

Program EVALPLOT
(Version 2017-1)

by

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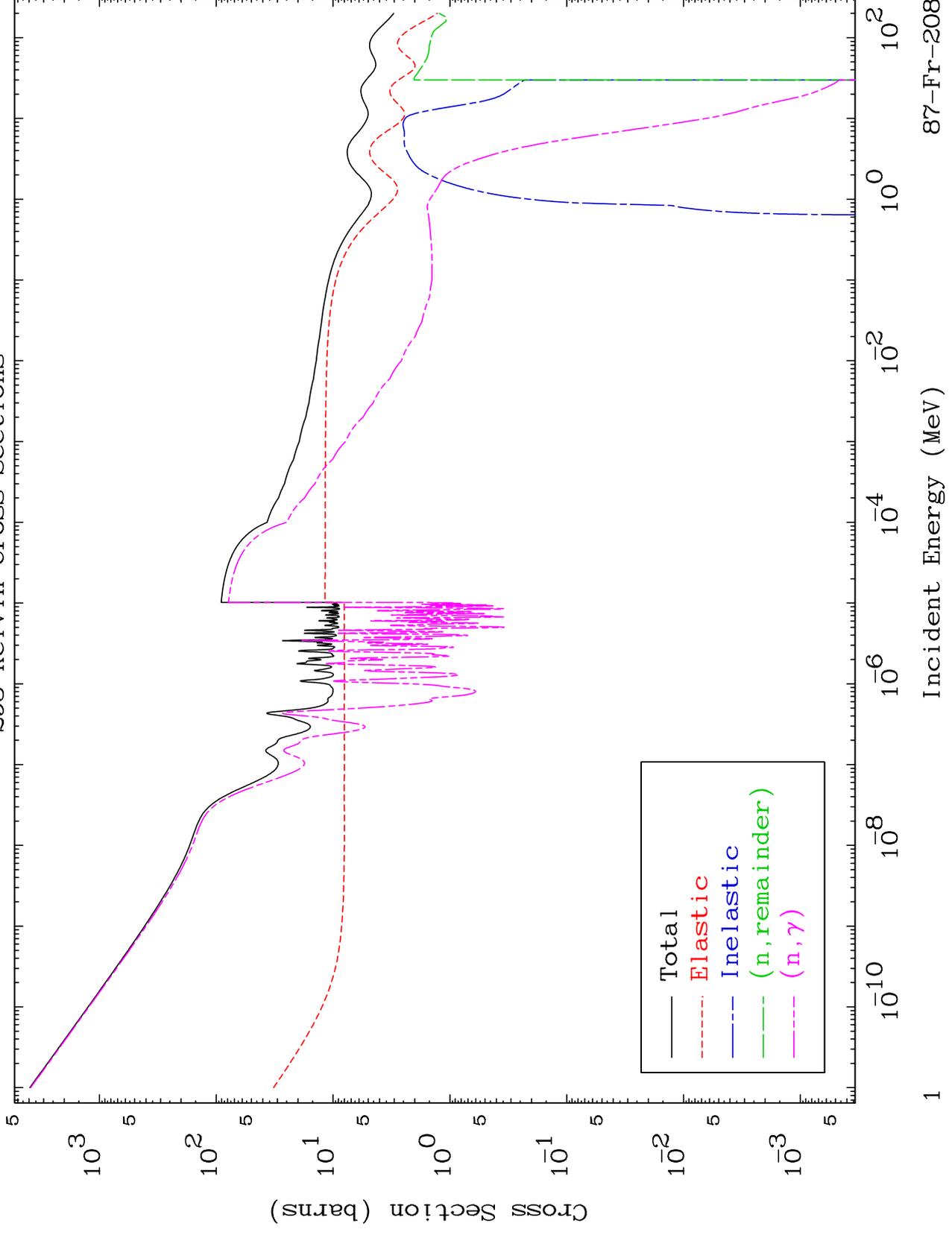
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MAT 8713

Major

293 Kelvin Cross Sections

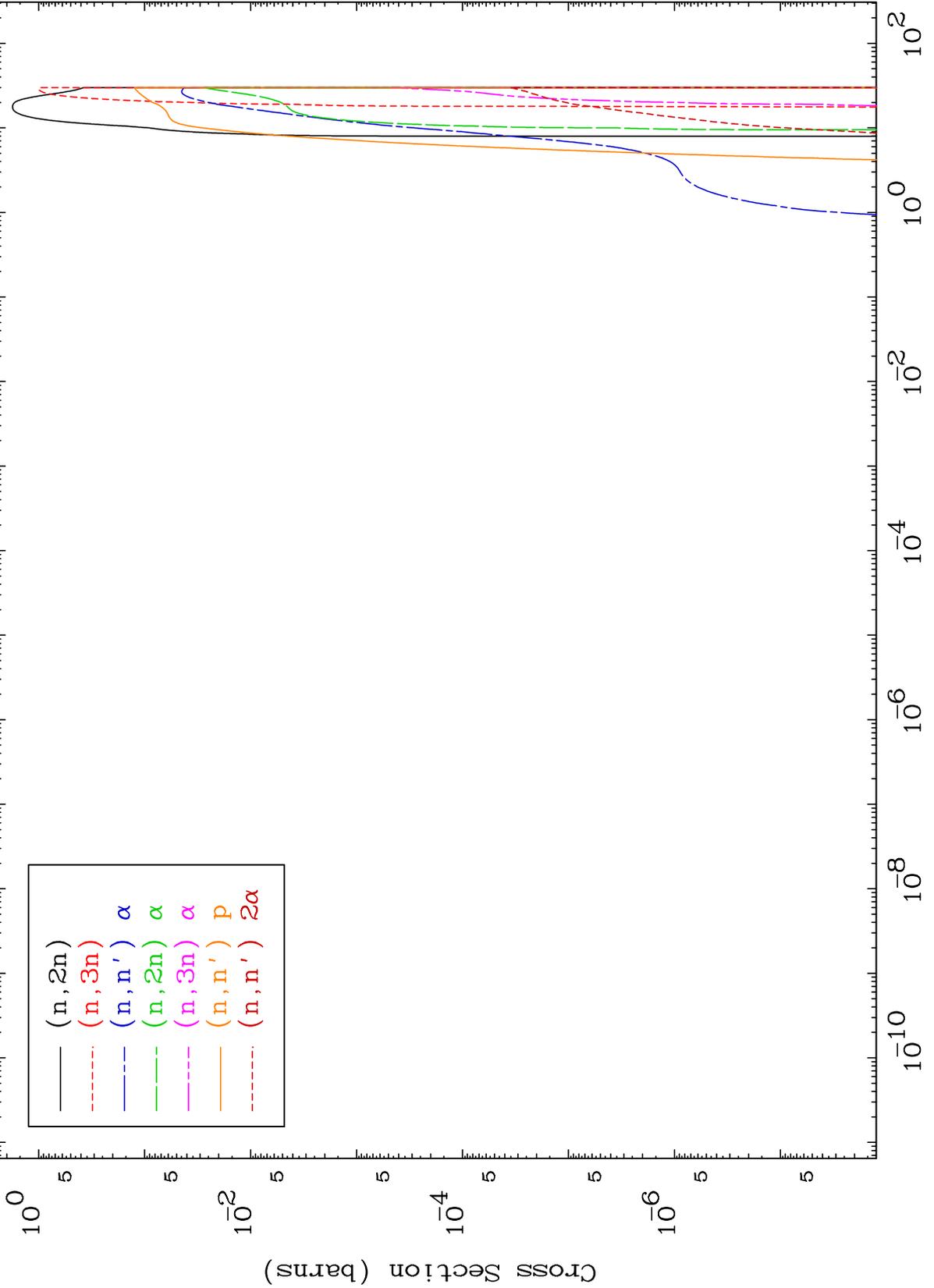
87-Fr-208



MAT 8713

Neutron Production
293 Kelvin Cross Sections

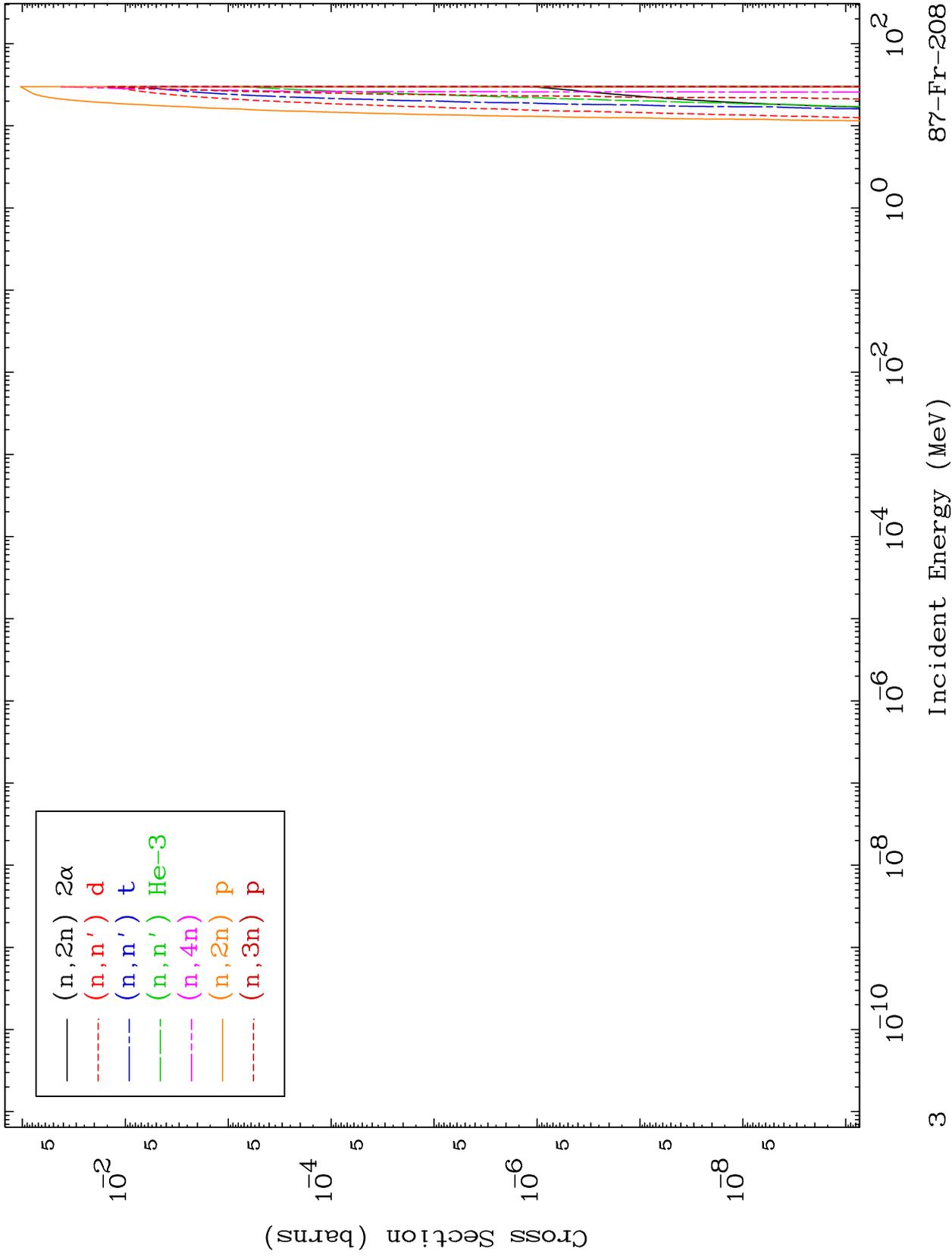
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MAT 8713

Neutron Production
293 Kelvin Cross Sections

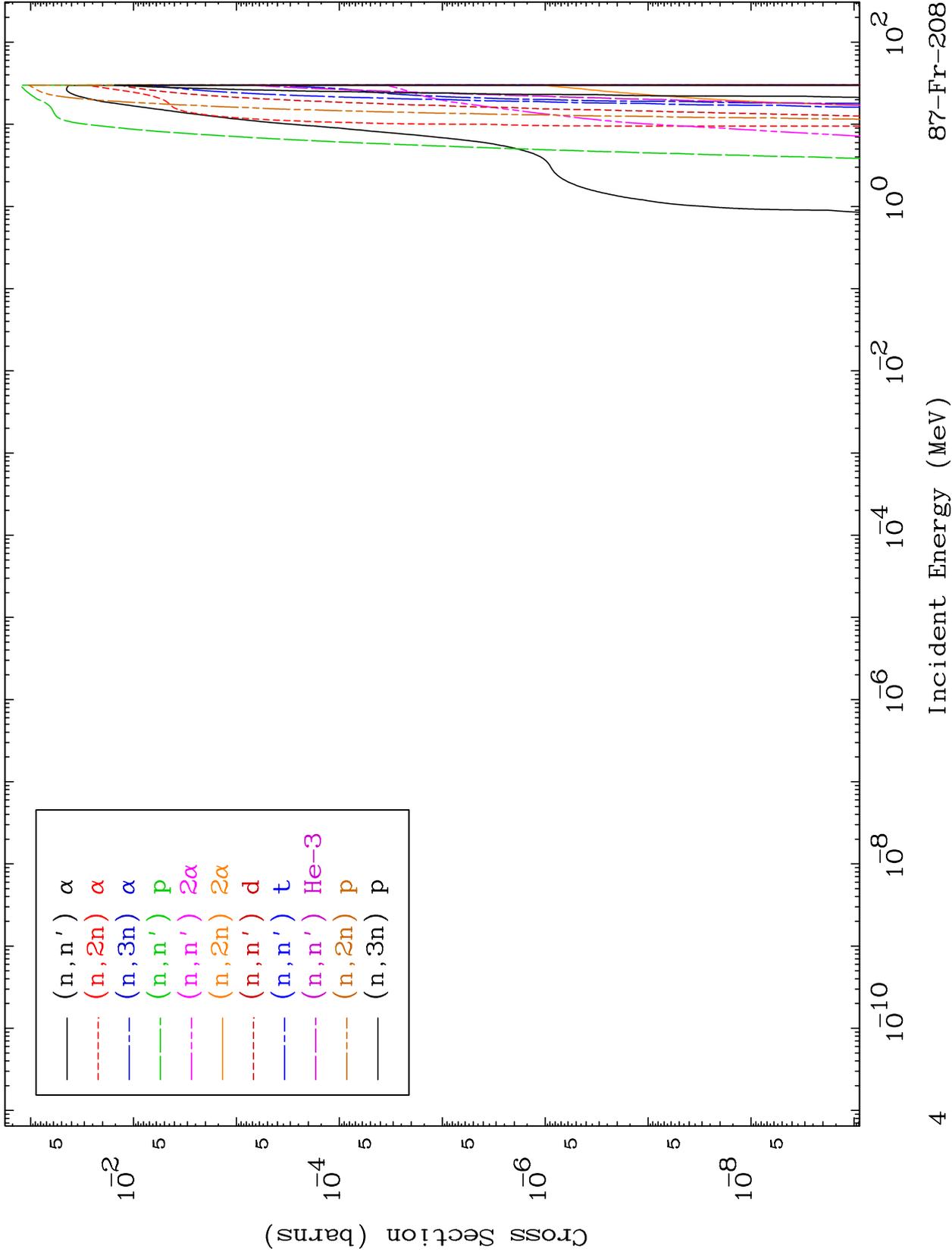
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MAT 8713

Charged Particle
293 Kelvin Cross Sections

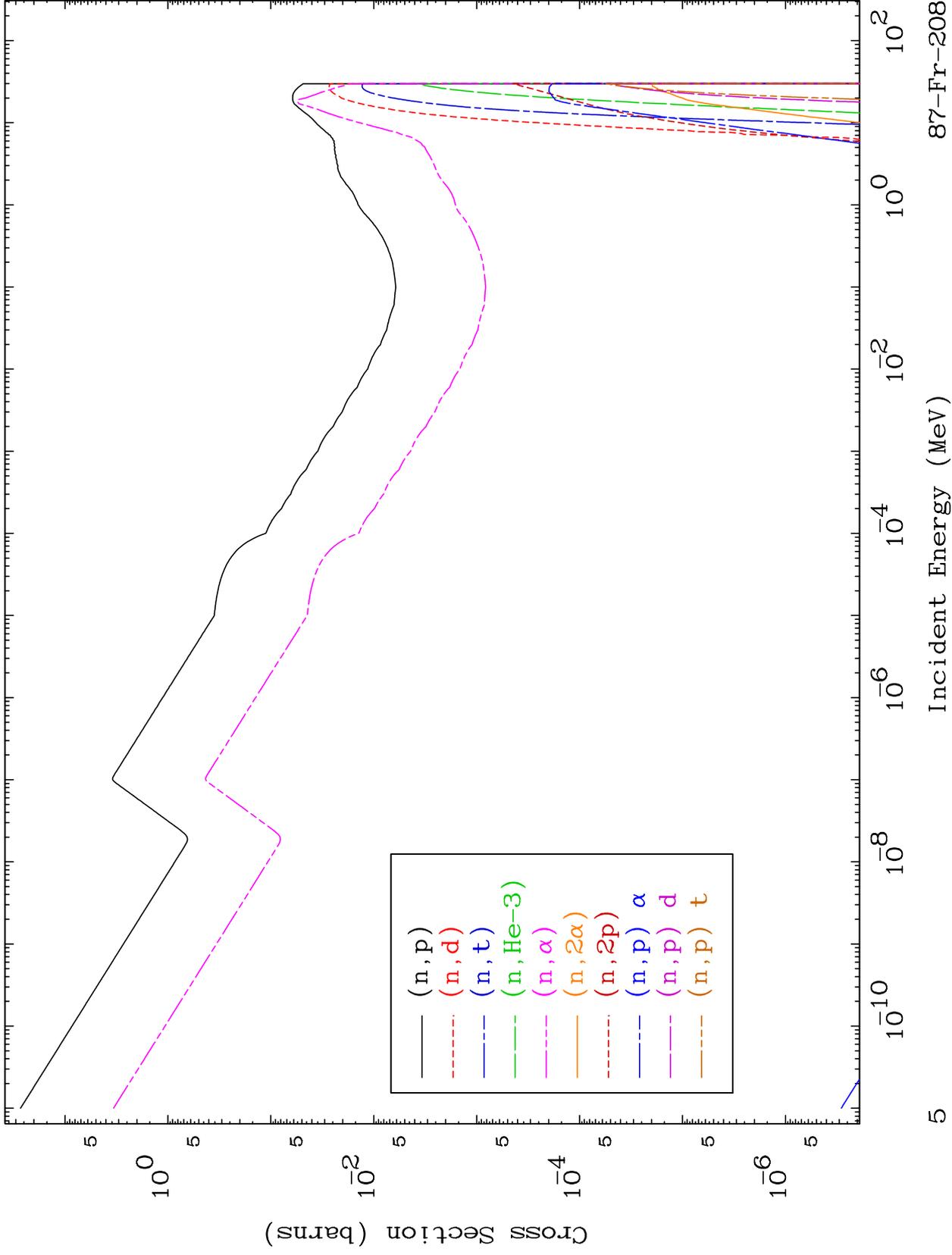
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MAT 8713

Charged Particle
293 Kelvin Cross Sections

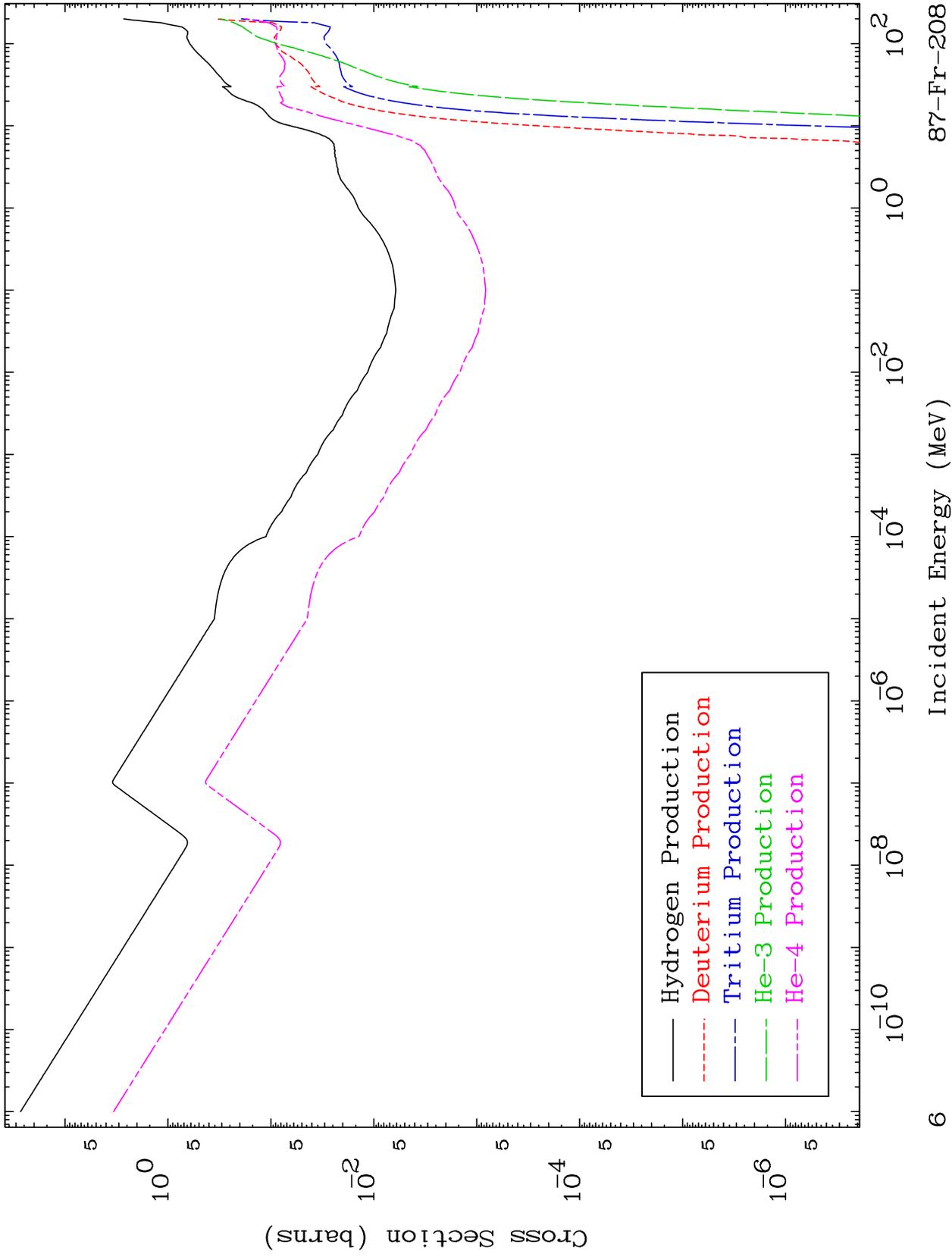
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MAT 8713

Particle Production
293 Kelvin Cross Sections

87-Fr-208

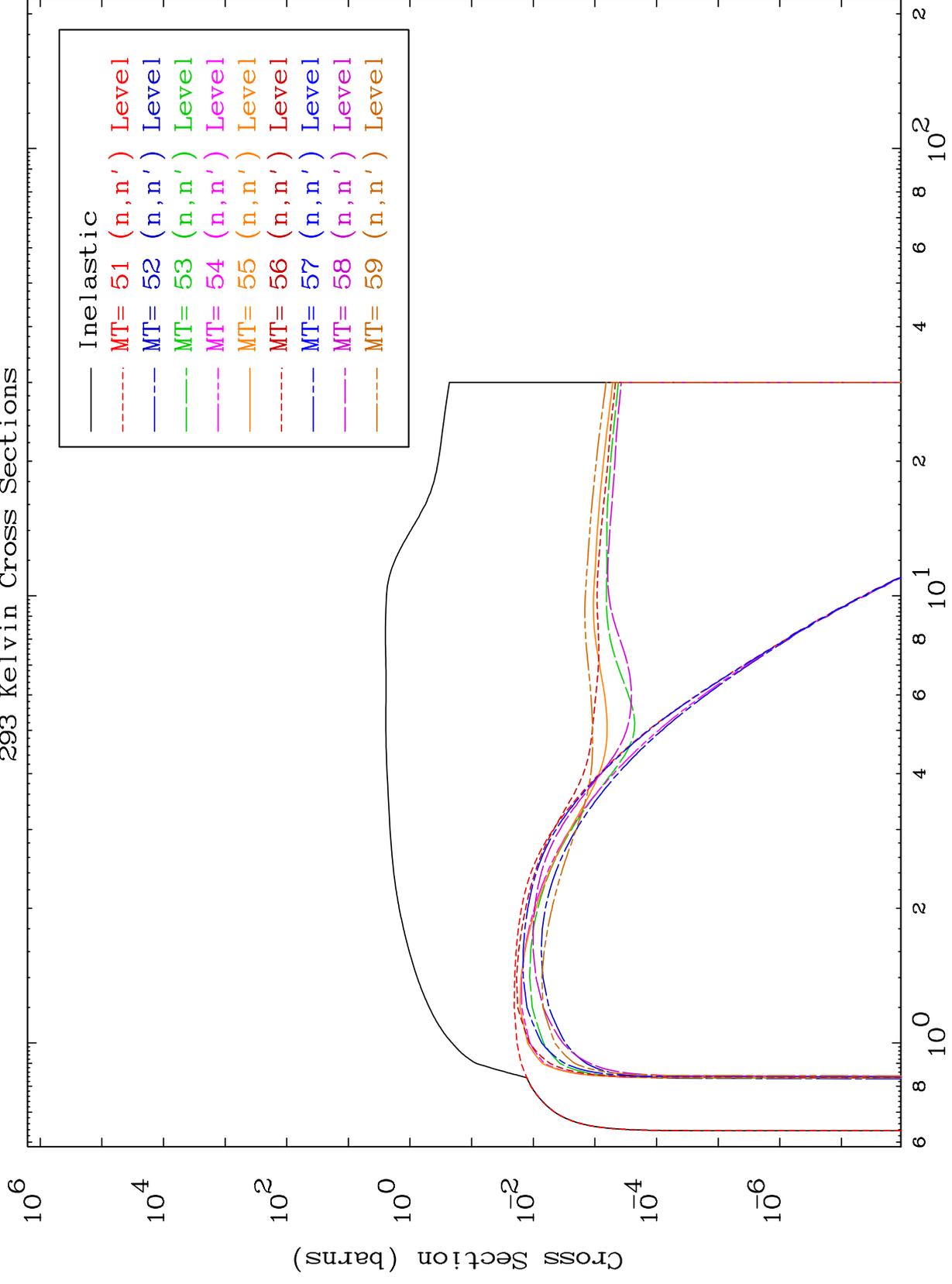


MAT 8713

(n,n') Level

87-Fr-208

293 Kelvin Cross Sections



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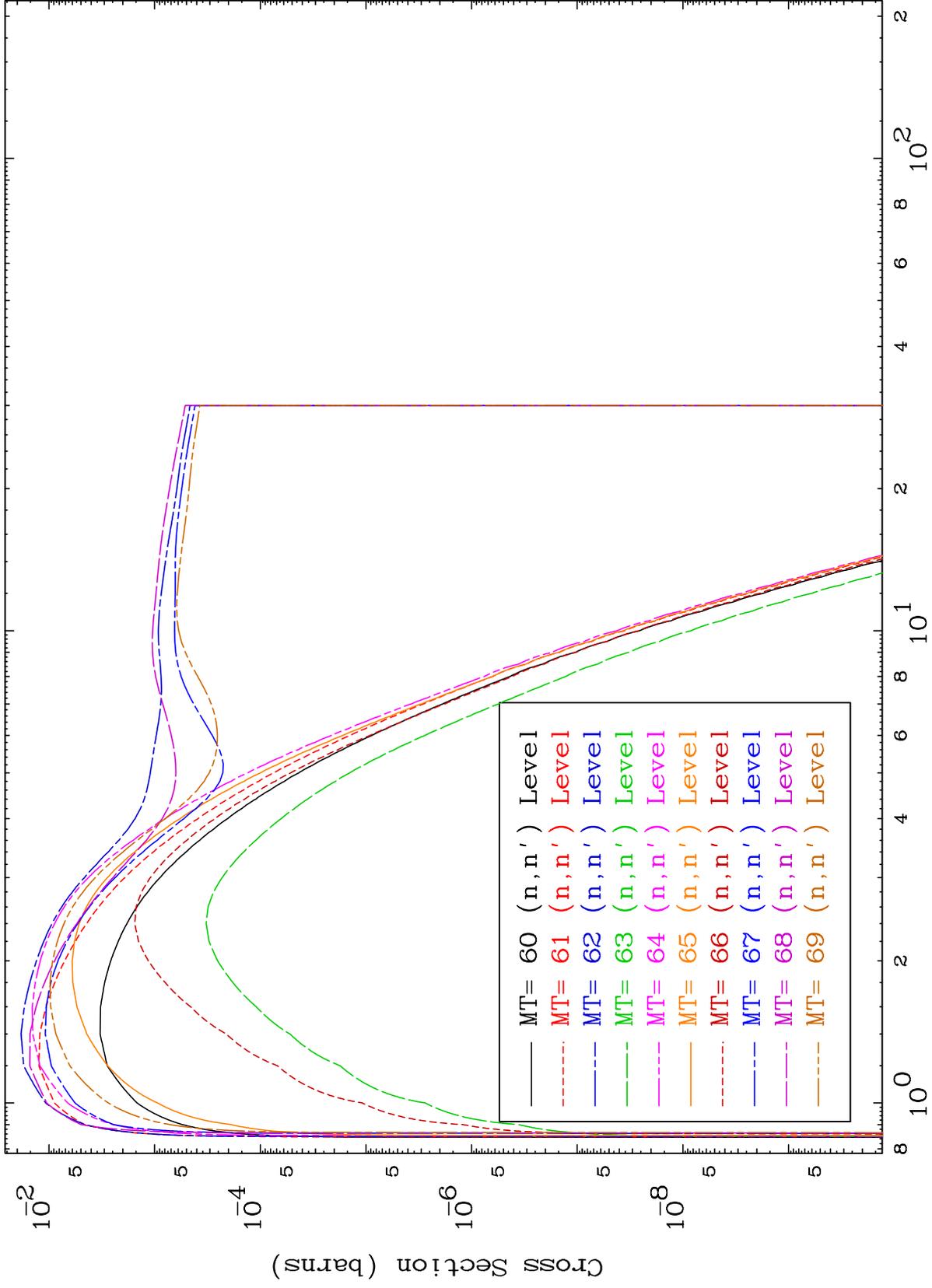
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MAT 8713

(n,n') Level
293 Kelvin Cross Sections

87-Fr-208



87-Fr-208

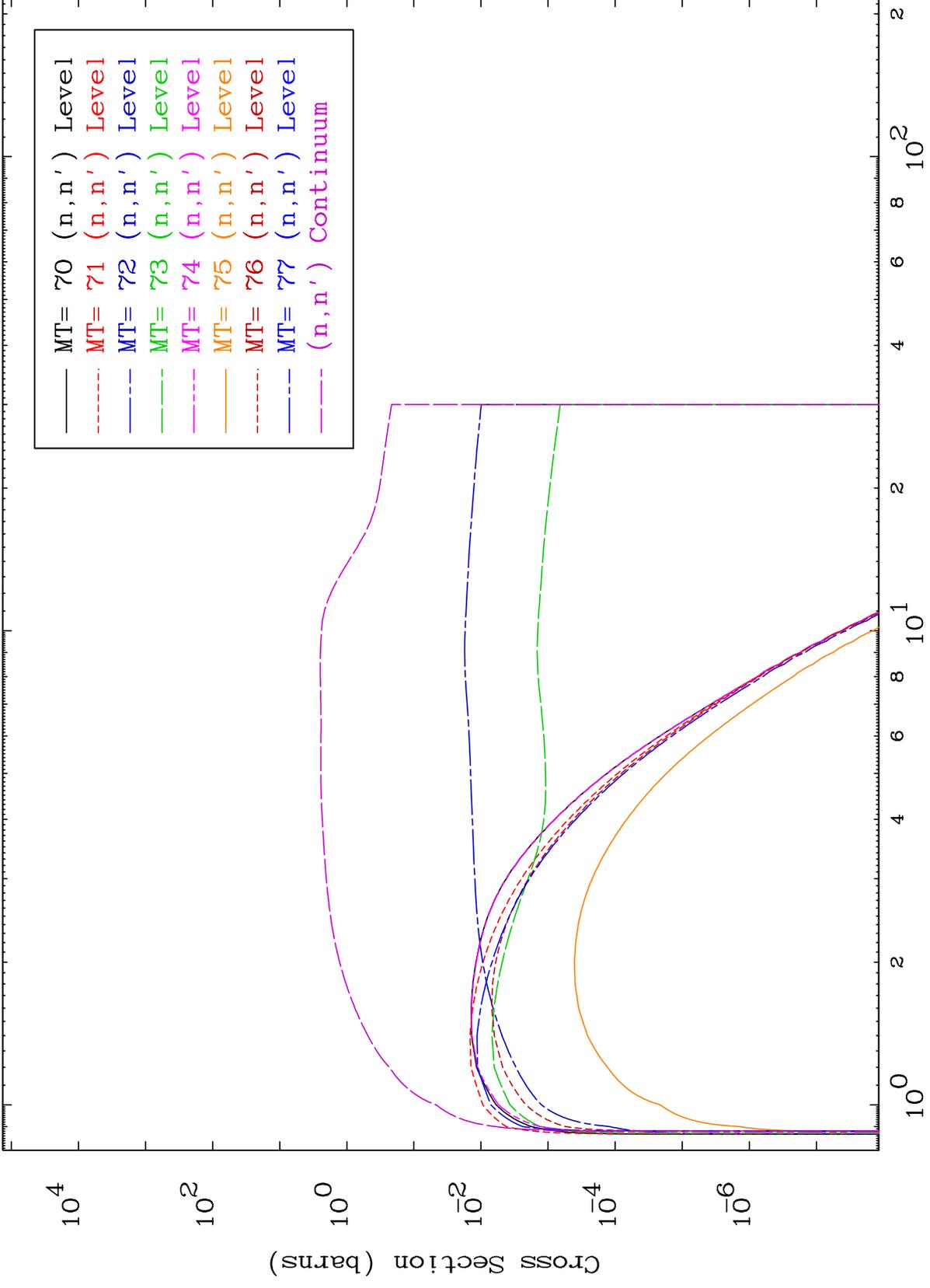
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(n,n') Level

87-Fr-208

293 Kelvin Cross Sections



9

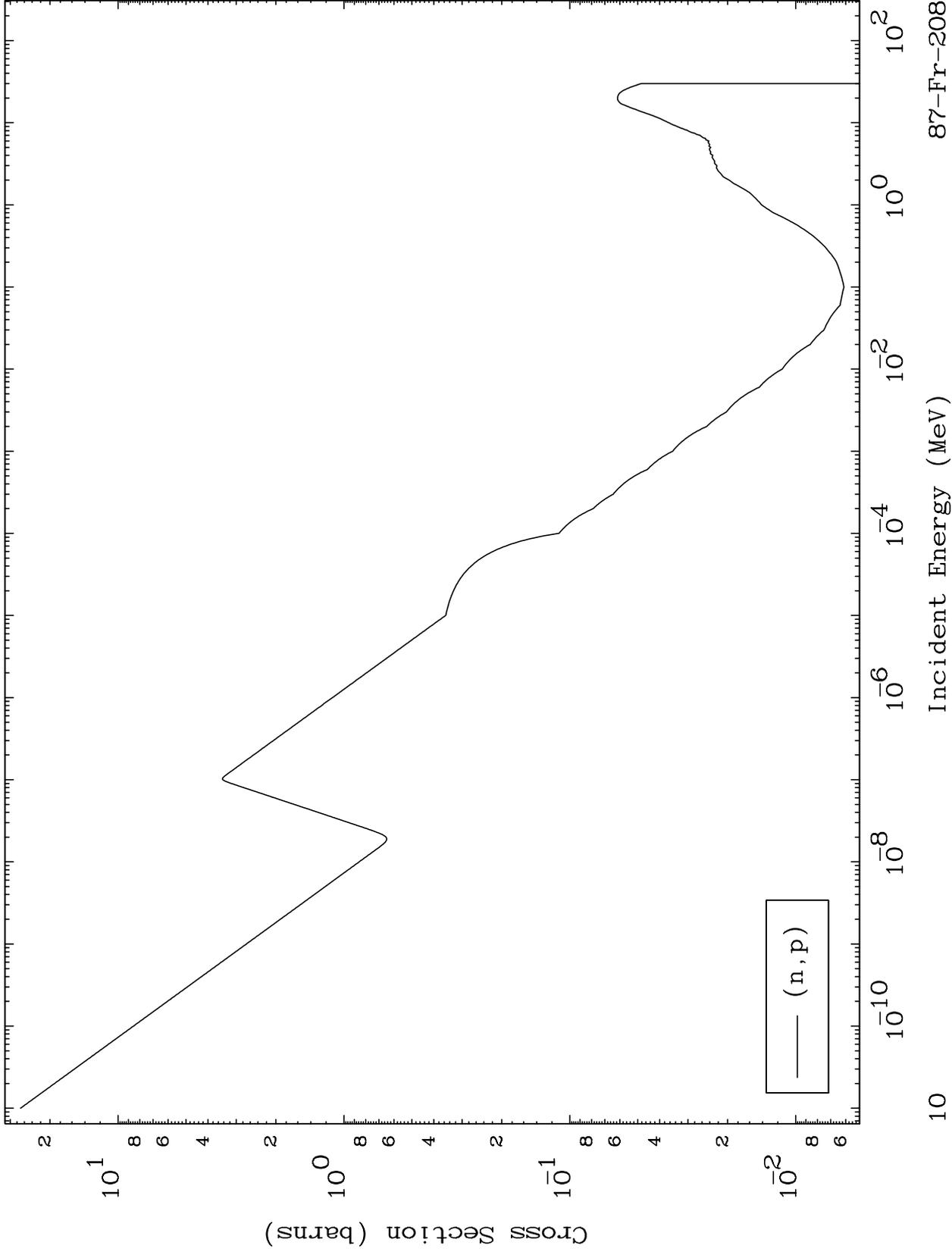
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MAT 8713

(n,p) Levels
293 Kelvin Cross Sections

87-Fr-208



10

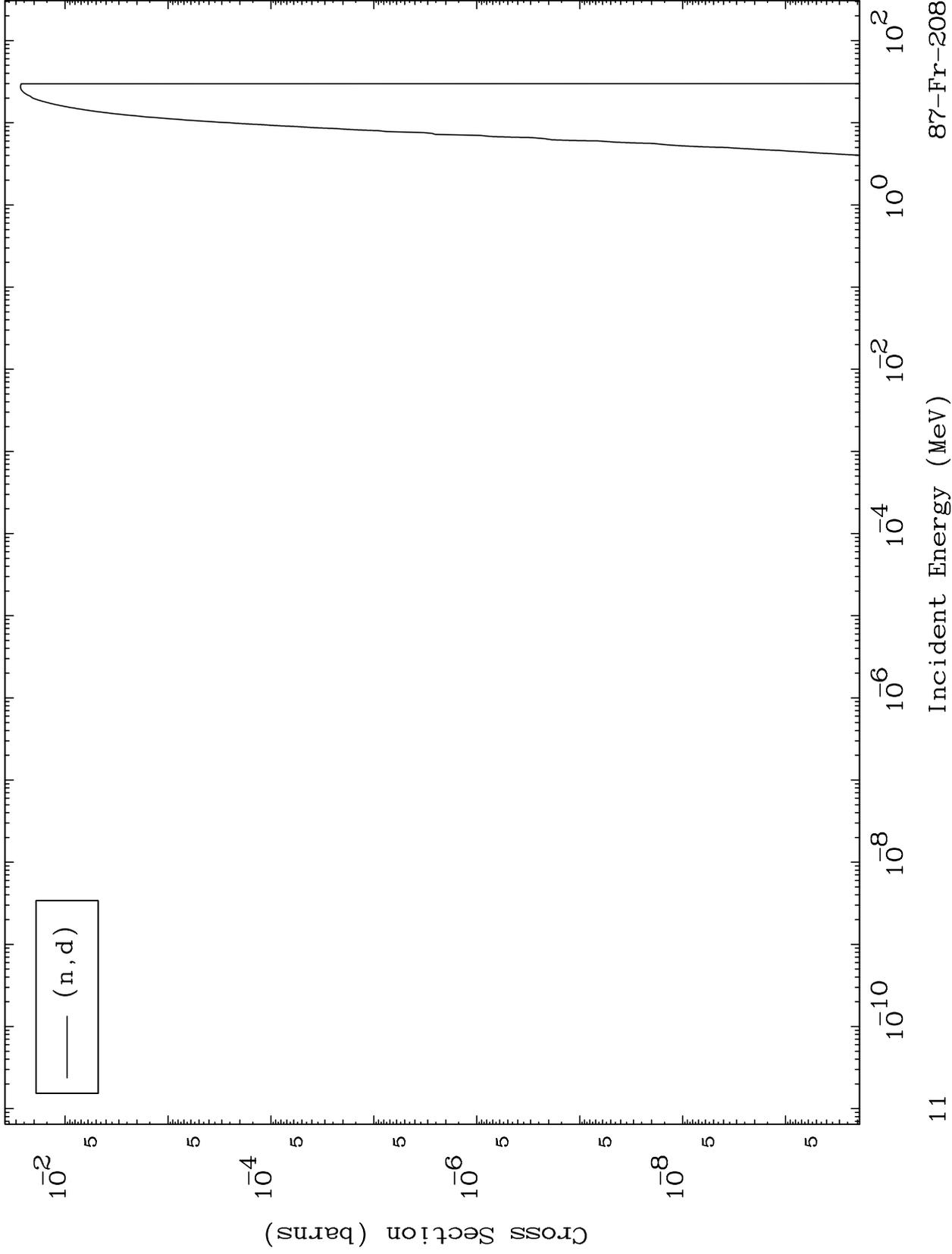
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MAT 8713

(n,d) Levels
293 Kelvin Cross Sections

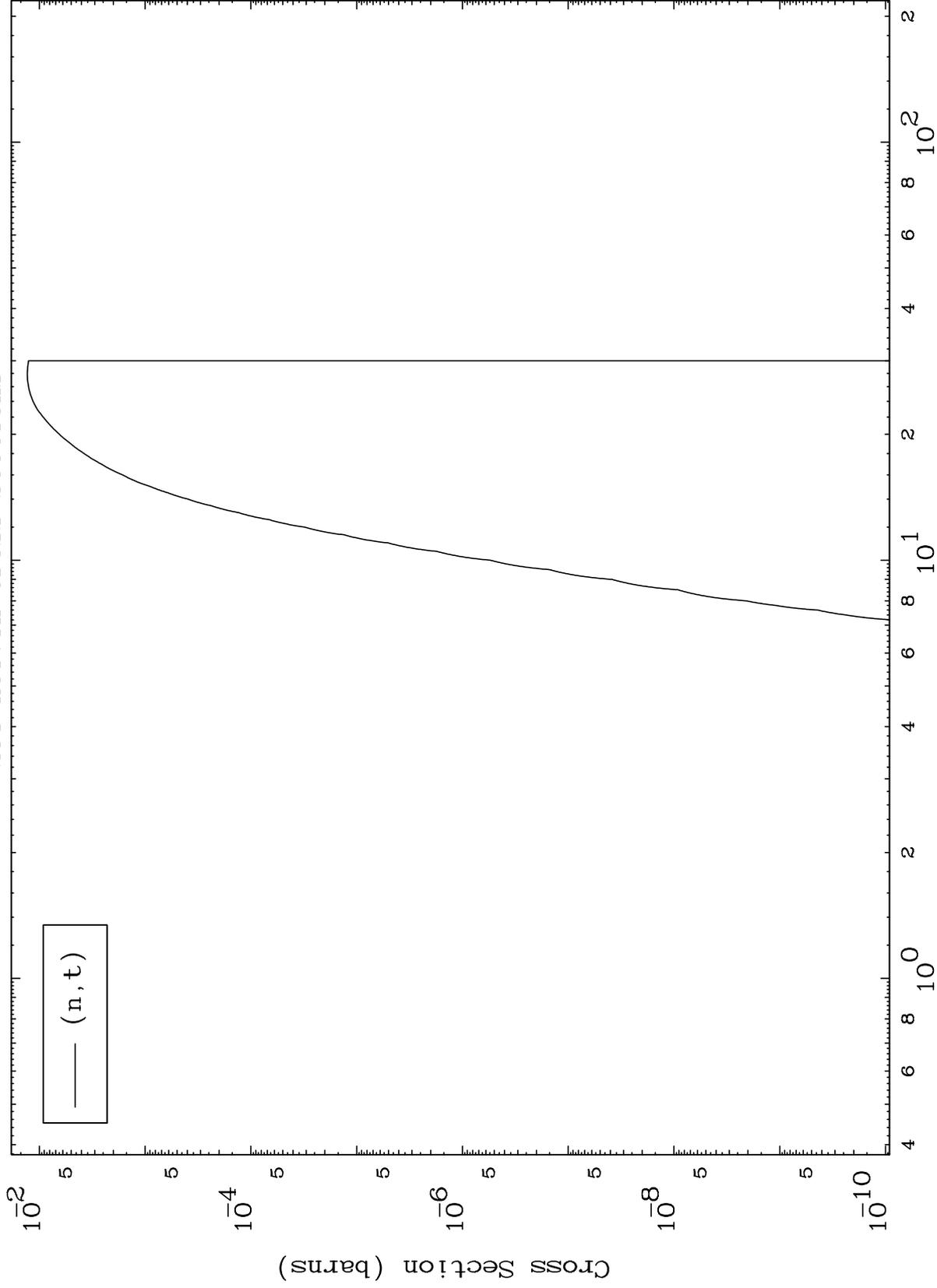
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MAT 8713

(n,t) Levels
293 Kelvin Cross Sections

87-Fr-208



12

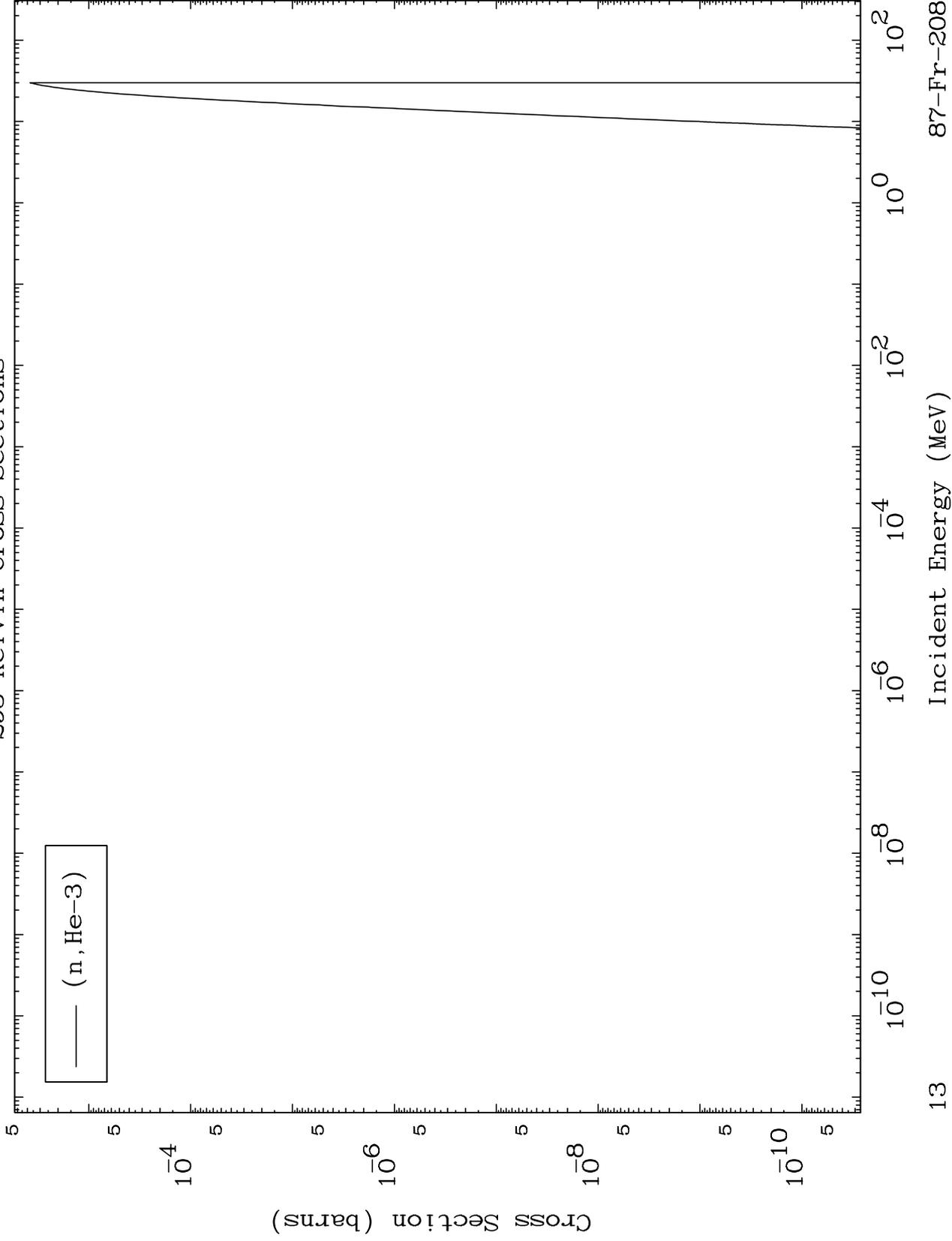
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MAT 8713

(n,He3) Levels
293 Kelvin Cross Sections

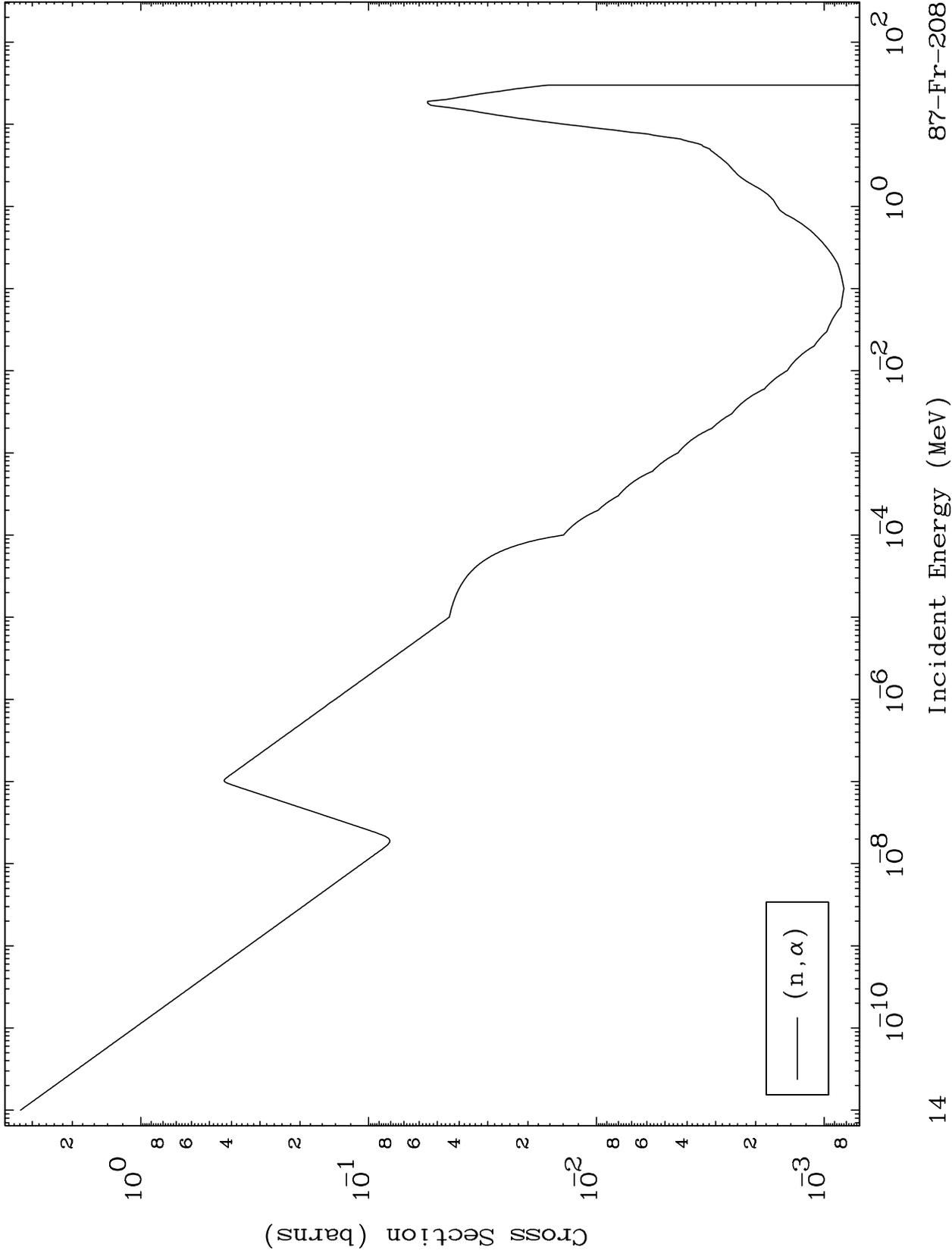
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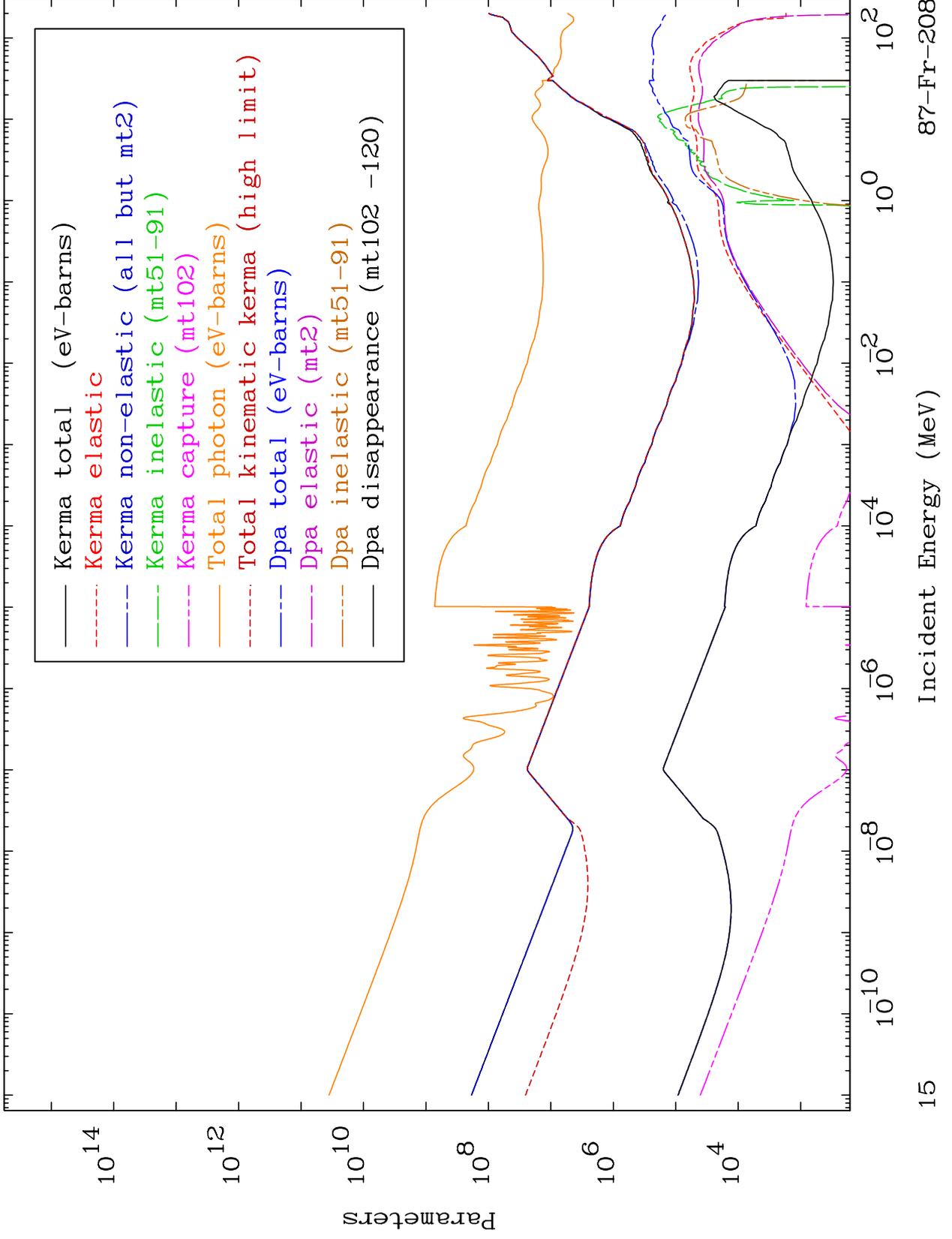
(n,α) Levels
293 Kelvin Cross Sections

