

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

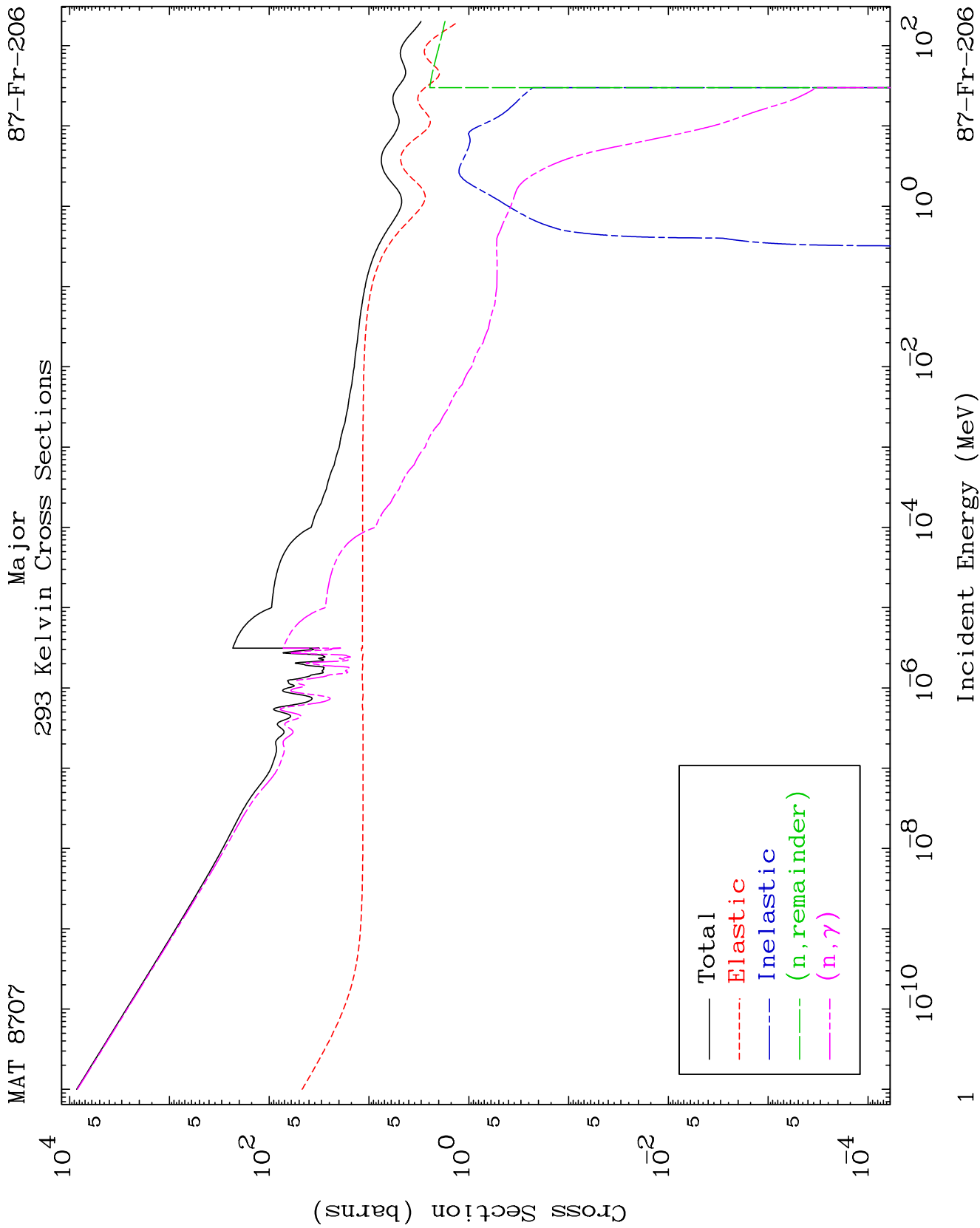
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

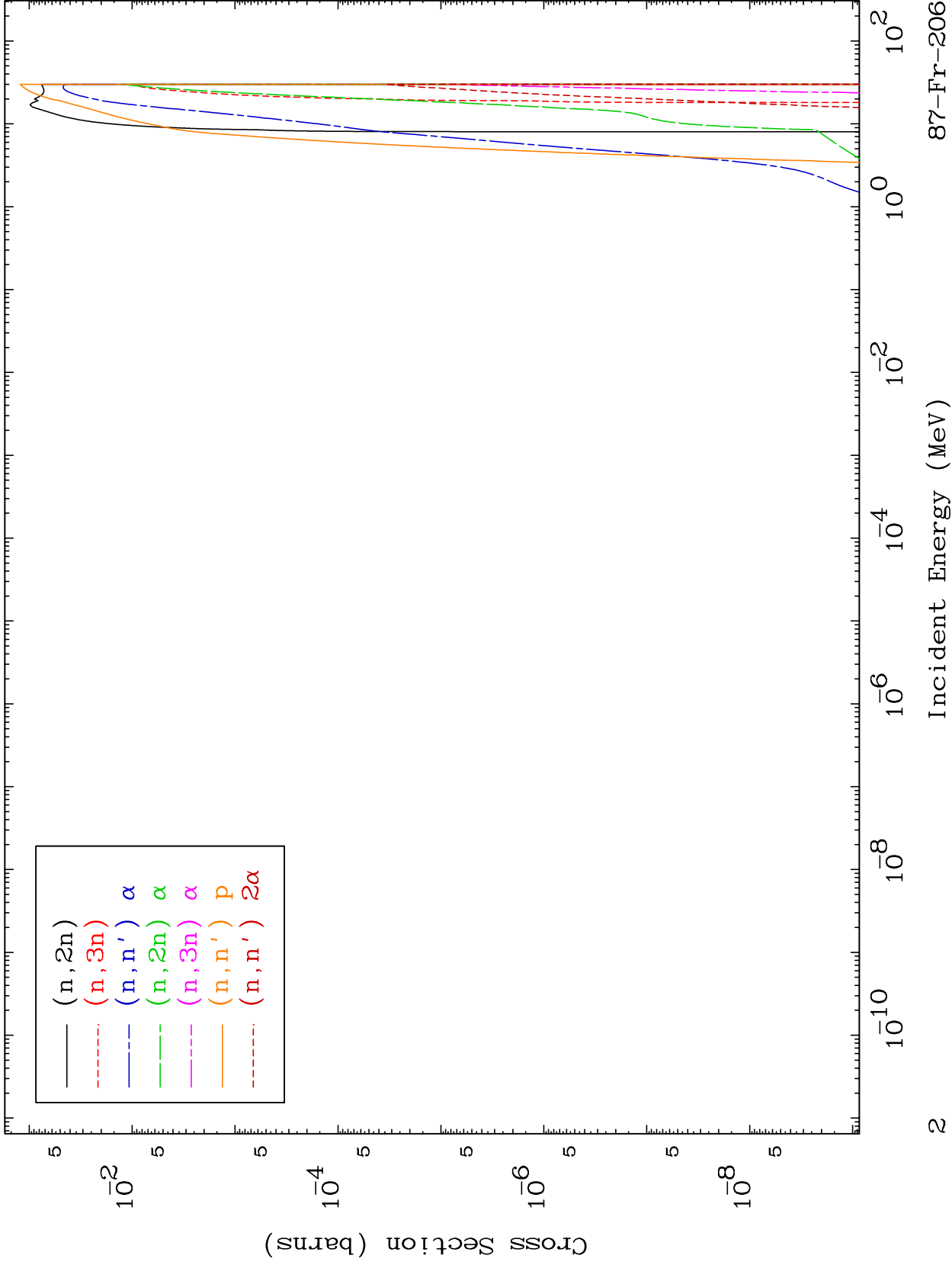
Press Mouse Button to Start



MAT 8707

Neutron Production
293 Kelvin Cross Sections

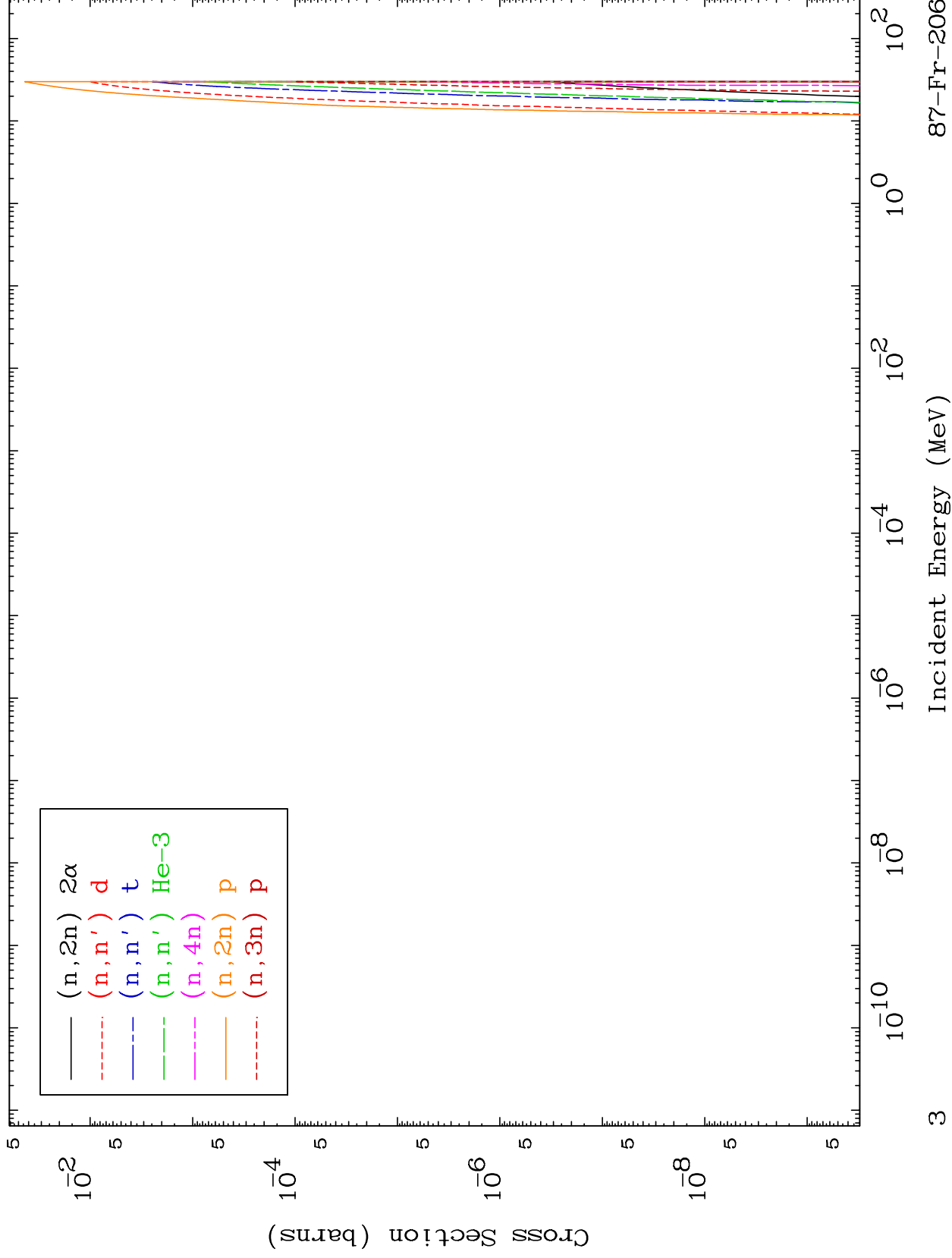
87-Fr-206



MAT 8707

Neutron Production
293 Kelvin Cross Sections

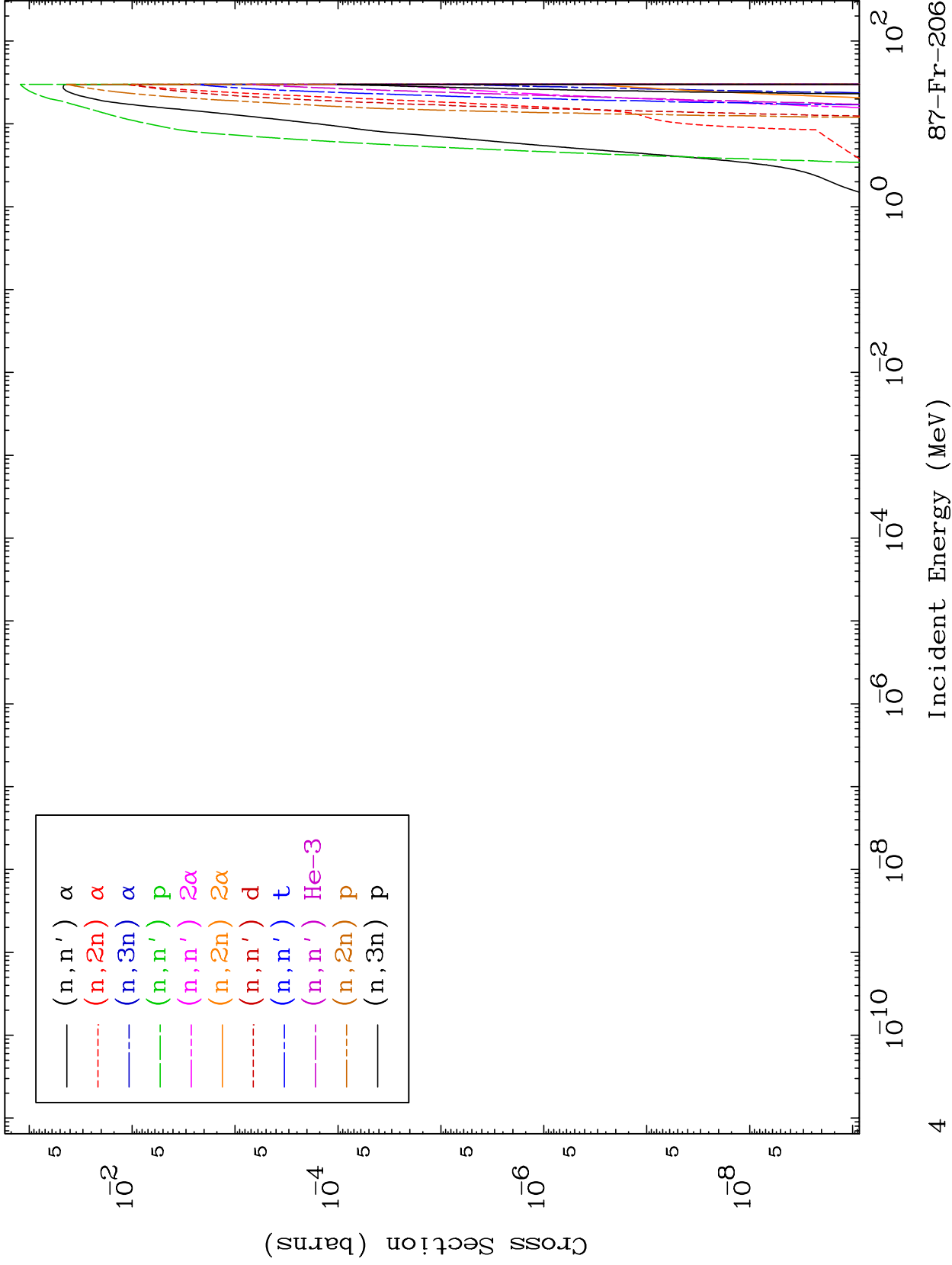
87-Fr-206

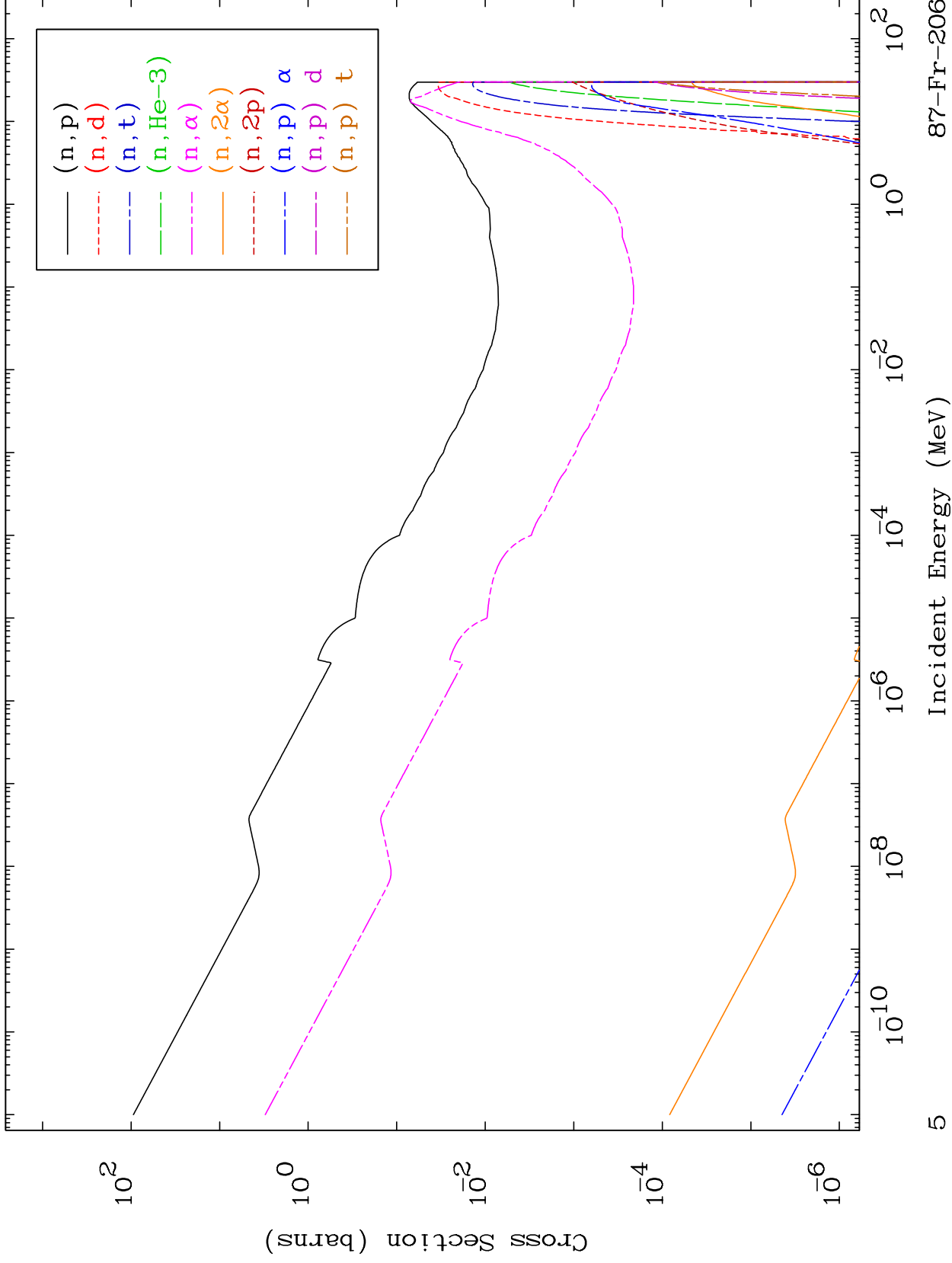


MAT 8707

Charged Particle
293 Kelvin Cross Sections

87-Fr-206

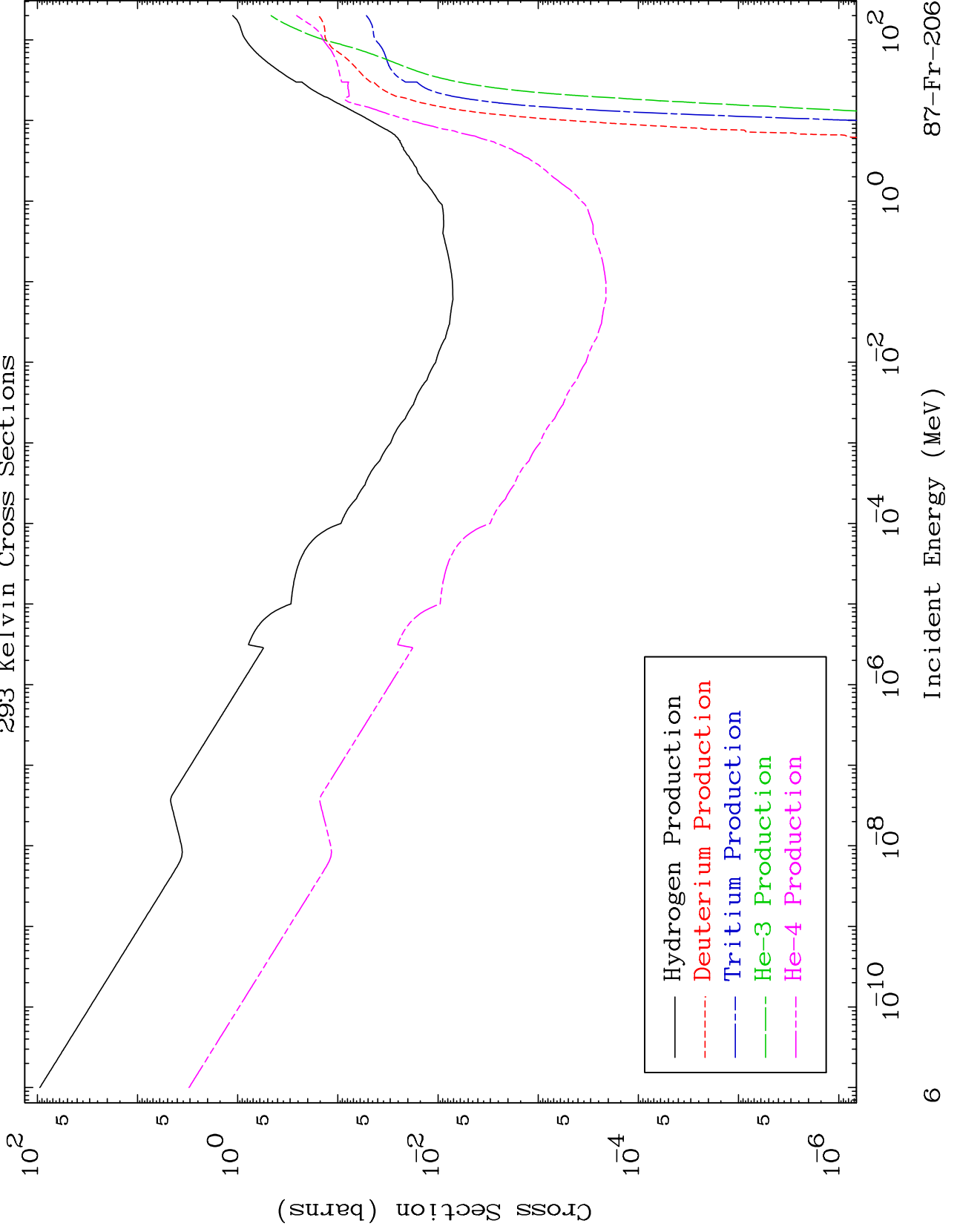


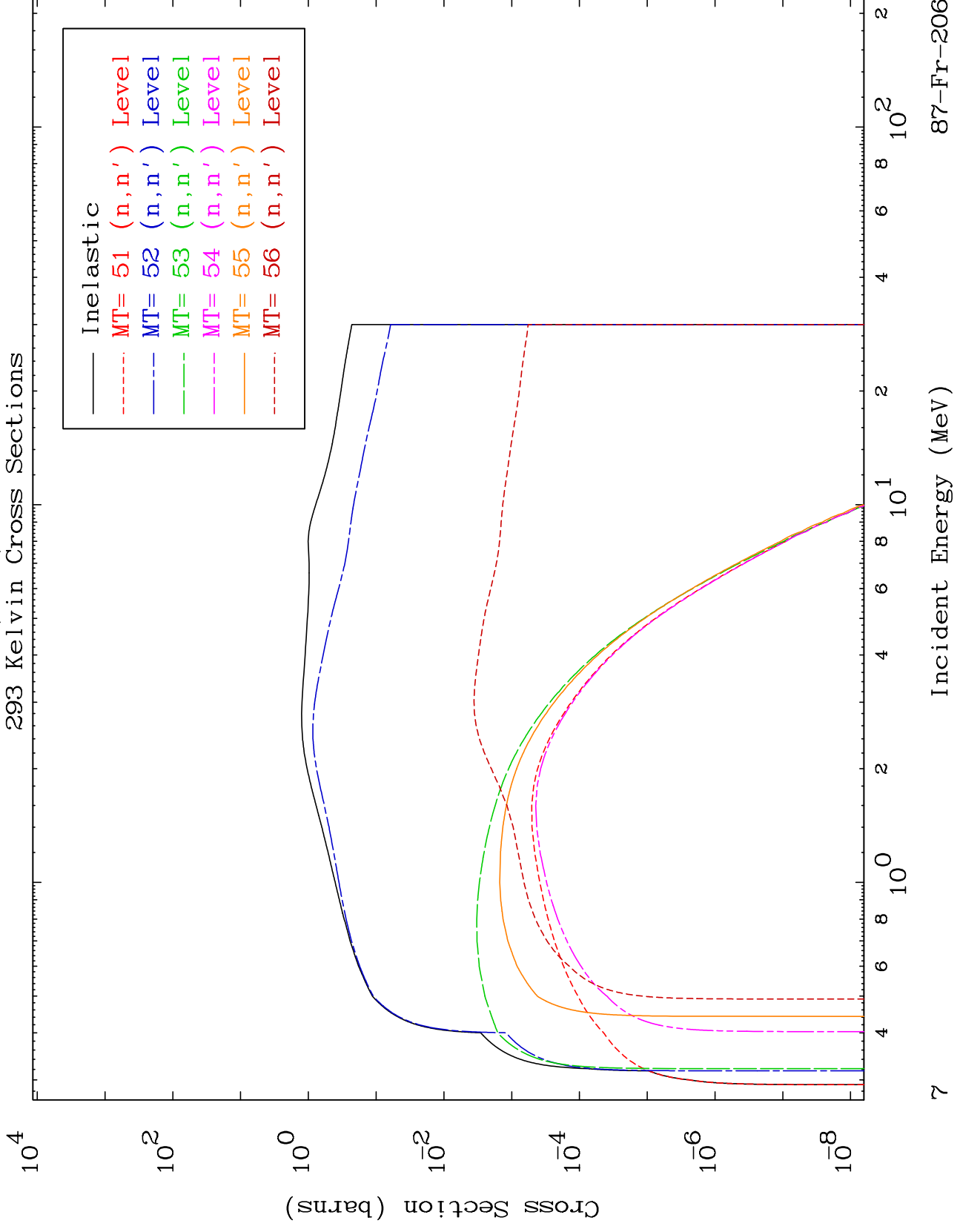


MAT 8707

Particle Production
293 Kelvin Cross Sections

87-Fr-206



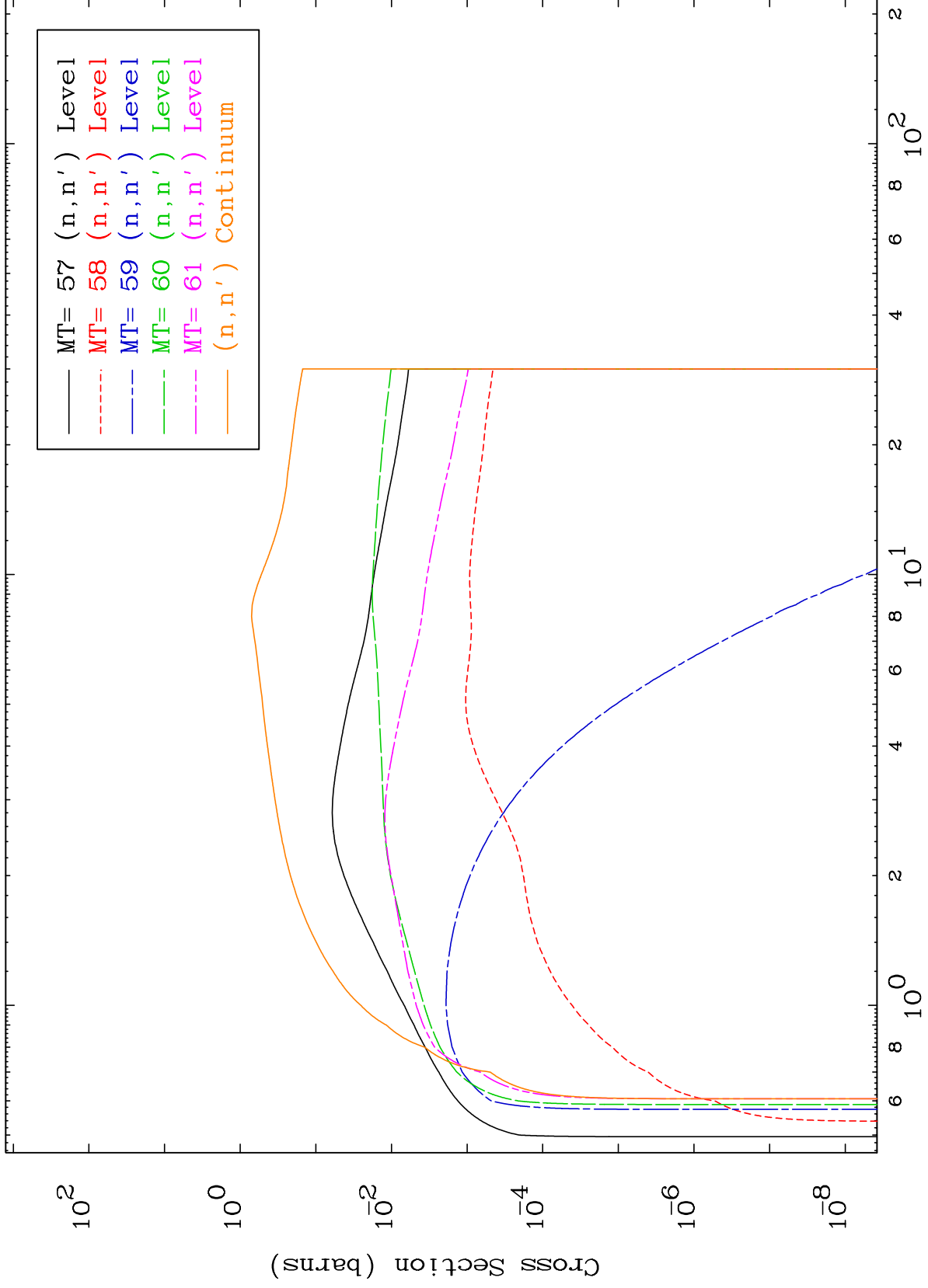


MAT 8707

(n,n') Level

293 Kelvin Cross Sections

87-Fr-206



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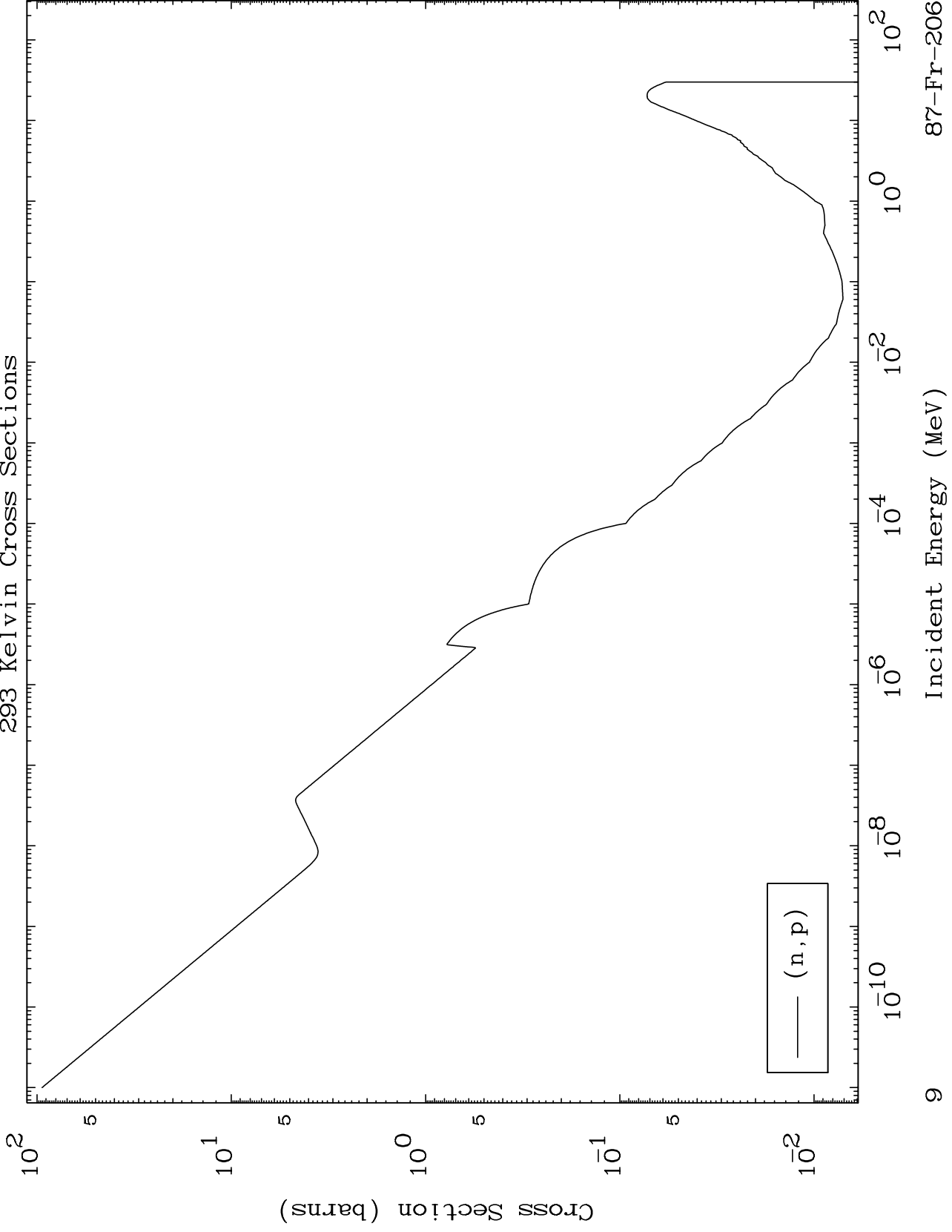
Incident Energy (MeV)

