

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

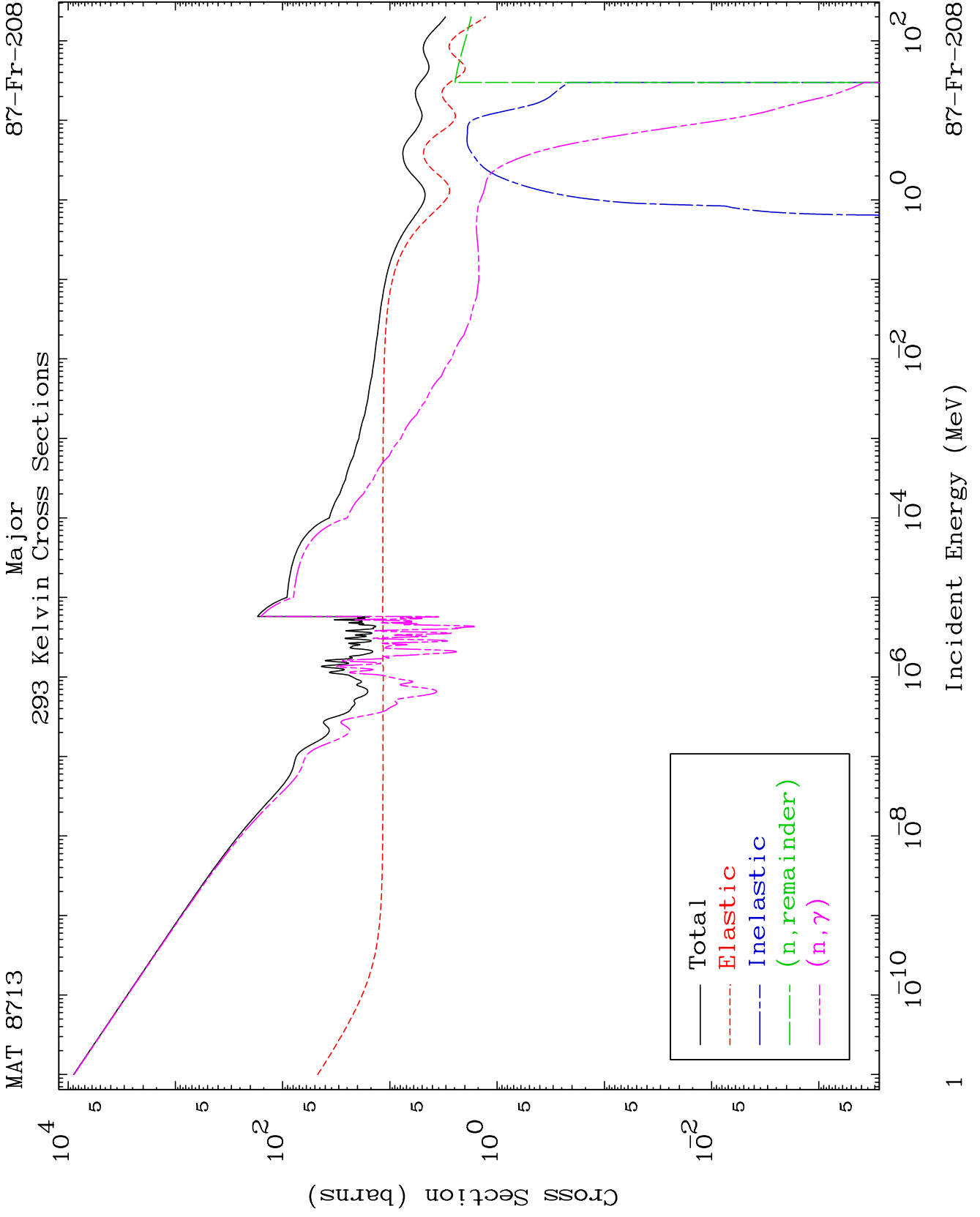
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Tele: 925-443-1911

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Web: redcullen1.net/HOMEPAGE.NEW

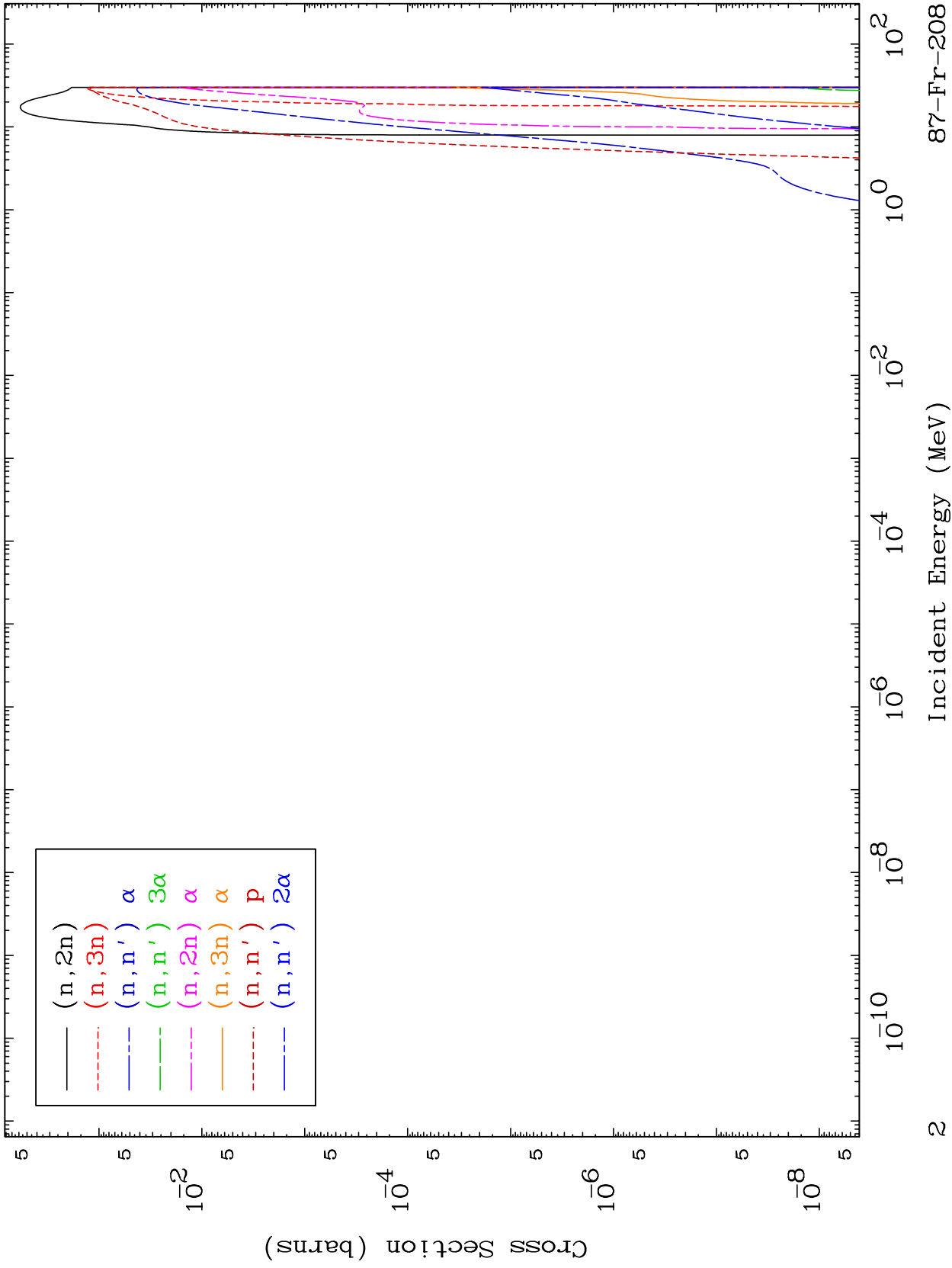
Press Mouse Button to Start



MAT 8713

Neutron Production
293 Kelvin Cross Sections

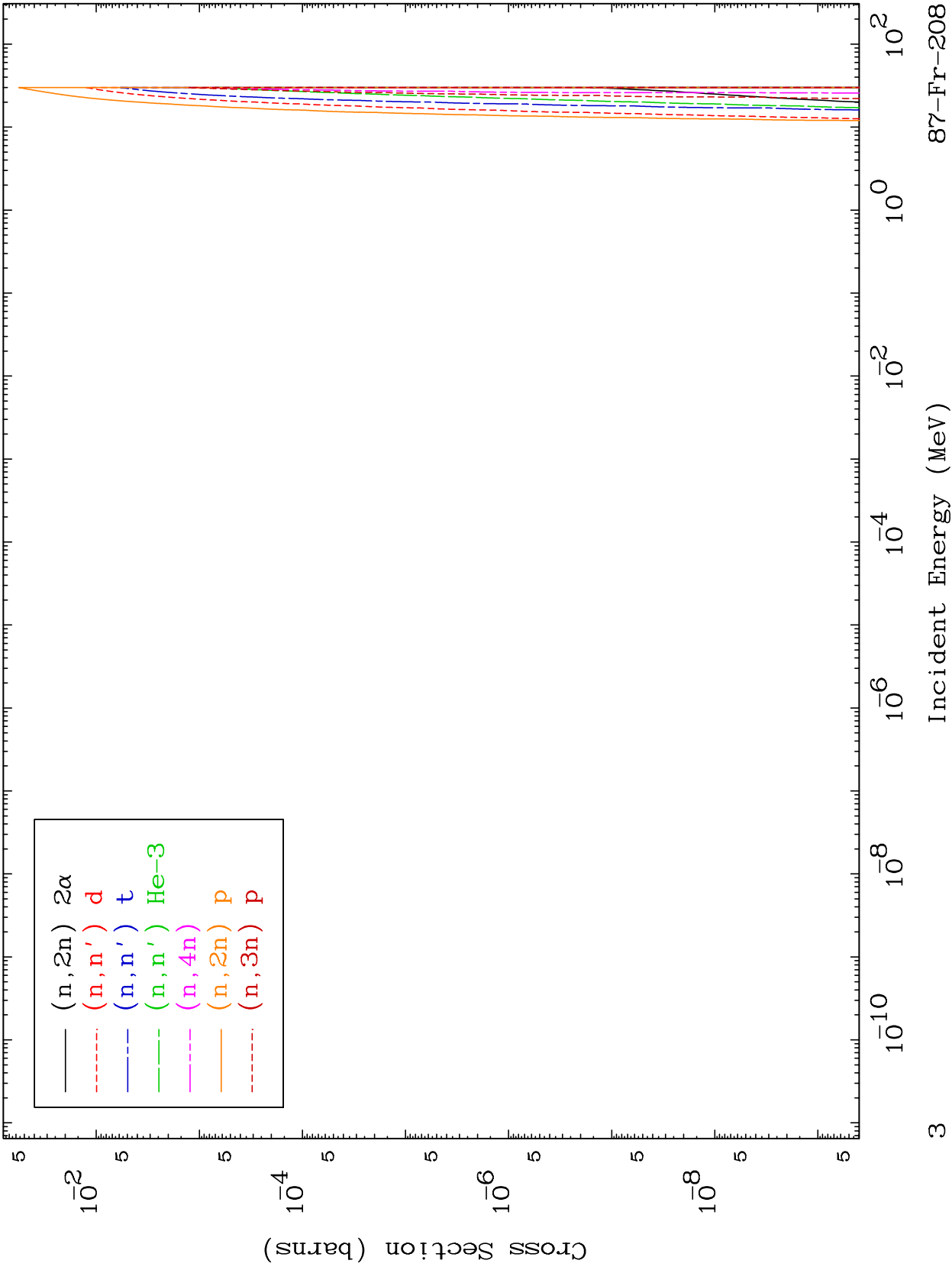
87-Fr-208



MAT 8713

Neutron Production
293 Kelvin Cross Sections

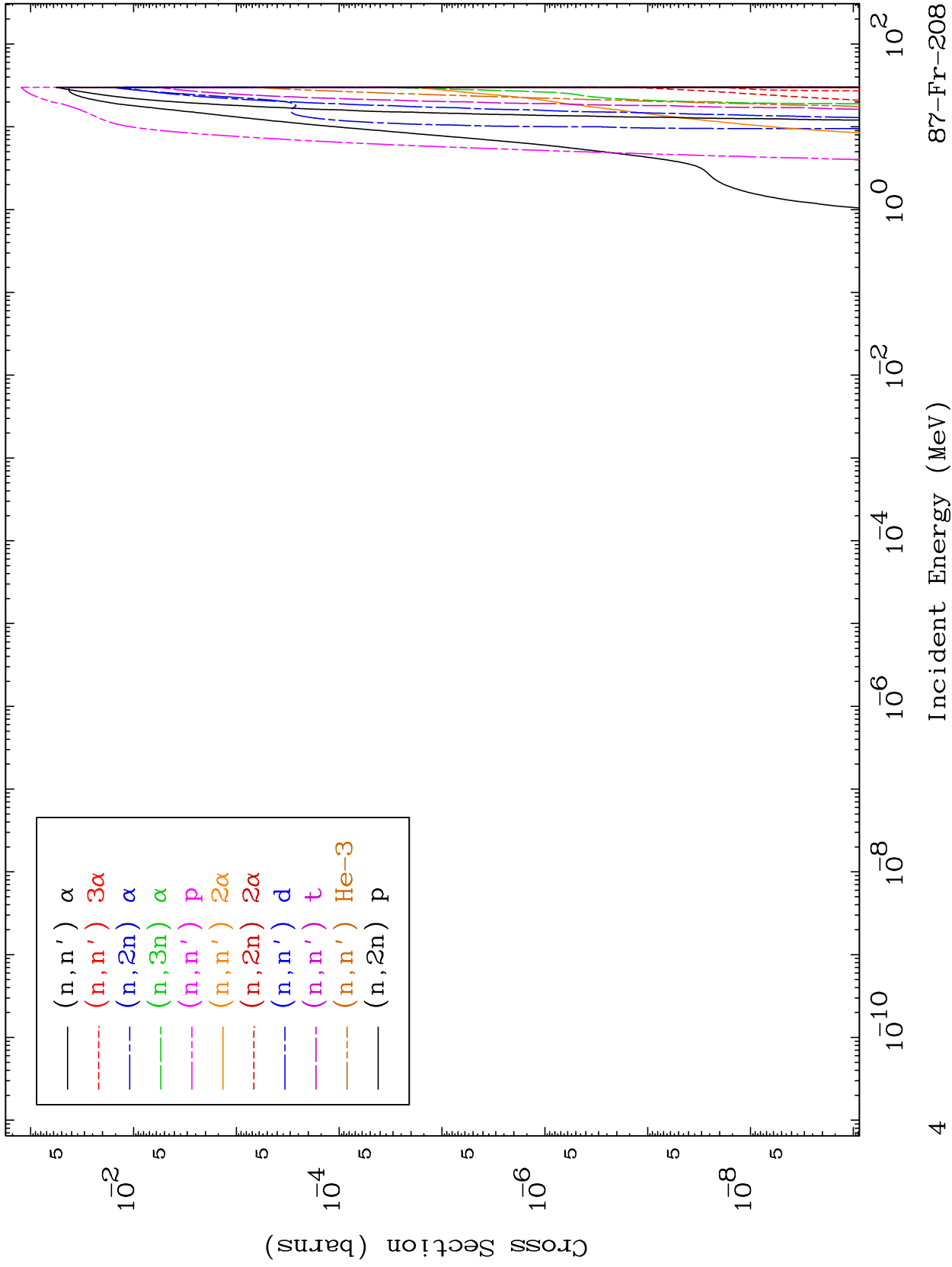
87-Fr-208



MAT 8713

Charged Particle
293 Kelvin Cross Sections

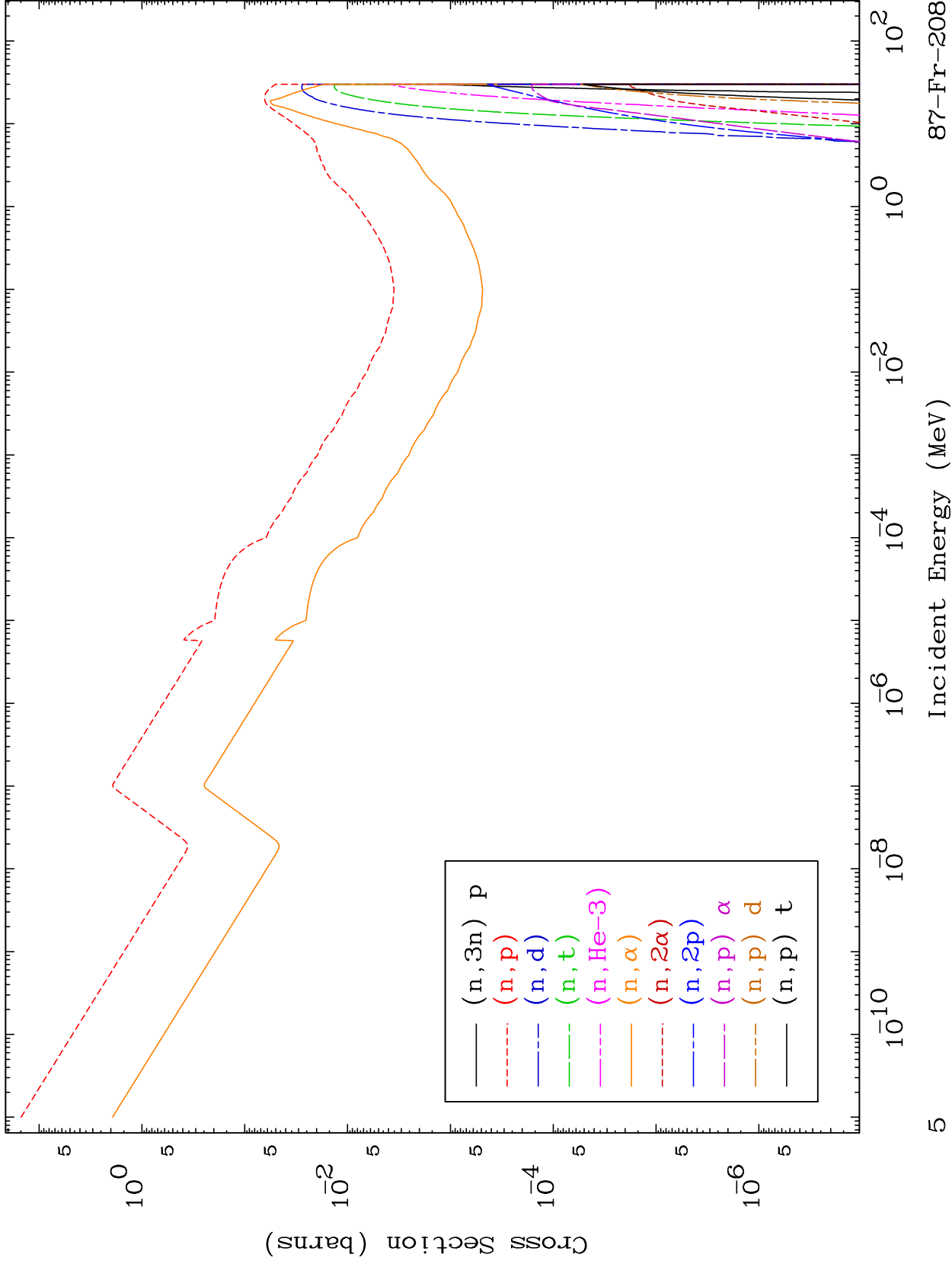
87-Fr-208



MAT 8713

Charged Particle
293 Kelvin Cross Sections

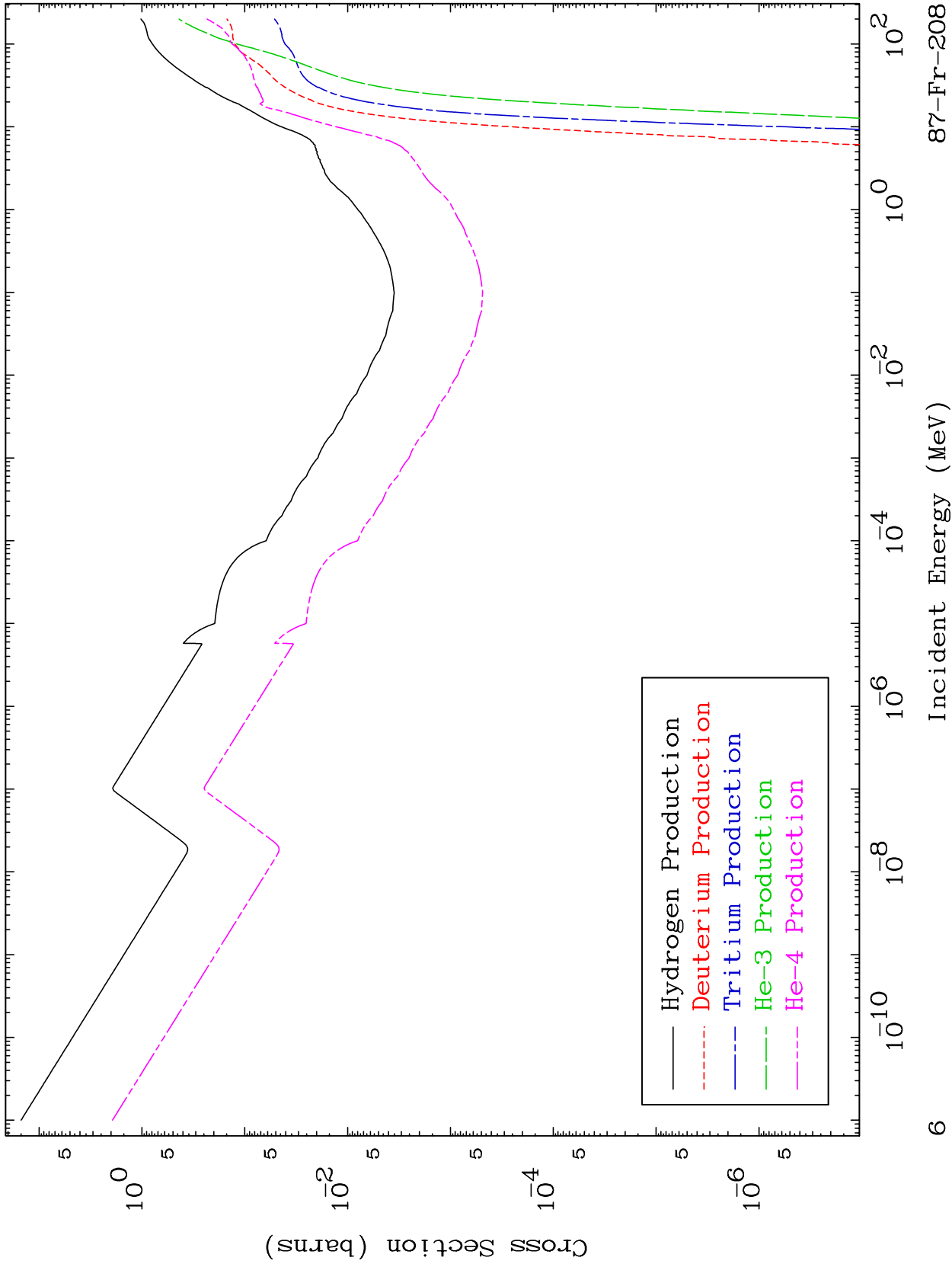
87-Fr-208



MAT 8713

Particle Production
293 Kelvin Cross Sections

87-Fr-208

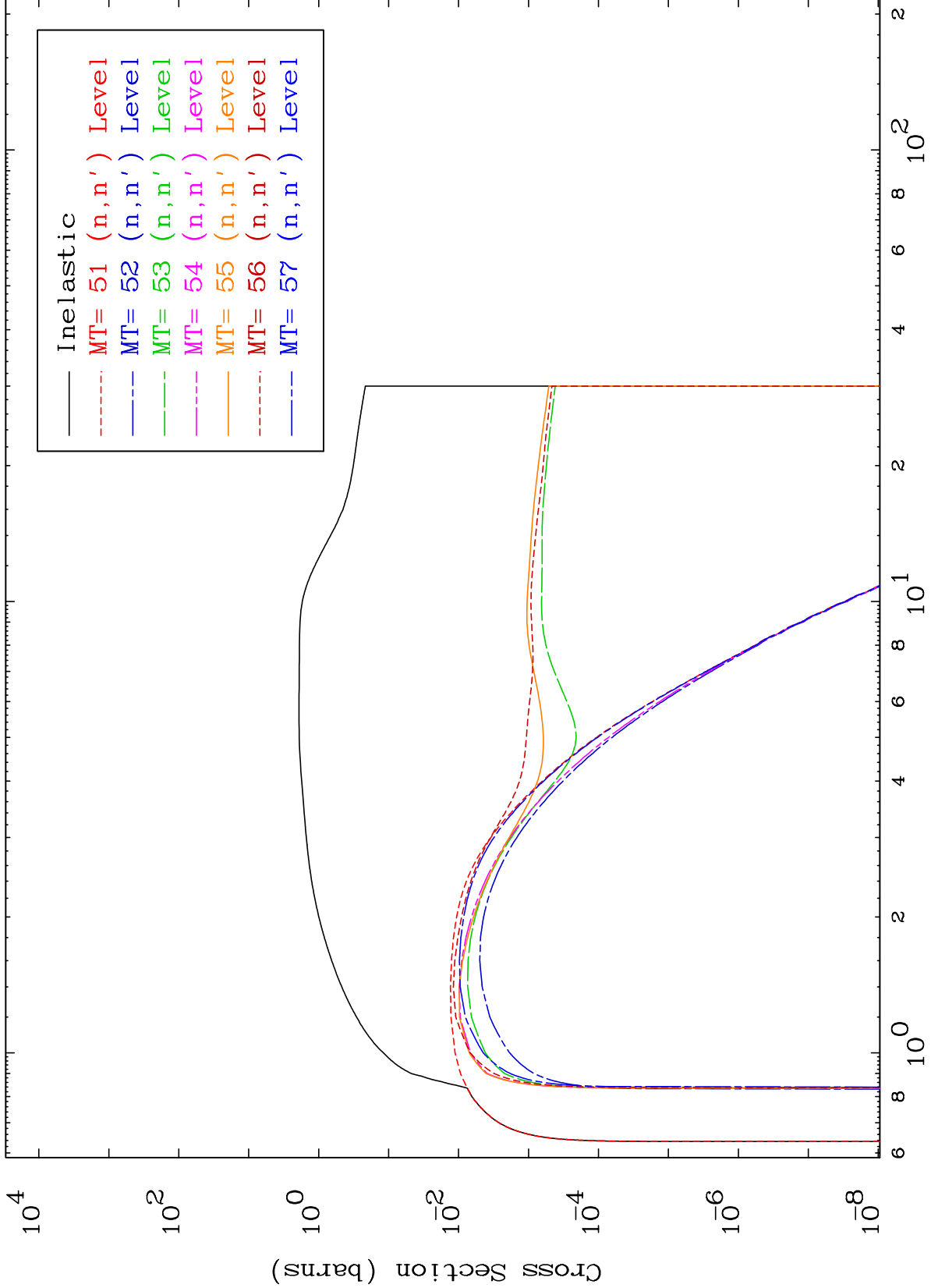


MAT 8713

(n,n') Level

87-Fr-208

293 Kelvin Cross Sections



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Incident Energy (MeV)

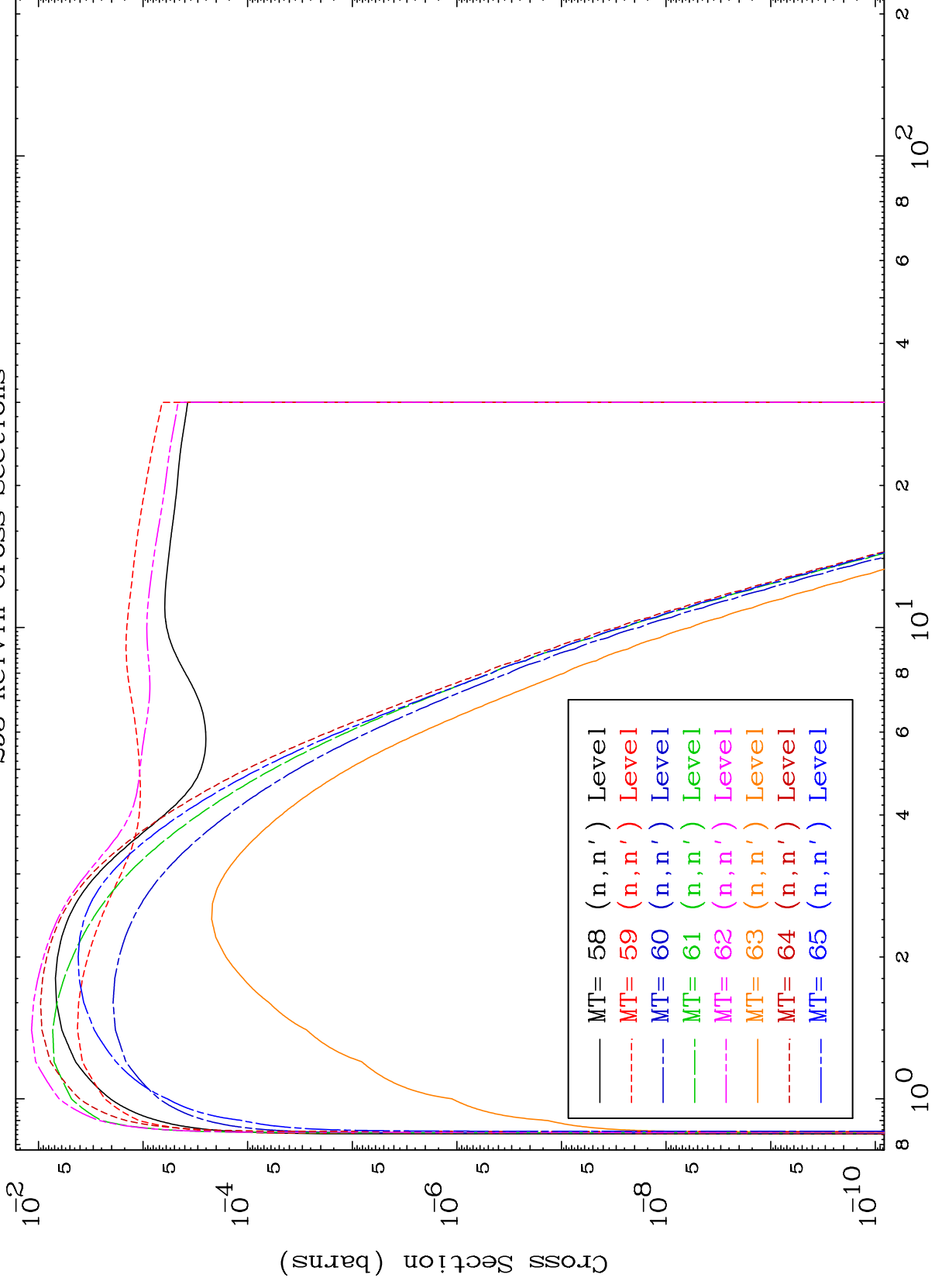
87-Fr-208

MAT 8713

(n,n') Level

87-Fr-208

293 Kelvin Cross Sections



8

Incident Energy (MeV)

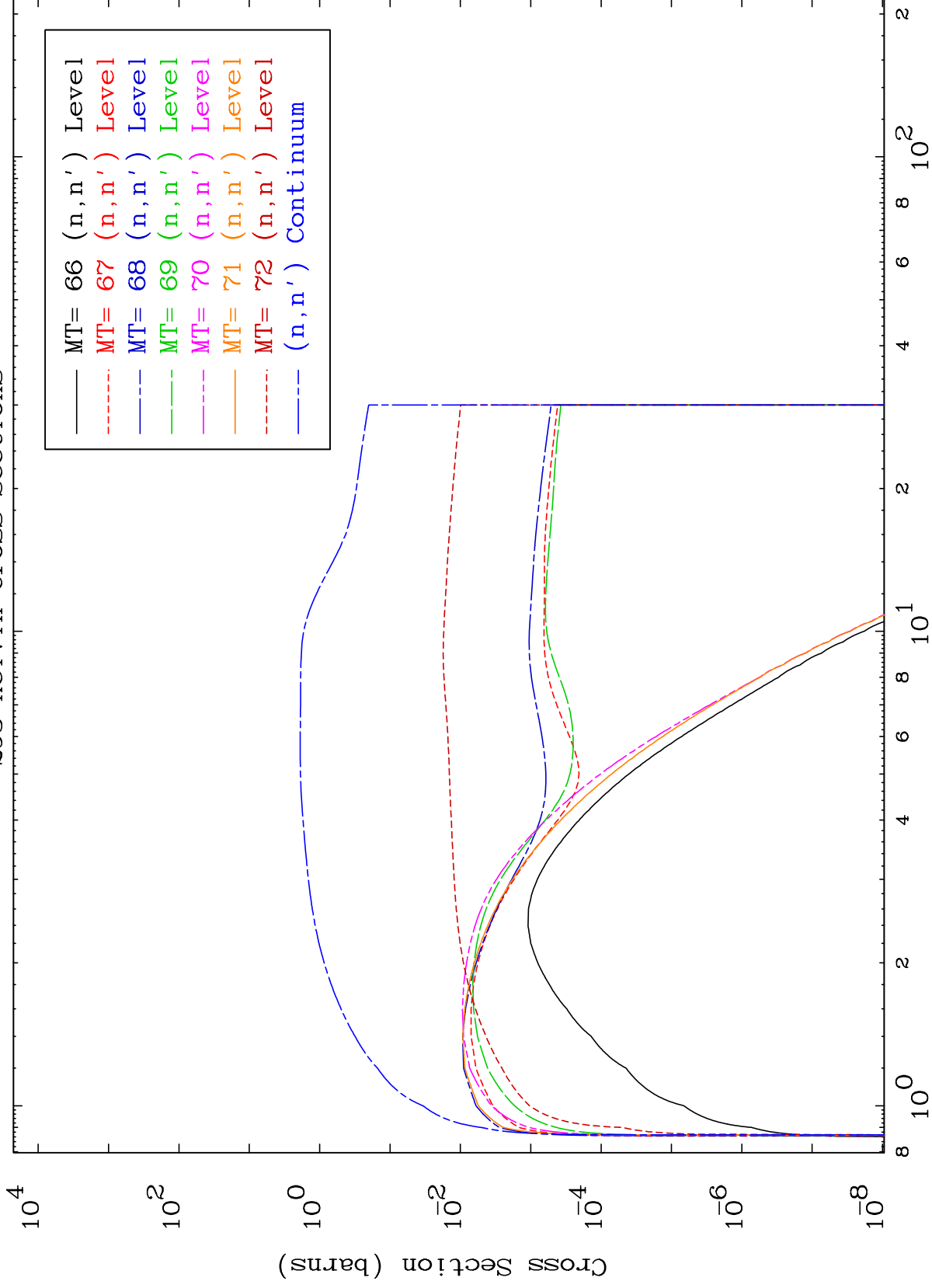
87-Fr-208

MAT 8713

(n,n') Level

87-Fr-208

293 Kelvin Cross Sections



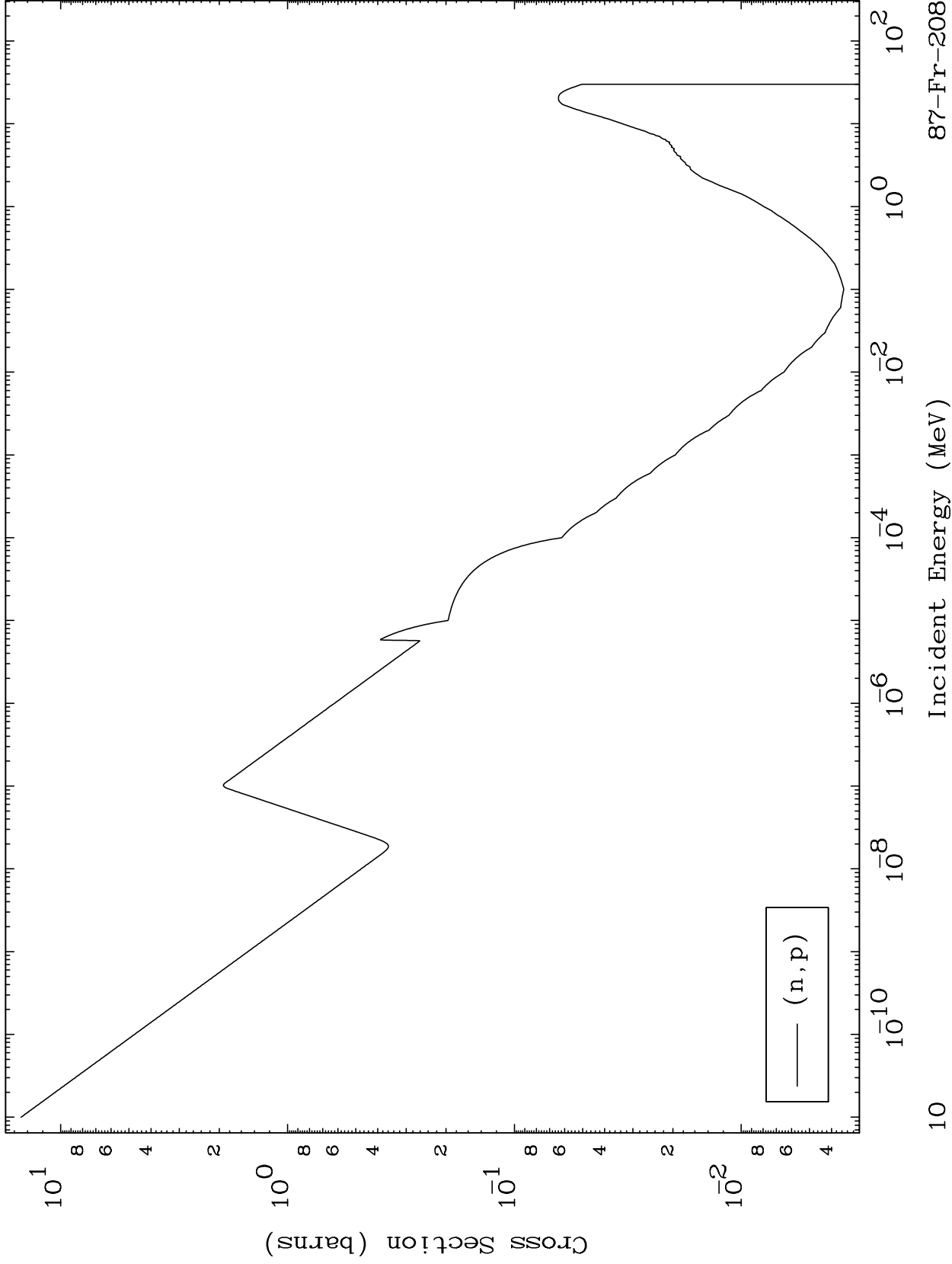
Incident Energy (MeV)

87-Fr-208

MAT 8713

(n,p) Levels
293 Kelvin Cross Sections

87-Fr-208

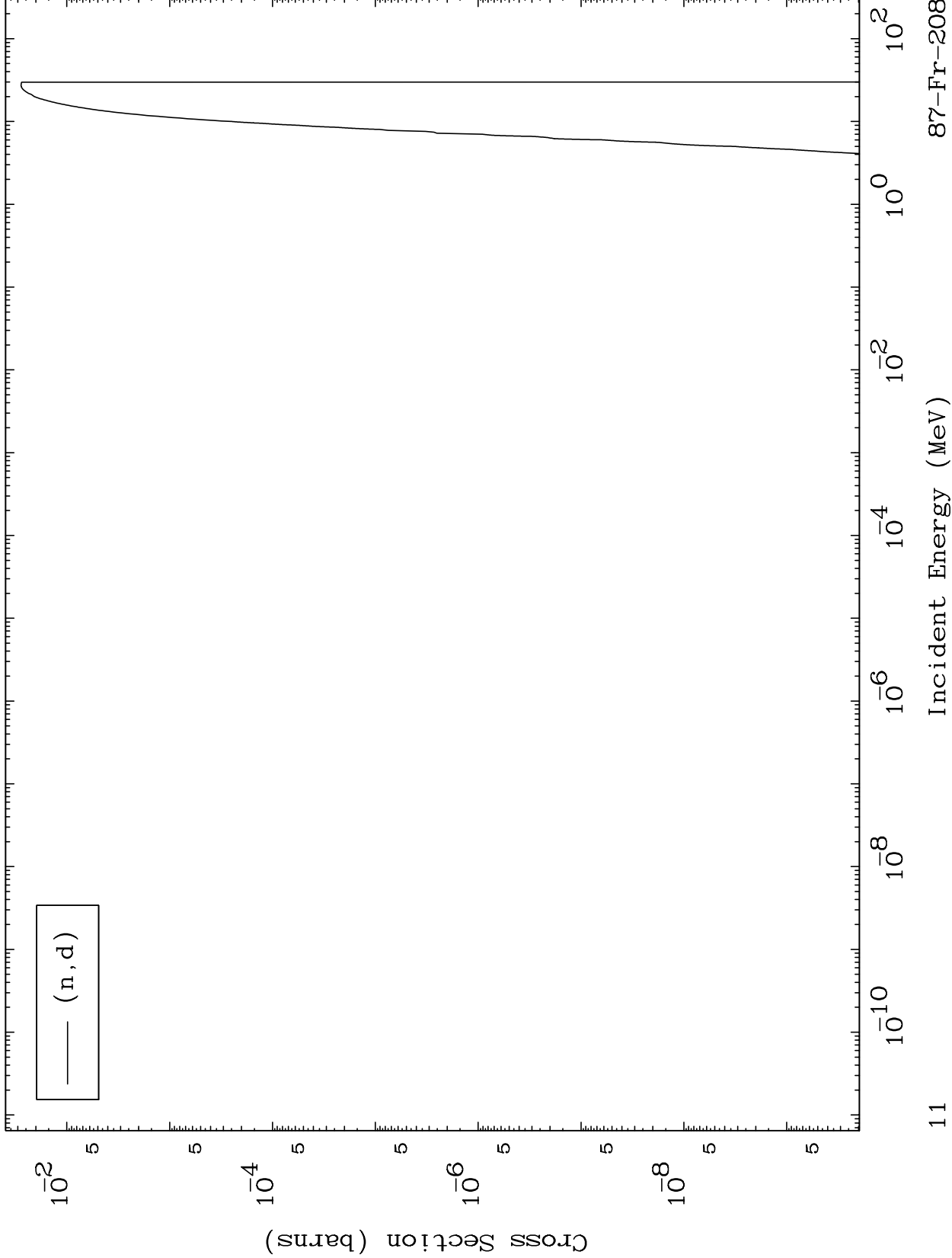


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MAT 8713

(n,d) Levels
293 Kelvin Cross Sections

87-Fr-208

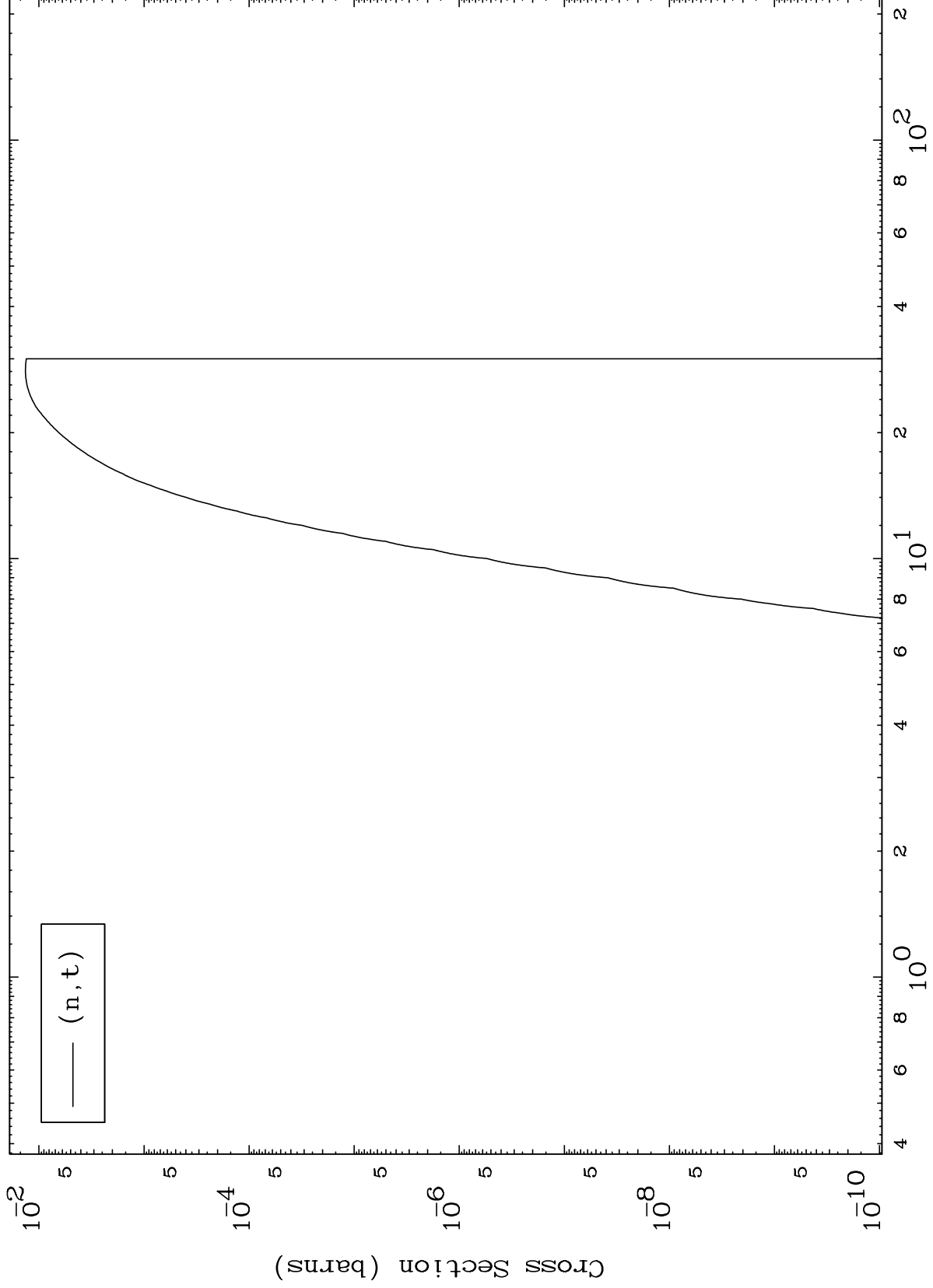


87-Fr-208

MAT 8713

(n,t) Levels
293 Kelvin Cross Sections

87-Fr-208



(n,t)

12

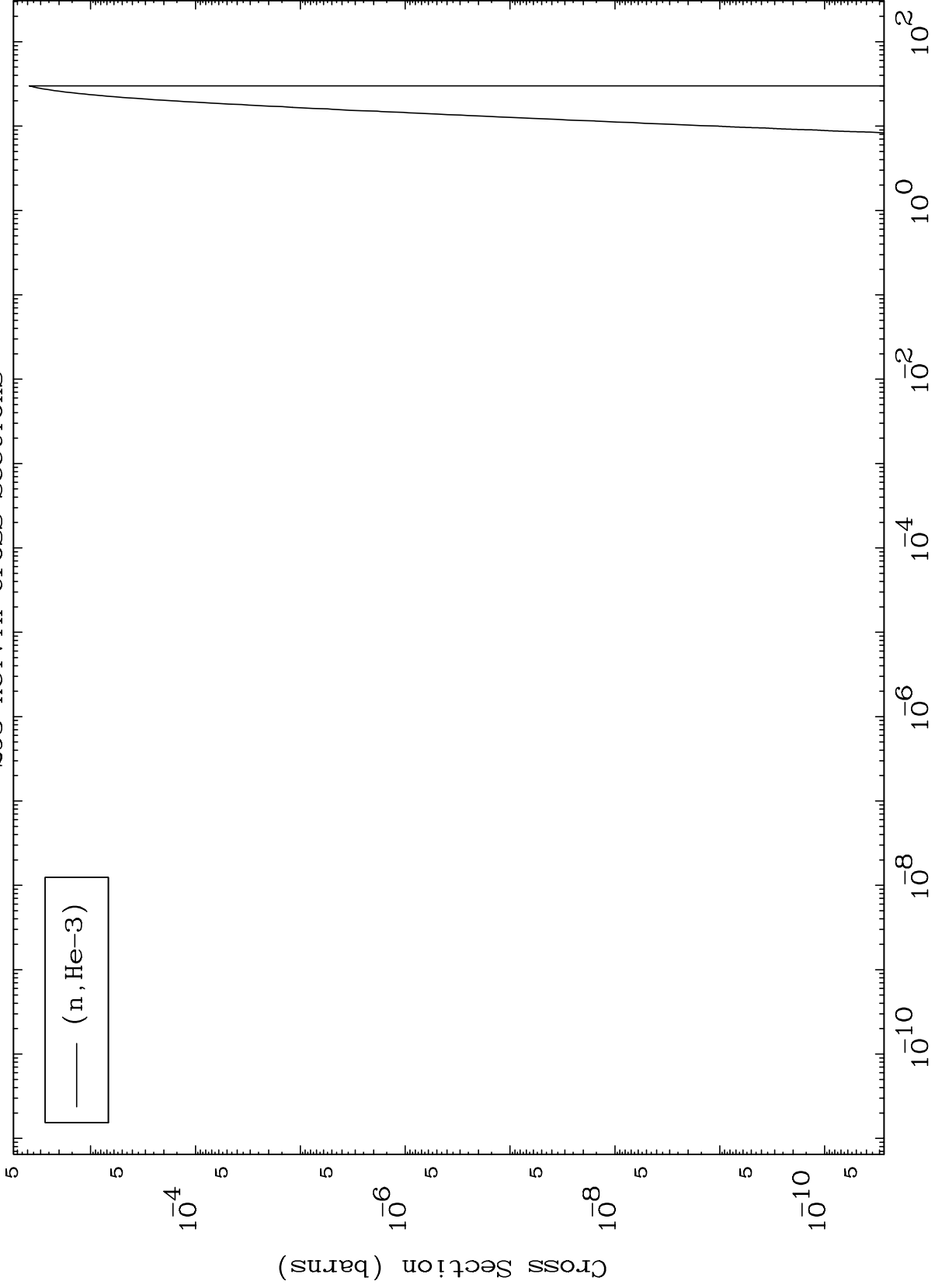
Incident Energy (MeV)

