

Program EVALPLOT
(Version 2021-1)

by

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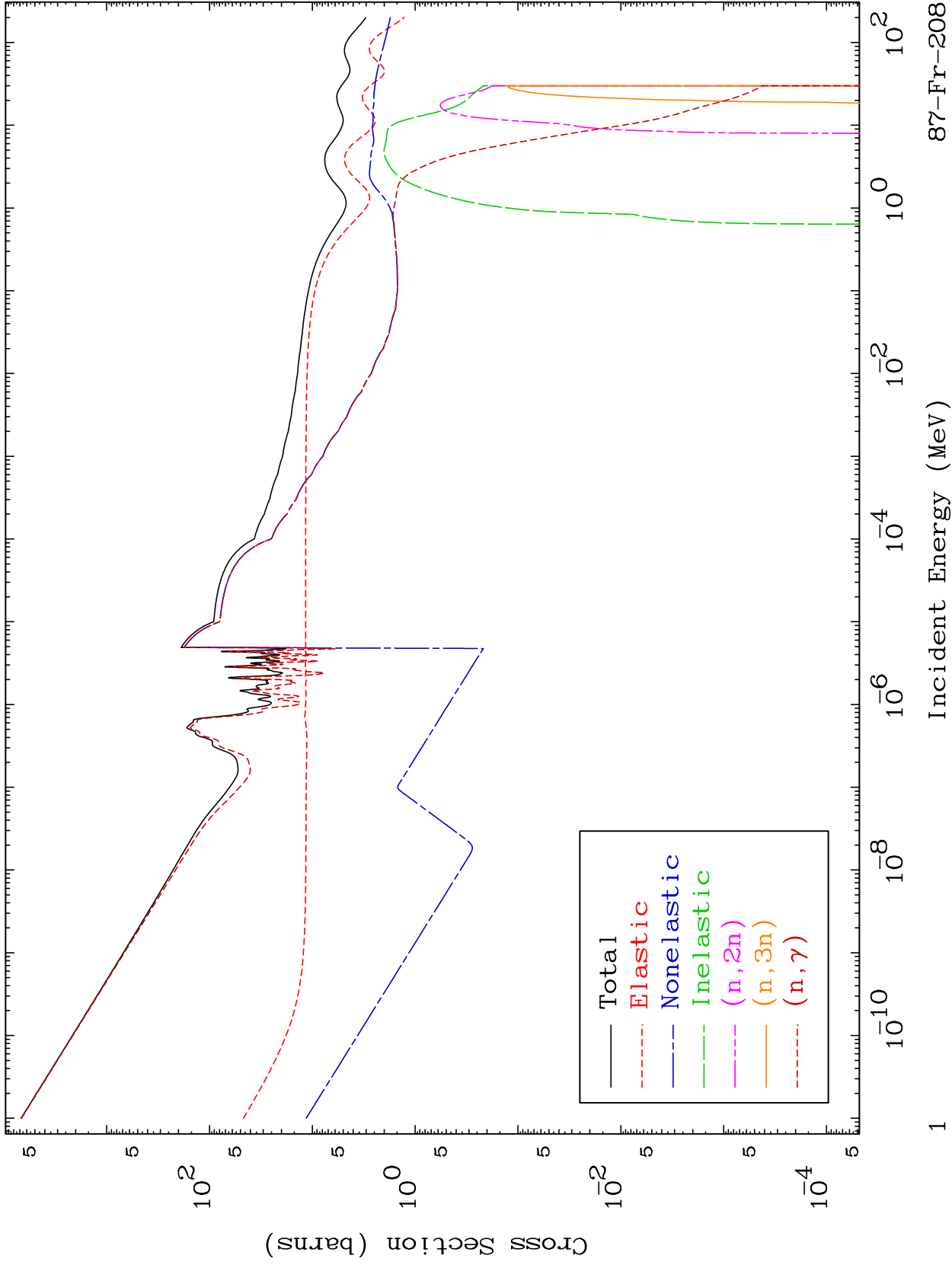
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Press Mouse Button to Start

MAT 8713

Neutron Major
293 Kelvin Cross Sections

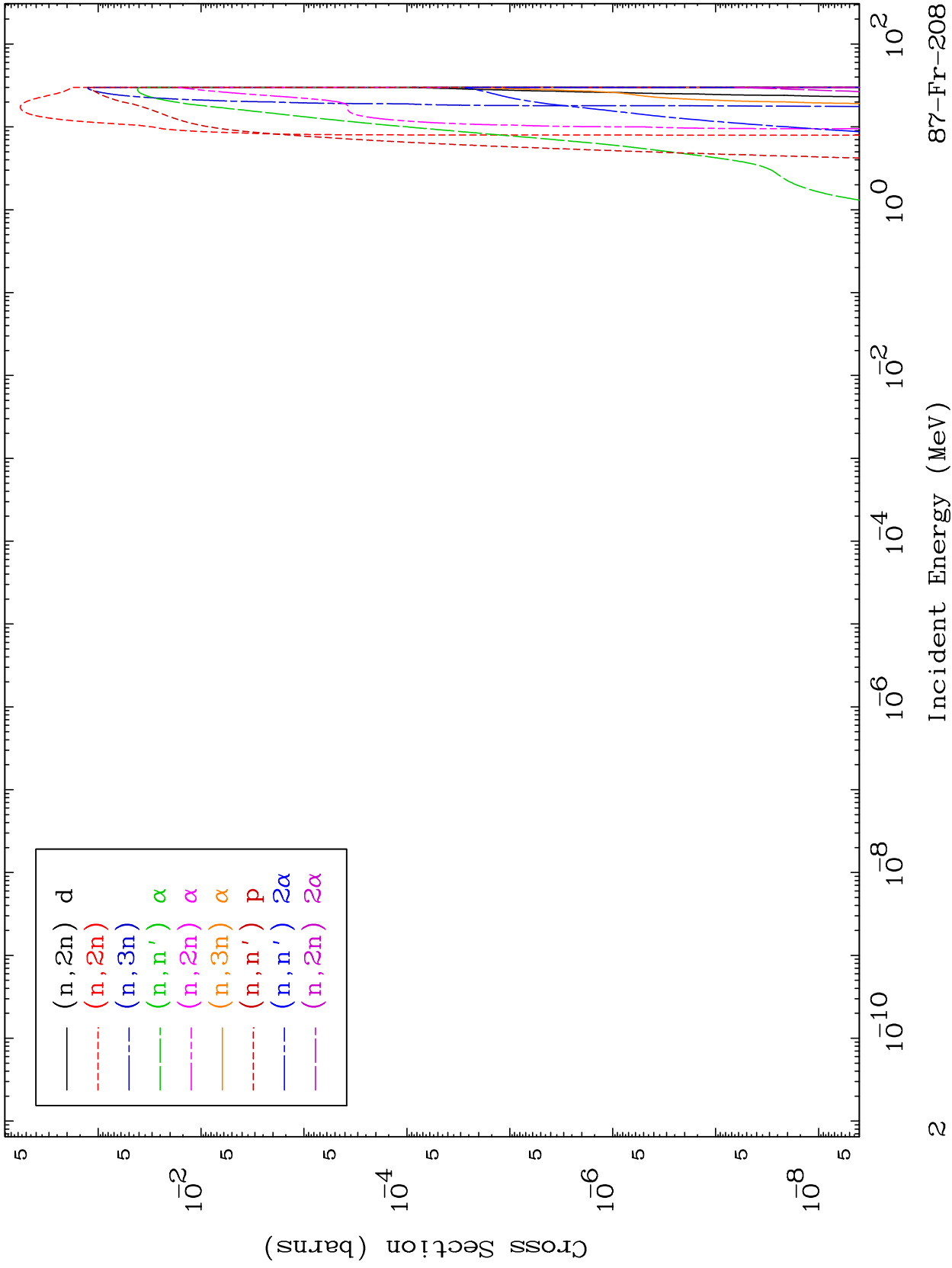
87-Fr-208



MAT 8713

Neutron Absorption
293 Kelvin Cross Sections

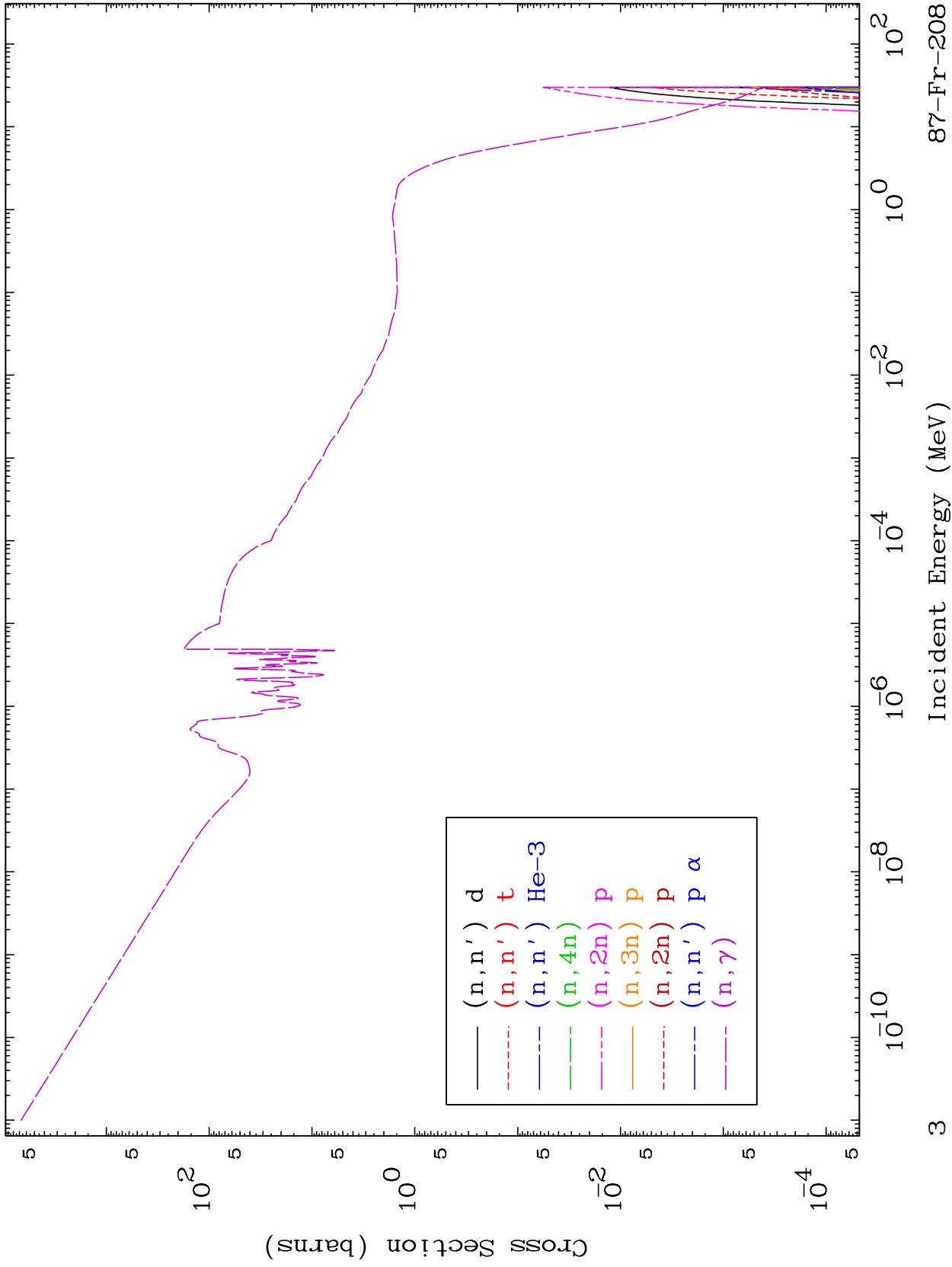
87-Fr-208



MAT 8713

Neutron Absorption
293 Kelvin Cross Sections

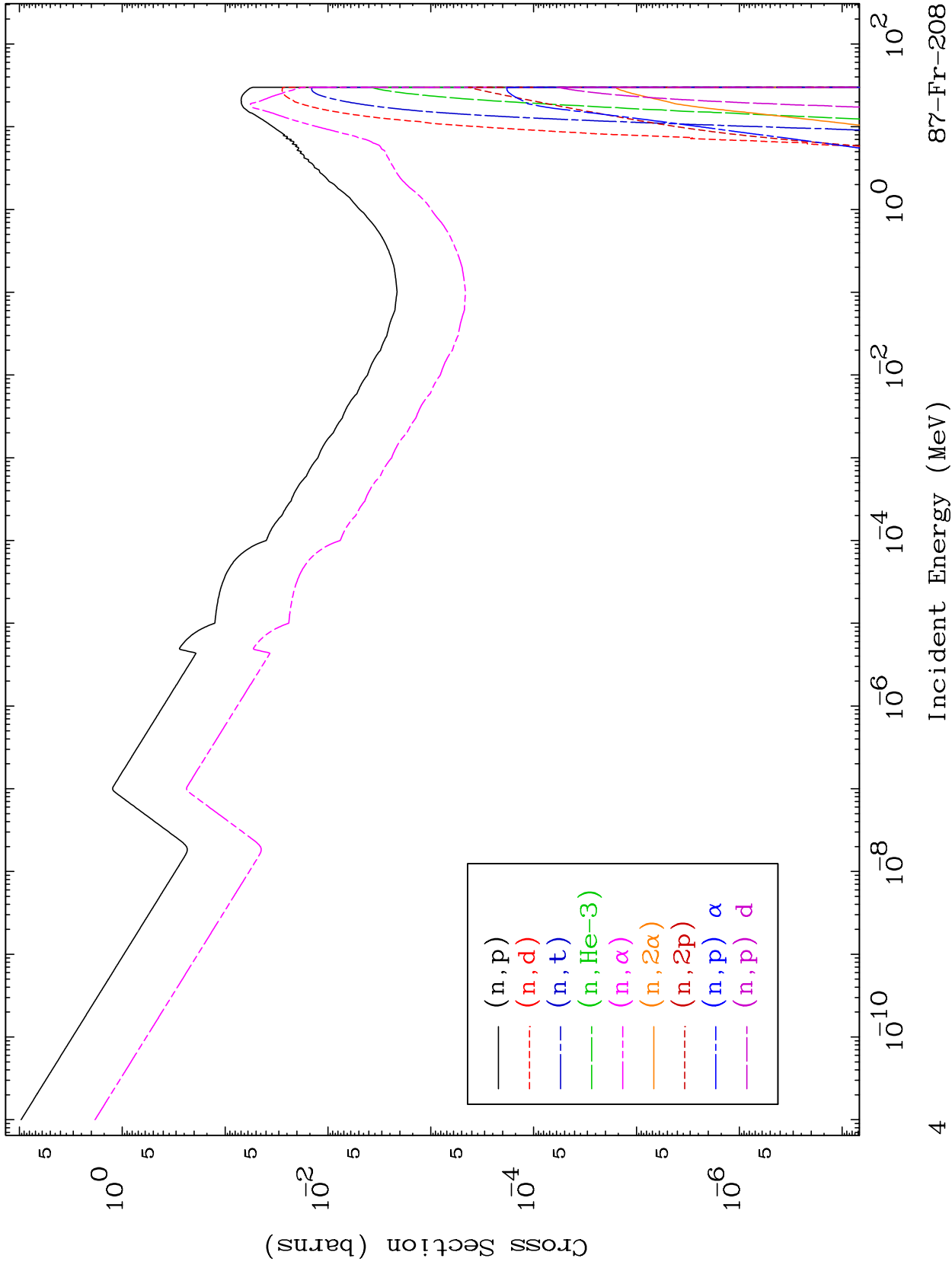
87-Fr-208



MAT 8713

Neutron Absorption
293 Kelvin Cross Sections

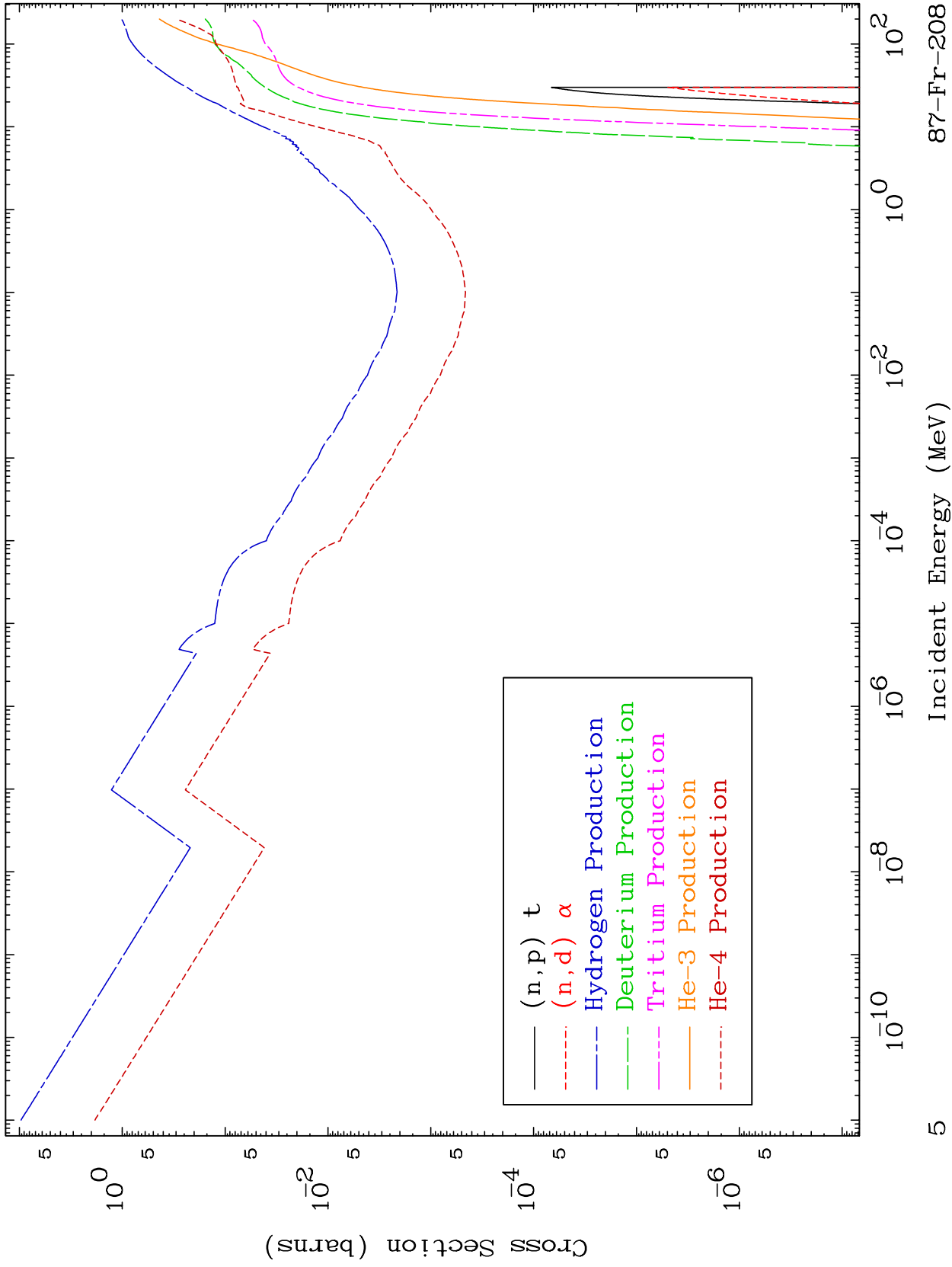
87-Fr-208



MAT 8713

Neutron Absorption
293 Kelvin Cross Sections

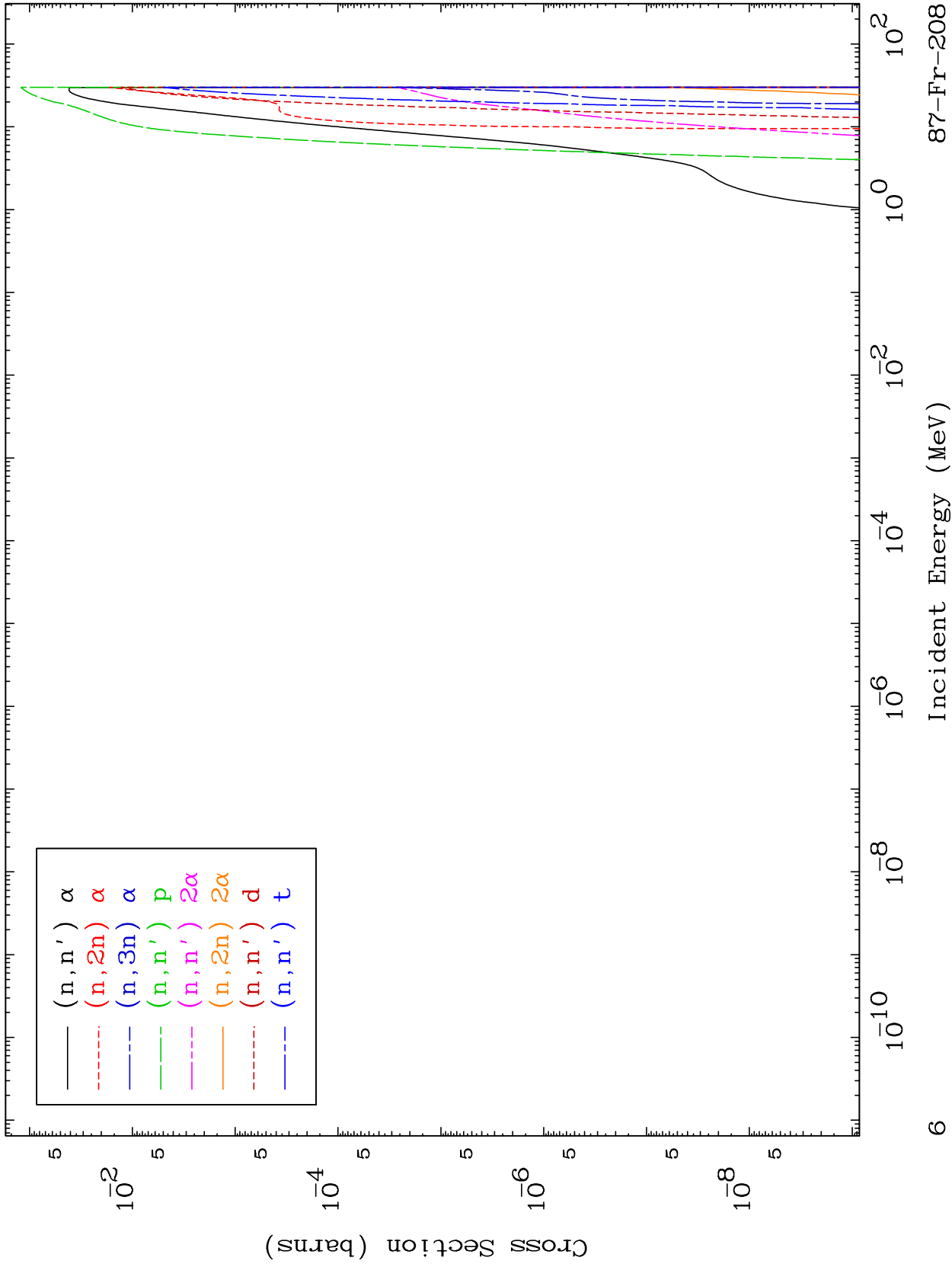
87-Fr-208



MAT 8713

Charged Particle
293 Kelvin Cross Sections

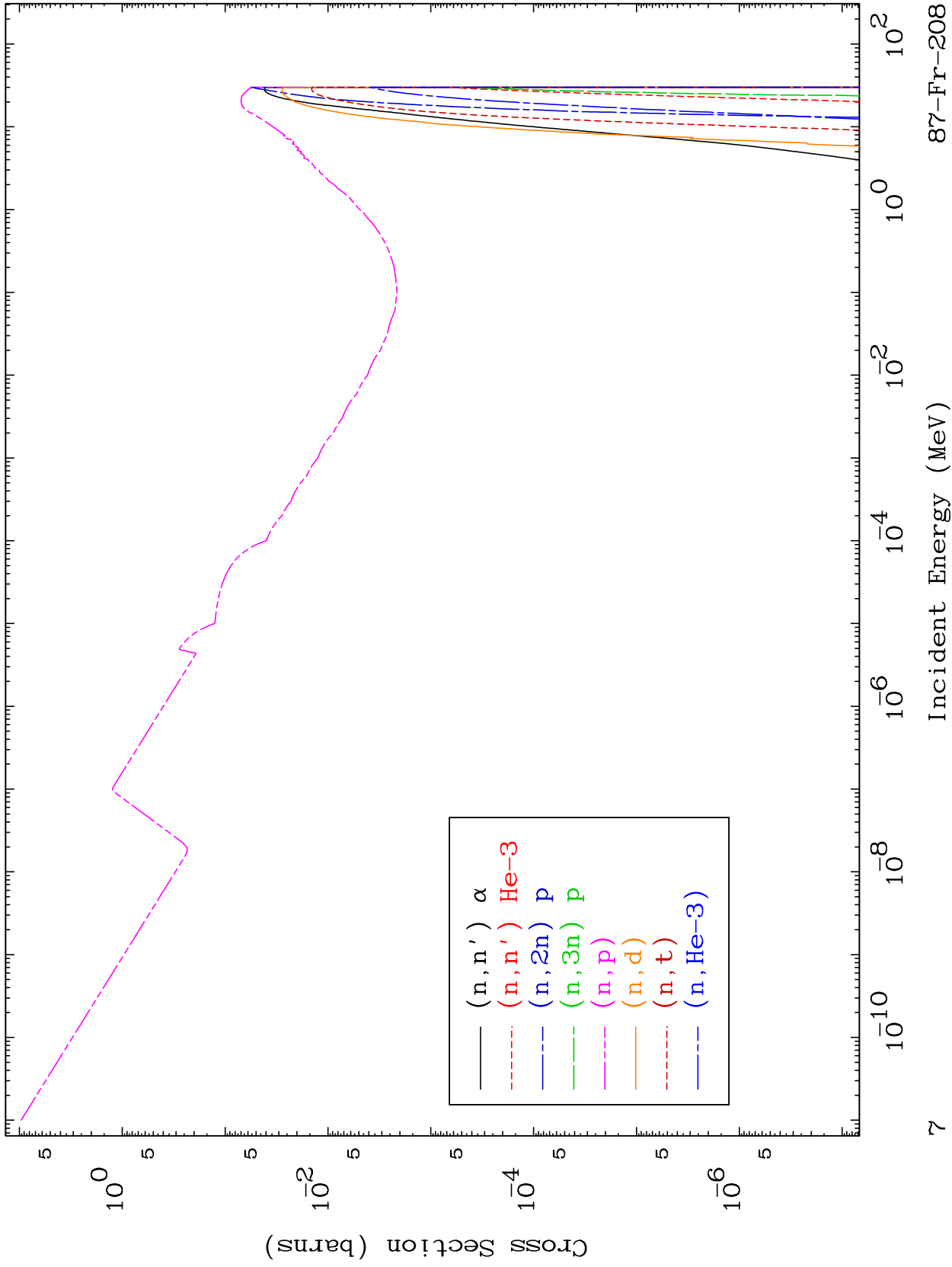
87-Fr-208



MAT 8713

Charged Particle
293 Kelvin Cross Sections

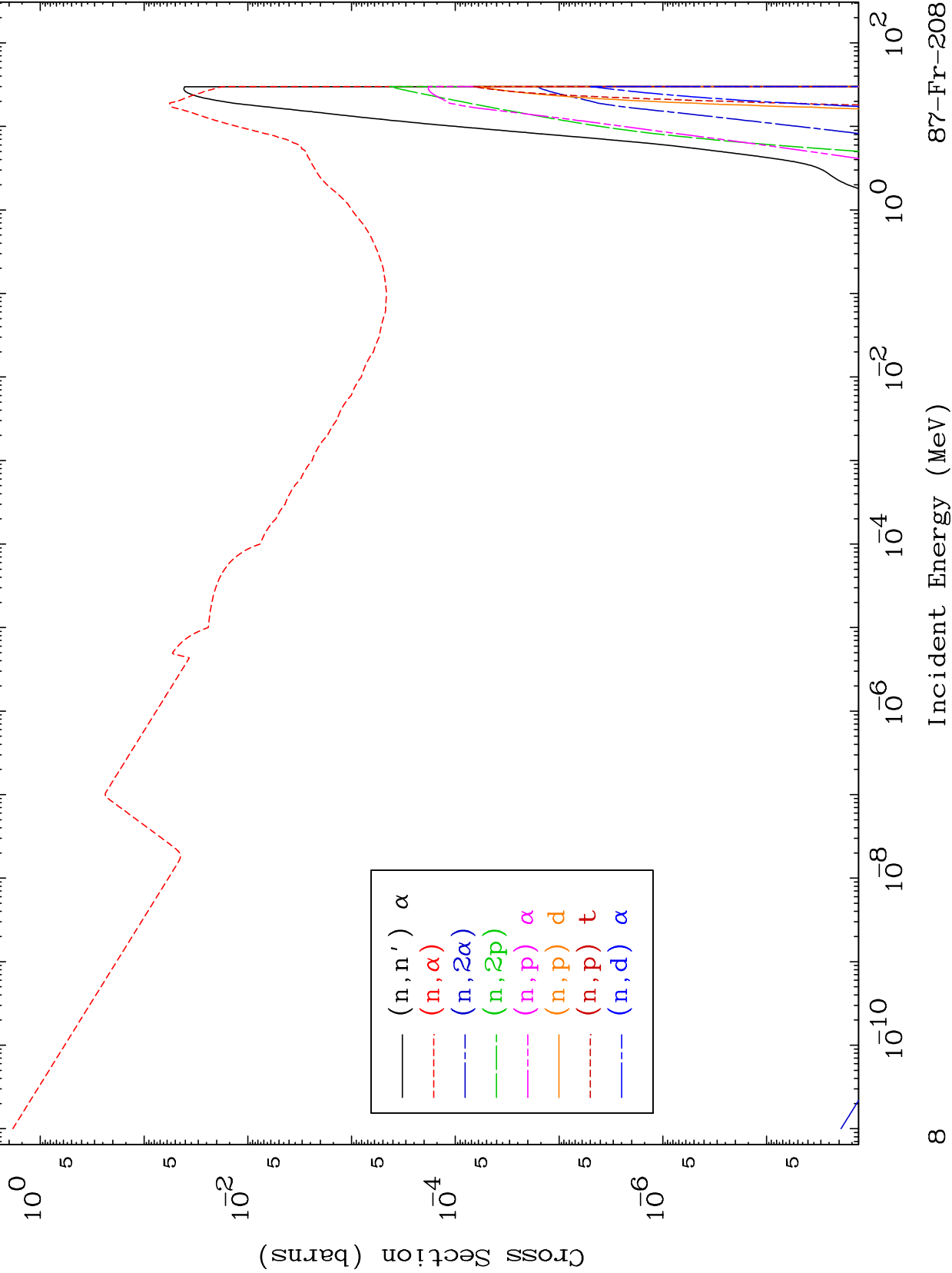
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MAT 8713

Charged Particle
293 Kelvin Cross Sections

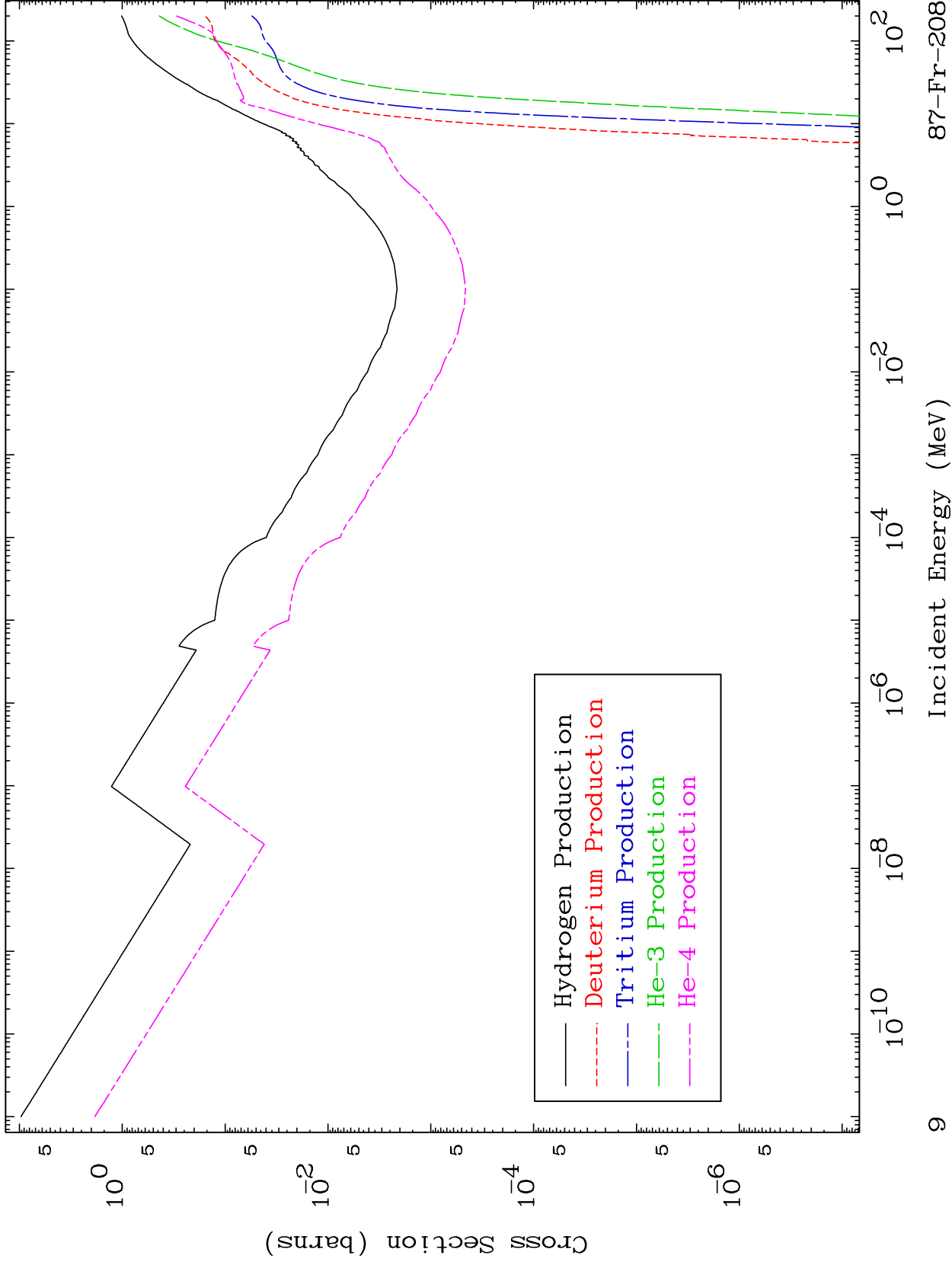
87-Fr-208



MAT 8713

Particle Production
293 Kelvin Cross Sections

87-Fr-208

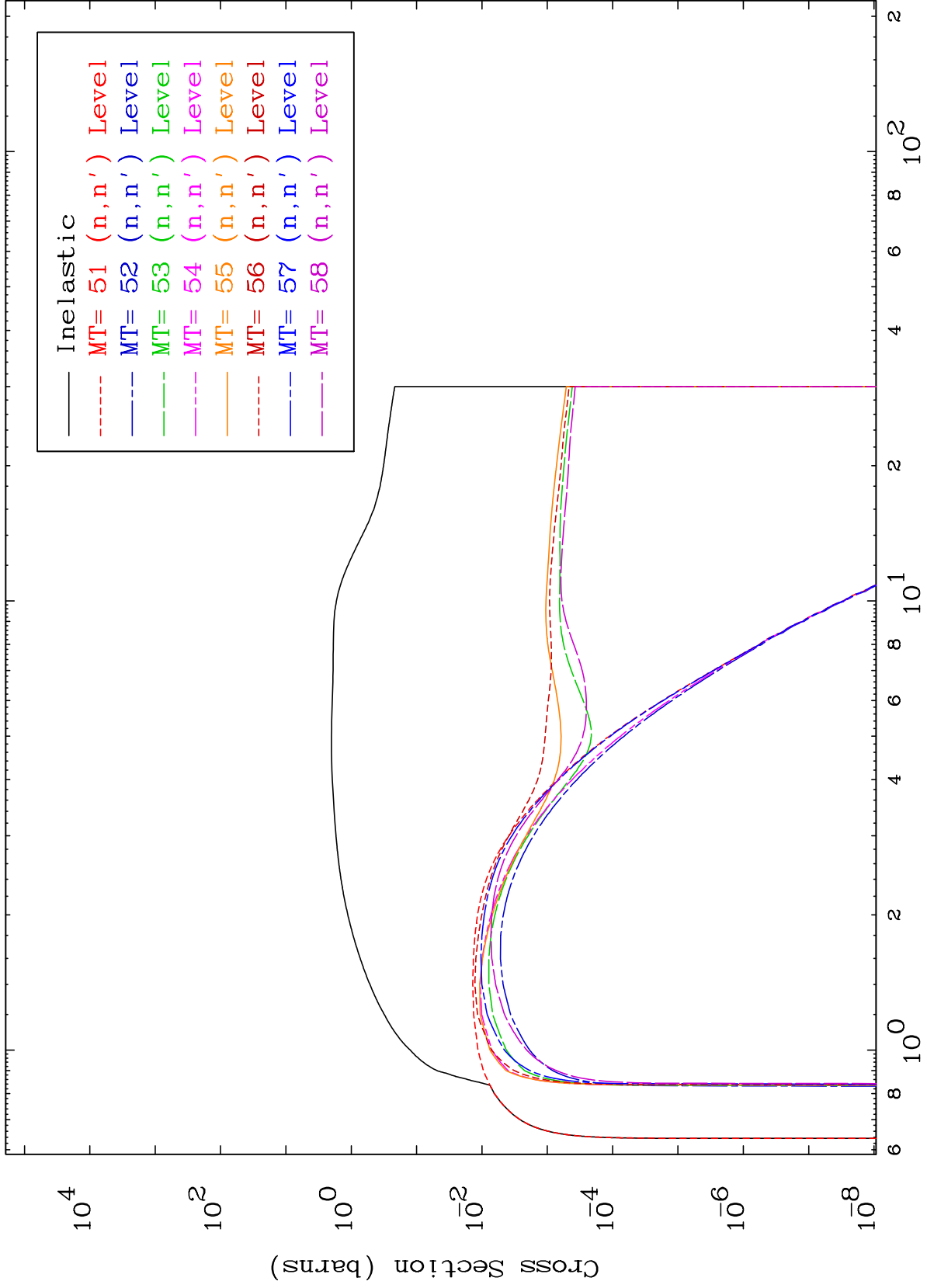


MAT 8713

(n,n') Levels

87-Fr-208

293 Kelvin Cross Sections

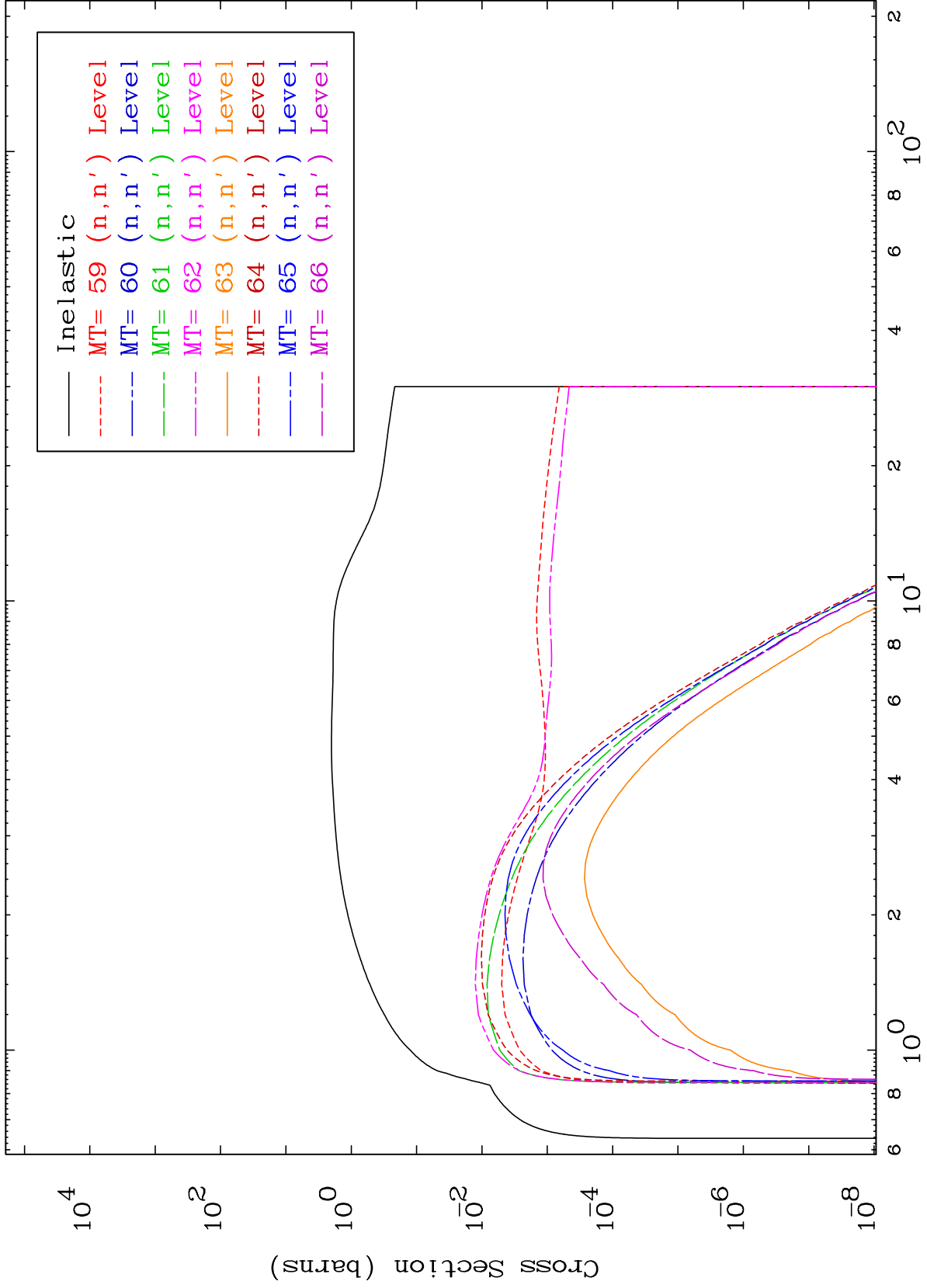


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Incident Energy (MeV)

87-Fr-208

293 Kelvin Cross Sections

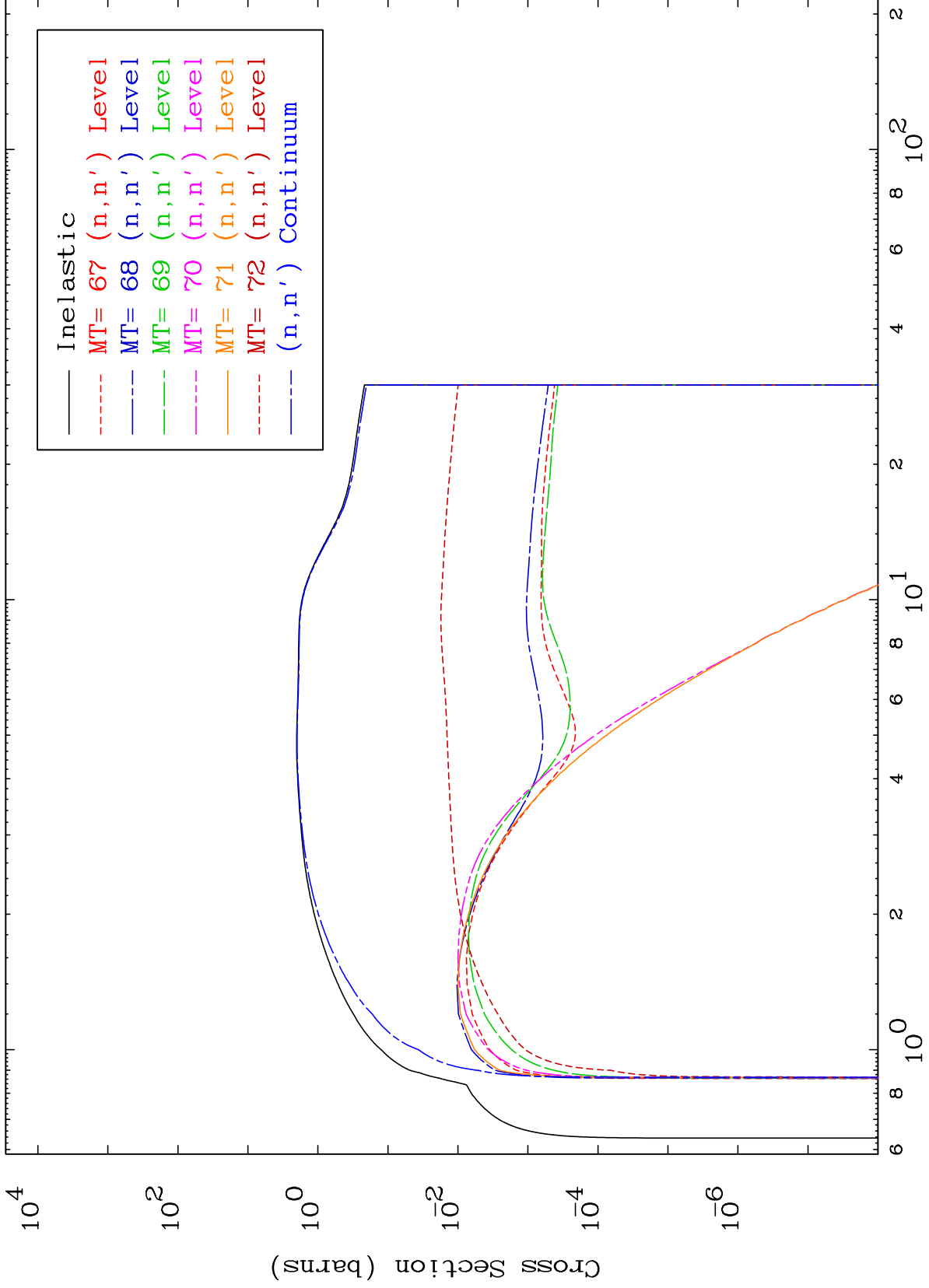


MAT 8713

(n,n') Levels

87-Fr-208

293 Kelvin Cross Sections



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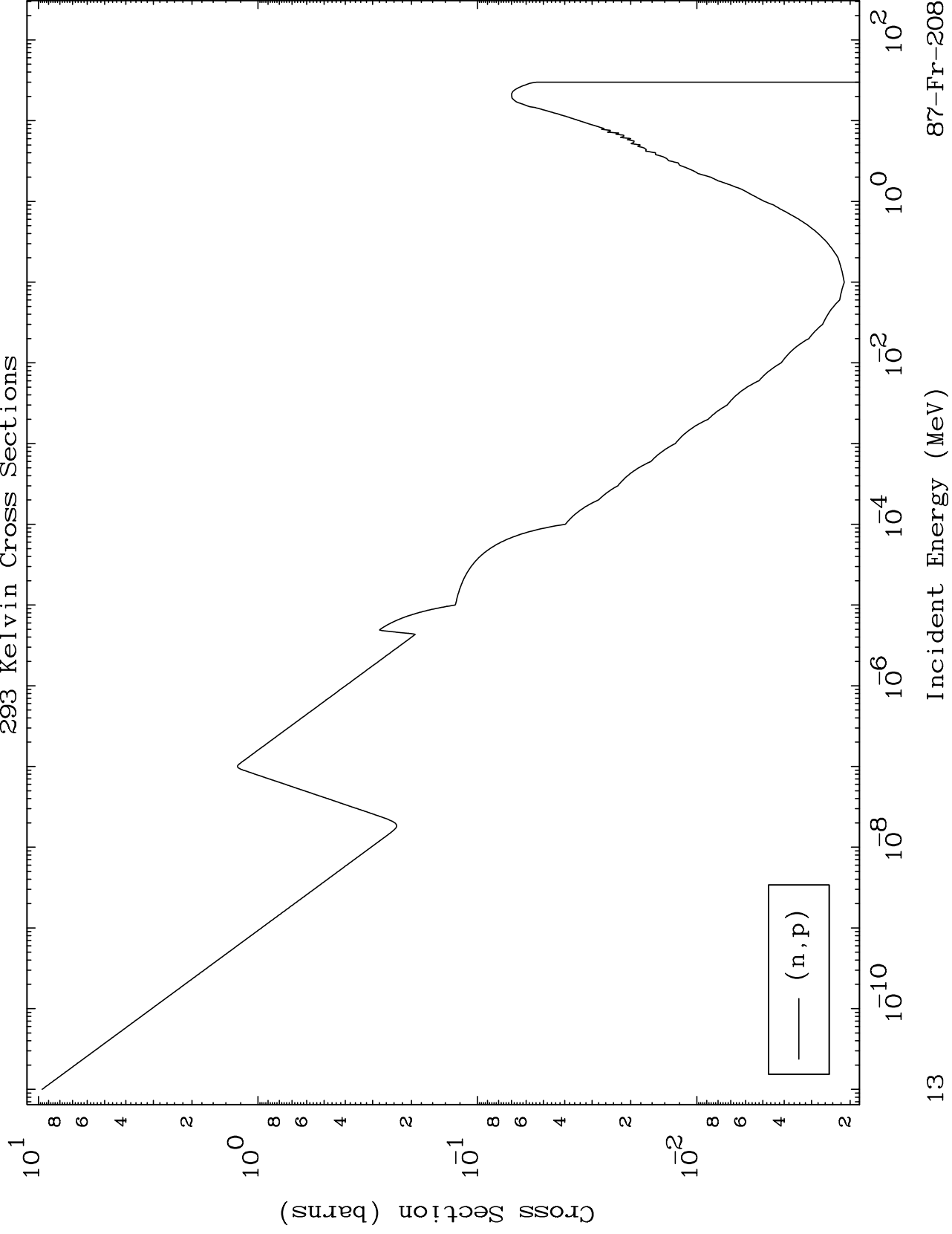
Incident Energy (MeV)