87-Fr-206

MAT 8707

(n,p) Levels
293 Kelvin Cross Sections

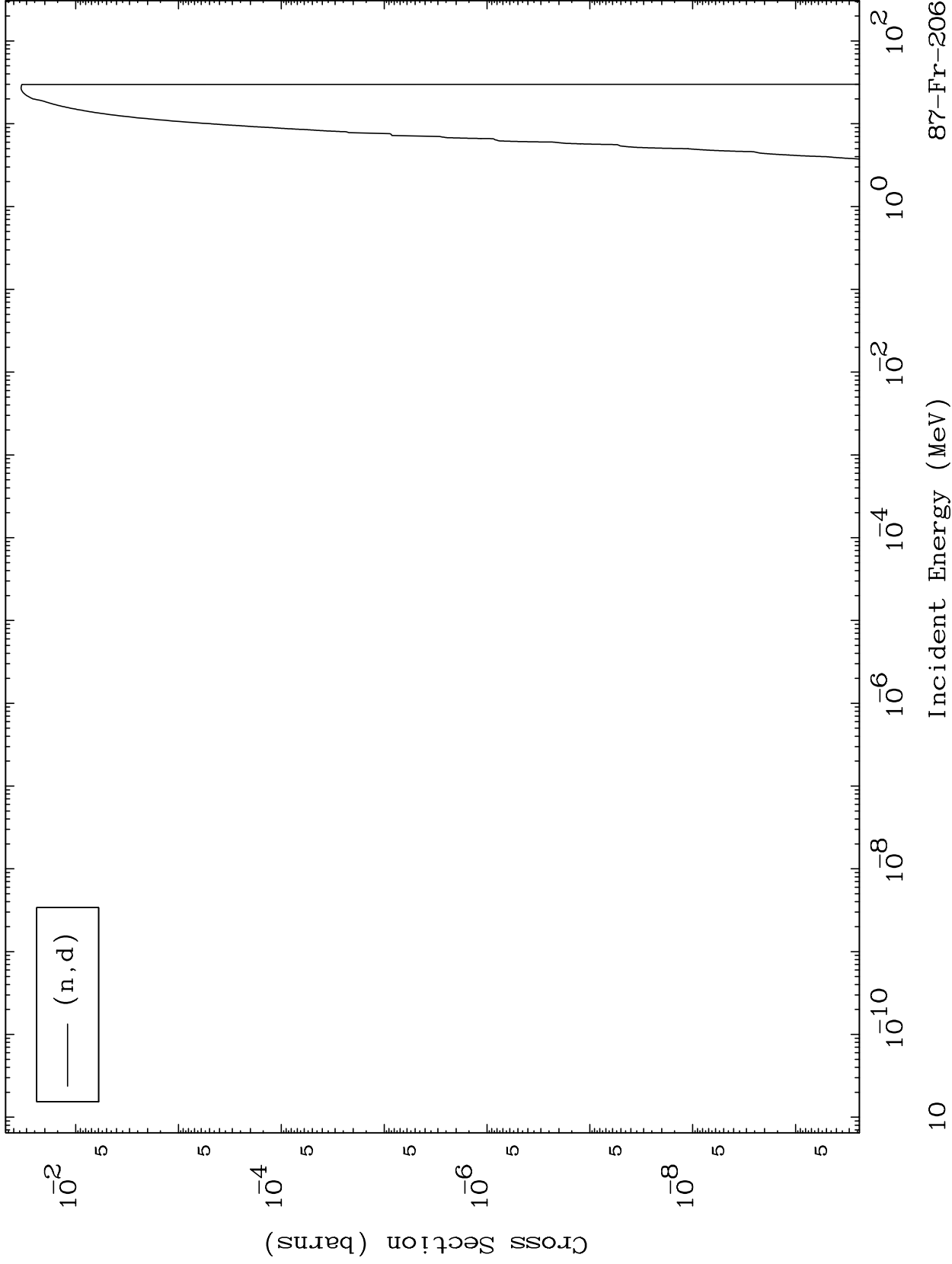
87-Fr-206



MAT 8707

(n,d) Levels
293 Kelvin Cross Sections

87-Fr-206



10

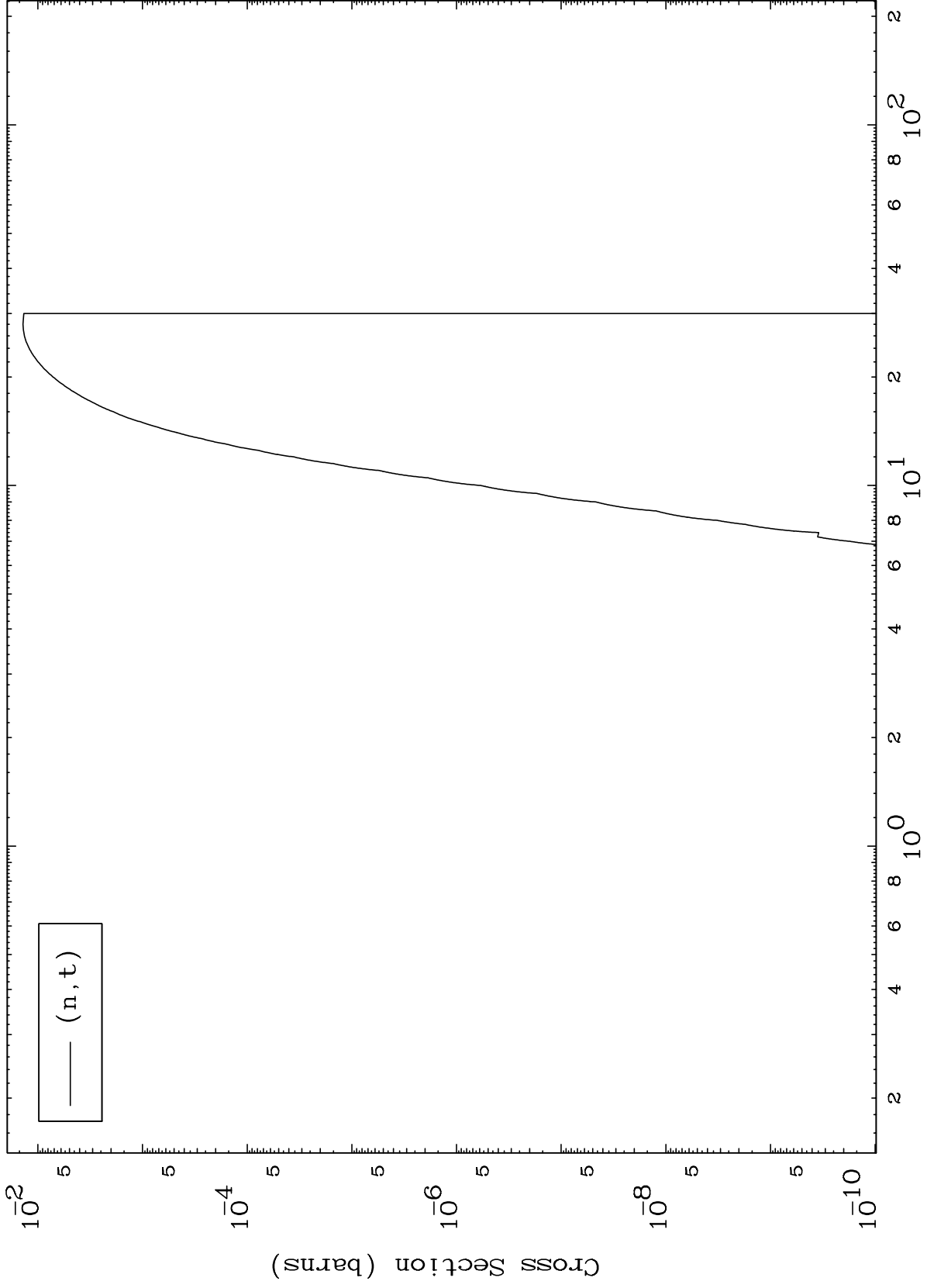
Incident Energy (MeV)

87-Fr-206

MAT 8707

(n,t) Levels
293 Kelvin Cross Sections

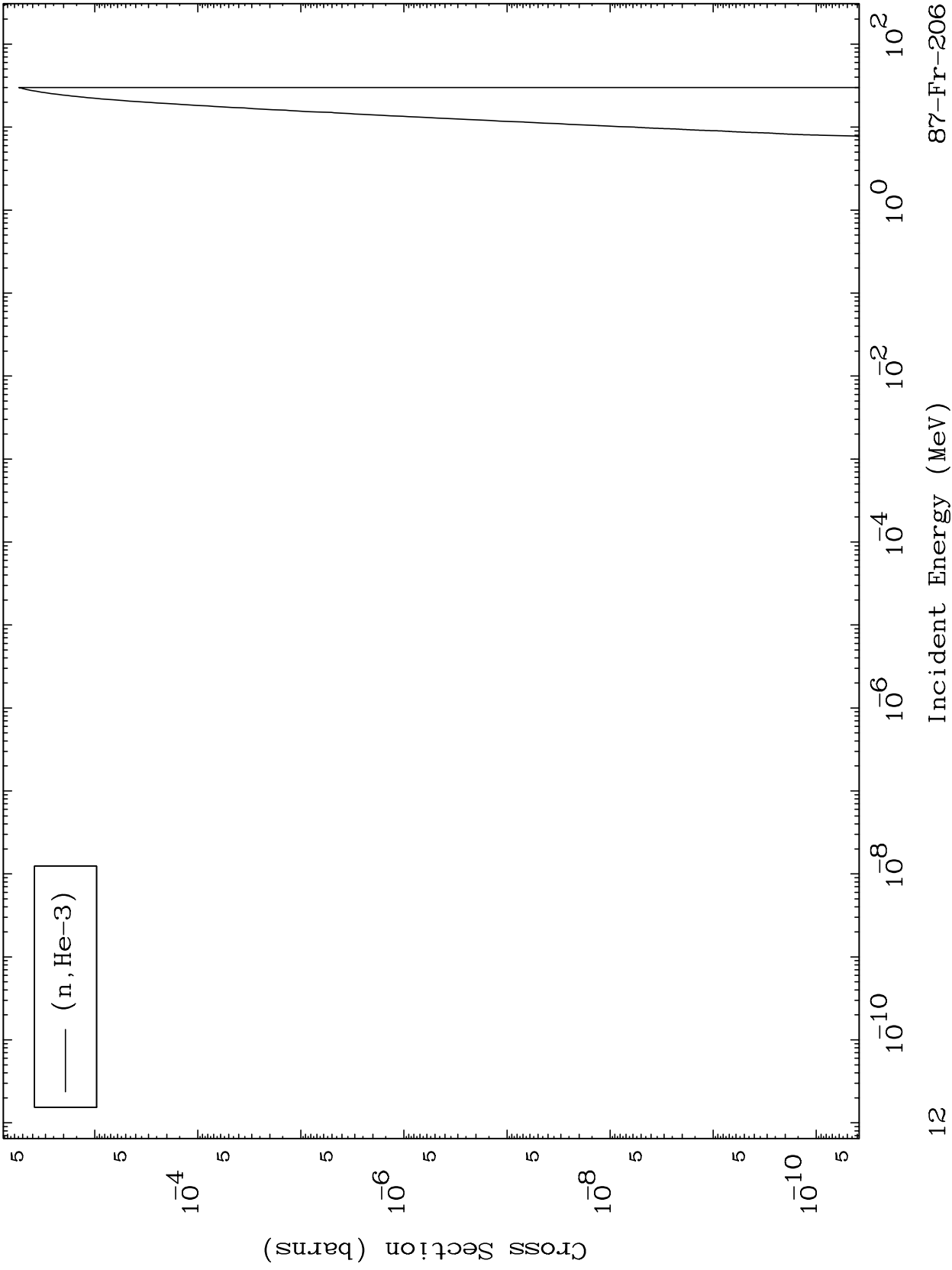
87-Fr-206



MAT 8707

(n,He3) Levels
293 Kelvin Cross Sections

87-Fr-206



12

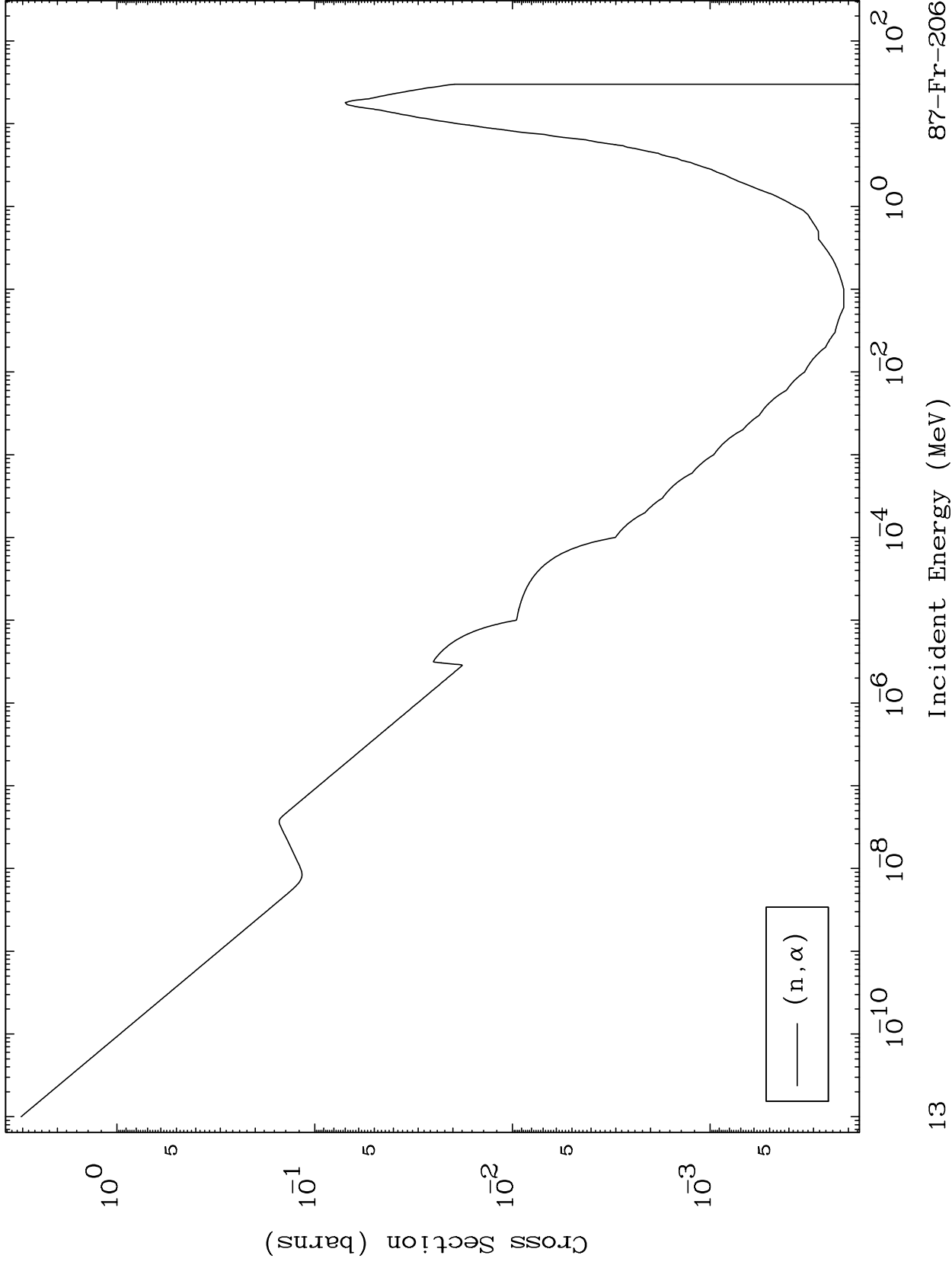
Incident Energy (MeV)

87-Fr-206

MAT 8707

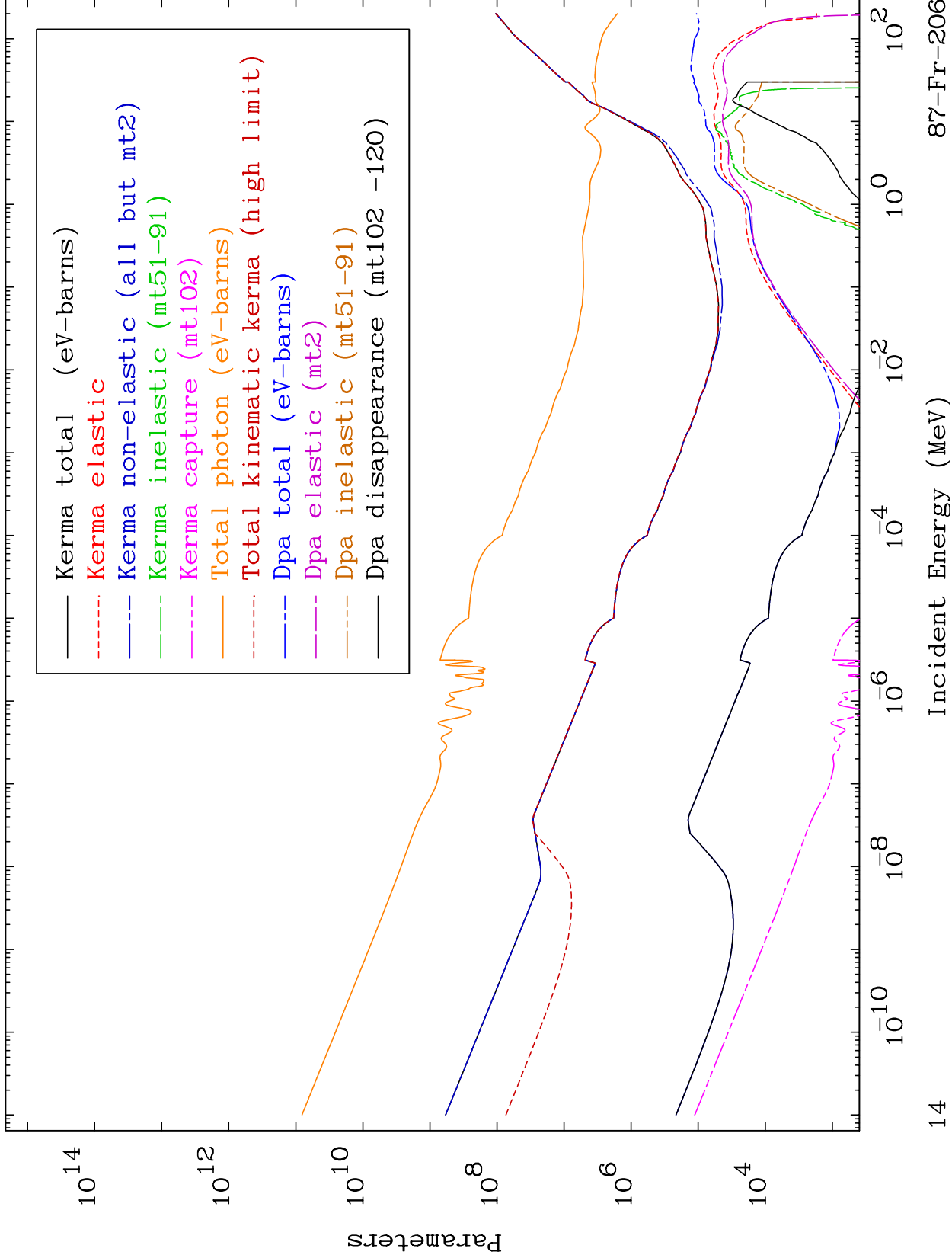
(n,α) Levels
293 Kelvin Cross Sections

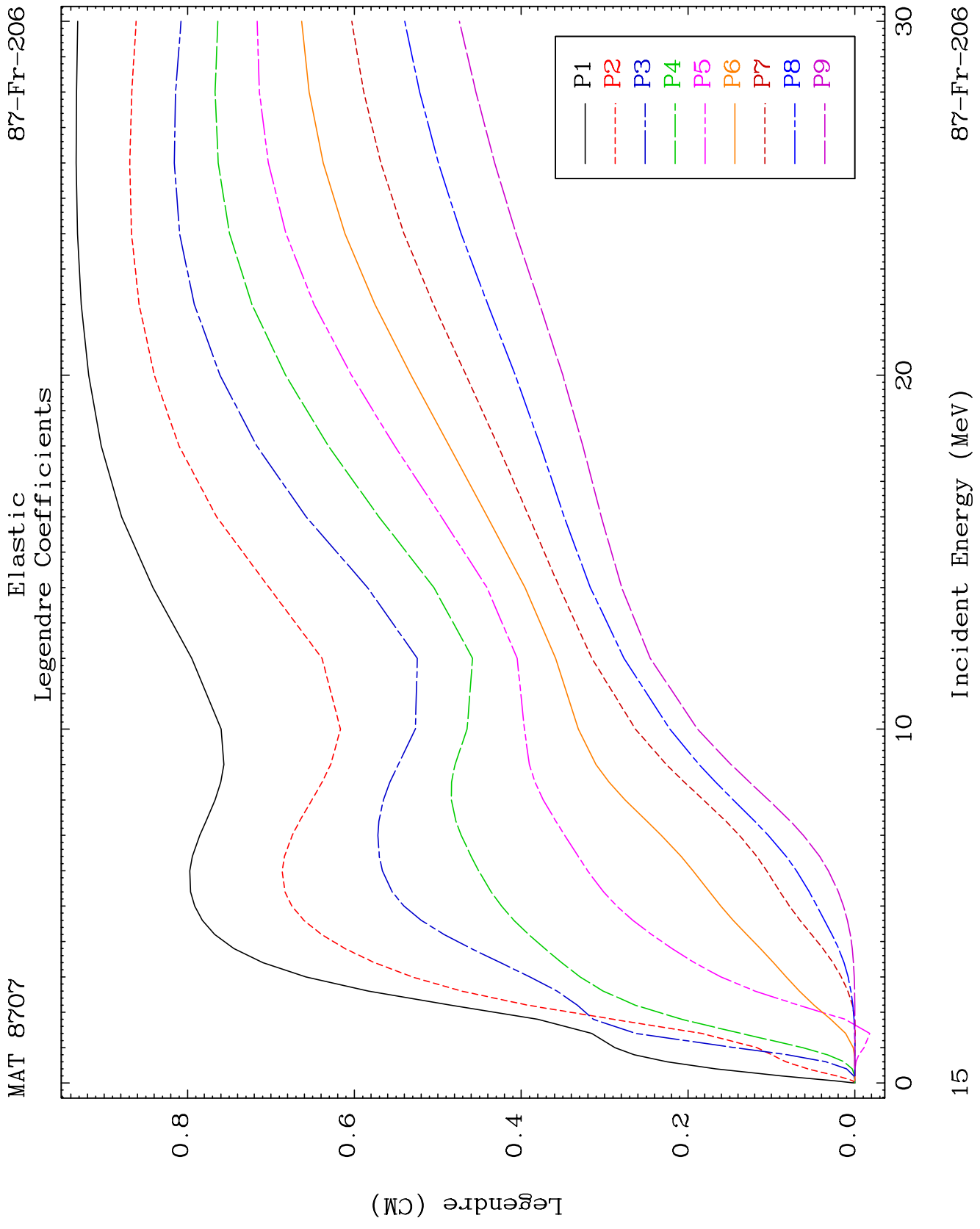
87-Fr-206



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87-Fr-206

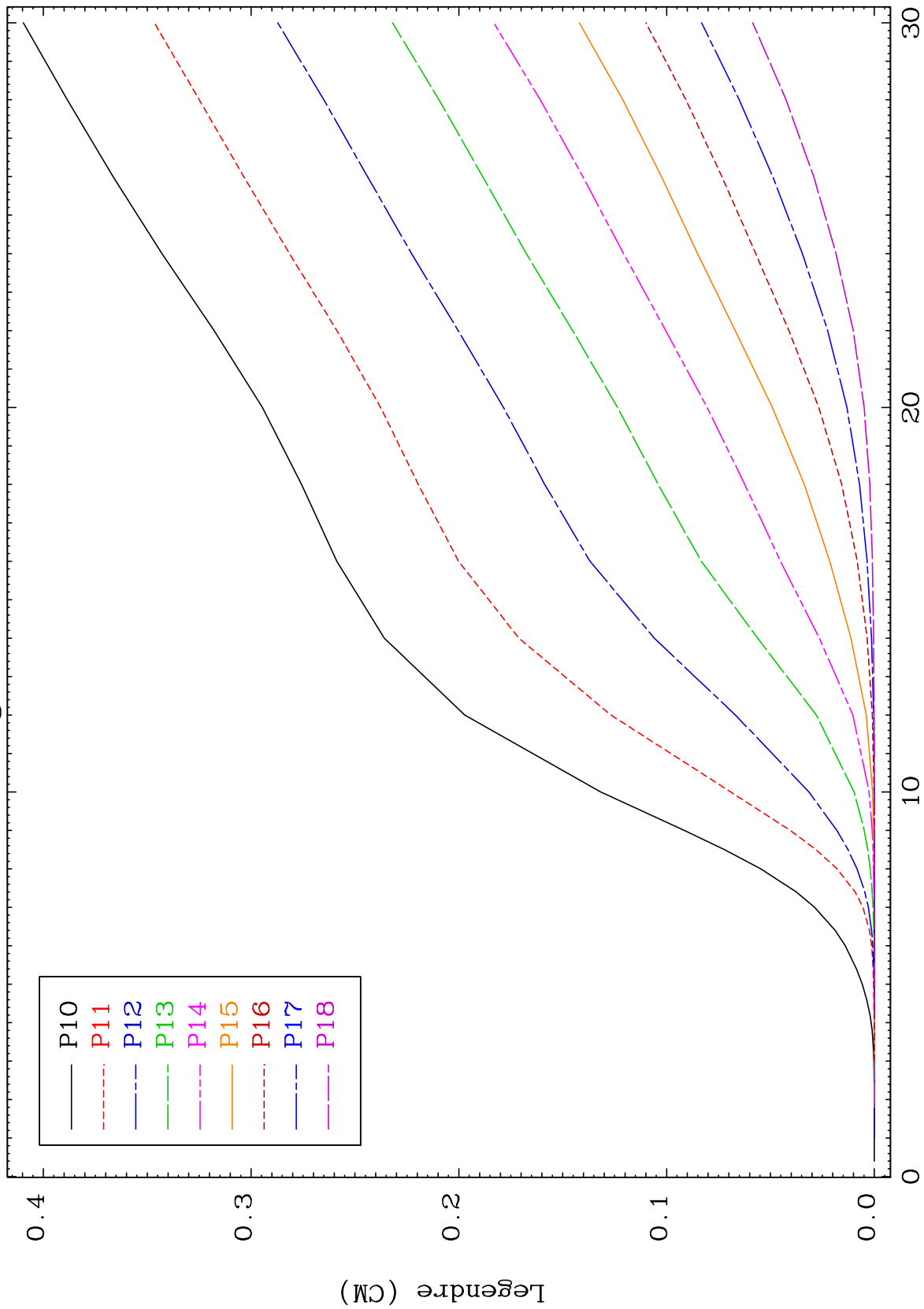




MAT 8707

Elastic Legendre Coefficients

87-Fr-206



16

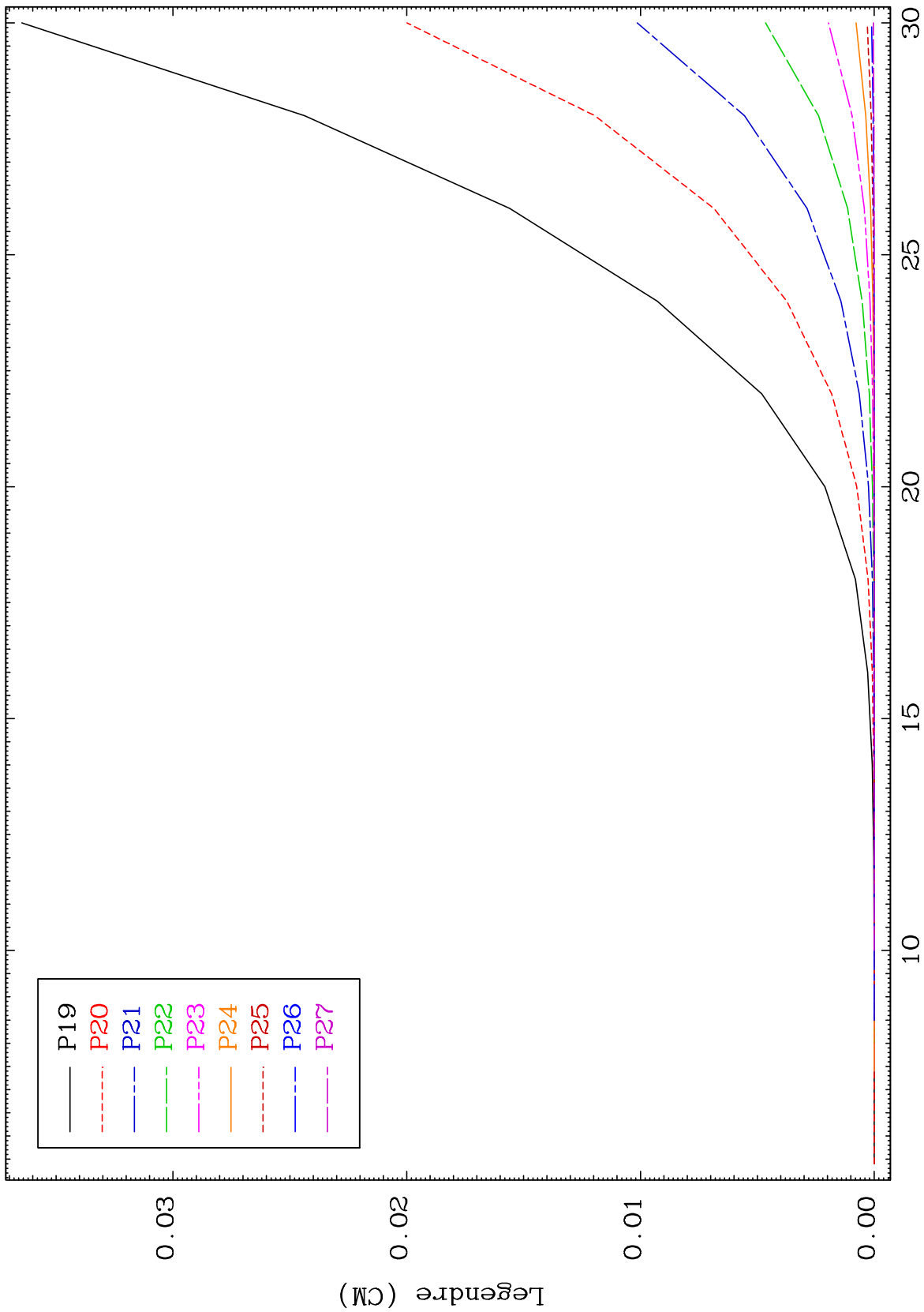
Incident Energy (MeV)

87-Fr-206

MAT 8707

Elastic
Legendre Coefficients

87-Fr-206



17

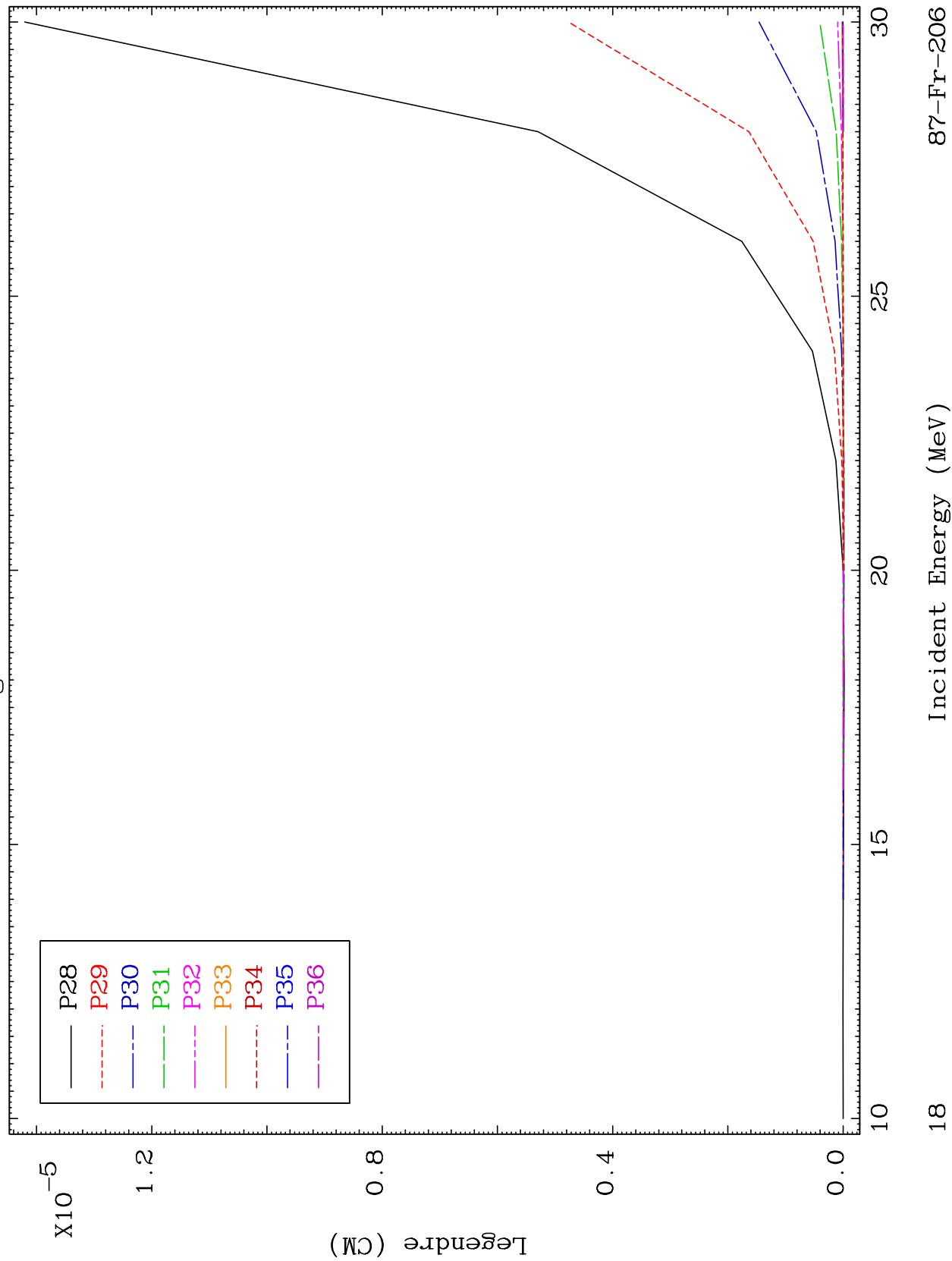
Incident Energy (MeV)

