

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

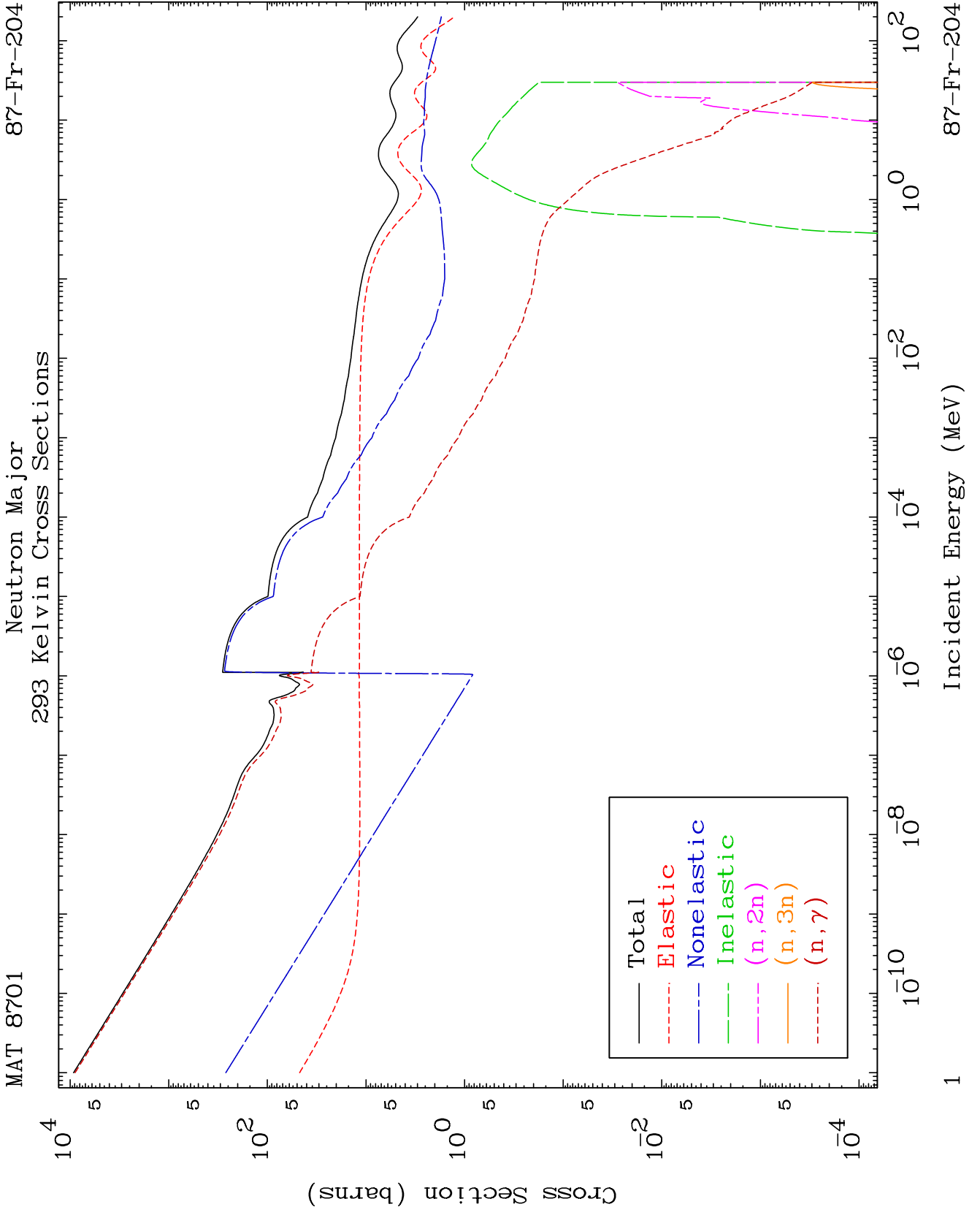
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

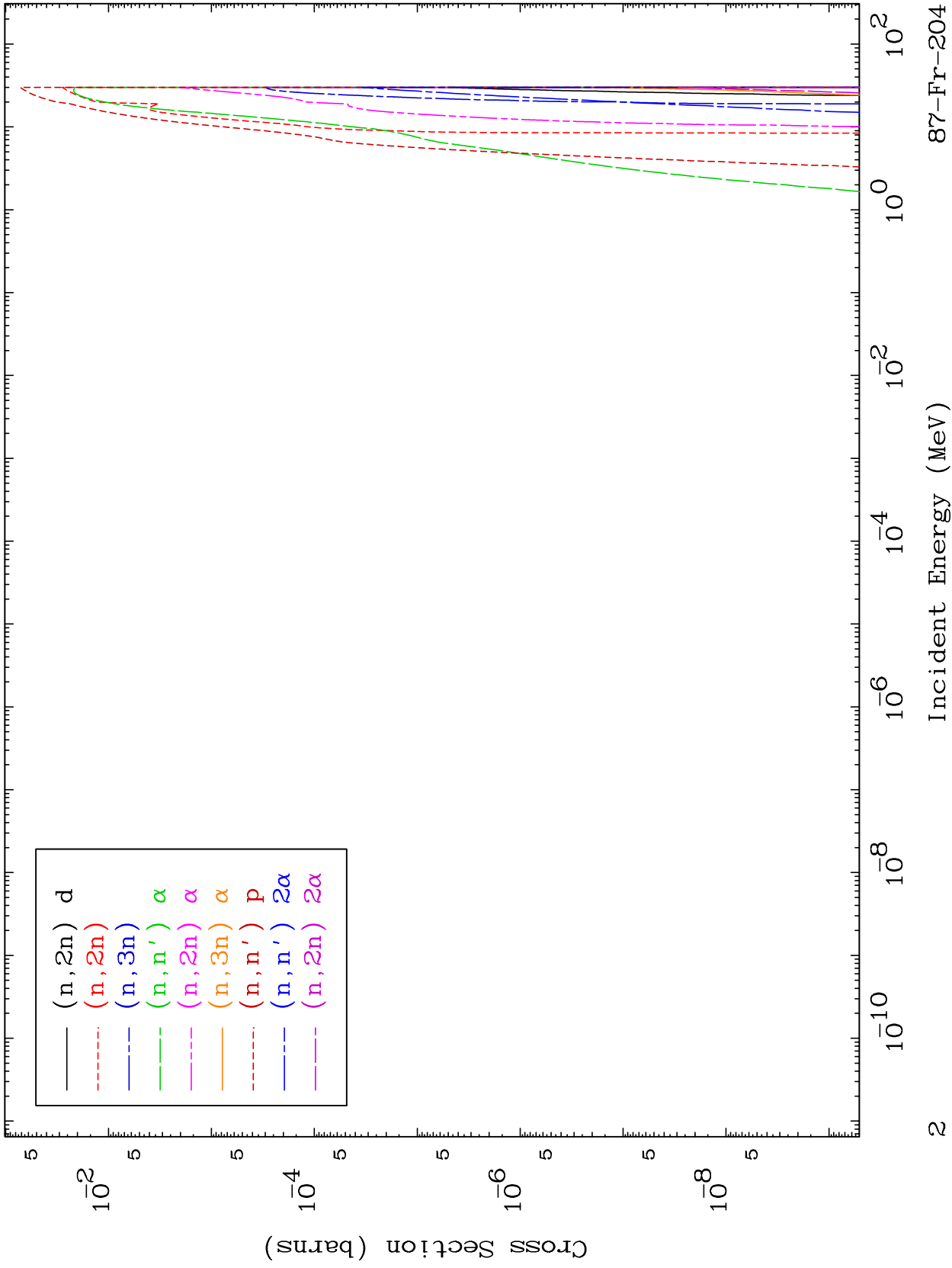
Press Mouse Button to Start



MAT 8701

Neutron Absorption
293 Kelvin Cross Sections

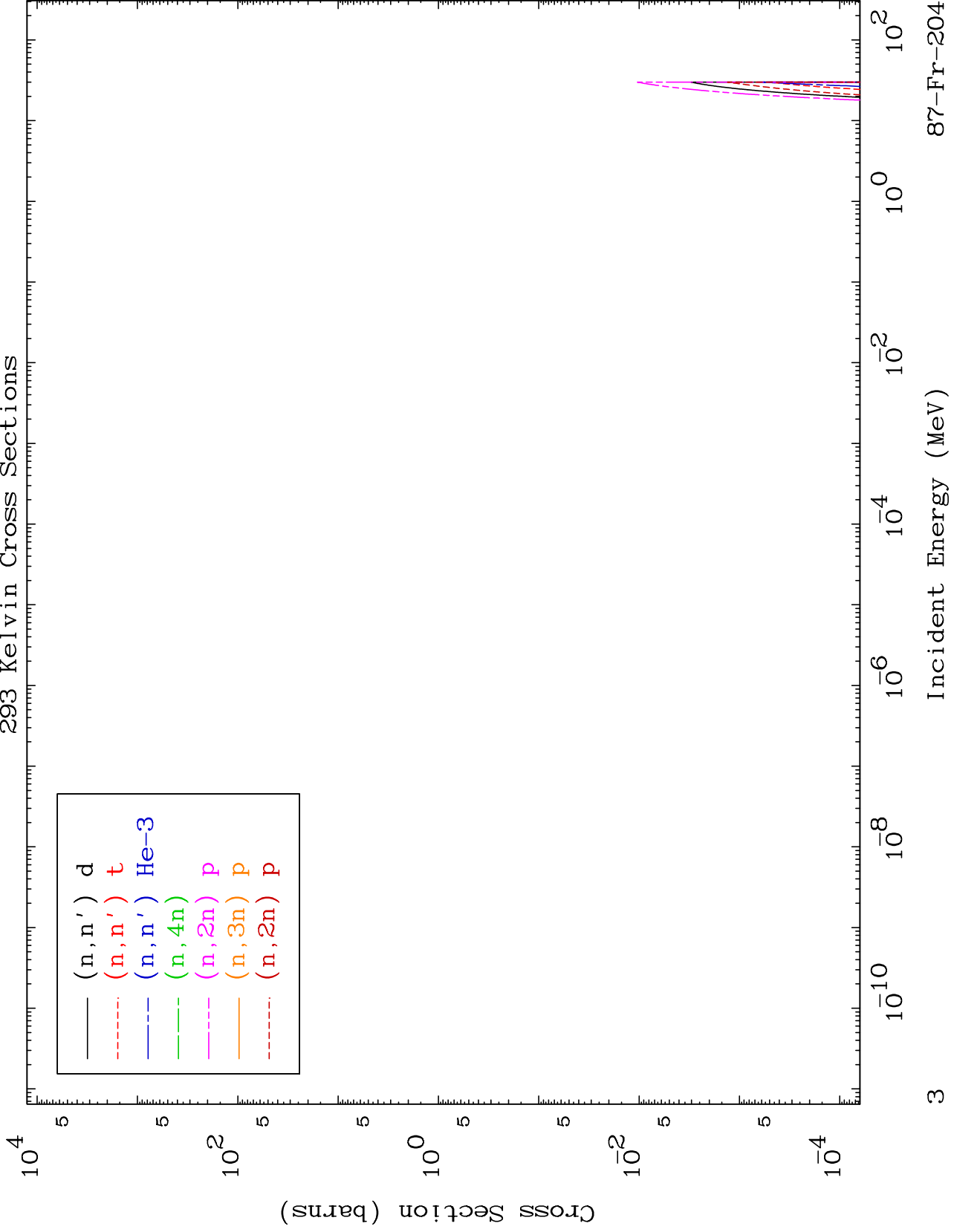
87-Fr-204



MAT 8701

Neutron Absorption
293 Kelvin Cross Sections

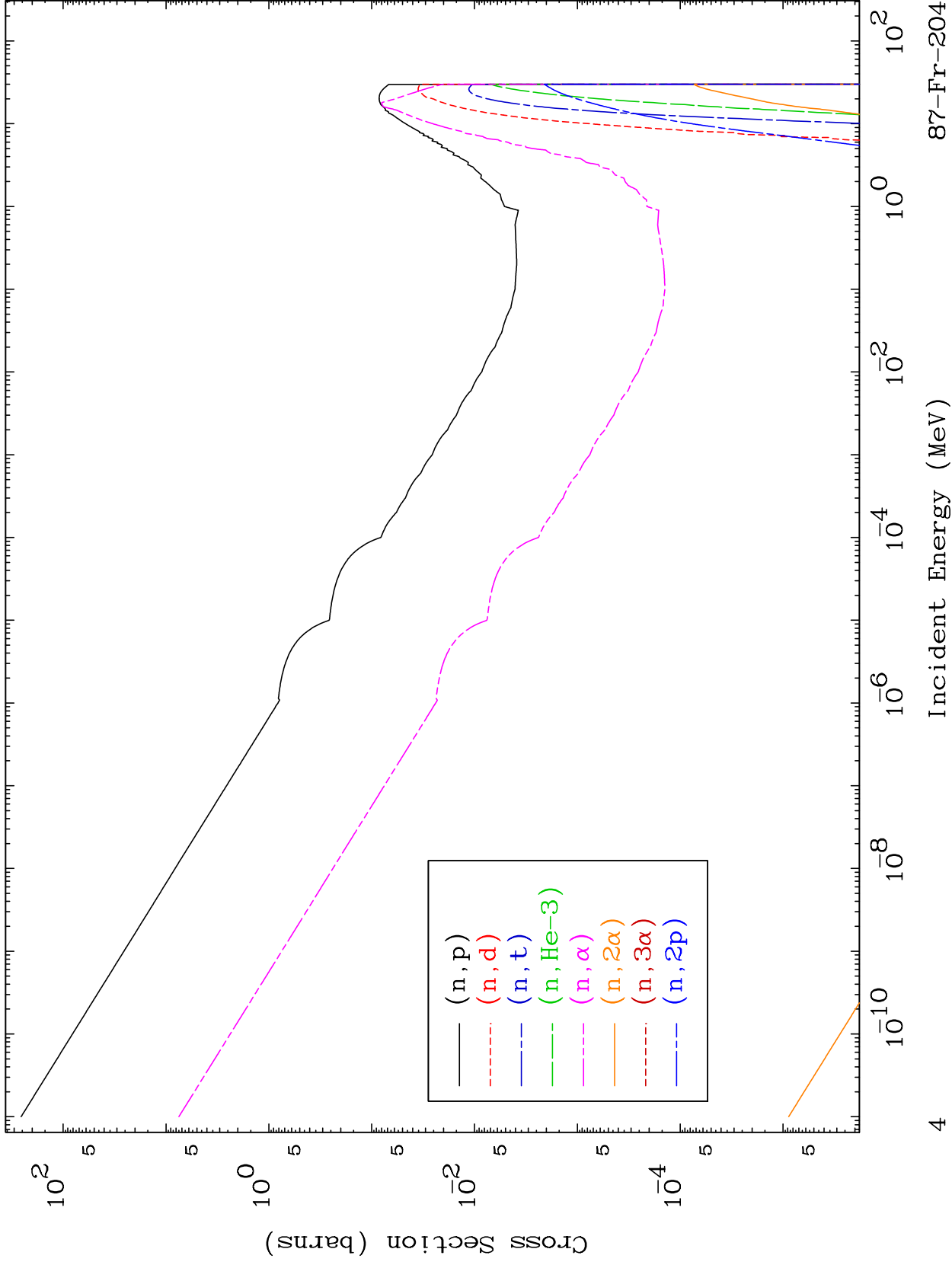
87-Fr-204



MAT 8701

Neutron Absorption
293 Kelvin Cross Sections

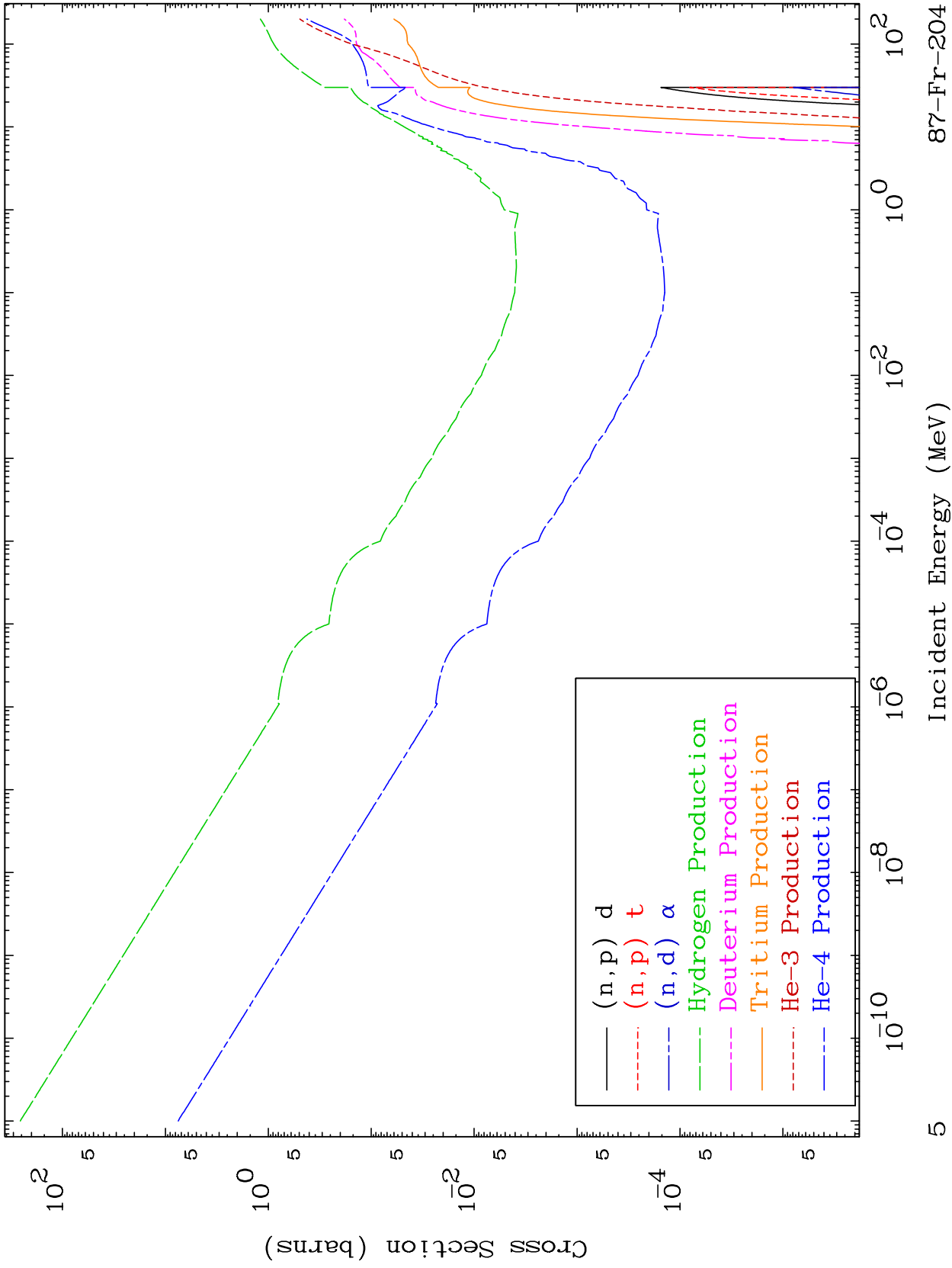
87-Fr-204



MAT 8701

Neutron Absorption
293 Kelvin Cross Sections

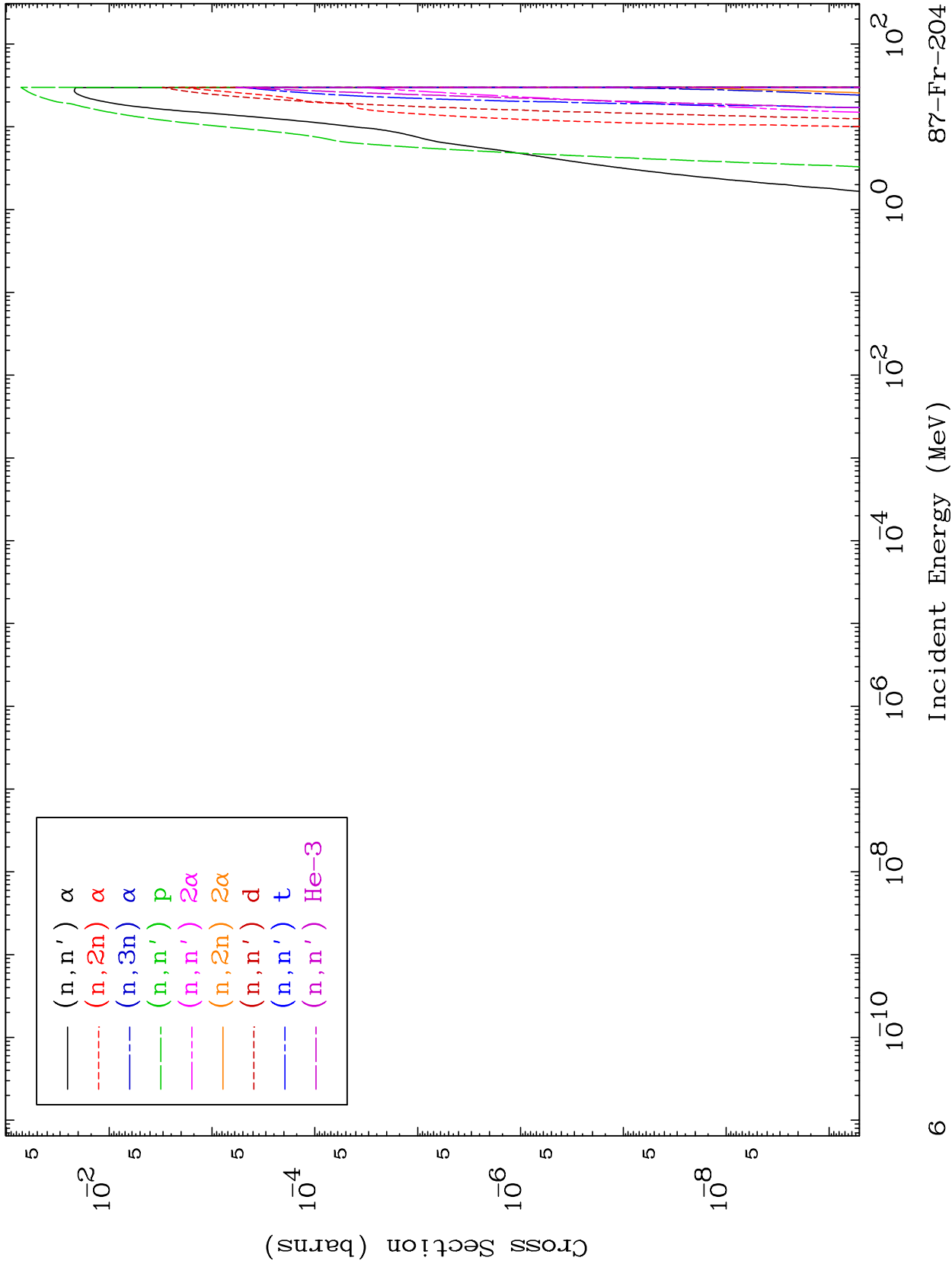
87-Fr-204



MAT 8701

Charged Particle
293 Kelvin Cross Sections

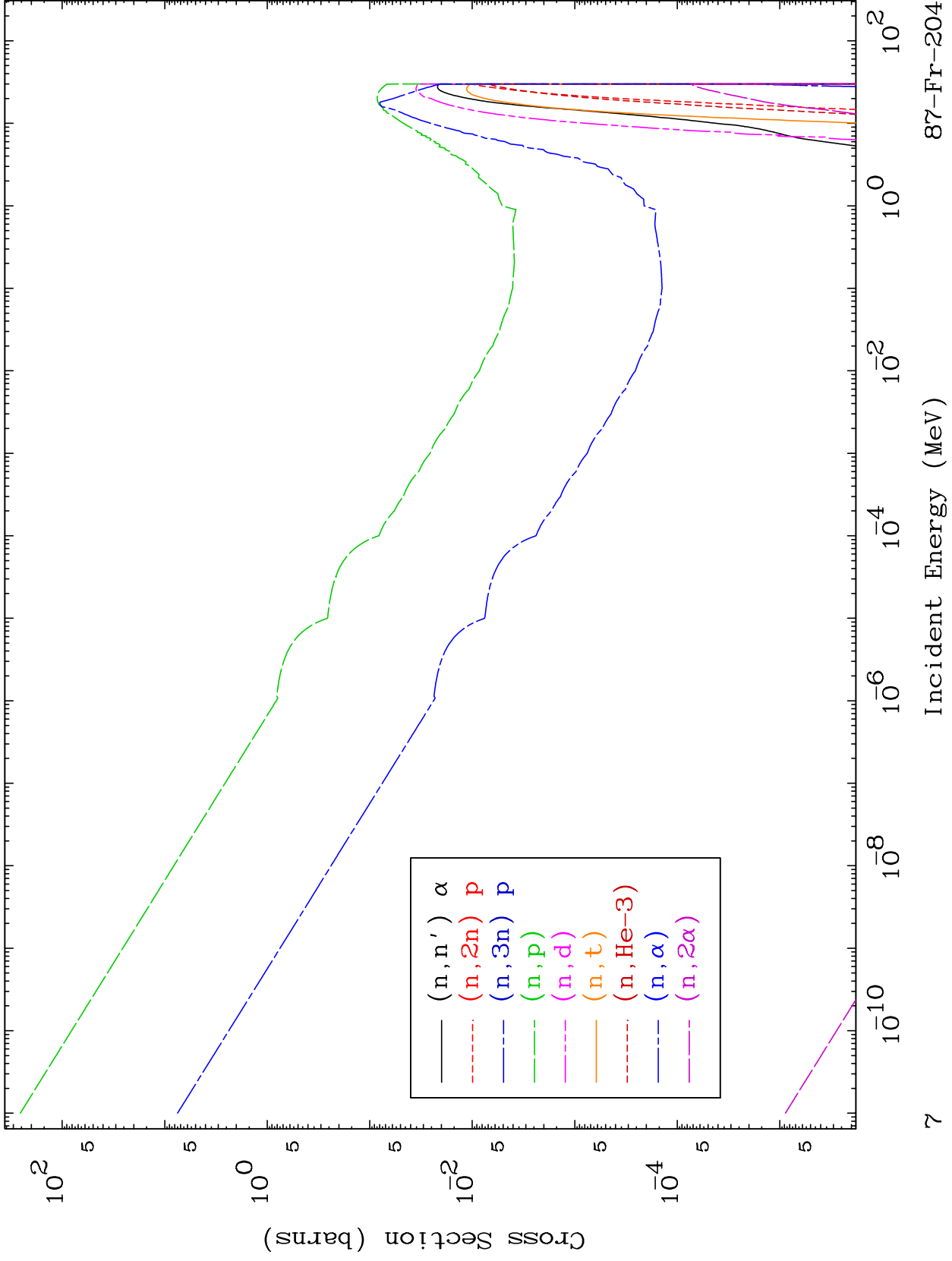
87-Fr-204



MAT 8701

Charged Particle
293 Kelvin Cross Sections

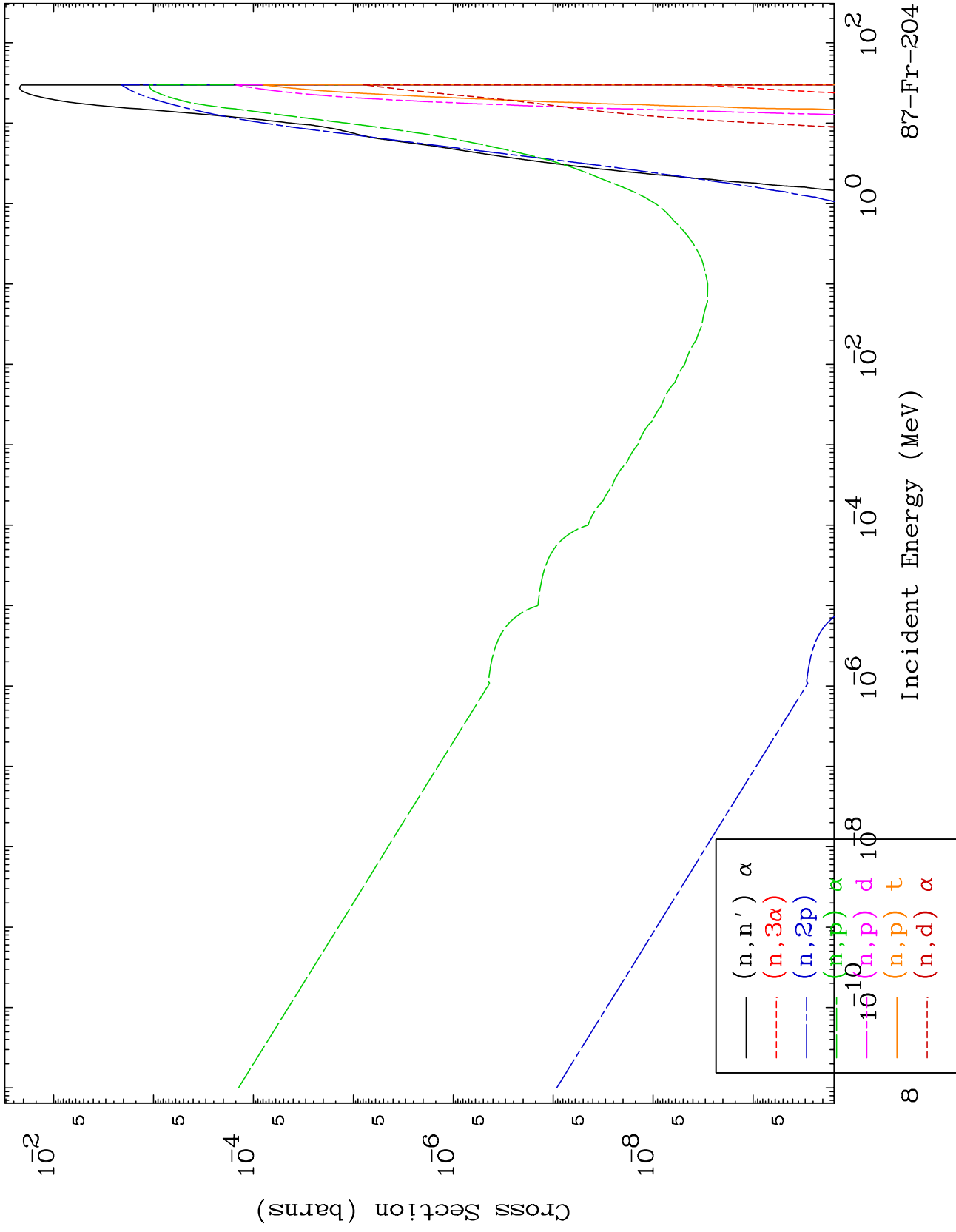
87-Fr-204



MAT 8701

Charged Particle
293 Kelvin Cross Sections

87-Fr-204

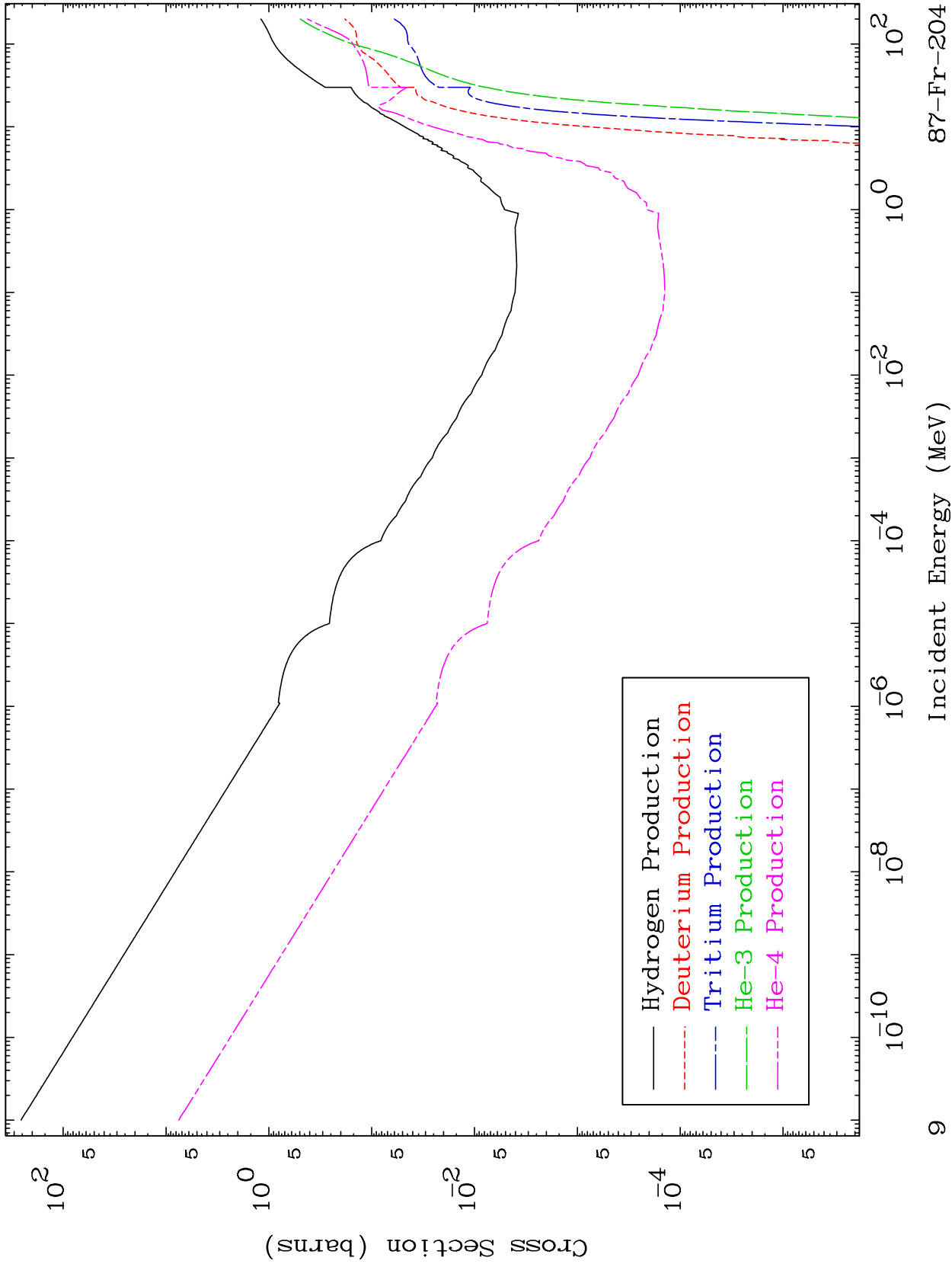


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MAT 8701

Particle Production
293 Kelvin Cross Sections

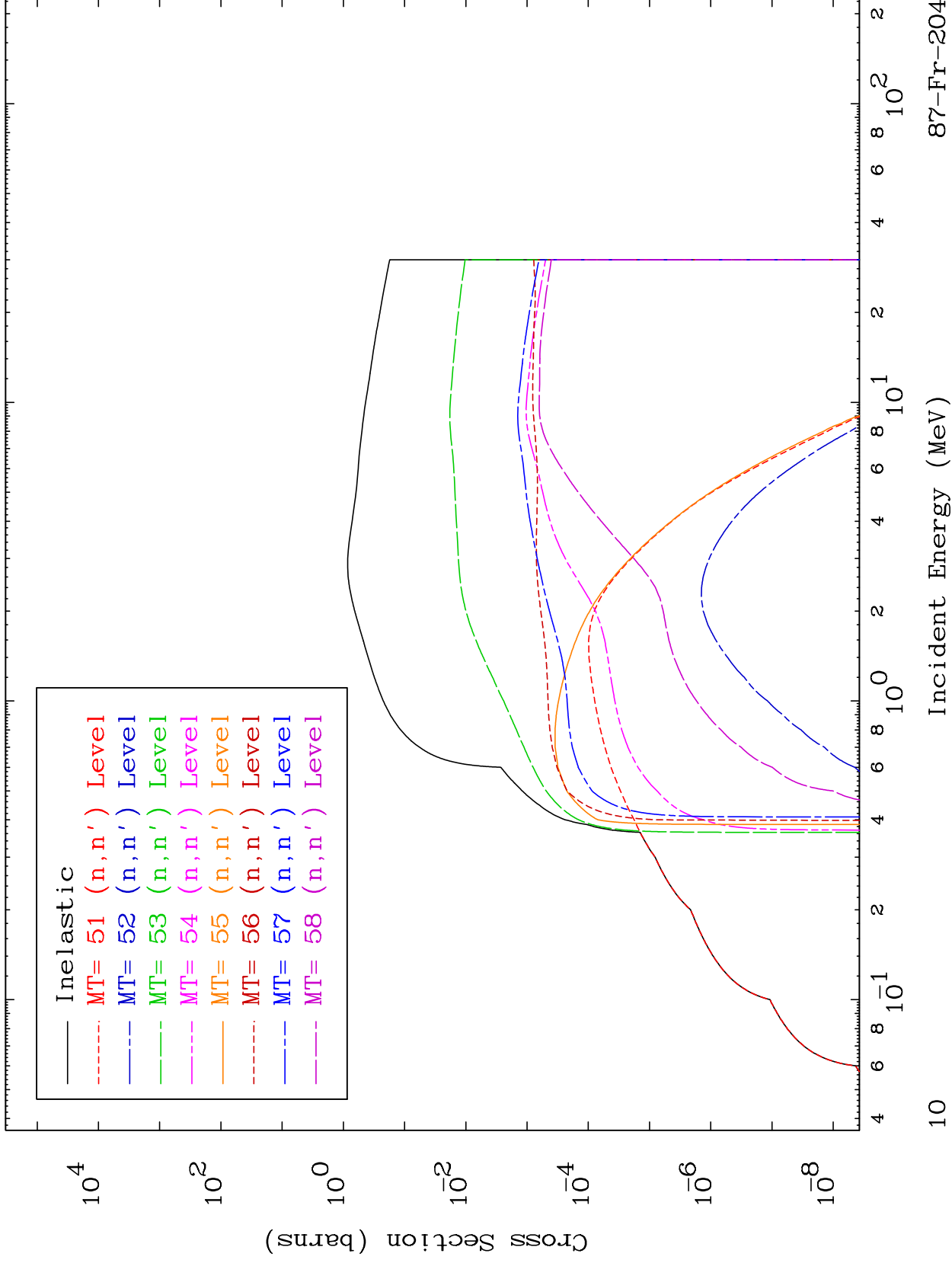
87-Fr-204



MAT 8701

(n,n') Levels
293 Kelvin Cross Sections

87-Fr-204



10

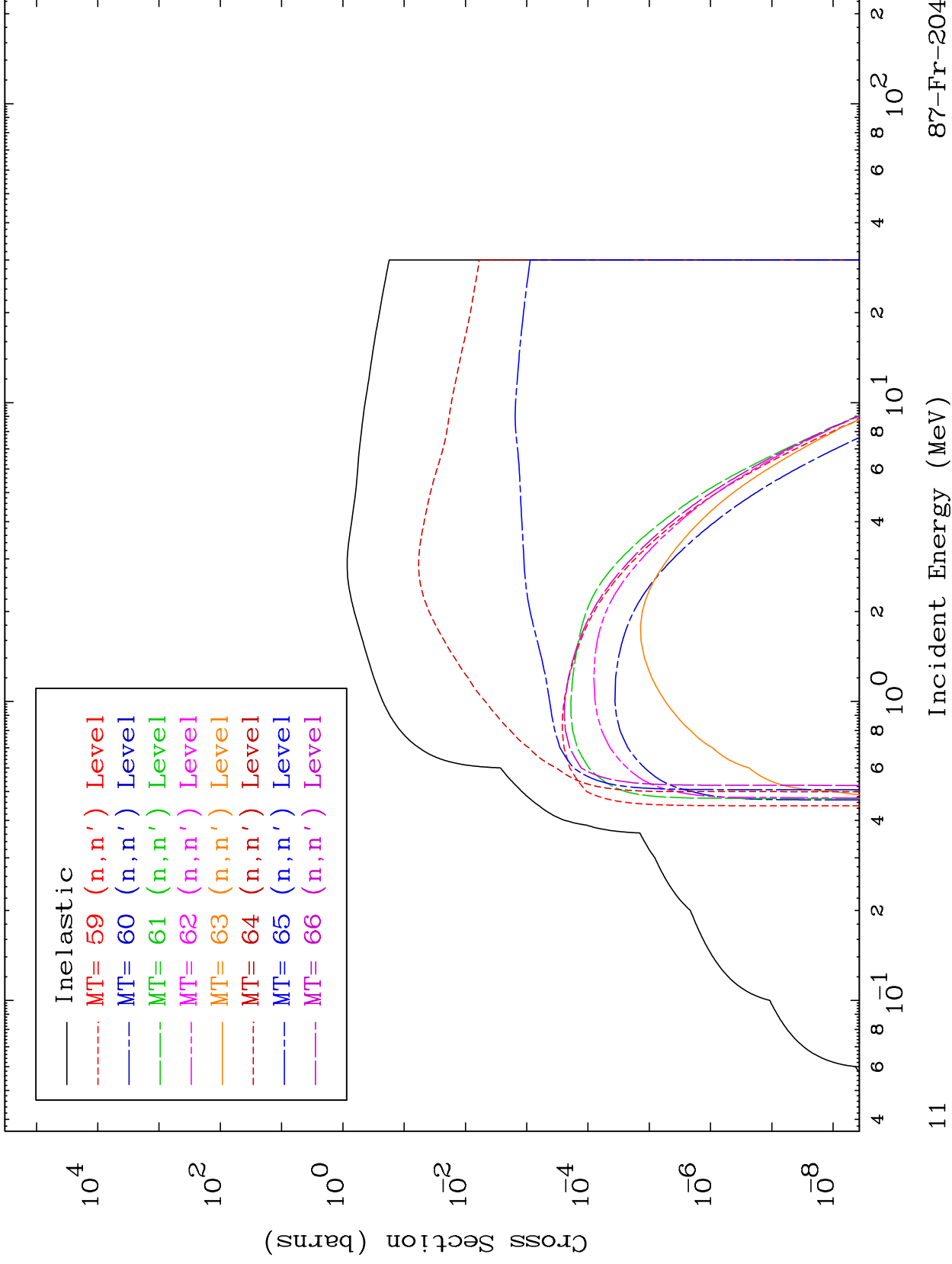
Incident Energy (MeV)

87-Fr-204

MAT 8701

(n,n') Levels
293 Kelvin Cross Sections

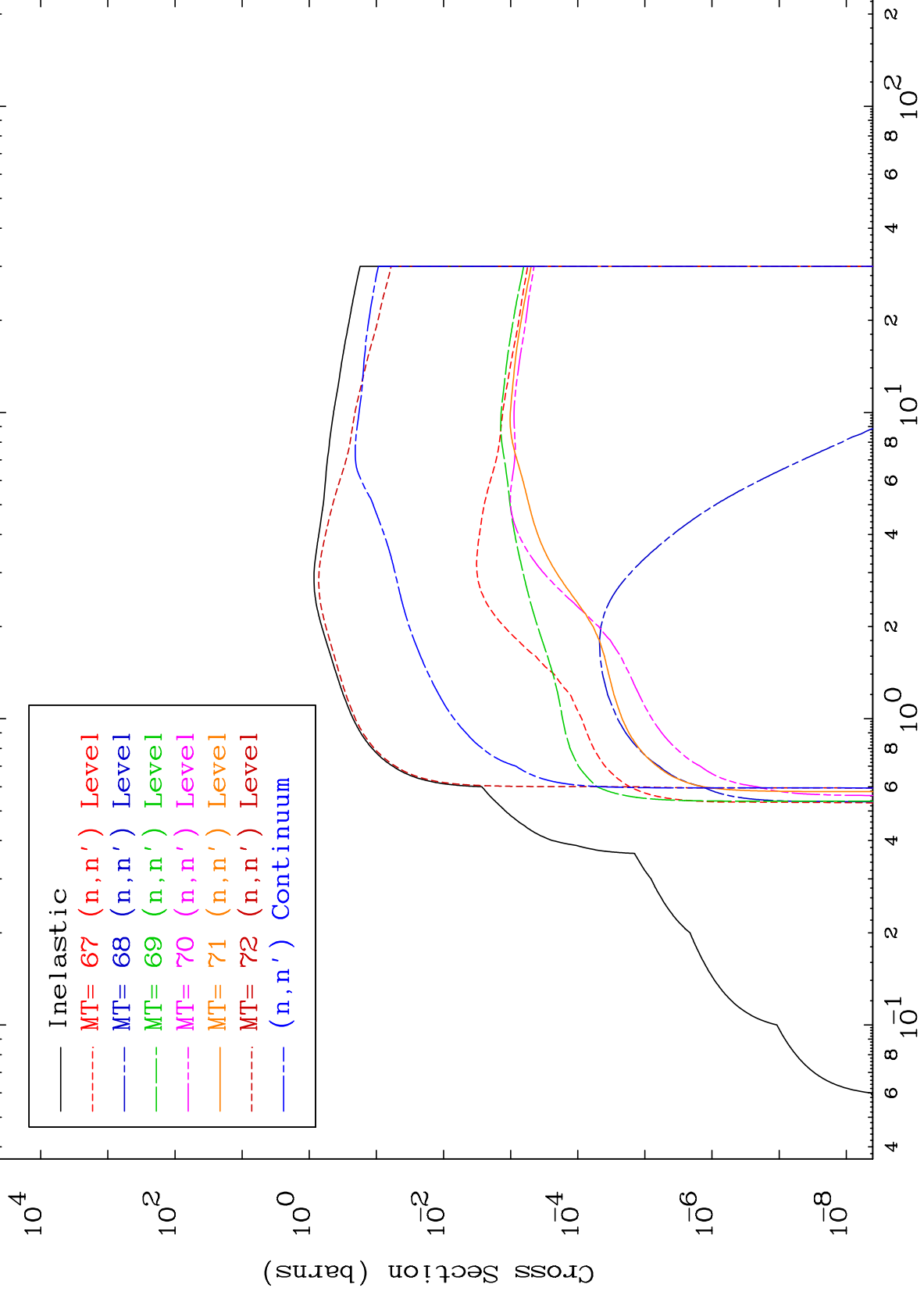
87-Fr-204



MAT 8701

(n,n') Levels
293 Kelvin Cross Sections

87-Fr-204



12

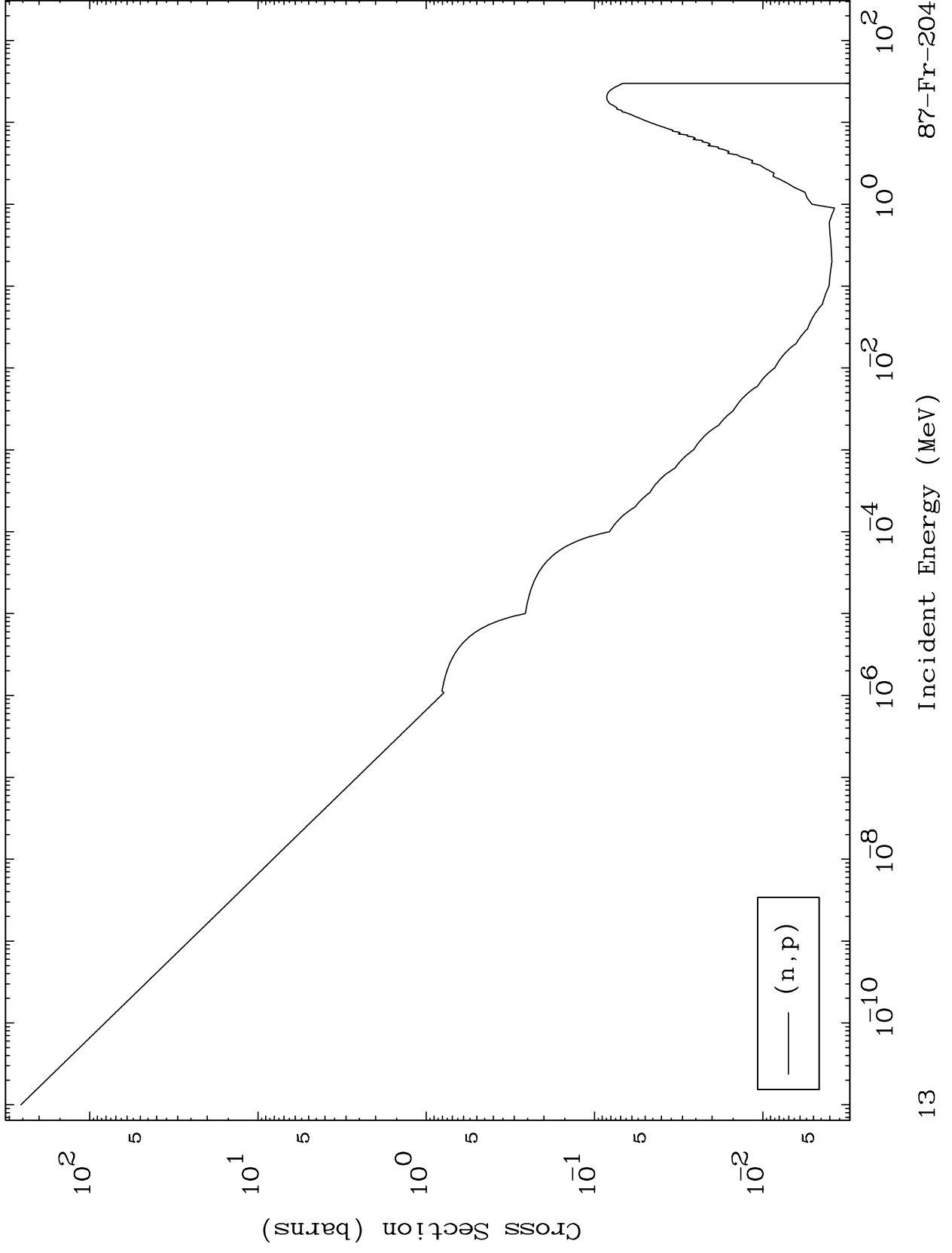
Incident Energy (MeV)