87-Fr-208

MAT 8713

(n,p) Levels
293 Kelvin Cross Sections

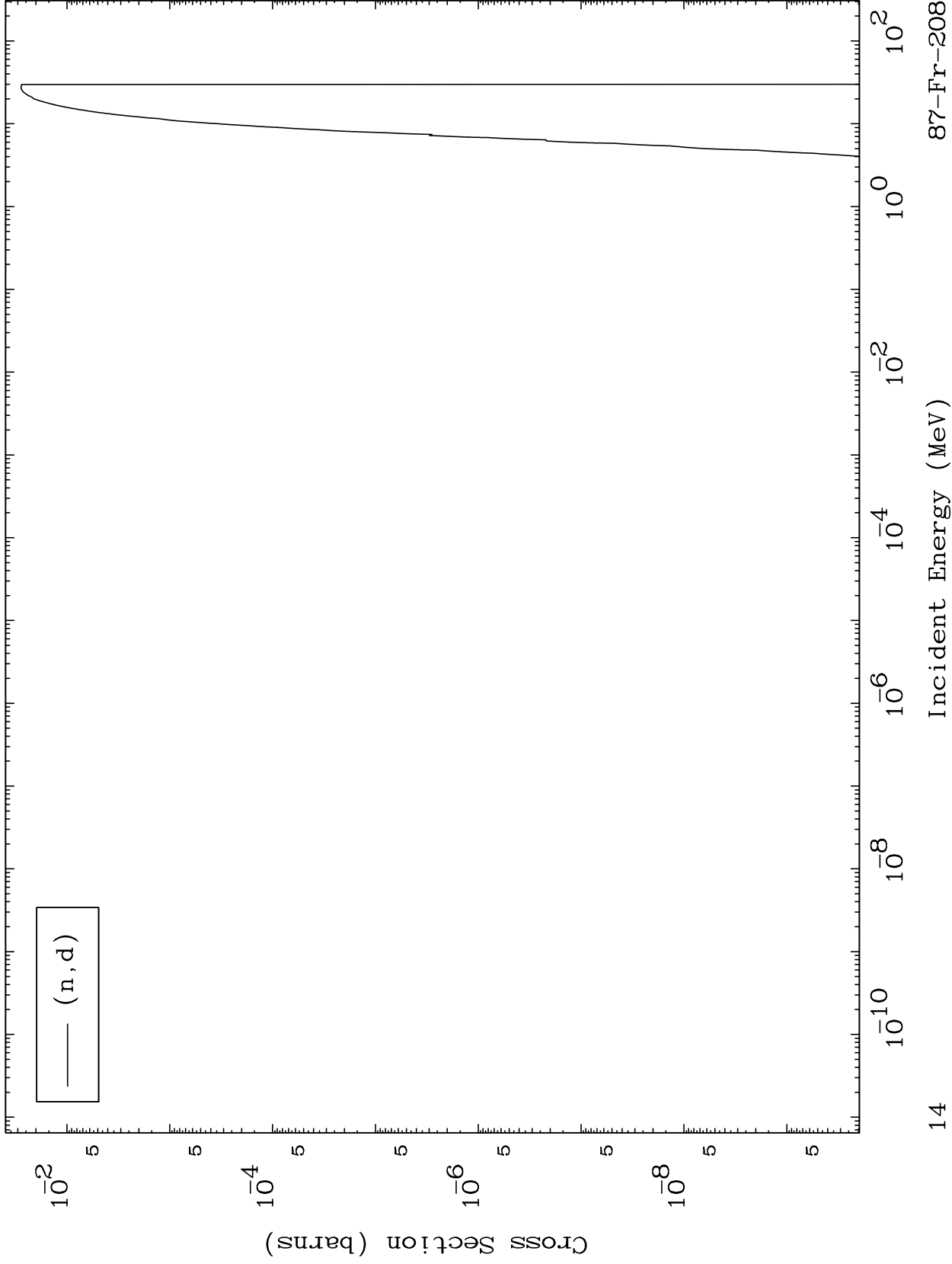
87-Fr-208



MAT 8713

(n,d) Levels
293 Kelvin Cross Sections

87-Fr-208



14

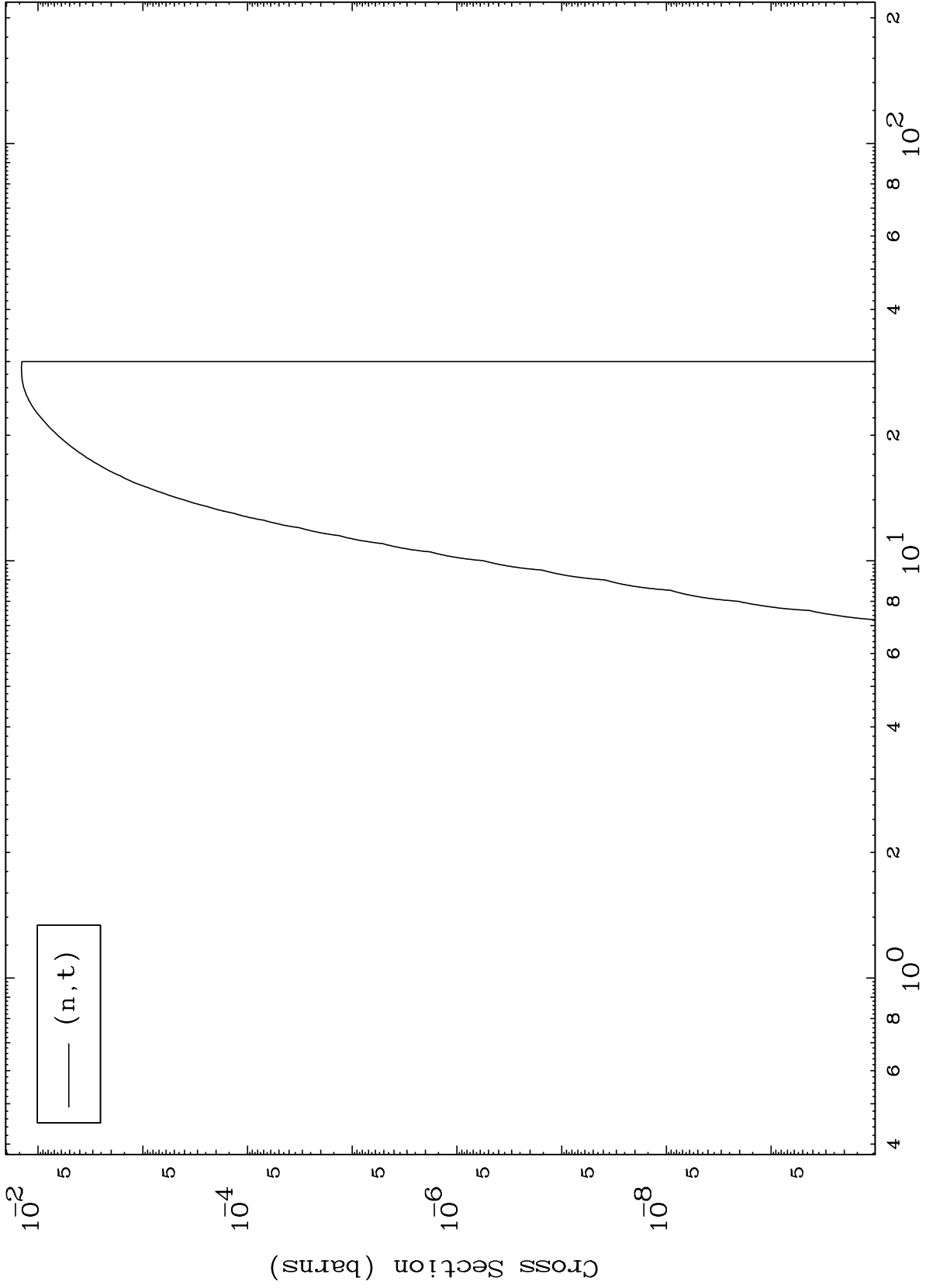
Incident Energy (MeV)

87-Fr-208

MAT 8713

(n,t) Levels
293 Kelvin Cross Sections

87-Fr-208



15

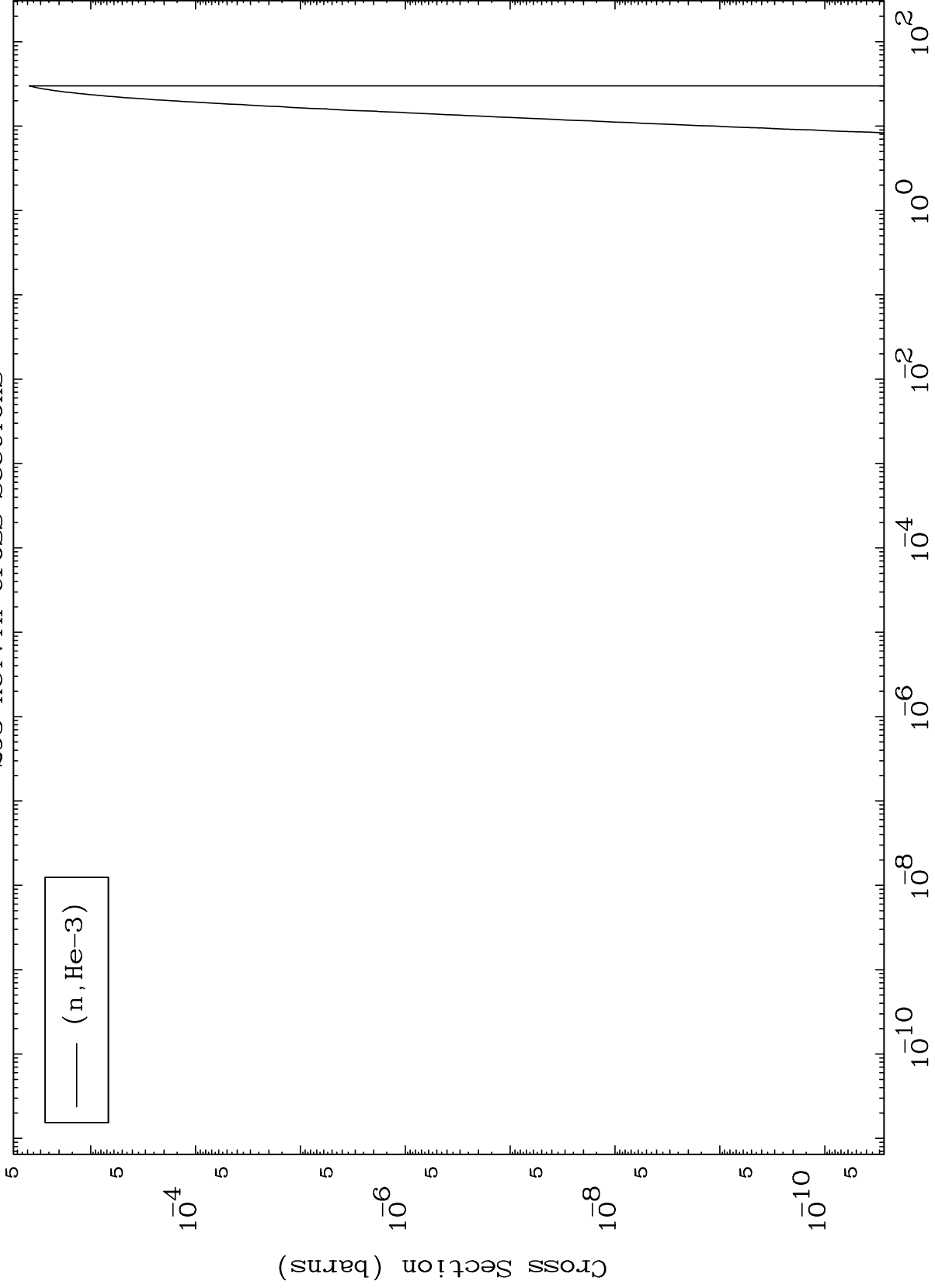
Incident Energy (MeV)

87-Fr-208

MAT 8713

(n,He3) Levels
293 Kelvin Cross Sections

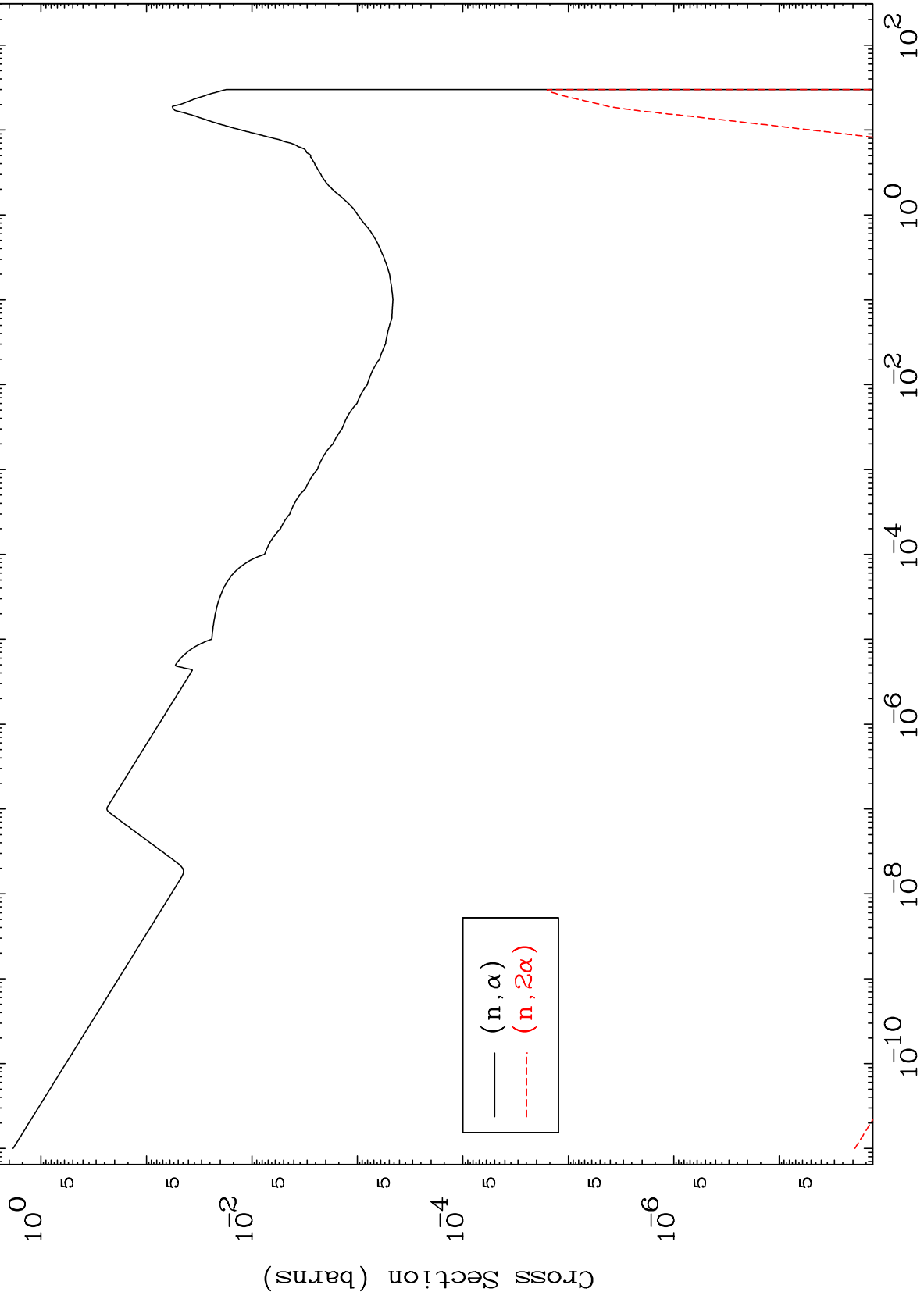
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MAT 8713

(n, α) Levels
293 Kelvin Cross Sections

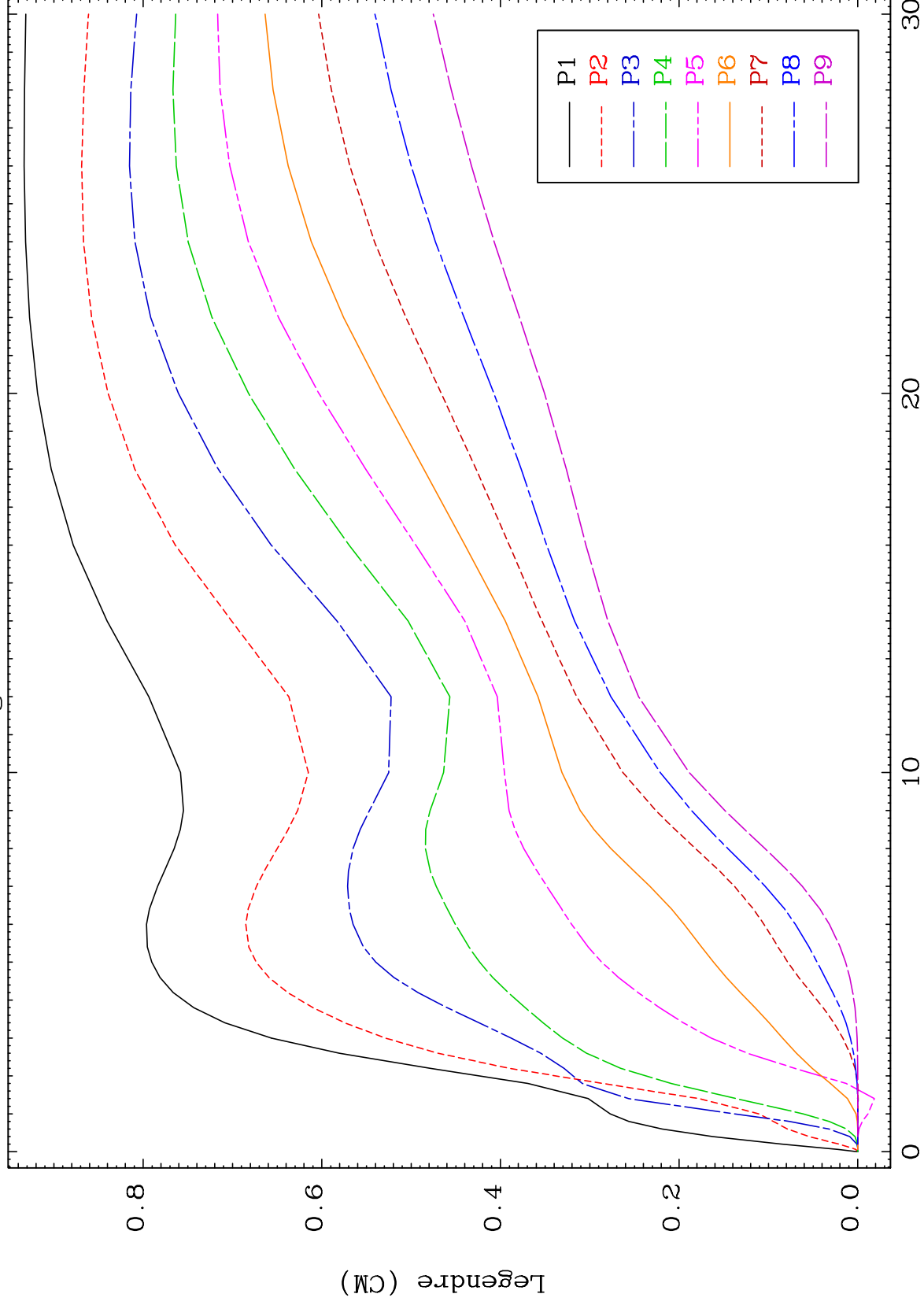
87-Fr-208



MAT 8713

Elastic Legendre Coefficients

87-Fr-208



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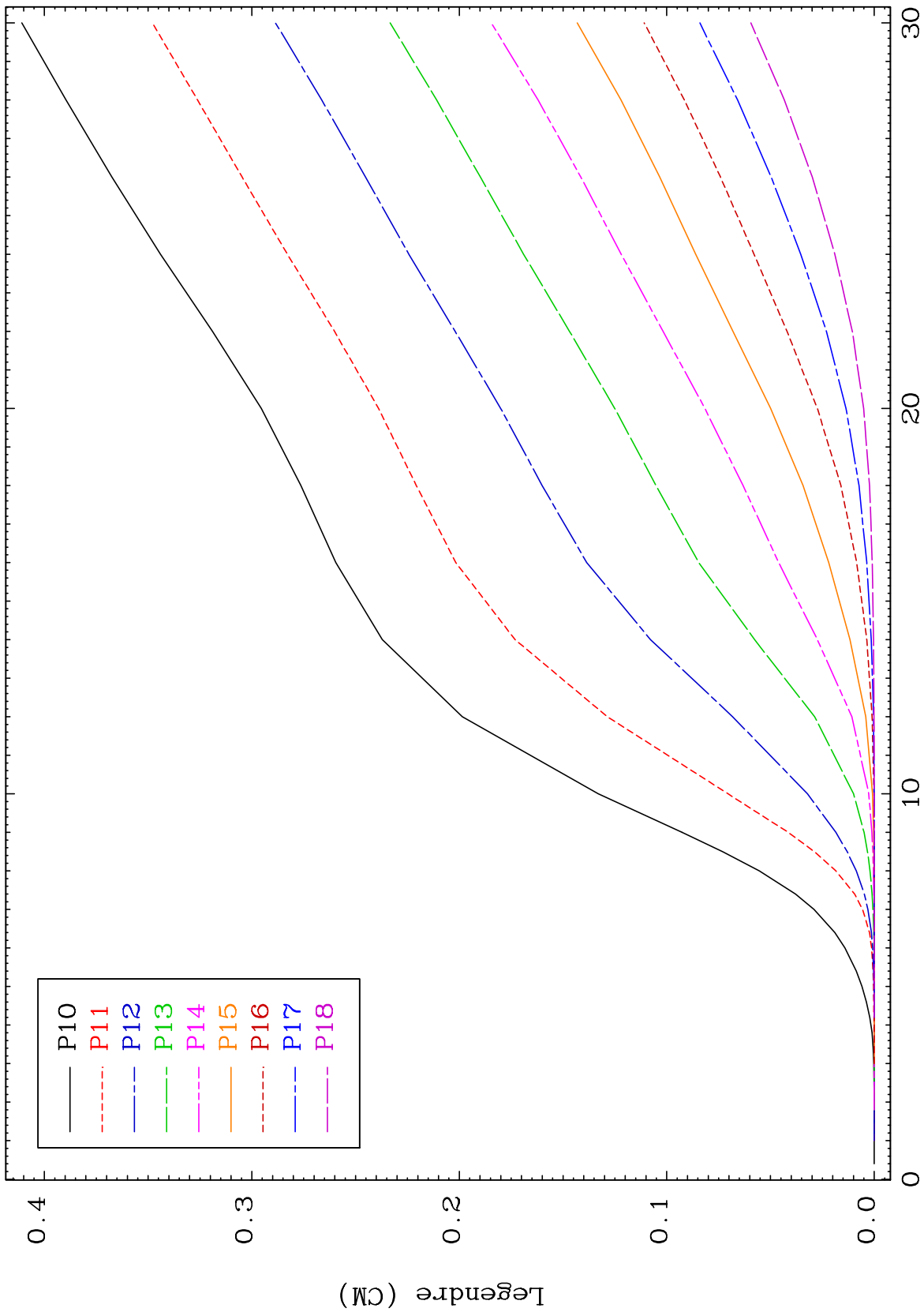
Incident Energy (MeV)

87-Fr-208

MAT 8713

Elastic Legendre Coefficients

87-Fr-208



19

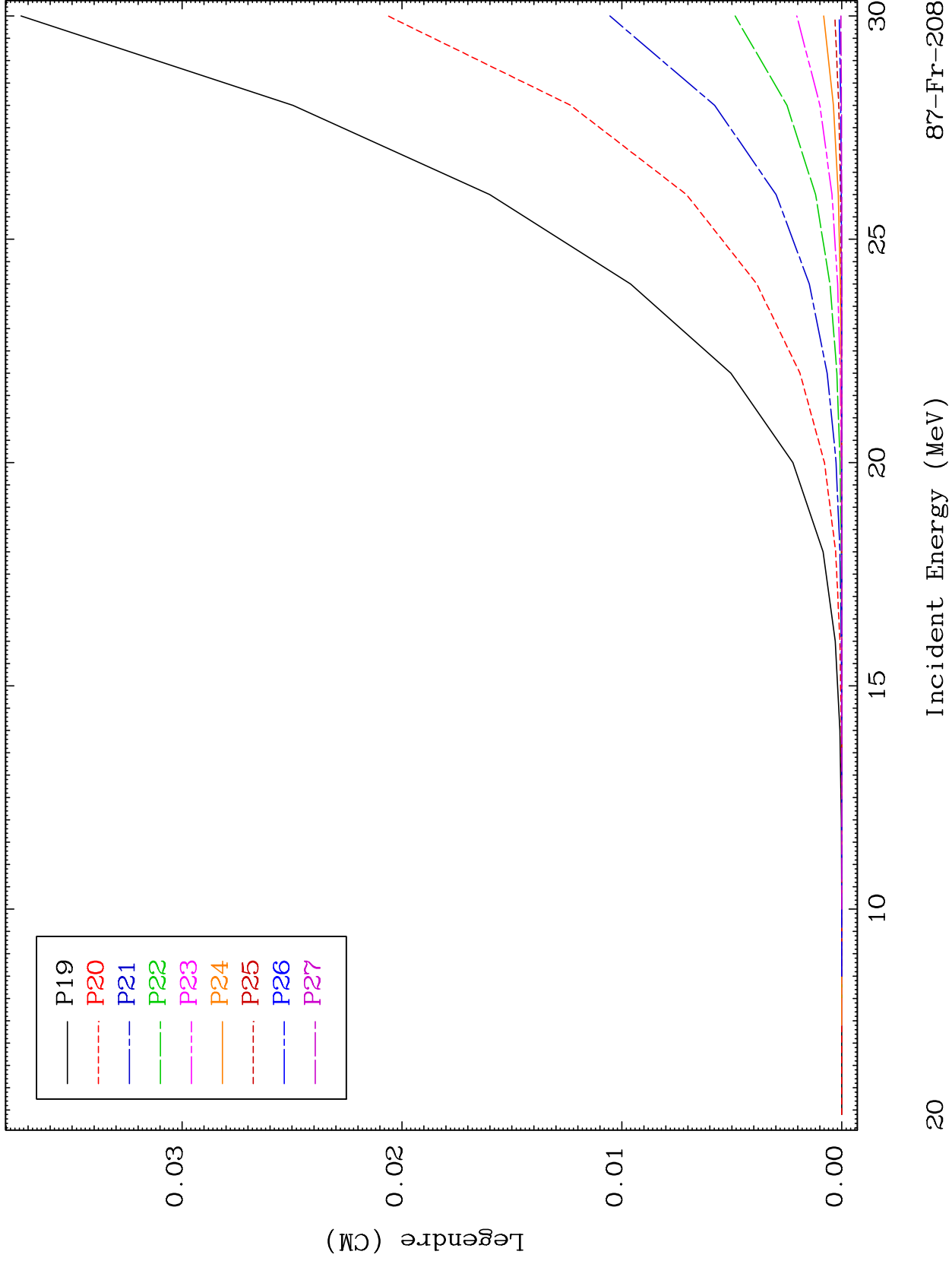
Incident Energy (MeV)

87-Fr-208

MAT 8713

Elastic Legendre Coefficients

87-Fr-208



87-Fr-208

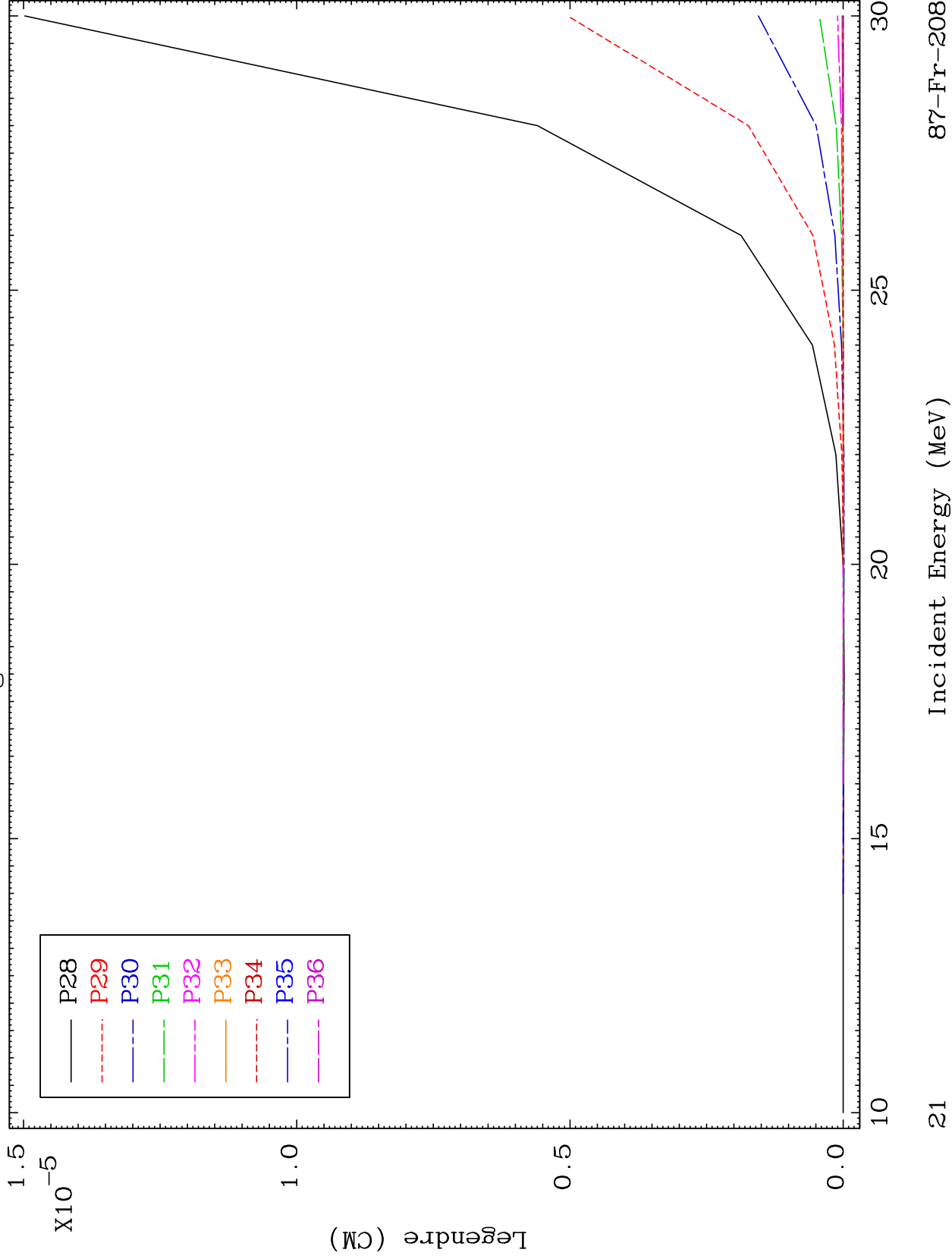
Incident Energy (MeV)

20

MAT 8713

Elastic
Legendre Coefficients

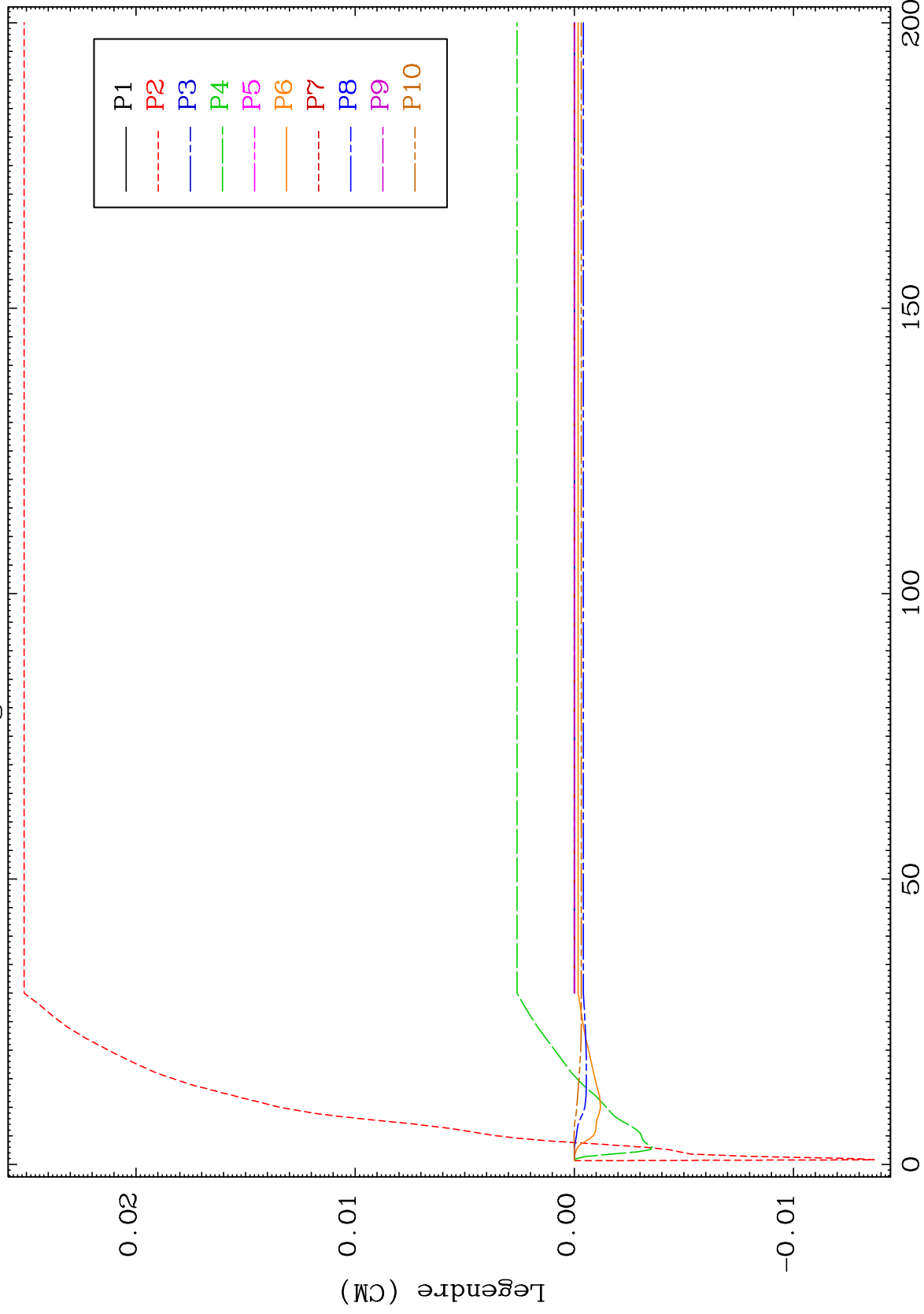
87-Fr-208



MAT 8713

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

87-Fr-208



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Incident Energy (MeV)

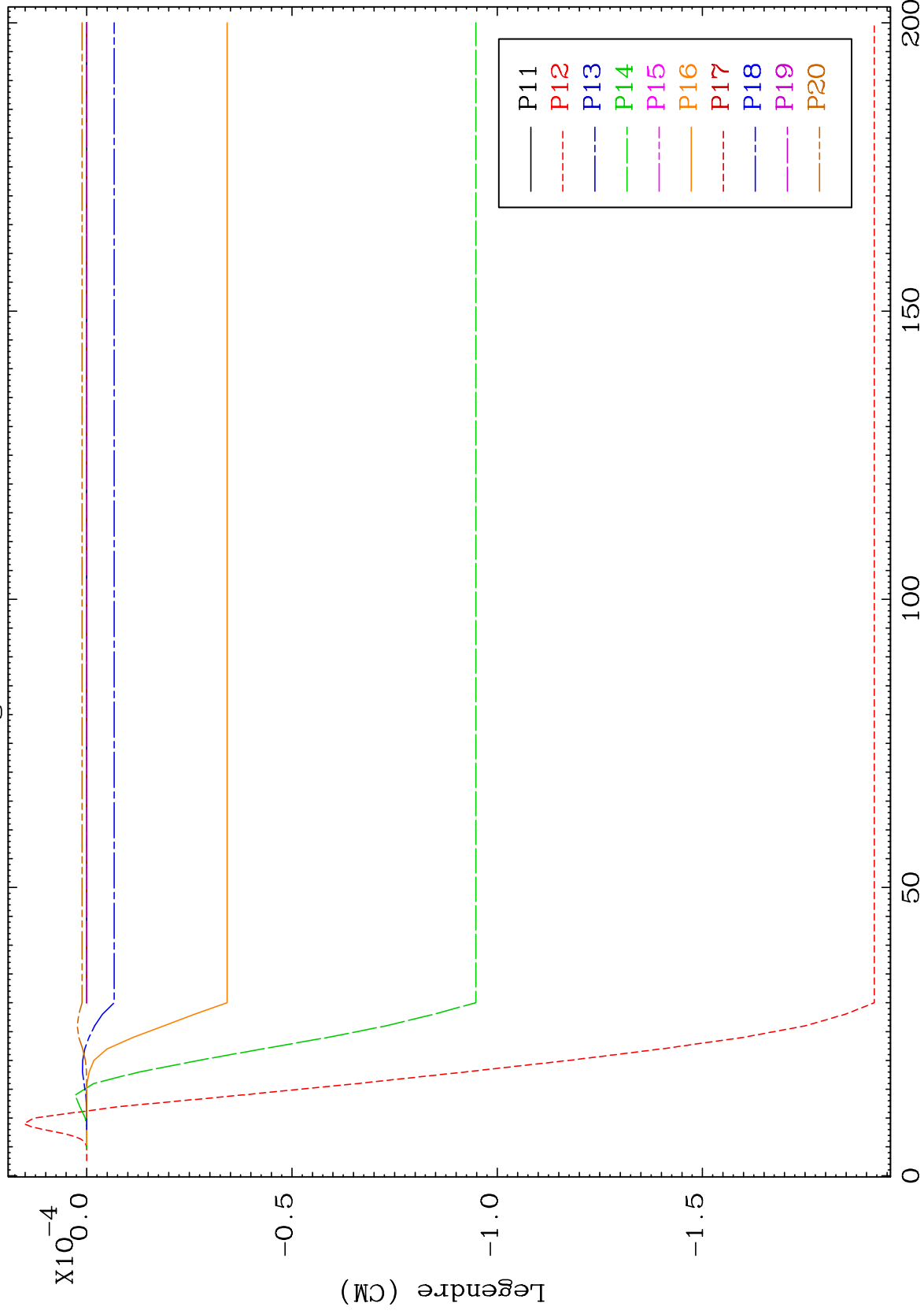
87-Fr-208

MAT 8713

MT= 51 (n,n') Level

87-Fr-208

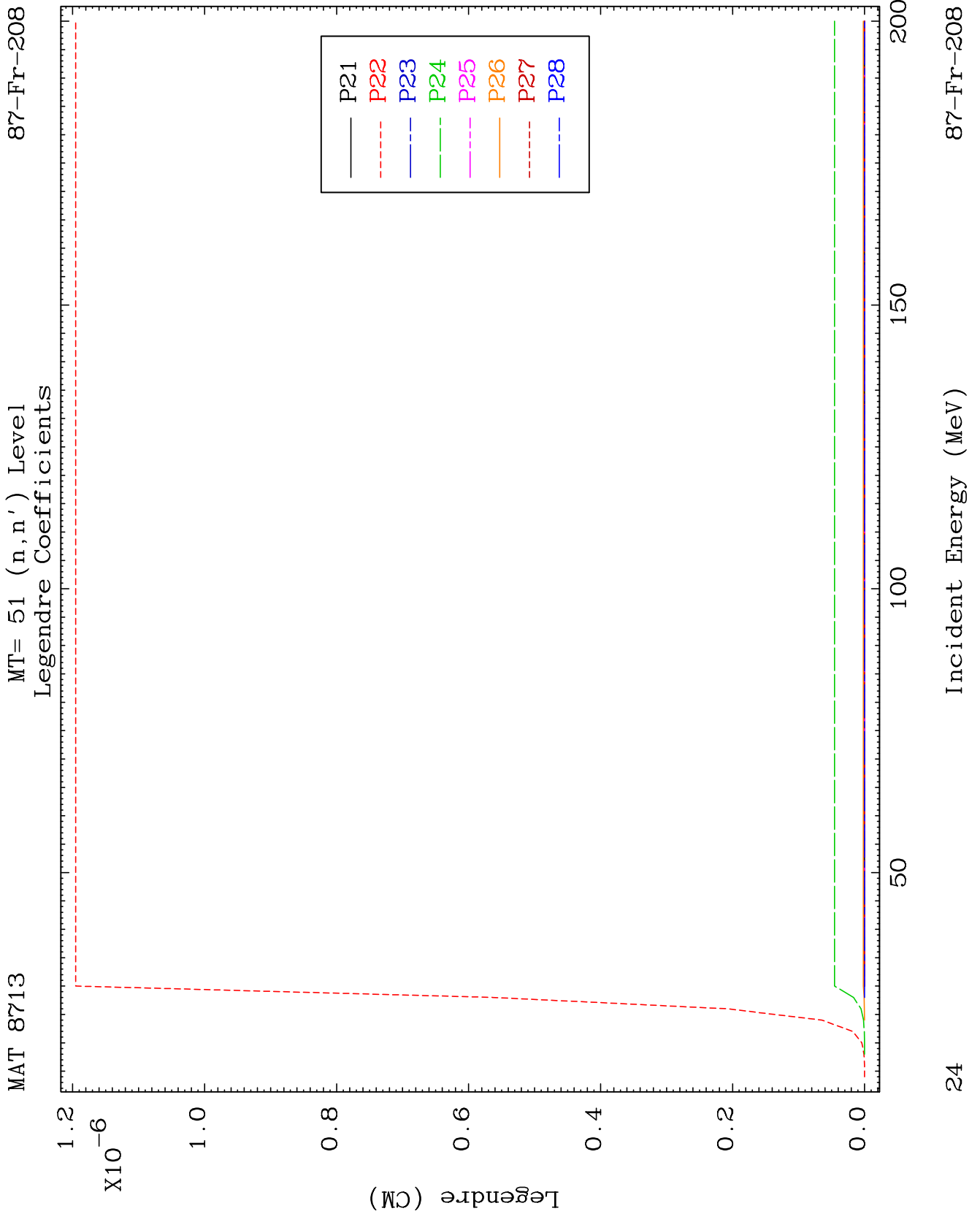
Legendre Coefficients



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Incident Energy (MeV)

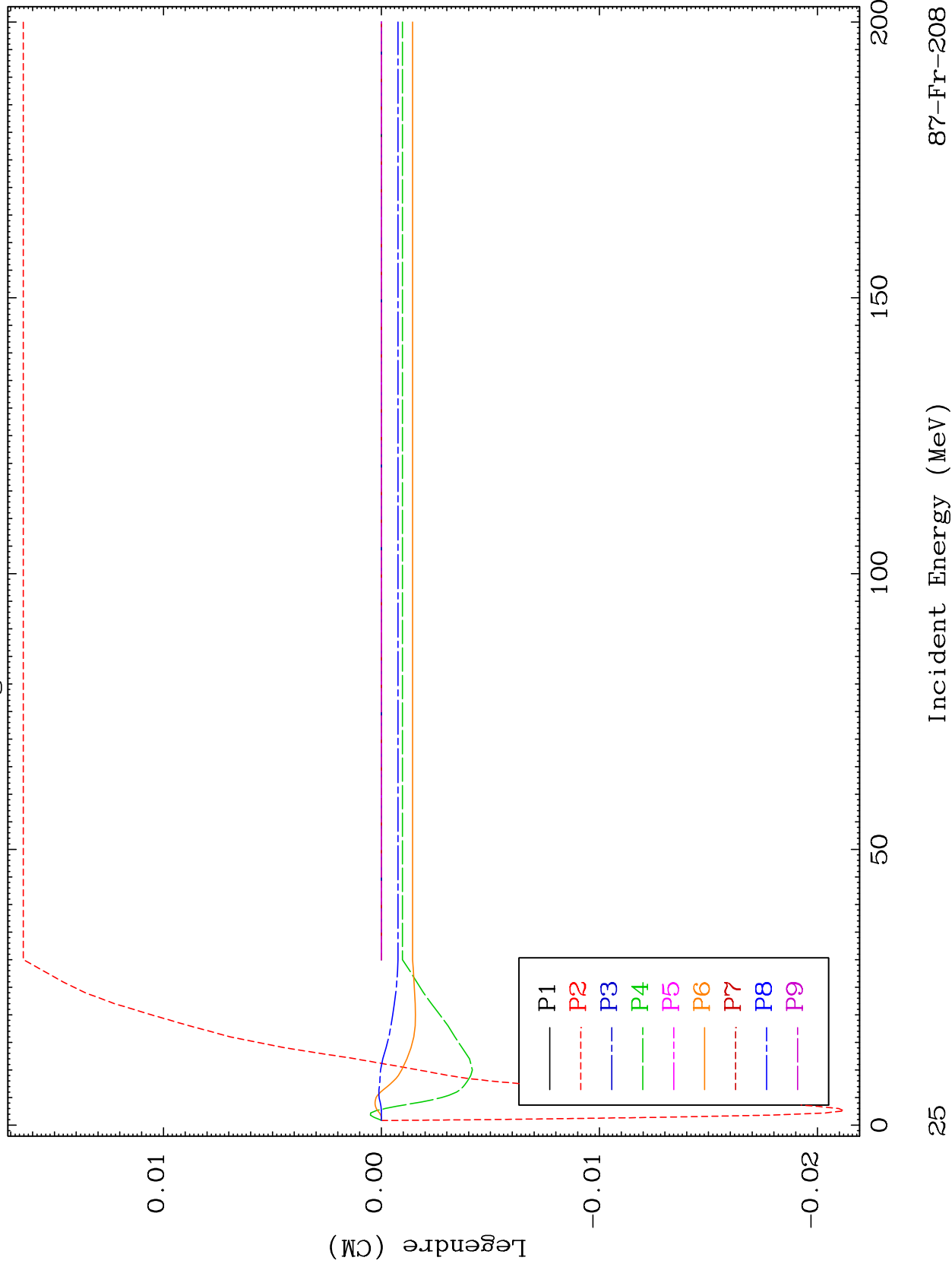
87-Fr-208



MAT 8713

87-Fr-208

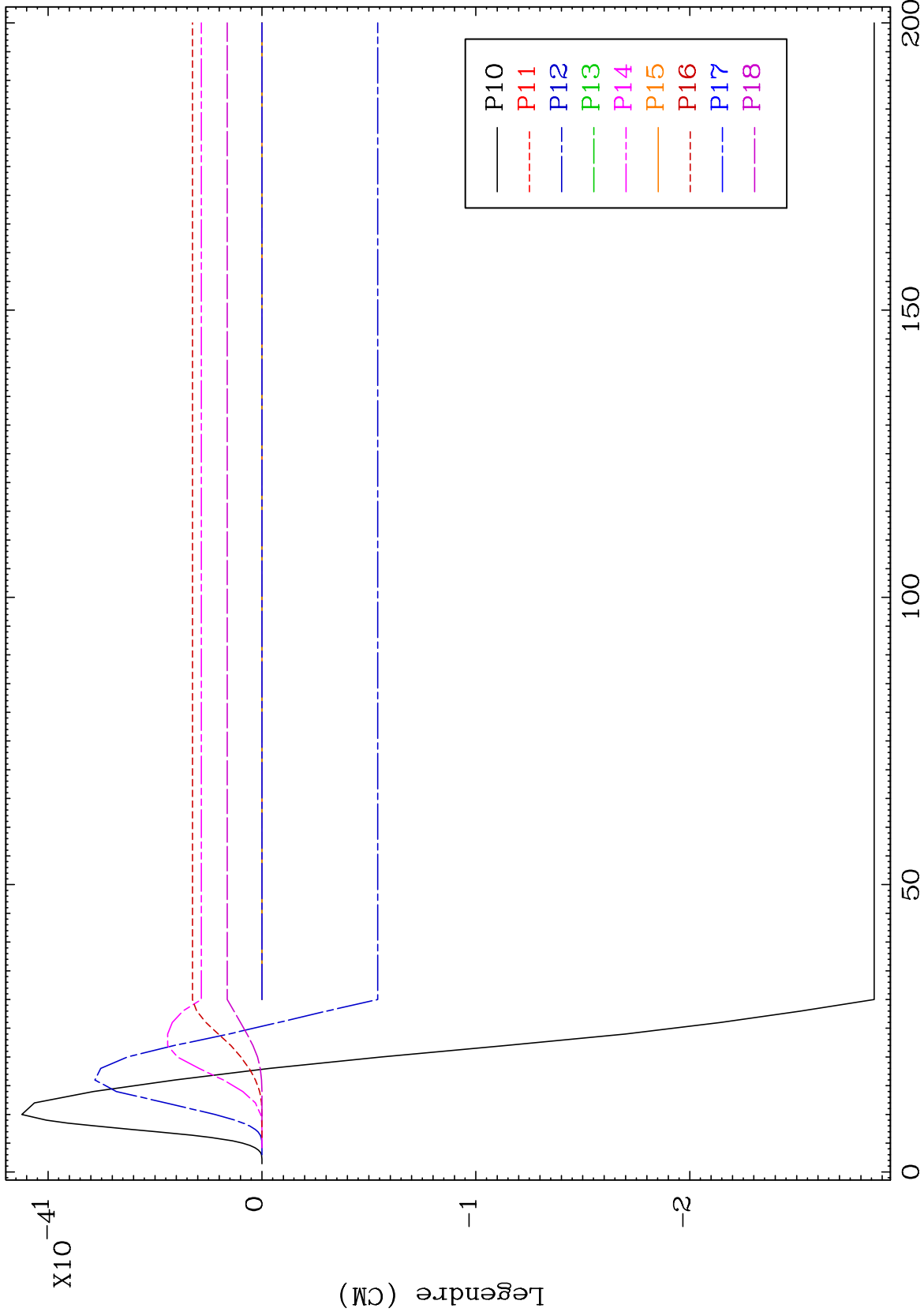
MT= 52 (n,n') Level
Legendre Coefficients



MAT 8713

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

87-Fr-208



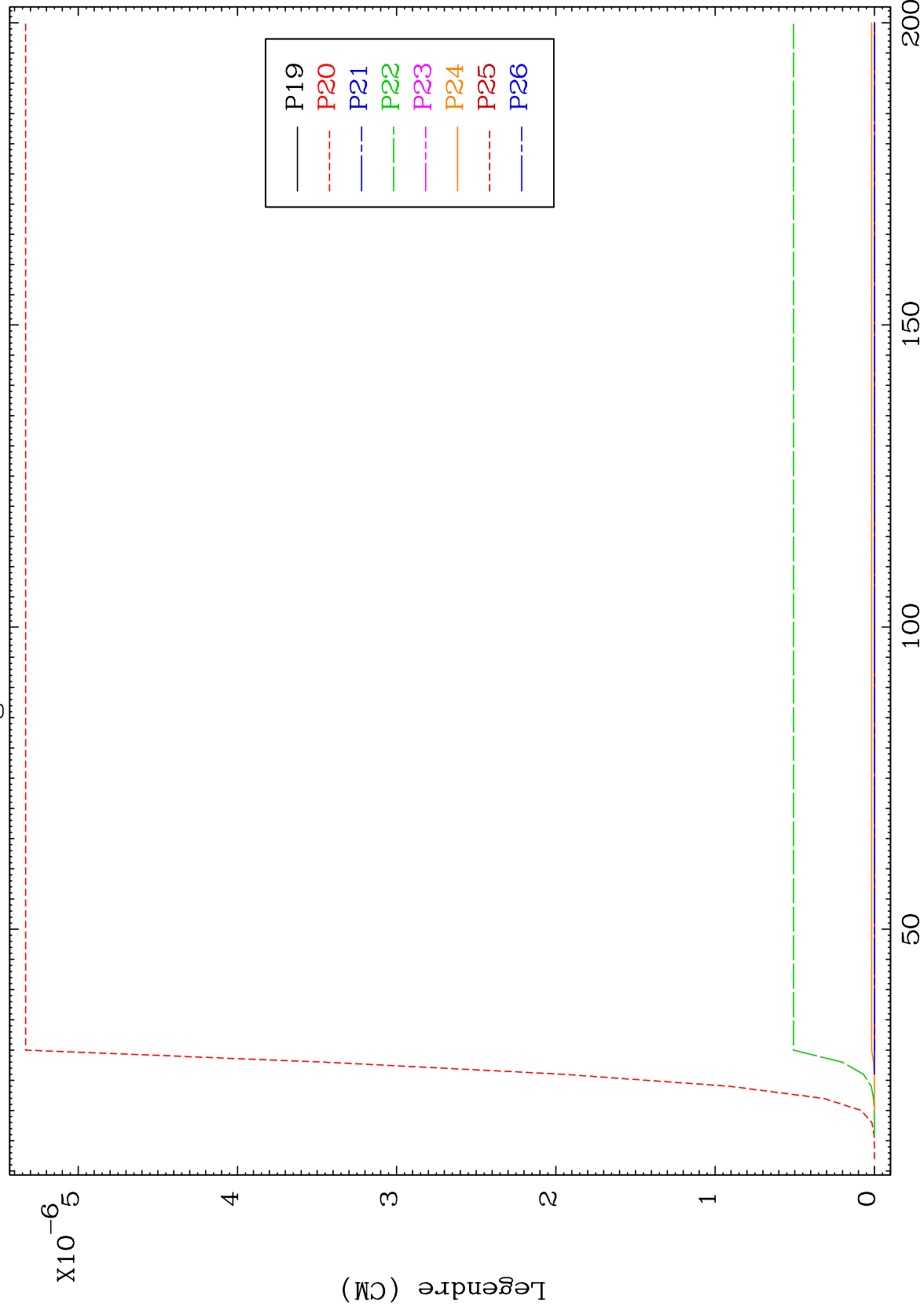
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MAT 8713