87-Fr-208



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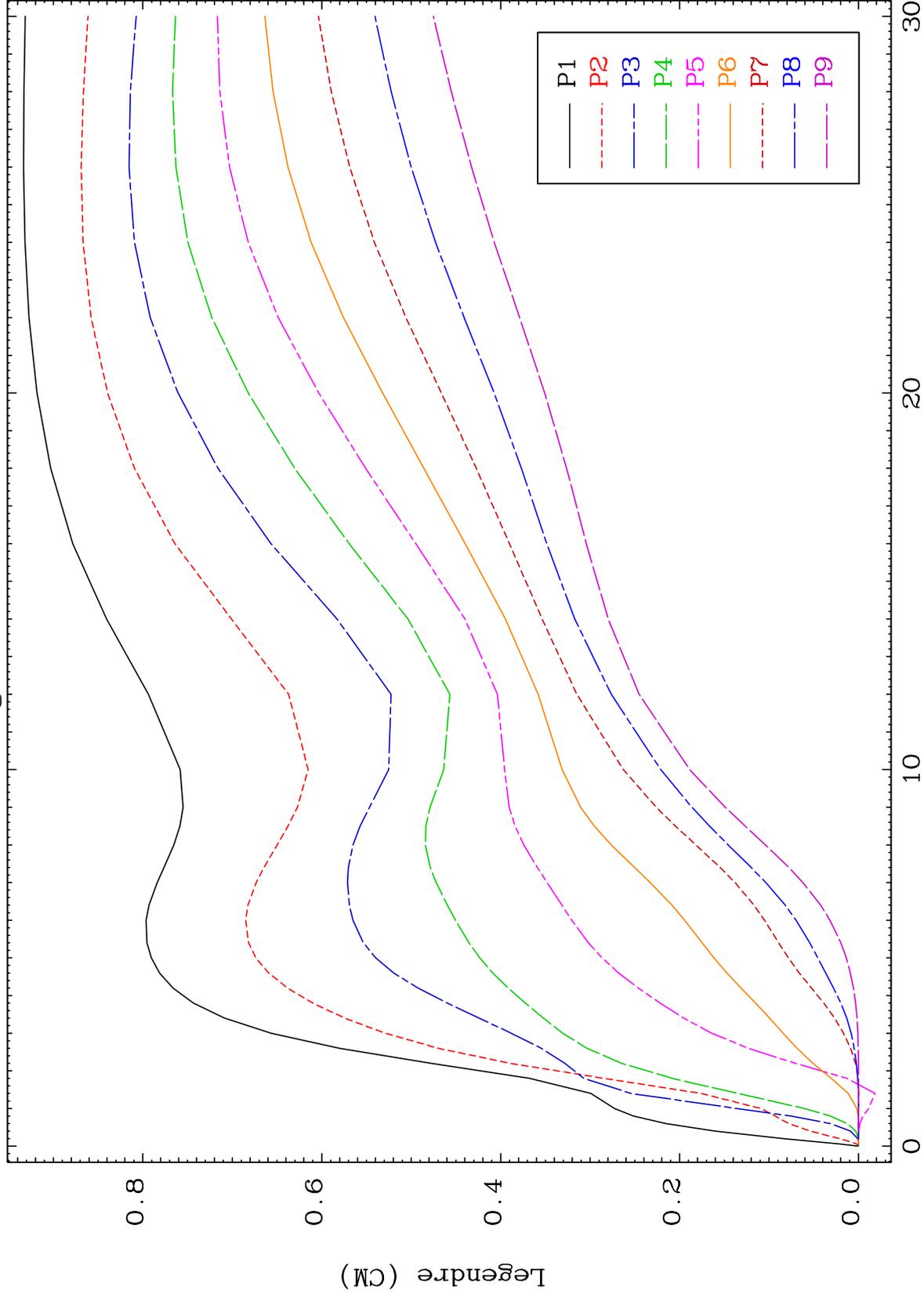
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MAT 8713

Elastic Legendre Coefficients

87-Fr-208



16

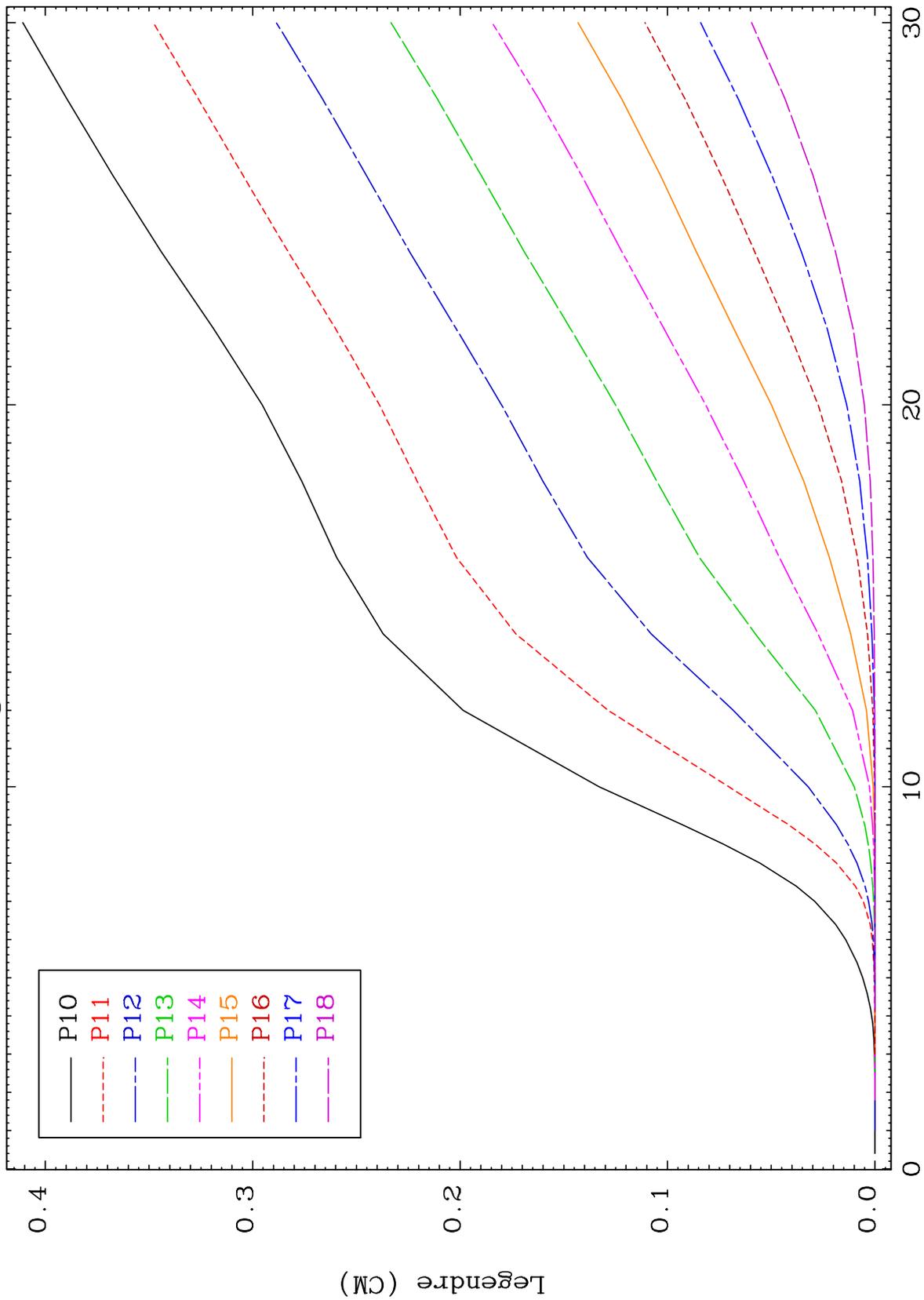
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MAT 8713

Elastic Legendre Coefficients

87-Fr-208



17

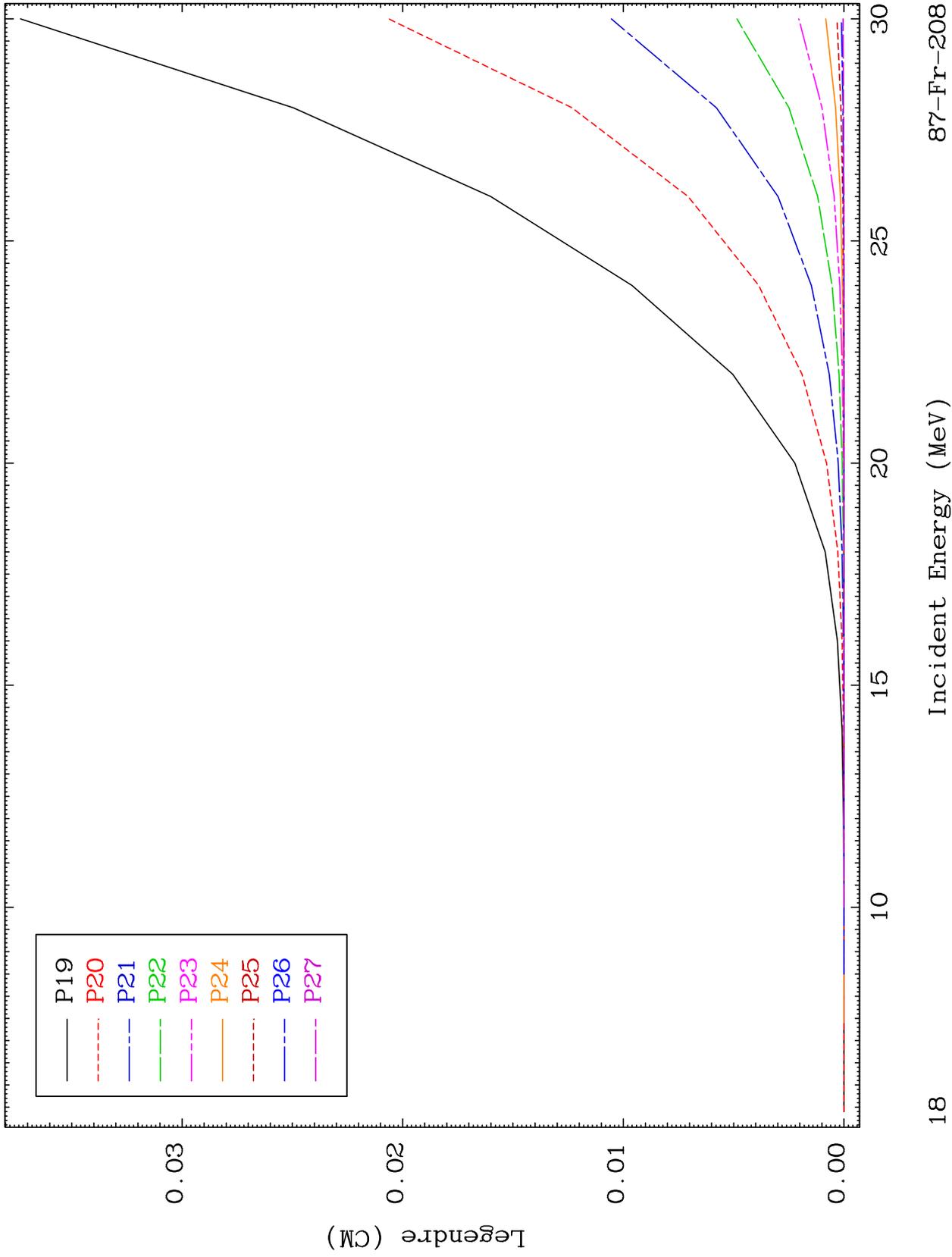
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MAT 8713

Elastic Legendre Coefficients

87-Fr-208



18

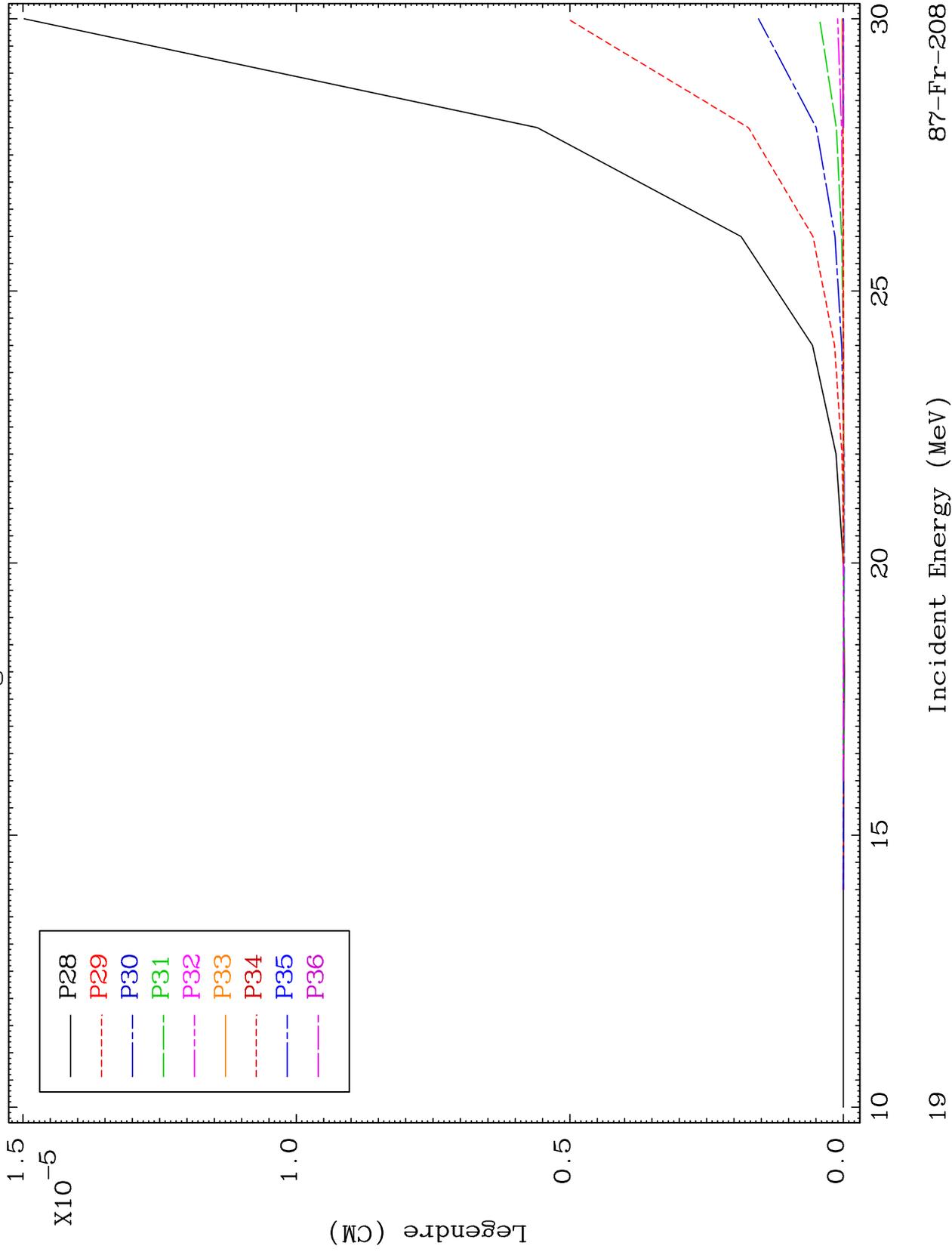
Incident Energy (MeV)

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MAT 8713

Elastic
Legendre Coefficients

87-Fr-208



19

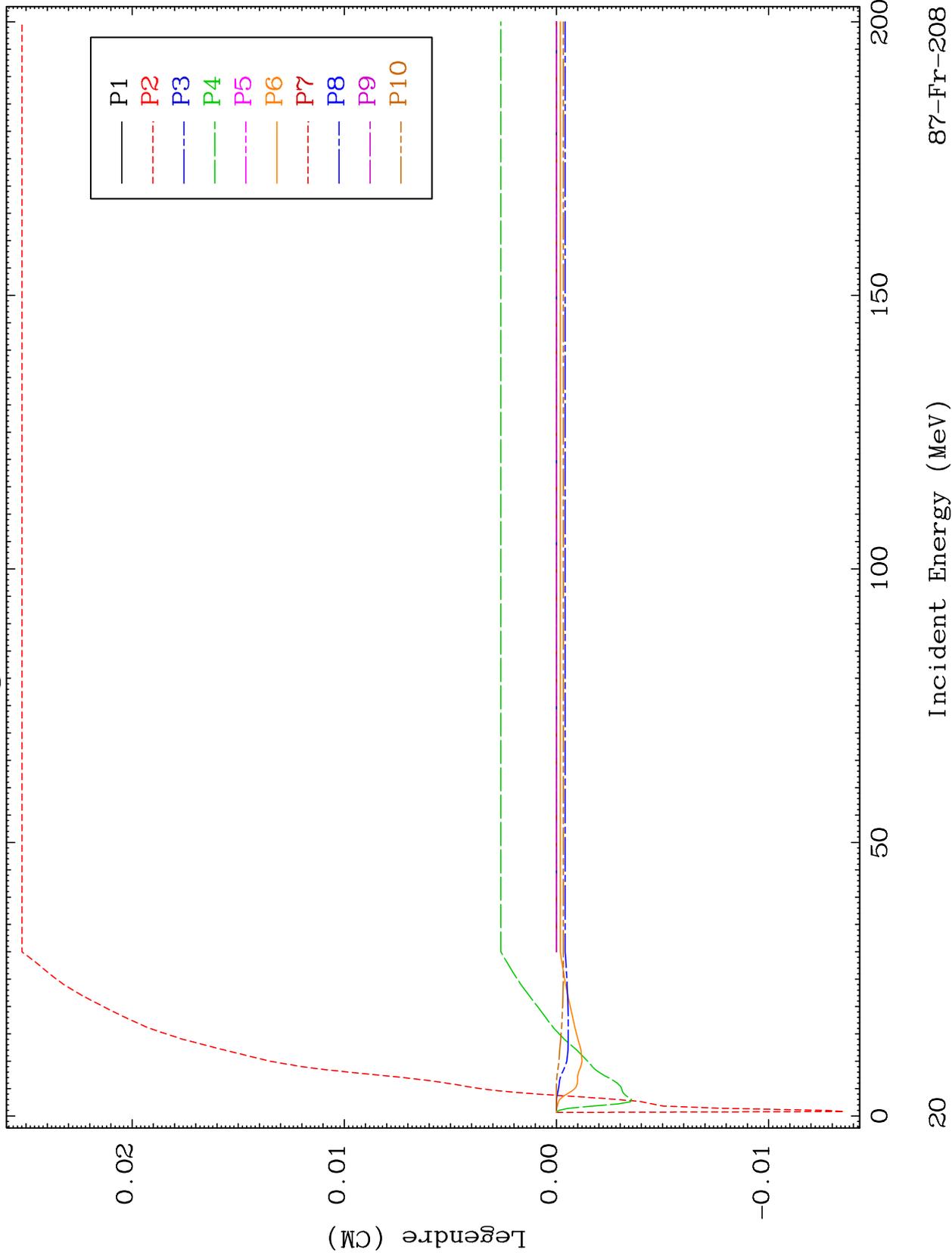
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



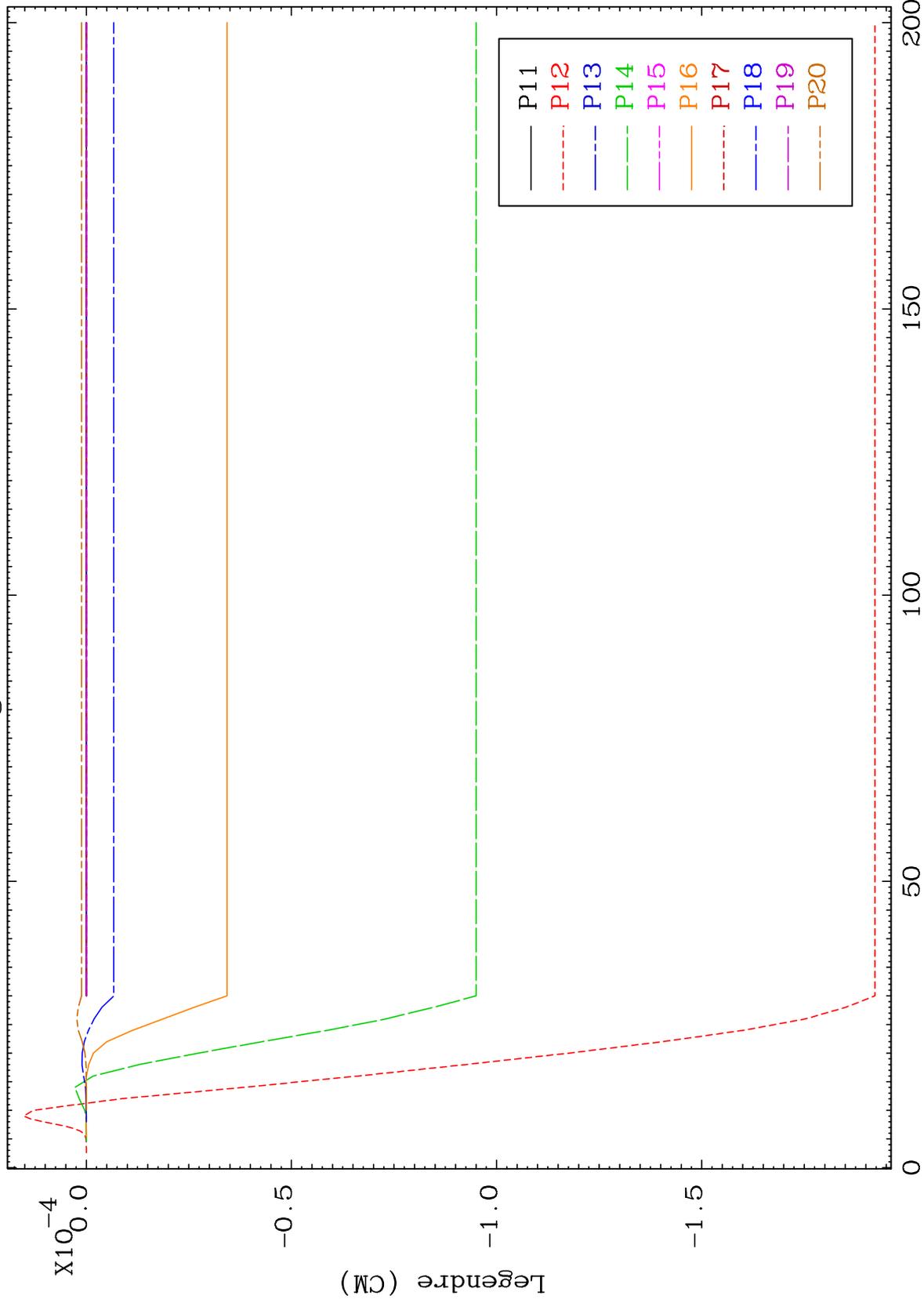
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MAT 8713

MT= 51 (n,n') Level

87-Fr-208

Legendre Coefficients



21

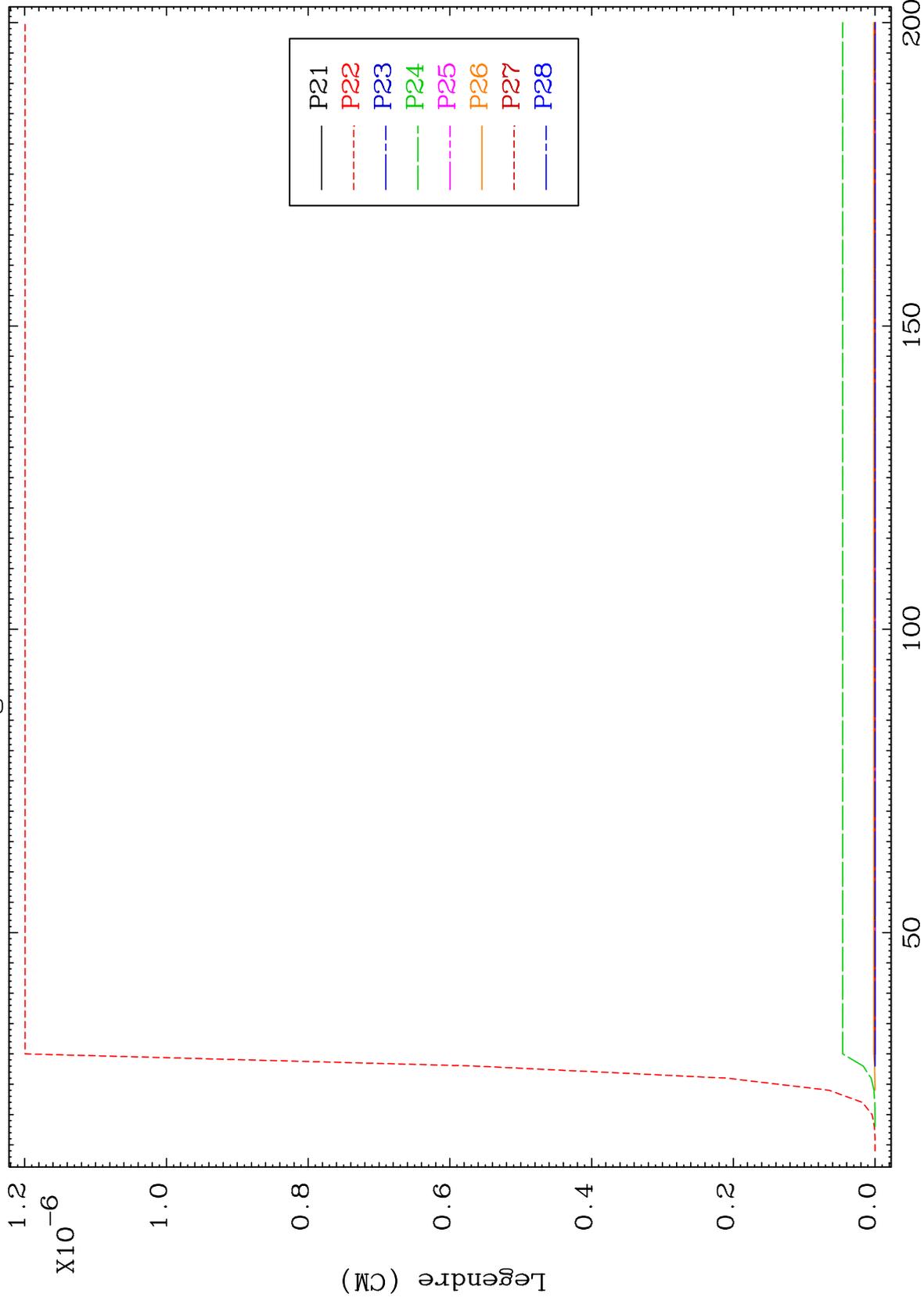
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



22

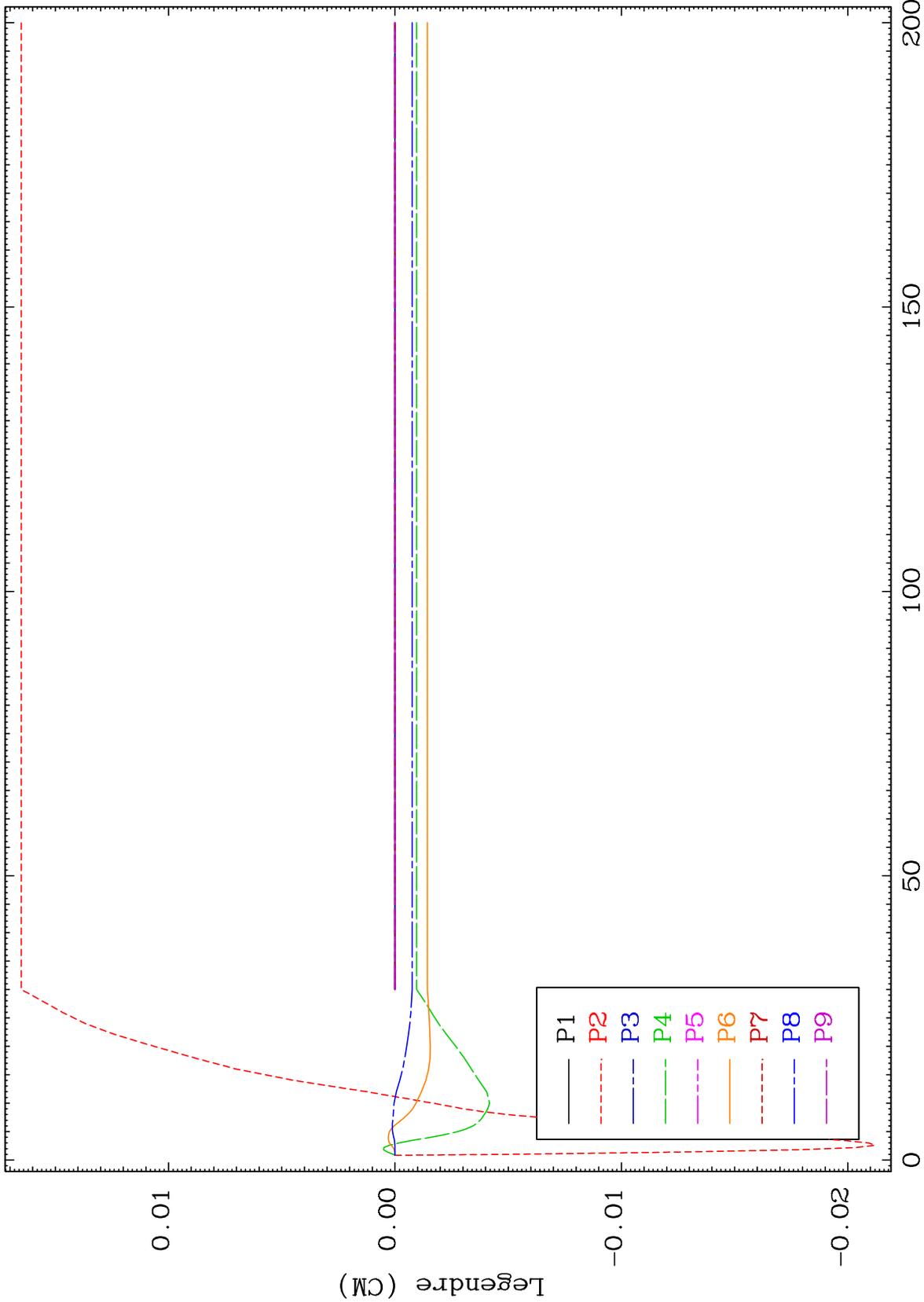
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



23

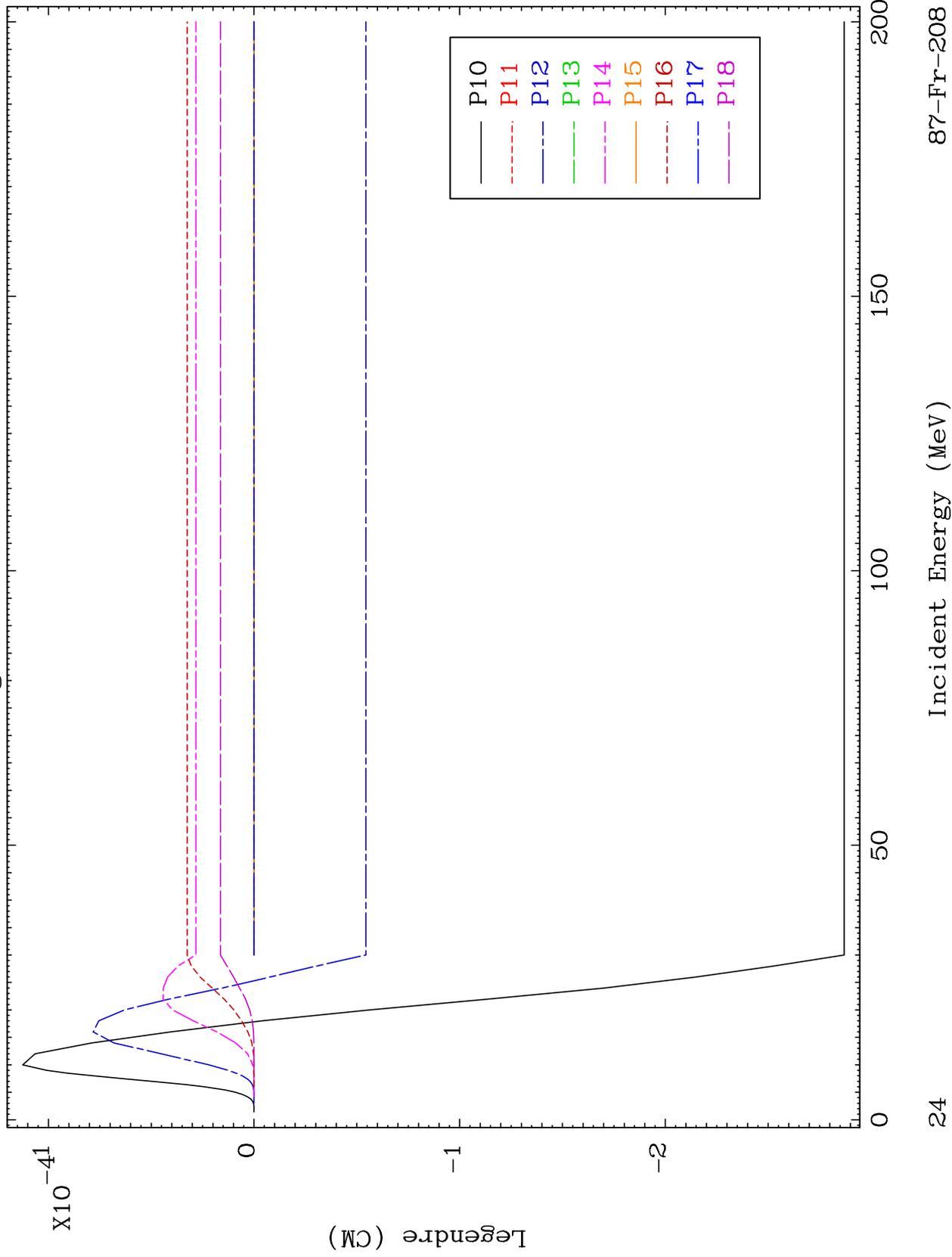
Incident Energy (MeV)

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MAT 8713

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

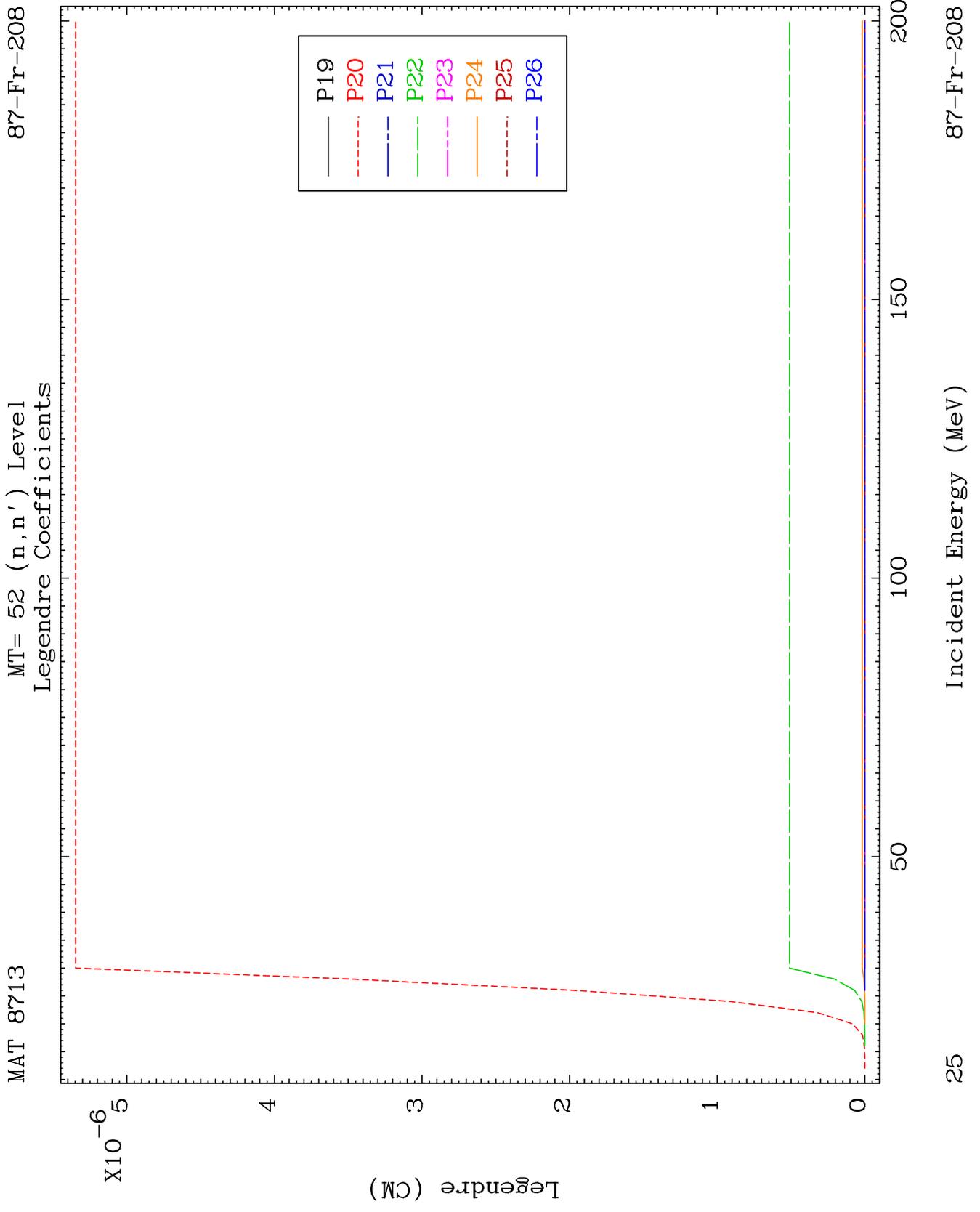
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87-Fr-208

Incident Energy (MeV)

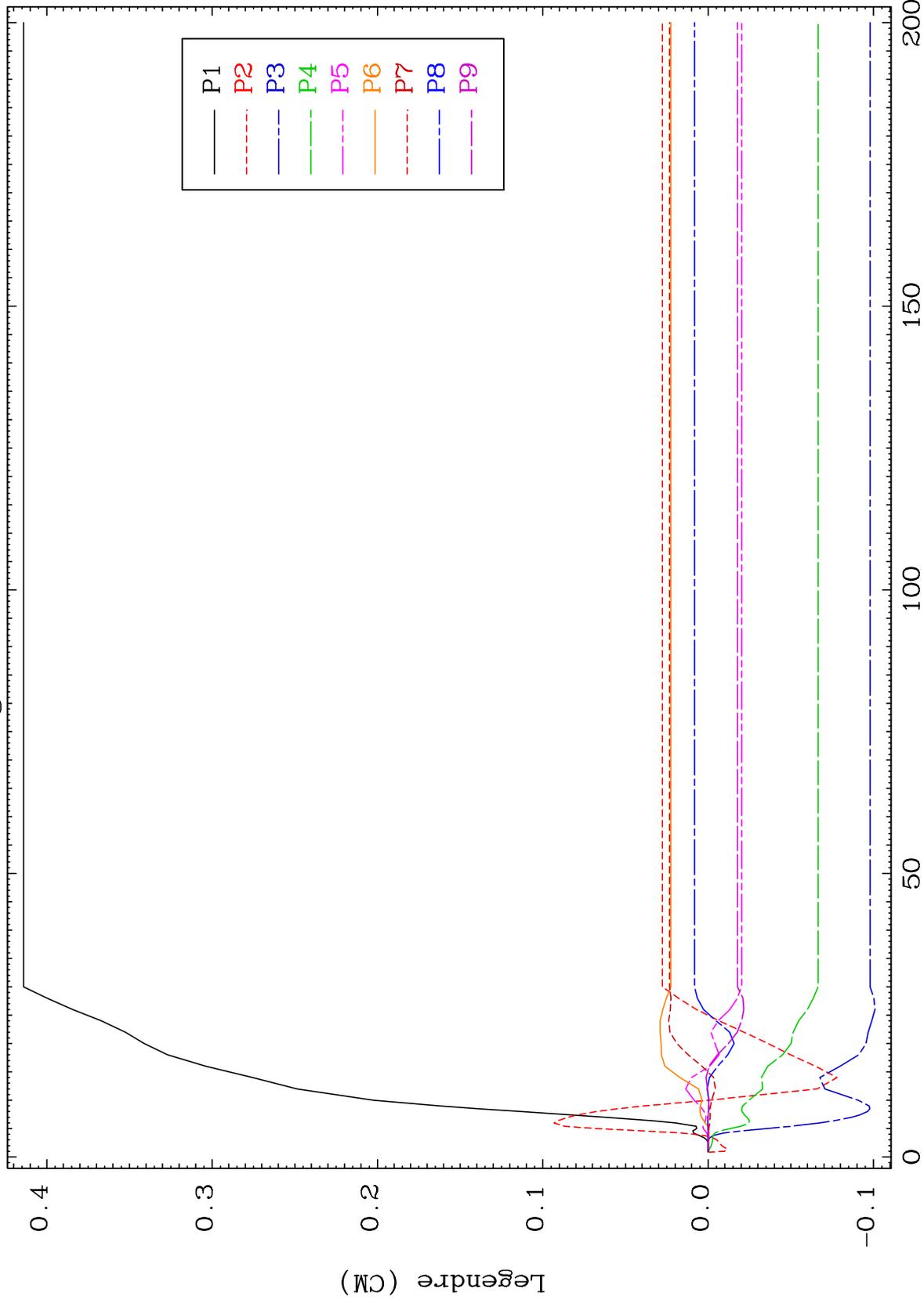
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MAT 8713

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

87-Fr-208



26

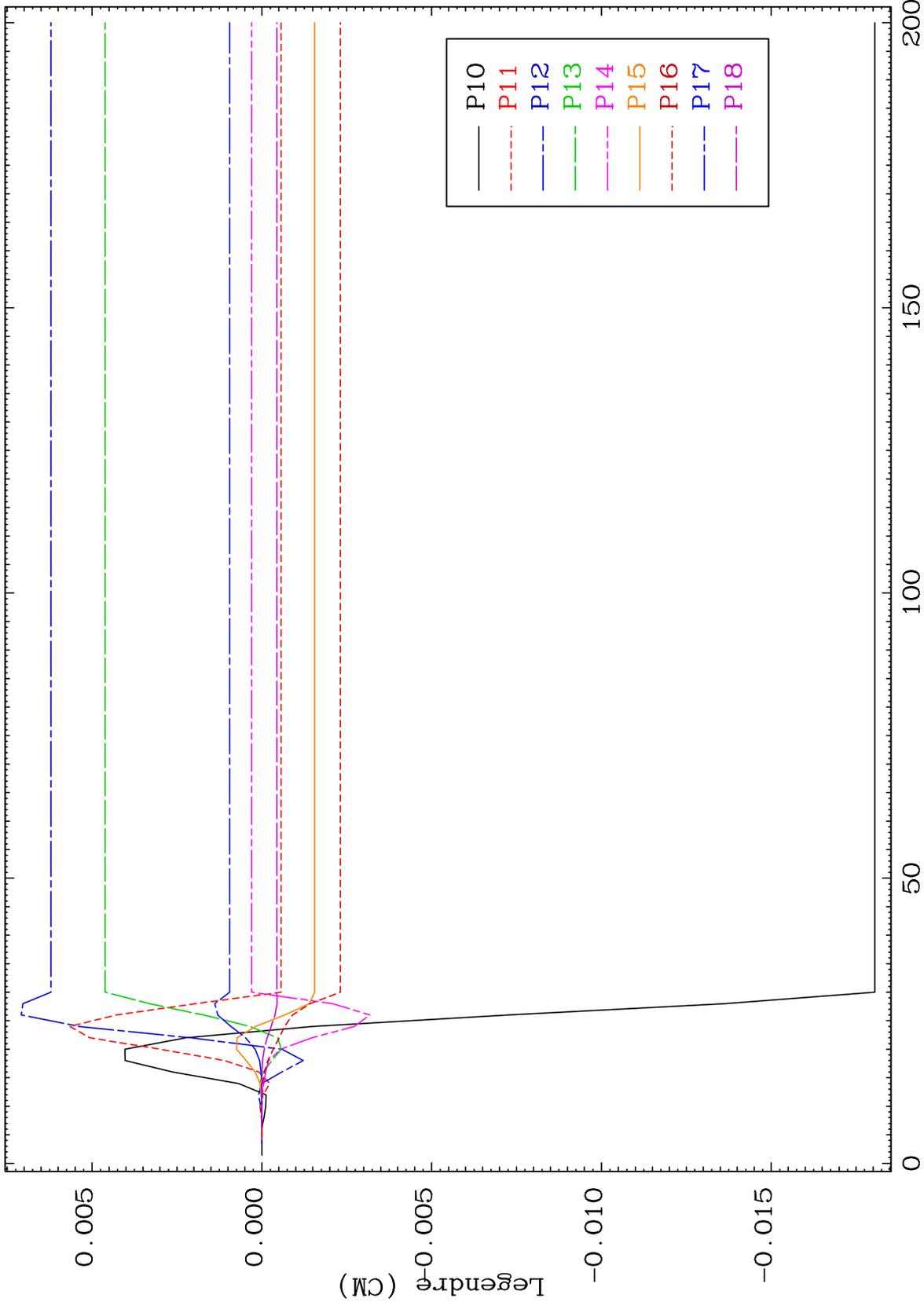
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



27

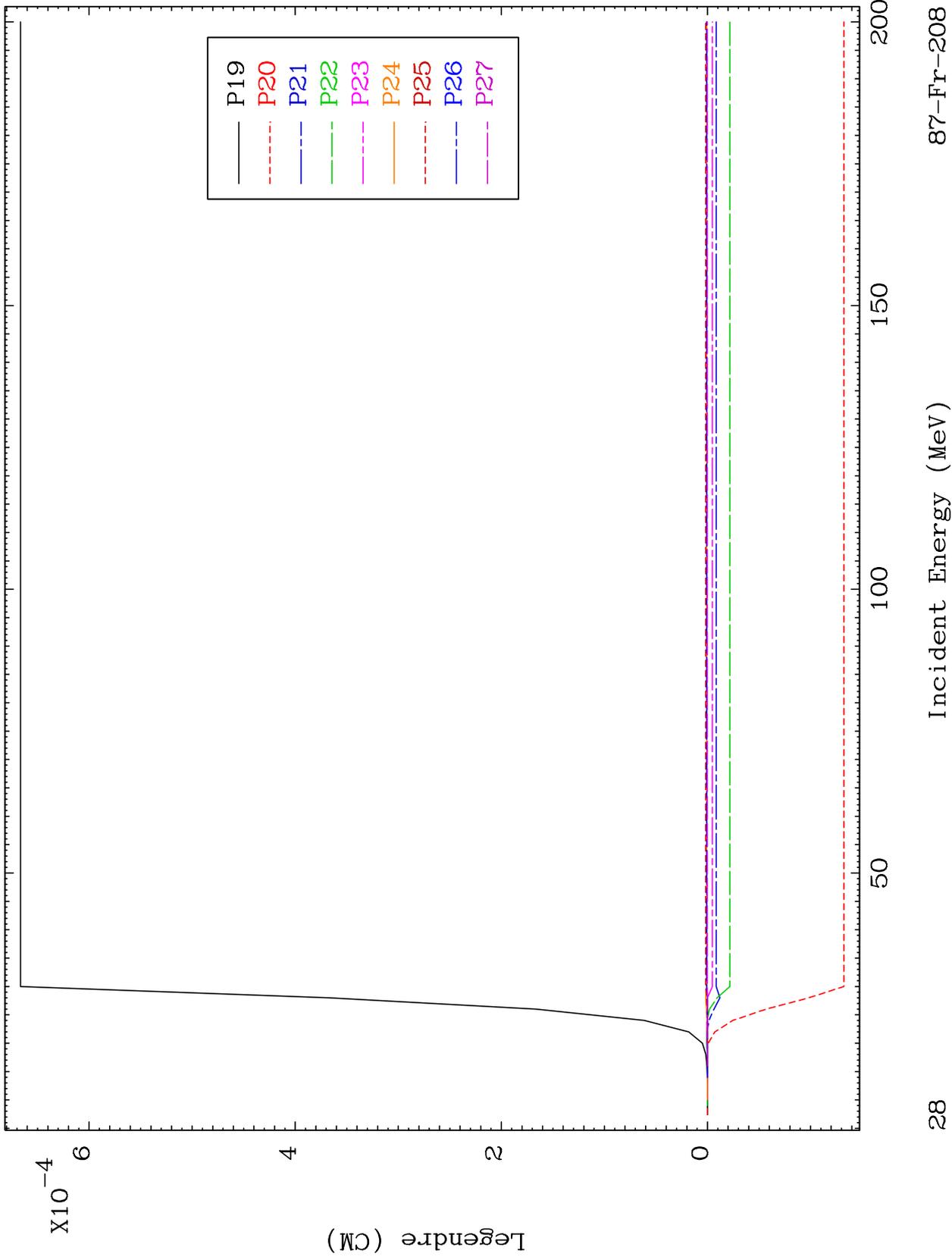
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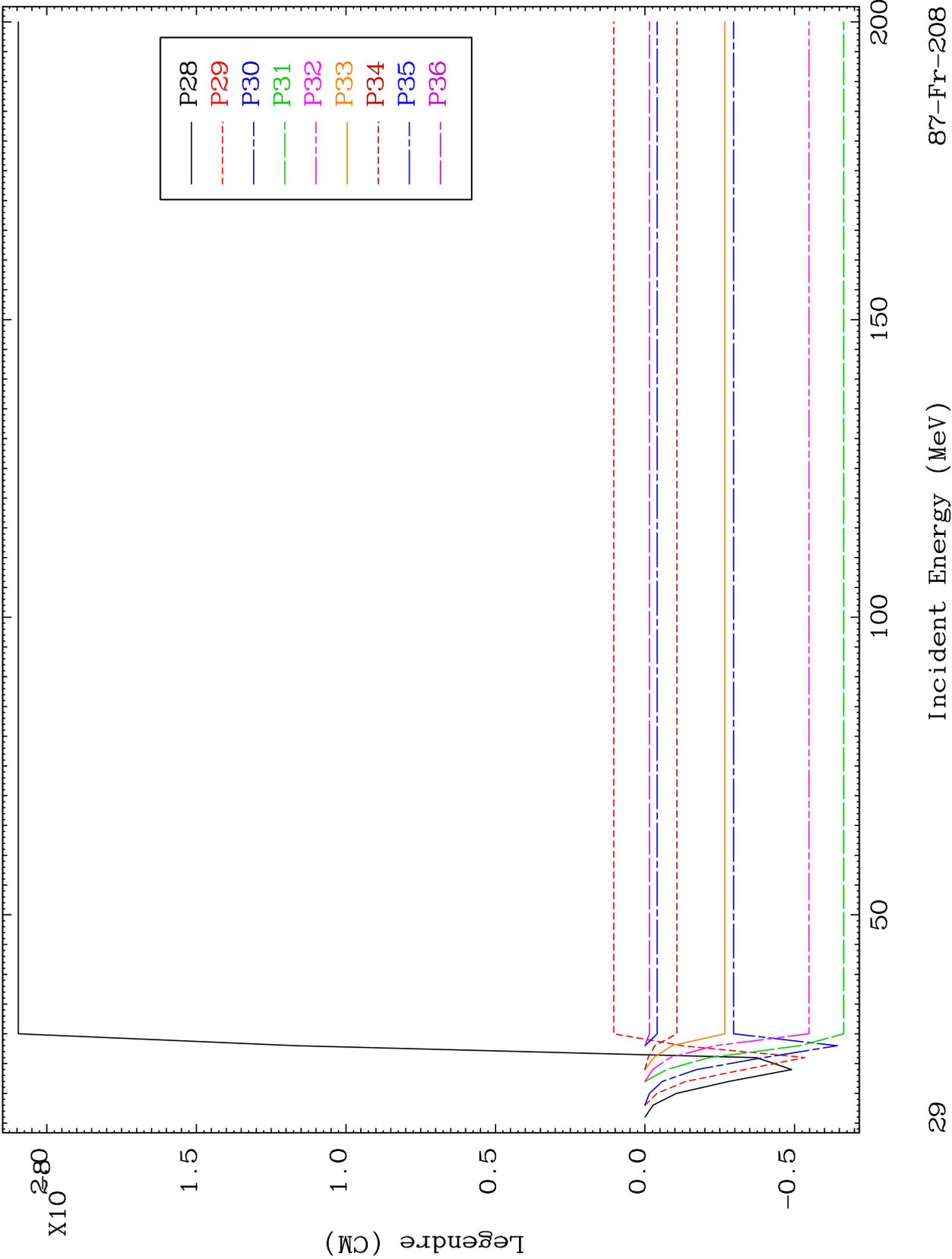
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MAT 8713