87-Fr-204

MAT 8701

(n,p) Levels
293 Kelvin Cross Sections

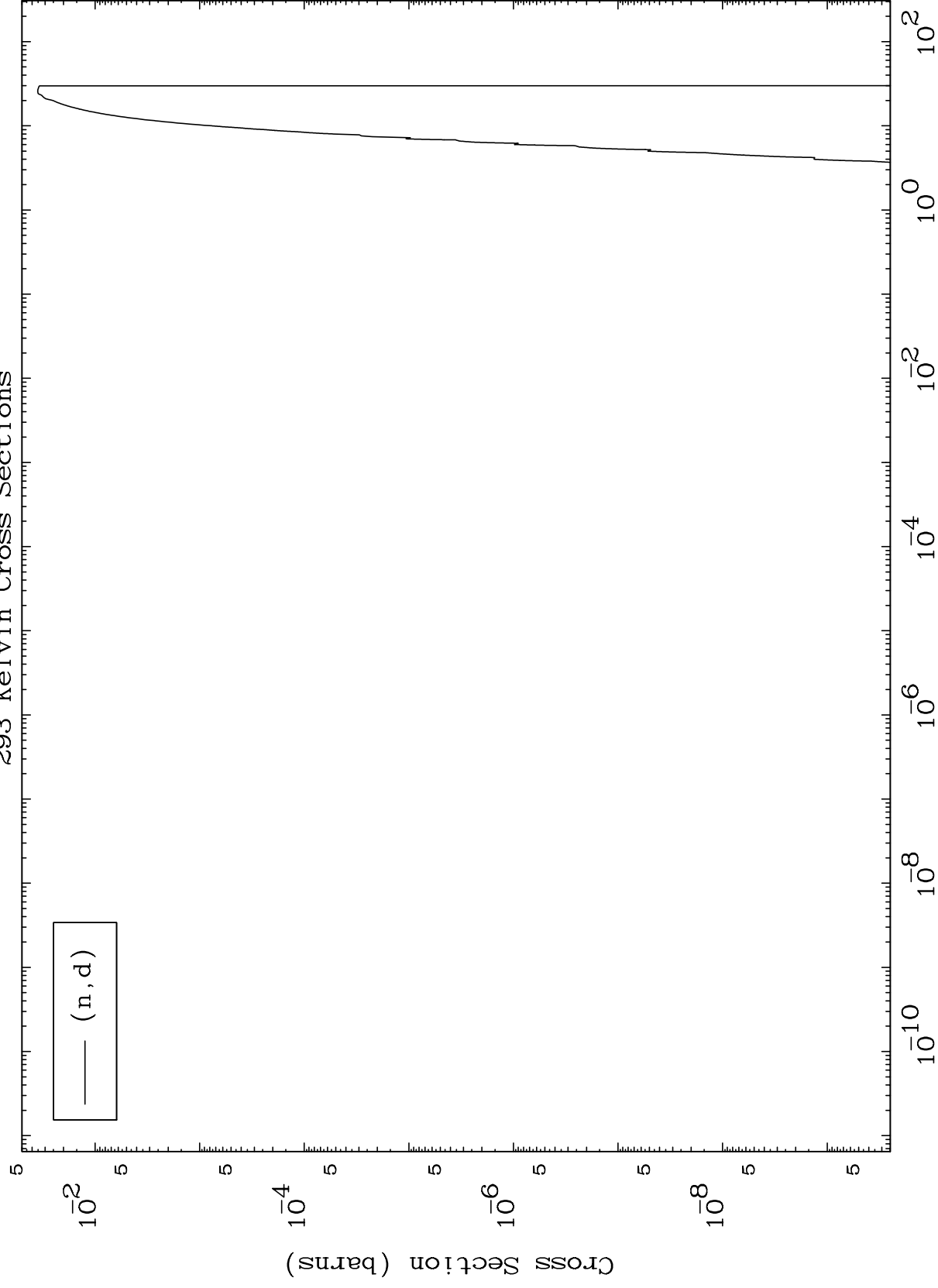
87-Fr-204



MAT 8701

(n,d) Levels
293 Kelvin Cross Sections

87-Fr-204



14

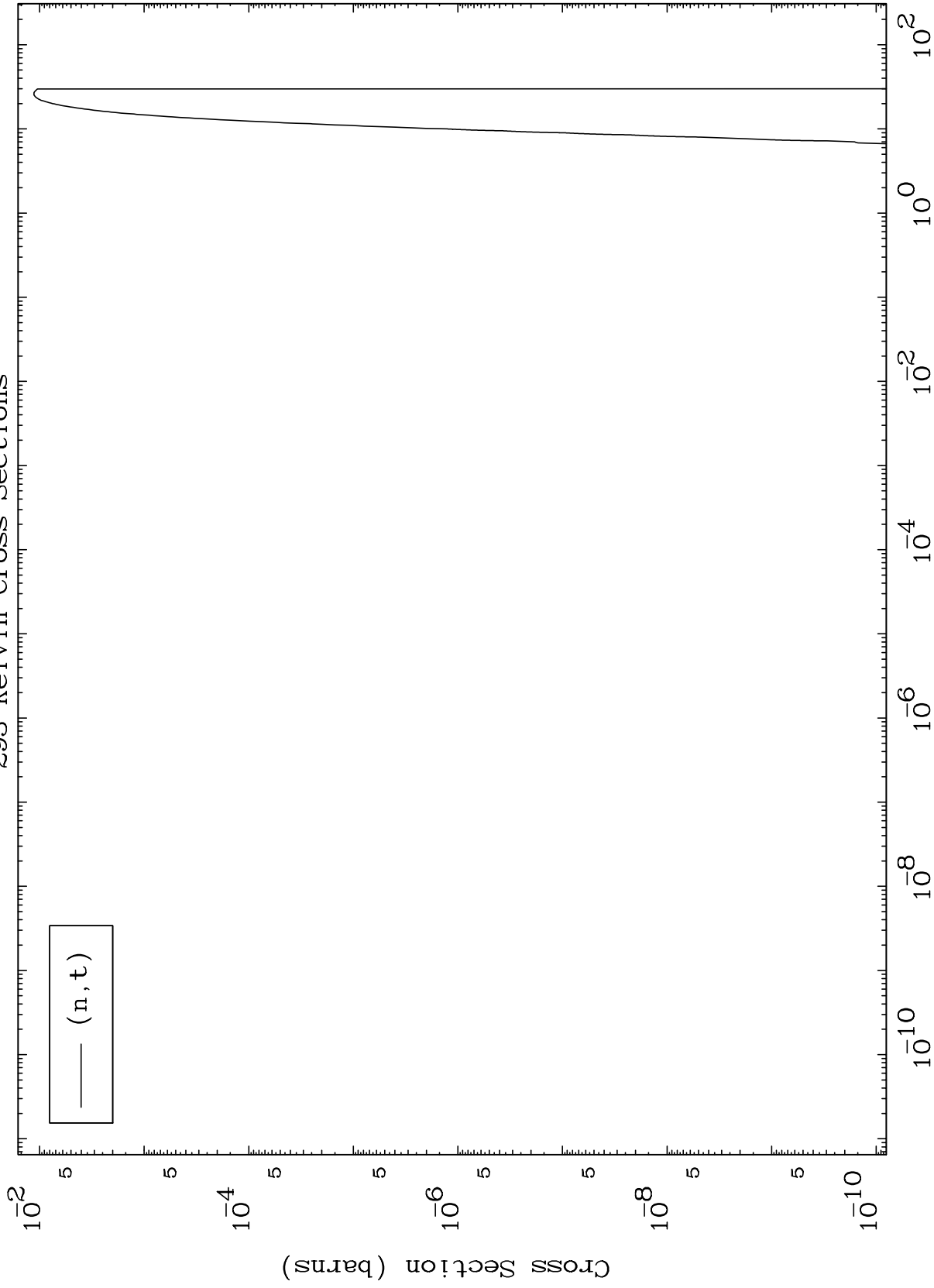
Incident Energy (MeV)

87-Fr-204

MAT 8701

(n,t) Levels
293 Kelvin Cross Sections

87-Fr-204



15

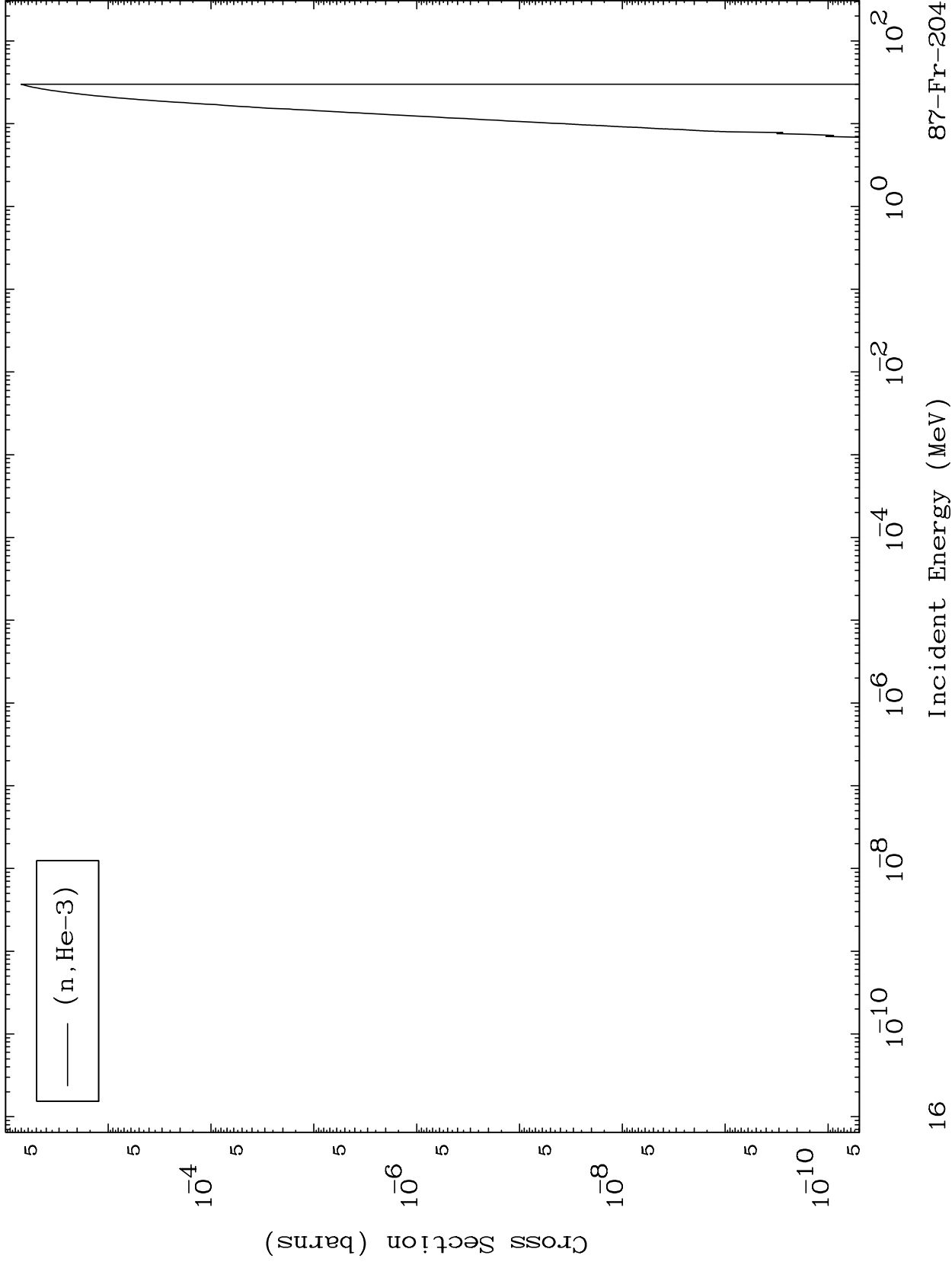
Incident Energy (MeV)

87-Fr-204

MAT 8701

(n,He3) Levels
293 Kelvin Cross Sections

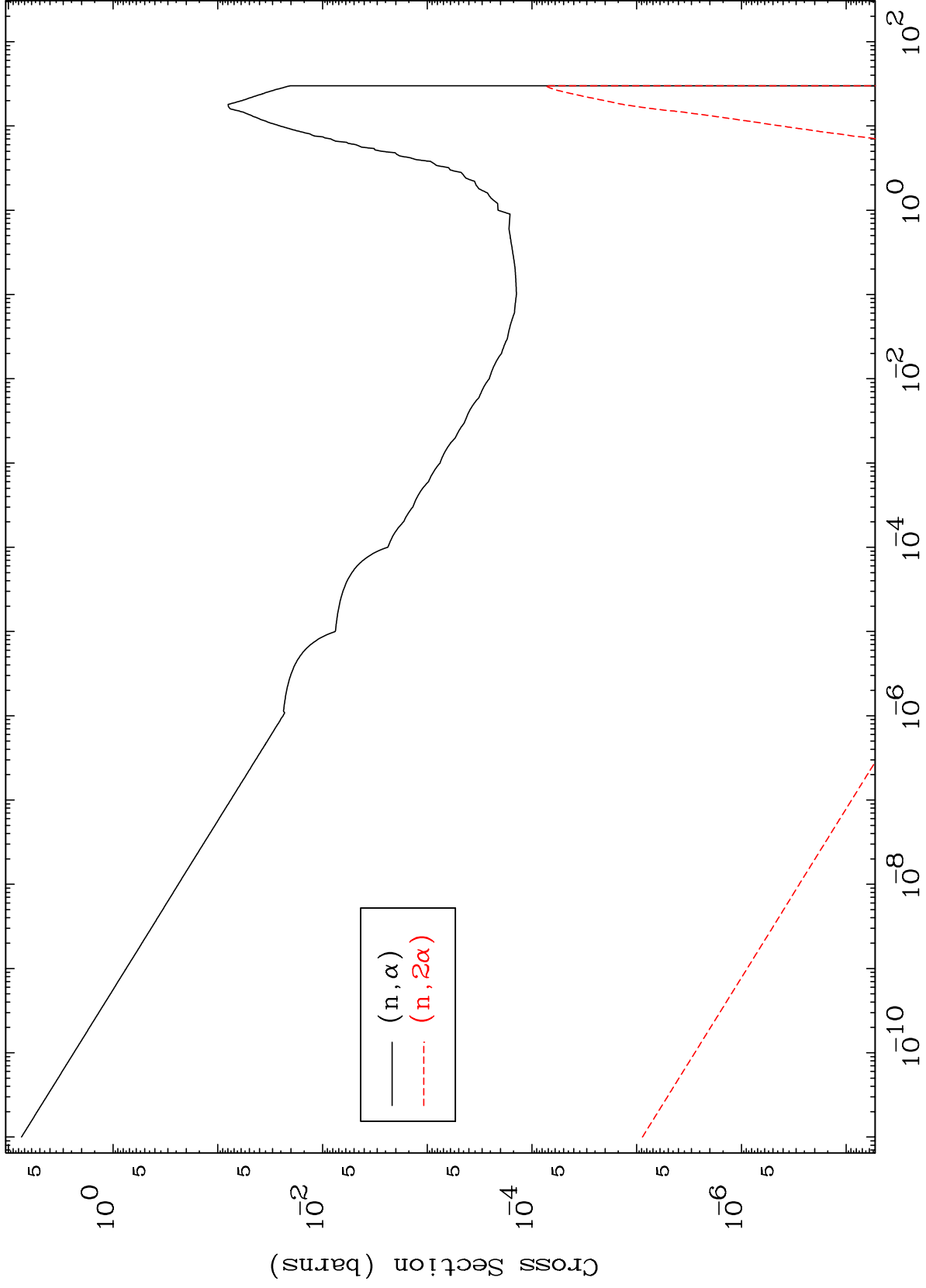
87-Fr-204



MAT 8701

(n,α) Levels
293 Kelvin Cross Sections

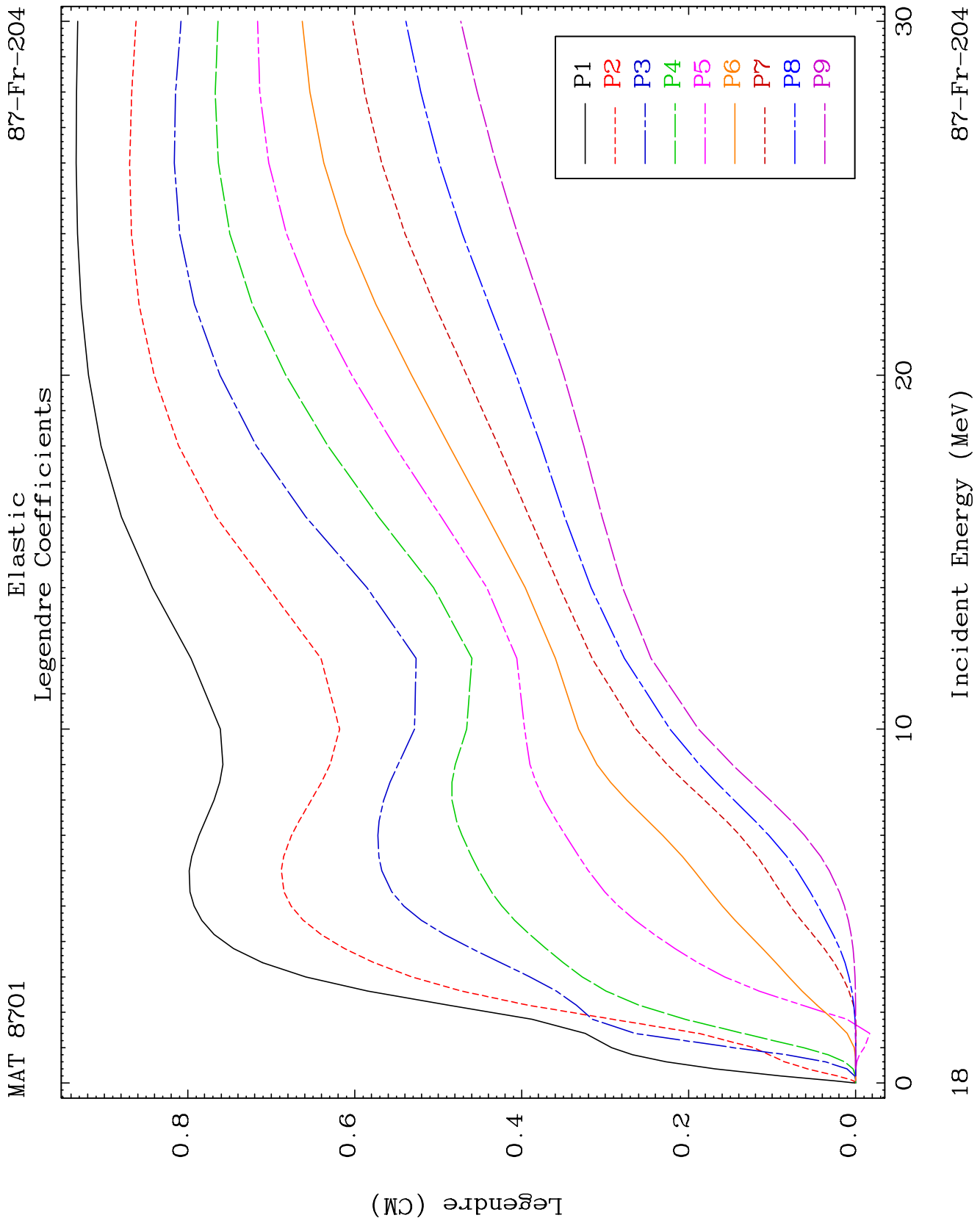
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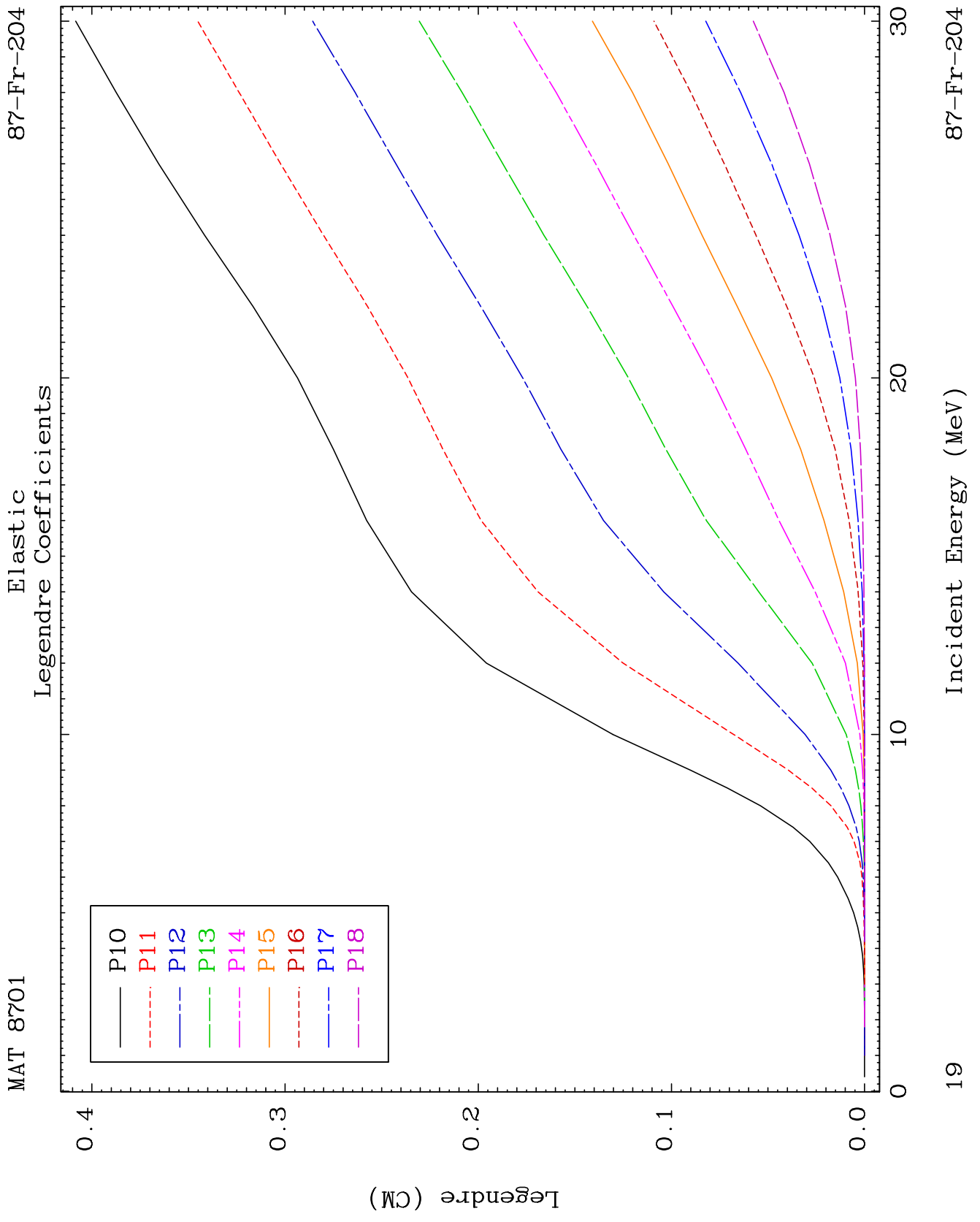


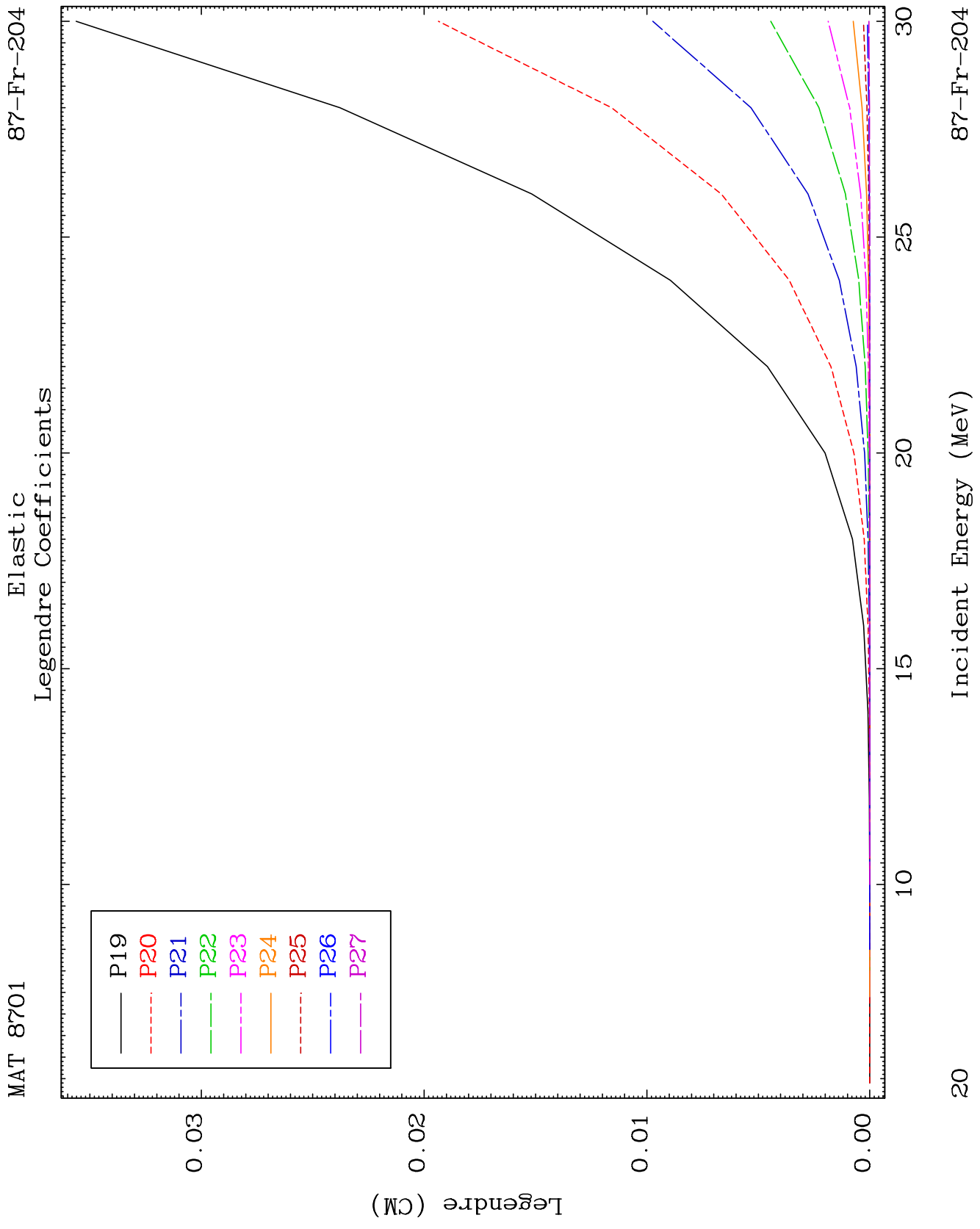
17

Incident Energy (MeV)

87-Fr-204



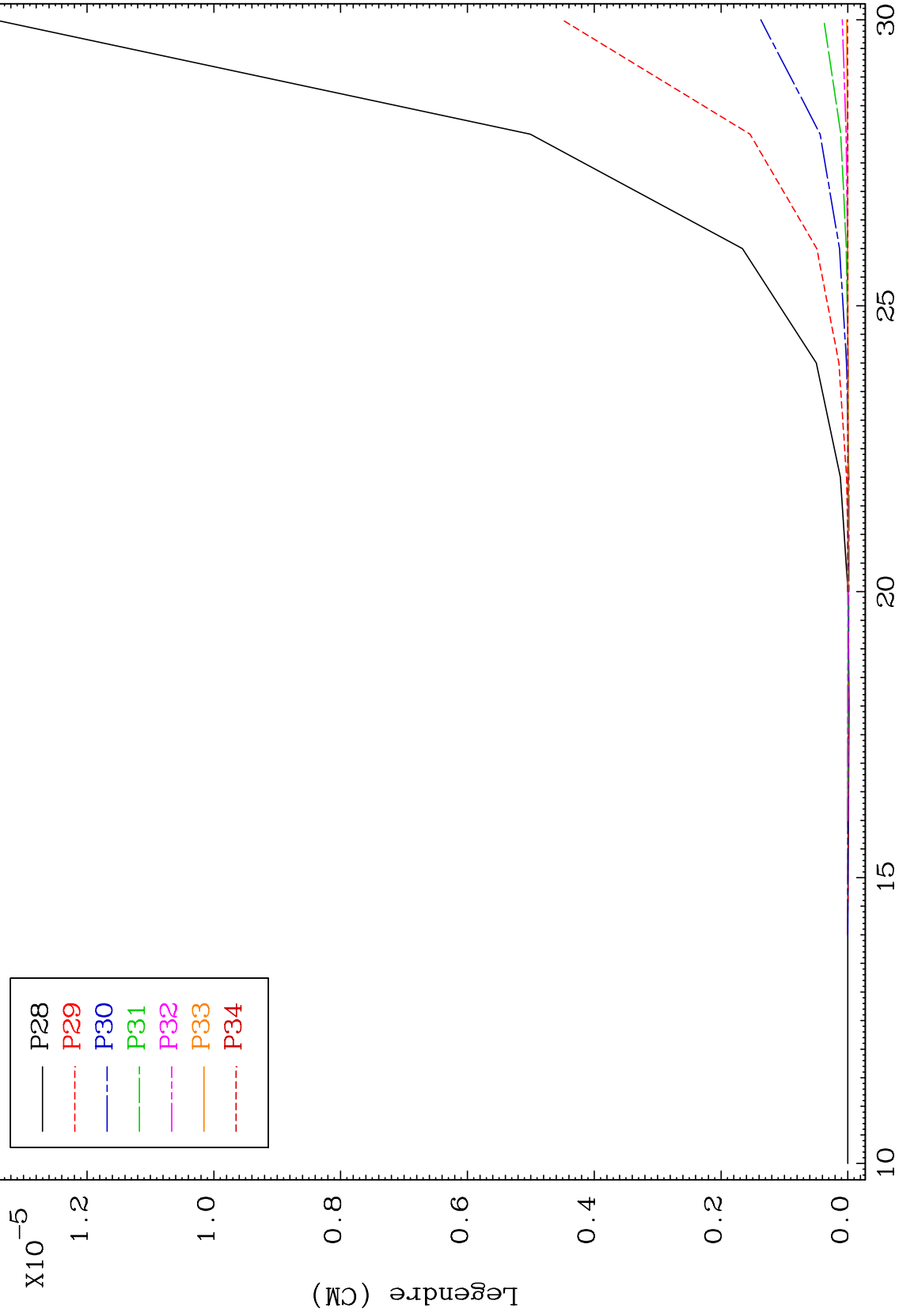
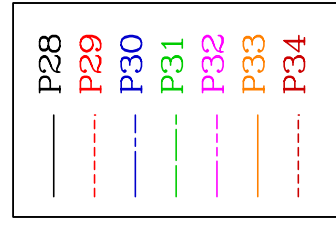




MAT 8701

Elastic
Legendre Coefficients

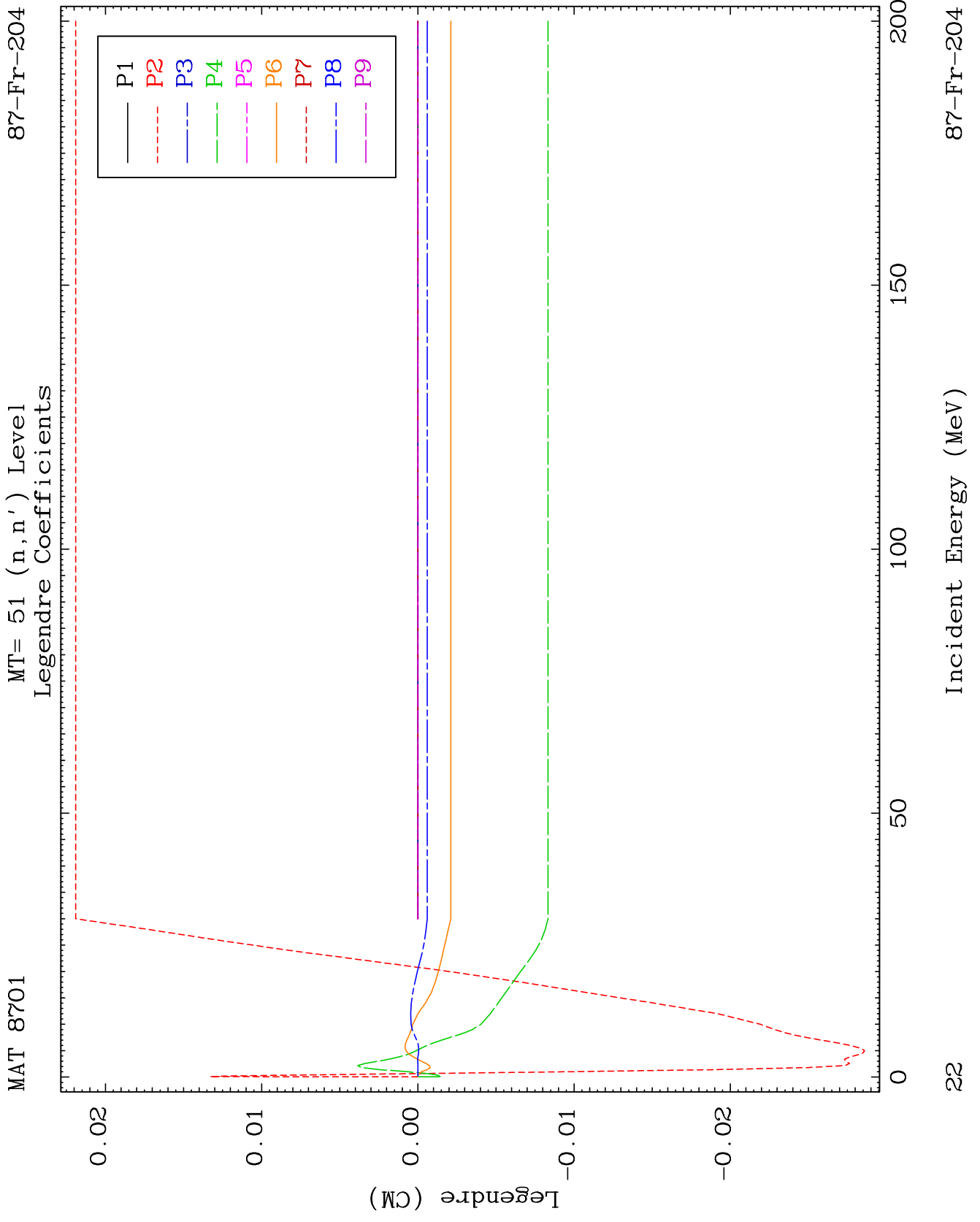
87-Fr-204



21

Incident Energy (MeV)

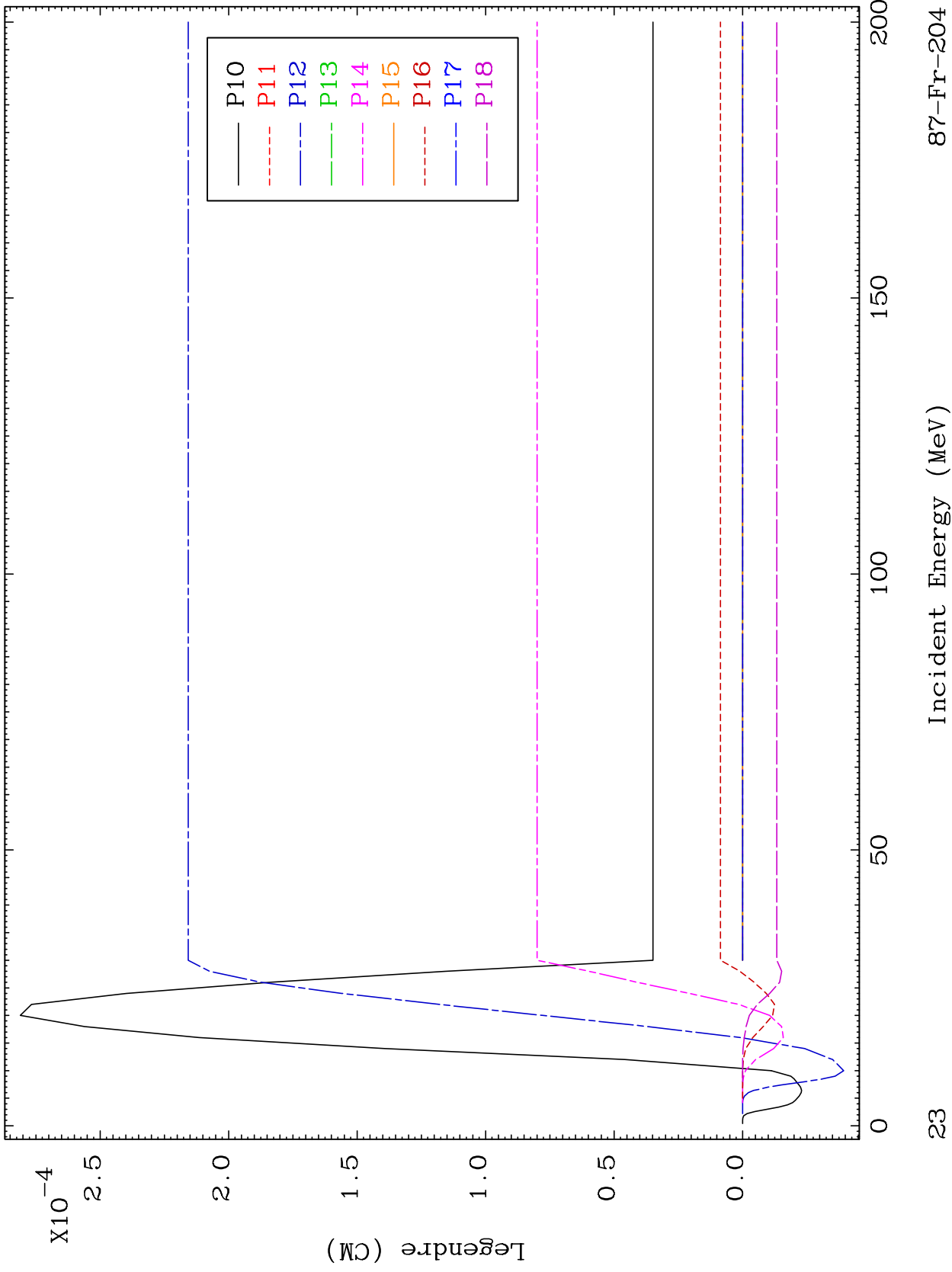
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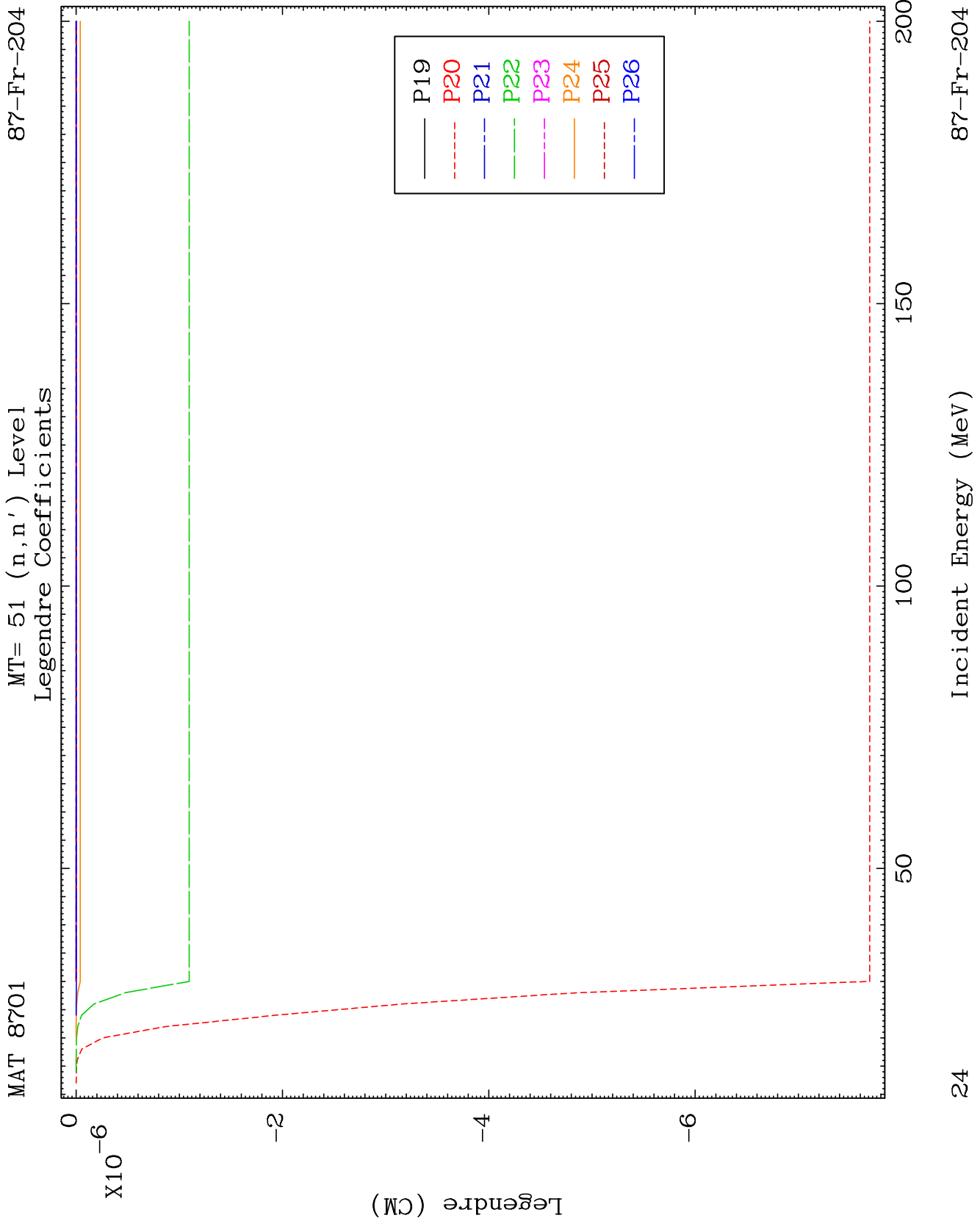


MAT 8701

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

87-Fr-204

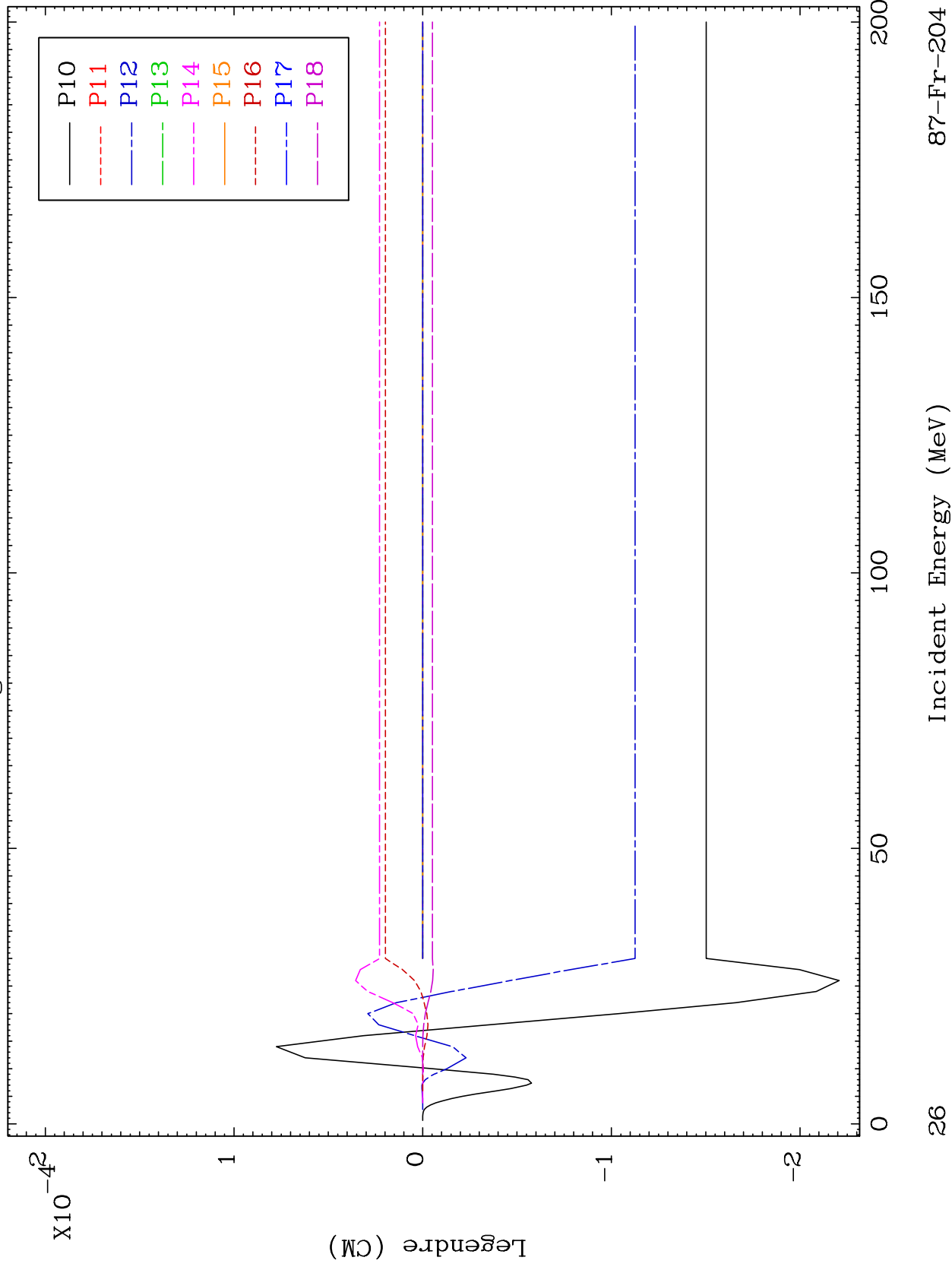




MAT 8701

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

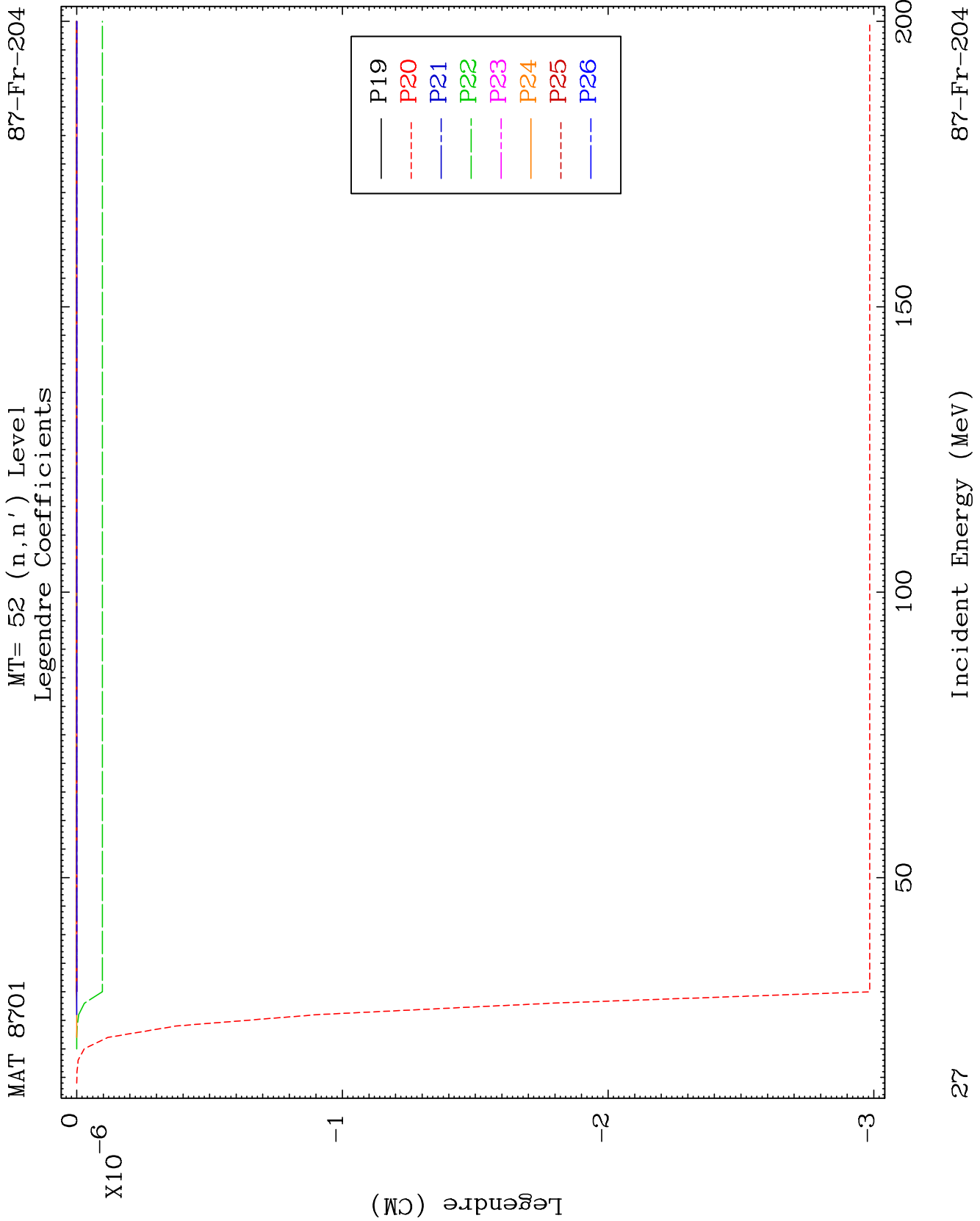
87-Fr-204



87-Fr-204

Incident Energy (MeV)

