

Program EVALPLOT  
(Version 2018-1)

by

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(Present Contact Information)

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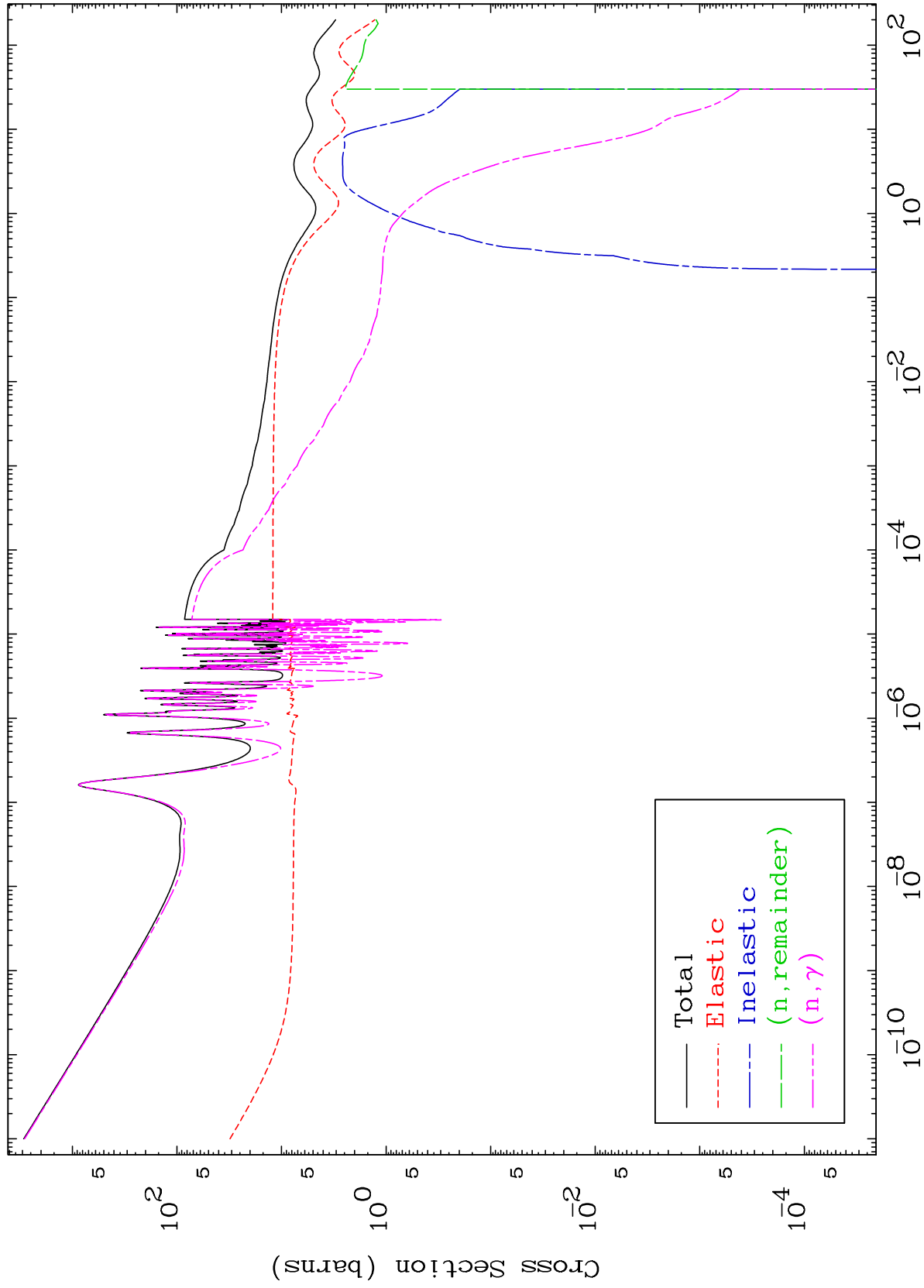
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8719

Major  
293 Kelvin Cross Sections

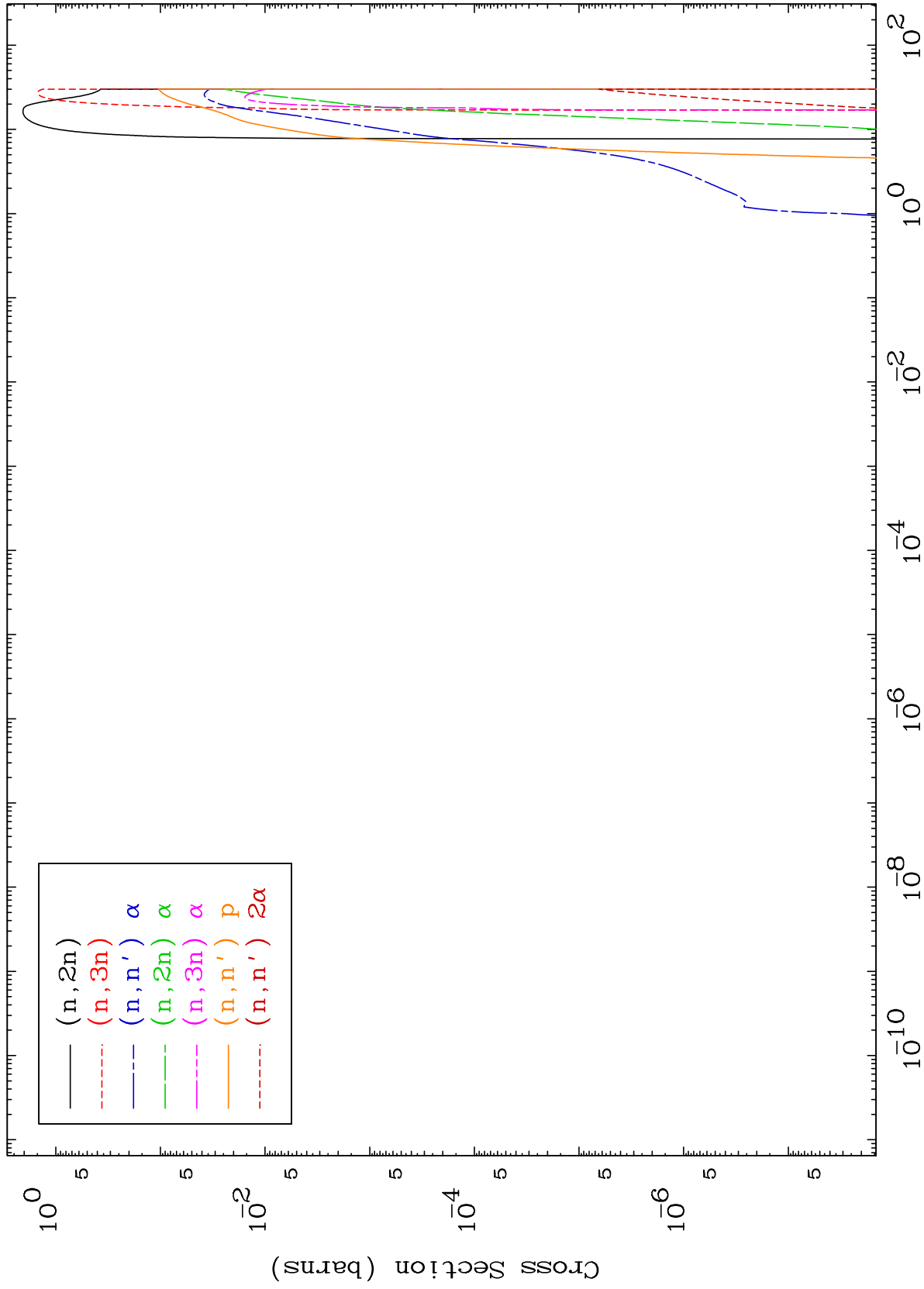
87-Fr-210



MAT 8719

Neutron Production  
293 Kelvin Cross Sections

87-Fr-210



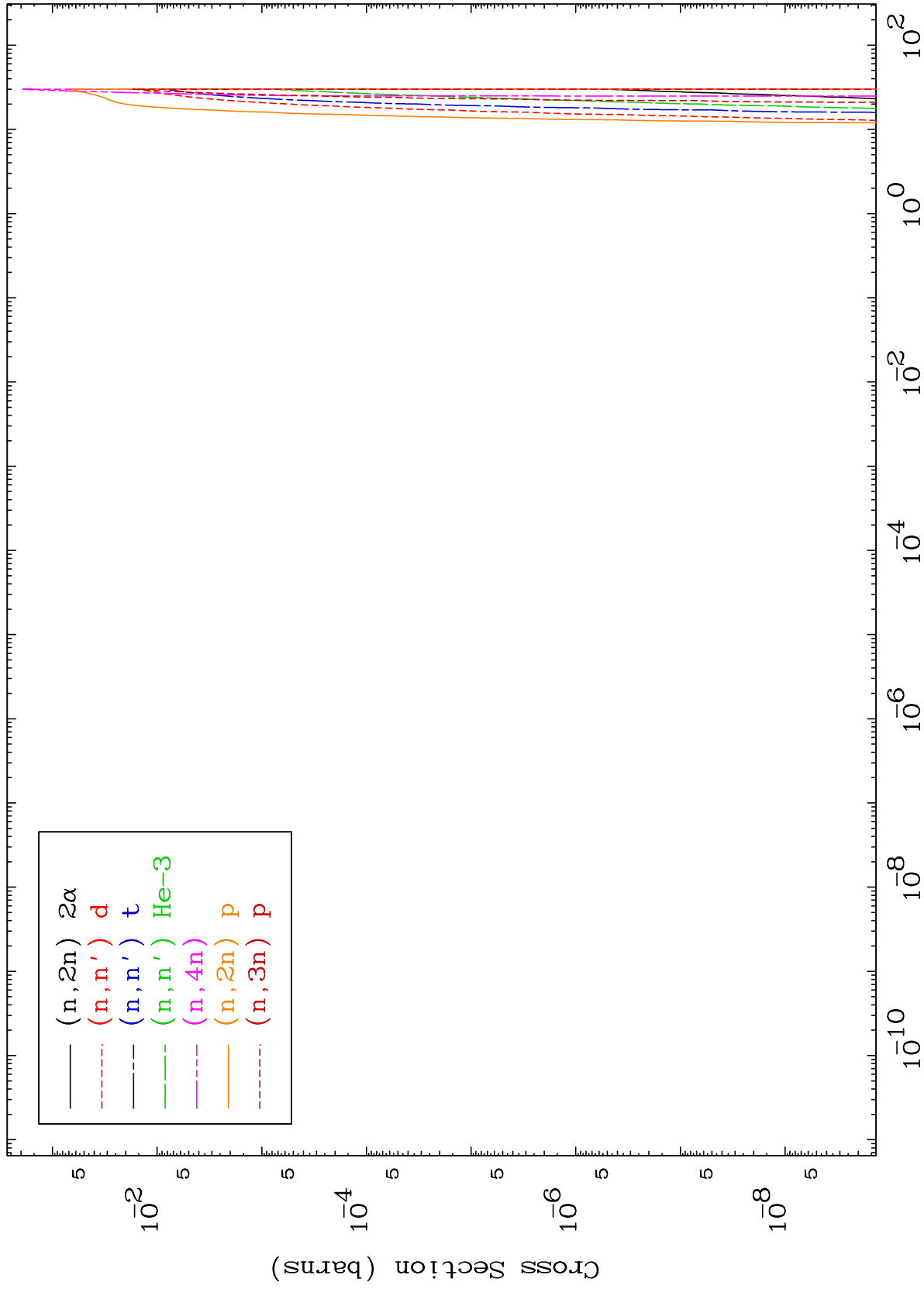
2

87-Fr-210

MAT 8719

Neutron Production  
293 Kelvin Cross Sections

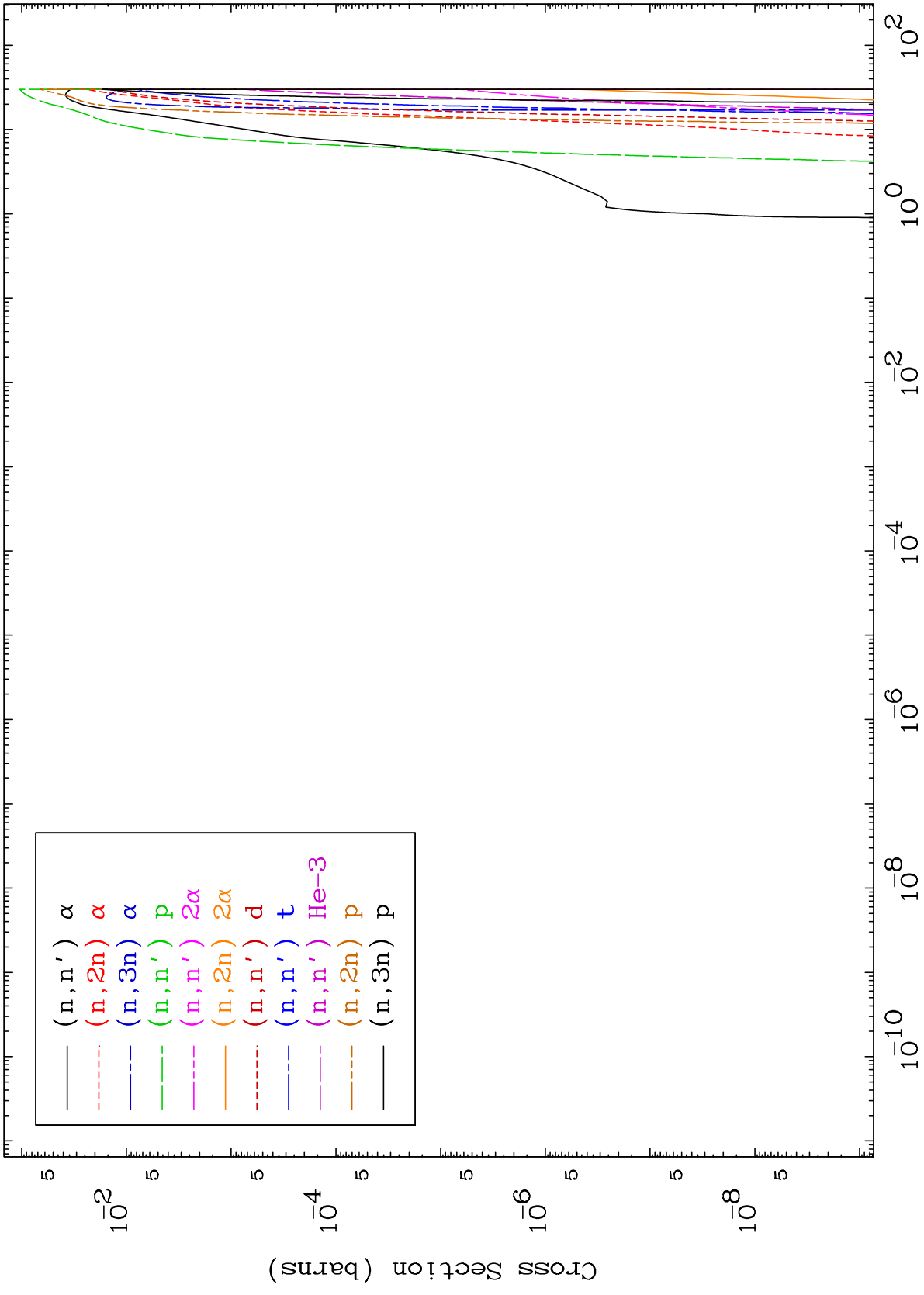
87-Fr-210



MAT 8719

Charged Particle  
293 Kelvin Cross Sections

87-Fr-210



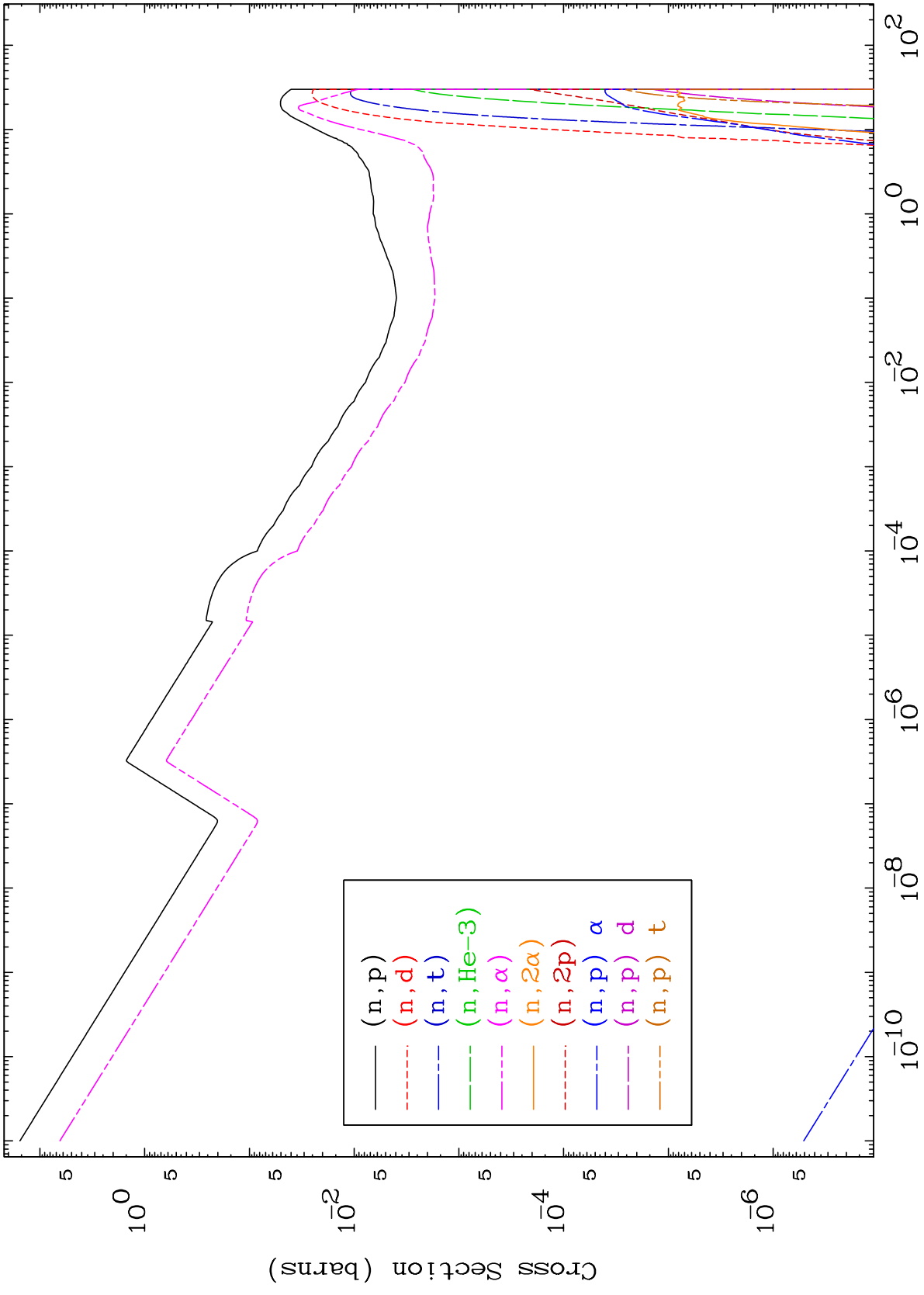
87-Fr-210

Incident Energy (MeV)

MAT 8719

Charged Particle  
293 Kelvin Cross Sections

87-Fr-210



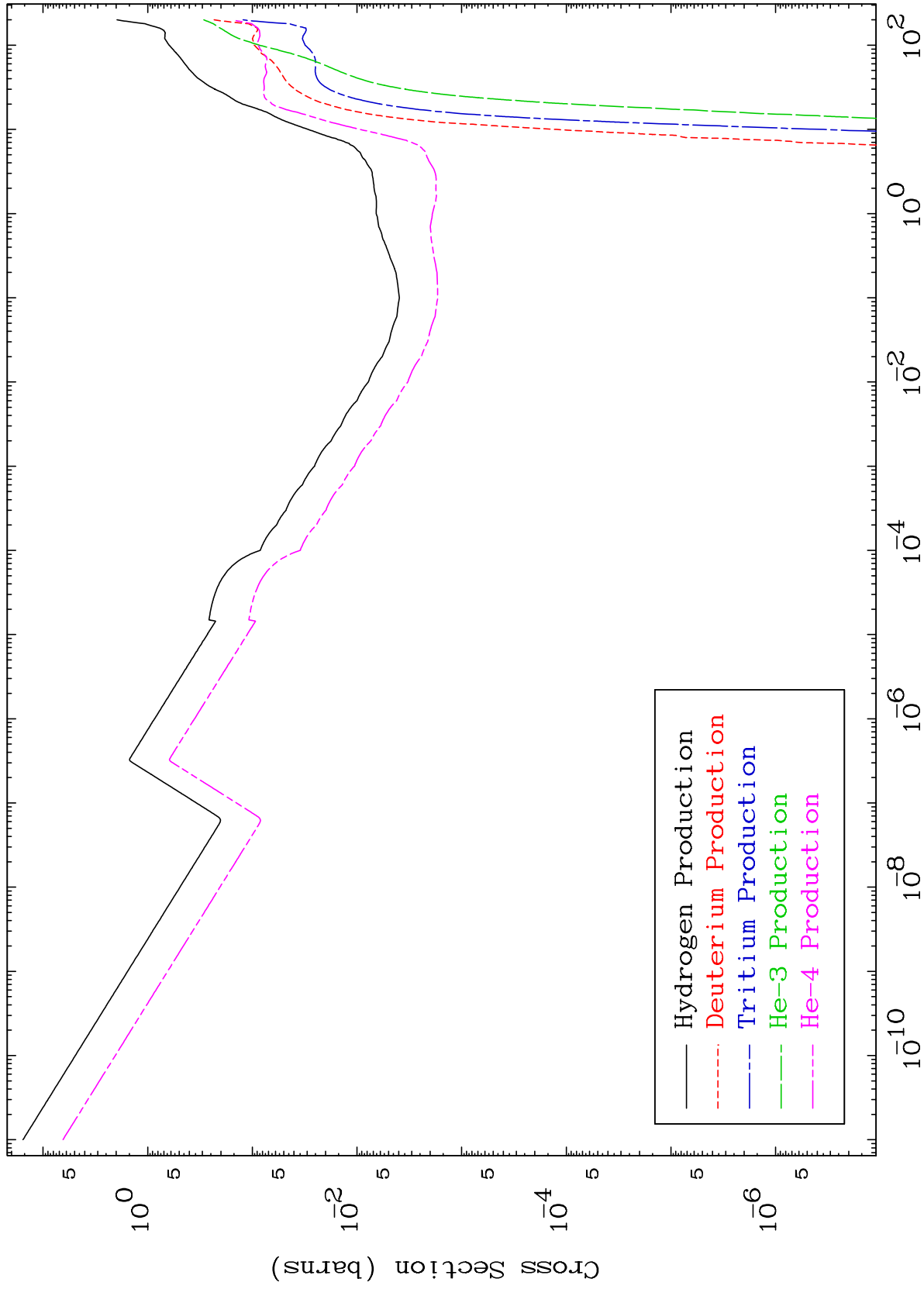
5

87-Fr-210

MAT 8719

Particle Production  
293 Kelvin Cross Sections

87-Fr-210

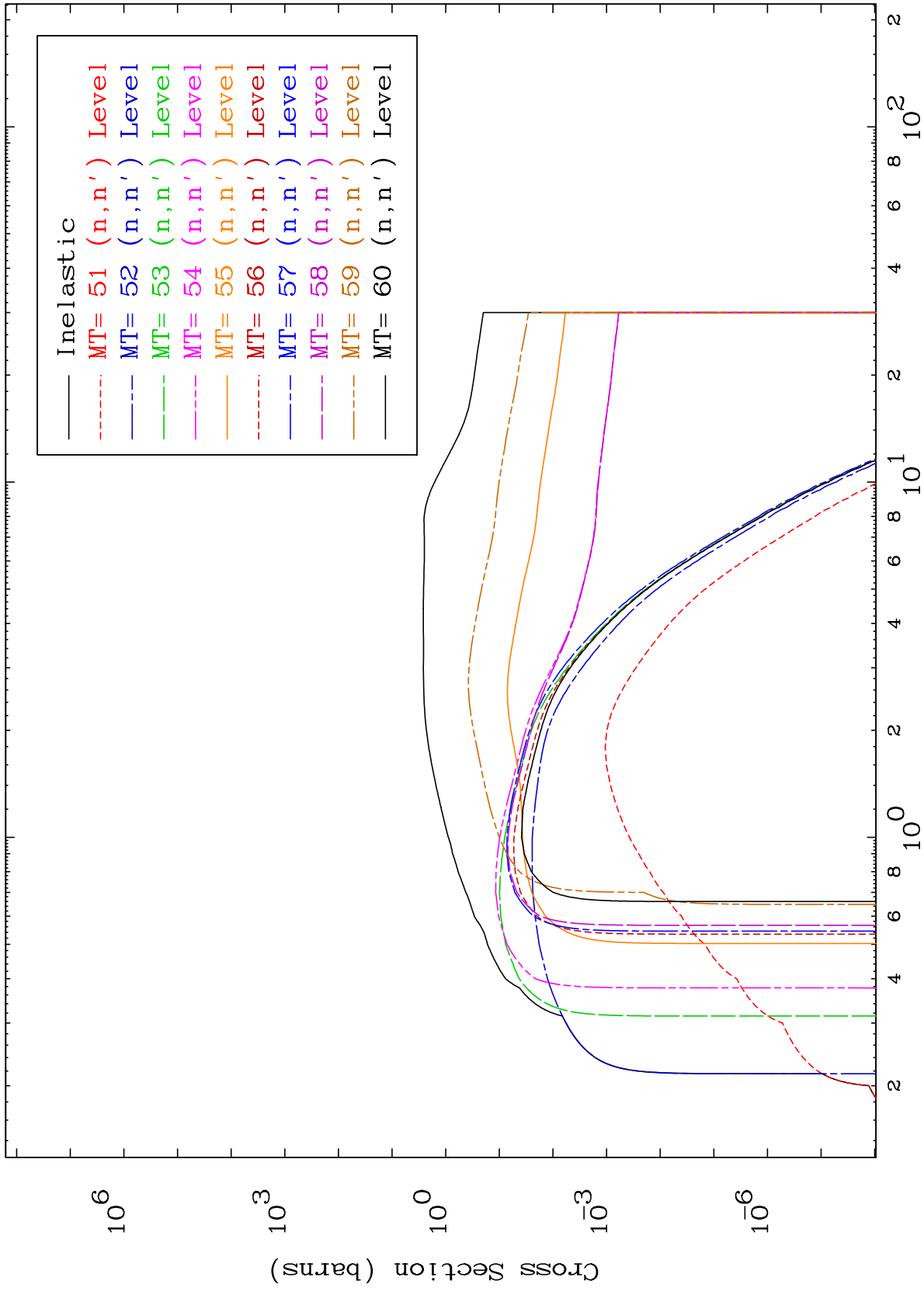


MAT 8719

(n,n') Level

87-Fr-210

293 Kelvin Cross Sections



7

Incident Energy (MeV)

87-Fr-210

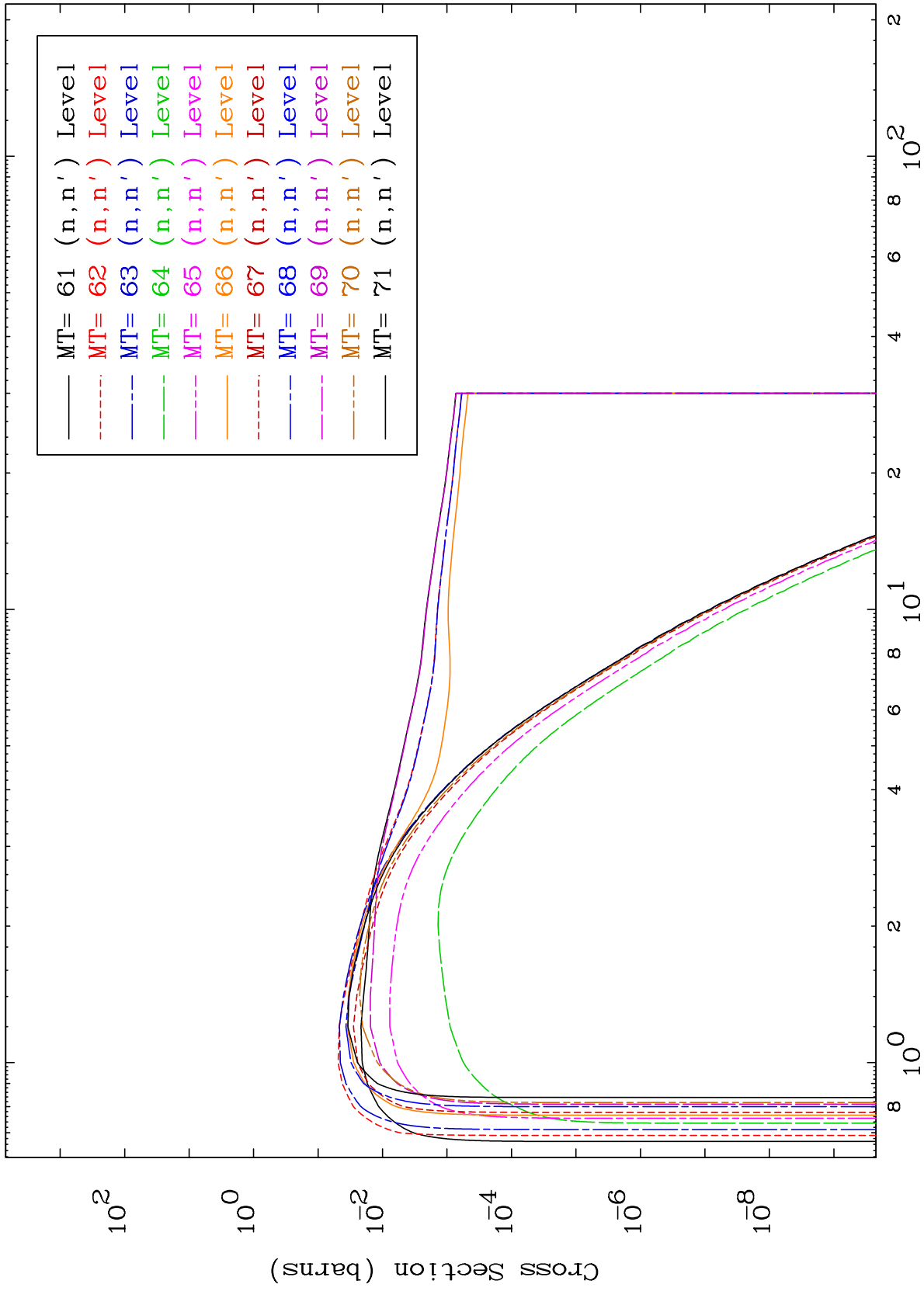


MAT 8719

(n,n') Level

87-Fr-210

293 Kelvin Cross Sections



8

Incident Energy (MeV)

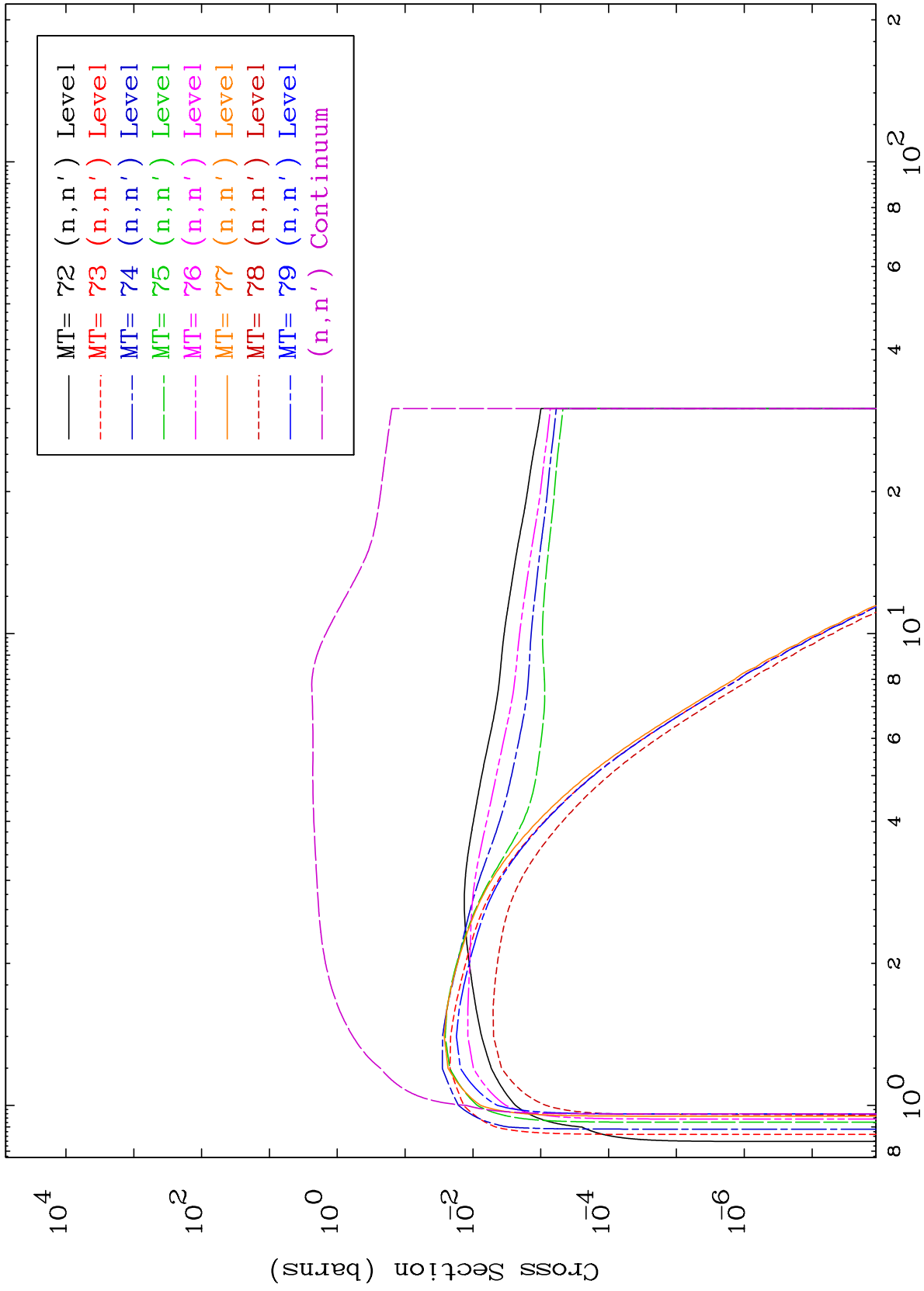
87-Fr-210

MAT 8719

(n,n') Level

87-Fr-210

293 Kelvin Cross Sections



9

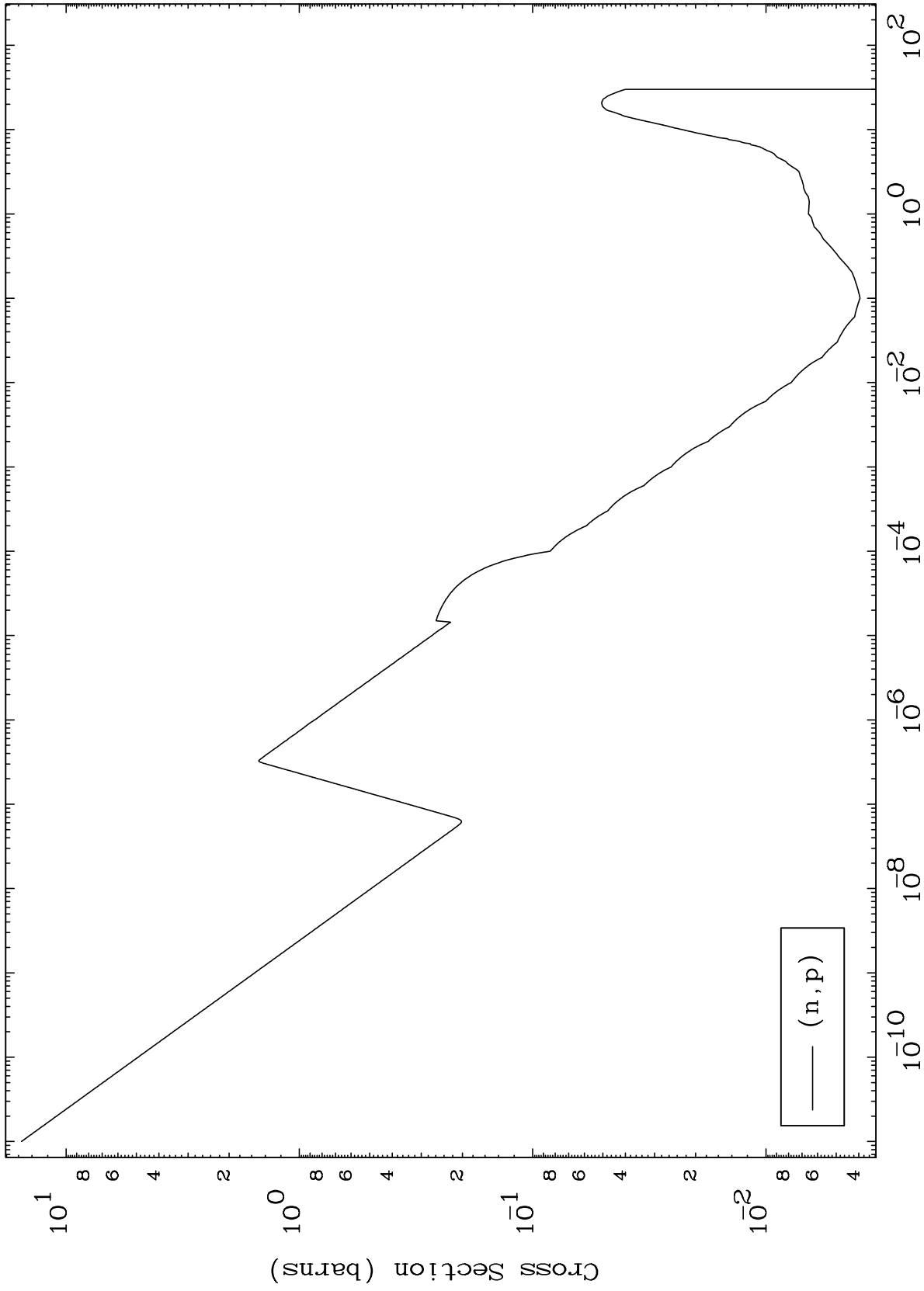
Incident Energy (MeV)

87-Fr-210

MAT 8719

(n,p) Levels  
293 Kelvin Cross Sections

87-Fr-210



10

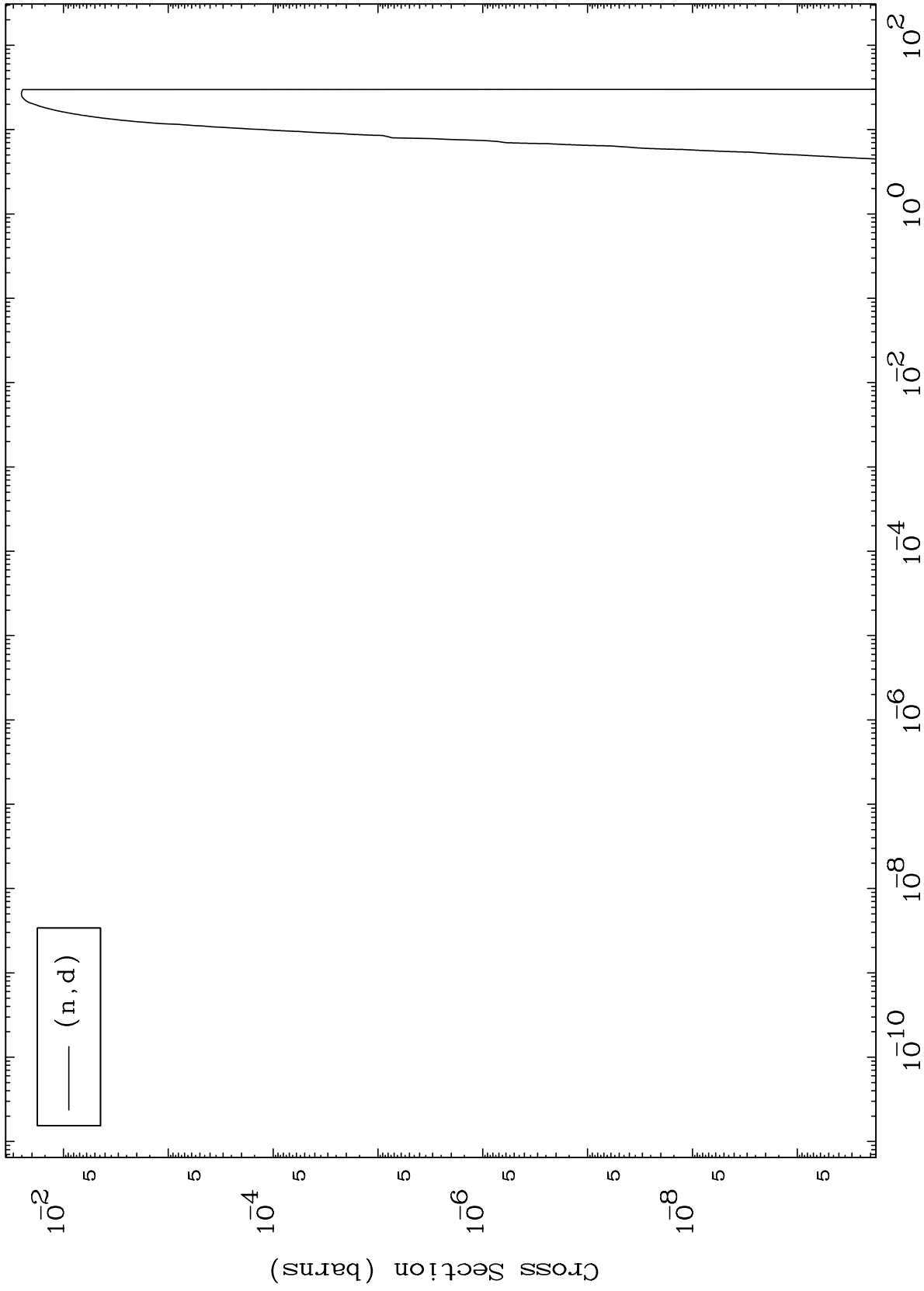
Incident Energy (MeV)

87-Fr-210

MAT 8719

(n,d) Levels  
293 Kelvin Cross Sections

87-Fr-210



11

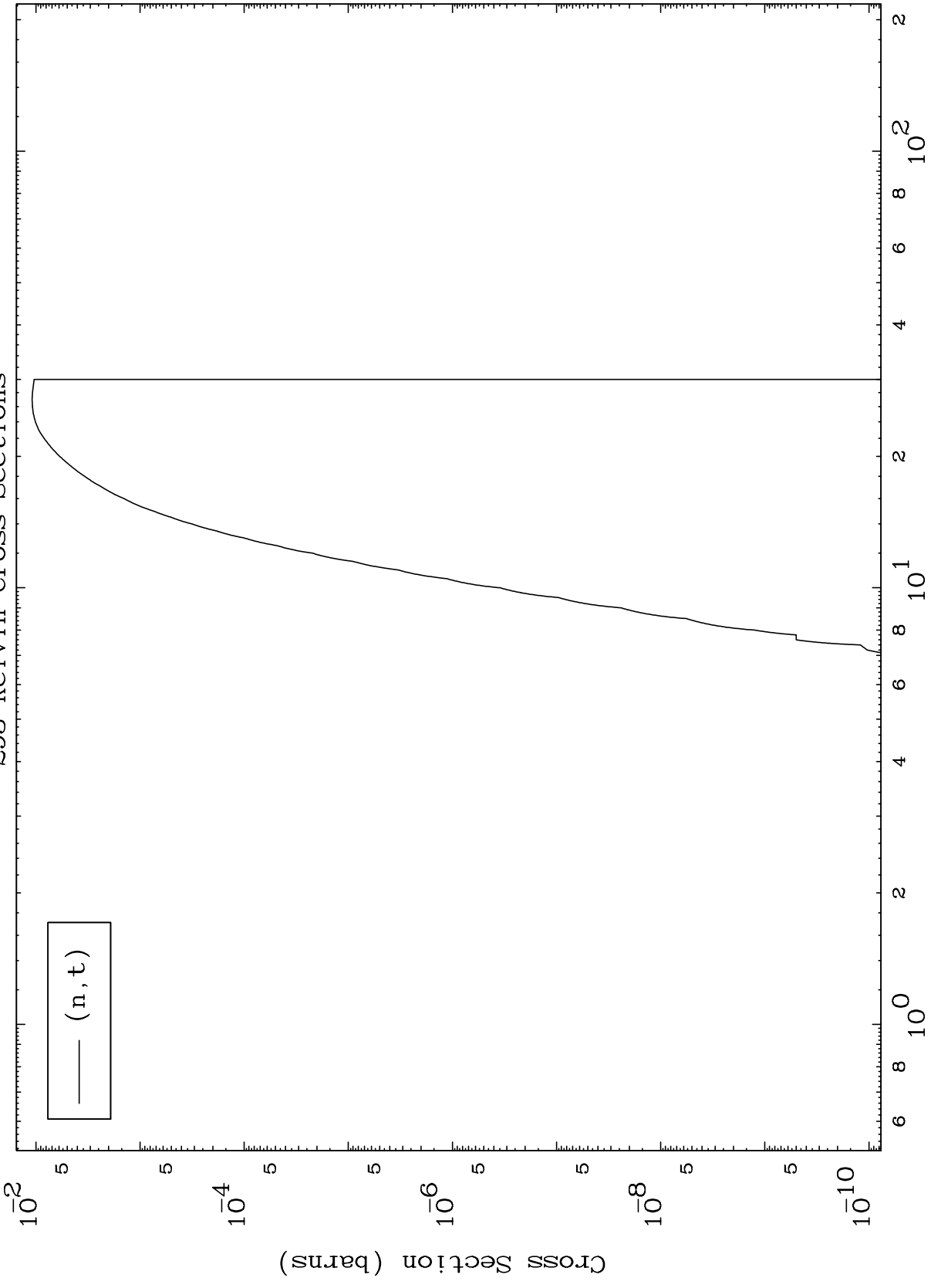
Incident Energy (MeV)

87-Fr-210

MAT 8719

87-Fr-210

(n,t) Levels  
293 Kelvin Cross Sections



12

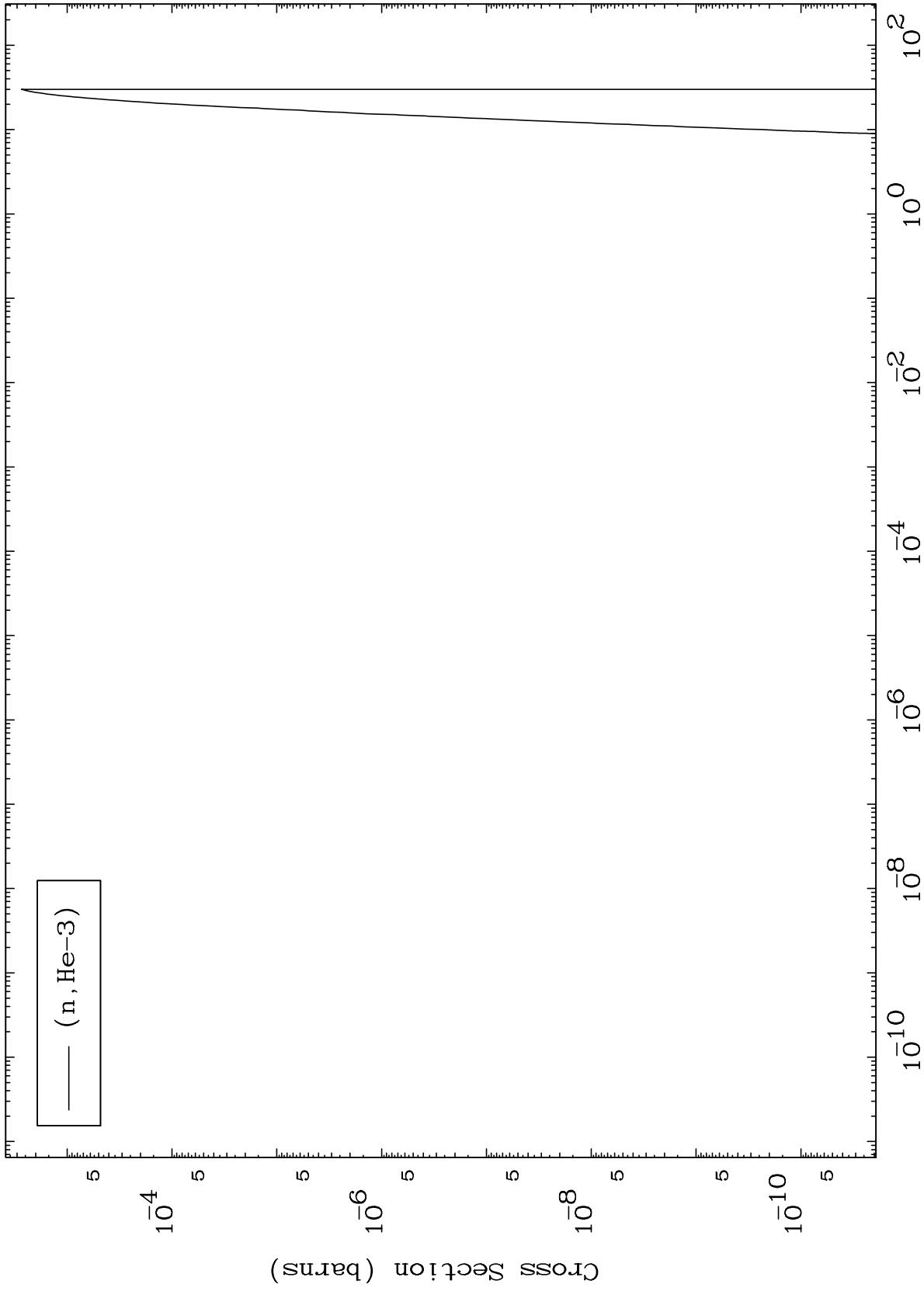
Incident Energy (MeV)

87-Fr-210

MAT 8719

(n,He3) Levels  
293 Kelvin Cross Sections

87-Fr-210



13

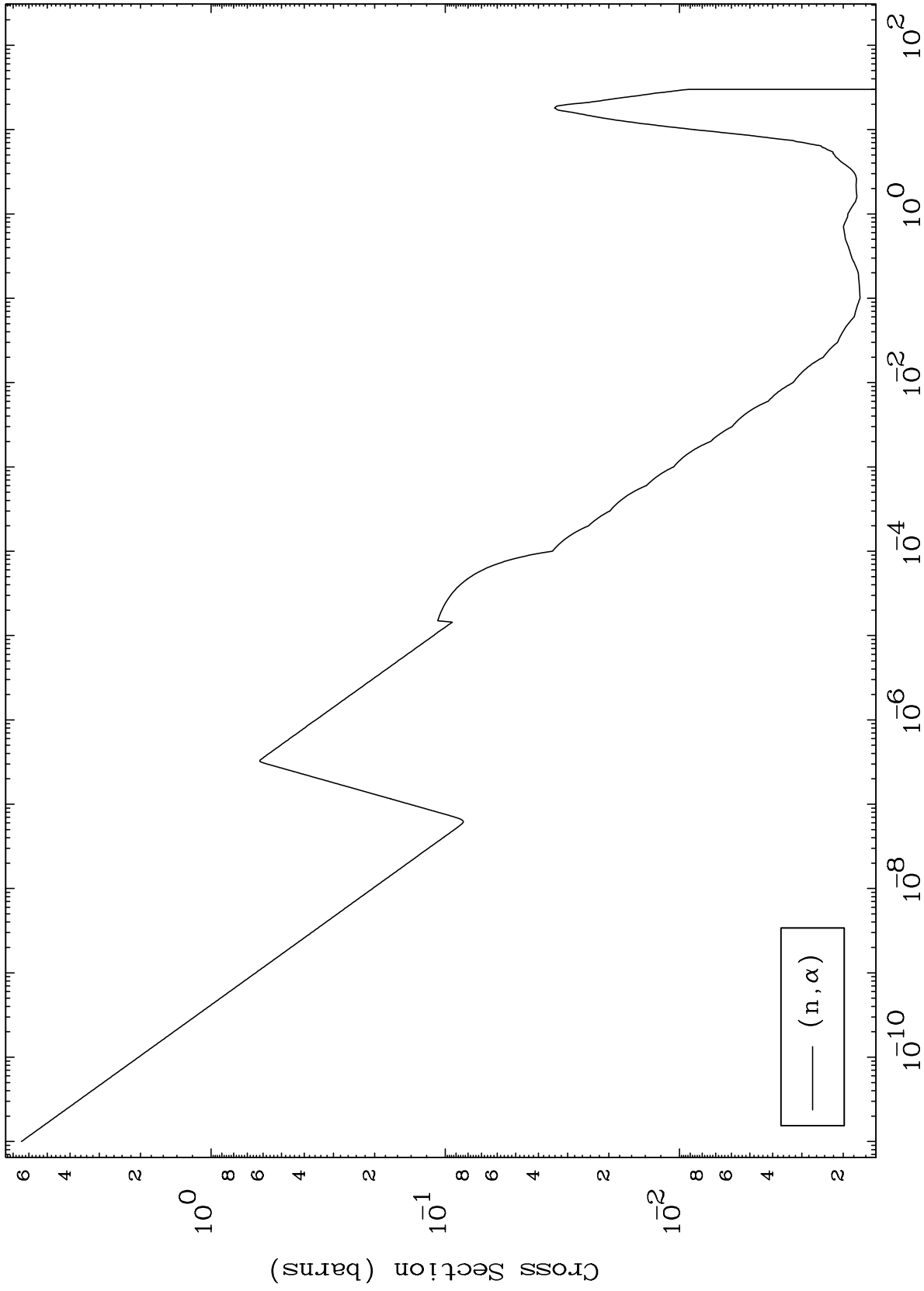
Incident Energy (MeV)

87-Fr-210

MAT 8719

(n,α) Levels  
293 Kelvin Cross Sections

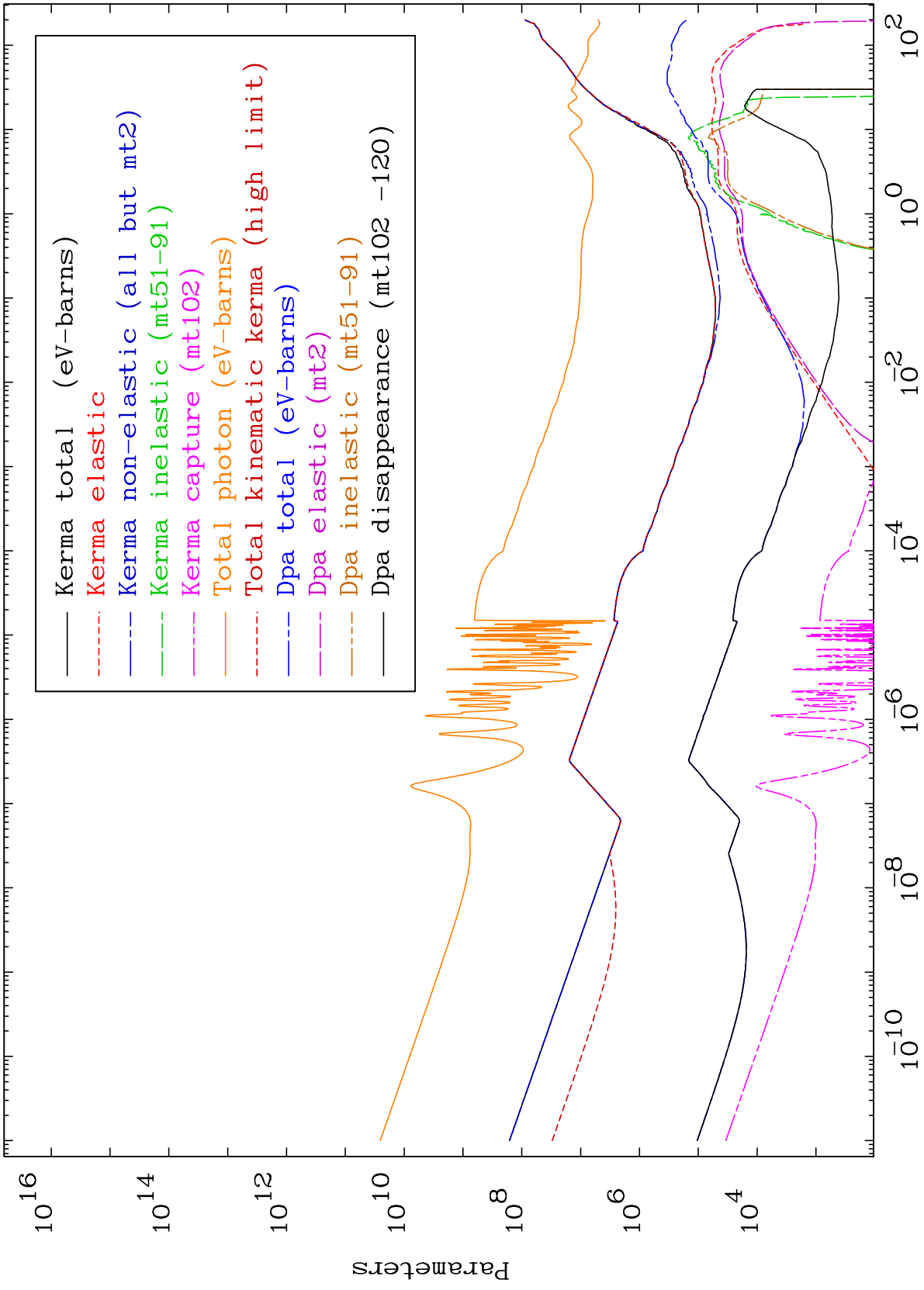
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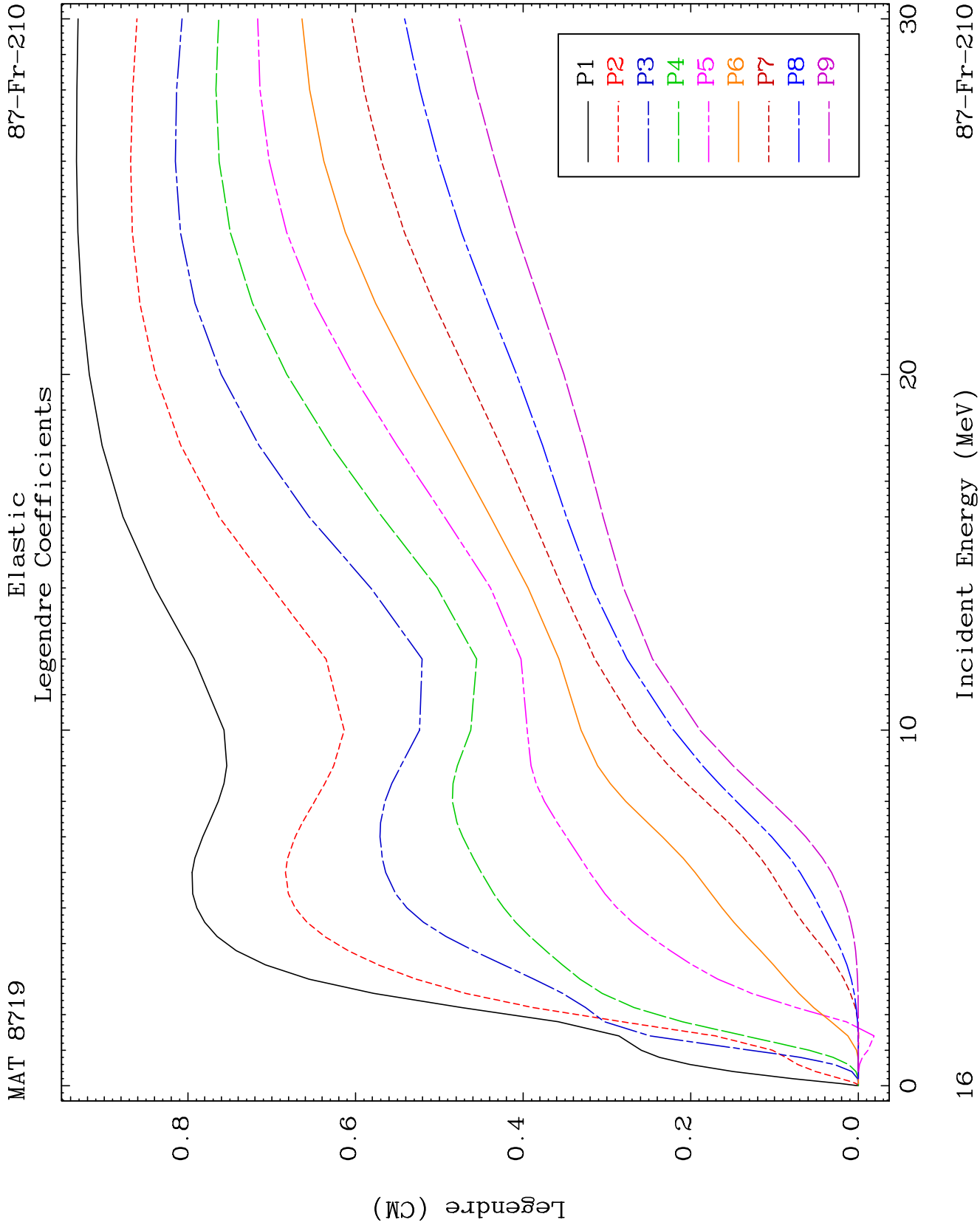
14

