

Program EVALPLOT  
(Version 2015-2)

by

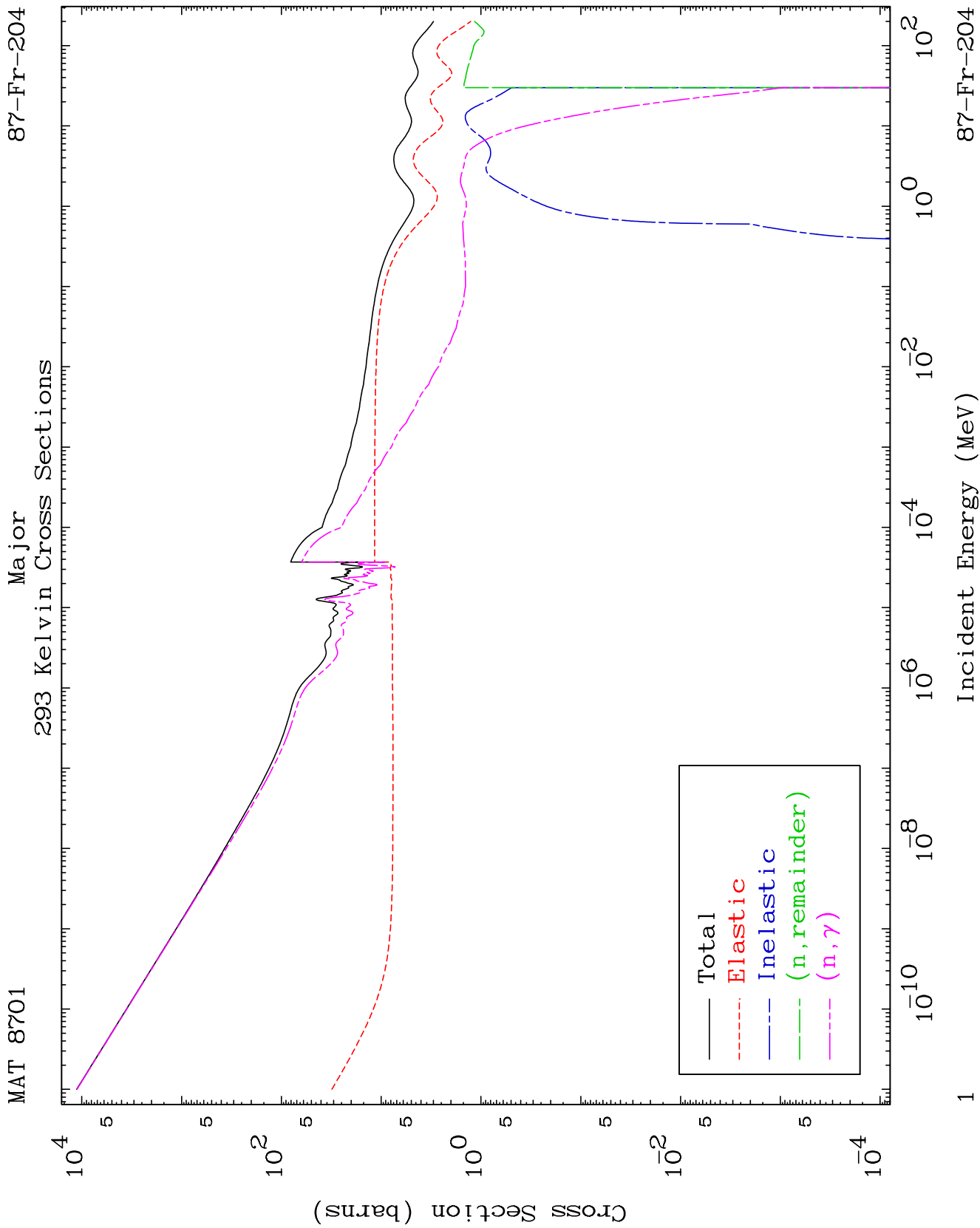
Dermott E. Cullen  
(Present Contact Information)

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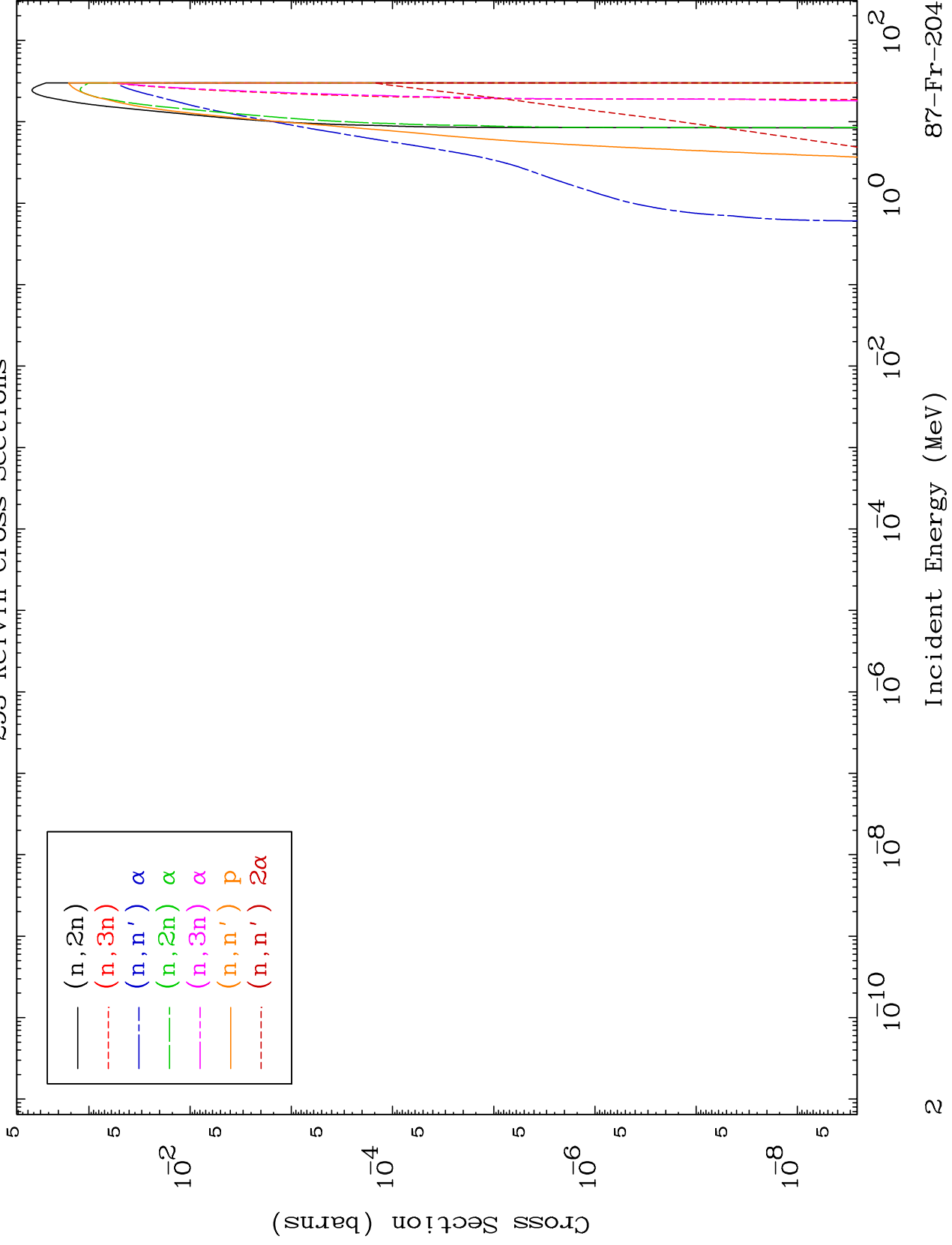
Press Mouse Button to Start



