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



37

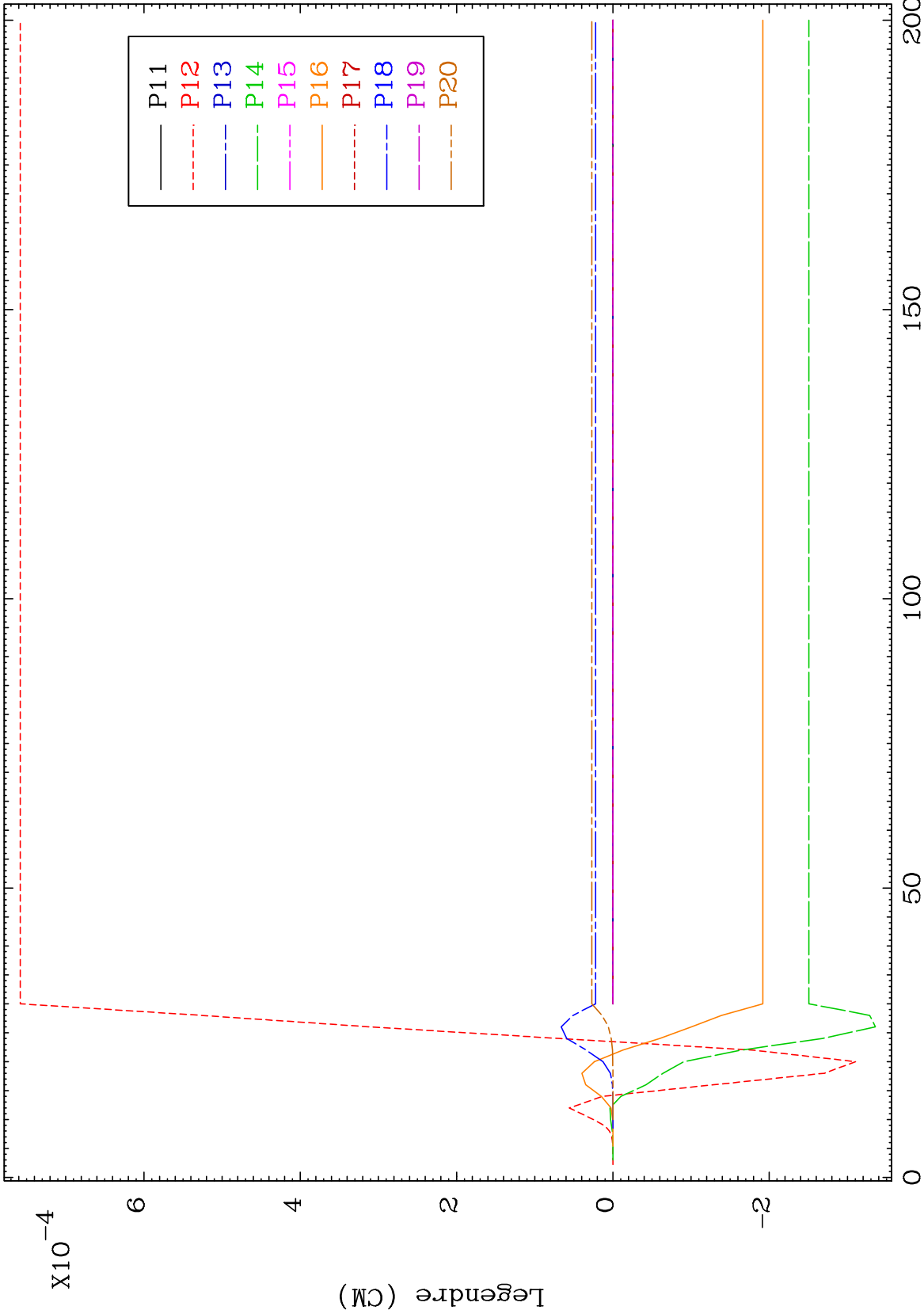
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



38

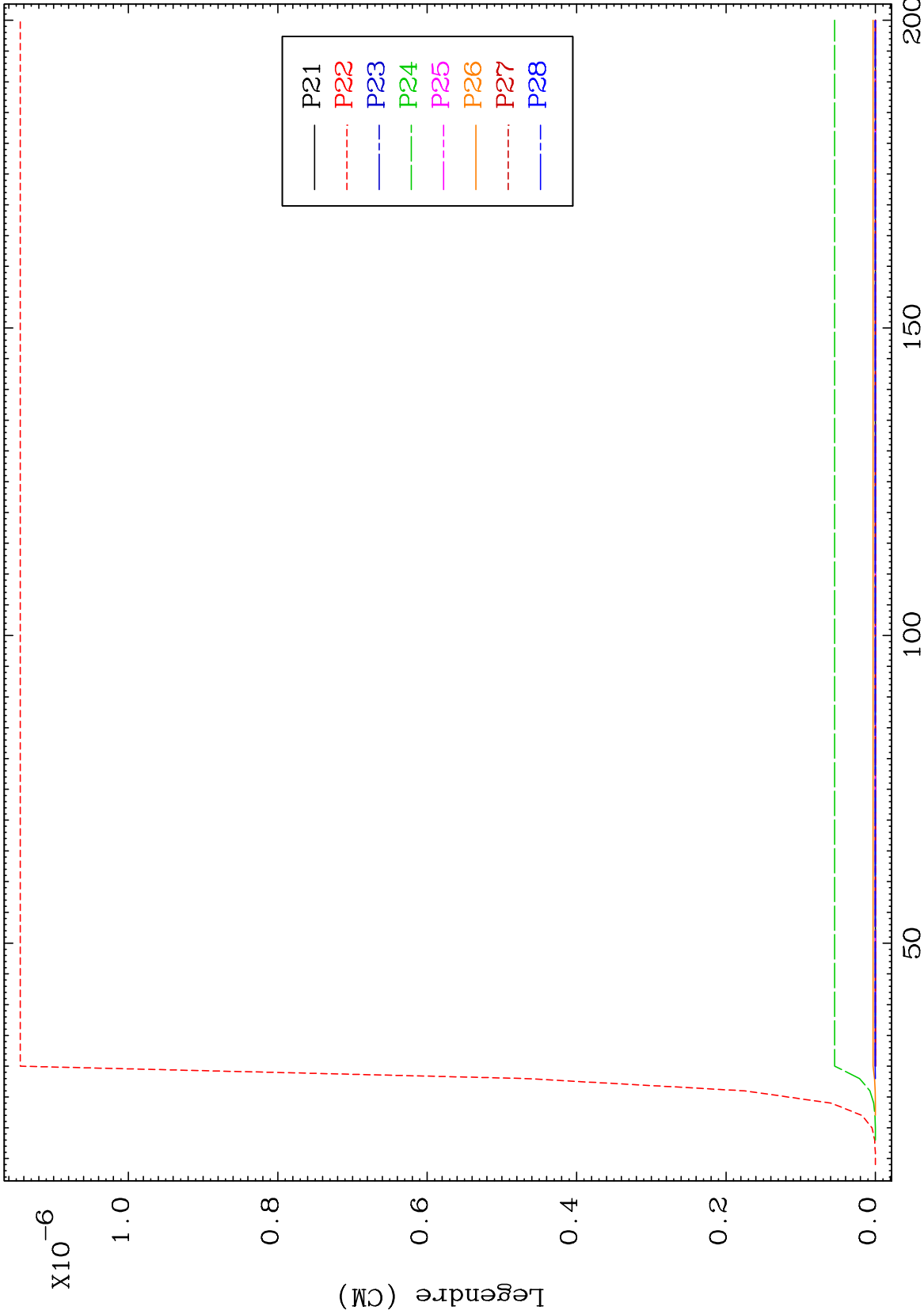
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



39

Incident Energy (MeV)

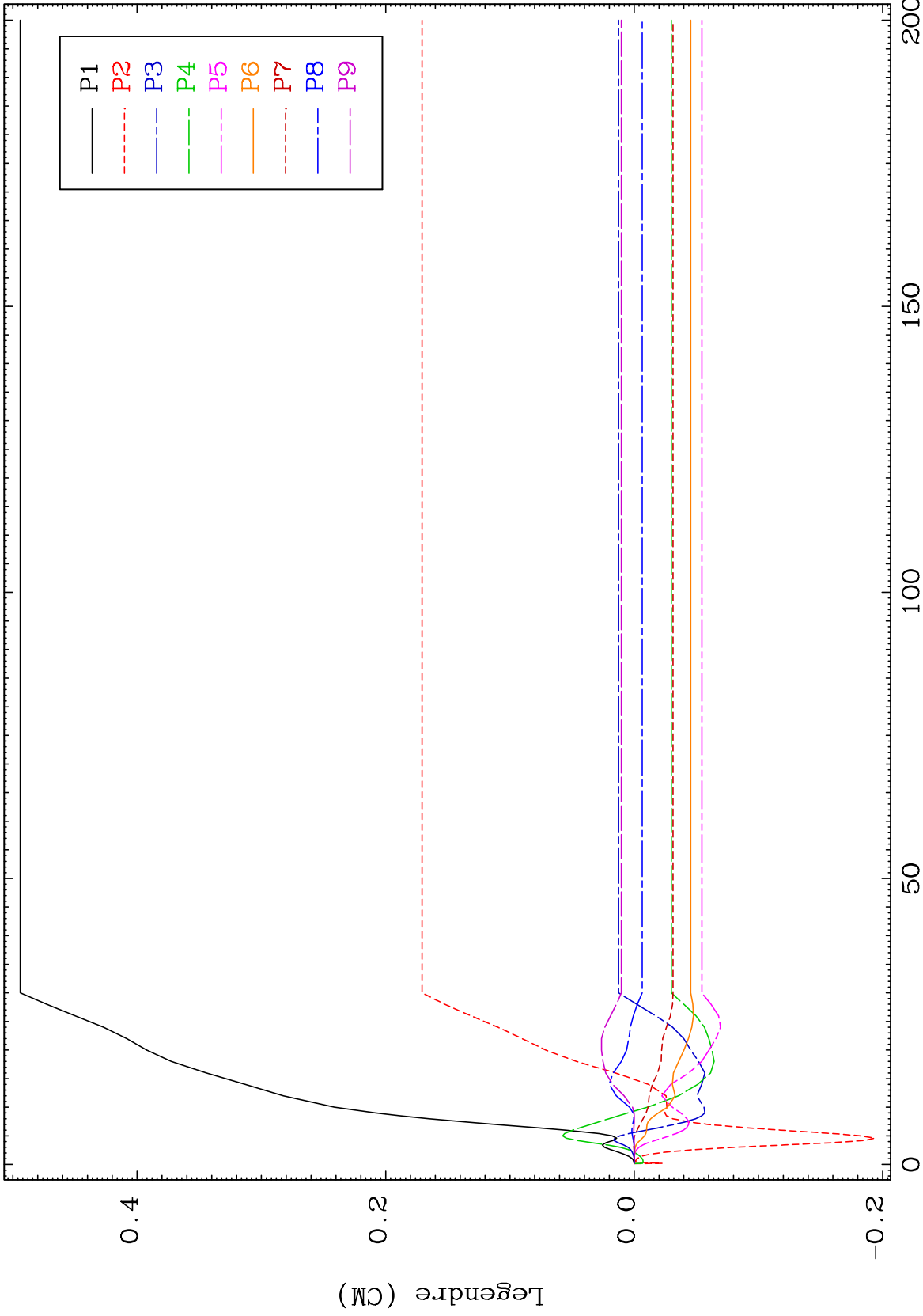
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MAT 6340

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

63-Eu-156



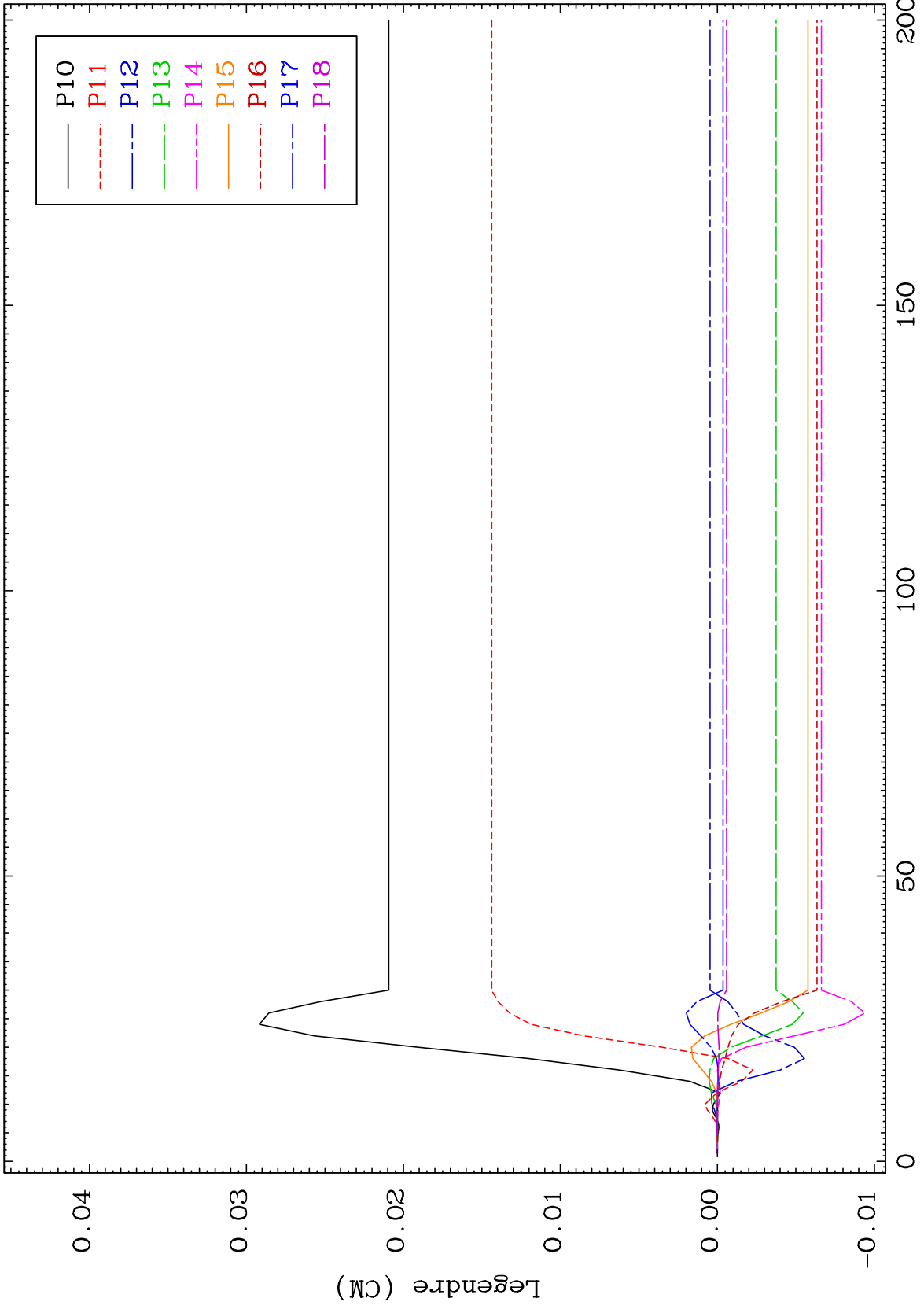
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Incident Energy (MeV)

MAT 6340

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

63-Eu-156



41

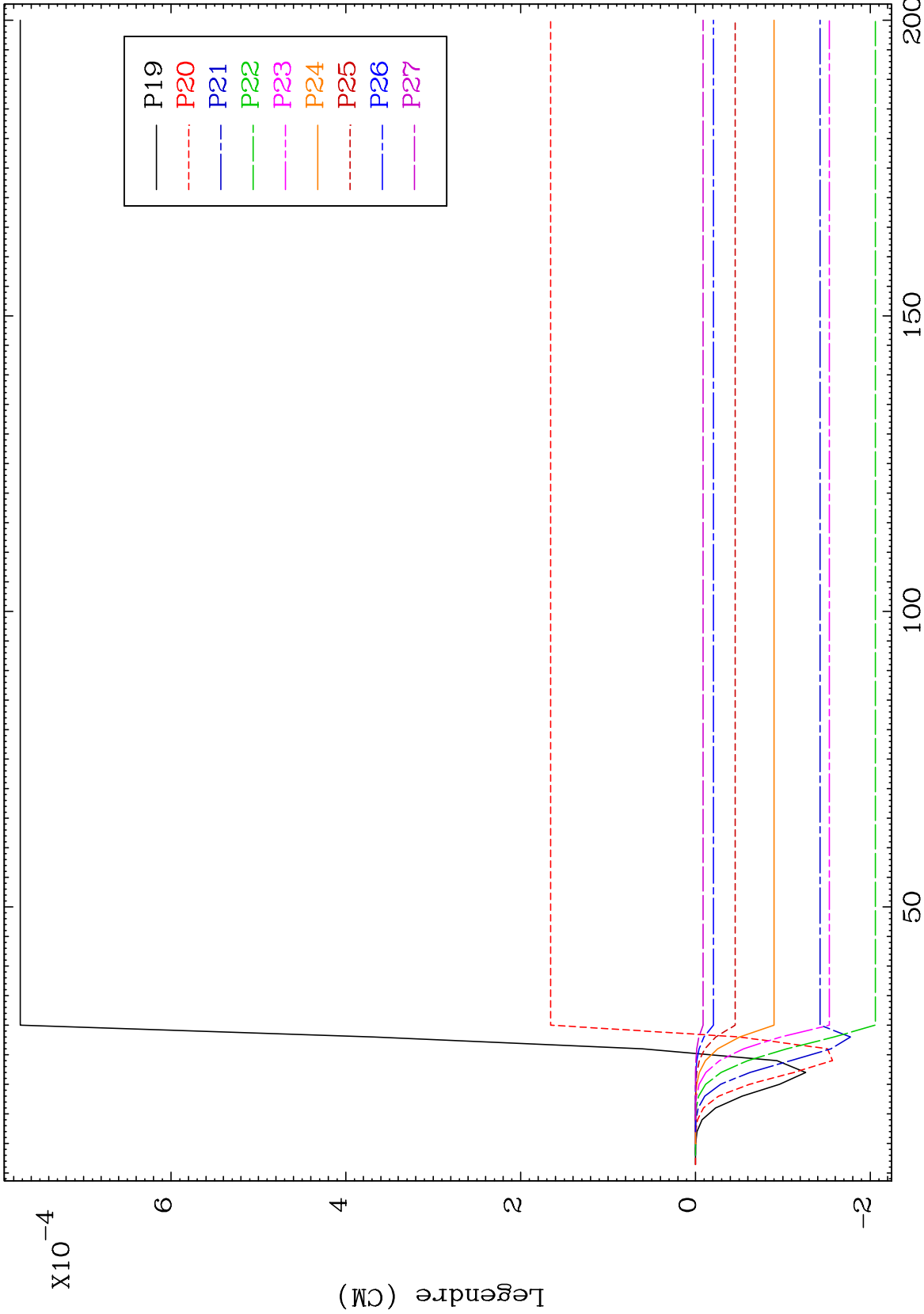
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



42

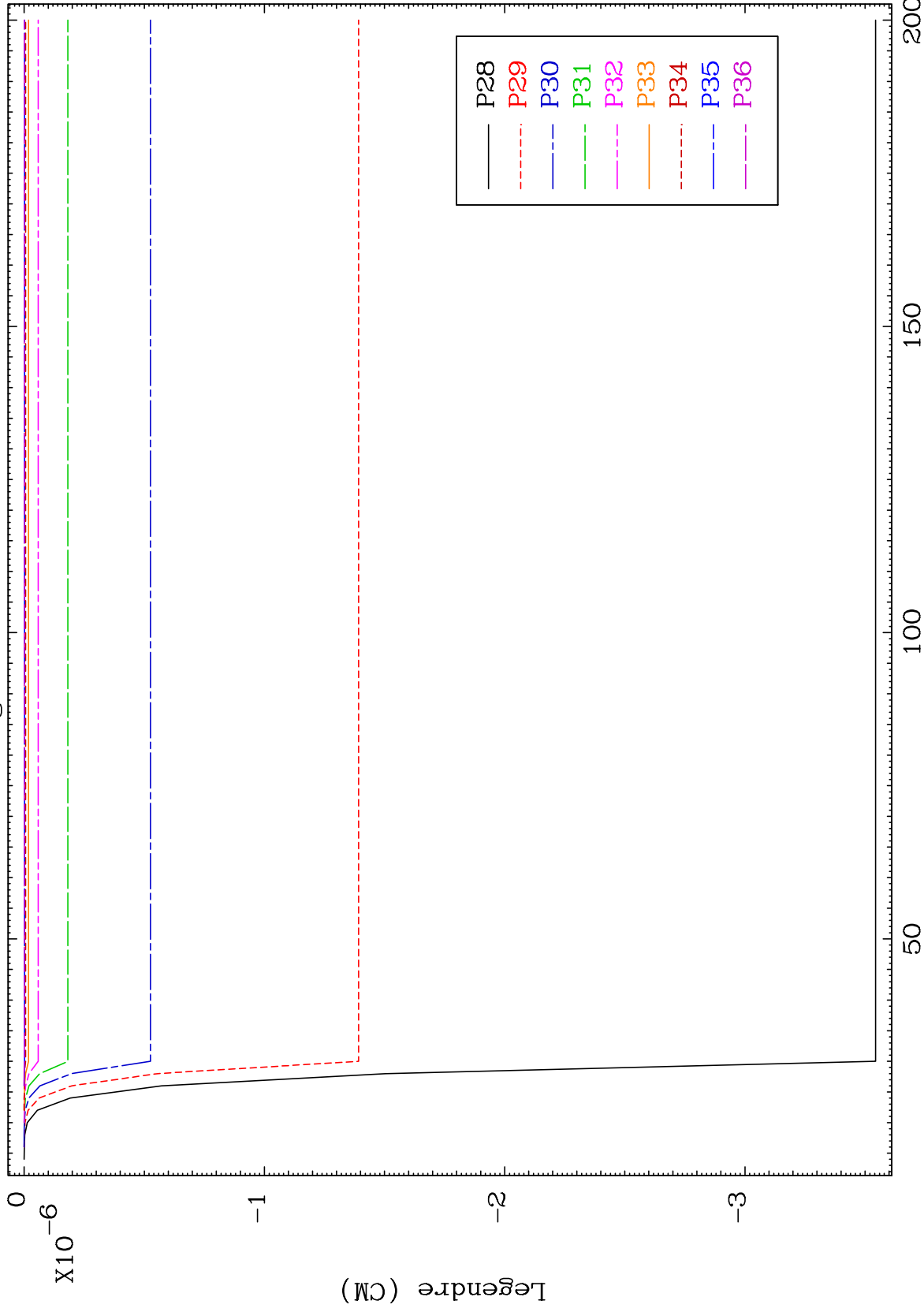
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



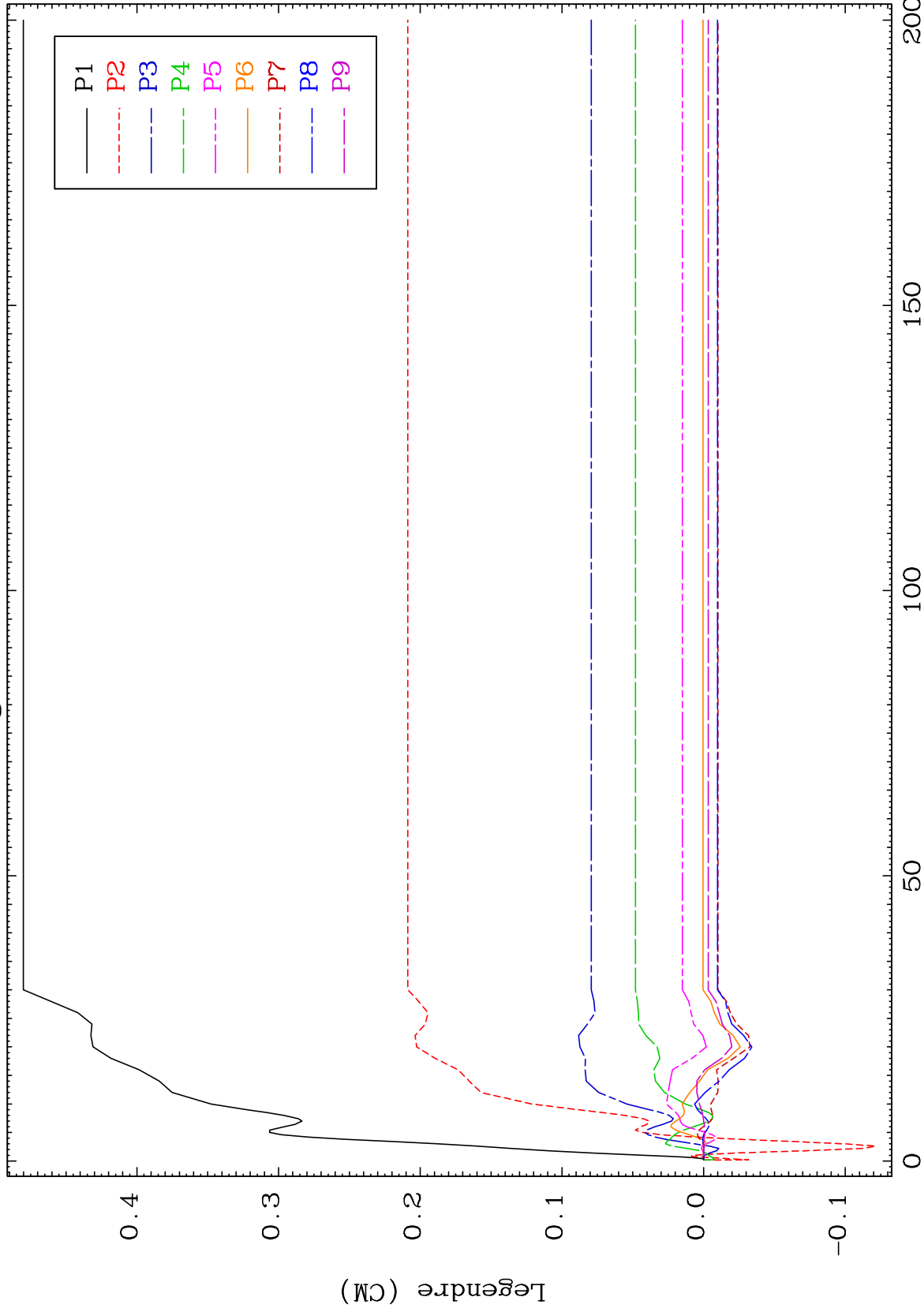
43

63-Eu-156

MAT 6340

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

63-Eu-156



44

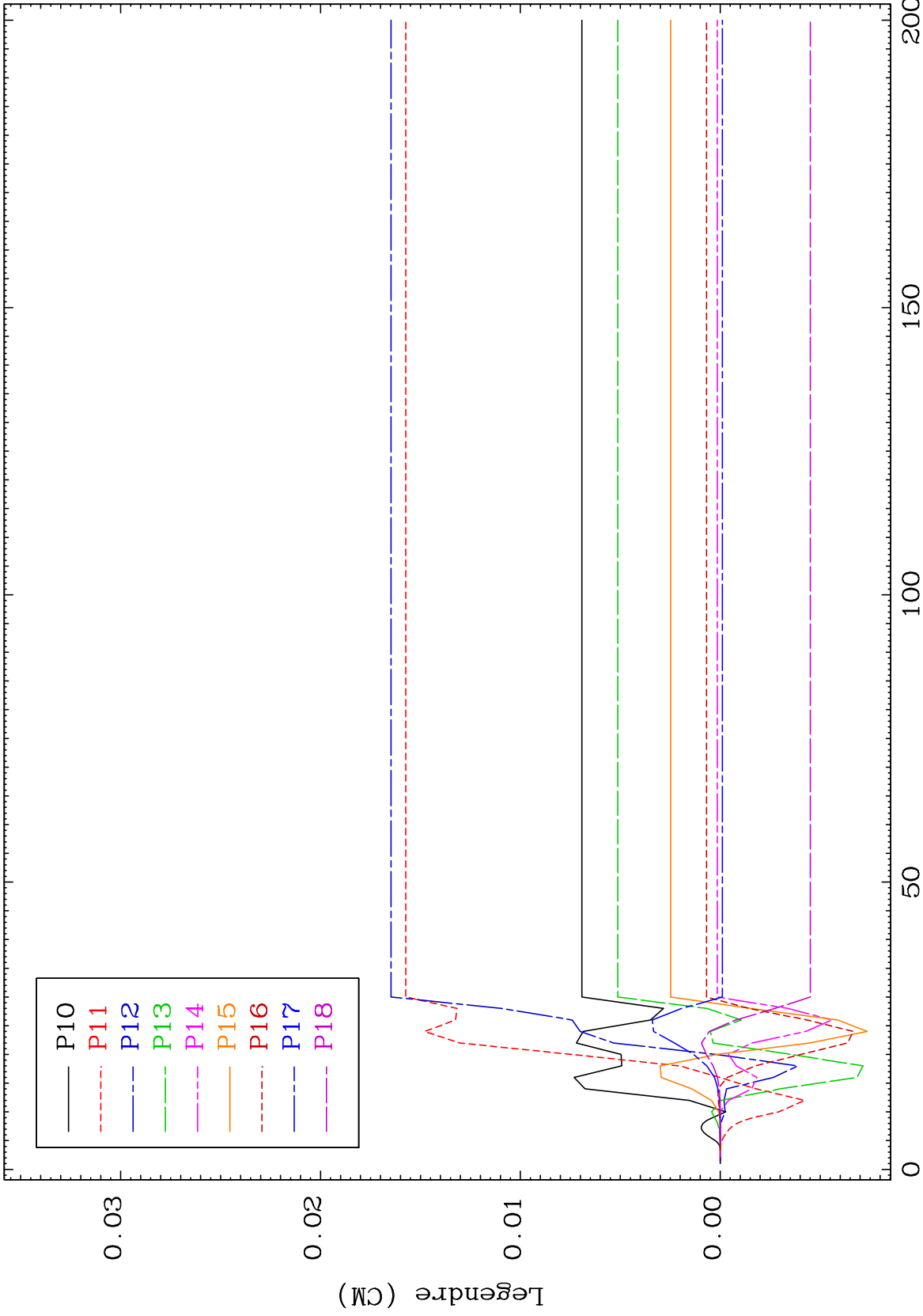
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



45

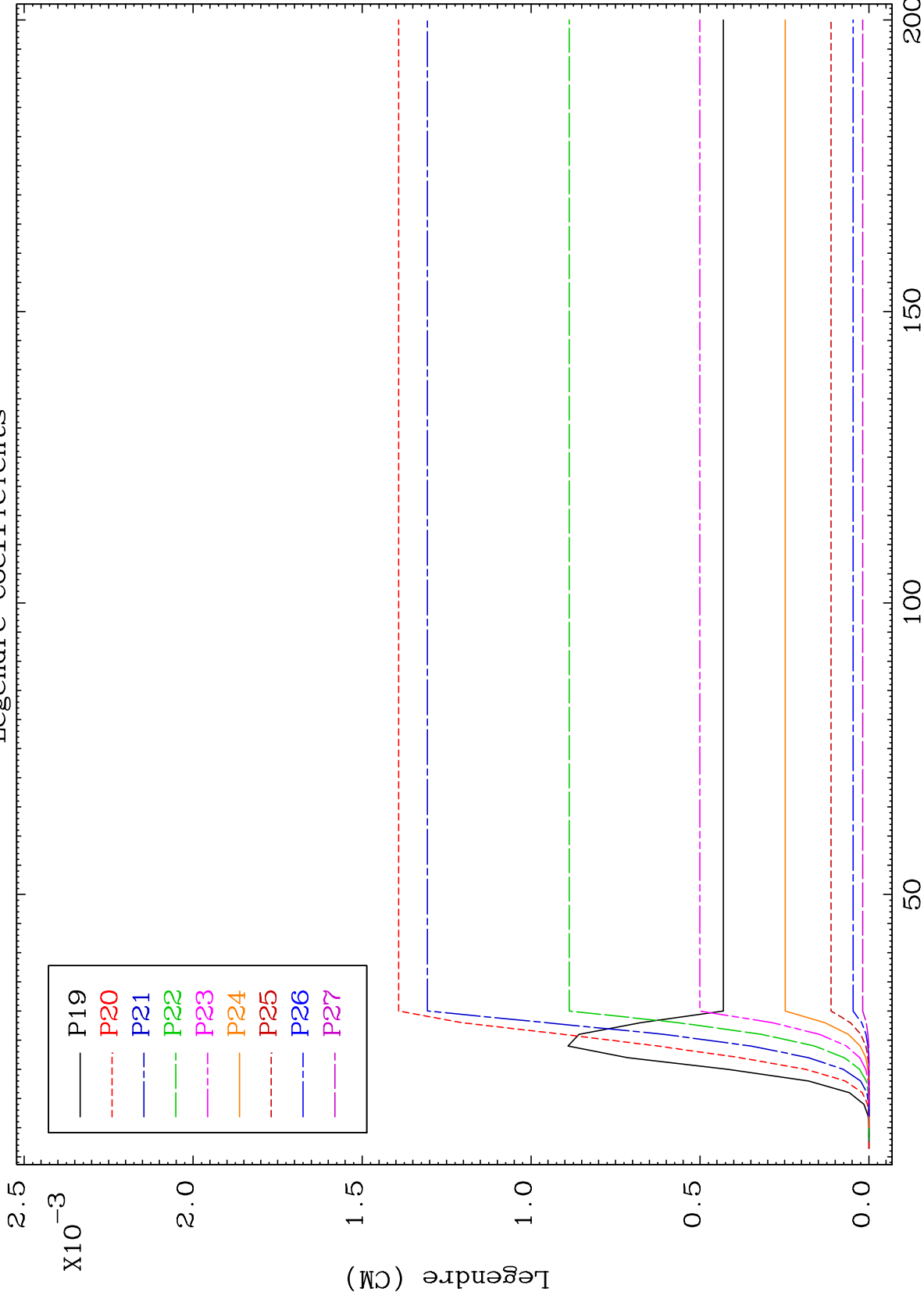
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



46

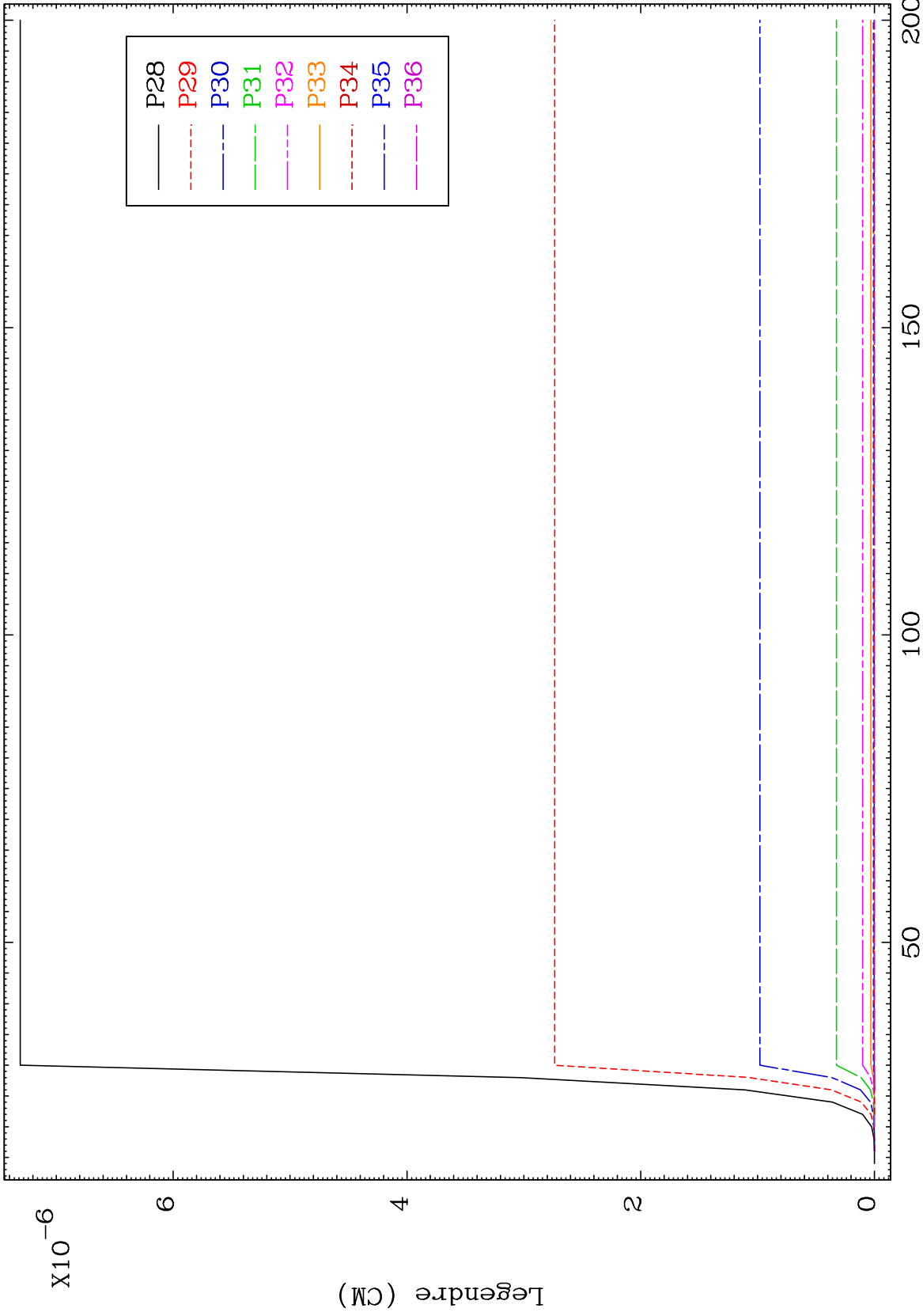
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



47

Incident Energy (MeV)

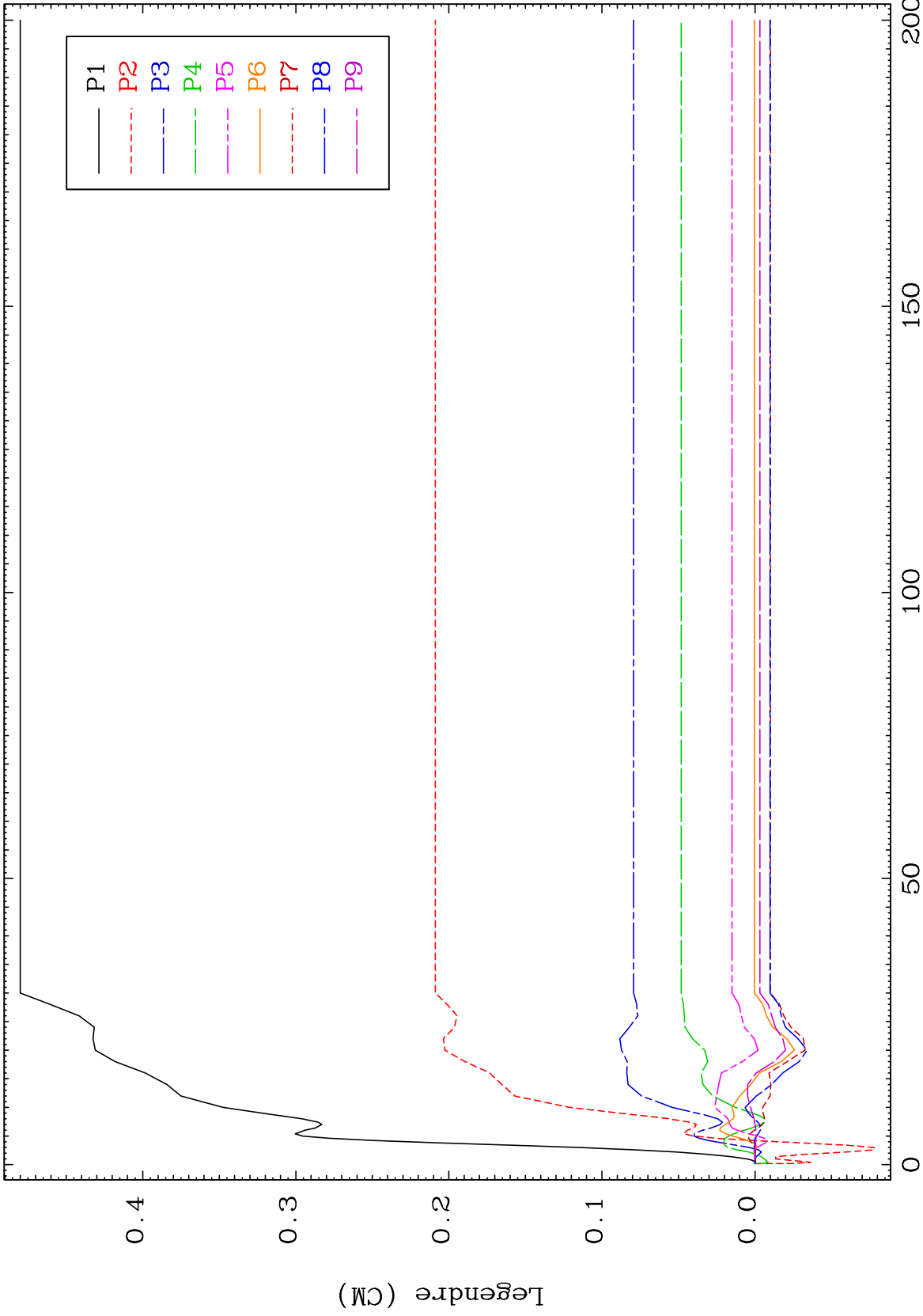
63-Eu-156



MAT 6340

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

63-Eu-156



48

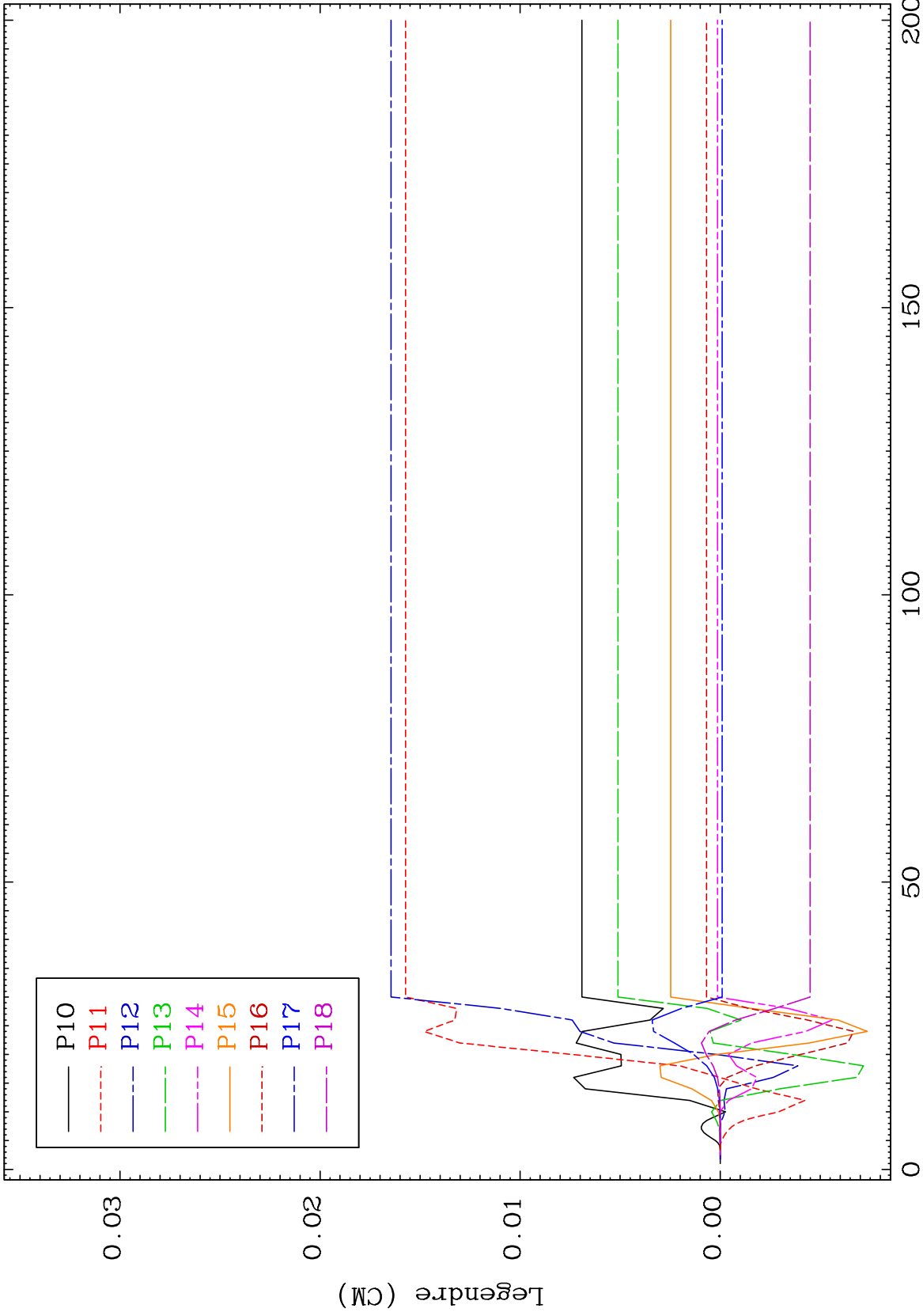
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



