

Program EVALPLOT
(Version 2021-1)

by

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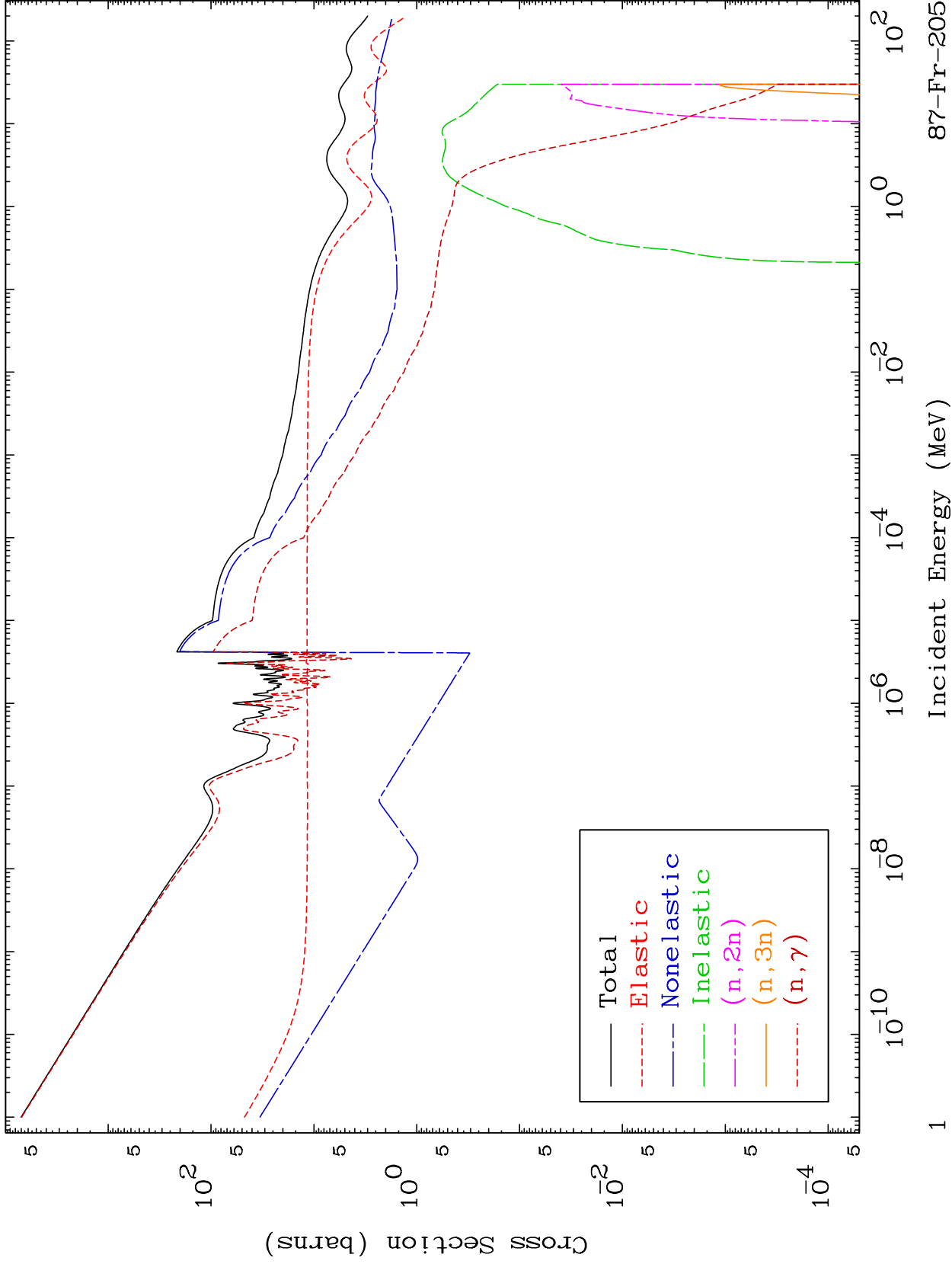
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Press Mouse Button to Start

MAT 8704

Neutron Major
293 Kelvin Cross Sections

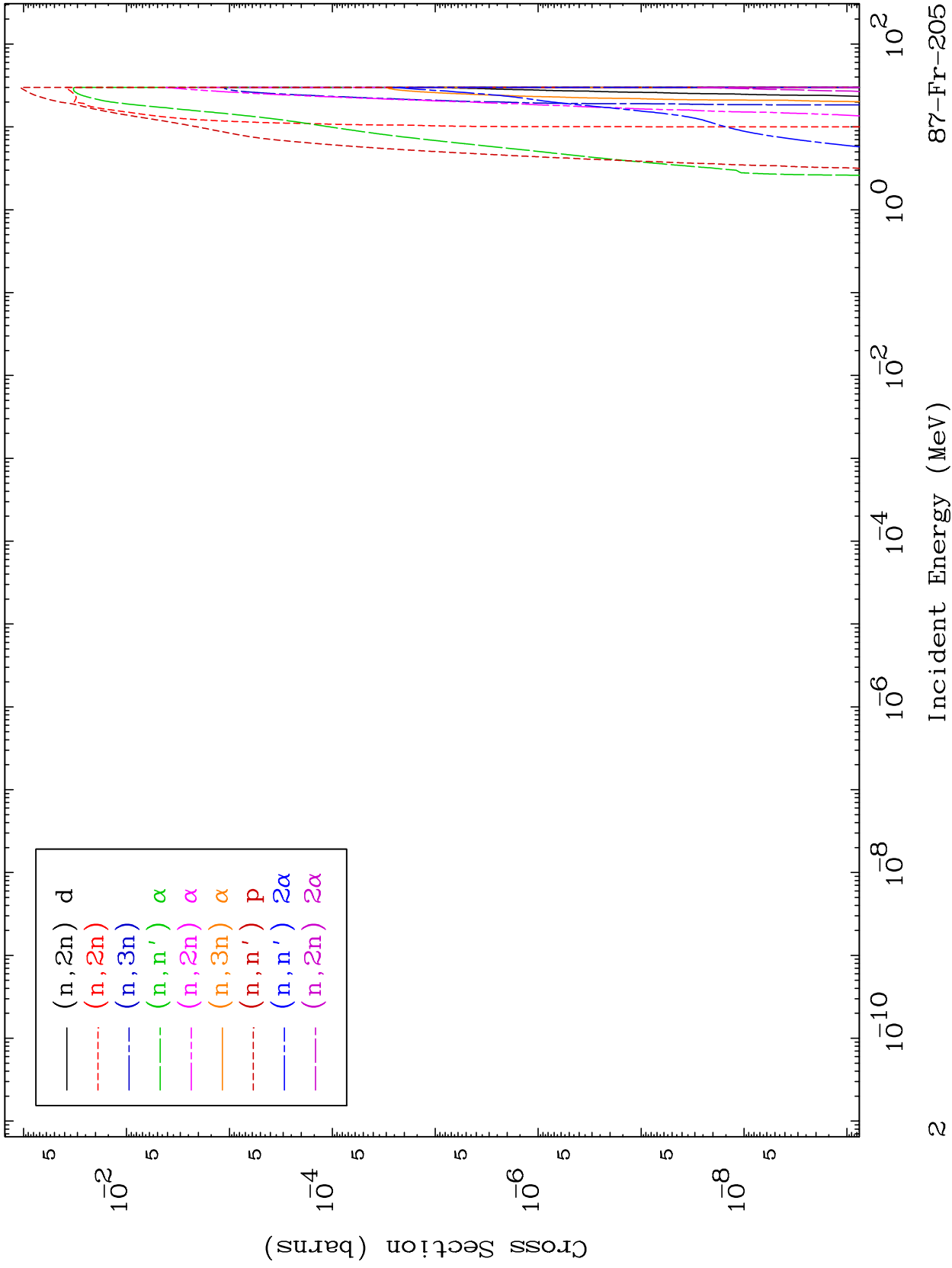
87-Fr-205



MAT 8704

Neutron Absorption
293 Kelvin Cross Sections

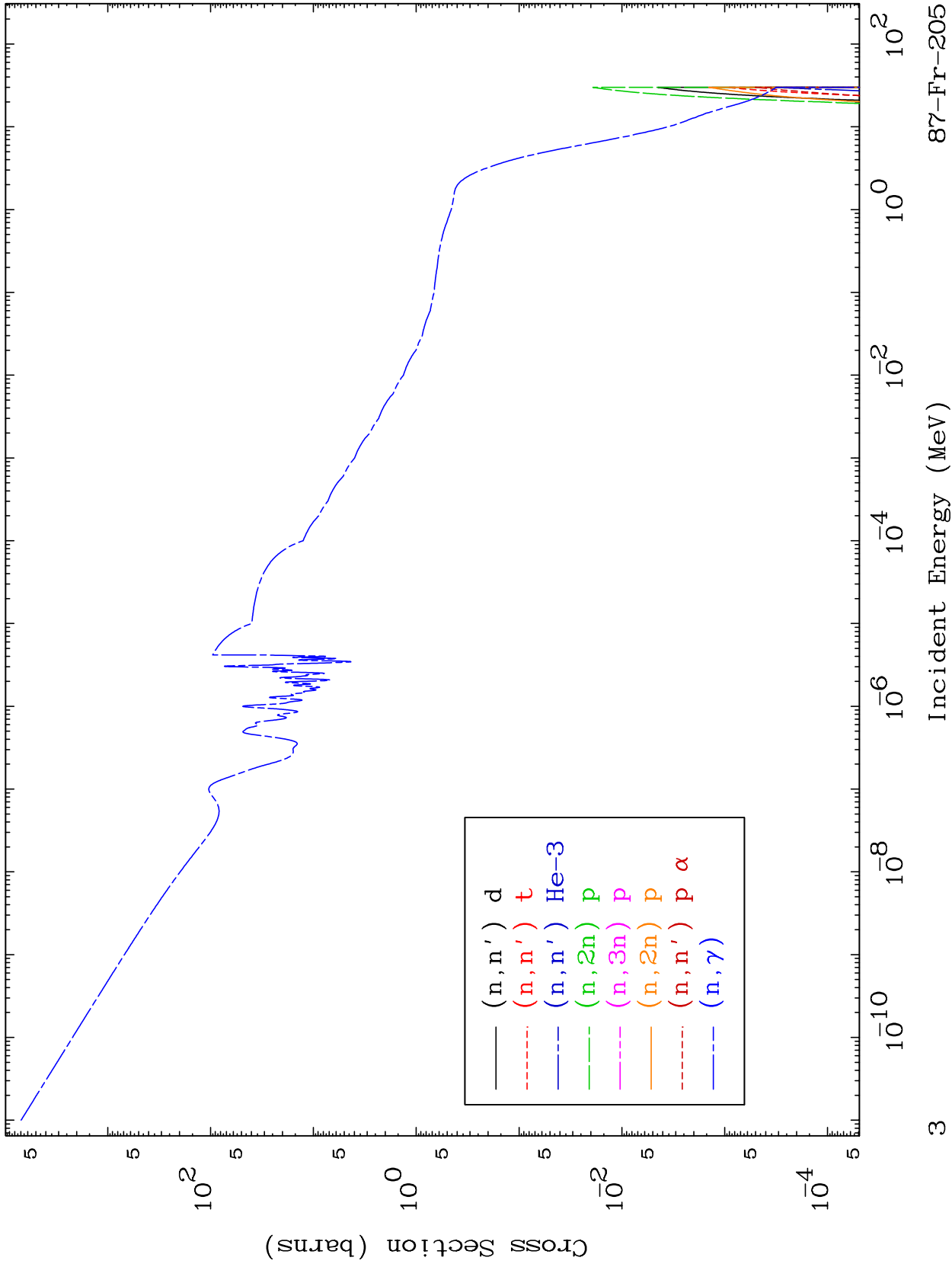
87-Fr-205



MAT 8704

Neutron Absorption
293 Kelvin Cross Sections

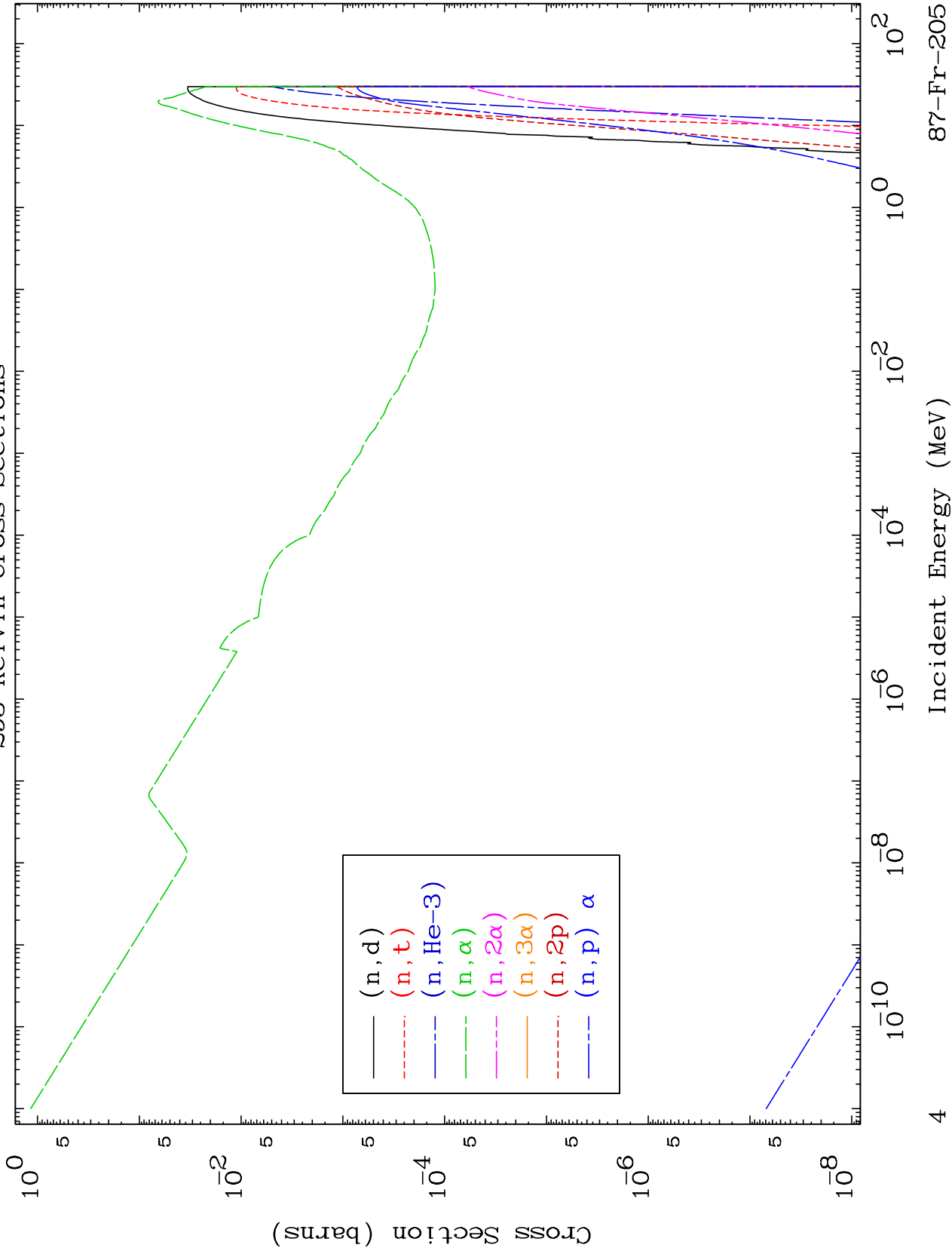
87-Fr-205



MAT 8704

Neutron Absorption
293 Kelvin Cross Sections

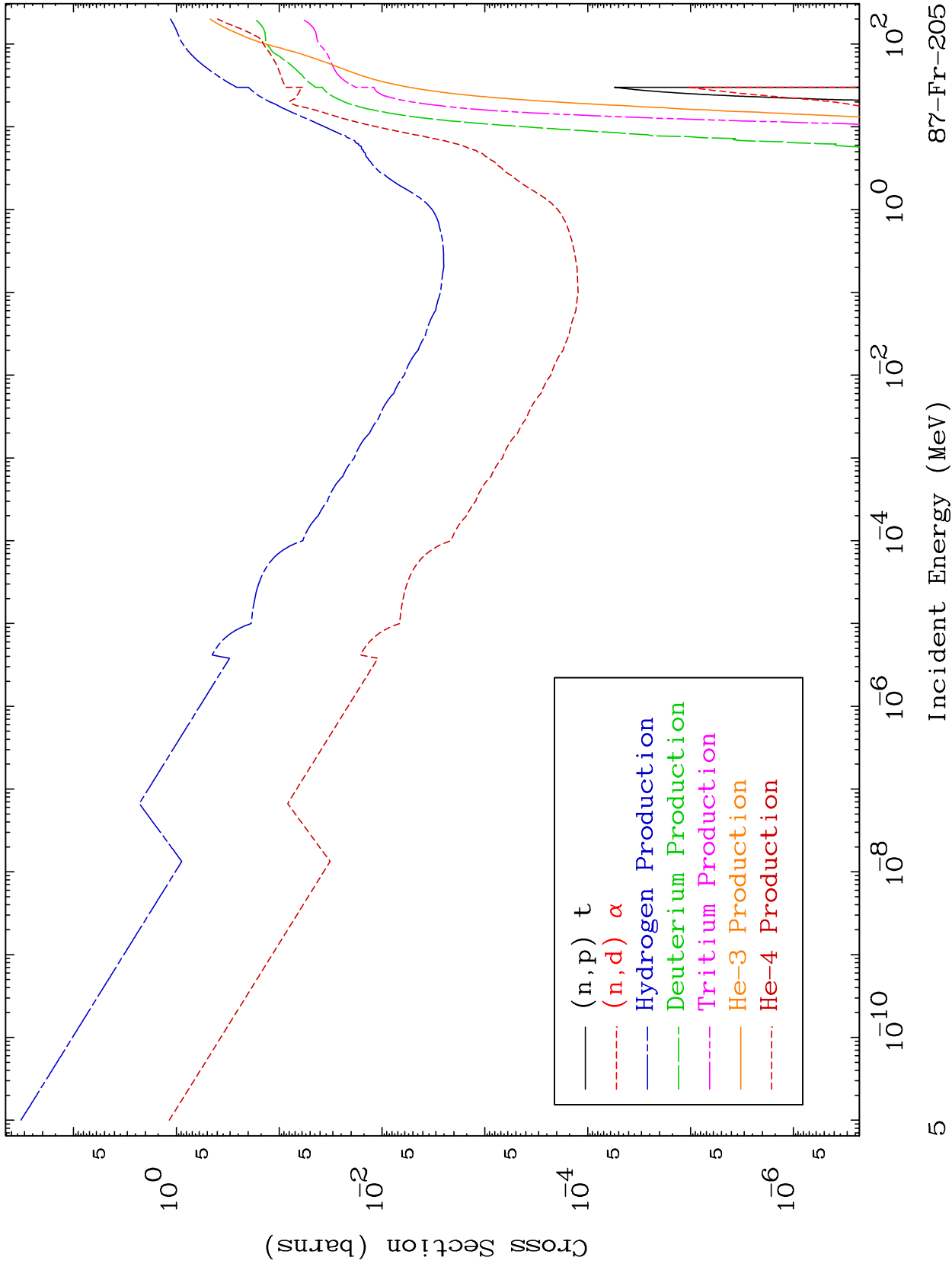
87-Fr-205



MAT 8704

Neutron Absorption
293 Kelvin Cross Sections

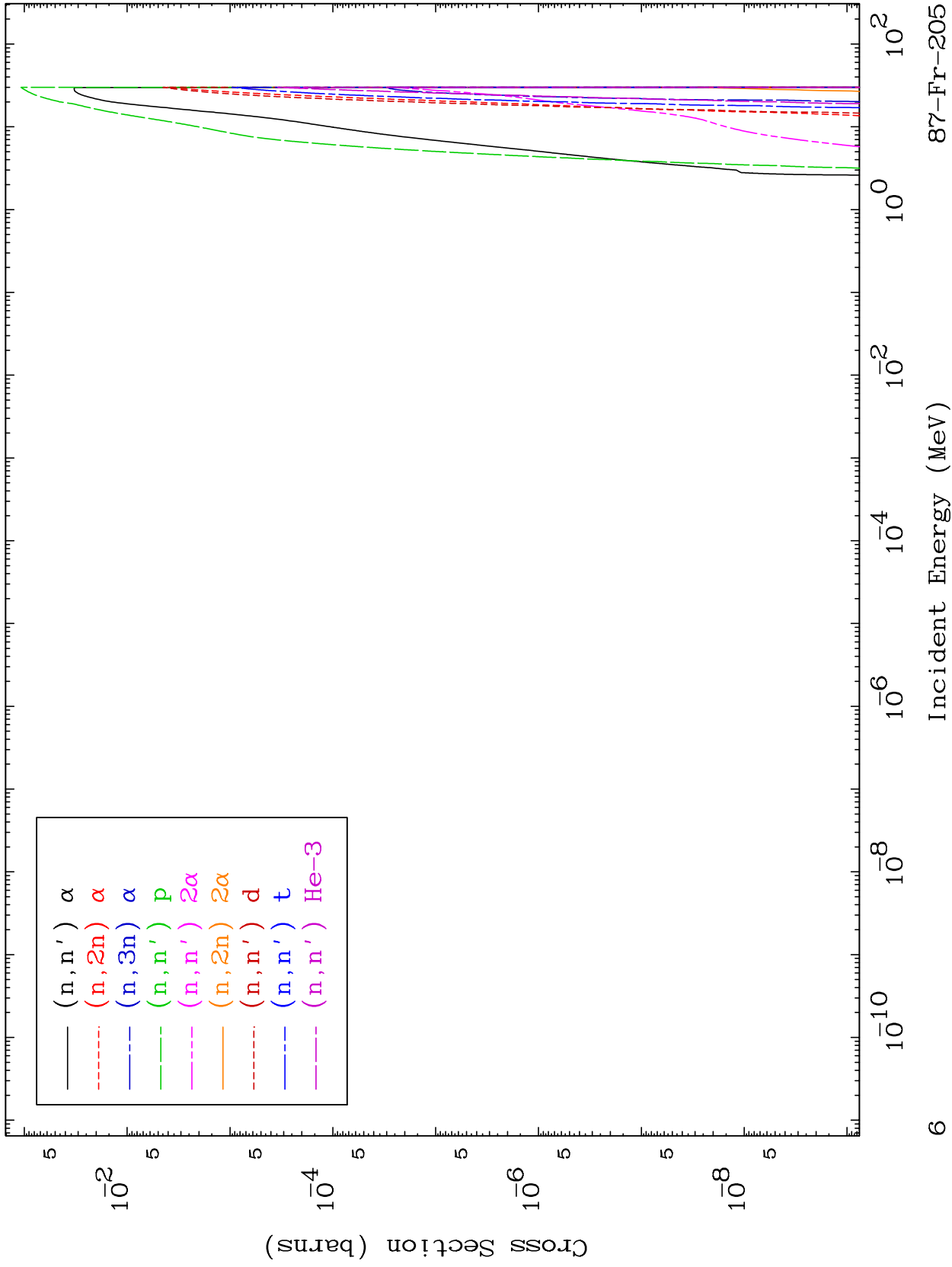
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MAT 8704

Charged Particle
293 Kelvin Cross Sections

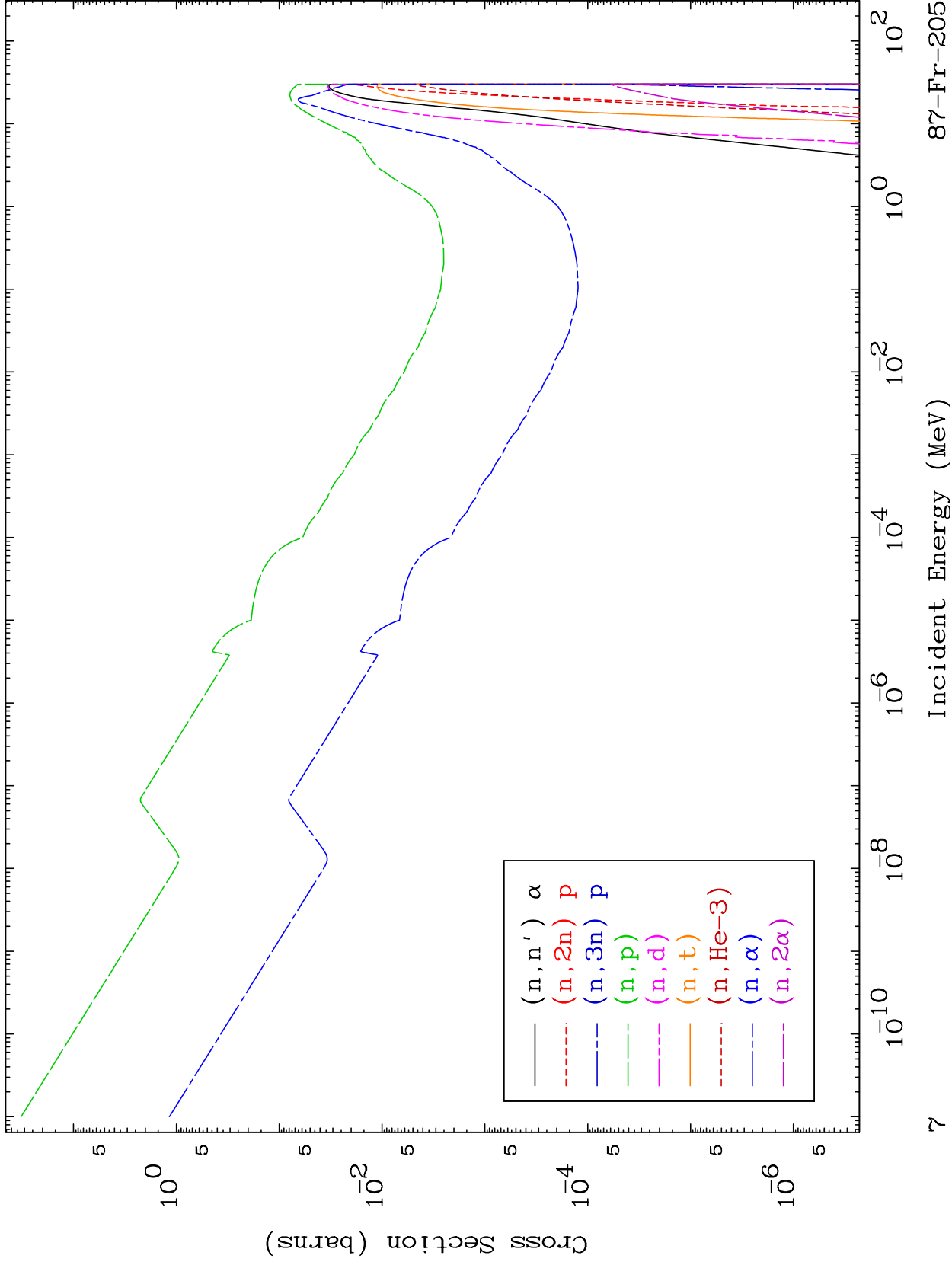
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MAT 8704

Charged Particle
293 Kelvin Cross Sections

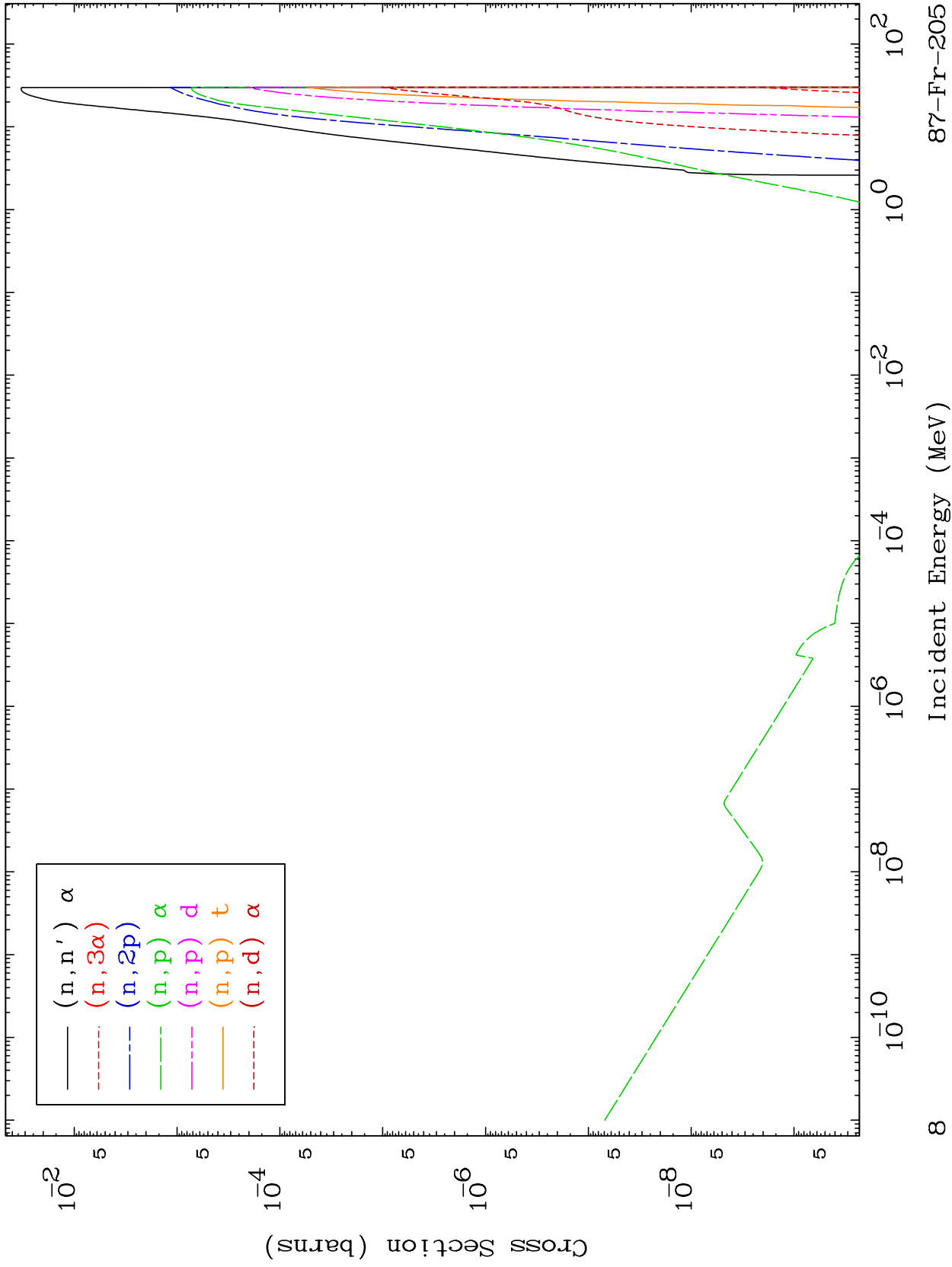
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MAT 8704

Charged Particle
293 Kelvin Cross Sections

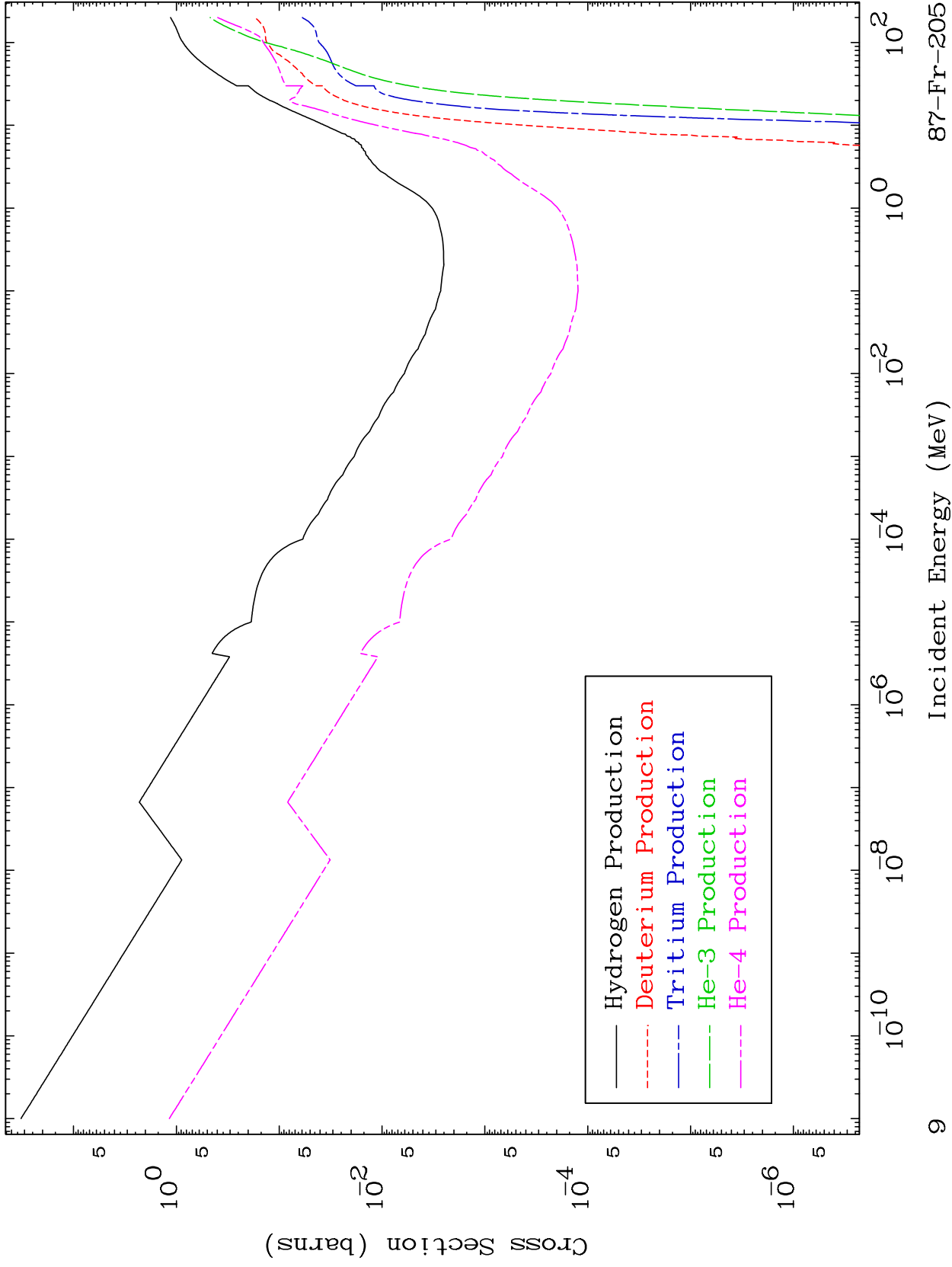
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MAT 8704