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

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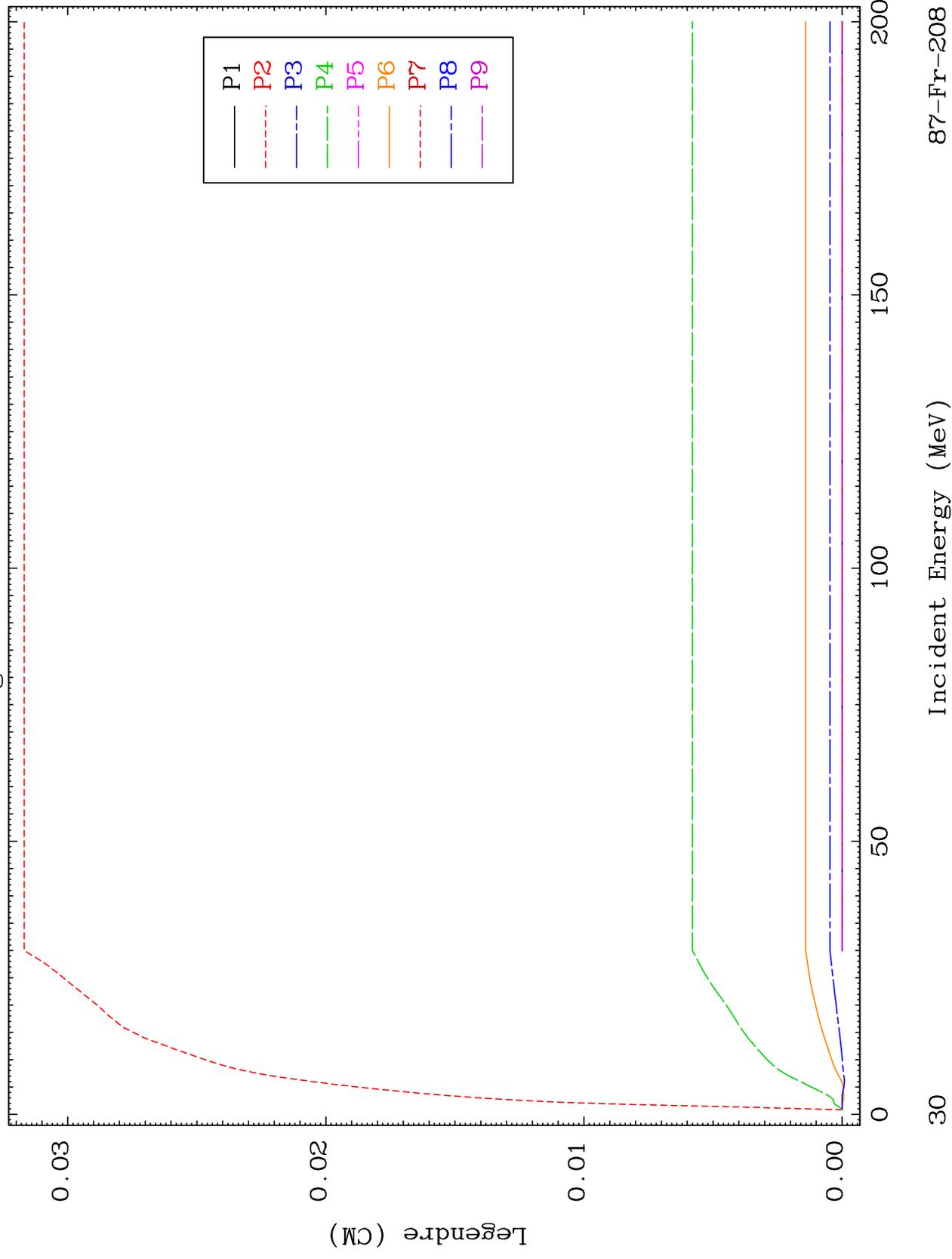




MAT 8713

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

87-Fr-208

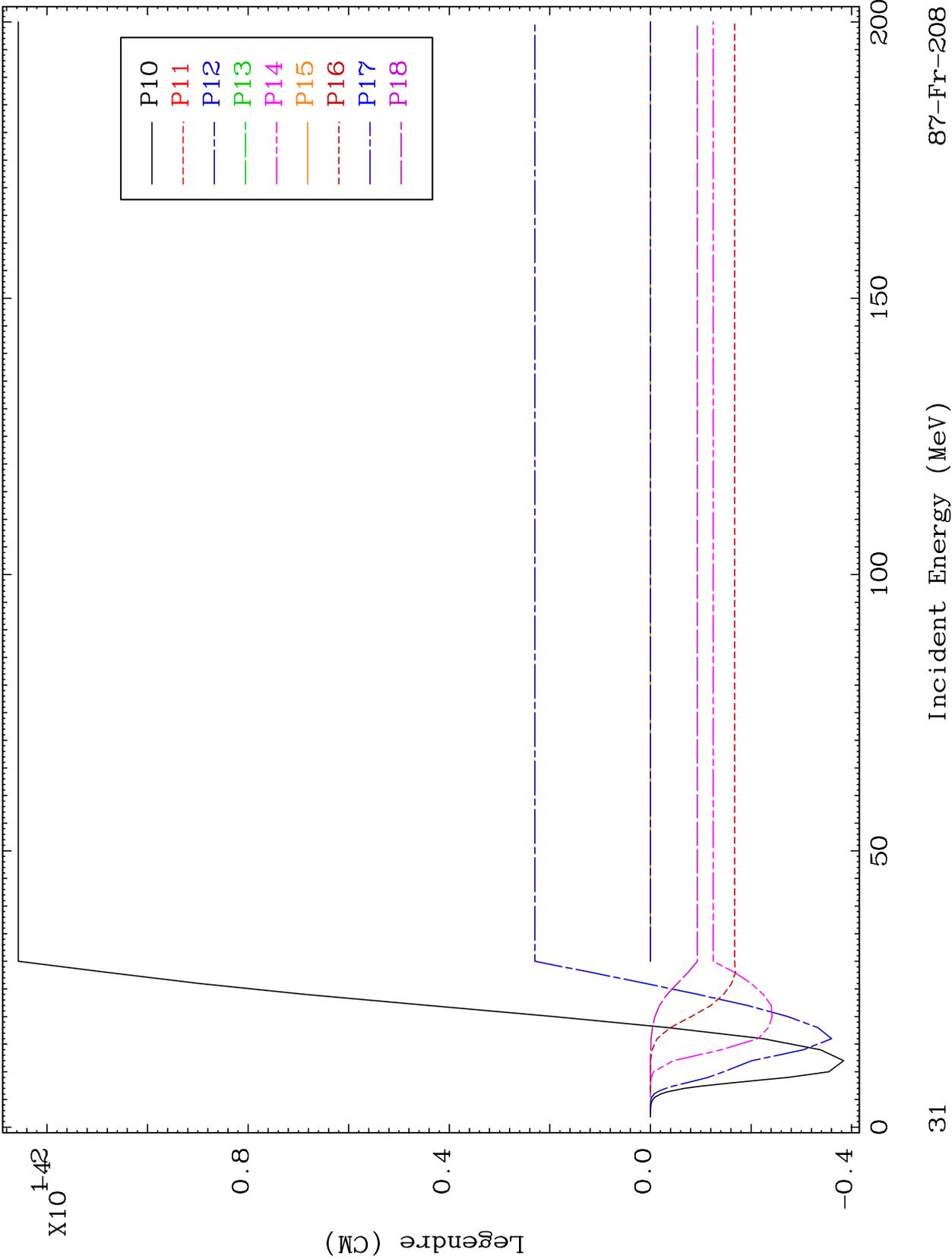


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MAT 8713

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

87-Fr-208



31

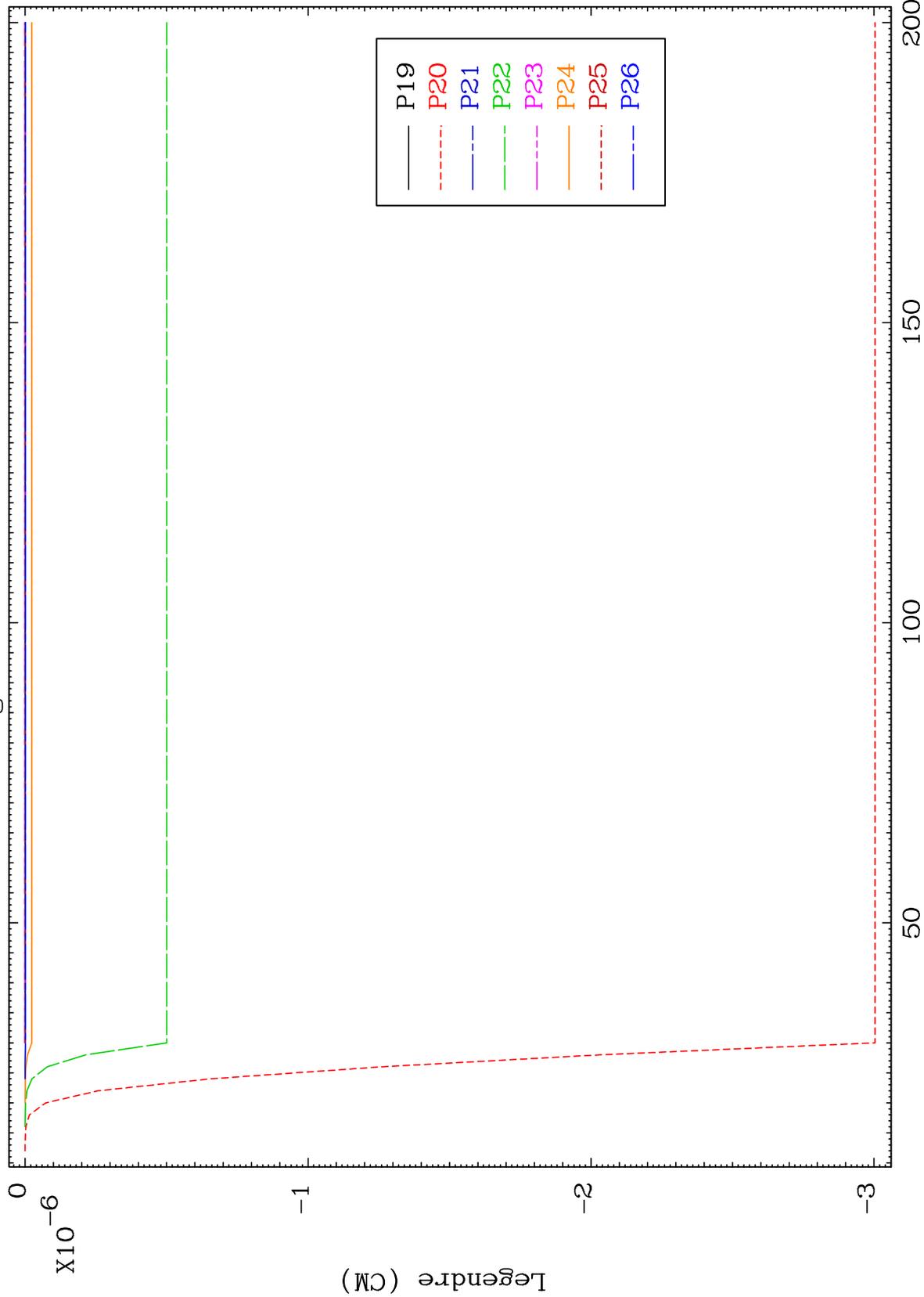
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



32

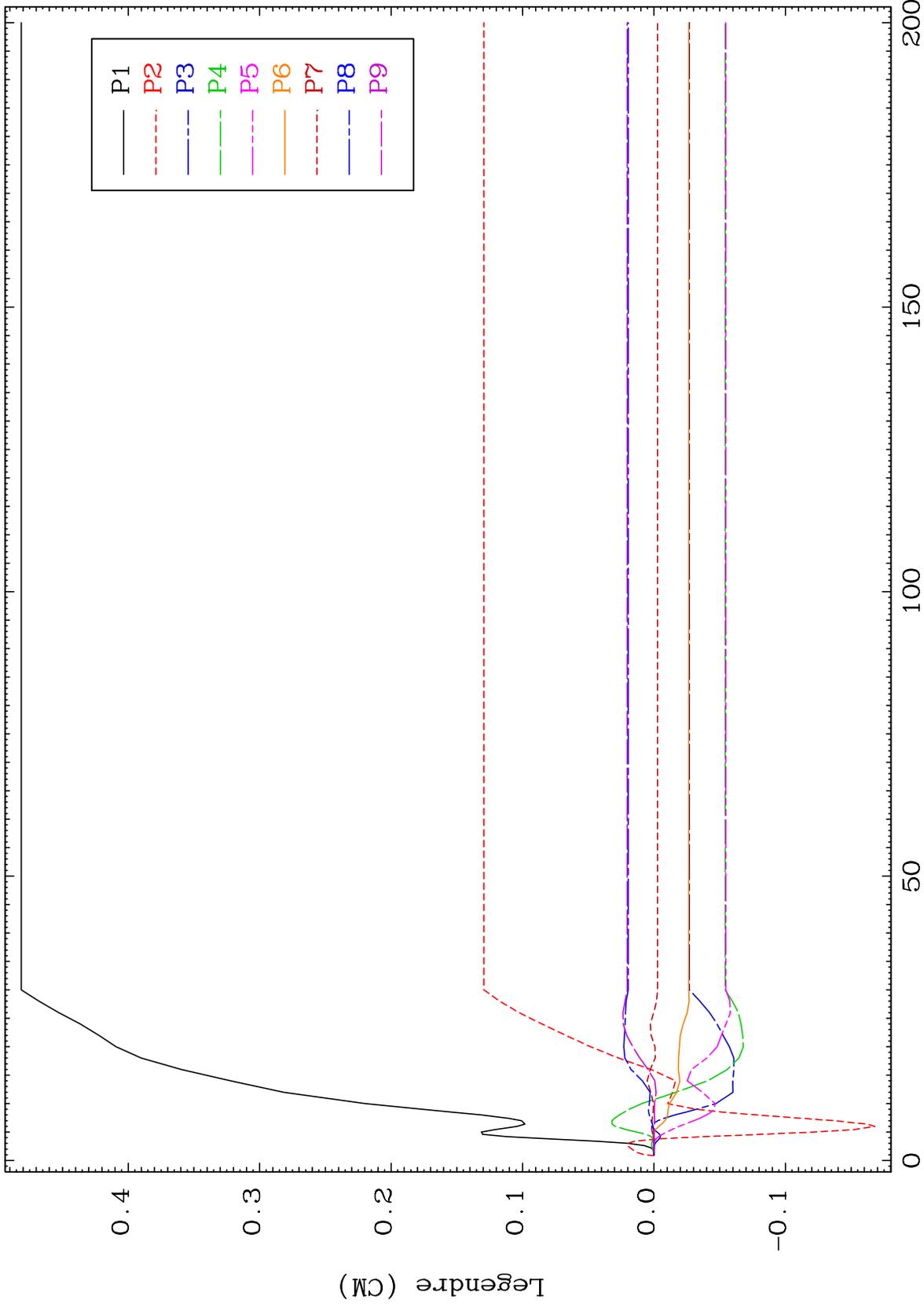
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

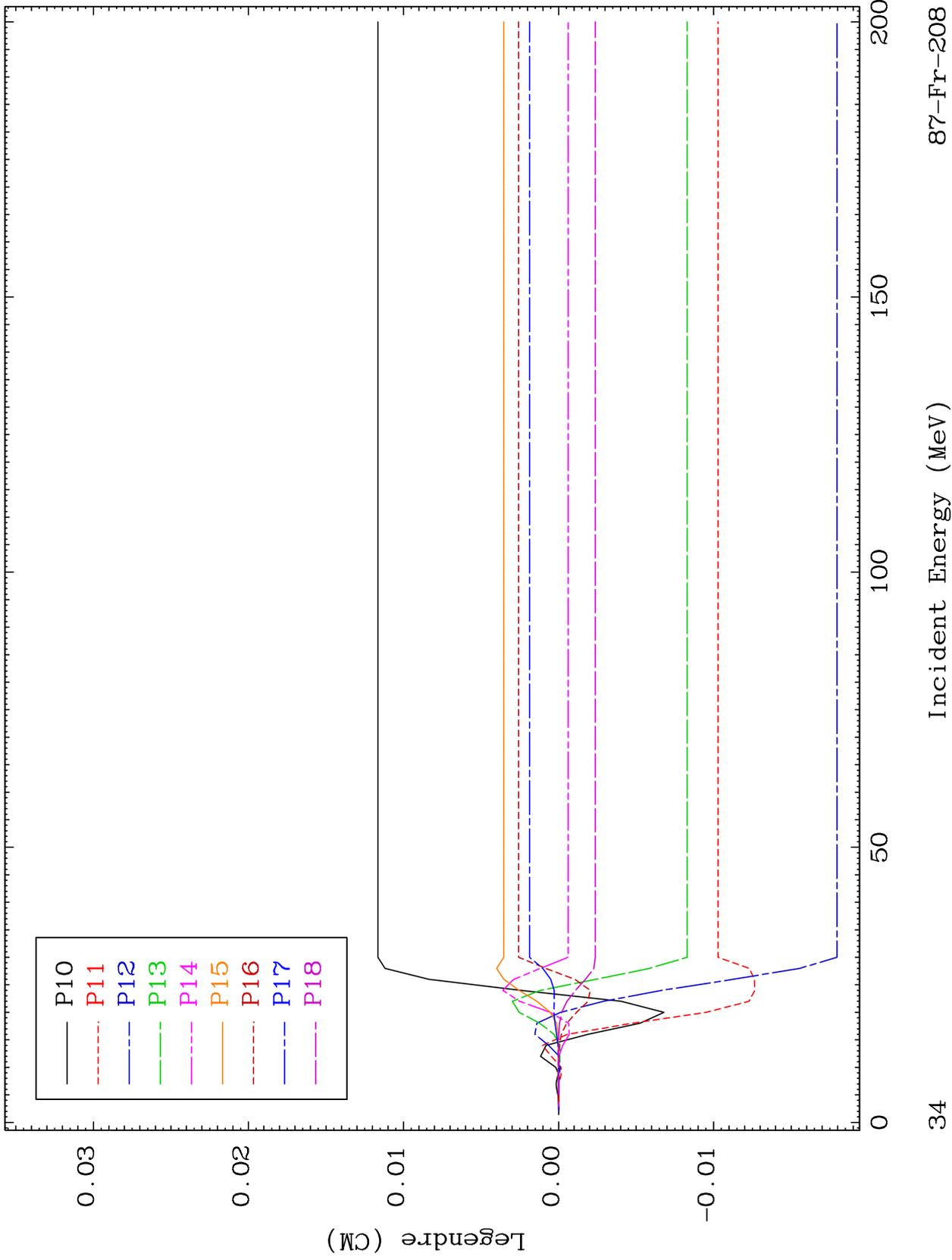
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33

Incident Energy (MeV)

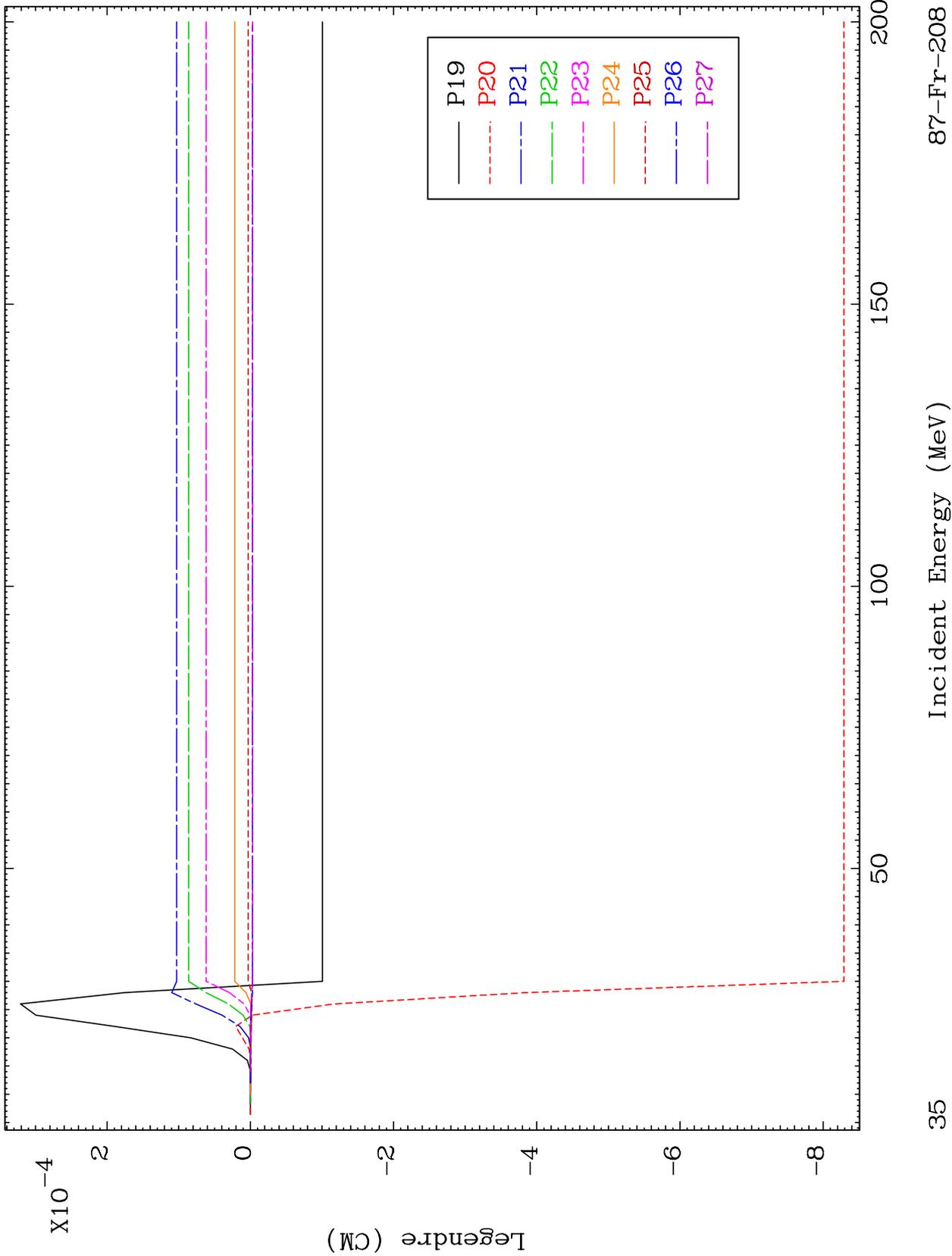
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MAT 8713

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

87-Fr-208



35

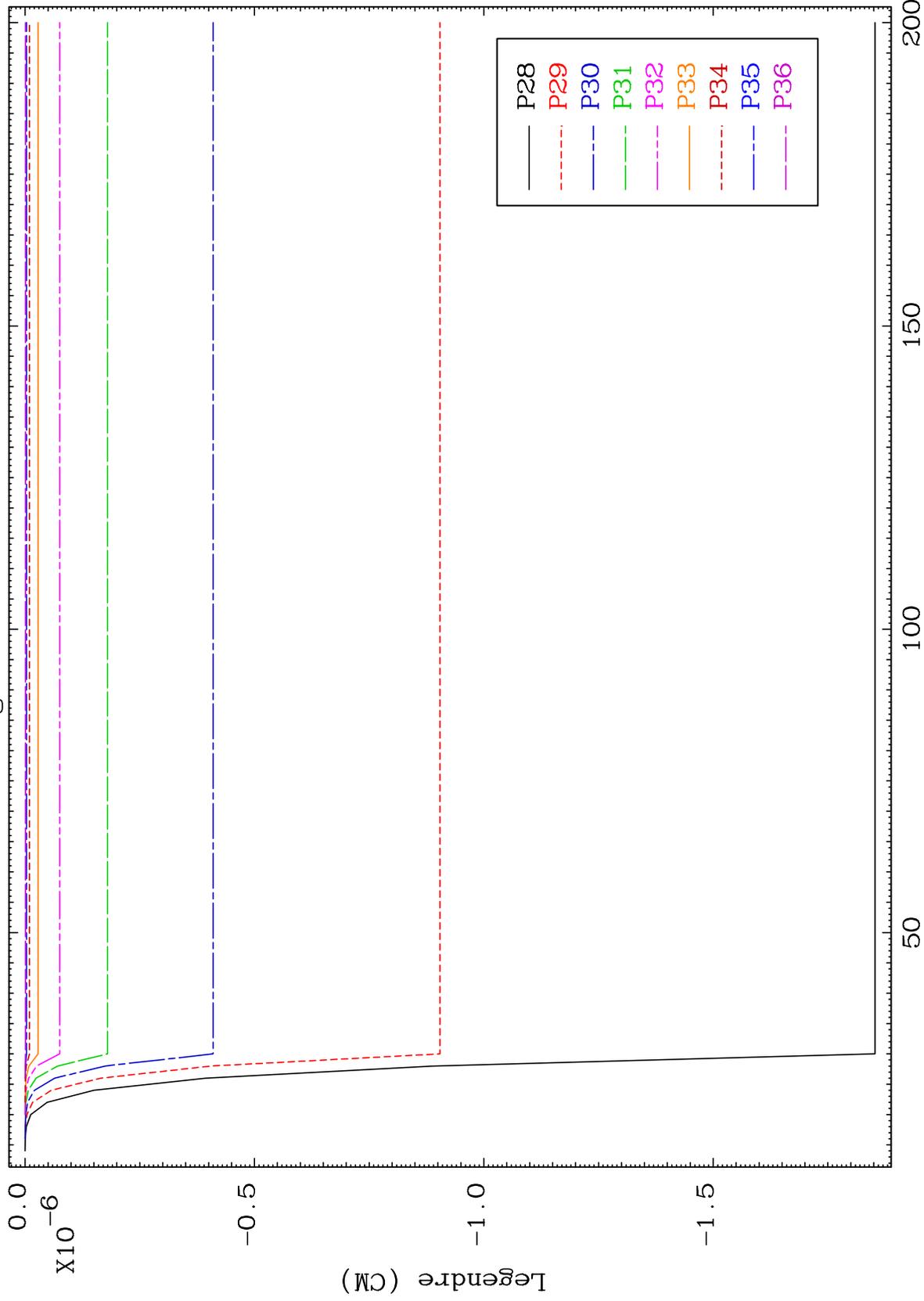
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



36

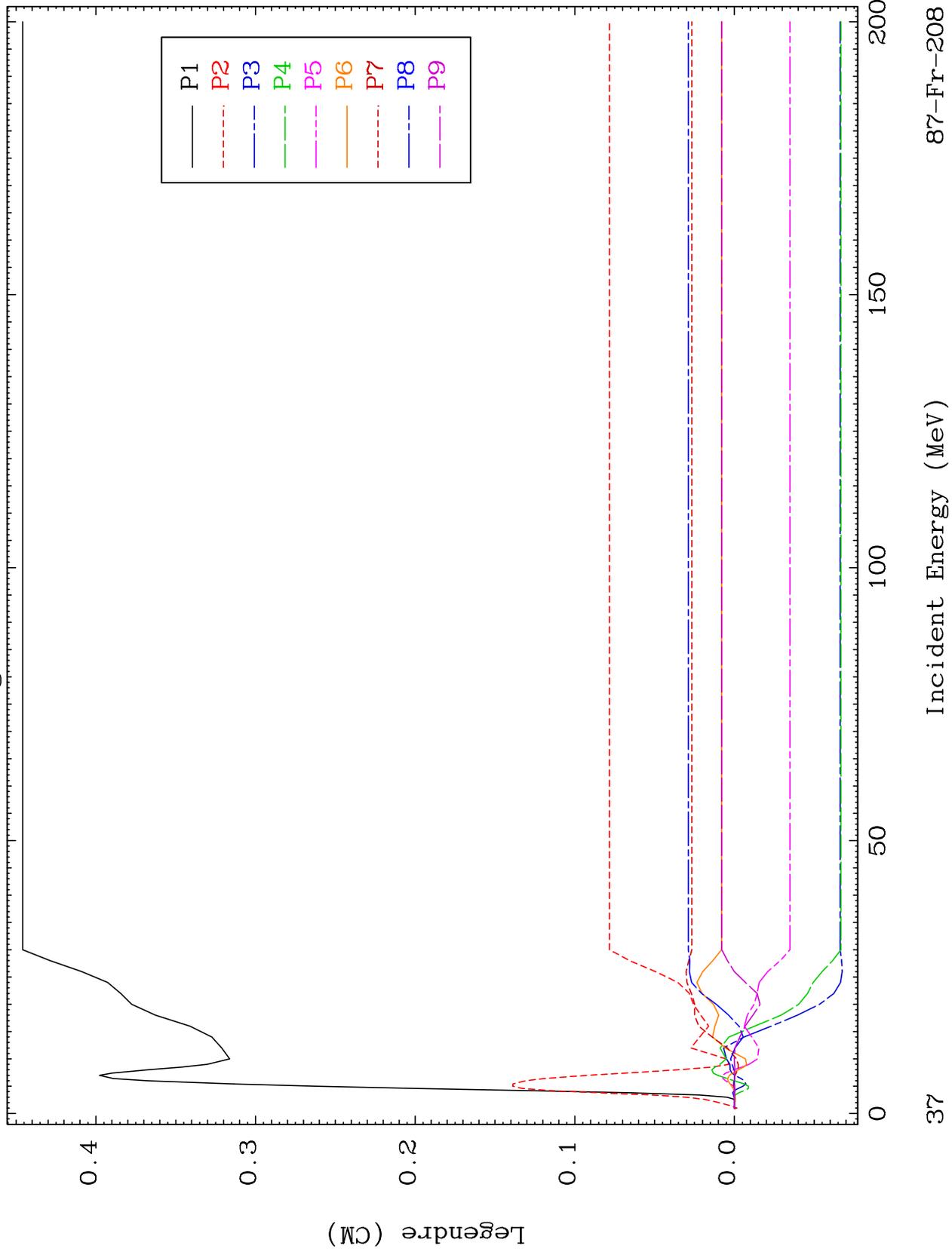
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



87-Fr-208

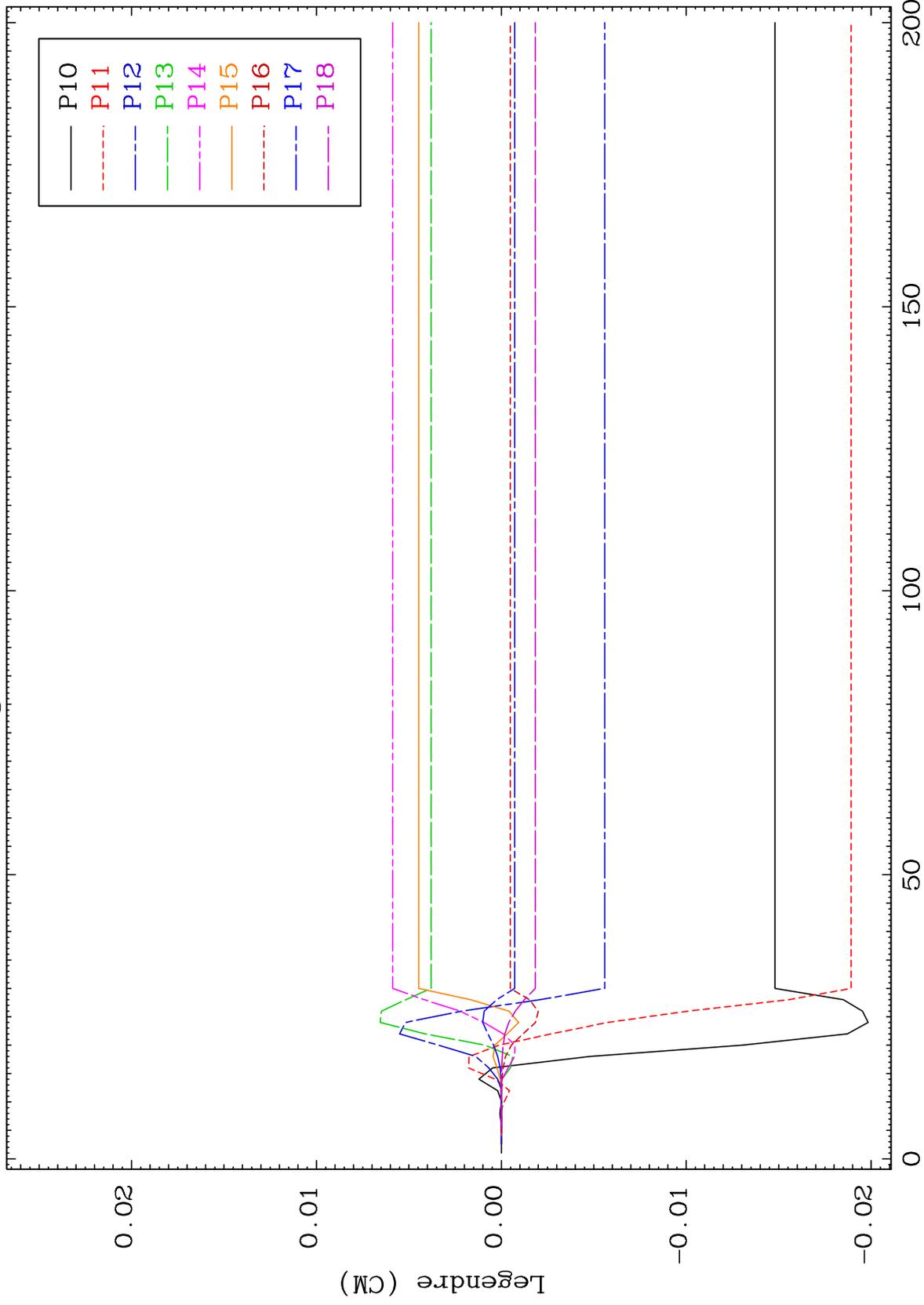
Incident Energy (MeV)

37

MAT 8713

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

87-Fr-208



38

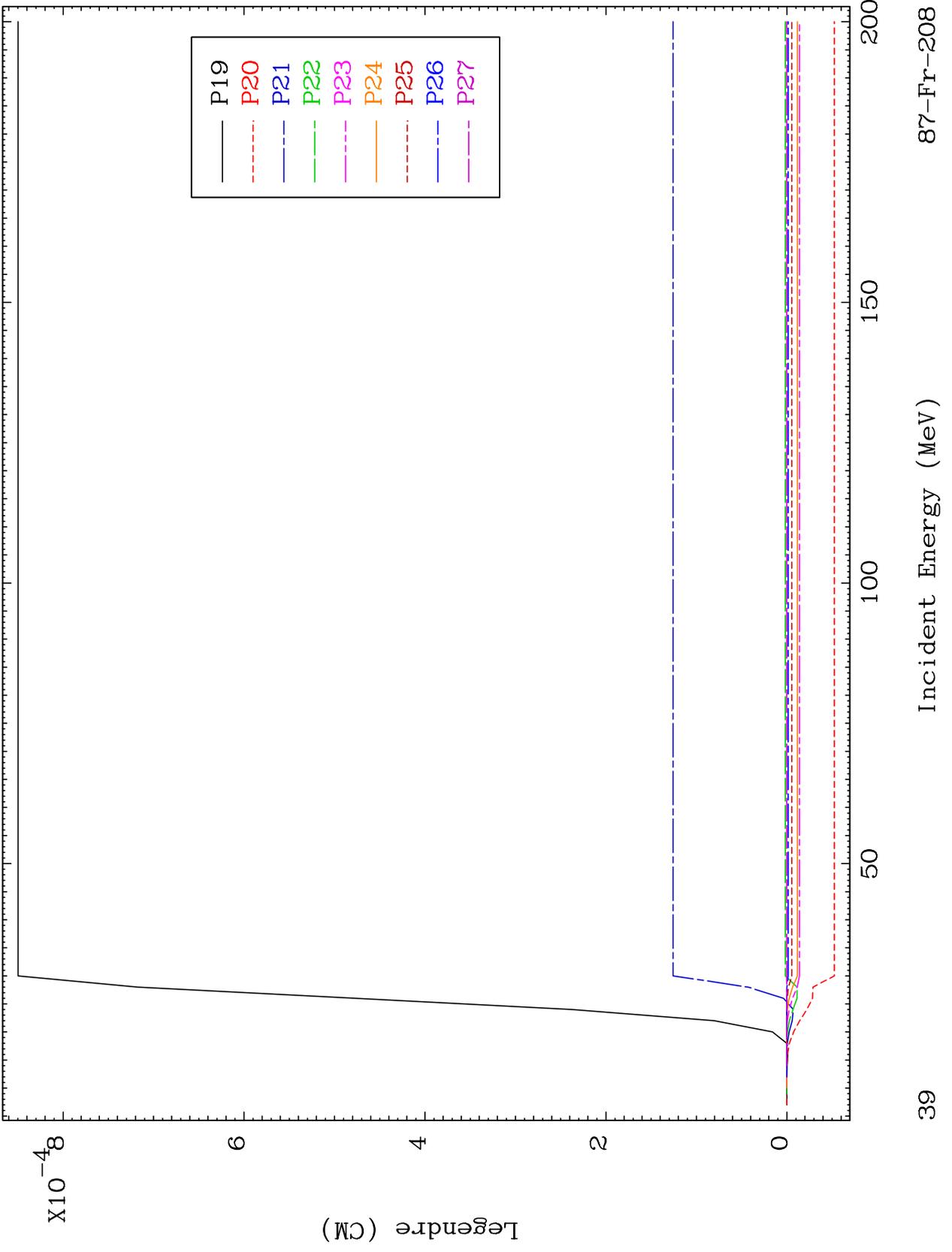
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MAT 8713

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

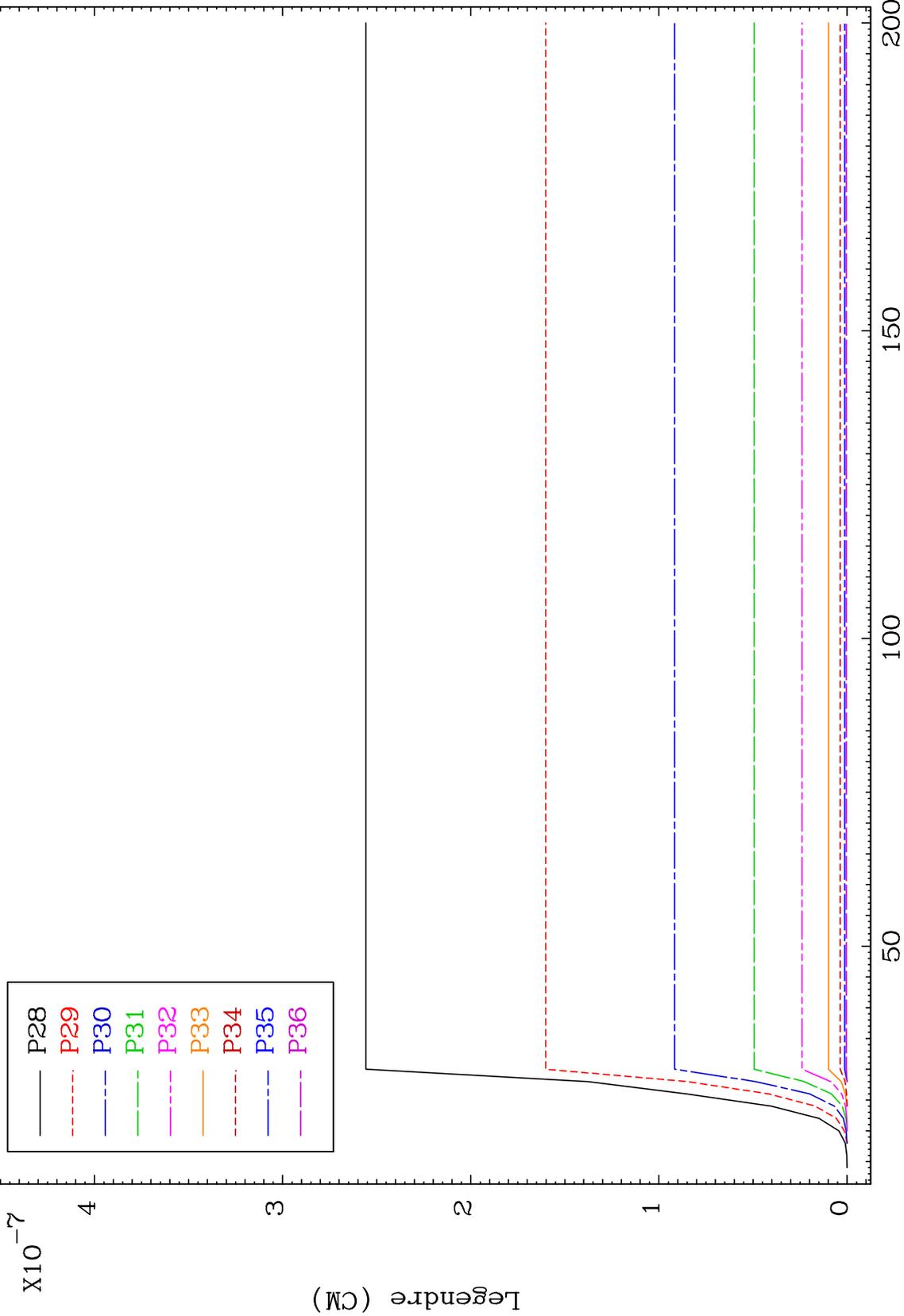
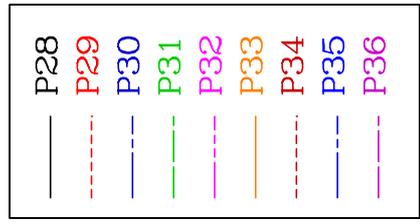
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MAT 8713

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

87-Fr-208



40

50

100

150

200

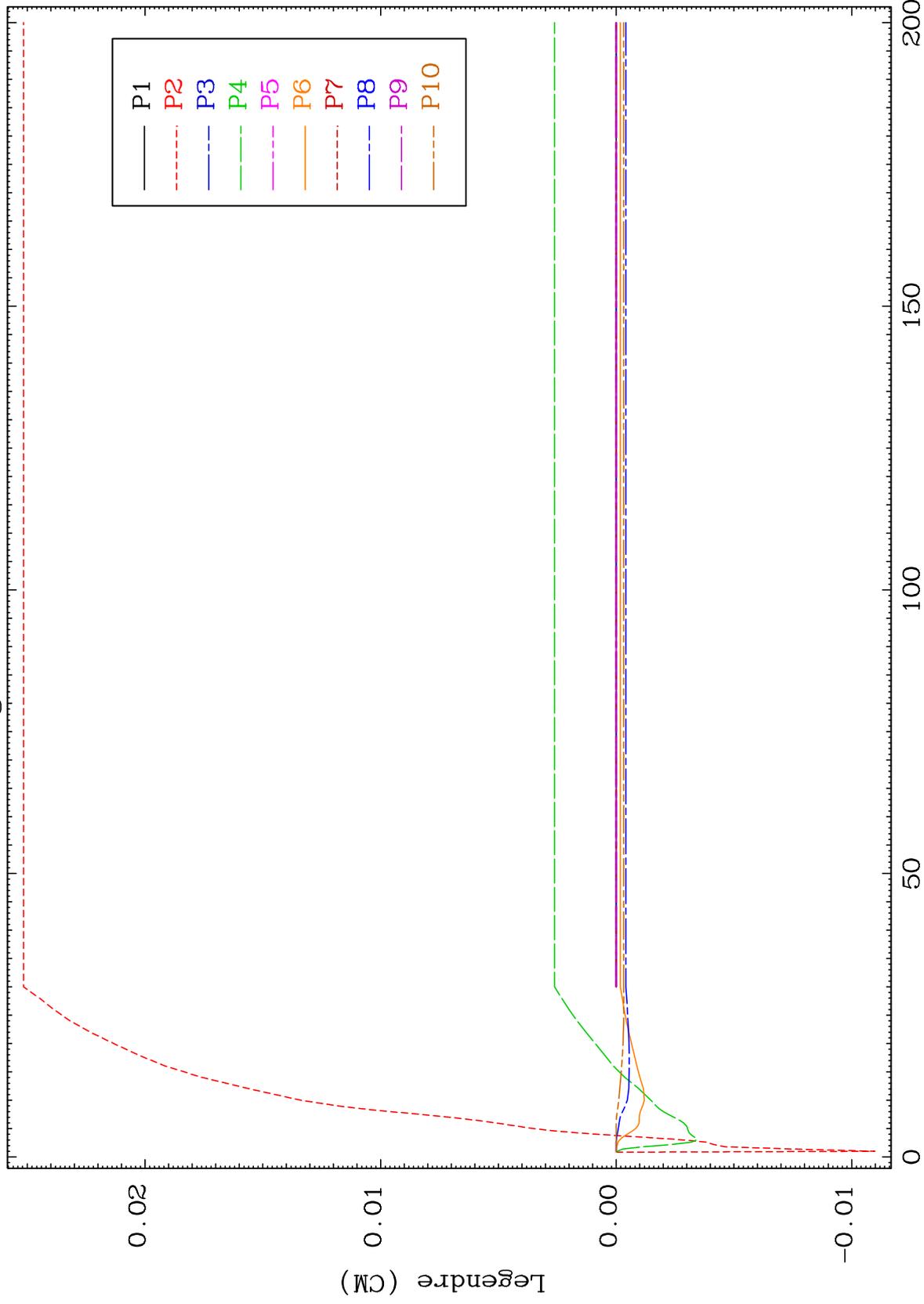
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



41

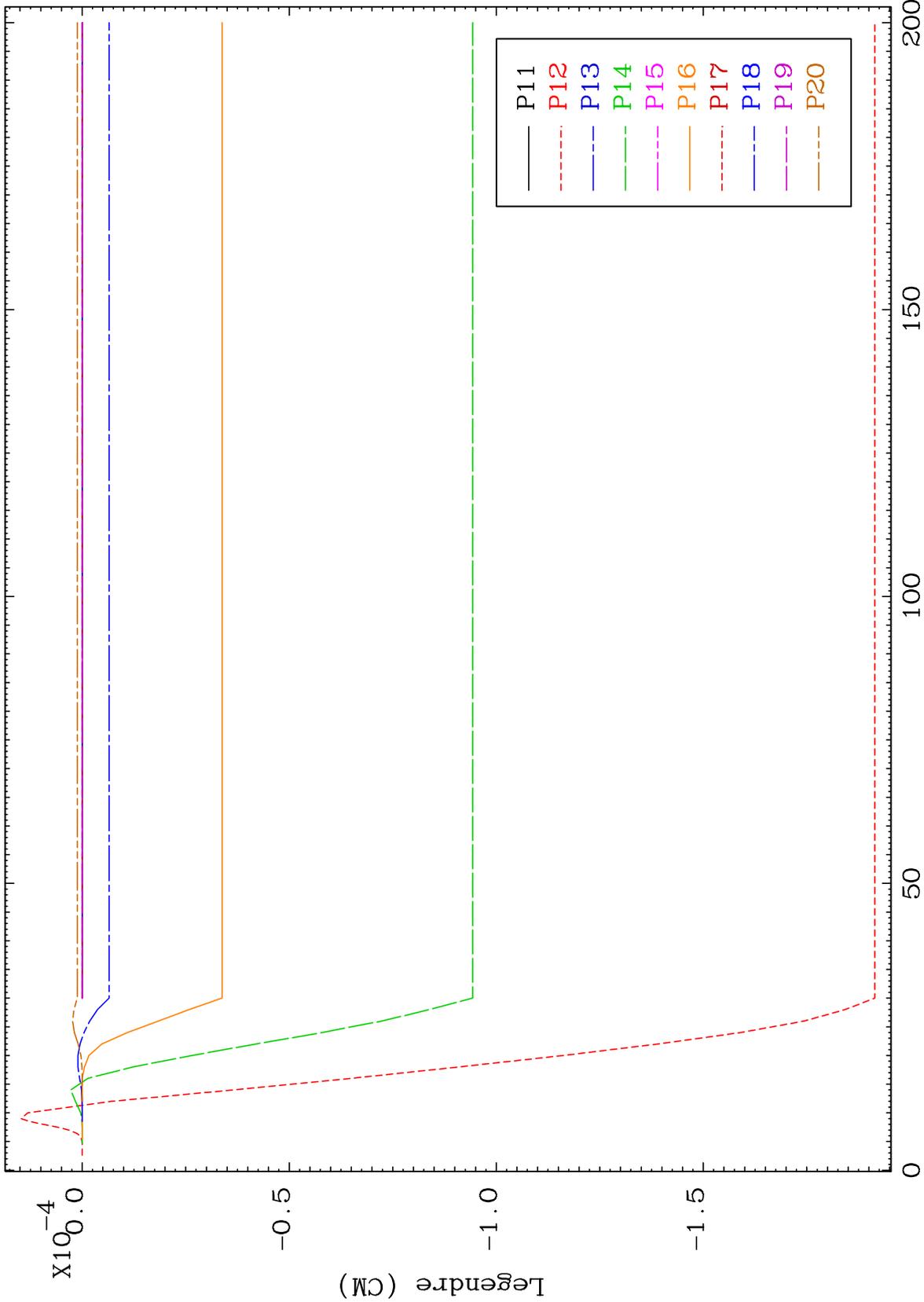
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MAT 8713

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

87-Fr-208



42

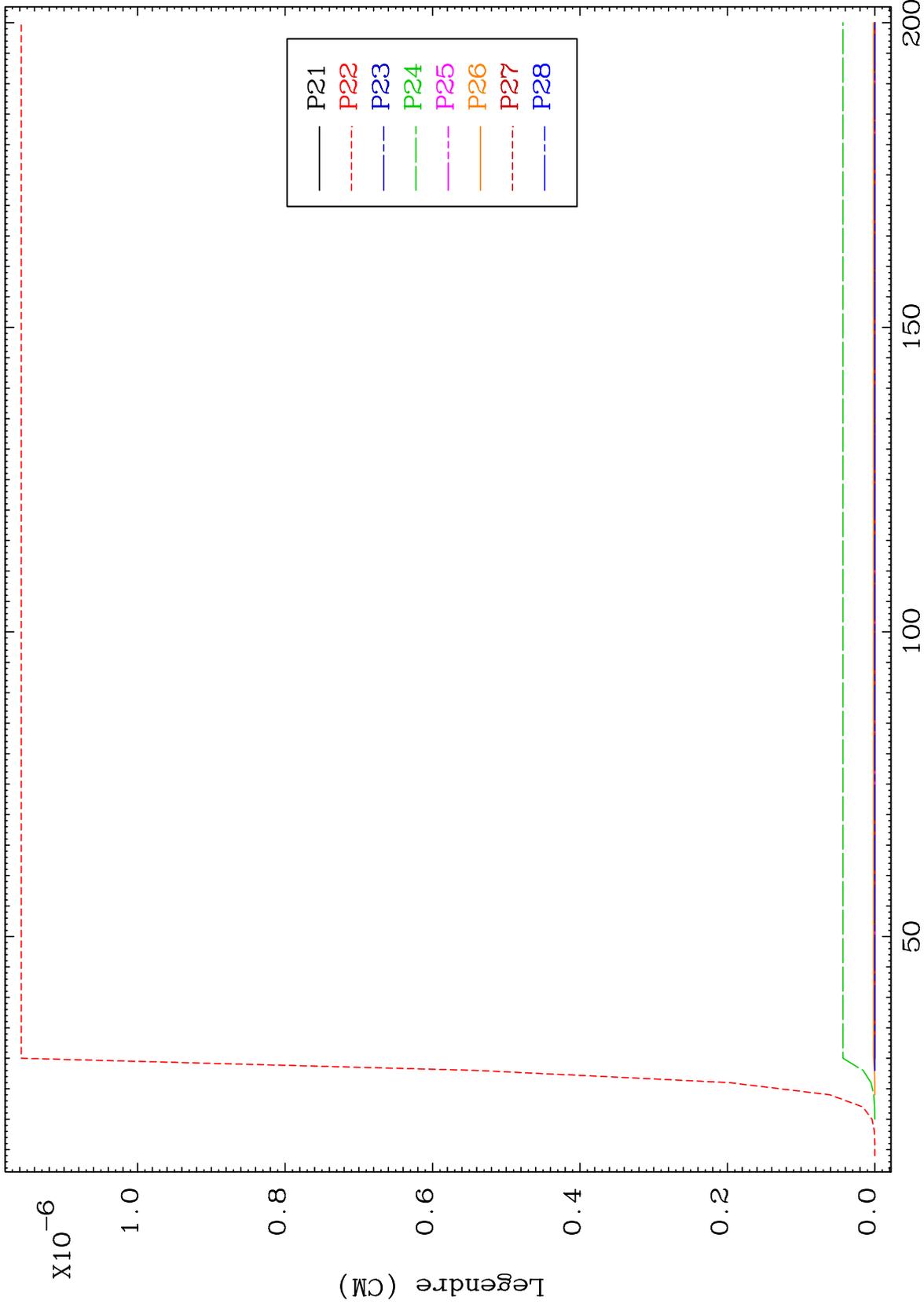
Incident Energy (MeV)