MAT 8701

Neutron Production  
293 Kelvin Cross Sections

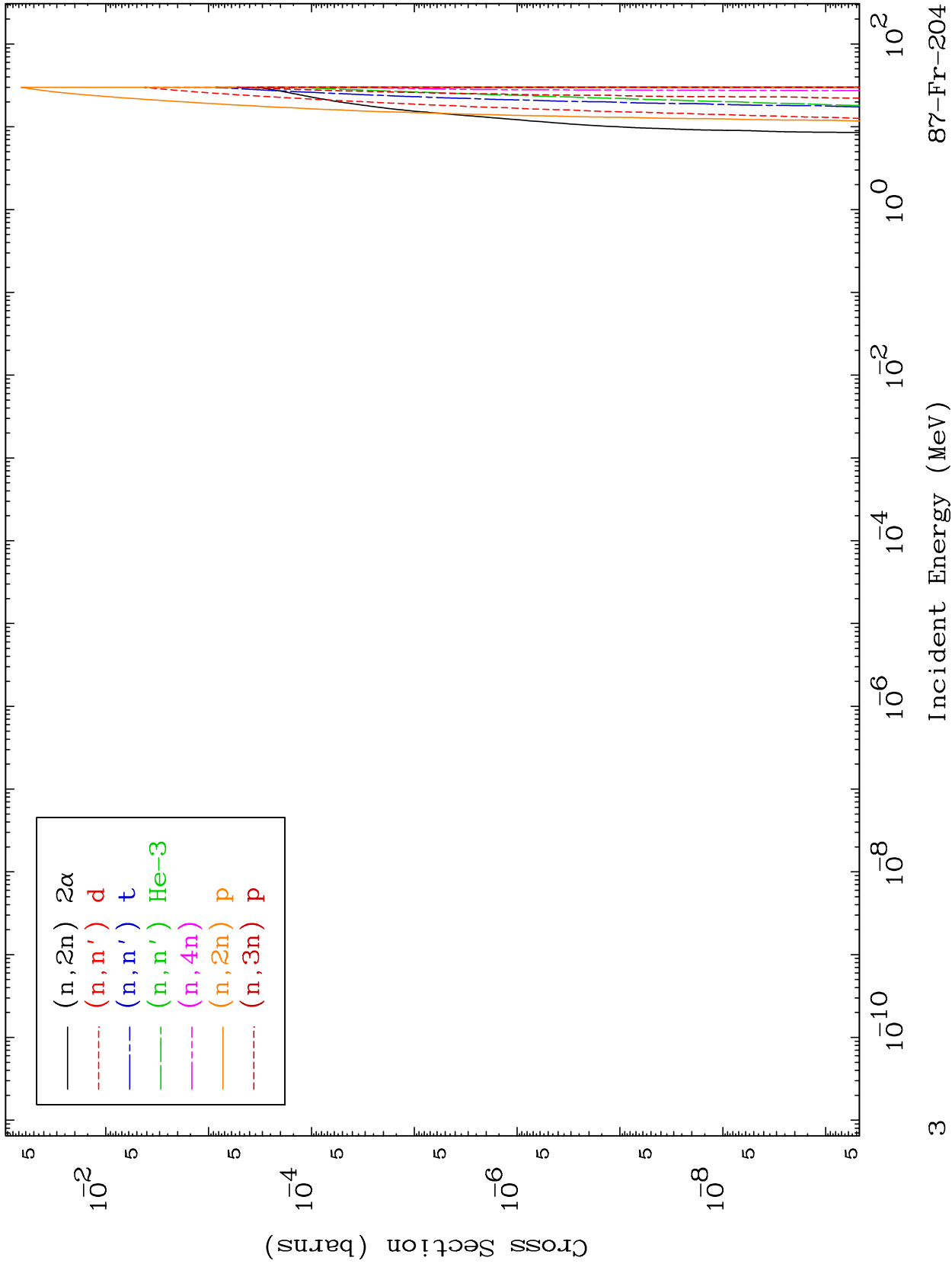
87-Fr-204



MAT 8701

Neutron Production  
293 Kelvin Cross Sections

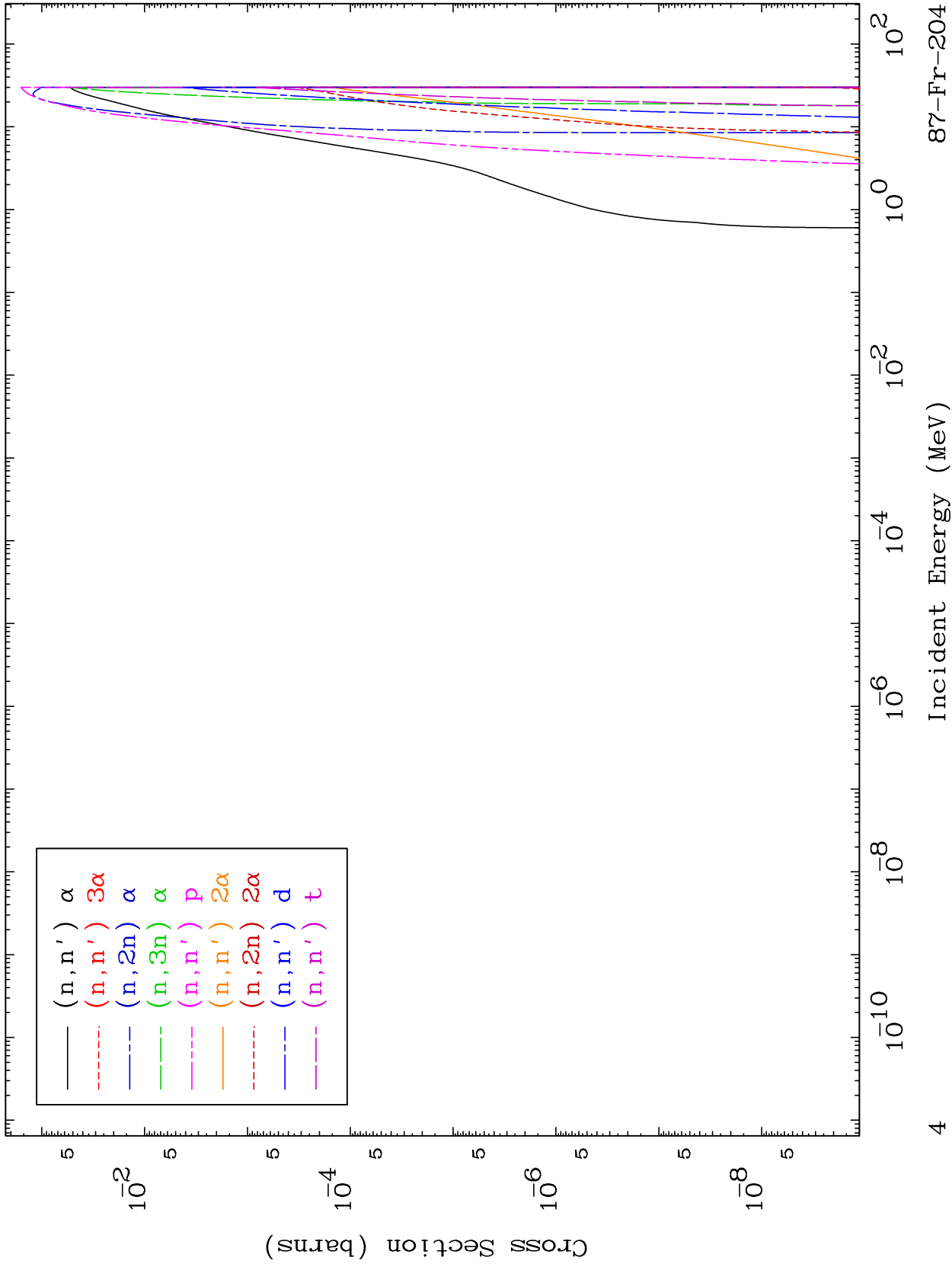
87-Fr-204



MAT 8701

Charged Particle  
293 Kelvin Cross Sections

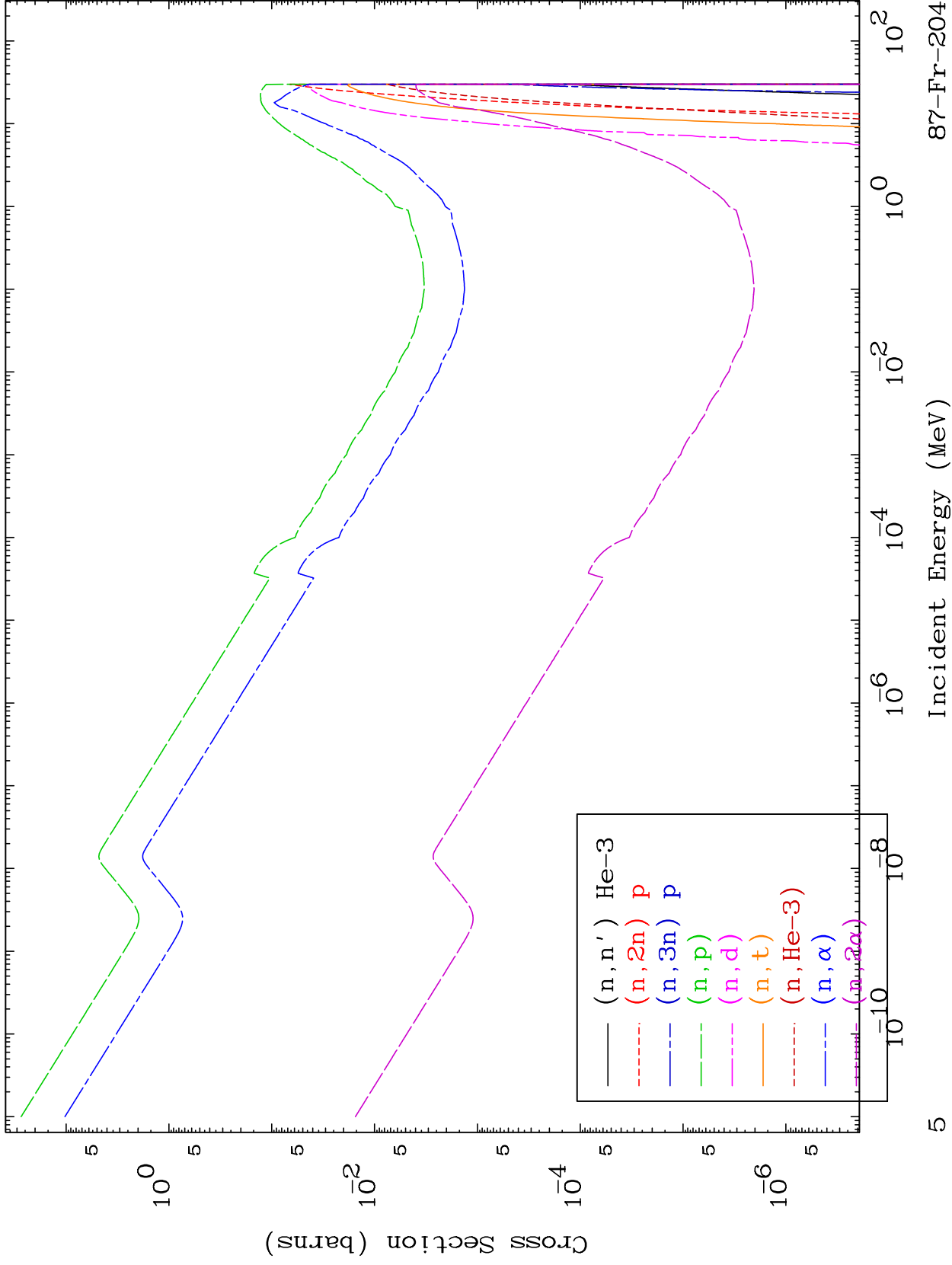
87-Fr-204

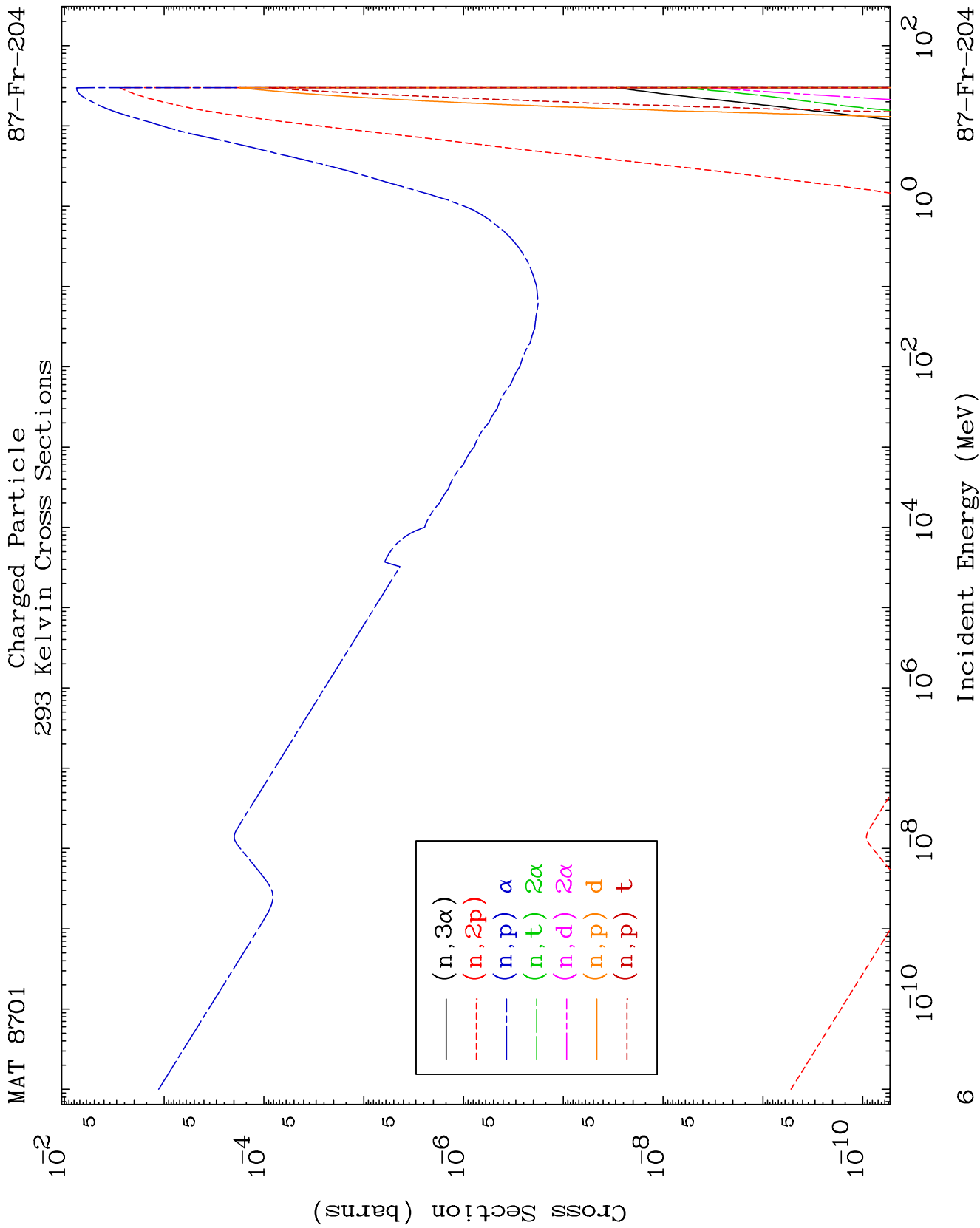


MAT 8701

Charged Particle  
293 Kelvin Cross Sections

87-Fr-204

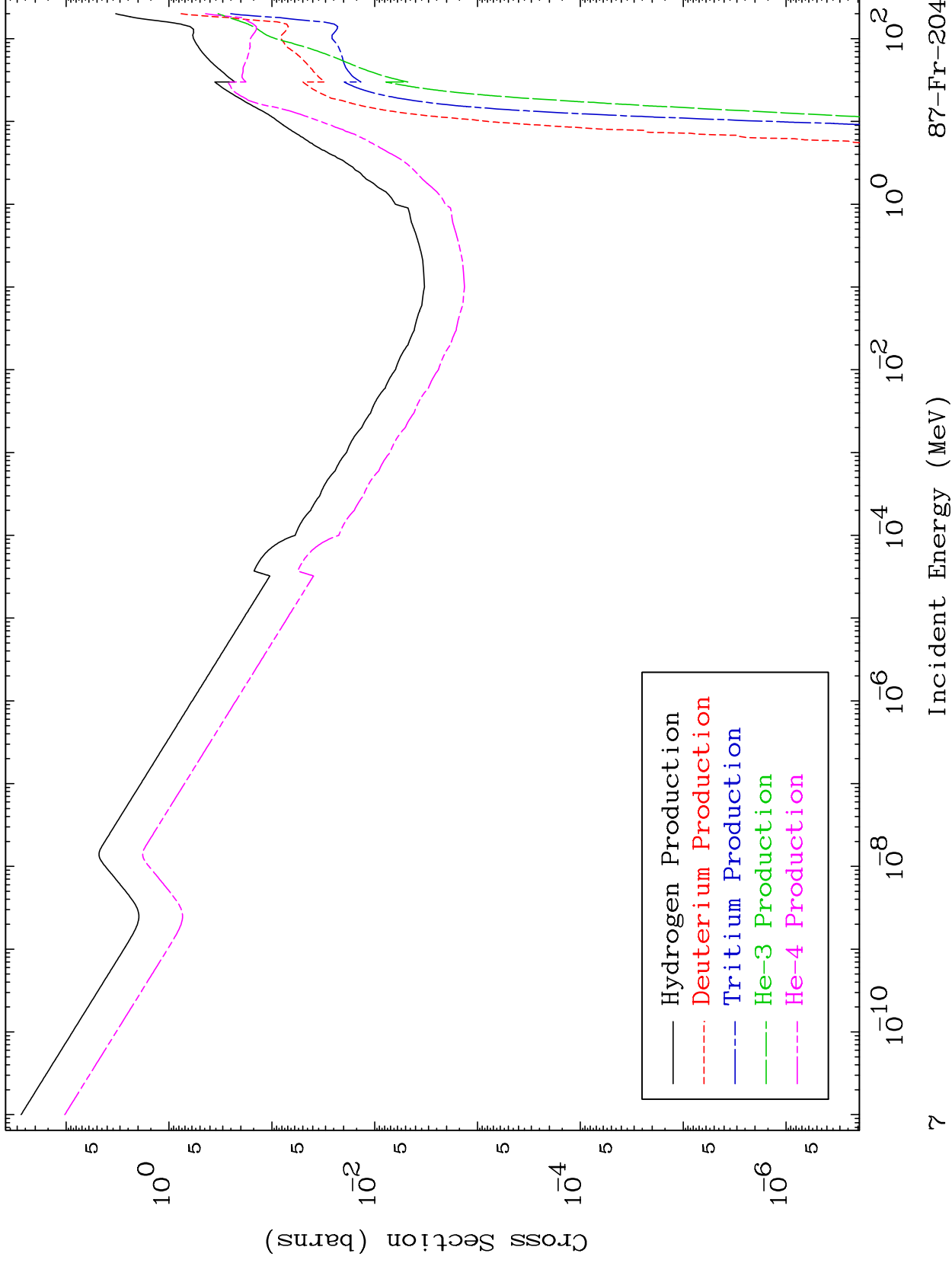




MAT 8701

Particle Production  
293 Kelvin Cross Sections

87-Fr-204



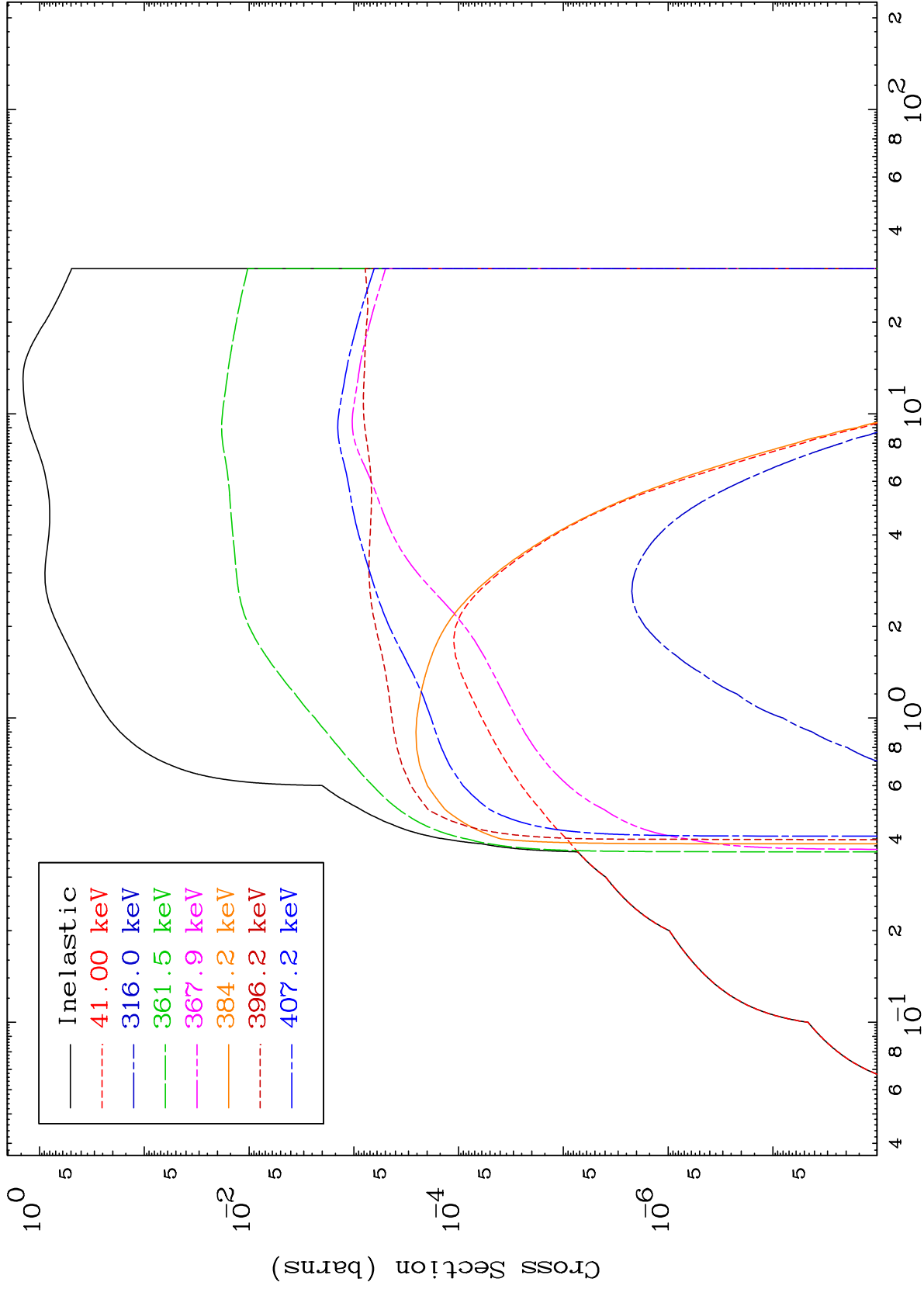


MAT 8701

(n,n') Level

87-Fr-204

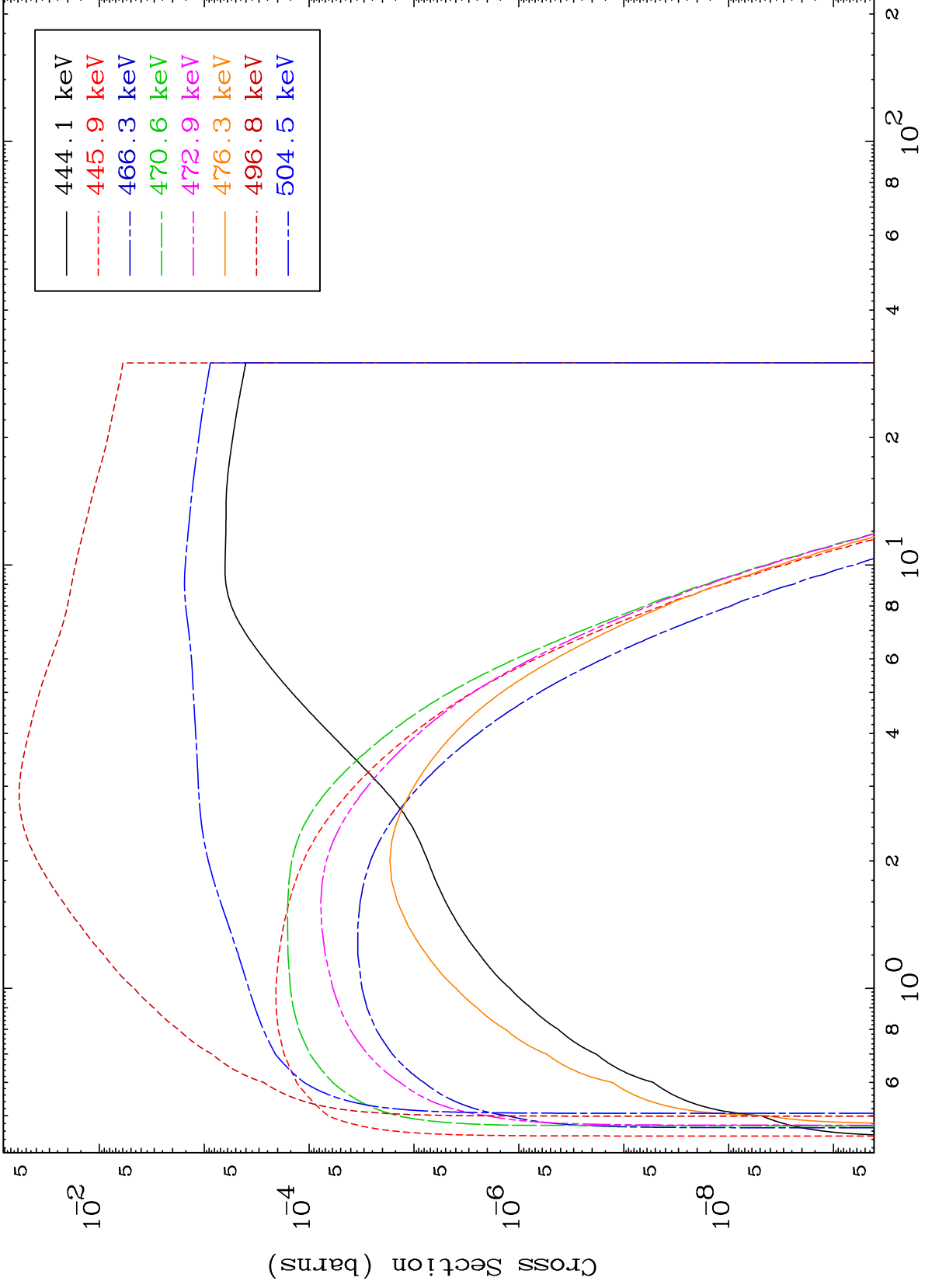
293 Kelvin Cross Sections



MAT 8701

(n,n') Level  
293 Kelvin Cross Sections

87-Fr-204



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Incident Energy (MeV)

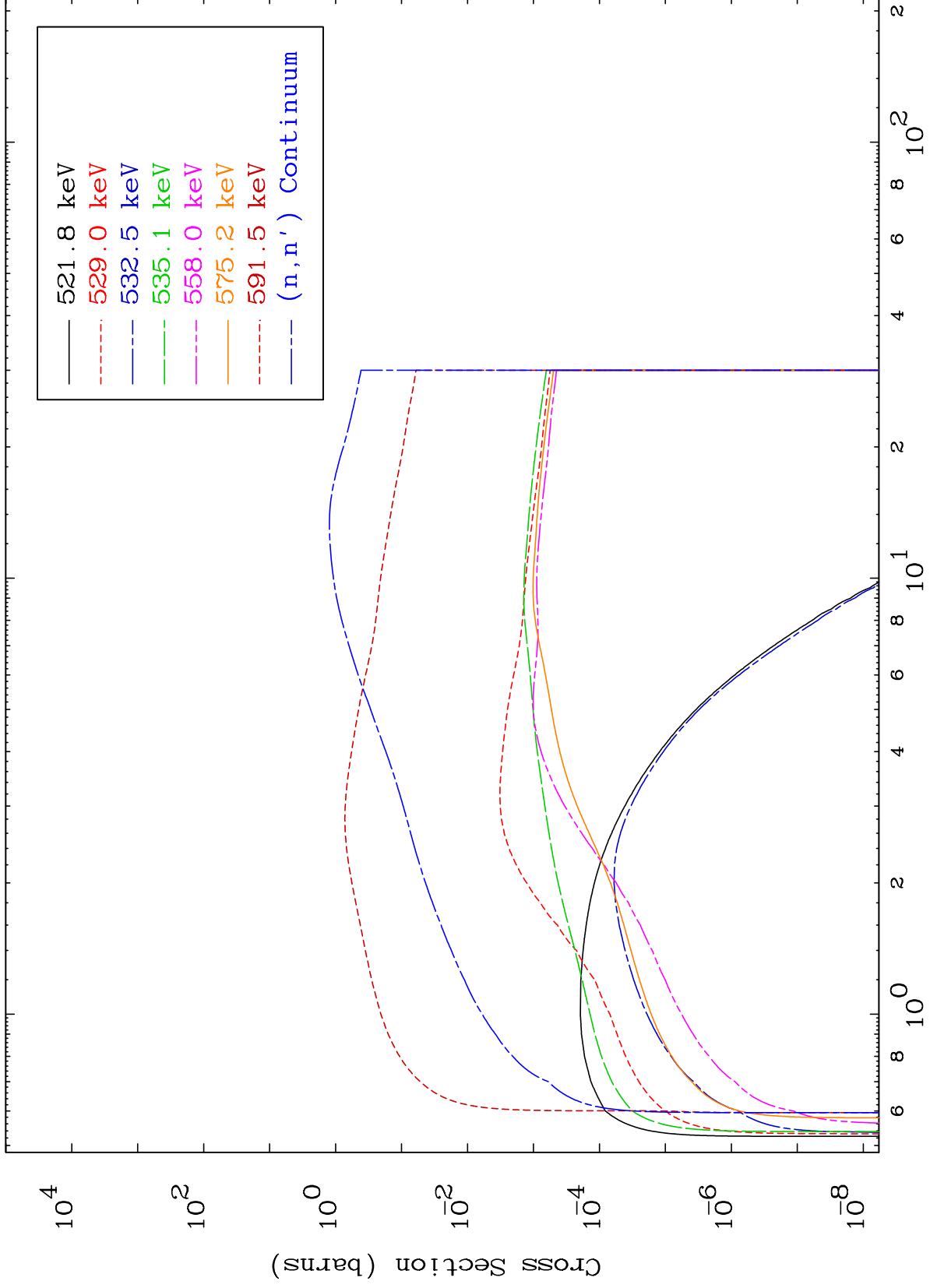
87-Fr-204

MAT 8701

(n,n') Level

87-Fr-204

293 Kelvin Cross Sections



10

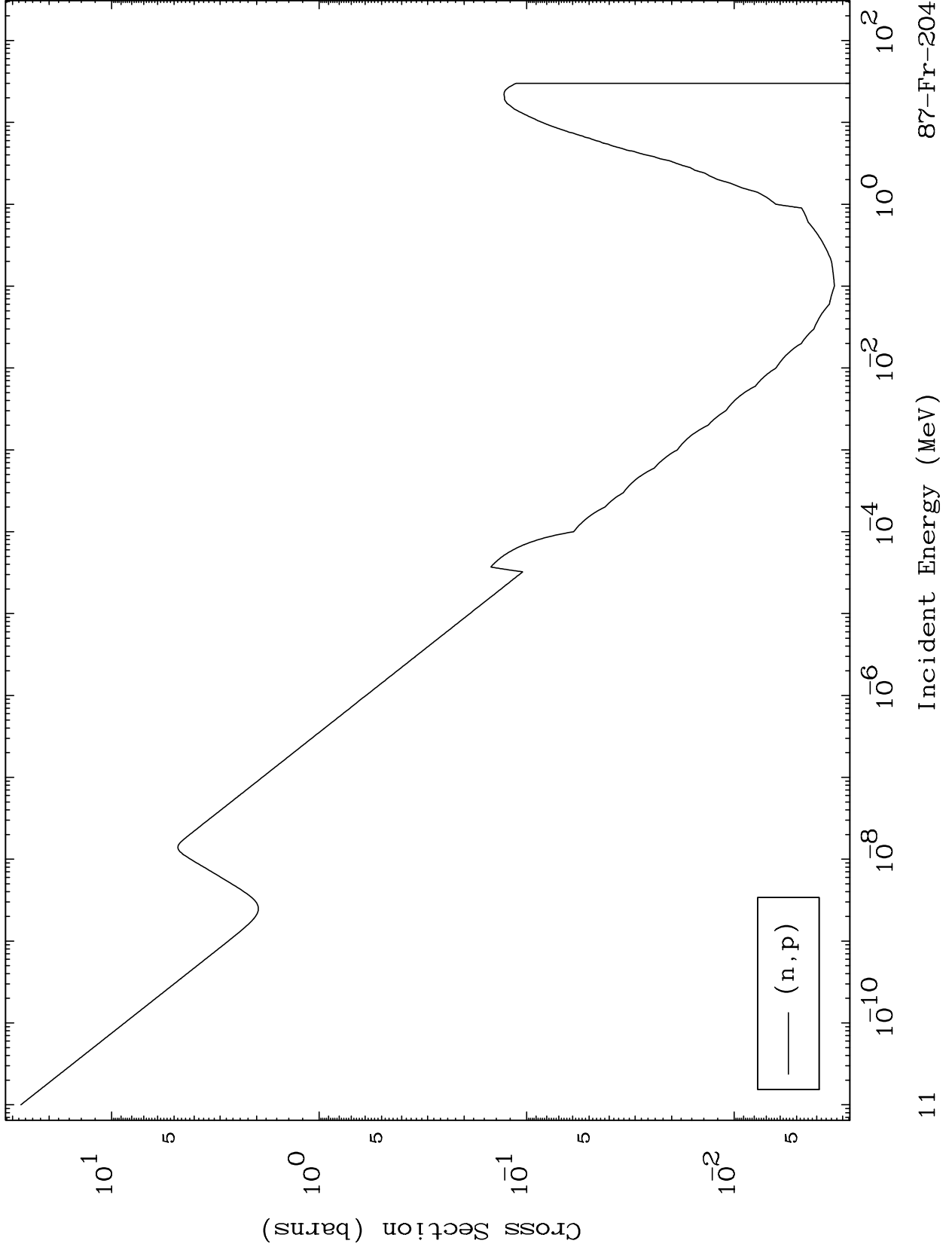
Incident Energy (MeV)