49

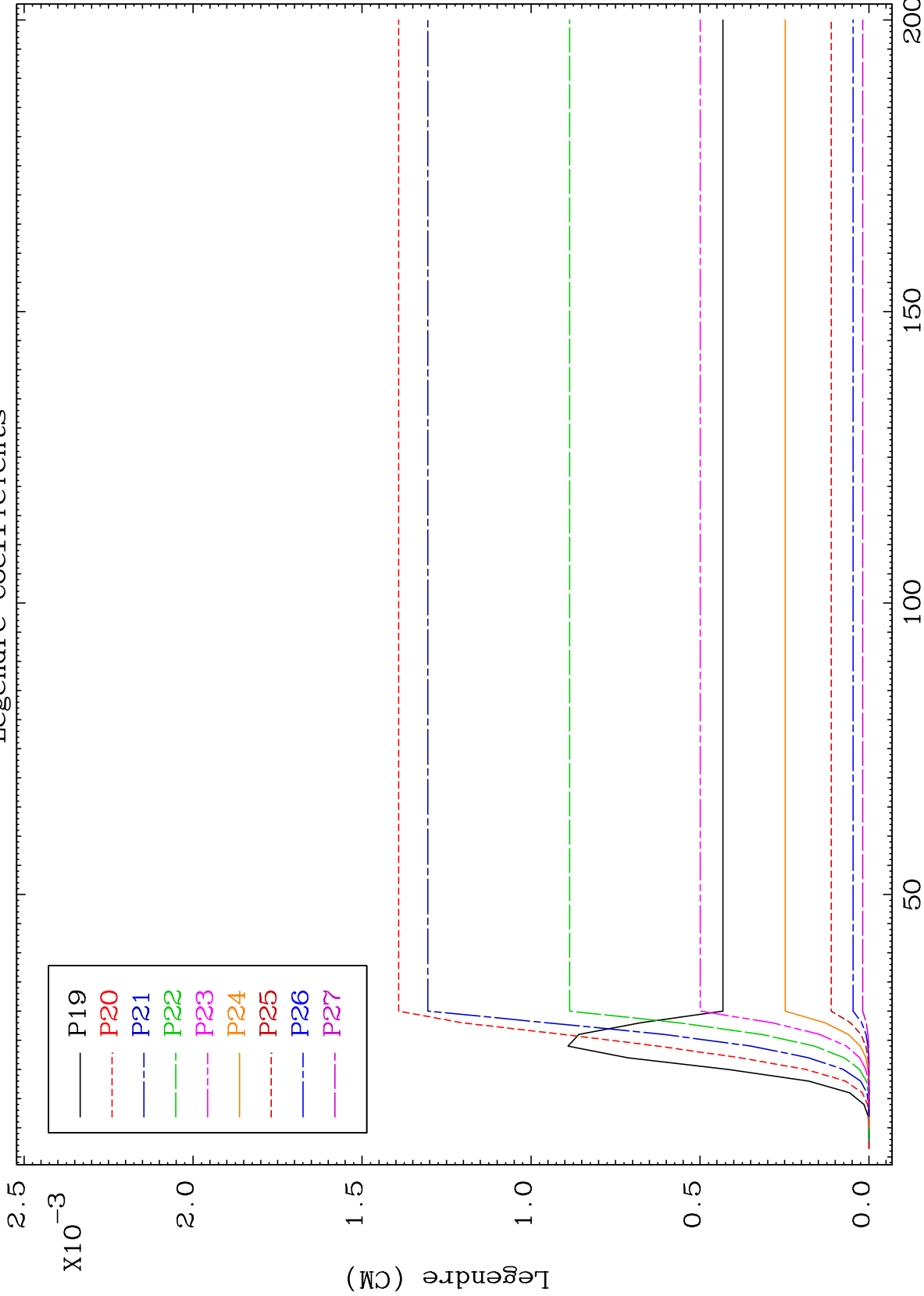
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



50

50

100

150

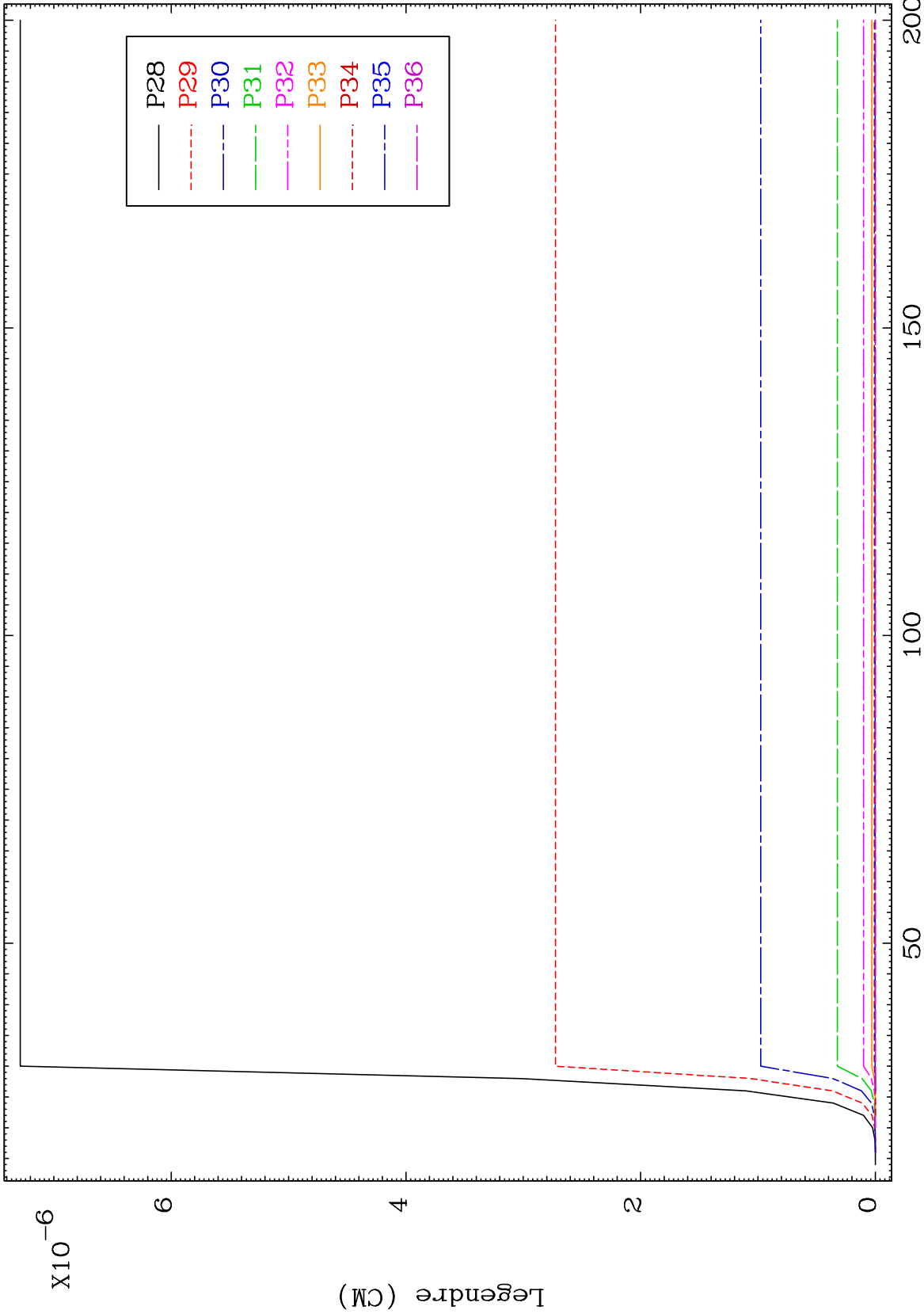
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63-Eu-156

MAT 6340

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

63-Eu-156



51

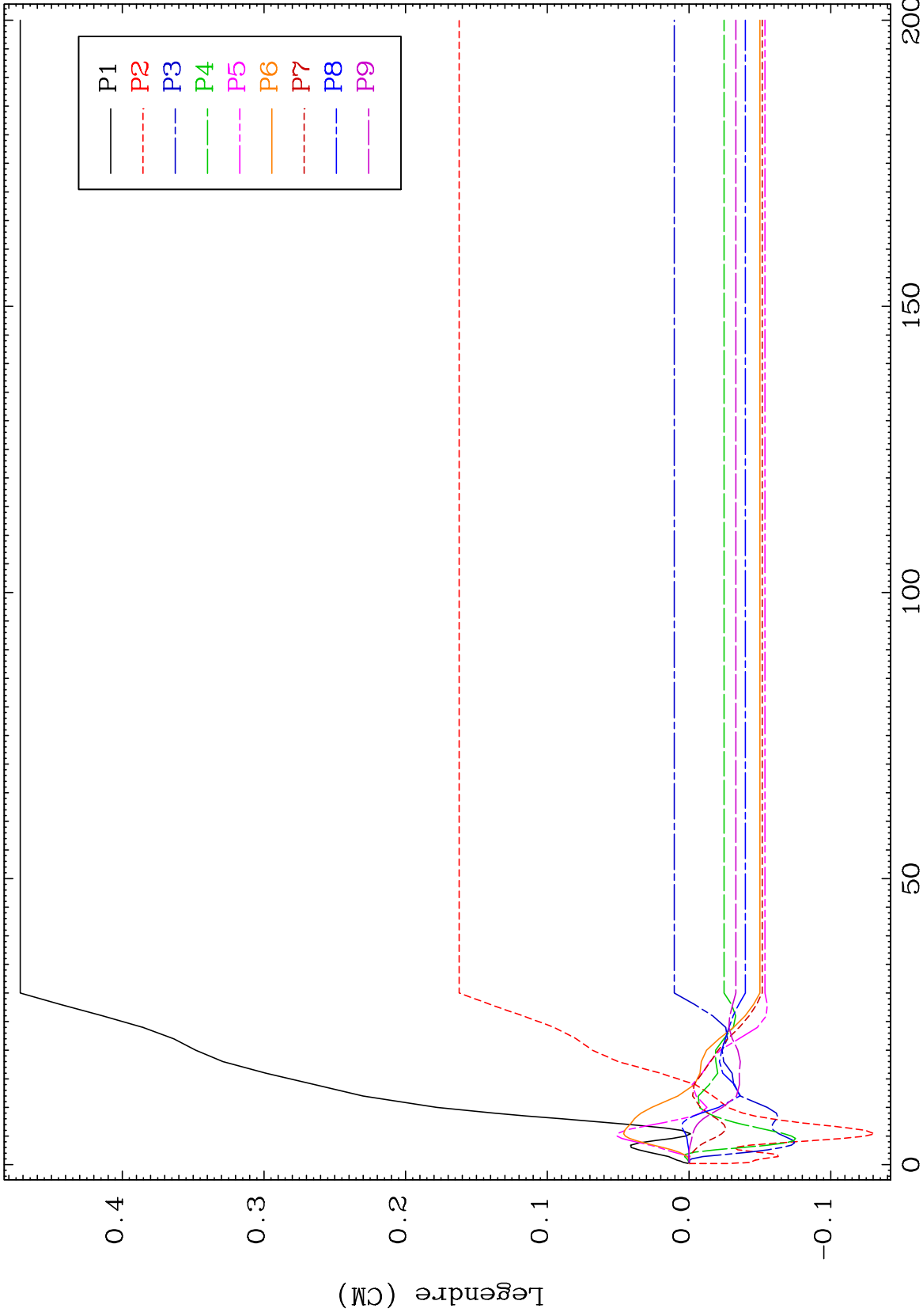
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



52

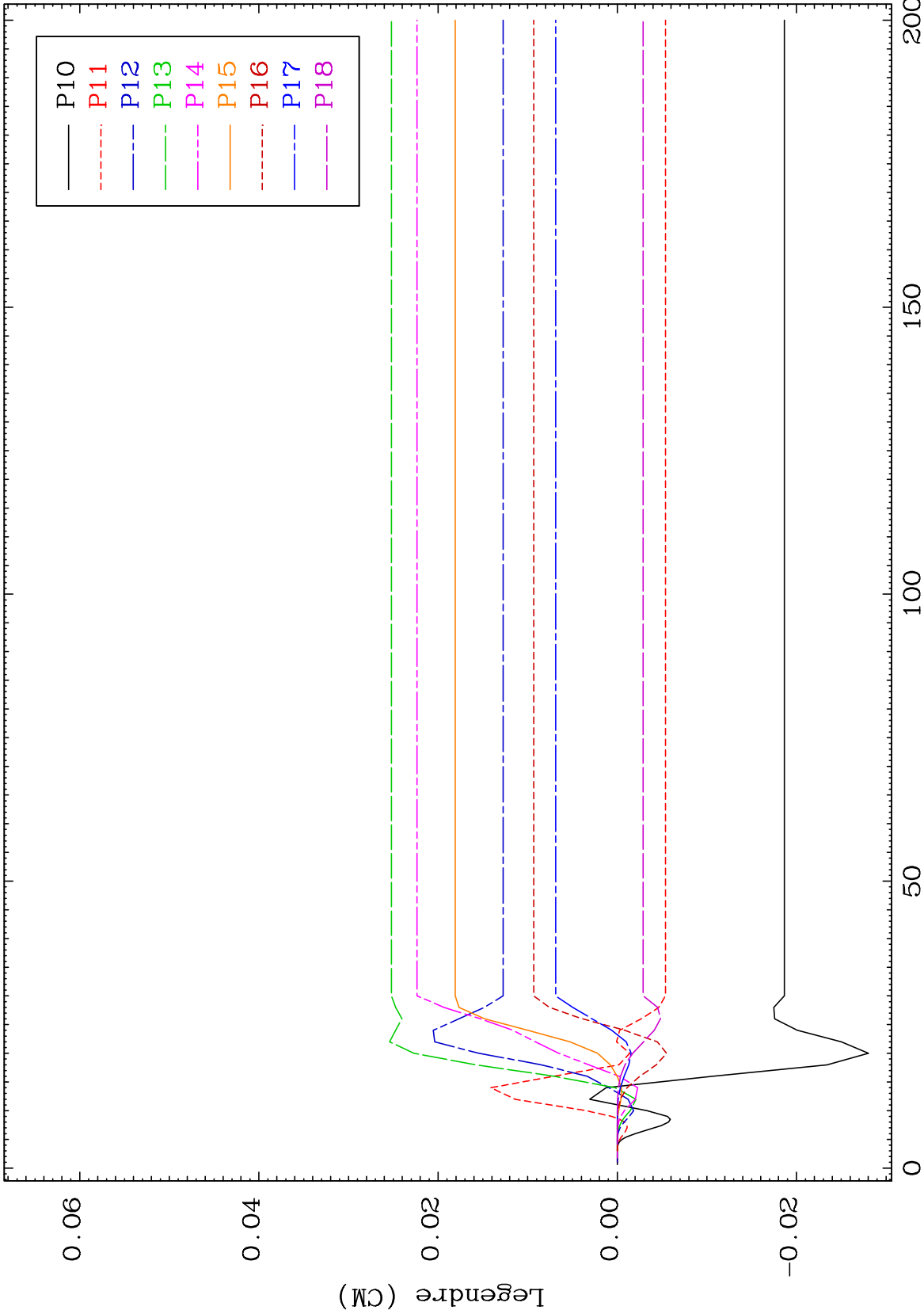
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



53

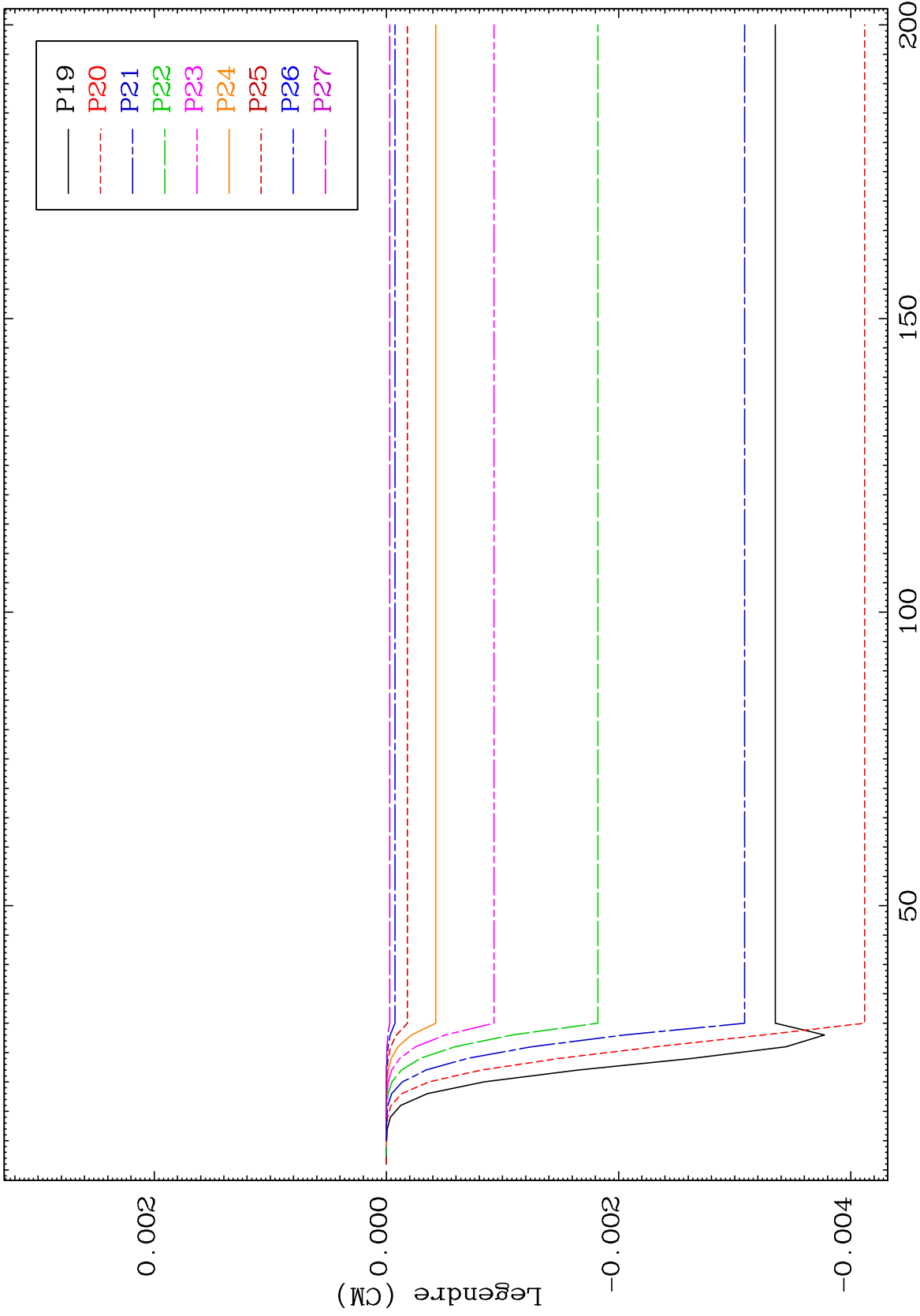
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



54

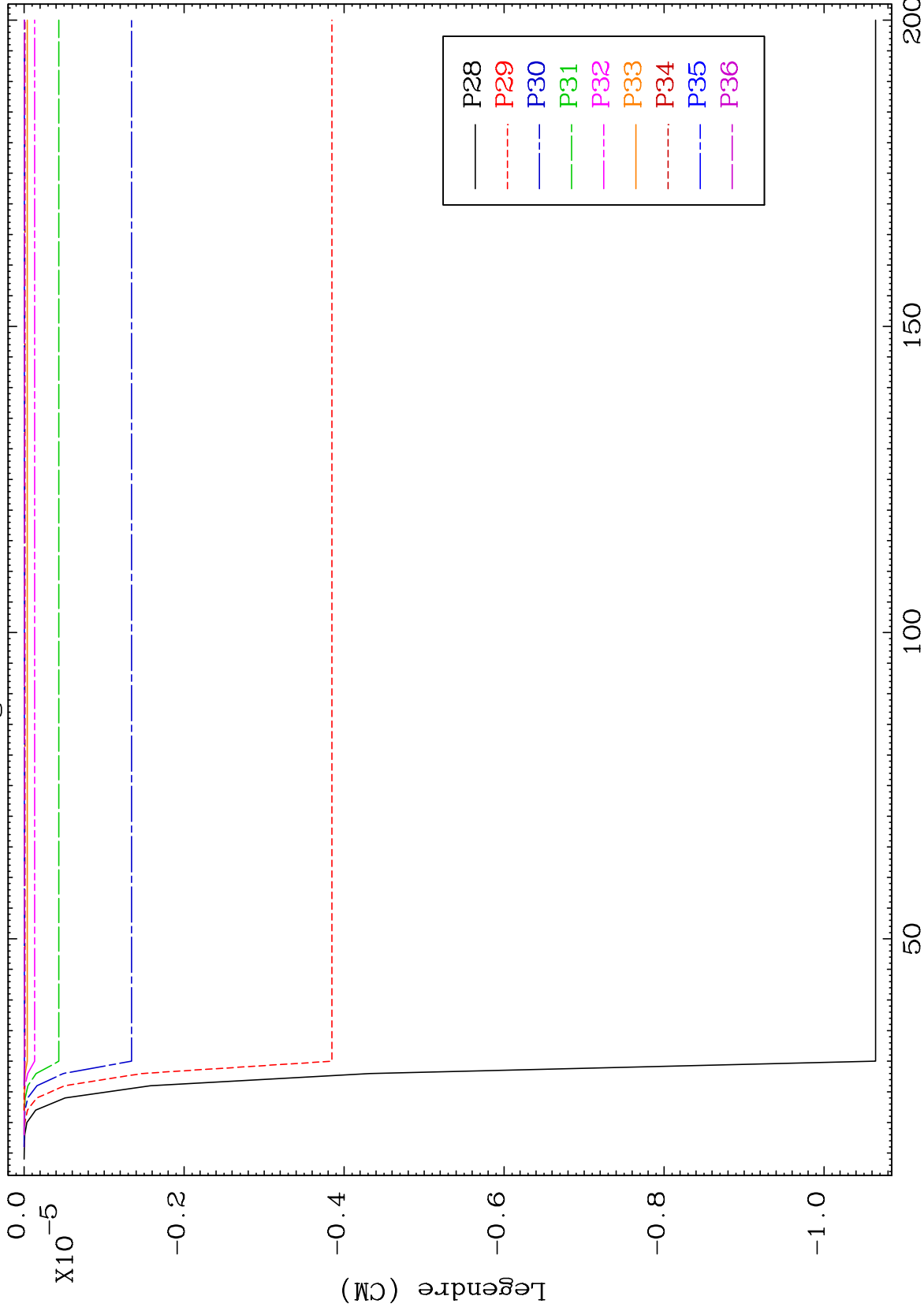
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



63-Eu-156

Incident Energy (MeV)

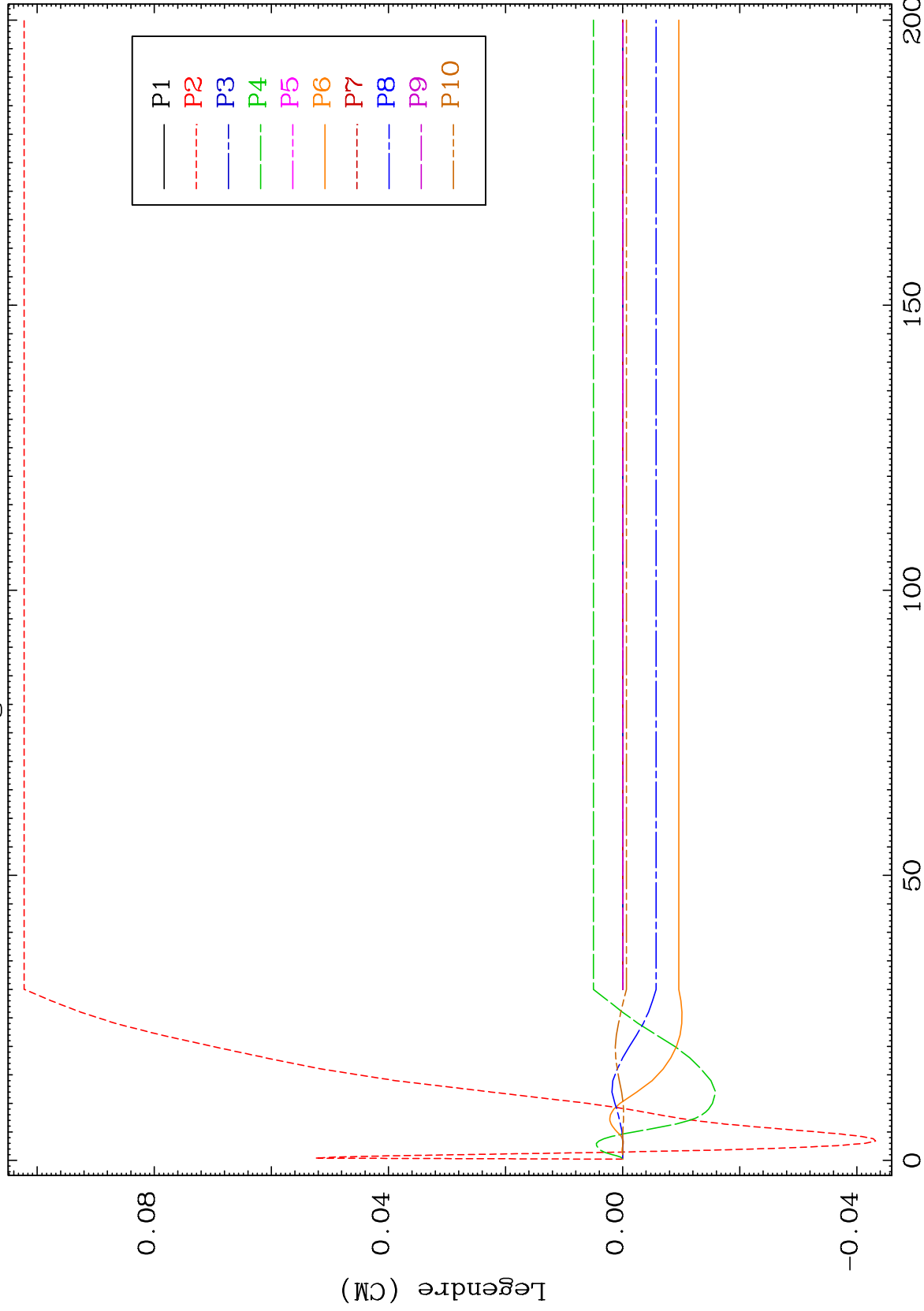
55



MAT 6340

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

63-Eu-156



56

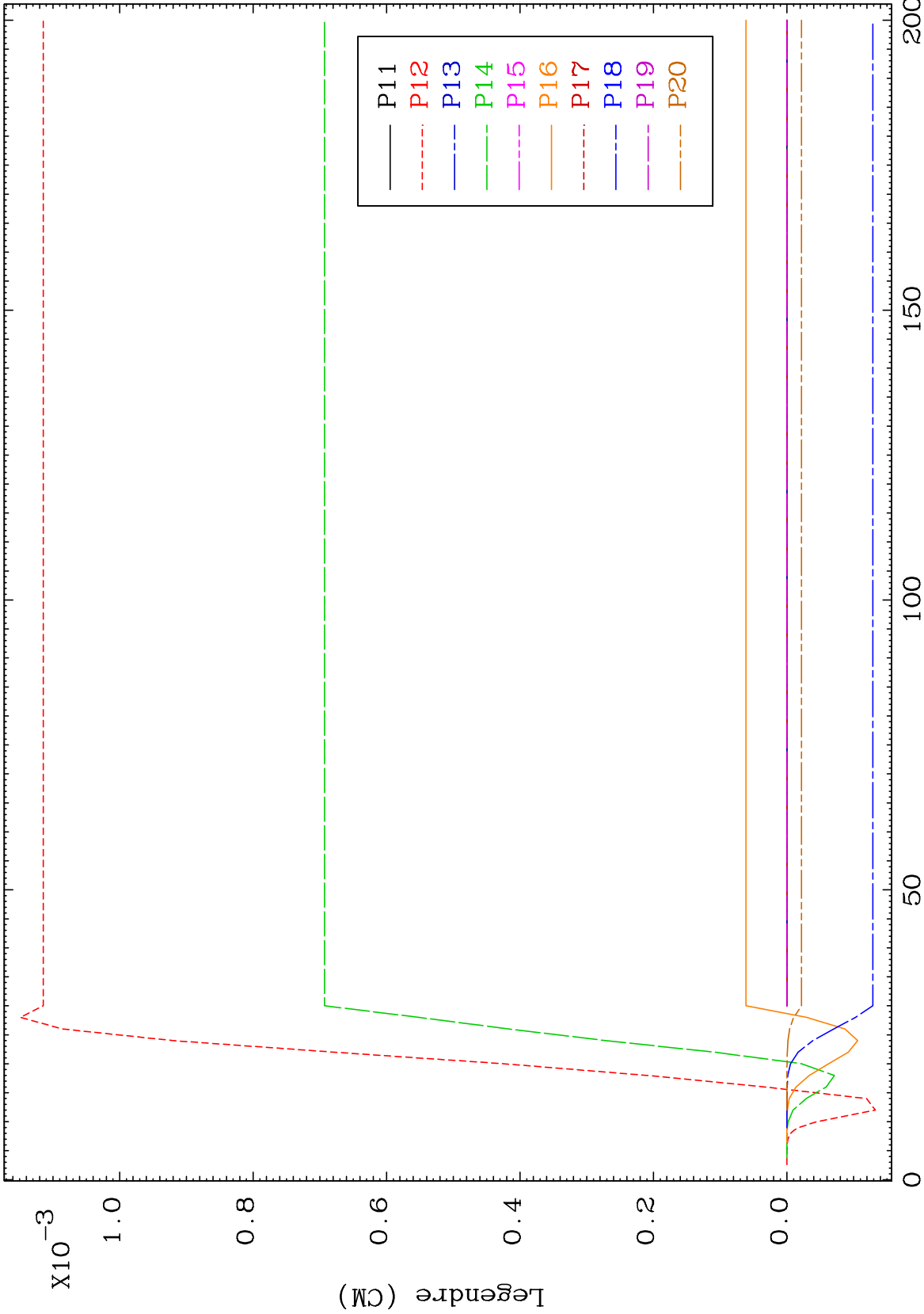
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



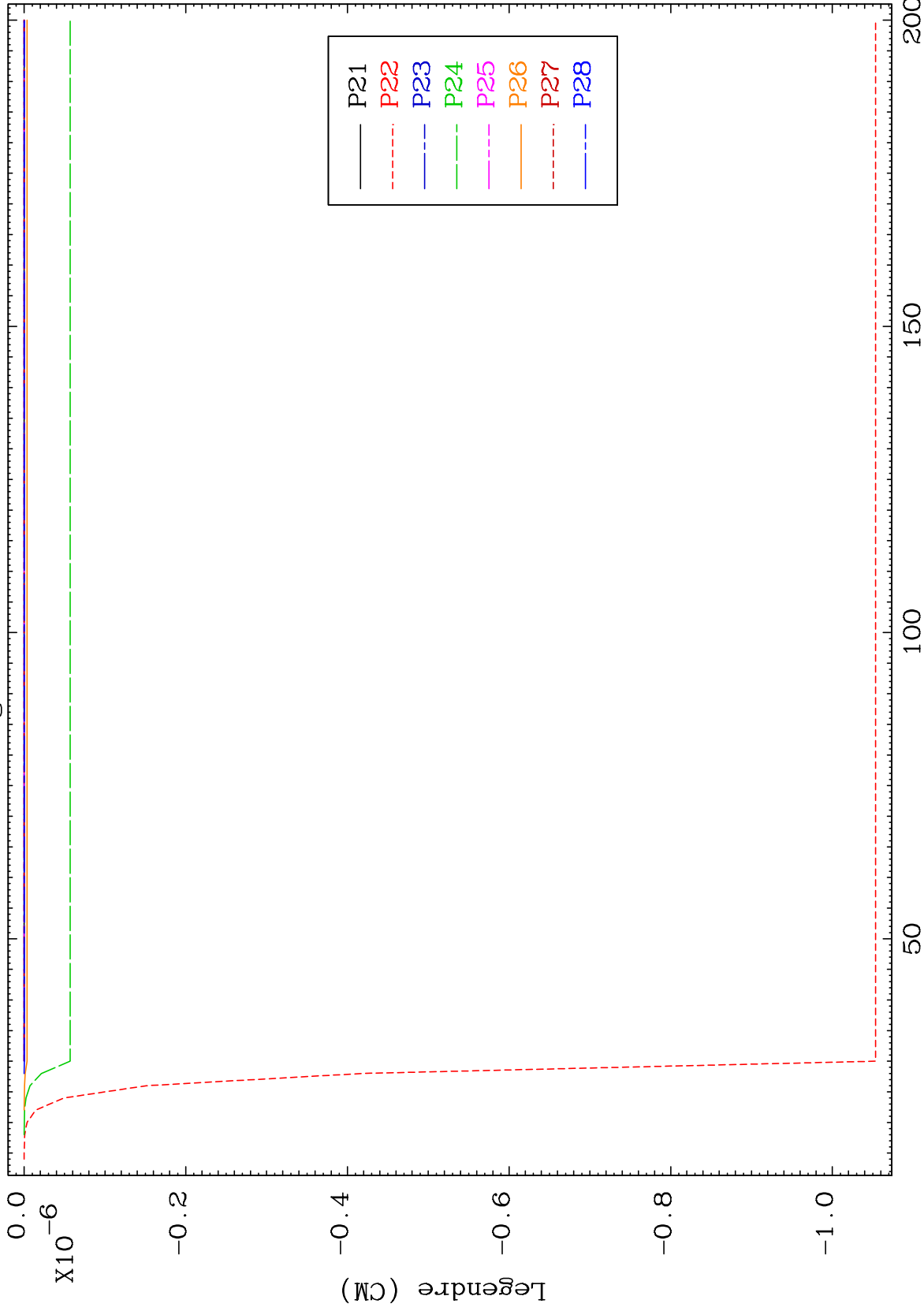
57

63-Eu-156

MAT 6340

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

63-Eu-156



58

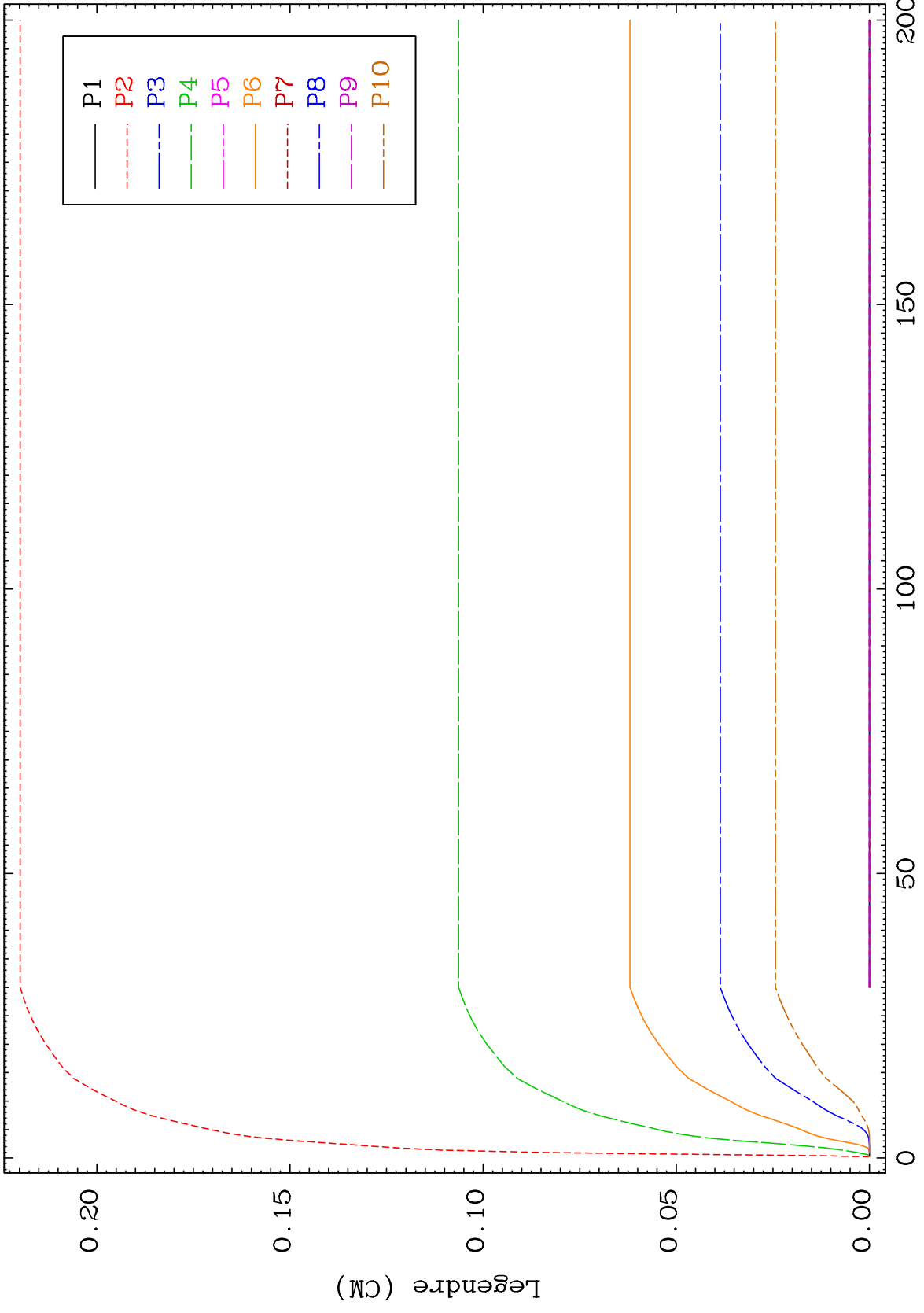
63-Eu-156

63-Eu-156

MAT 6340

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

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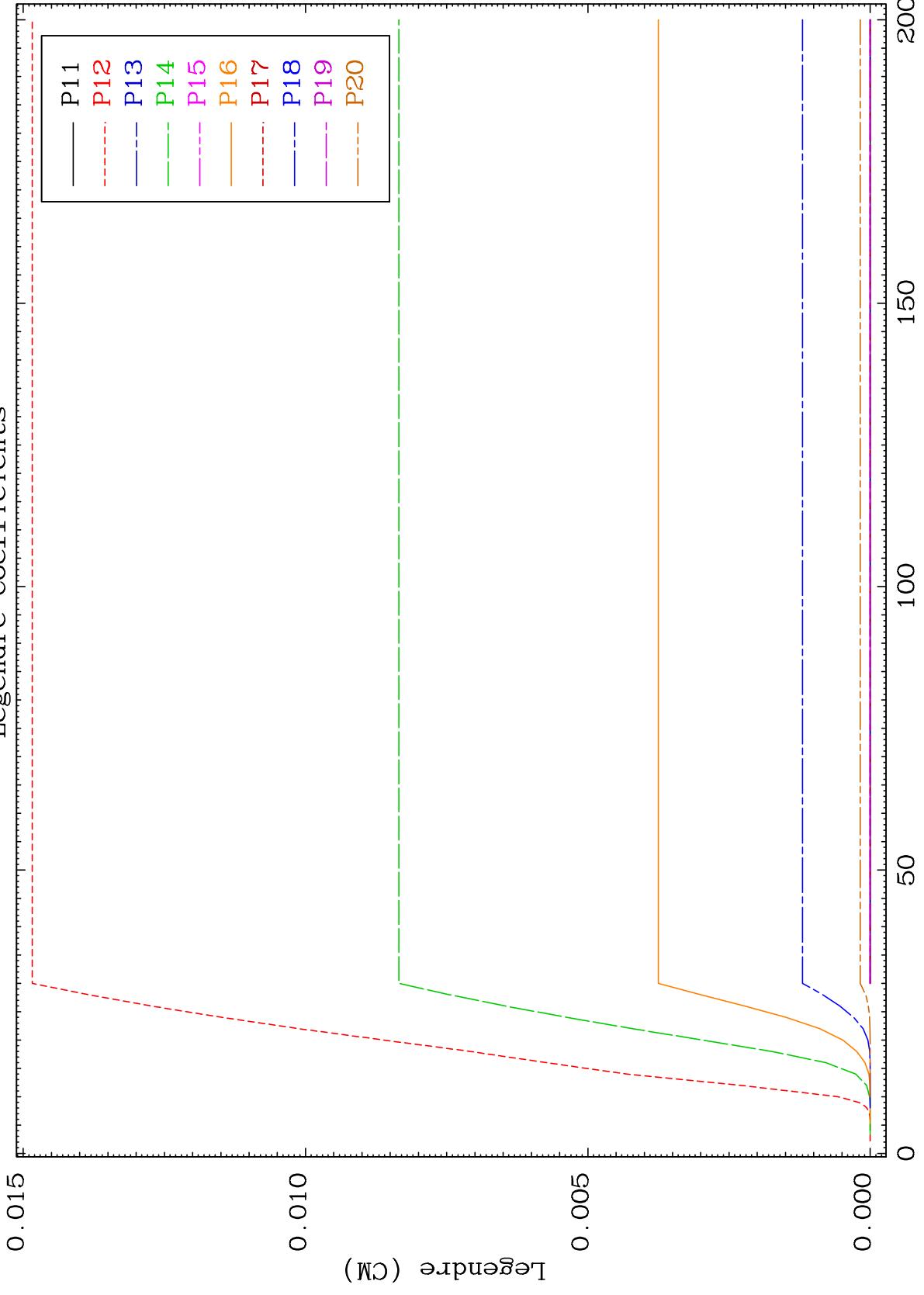


59

Incident Energy (MeV)