Particle Production
293 Kelvin Cross Sections

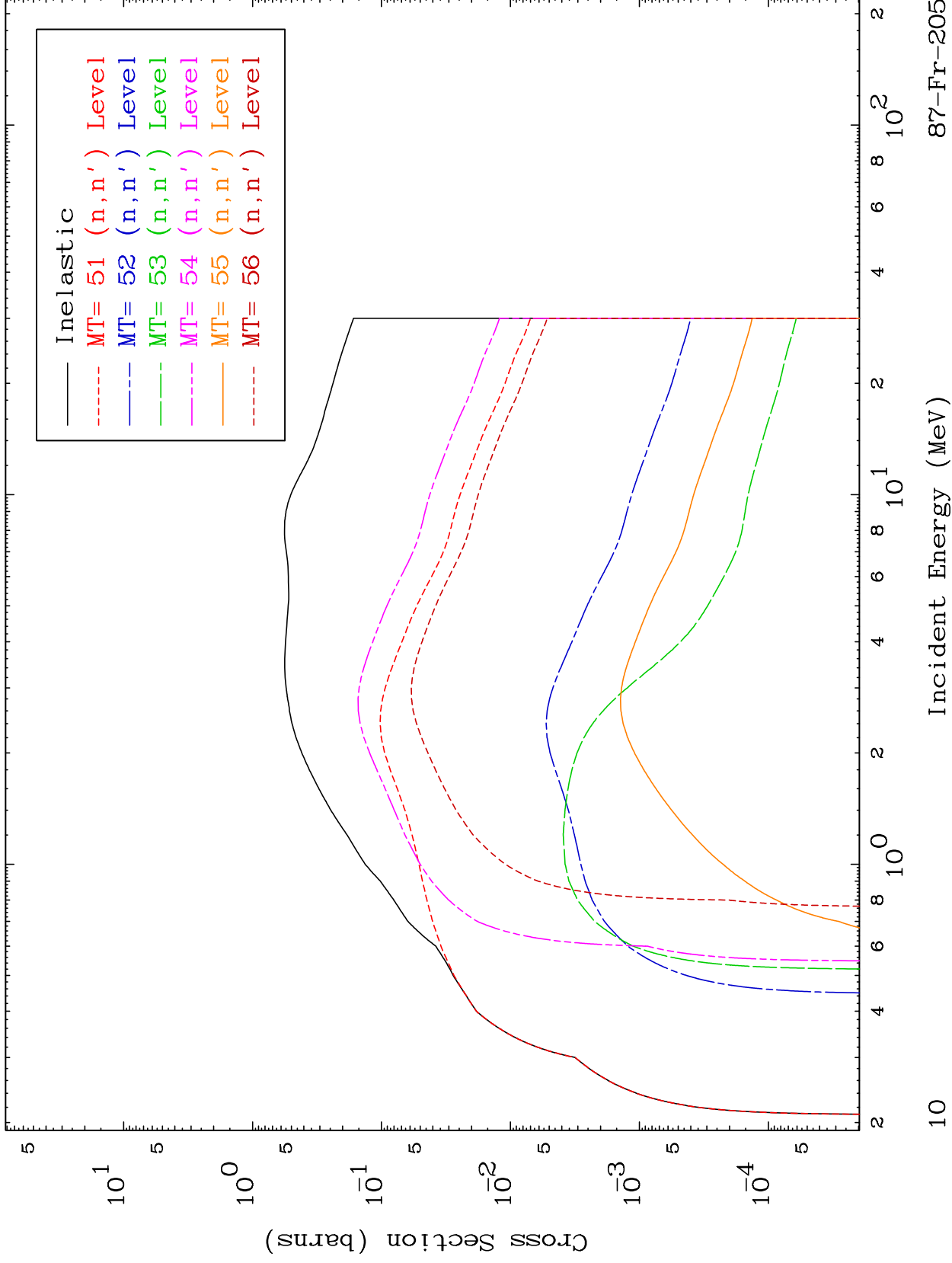
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MAT 8704

(n,n') Levels
293 Kelvin Cross Sections

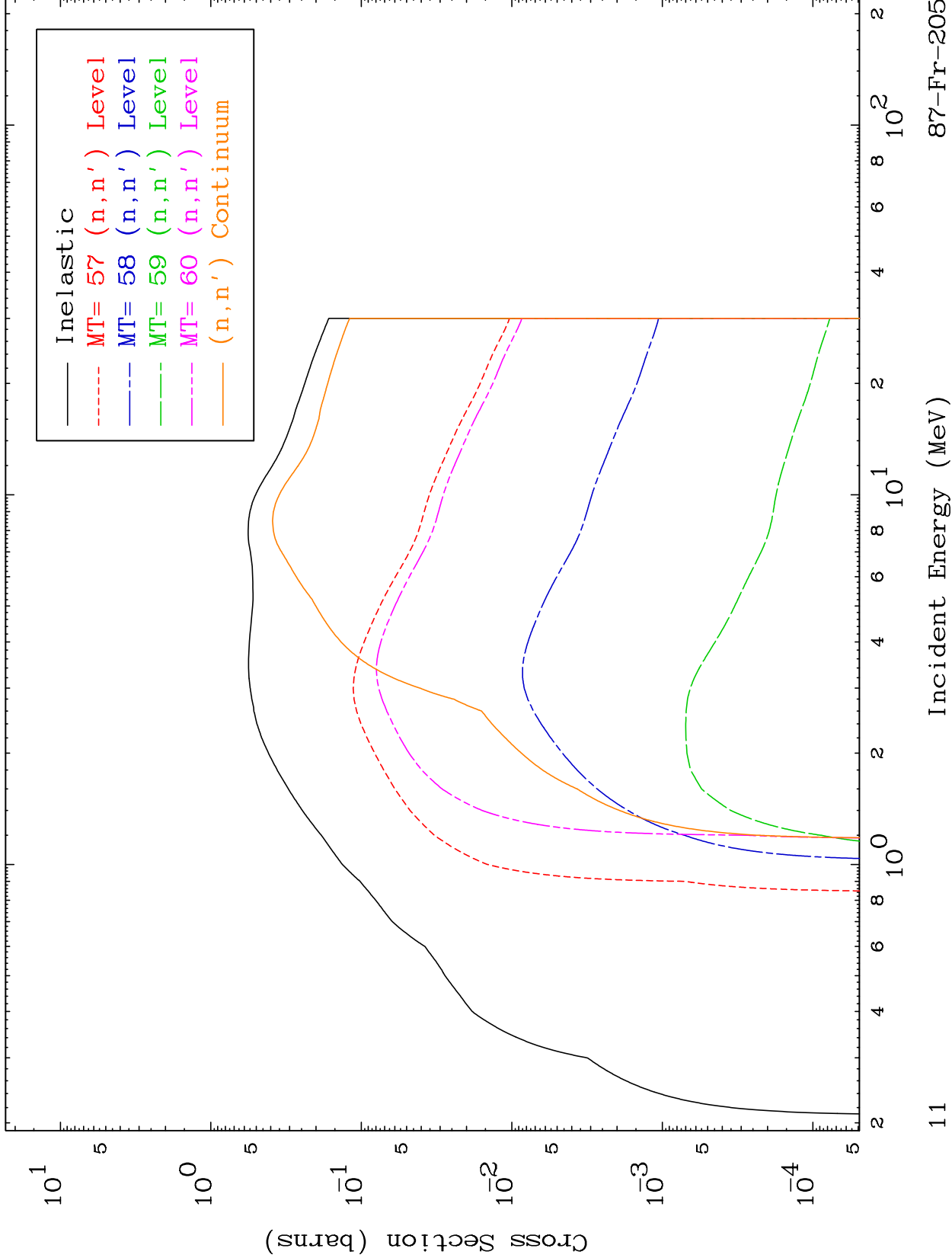
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Incident Energy (MeV)

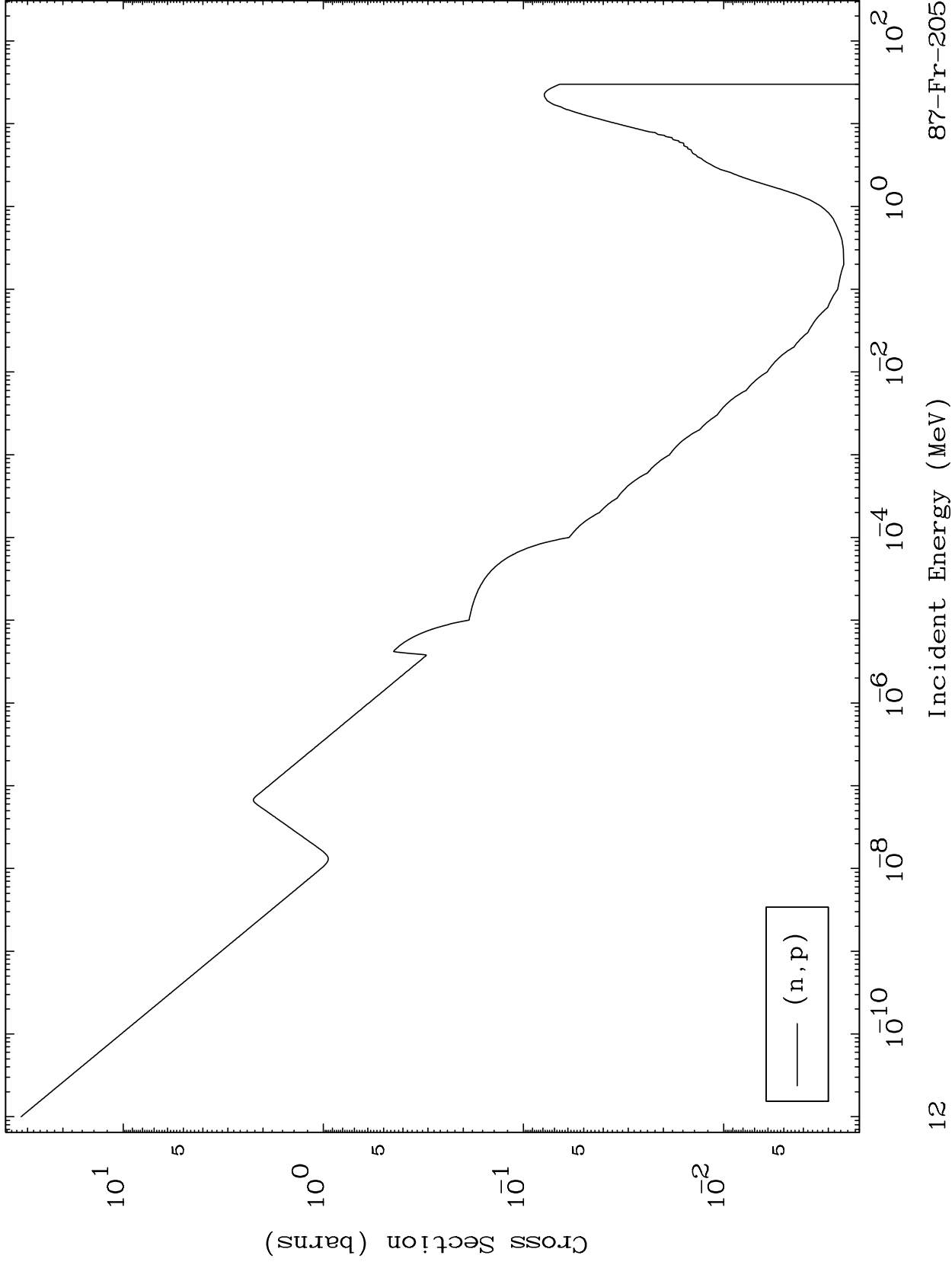
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MAT 8704

(n,p) Levels
293 Kelvin Cross Sections

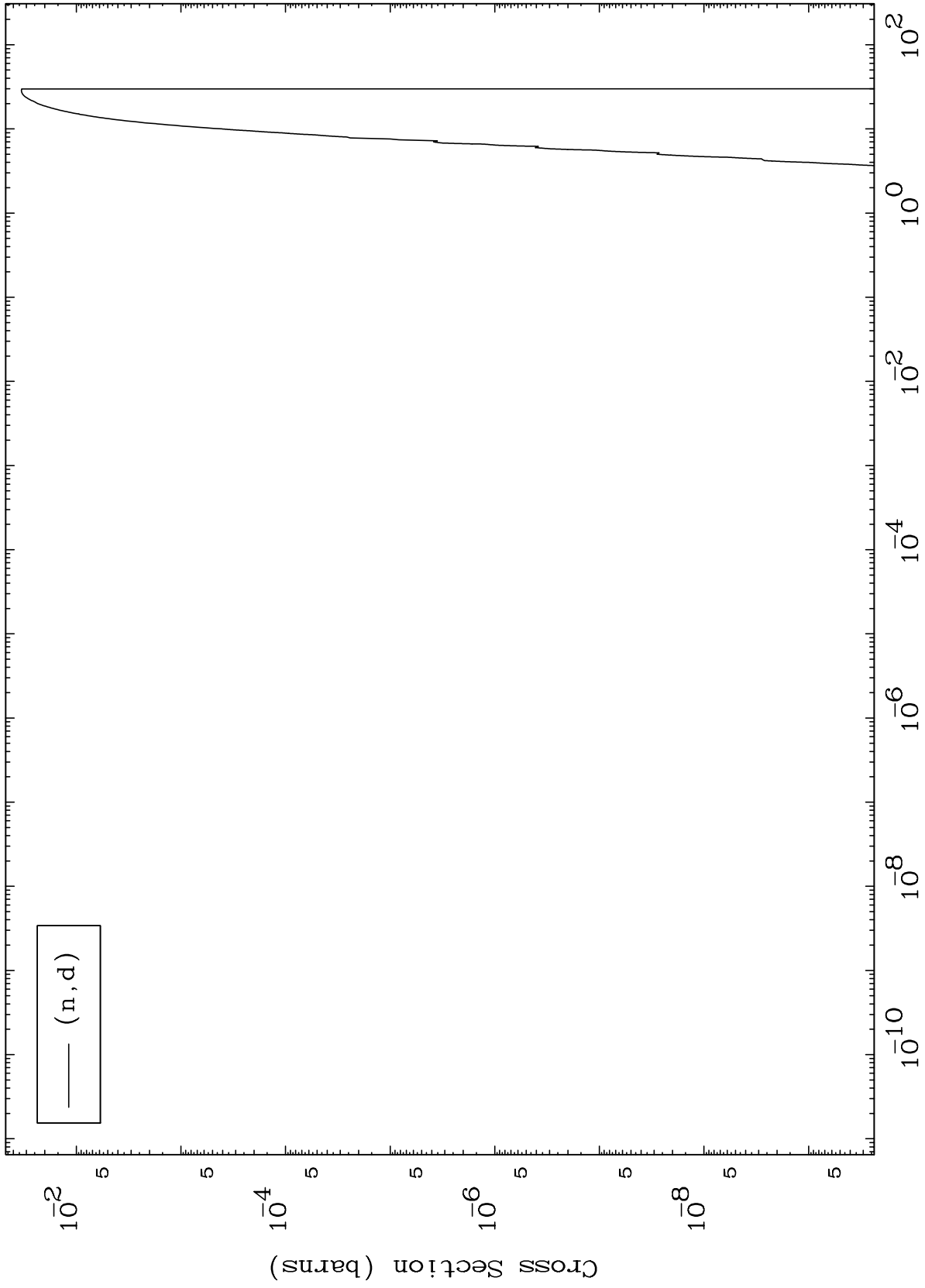
87-Fr-205



MAT 8704

(n,d) Levels
293 Kelvin Cross Sections

87-Fr-205



13

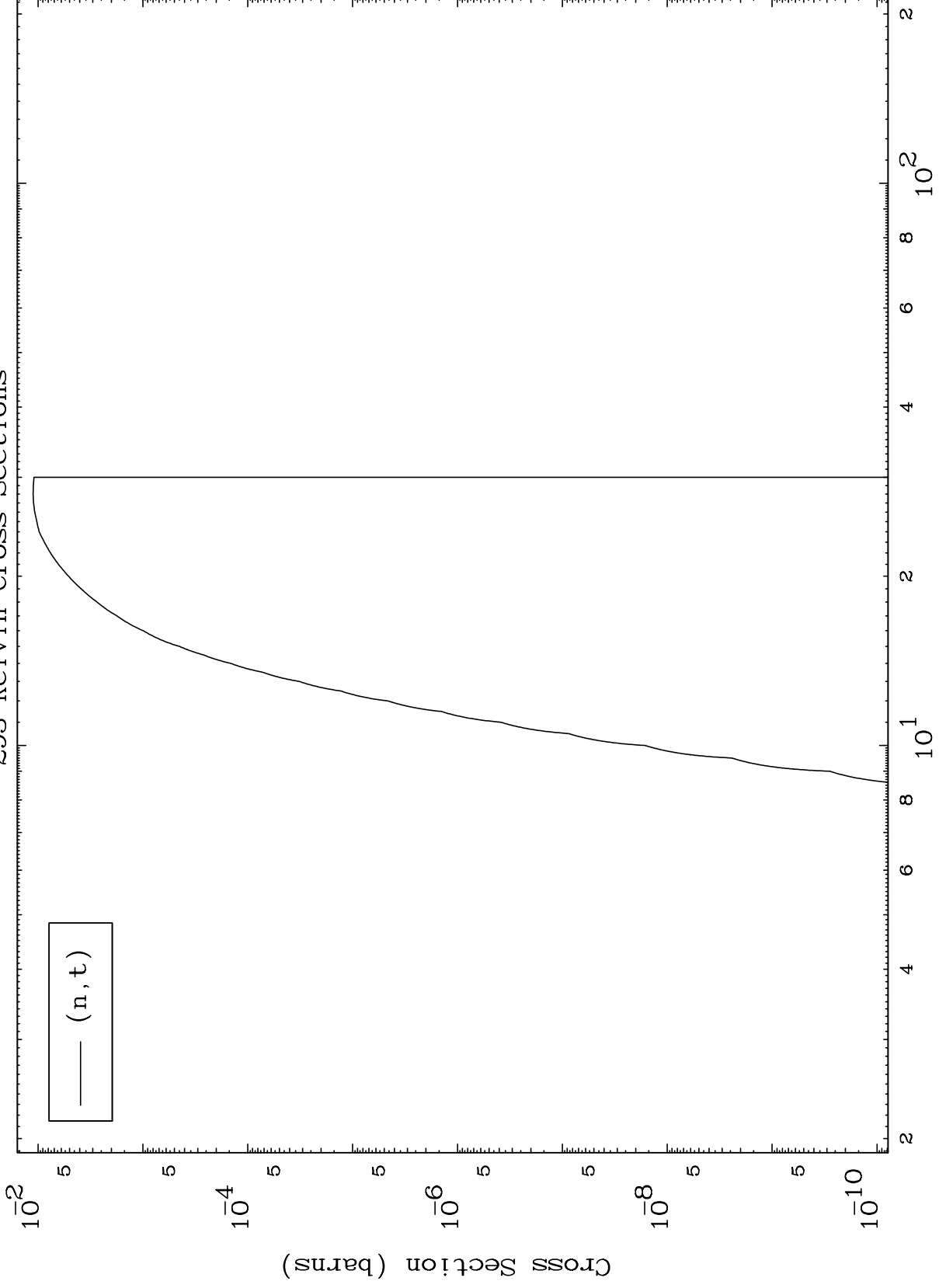
Incident Energy (MeV)

87-Fr-205

MAT 8704

(n,t) Levels
293 Kelvin Cross Sections

87-Fr-205



14

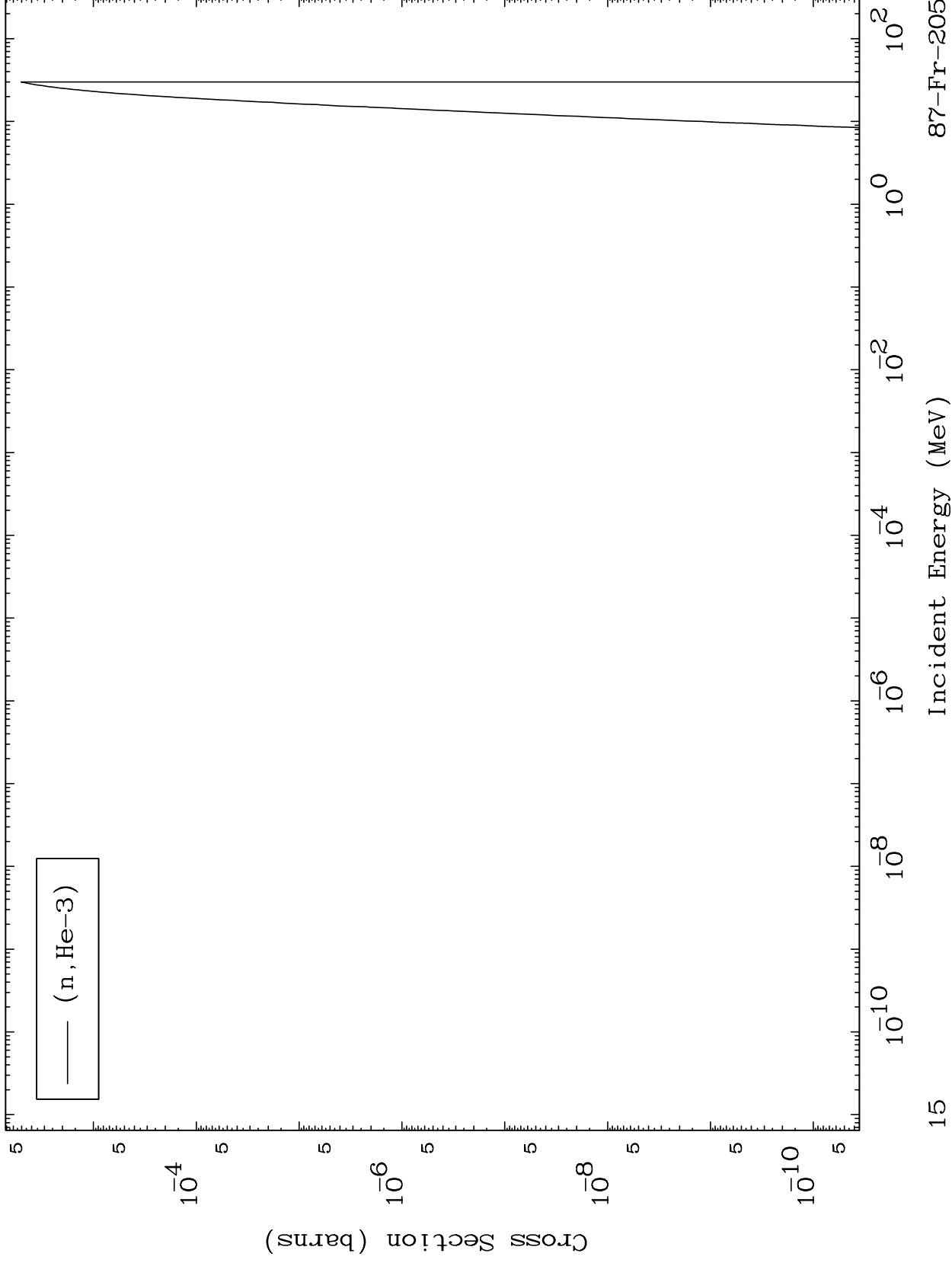
Incident Energy (MeV)

87-Fr-205

MAT 8704

(n,He3) Levels
293 Kelvin Cross Sections

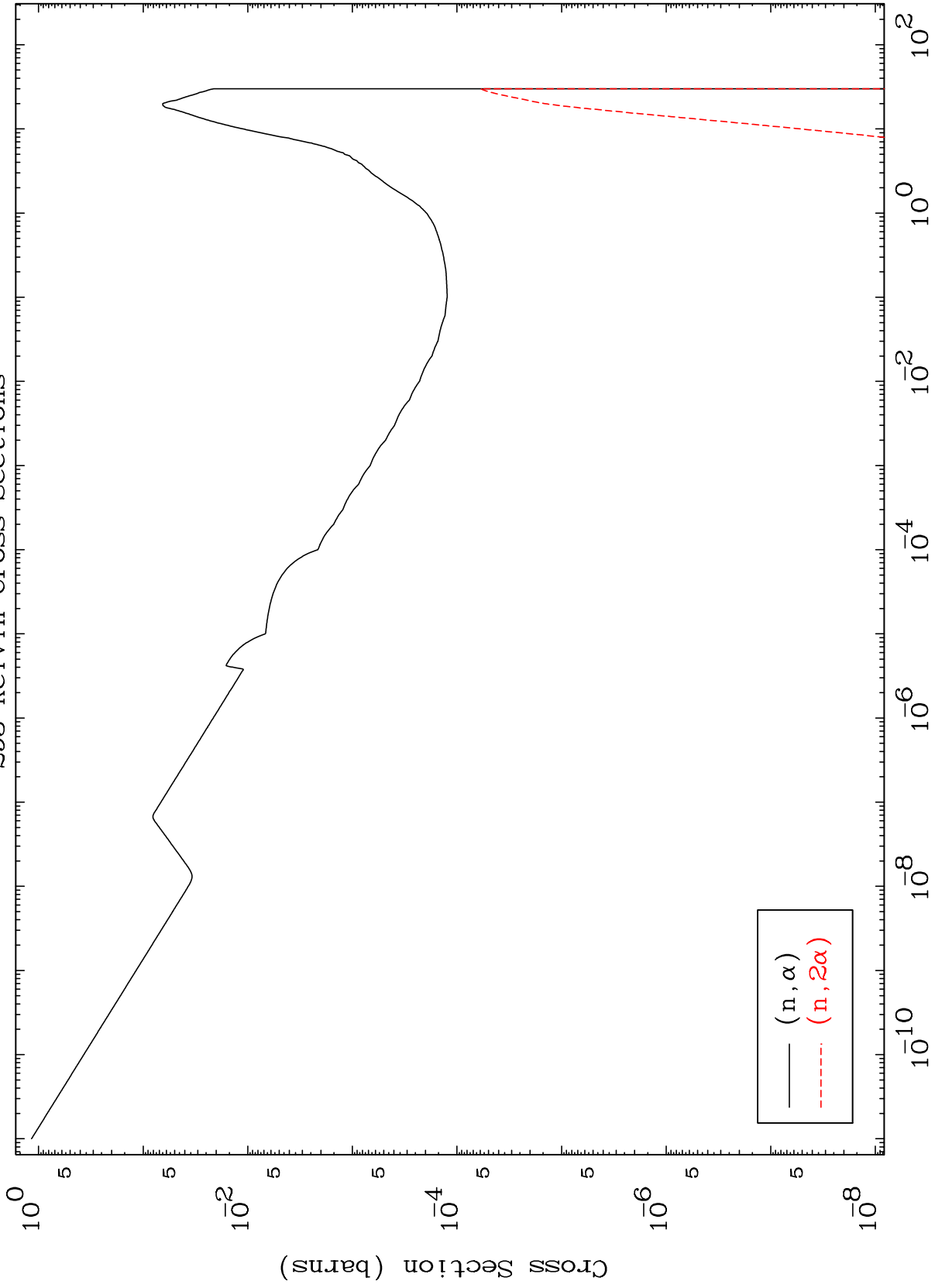
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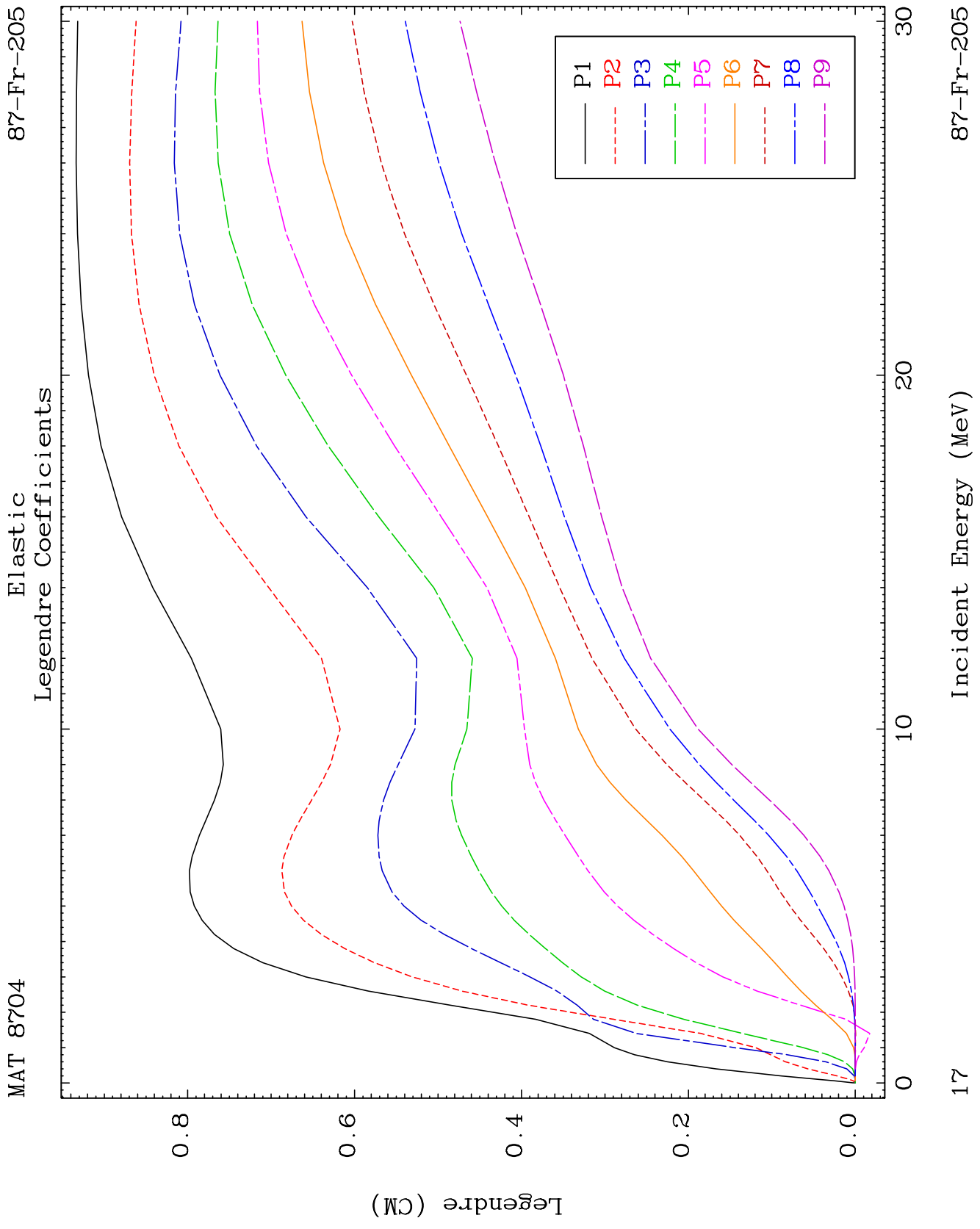


MAT 8704

(n,α) Levels
293 Kelvin Cross Sections

87-Fr-205

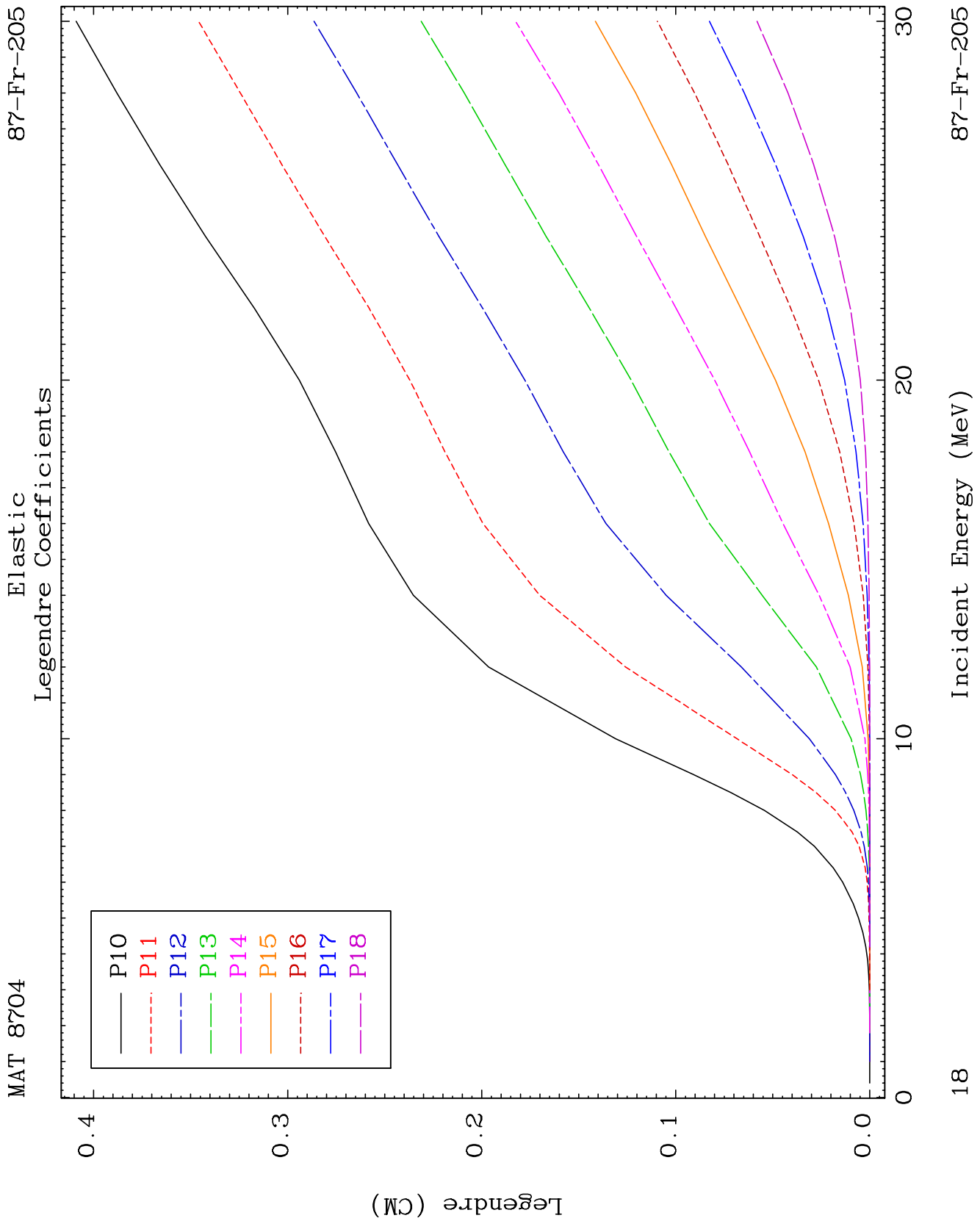




87-Fr-205

Incident Energy (MeV)