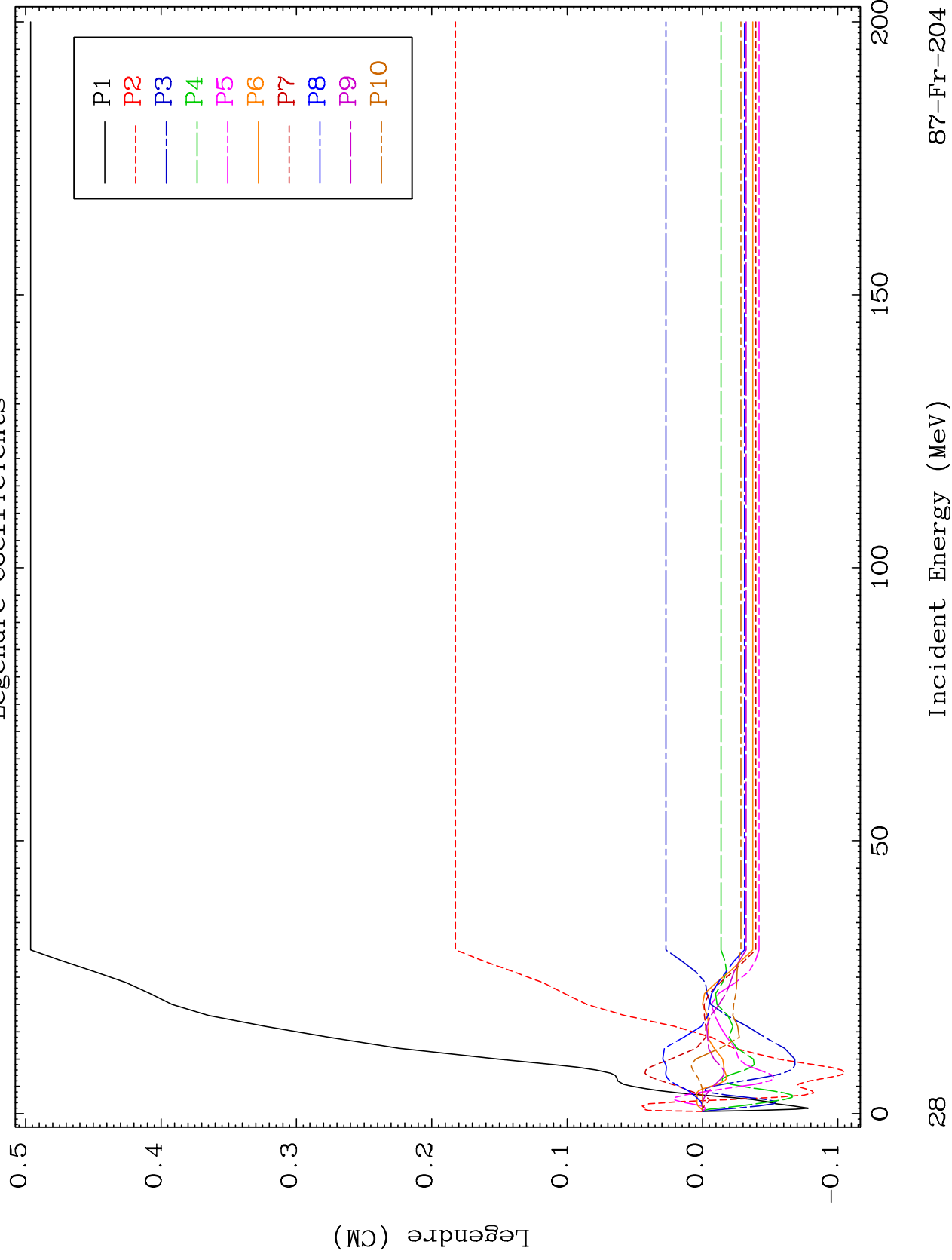
26



MAT 8701

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

87-Fr-204



87-Fr-204

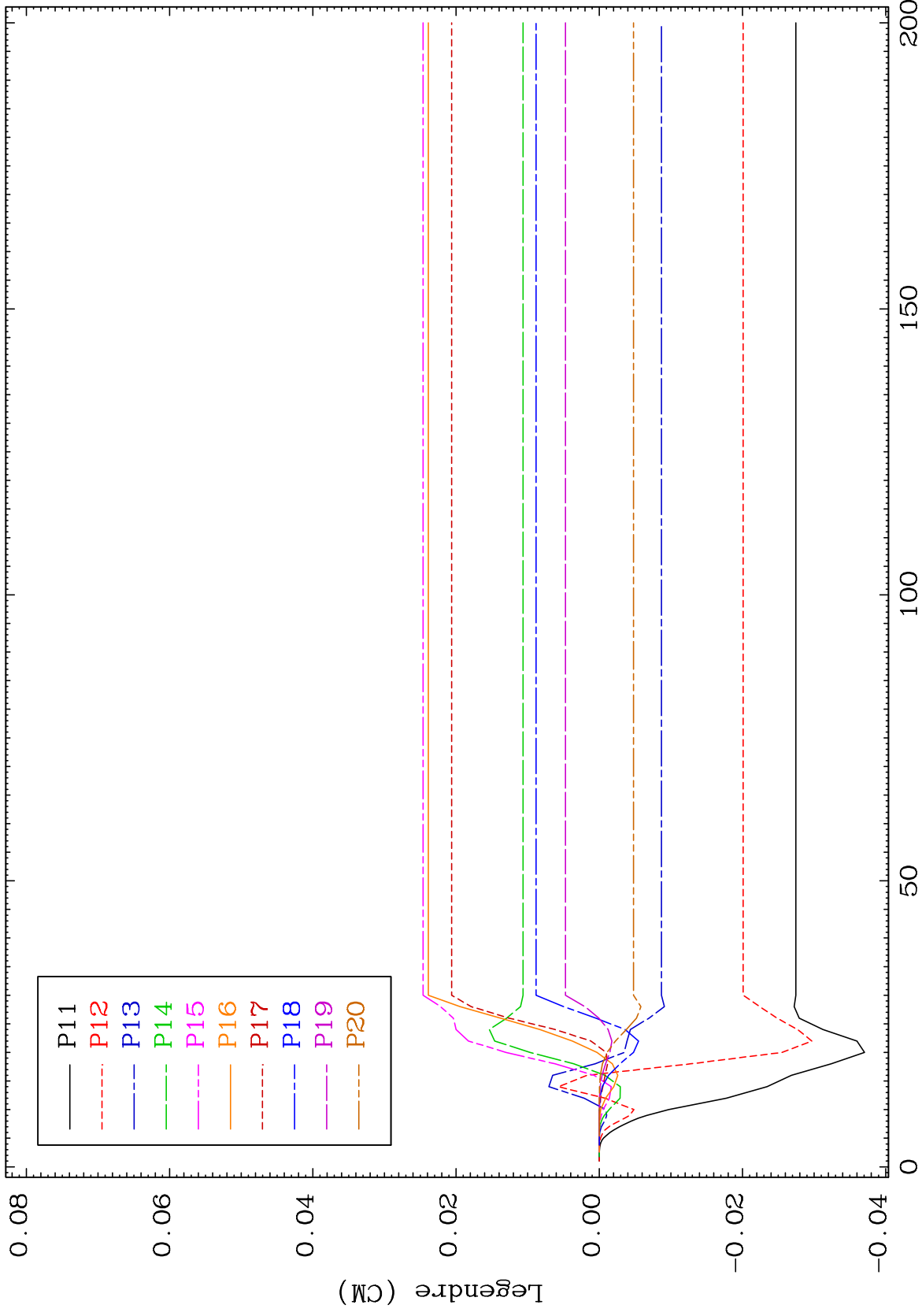
Incident Energy (MeV)

28

MAT 8701

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

87-Fr-204



29

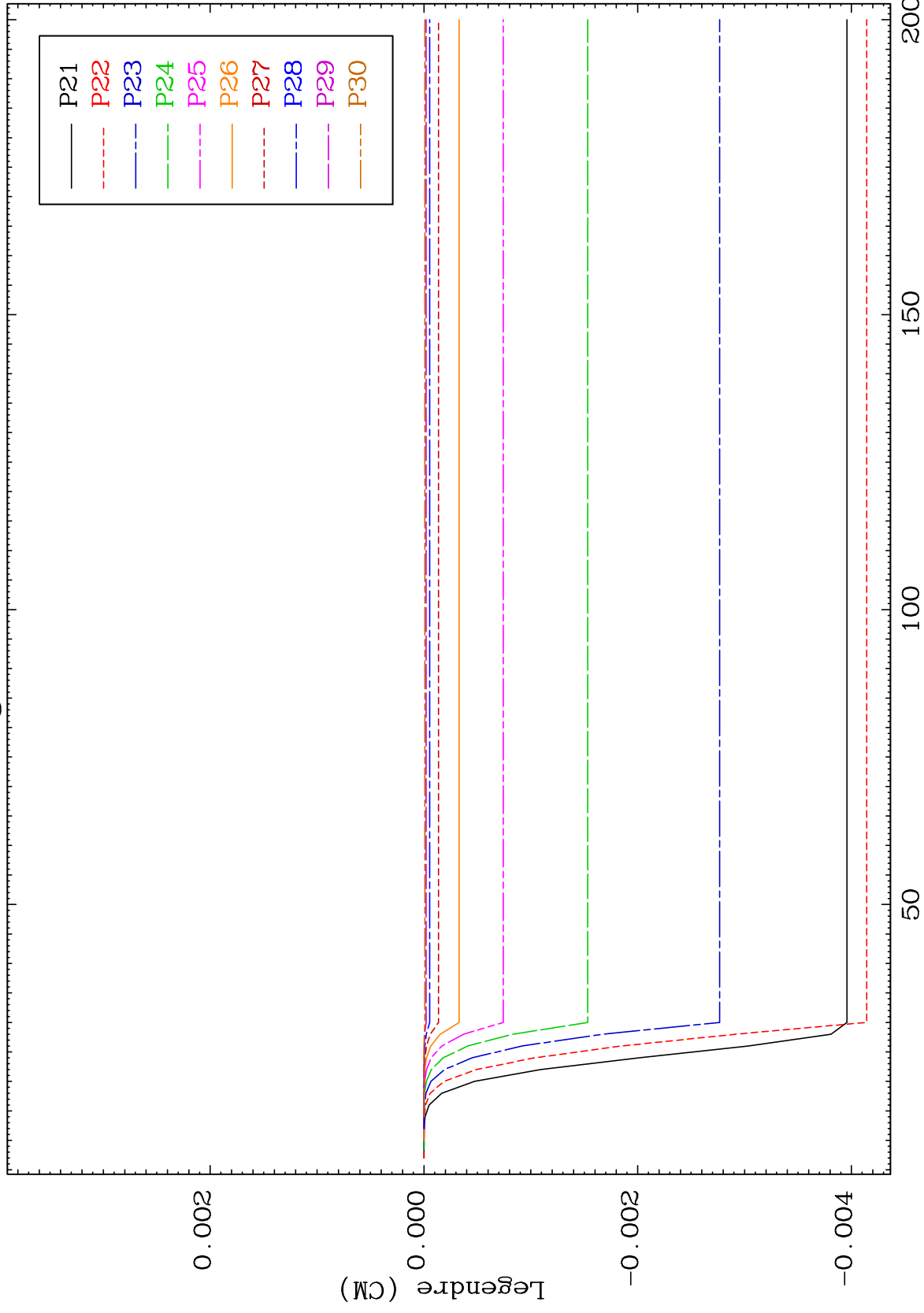
Incident Energy (MeV)

87-Fr-204

MAT 8701

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

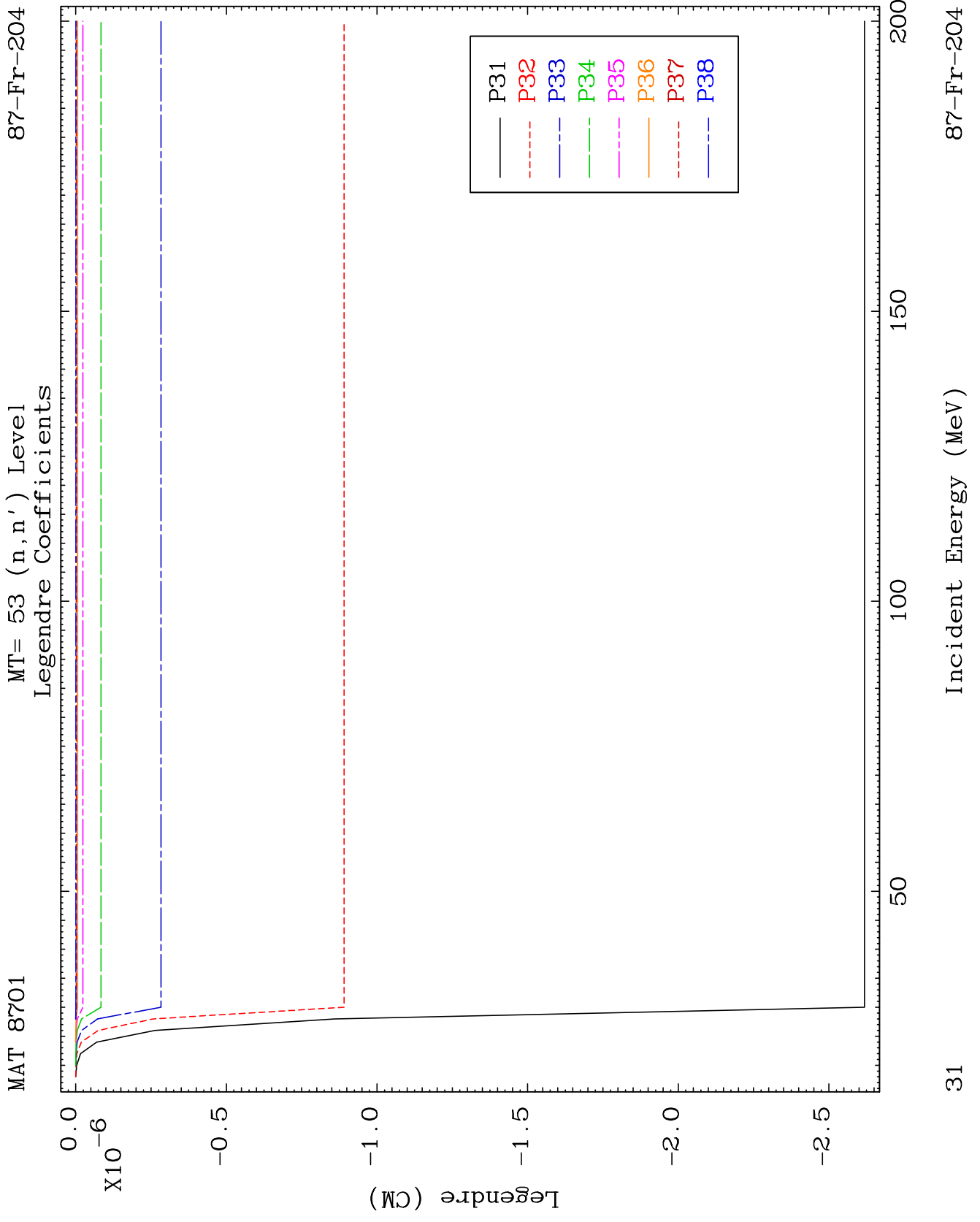
87-Fr-204



30

Incident Energy (MeV)

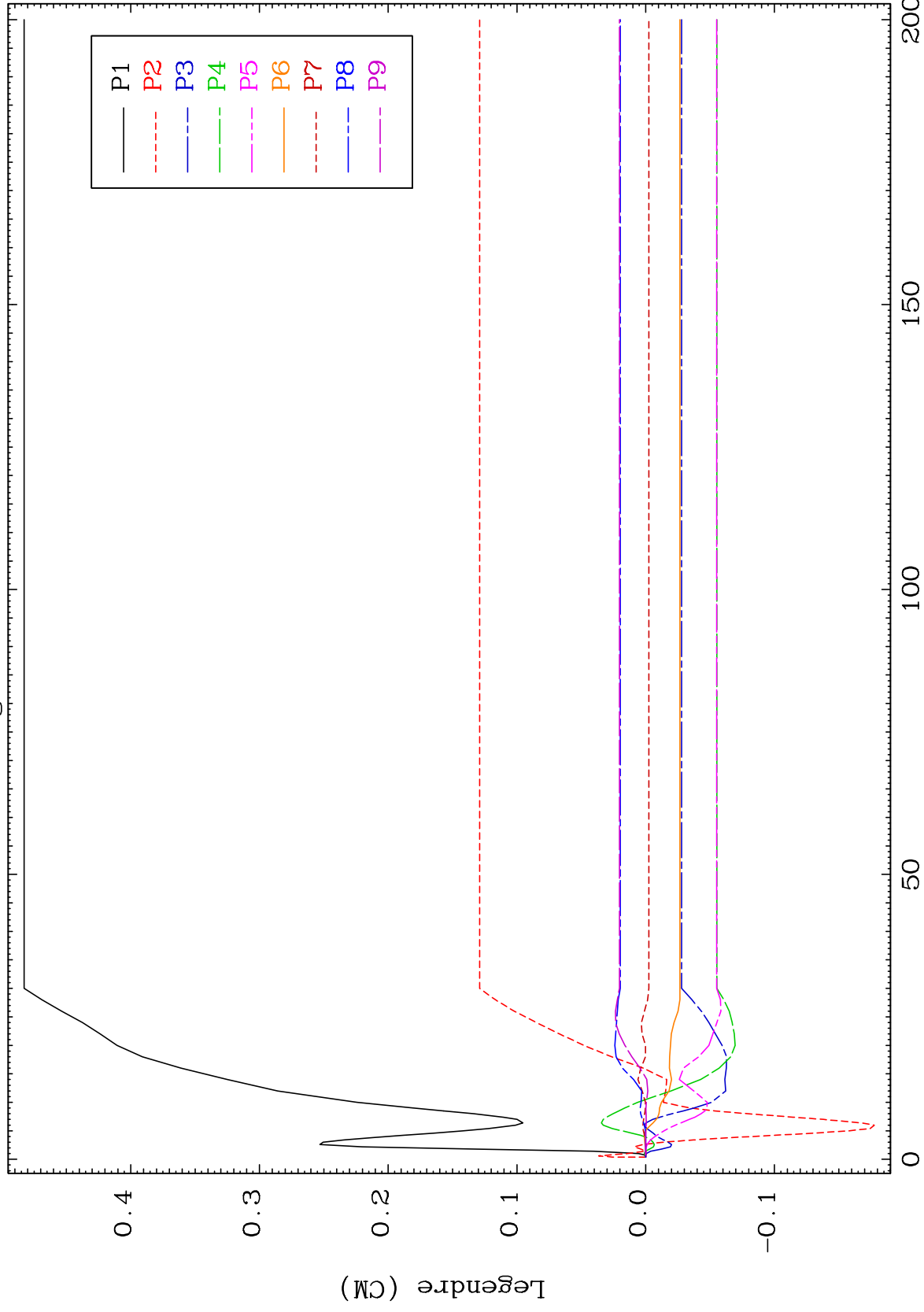
87-Fr-204



MAT 8701

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

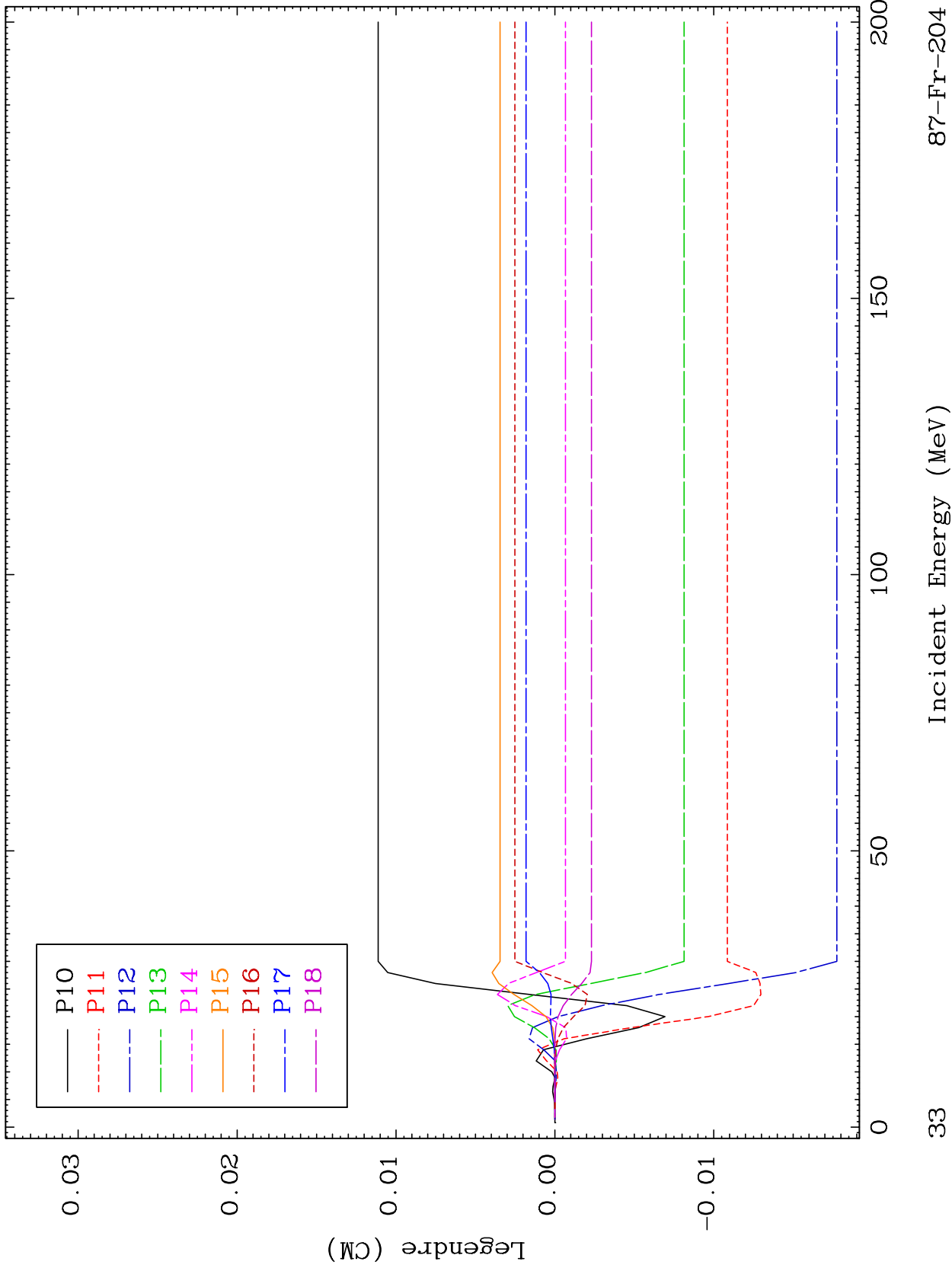
87-Fr-204



32

Incident Energy (MeV)

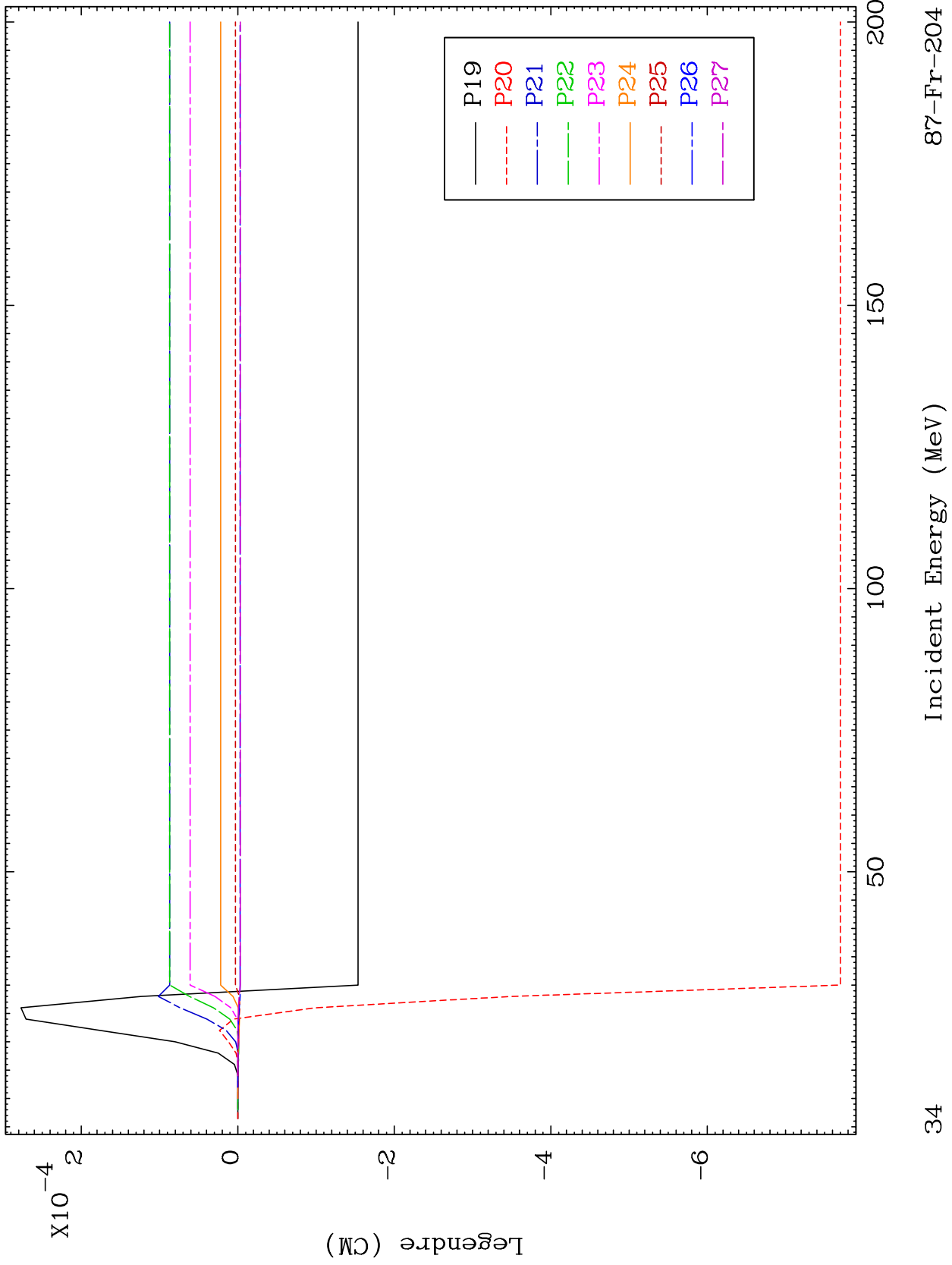
87-Fr-204



MAT 8701

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

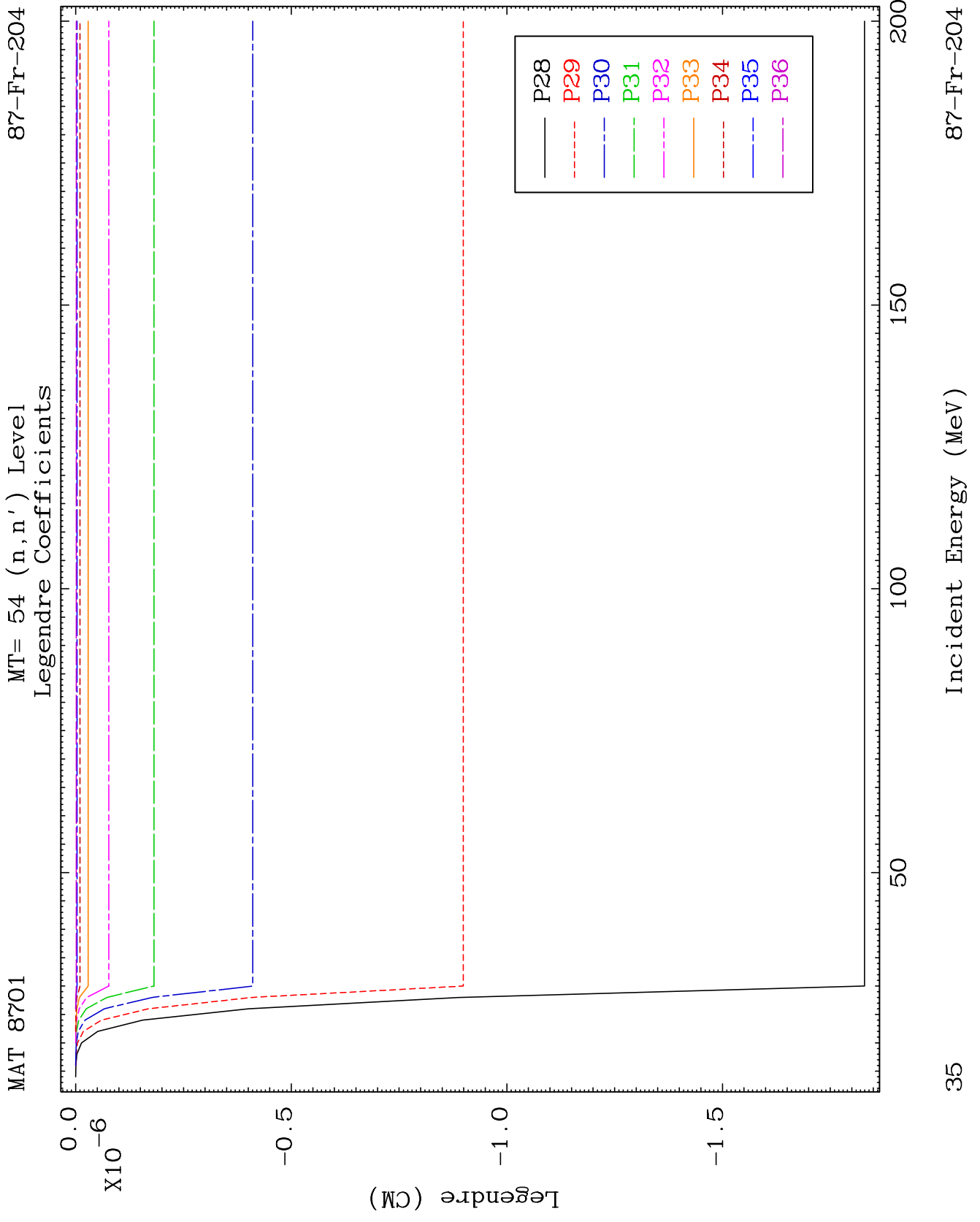
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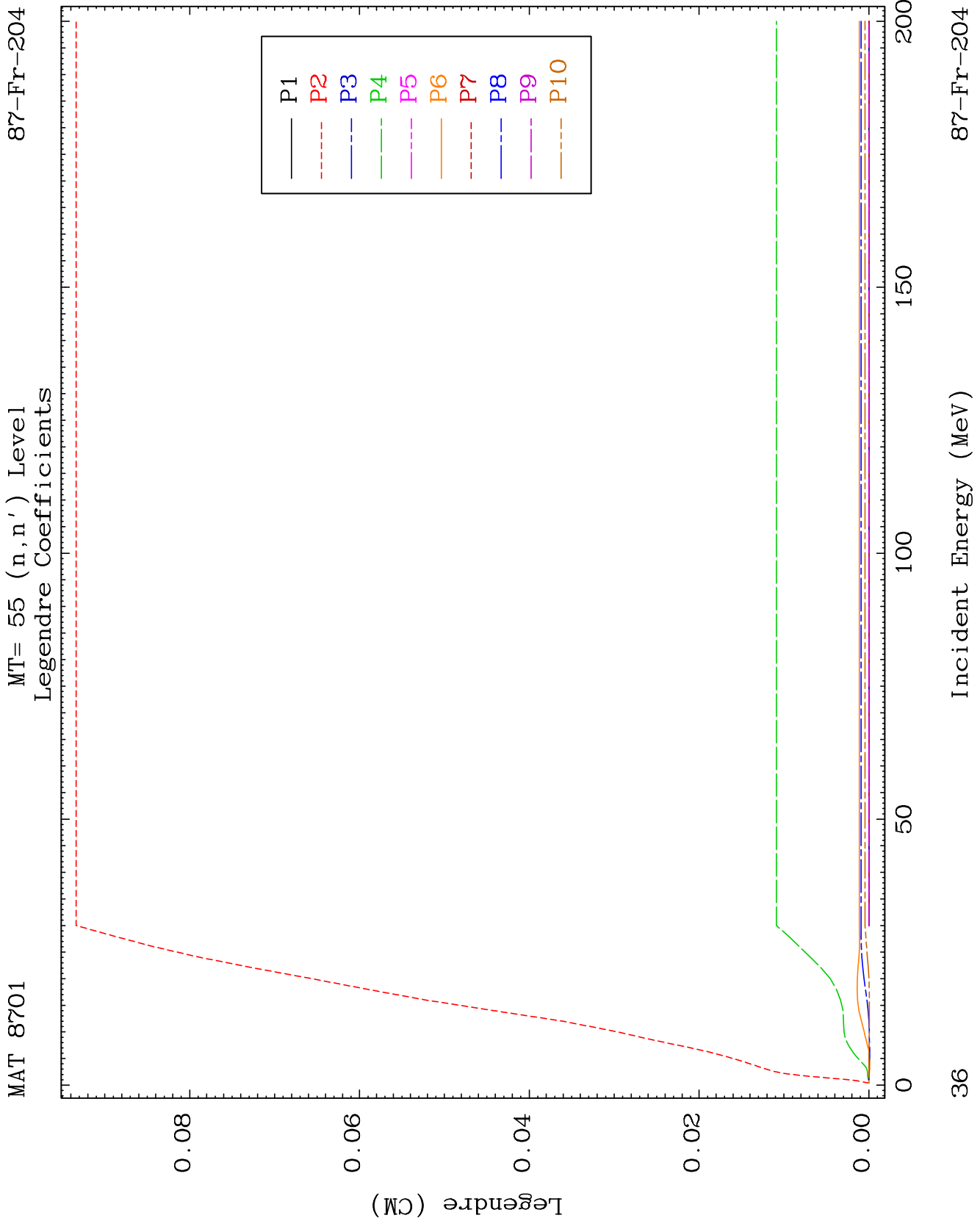


34

Incident Energy (MeV)

87-Fr-204

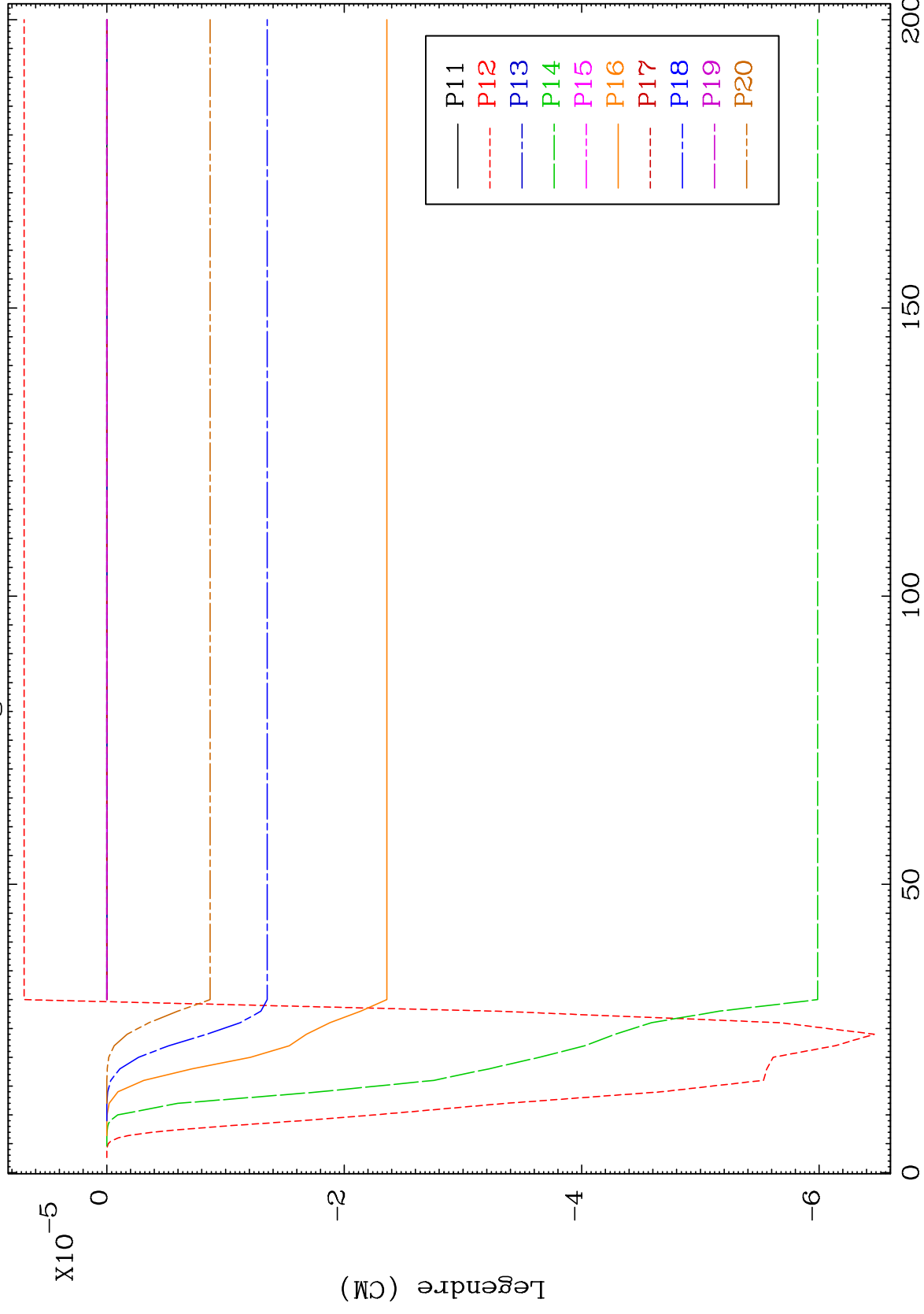




MAT 8701

87-Fr-204

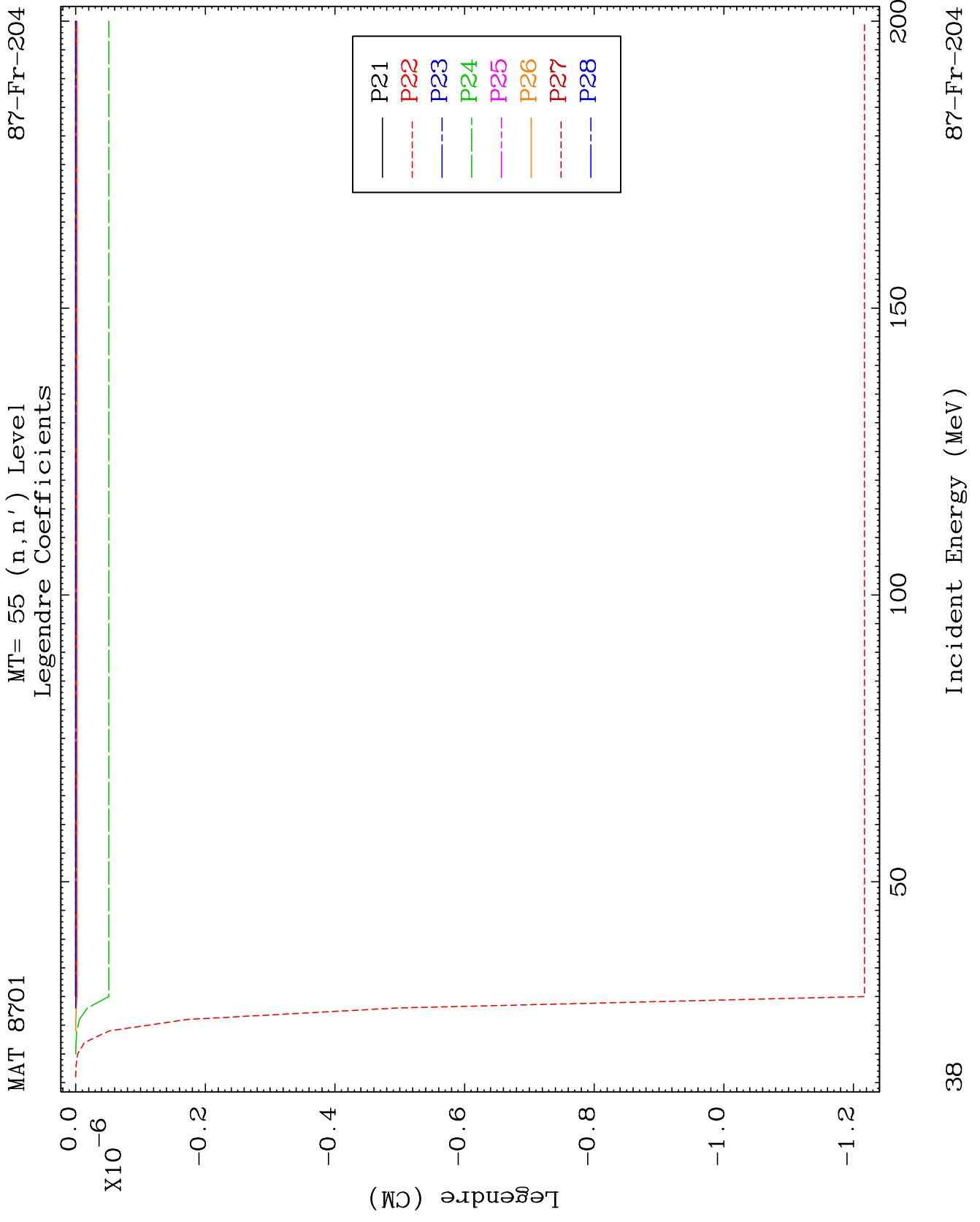
MT= 55 (n,n') Level
Legendre Coefficients



37

Incident Energy (MeV)

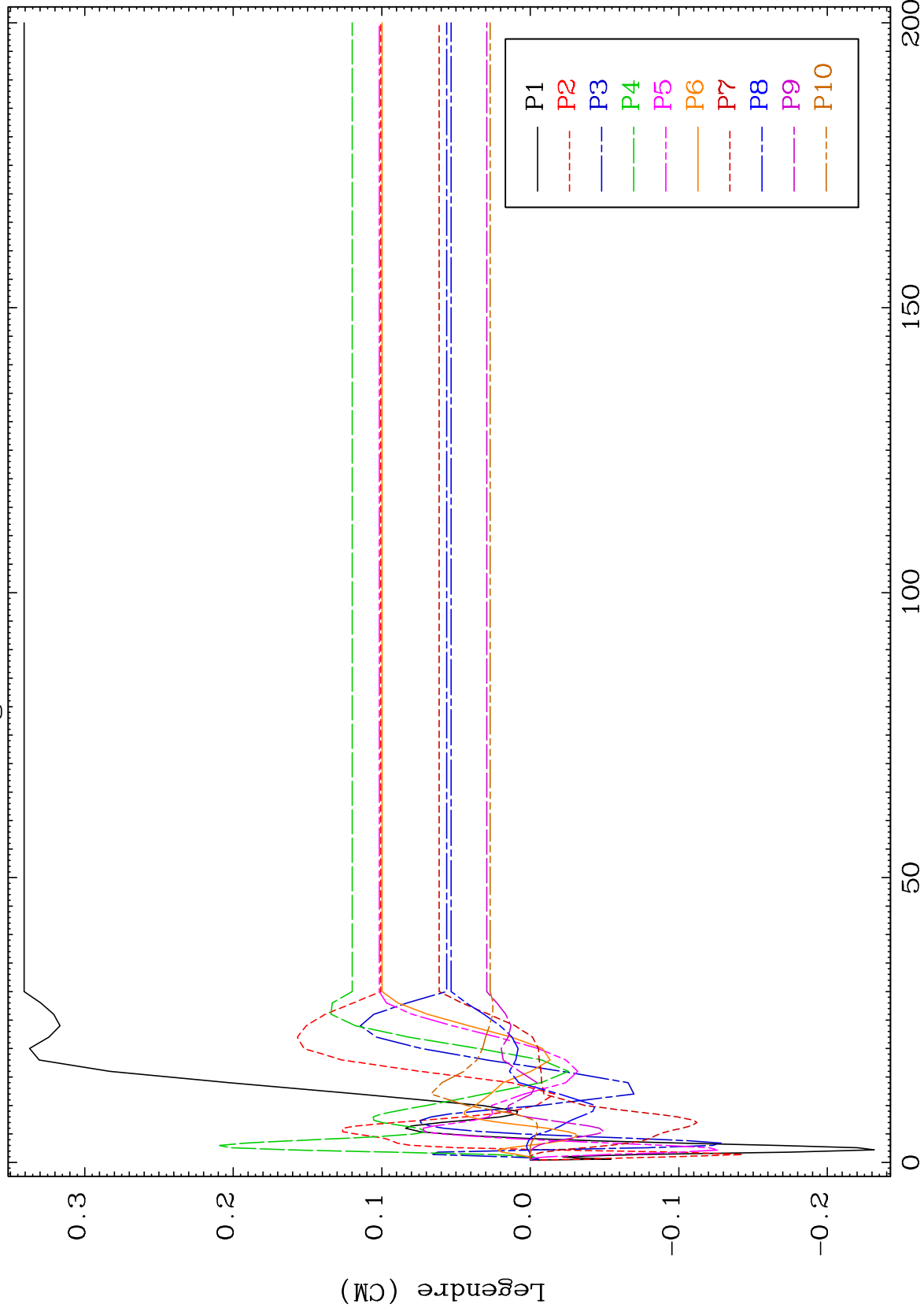
87-Fr-204



MAT 8701

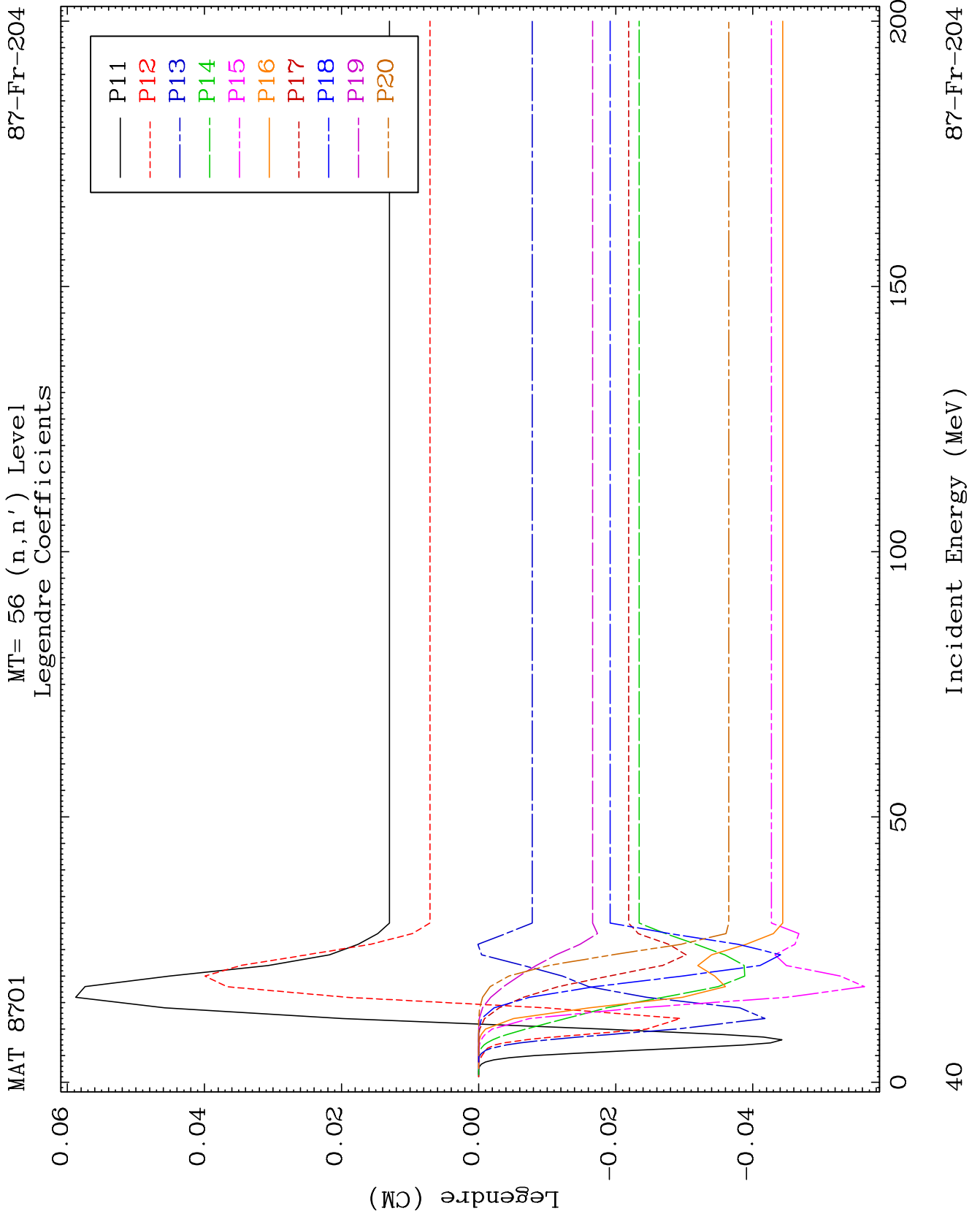
MT= 56 (n,n') Level
Legendre Coefficients

87-Fr-204



39

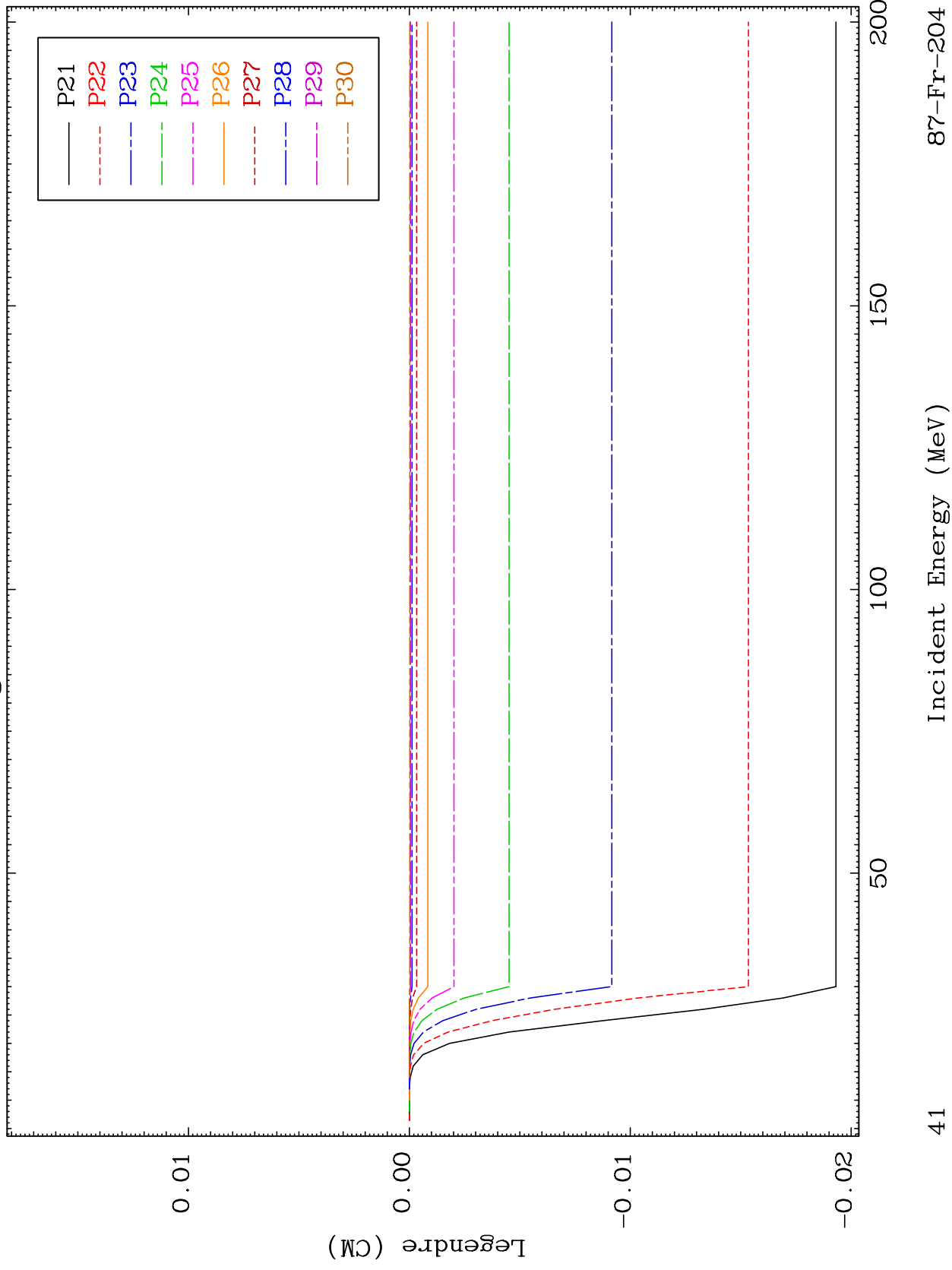
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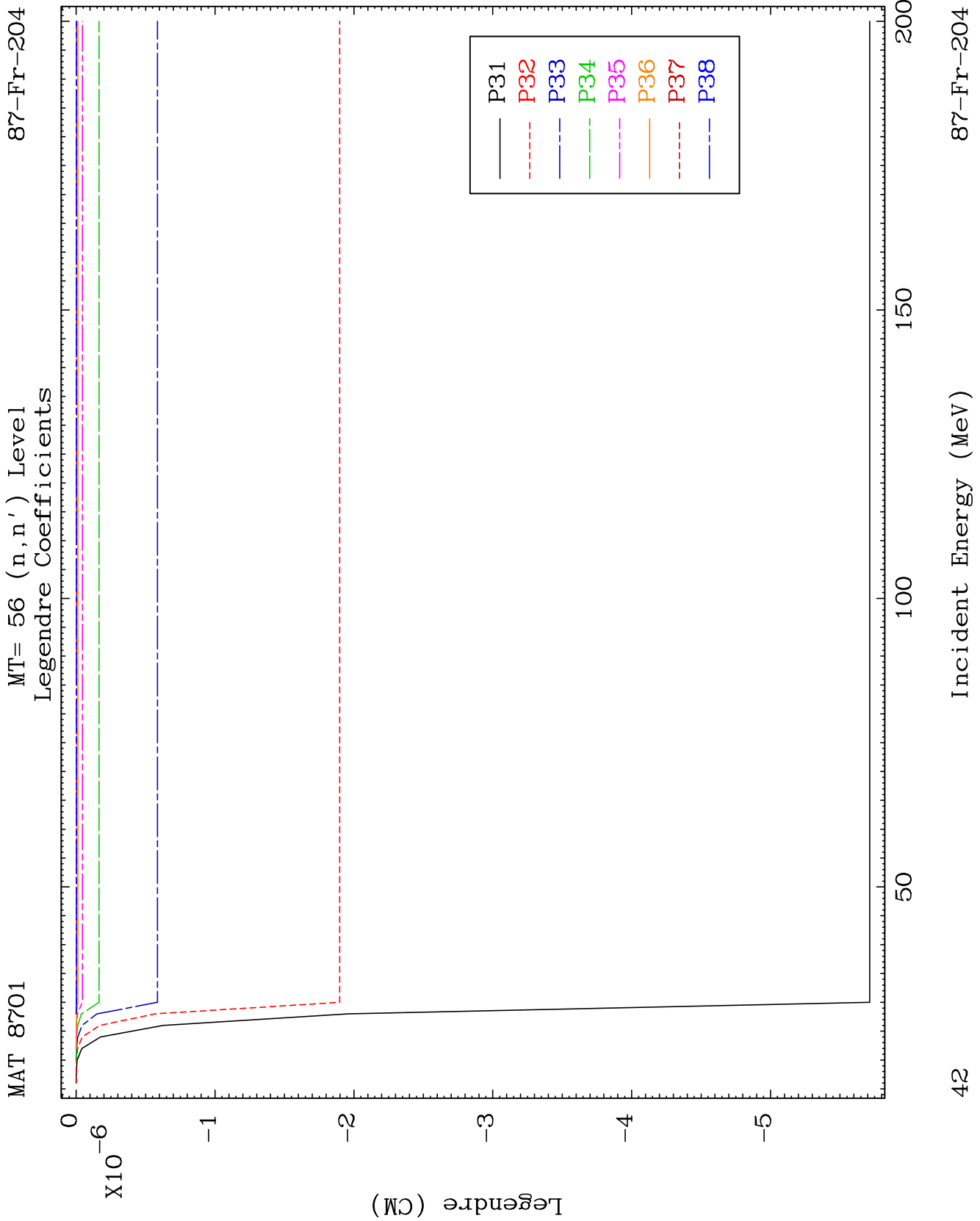