63-Eu-156

MAT 6340 MT= 62 (n,n') Level Legendre Coefficients 63-Eu-156

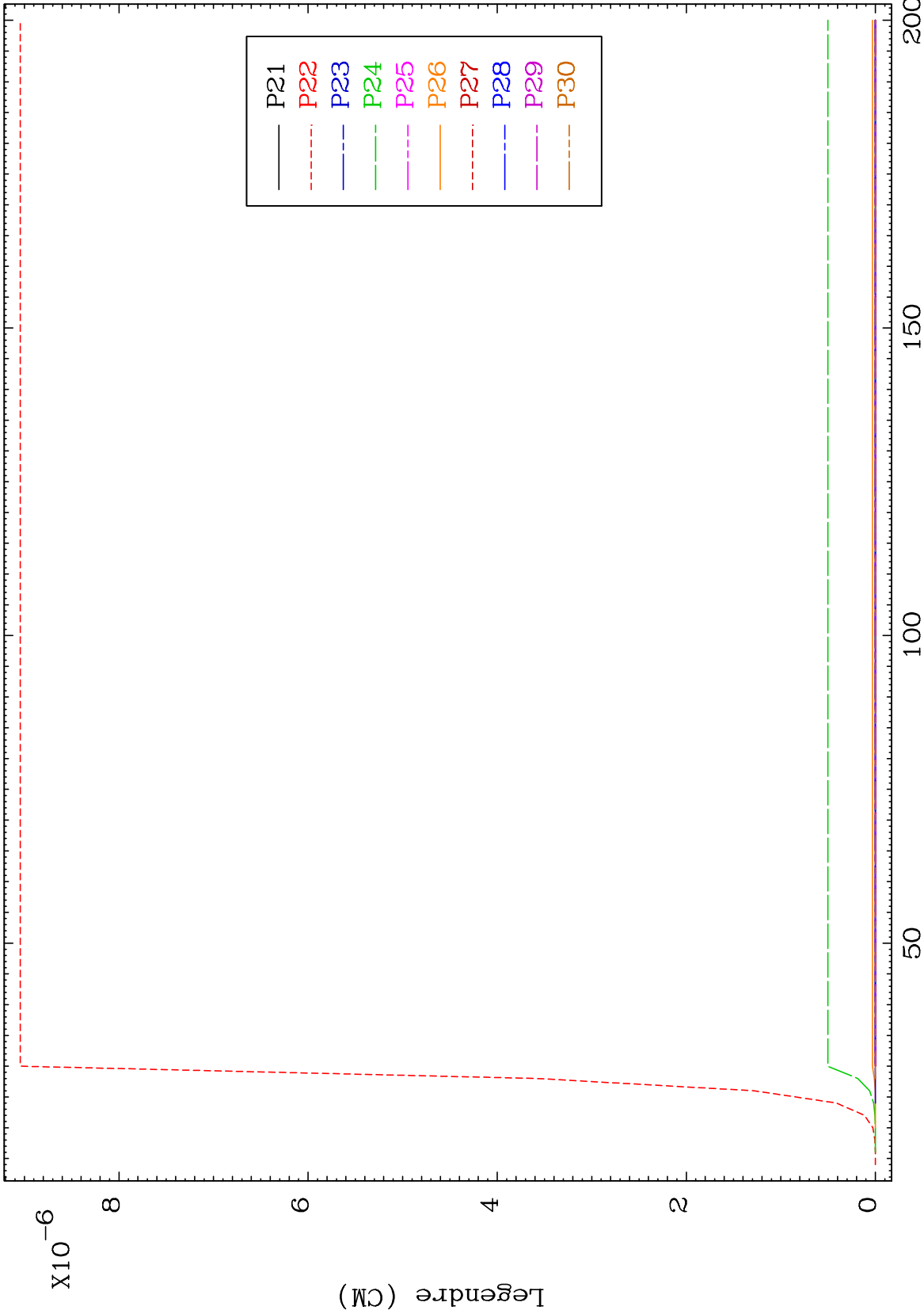


63-Eu-156

MAT 6340

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

63-Eu-156



61

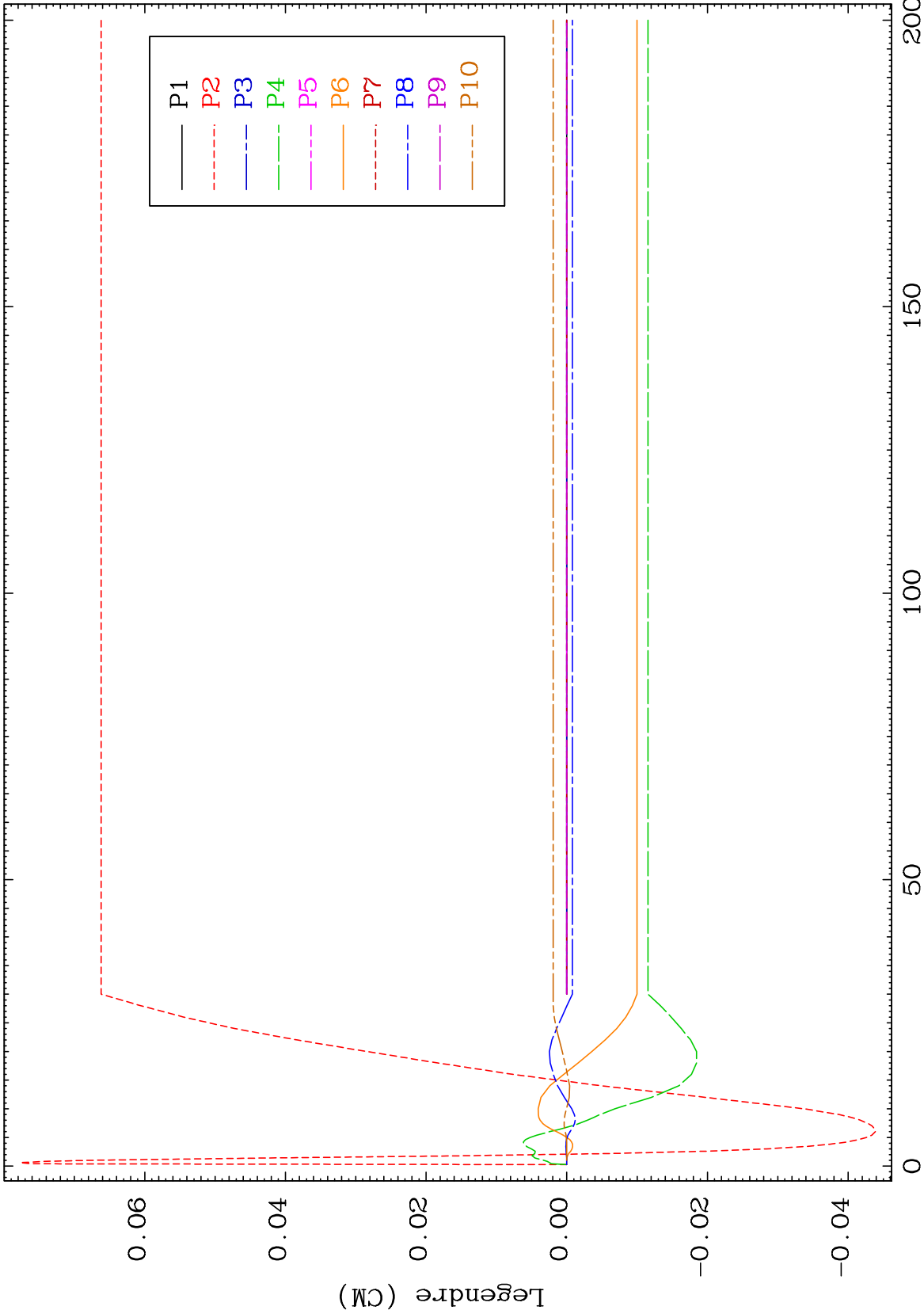
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



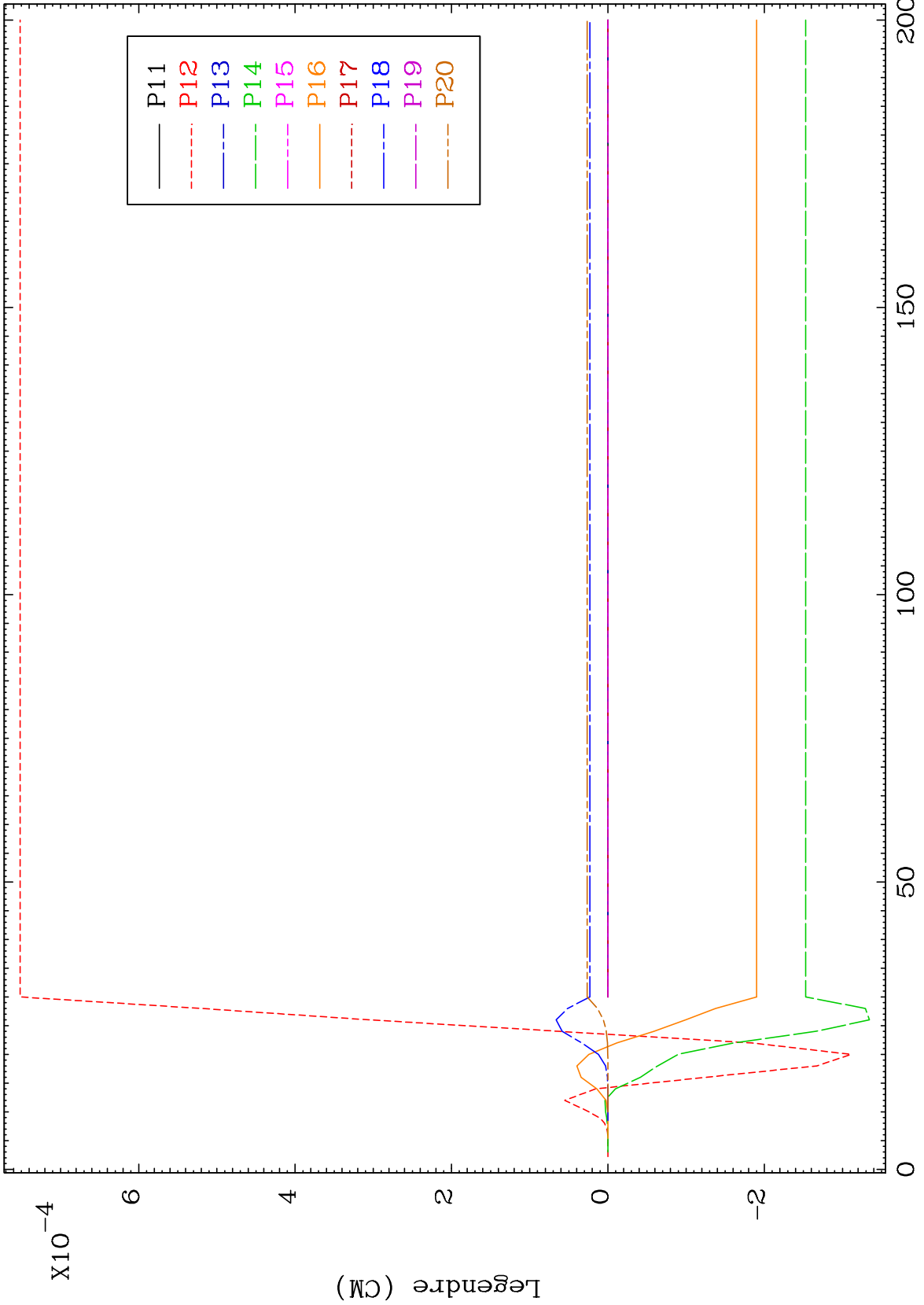
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63-Eu-156

MAT 6340

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

63-Eu-156



63

Incident Energy (MeV)

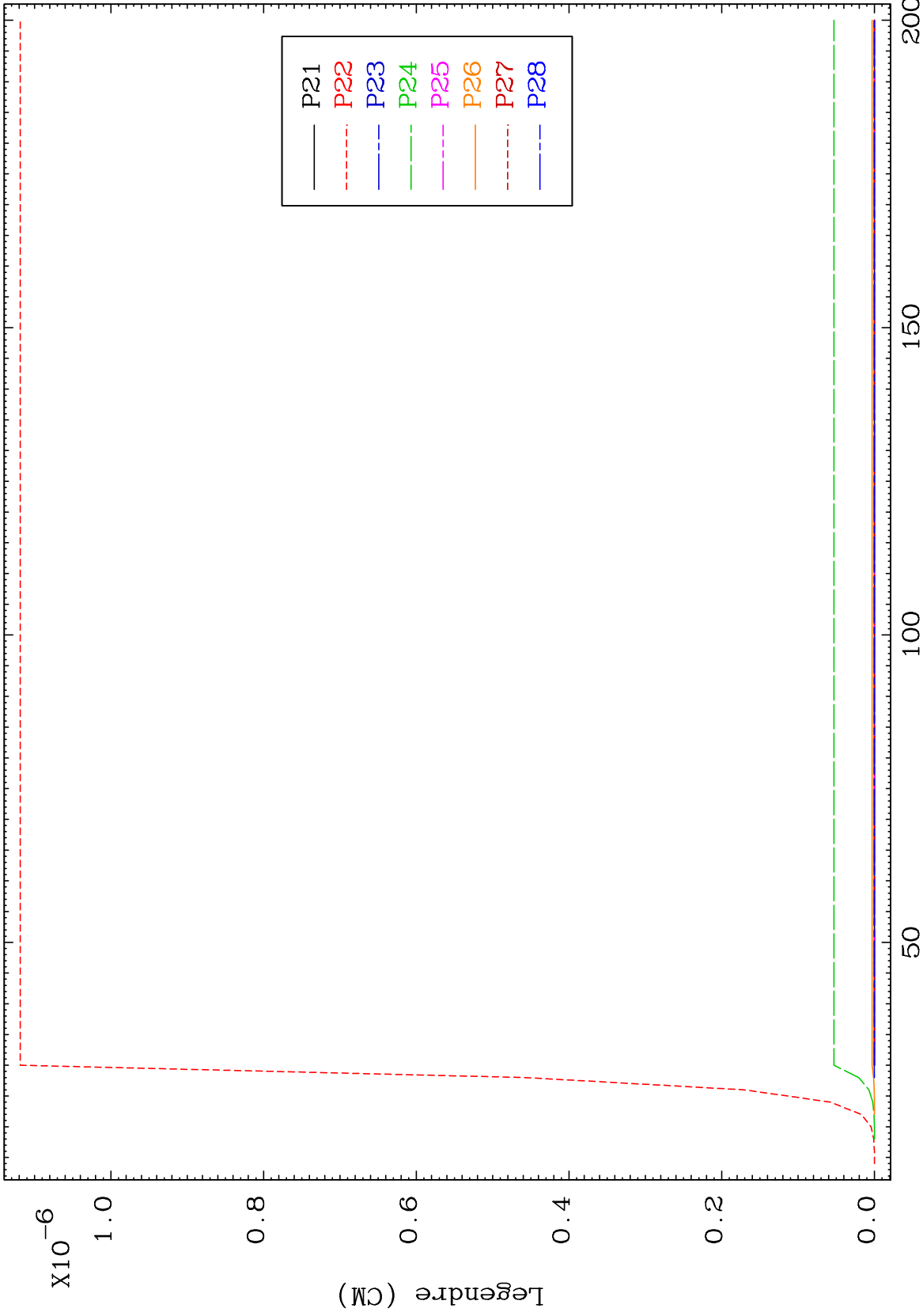
63-Eu-156



MAT 6340

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

63-Eu-156



64

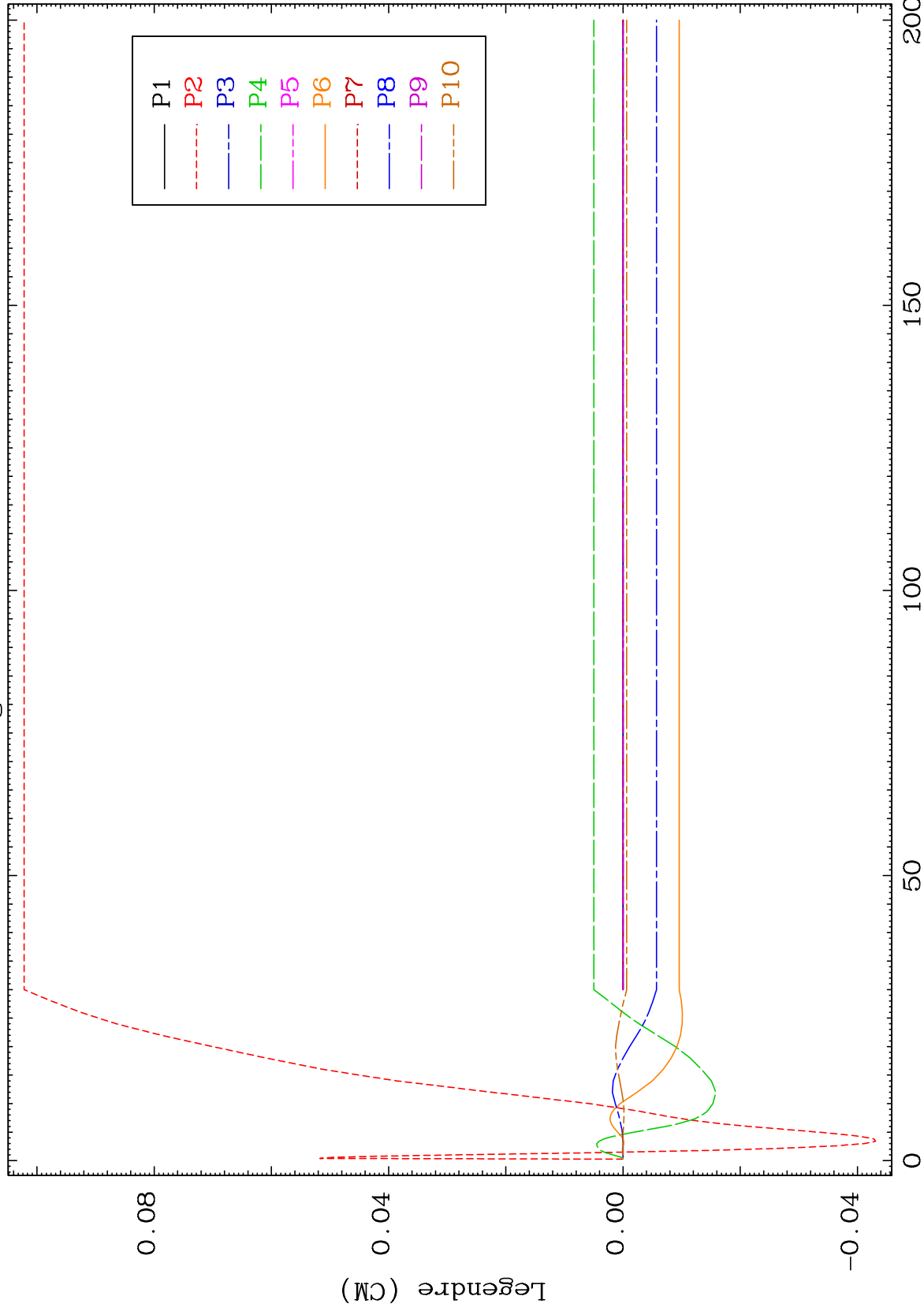
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



65

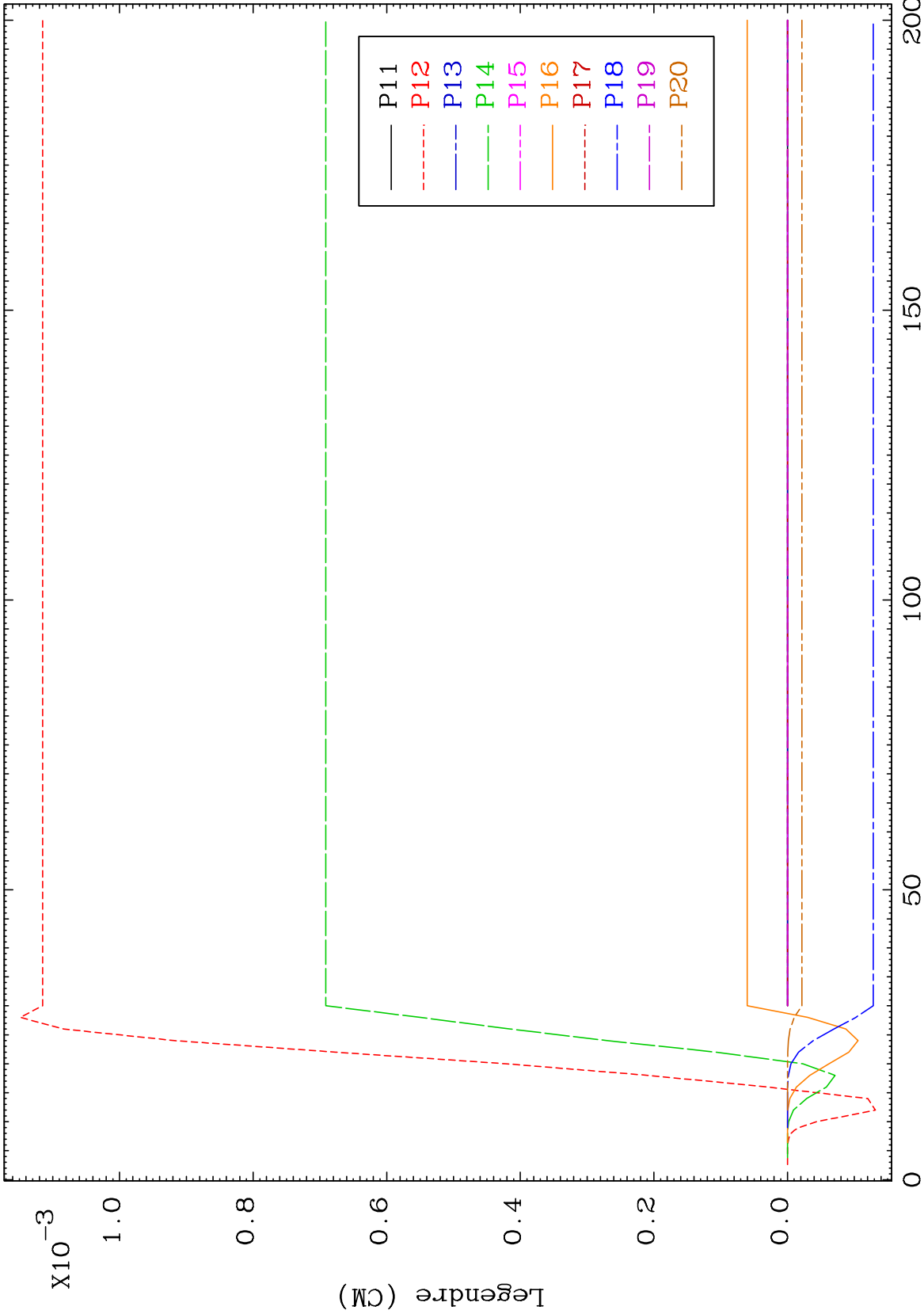
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



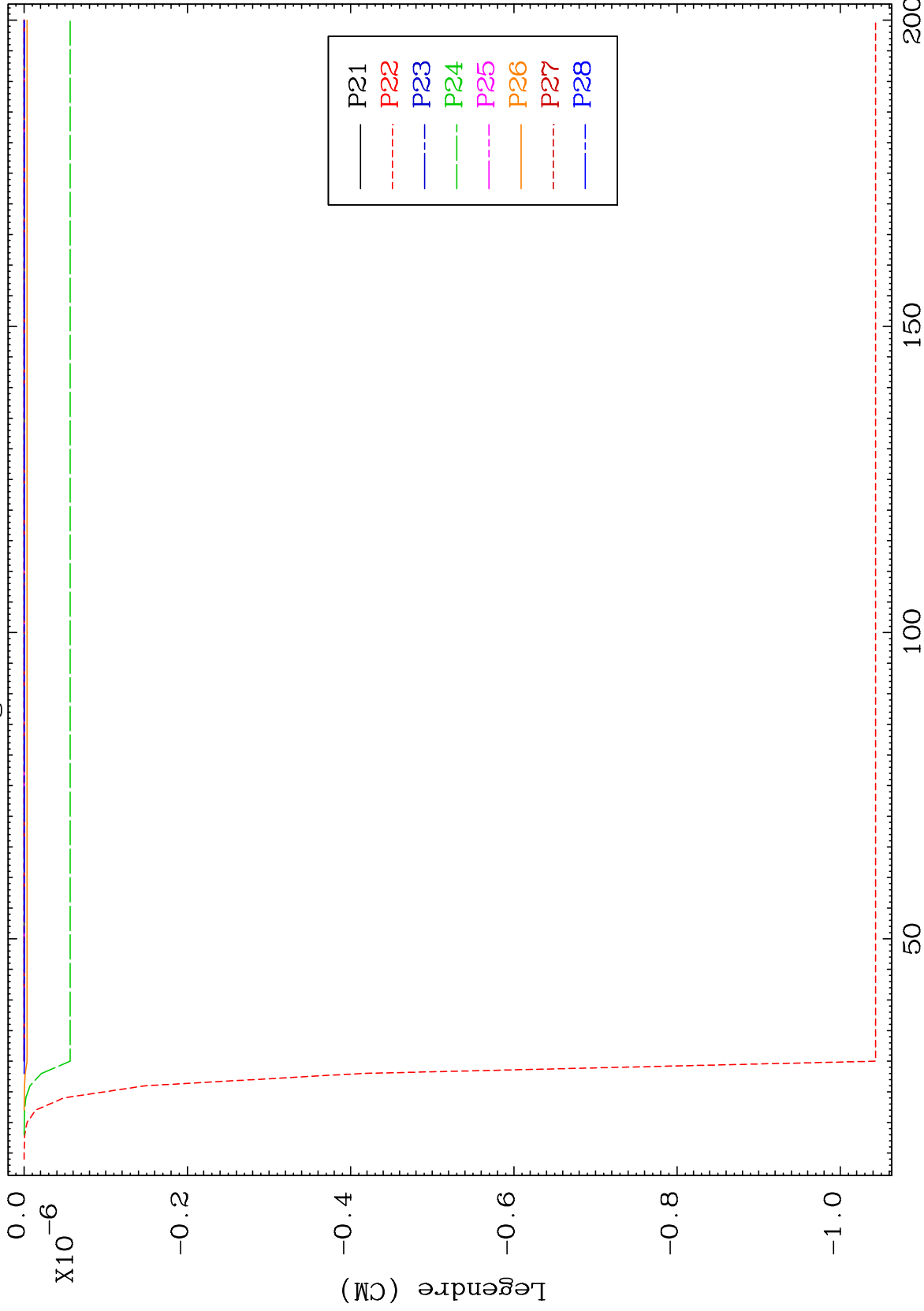
66

63-Eu-156

MAT 6340

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

63-Eu-156



67

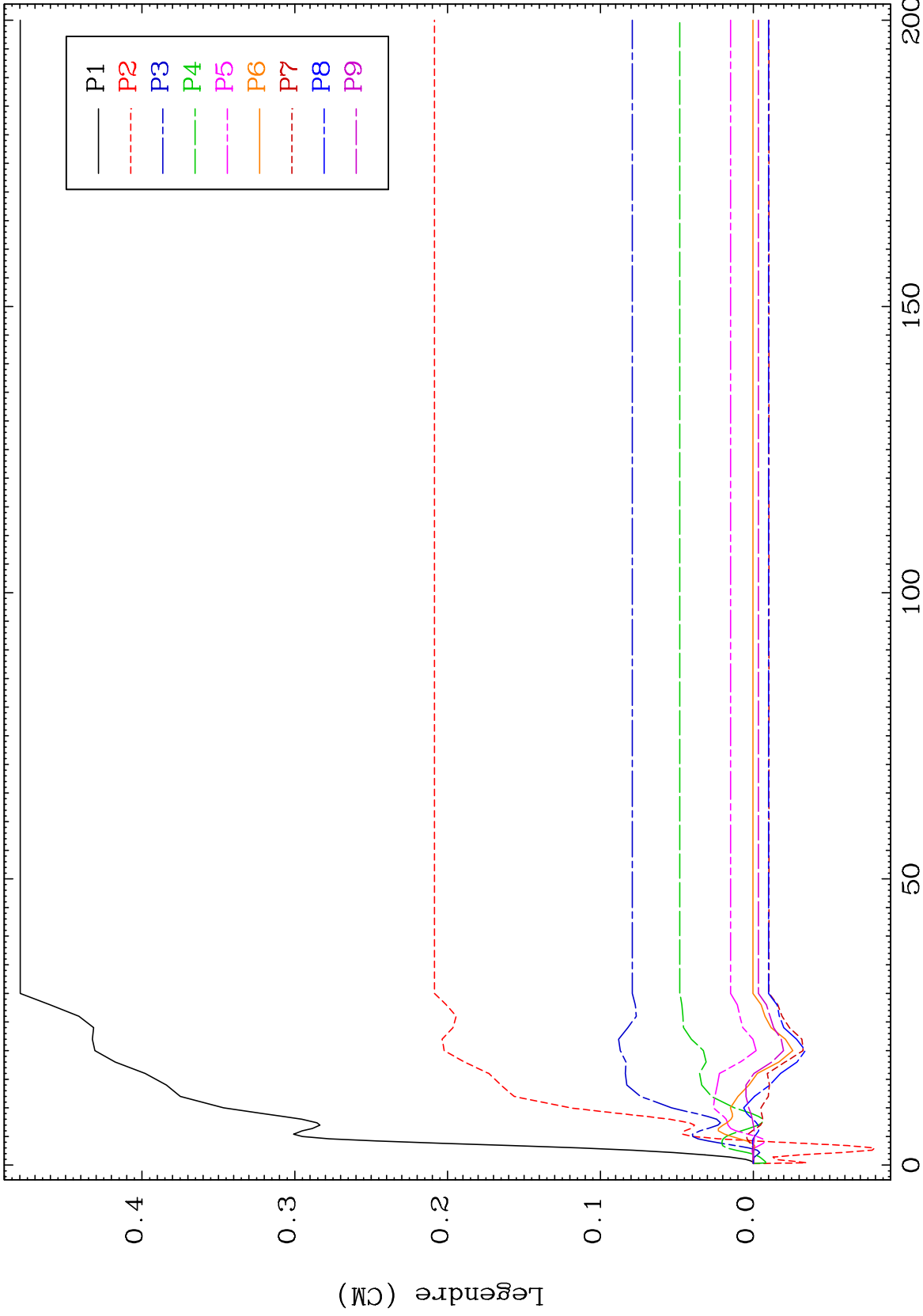
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



68

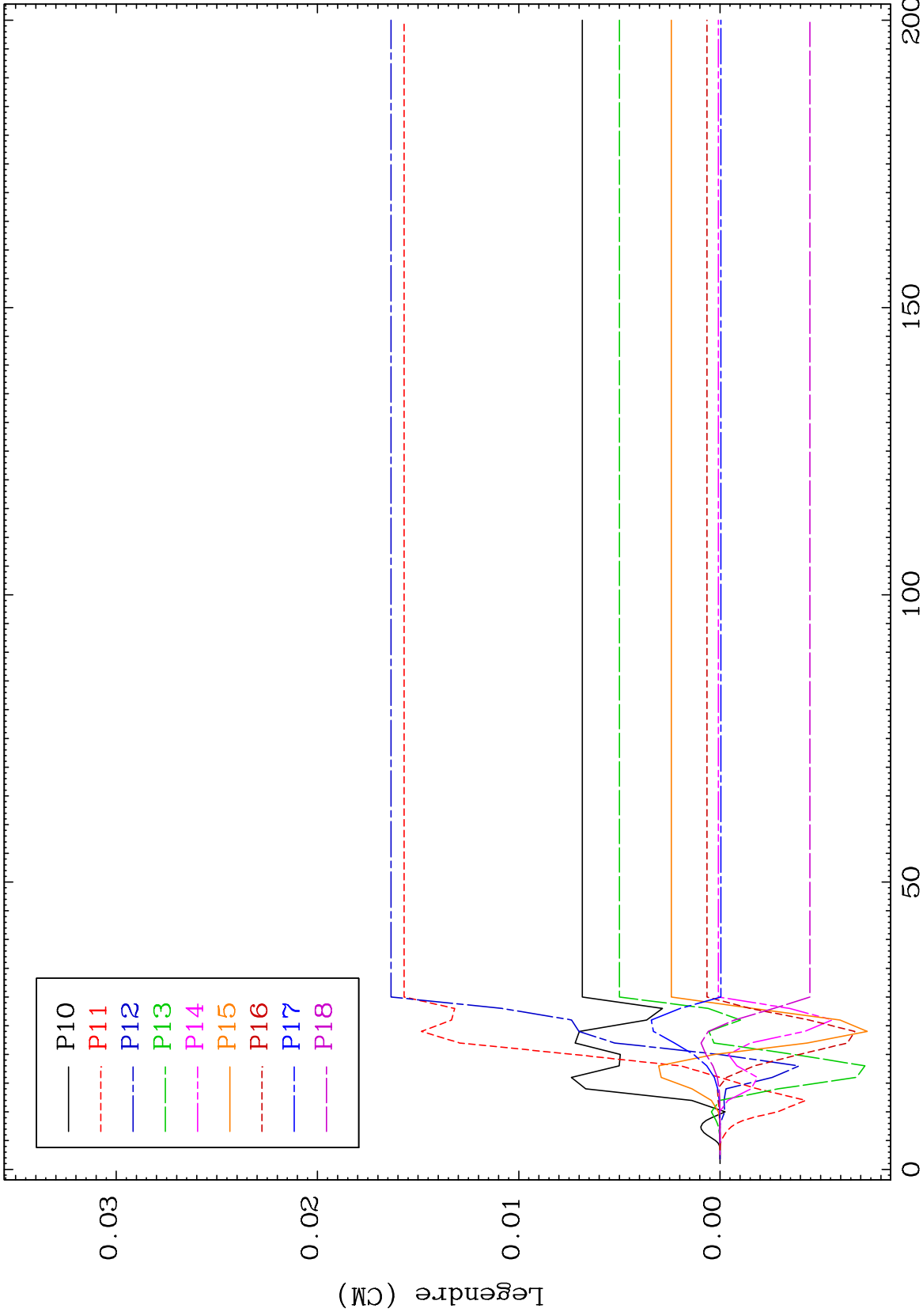
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



69

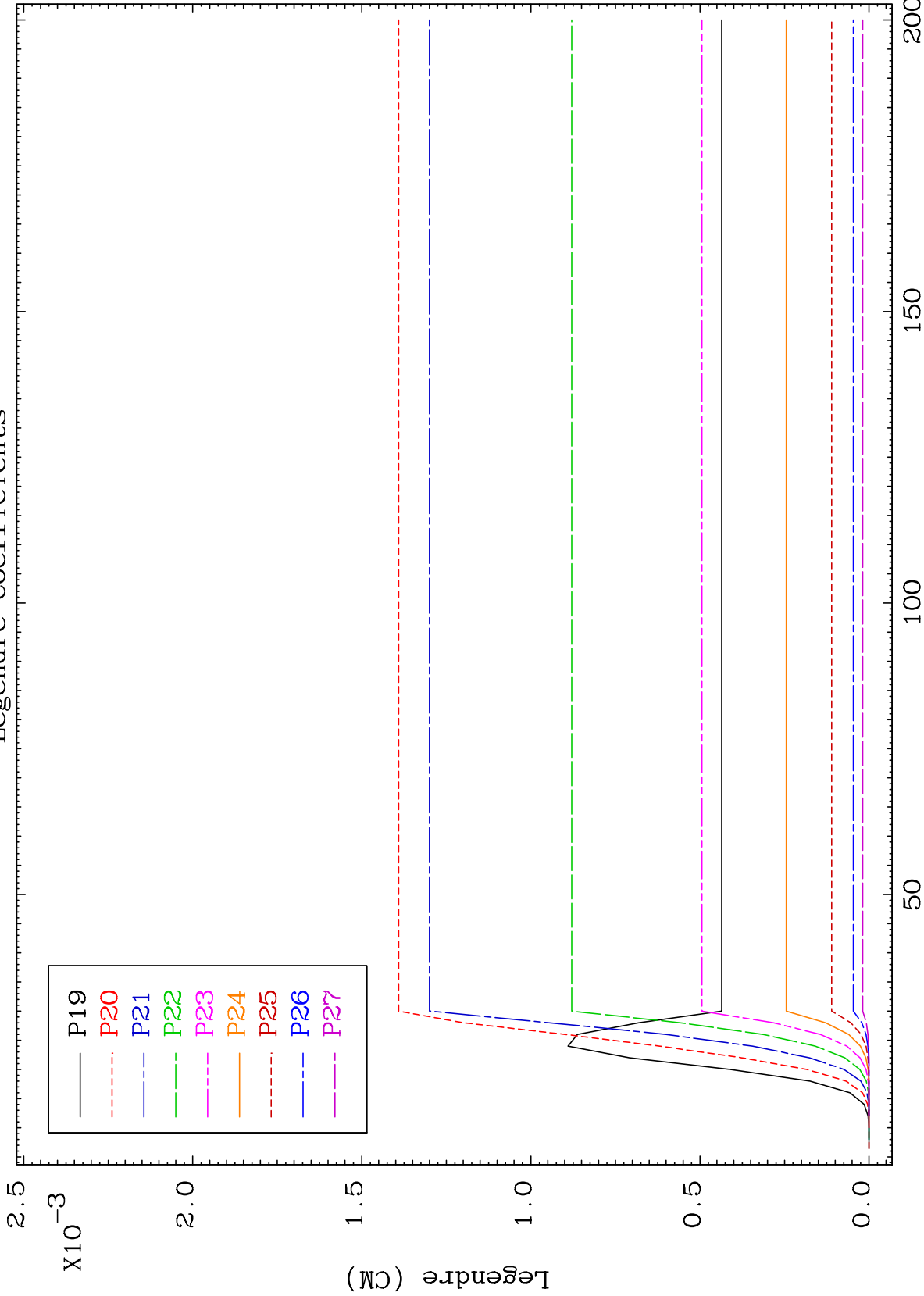
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



70

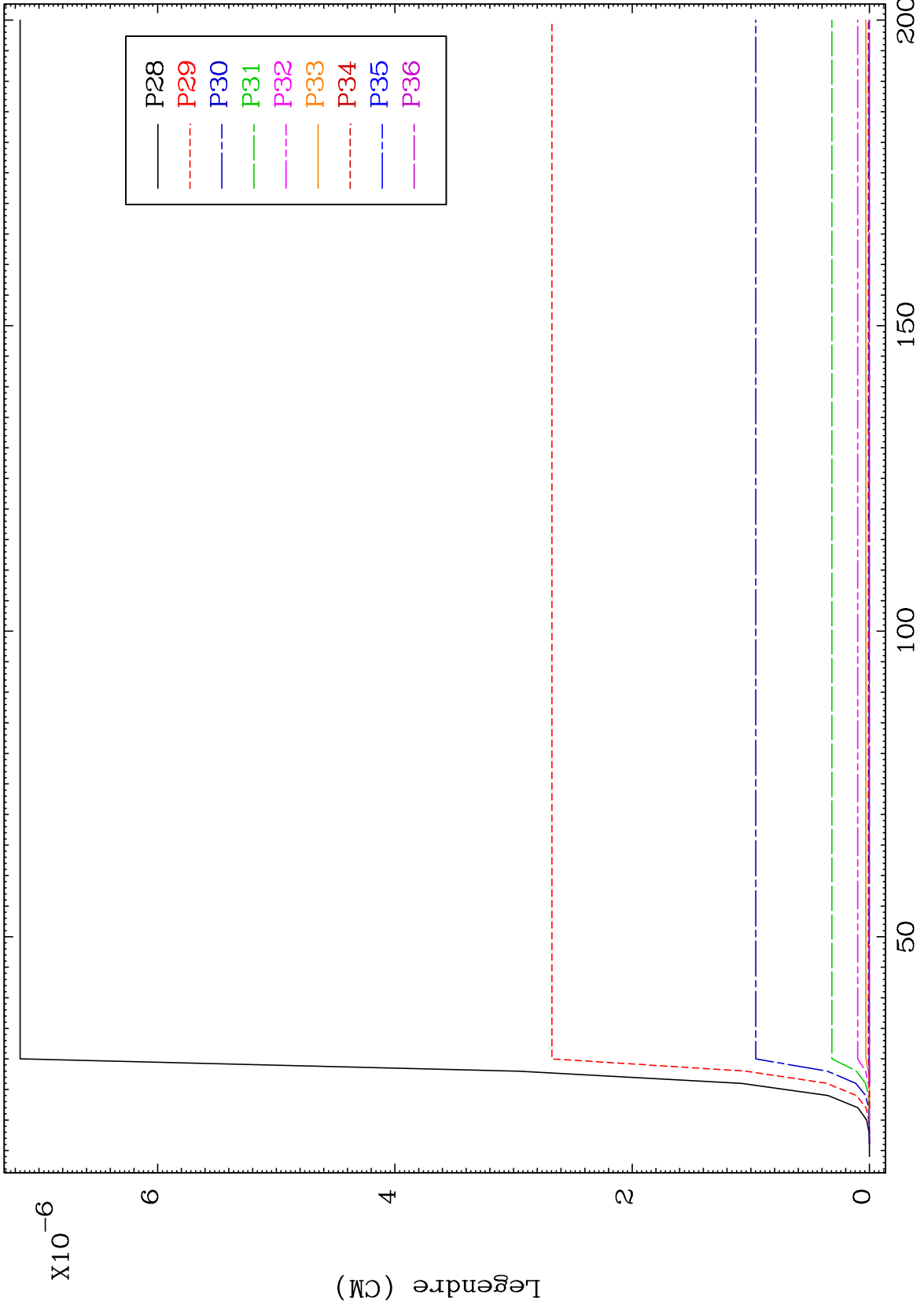
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



