

Program EVALPLOT
(Version 2017-1)

by

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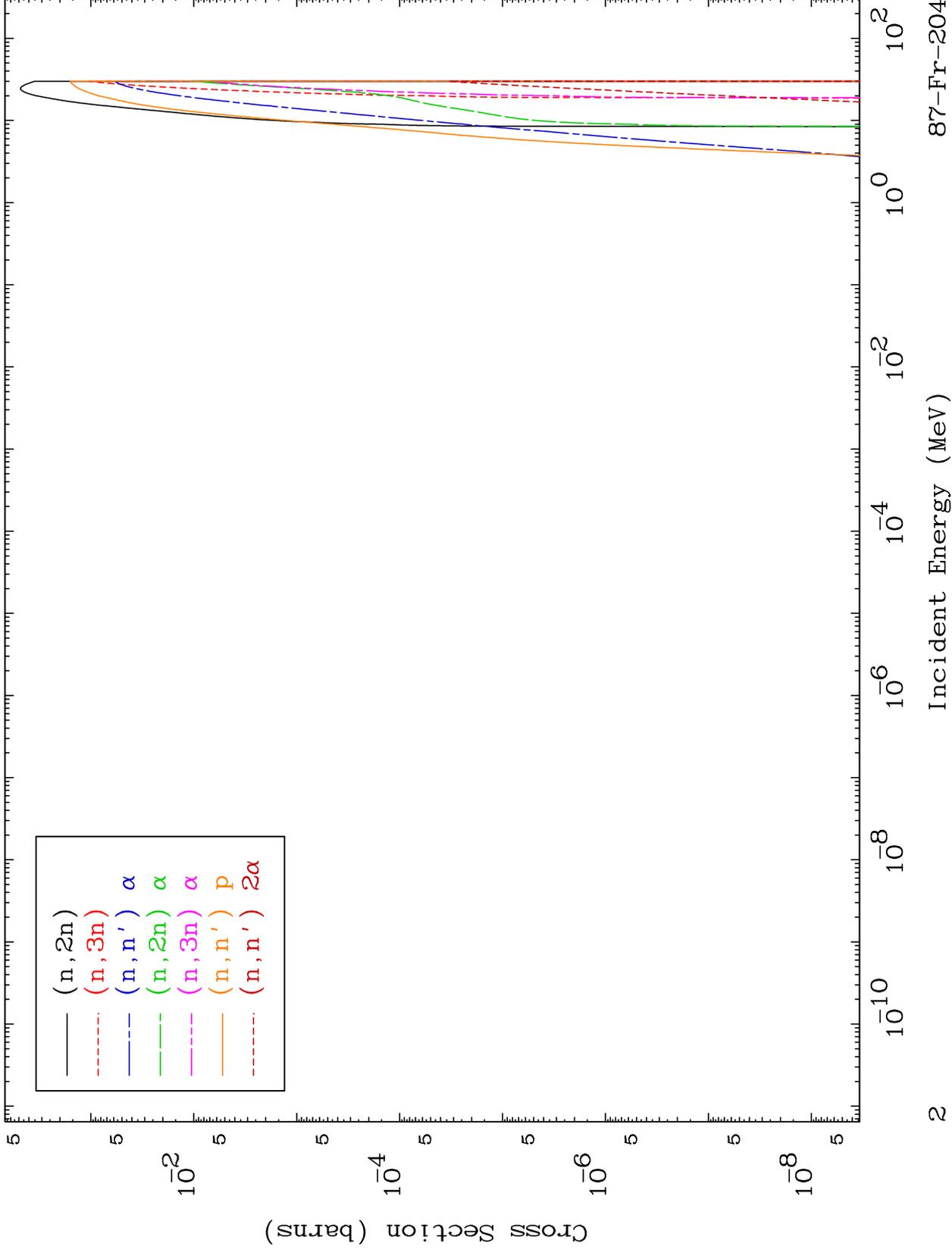
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Press Mouse Button to Start

MAT 8701

Neutron Production
293 Kelvin Cross Sections

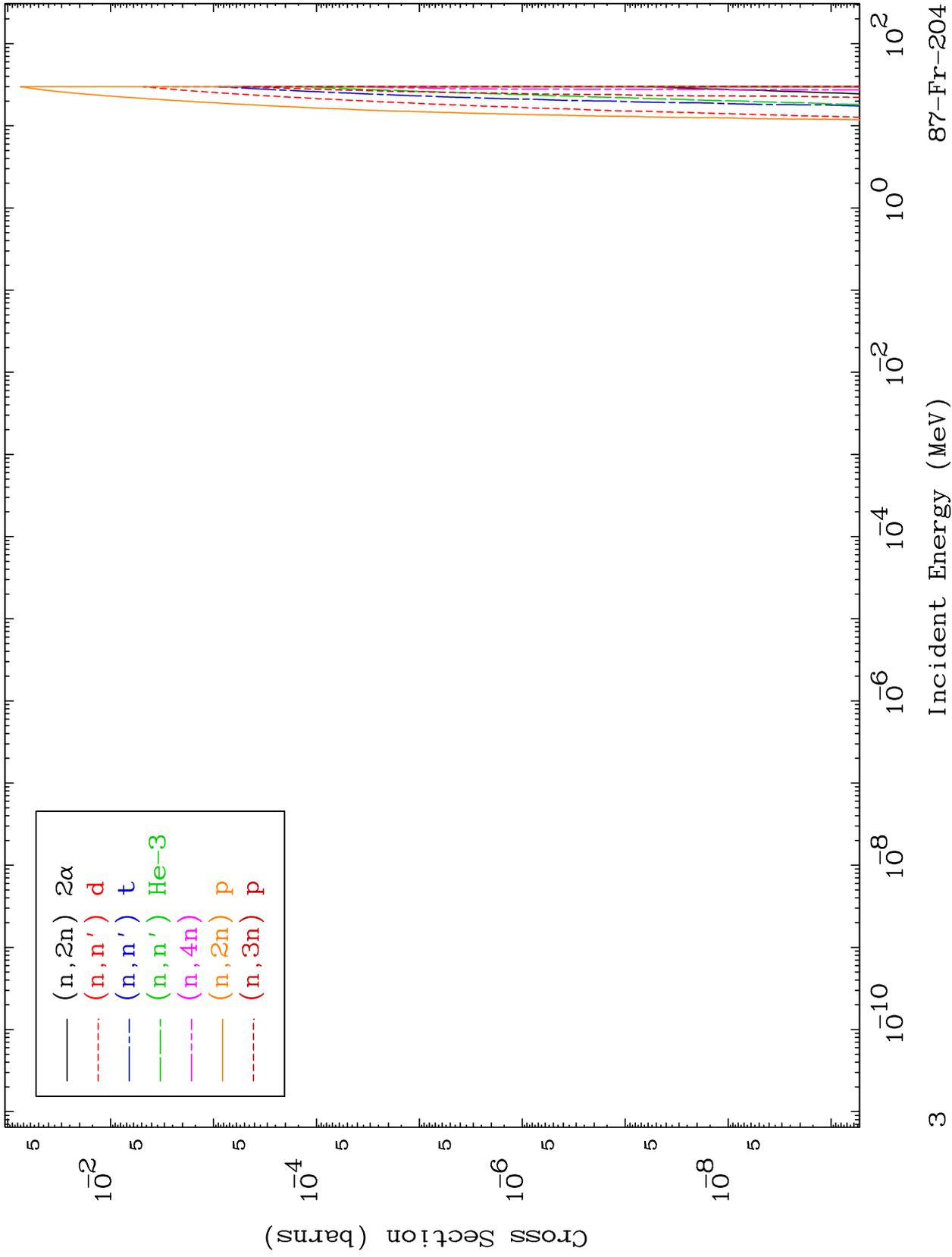
87-Fr-204



MAT 8701

Neutron Production
293 Kelvin Cross Sections

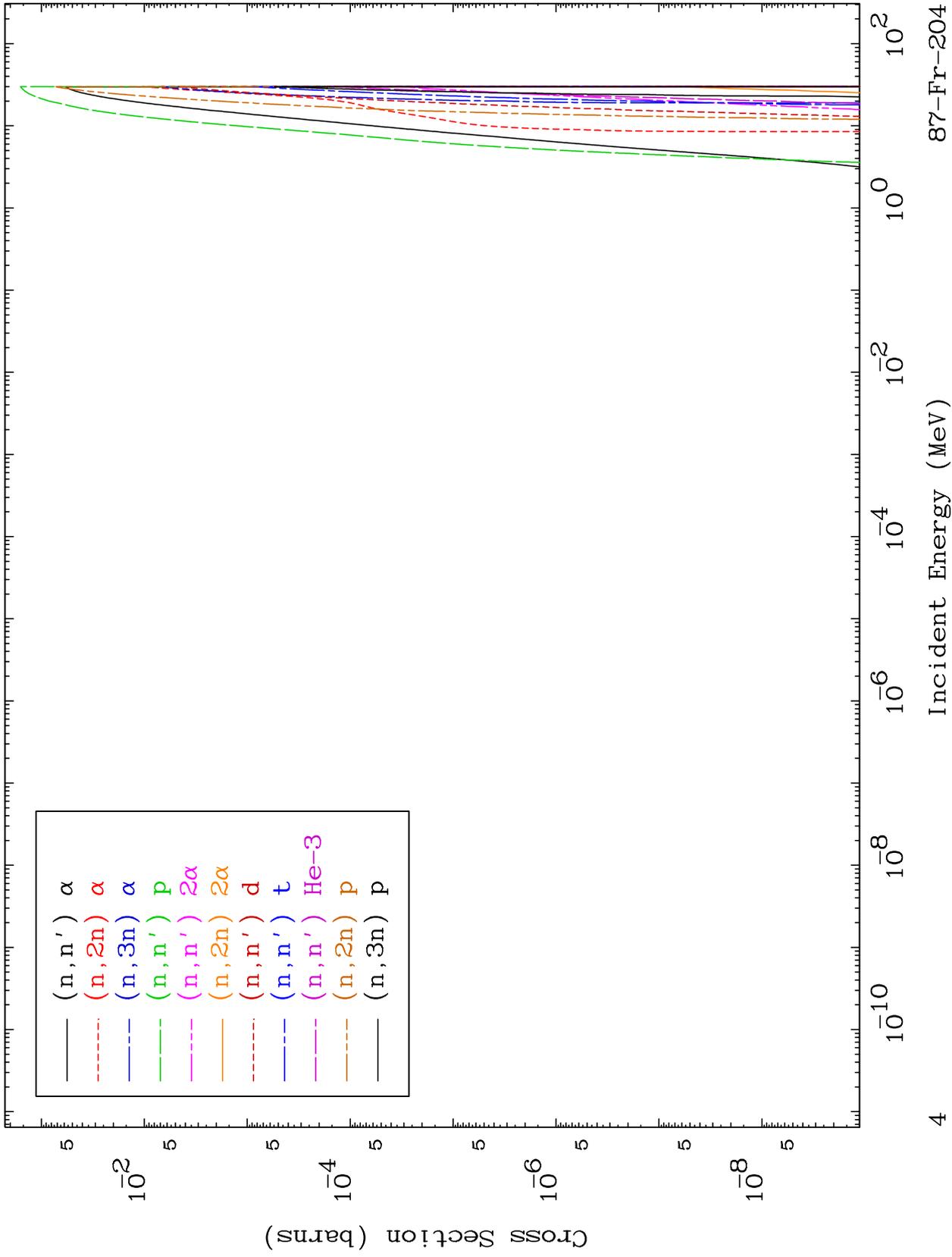
87-Fr-204



MAT 8701

Charged Particle
293 Kelvin Cross Sections

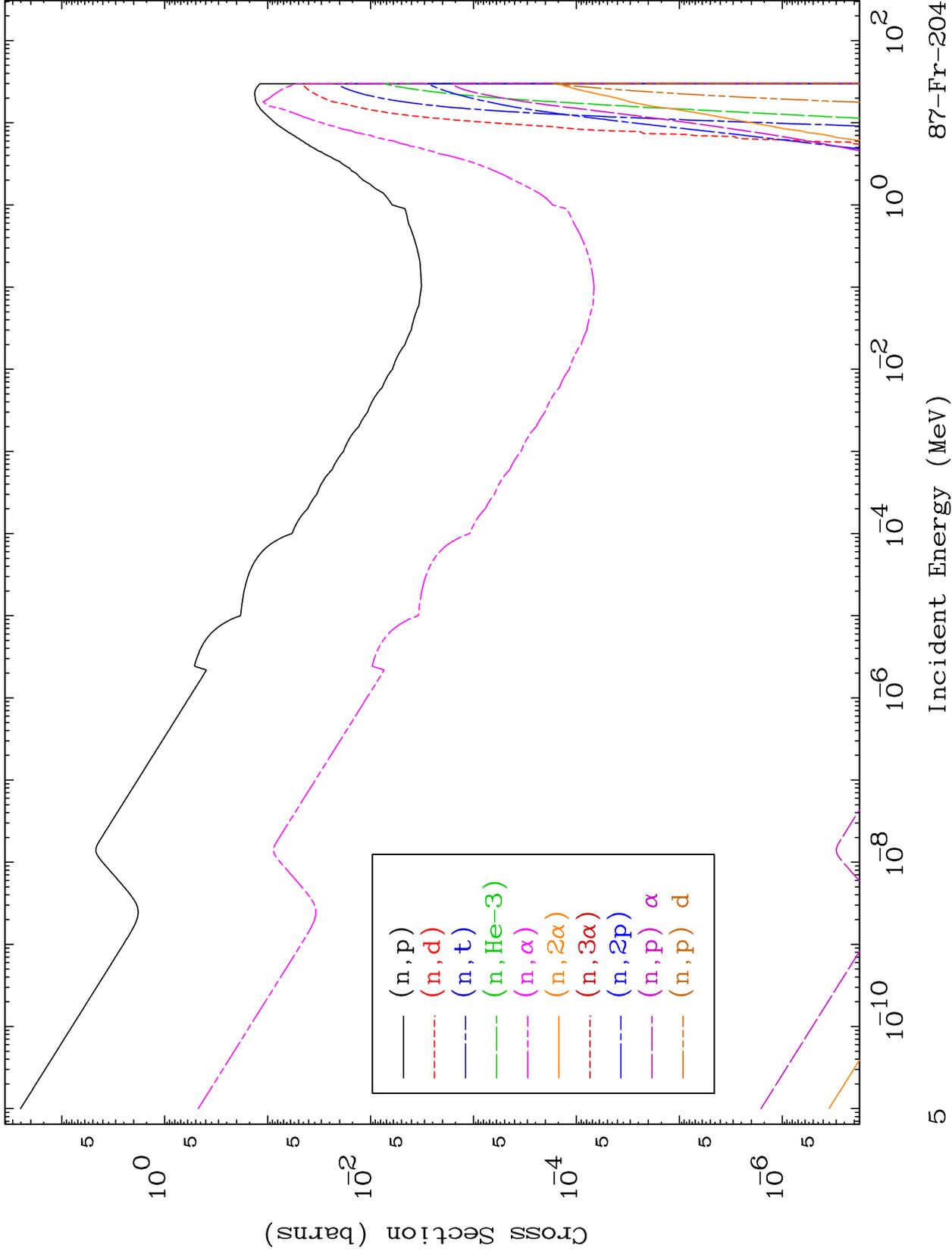
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MAT 8701

Charged Particle
293 Kelvin Cross Sections

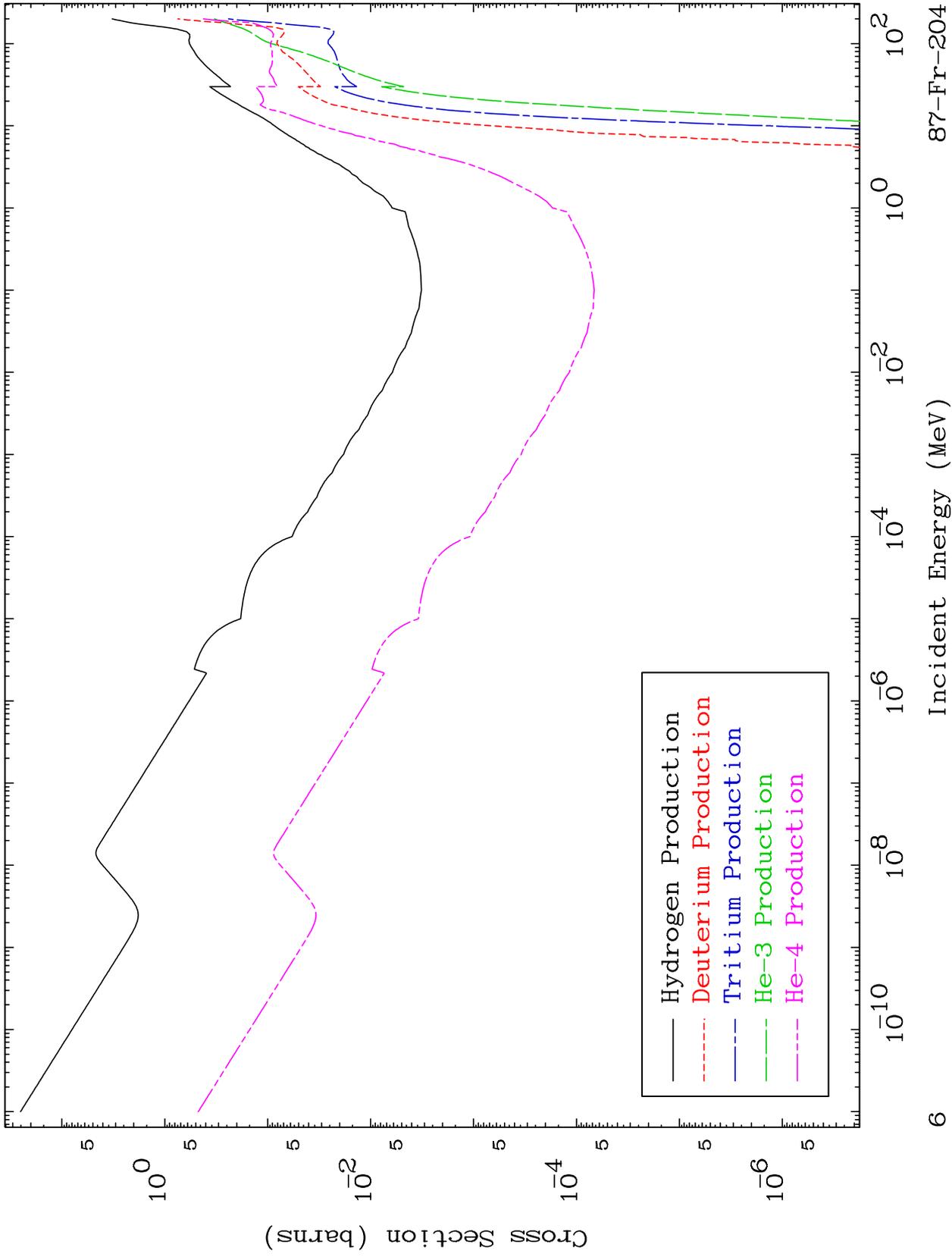
87-Fr-204



MAT 8701

Particle Production
293 Kelvin Cross Sections

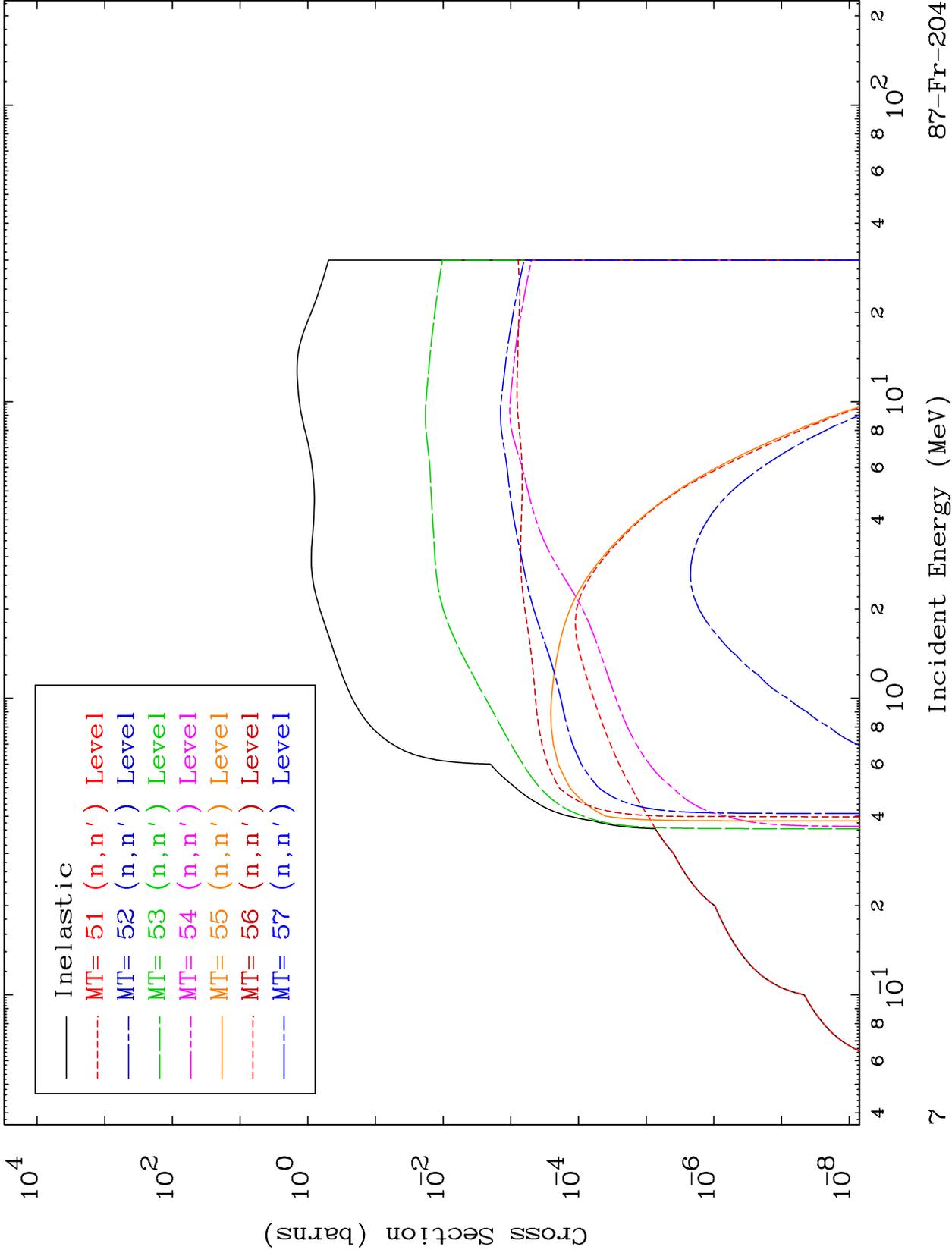
87-Fr-204



MAT 8701

(n,n') Level
293 Kelvin Cross Sections

87-Fr-204

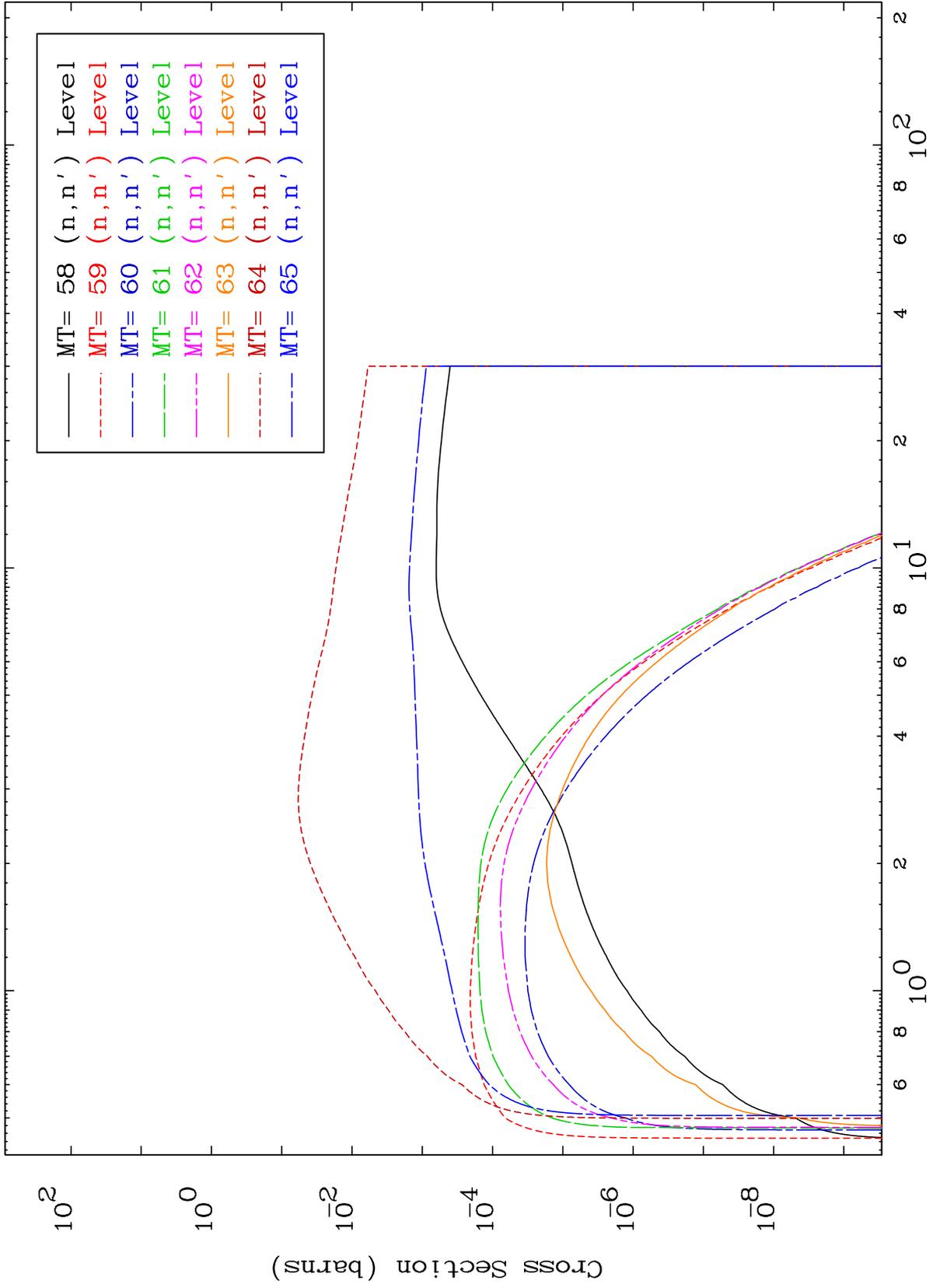


MAT 8701

(n,n') Level

293 Kelvin Cross Sections

87-Fr-204



8

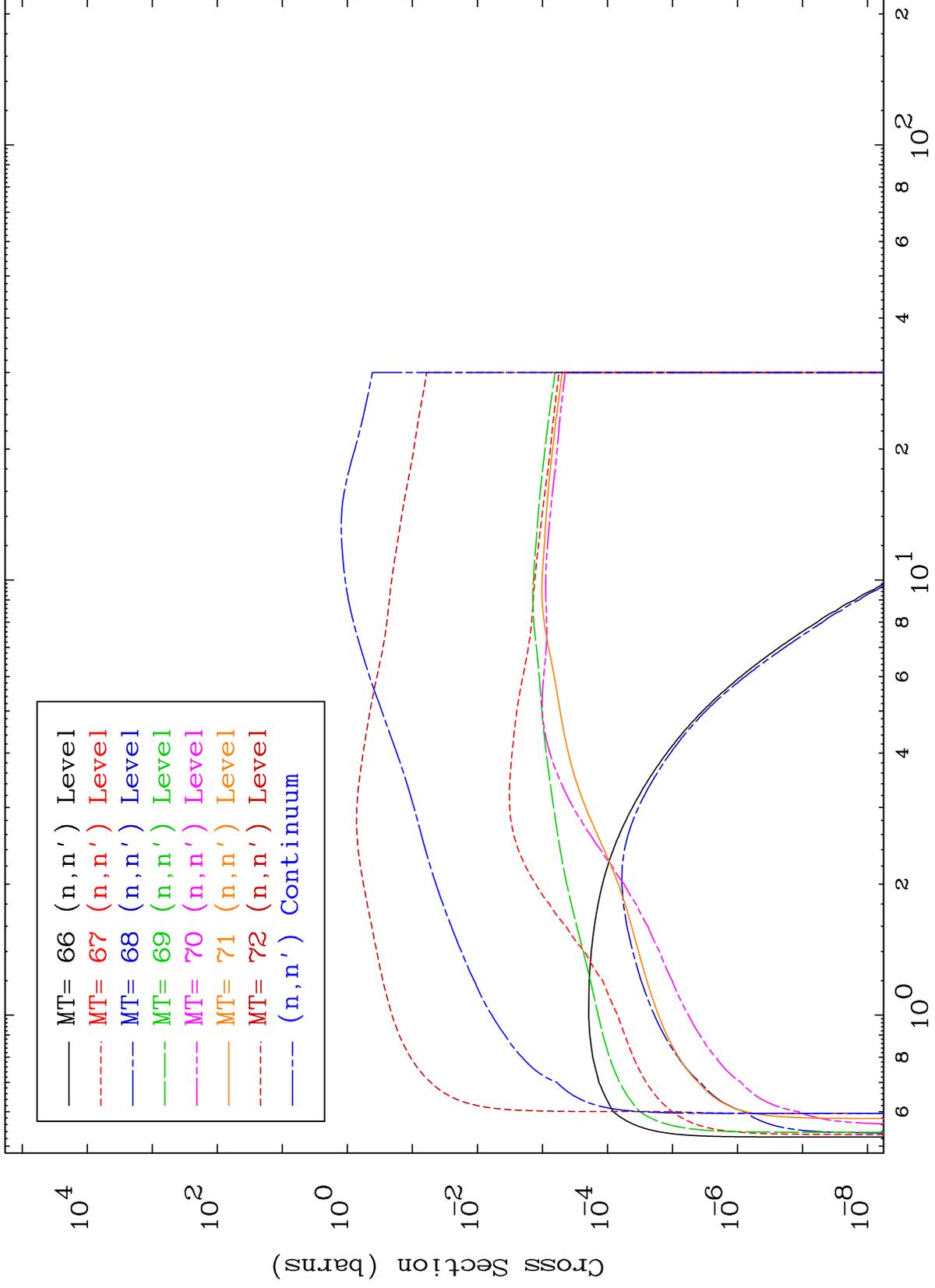
Incident Energy (MeV)

87-Fr-204

MAT 8701

293 (n,n') Level
Kelvin Cross Sections

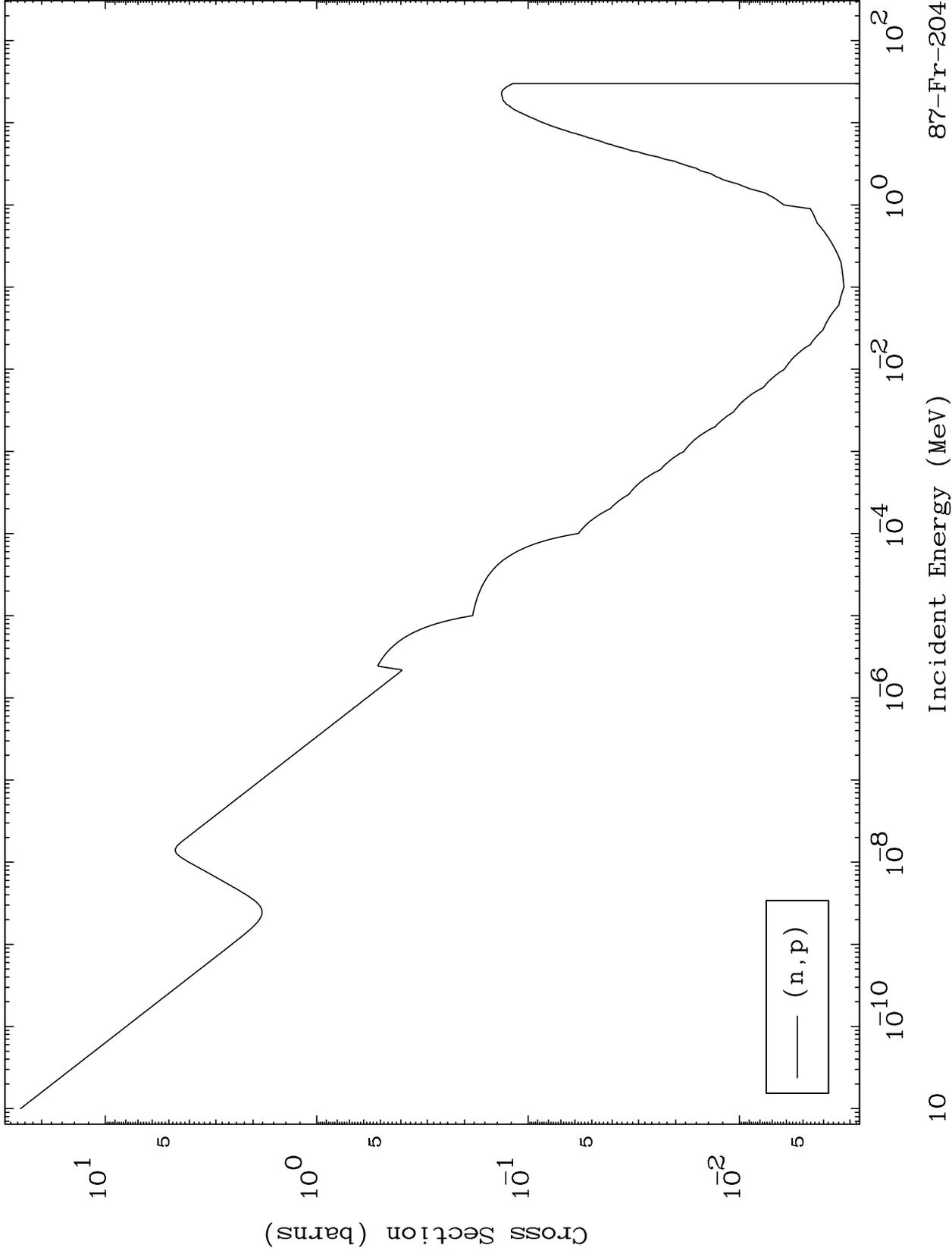
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MAT 8701

(n,p) Levels
293 Kelvin Cross Sections

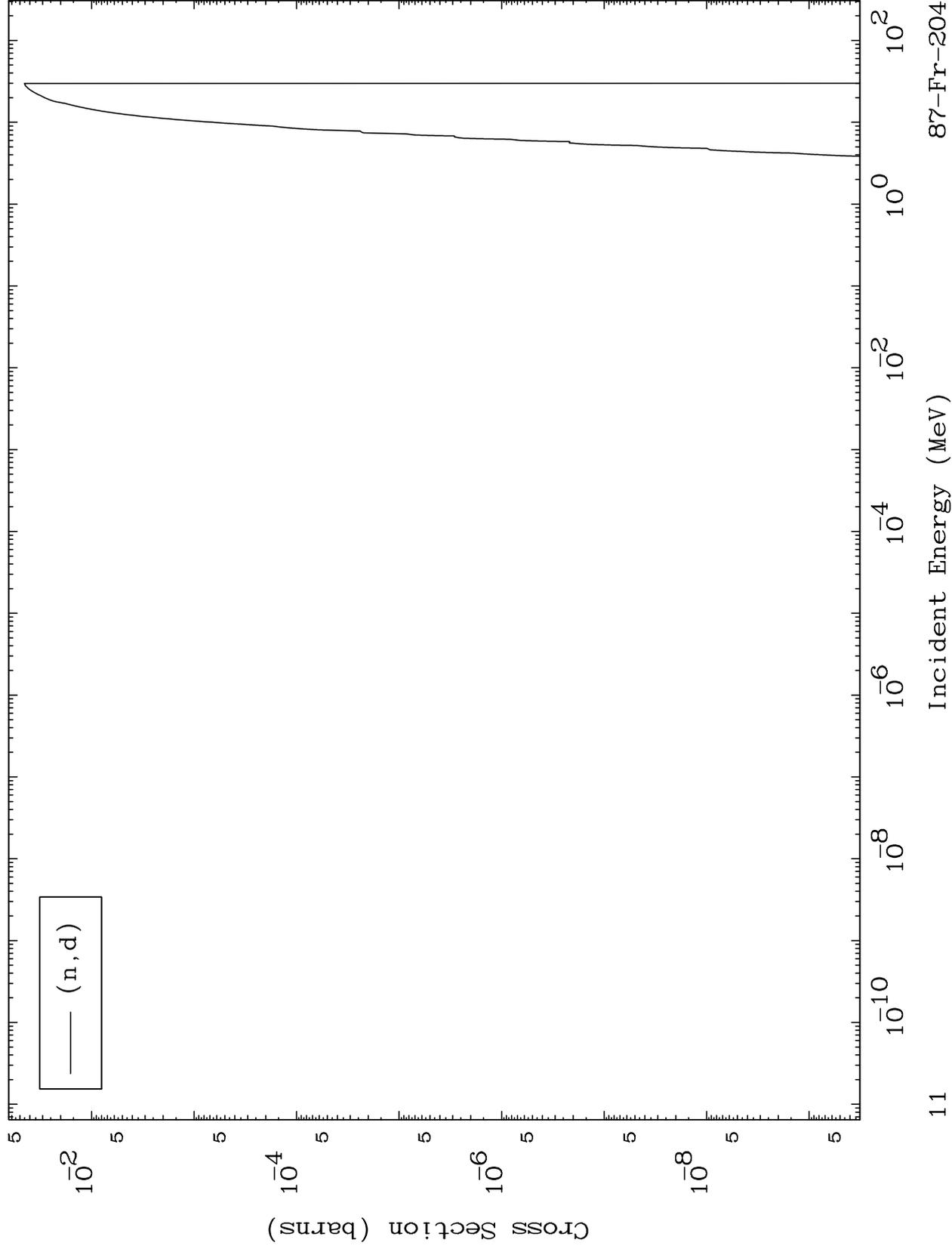
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MAT 8701

(n,d) Levels
293 Kelvin Cross Sections

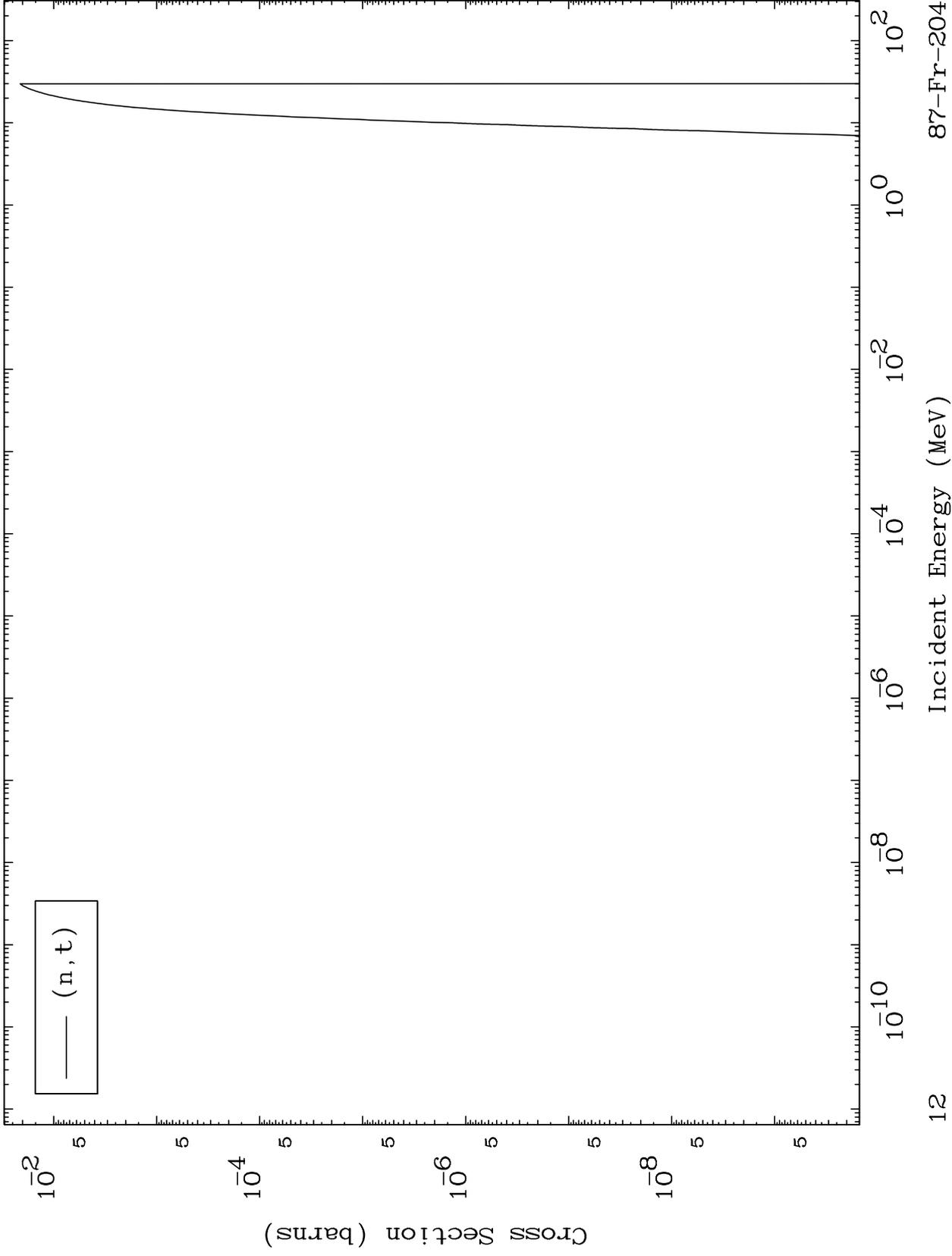
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MAT 8701

(n,t) Levels
293 Kelvin Cross Sections

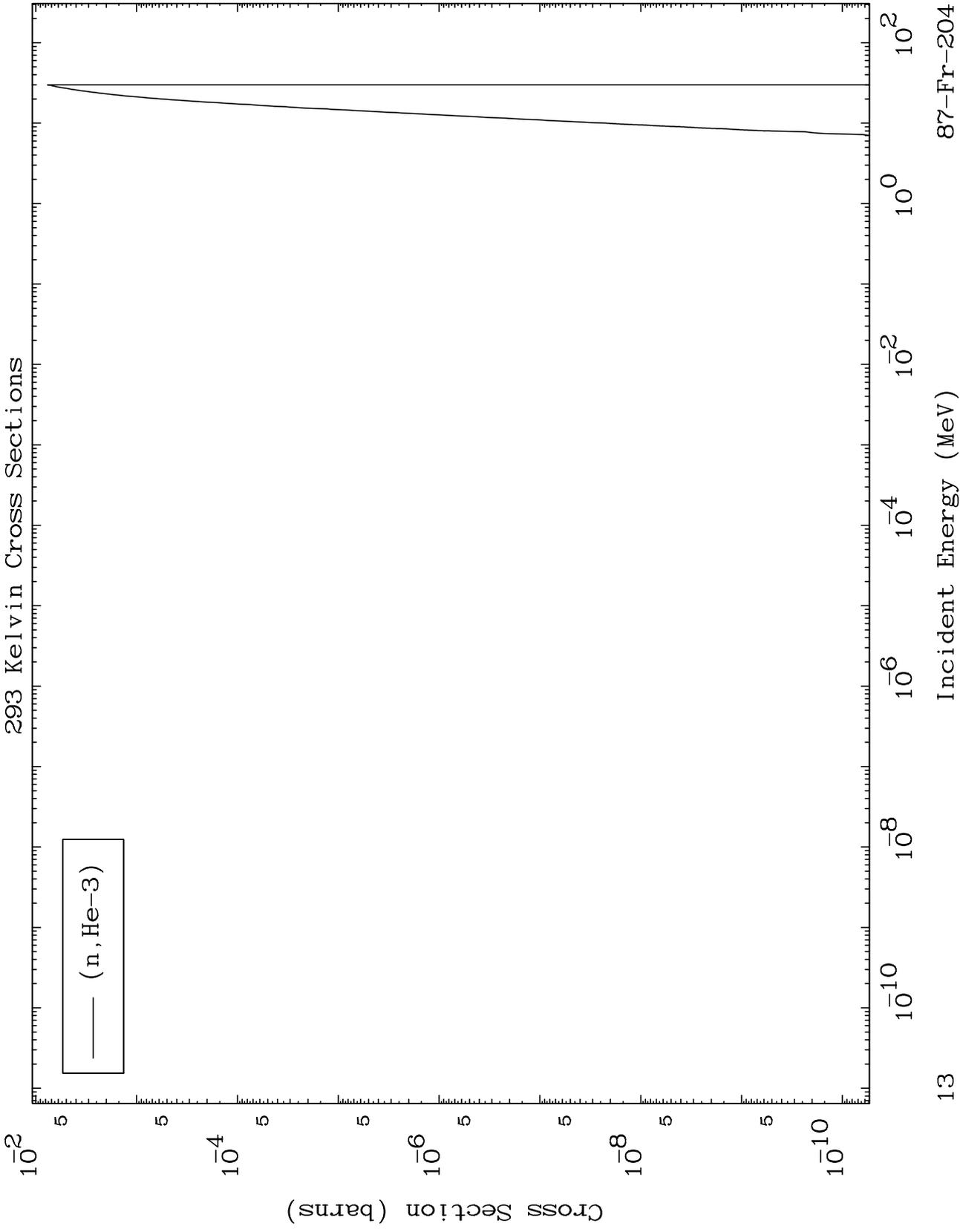
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MAT 8701