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

87-Fr-208



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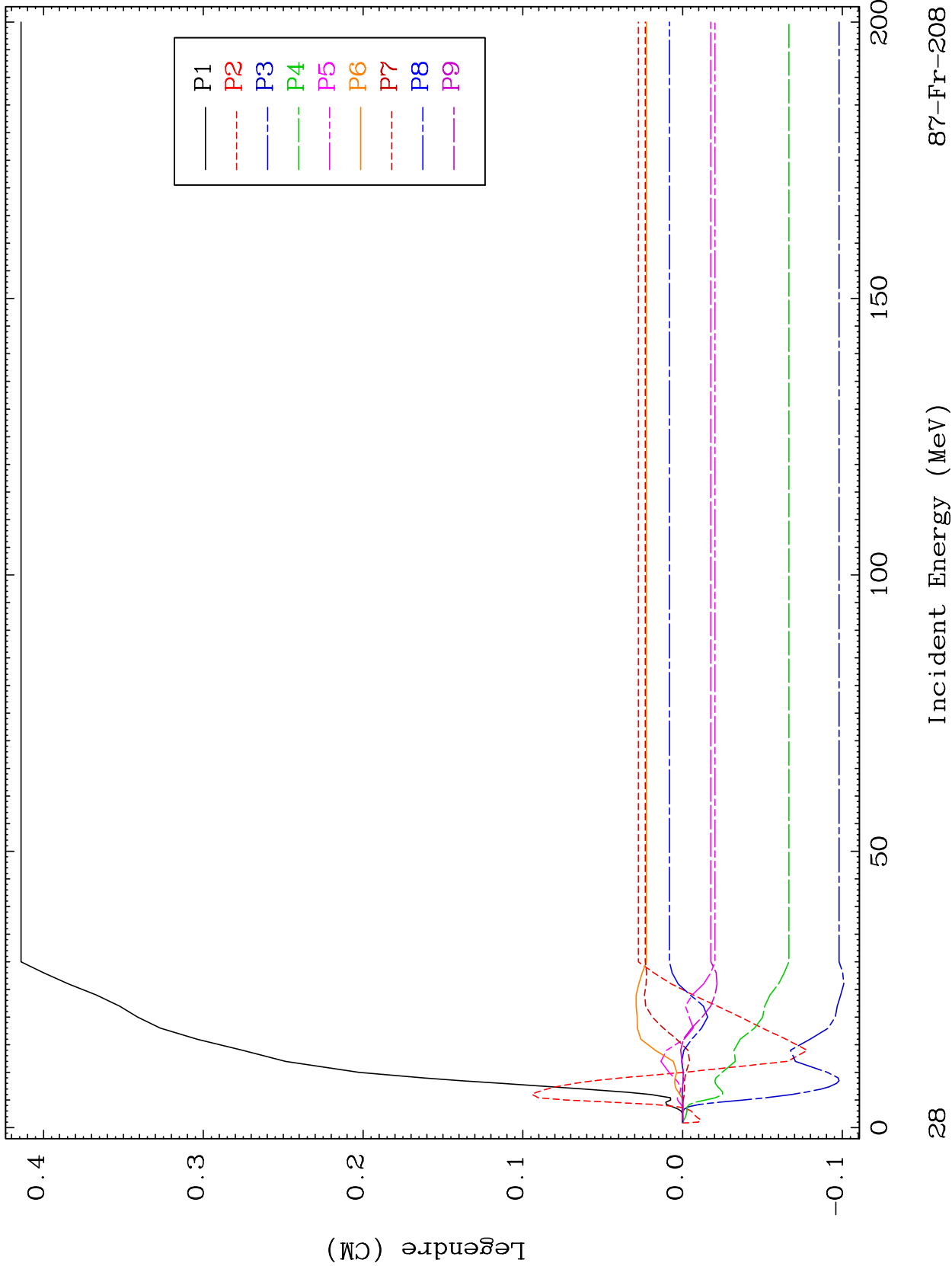
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



87-Fr-208

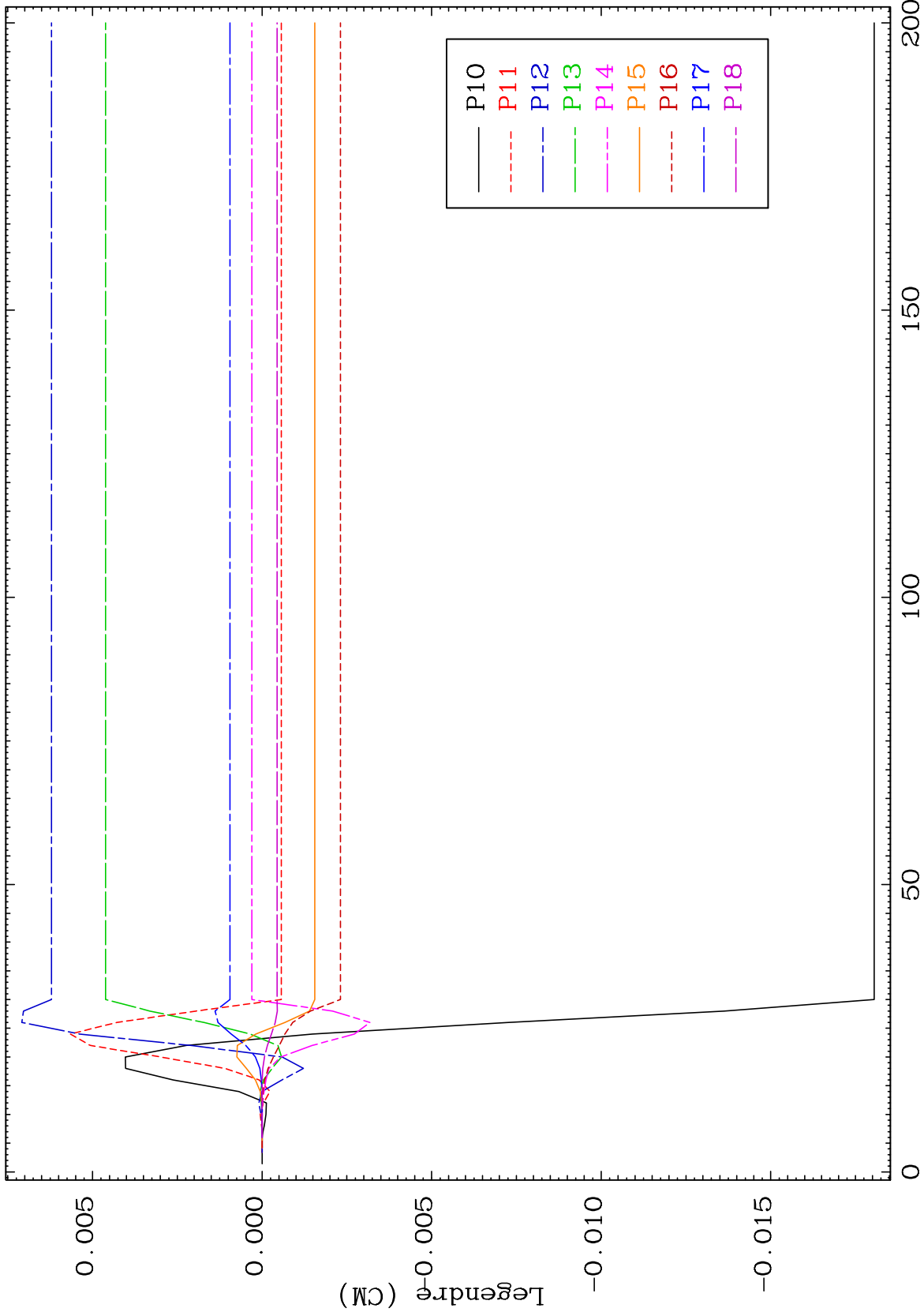
Incident Energy (MeV)

28

MAT 8713

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

87-Fr-208



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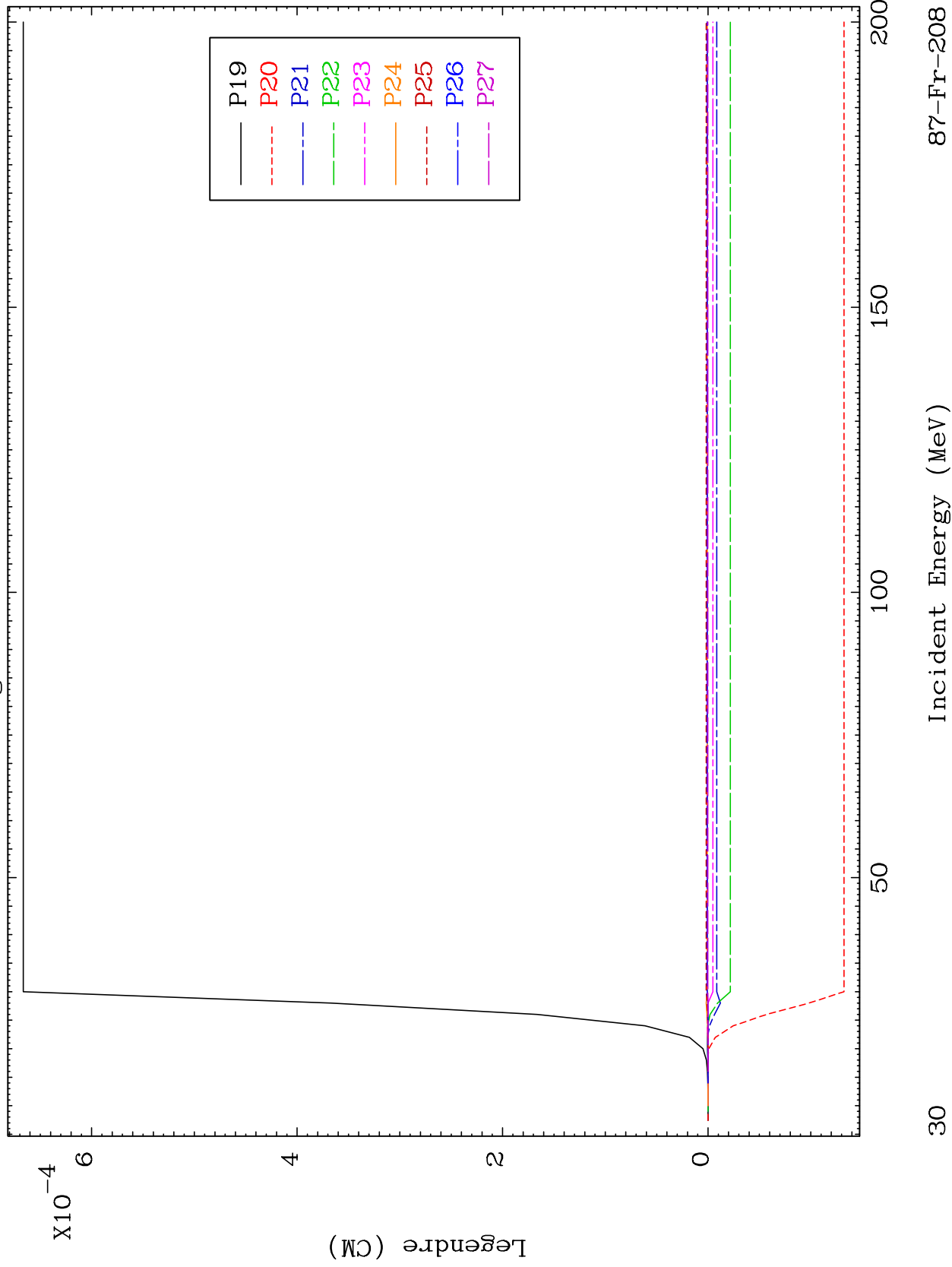
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

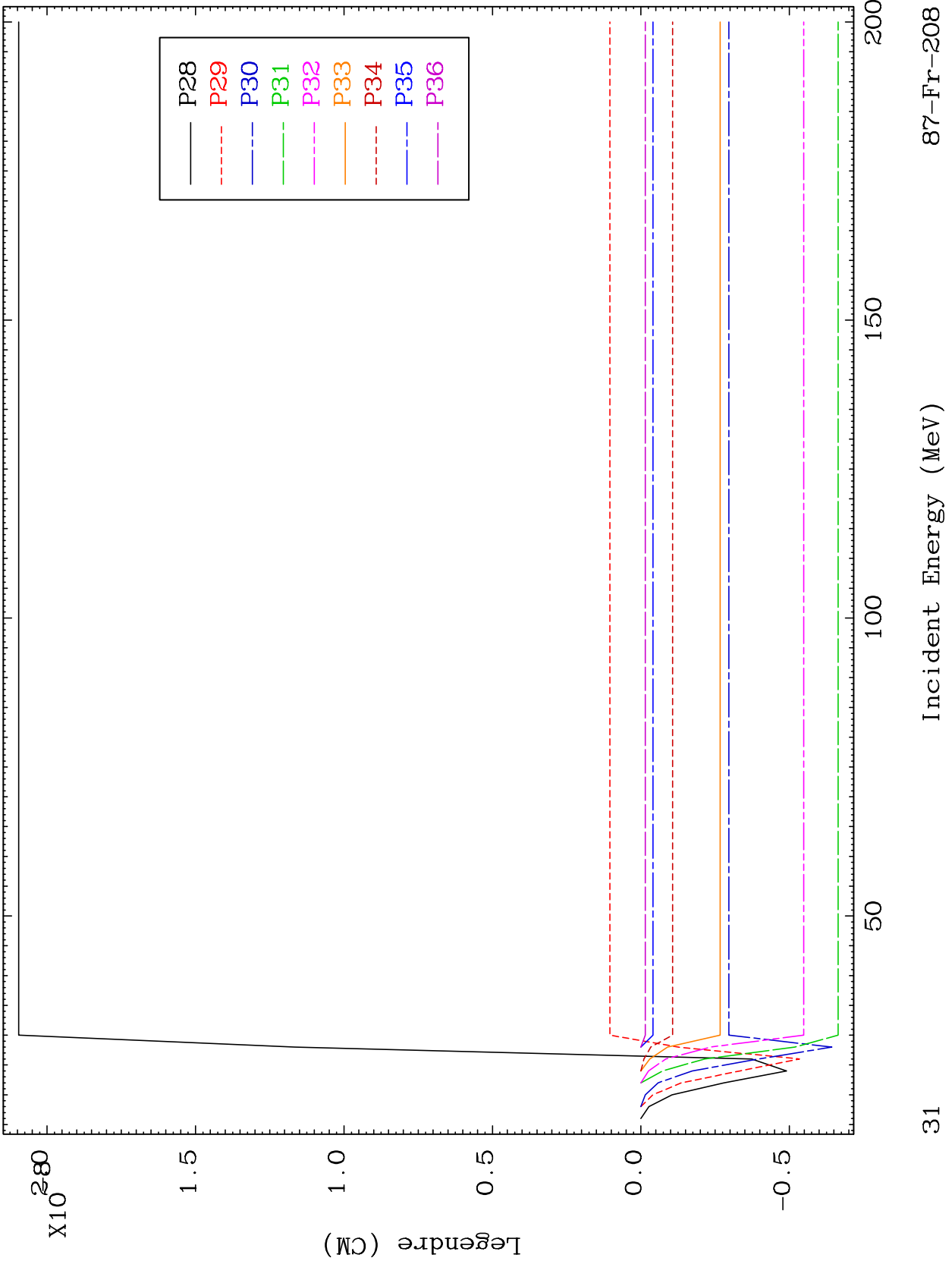
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Incident Energy (MeV)

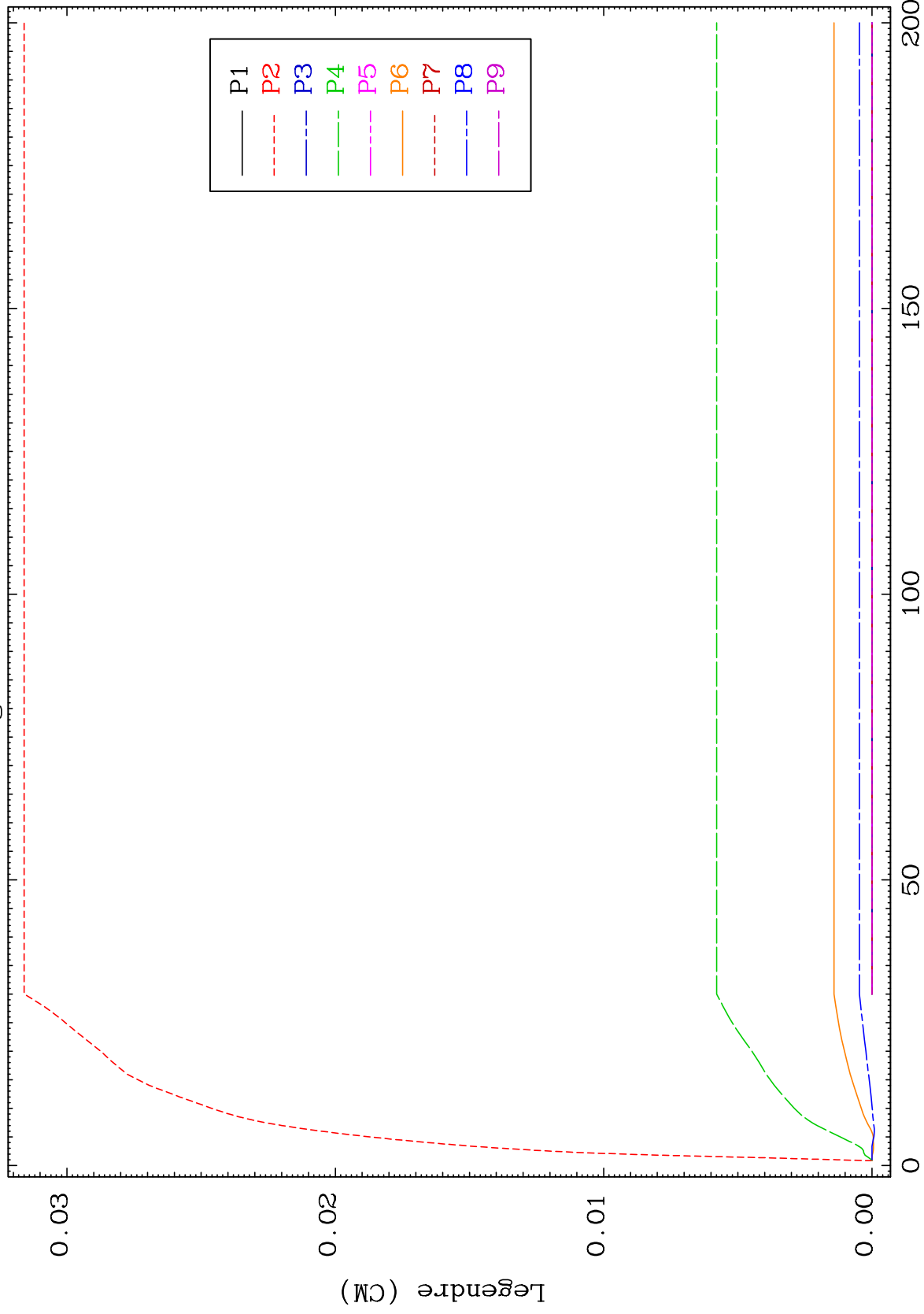
87-Fr-208



MAT 8713

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

87-Fr-208



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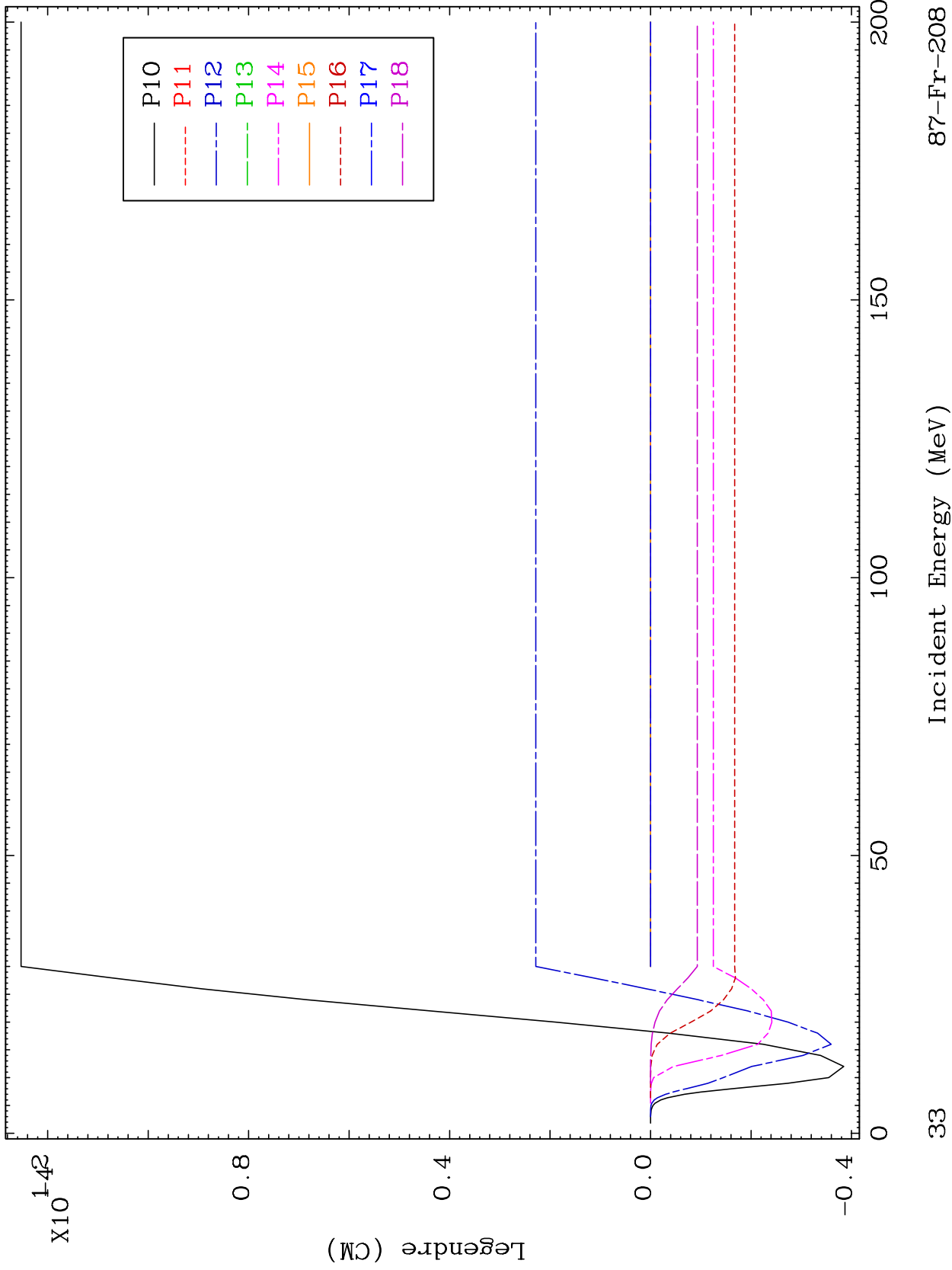
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



33

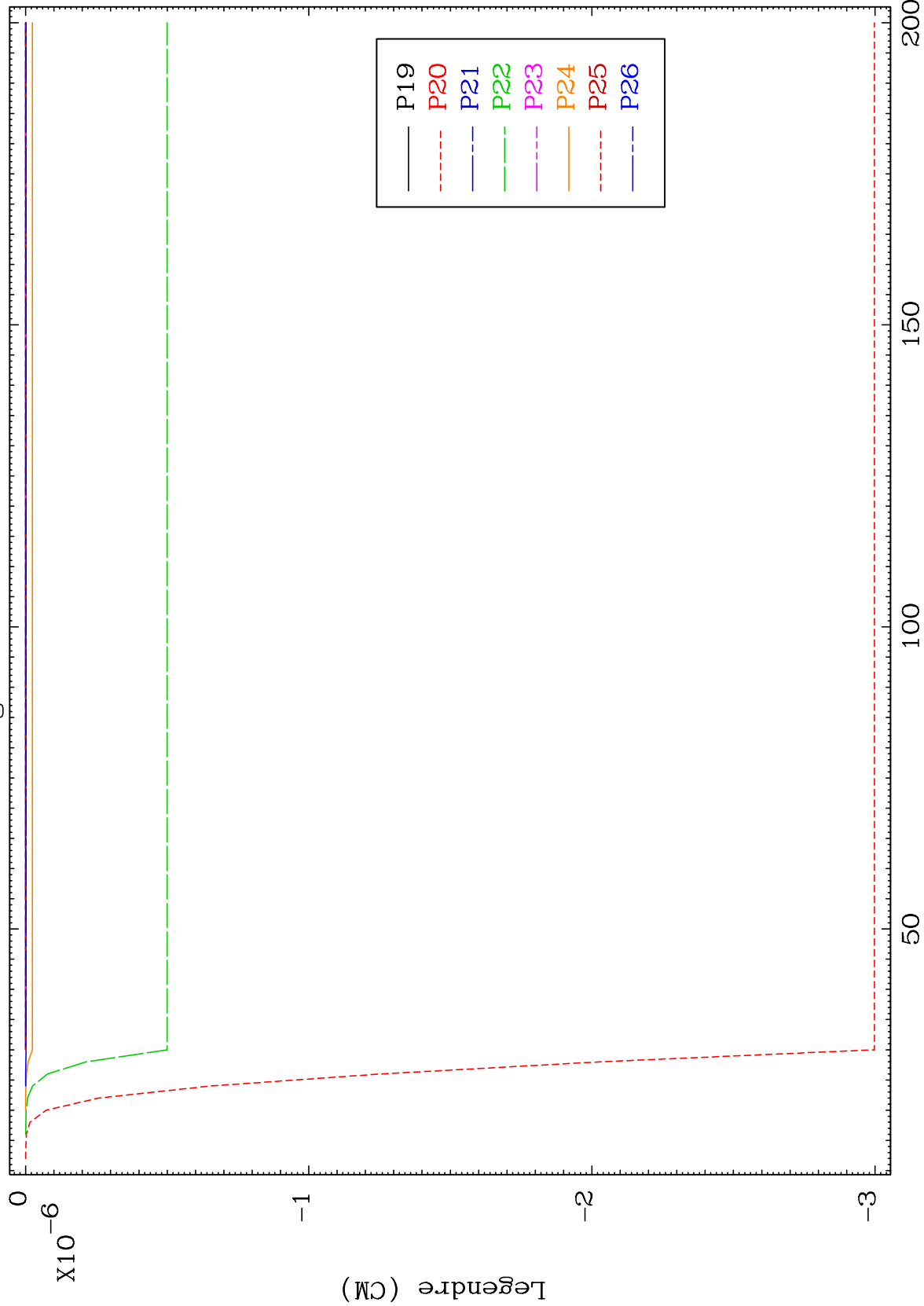
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



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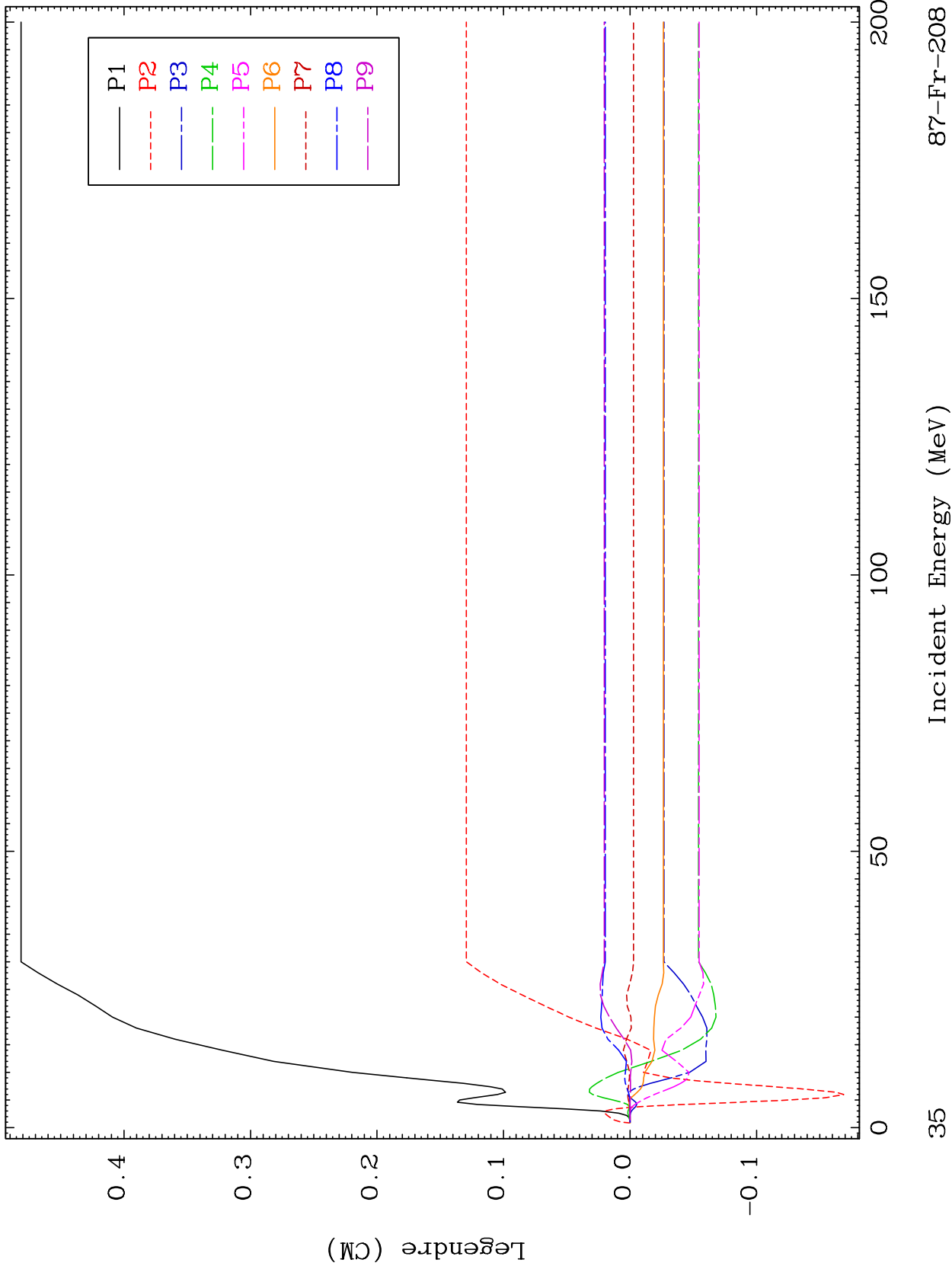
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



87-Fr-208

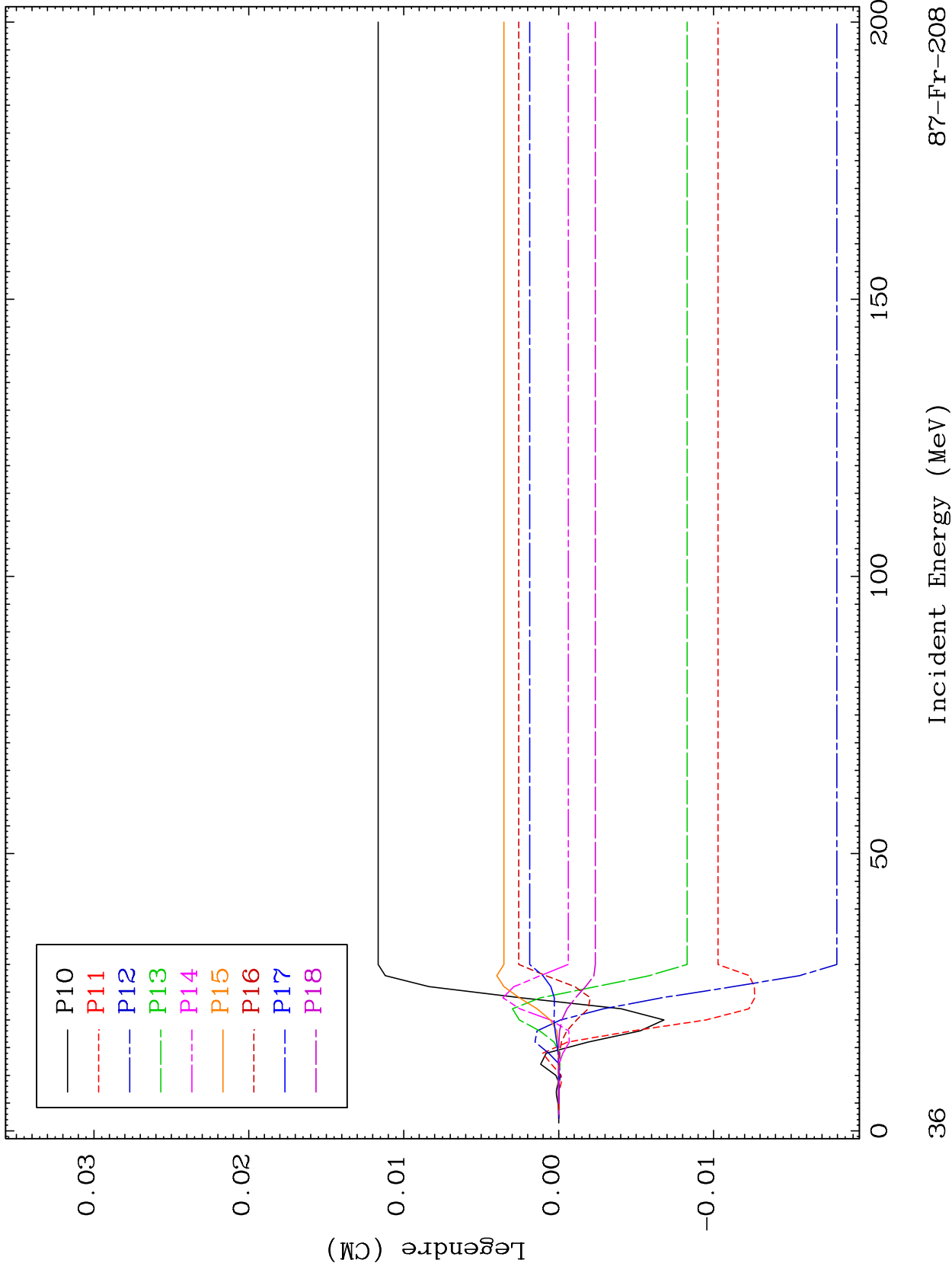
Incident Energy (MeV)

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MAT 8713

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

87-Fr-208



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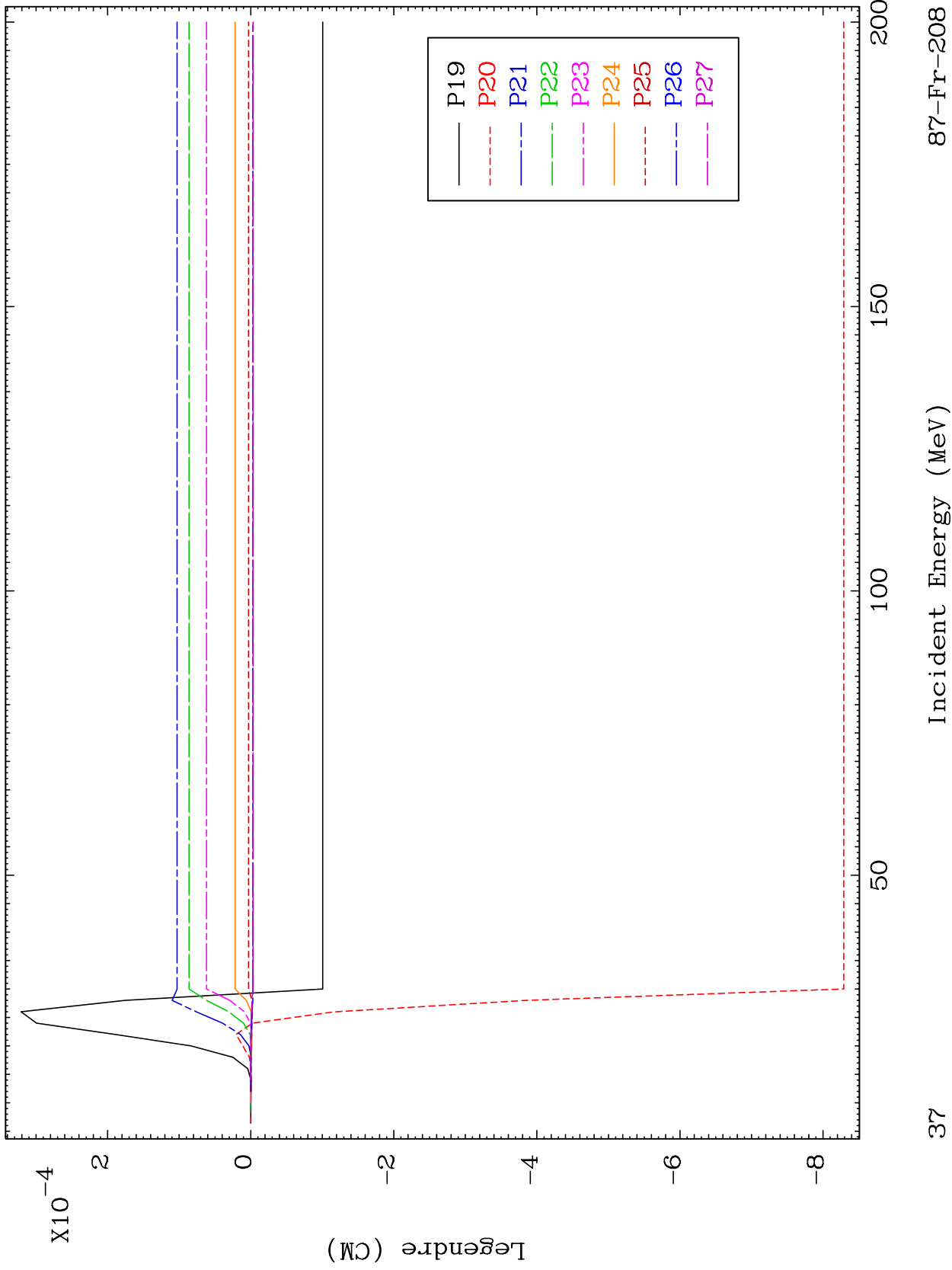
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



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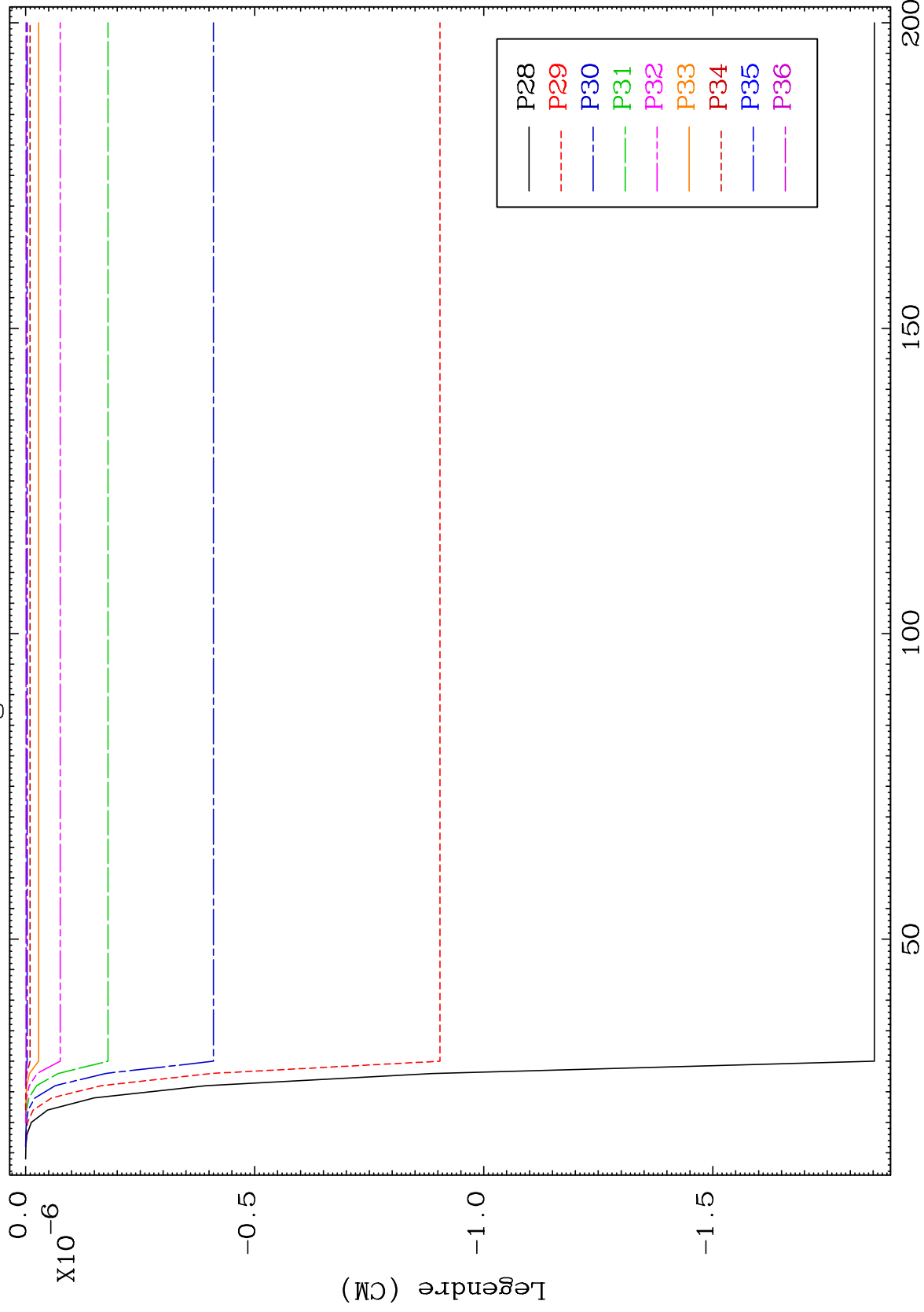
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



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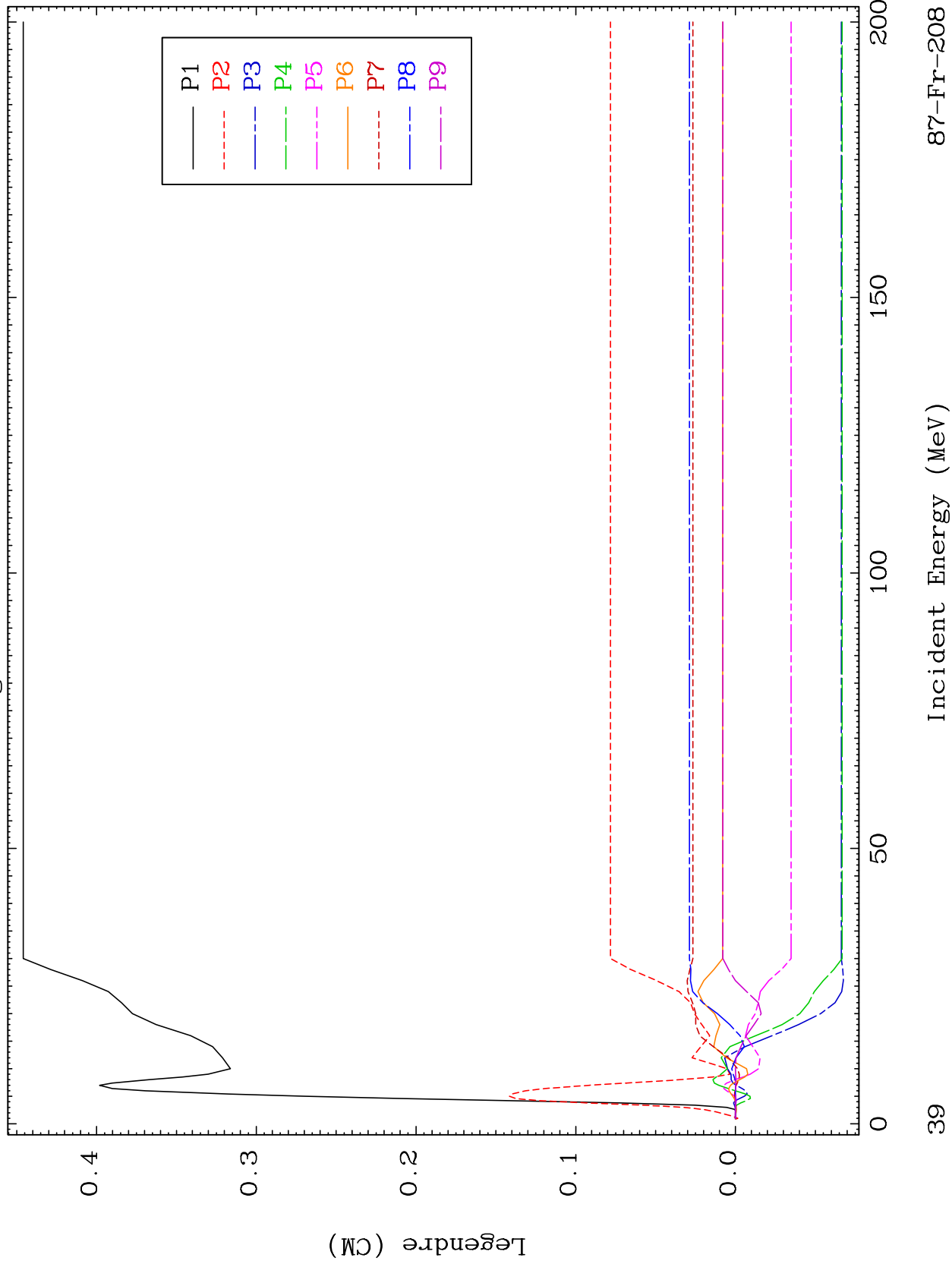
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



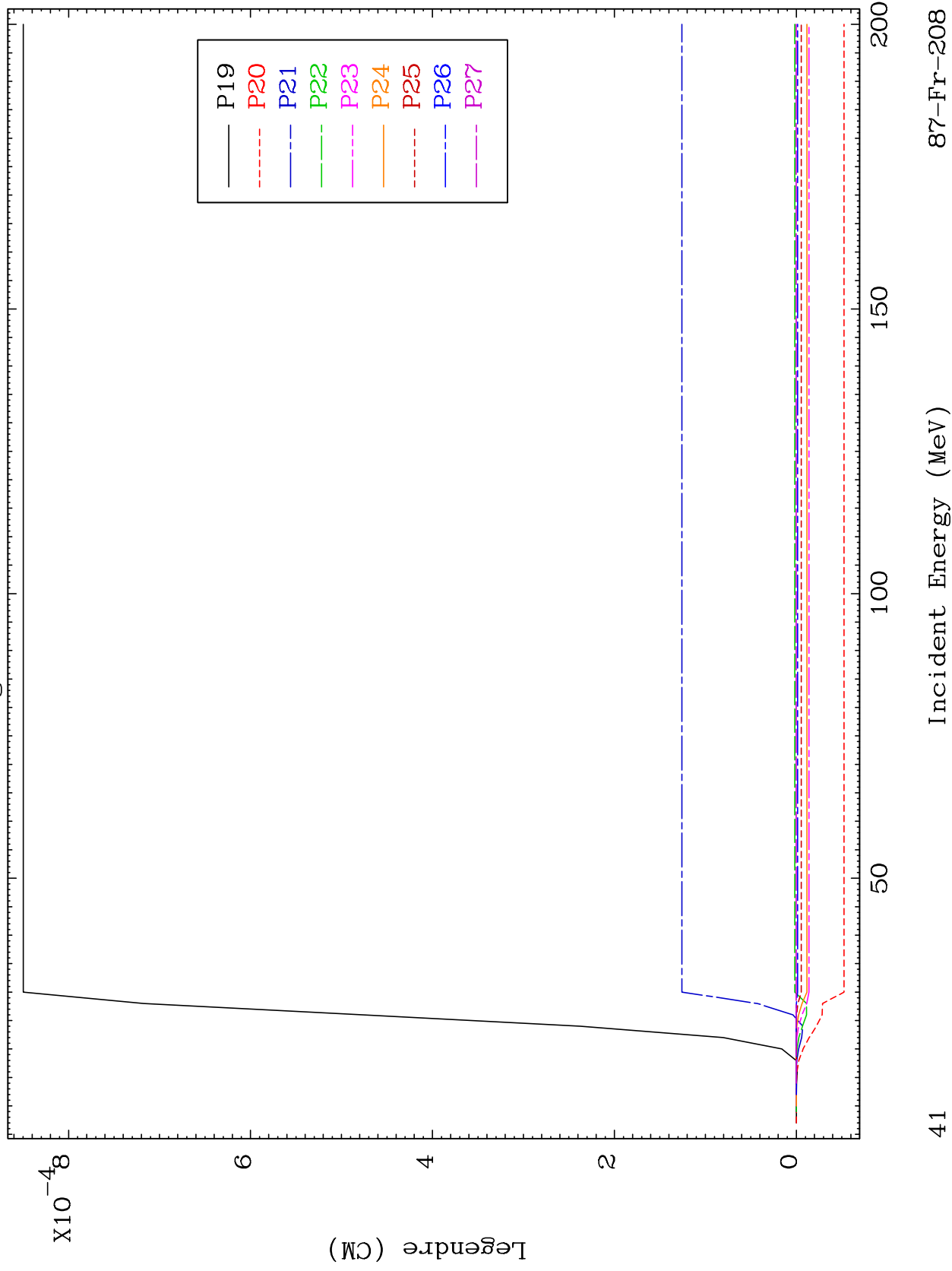
39

87-Fr-208

MAT 8713

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

87-Fr-208



41

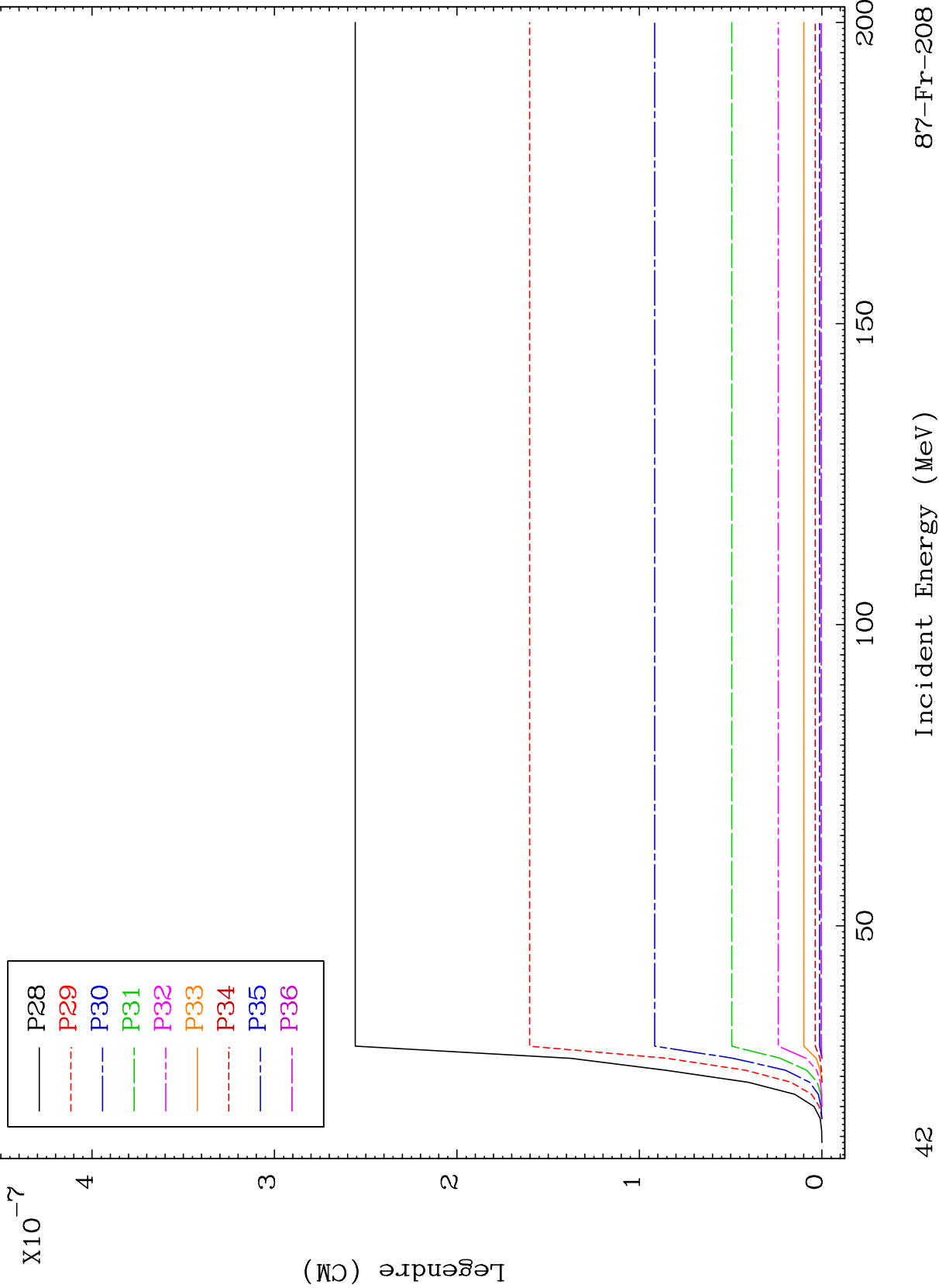
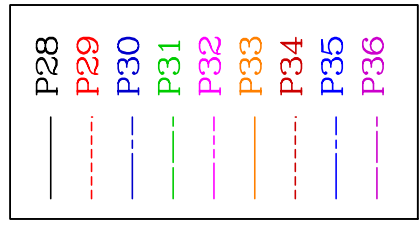
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