87-Fr-204

MAT 8701

(n,p) Levels  
293 Kelvin Cross Sections

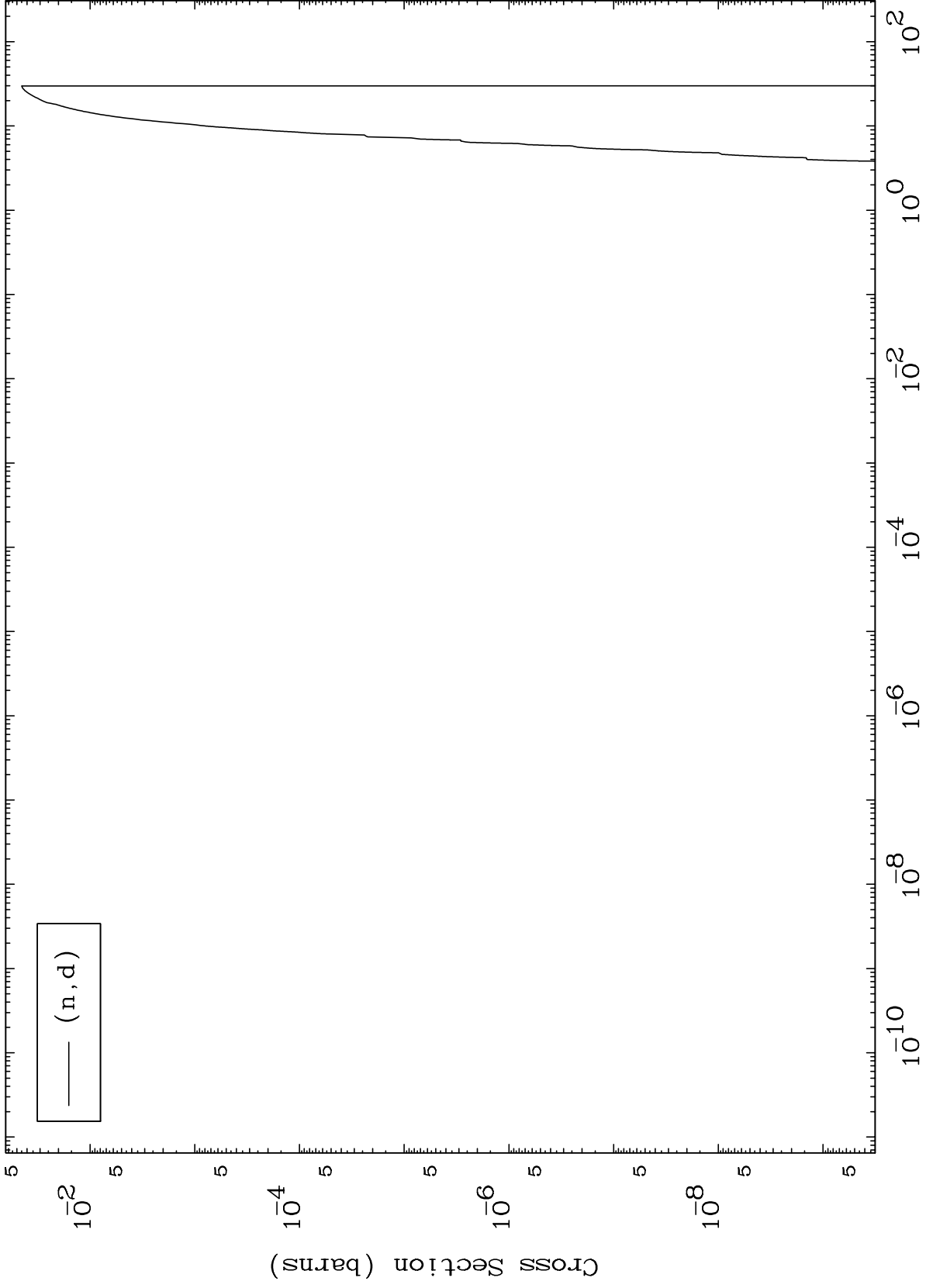
87-Fr-204



MAT 8701

(n,d) Levels  
293 Kelvin Cross Sections

87-Fr-204



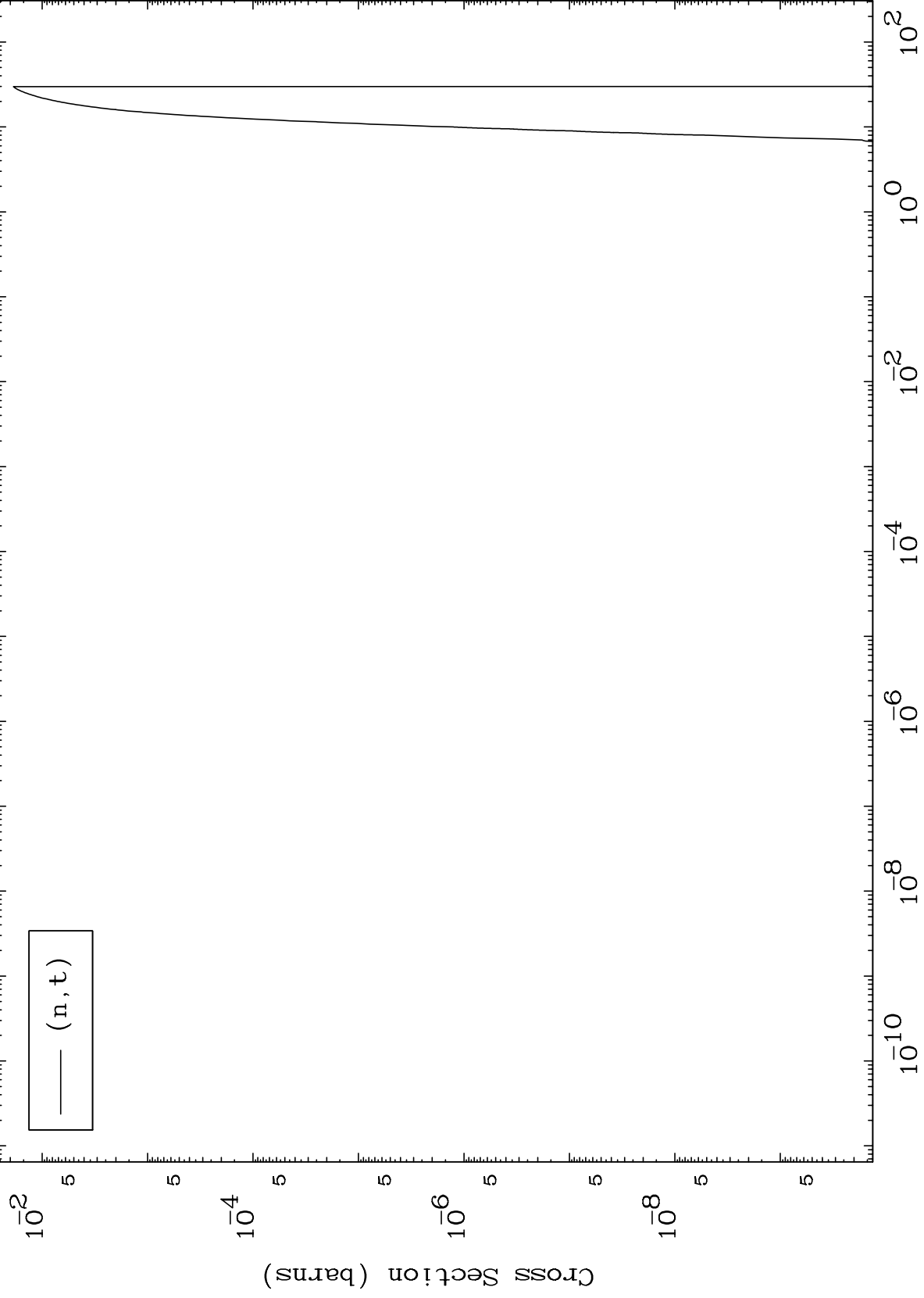
12

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MAT 8701

(n,t) Levels  
293 Kelvin Cross Sections

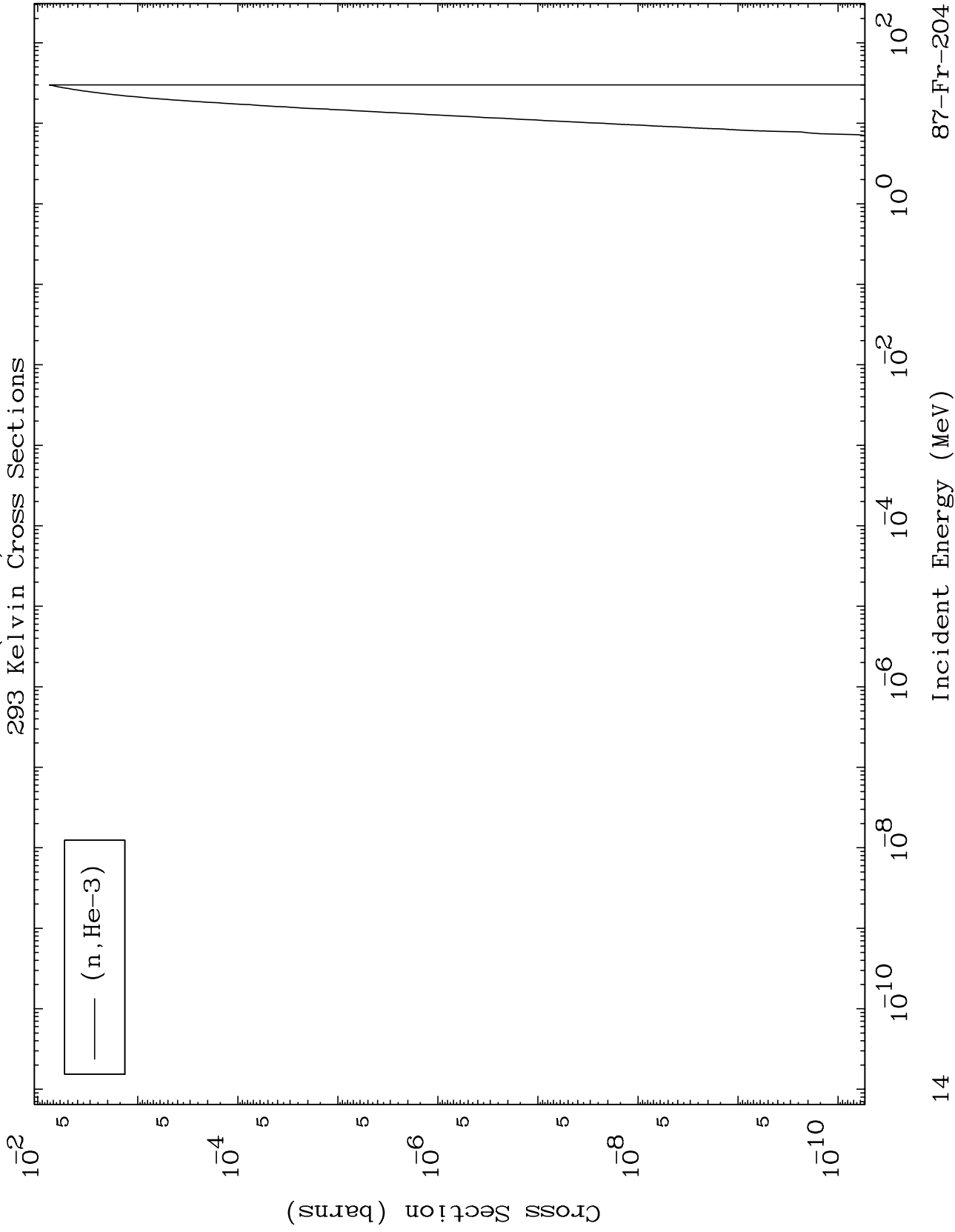
87-Fr-204

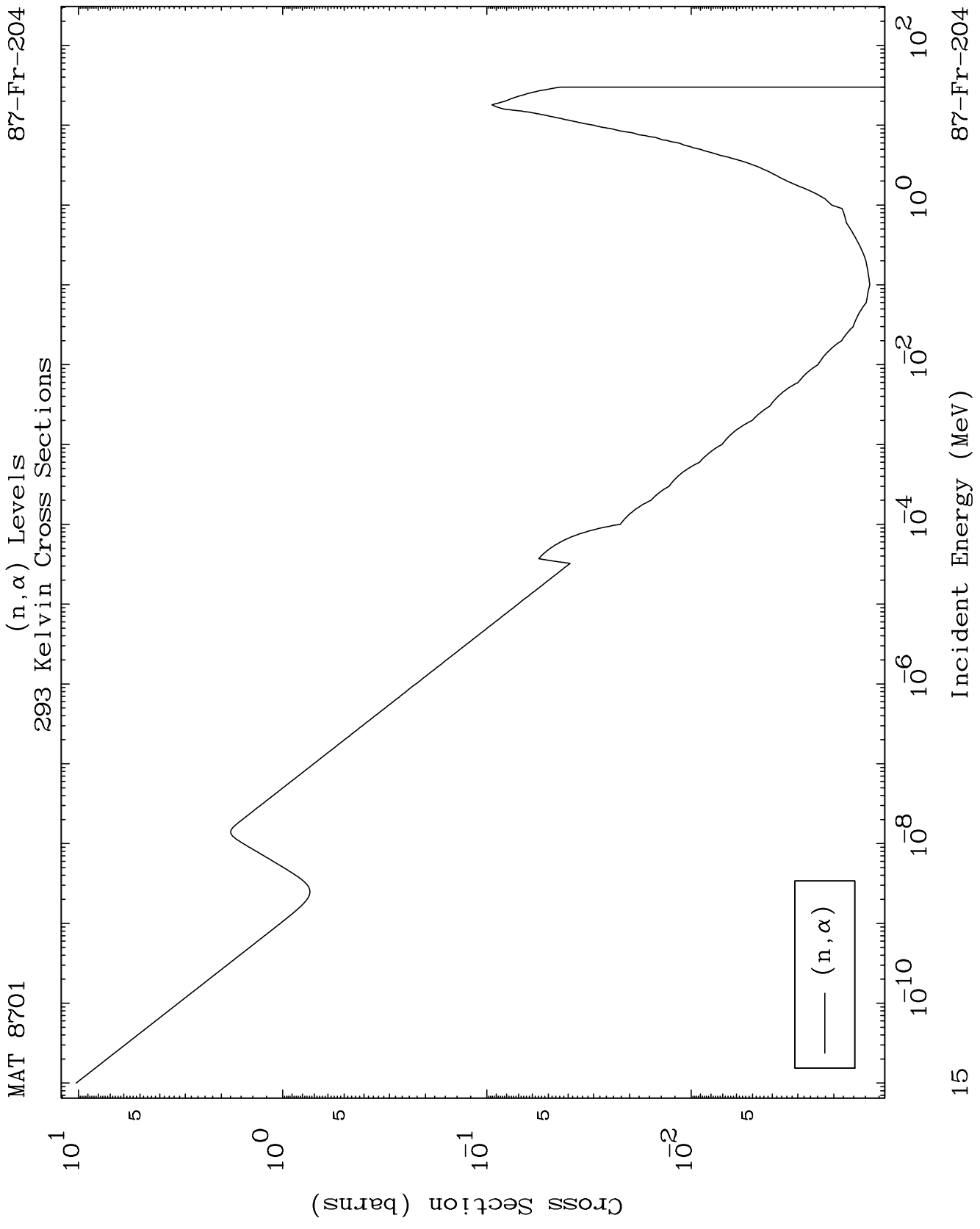


MAT 8701

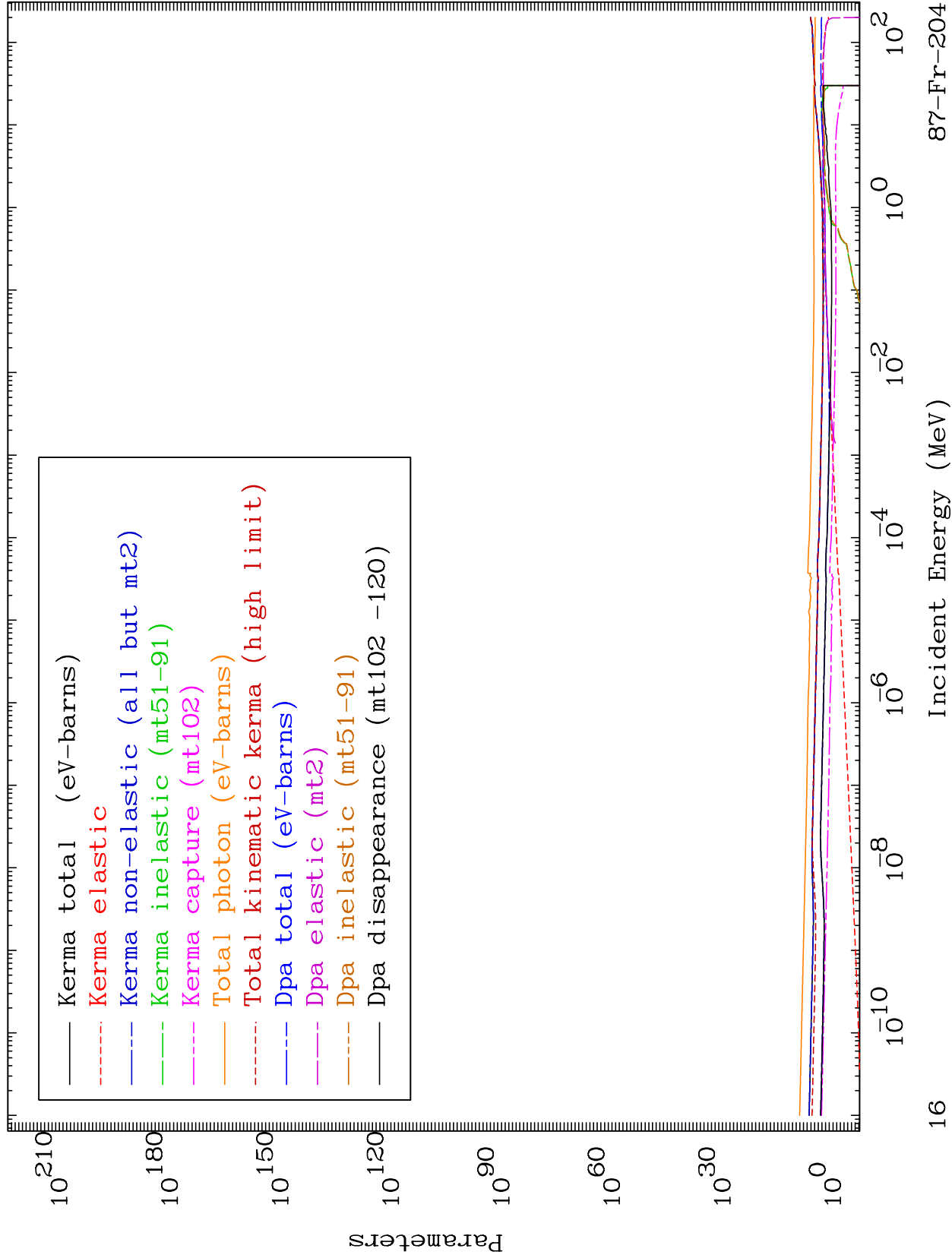
(n,He3) Levels  
293 Kelvin Cross Sections