(n,He3) Levels
293 Kelvin Cross Sections

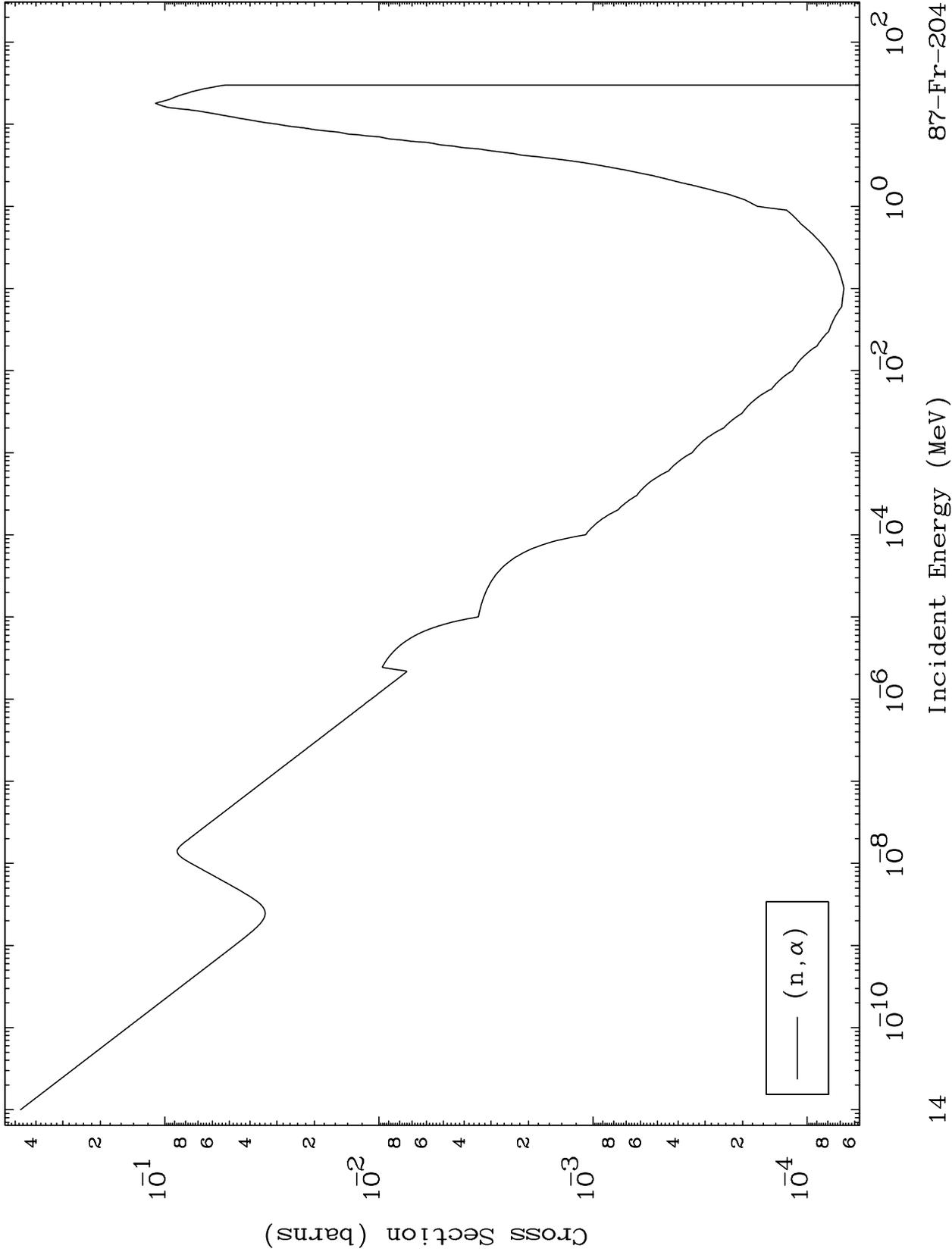
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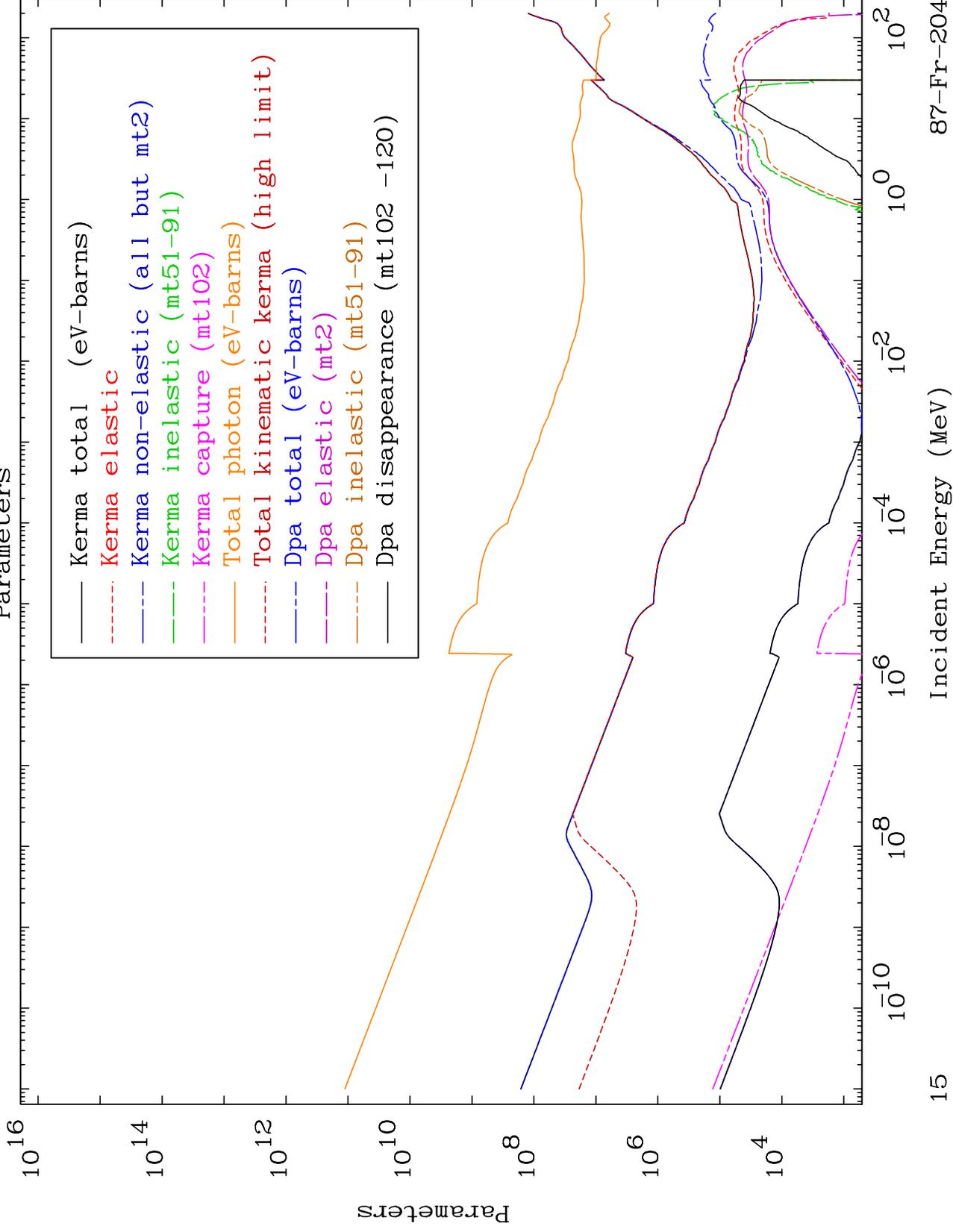


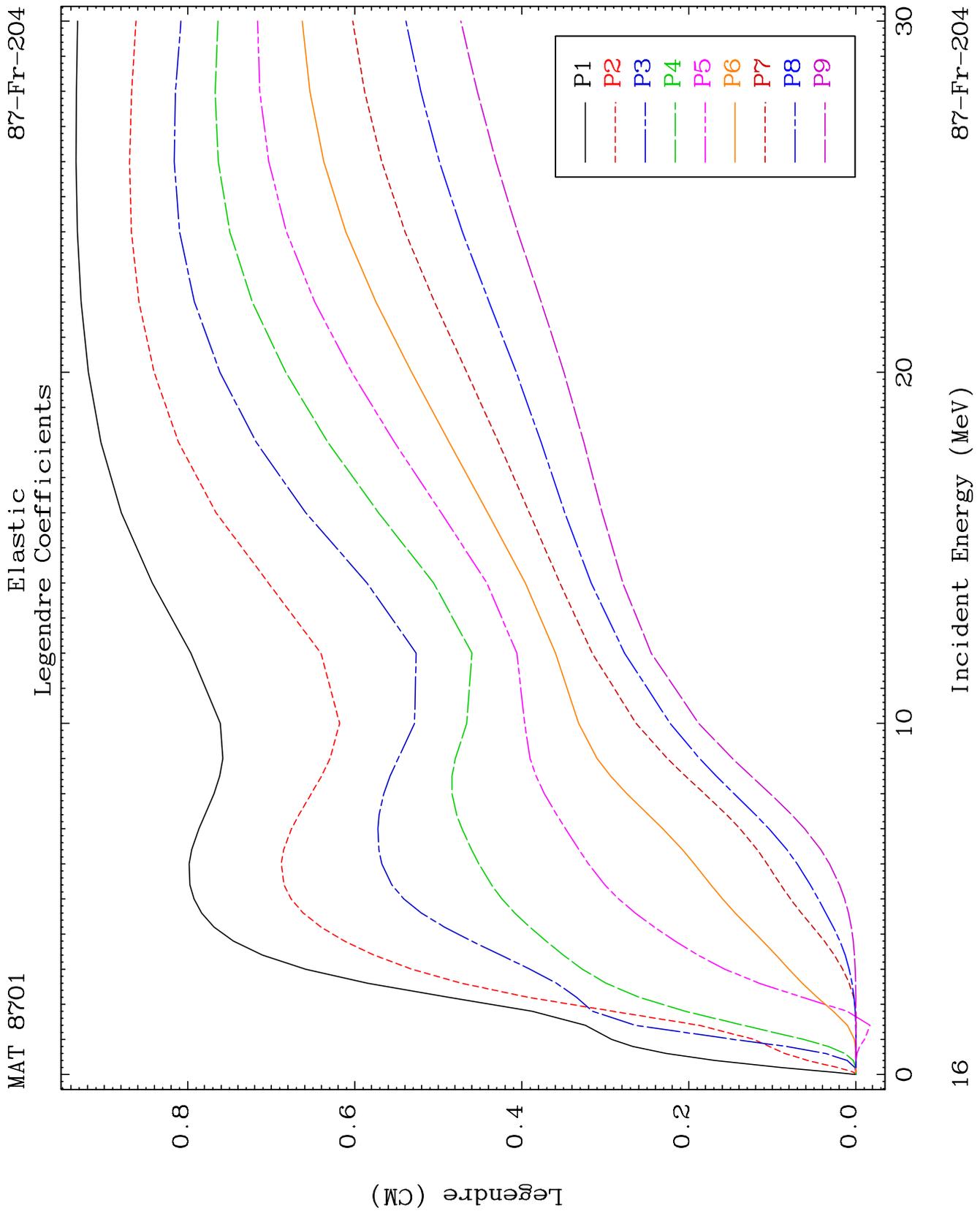
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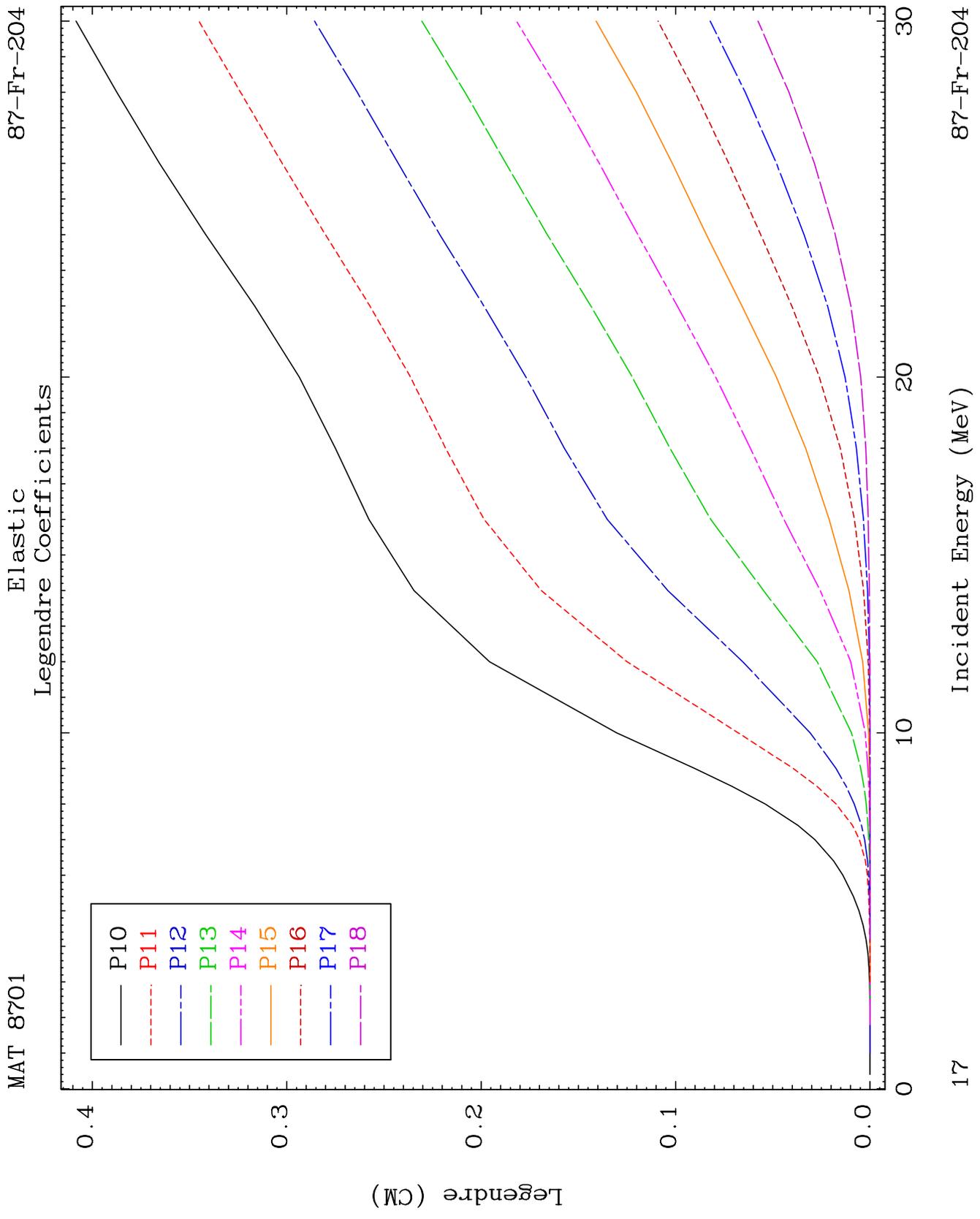
(n,α) Levels
293 Kelvin Cross Sections

87-Fr-204





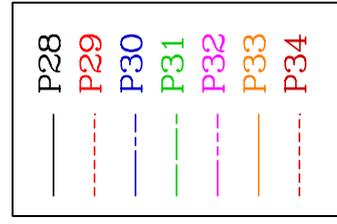




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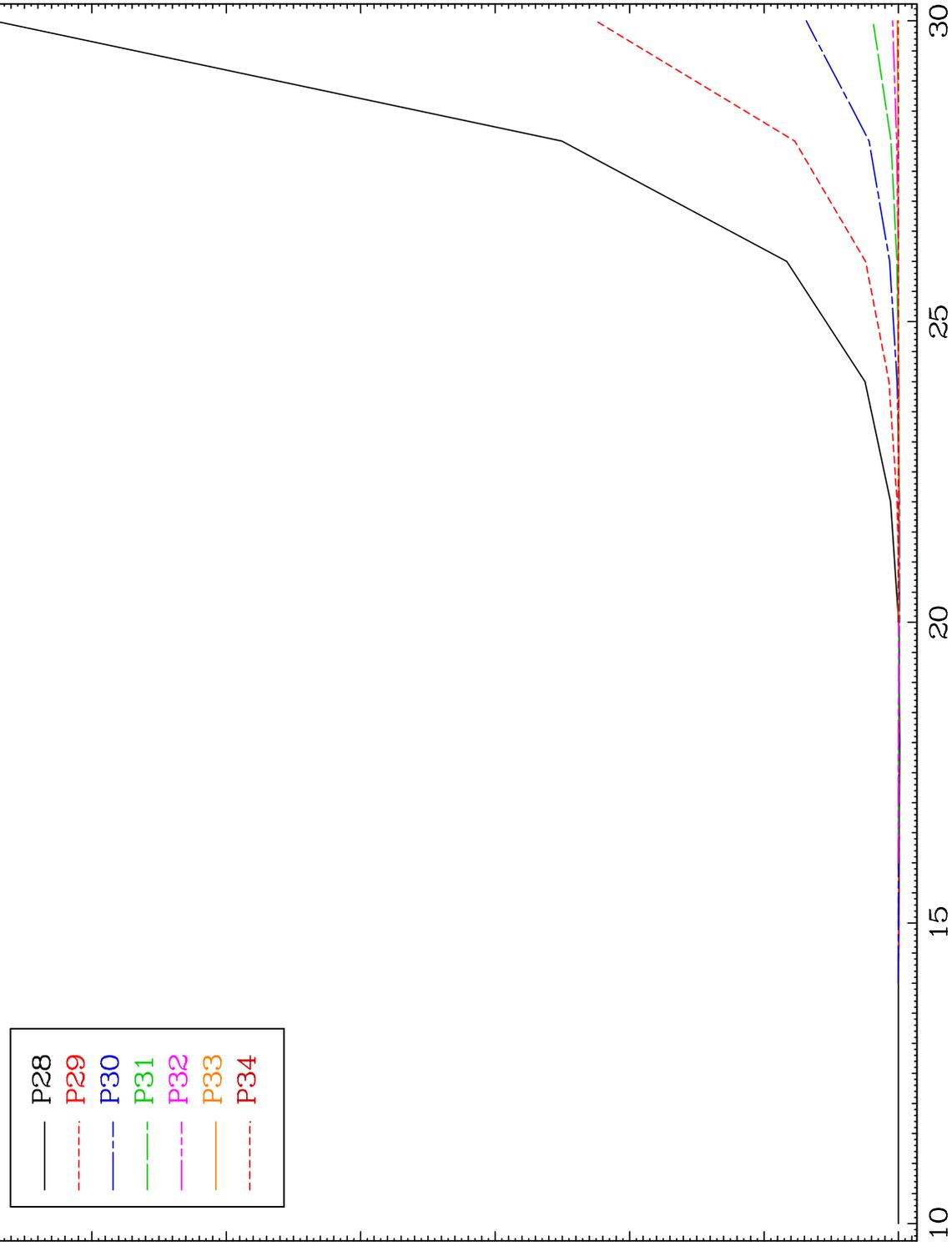
Elastic
Legendre Coefficients

87-Fr-204



$\times 10^{-5}$

Legendre (CM)



10

Incident Energy (MeV)

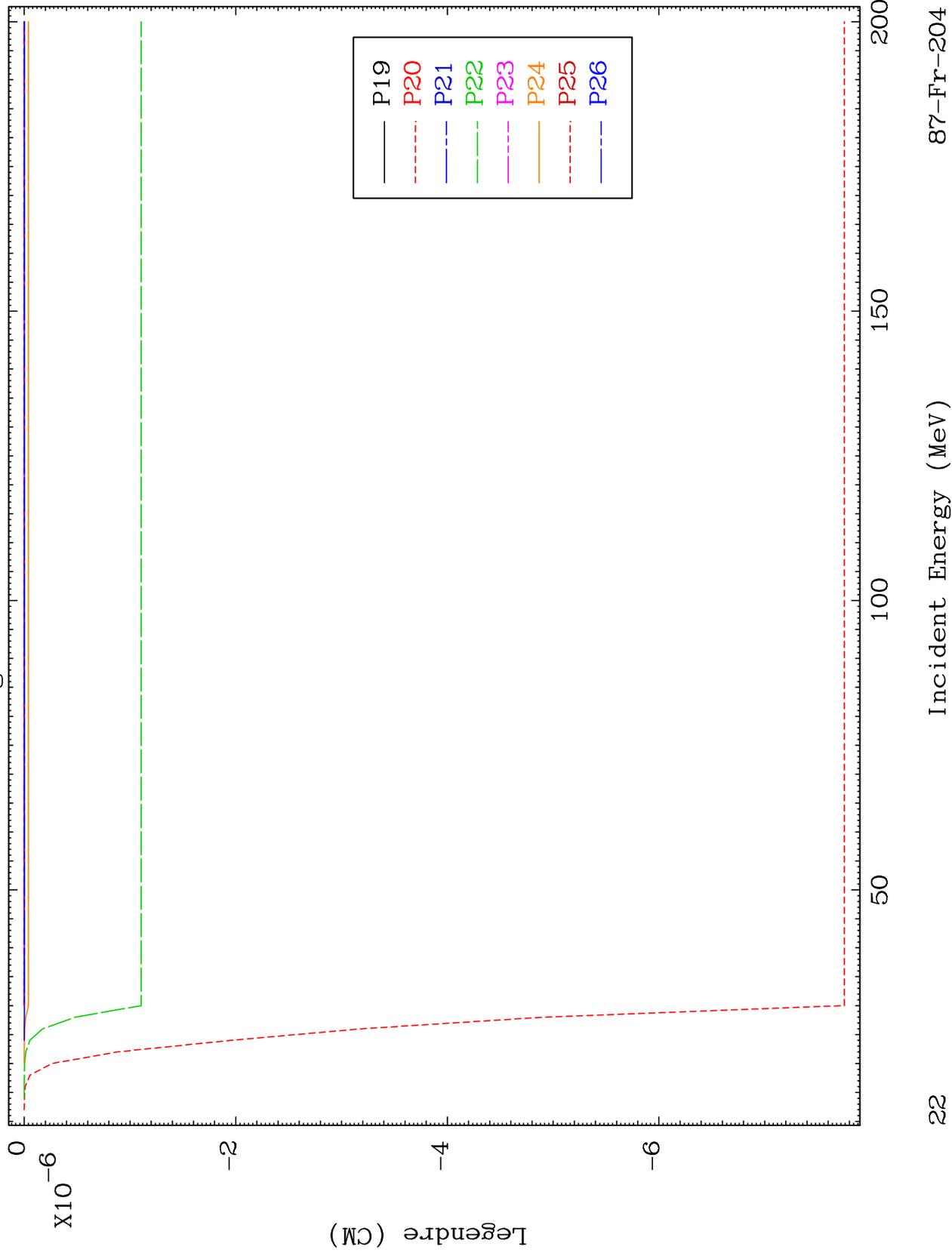
87-Fr-204

30

MAT 8701

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

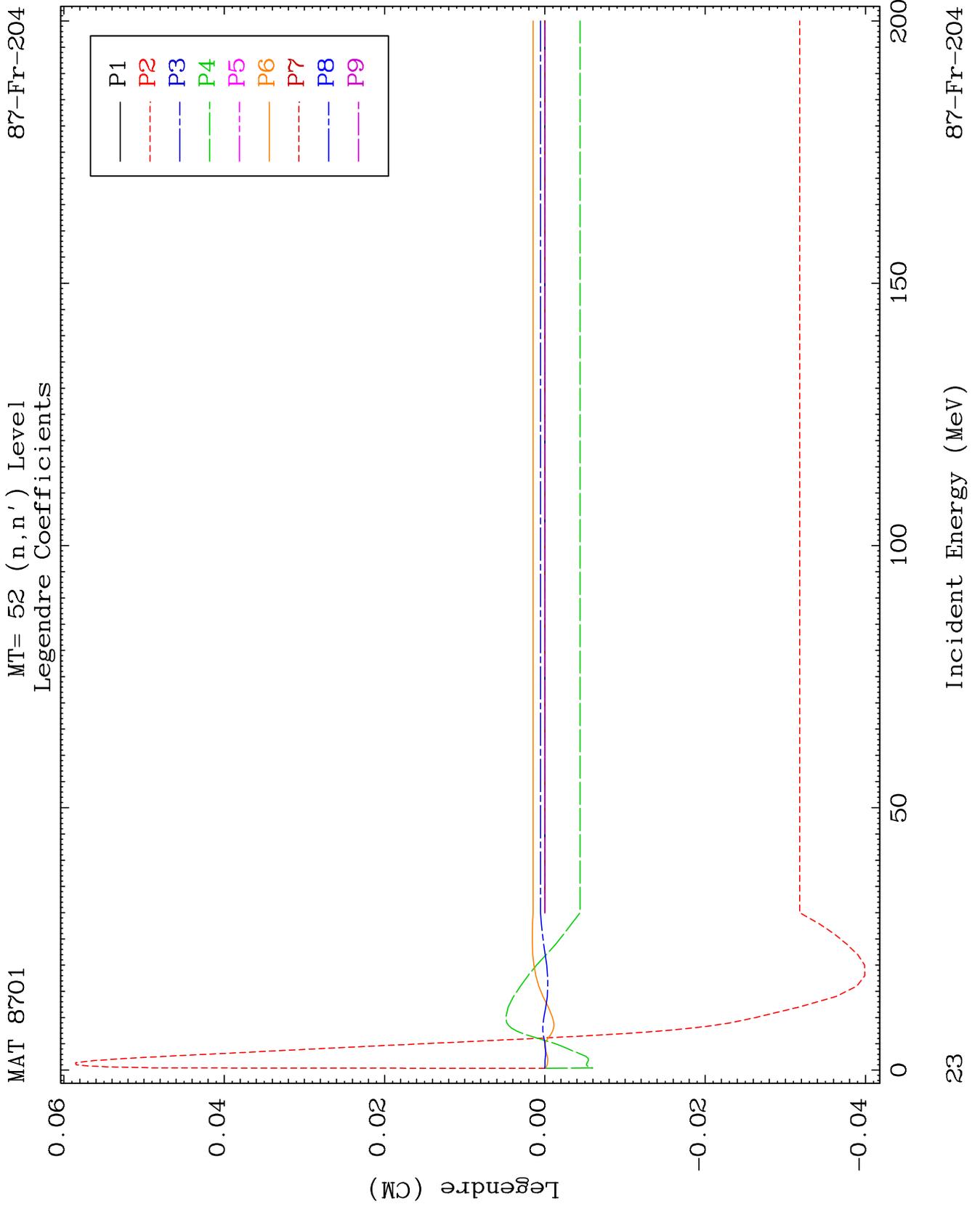
87-Fr-204



22

Incident Energy (MeV)

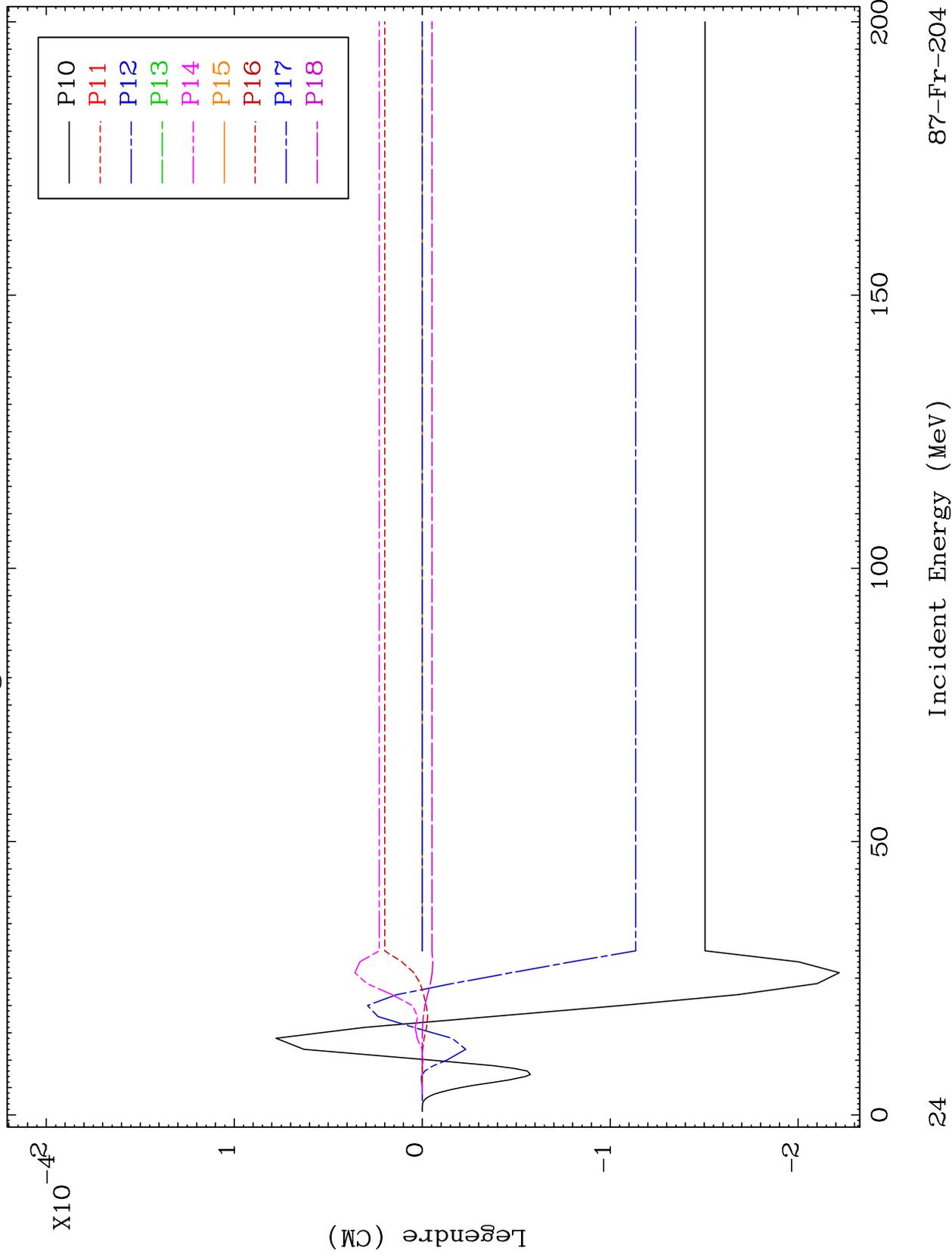
87-Fr-204



MAT 8701

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

87-Fr-204



87-Fr-204

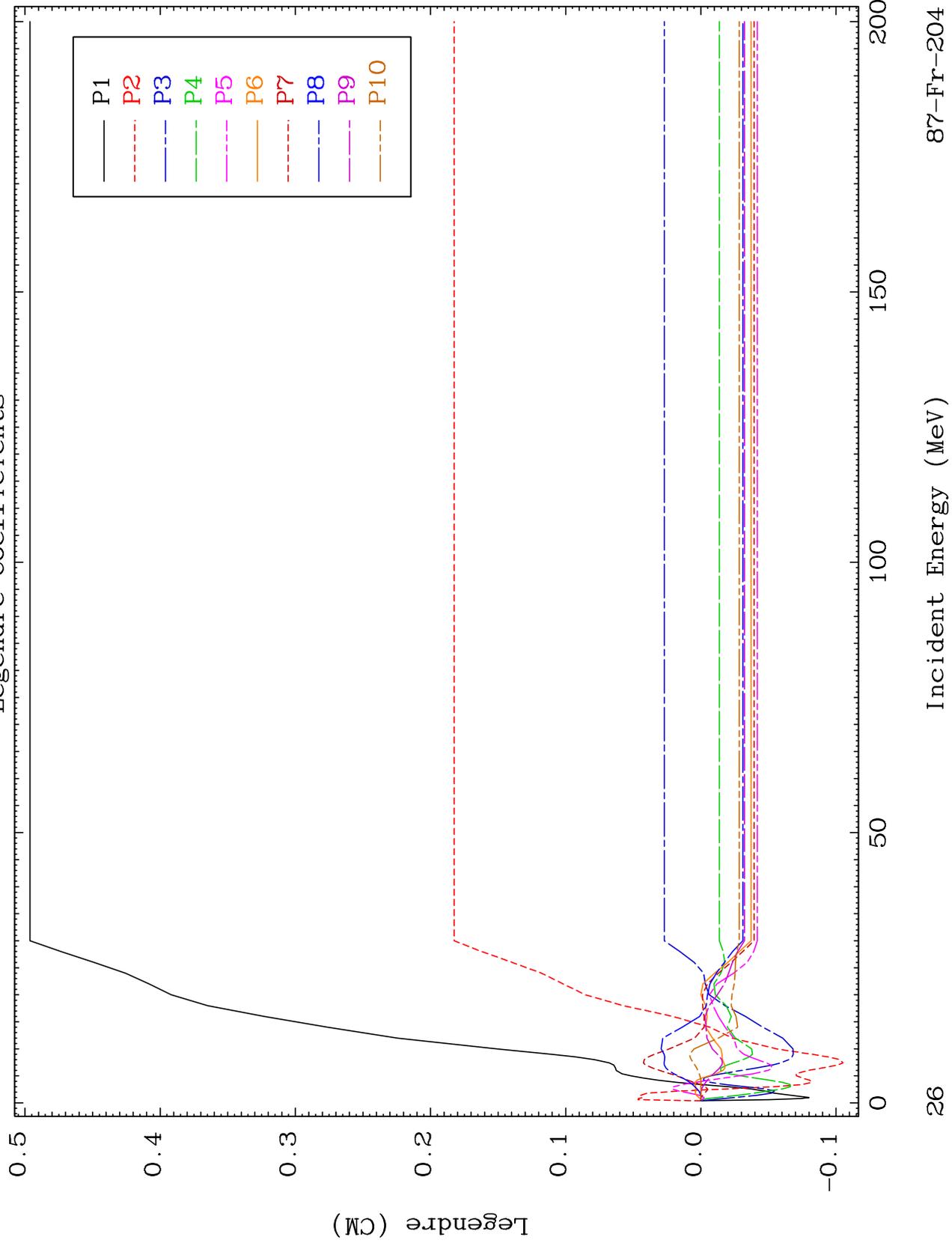
Incident Energy (MeV)

24

MAT 8701

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

87-Fr-204



87-Fr-204

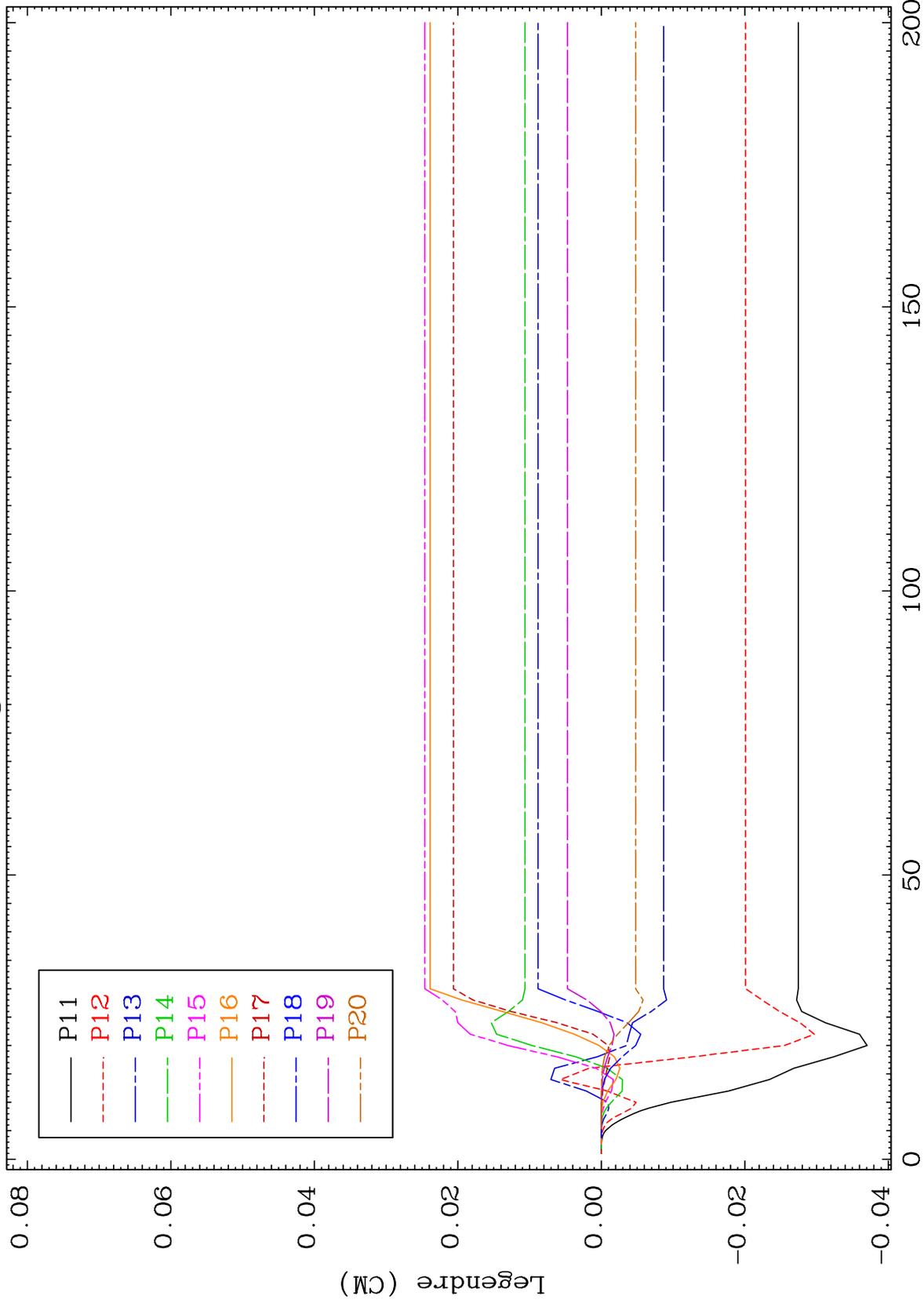
Incident Energy (MeV)

26

MAT 8701

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

87-Fr-204



27

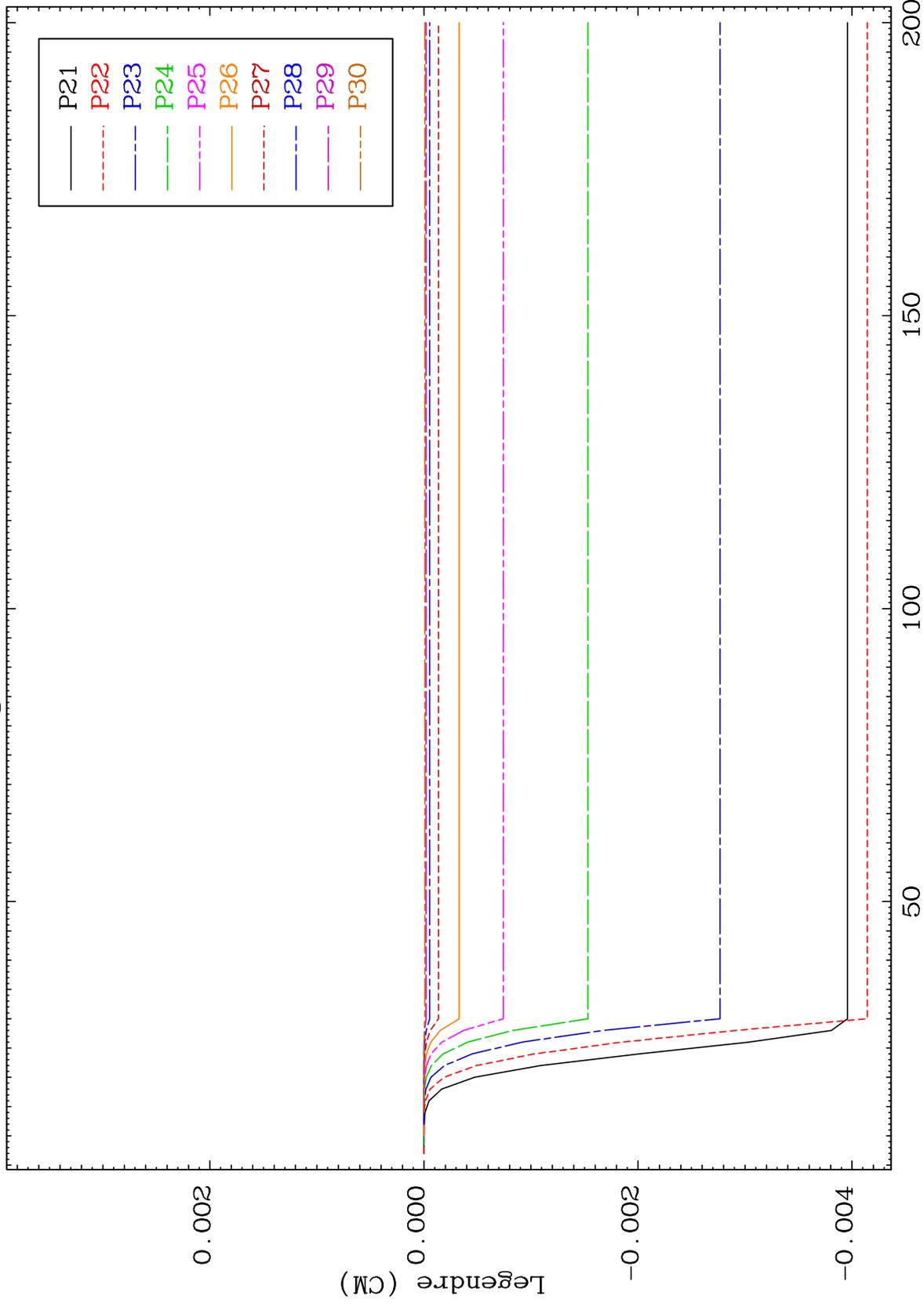
Incident Energy (MeV)

87-Fr-204

MAT 8701

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

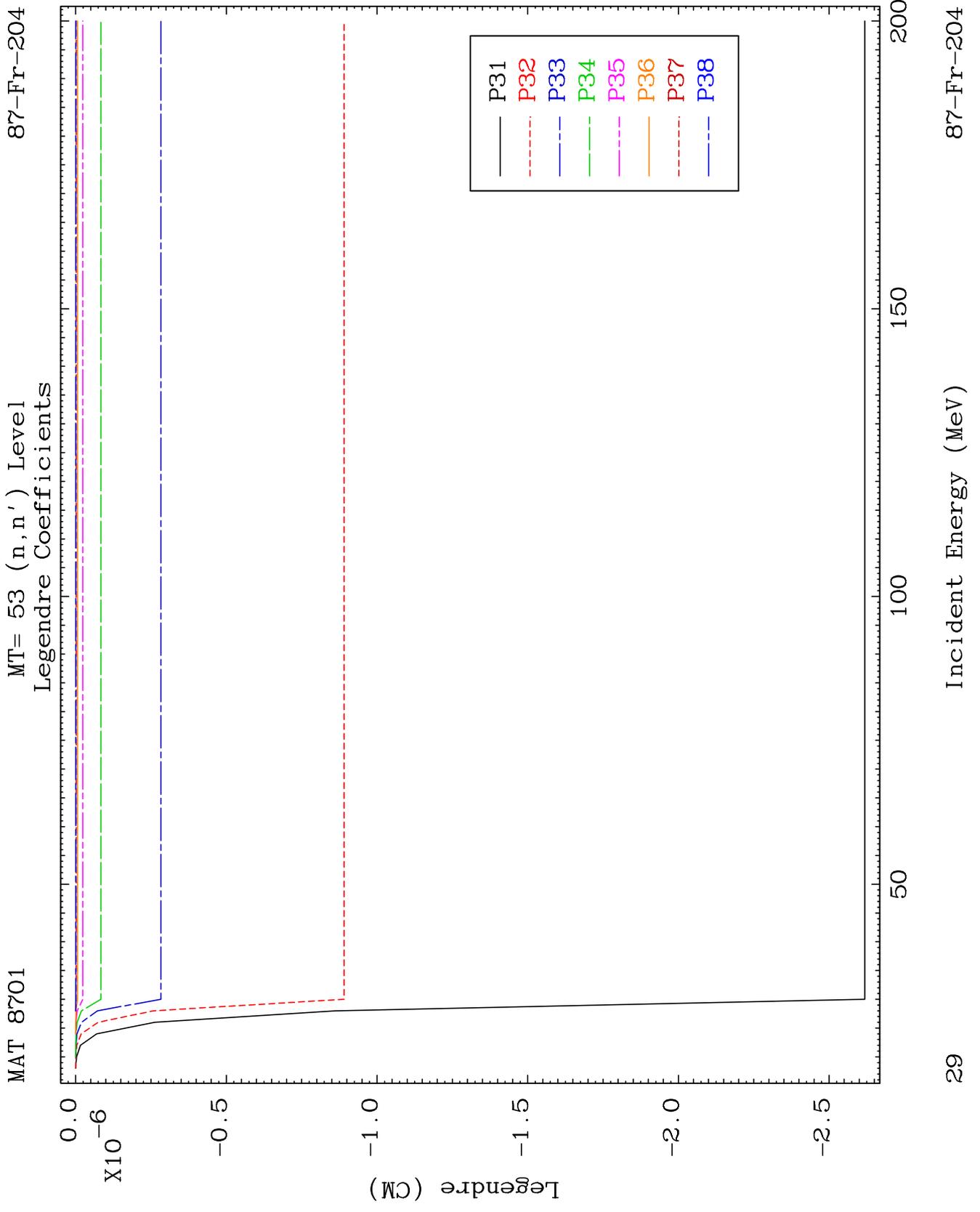
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28

Incident Energy (MeV)