Incident Energy (MeV)

87-Fr-210



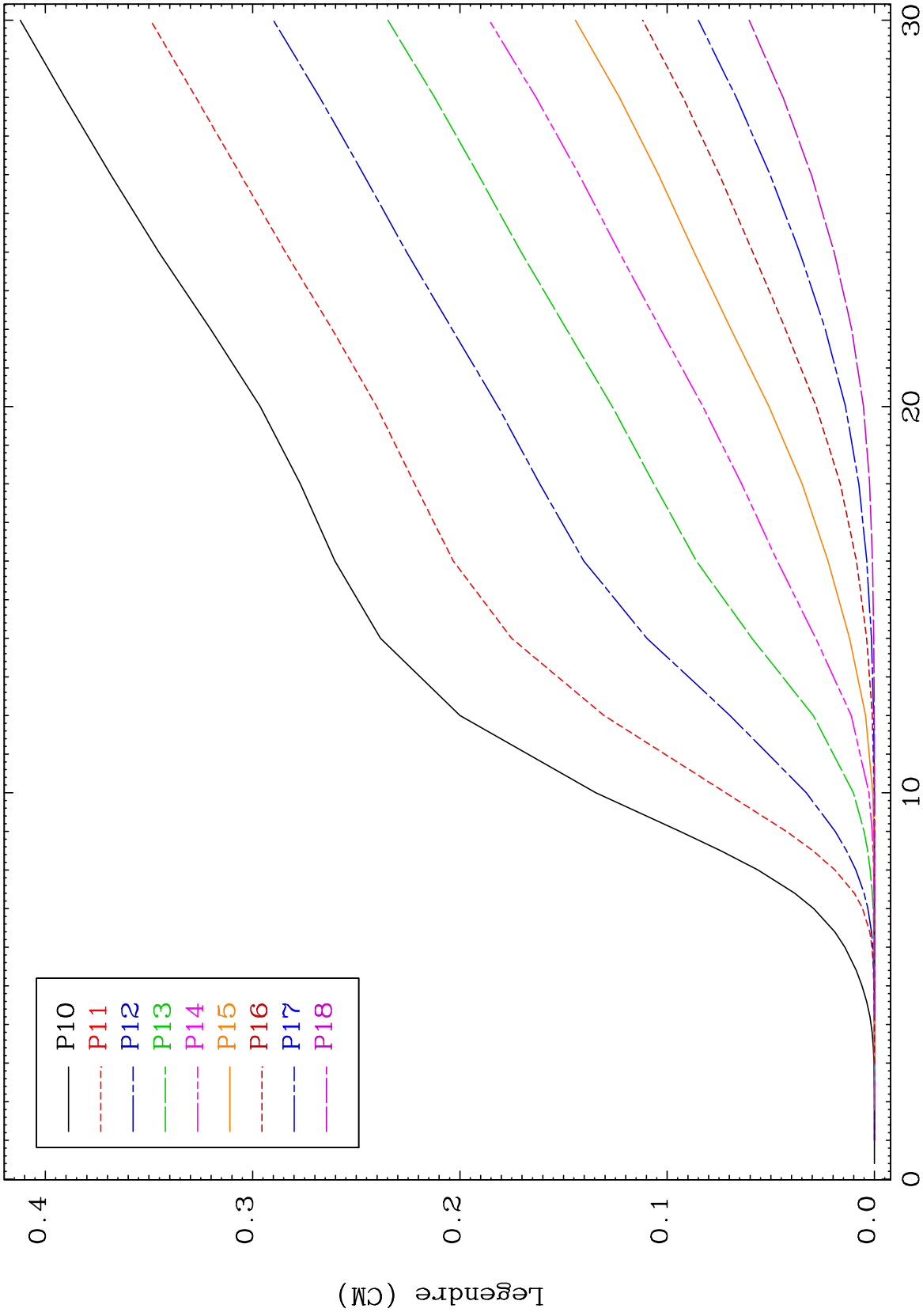




MAT 8719

Elastic Legendre Coefficients

87-Fr-210



17

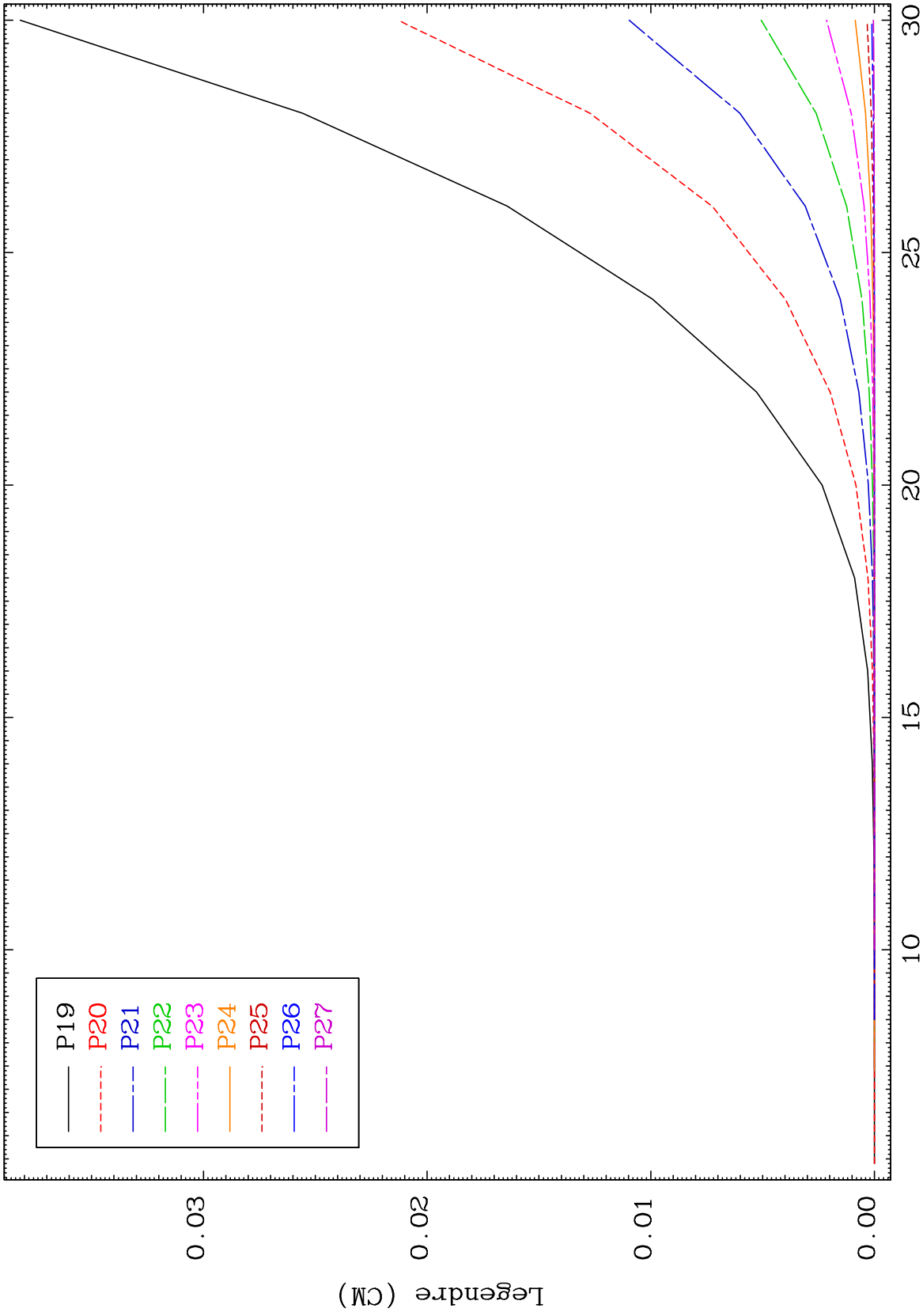
Incident Energy (MeV)

87-Fr-210

MAT 8719

Elastic Legendre Coefficients

87-Fr-210



18

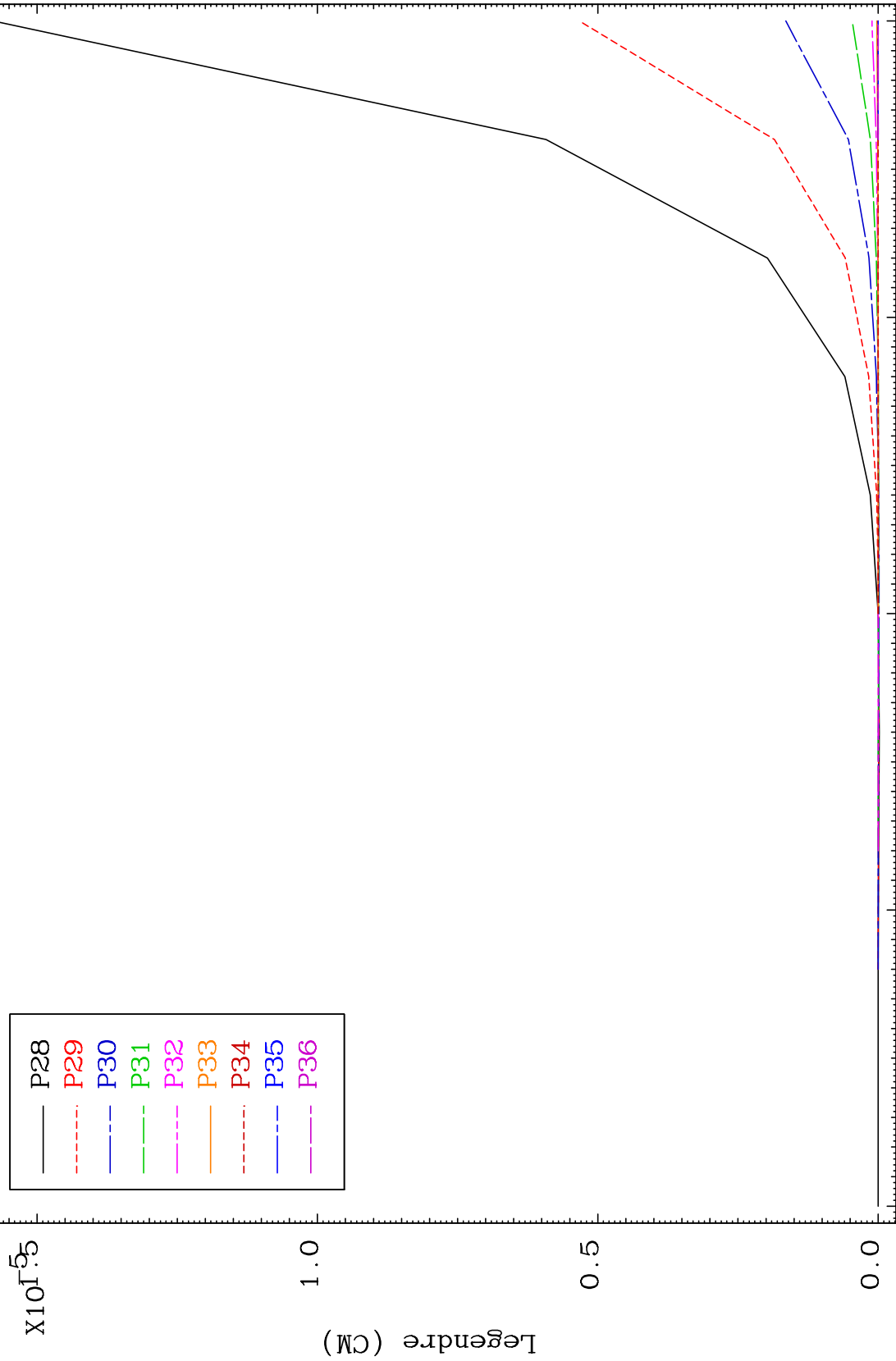
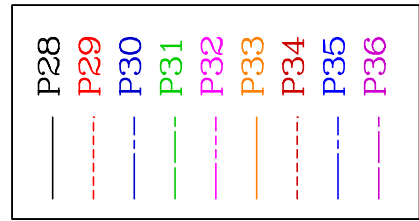
Incident Energy (MeV)

87-Fr-210

MAT 8719

Elastic Legendre Coefficients

87-Fr-210



19

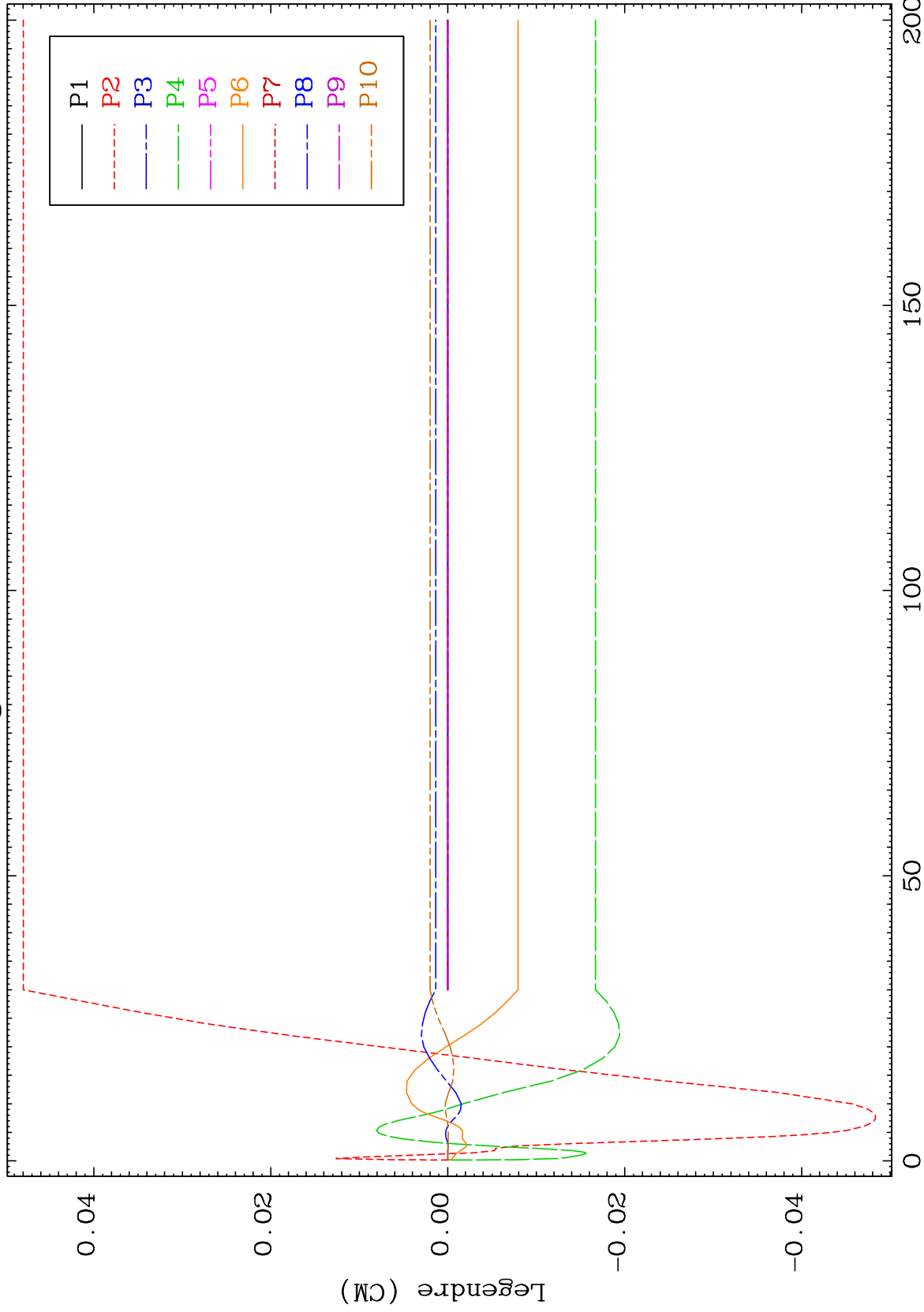
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



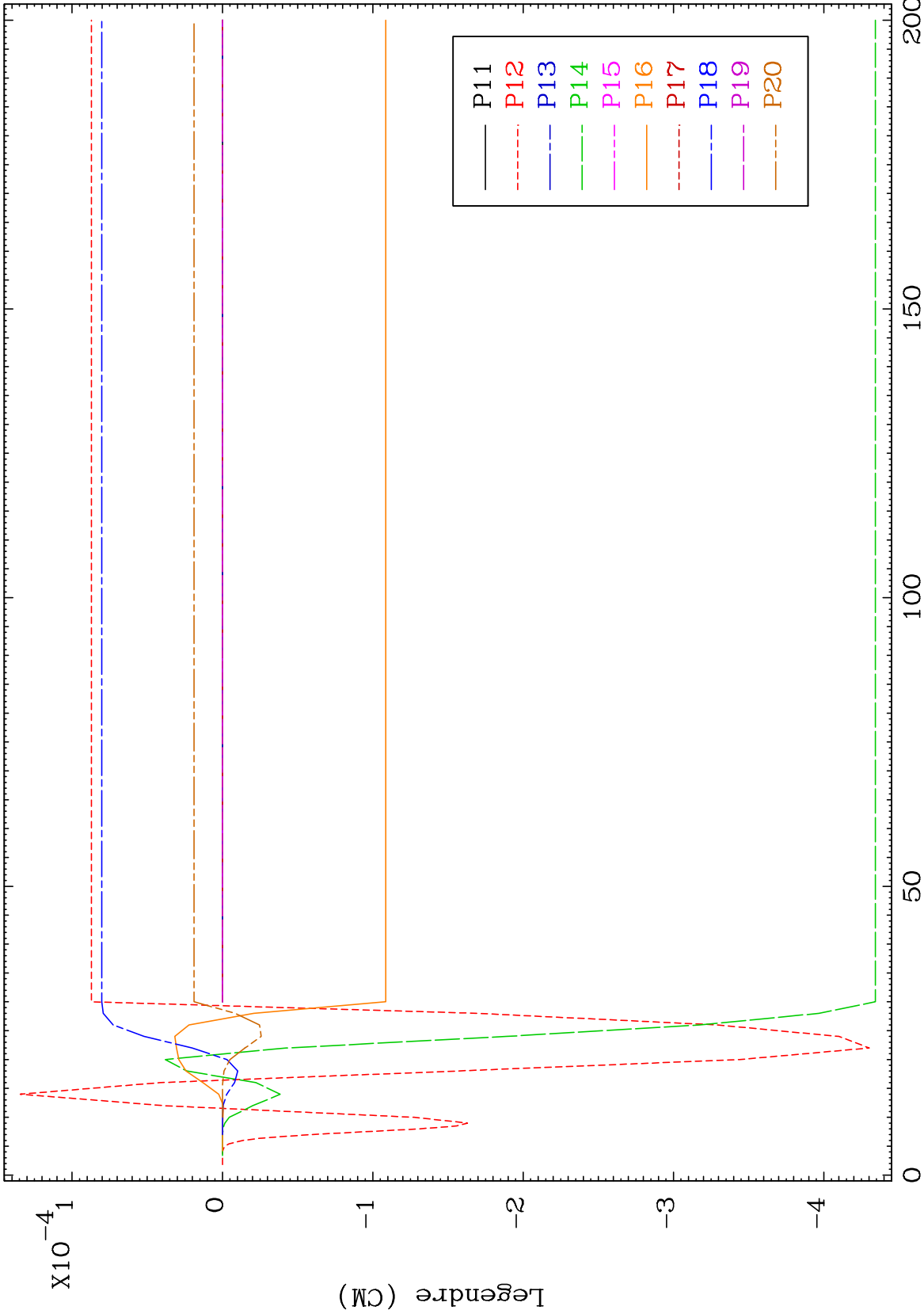
87-Fr-210

Incident Energy (MeV)

MAT 8719

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

87-Fr-210



21

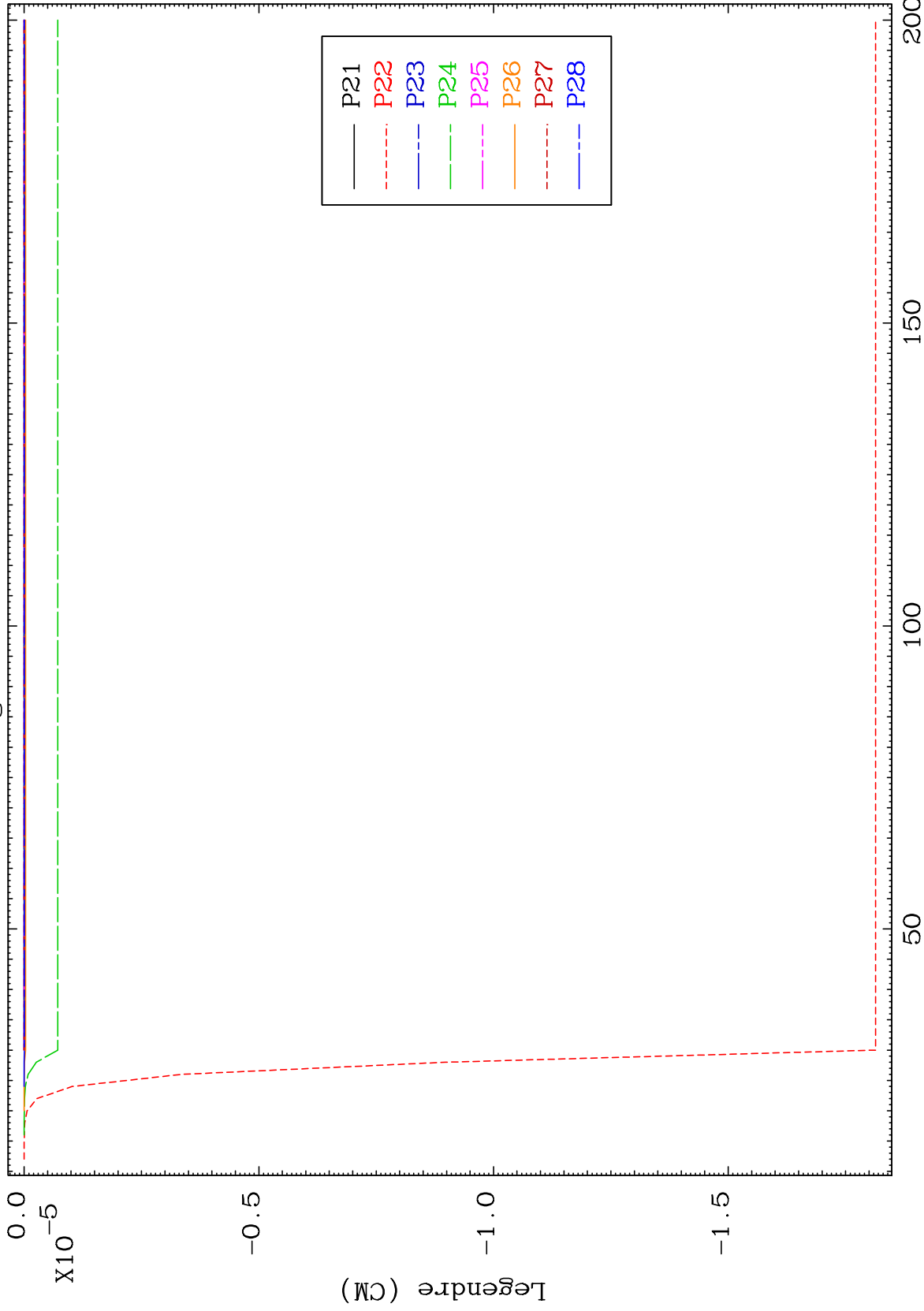
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



22

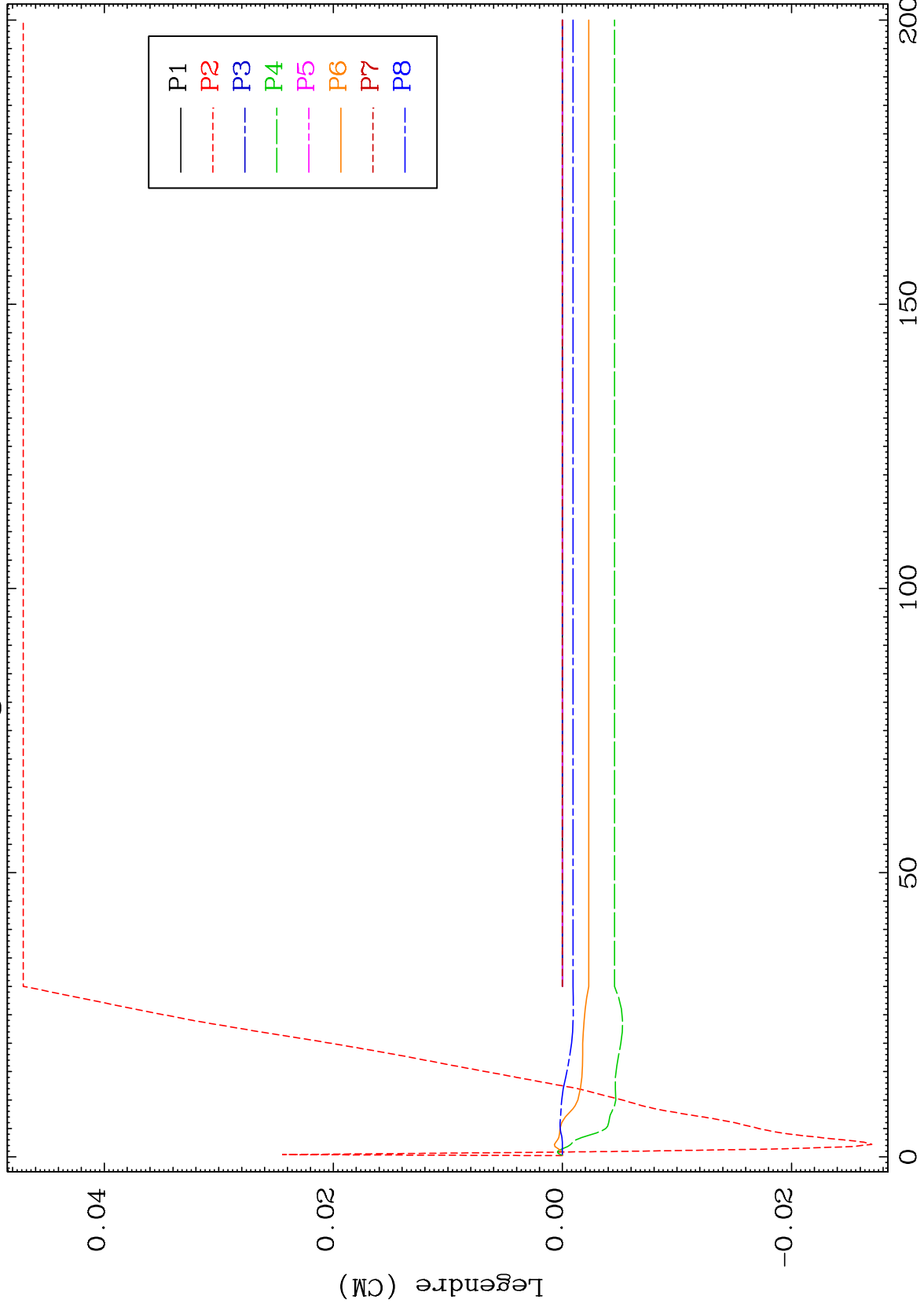
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



23

Incident Energy (MeV)

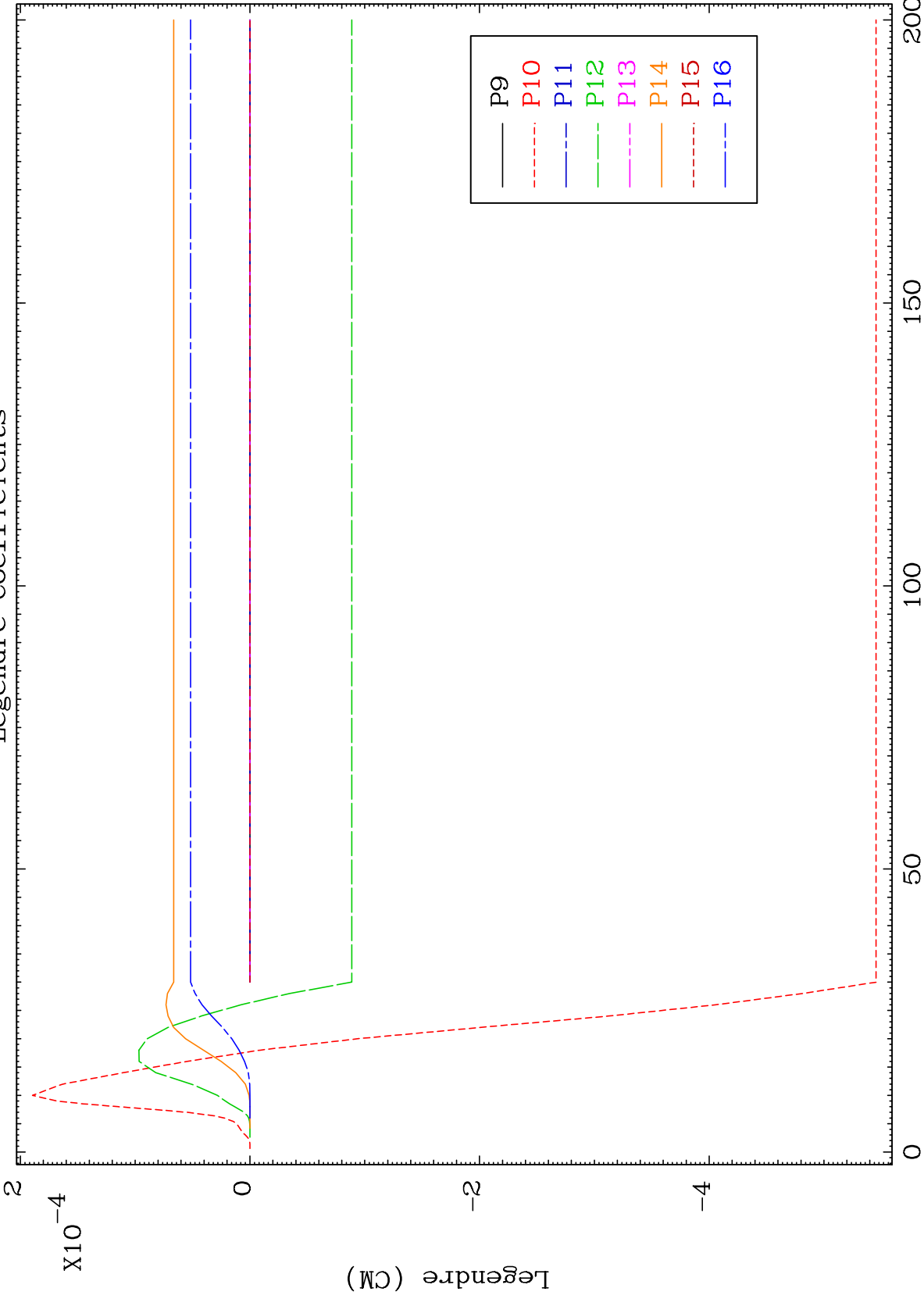
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MAT 8719

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

87-Fr-210

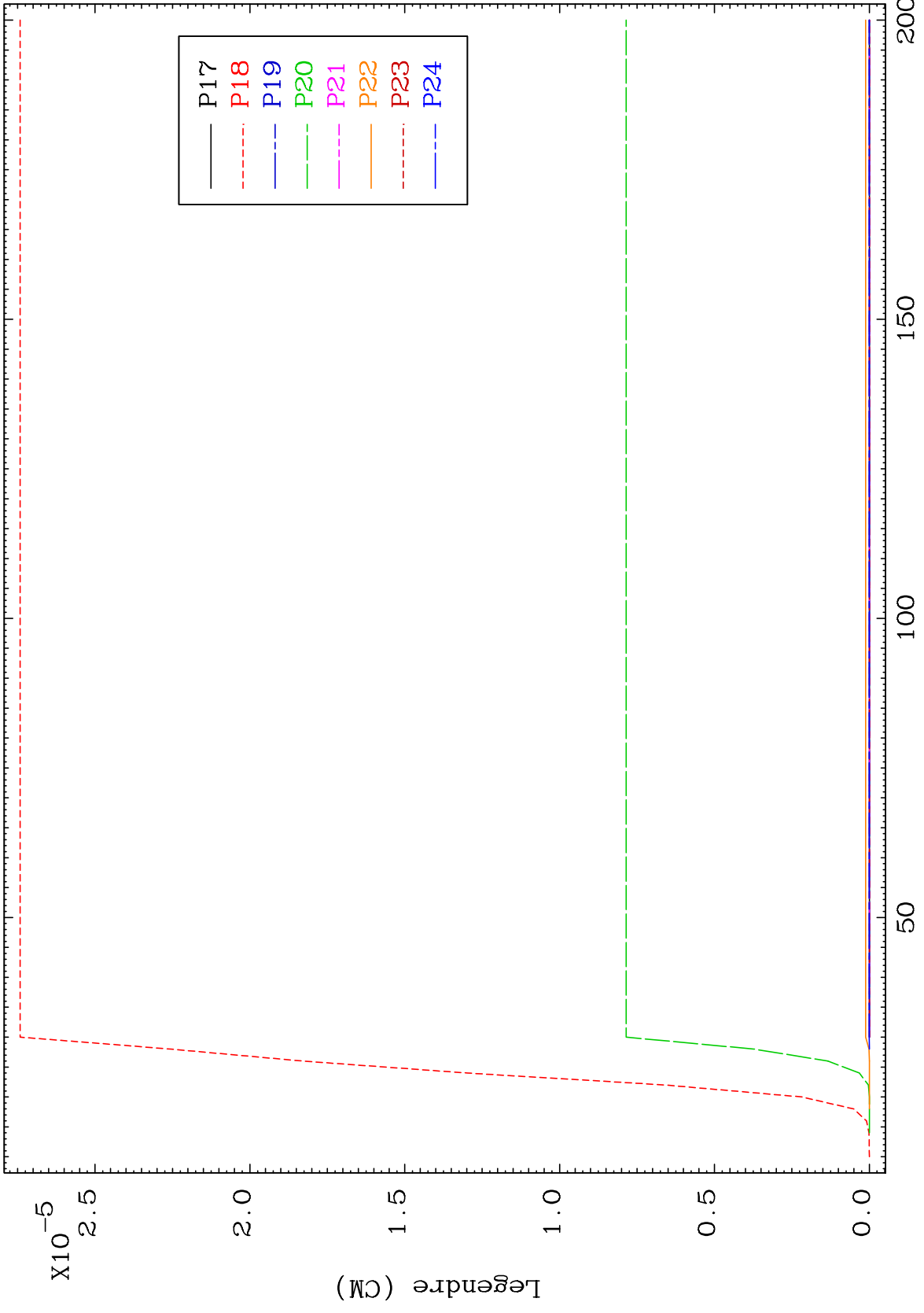


24

Incident Energy (MeV)

87-Fr-210

MAT 8719 MT= 52 (n,n') Level Legendre Coefficients 87-Fr-210

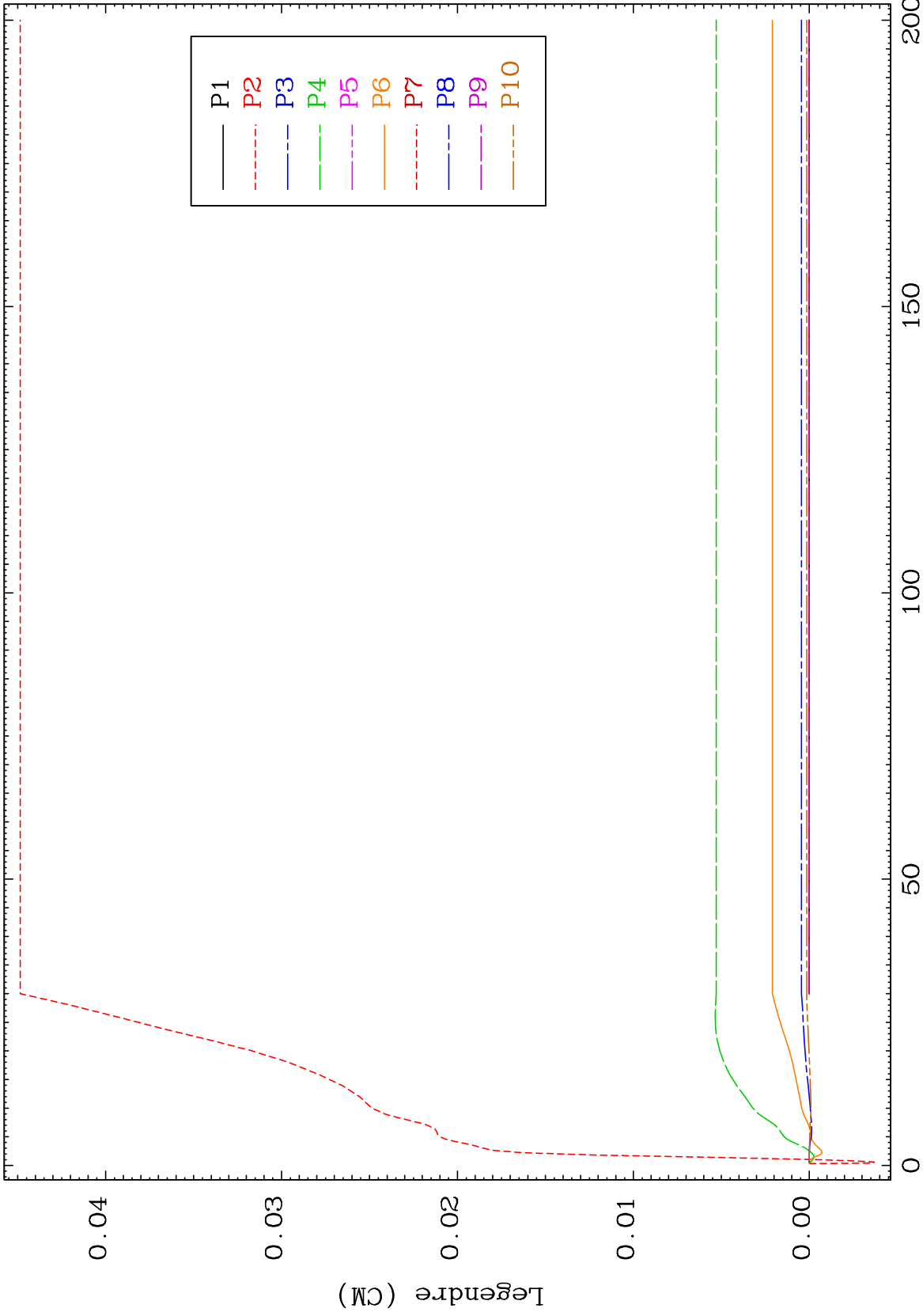


87-Fr-210

MAT 8719

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

87-Fr-210



26

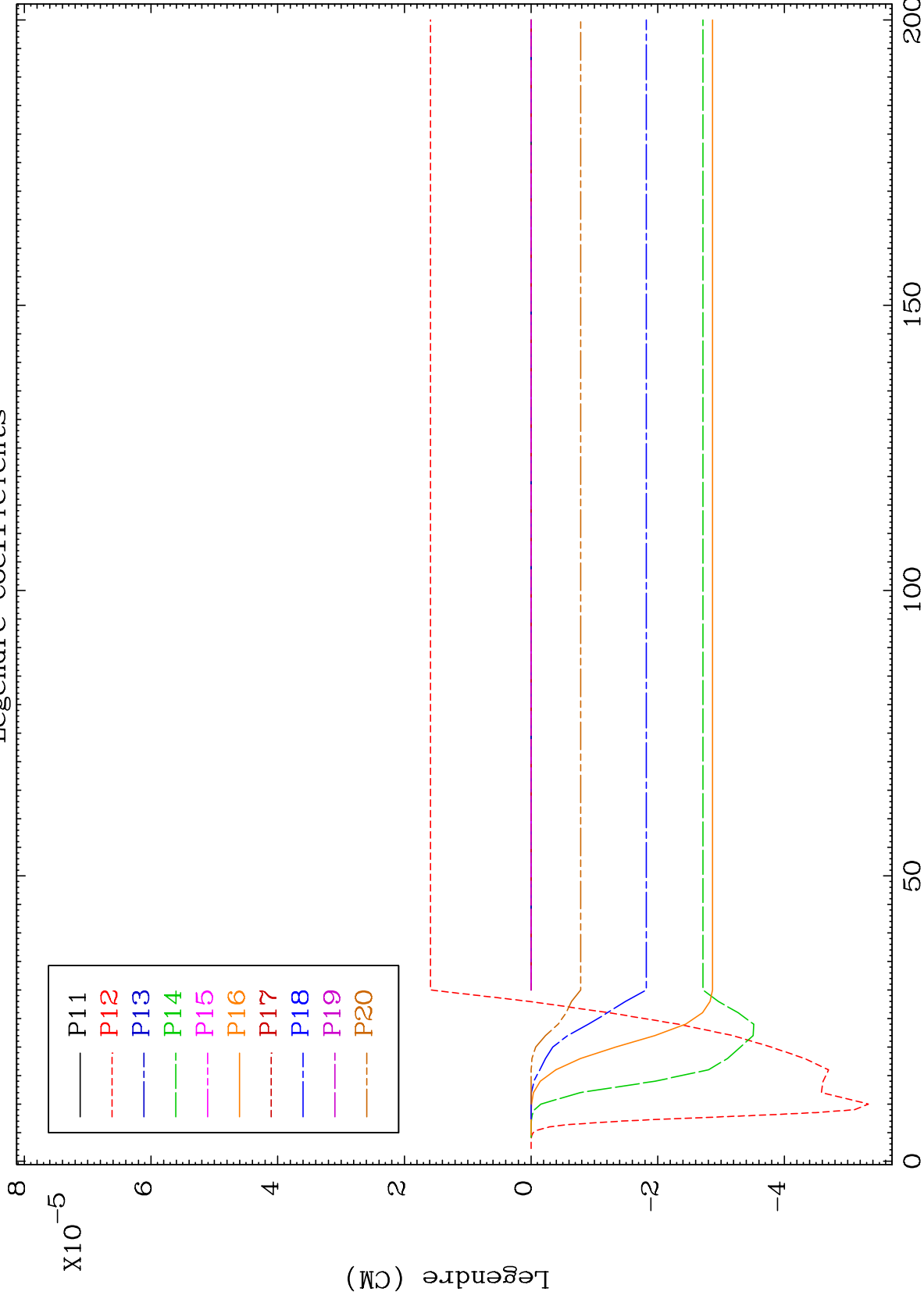
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



27

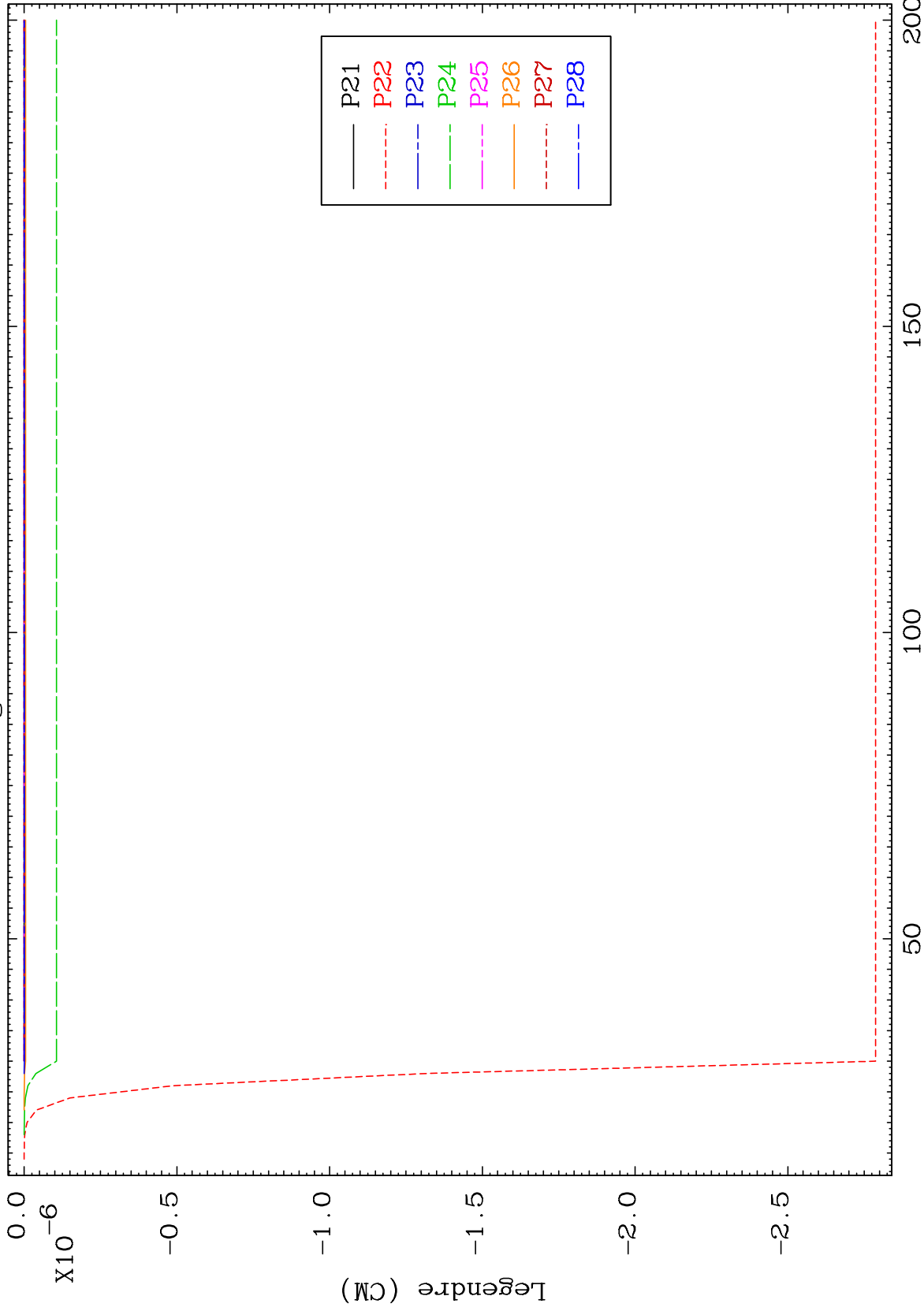
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



28

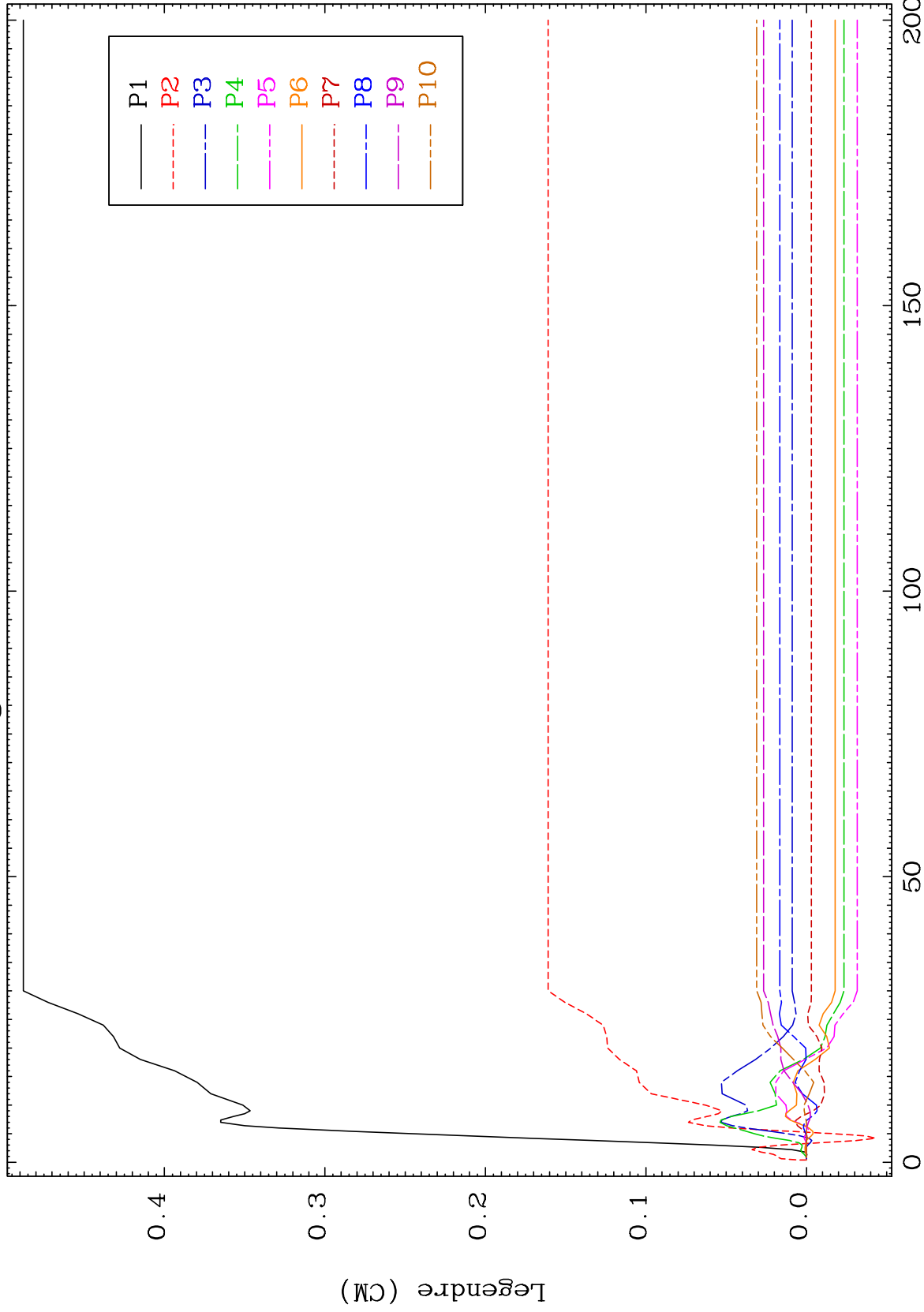
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



29

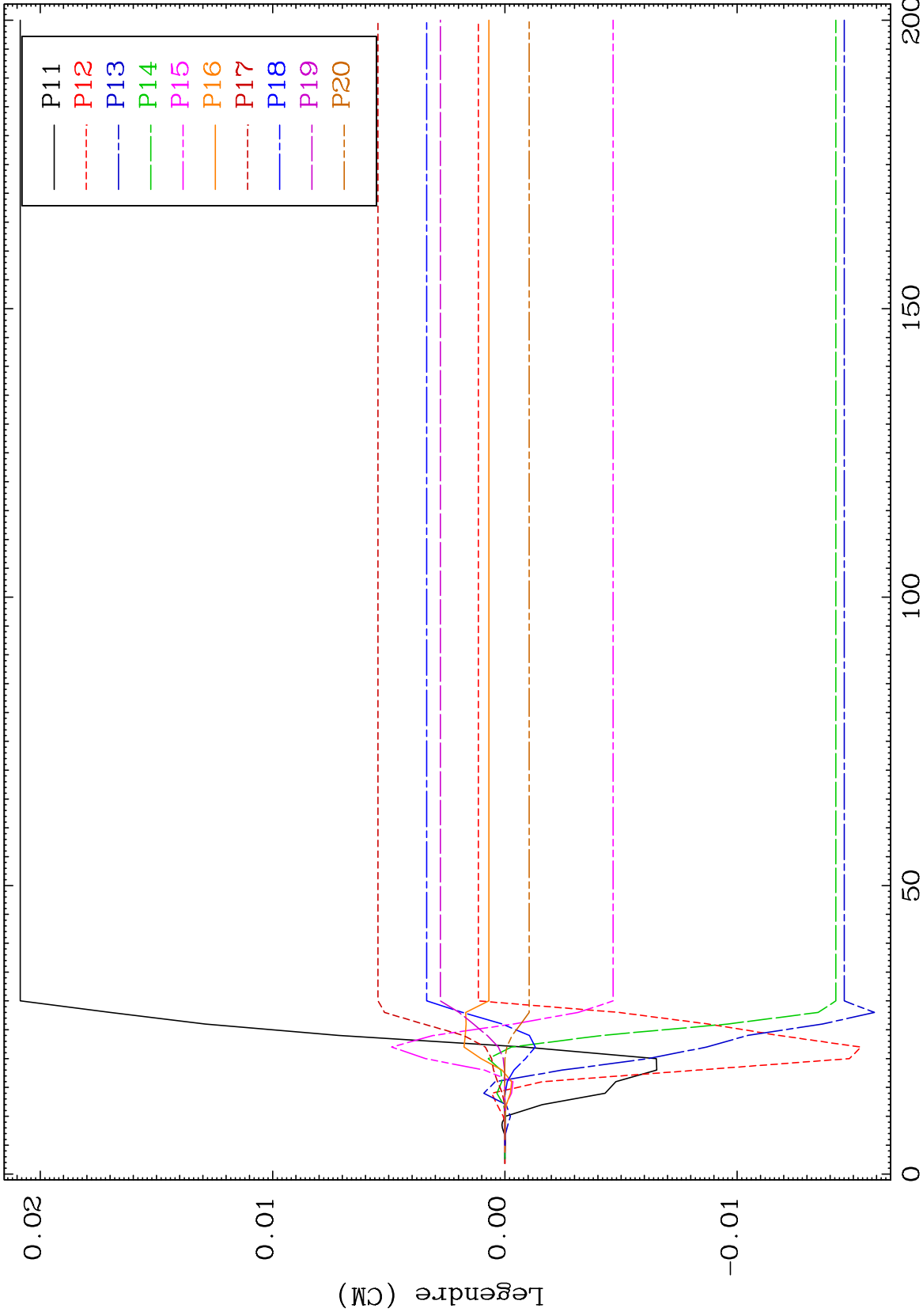
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