MAT 8701

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

87-Fr-204

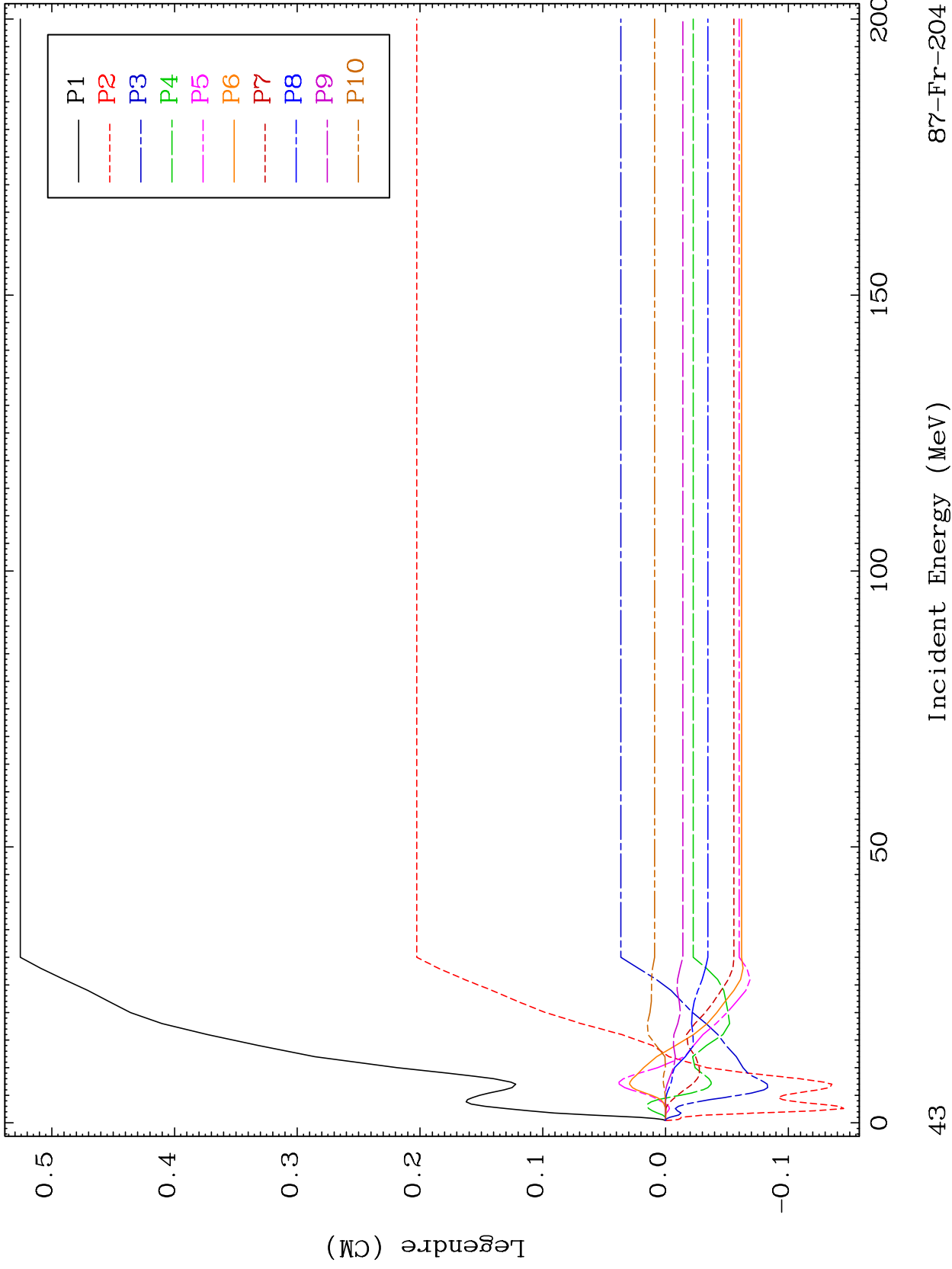




MAT 8701

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

87-Fr-204



87-Fr-204

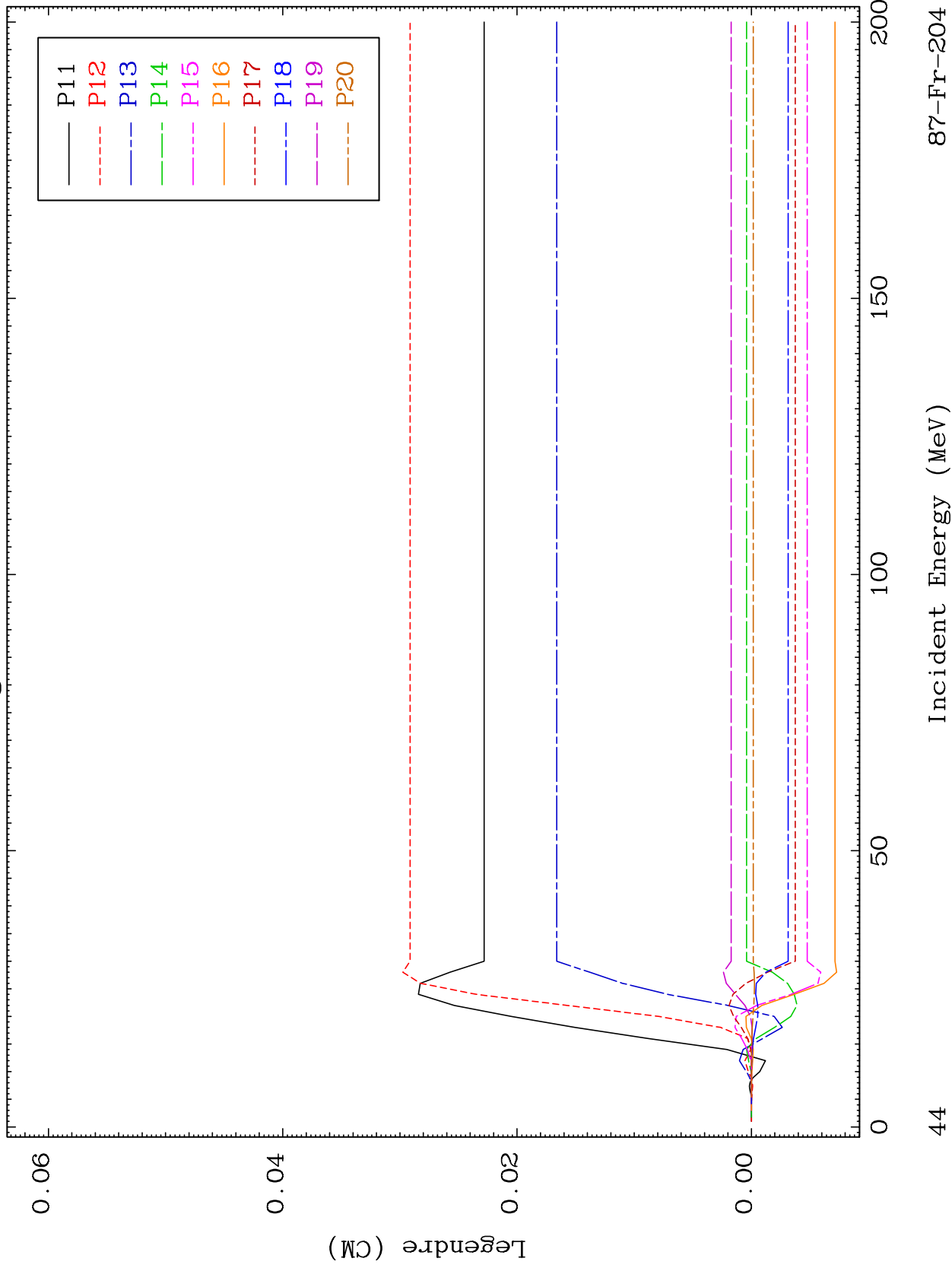
Incident Energy (MeV)

43

MAT 8701

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

87-Fr-204



44

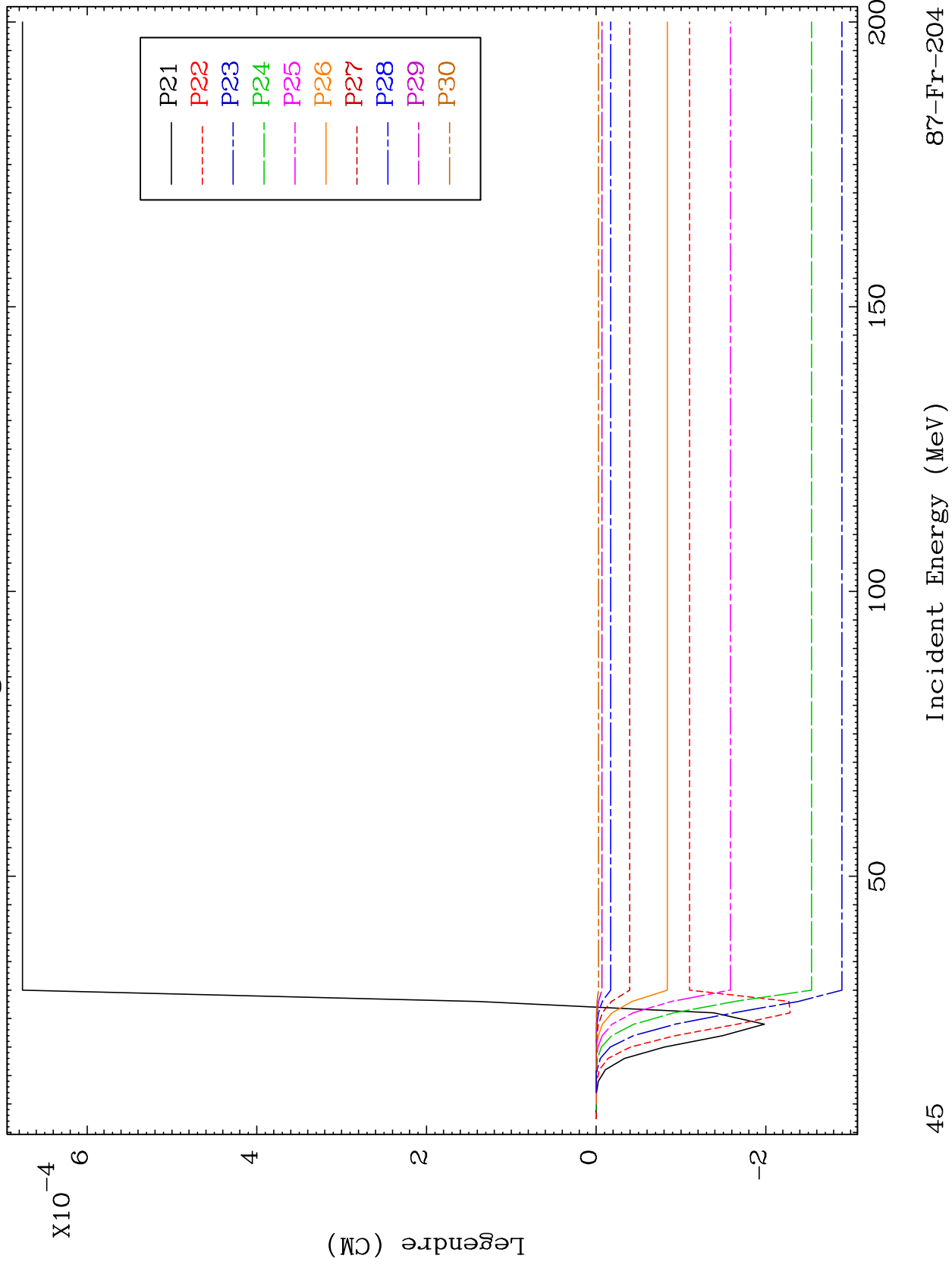
Incident Energy (MeV)

87-Fr-204

MAT 8701

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

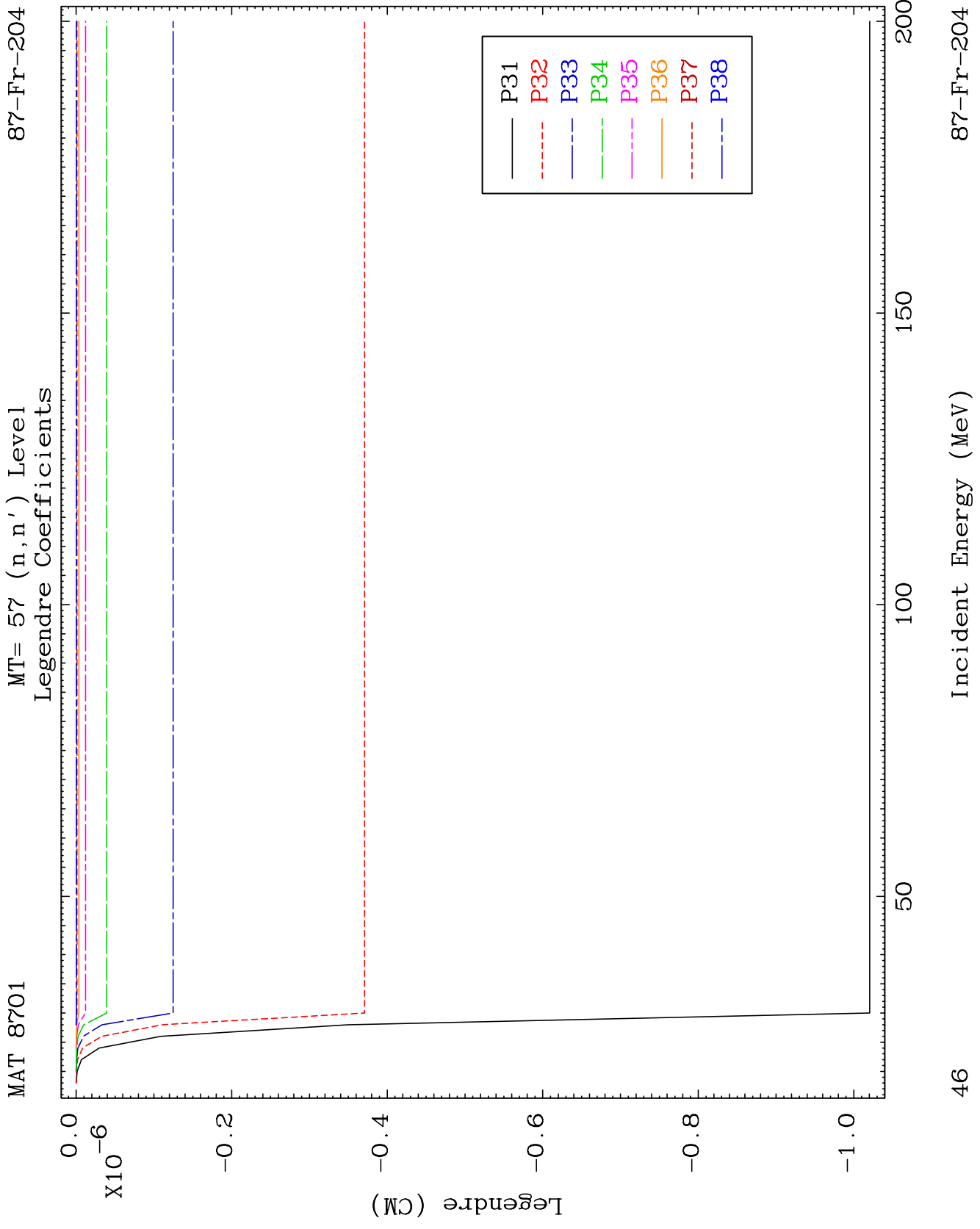
87-Fr-204



45

Incident Energy (MeV)

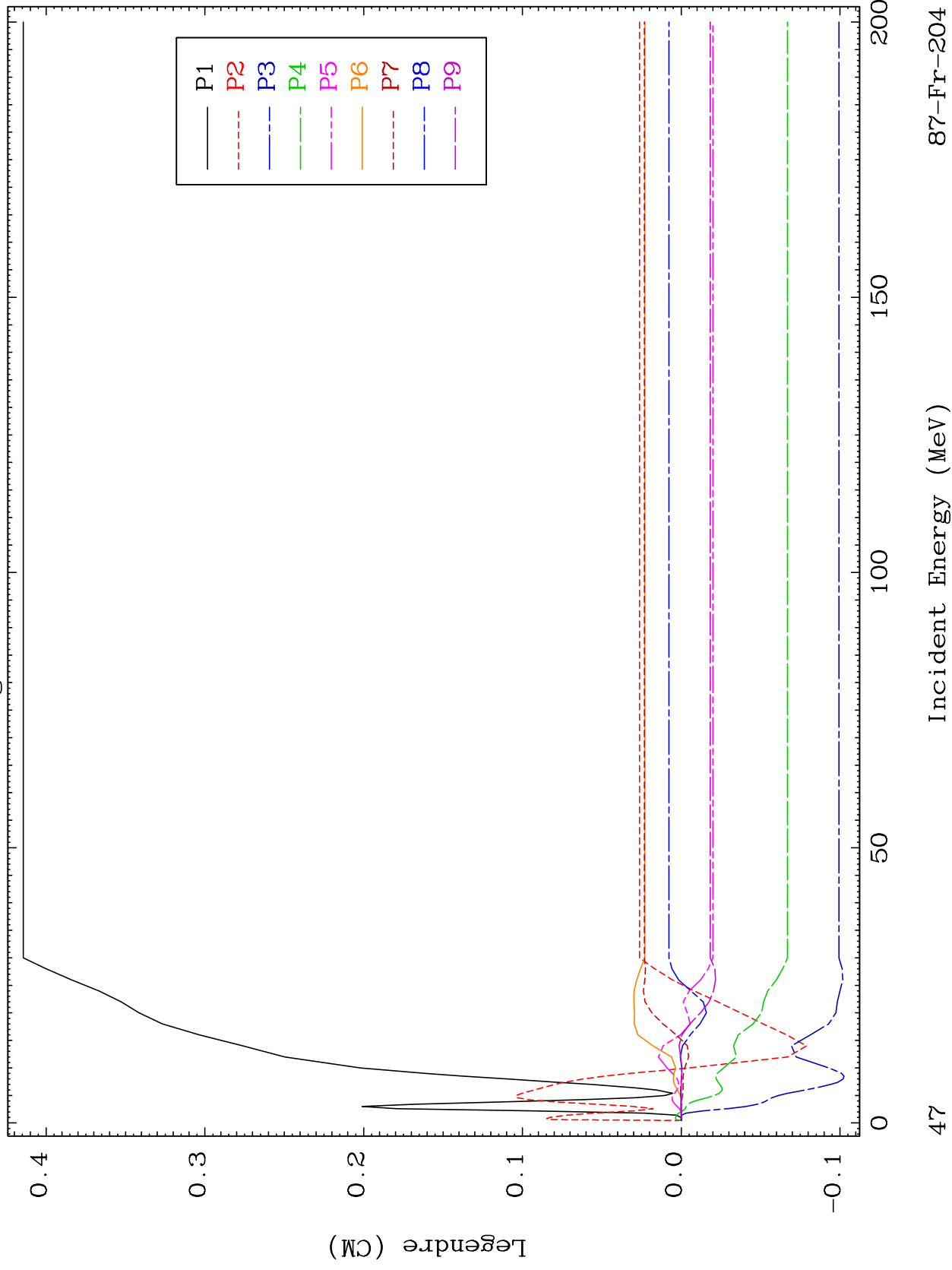
87-Fr-204



MAT 8701

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

87-Fr-204



87-Fr-204

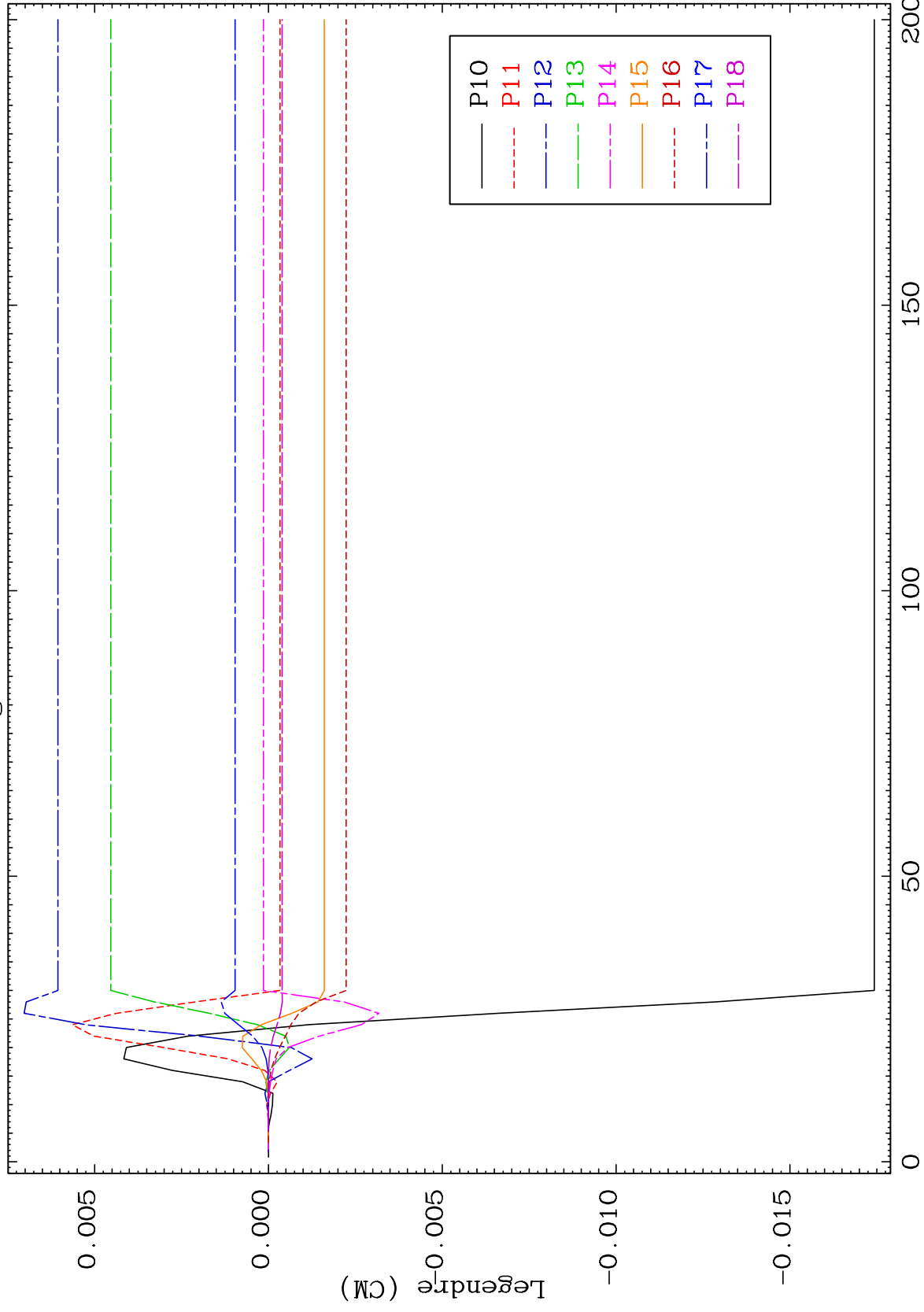
Incident Energy (MeV)

47

MAT 8701

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

87-Fr-204



48

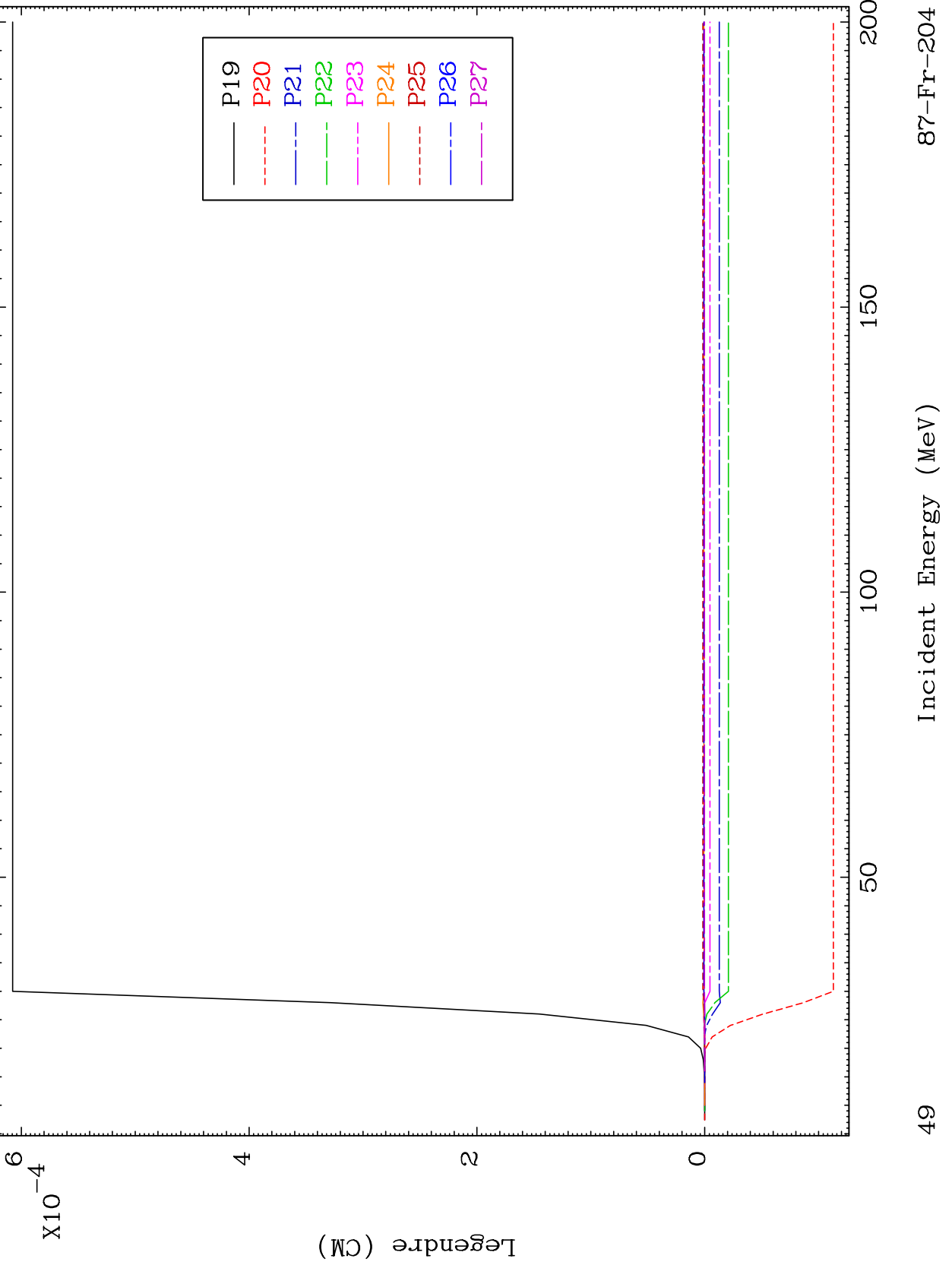
Incident Energy (MeV)

87-Fr-204

MAT 8701

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

87-Fr-204



49

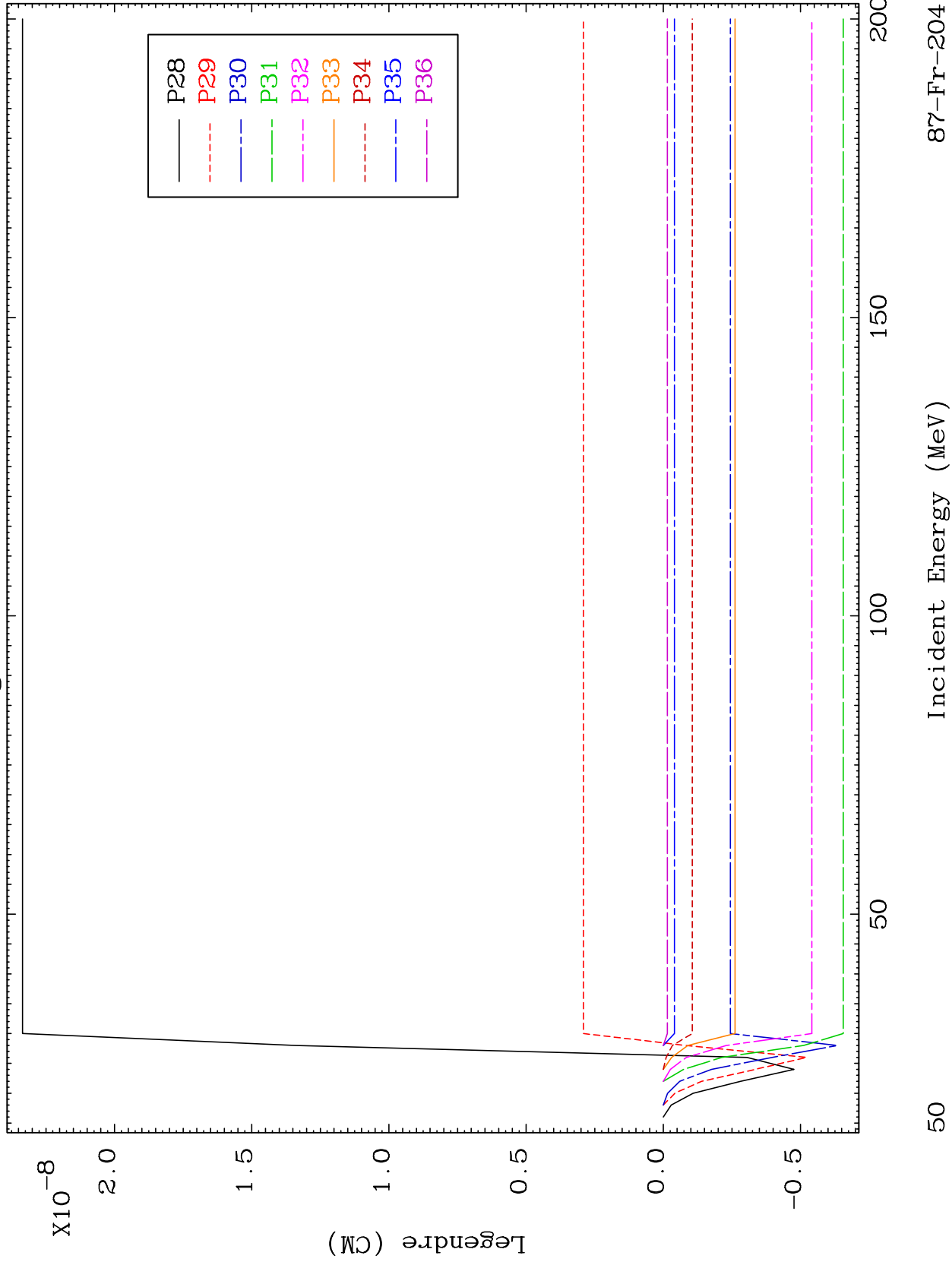
Incident Energy (MeV)

87-Fr-204

MAT 8701

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

87-Fr-204



50

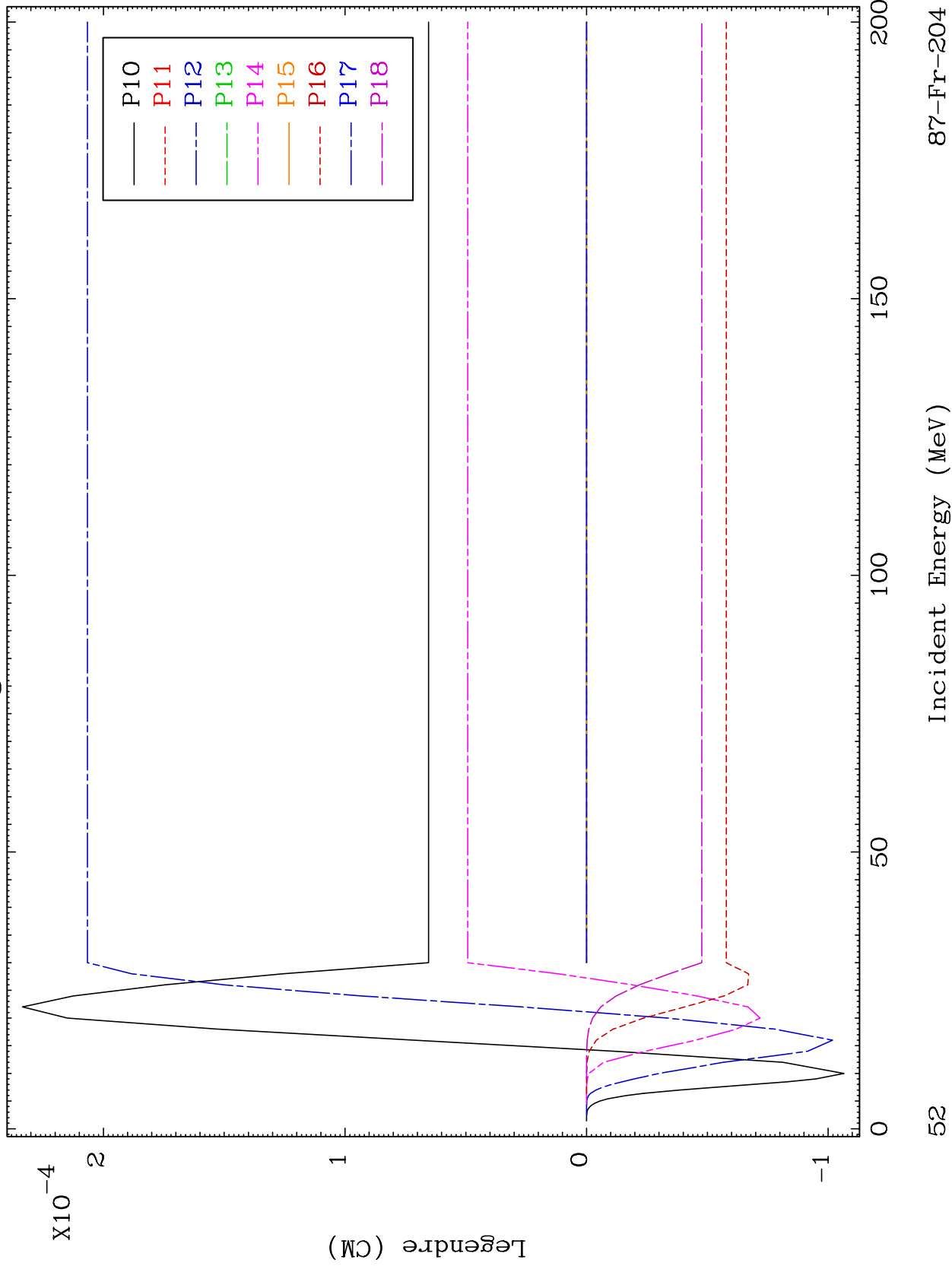
Incident Energy (MeV)

87-Fr-204

MAT 8701

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

87-Fr-204



87-Fr-204

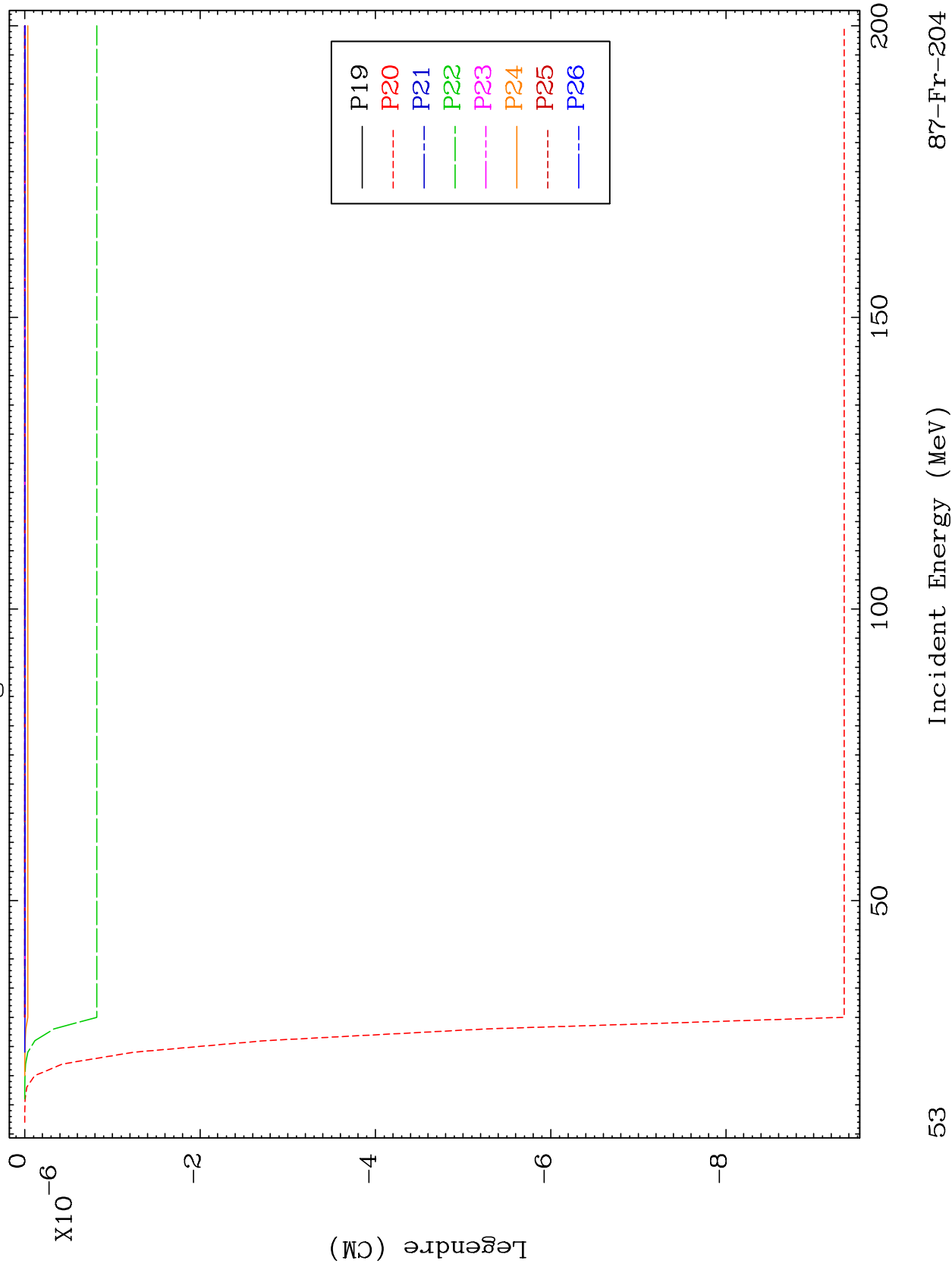
Incident Energy (MeV)

52

MAT 8701

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

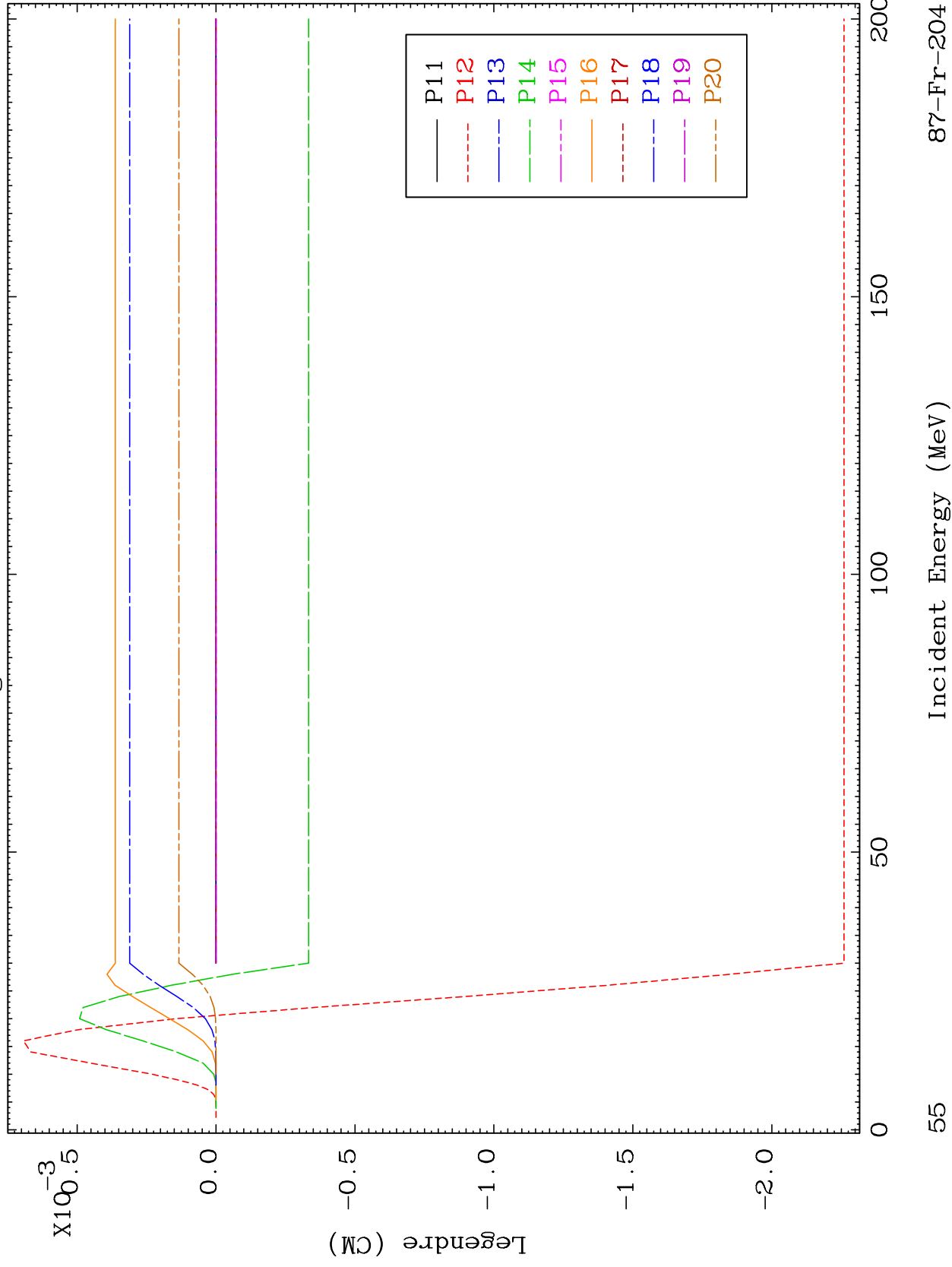
87-Fr-204



MAT 8701

87-Fr-204

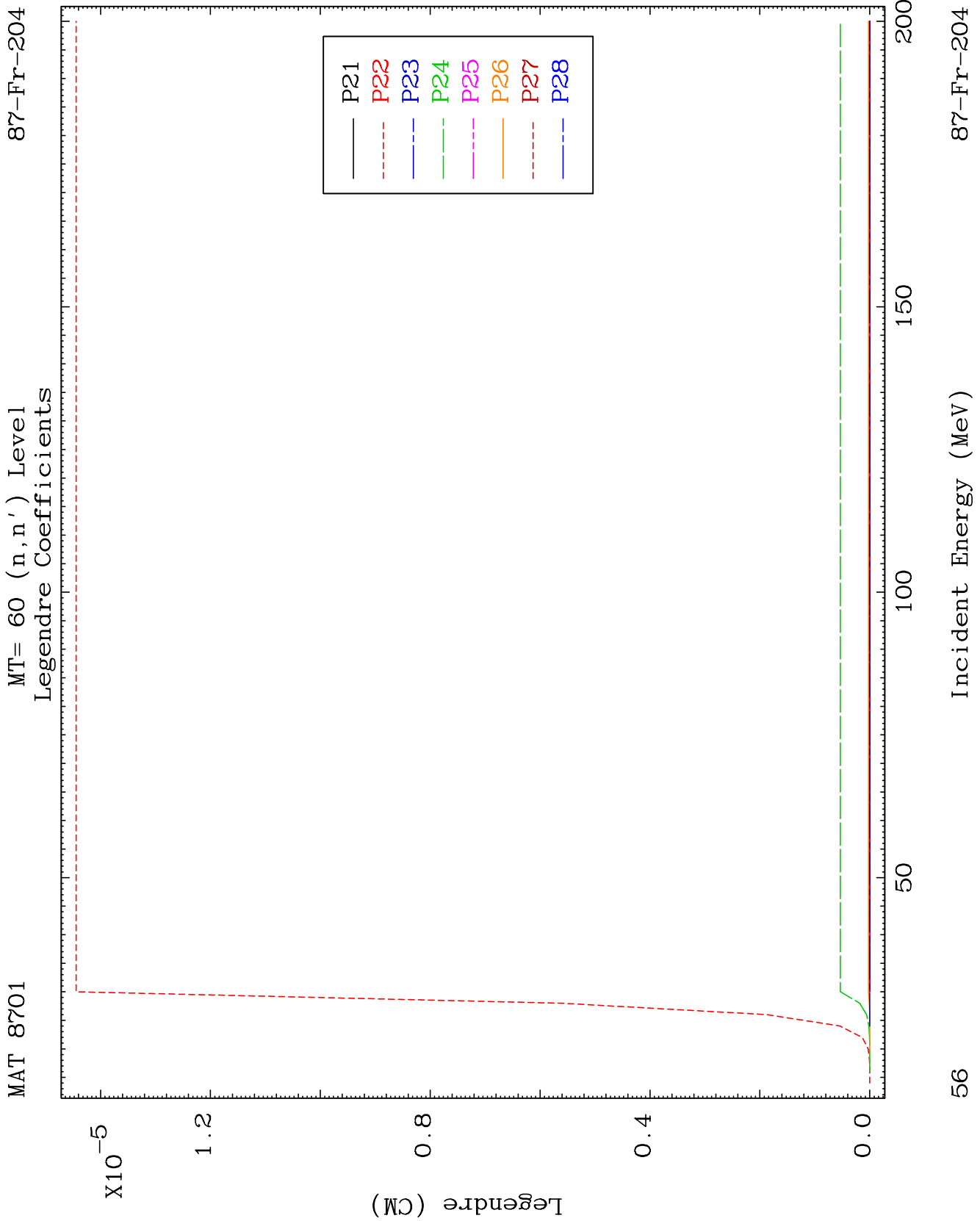
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Legendre Coefficients

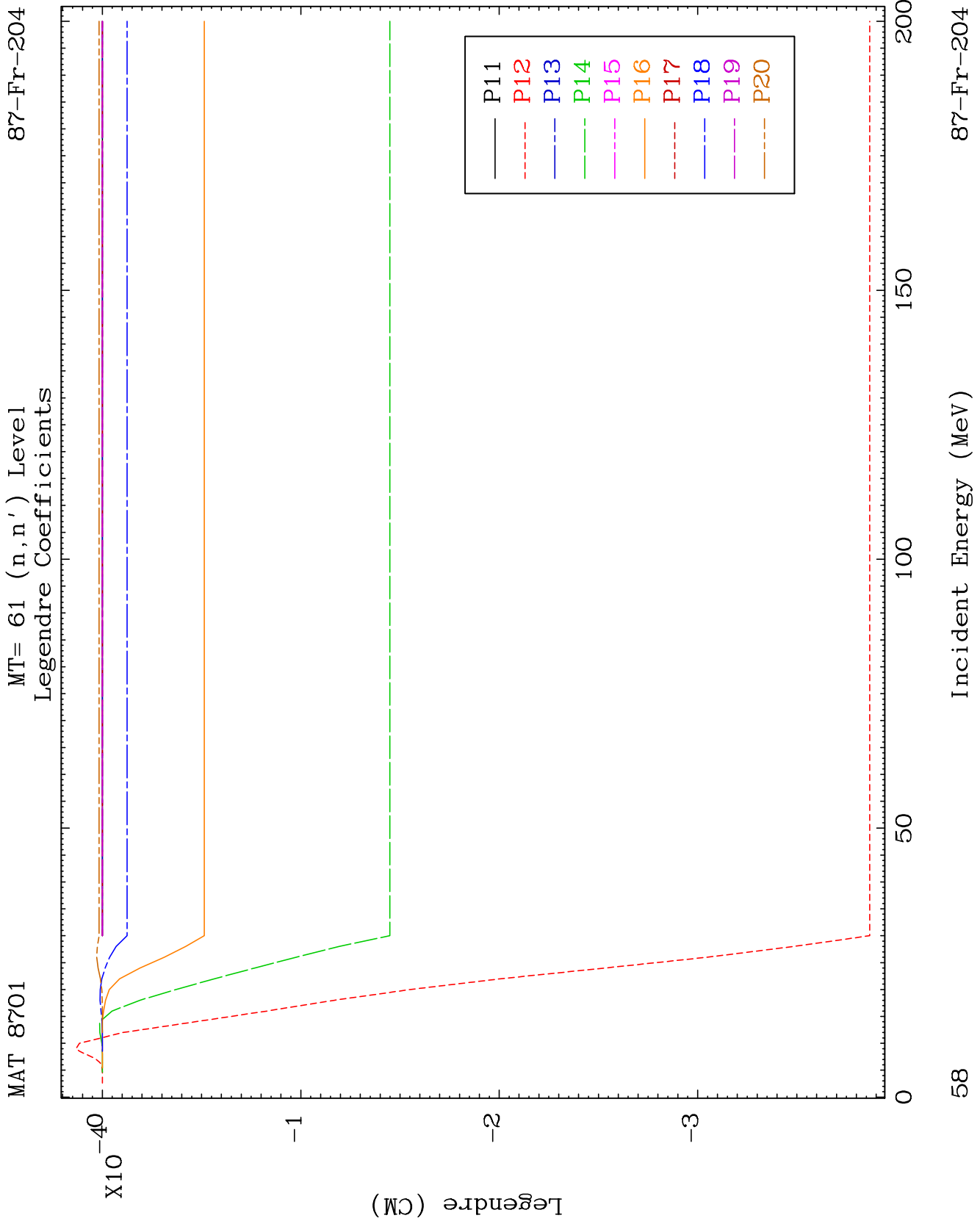


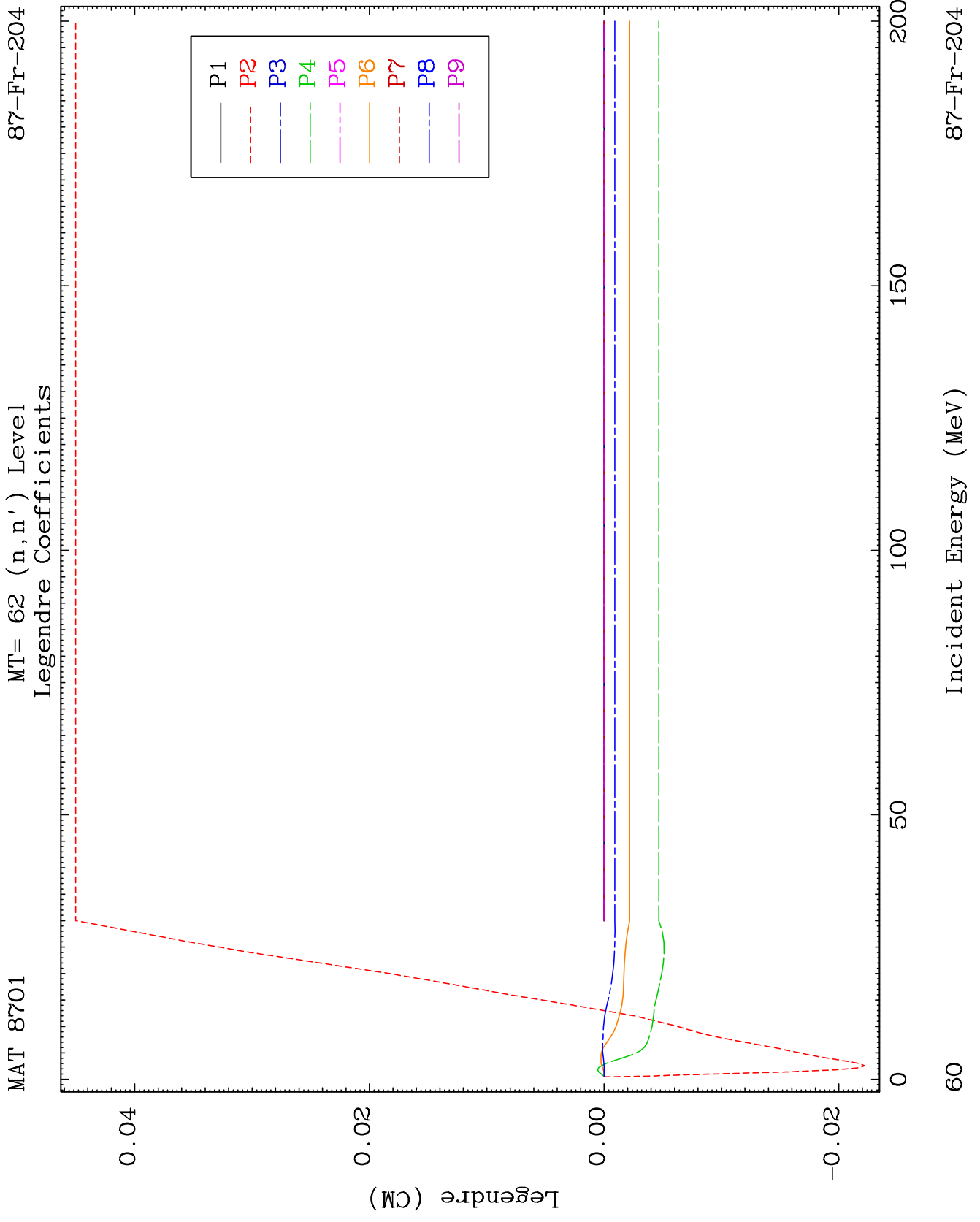
87-Fr-204

Incident Energy (MeV)