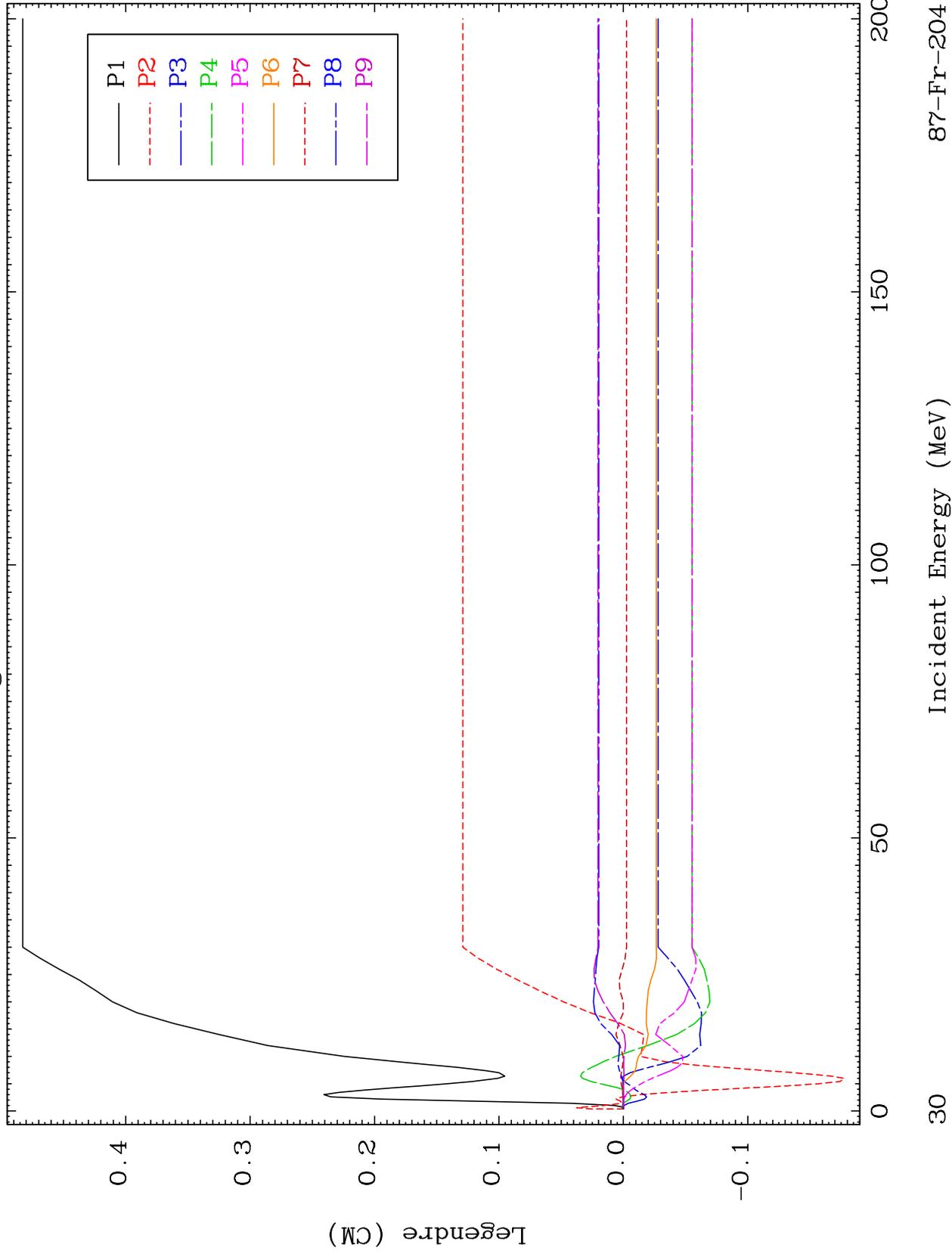
87-Fr-204



MAT 8701

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

87-Fr-204



87-Fr-204

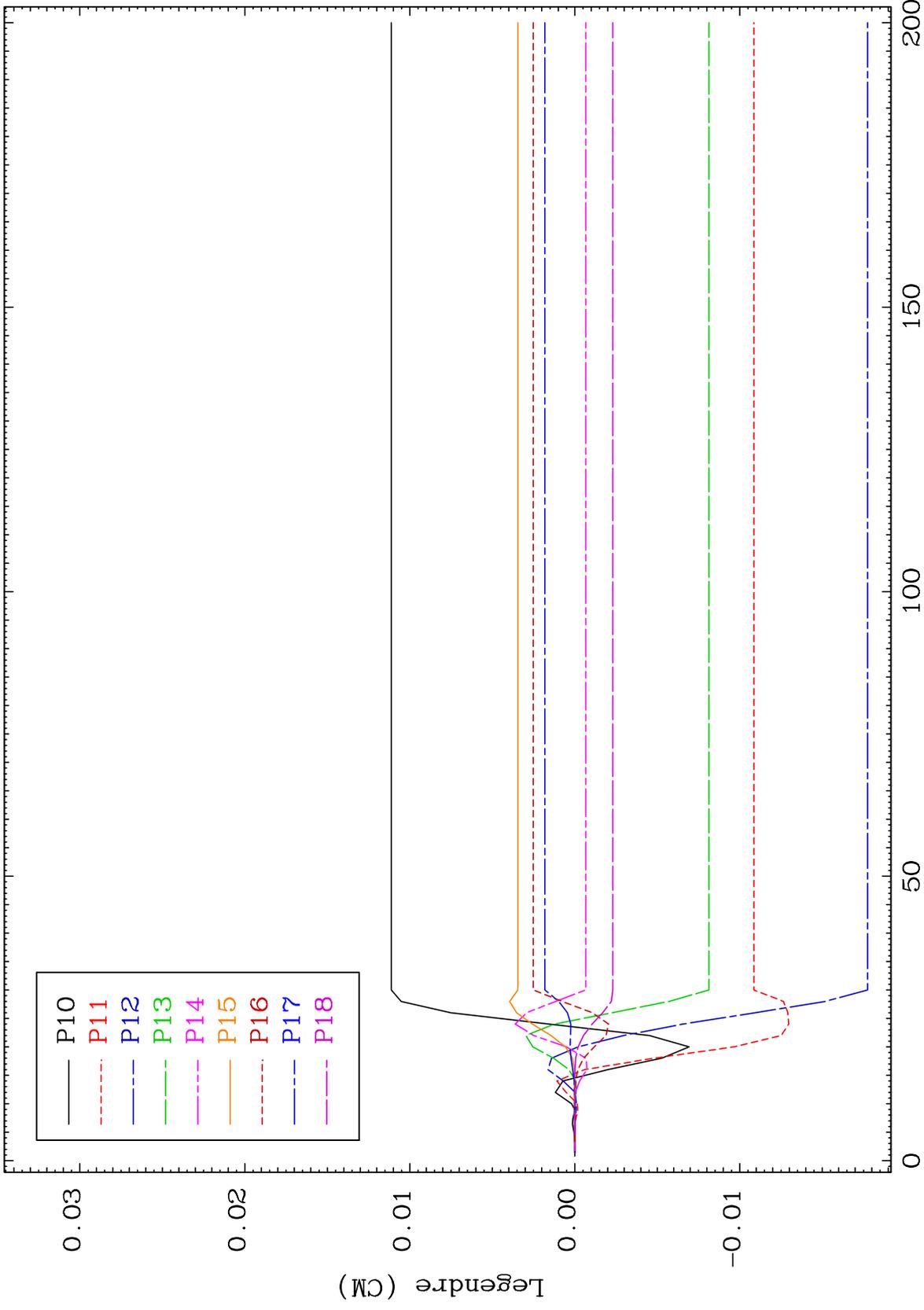
Incident Energy (MeV)

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MAT 8701

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

87-Fr-204



31

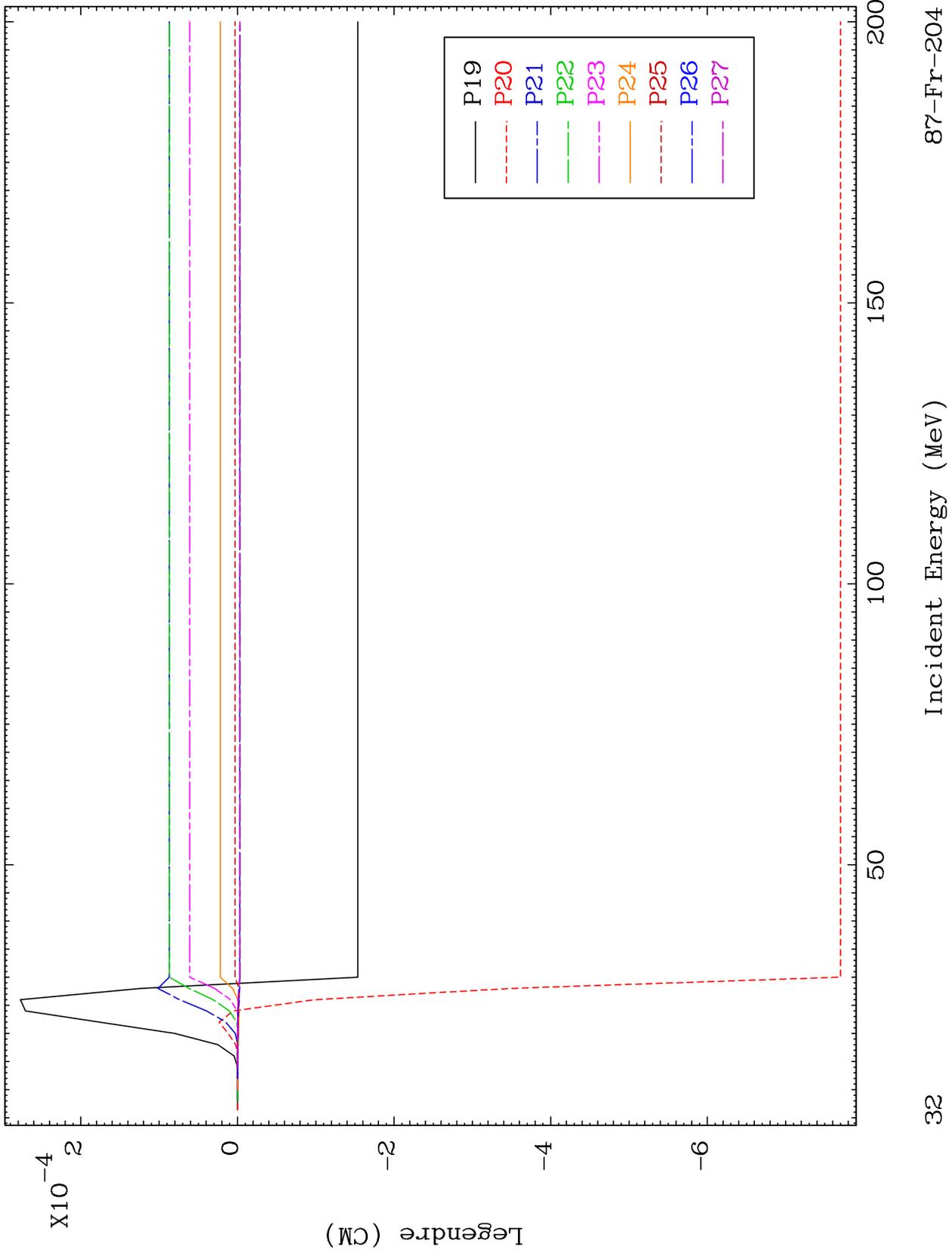
Incident Energy (MeV)

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MAT 8701

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

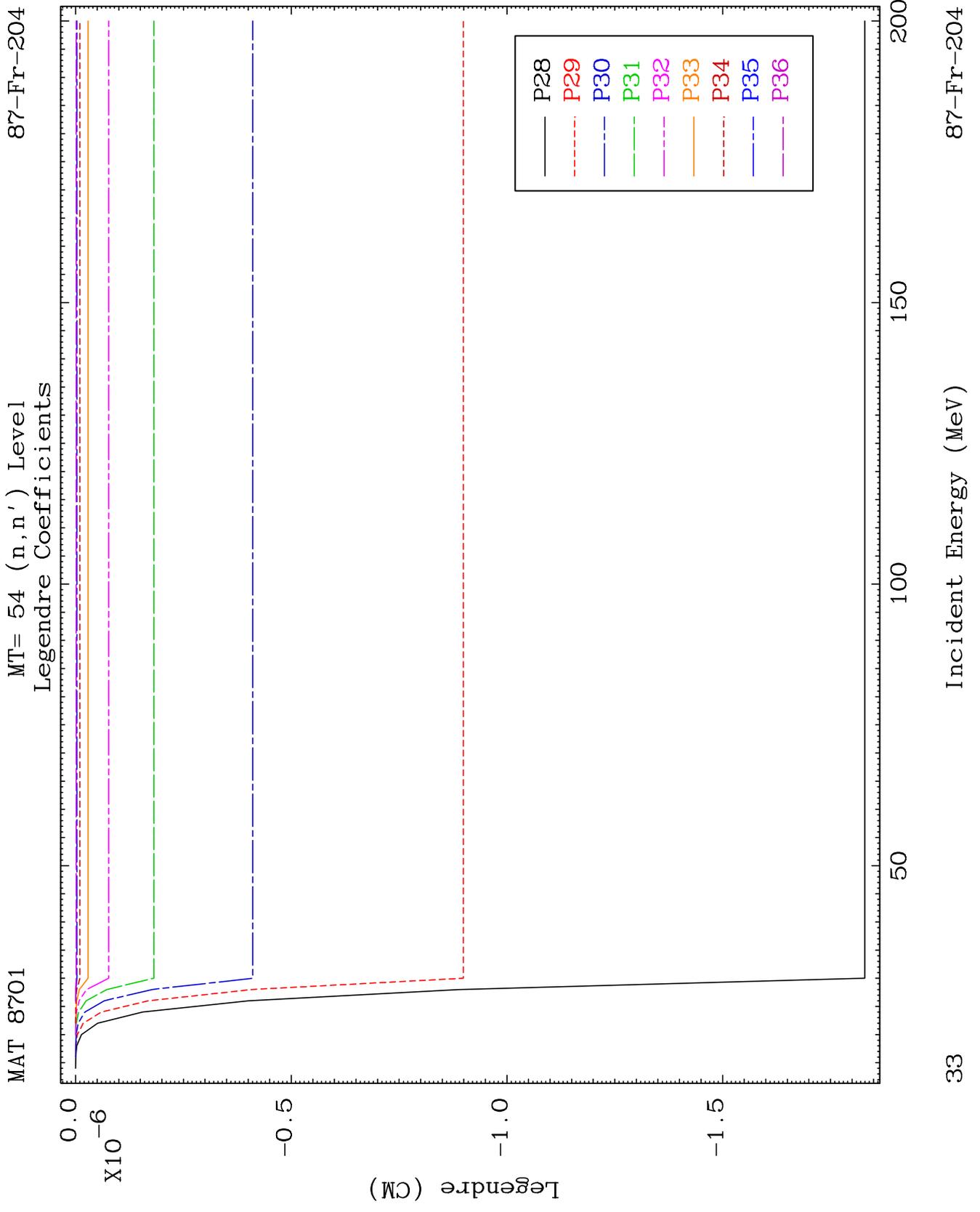
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32

Incident Energy (MeV)

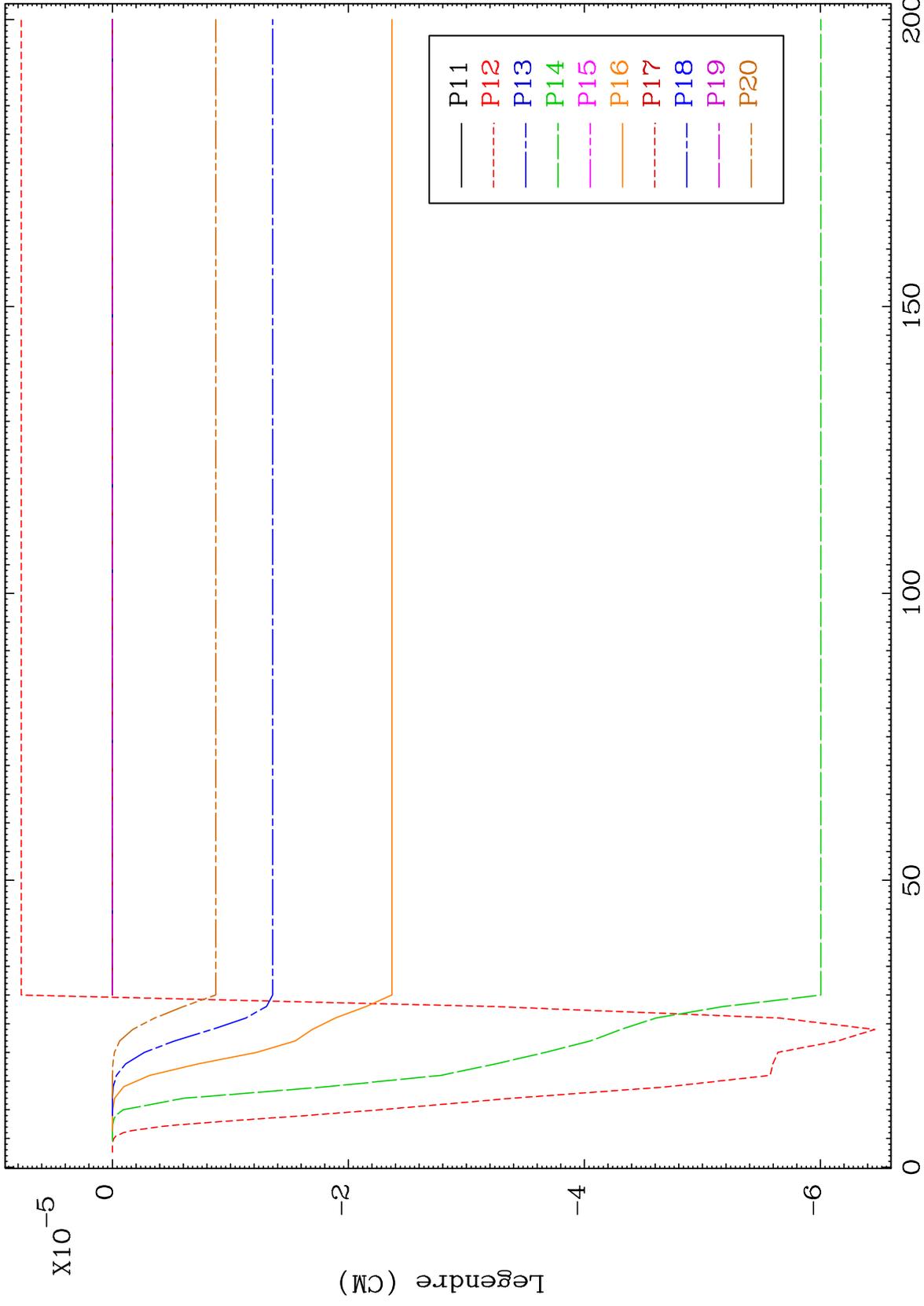
87-Fr-204



MAT 8701

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

87-Fr-204



35

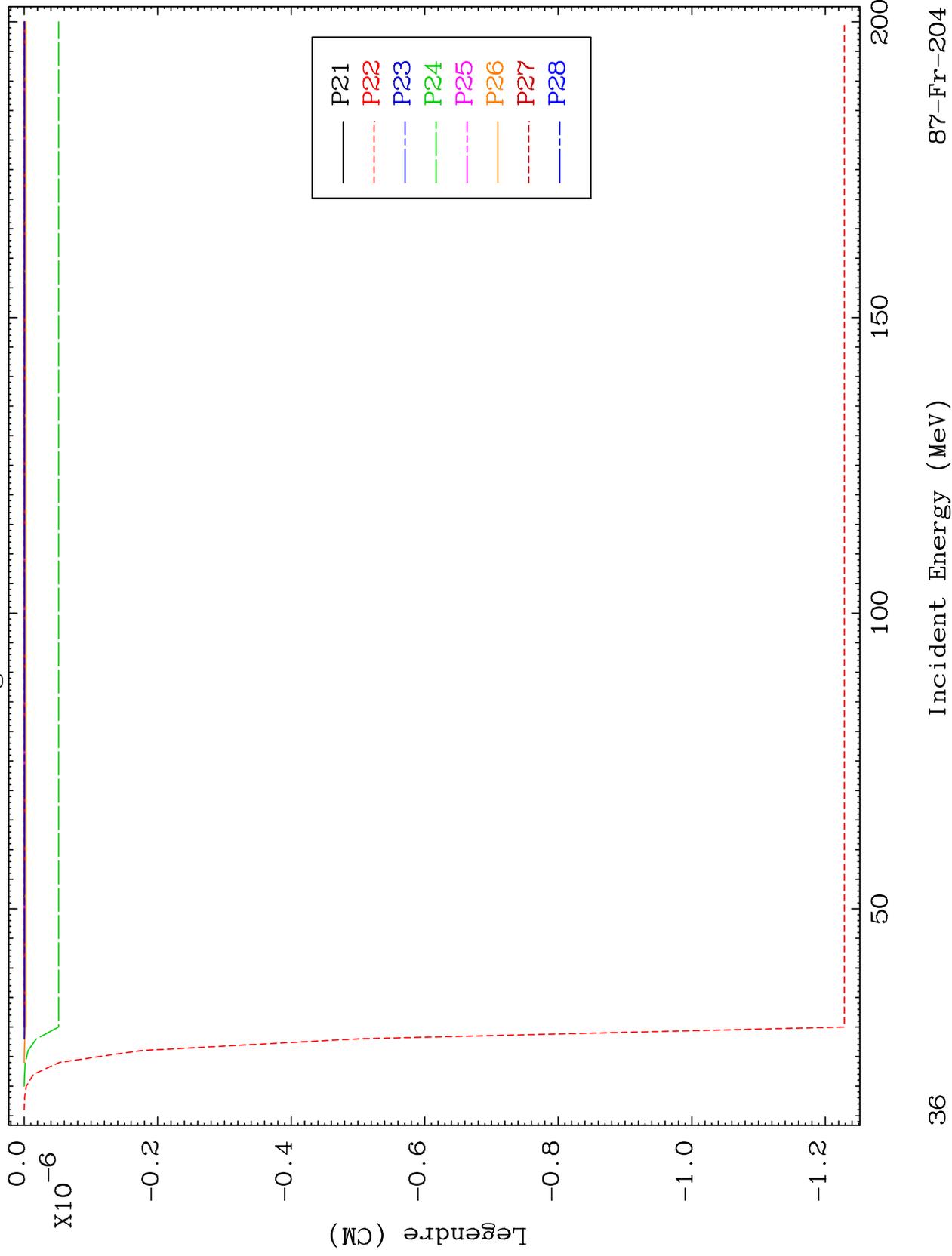
Incident Energy (MeV)

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MAT 8701

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

87-Fr-204



36

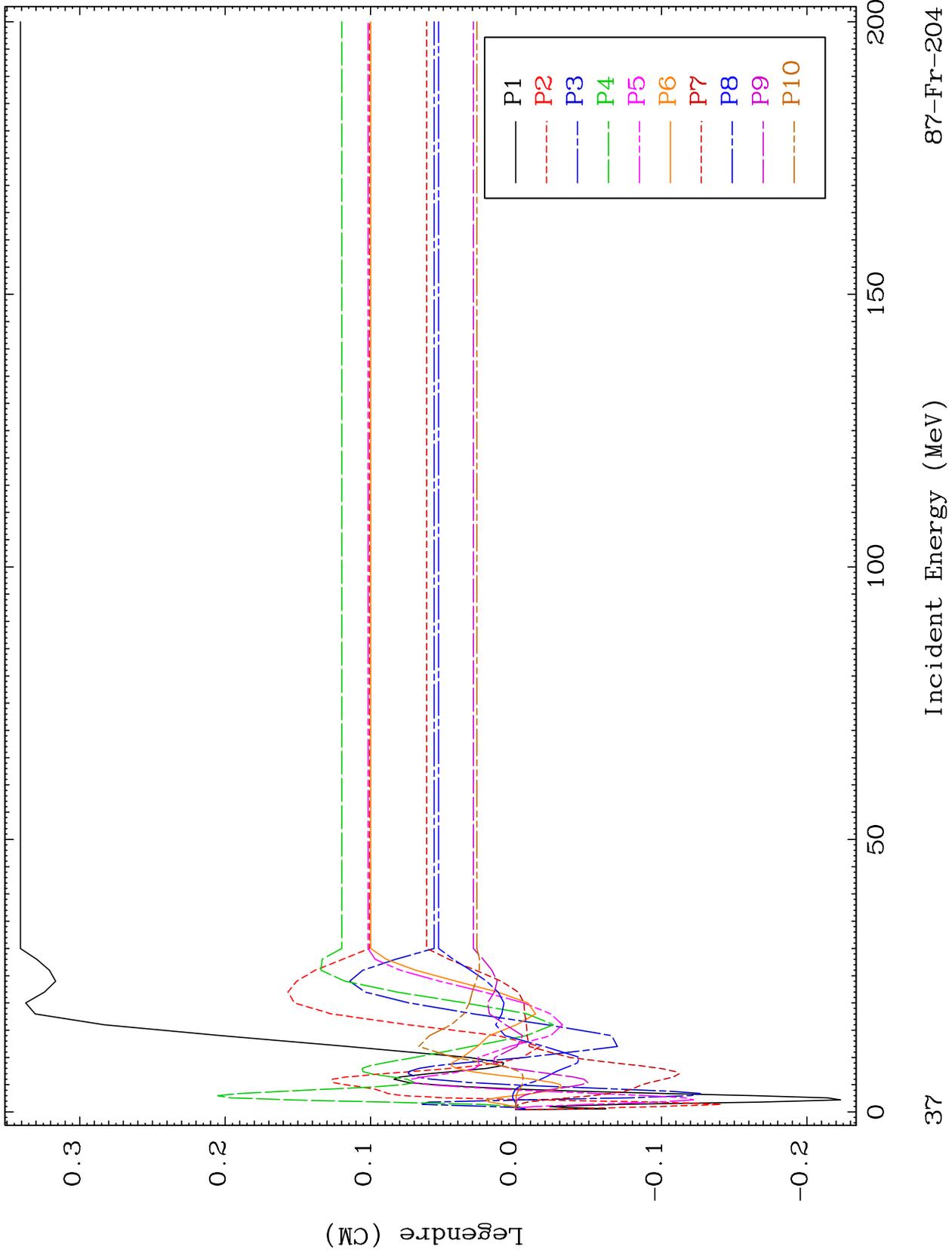
Incident Energy (MeV)

87-Fr-204

MAT 8701

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

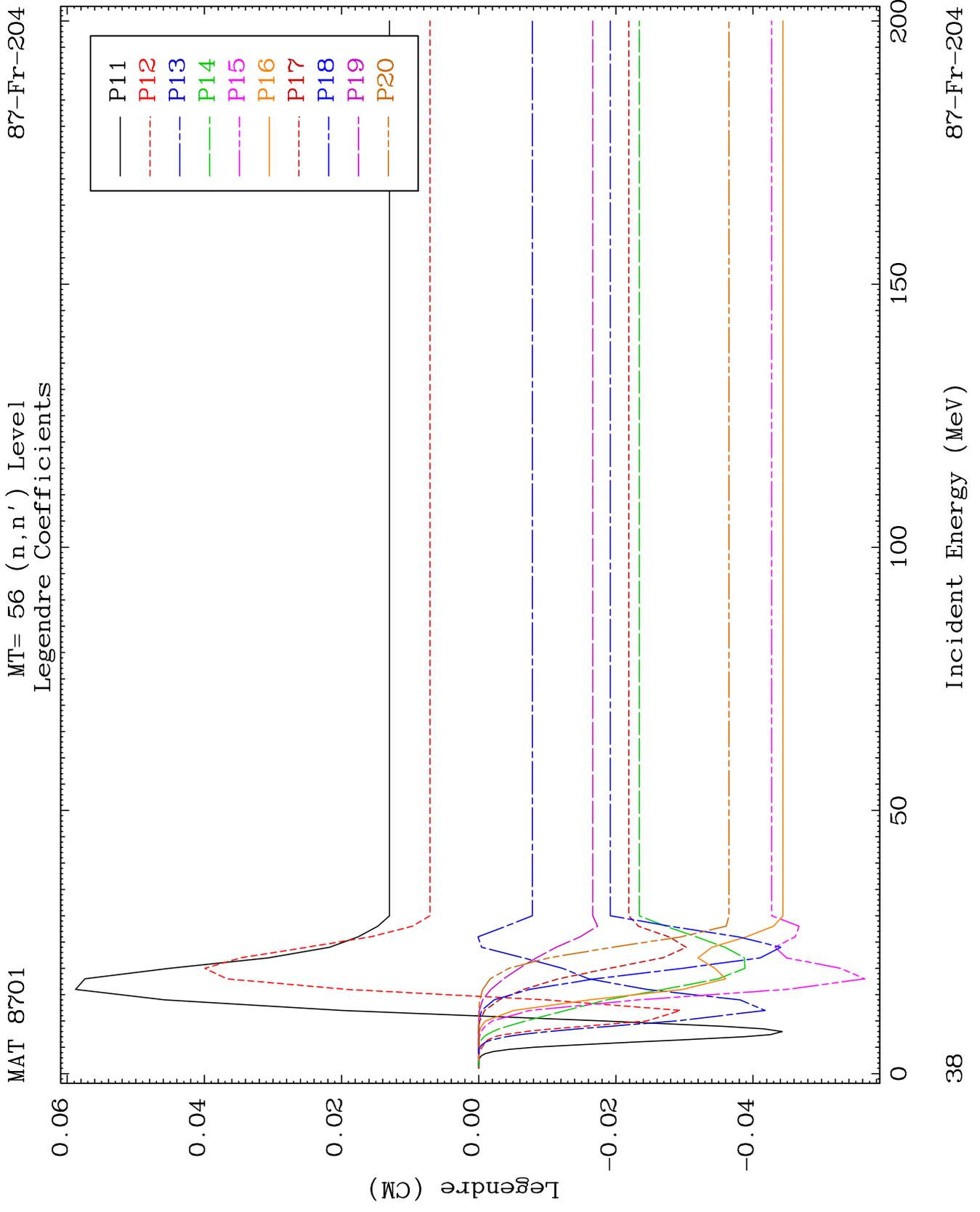
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87-Fr-204

Incident Energy (MeV)

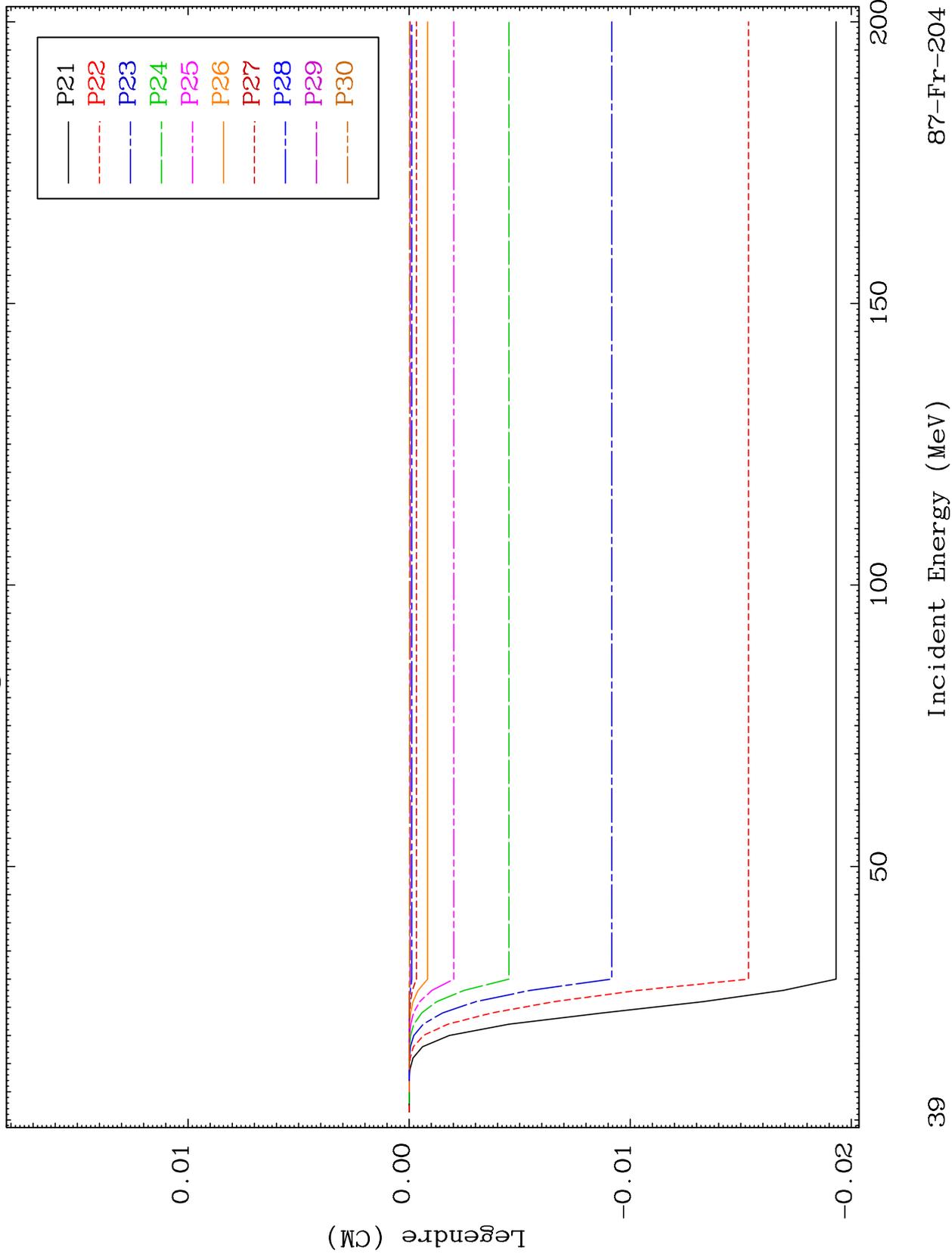
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MAT 8701

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

87-Fr-204



39

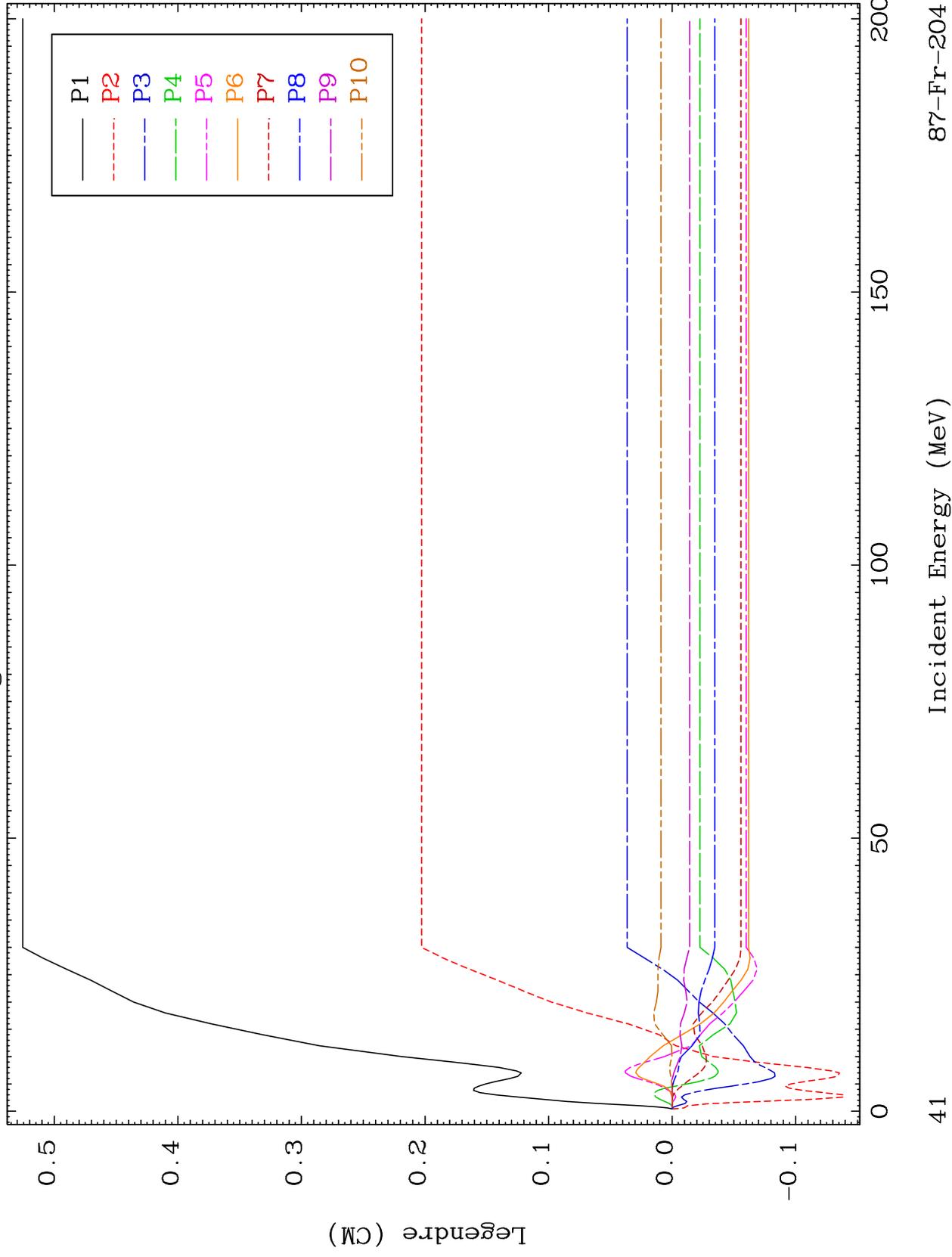
Incident Energy (MeV)

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MAT 8701

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

87-Fr-204



41

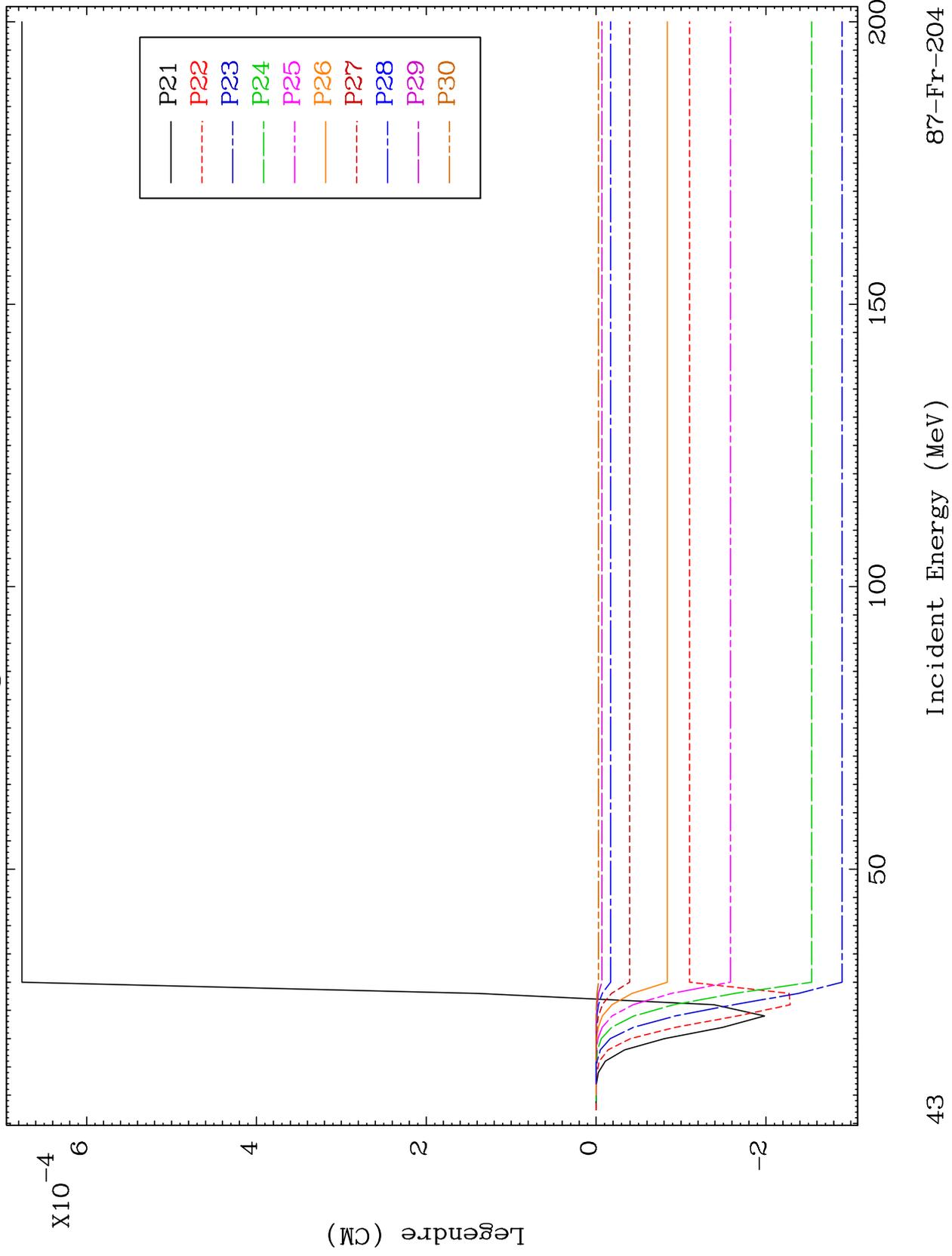
Incident Energy (MeV)

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MAT 8701

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

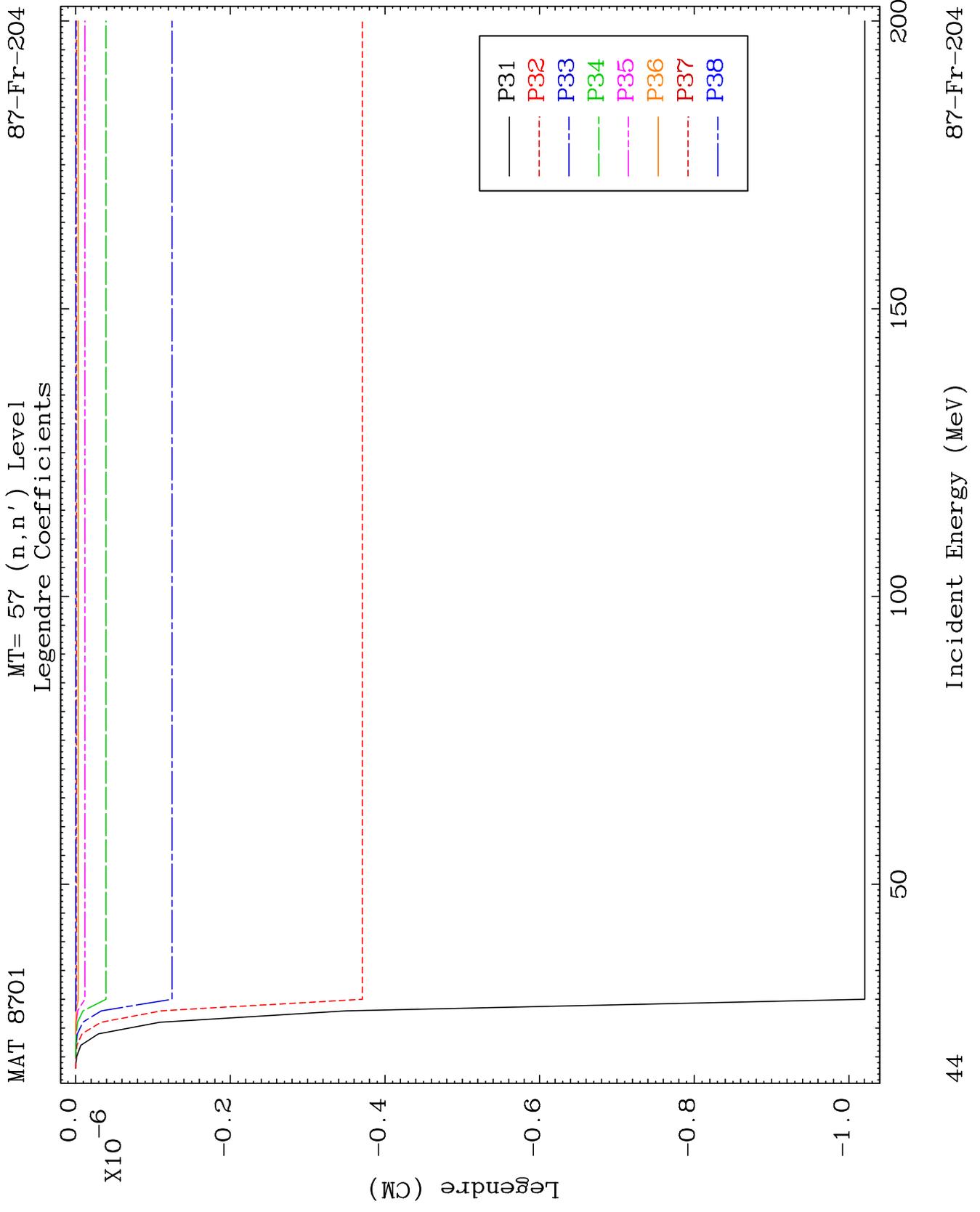
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43

Incident Energy (MeV)

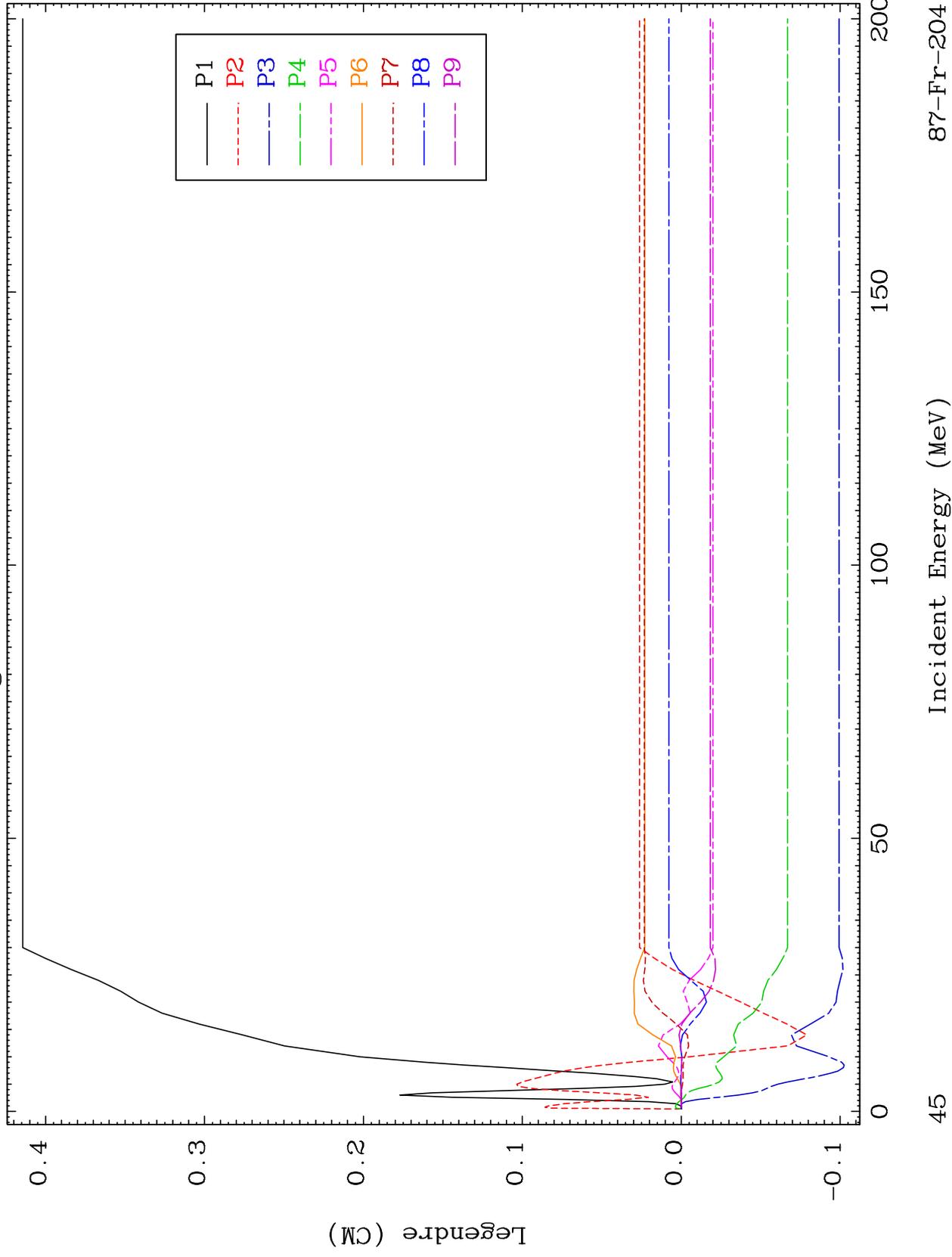
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MAT 8701