30

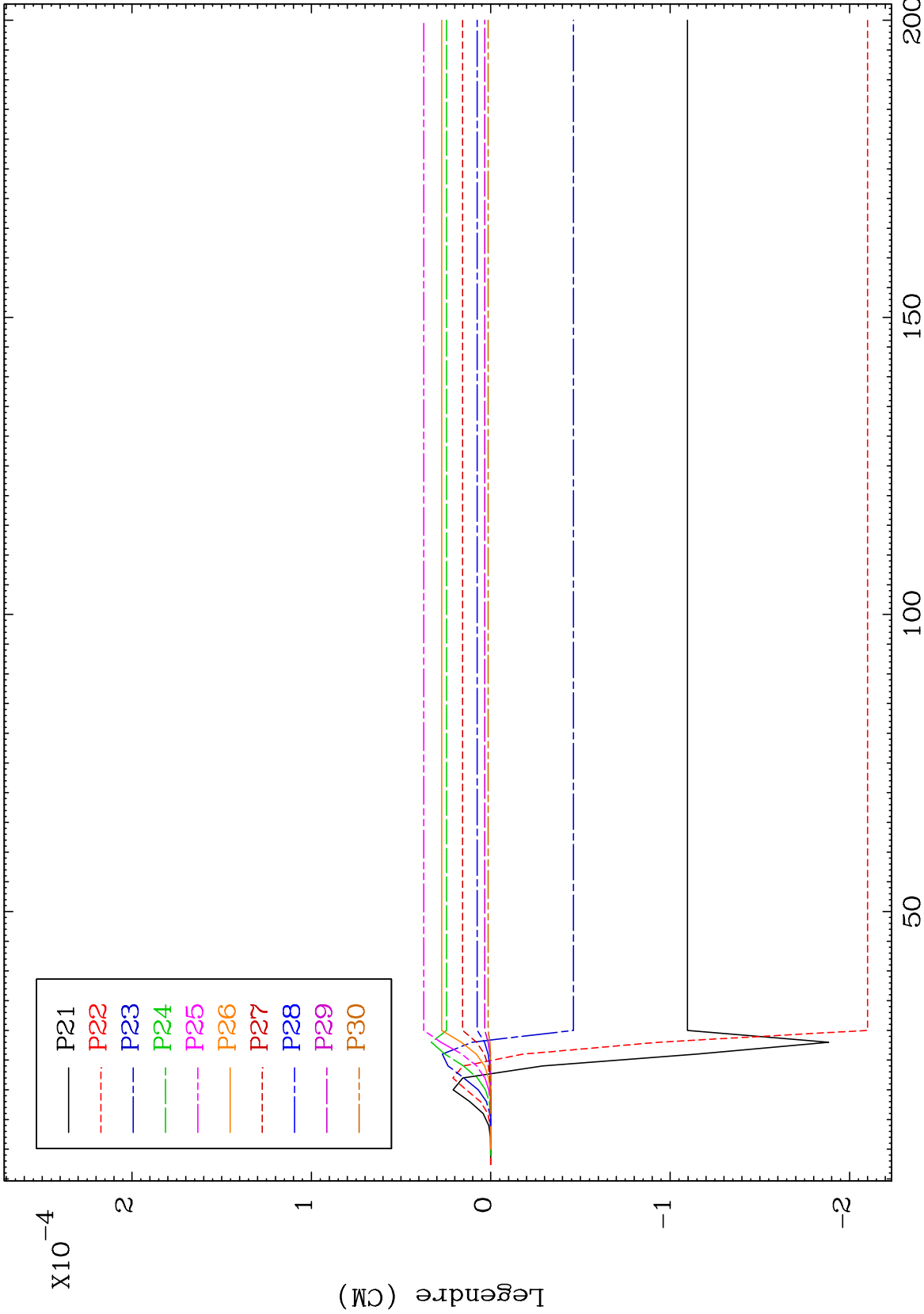
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



31

Incident Energy (MeV)

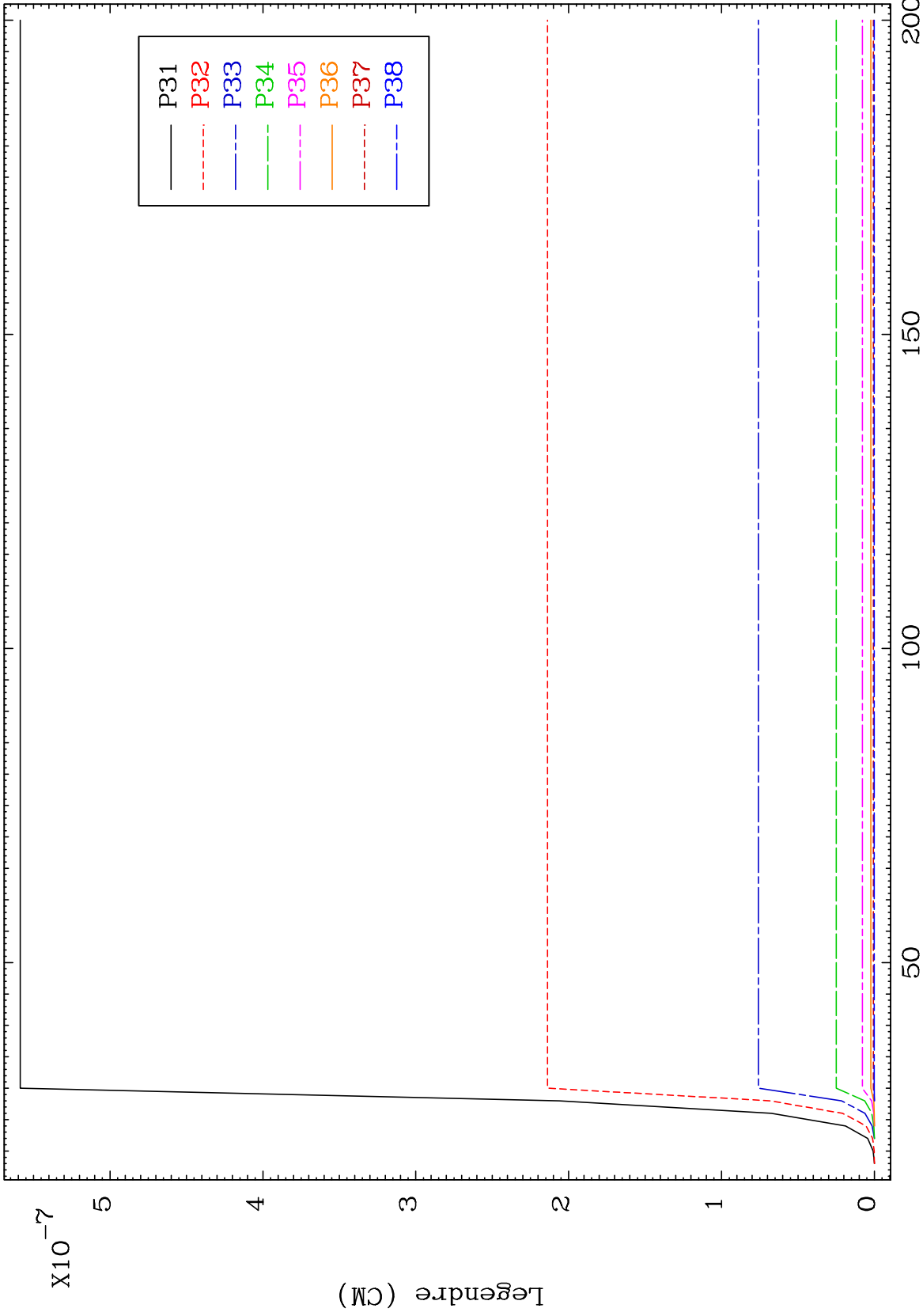
87-Fr-210



MAT 8719

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

87-Fr-210



32

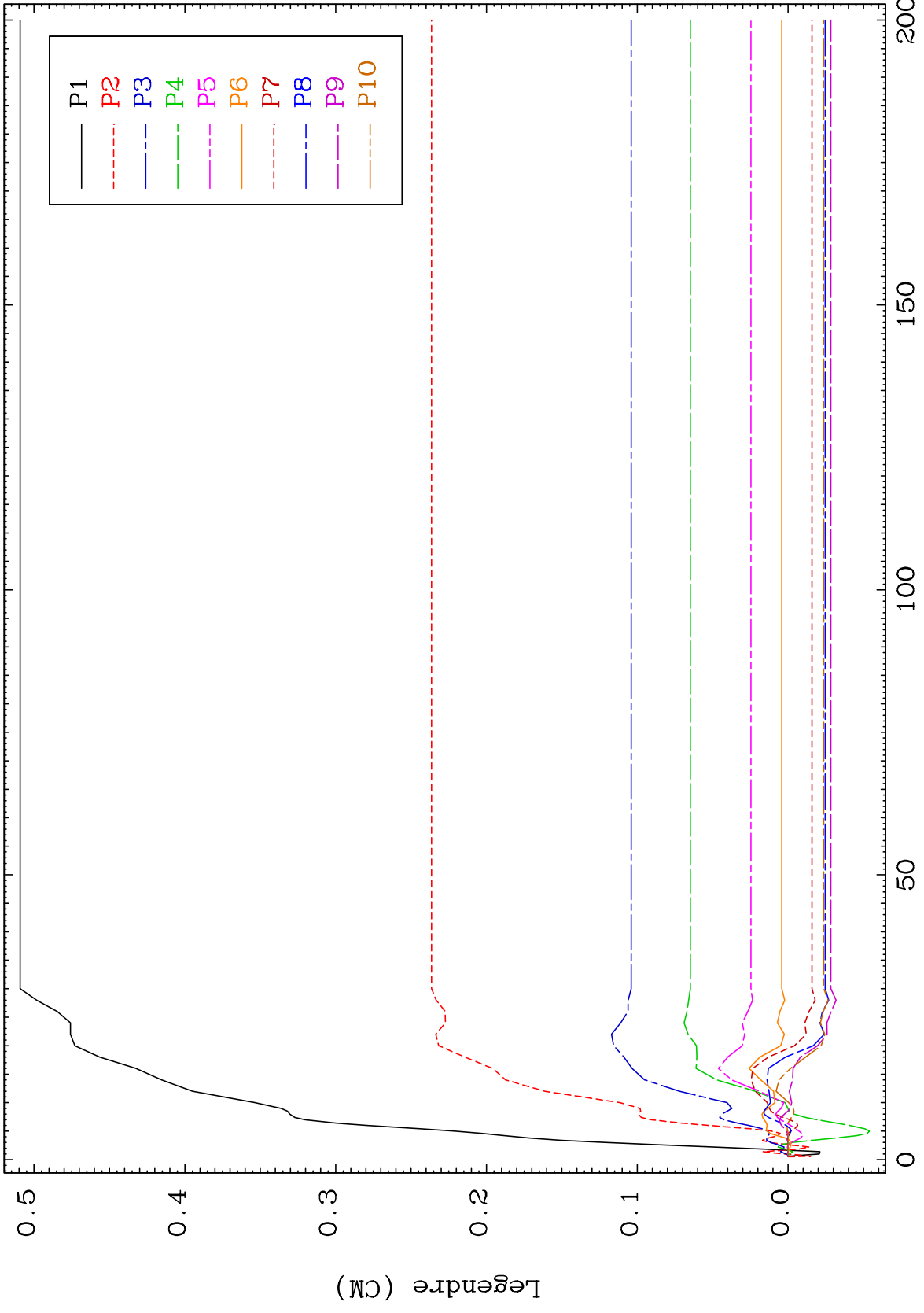
87-Fr-210

87-Fr-210

MAT 8719

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

87-Fr-210



33

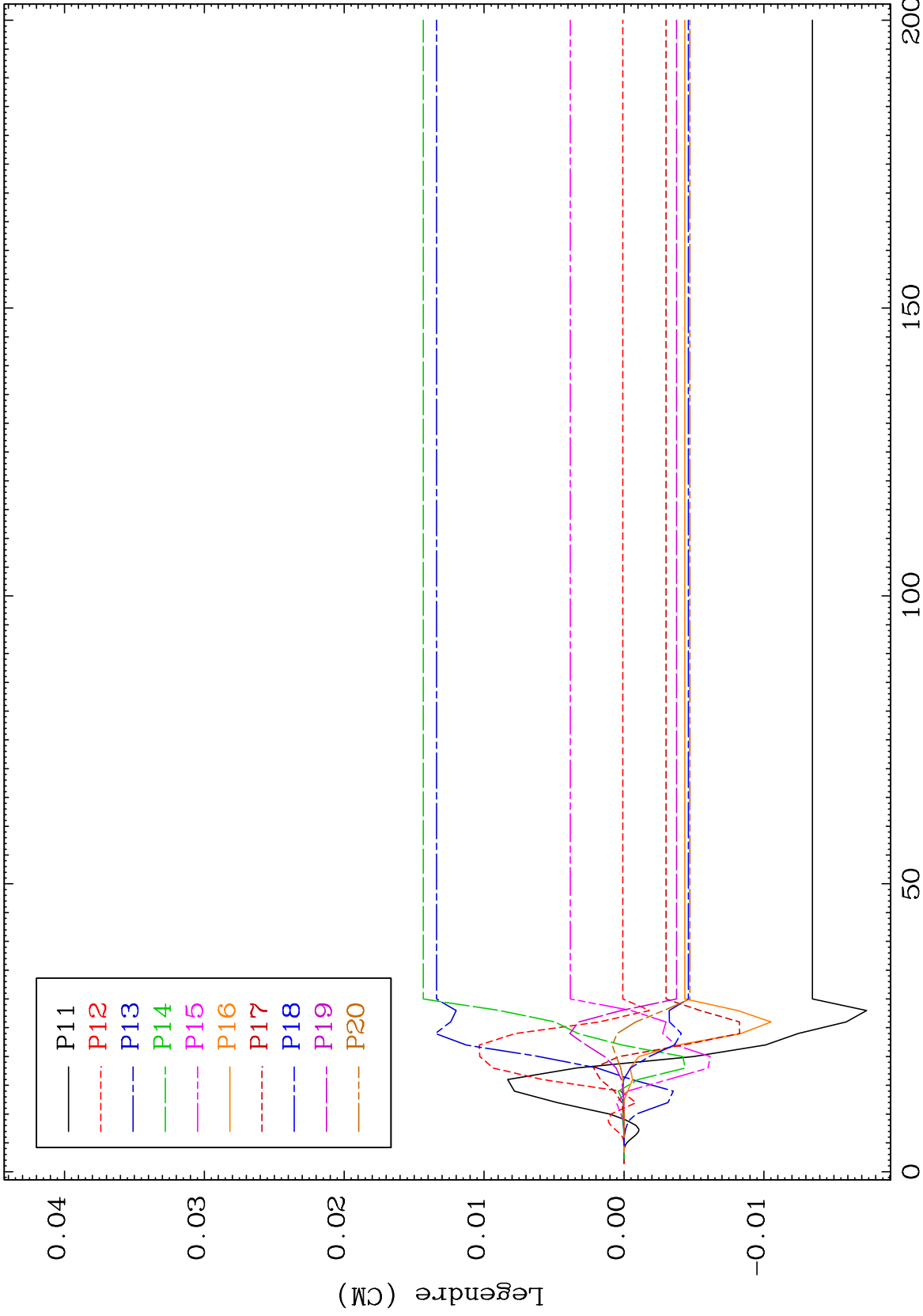
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



34

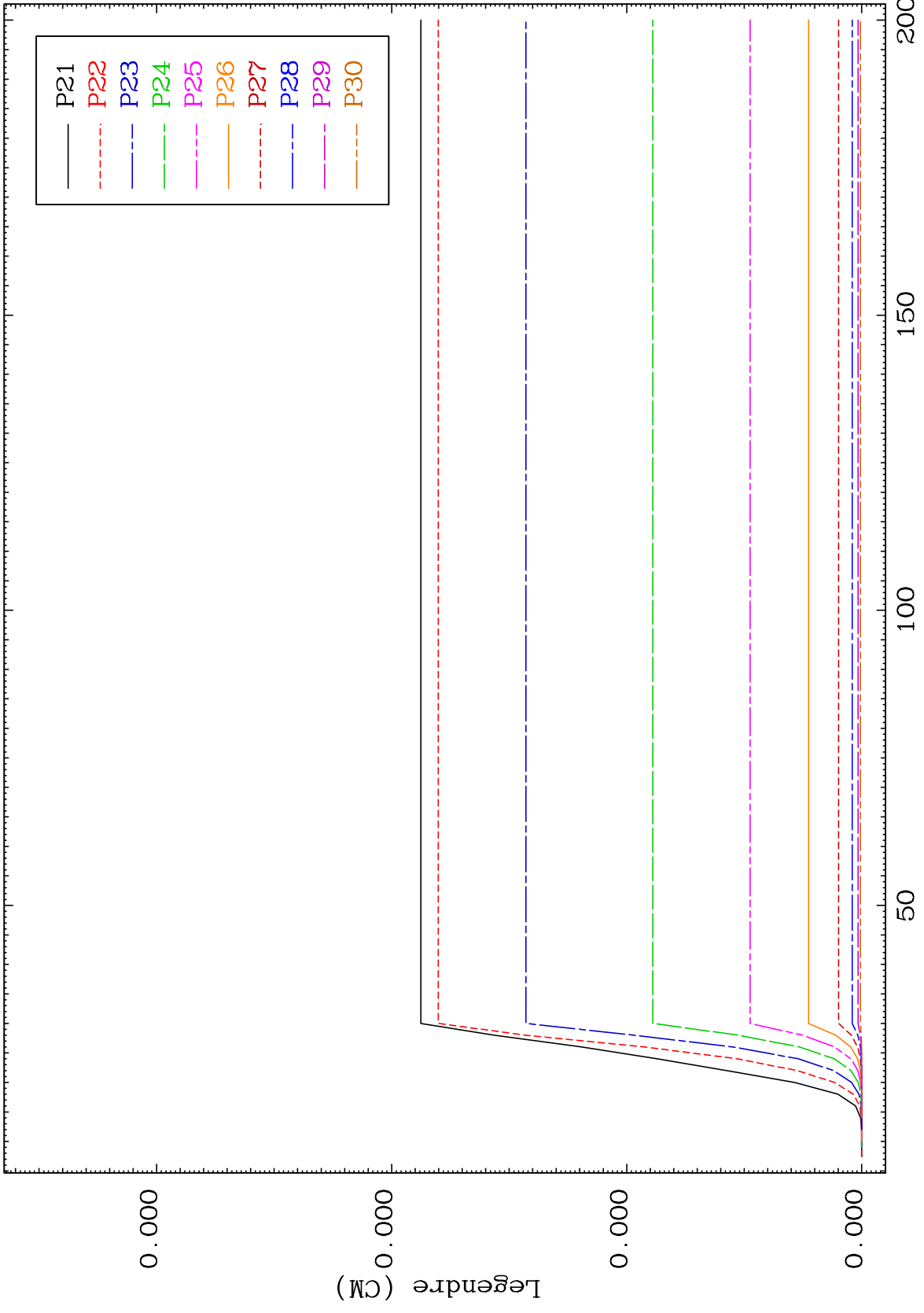
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



35

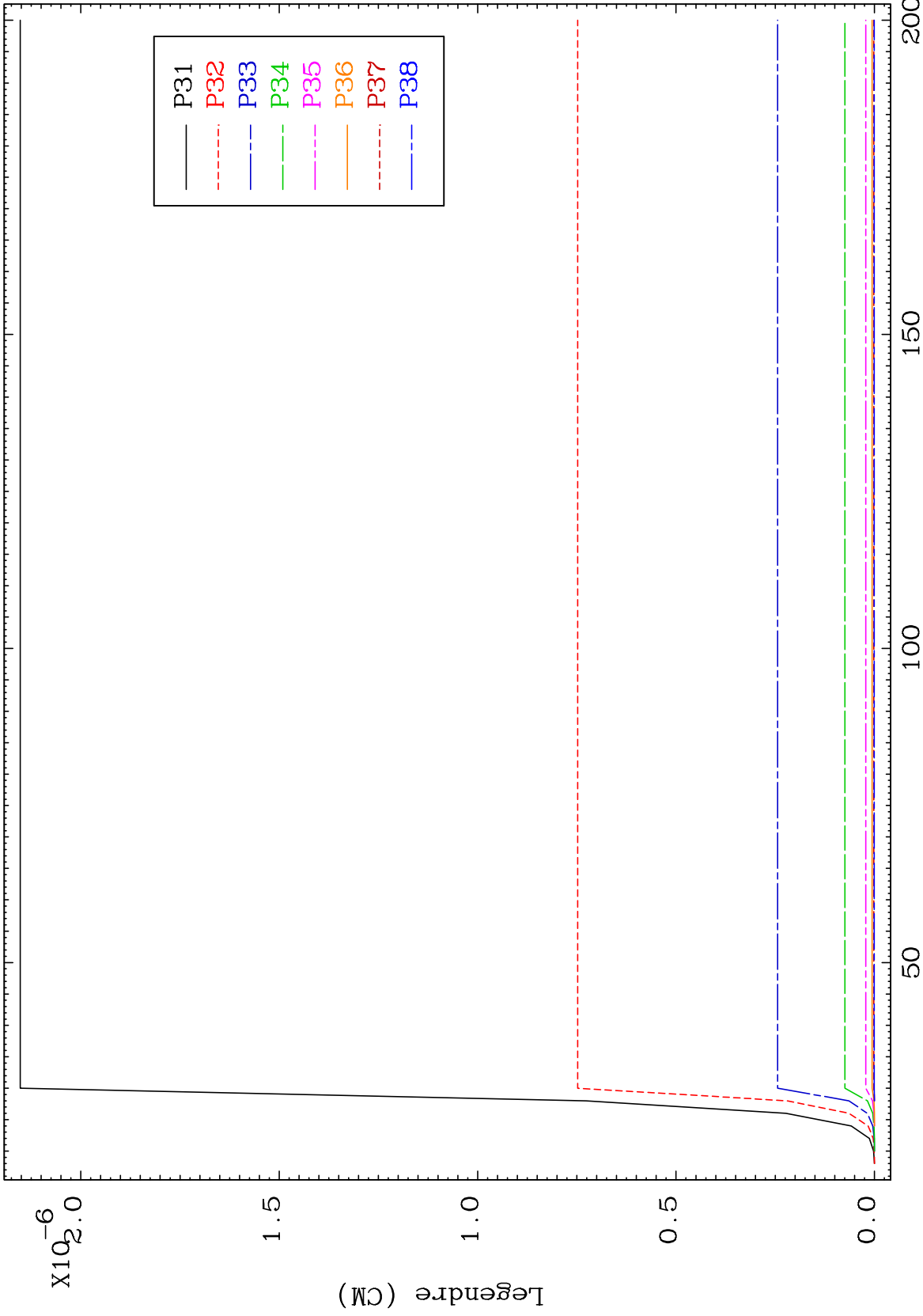
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



36

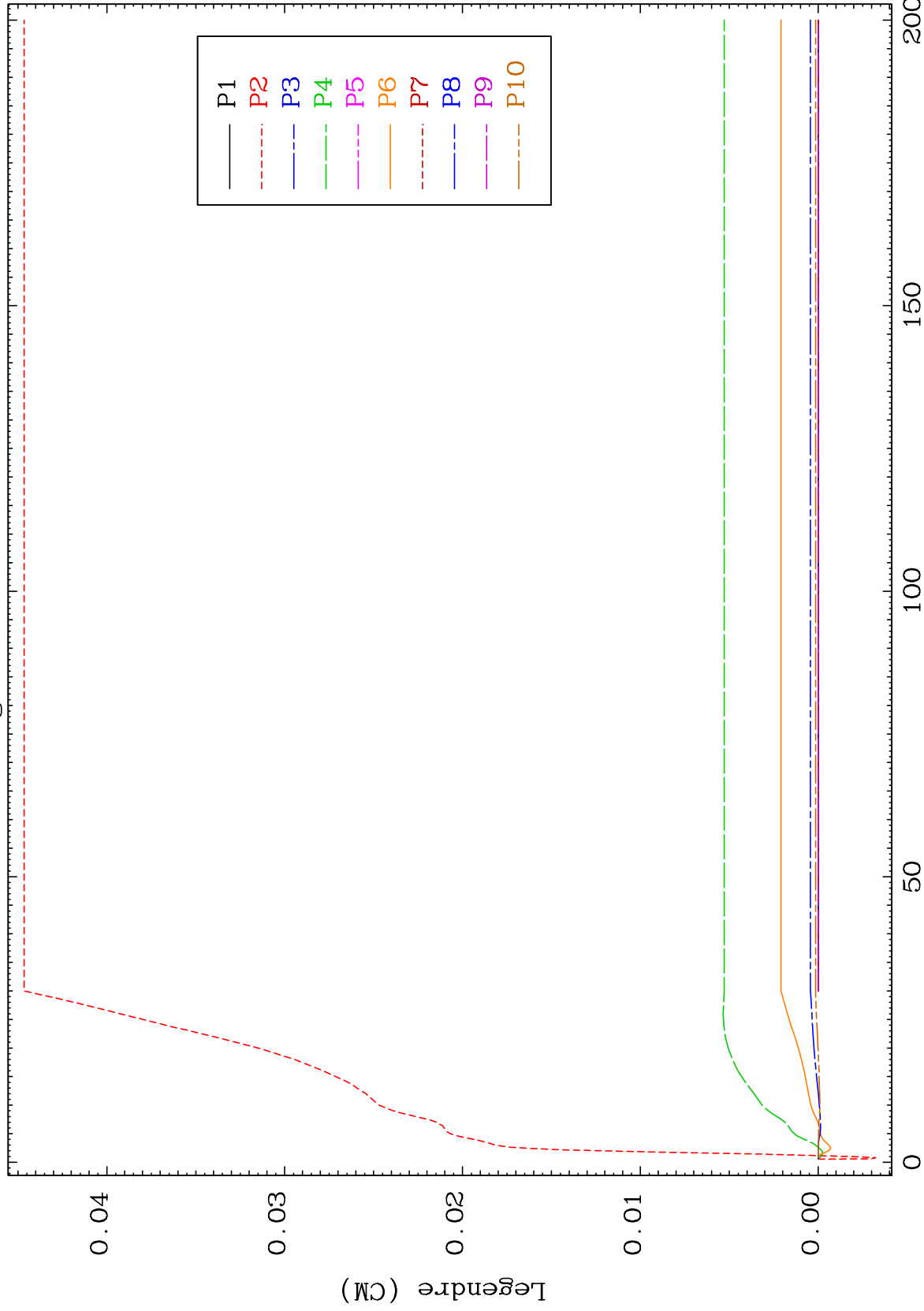
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



37

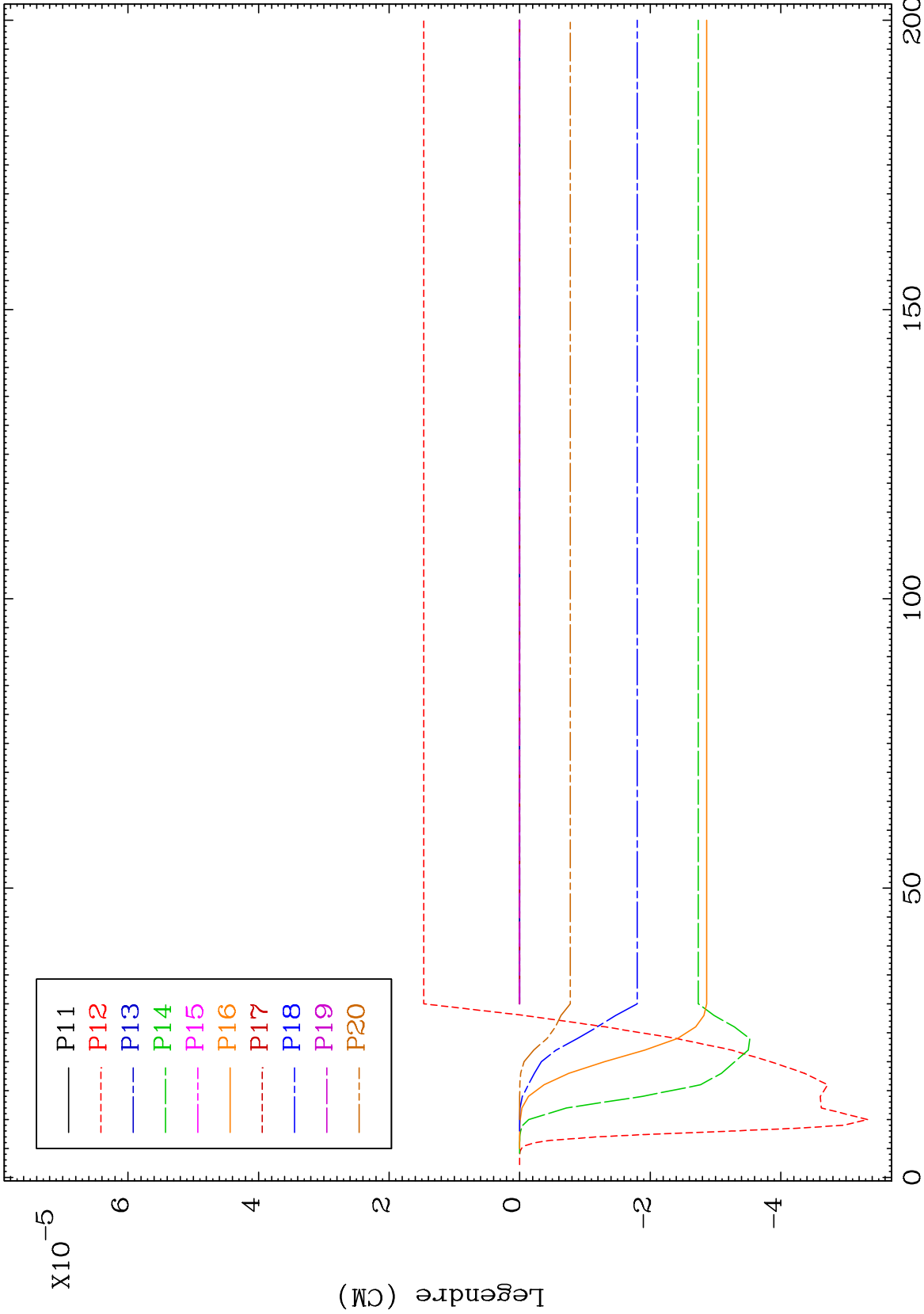
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



38

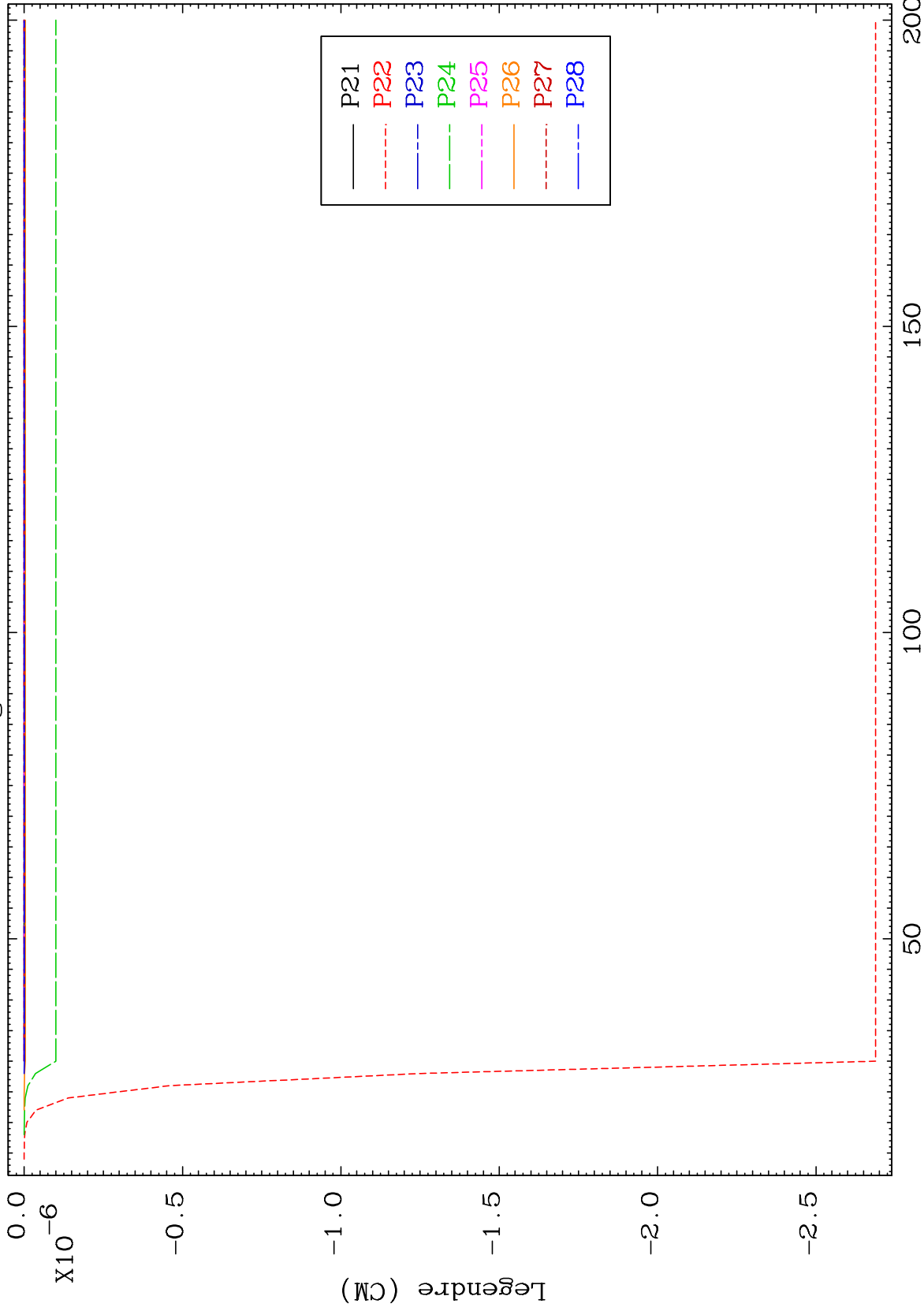
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



39

Incident Energy (MeV)

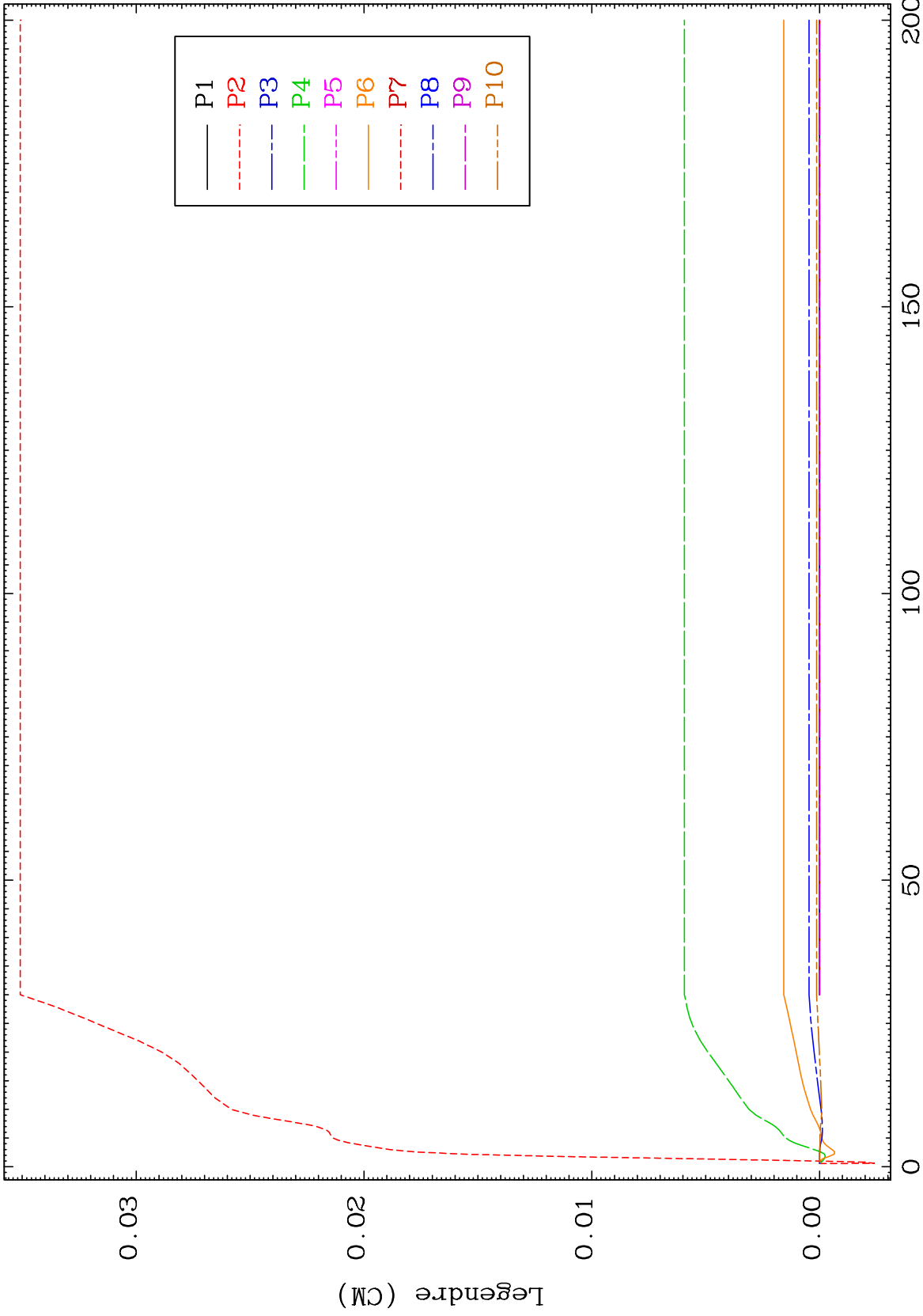
87-Fr-210



MAT 8719

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

87-Fr-210



40

50

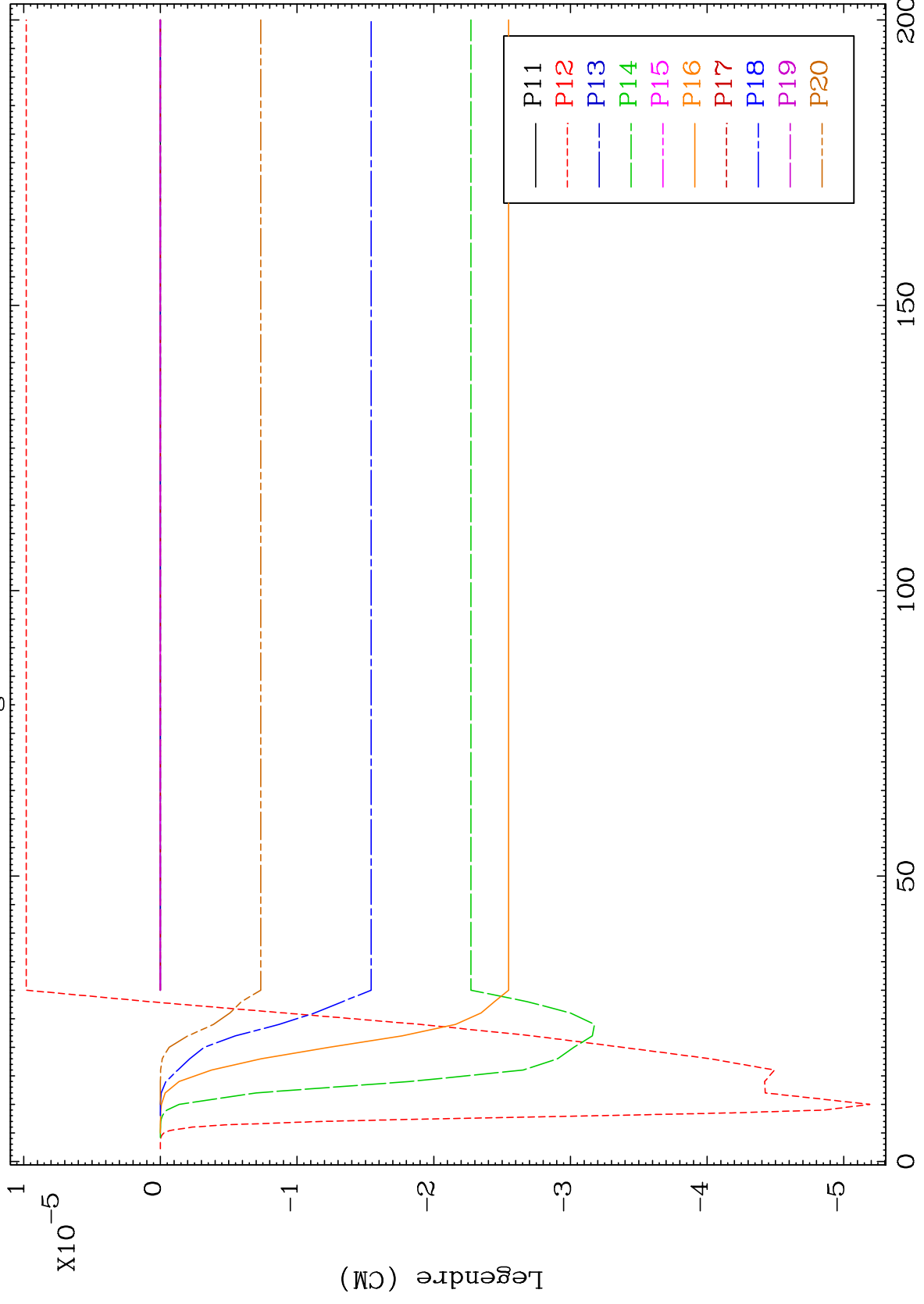
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150

200

87-Fr-210

MAT 8719 MT= 57 (n,n') Level Legendre Coefficients 87-Fr-210

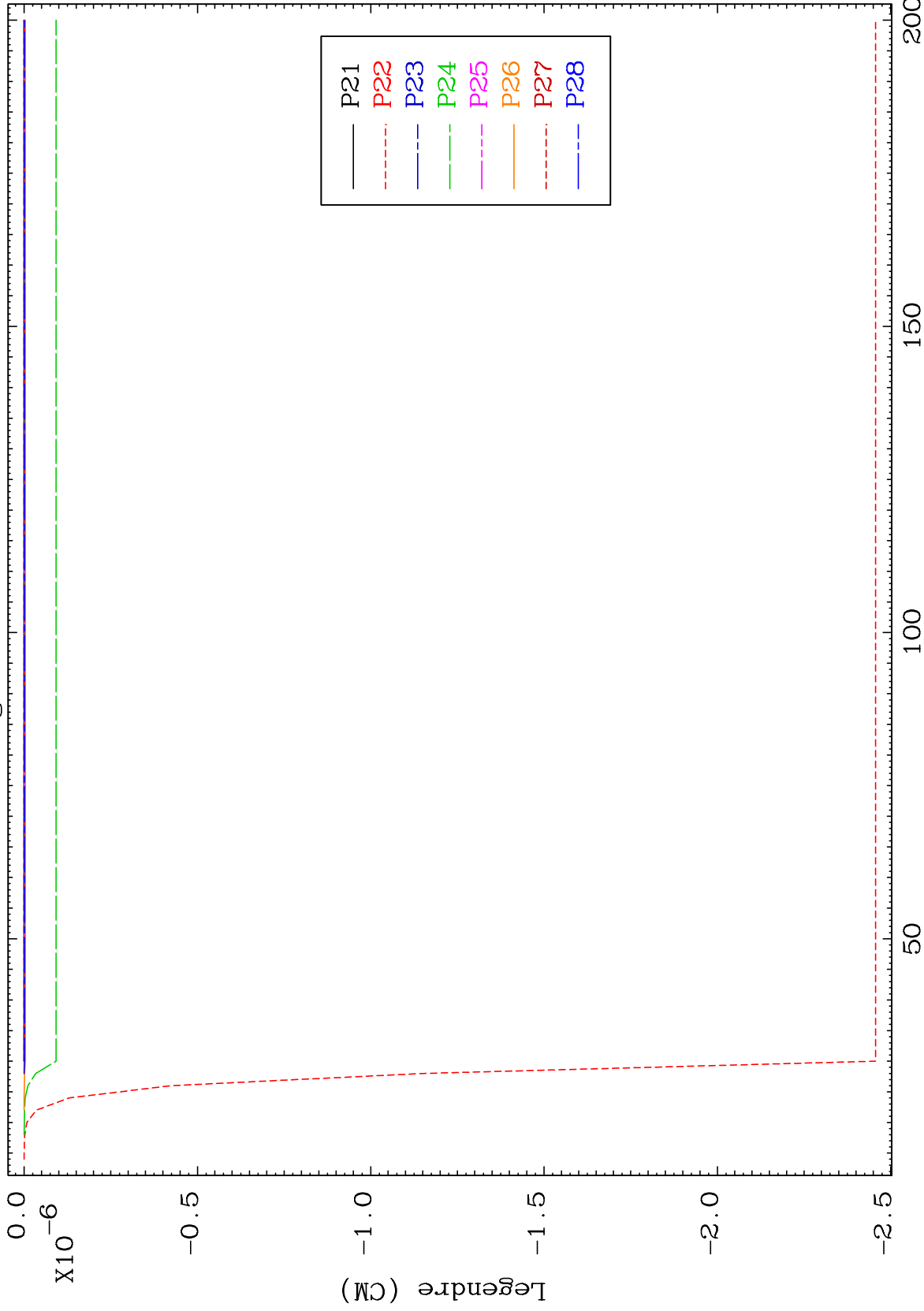


41 87-Fr-210

MAT 8719

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

87-Fr-210



42

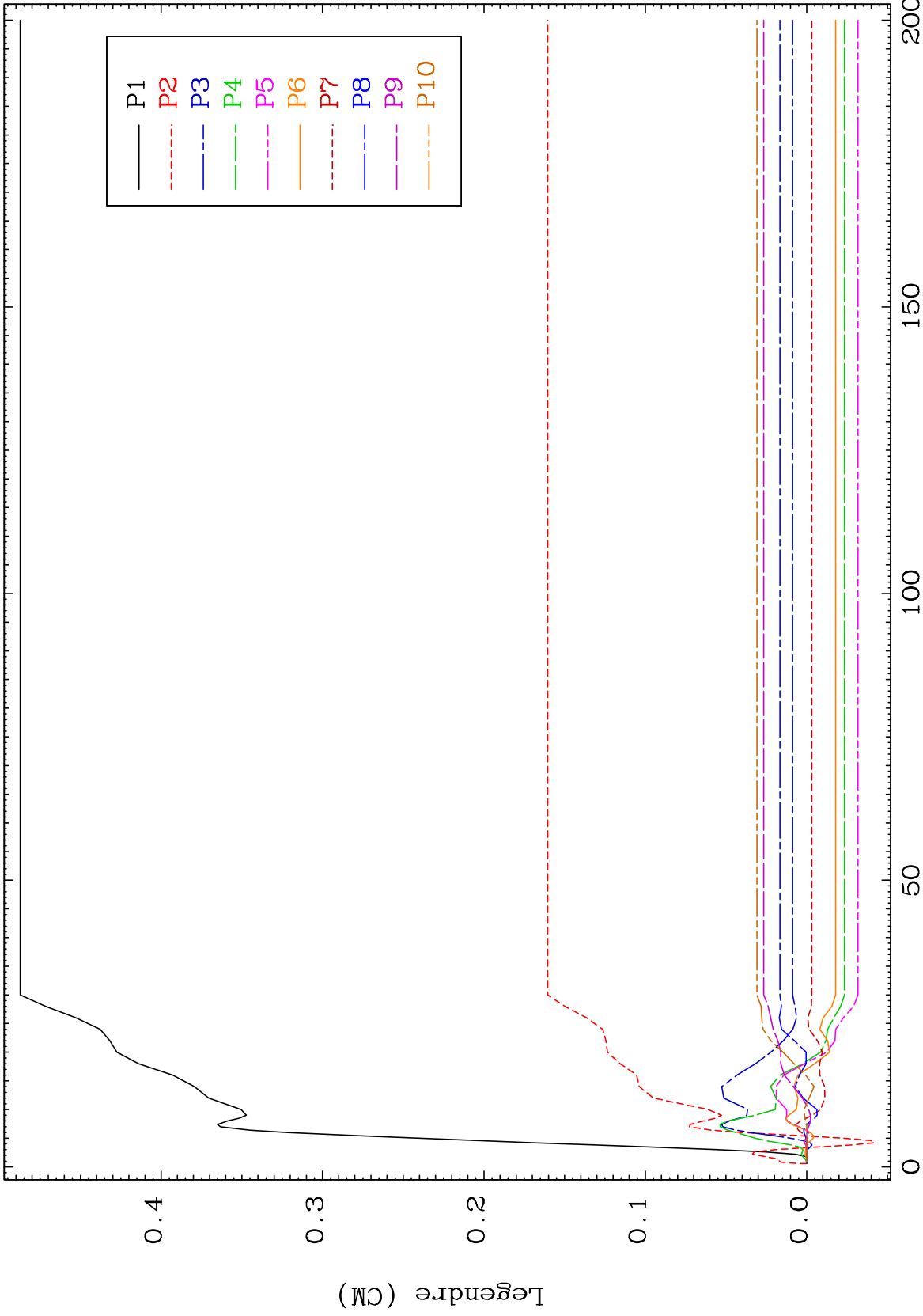
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



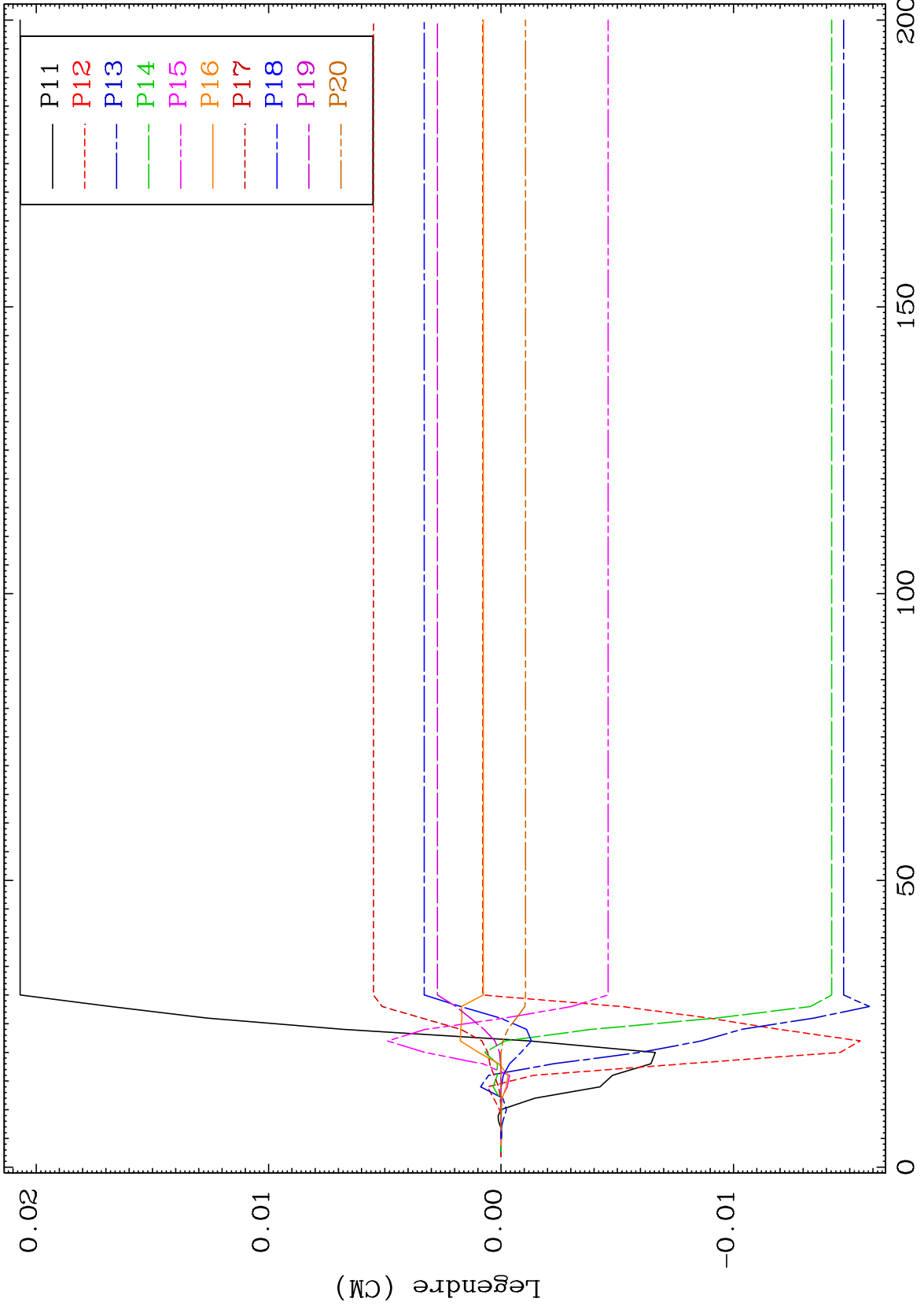
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87-Fr-210

MAT 8719

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

87-Fr-210



44

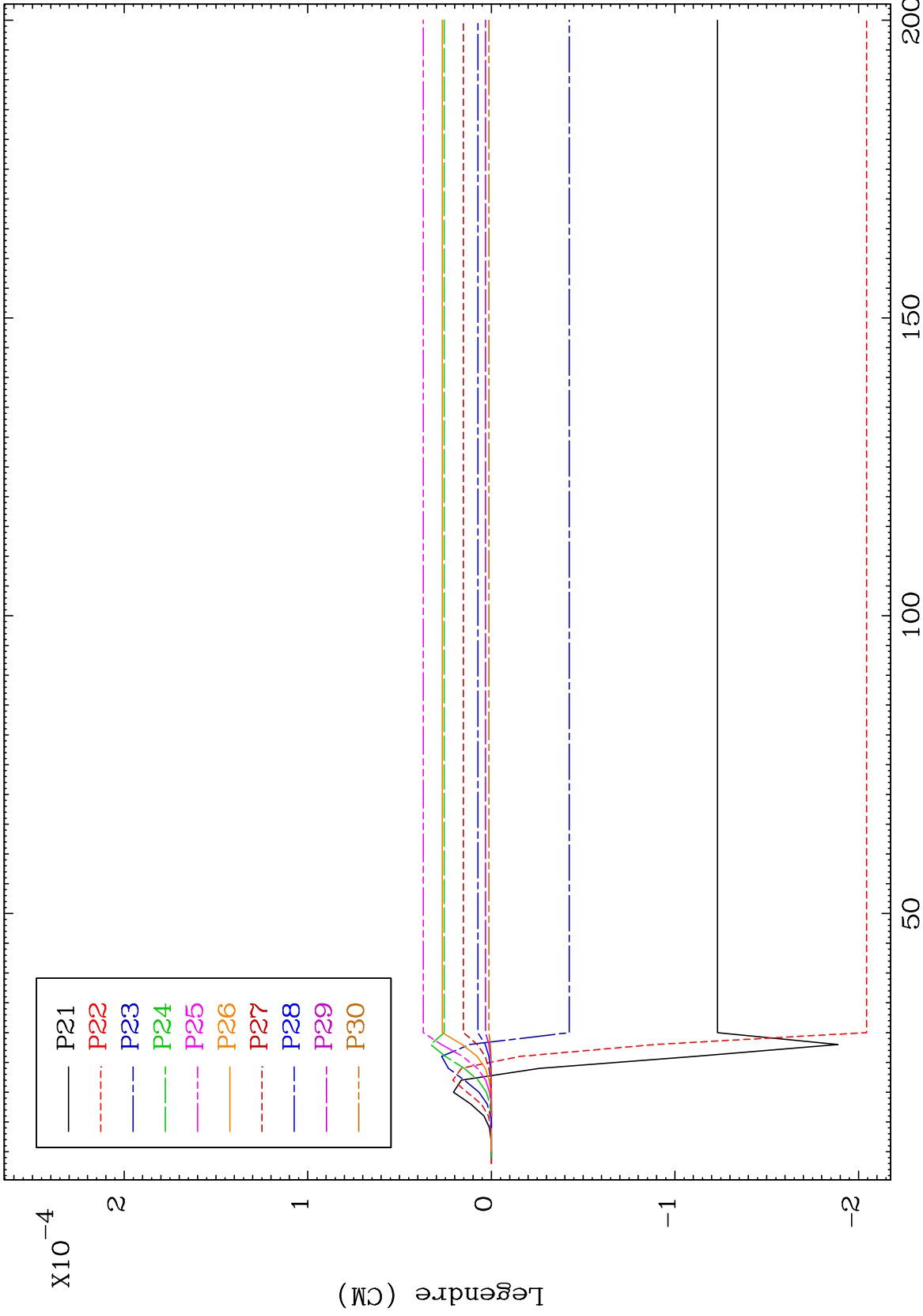
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



45

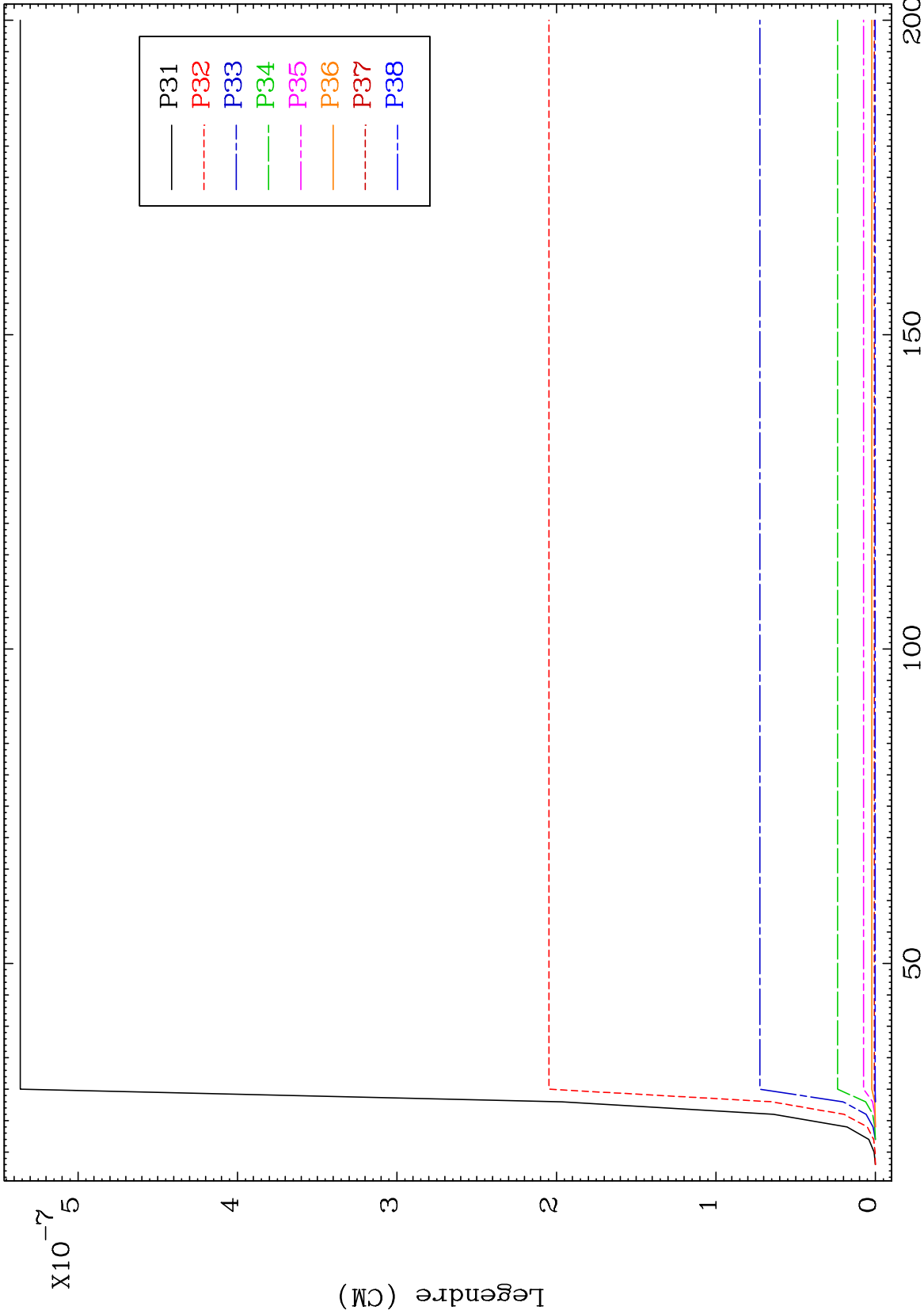
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