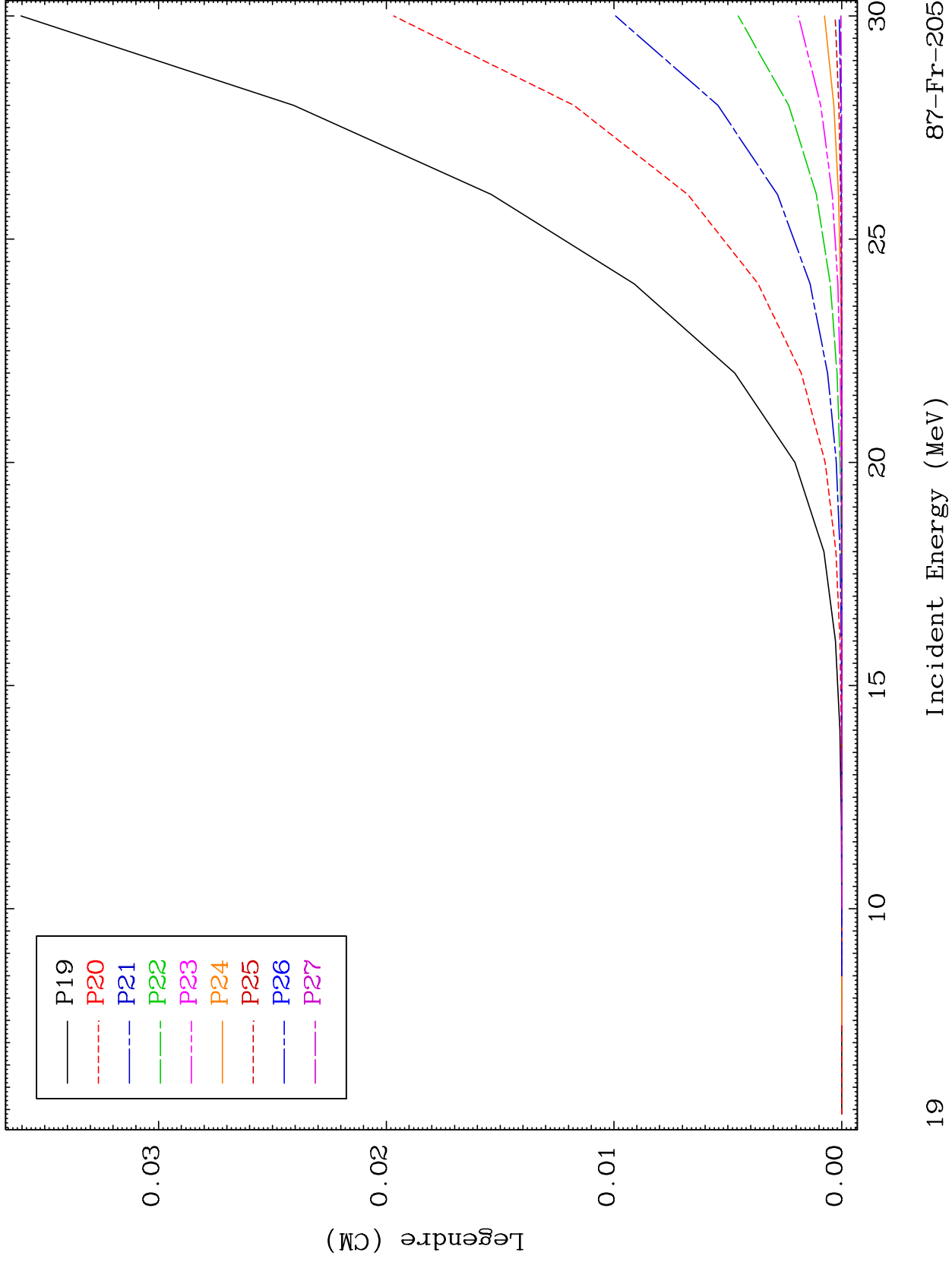
17



MAT 8704

Elastic Legendre Coefficients

87-Fr-205



19

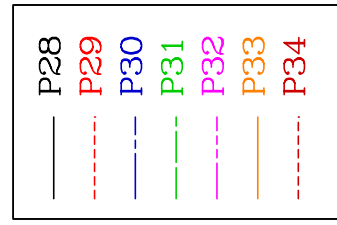
Incident Energy (MeV)

87-Fr-205

MAT 8704

Elastic
Legendre Coefficients

87-Fr-205



$\times 10^{-5}$

1.2

Legendre (CM)

0.8

0.4

0.0

15

20

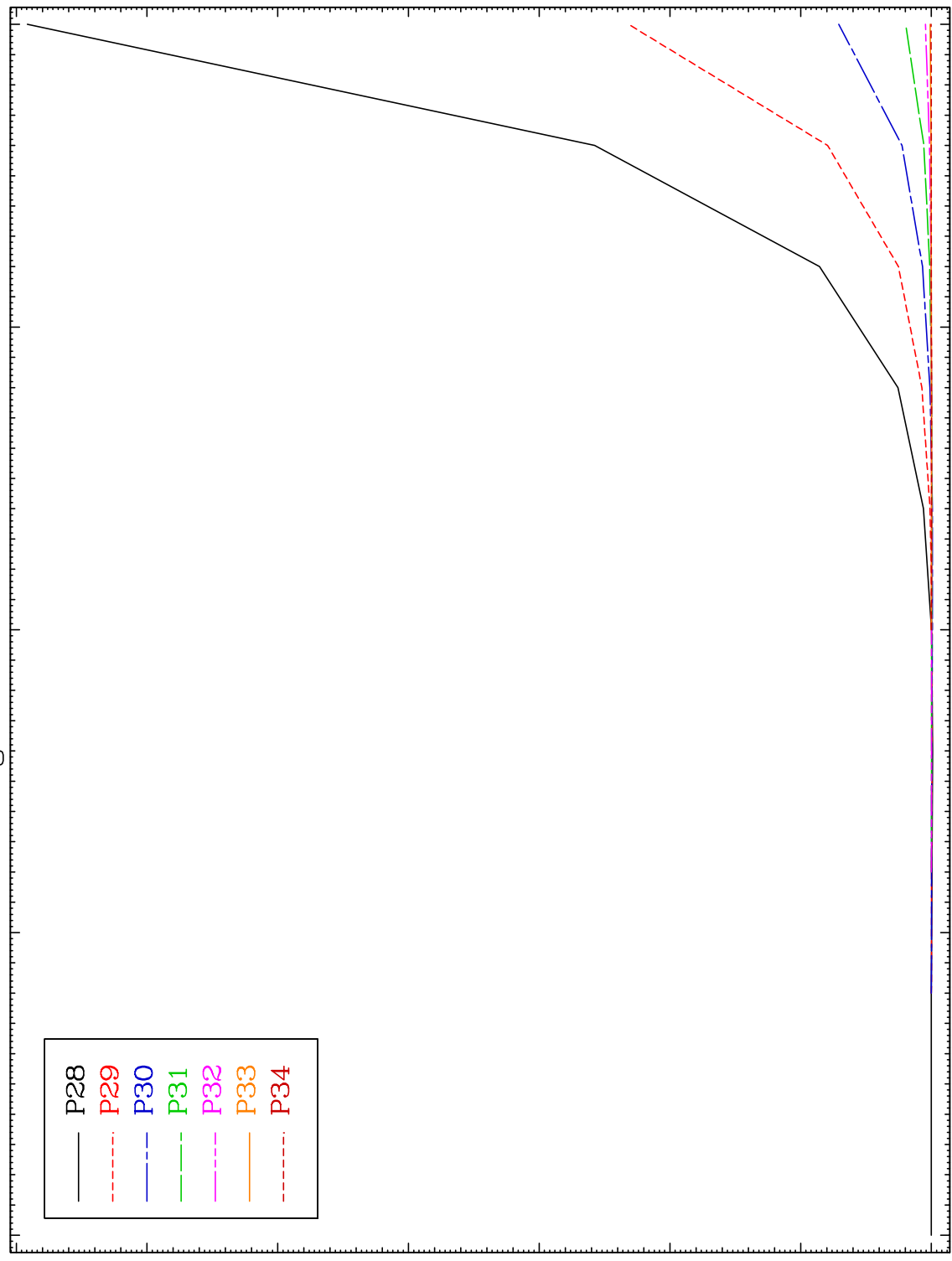
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30

20

Incident Energy (MeV)

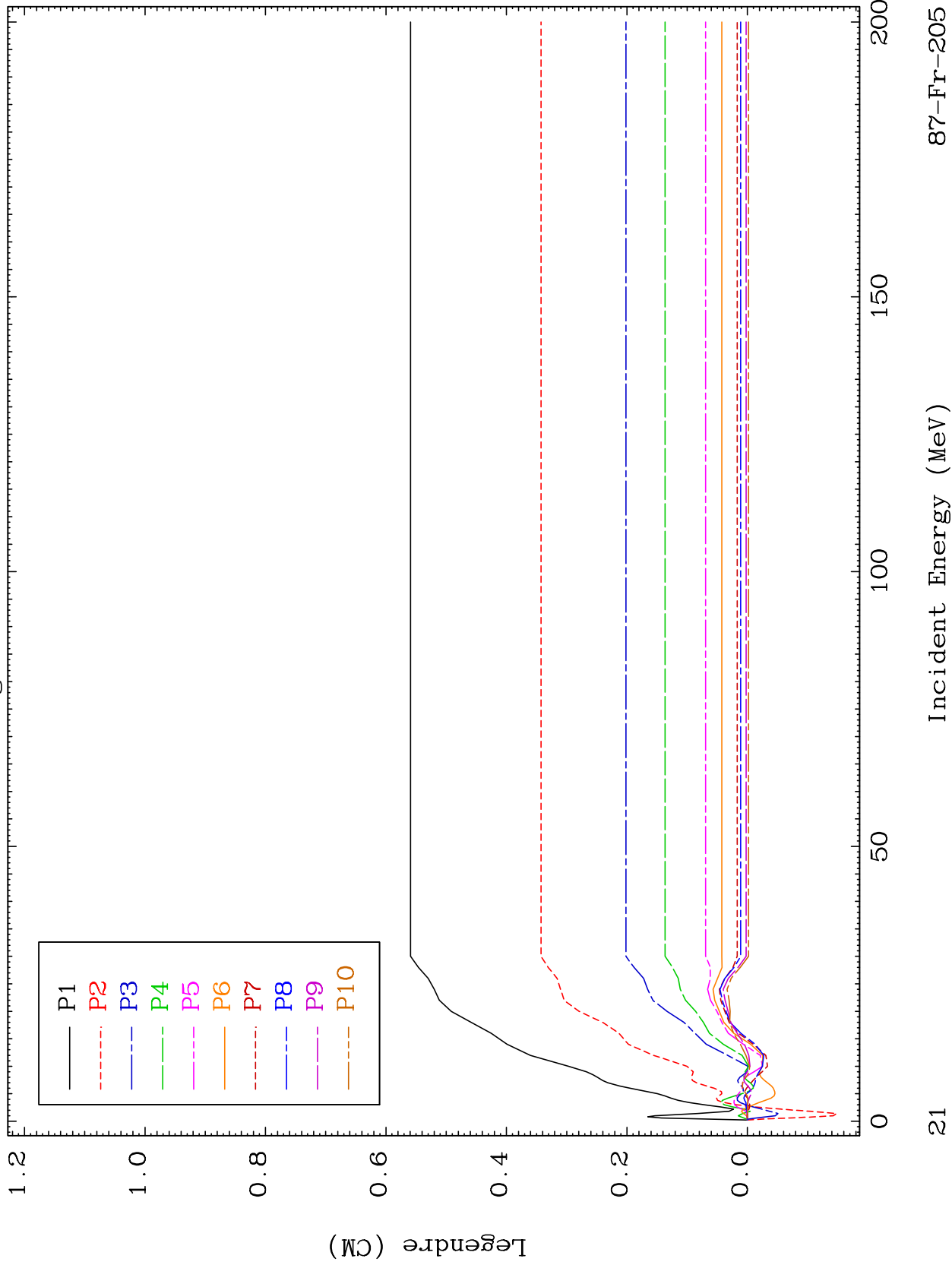
87-Fr-205



MAT 8704

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

87-Fr-205



21

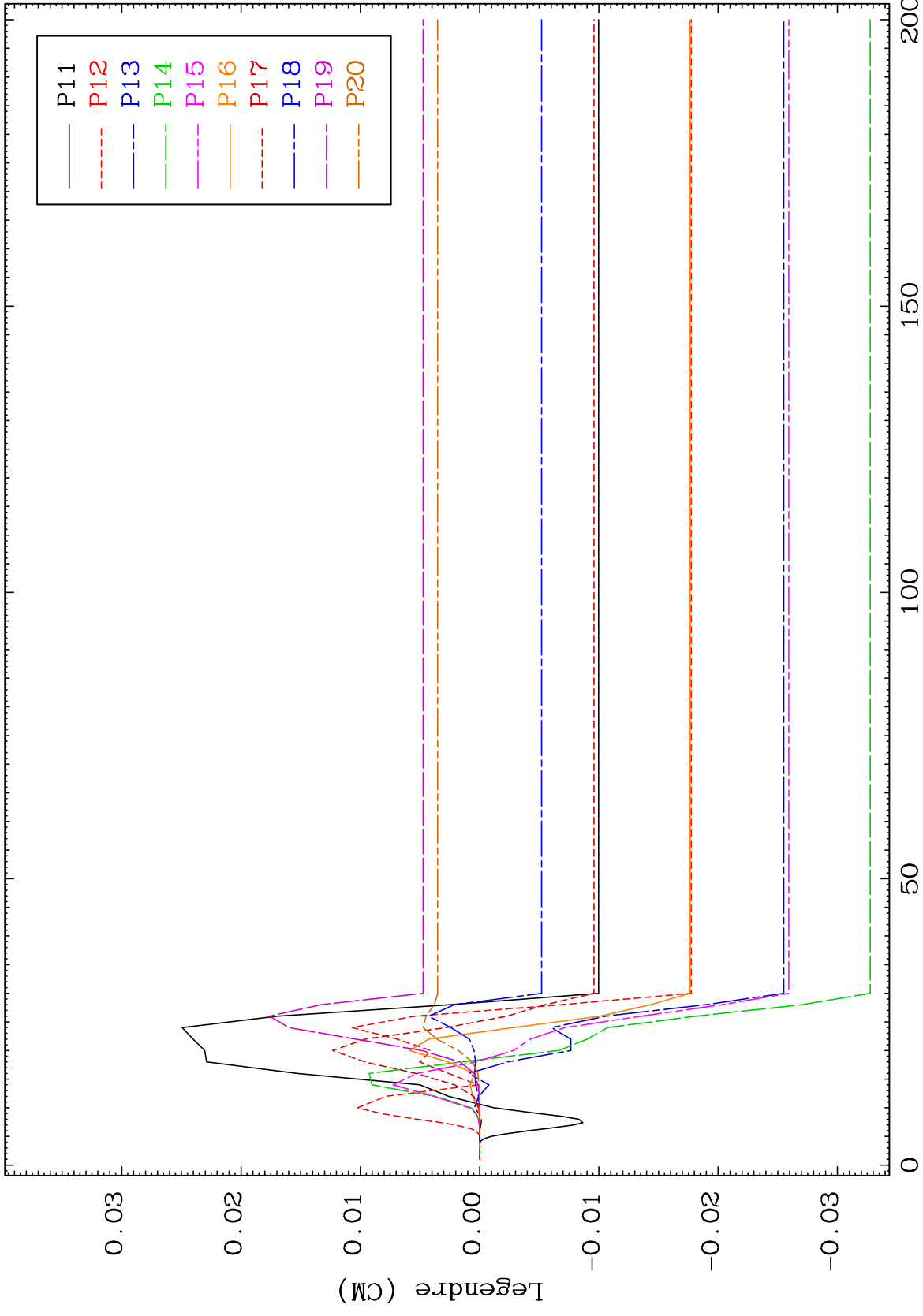
Incident Energy (MeV)

87-Fr-205

MAT 8704

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

87-Fr-205



22

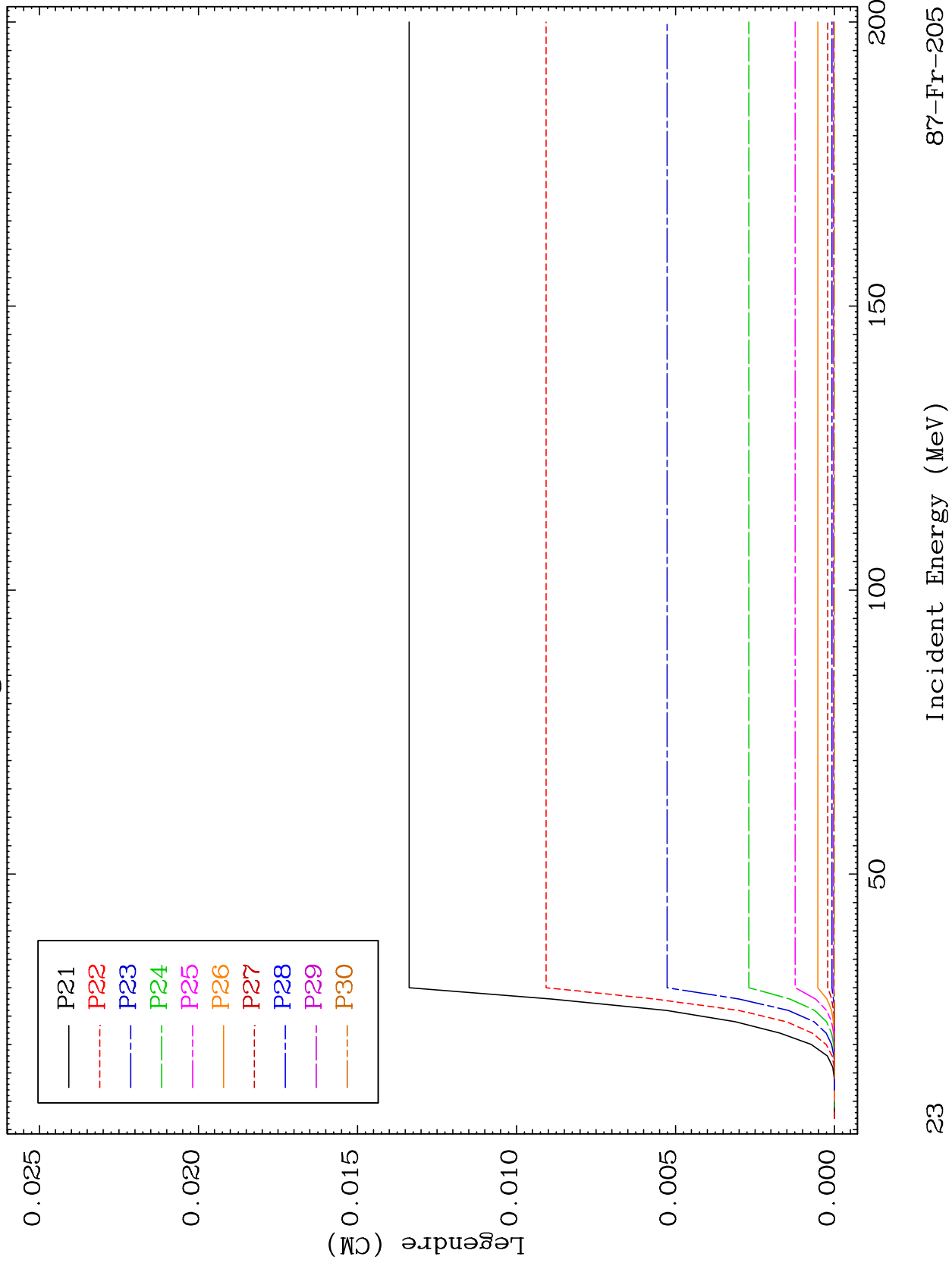
Incident Energy (MeV)

87-Fr-205

MAT 8704

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

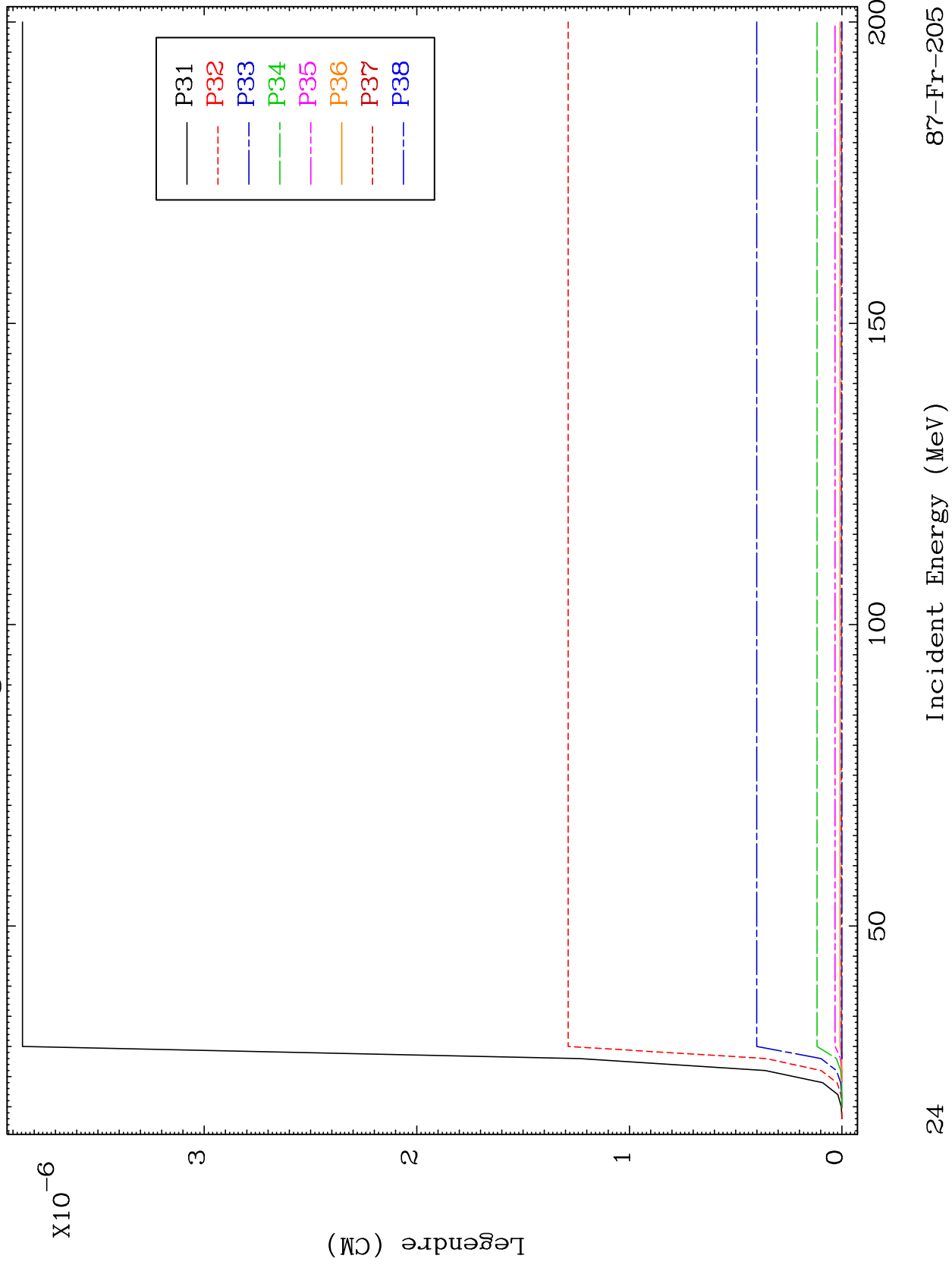
87-Fr-205



MAT 8704

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

87-Fr-205



24

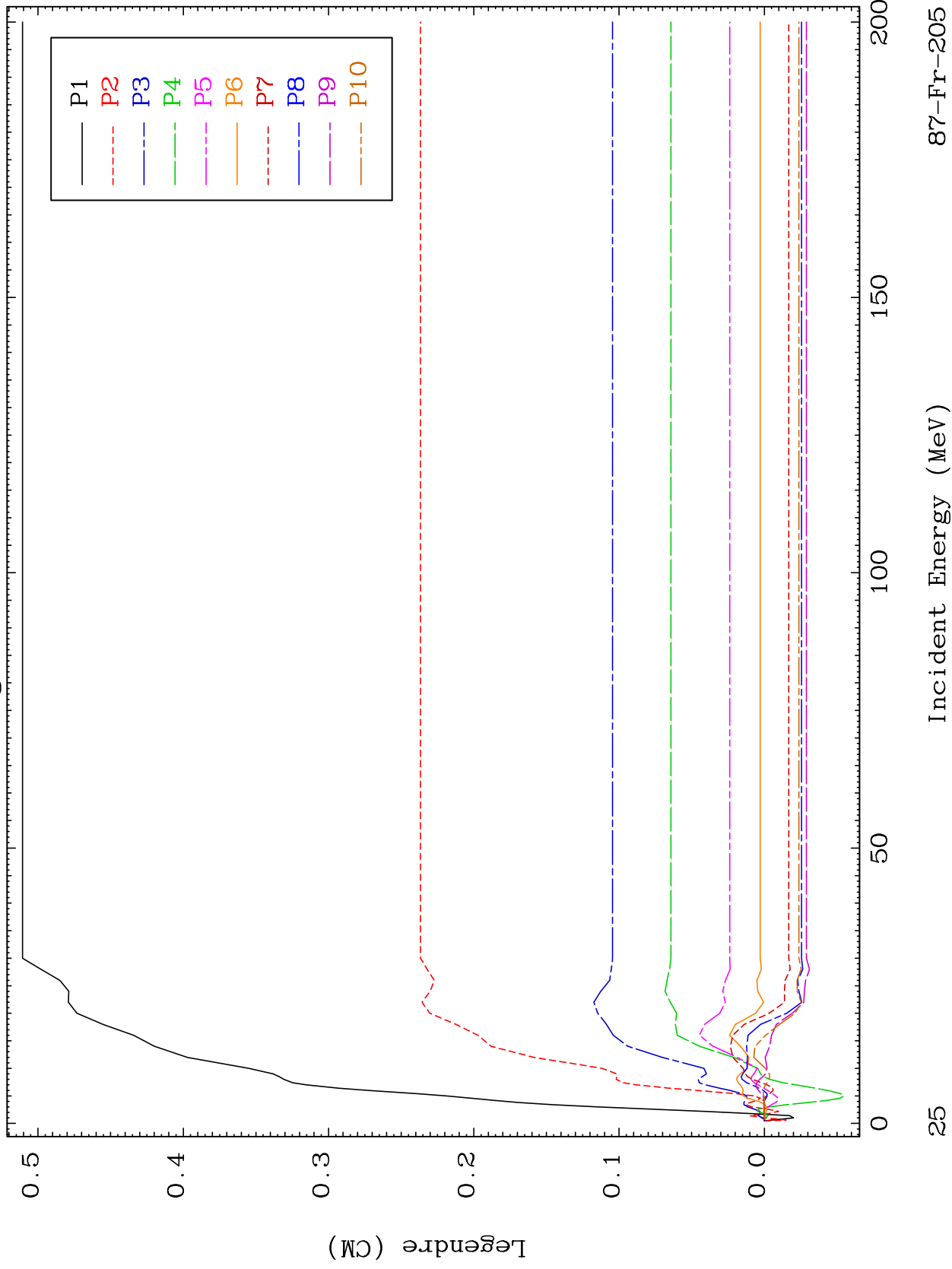
Incident Energy (MeV)

87-Fr-205

MAT 8704

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

87-Fr-205



87-Fr-205

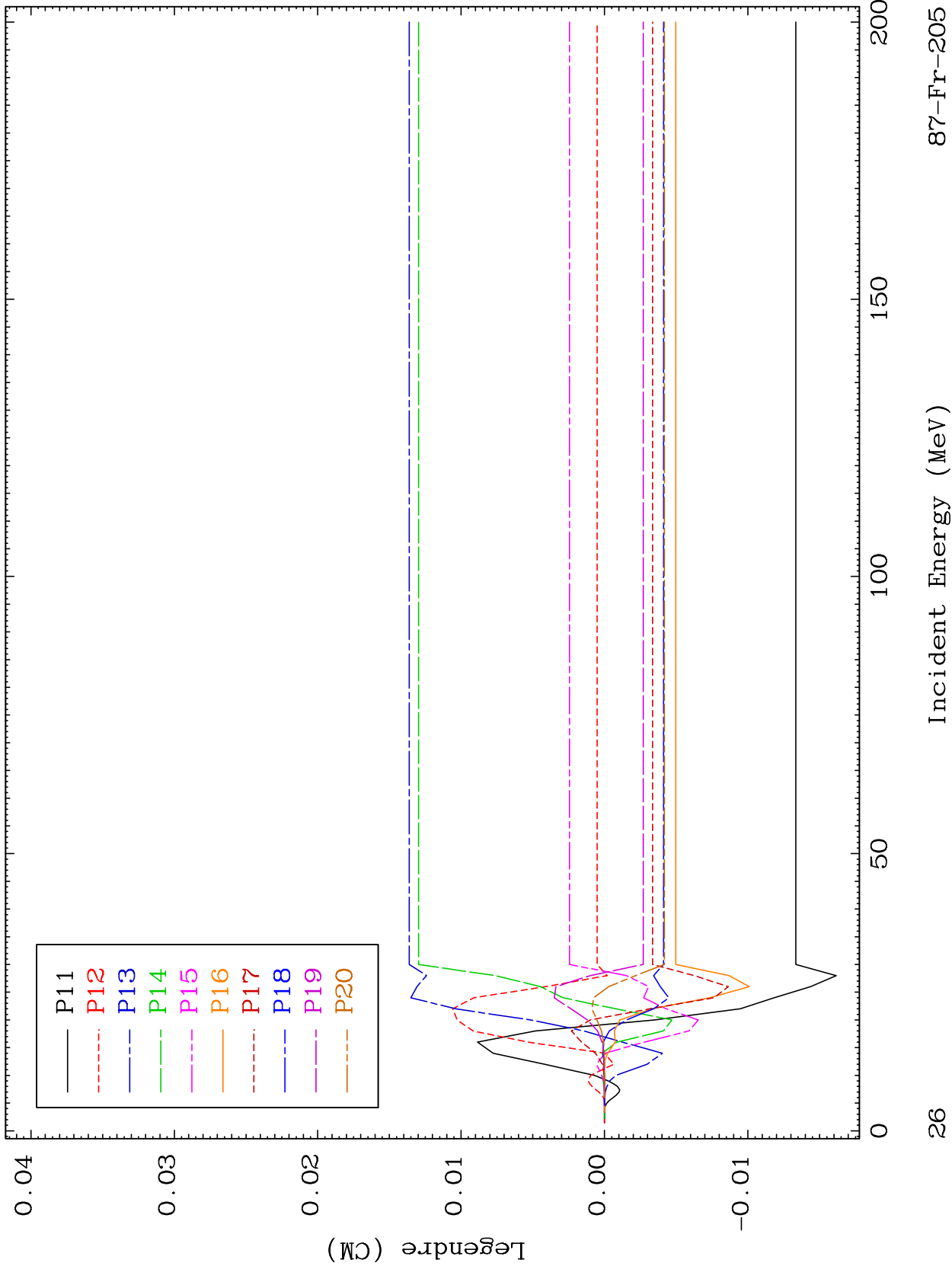
Incident Energy (MeV)

25

MAT 8704

87-Fr-205

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



26

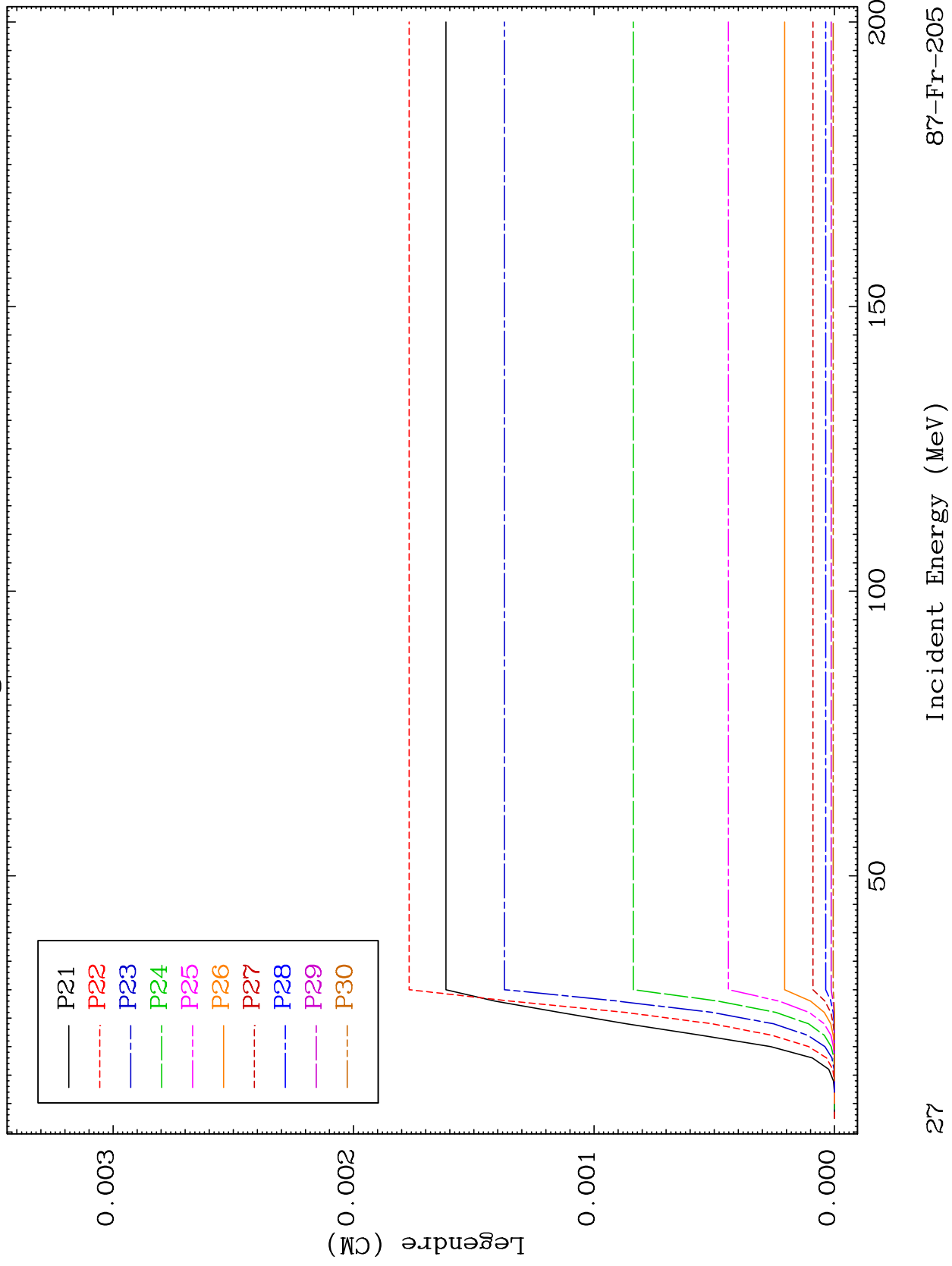
87-Fr-205

Incident Energy (MeV)