87-Fr-208

MAT 8713

(n,He3) Levels
293 Kelvin Cross Sections

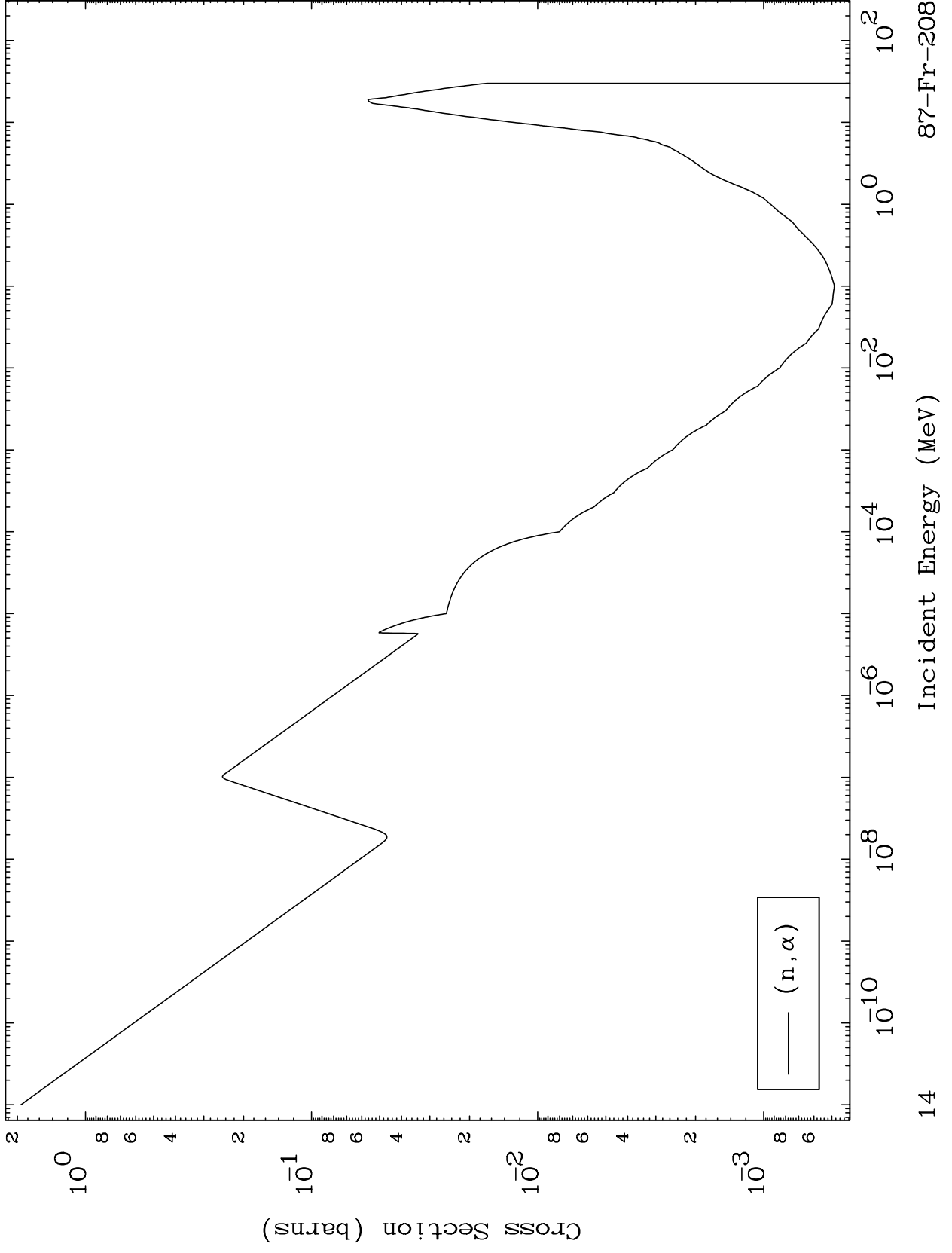
87-Fr-208

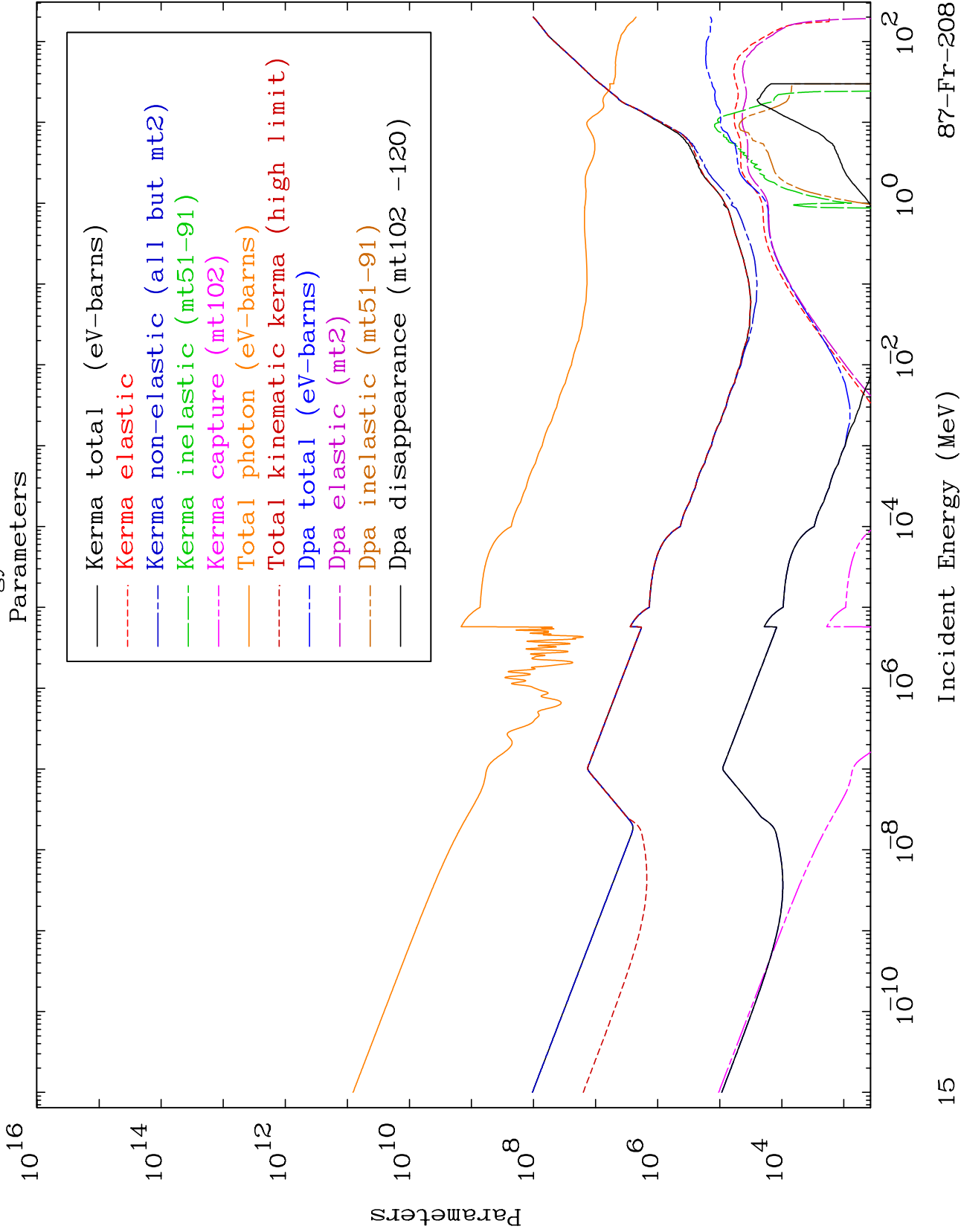


MAT 8713

(n,α) Levels
293 Kelvin Cross Sections

87-Fr-208

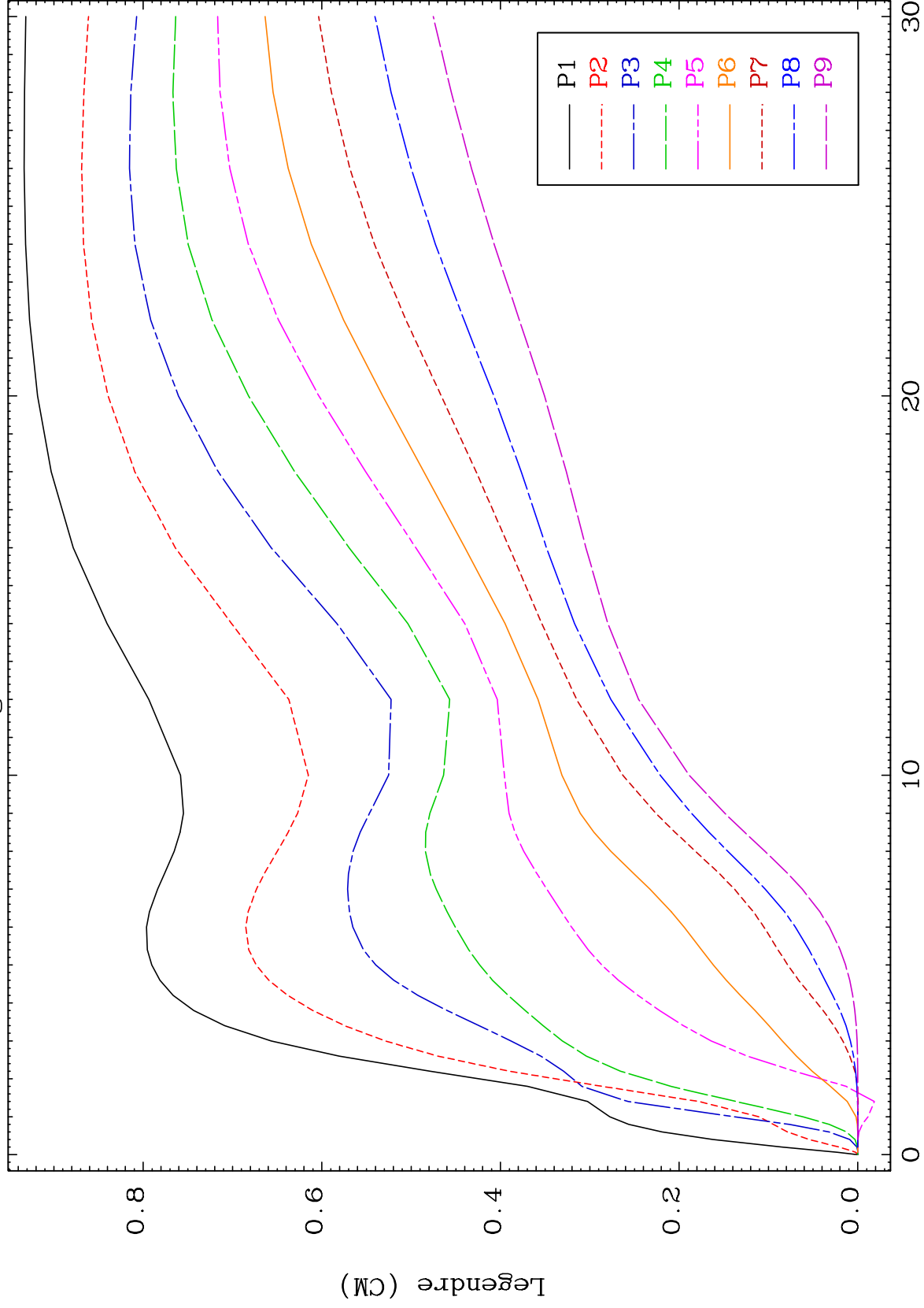




MAT 8713

Elastic Legendre Coefficients

87-Fr-208



16

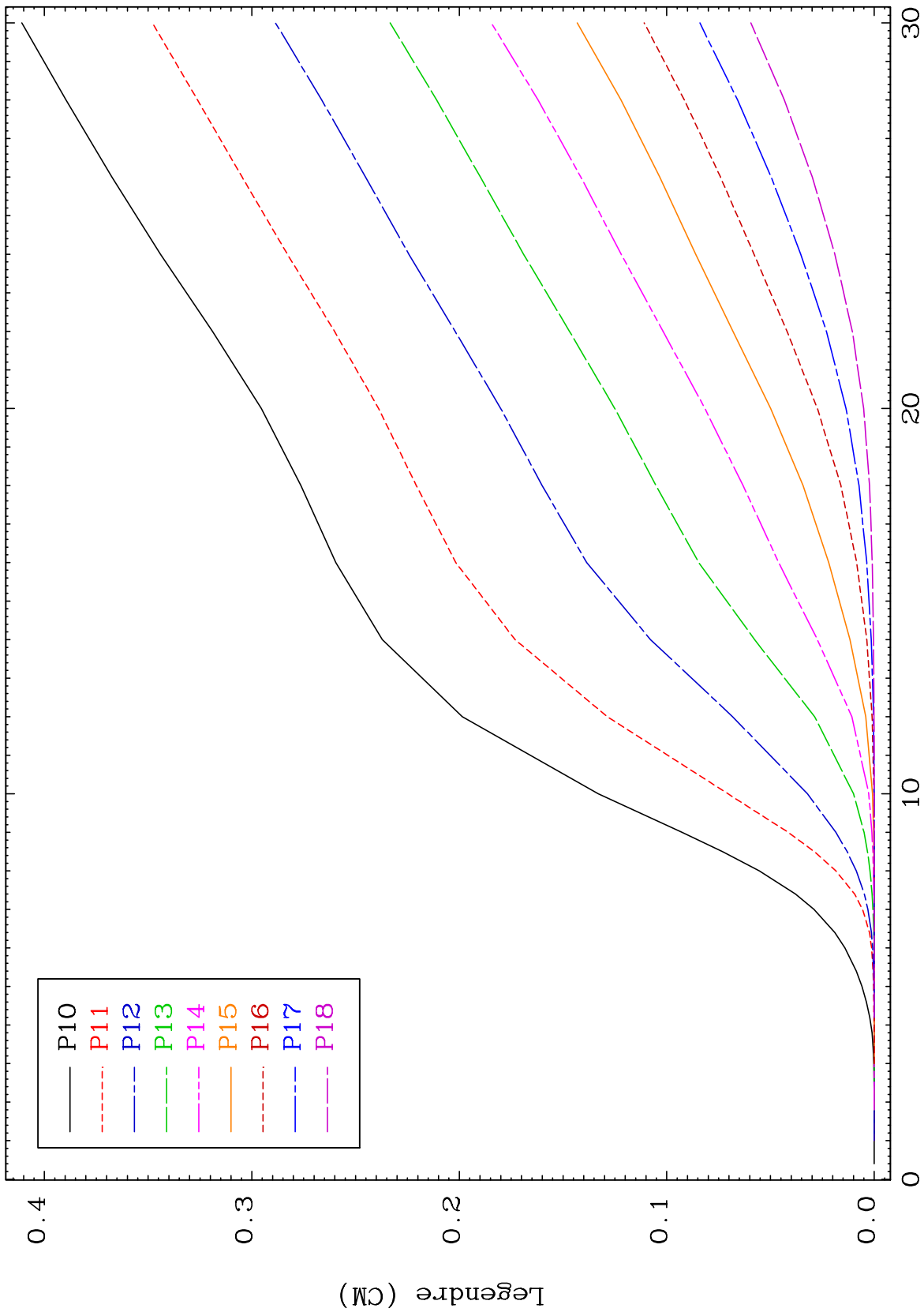
Incident Energy (MeV)

87-Fr-208

MAT 8713

Elastic Legendre Coefficients

87-Fr-208



17

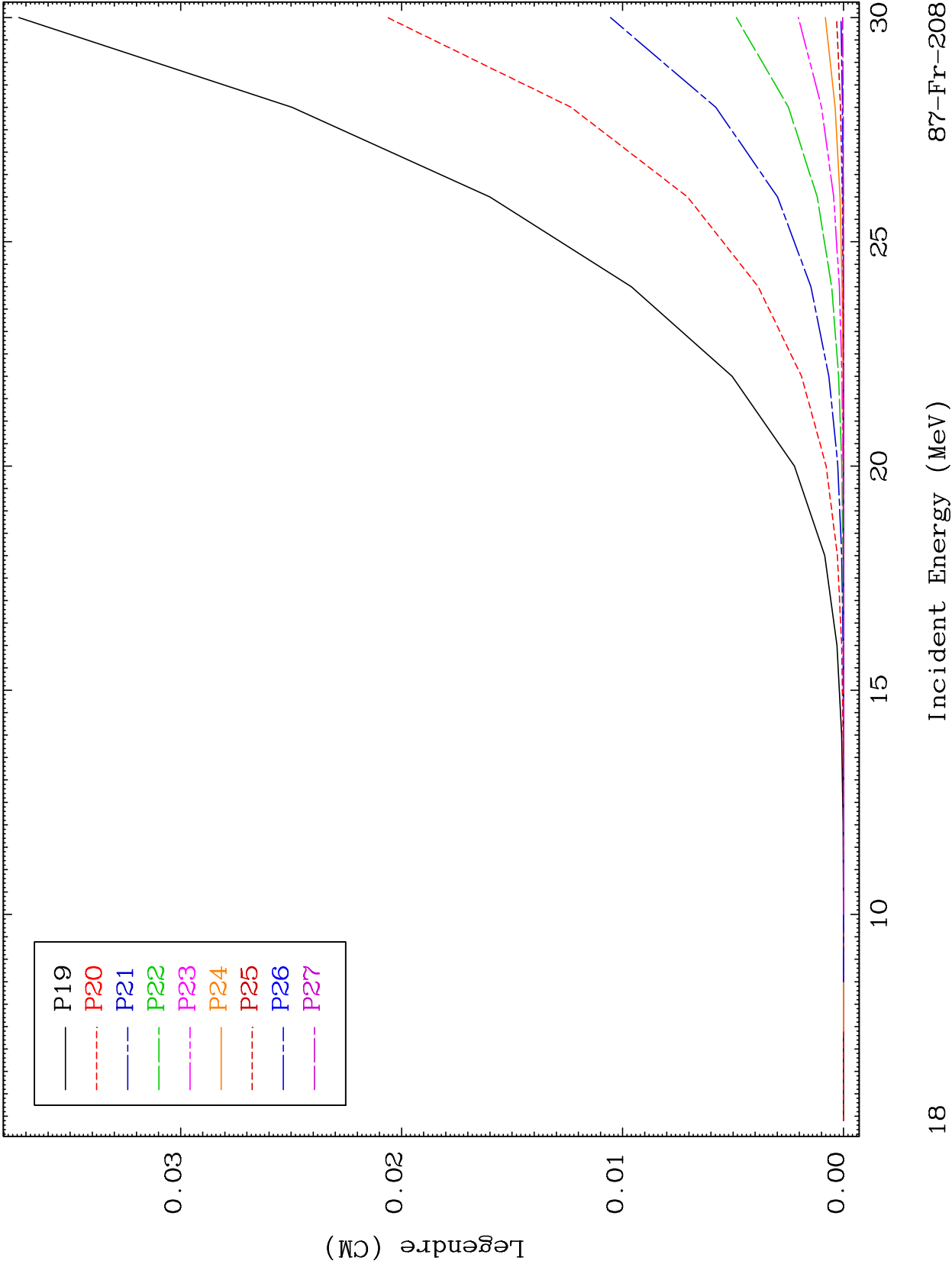
Incident Energy (MeV)

87-Fr-208

MAT 8713

Elastic Legendre Coefficients

87-Fr-208



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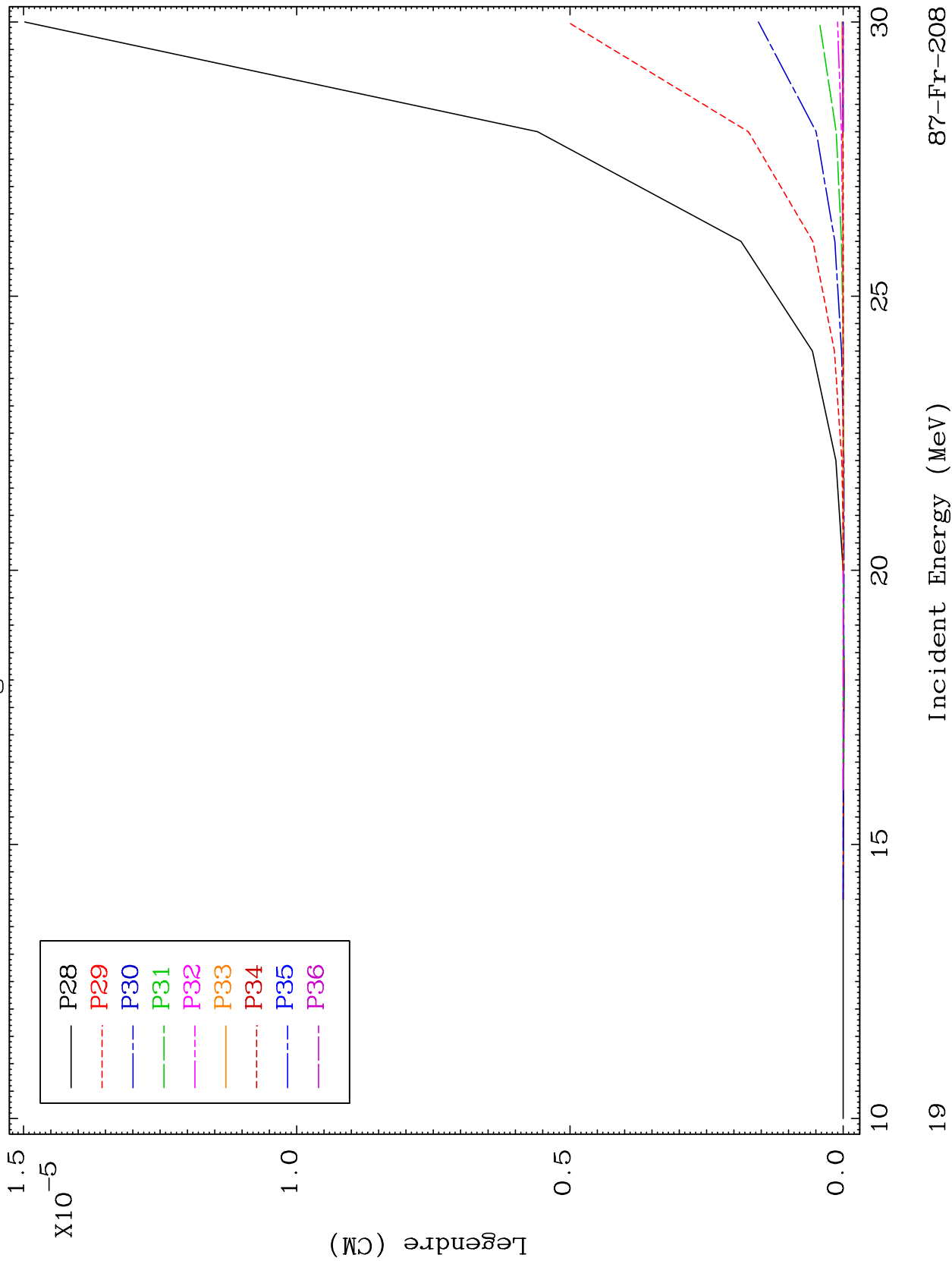
Incident Energy (MeV)

87-Fr-208

MAT 8713

Elastic
Legendre Coefficients

87-Fr-208



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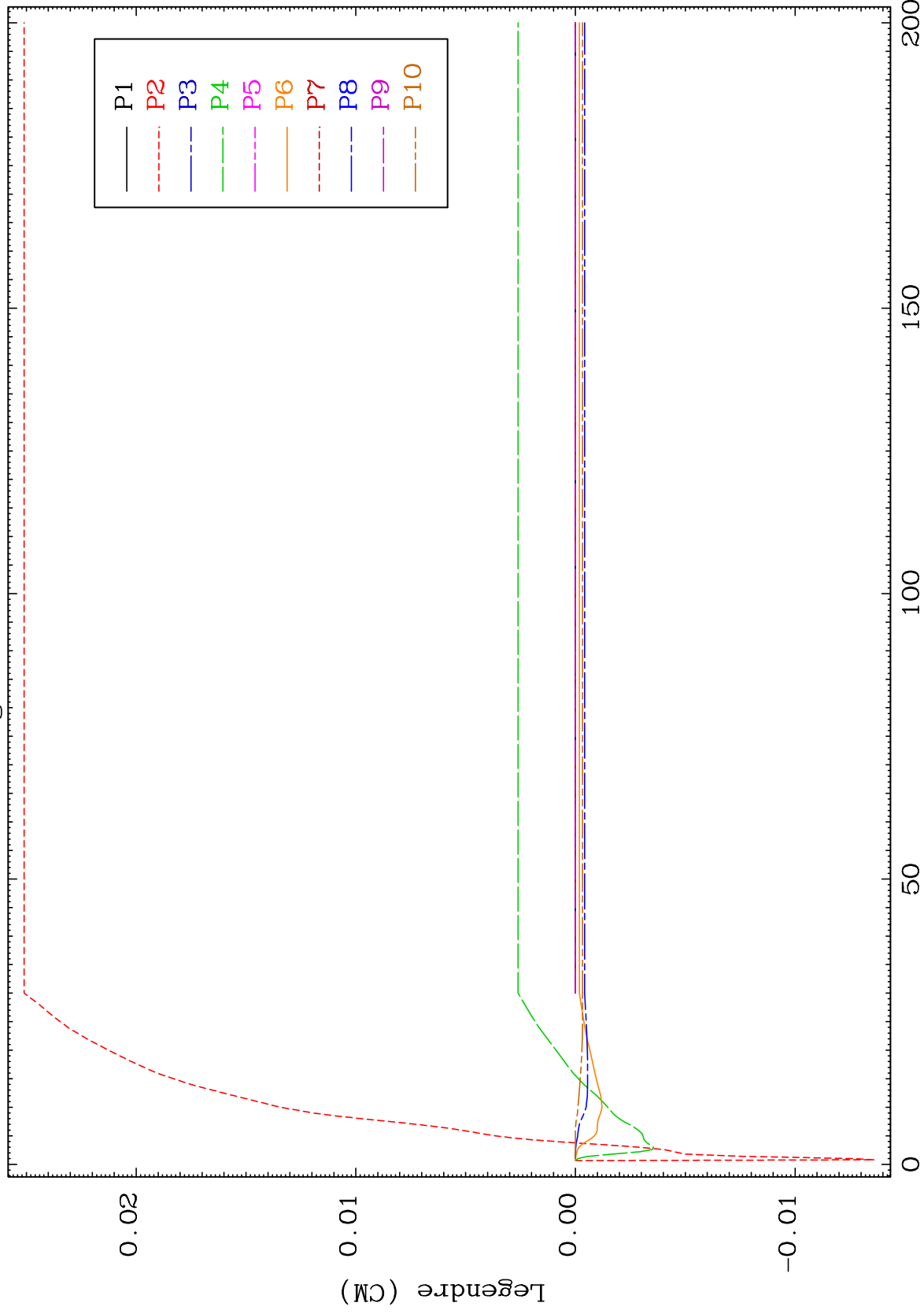
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



87-Fr-208

Incident Energy (MeV)

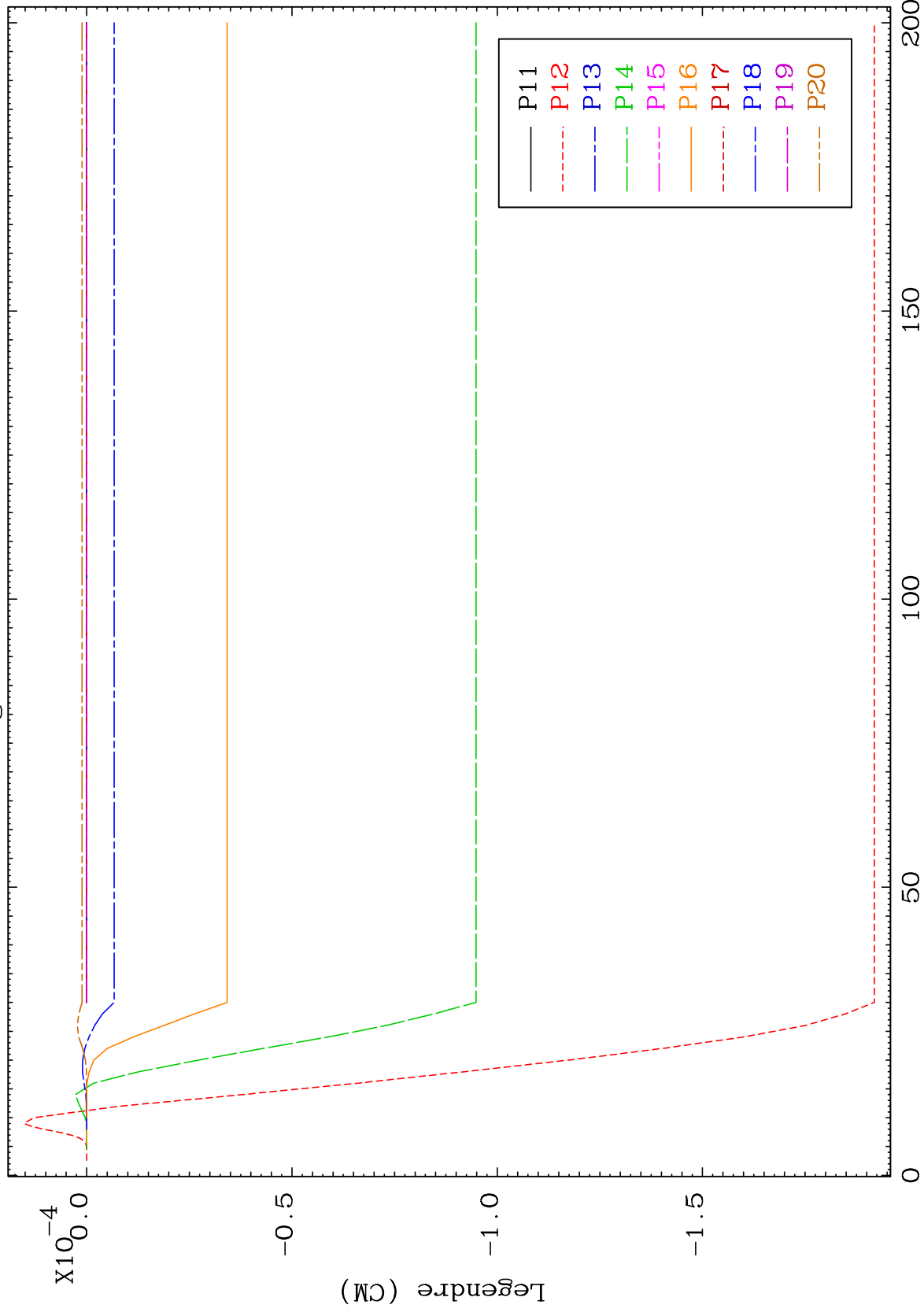
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MAT 8713

MT= 51 (n,n') Level

87-Fr-208

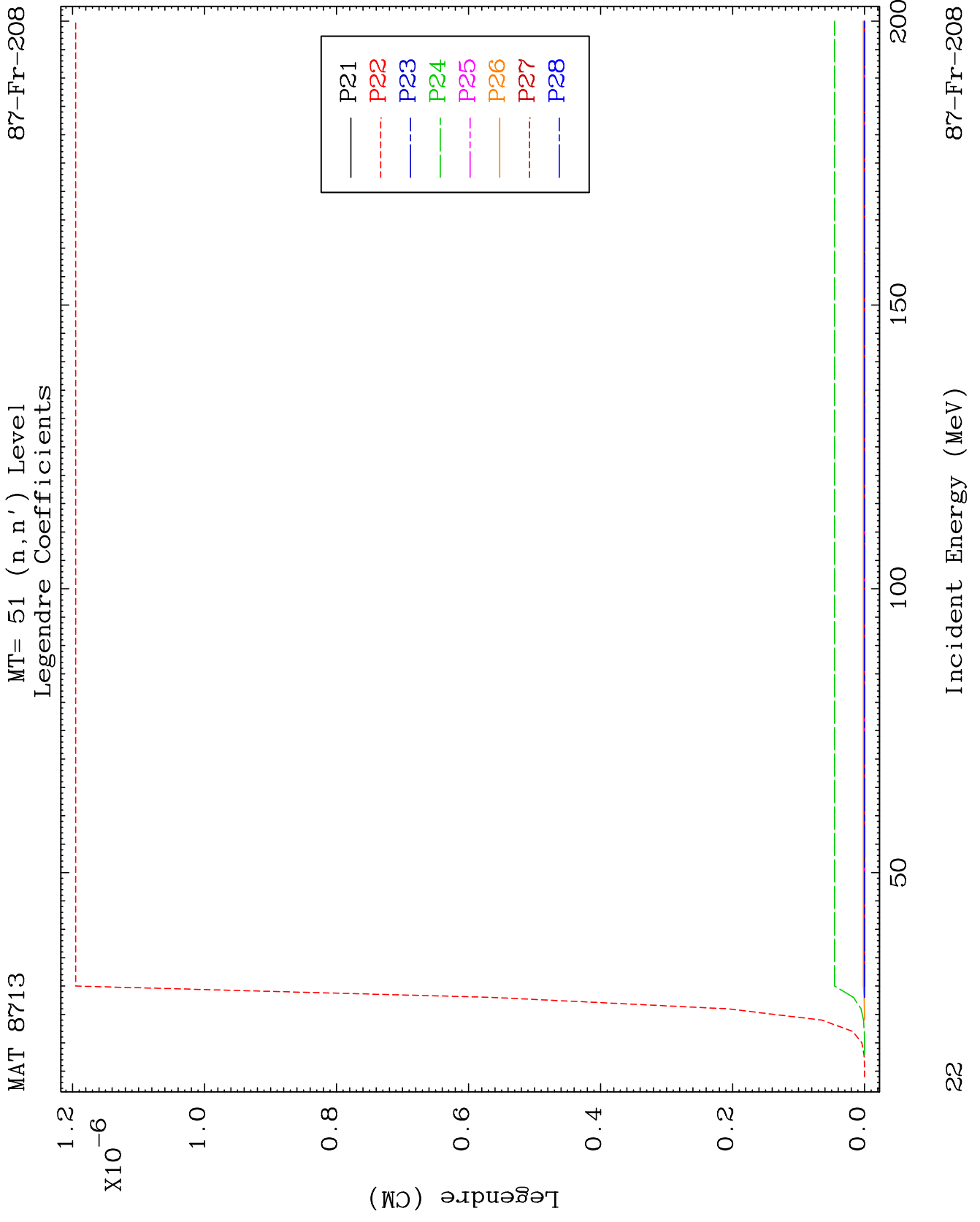
Legendre Coefficients



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Incident Energy (MeV)

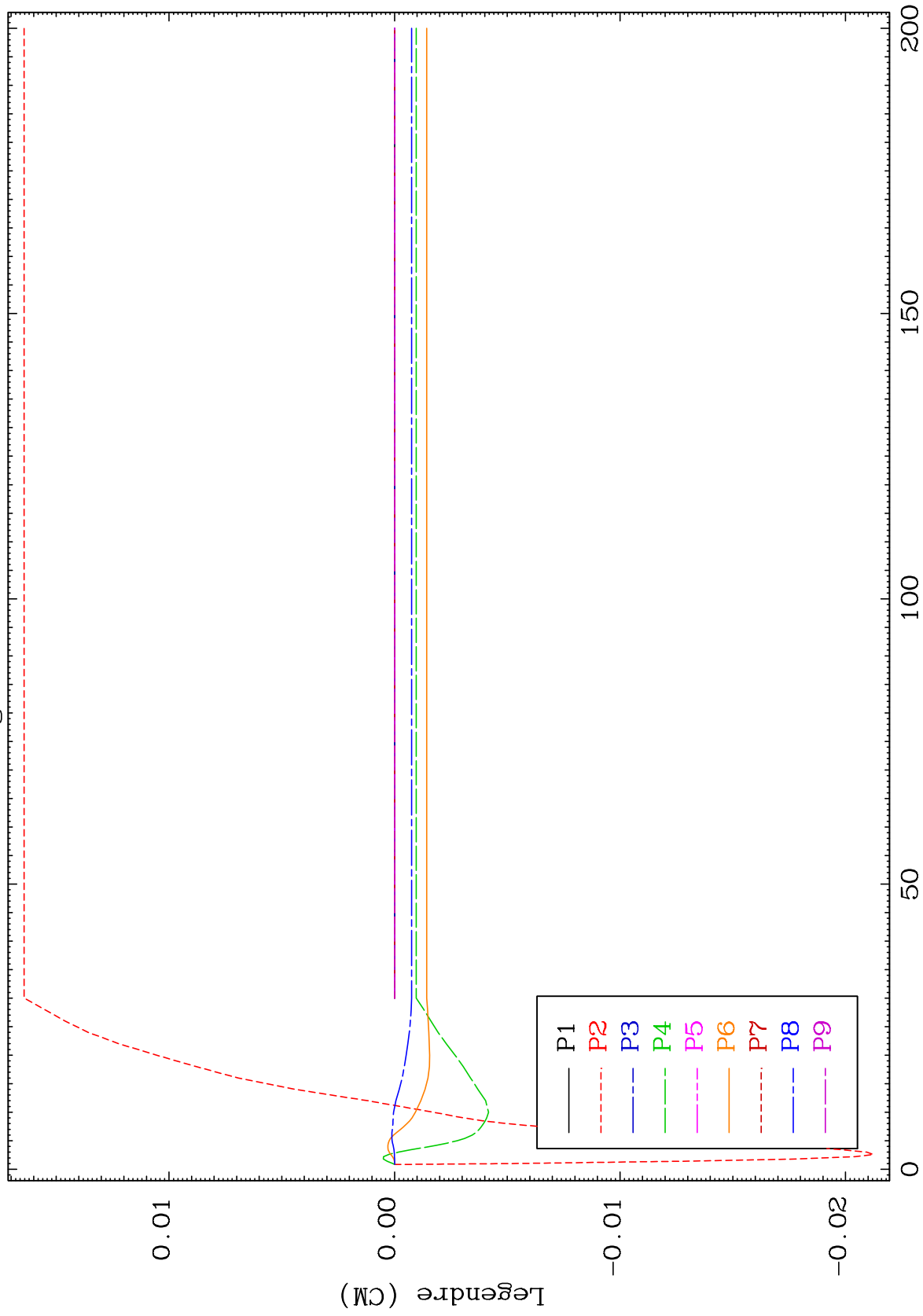
87-Fr-208



MAT 8713

87-Fr-208

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



23

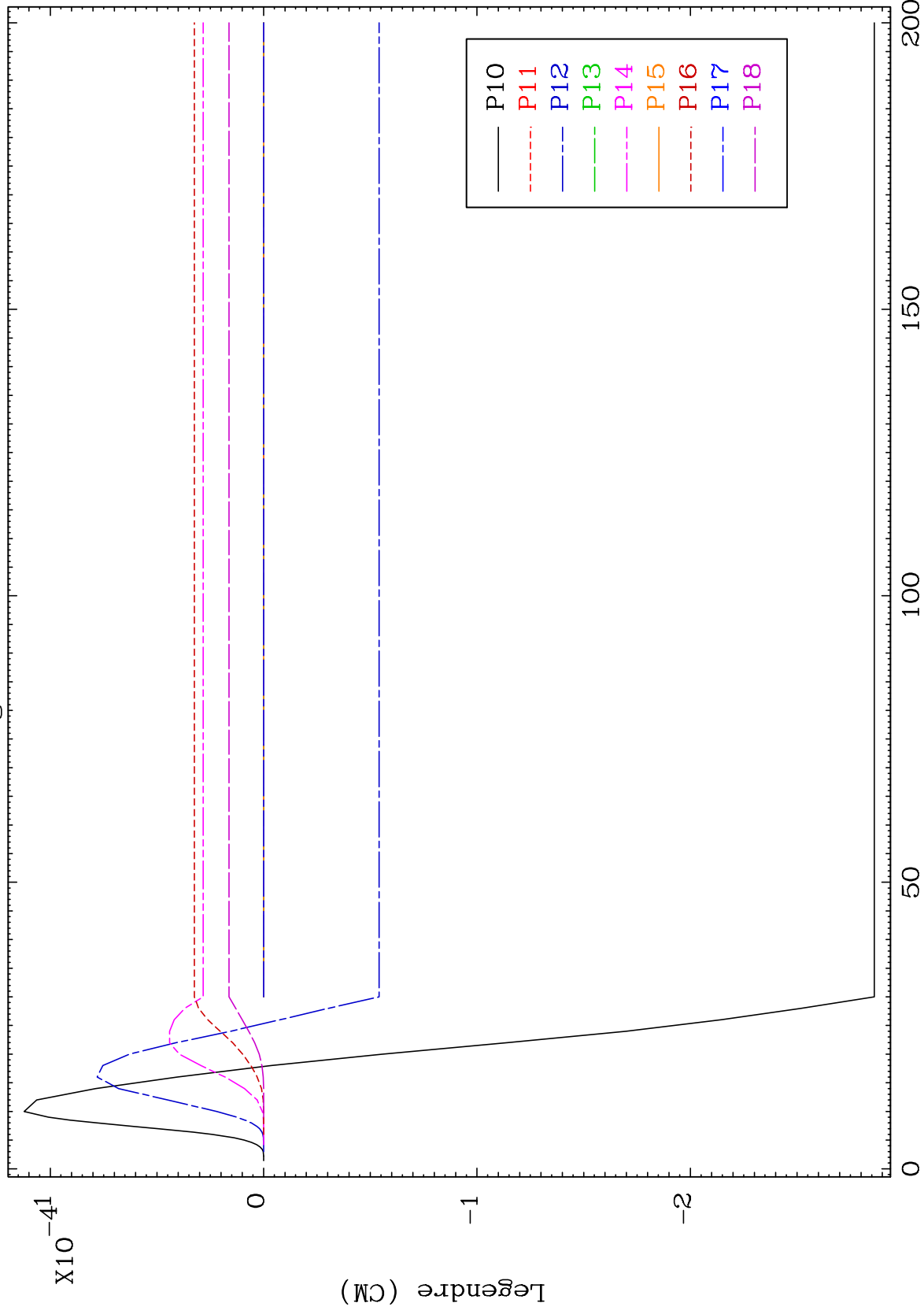
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

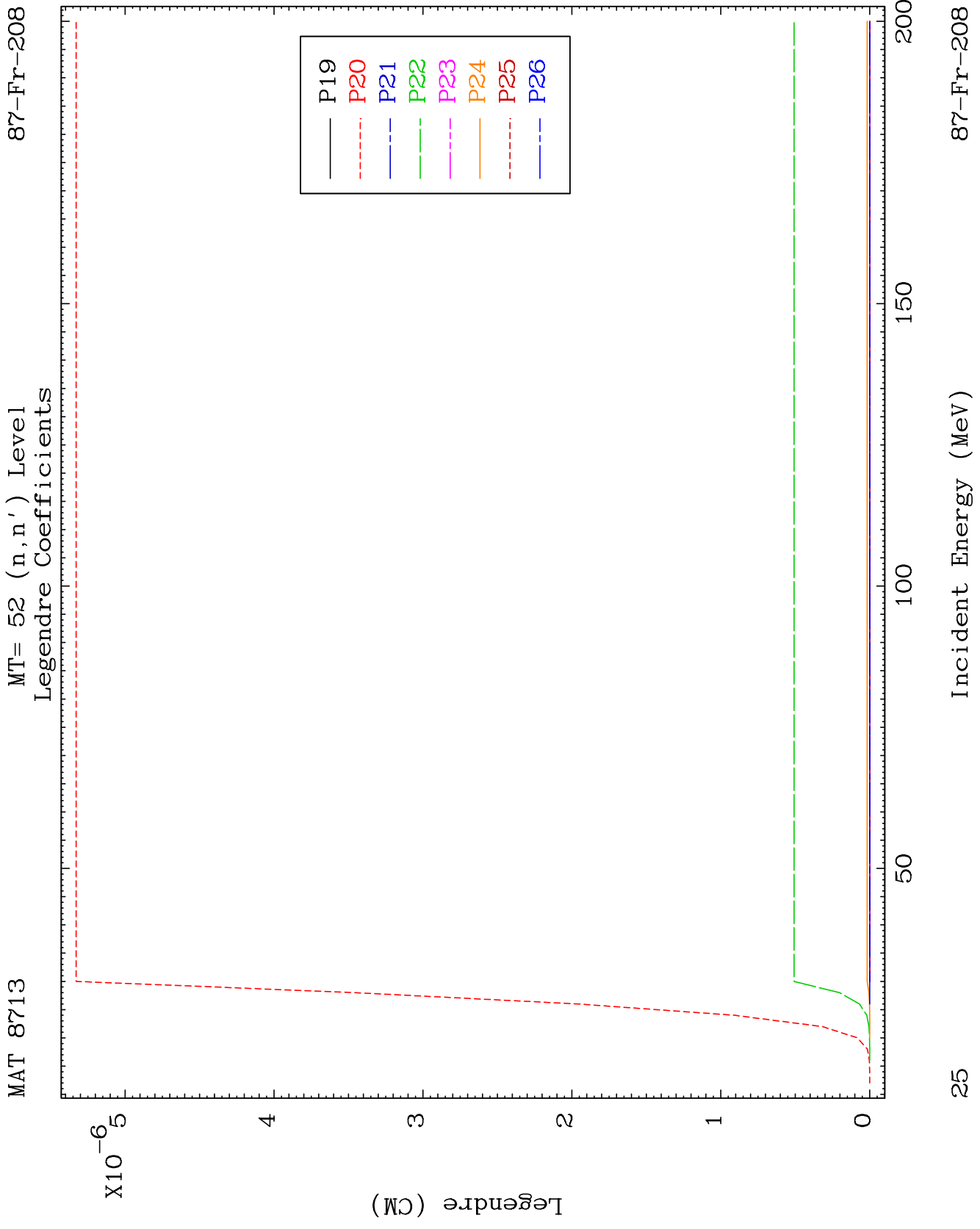
87-Fr-208



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Incident Energy (MeV)