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

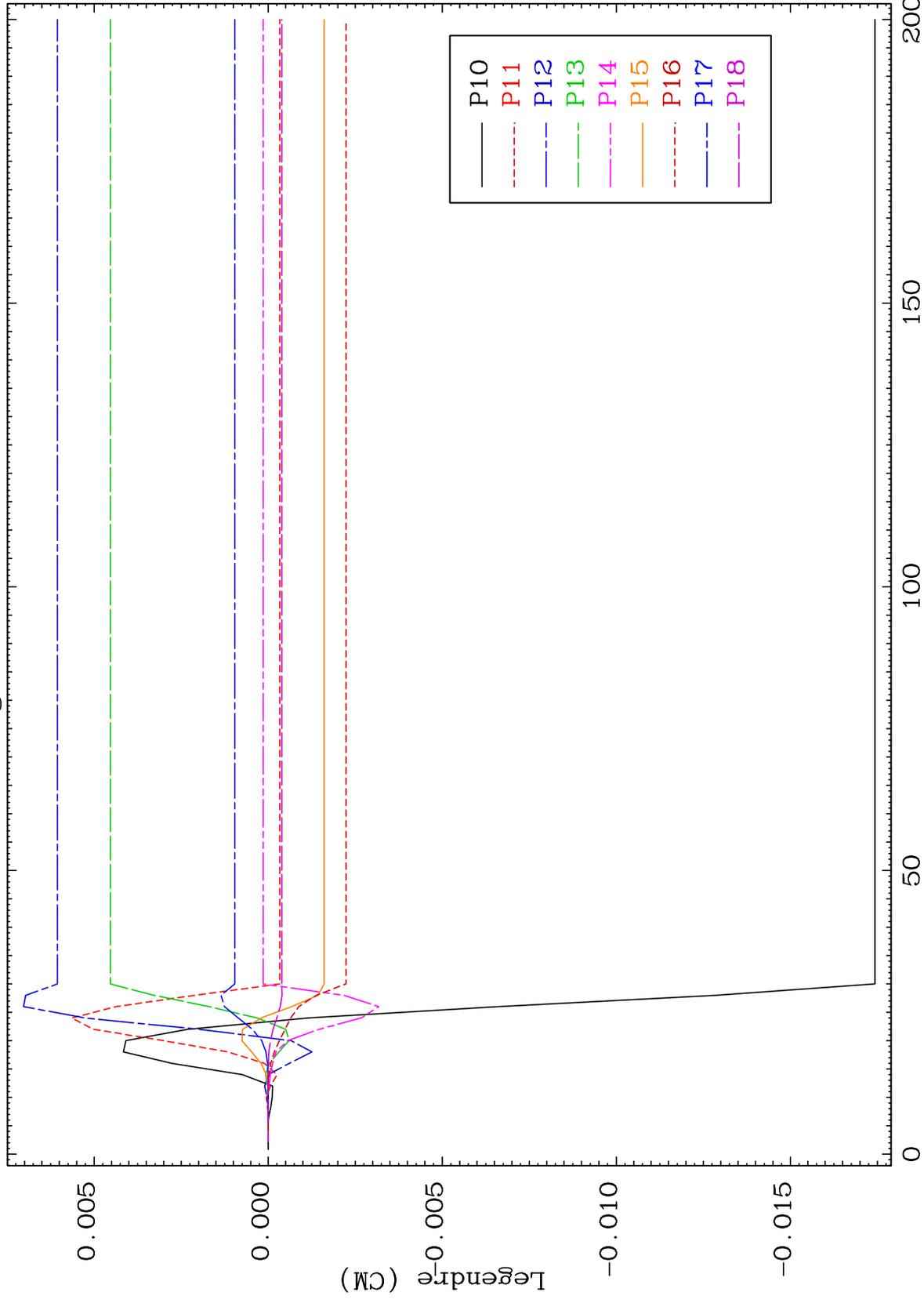
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MAT 8701

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

87-Fr-204



46

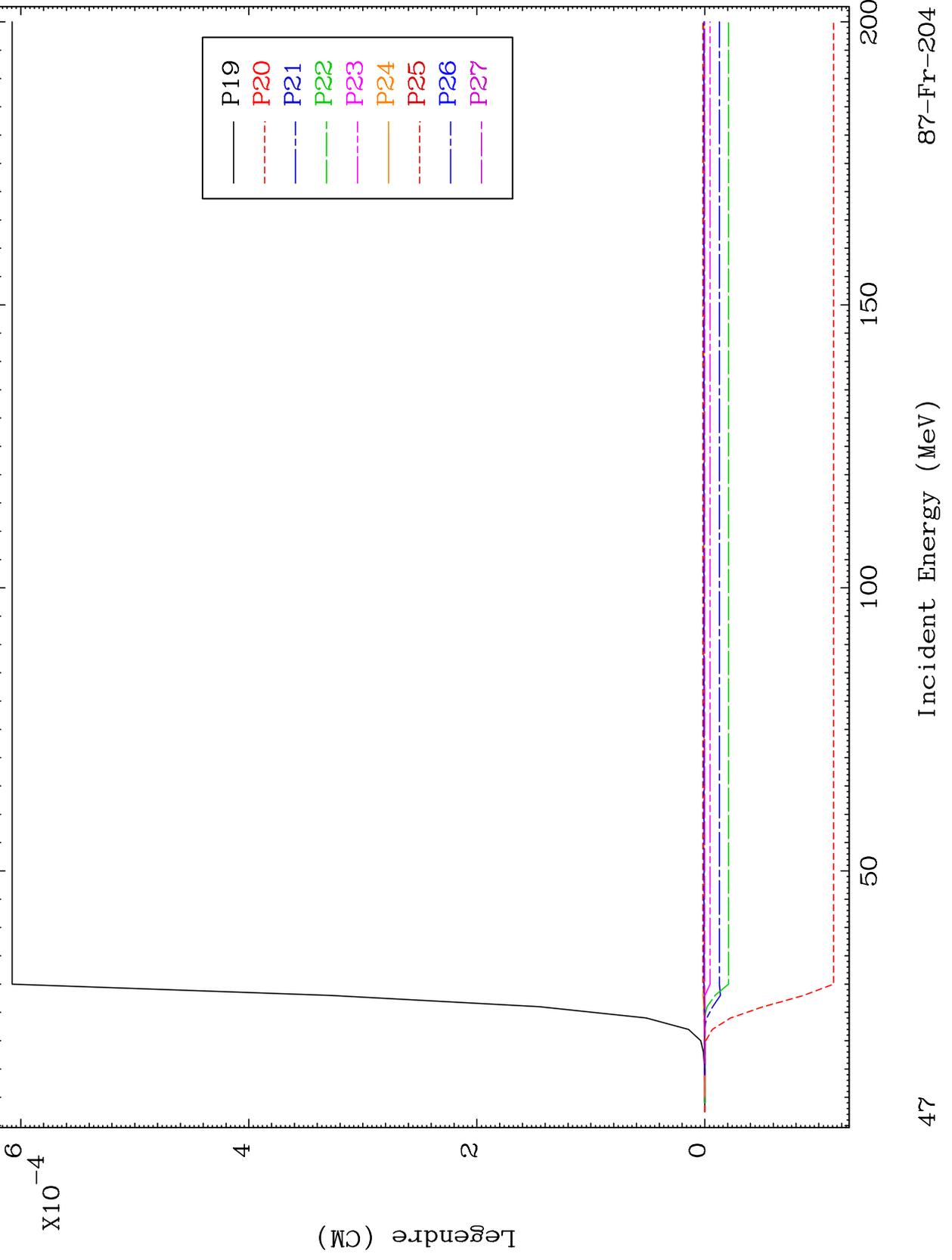
Incident Energy (MeV)

87-Fr-204

MAT 8701

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

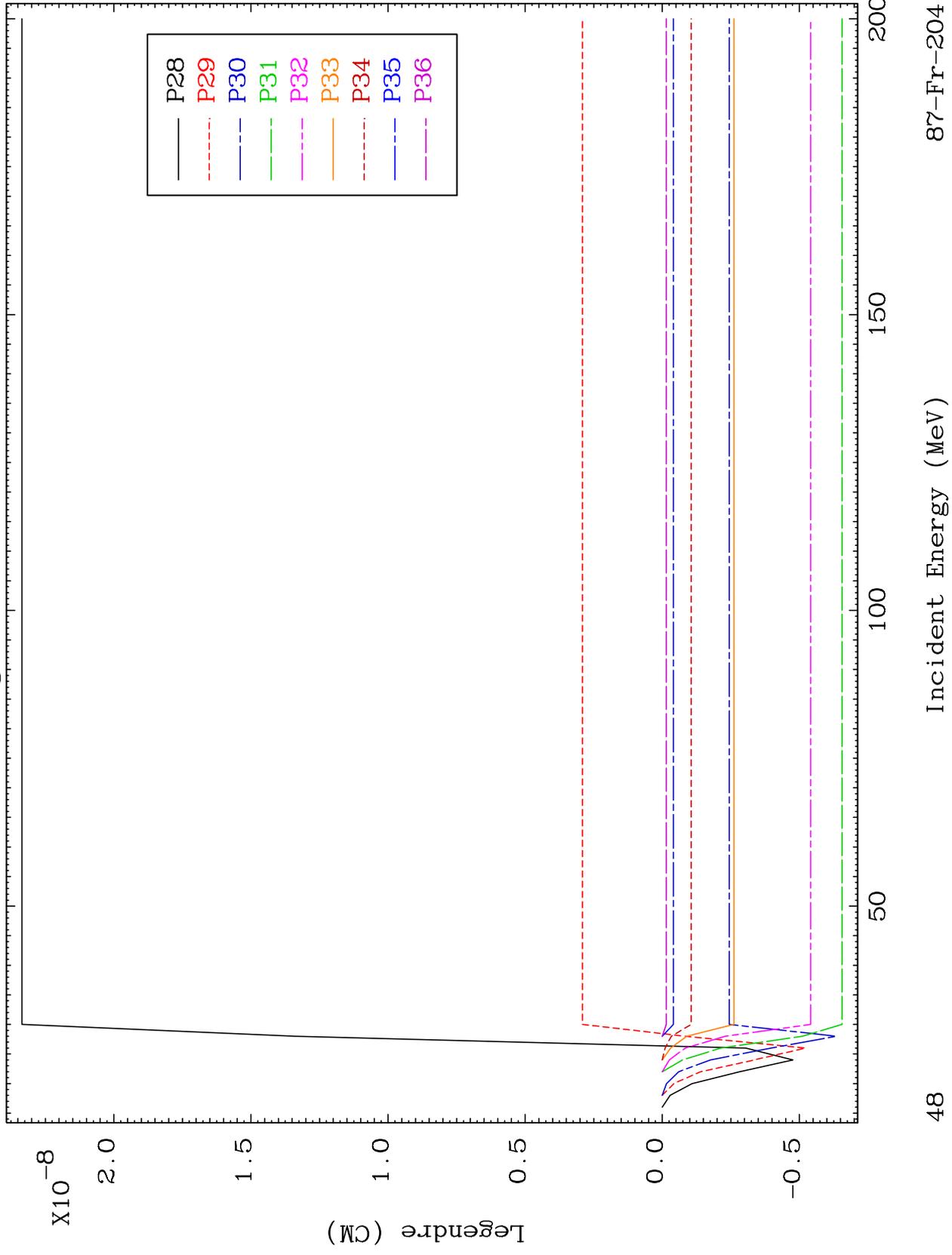
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MAT 8701

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

87-Fr-204



48

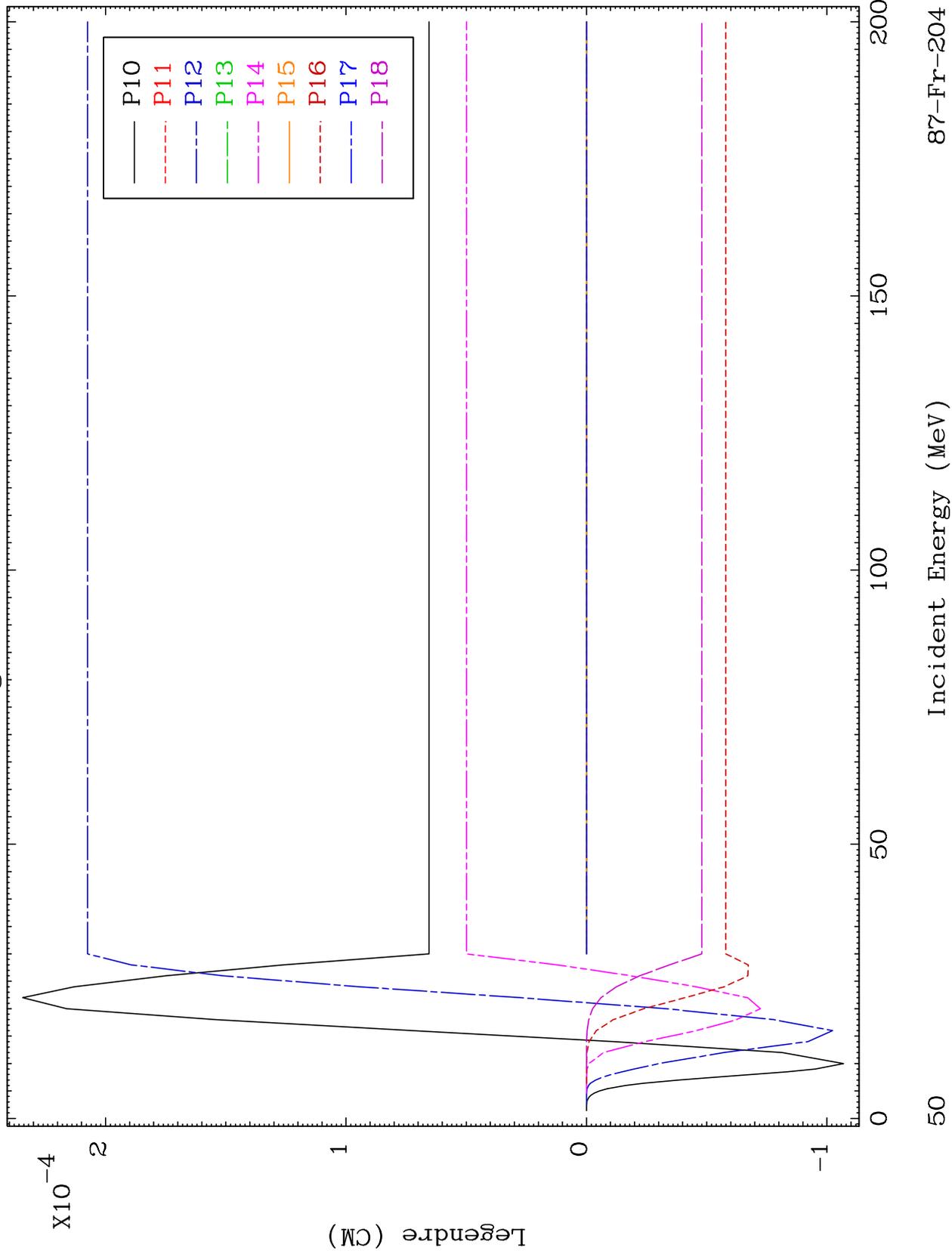
Incident Energy (MeV)

87-Fr-204

MAT 8701

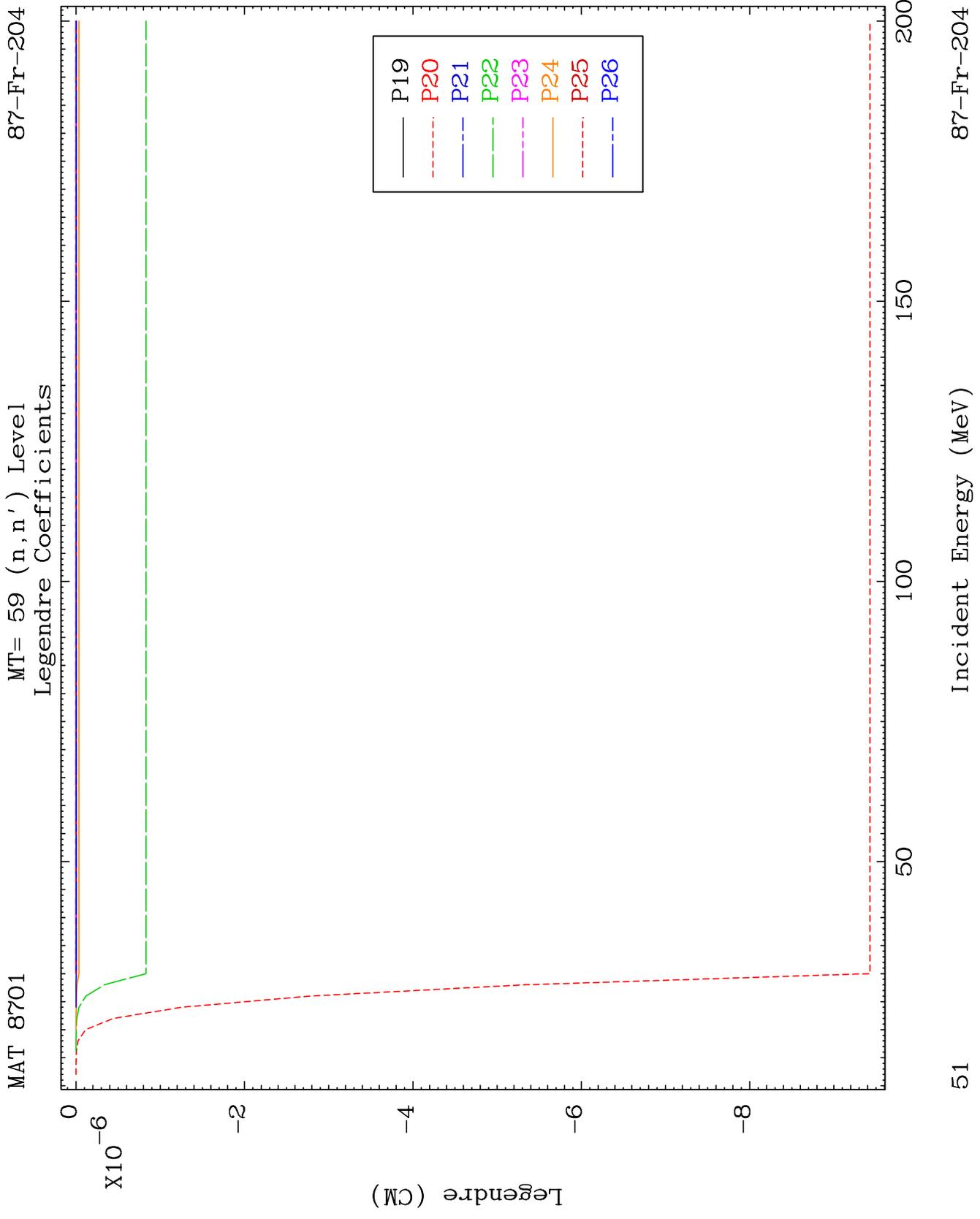
MT= 59 (n,n') Level
Legendre Coefficients

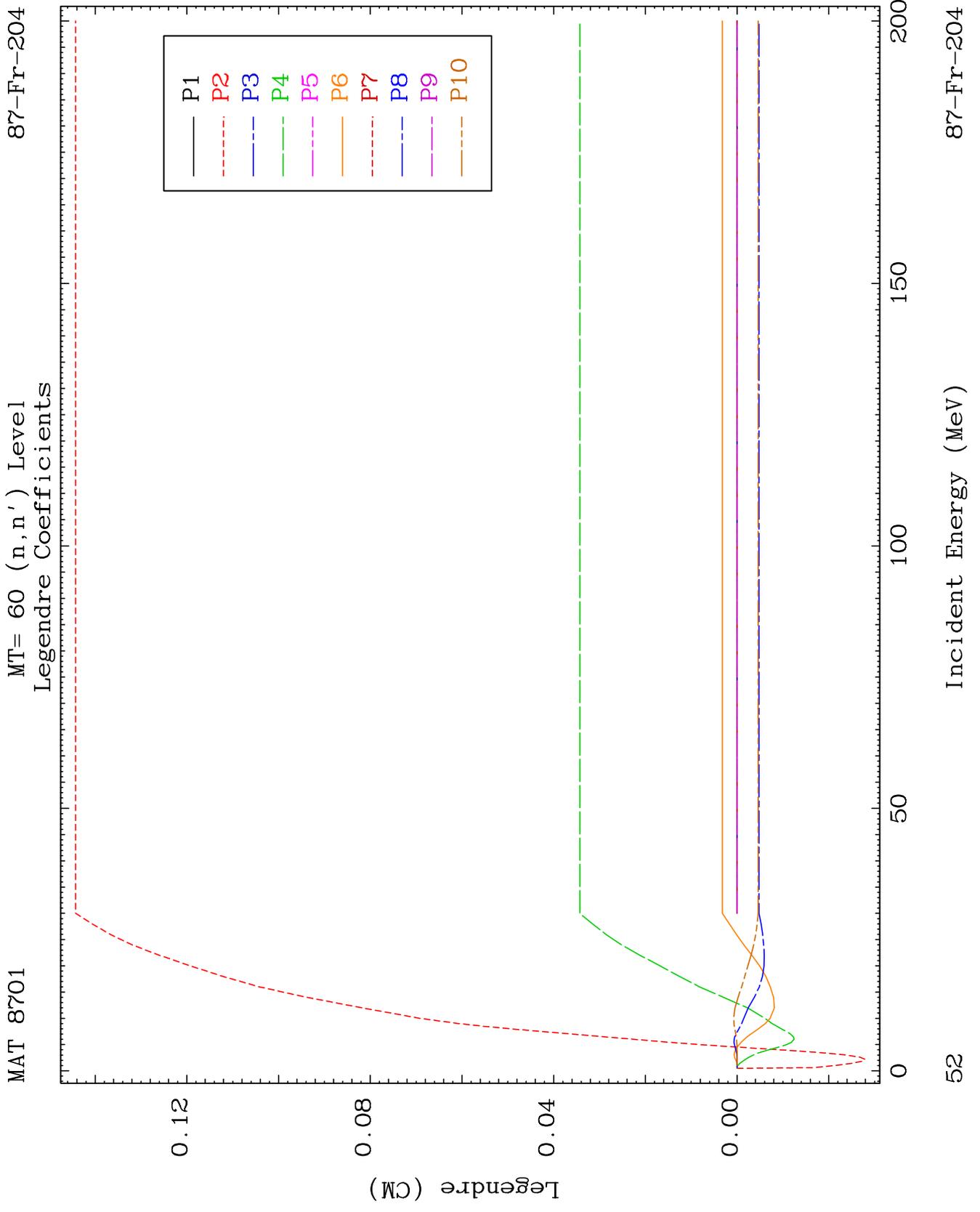
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87-Fr-204

Incident Energy (MeV)

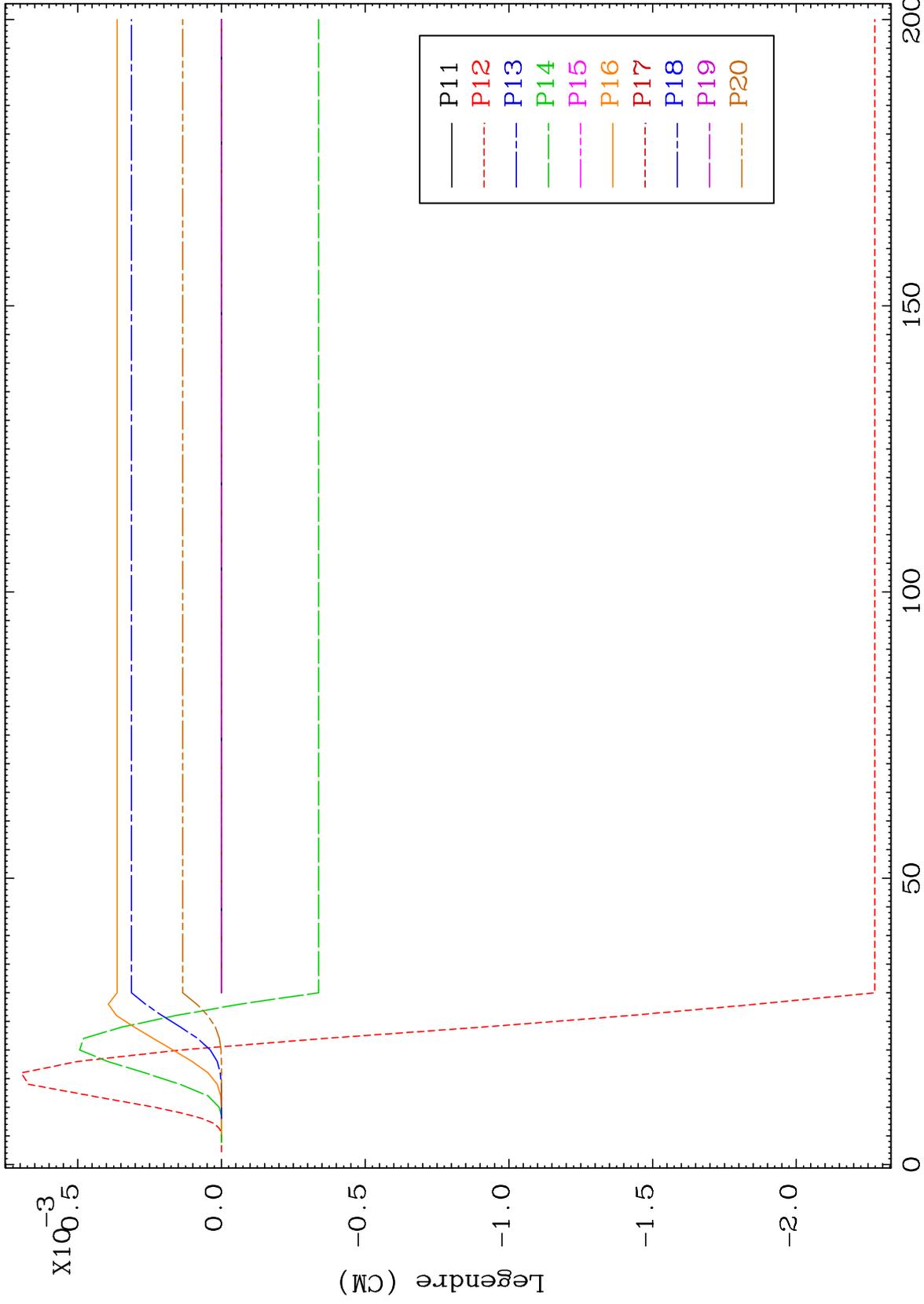




MAT 8701

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

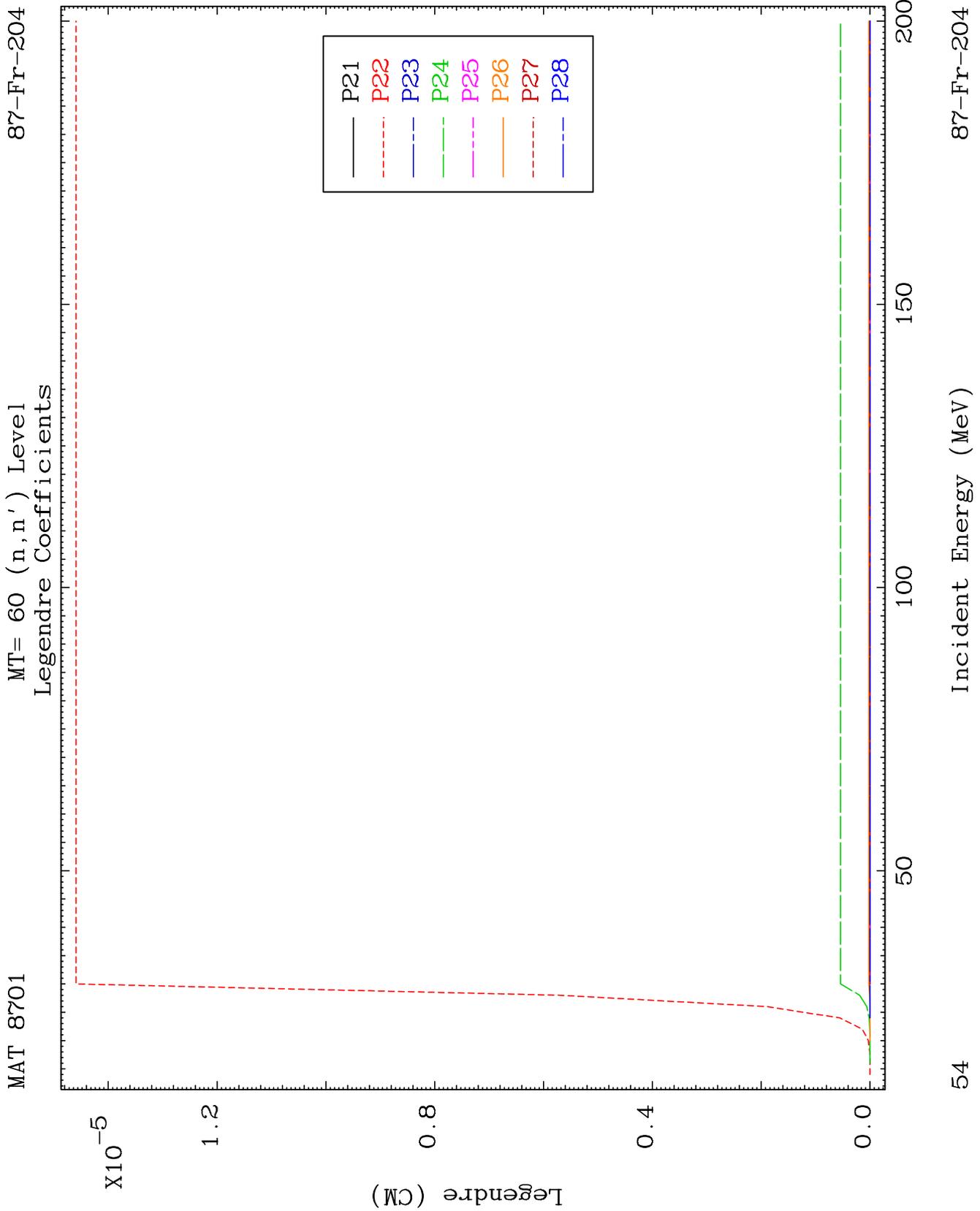
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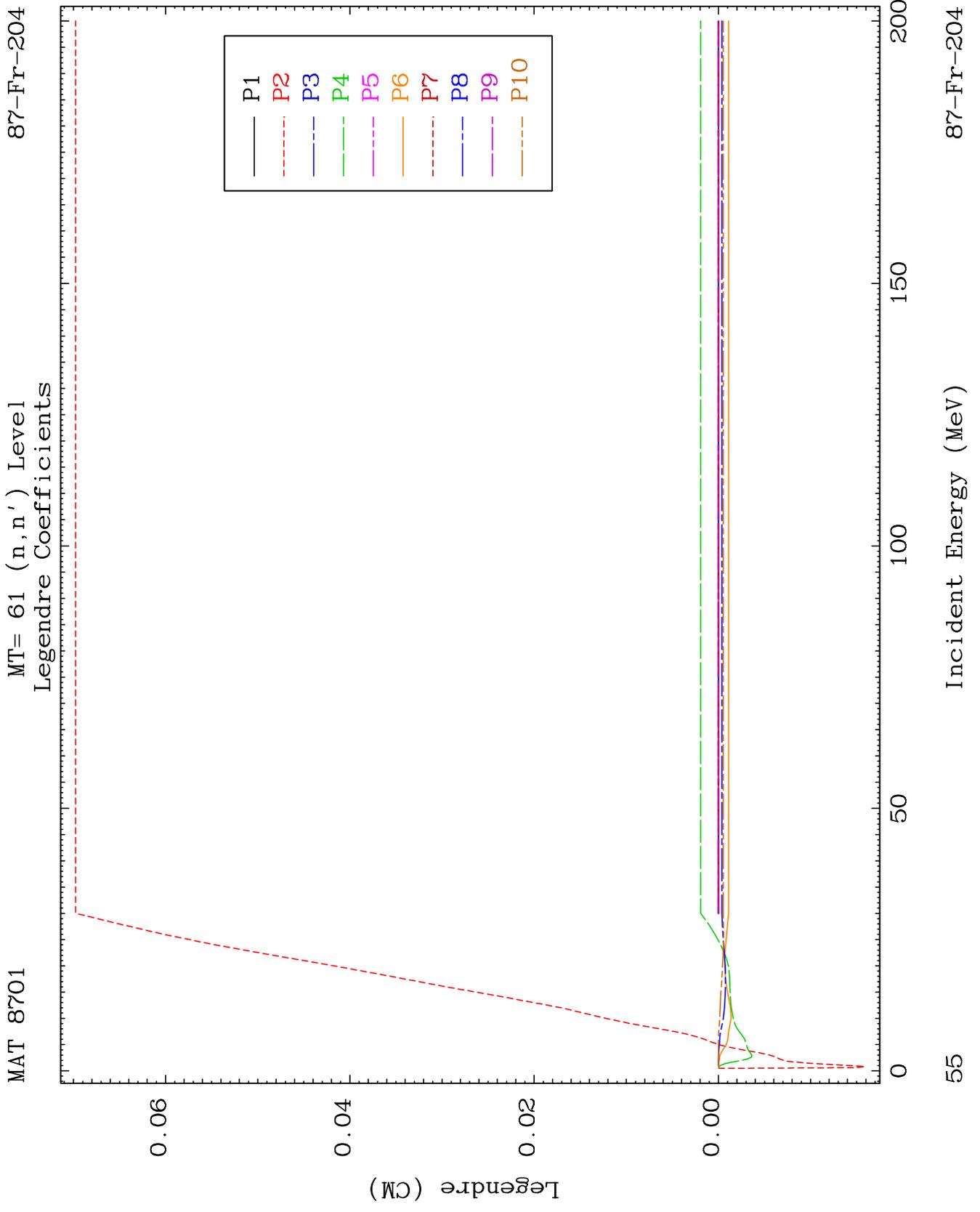


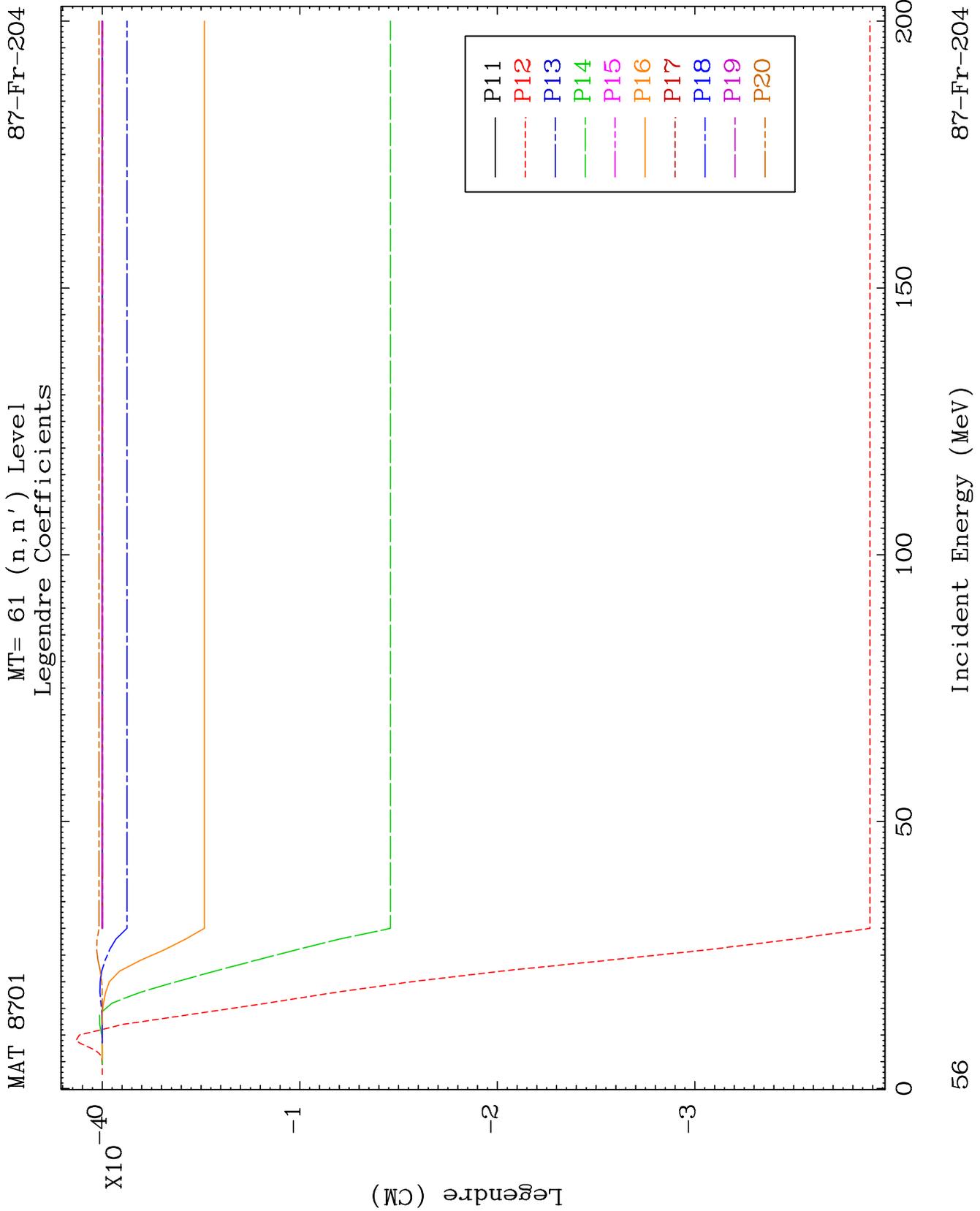
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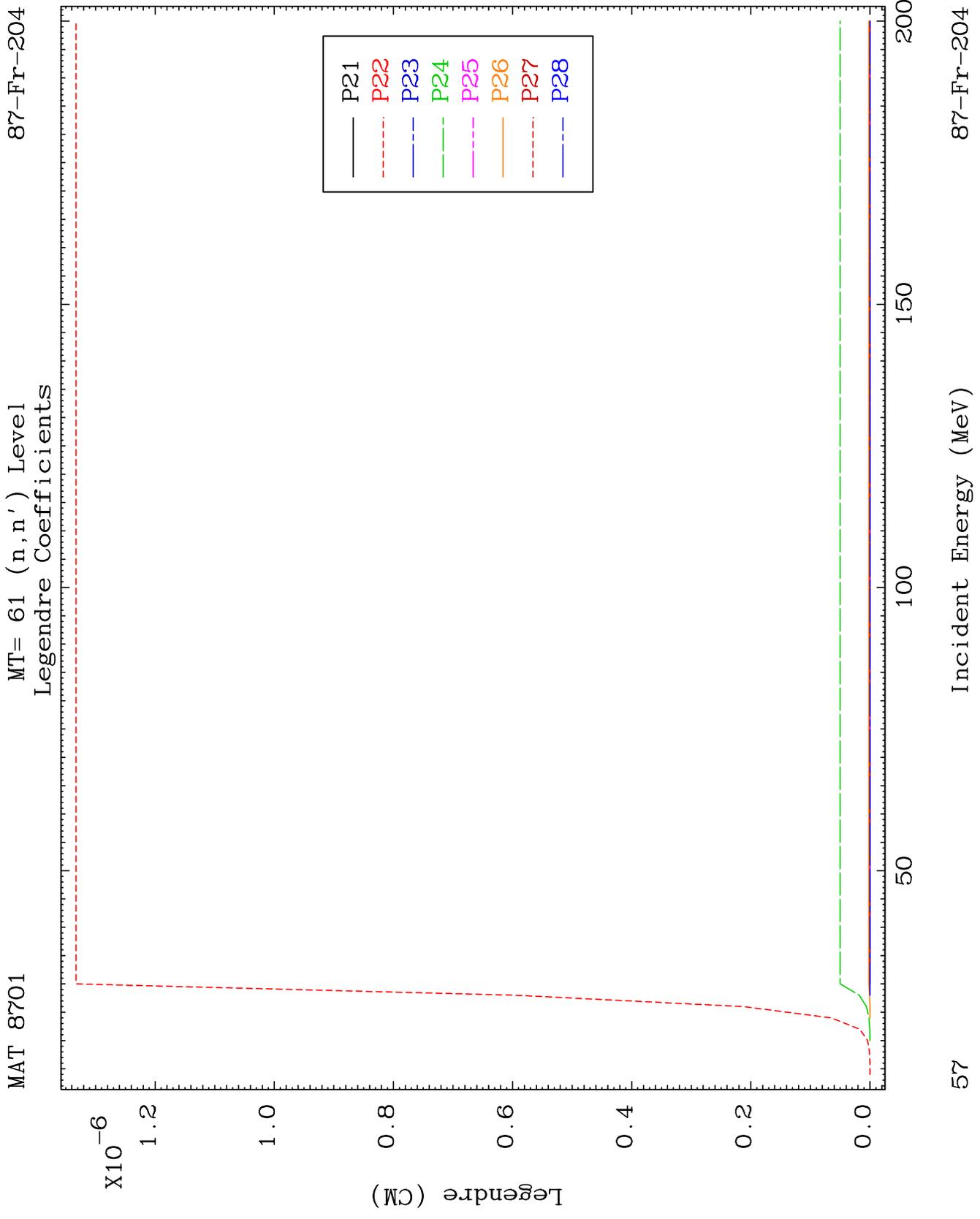
Incident Energy (MeV)