42

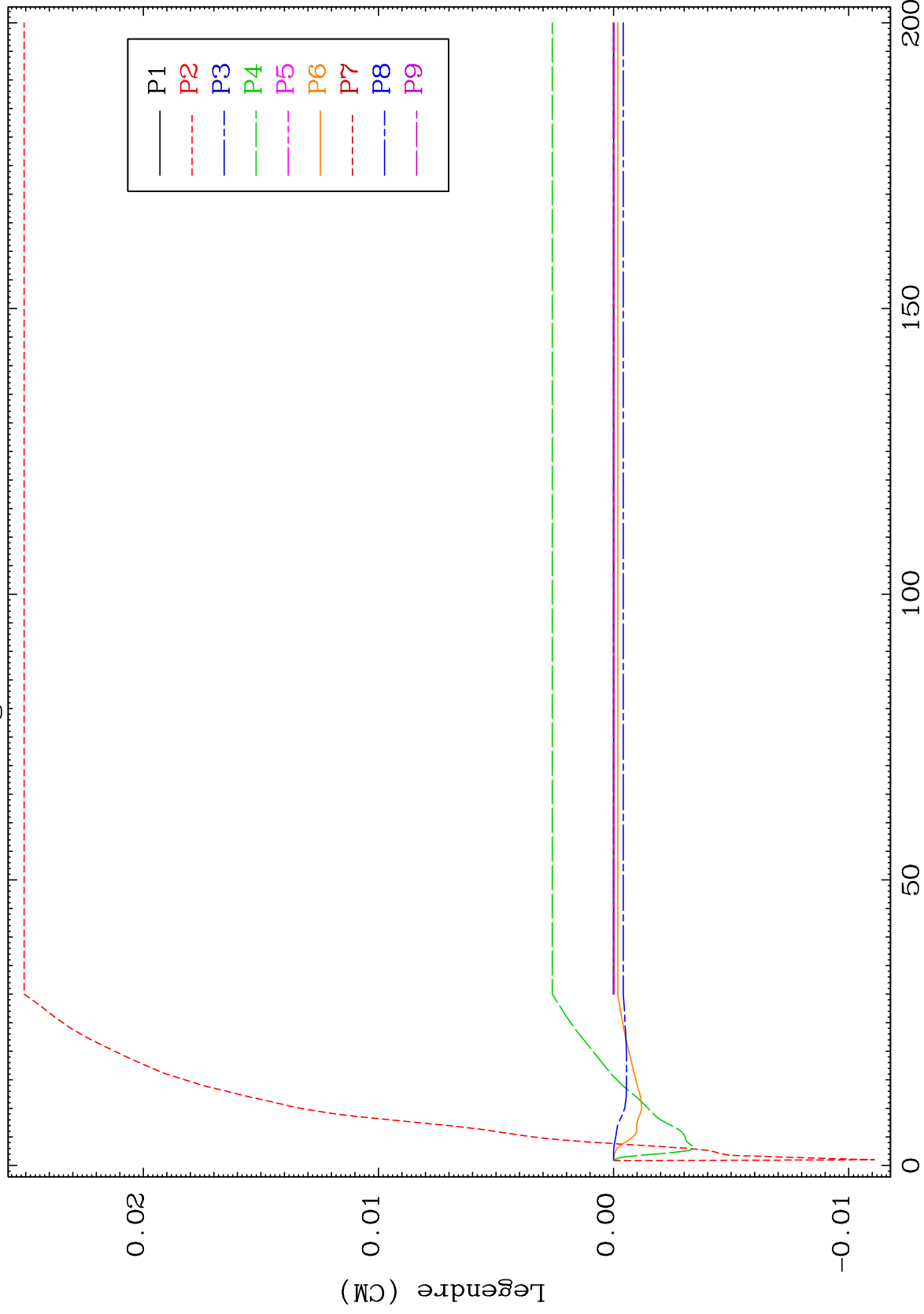
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



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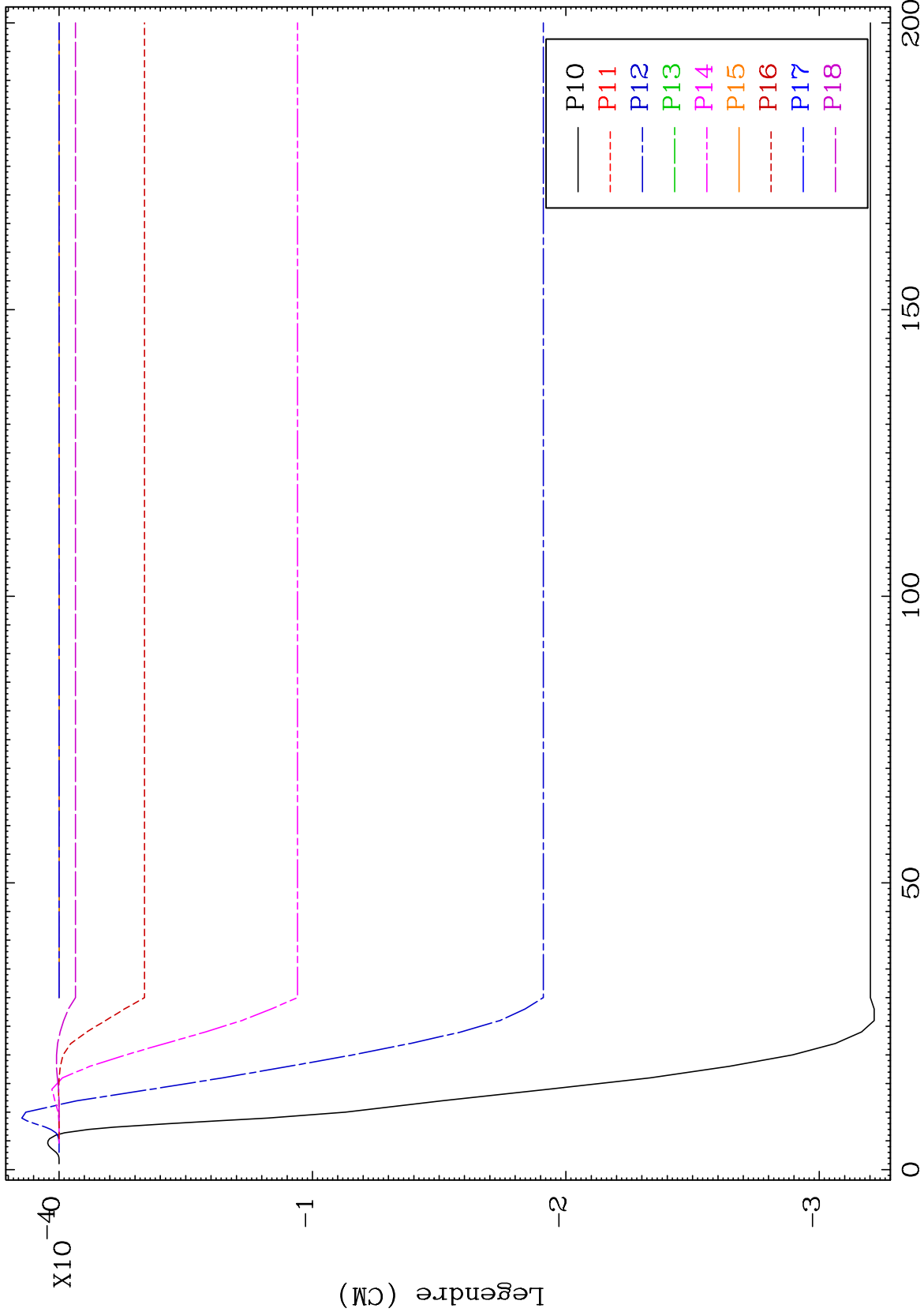
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



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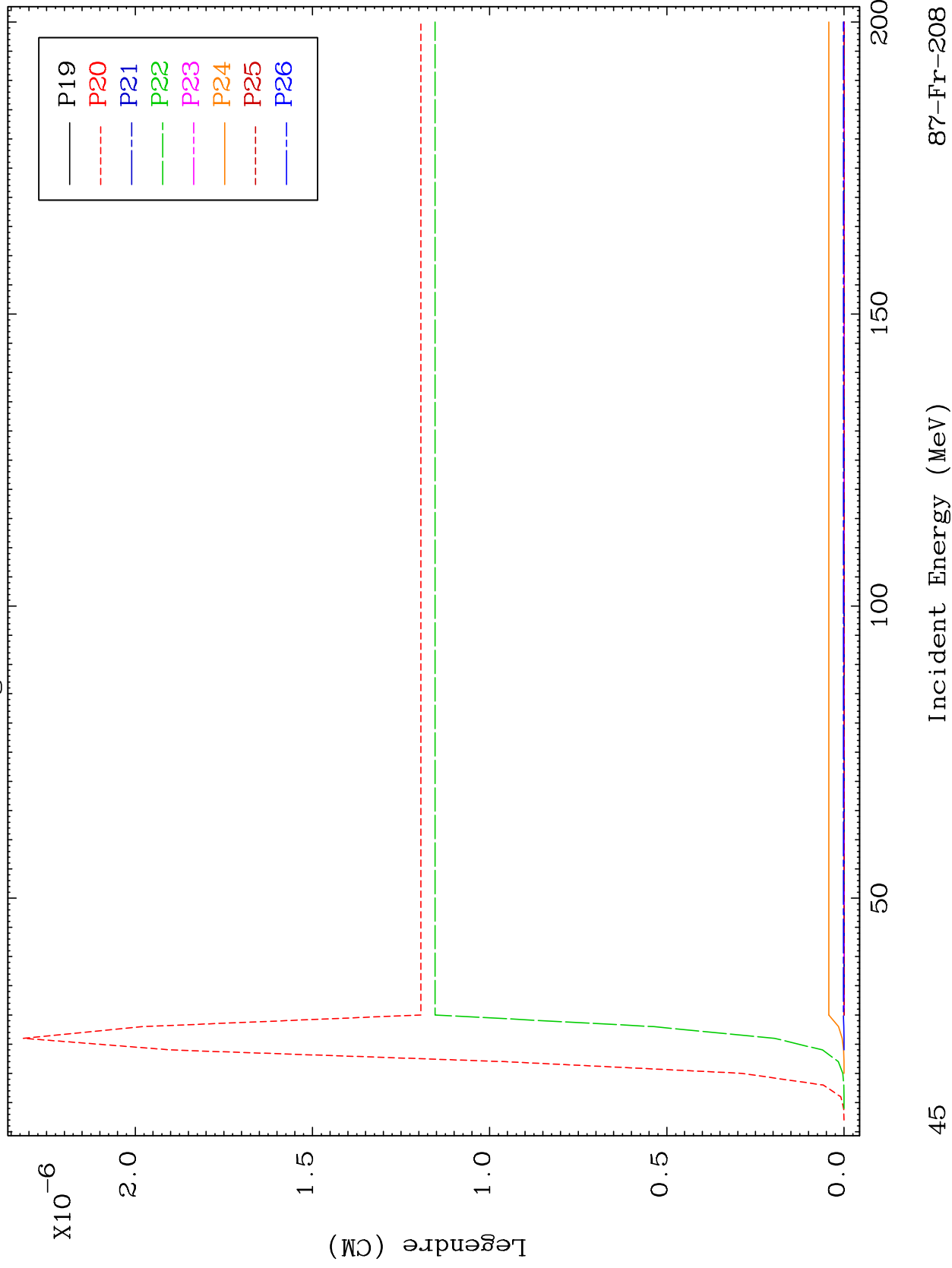
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

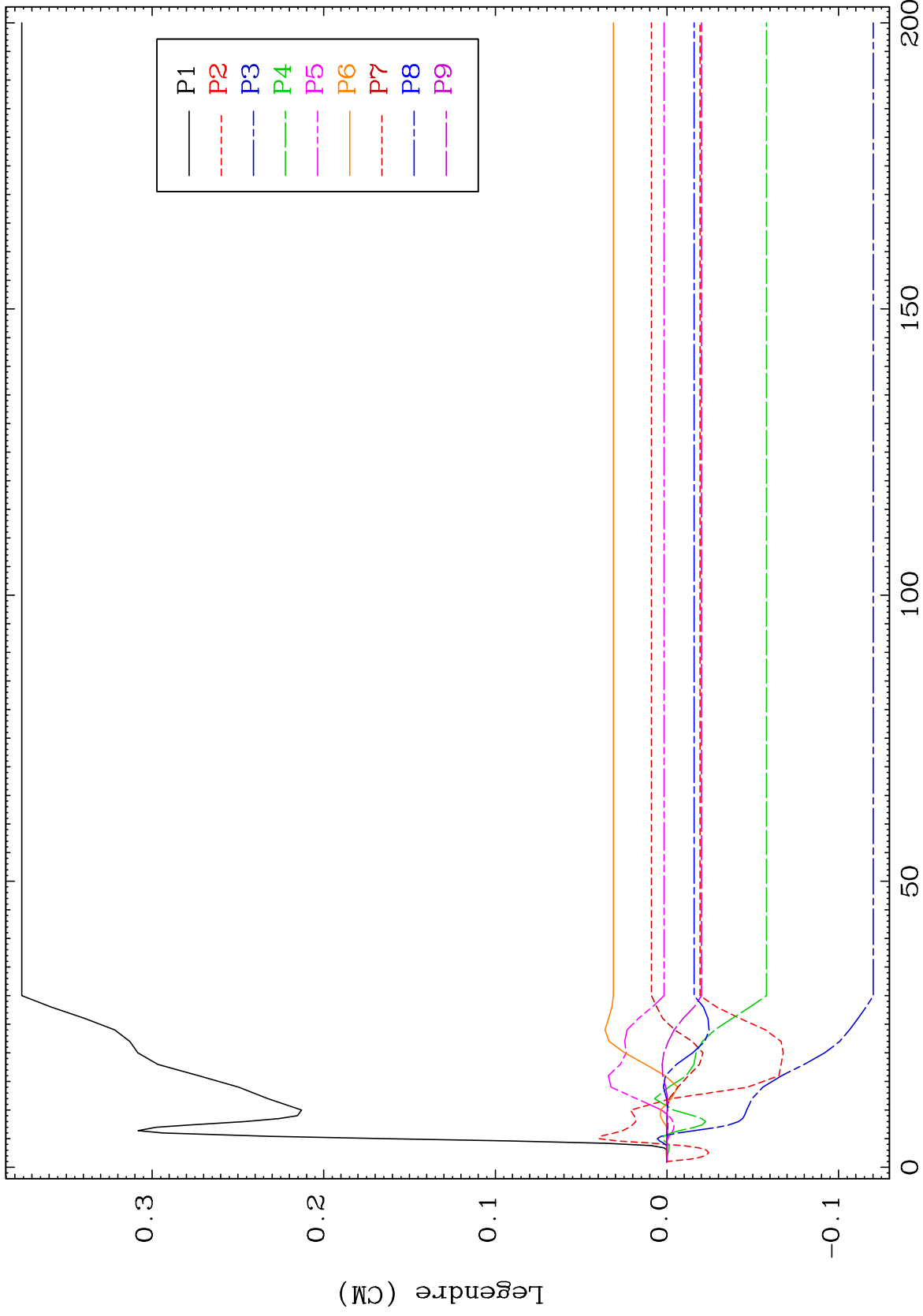
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MAT 8713

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

87-Fr-208



46

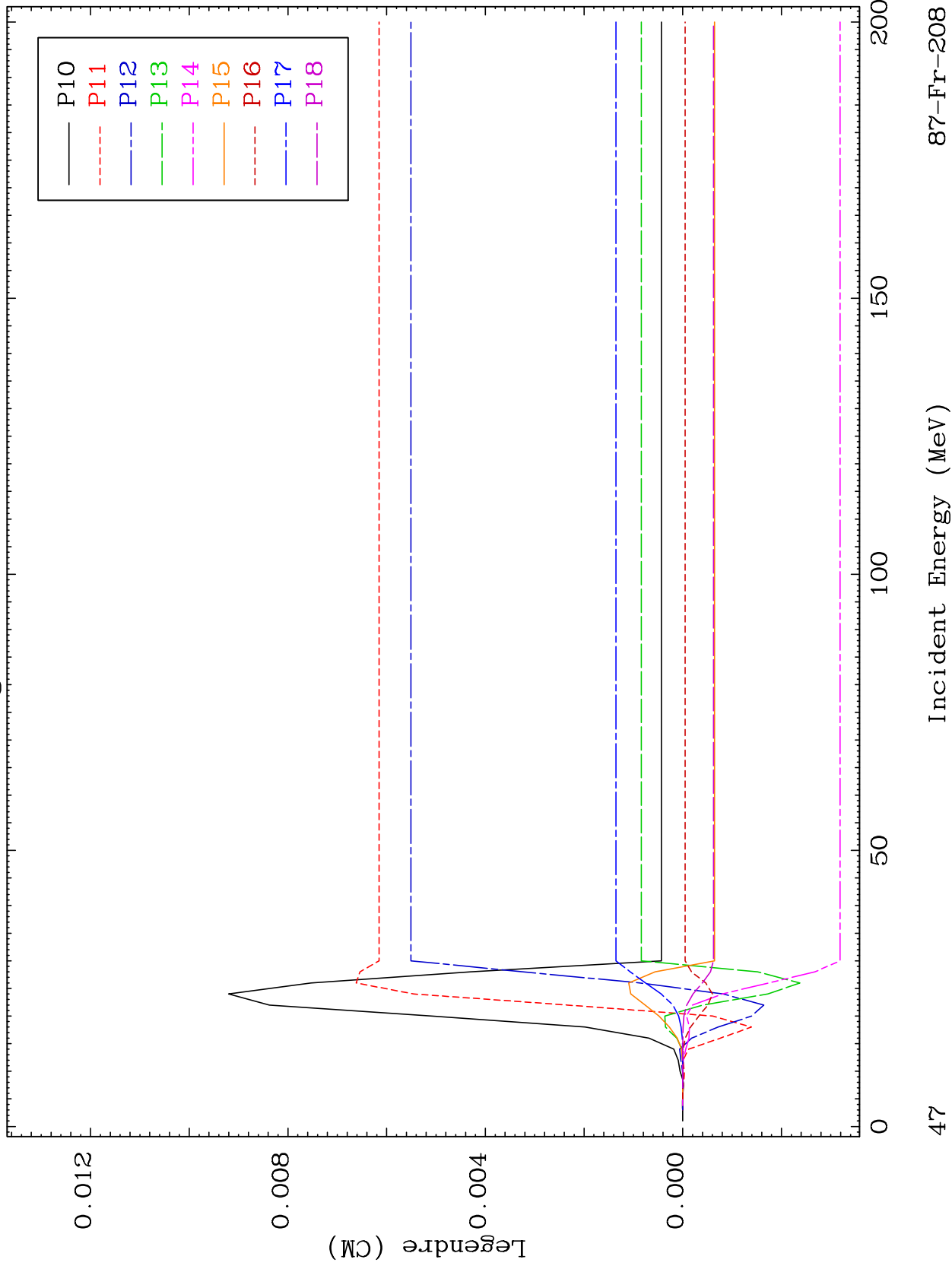
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



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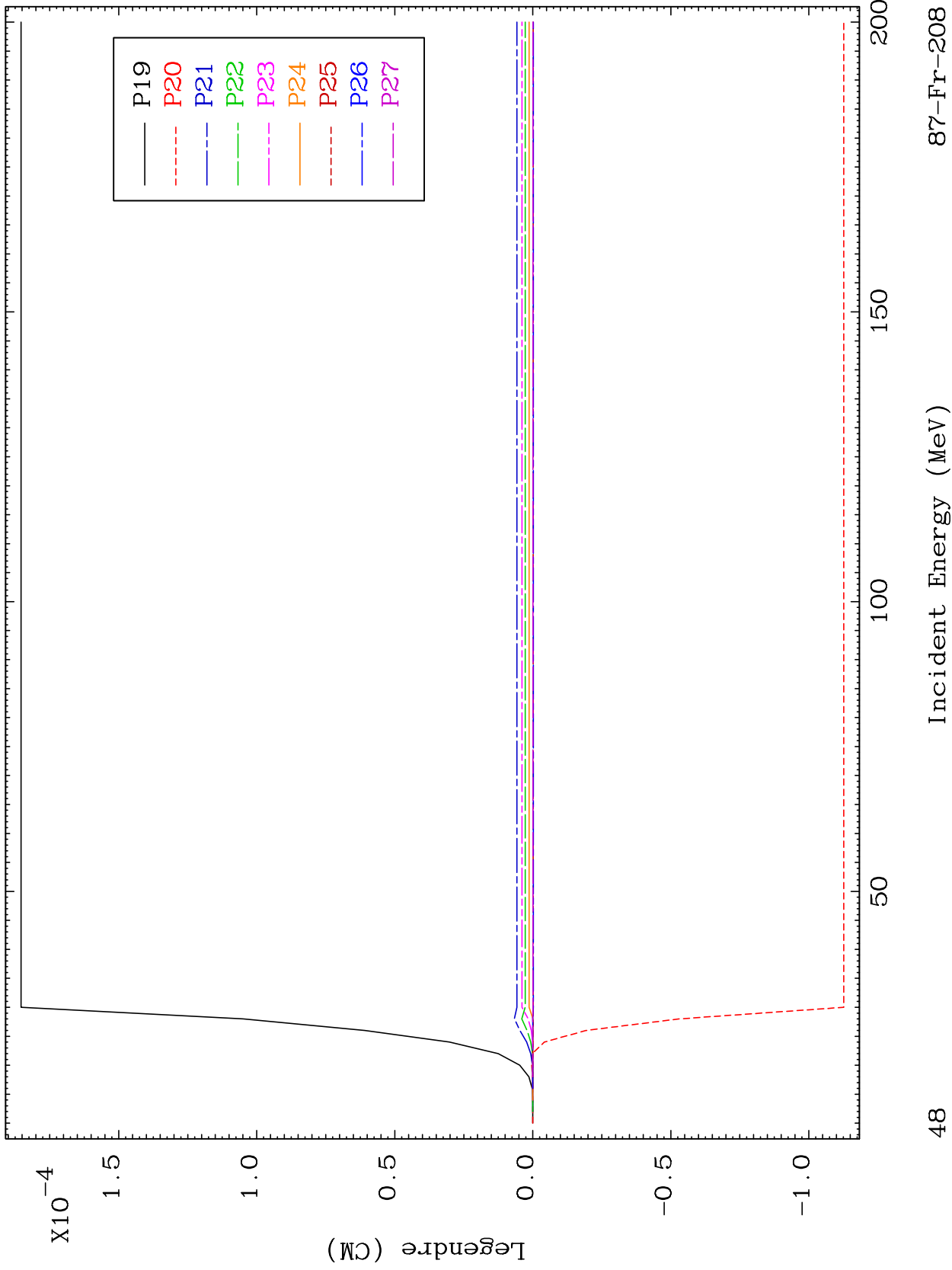
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

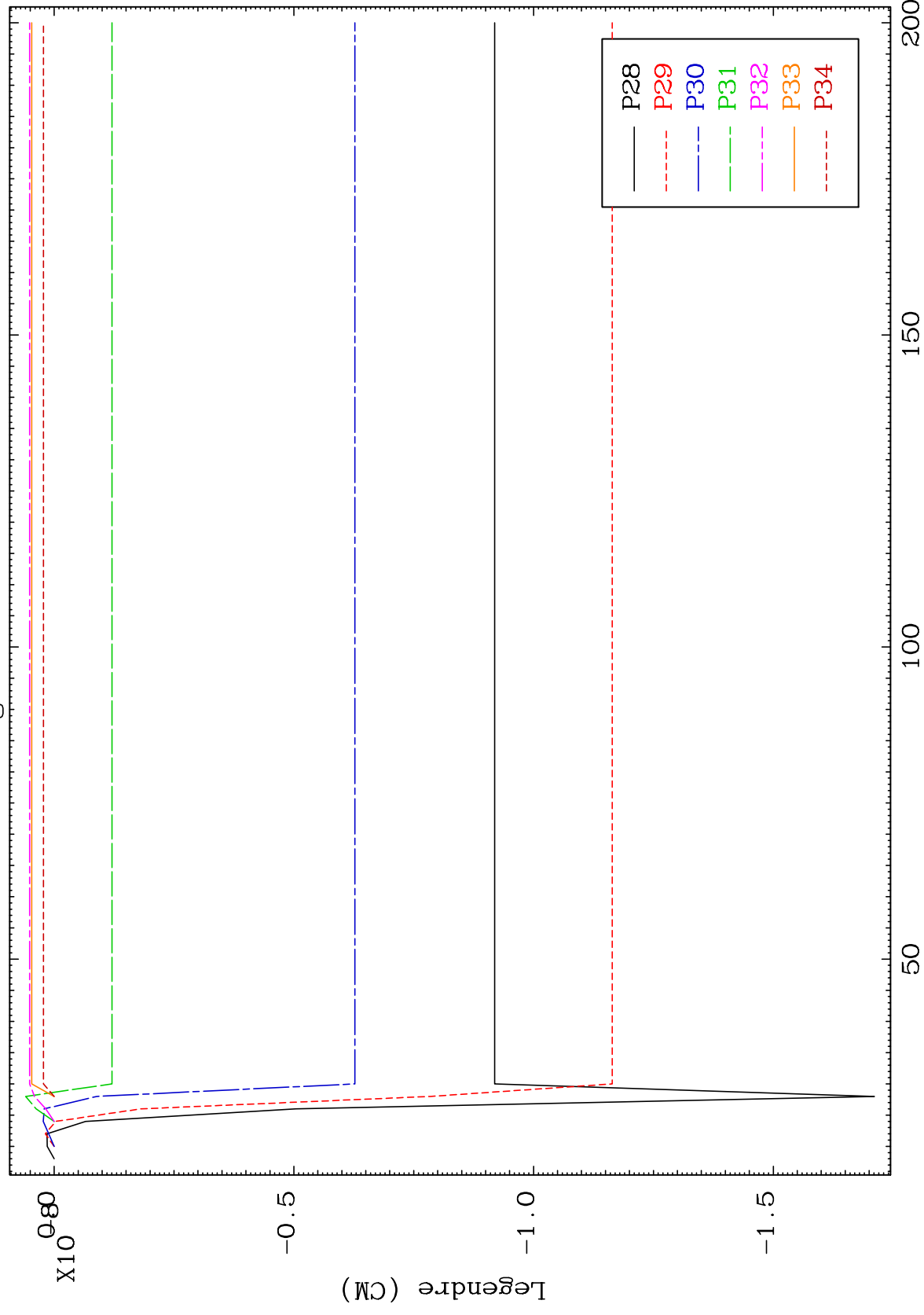
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MAT 8713

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

87-Fr-208



49

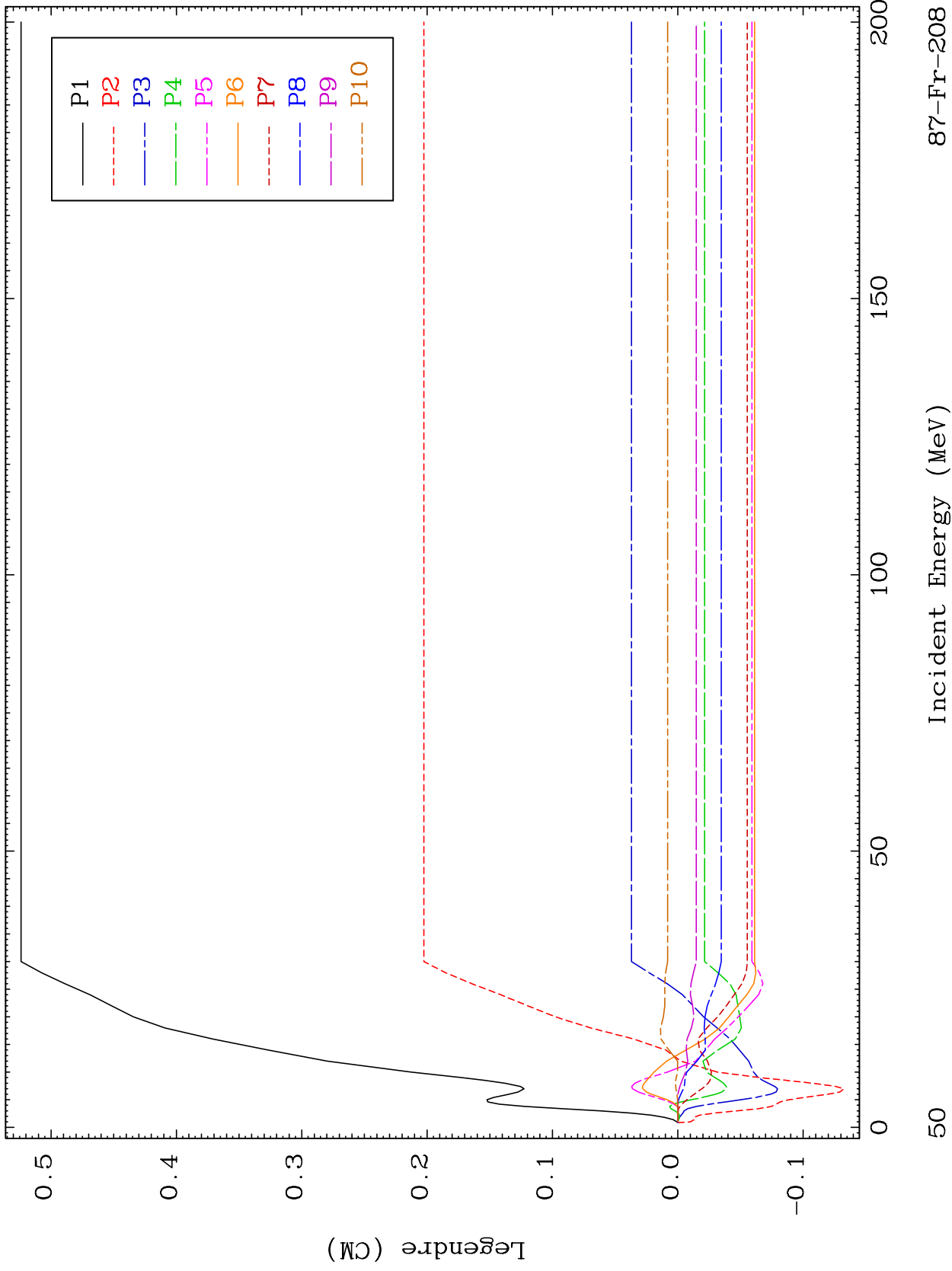
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



87-Fr-208

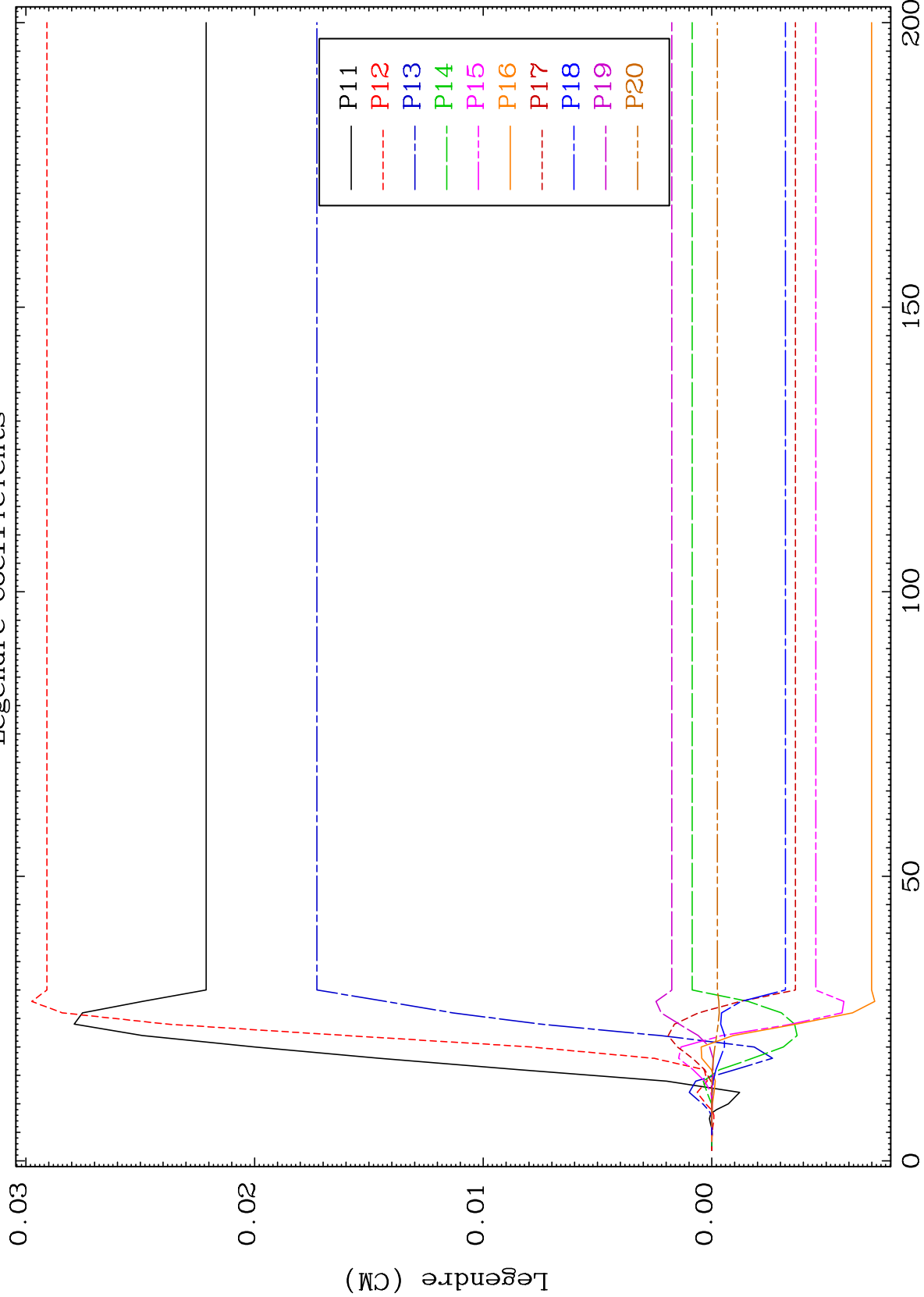
Incident Energy (MeV)

MAT 8713

MT= 59 (n,n') Level

87-Fr-208

Legendre Coefficients



51

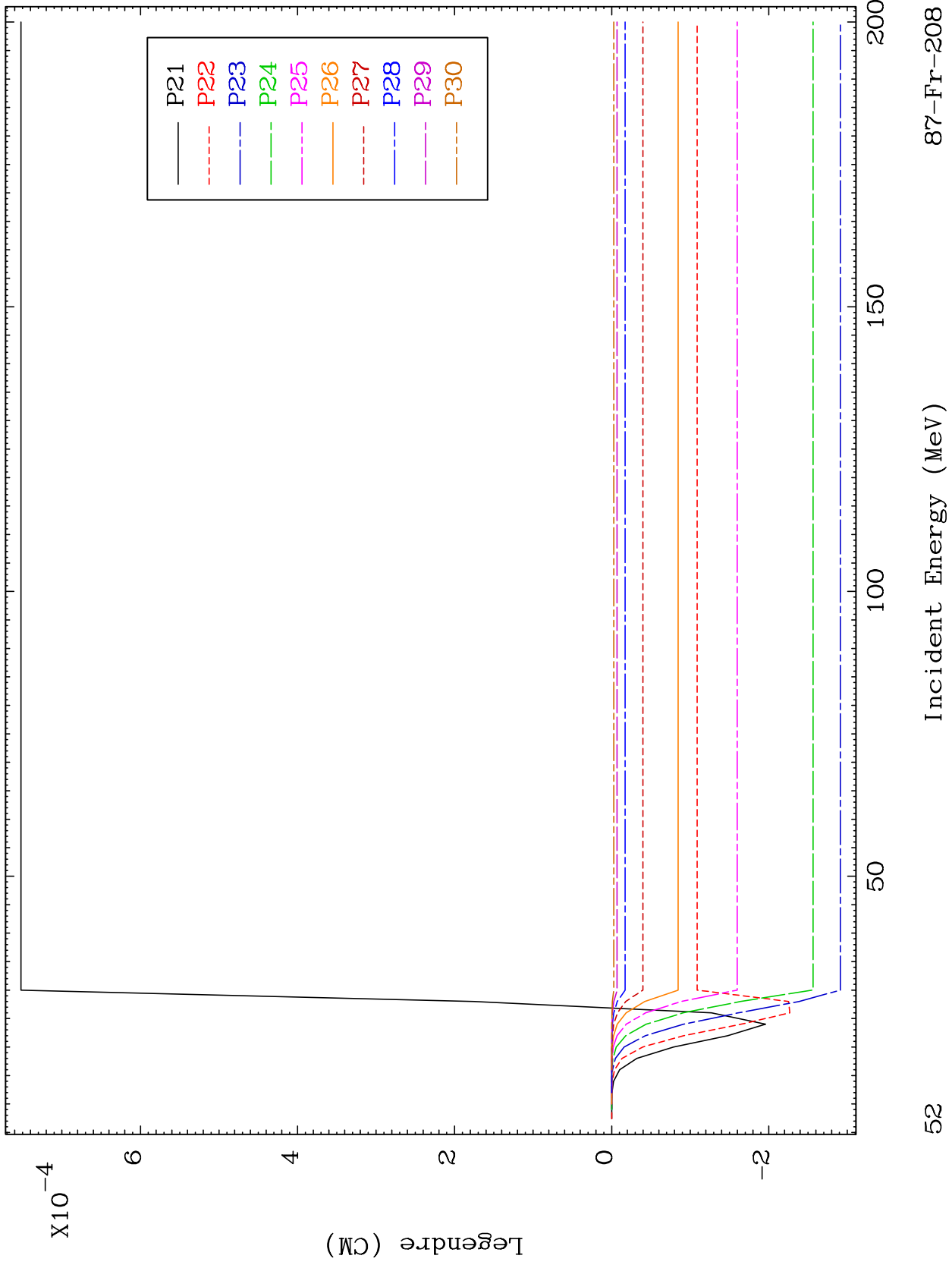
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

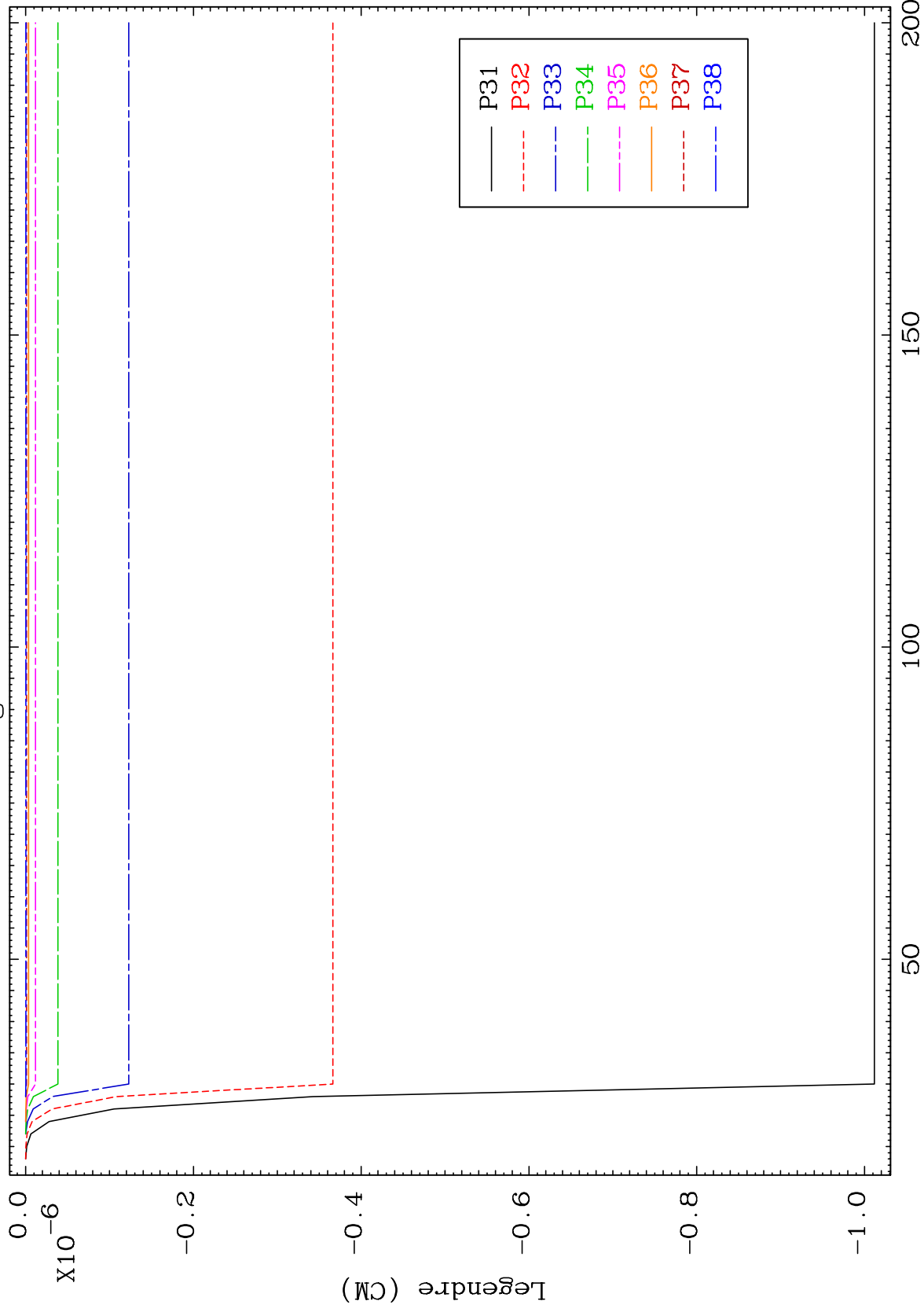
87-Fr-208



MAT 8713

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

87-Fr-208



53

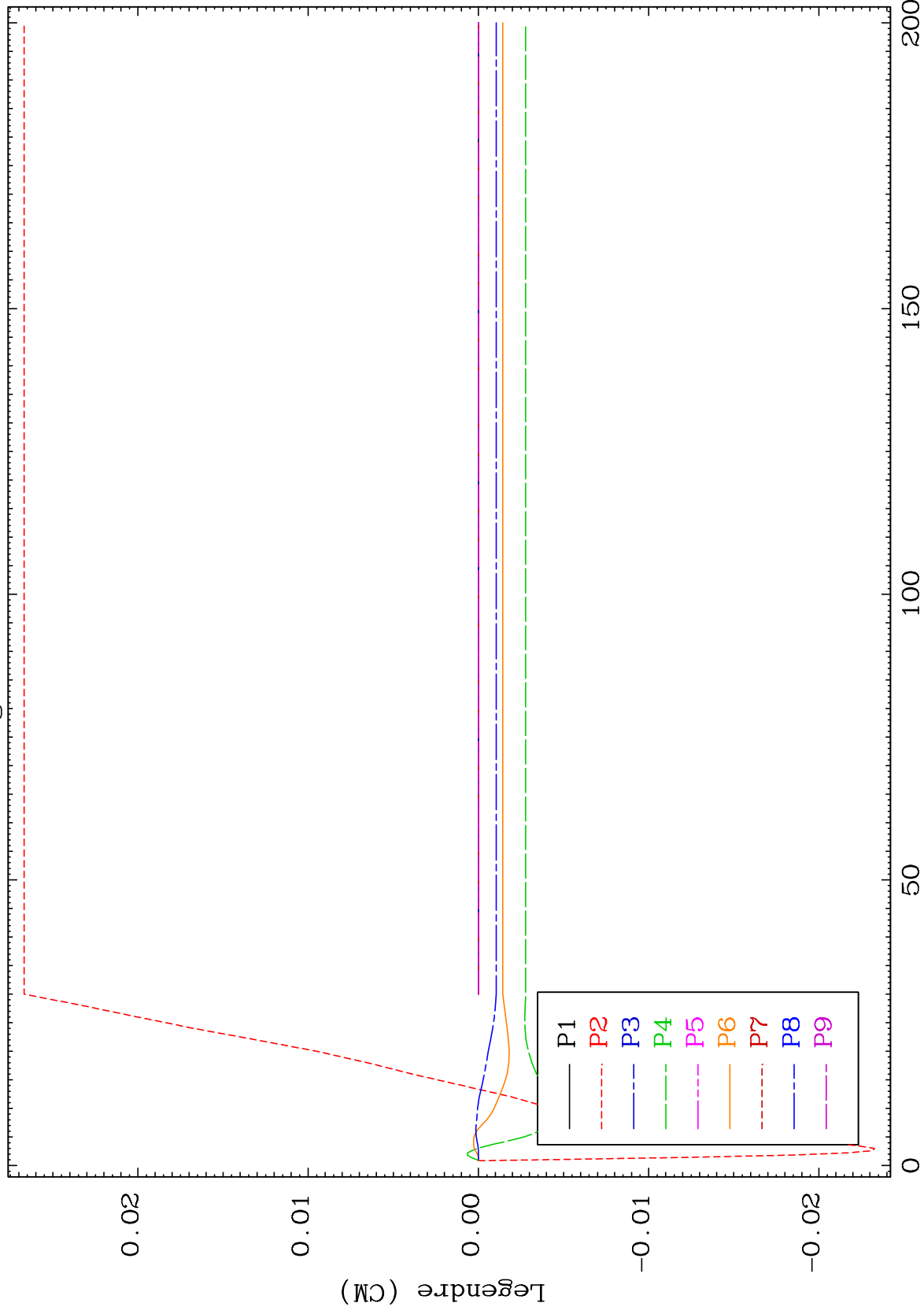
Incident Energy (MeV)

87-Fr-208

MAT 8713

87-Fr-208

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



87-Fr-208

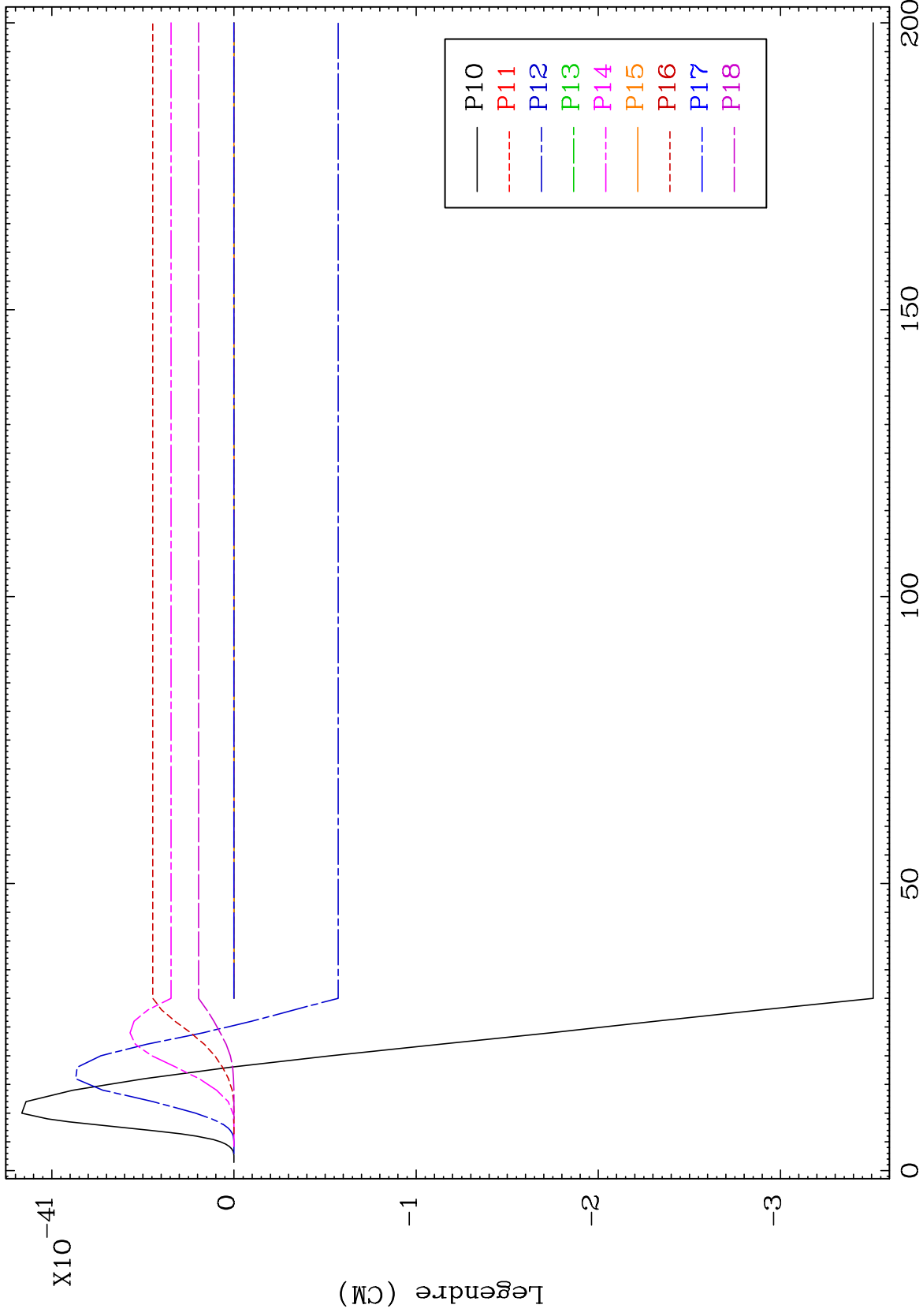
Incident Energy (MeV)