MAT 8704

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

87-Fr-205



27

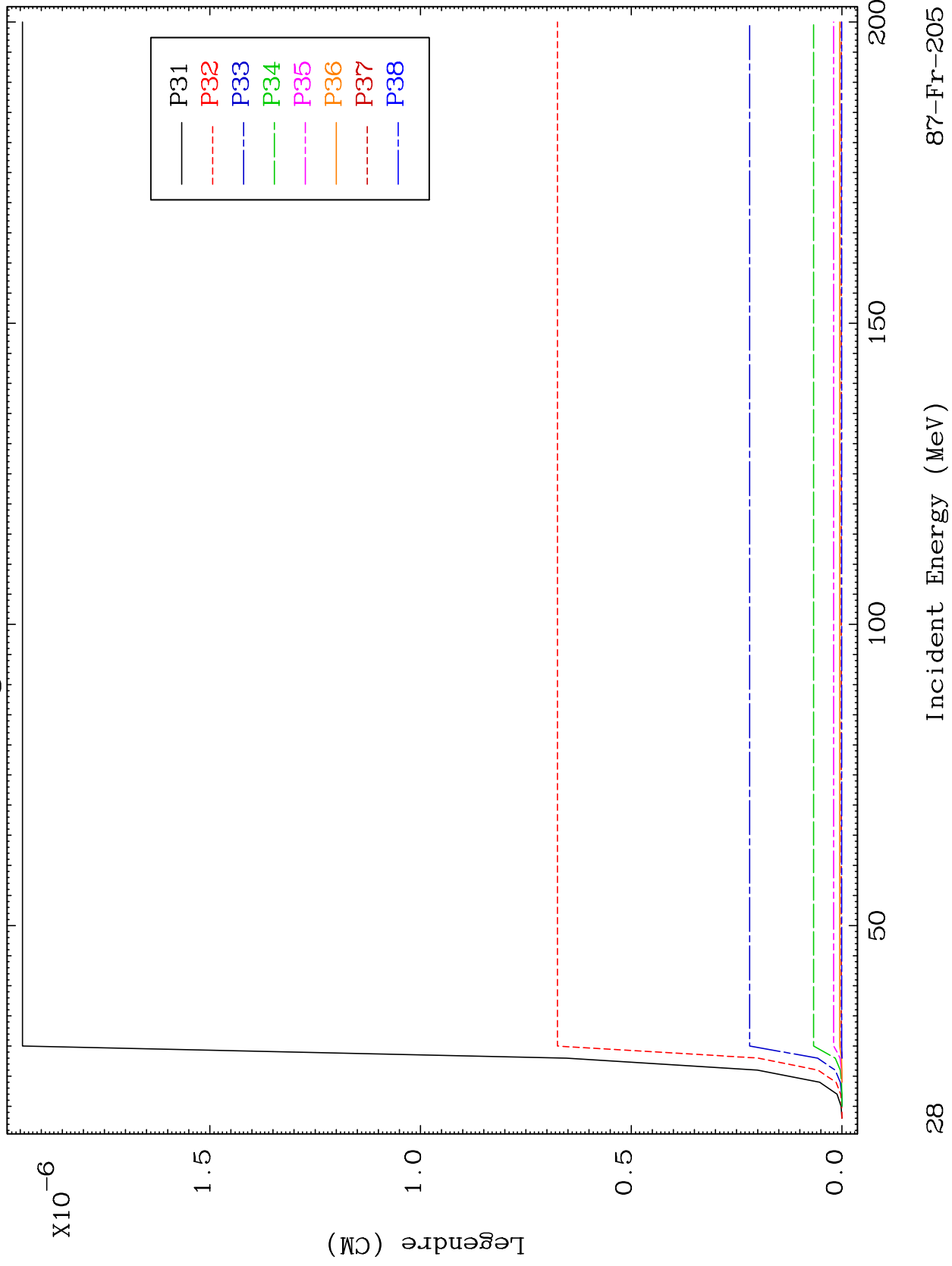
Incident Energy (MeV)

87-Fr-205

MAT 8704

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

87-Fr-205



28

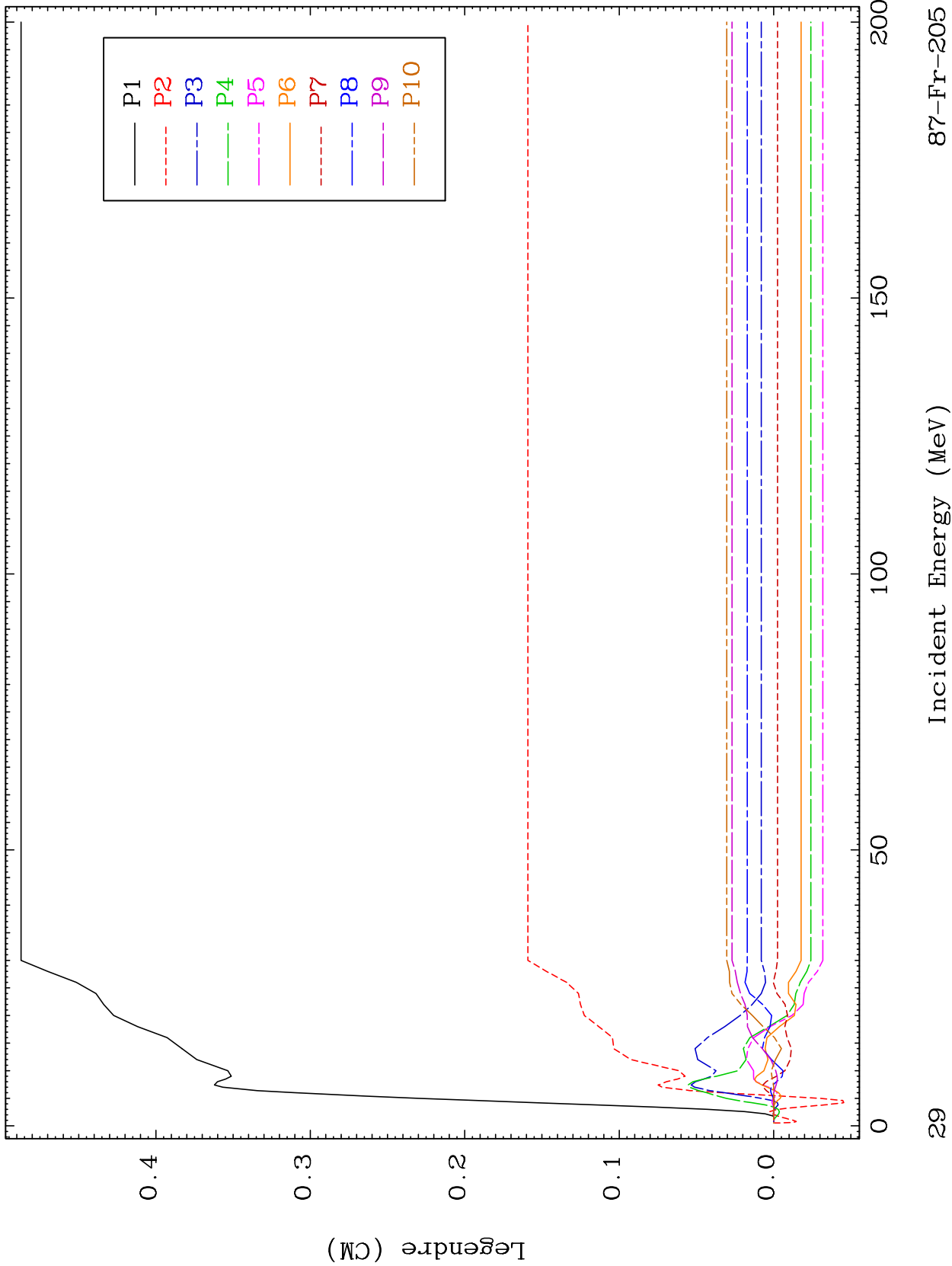
Incident Energy (MeV)

87-Fr-205

MAT 8704

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

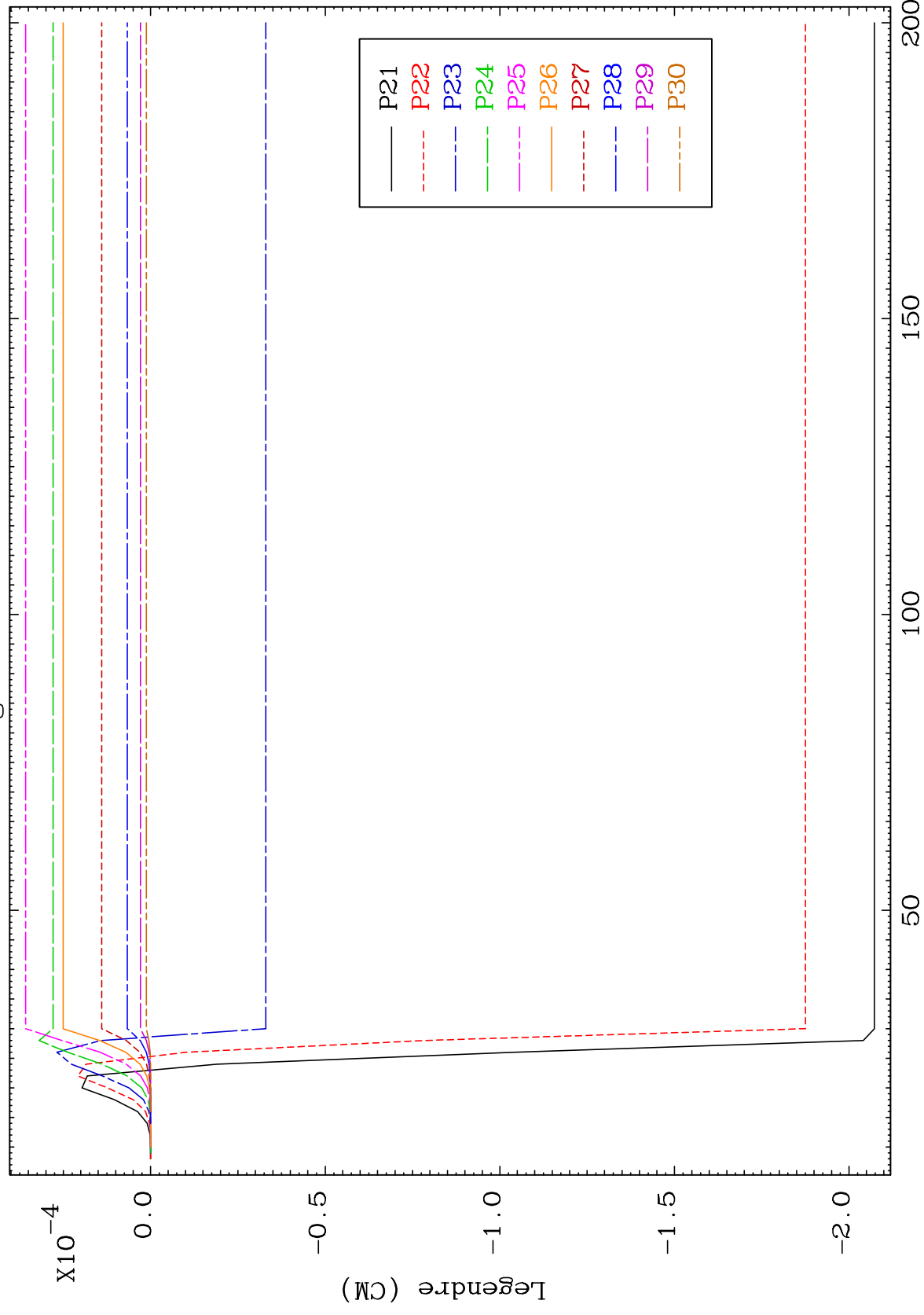
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MAT 8704

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

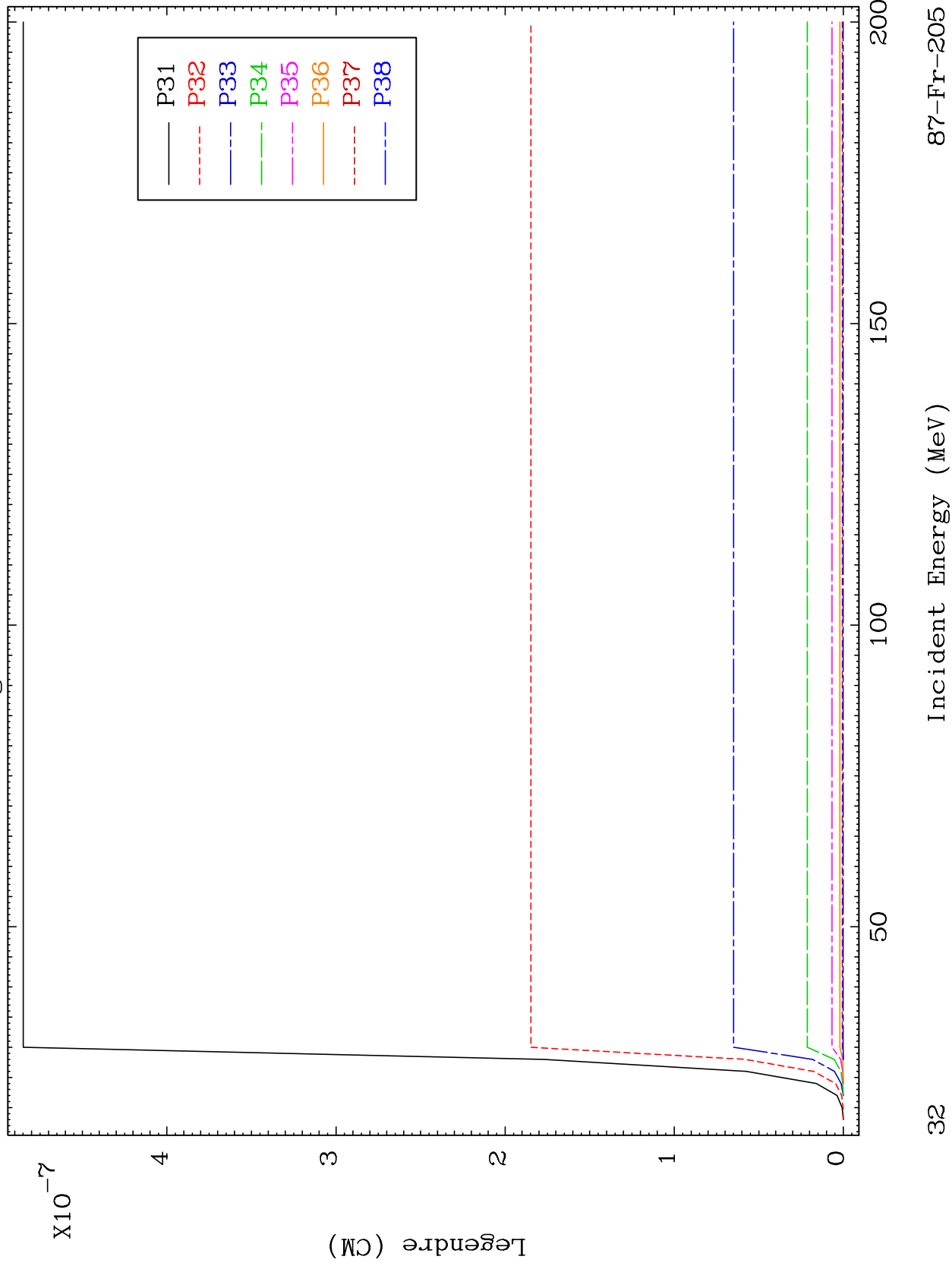
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MAT 8704

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

87-Fr-205



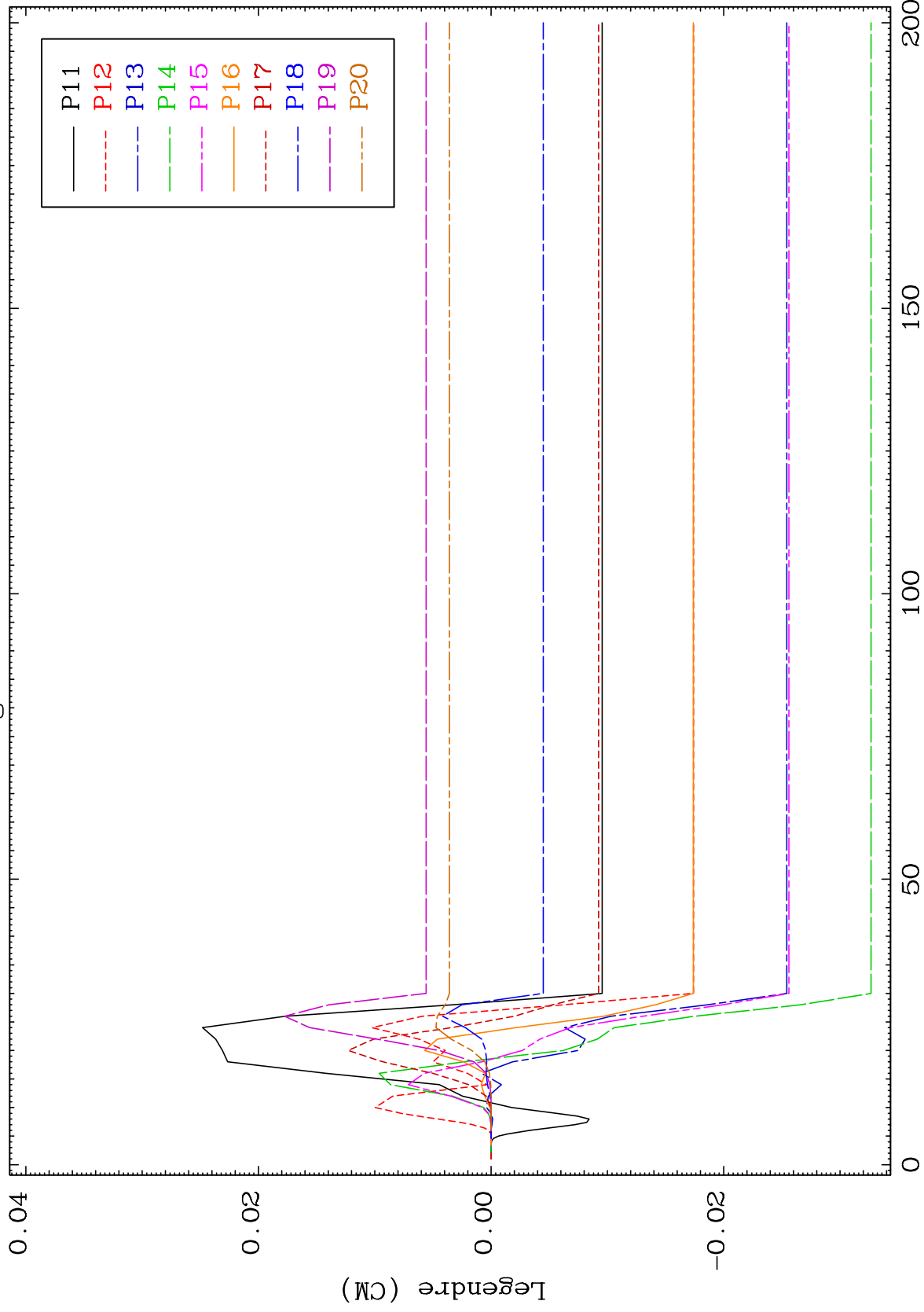
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87-Fr-205

MAT 8704

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

87-Fr-205



34

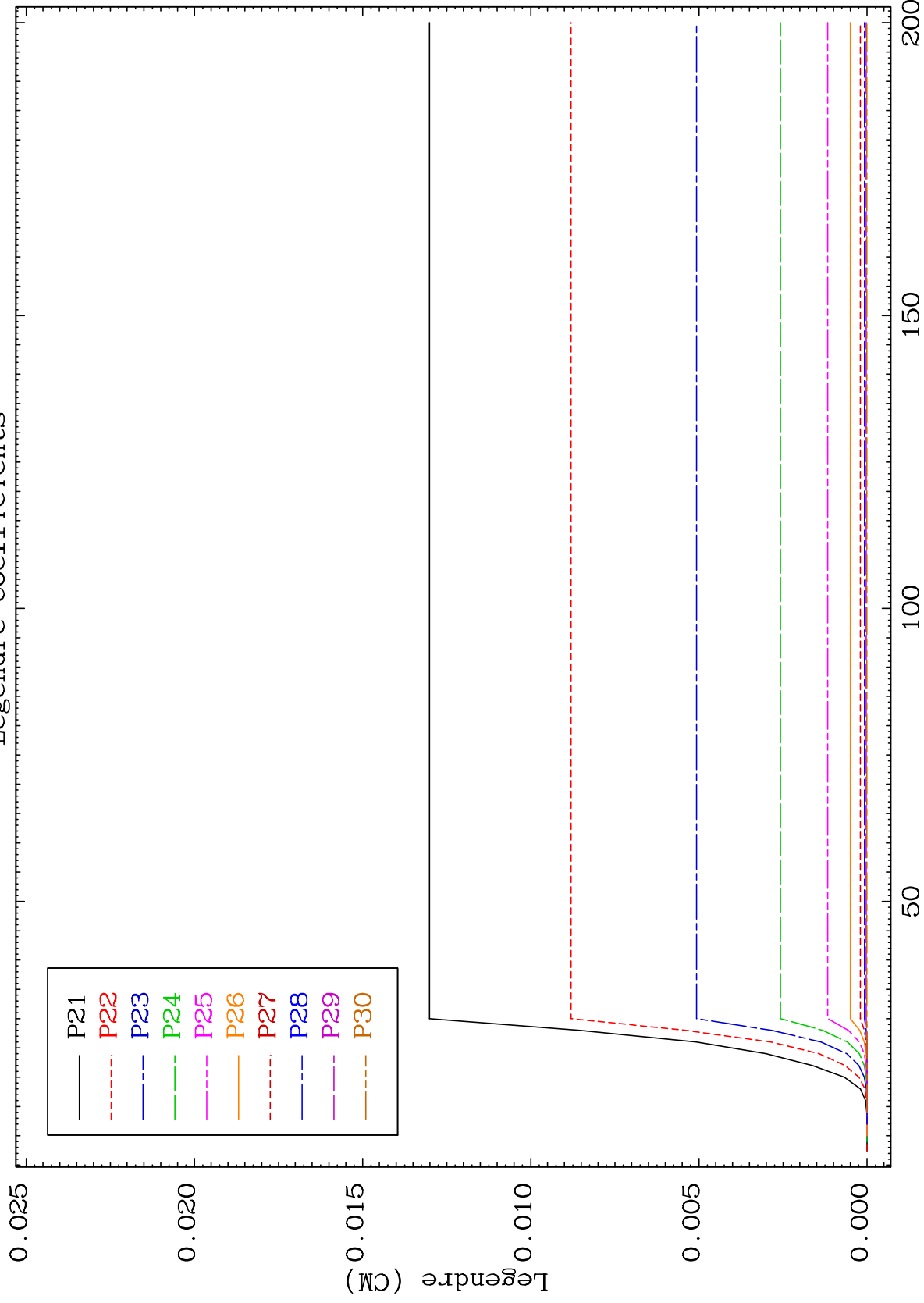
Incident Energy (MeV)

87-Fr-205

MAT 8704

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

87-Fr-205



35

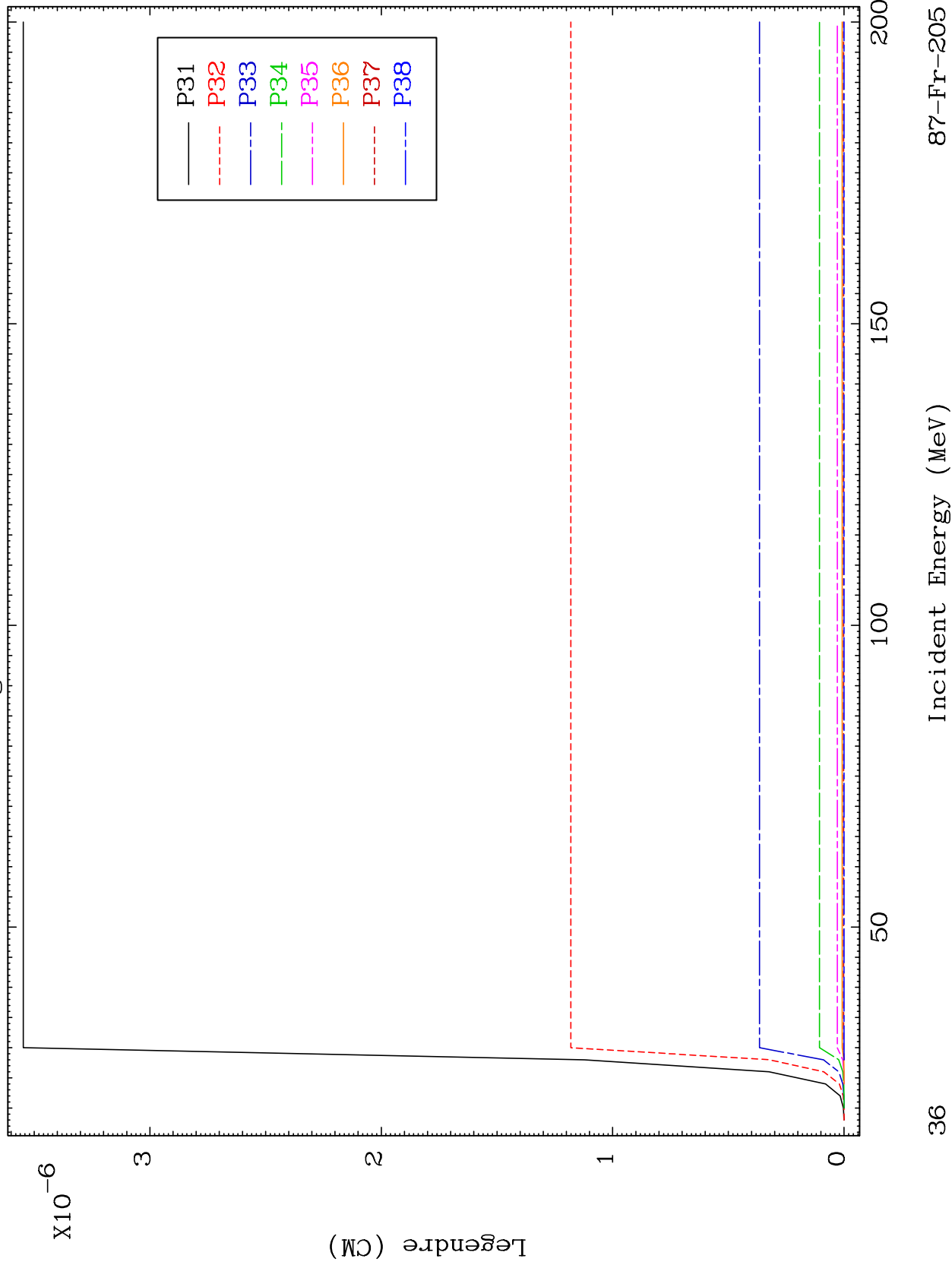
Incident Energy (MeV)

87-Fr-205

MAT 8704

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

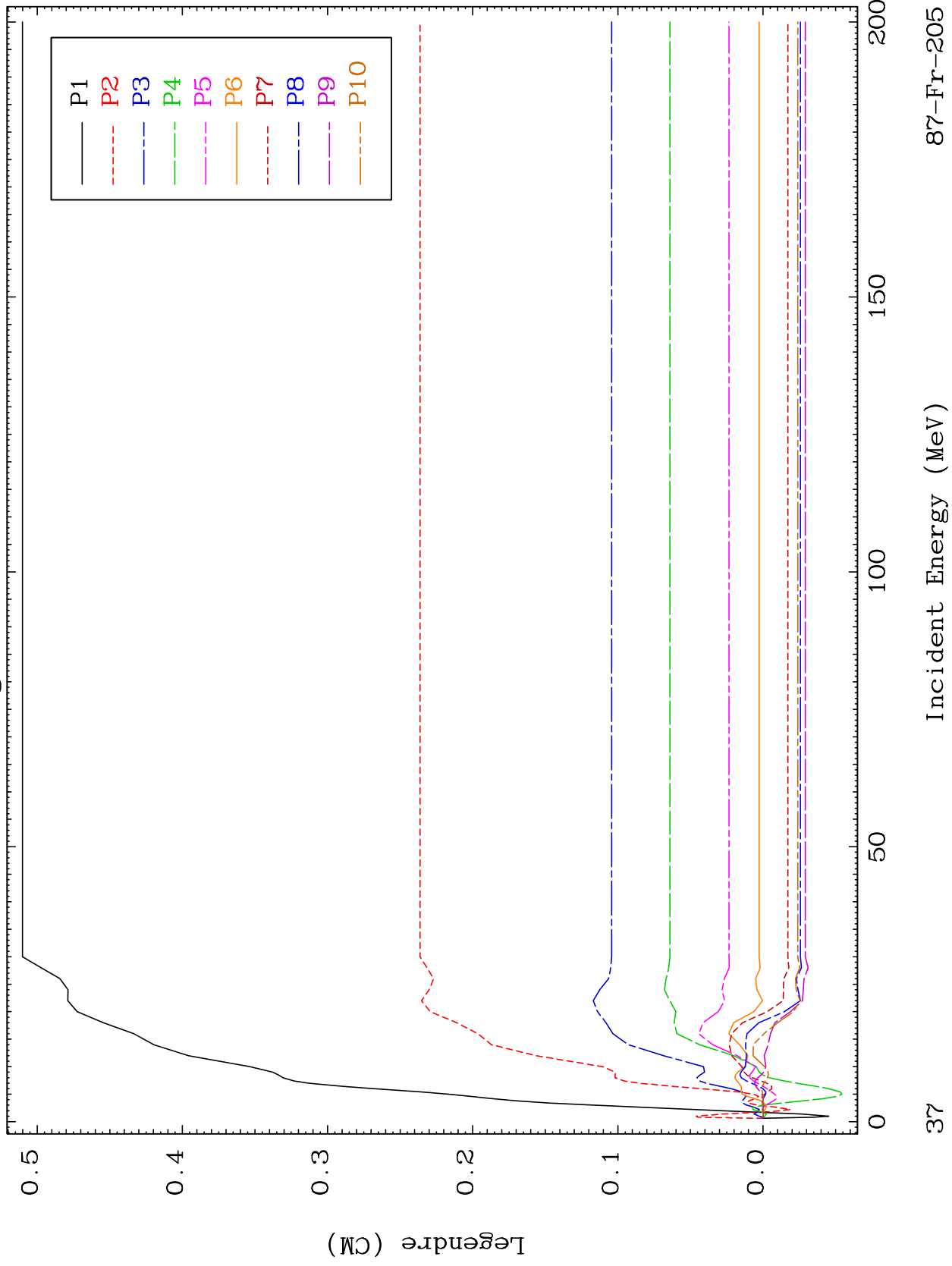
87-Fr-205



MAT 8704

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

87-Fr-205



87-Fr-205

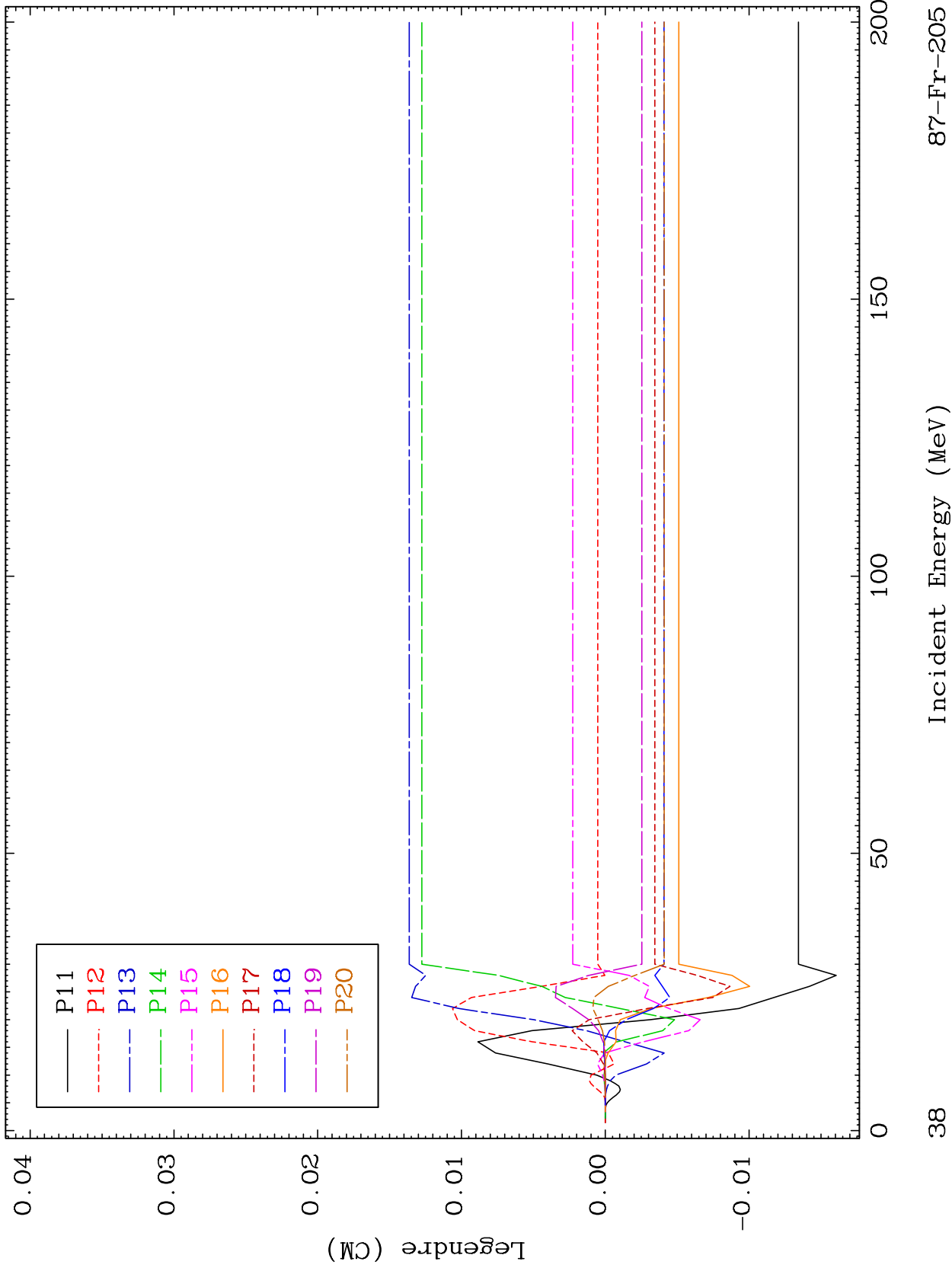
Incident Energy (MeV)

37

MAT 8704

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

87-Fr-205



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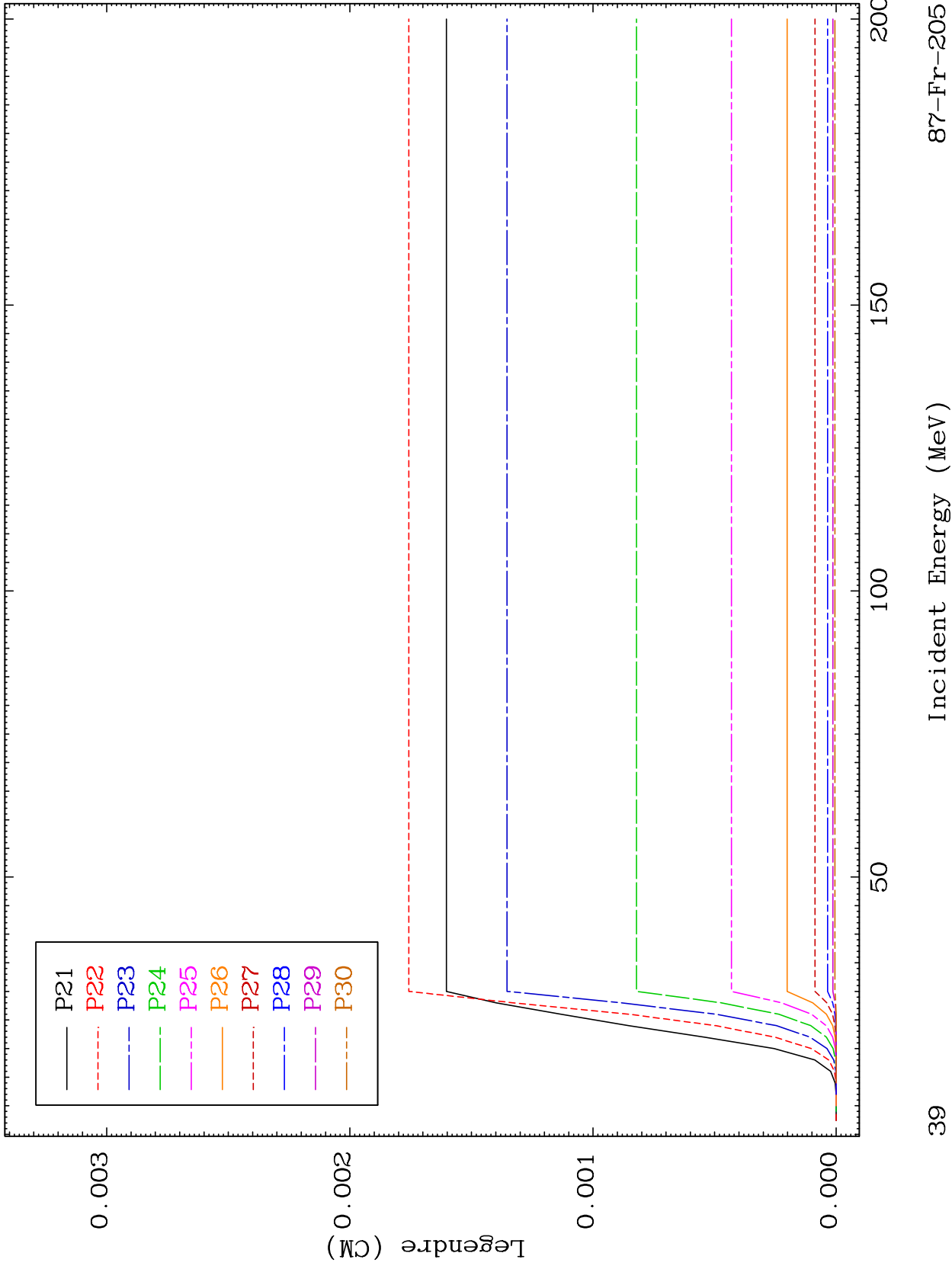
Incident Energy (MeV)