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MAT 8713

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

87-Fr-208



43

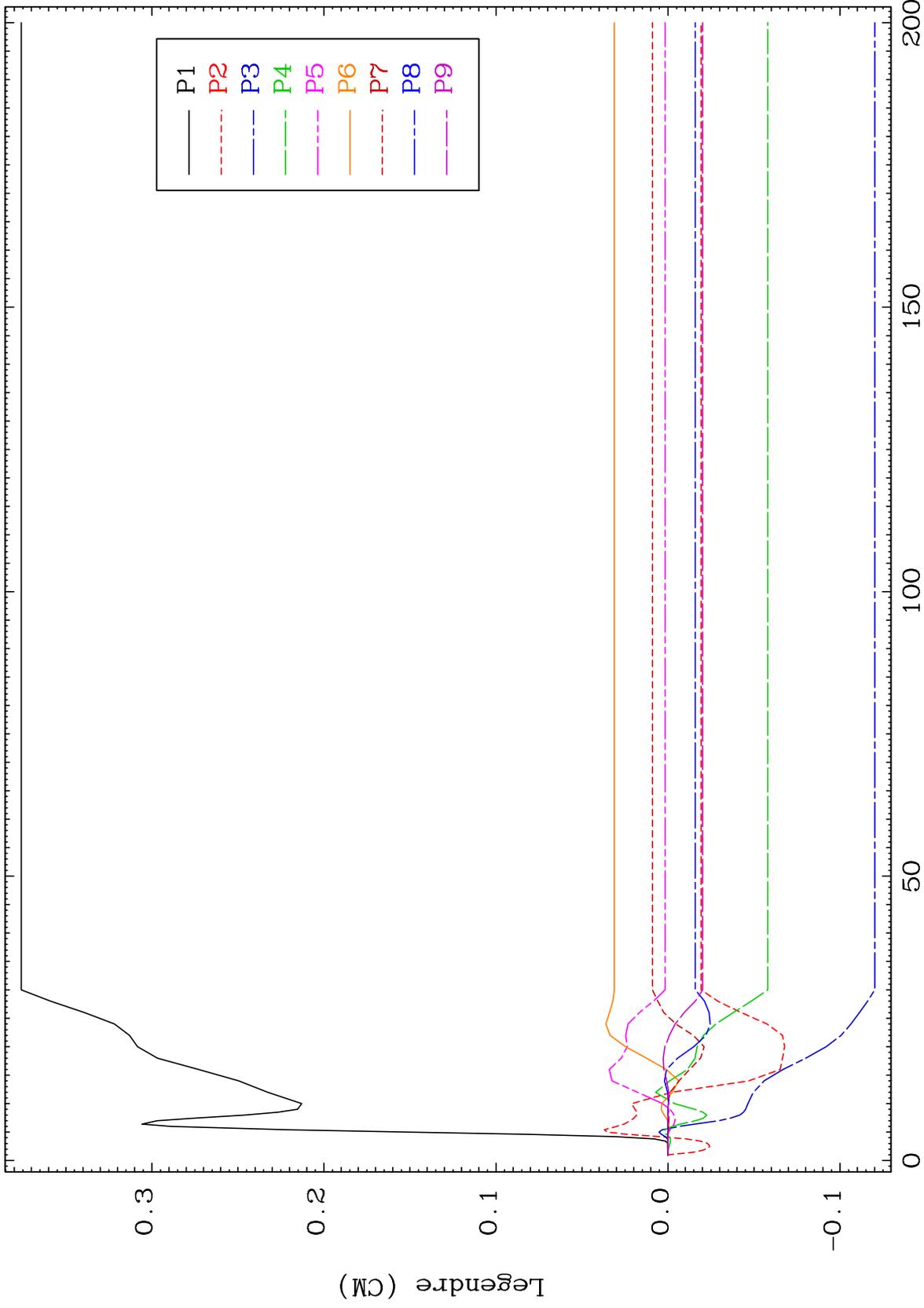
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



44

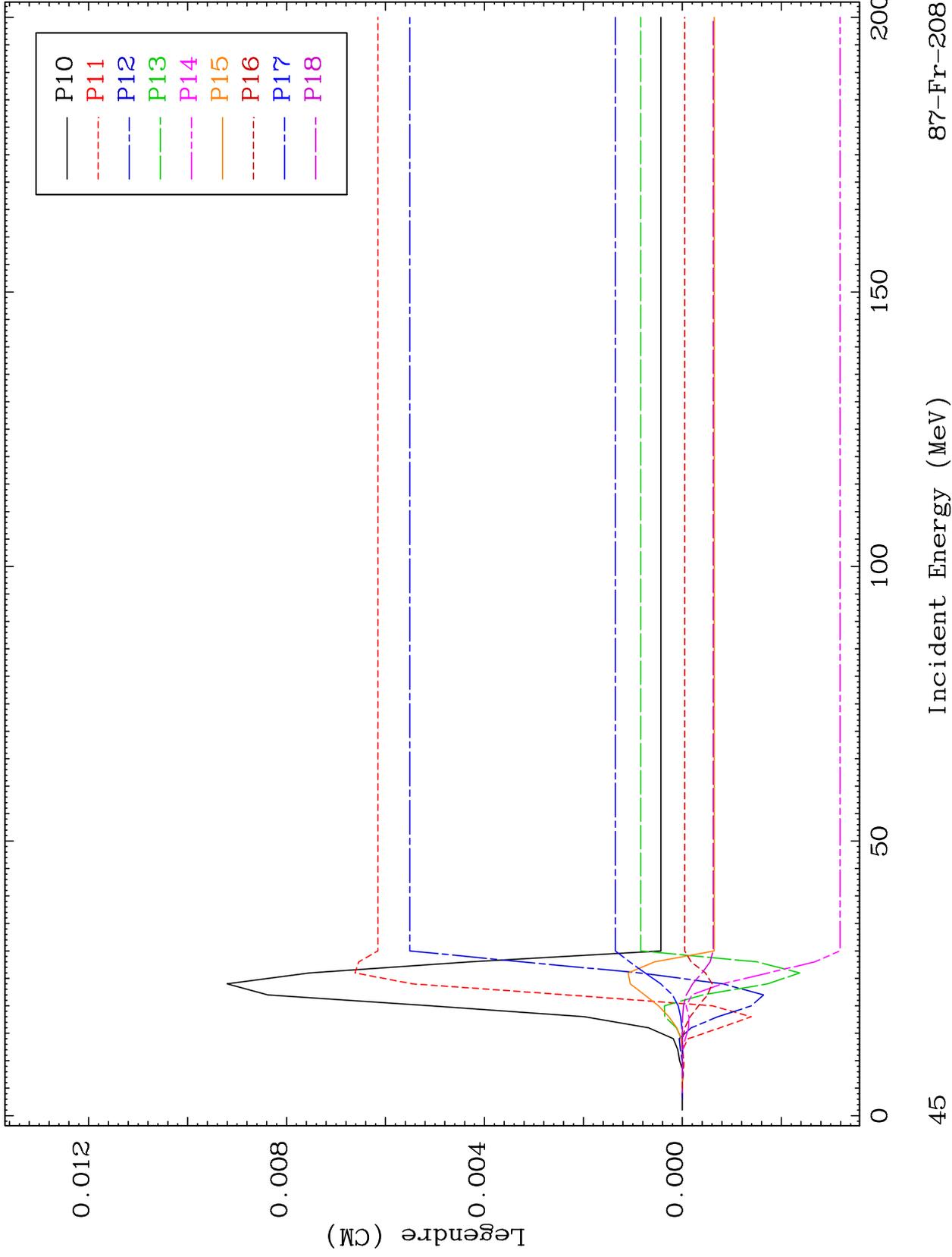
Incident Energy (MeV)

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MAT 8713

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

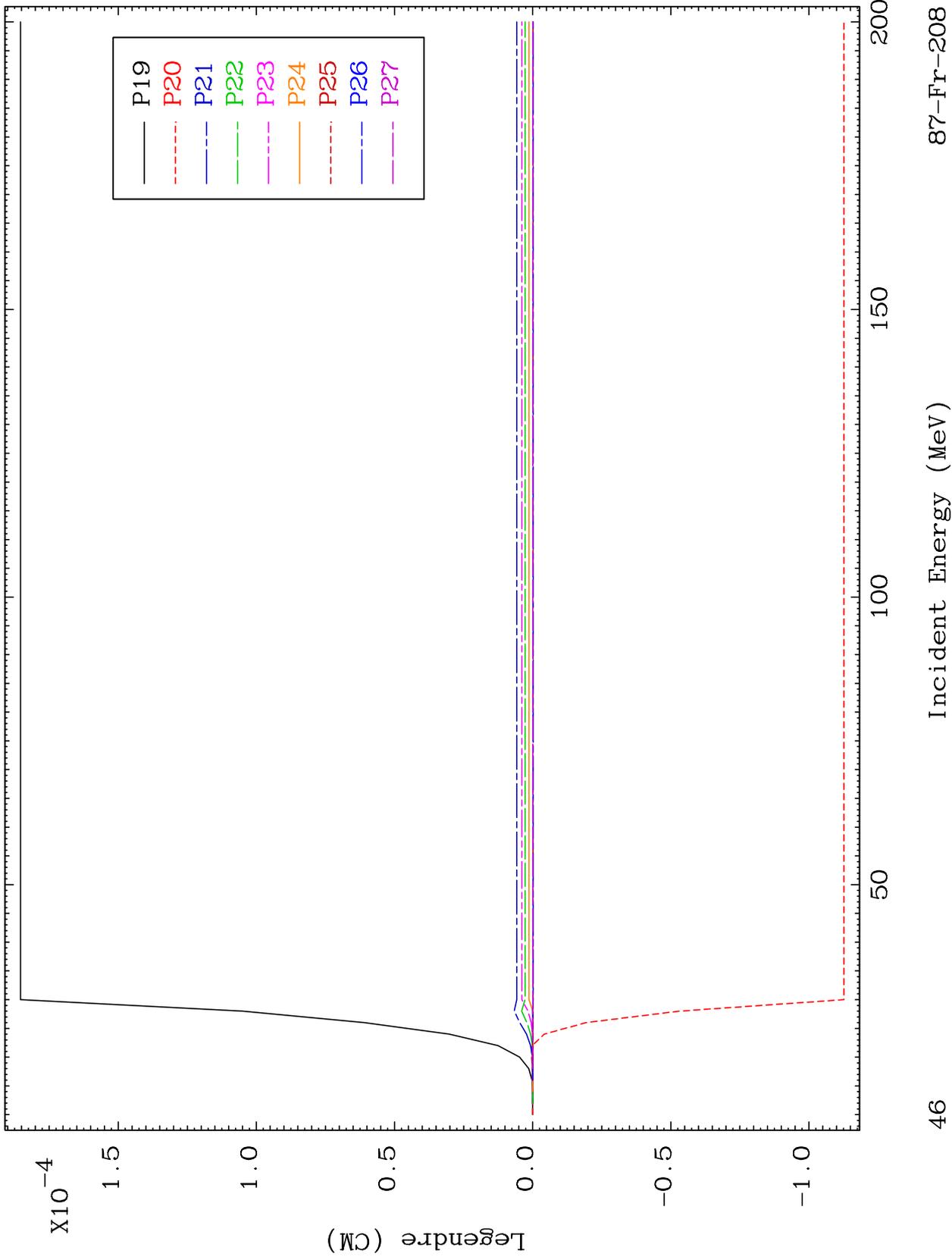
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87-Fr-208

Incident Energy (MeV)

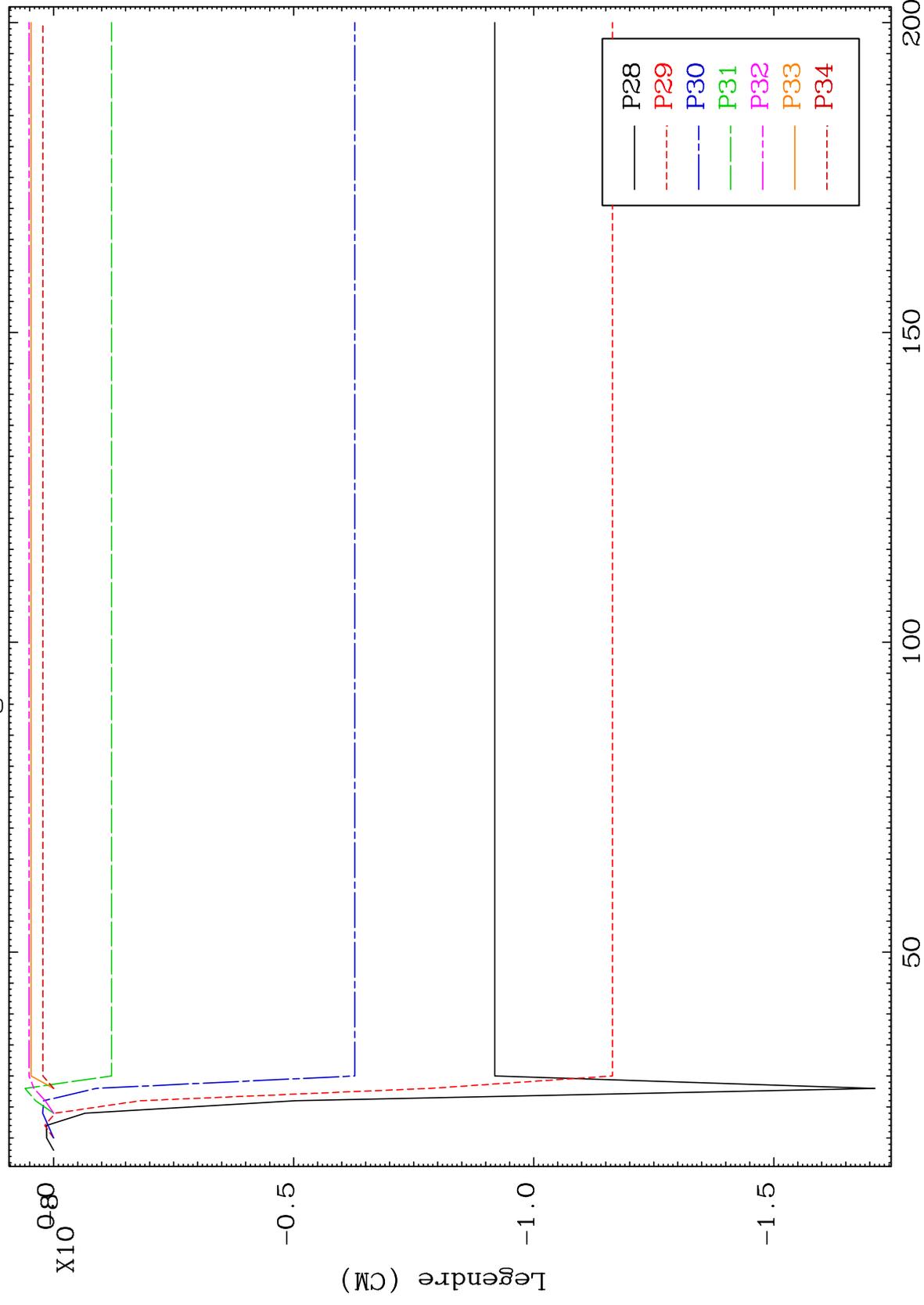
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MAT 8713

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

87-Fr-208



47

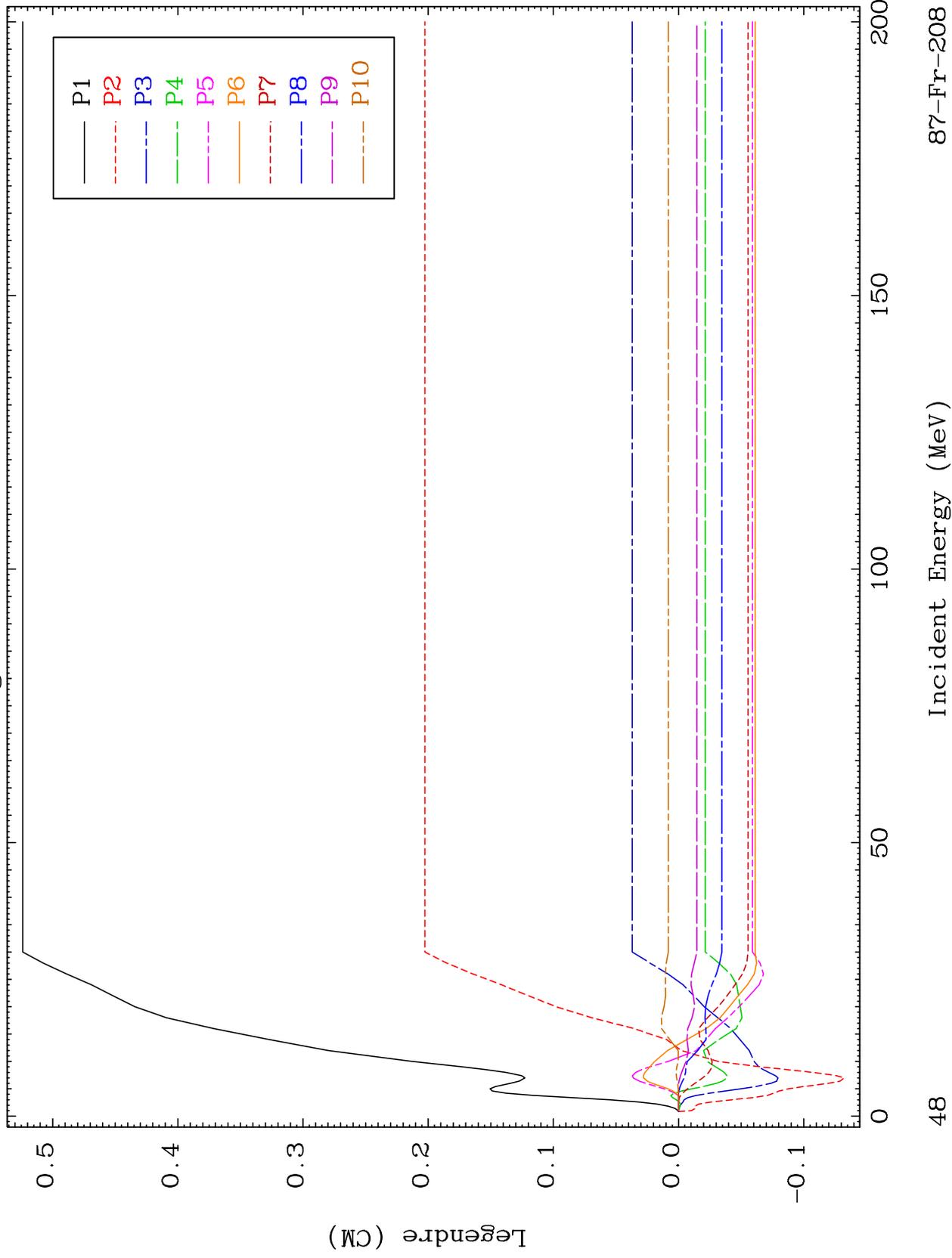
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



87-Fr-208

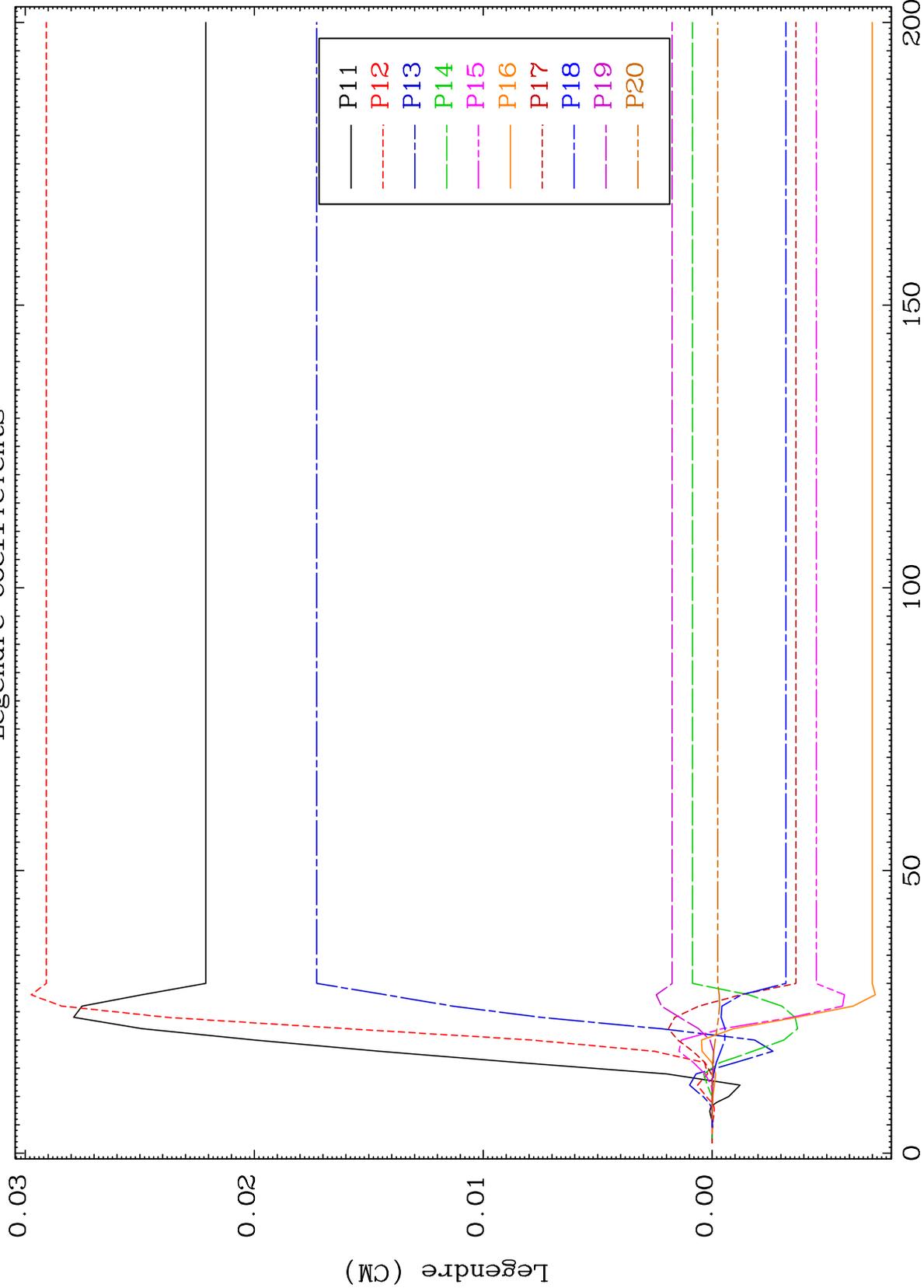
Incident Energy (MeV)

48

MAT 8713

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

87-Fr-208



49

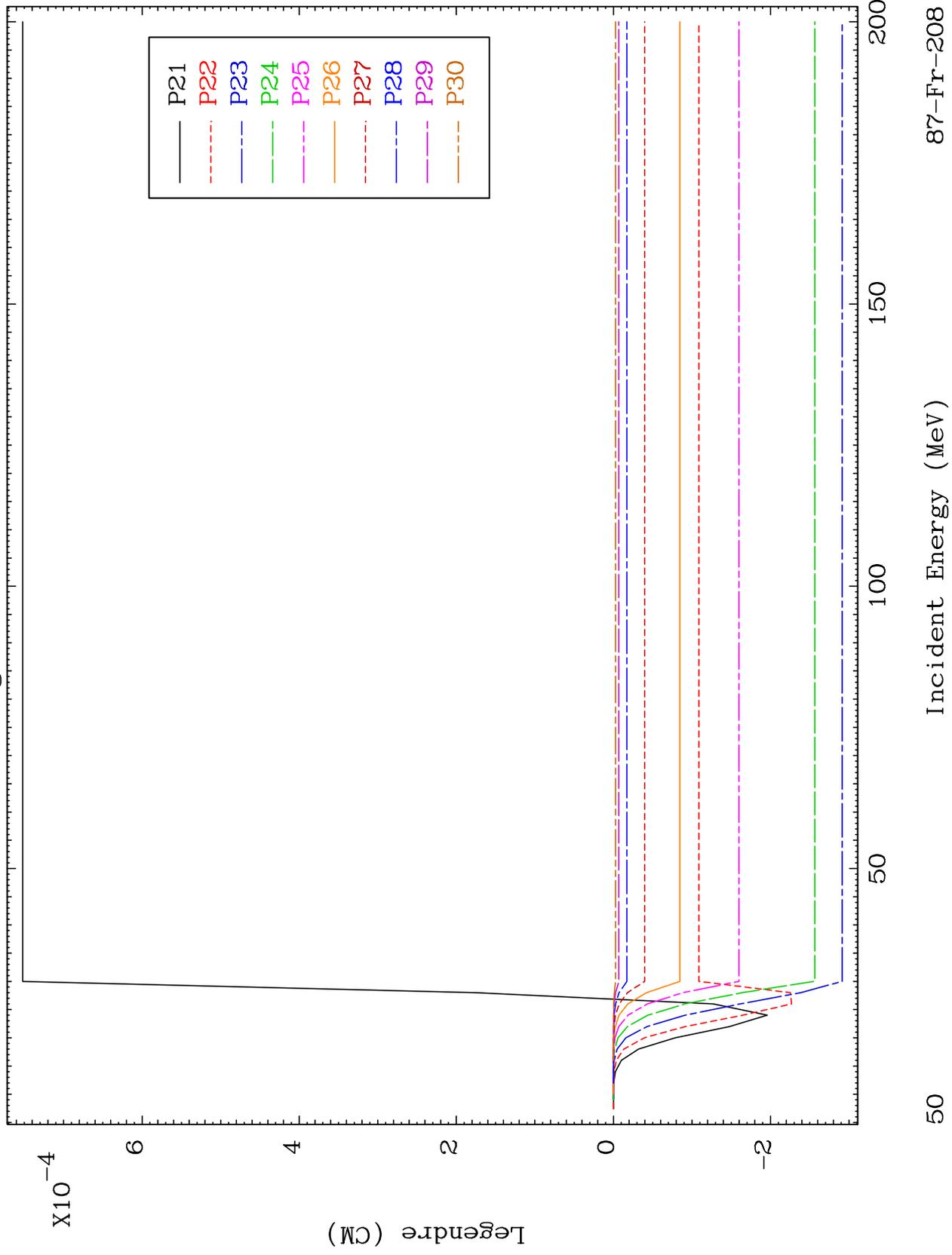
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

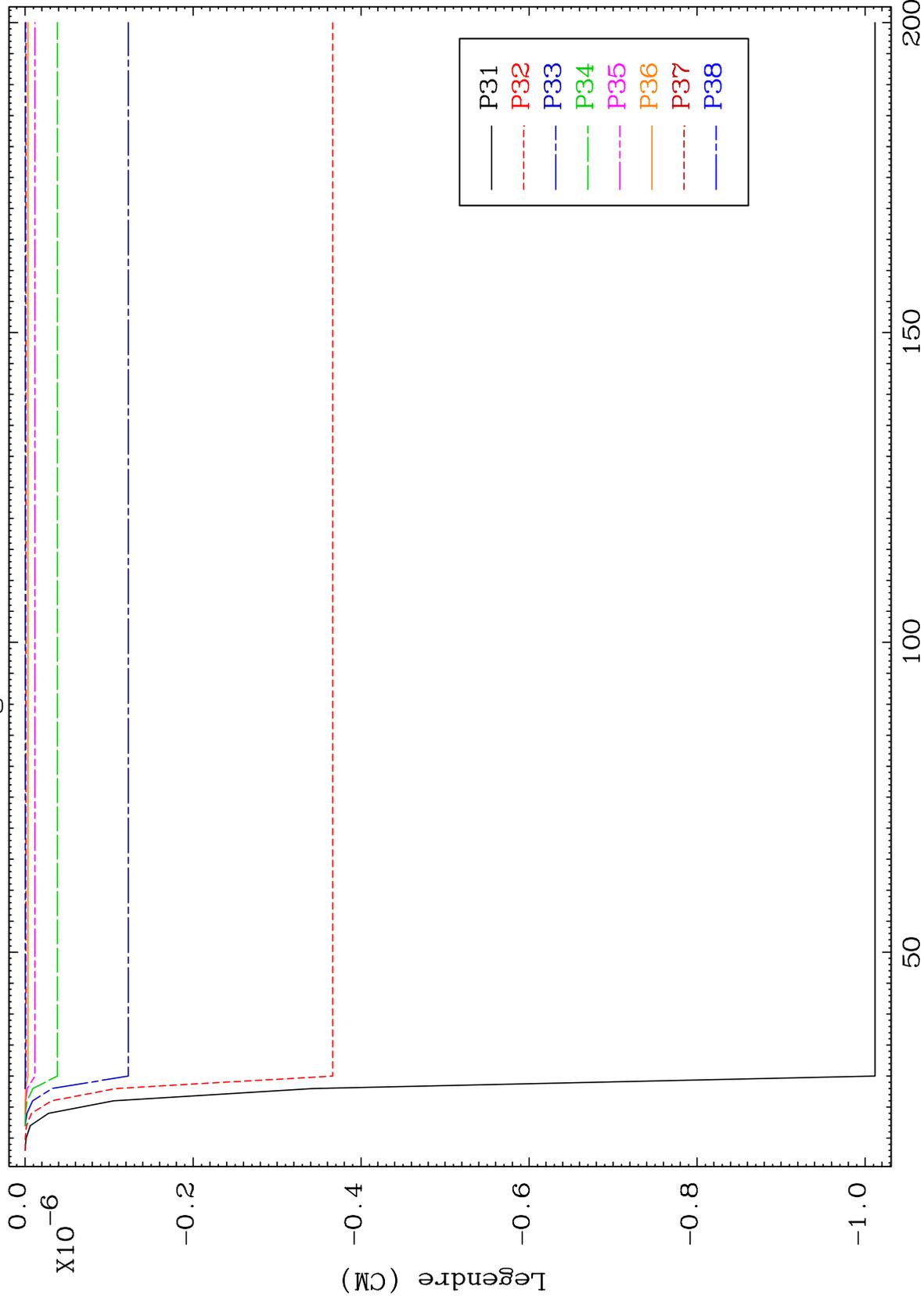
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MAT 8713

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

87-Fr-208



51

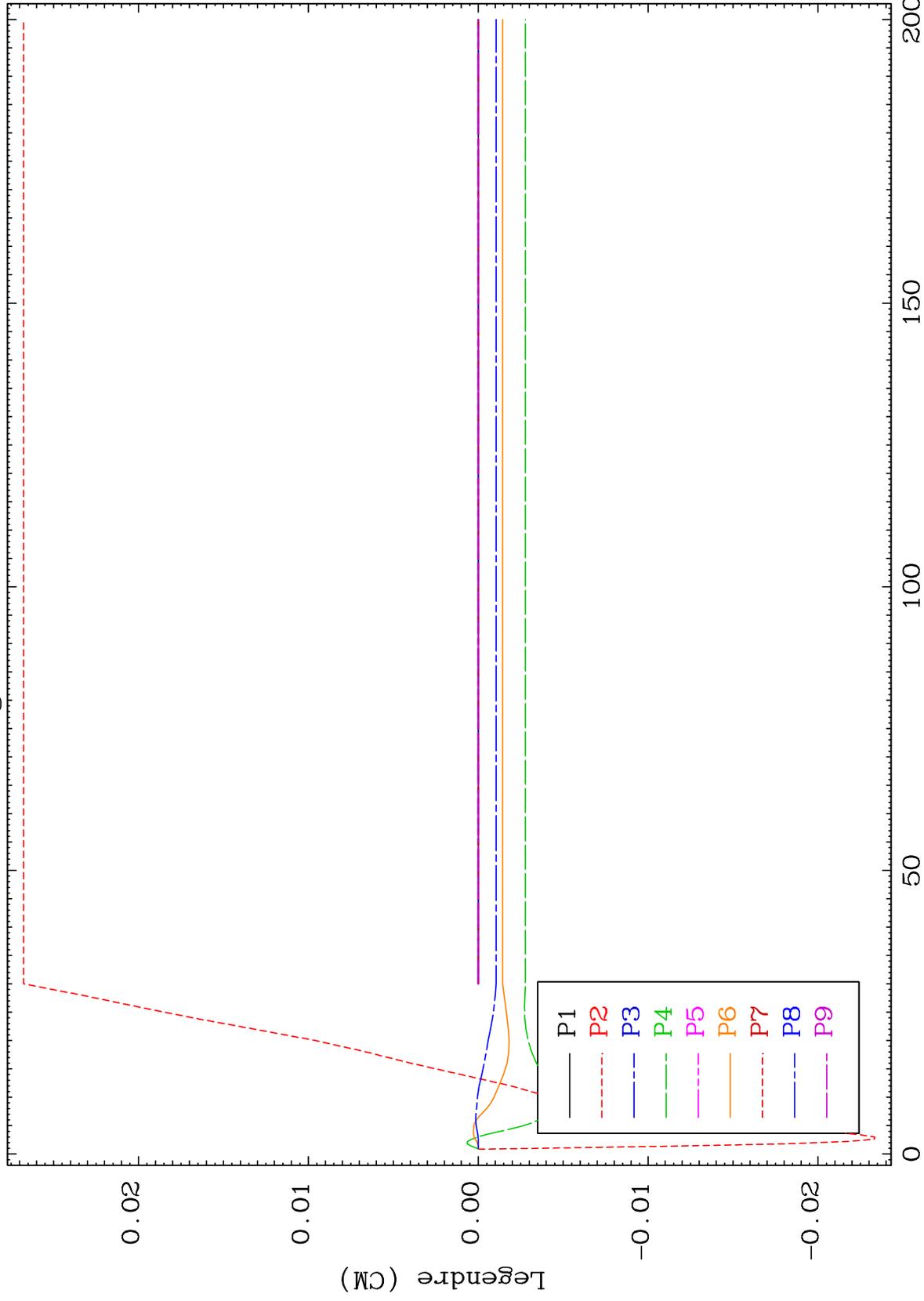
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

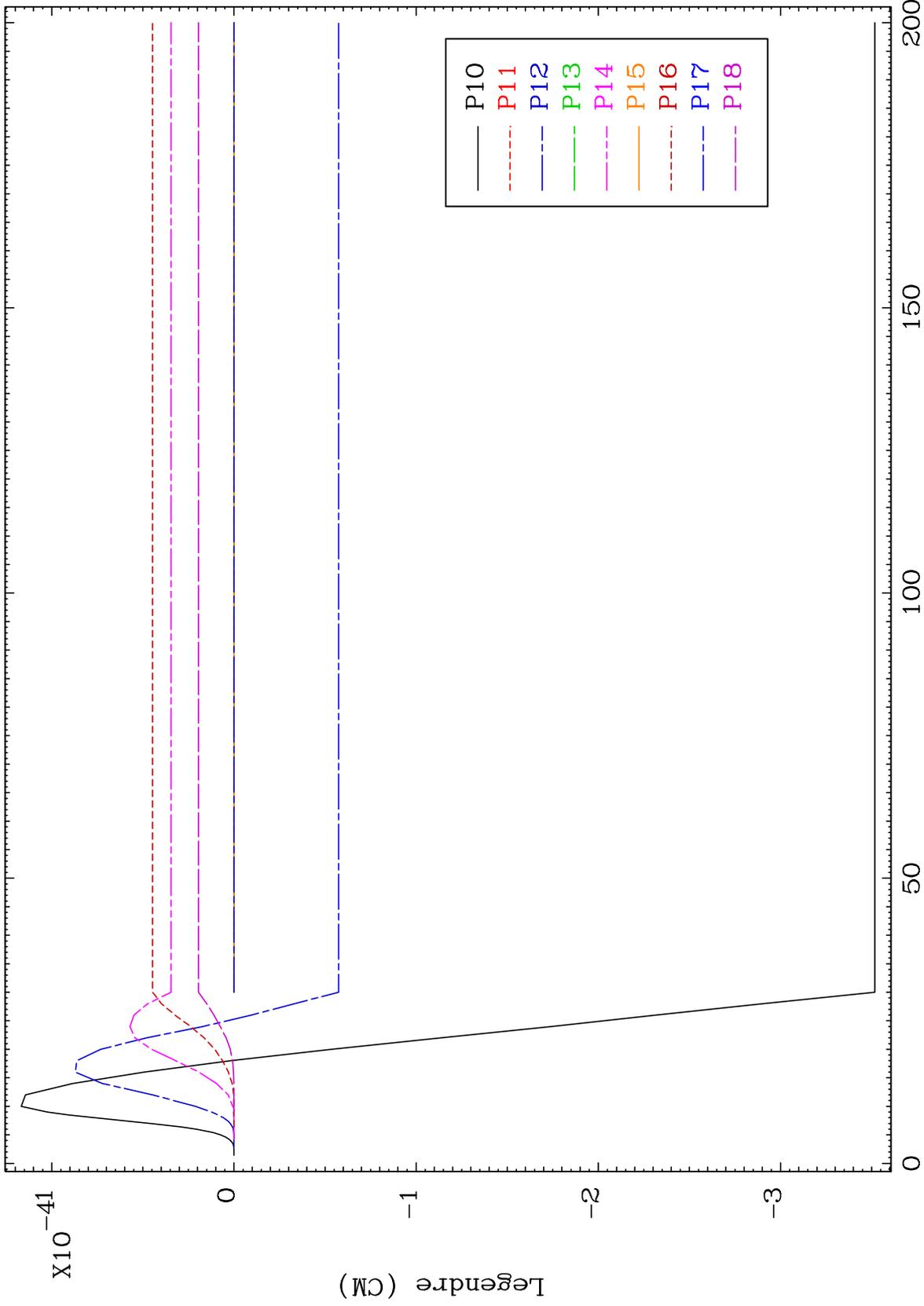
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52

Incident Energy (MeV)

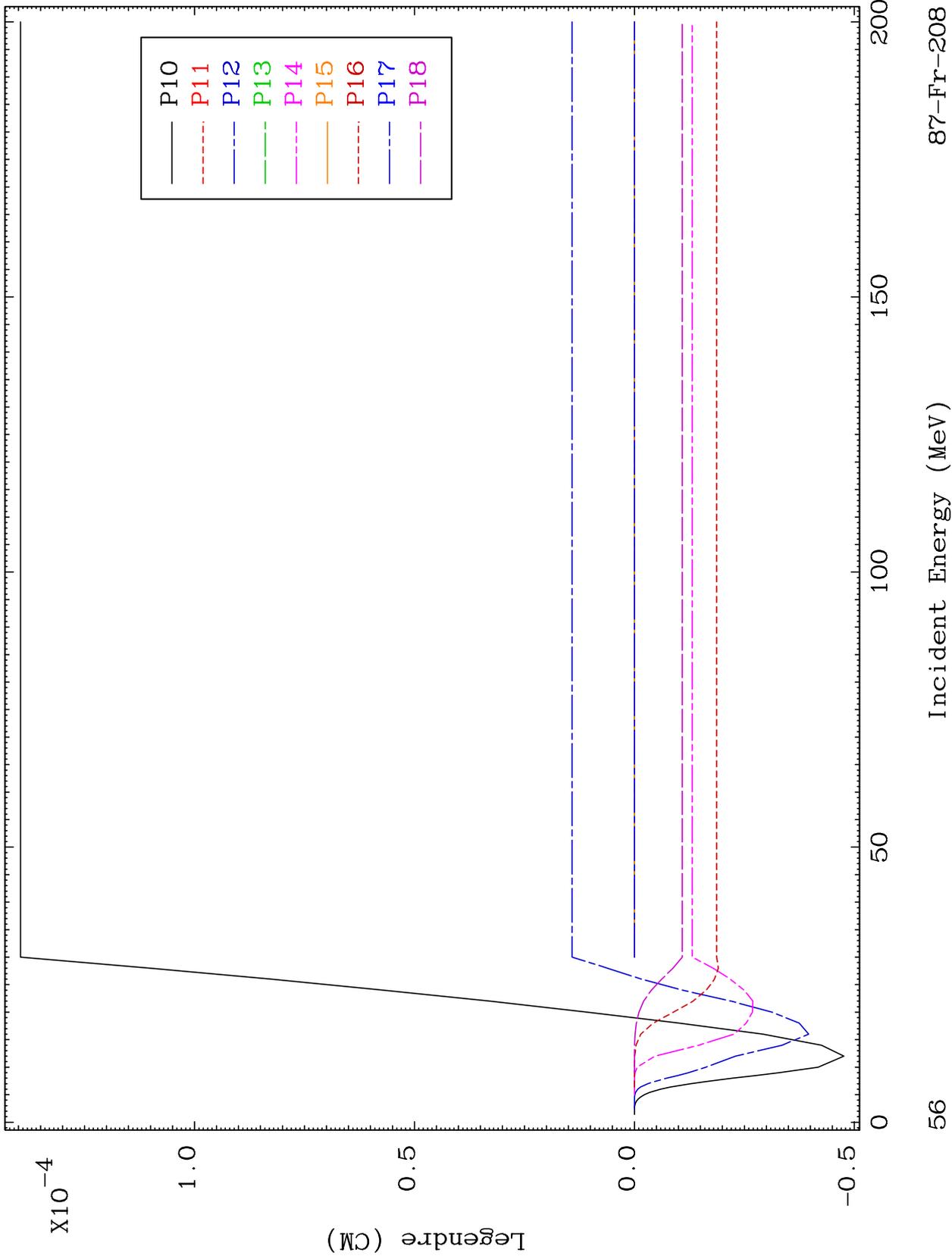
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MAT 8713

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

87-Fr-208



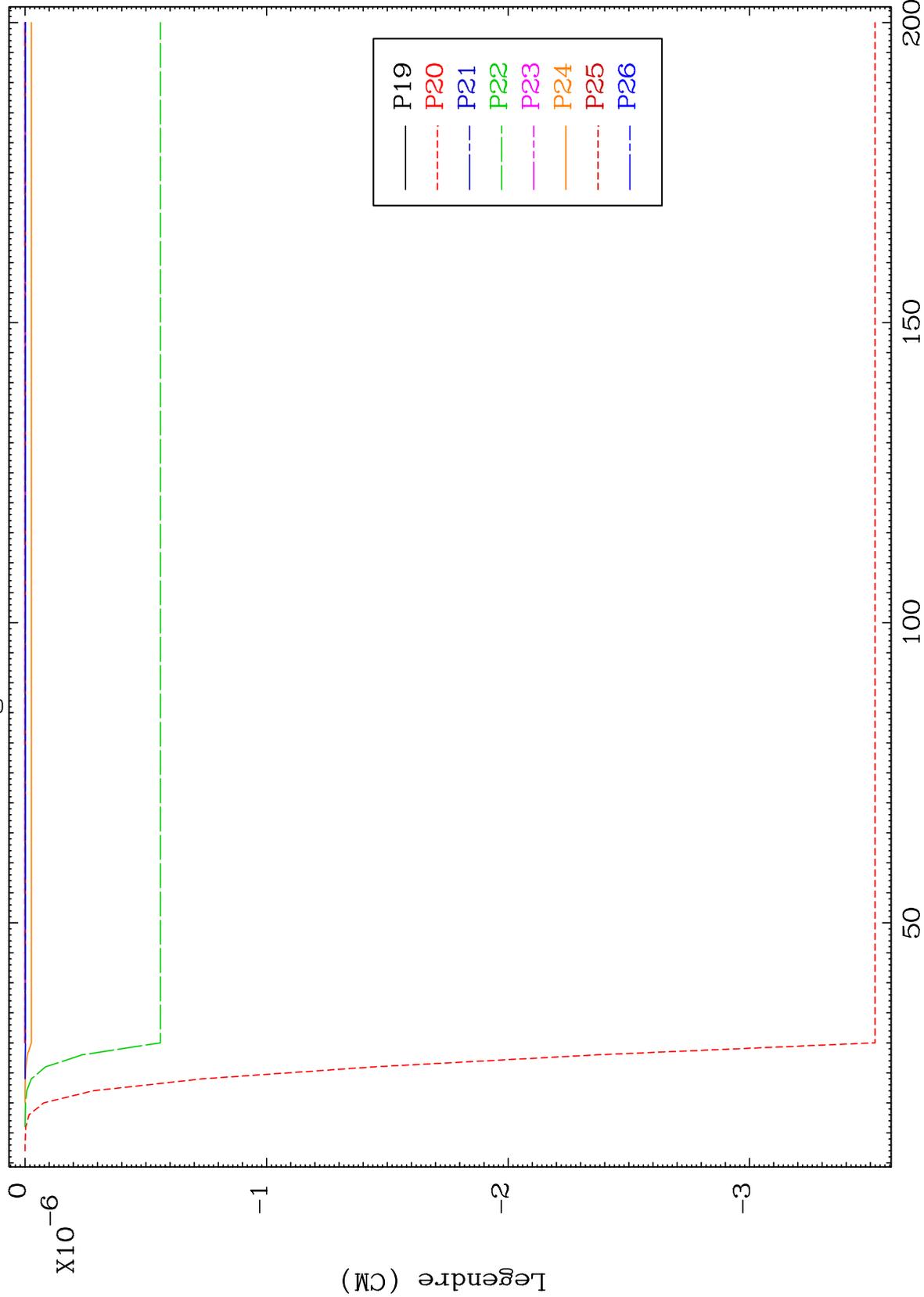
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87-Fr-208

MAT 8713

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

87-Fr-208



87-Fr-208

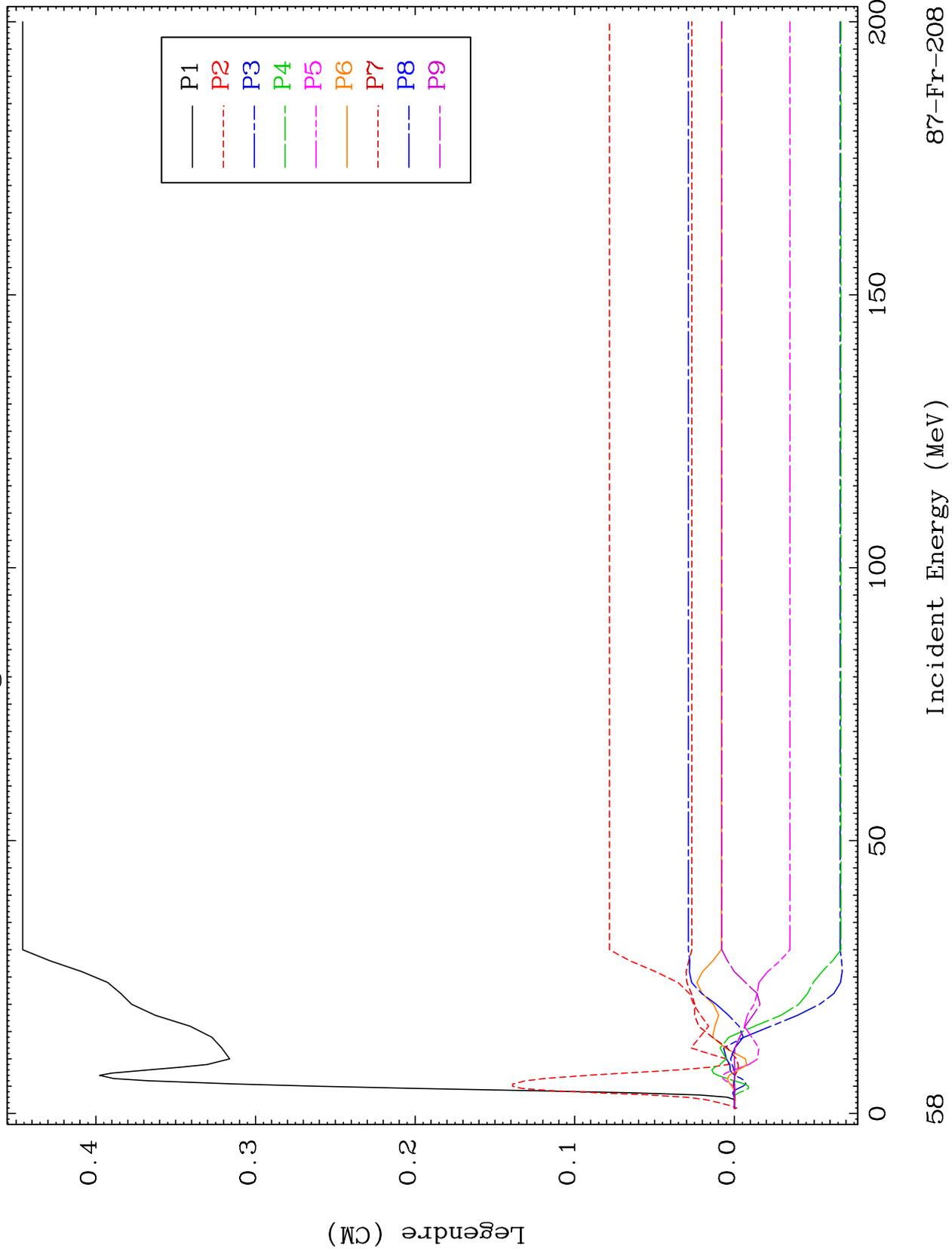
Incident Energy (MeV)

57

MAT 8713

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

87-Fr-208



87-Fr-208

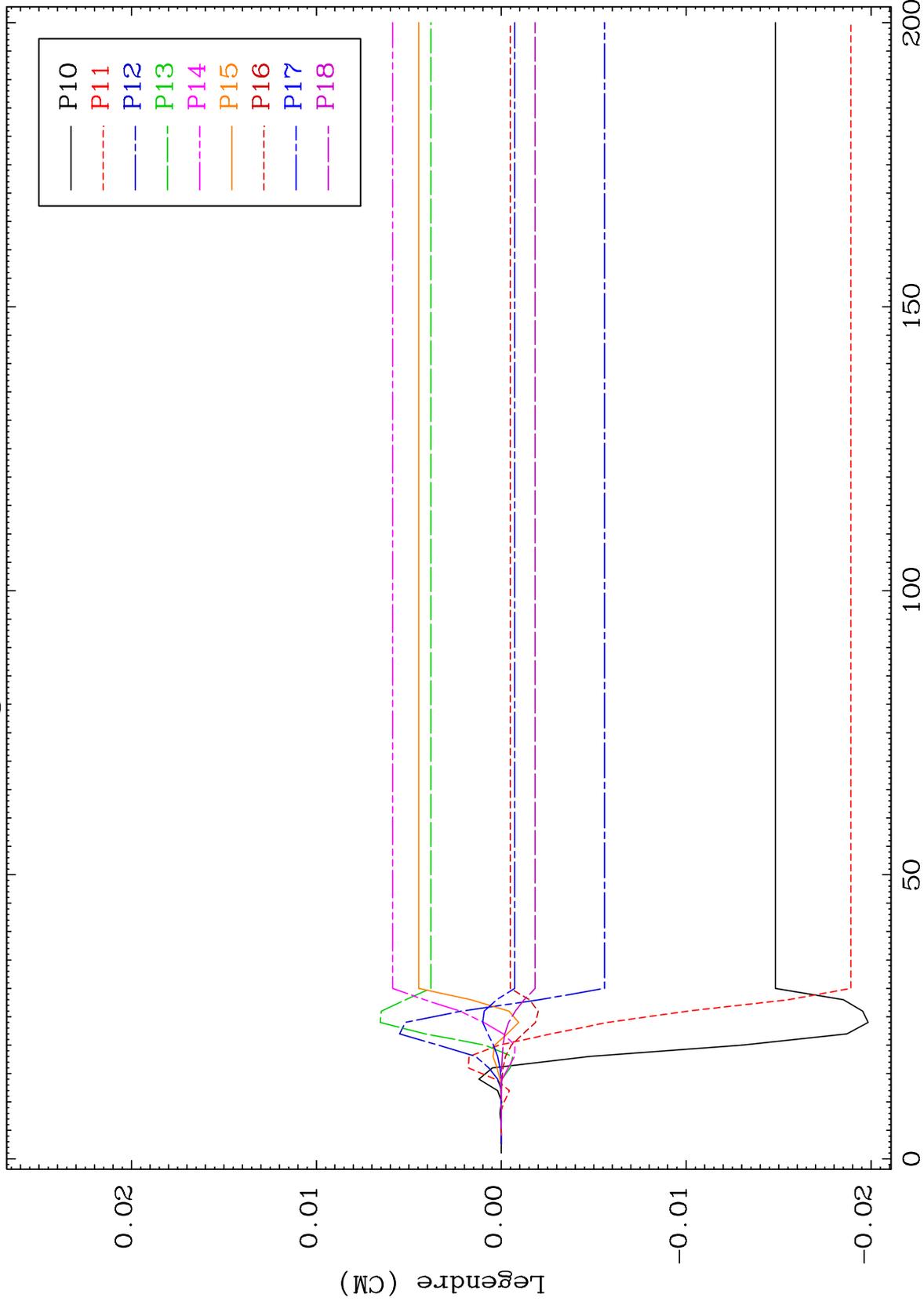
Incident Energy (MeV)

58

MAT 8713

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

87-Fr-208



59

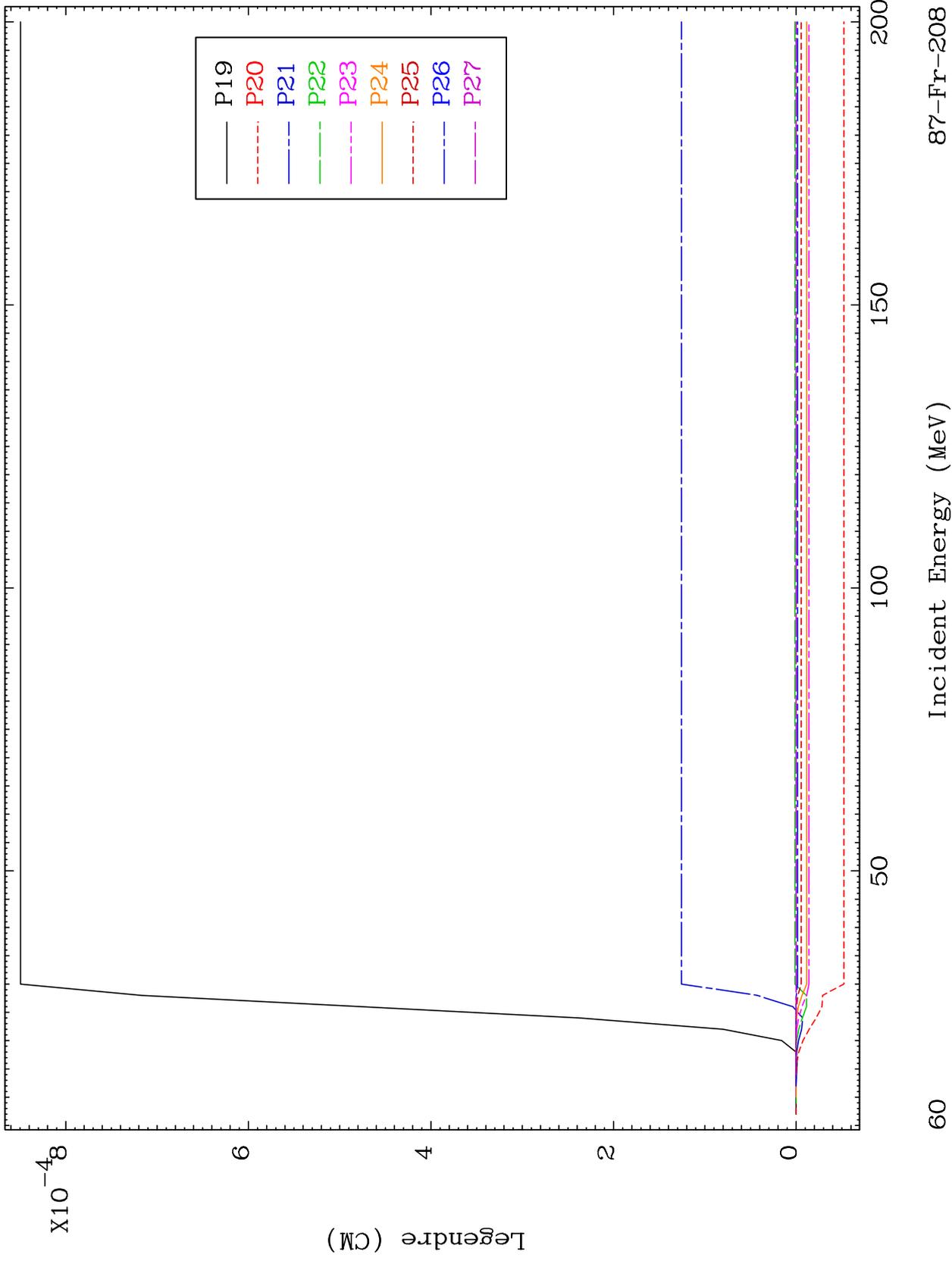
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