71

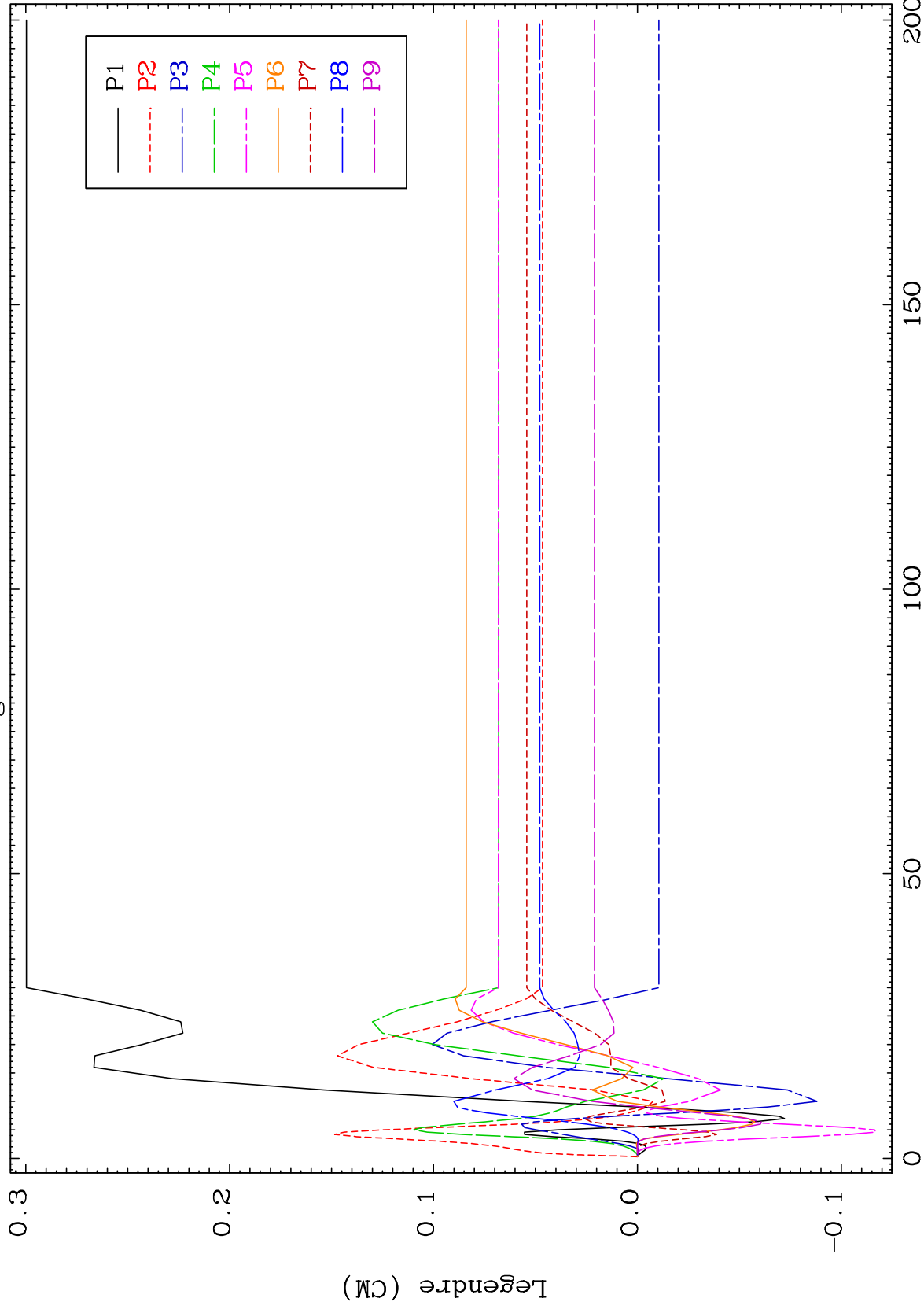
63-Eu-156



MAT 6340

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

63-Eu-156



72

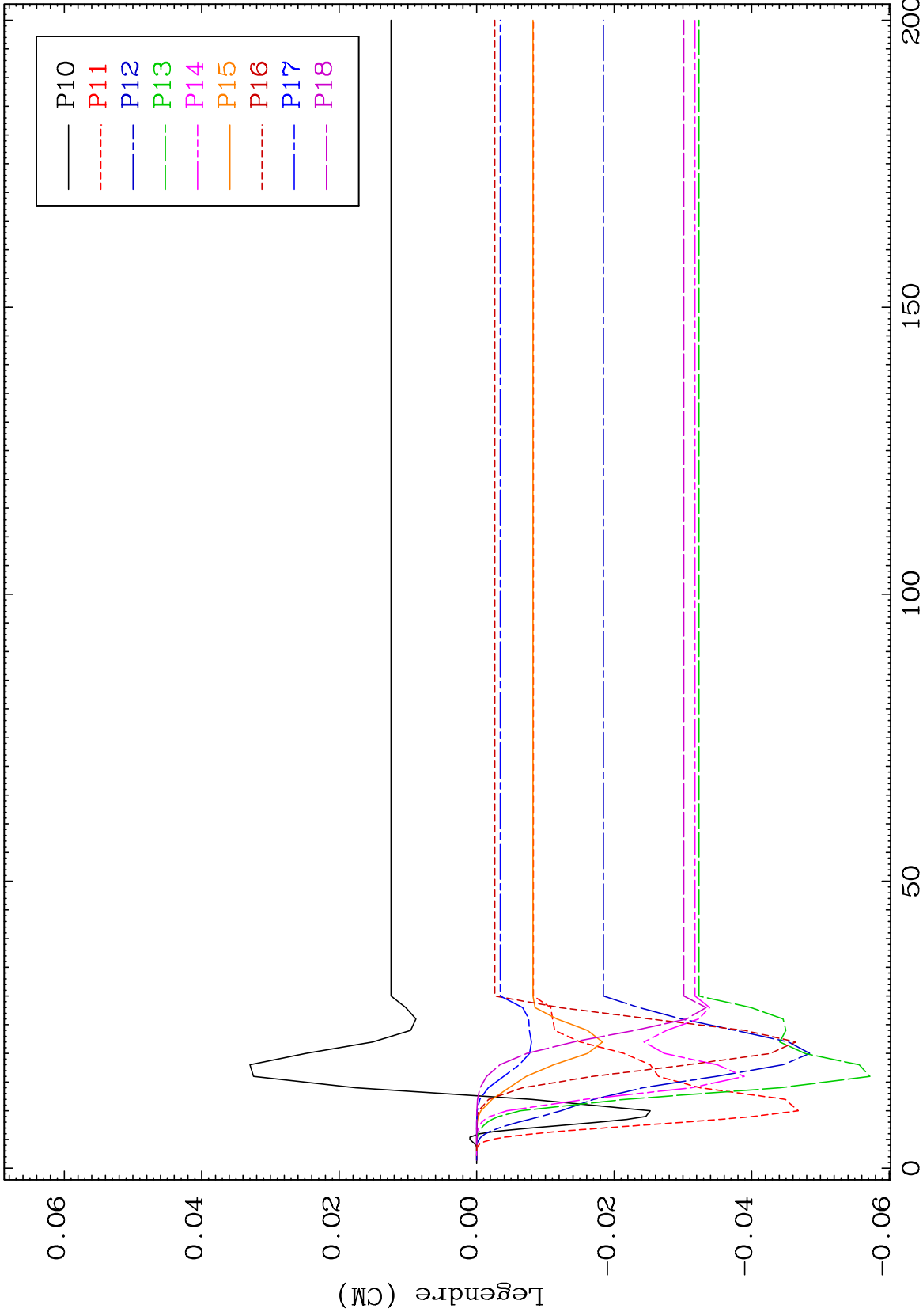
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



73

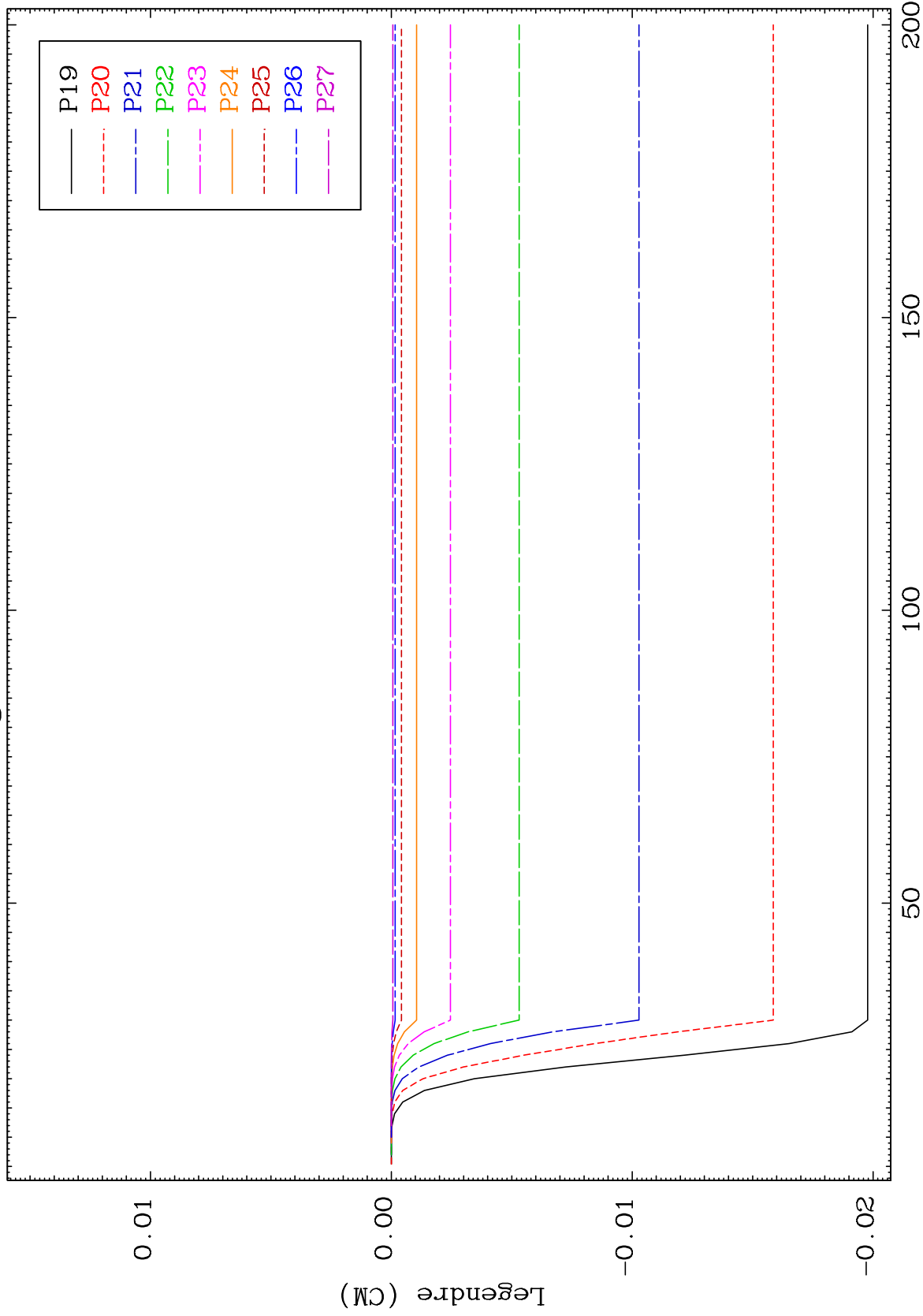
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



74

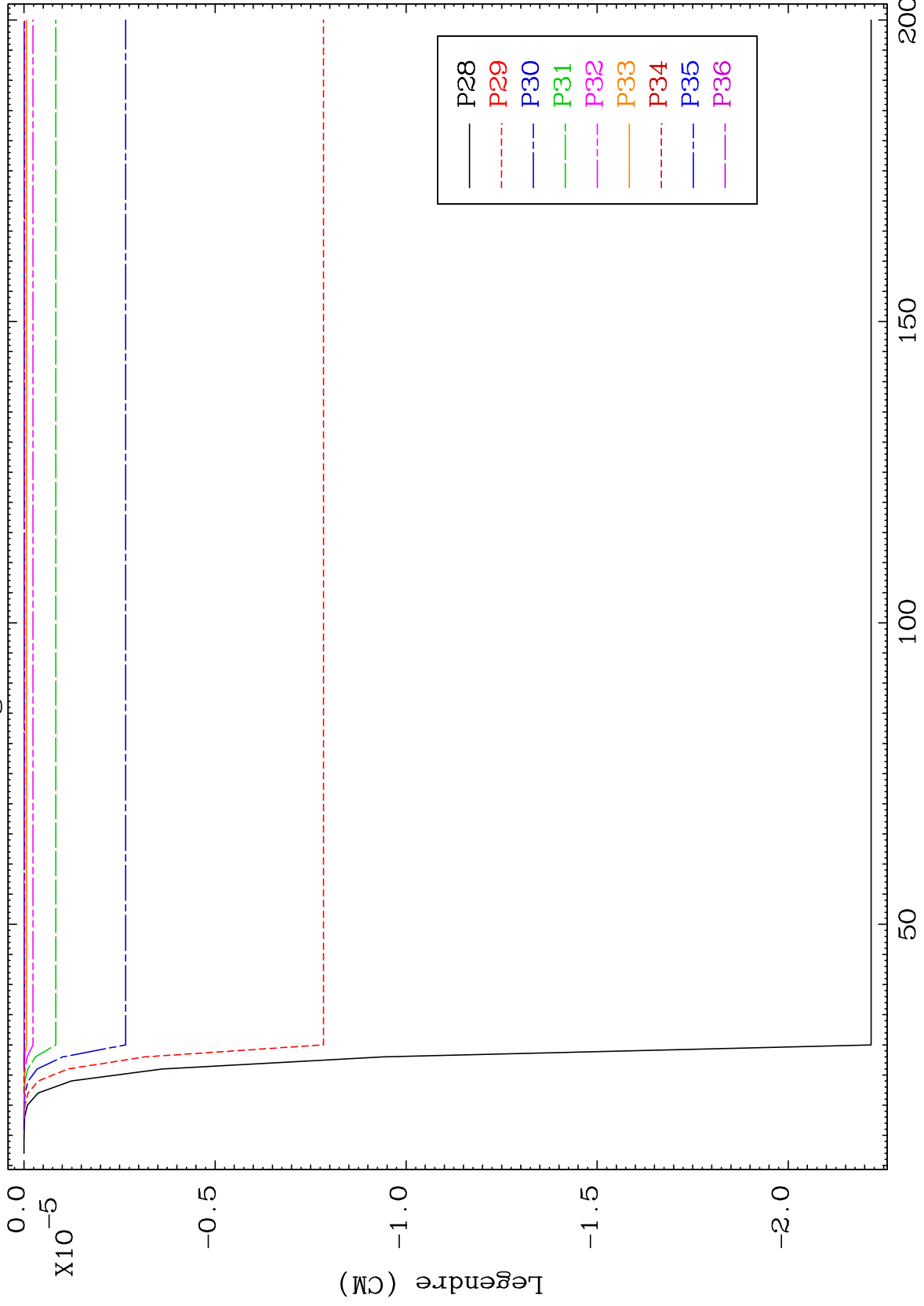
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



75

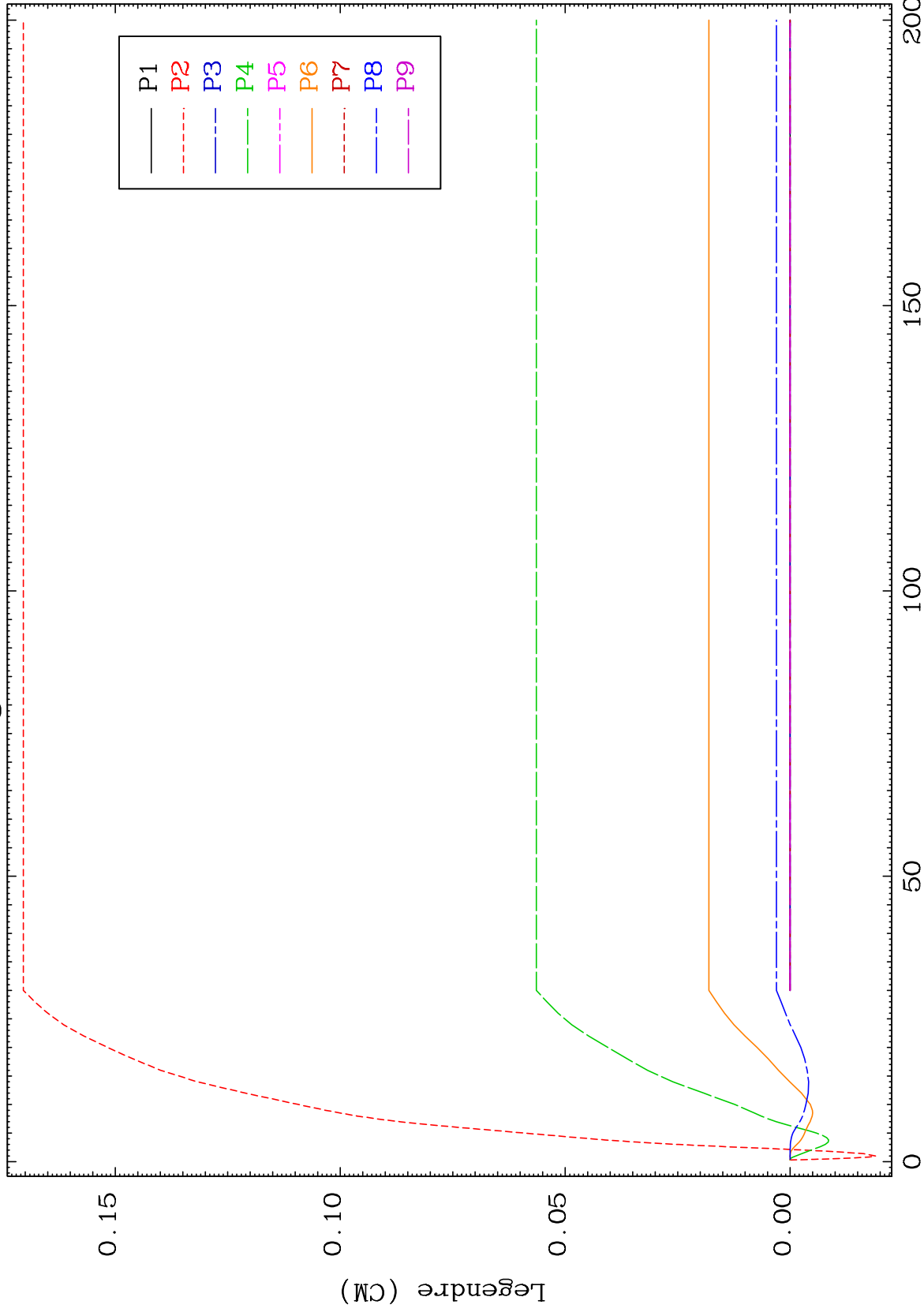
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



76

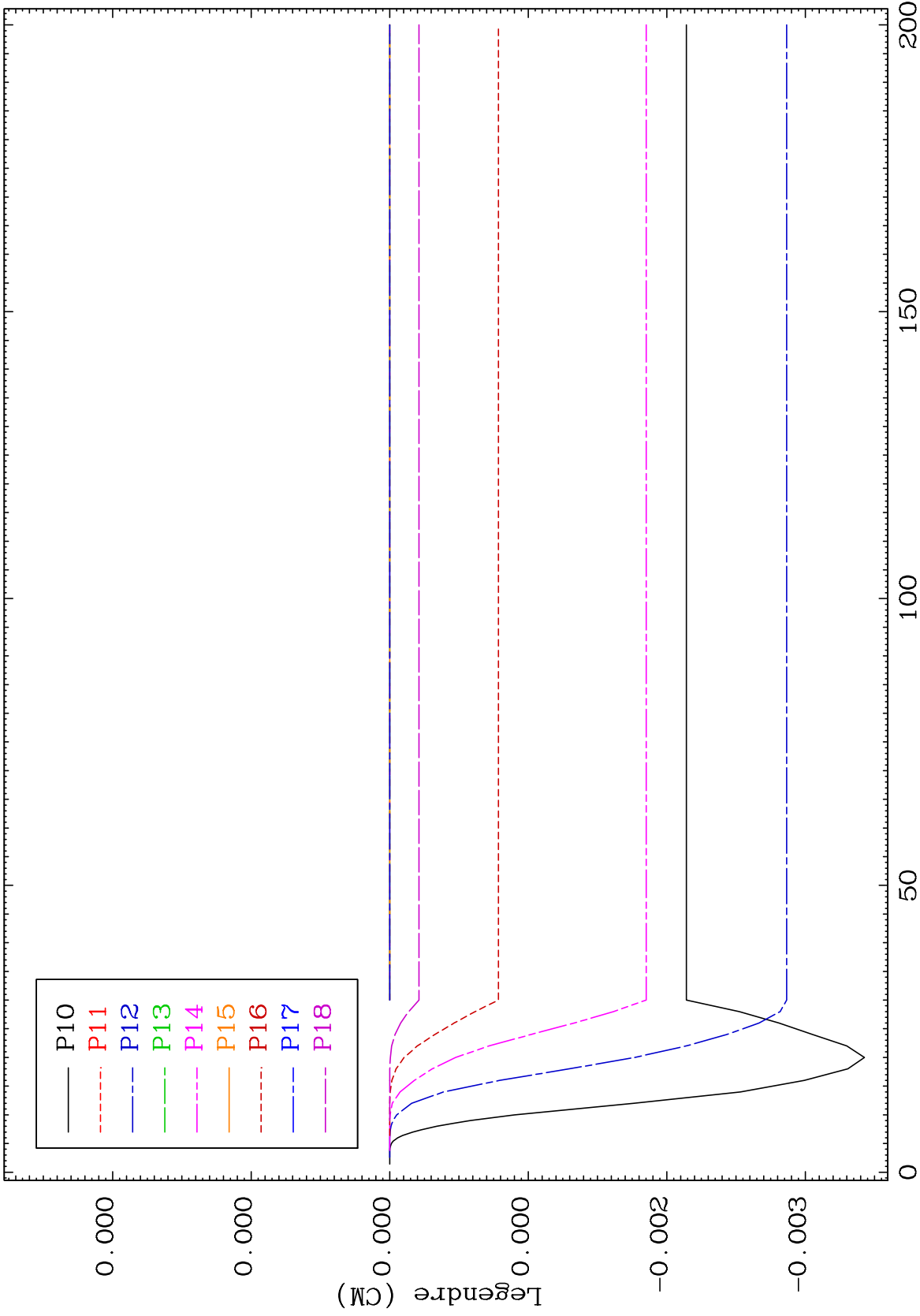
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



77

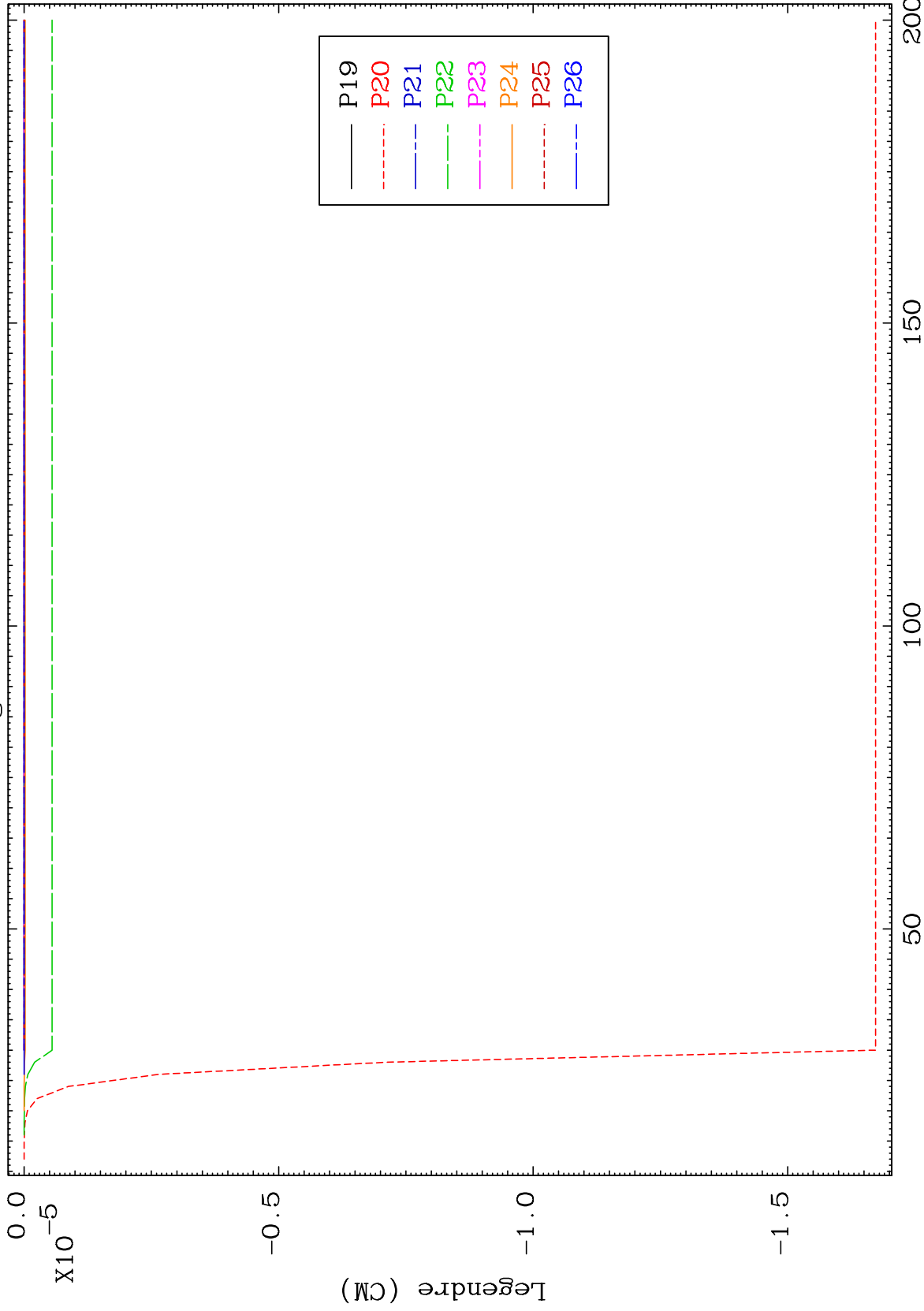
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



78

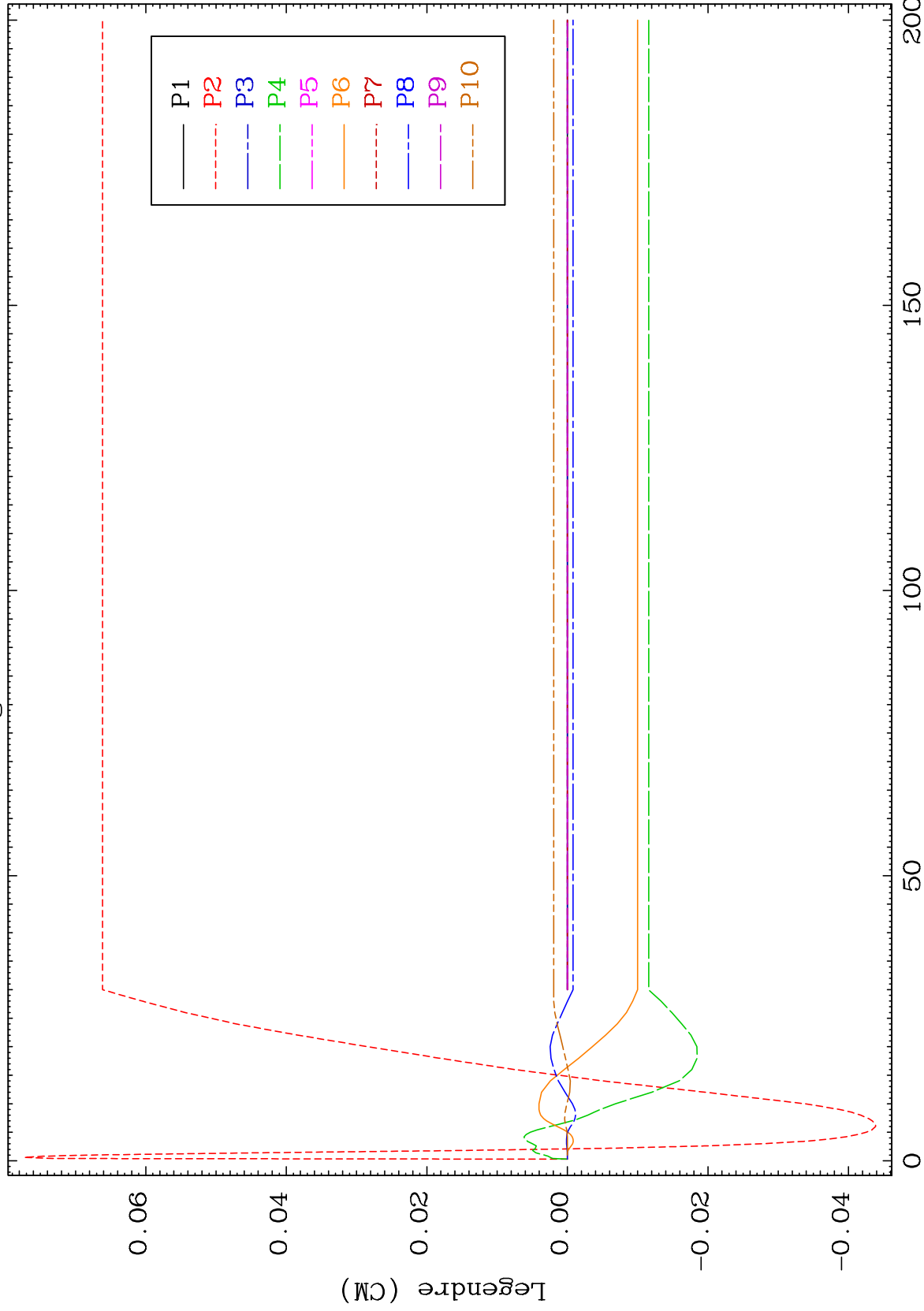
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



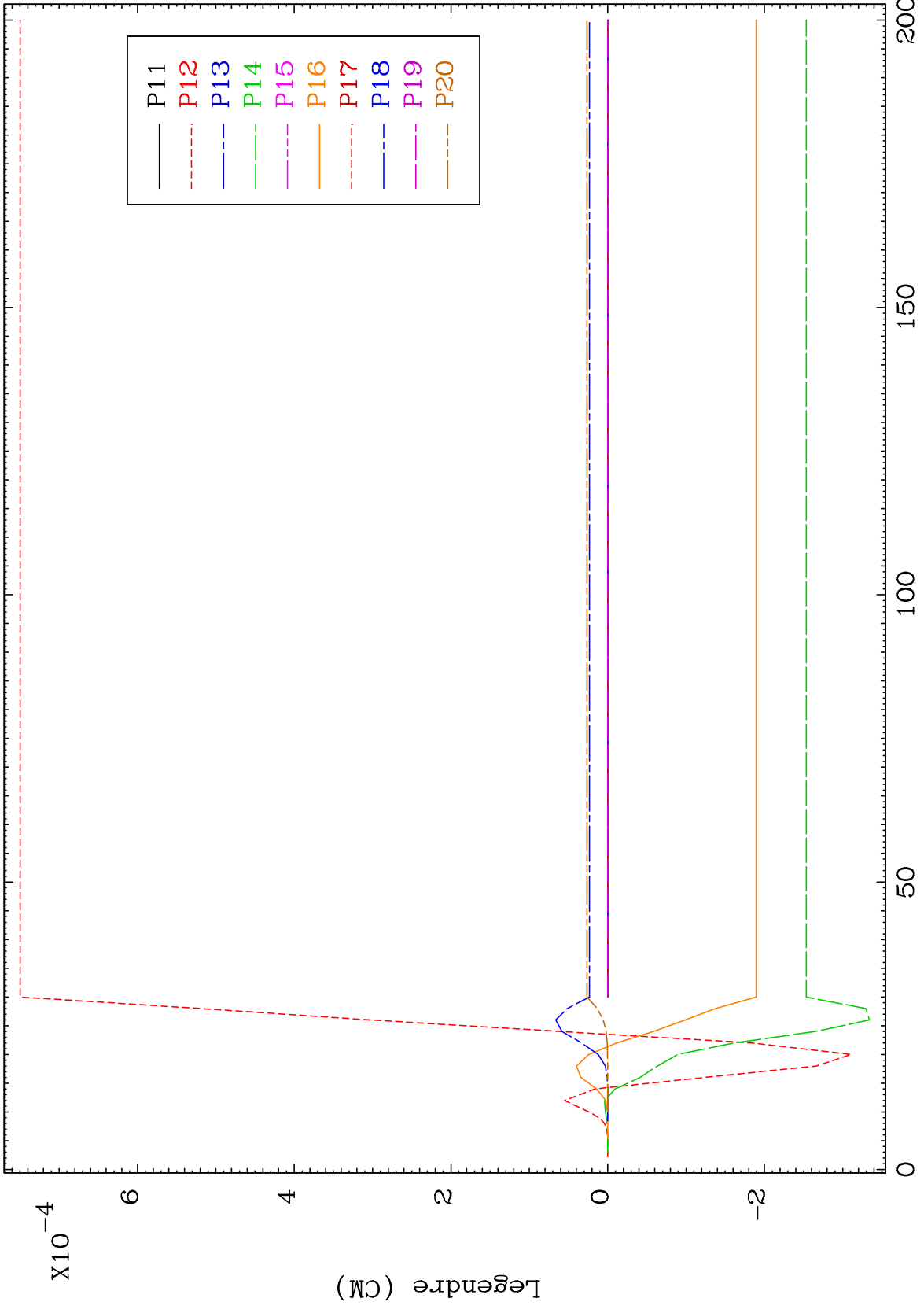
79

Incident Energy (MeV)

63-Eu-156



MAT 6340 MT= 68 (n,n') Level Legendre Coefficients 63-Eu-156

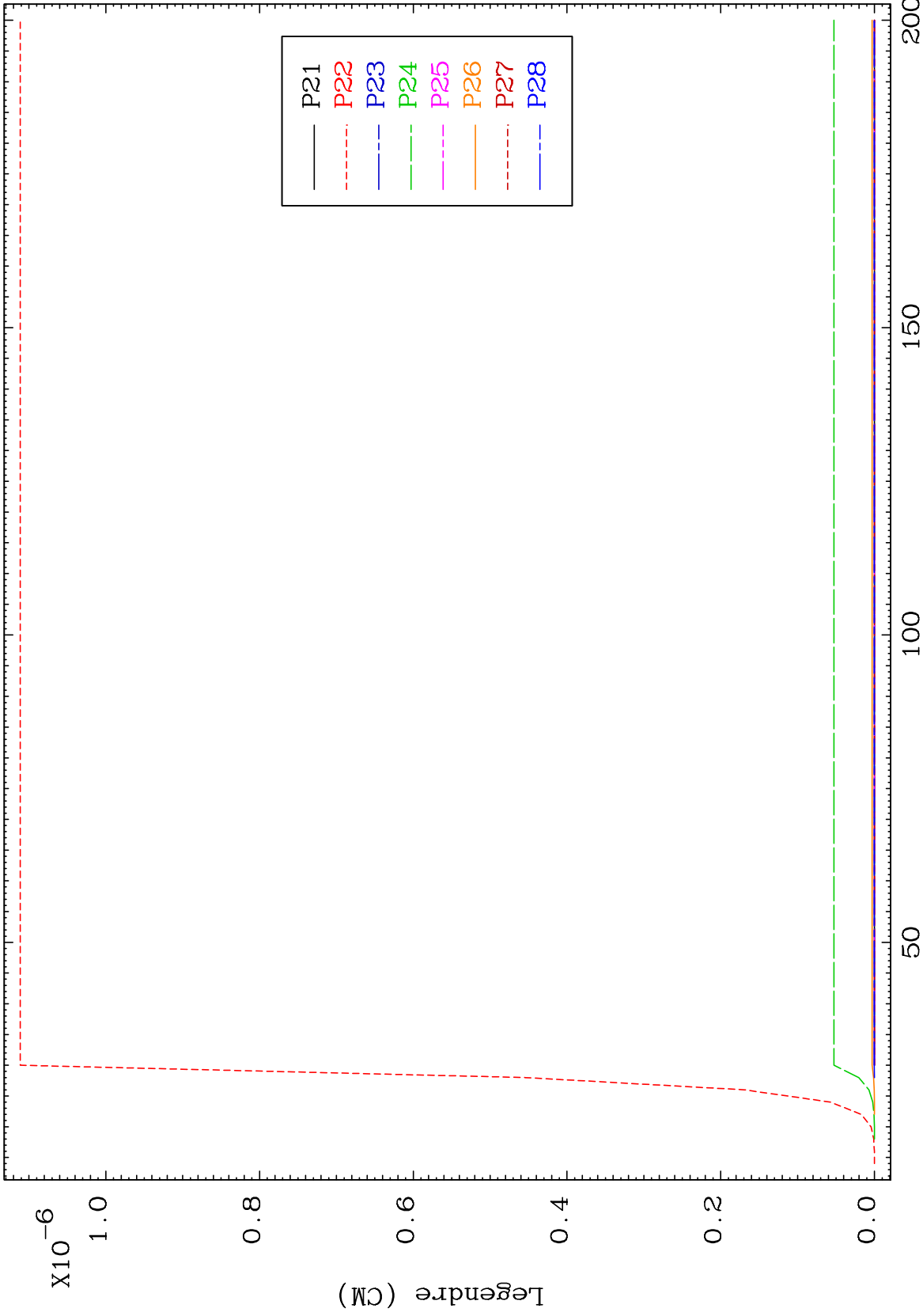


80 Incident Energy (MeV) 63-Eu-156

MAT 6340

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

63-Eu-156

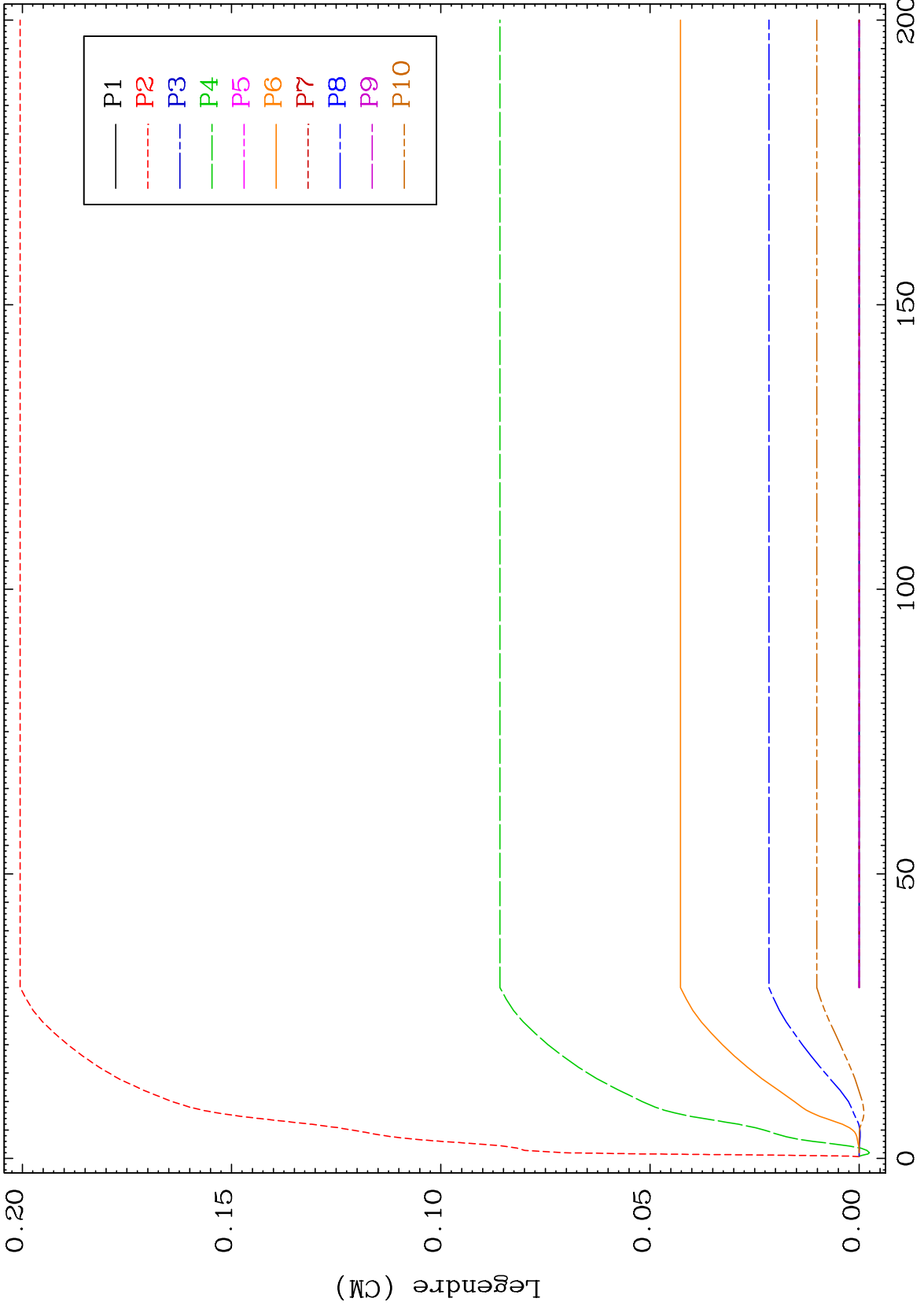


81

Incident Energy (MeV)