87-Fr-205

MAT 8704

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

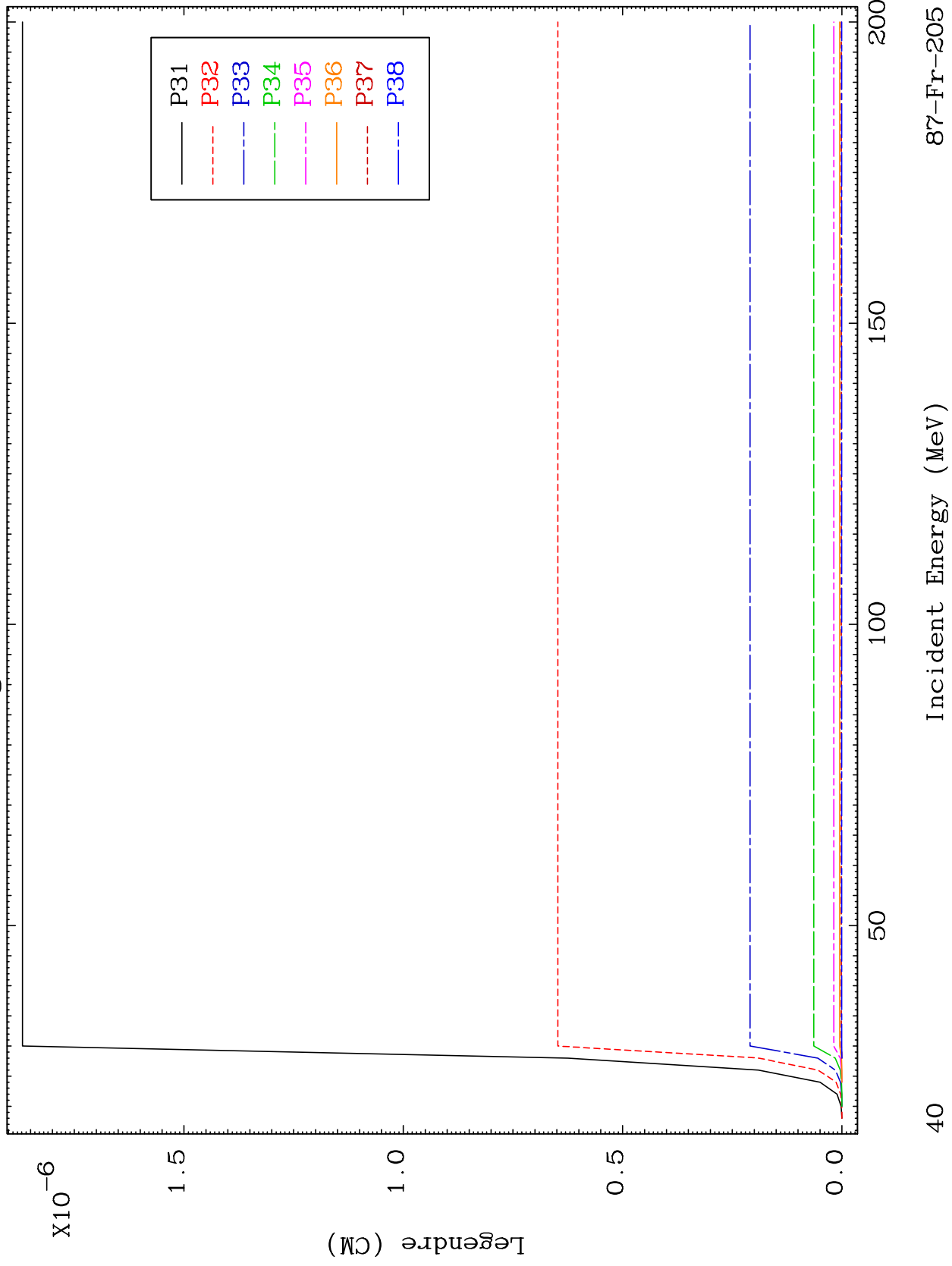
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MAT 8704

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

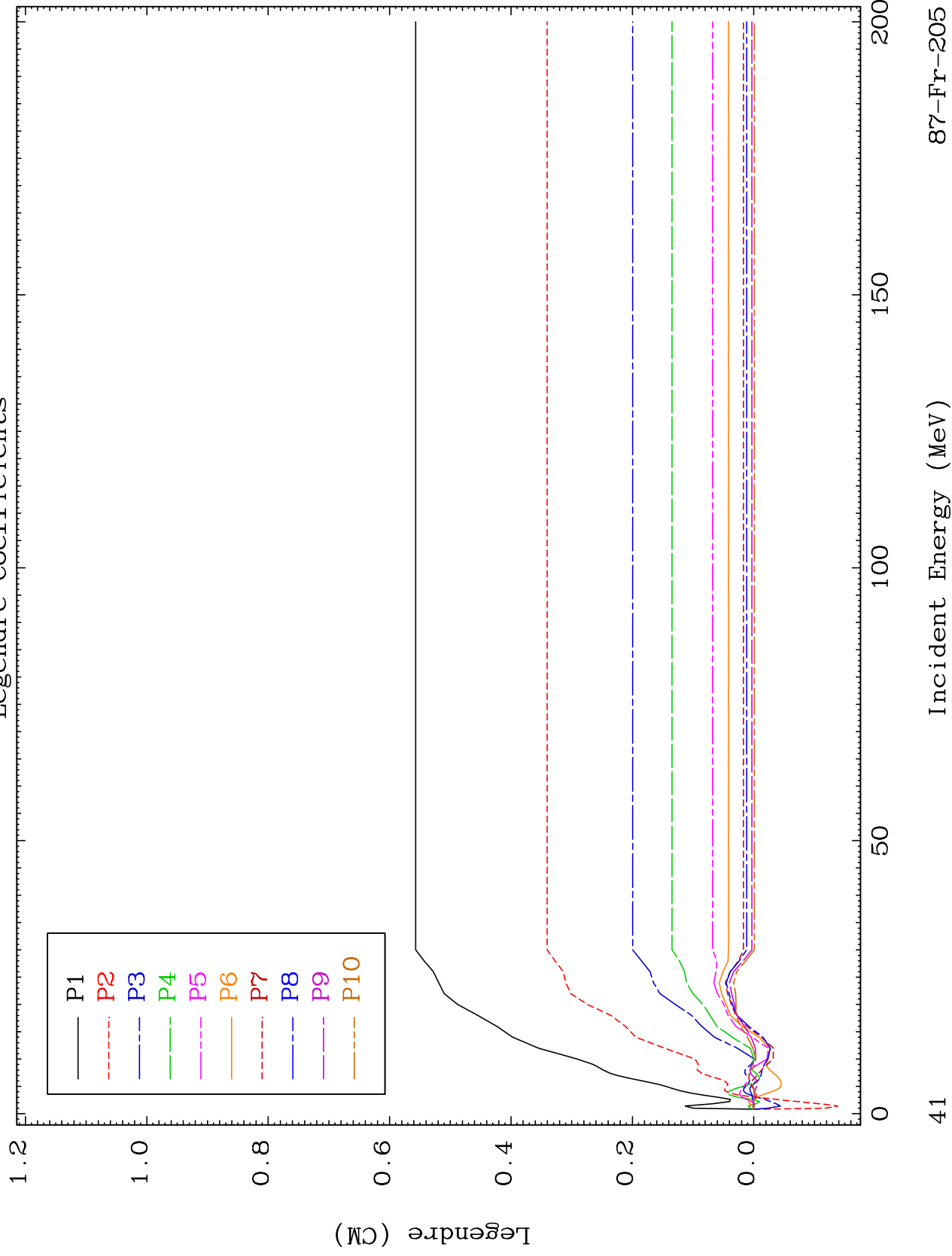
87-Fr-205



MAT 8704

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

87-Fr-205



41

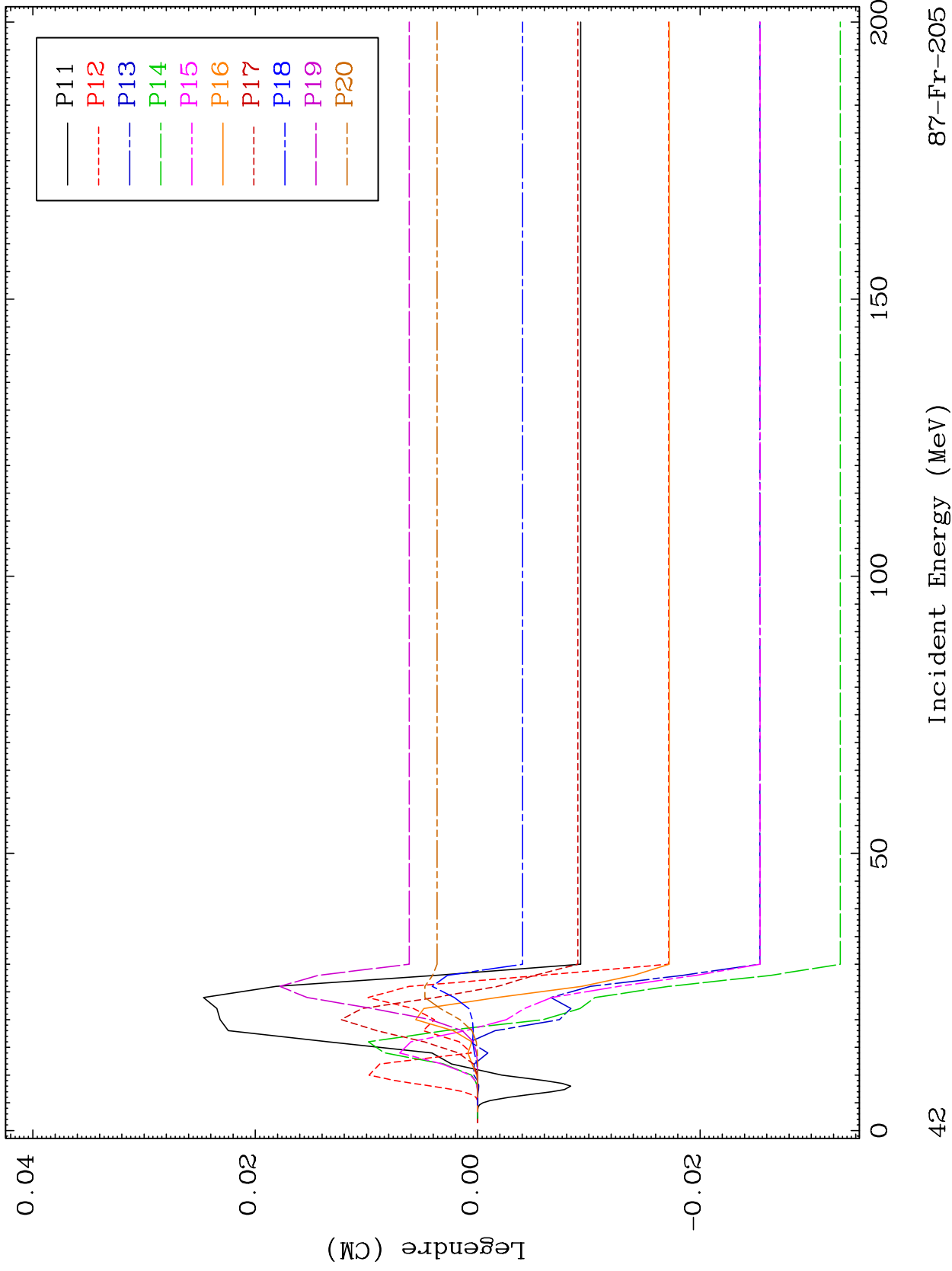
Incident Energy (MeV)

87-Fr-205

MAT 8704

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

87-Fr-205



87-Fr-205

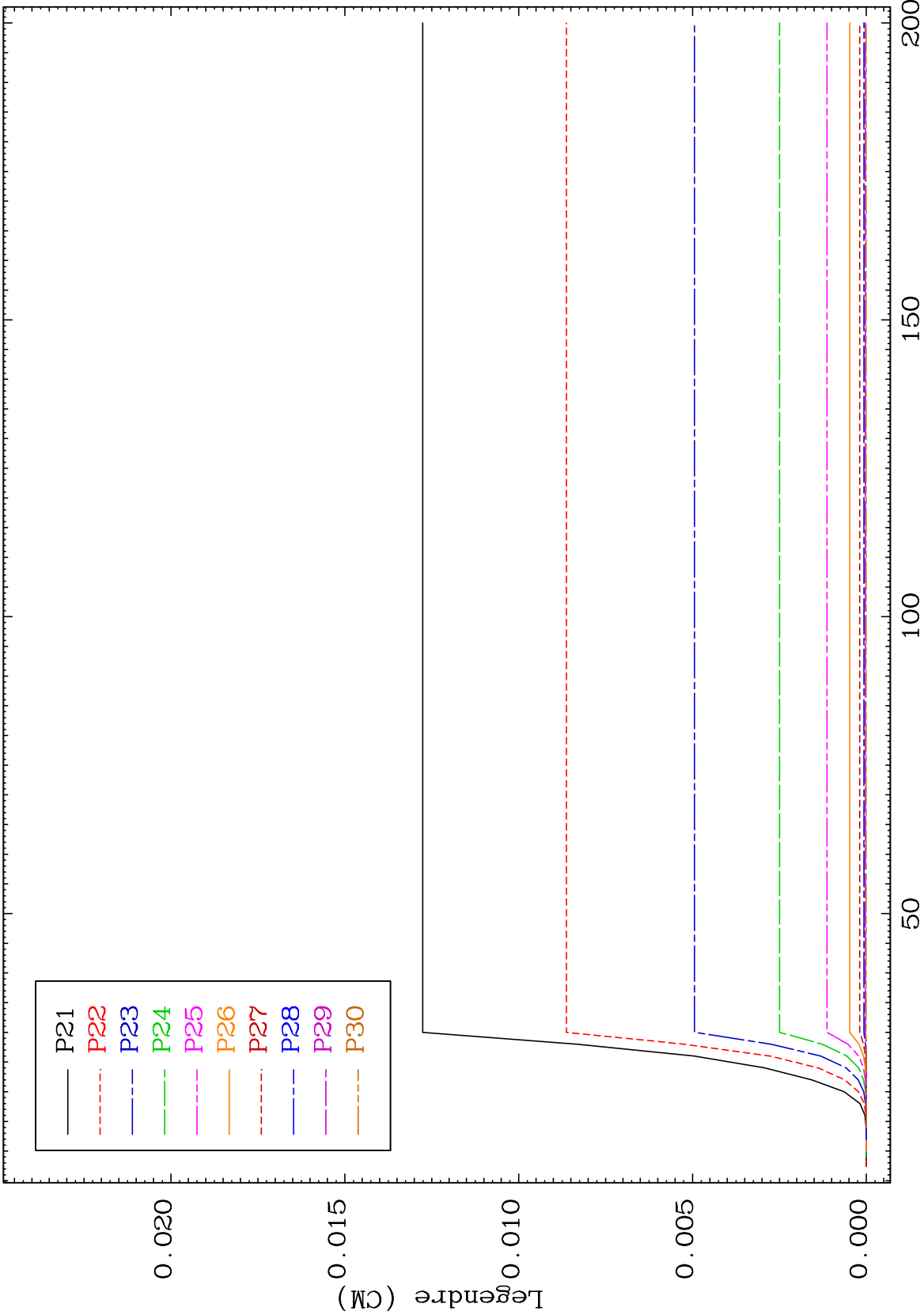
Incident Energy (MeV)

42

MAT 8704

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

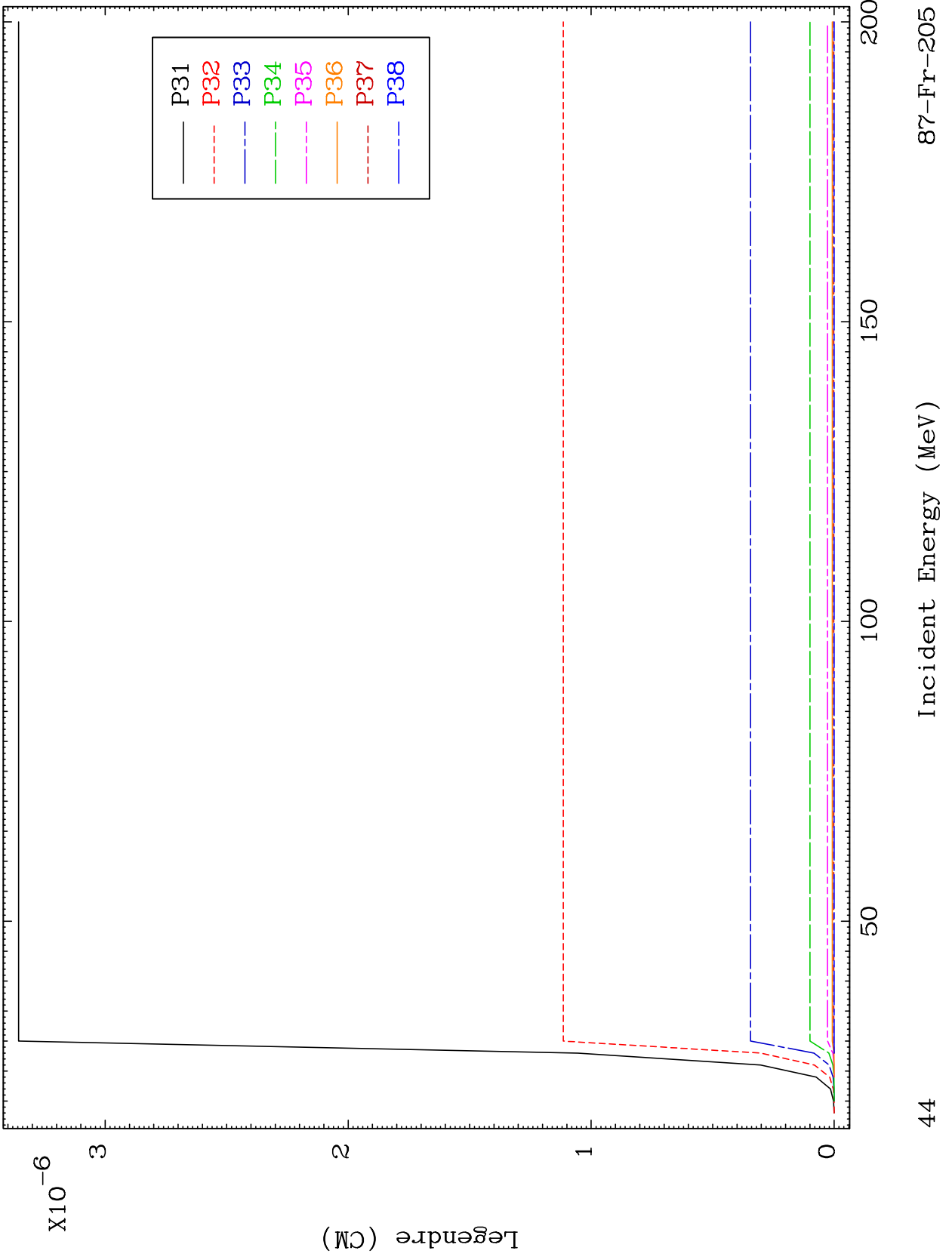
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MAT 8704

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

87-Fr-205



44

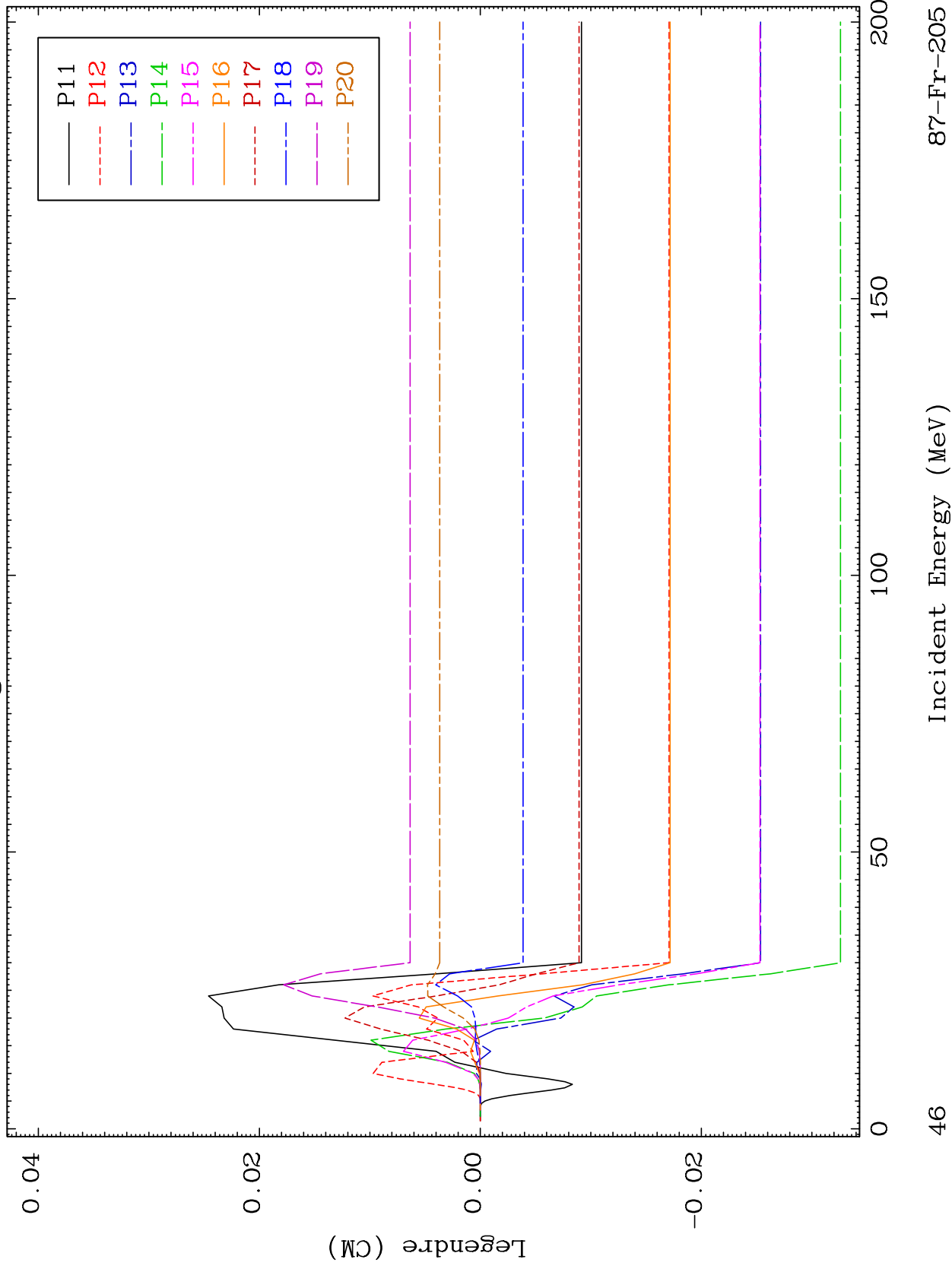
Incident Energy (MeV)

87-Fr-205

MAT 8704

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

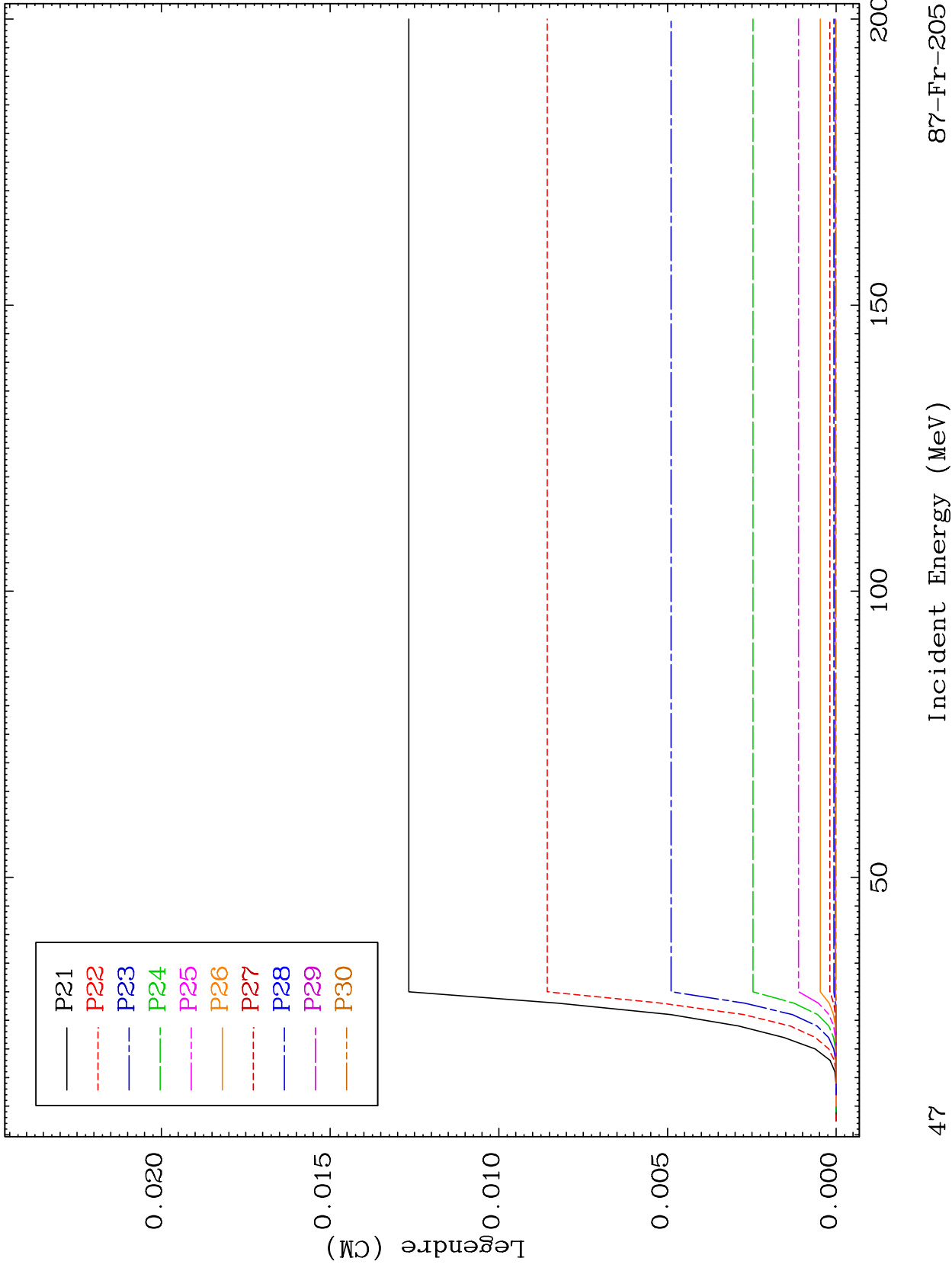
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MAT 8704

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

87-Fr-205



47

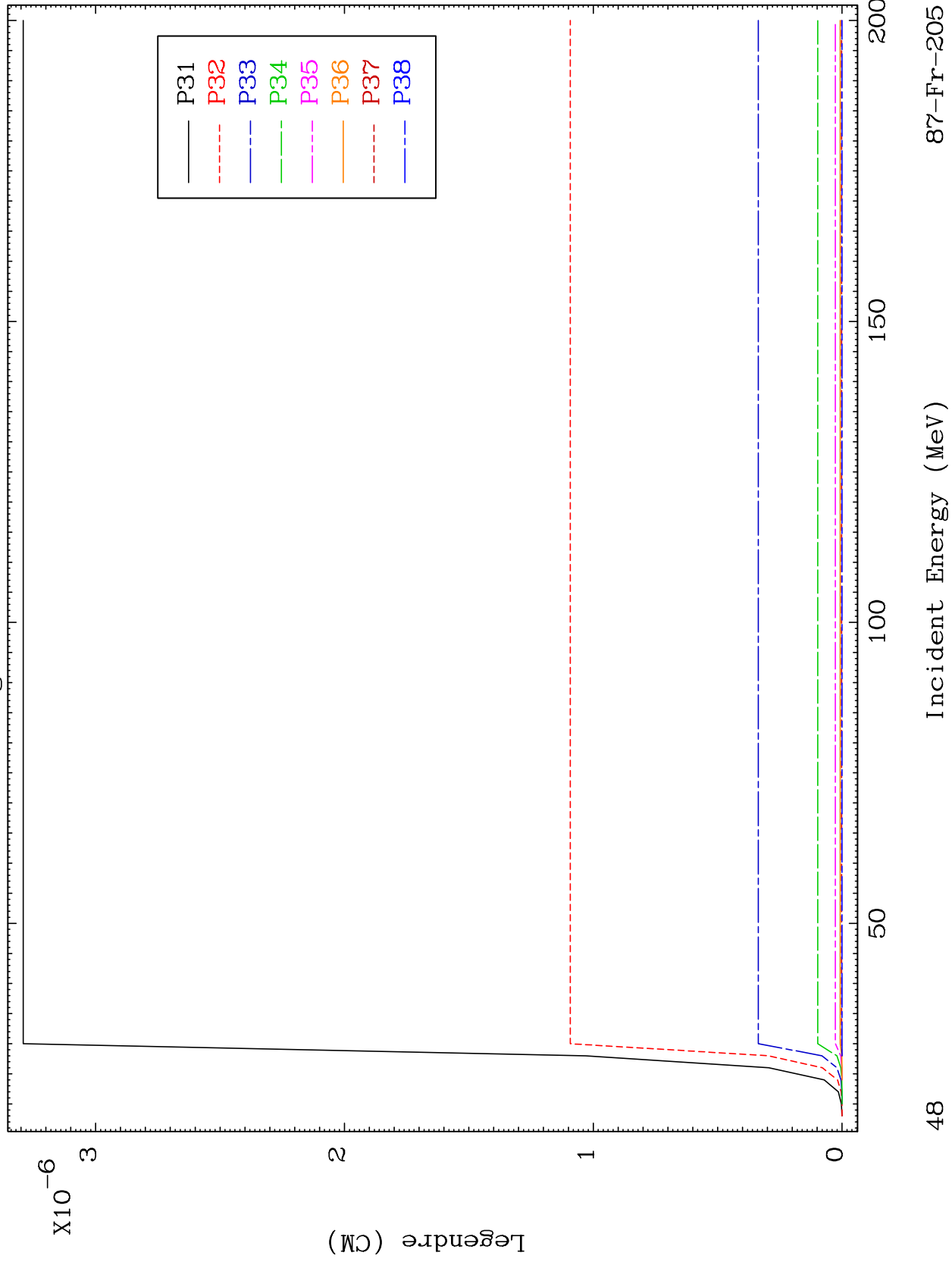
Incident Energy (MeV)

87-Fr-205

MAT 8704

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

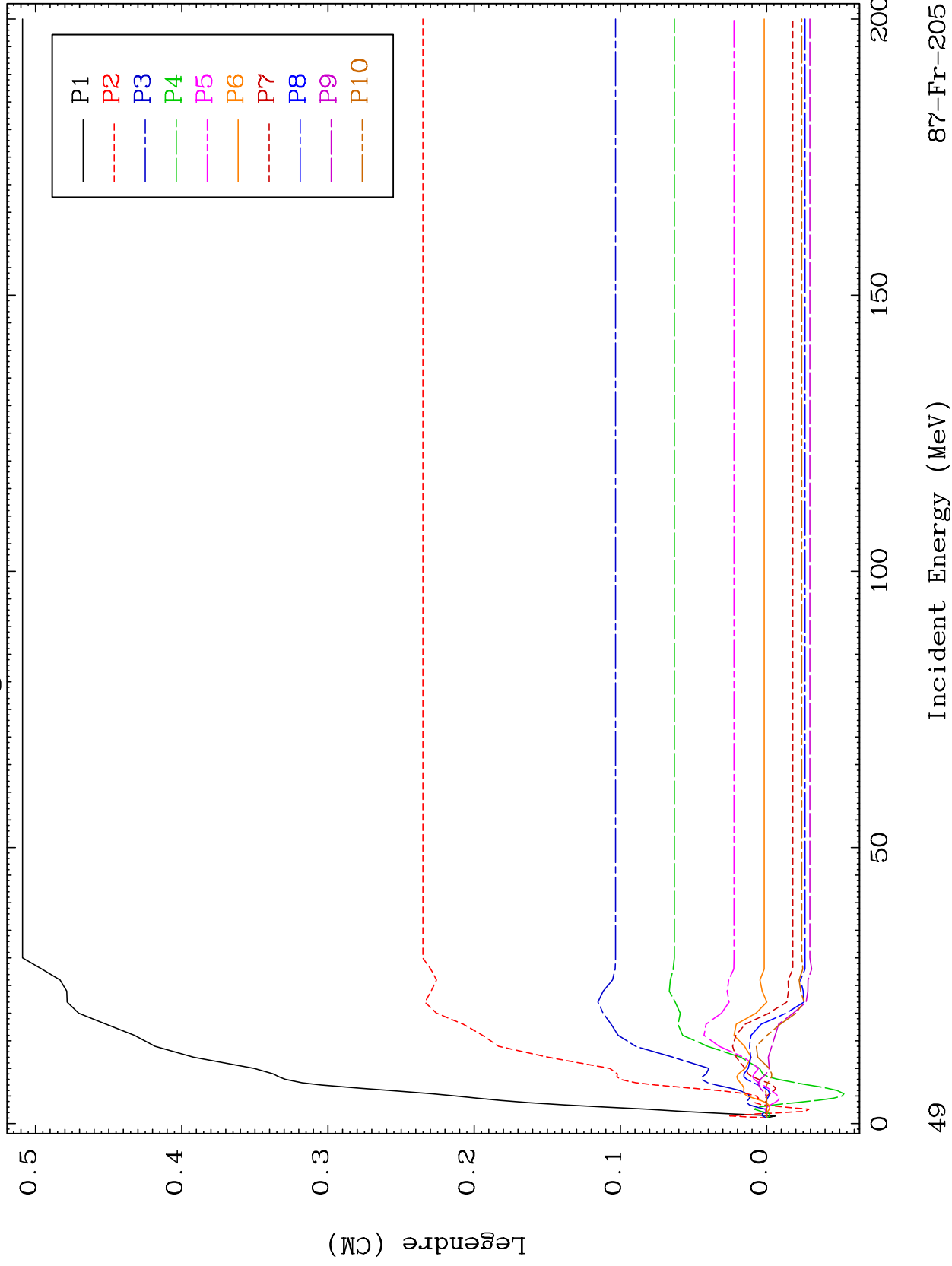
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MAT 8704