87-Fr-206

MAT 8707

Elastic Legendre Coefficients

87-Fr-206



87-Fr-206

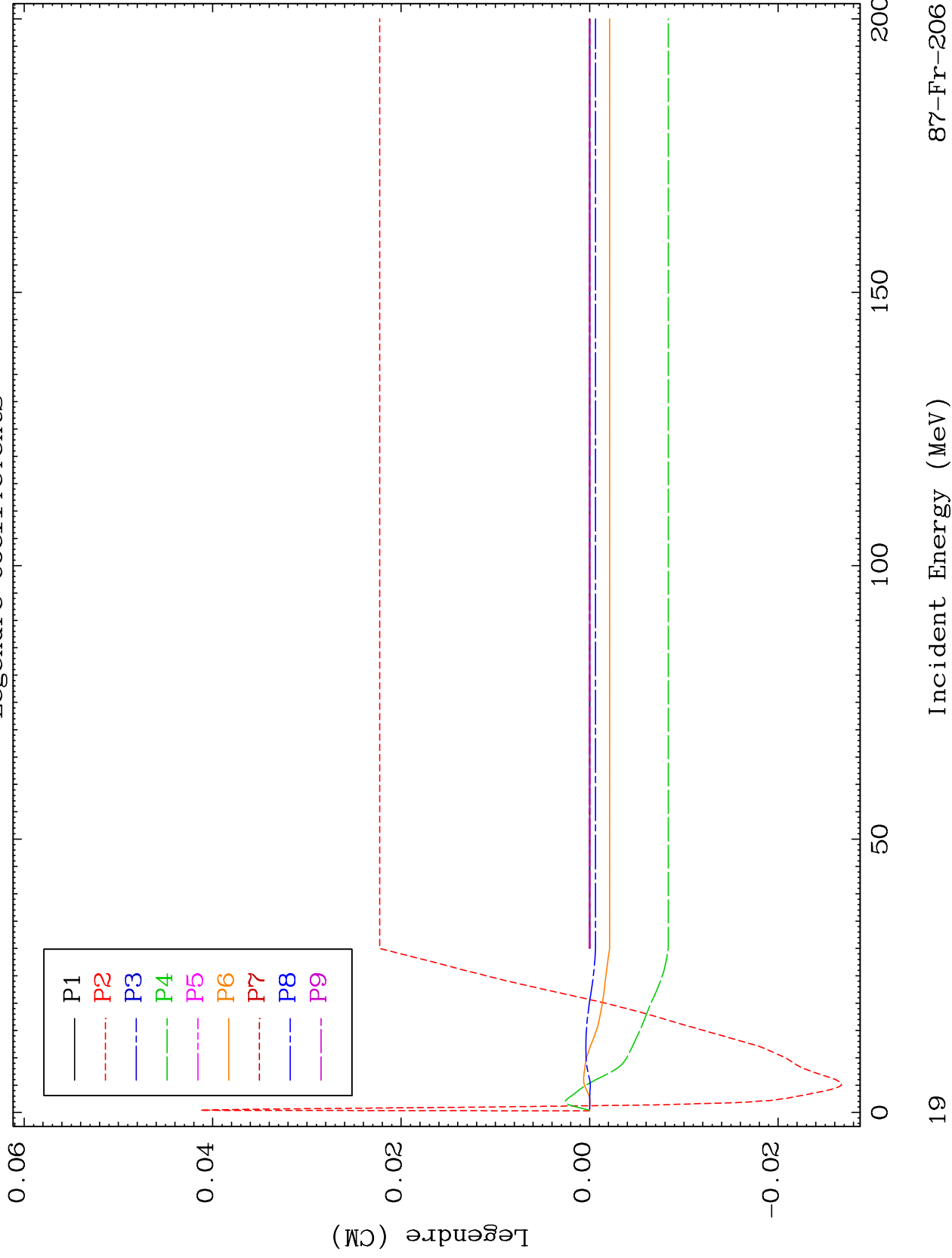
Incident Energy (MeV)

18

MAT 8707

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

87-Fr-206



19

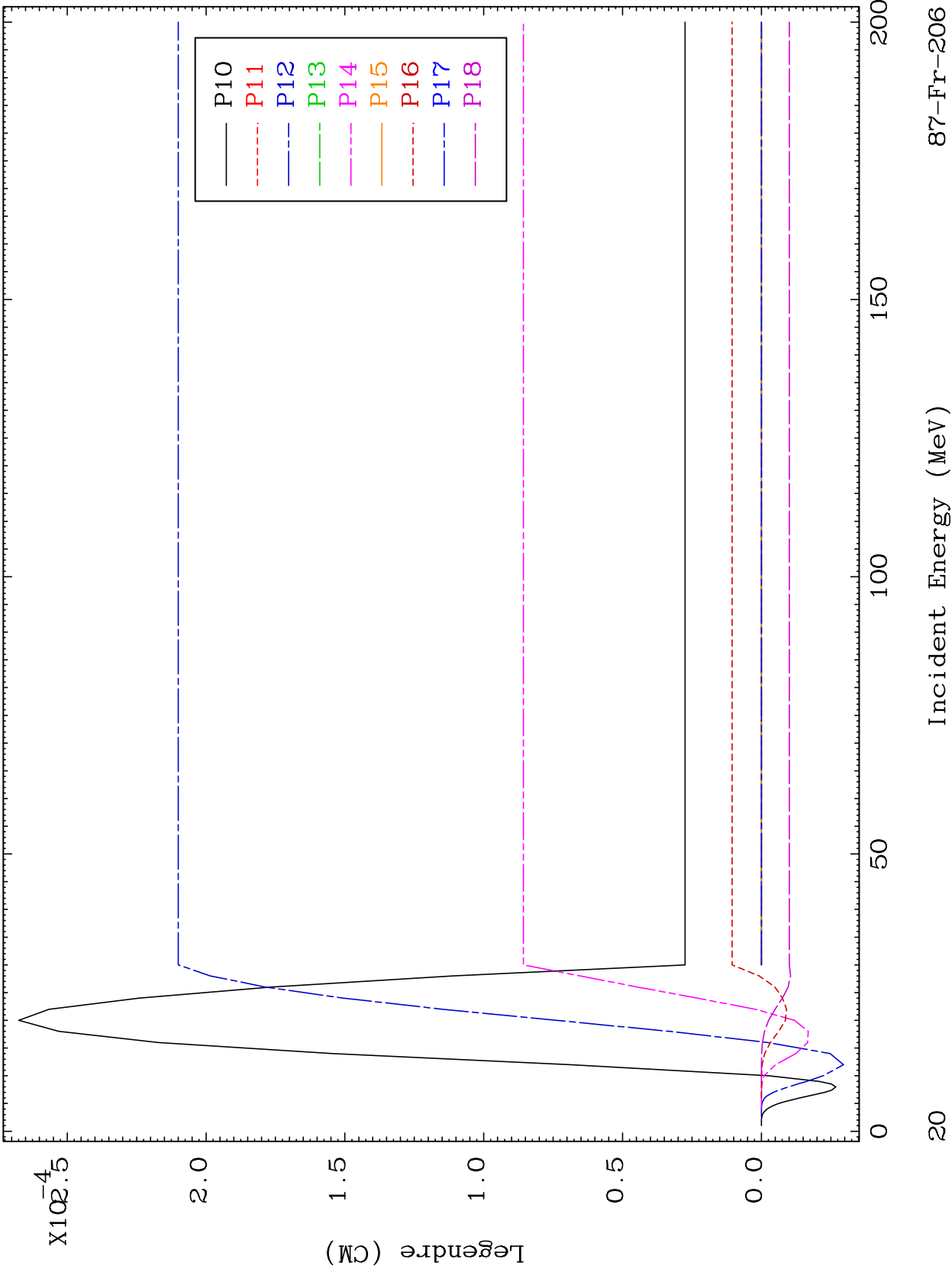
Incident Energy (MeV)

87-Fr-206

MAT 8707

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

87-Fr-206



87-Fr-206

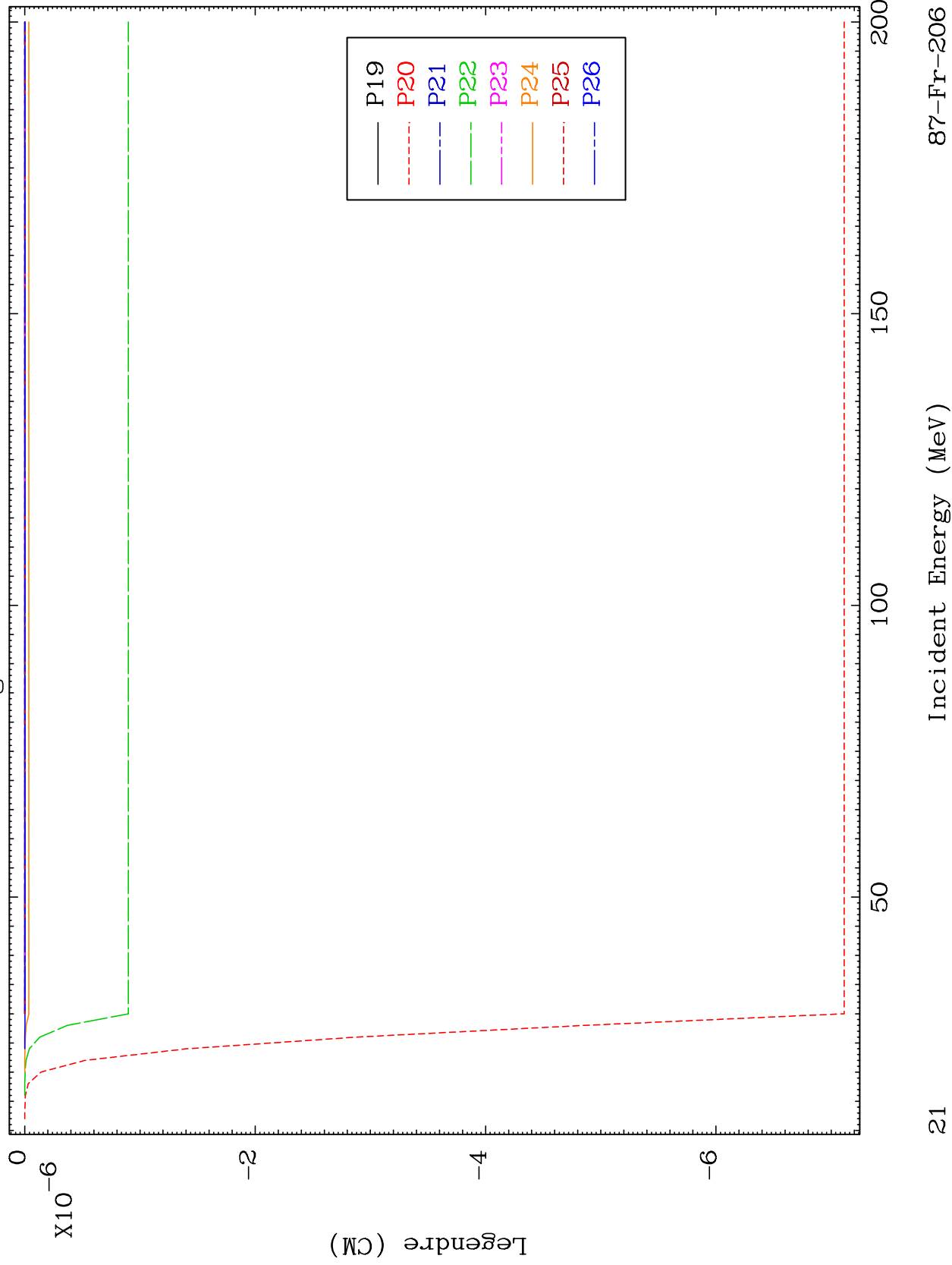
Incident Energy (MeV)

20

MAT 8707

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

87-Fr-206



21

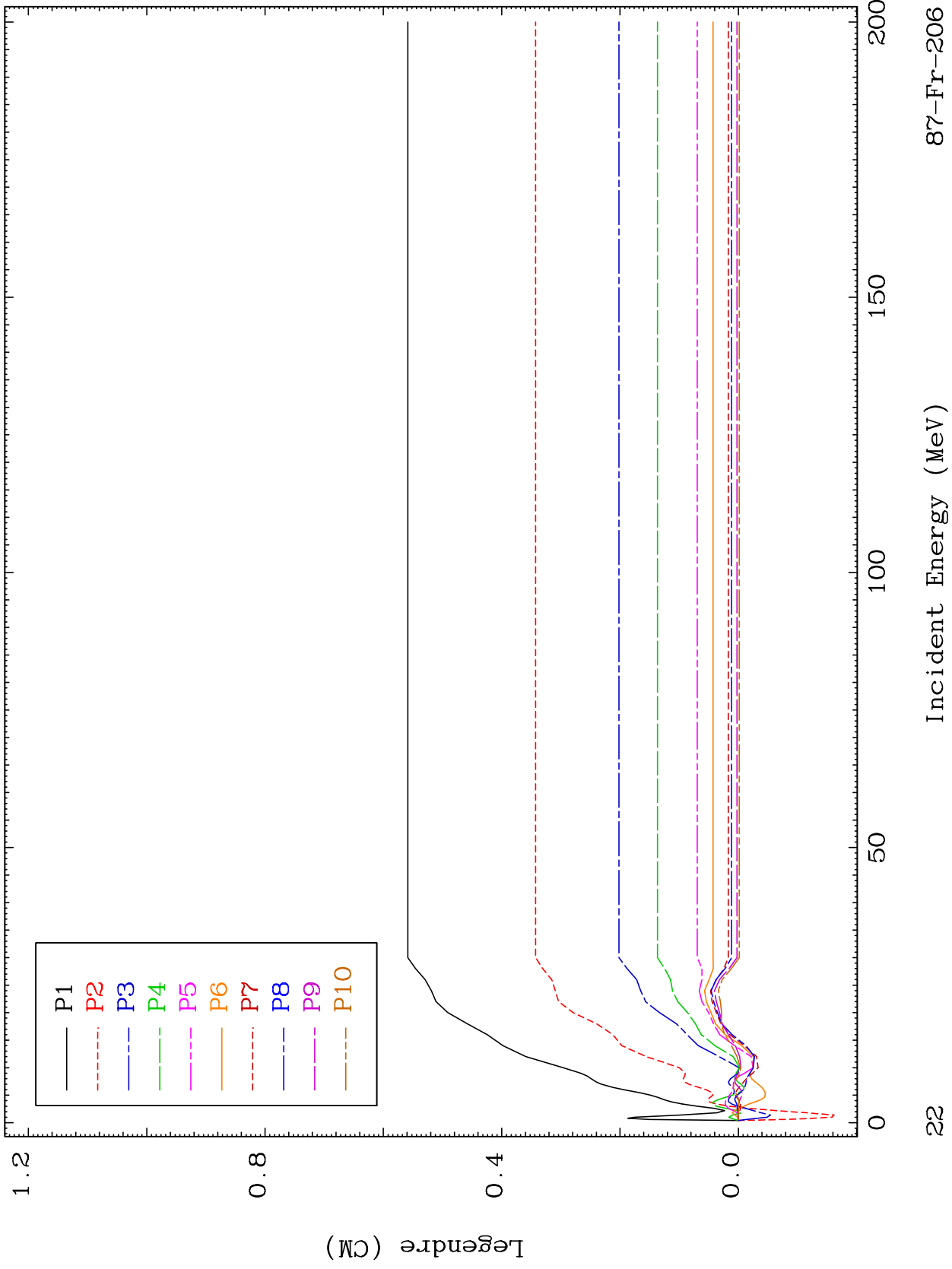
Incident Energy (MeV)

87-Fr-206

MAT 8707

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

87-Fr-206



22

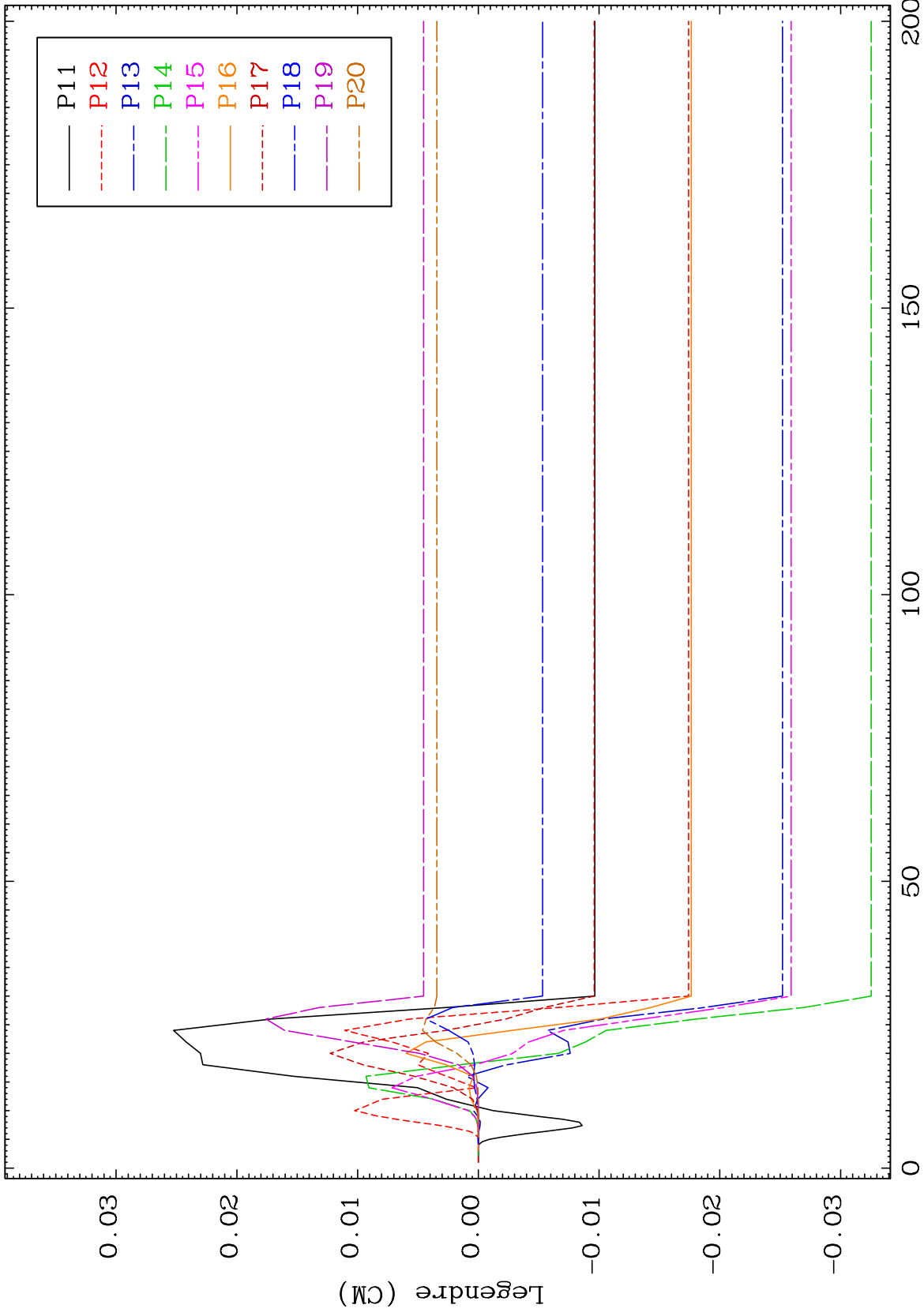
Incident Energy (MeV)

87-Fr-206

MAT 8707

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

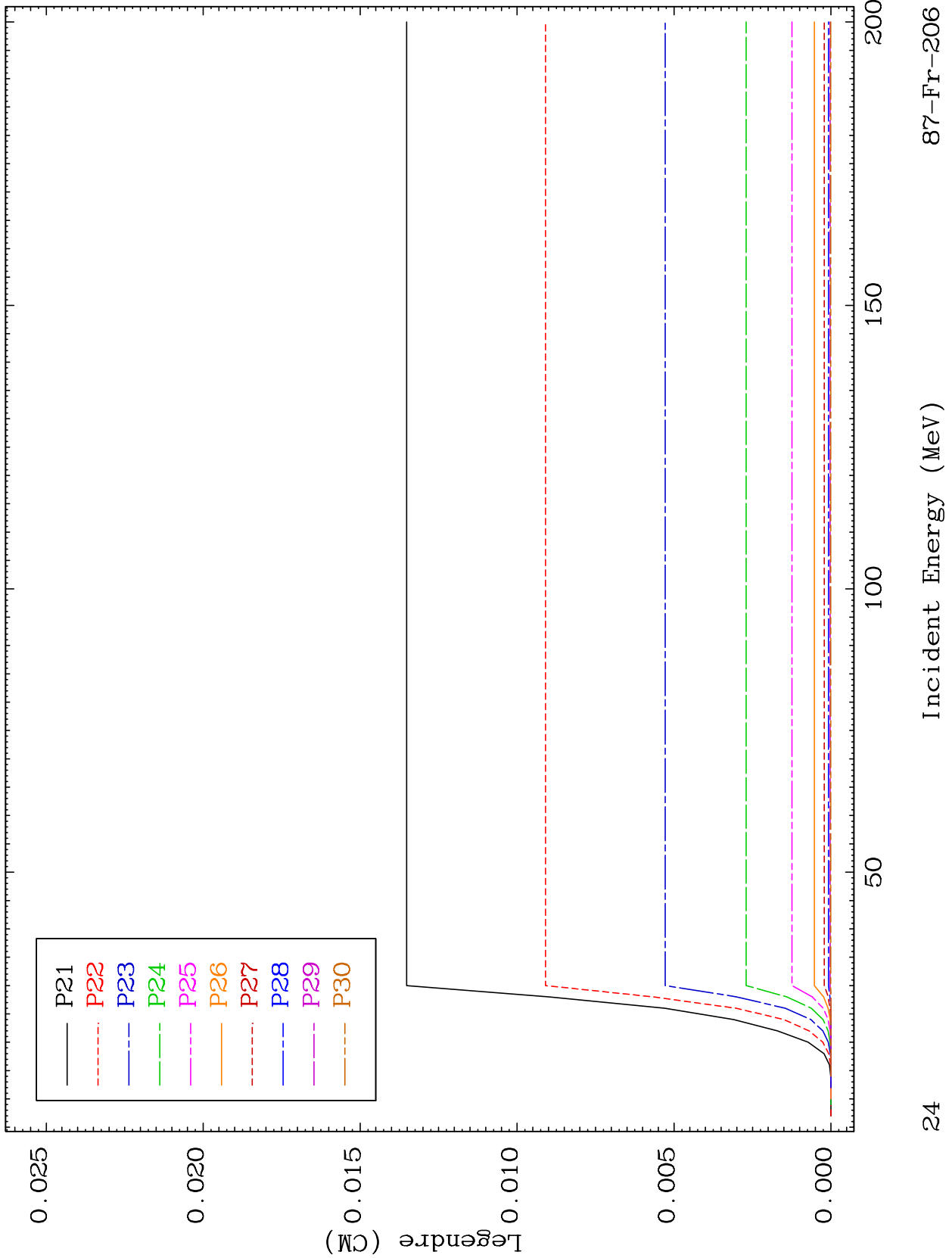
87-Fr-206



23

Incident Energy (MeV)

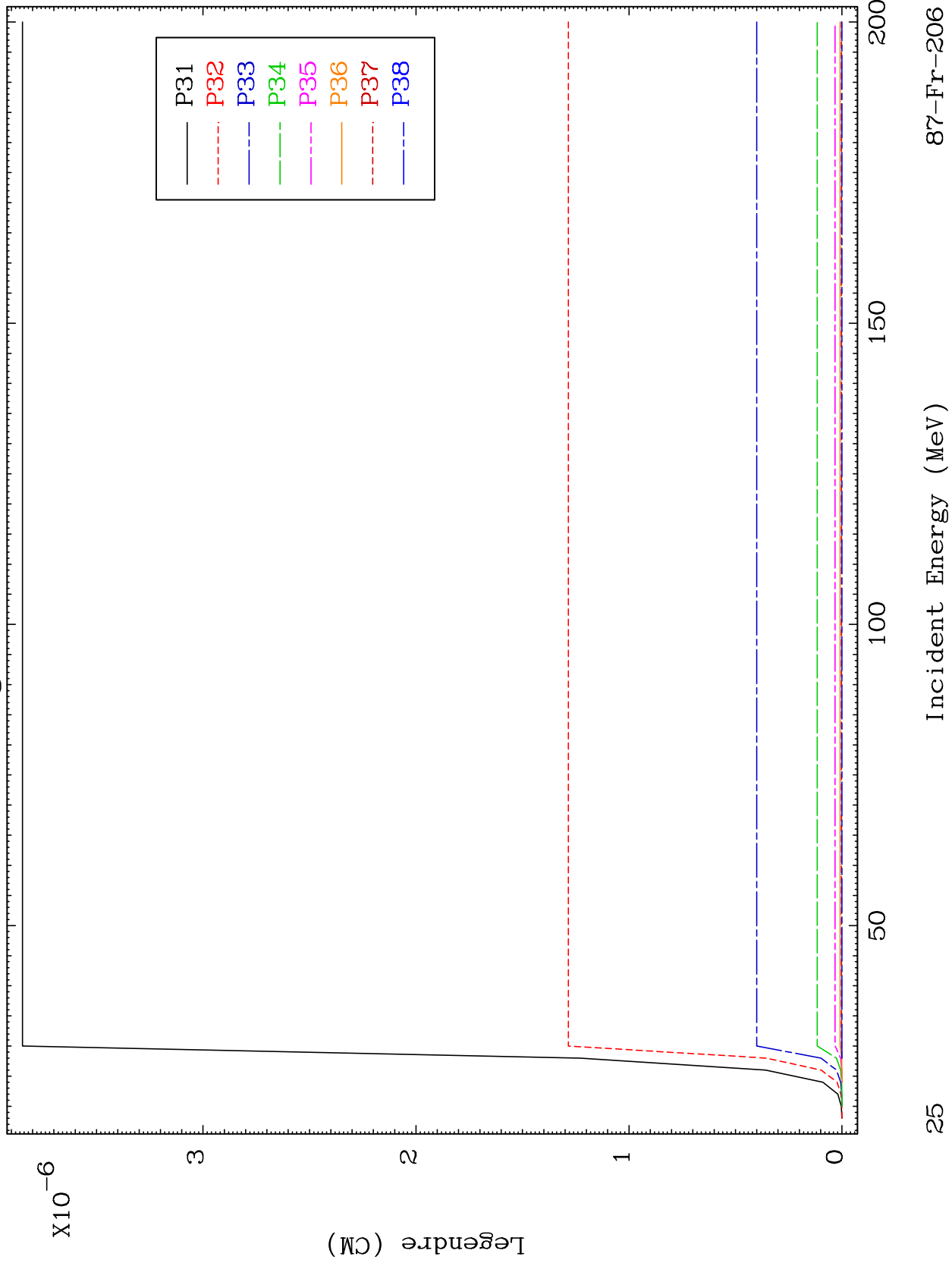
87-Fr-206



MAT 8707

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

87-Fr-206



87-Fr-206

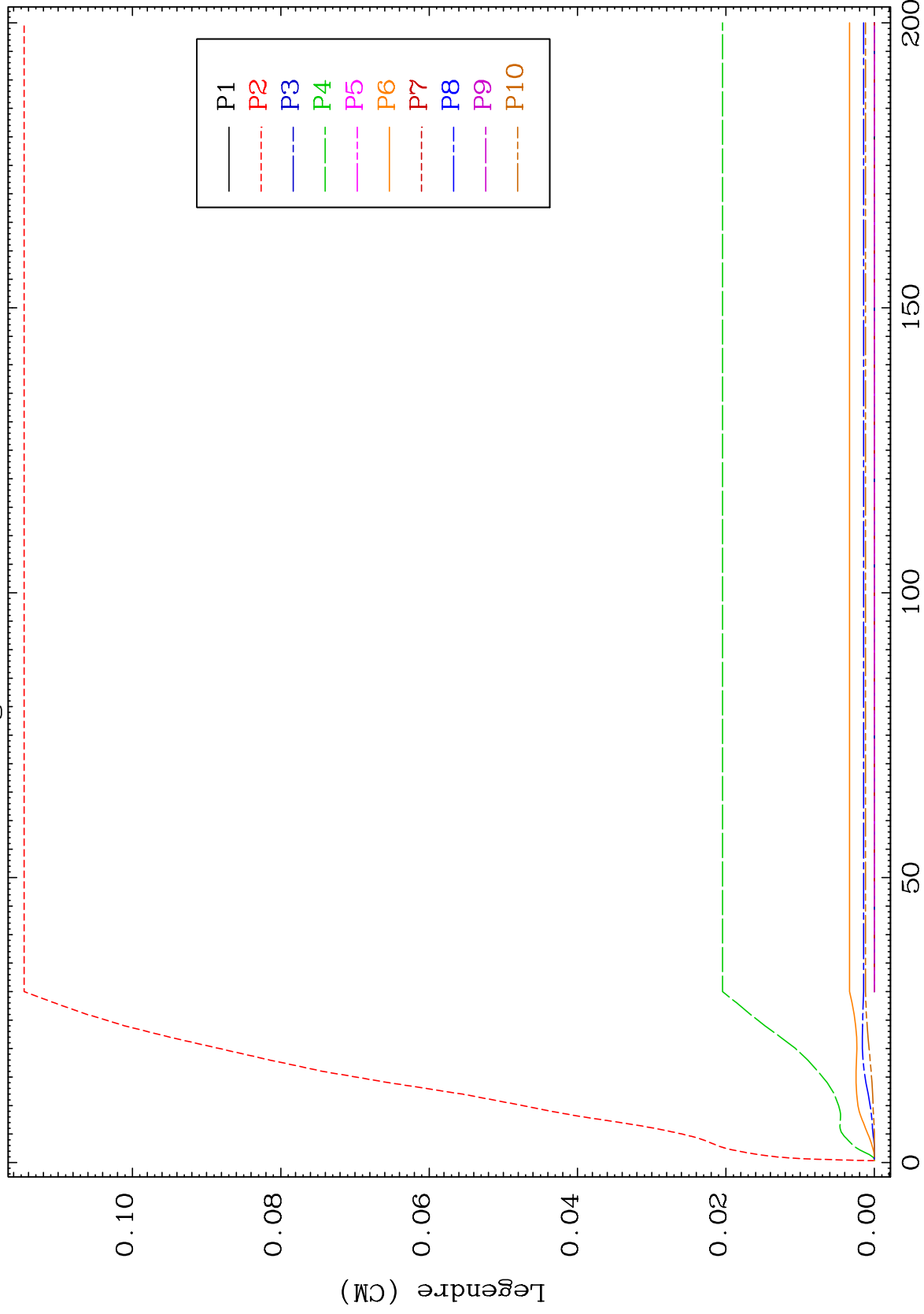
Incident Energy (MeV)

25

MAT 8707

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

87-Fr-206



87-Fr-206

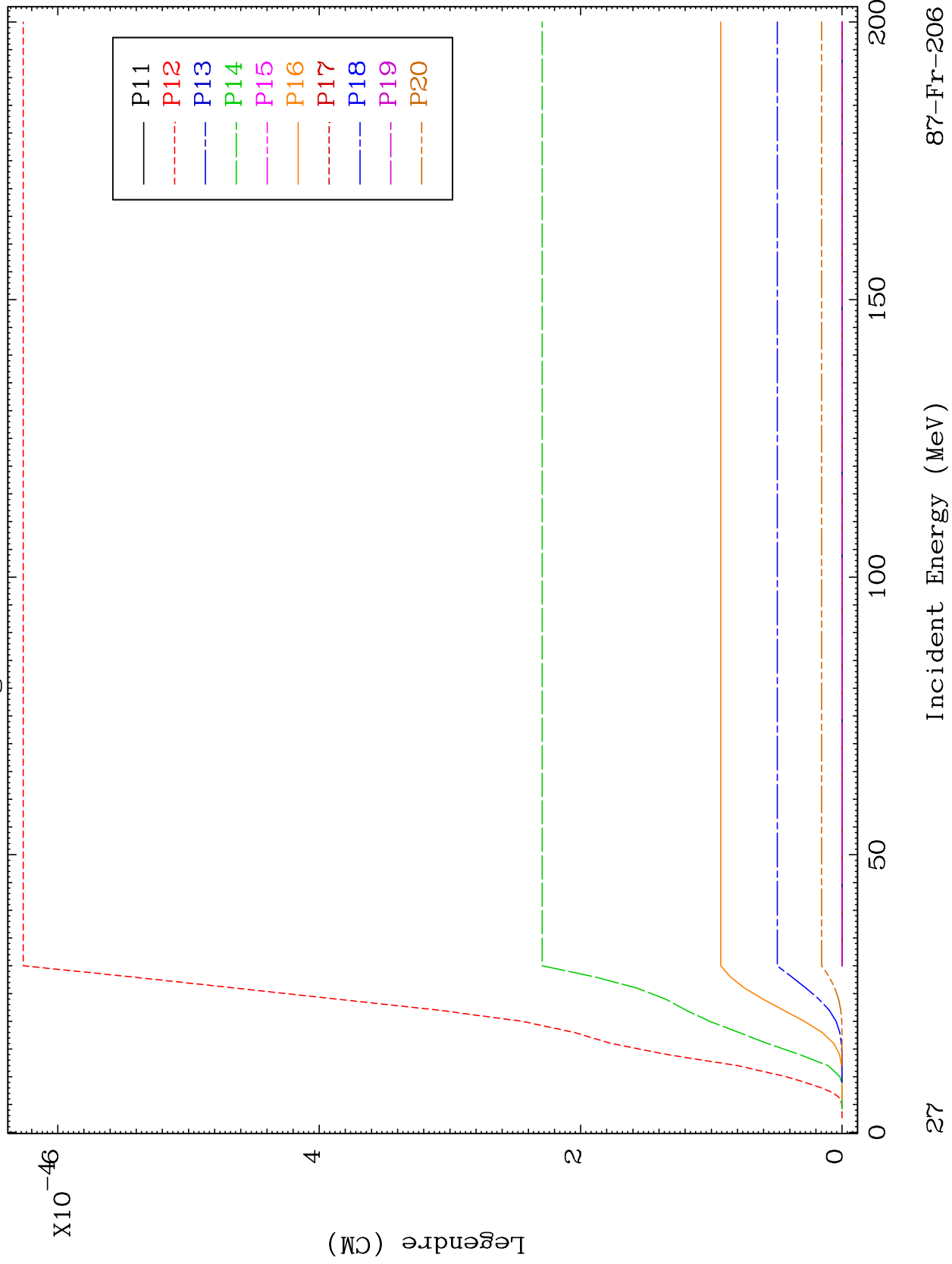
Incident Energy (MeV)

26

MAT 8707

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

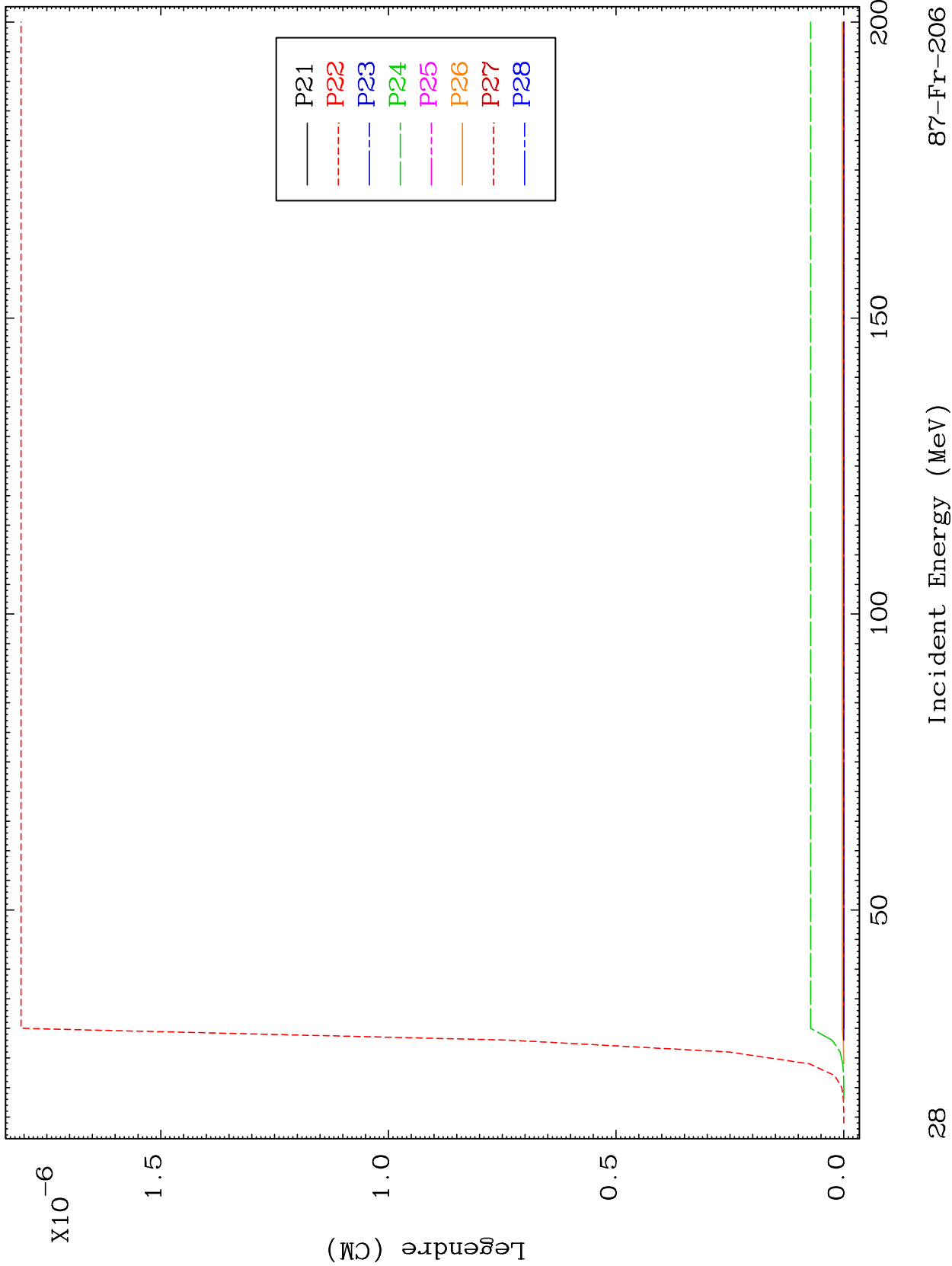
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MAT 8707