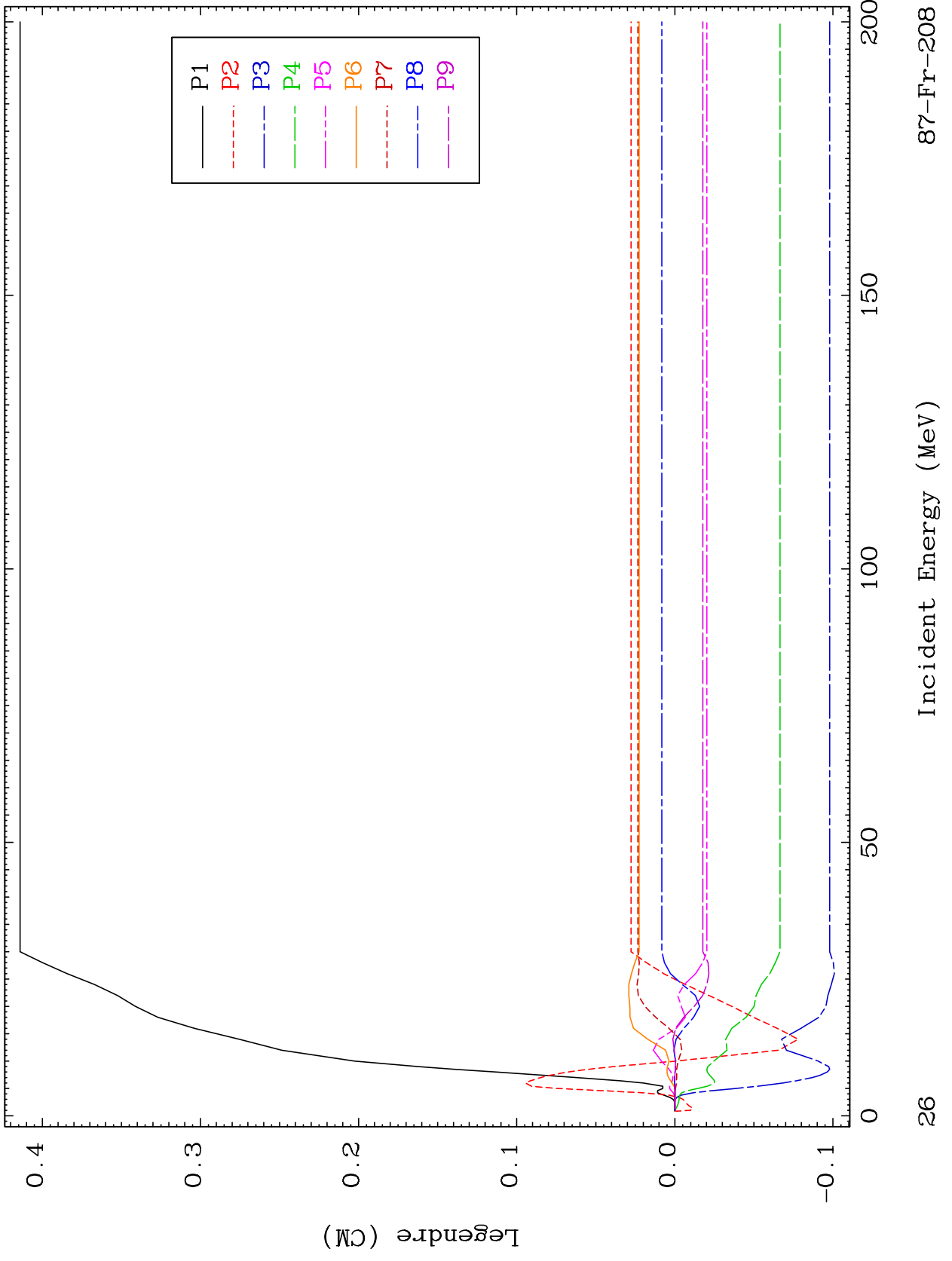
87-Fr-208



MAT 8713

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

87-Fr-208



87-Fr-208

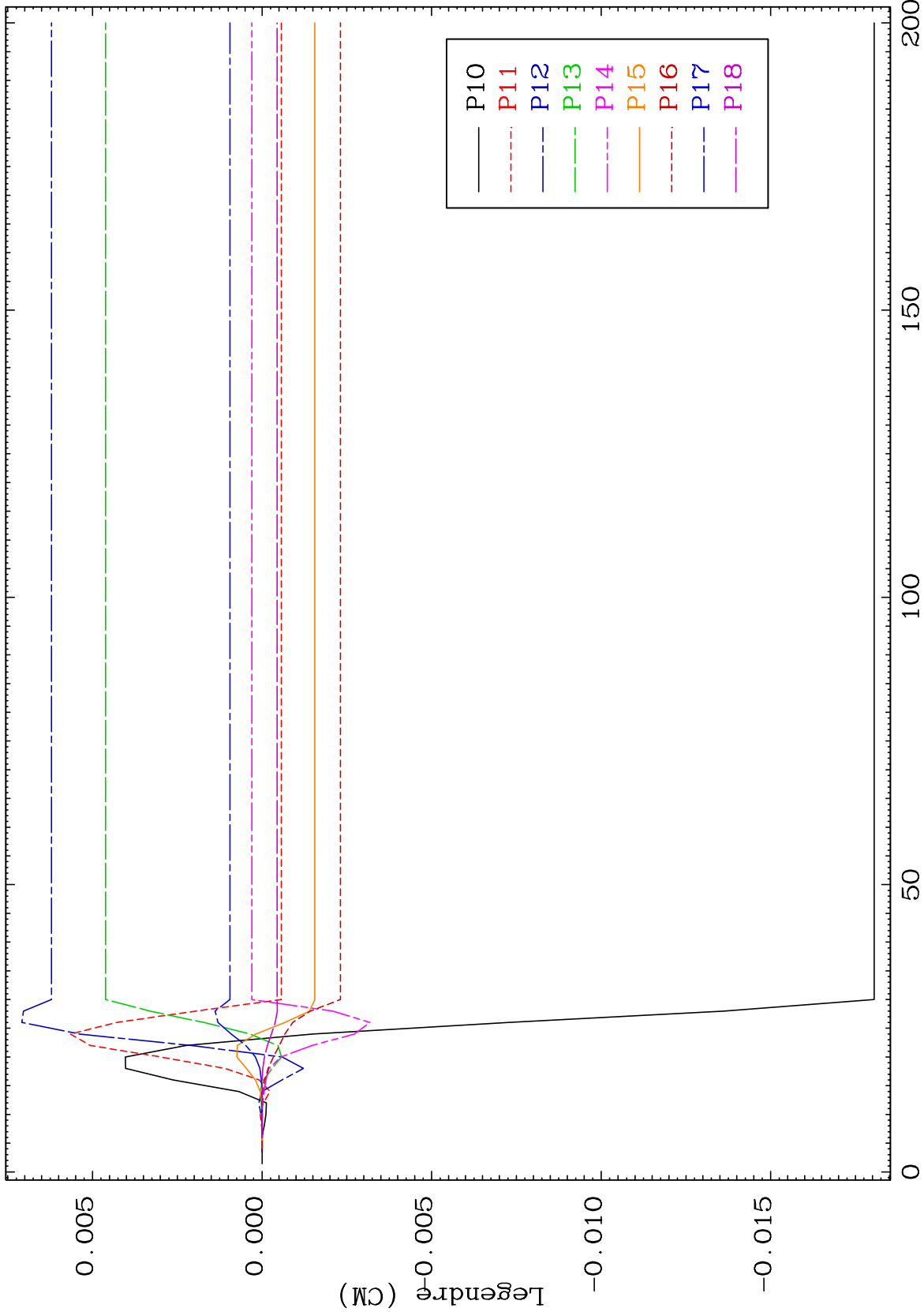
Incident Energy (MeV)

26

MAT 8713

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

87-Fr-208



27

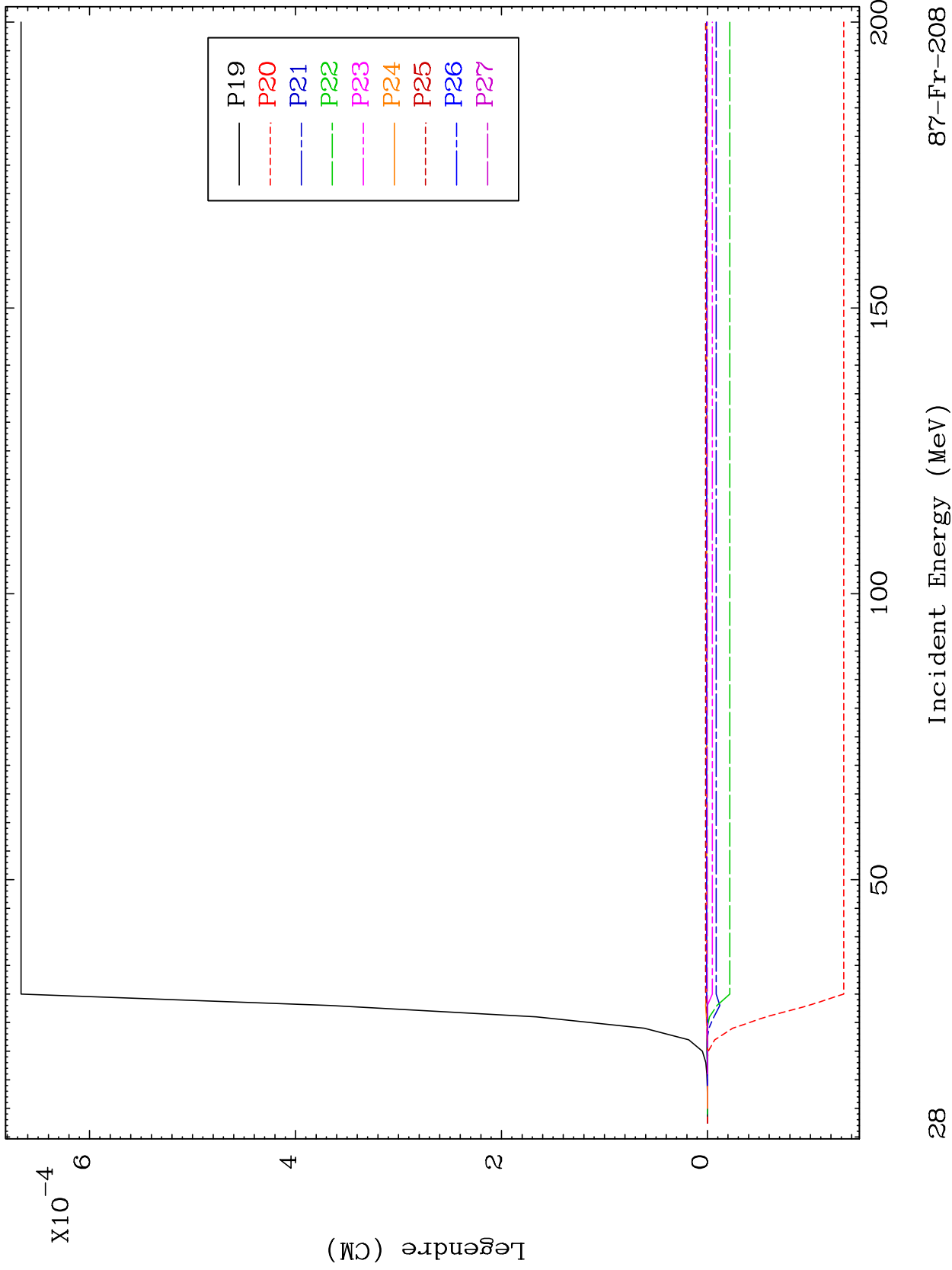
Incident Energy (MeV)

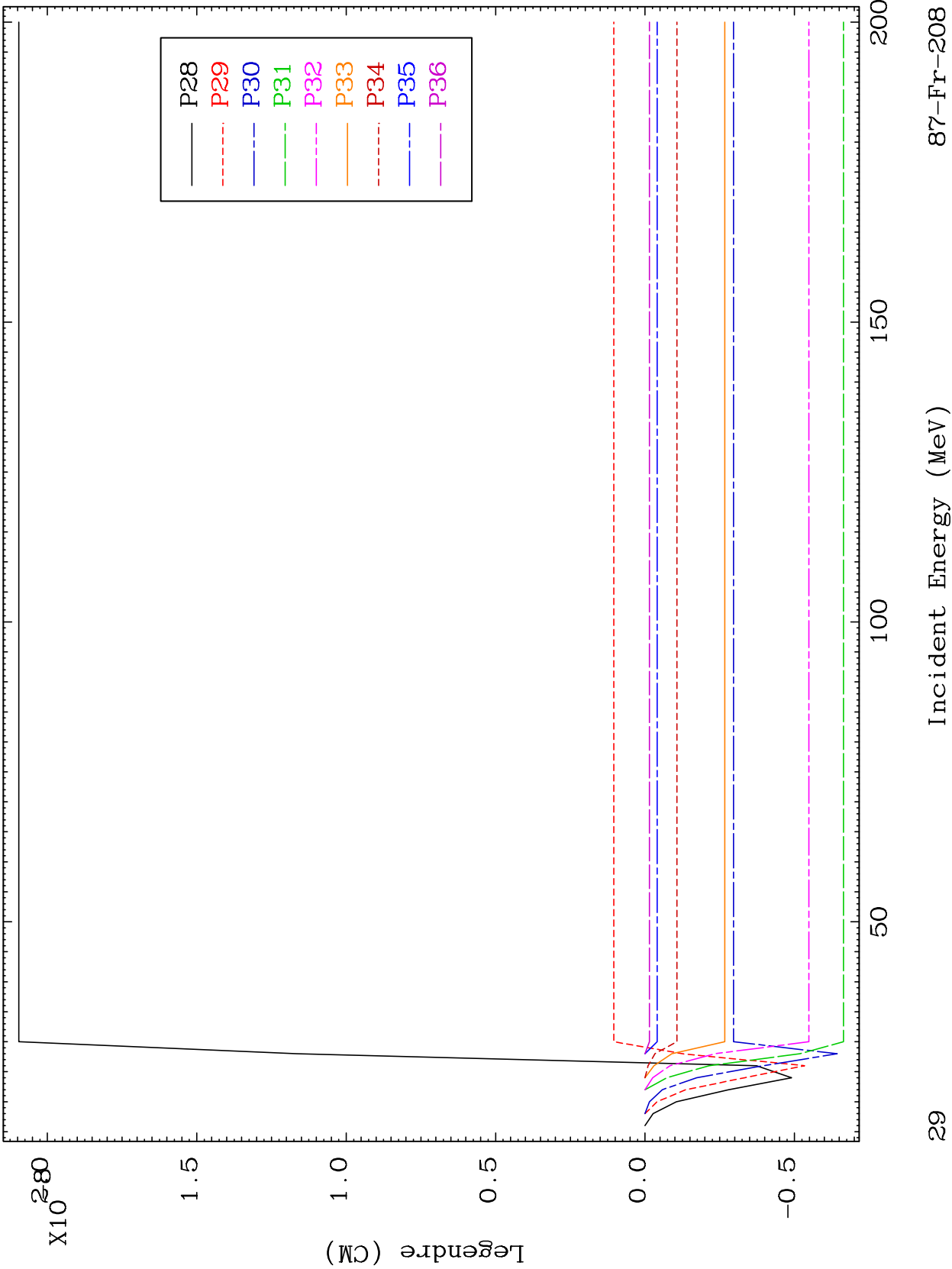
87-Fr-208

MAT 8713

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

87-Fr-208

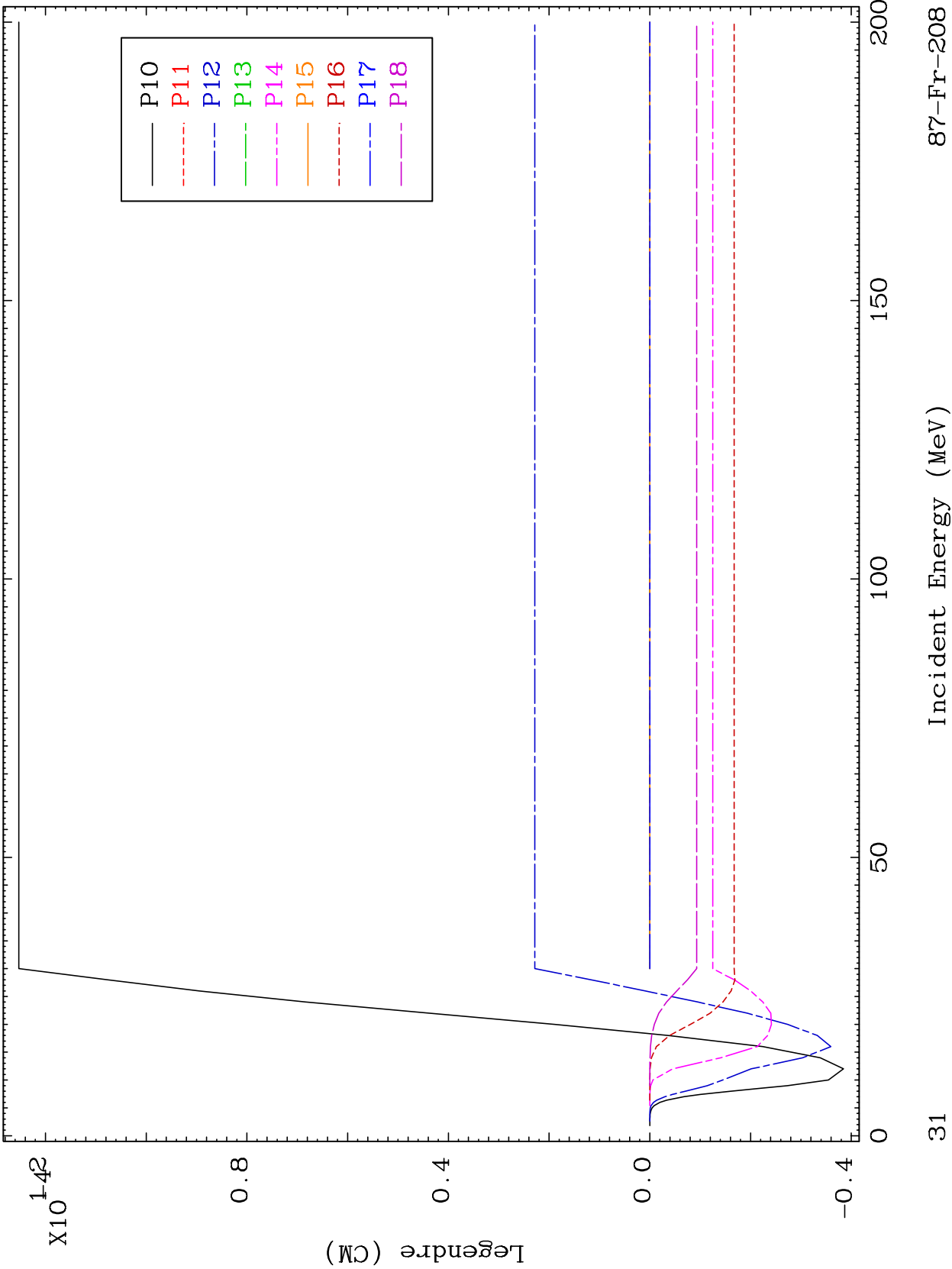




MAT 8713

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

87-Fr-208



31

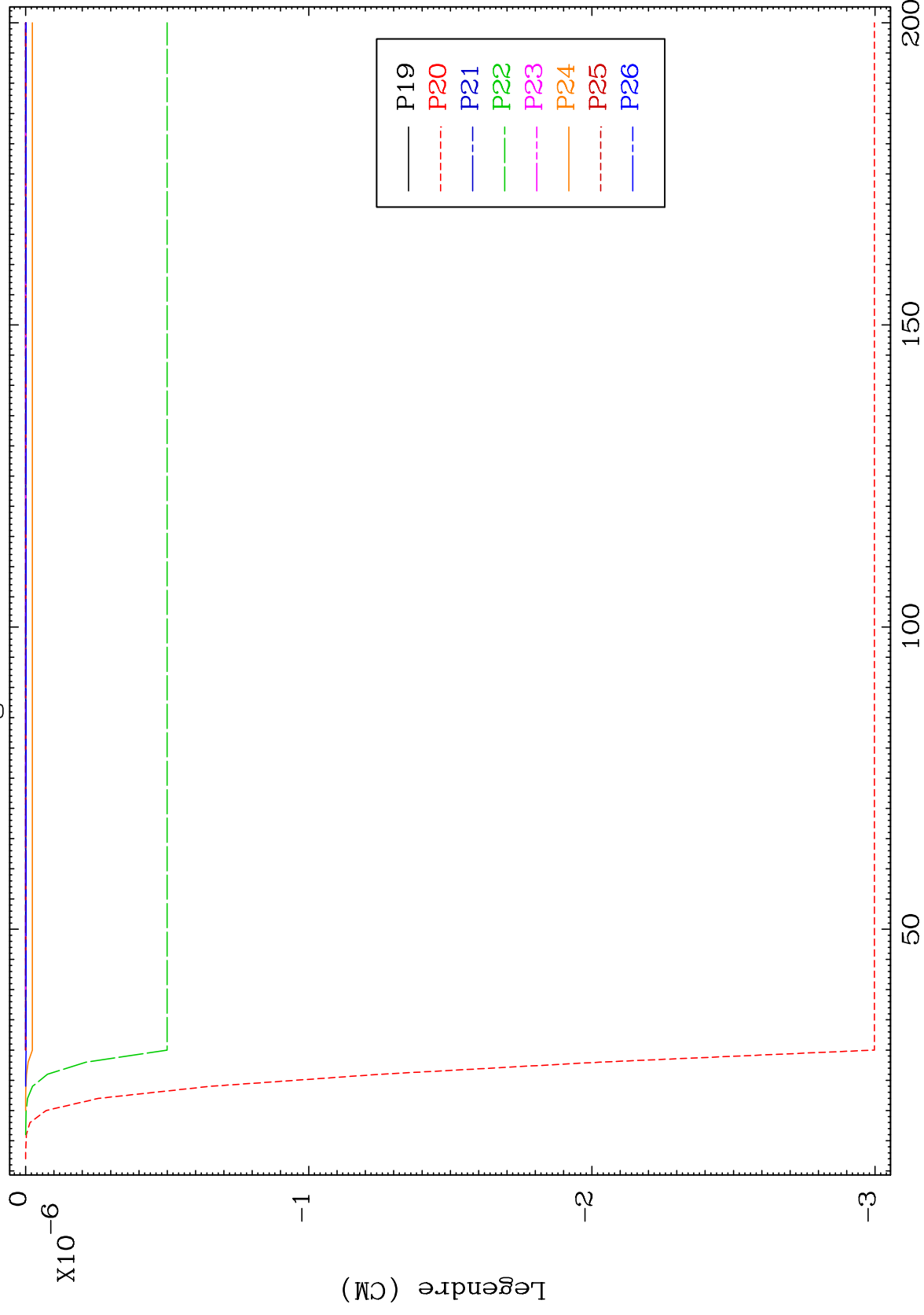
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



32

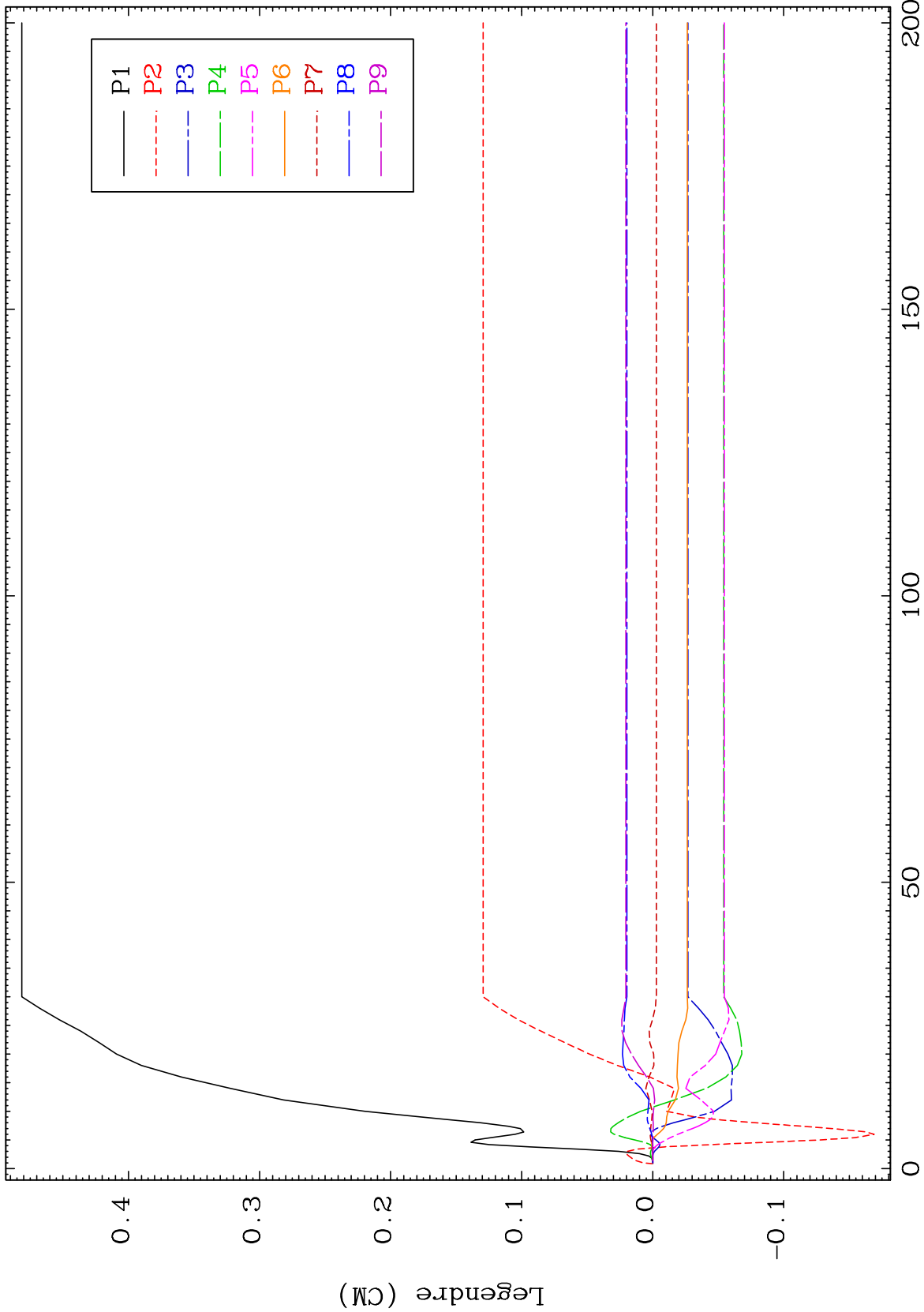
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



33

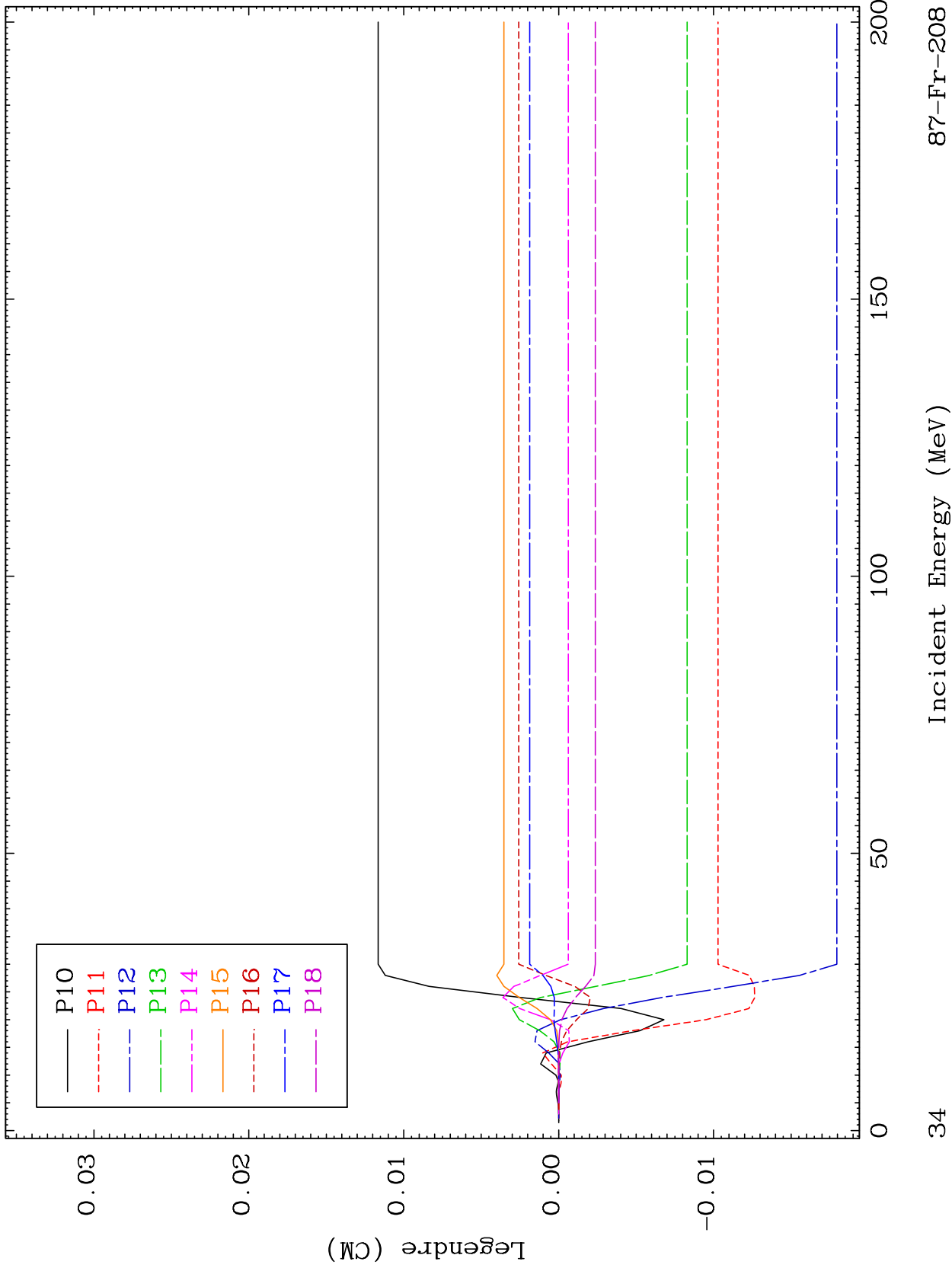
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208

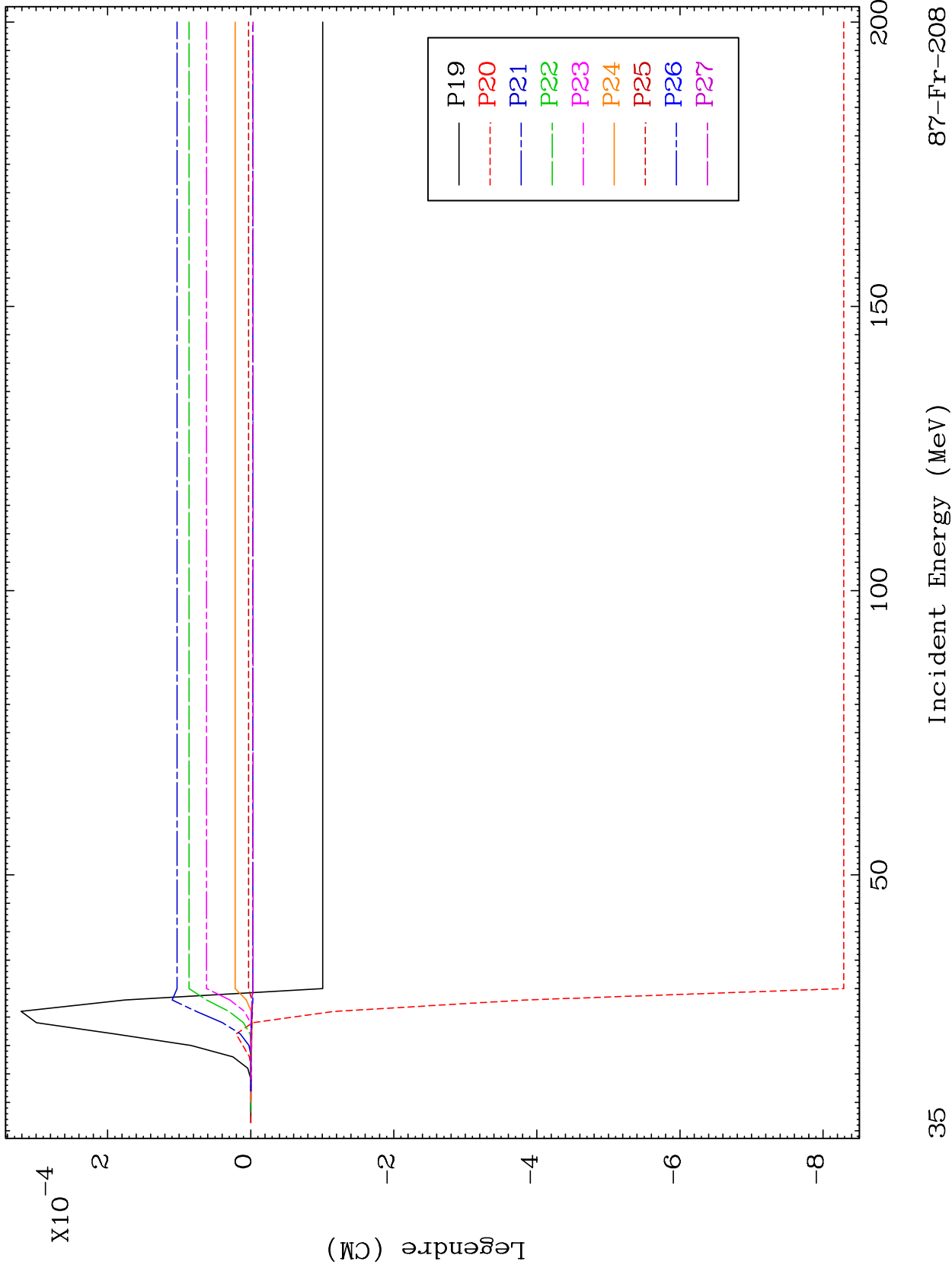


34

MAT 8713

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

87-Fr-208



35

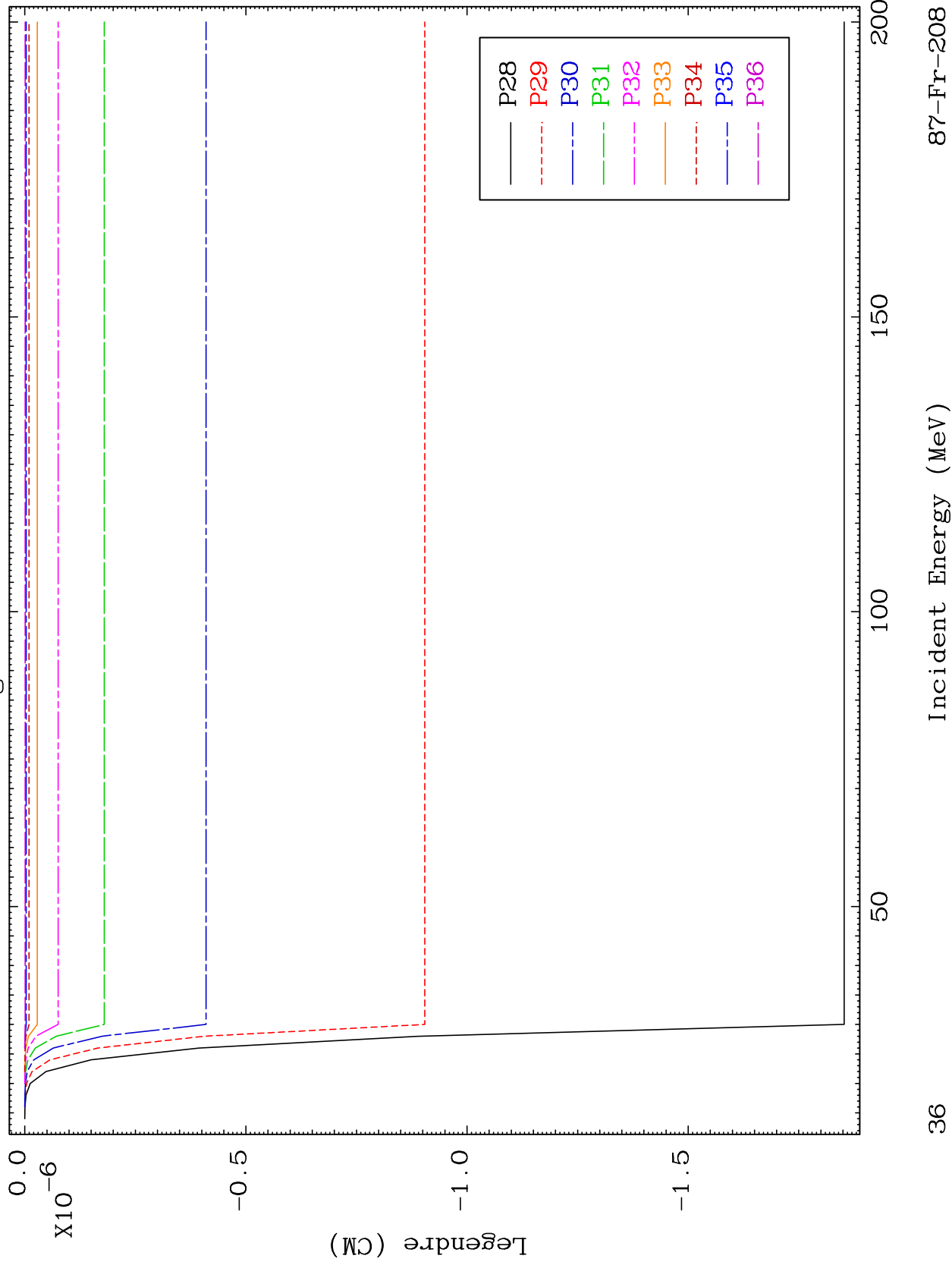
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



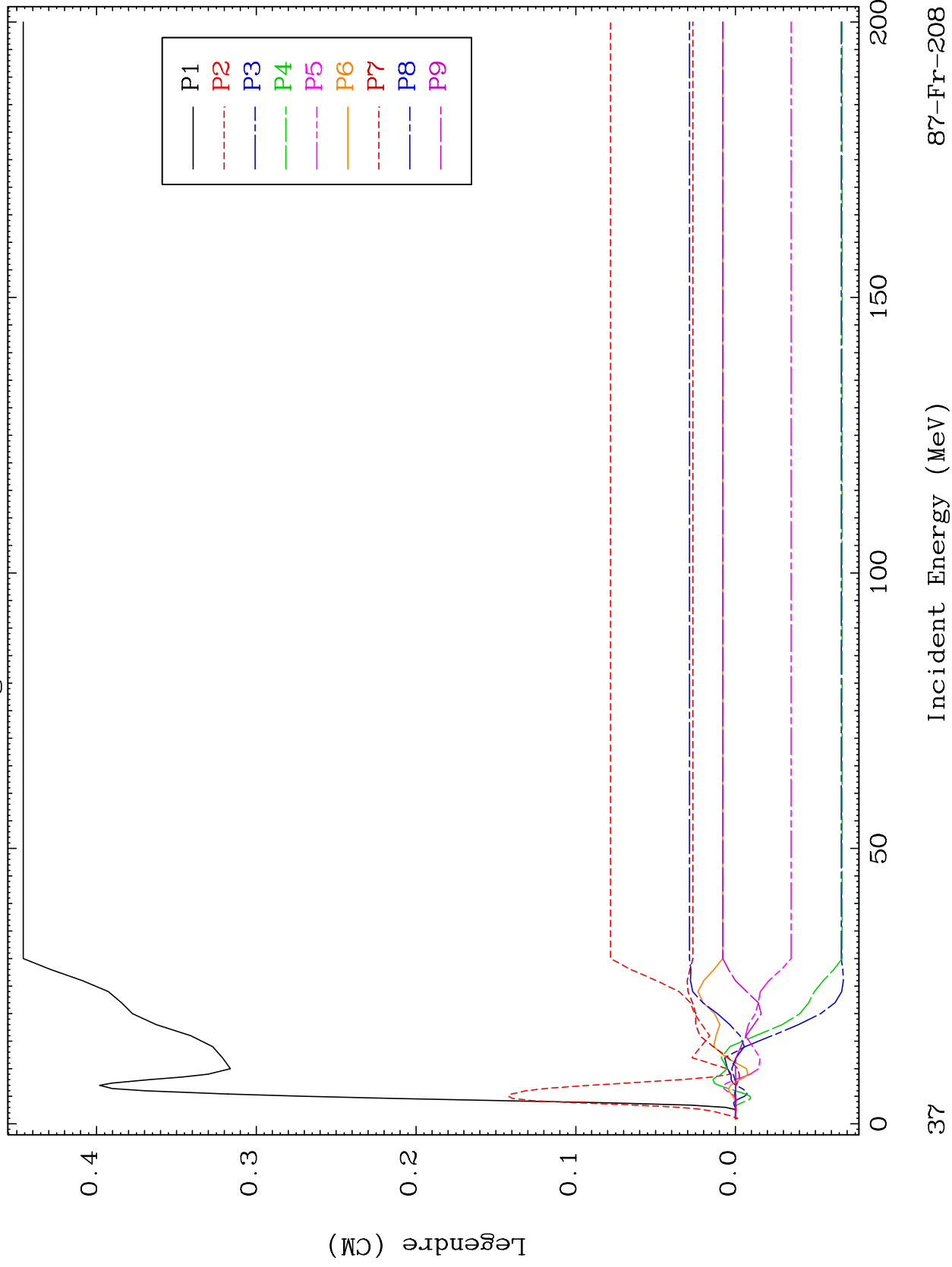
36

87-Fr-208

MAT 8713

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

87-Fr-208



37

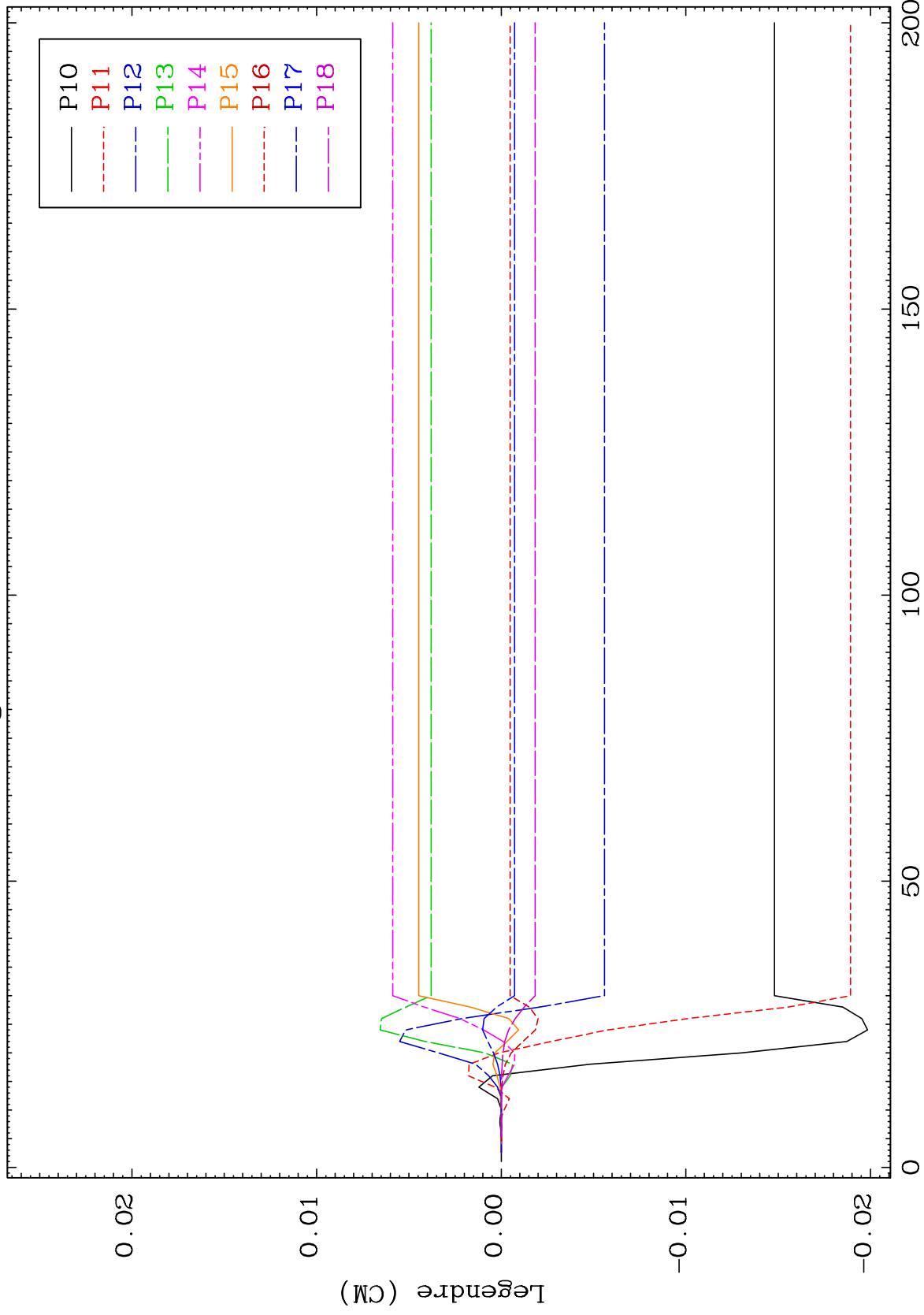
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



38

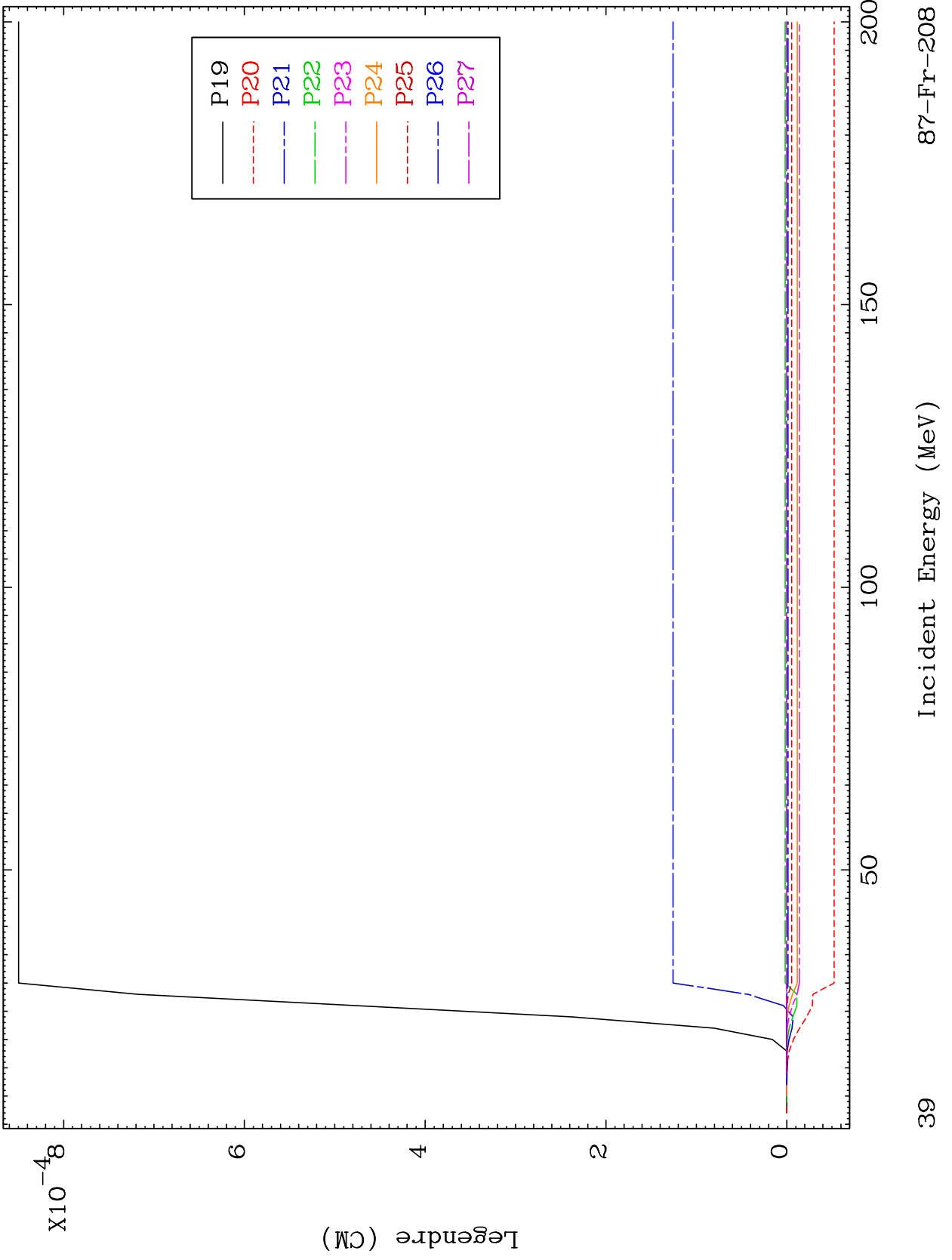
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



39

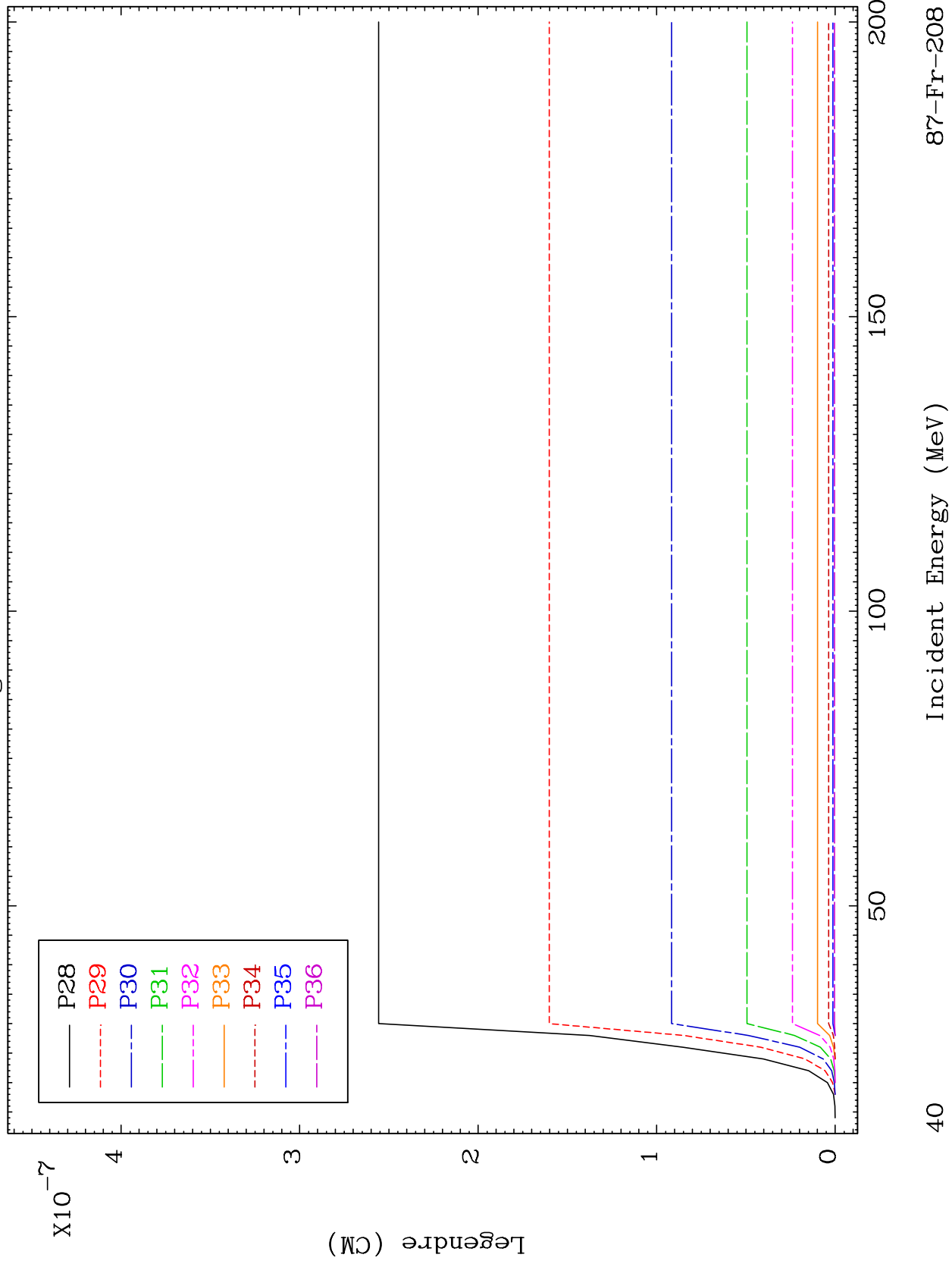
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