46

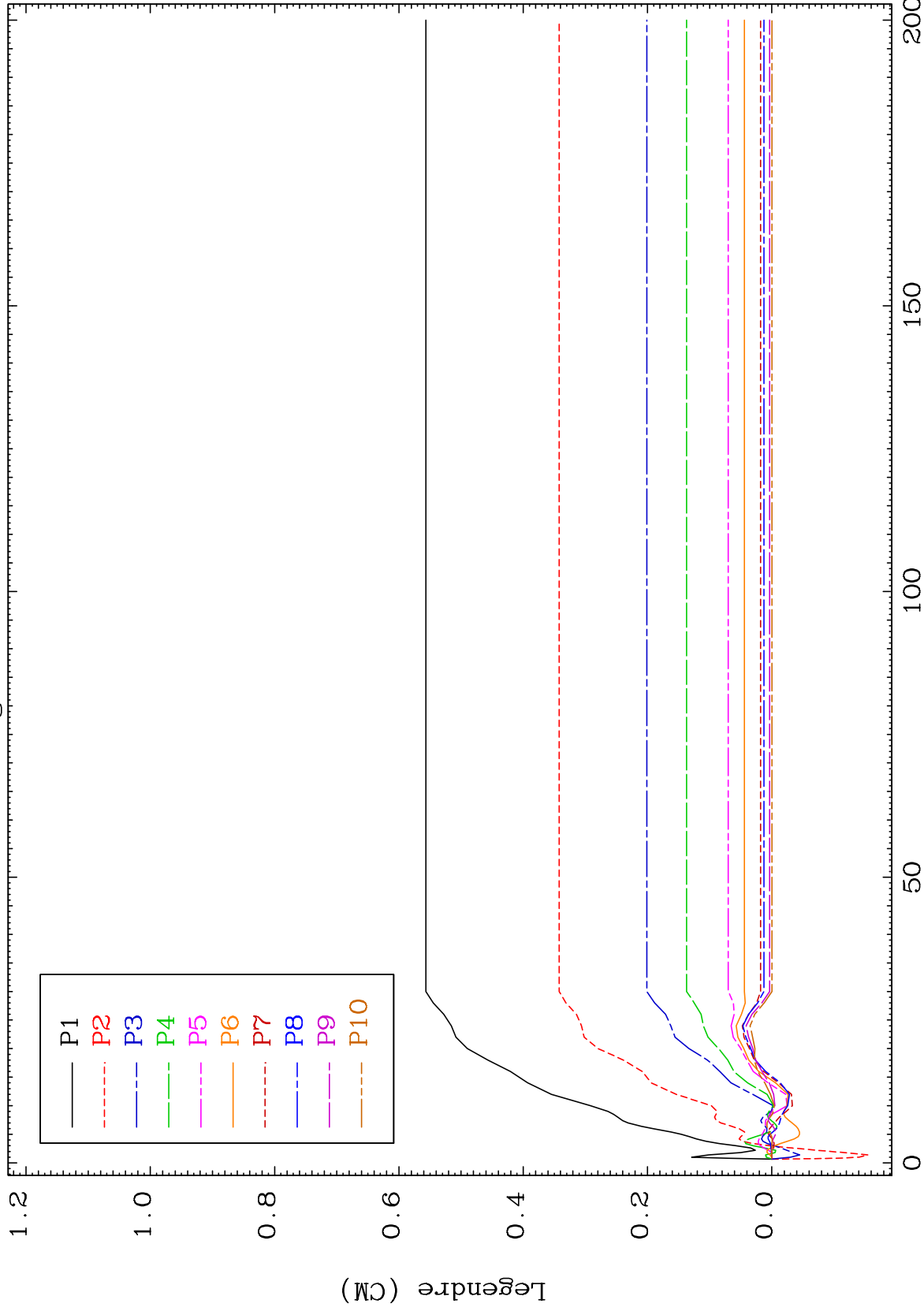
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



47

Incident Energy (MeV)

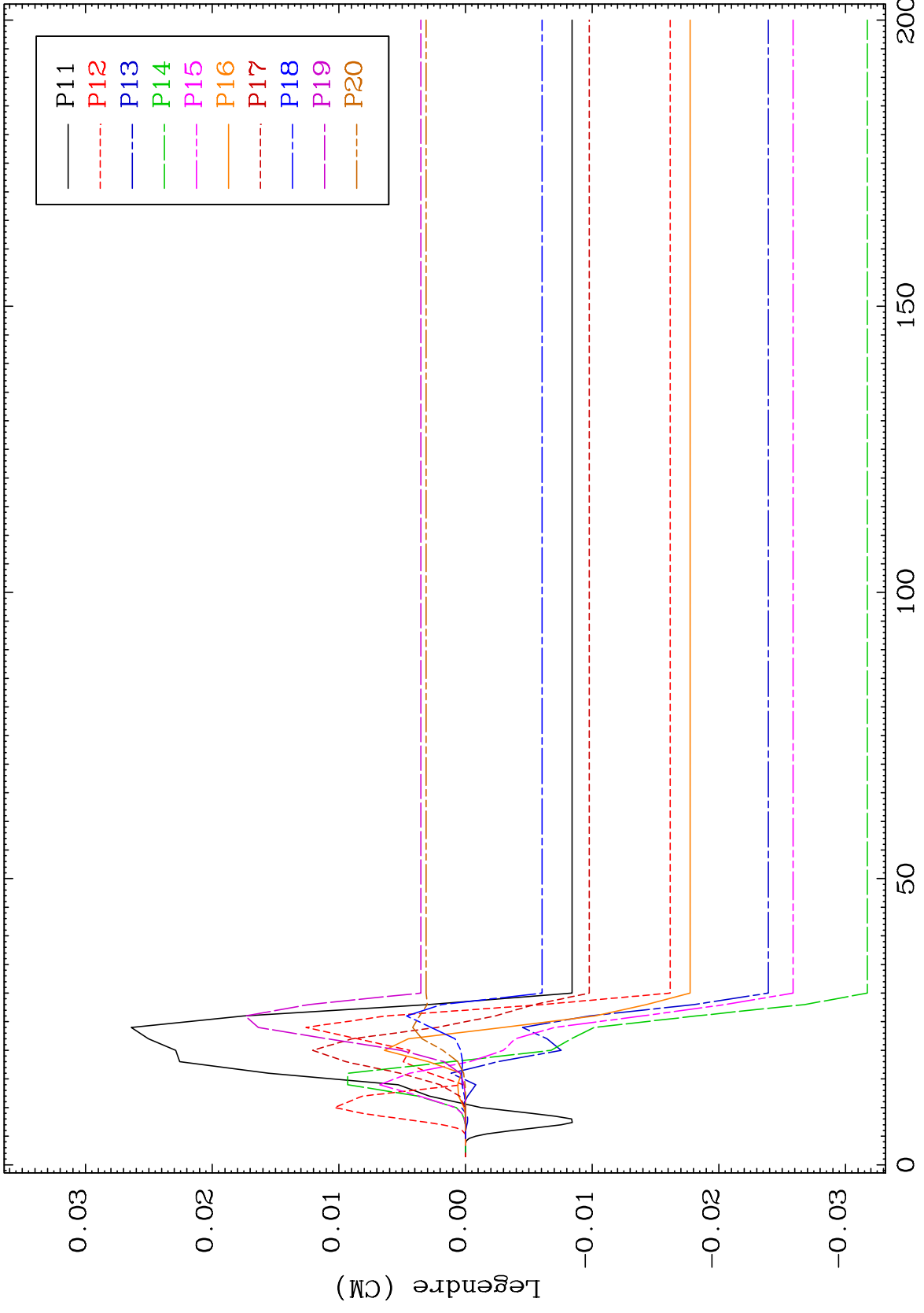
87-Fr-210



MAT 8719

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

87-Fr-210



48

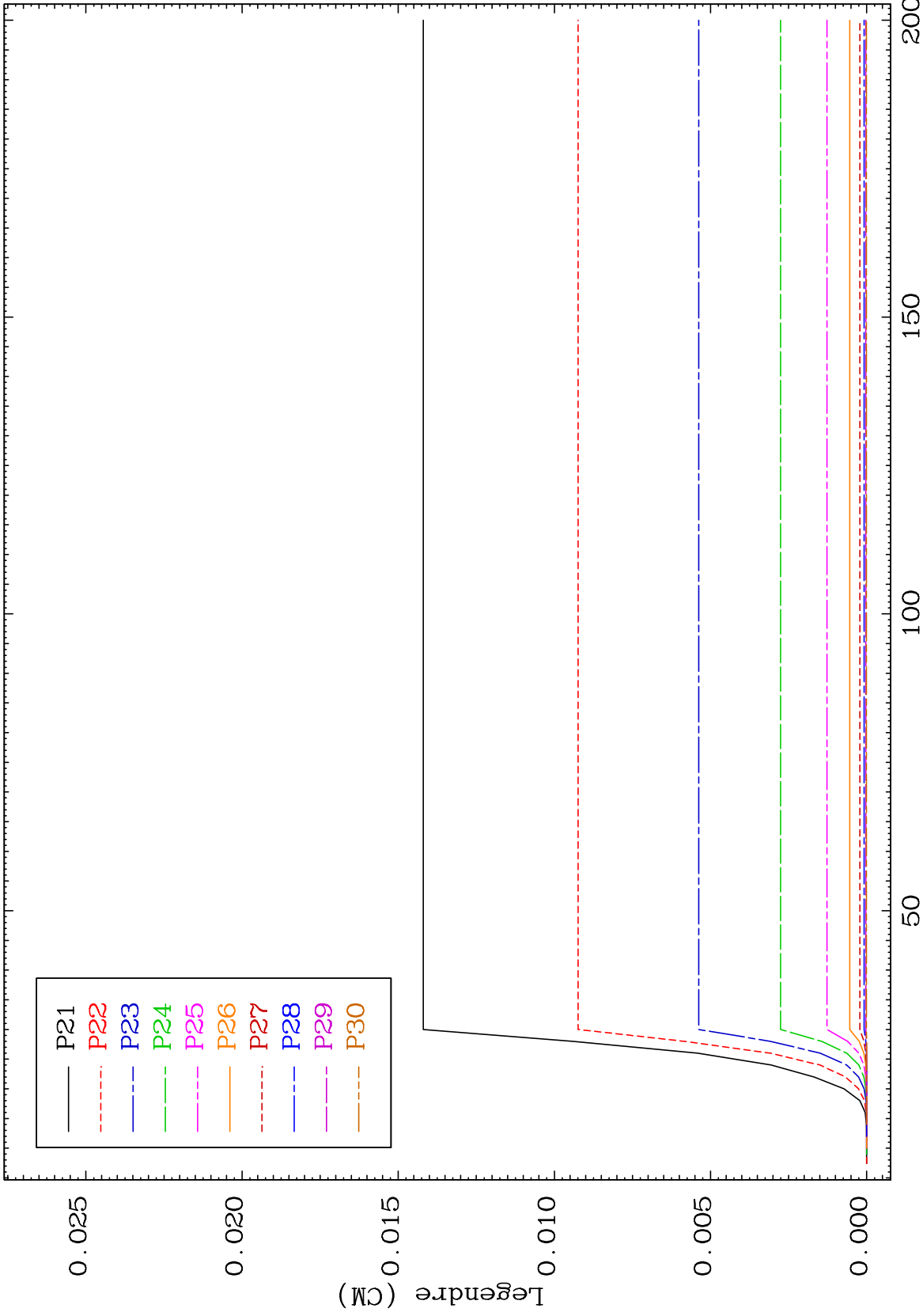
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



49

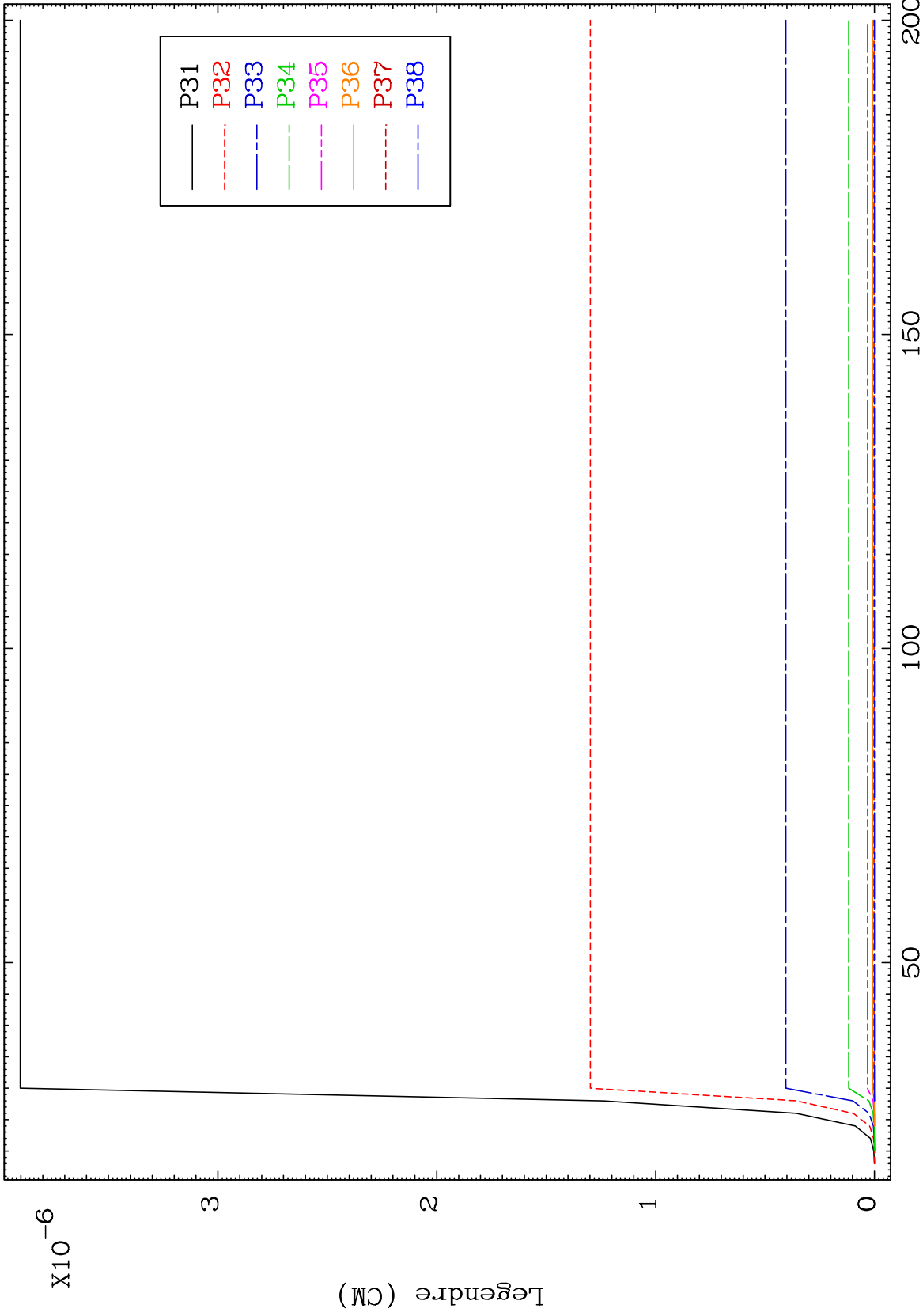
87-Fr-210

87-Fr-210

MAT 8719

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

87-Fr-210



50

50

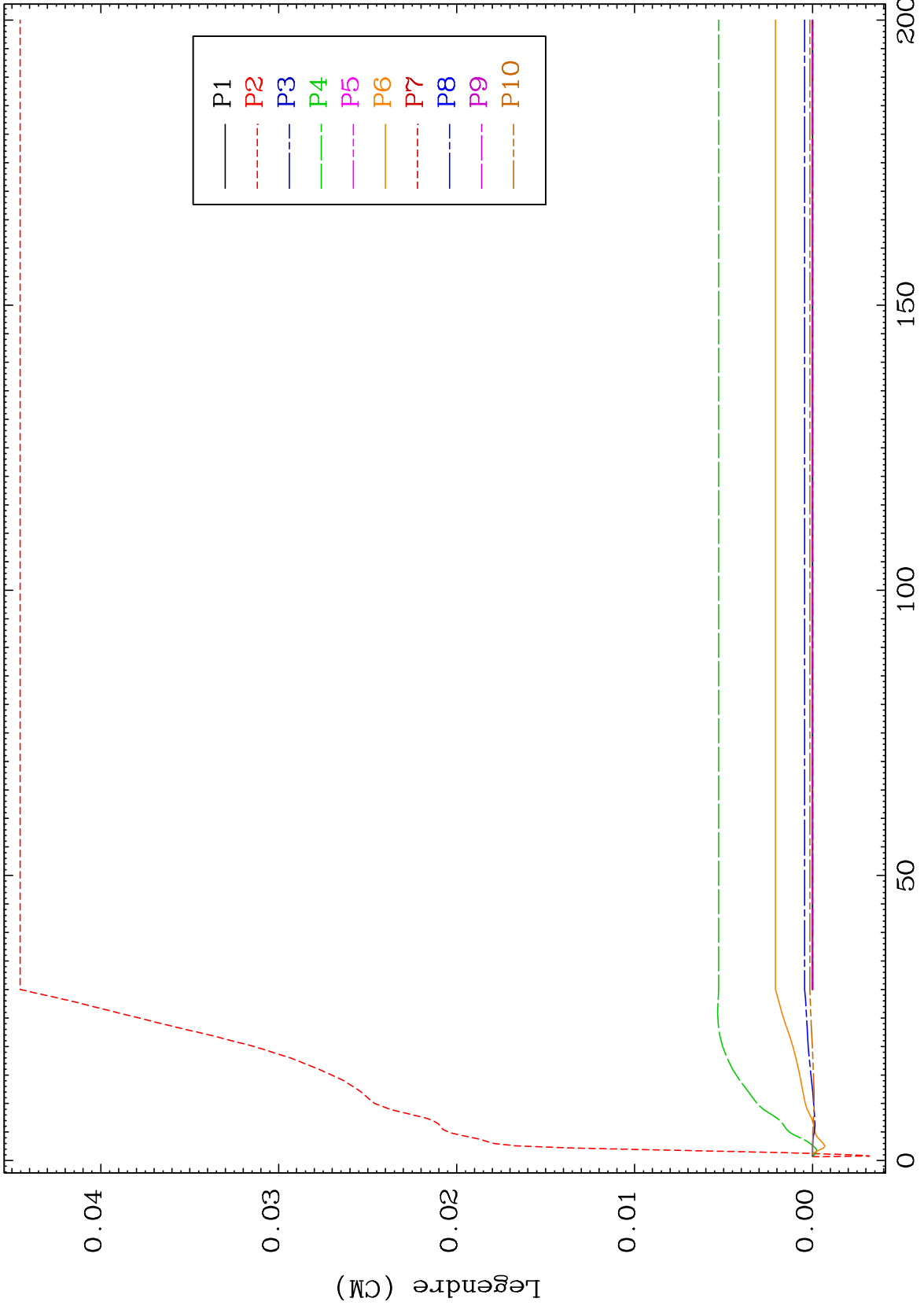
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150

200

87-Fr-210

MAT 8719 MT= 60 (n,n') Level Legendre Coefficients 87-Fr-210

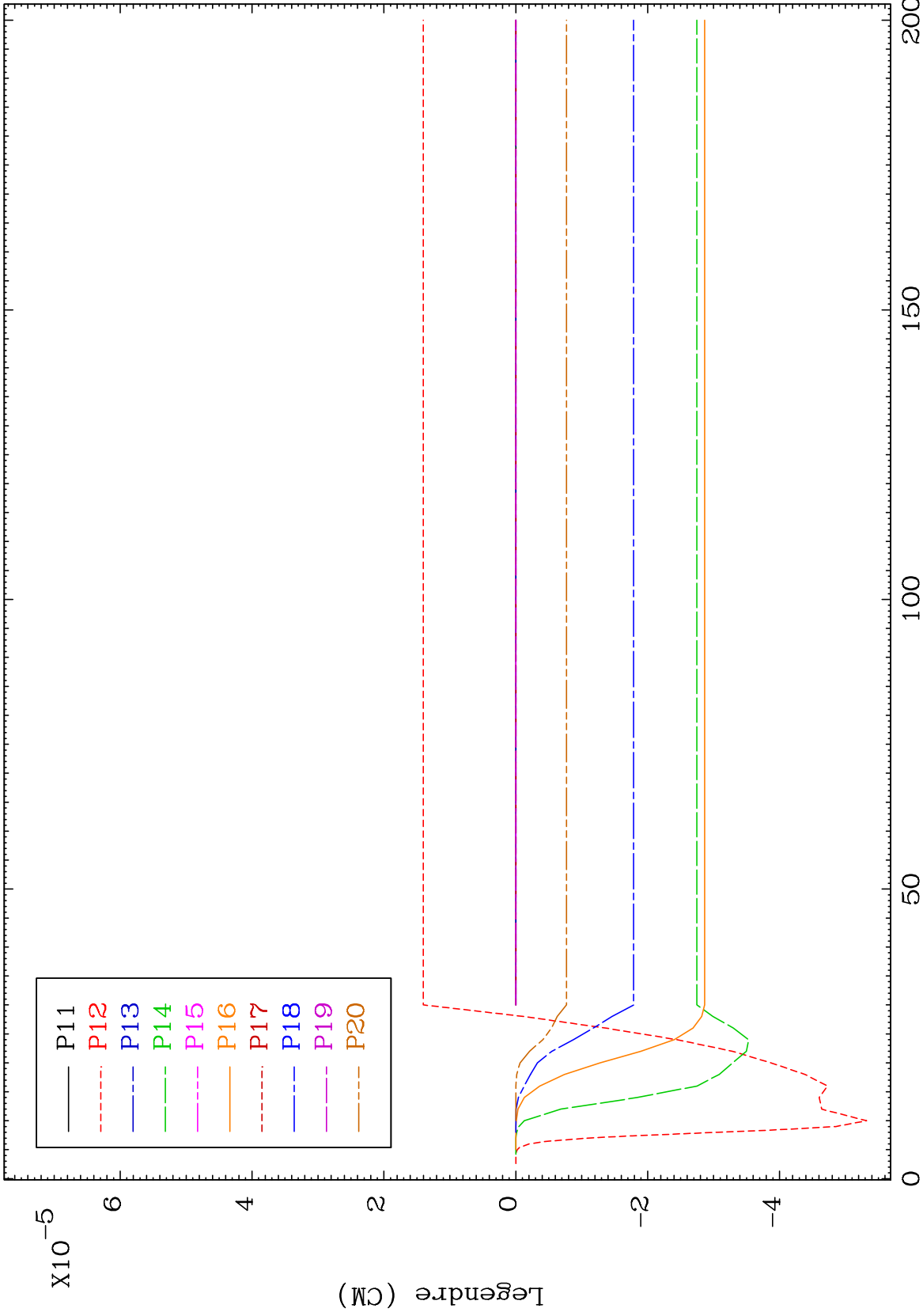


51 87-Fr-210

MAT 8719

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

87-Fr-210



52

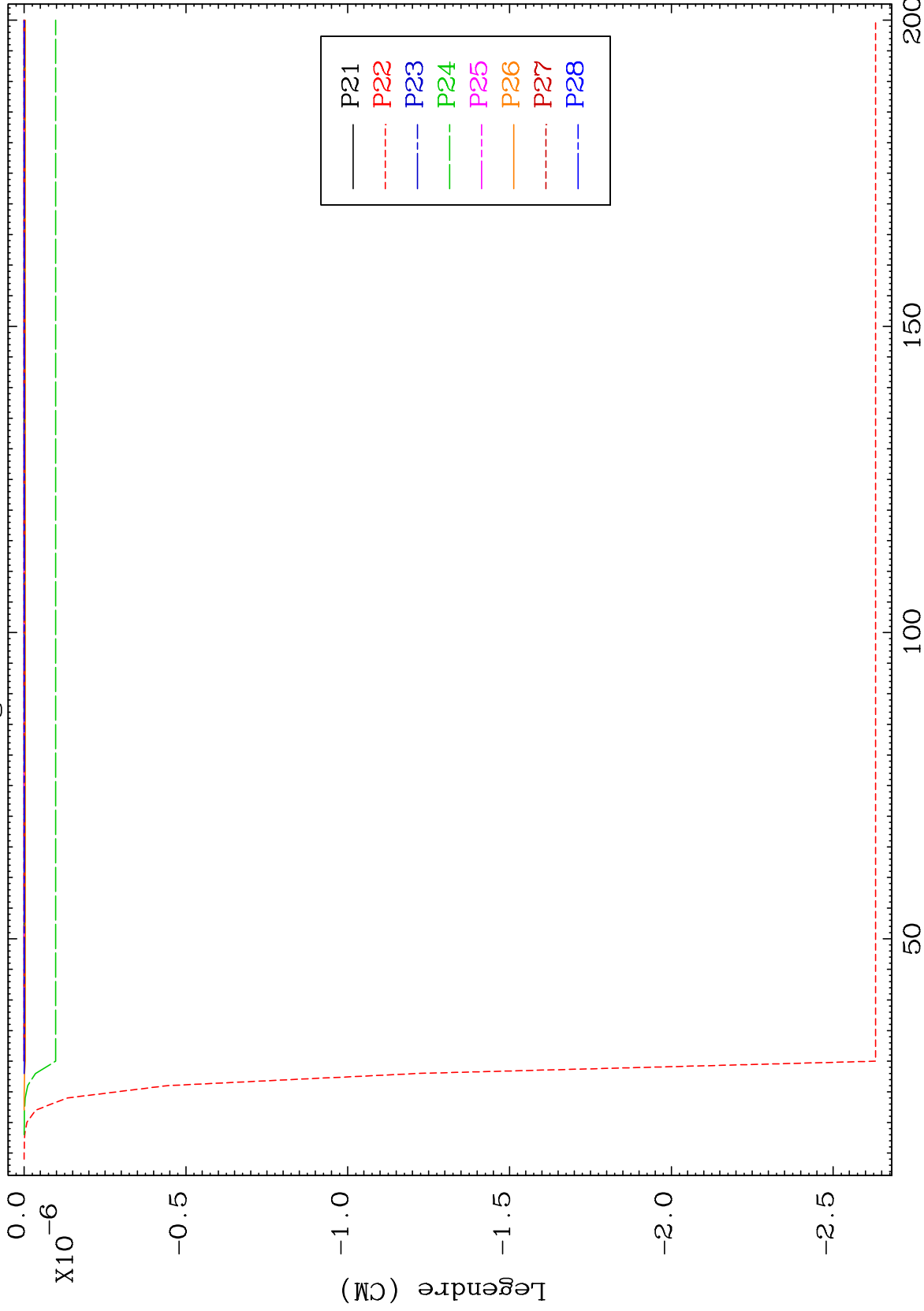
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



53

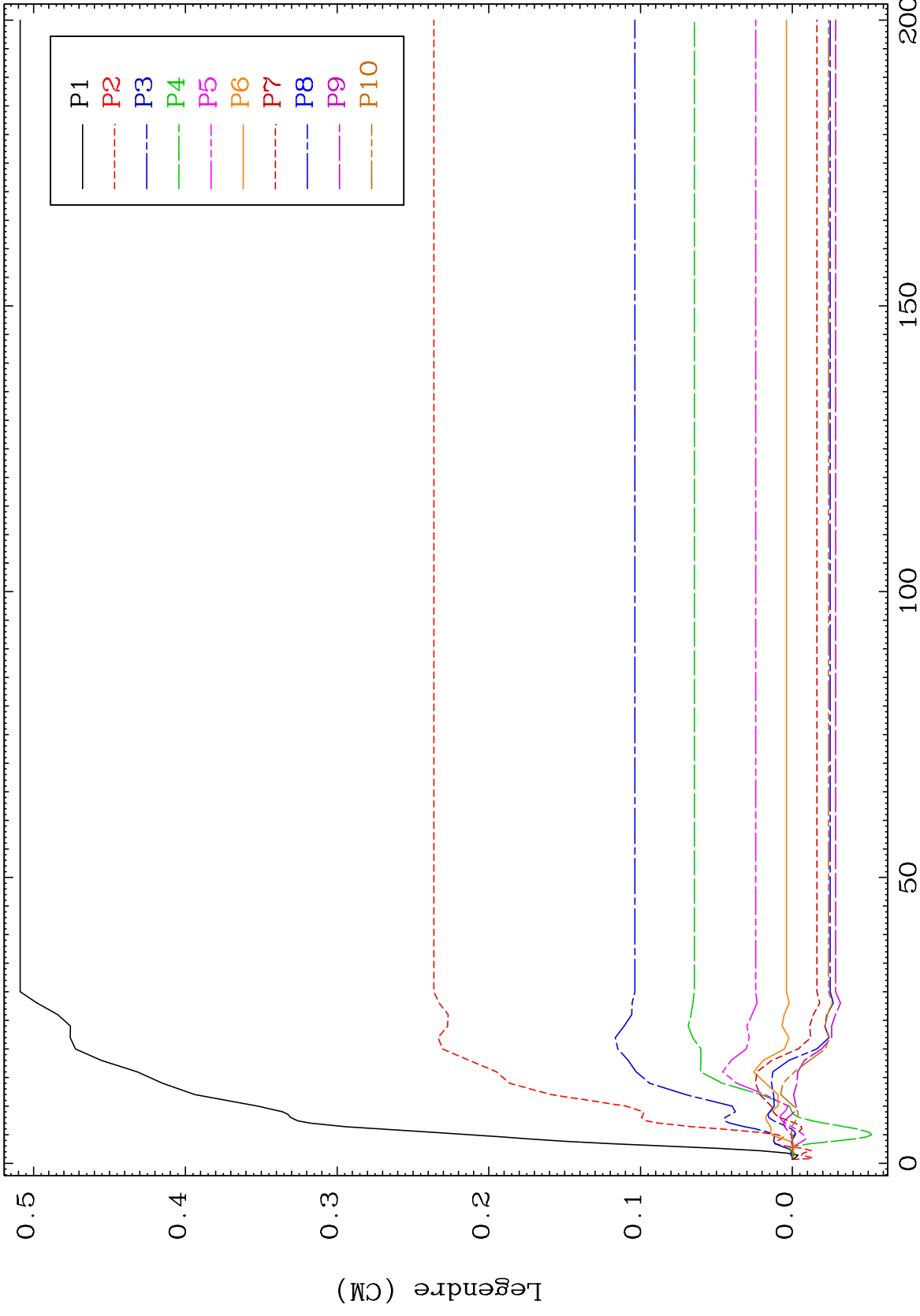
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



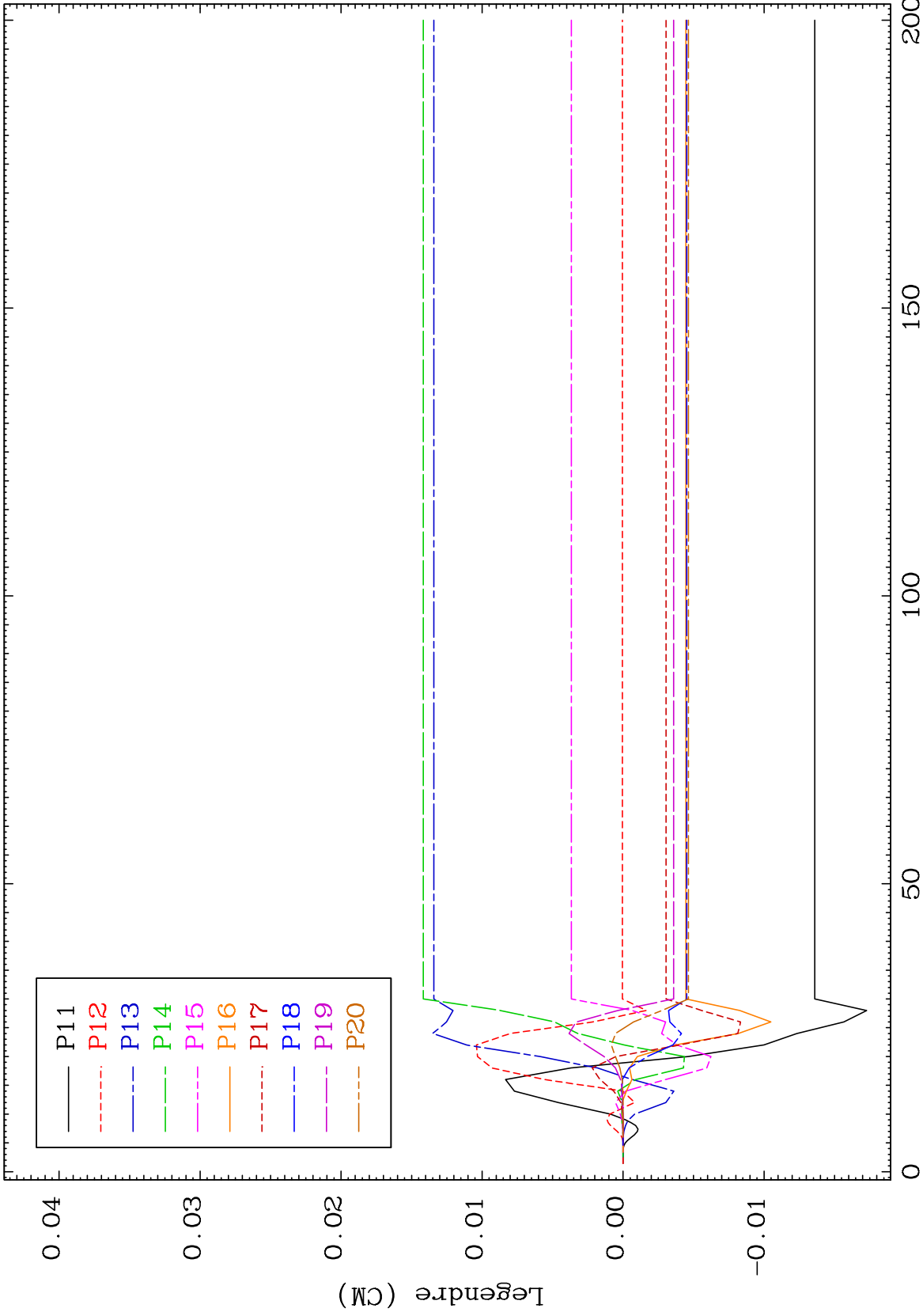
54

87-Fr-210

MAT 8719

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

87-Fr-210



55

Incident Energy (MeV)

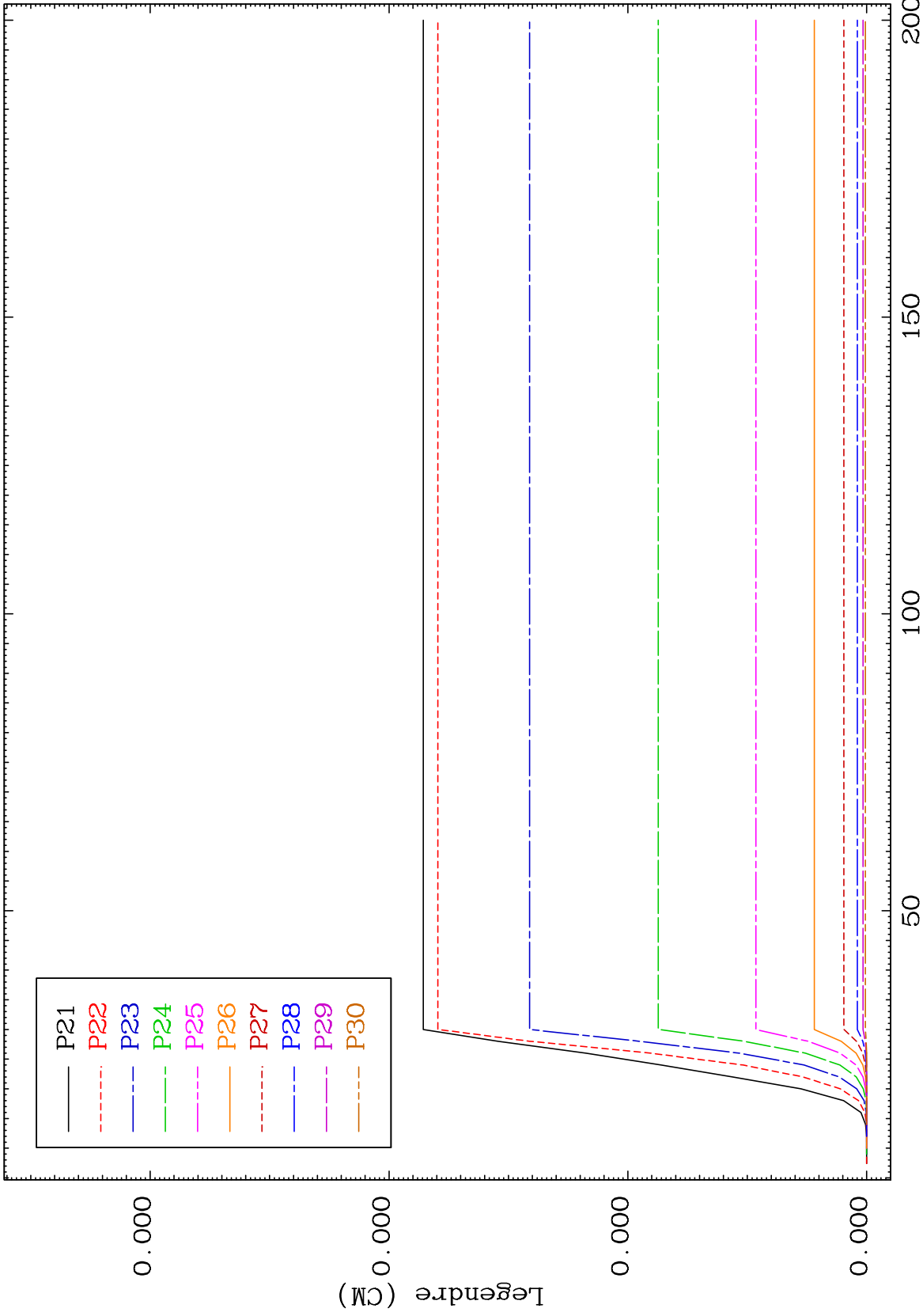
87-Fr-210



MAT 8719

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

87-Fr-210



56

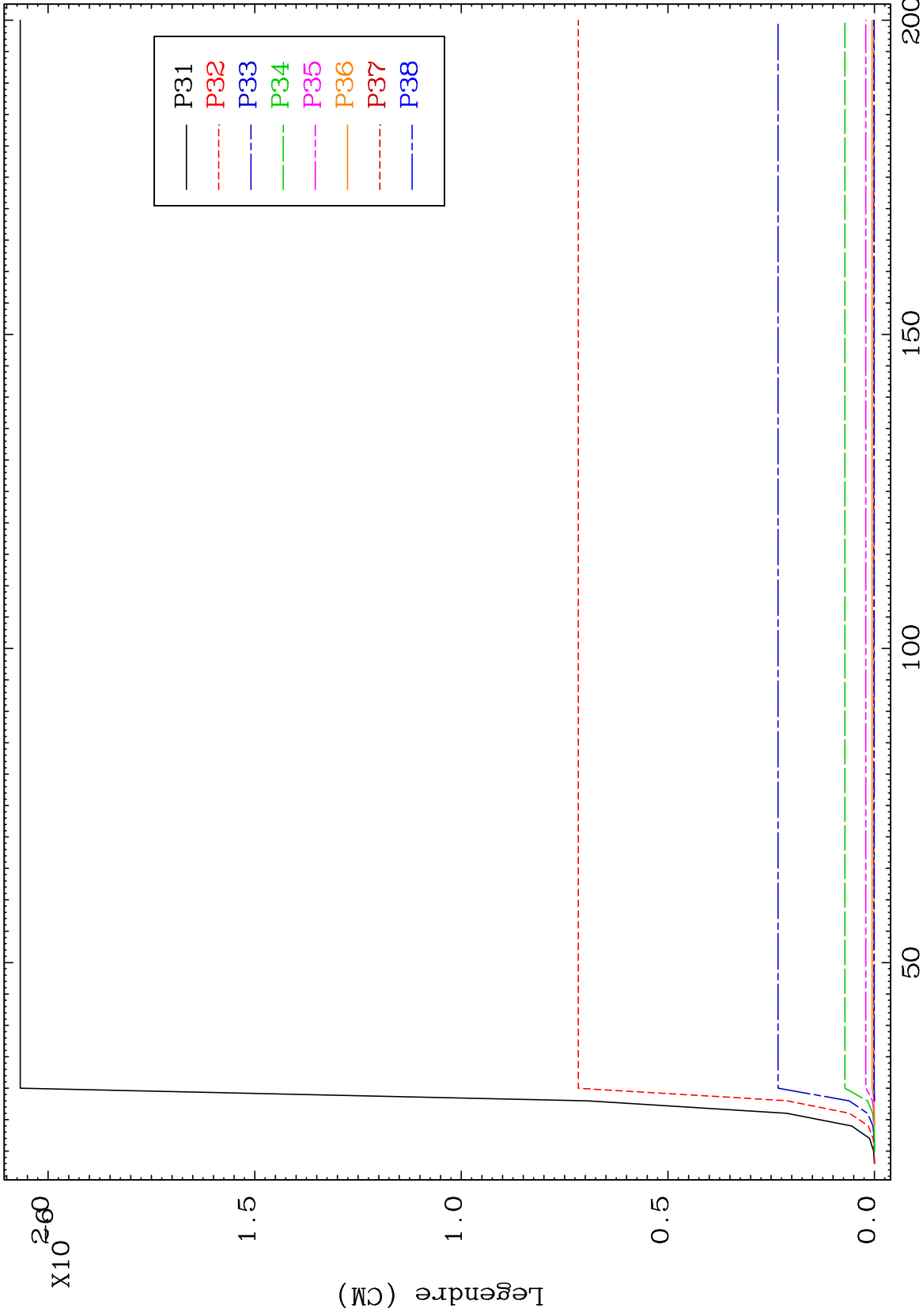
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



57

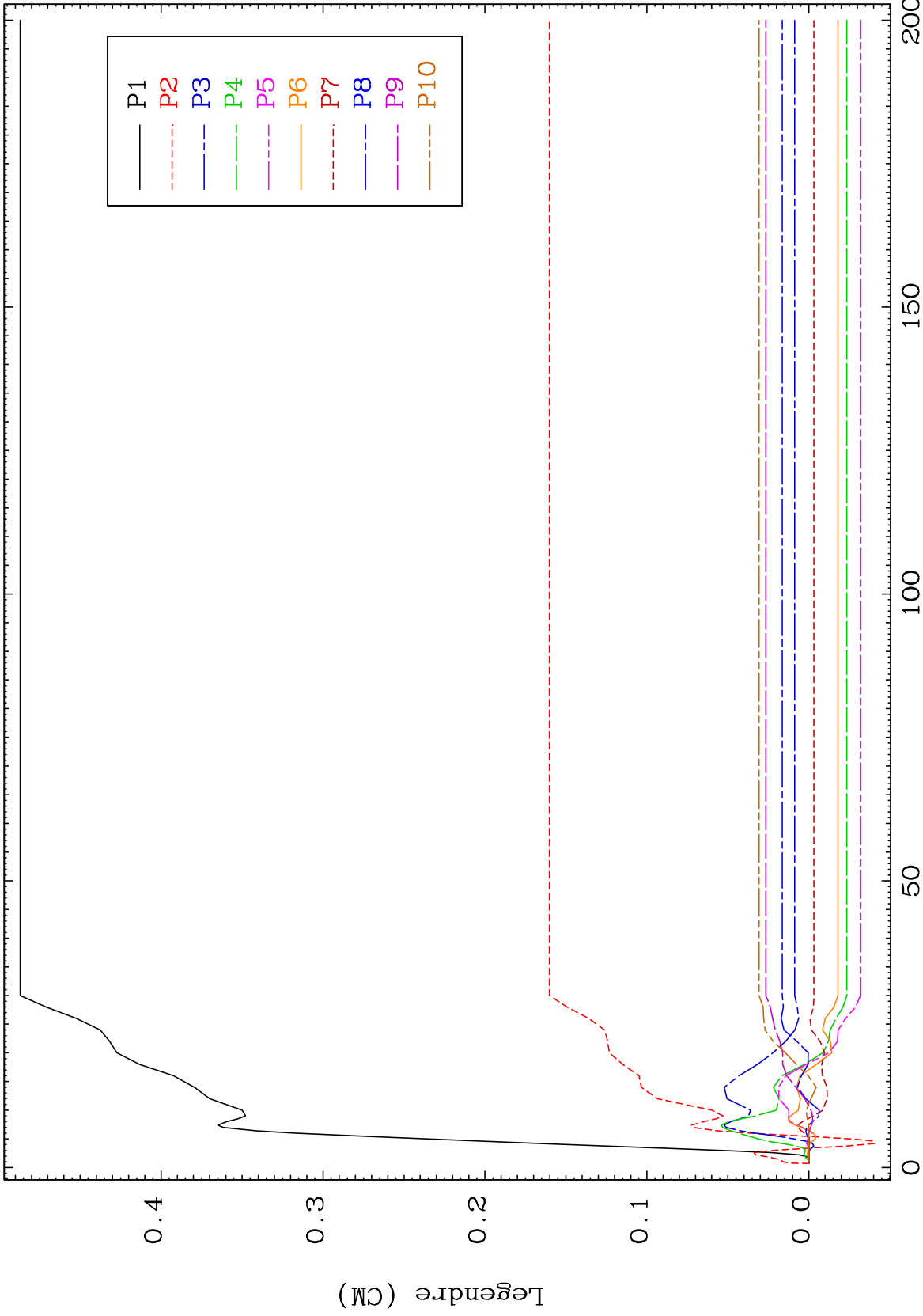
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



58

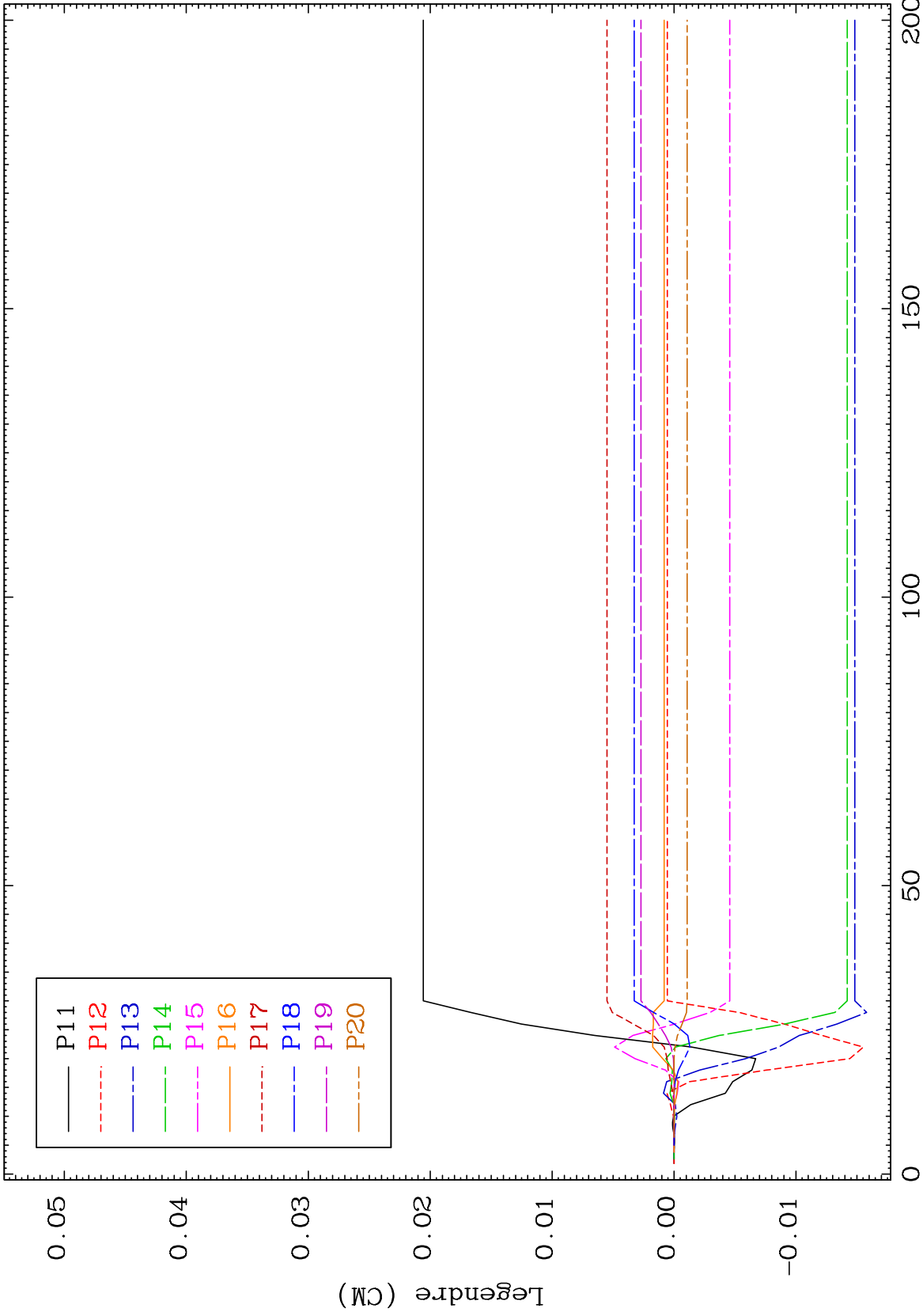
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



59

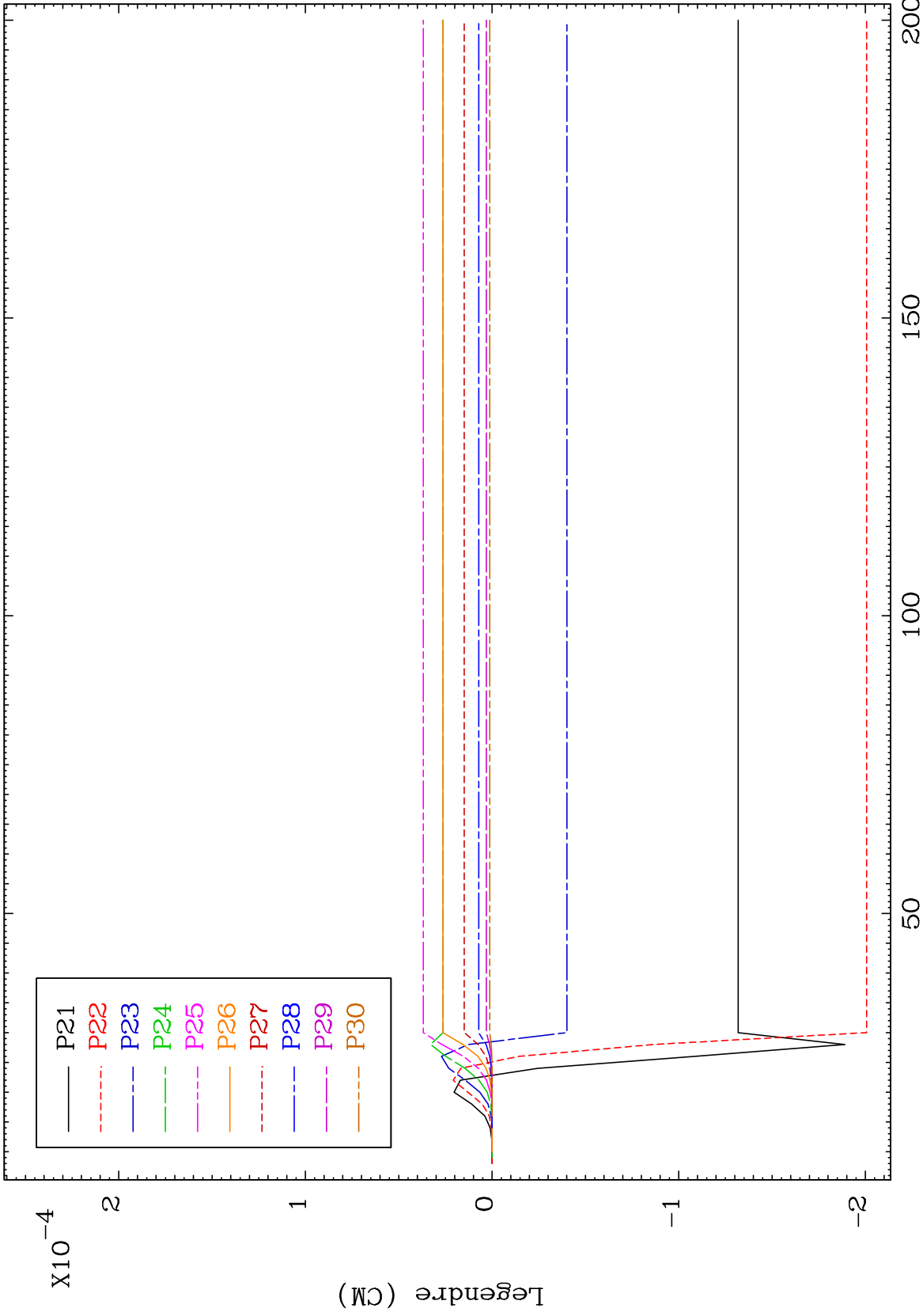
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



60

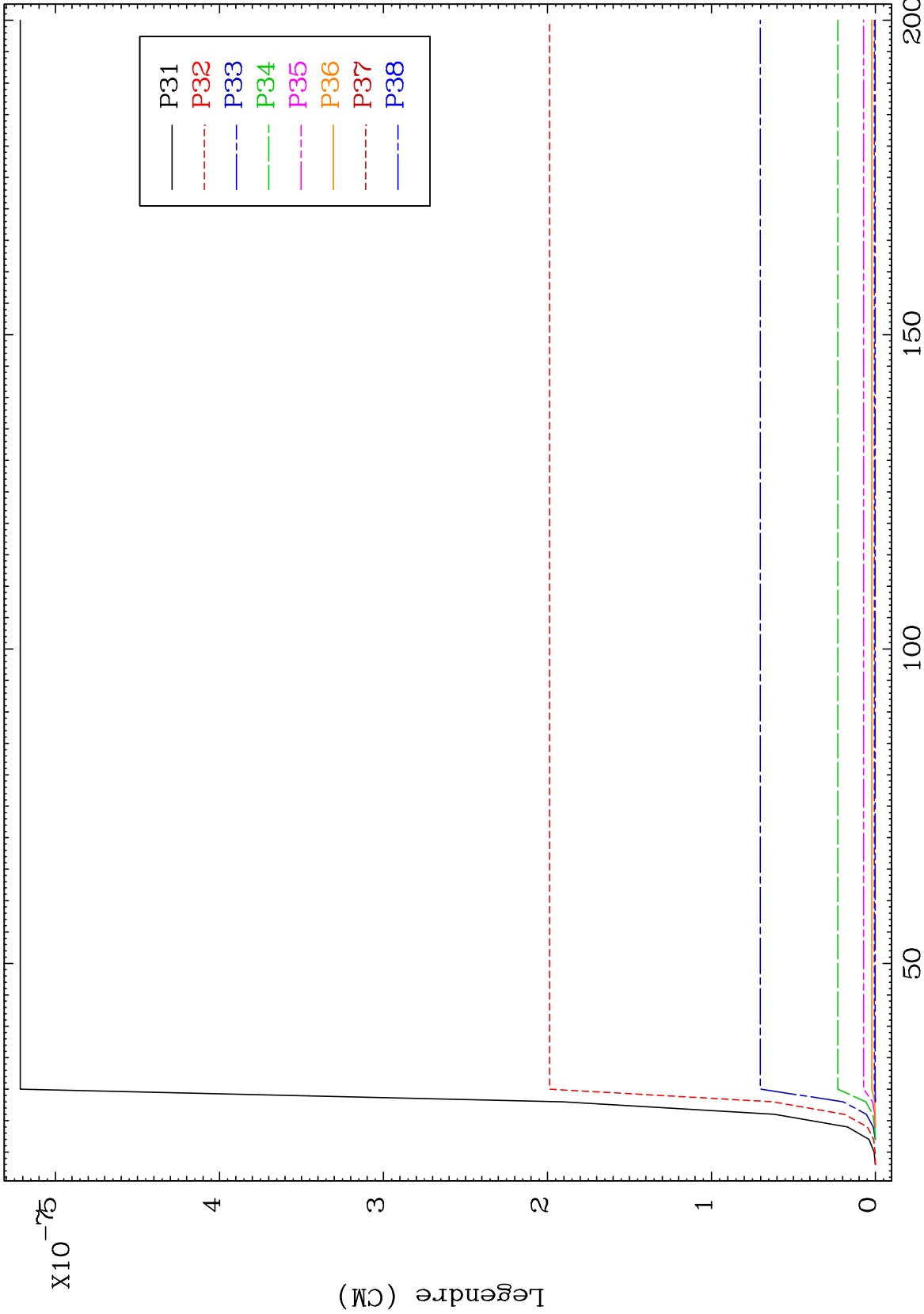
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