55



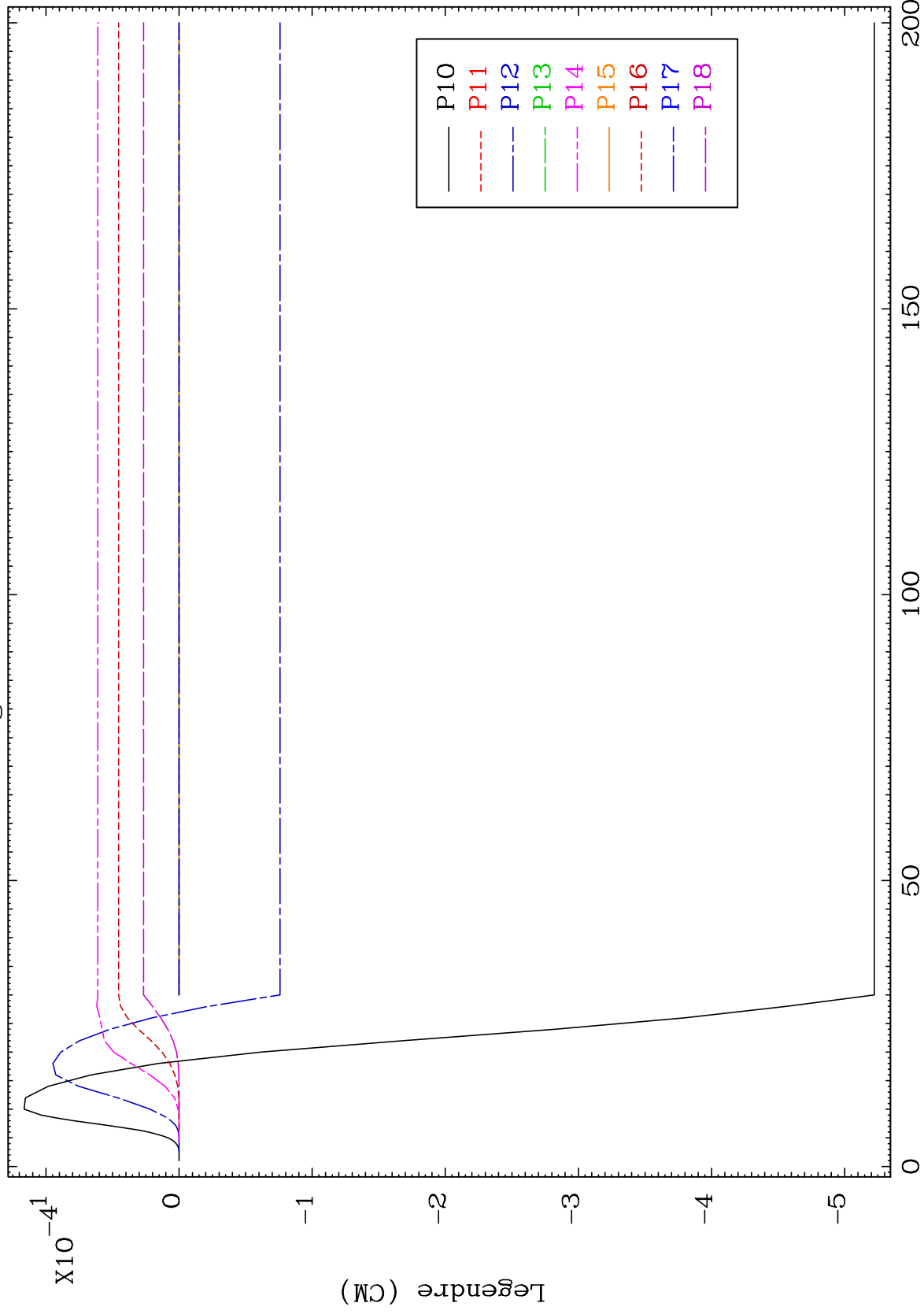




MAT 8701

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

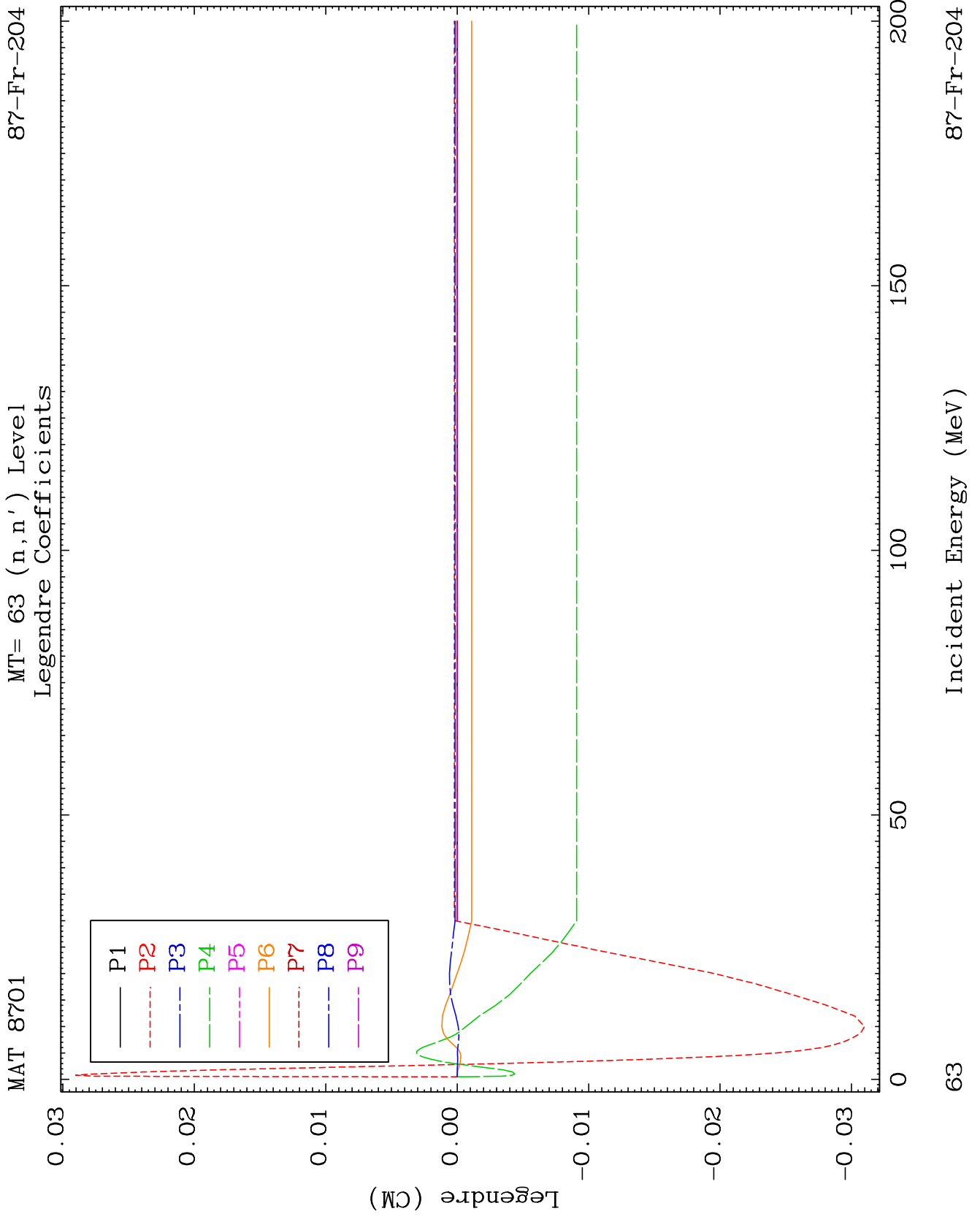
87-Fr-204



61

Incident Energy (MeV)

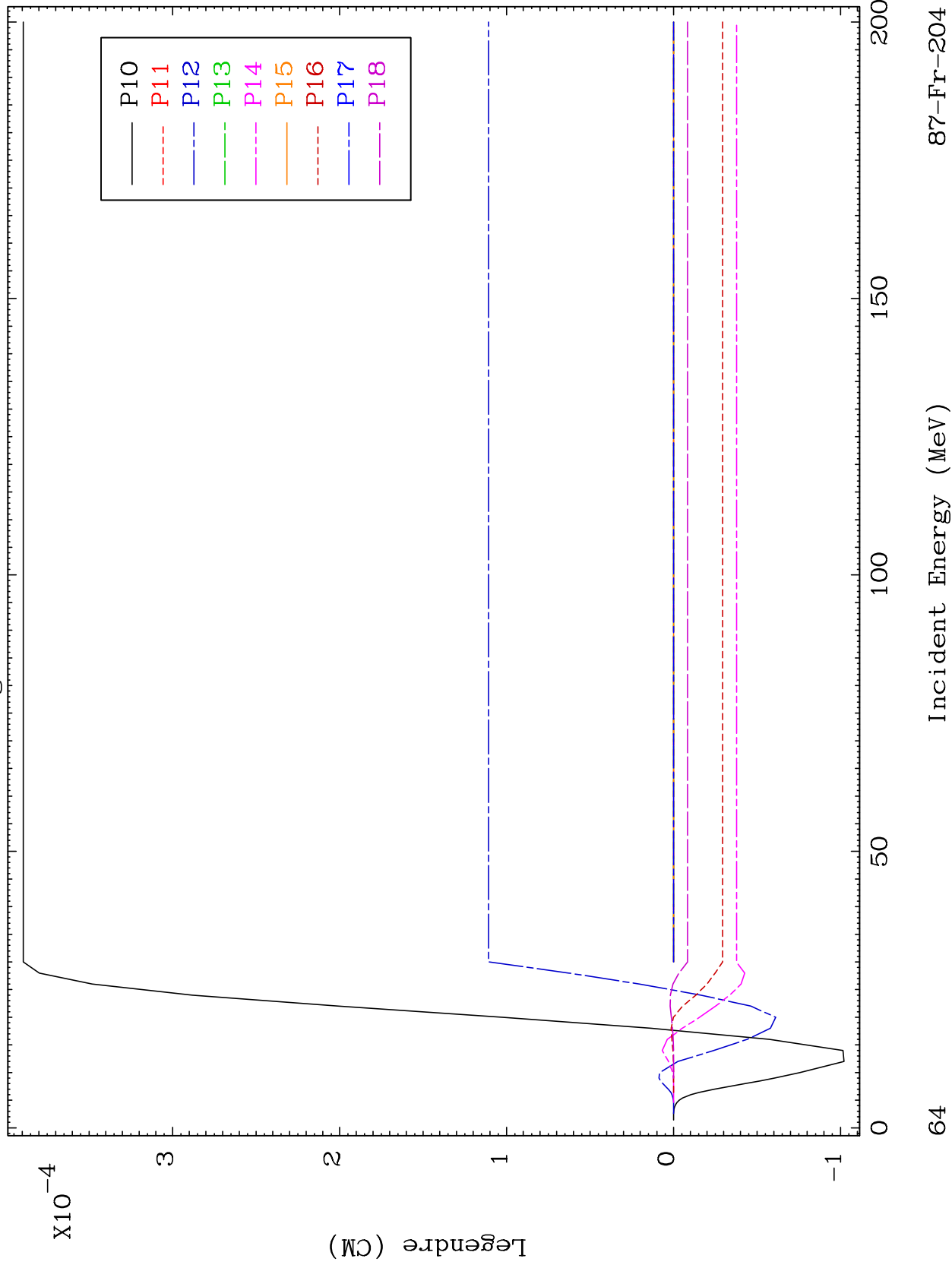
87-Fr-204



MAT 8701

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

87-Fr-204



64

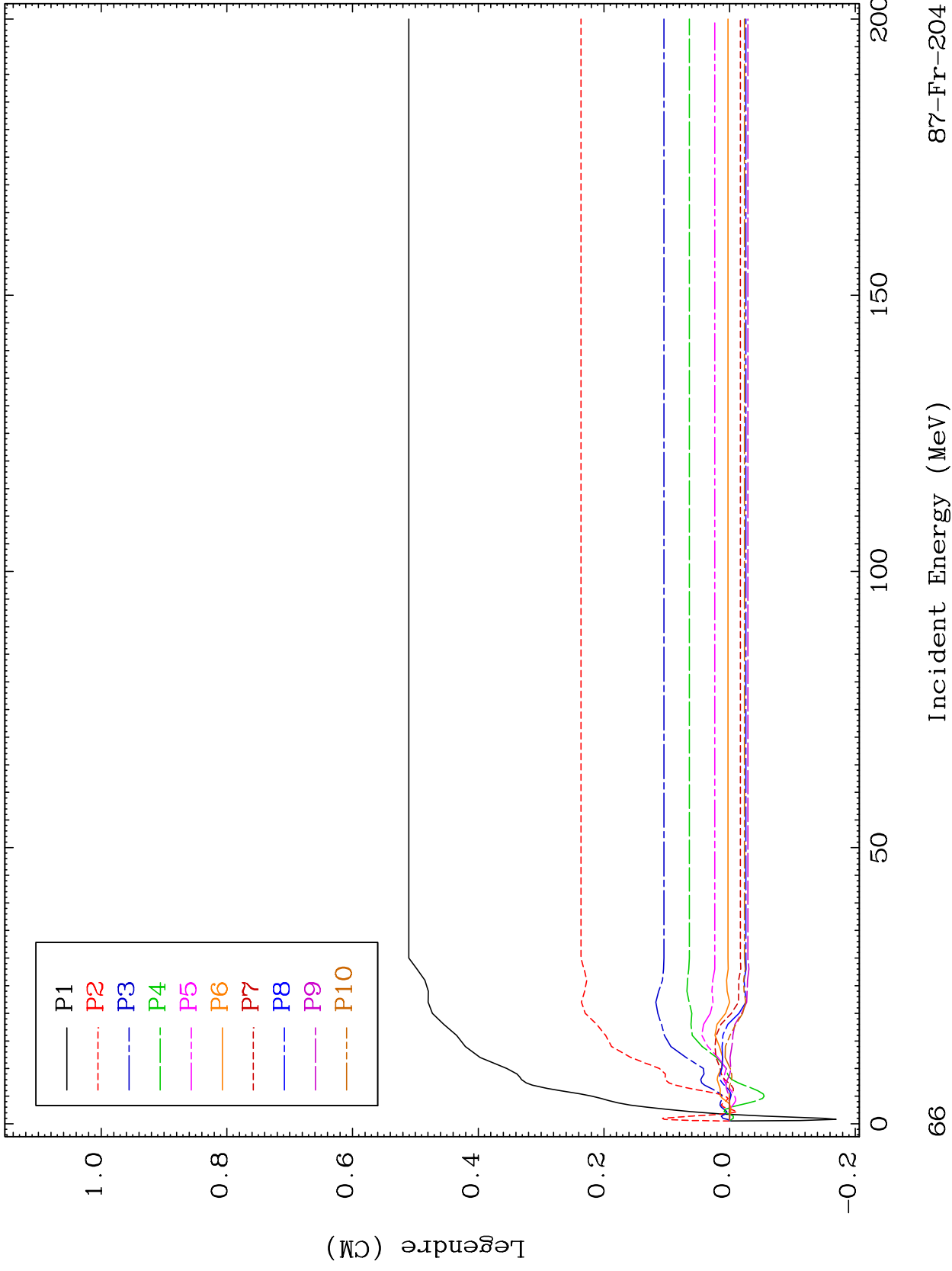
Incident Energy (MeV)

87-Fr-204

MAT 8701

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

87-Fr-204



66

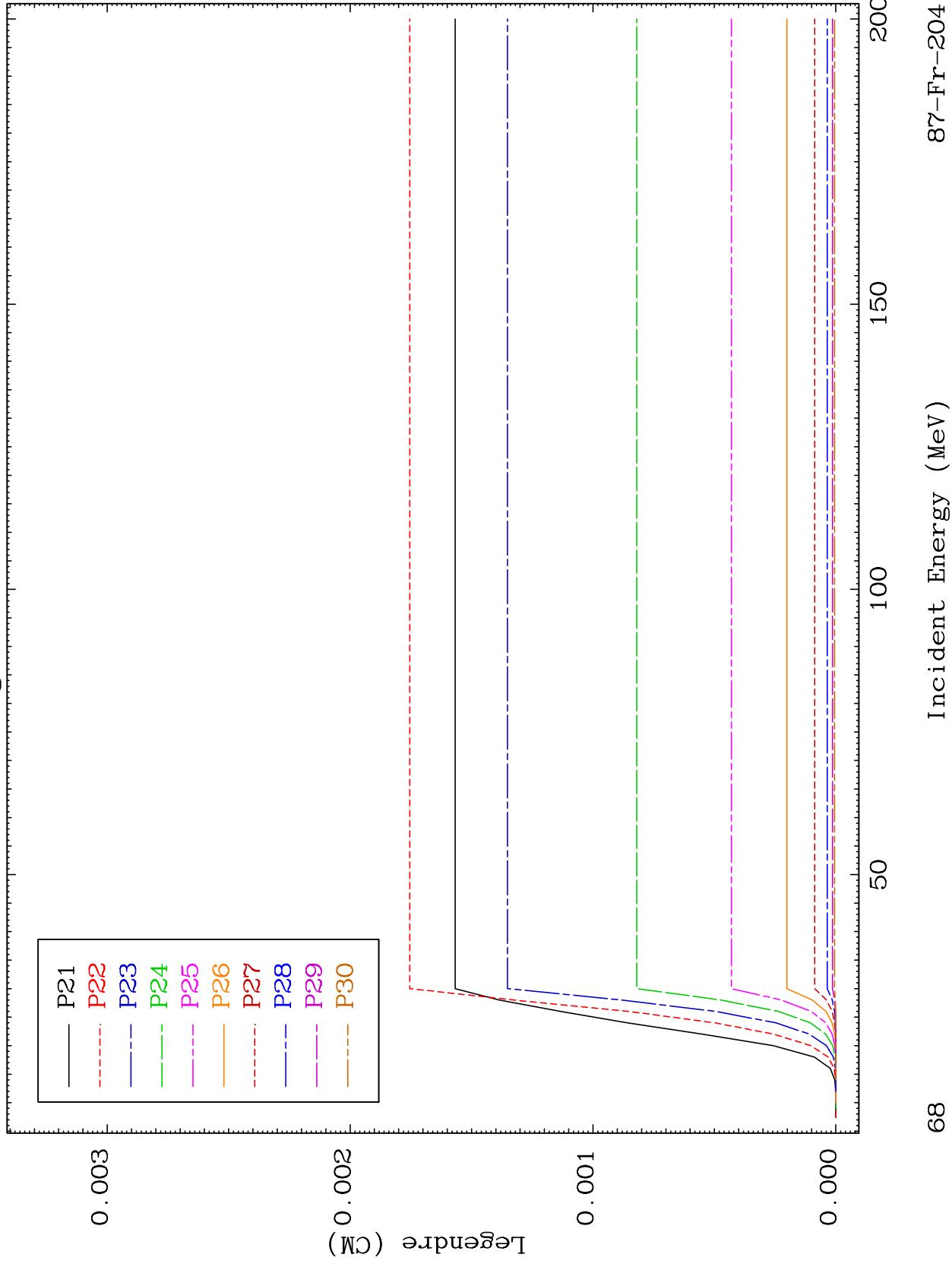
Incident Energy (MeV)

87-Fr-204

MAT 8701

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

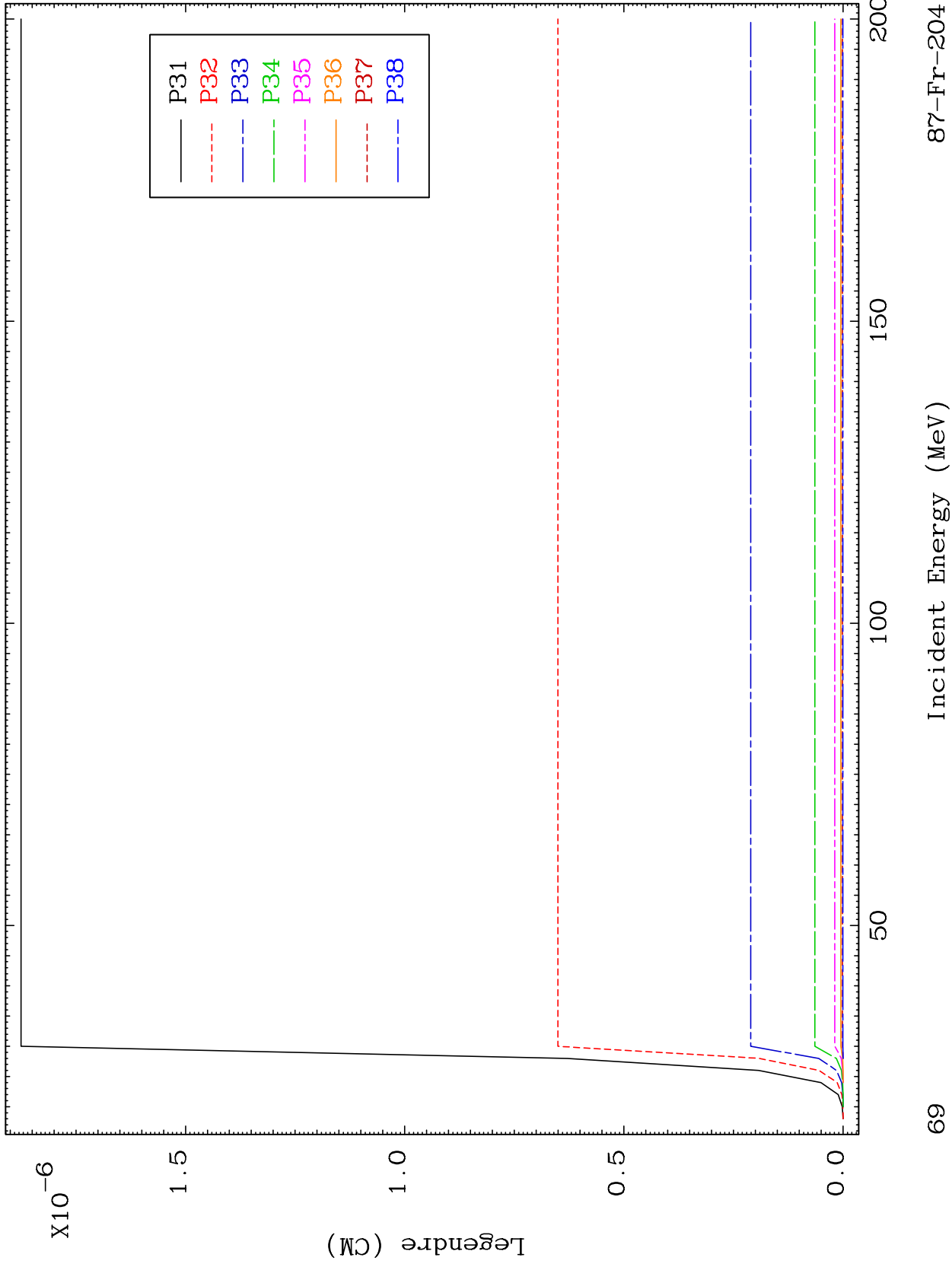
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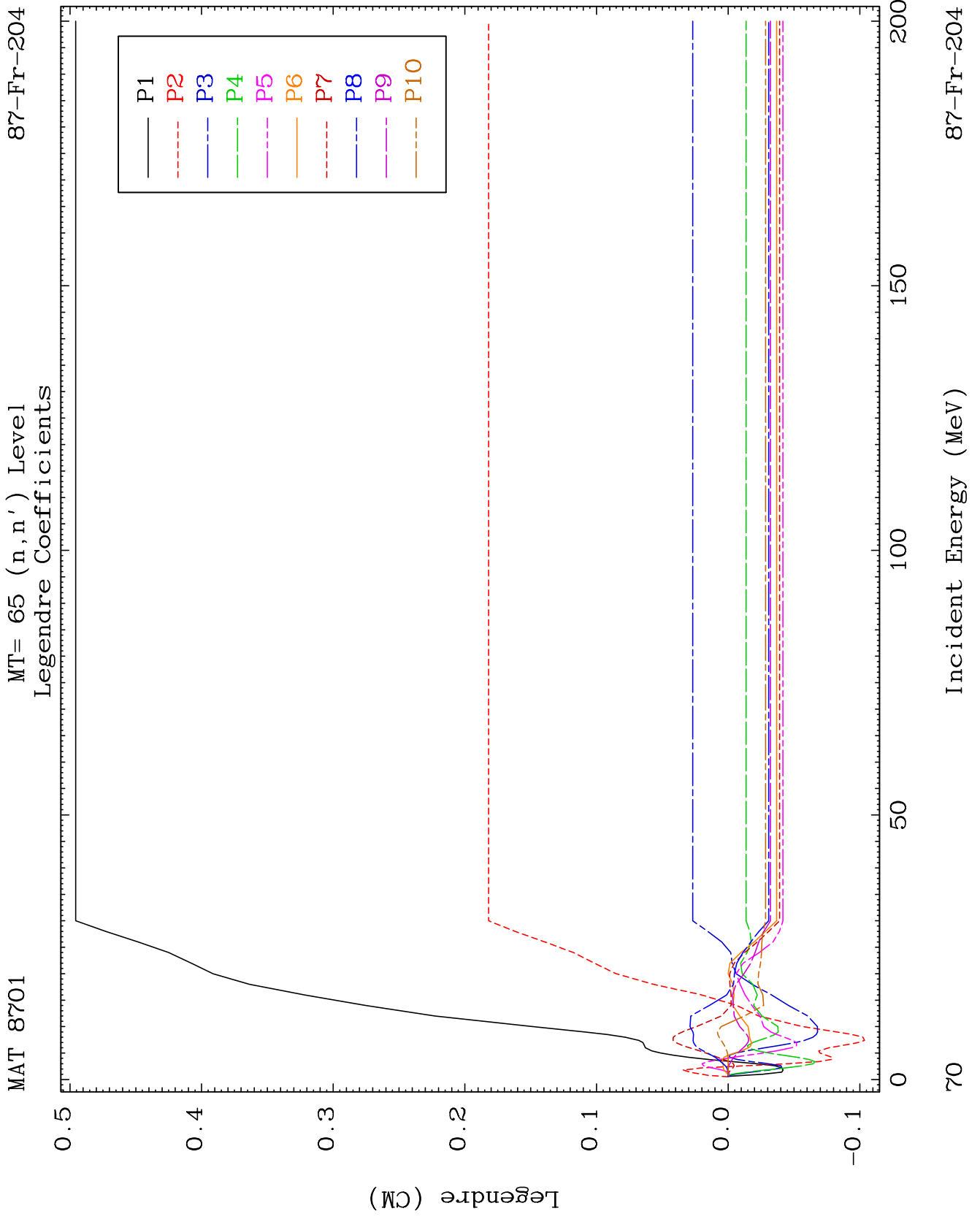


MAT 8701

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

87-Fr-204

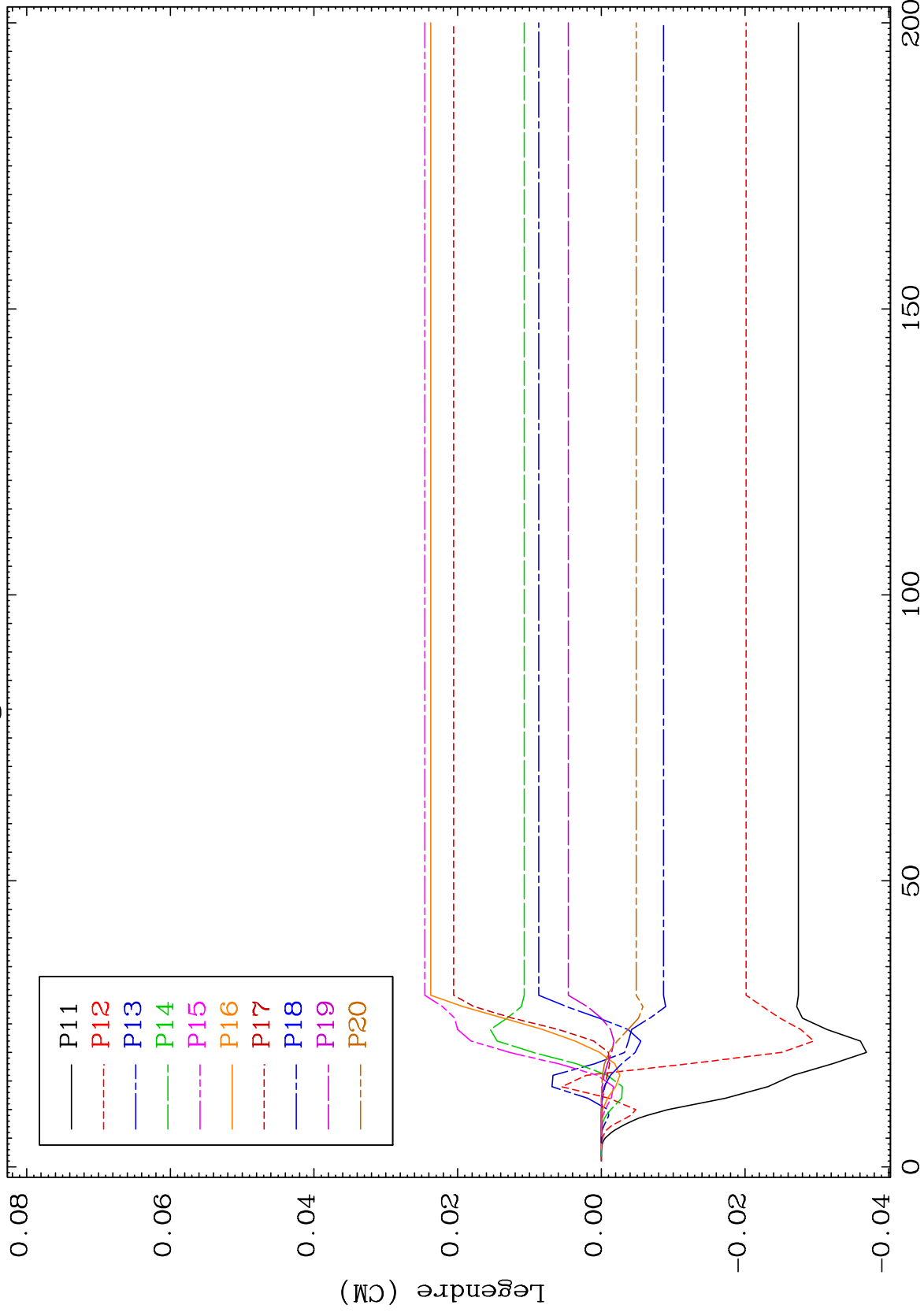




MAT 8701

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

87-Fr-204



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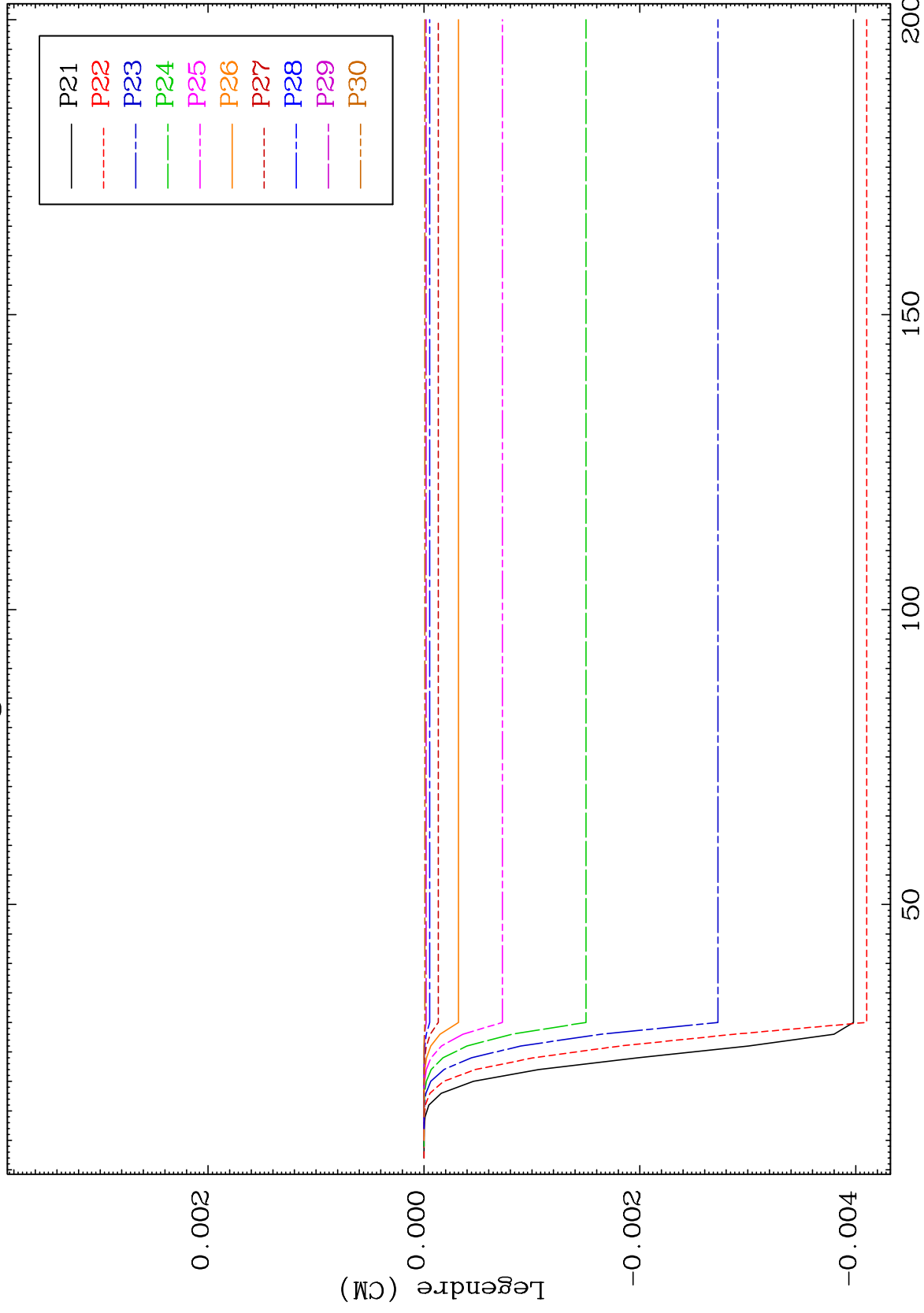
Incident Energy (MeV)

87-Fr-204

MAT 8701

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

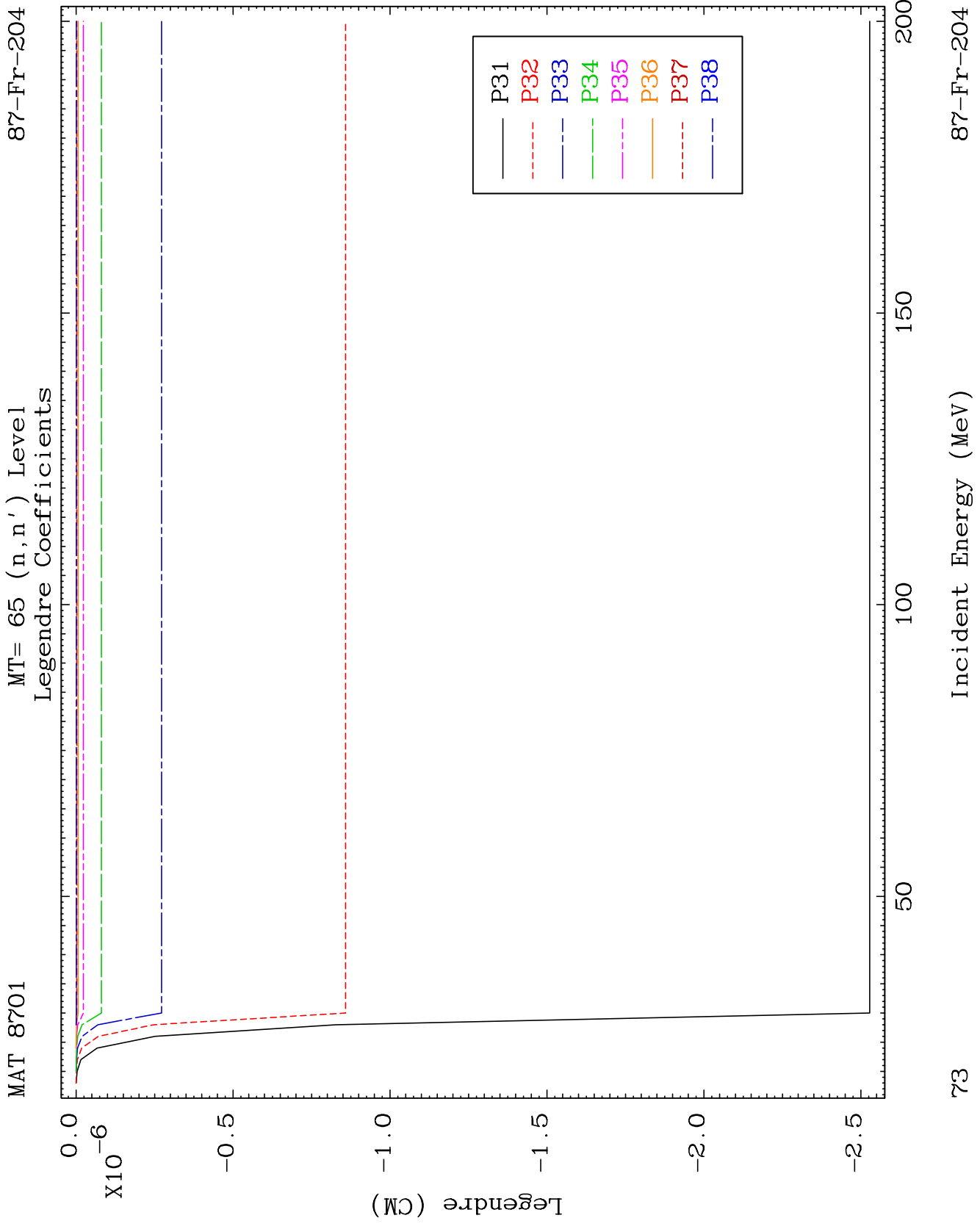
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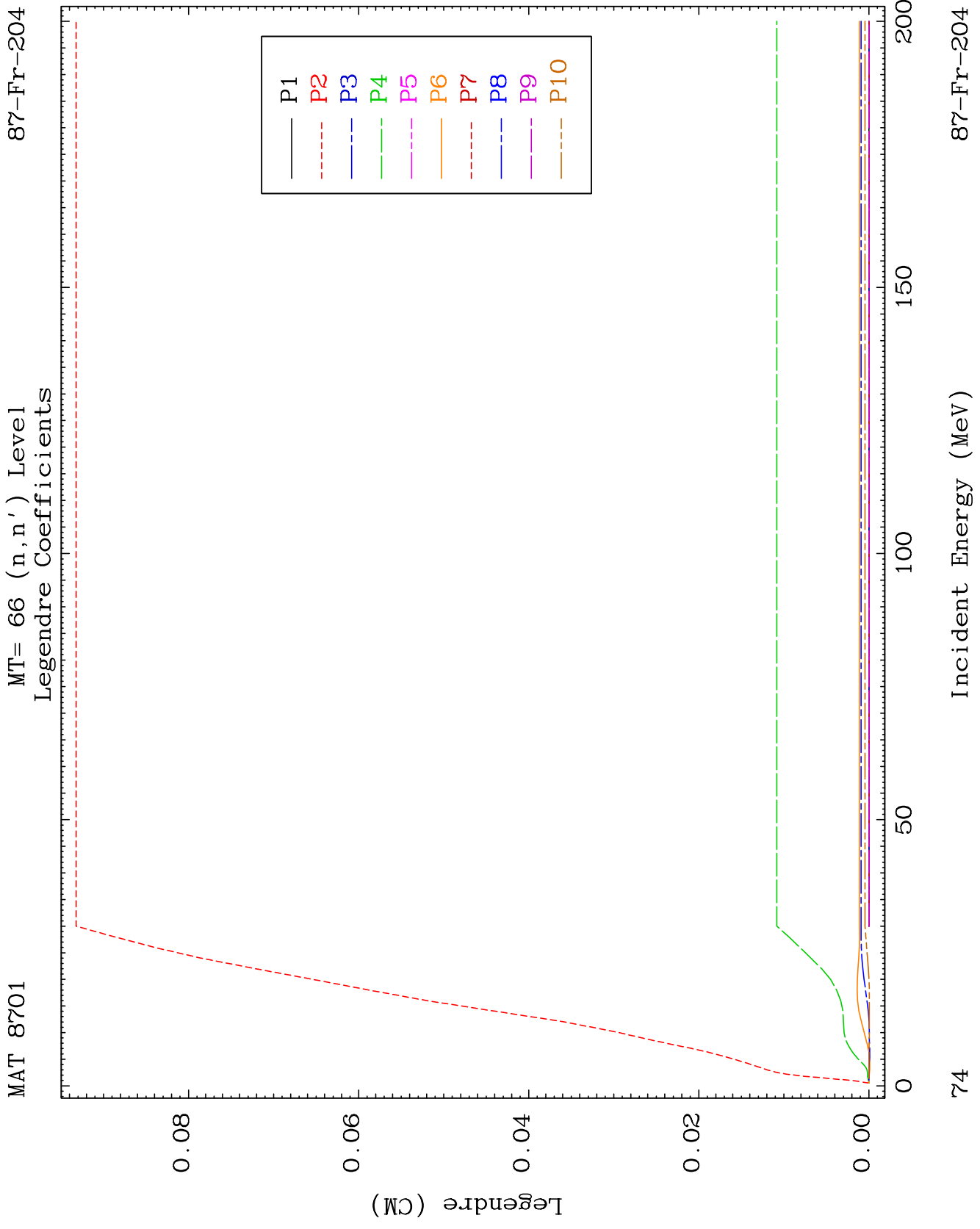


72

Incident Energy (MeV)

87-Fr-204

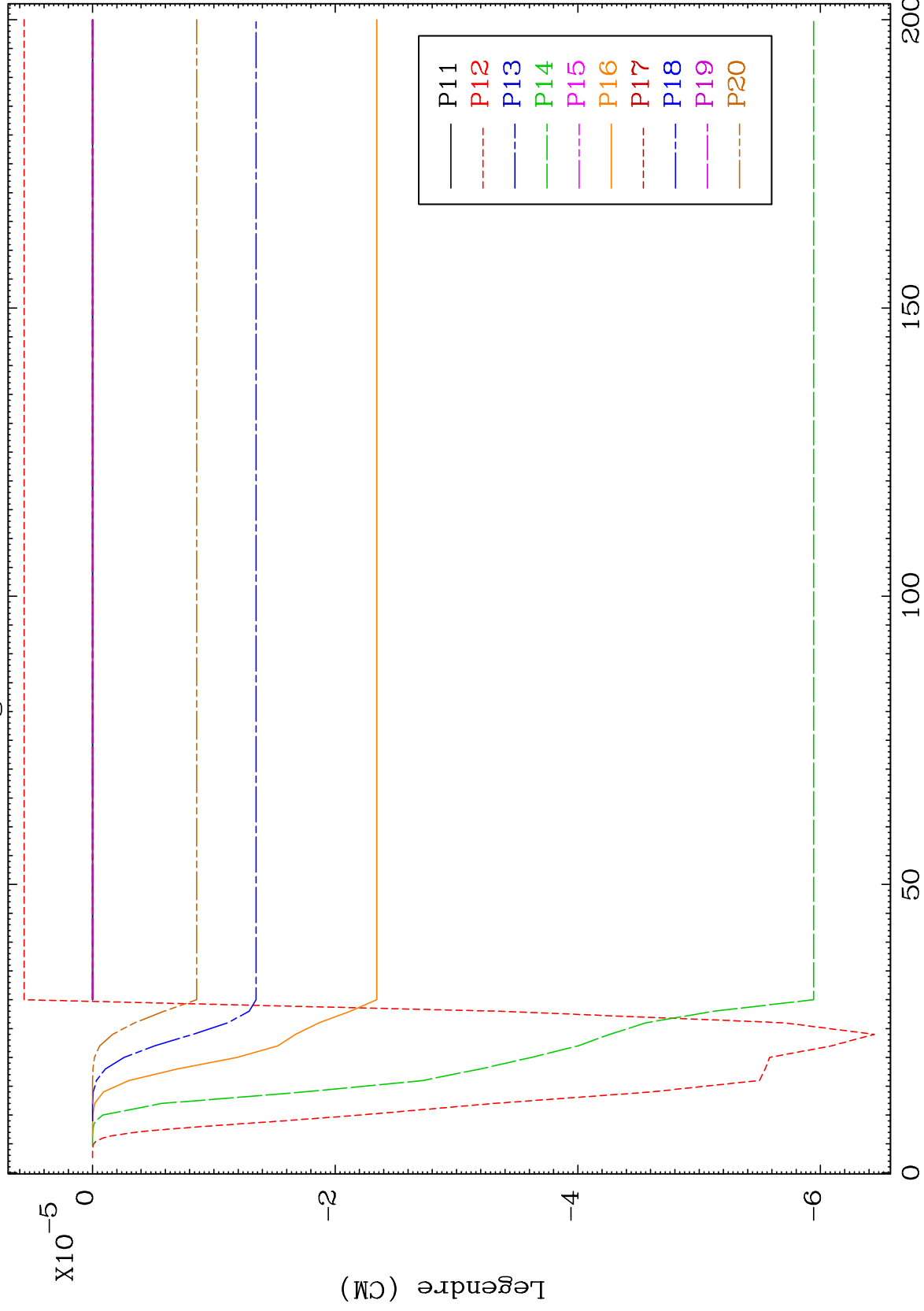




MAT 8701

87-Fr-204

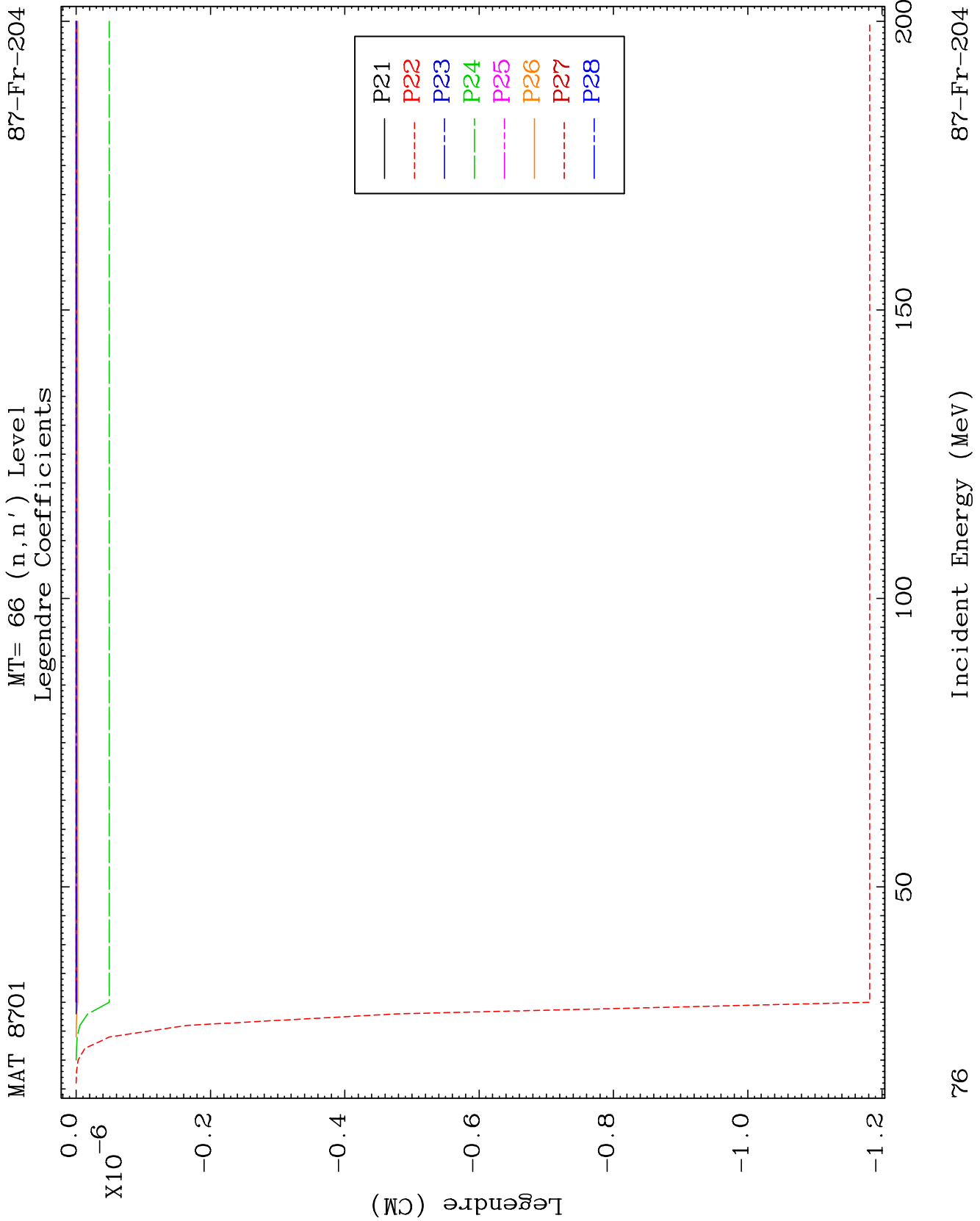
MT= 66 (n,n') Level
Legendre Coefficients