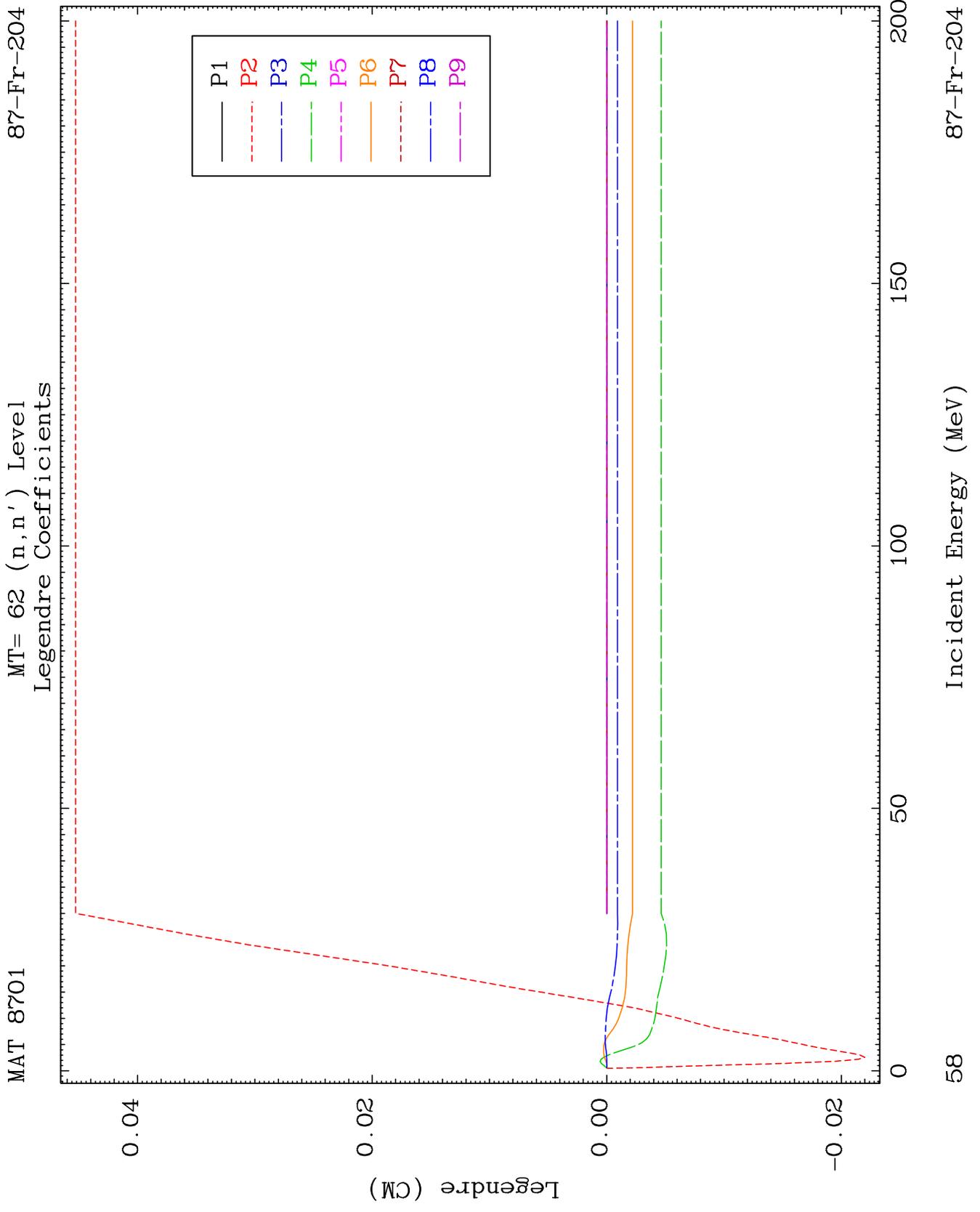
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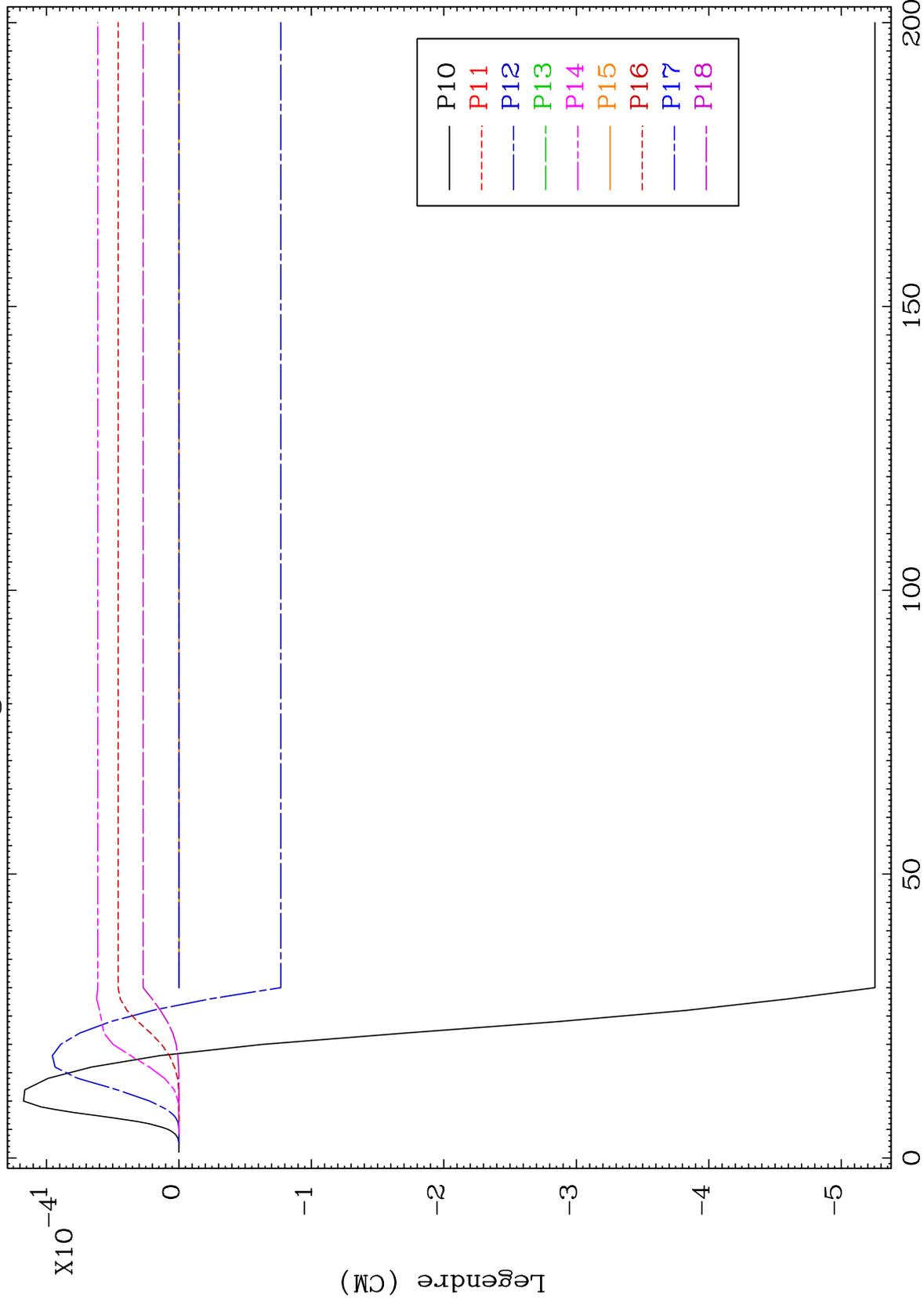




MAT 8701

87-Fr-204

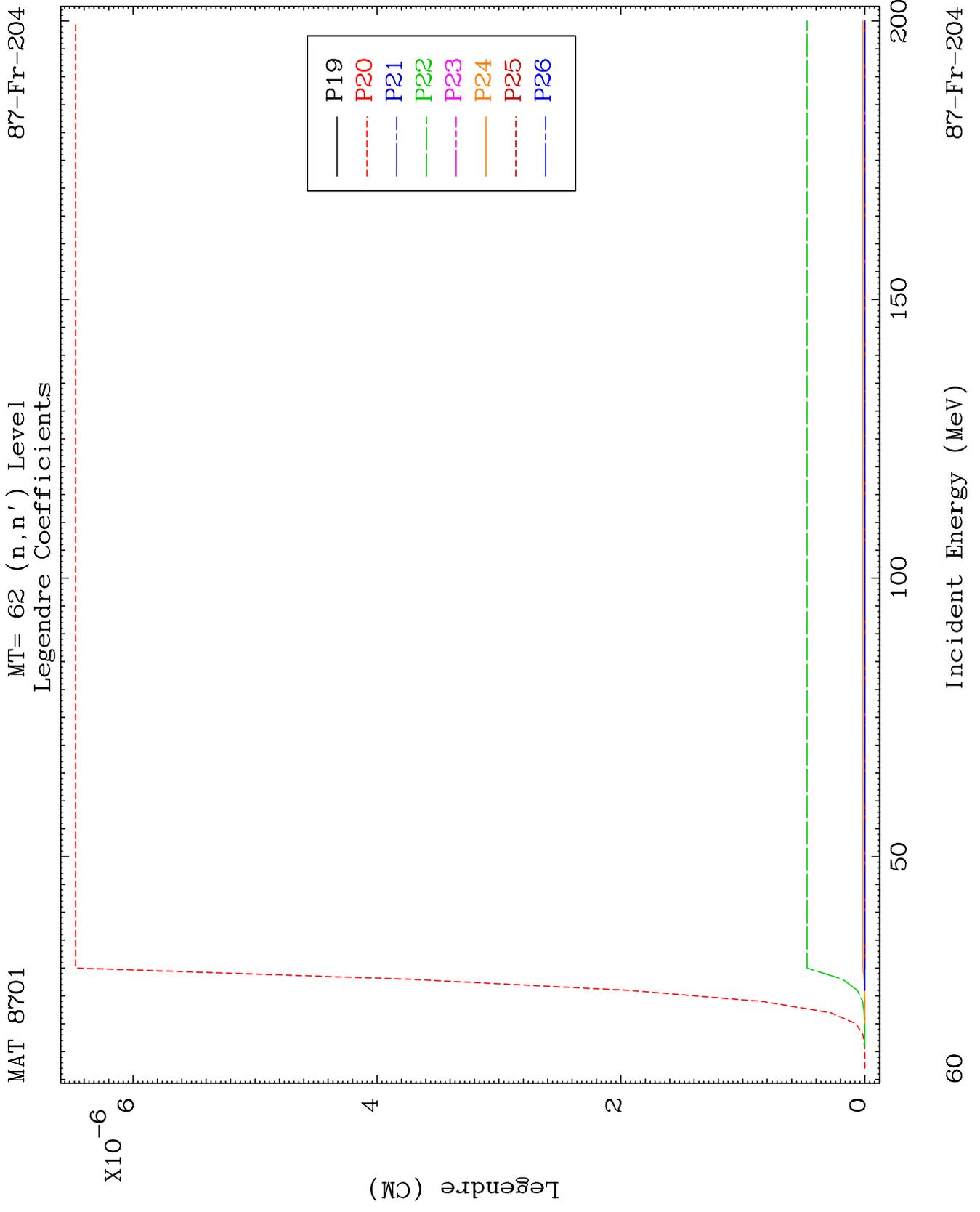
MT= 62 (n,n') Level
Legendre Coefficients



59

Incident Energy (MeV)

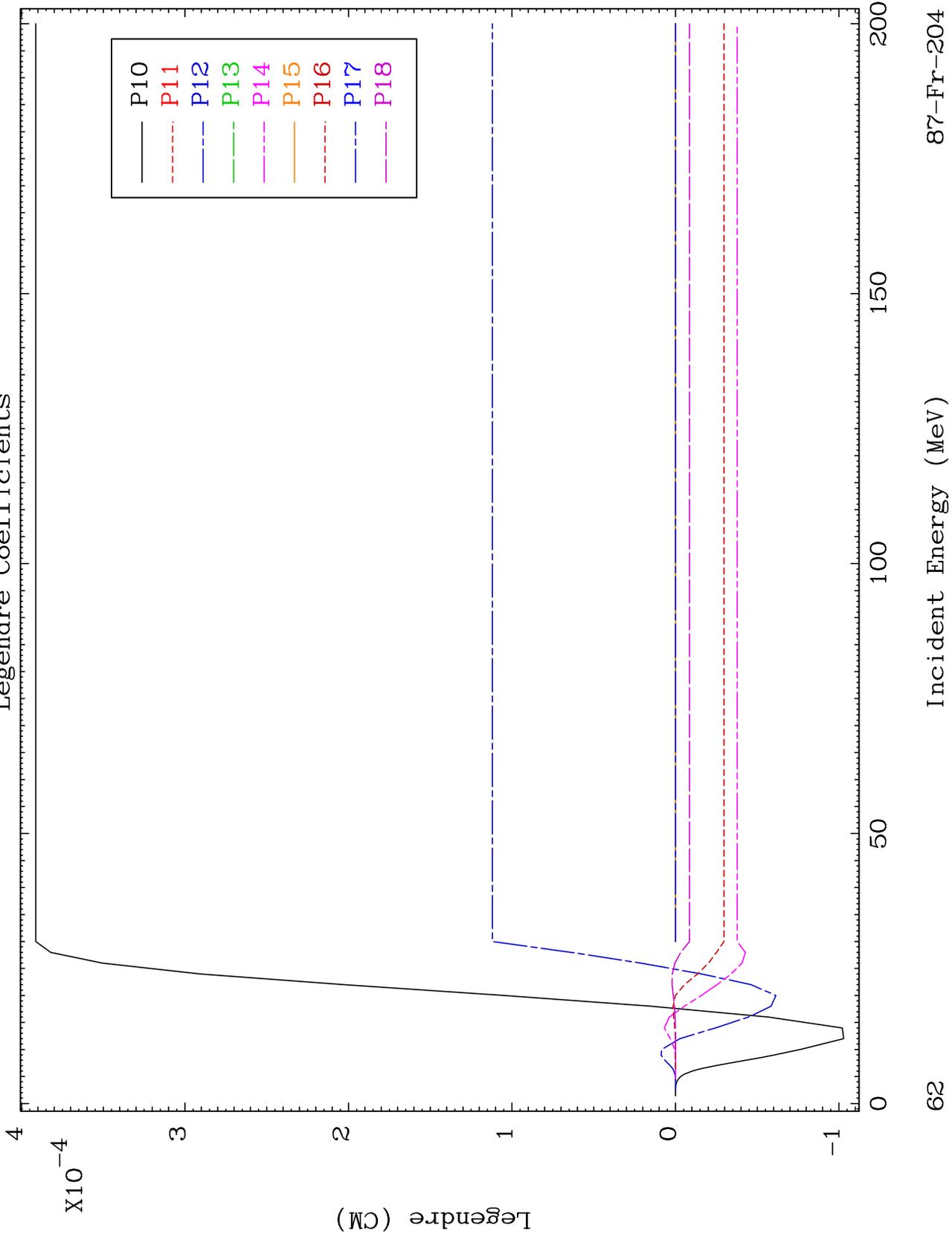
87-Fr-204



MAT 8701

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

87-Fr-204



87-Fr-204

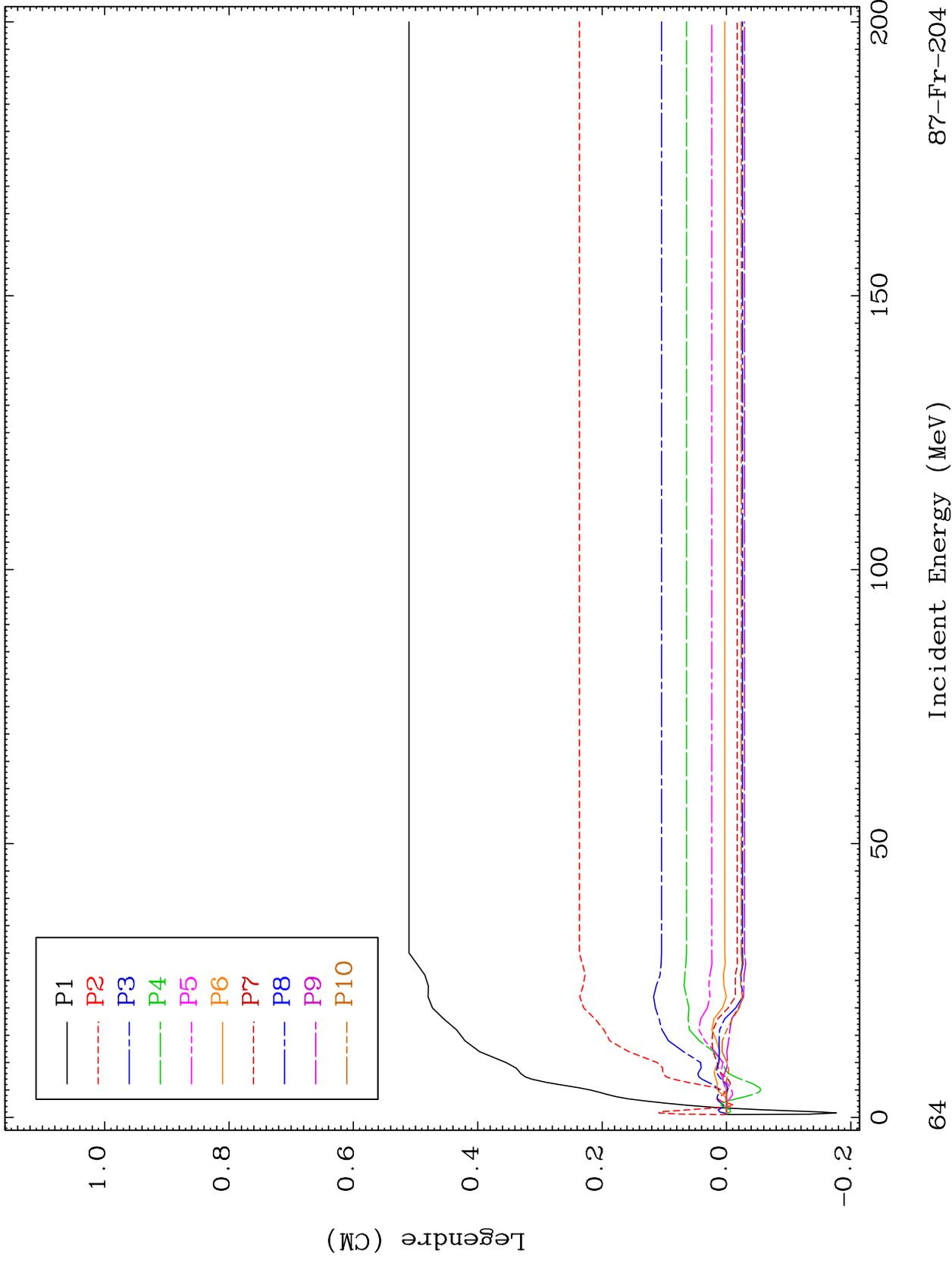
Incident Energy (MeV)

62

MAT 8701

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

87-Fr-204



64

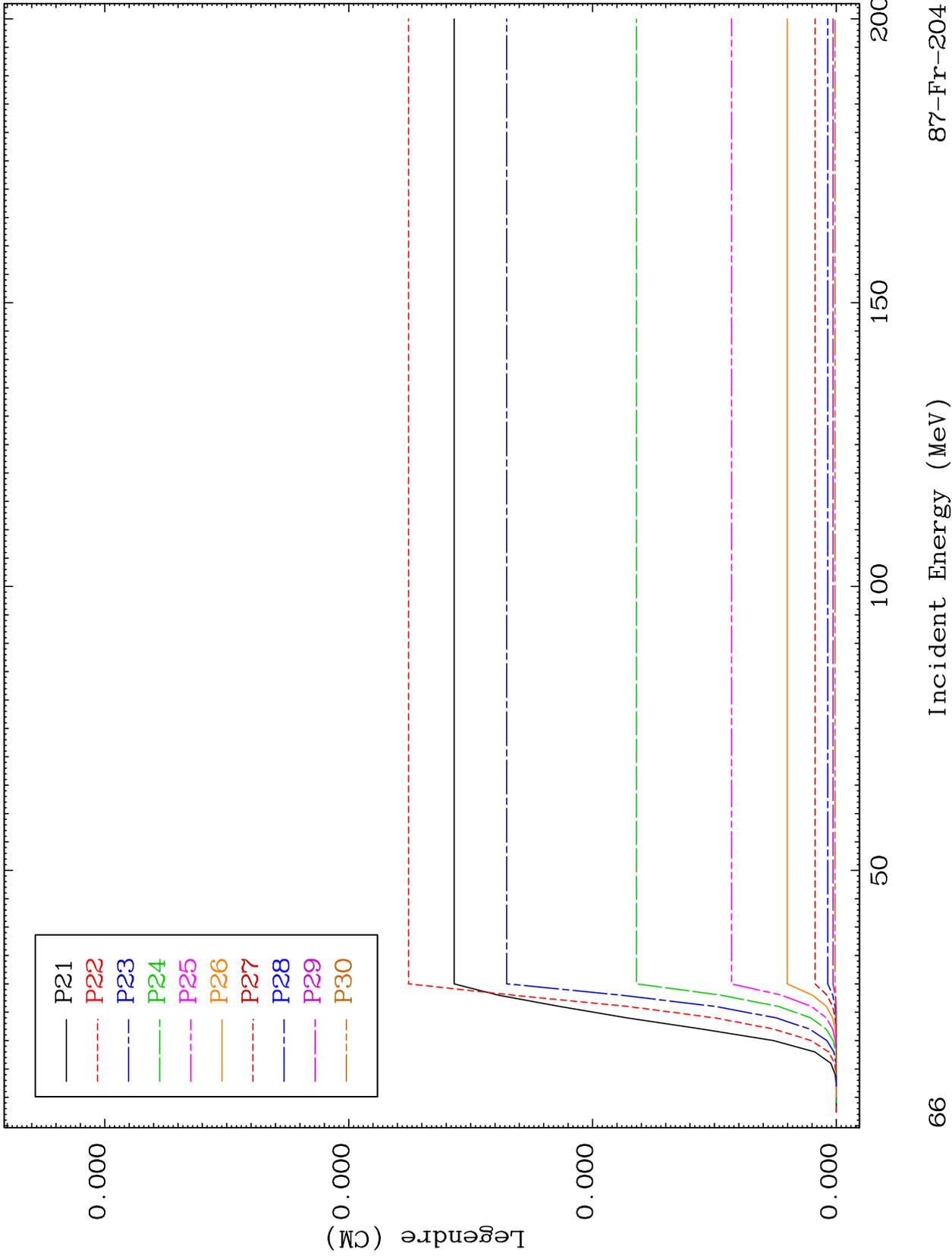
Incident Energy (MeV)

87-Fr-204

MAT 8701

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

87-Fr-204



66

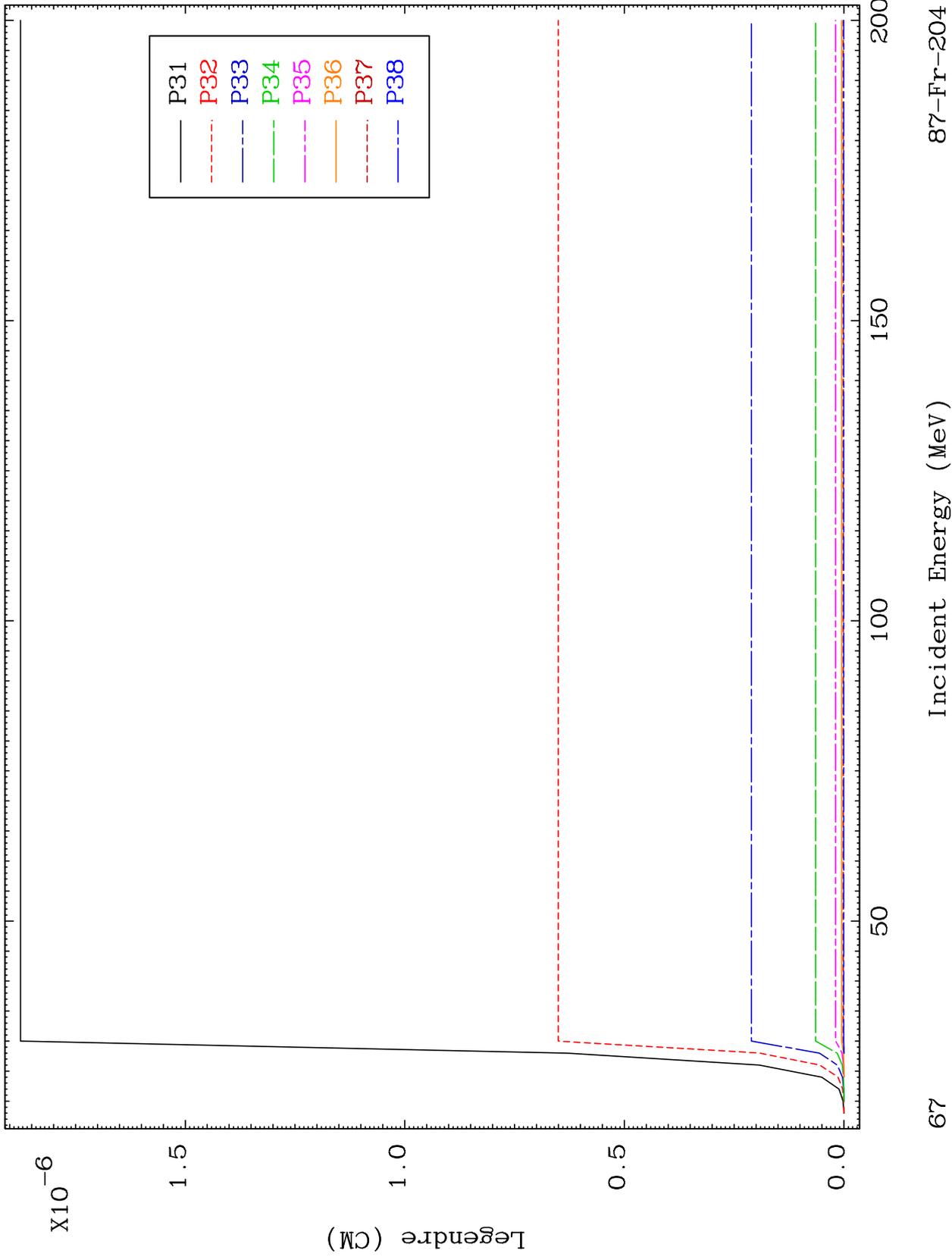
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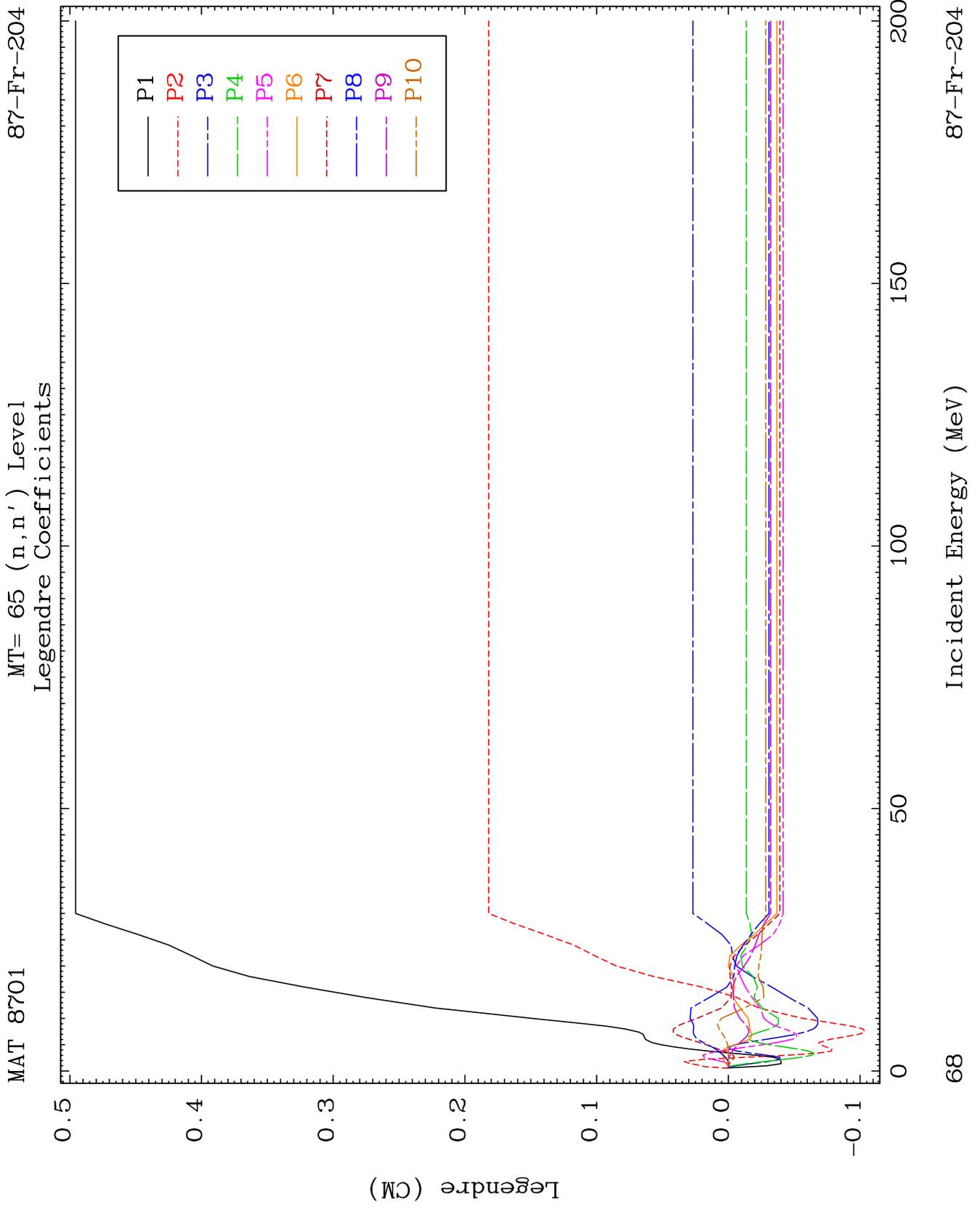
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MAT 8701

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

87-Fr-204

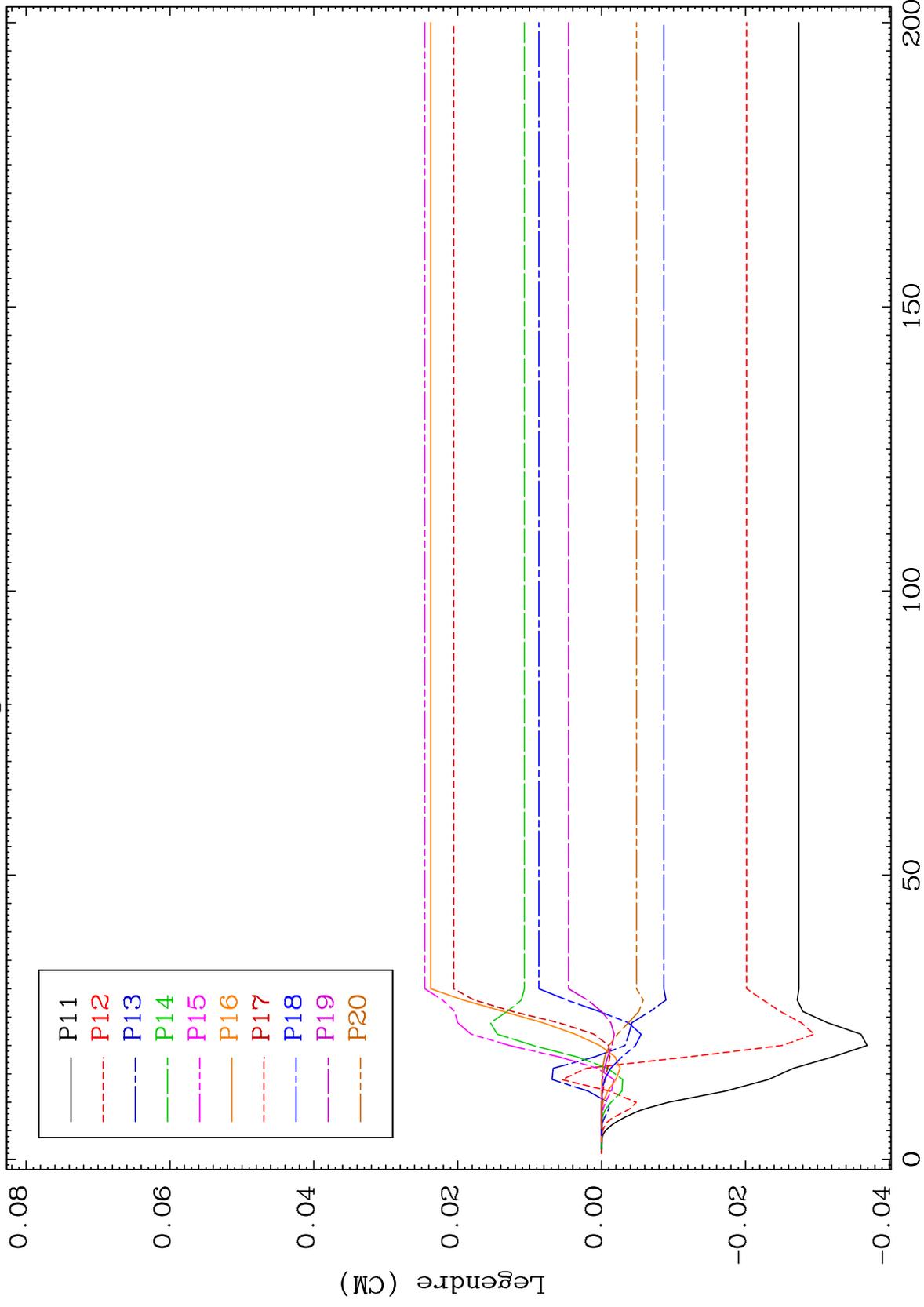




MAT 8701

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

87-Fr-204



69

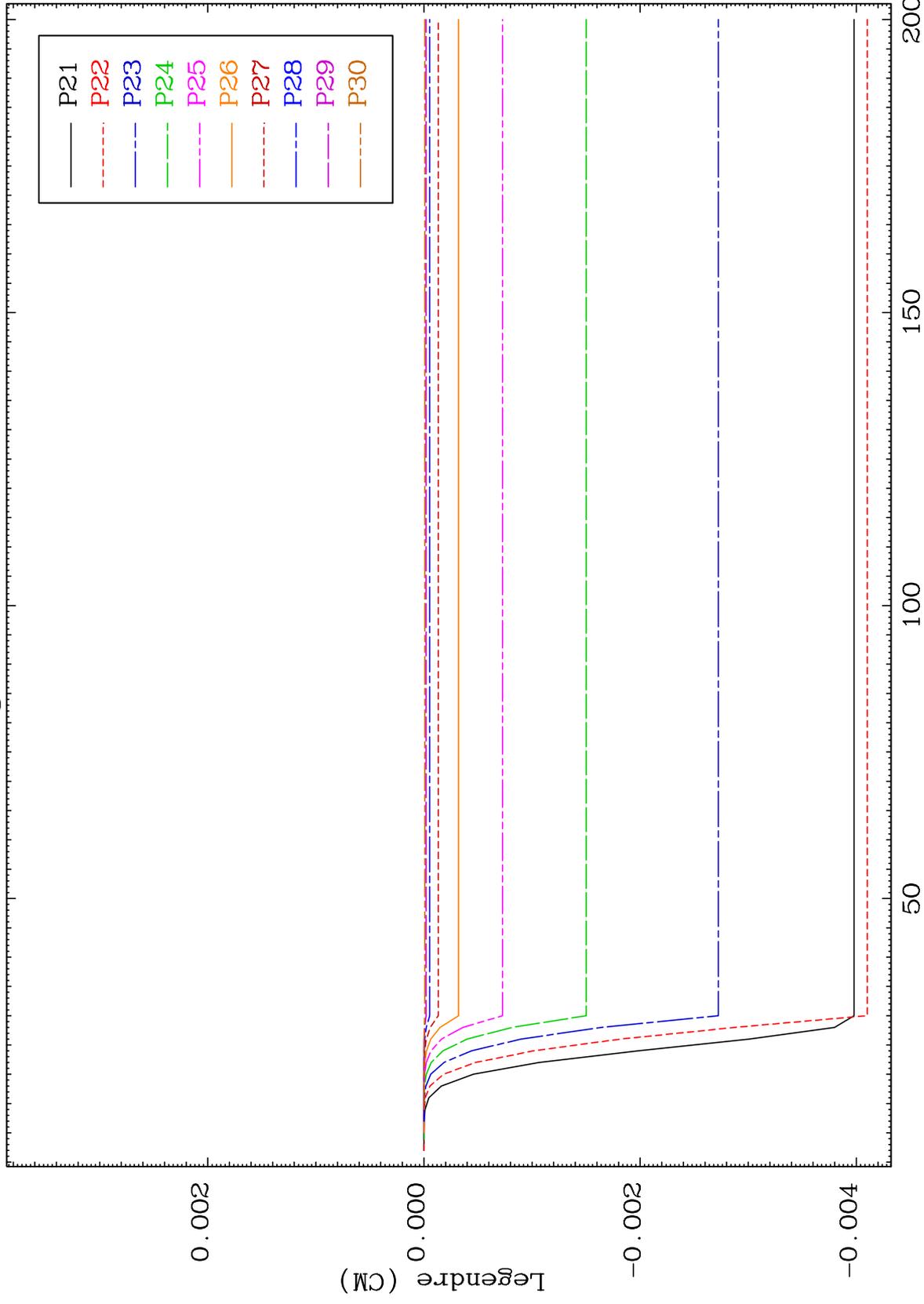
Incident Energy (MeV)

87-Fr-204

MAT 8701

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

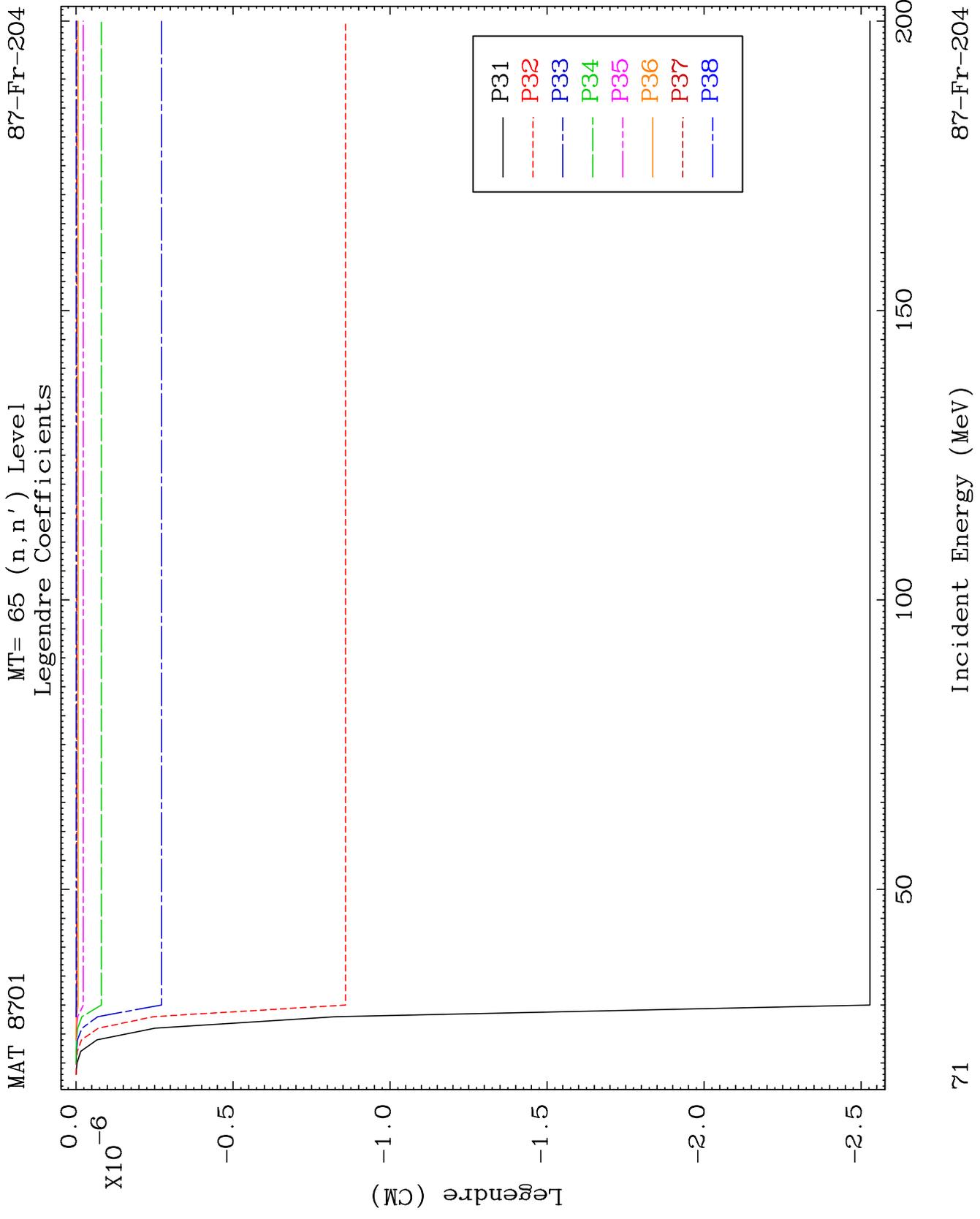
87-Fr-204



70

Incident Energy (MeV)

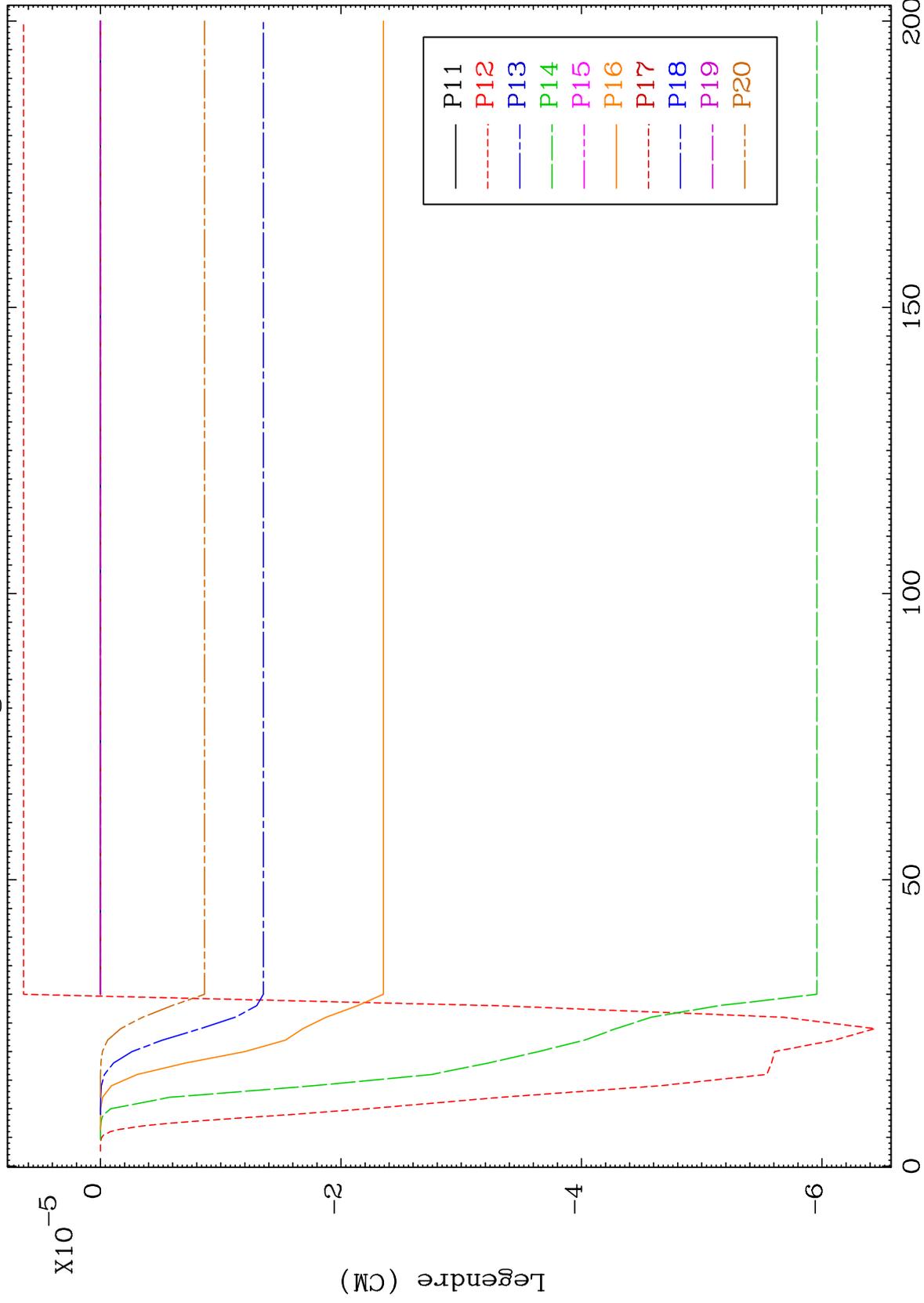
87-Fr-204



MAT 8701

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

87-Fr-204



73

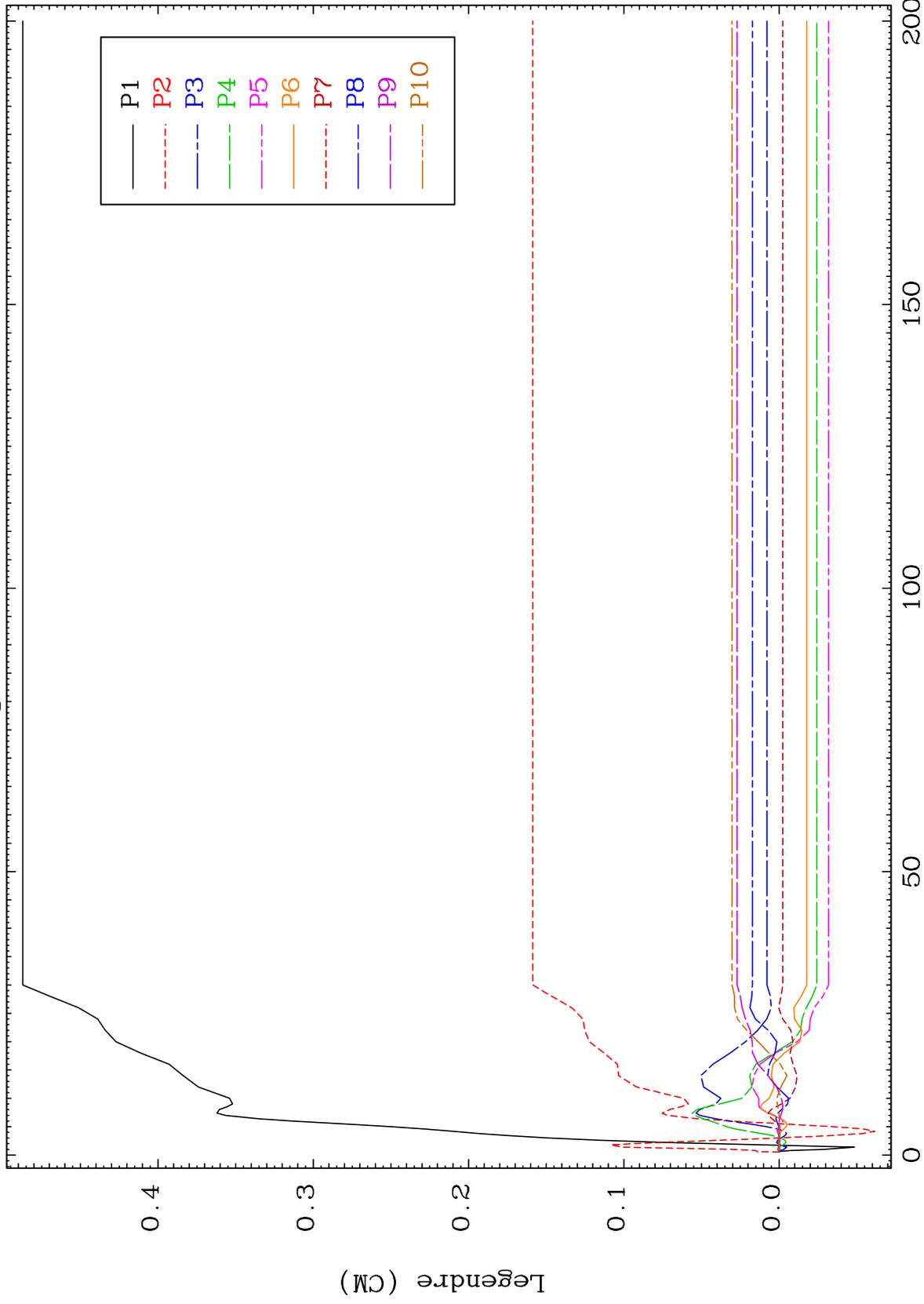
Incident Energy (MeV)