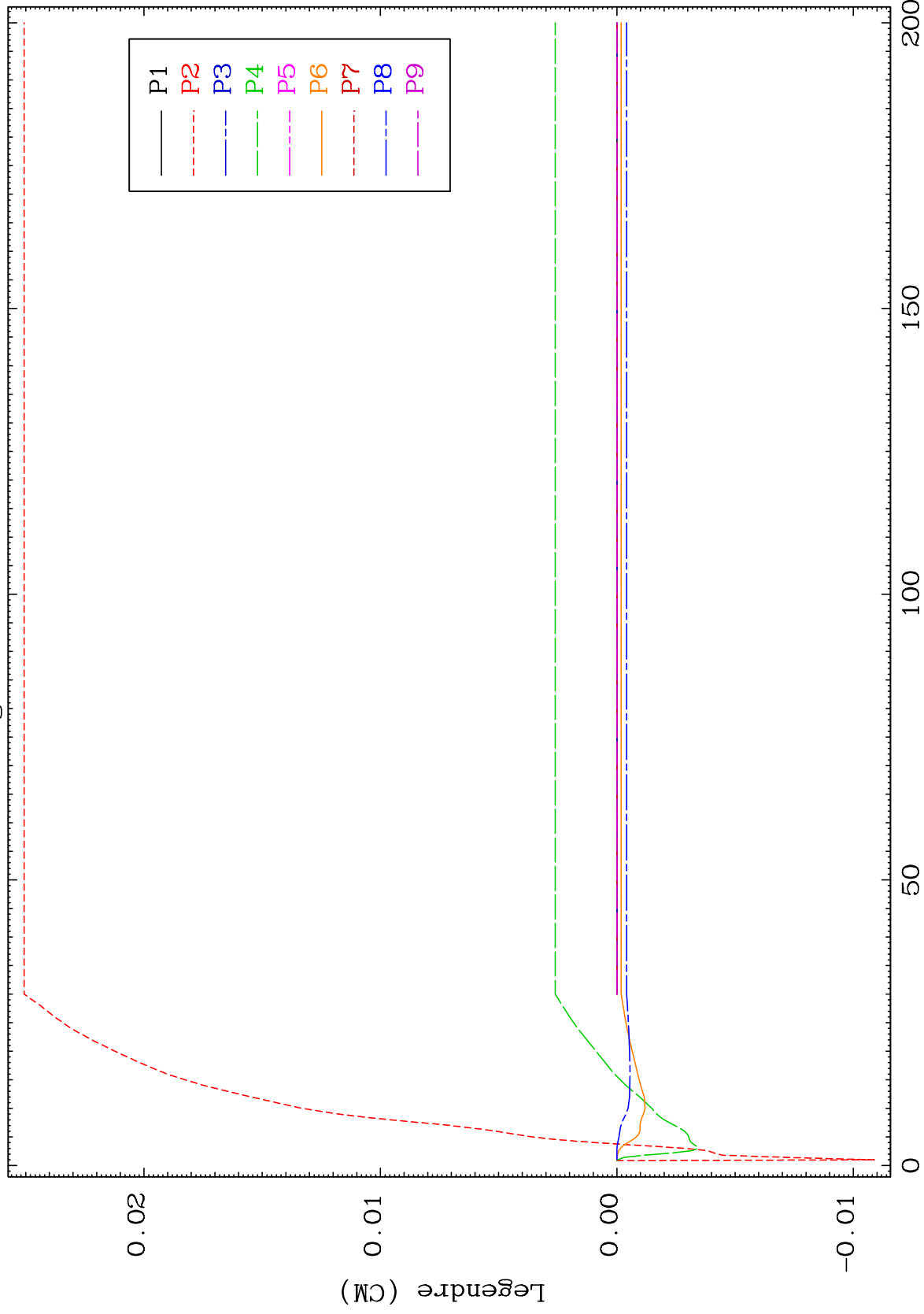
87-Fr-208



MAT 8713

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

87-Fr-208



41

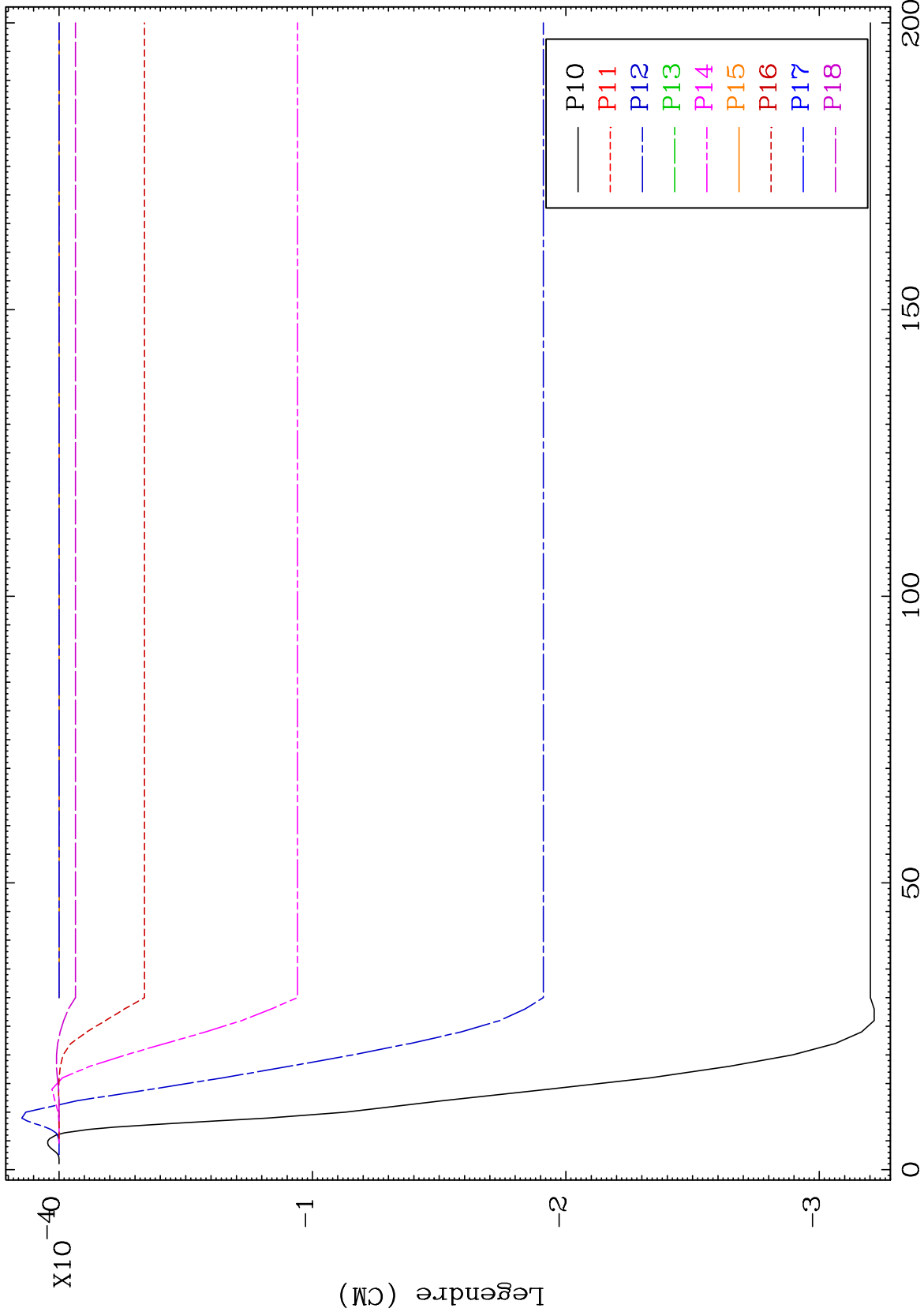
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



42

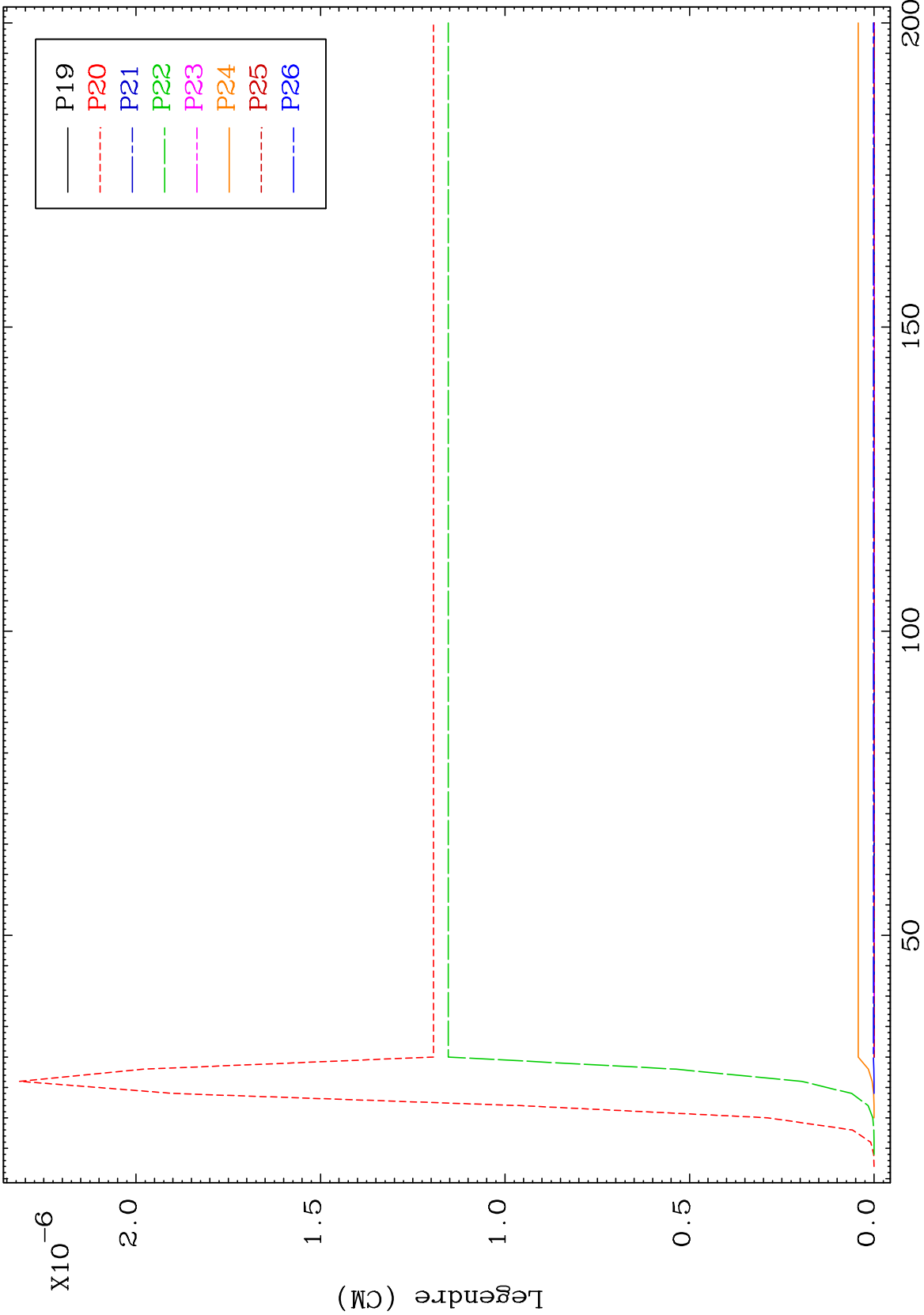
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



43

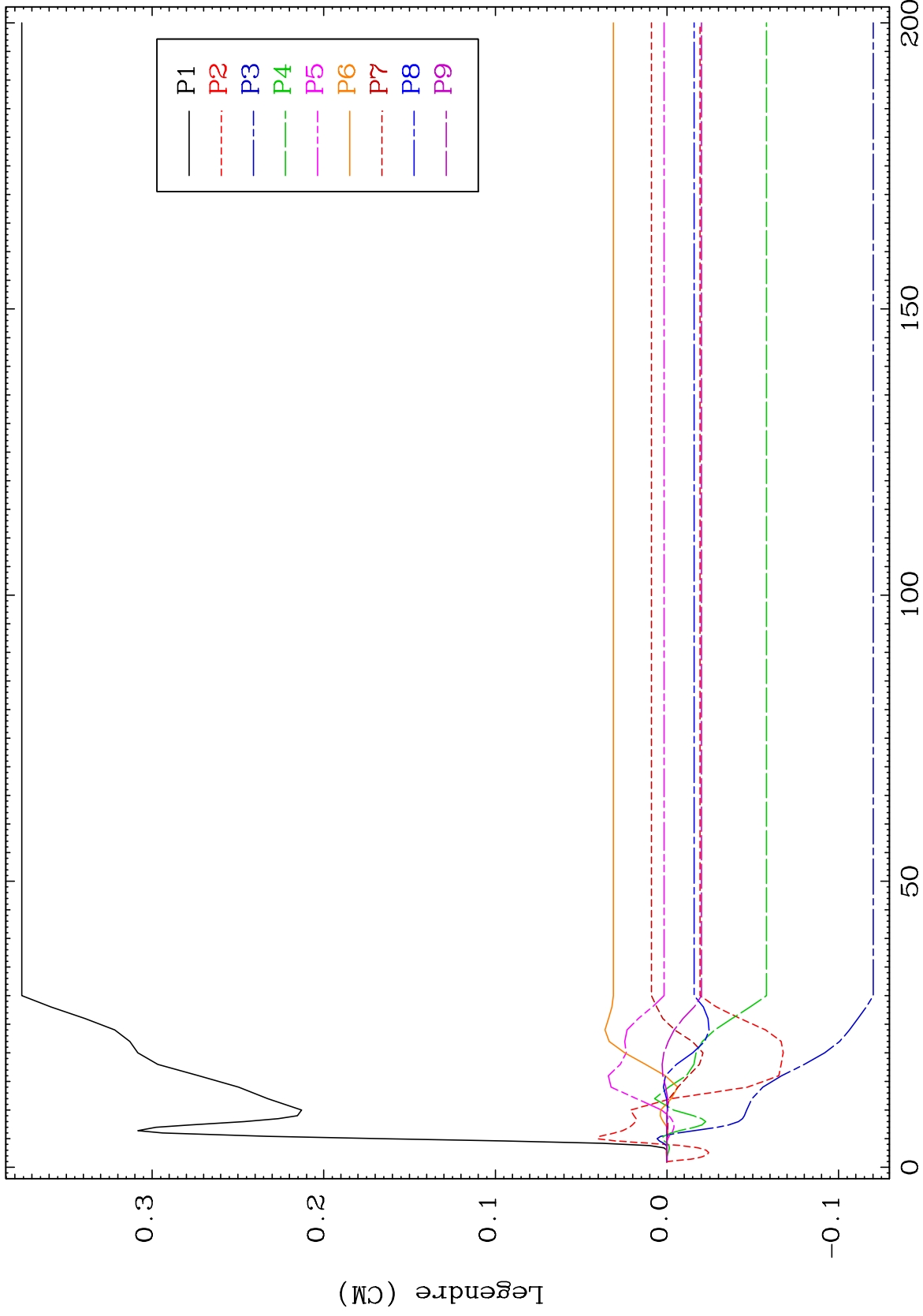
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



44

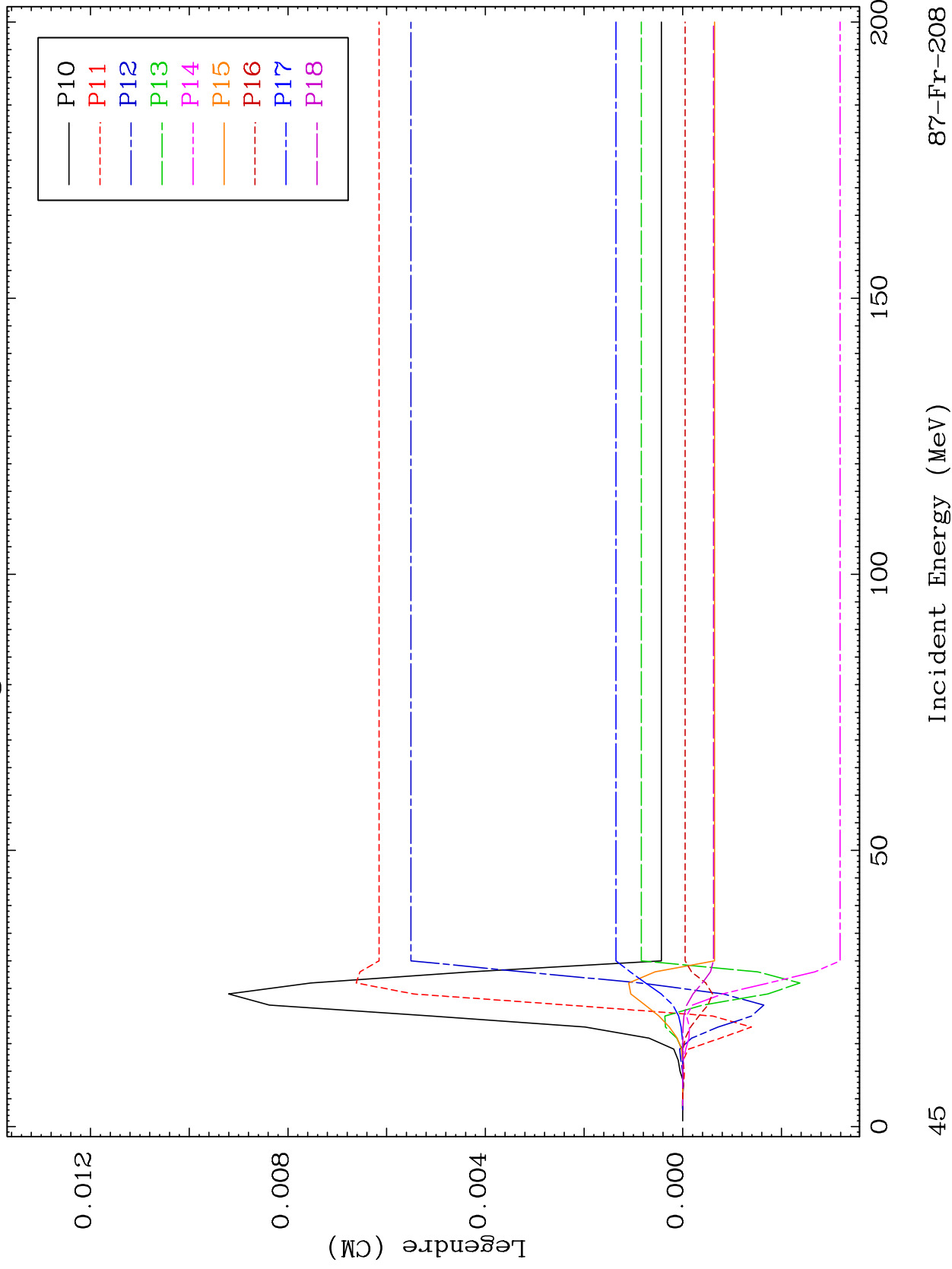
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

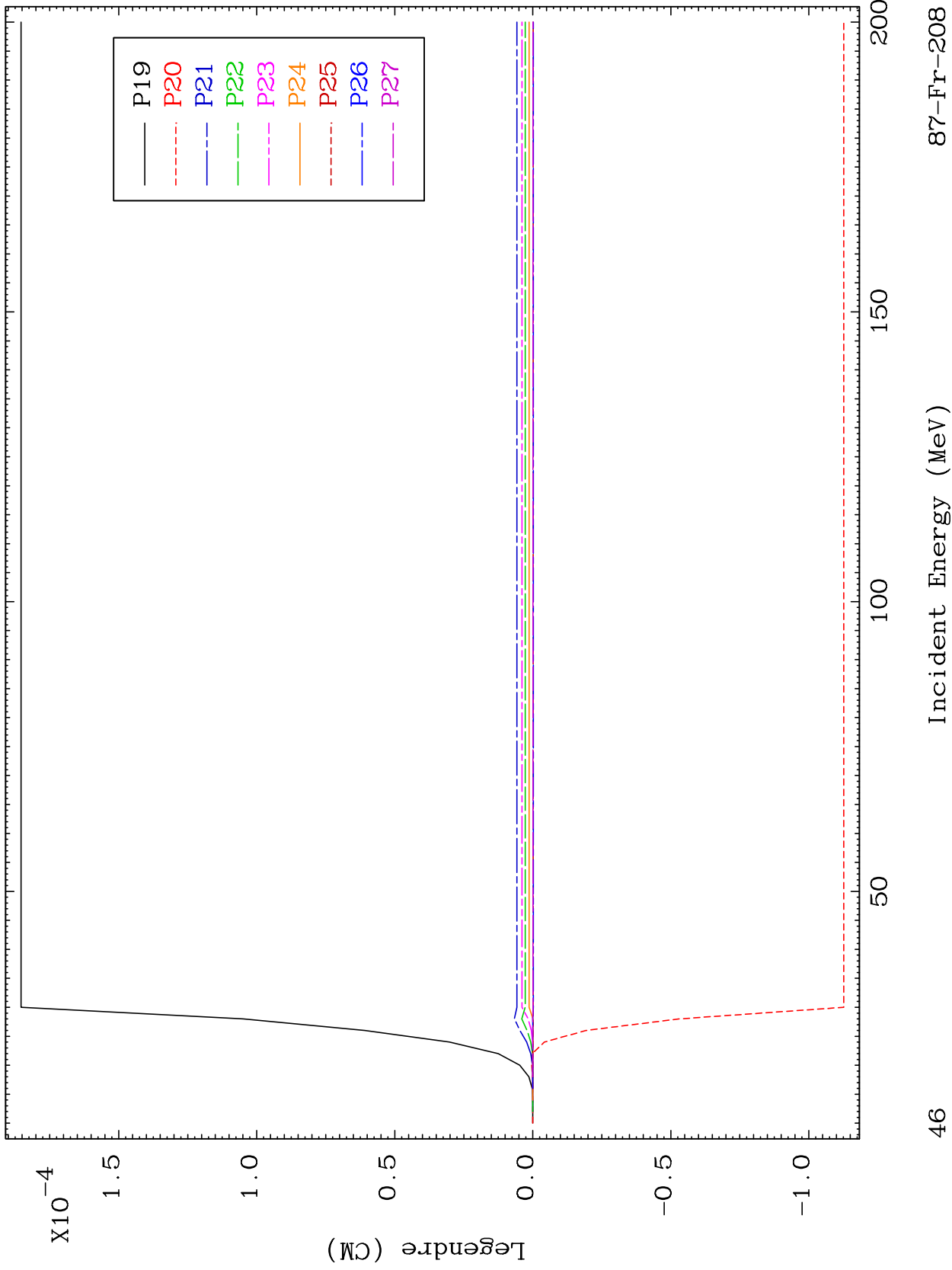
87-Fr-208



87-Fr-208

Incident Energy (MeV)

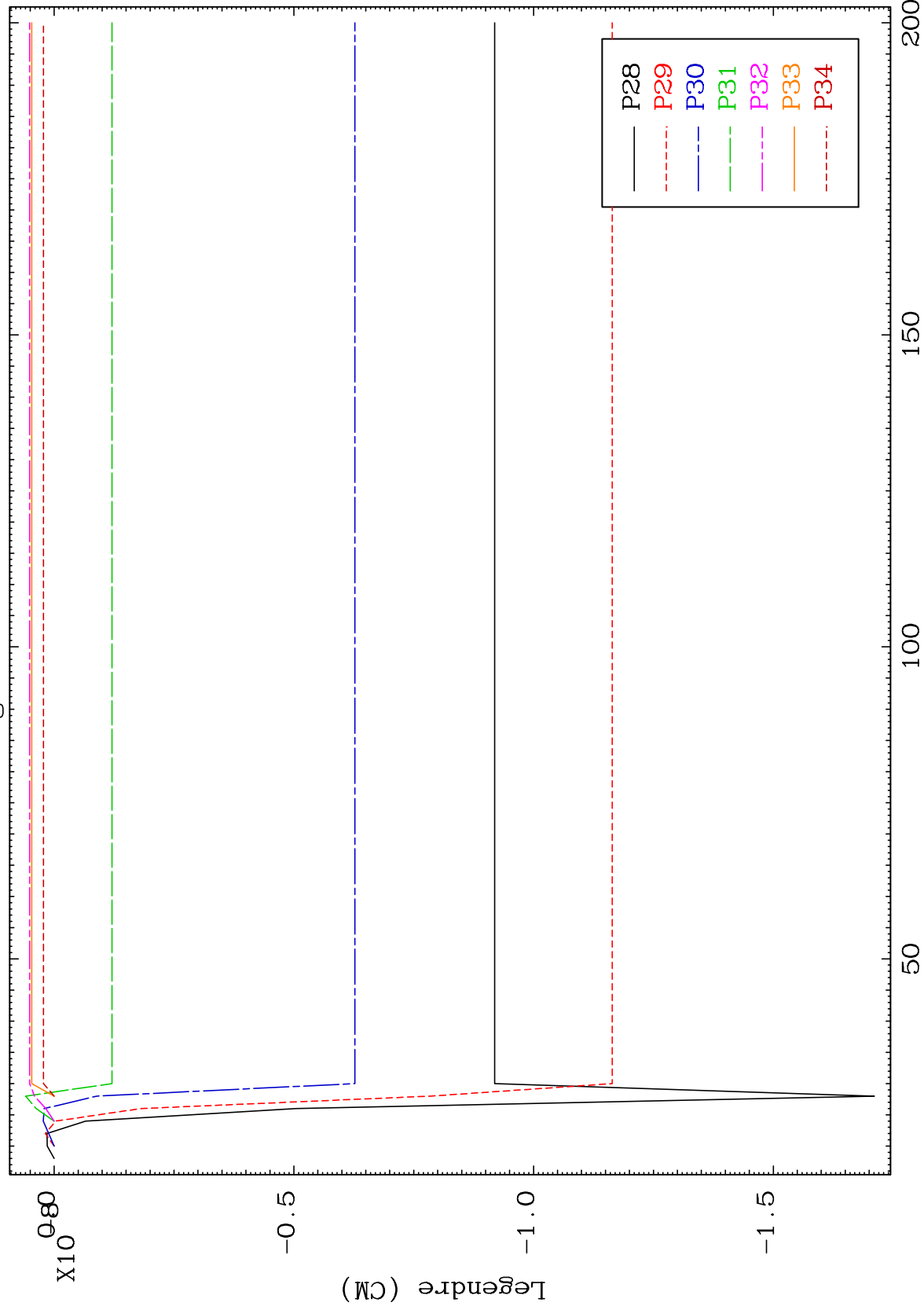
45



MAT 8713

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

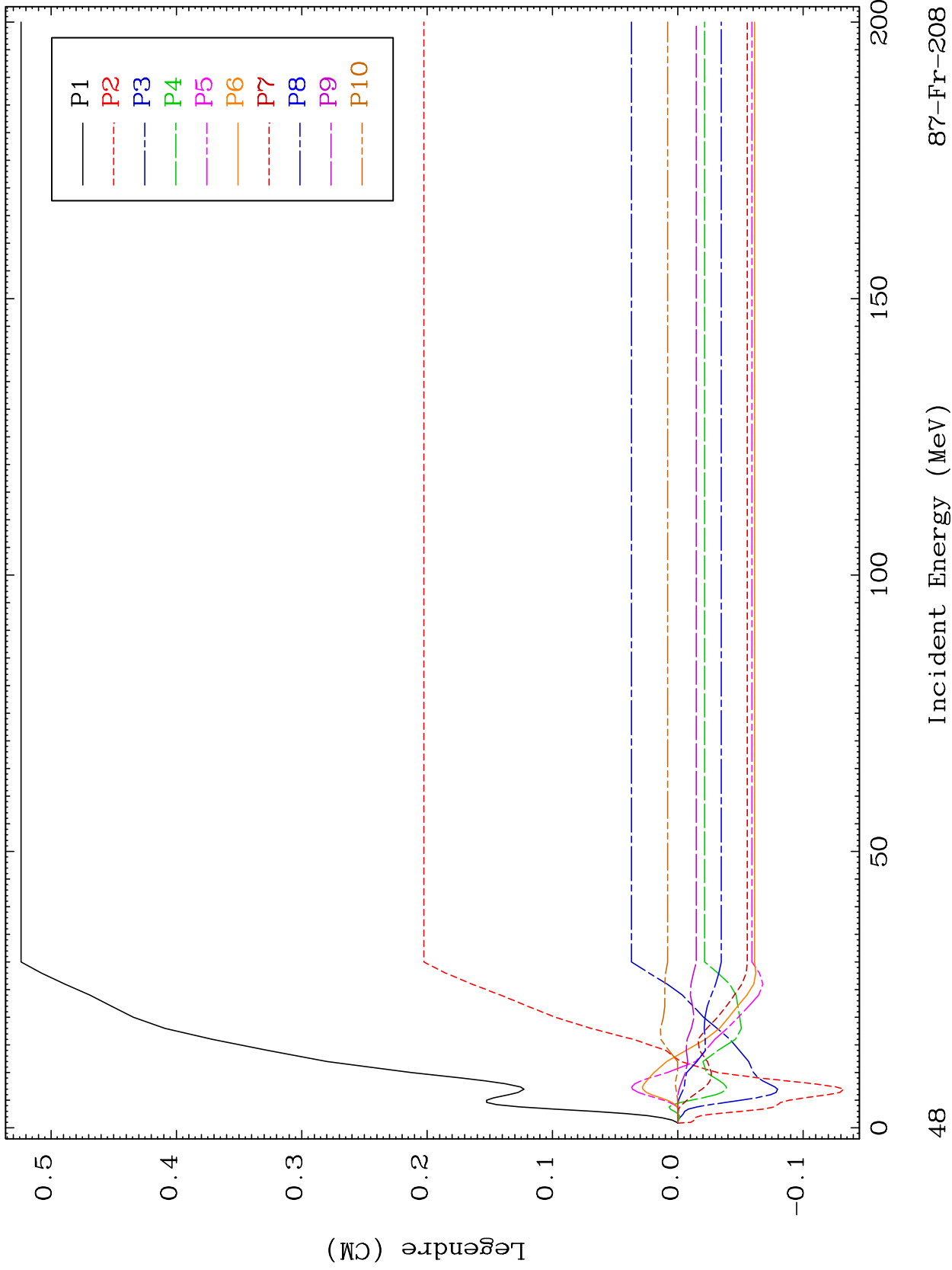
87-Fr-208



MAT 8713

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

87-Fr-208



87-Fr-208

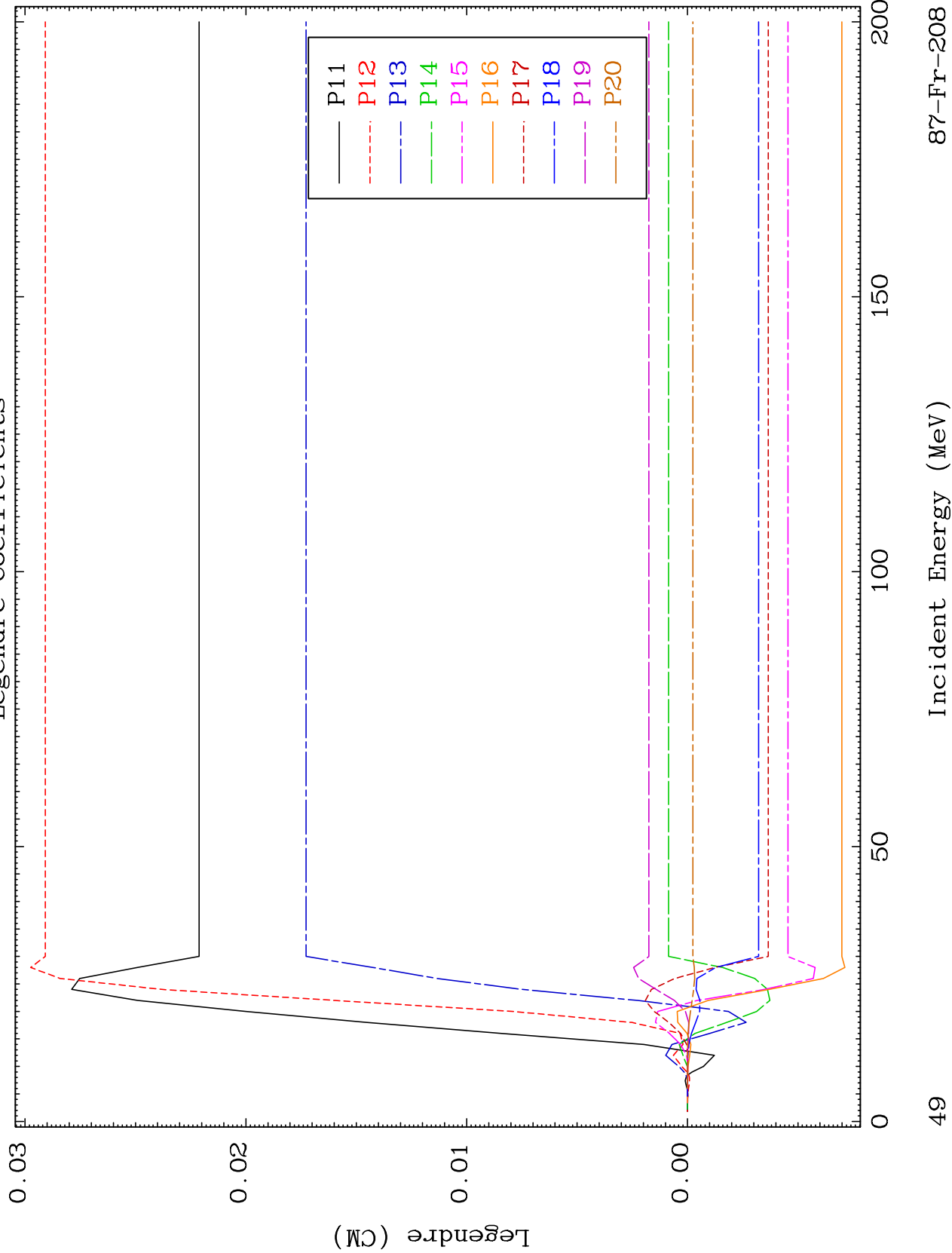
Incident Energy (MeV)

48

MAT 8713

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

87-Fr-208



87-Fr-208

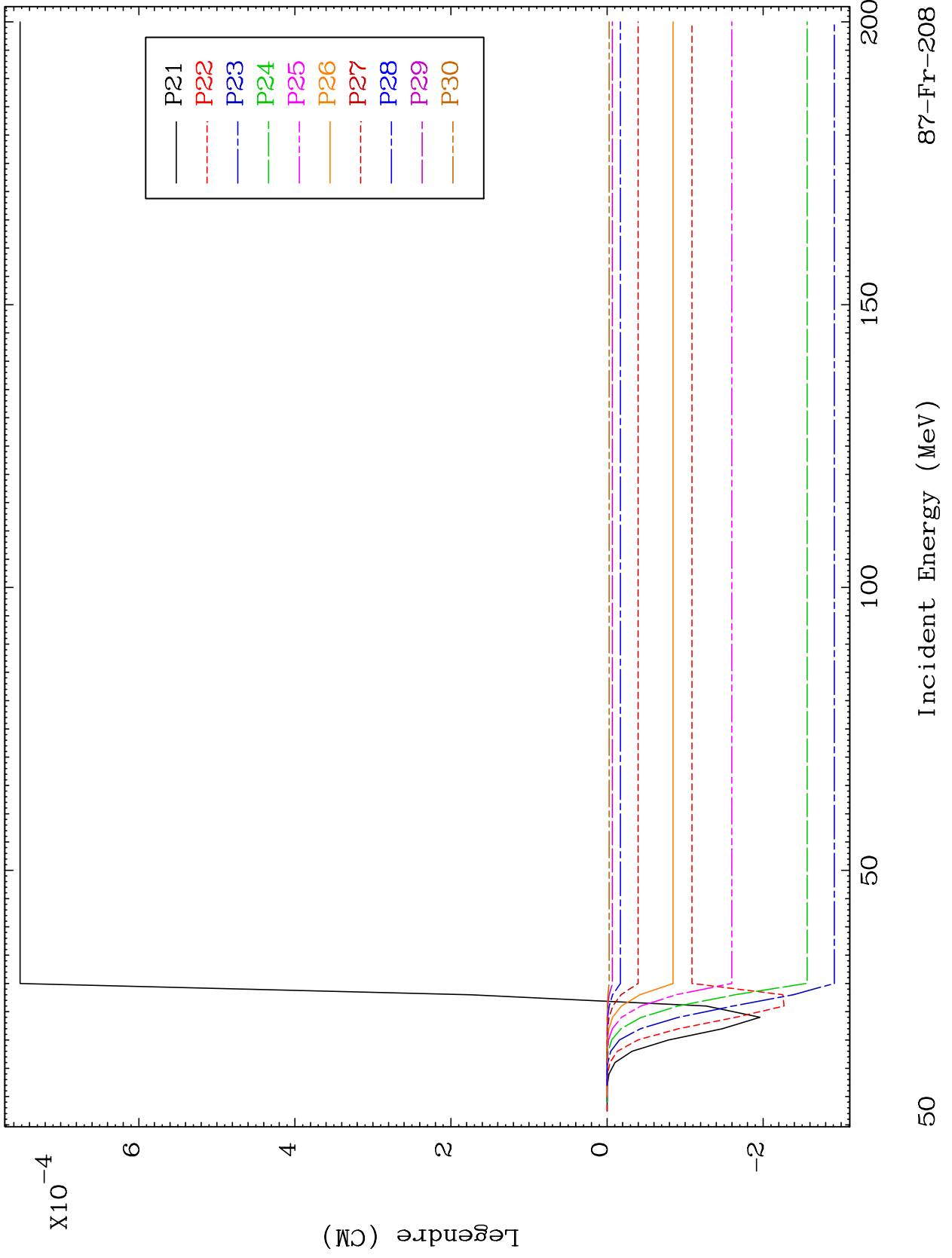
Incident Energy (MeV)

49

MAT 8713

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

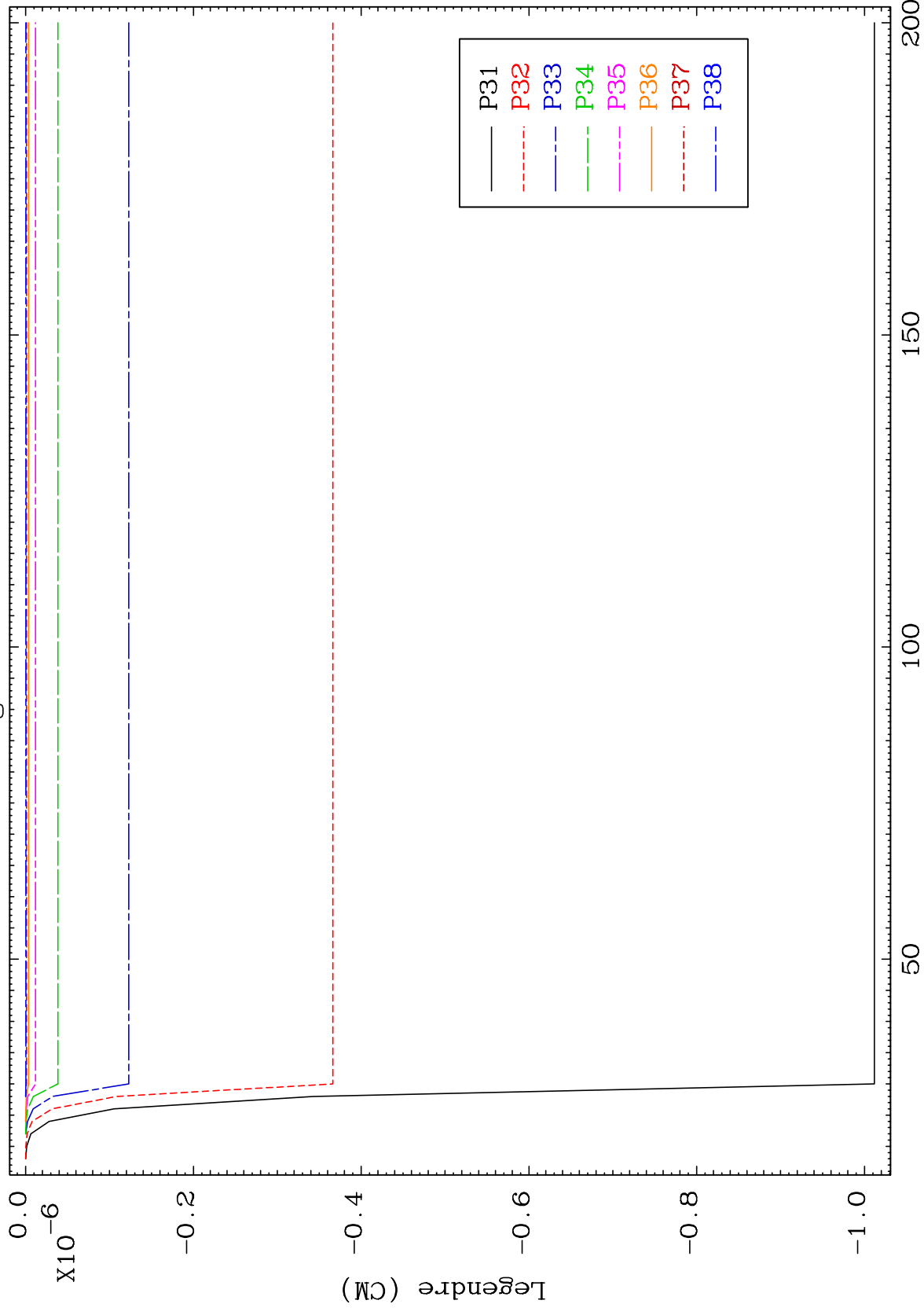
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MAT 8713

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

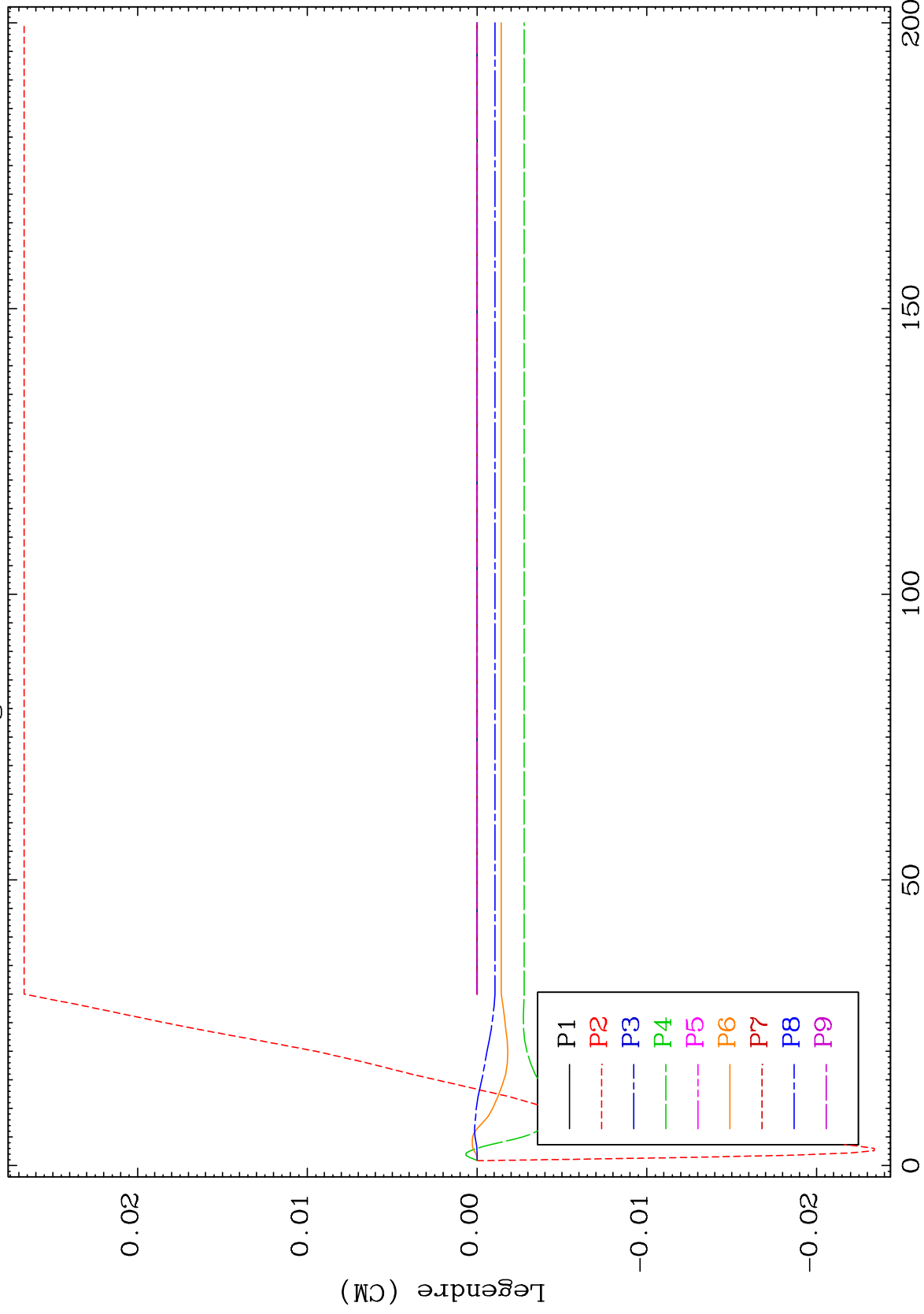
87-Fr-208



MAT 8713

87-Fr-208

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



52

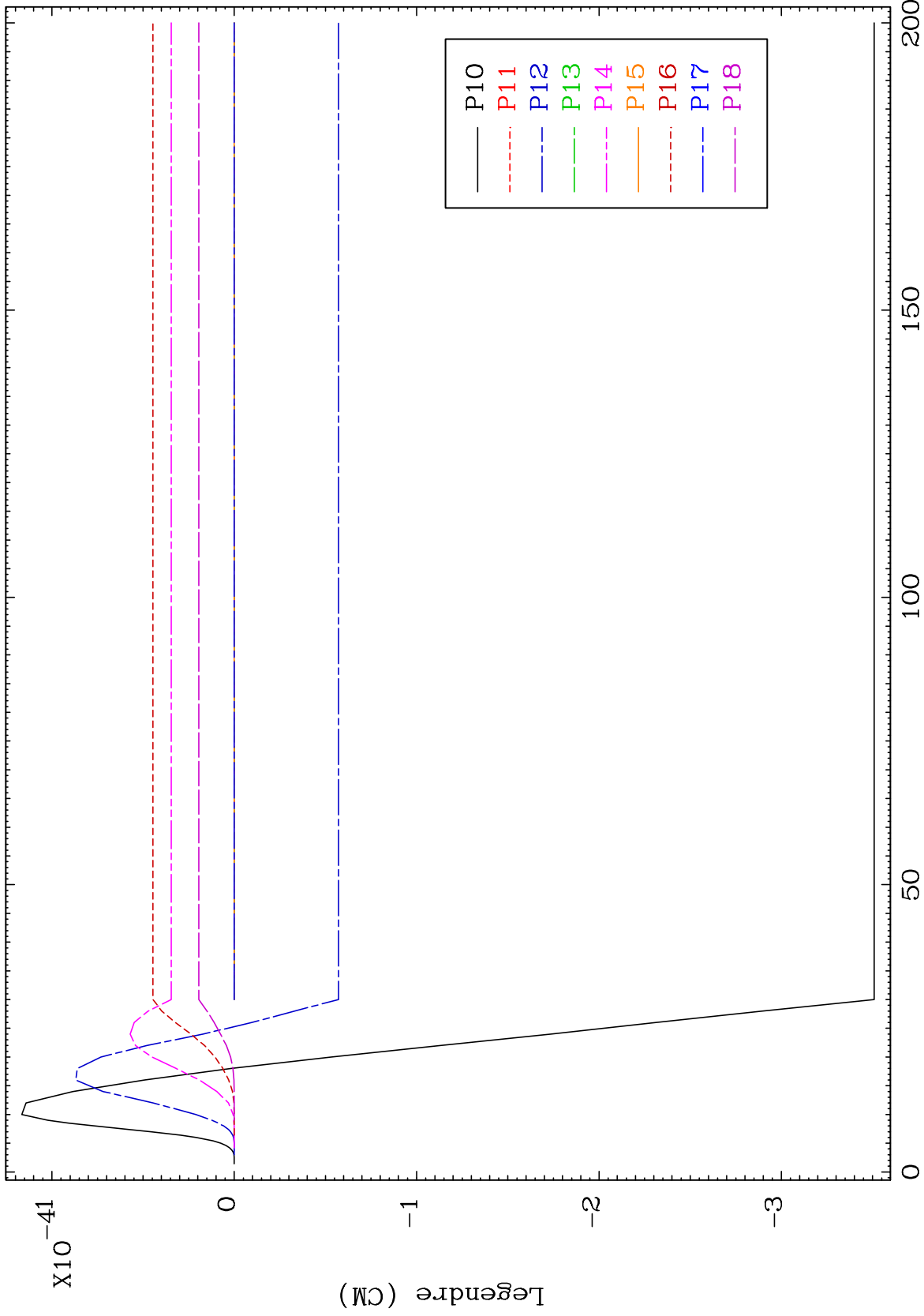
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