75

Incident Energy (MeV)

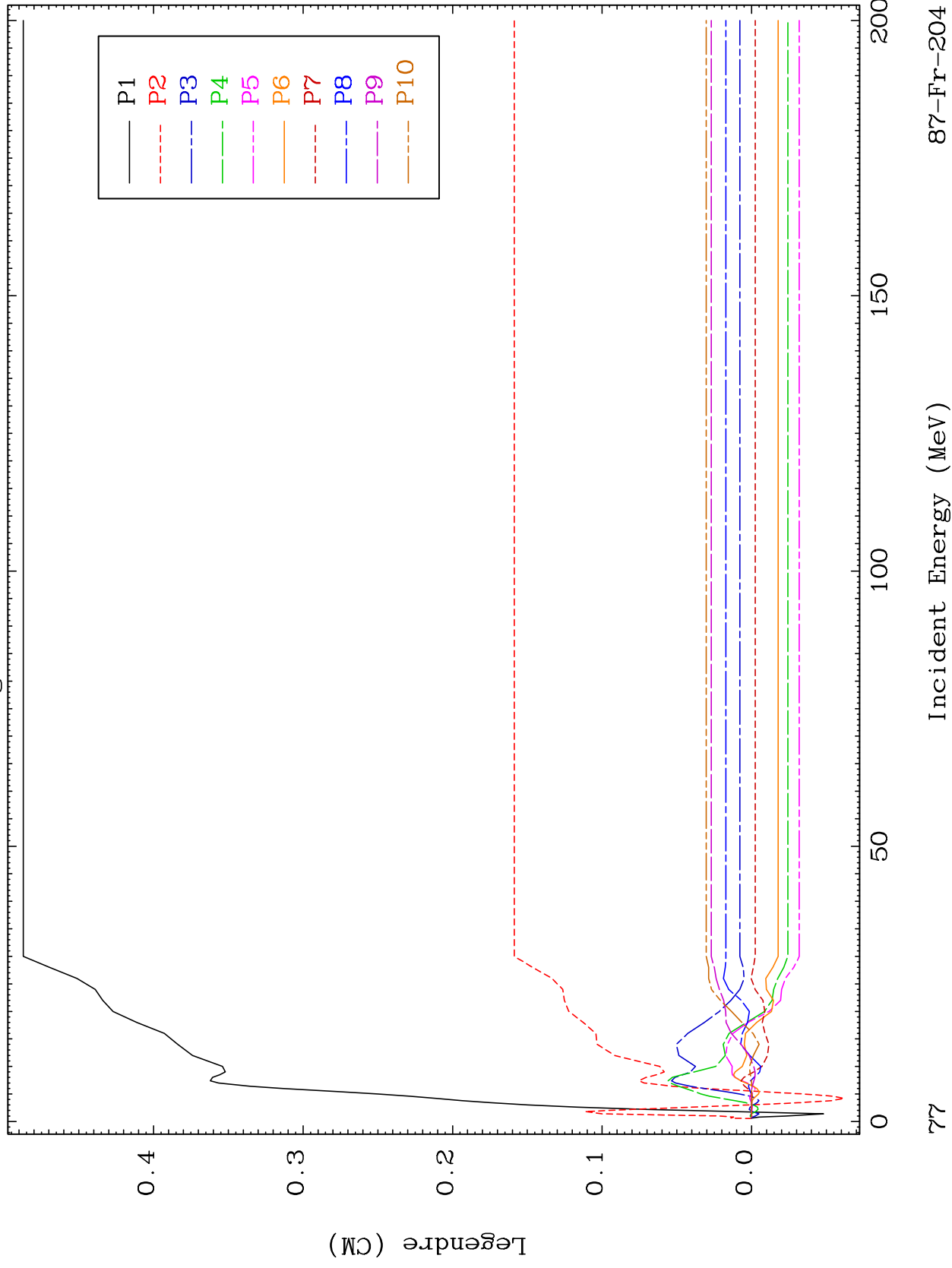
87-Fr-204



MAT 8701

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

87-Fr-204



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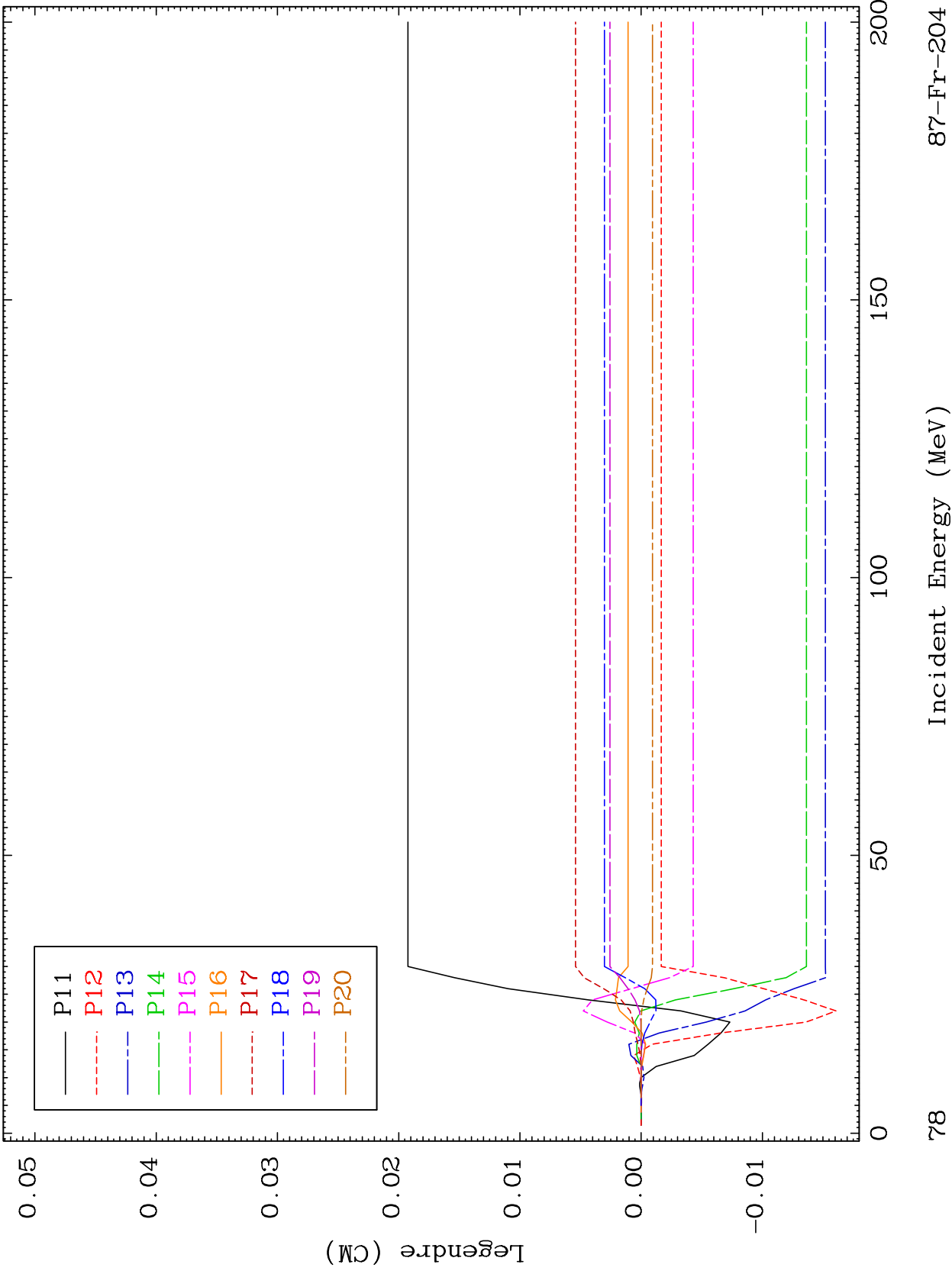
Incident Energy (MeV)

87-Fr-204

MAT 8701

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

87-Fr-204



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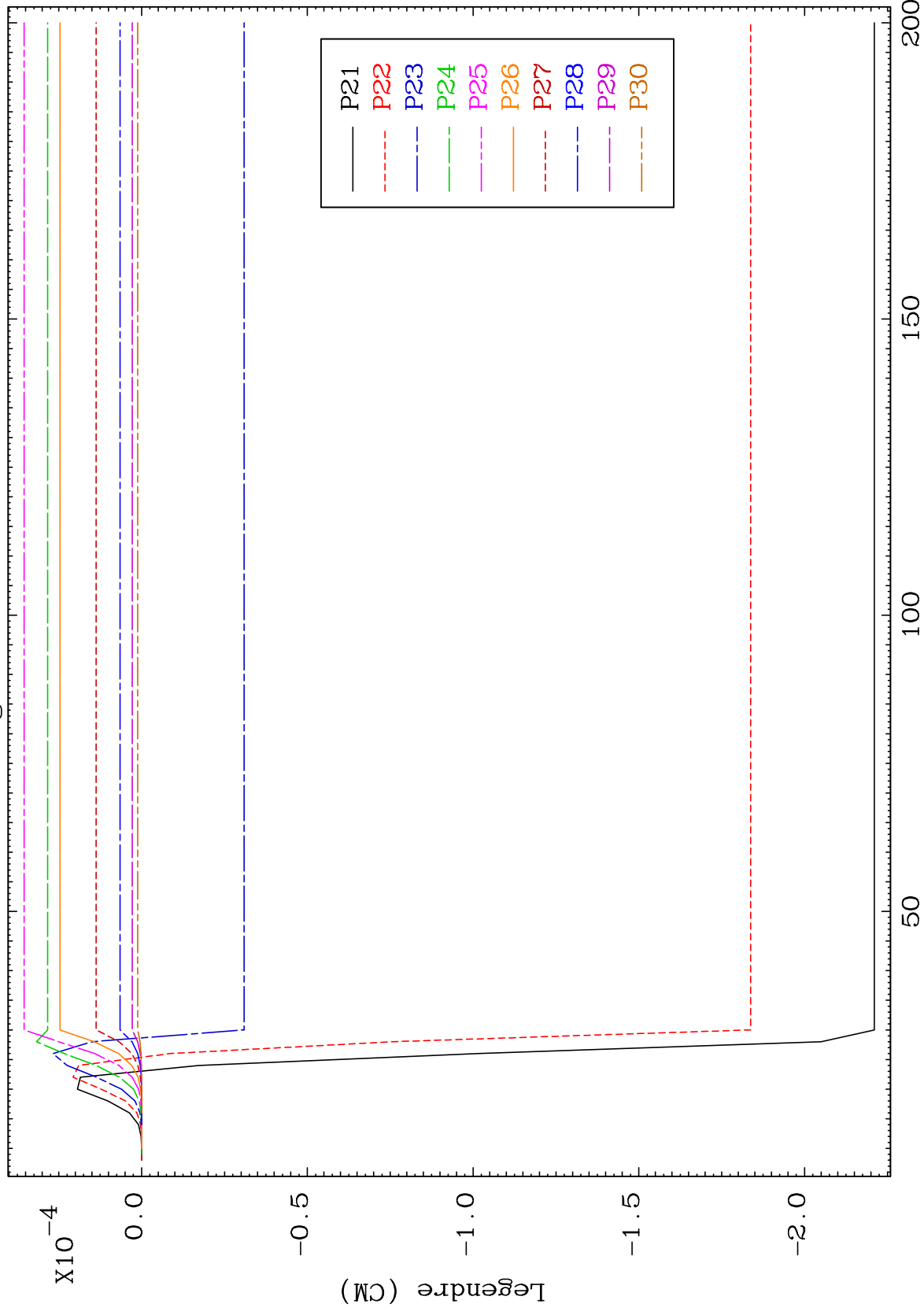
Incident Energy (MeV)

87-Fr-204

MAT 8701

87-Fr-204

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



79

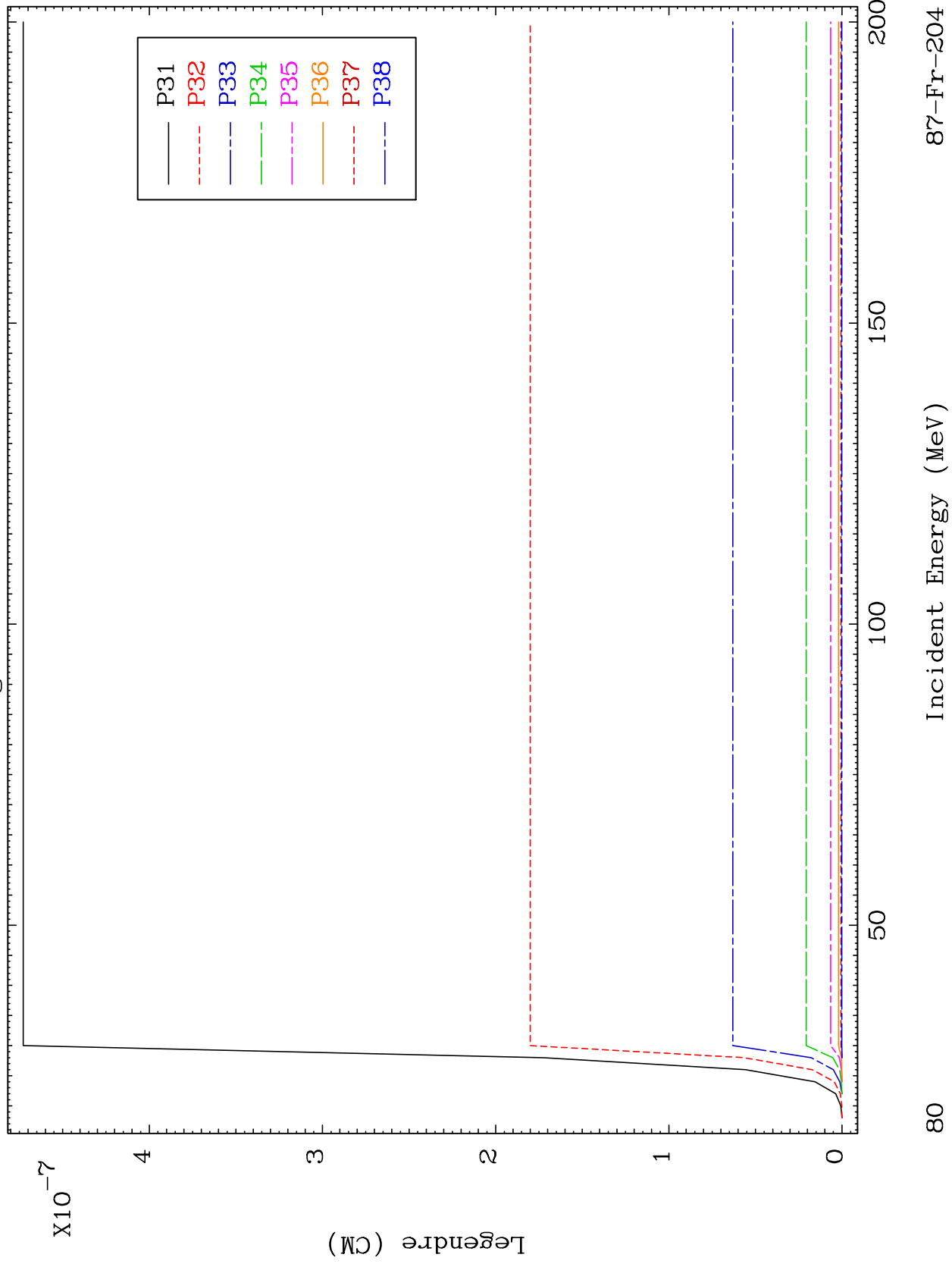
Incident Energy (MeV)

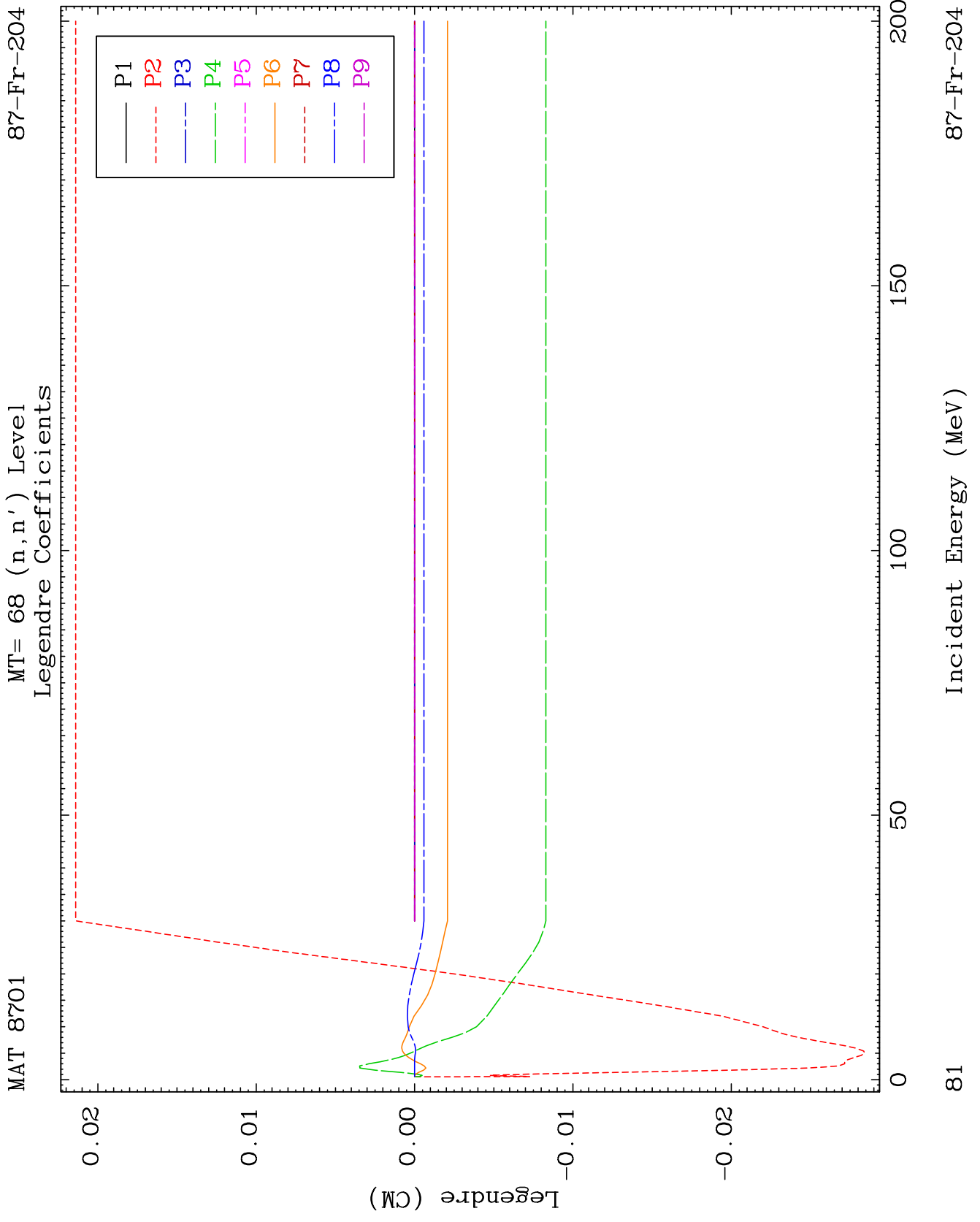
87-Fr-204

MAT 8701

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

87-Fr-204

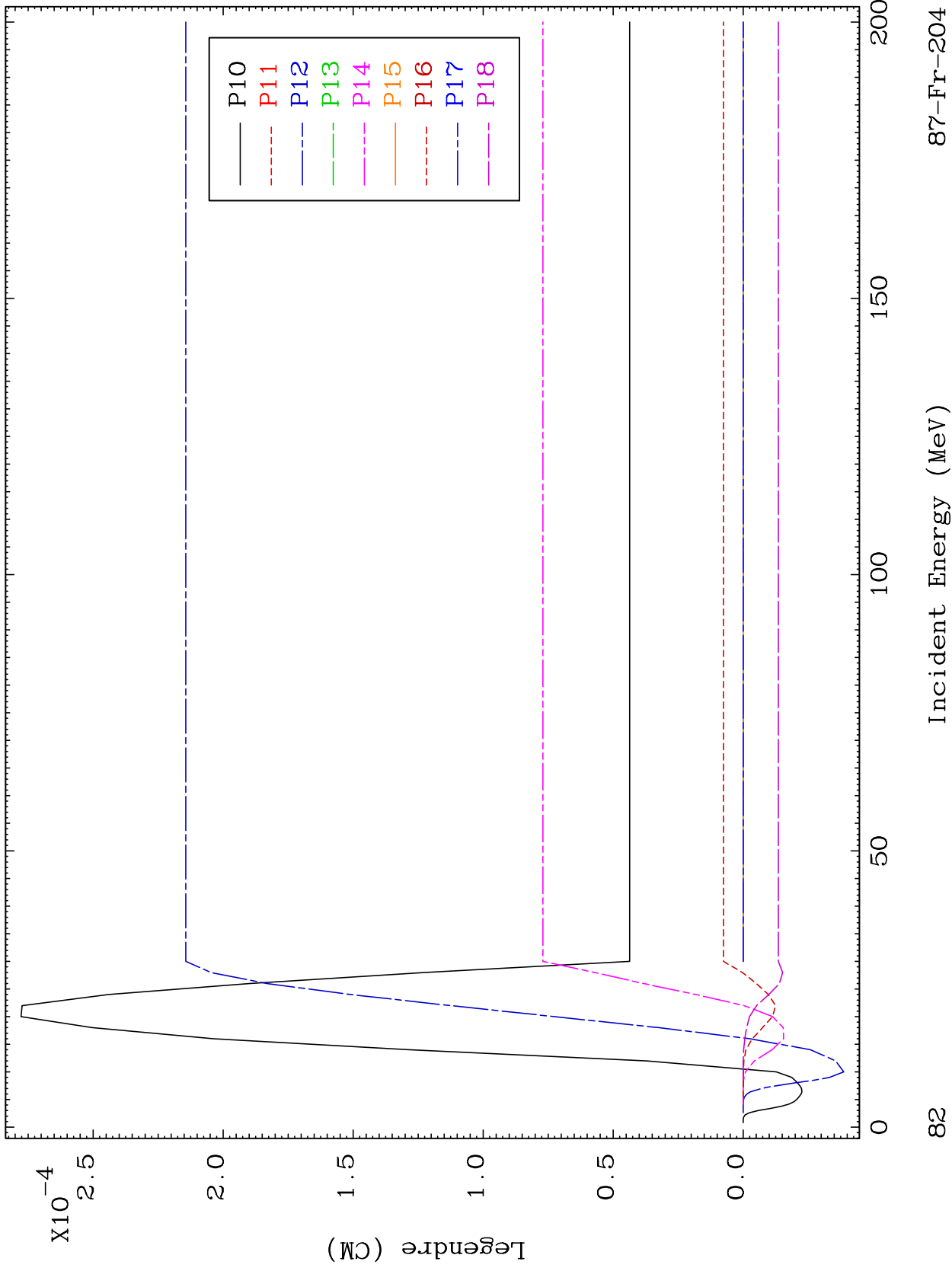




MAT 8701

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

87-Fr-204



82

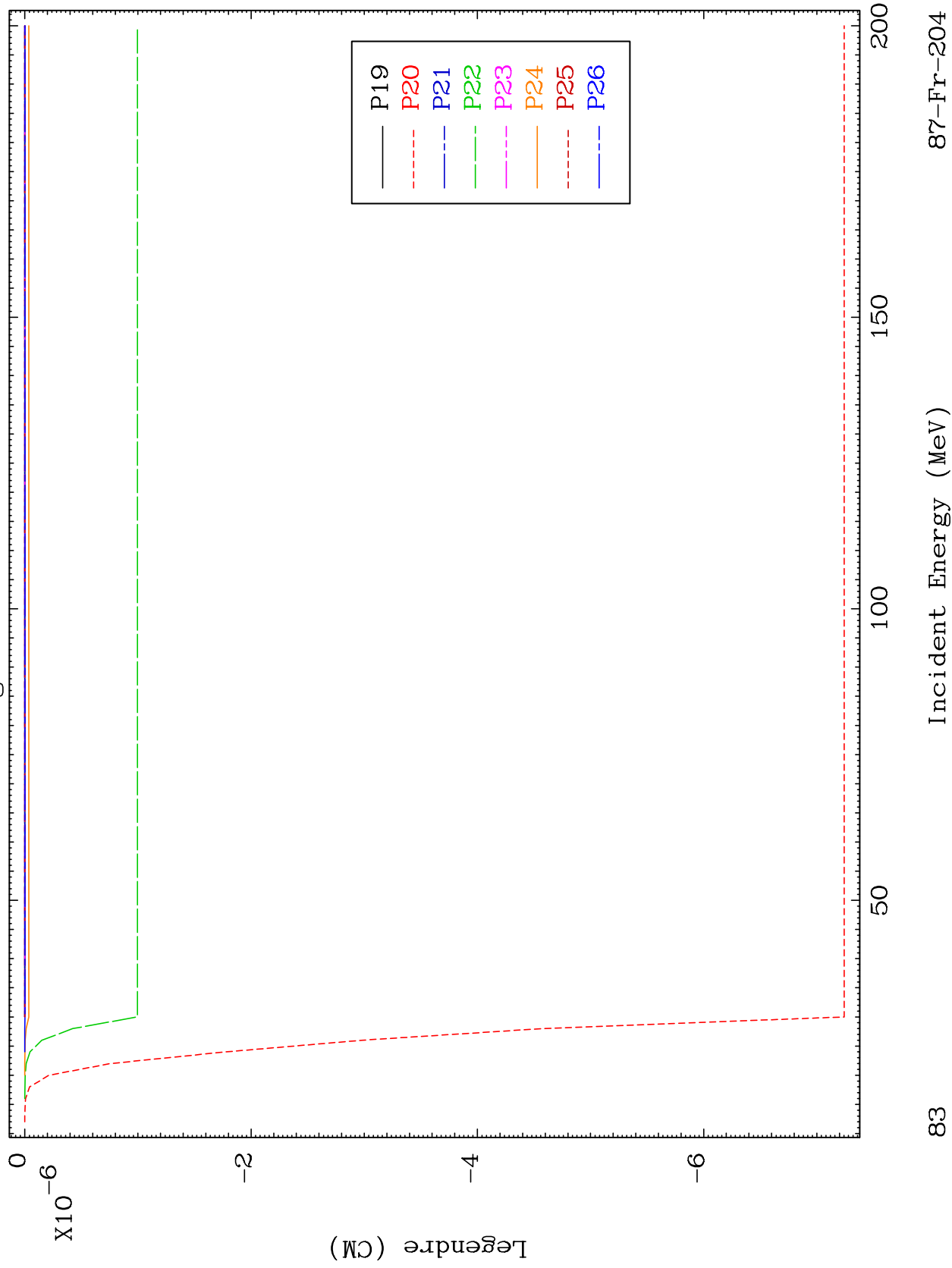
Incident Energy (MeV)

87-Fr-204

MAT 8701

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

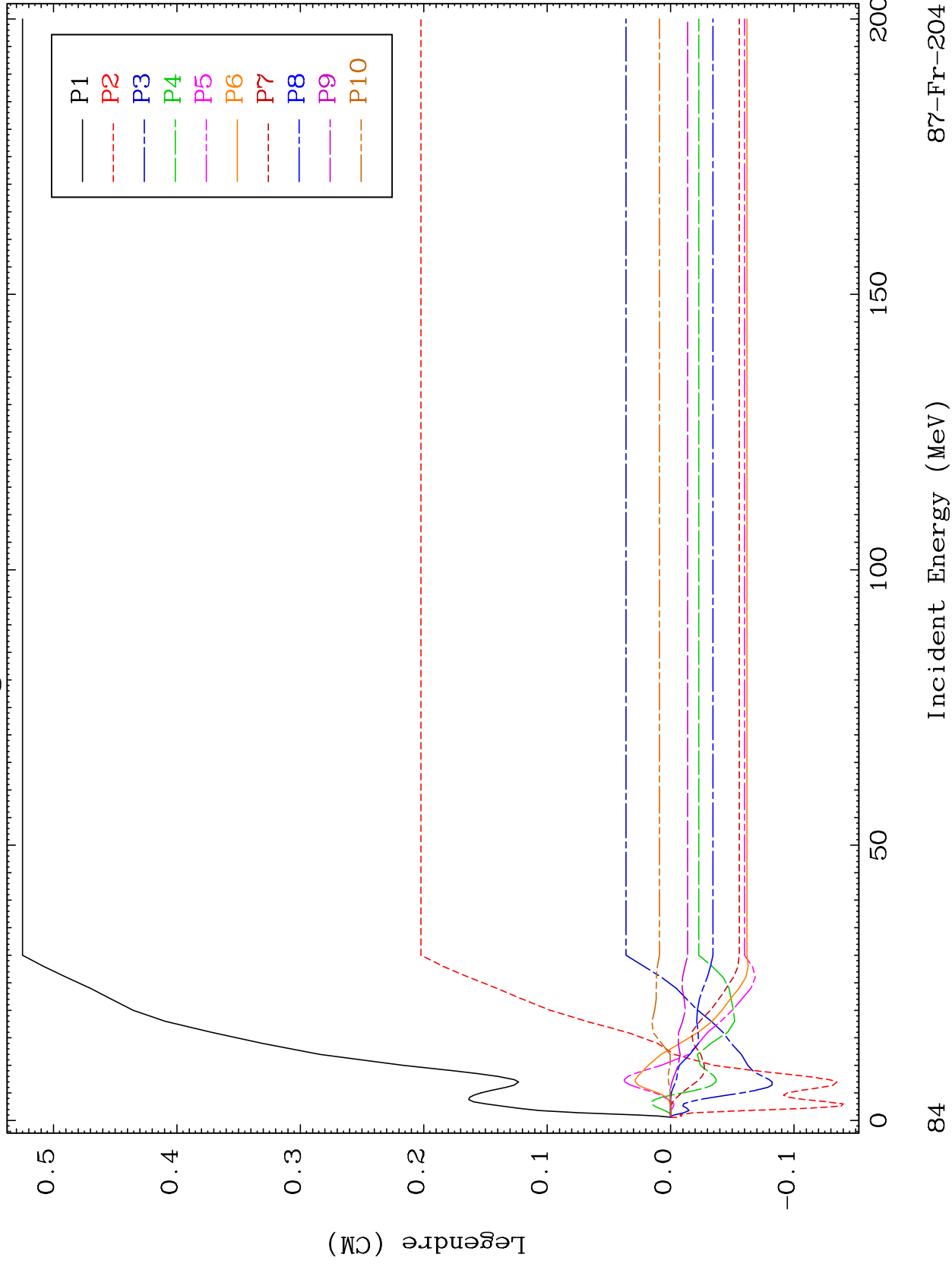
87-Fr-204



MAT 8701

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

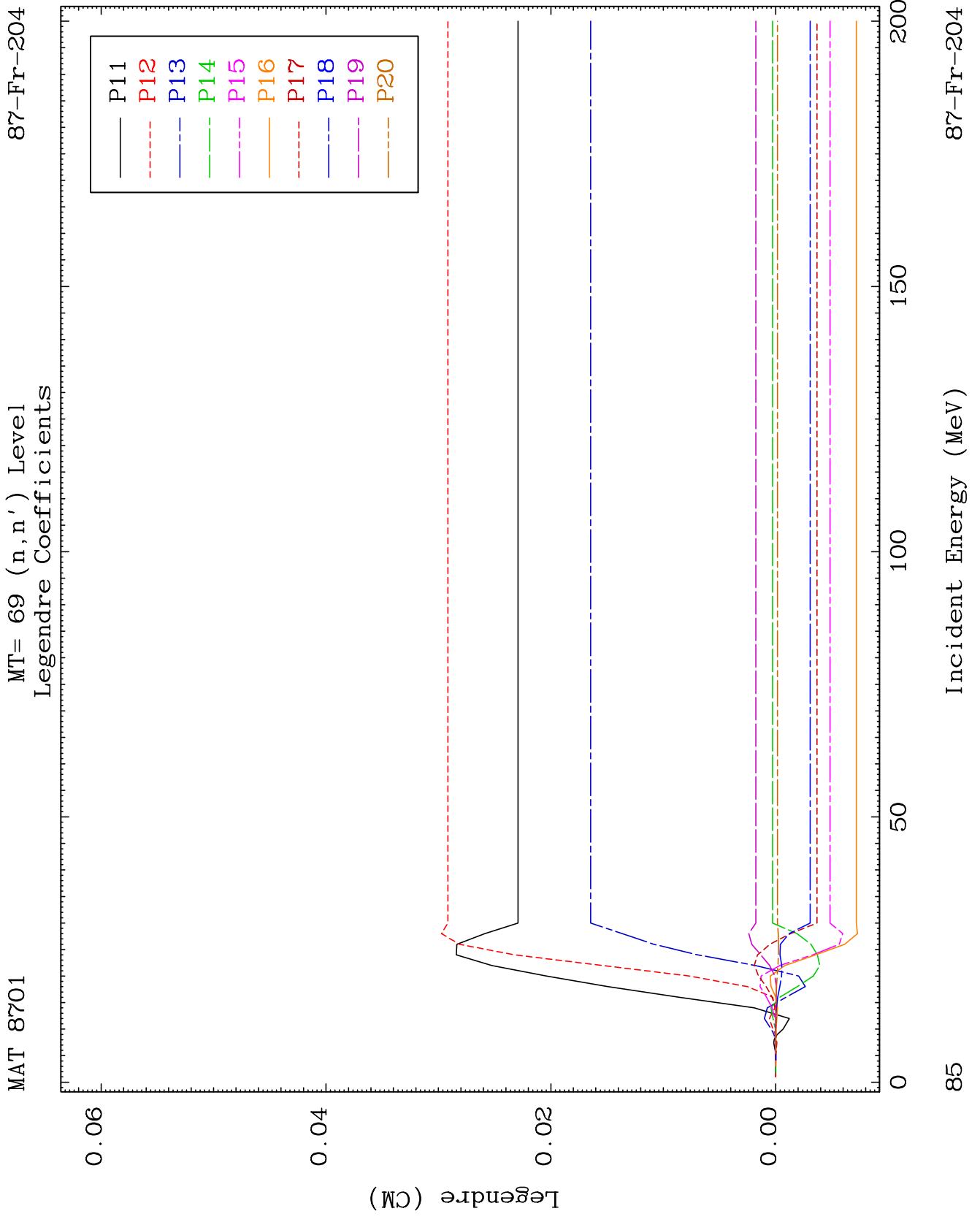
87-Fr-204



84

Incident Energy (MeV)

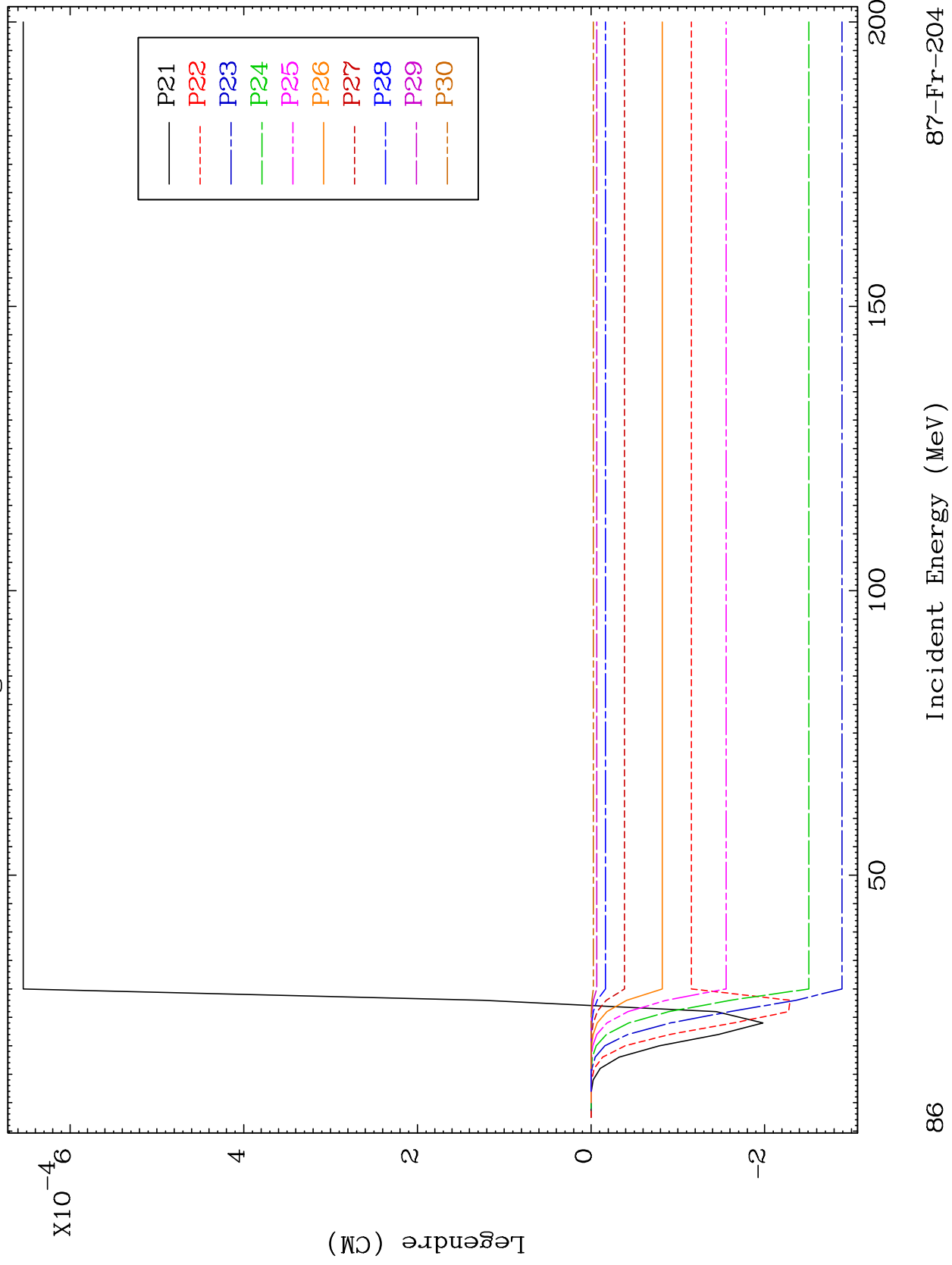
87-Fr-204

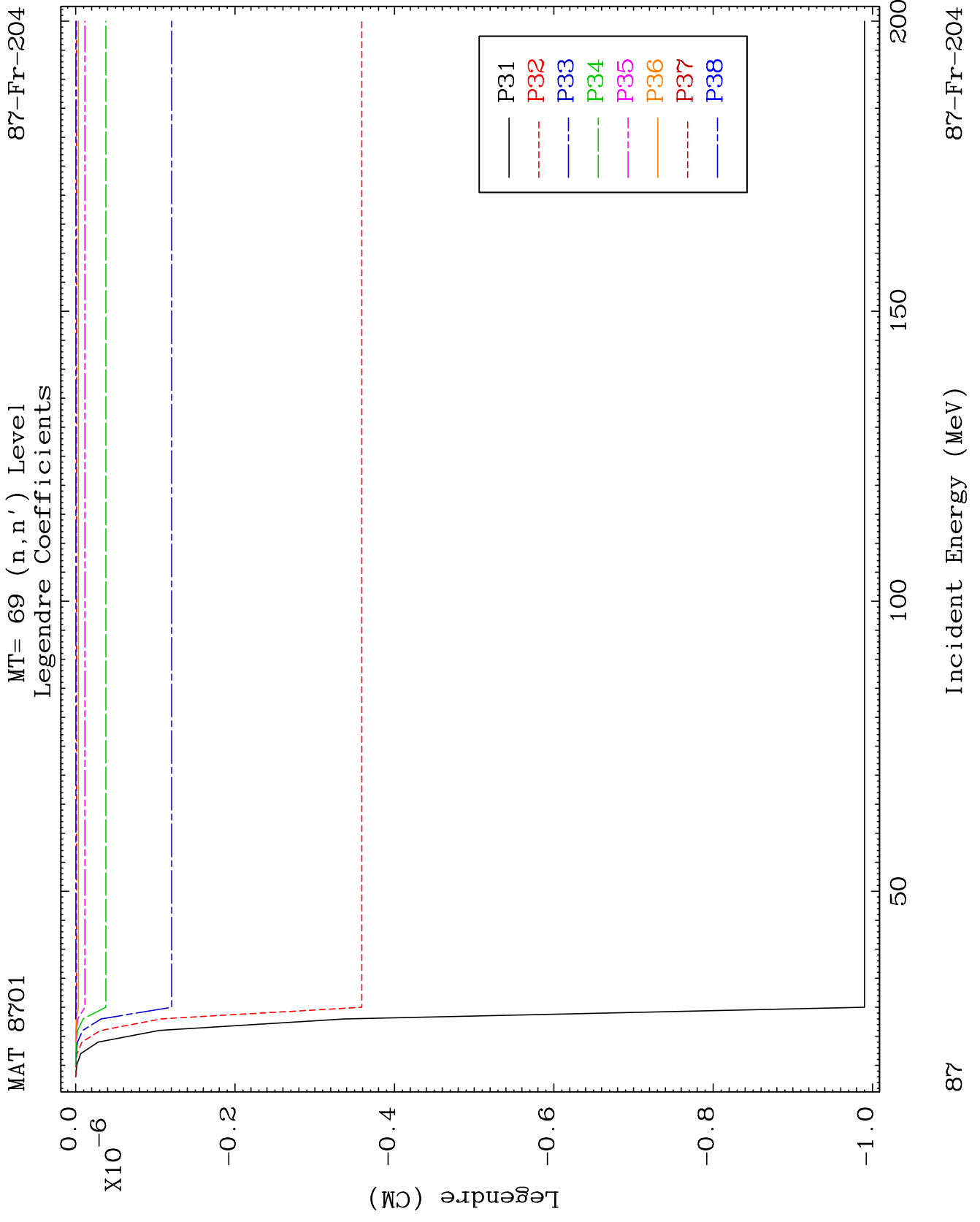


MAT 8701

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

87-Fr-204

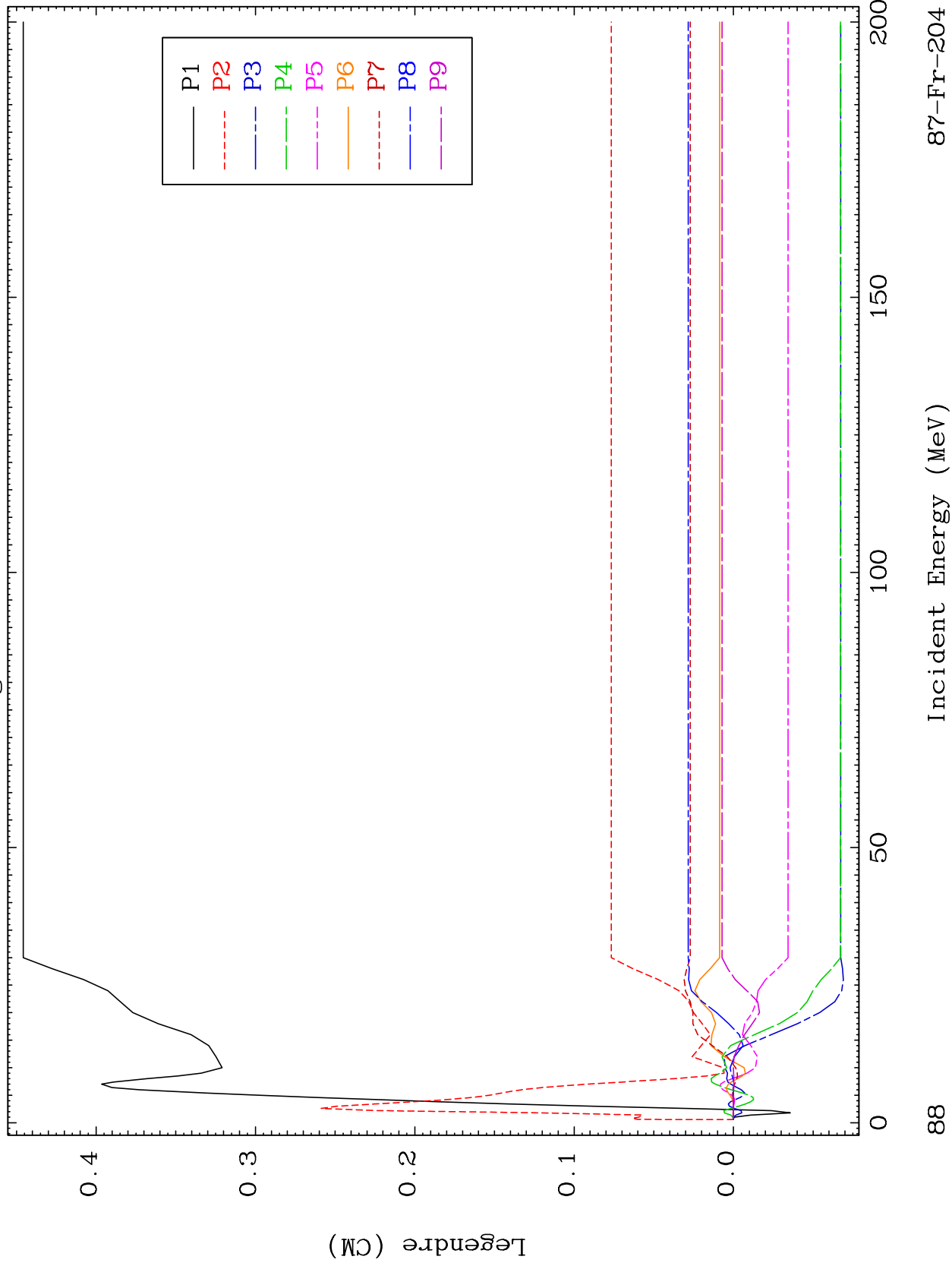




MAT 8701

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

87-Fr-204



87-Fr-204

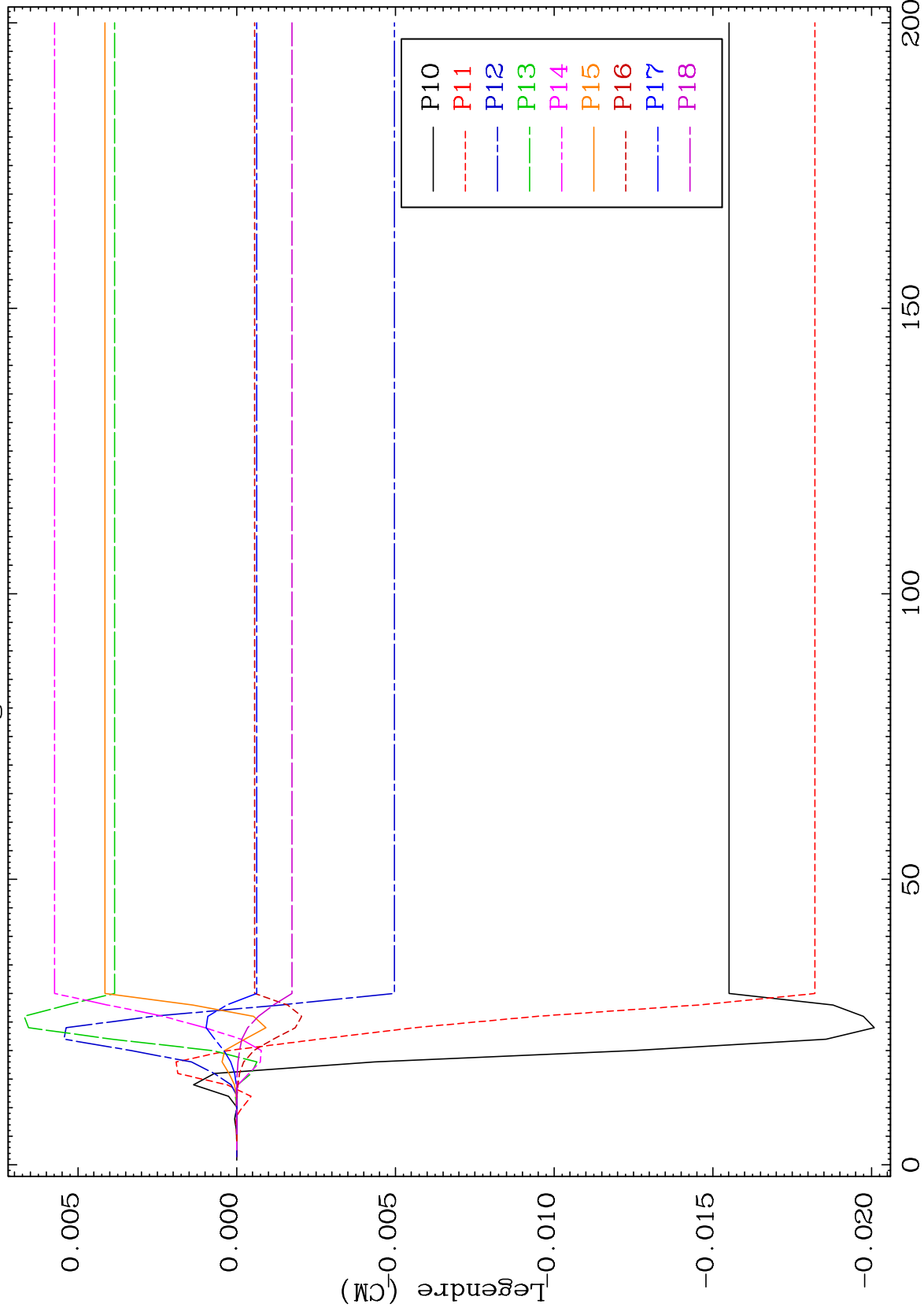
Incident Energy (MeV)