87-Fr-204

MAT 8701

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

87-Fr-204



75

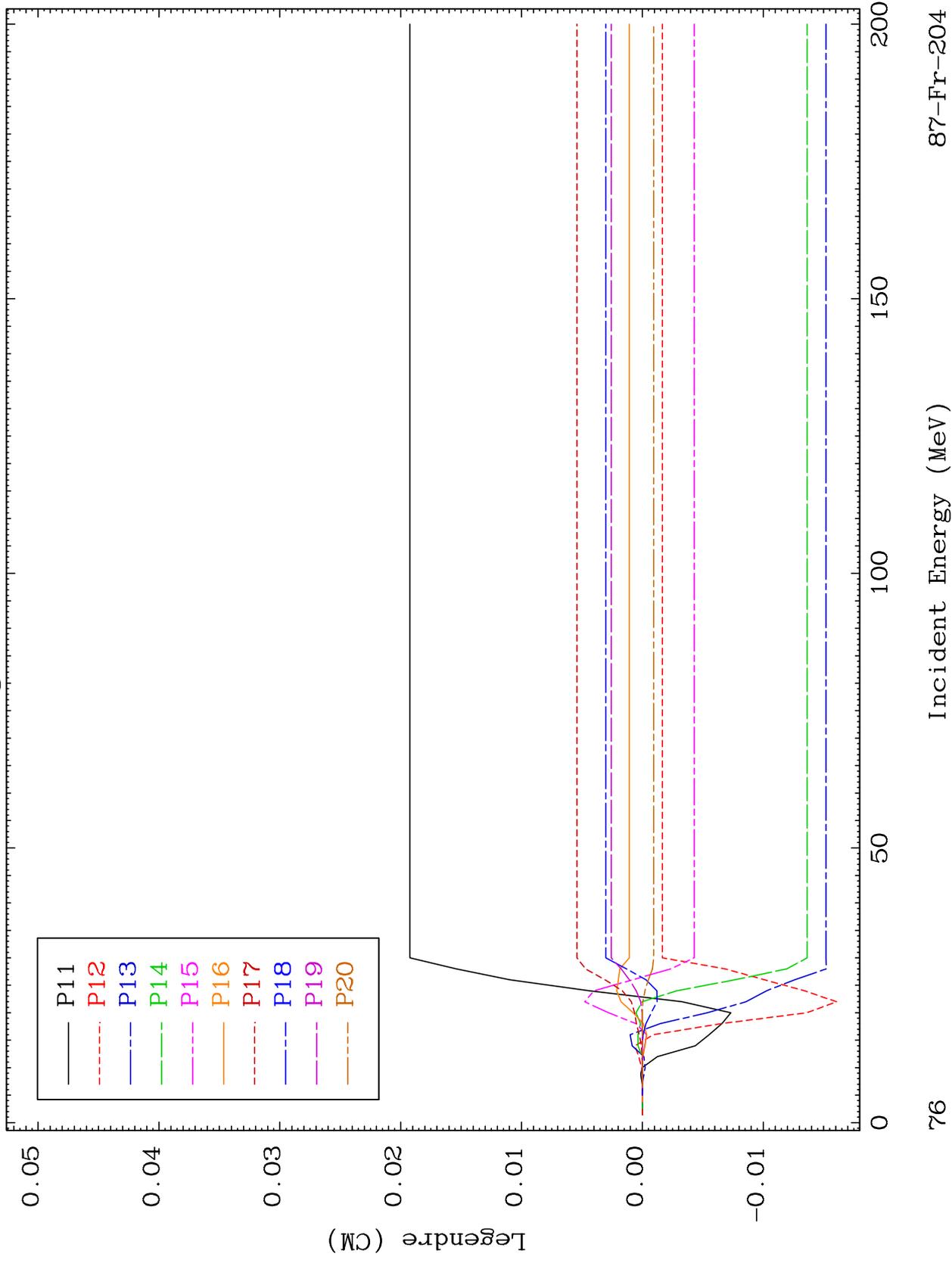
Incident Energy (MeV)

87-Fr-204

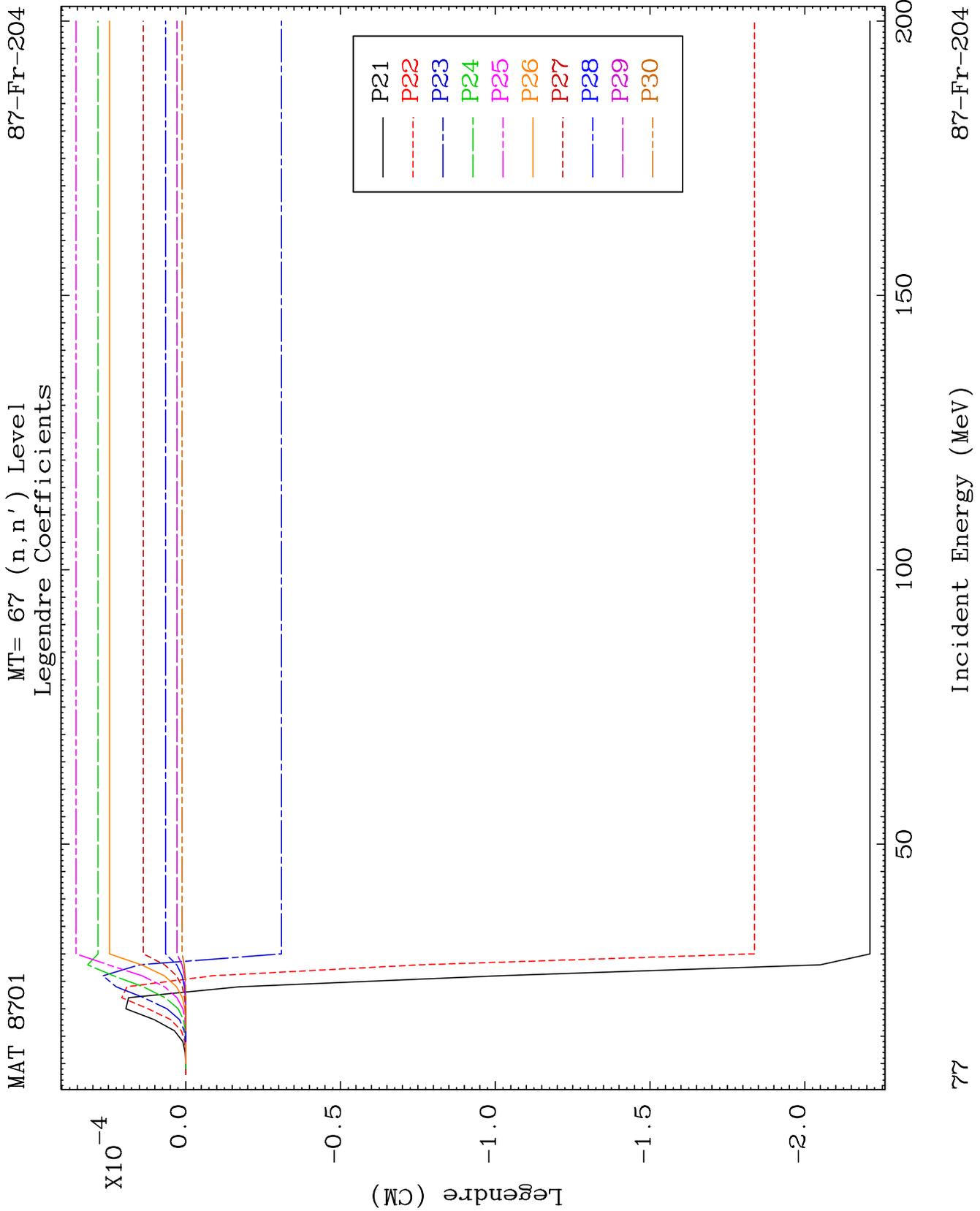
MAT 8701

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

87-Fr-204



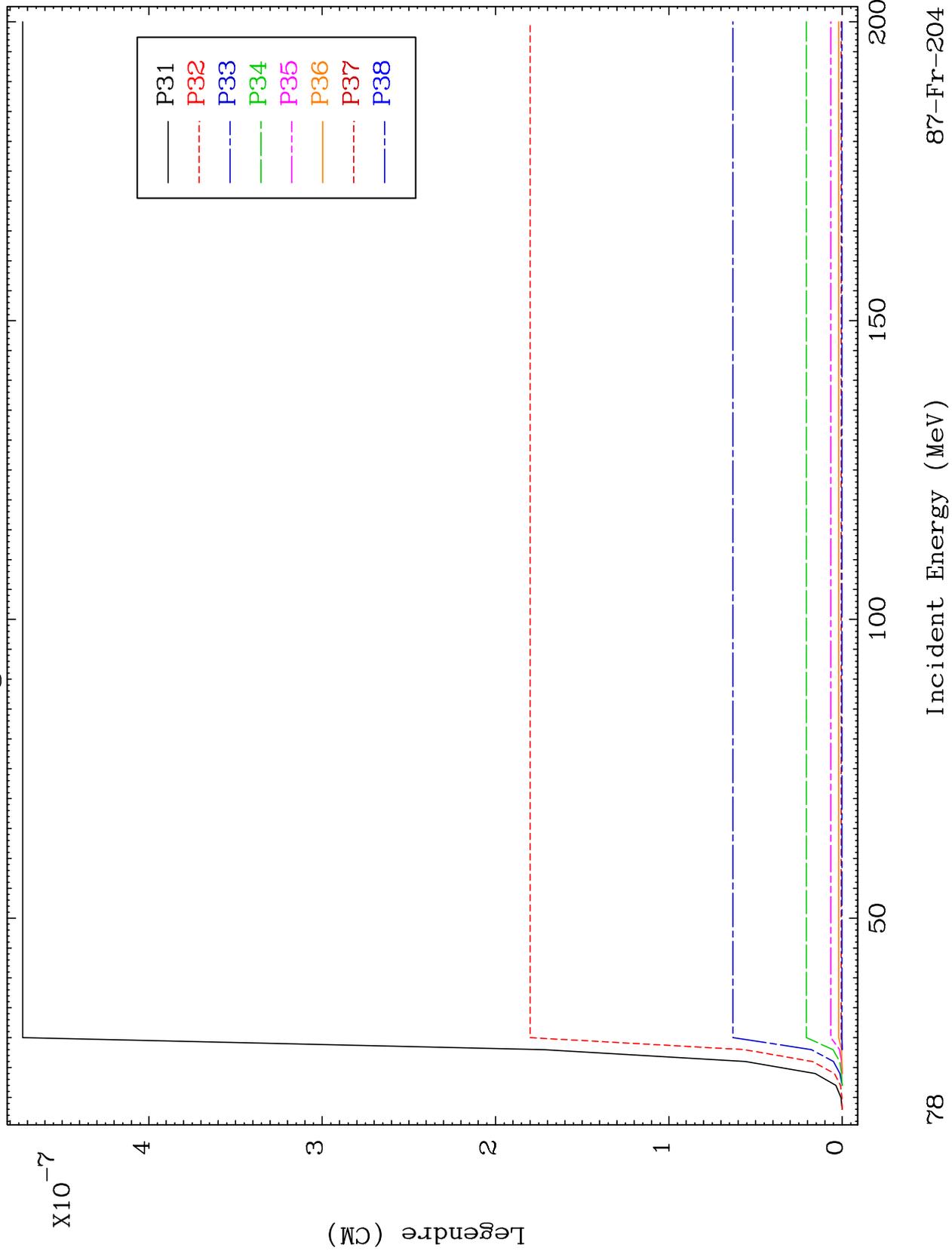
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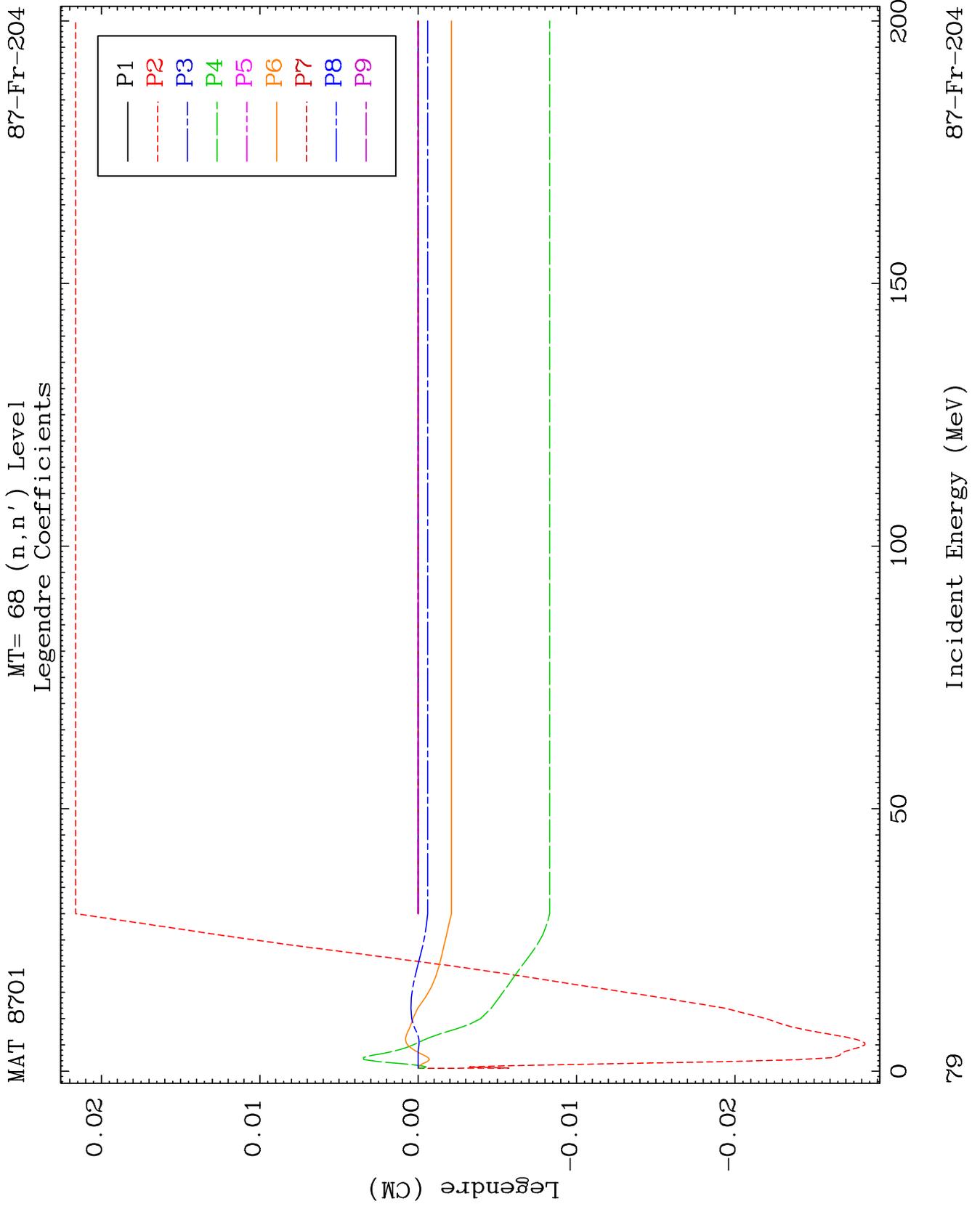


MAT 8701

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

87-Fr-204

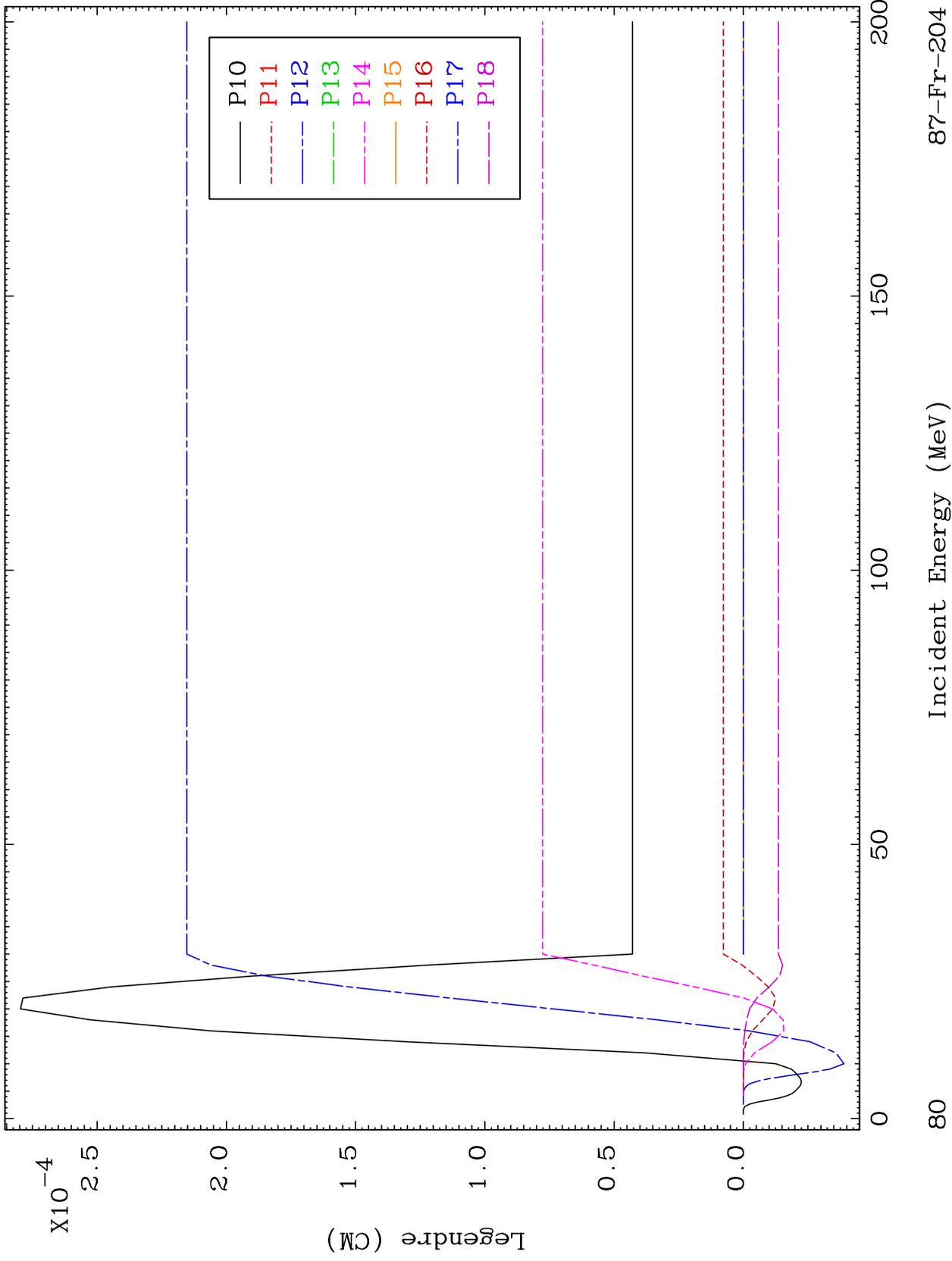




MAT 8701

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

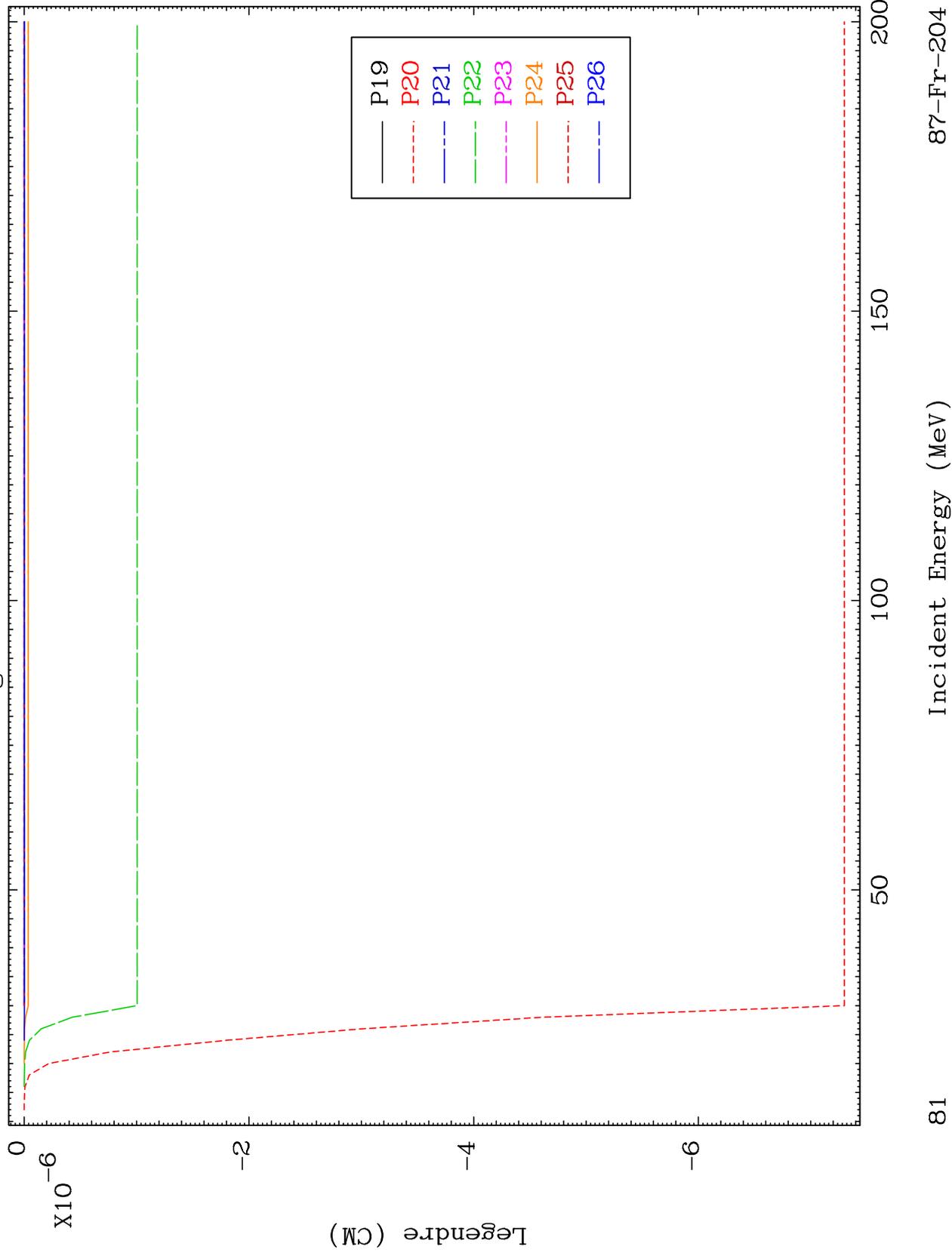
87-Fr-204



MAT 8701

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

87-Fr-204



81

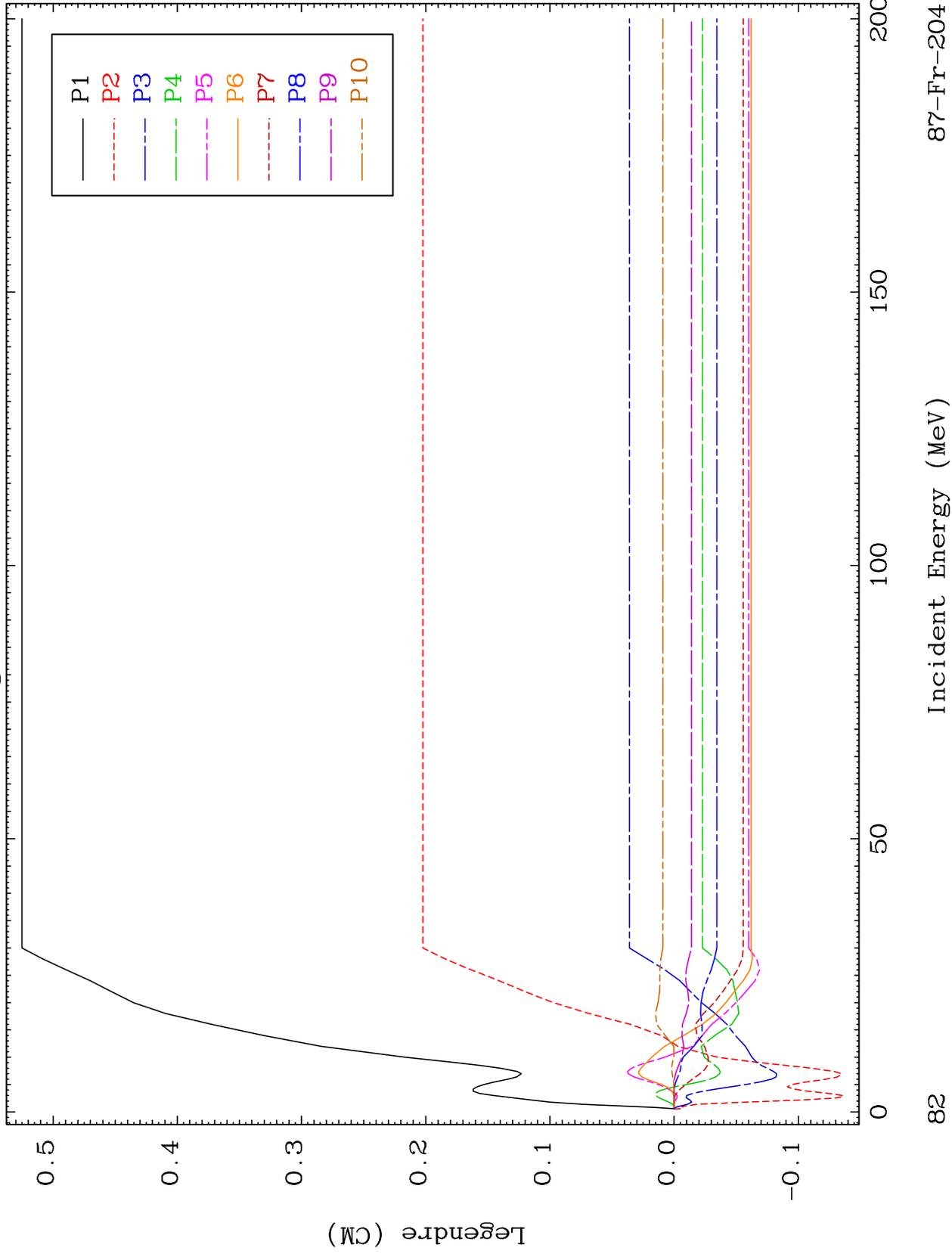
Incident Energy (MeV)

87-Fr-204

MAT 8701

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

87-Fr-204



87-Fr-204

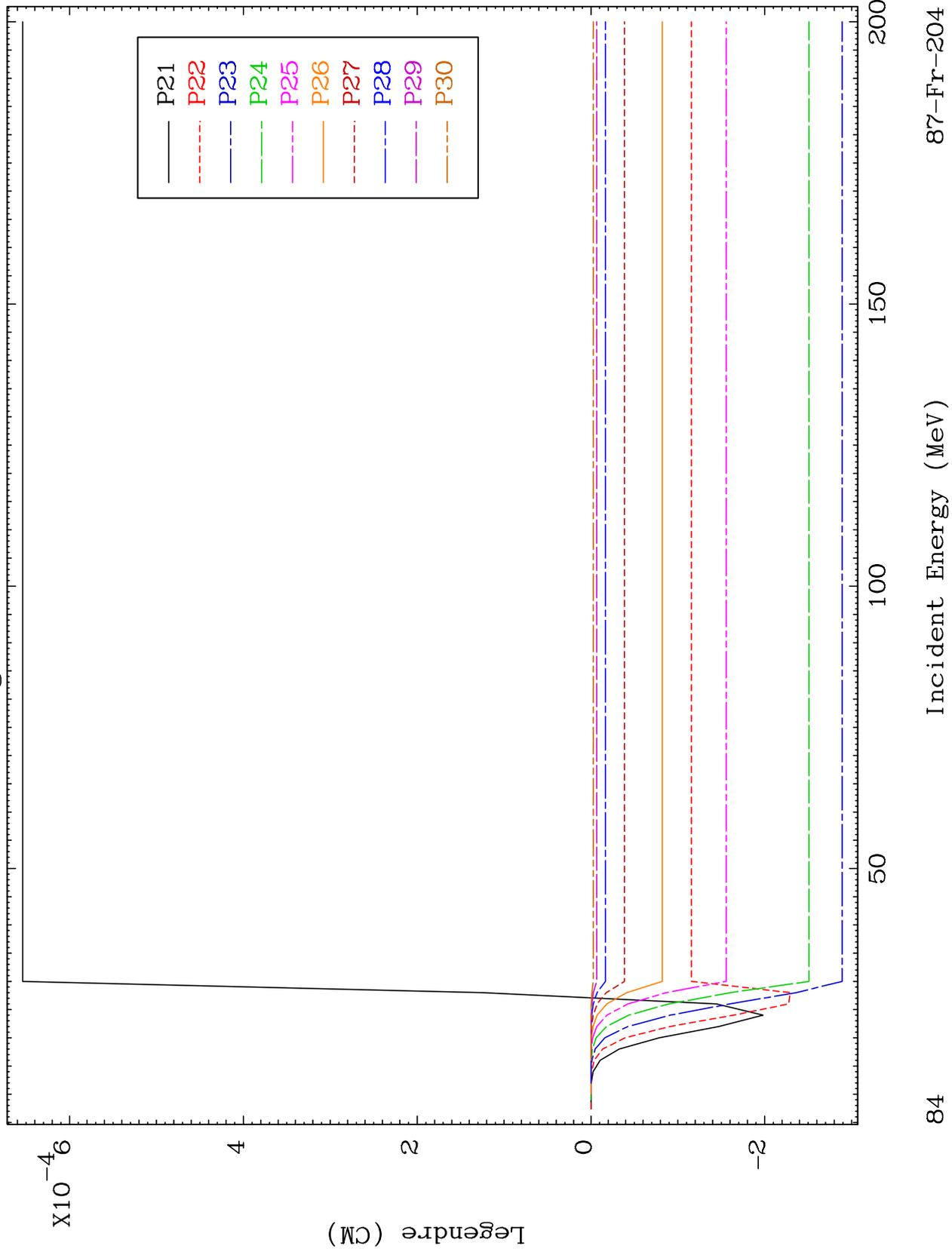
Incident Energy (MeV)

82

MAT 8701

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

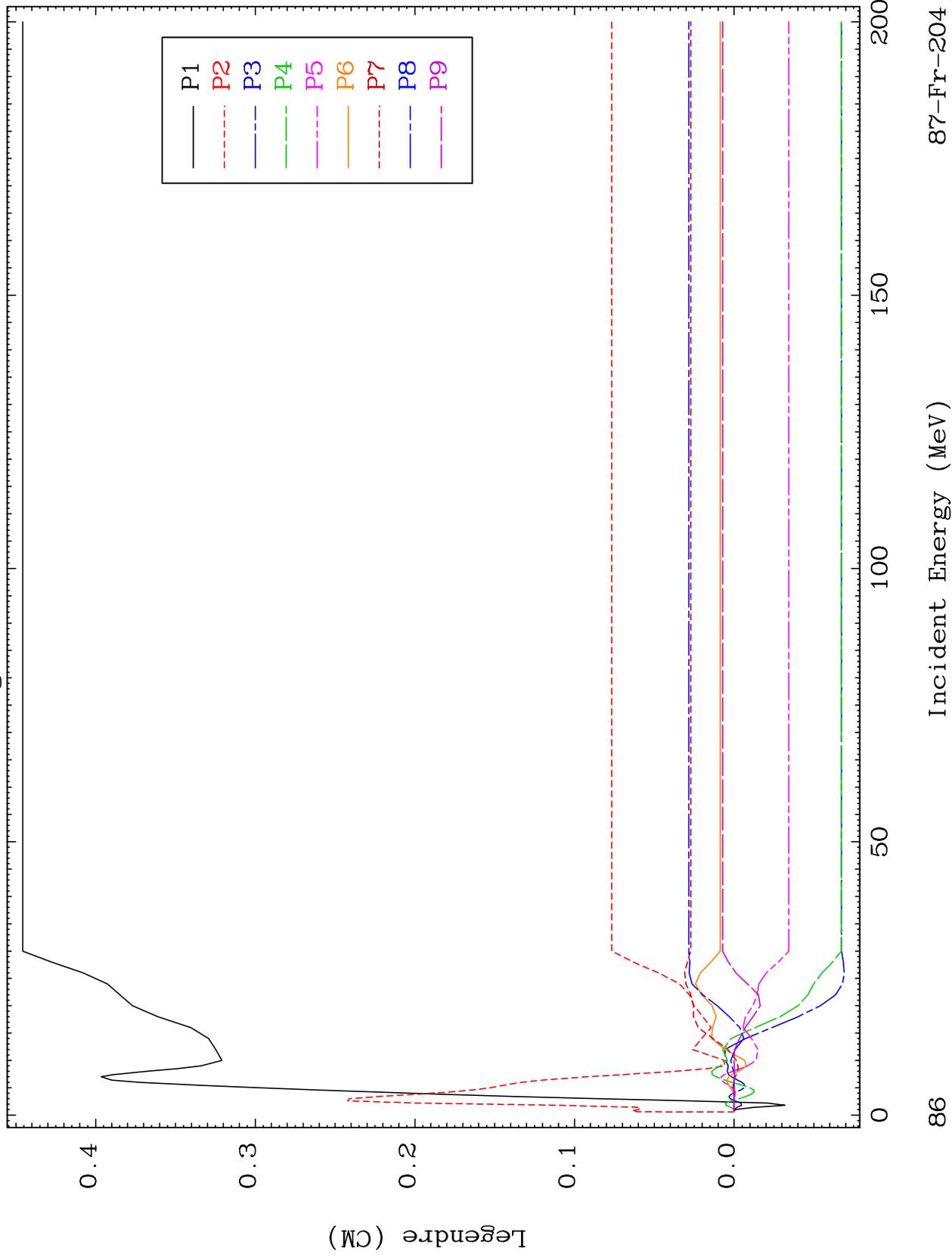
87-Fr-204



MAT 8701

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

87-Fr-204



87-Fr-204

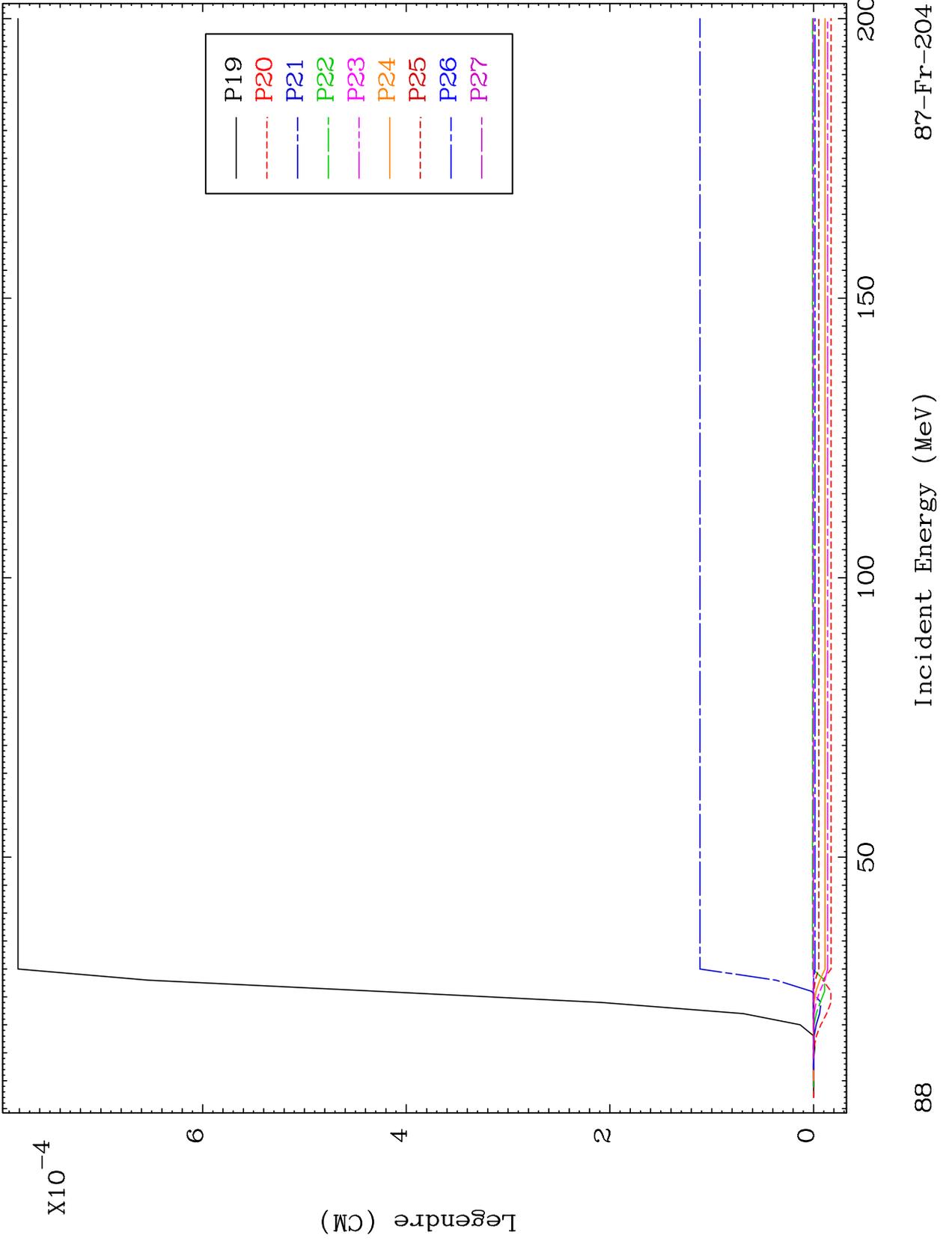
Incident Energy (MeV)

86

MAT 8701

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

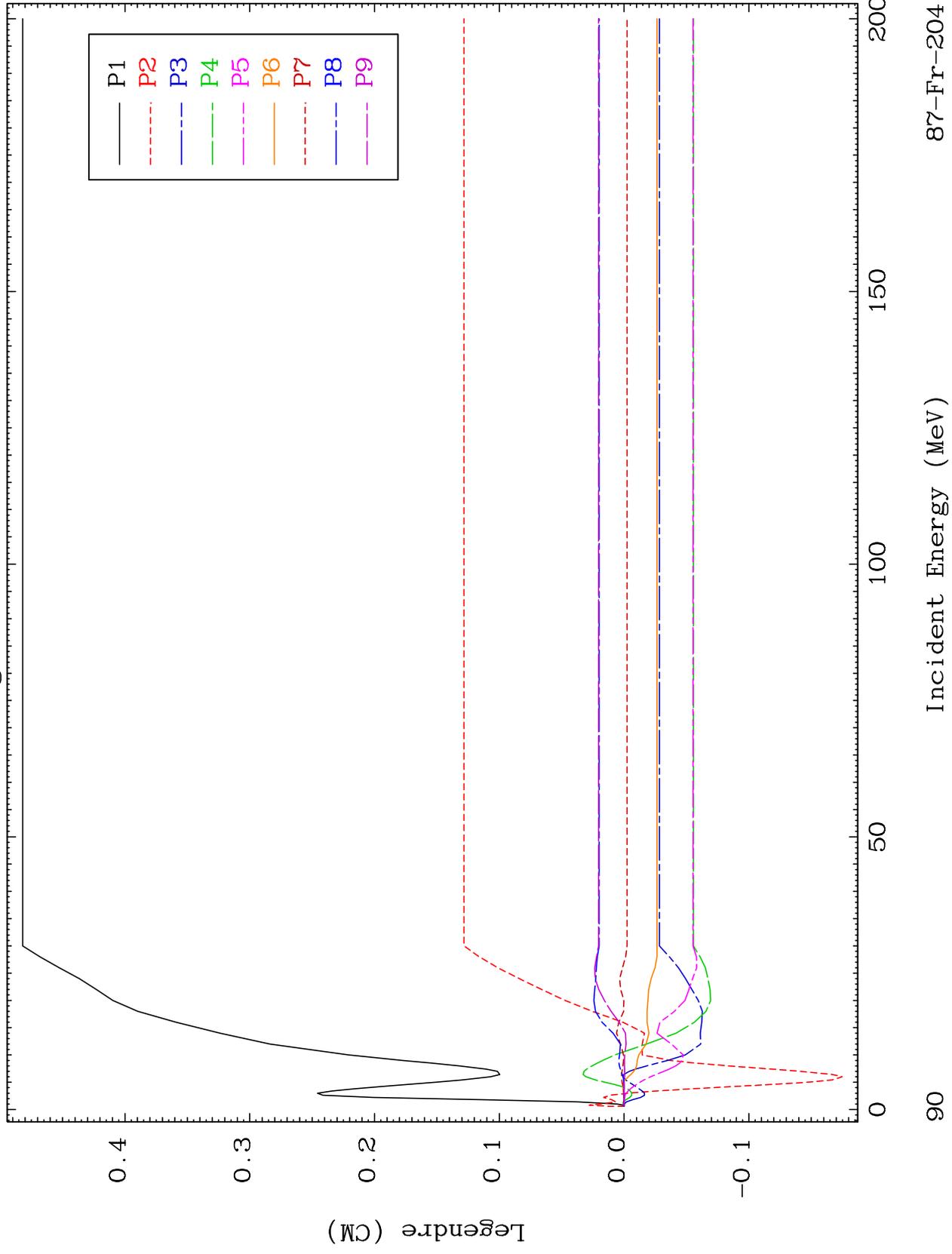
87-Fr-204



MAT 8701

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

87-Fr-204



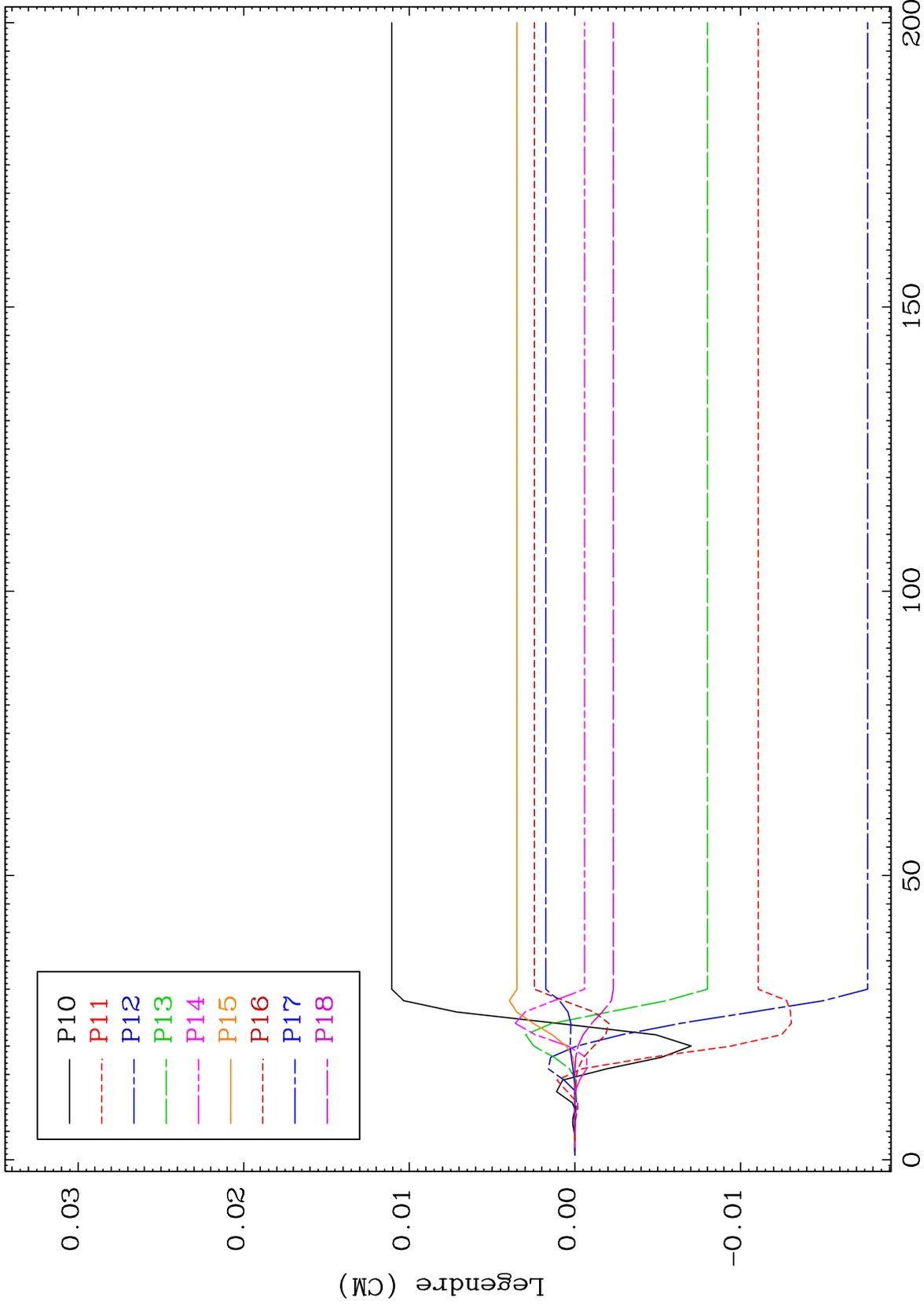
87-Fr-204

Incident Energy (MeV)