54

MAT 8713

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

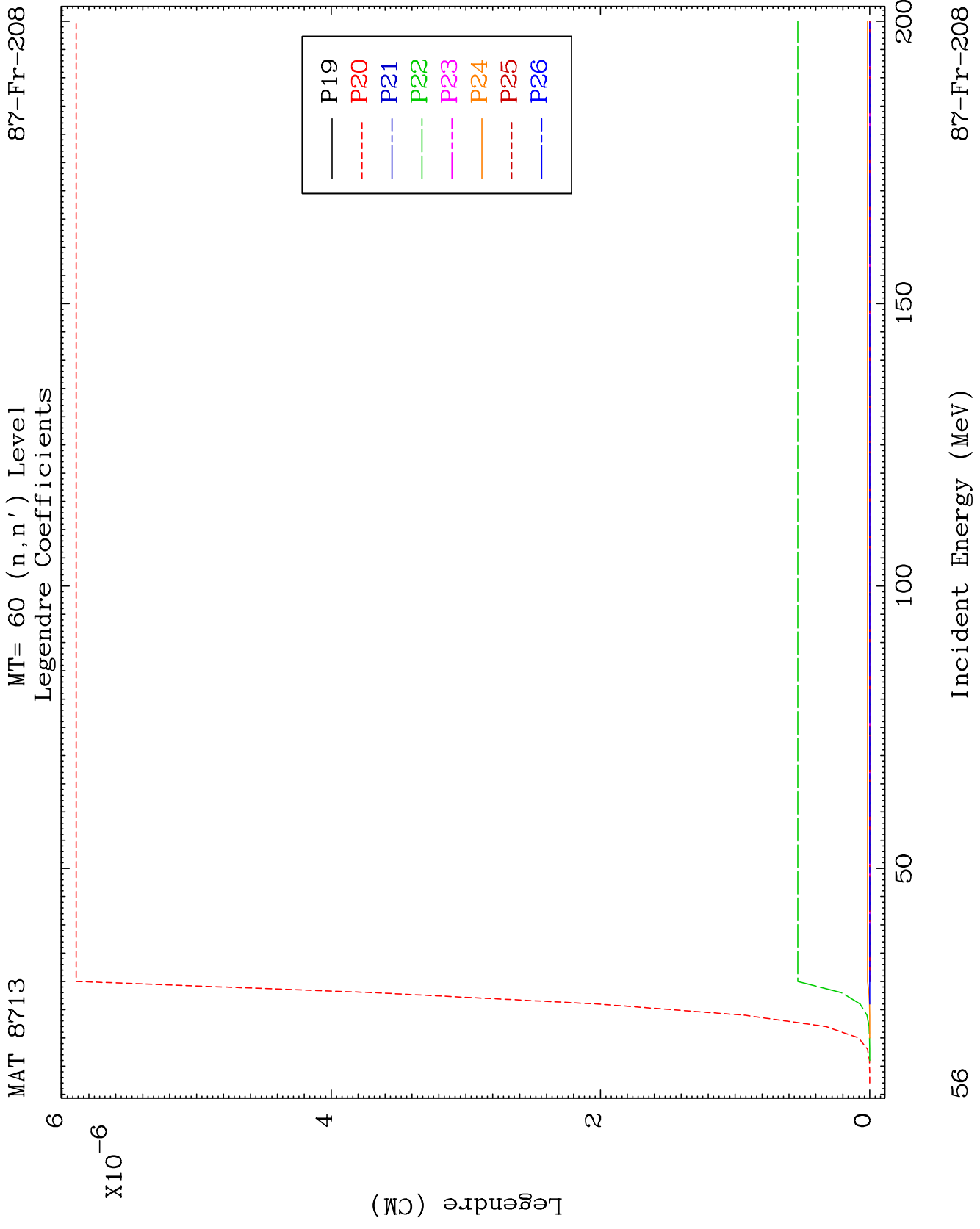
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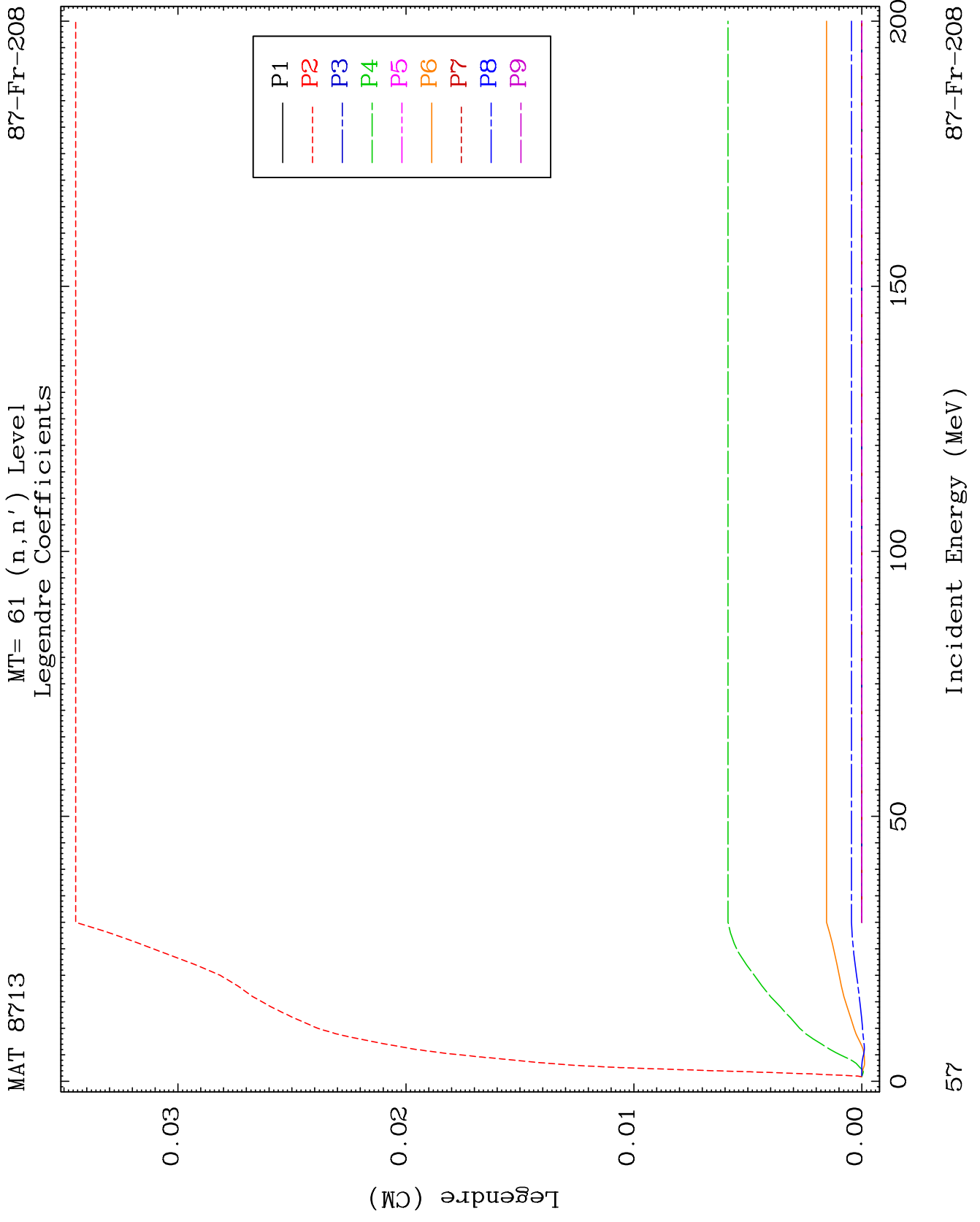


55

Incident Energy (MeV)

87-Fr-208

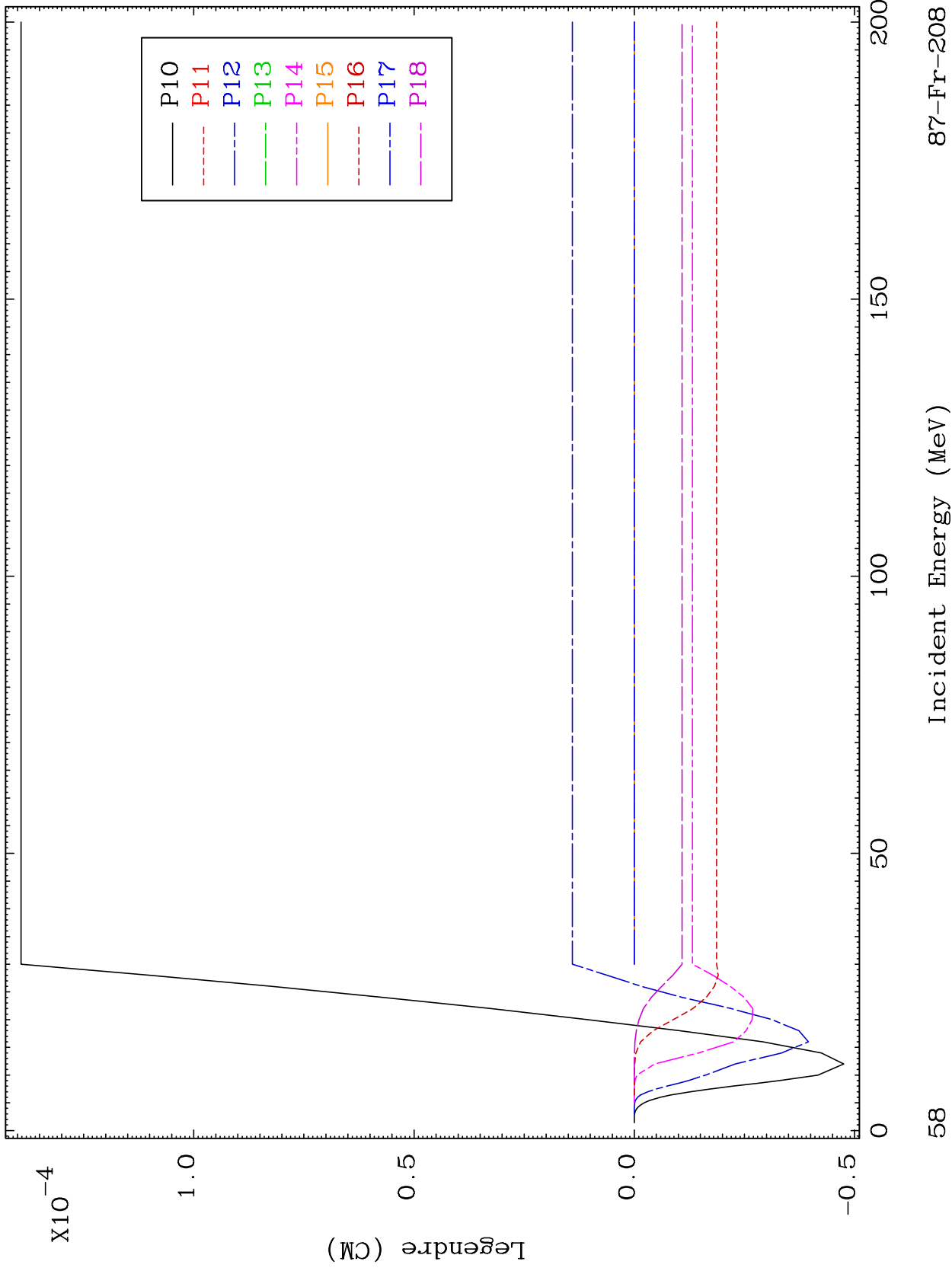




MAT 8713

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

87-Fr-208



58

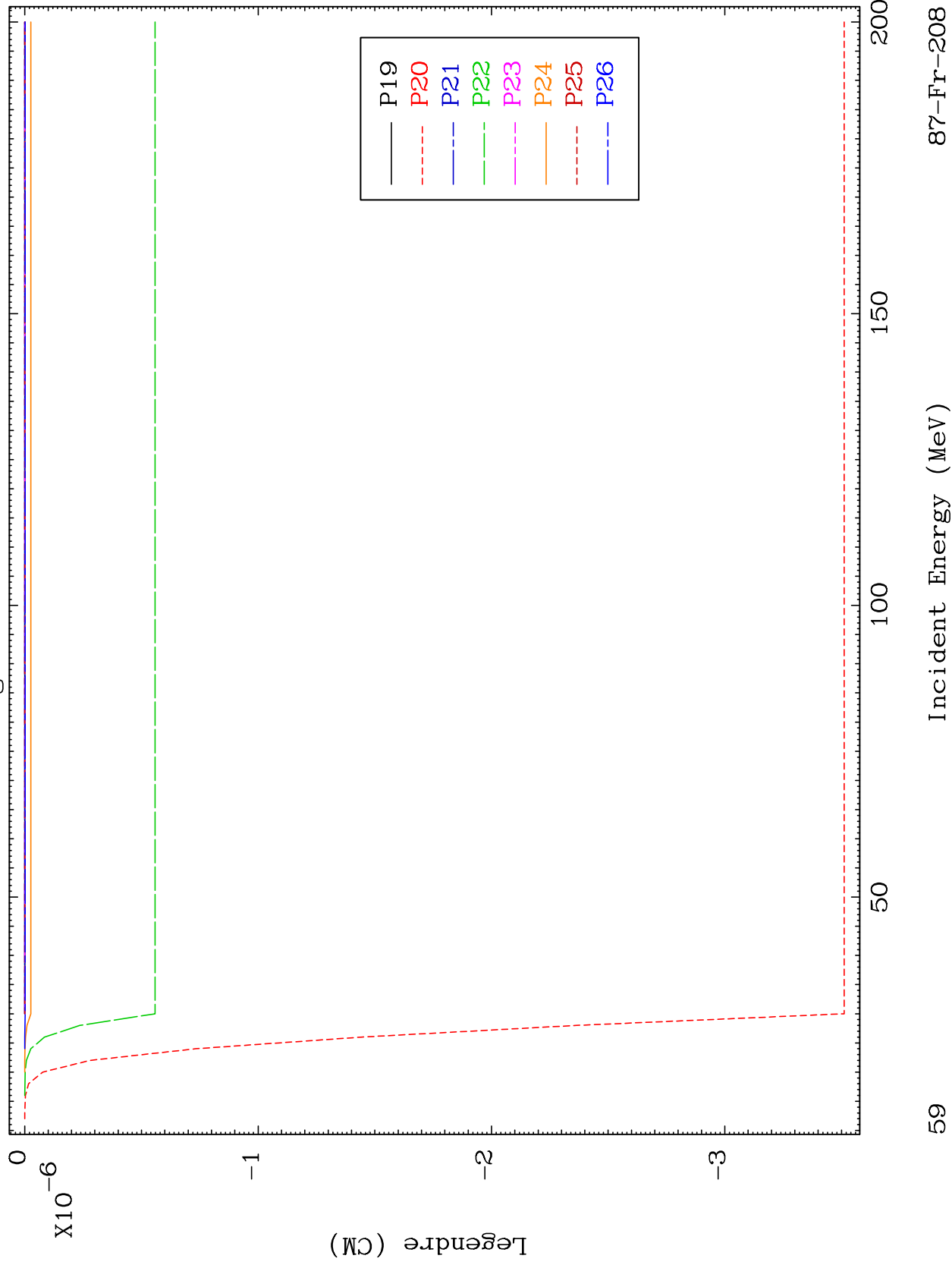
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



59

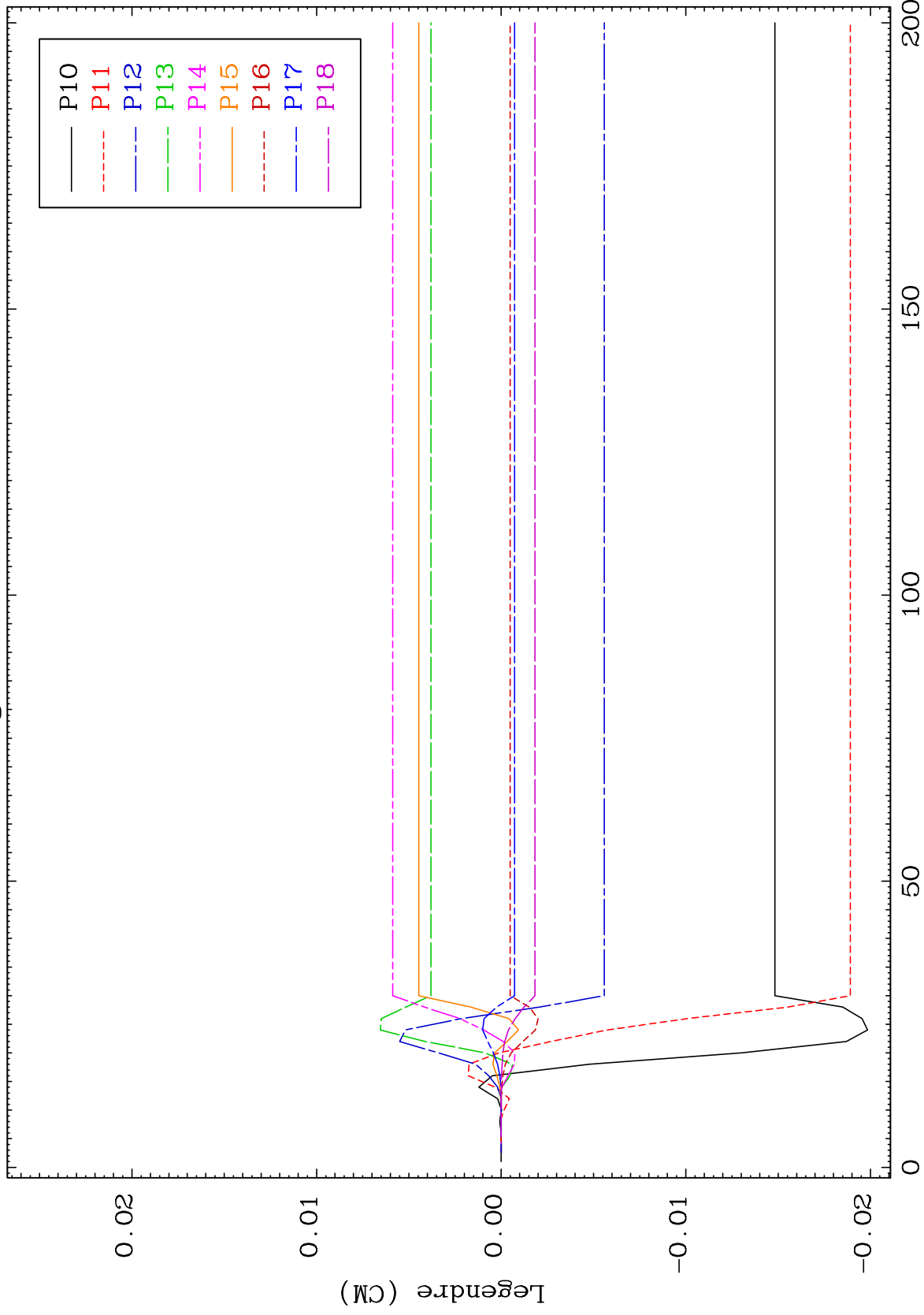
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



61

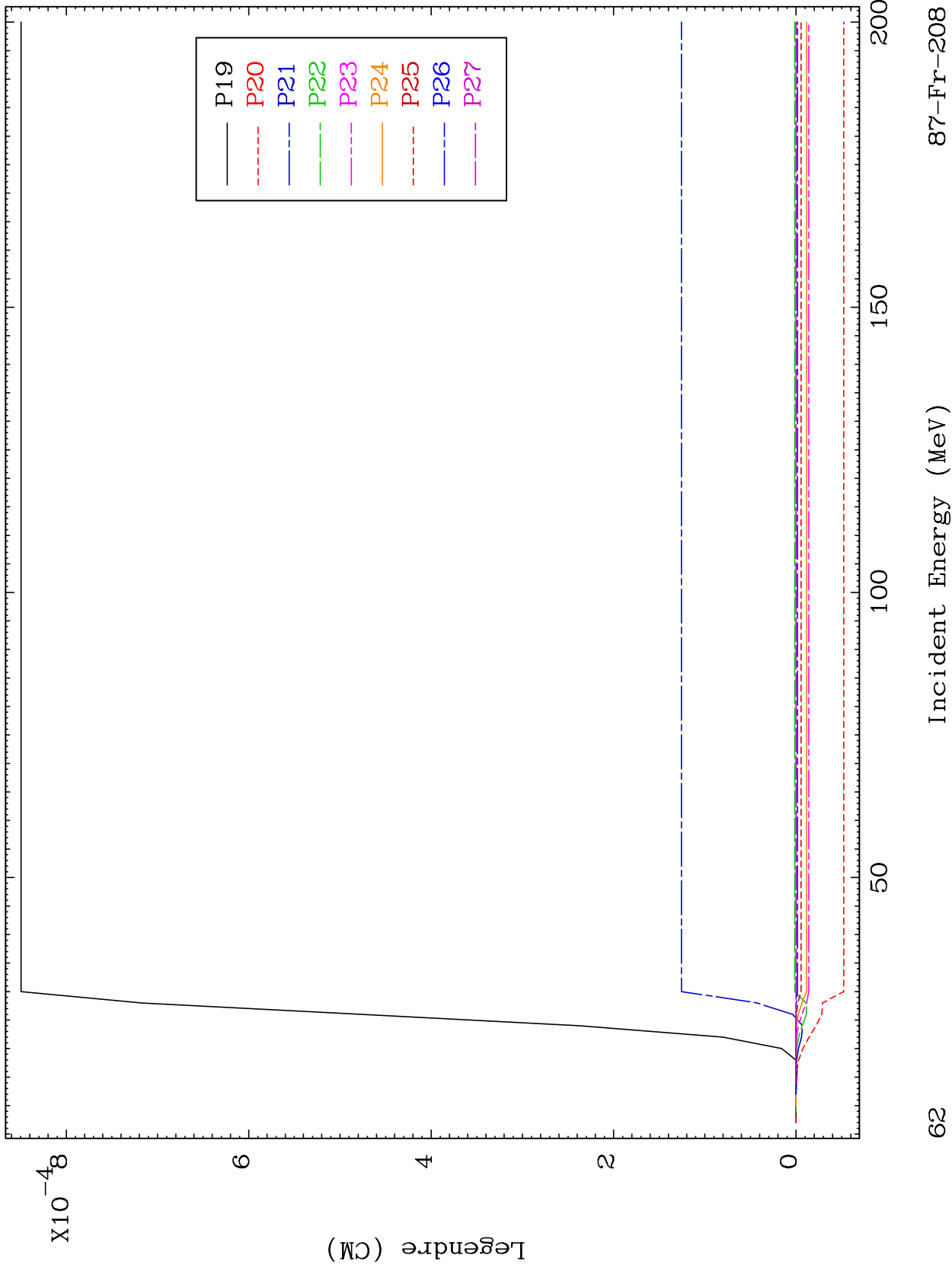
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



62

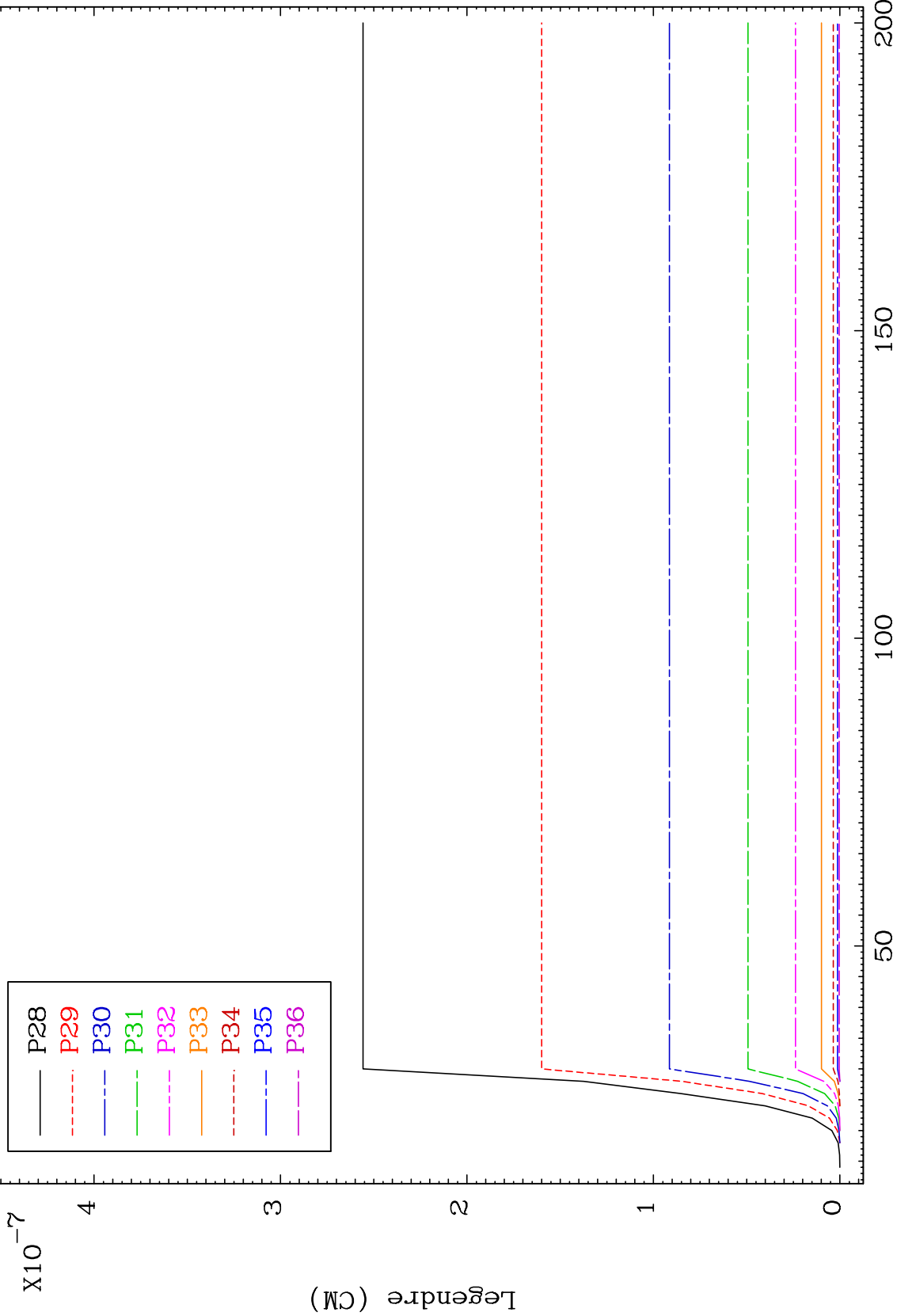
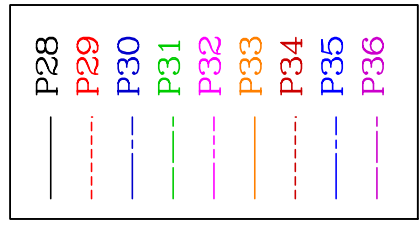
Incident Energy (MeV)

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MAT 8713

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

87-Fr-208



63

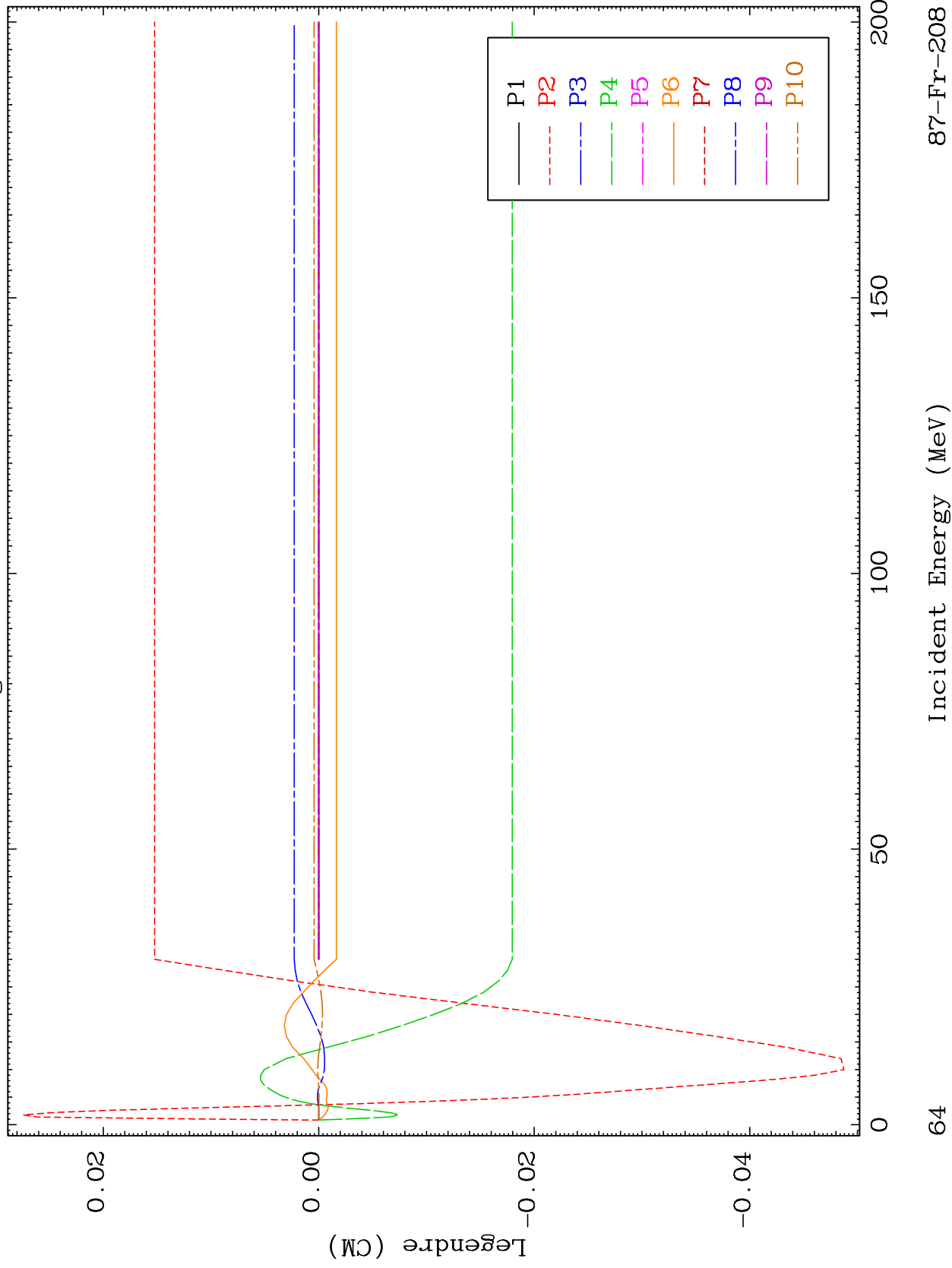
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



87-Fr-208

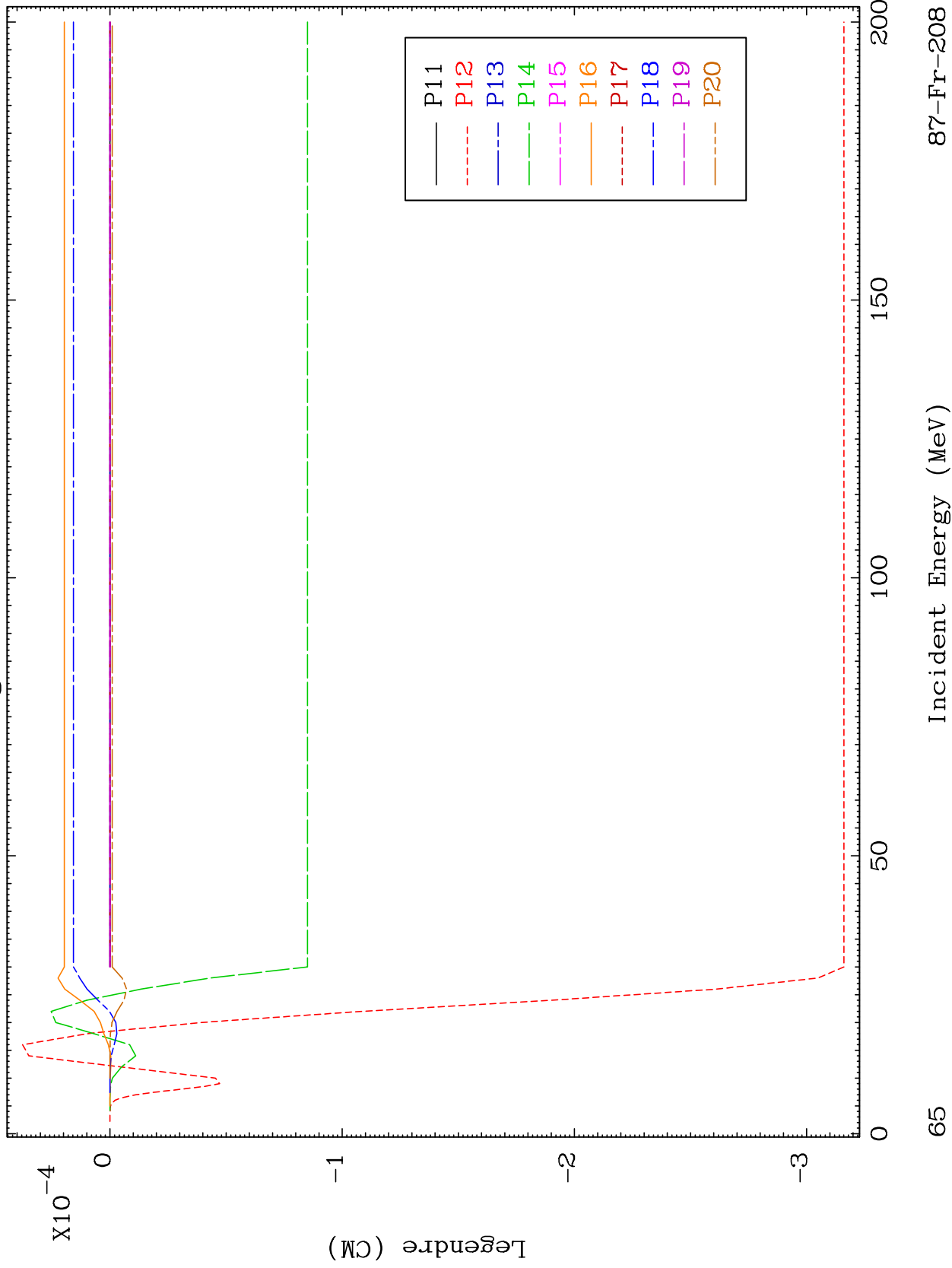
Incident Energy (MeV)

64

MAT 8713

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

87-Fr-208



87-Fr-208

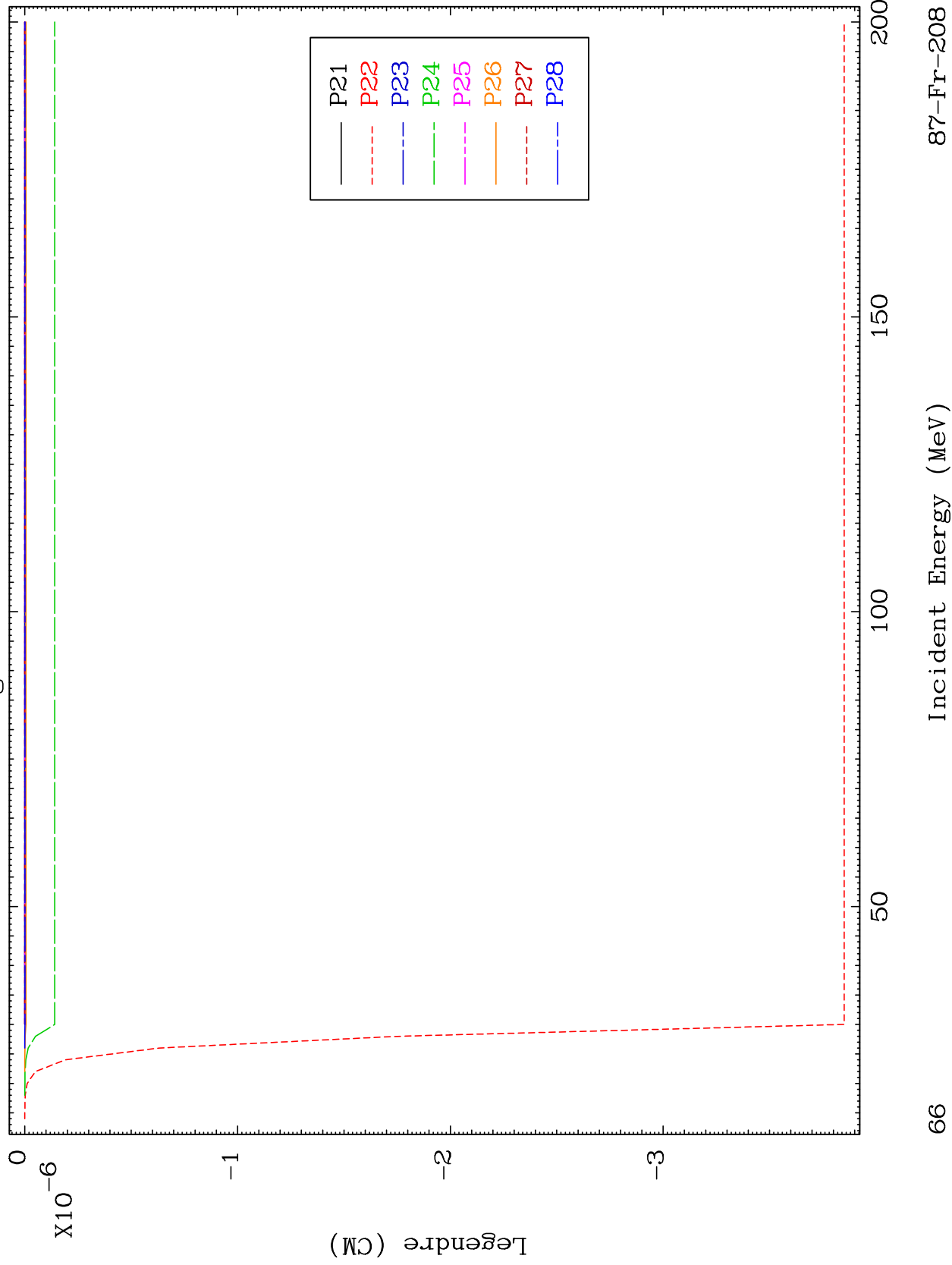
Incident Energy (MeV)

65

MAT 8713

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

87-Fr-208



66

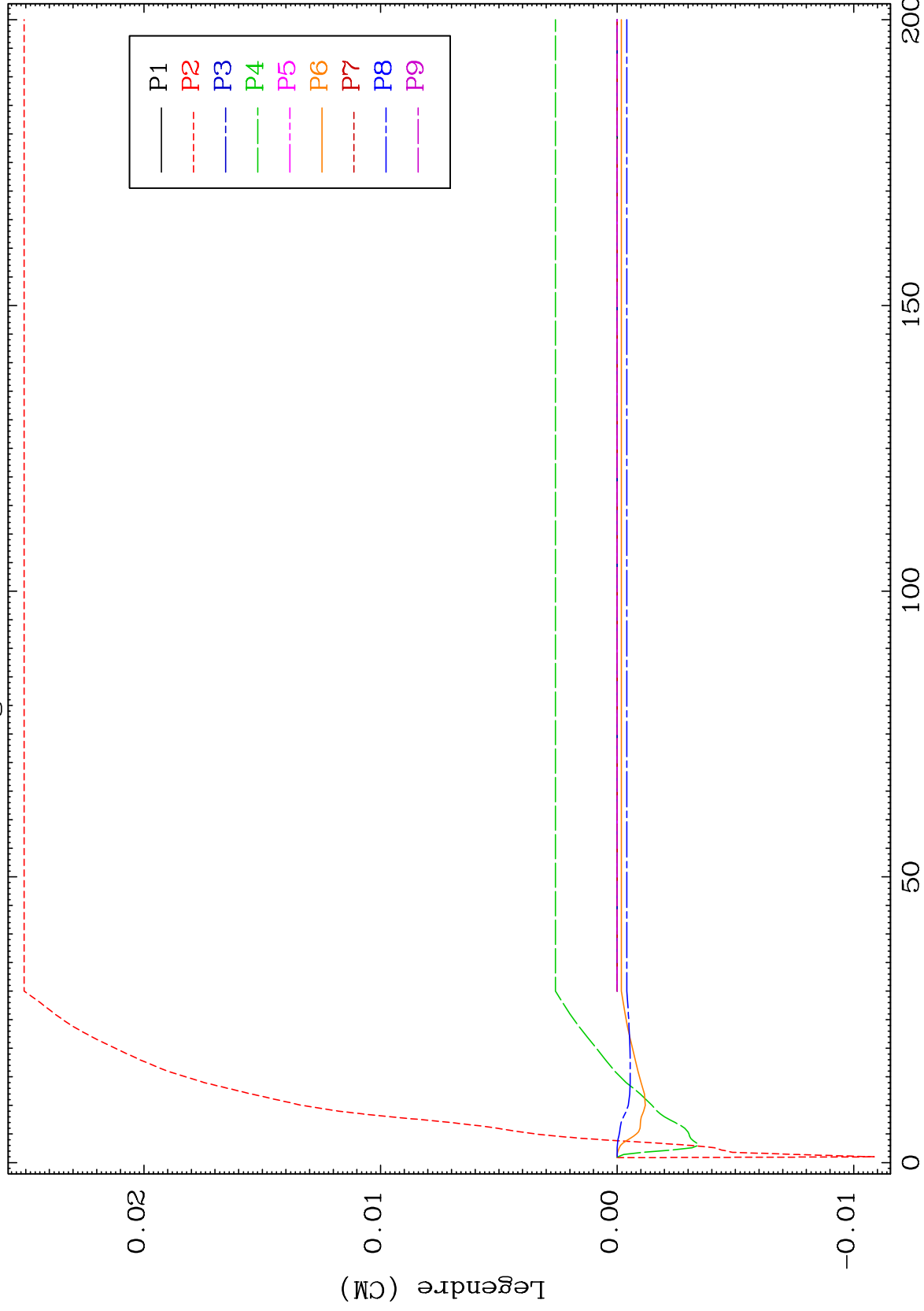
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



87-Fr-208

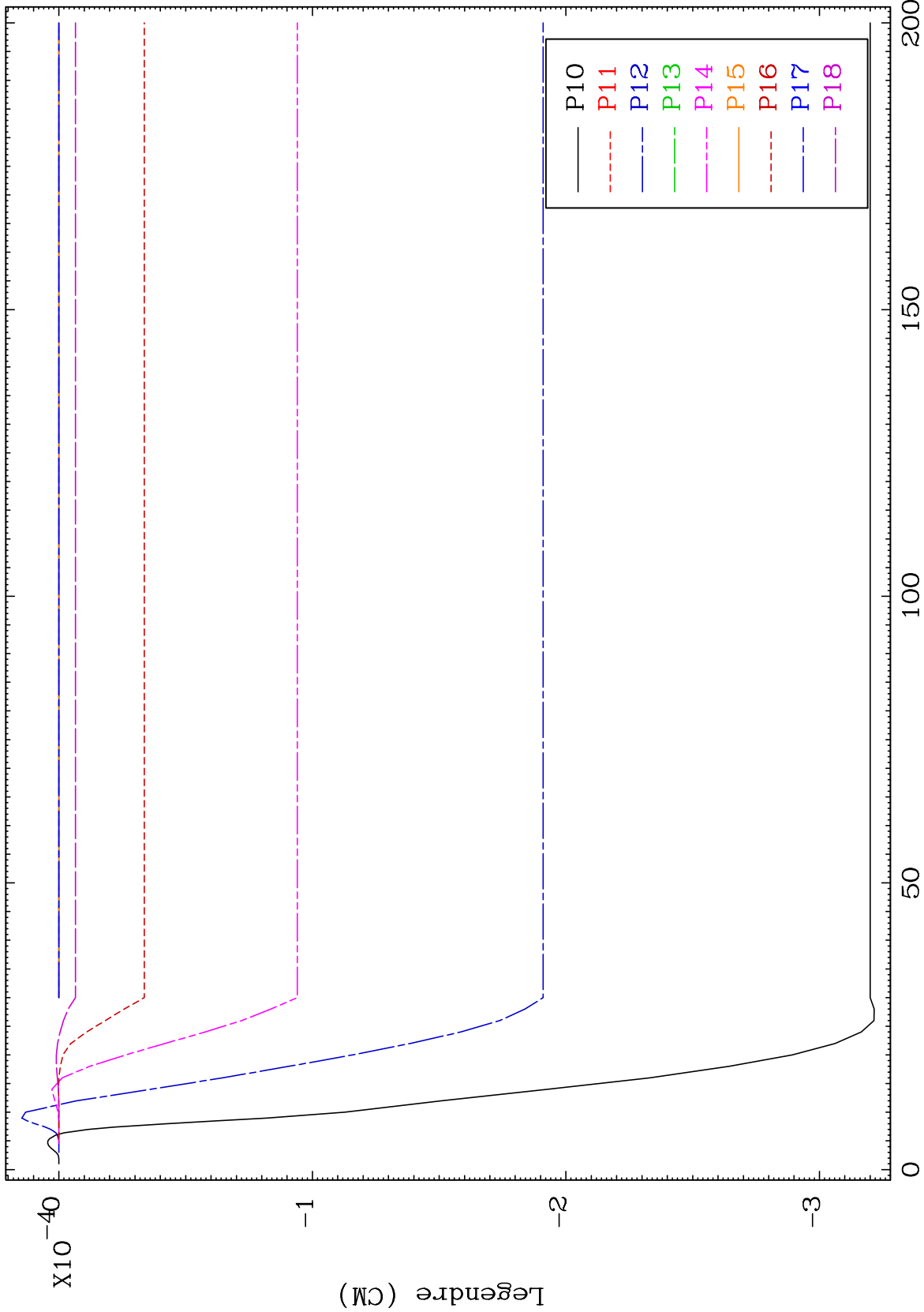
Incident Energy (MeV)

67

MAT 8713

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

87-Fr-208



68

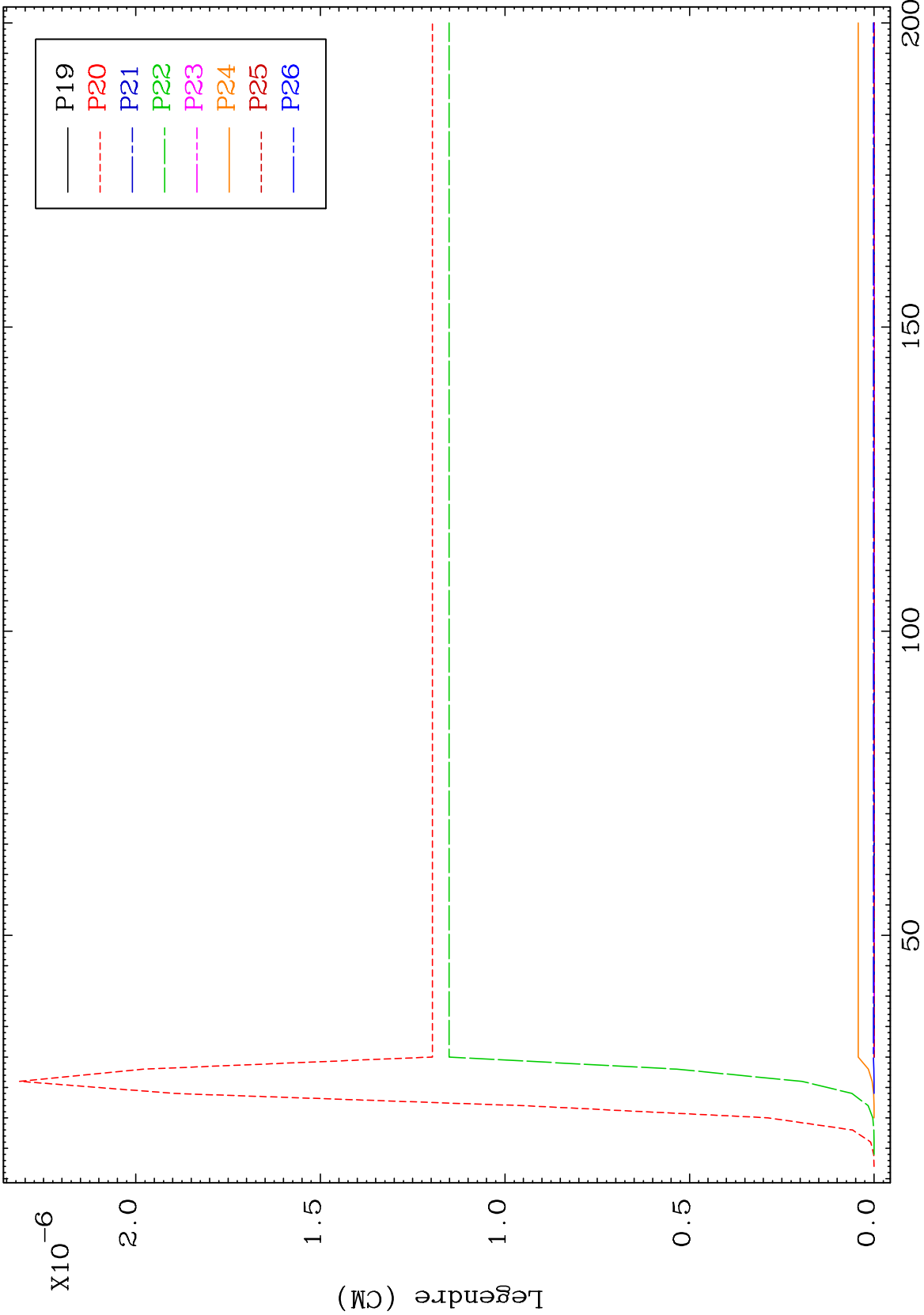
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