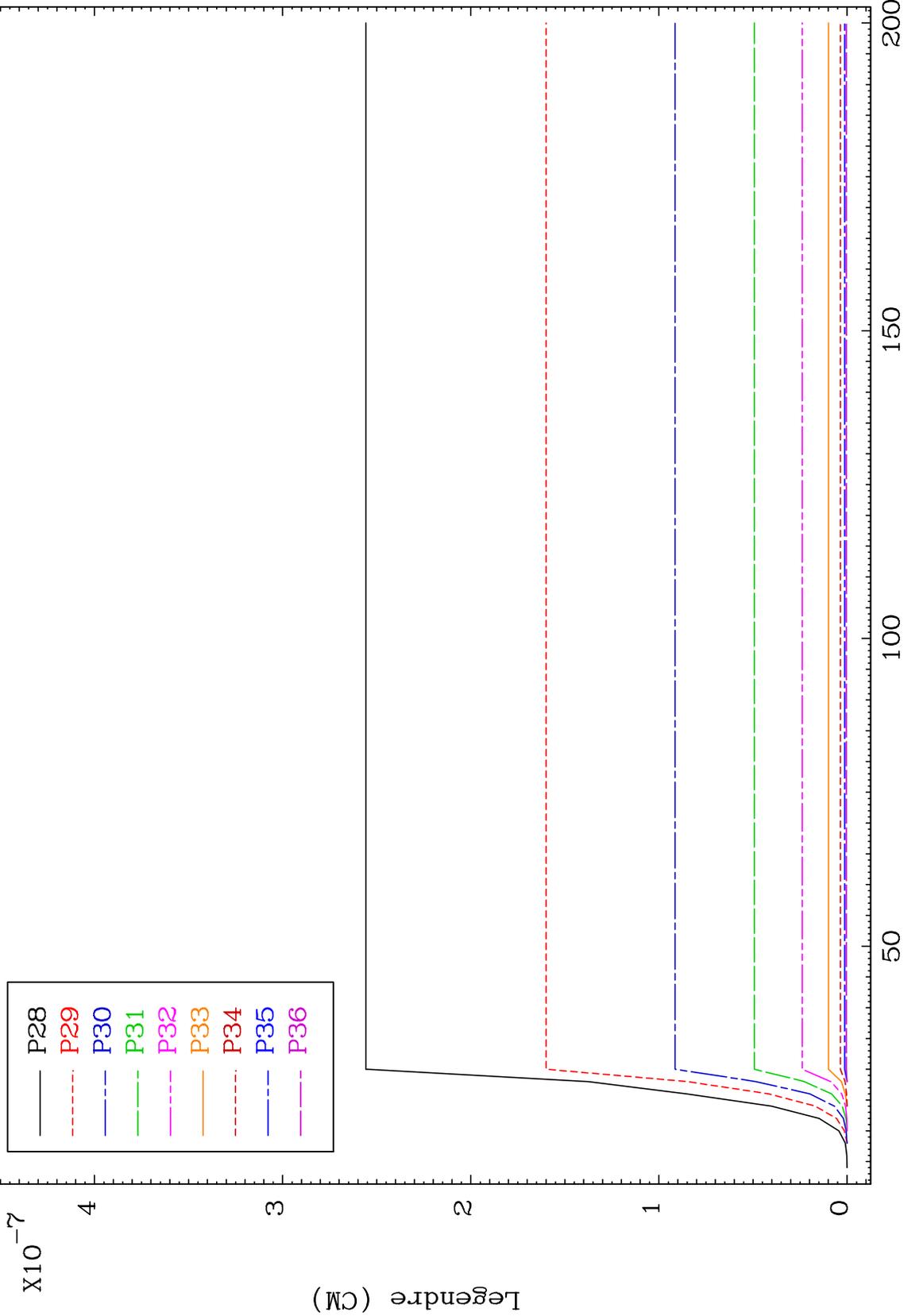
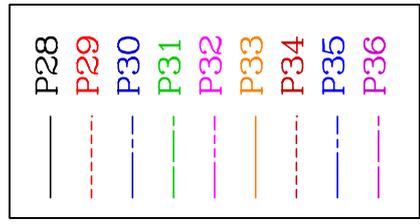
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MAT 8713

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

87-Fr-208



61

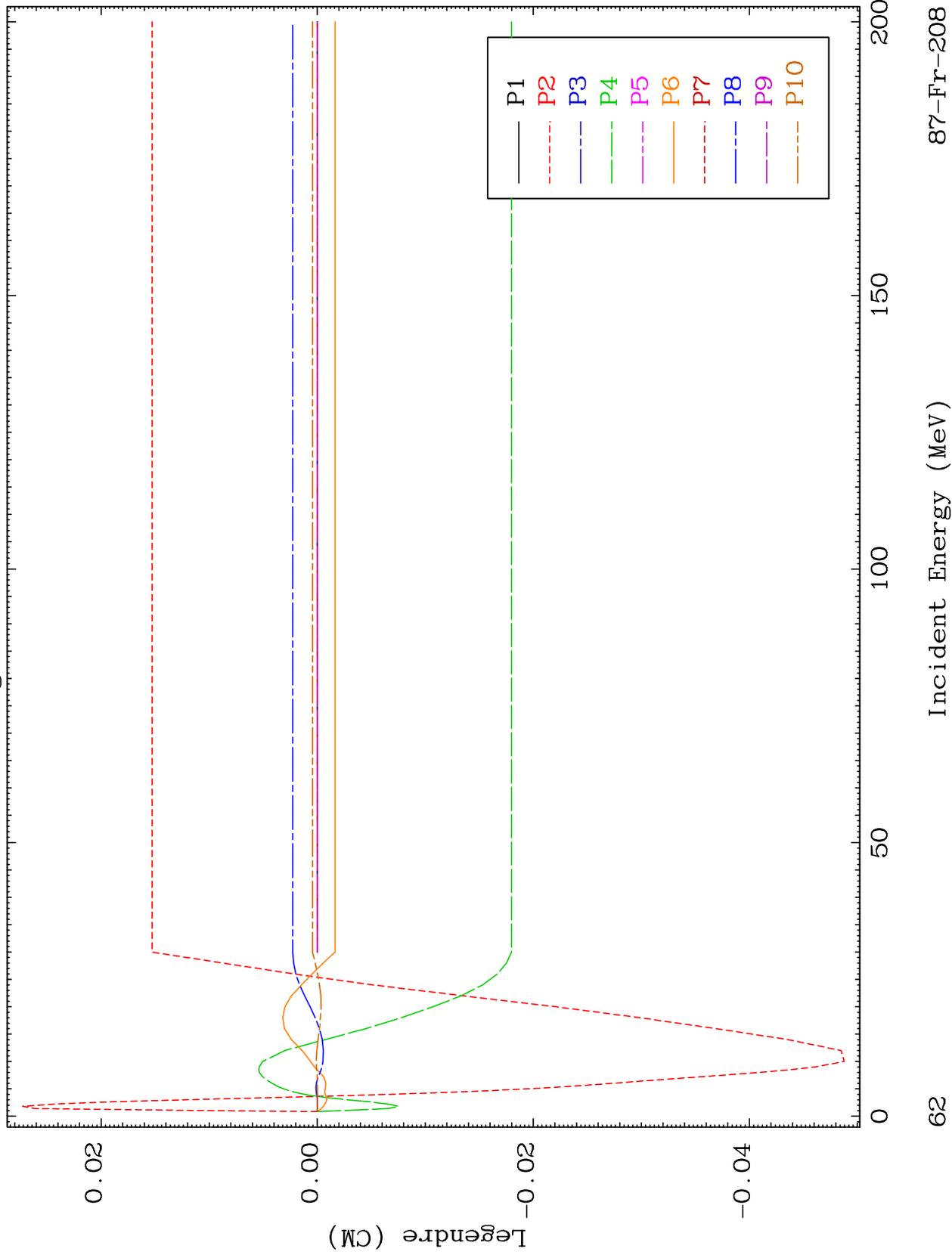
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



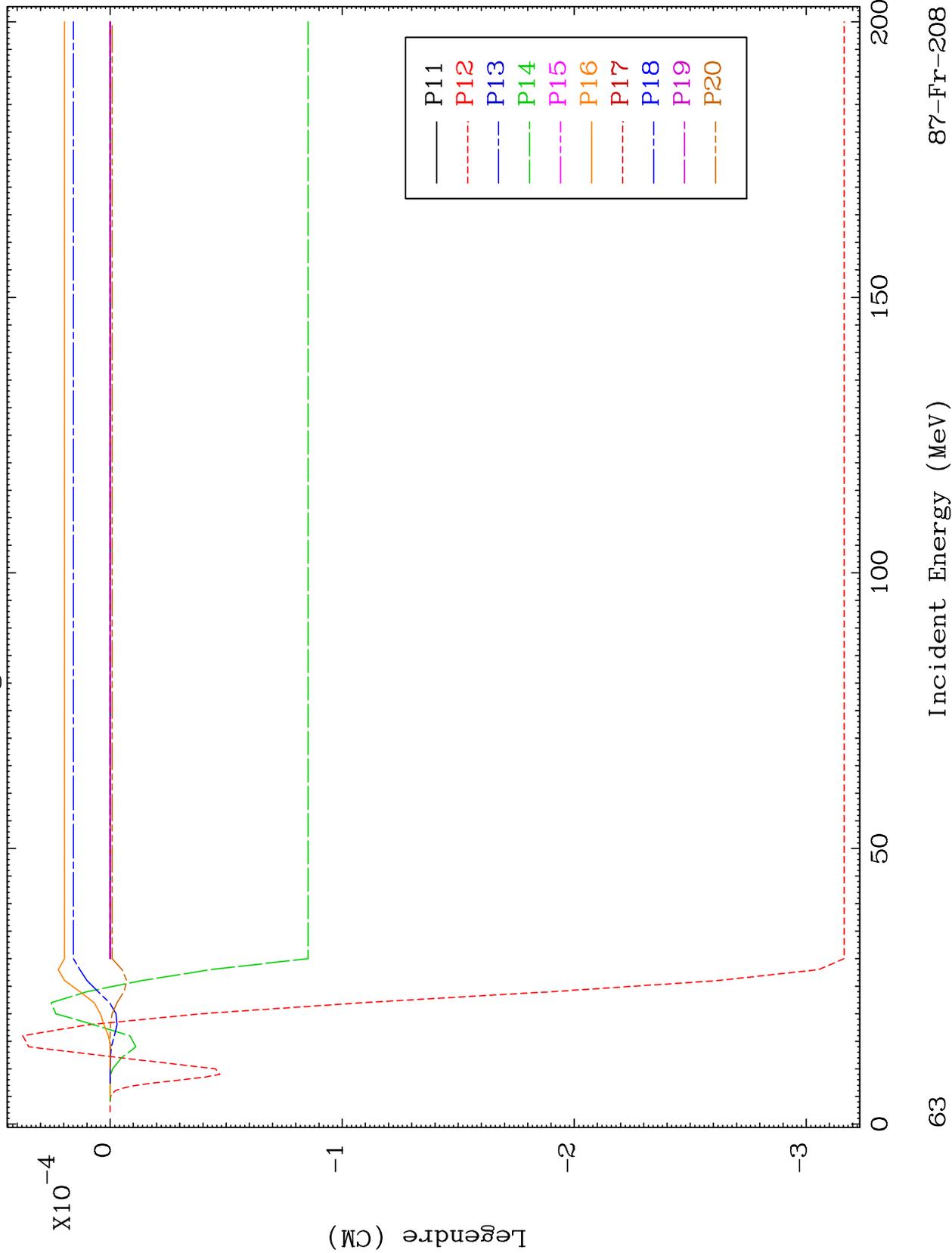
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87-Fr-208

MAT 8713

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

87-Fr-208



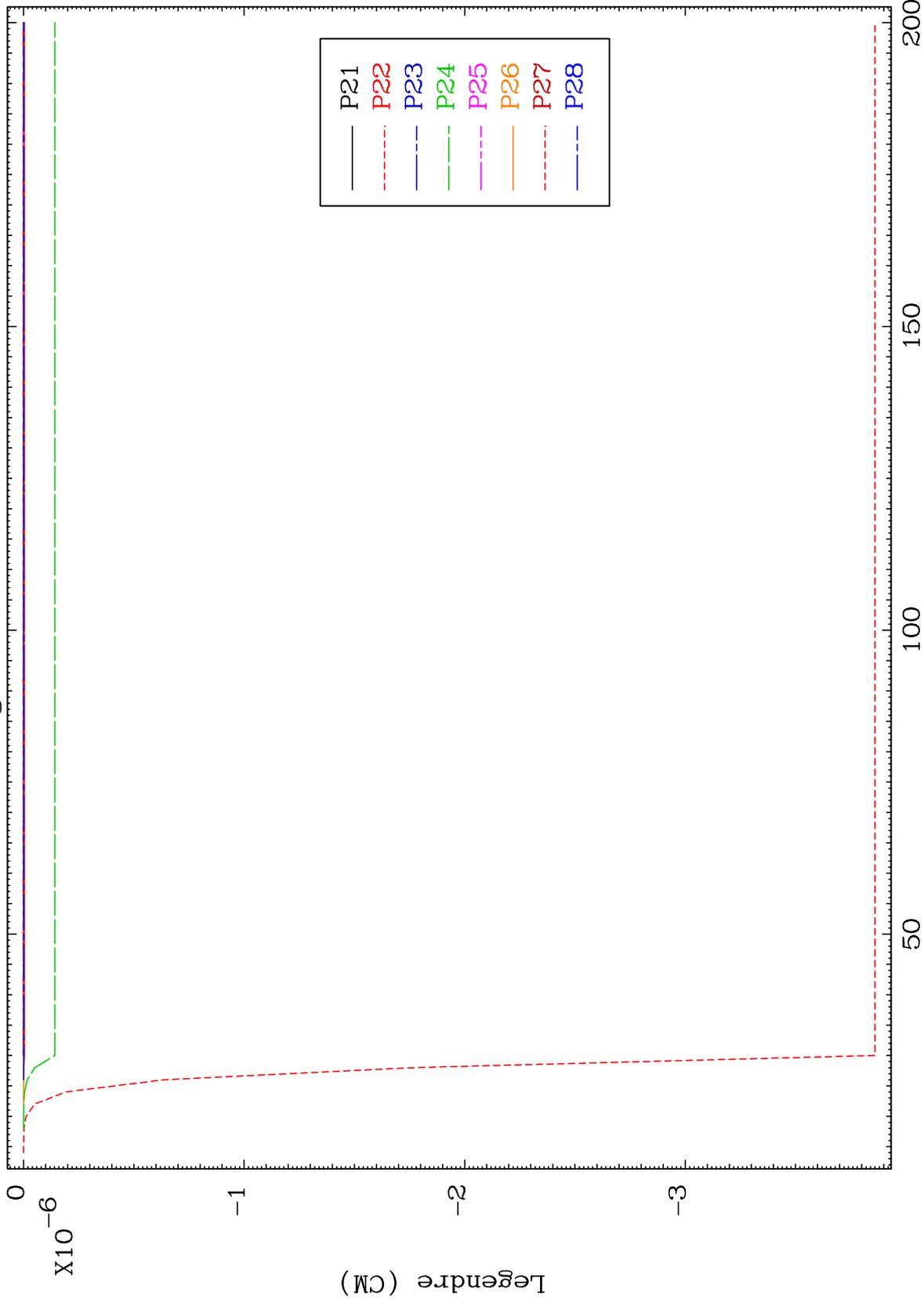
63

87-Fr-208

MAT 8713

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

87-Fr-208



64

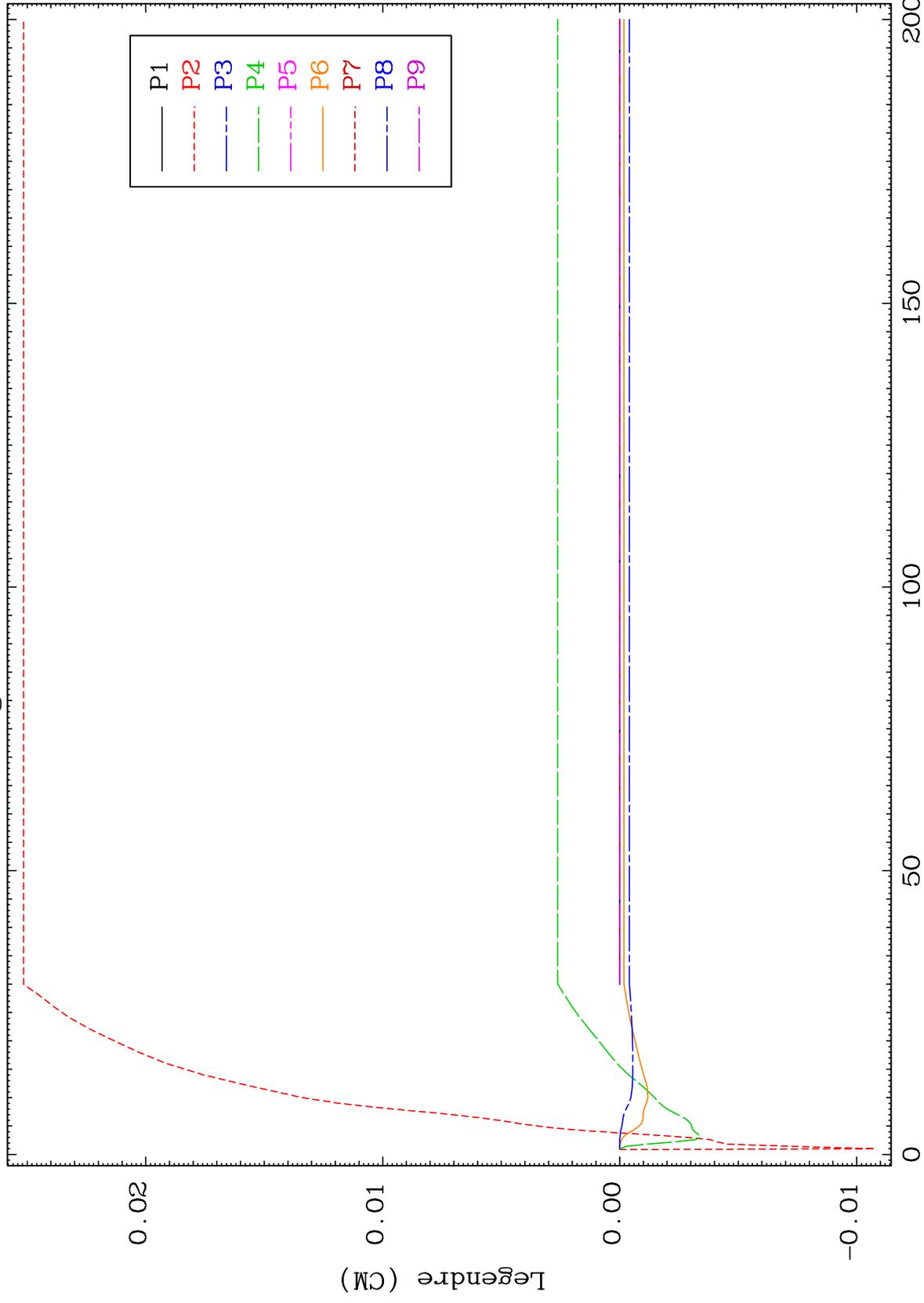
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



87-Fr-208

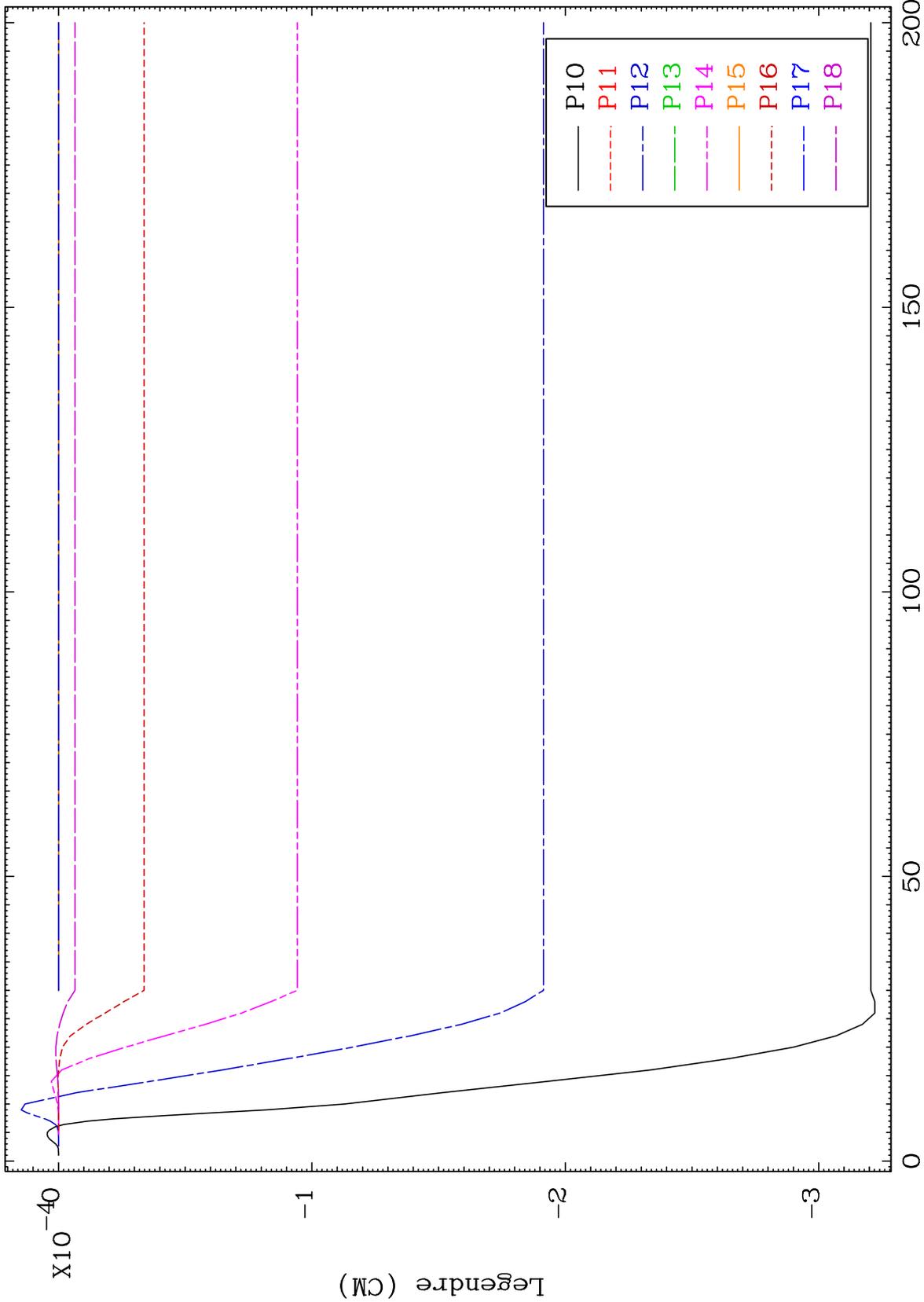
Incident Energy (MeV)

65

MAT 8713

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

87-Fr-208



66

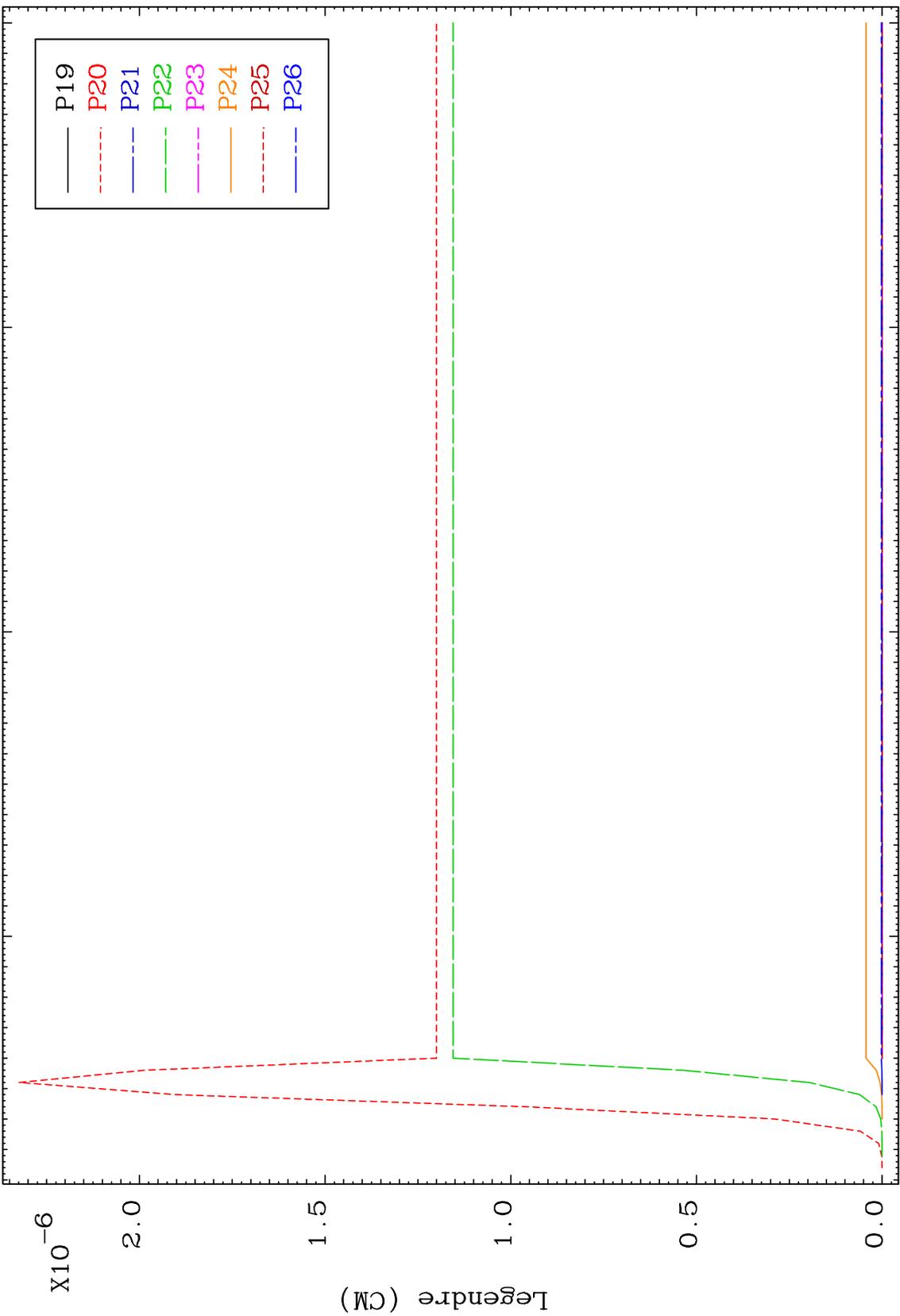
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



67

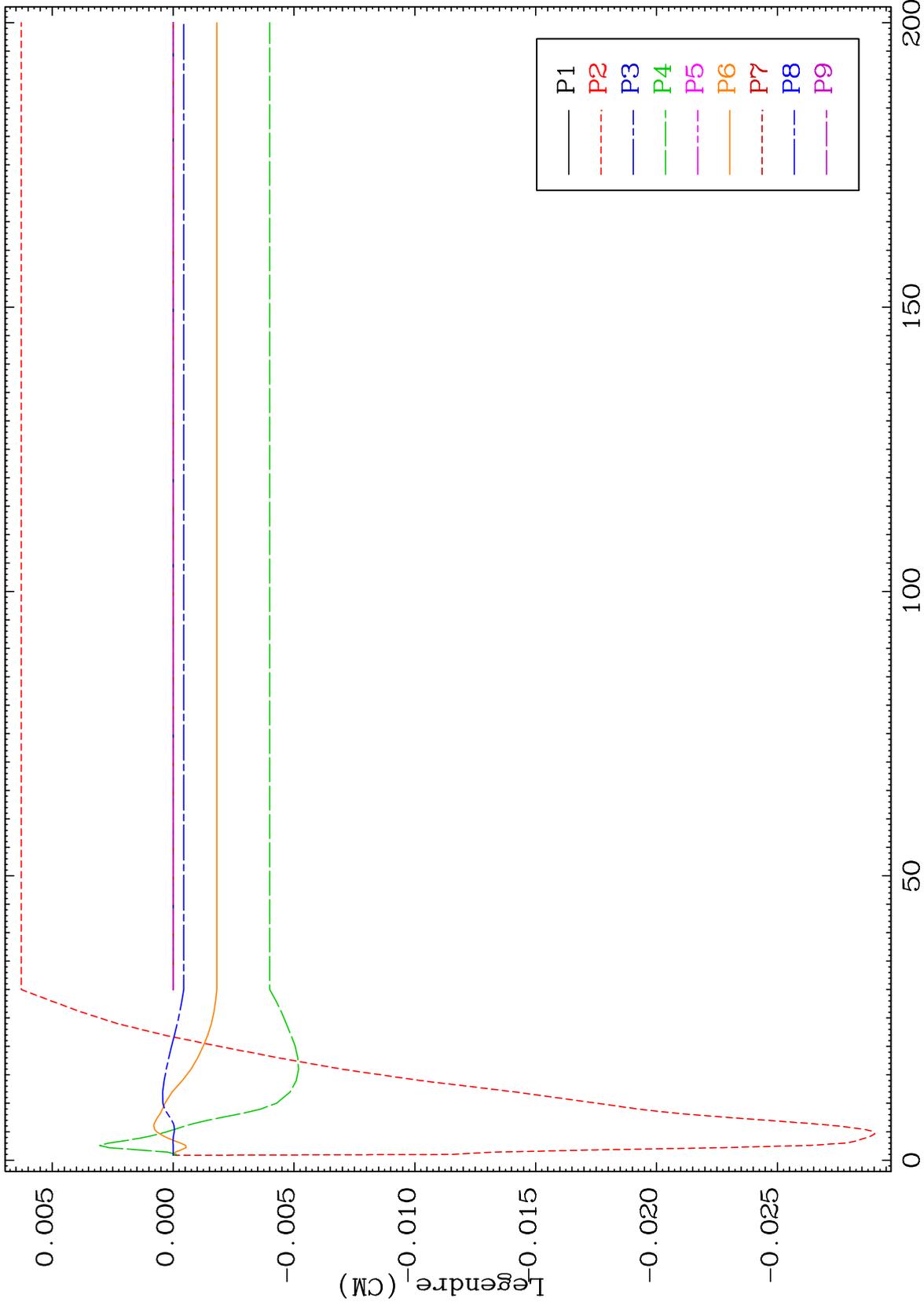
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



68

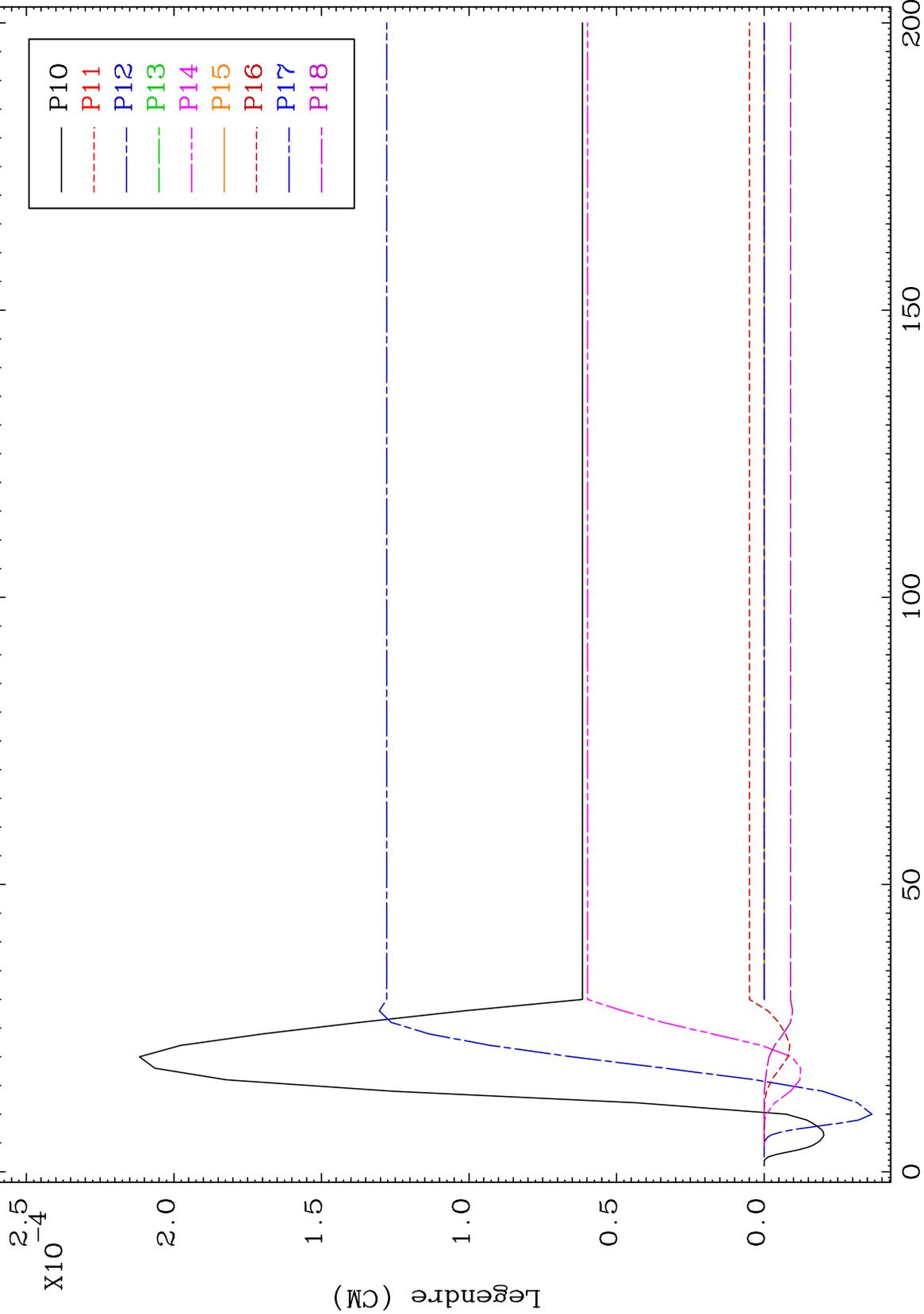
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



69

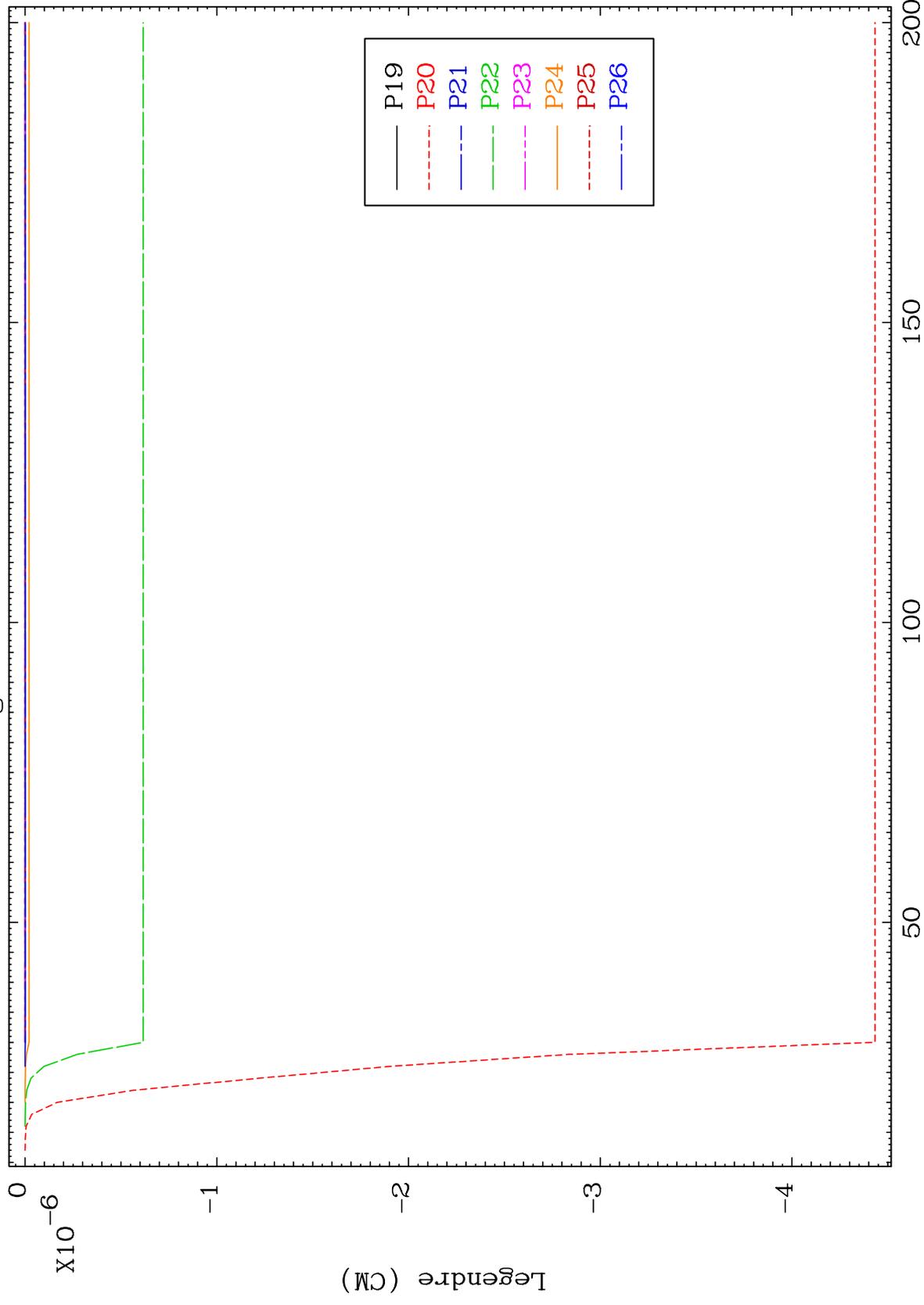
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



70

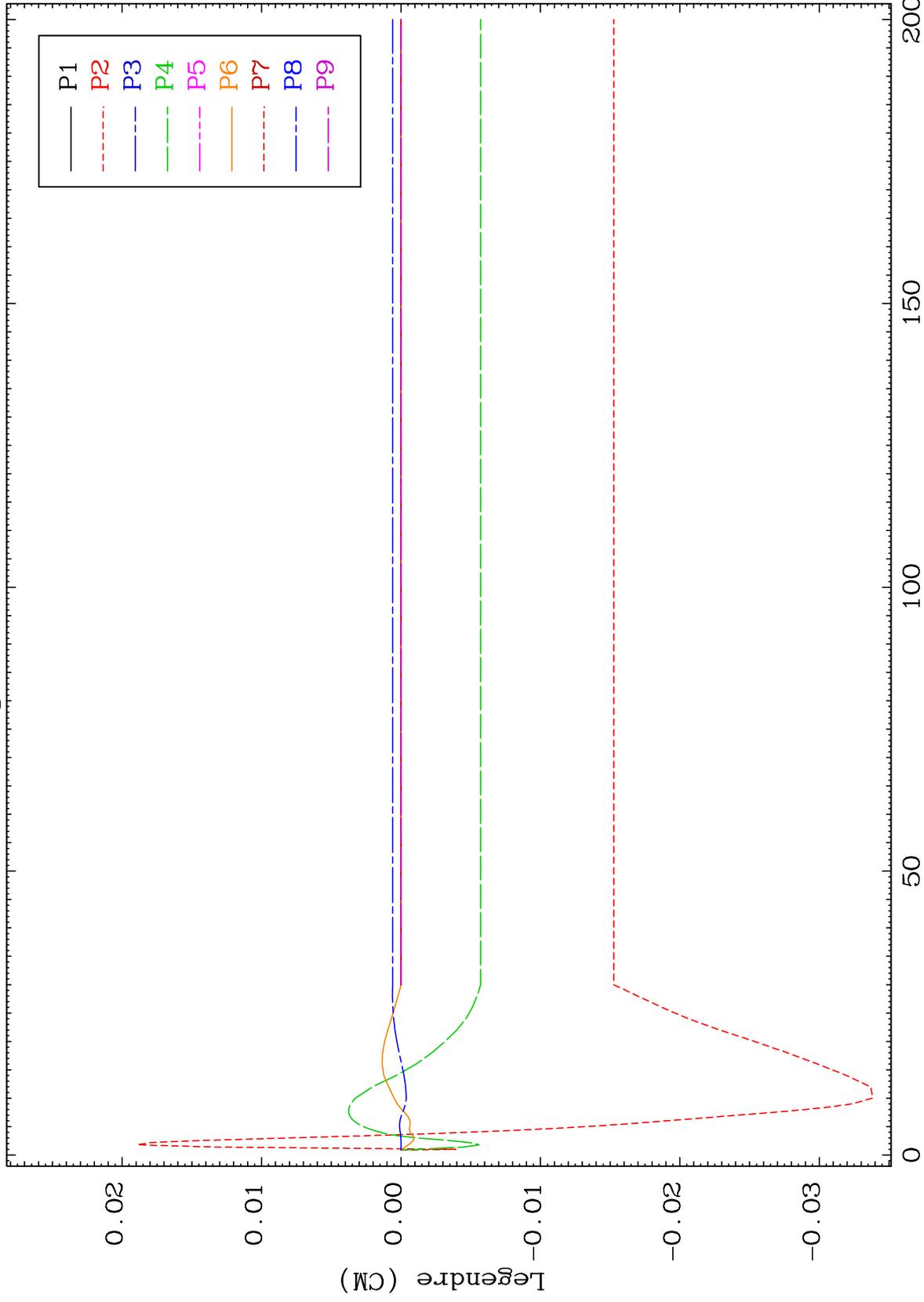
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



71

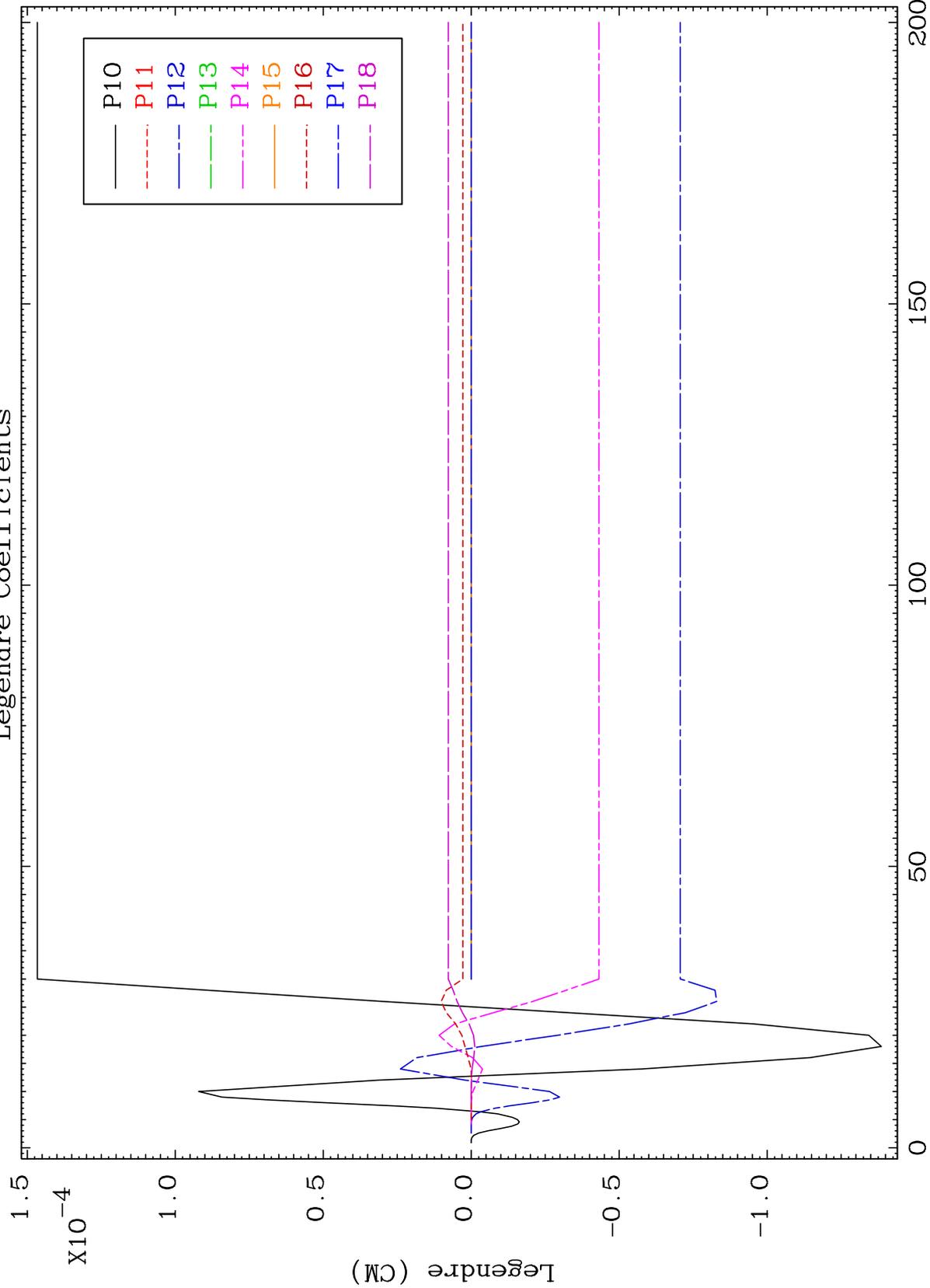
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



72

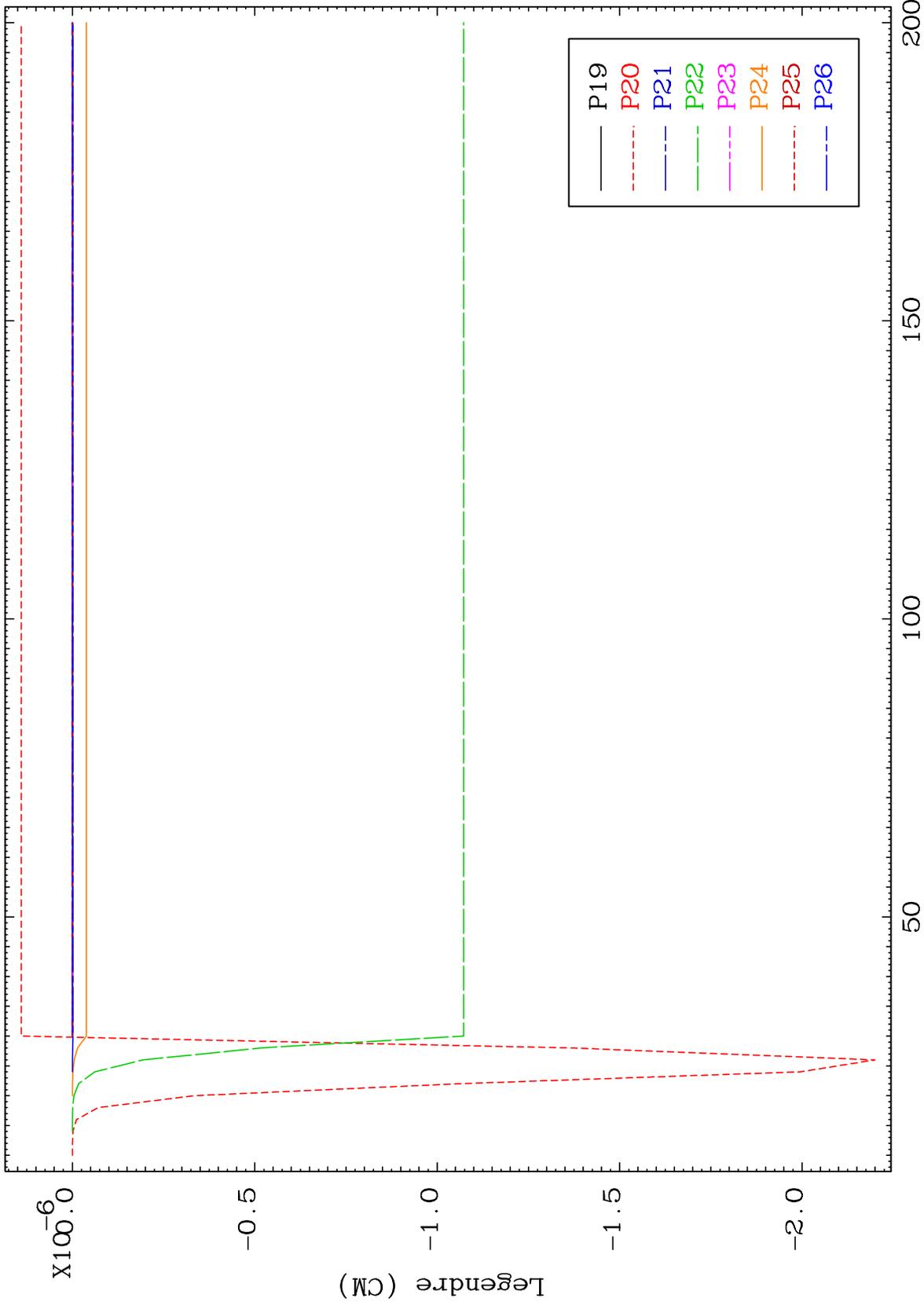
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



73

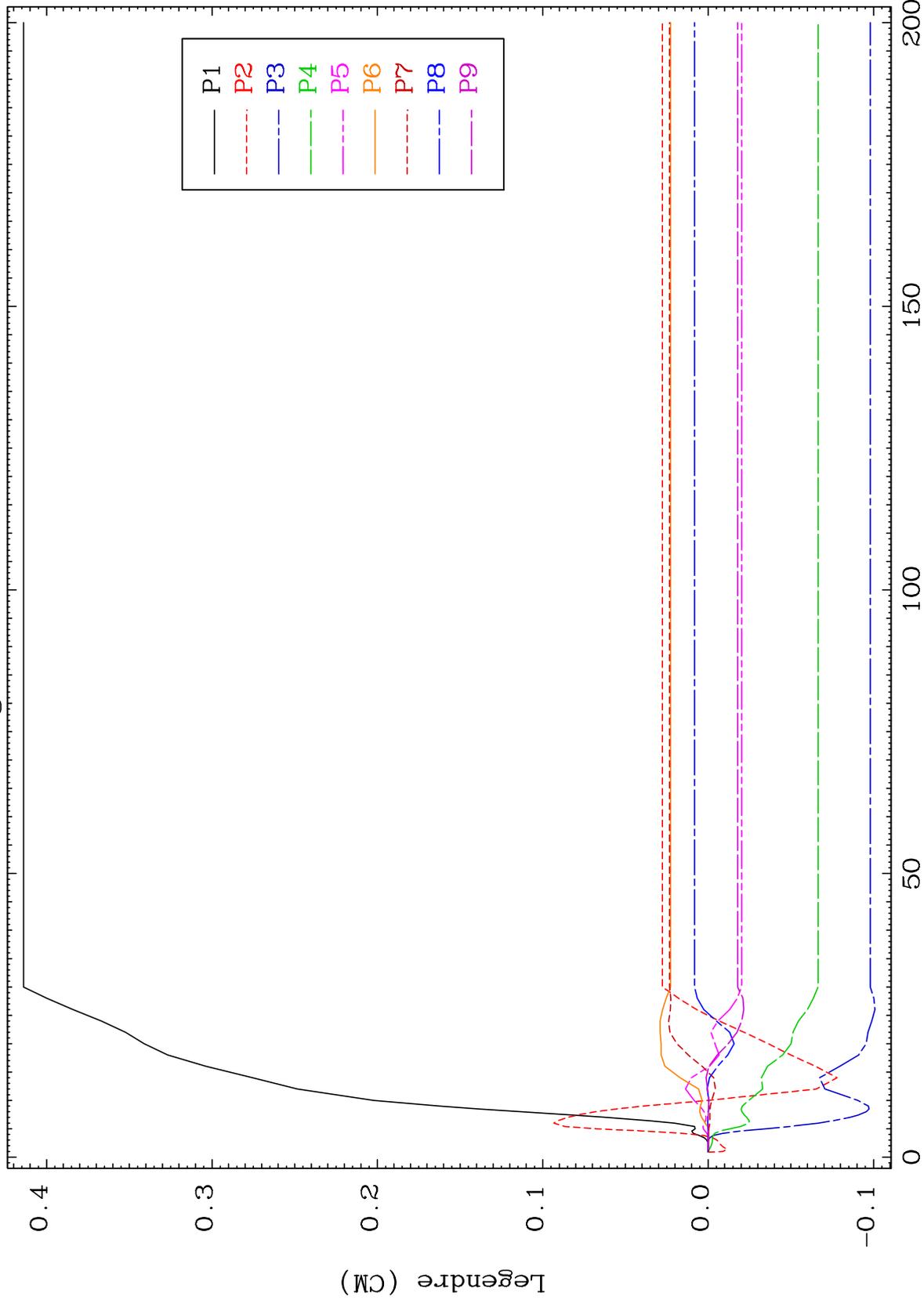
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



74

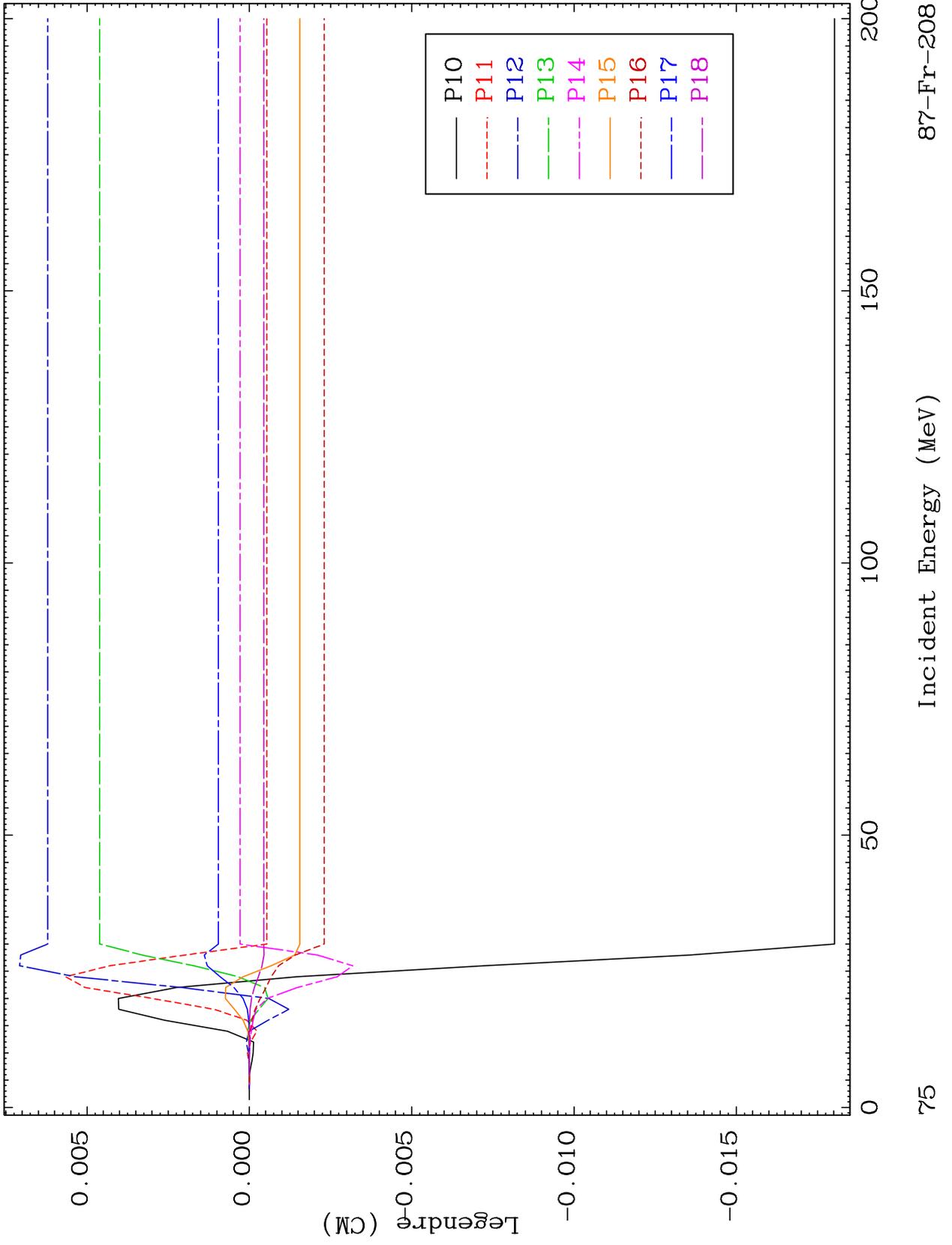
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