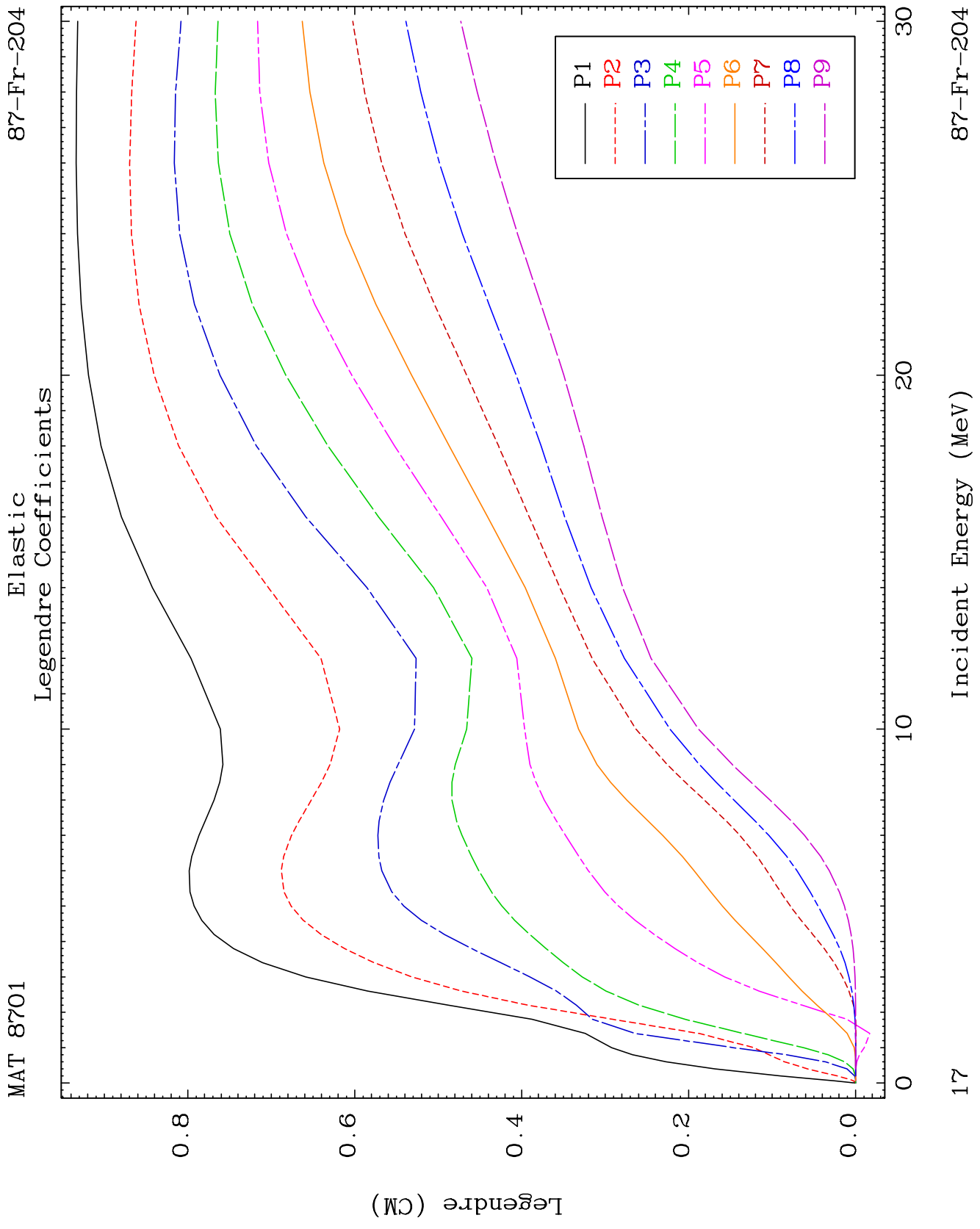
87-Fr-204

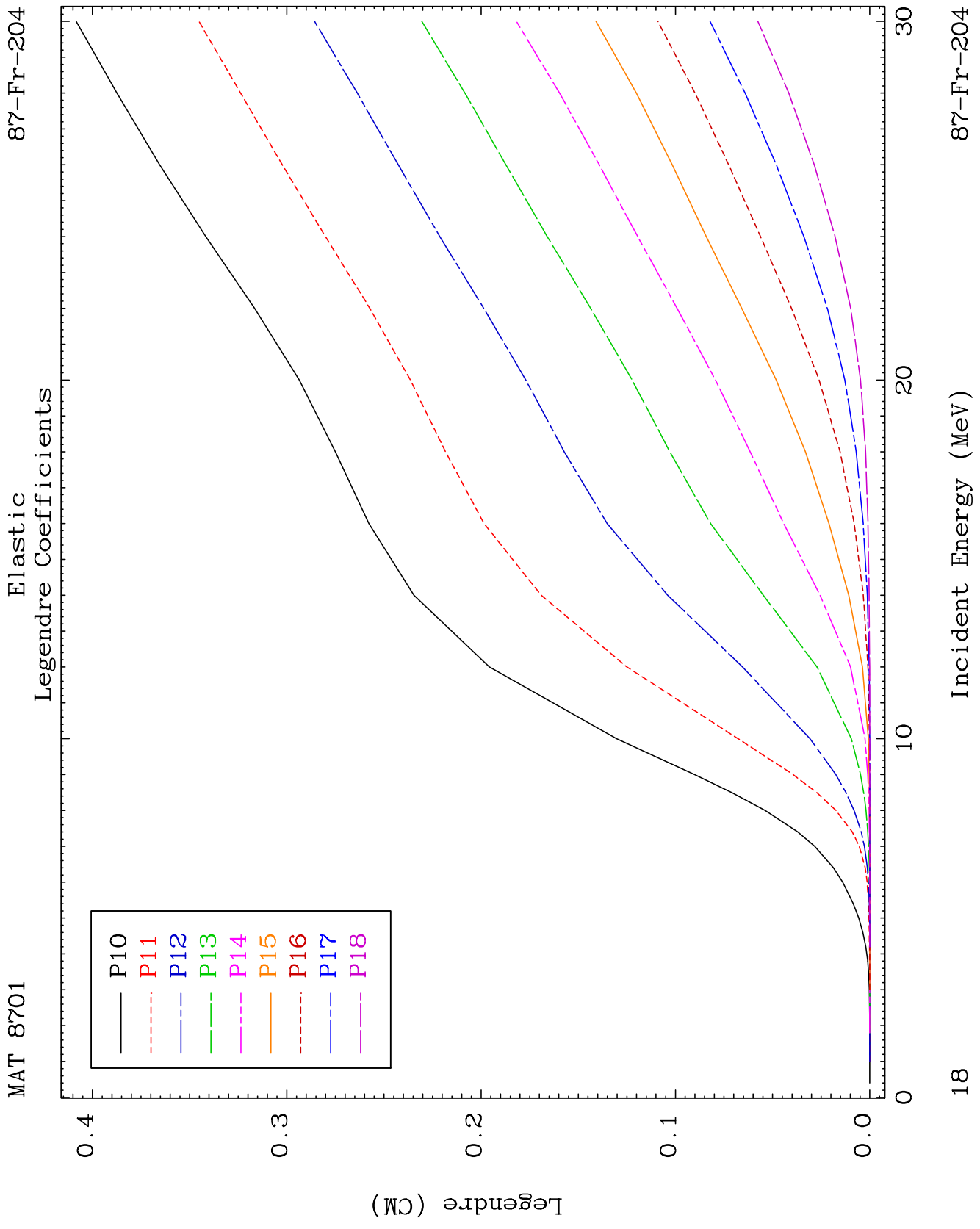








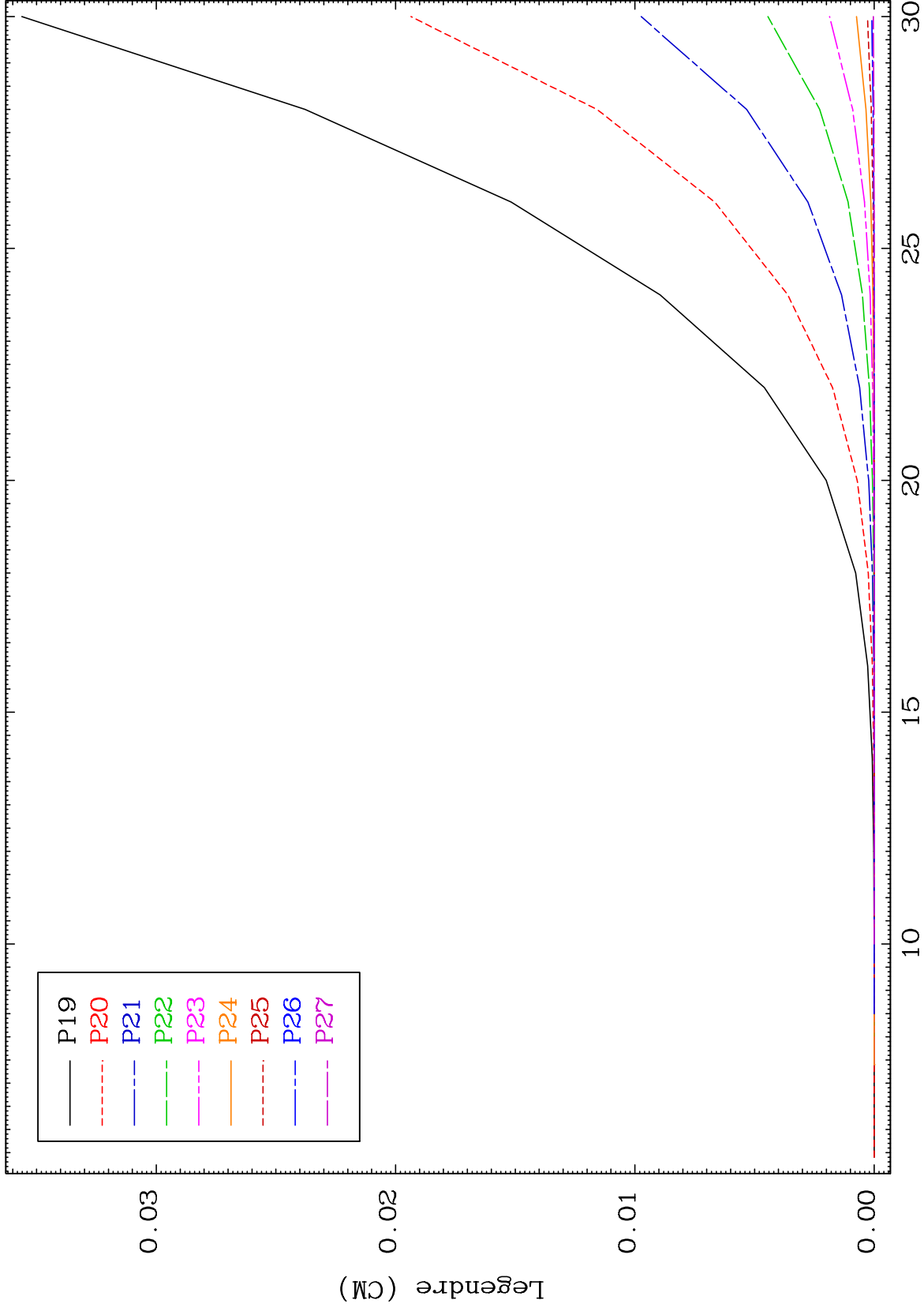




MAT 8701

Elastic  
Legendre Coefficients

87-Fr-204



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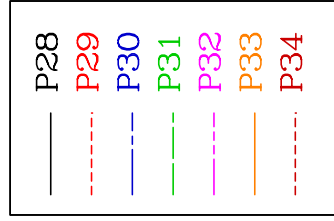
Incident Energy (MeV)

87-Fr-204

MAT 8701

Elastic Legendre Coefficients

87-Fr-204



$\times 10^{-5}$

1.2

1.0

Legendre (CM)

0.8

0.6

0.4

0.2

0.0

15

20

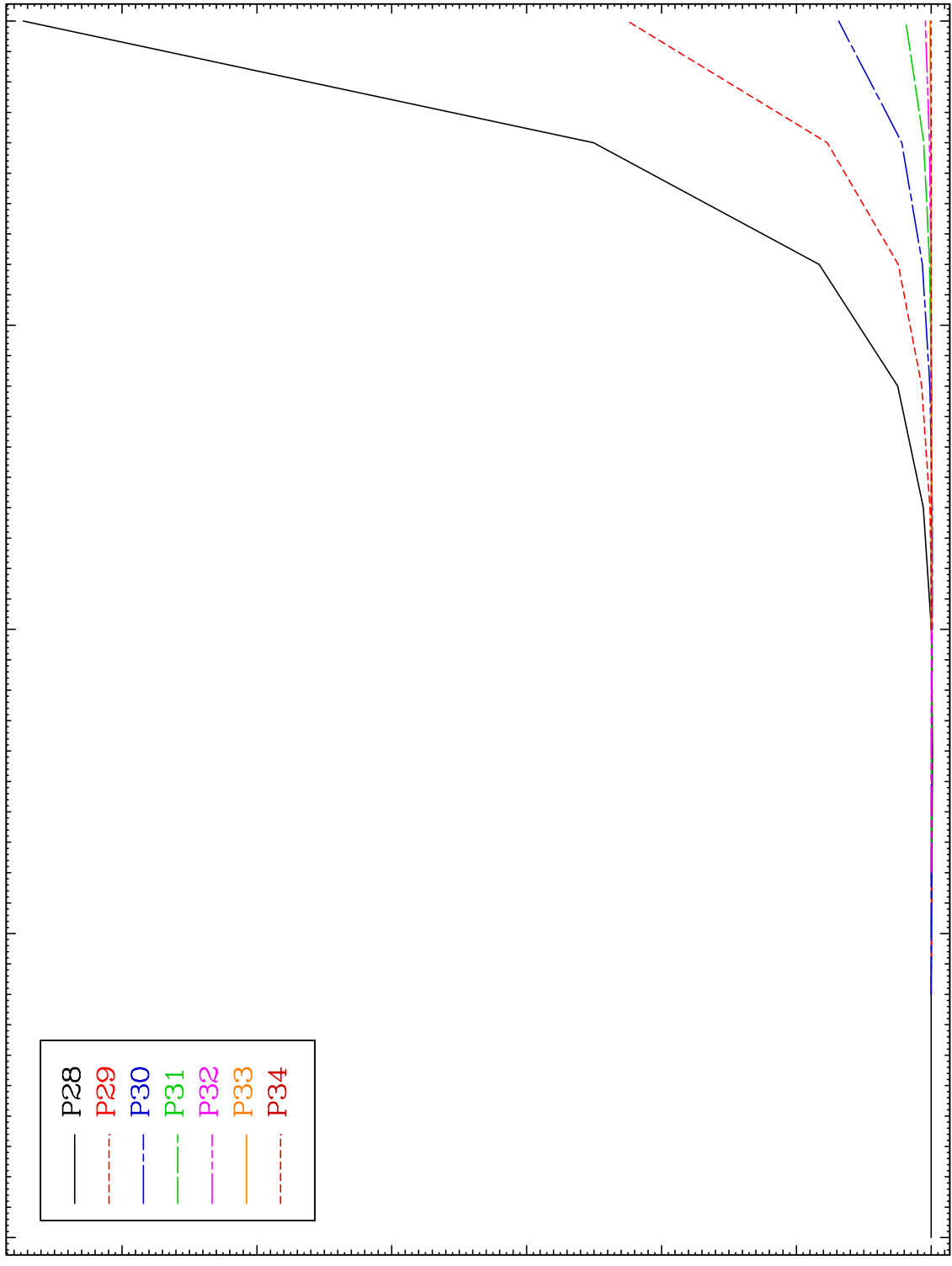
25

30

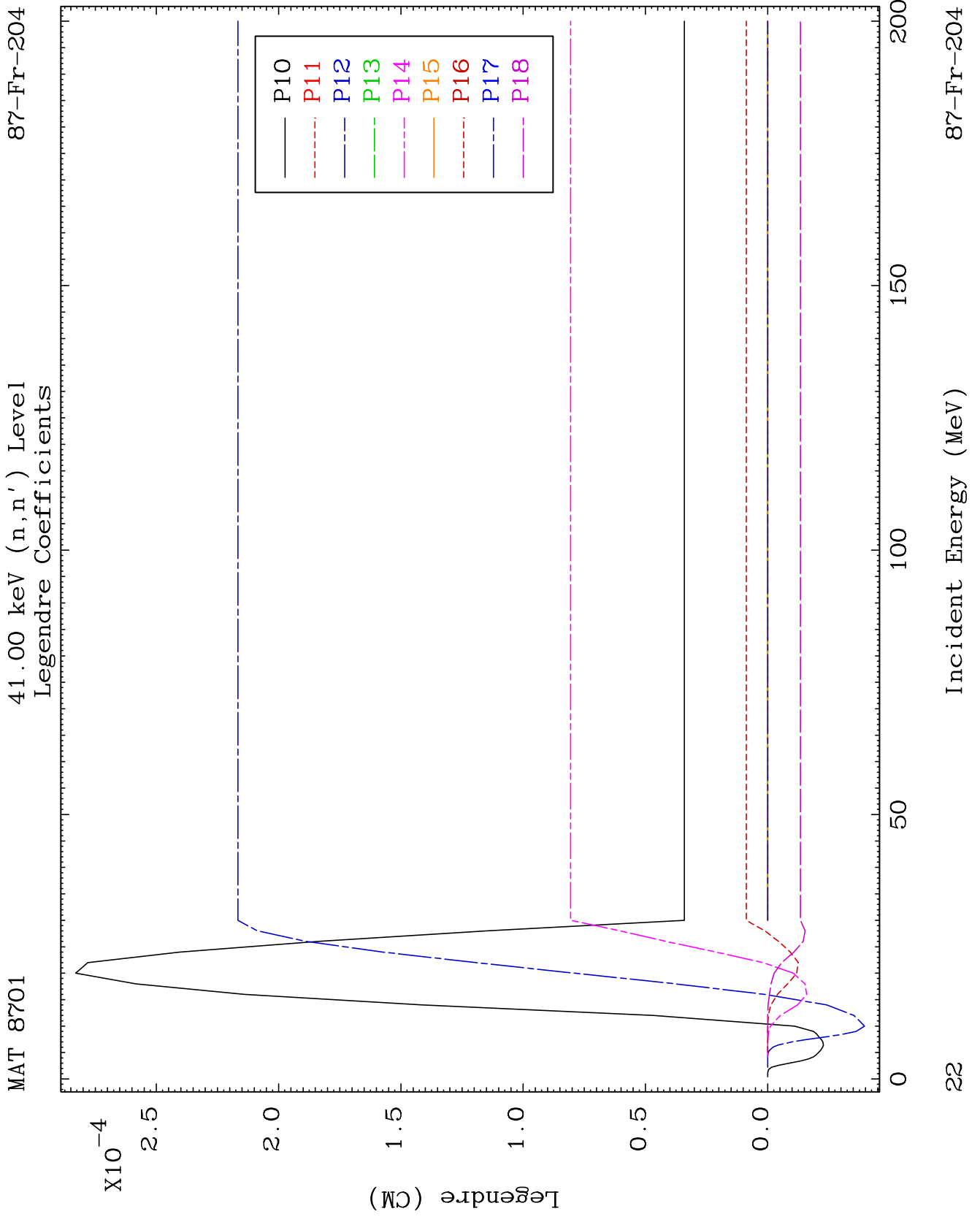
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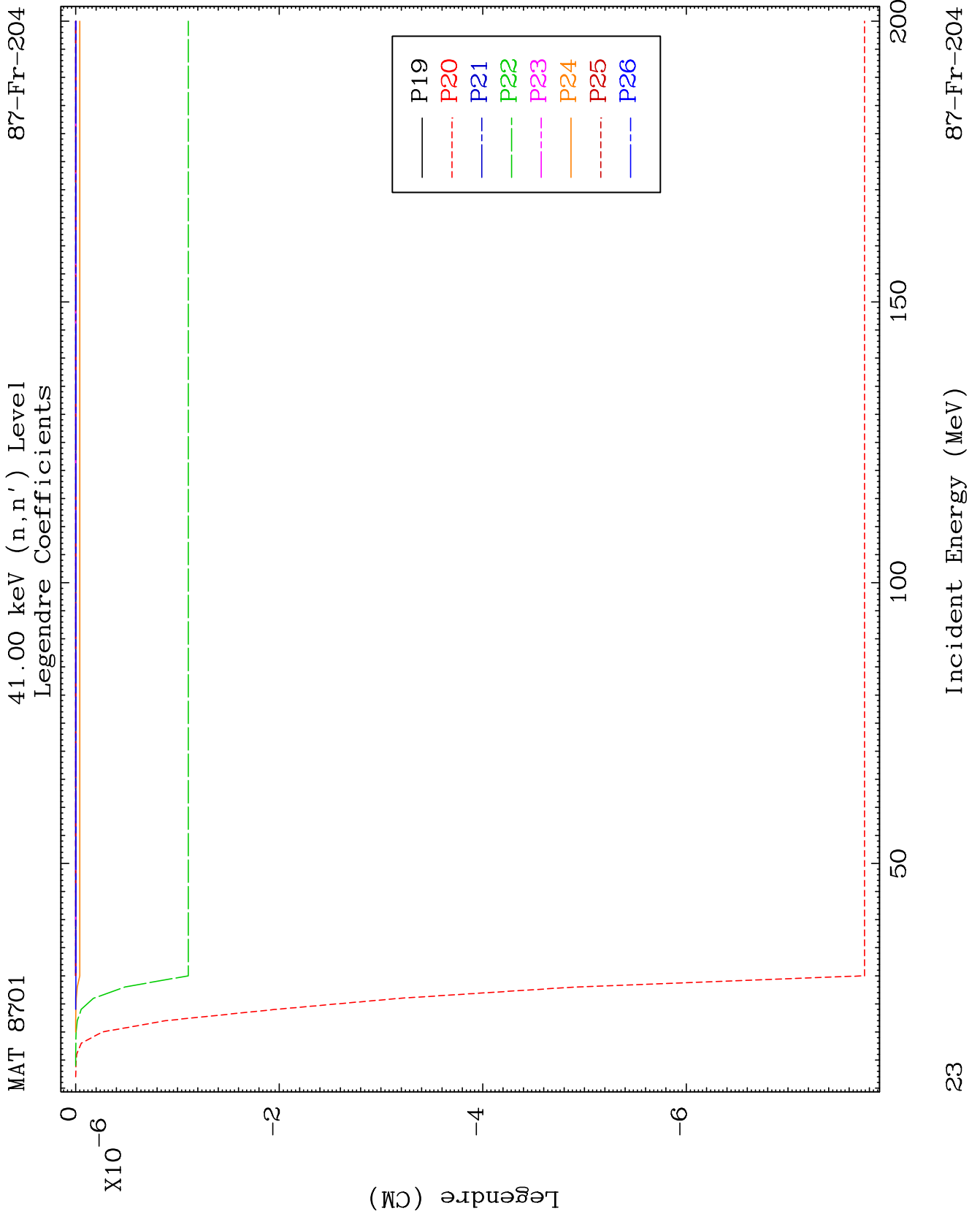
Incident Energy (MeV)