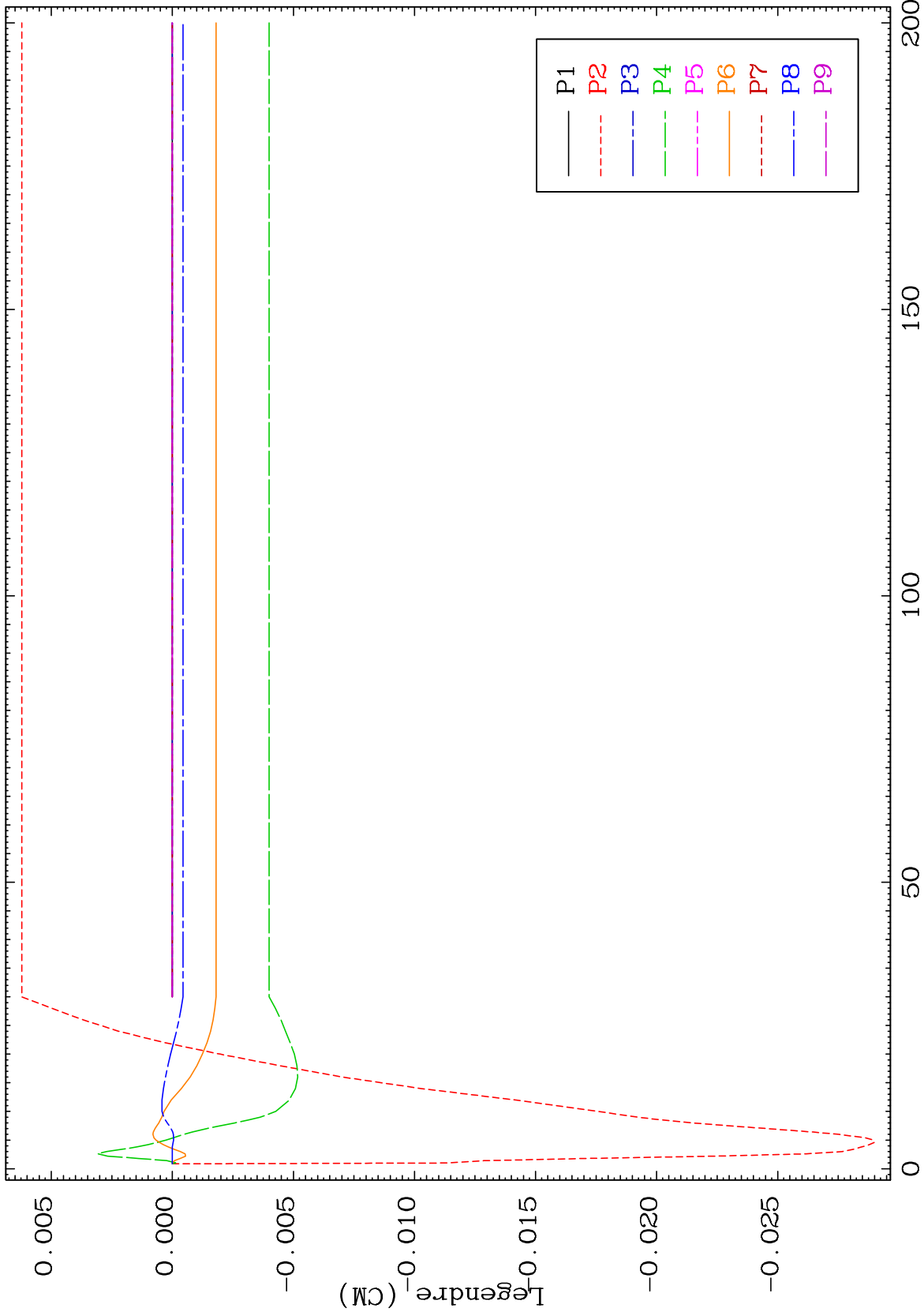
69

87-Fr-208

MAT 8713

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

87-Fr-208



87-Fr-208

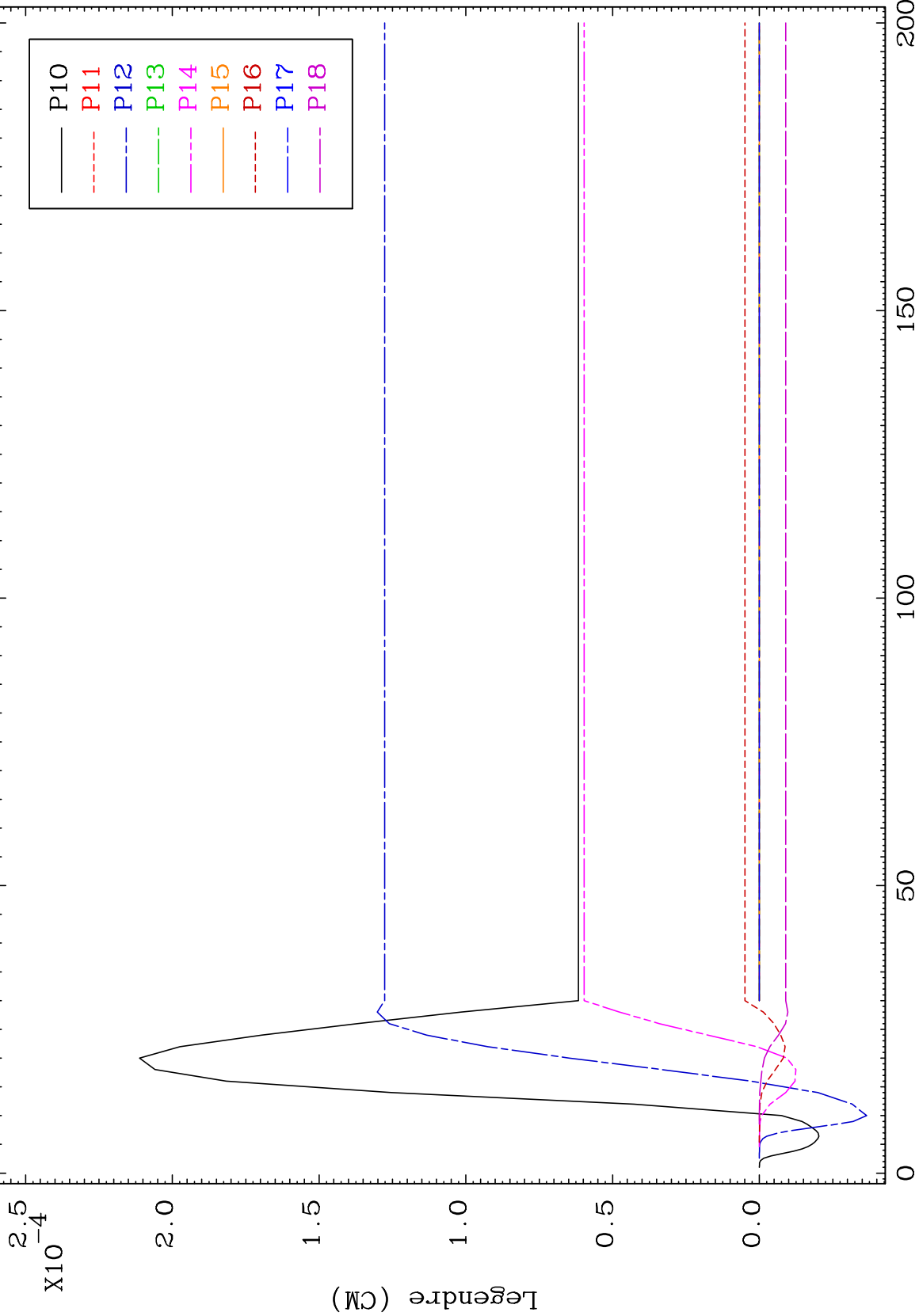
Incident Energy (MeV)

70

MAT 8713

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

87-Fr-208



71

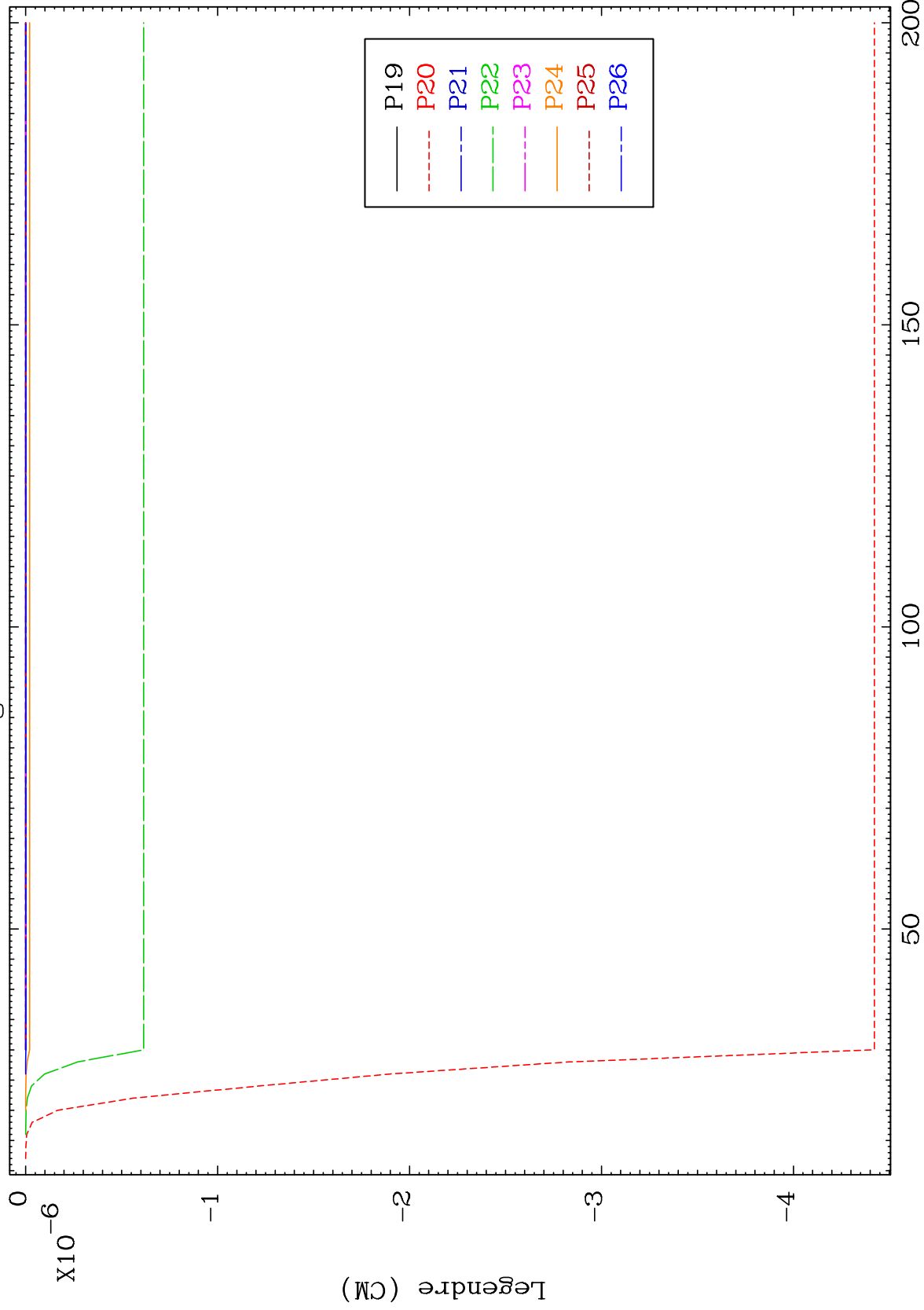
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



72

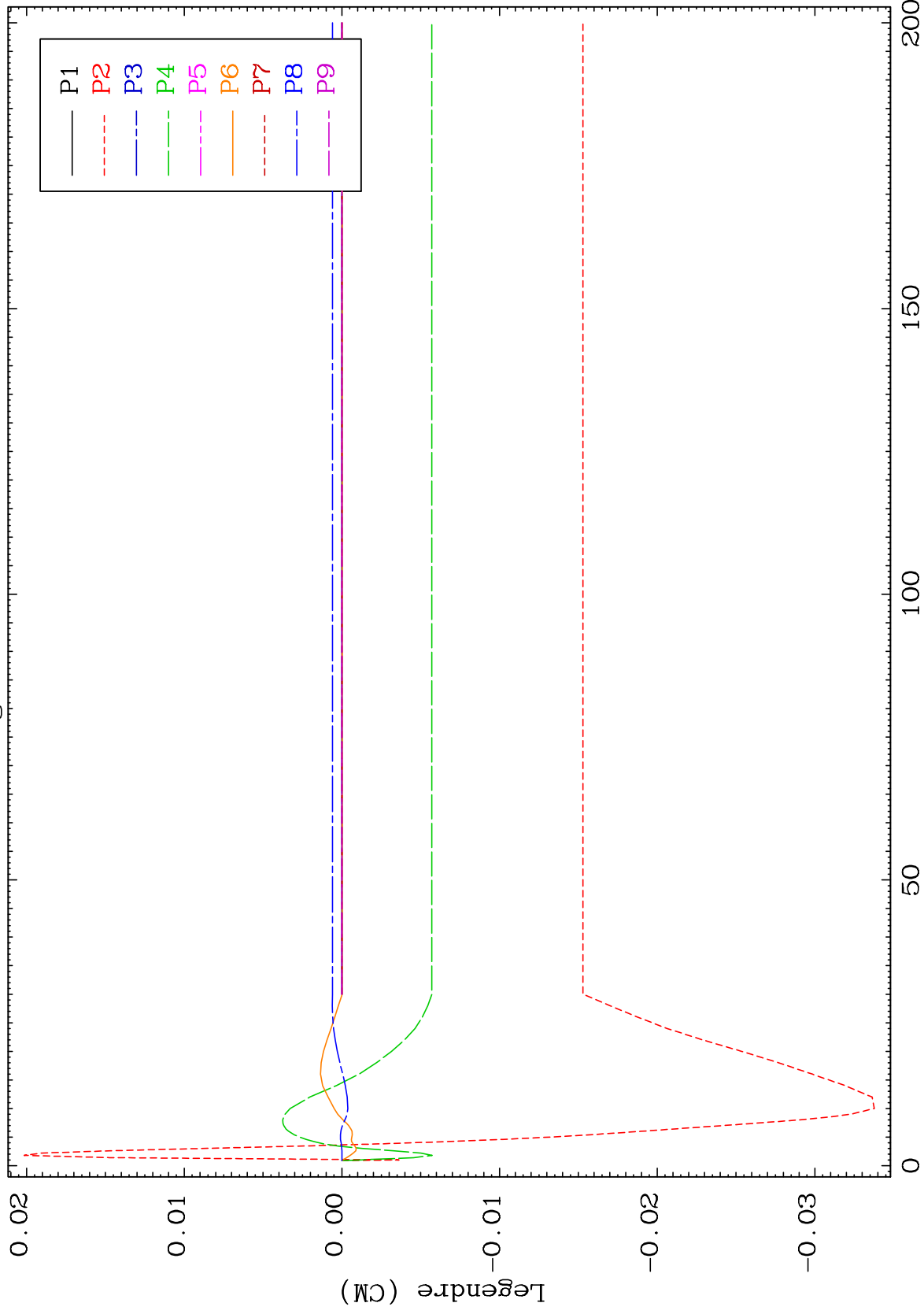
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



73

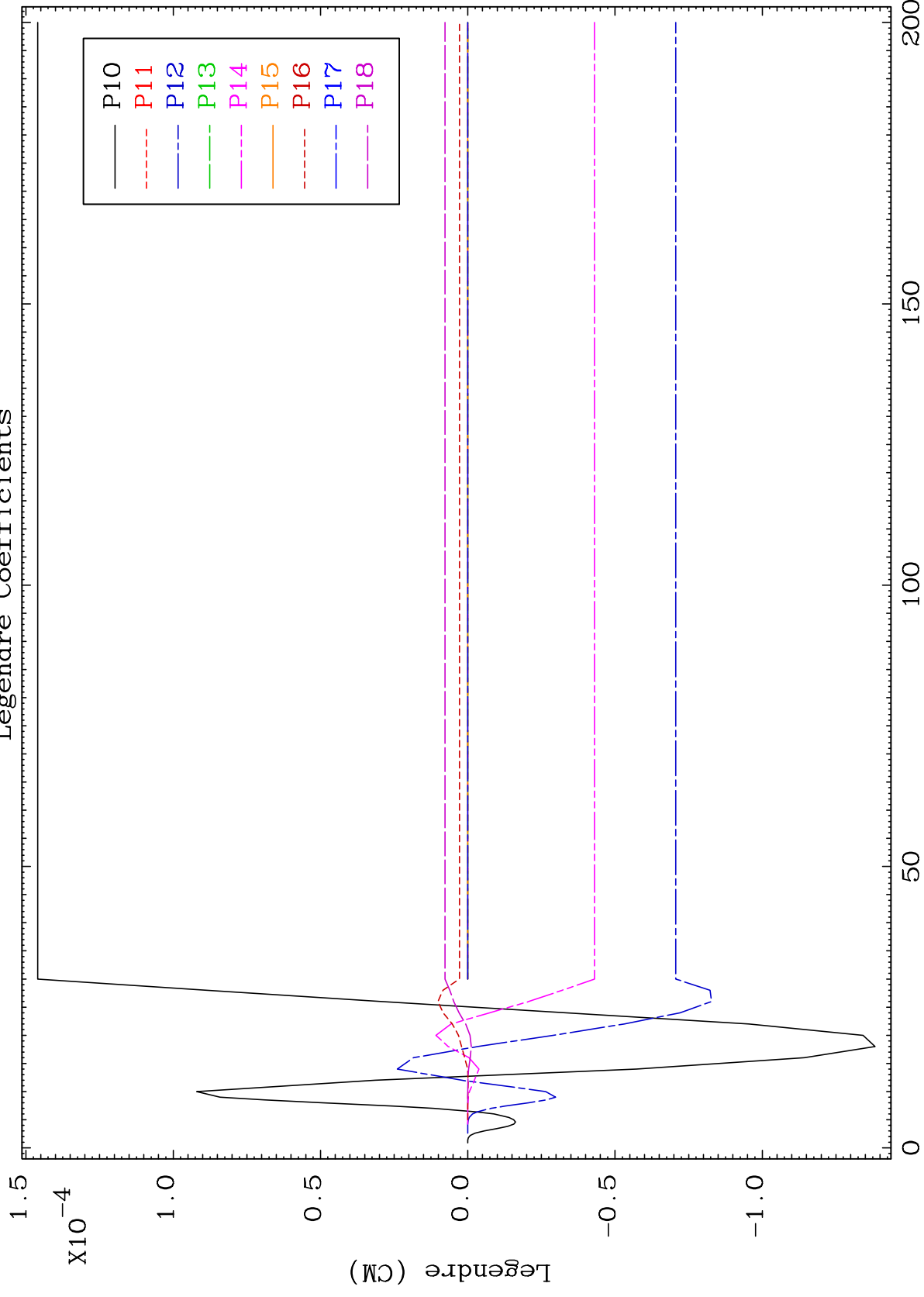
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



74

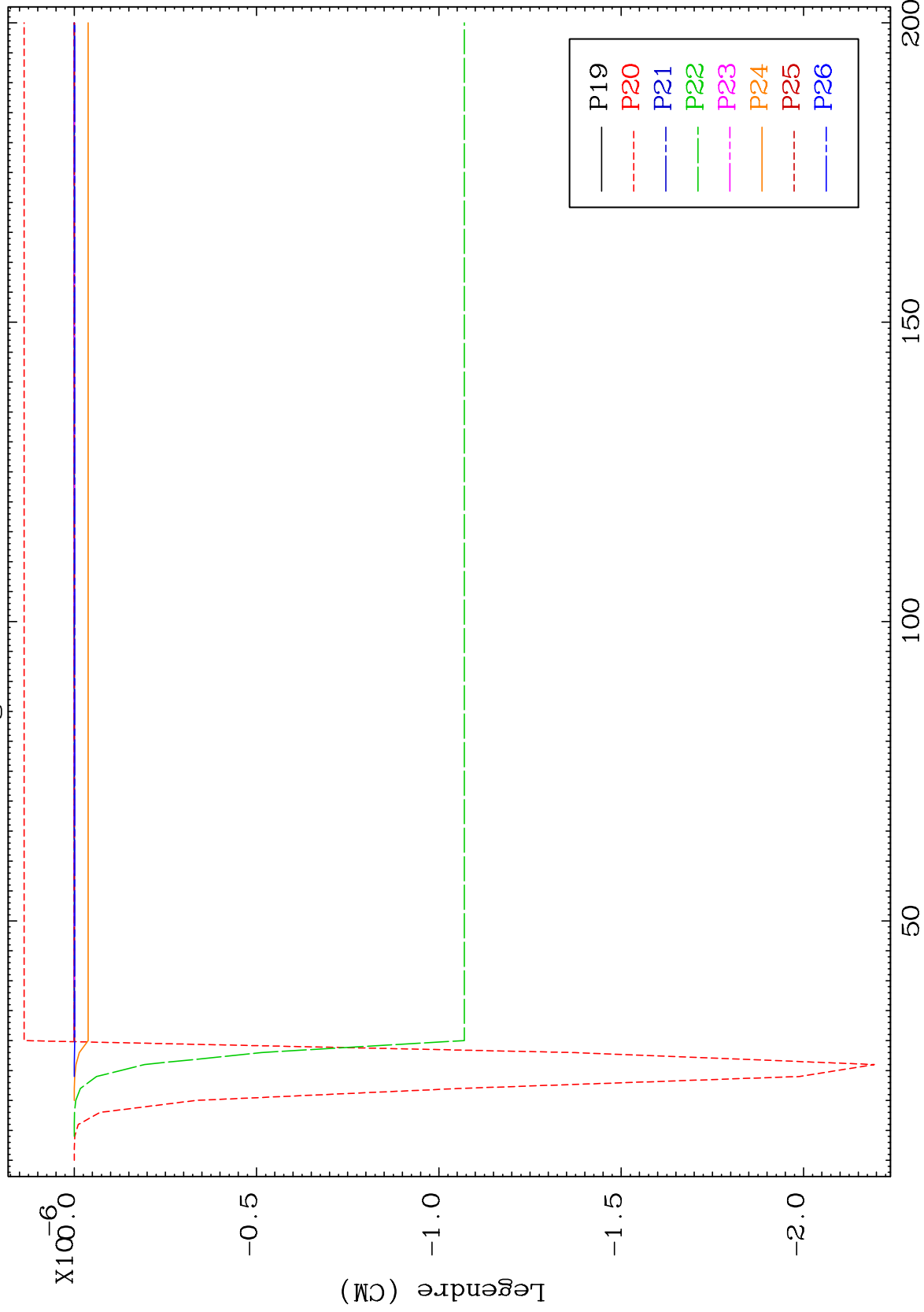
Incident Energy (MeV)

87-Fr-208

MAT 8713

87-Fr-208

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



75

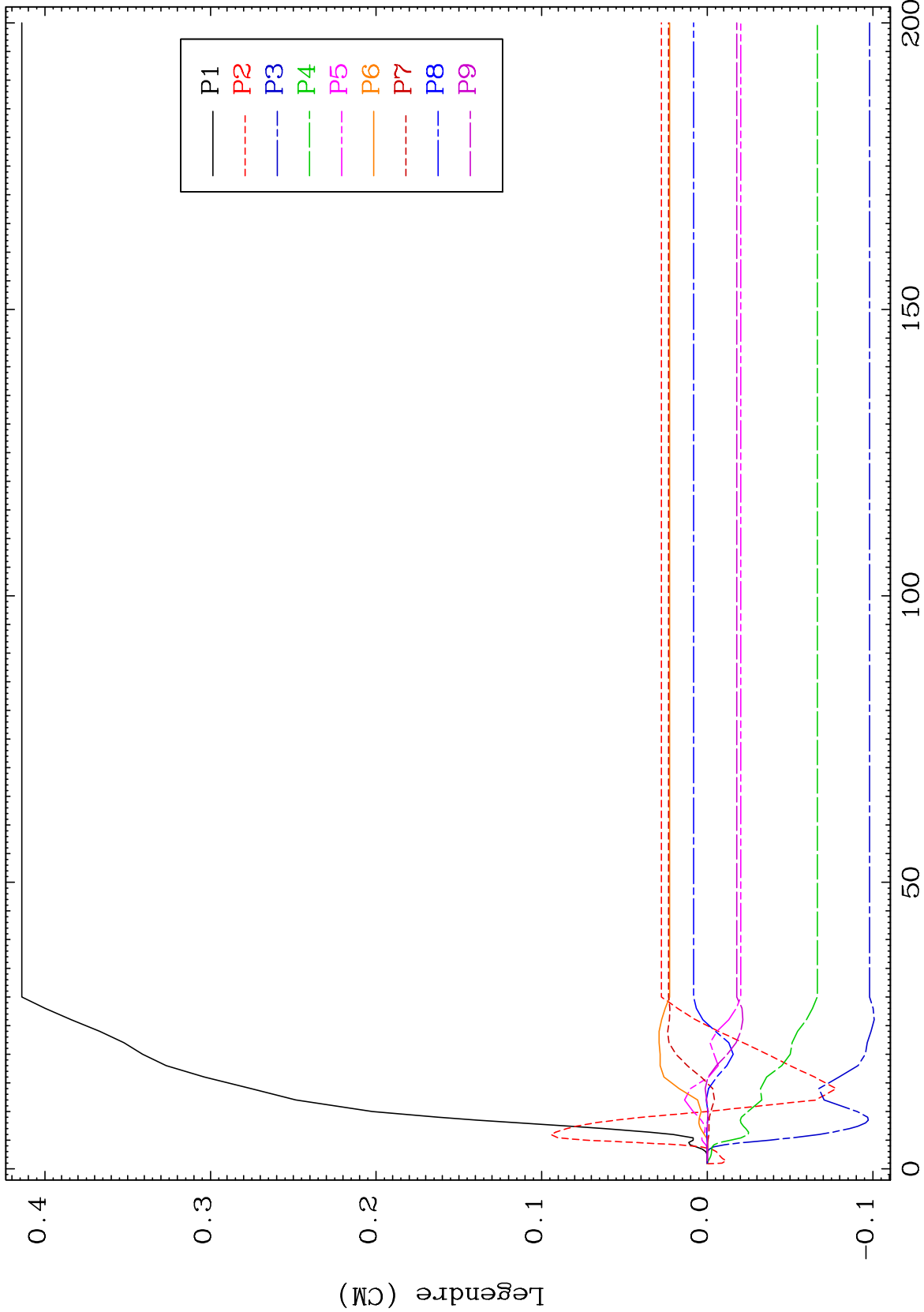
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



76

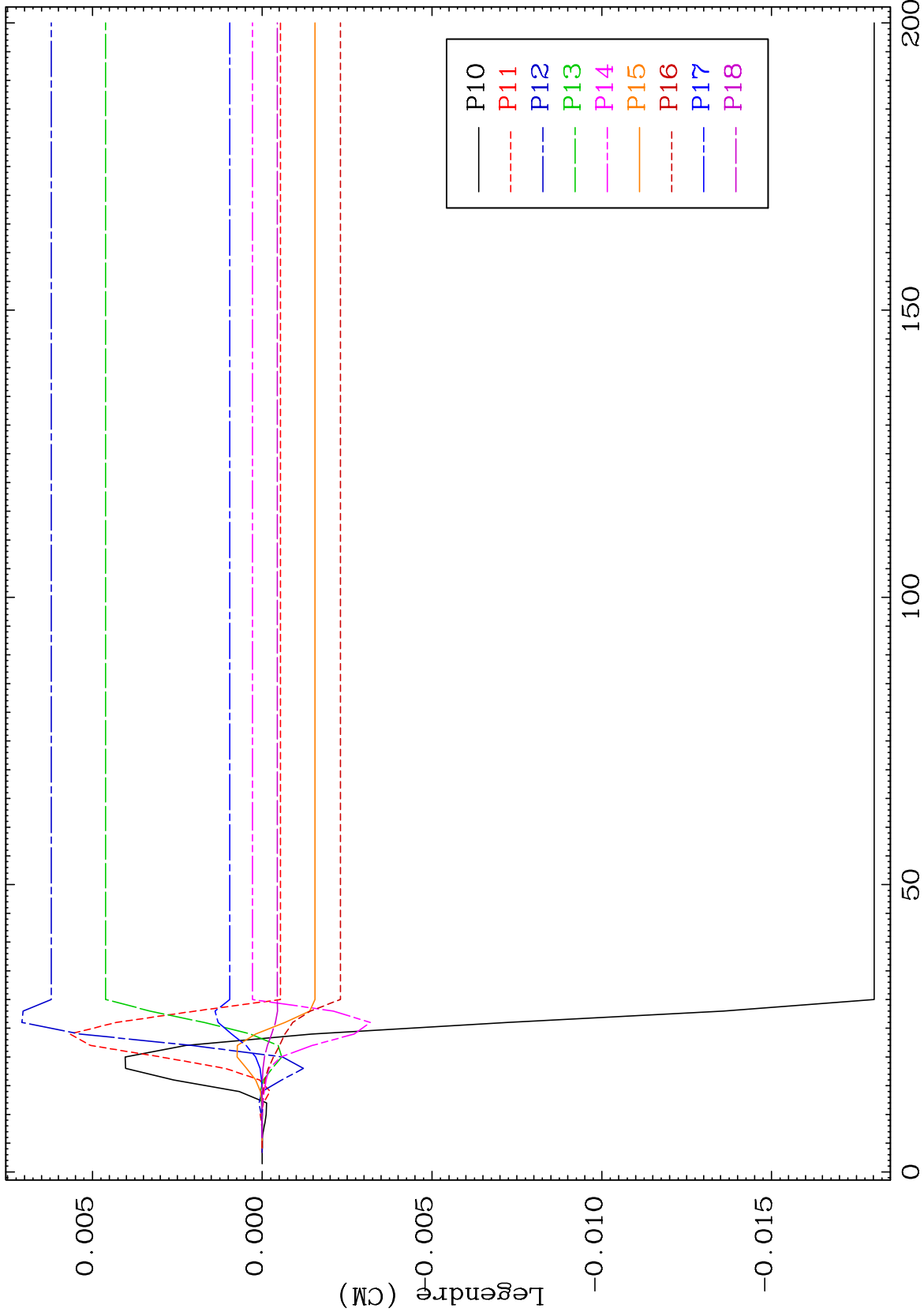
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



77

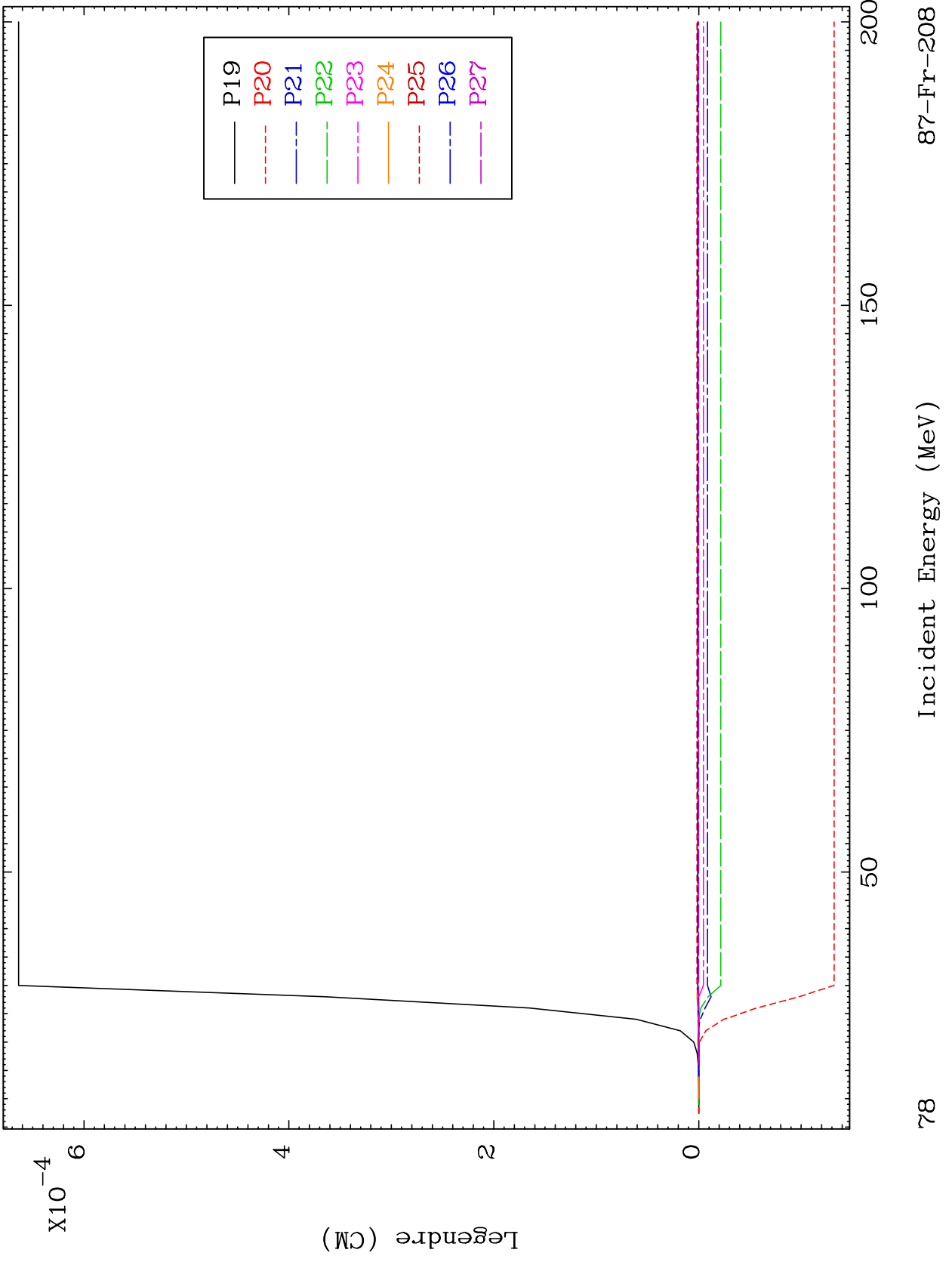
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



78

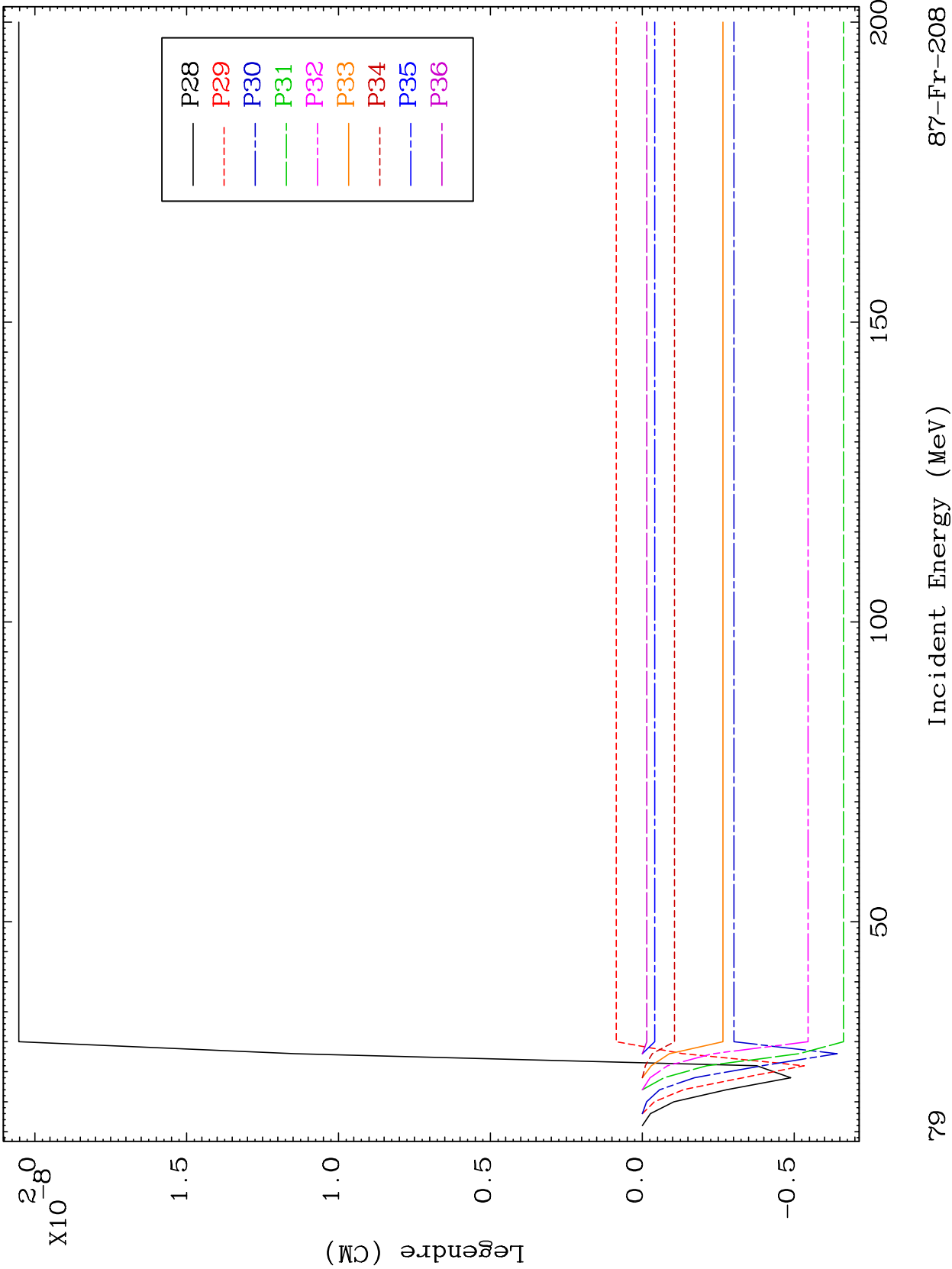
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



79

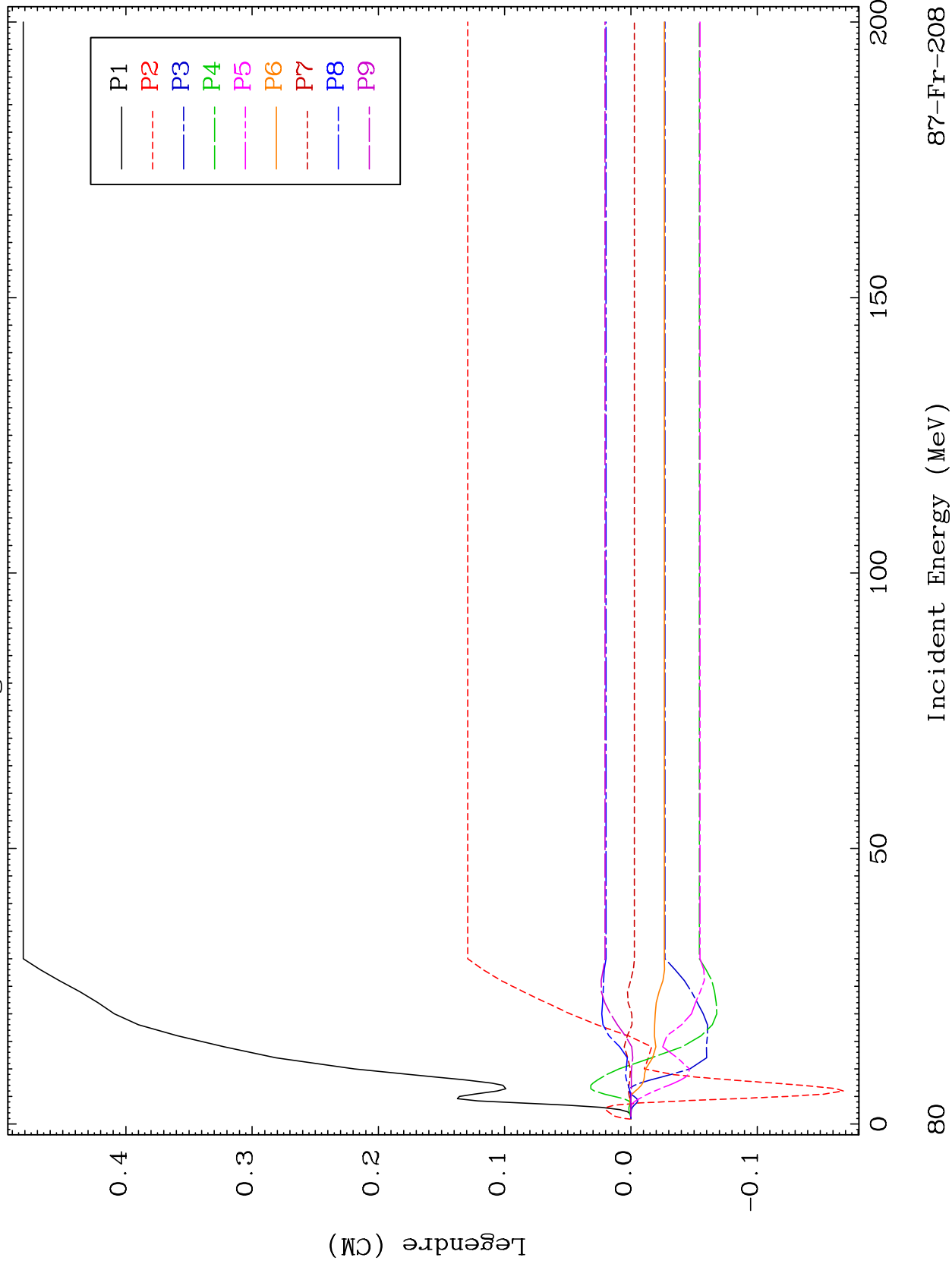
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



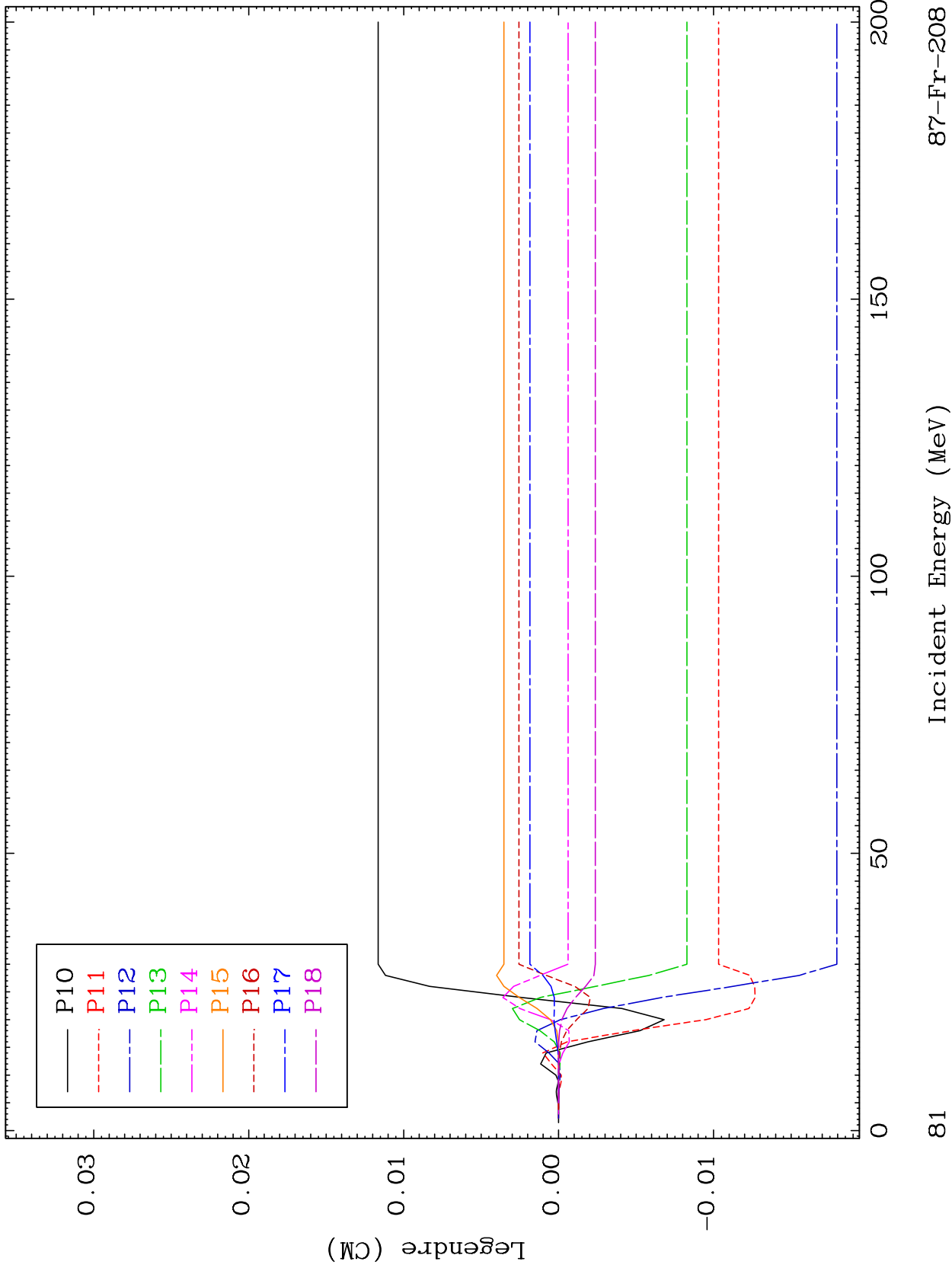
87-Fr-208

Incident Energy (MeV)

MAT 8713

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

87-Fr-208



81

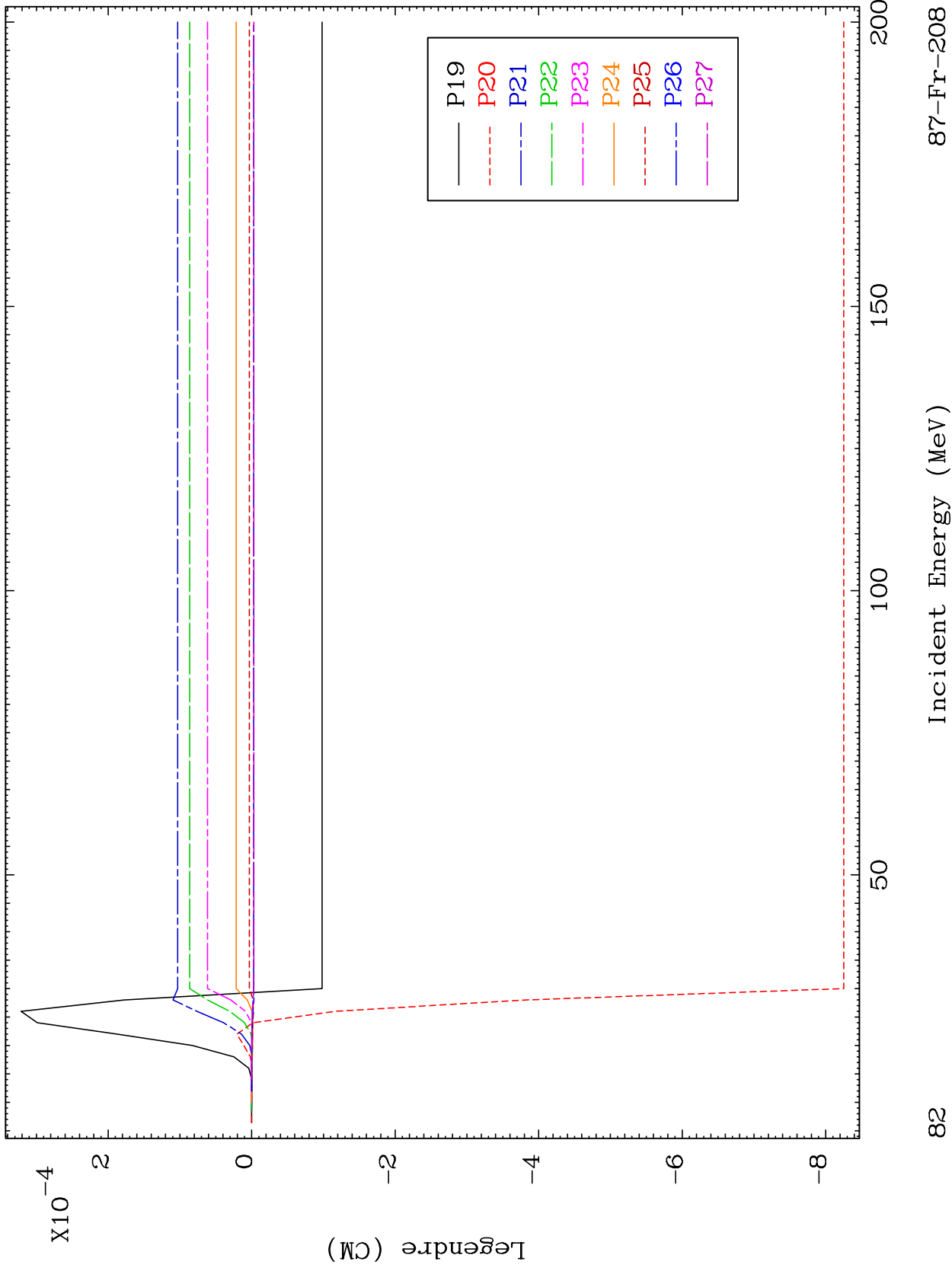
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