87-Fr-208

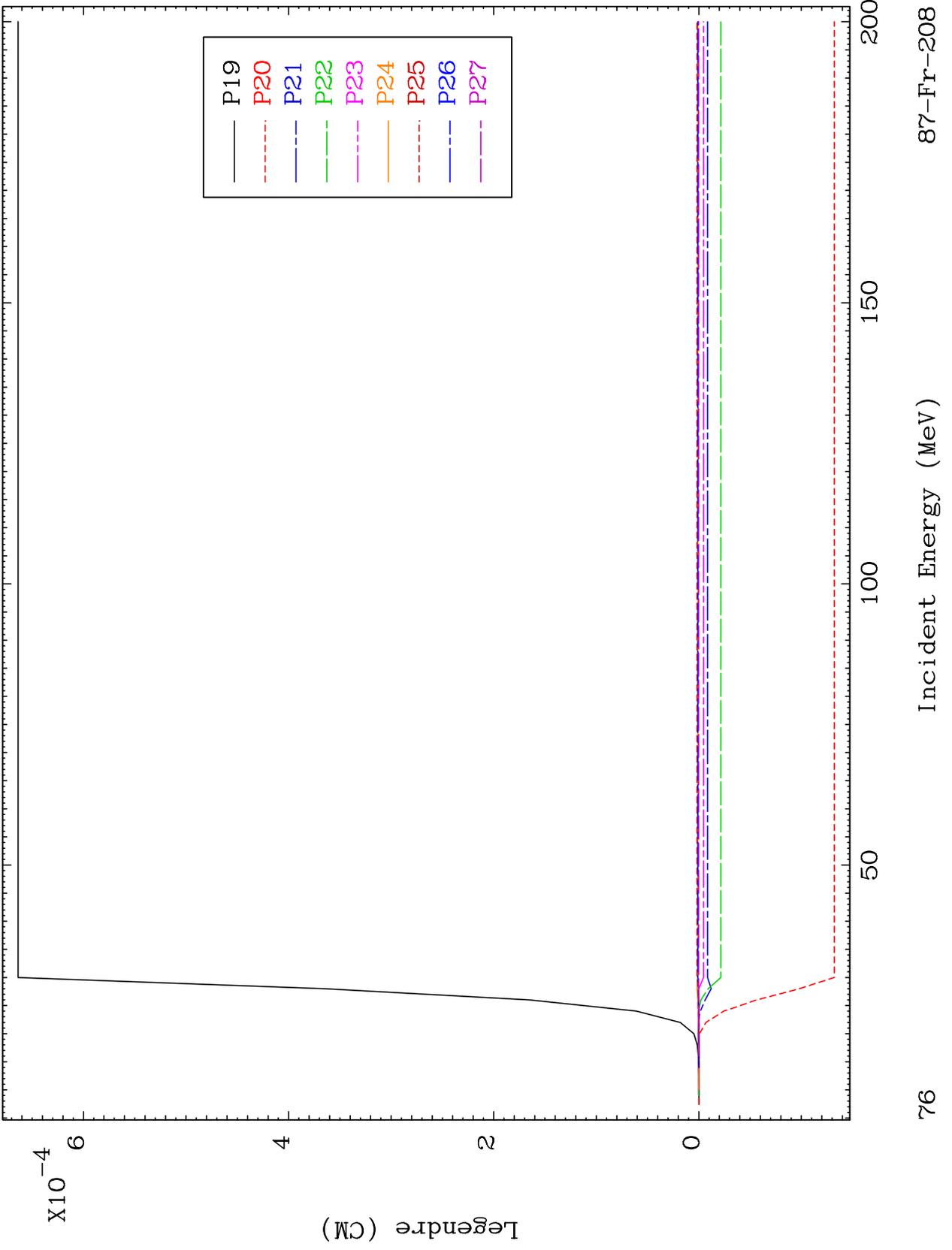
Incident Energy (MeV)

75

MAT 8713

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

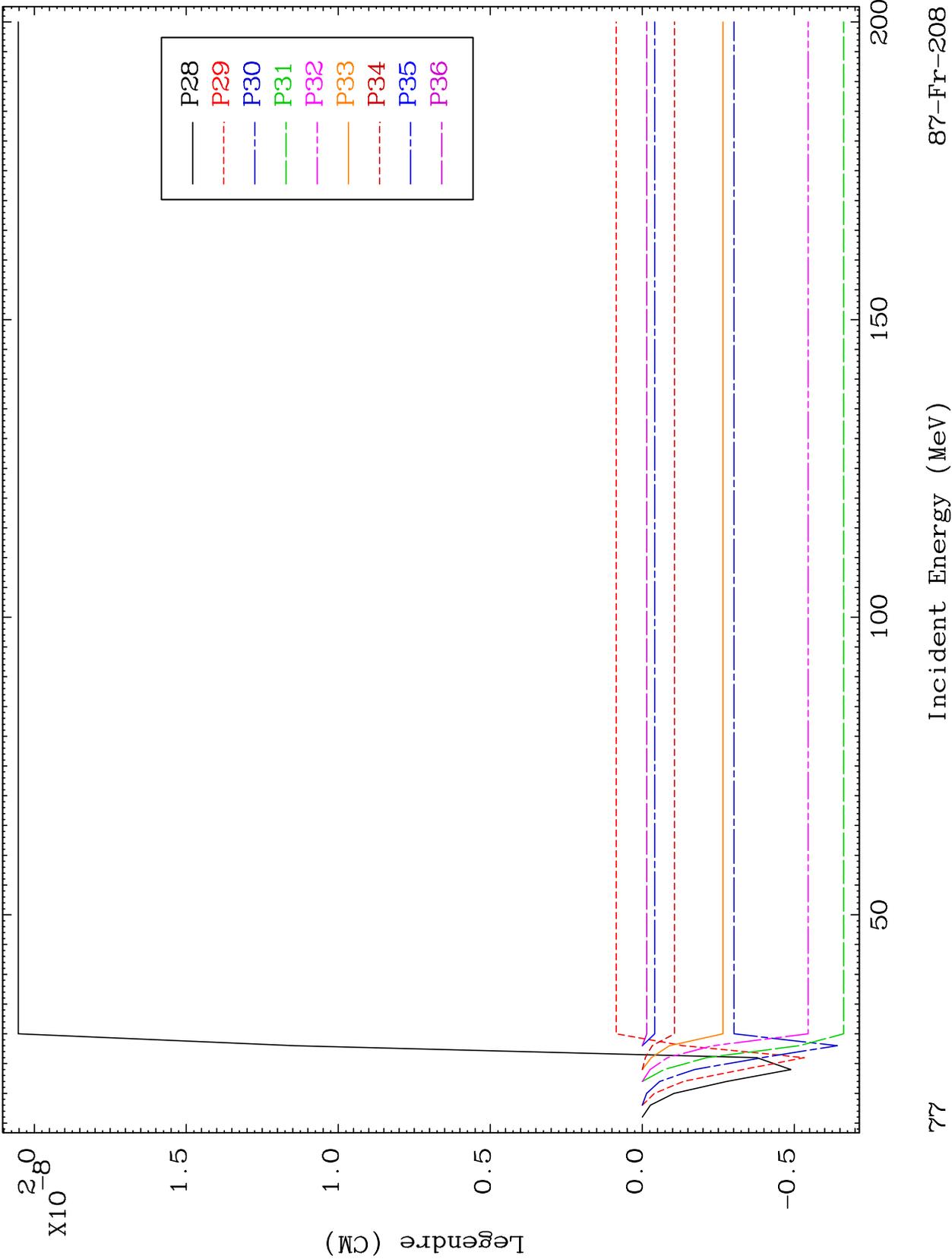
87-Fr-208



MAT 8713

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

87-Fr-208



77

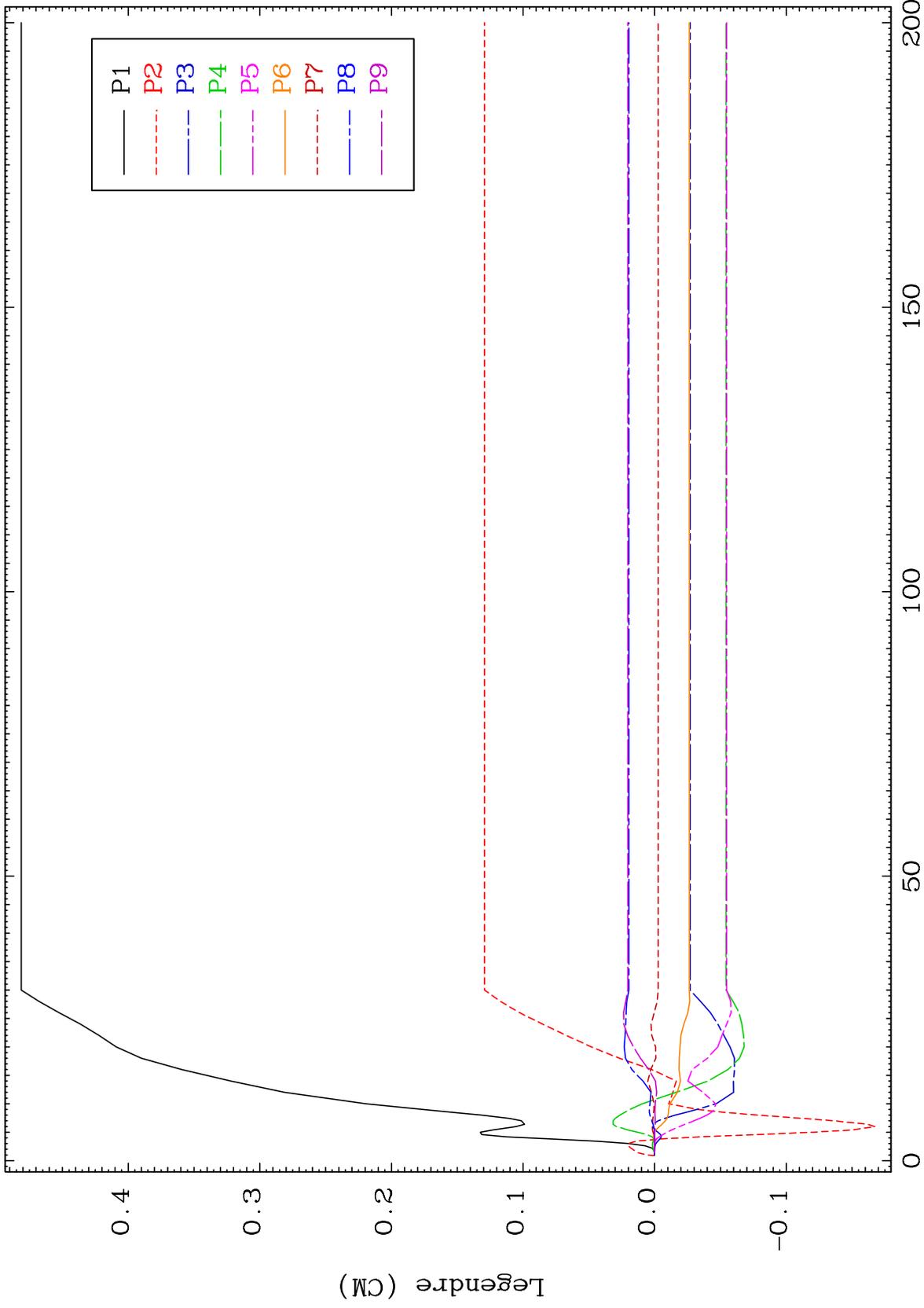
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



78

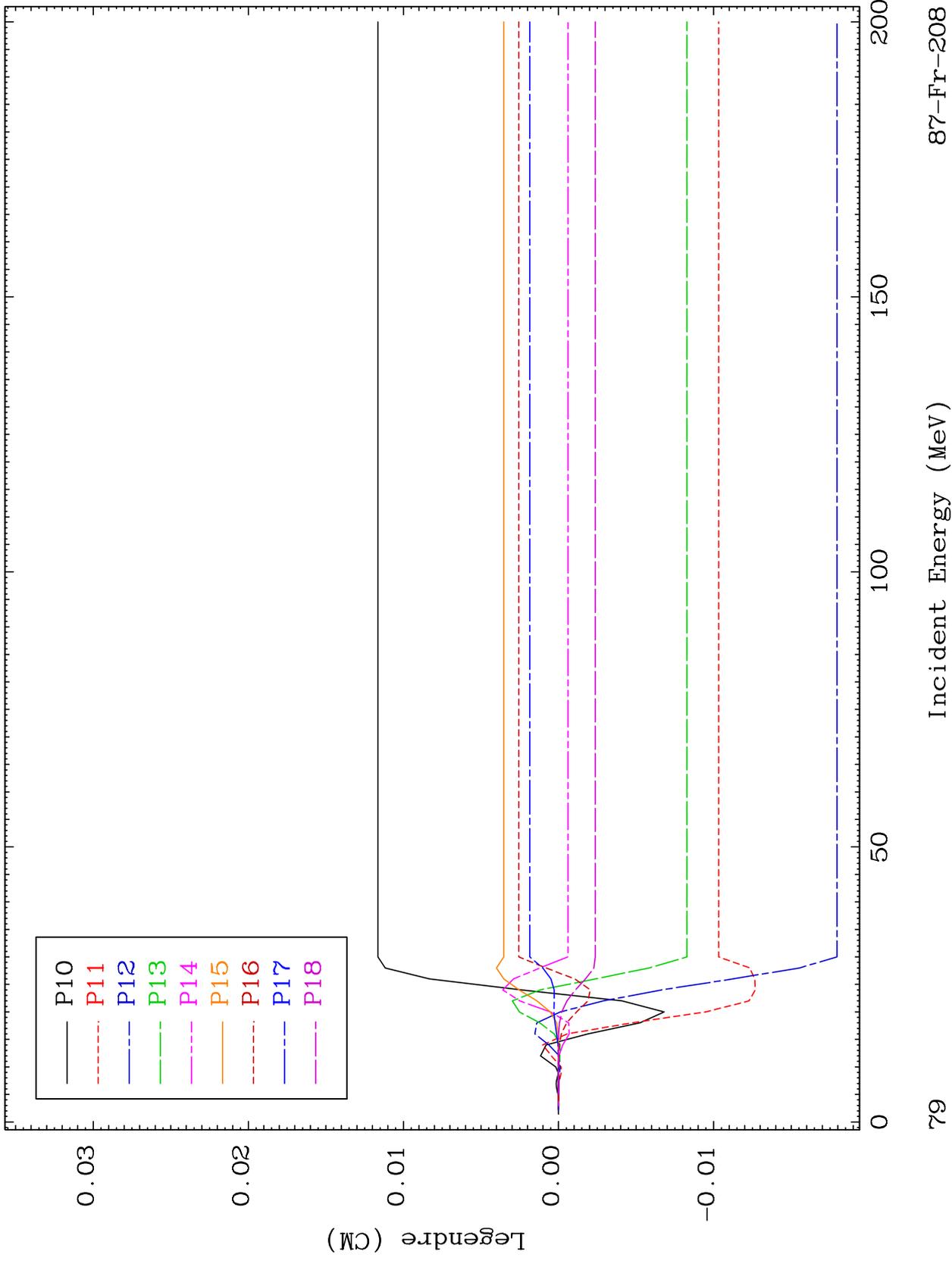
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



79

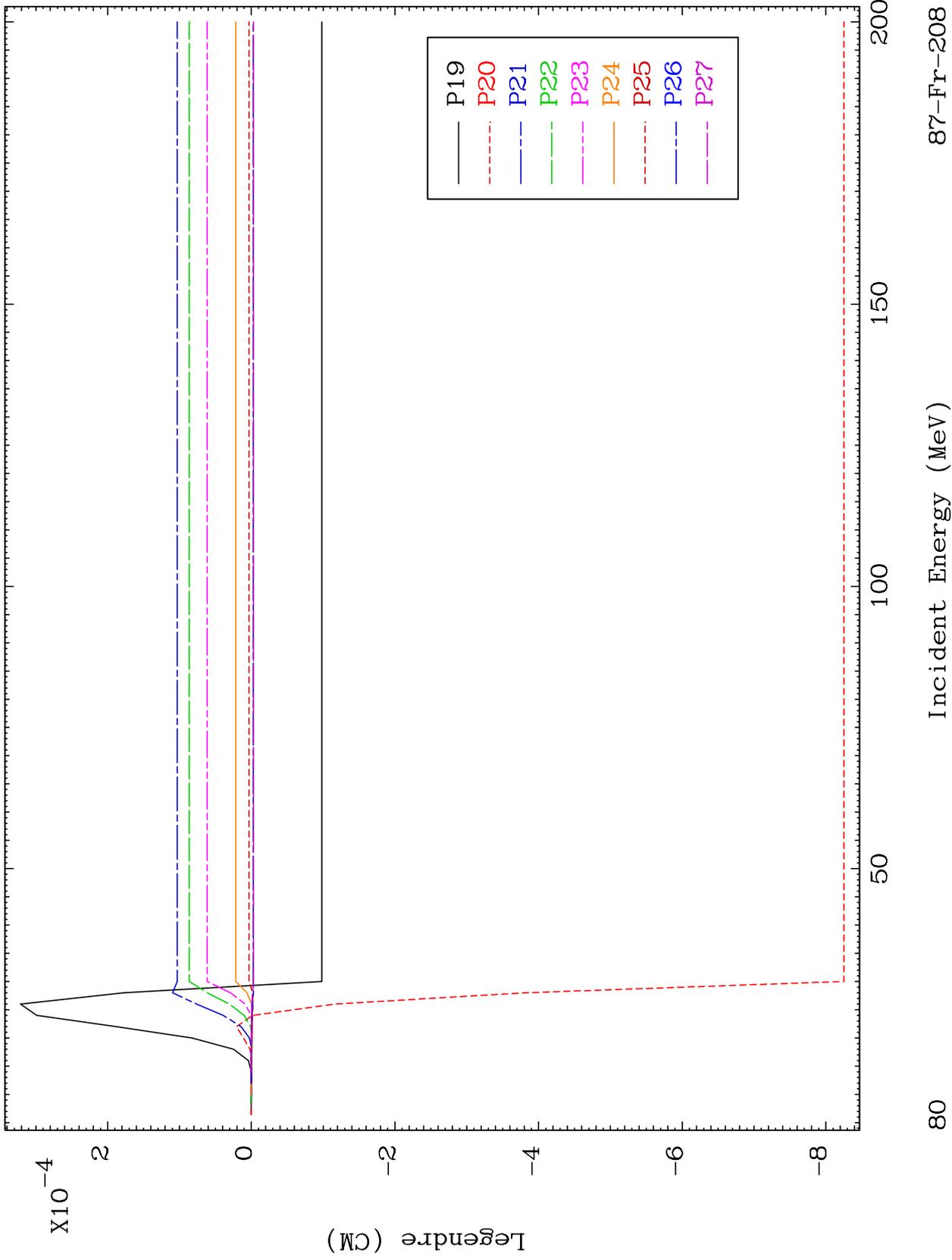
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



80

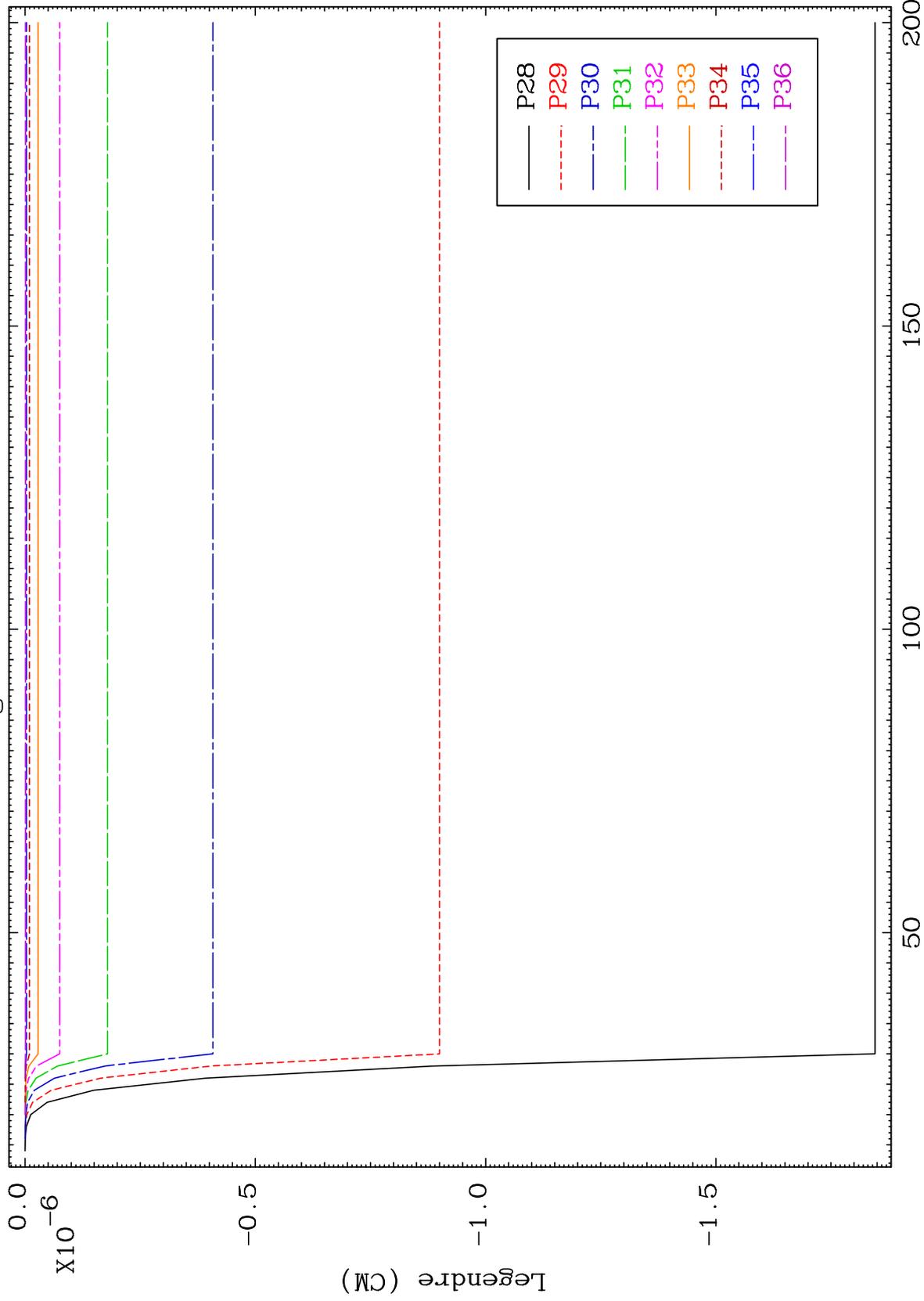
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



81

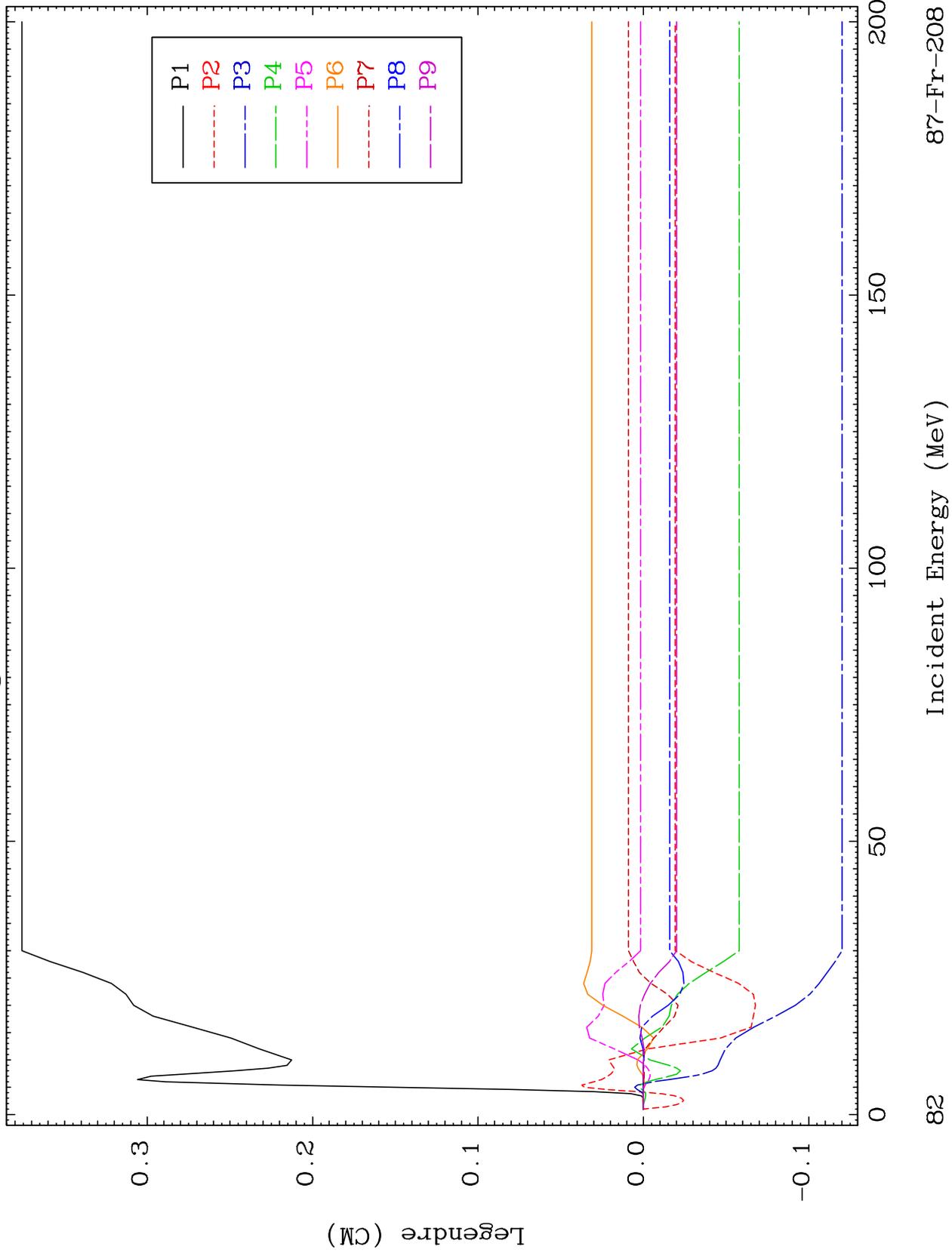
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



87-Fr-208

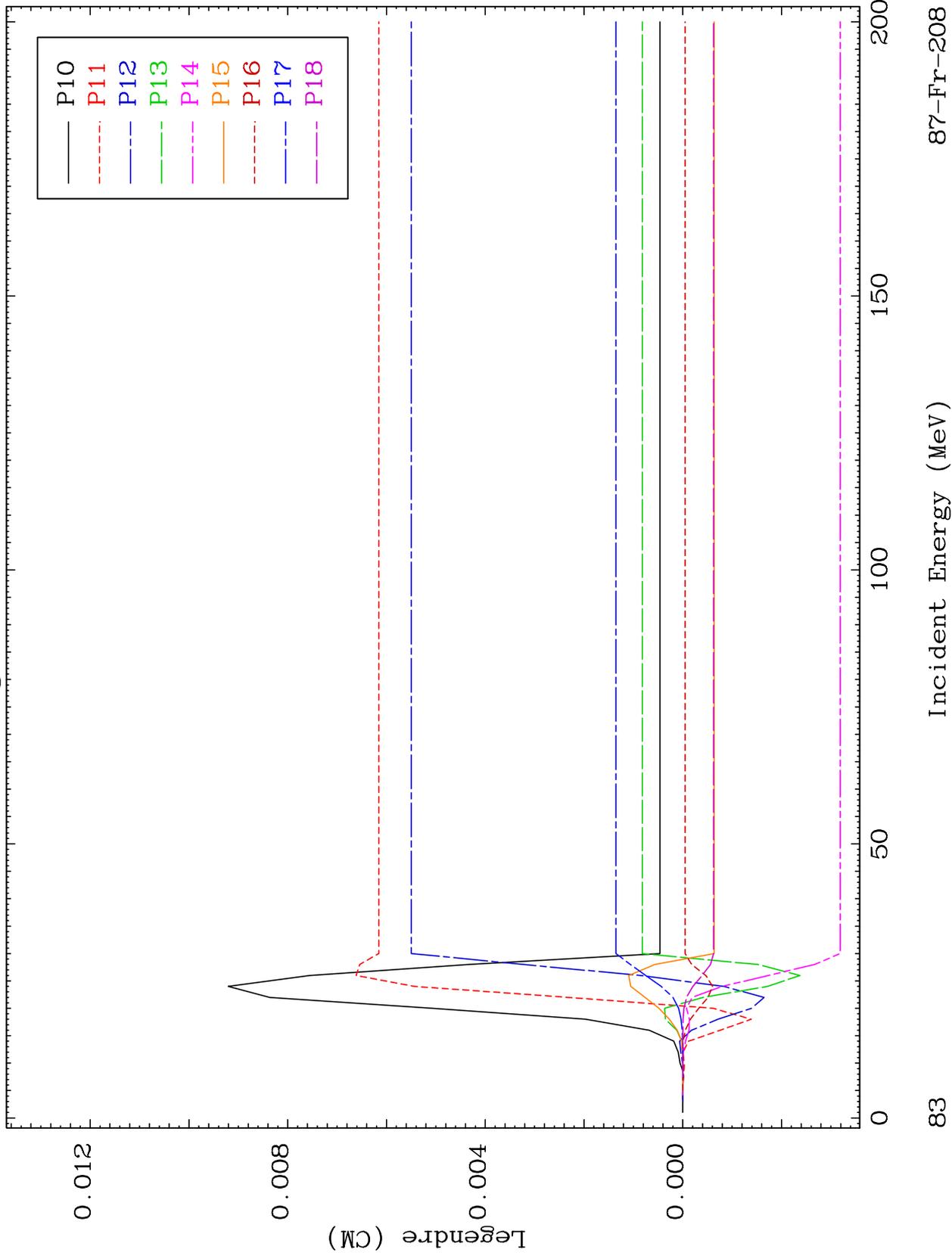
Incident Energy (MeV)

82

MAT 8713

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

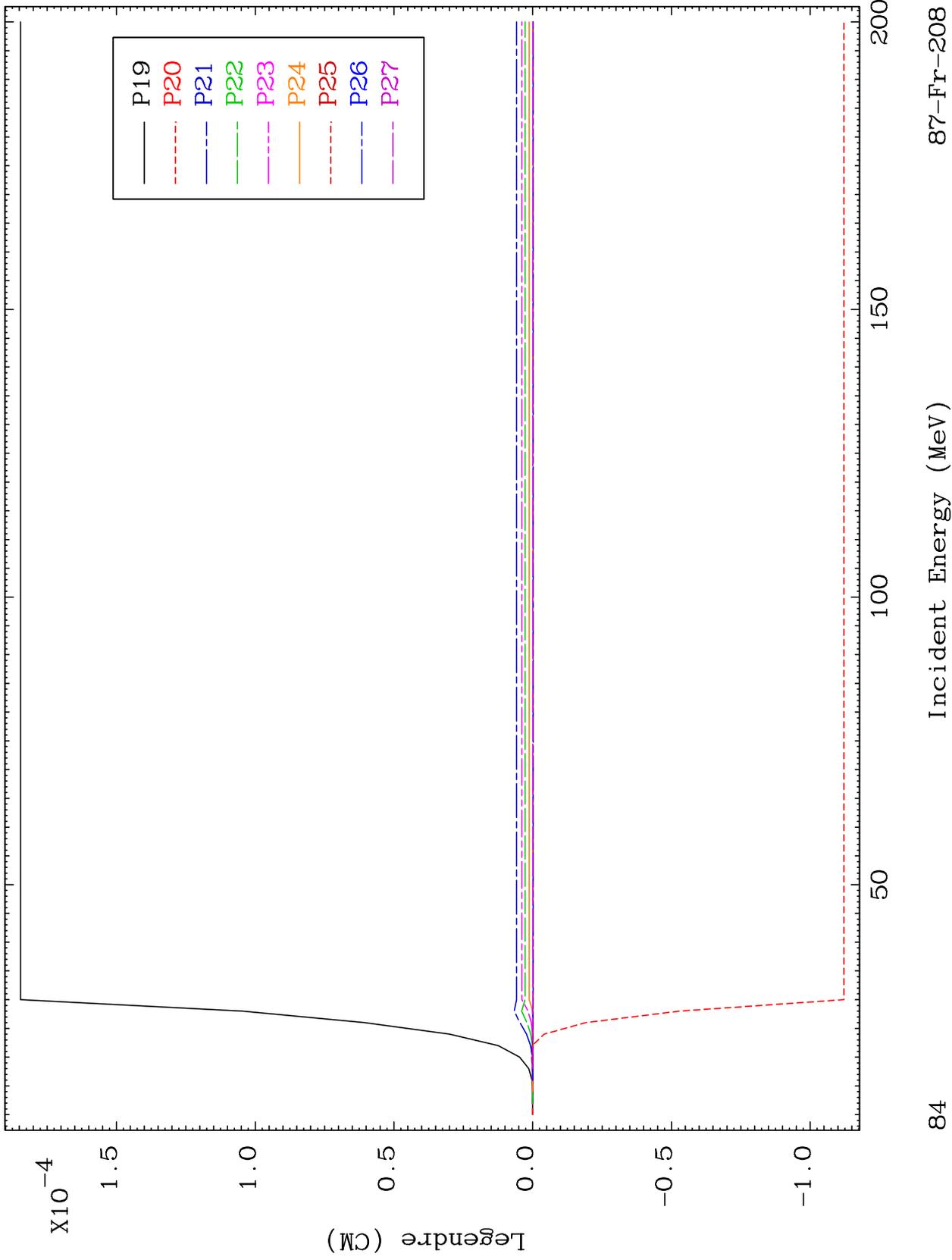
87-Fr-208



83

Incident Energy (MeV)

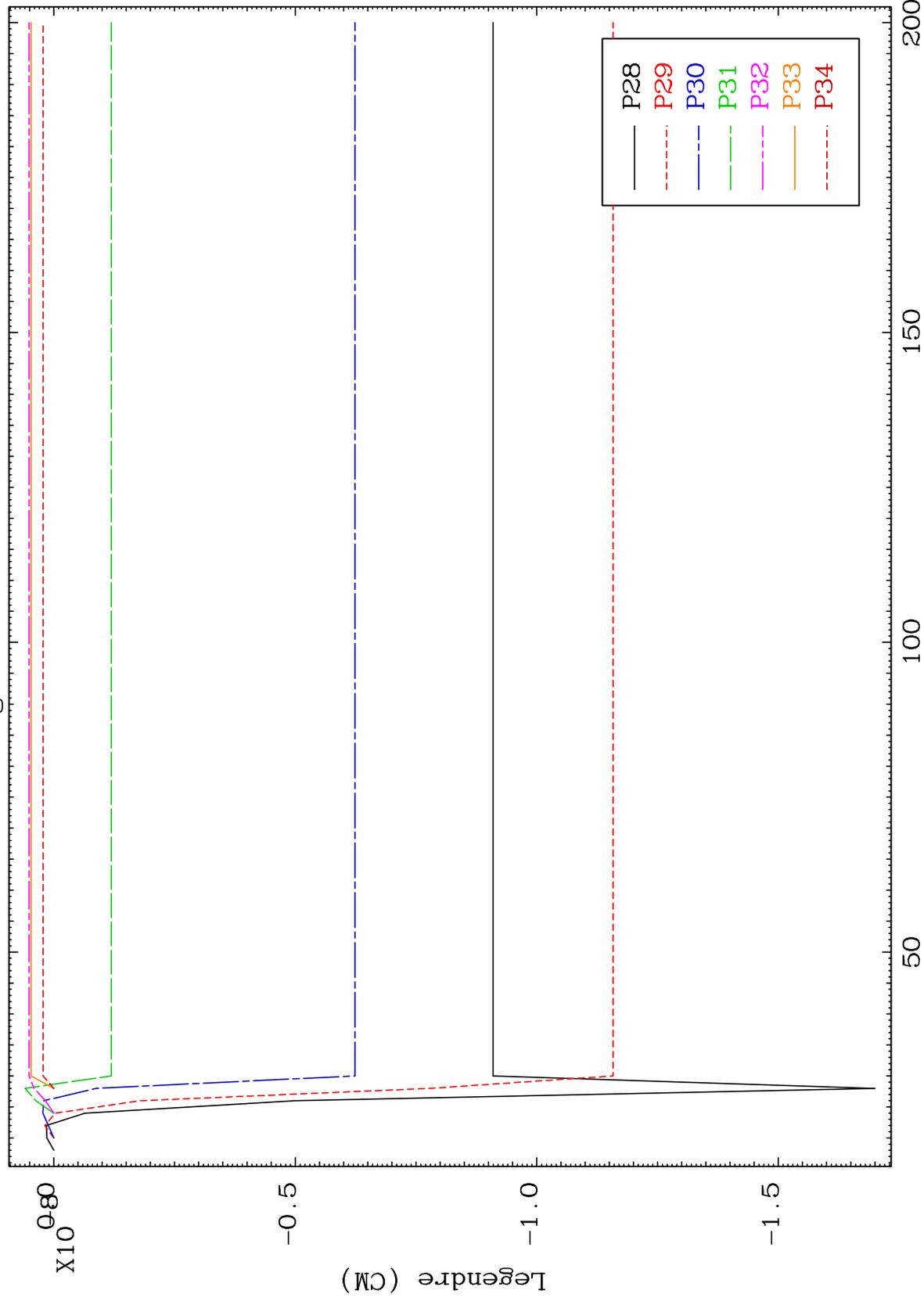
87-Fr-208



MAT 8713

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

87-Fr-208



85

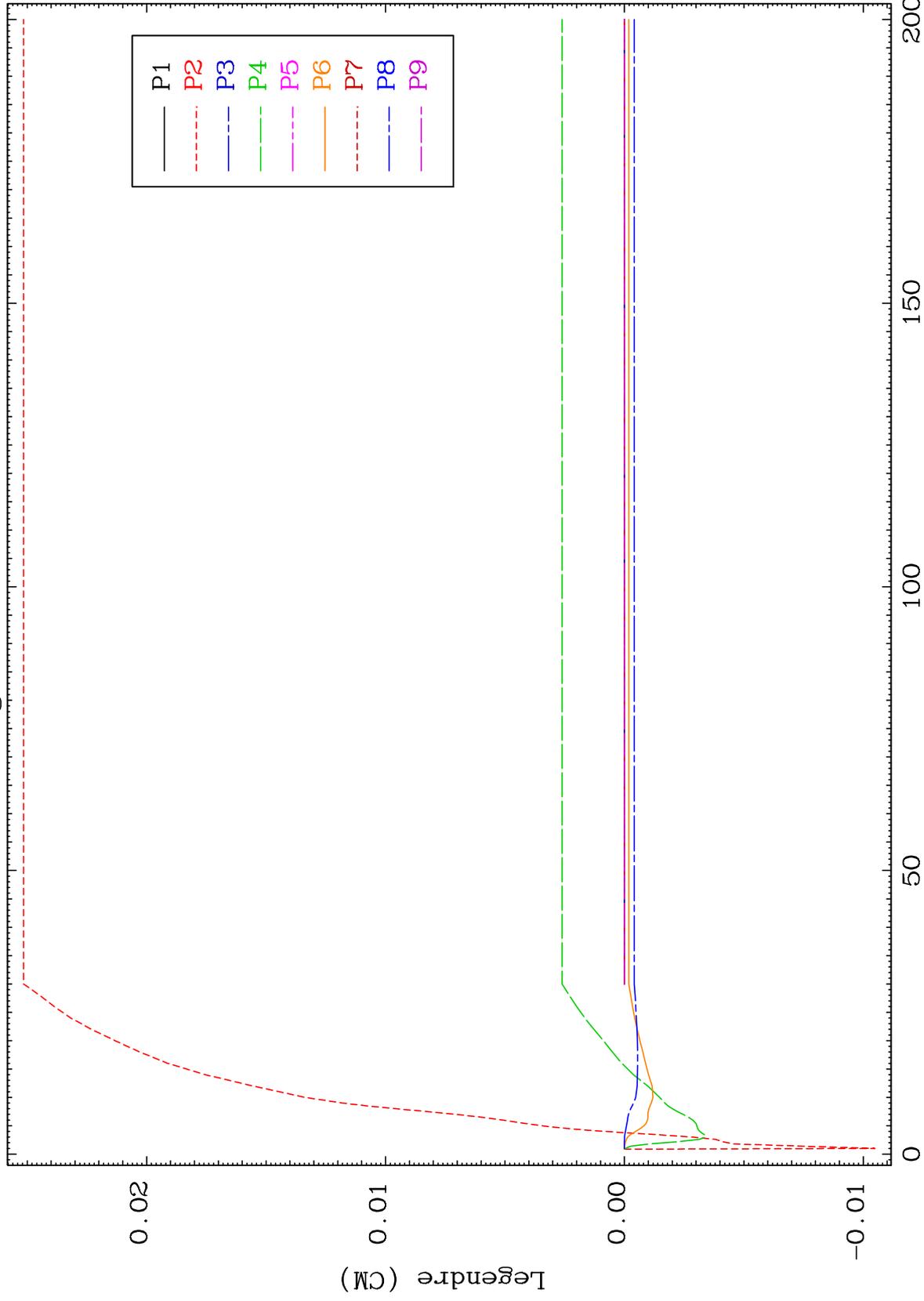
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



87-Fr-208

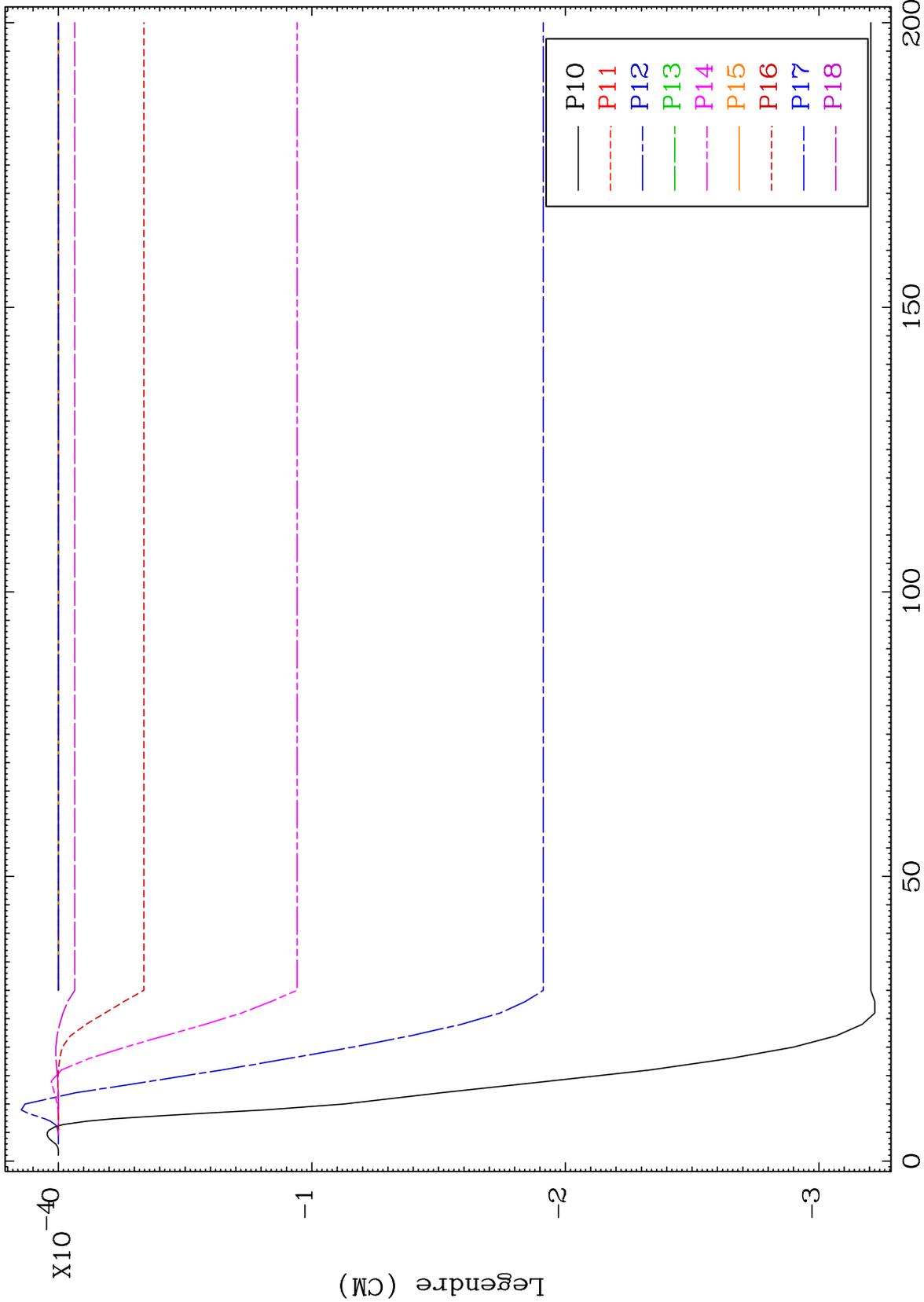
Incident Energy (MeV)

86

MAT 8713

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

87-Fr-208



87

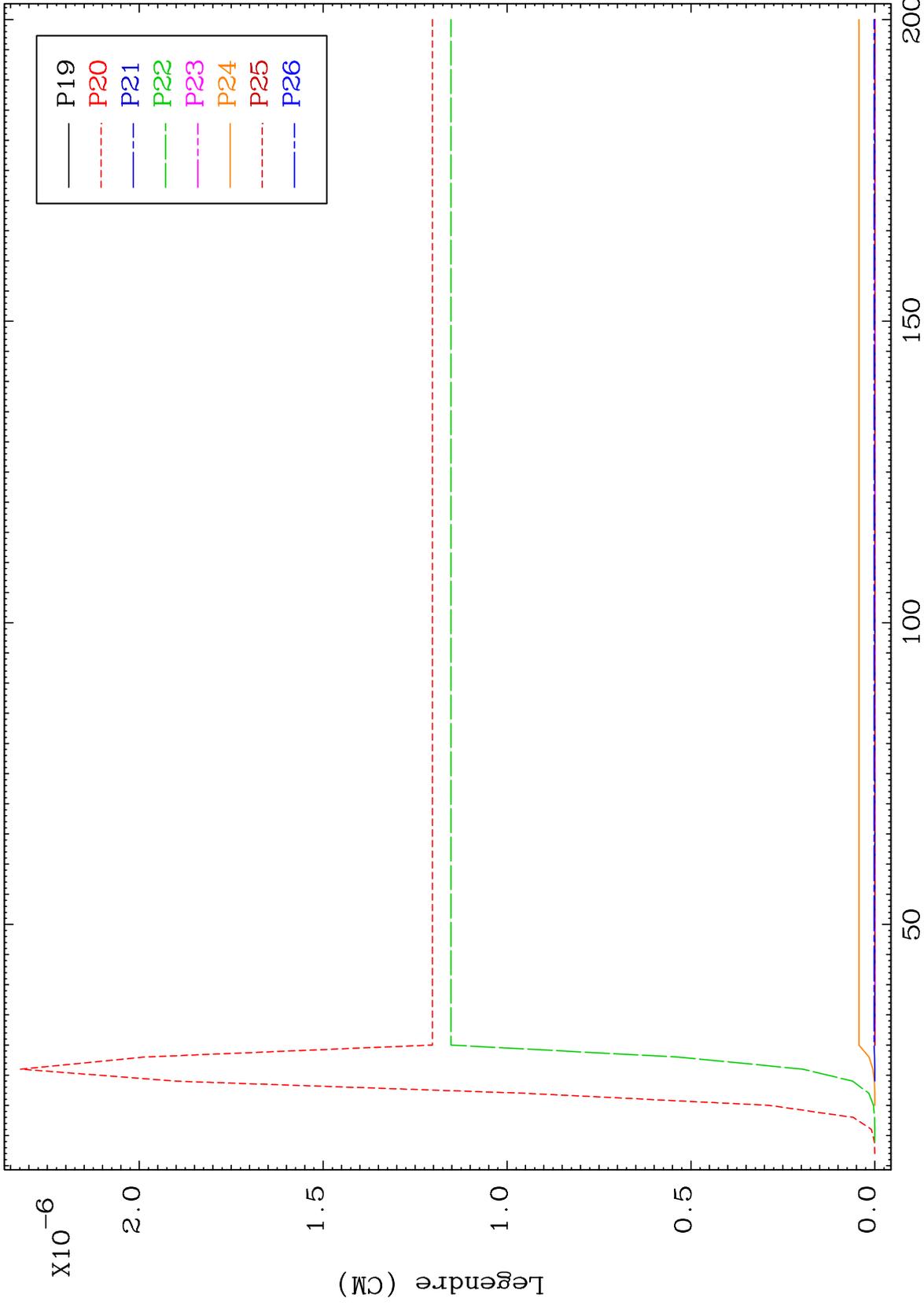
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



88

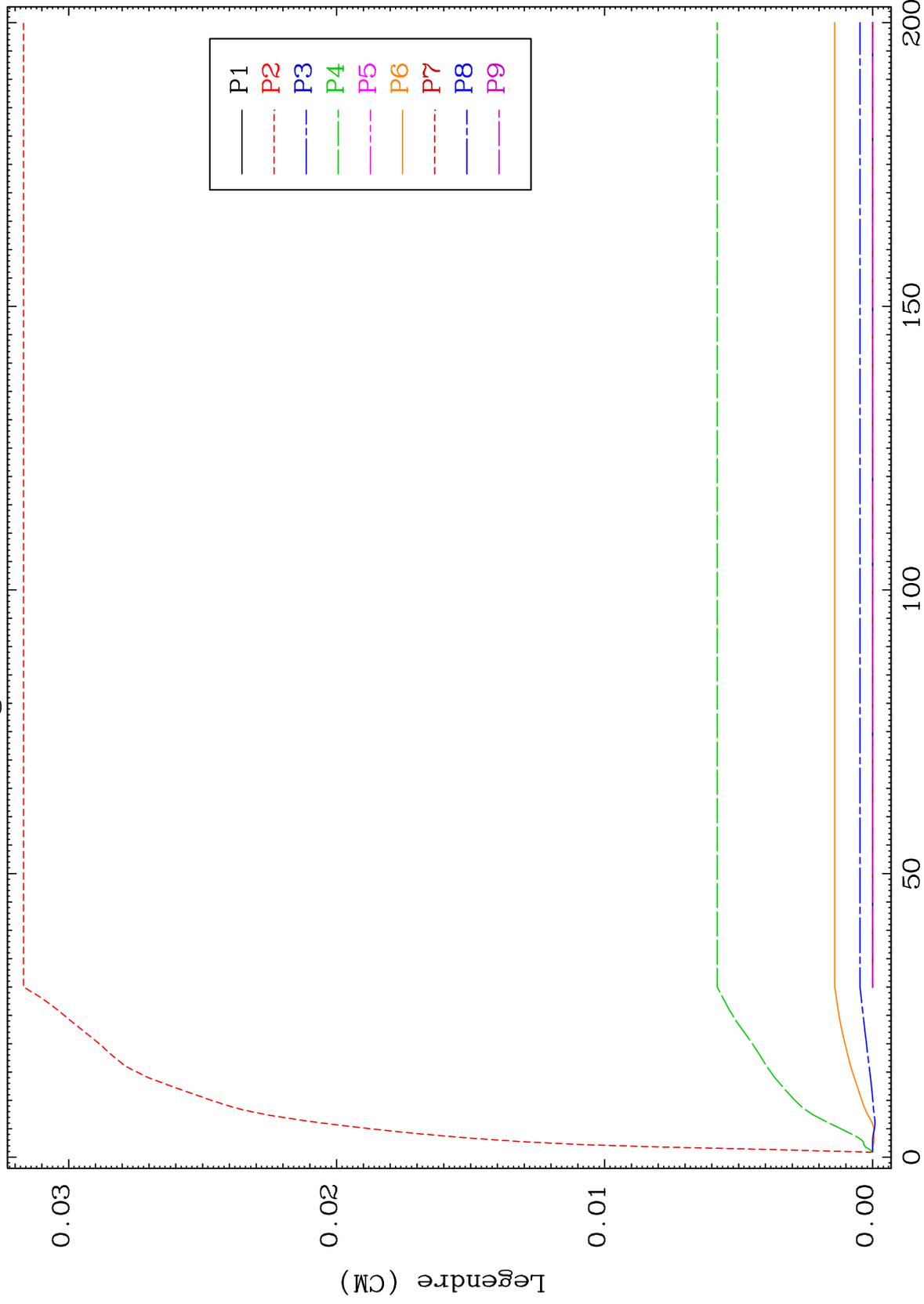
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