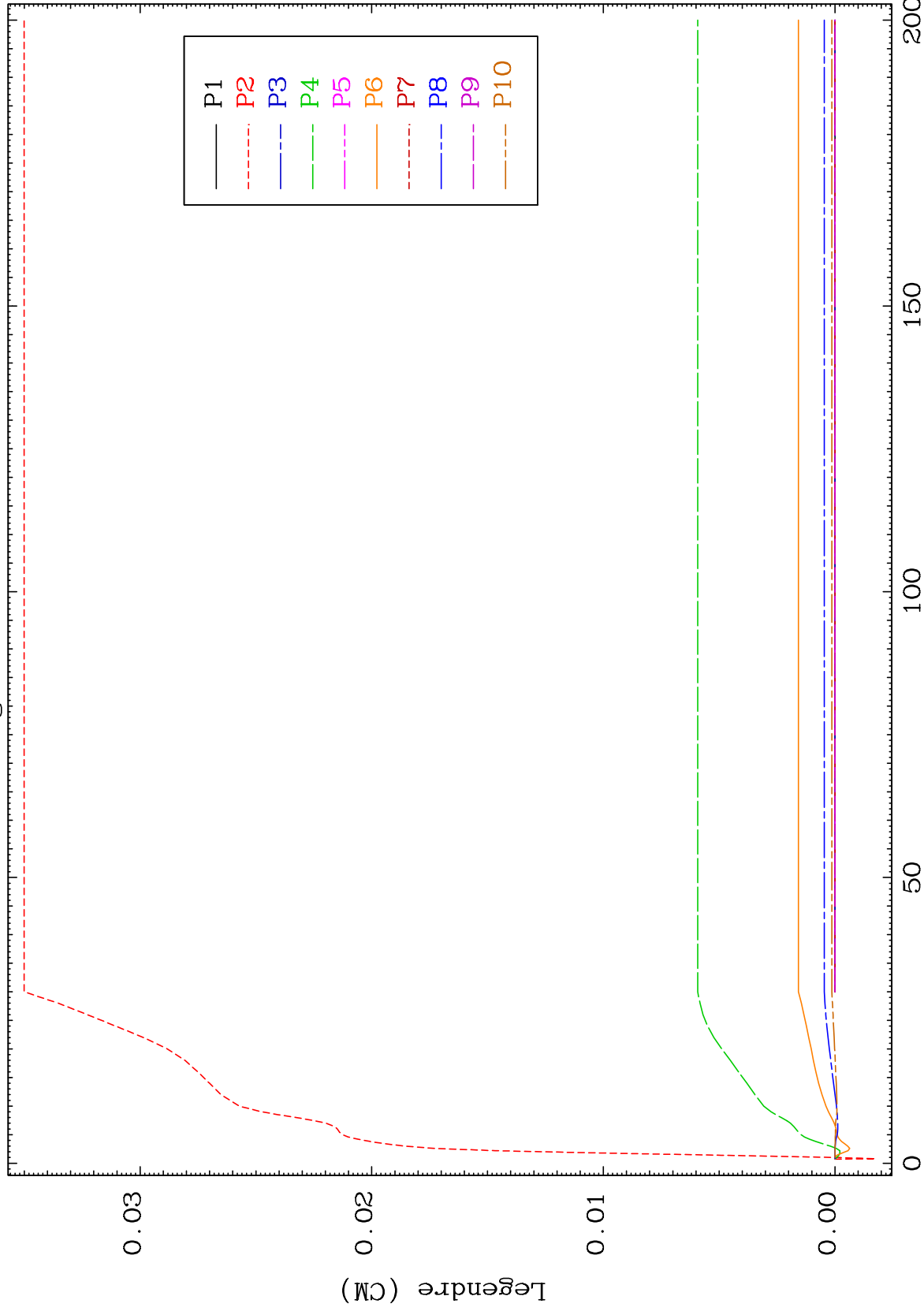
61

87-Fr-210

MAT 8719

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

87-Fr-210



62

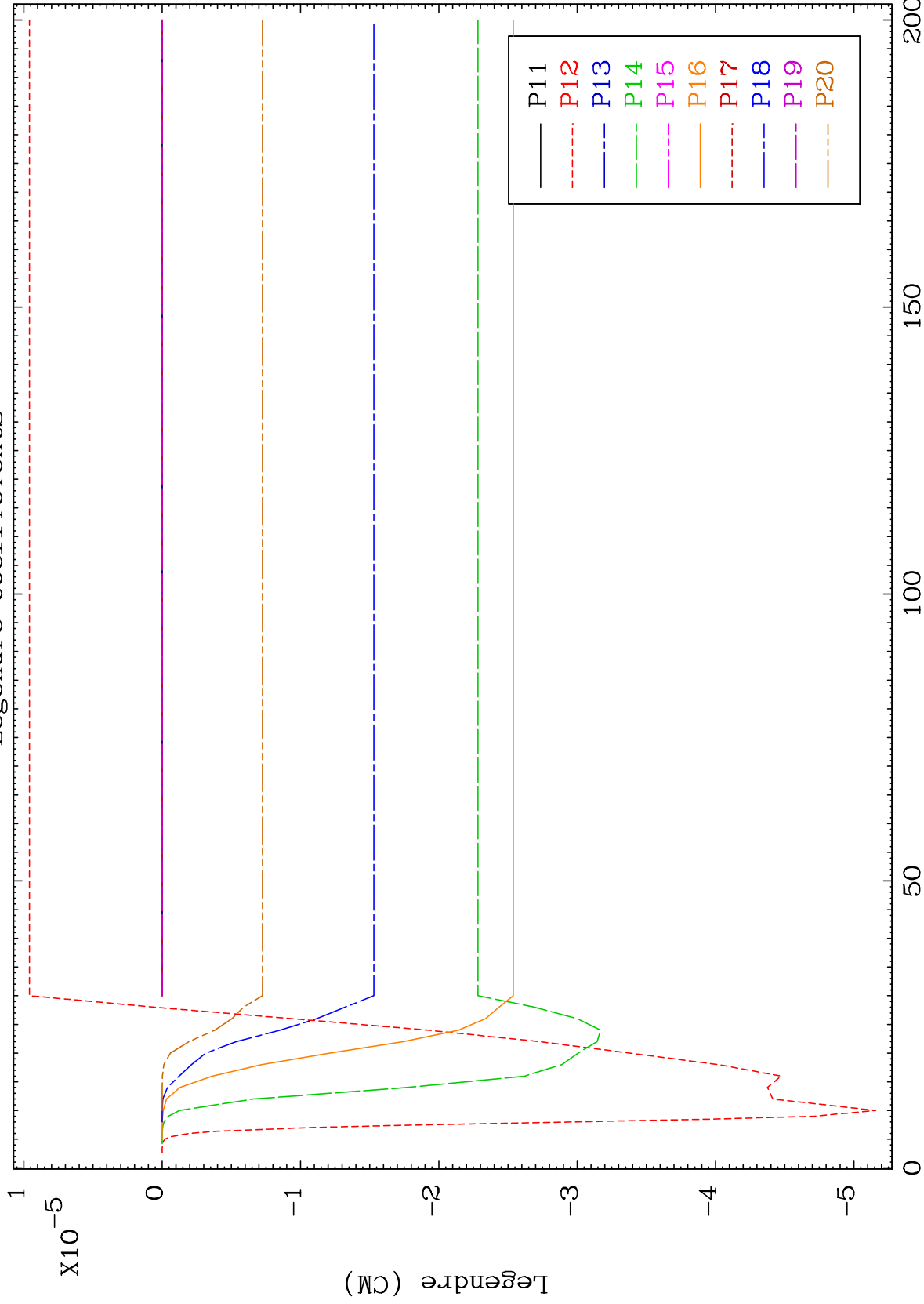
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



63

Incident Energy (MeV)

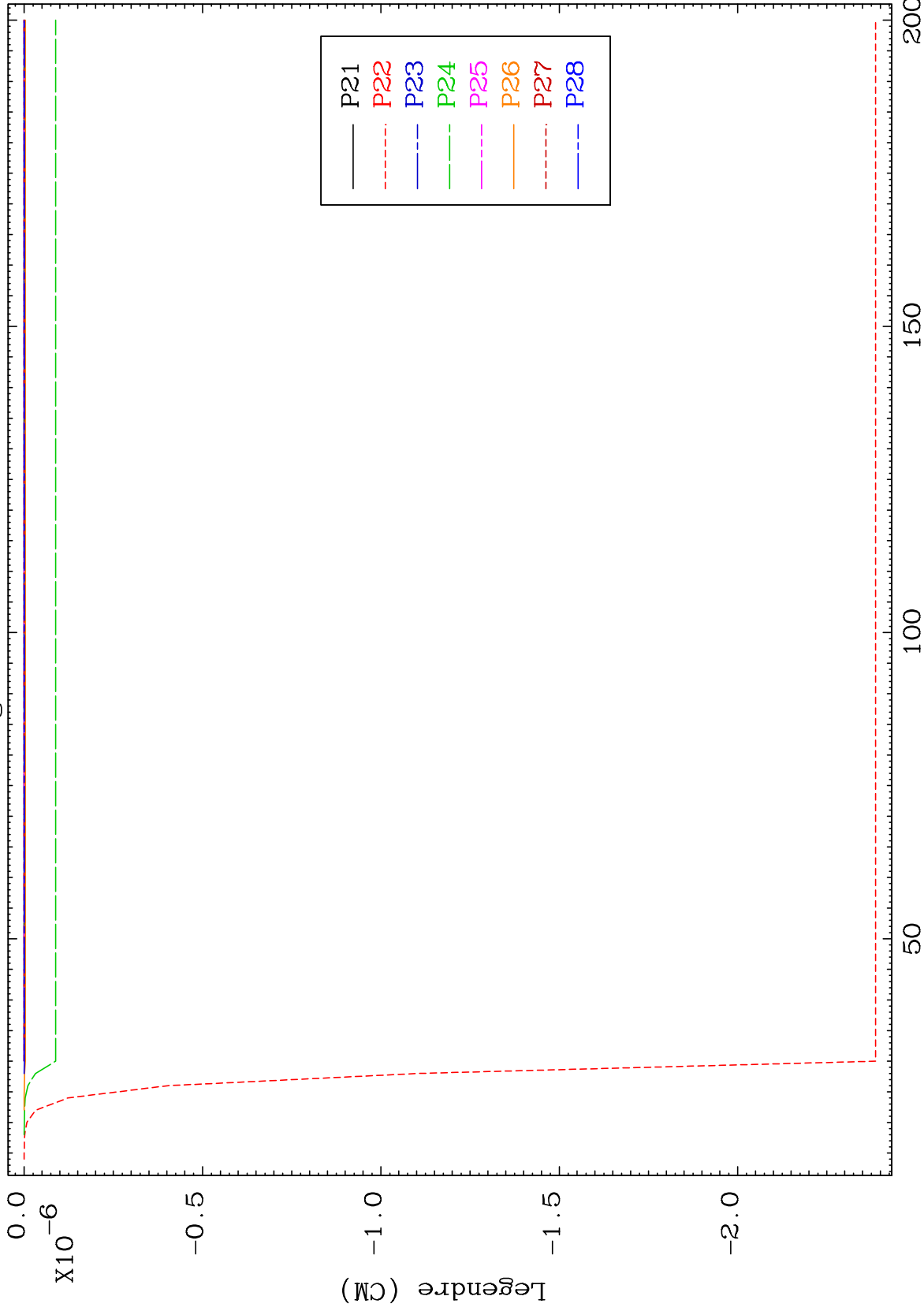
87-Fr-210



MAT 8719

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

87-Fr-210



64

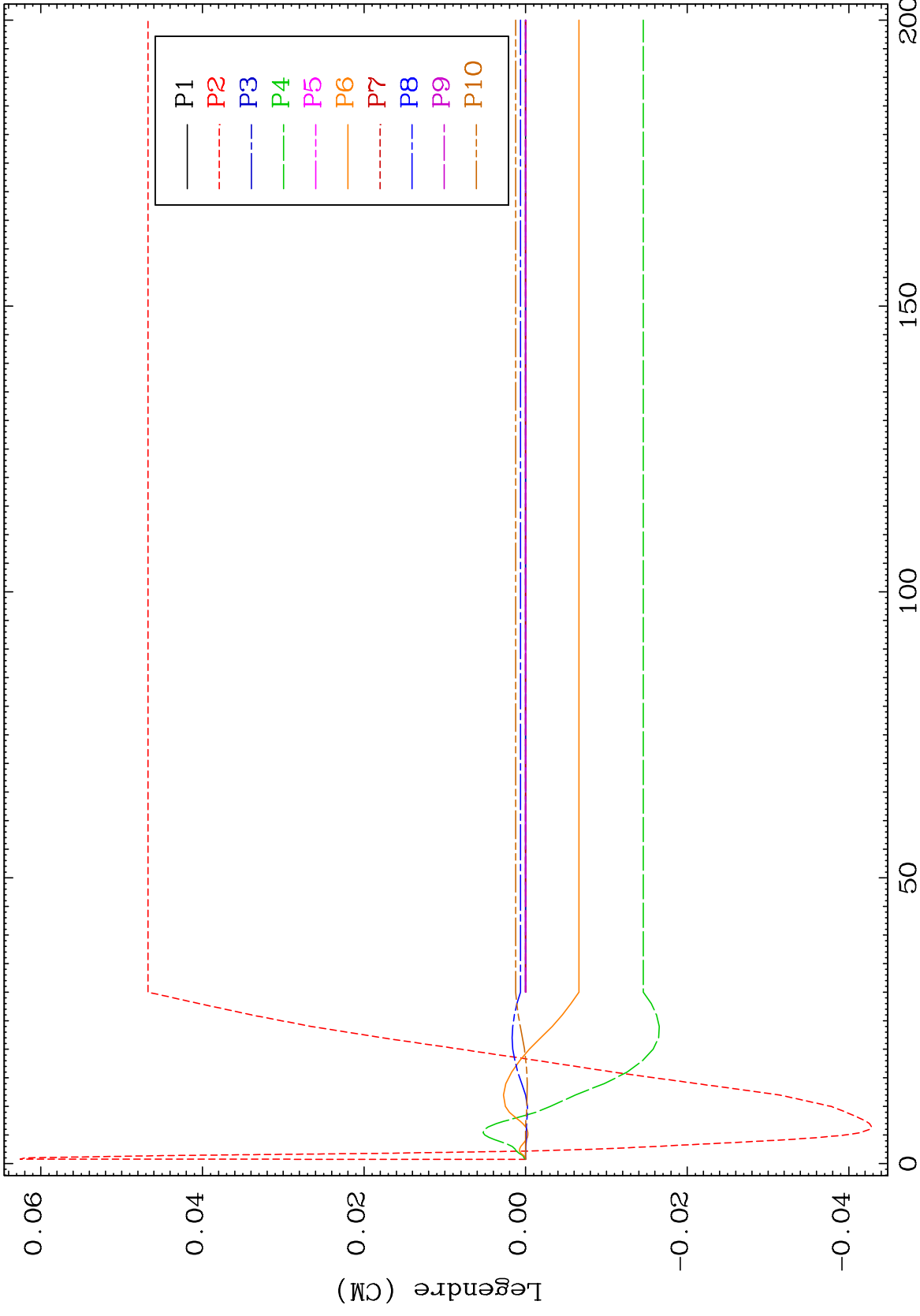
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



65

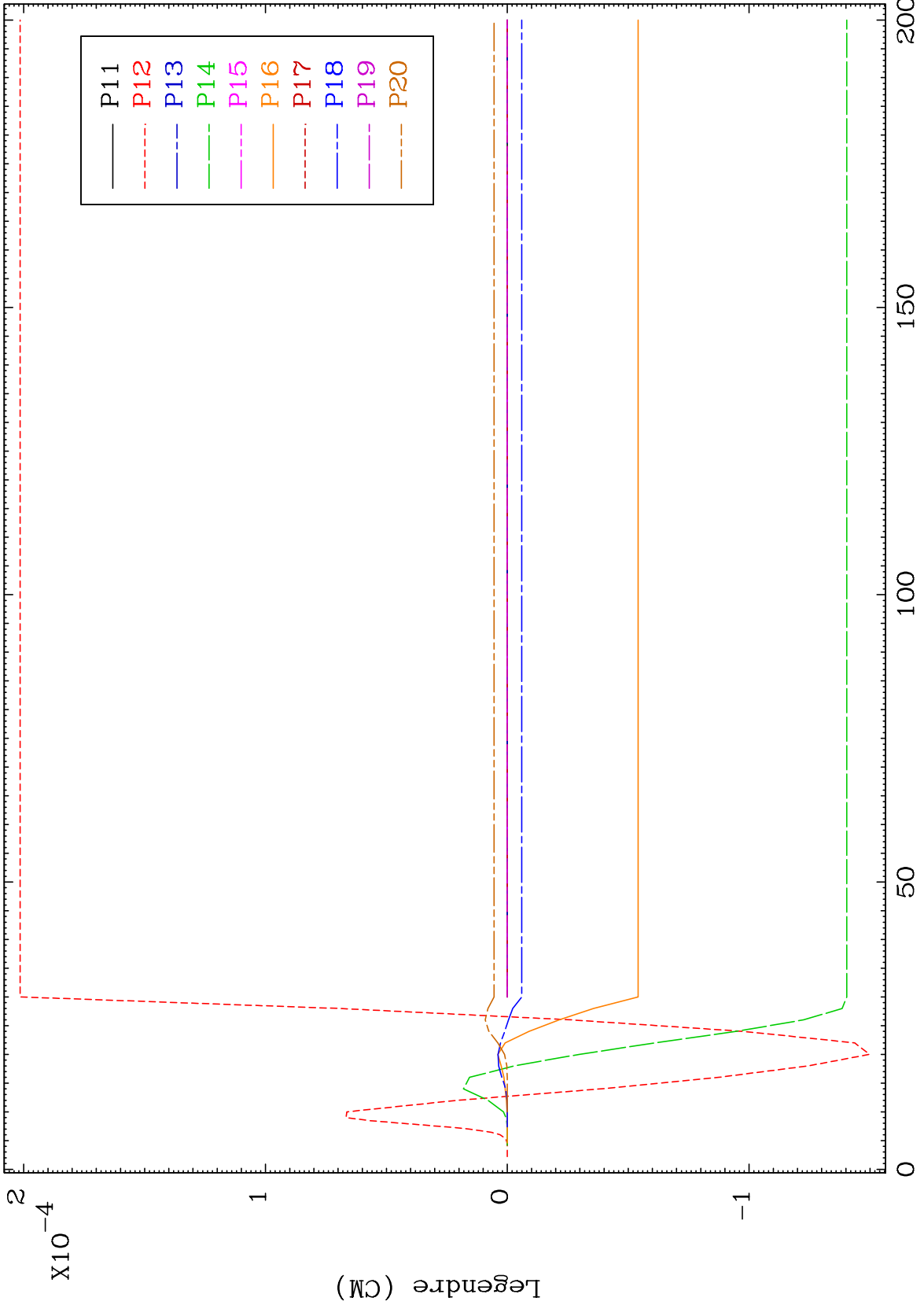
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



66

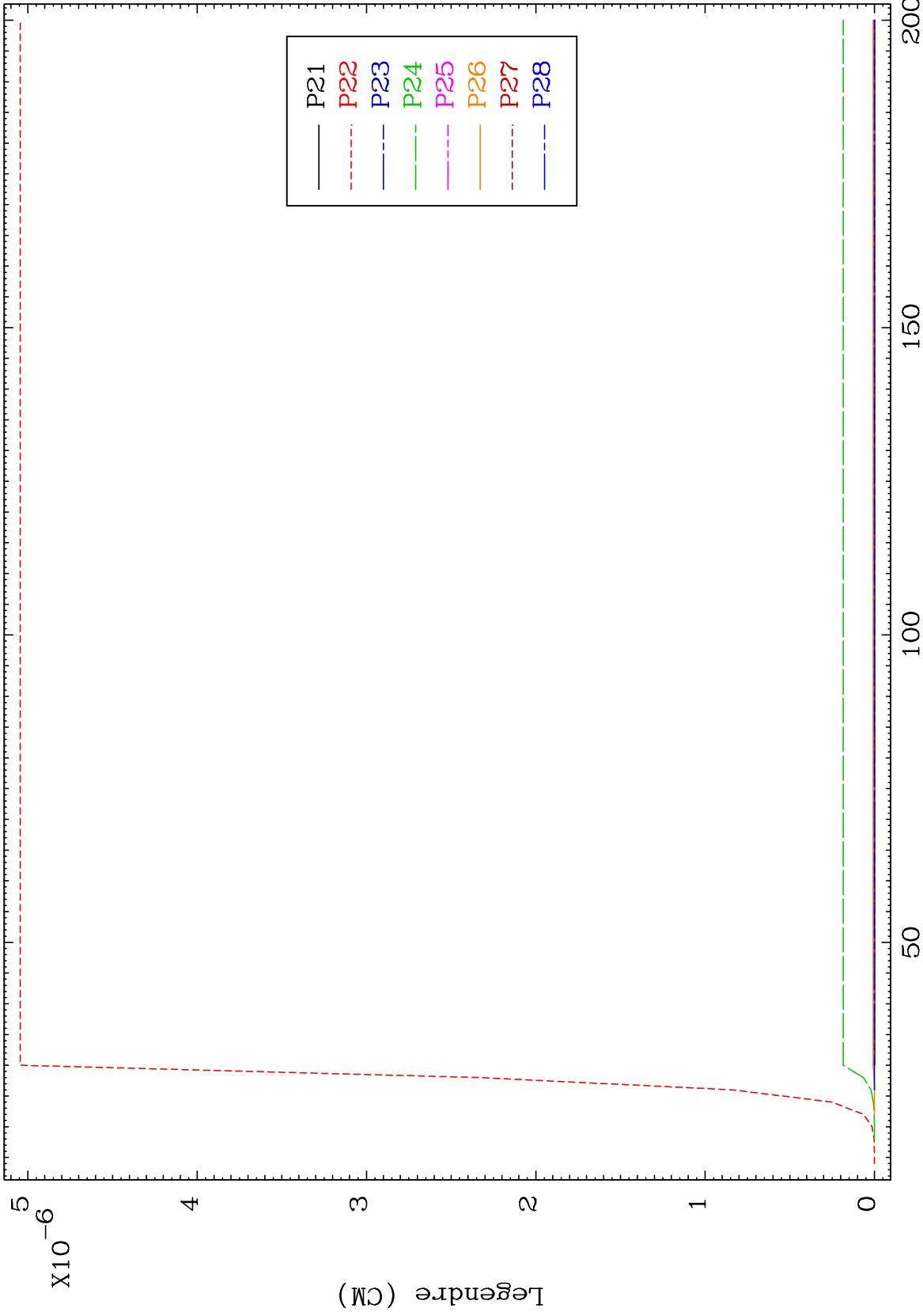
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



67

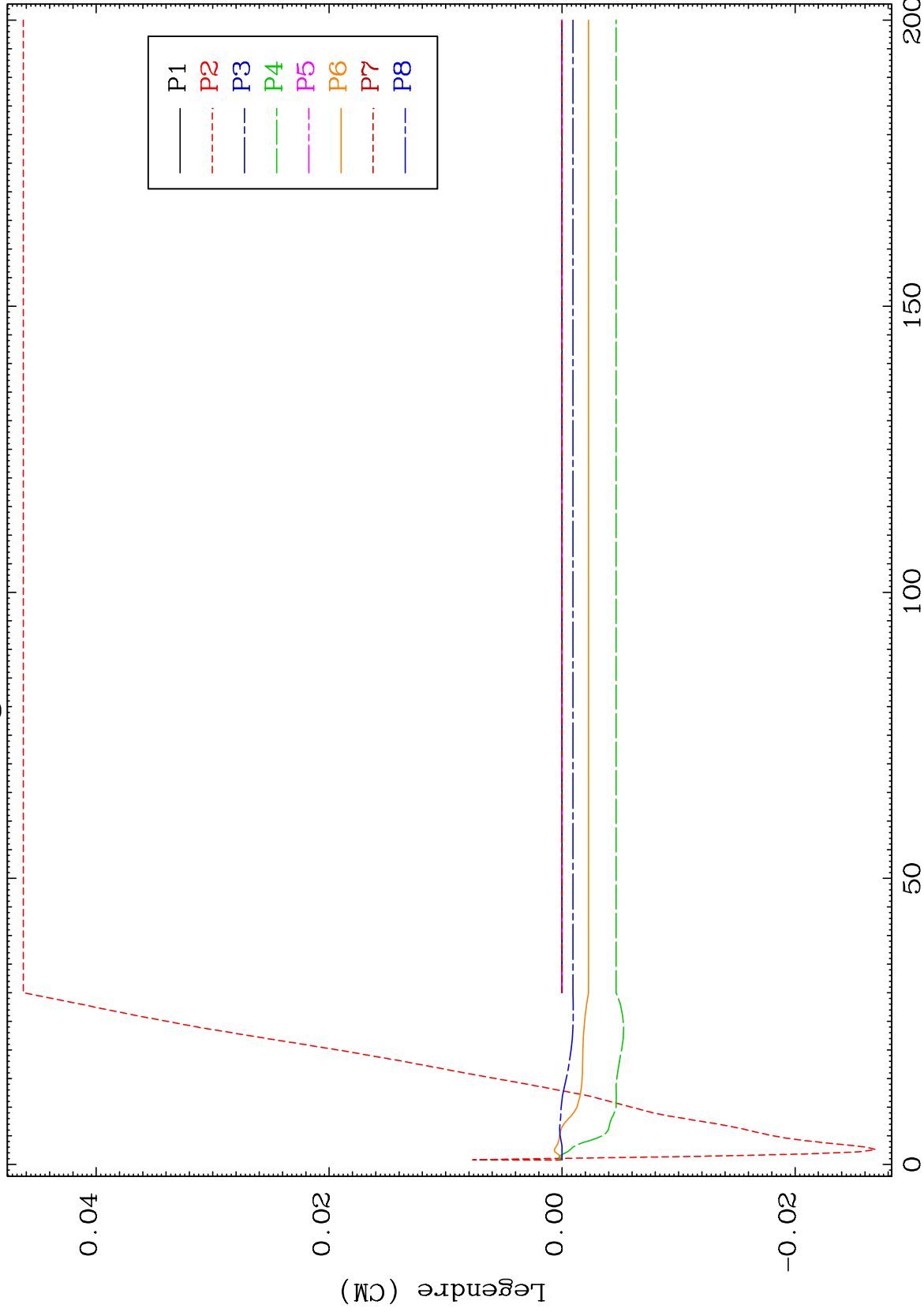
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



68

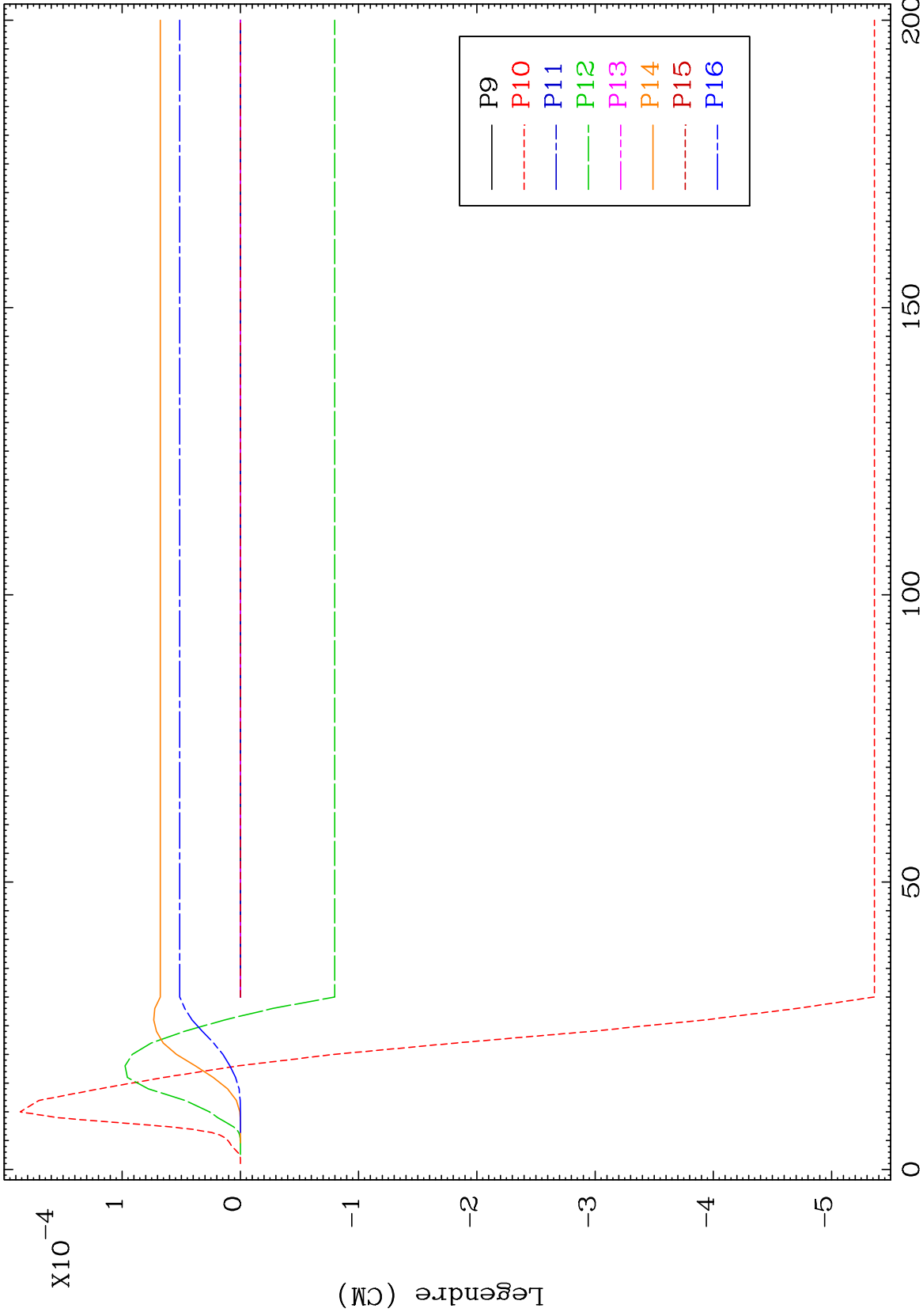
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210

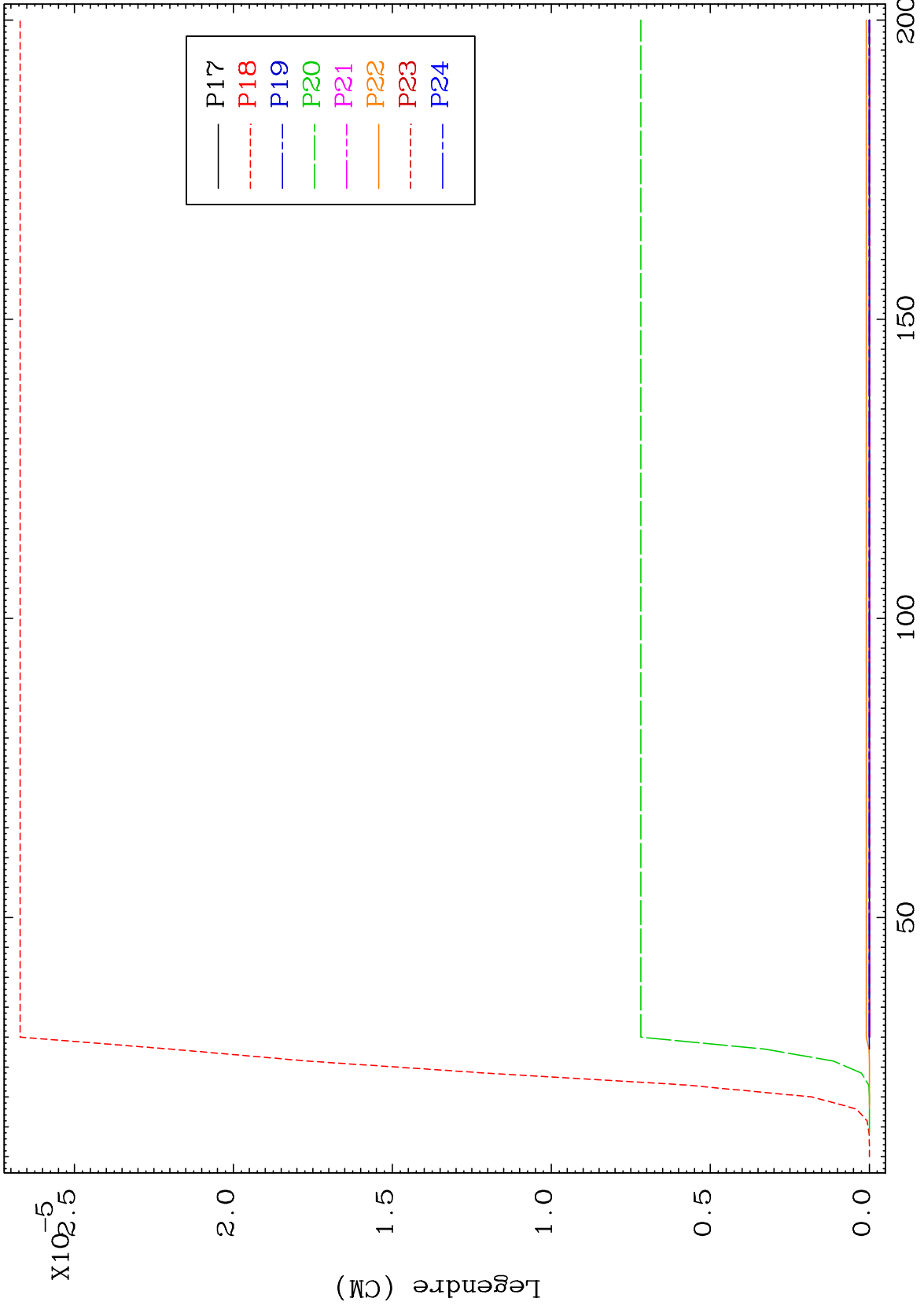


69

Incident Energy (MeV)

87-Fr-210

MAT 8719 MT= 65 (n,n') Level Legendre Coefficients 87-Fr-210

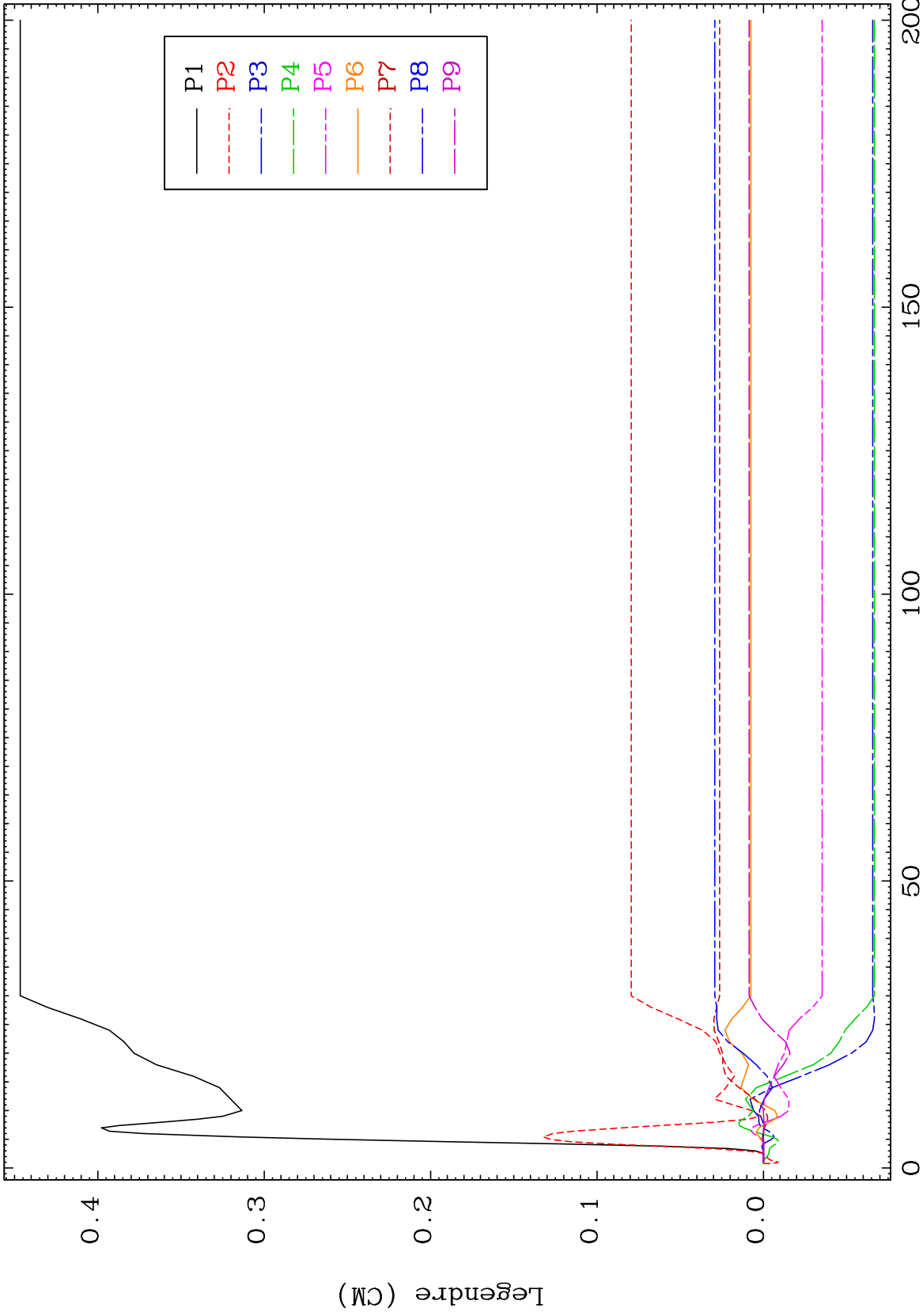


87-Fr-210

MAT 8719

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

87-Fr-210



71

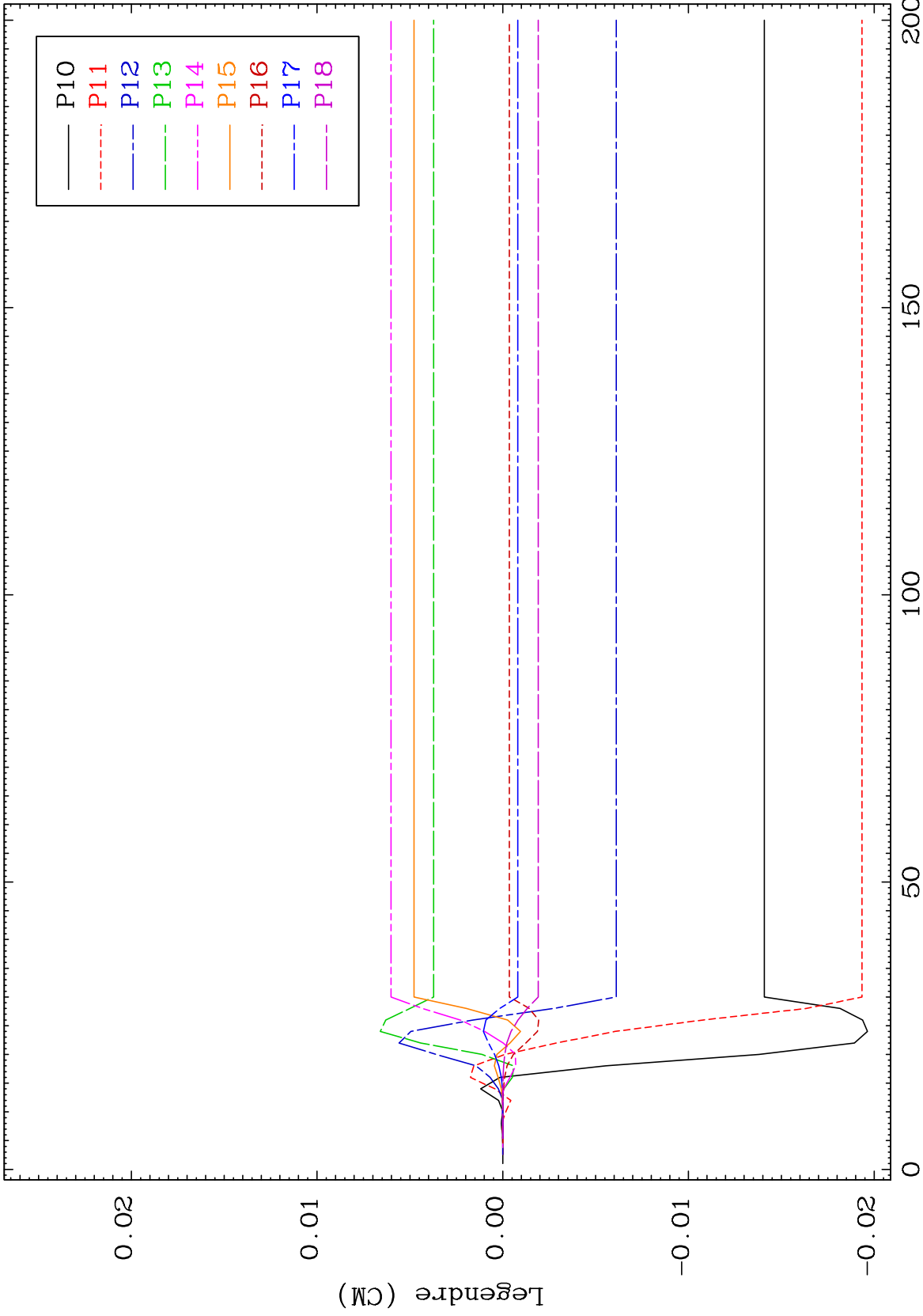
87-Fr-210



MAT 8719

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

87-Fr-210



72

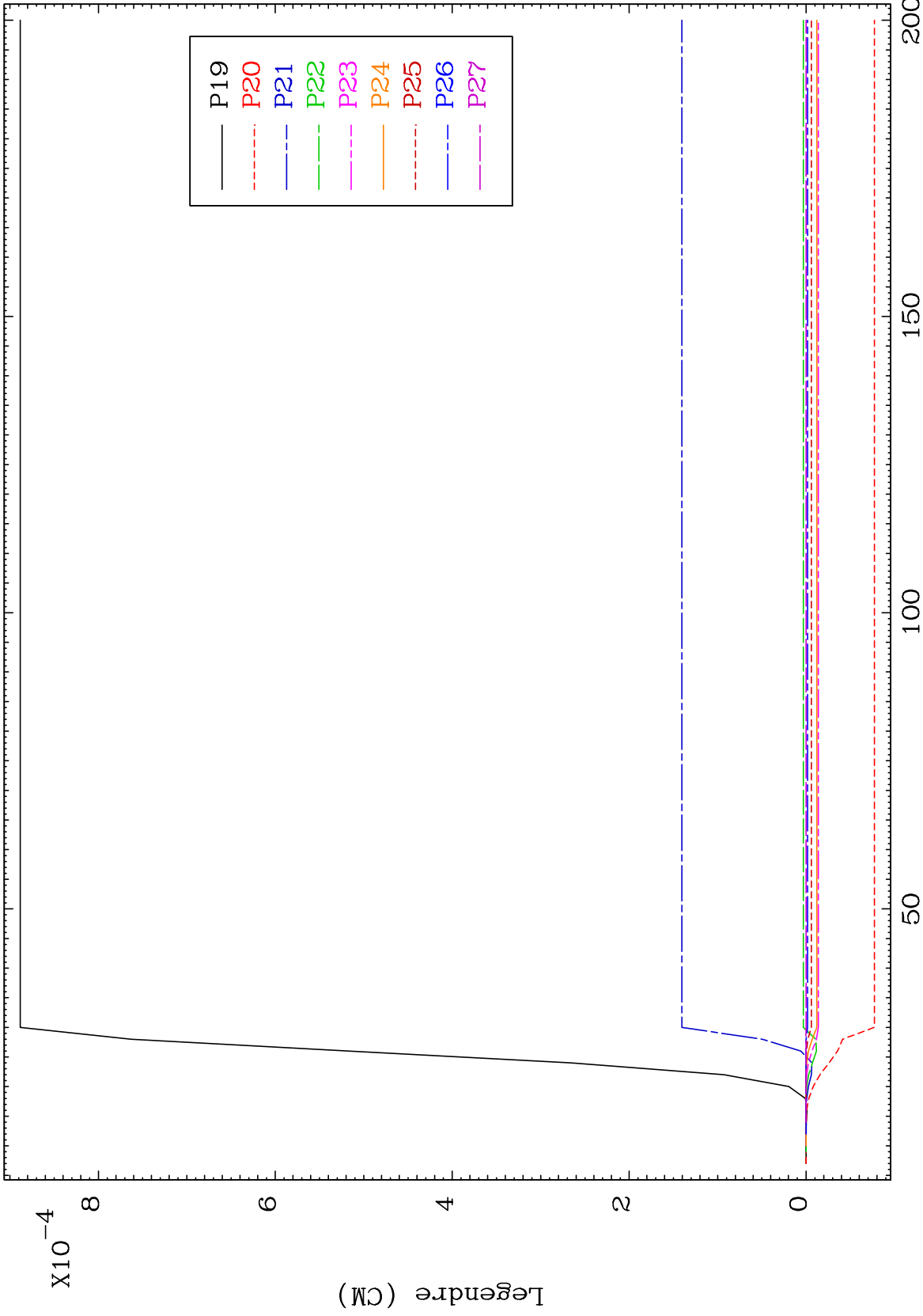
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



73

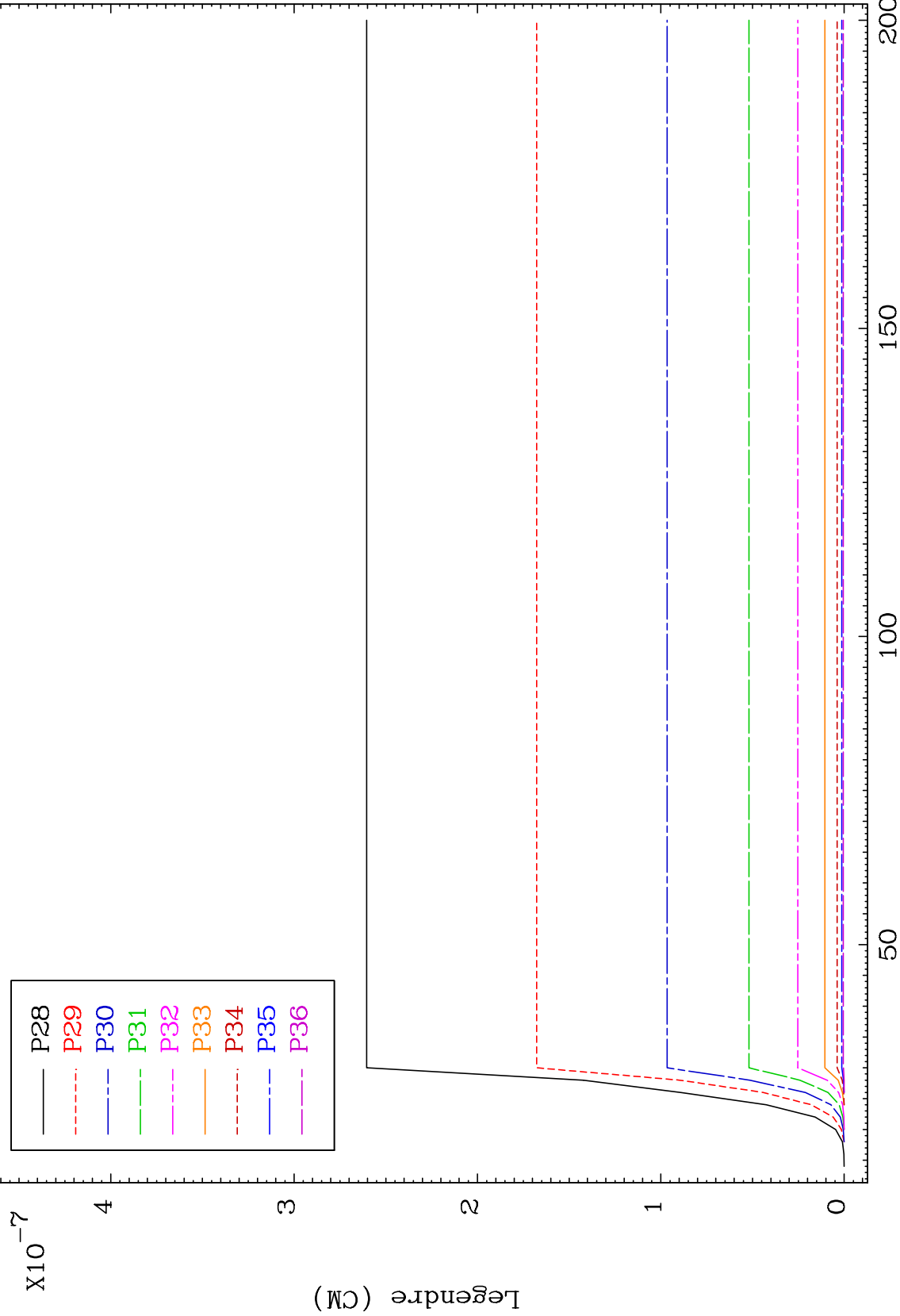
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



74

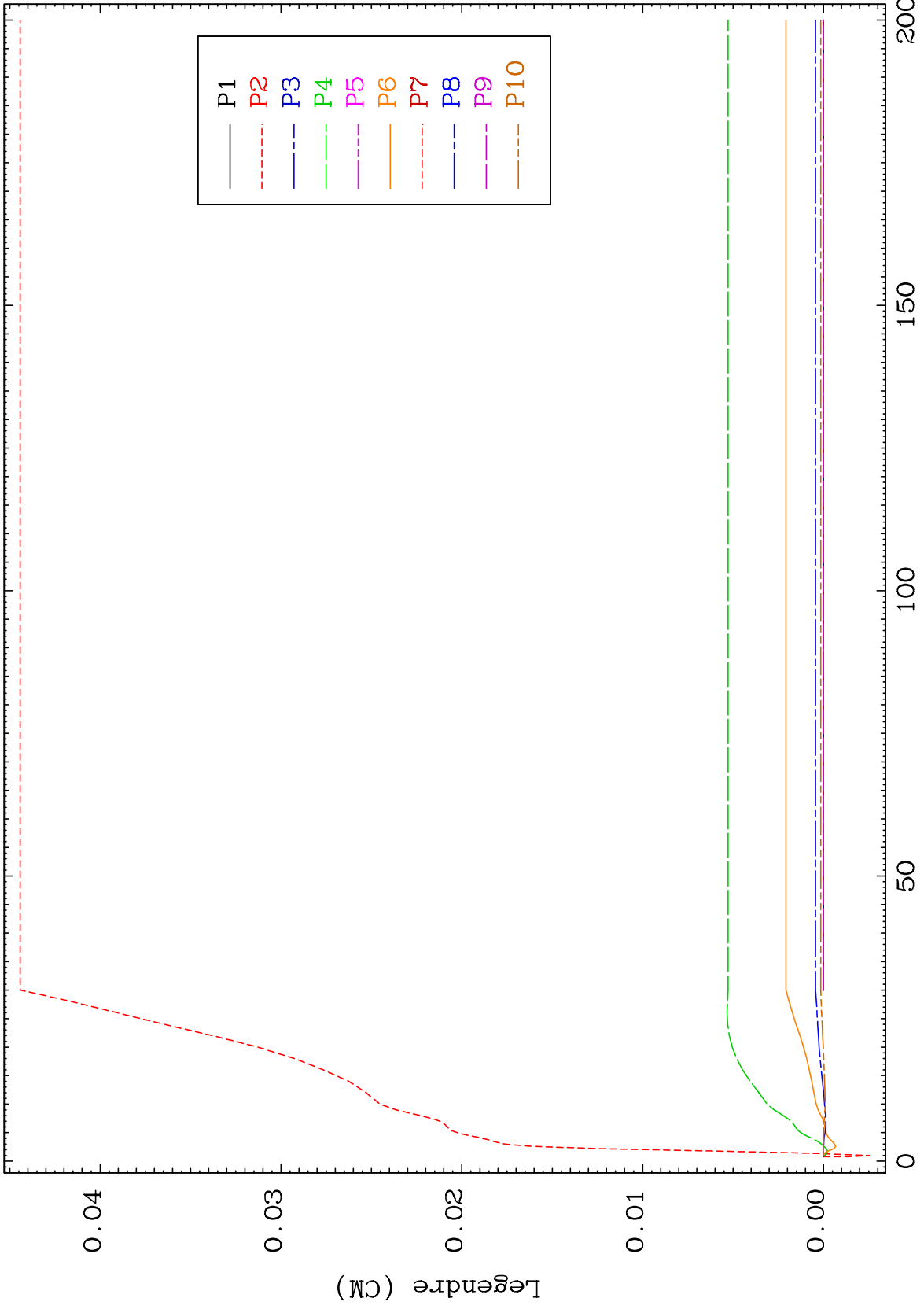
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



75

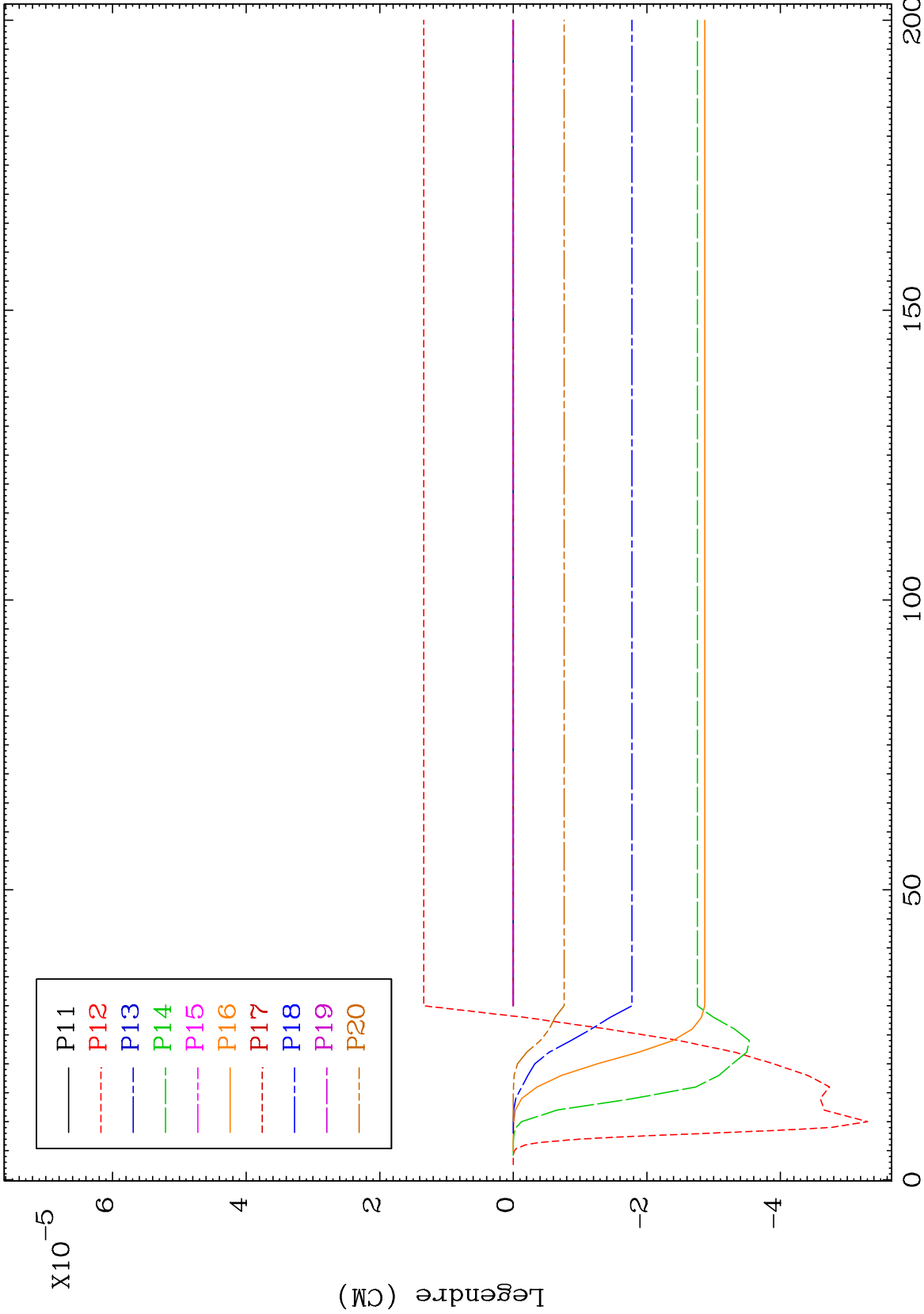
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