82

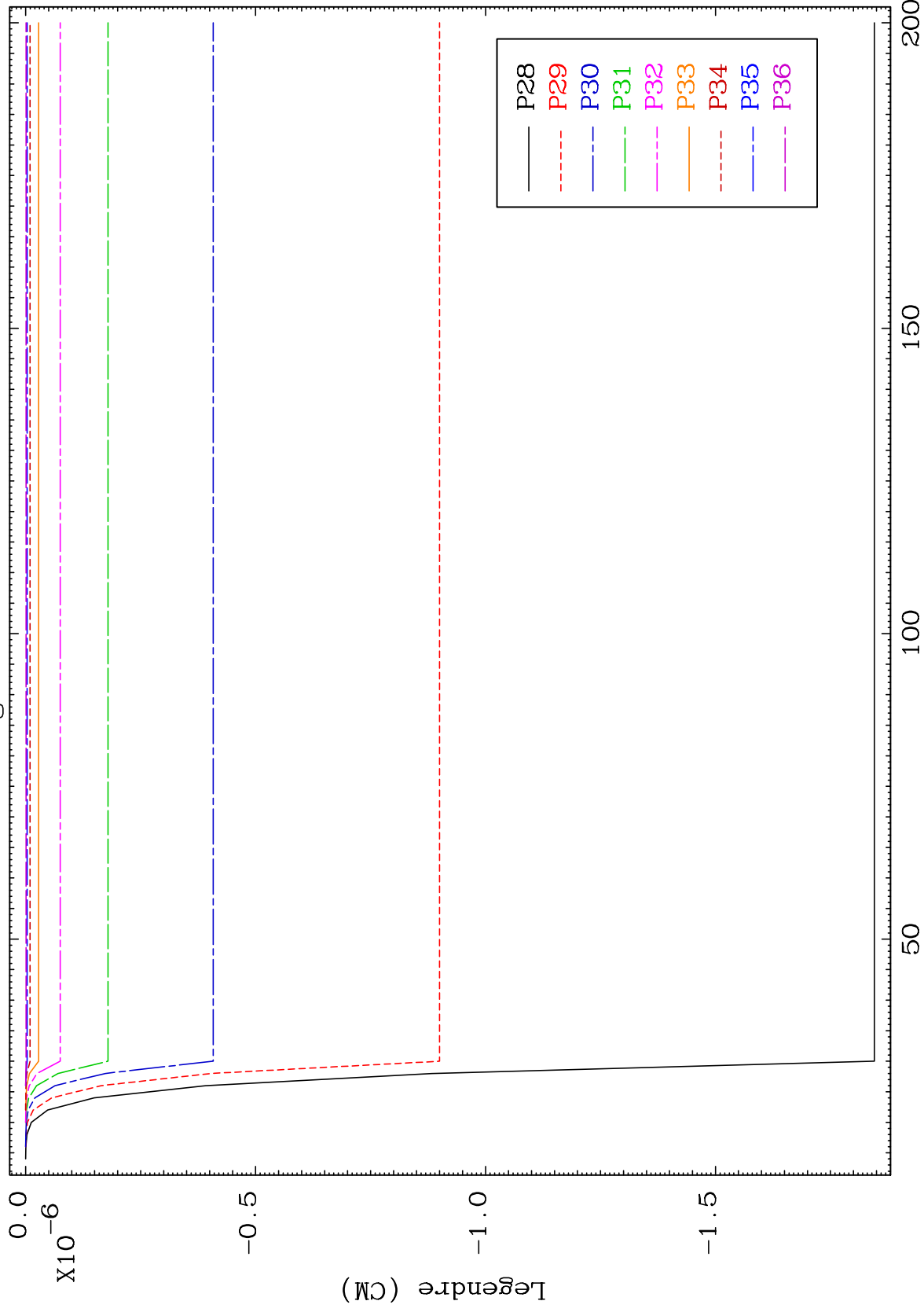
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



83

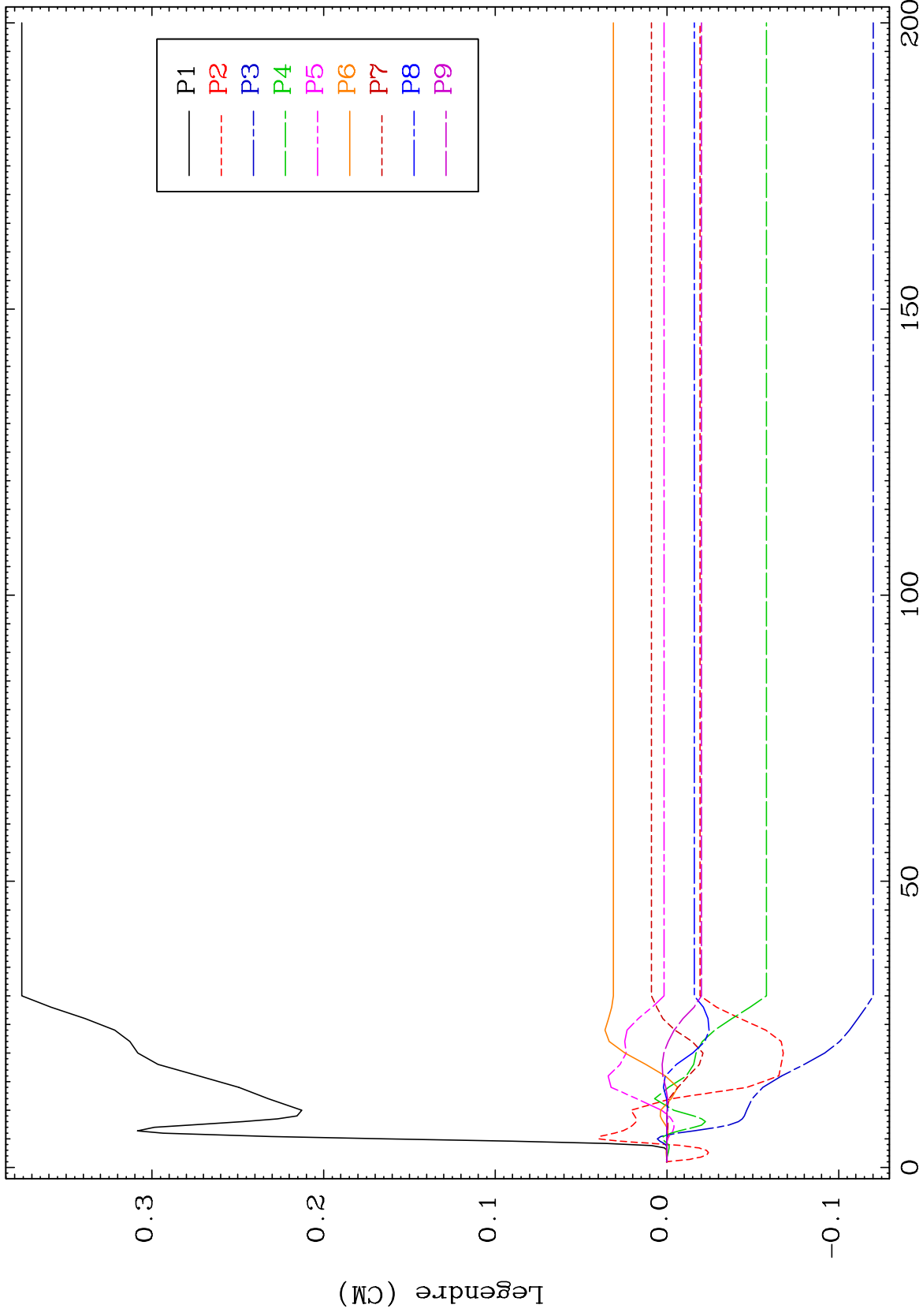
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



84

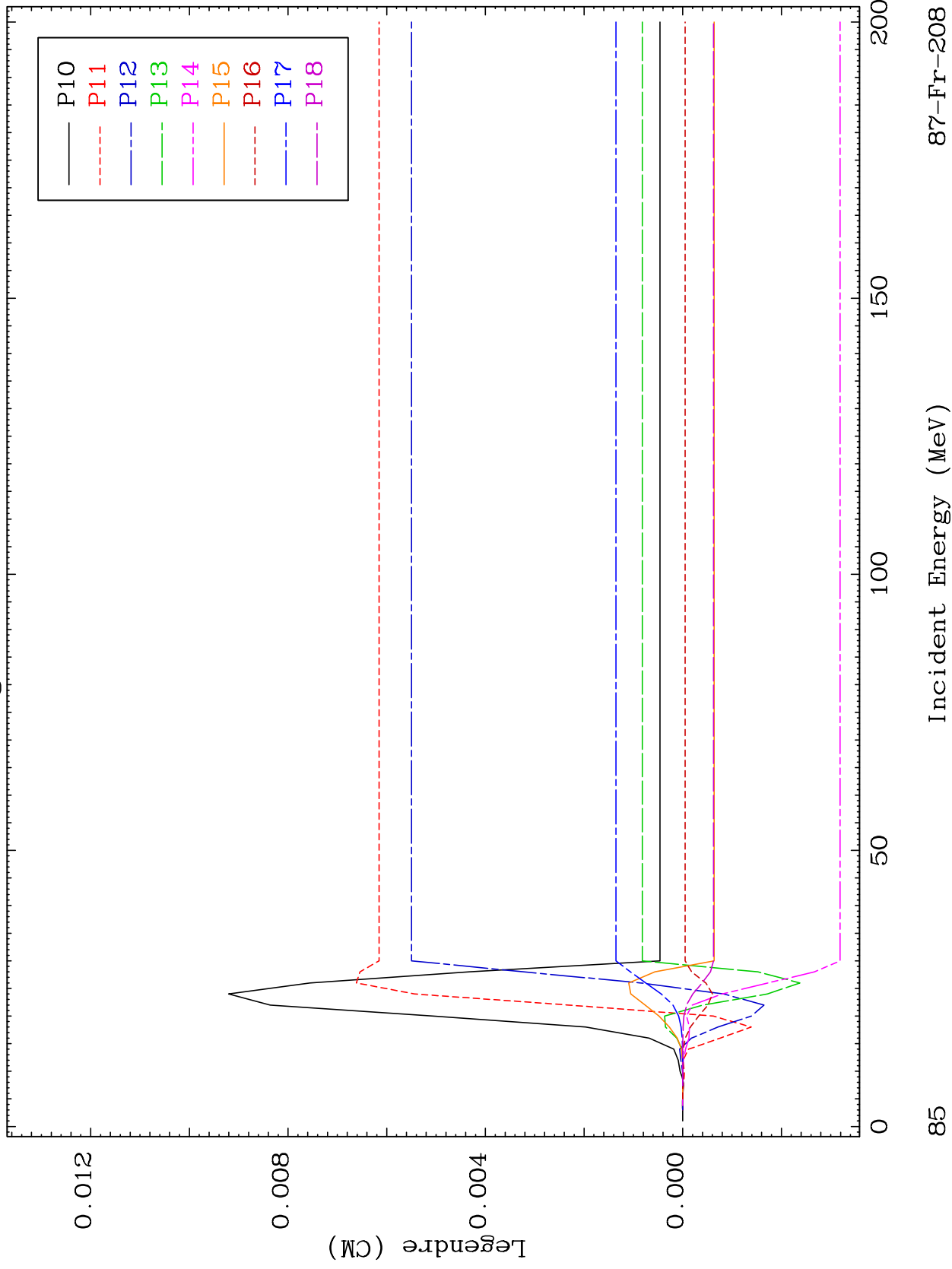
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

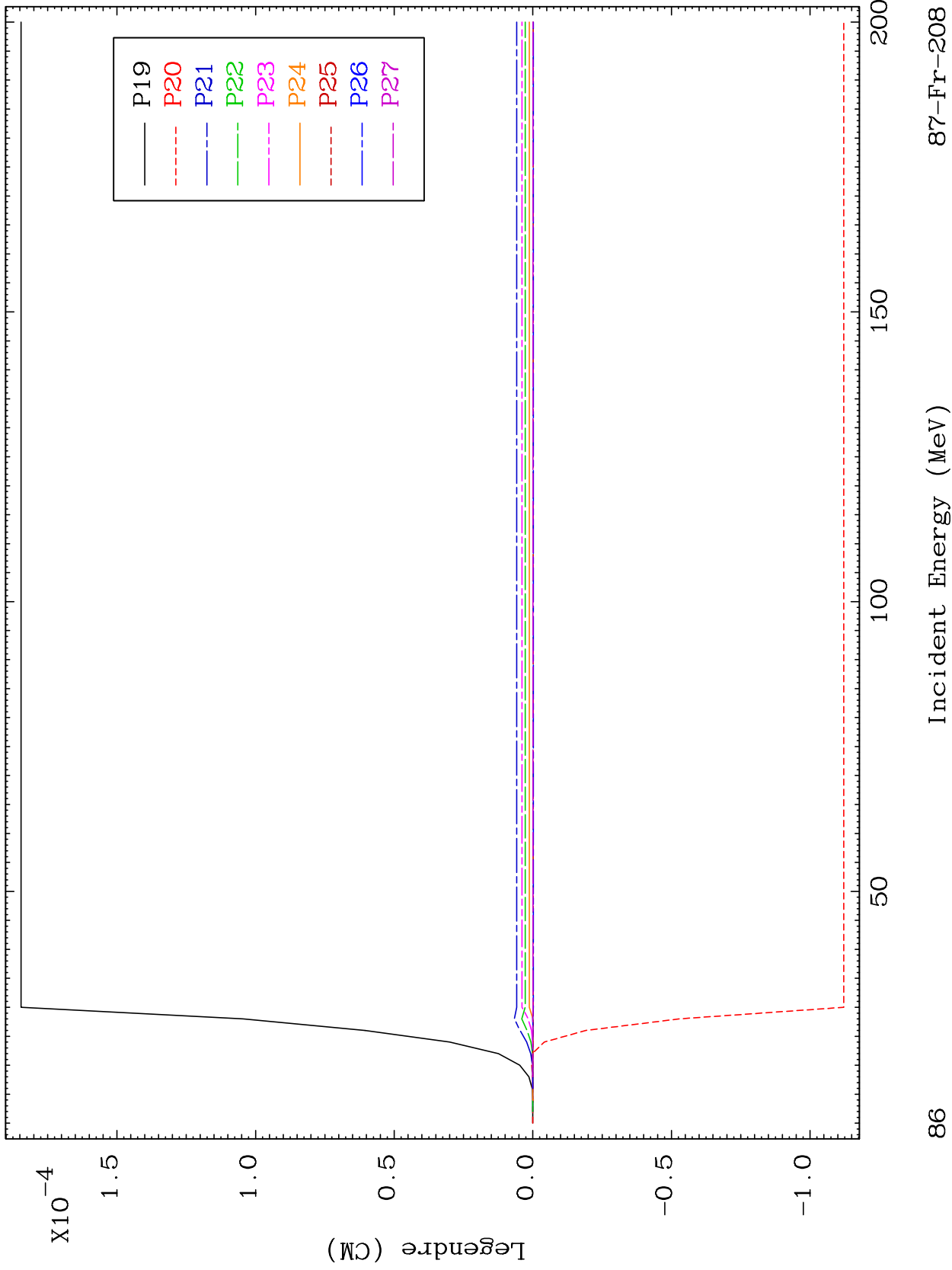
87-Fr-208



85

Incident Energy (MeV)

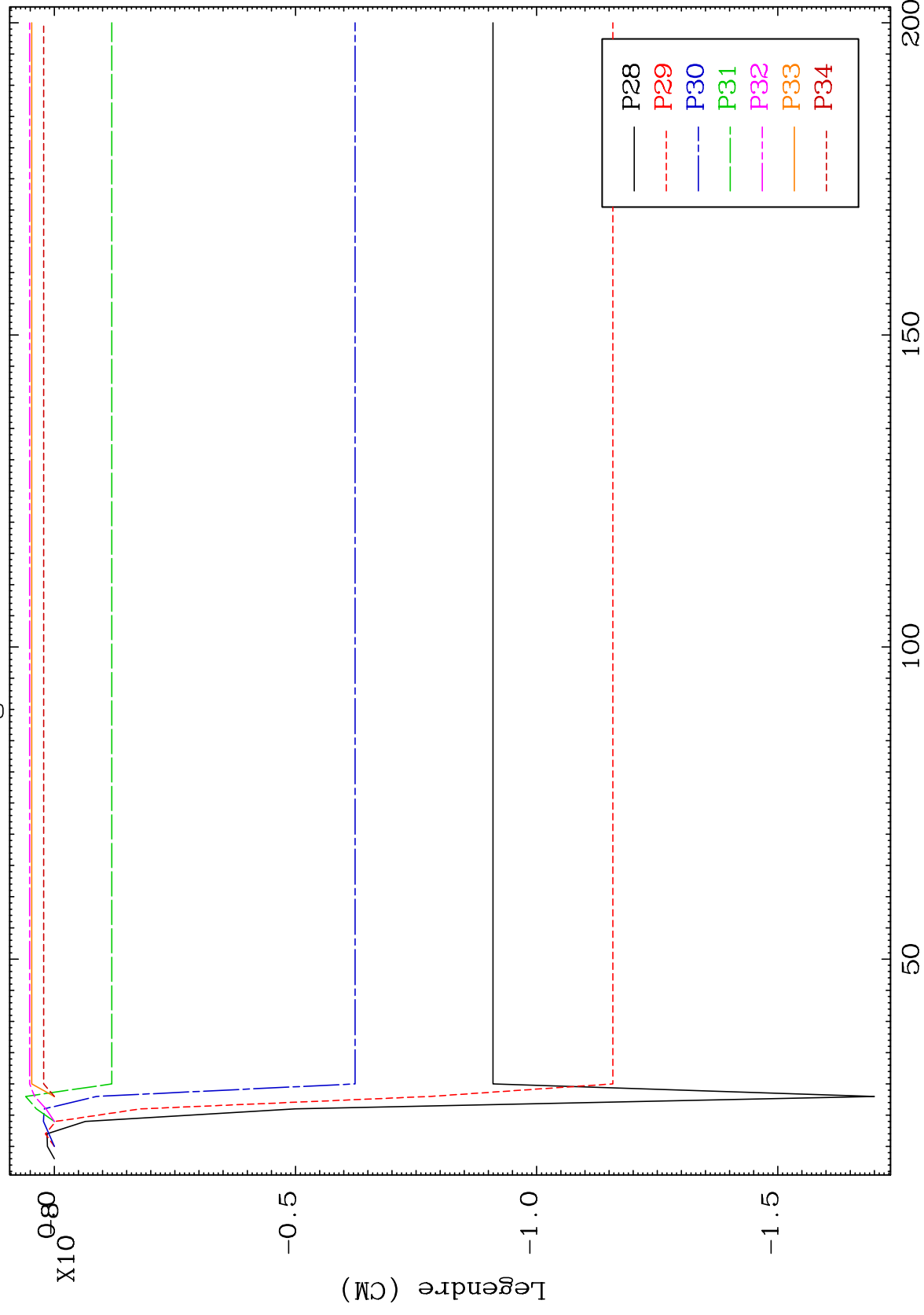
87-Fr-208



MAT 8713

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

87-Fr-208



87

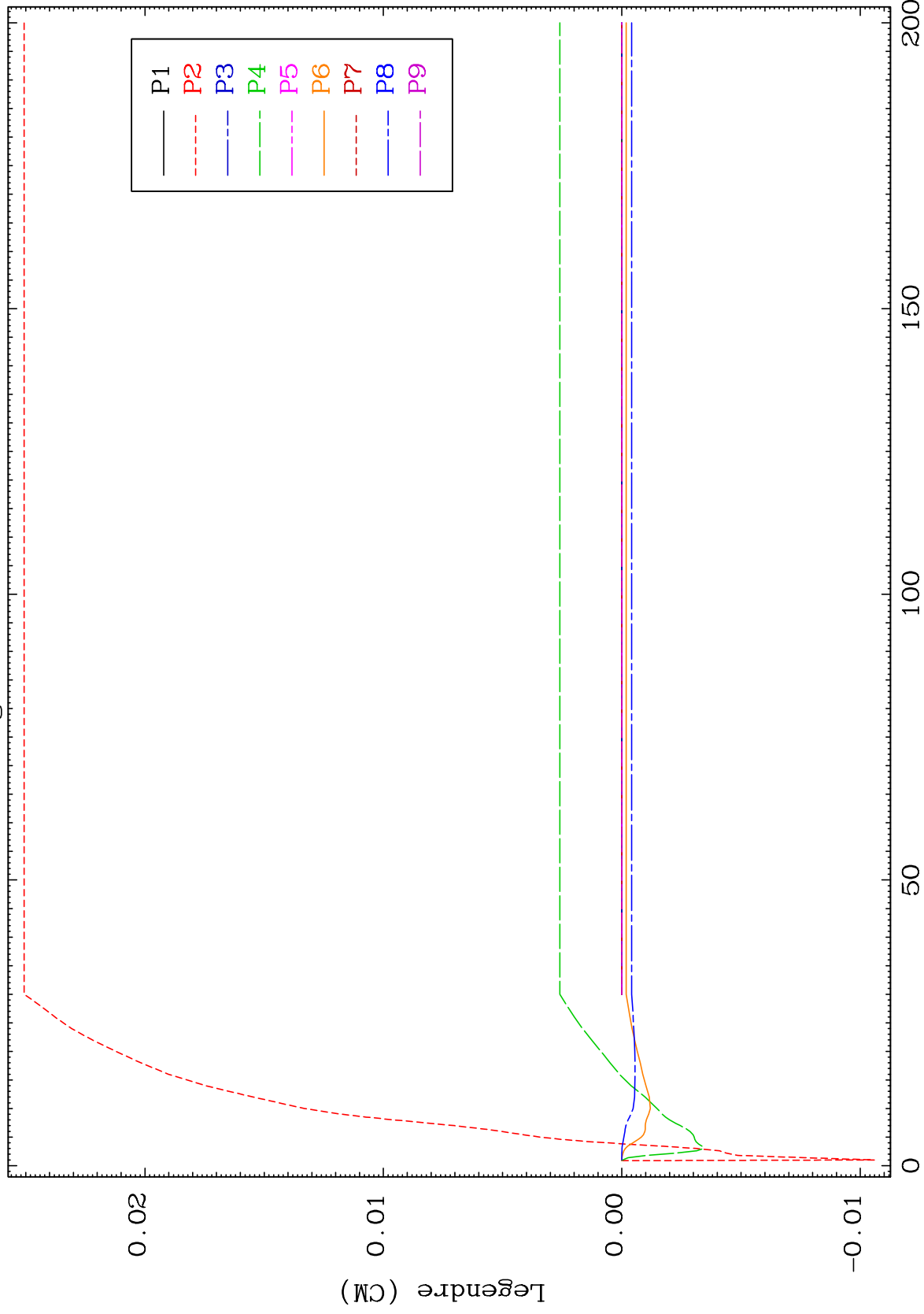
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



88

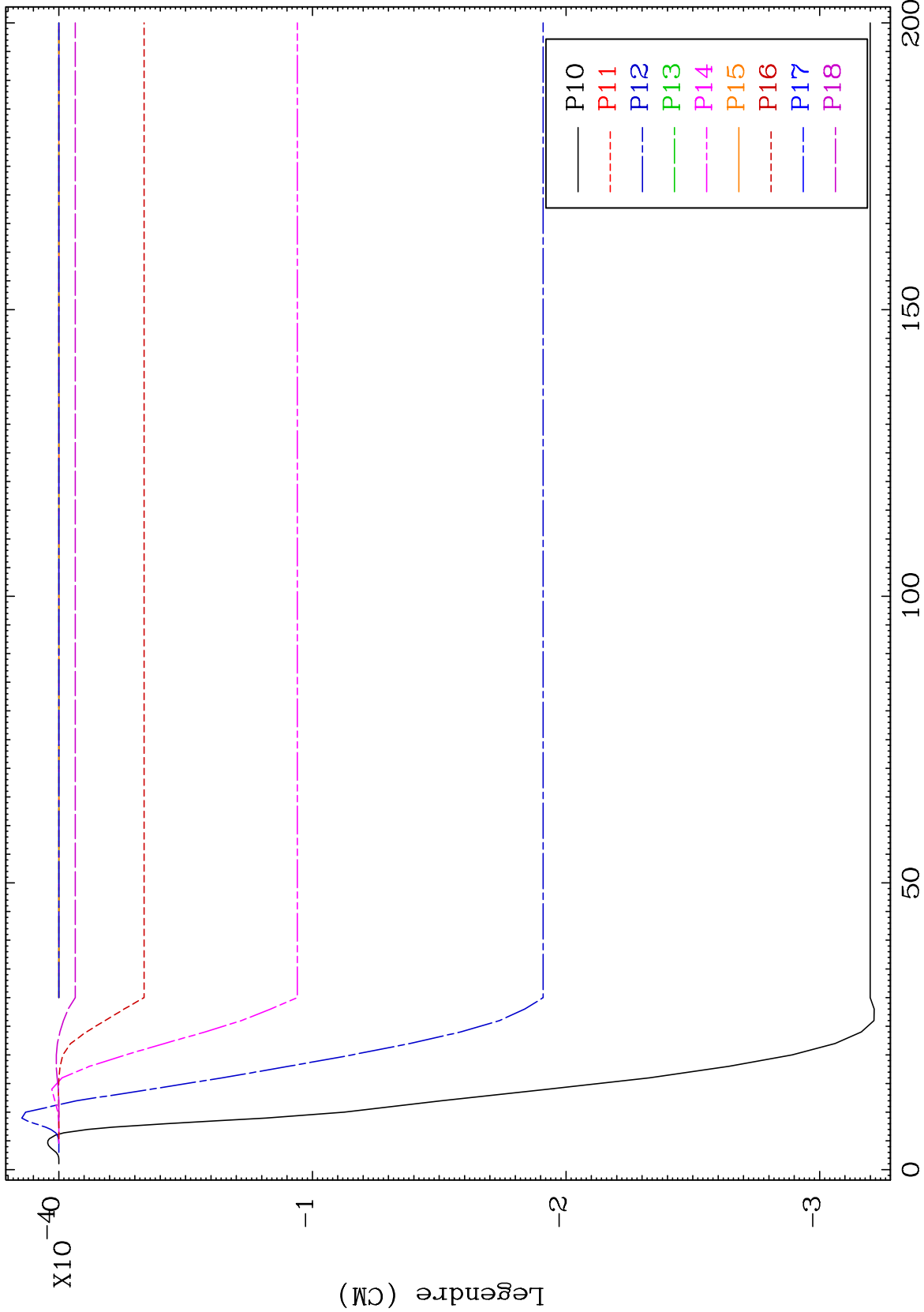
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



89

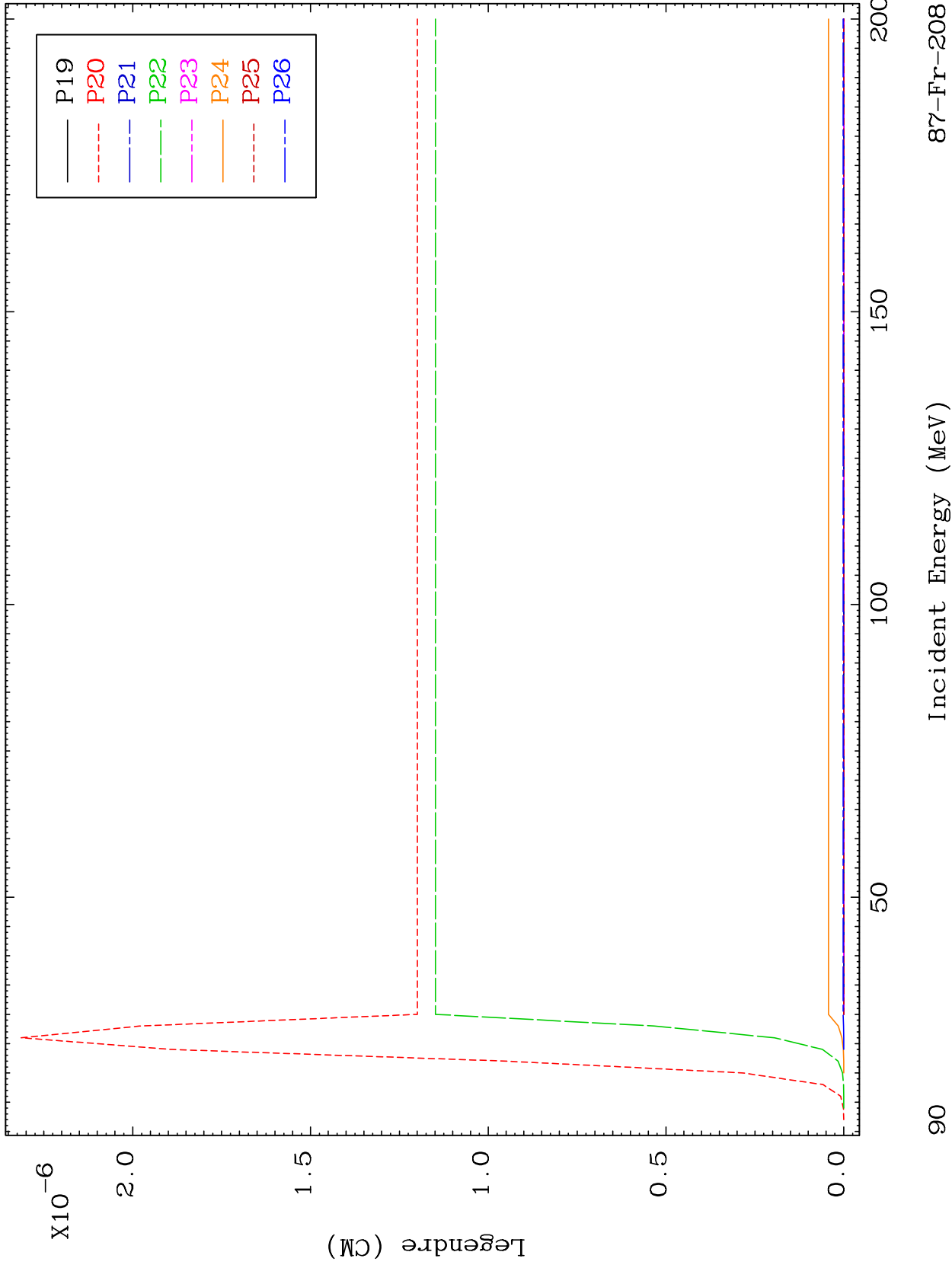
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

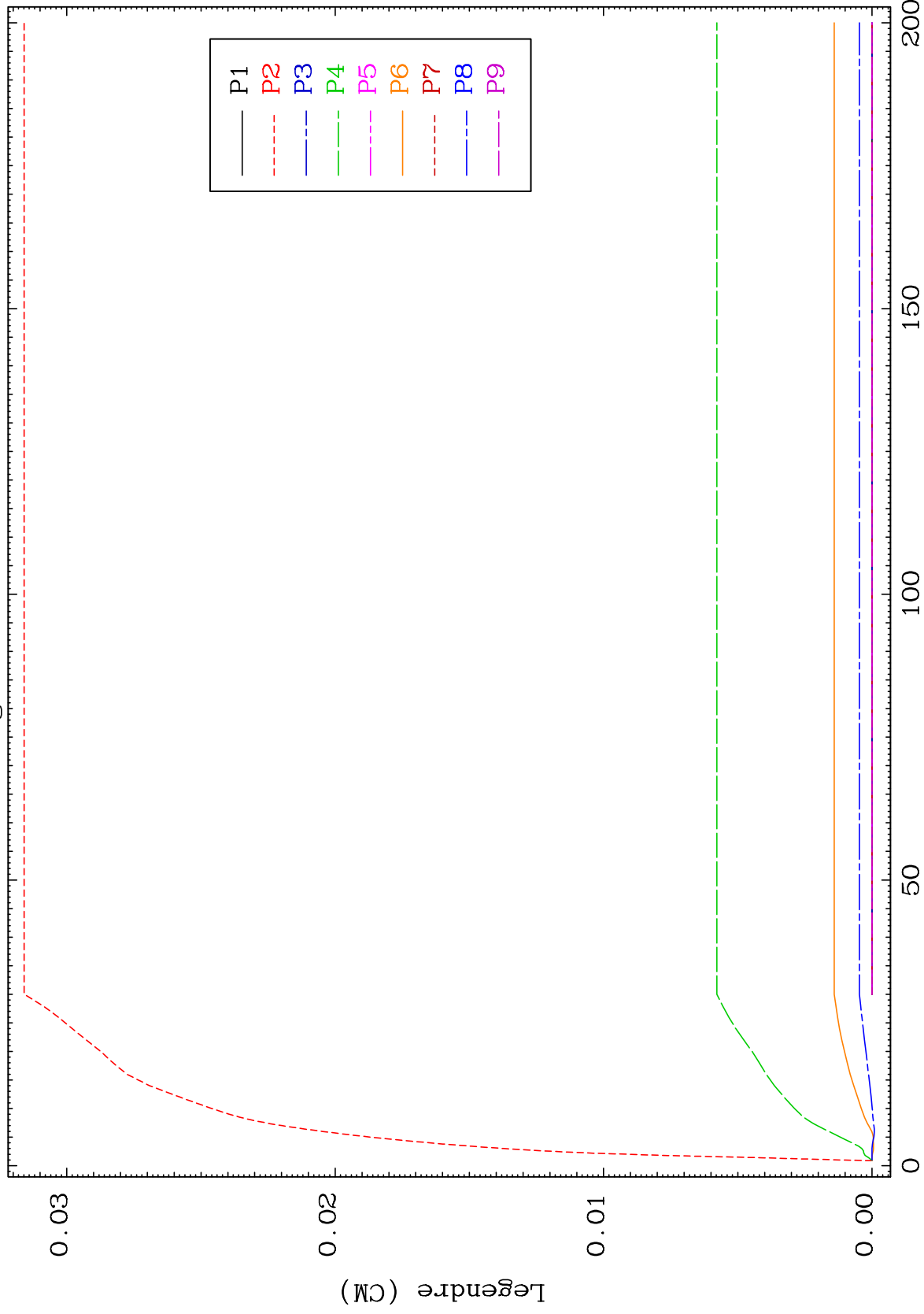
87-Fr-208



MAT 8713

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

87-Fr-208



91

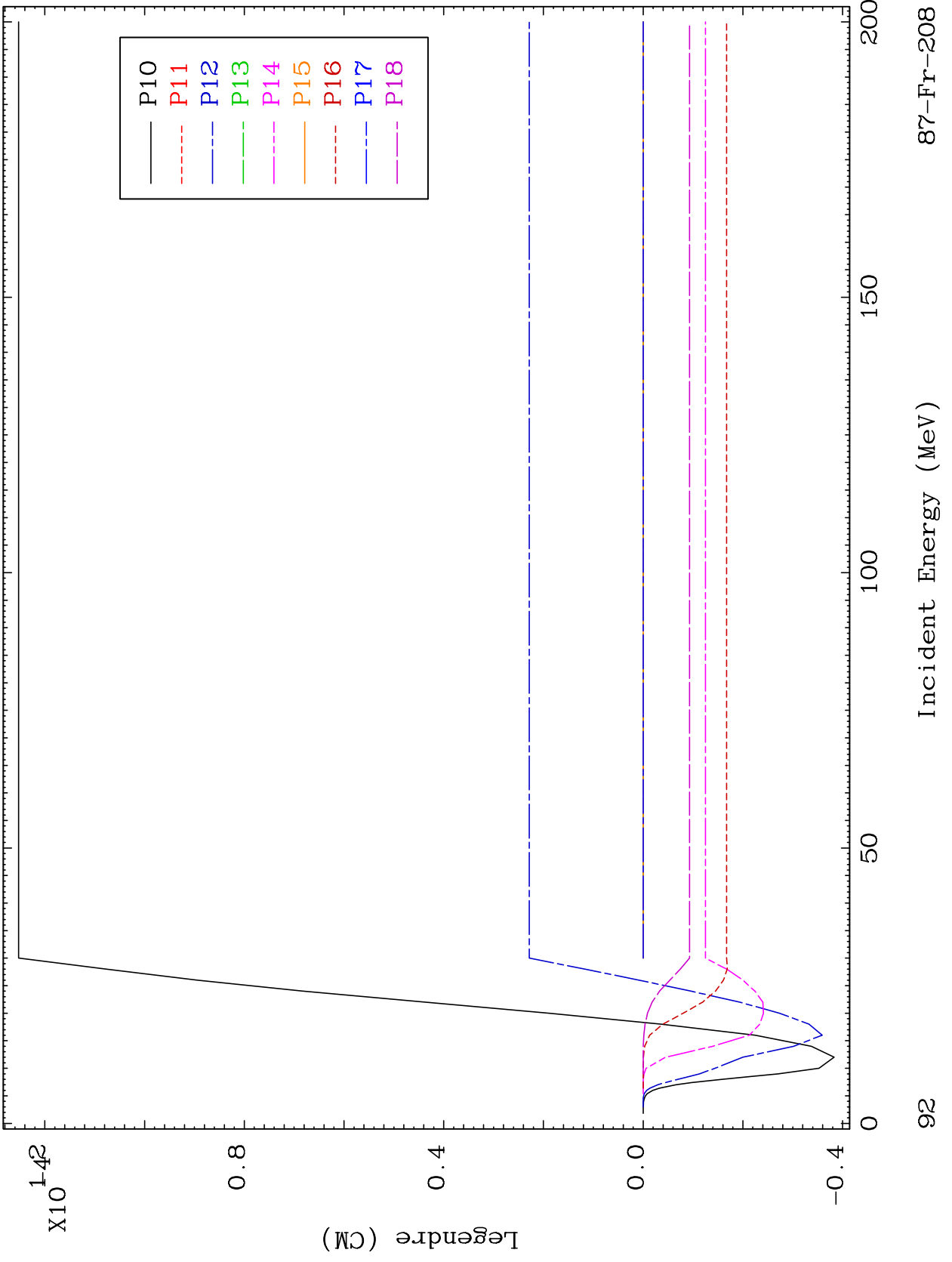
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



87-Fr-208

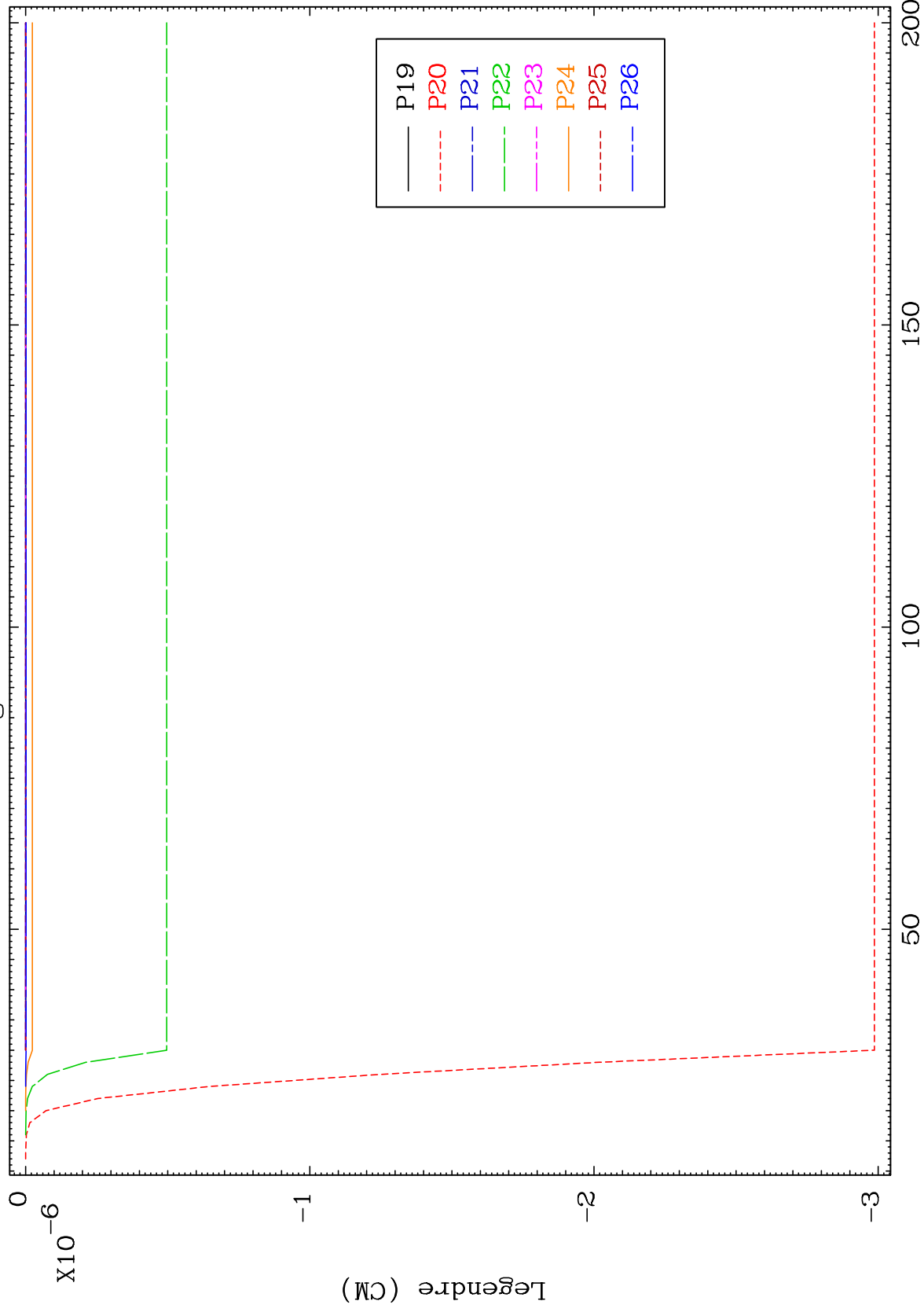
Incident Energy (MeV)

92

MAT 8713

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

87-Fr-208



93

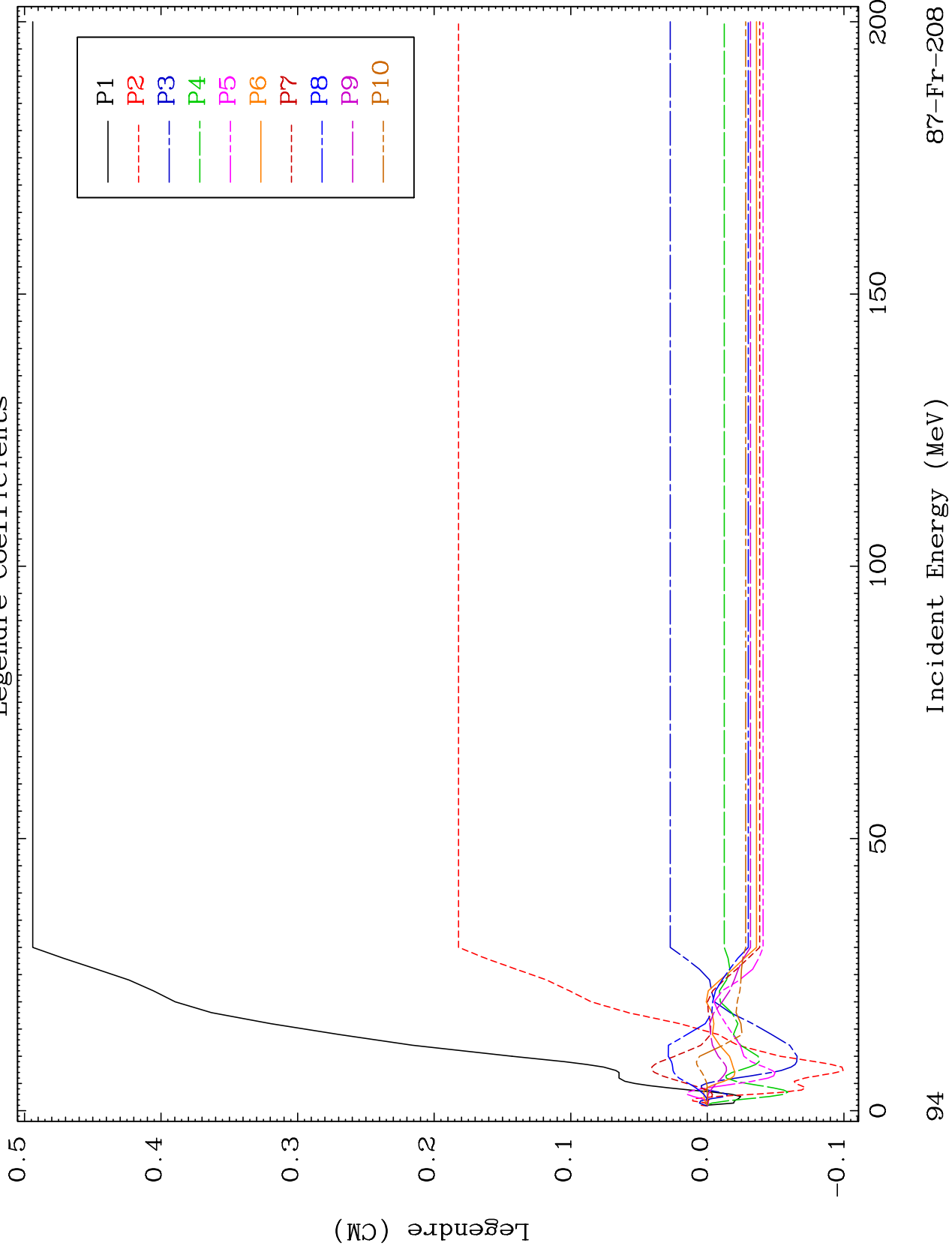
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



94

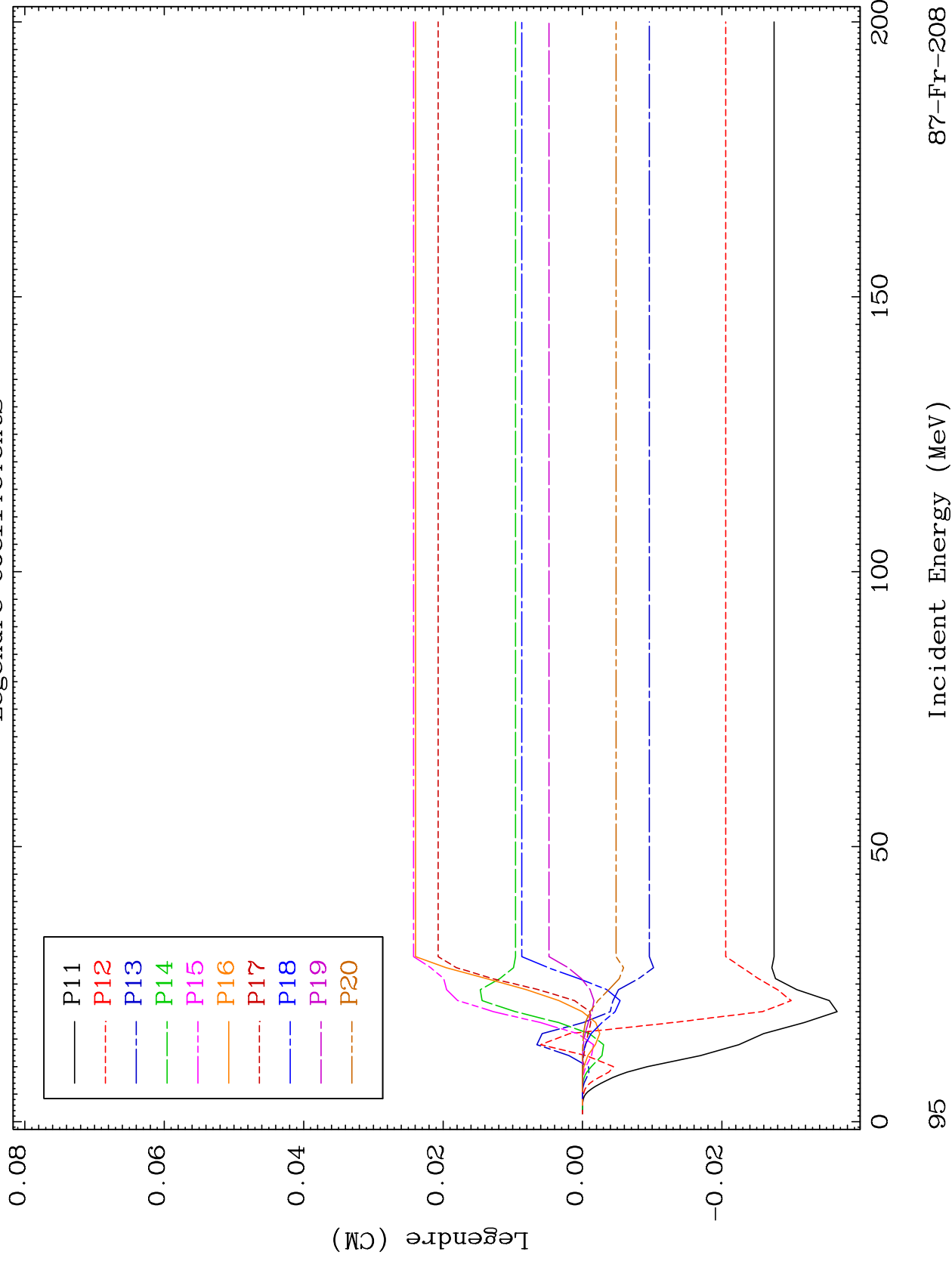
Incident Energy (MeV)

87-Fr-208

MAT 8713

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

87-Fr-208



87-Fr-208

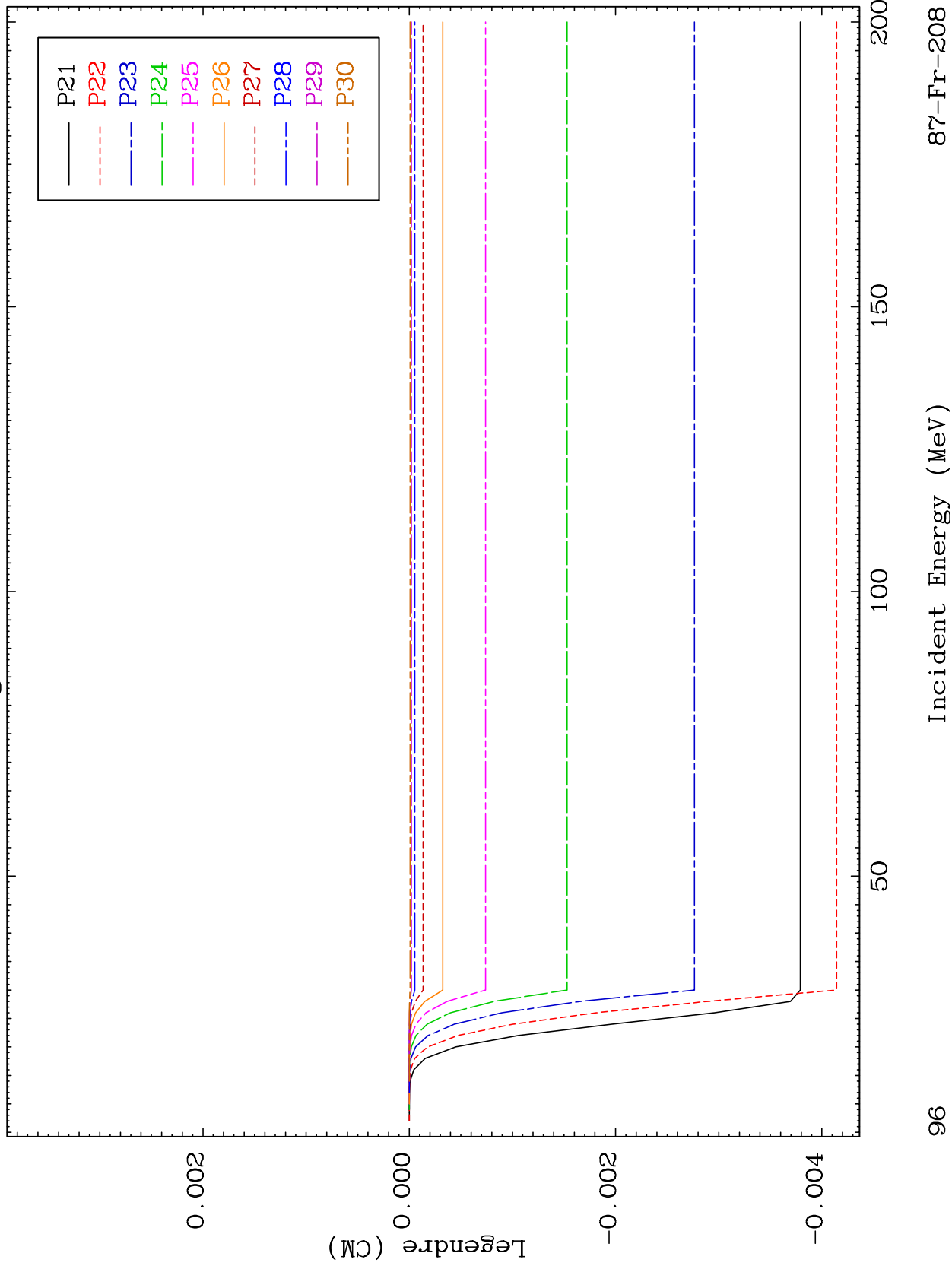
Incident Energy (MeV)