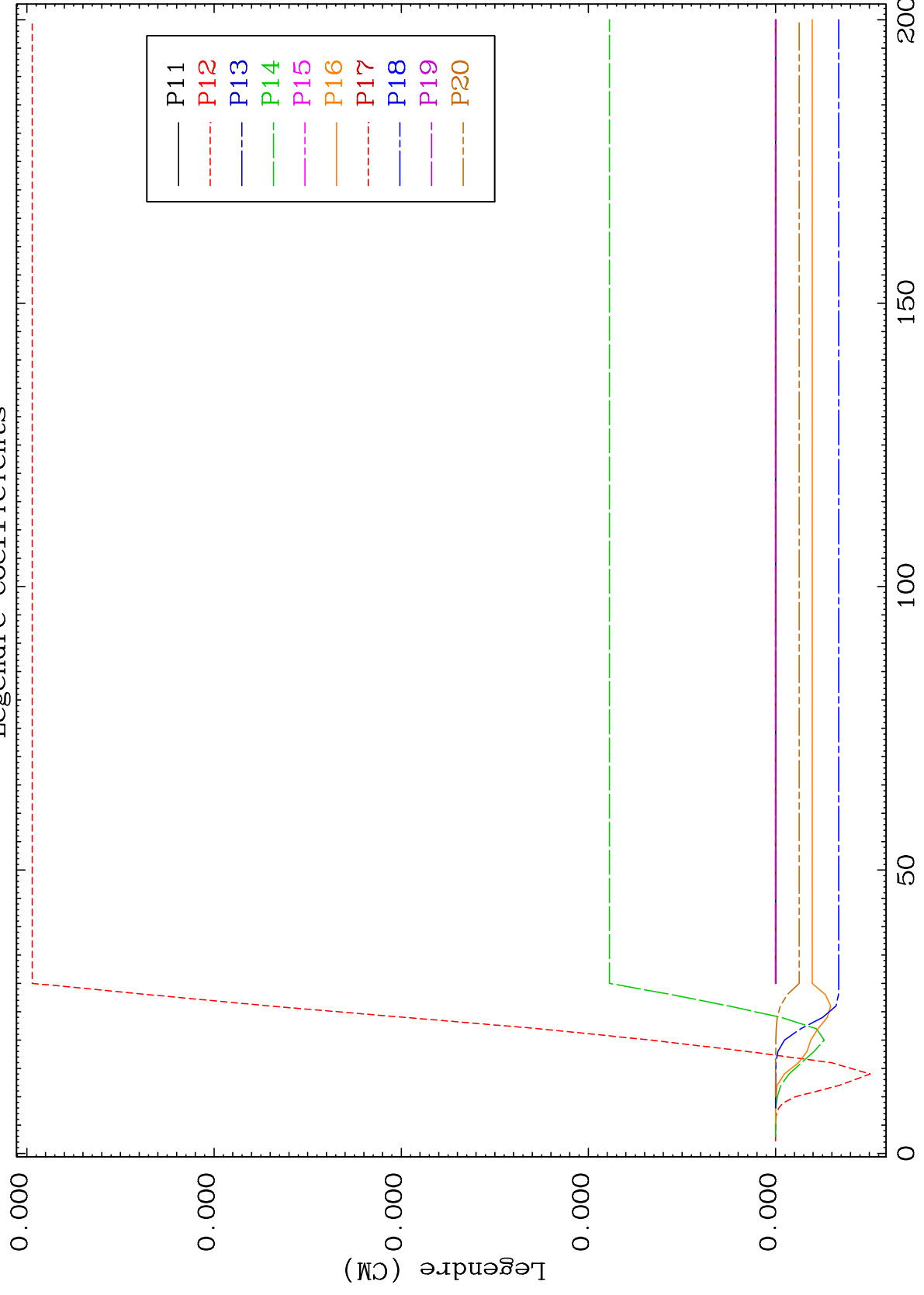
63-Eu-156

MAT 6340 MT= 69 (n,n') Level Legendre Coefficients 63-Eu-156



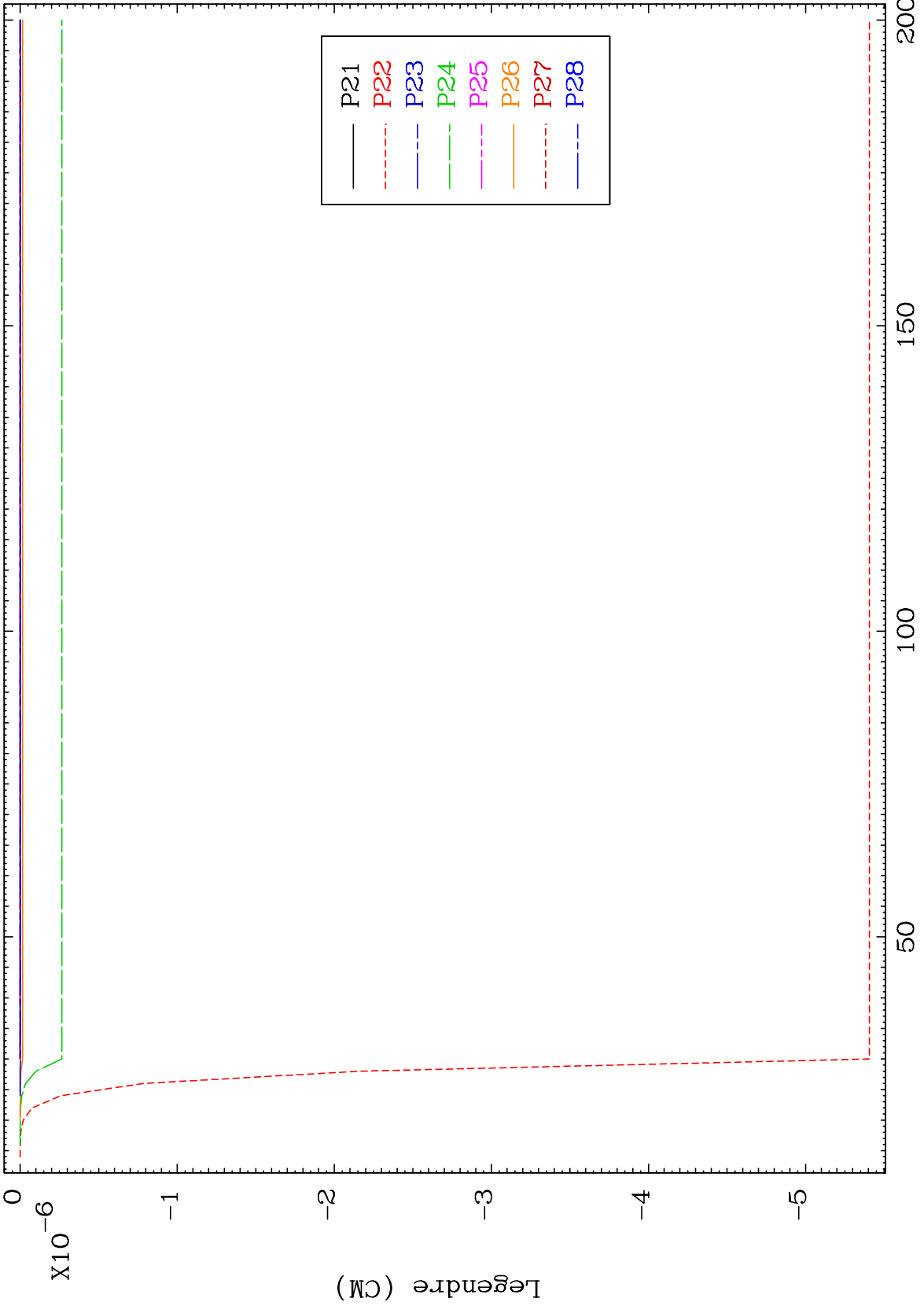
82 63-Eu-156

MAT 6340 MT= 69 (n,n') Level Legendre Coefficients 63-Eu-156



83 63-Eu-156

MAT 6340 MT= 69 (n,n') Level Legendre Coefficients 63-Eu-156

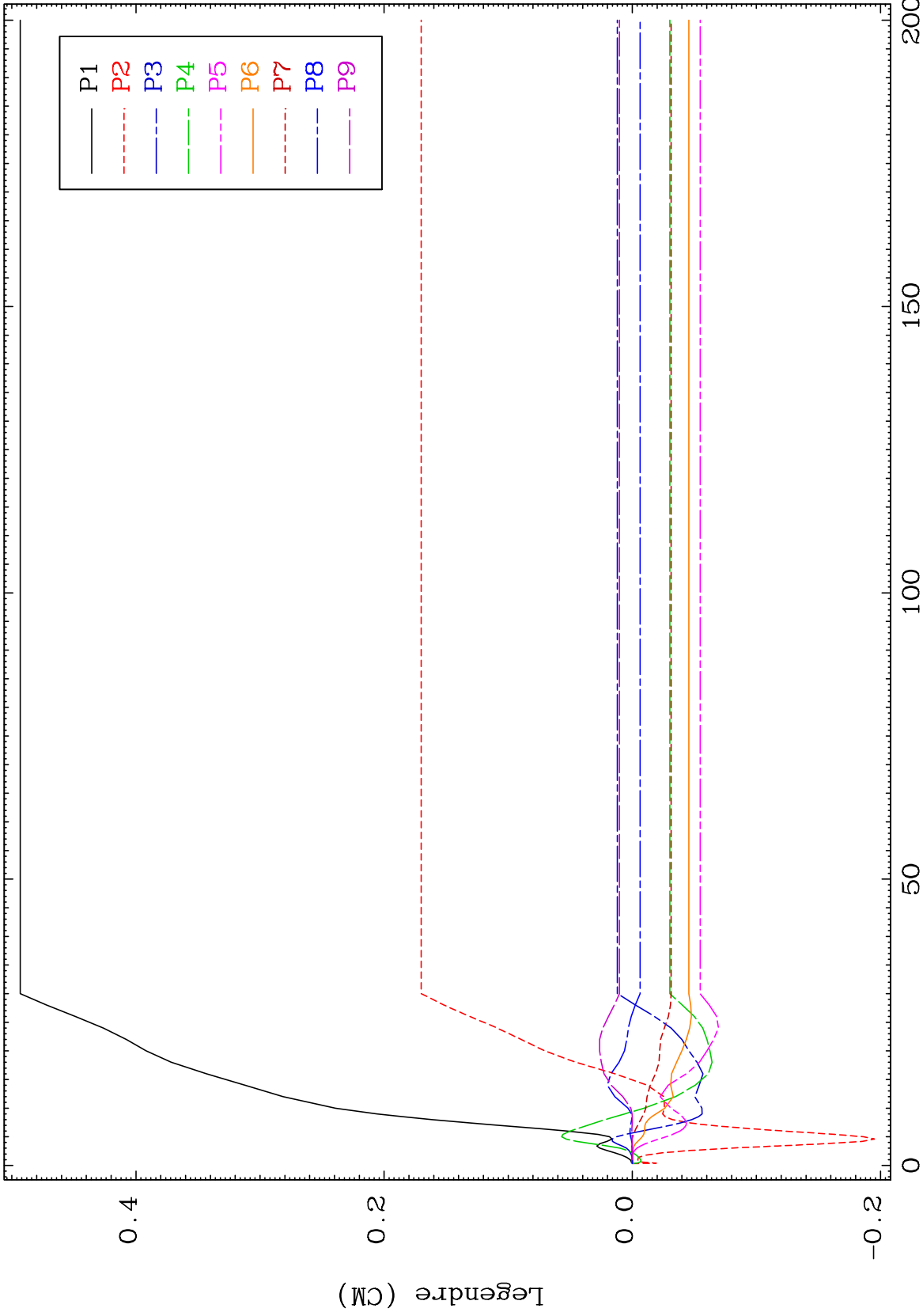


84 63-Eu-156

MAT 6340

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

63-Eu-156



85

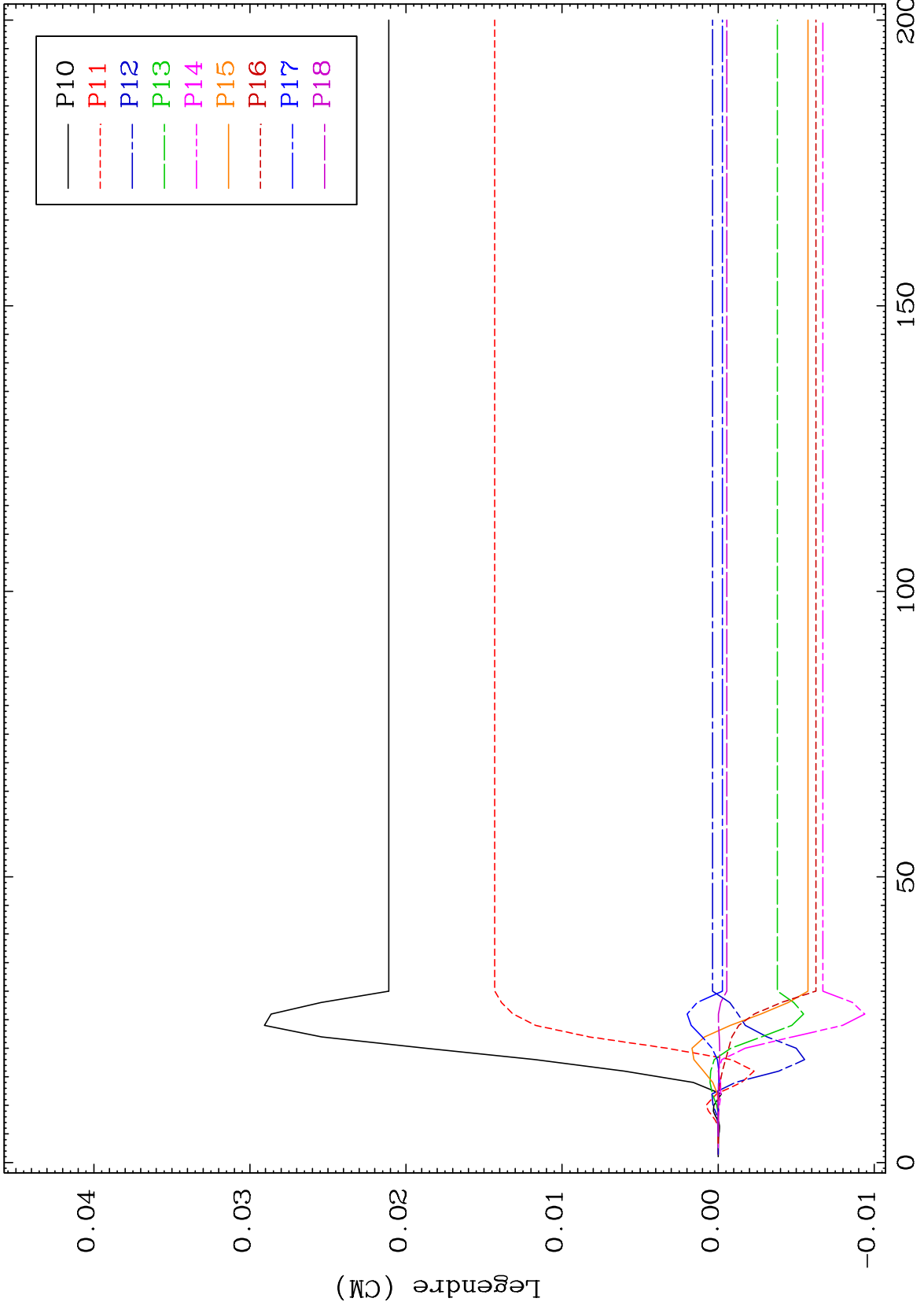
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

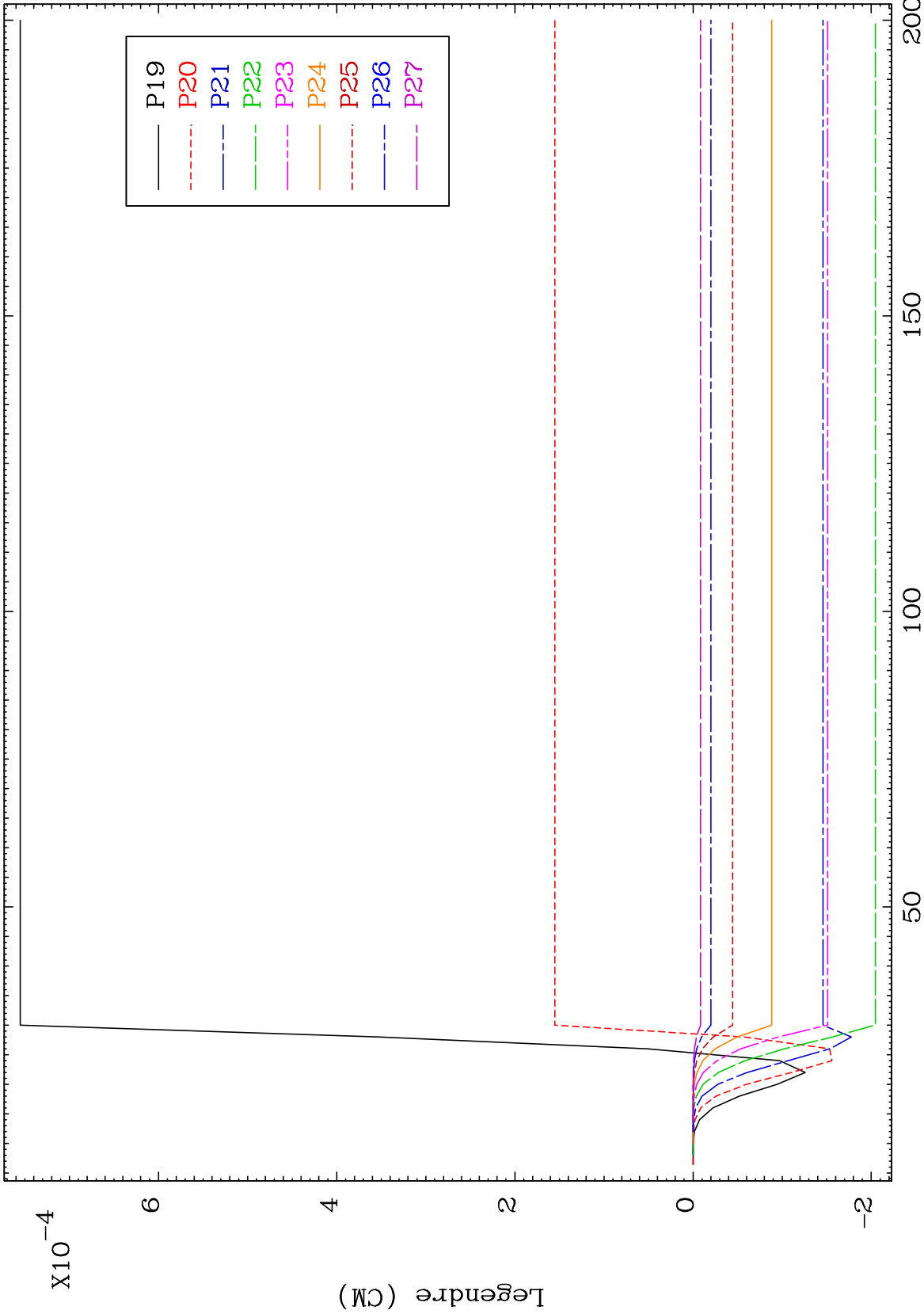
63-Eu-156



86

Incident Energy (MeV)

63-Eu-156

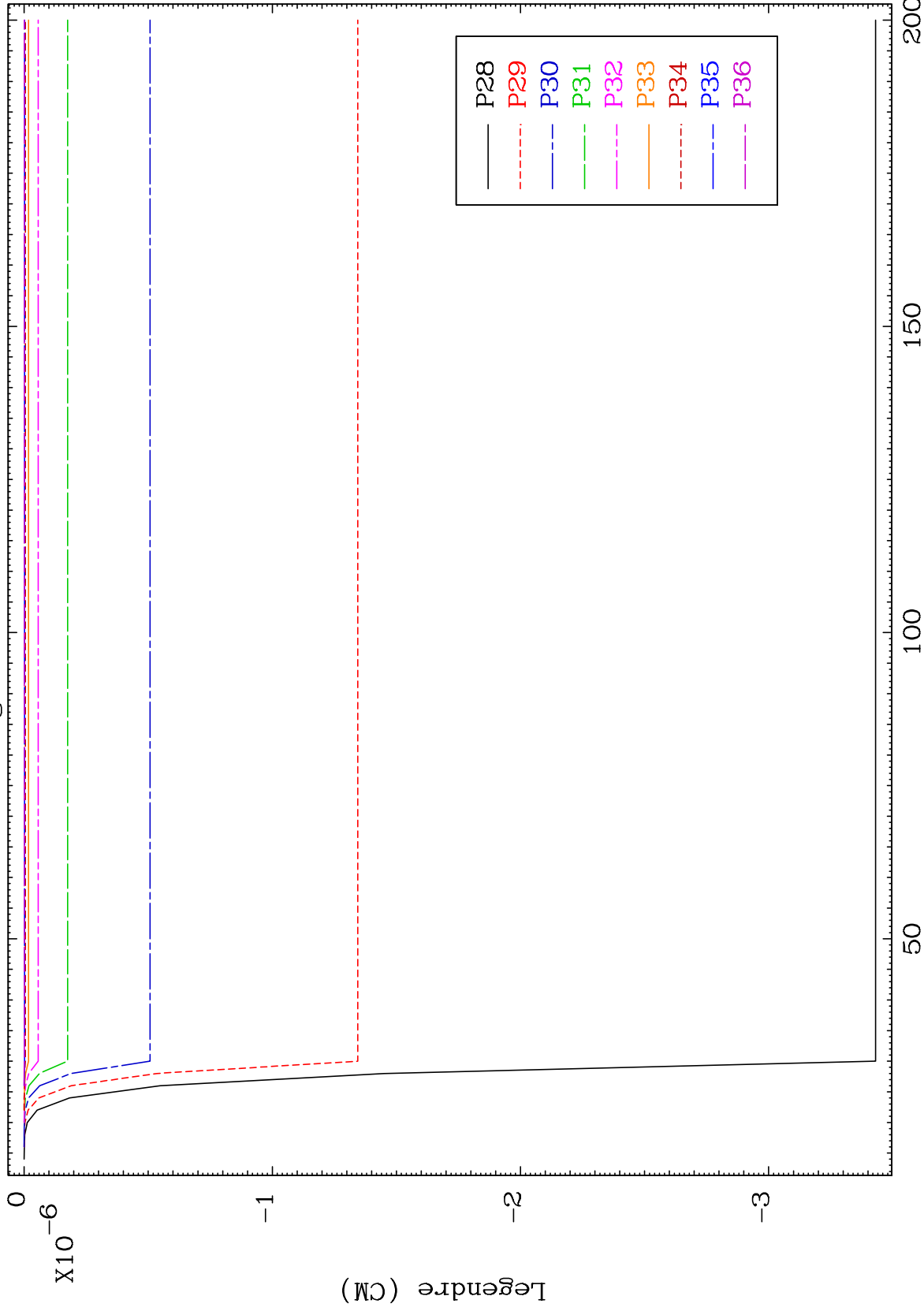




MAT 6340

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

63-Eu-156



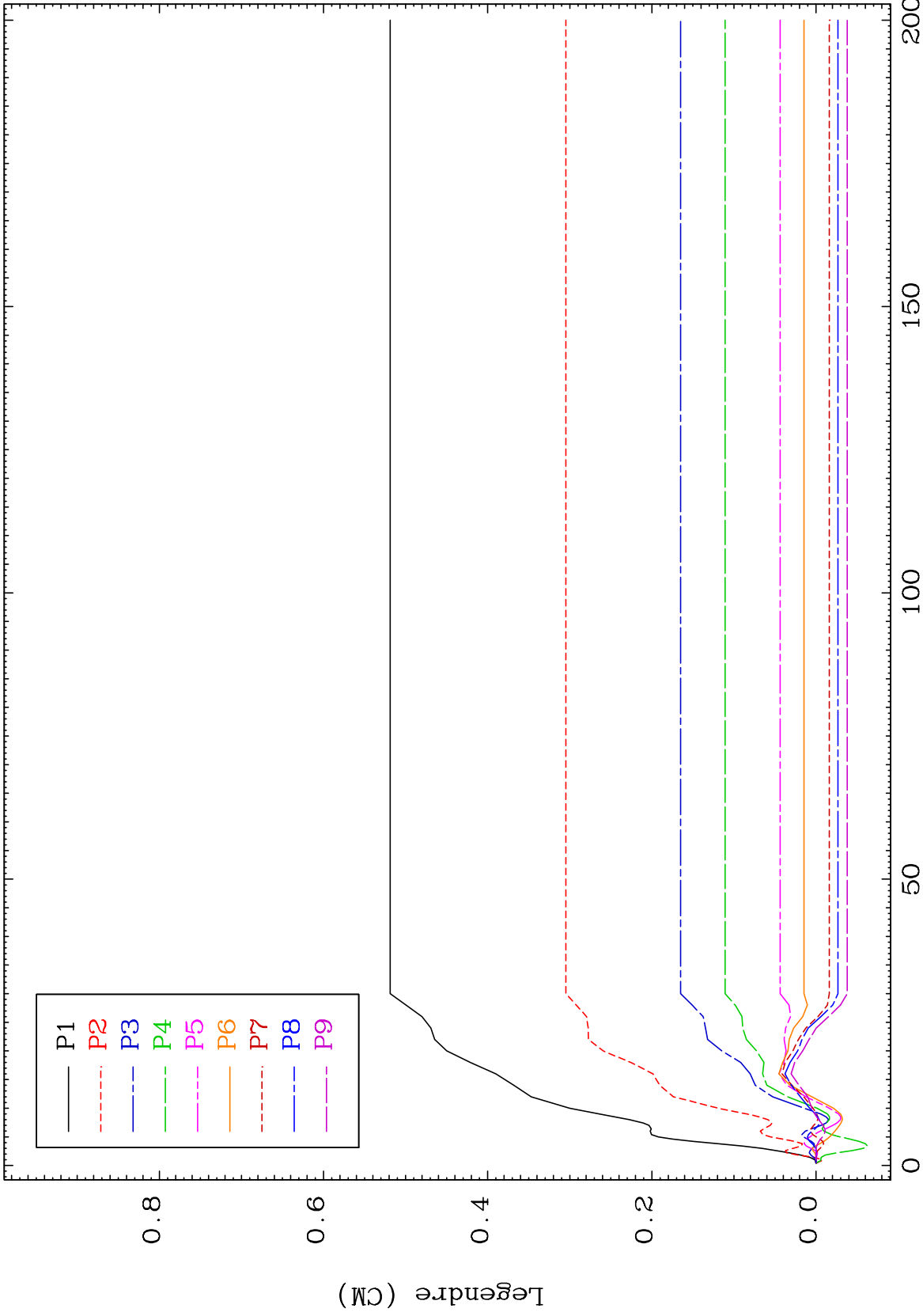
88

63-Eu-156

MAT 6340

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

63-Eu-156



89

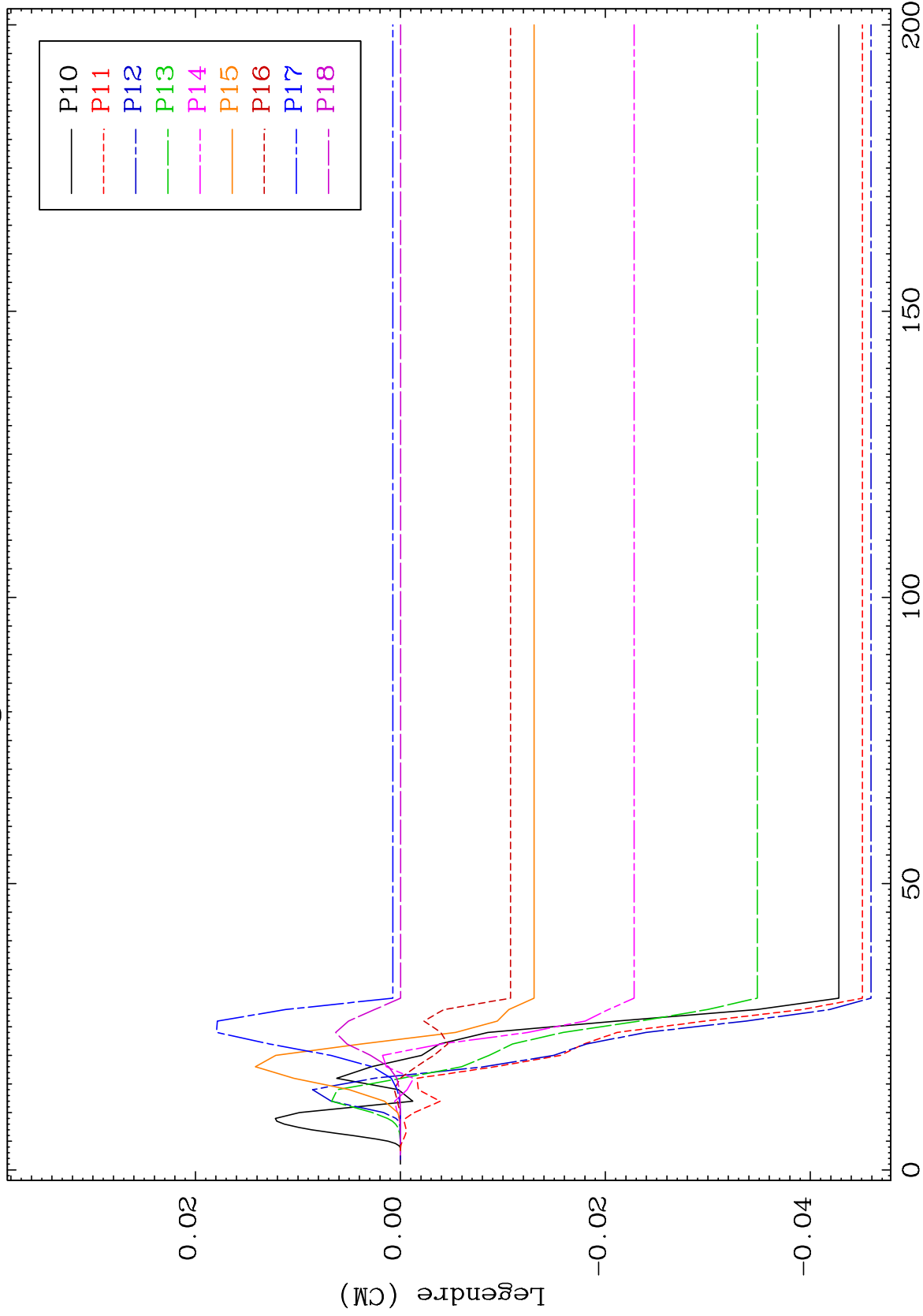
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



90

Incident Energy (MeV)

150

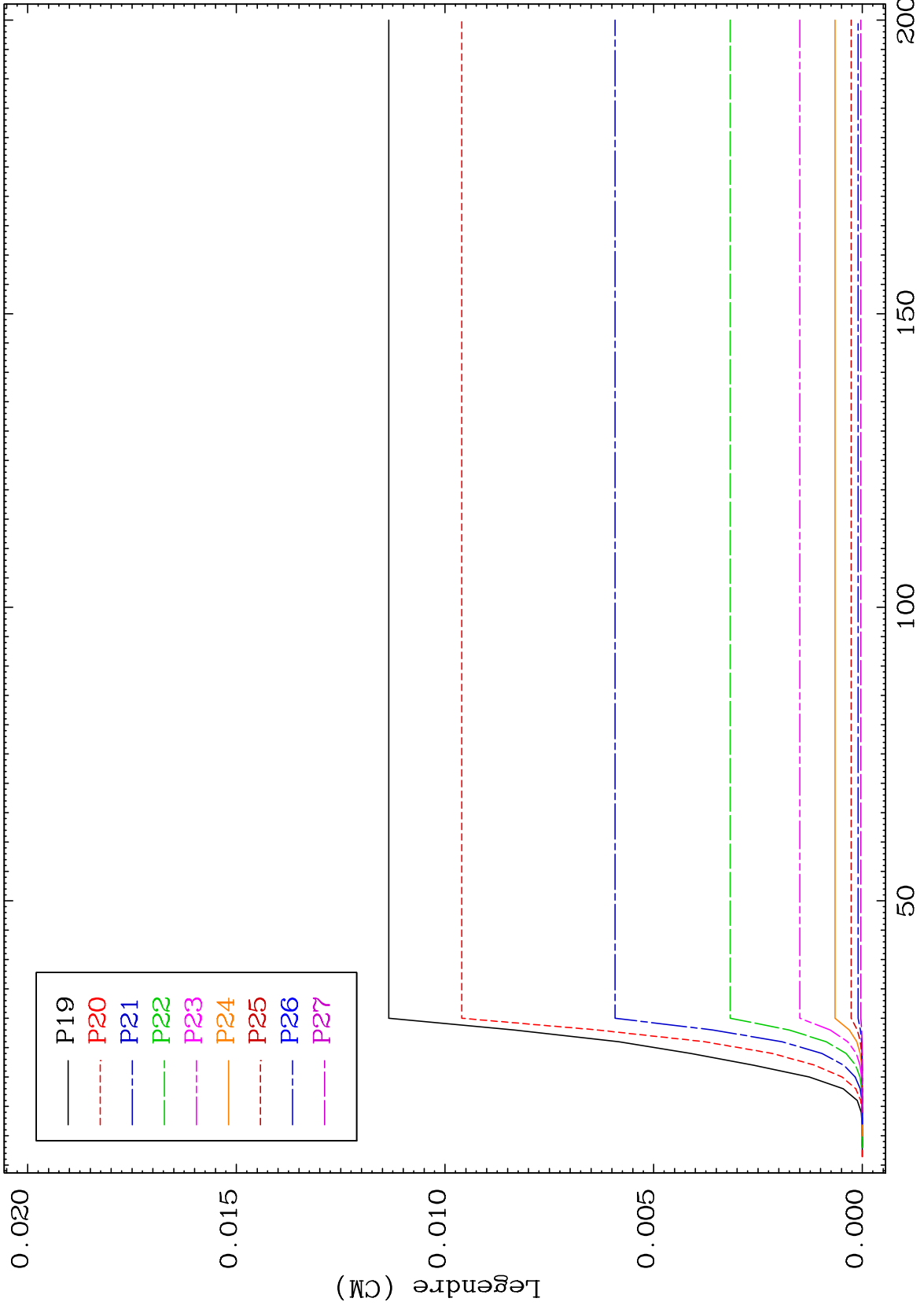
63-Eu-156

200

MAT 6340

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

63-Eu-156



91

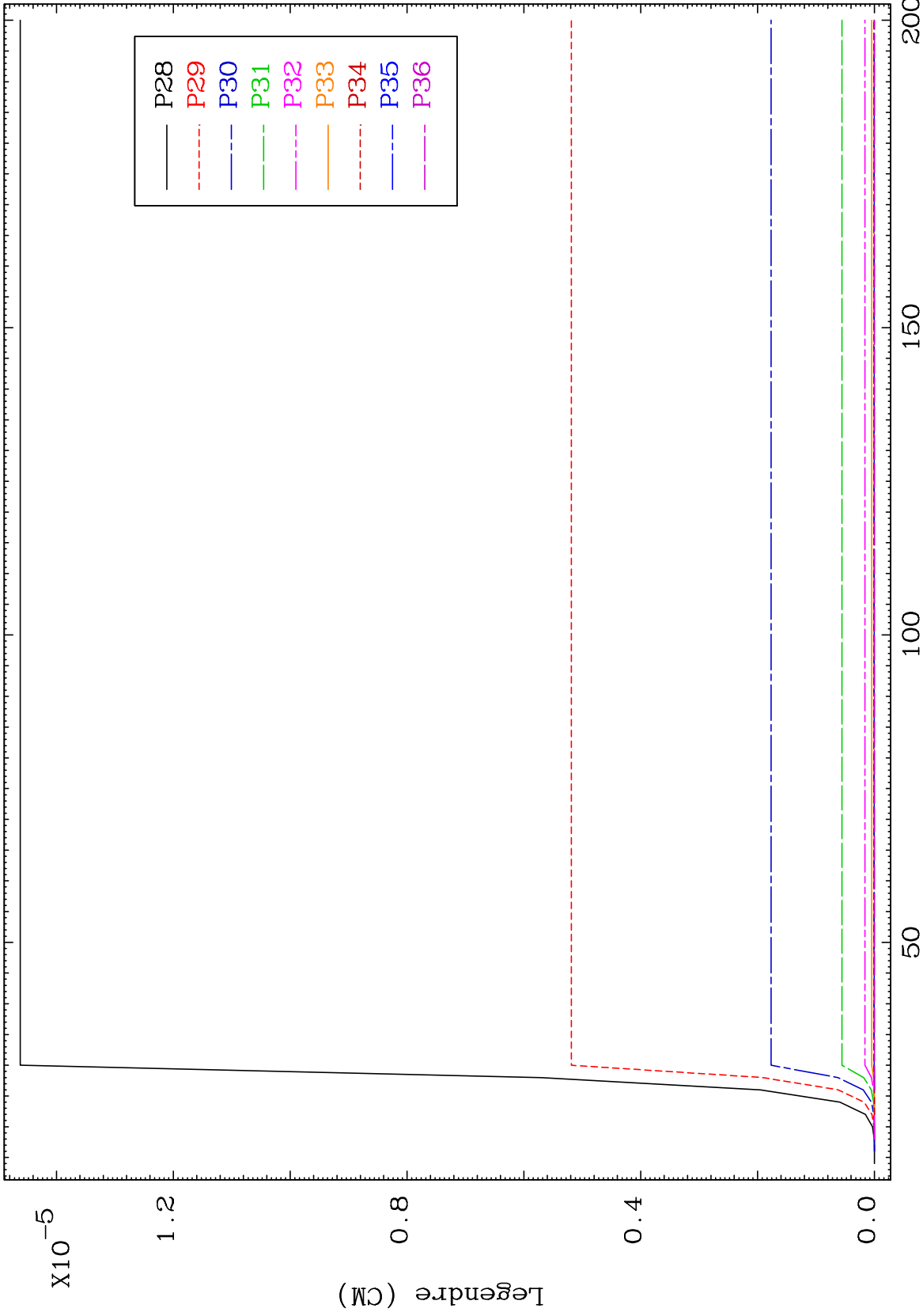
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



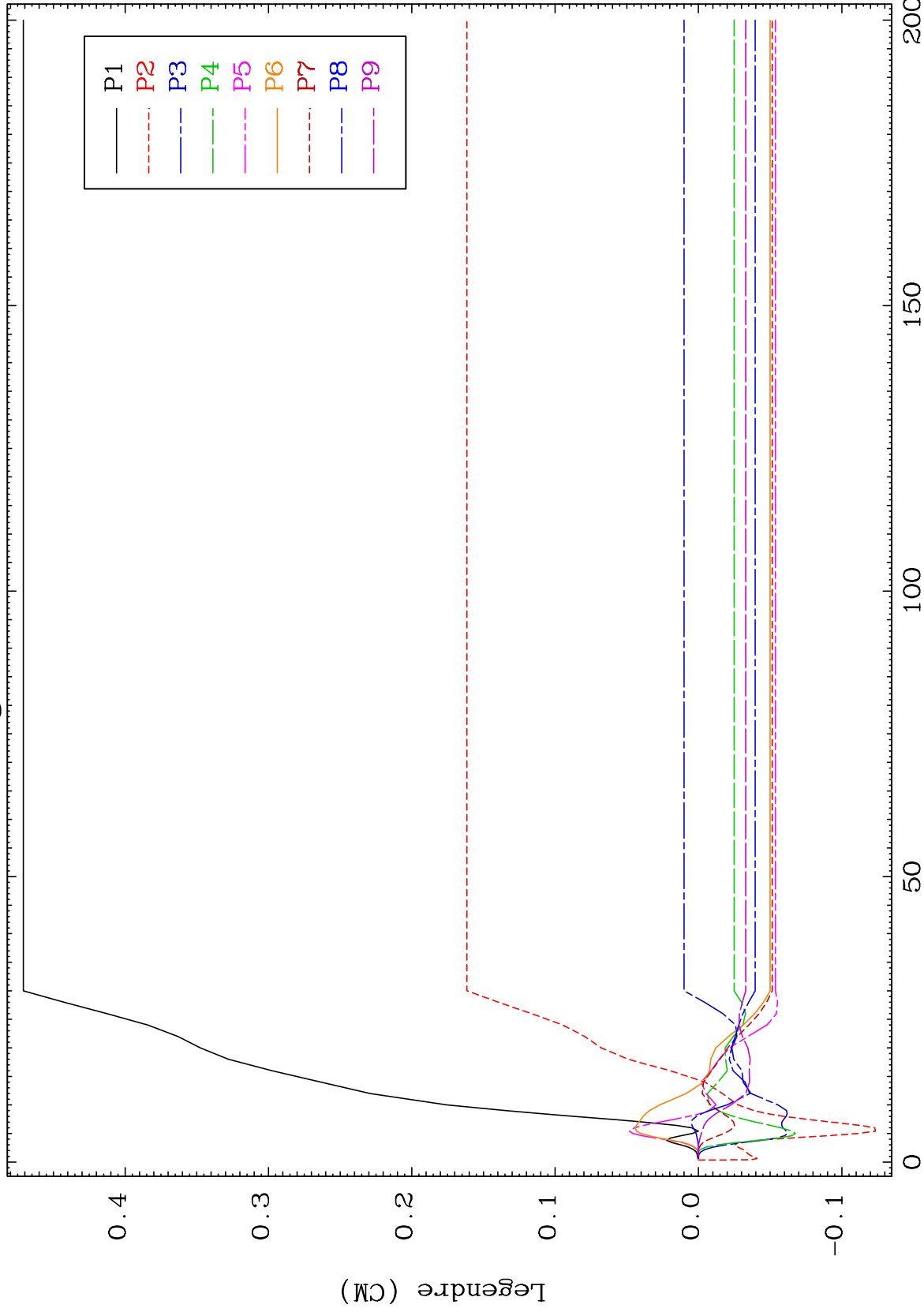
92

63-Eu-156

MAT 6340

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

63-Eu-156



93

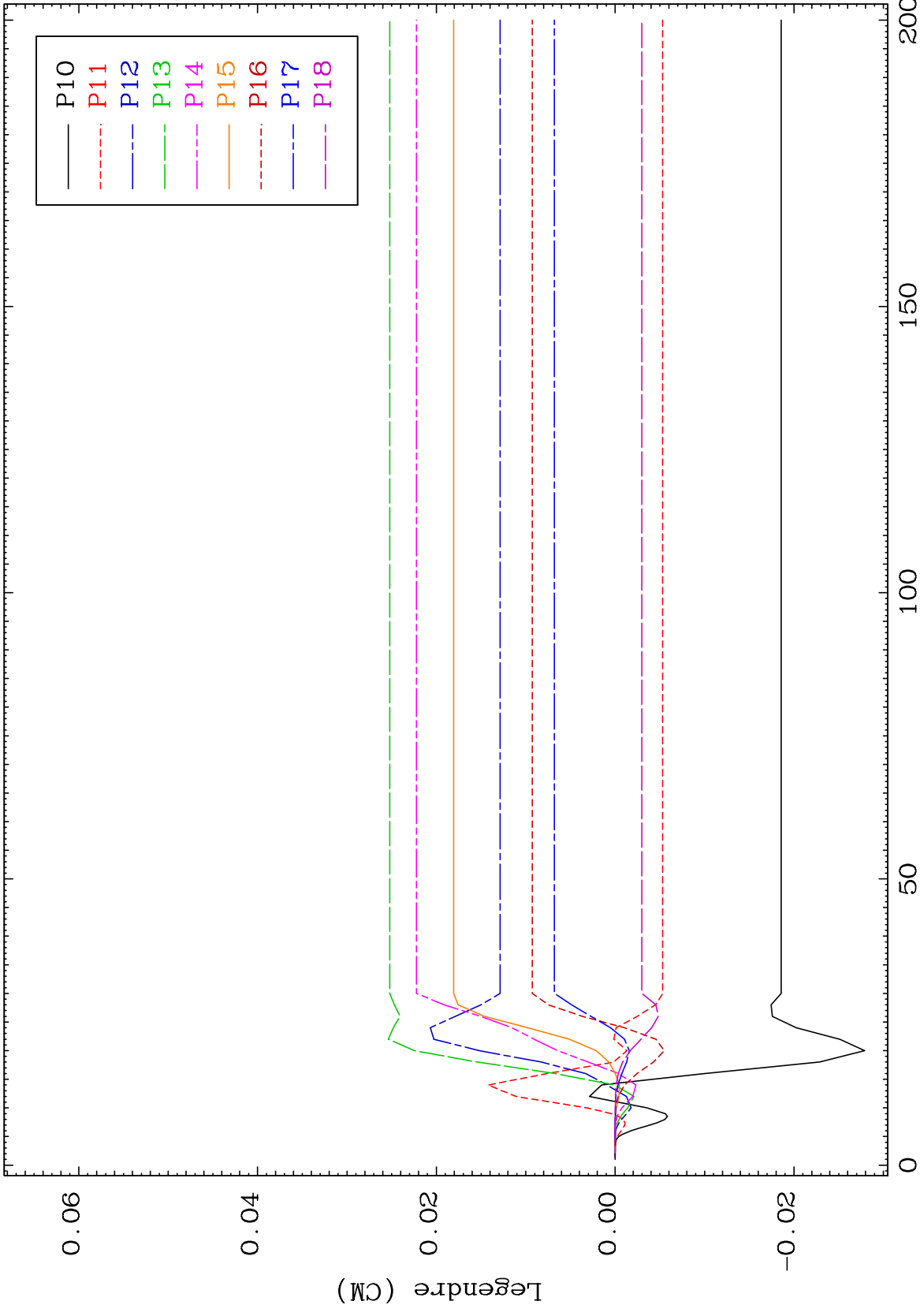
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



94

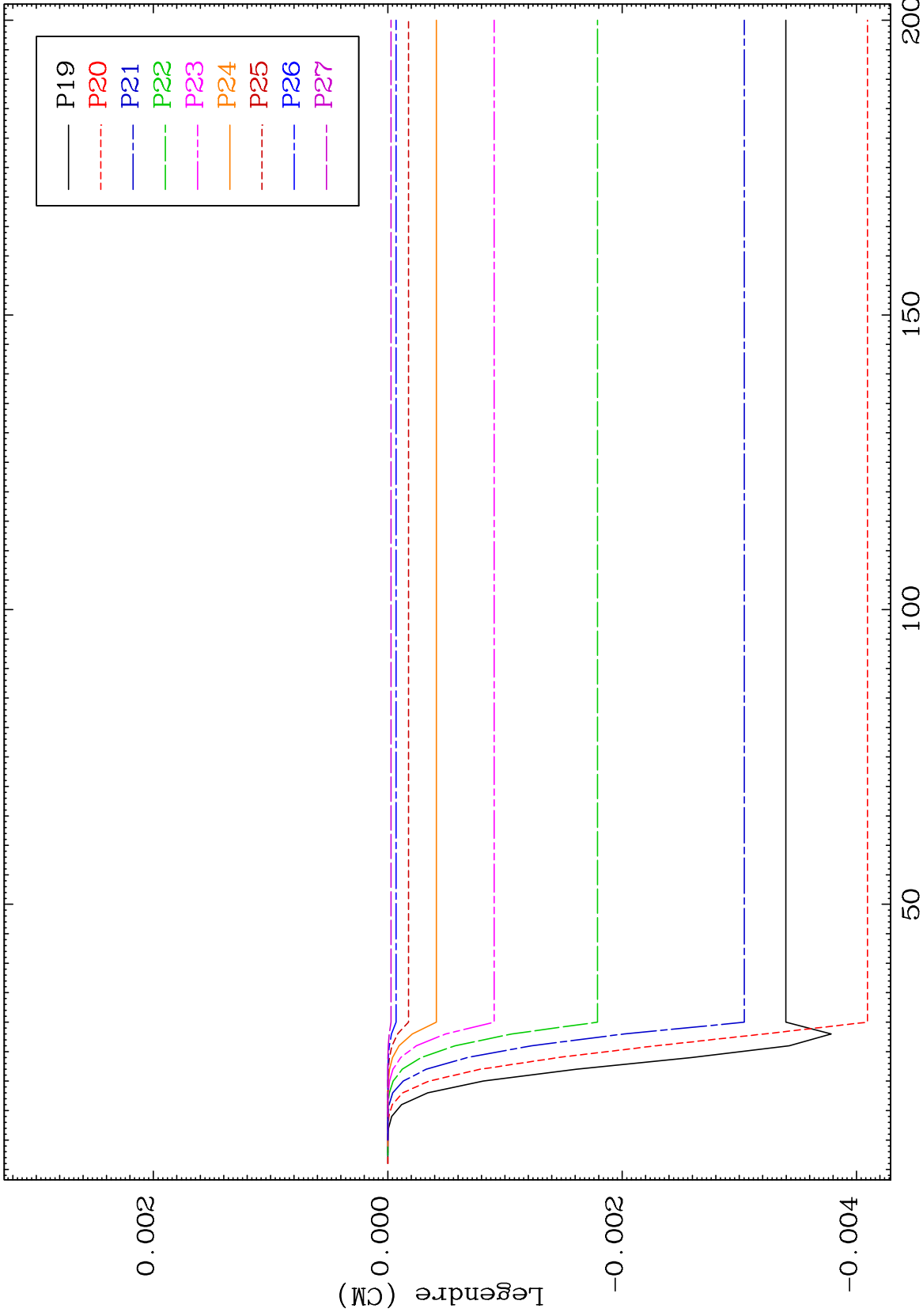
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156