76

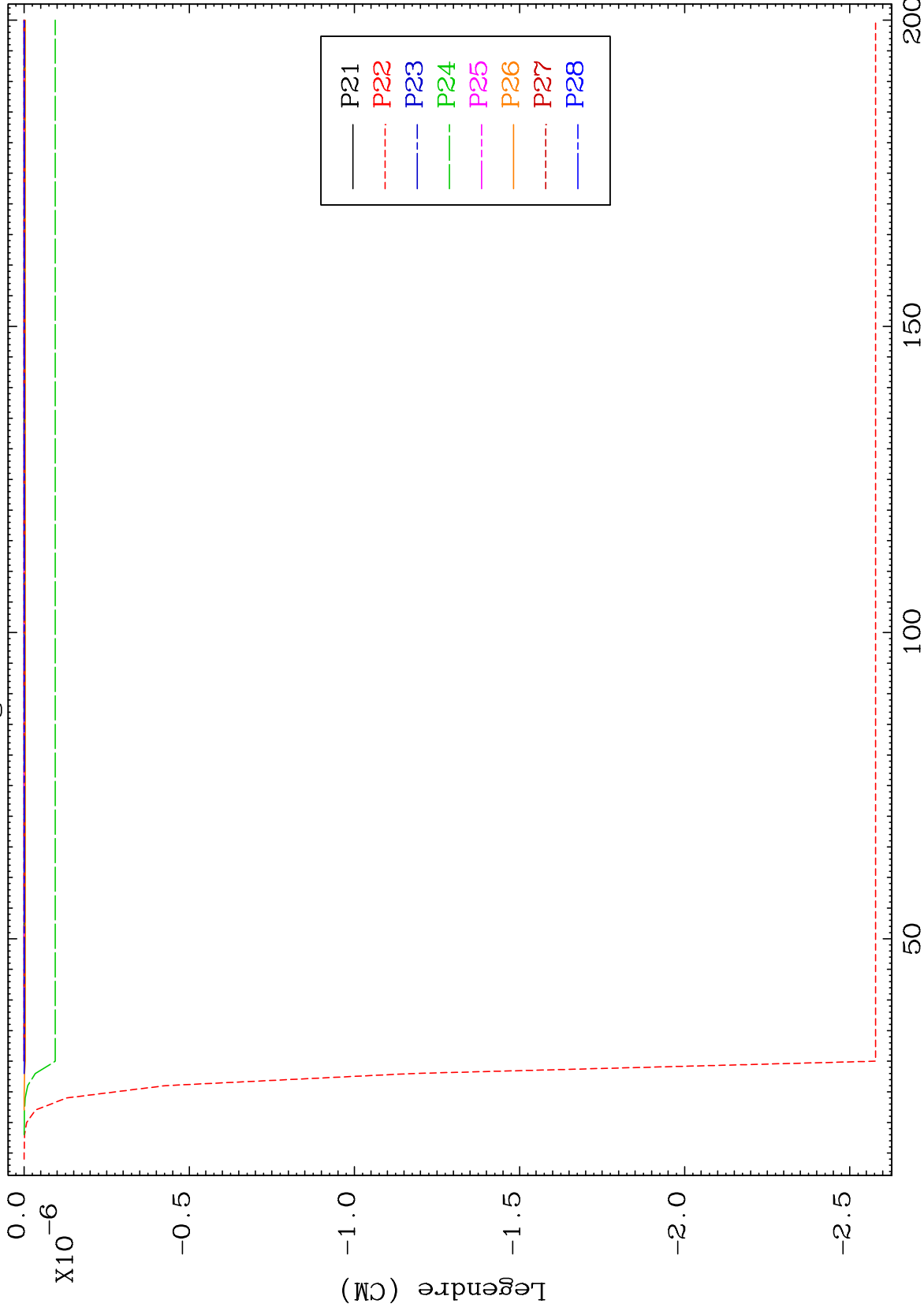
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



77

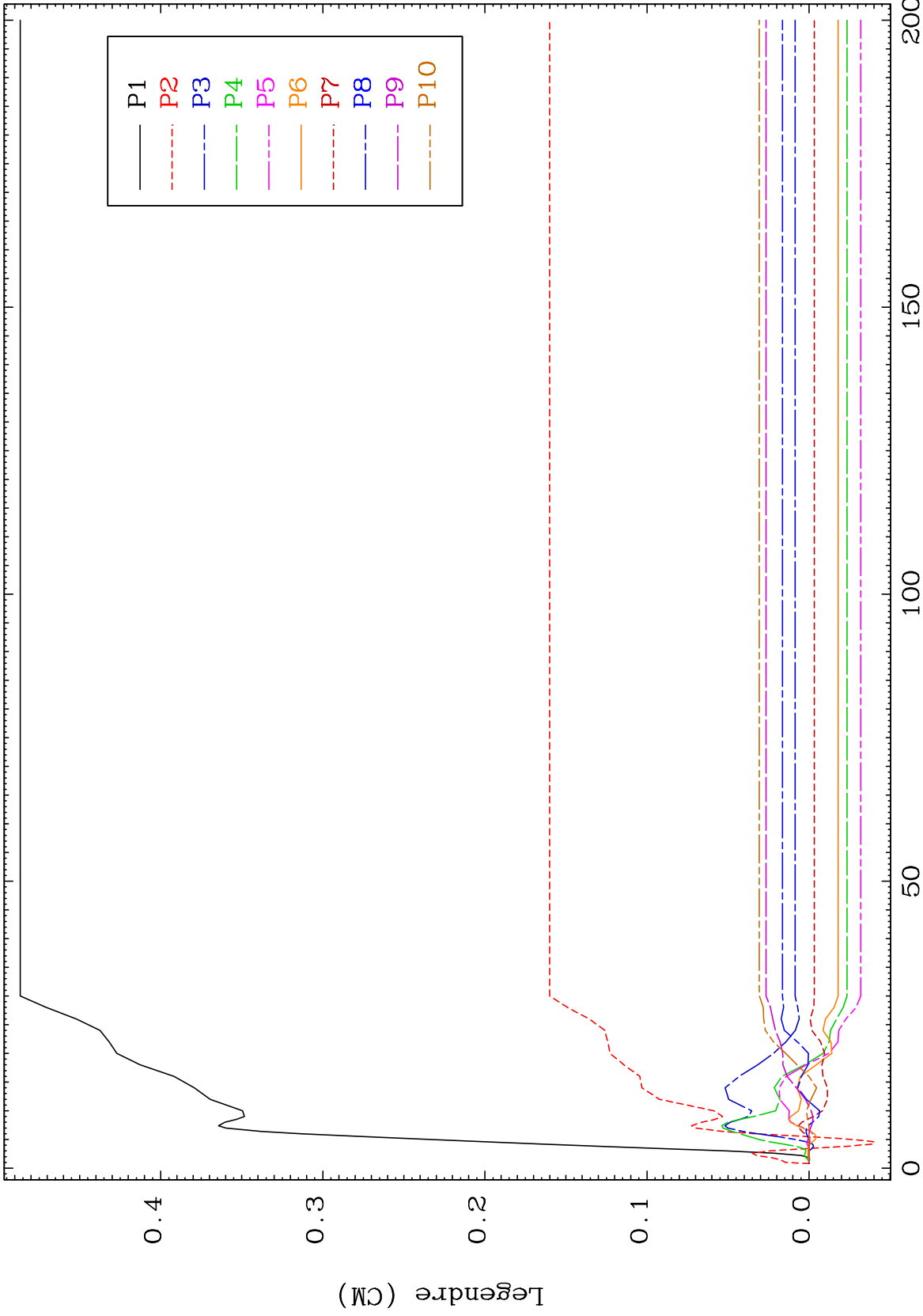
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



78

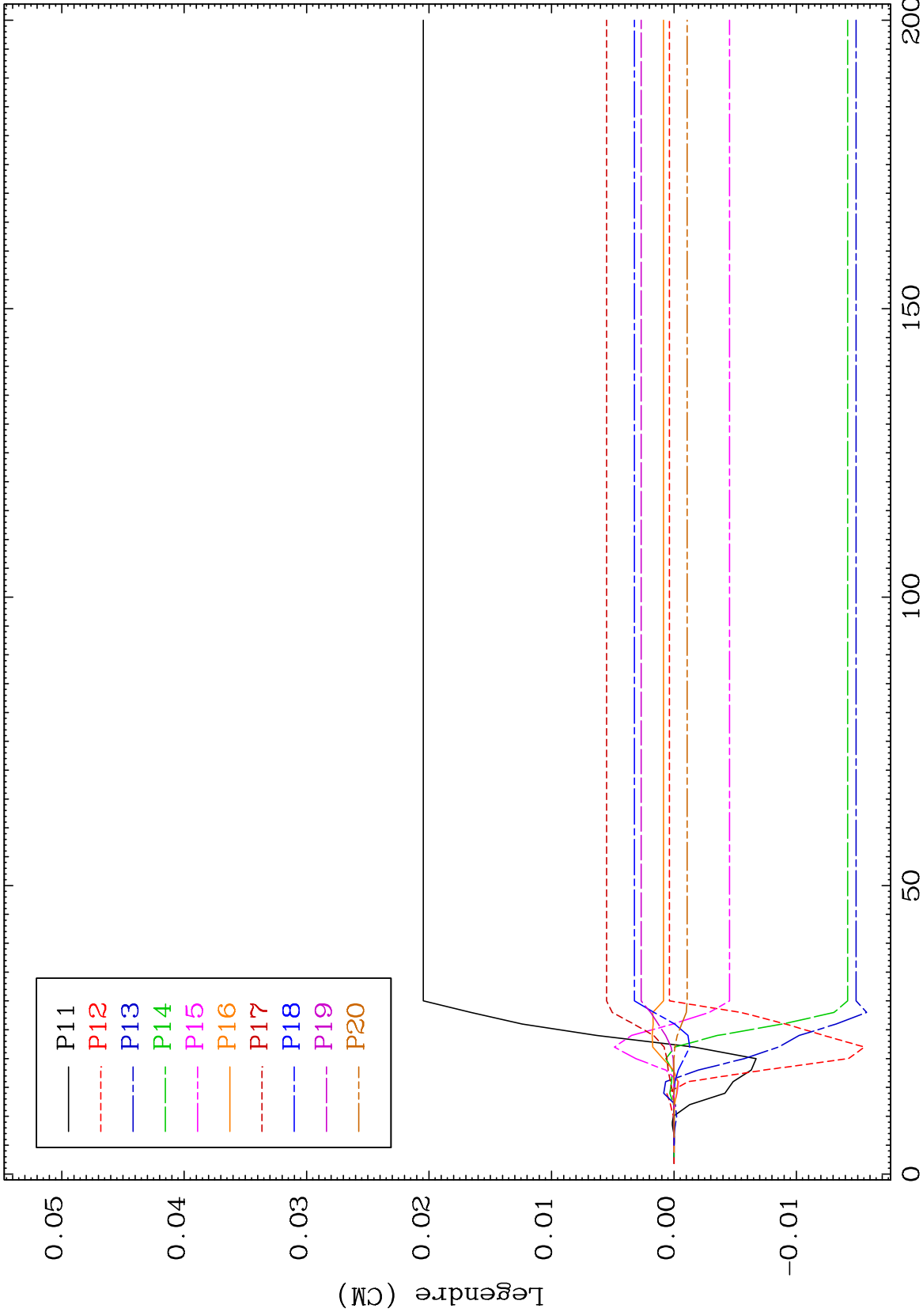
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



79

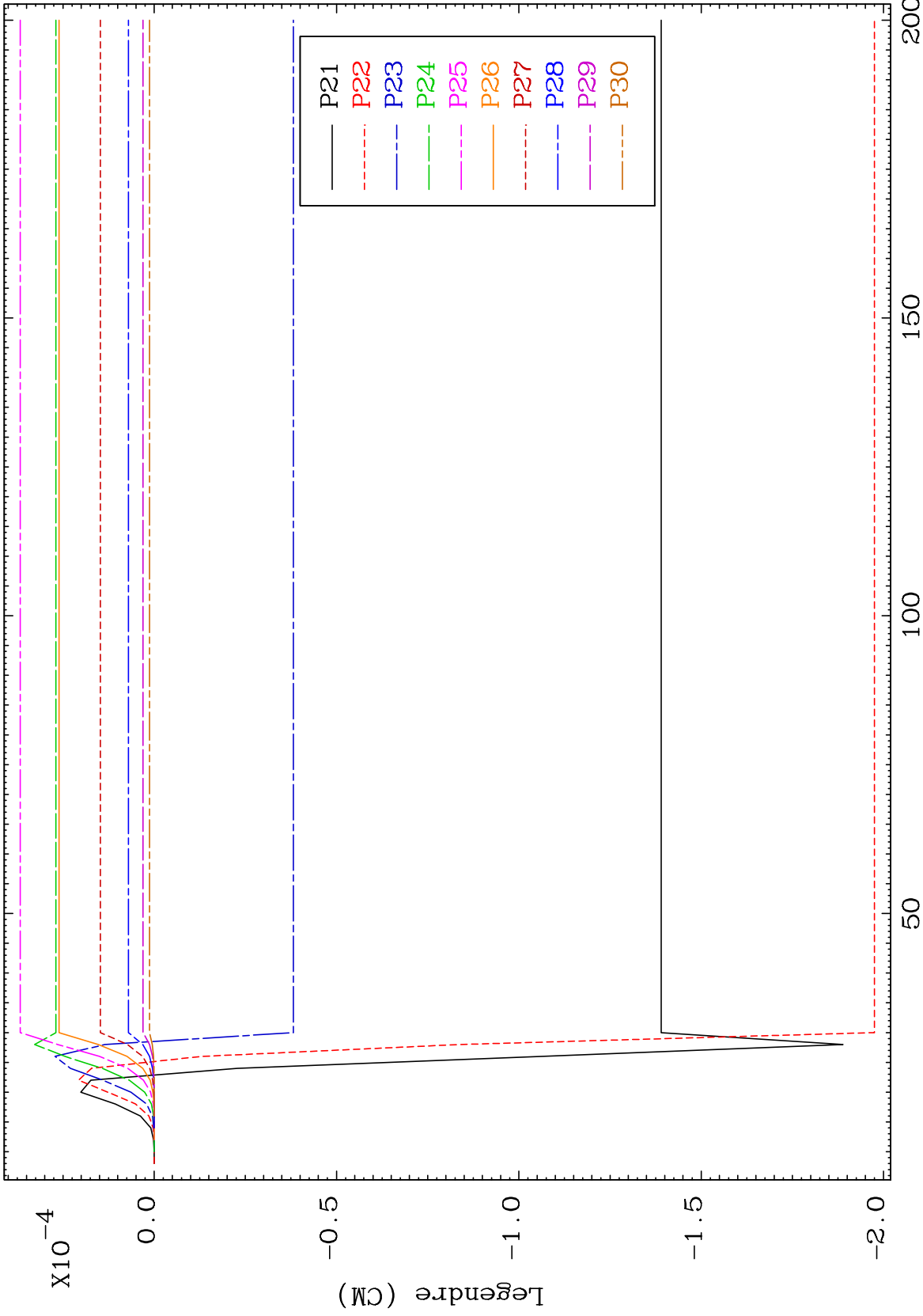
87-Fr-210



MAT 8719

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

87-Fr-210



80

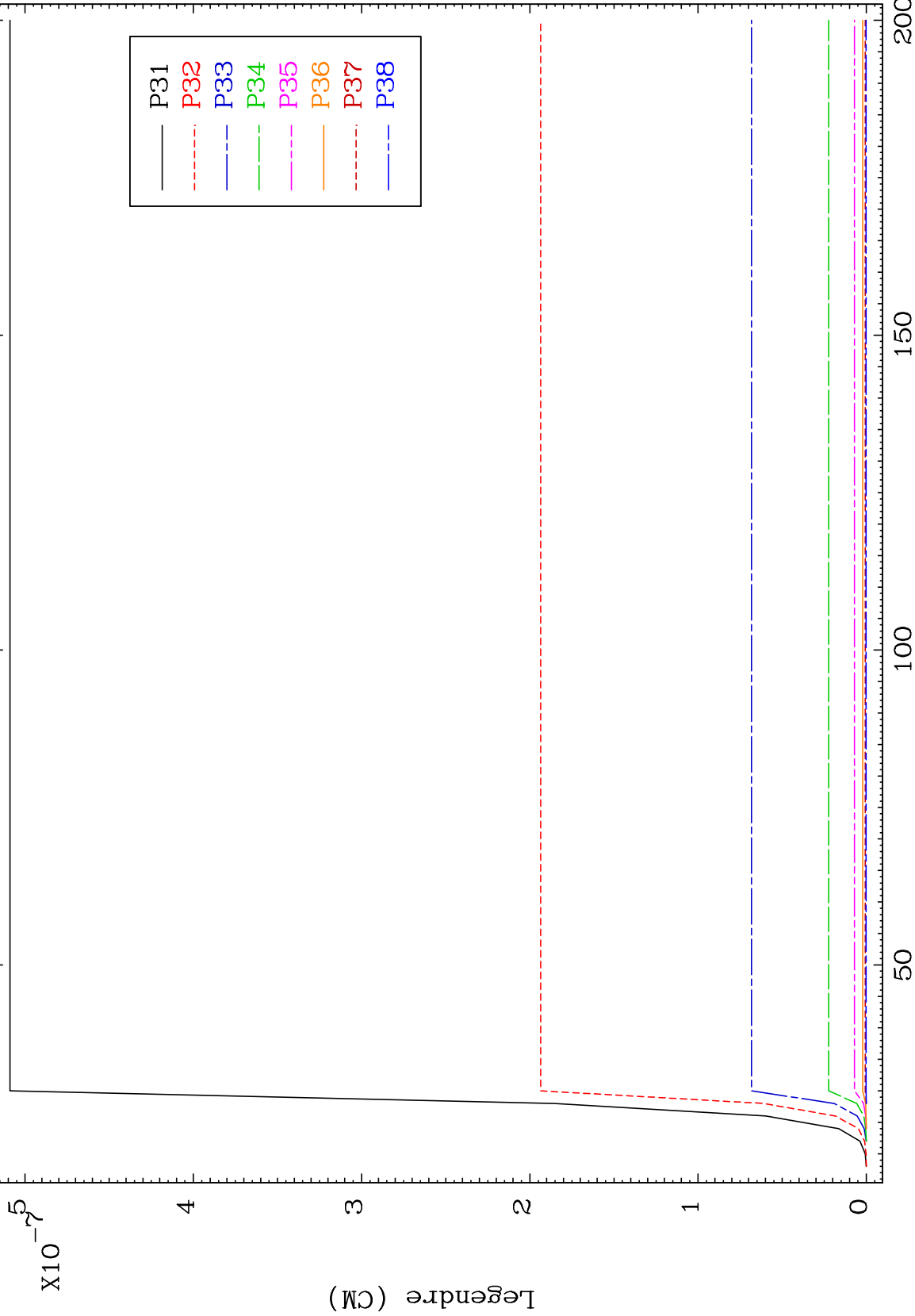
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



81

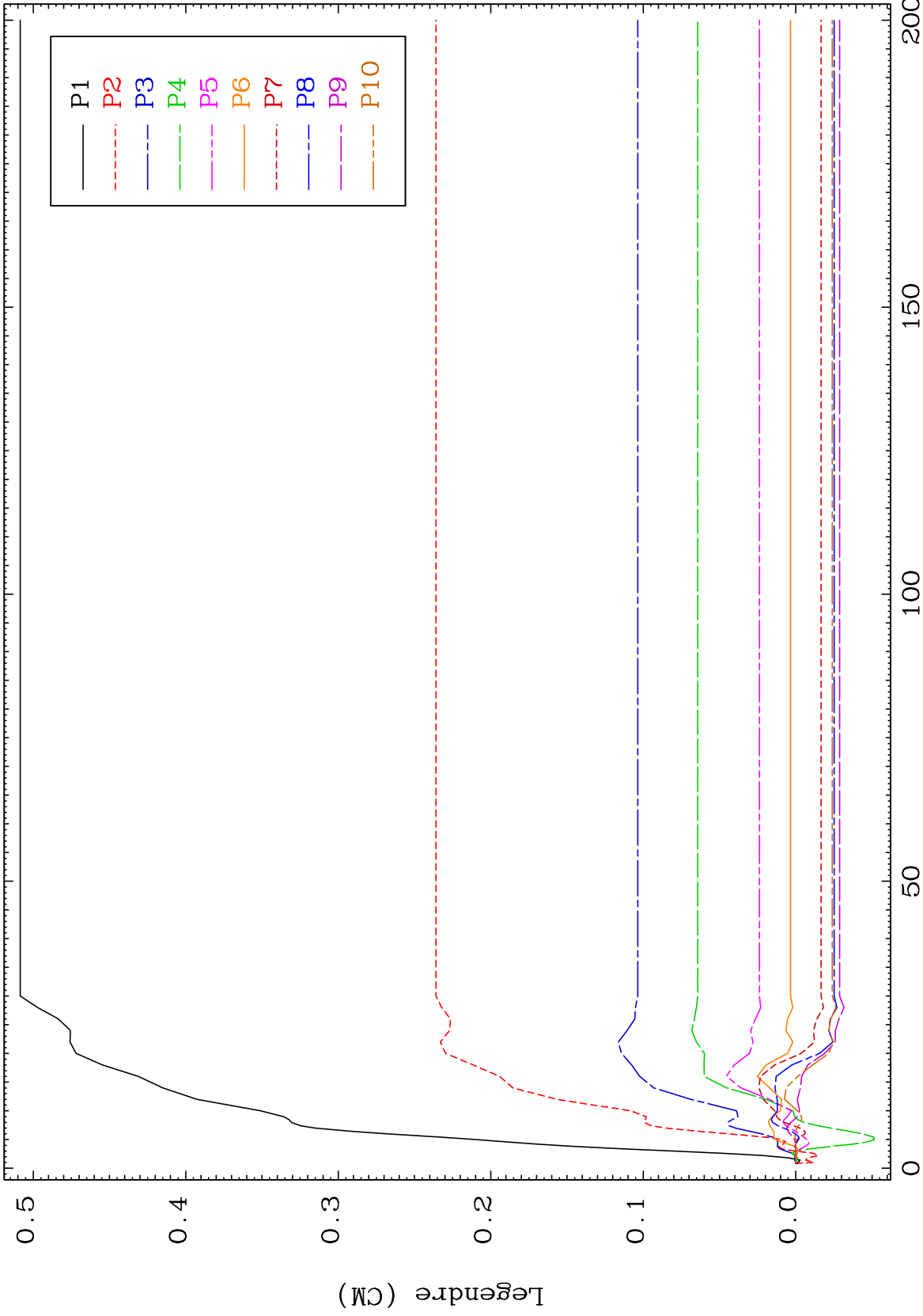
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



82

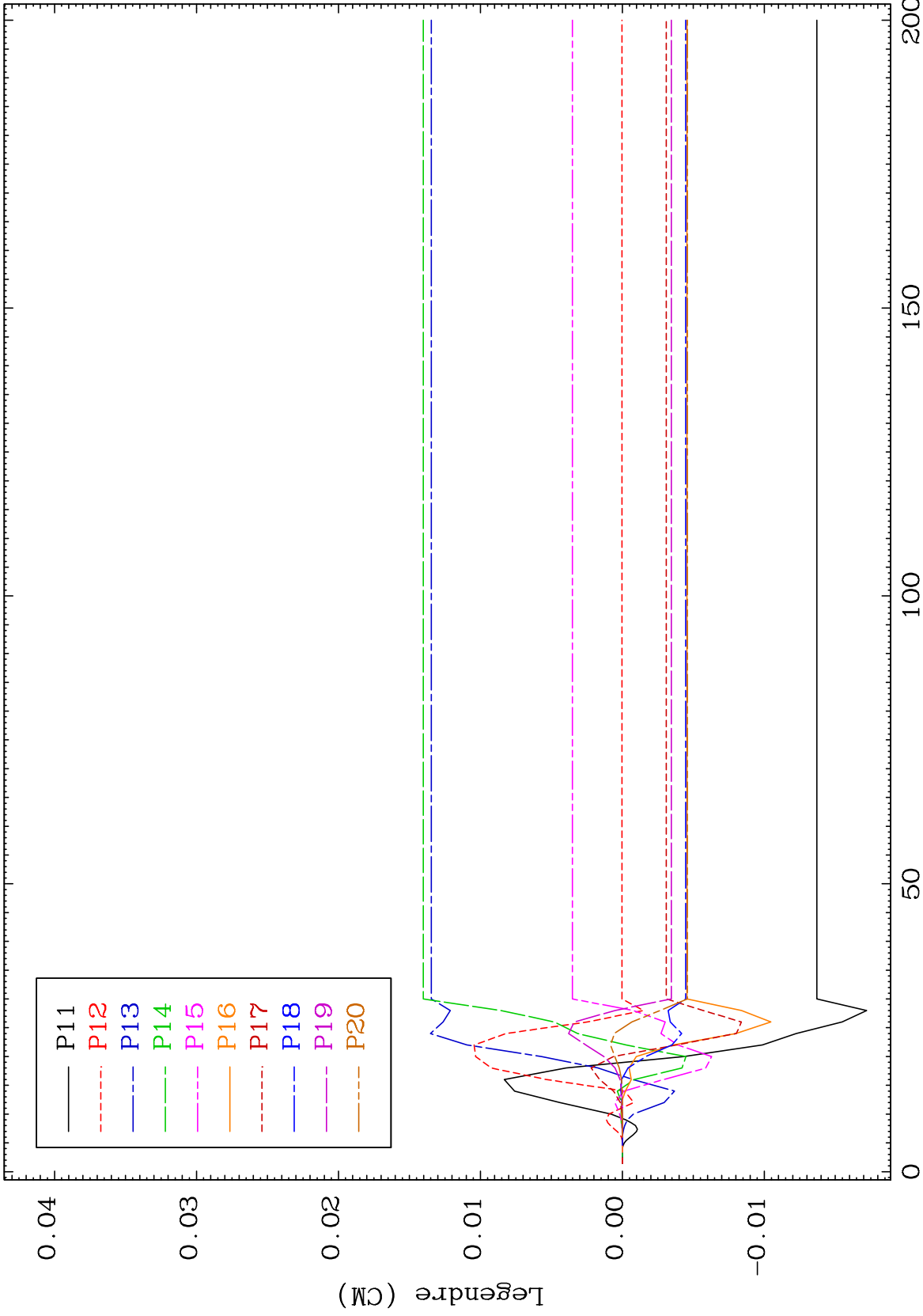
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



83

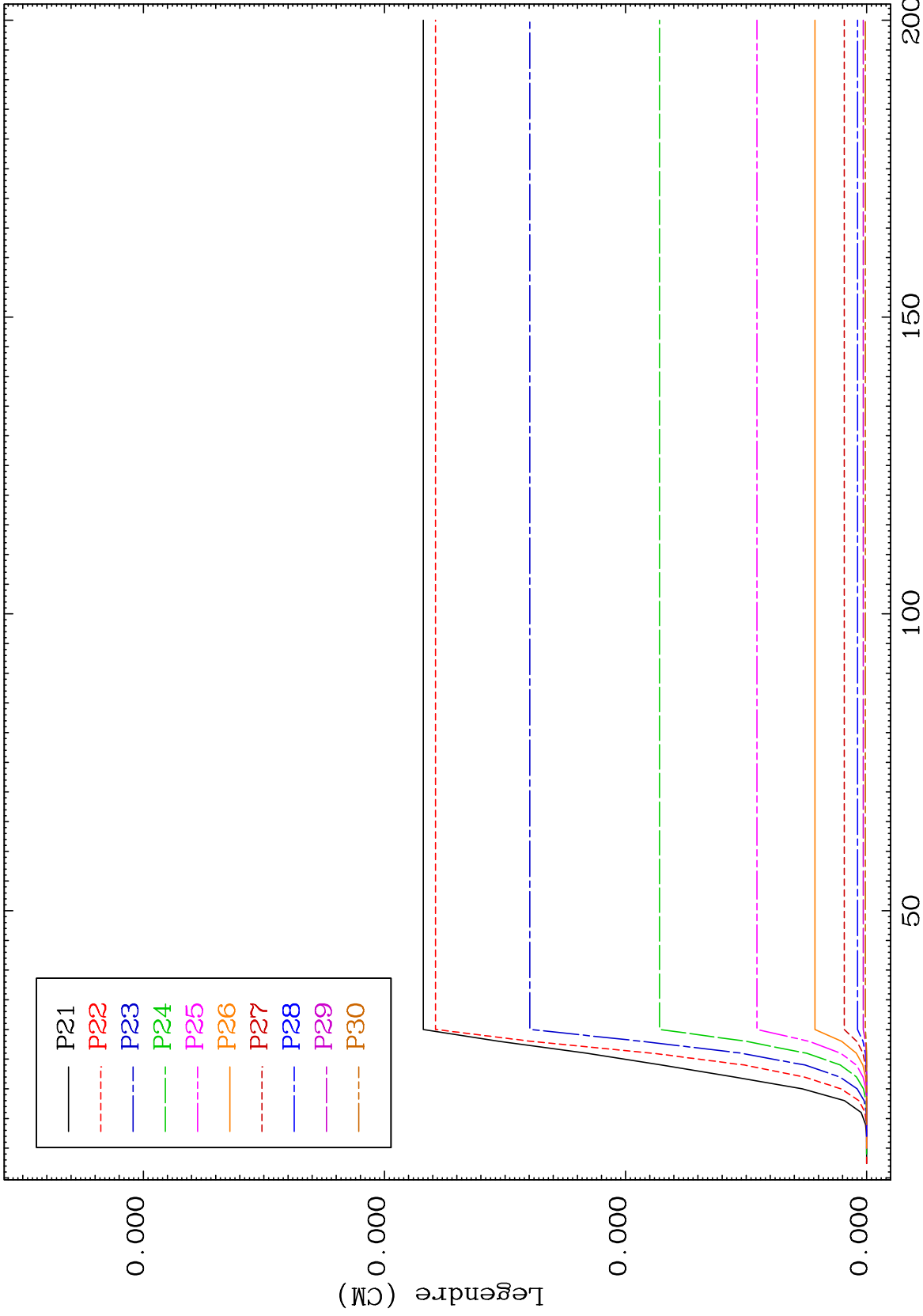
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



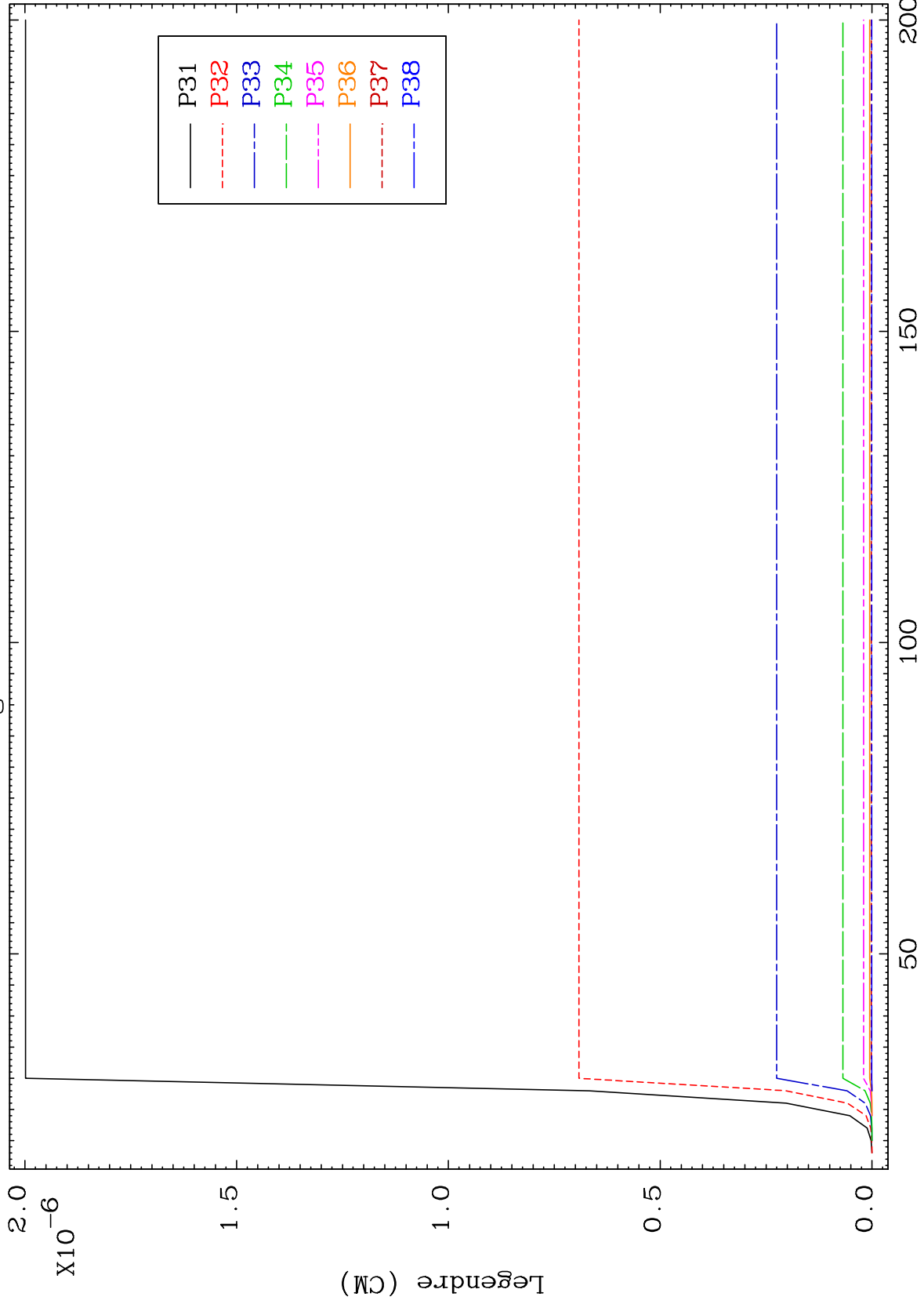
84

87-Fr-210

MAT 8719

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

87-Fr-210



85

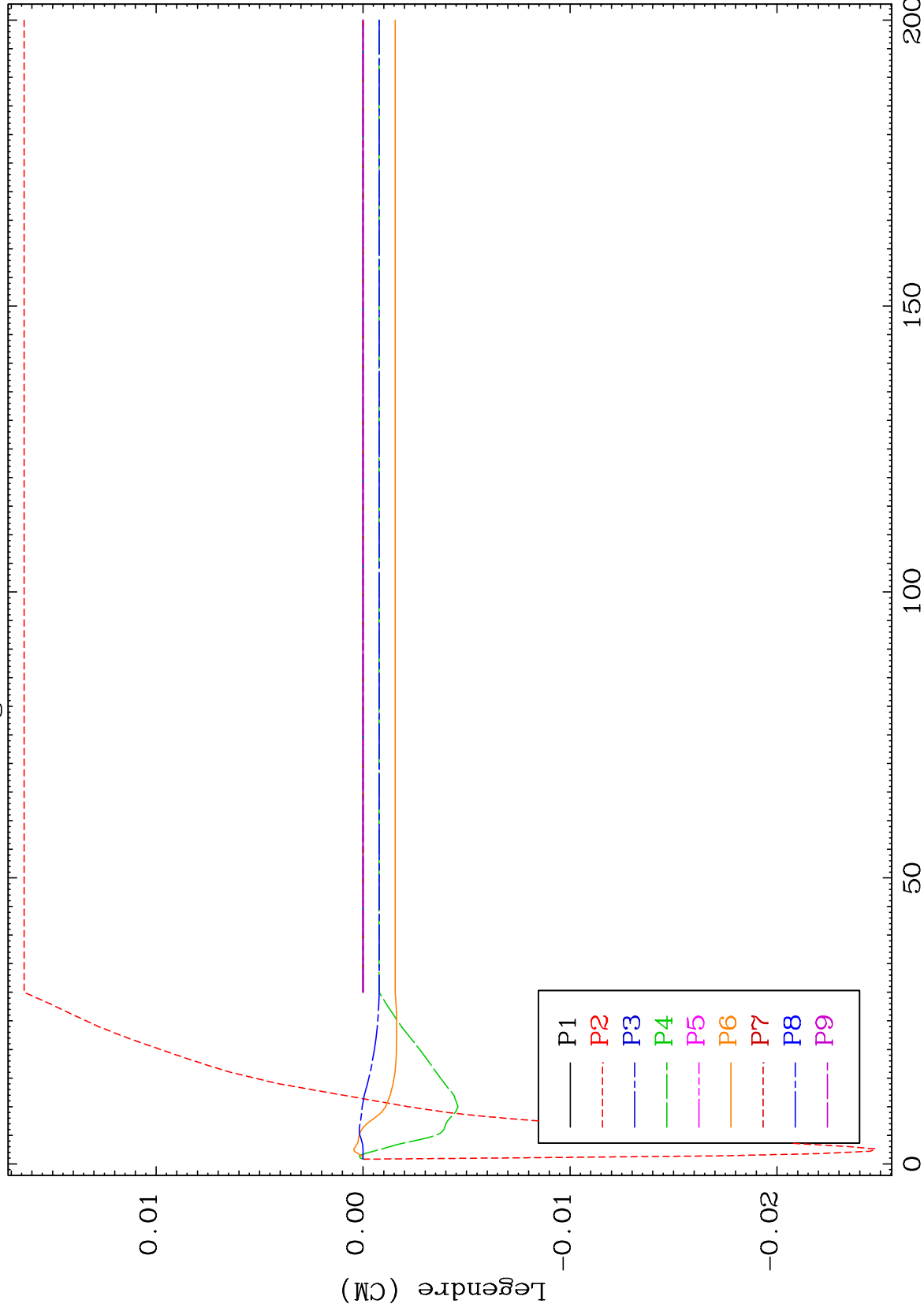
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



86

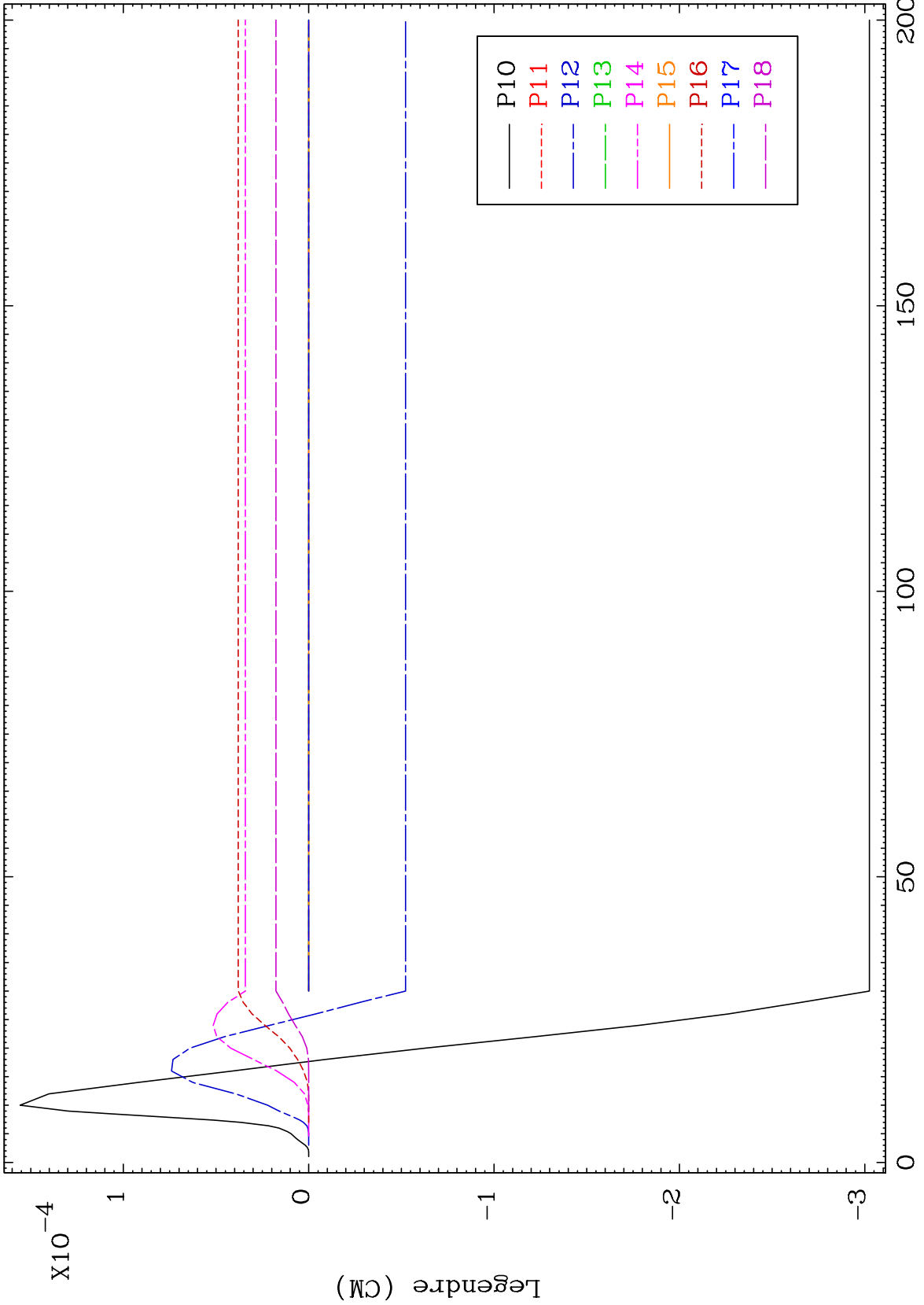
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



87

Incident Energy (MeV)

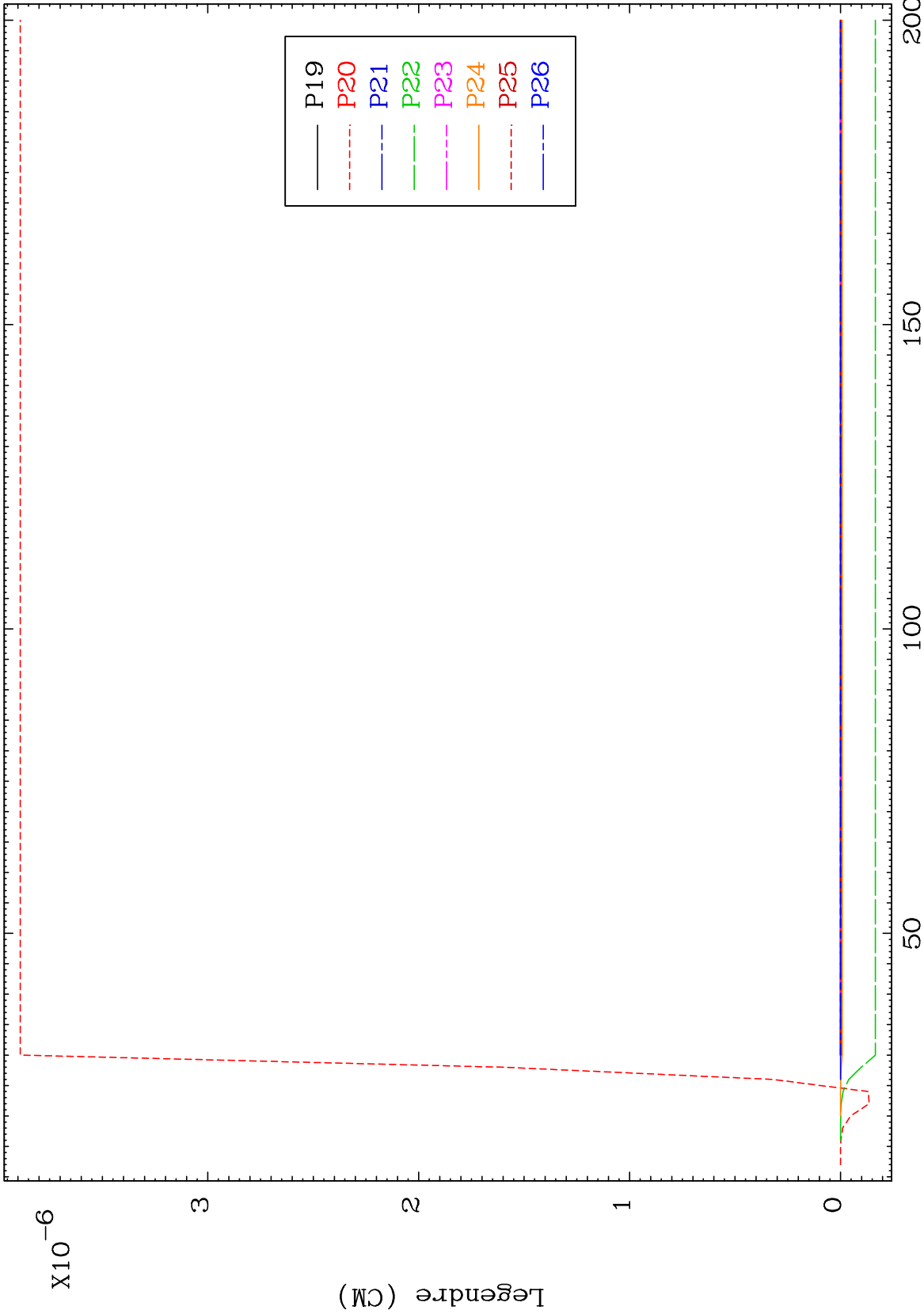
87-Fr-210



MAT 8719

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

87-Fr-210

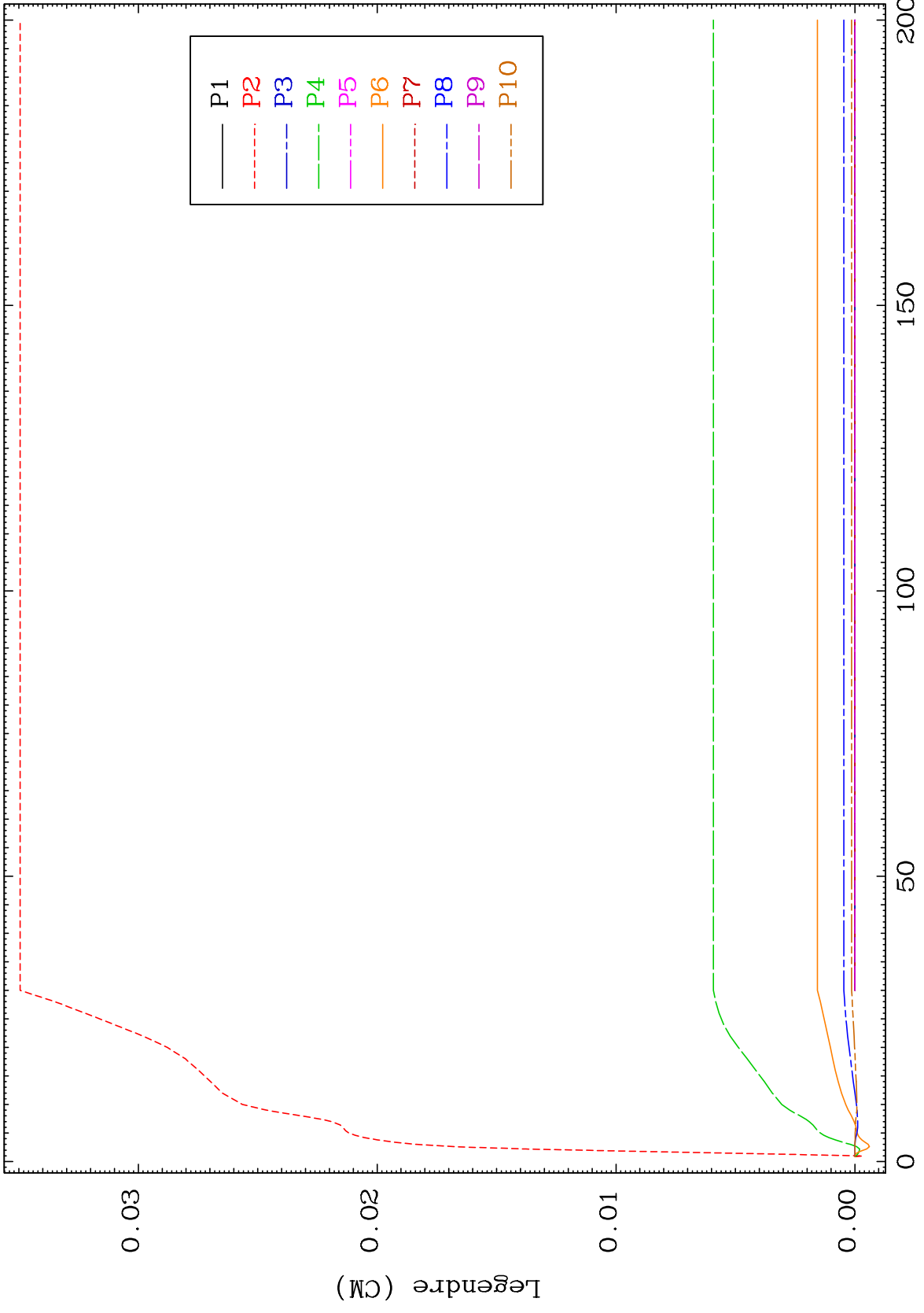


88

Incident Energy (MeV)

87-Fr-210

MAT 8719 MT= 71 (n,n') Level Legendre Coefficients 87-Fr-210

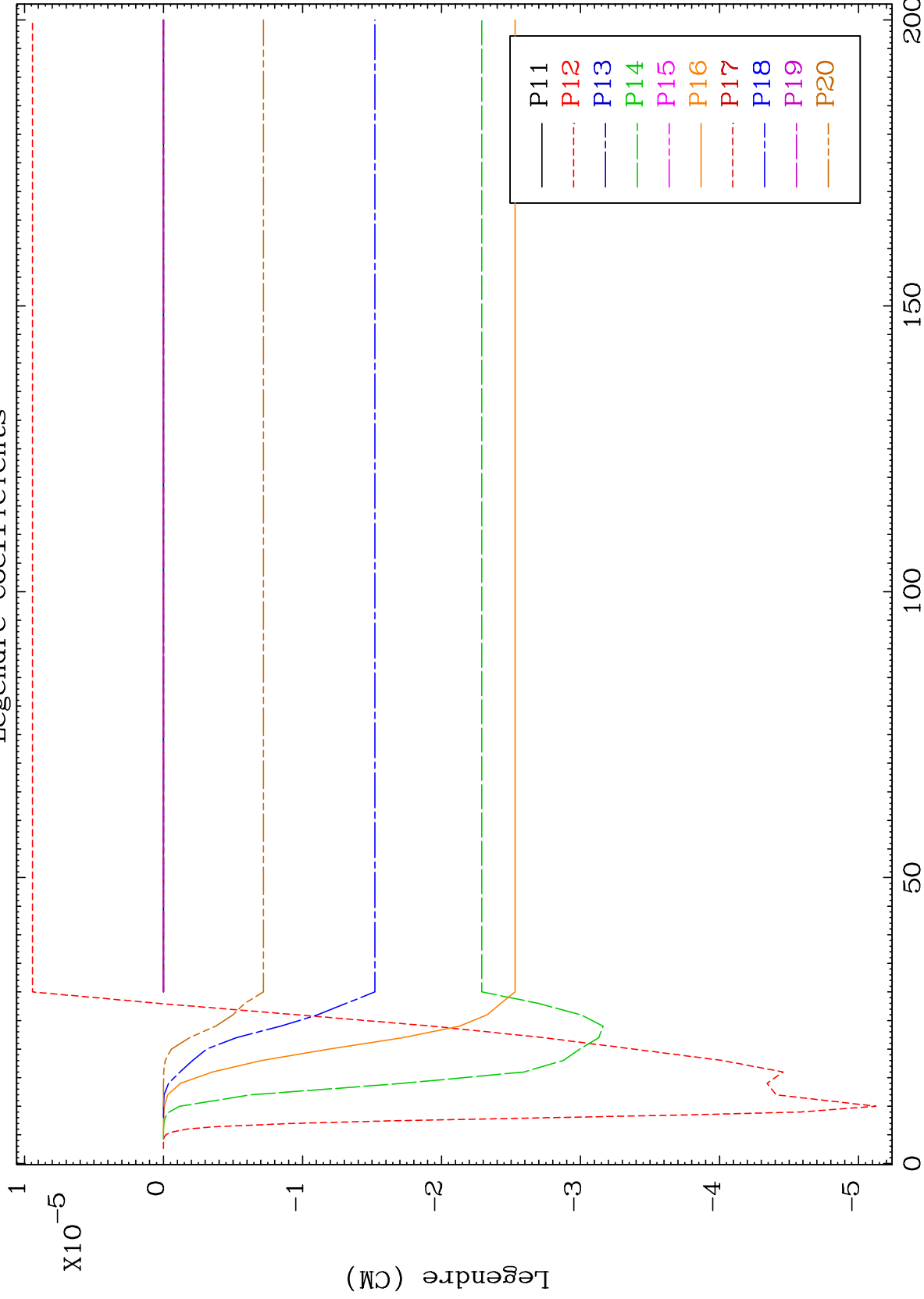


89 87-Fr-210

MAT 8719

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

87-Fr-210



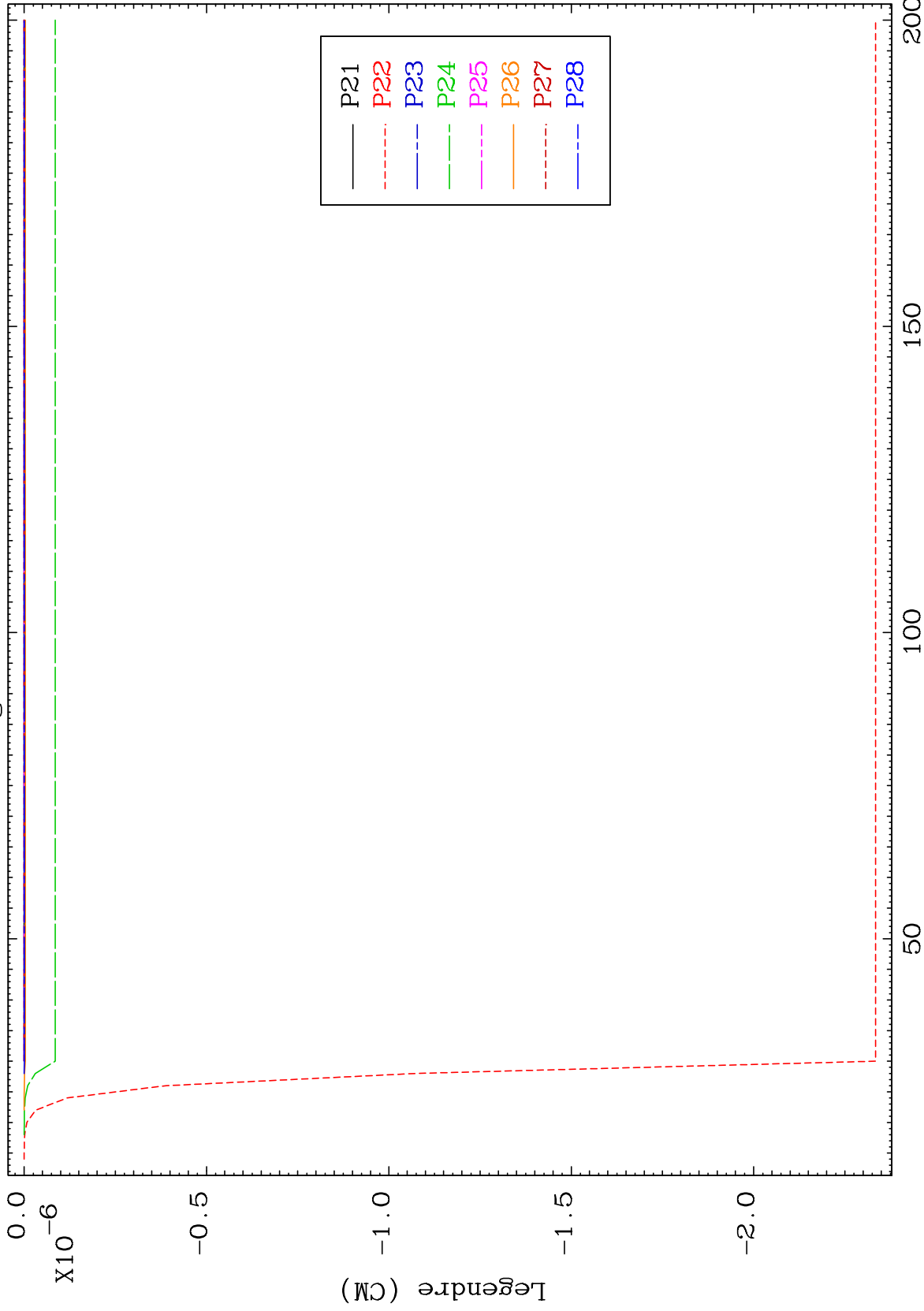
87-Fr-210

87-Fr-210

MAT 8719

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

87-Fr-210



91

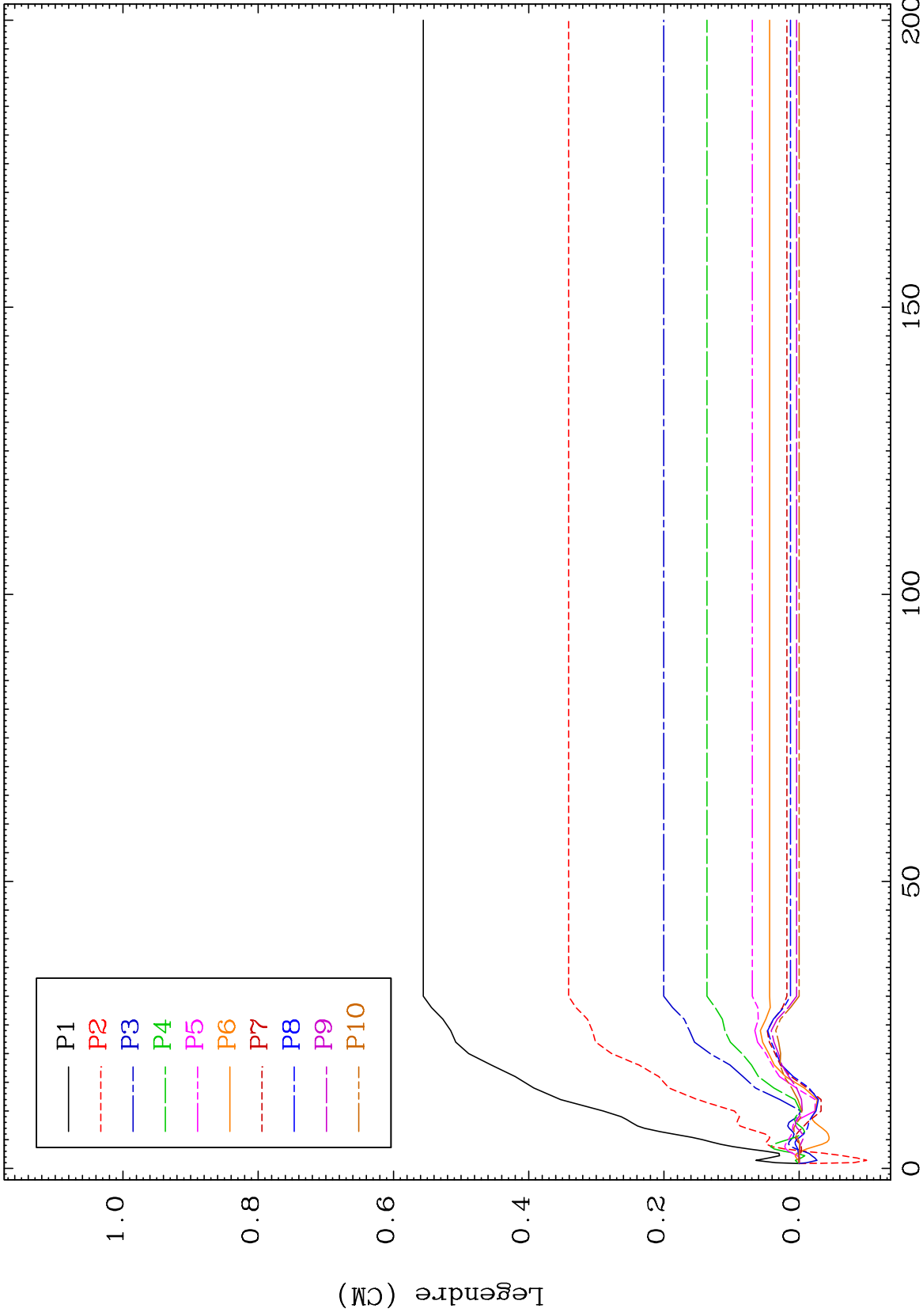
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