95

MAT 8713

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

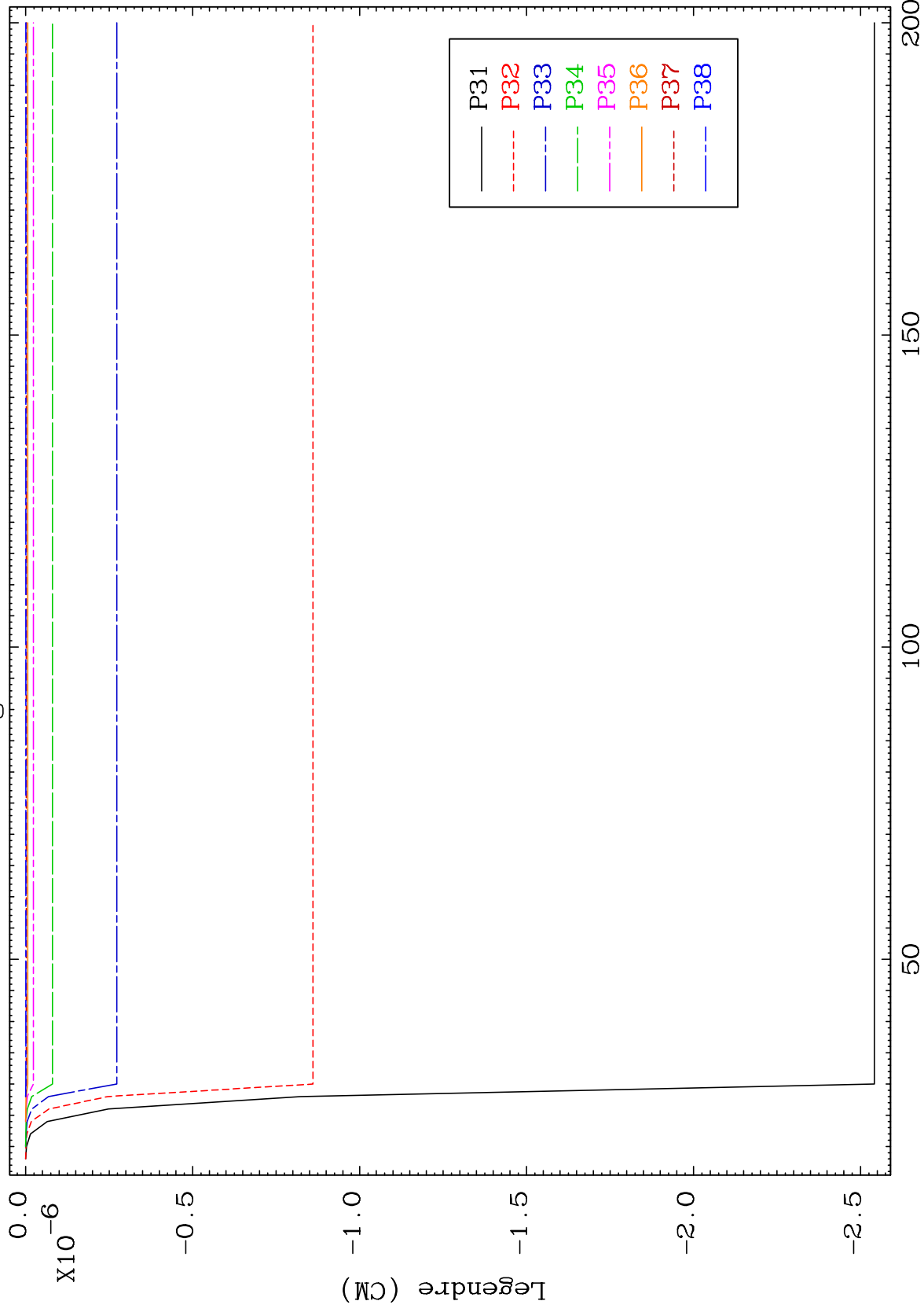
87-Fr-208



MAT 8713

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

87-Fr-208

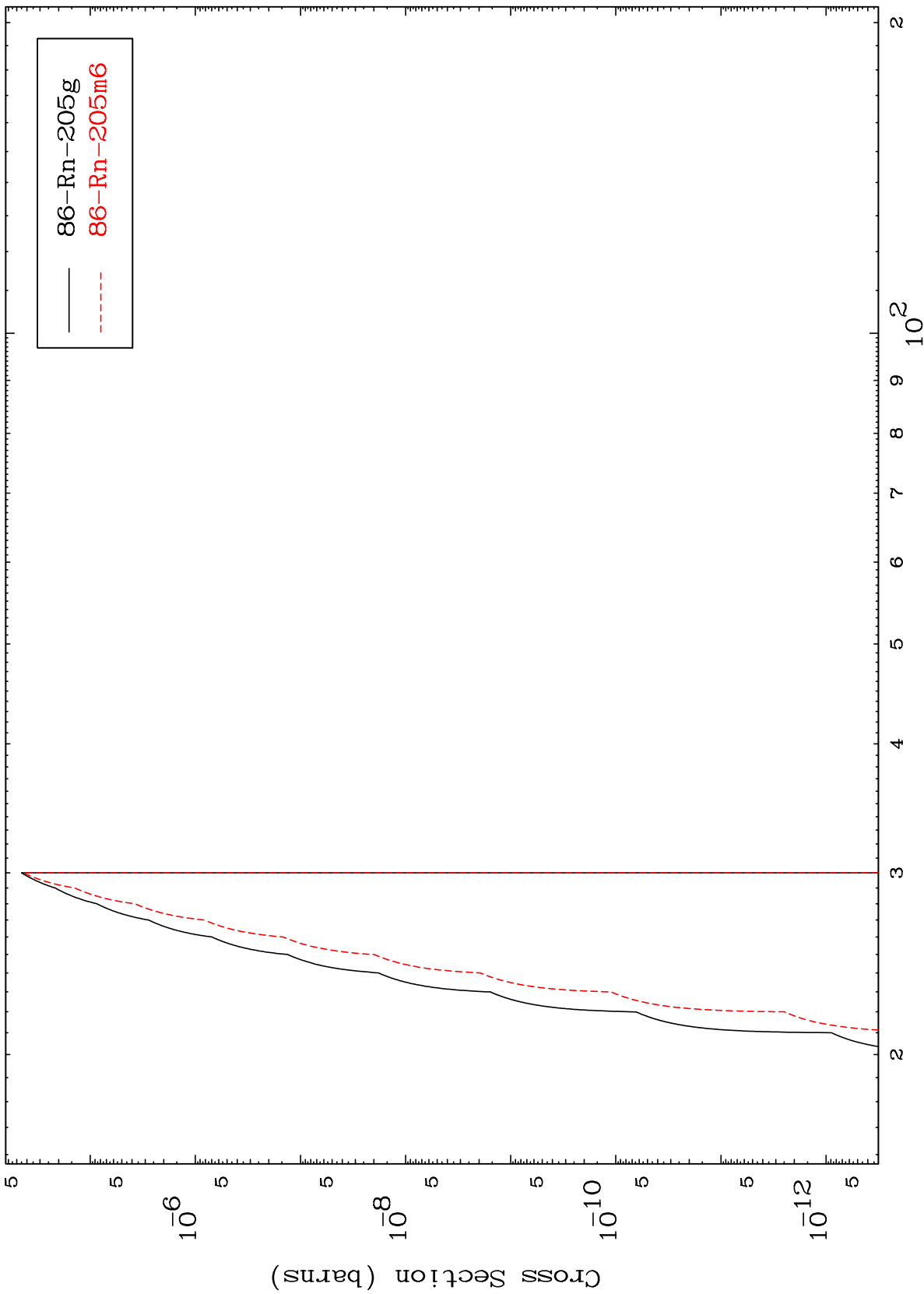


97

Incident Energy (MeV)

87-Fr-208

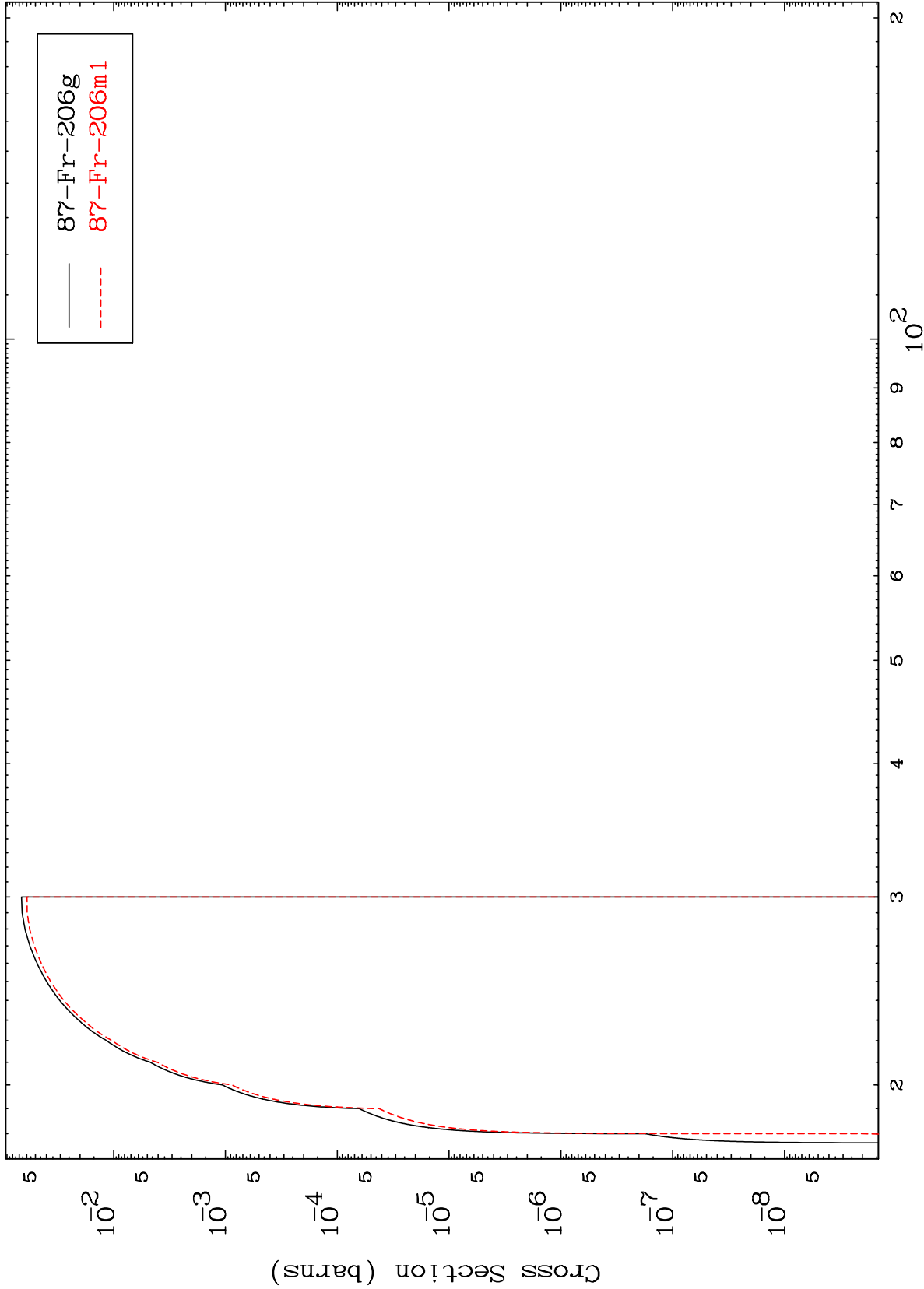
Radionuclide Production Cross Section



MAT 8713

87-Fr-208

(n,3n)
Radionuclide Production Cross Section



99

Incident Energy (MeV)

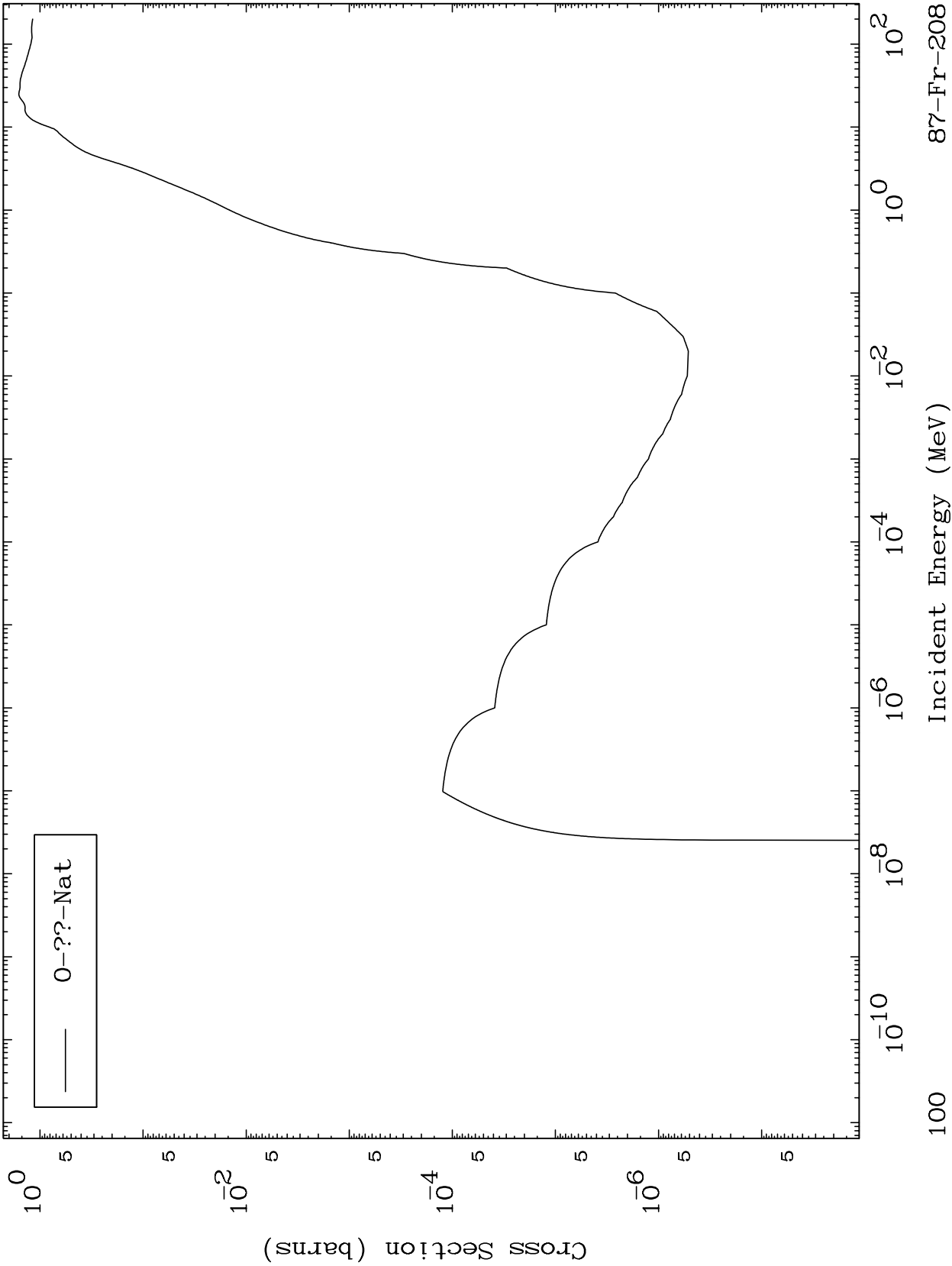
87-Fr-208

MAT 8713

Fission

87-Fr-208

Radionuclide Production Cross Section



100

Incident Energy (MeV)

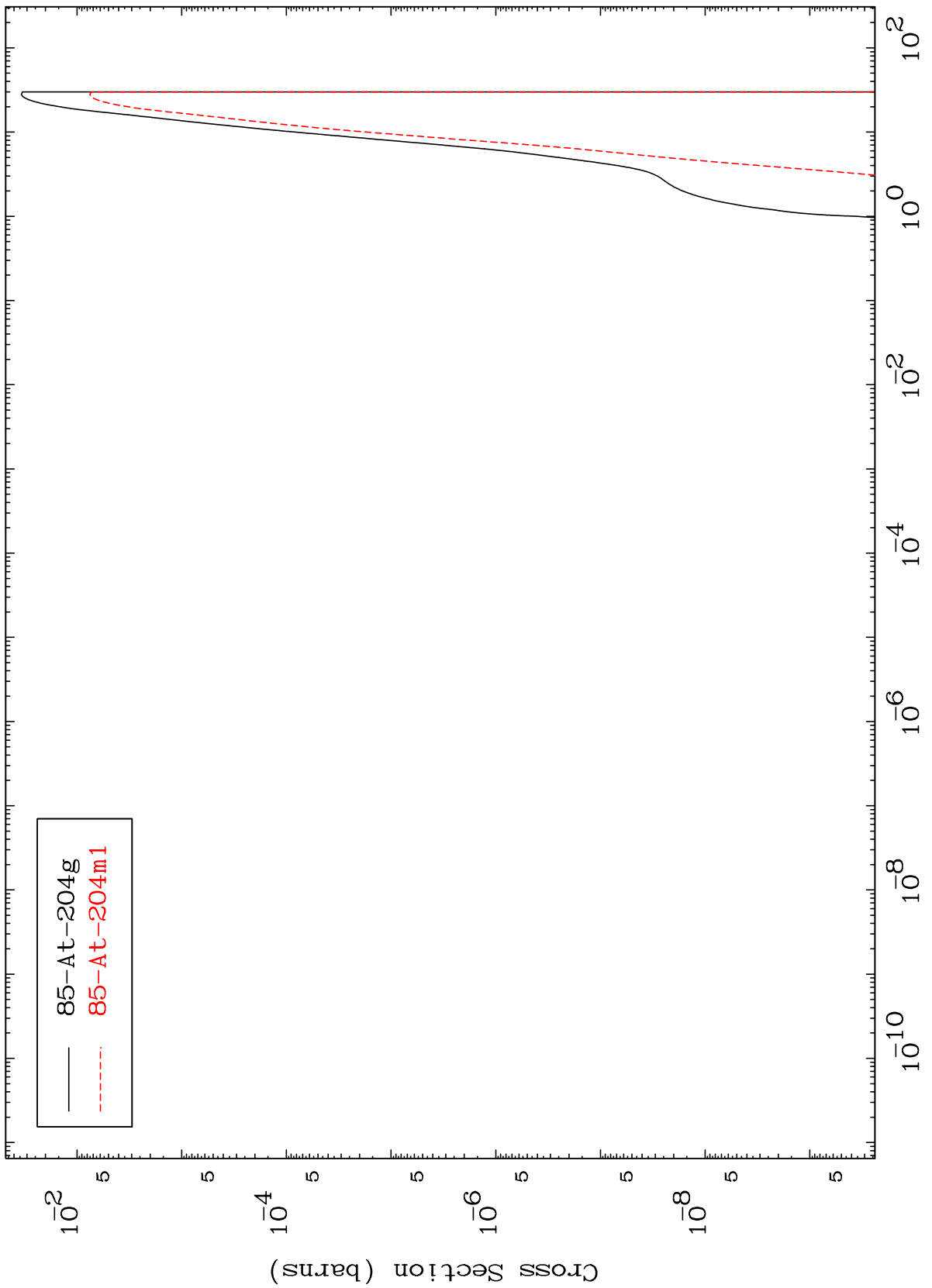
87-Fr-208

MAT 8713

$(n, n') \alpha$

87-Fr-208

Radionuclide Production Cross Section



101

Incident Energy (MeV)

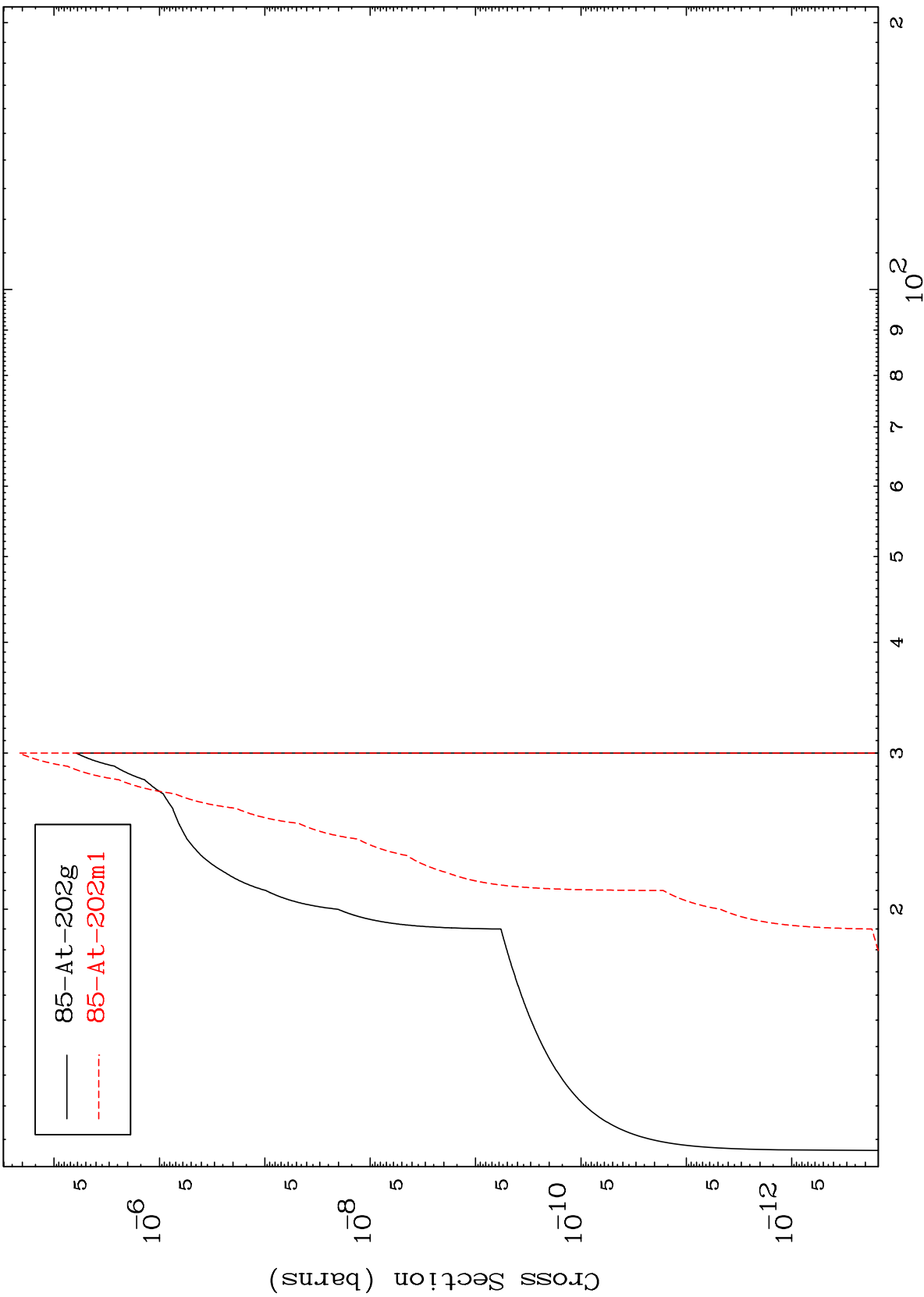
87-Fr-208

MAT 8713

(n,3n) α

87-Fr-208

Radionuclide Production Cross Section



102

Incident Energy (MeV)

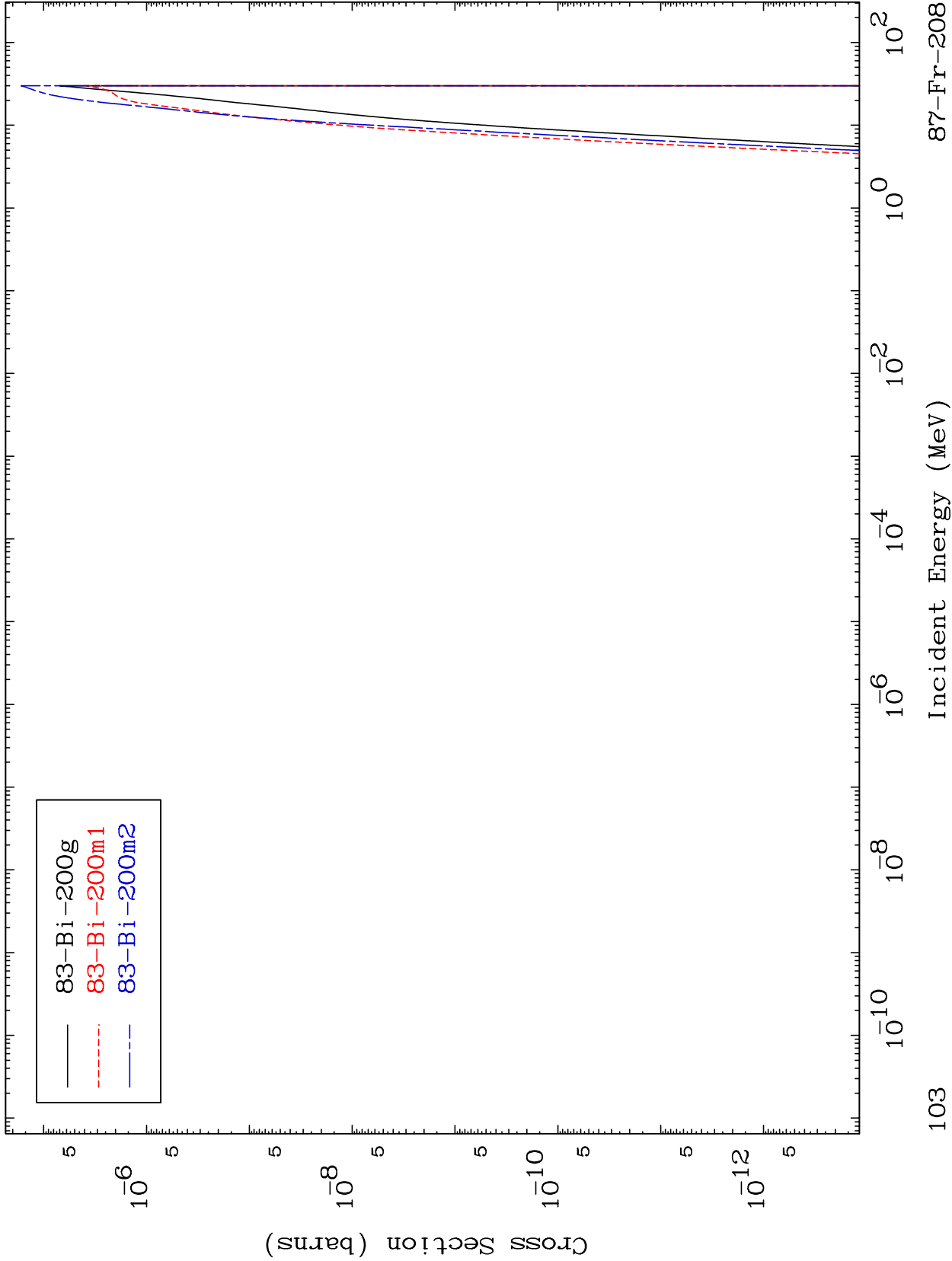
87-Fr-208

MAT 8713

(n,n') 2 α

87-Fr-208

Radionuclide Production Cross Section

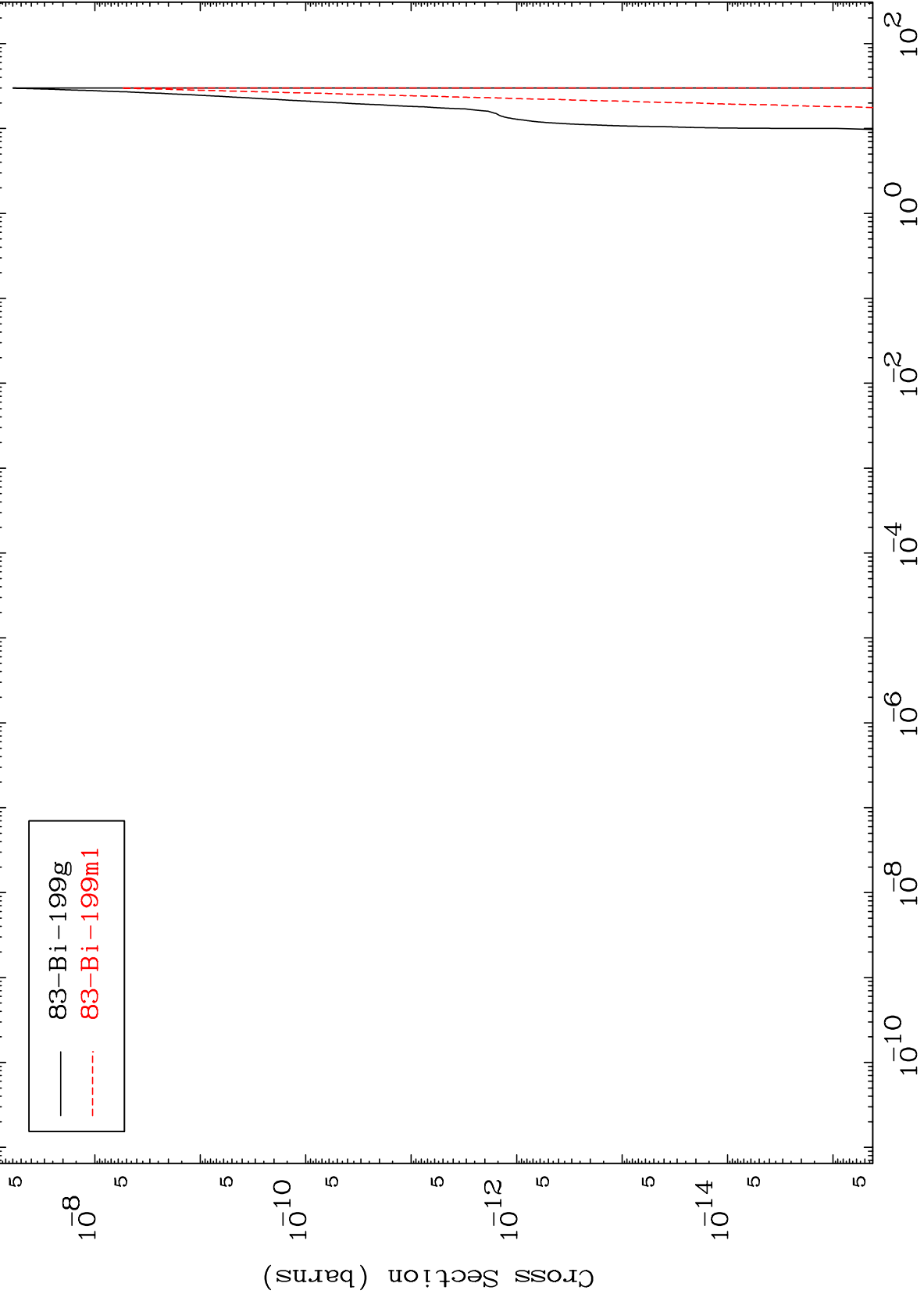


MAT 8713

(n,2n) 2 α

87-Fr-208

Radionuclide Production Cross Section



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

104

Incident Energy (MeV)

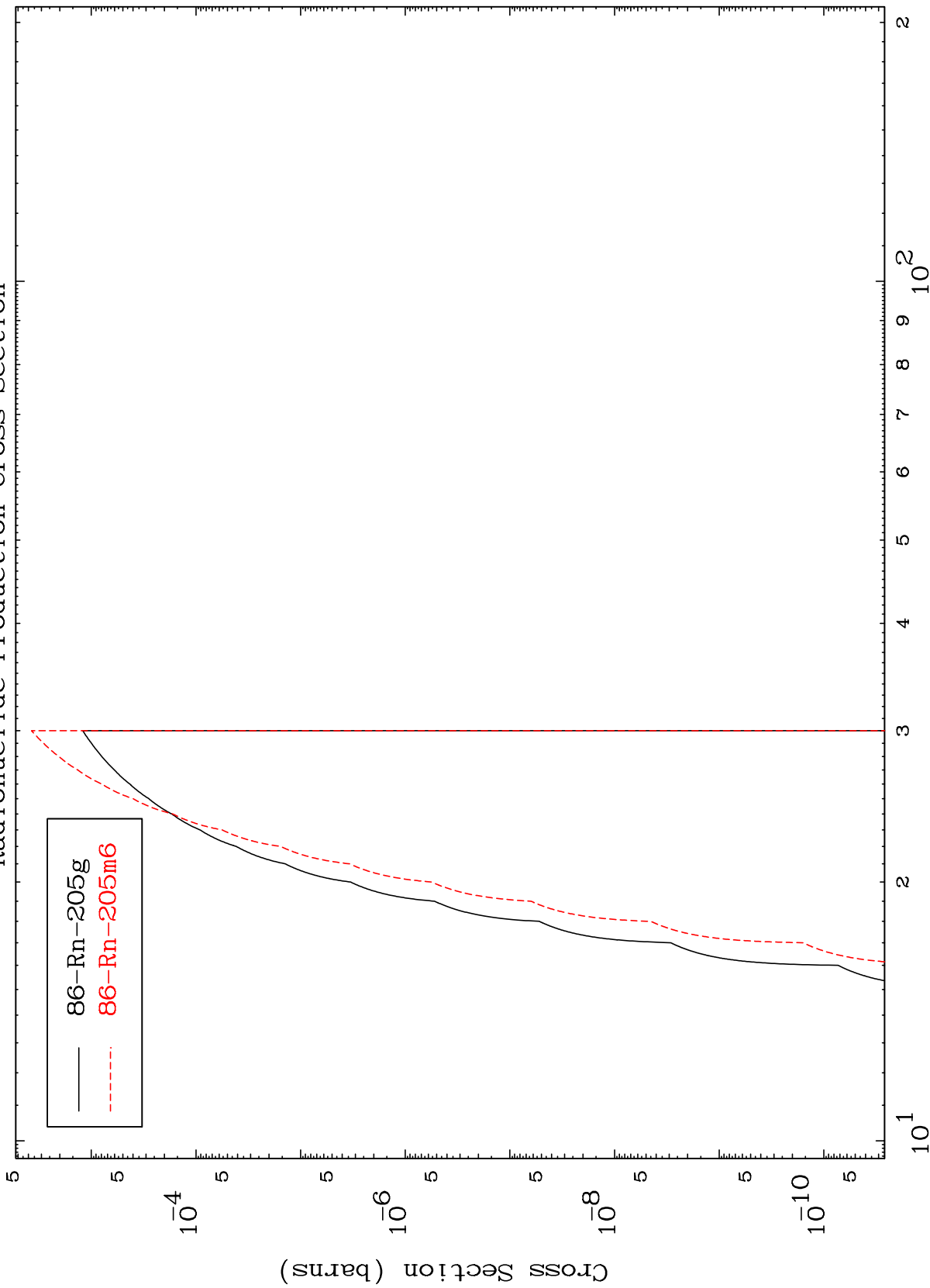
87-Fr-208

MAT 8713

(n,n') t

87-Fr-208

Radionuclide Production Cross Section



86-Rn-205g
86-Rn-205m6

Incident Energy (MeV)

87-Fr-208

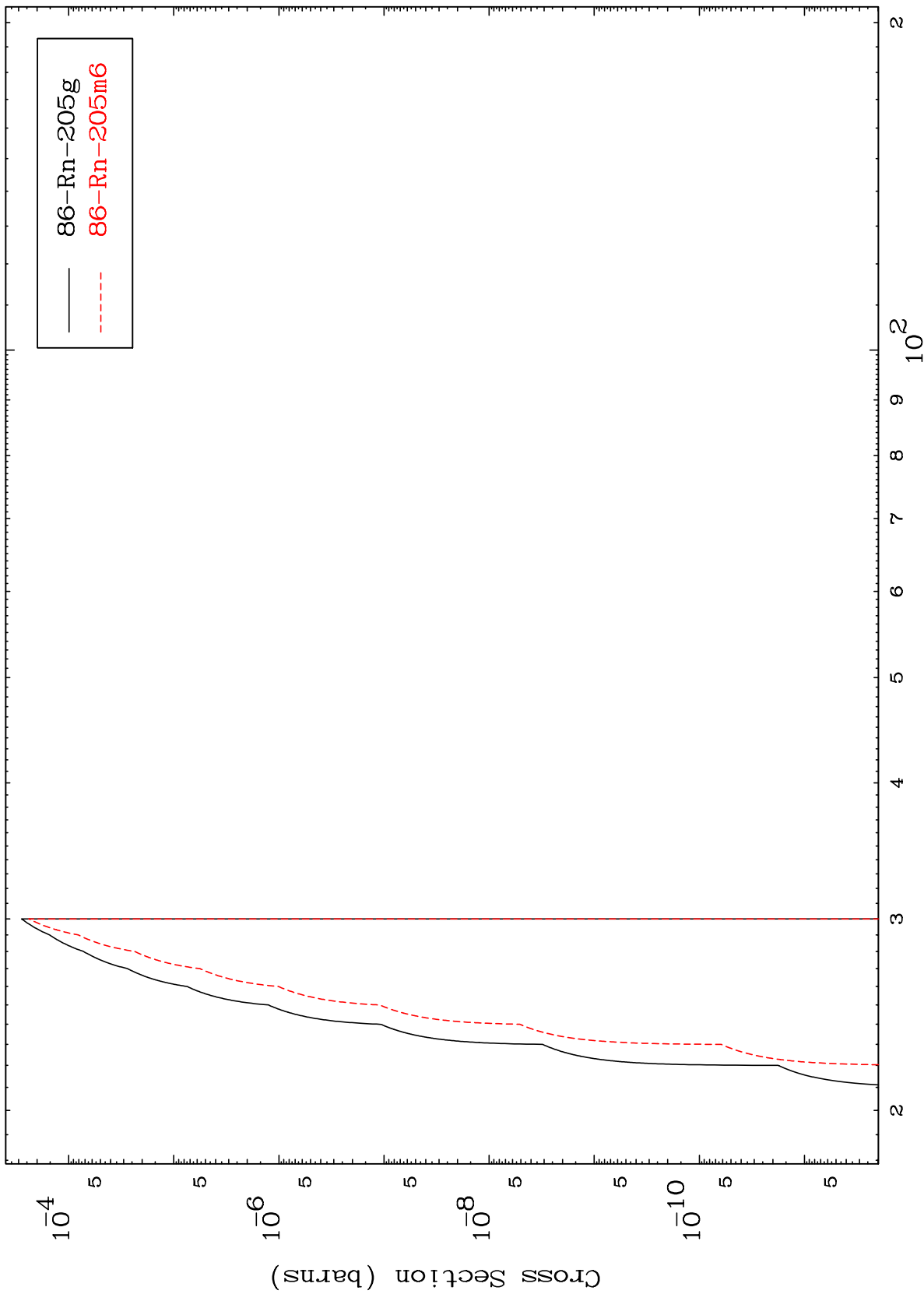
105

MAT 8713

(n,3n) p

87-Fr-208

Radionuclide Production Cross Section



106

Incident Energy (MeV)

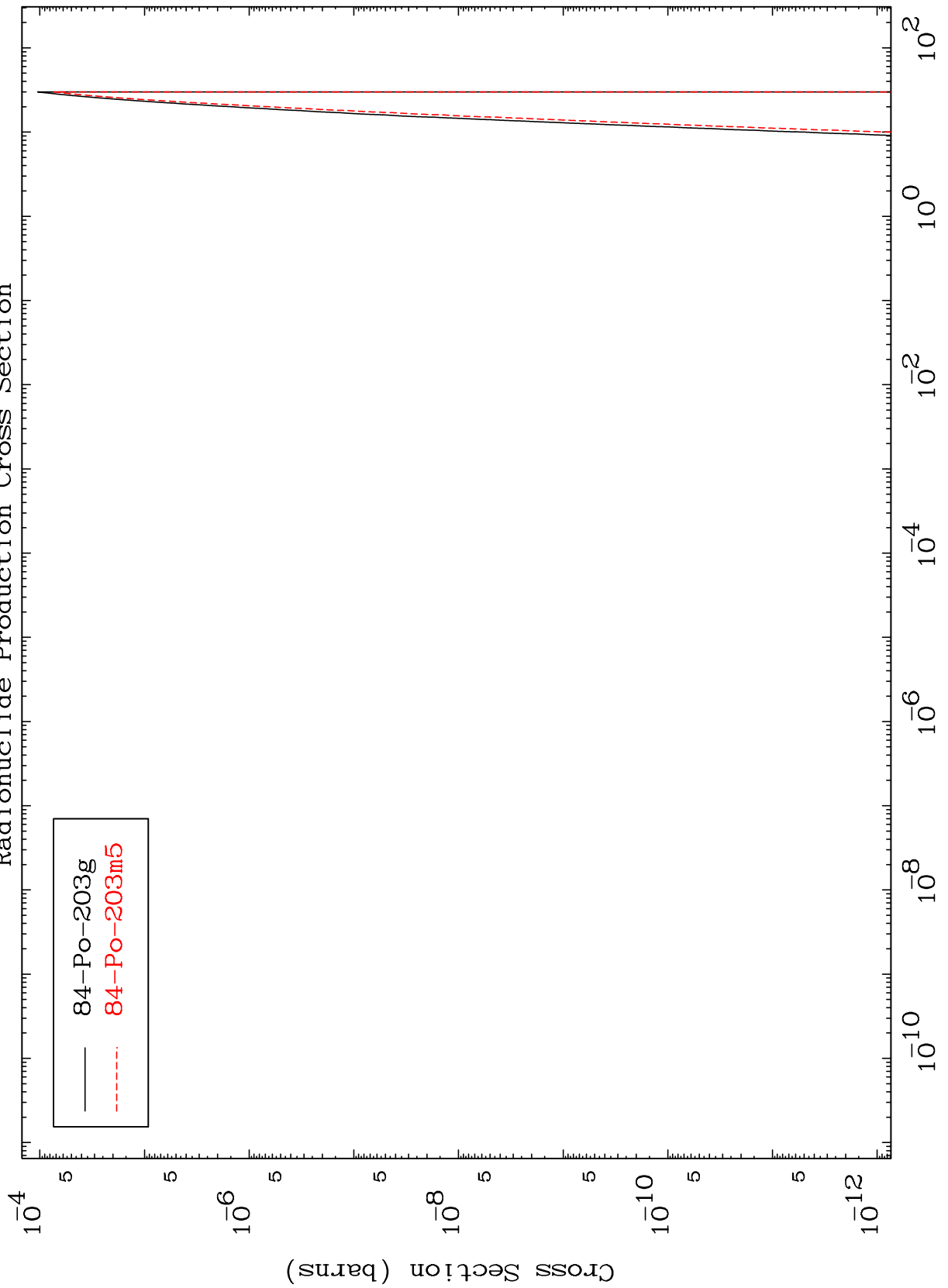
87-Fr-208

MAT 8713

(n,n') p α

87-Fr-208

Radionuclide Production Cross Section



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

107

Incident Energy (MeV)

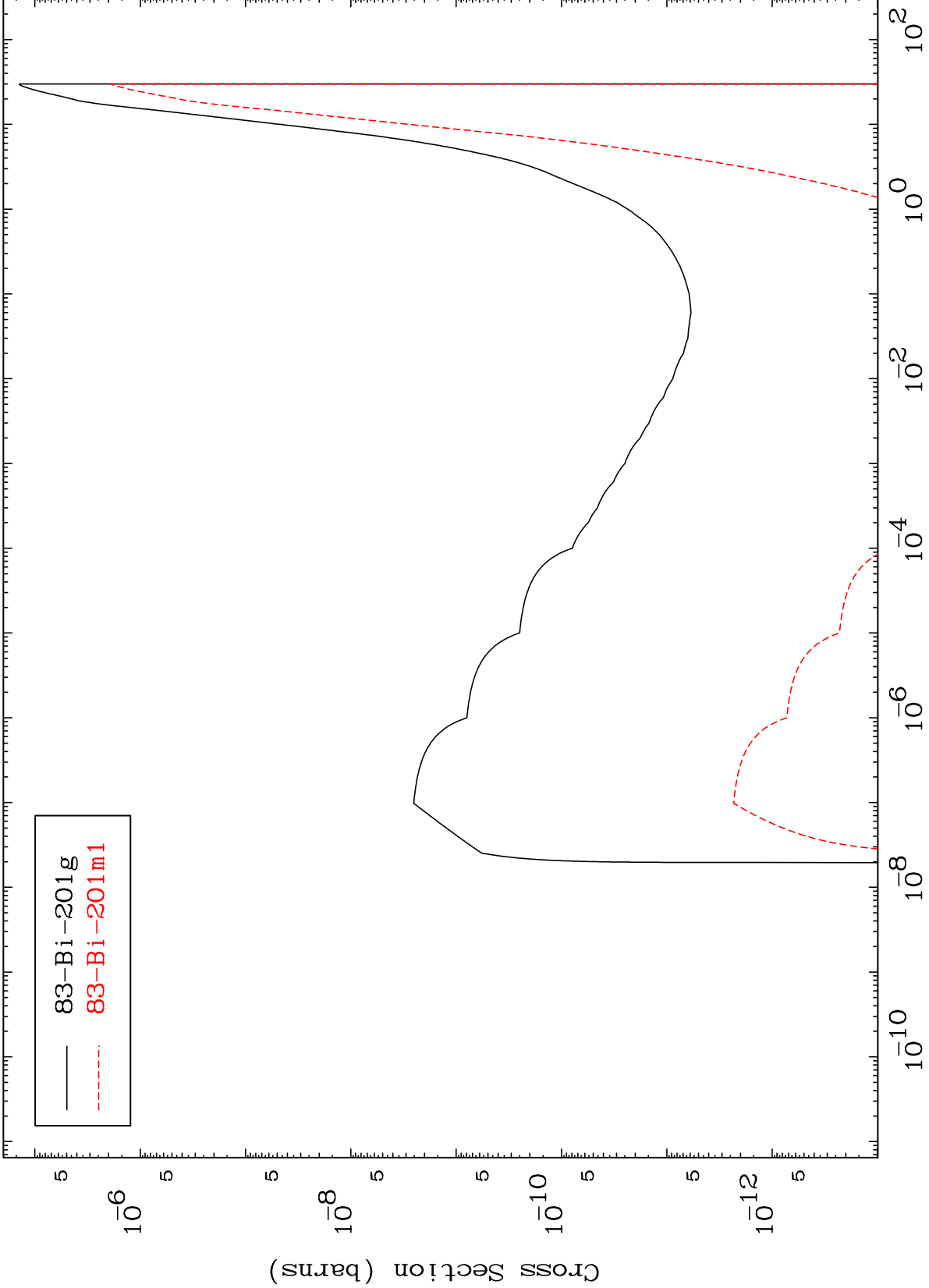
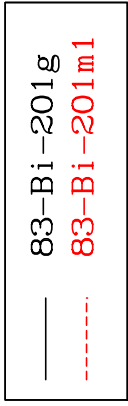
87-Fr-208

MAT 8713

(n,2α)

87-Fr-208

Radionuclide Production Cross Section

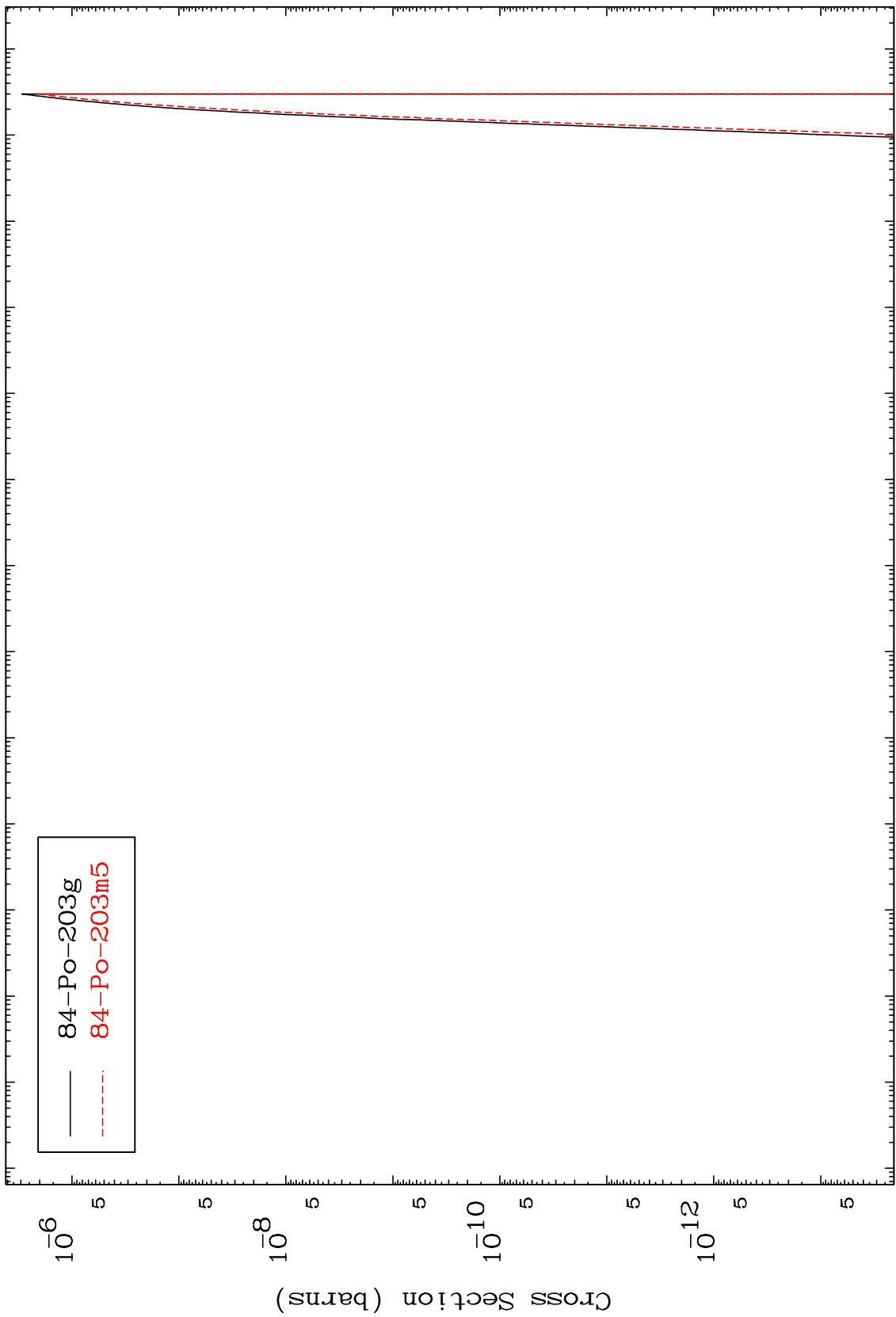
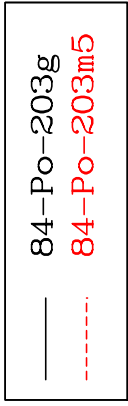


MAT 8713

(n,d) α

87-Fr-208

Radionuclide Production Cross Section



10⁻⁶
5
10⁻⁸
5
10⁻¹⁰
5
10⁻¹²
5
10⁻¹⁰
10⁻⁸
10⁻⁶
10⁻⁴
10⁻²
10⁰
10²

Cross Section (barns)

Incident Energy (MeV)

87-Fr-208

109