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

87-Fr-205



49

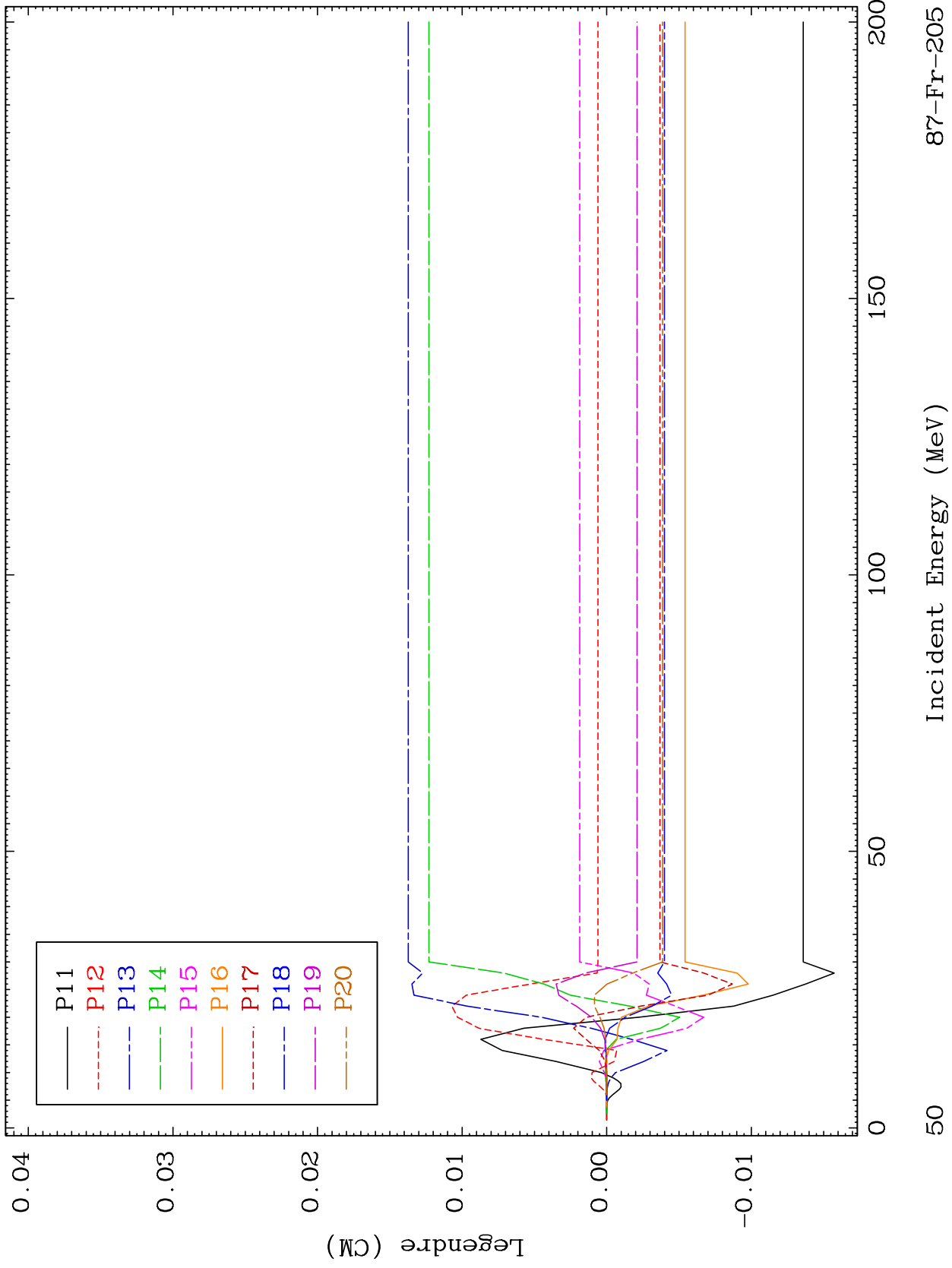
Incident Energy (MeV)

87-Fr-205

MAT 8704

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

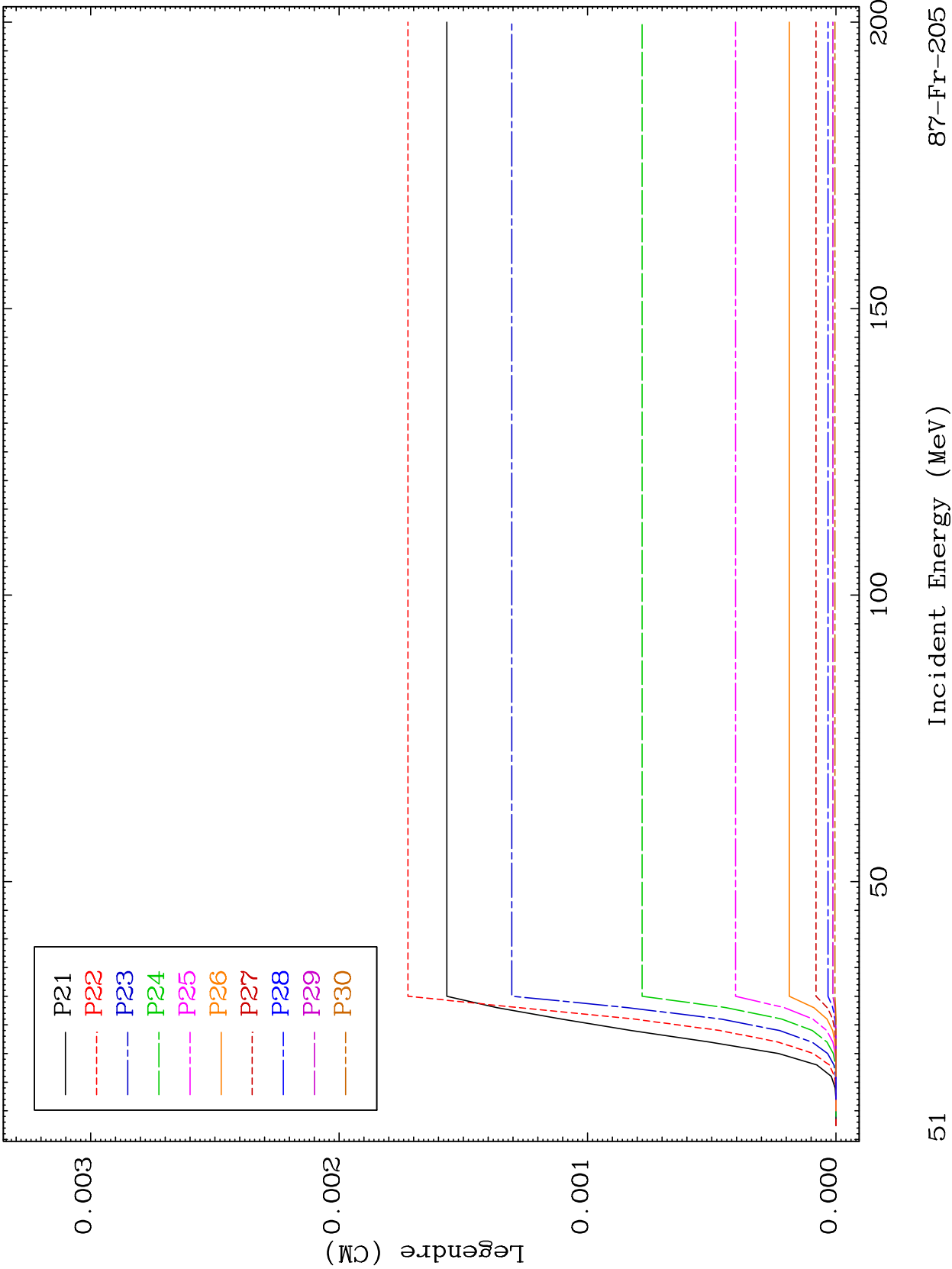
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MAT 8704

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

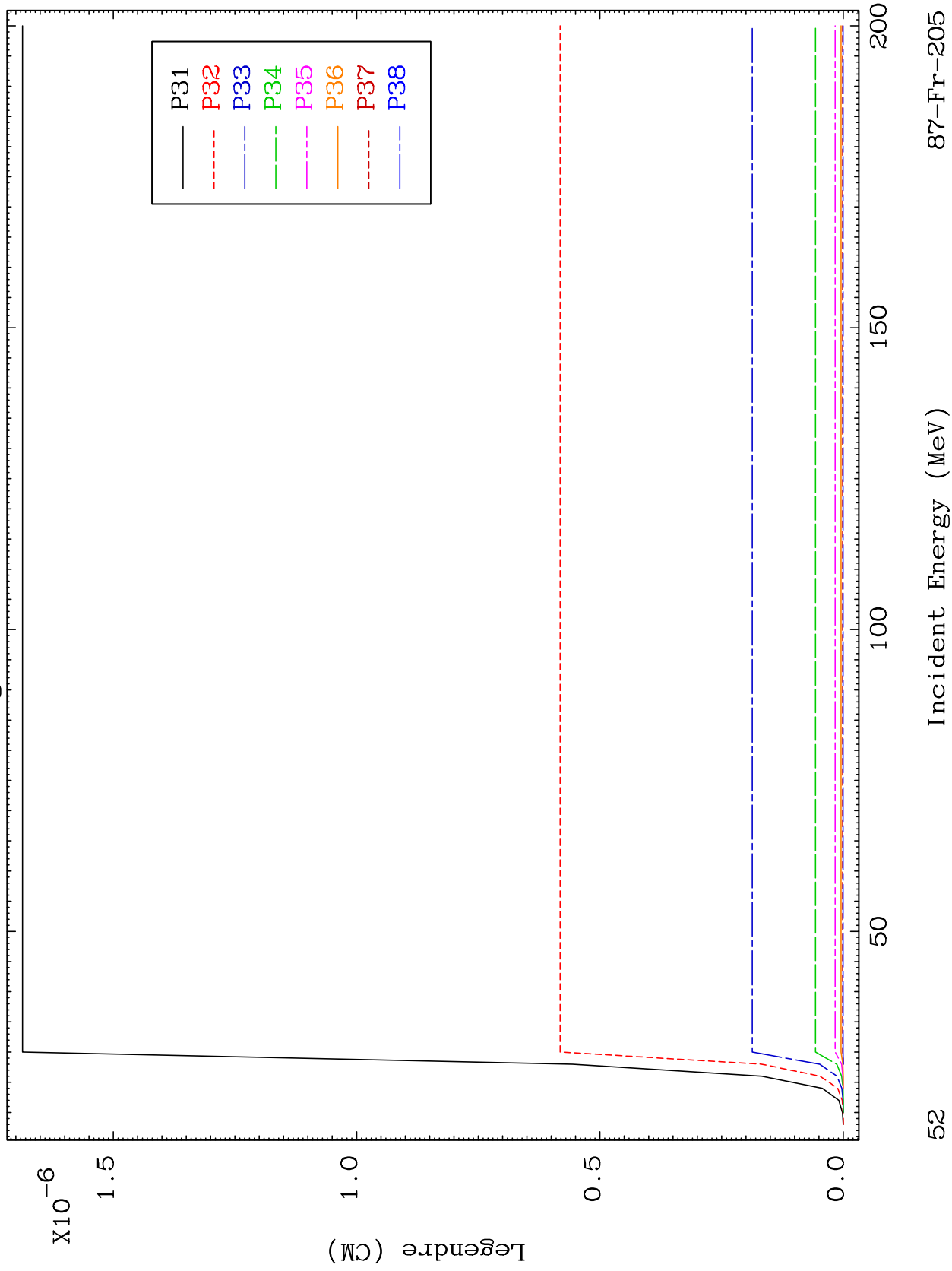
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MAT 8704

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

87-Fr-205



52

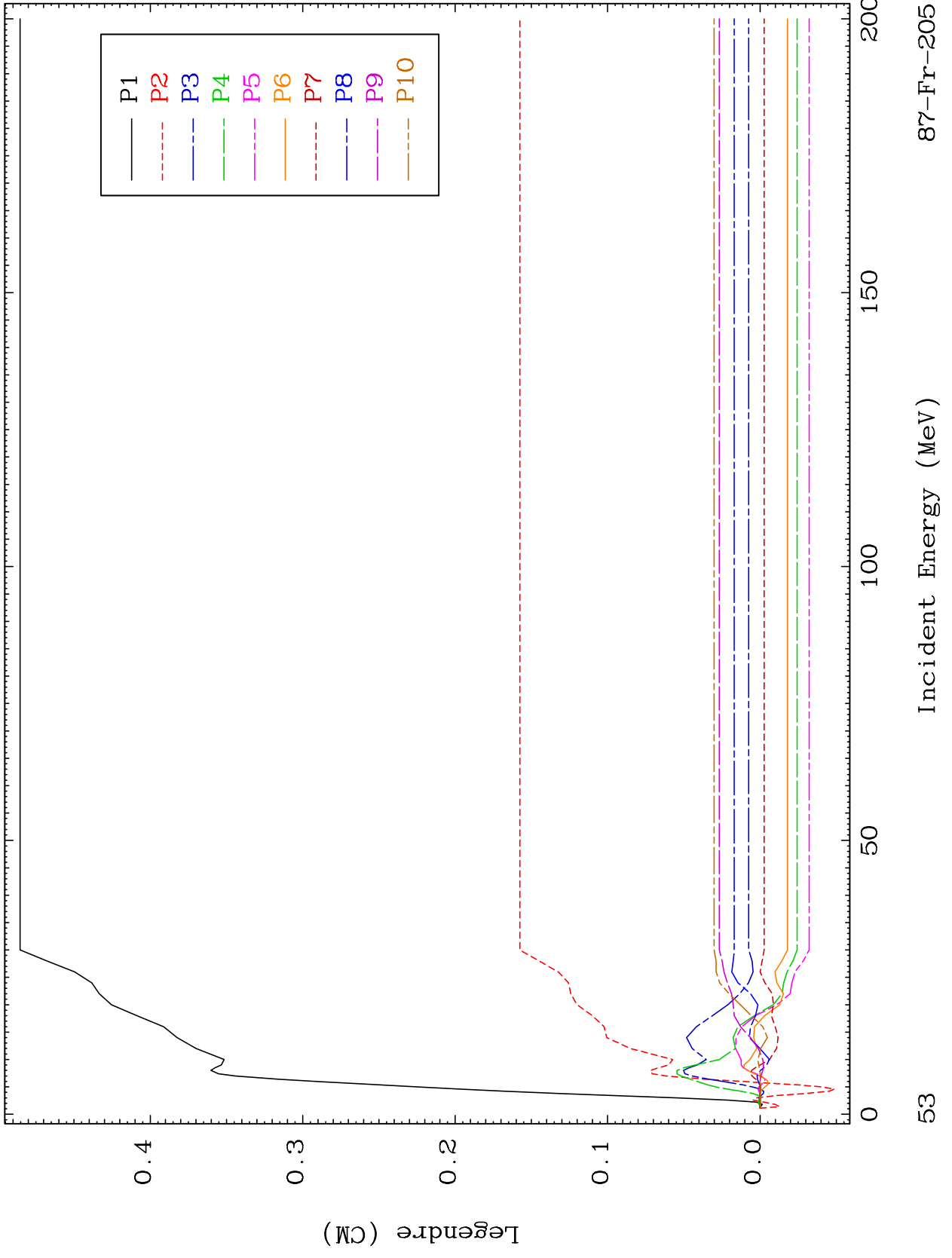
Incident Energy (MeV)

87-Fr-205

MAT 8704

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

87-Fr-205



53

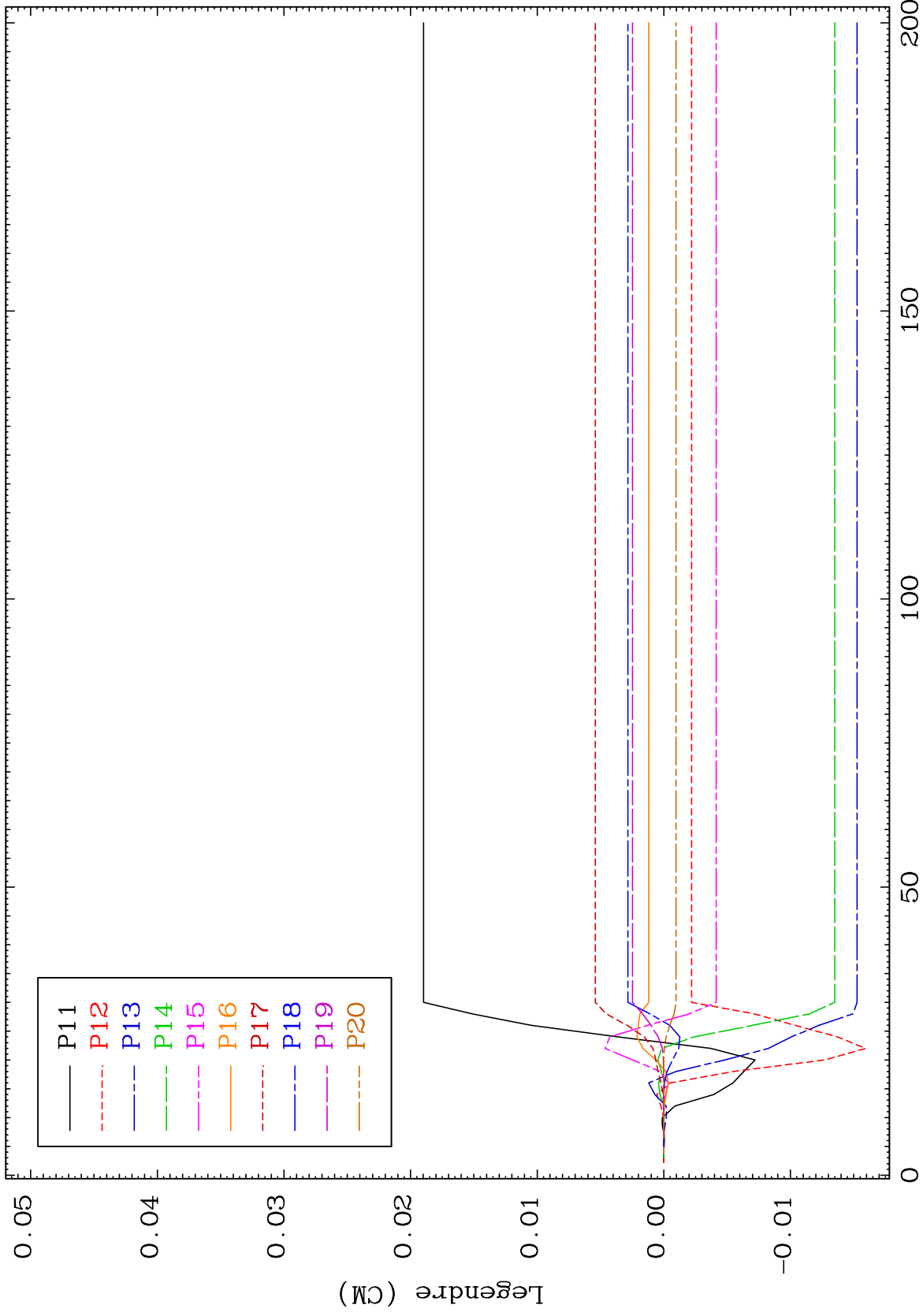
Incident Energy (MeV)

87-Fr-205

MAT 8704

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

87-Fr-205



54

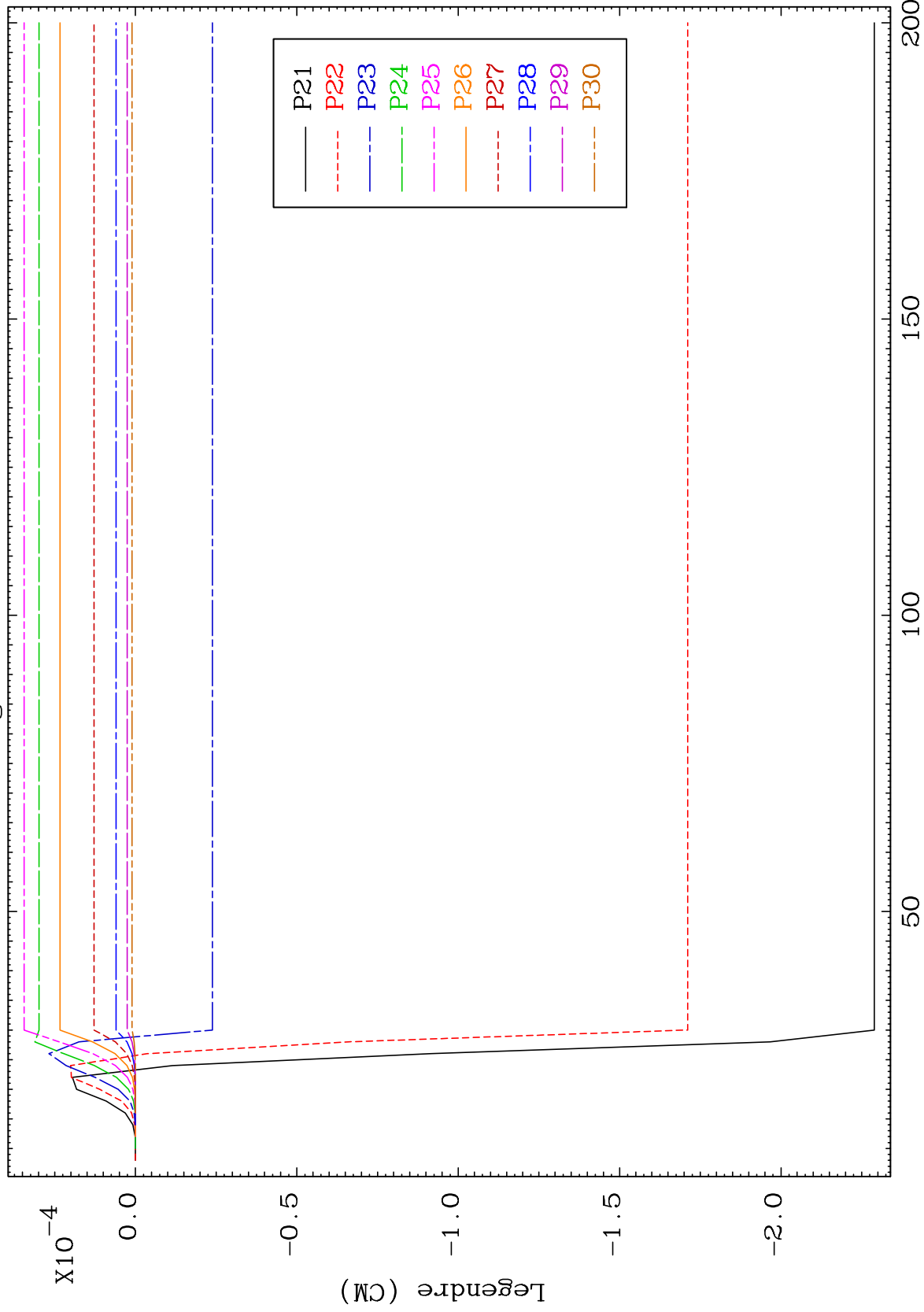
Incident Energy (MeV)

87-Fr-205

MAT 8704

87-Fr-205

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



55

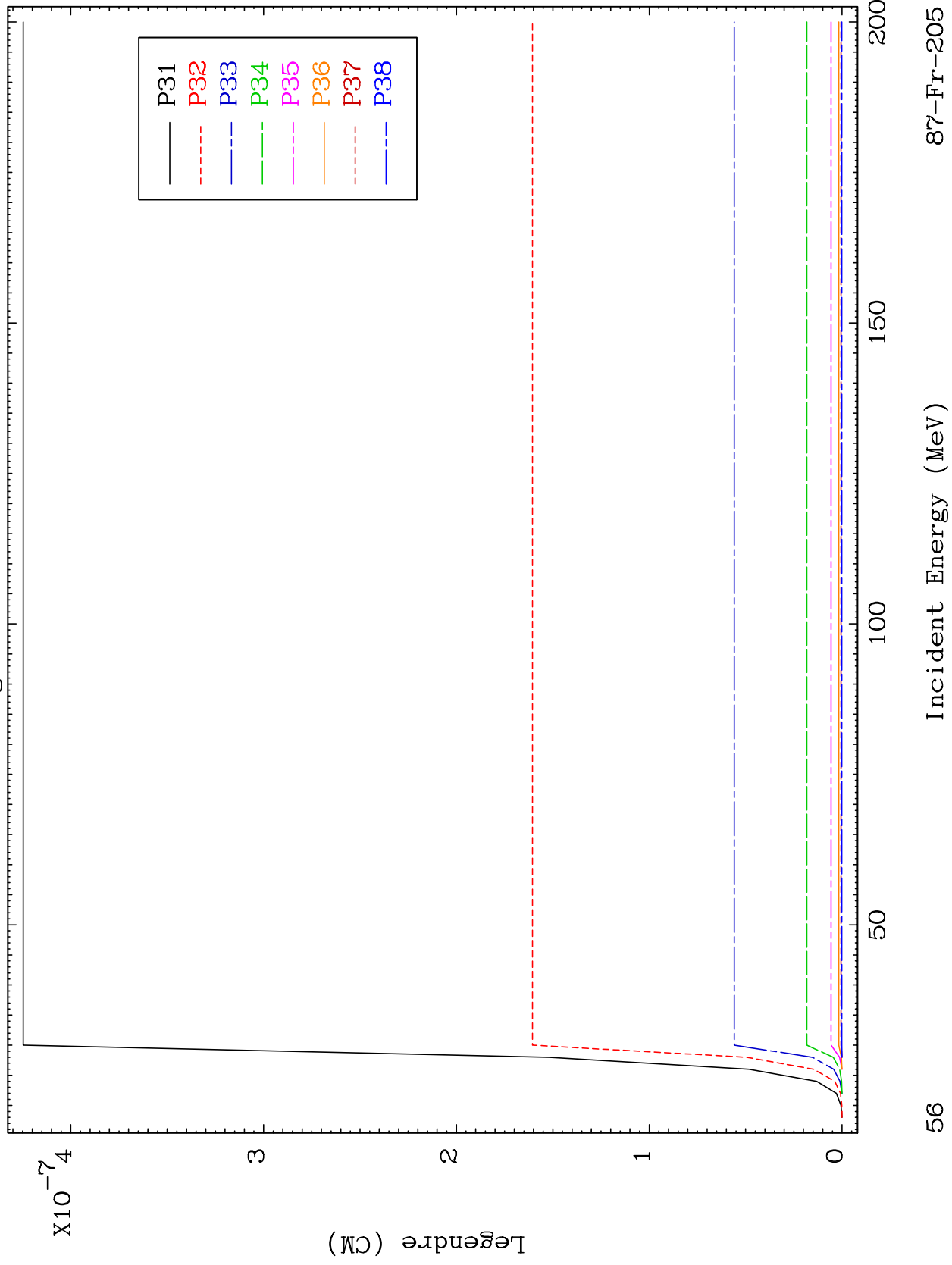
Incident Energy (MeV)

87-Fr-205

MAT 8704

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

87-Fr-205



56

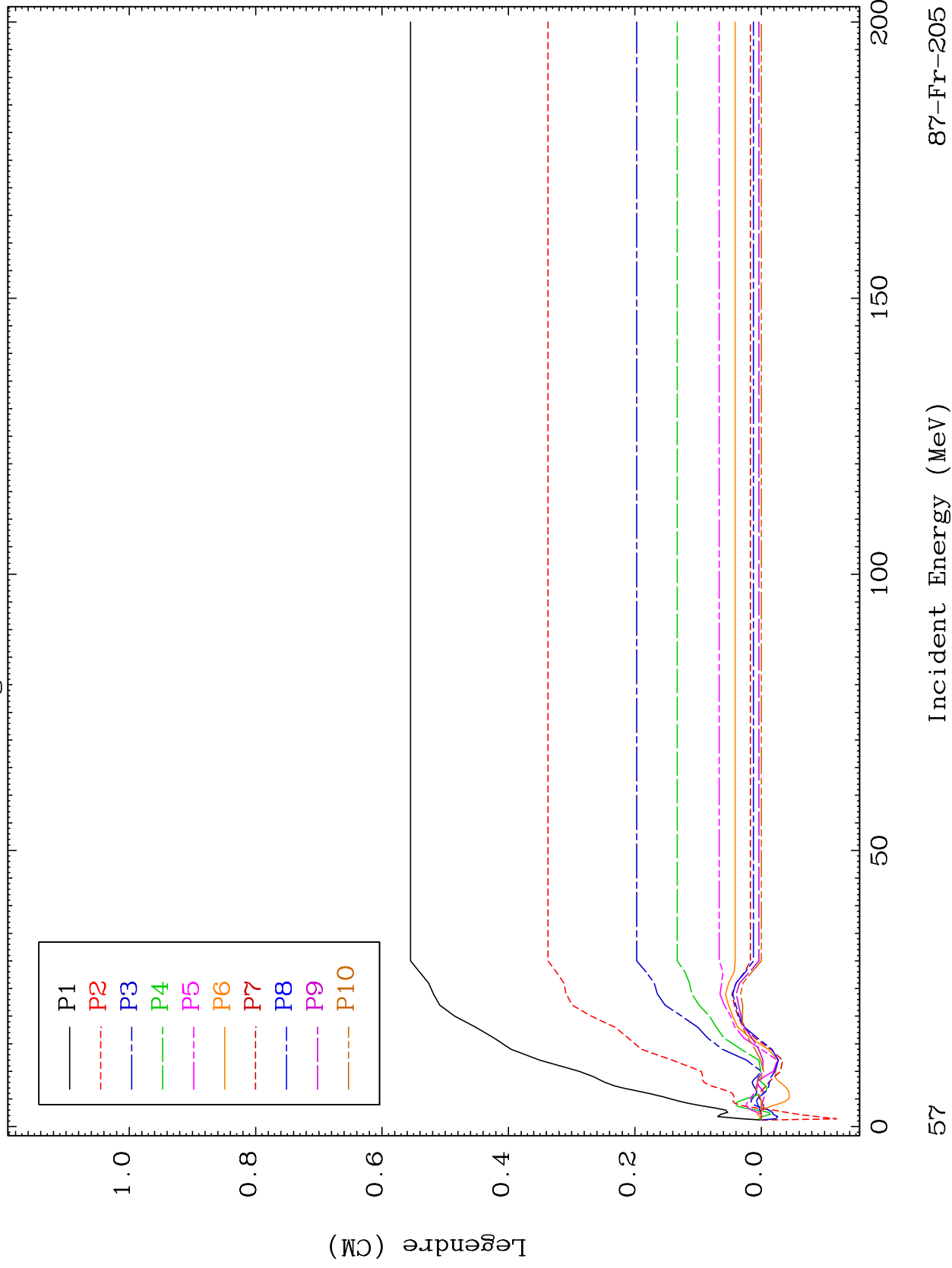
Incident Energy (MeV)

87-Fr-205

MAT 8704

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

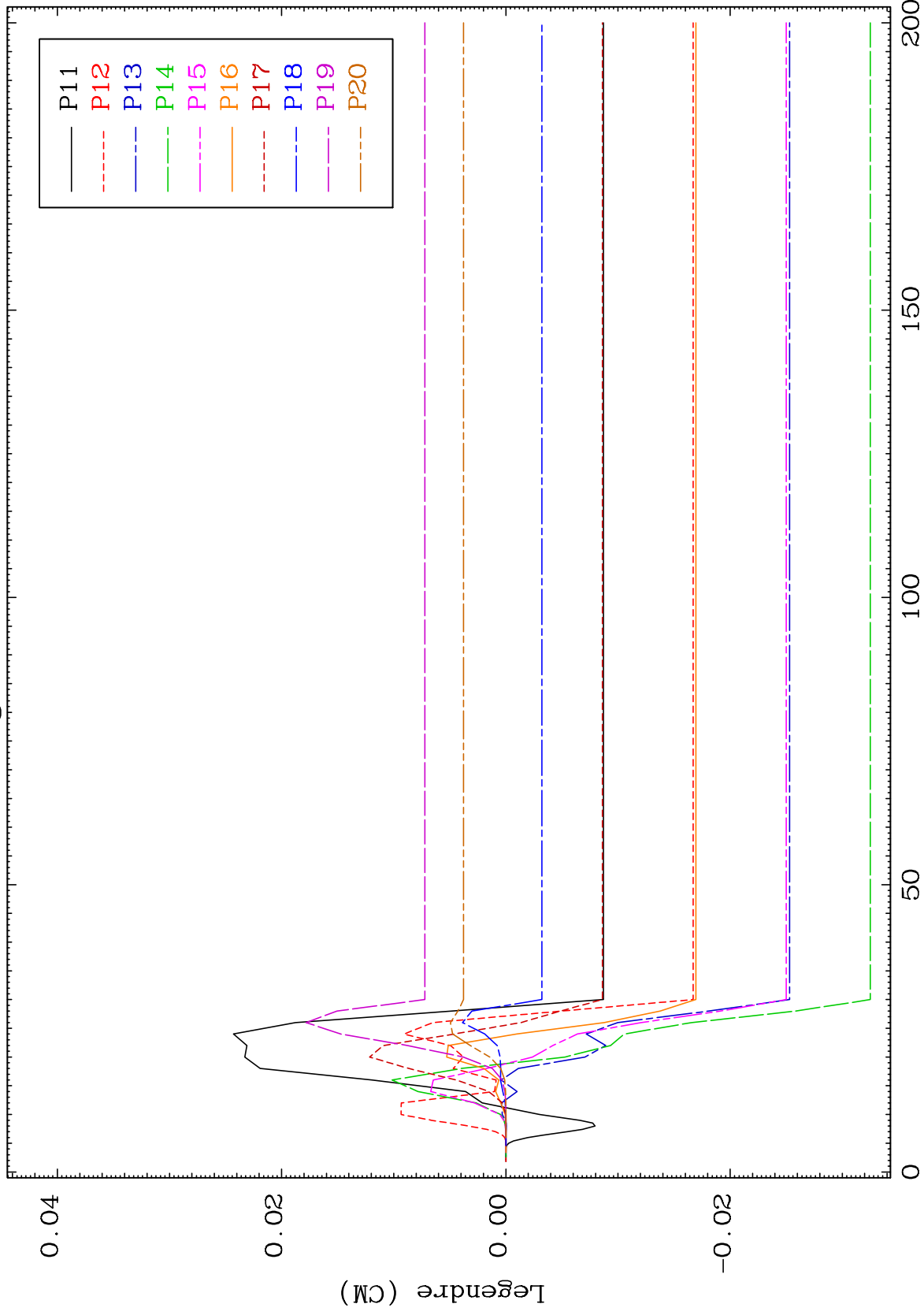
87-Fr-205



MAT 8704

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

87-Fr-205



58

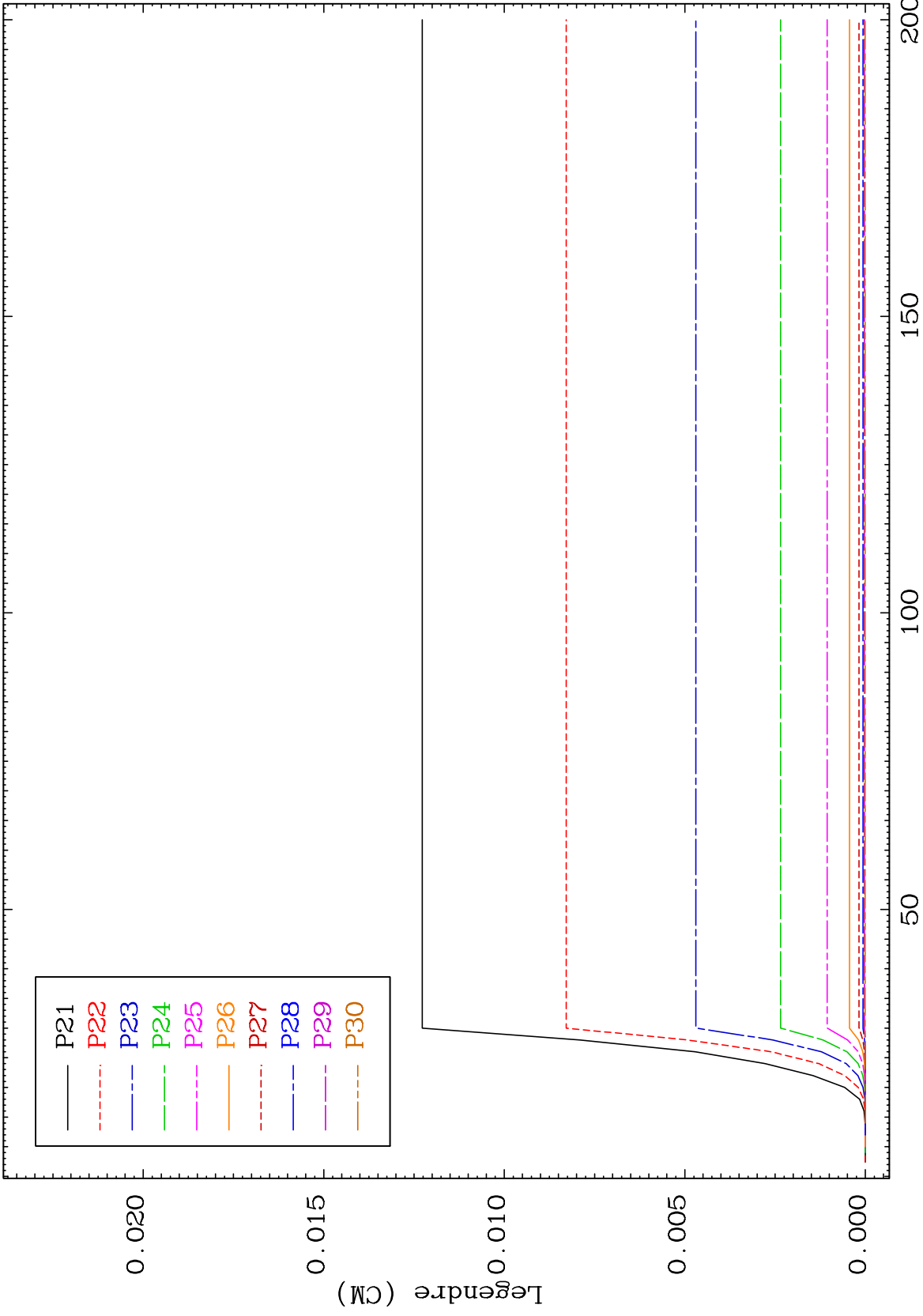
Incident Energy (MeV)