89

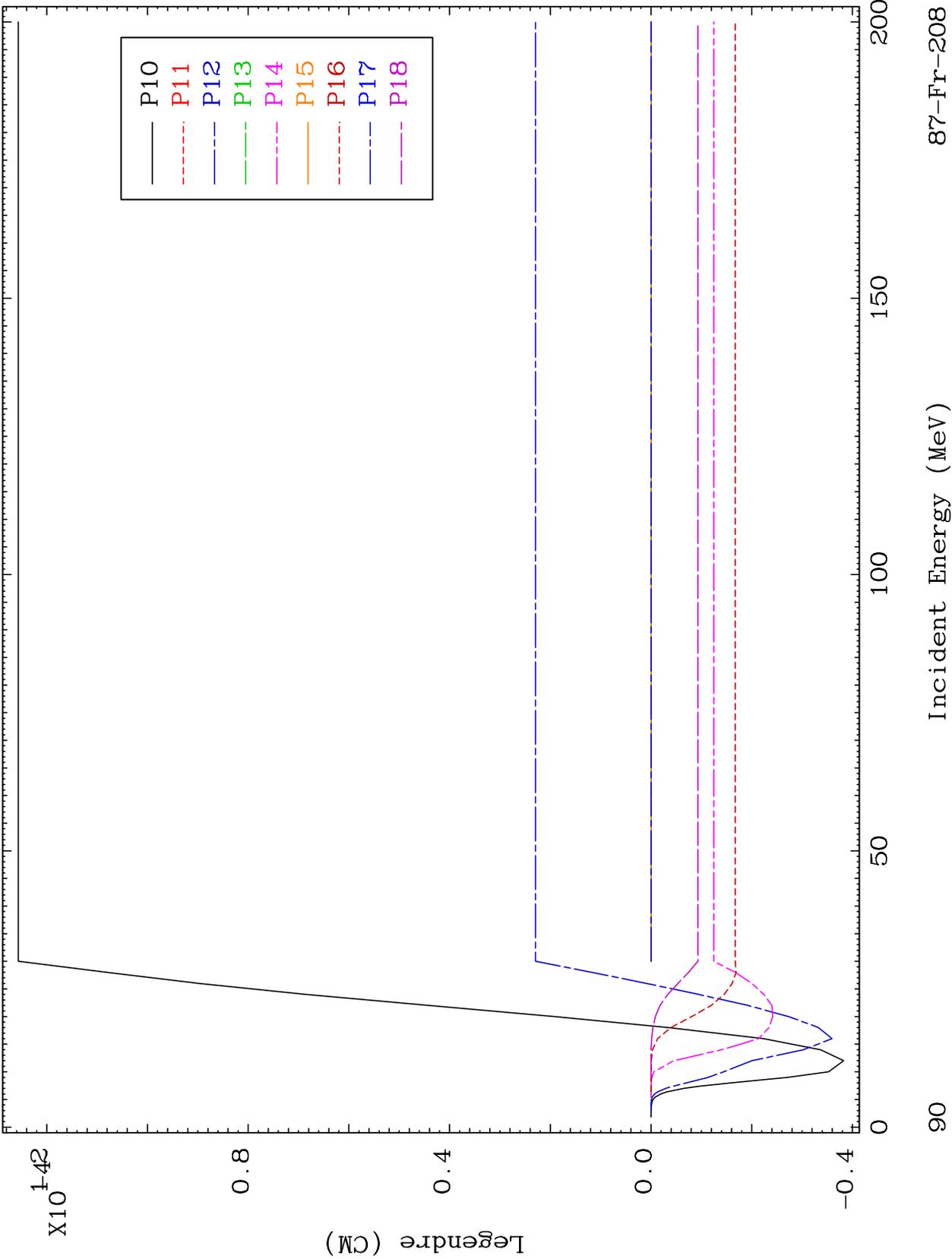
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



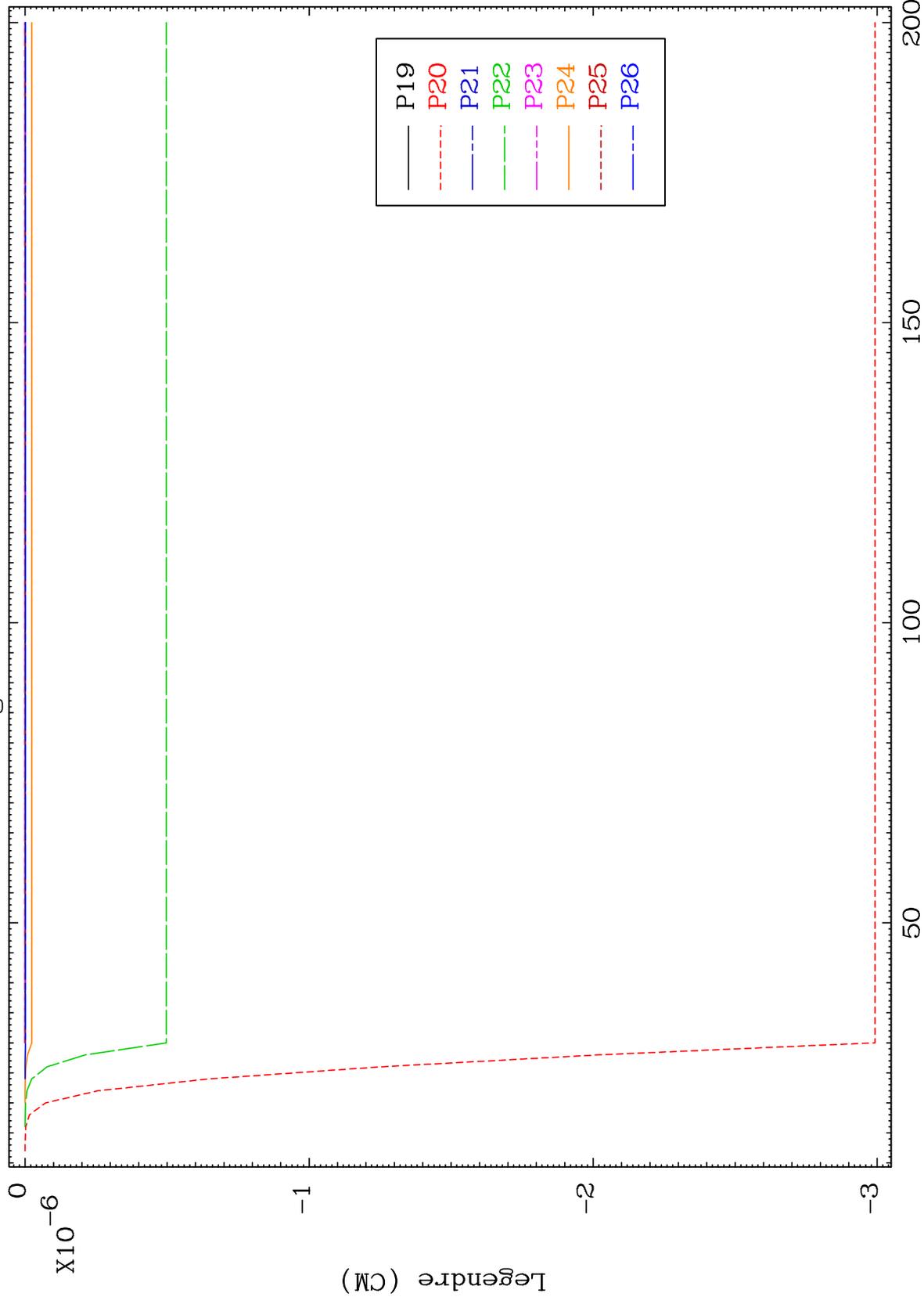
87-Fr-208

Incident Energy (MeV)

MAT 8713

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

87-Fr-208



91

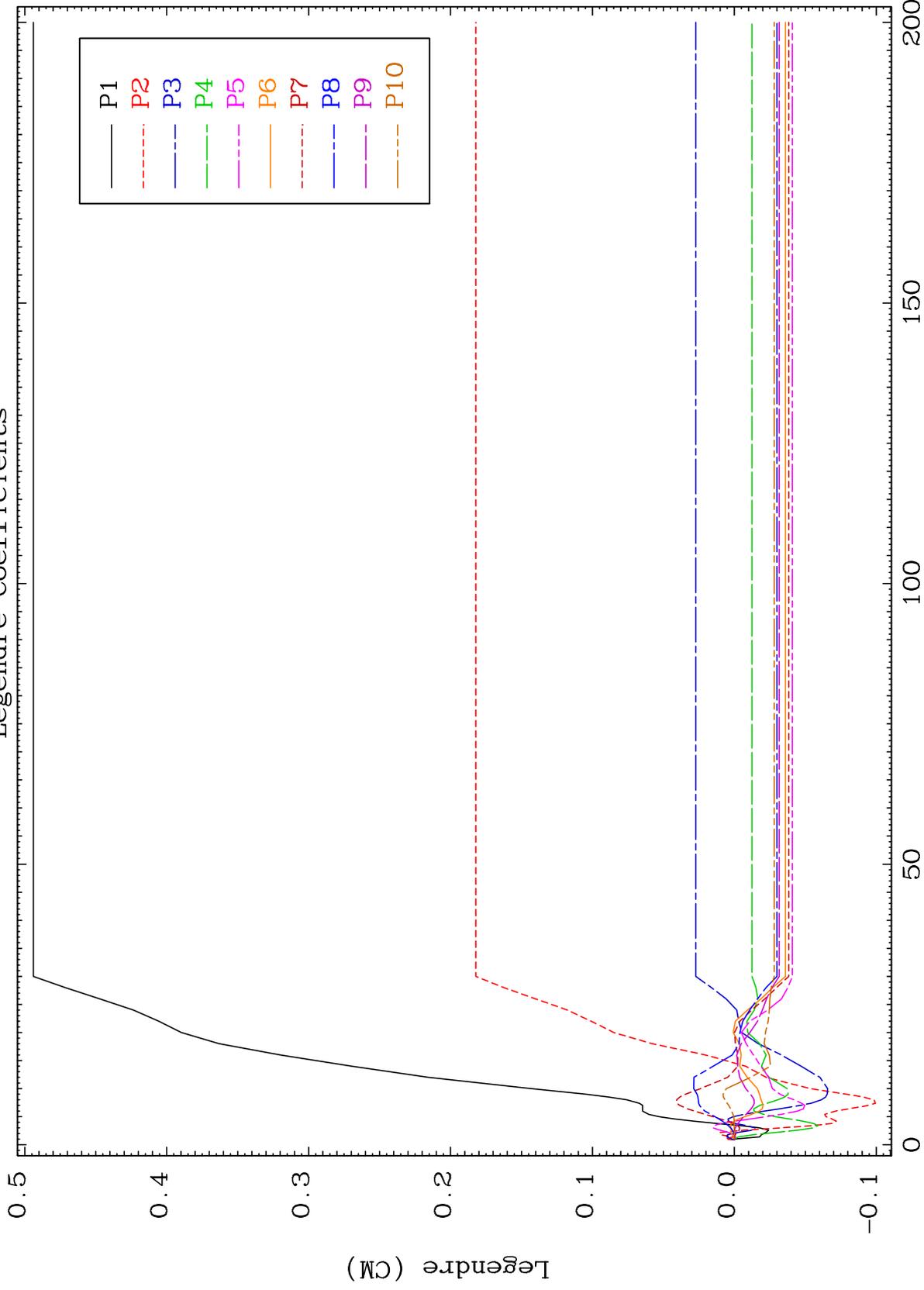
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



92

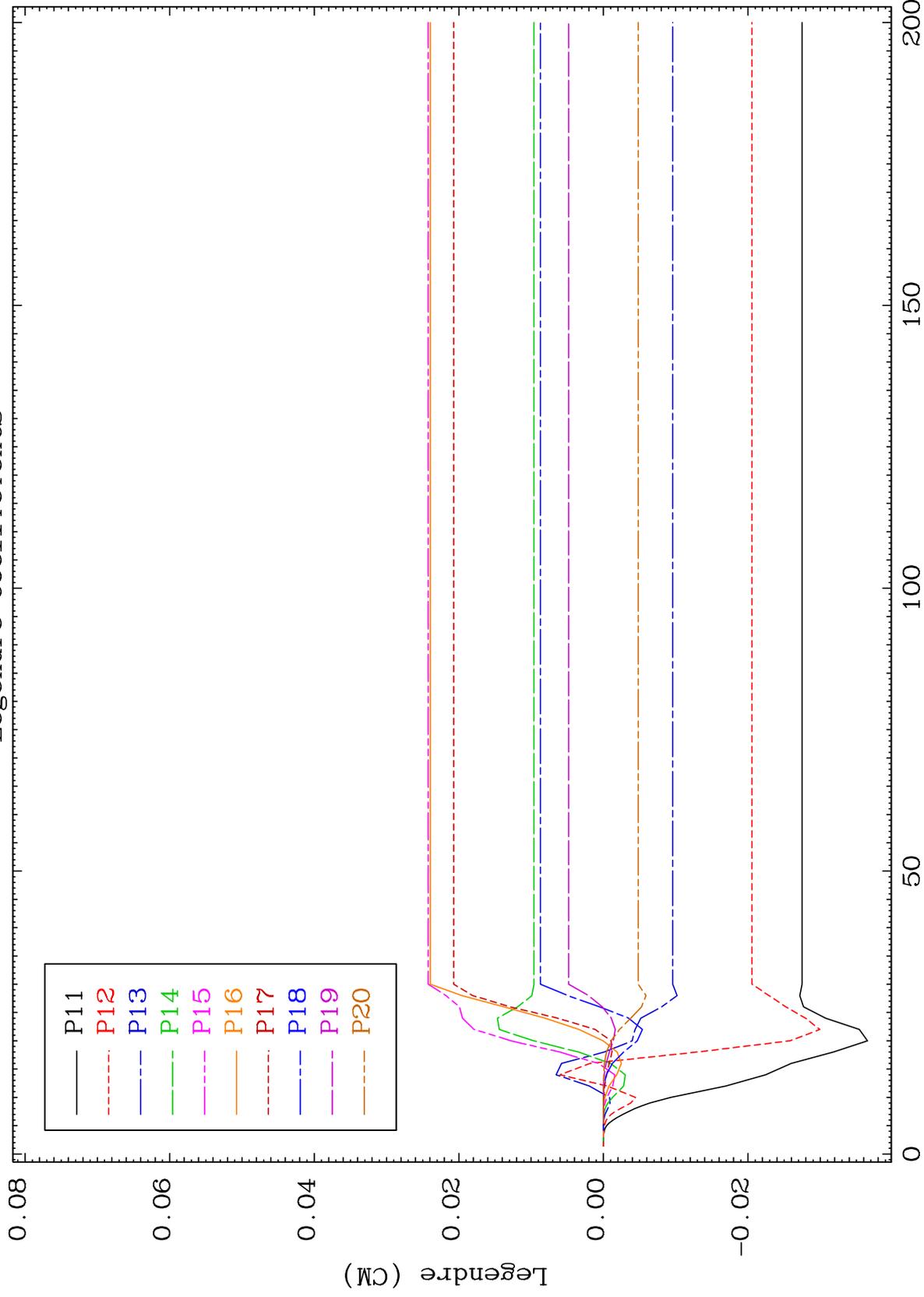
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



93

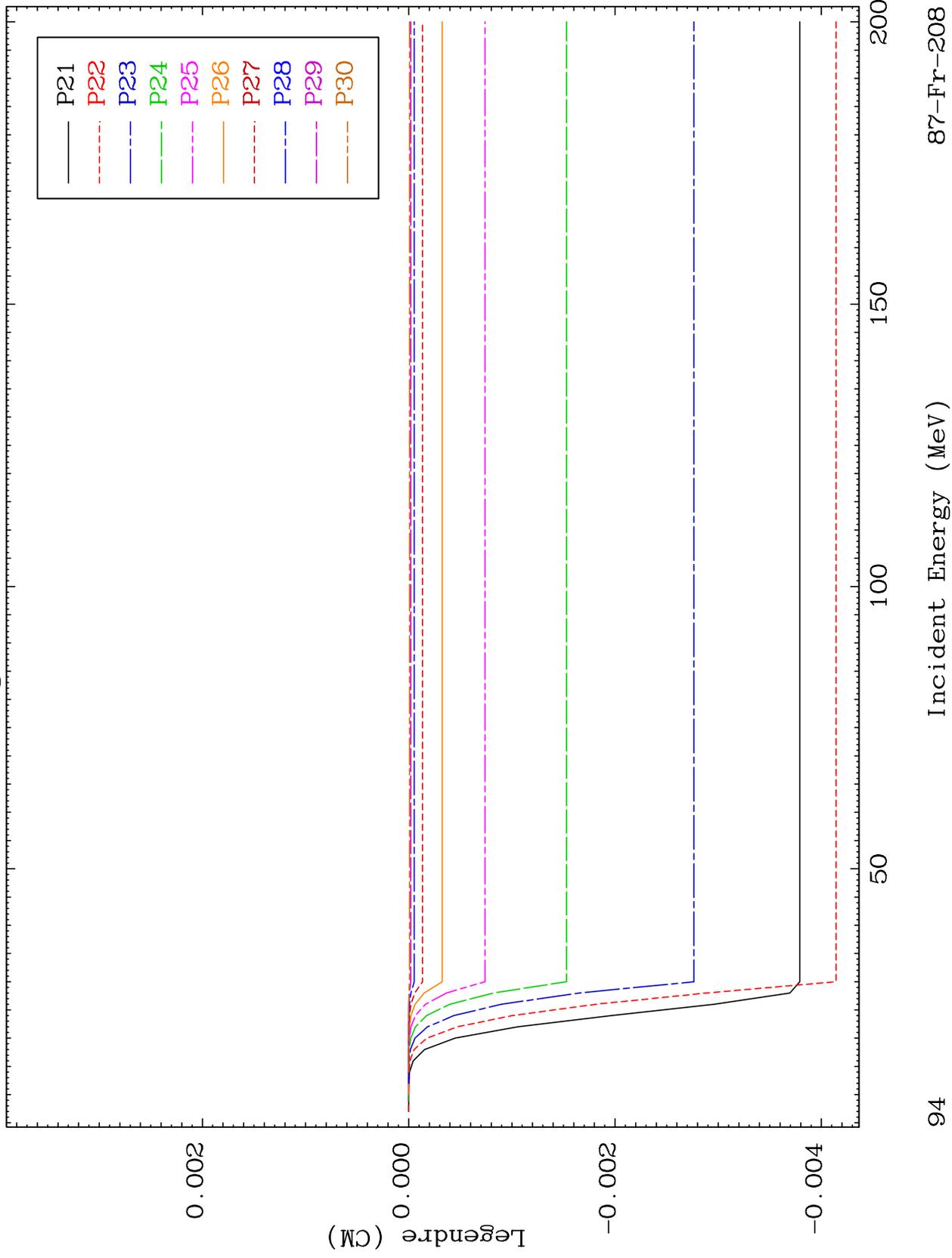
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

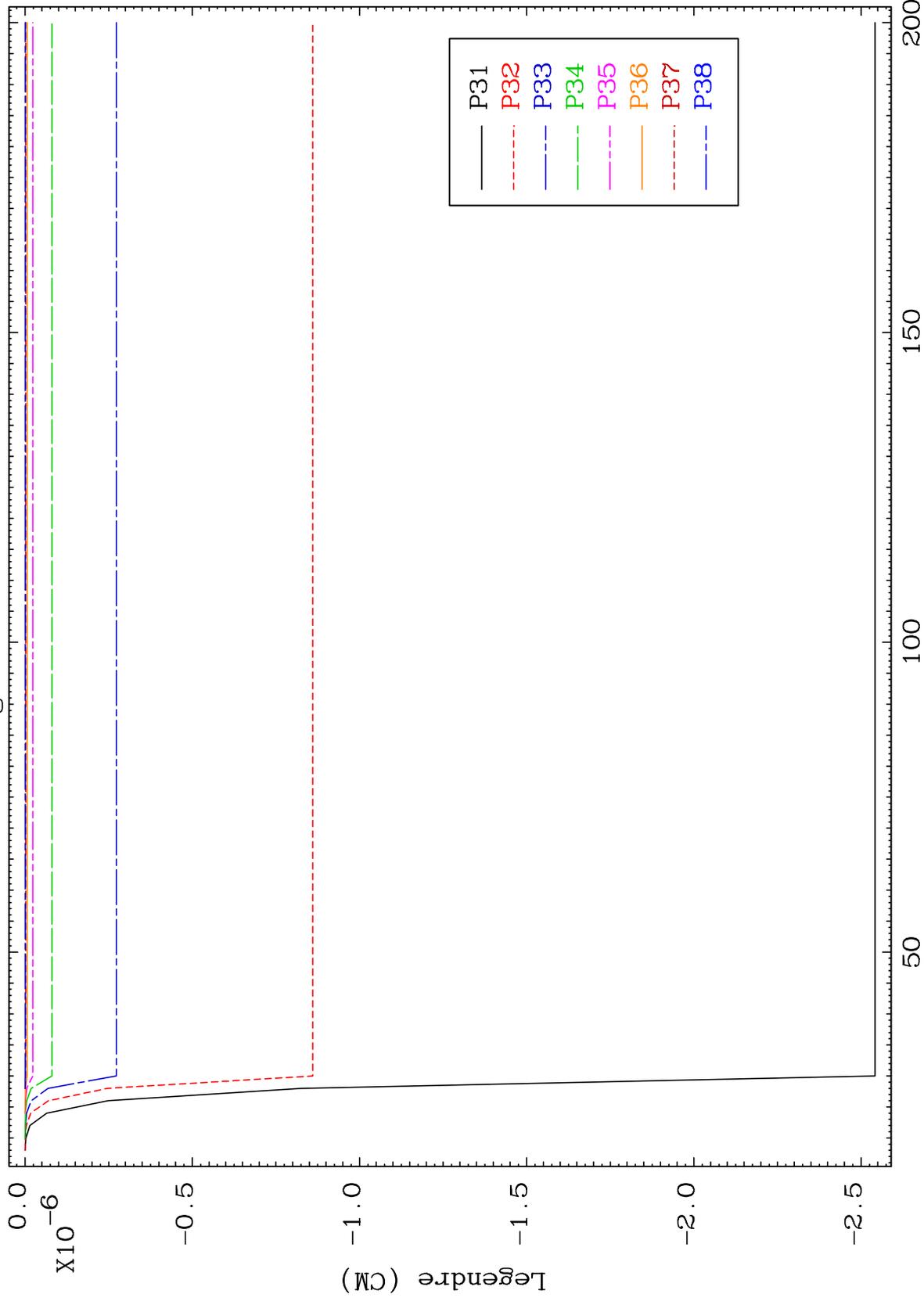
87-Fr-208



MAT 8713

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

87-Fr-208



95

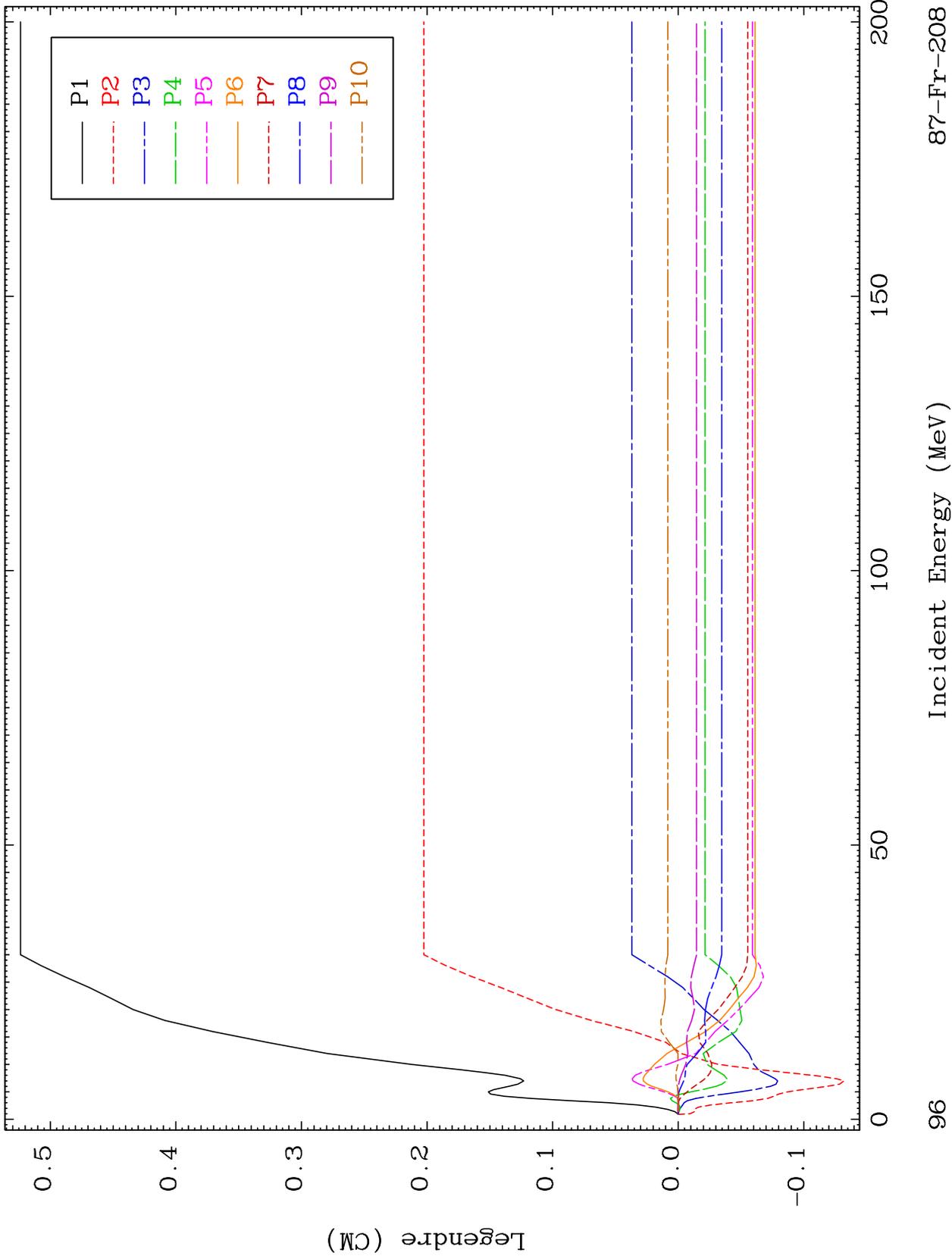
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



87-Fr-208

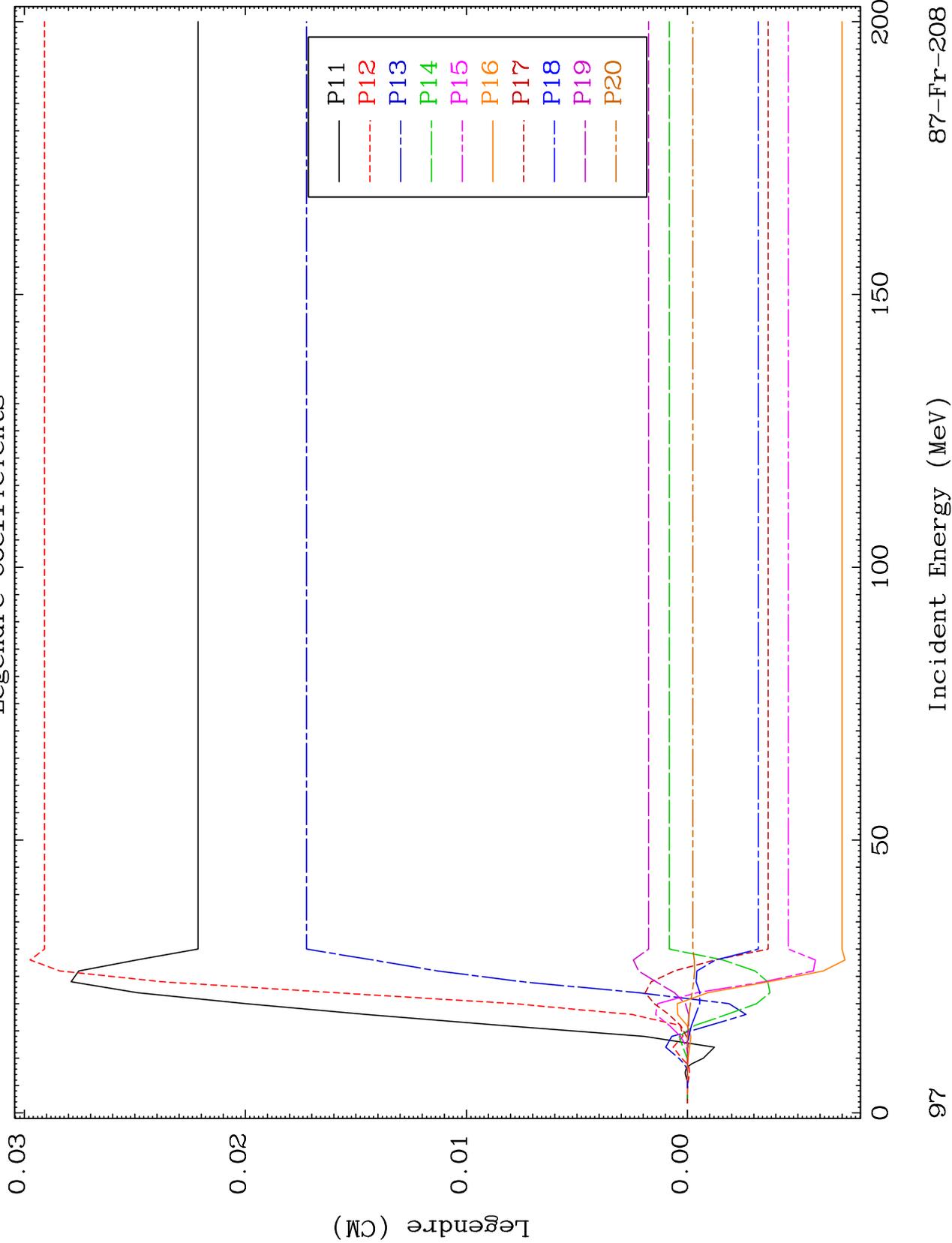
Incident Energy (MeV)

96

MAT 8713

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

87-Fr-208



97

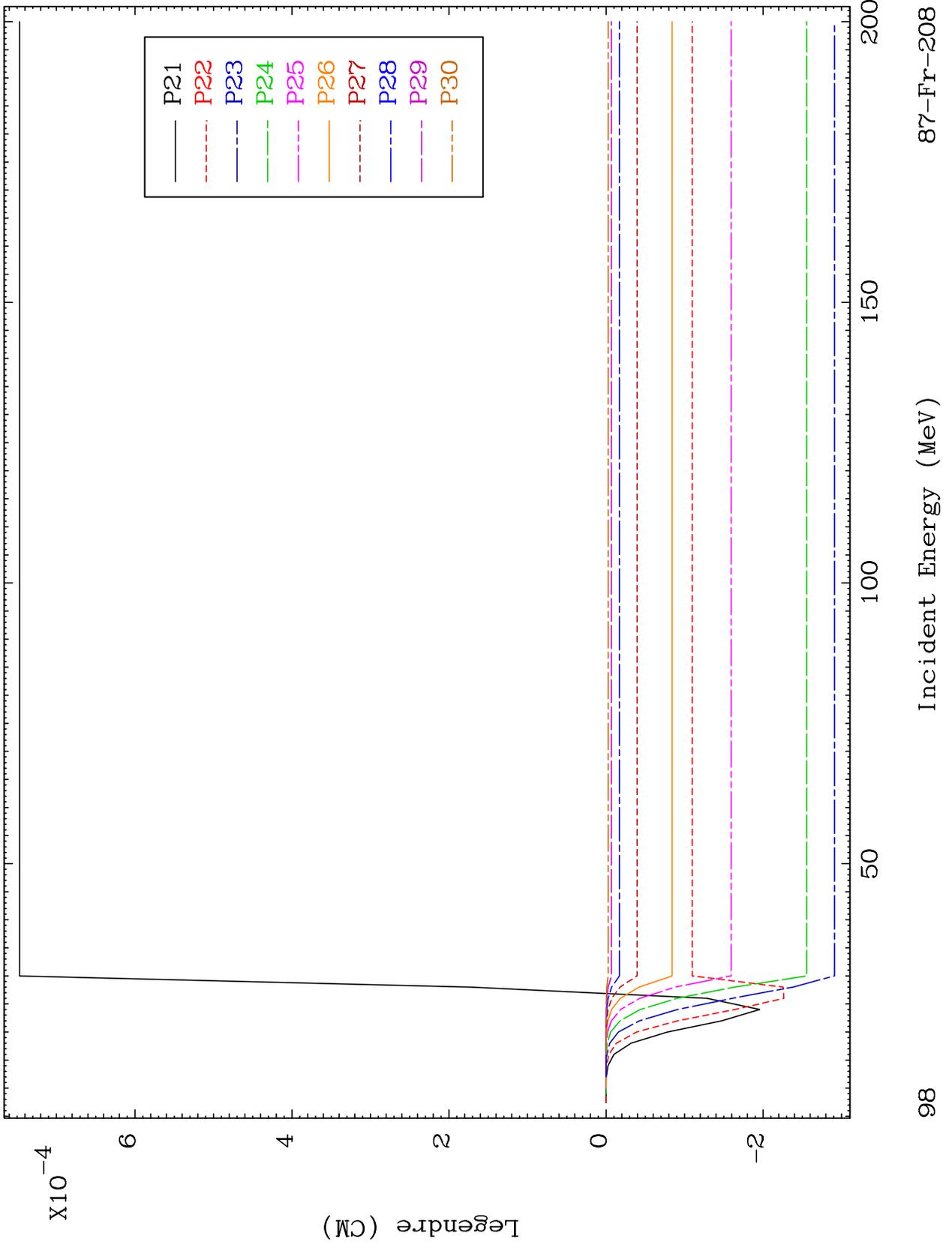
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

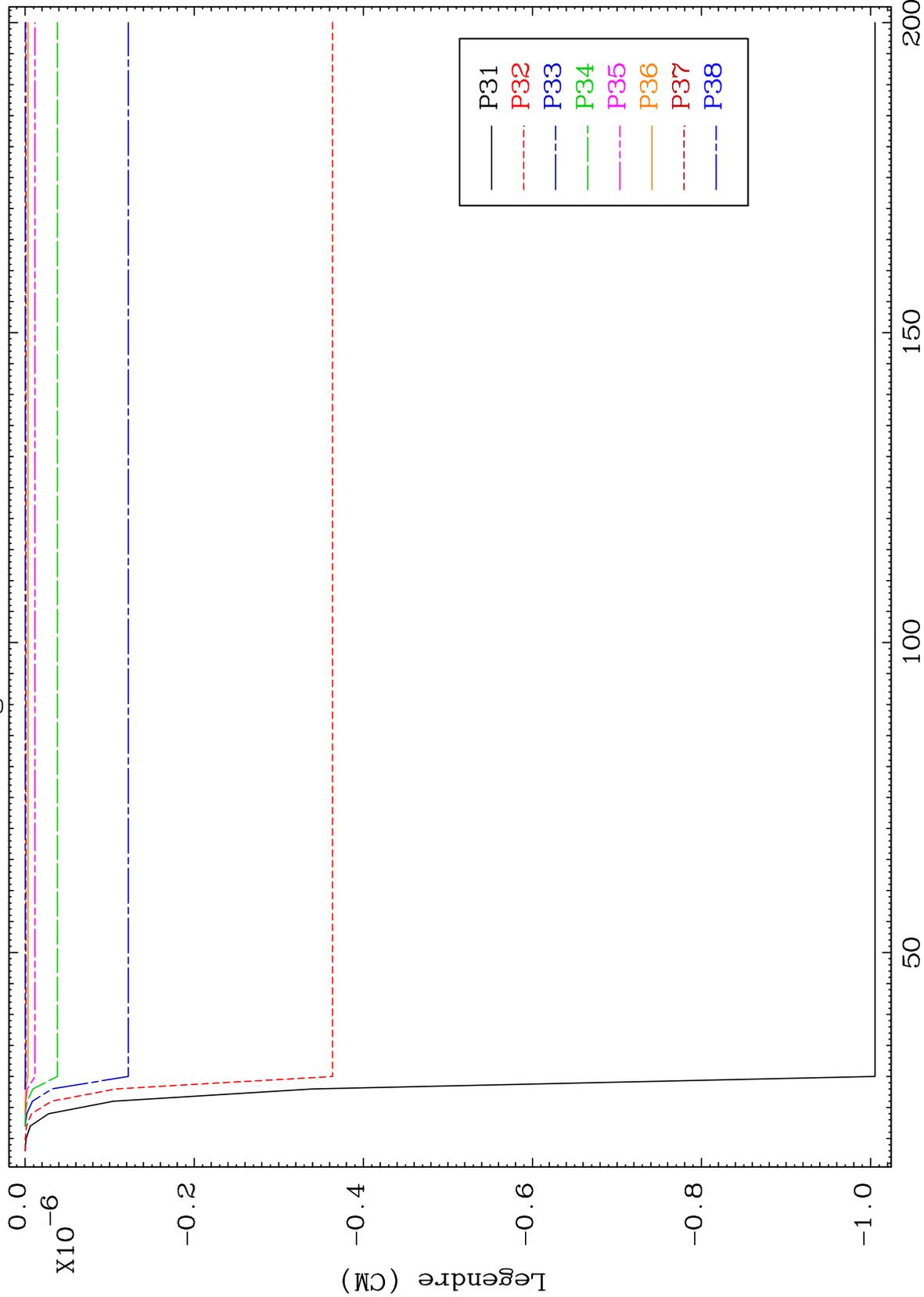
87-Fr-208



MAT 8713

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

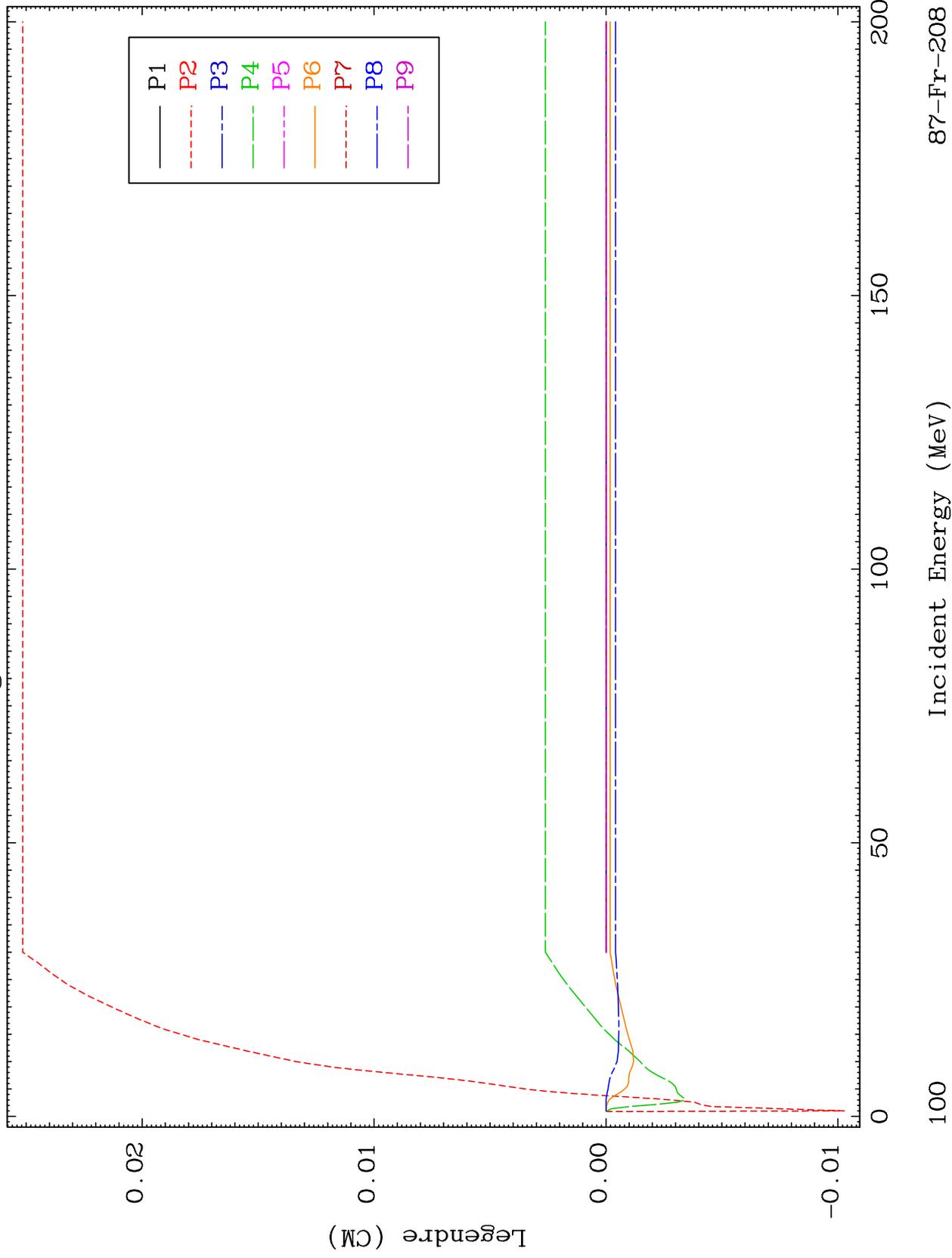
87-Fr-208



MAT 8713

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

87-Fr-208



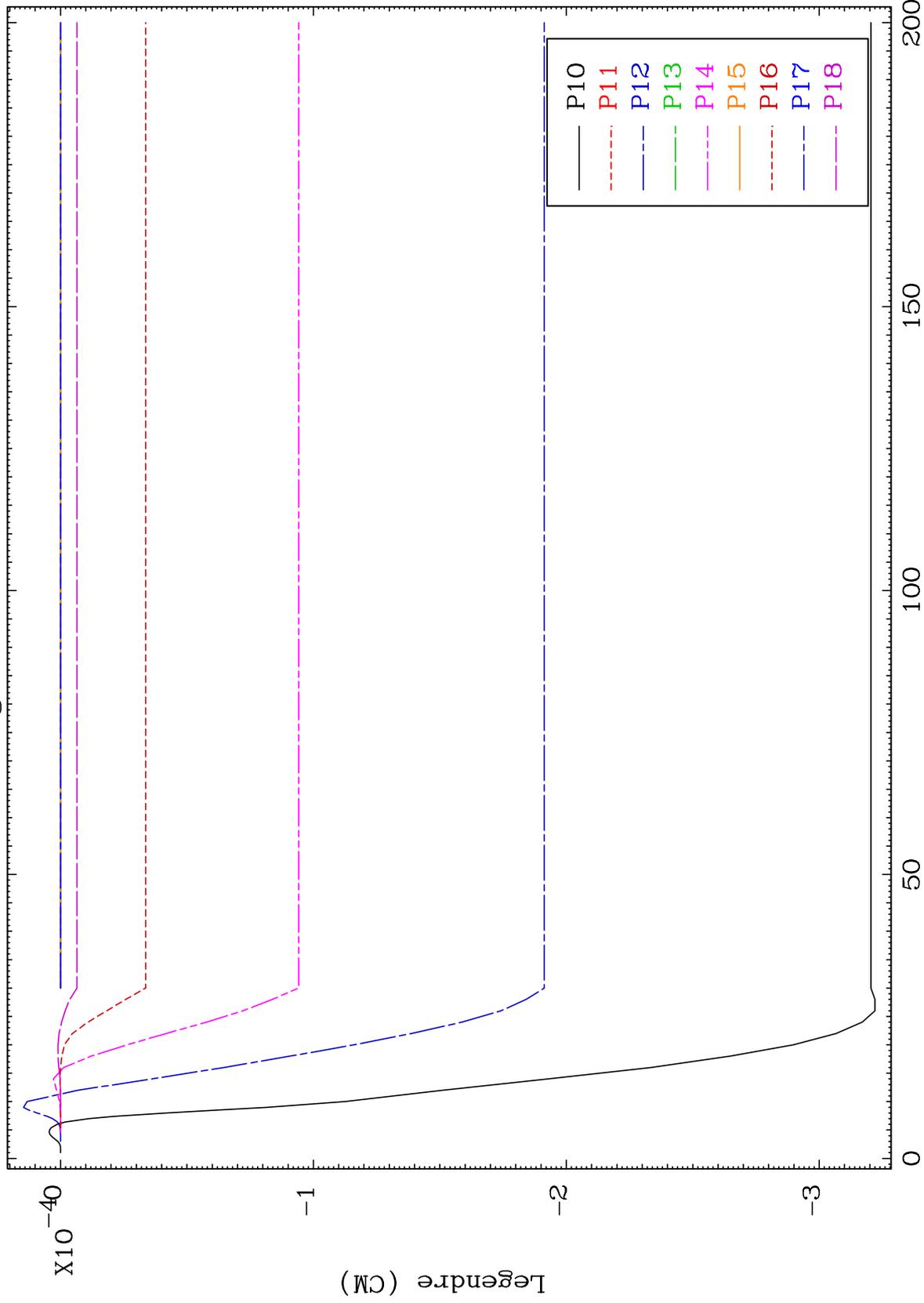
87-Fr-208

Incident Energy (MeV)

MAT 8713

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

87-Fr-208



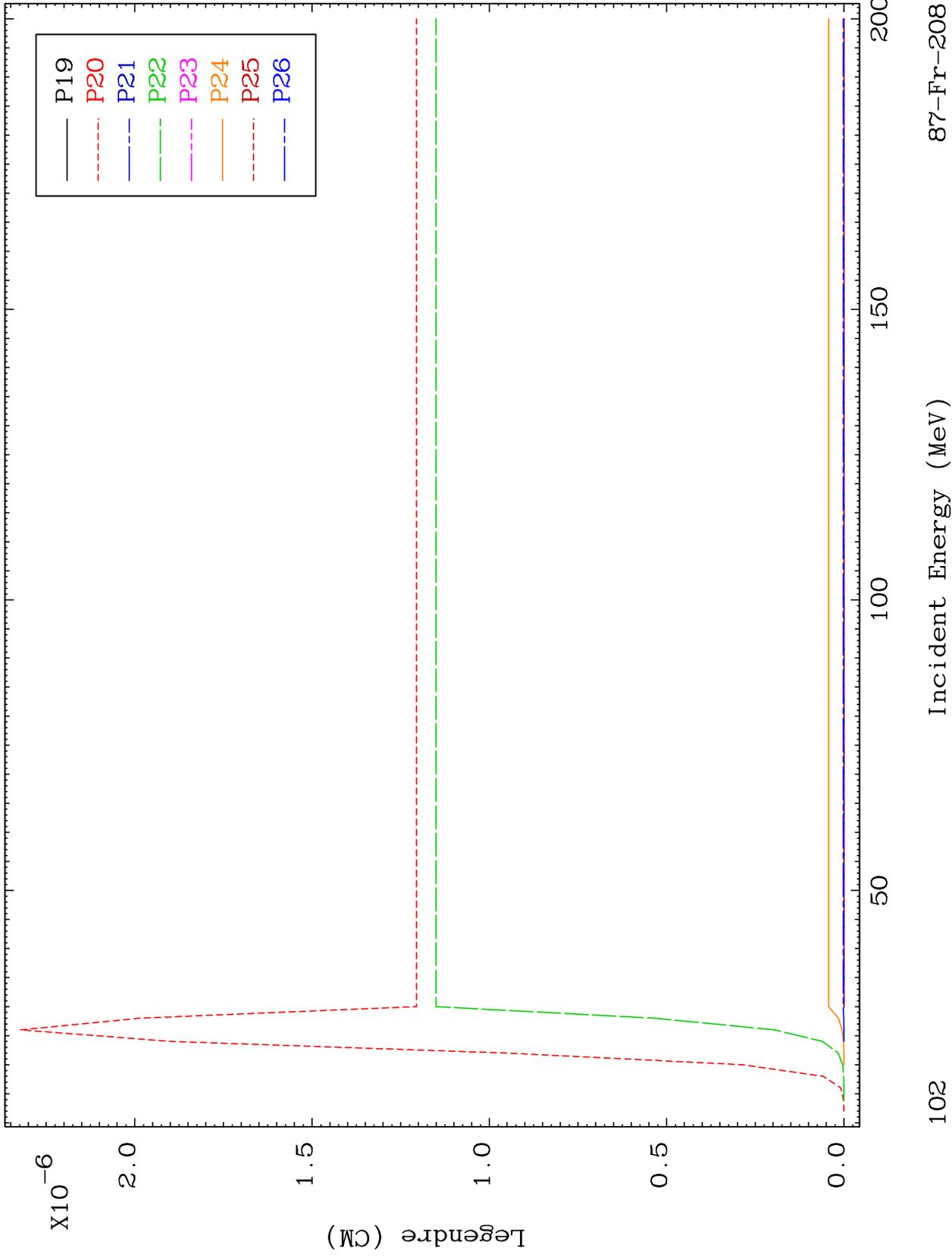
101

87-Fr-208

MAT 8713

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

87-Fr-208



102

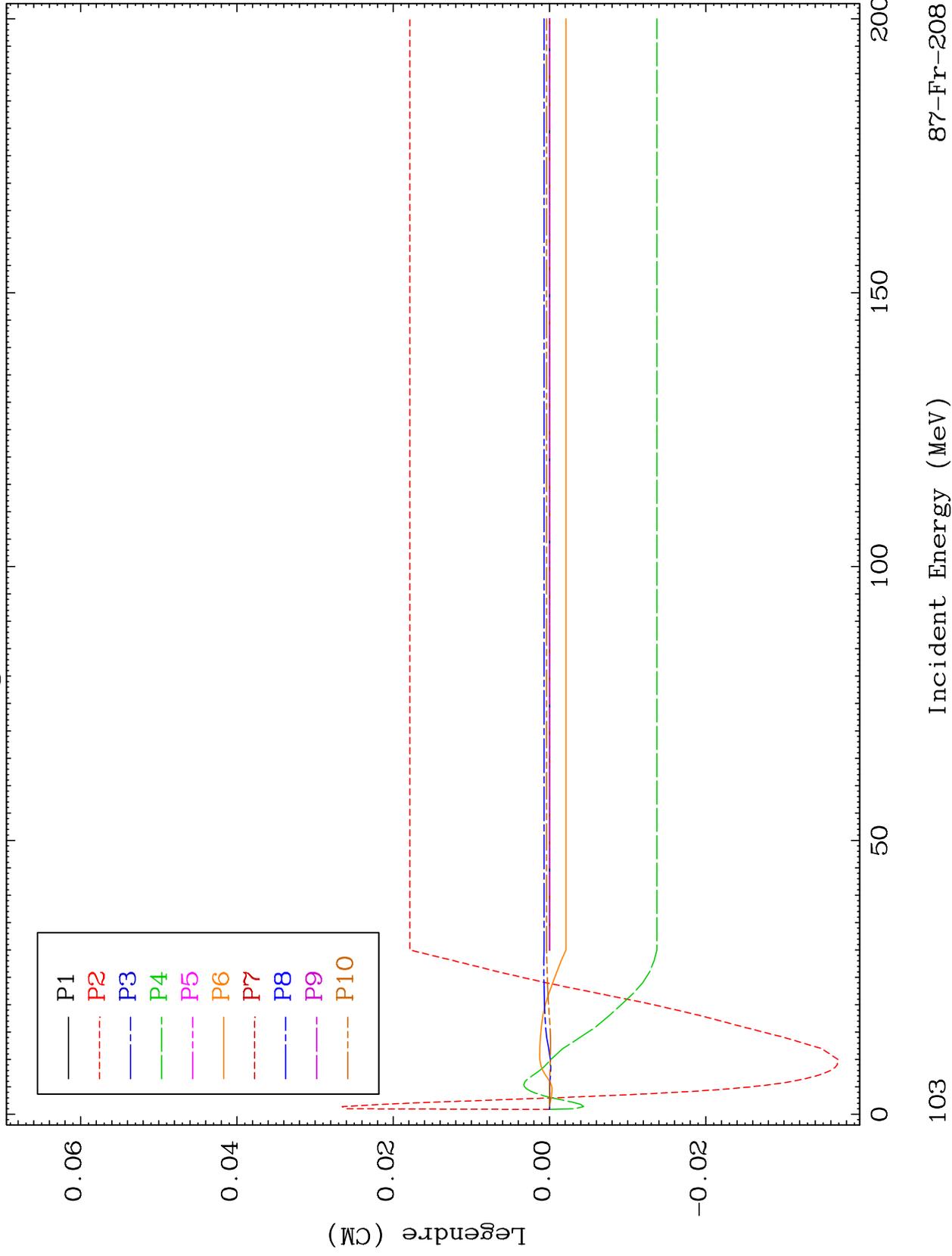
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



87-Fr-208

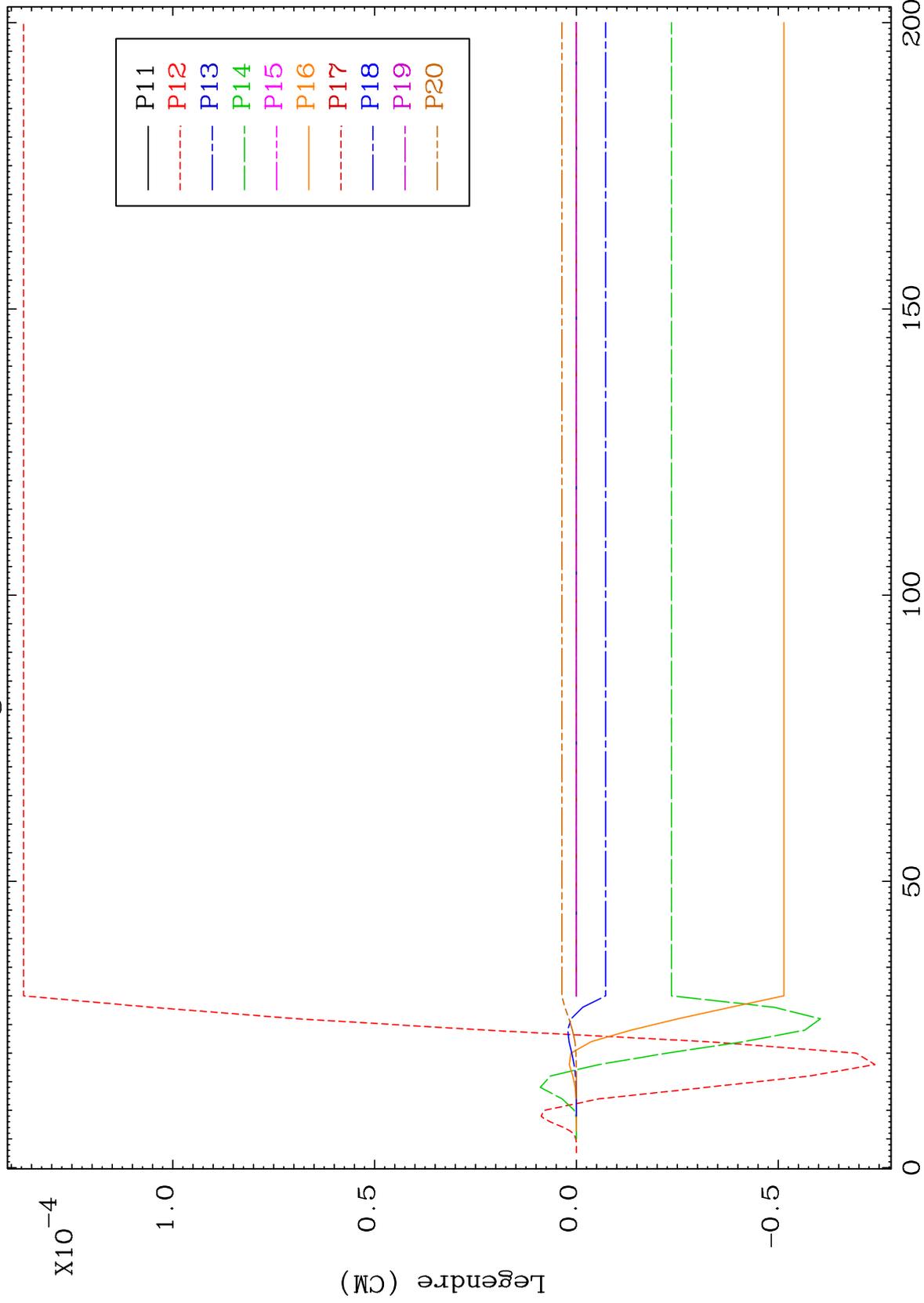
Incident Energy (MeV)