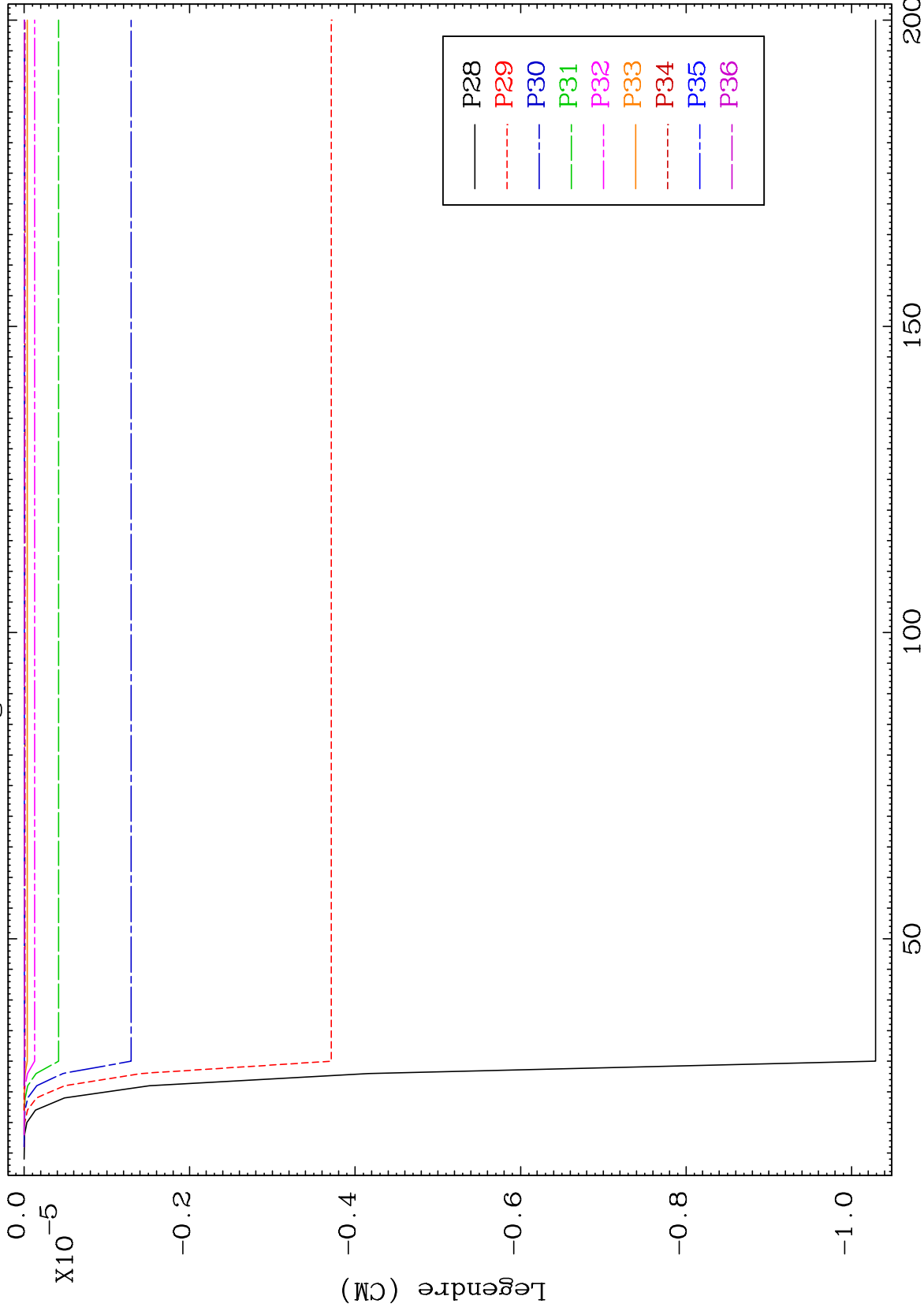


95

Incident Energy (MeV)

63-Eu-156

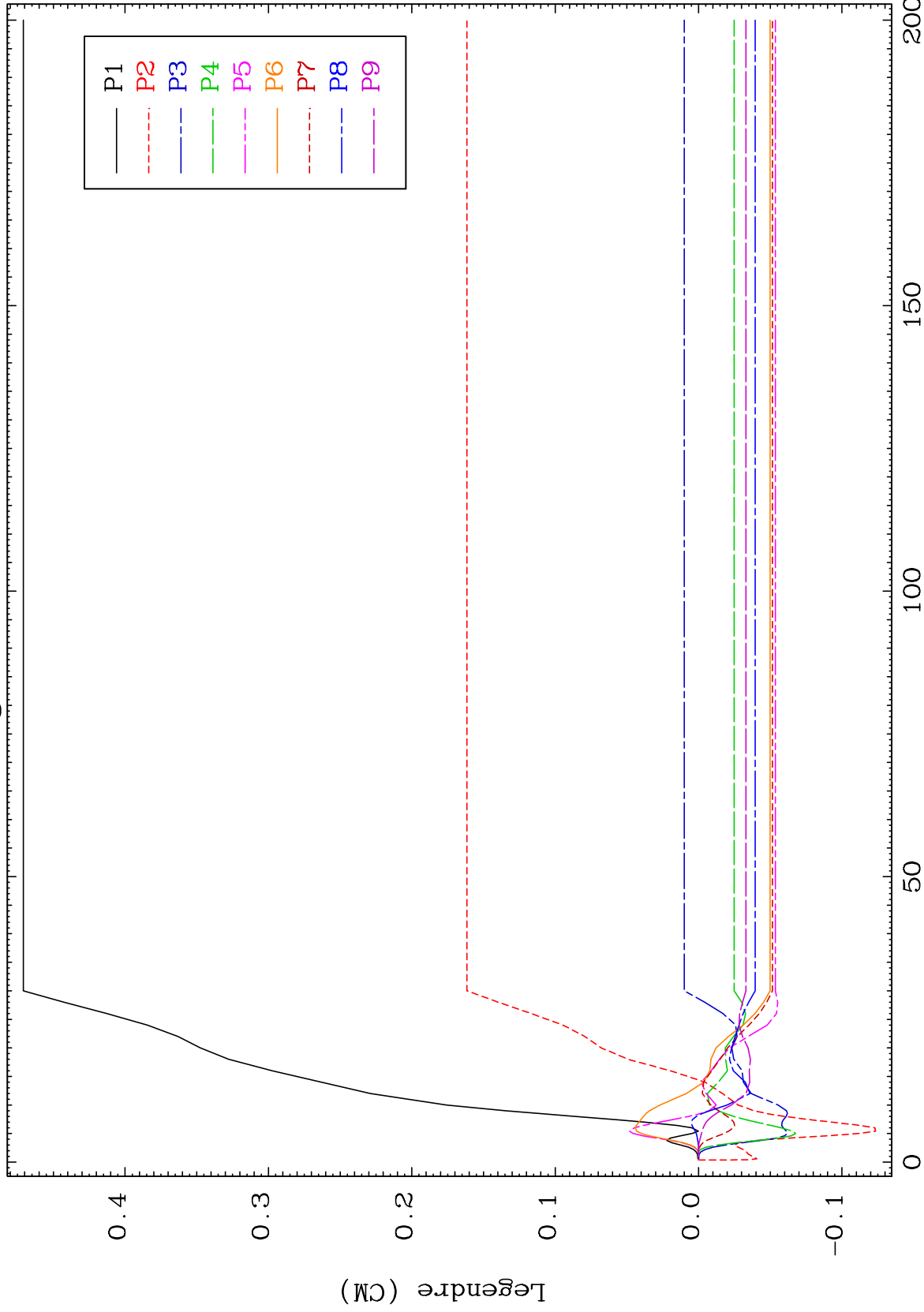




MAT 6340

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

63-Eu-156



97

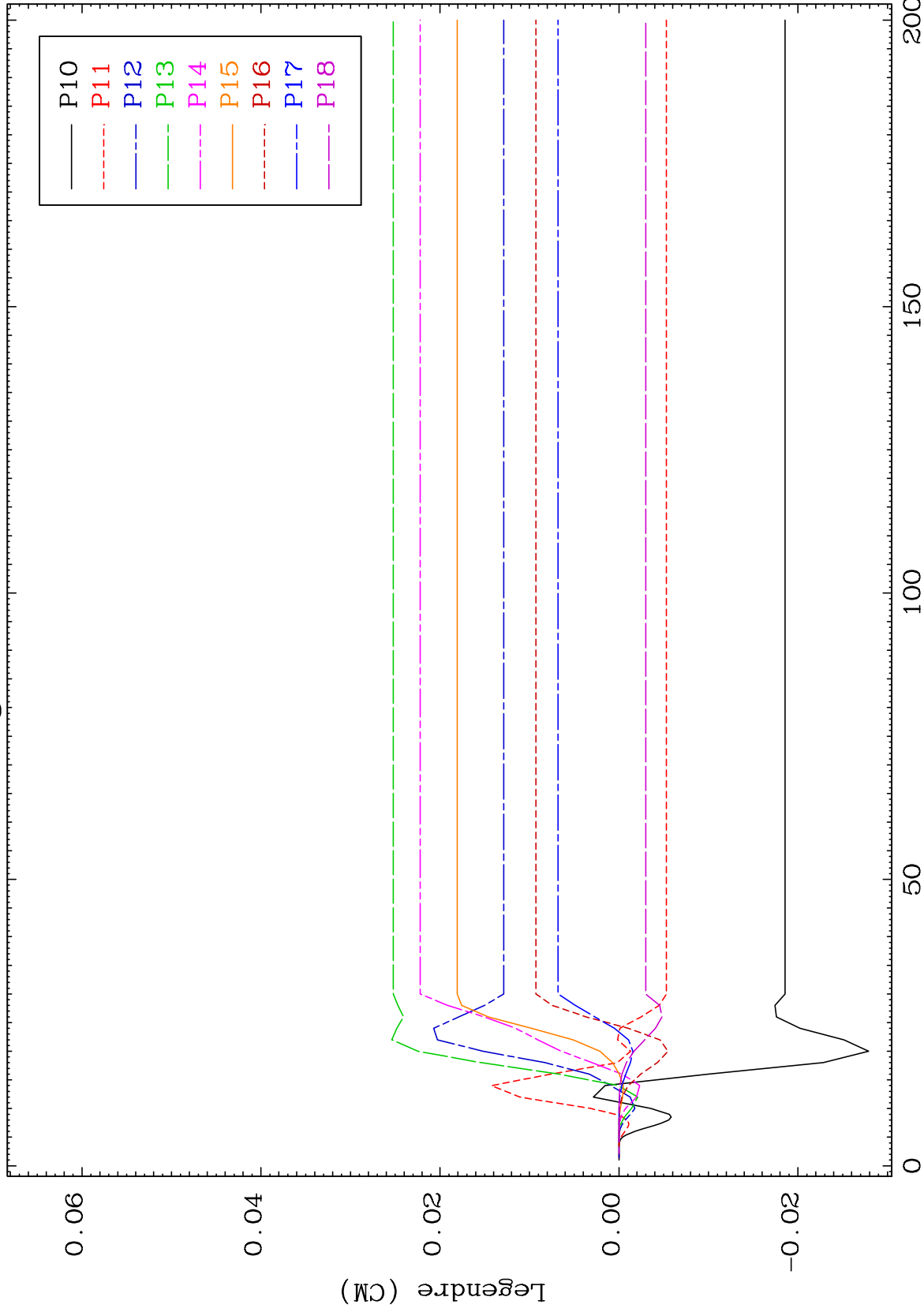
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



98

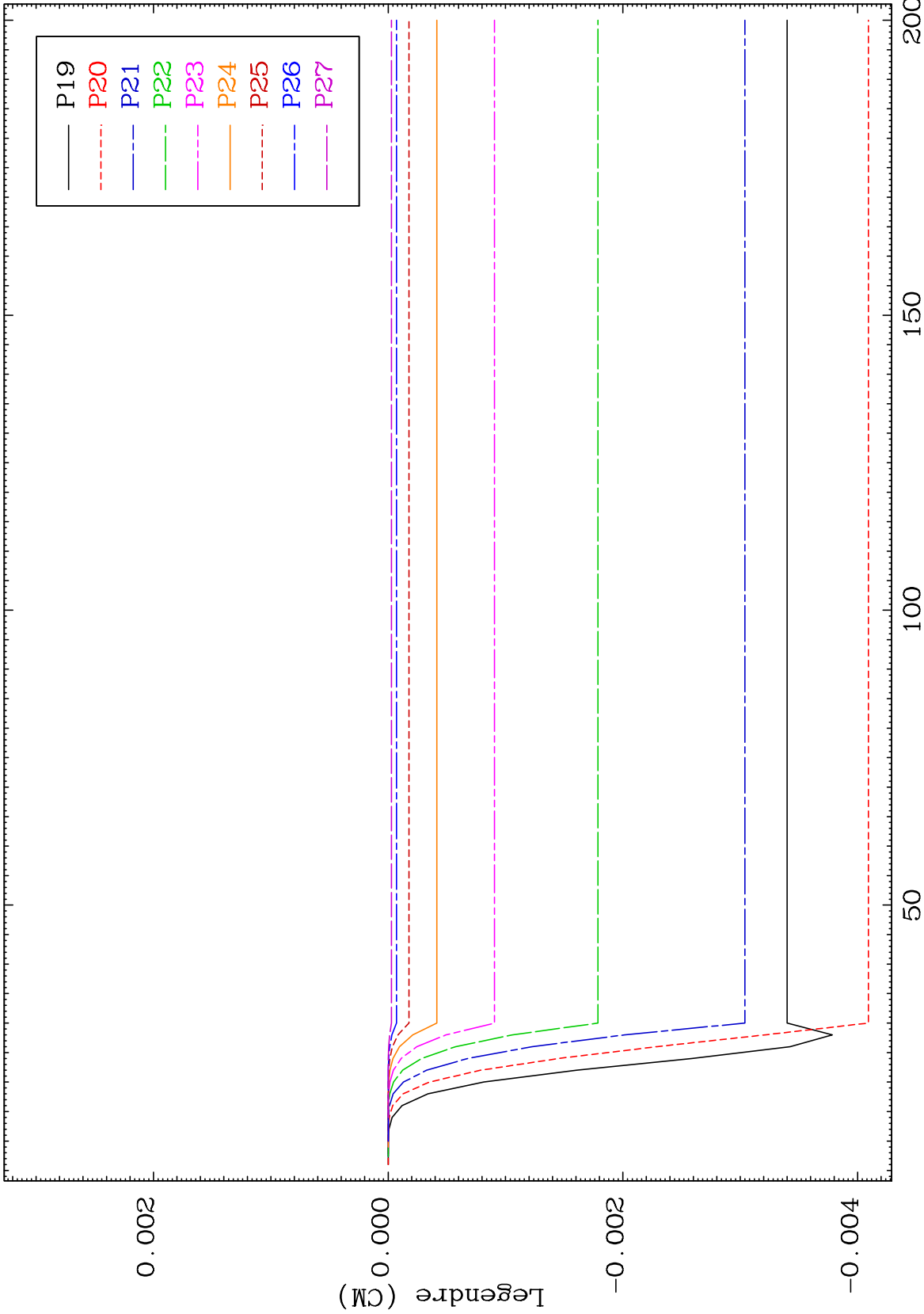
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



99

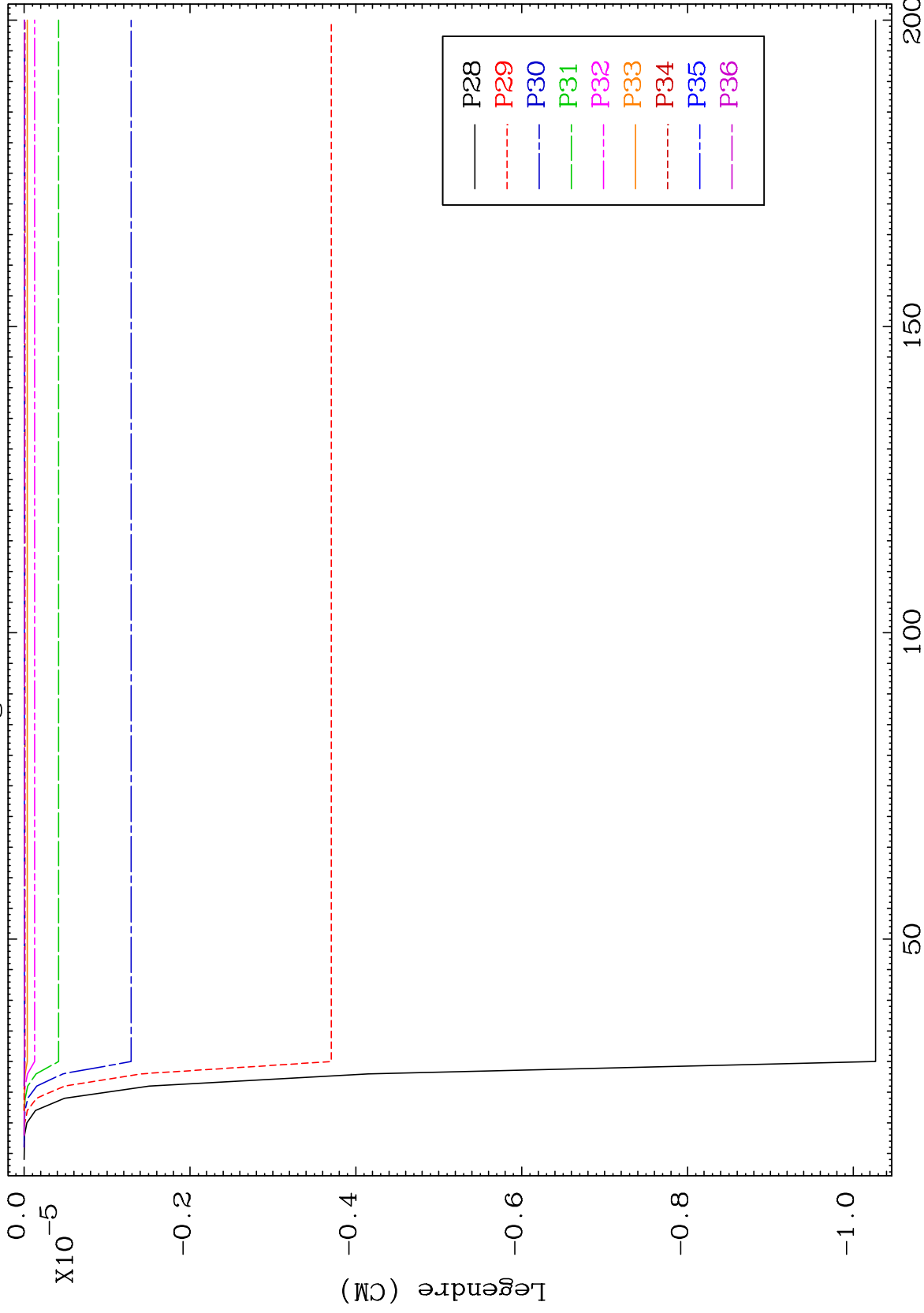
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



63-Eu-156

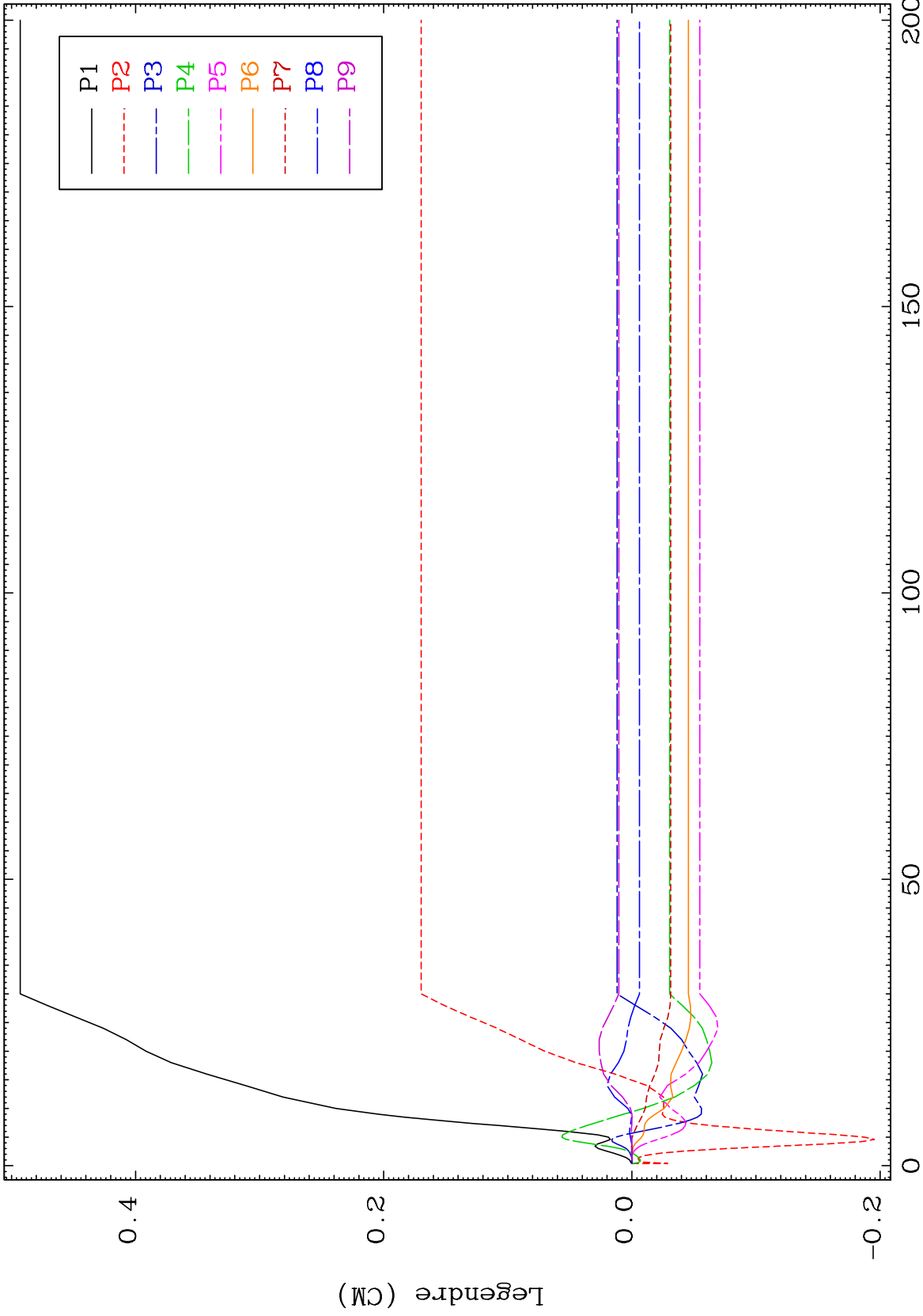
Incident Energy (MeV)

100

MAT 6340

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

63-Eu-156



101

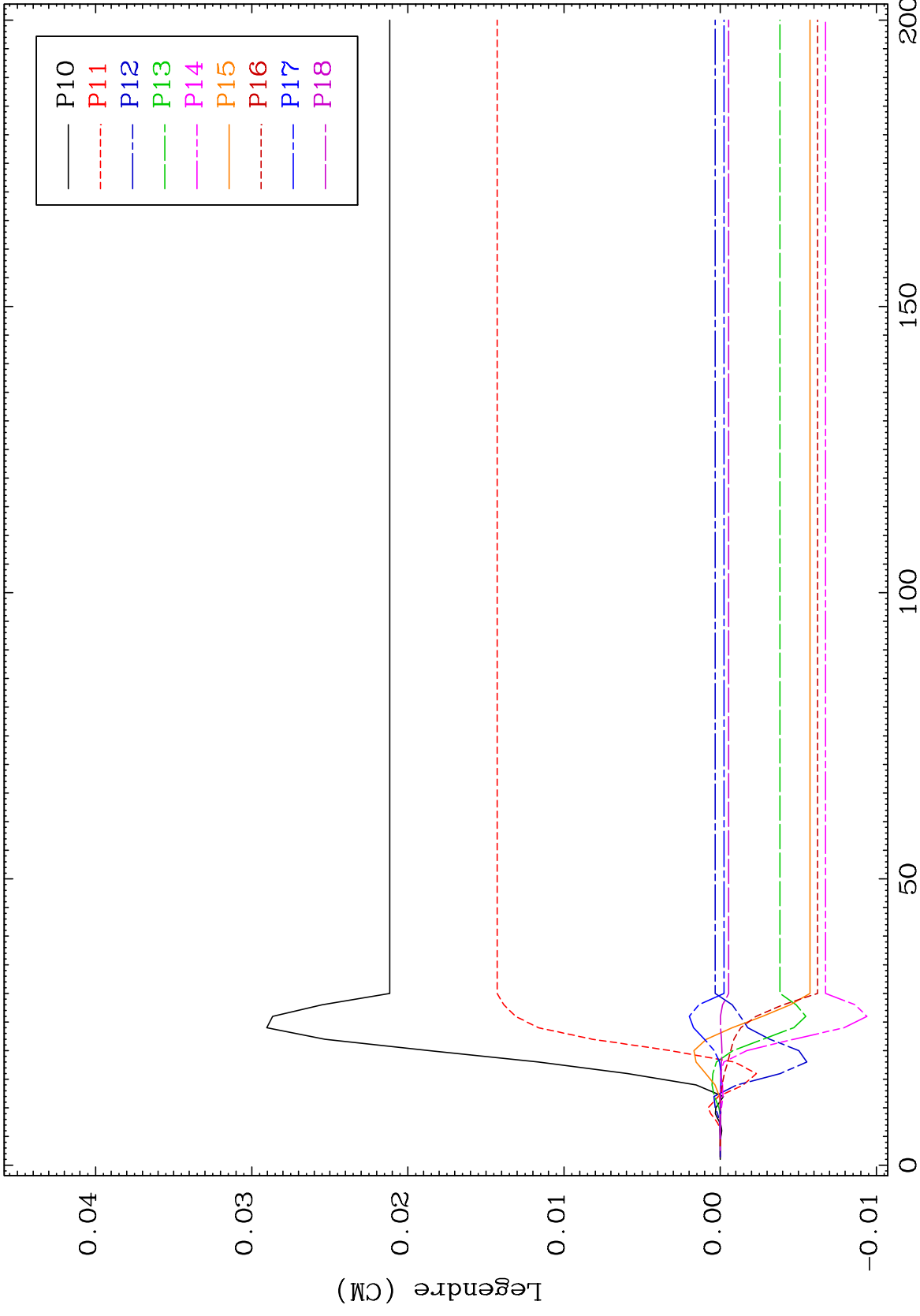
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



102

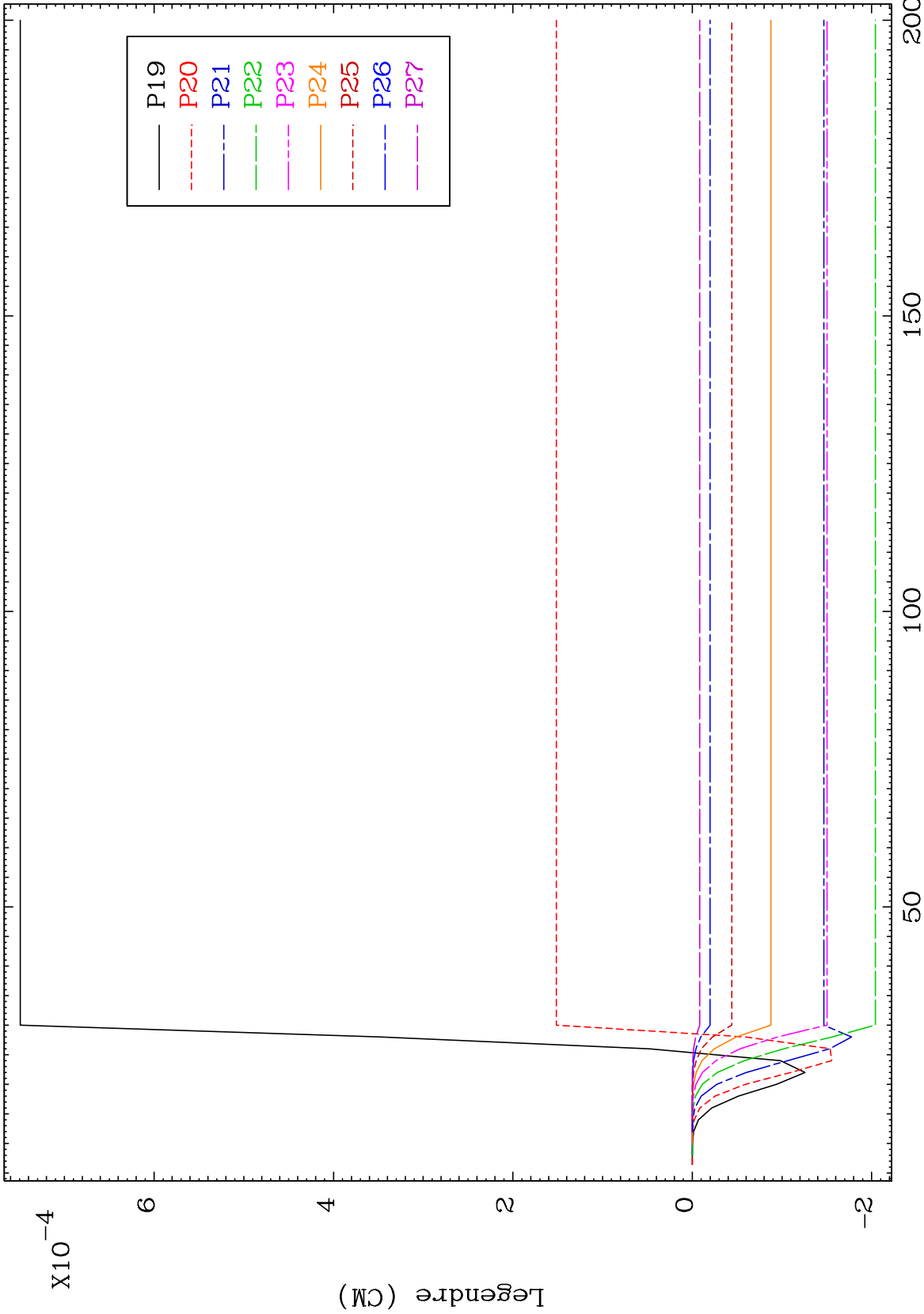
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



103

Incident Energy (MeV)

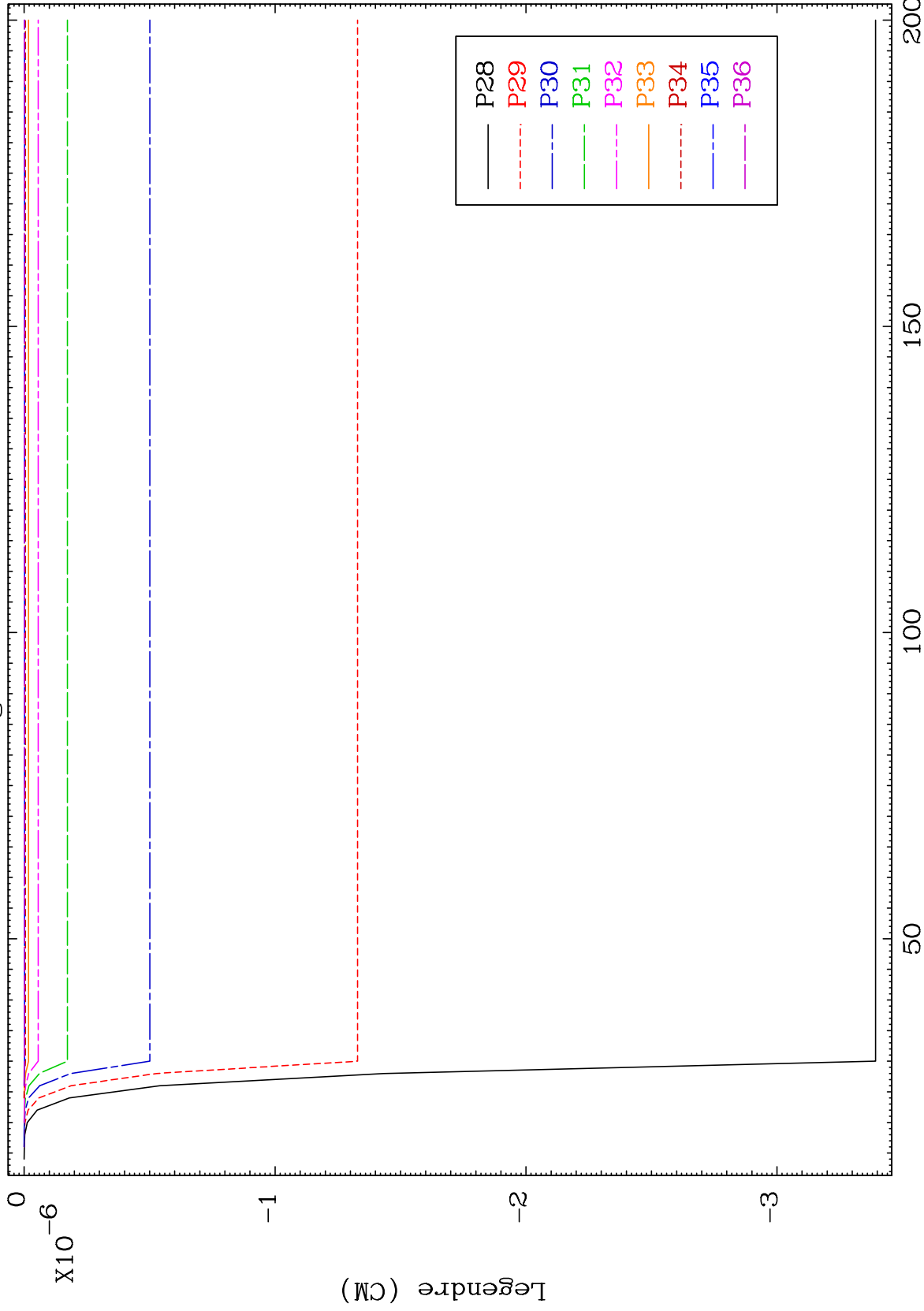
63-Eu-156



MAT 6340

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

63-Eu-156



63-Eu-156

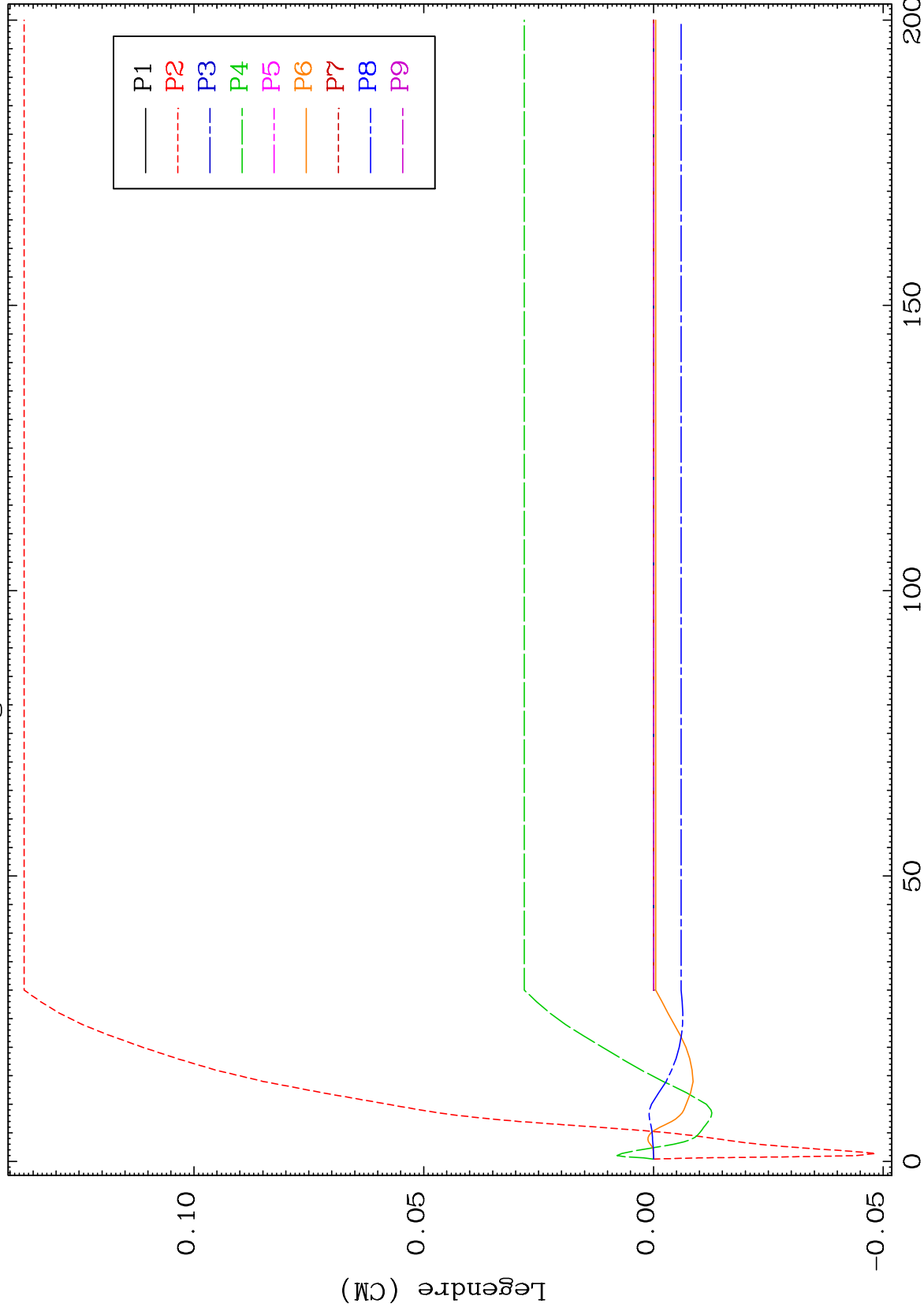
Incident Energy (MeV)

104

MAT 6340

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

63-Eu-156



63-Eu-156

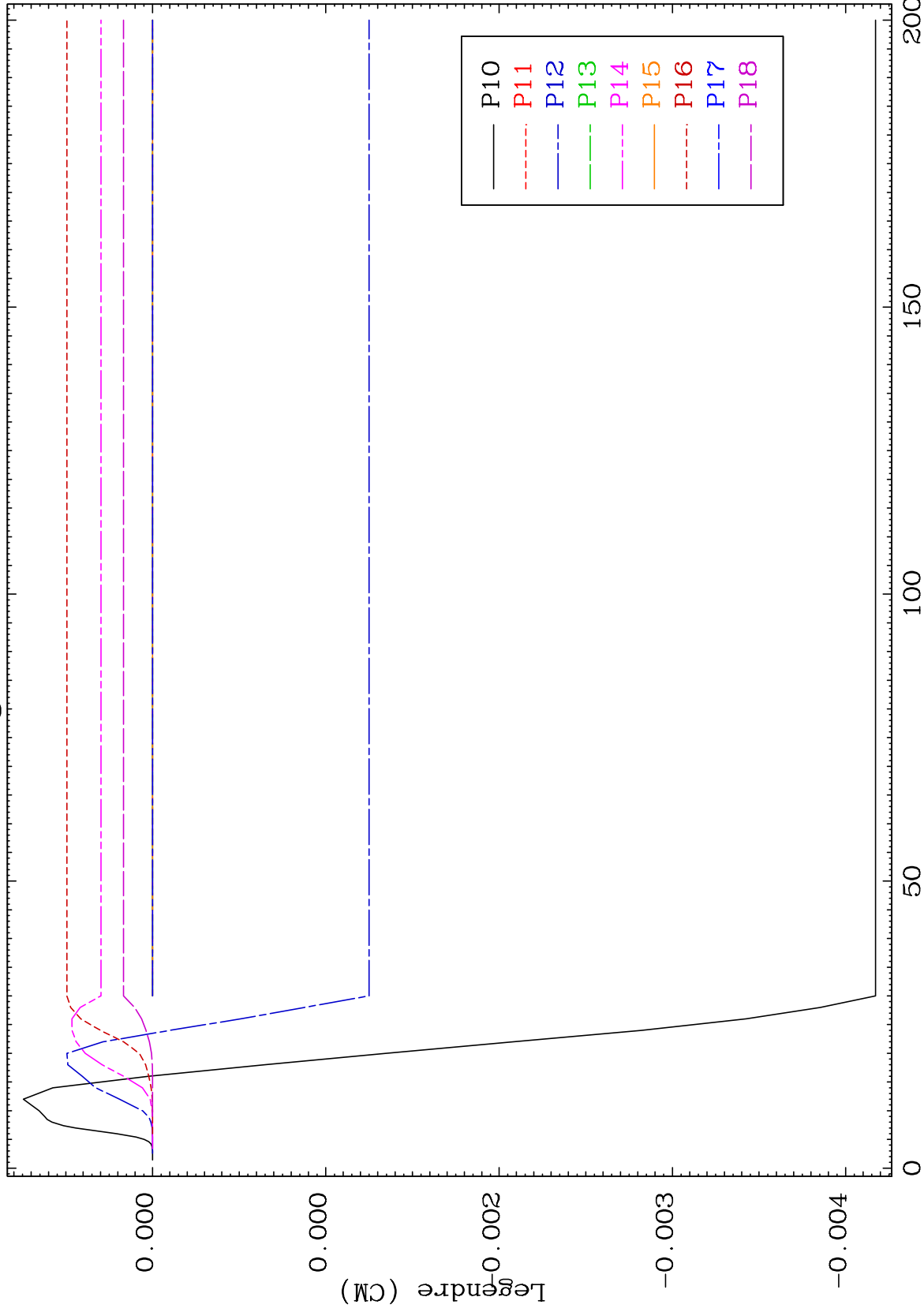
Incident Energy (MeV)