MAT 8701

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

87-Fr-204



91

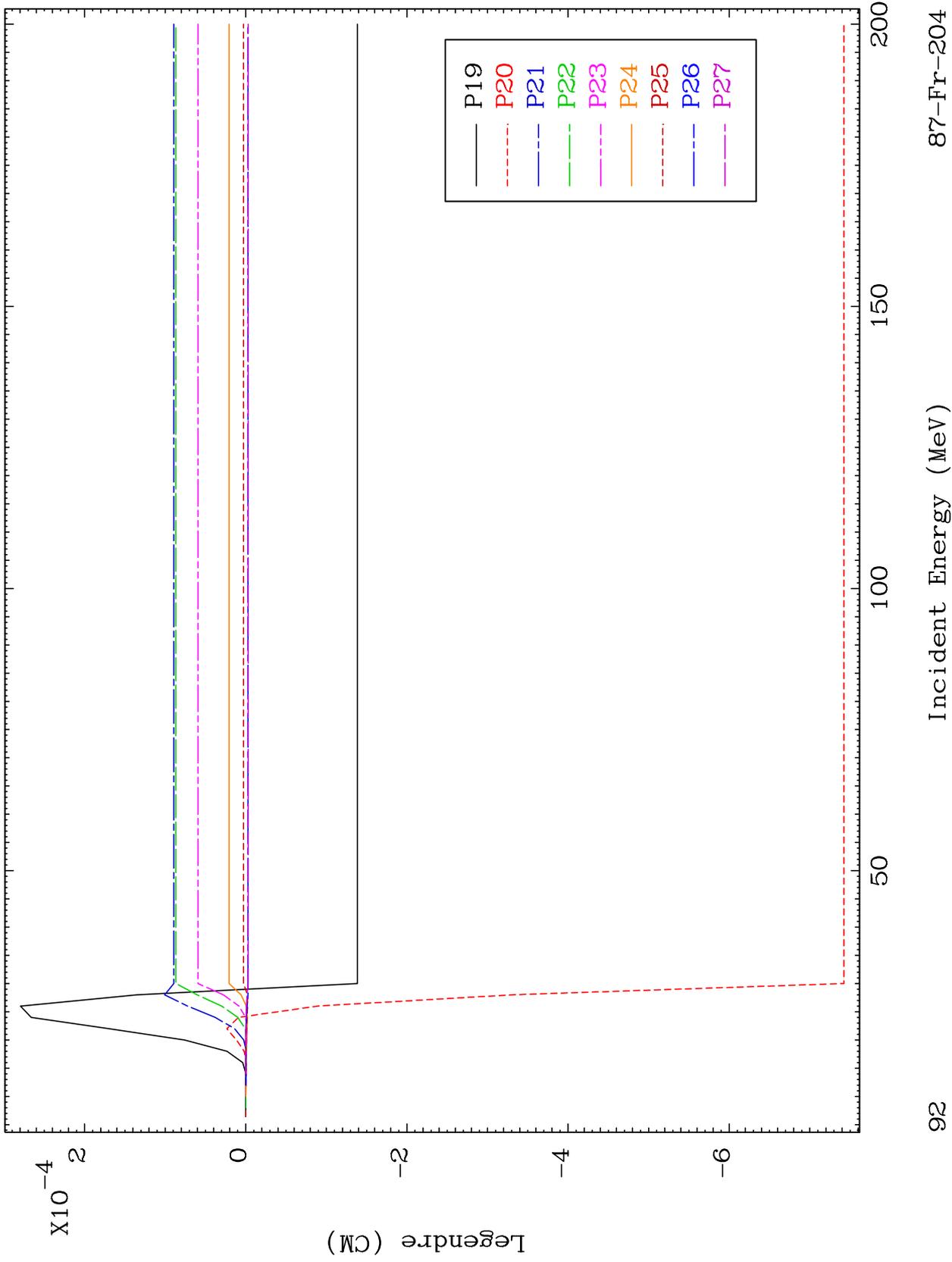
Incident Energy (MeV)

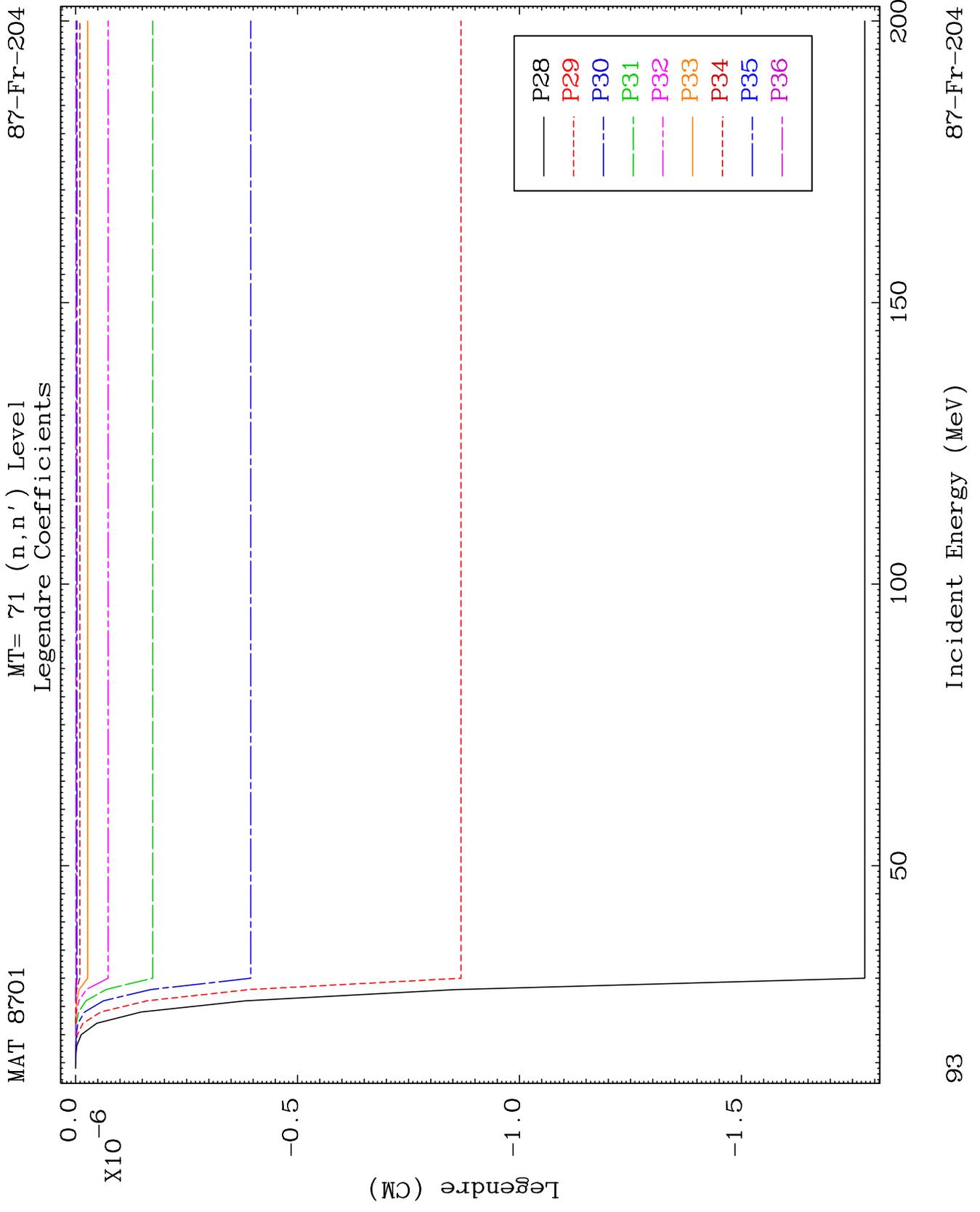
87-Fr-204

MAT 8701

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

87-Fr-204

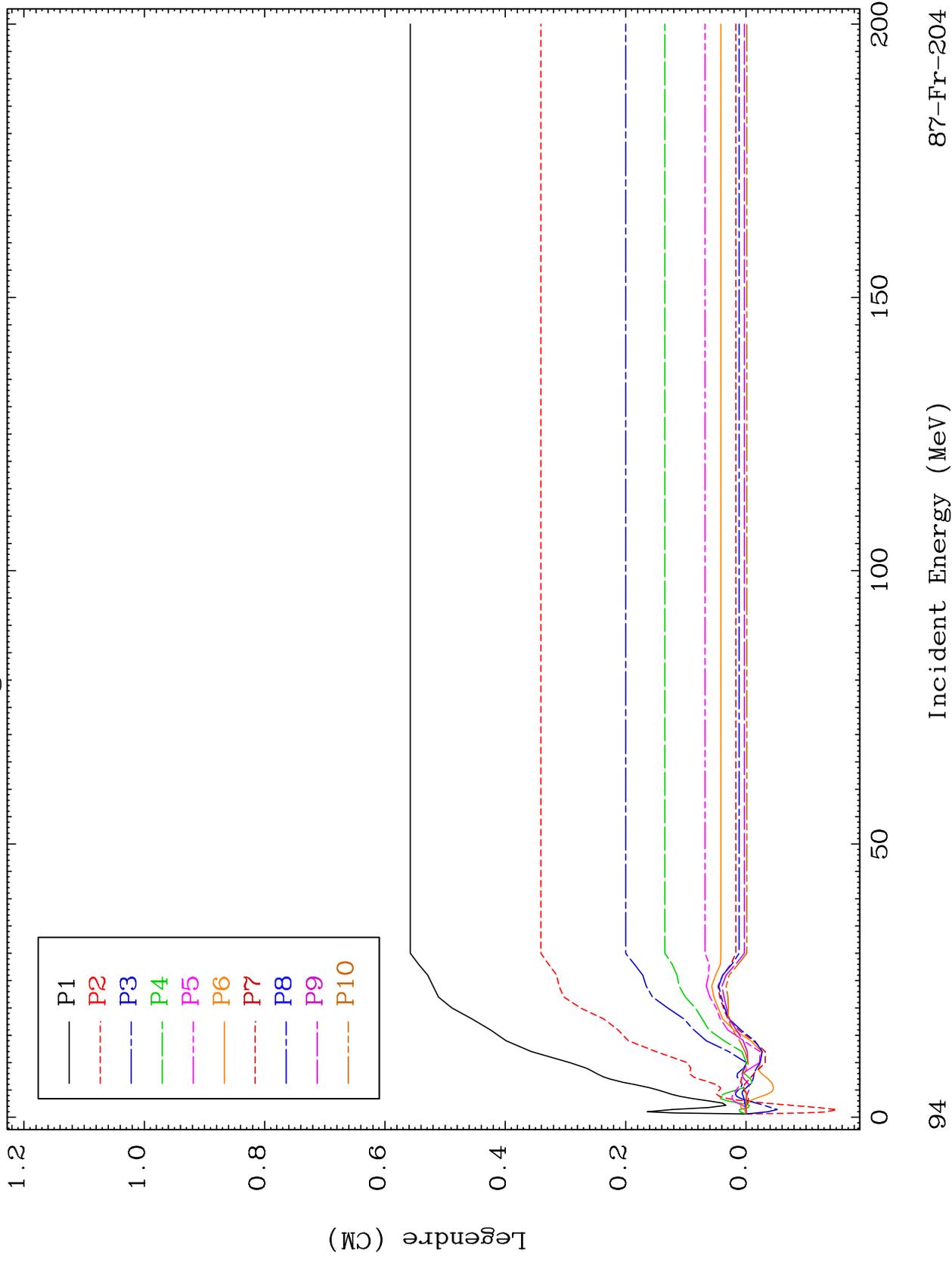




MAT 8701

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

87-Fr-204



94

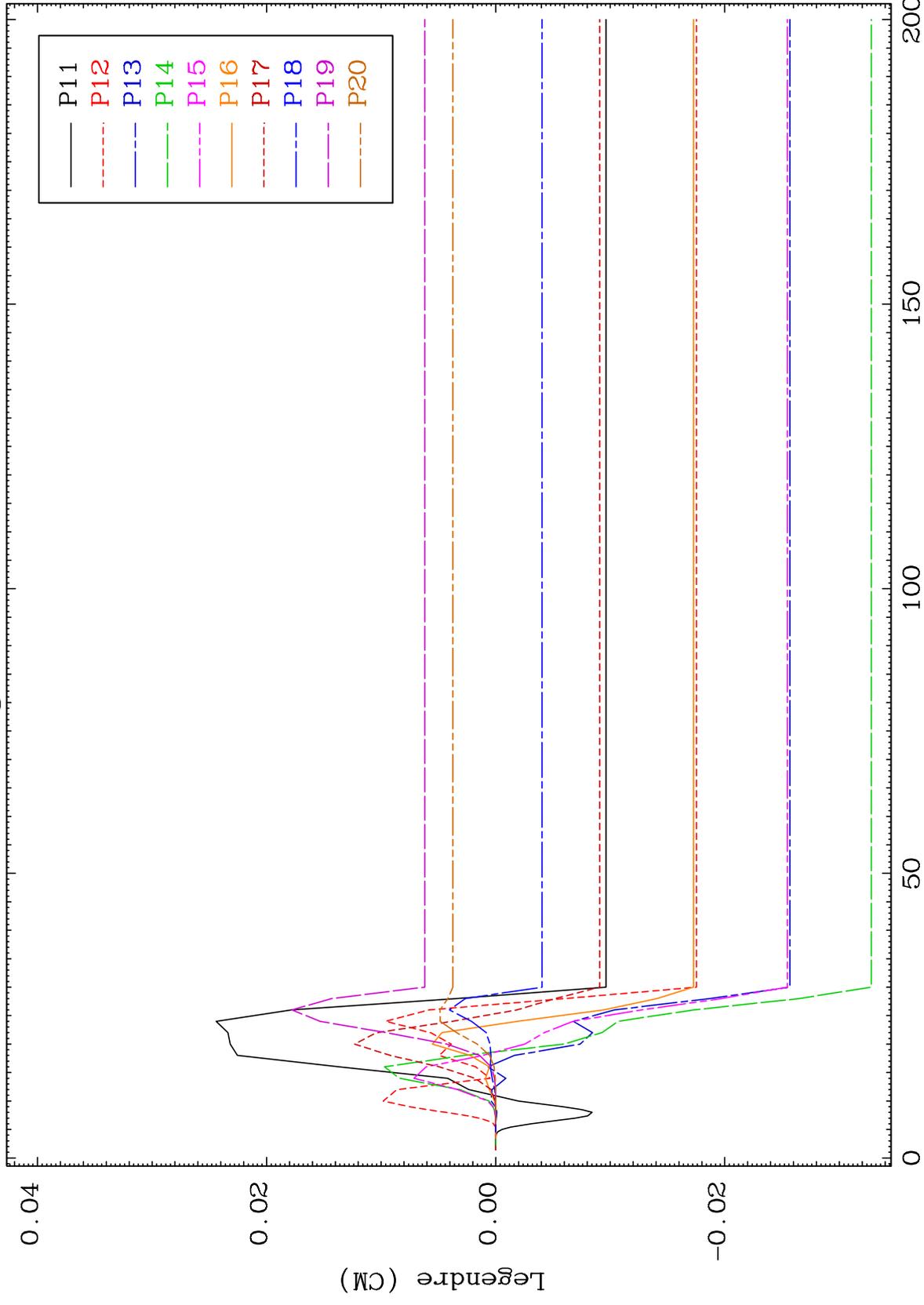
Incident Energy (MeV)

87-Fr-204

MAT 8701

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

87-Fr-204



95

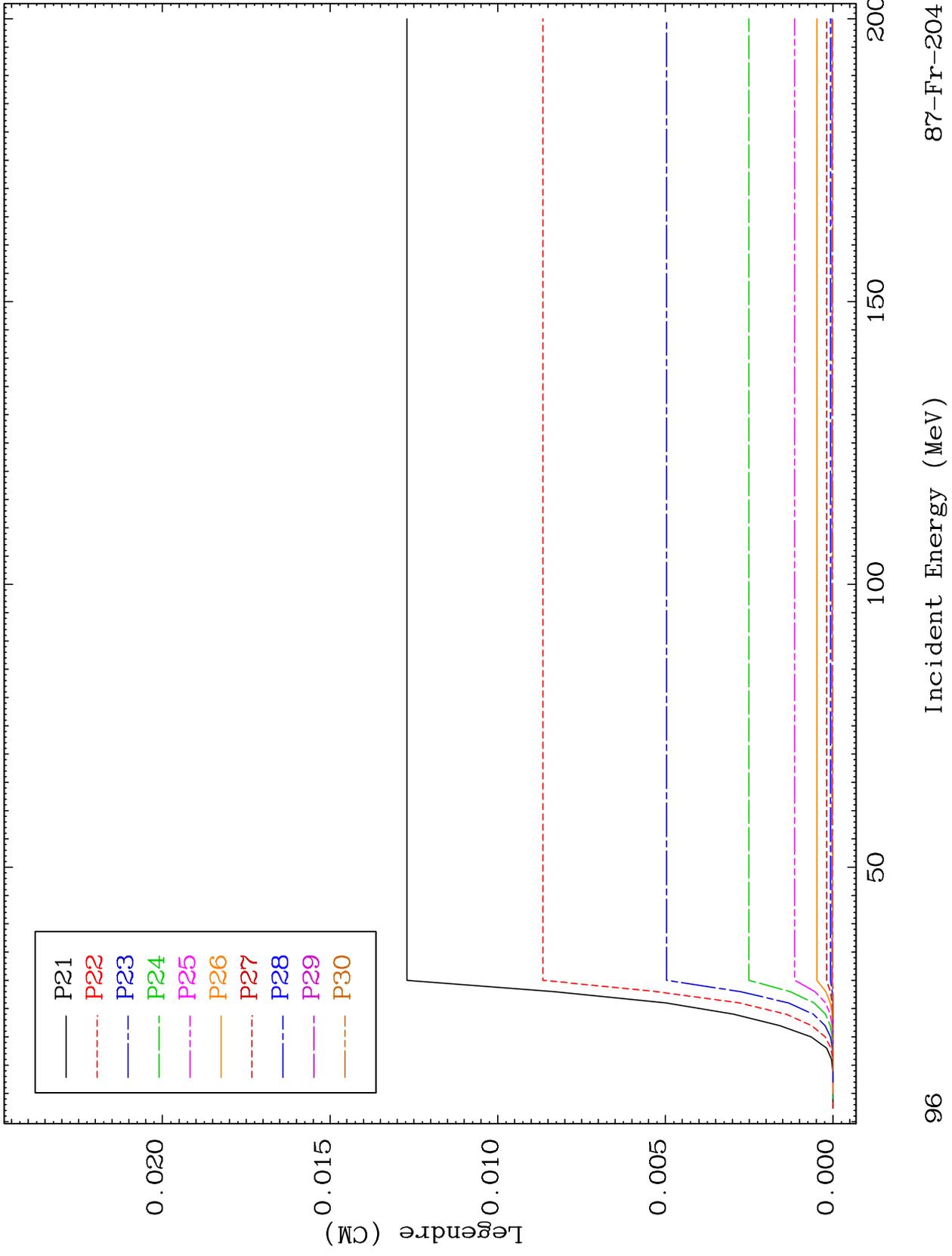
Incident Energy (MeV)

87-Fr-204

MAT 8701

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

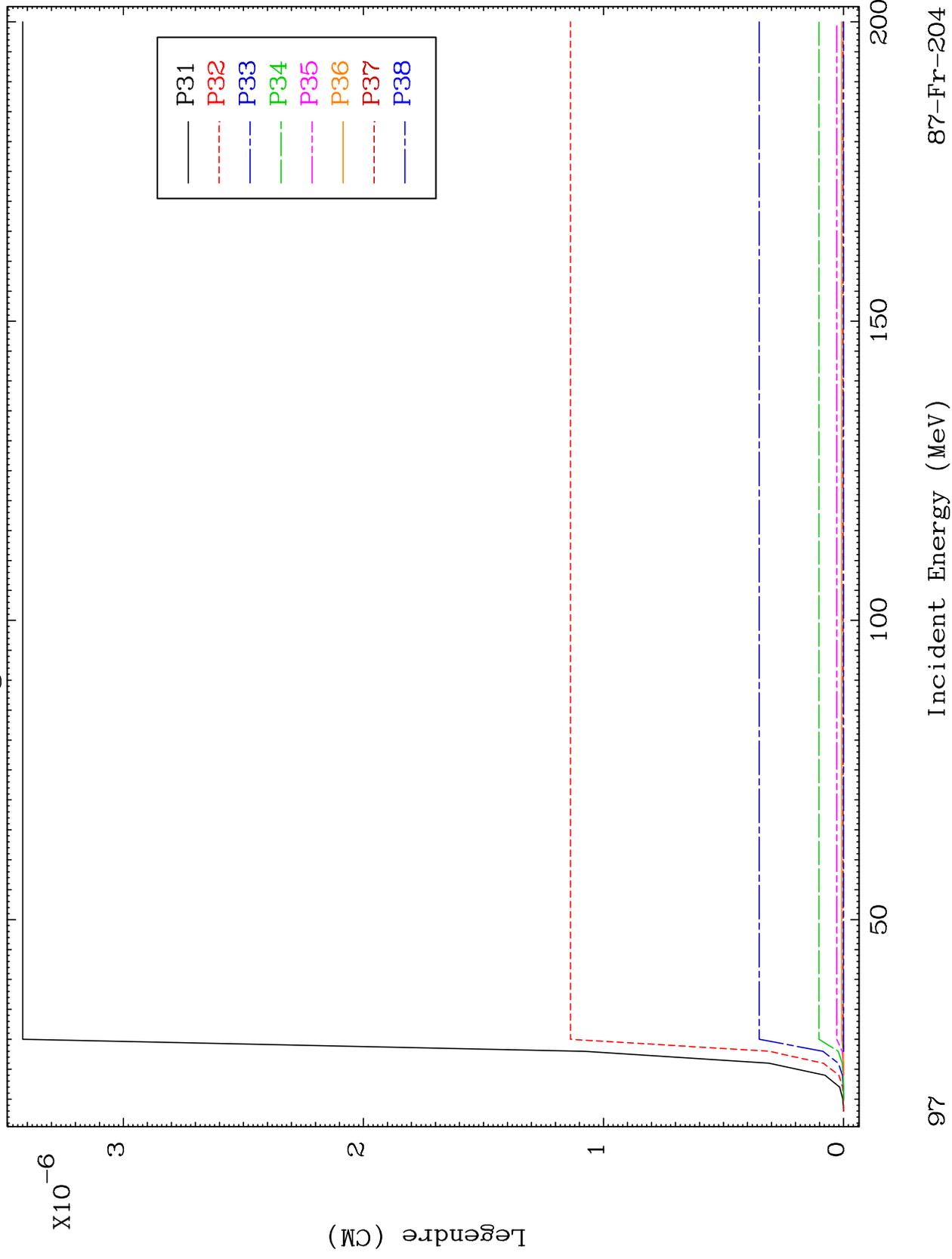
87-Fr-204



MAT 8701

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

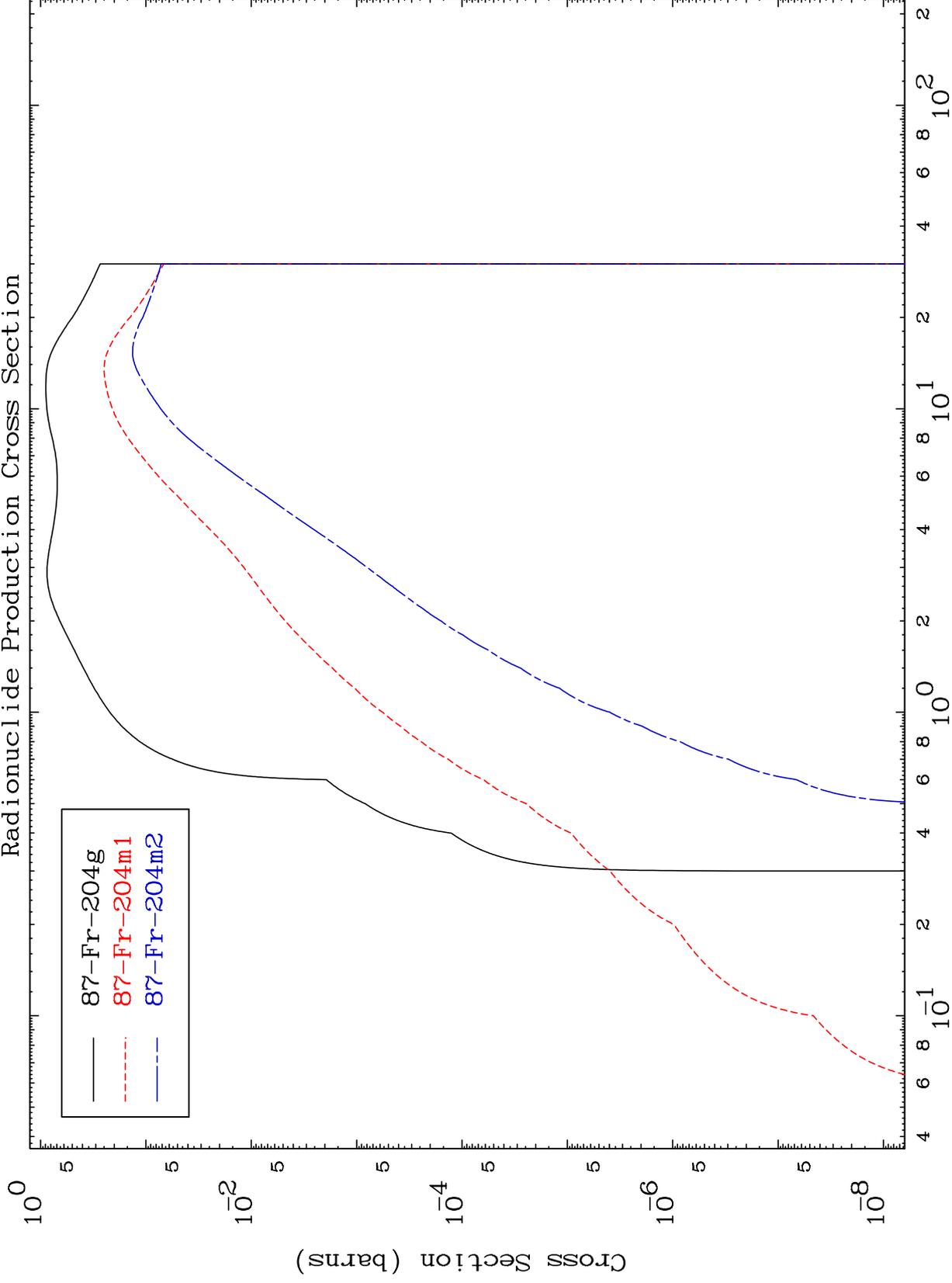
87-Fr-204



MAT 8701

87-Fr-204

Inelastic
Radionuclide Production Cross Section



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

98

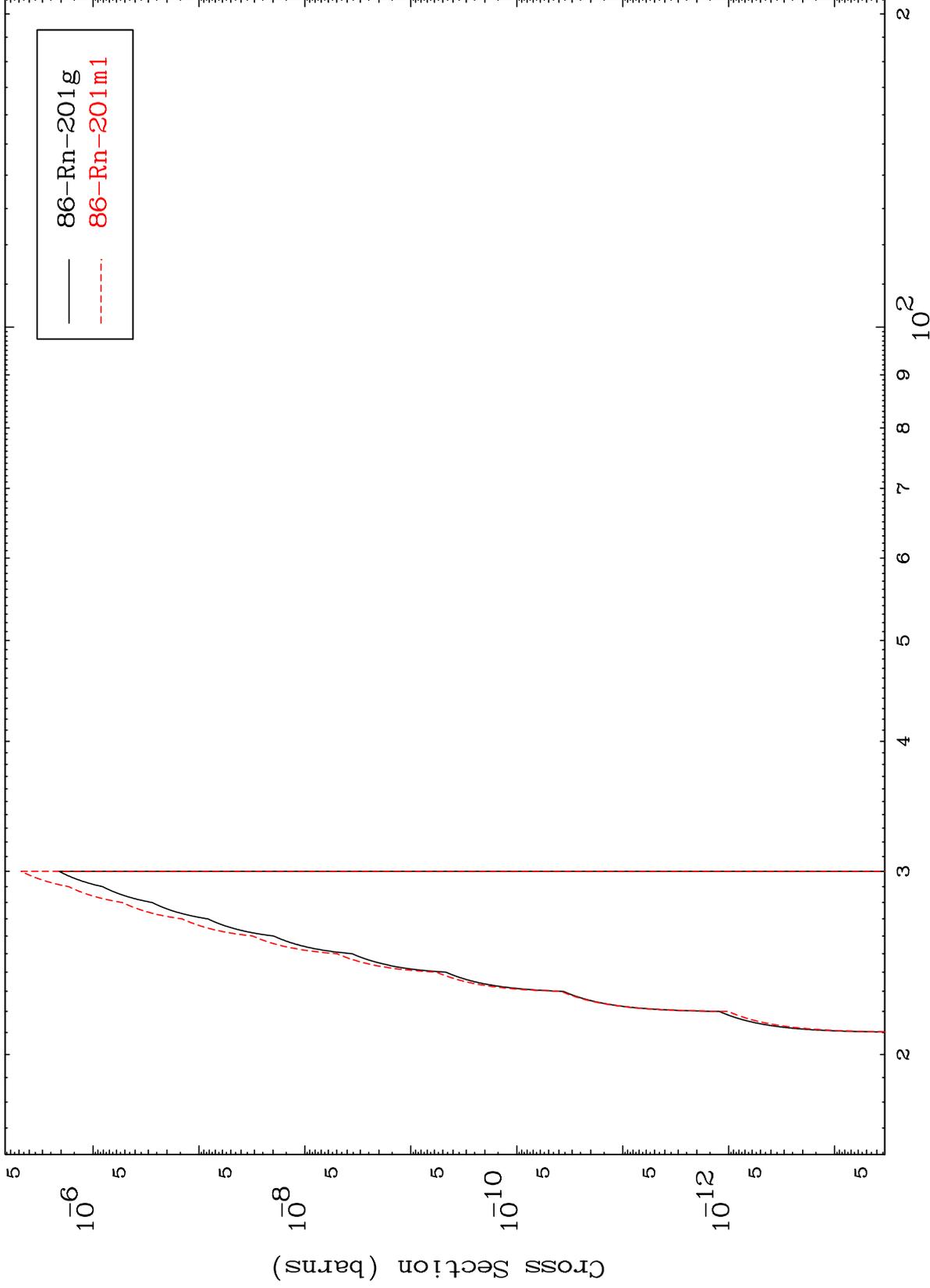
87-Fr-204

MAT 8701

(n,2n) d

87-Fr-204

Radionuclide Production Cross Section



99

Incident Energy (MeV)

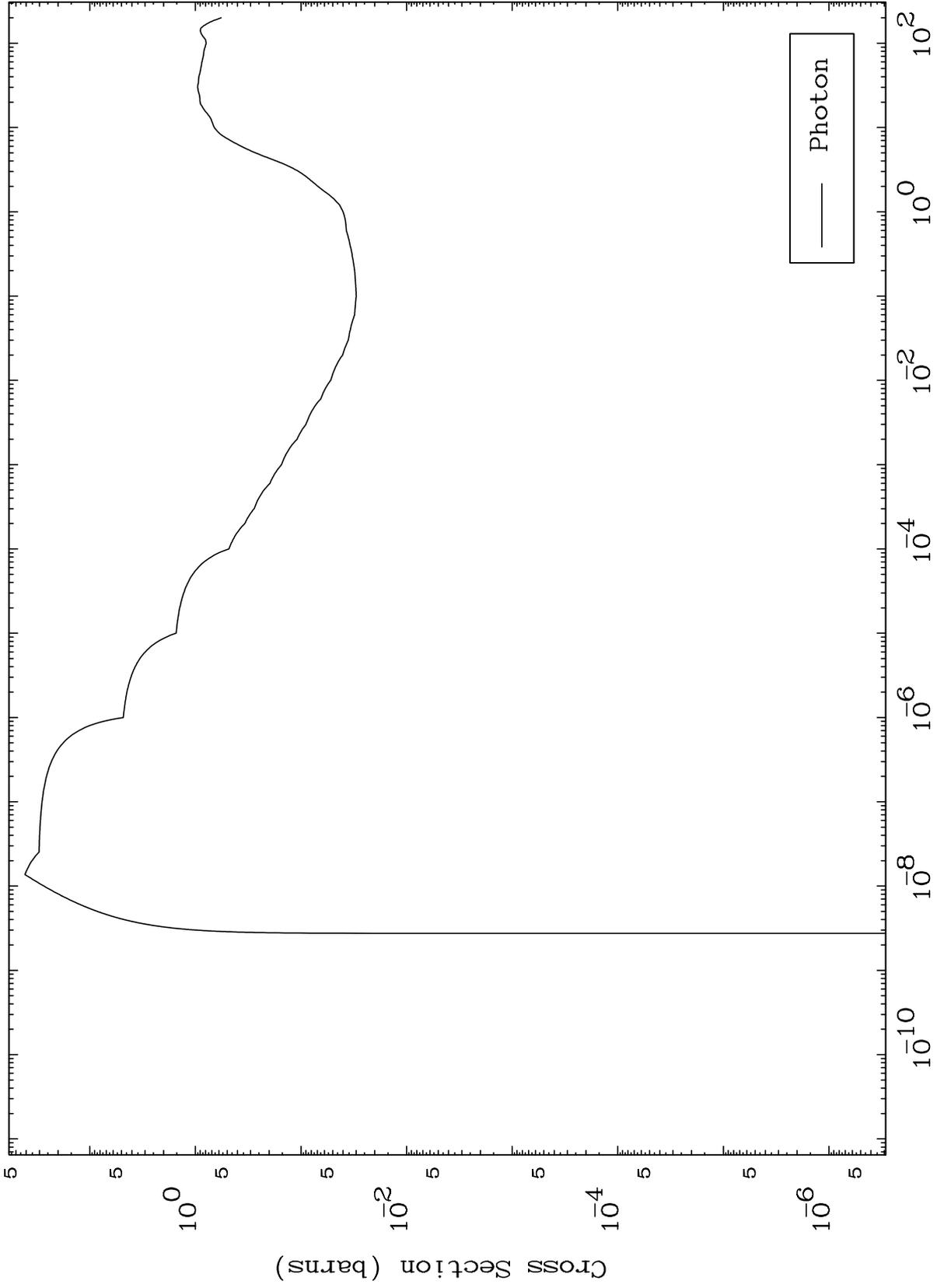
87-Fr-204

MAT 8701

Fission

87-Fr-204

Radionuclide Production Cross Section



100

Incident Energy (MeV)

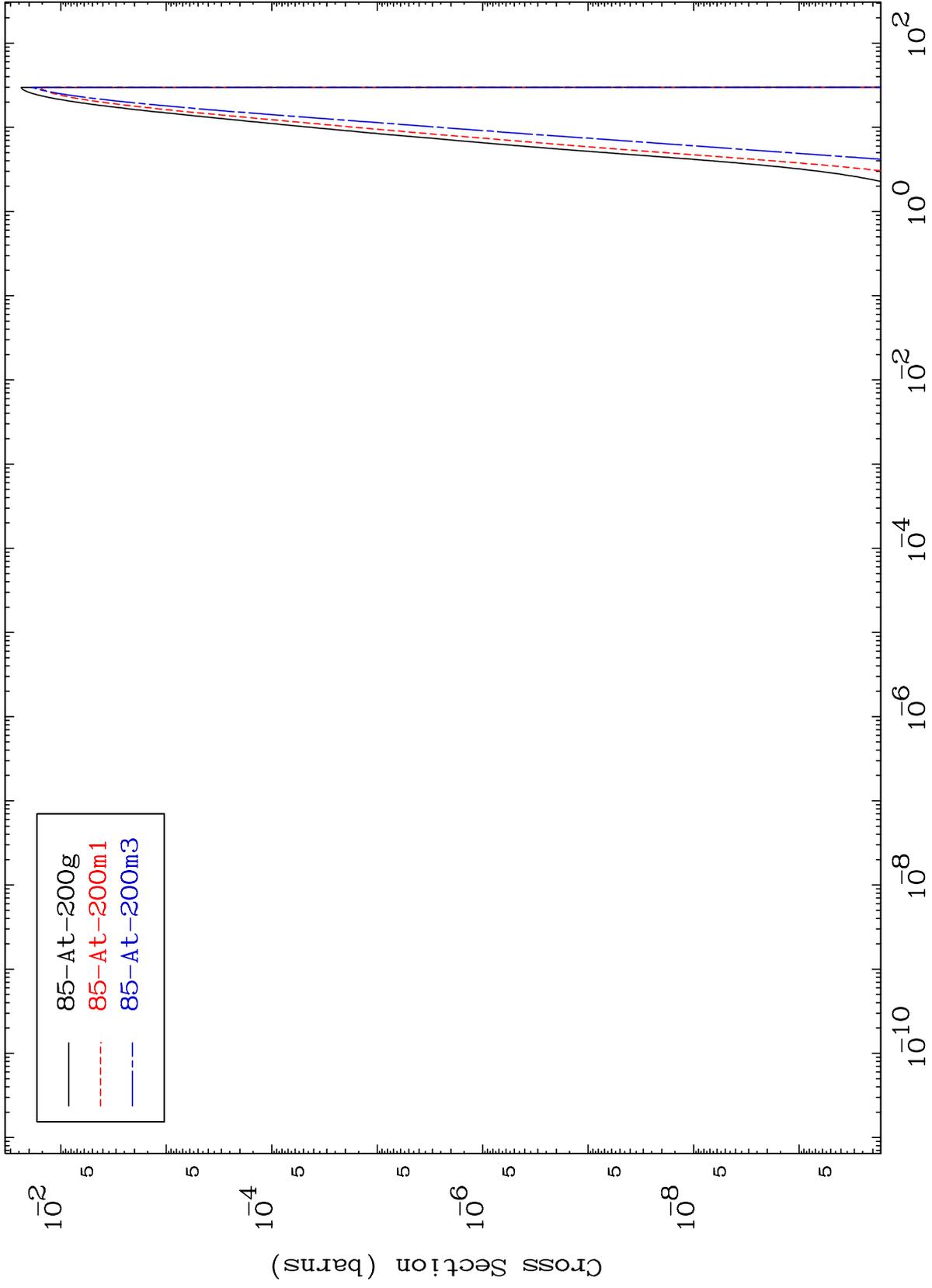
87-Fr-204

MAT 8701

$(n, n') \alpha$

87-Fr-204

Radionuclide Production Cross Section



101

Incident Energy (MeV)

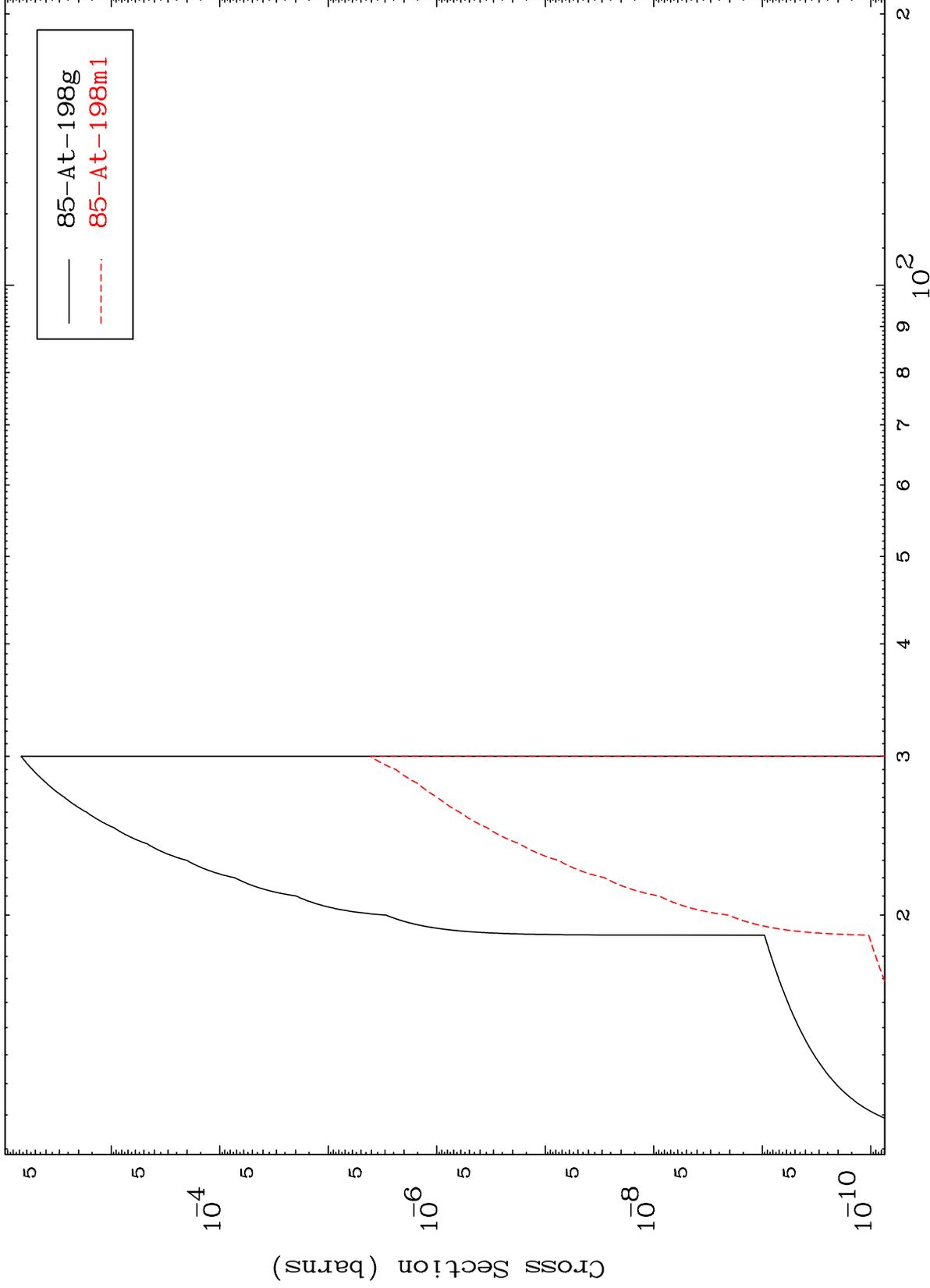
87-Fr-204

MAT 8701

(n,3n) α

87-Fr-204

Radionuclide Production Cross Section



102

Incident Energy (MeV)

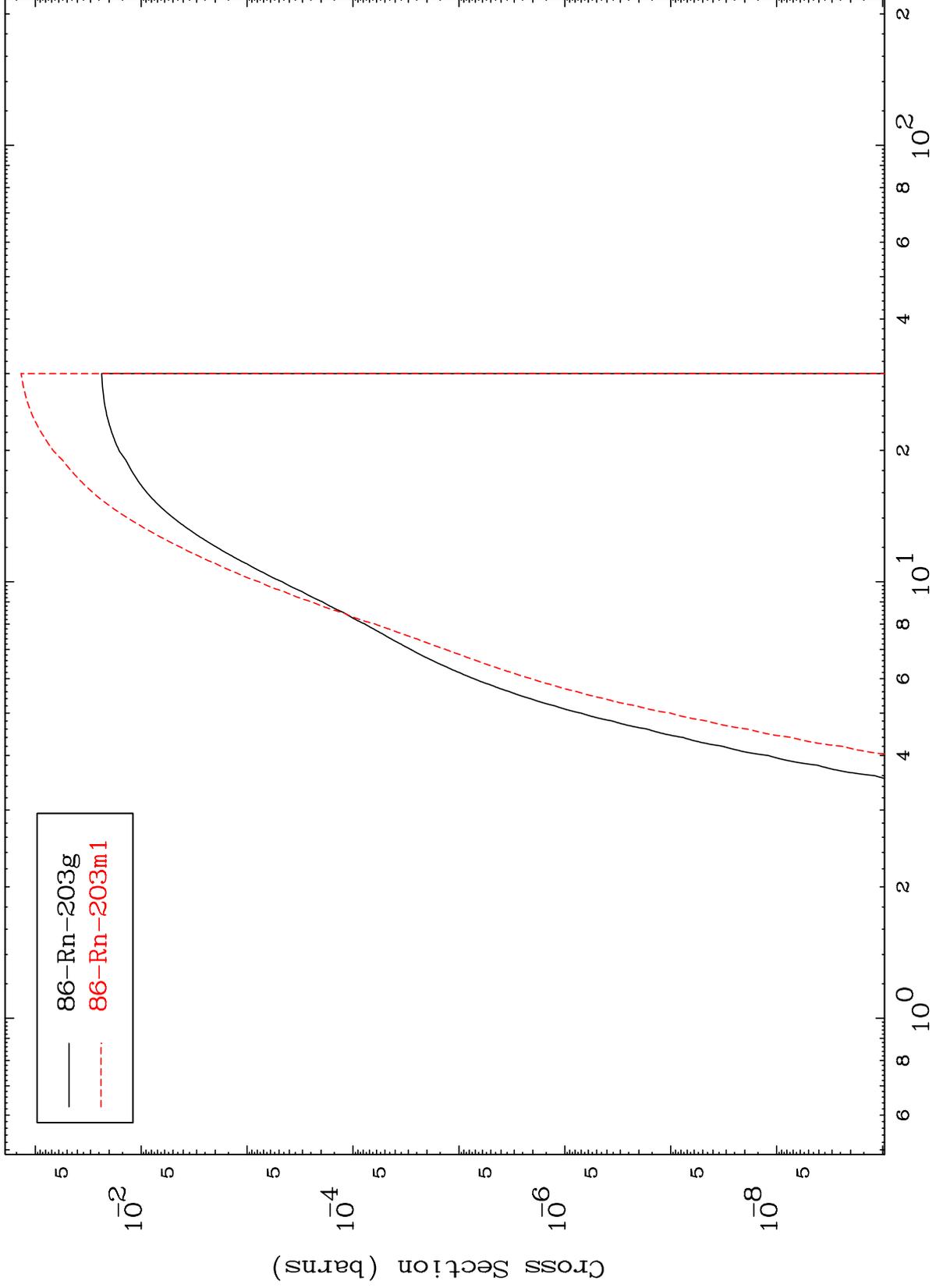
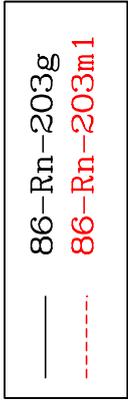
87-Fr-204

MAT 8701

(n,n') p

87-Fr-204

Radionuclide Production Cross Section



103

Incident Energy (MeV)