87-Fr-204



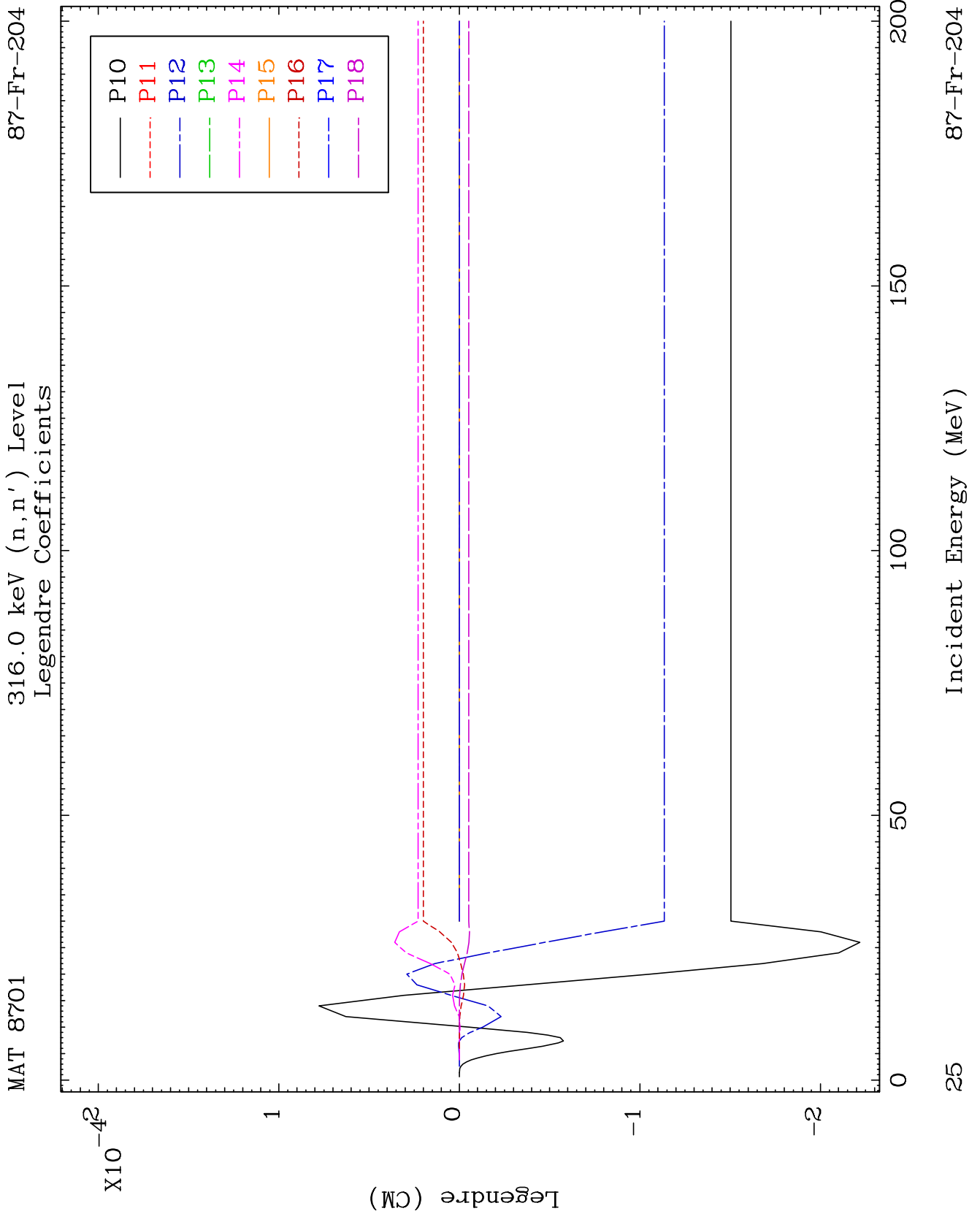


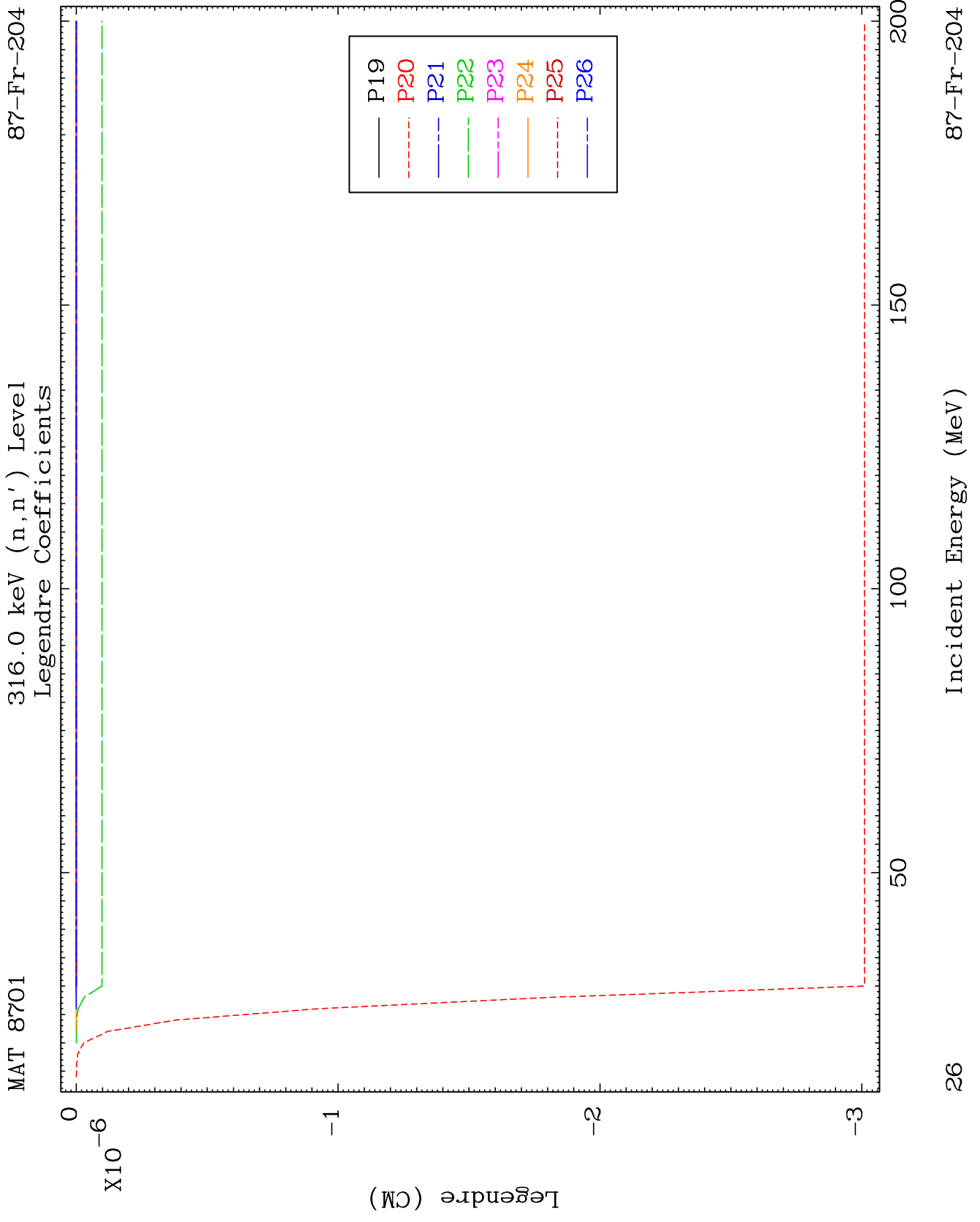


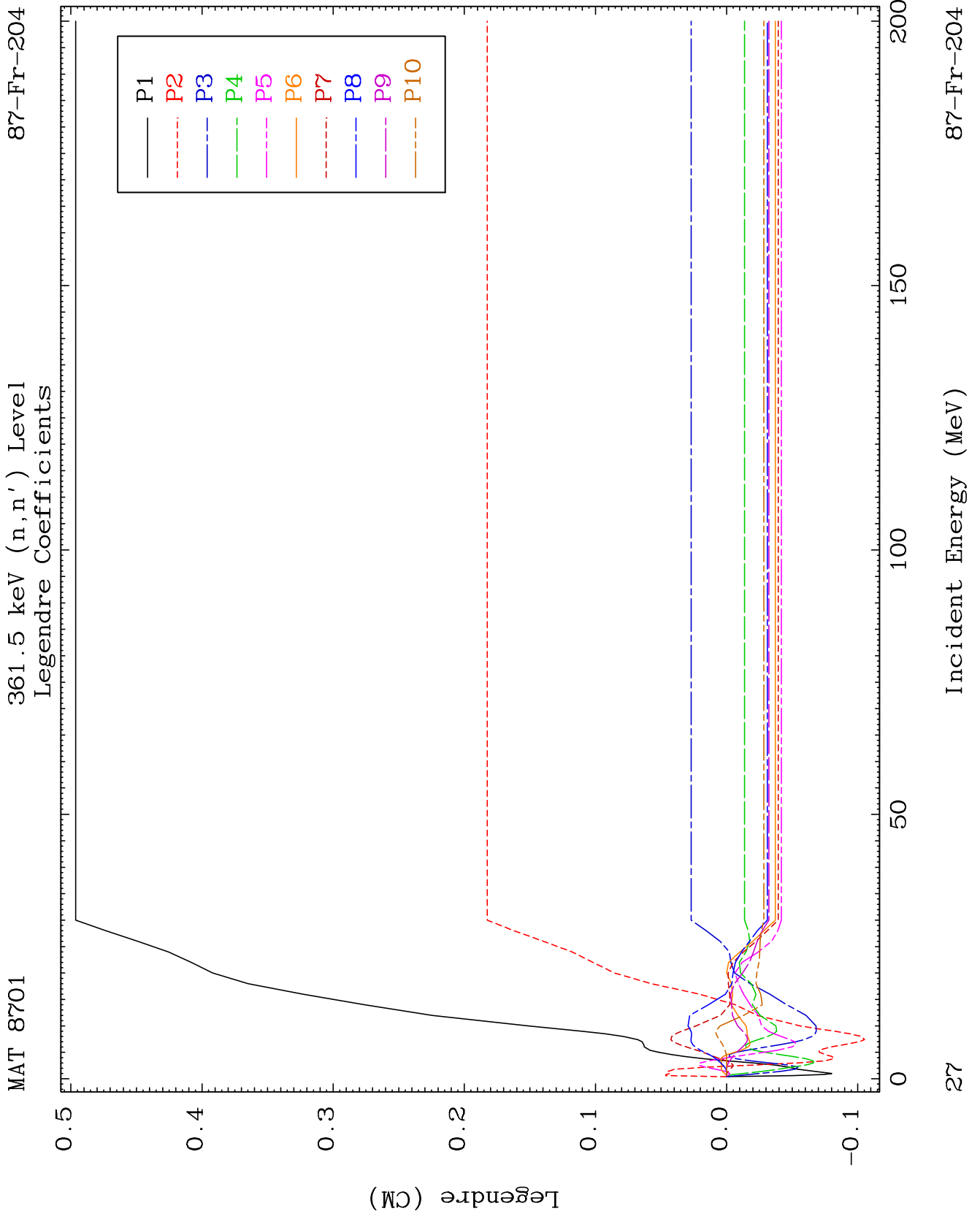








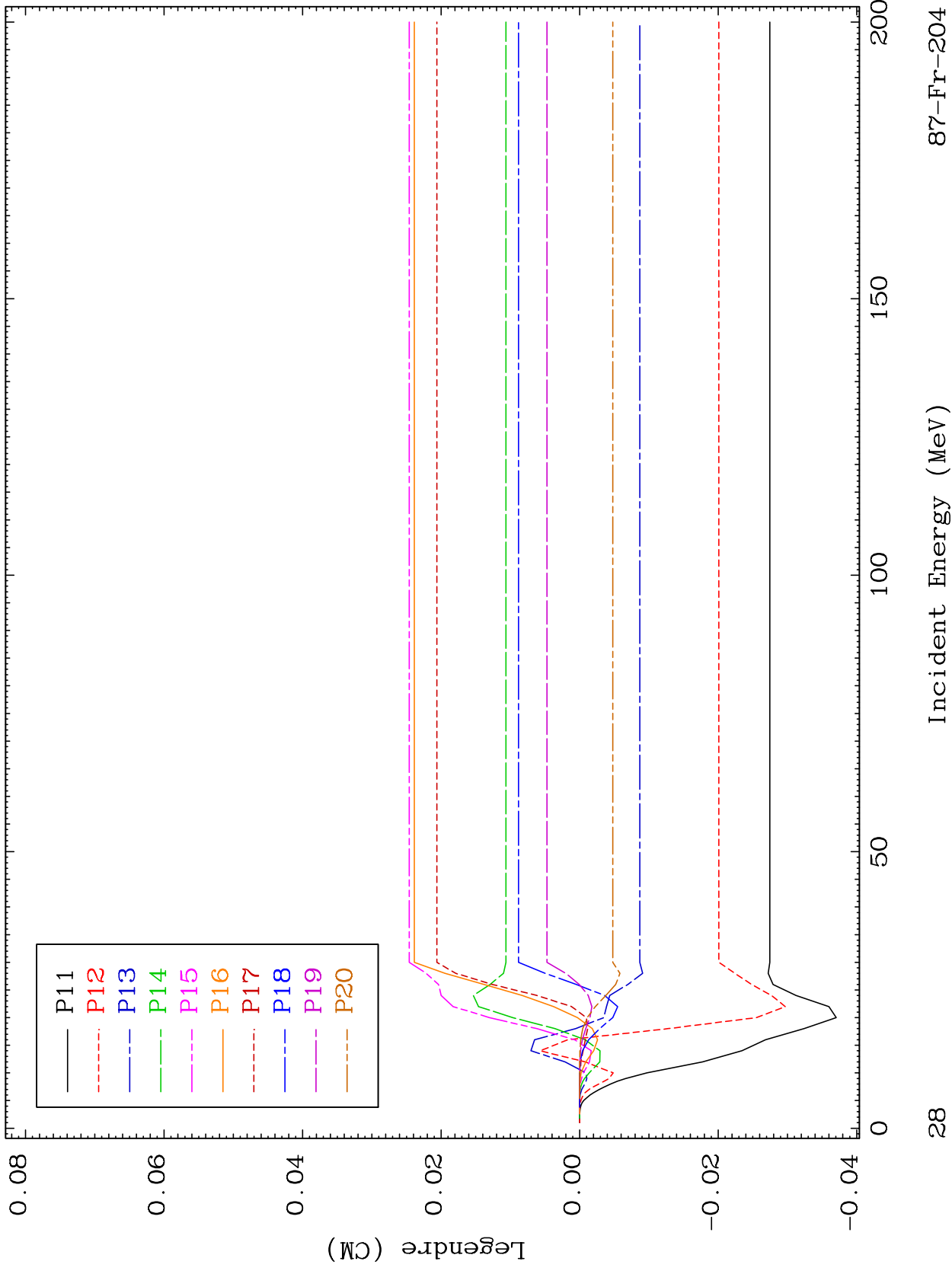




MAT 8701

361.5 keV (n,n') Level  
Legendre Coefficients

87-Fr-204



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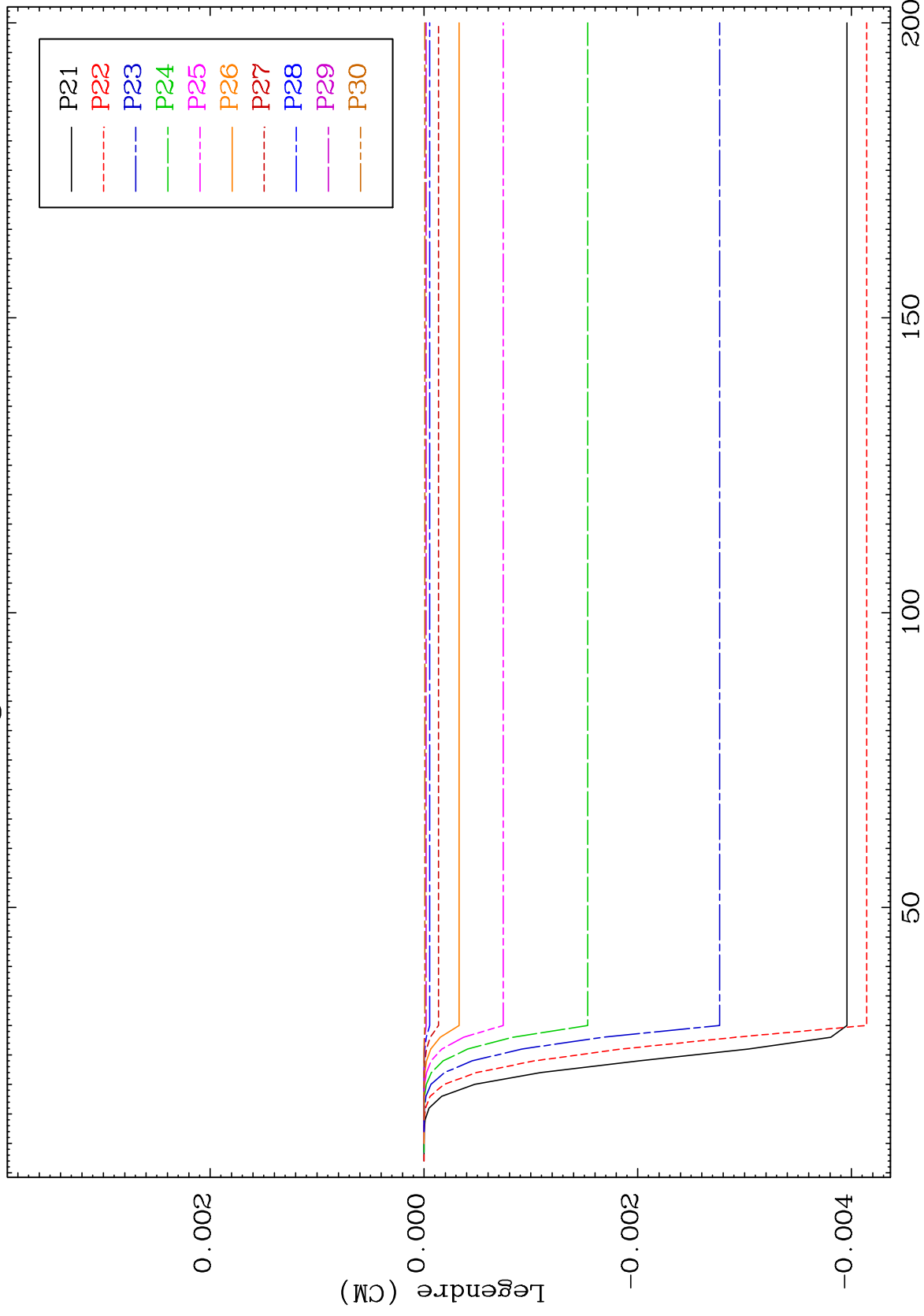
Incident Energy (MeV)