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

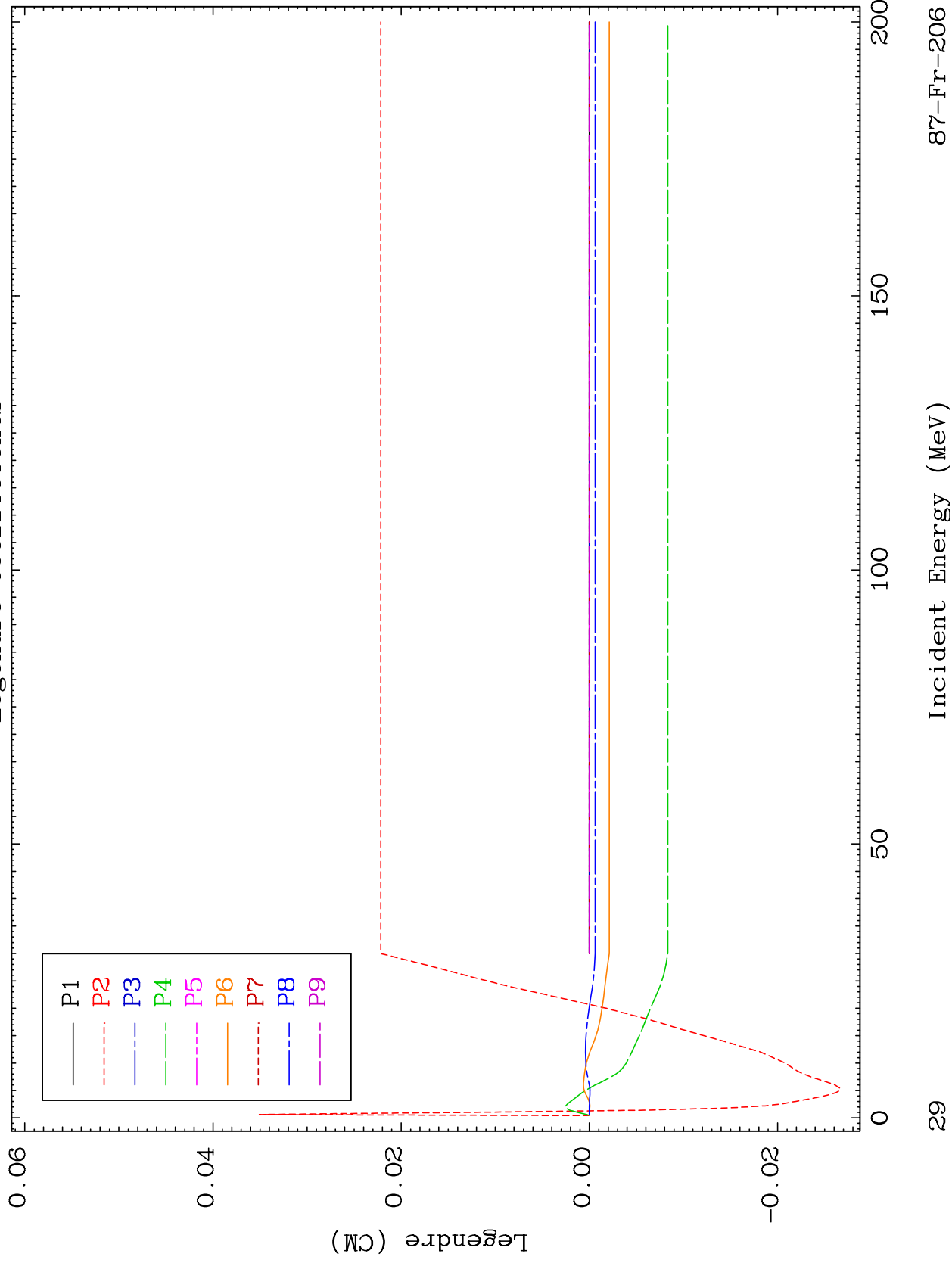
87-Fr-206



MAT 8707

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

87-Fr-206



29

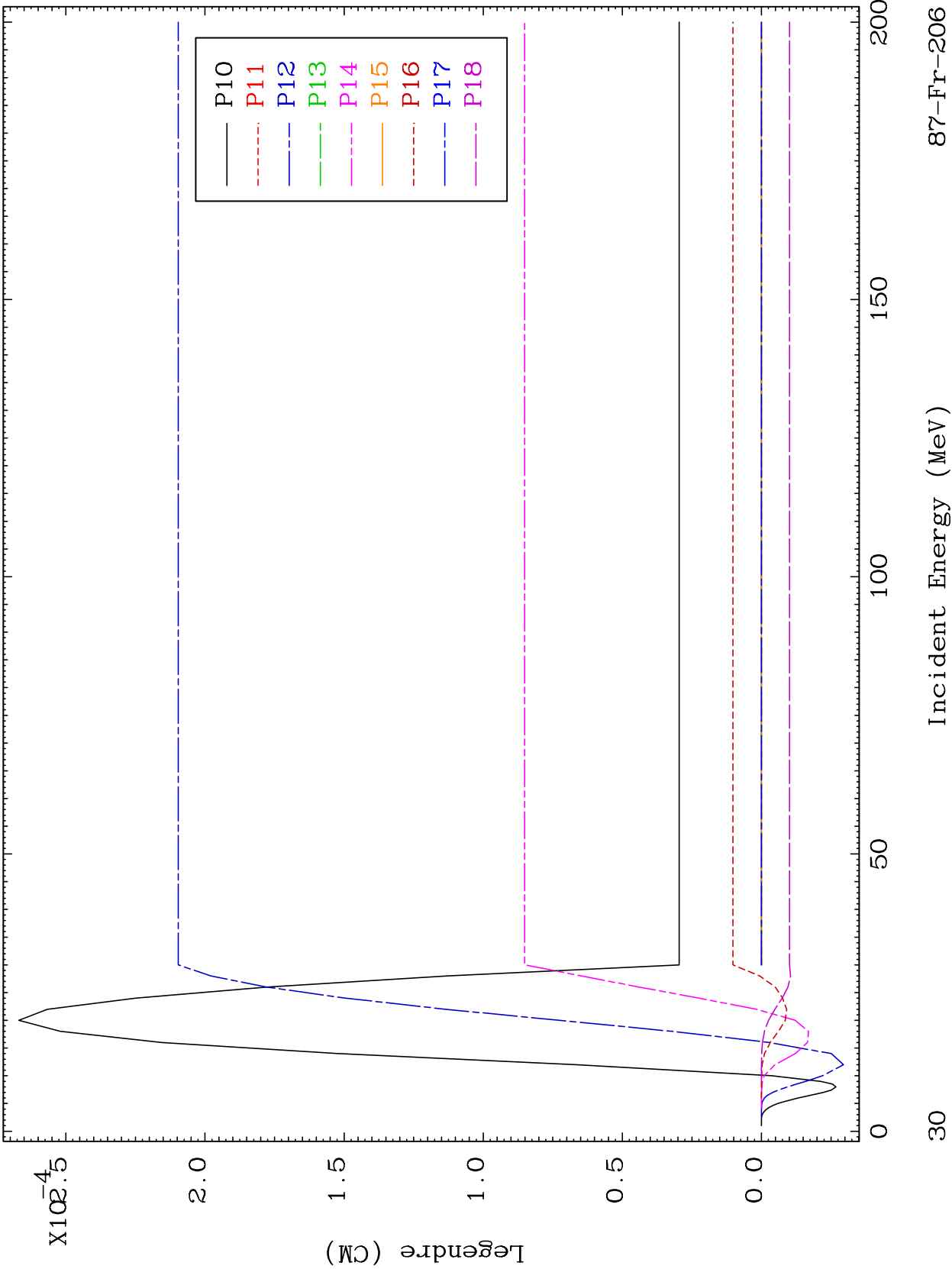
Incident Energy (MeV)

87-Fr-206

MAT 8707

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

87-Fr-206



87-Fr-206

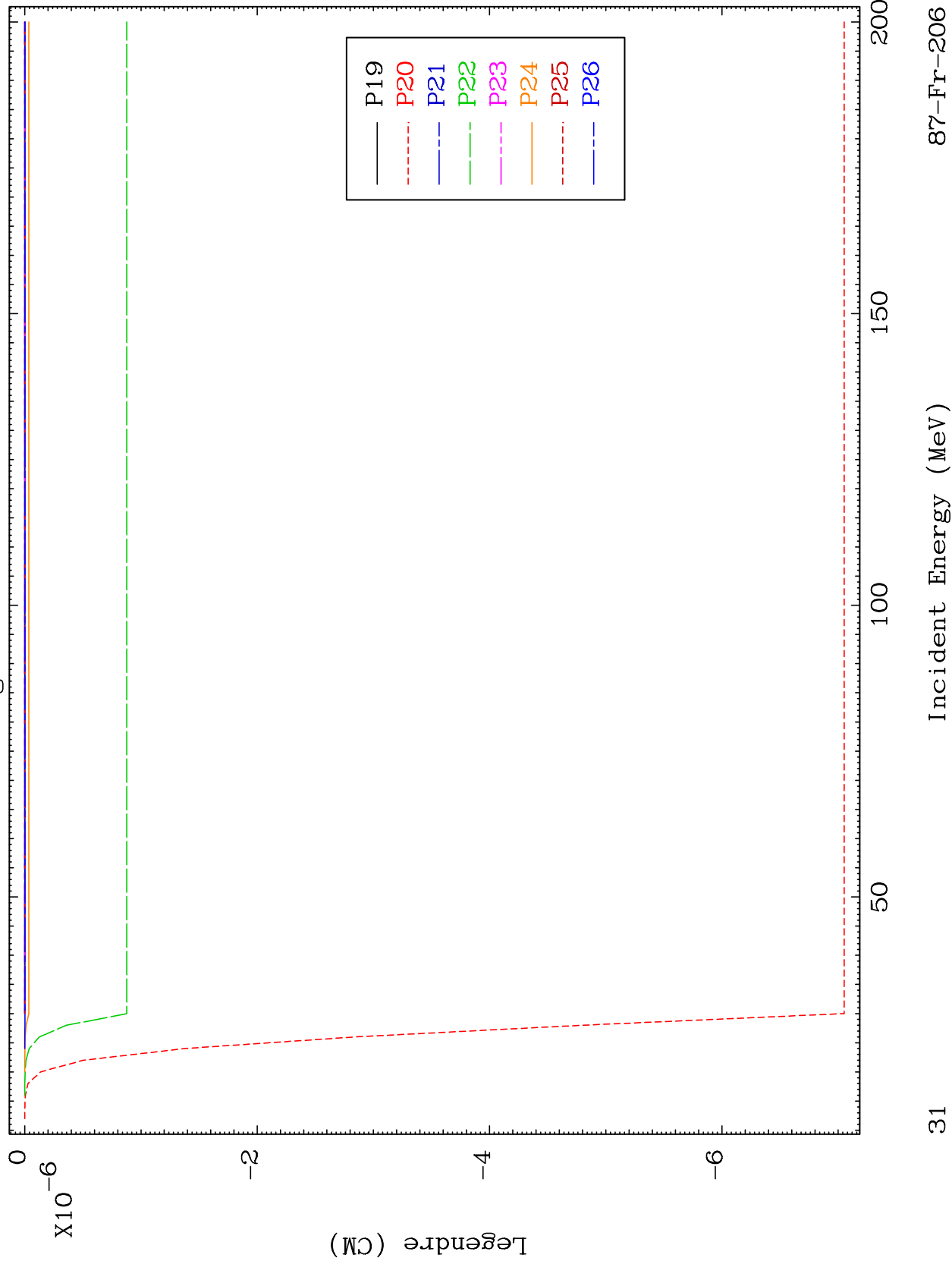
Incident Energy (MeV)

30

MAT 8707

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

87-Fr-206



31

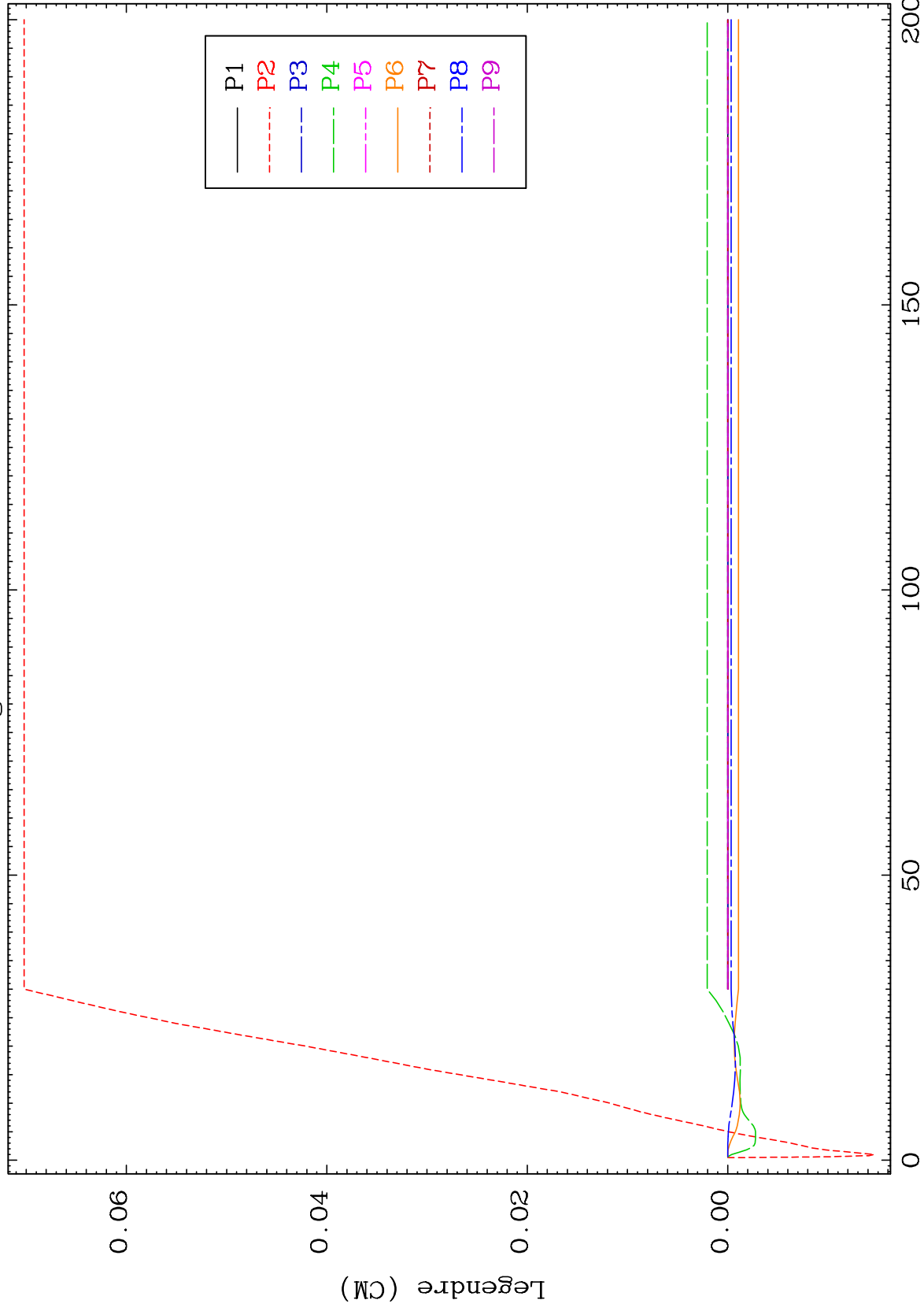
Incident Energy (MeV)

87-Fr-206

MAT 8707

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

87-Fr-206



32

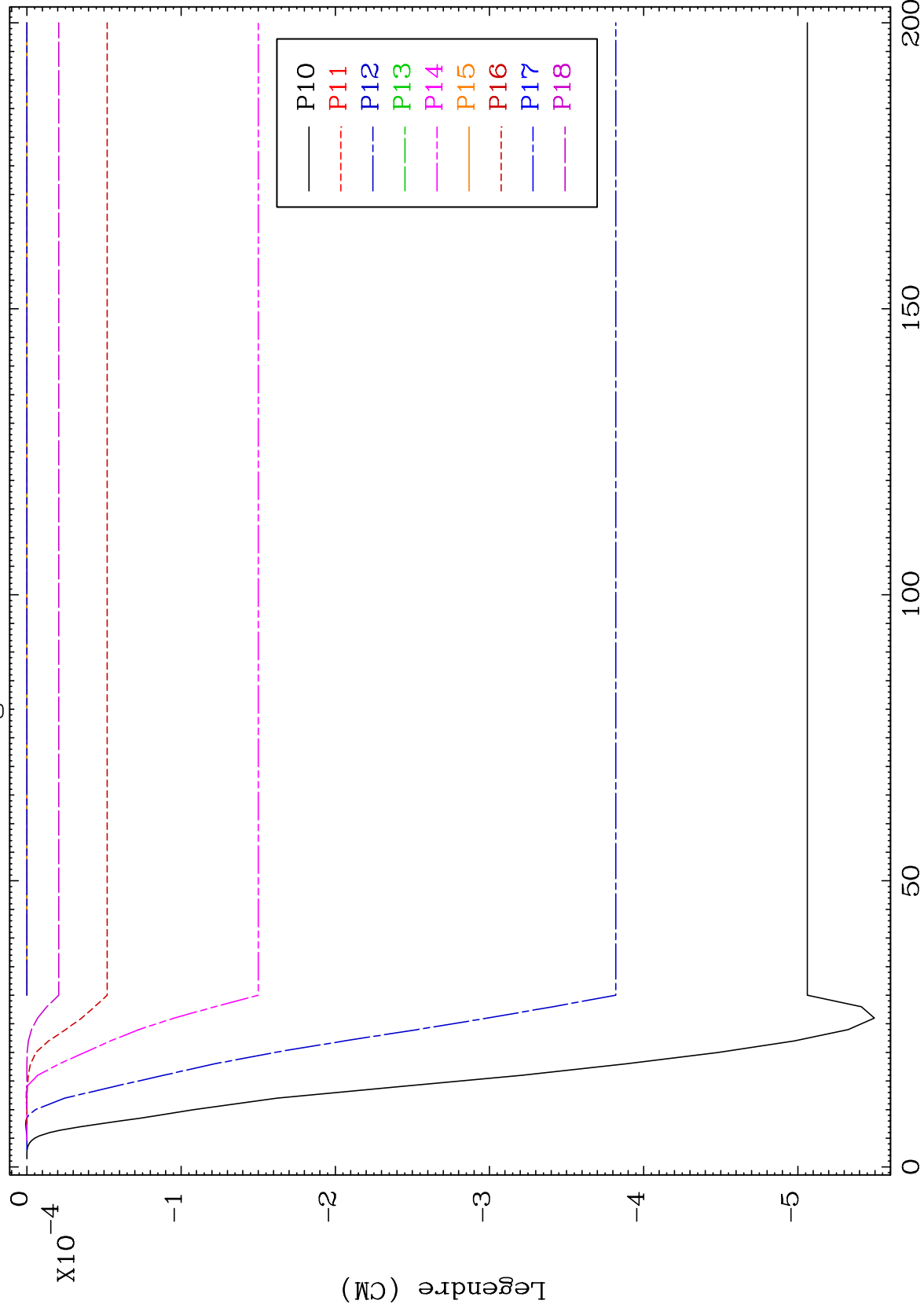
Incident Energy (MeV)

87-Fr-206

MAT 8707

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

87-Fr-206



33

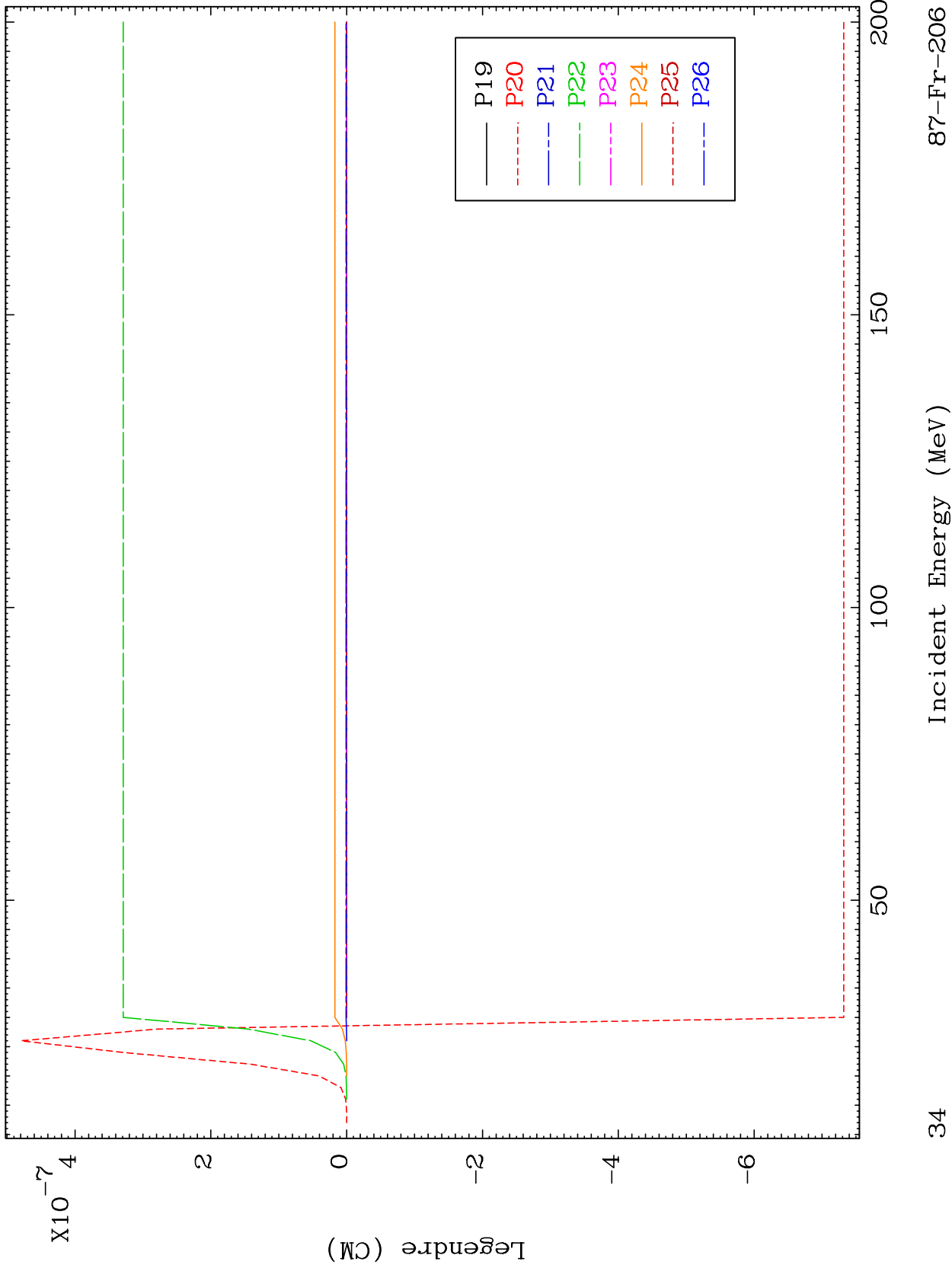
Incident Energy (MeV)

87-Fr-206

MAT 8707

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

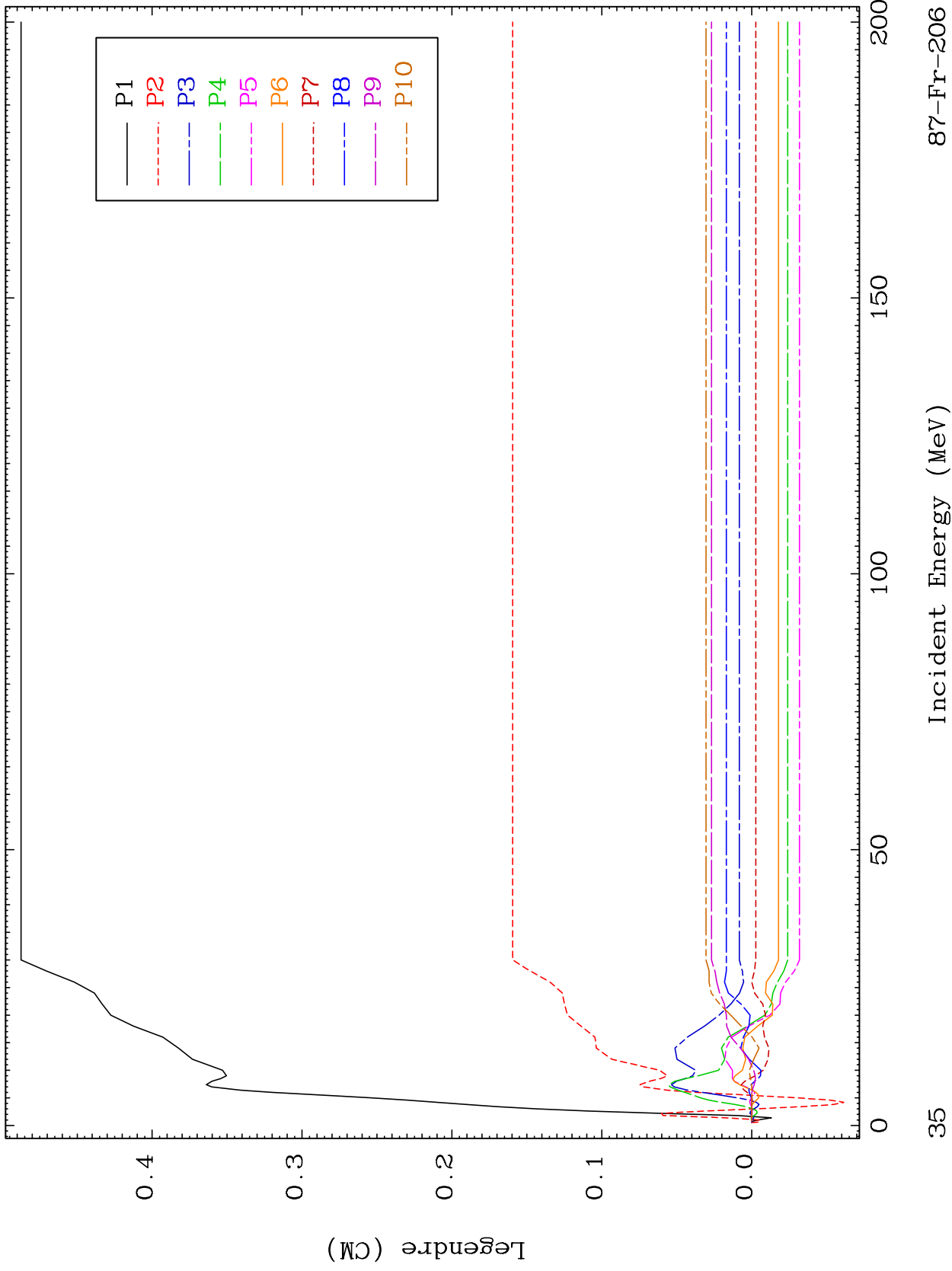
87-Fr-206



MAT 8707

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

87-Fr-206



87-Fr-206

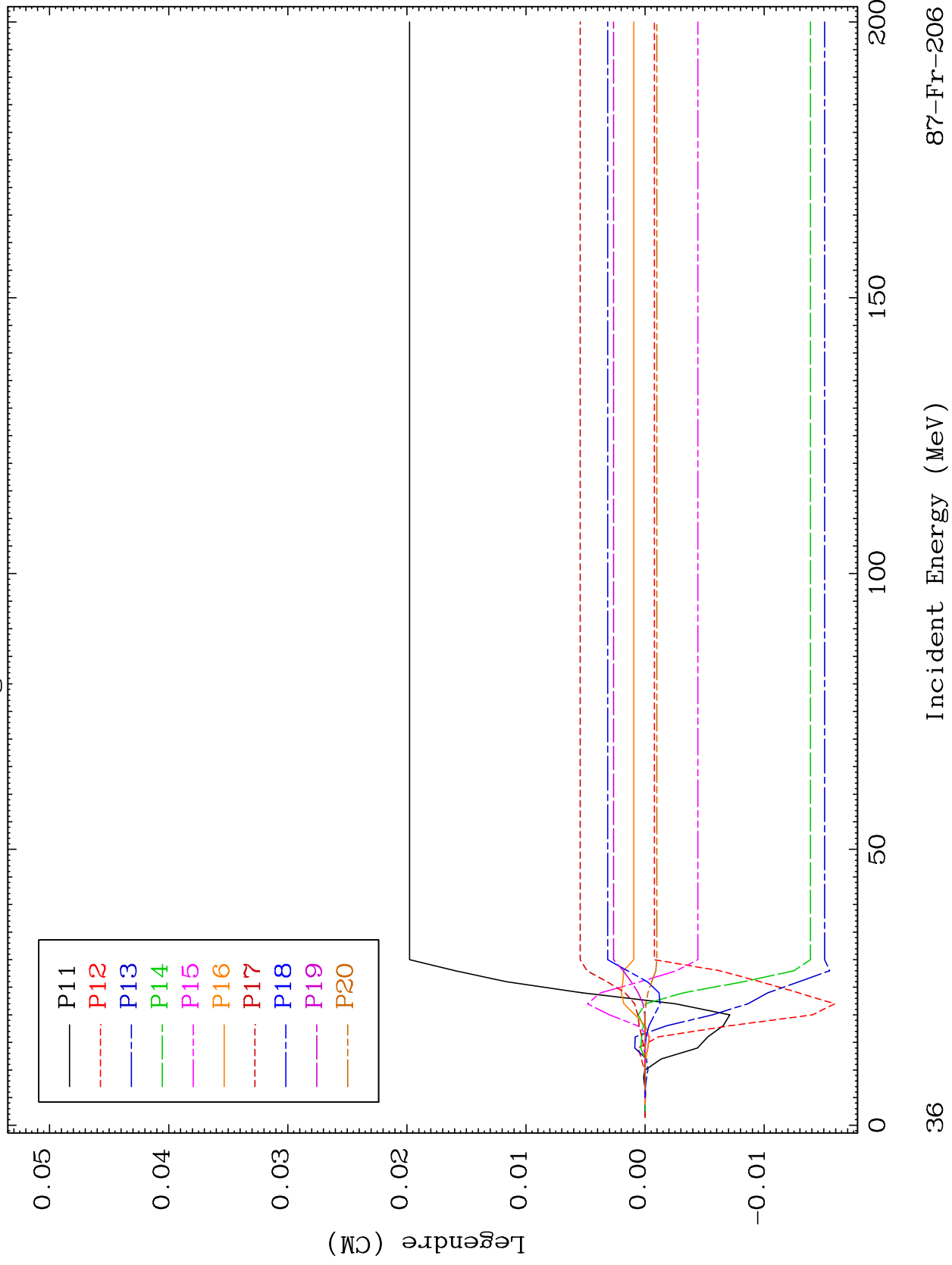
Incident Energy (MeV)