92

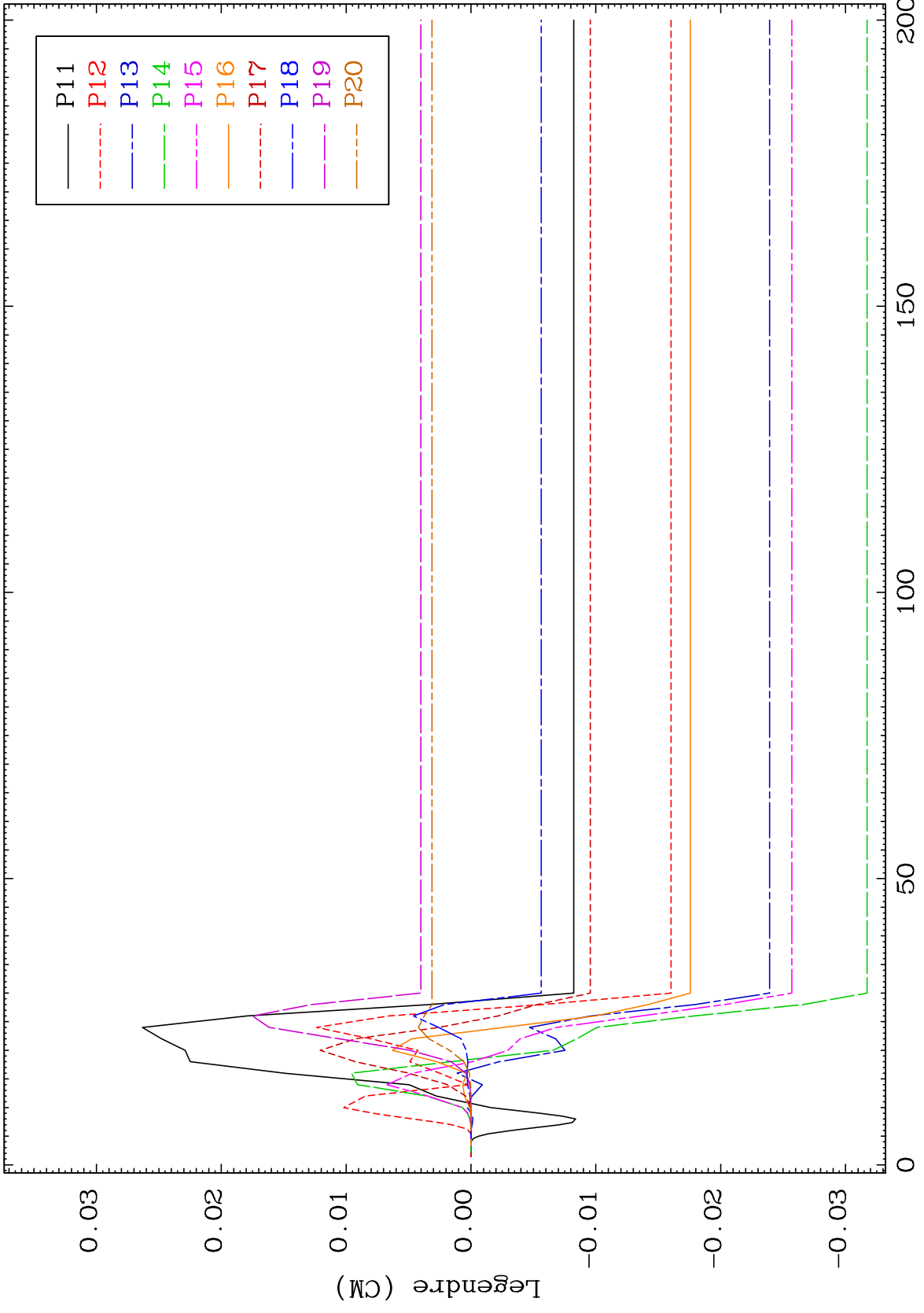
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

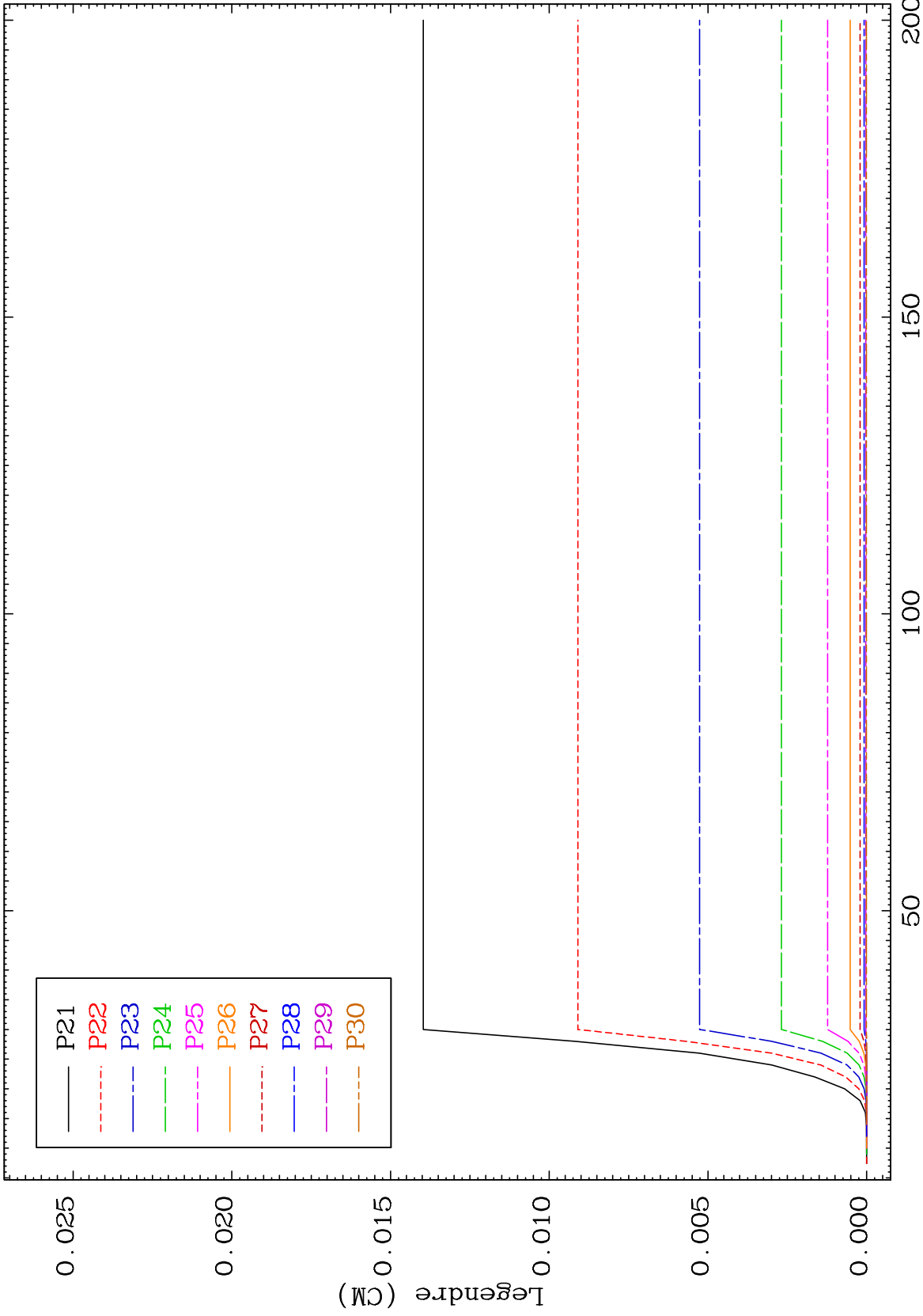
87-Fr-210



93

Incident Energy (MeV)

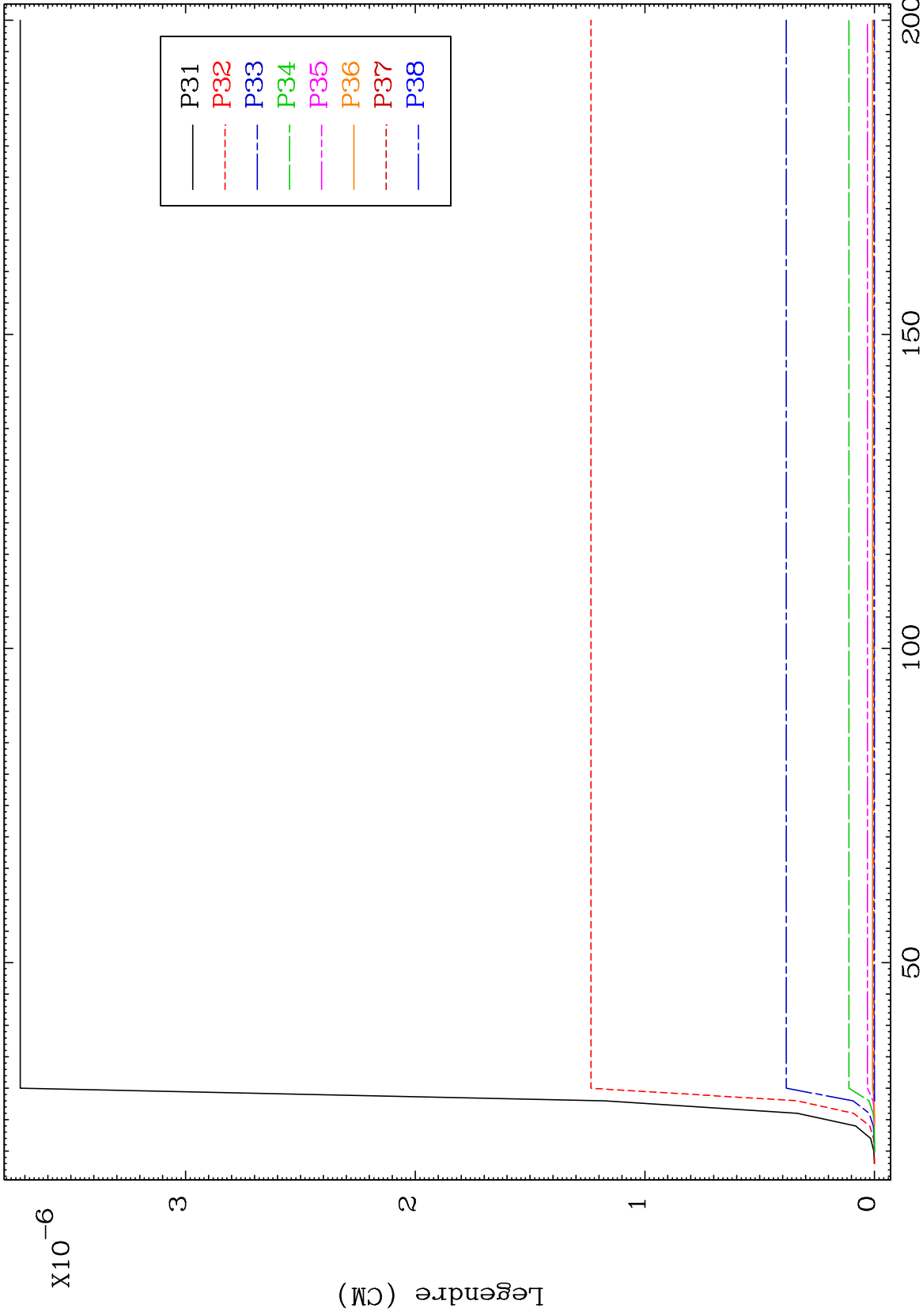
87-Fr-210



MAT 8719

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

87-Fr-210



95

Incident Energy (MeV)

50

100

150

200

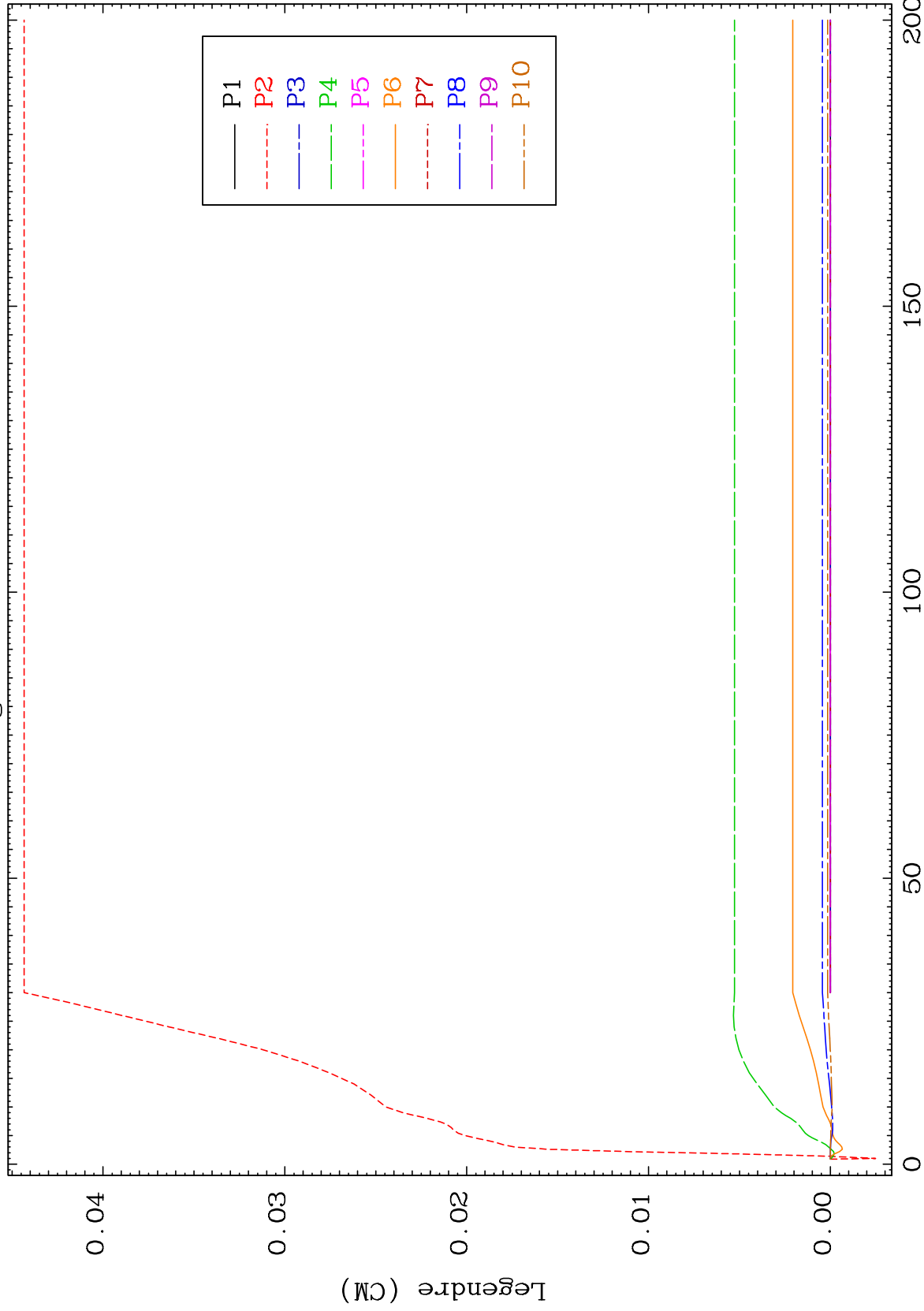
87-Fr-210



MAT 8719

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

87-Fr-210



96

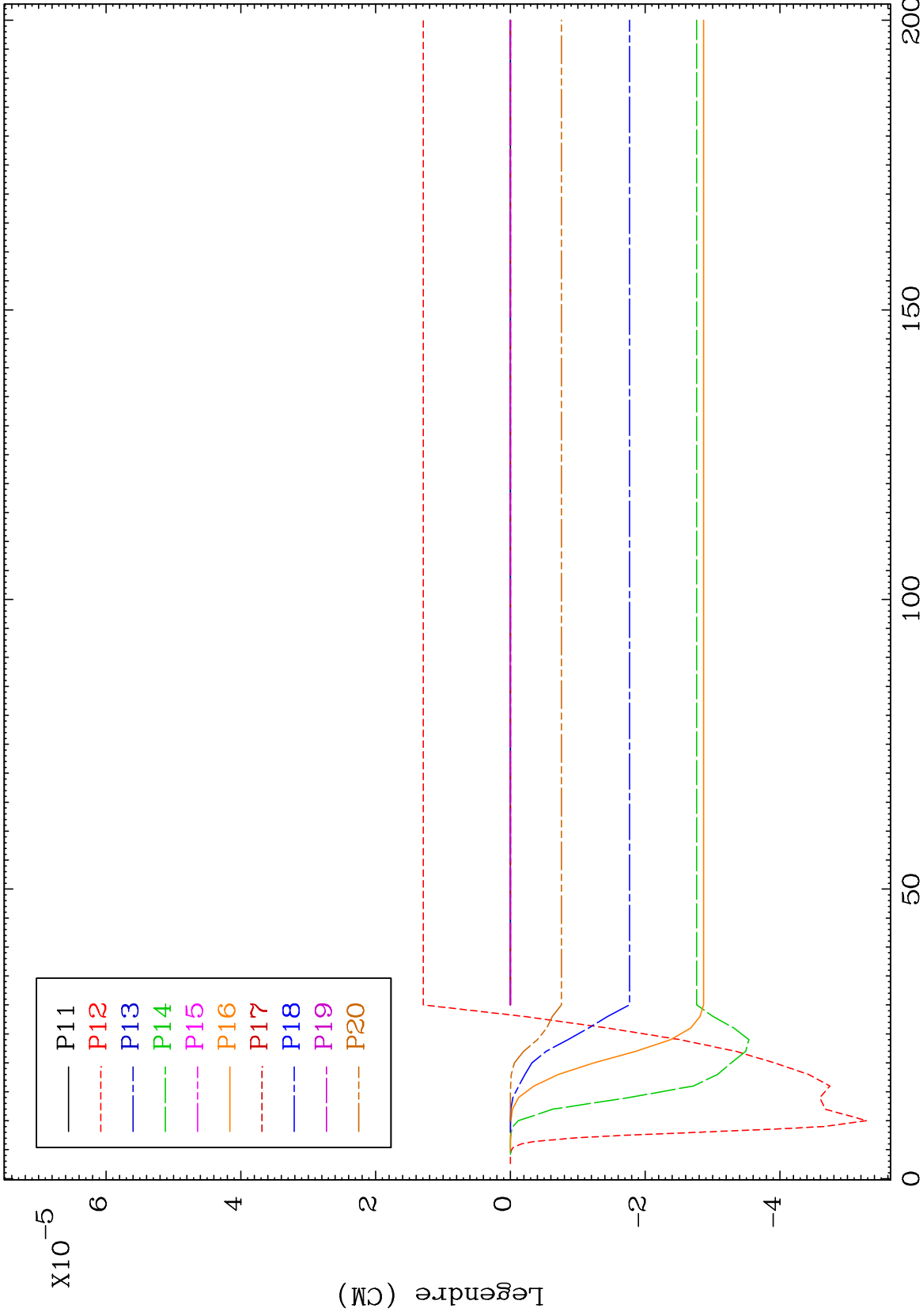
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



97

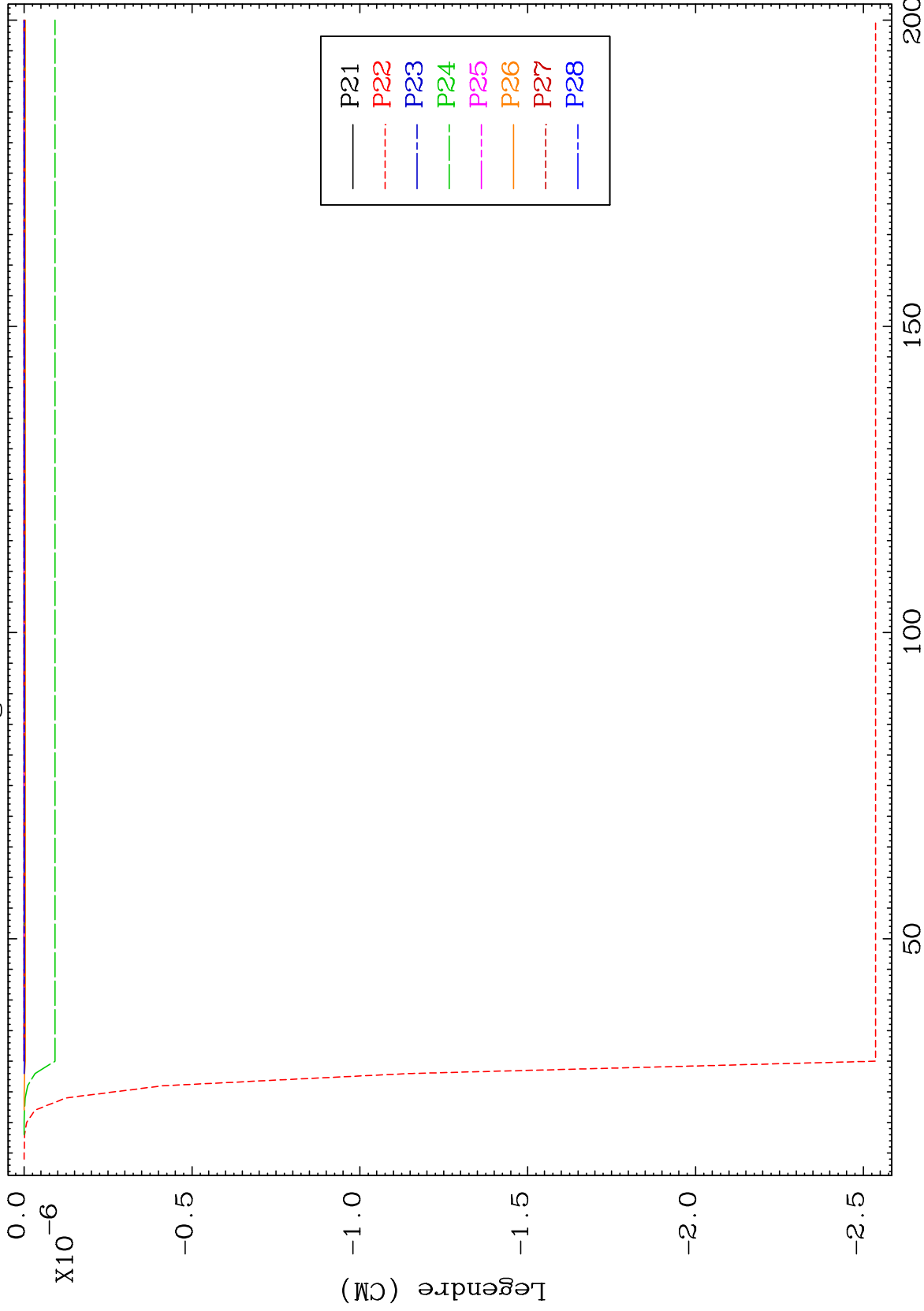
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



98

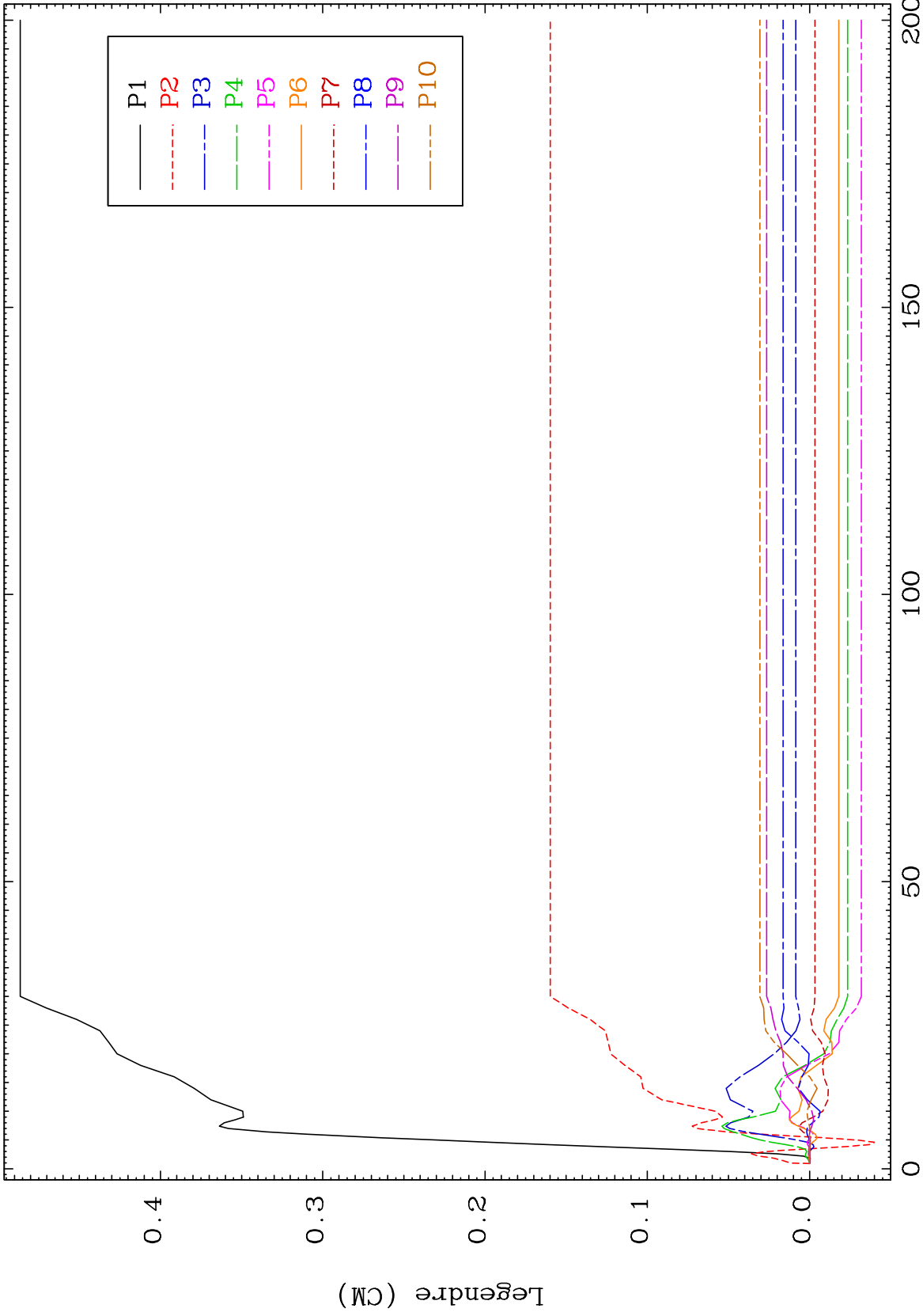
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



99

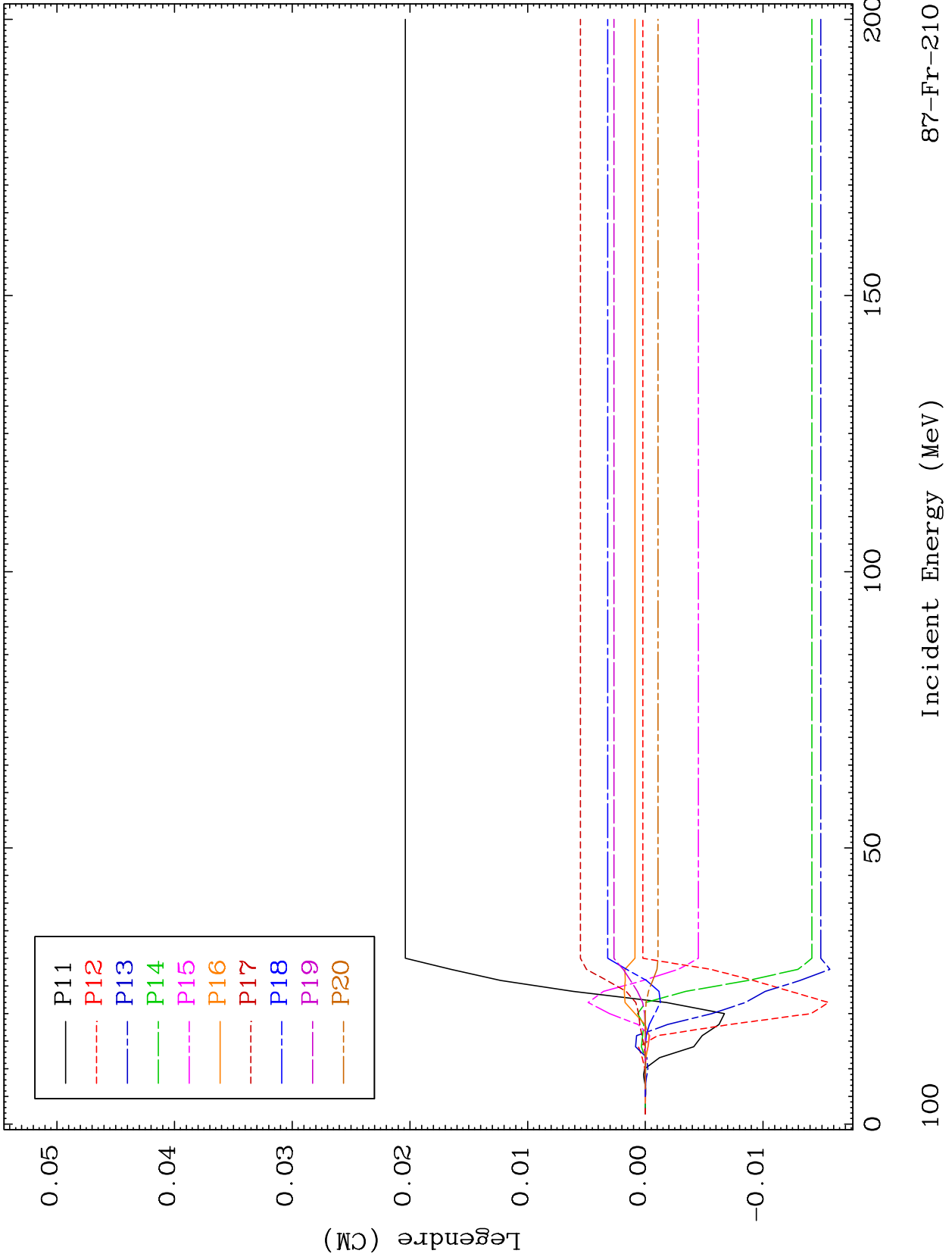
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210

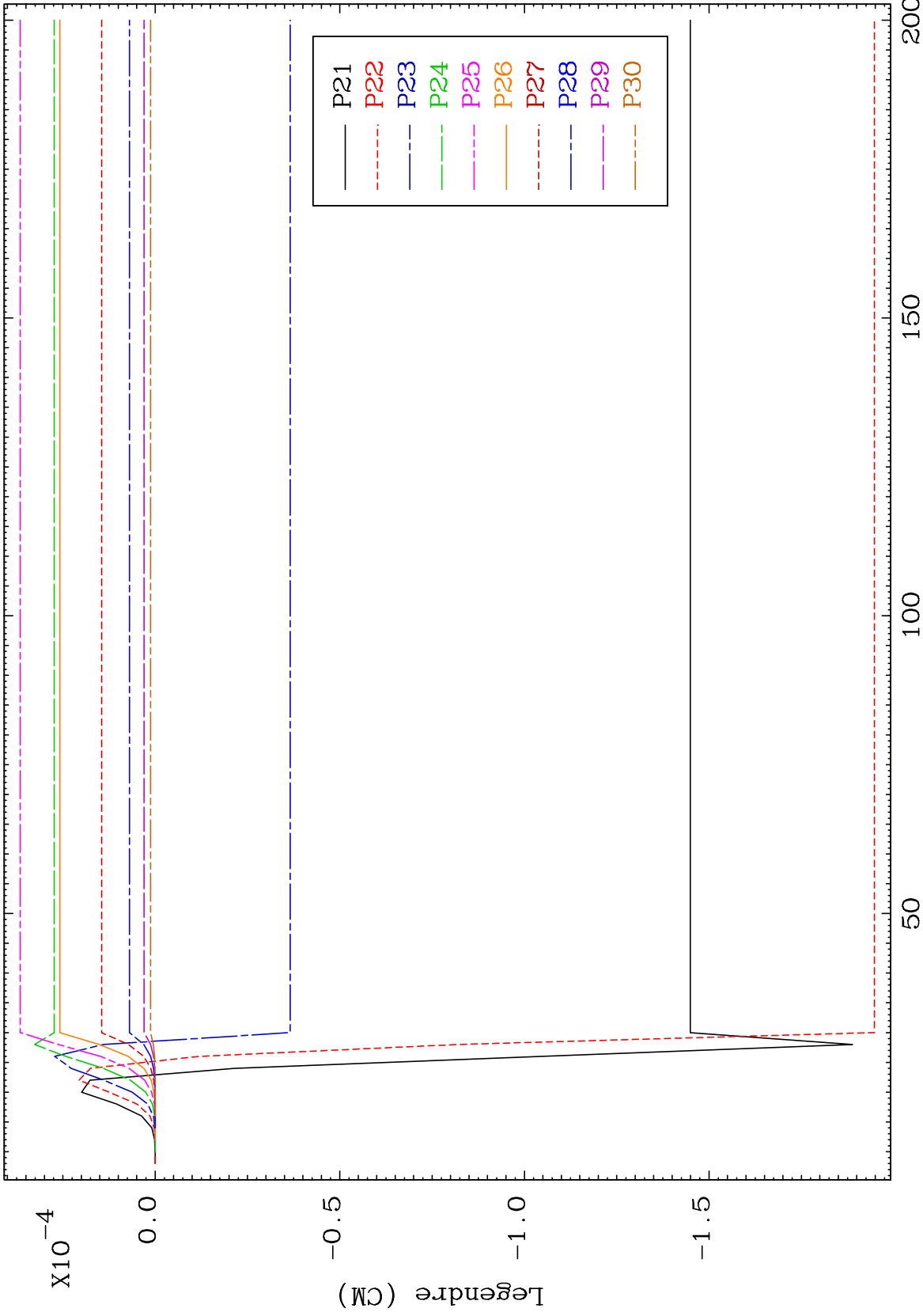


87-Fr-210

MAT 8719

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

87-Fr-210



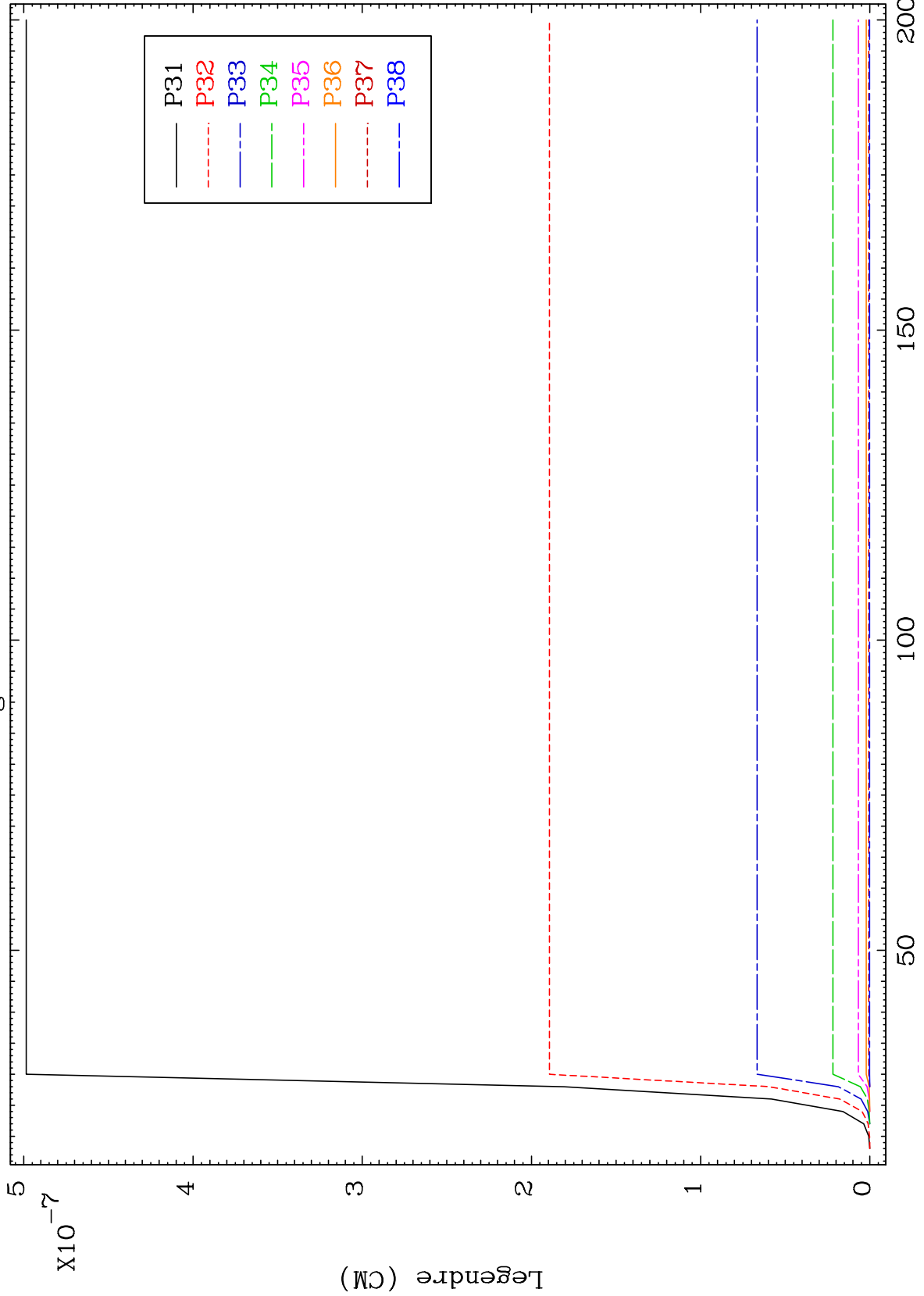
101

87-Fr-210

MAT 8719

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

87-Fr-210



102

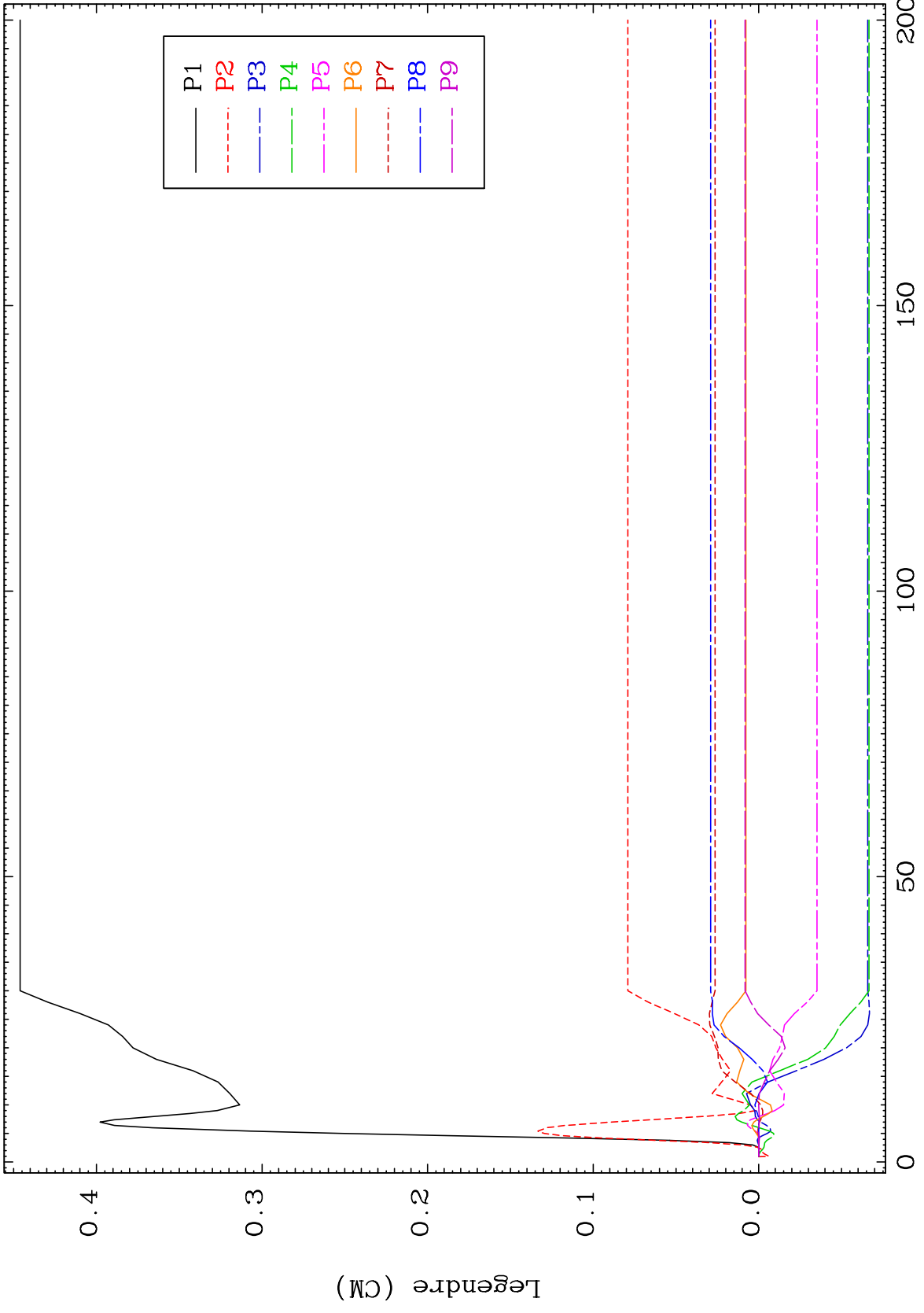
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



103

Incident Energy (MeV)

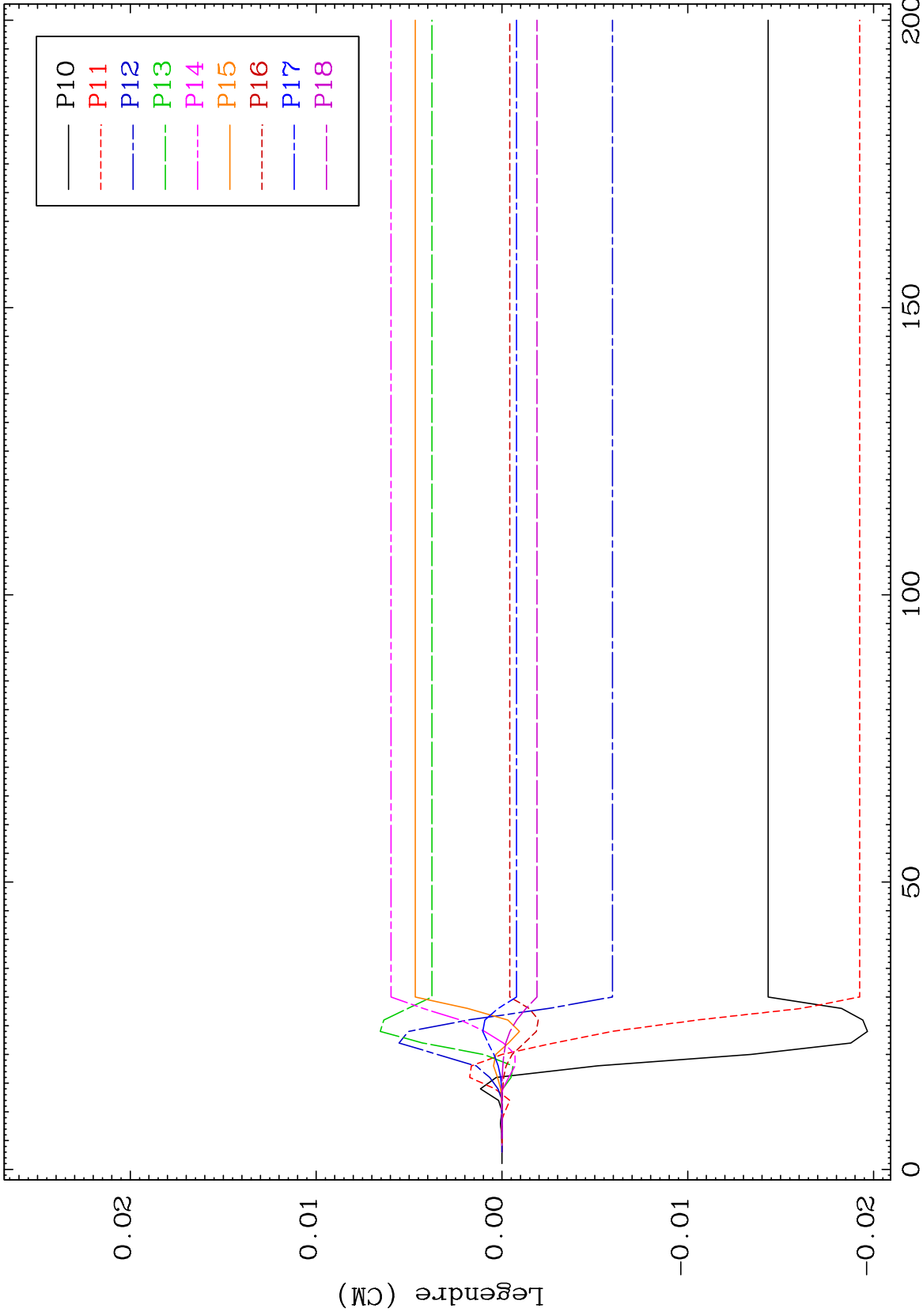
87-Fr-210



MAT 8719

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

87-Fr-210



104

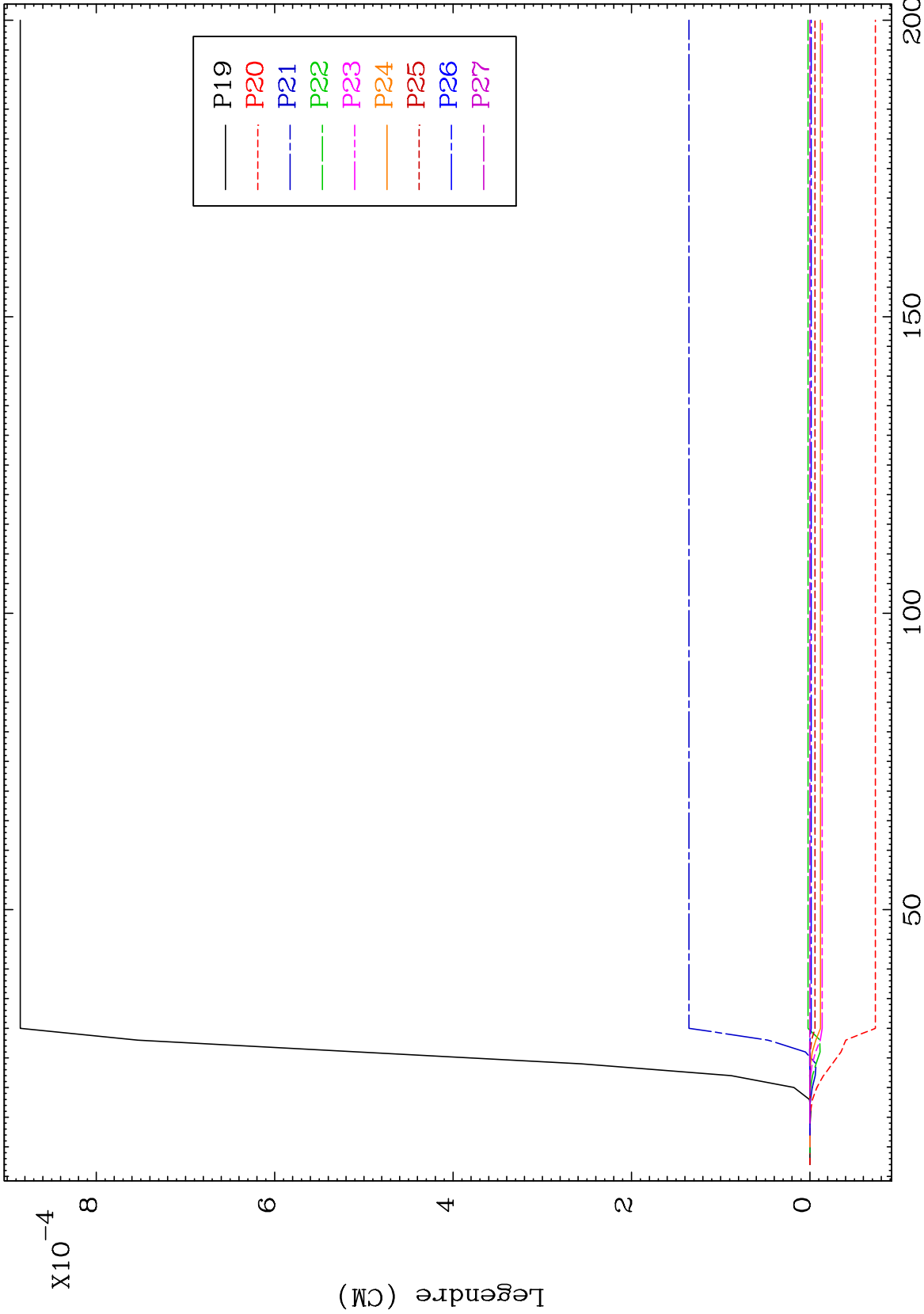
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



105

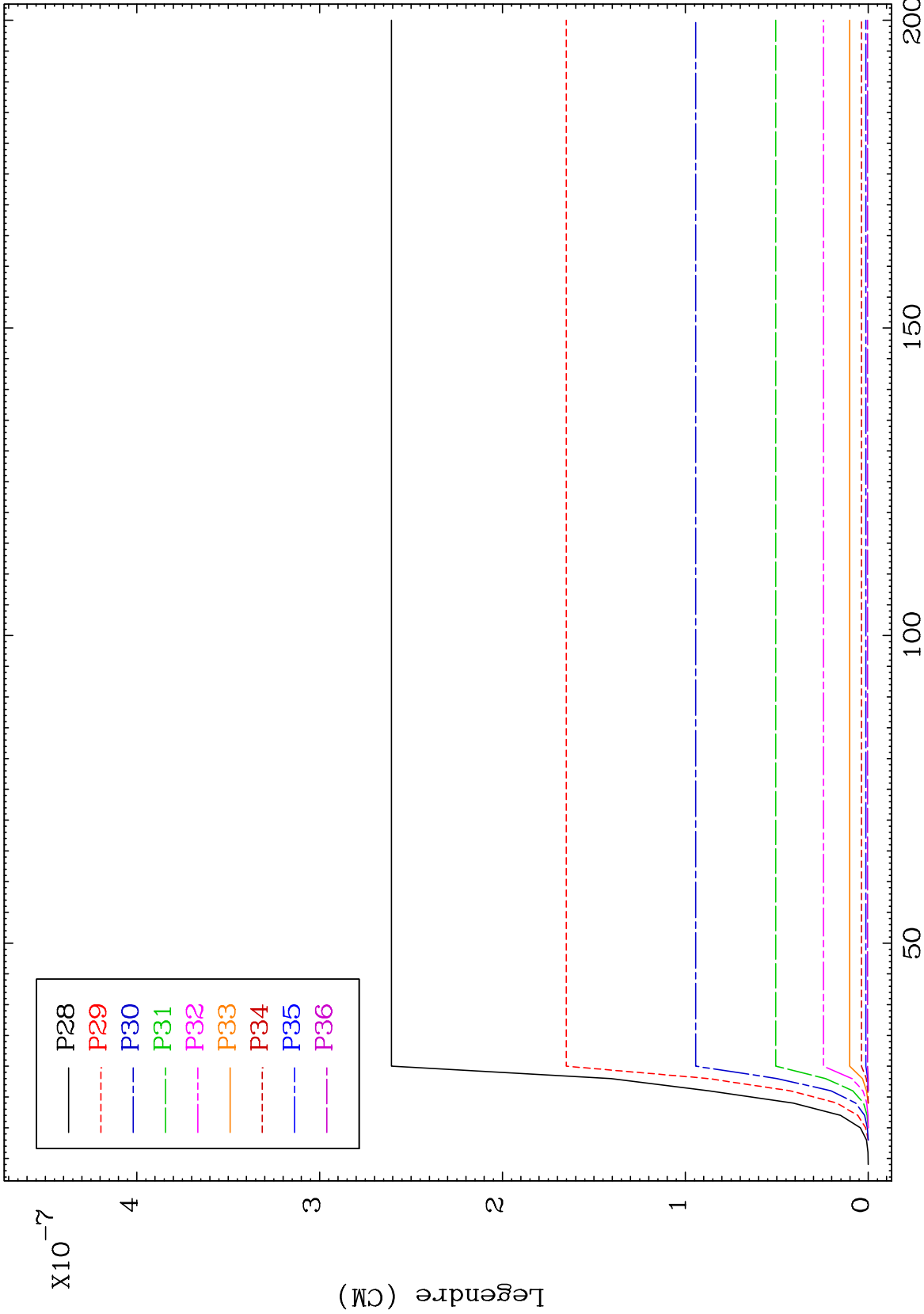
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