88

MAT 8701

87-Fr-204

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



89

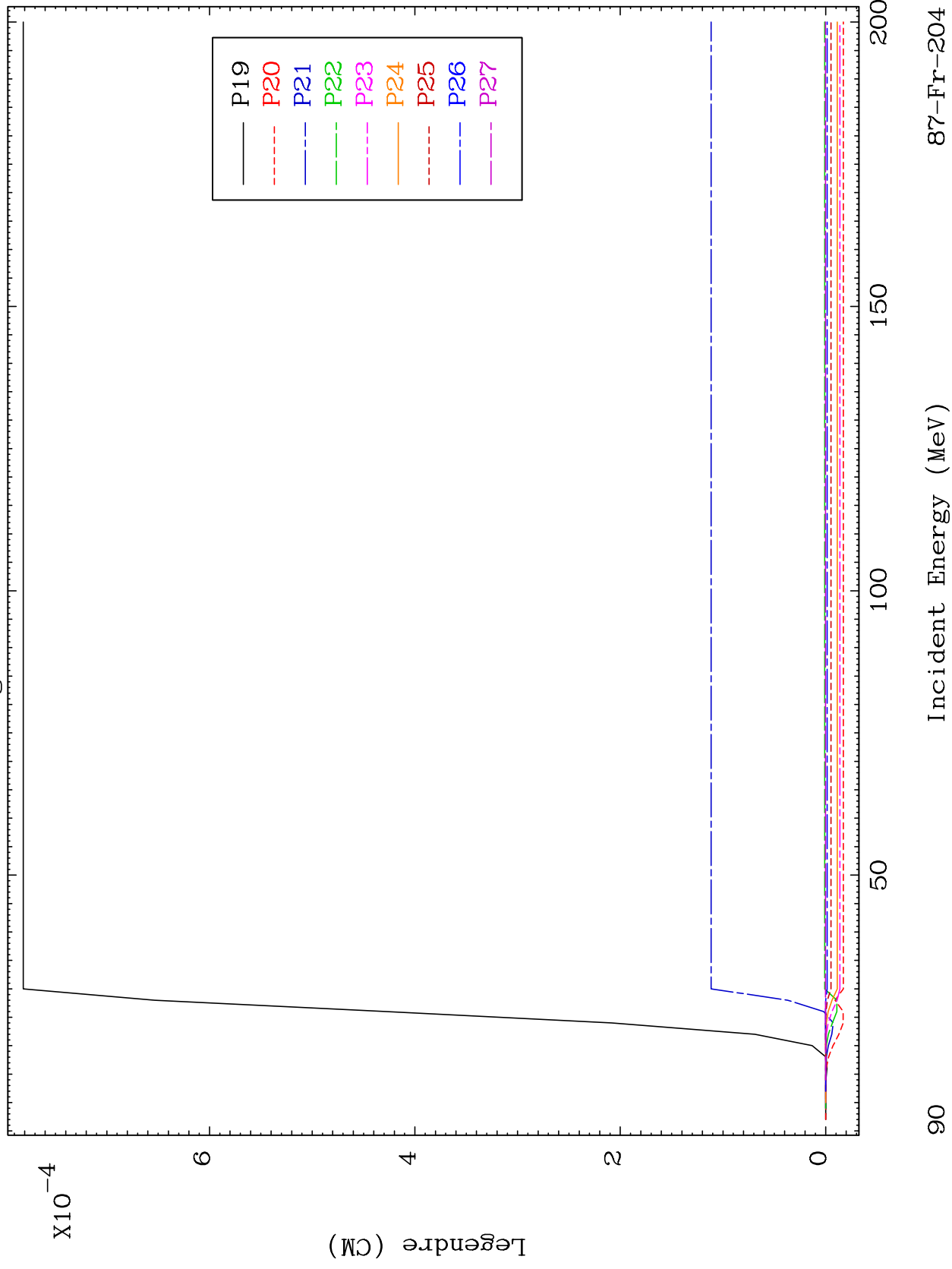
Incident Energy (MeV)

87-Fr-204

MAT 8701

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

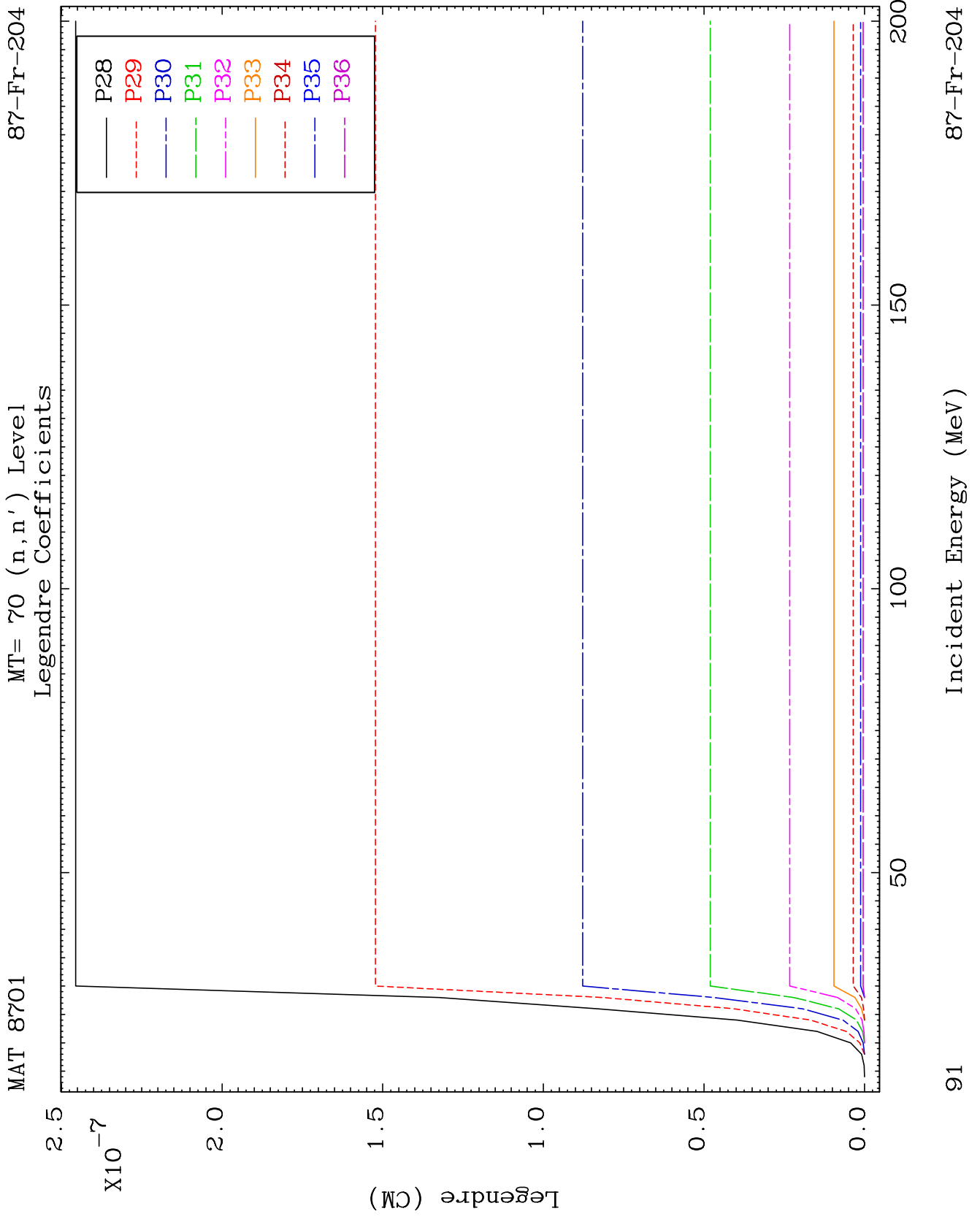
87-Fr-204



87-Fr-204

Incident Energy (MeV)

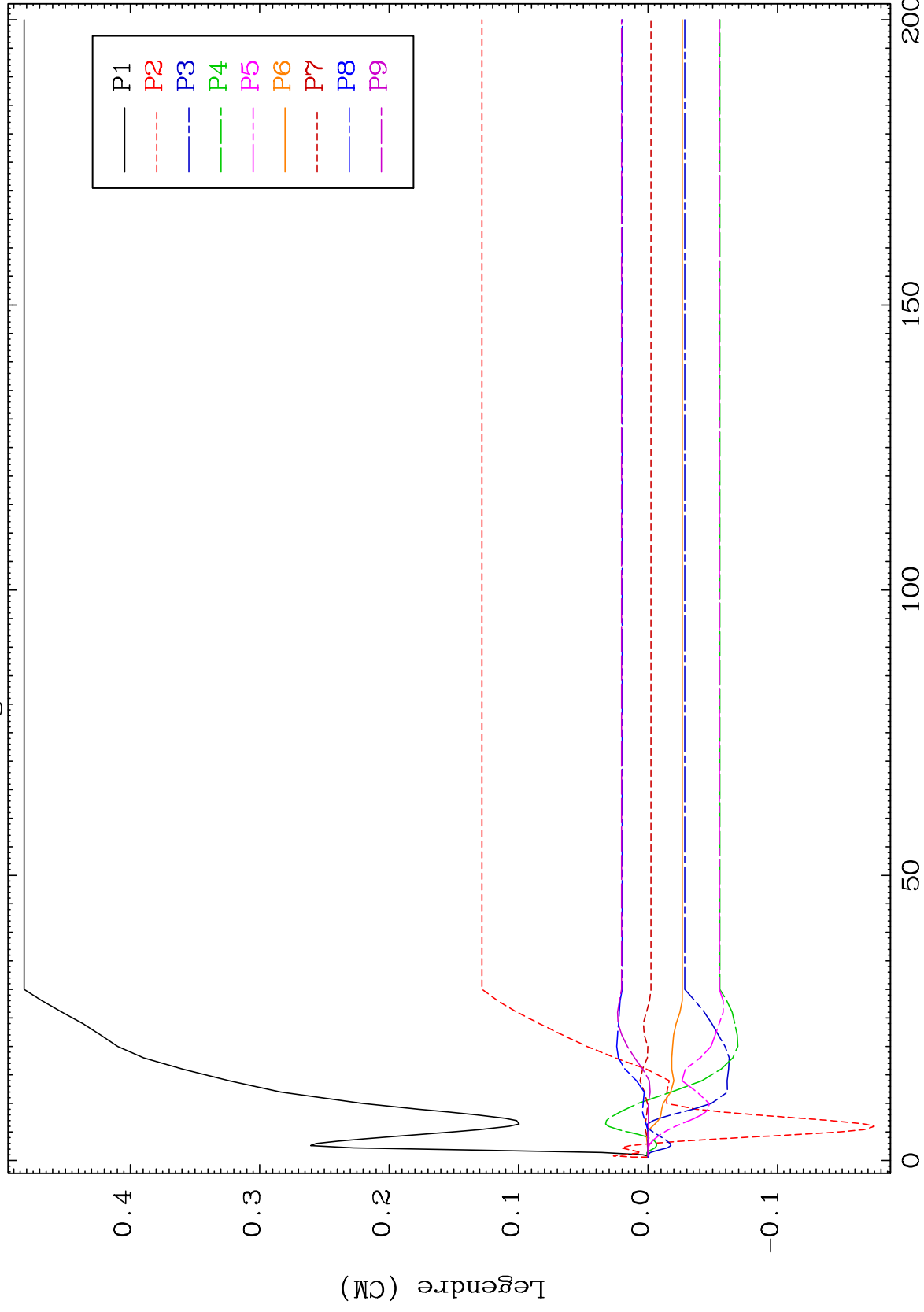
90



MAT 8701

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

87-Fr-204



92

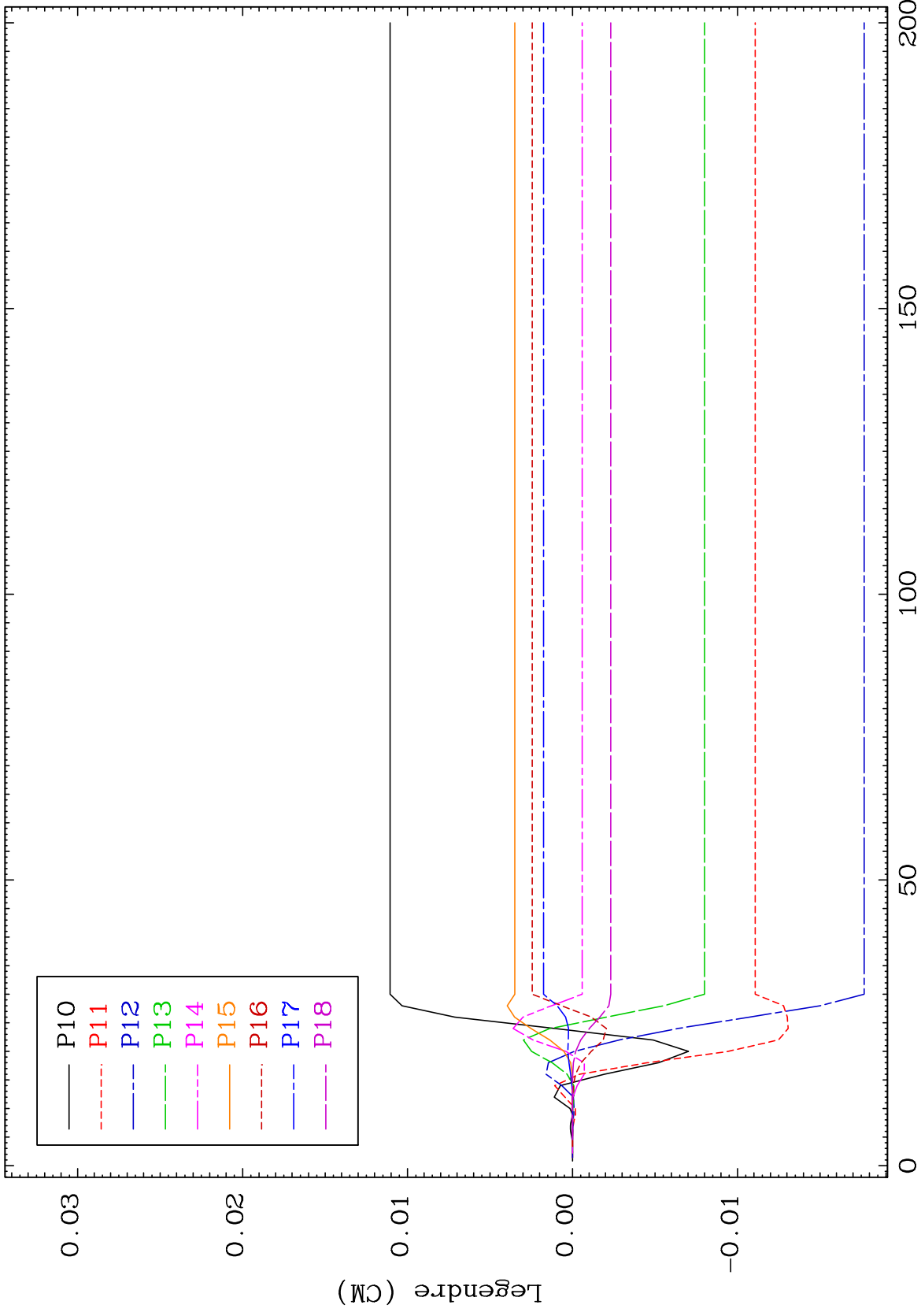
Incident Energy (MeV)

87-Fr-204

MAT 8701

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

87-Fr-204



93

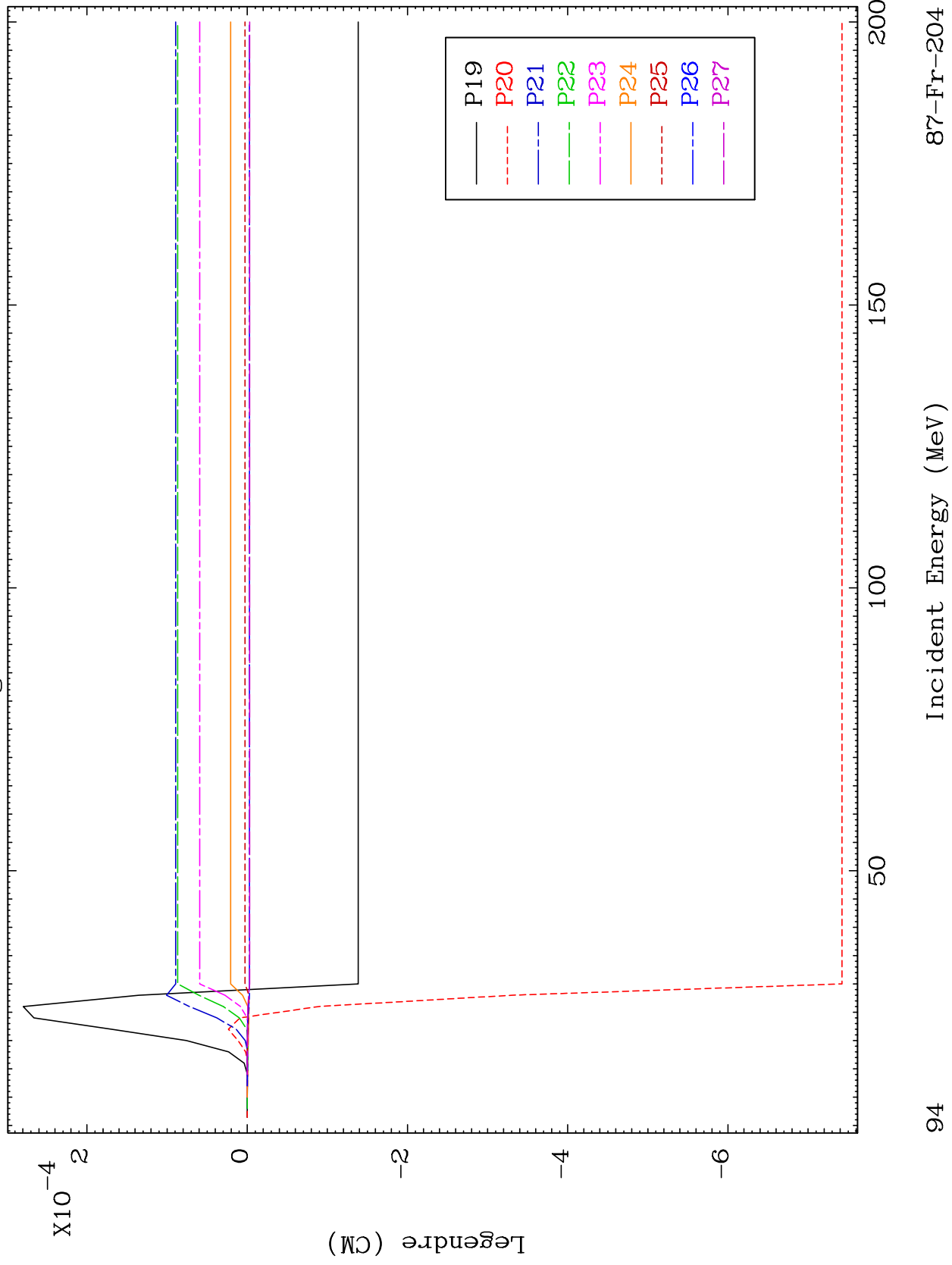
Incident Energy (MeV)

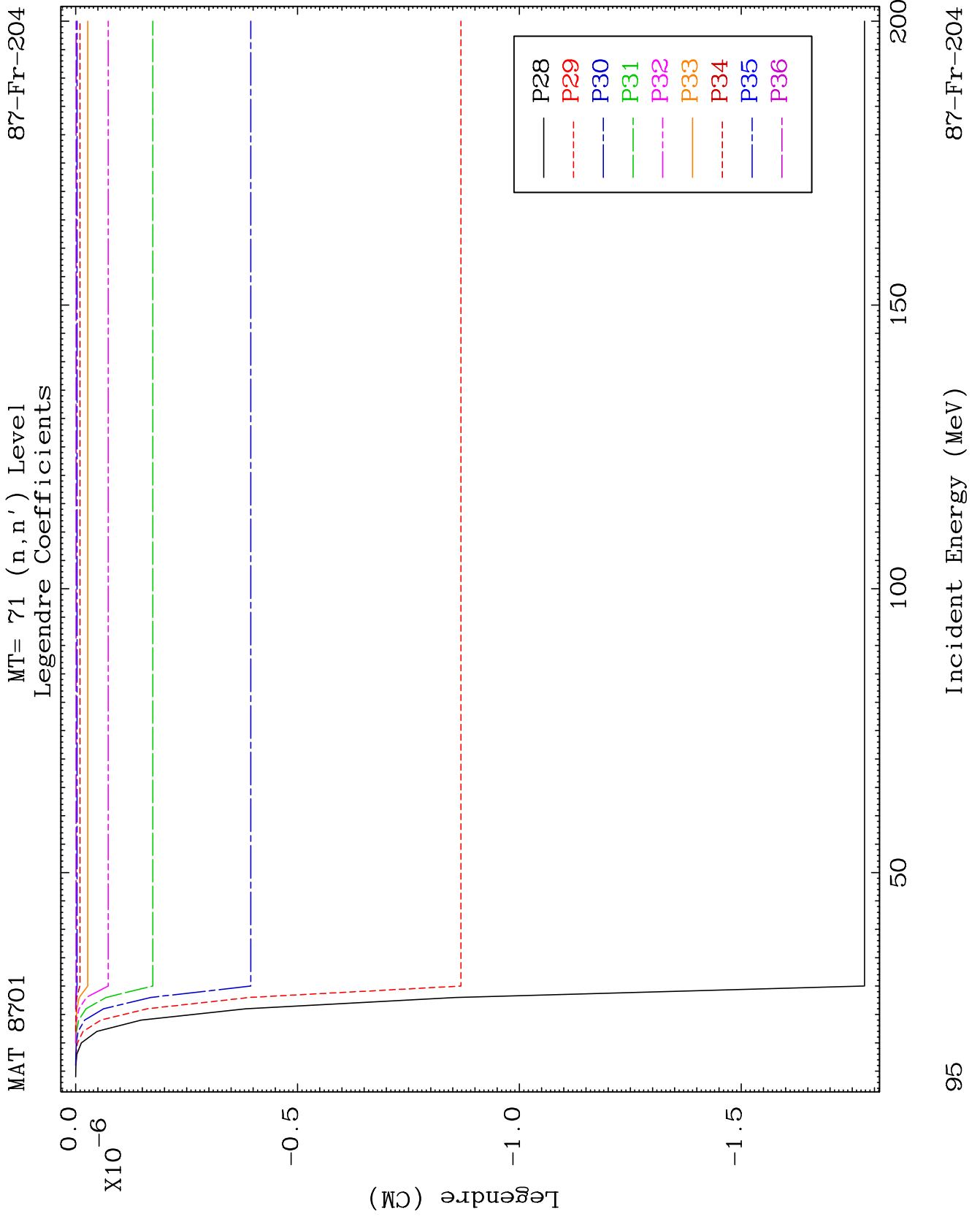
87-Fr-204

MAT 8701

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

87-Fr-204

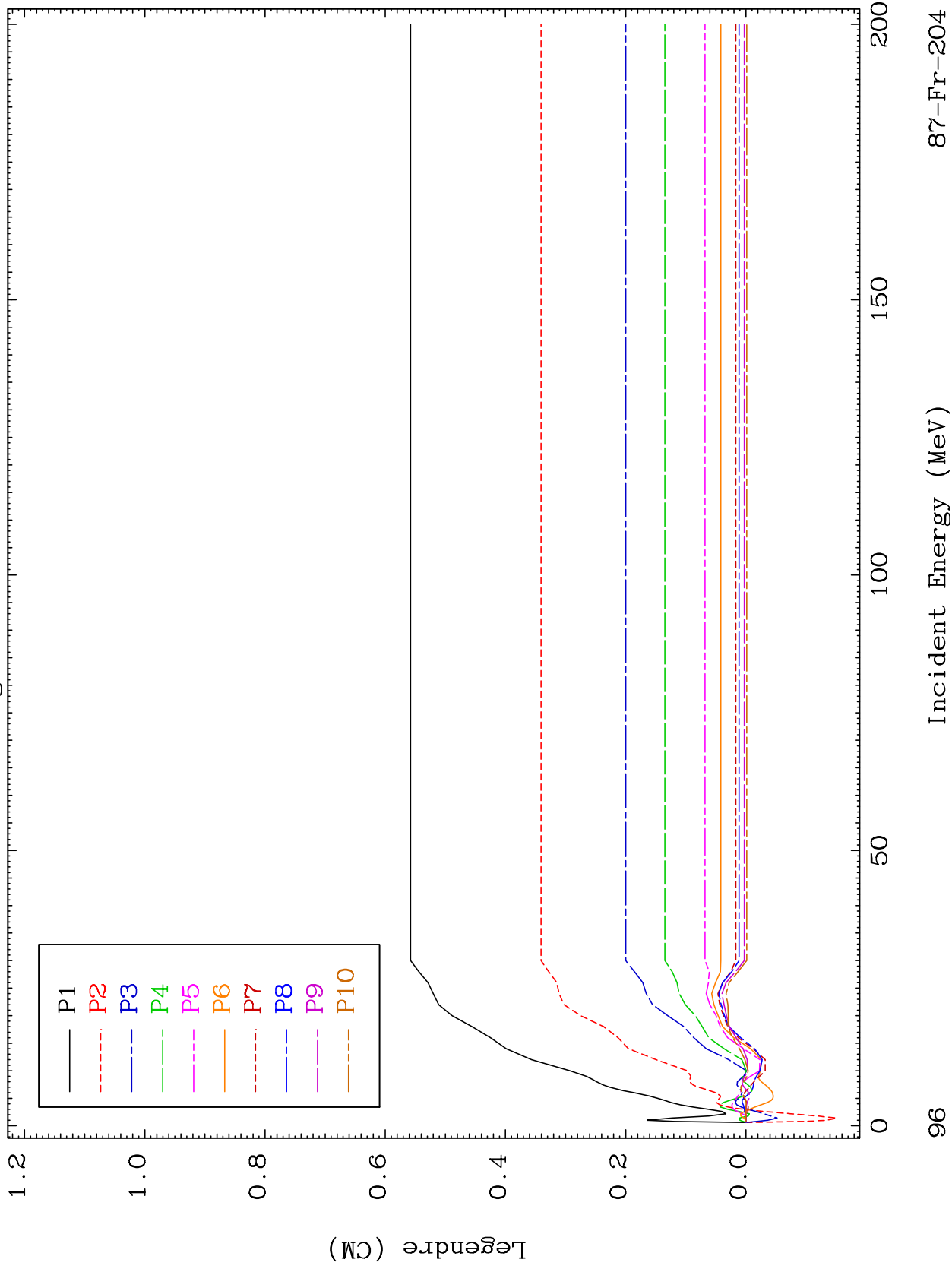




MAT 8701

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

87-Fr-204



87-Fr-204

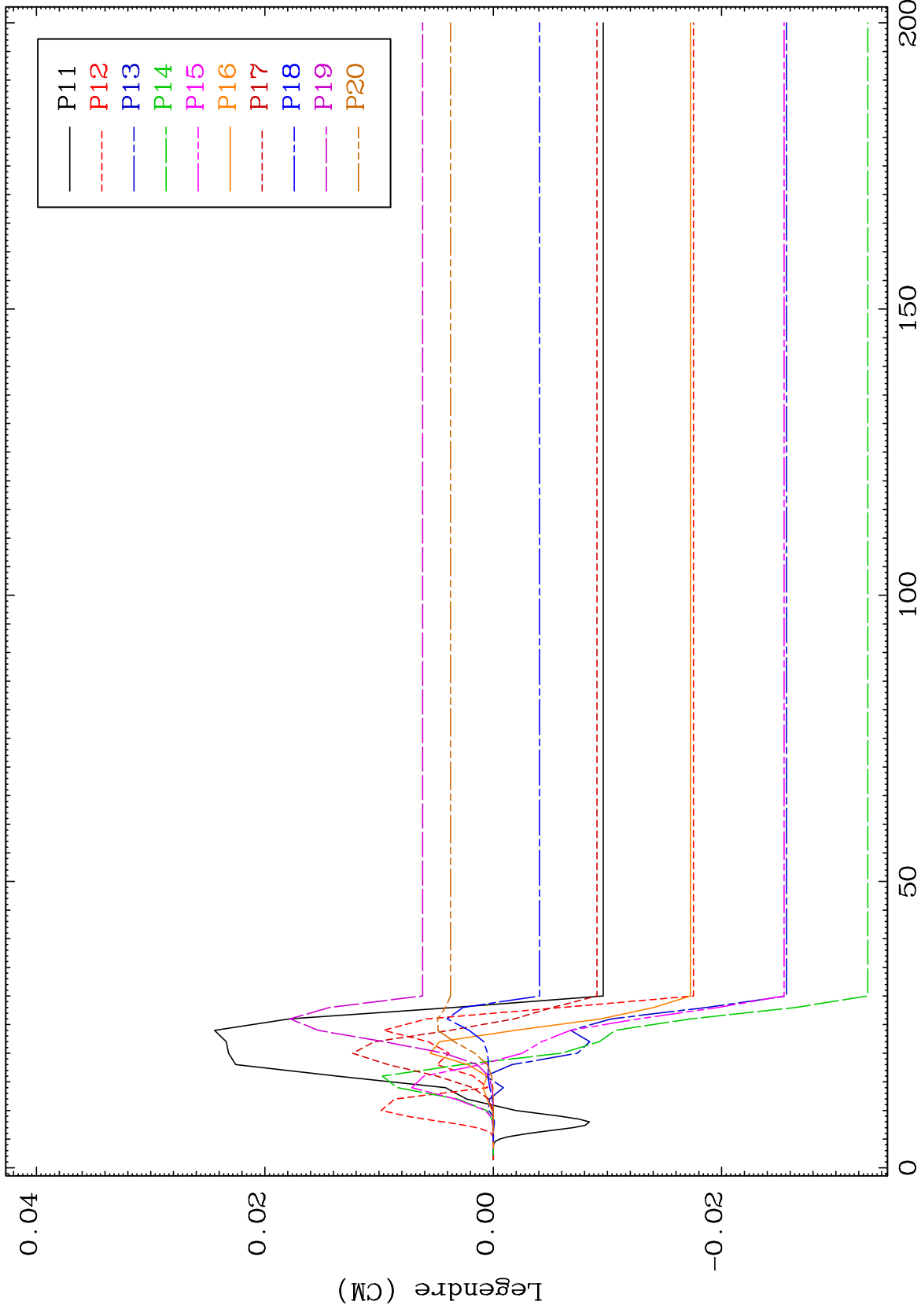
Incident Energy (MeV)

96

MAT 8701

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

87-Fr-204



97

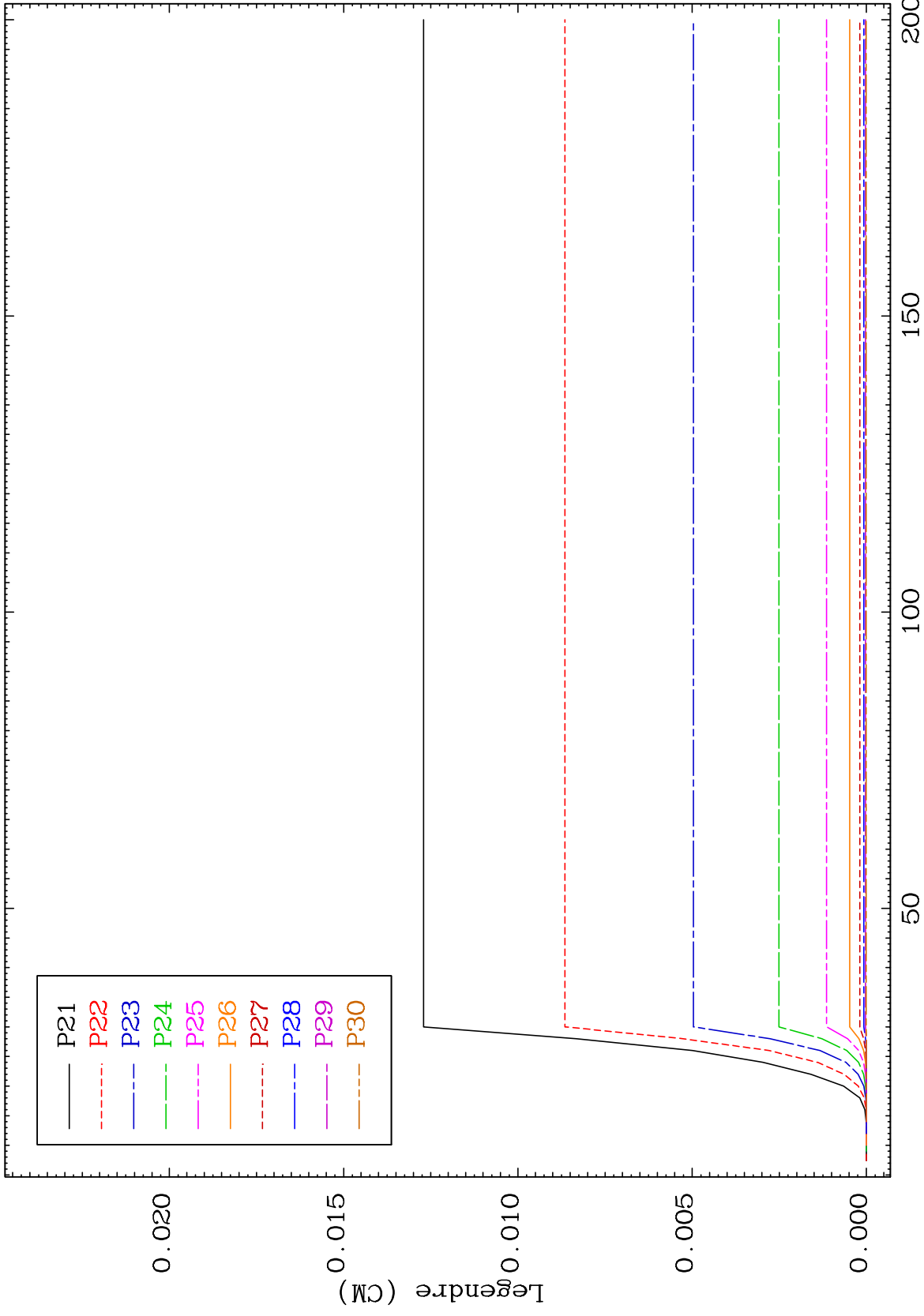
Incident Energy (MeV)

87-Fr-204

MAT 8701

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

87-Fr-204



98

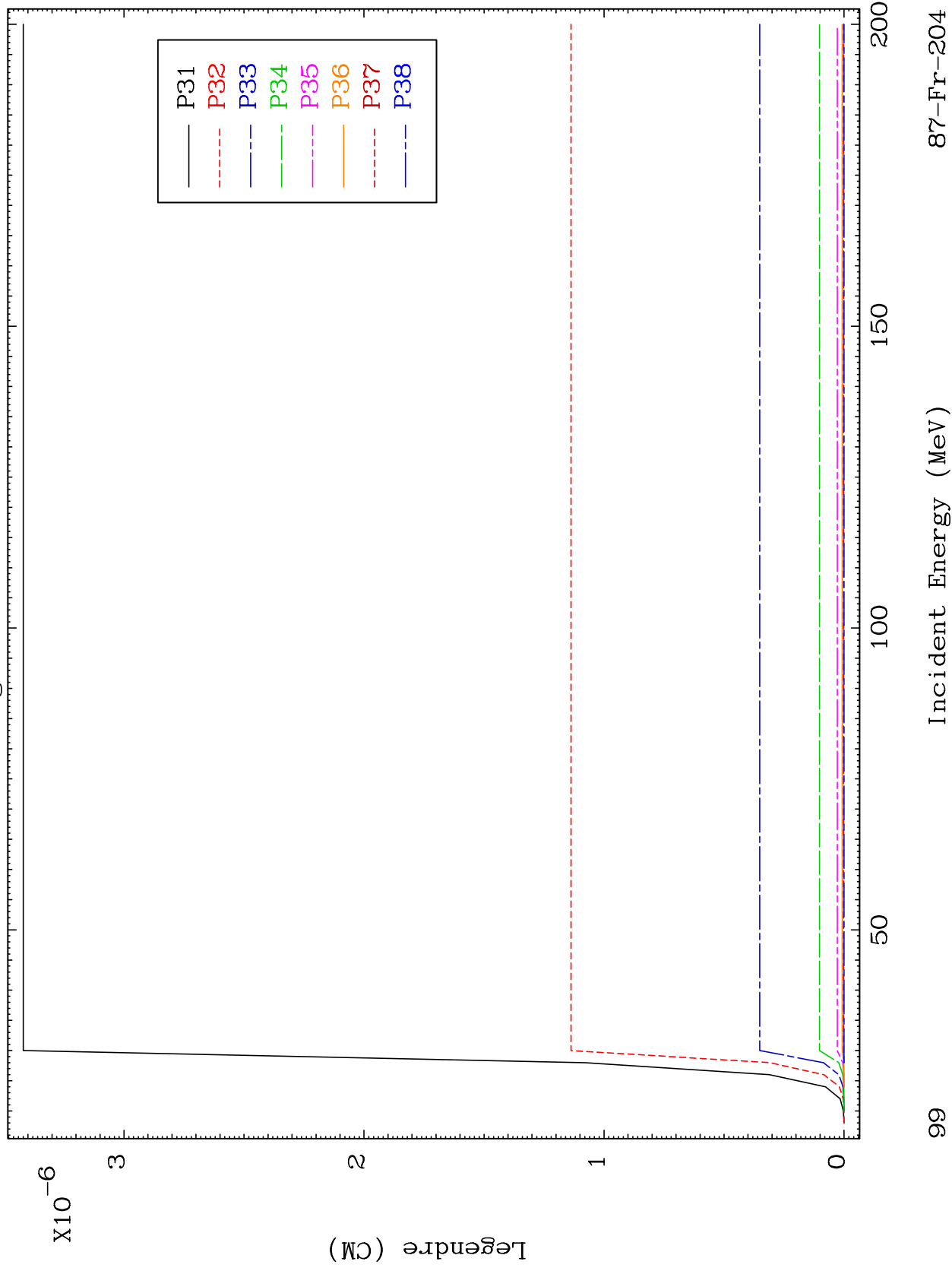
Incident Energy (MeV)

87-Fr-204

MAT 8701

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

87-Fr-204

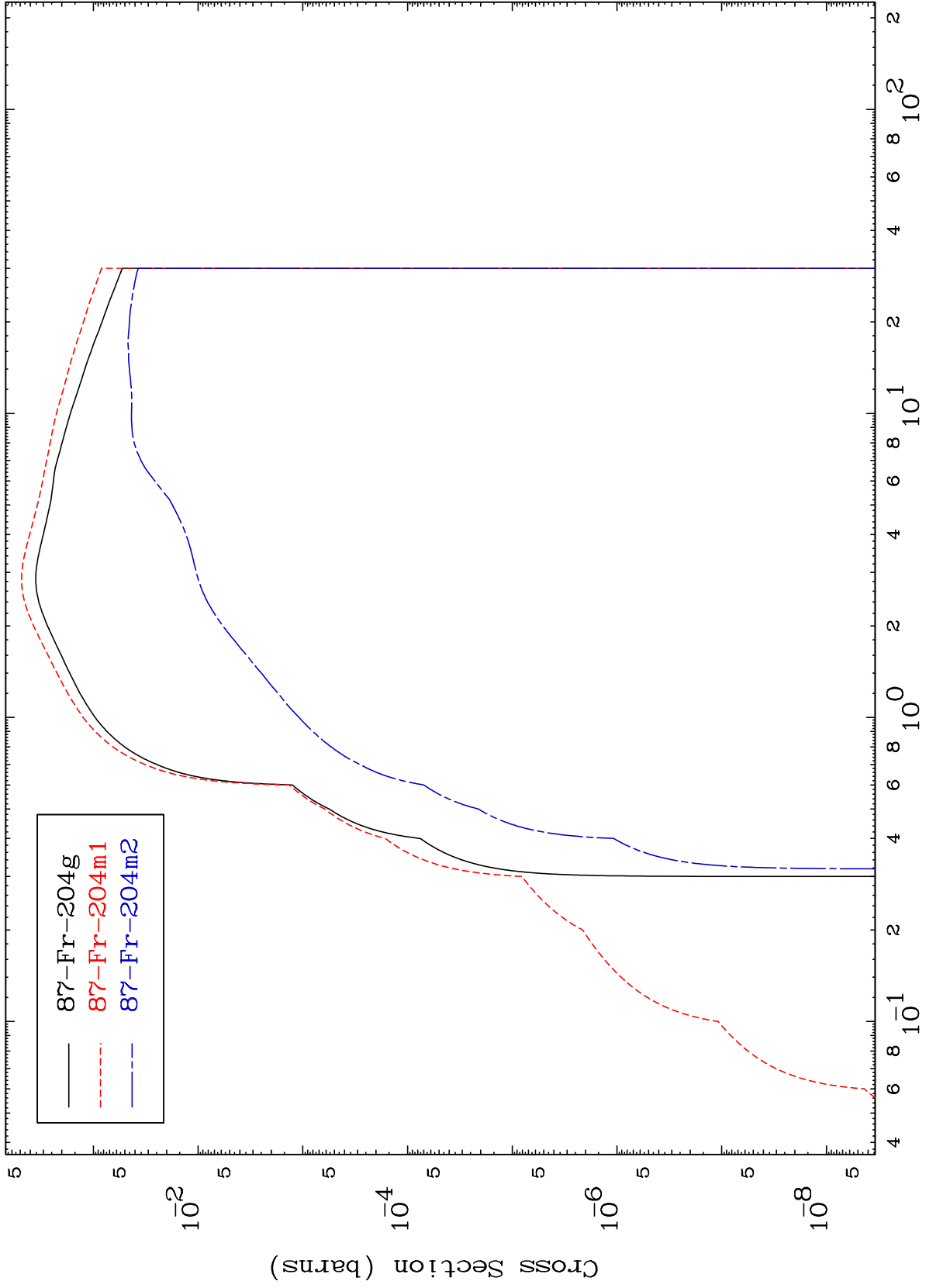


99

MAT 8701

87-Fr-204

Radionuclide Production Cross Section



87-Fr-204g
87-Fr-204m1
87-Fr-204m2

87-Fr-204

Incident Energy (MeV)

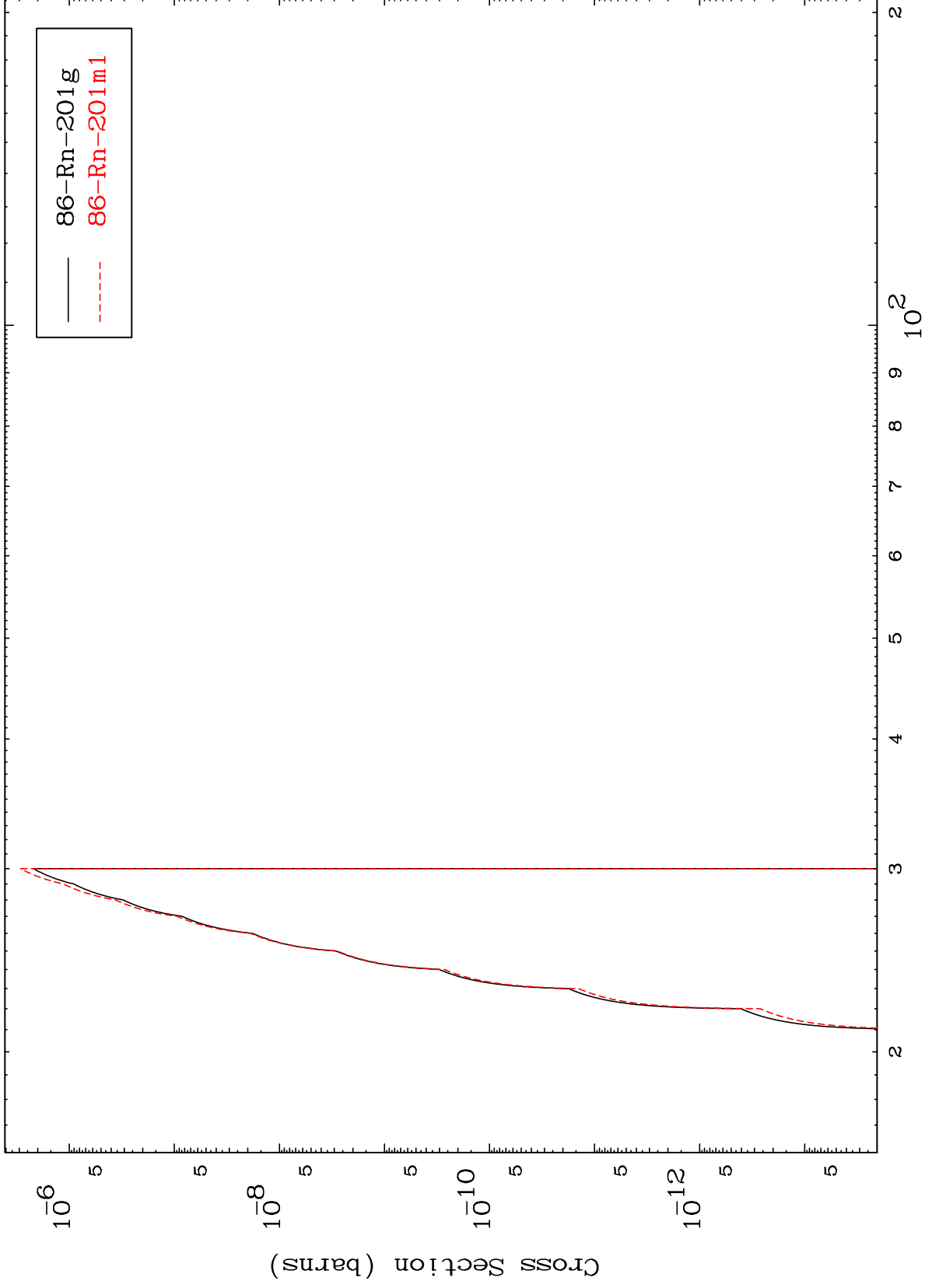
100

MAT 8701

(n,2n) d

87-Fr-204

Radionuclide Production Cross Section



101

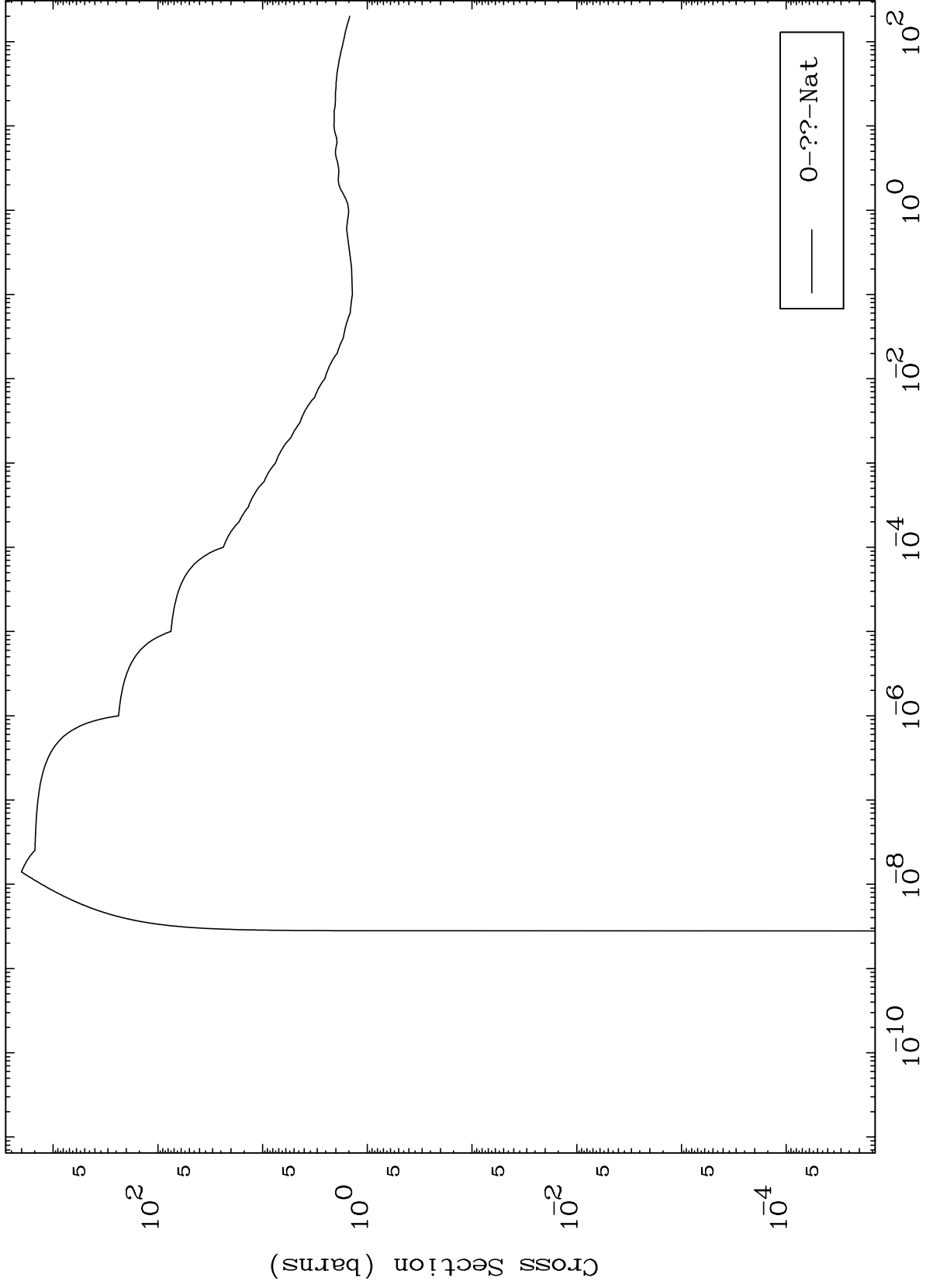
Incident Energy (MeV)

87-Fr-204

MAT 8701

87-Fr-204

Fission
Radionuclide Production Cross Section

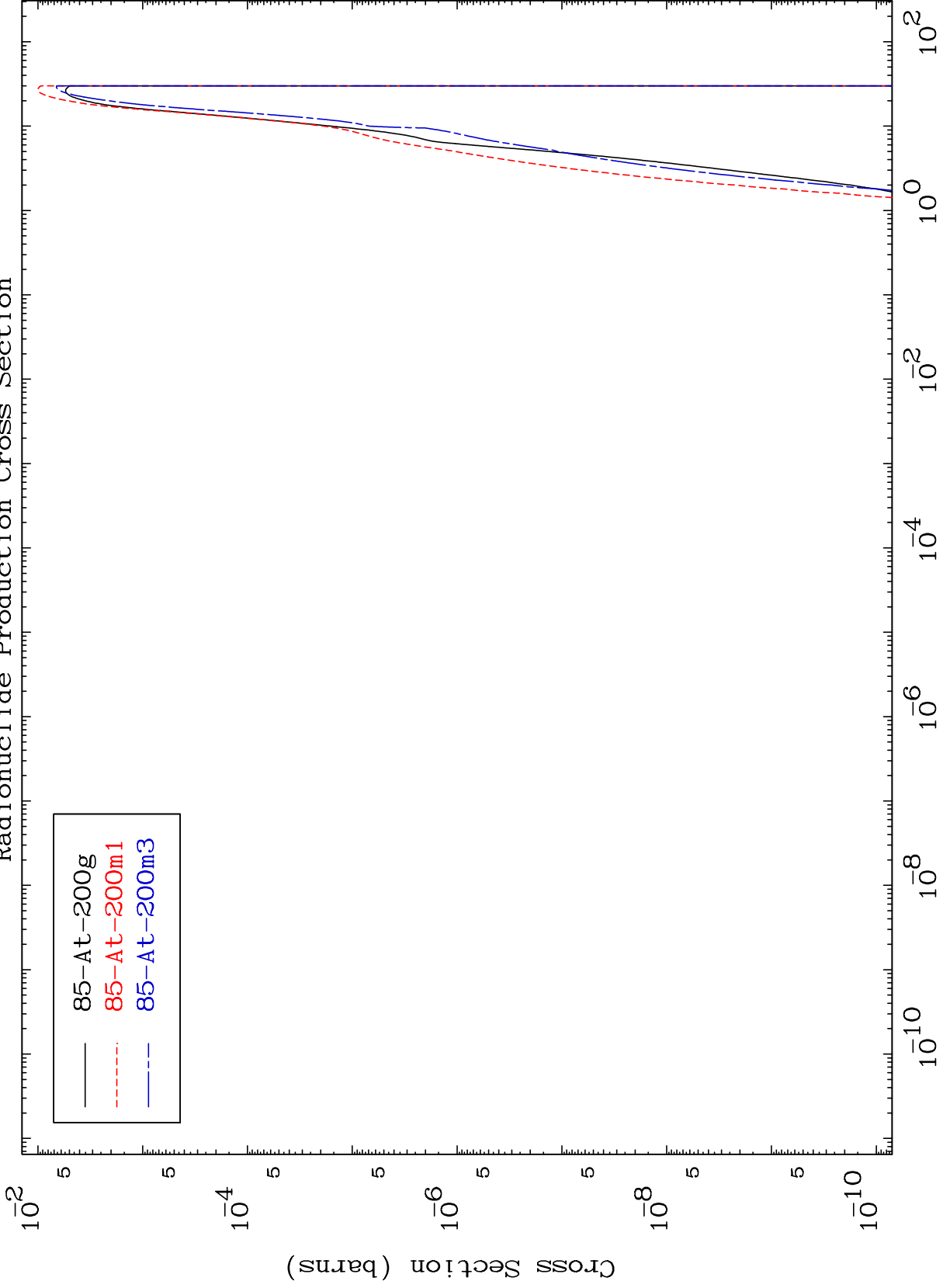


MAT 8701

$(n, n') \alpha$

87-Fr-204

Radionuclide Production Cross Section



103

Incident Energy (MeV)