35

MAT 8707

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

87-Fr-206

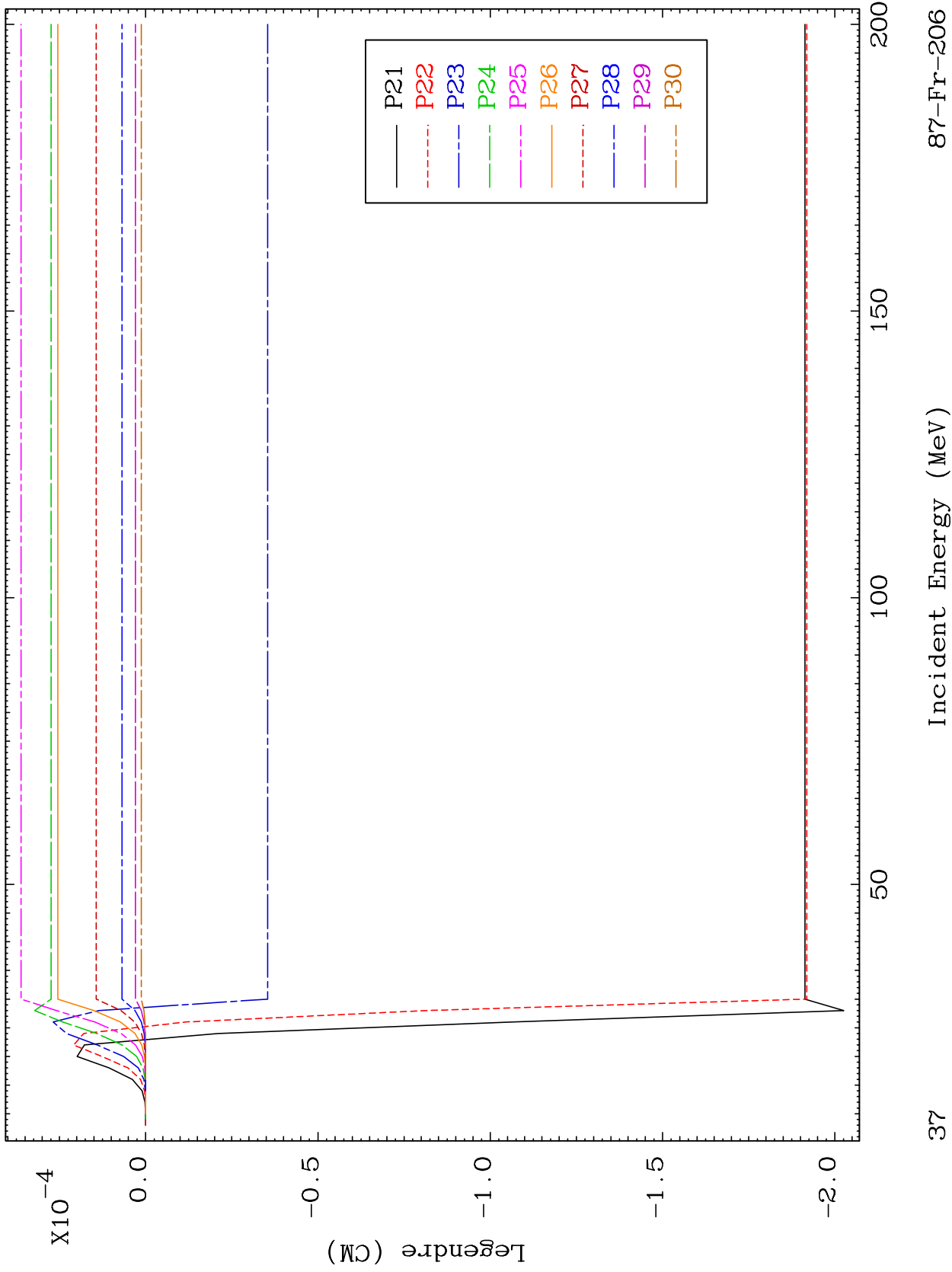


36

MAT 8707

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

87-Fr-206



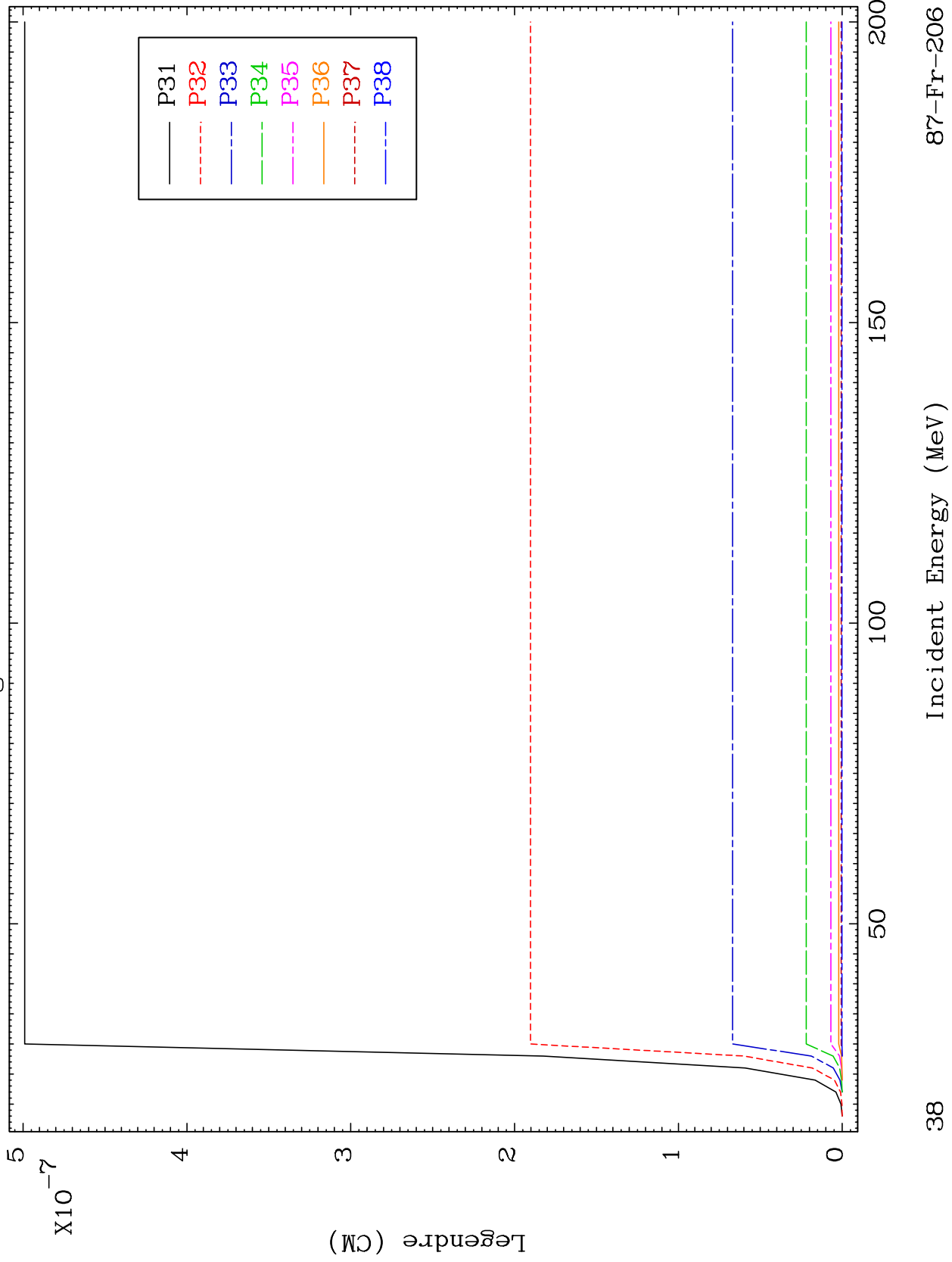
37

87-Fr-206

MAT 8707

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

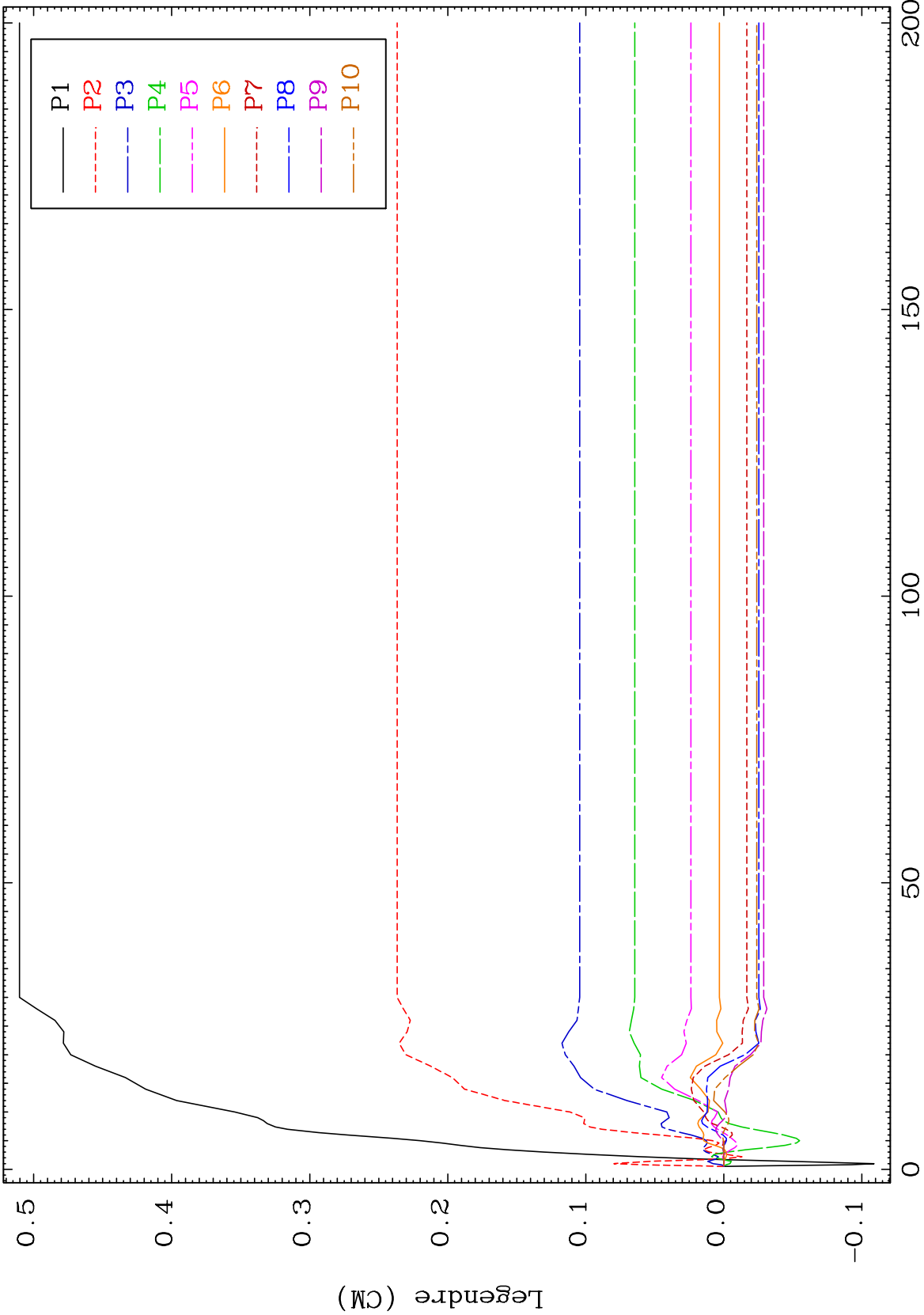
87-Fr-206



MAT 8707

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

87-Fr-206



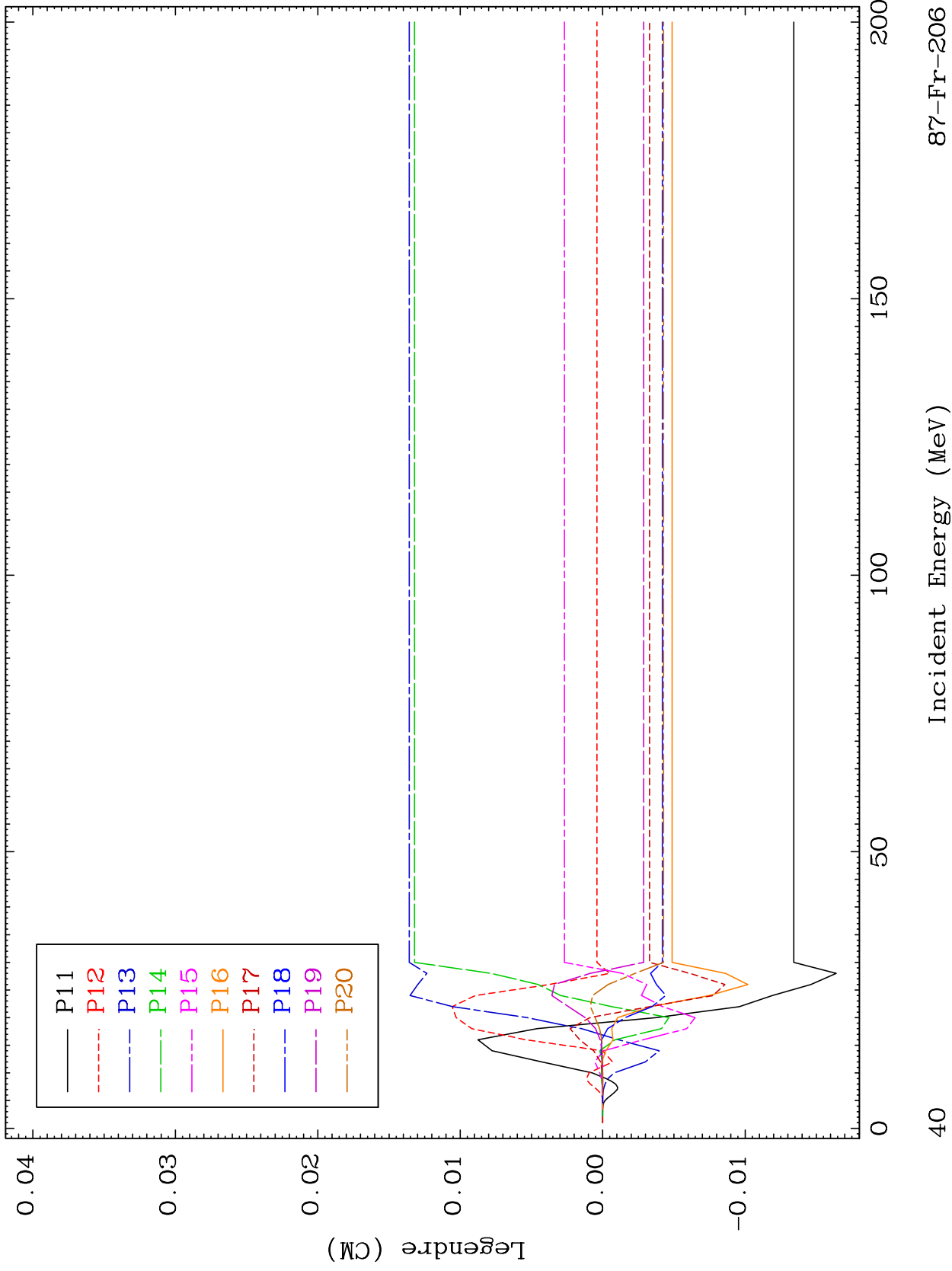
39

87-Fr-206

MAT 8707

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

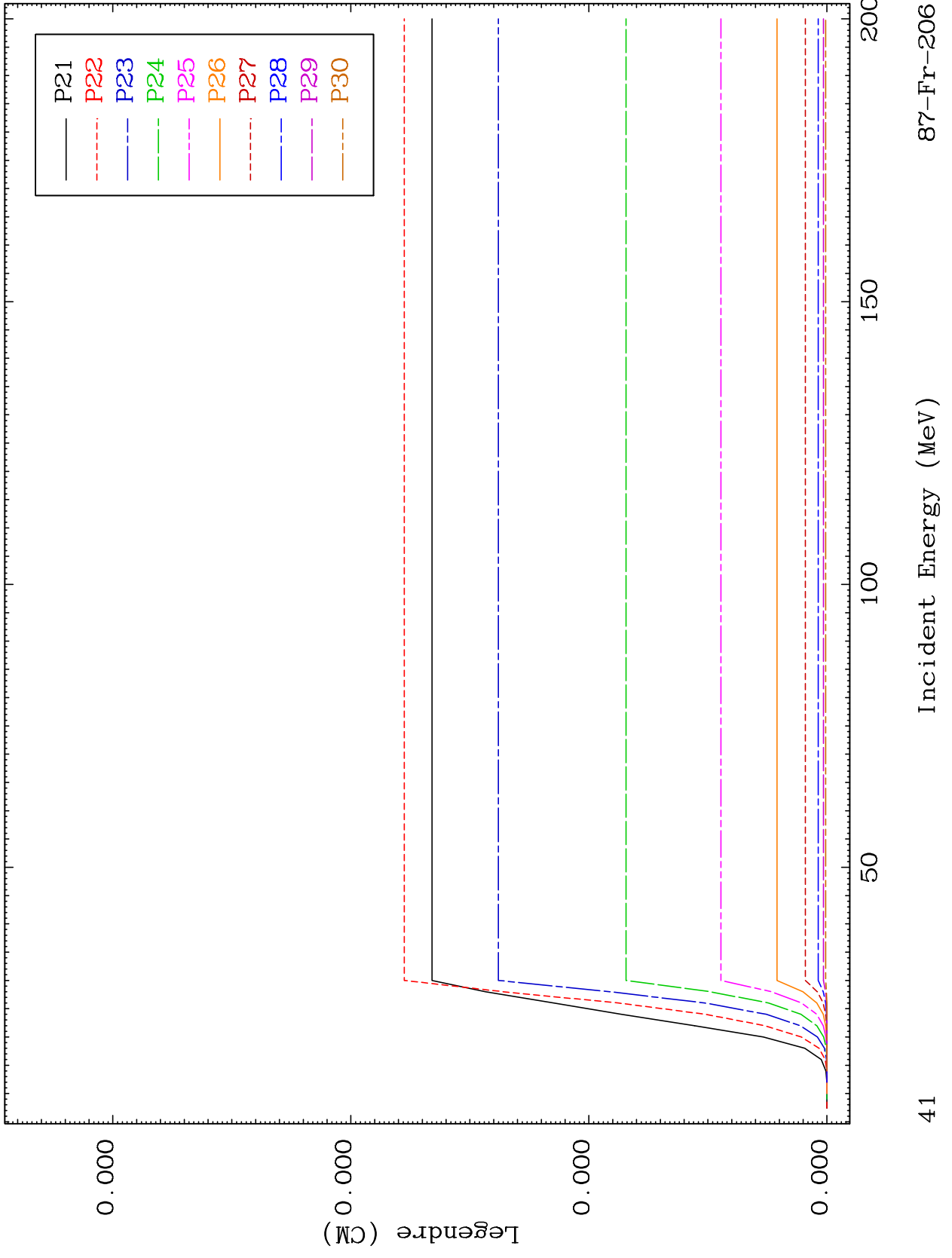
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MAT 8707

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

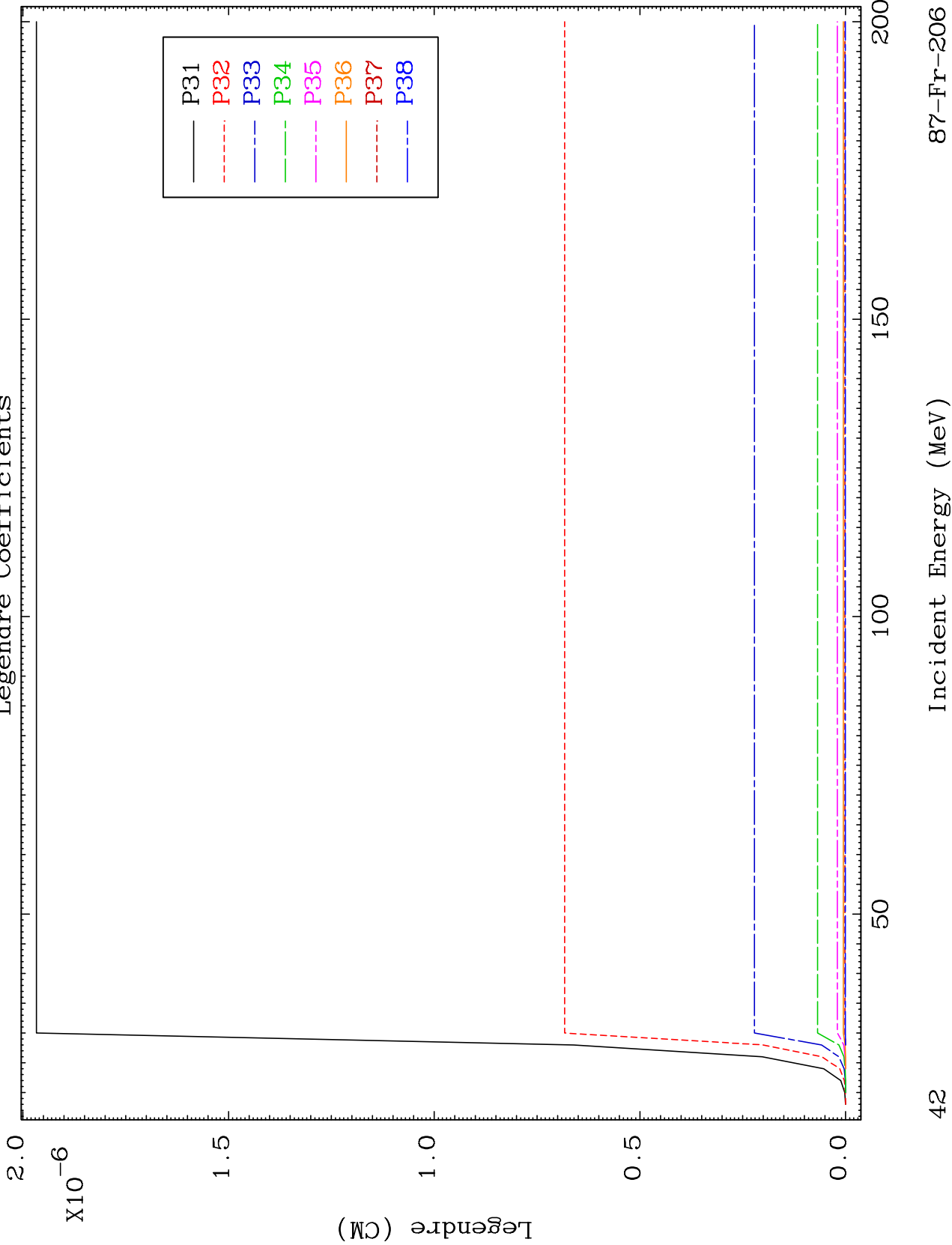
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MAT 8707

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

87-Fr-206



42

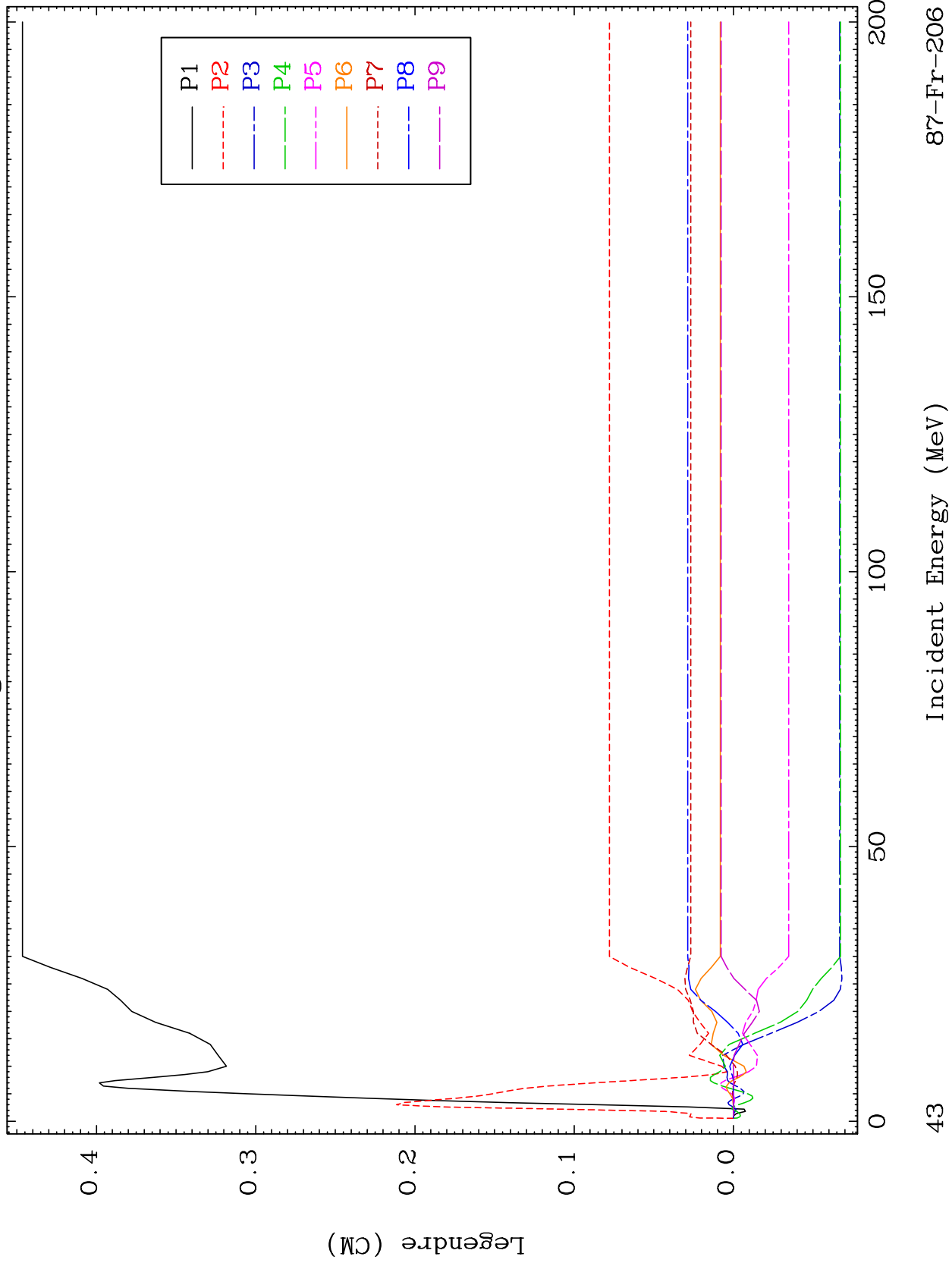
Incident Energy (MeV)

87-Fr-206

MAT 8707

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

87-Fr-206



43

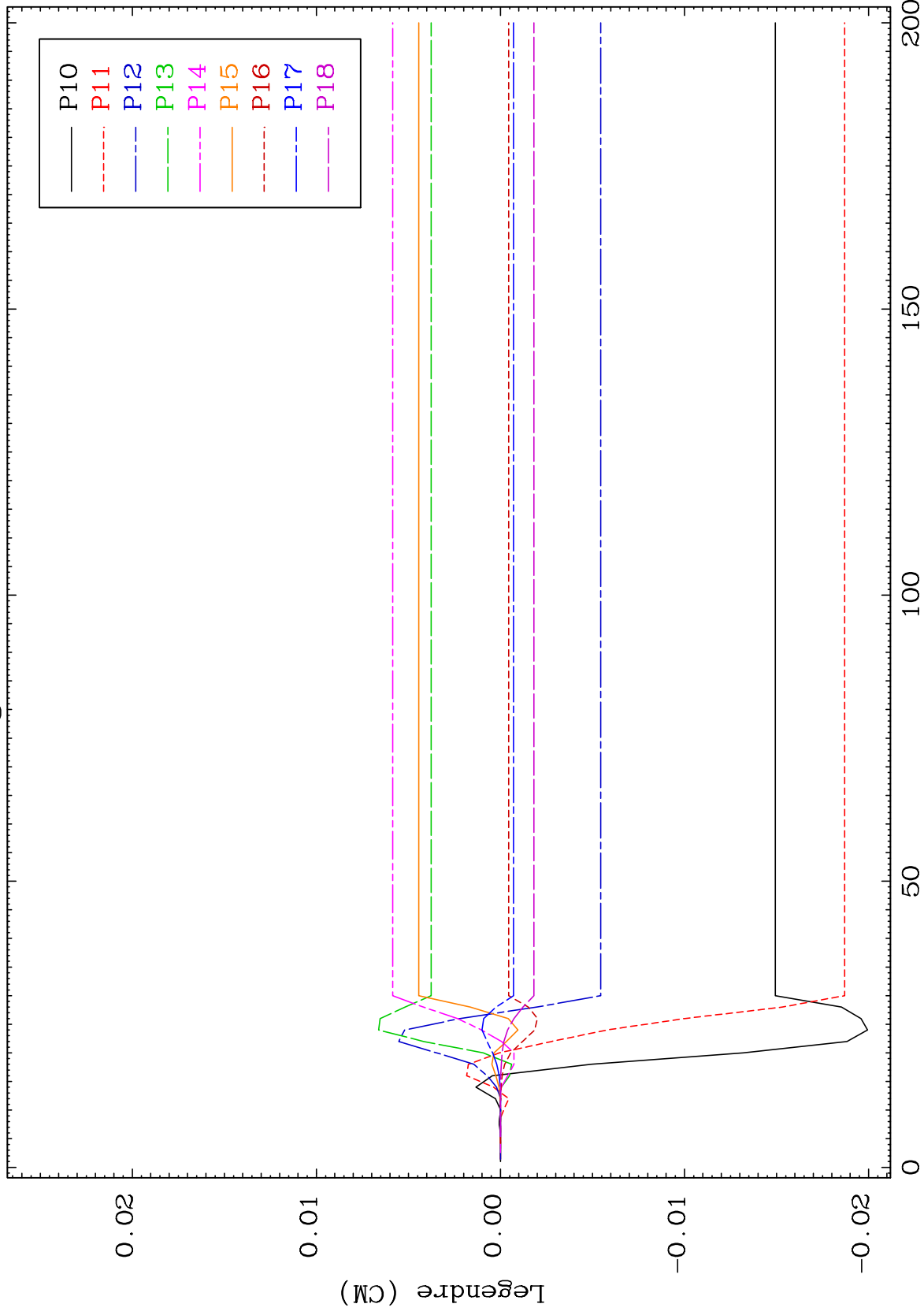
Incident Energy (MeV)

87-Fr-206

MAT 8707

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

87-Fr-206



44

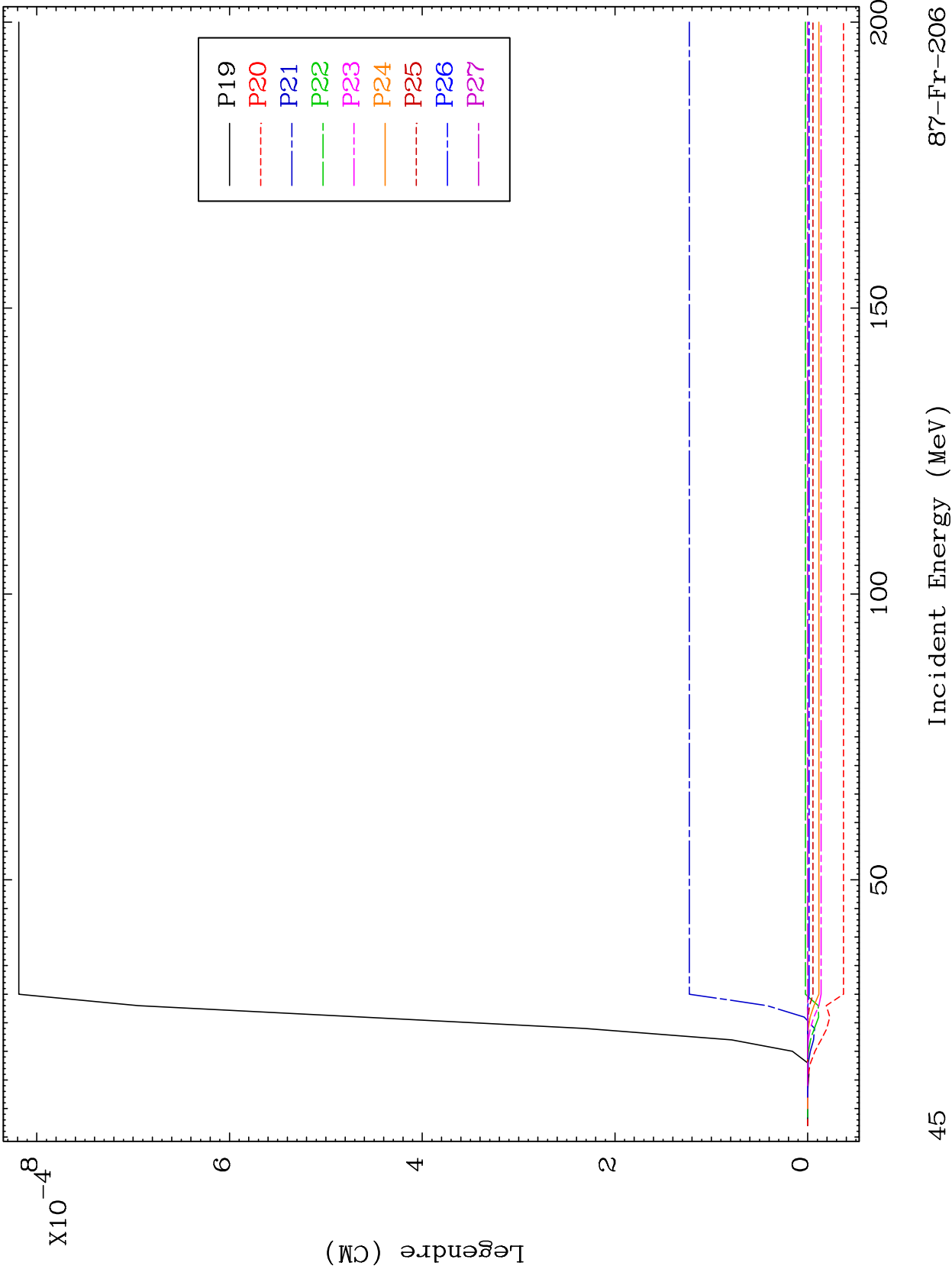
Incident Energy (MeV)

87-Fr-206

MAT 8707

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

87-Fr-206



45

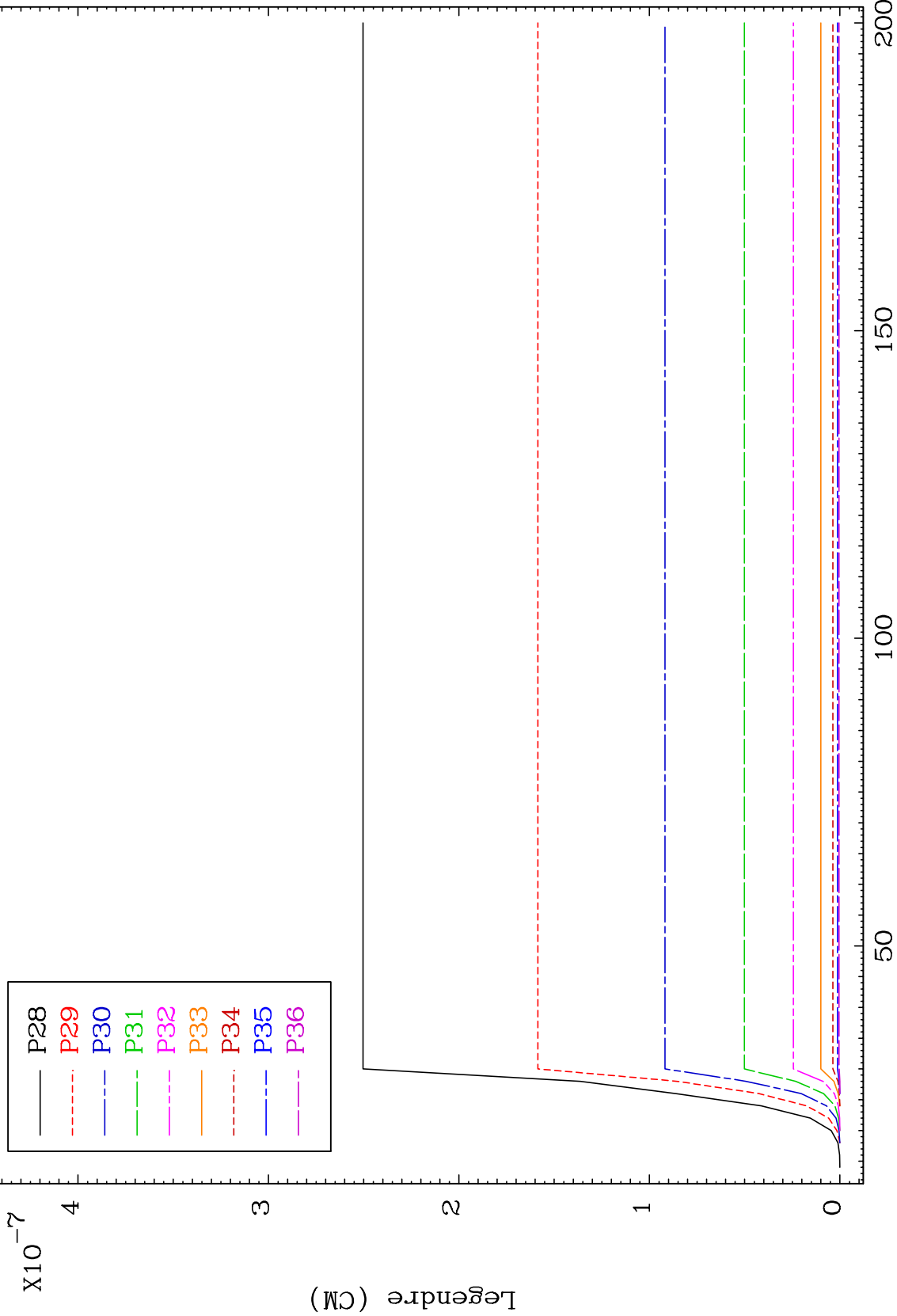
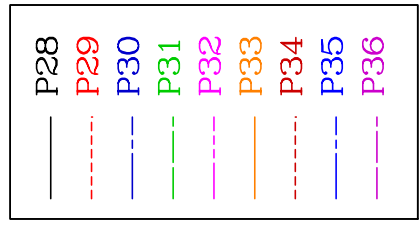
Incident Energy (MeV)