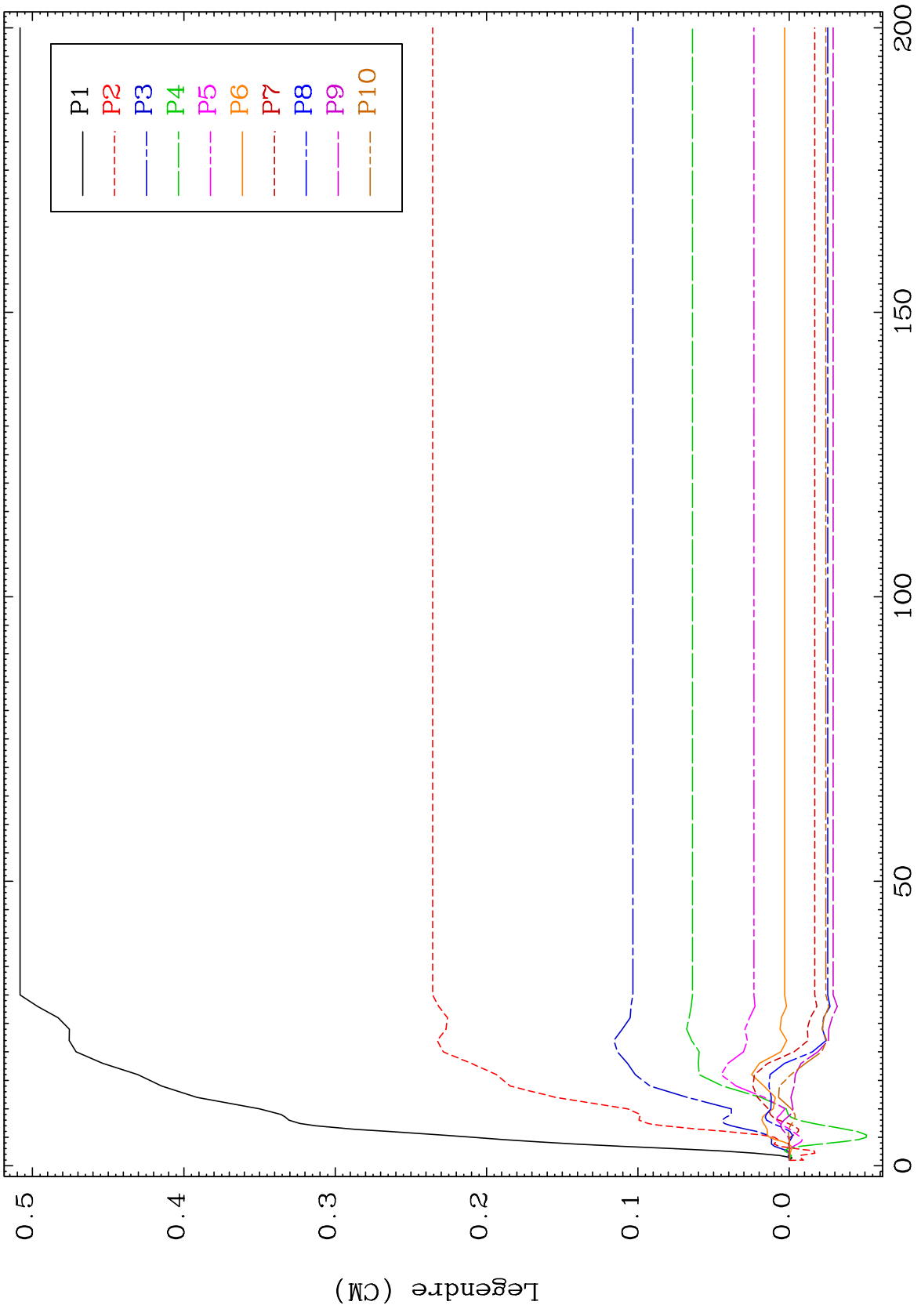
106

87-Fr-210

MAT 8719

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

87-Fr-210



107

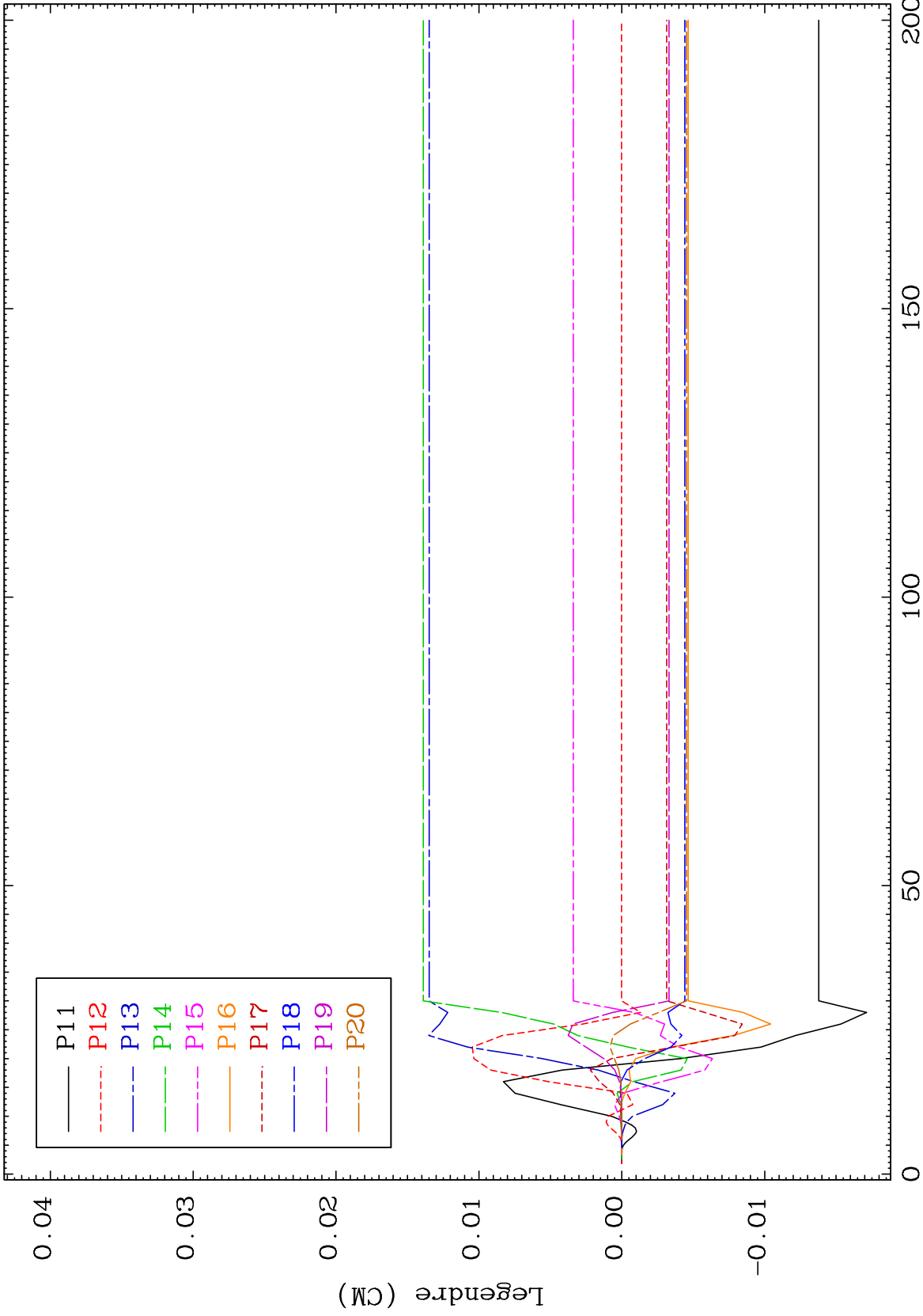
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



108

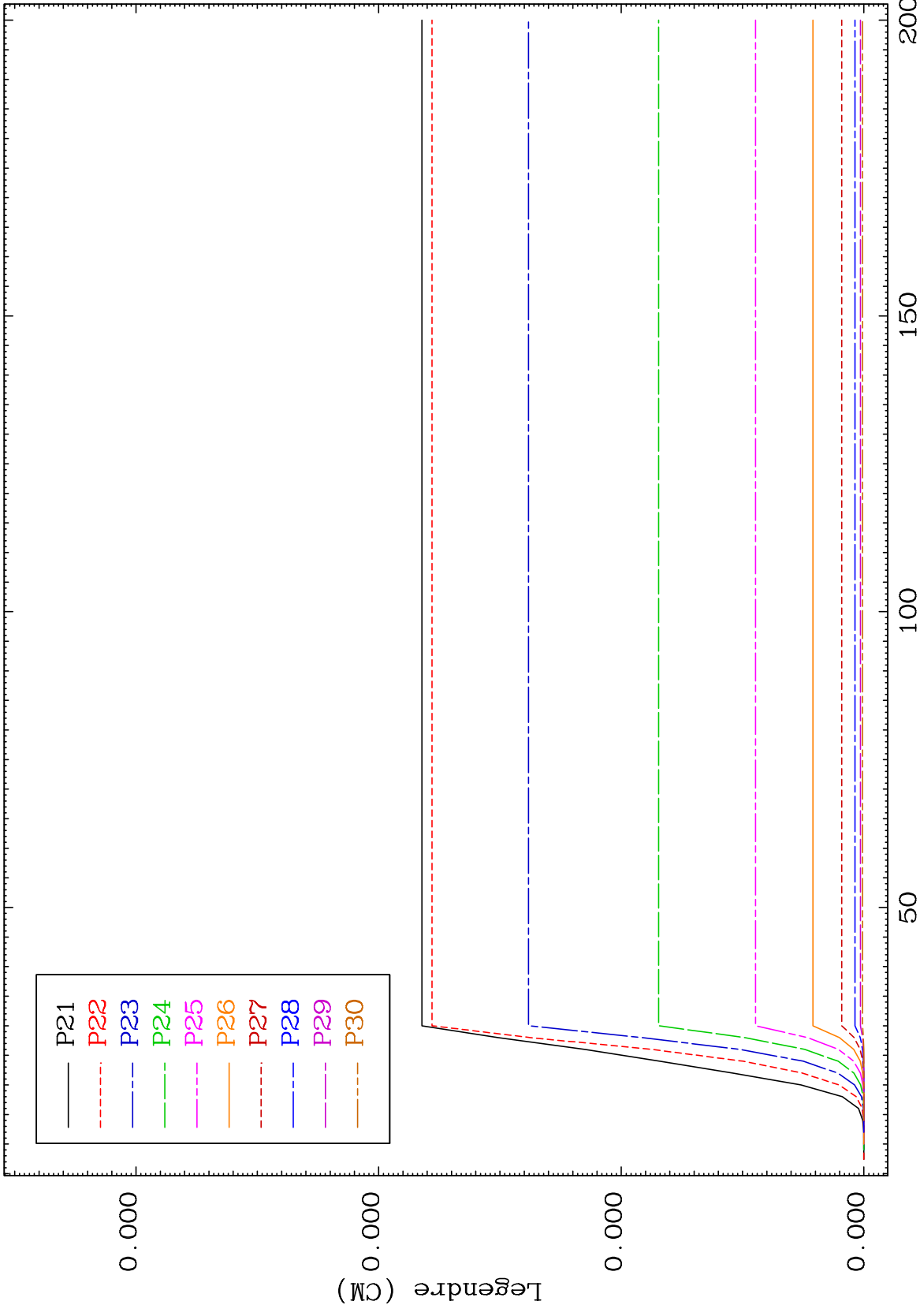
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



109

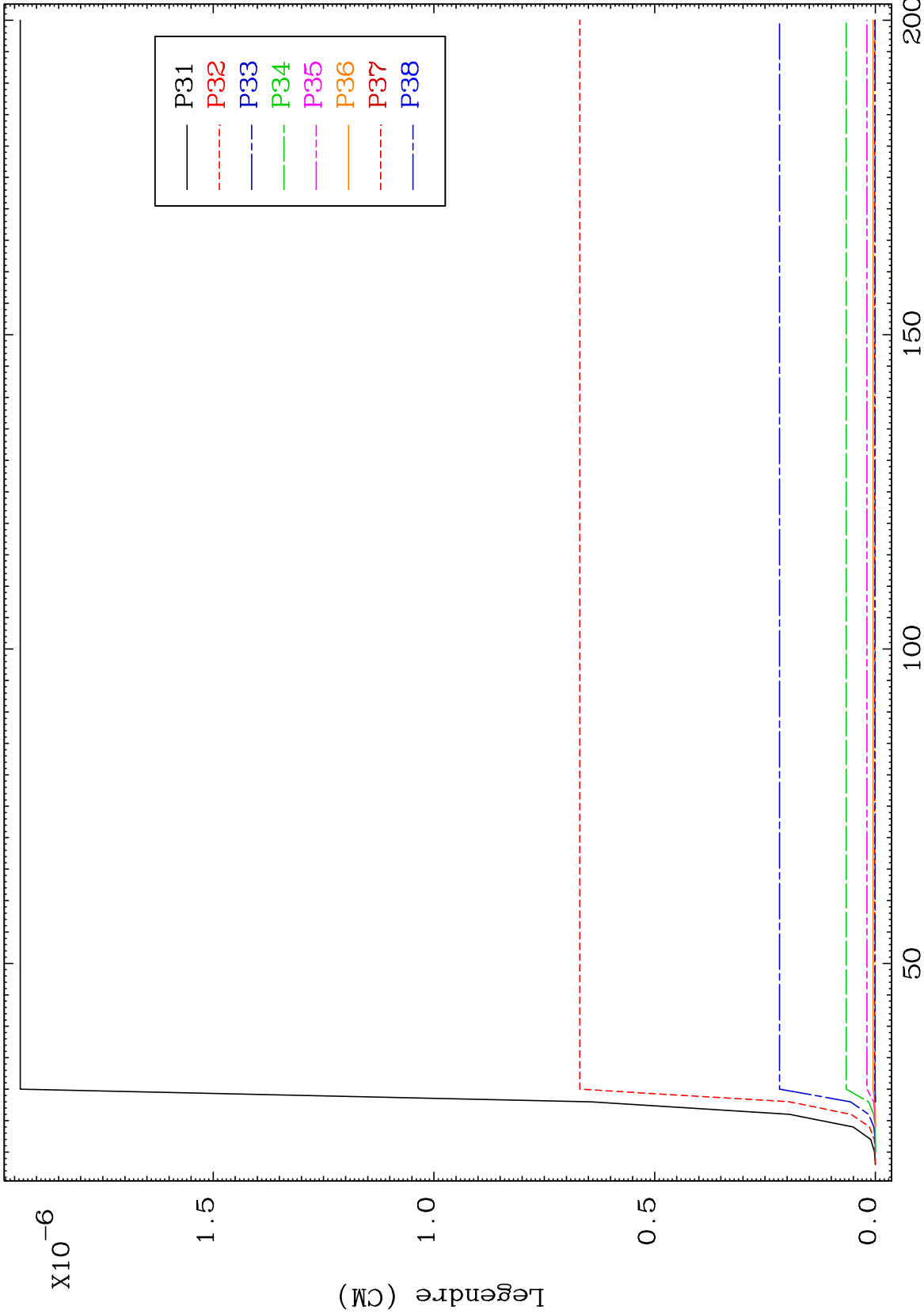
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



110

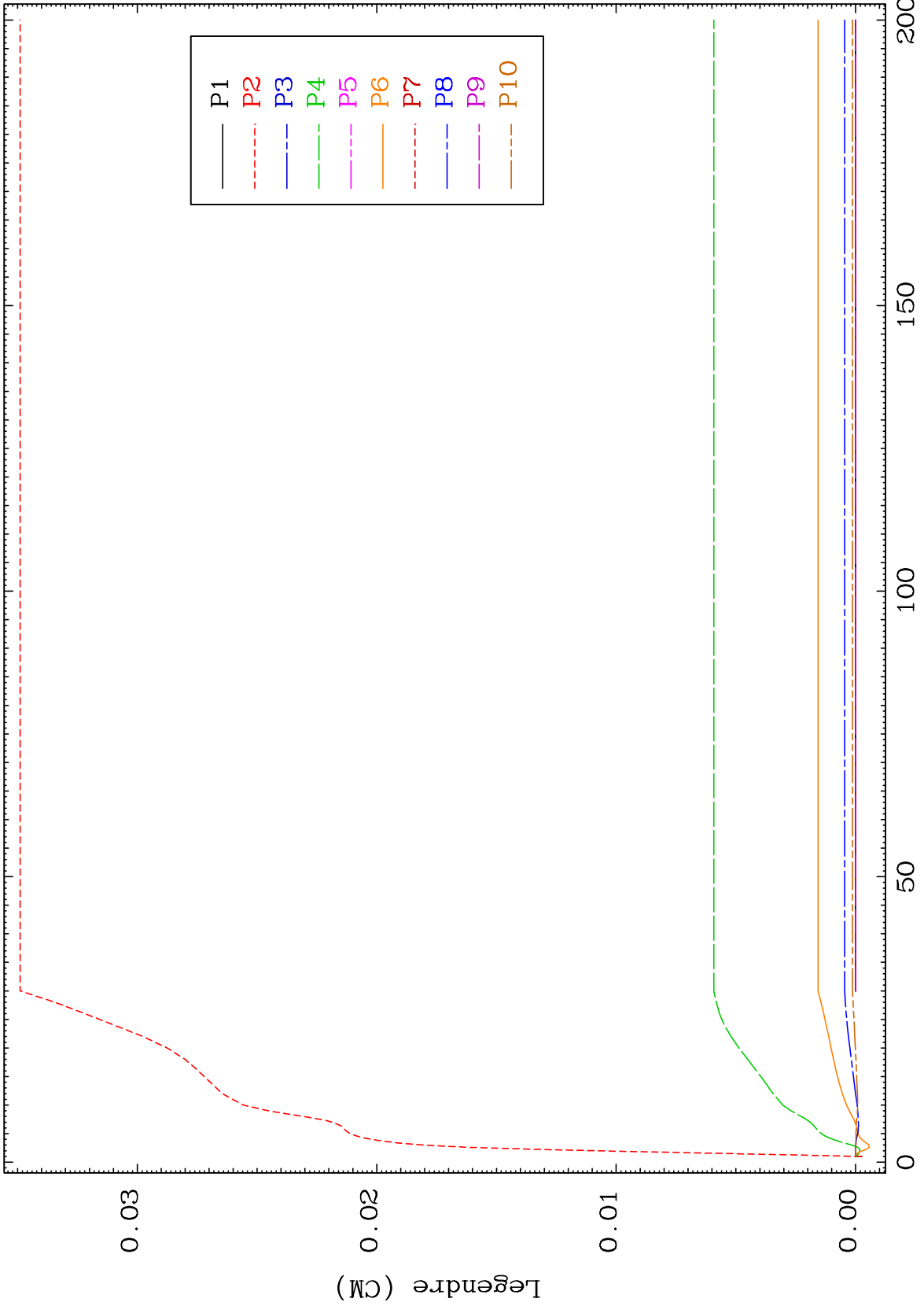
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



111

Incident Energy (MeV)

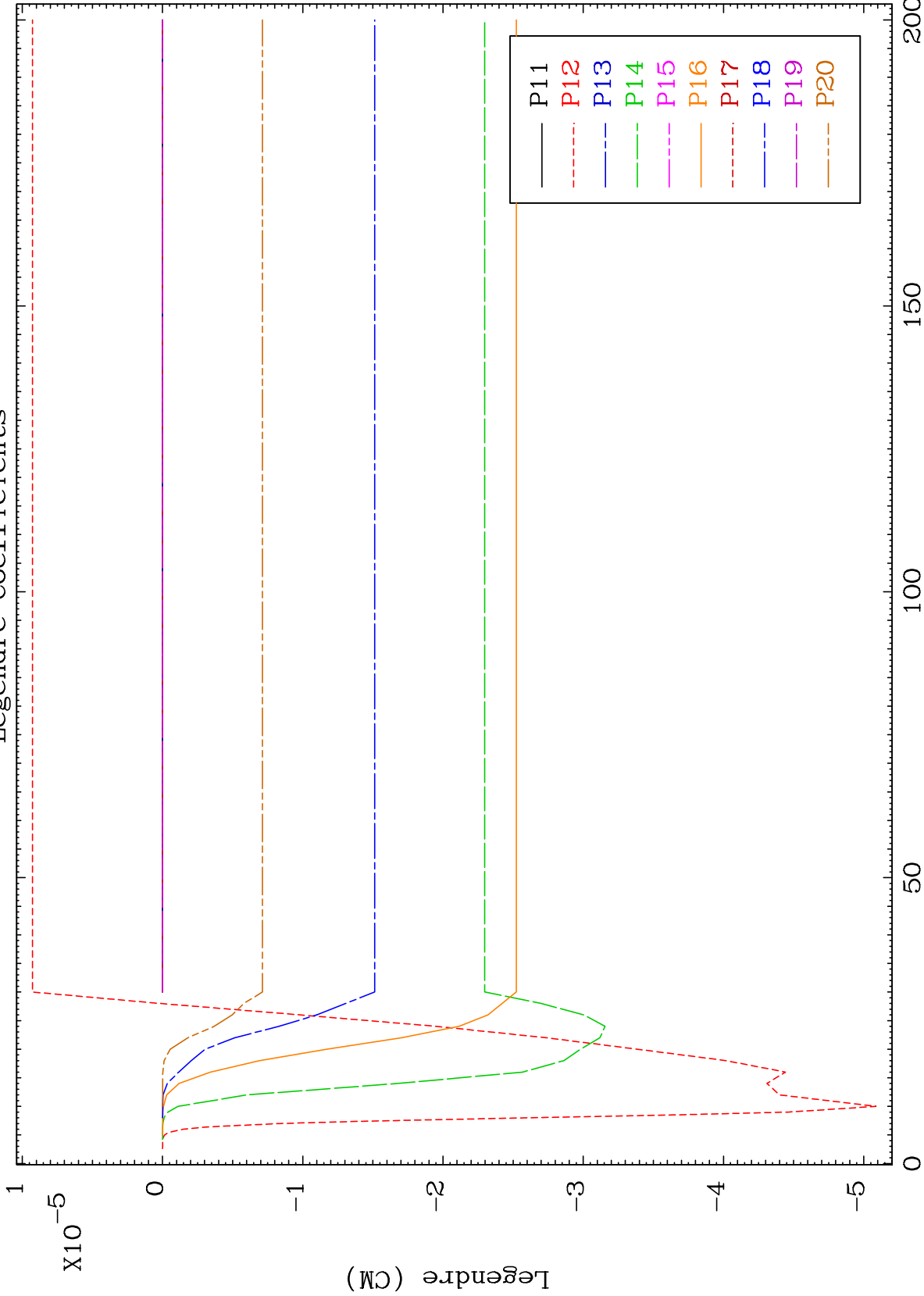
87-Fr-210



MAT 8719

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

87-Fr-210



112

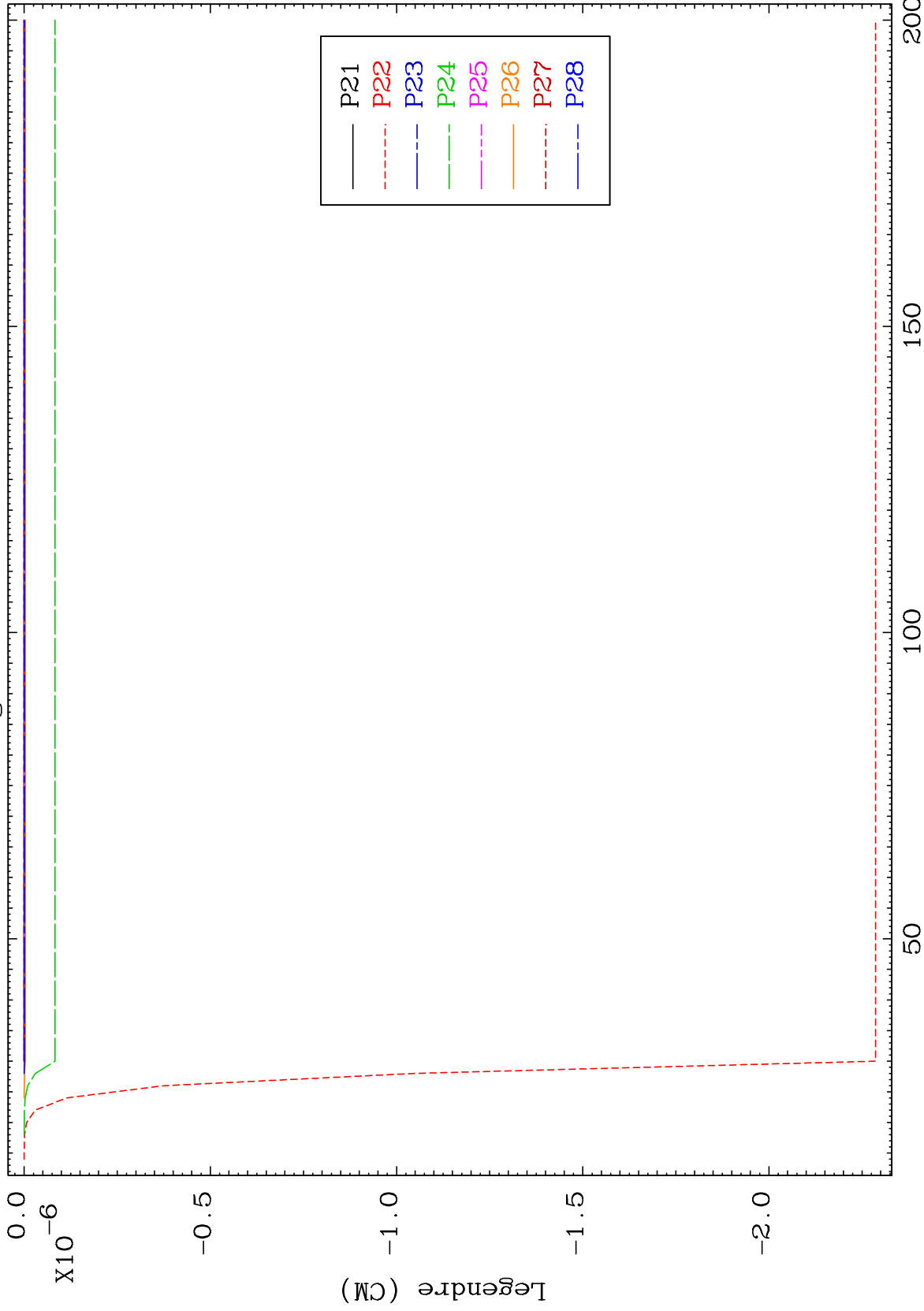
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



113

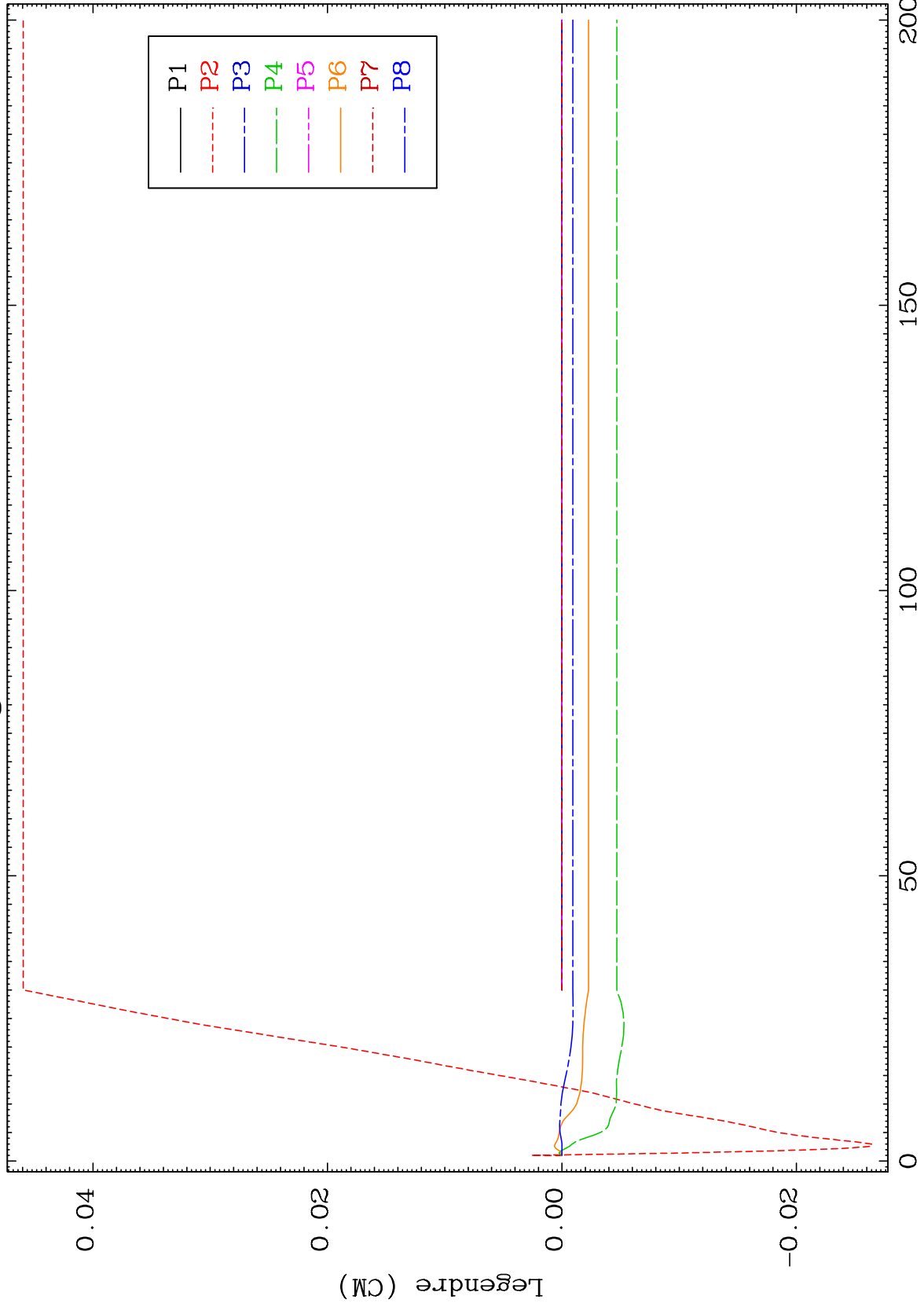
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



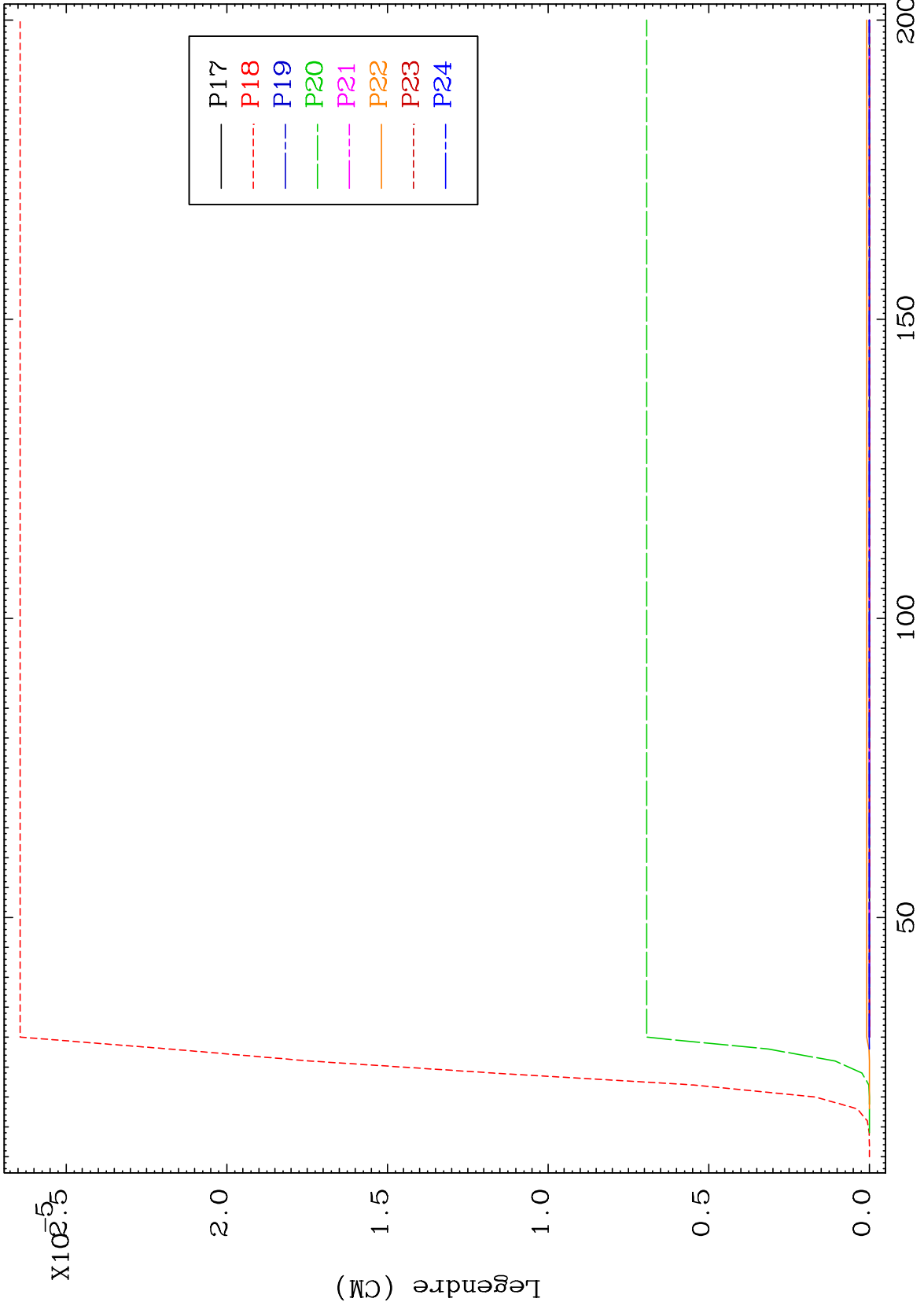
114

Incident Energy (MeV)

87-Fr-210

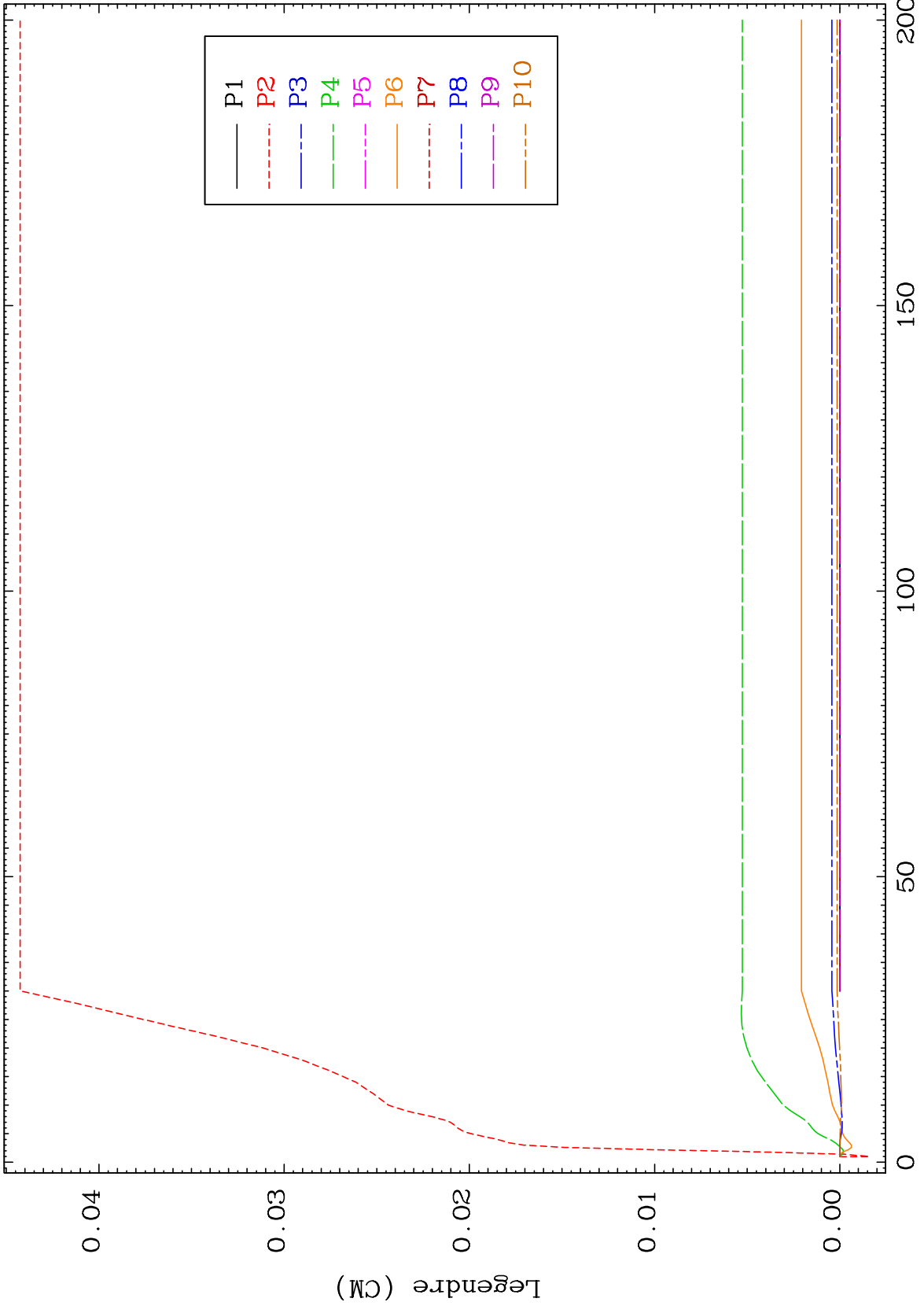


MAT 8719 MT= 78 (n,n') Level Legendre Coefficients 87-Fr-210



116 Incident Energy (MeV) 87-Fr-210

MAT 8719 MT= 79 (n,n') Level Legendre Coefficients 87-Fr-210

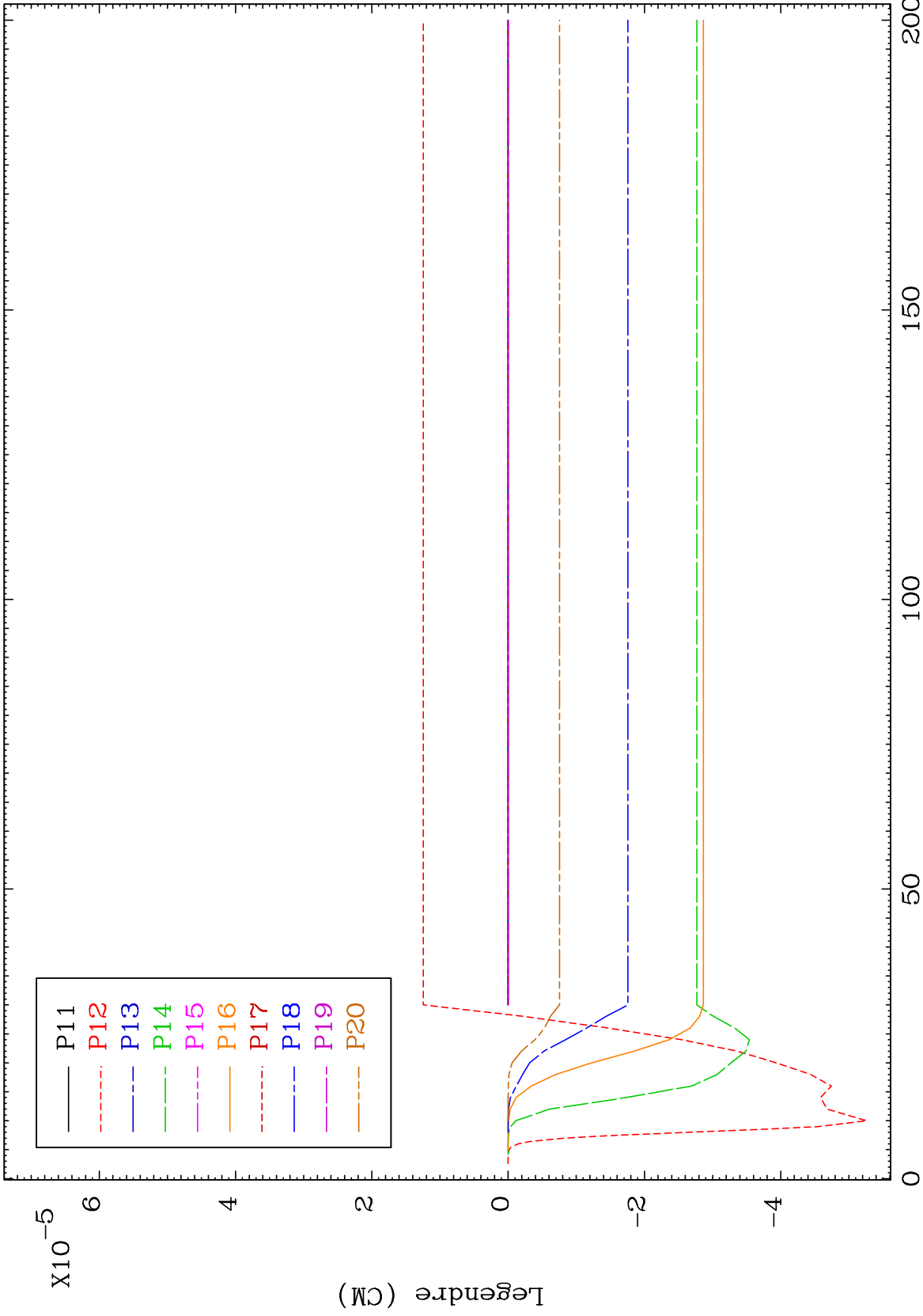


117 87-Fr-210

MAT 8719

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

87-Fr-210



118

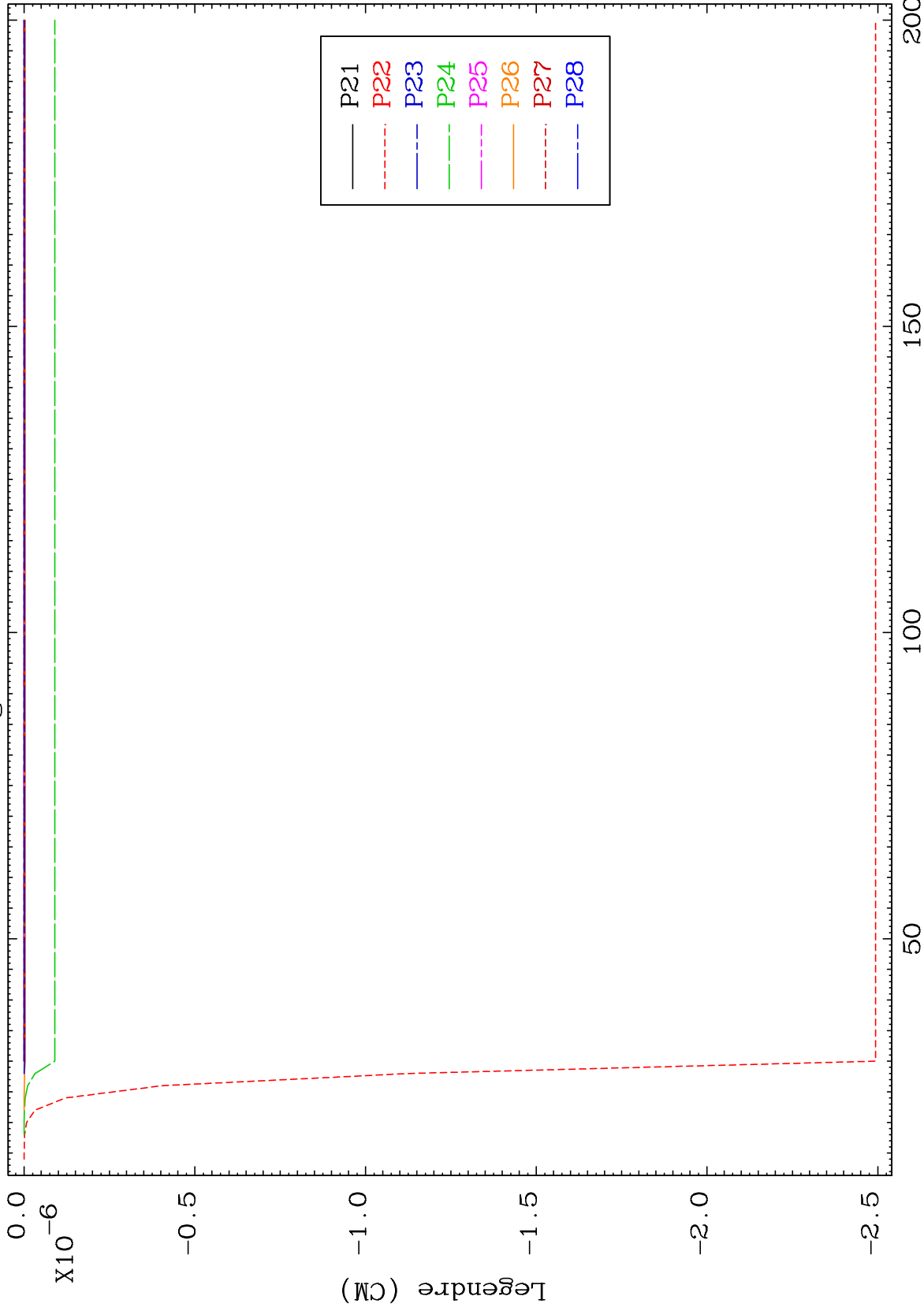
Incident Energy (MeV)

87-Fr-210

MAT 8719

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

87-Fr-210



119

Incident Energy (MeV)

87-Fr-210

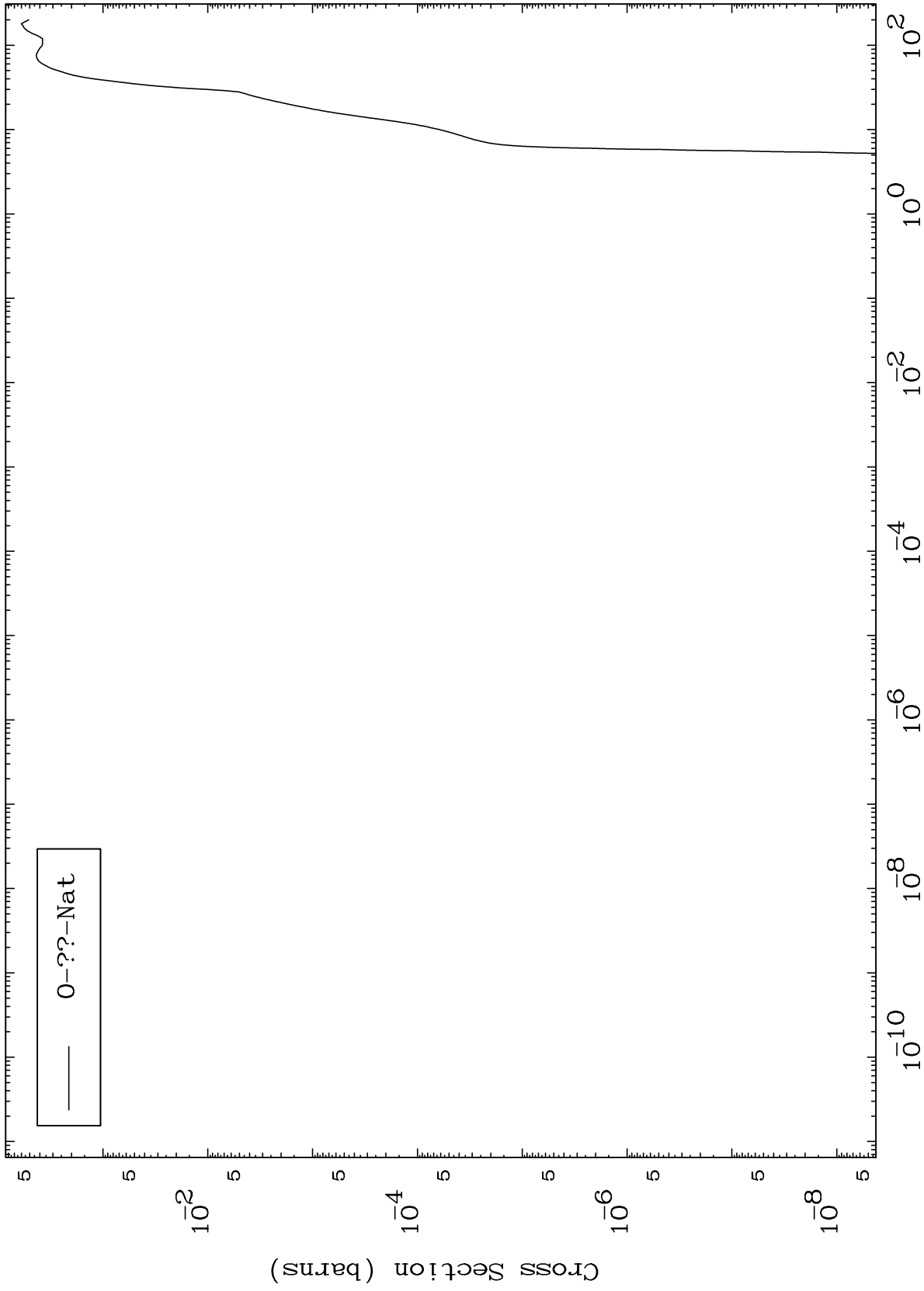


MAT 8719

Fission

87-Fr-210

Radionuclide Production Cross Section



120

Incident Energy (MeV)

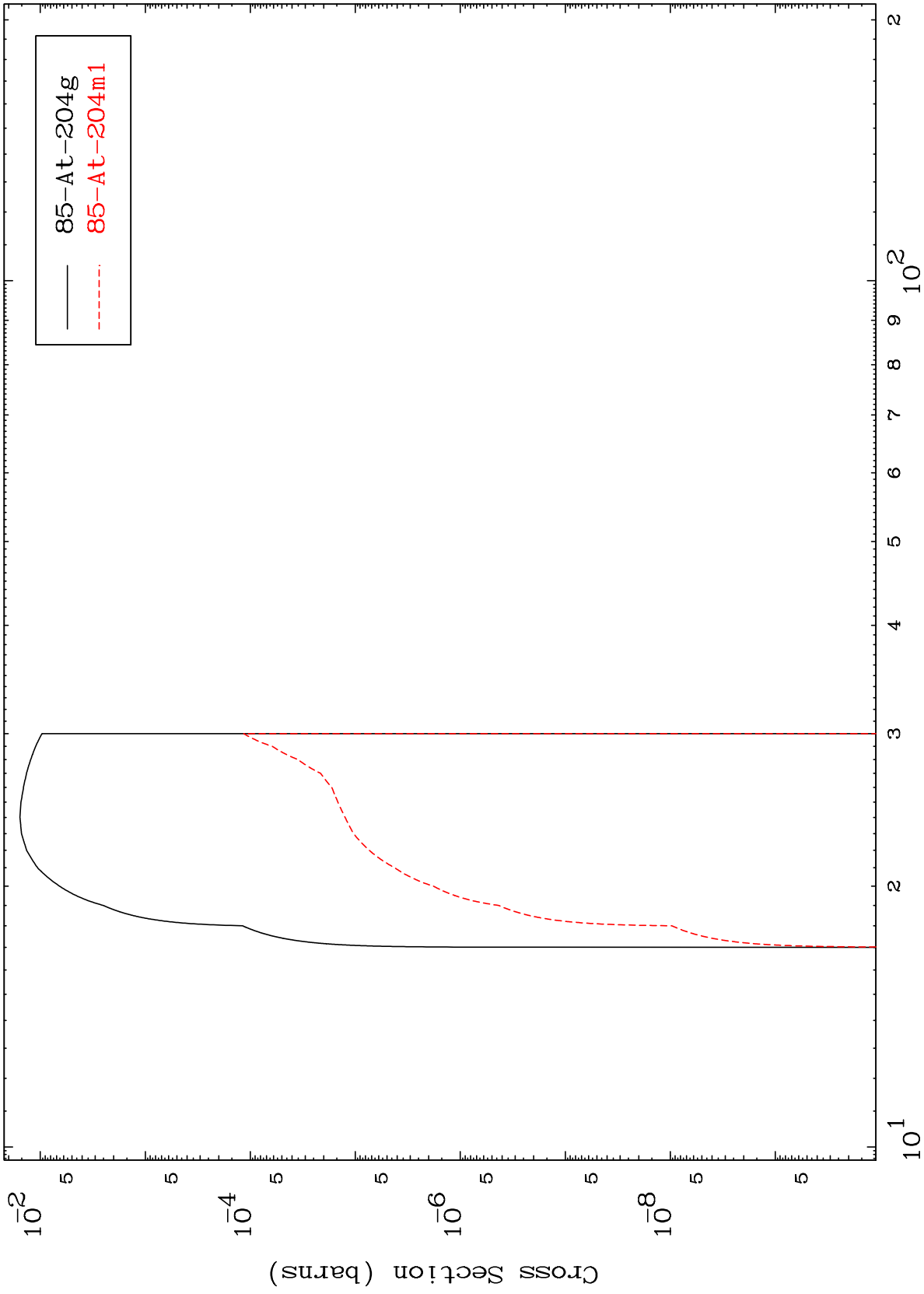
87-Fr-210

MAT 8719

(n,3n)  $\alpha$

87-Fr-210

Radionuclide Production Cross Section



121

Incident Energy (MeV)

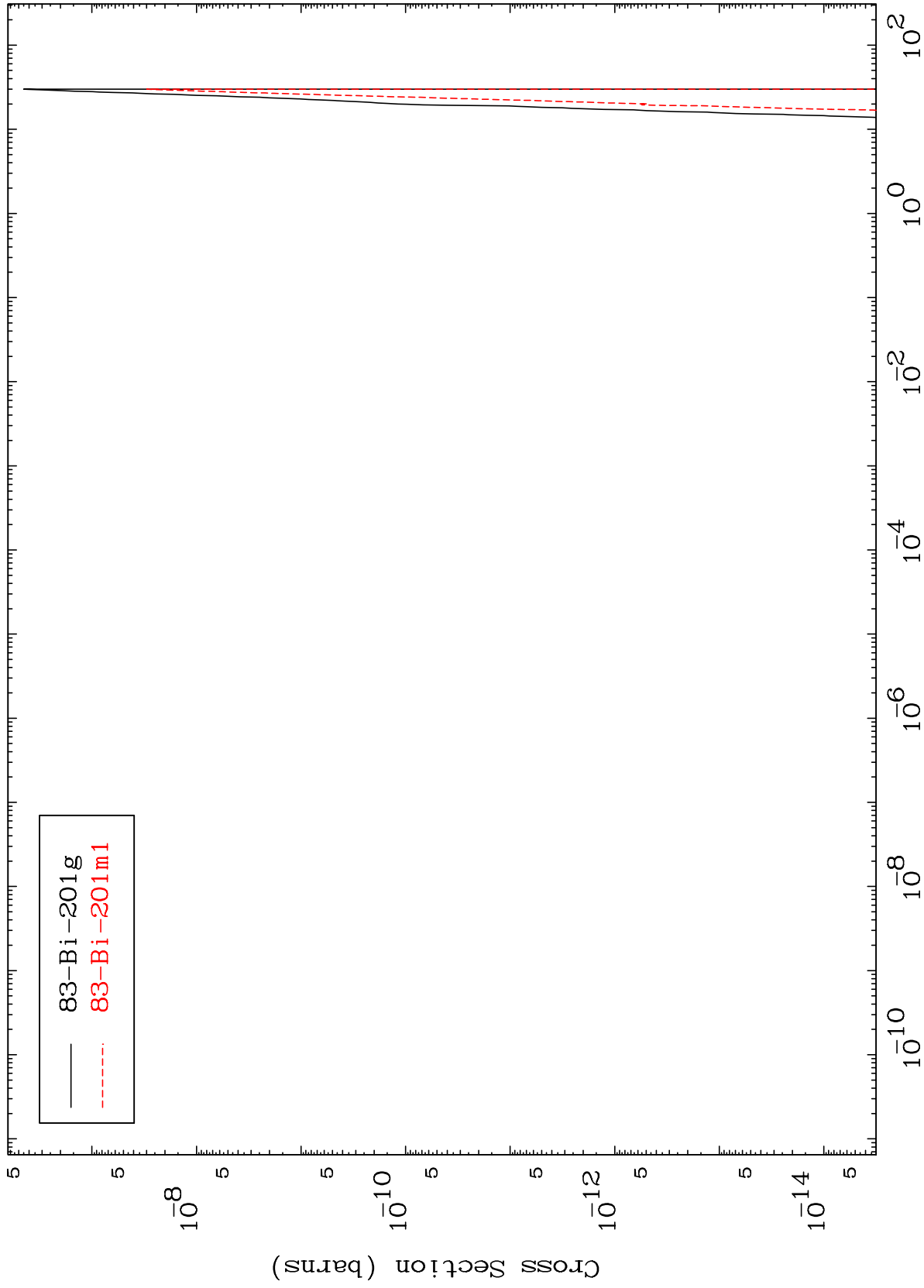
87-Fr-210

MAT 8719

(n,2n) 2 $\alpha$

87-Fr-210

Radionuclide Production Cross Section



122

Incident Energy (MeV)

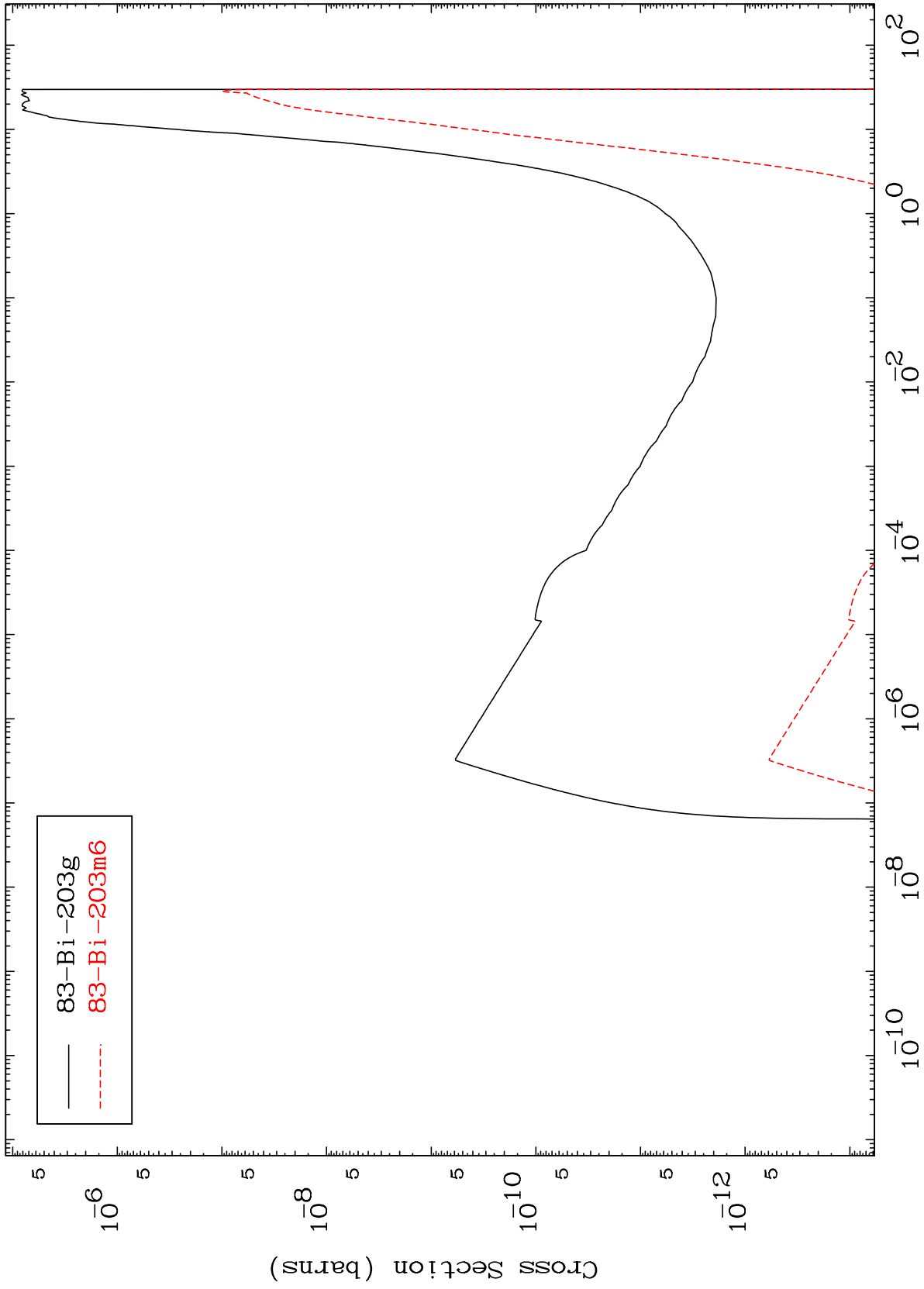
87-Fr-210

MAT 8719

(n,2α)

87-Fr-210

Radionuclide Production Cross Section



83-Bi-203g  
83-Bi-203m6