103

MAT 8713

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

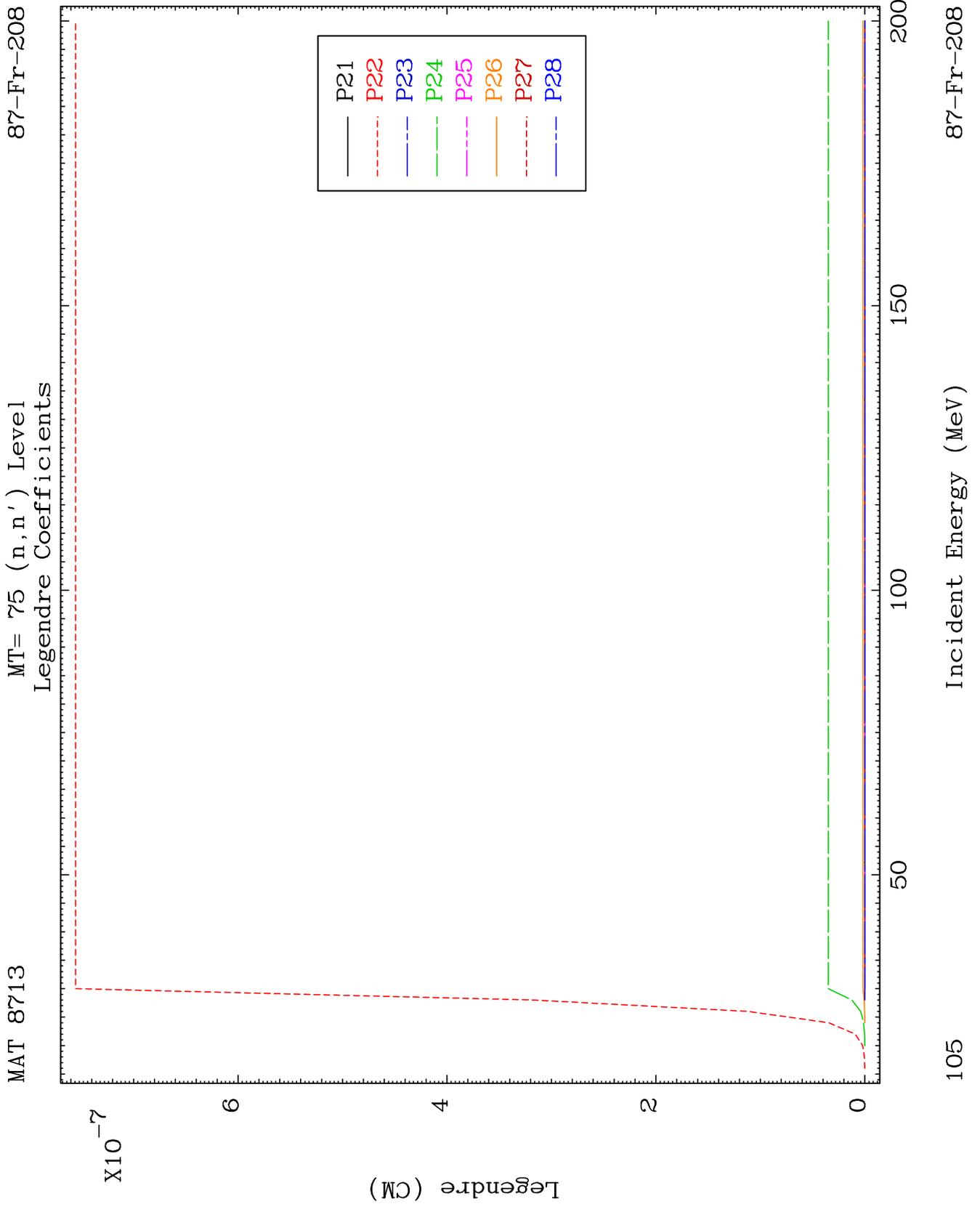
87-Fr-208



104

Incident Energy (MeV)

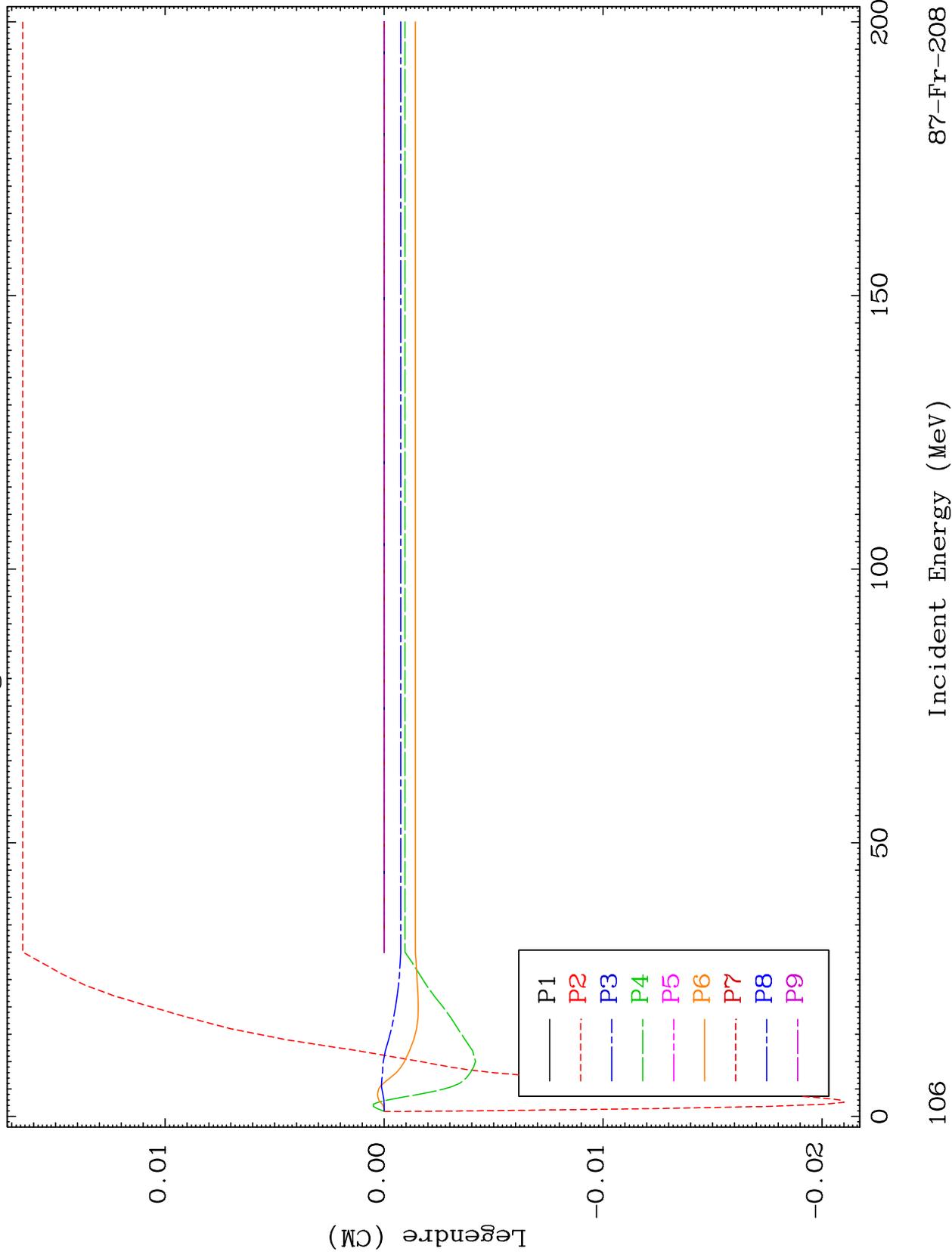
87-Fr-208



MAT 8713

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

87-Fr-208



106

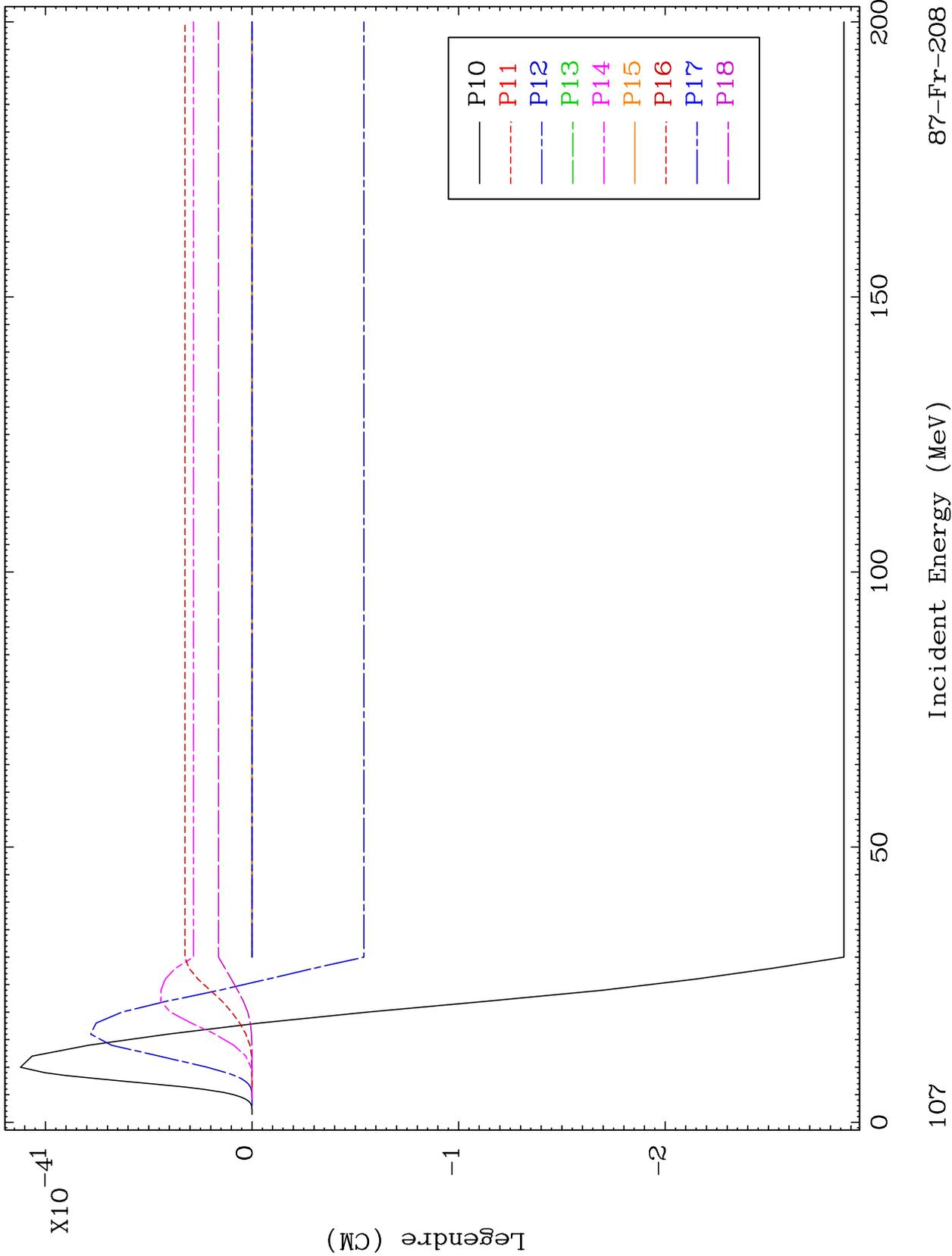
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

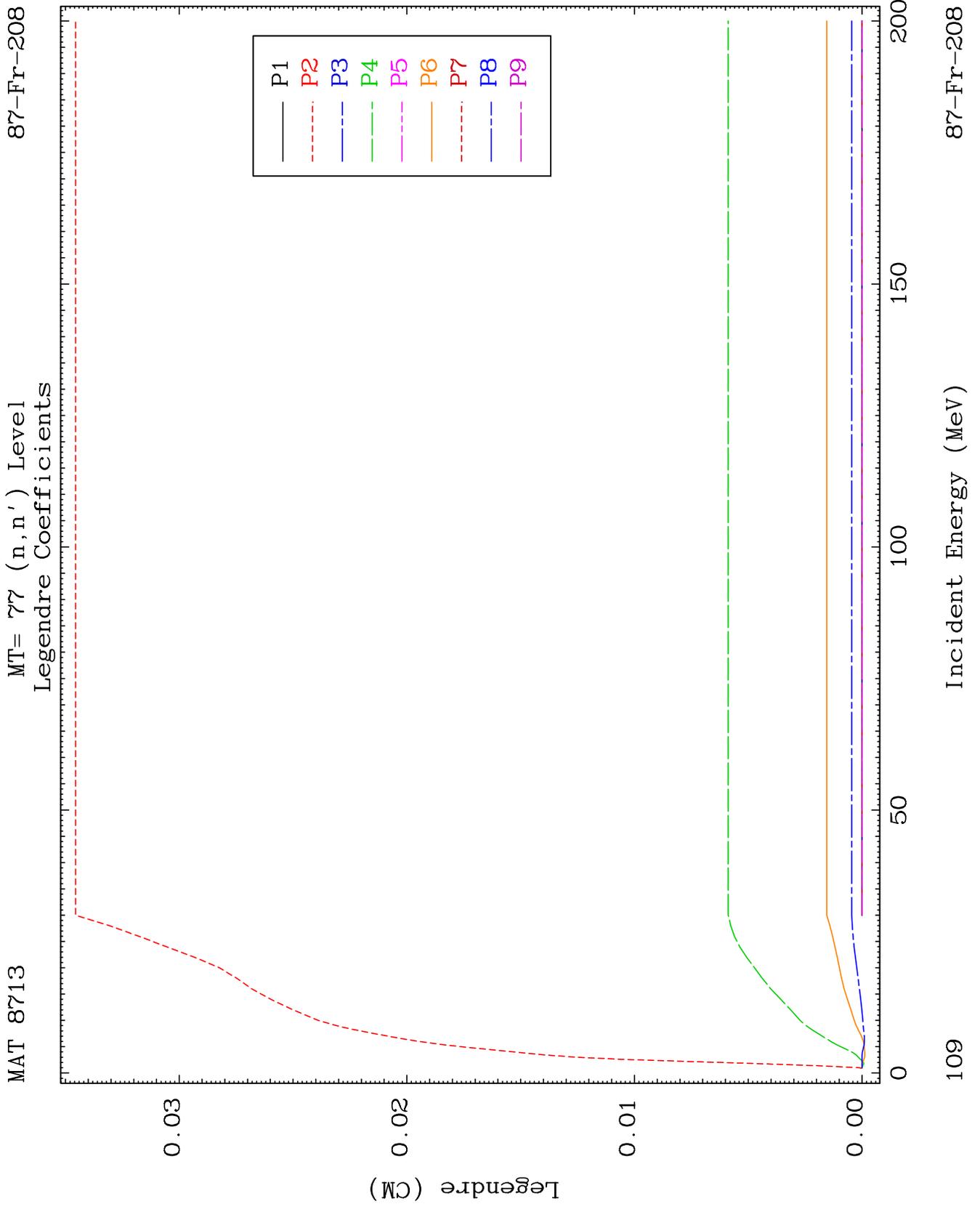
87-Fr-208



107

Incident Energy (MeV)

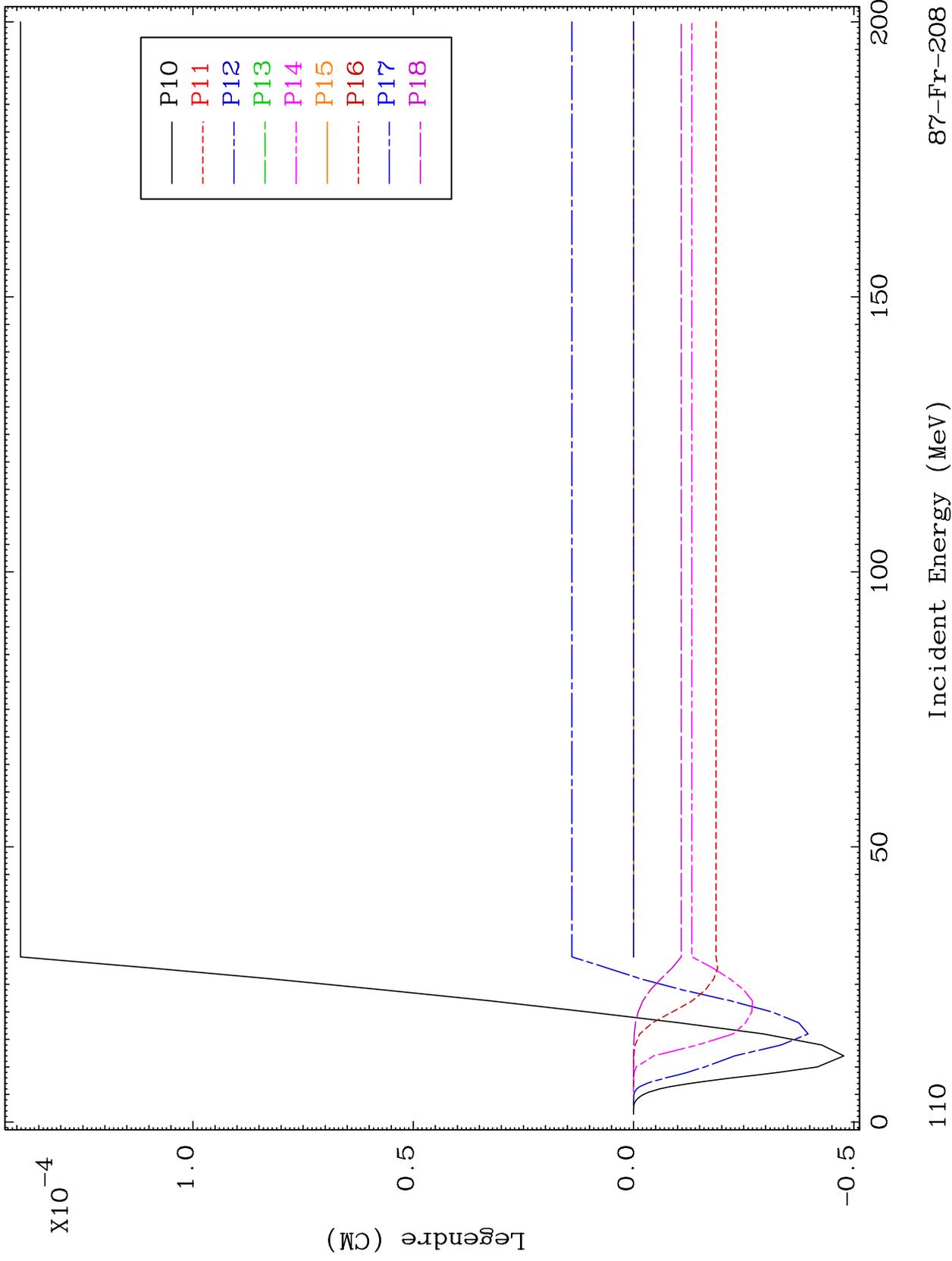
87-Fr-208



MAT 8713

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

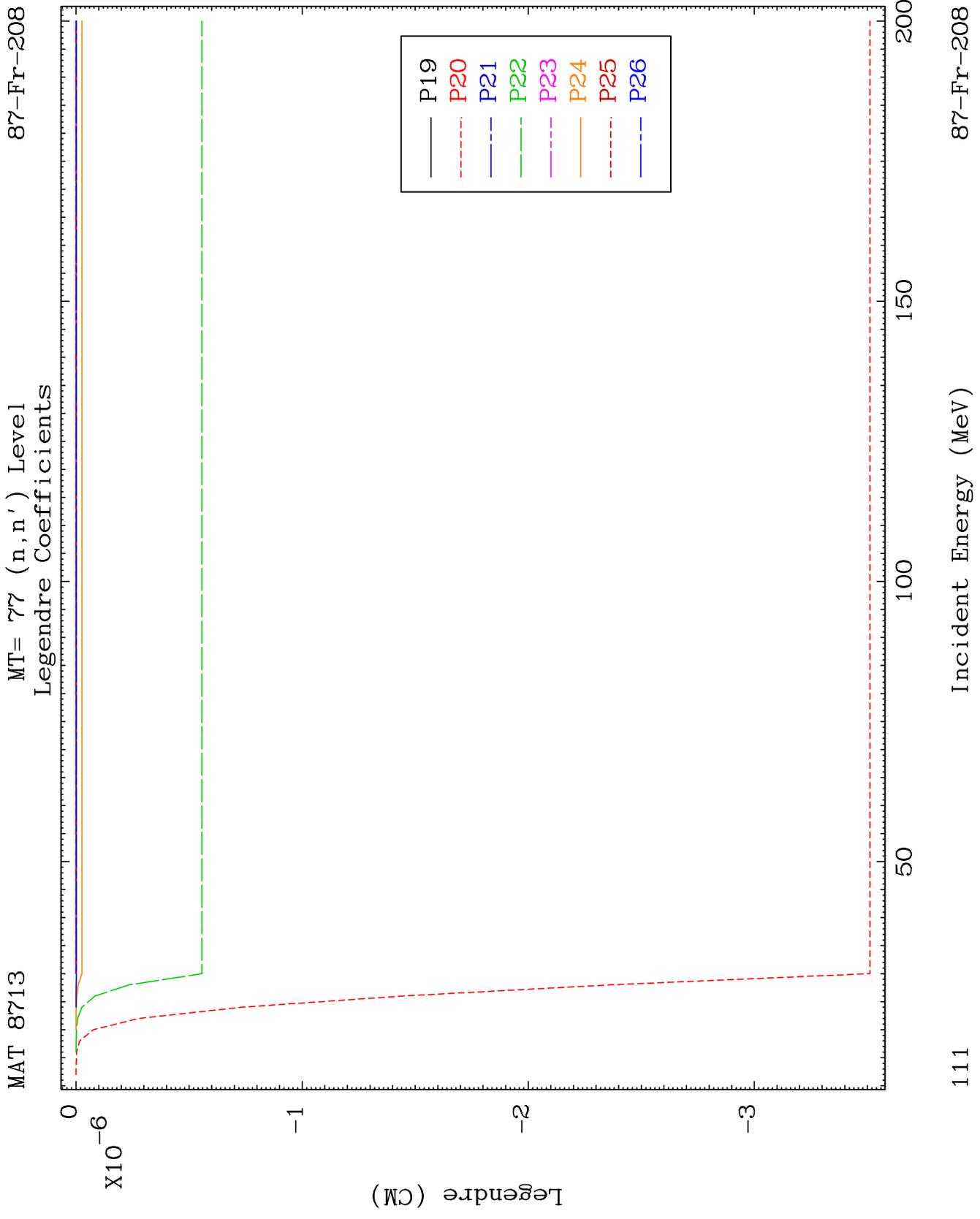
87-Fr-208



87-Fr-208

Incident Energy (MeV)

110

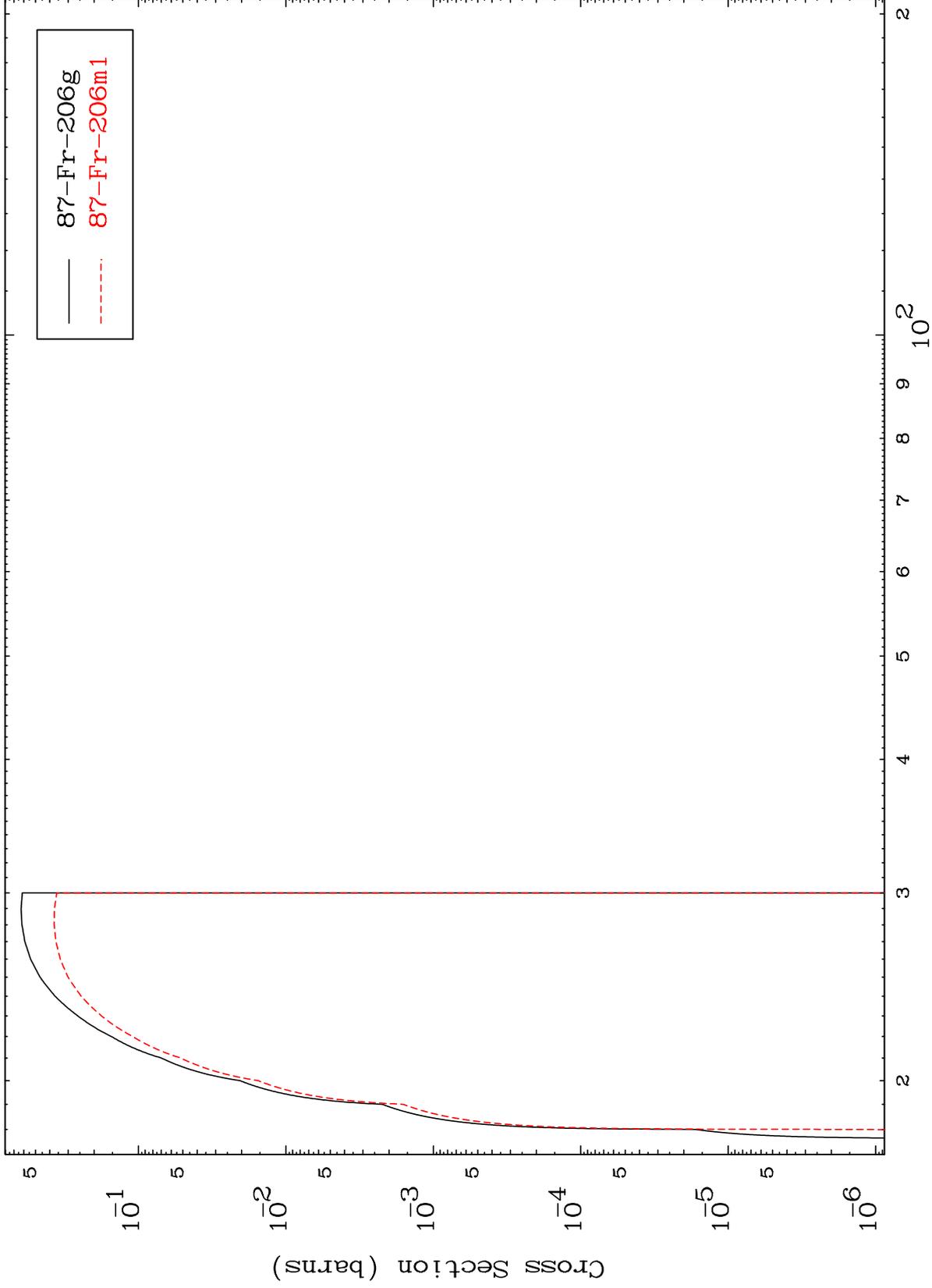


MAT 8713

(n,3n)

87-Fr-208

Radionuclide Production Cross Section



112

Incident Energy (MeV)

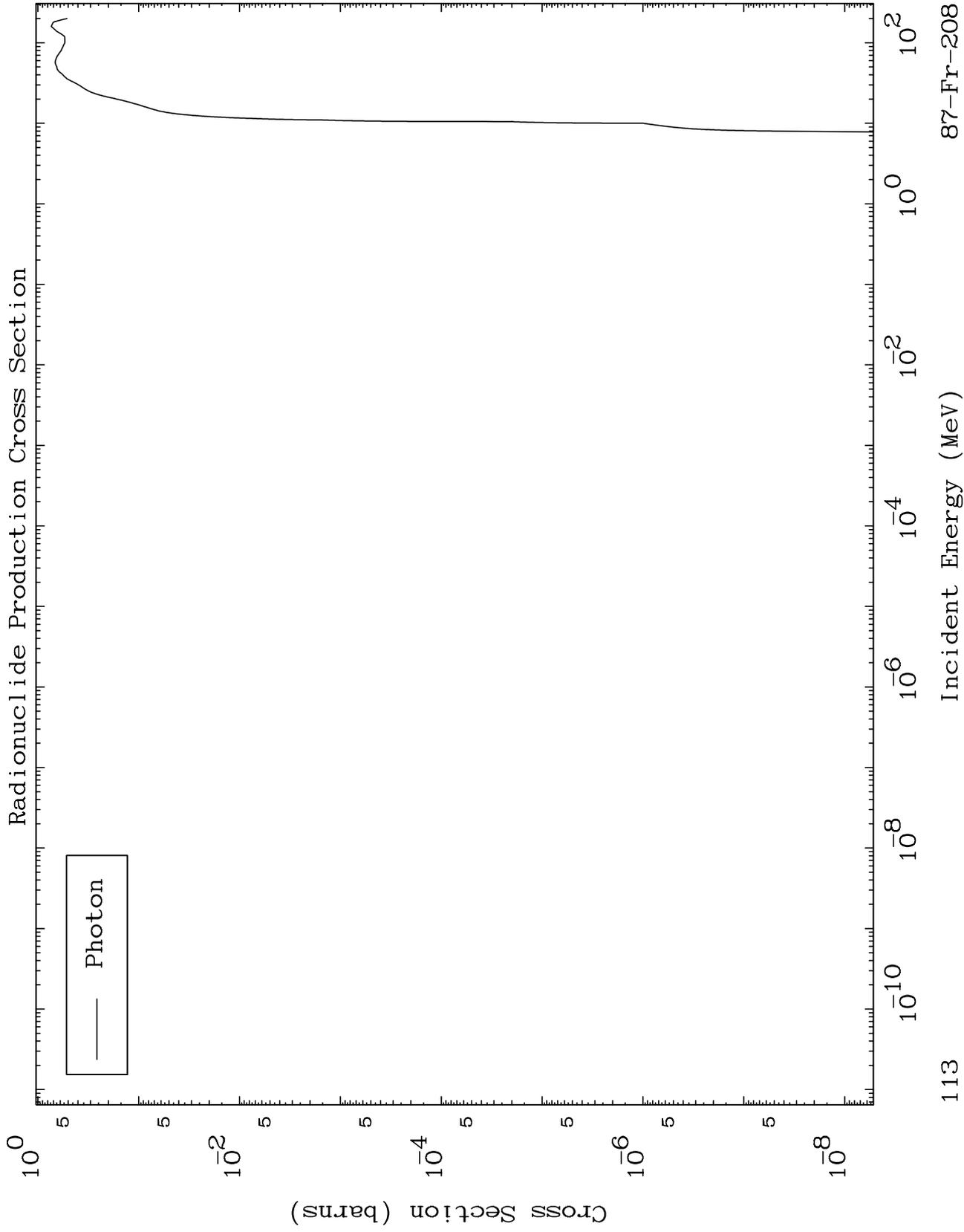
87-Fr-208

MAT 8713

Fission

87-Fr-208

Radionuclide Production Cross Section



113

Incident Energy (MeV)

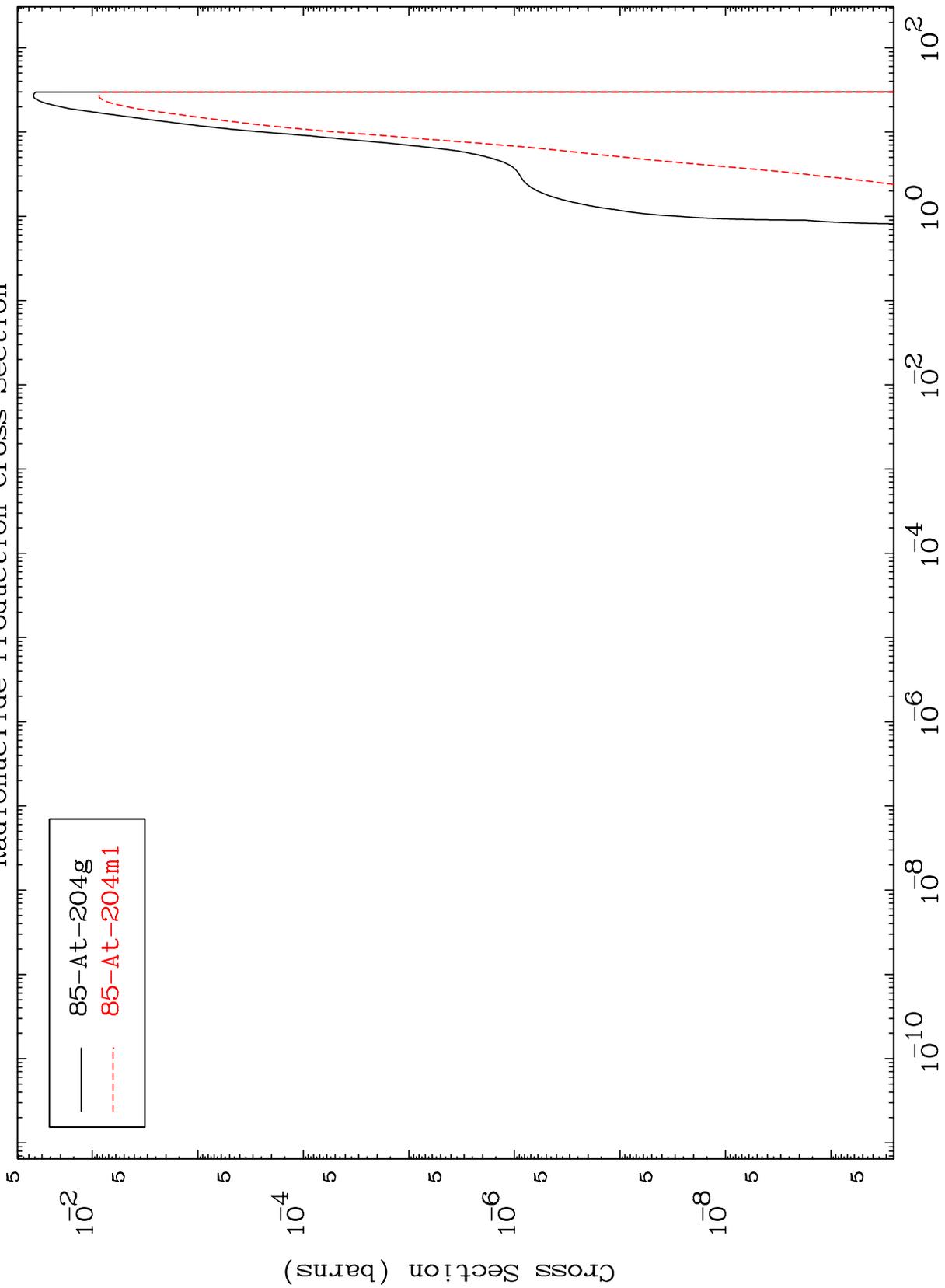
87-Fr-208

MAT 8713

$(n, n') \alpha$

87-Fr-208

Radionuclide Production Cross Section

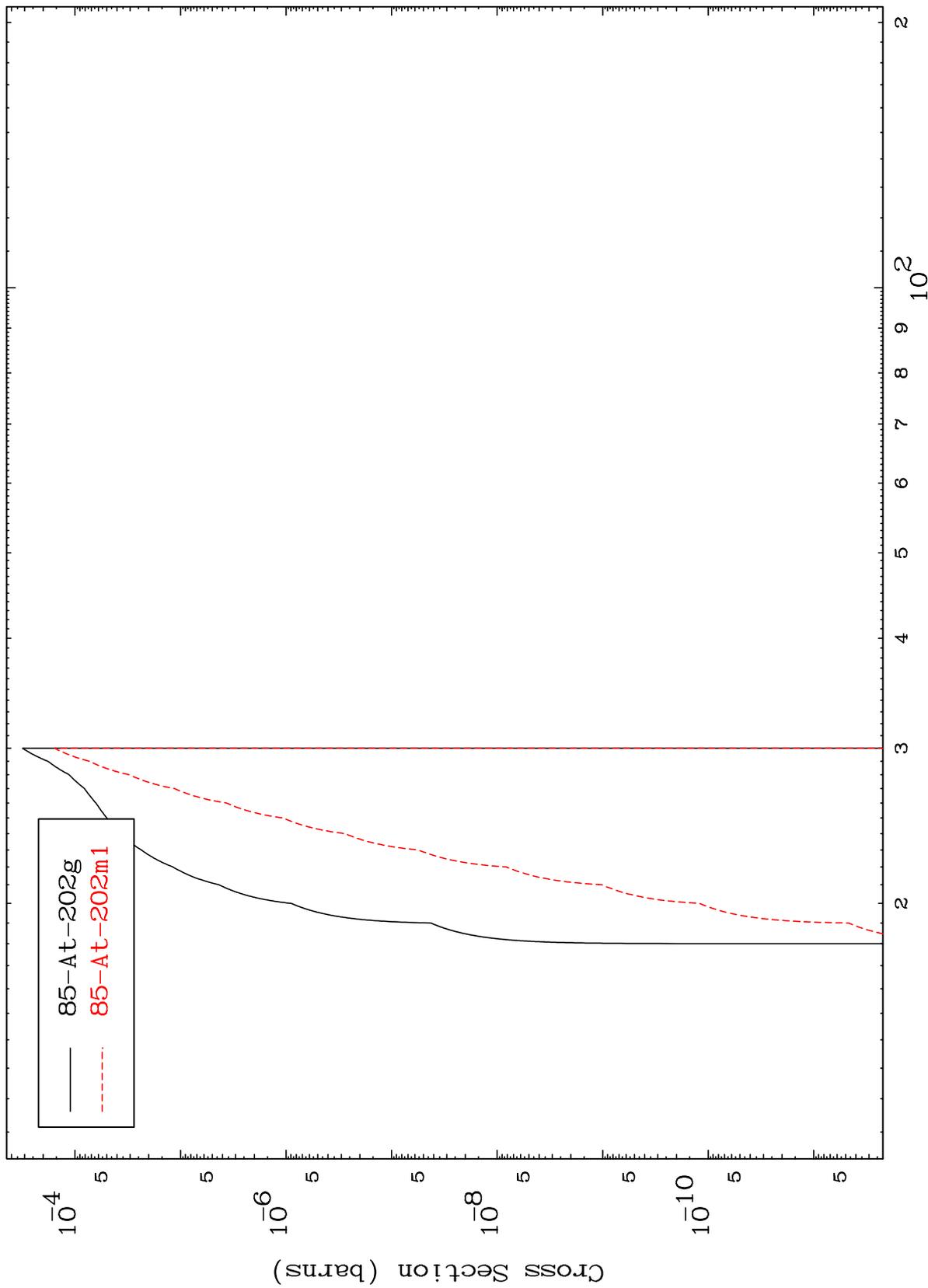


MAT 8713

(n,3n) α

87-Fr-208

Radionuclide Production Cross Section



115

Incident Energy (MeV)

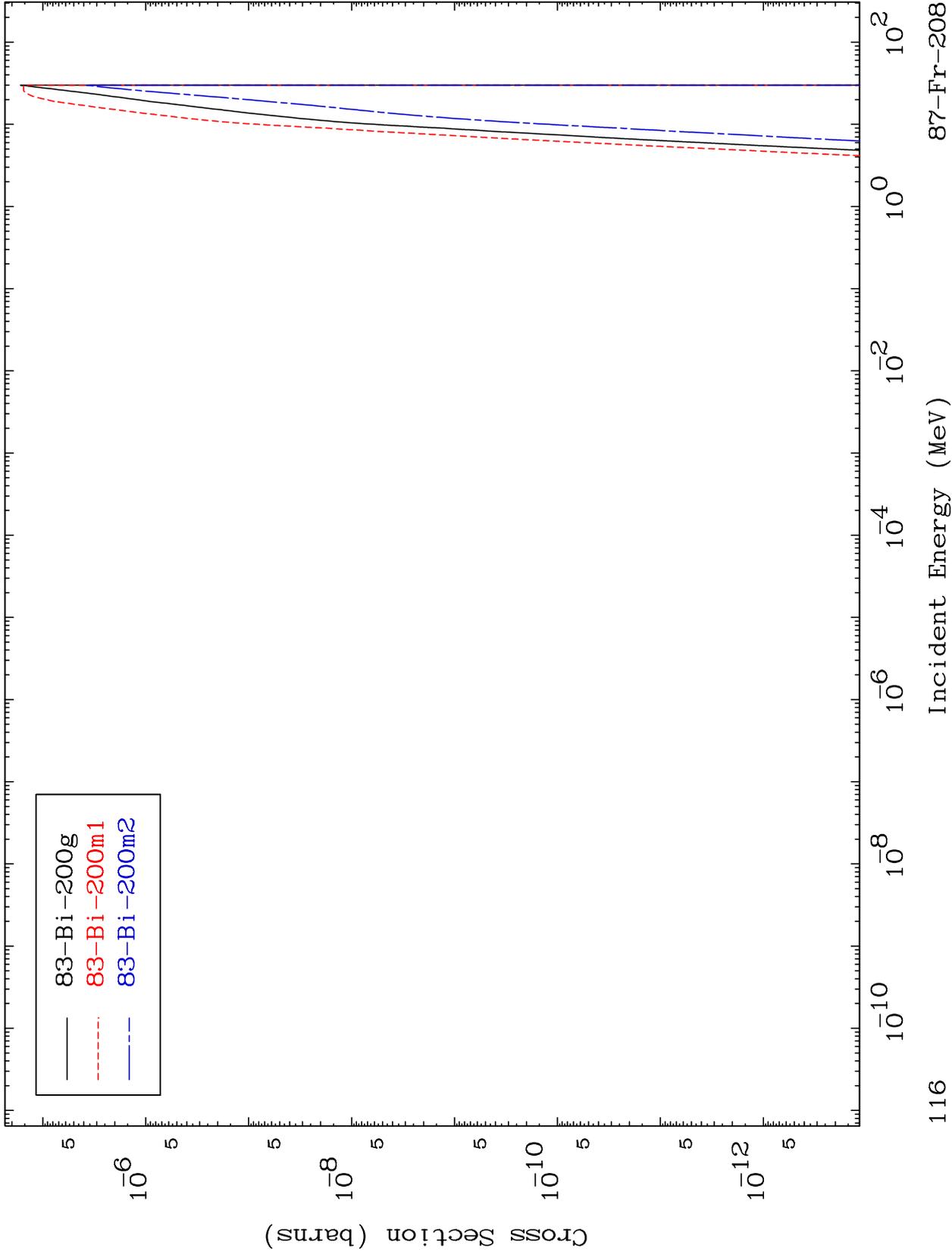
87-Fr-208

MAT 8713

(n,n') 2 α

87-Fr-208

Radionuclide Production Cross Section



116

Incident Energy (MeV)

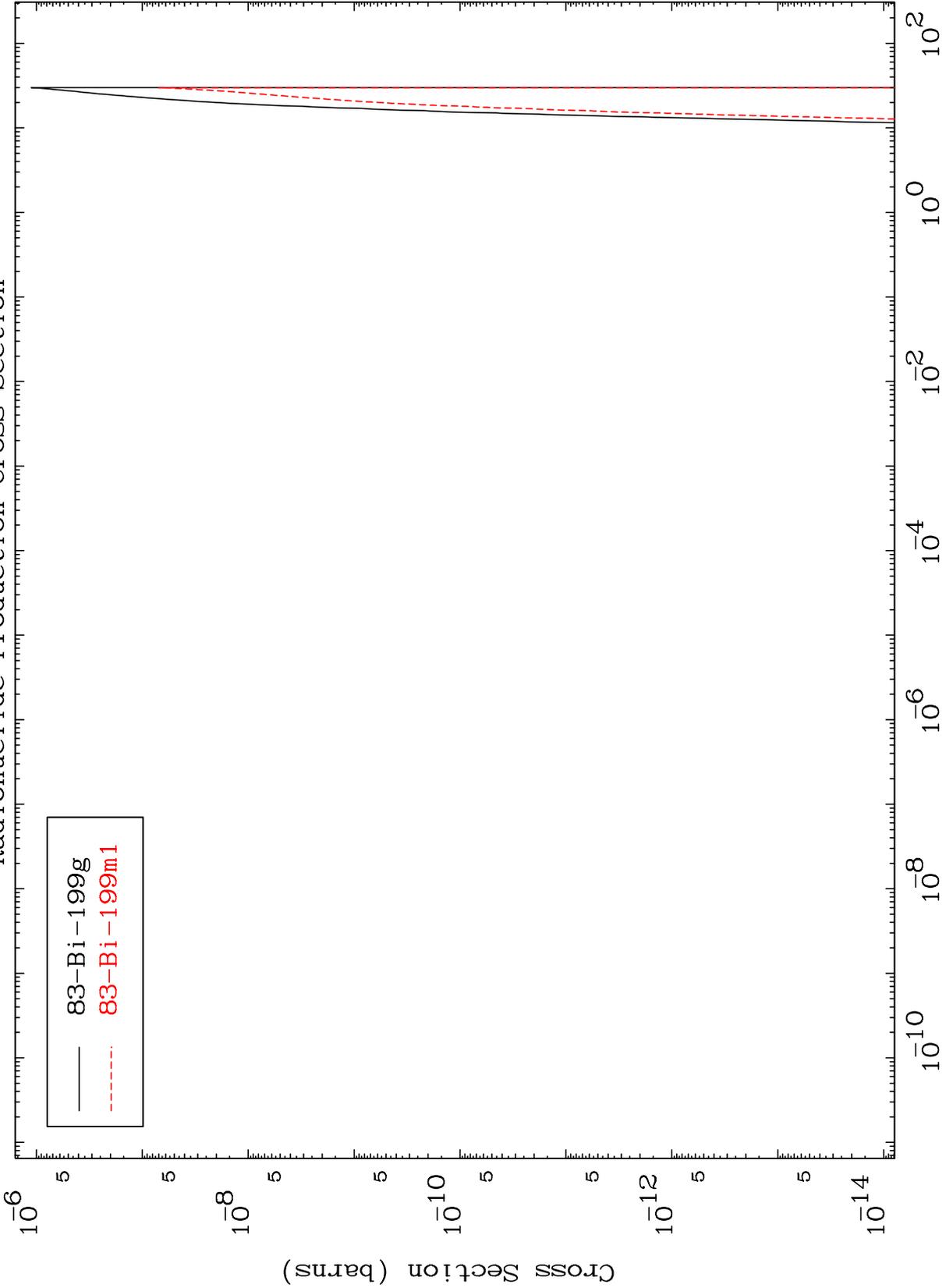
87-Fr-208

MAT 8713

(n,2n) 2 α

87-Fr-208

Radionuclide Production Cross Section



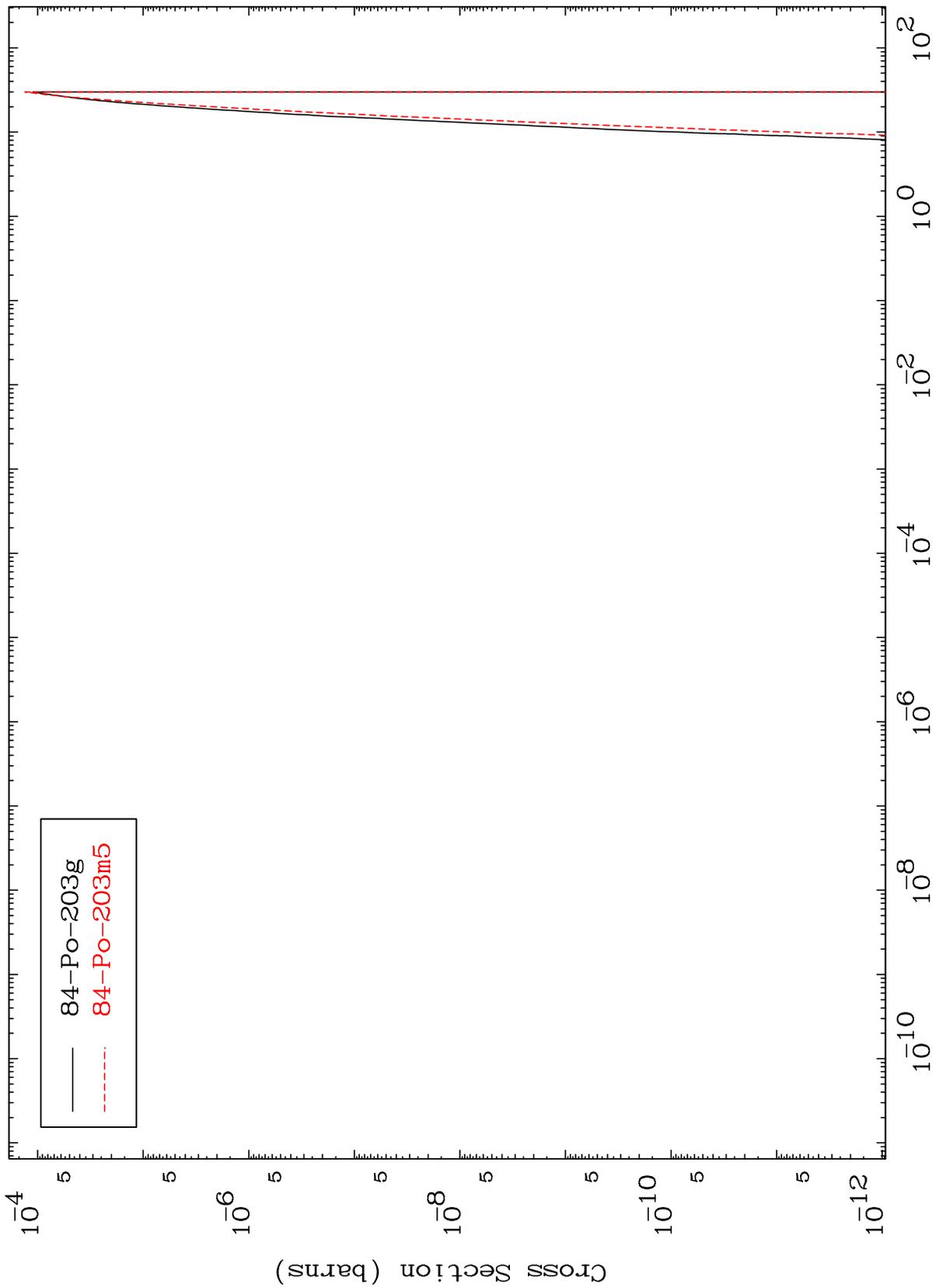
83-Bi-199g
83-Bi-199m1

MAT 8713

(n,n') p α

87-Fr-208

Radionuclide Production Cross Section



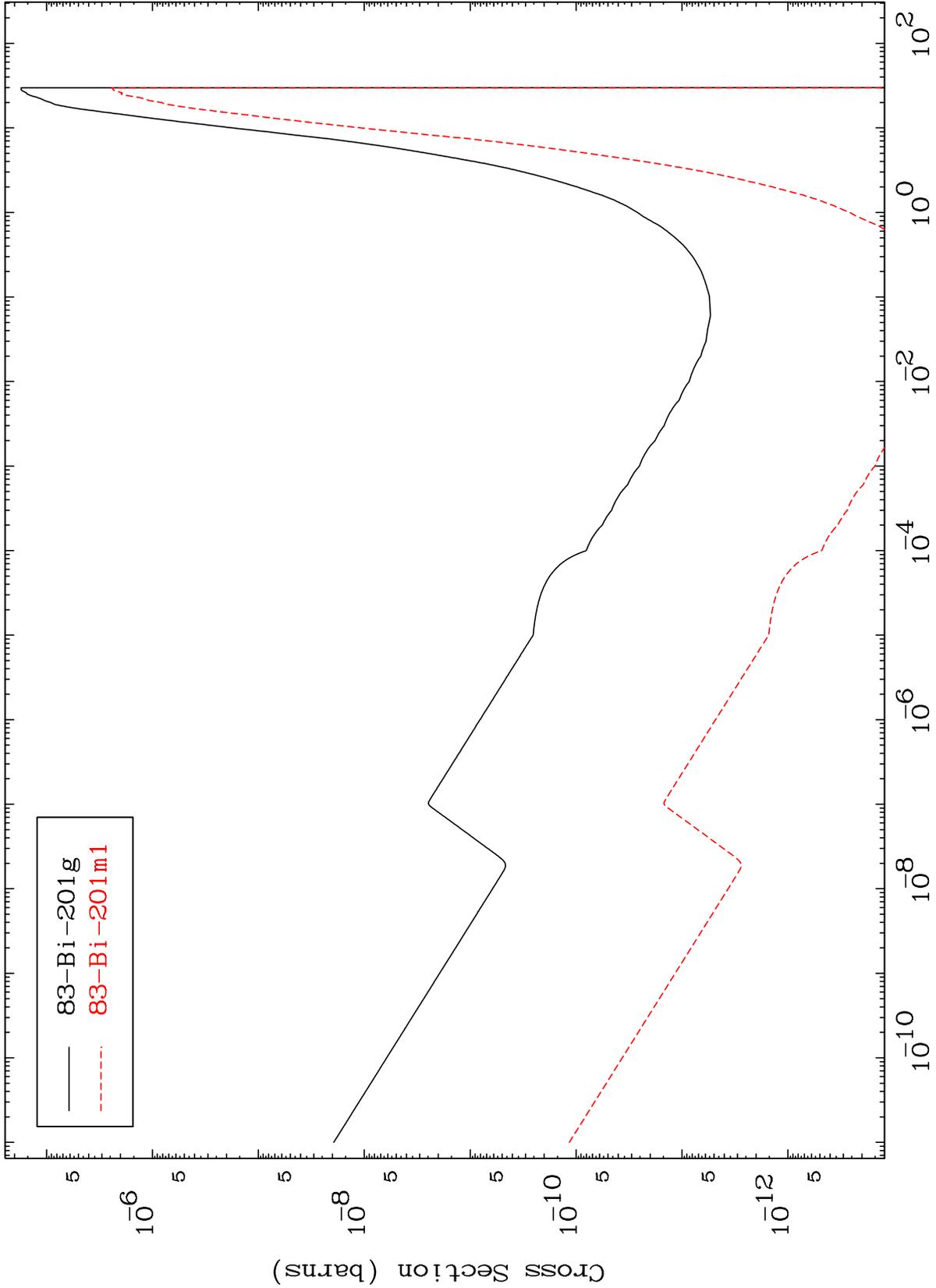
84-Po-203g
84-Po-203m5

MAT 8713

(n,2α)

87-Fr-208

Radionuclide Production Cross Section



83-Bi-201g
83-Bi-201m1

MAT 8713

(n,d) α

87-Fr-208

Radionuclide Production Cross Section