87-Fr-205

MAT 8704

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

87-Fr-205



59

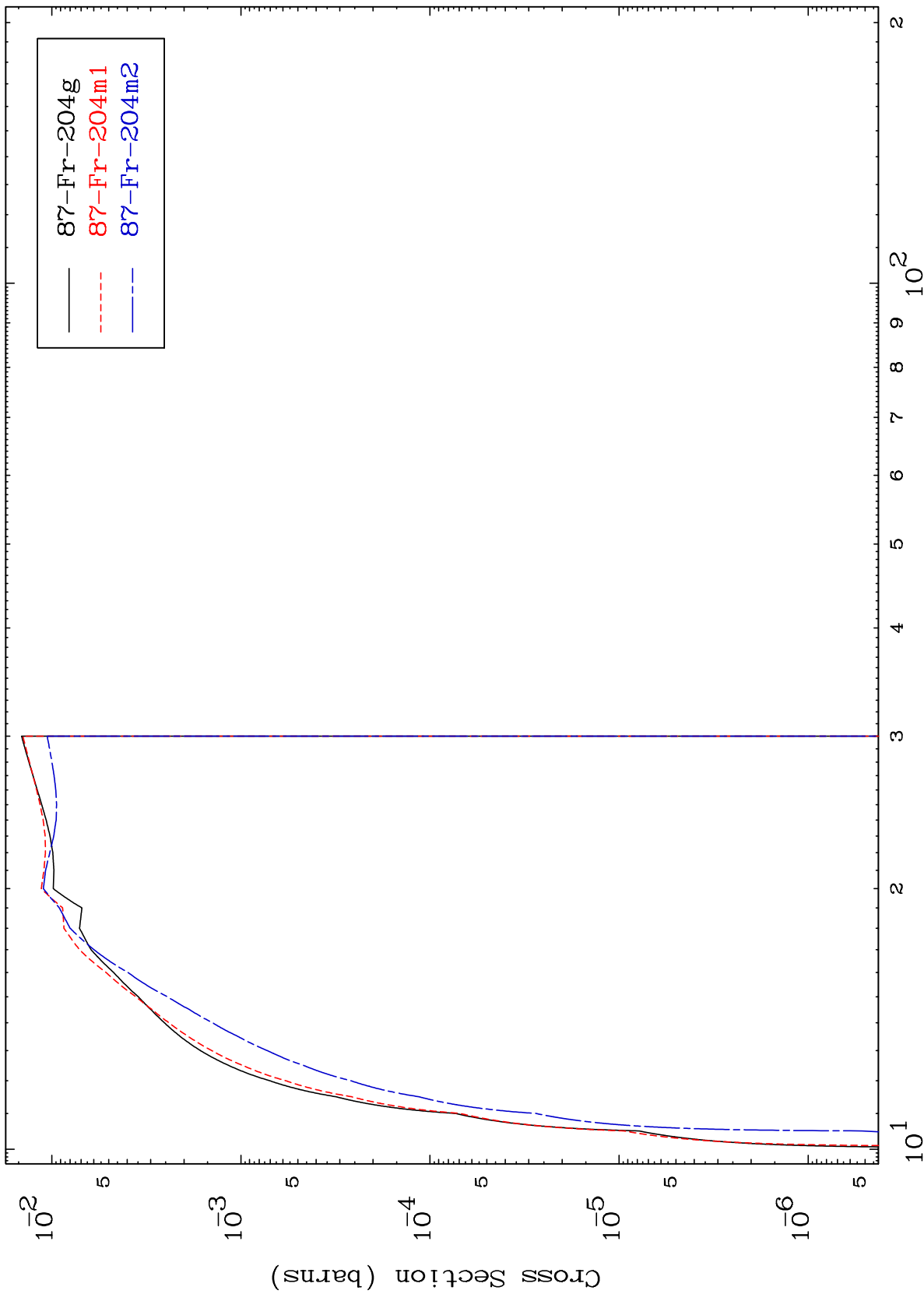
Incident Energy (MeV)

87-Fr-205

MAT 8704

87-Fr-205

(n,2n)
Radionuclide Production Cross Section



87-Fr-205

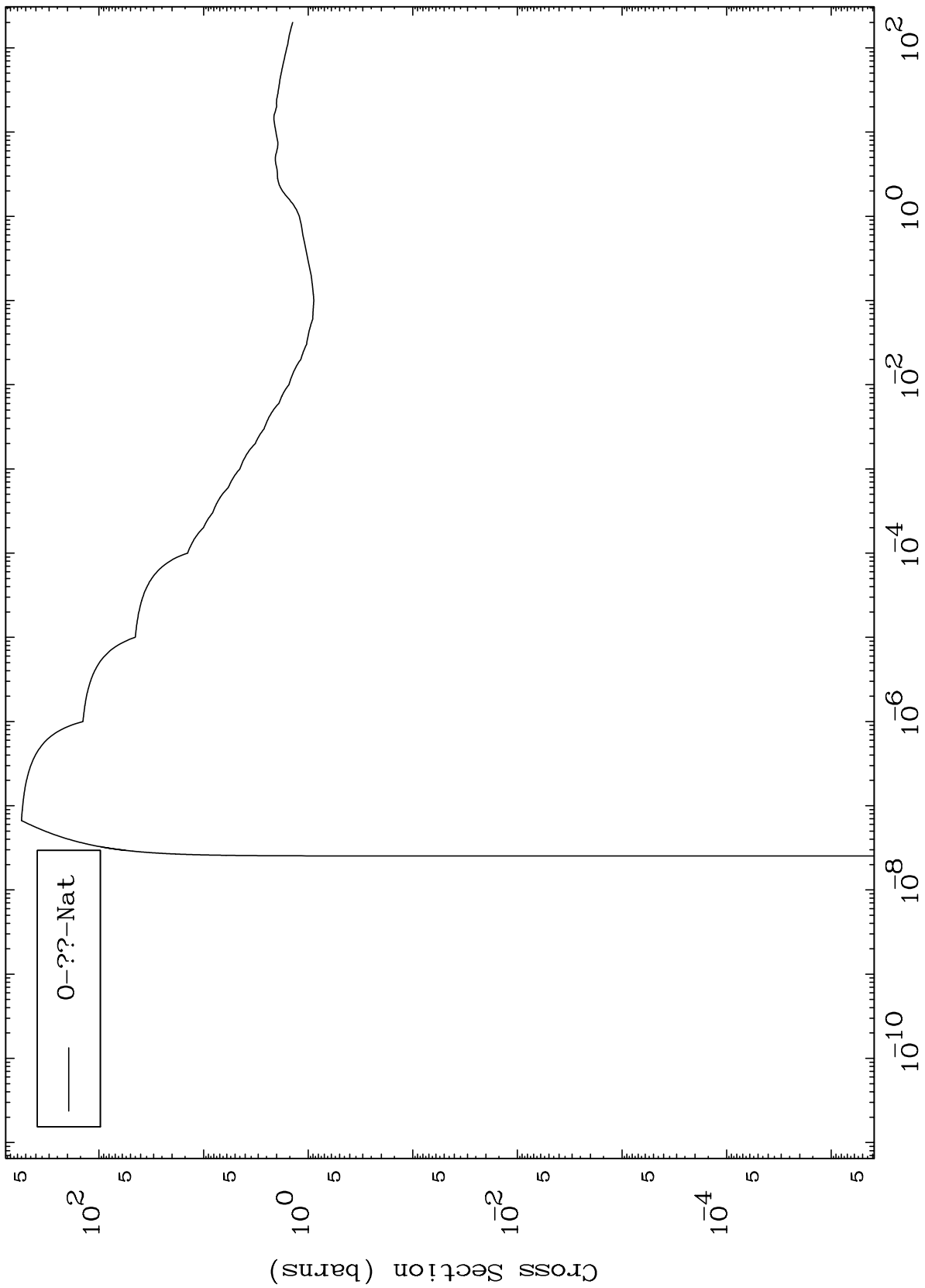
Incident Energy (MeV)

61

MAT 8704

87-Fr-205

Fission
Radionuclide Production Cross Section



62

87-Fr-205

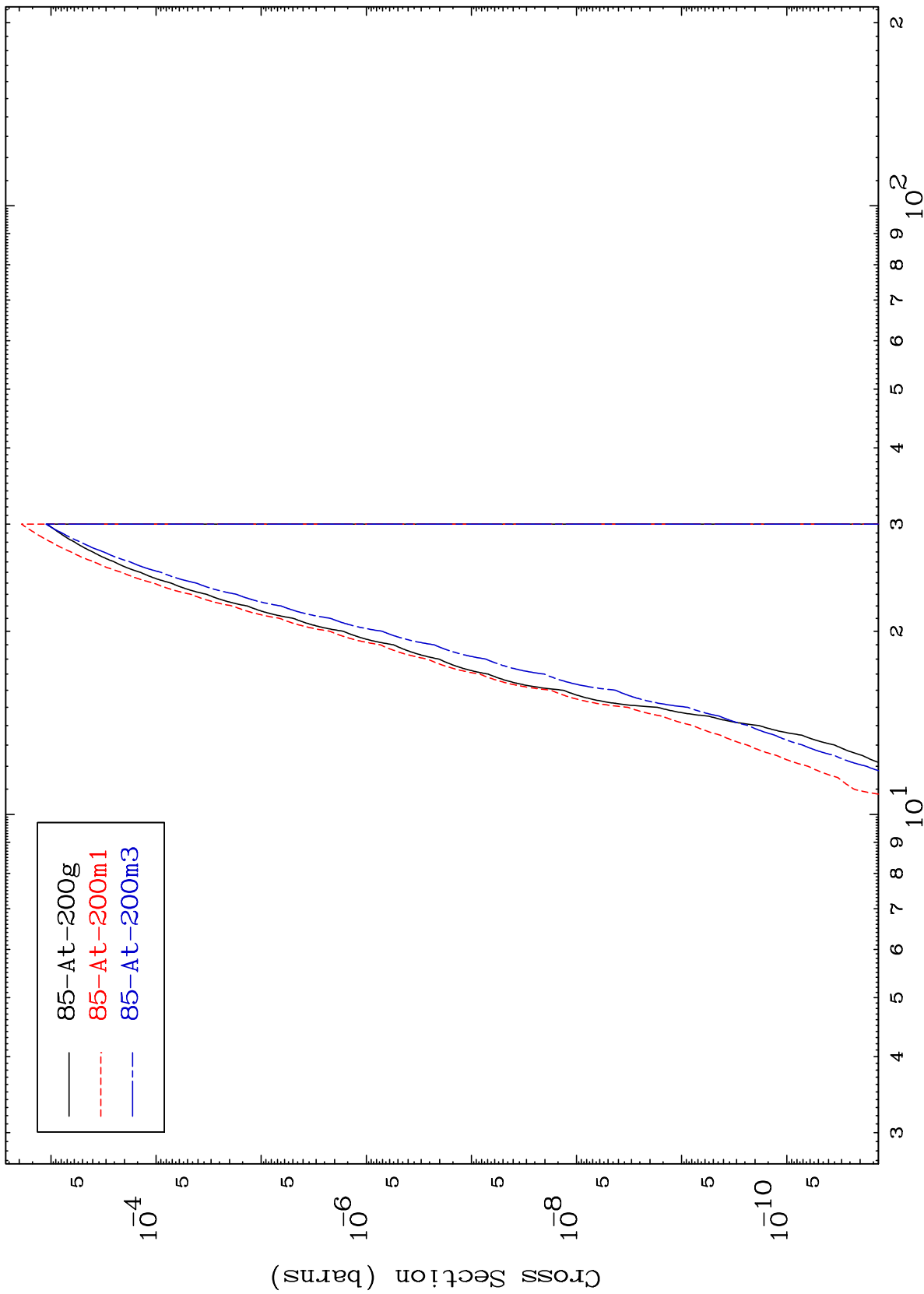
Incident Energy (MeV)

MAT 8704

87-Fr-205

(n,2n) α

Radionuclide Production Cross Section



63

Incident Energy (MeV)

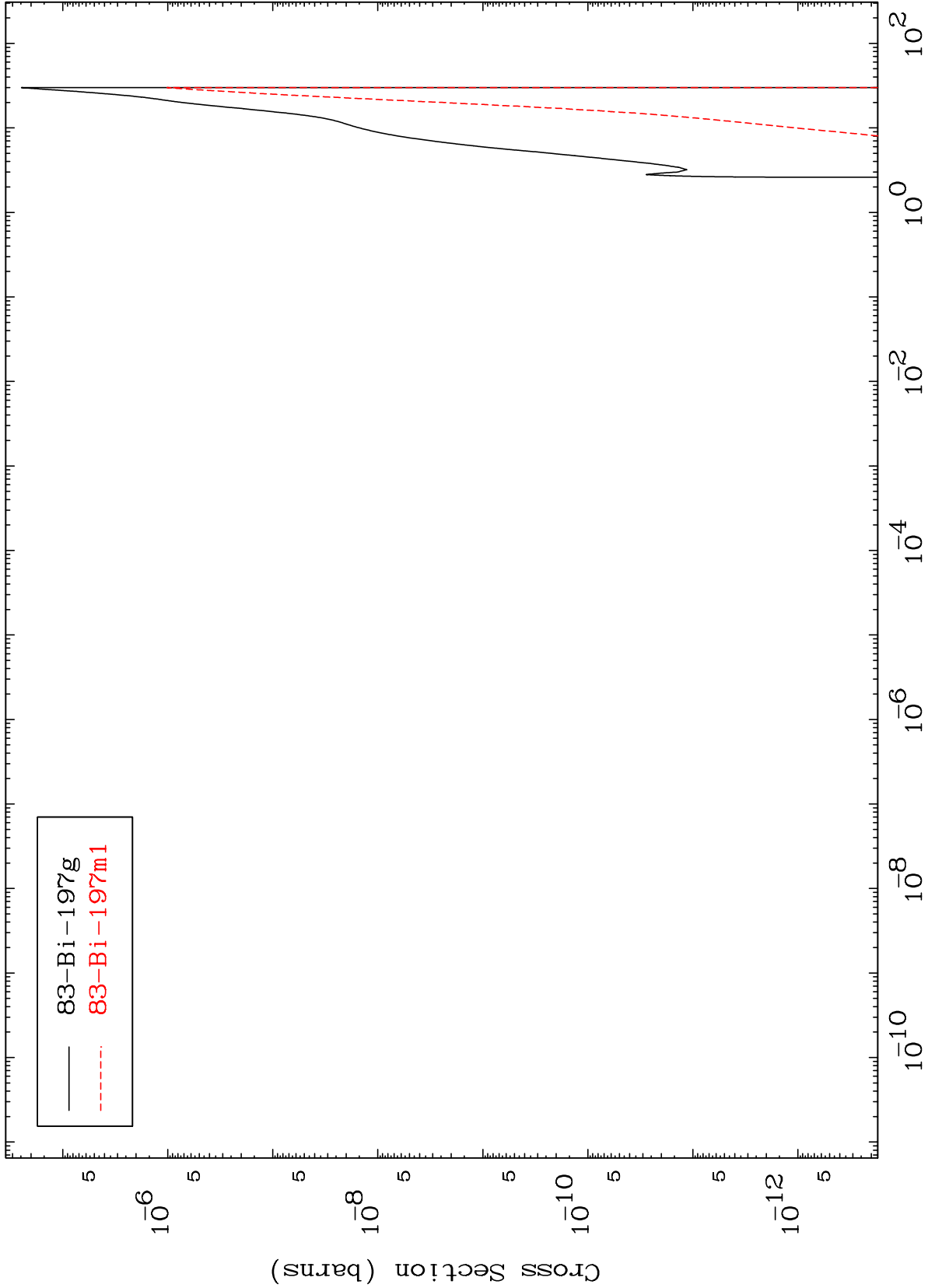
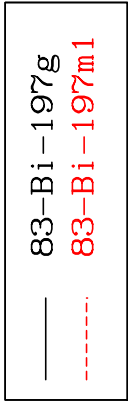
87-Fr-205

MAT 8704

(n,n') 2α

87-Fr-205

Radionuclide Production Cross Section



64

Incident Energy (MeV)

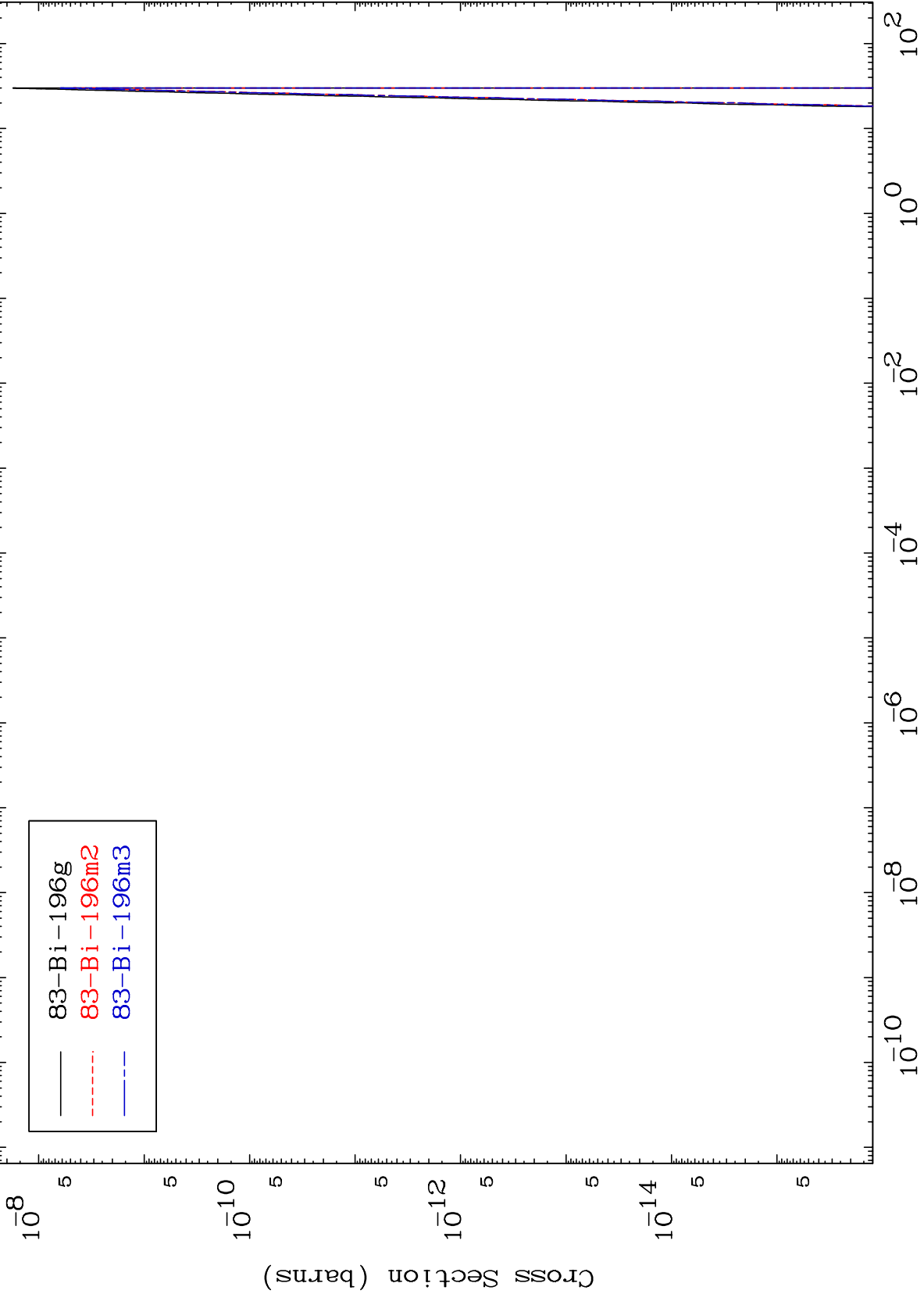
87-Fr-205

MAT 8704

$(n,2n) 2\alpha$

87-Fr-205

Radionuclide Production Cross Section



65

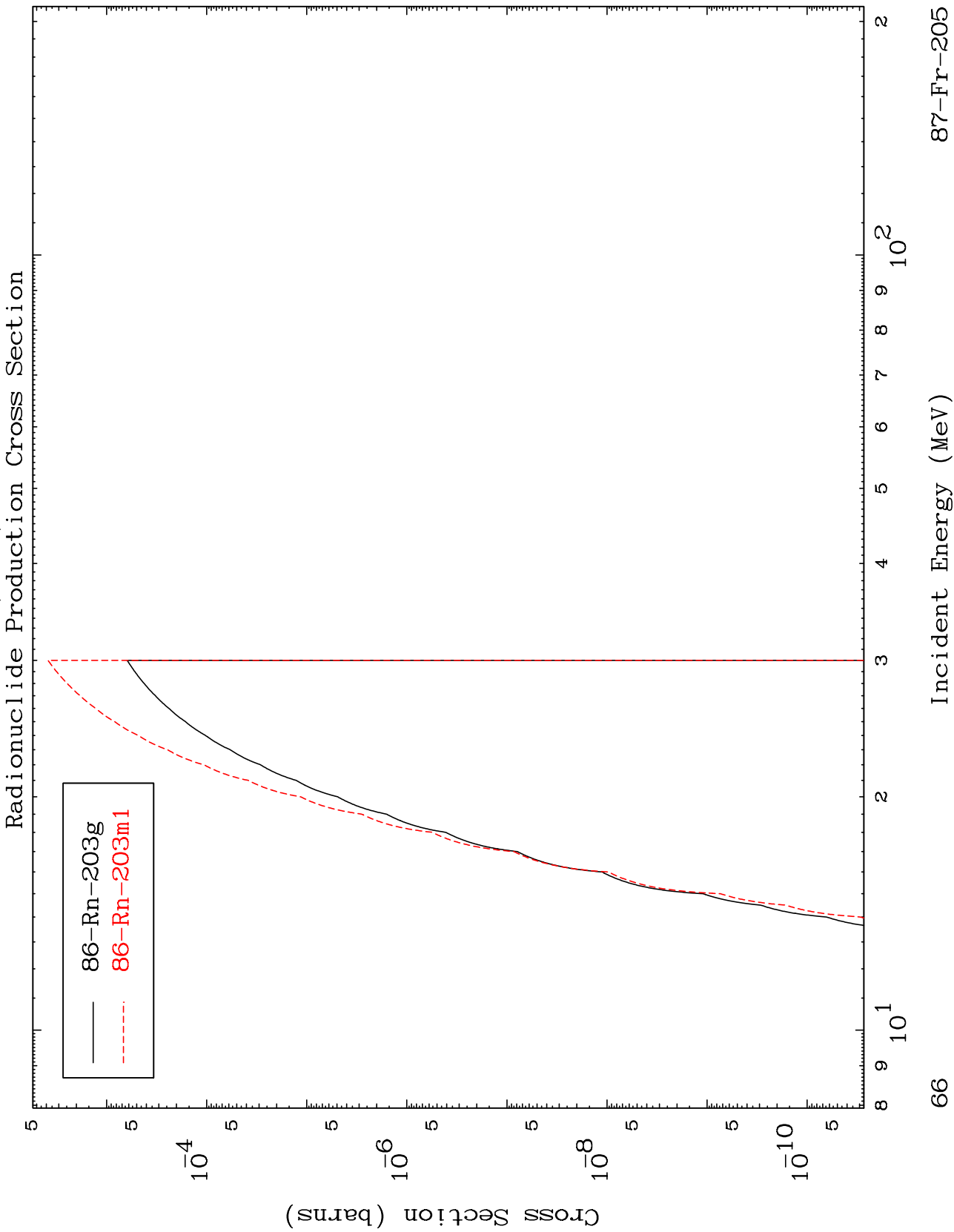
Incident Energy (MeV)

87-Fr-205

MAT 8704

(n,n') d

87-Fr-205



66

87-Fr-205

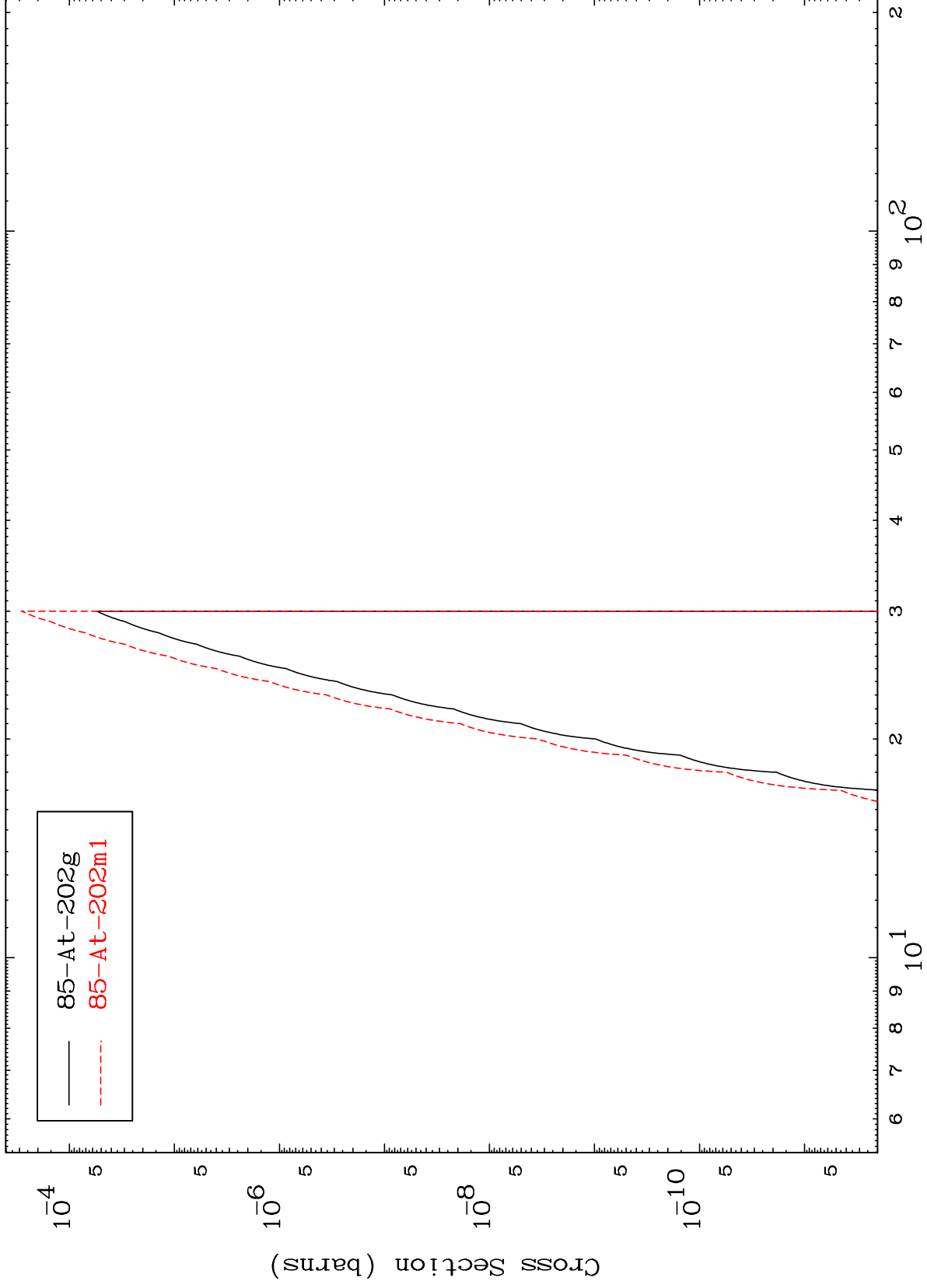
87-Fr-205

MAT 8704

(n,n') He-3

87-Fr-205

Radionuclide Production Cross Section



67

Incident Energy (MeV)

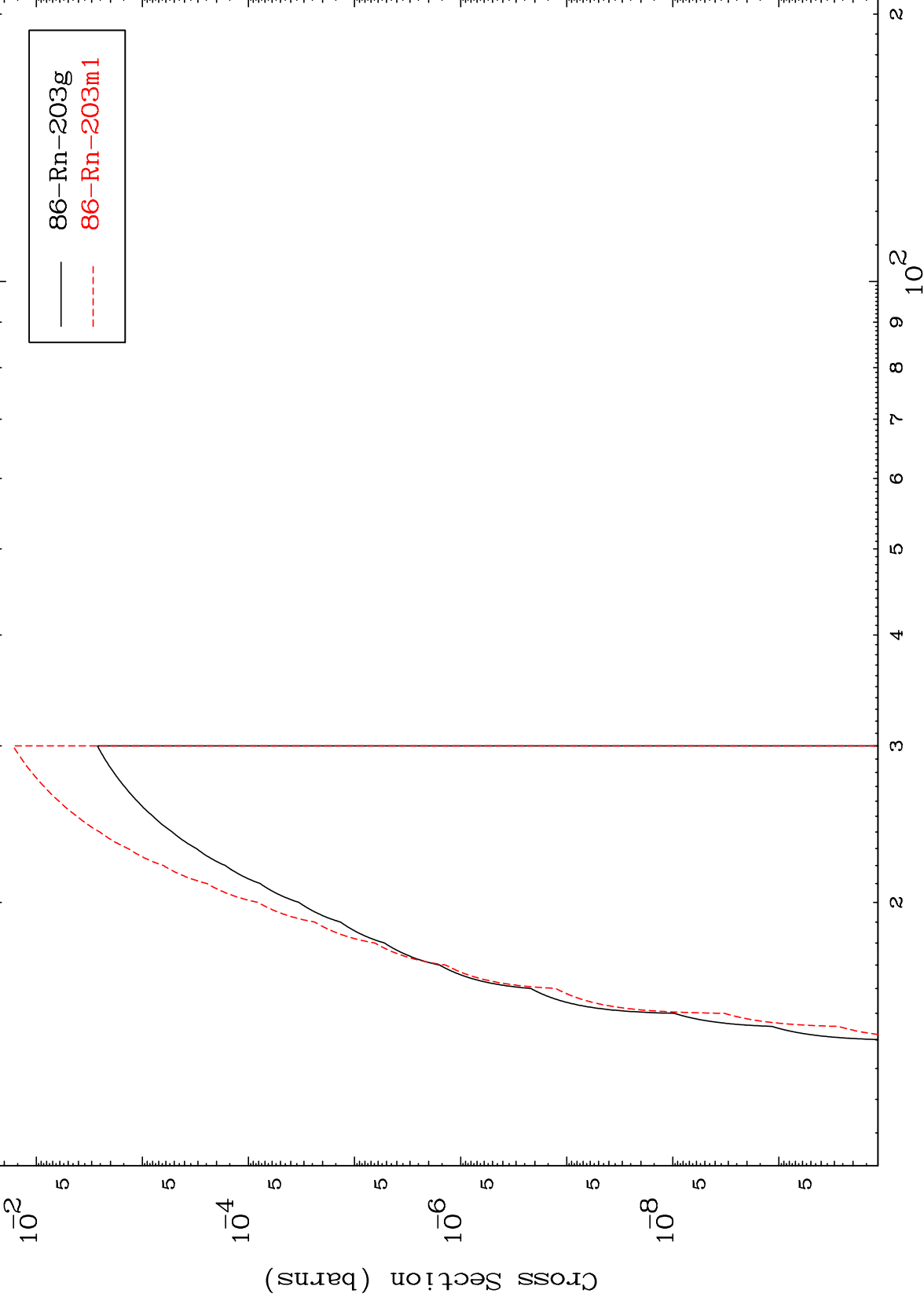
87-Fr-205

MAT 8704

(n,2n) p

87-Fr-205

Radionuclide Production Cross Section



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

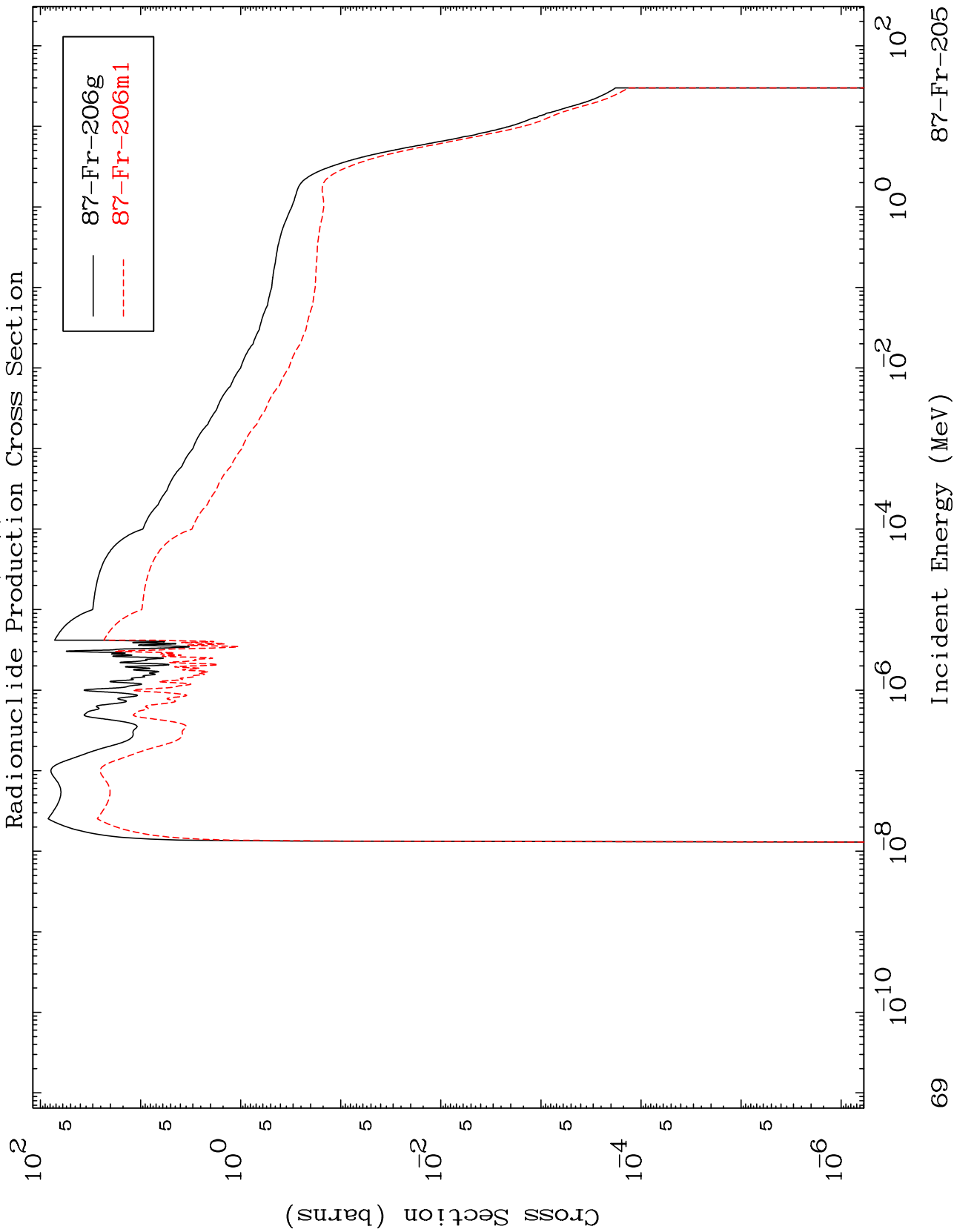
68

Incident Energy (MeV)