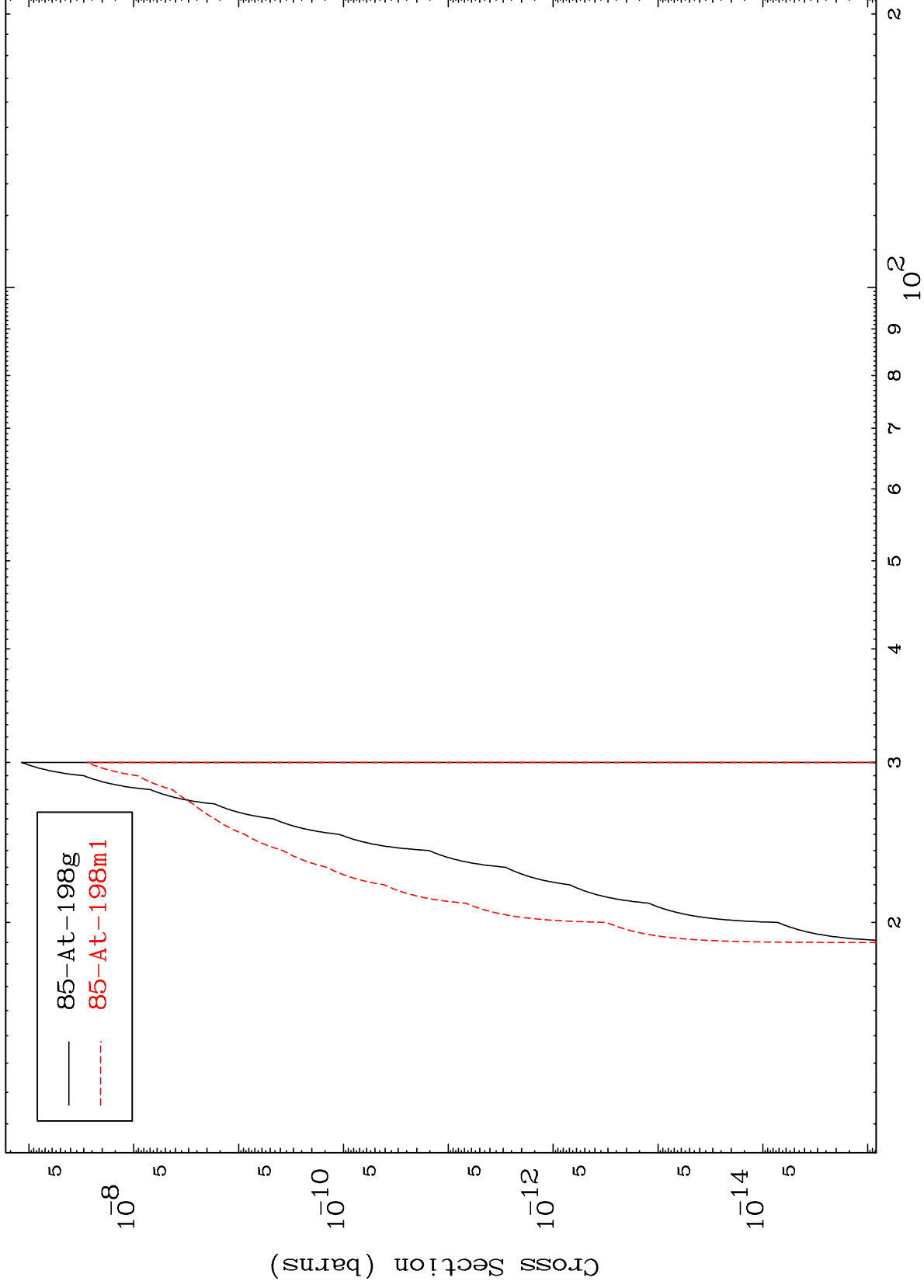
87-Fr-204

MAT 8701

(n,3n) α

87-Fr-204

Radionuclide Production Cross Section



104

Incident Energy (MeV)

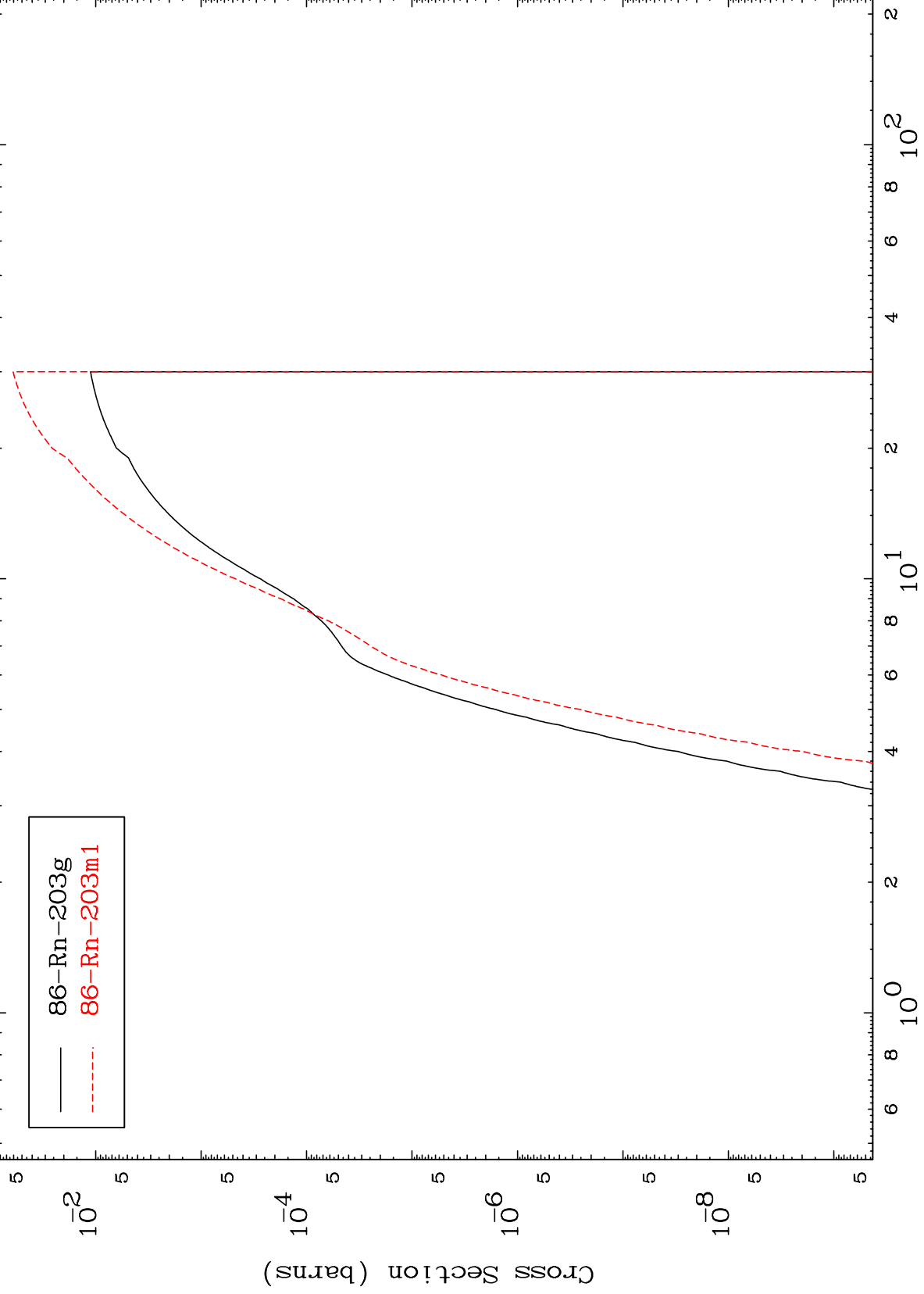
87-Fr-204

MAT 8701

(n,n') p

87-Fr-204

Radionuclide Production Cross Section



105

Incident Energy (MeV)

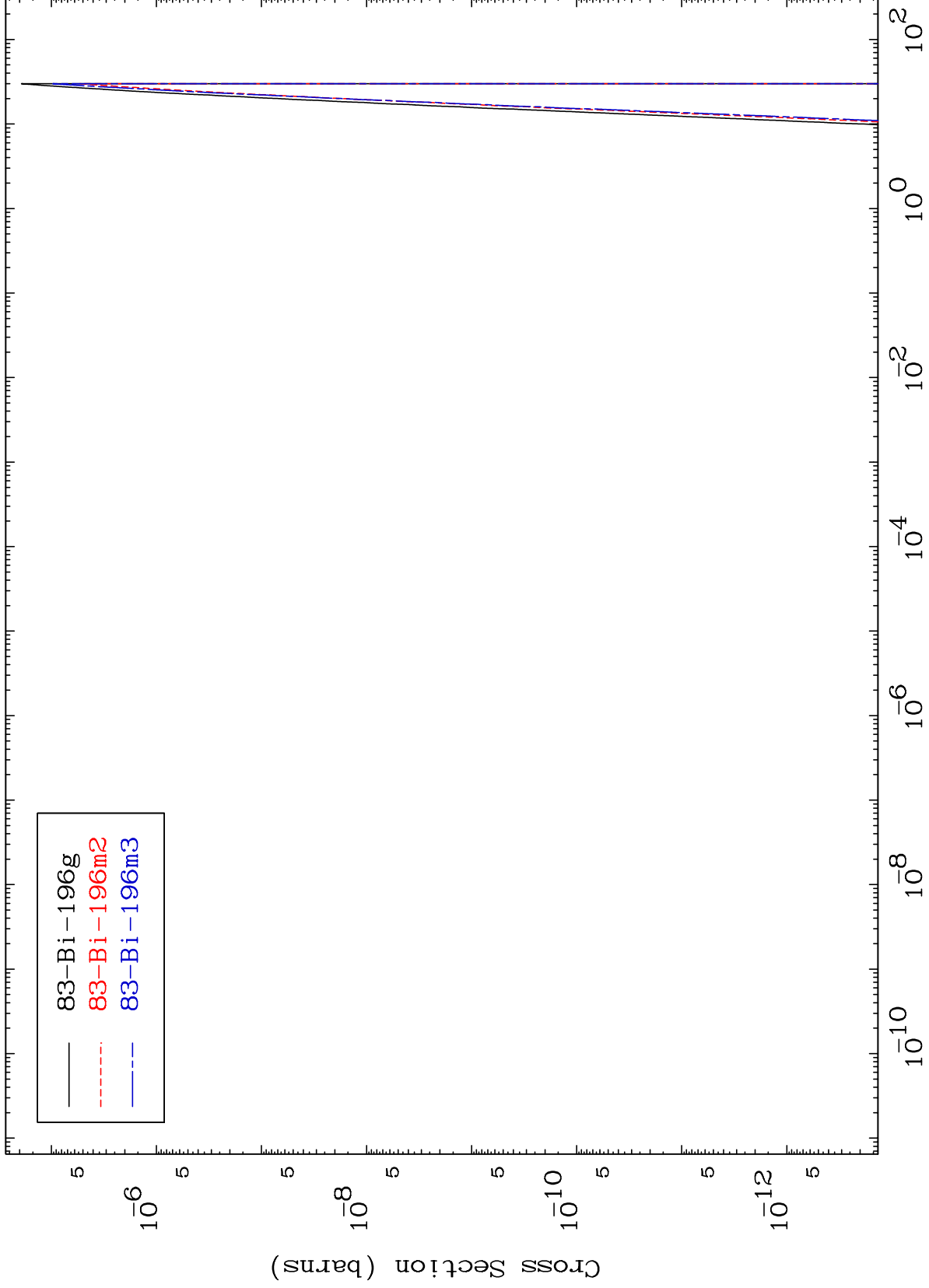
87-Fr-204

MAT 8701

(n,n') 2α

87-Fr-204

Radionuclide Production Cross Section



106

Incident Energy (MeV)

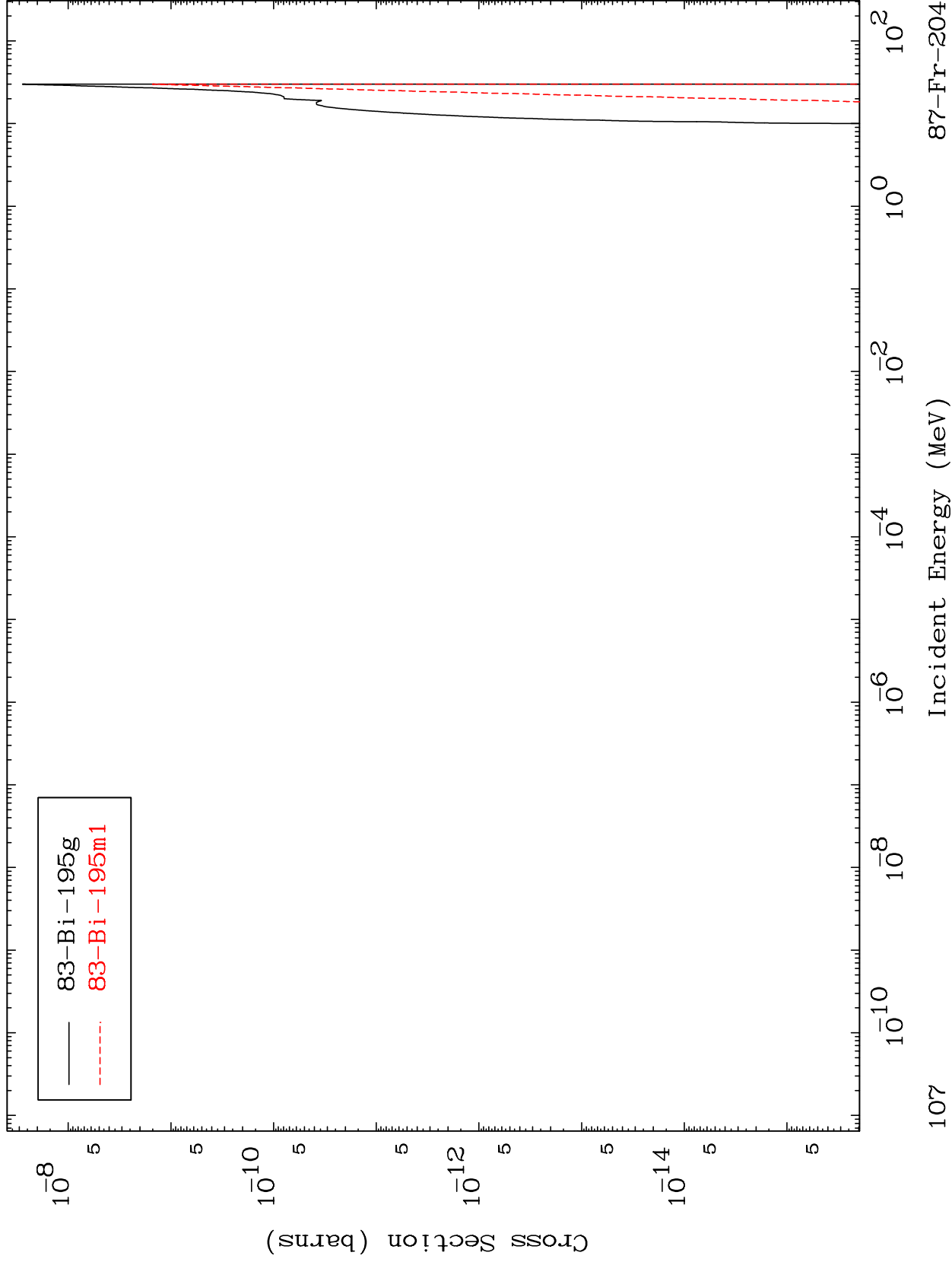
87-Fr-204

MAT 8701

$(n,2n) 2\alpha$

87-Fr-204

Radionuclide Production Cross Section



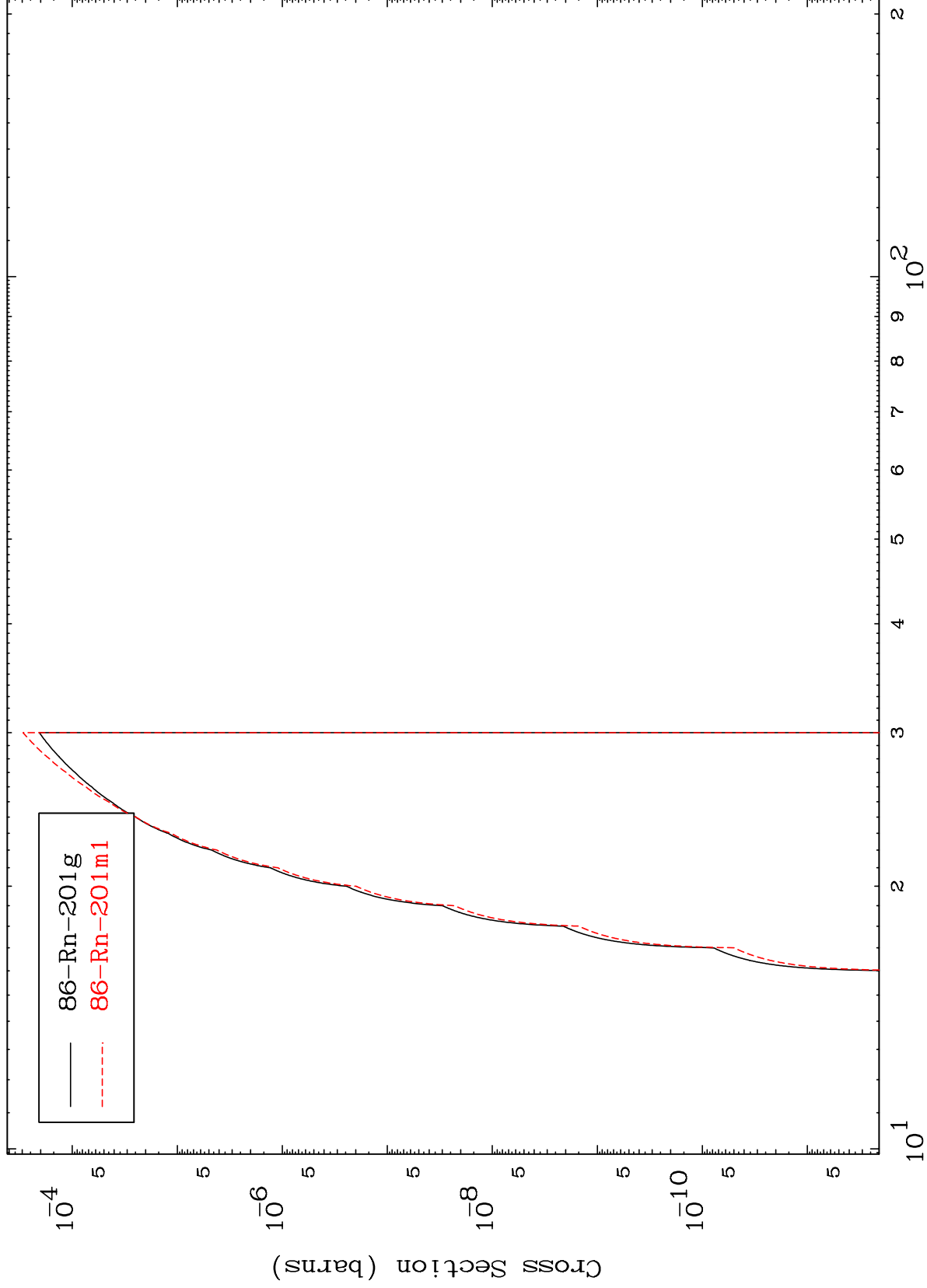
107

MAT 8701

(n,n') t

87-Fr-204

Radionuclide Production Cross Section



Incident Energy (MeV)

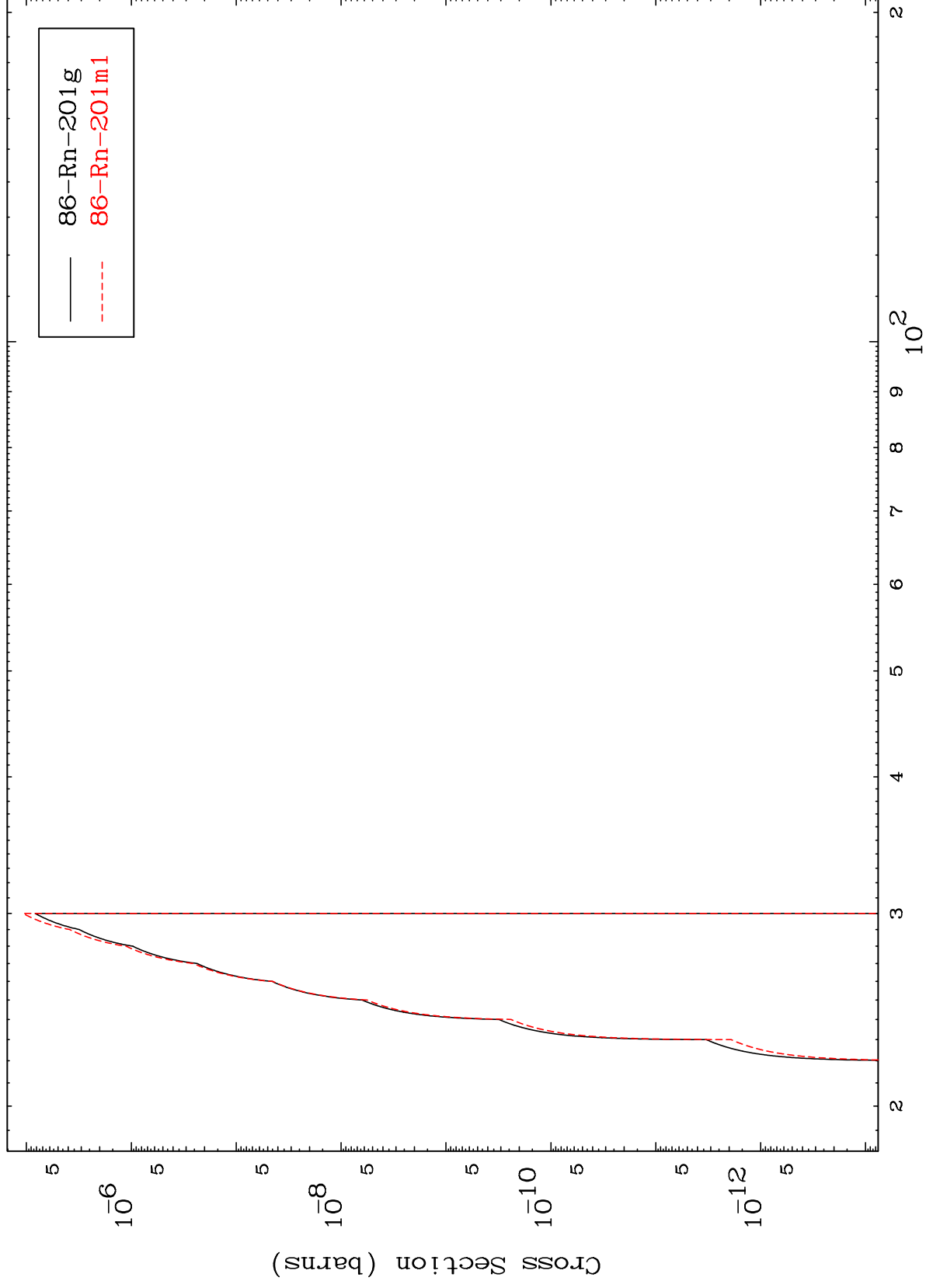
87-Fr-204

108

MAT 8701

87-Fr-204

(n,3n) p
Radionuclide Production Cross Section



109

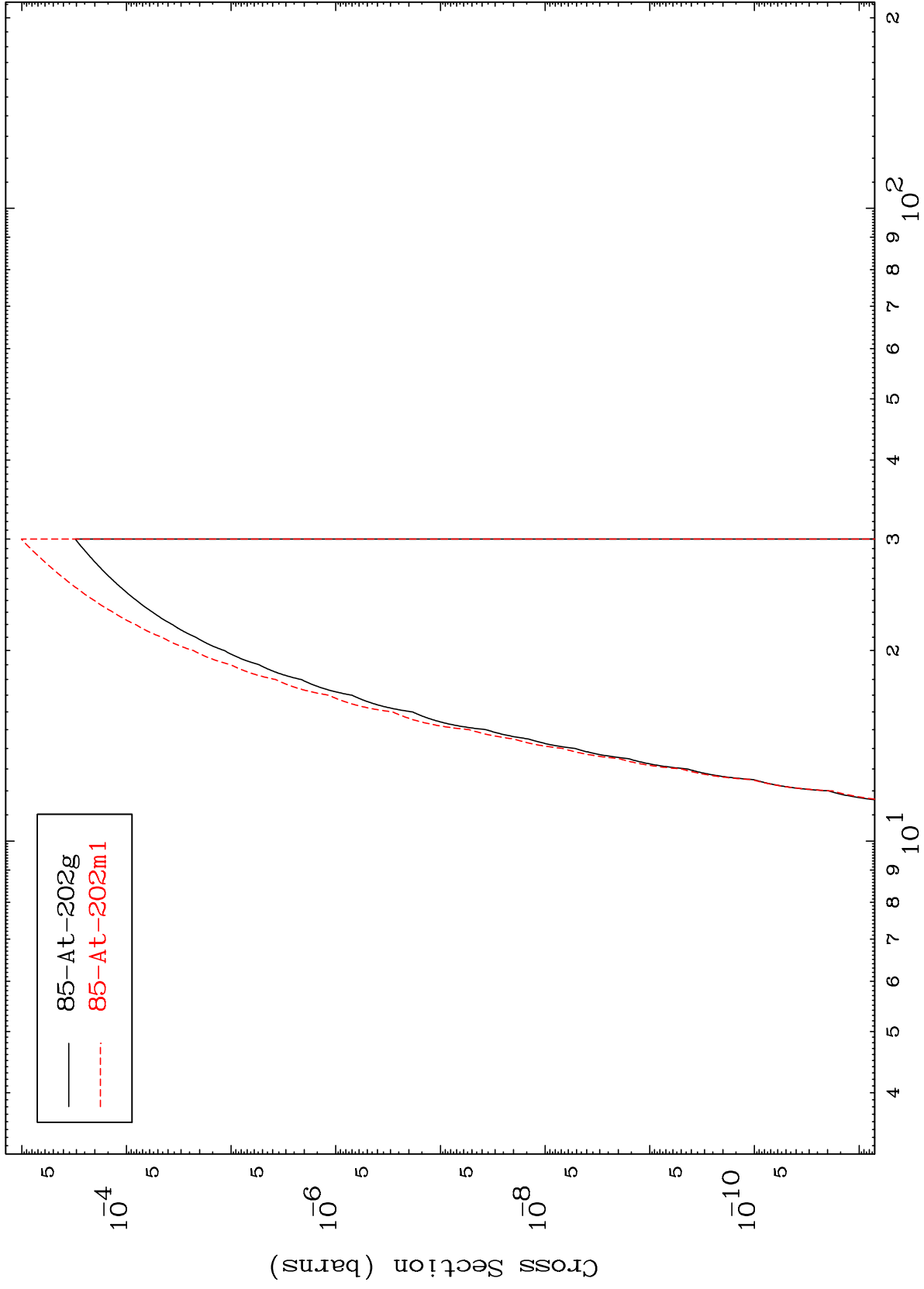
Incident Energy (MeV)

87-Fr-204

MAT 8701

87-Fr-204

(n,2n) p
Radionuclide Production Cross Section



87-Fr-204

Incident Energy (MeV)

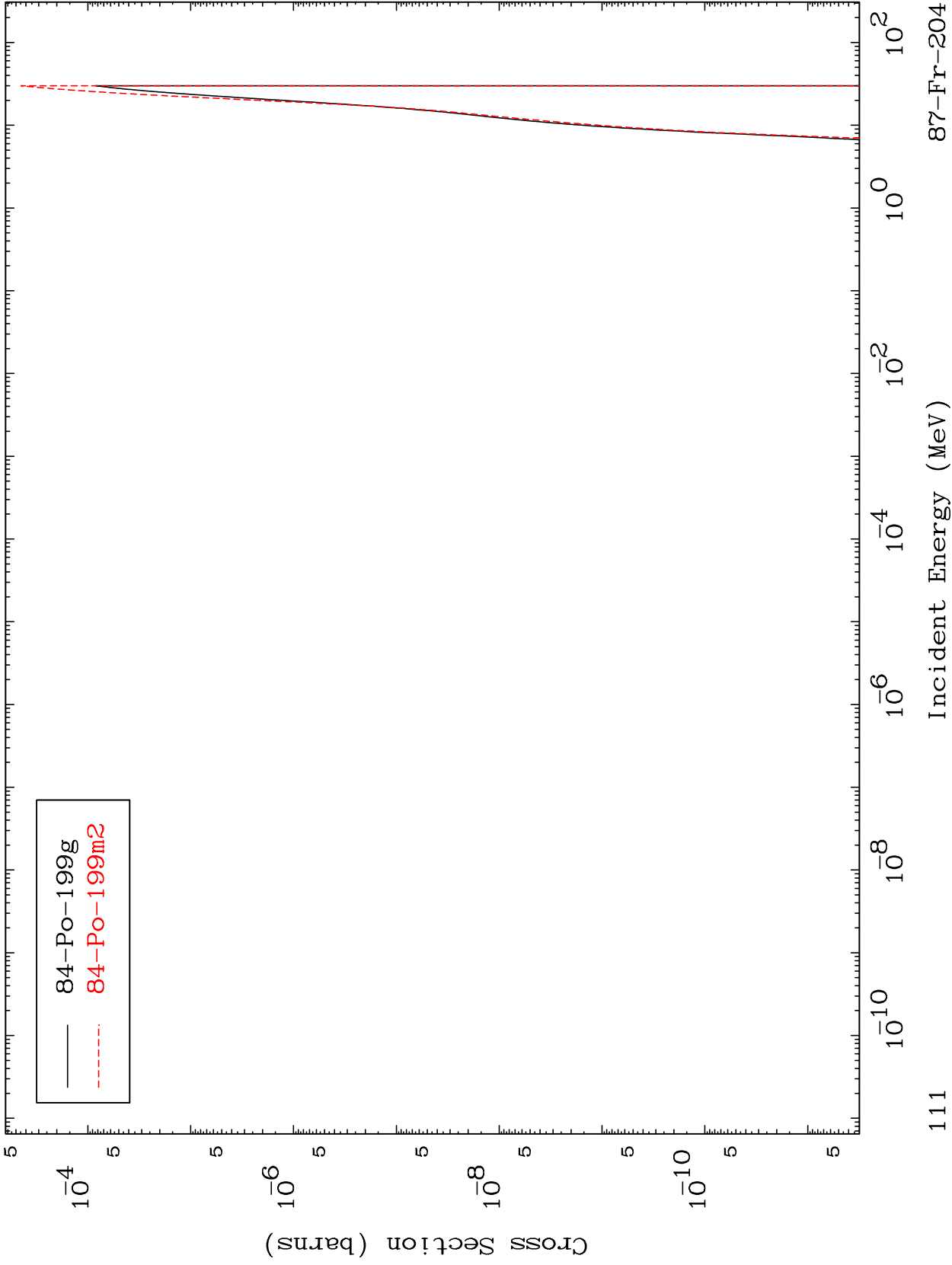
110

MAT 8701

(n,n') p α

87-Fr-204

Radionuclide Production Cross Section

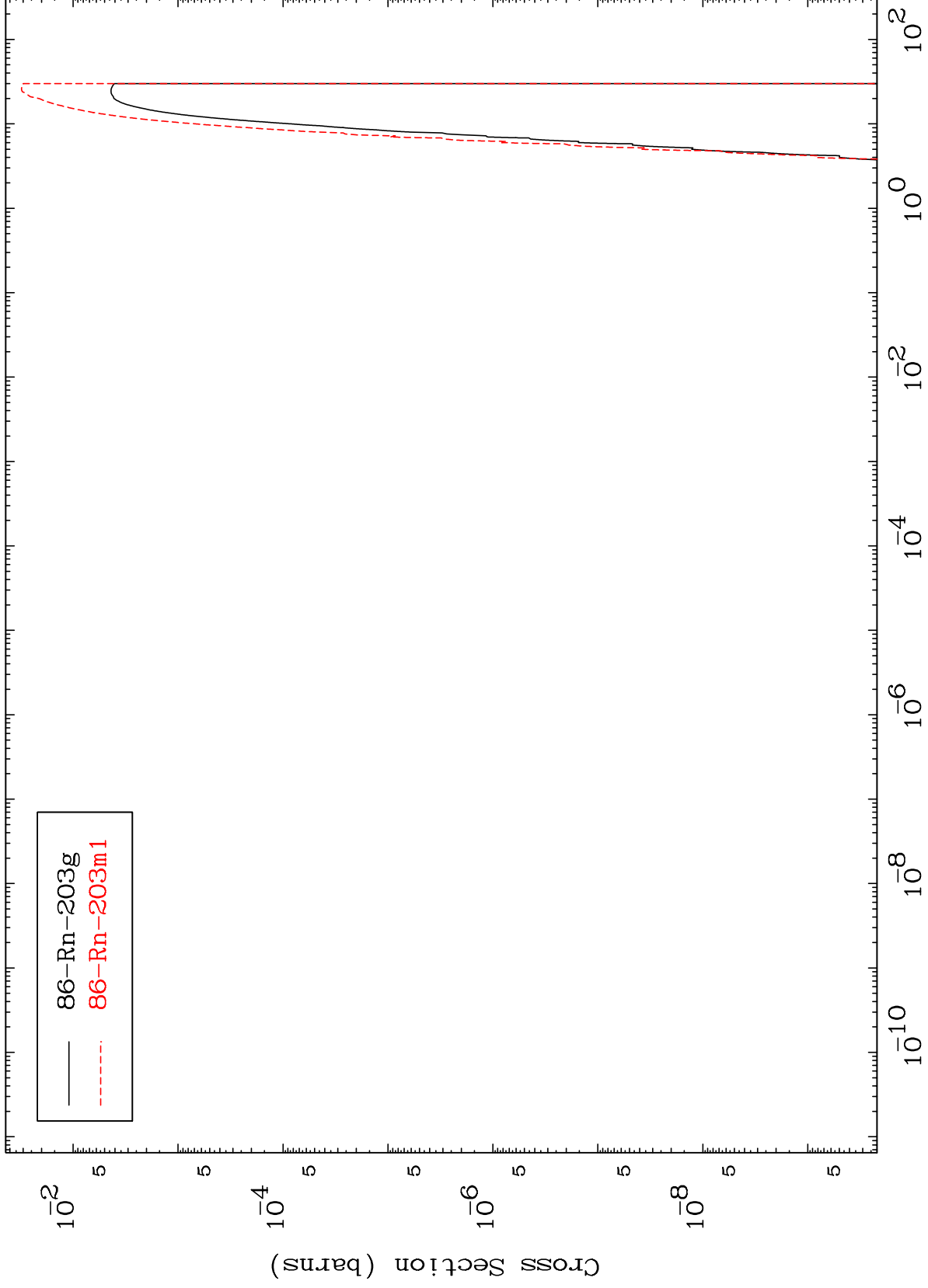
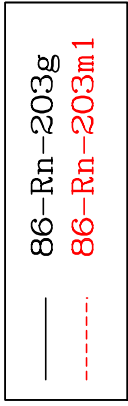


MAT 8701

(n,d)

87-Fr-204

Radionuclide Production Cross Section



112

Incident Energy (MeV)

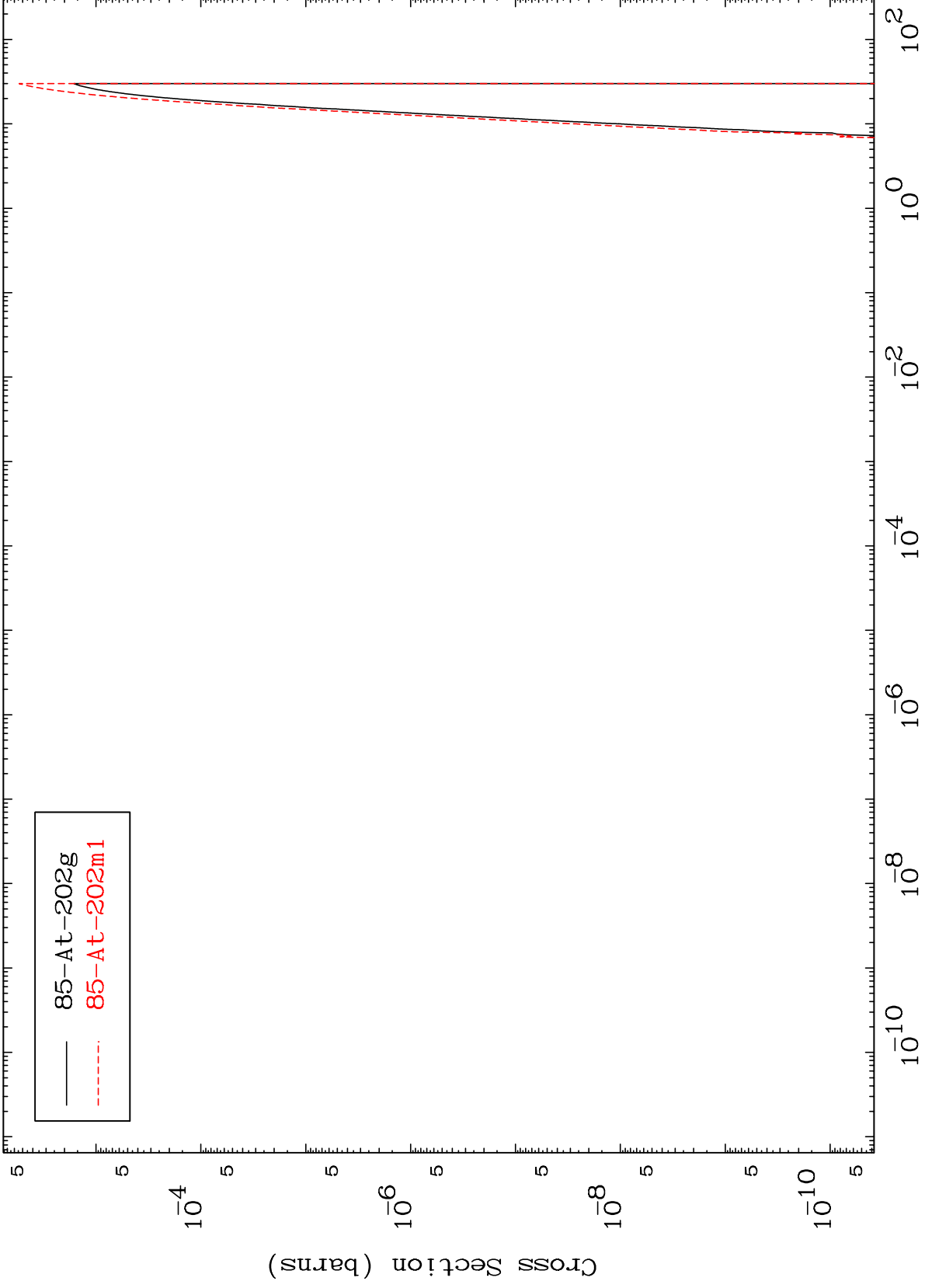
87-Fr-204

MAT 8701

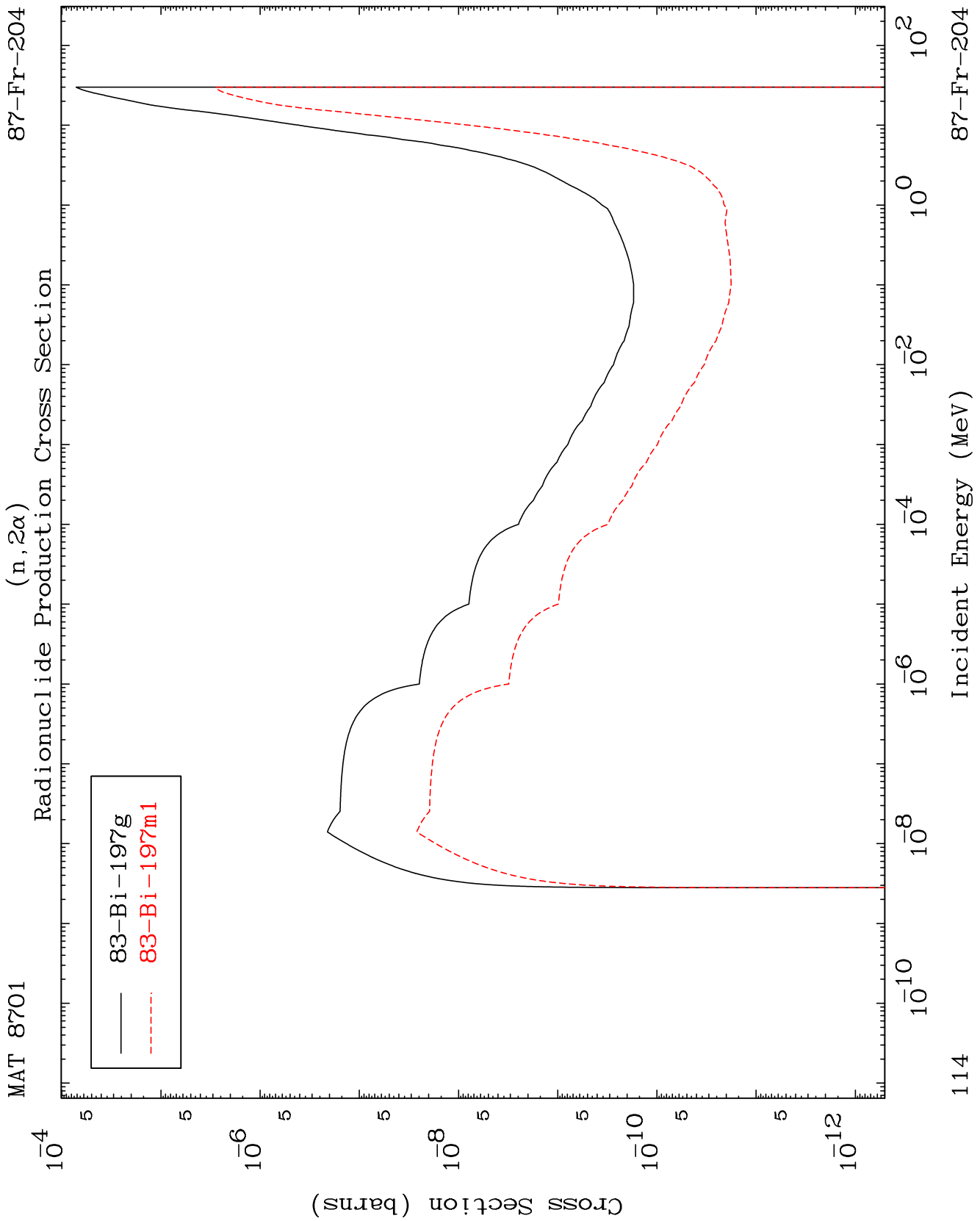
(n,He-3)

87-Fr-204

Radionuclide Production Cross Section



85-At-202g
85-At-202m1

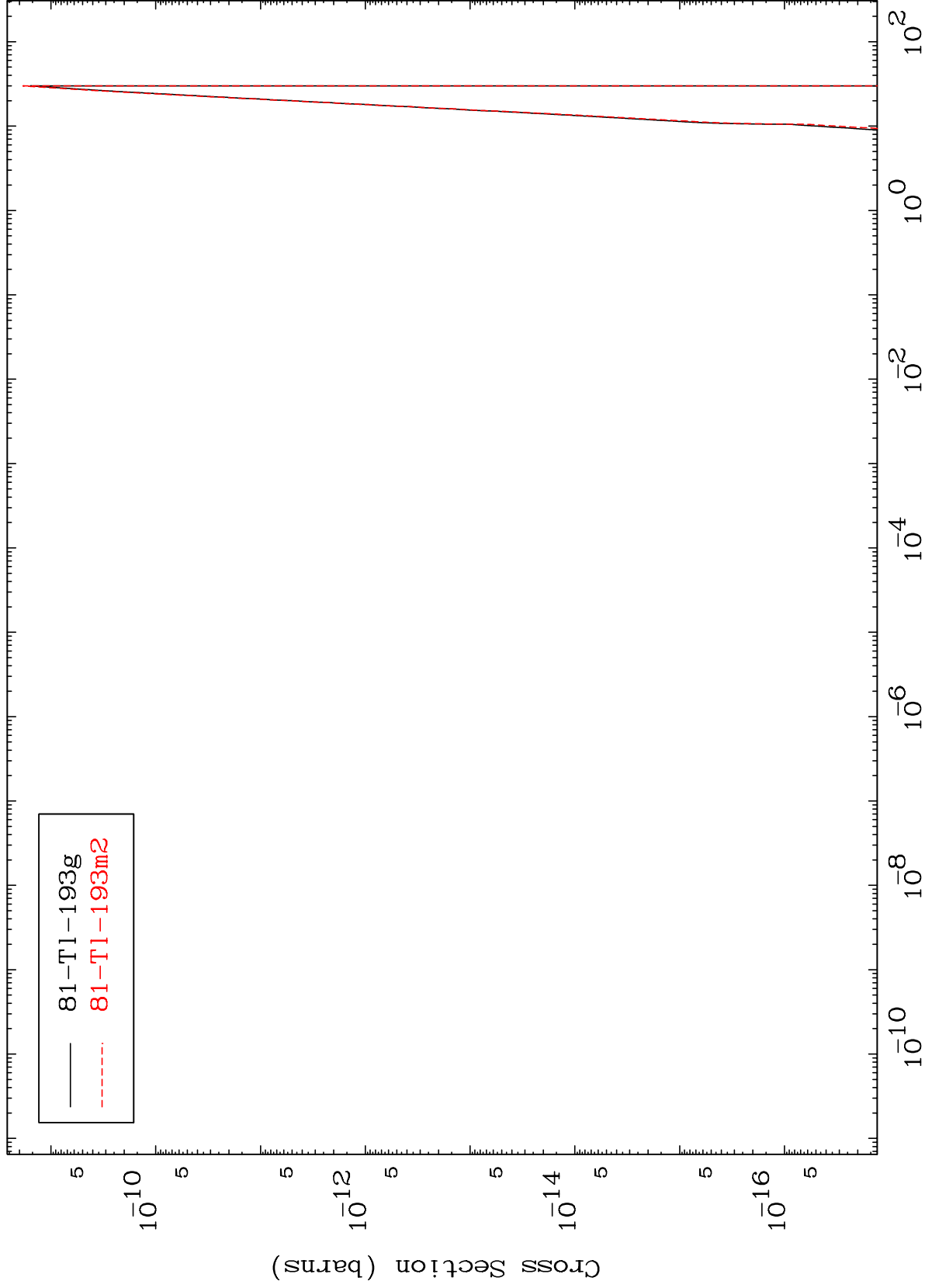


MAT 8701

(n,3 α)

87-Fr-204

Radionuclide Production Cross Section



115

Incident Energy (MeV)

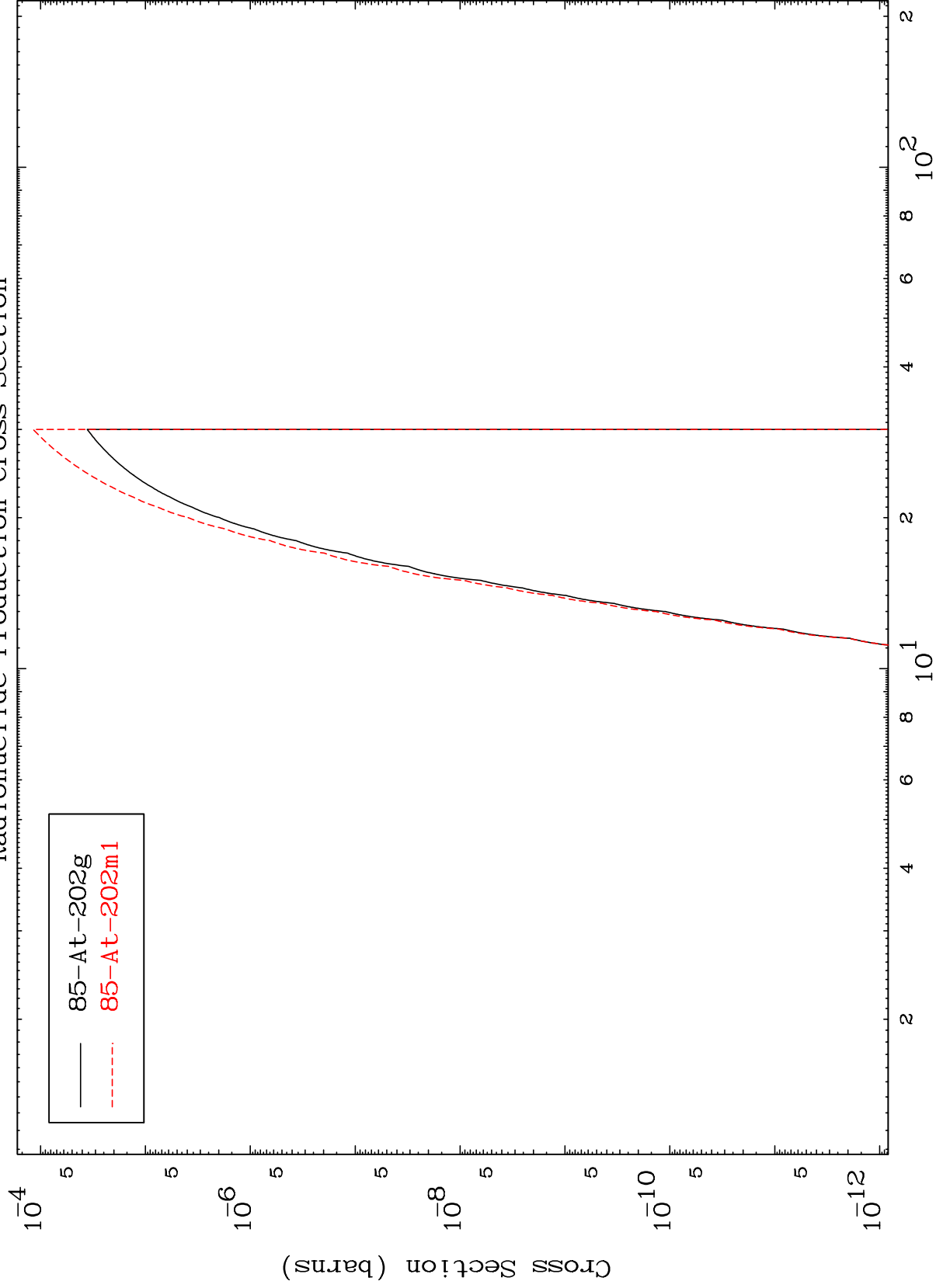
87-Fr-204

MAT 8701

(n,p) d

87-Fr-204

Radionuclide Production Cross Section



116

Incident Energy (MeV)

87-Fr-204

MAT 8701

(n,d) α

87-Fr-204

Radionuclide Production Cross Section