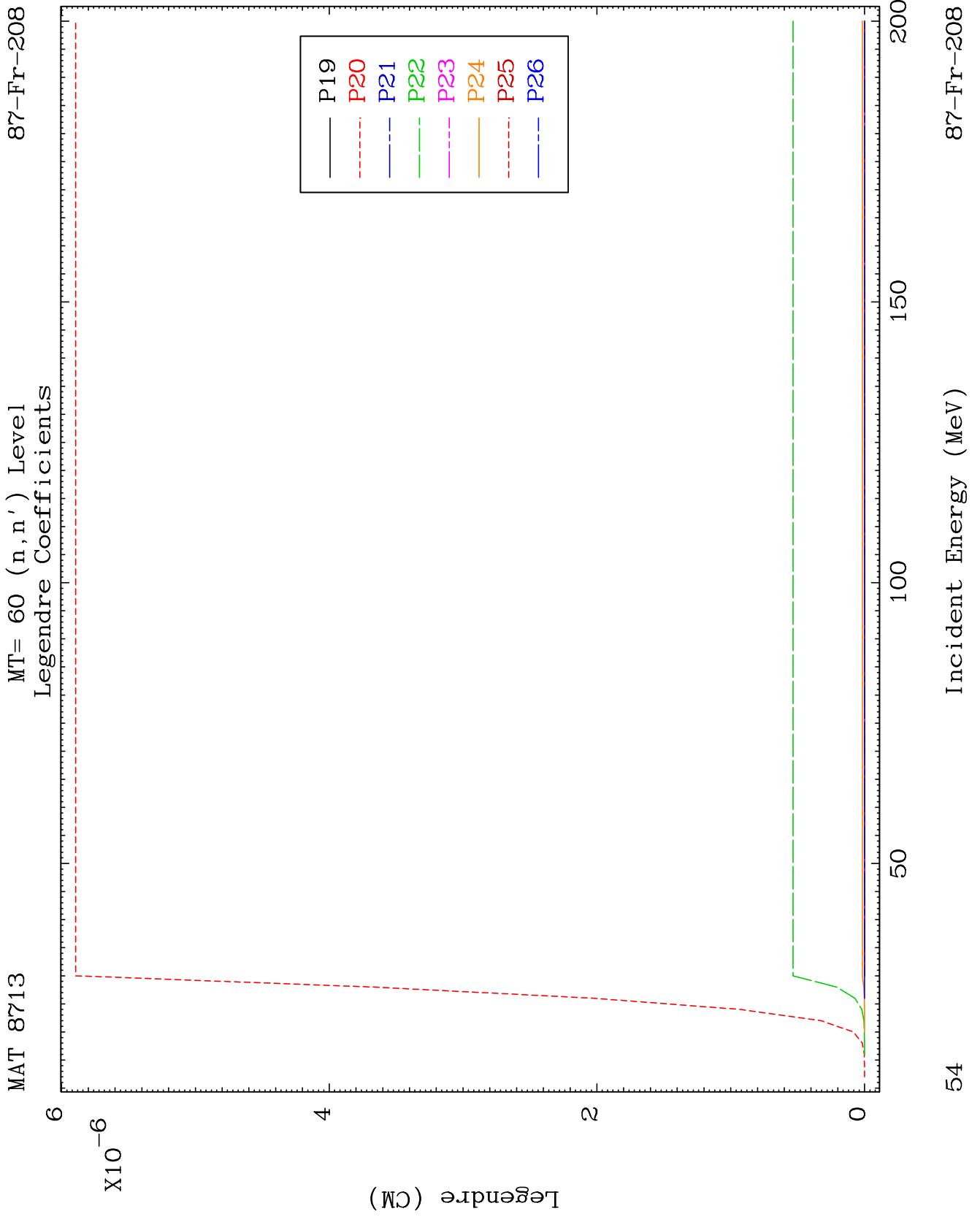
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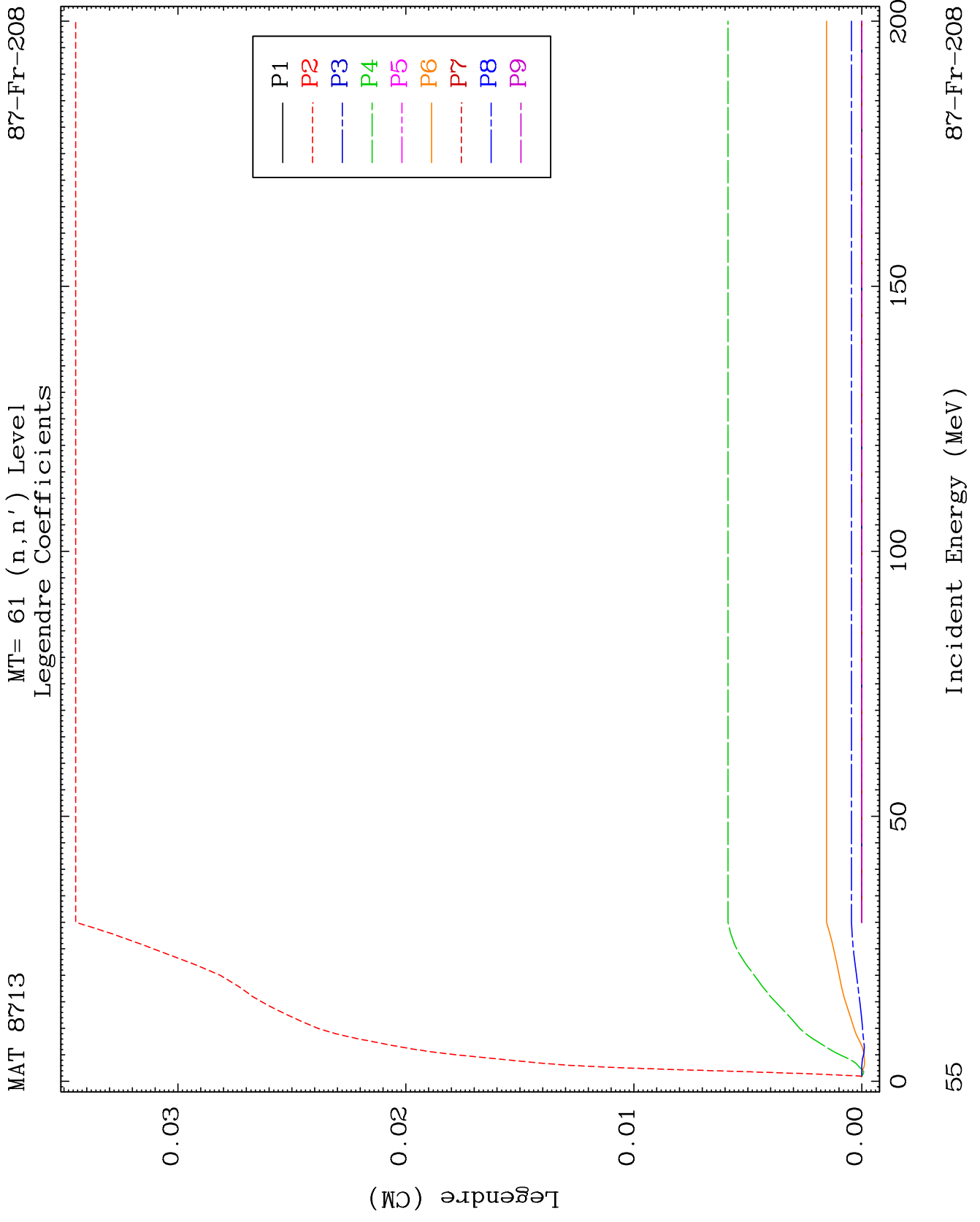


53

Incident Energy (MeV)

87-Fr-208

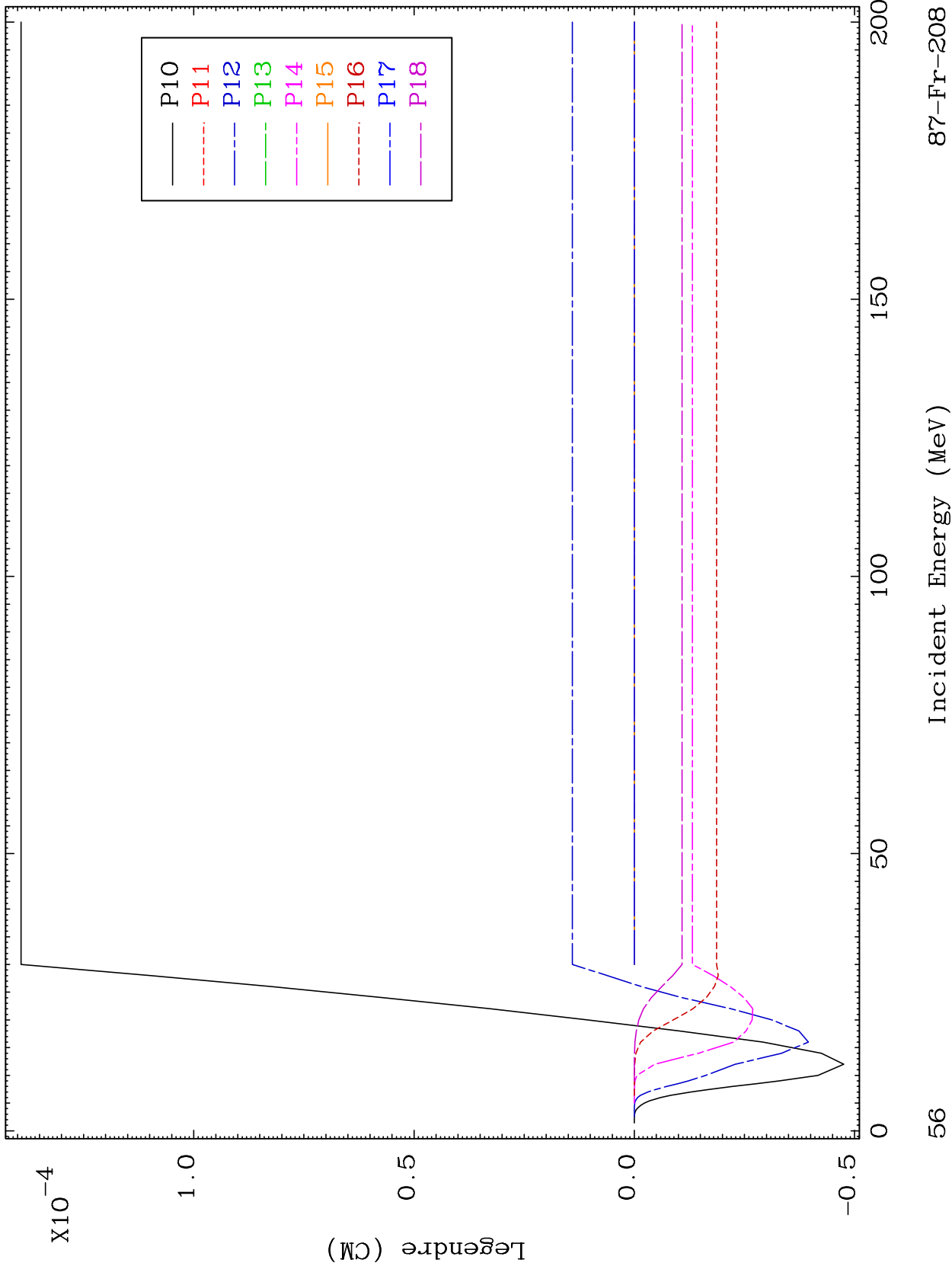




MAT 8713

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

87-Fr-208



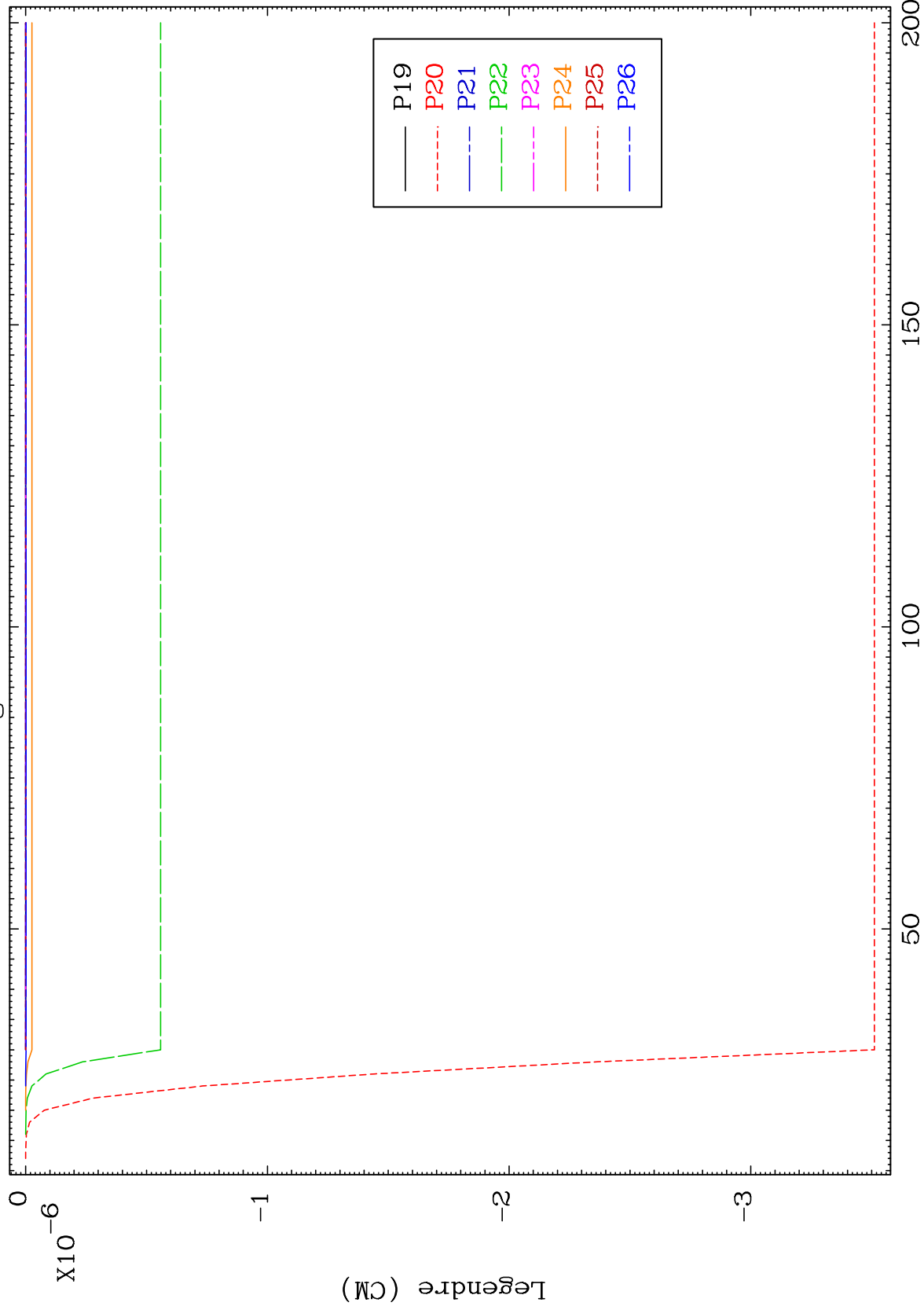
56

87-Fr-208

MAT 8713

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

87-Fr-208



87-Fr-208

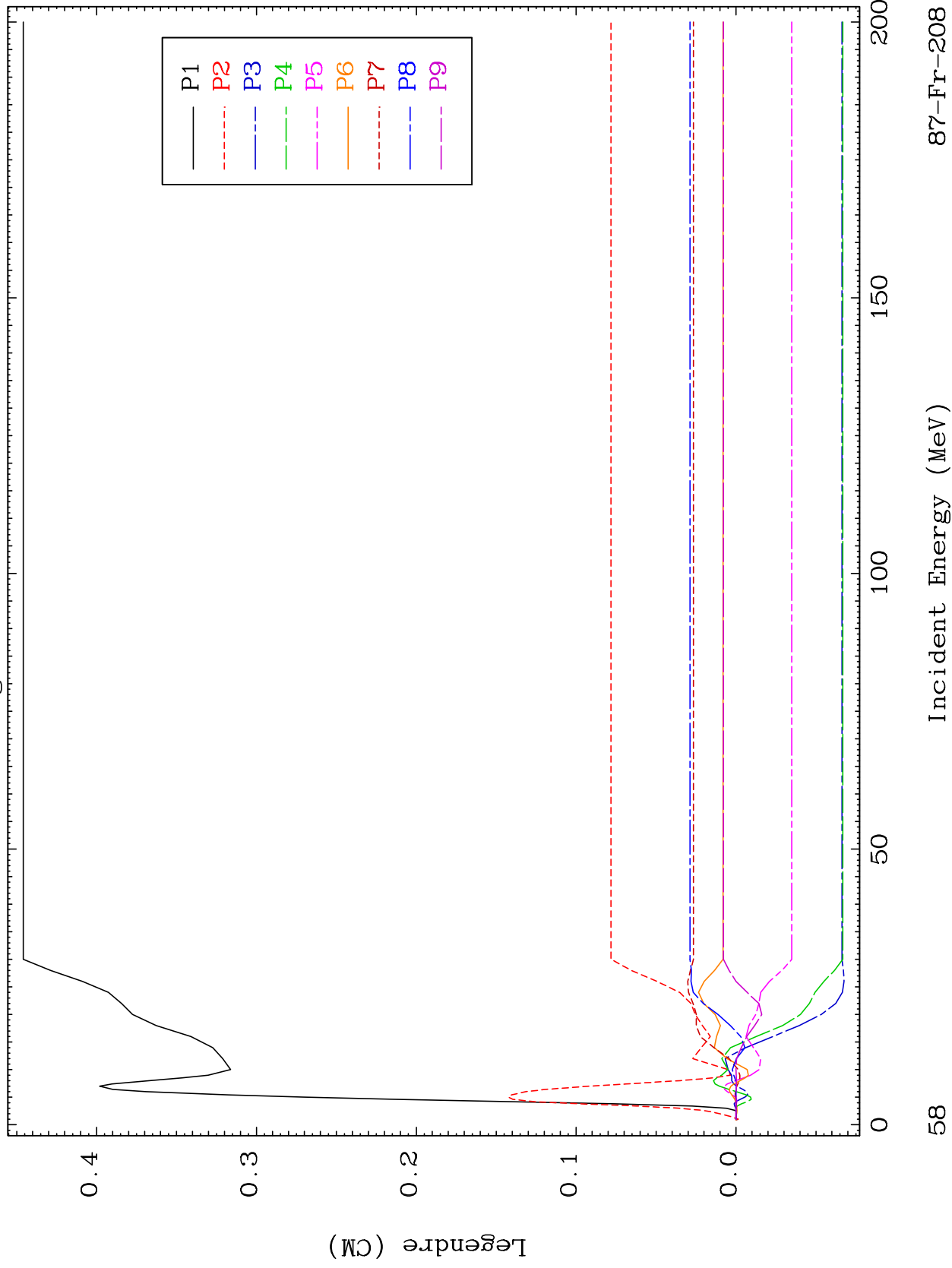
Incident Energy (MeV)

57

MAT 8713

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

87-Fr-208



58

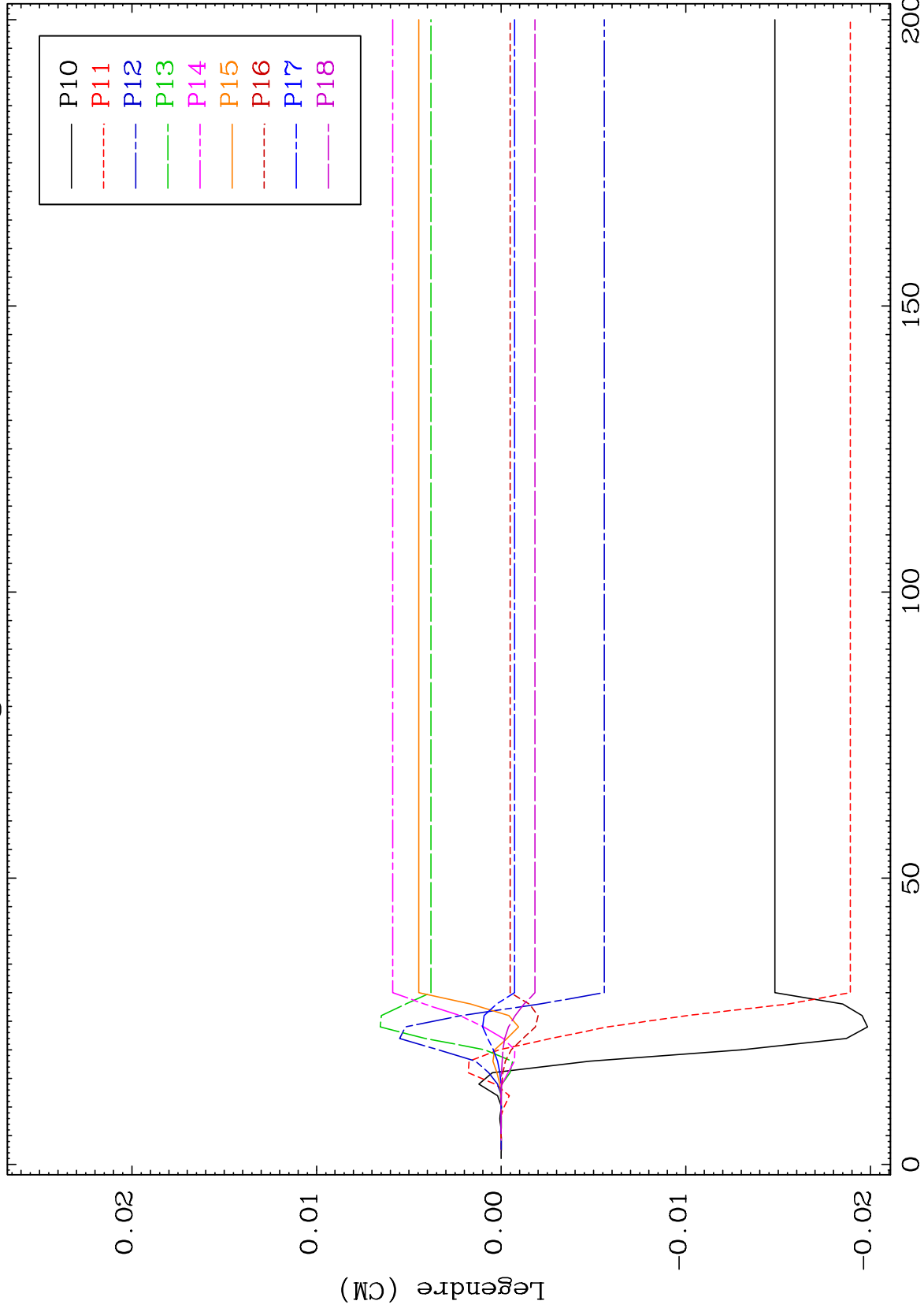
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



59

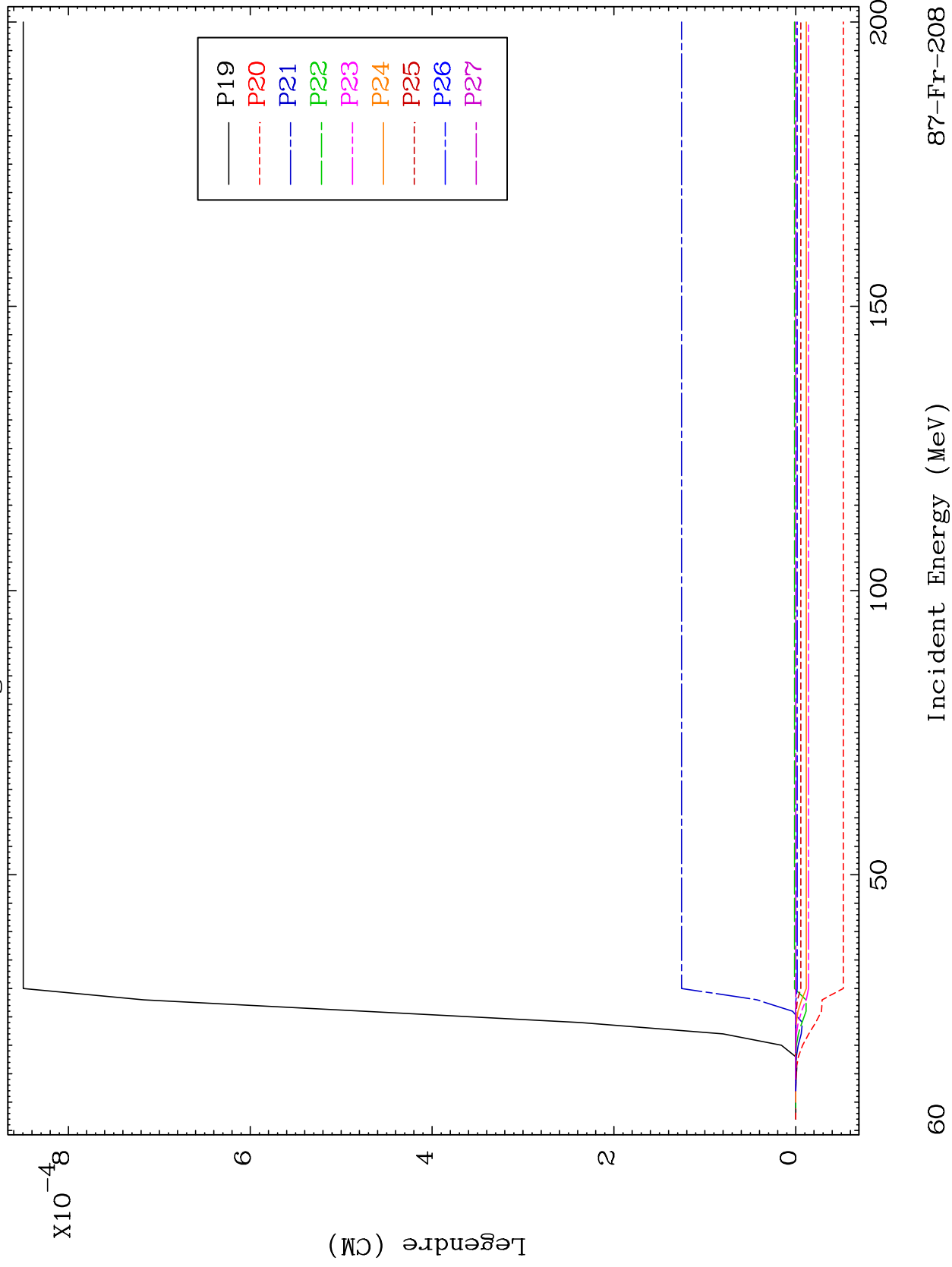
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

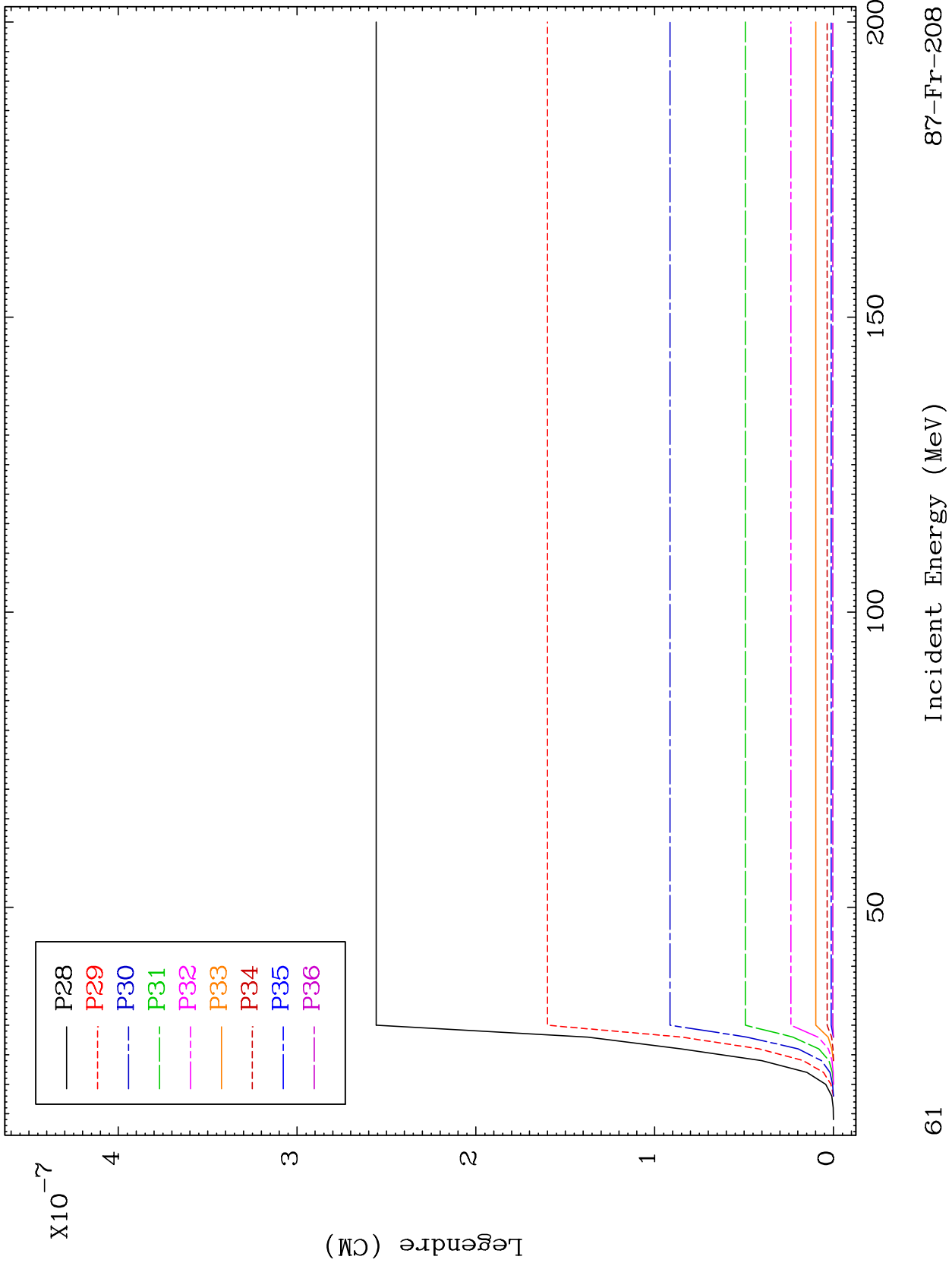
87-Fr-208



MAT 8713

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

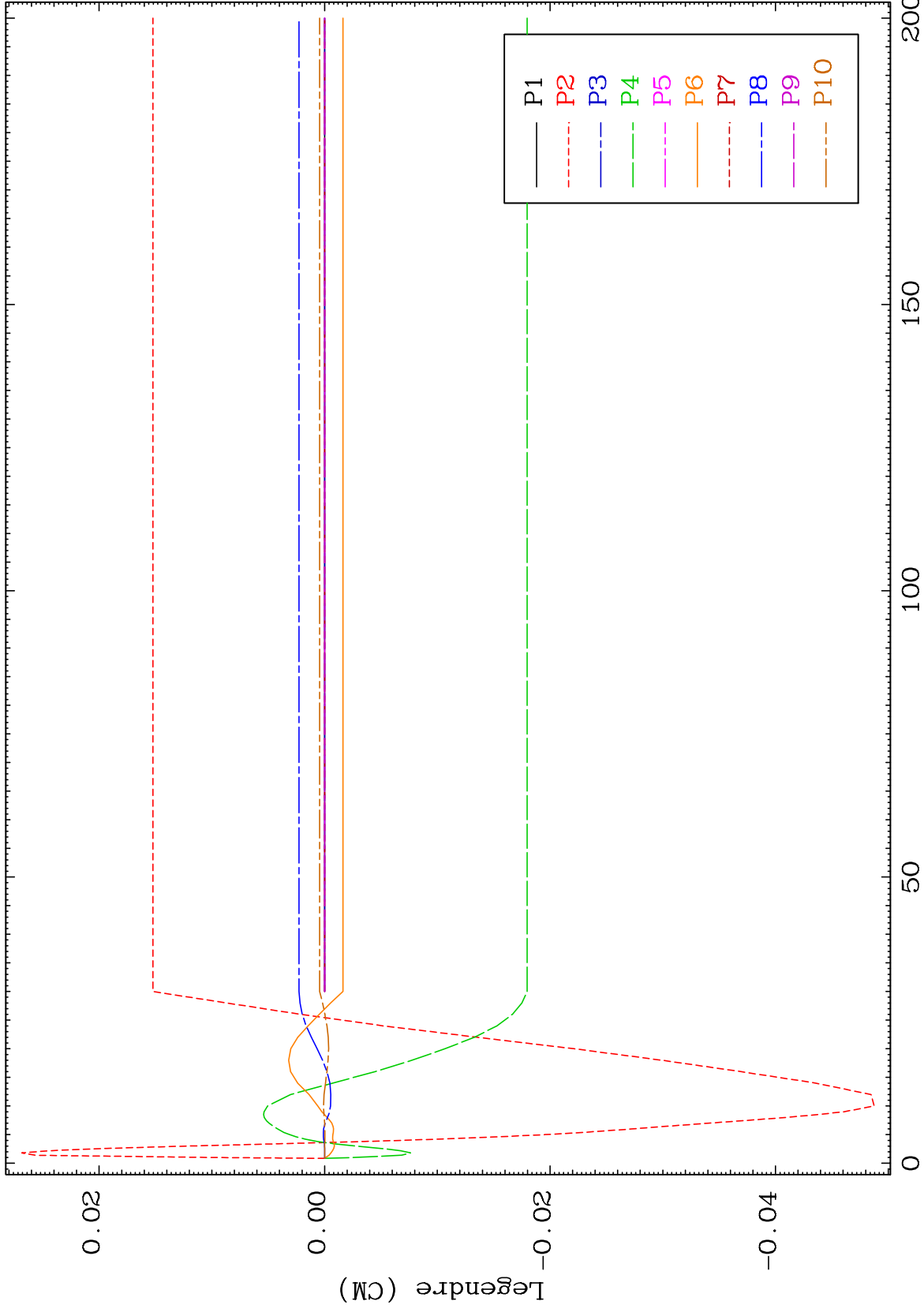
87-Fr-208



MAT 8713

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

87-Fr-208



62

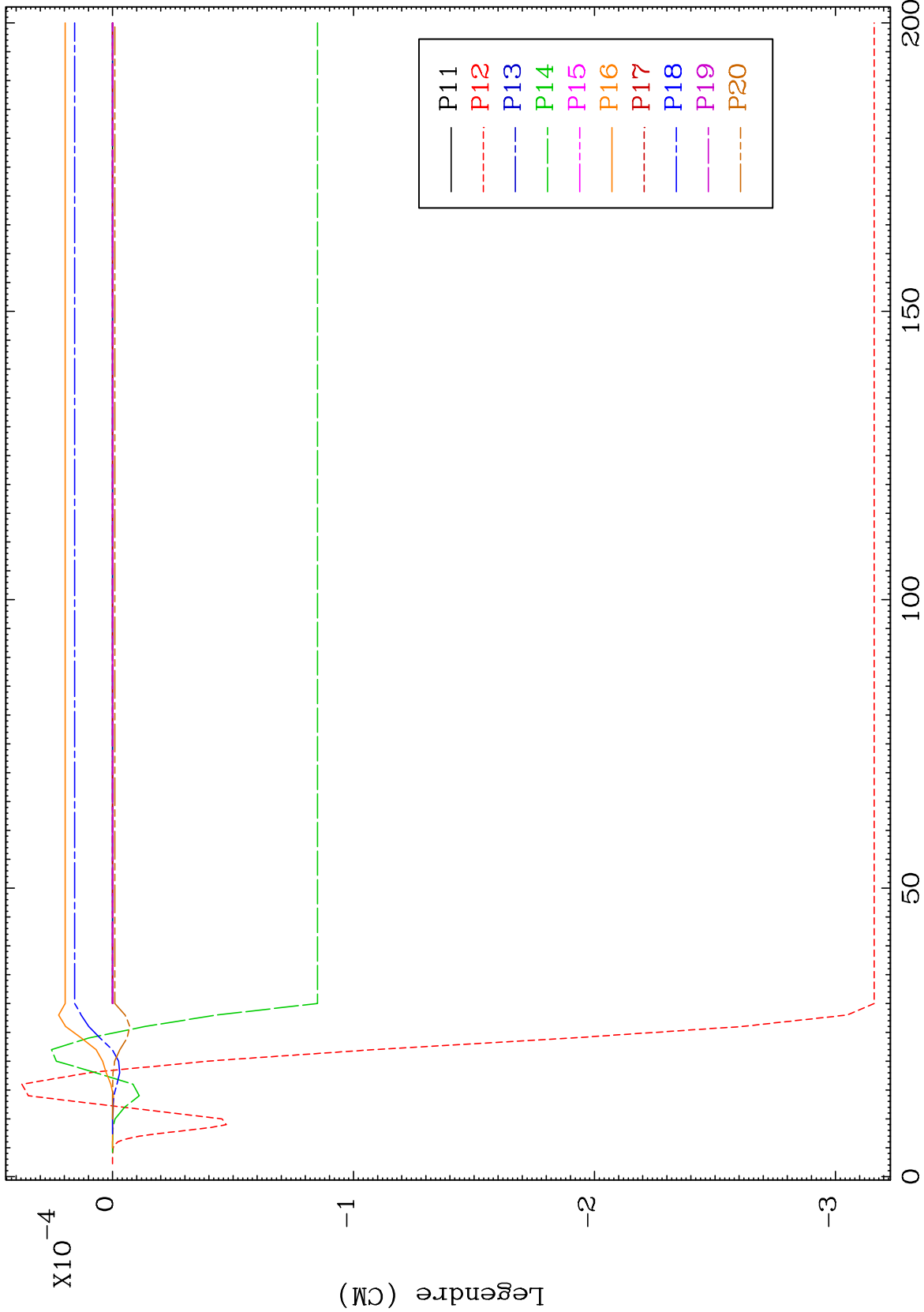
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



63

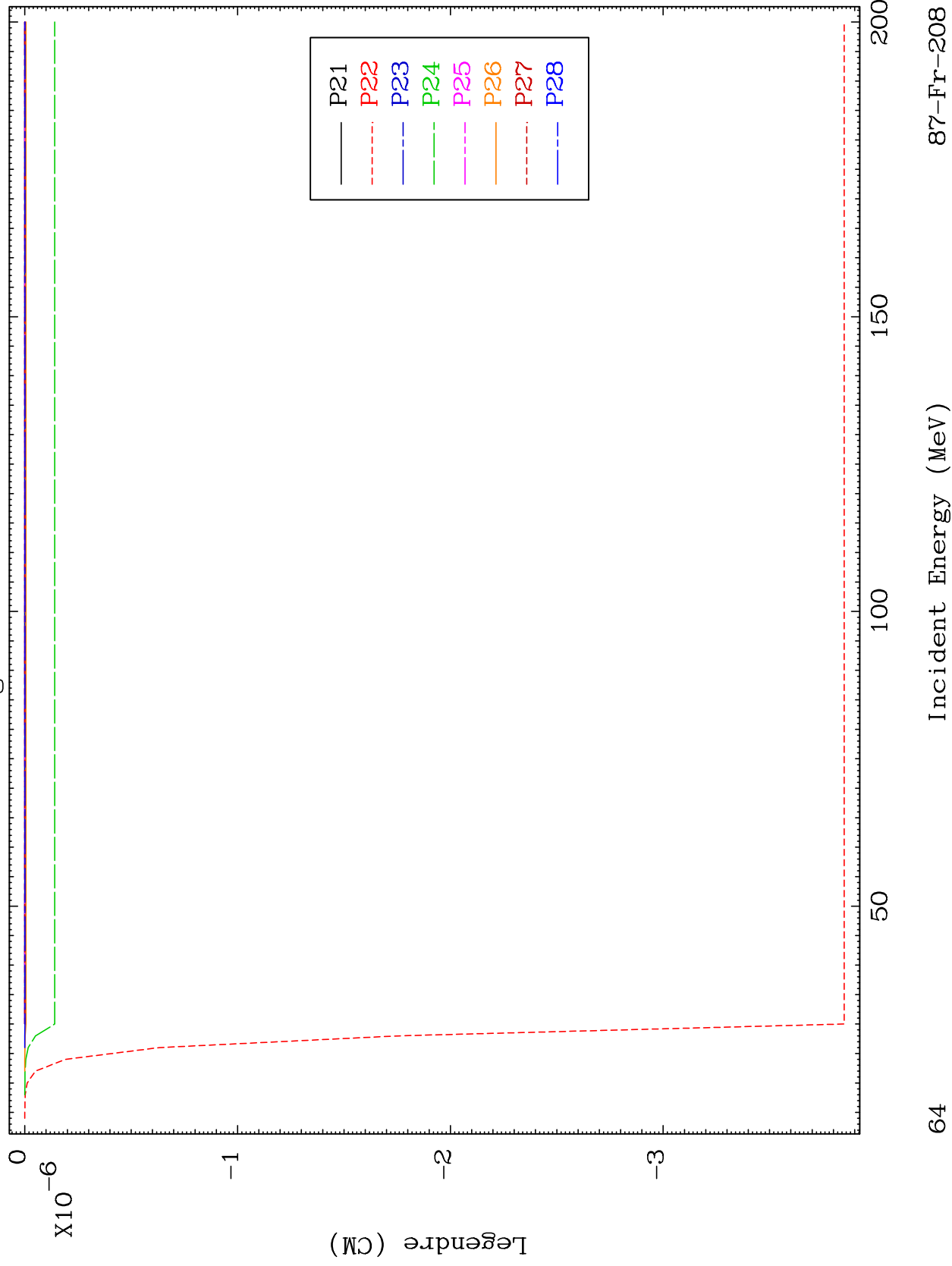
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



87-Fr-208

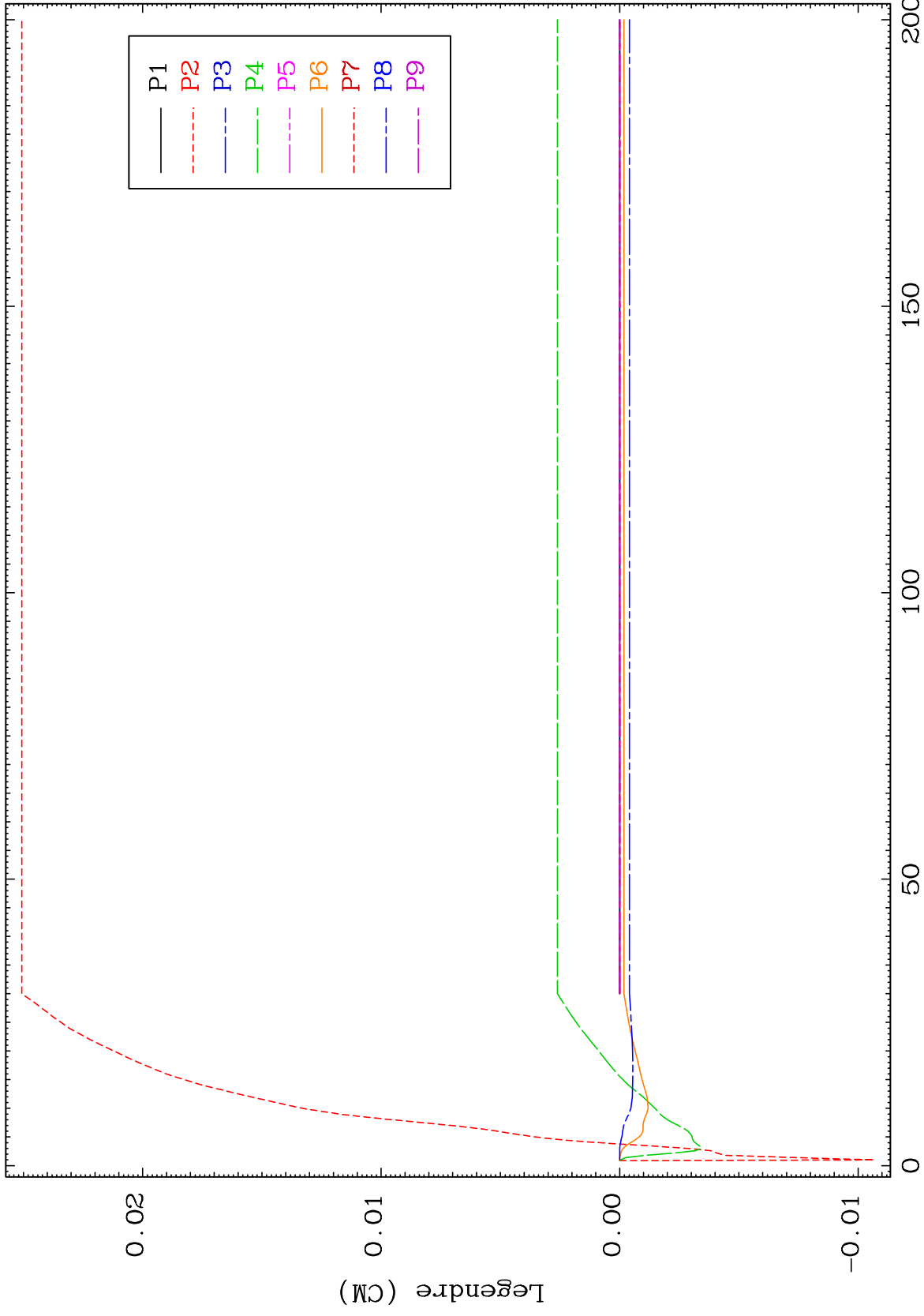
Incident Energy (MeV)

64

MAT 8713

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

87-Fr-208



87-Fr-208

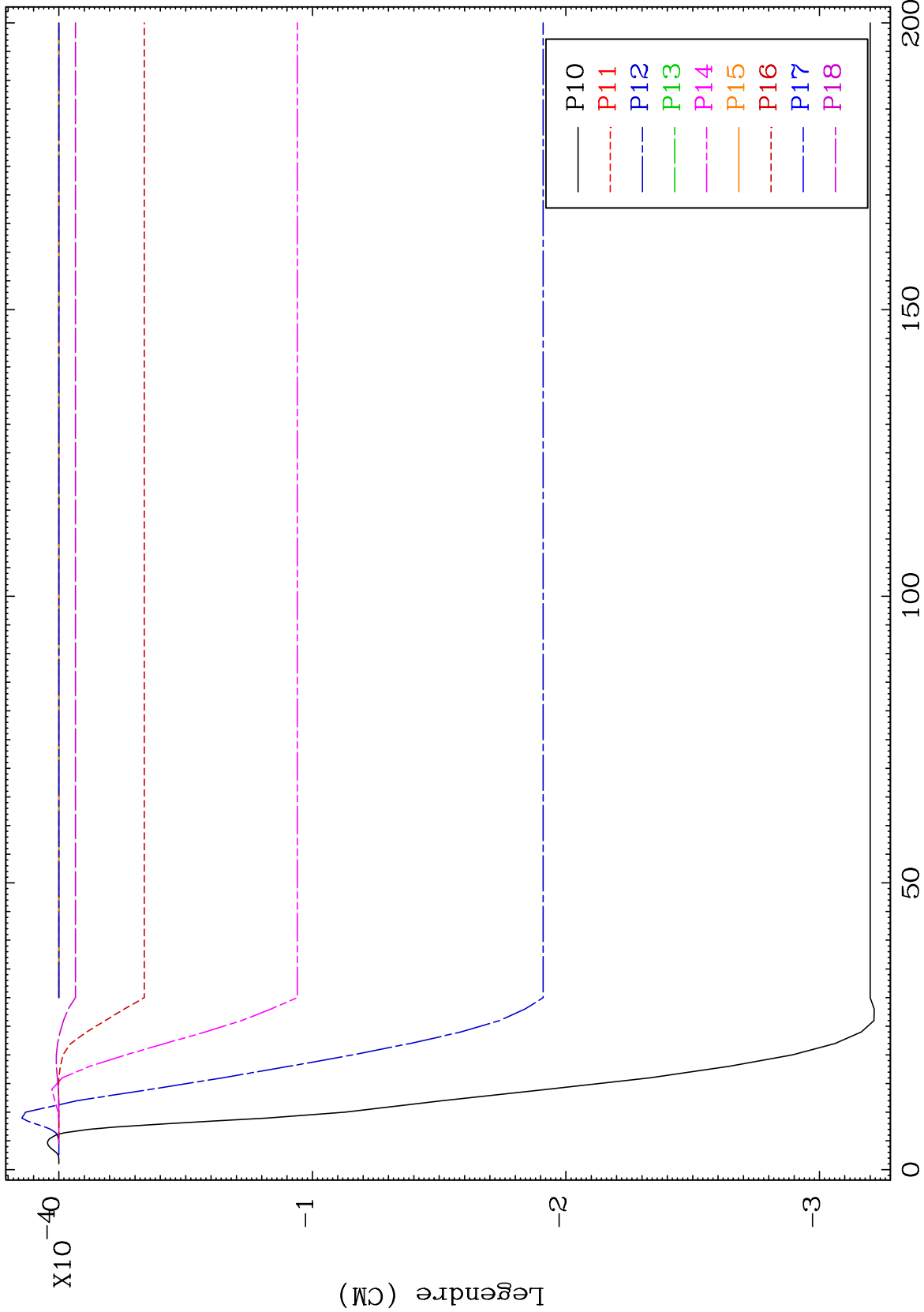
Incident Energy (MeV)