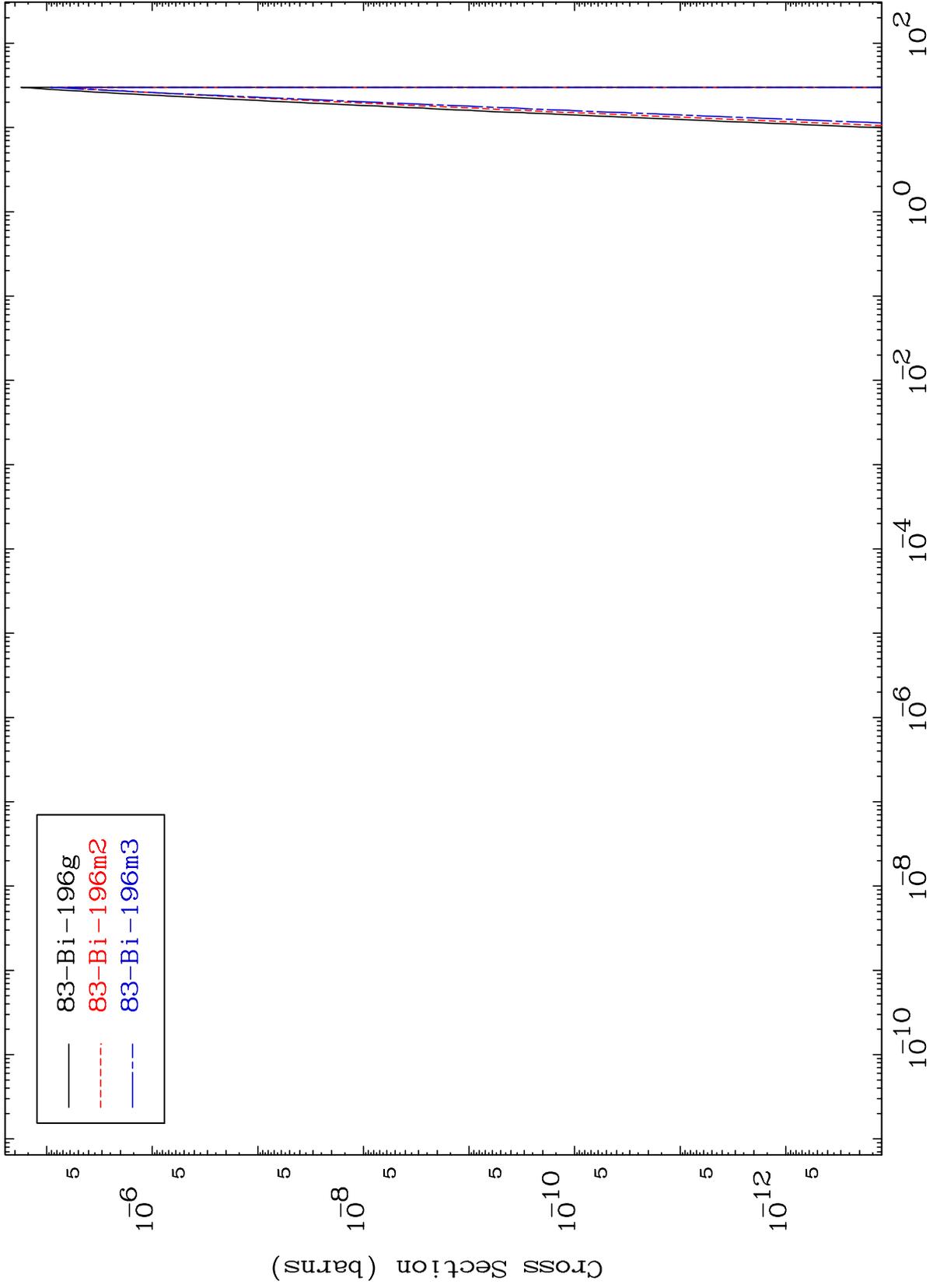
87-Fr-204

MAT 8701

(n,n') 2 α

87-Fr-204

Radionuclide Production Cross Section



104

Incident Energy (MeV)

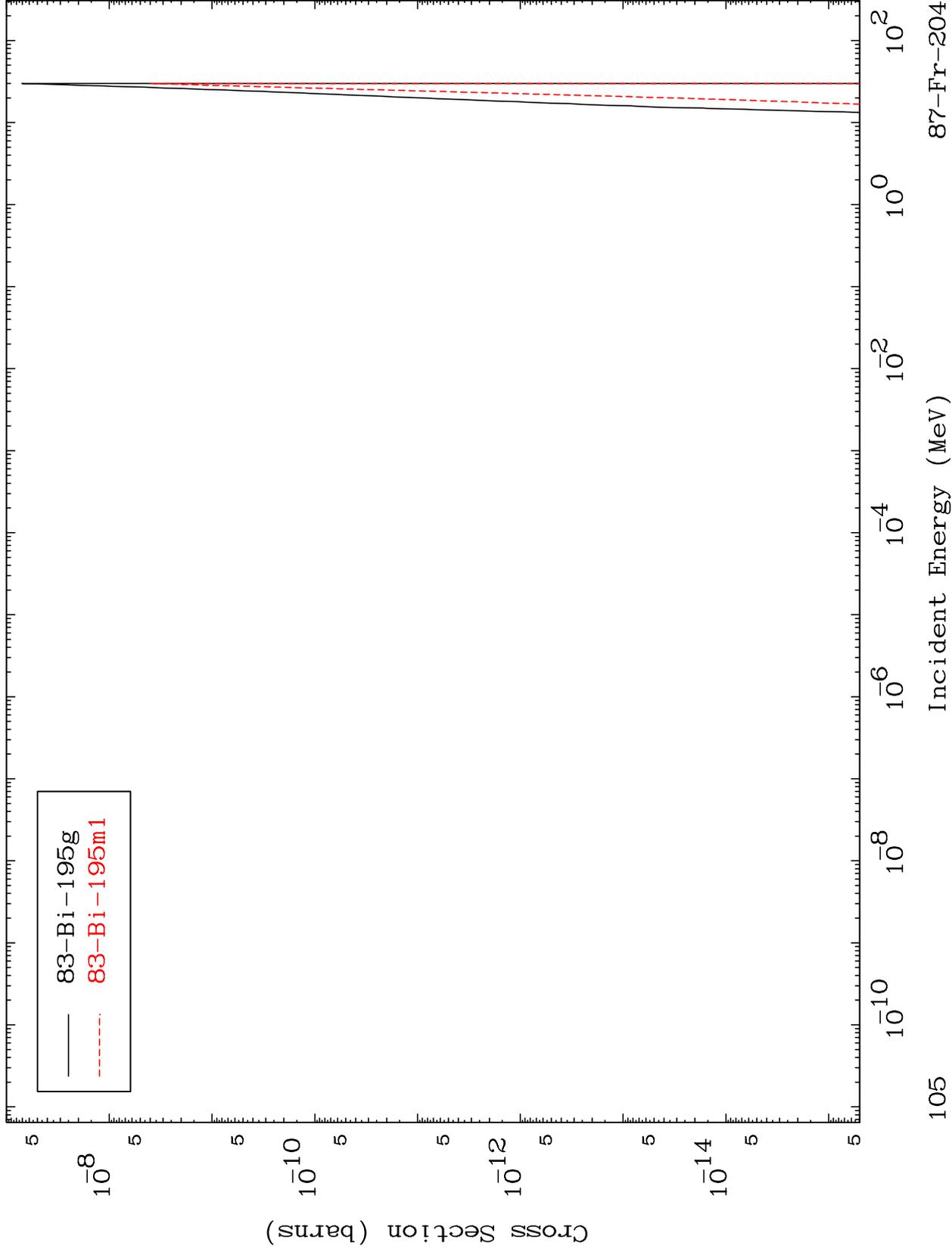
87-Fr-204

MAT 8701

$(n,2n) 2\alpha$

87-Fr-204

Radionuclide Production Cross Section



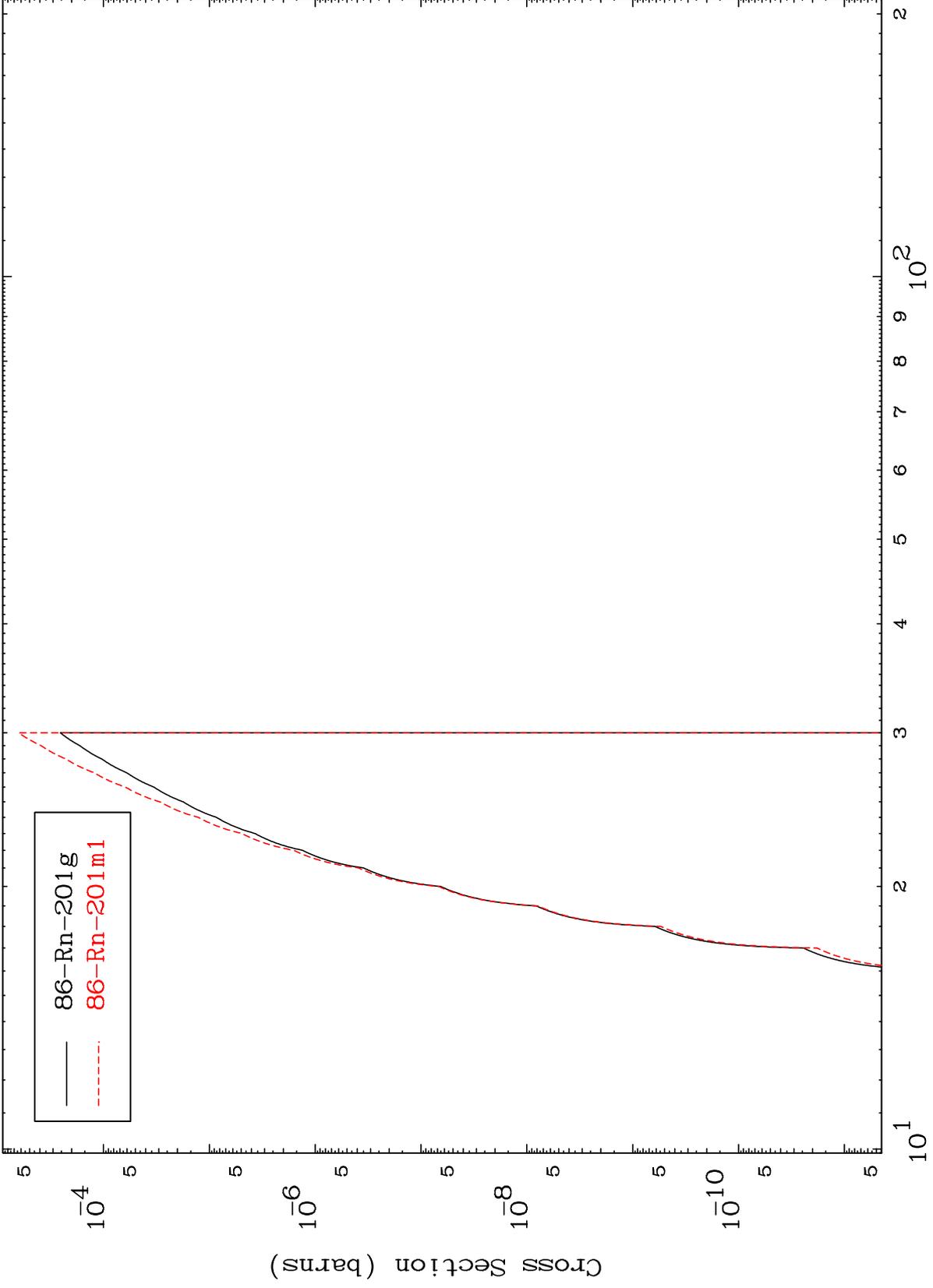
105

MAT 8701

(n,n') t

87-Fr-204

Radionuclide Production Cross Section



106

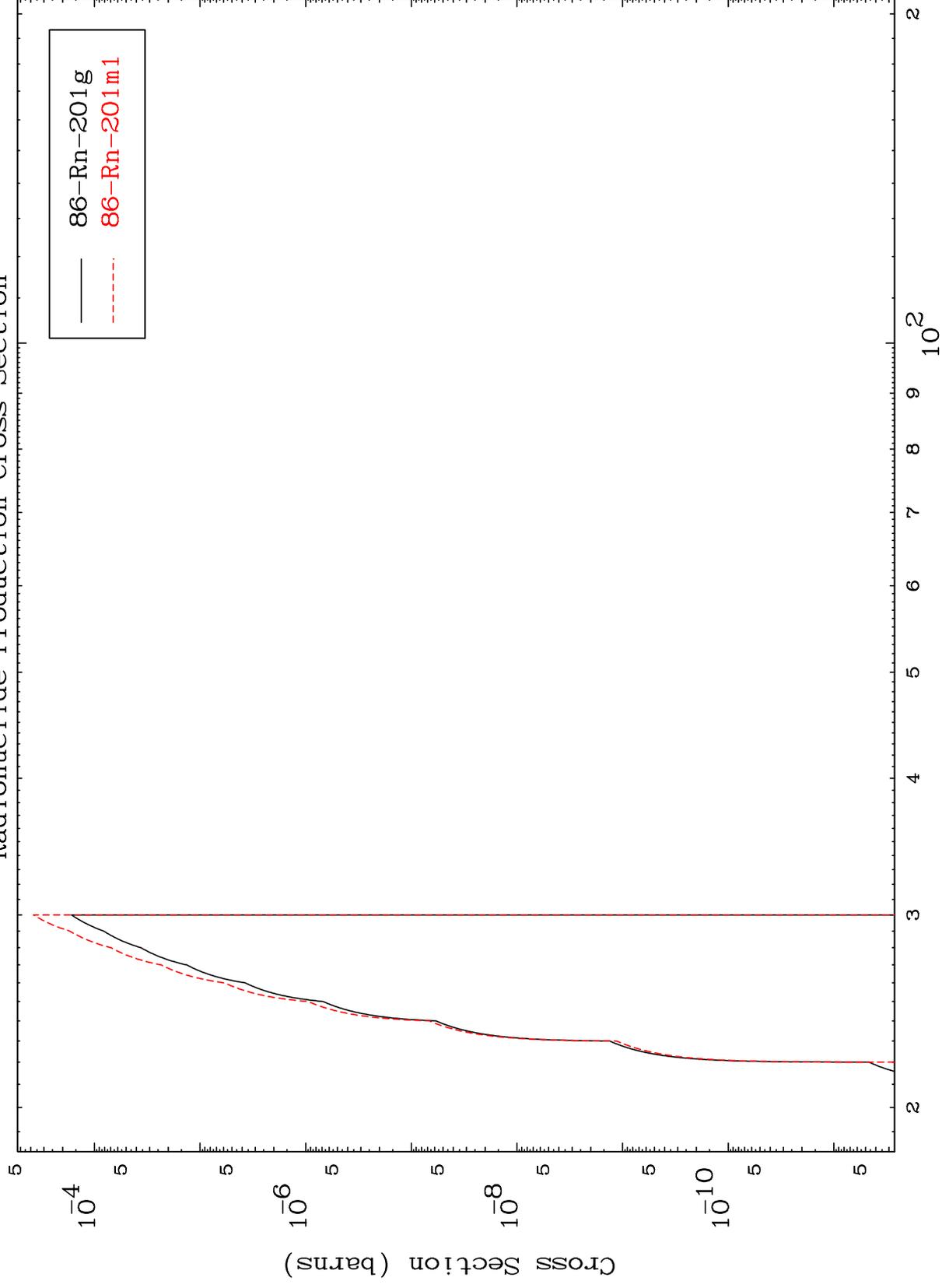
Incident Energy (MeV)

87-Fr-204

MAT 8701

87-Fr-204

(n,3n) p
Radionuclide Production Cross Section



107

Incident Energy (MeV)

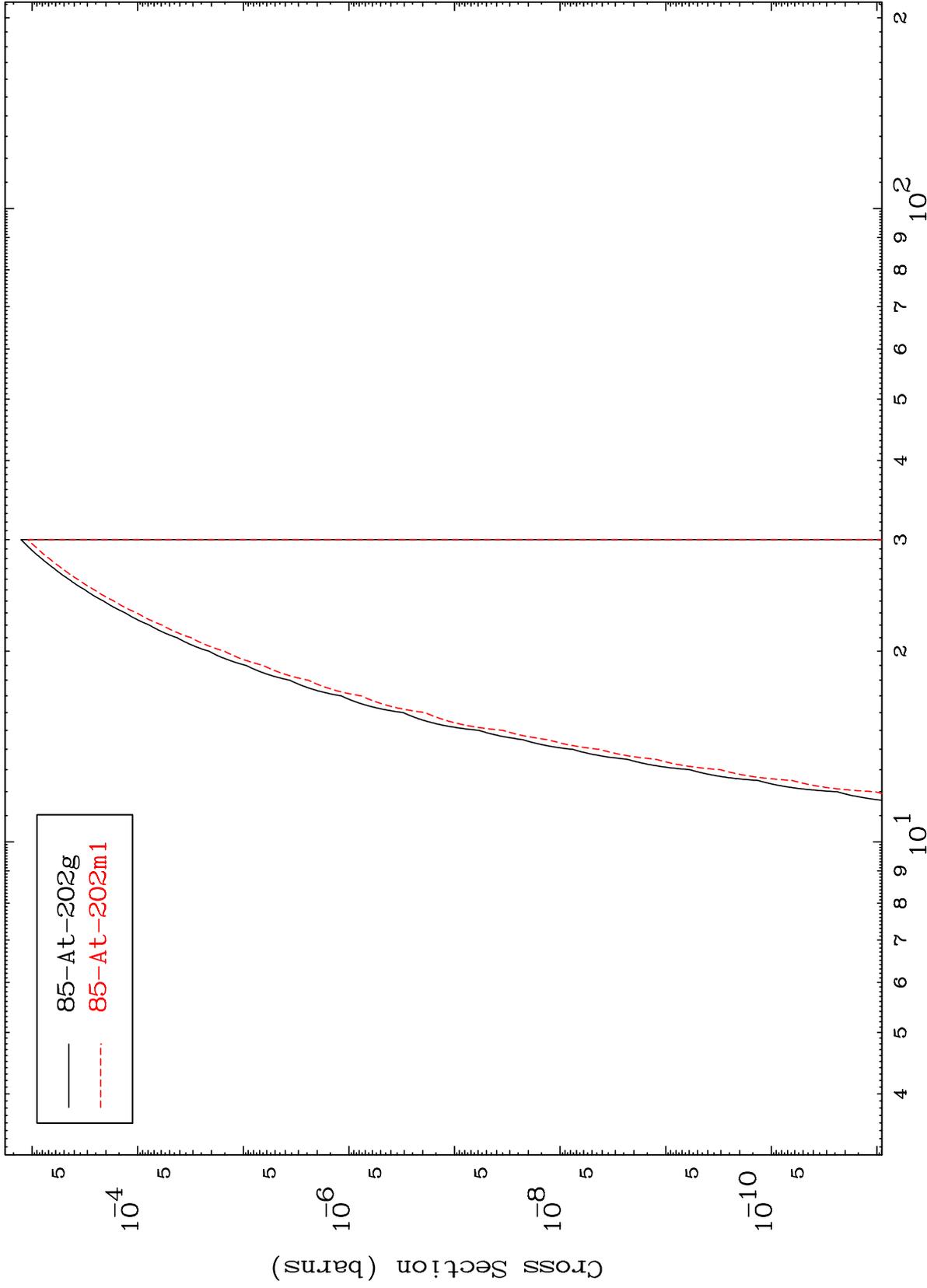
87-Fr-204

MAT 8701

87-Fr-204

(n,2n) p

Radionuclide Production Cross Section



108

Incident Energy (MeV)

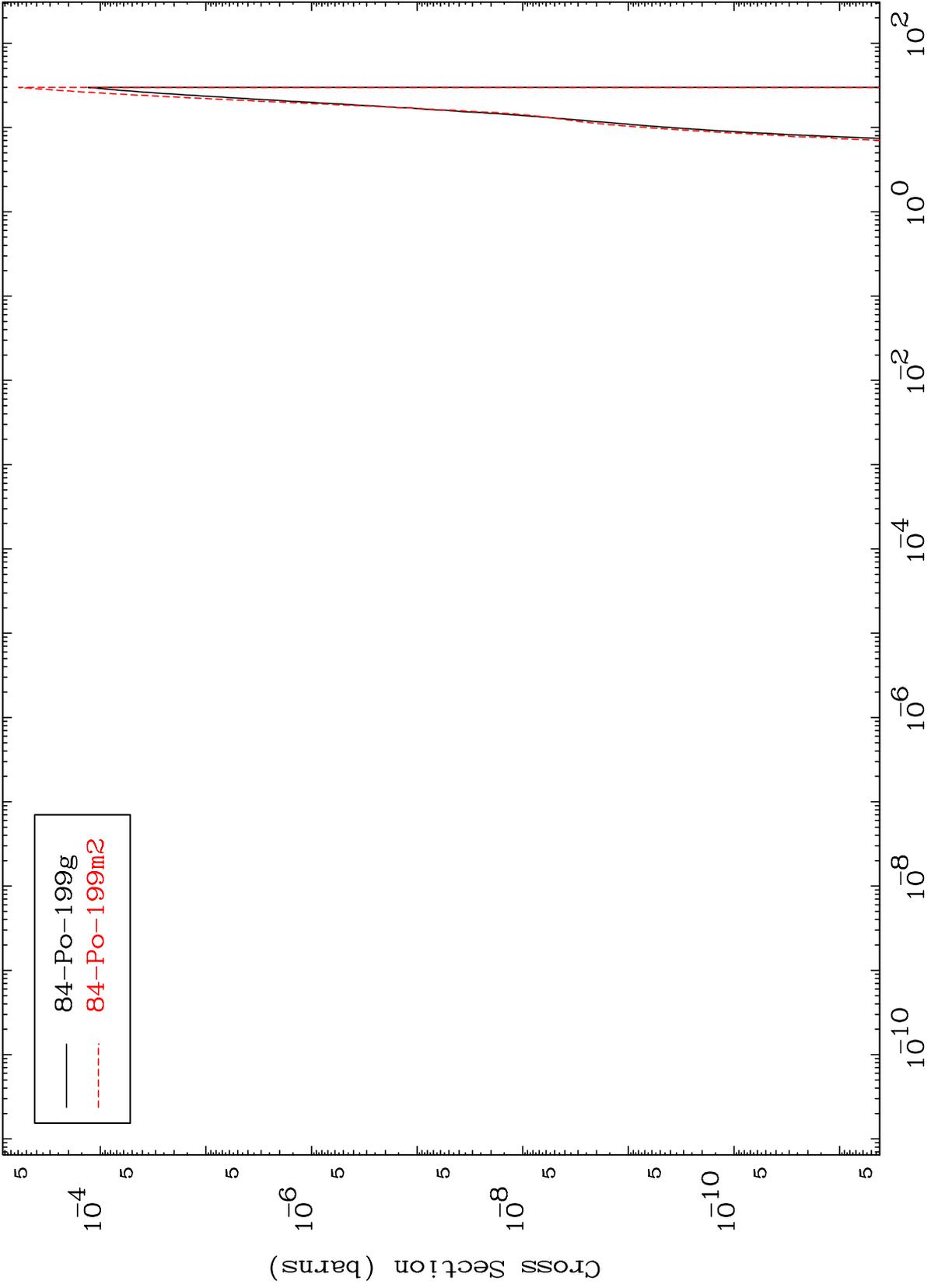
87-Fr-204

MAT 8701

(n,n') p α

87-Fr-204

Radionuclide Production Cross Section

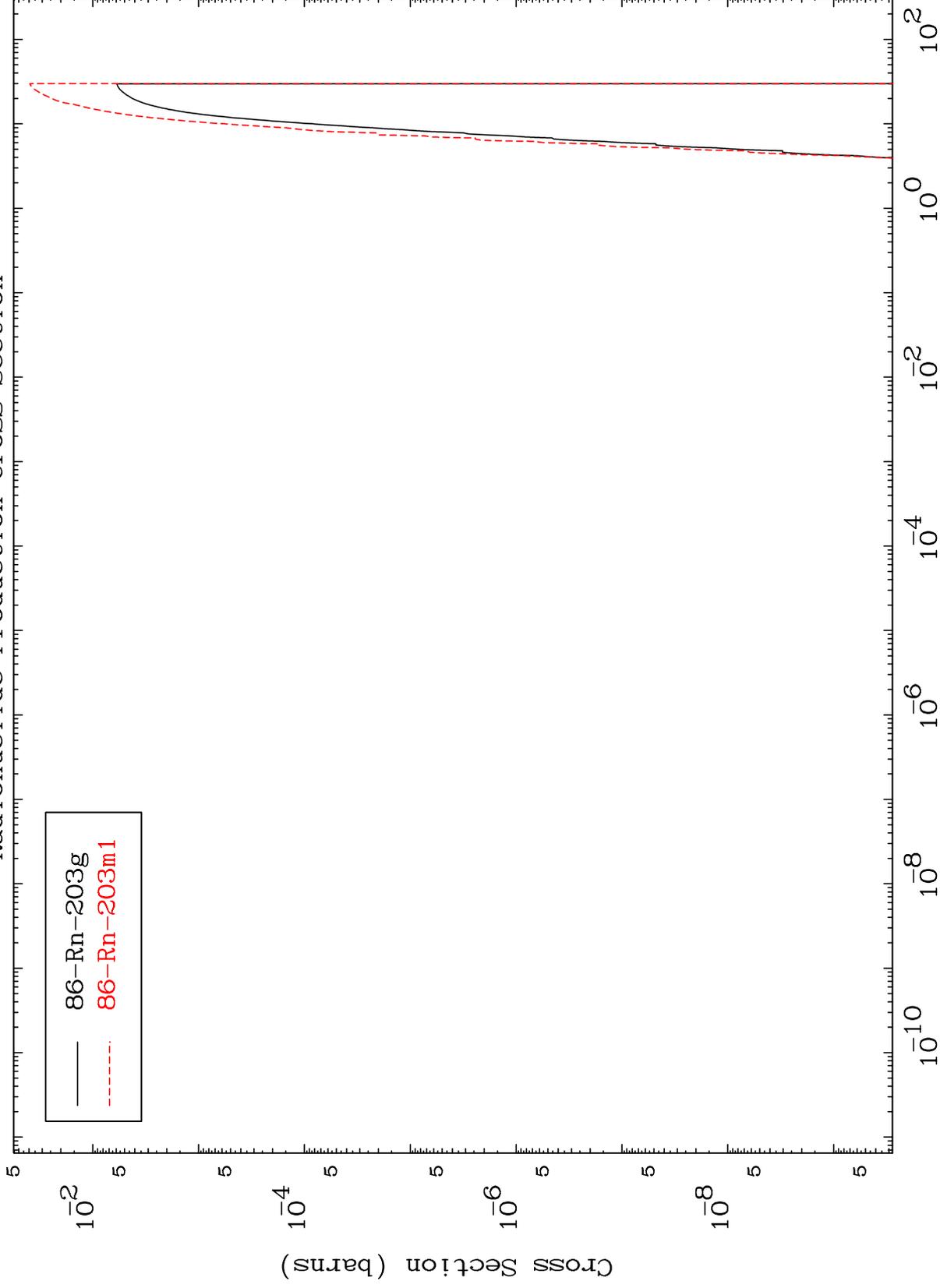


MAT 8701

(n,d)

87-Fr-204

Radionuclide Production Cross Section



110

Incident Energy (MeV)

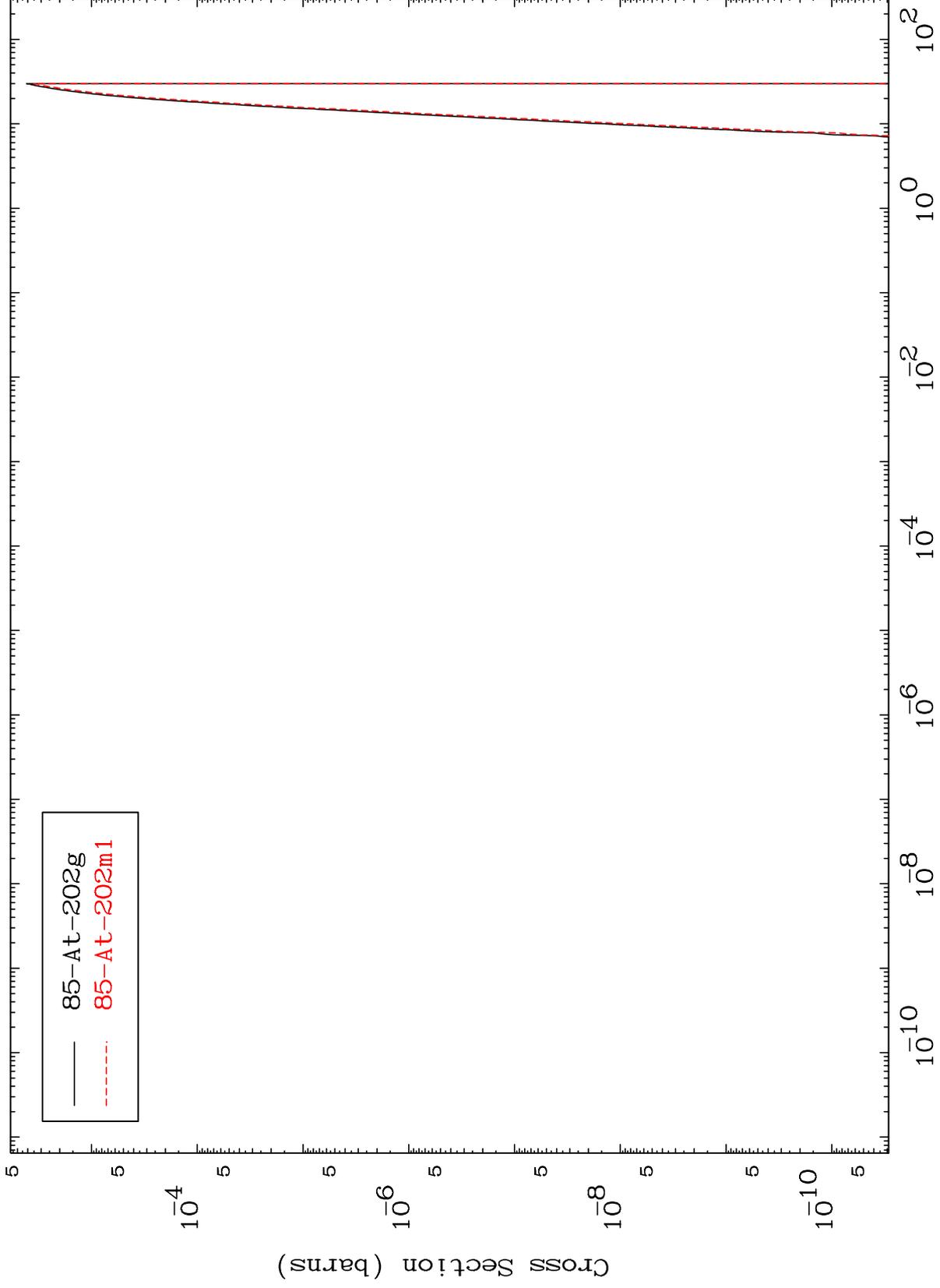
87-Fr-204

MAT 8701

(n,He-3)

87-Fr-204

Radionuclide Production Cross Section



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

111

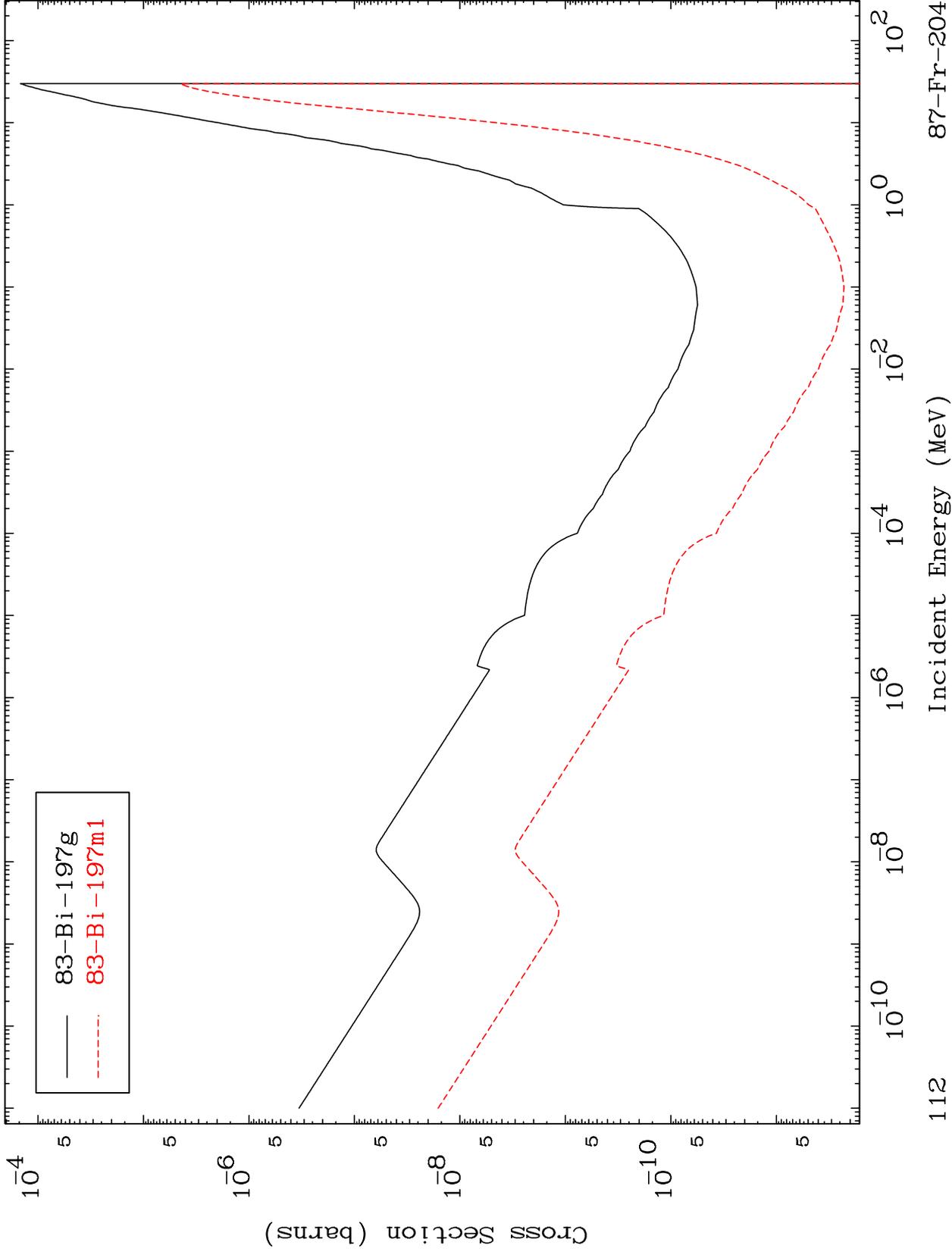
Incident Energy (MeV)

87-Fr-204

MAT 8701

87-Fr-204

Radionuclide Production Cross Section
(n,2 α)

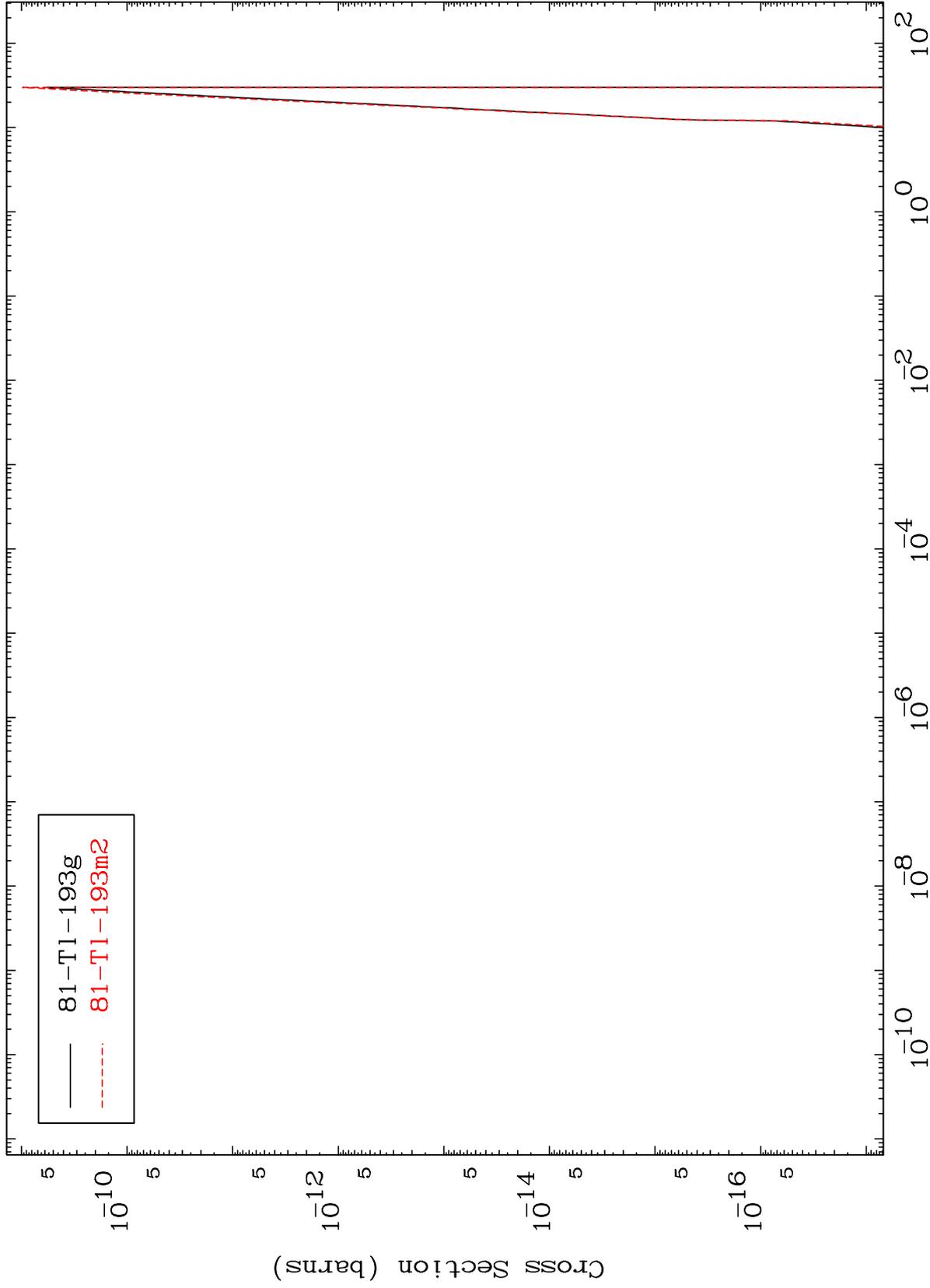


MAT 8701

(n,3α)

87-Fr-204

Radionuclide Production Cross Section



113

Incident Energy (MeV)

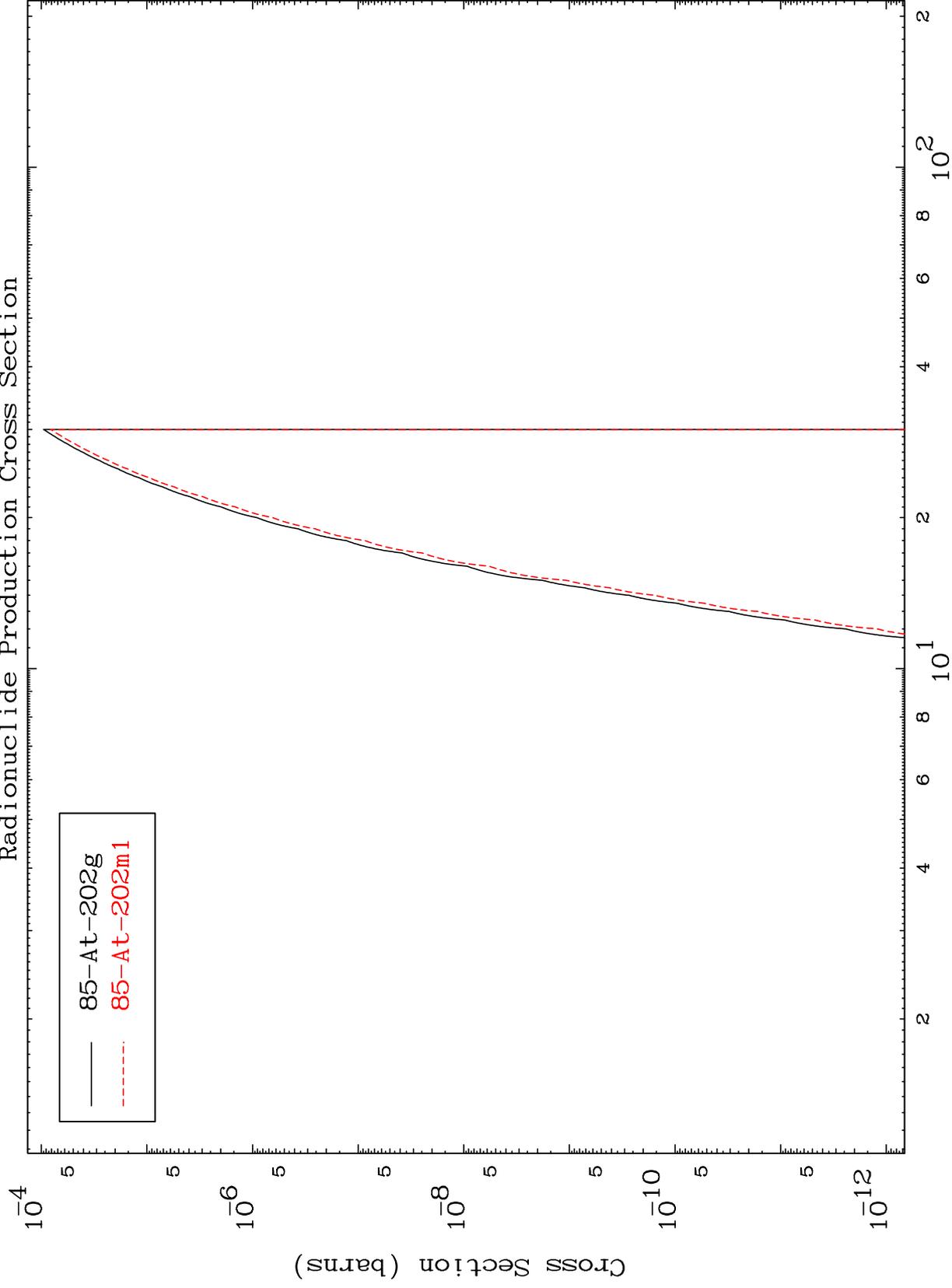
87-Fr-204

MAT 8701

(n,p) d

87-Fr-204

Radionuclide Production Cross Section



114

Incident Energy (MeV)

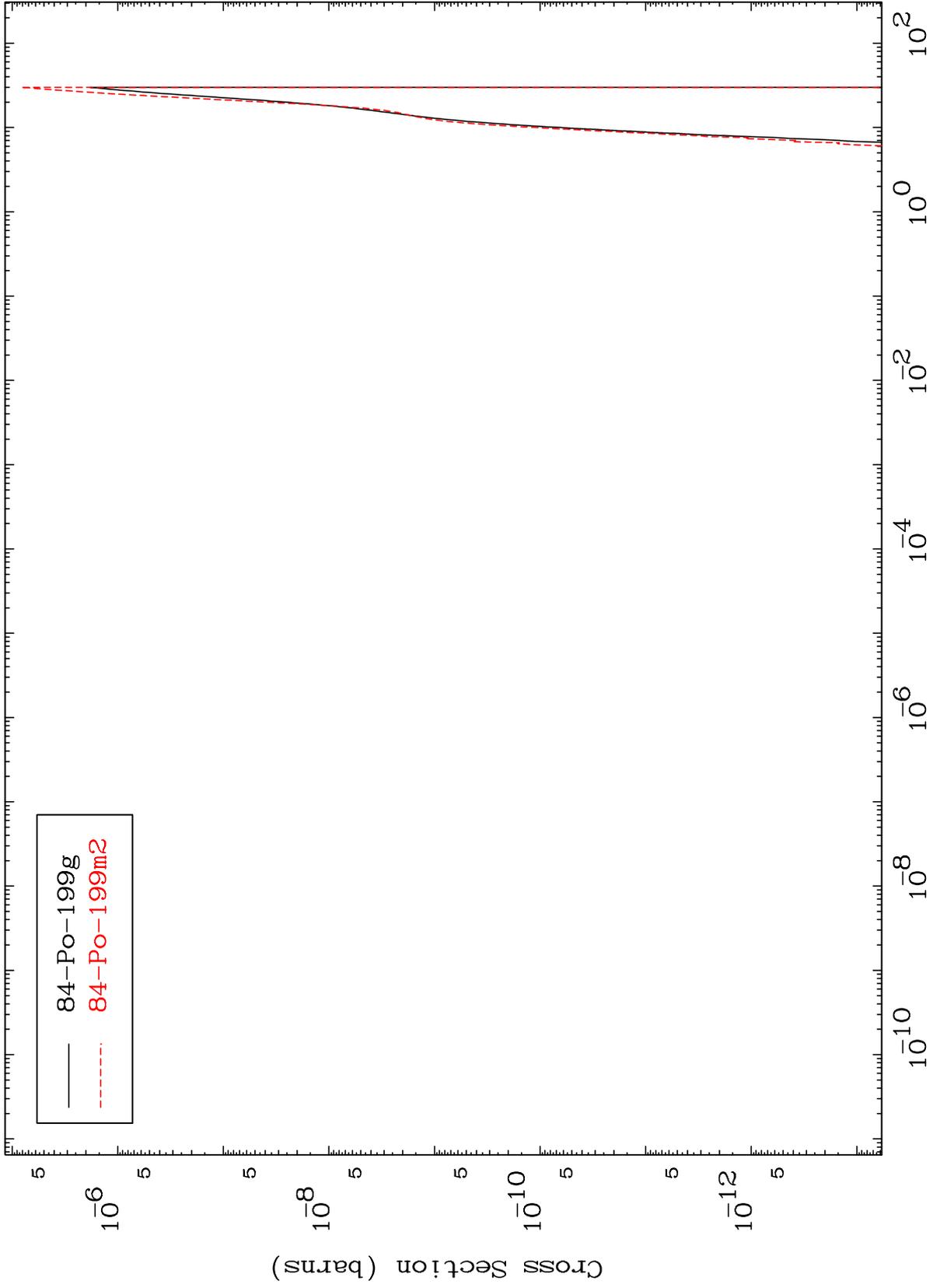
87-Fr-204

MAT 8701

(n,d) α

87-Fr-204

Radionuclide Production Cross Section



84-Po-199g
84-Po-199m2