87-Fr-205

MAT 8704

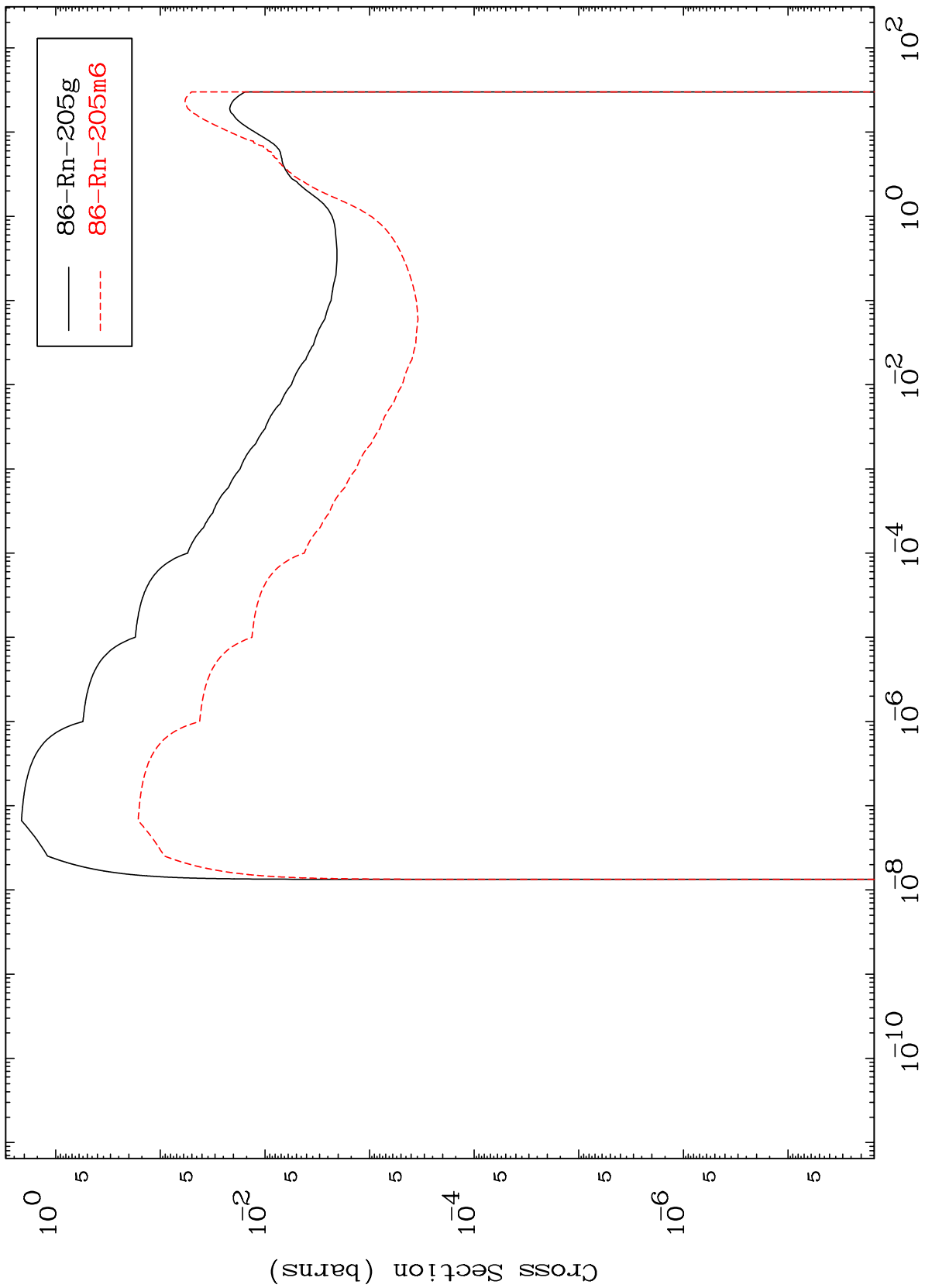
87-Fr-205



MAT 8704

87-Fr-205

(n,p)
Radionuclide Production Cross Section



70

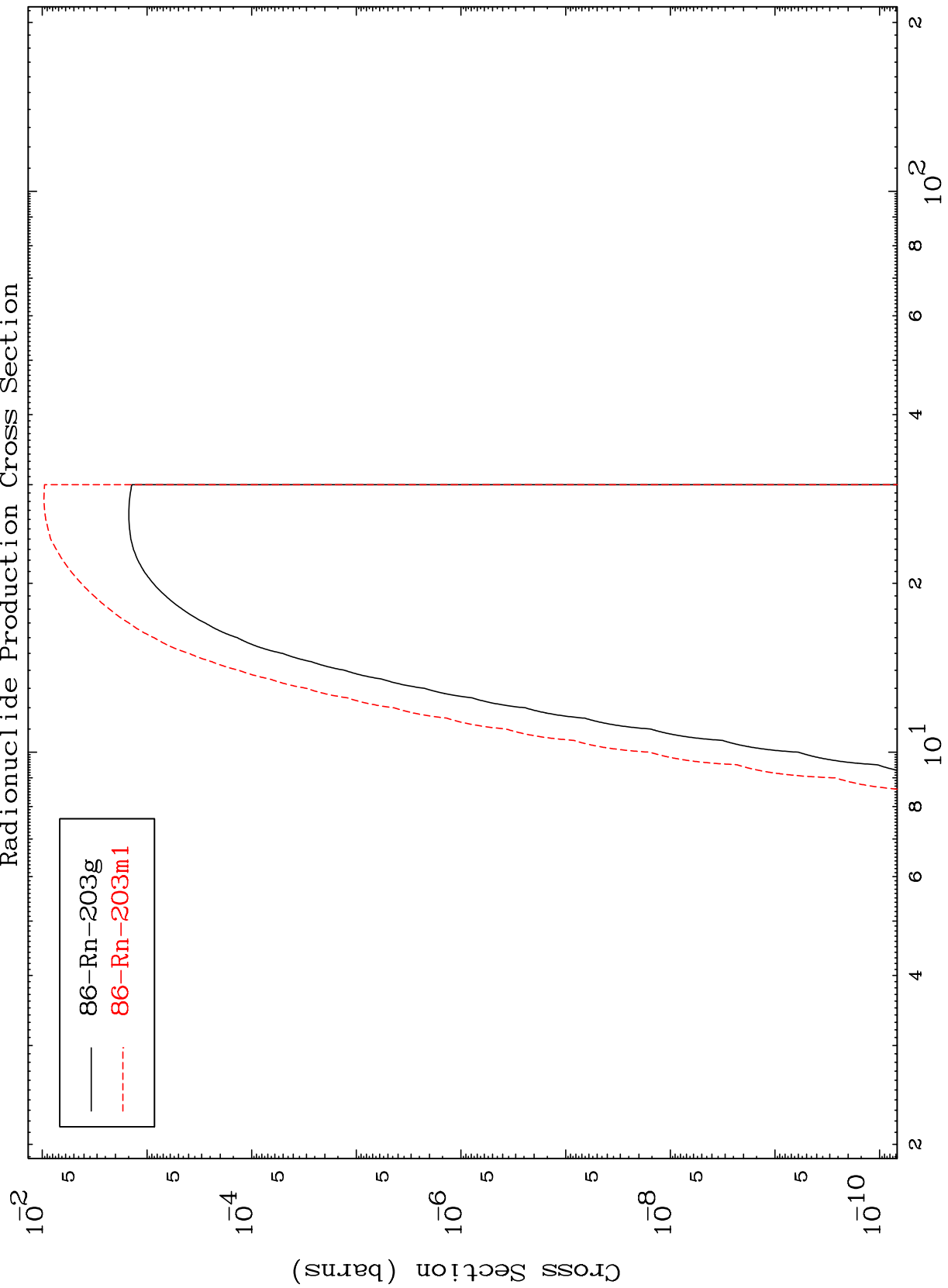
87-Fr-205

Incident Energy (MeV)

MAT 8704

87-Fr-205

Radionuclide Production Cross Section



71

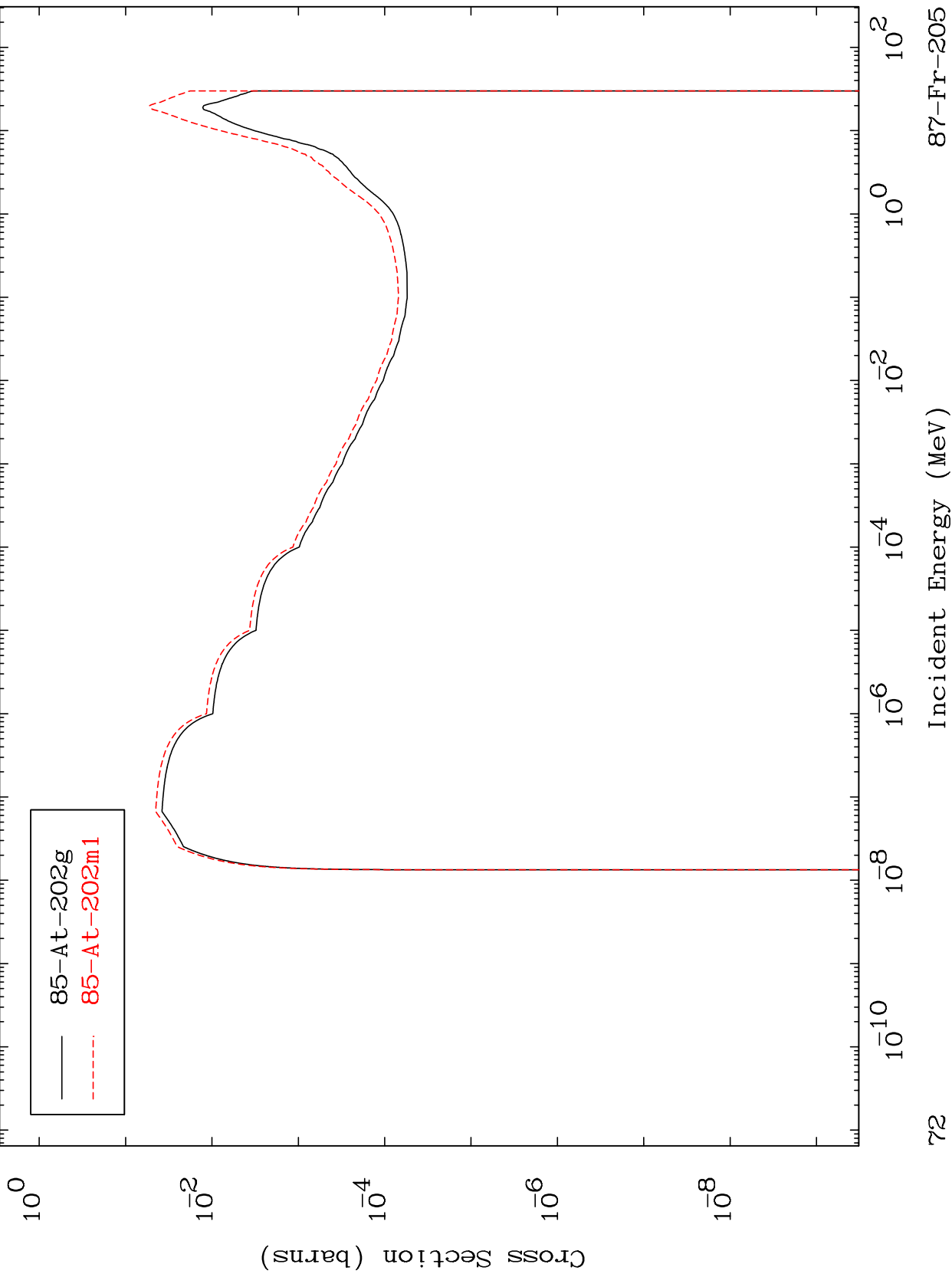
Incident Energy (MeV)

87-Fr-205

MAT 8704

87-Fr-205

Radionuclide Production Cross Section



72

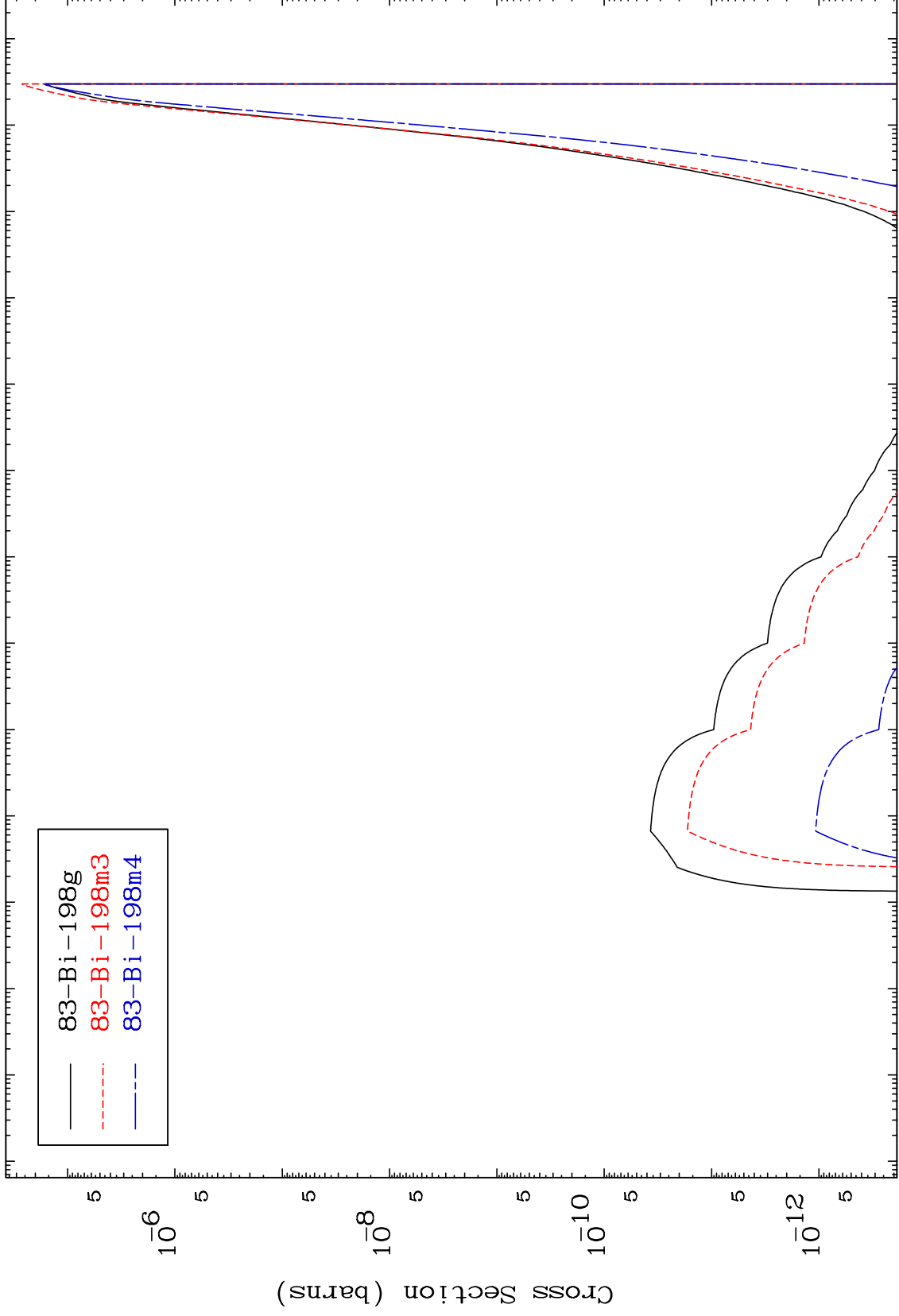
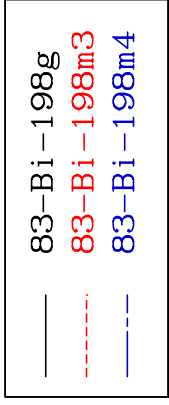
87-Fr-205

MAT 8704

(n,2α)

87-Fr-205

Radionuclide Production Cross Section



10⁻¹⁰ 10⁻⁸ 10⁻⁶ 10⁻⁴ 10⁰ 10²

Incident Energy (MeV)

87-Fr-205

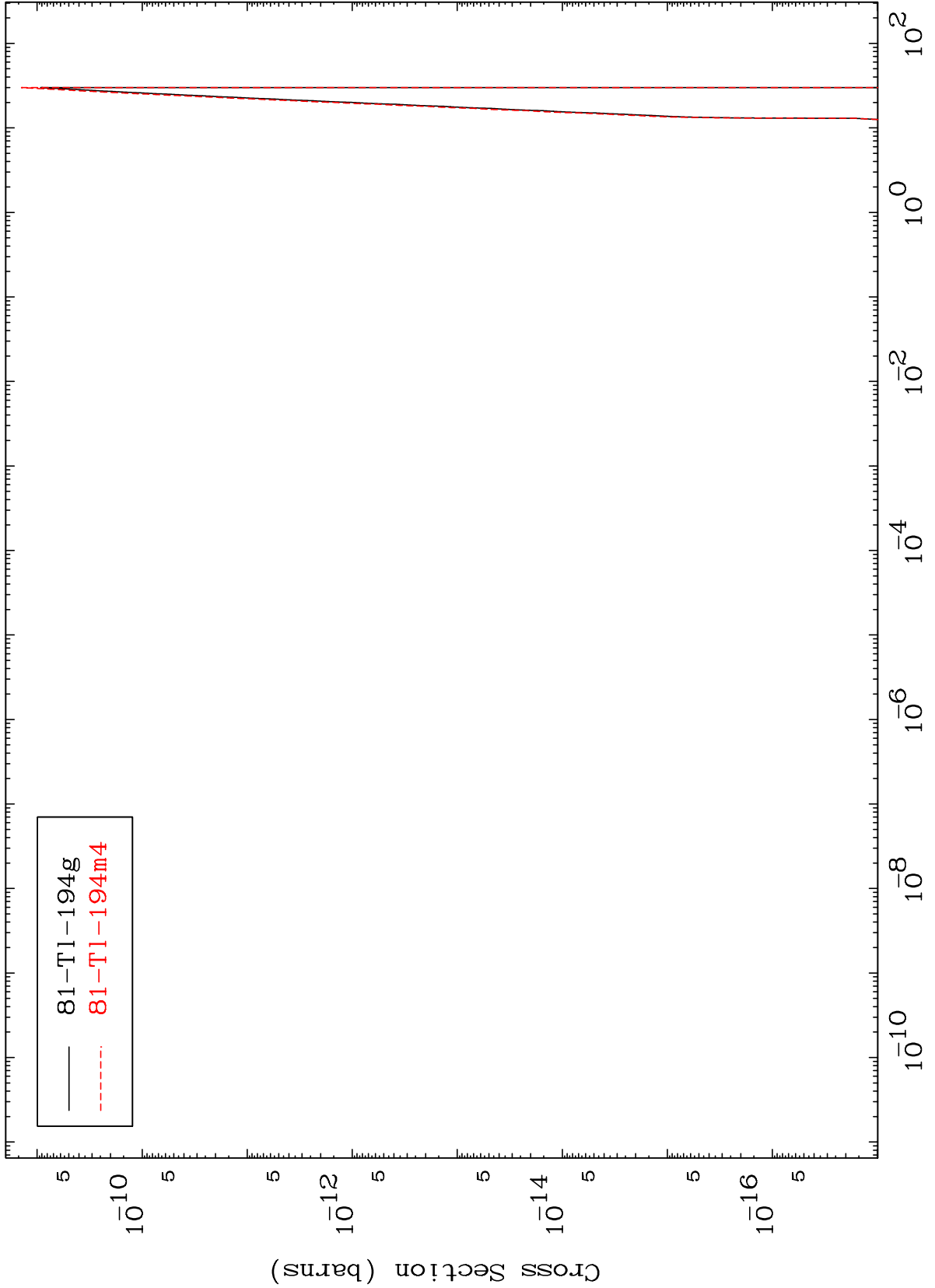
73

MAT 8704

(n,3α)

87-Fr-205

Radionuclide Production Cross Section



74

Incident Energy (MeV)

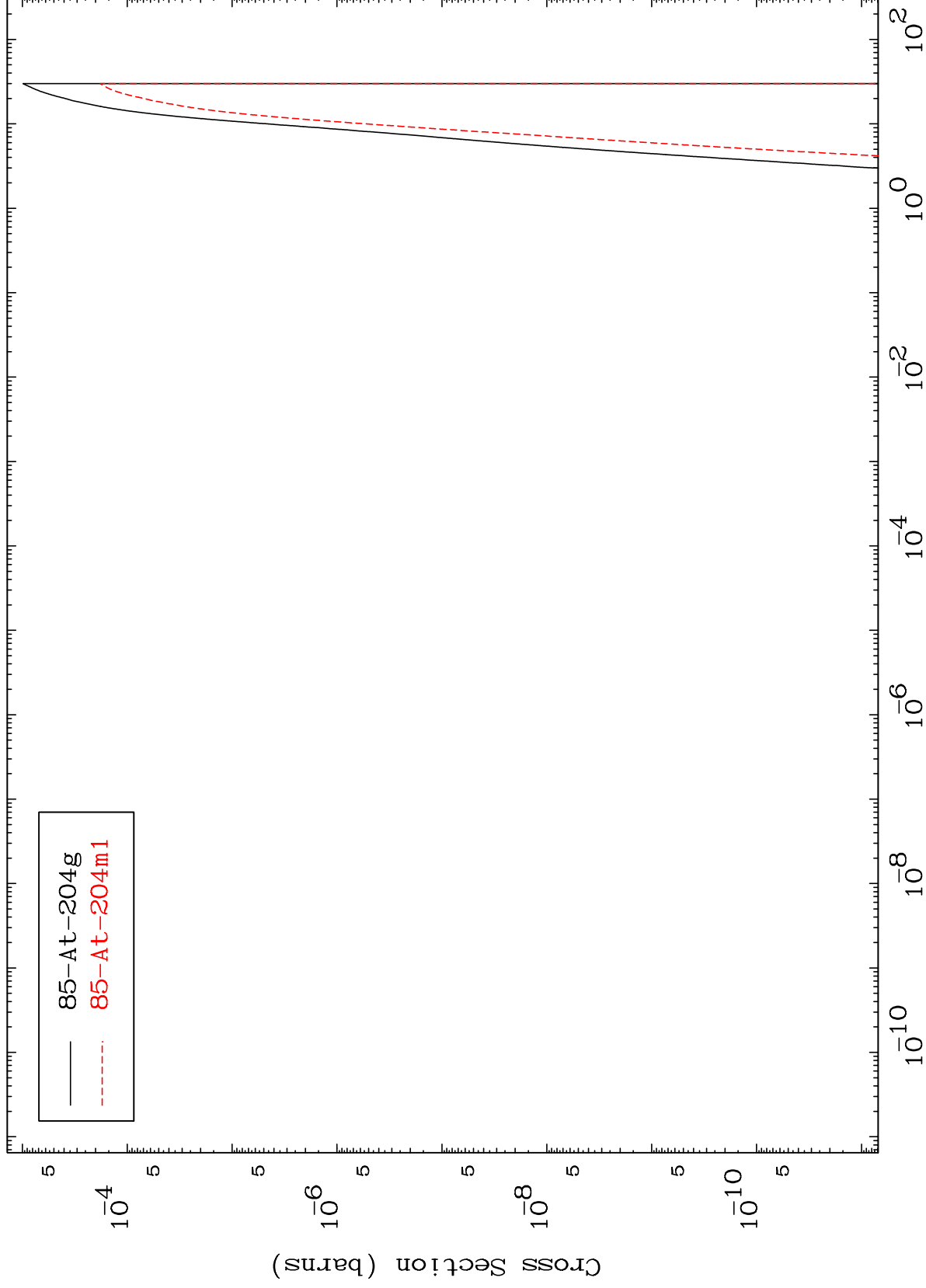
87-Fr-205

MAT 8704

(n,2p)

87-Fr-205

Radionuclide Production Cross Section



75

Incident Energy (MeV)

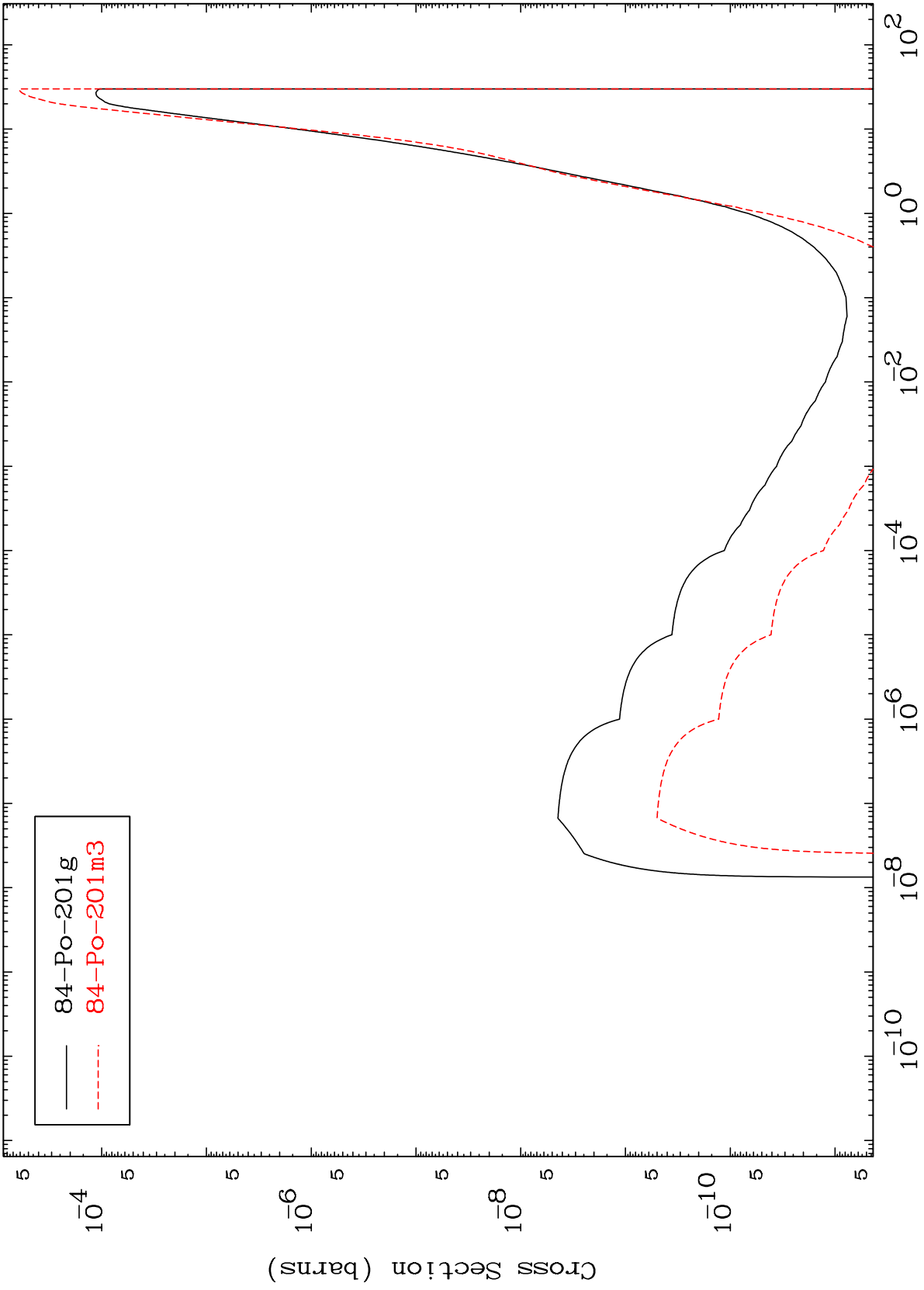
87-Fr-205

MAT 8704

(n,p) α

87-Fr-205

Radionuclide Production Cross Section



— 84-Po-201g
- - - 84-Po-201m3

76

Incident Energy (MeV)

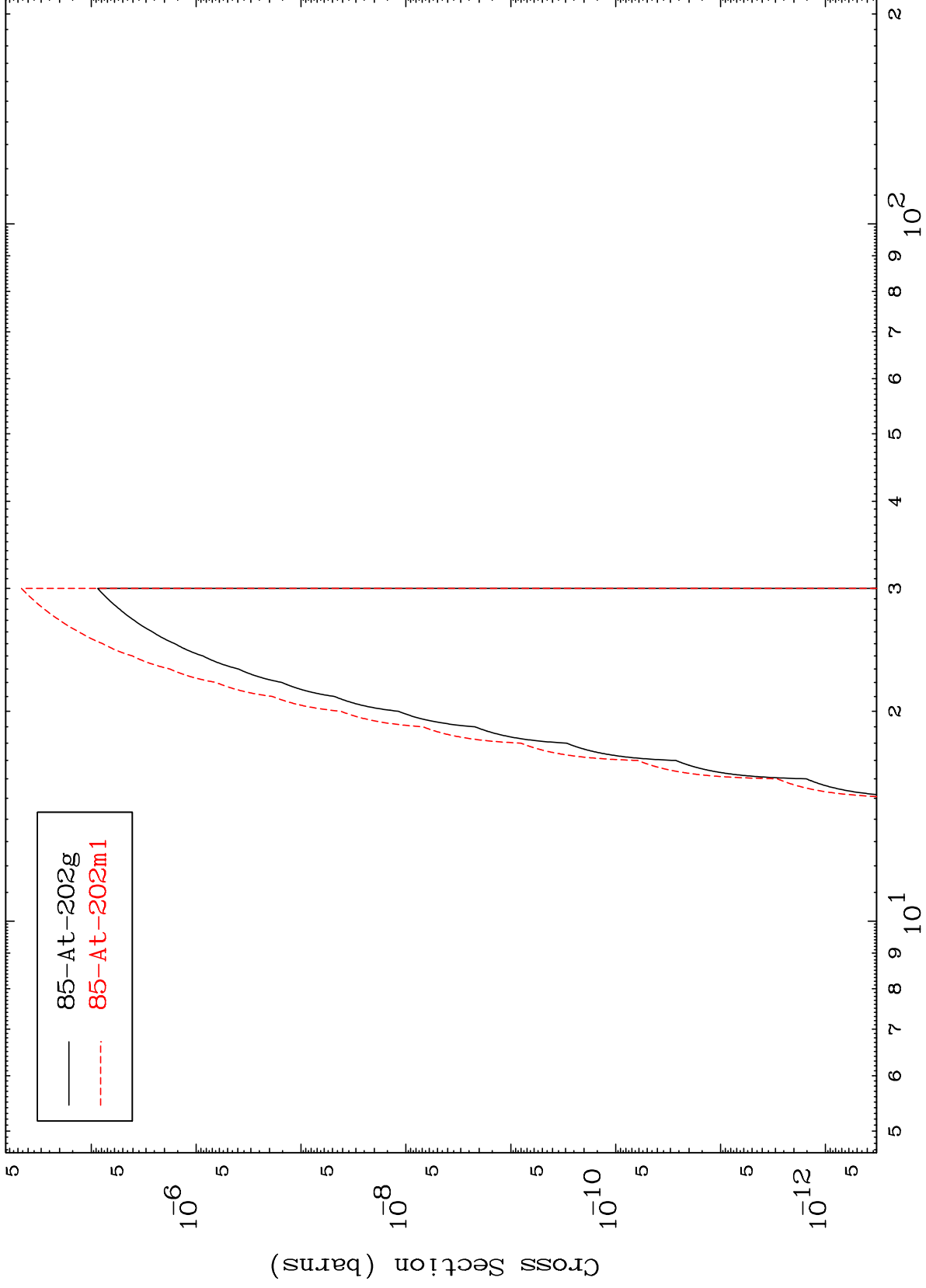
87-Fr-205

MAT 8704

(n,p) t

87-Fr-205

Radionuclide Production Cross Section



77

Incident Energy (MeV)

87-Fr-205