65

MAT 8713

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

87-Fr-208



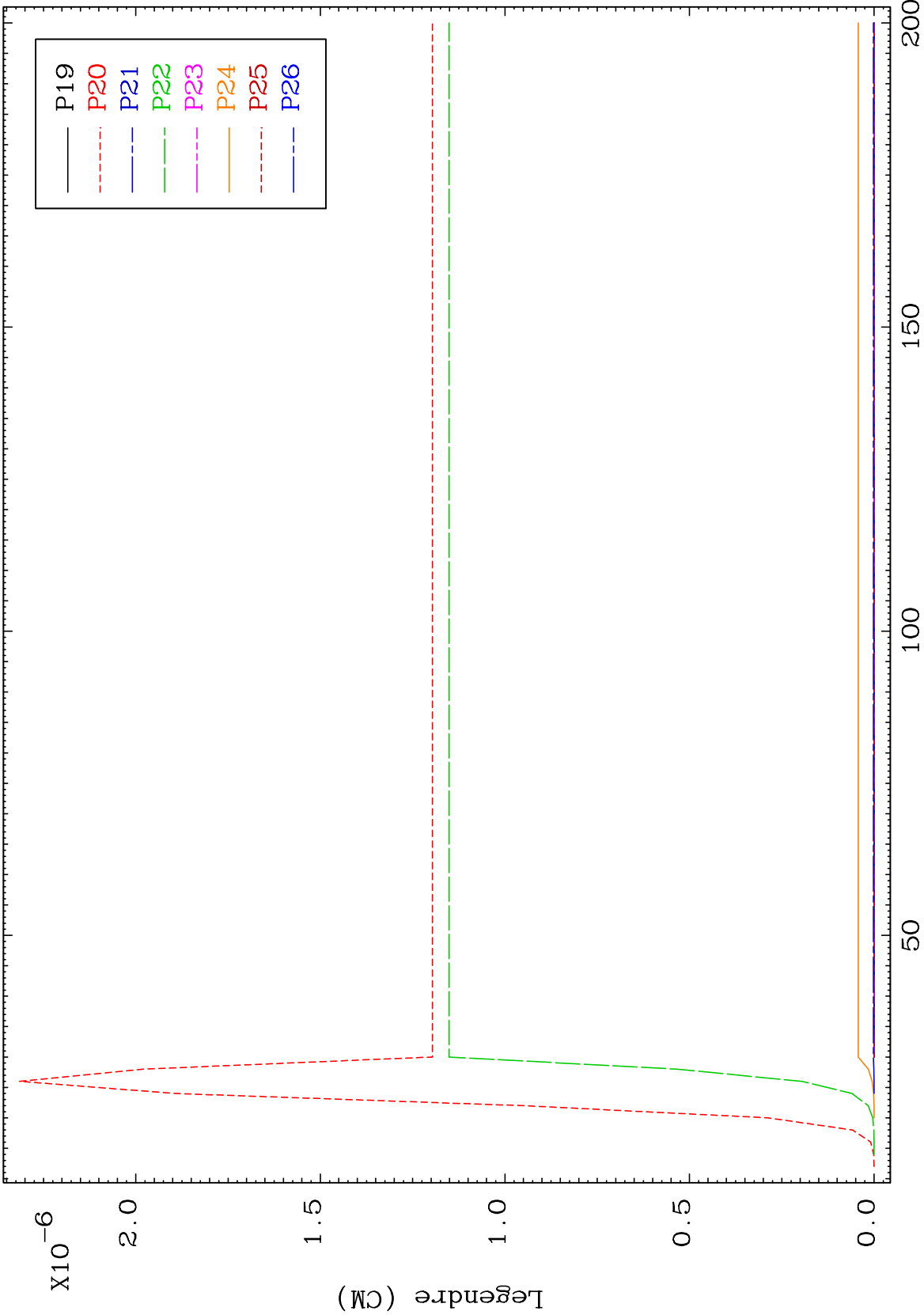
66

87-Fr-208

MAT 8713

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

87-Fr-208



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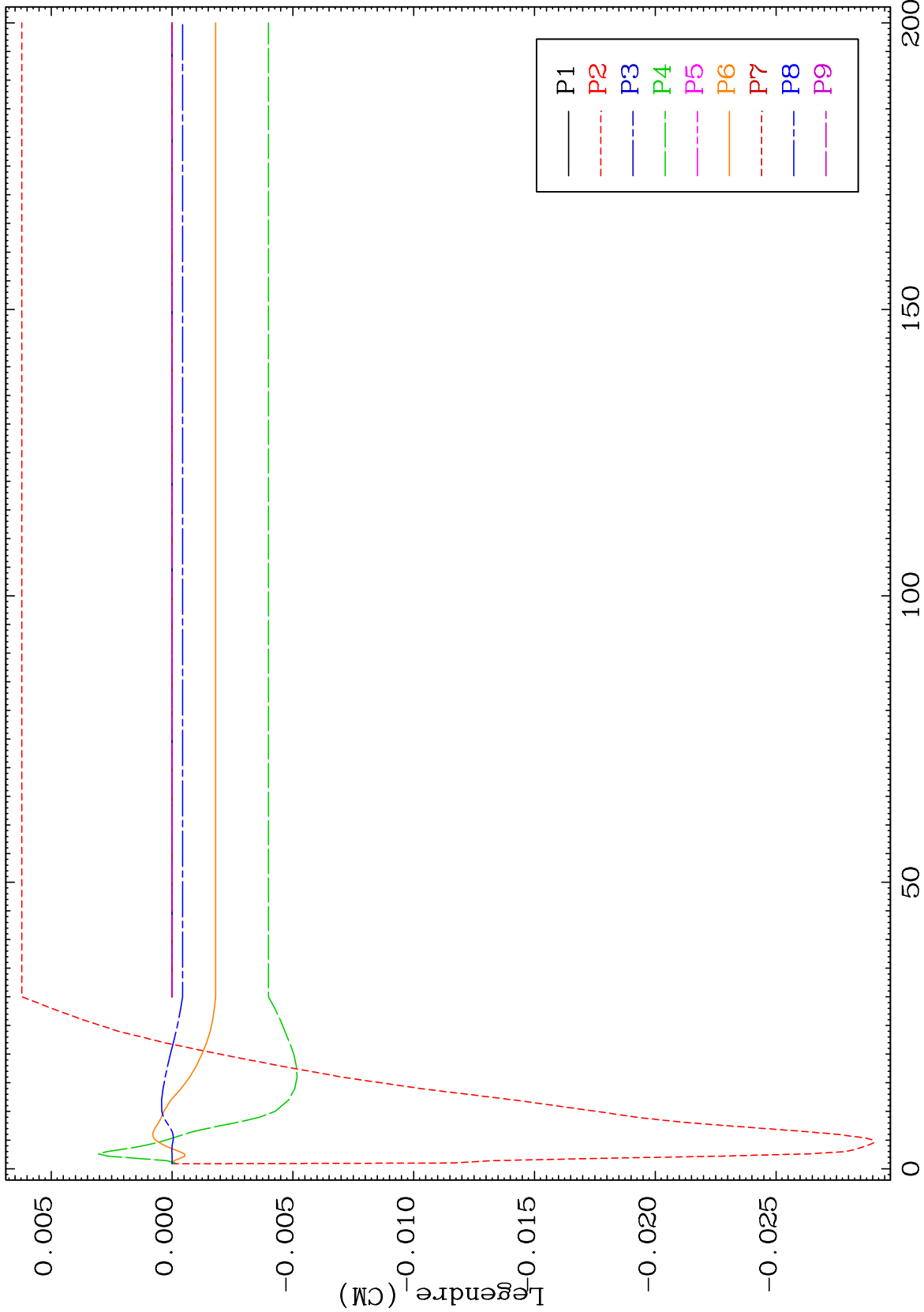
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



68

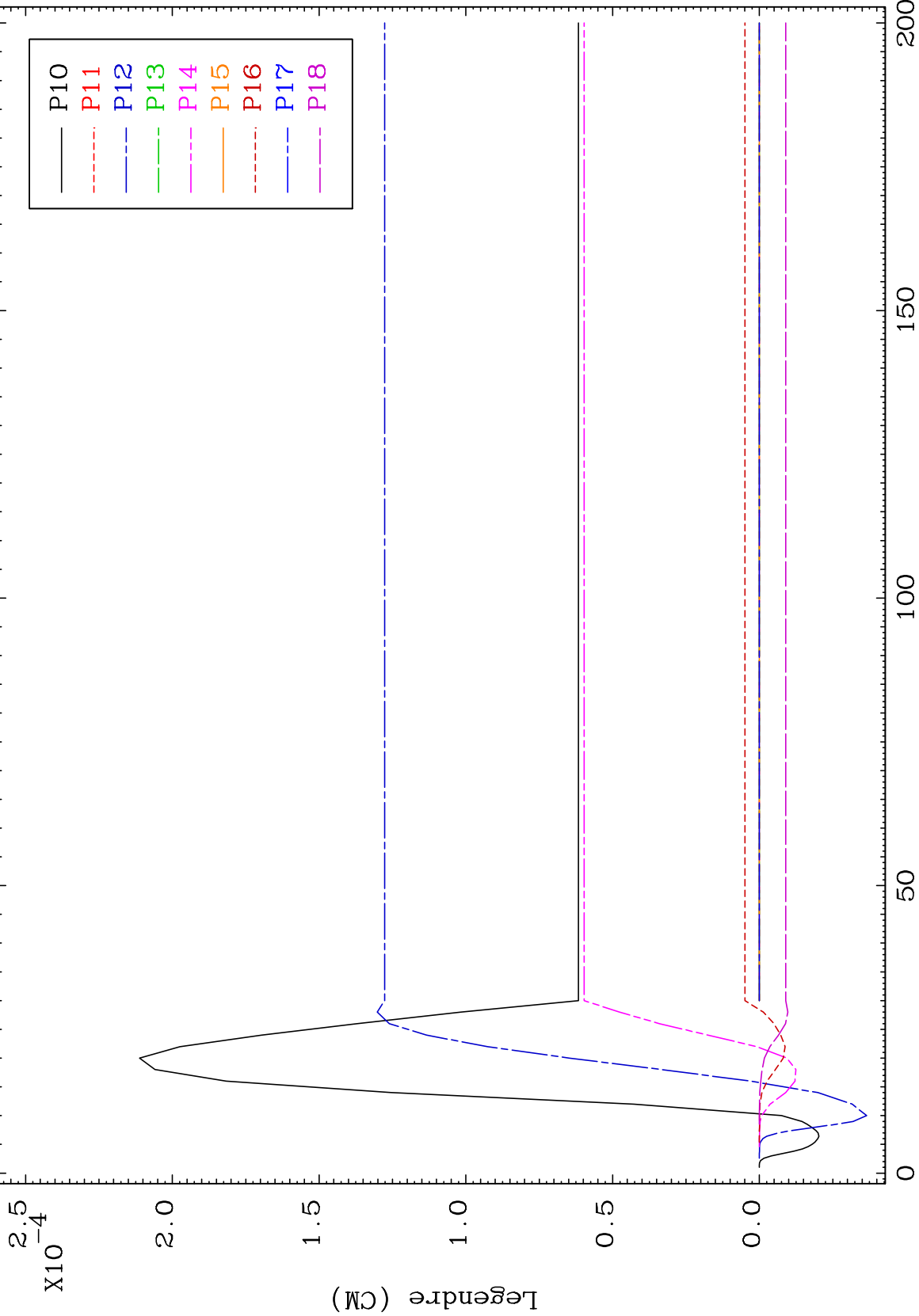
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



69

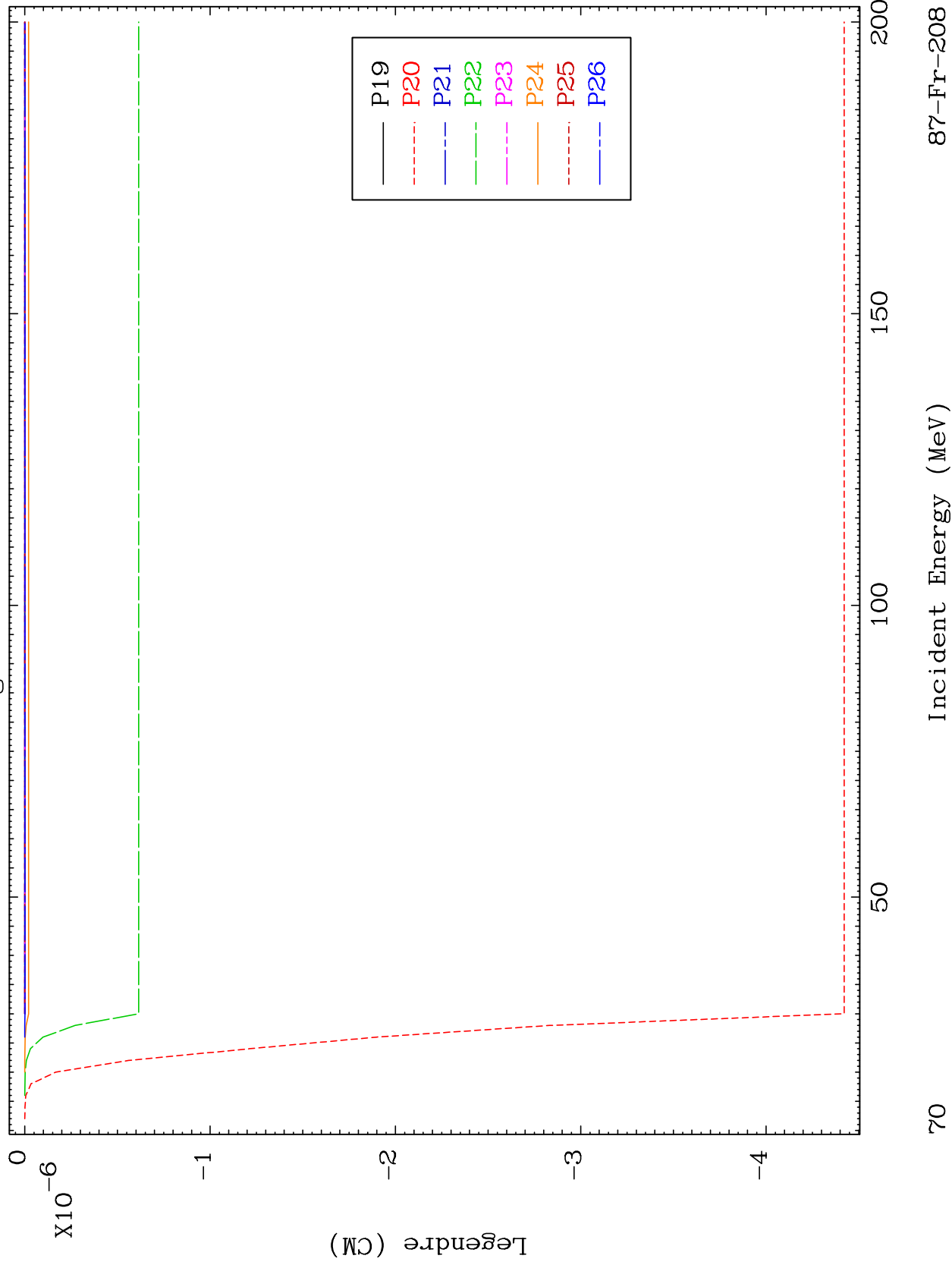
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

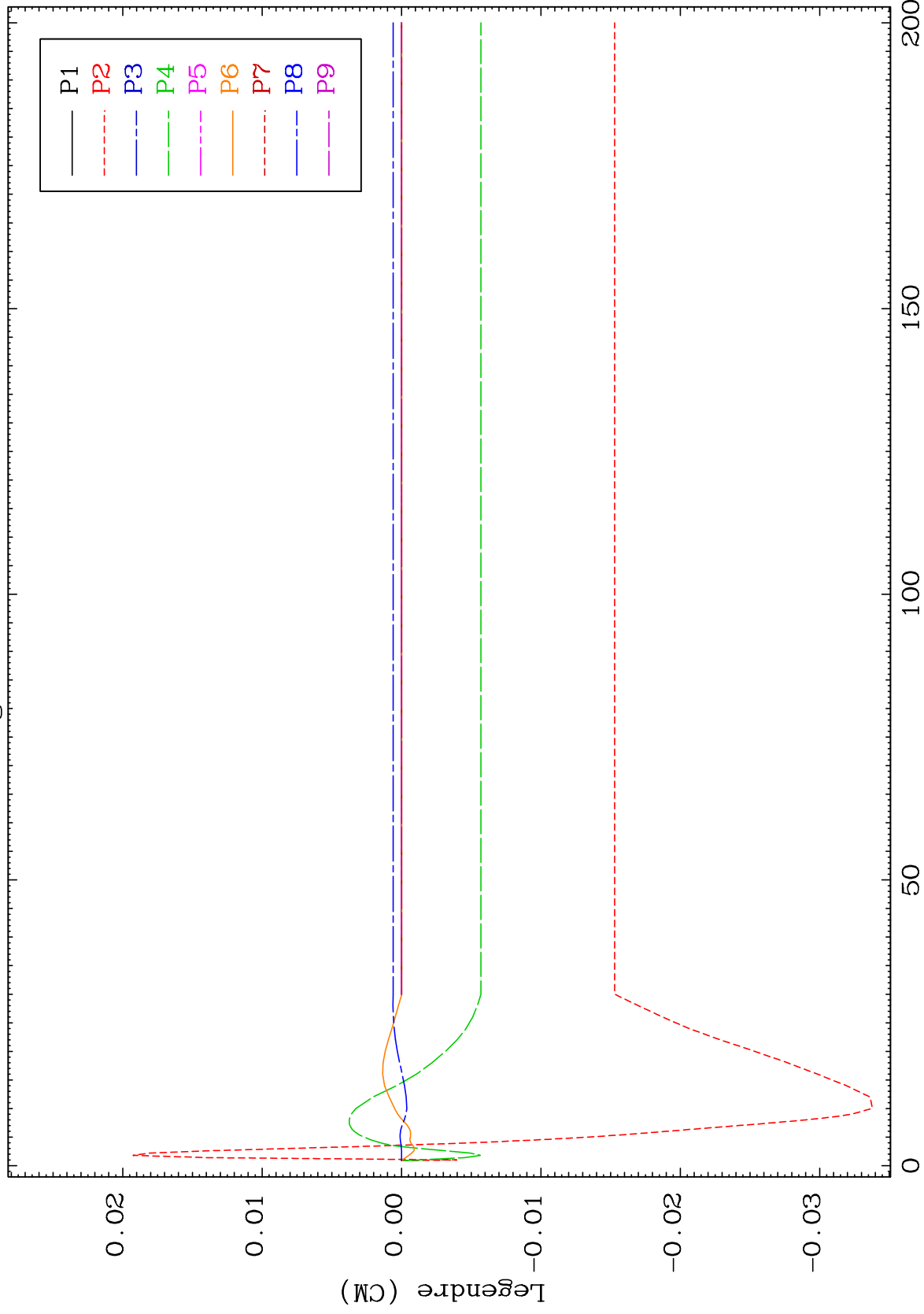
87-Fr-208



MAT 8713

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

87-Fr-208



71

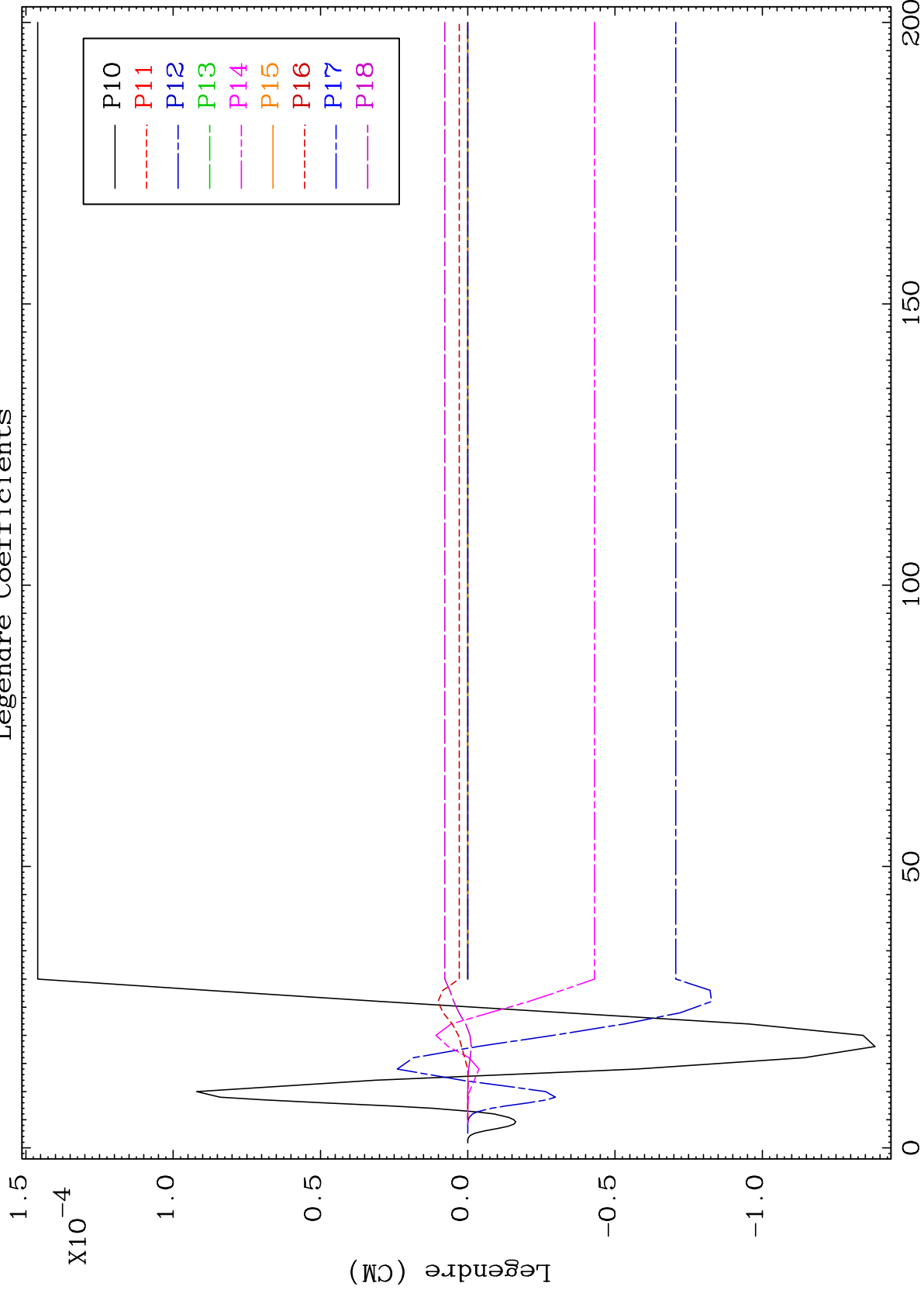
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



72

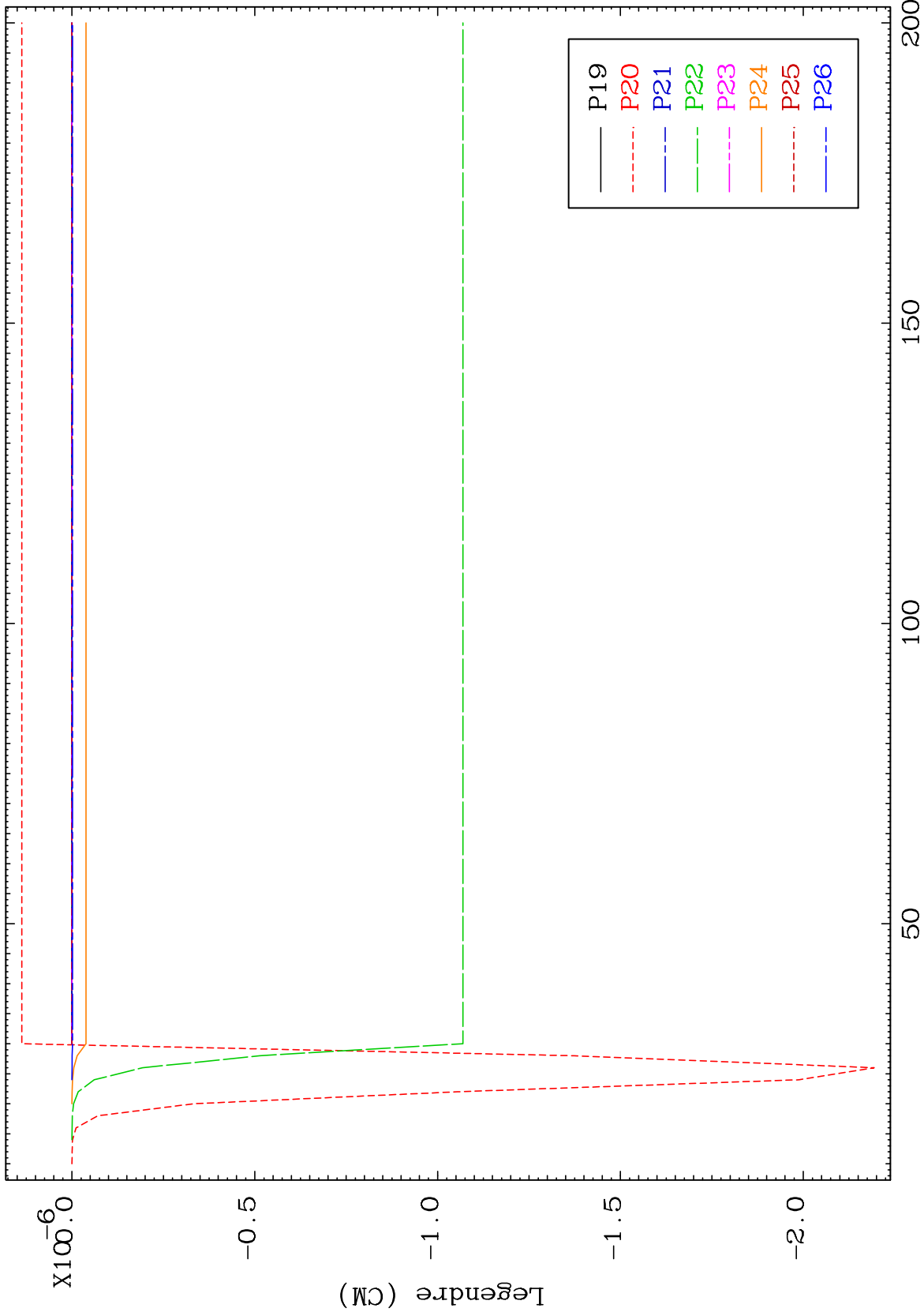
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



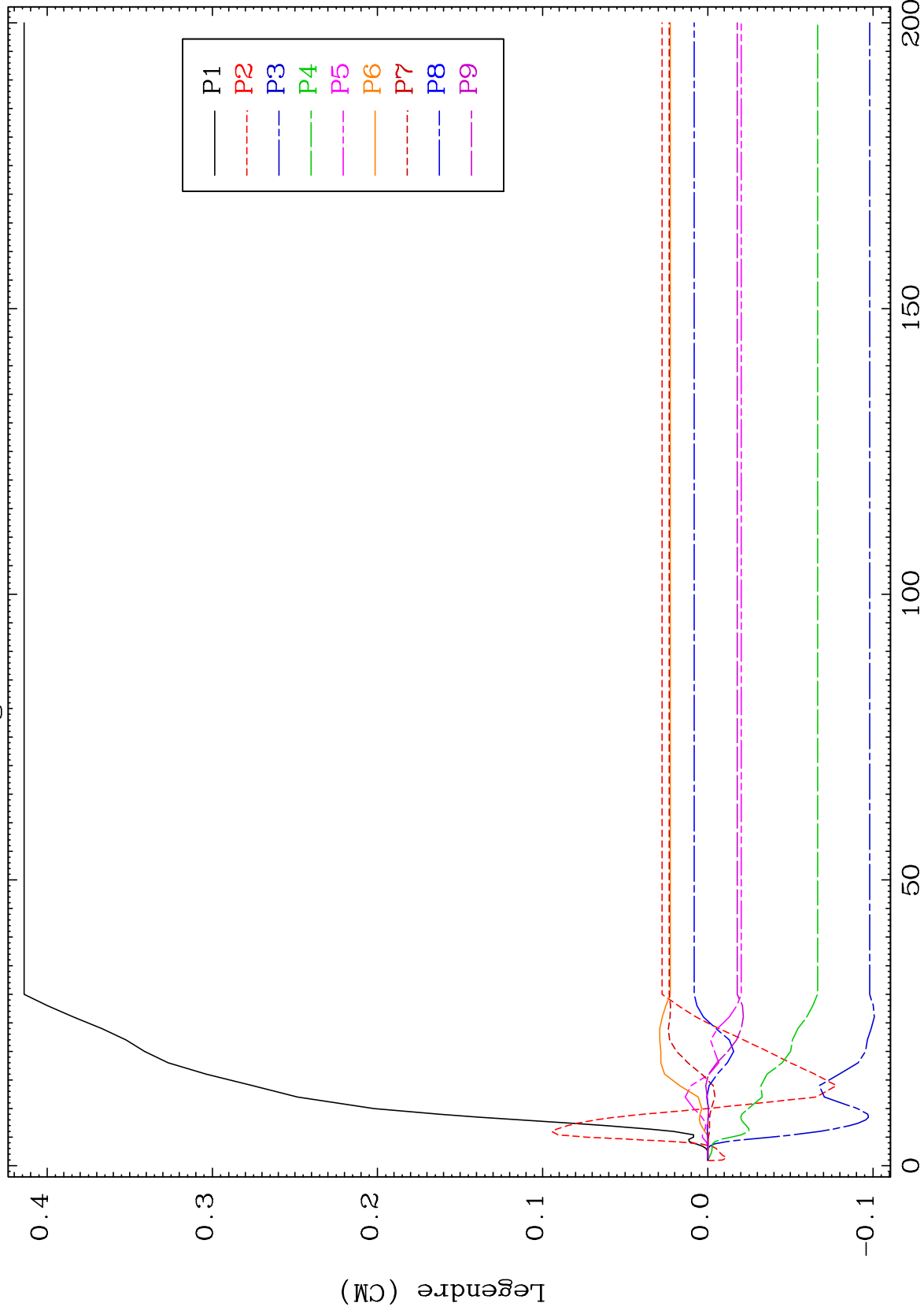
73

87-Fr-208

MAT 8713

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

87-Fr-208



74

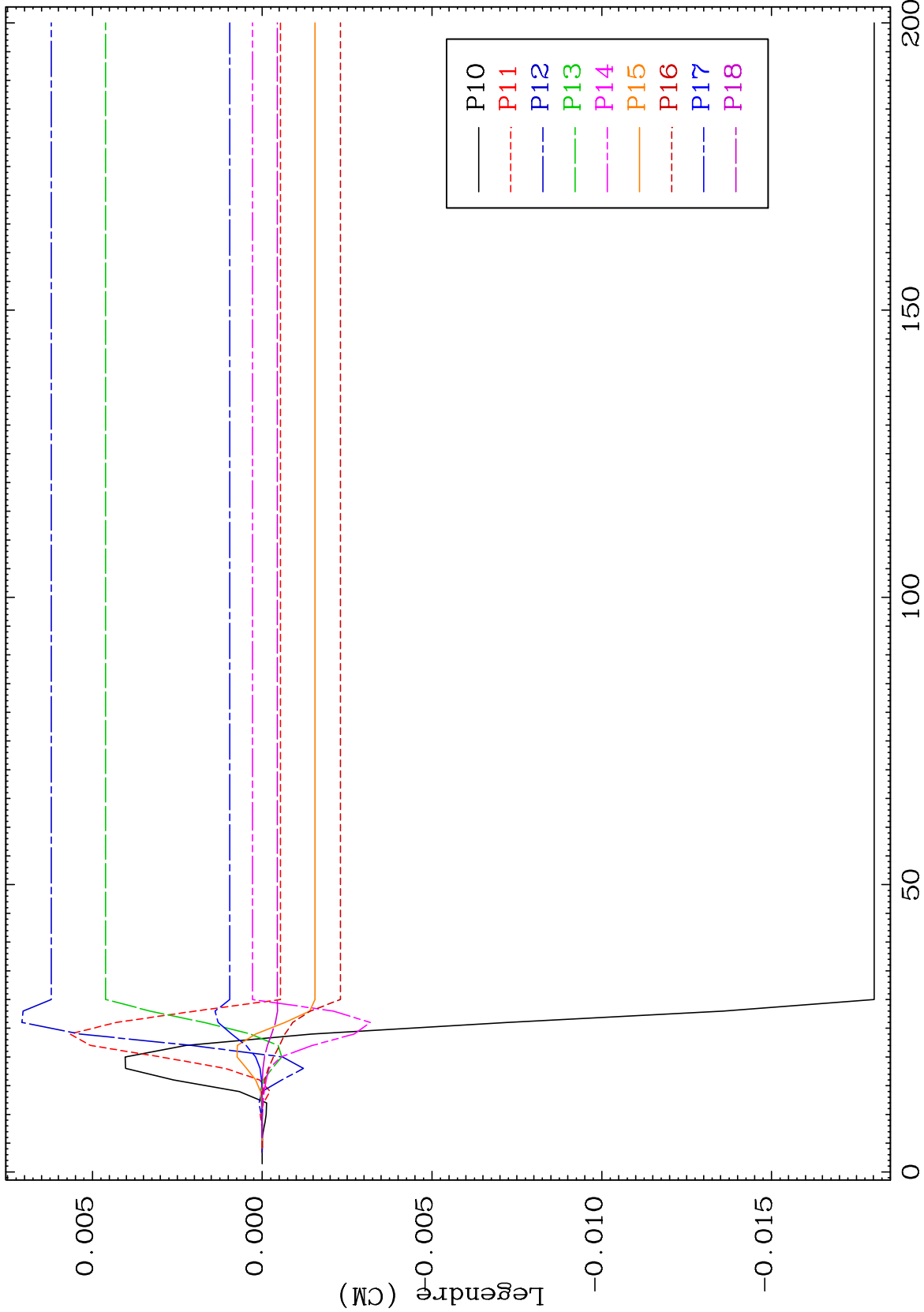
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



75

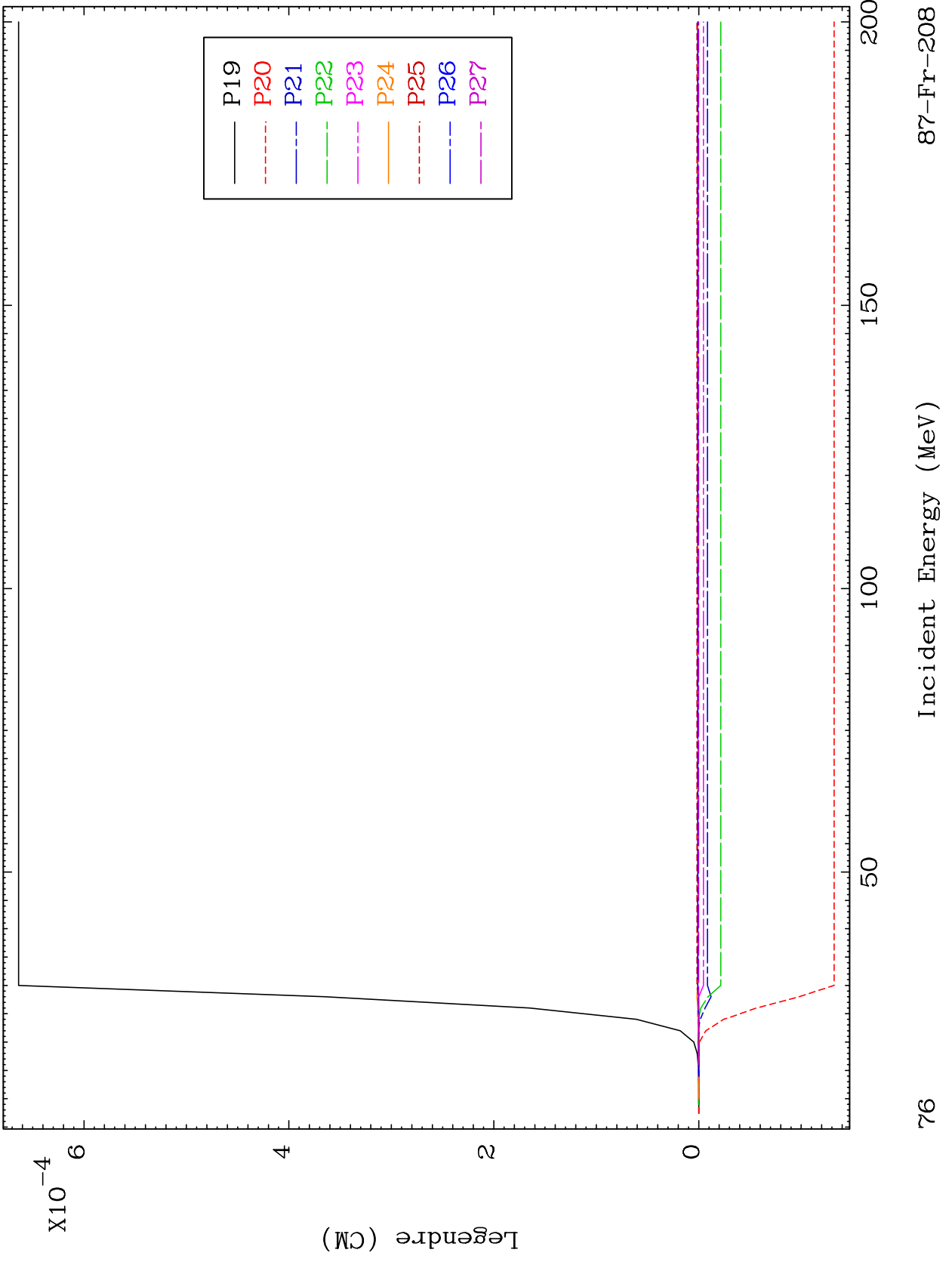
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



76

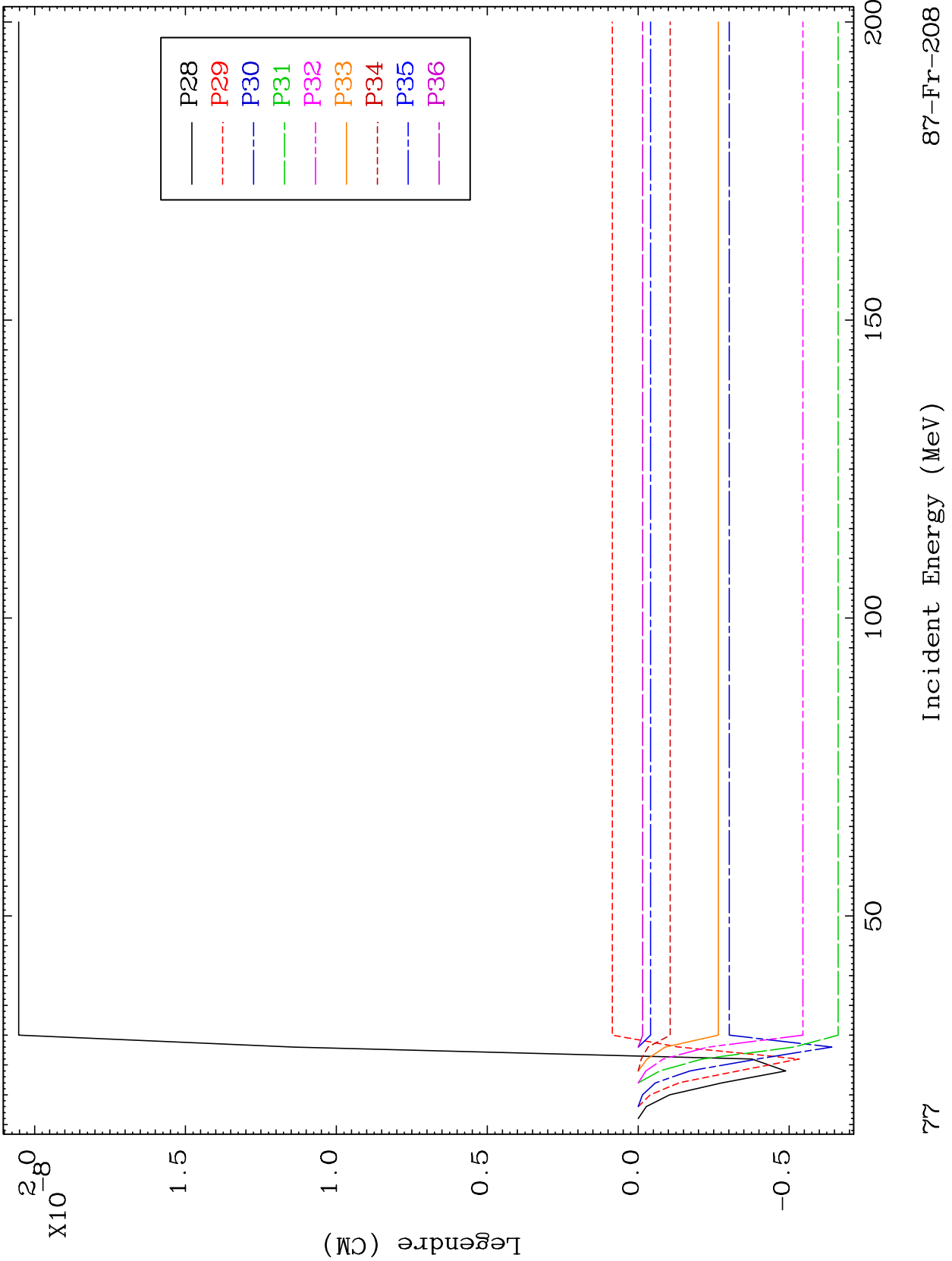
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



77

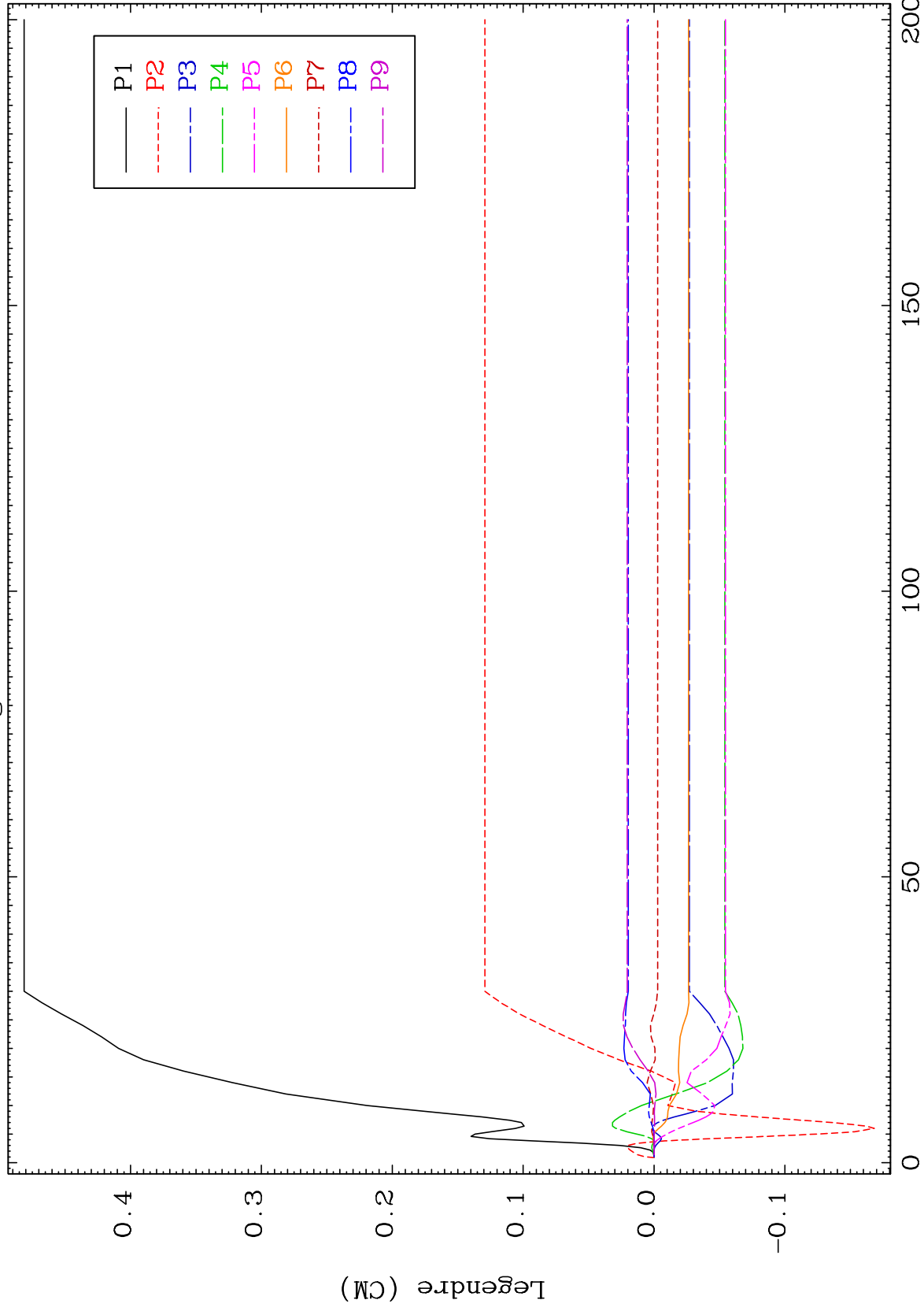
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



78

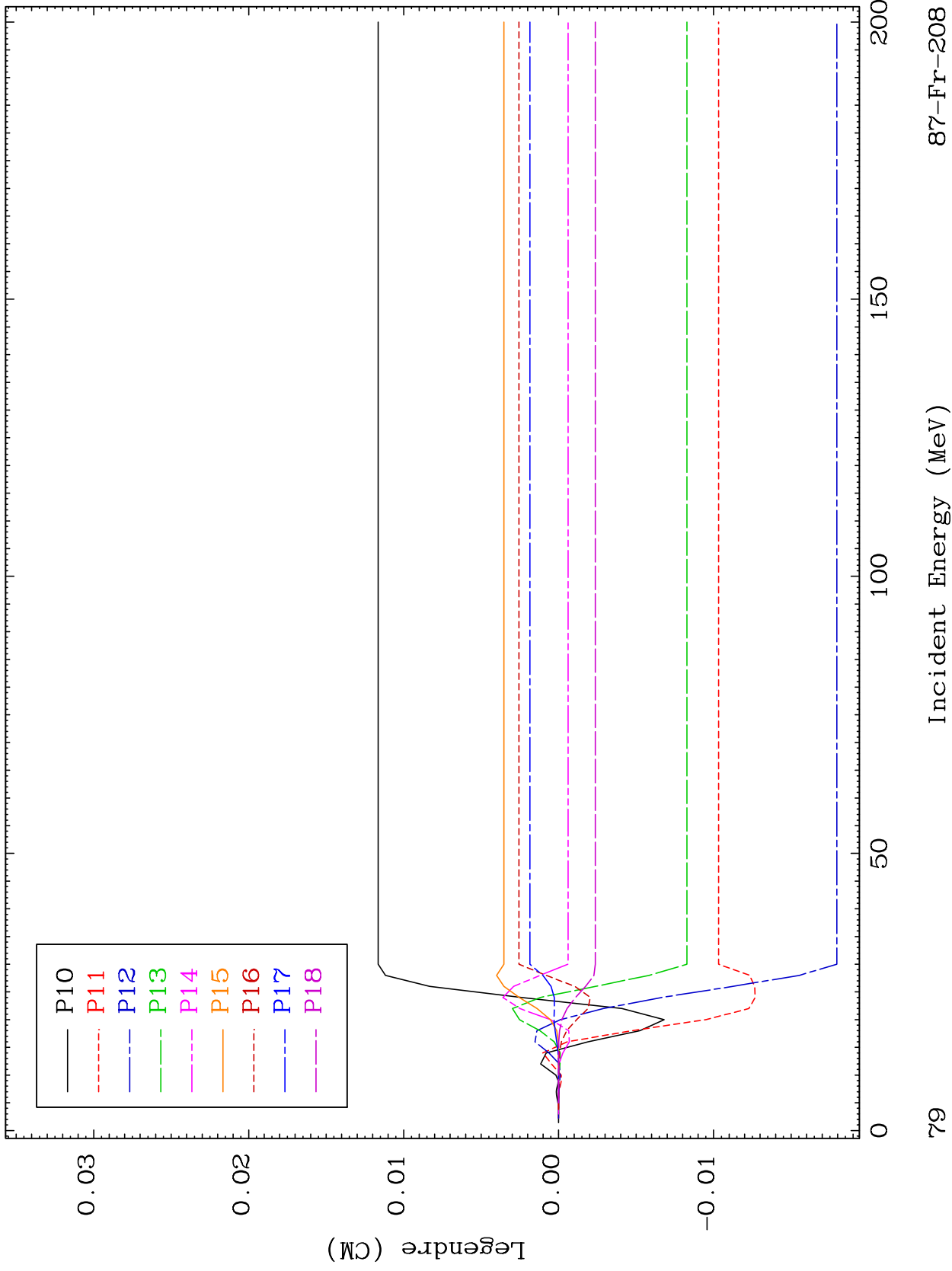
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