87-Fr-206

MAT 8707

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

87-Fr-206



46

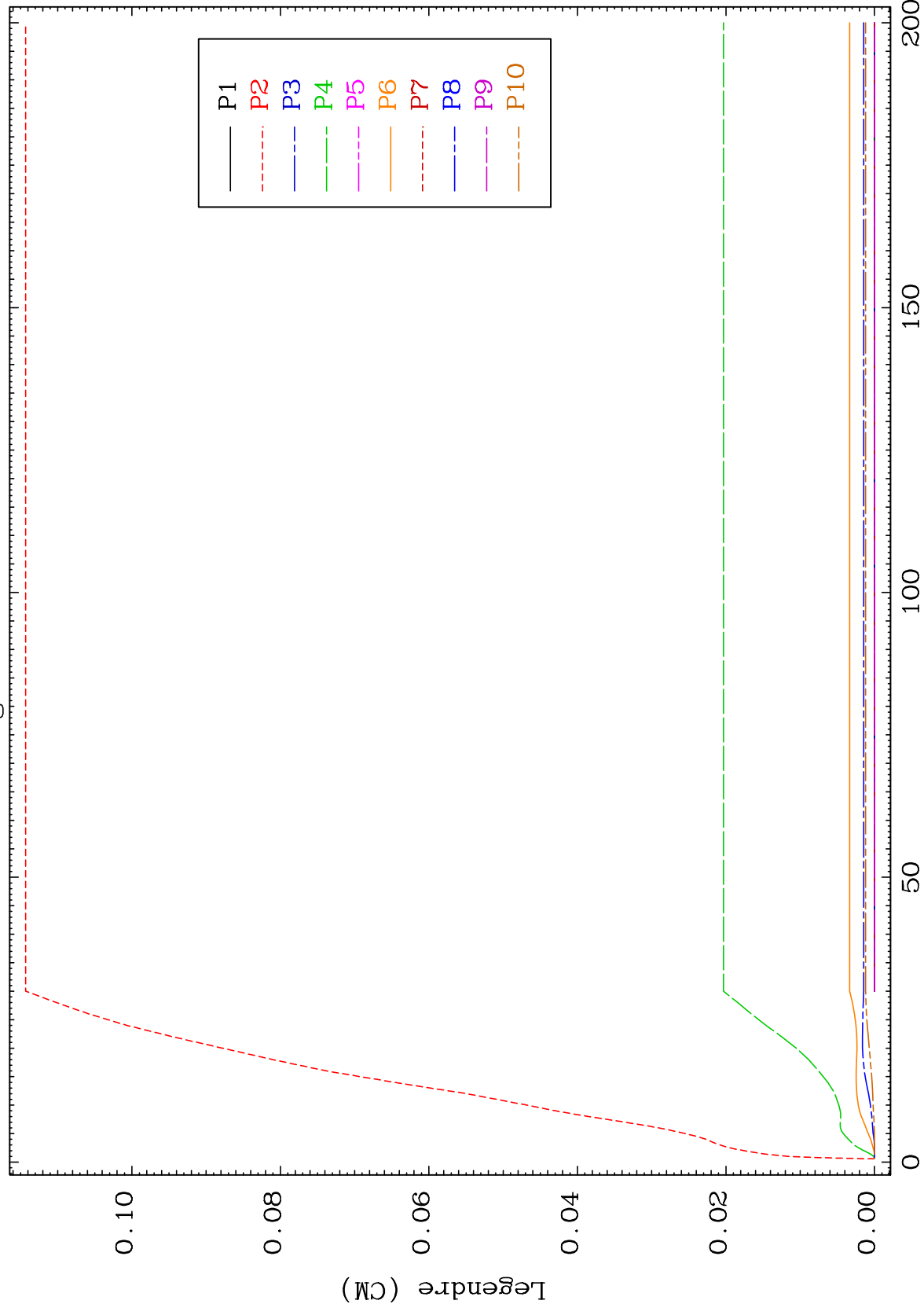
Incident Energy (MeV)

87-Fr-206

MAT 8707

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

87-Fr-206



87-Fr-206

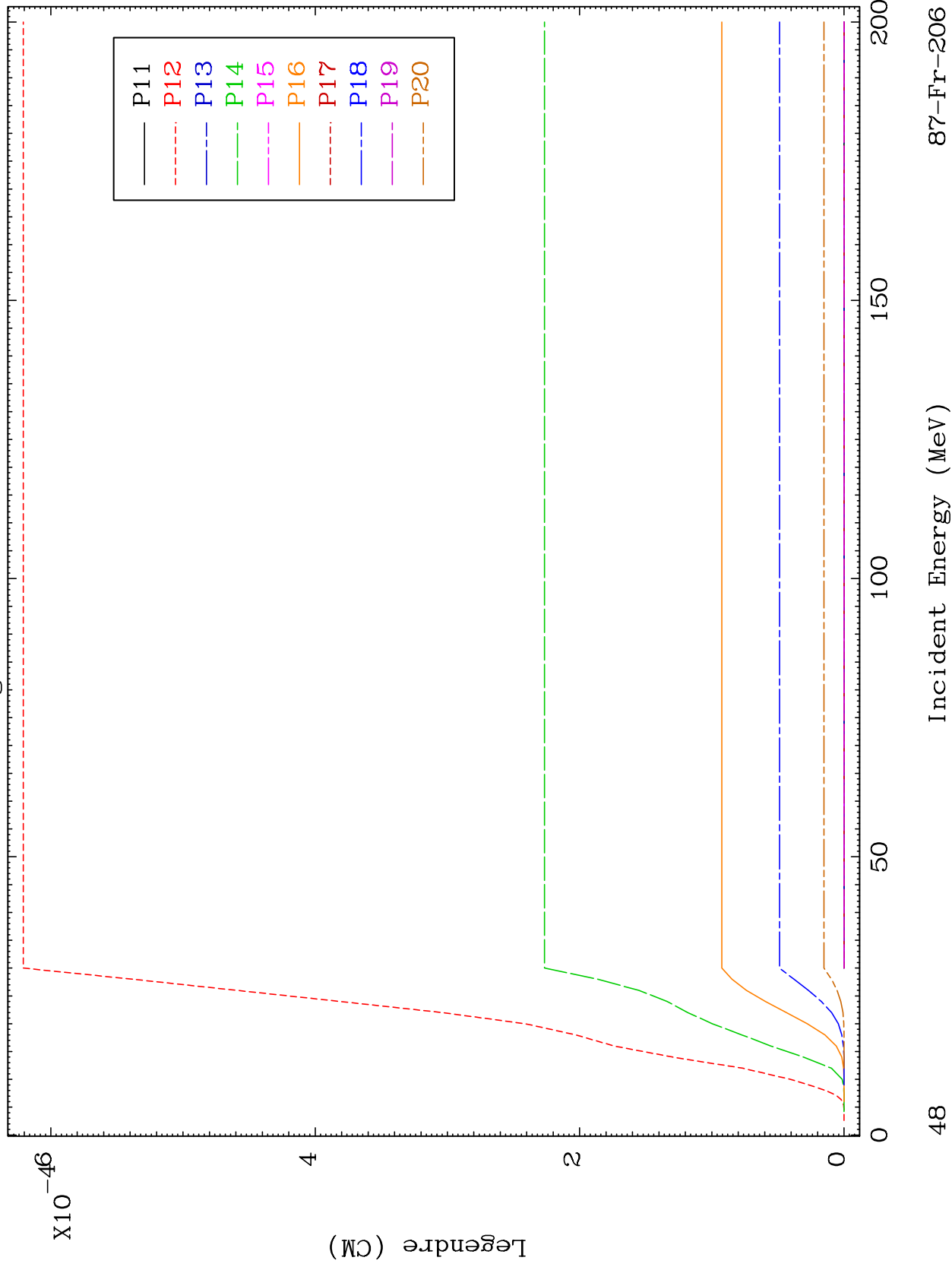
Incident Energy (MeV)

47

MAT 8707

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

87-Fr-206



48

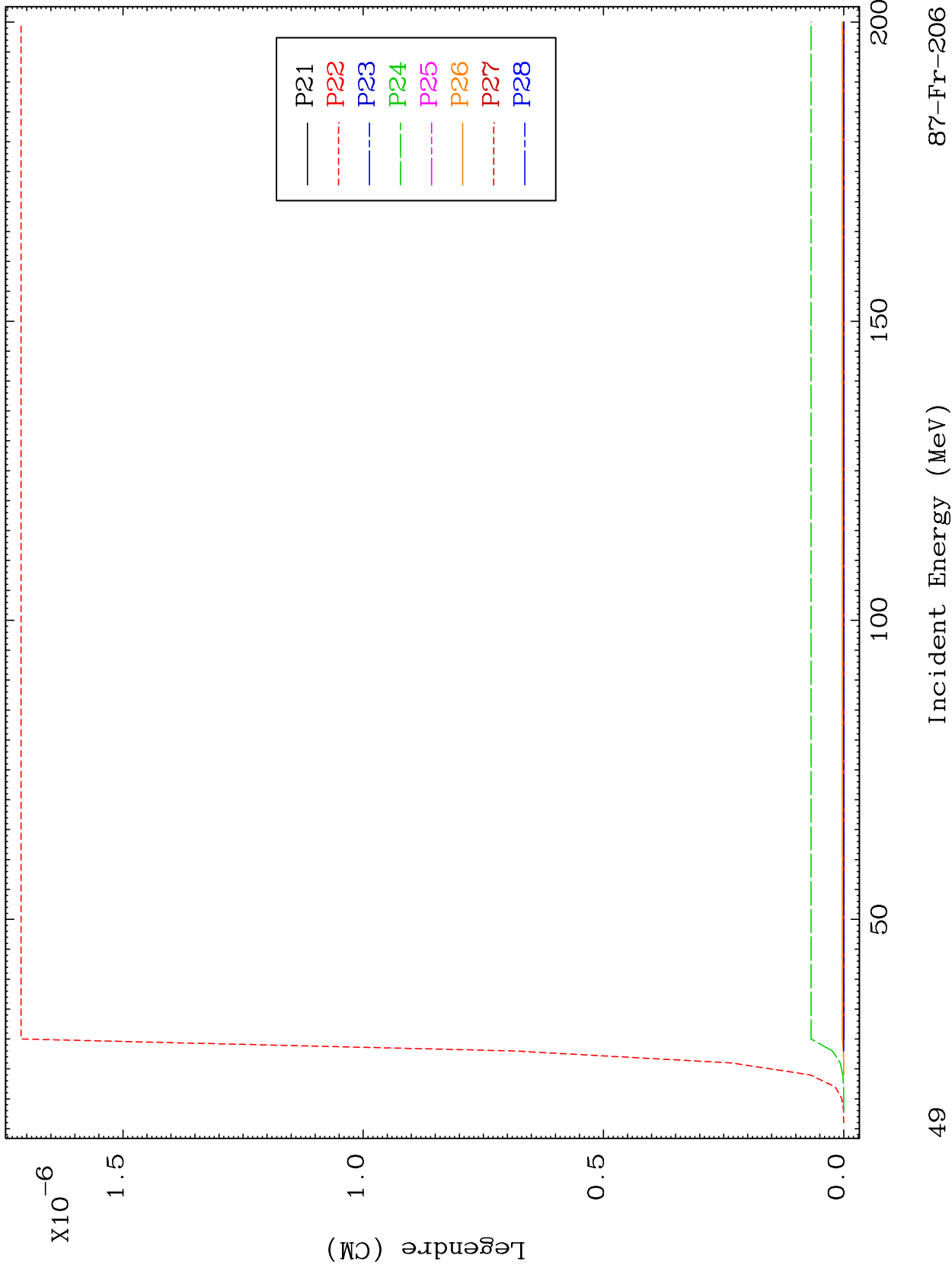
Incident Energy (MeV)

87-Fr-206

MAT 8707

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

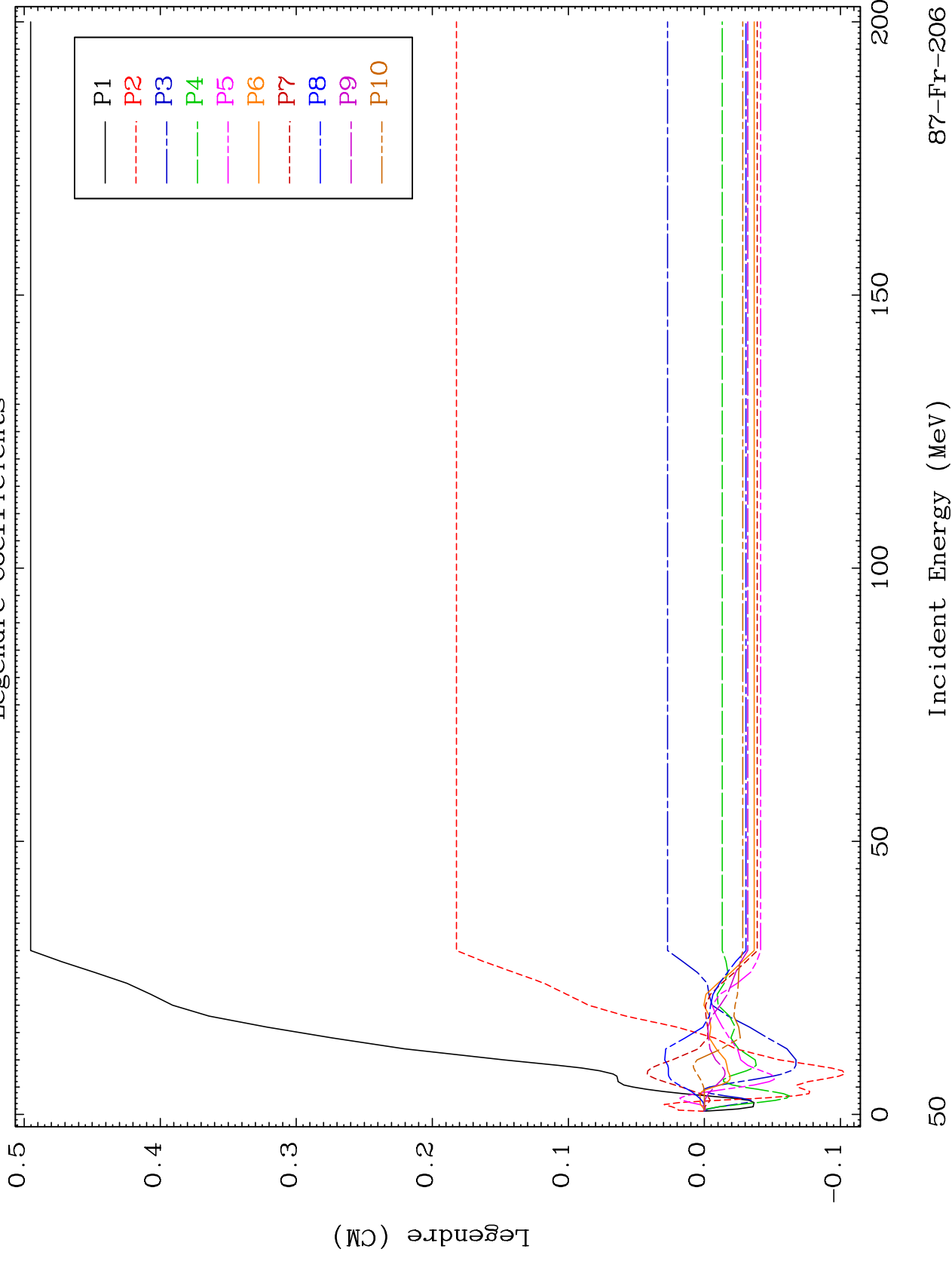
87-Fr-206



MAT 8707

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

87-Fr-206



87-Fr-206

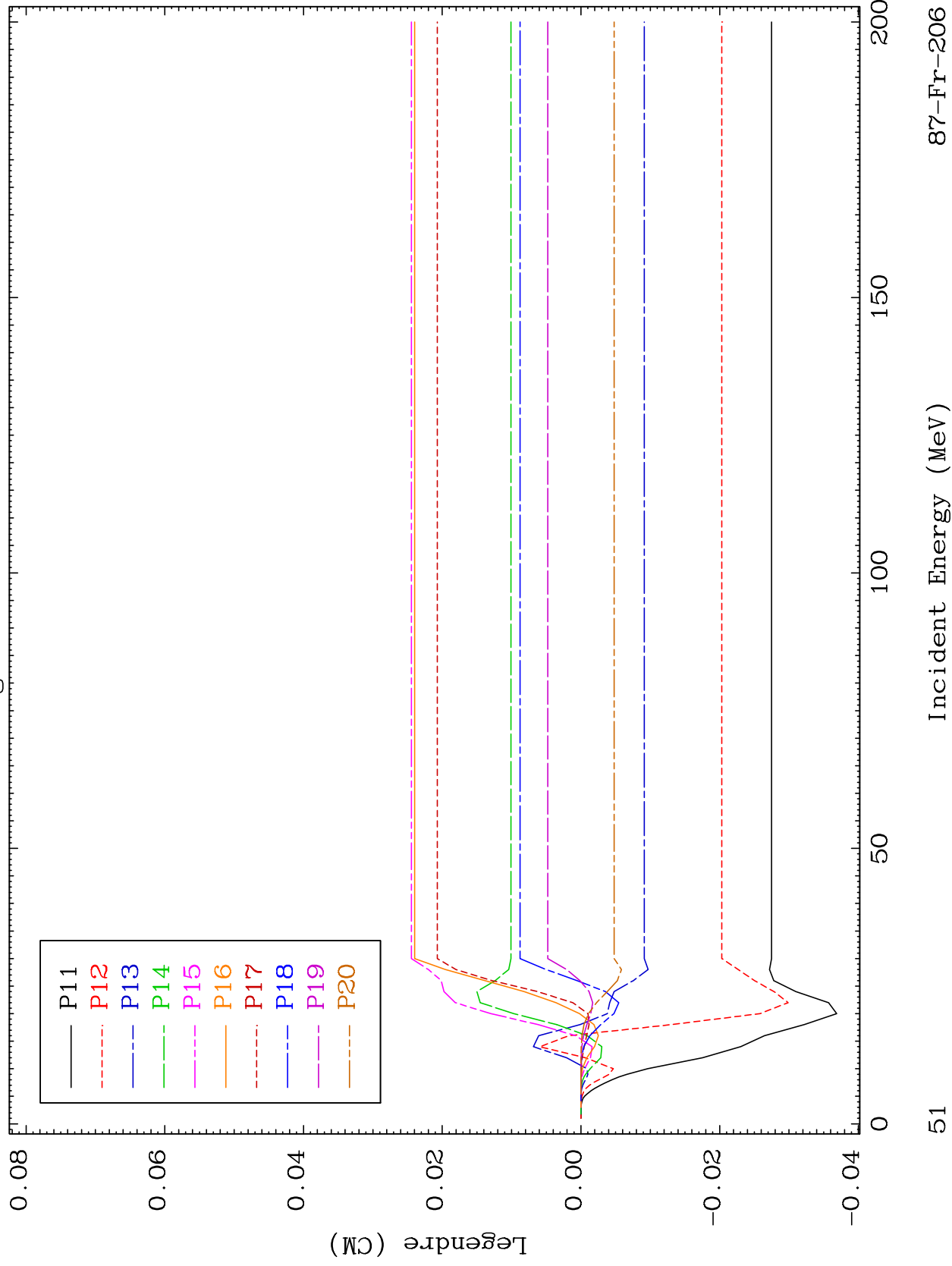
Incident Energy (MeV)

50

MAT 8707

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

87-Fr-206



51

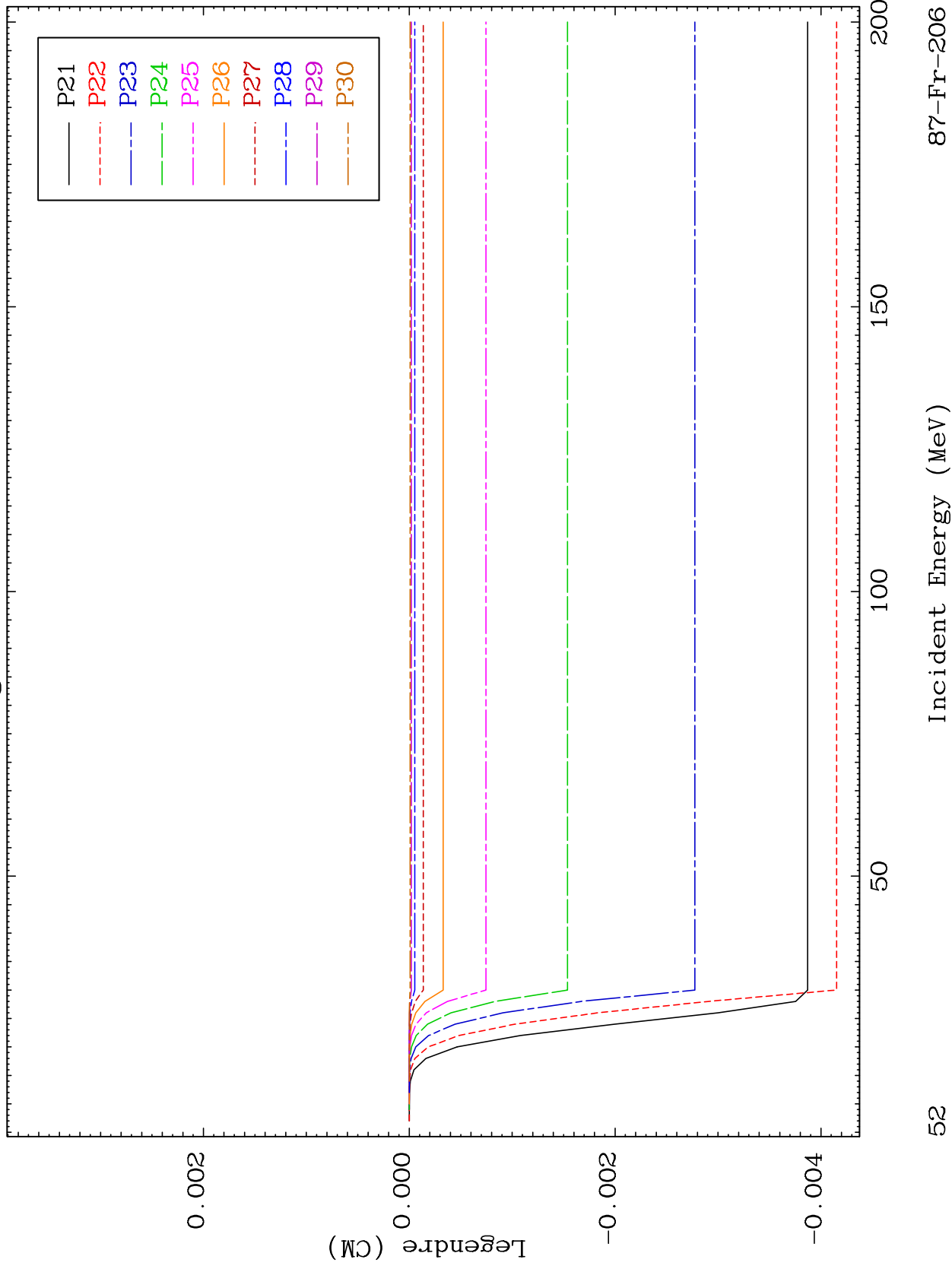
Incident Energy (MeV)

87-Fr-206

MAT 8707

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

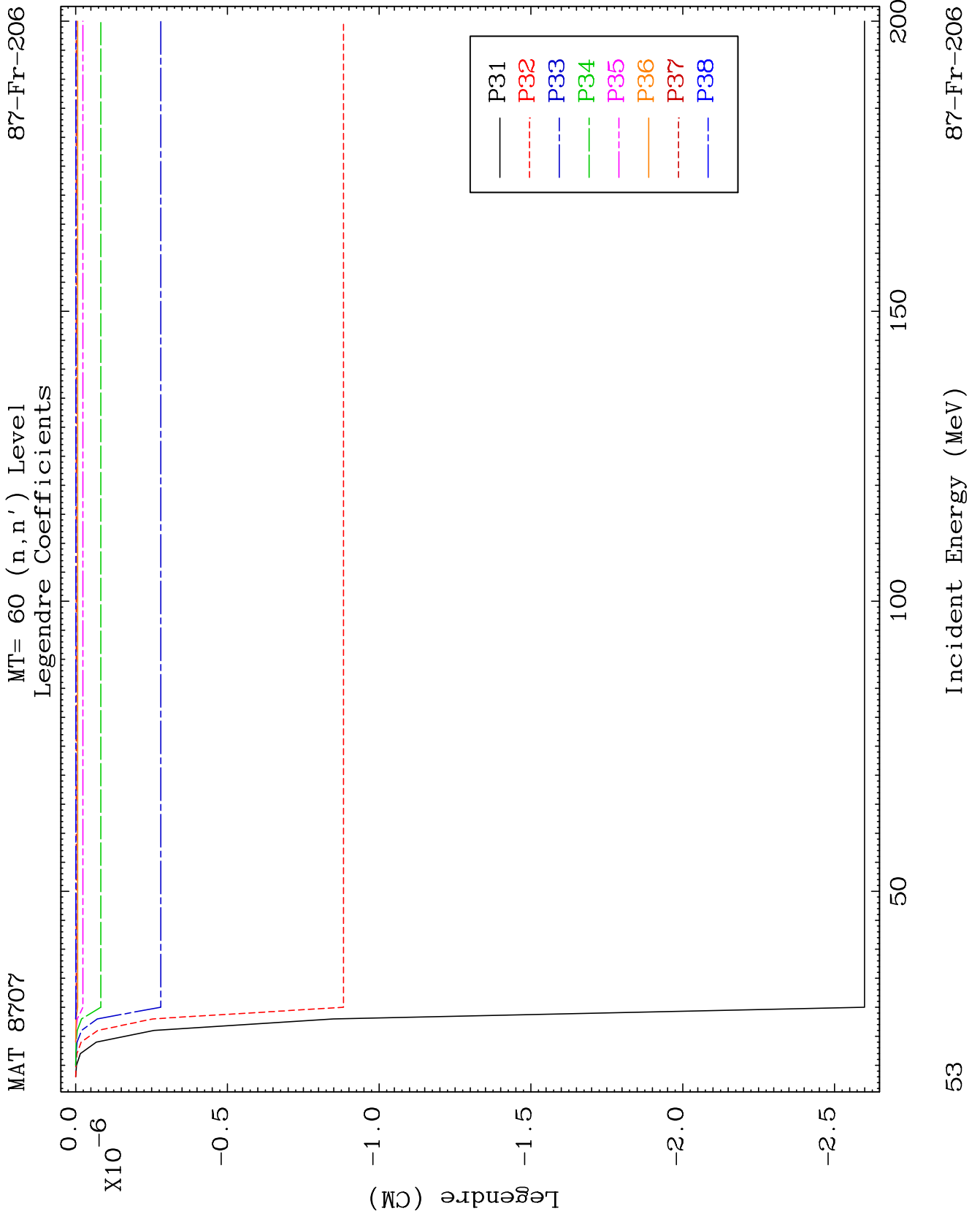
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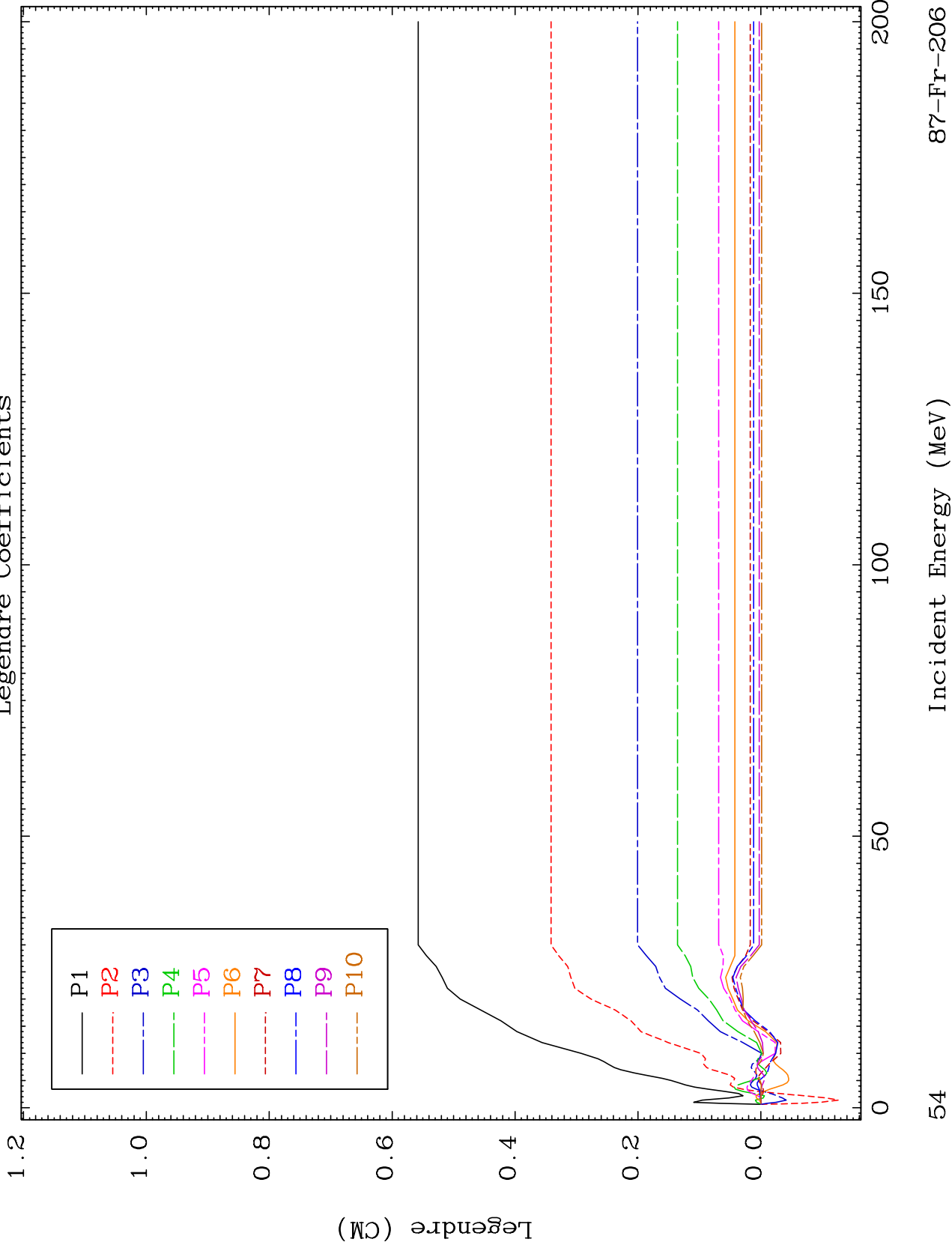


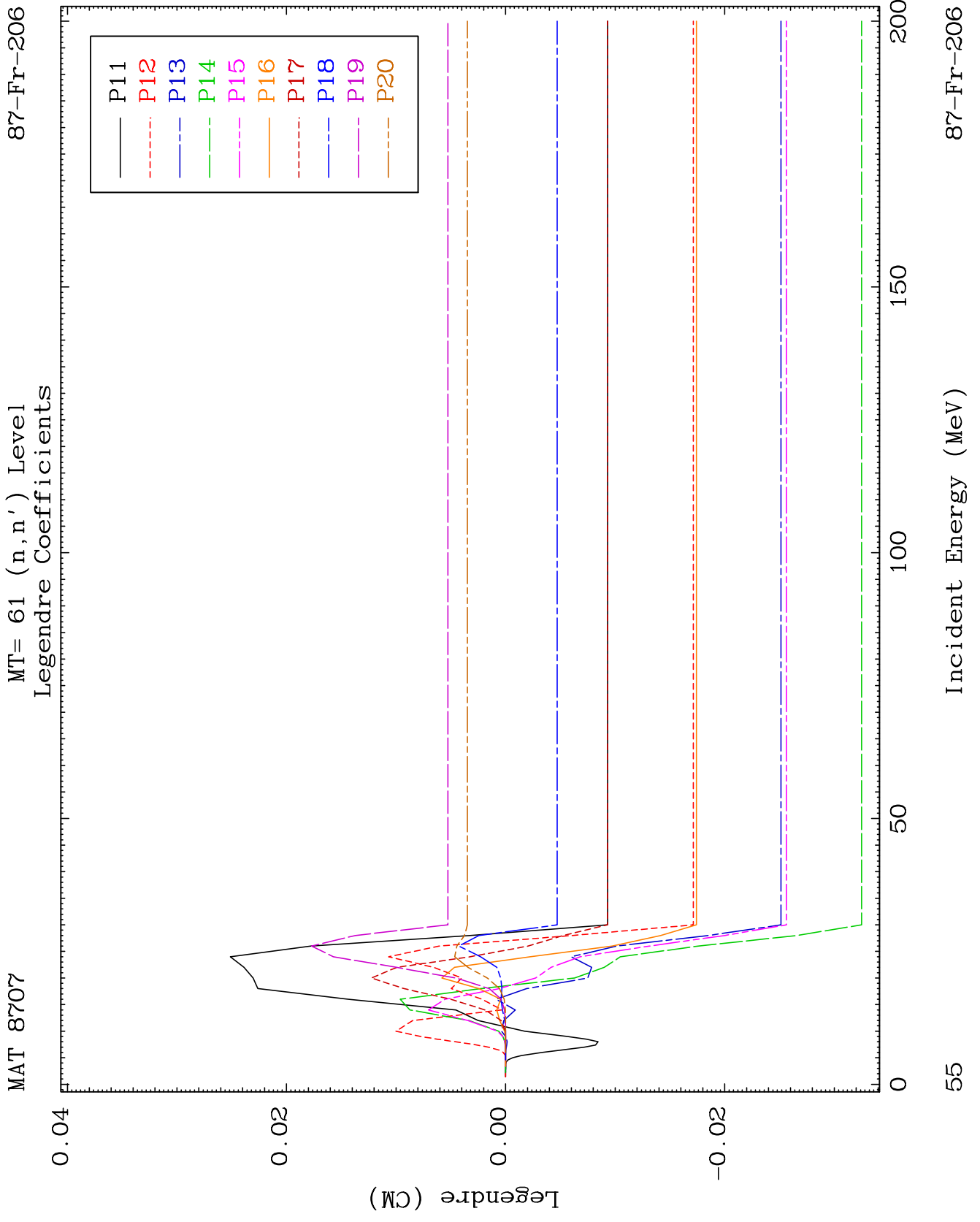
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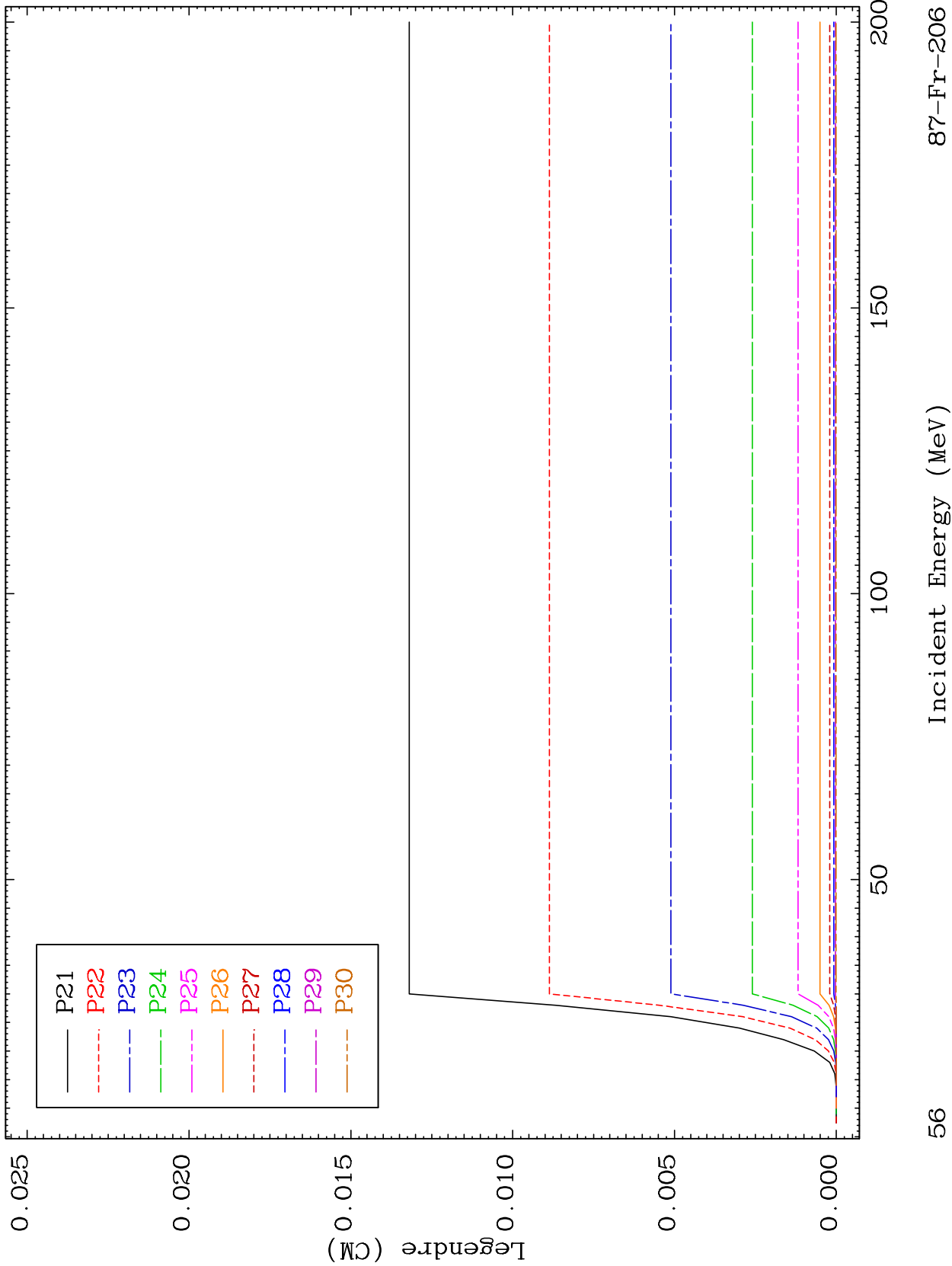
Incident Energy (MeV)