105

MAT 6340

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

63-Eu-156



106

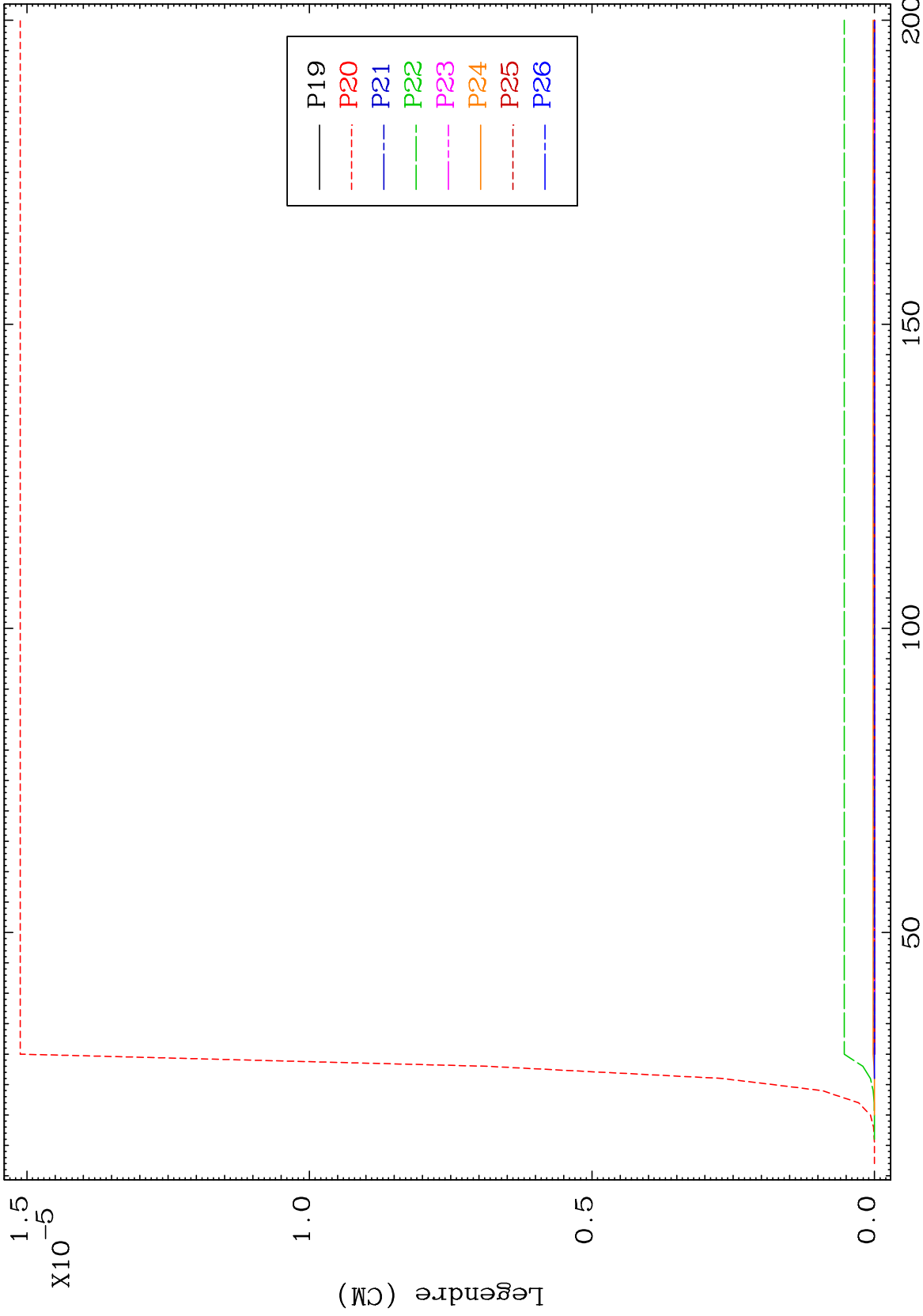
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



63-Eu-156

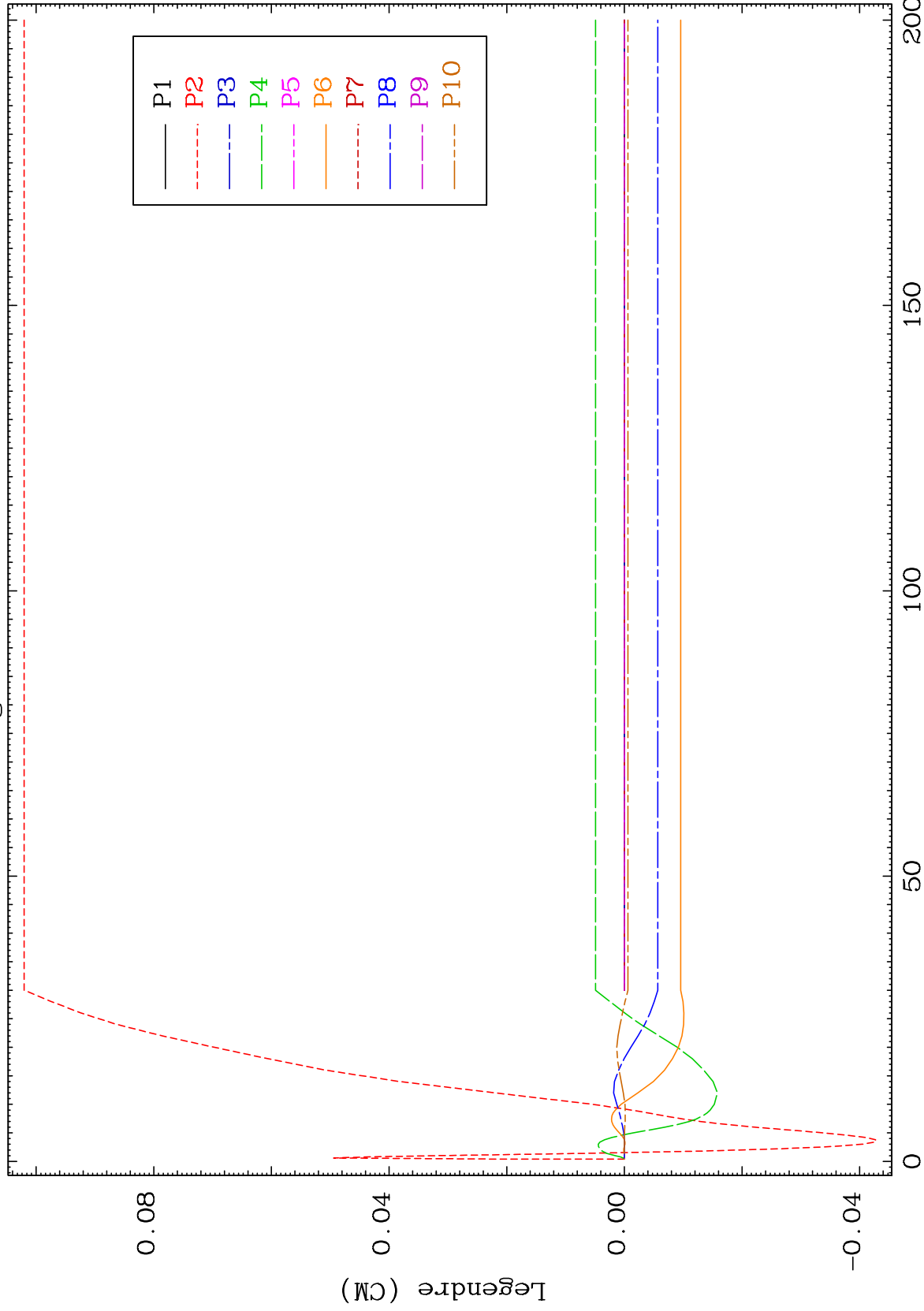
Incident Energy (MeV)

107

MAT 6340

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

63-Eu-156



108

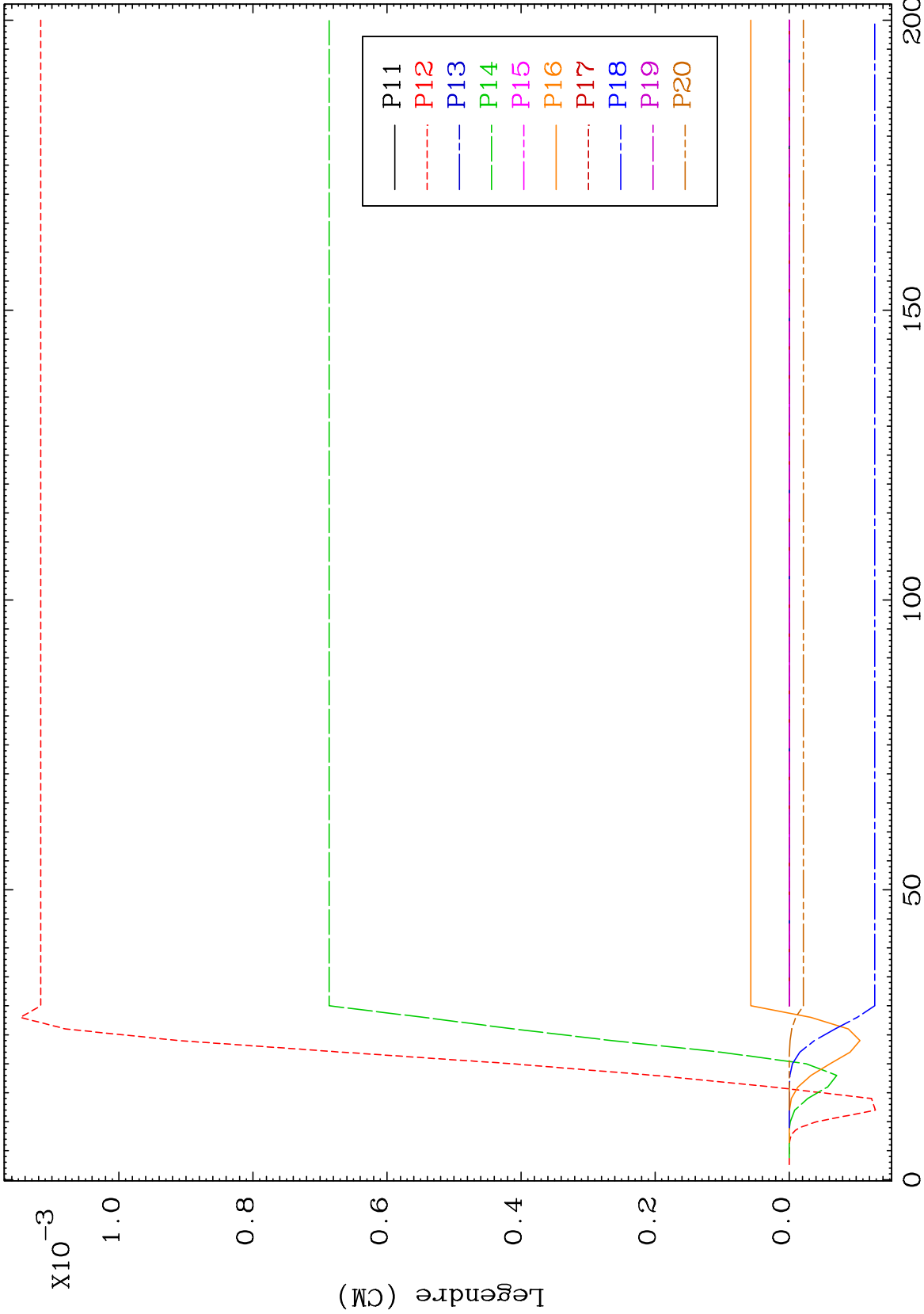
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



109

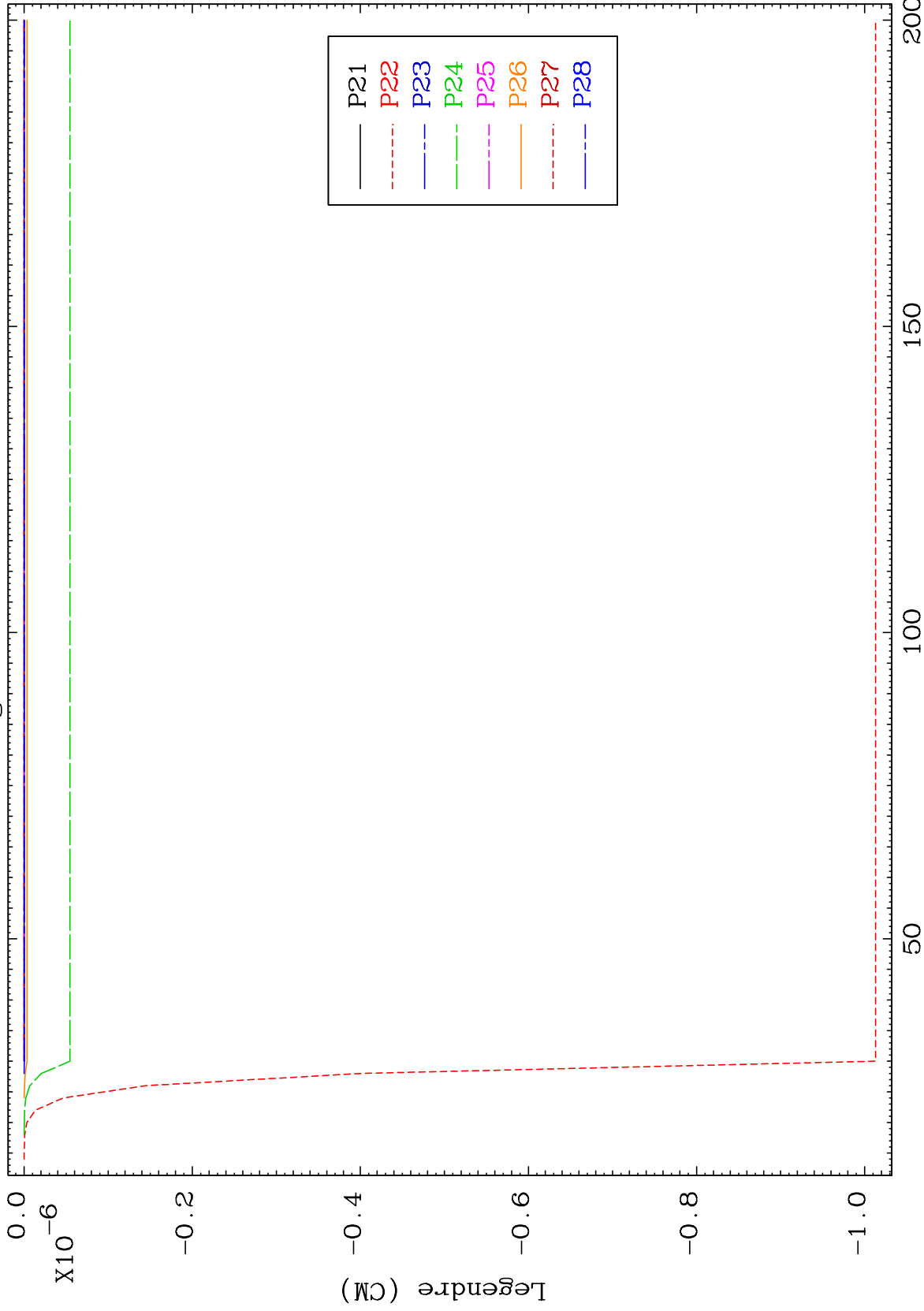
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



110

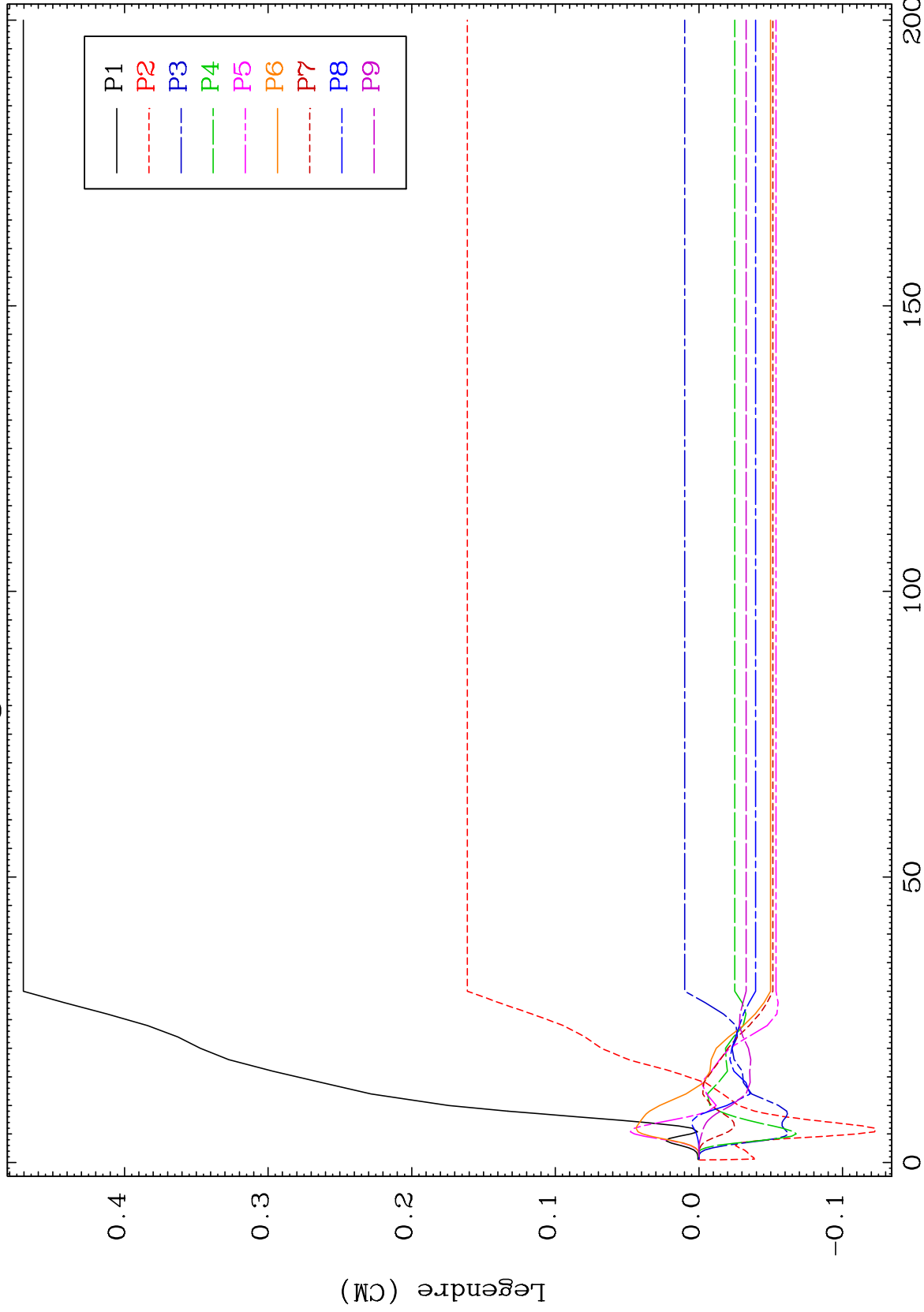
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



111

Incident Energy (MeV)

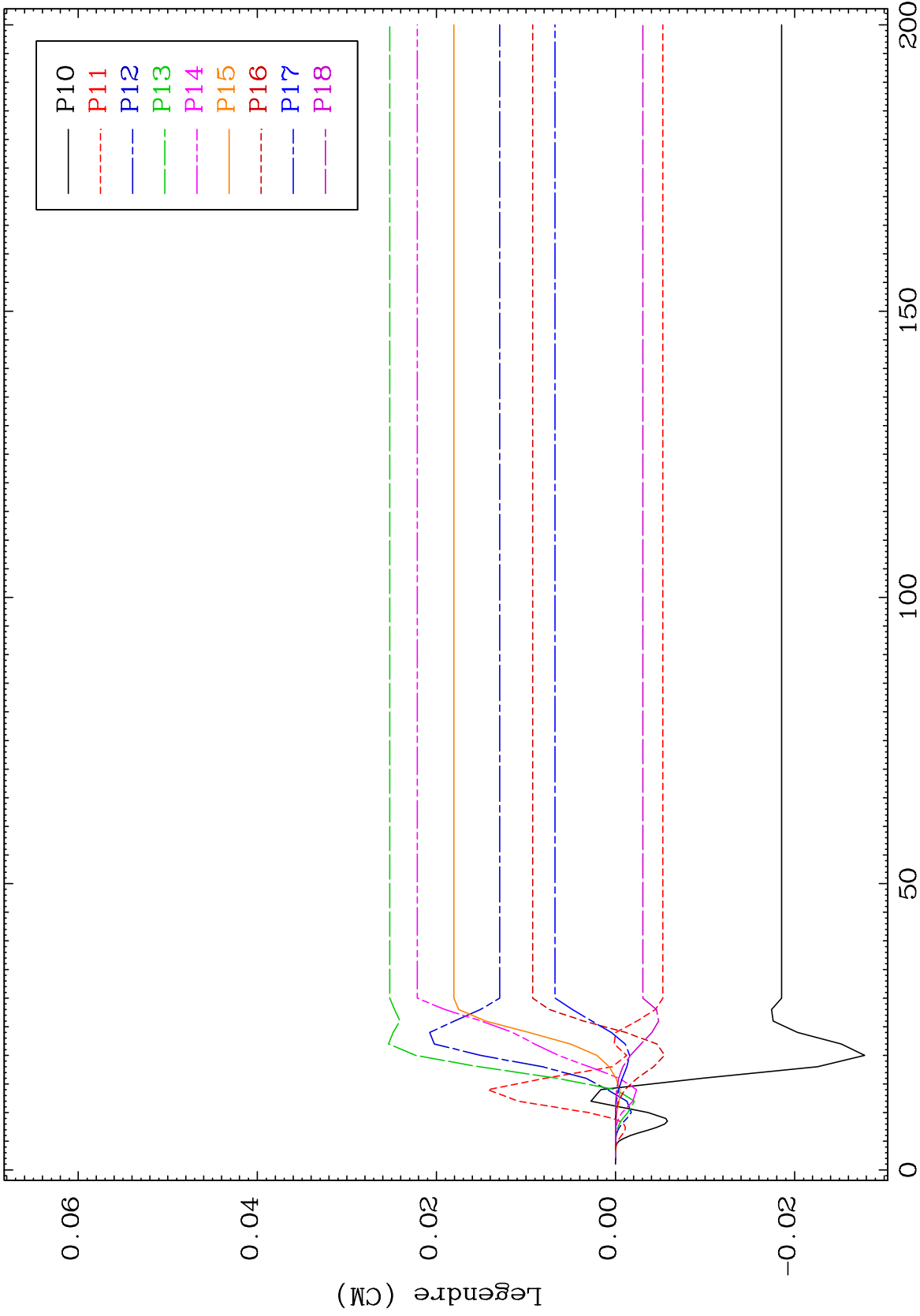
63-Eu-156



MAT 6340

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

63-Eu-156



112

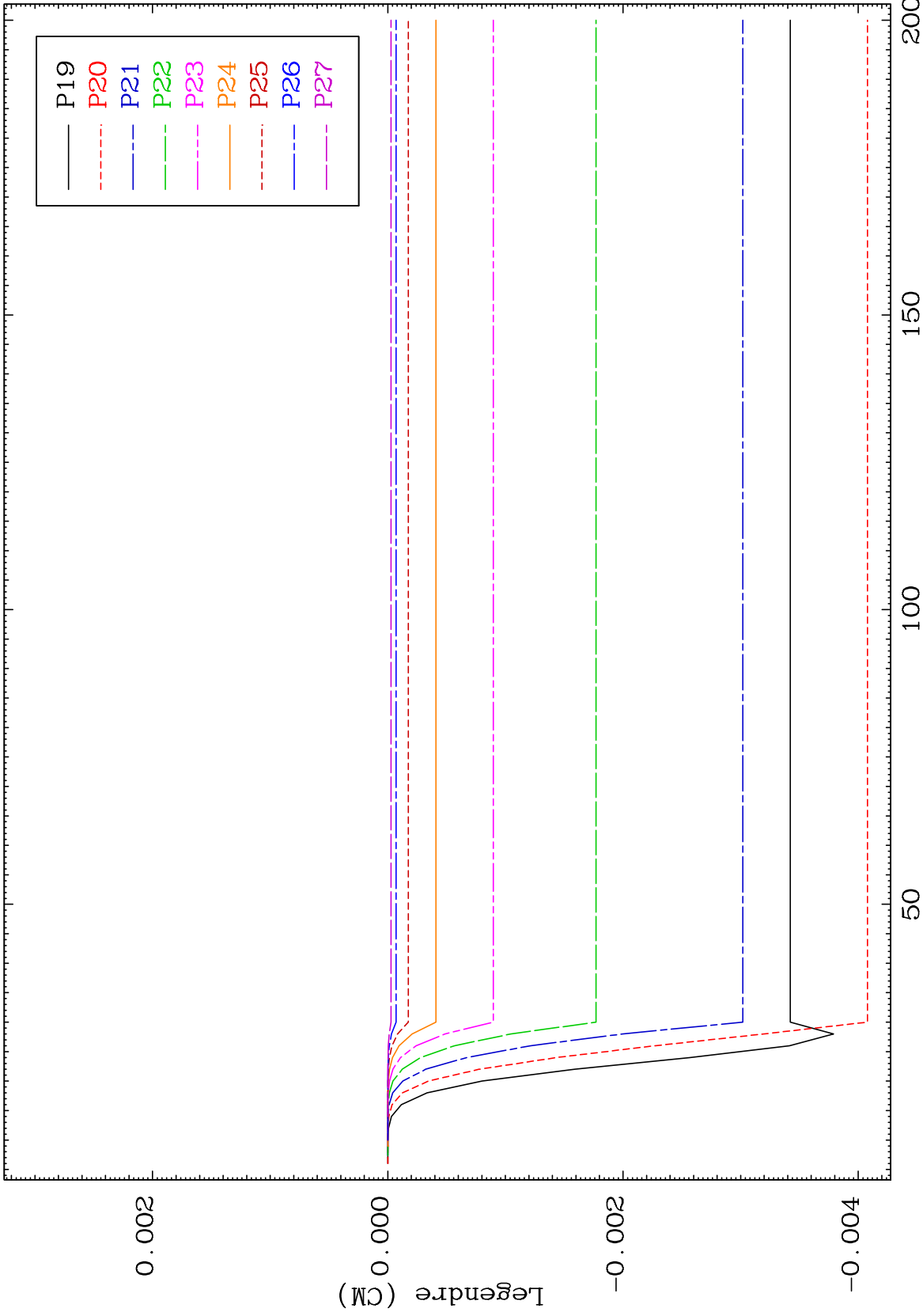
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



113

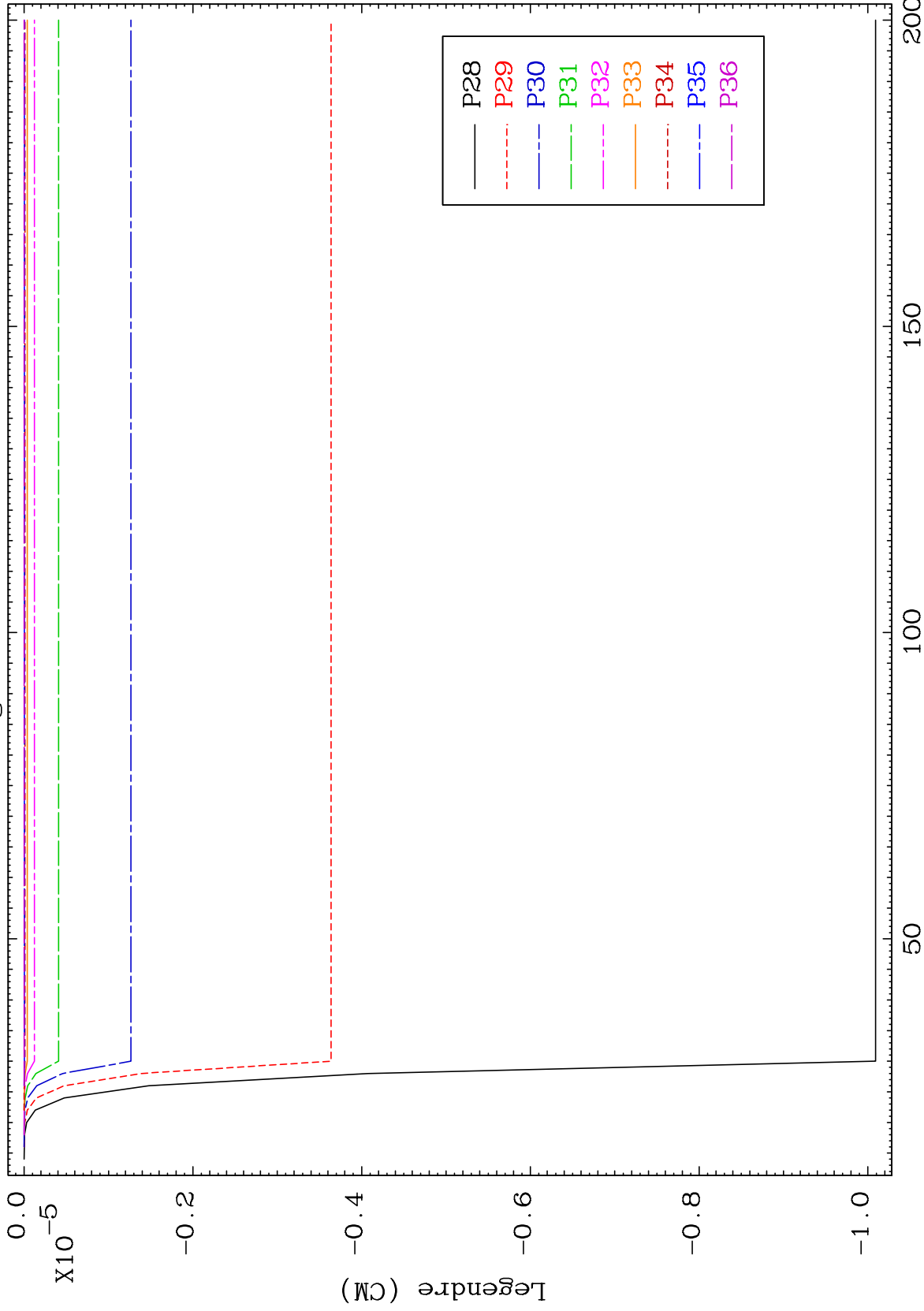
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



114

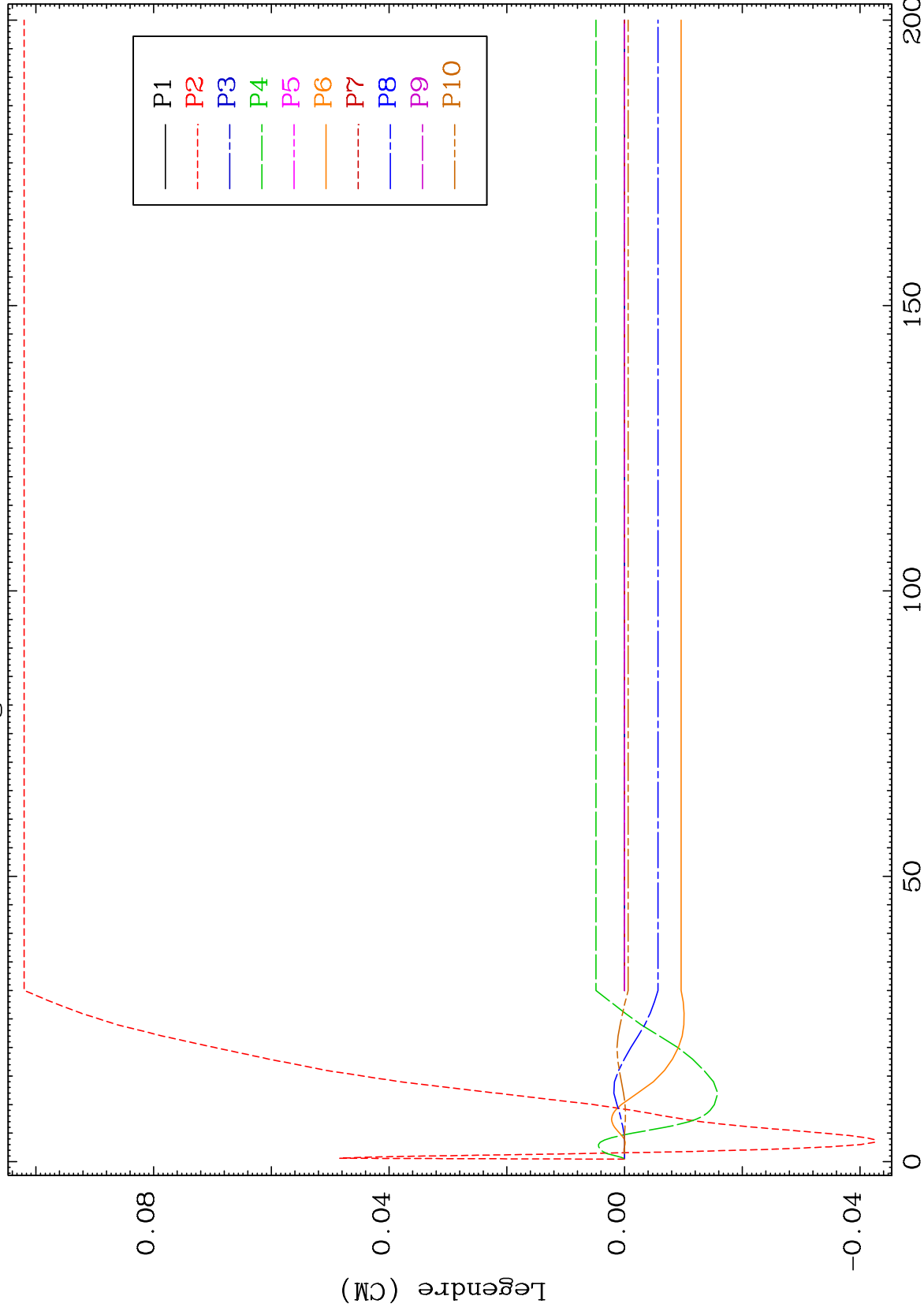
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



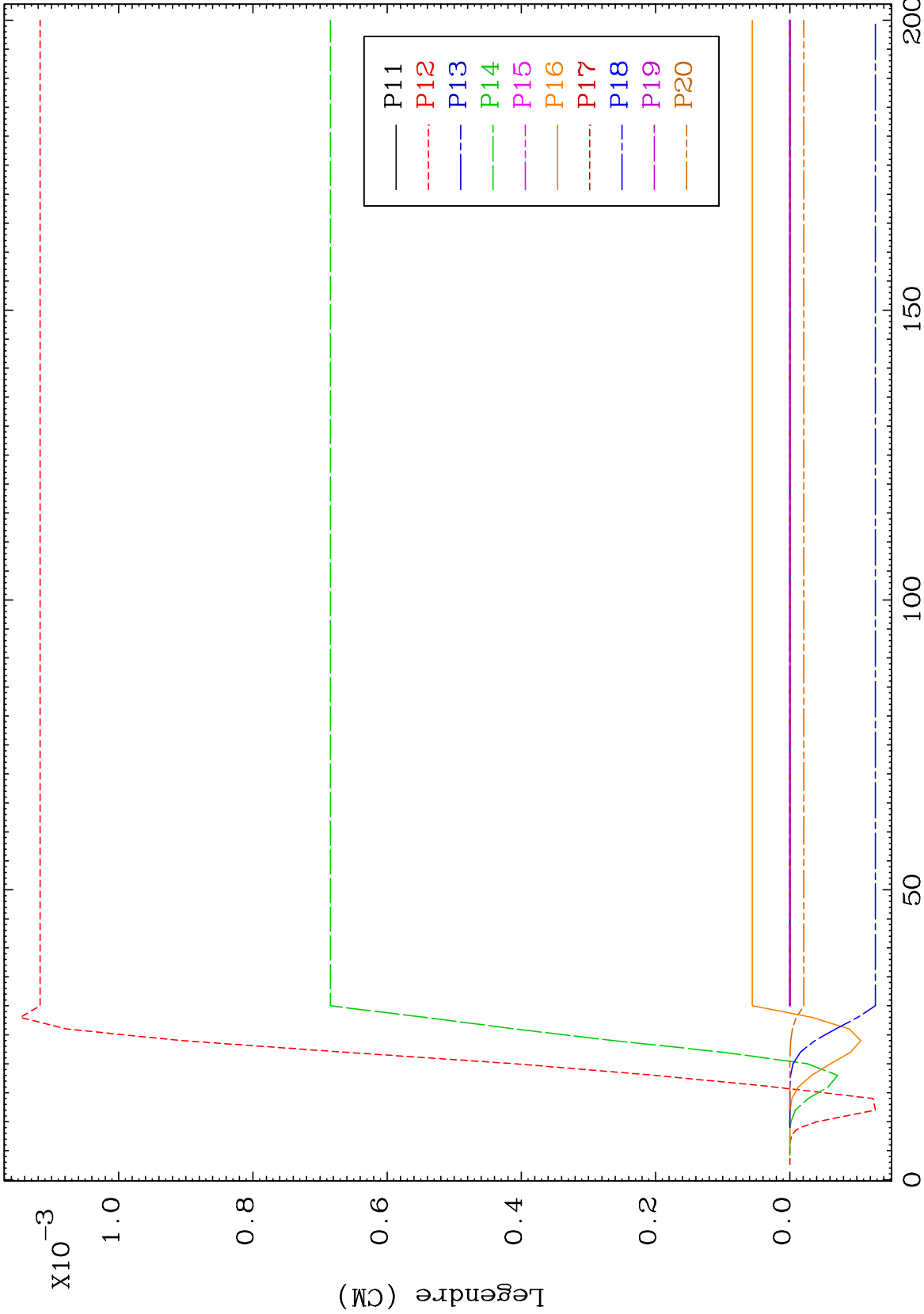
115

63-Eu-156

MAT 6340

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

63-Eu-156



116

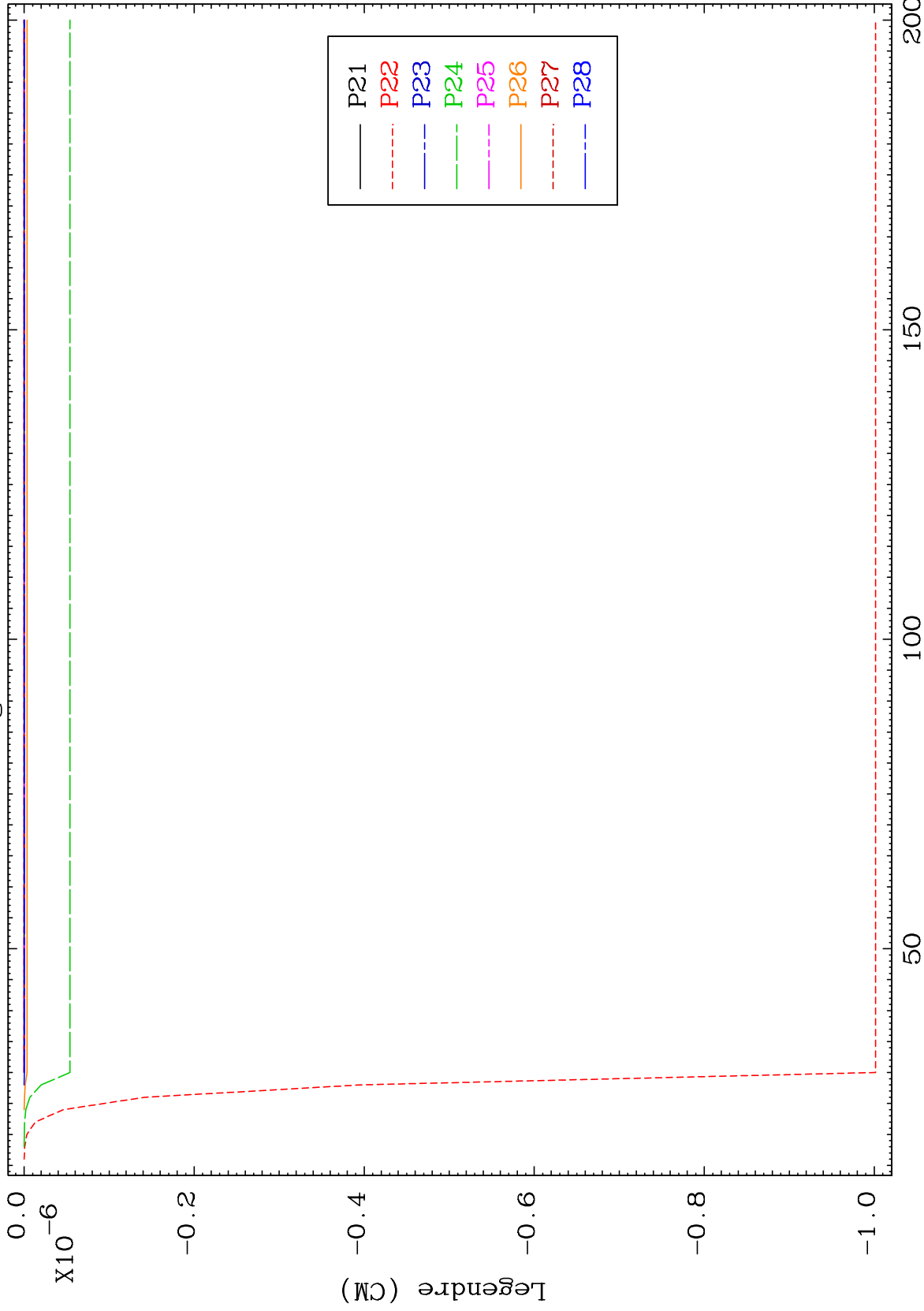
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



117

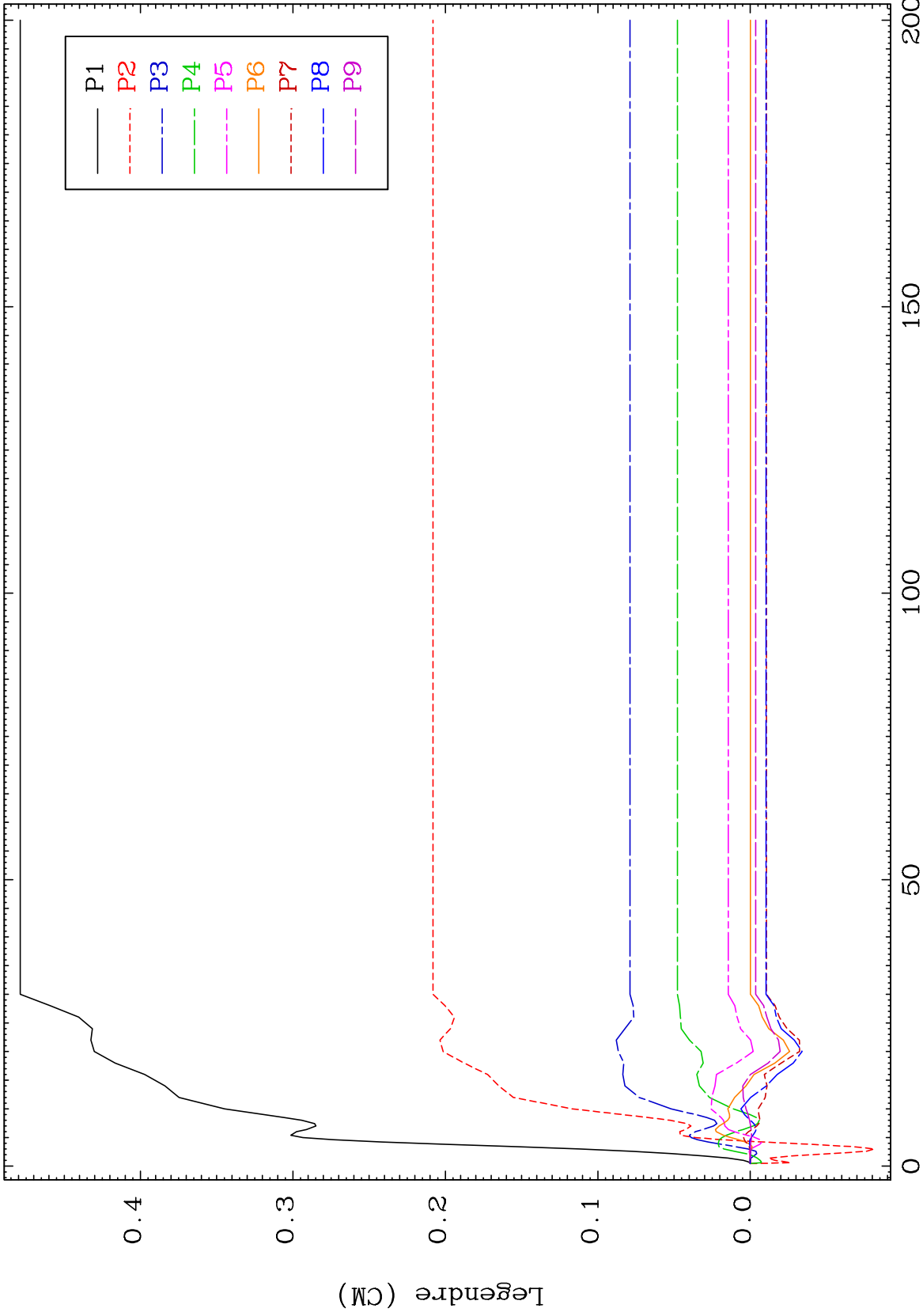
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