87-Fr-204

MAT 8701

361.5 keV (n,n') Level  
Legendre Coefficients

87-Fr-204



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Incident Energy (MeV)

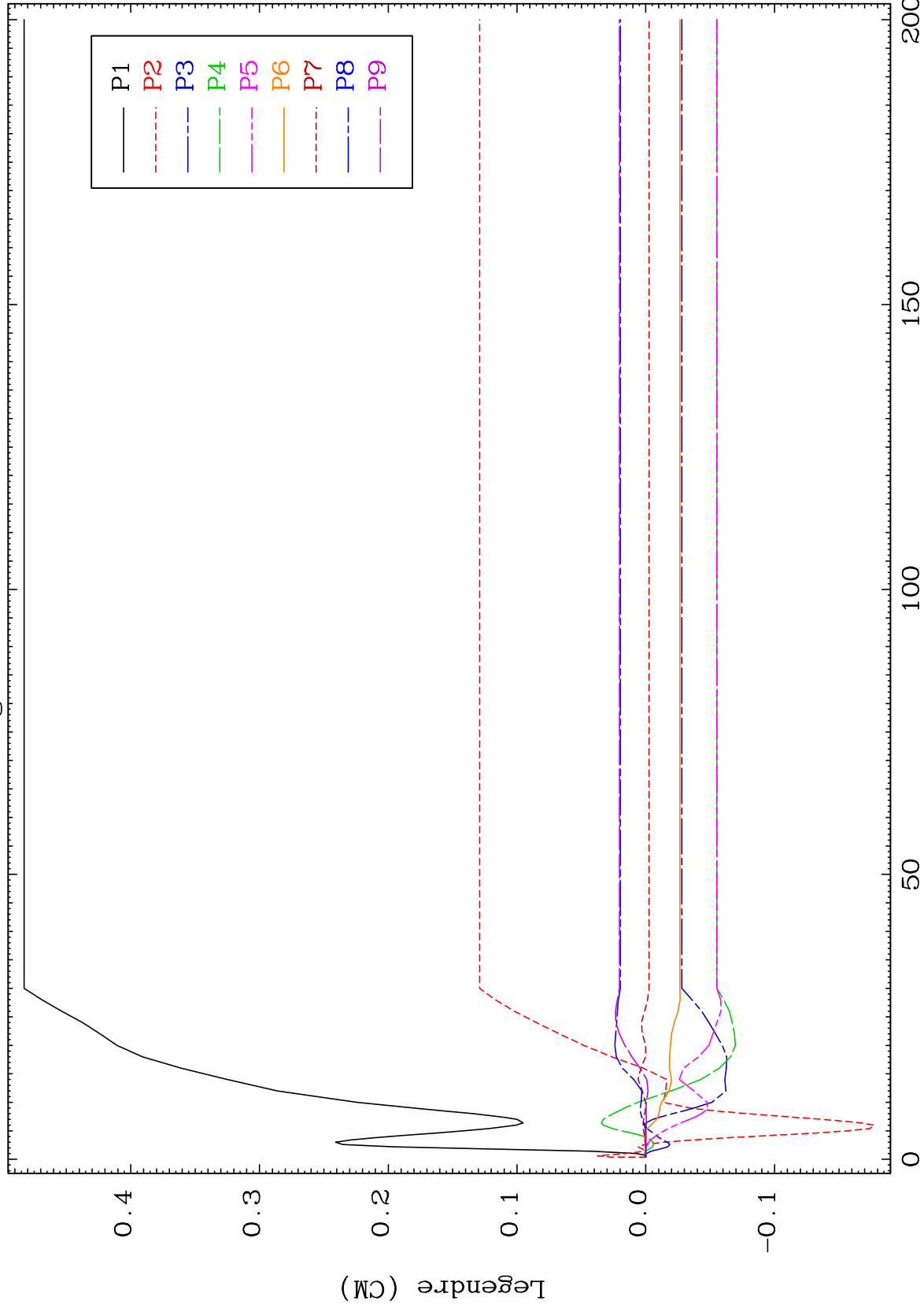
87-Fr-204



MAT 8701

367.9 keV (n,n') Level  
Legendre Coefficients

87-Fr-204



31

Incident Energy (MeV)

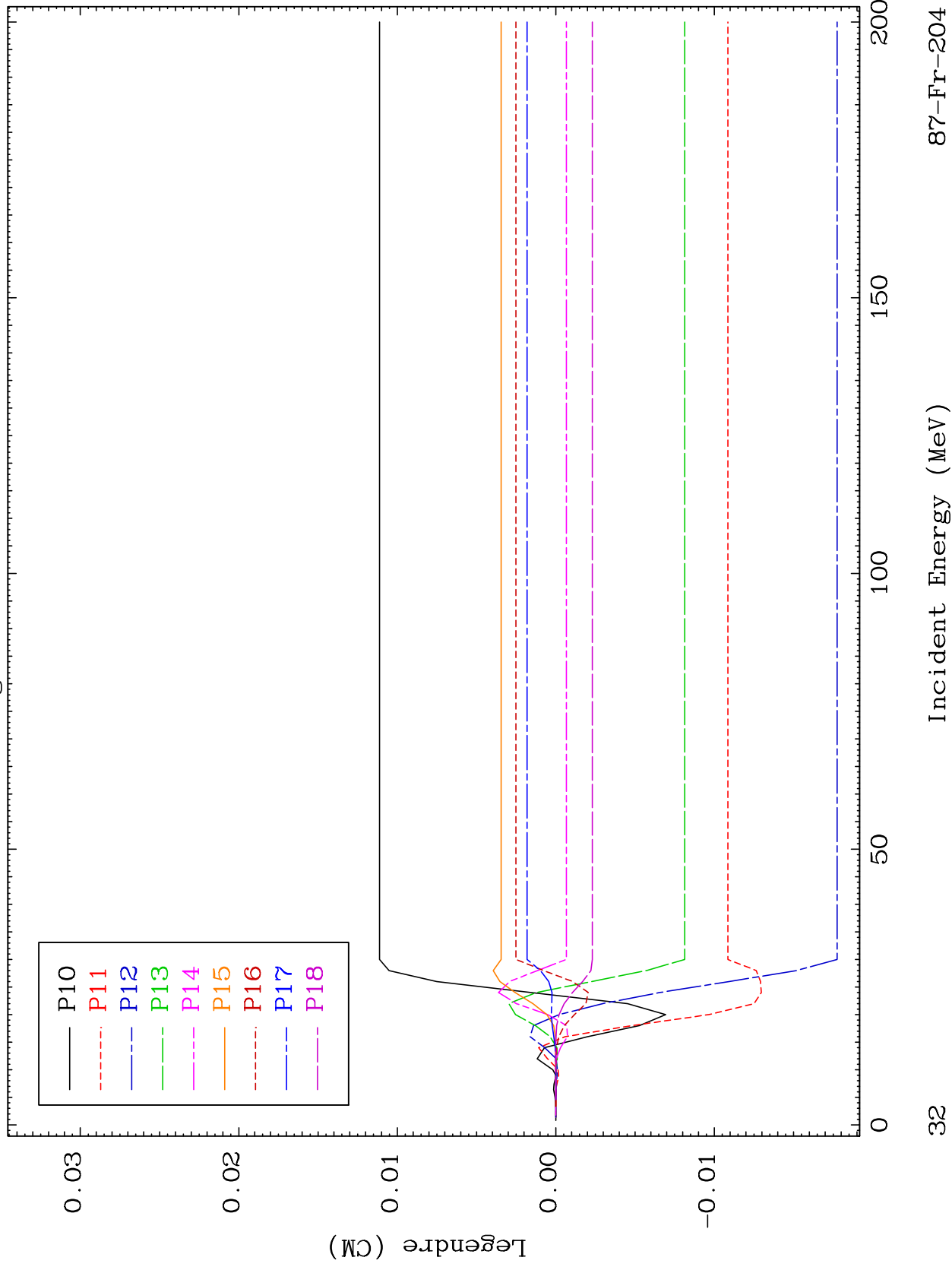
87-Fr-204



MAT 8701

367.9 keV (n,n') Level  
Legendre Coefficients

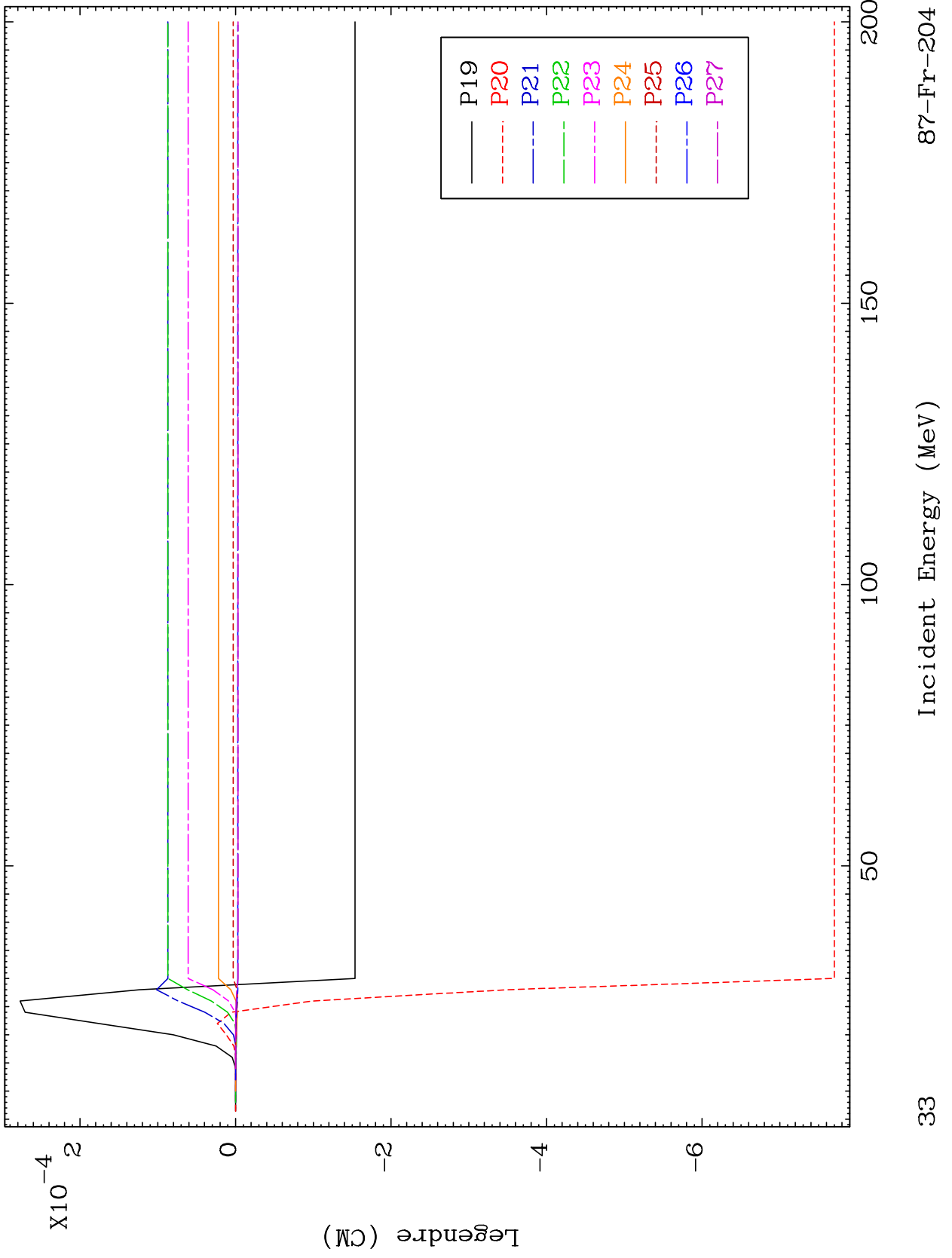
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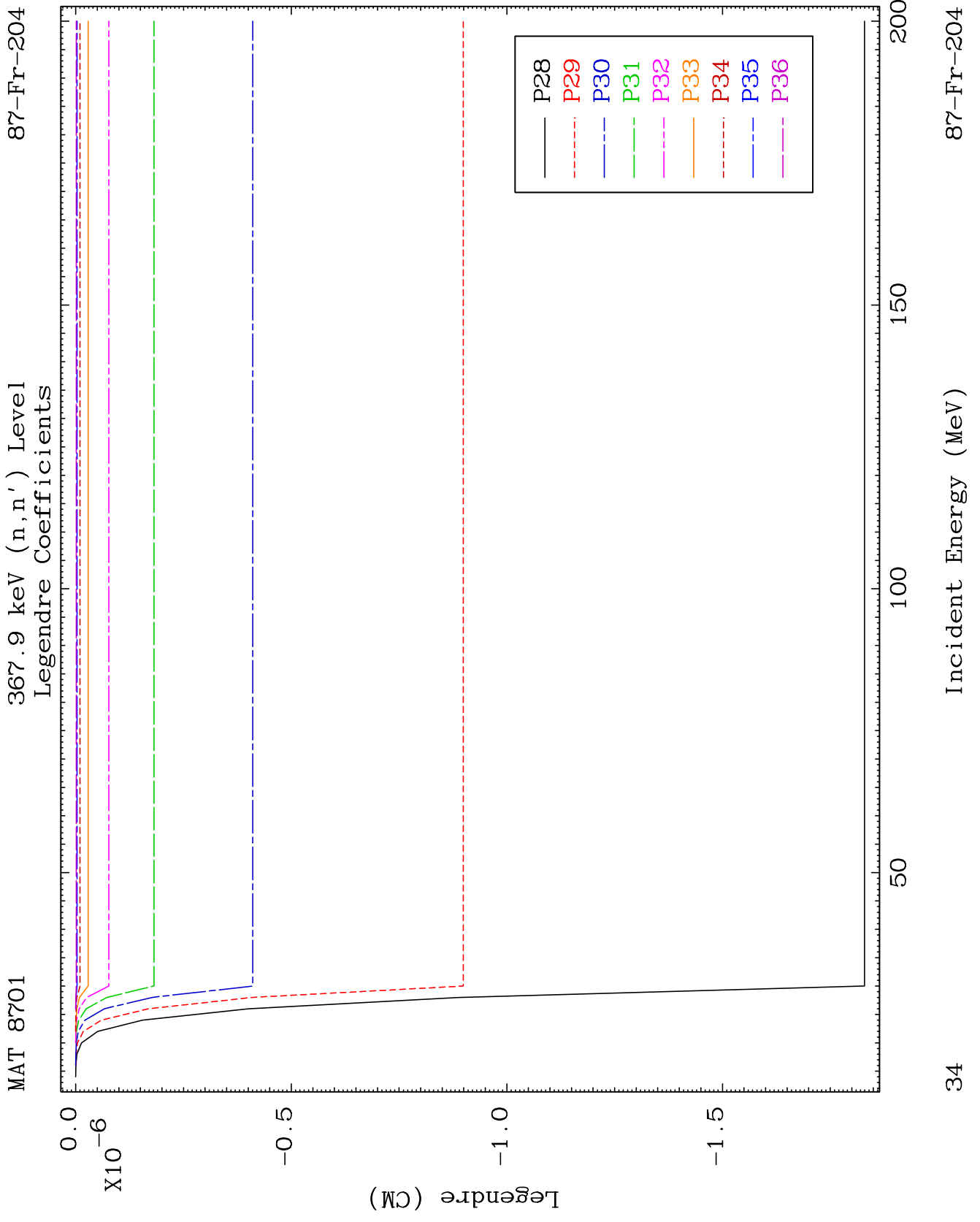


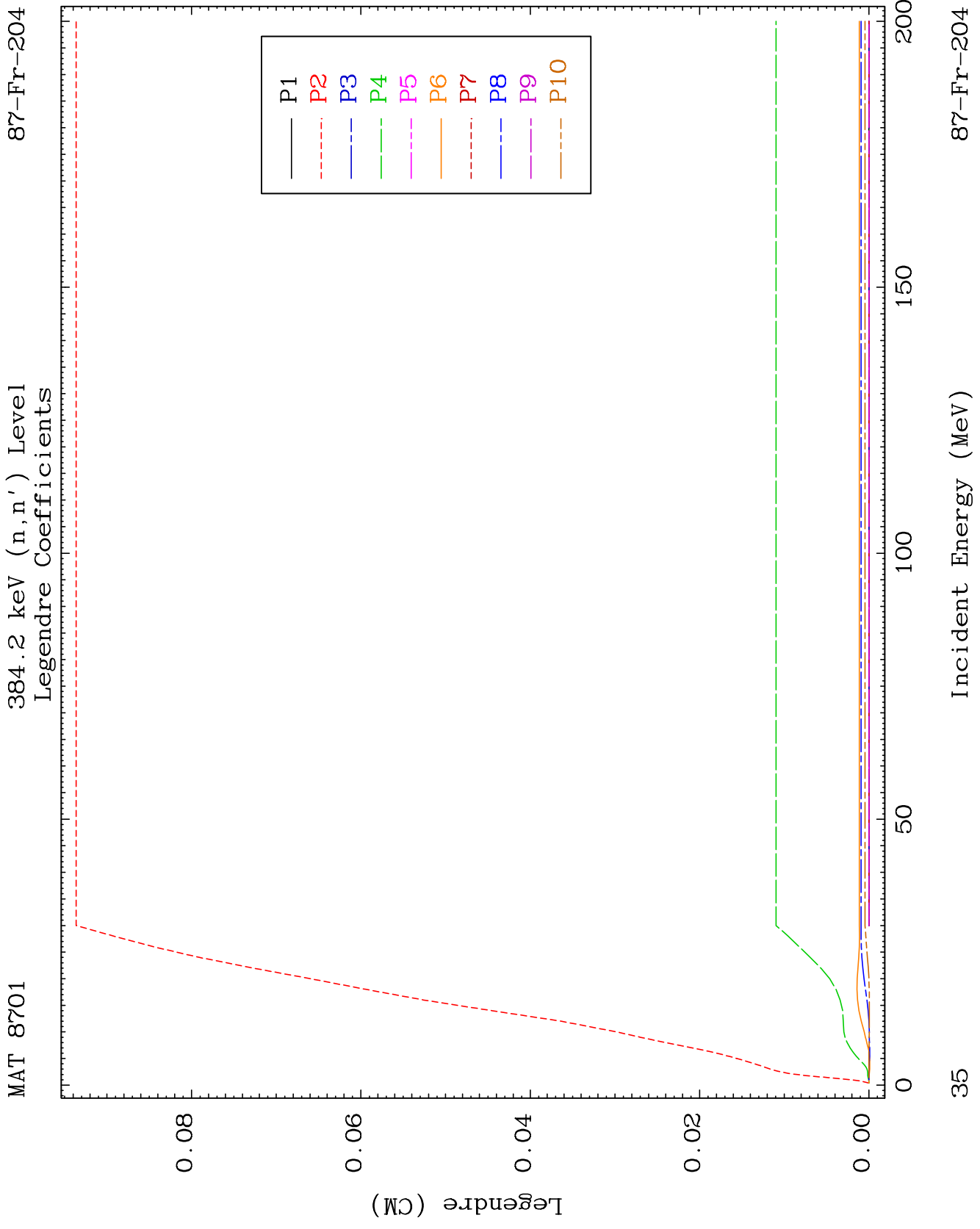
87-Fr-204

Incident Energy (MeV)