87-Fr-206





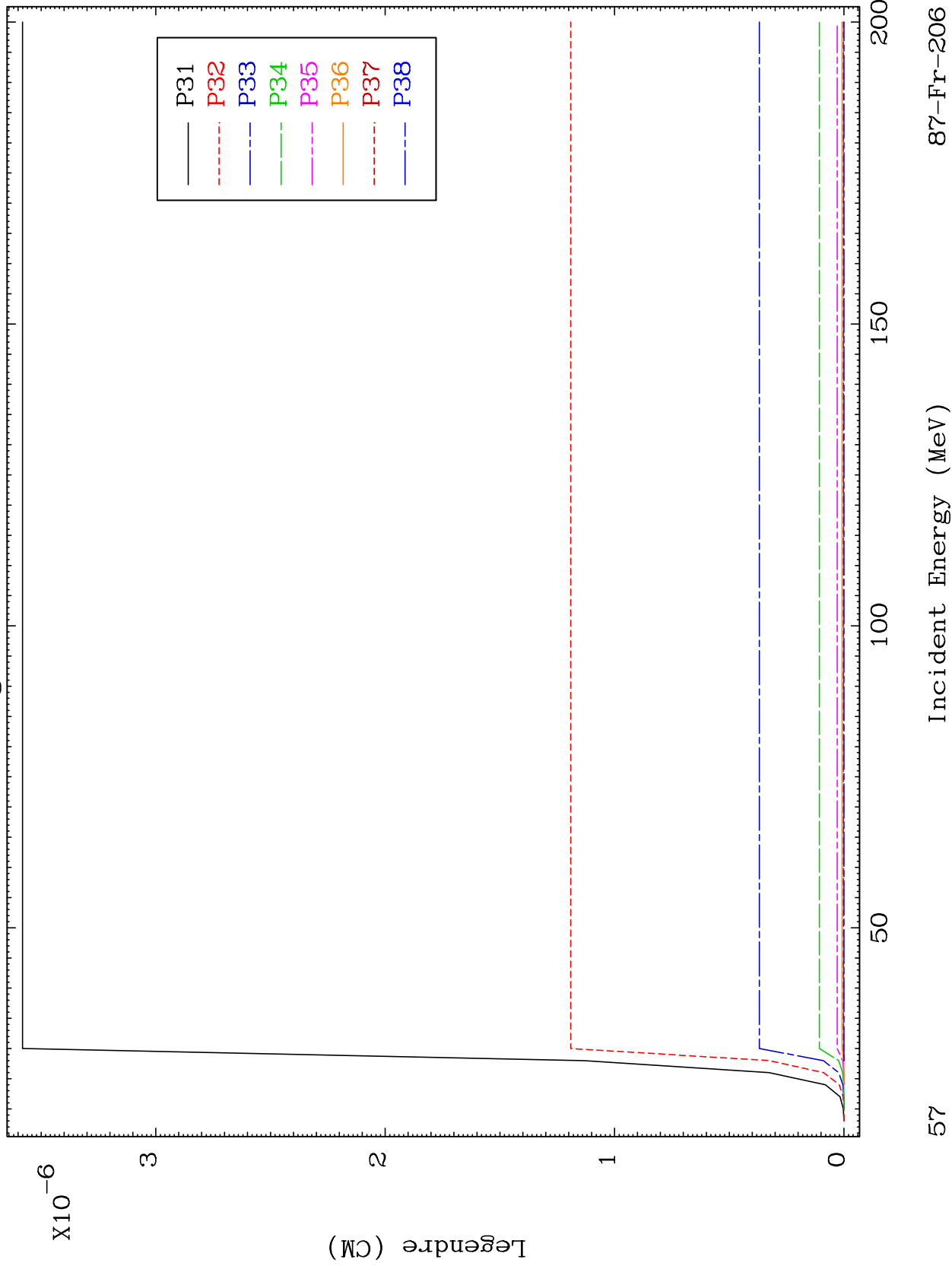




MAT 8707

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

87-Fr-206

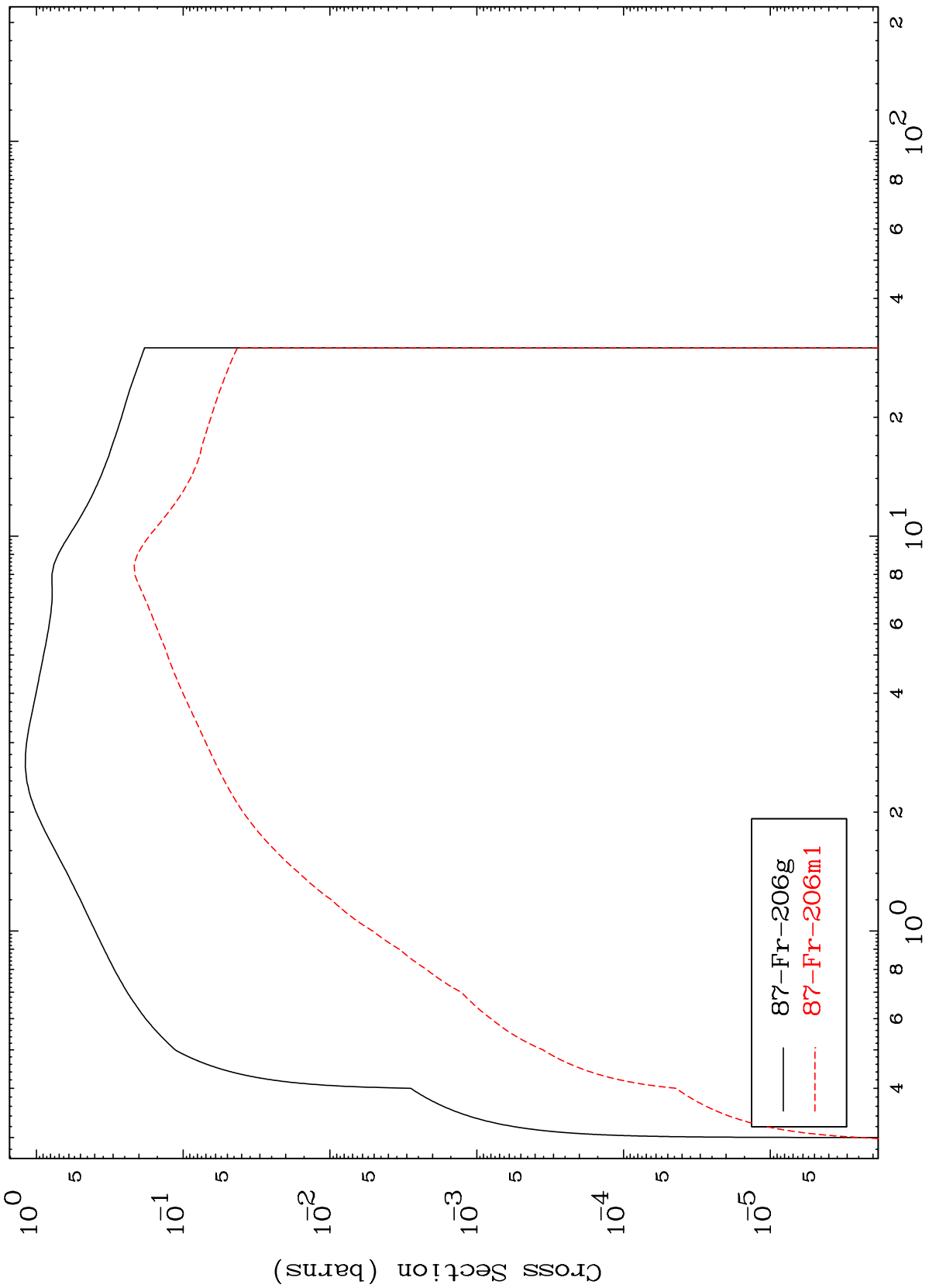


57

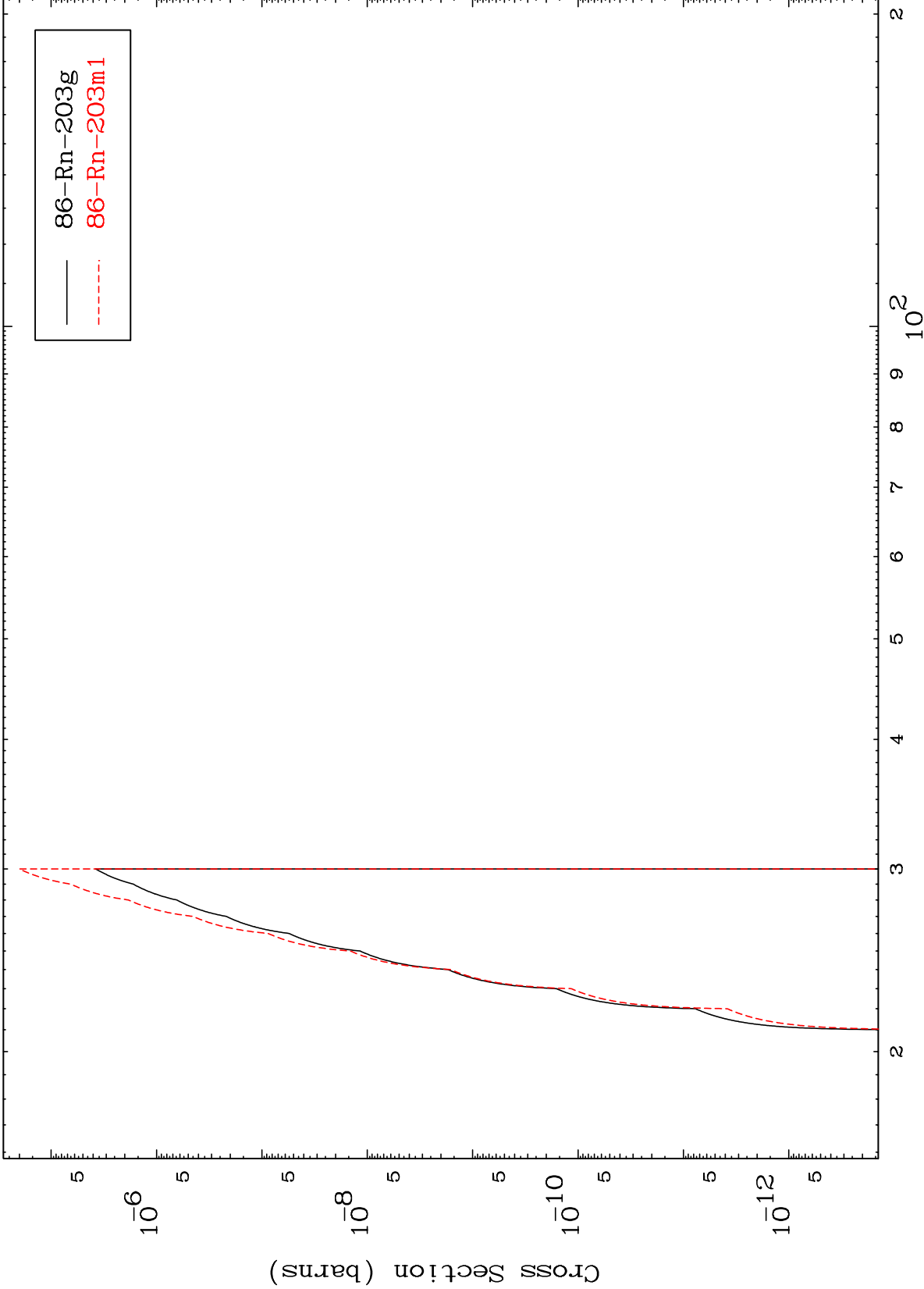
Incident Energy (MeV)

87-Fr-206

Inelastic
Radionuclide Production Cross Section



Radionuclide Production Cross Section

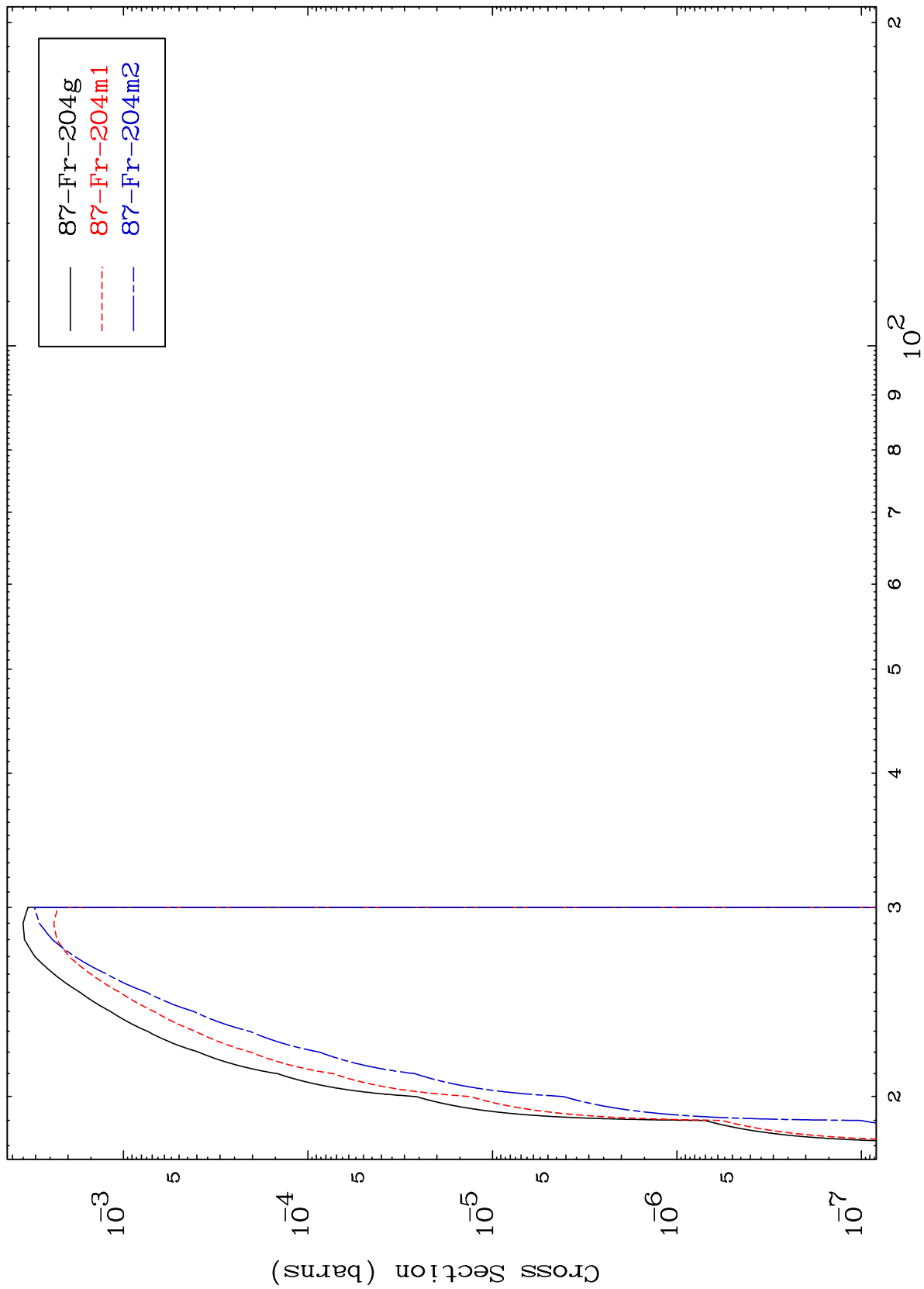


86-Rn-203g
86-Rn-203m1

MAT 8707

87-Fr-206

(n,3n)
Radionuclide Production Cross Section



60

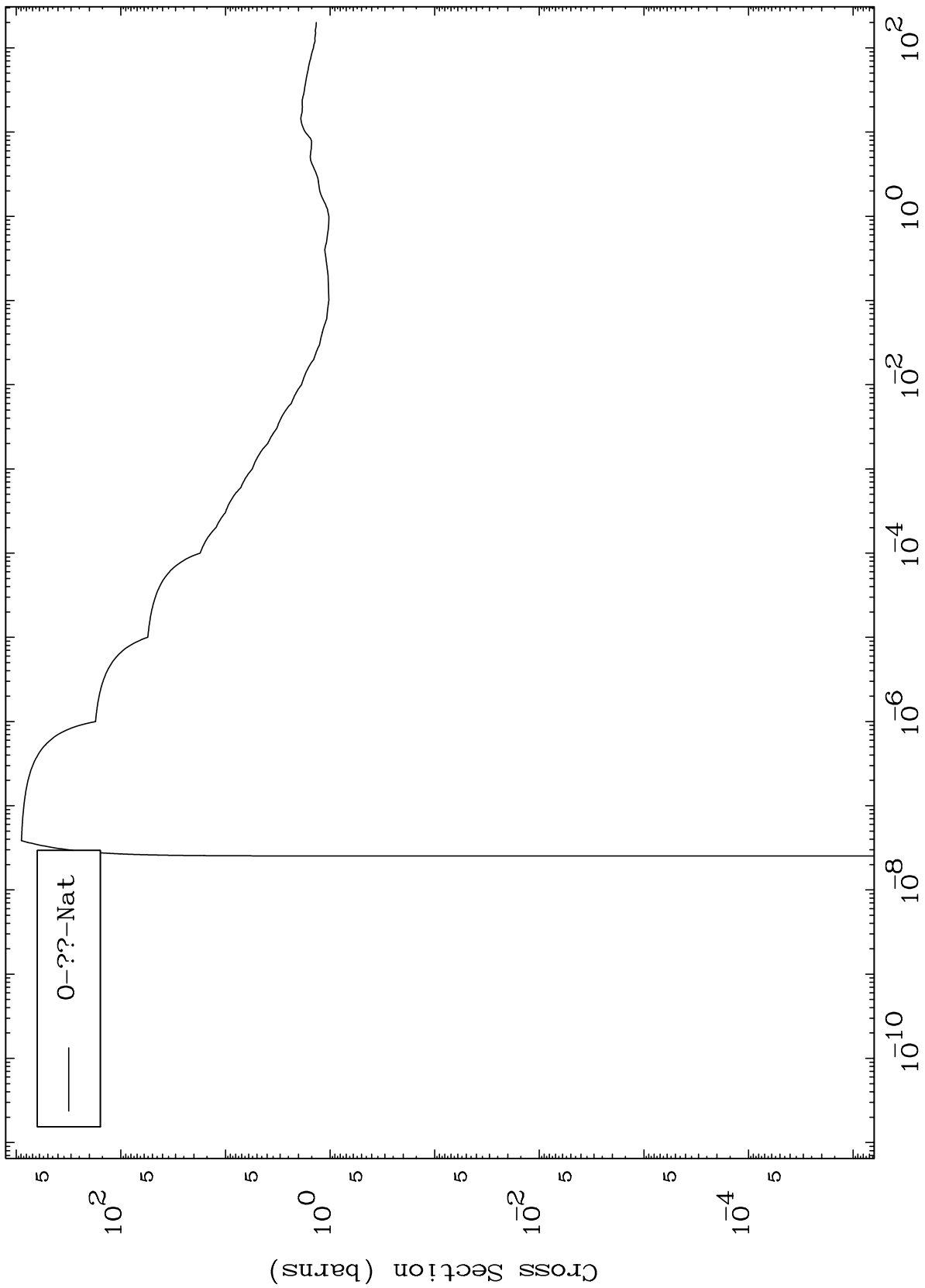
Incident Energy (MeV)

87-Fr-206

MAT 8707

87-Fr-206

Fission
Radionuclide Production Cross Section



61

87-Fr-206

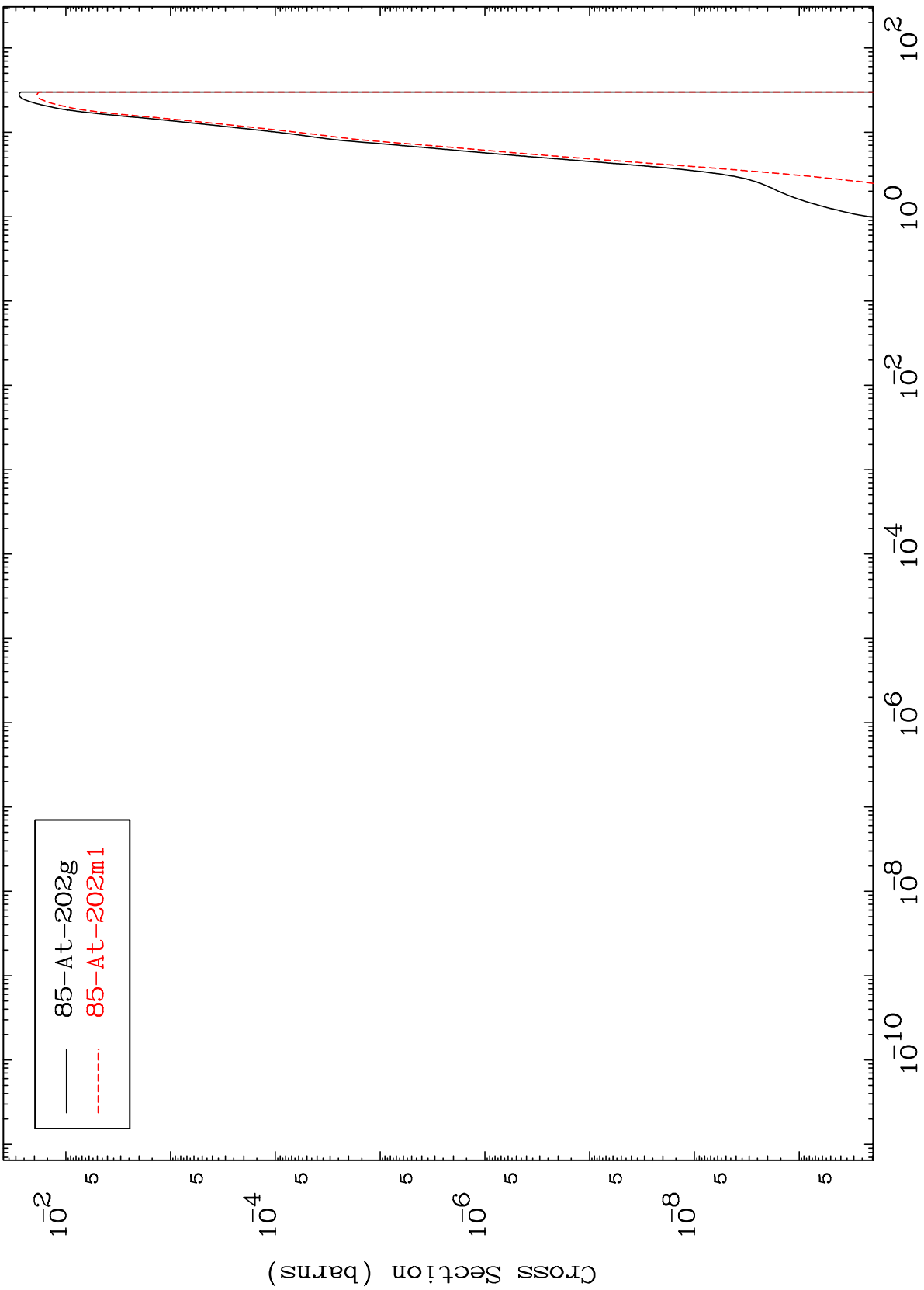
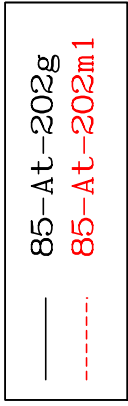
Incident Energy (MeV)

MAT 8707

$(n, n') \alpha$

87-Fr-206

Radionuclide Production Cross Section



62

Incident Energy (MeV)

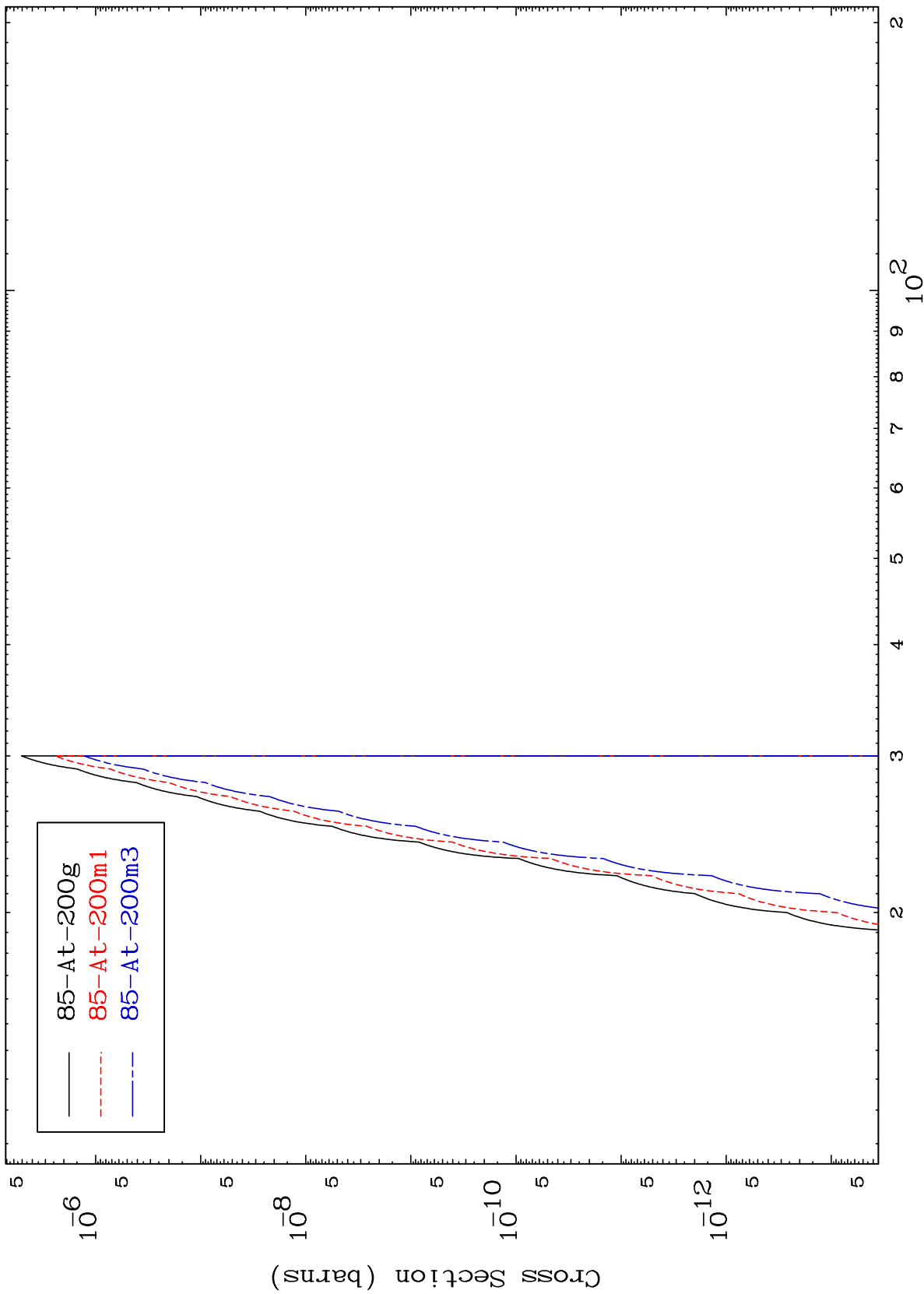
87-Fr-206

MAT 8707

(n,3n) α

87-Fr-206

Radionuclide Production Cross Section



63

Incident Energy (MeV)

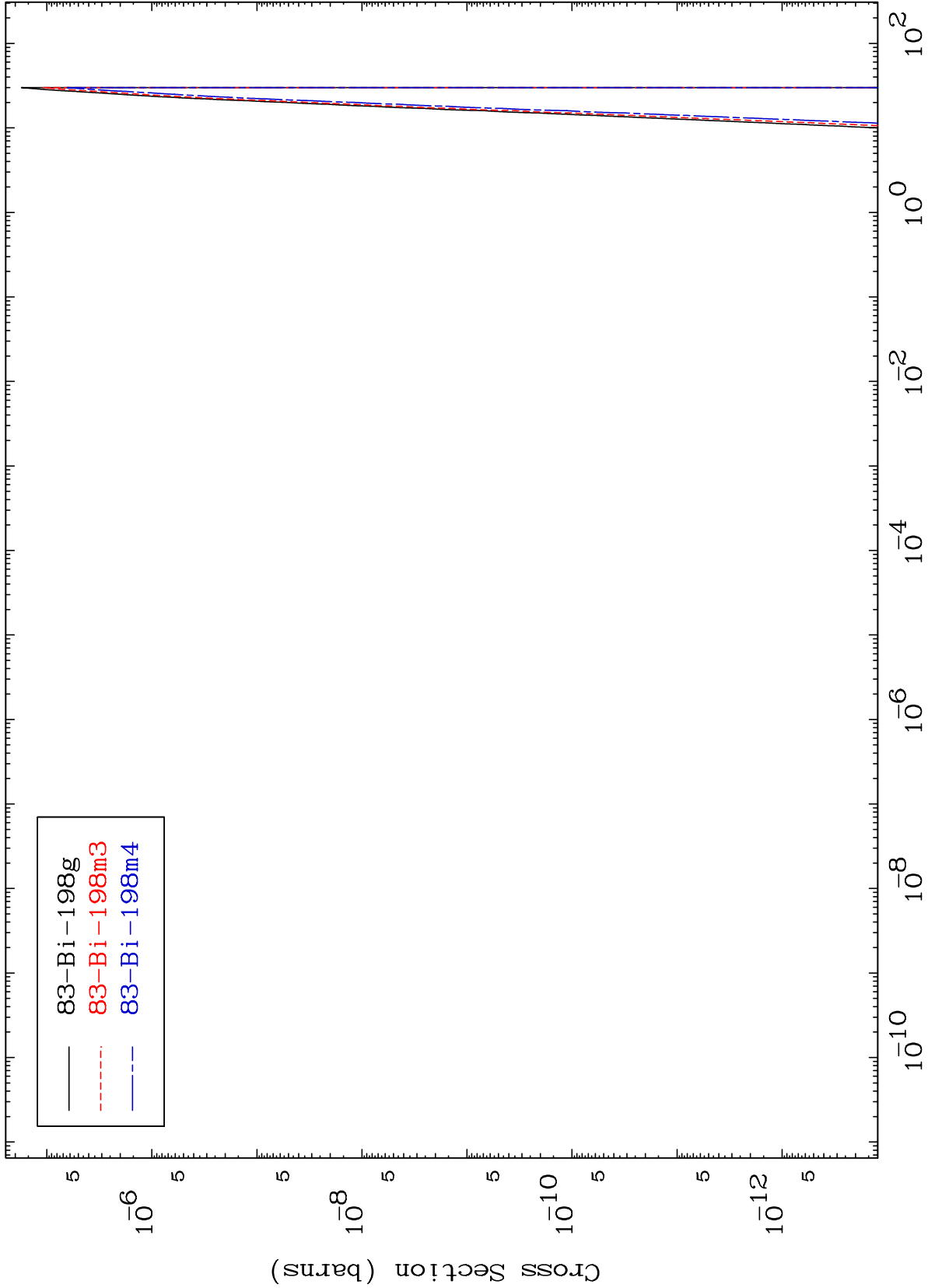
87-Fr-206

MAT 8707

(n,n') 2 α

87-Fr-206

Radionuclide Production Cross Section



64

Incident Energy (MeV)