79

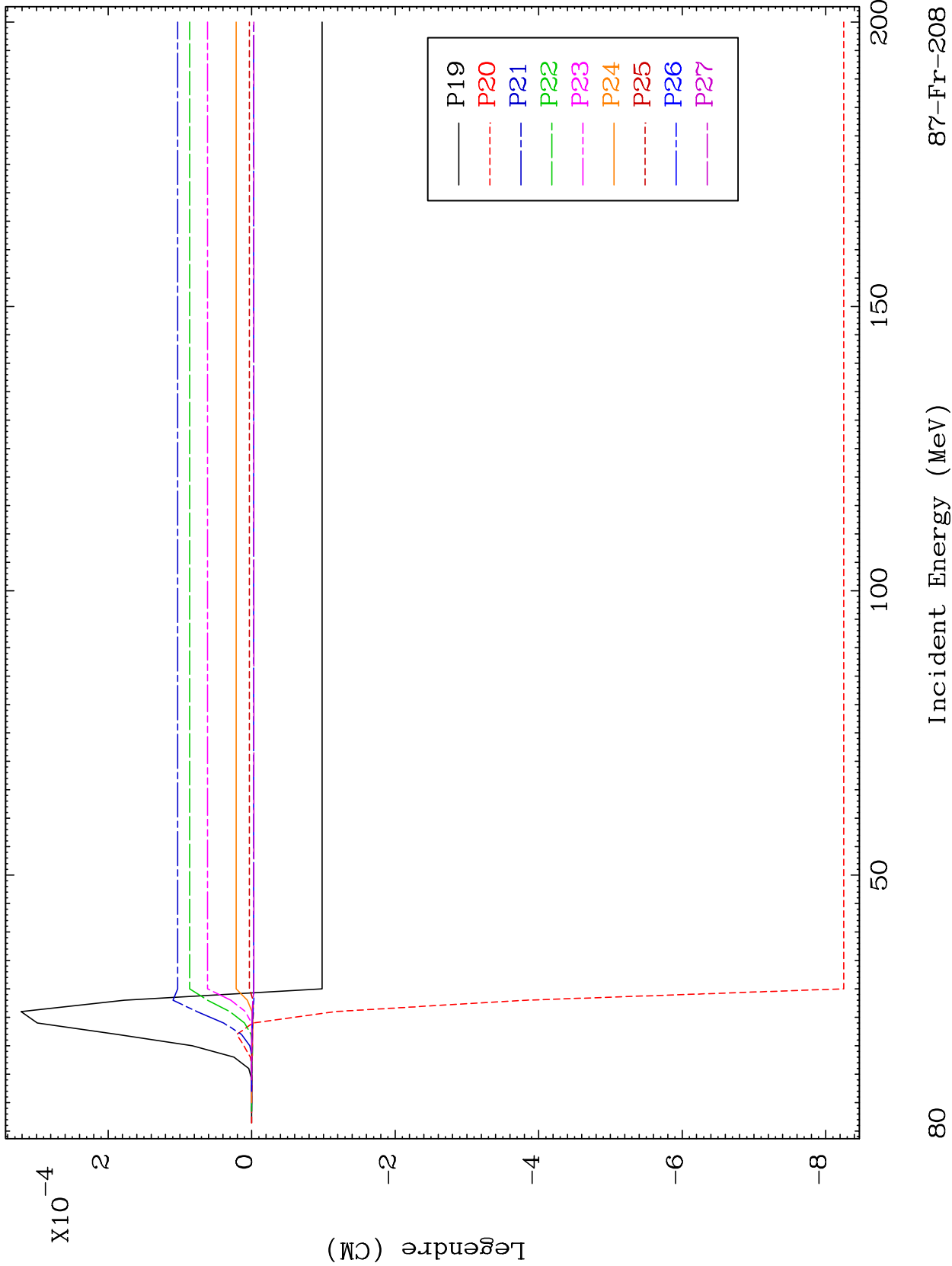
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



80

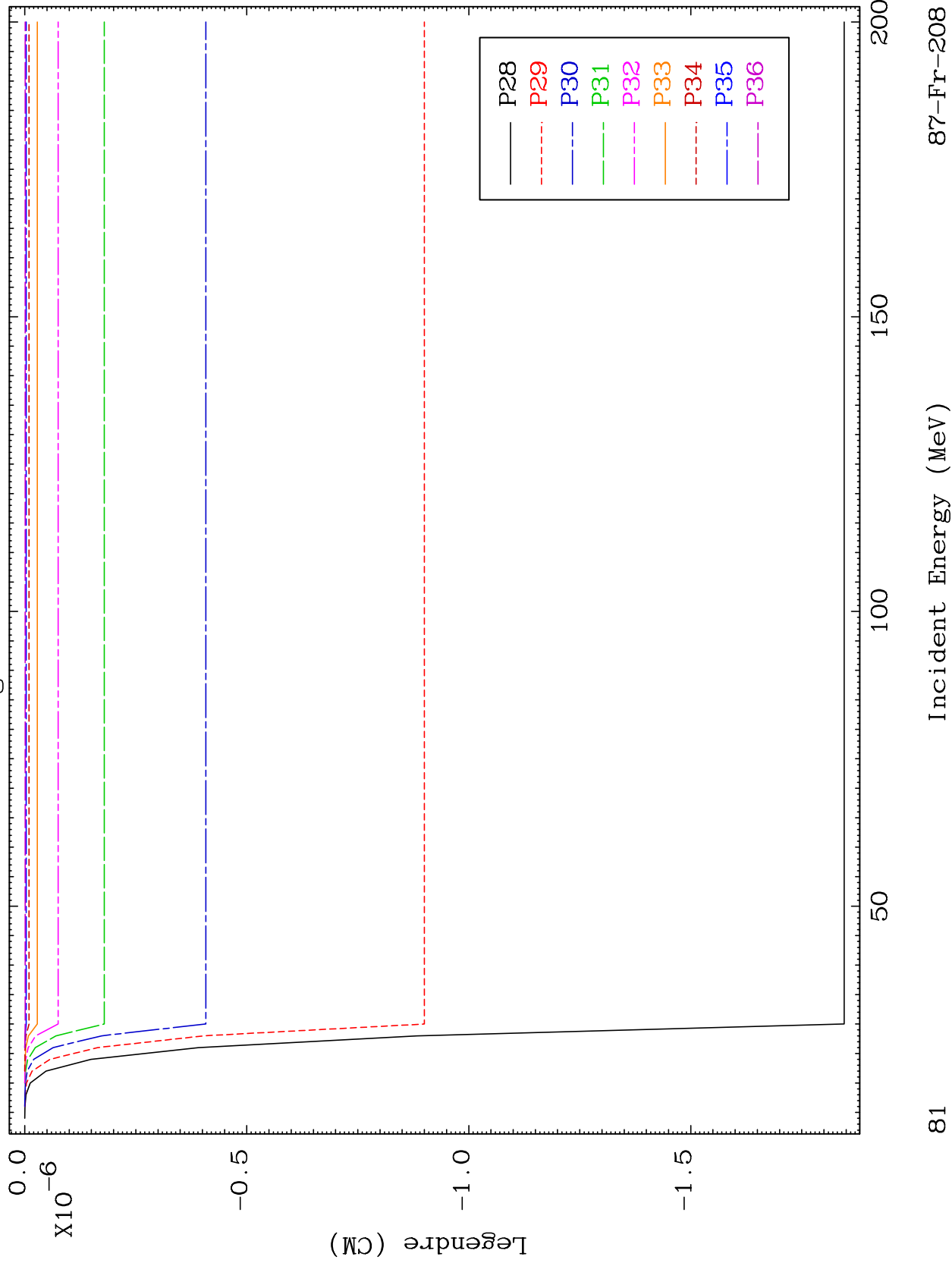
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208

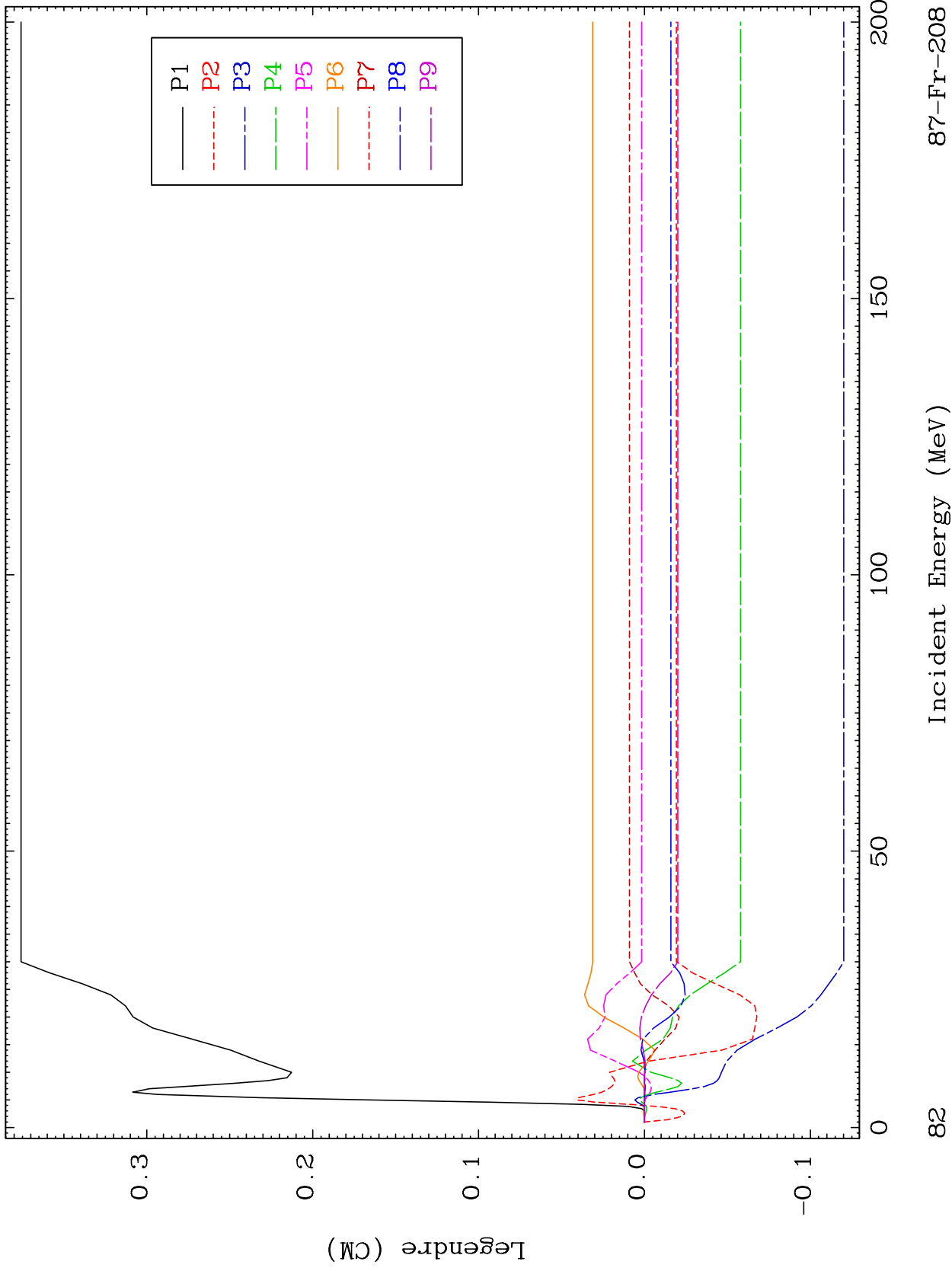


81

MAT 8713

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

87-Fr-208



87-Fr-208

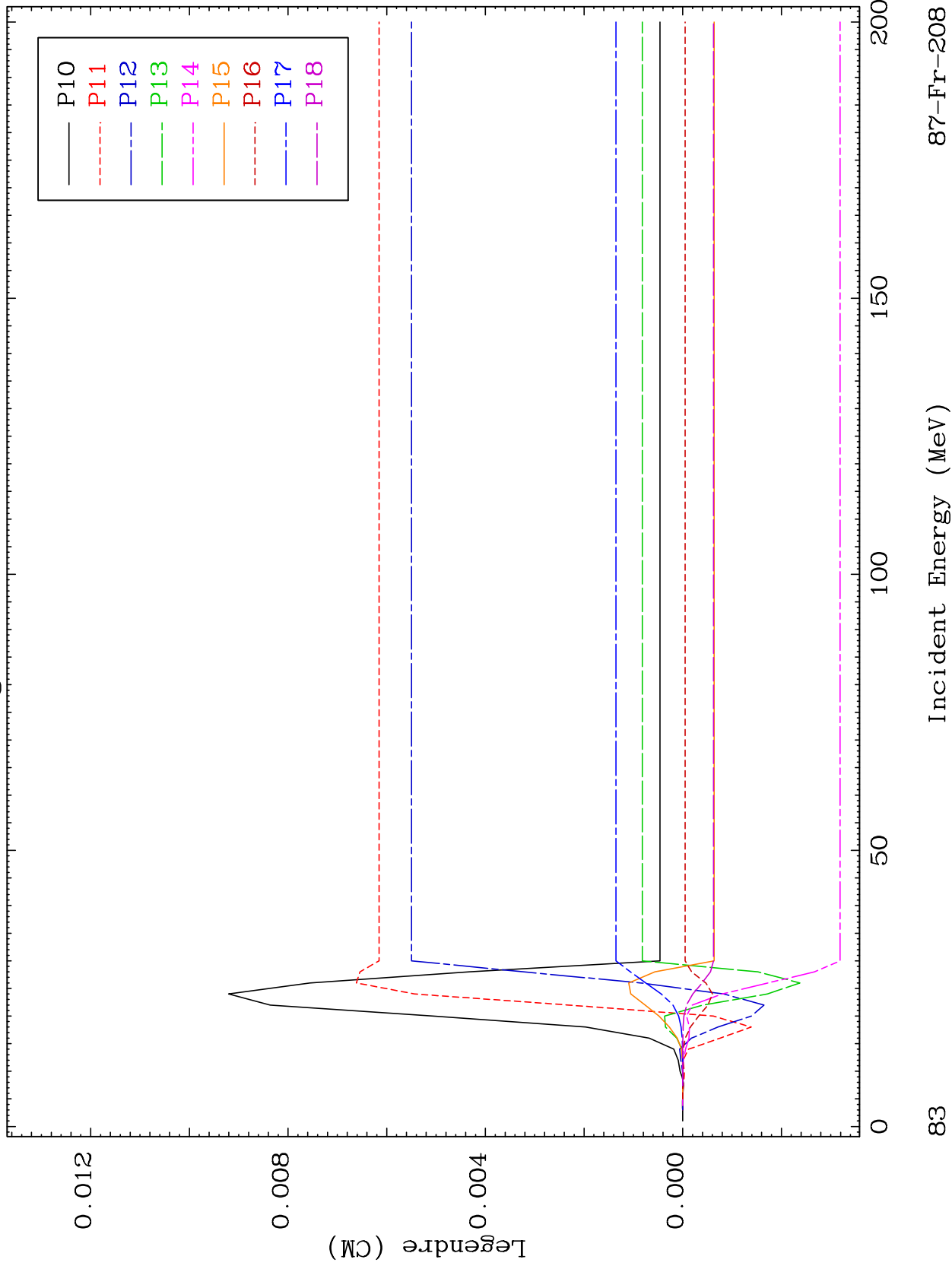
Incident Energy (MeV)

82

MAT 8713

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

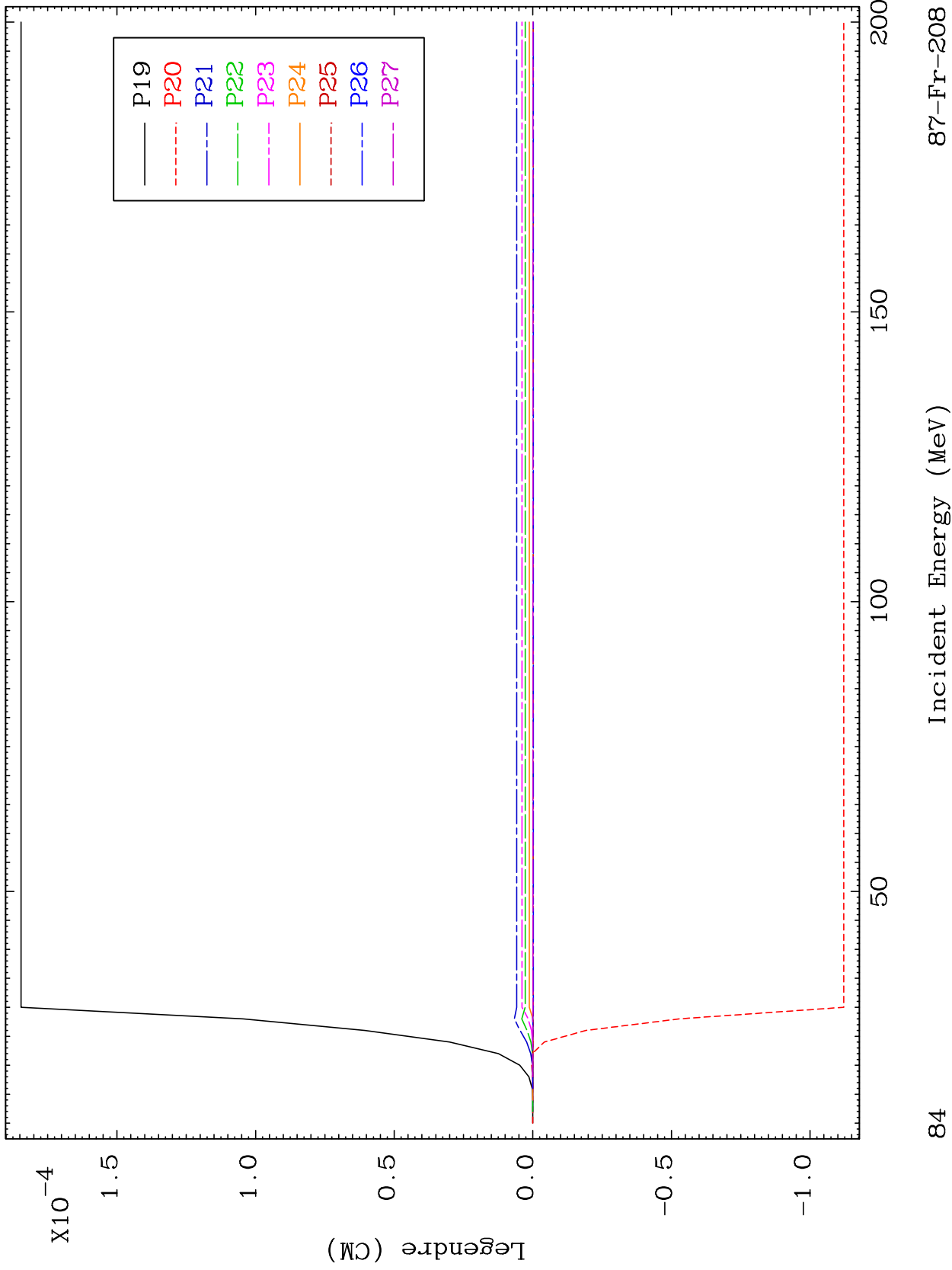
87-Fr-208



83

Incident Energy (MeV)

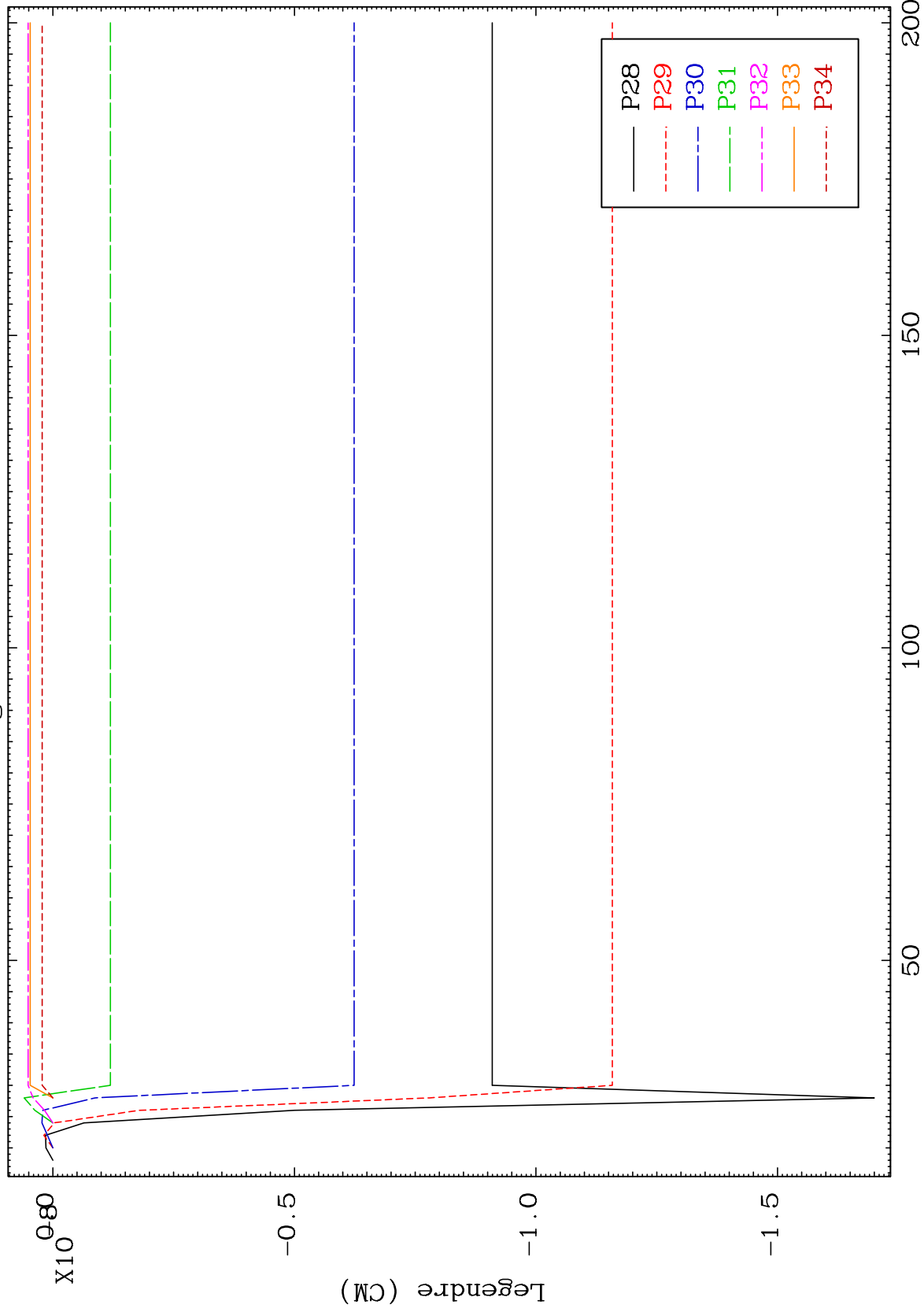
87-Fr-208



MAT 8713

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

87-Fr-208



85

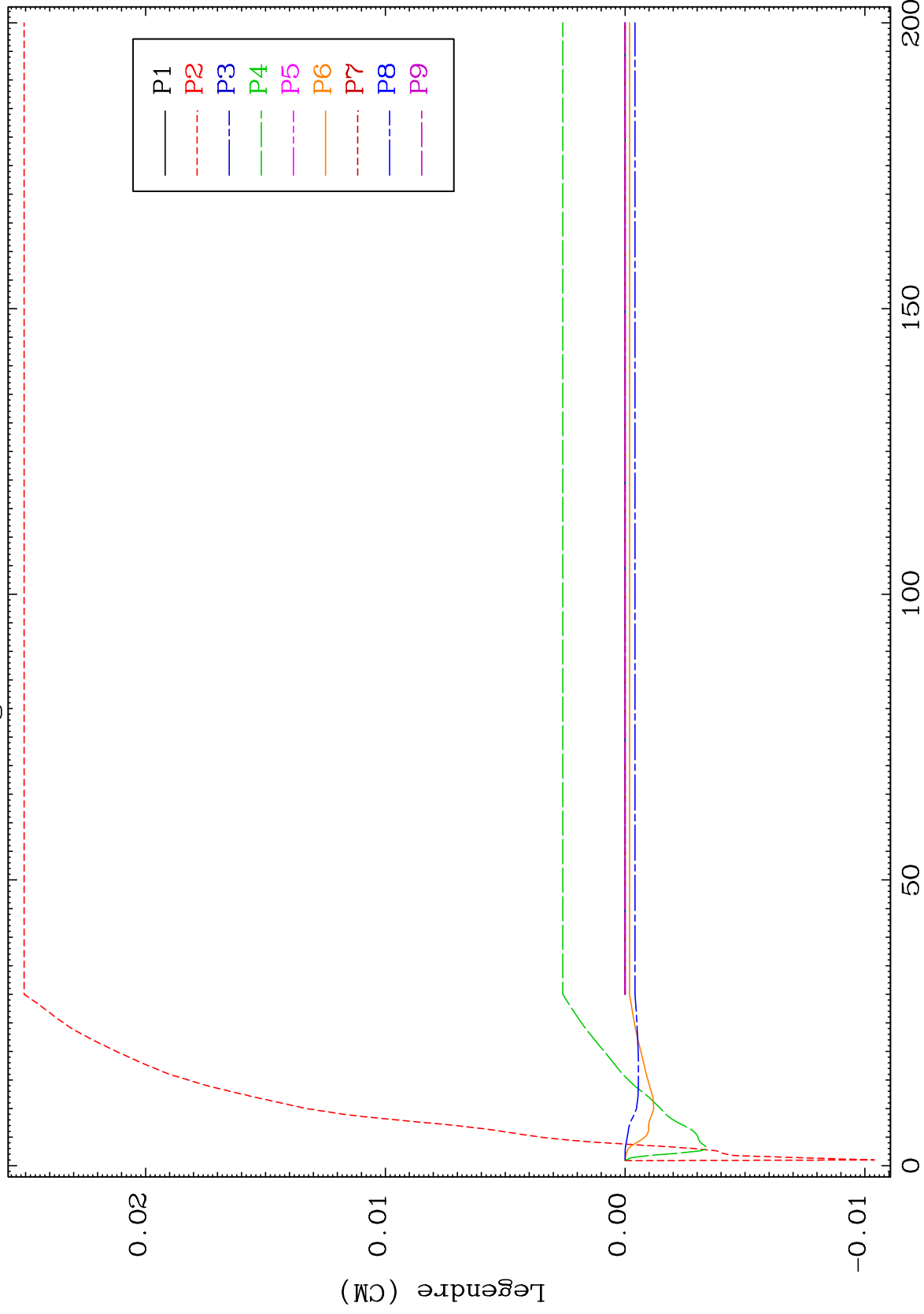
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



86

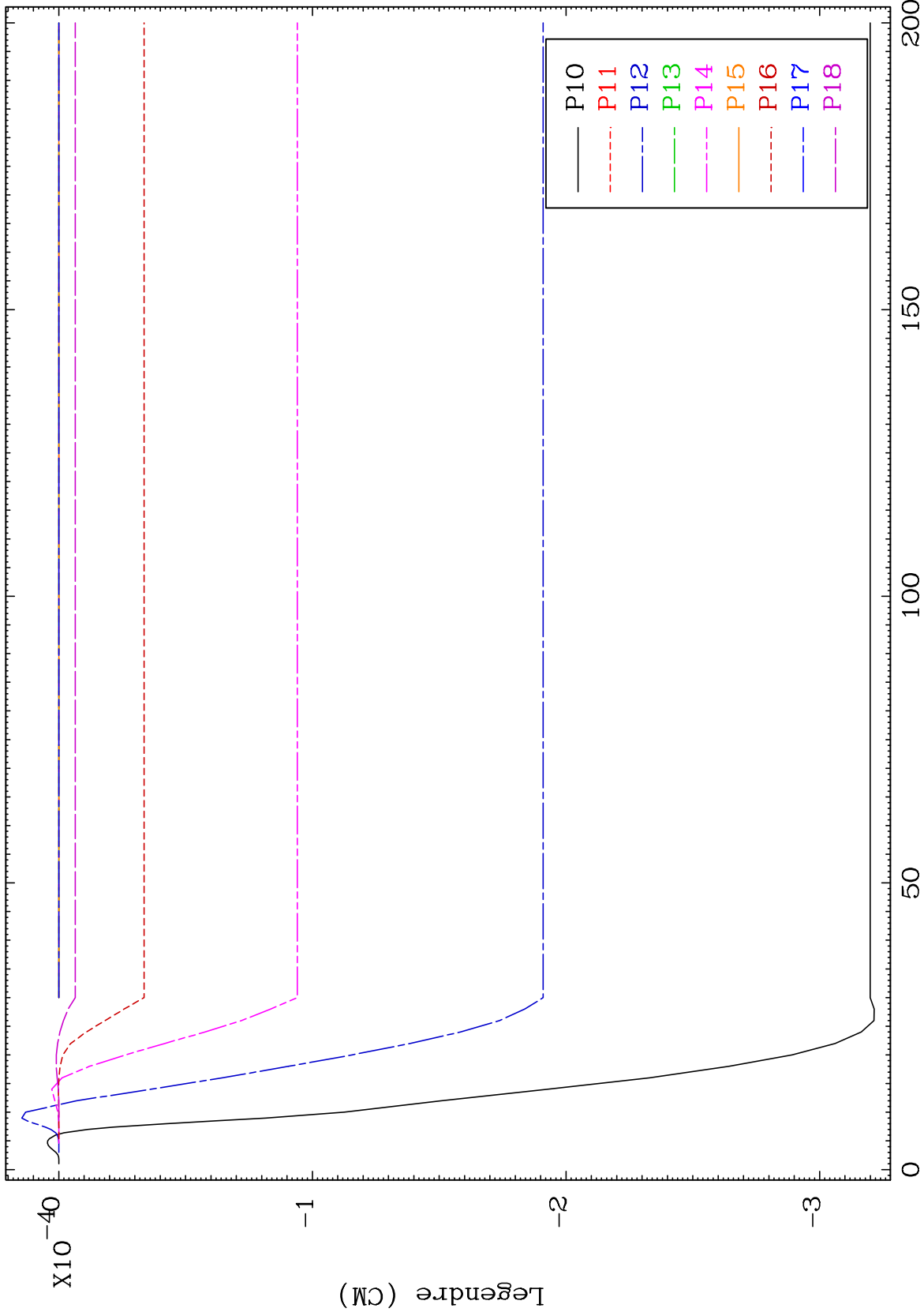
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



87

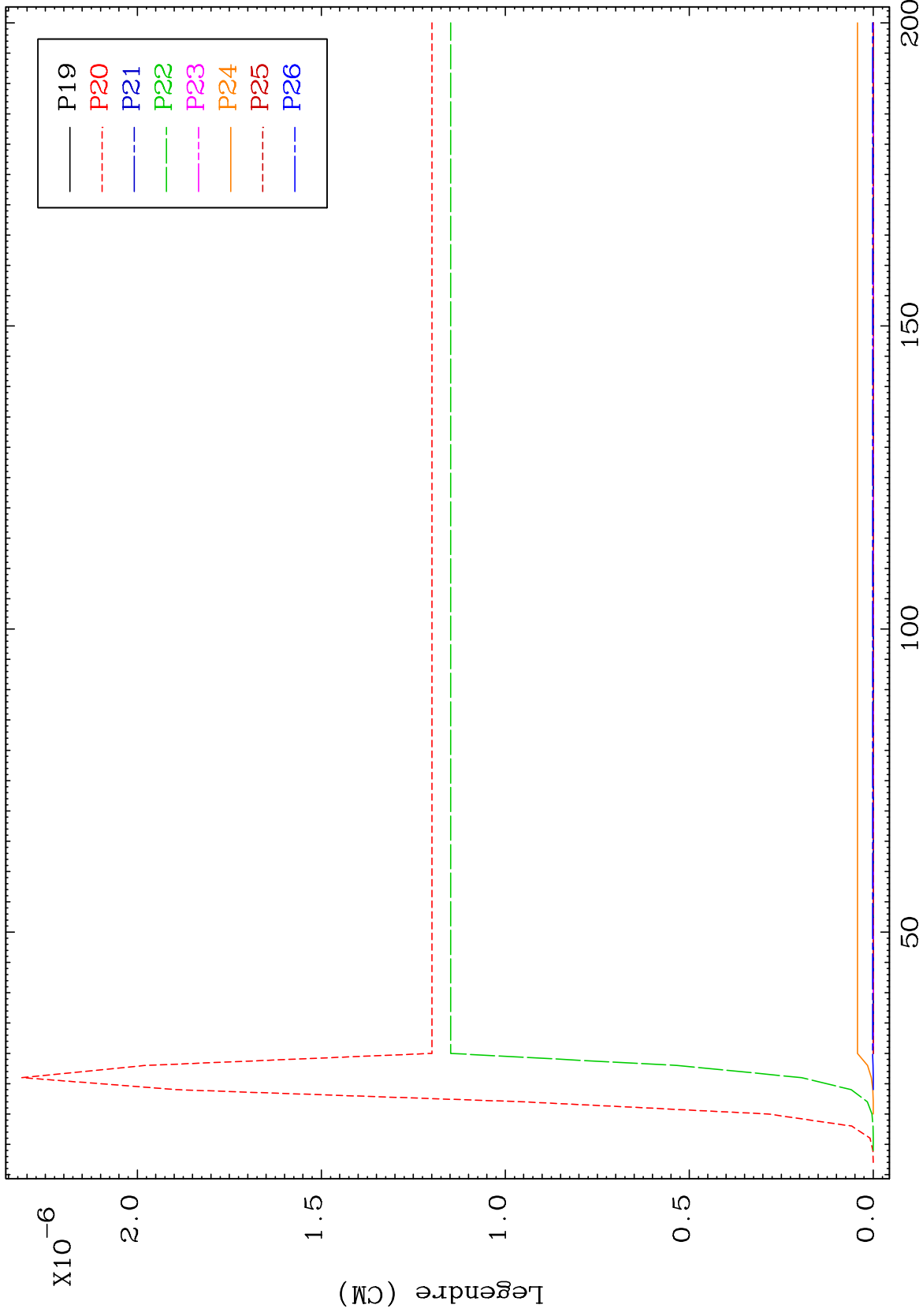
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



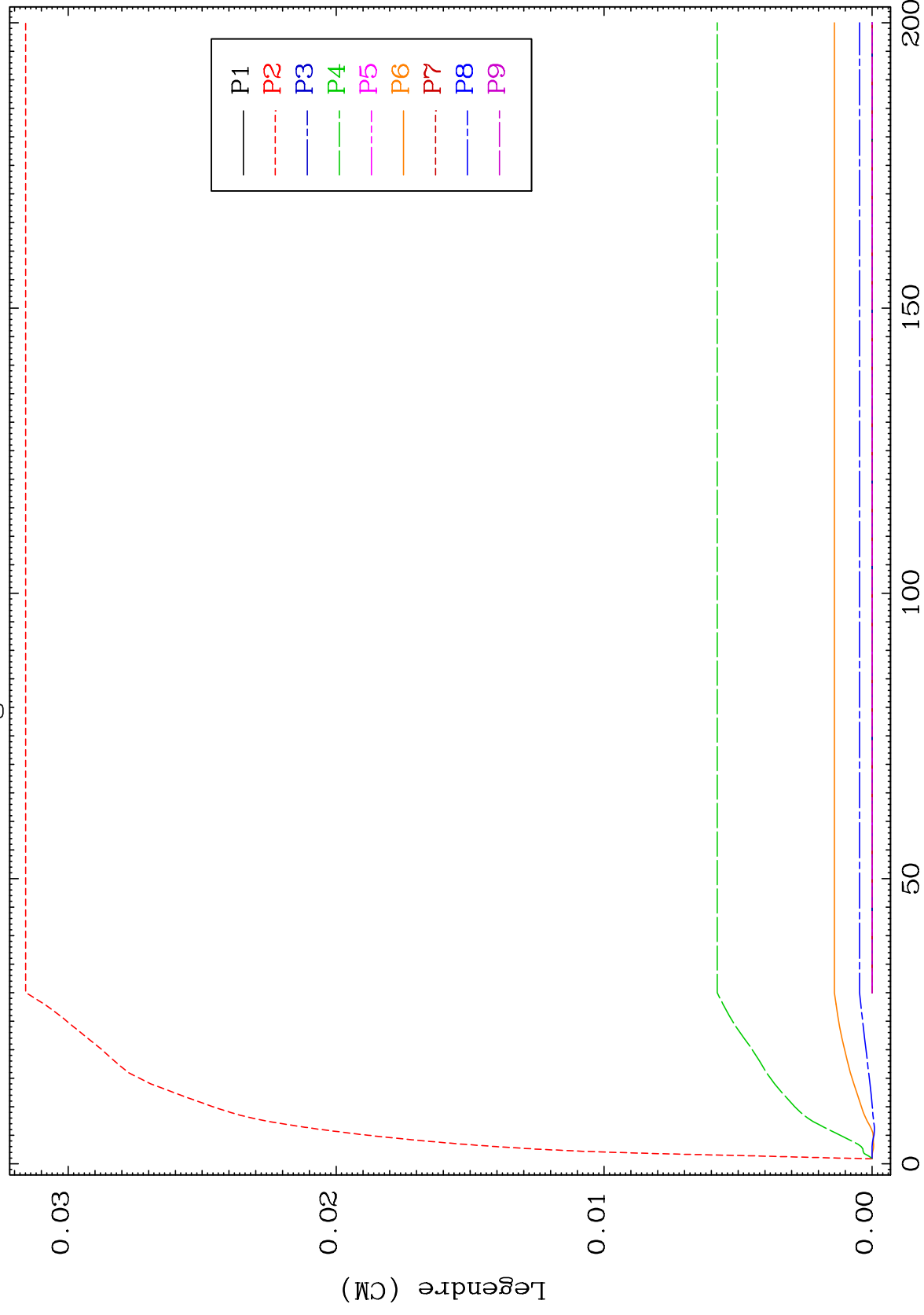
88

87-Fr-208

MAT 8713

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

87-Fr-208



89

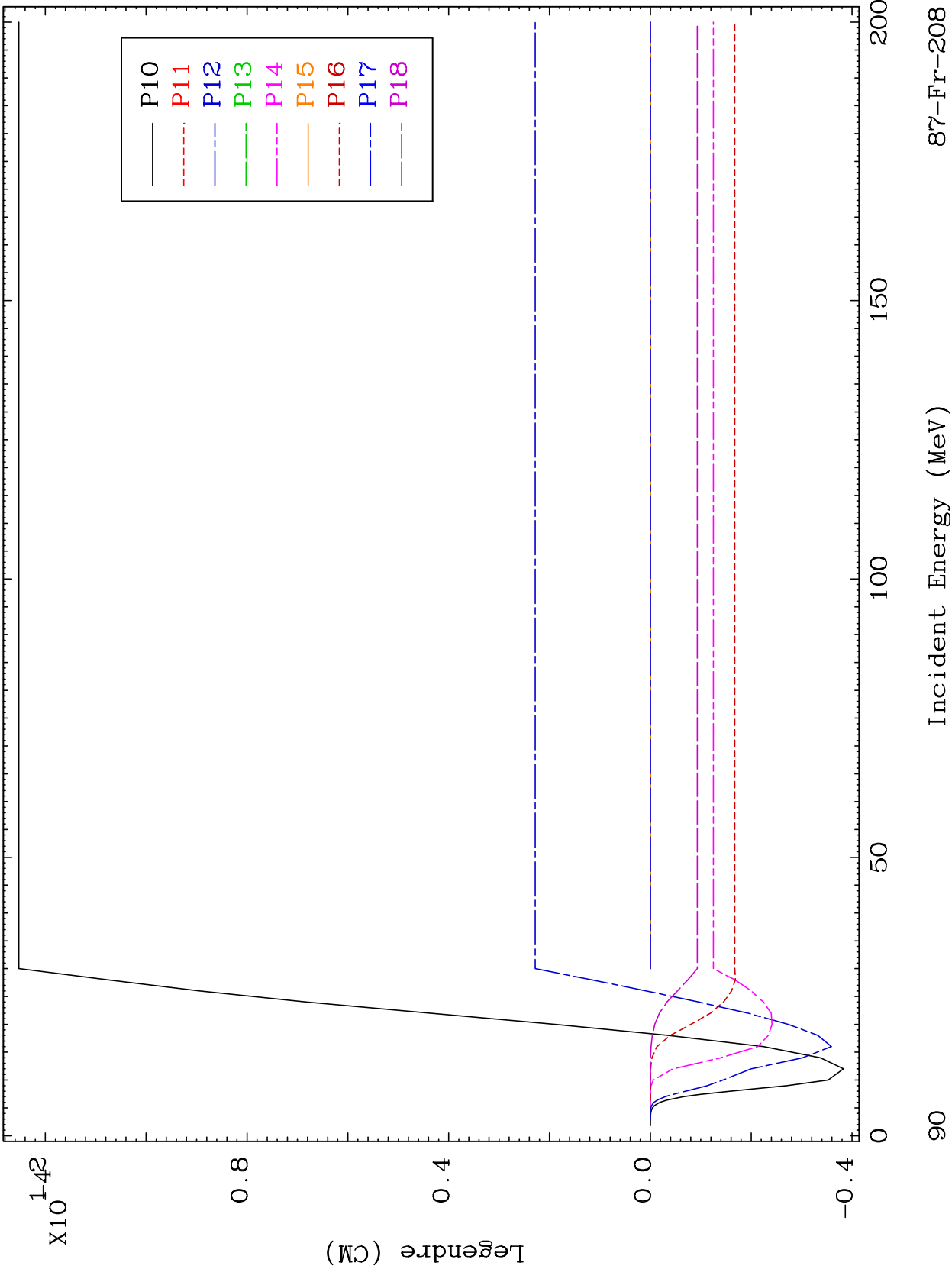
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



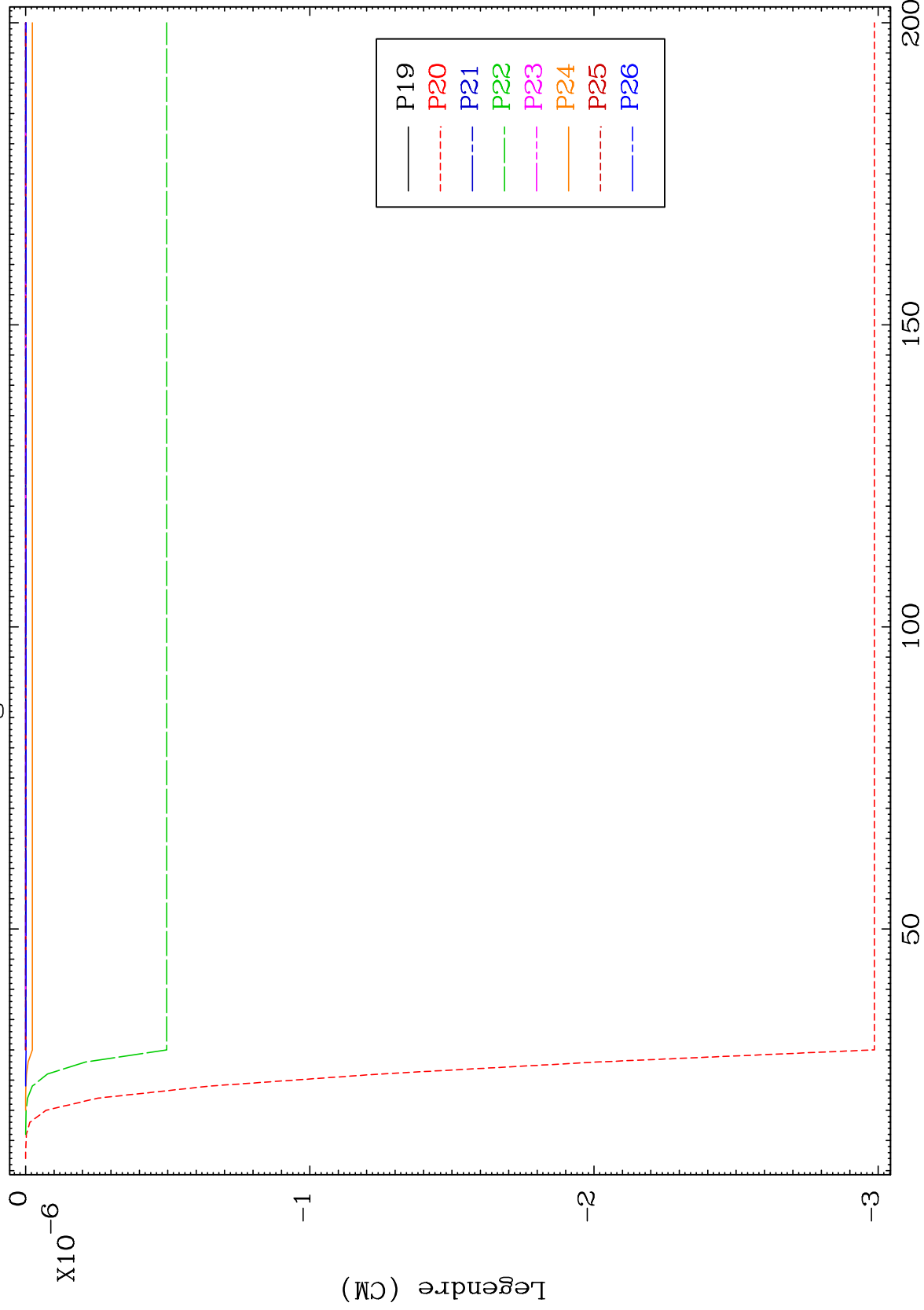
87-Fr-208

Incident Energy (MeV)

MAT 8713

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

87-Fr-208



91

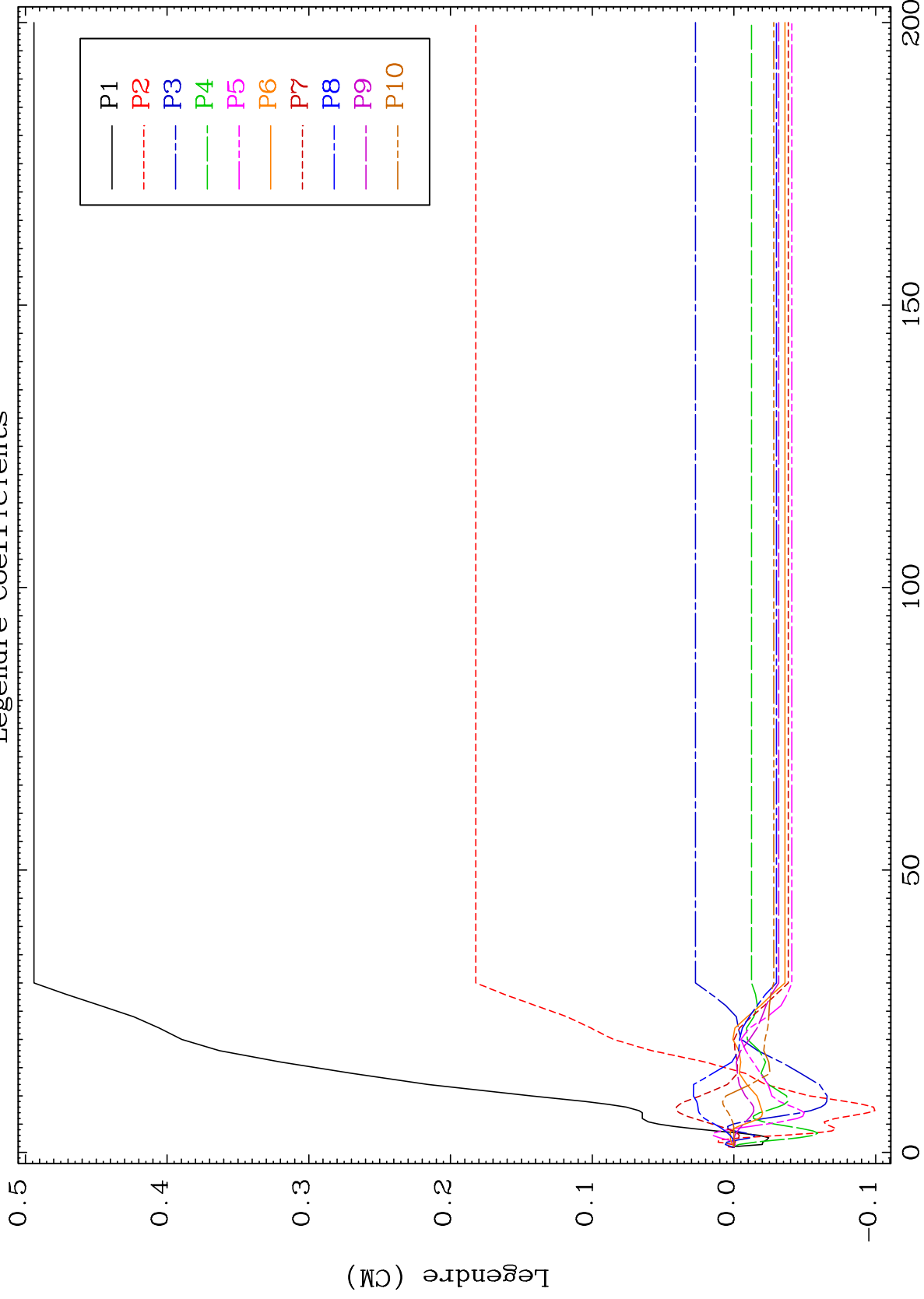
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