118

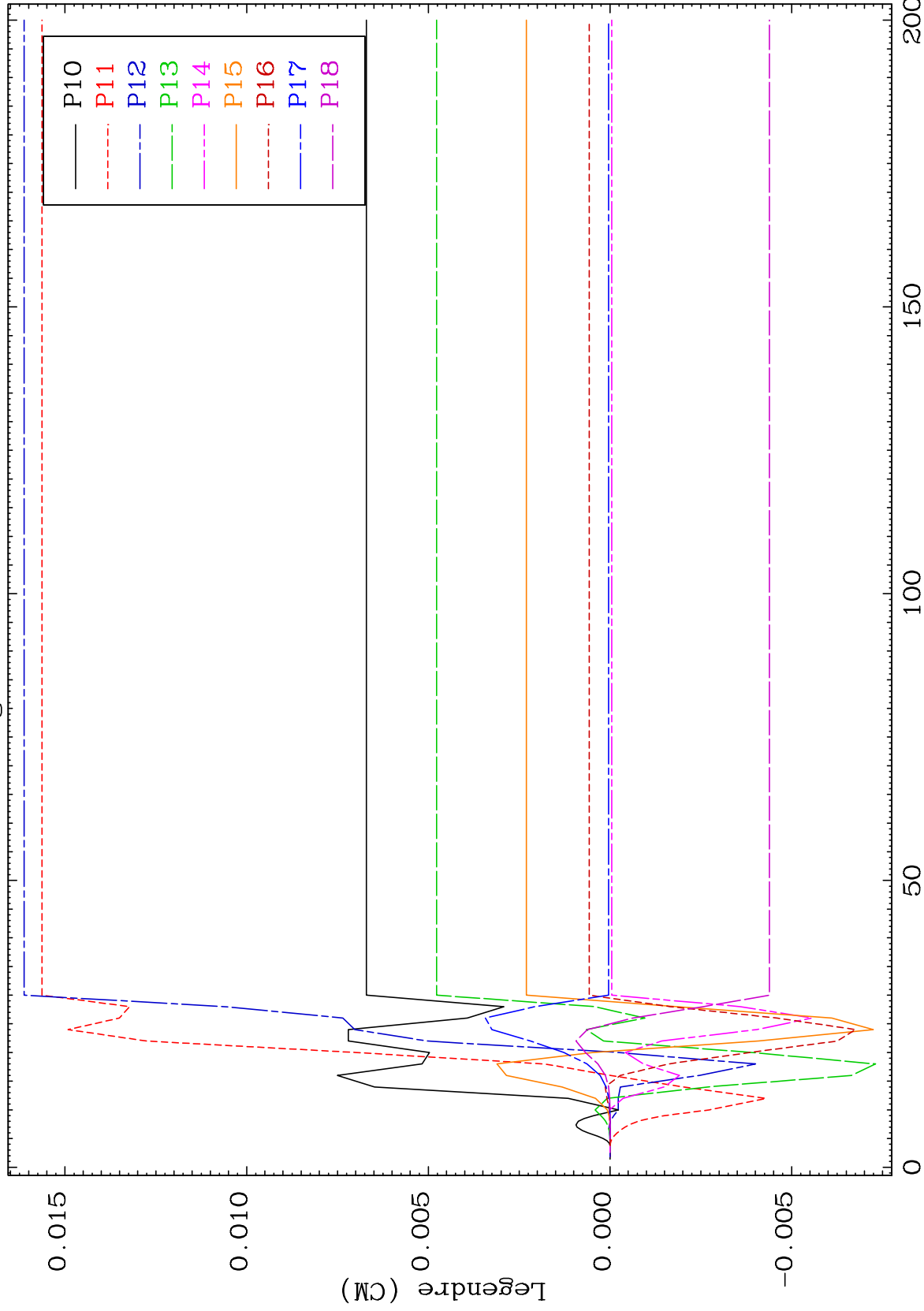
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



119

Incident Energy (MeV)

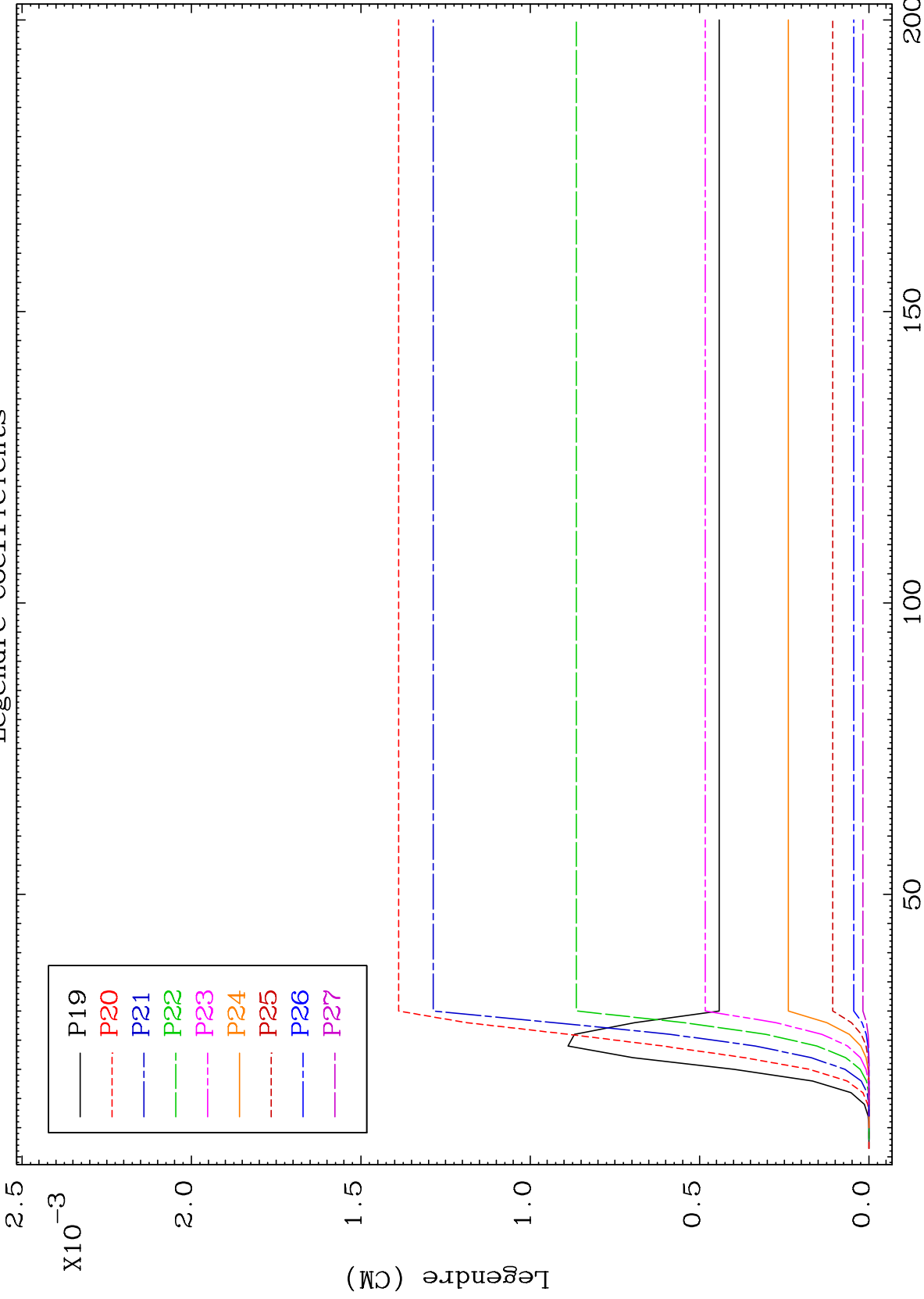
63-Eu-156



MAT 6340

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

63-Eu-156



120

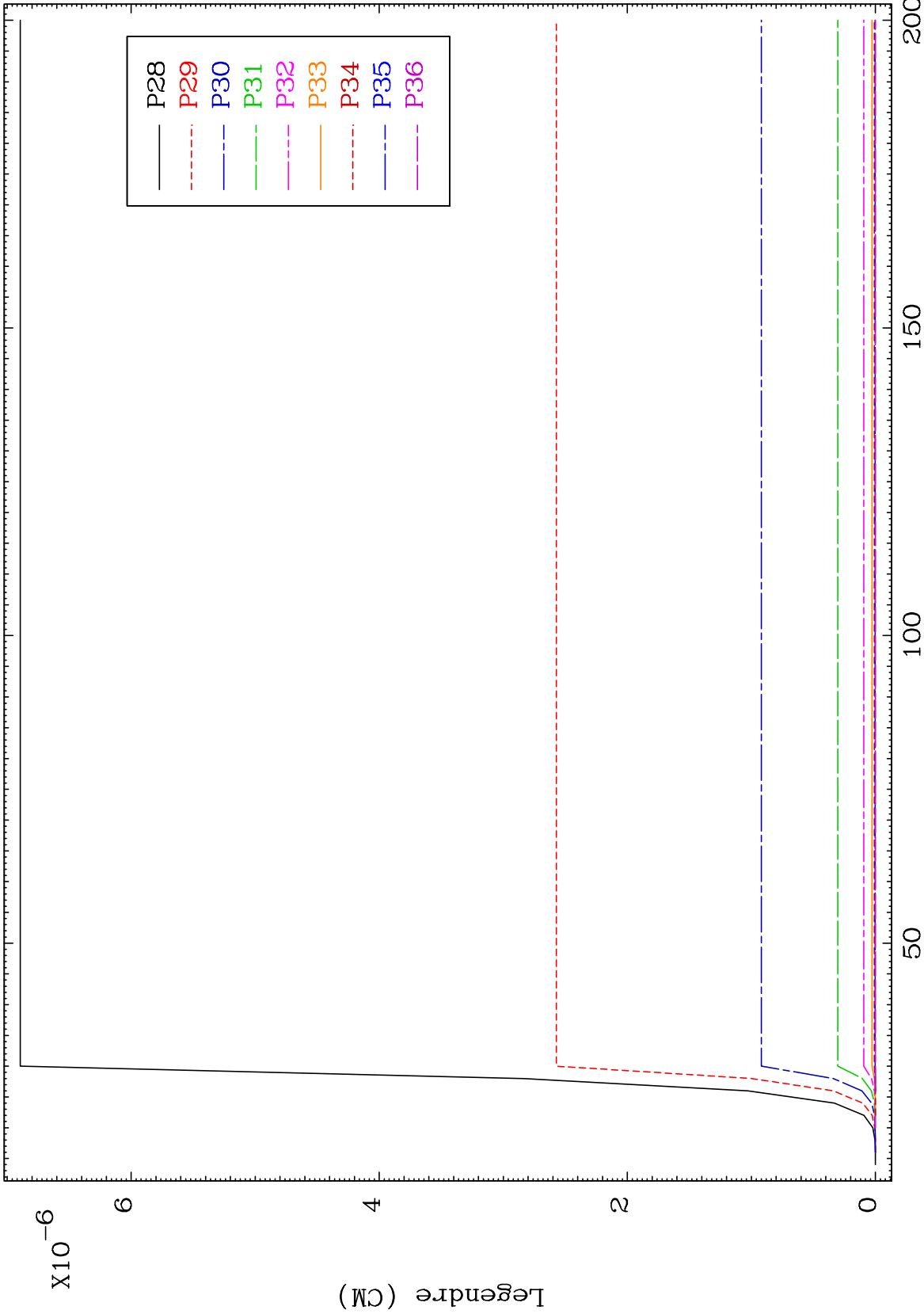
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



121

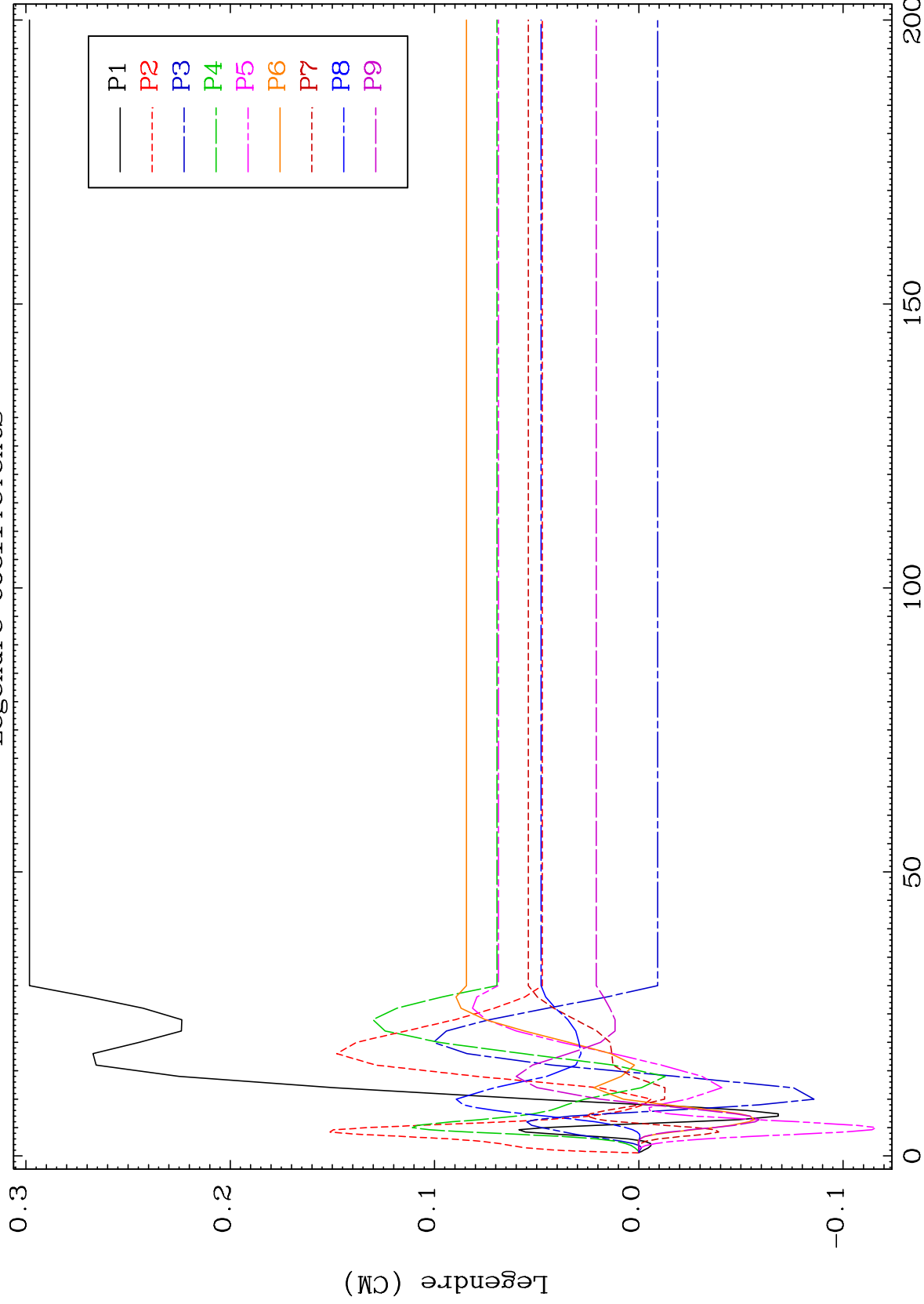
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



122

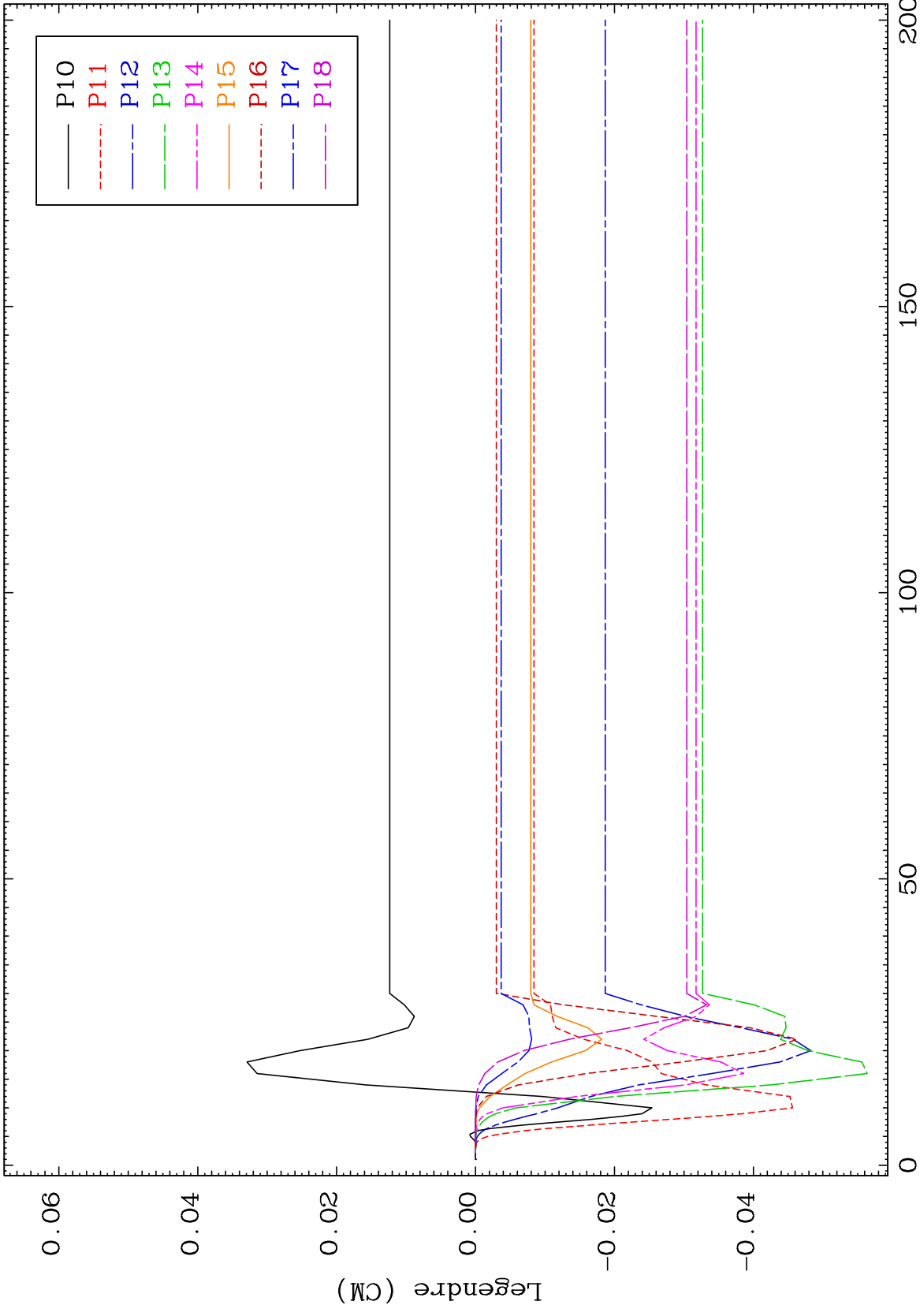
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



123

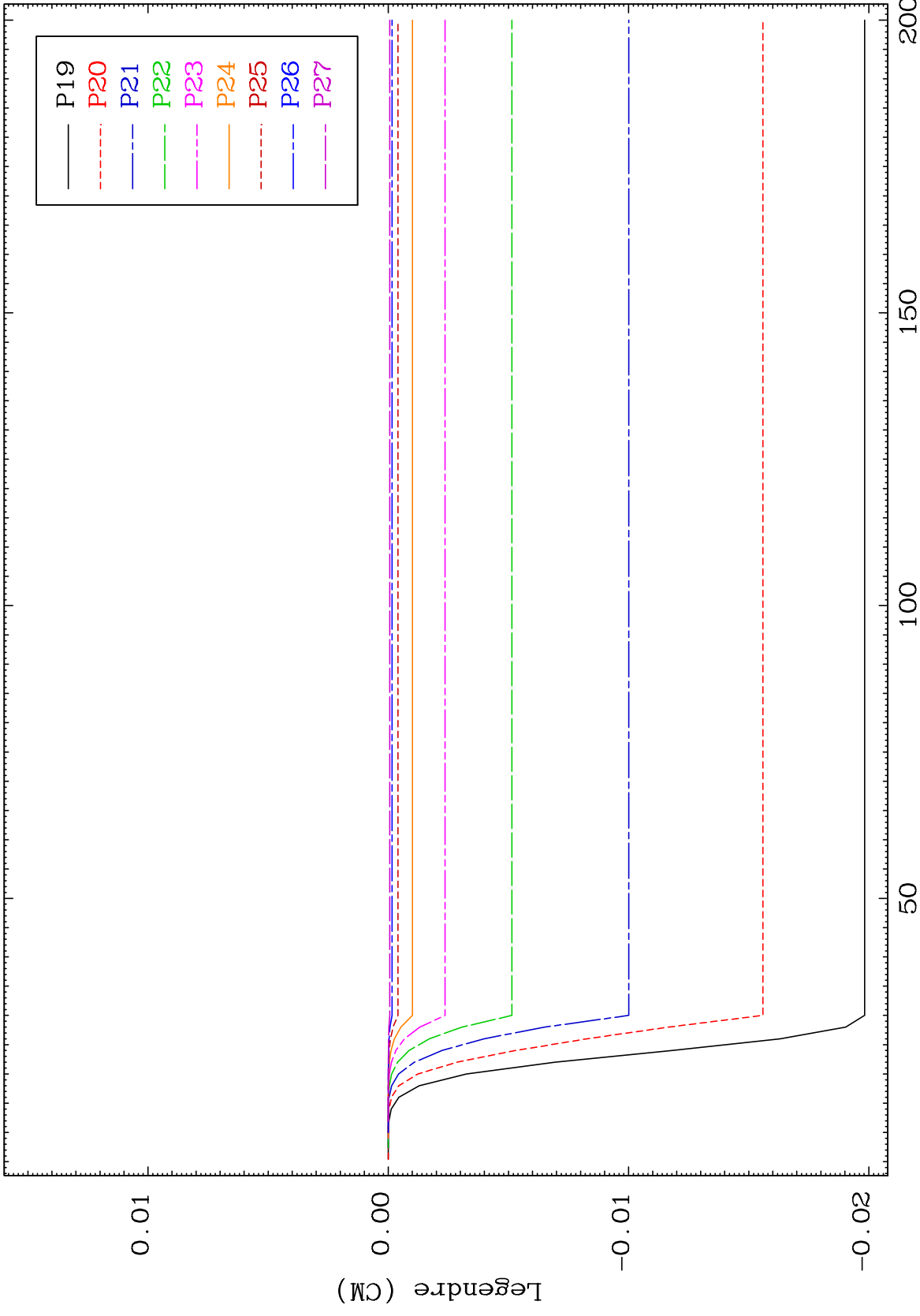
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



124

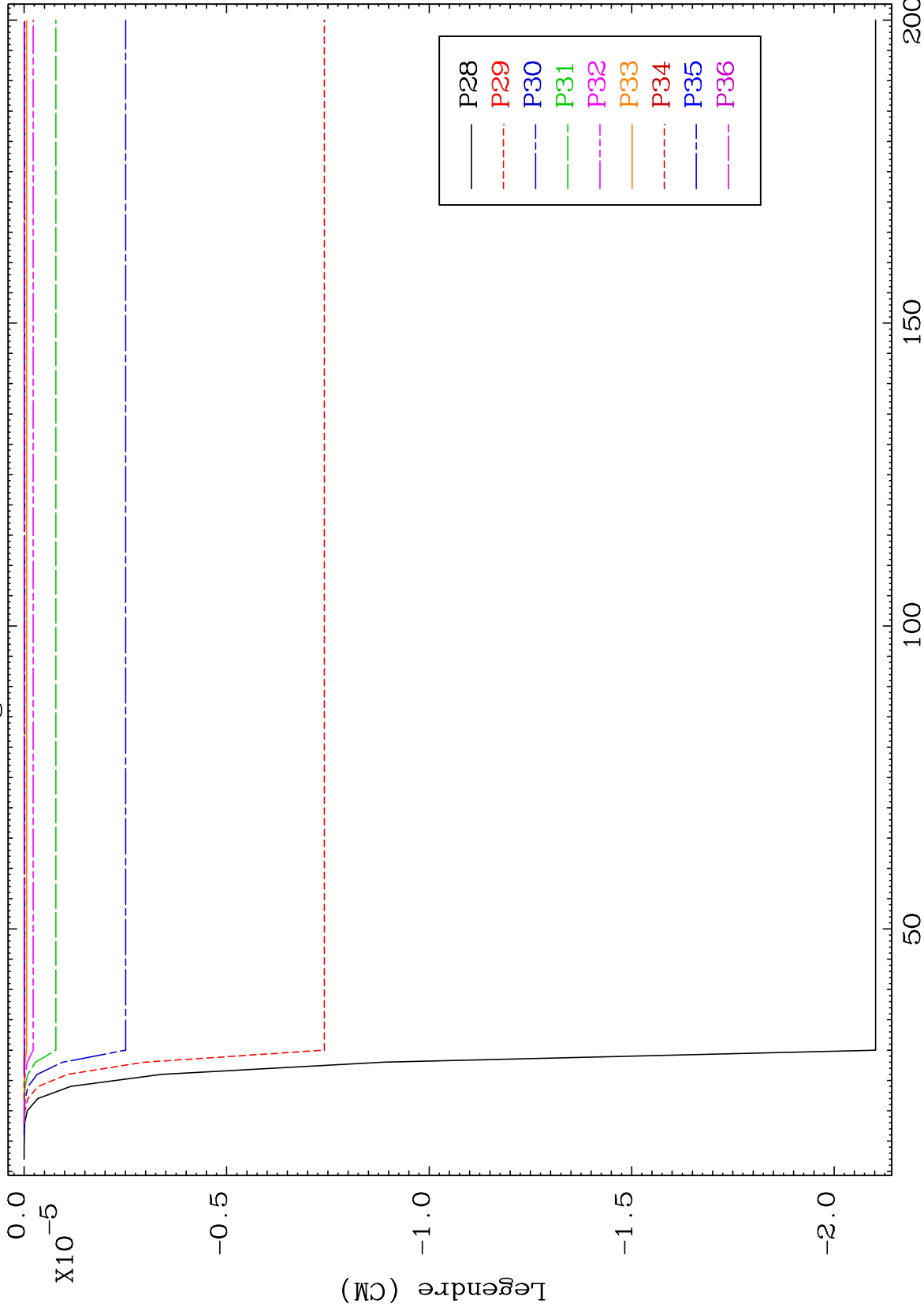
Incident Energy (MeV)

63-Eu-156

MAT 6340

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

63-Eu-156



125

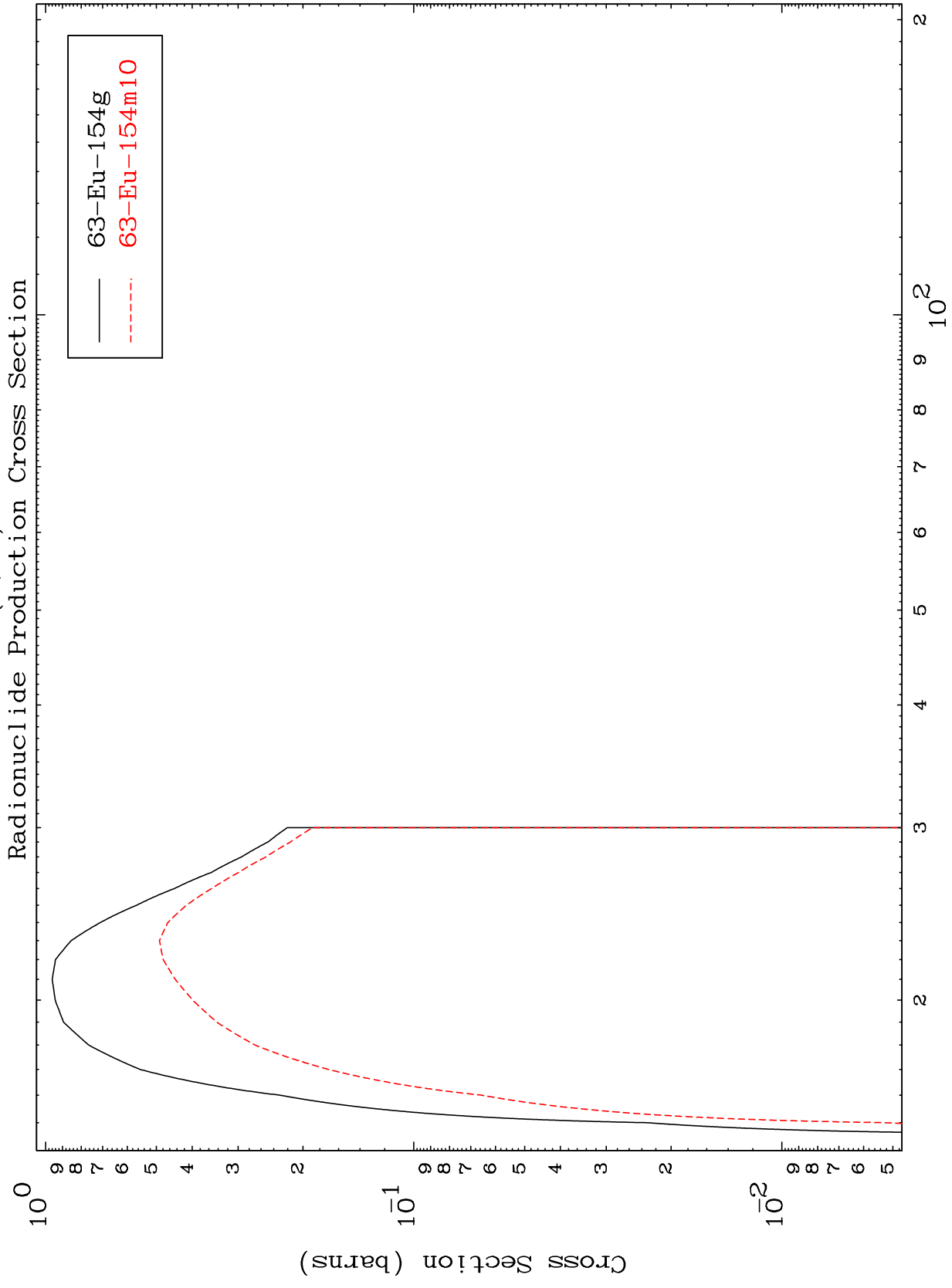
63-Eu-156

200

MAT 6340

(n,3n)

63-Eu-156



126

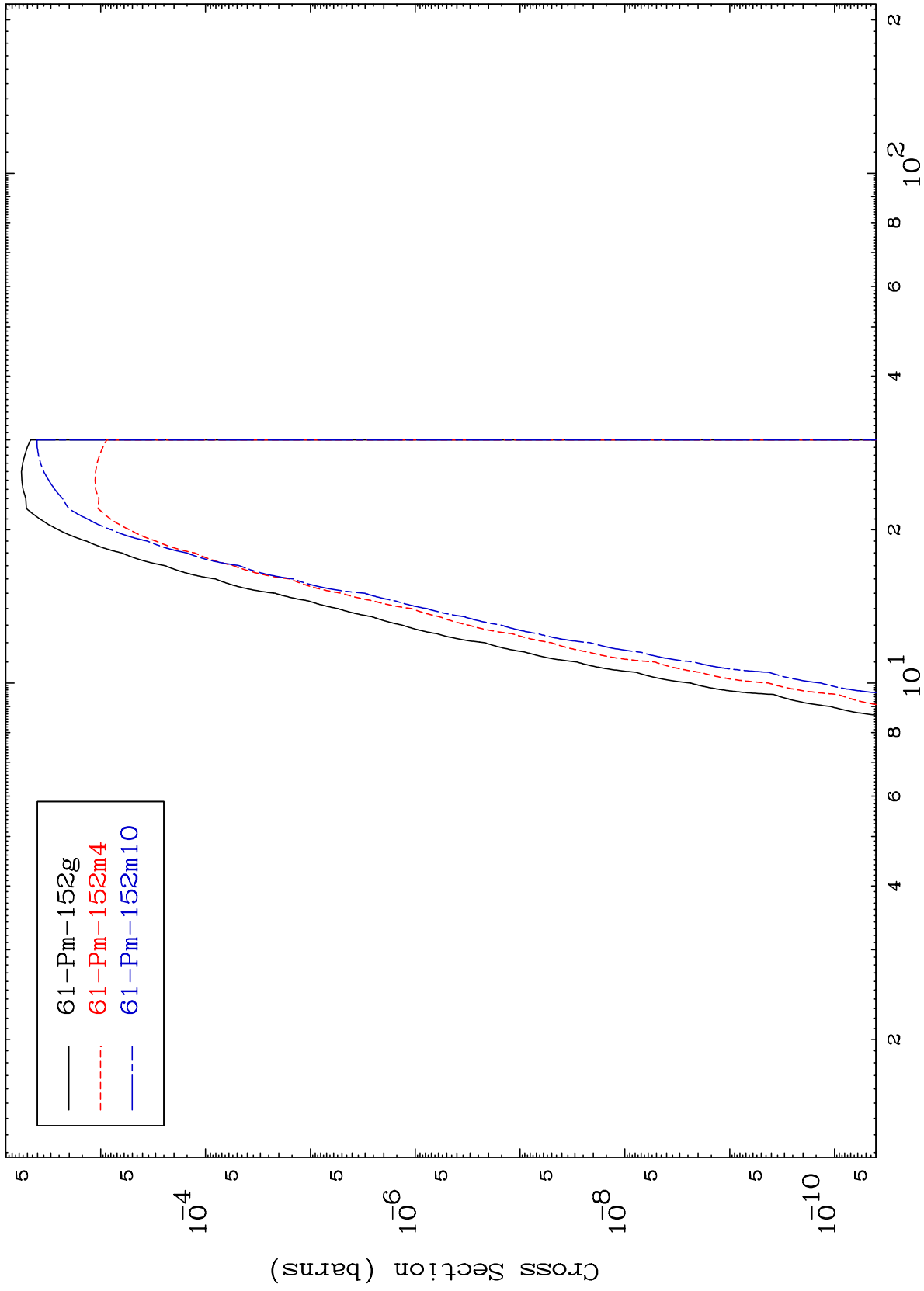
63-Eu-156

MAT 6340

(n,n')  $\alpha$

63-Eu-156

Radionuclide Production Cross Section



127

Incident Energy (MeV)

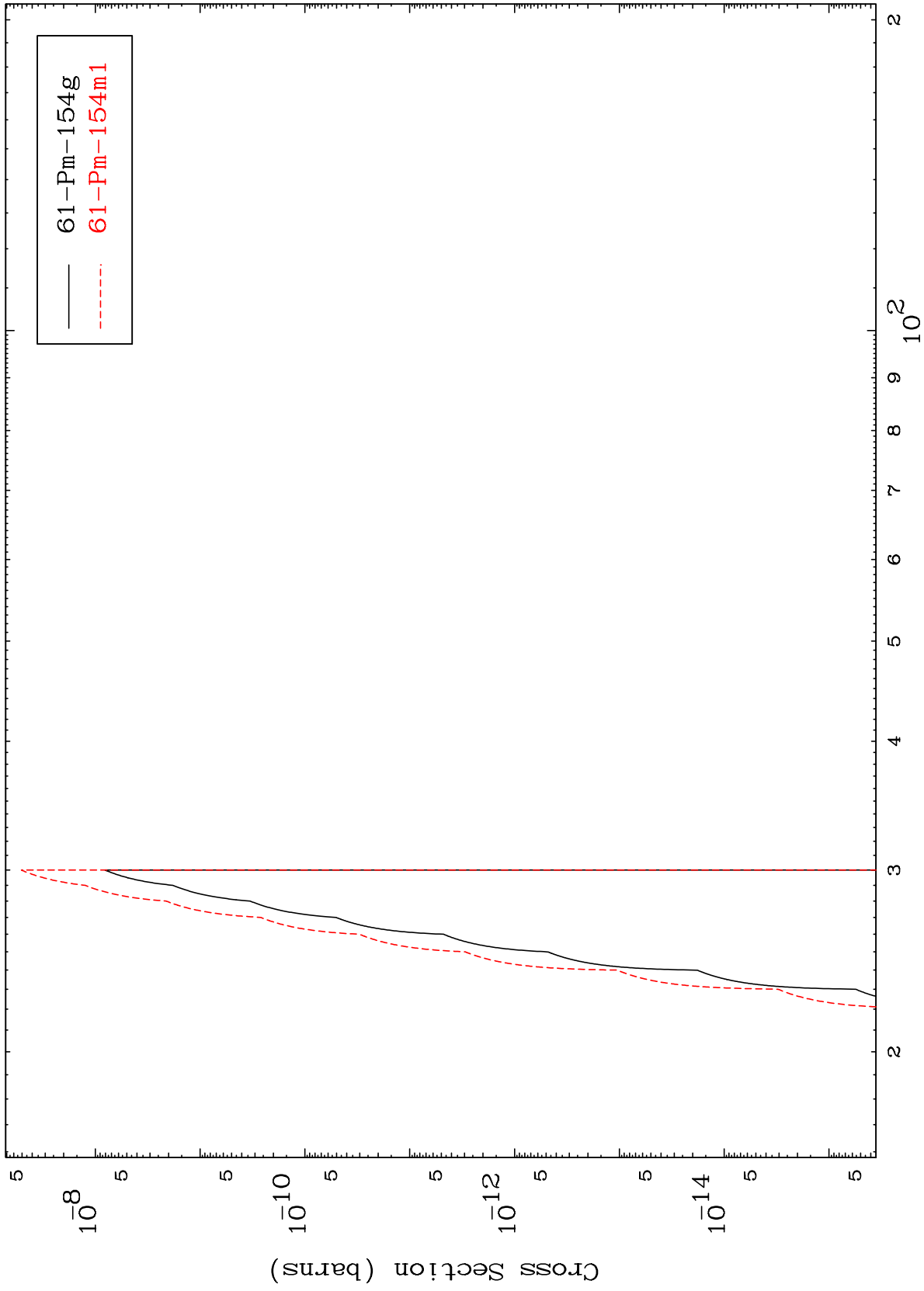
63-Eu-156



MAT 6340

63-Eu-156

(n,2n) p  
Radionuclide Production Cross Section



128

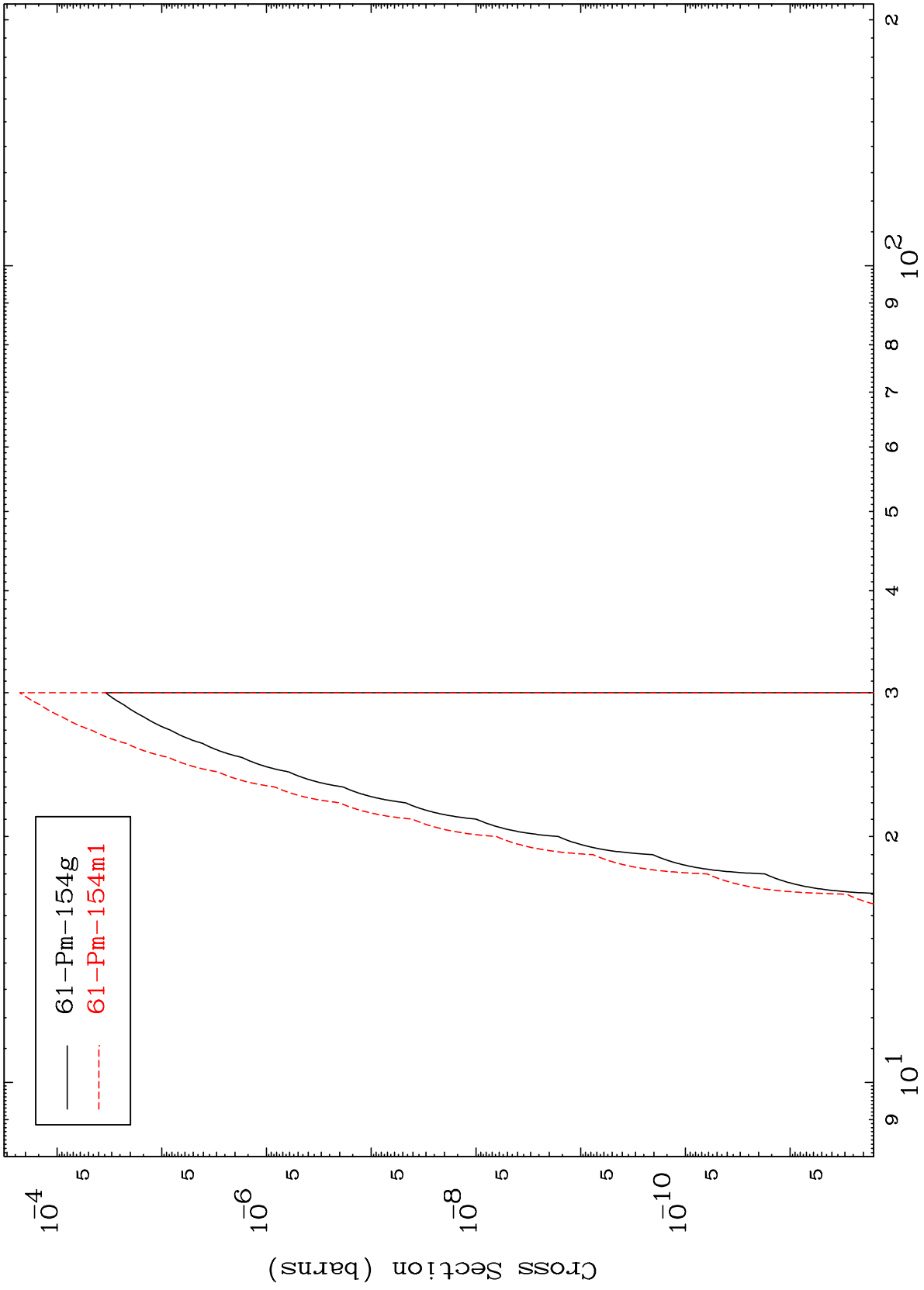
63-Eu-156

MAT 6340

(n,He-3)

63-Eu-156

Radionuclide Production Cross Section



129

Incident Energy (MeV)

63-Eu-156