32



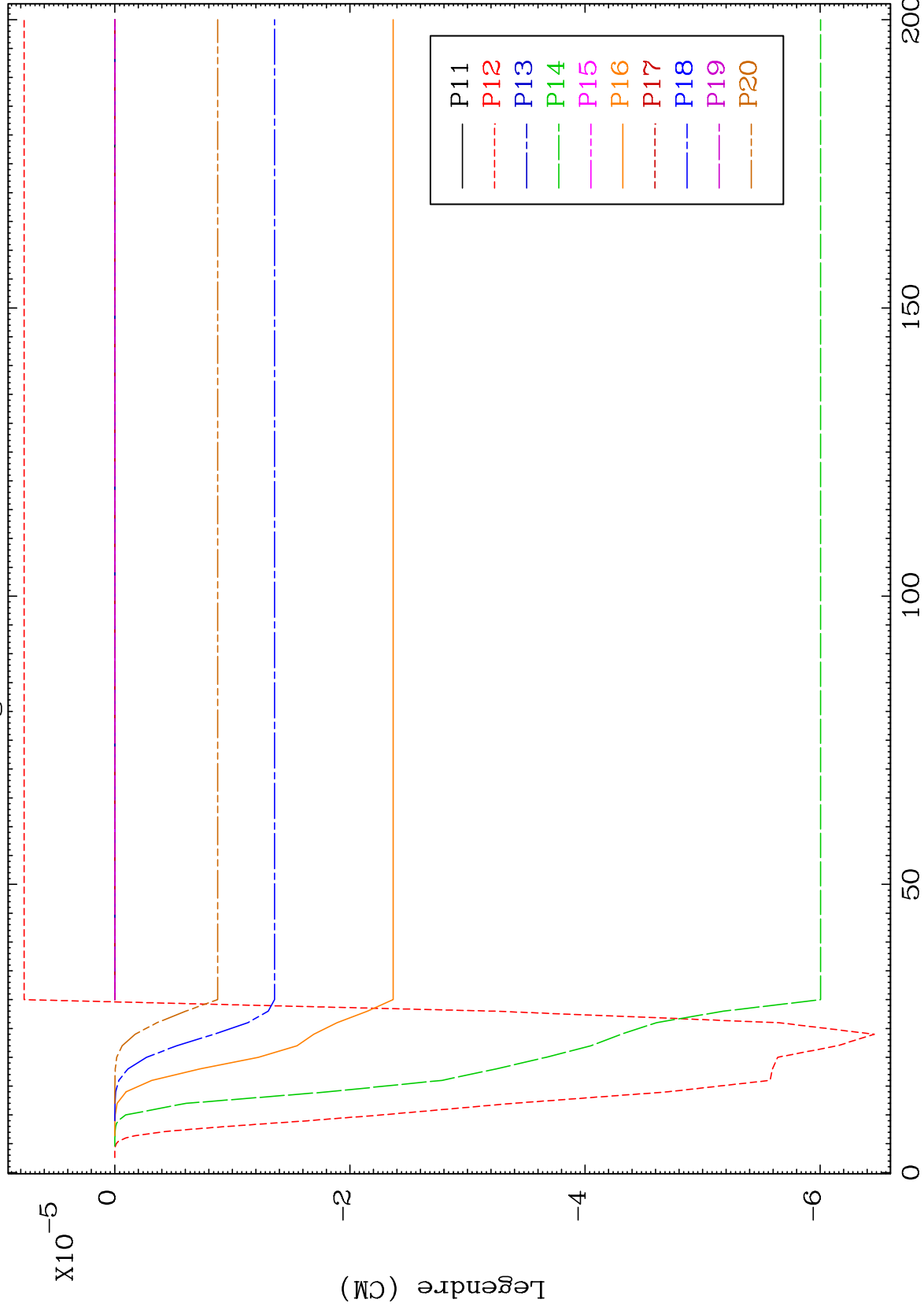




MAT 8701

384.2 keV (n,n') Level  
Legendre Coefficients

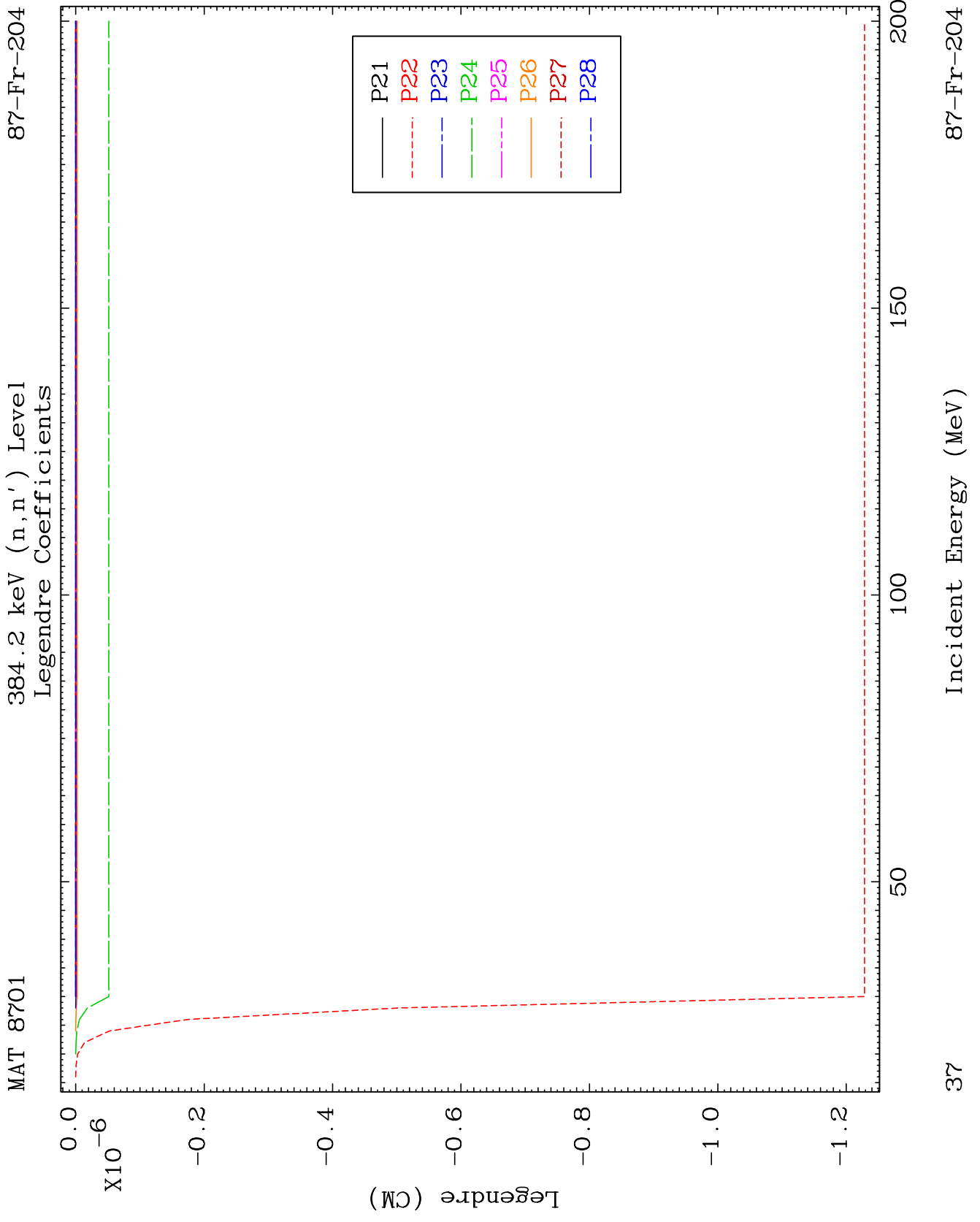
87-Fr-204



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Incident Energy (MeV)

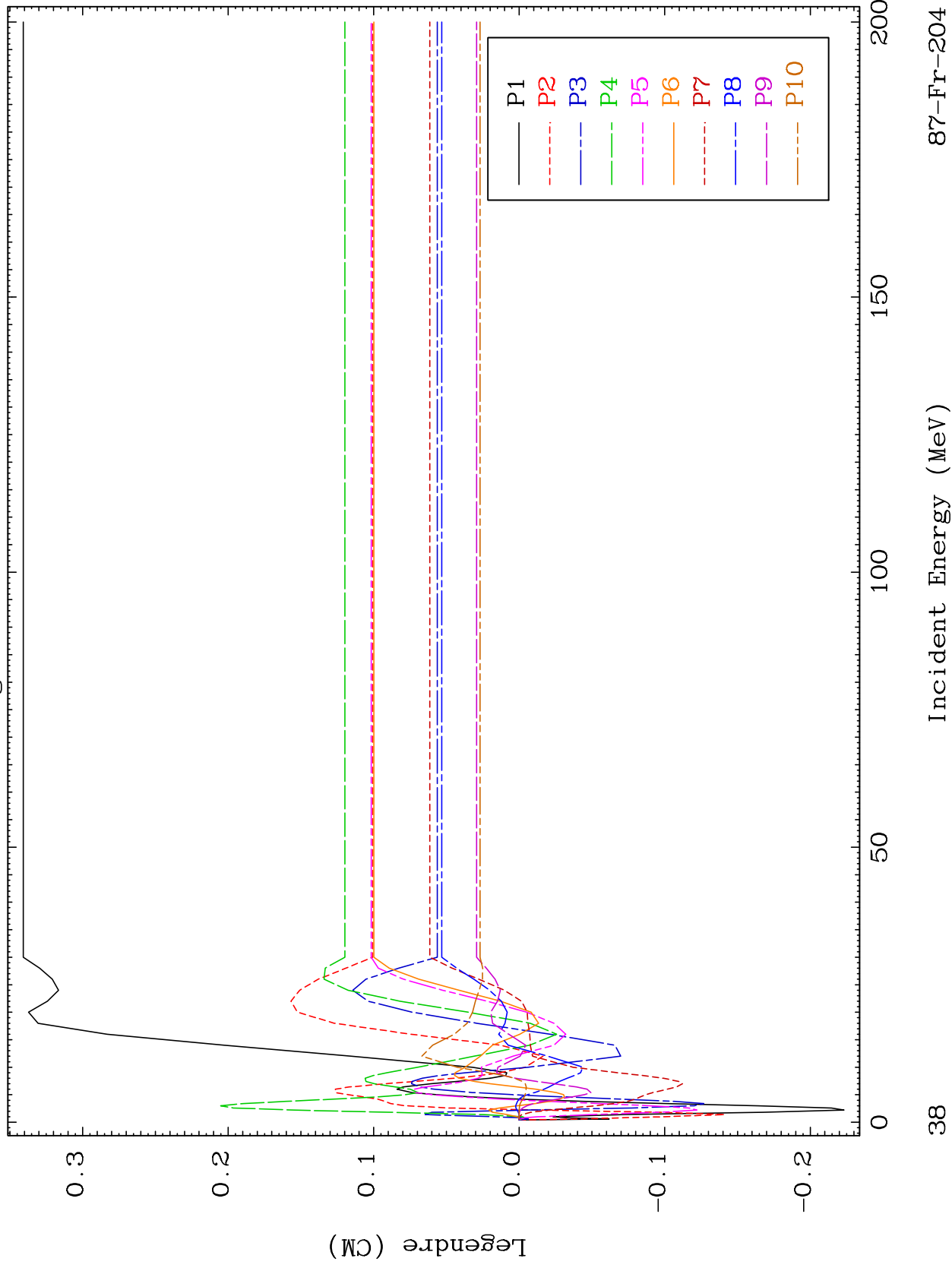
87-Fr-204



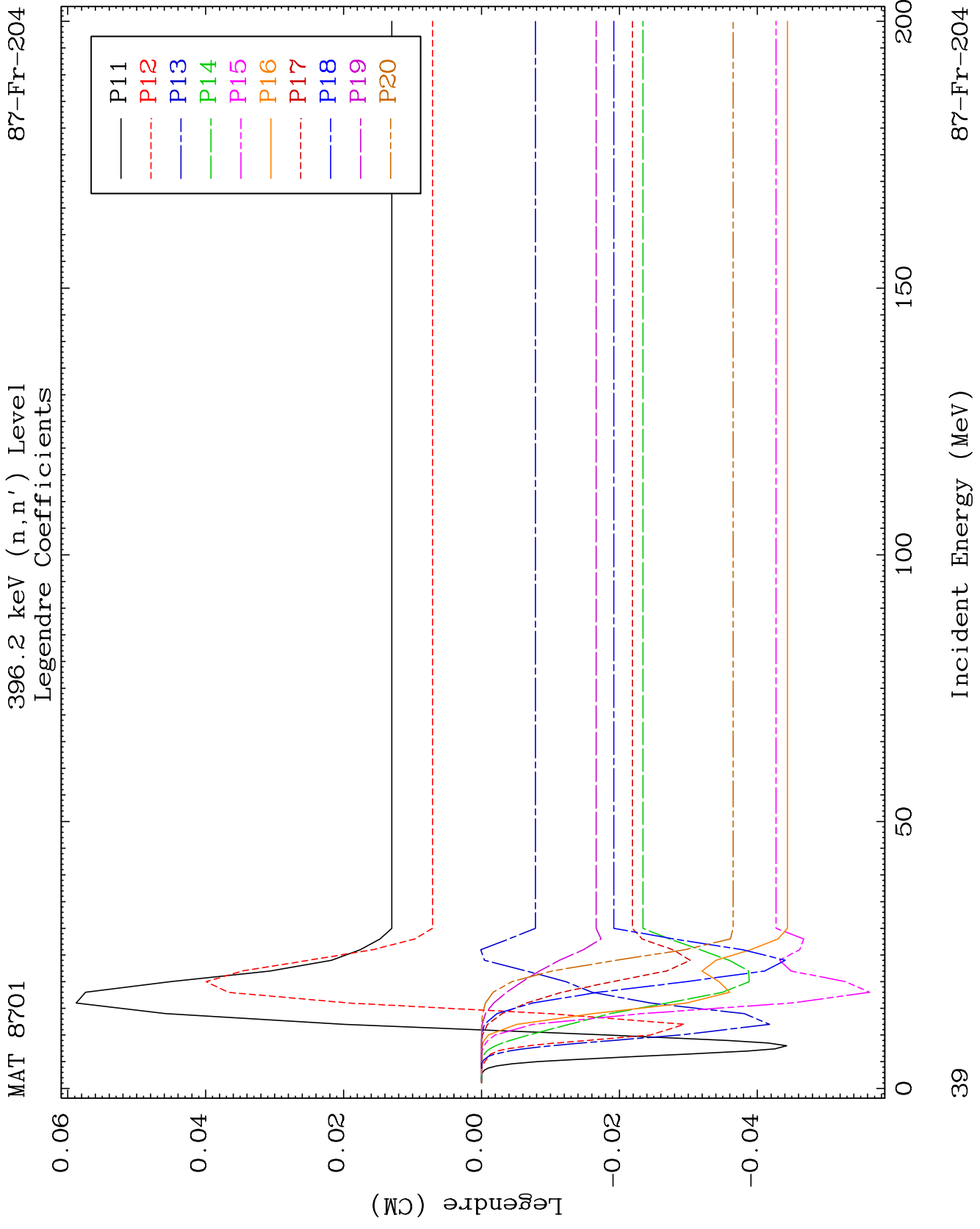
MAT 8701

396.2 keV (n,n') Level  
Legendre Coefficients

87-Fr-204



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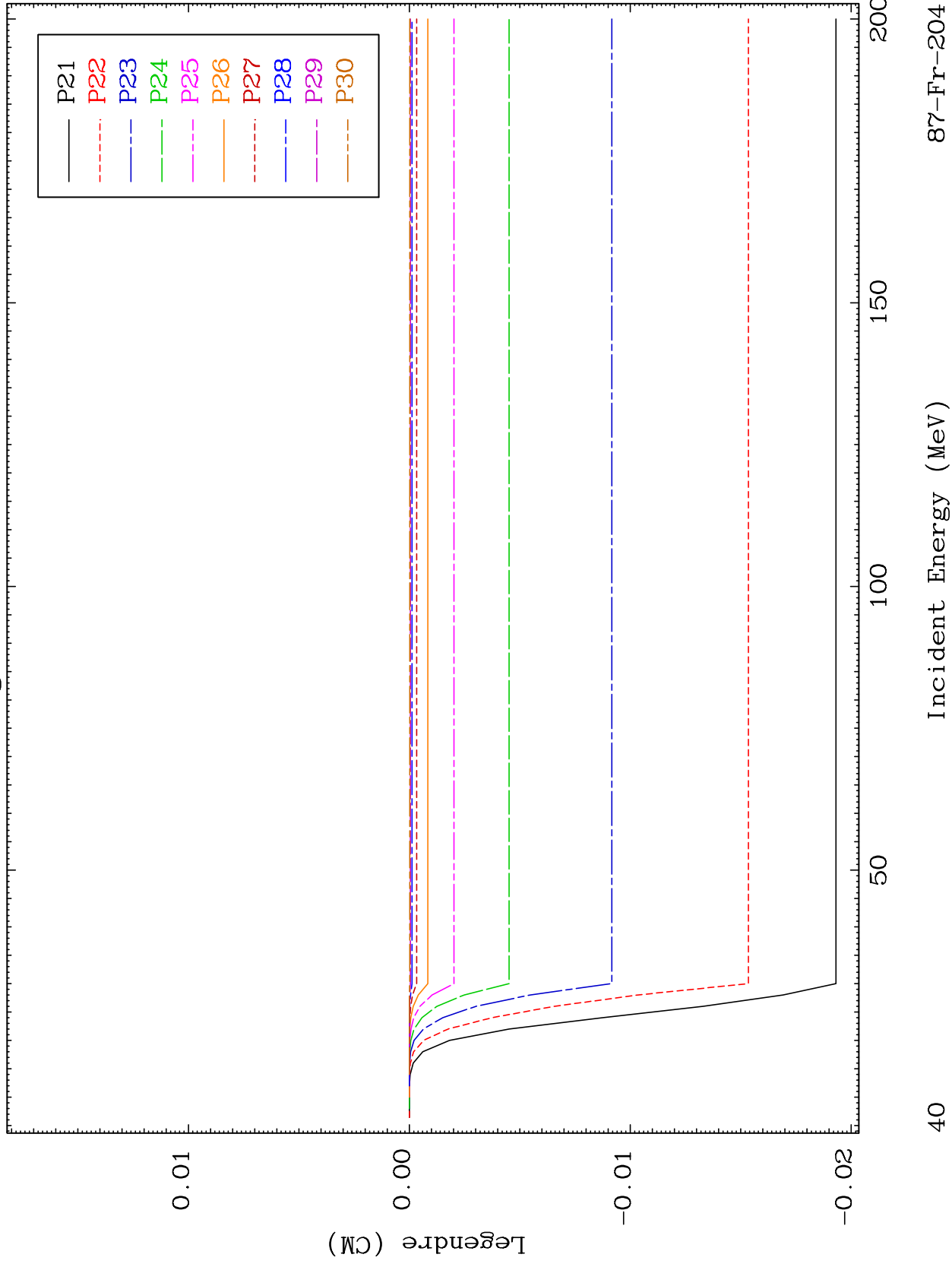