92

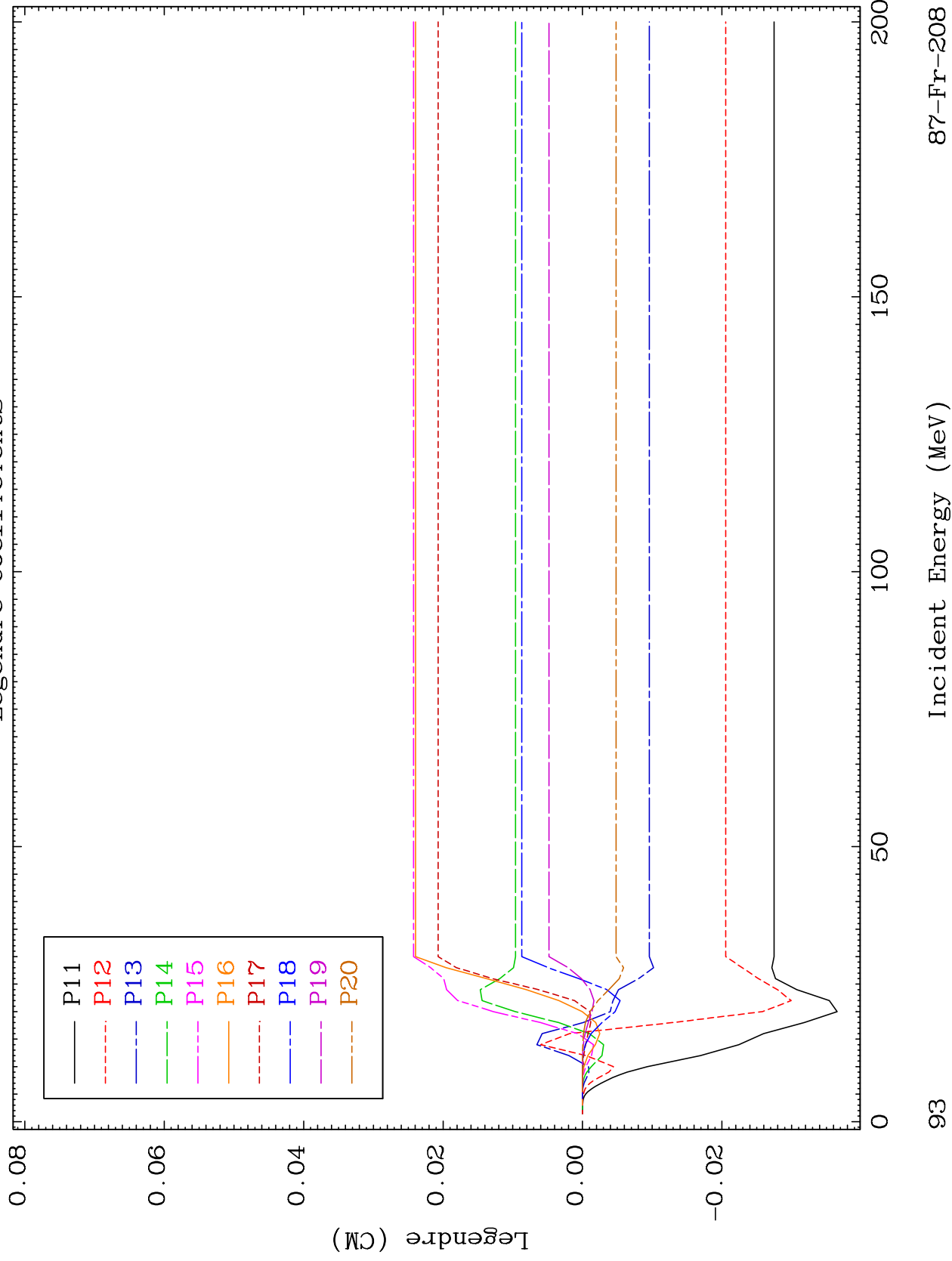
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

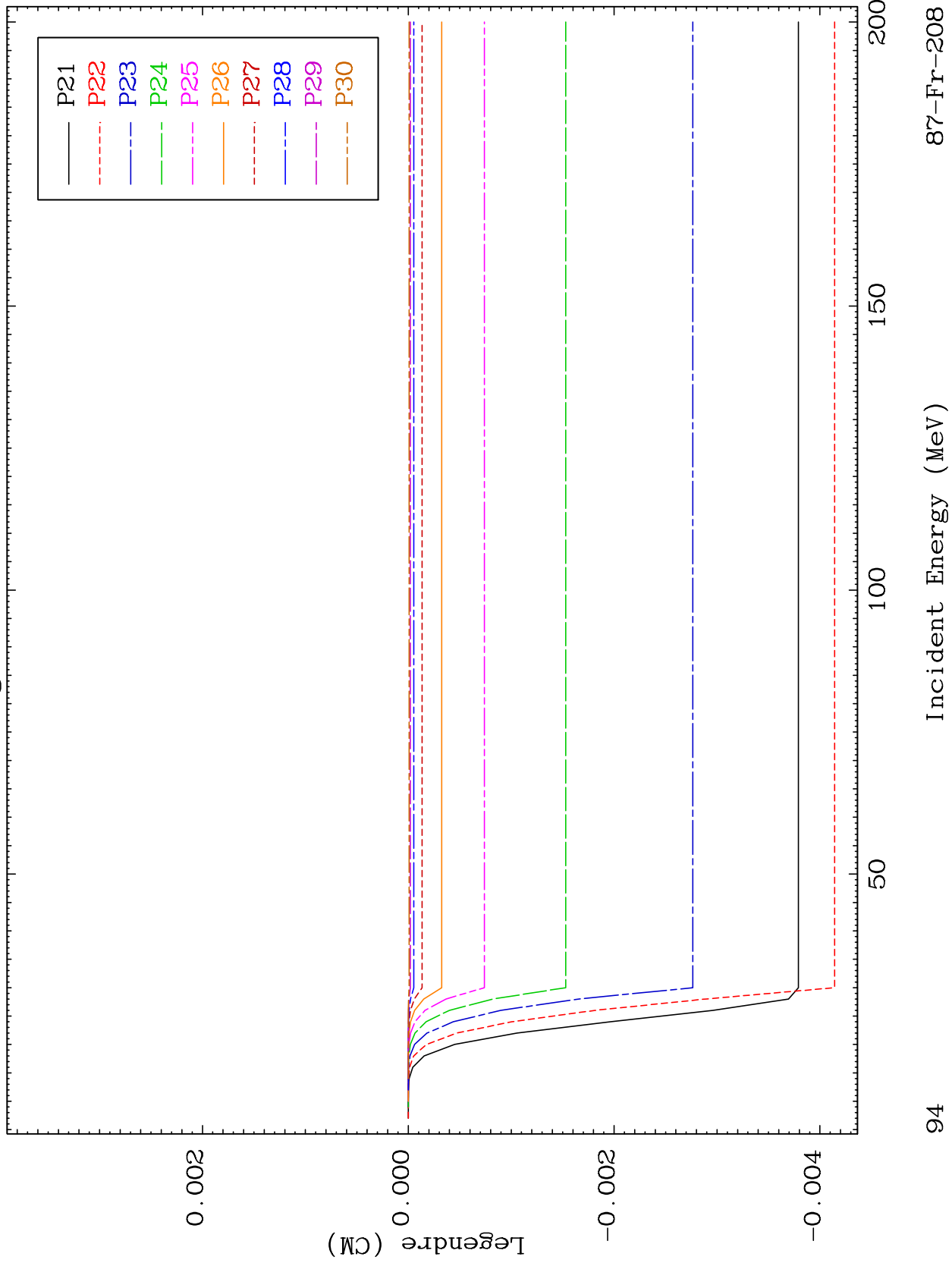
87-Fr-208



MAT 8713

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

87-Fr-208



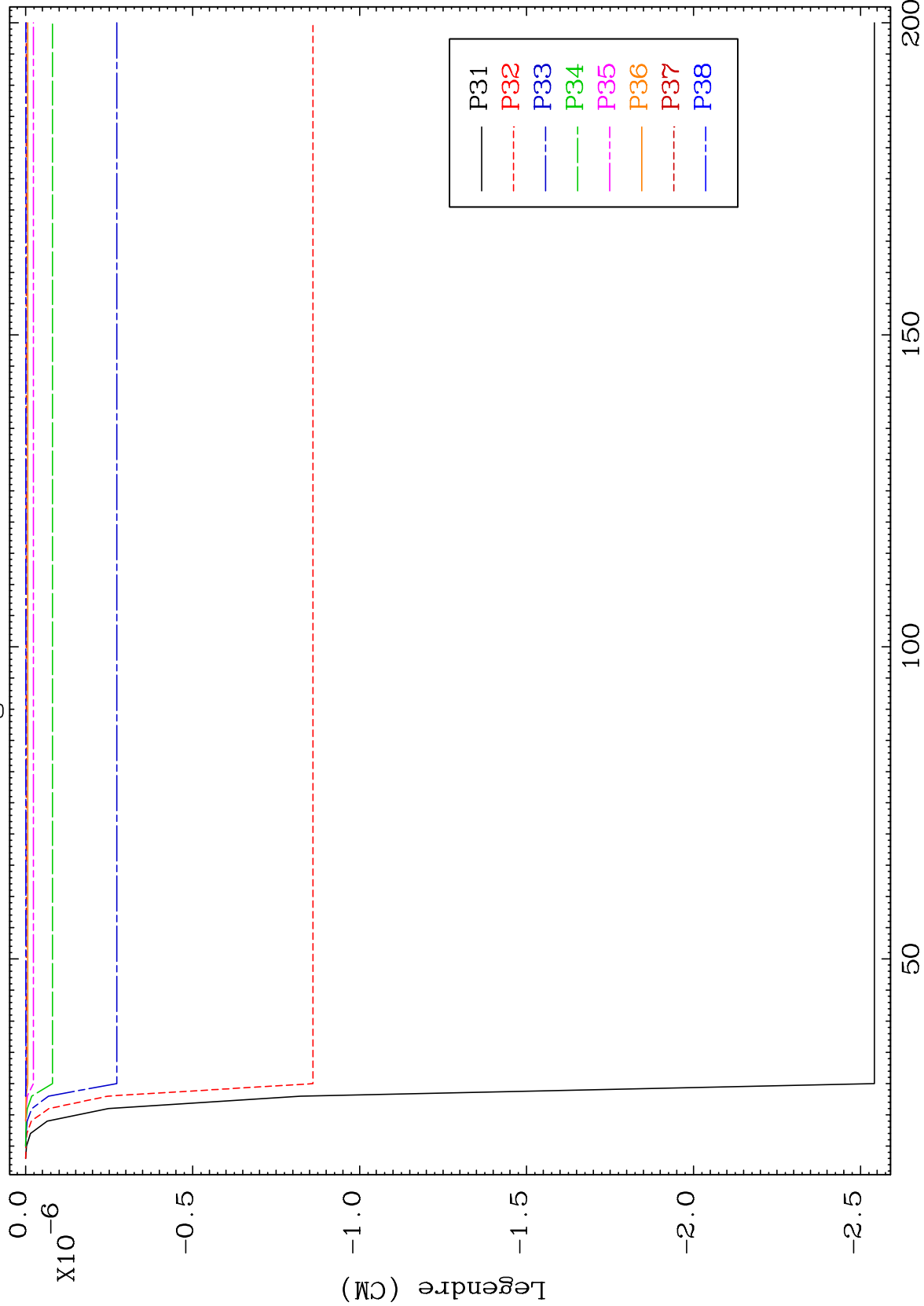
94

MAT 8713

MT= 72 (n,n') Level

87-Fr-208

Legendre Coefficients



95

Incident Energy (MeV)

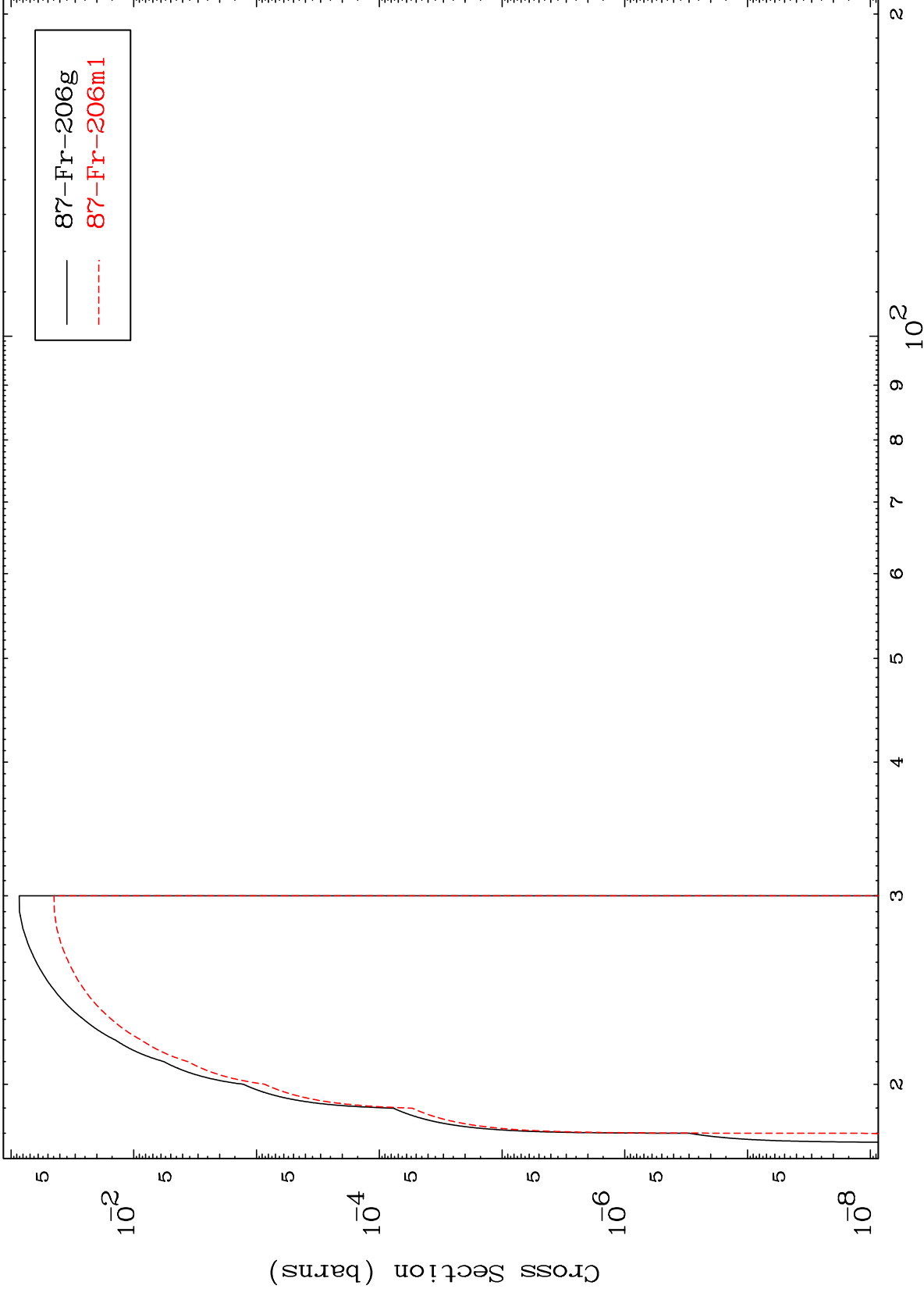
87-Fr-208

MAT 8713

(n,3n)

87-Fr-208

Radionuclide Production Cross Section



96

Incident Energy (MeV)

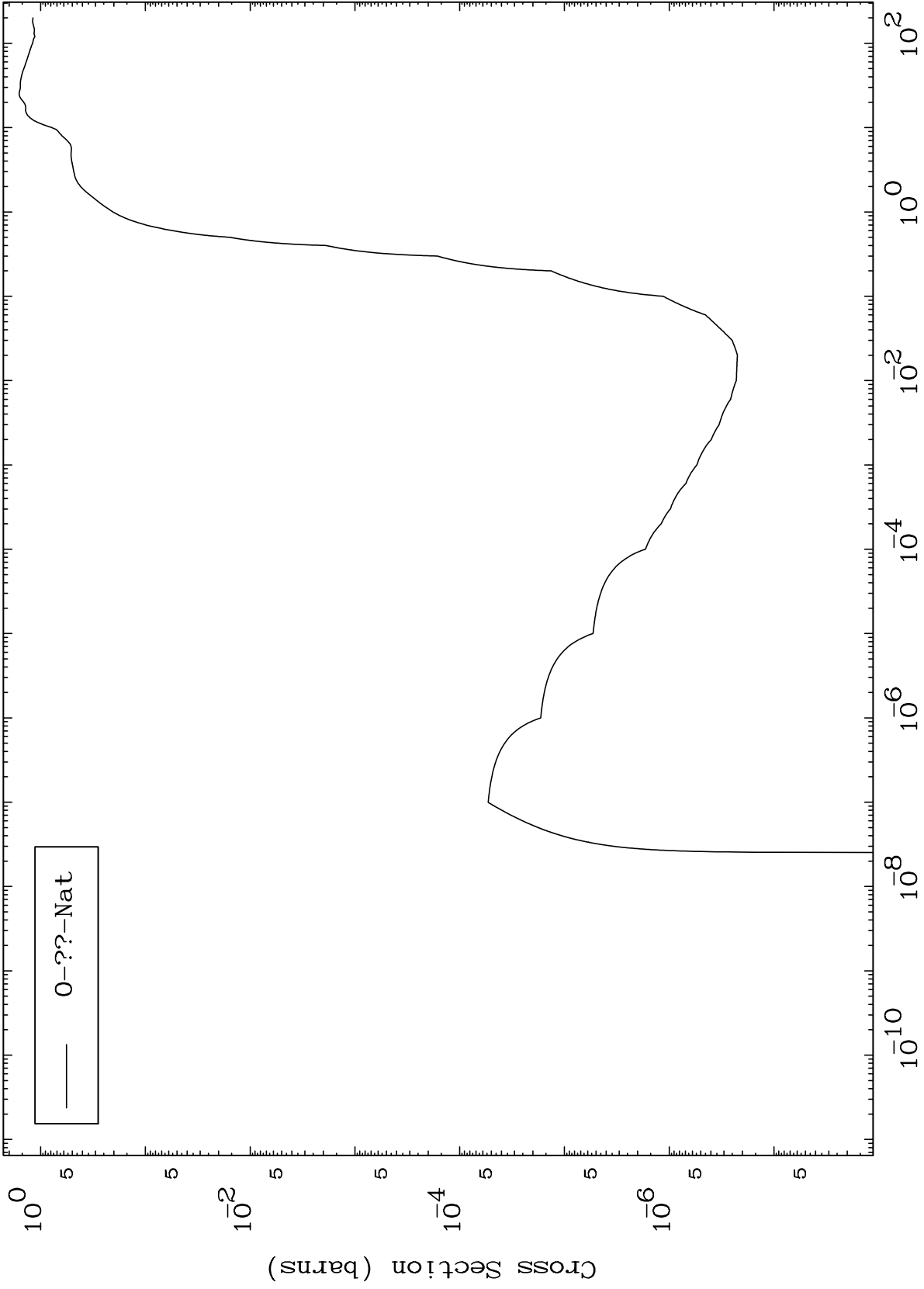
87-Fr-208

MAT 8713

Fission

87-Fr-208

Radionuclide Production Cross Section



97

Incident Energy (MeV)

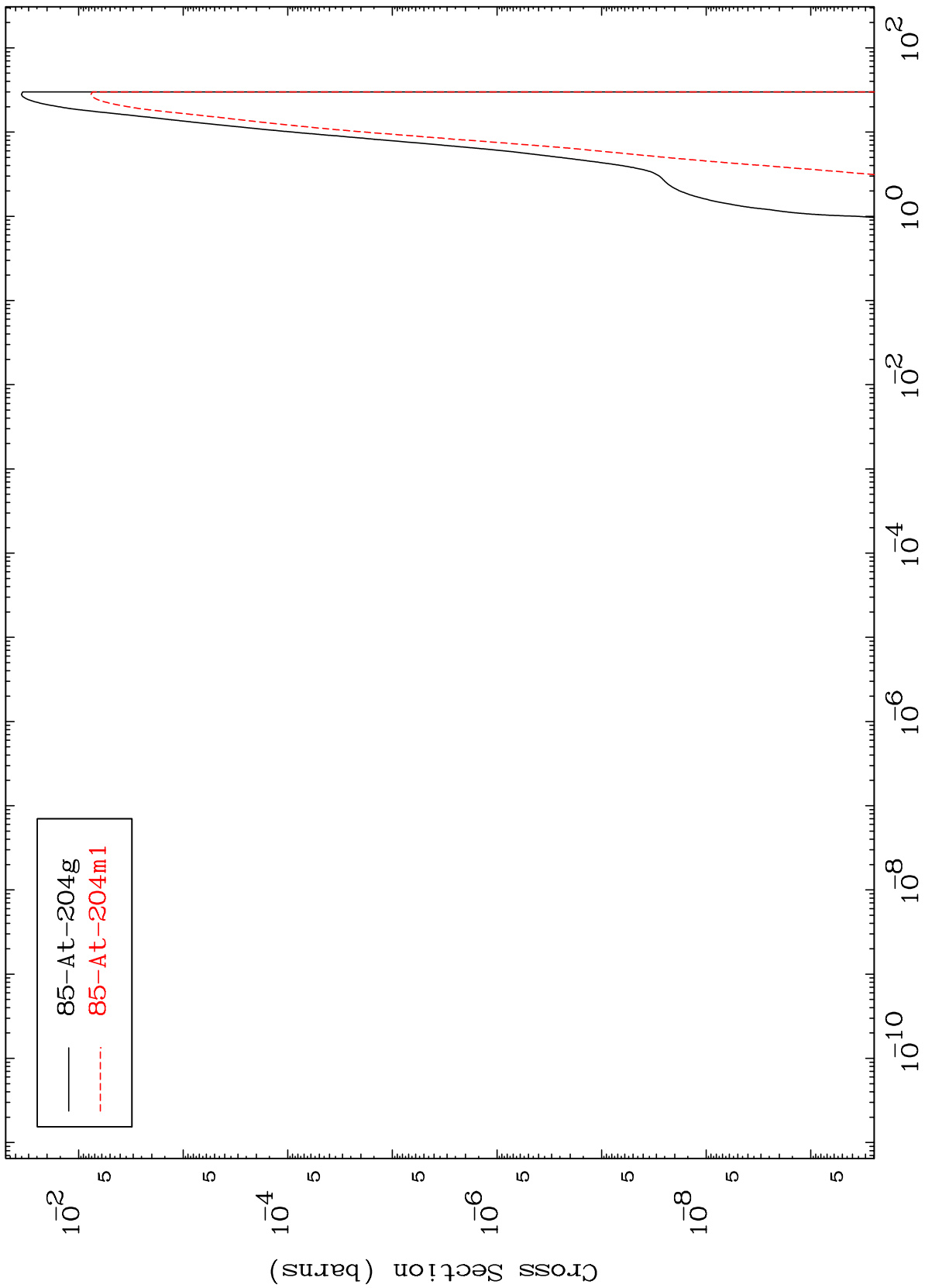
87-Fr-208

MAT 8713

$(n, n') \alpha$

87-Fr-208

Radionuclide Production Cross Section

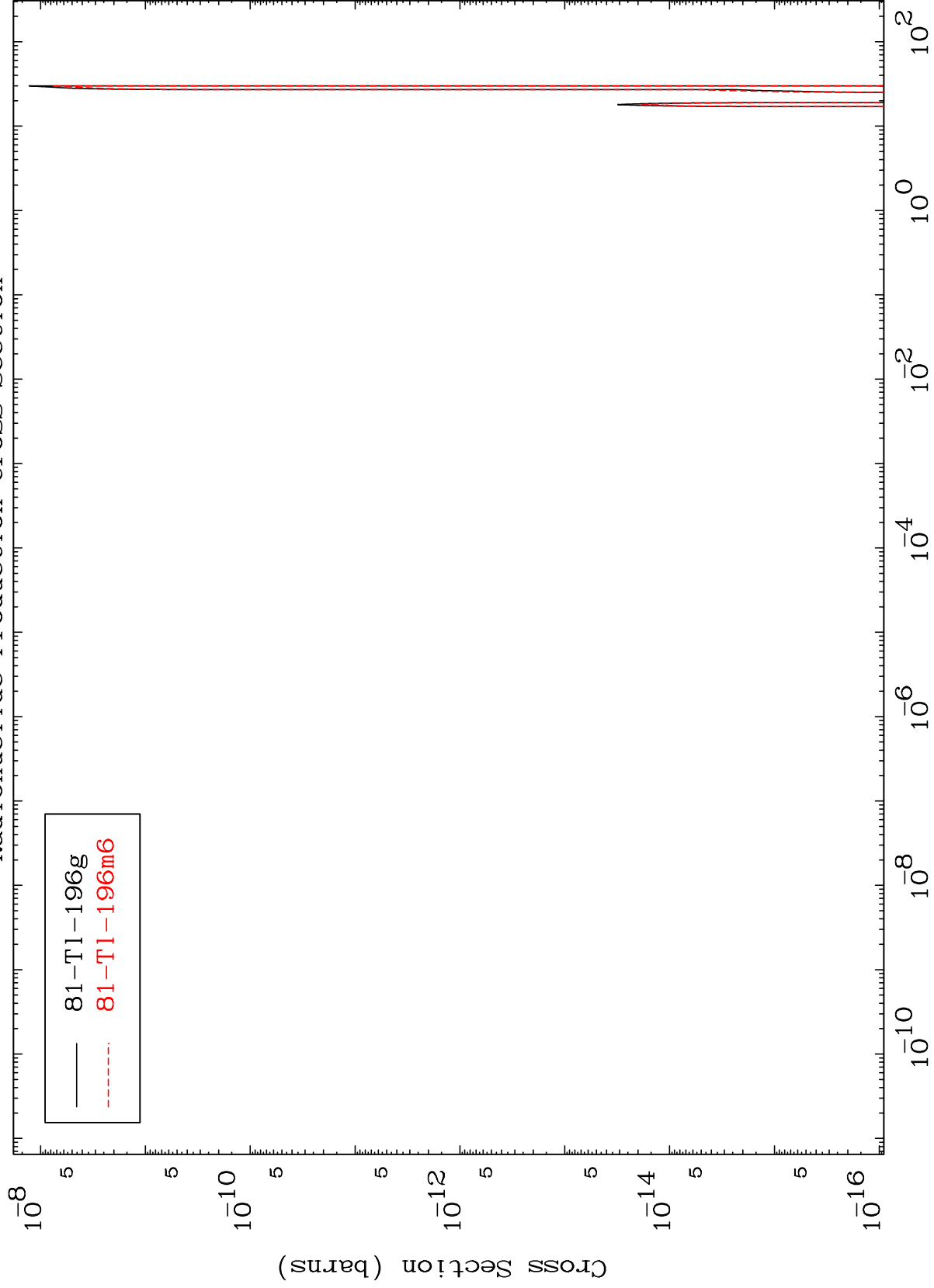


MAT 8713

(n,n') 3 α

87-Fr-208

Radionuclide Production Cross Section



99

Incident Energy (MeV)

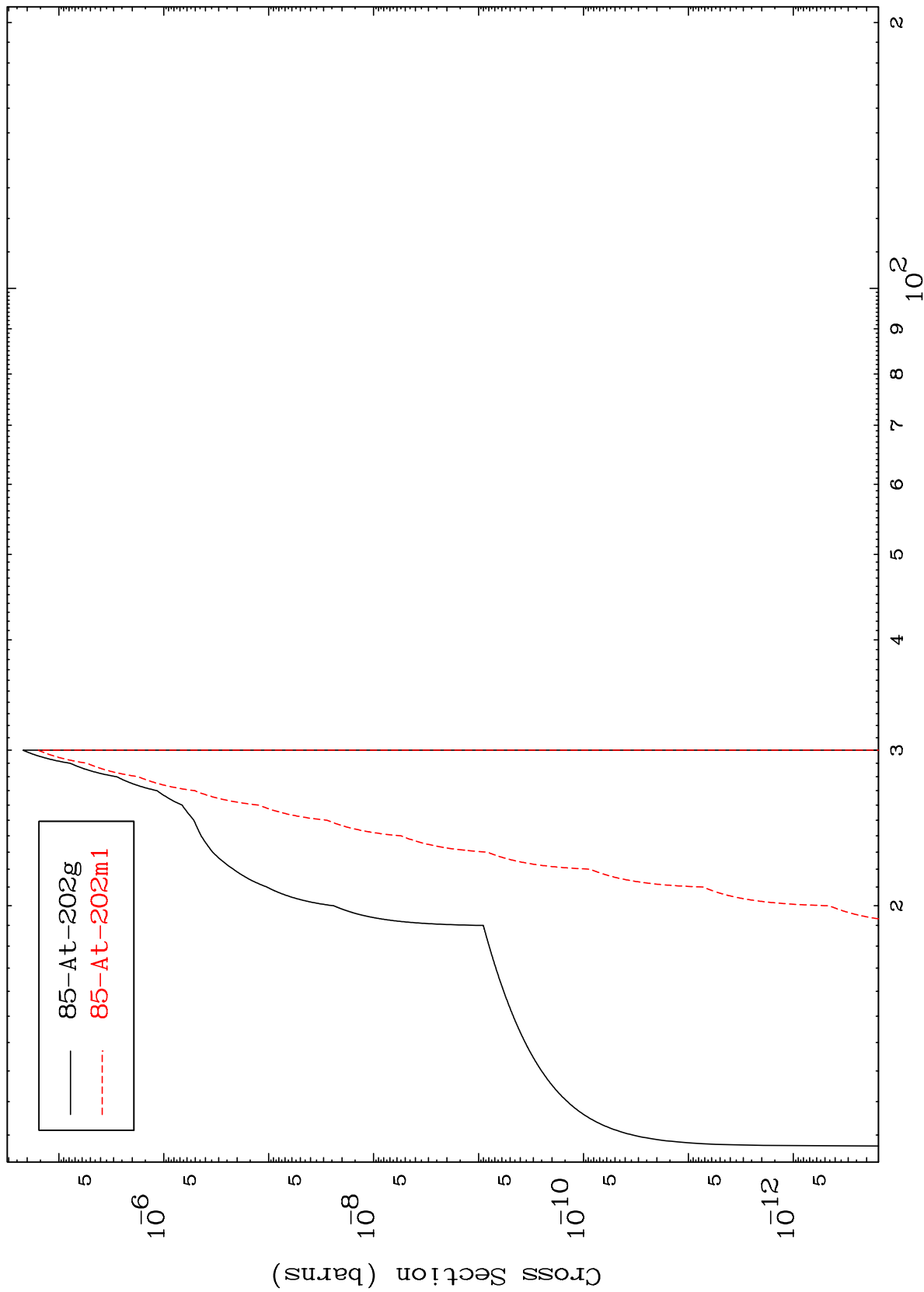
87-Fr-208

MAT 8713

87-Fr-208

(n,3n) α

Radionuclide Production Cross Section



100

Incident Energy (MeV)

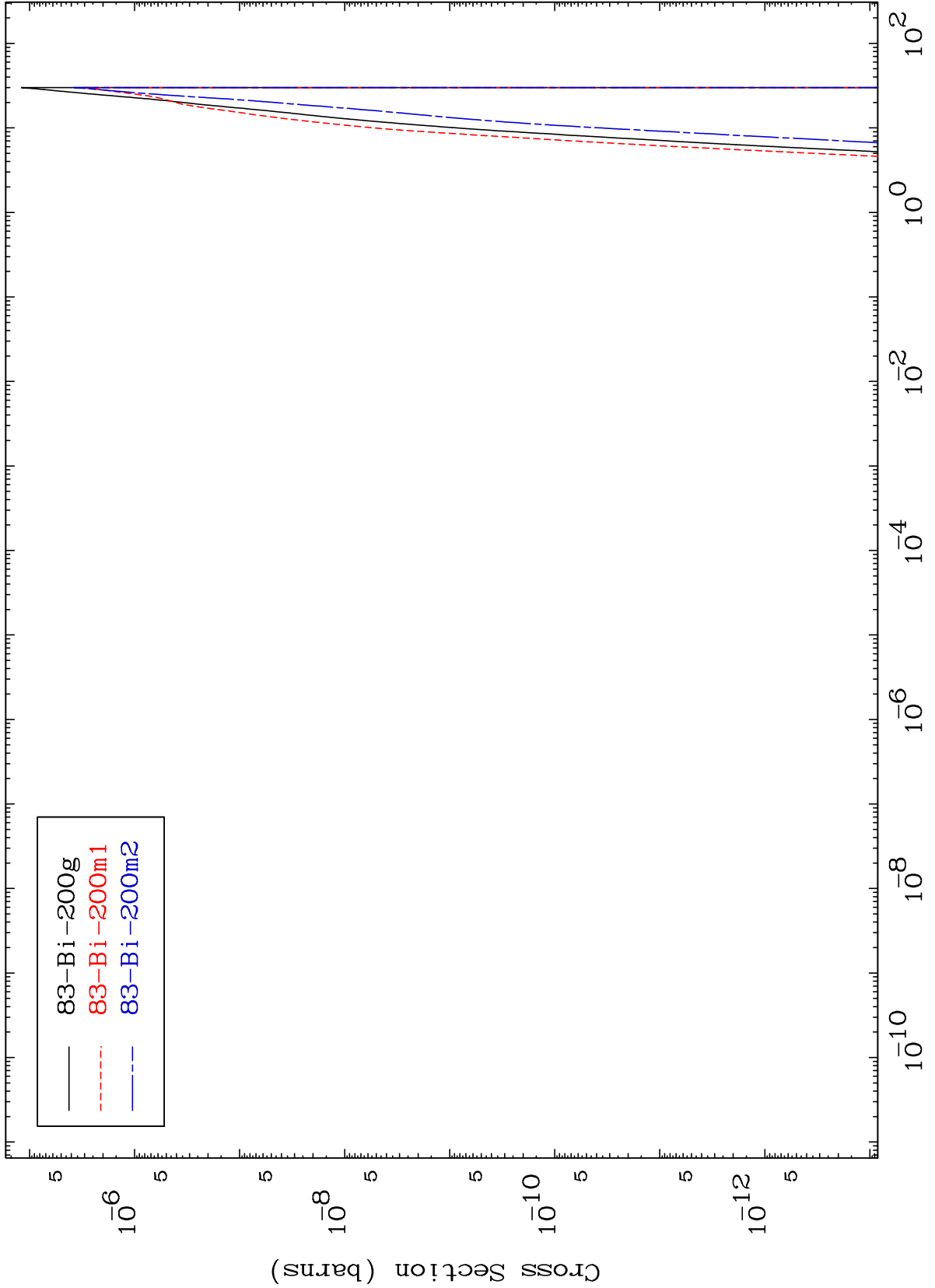
87-Fr-208

MAT 8713

(n,n') 2 α

87-Fr-208

Radionuclide Production Cross Section



101

Incident Energy (MeV)

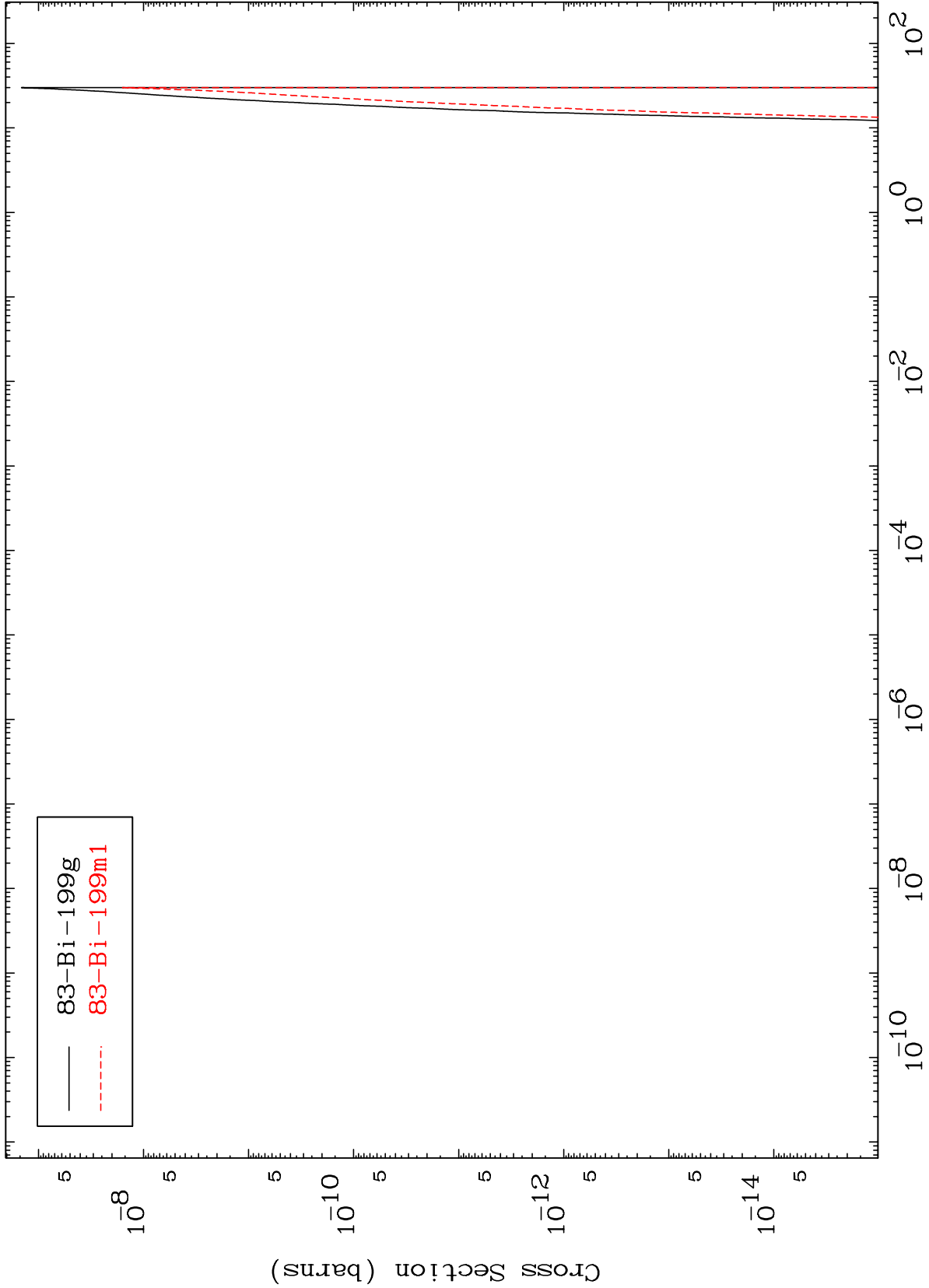
87-Fr-208

MAT 8713

(n,2n) 2 α

87-Fr-208

Radionuclide Production Cross Section

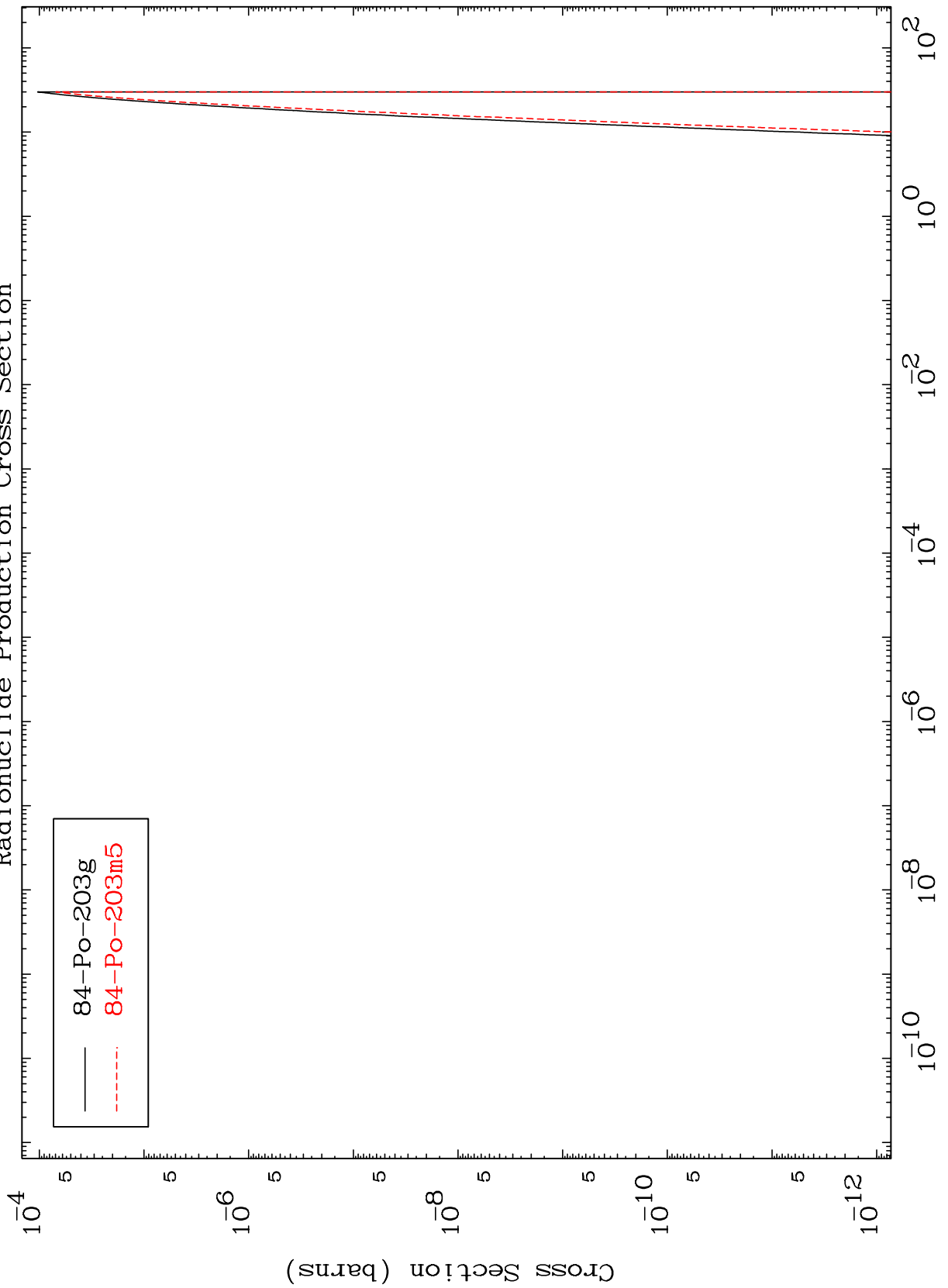


MAT 8713

(n,n') p α

87-Fr-208

Radionuclide Production Cross Section



84-Po-203g
84-Po-203m5

103

Incident Energy (MeV)

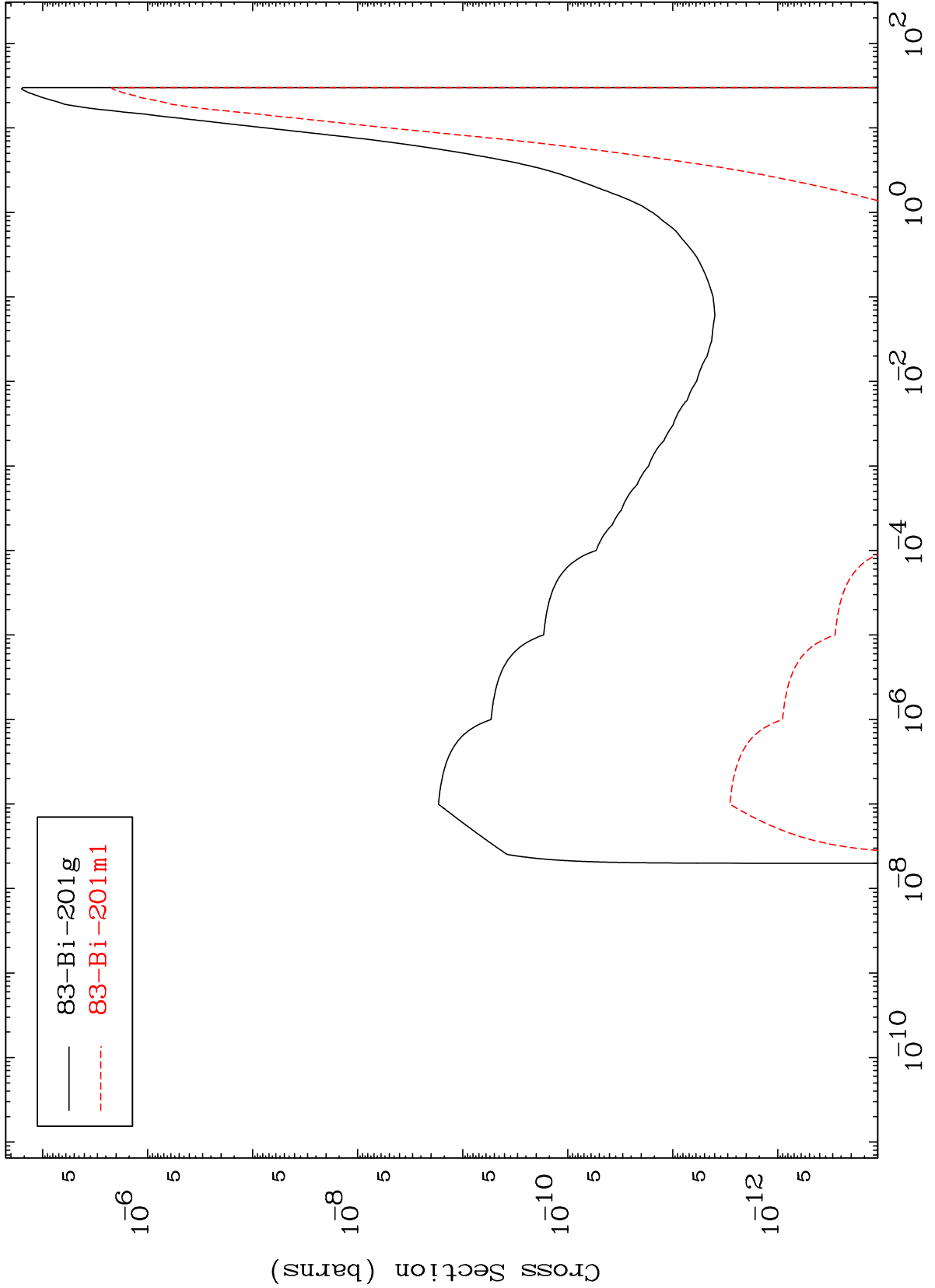
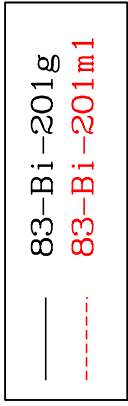
87-Fr-208

MAT 8713

(n,2α)

87-Fr-208

Radionuclide Production Cross Section



104

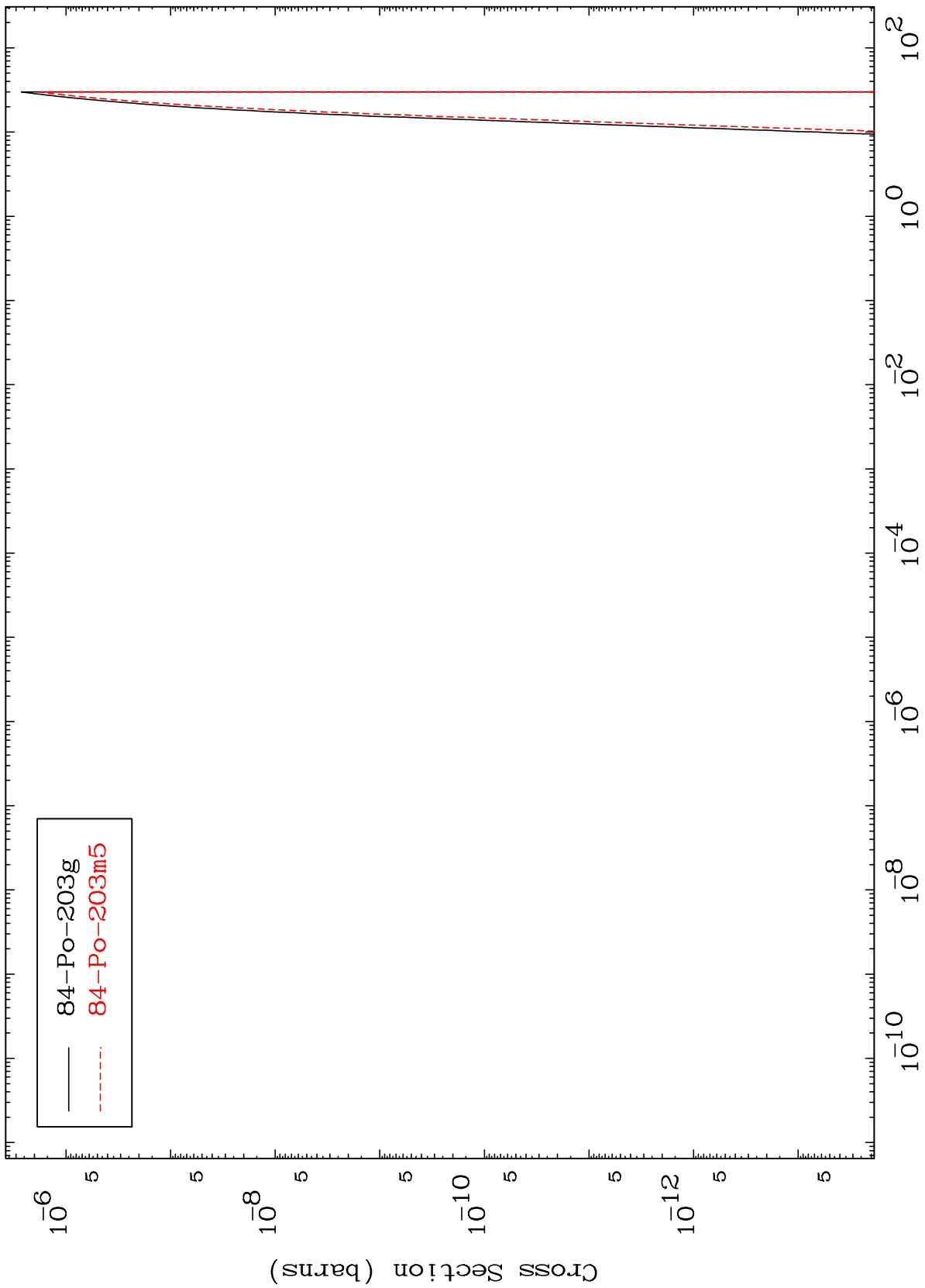
87-Fr-208

MAT 8713

(n,d) α

87-Fr-208

Radionuclide Production Cross Section



84-Po-203g
84-Po-203m5

105

Incident Energy (MeV)

87-Fr-208