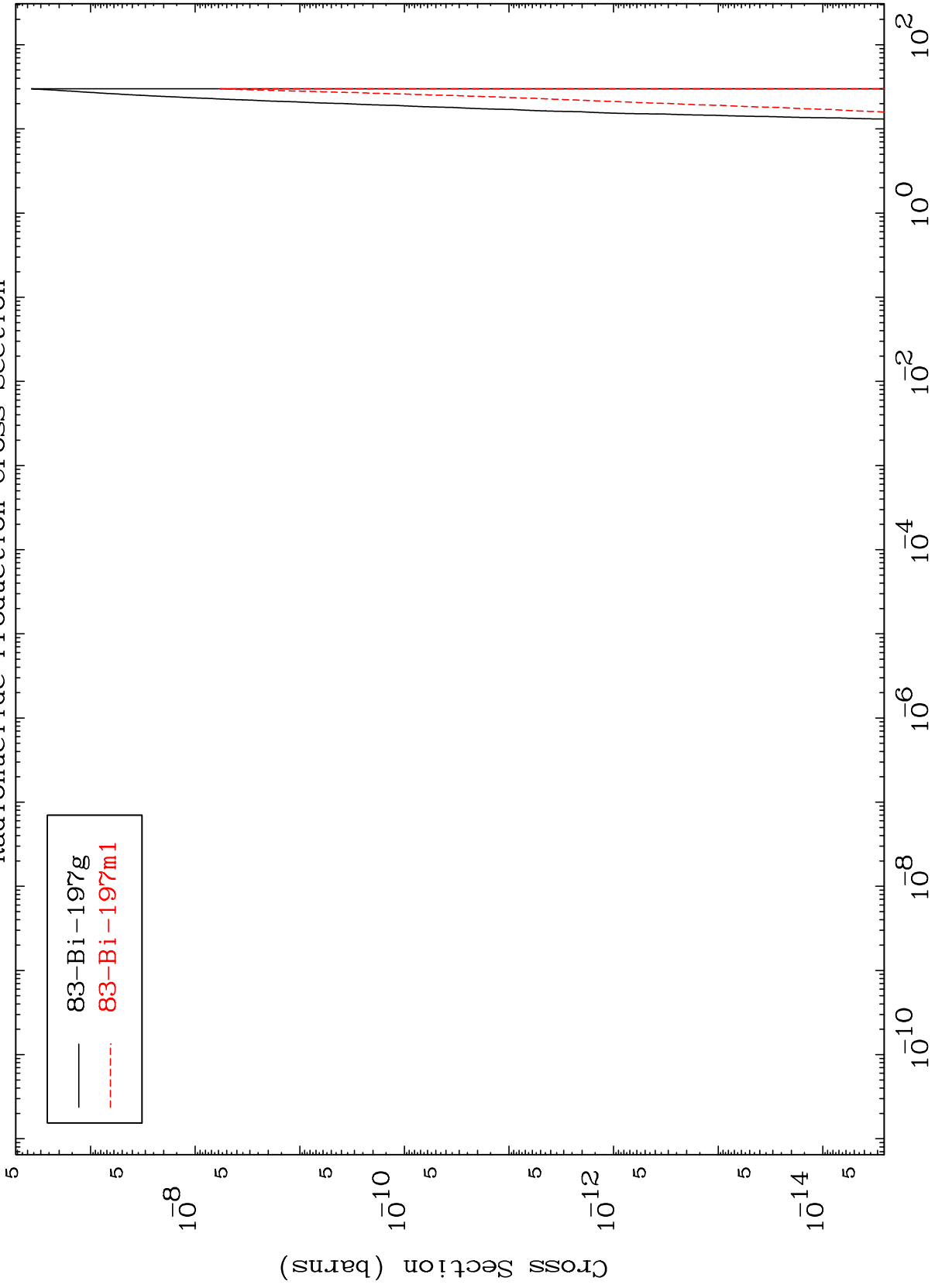
87-Fr-206

MAT 8707

(n,2n) 2α

87-Fr-206

Radionuclide Production Cross Section



83-Bi-197g
83-Bi-197m1

65

Incident Energy (MeV)

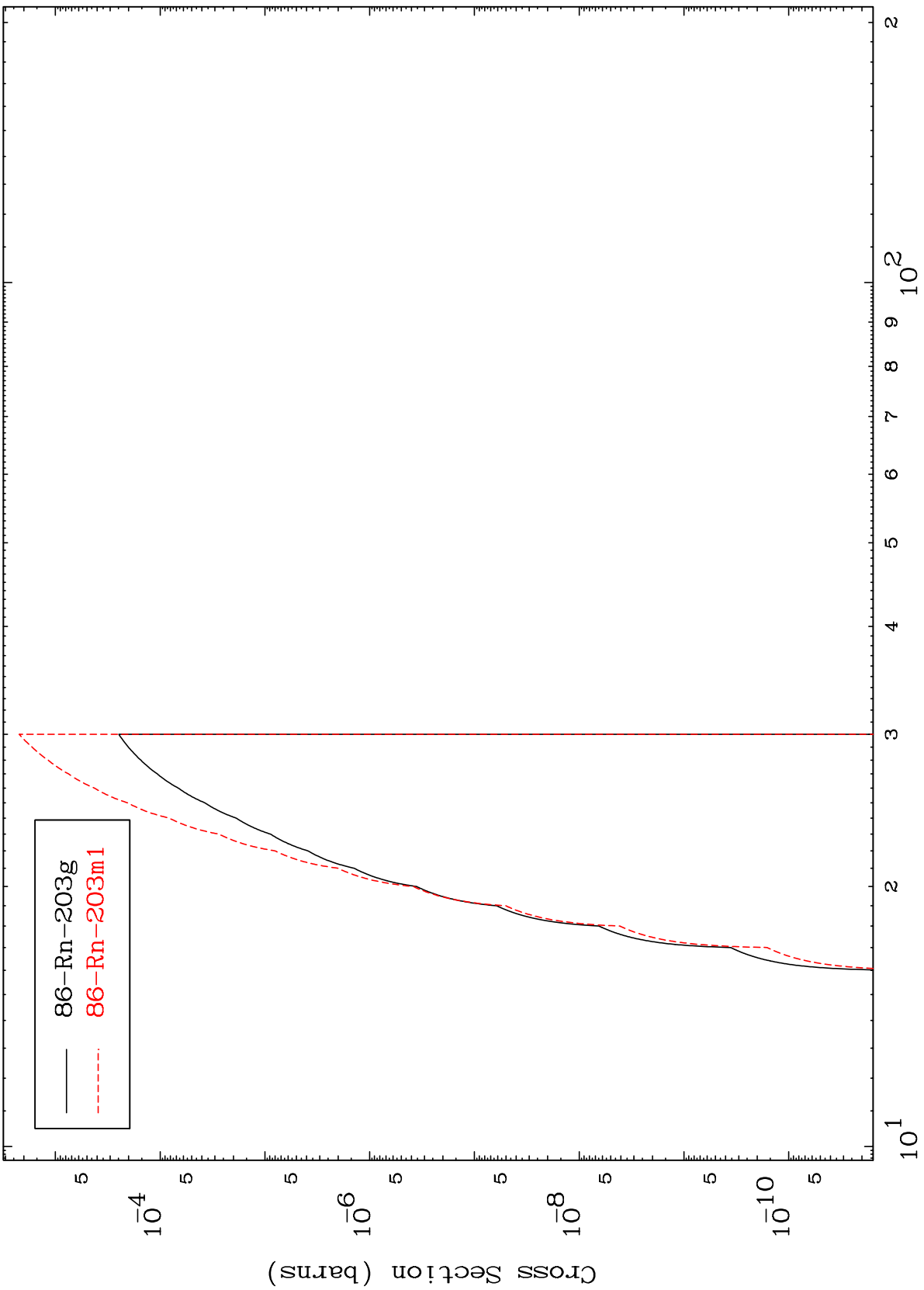
87-Fr-206

MAT 8707

(n,n') t

87-Fr-206

Radionuclide Production Cross Section



66

Incident Energy (MeV)

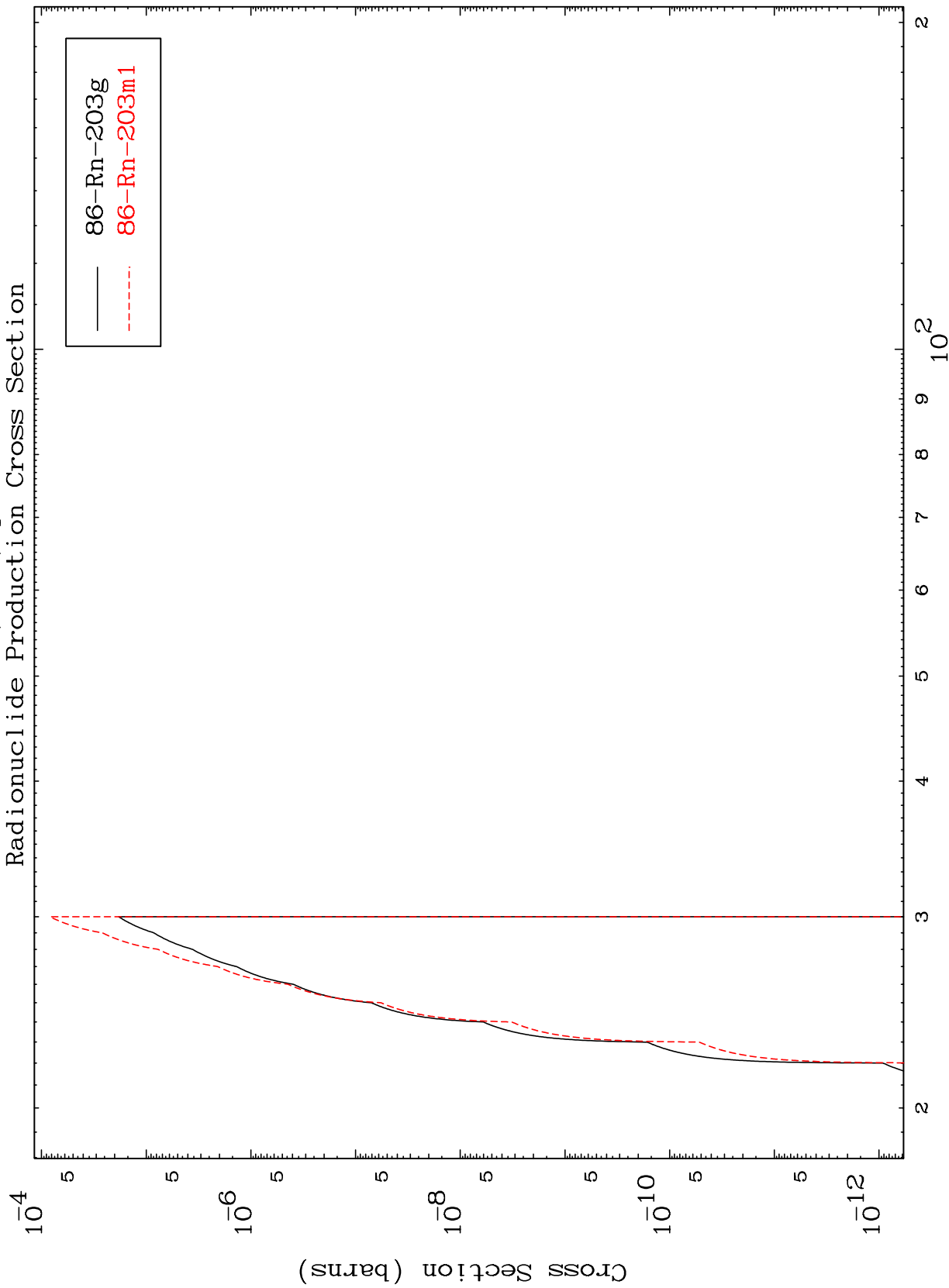
87-Fr-206

MAT 8707

(n,3n) p

87-Fr-206

Radionuclide Production Cross Section



67

Incident Energy (MeV)

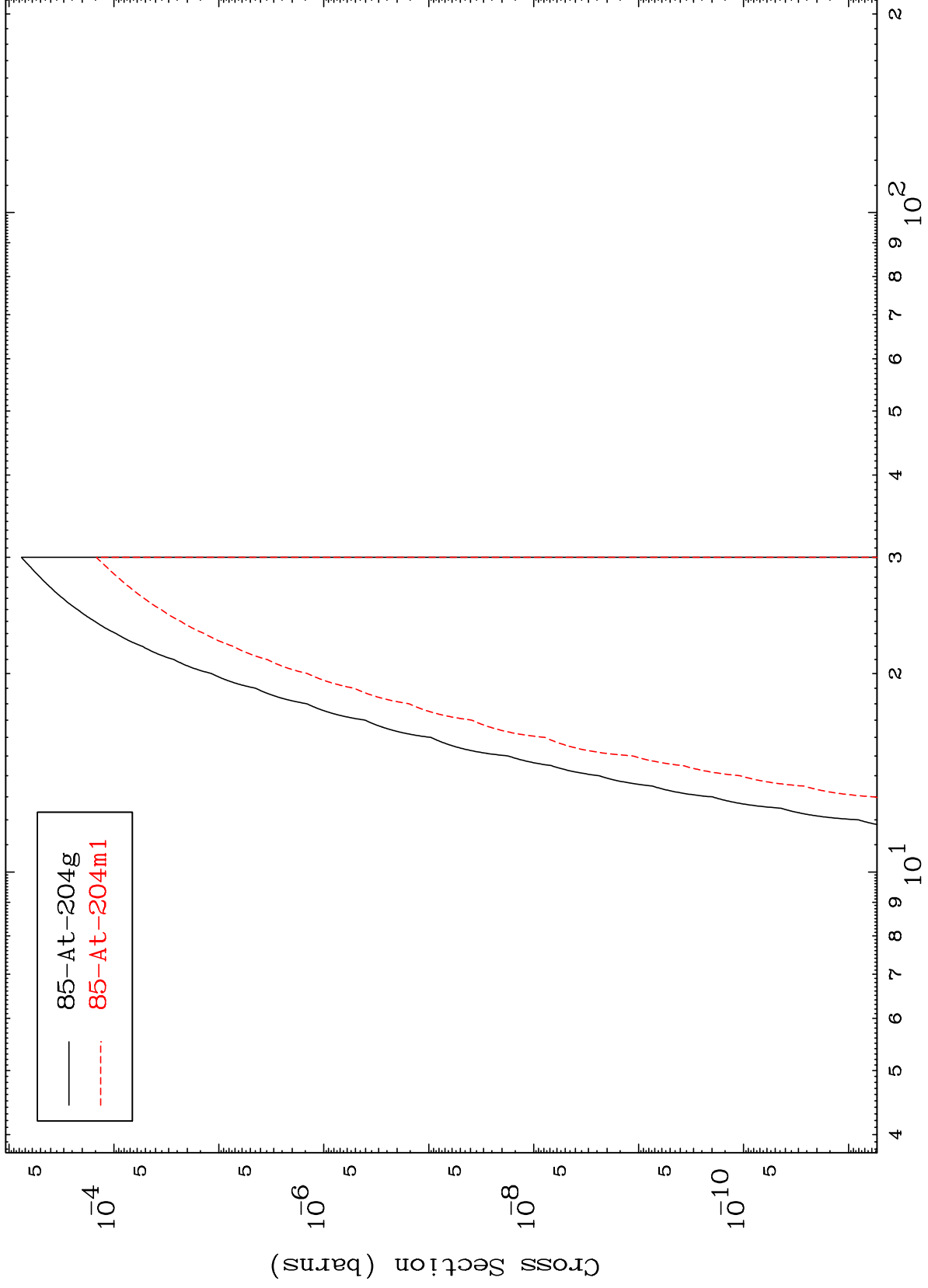
87-Fr-206

MAT 8707

(n,2n) p

87-Fr-206

Radionuclide Production Cross Section



68

Incident Energy (MeV)

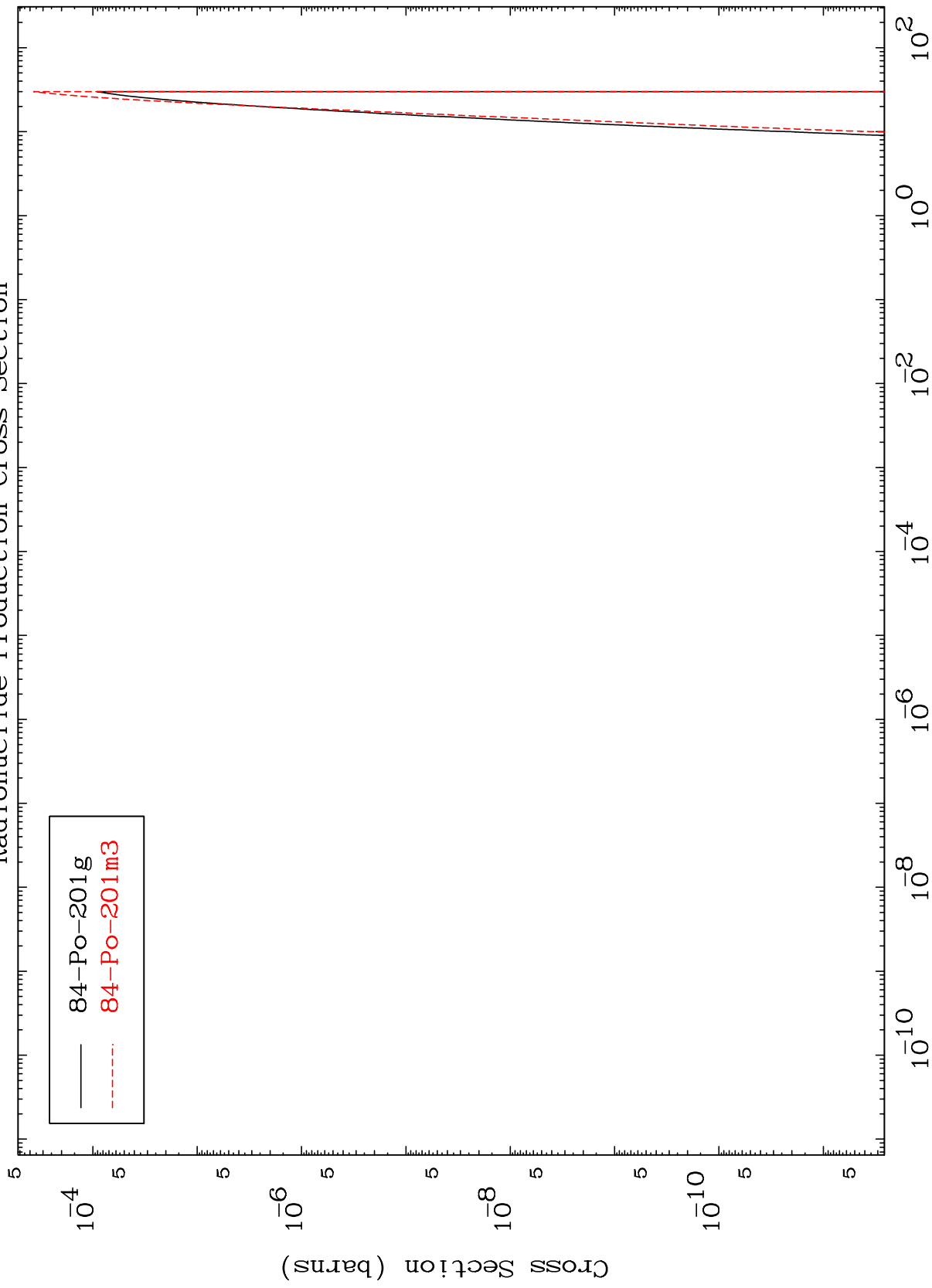
87-Fr-206

MAT 8707

(n,n') p α

87-Fr-206

Radionuclide Production Cross Section



69

Incident Energy (MeV)

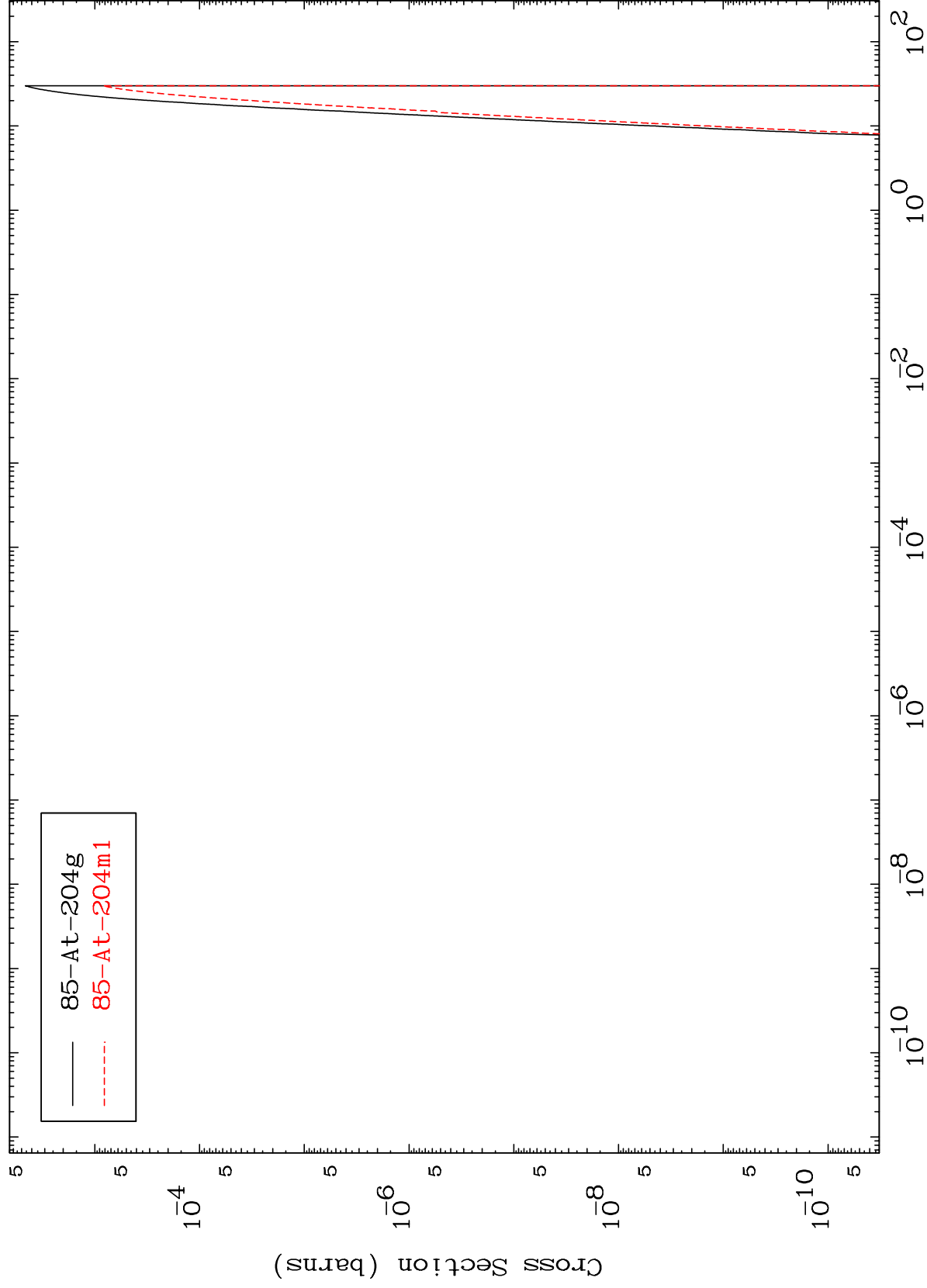
87-Fr-206

MAT 8707

(n,He-3)

87-Fr-206

Radionuclide Production Cross Section



70

Incident Energy (MeV)

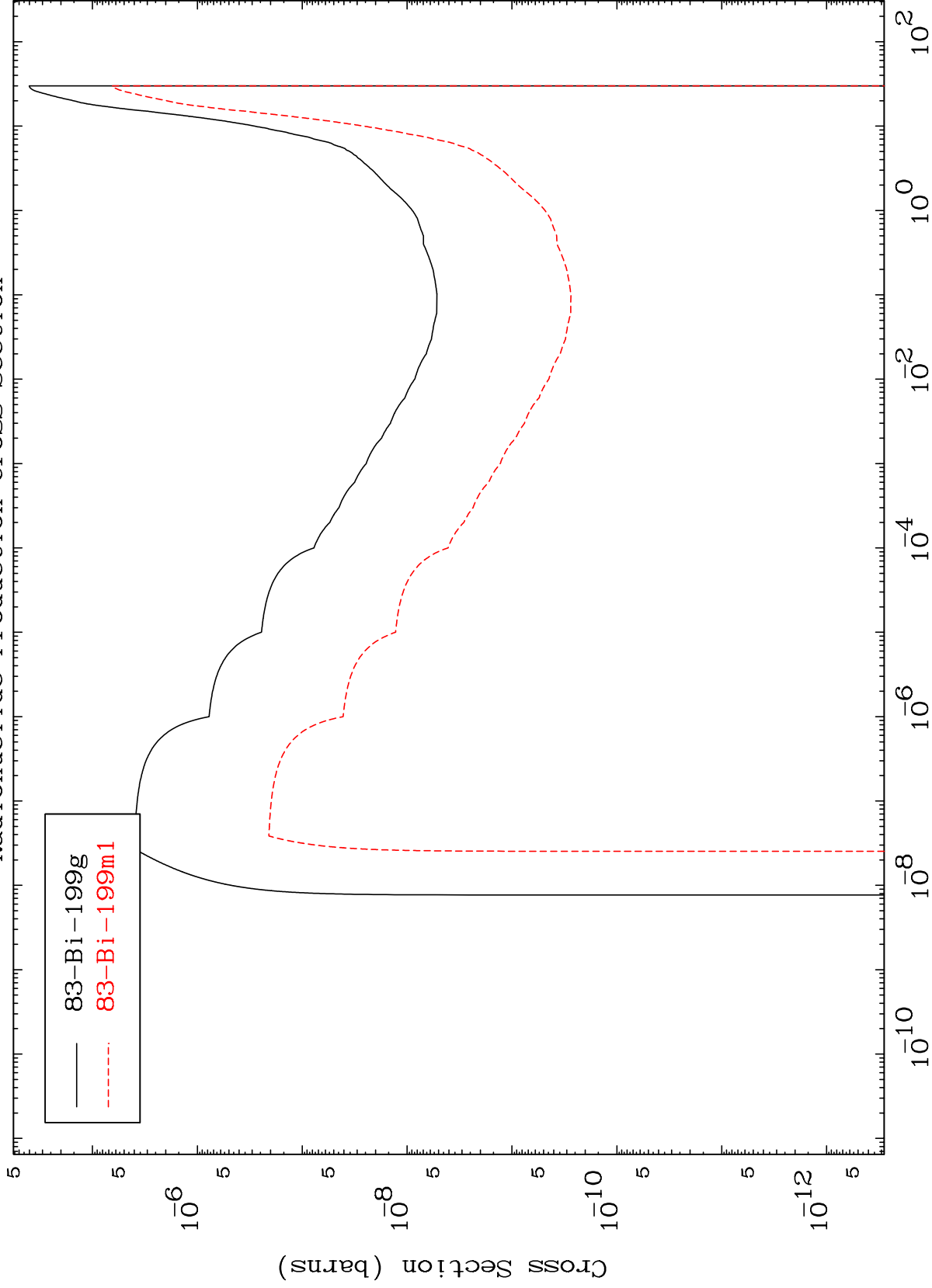
87-Fr-206

MAT 8707

(n,2α)

87-Fr-206

Radionuclide Production Cross Section



71

Incident Energy (MeV)

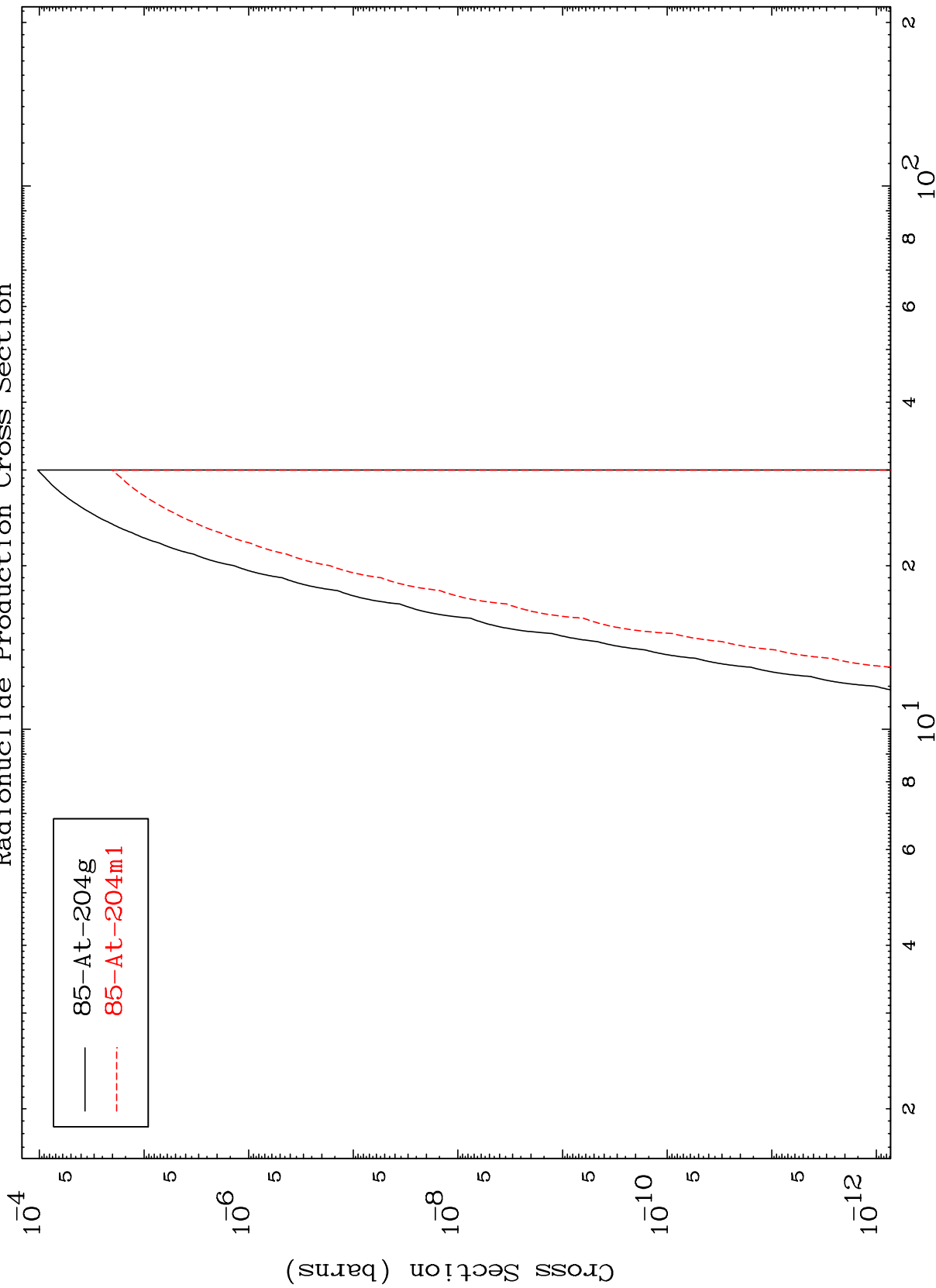
87-Fr-206

MAT 8707

(n,p) d

87-Fr-206

Radionuclide Production Cross Section



85-At-204g
85-At-204m1

72

Incident Energy (MeV)

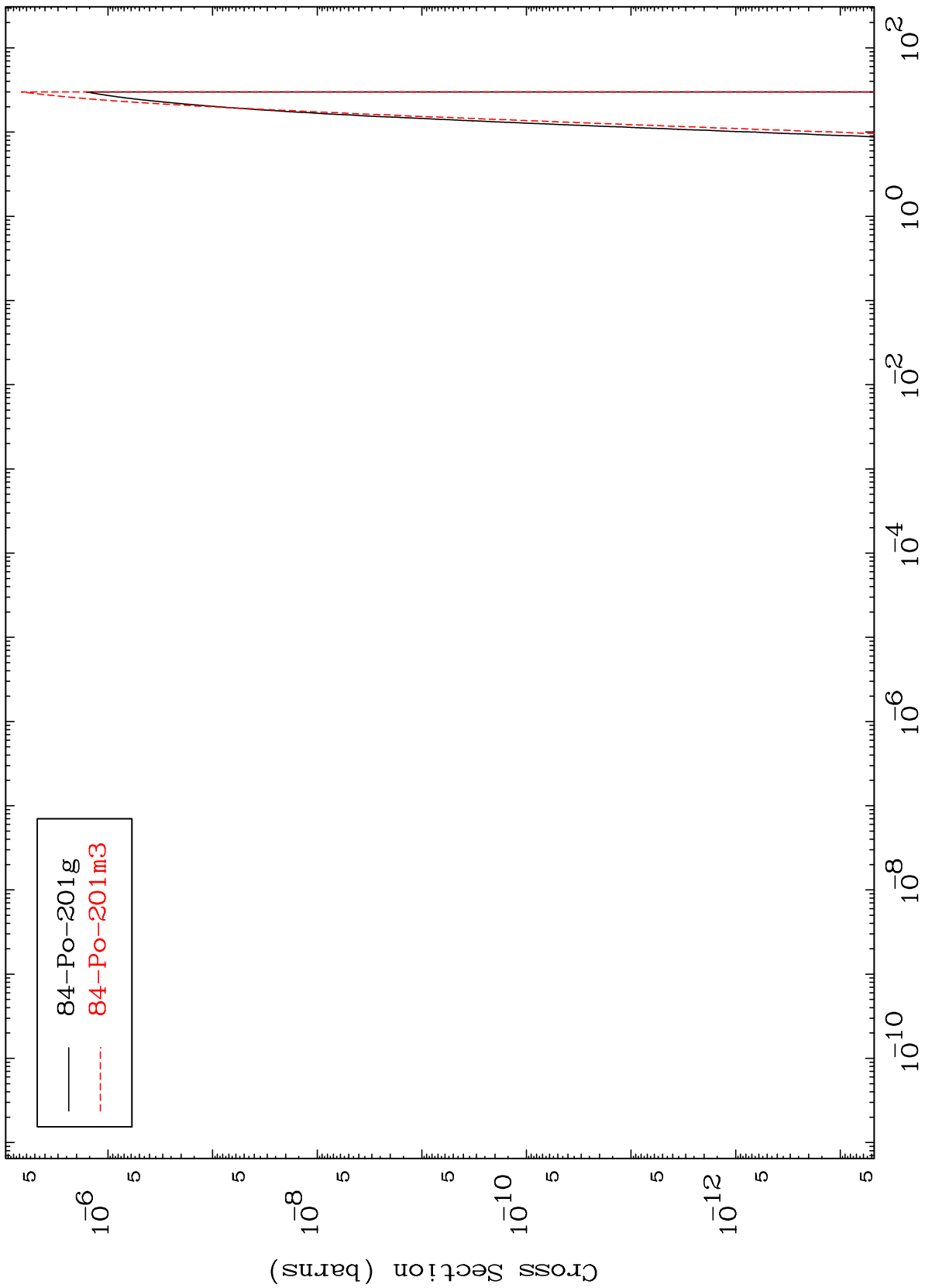
87-Fr-206

MAT 8707

(n,d) α

87-Fr-206

Radionuclide Production Cross Section



73

Incident Energy (MeV)

87-Fr-206