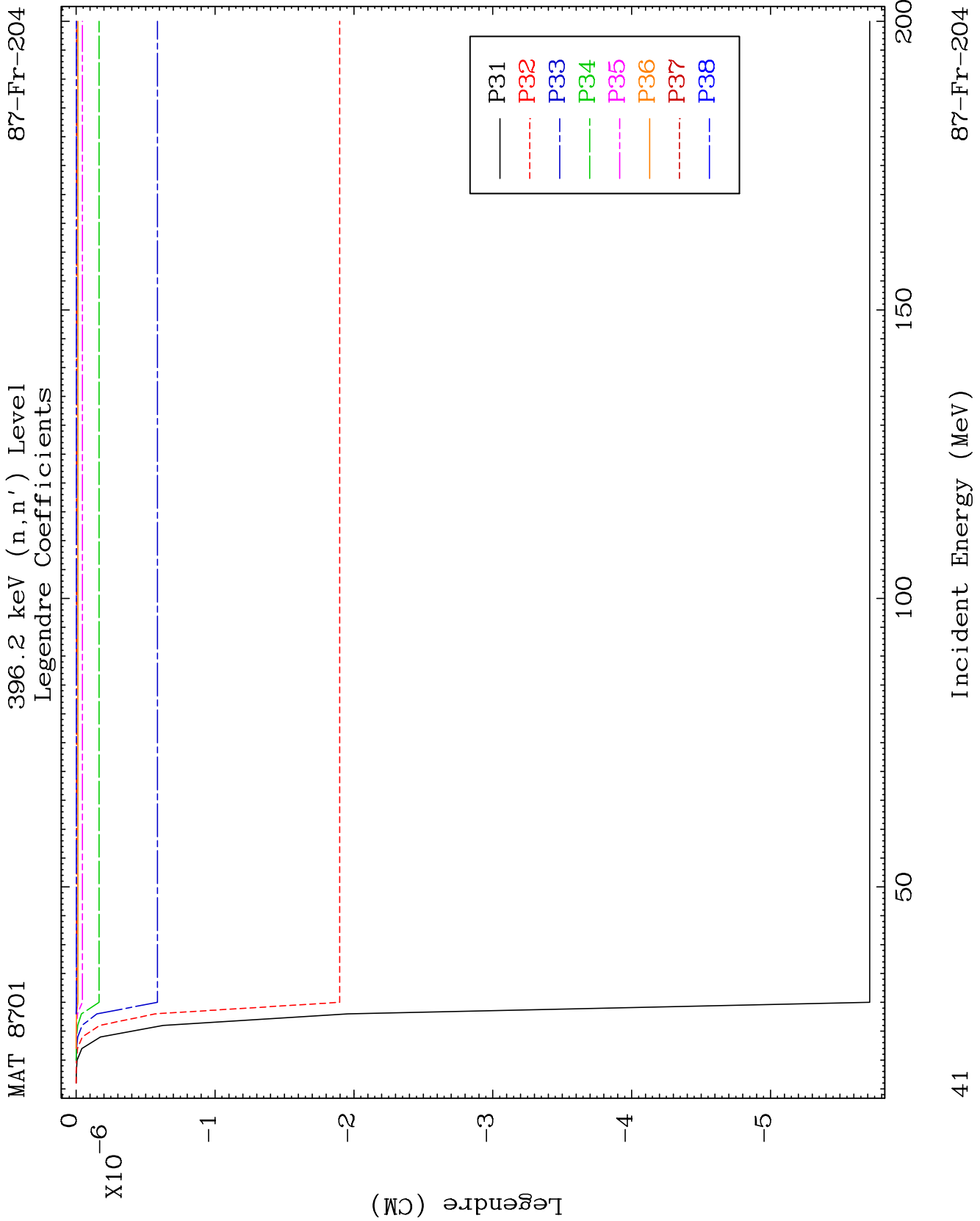


MAT 8701

396.2 keV (n,n') Level  
Legendre Coefficients

87-Fr-204

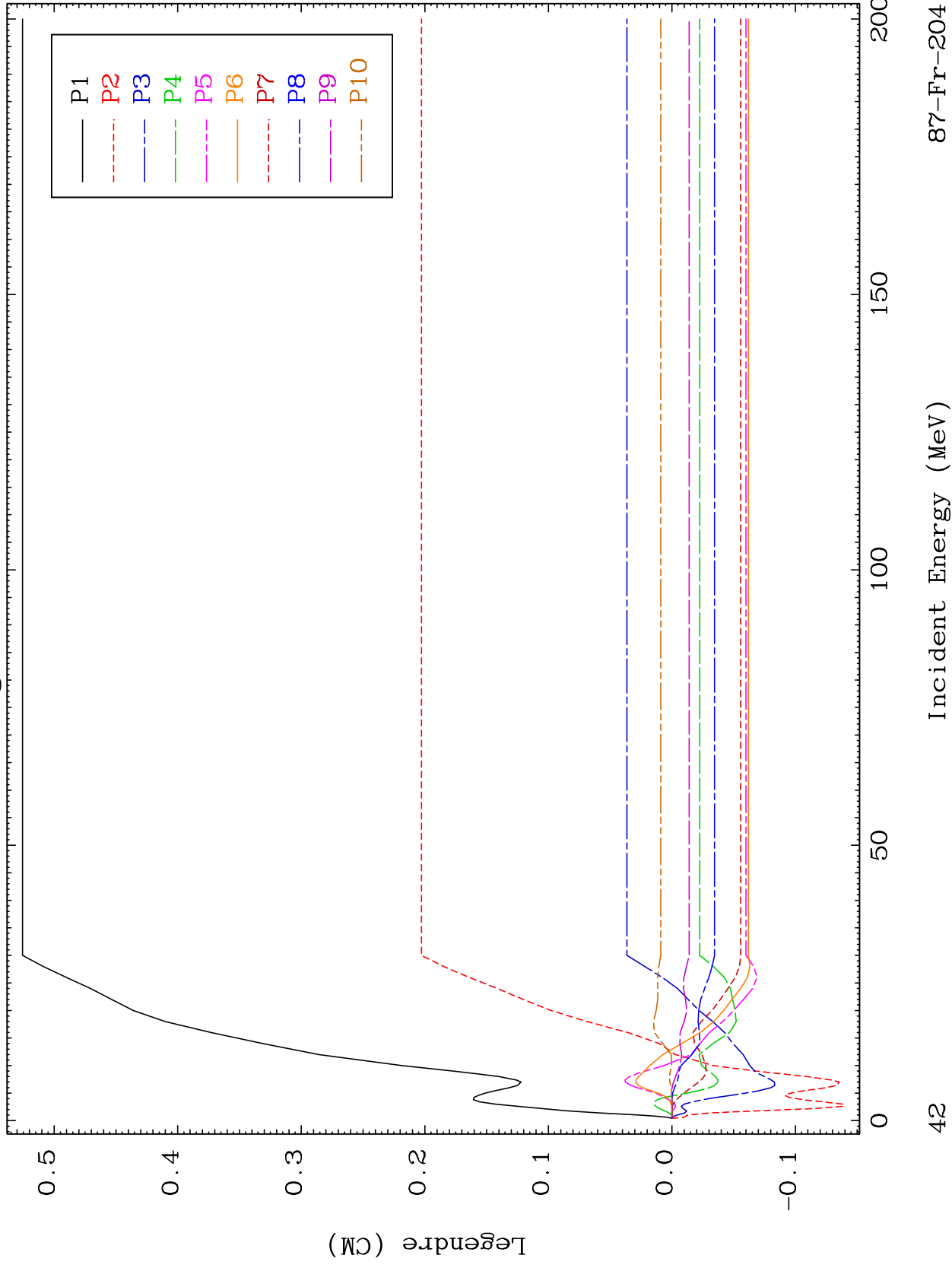




MAT 8701

407.2 keV (n,n') Level  
Legendre Coefficients

87-Fr-204



87-Fr-204

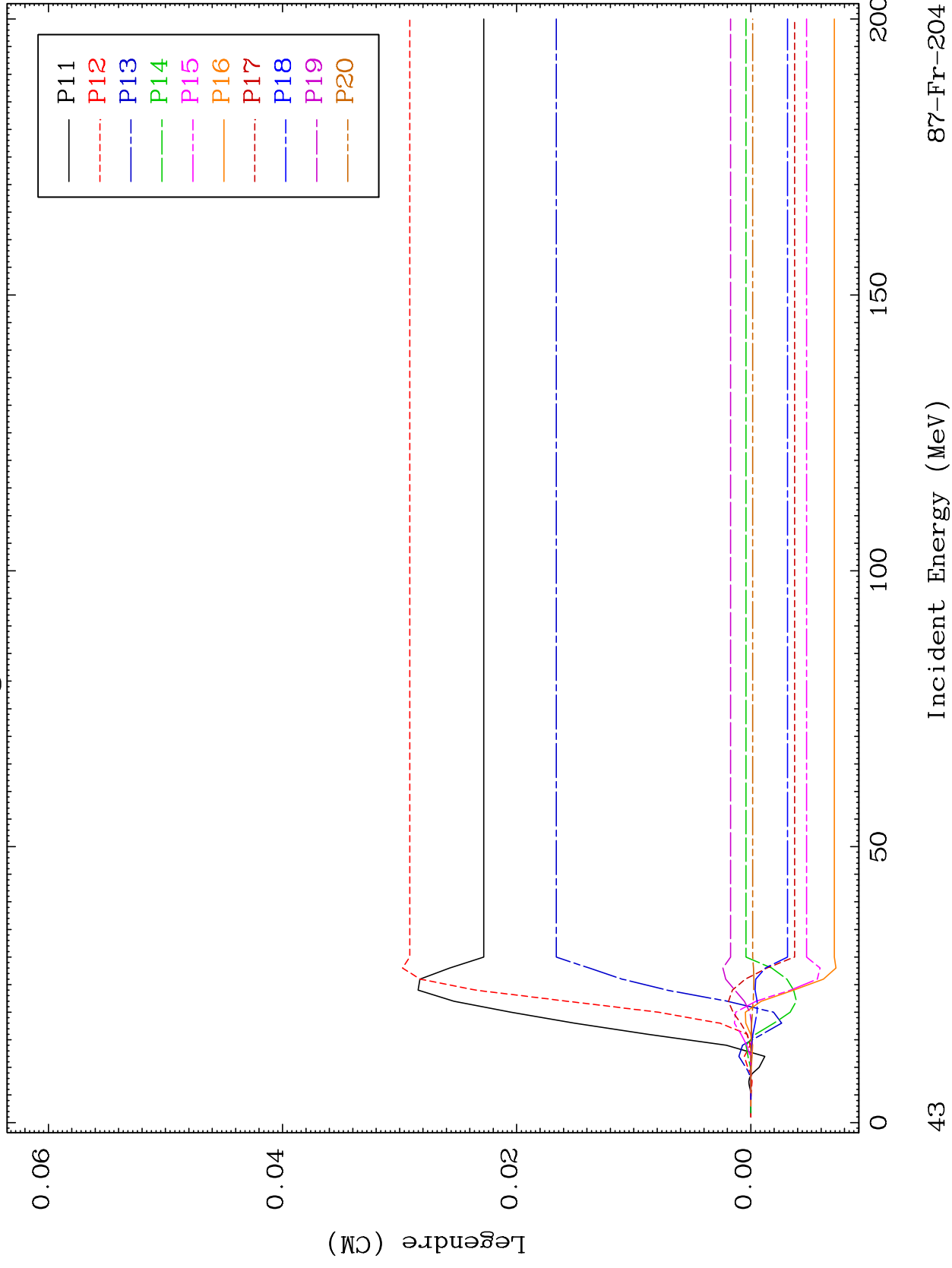
Incident Energy (MeV)

42

MAT 8701

407.2 keV (n,n') Level  
Legendre Coefficients

87-Fr-204



43

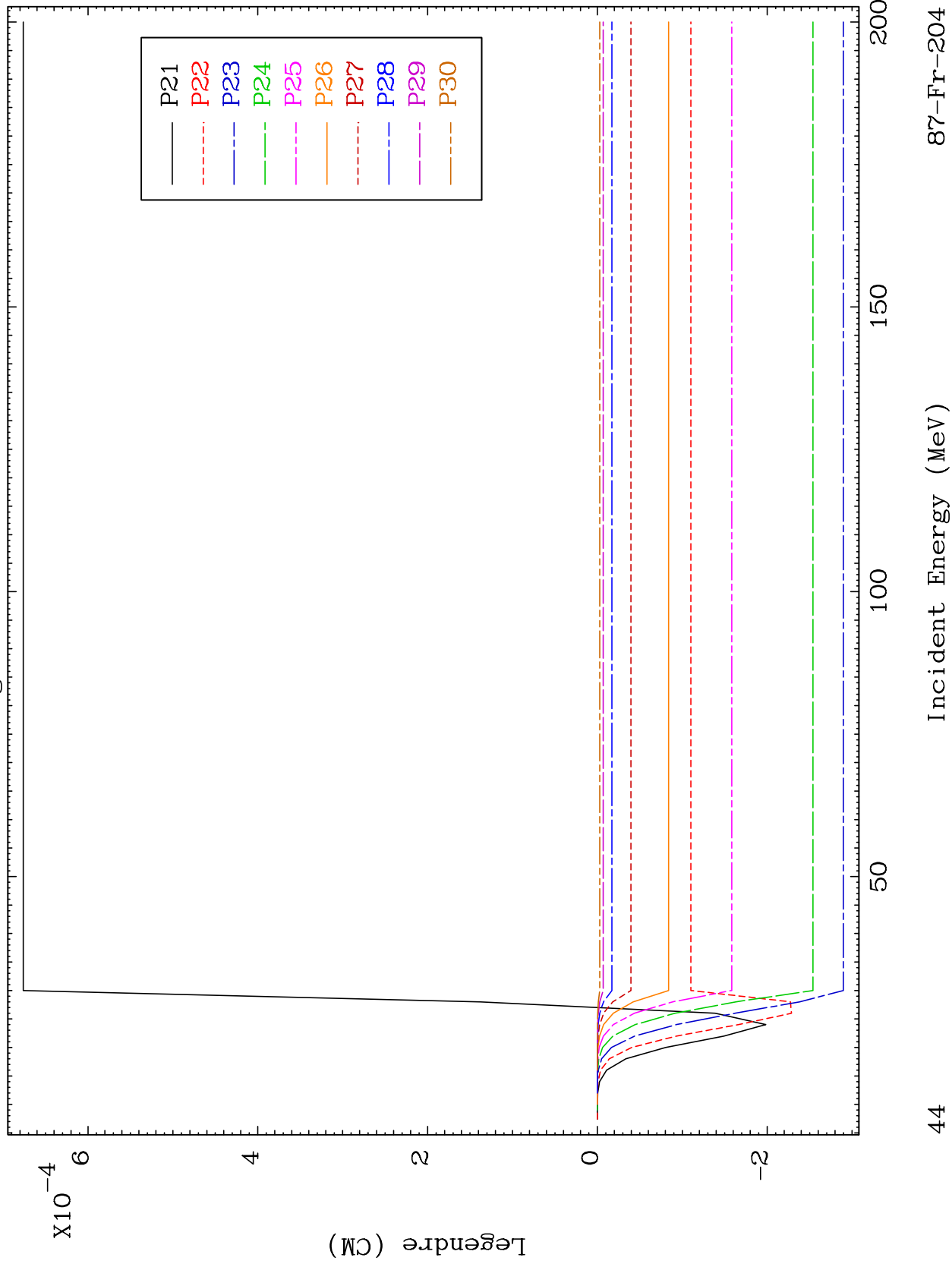
Incident Energy (MeV)

87-Fr-204

MAT 8701

407.2 keV (n,n') Level  
Legendre Coefficients

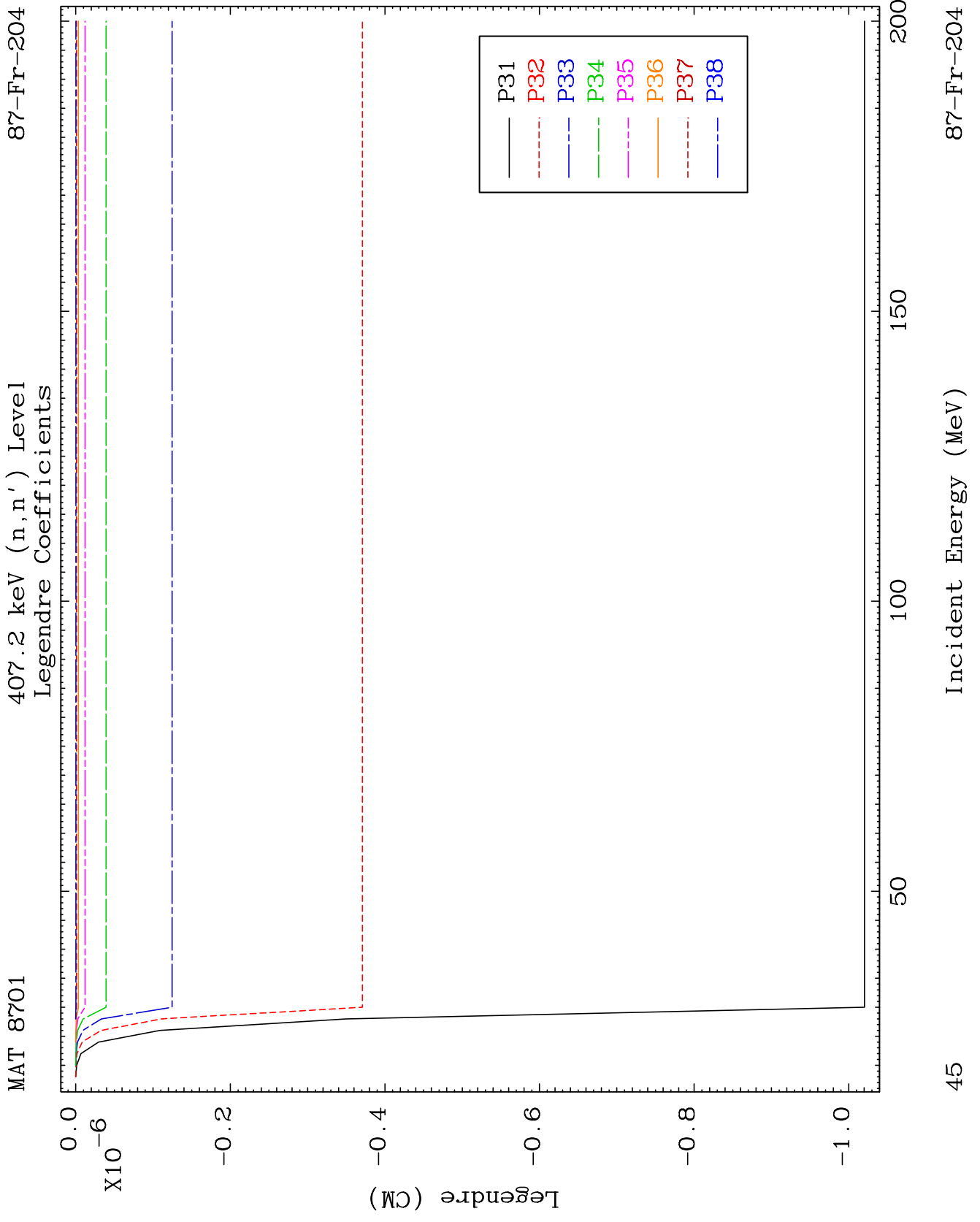
87-Fr-204



44

Incident Energy (MeV)

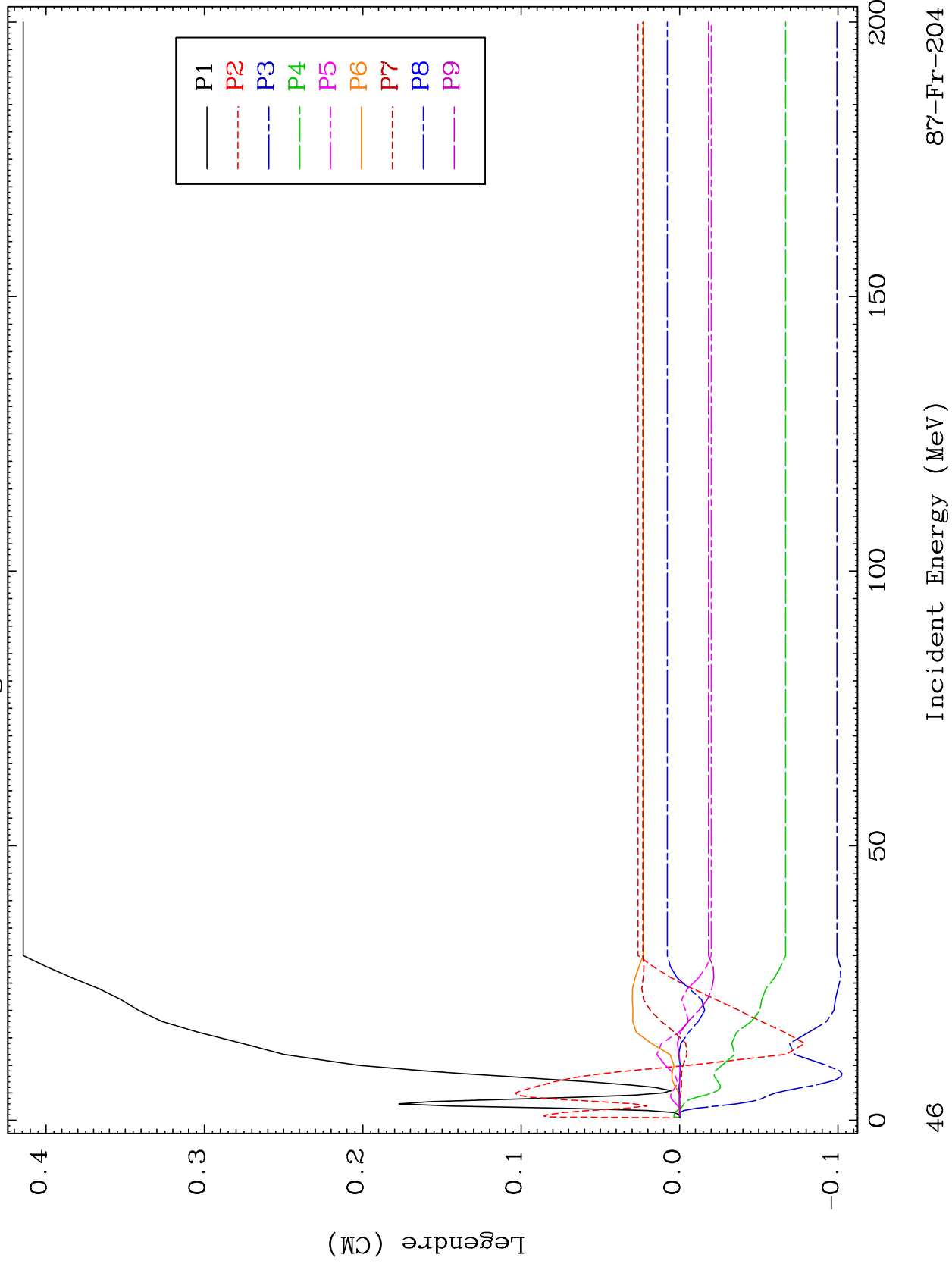
87-Fr-204



MAT 8701

444.1 keV (n,n') Level  
Legendre Coefficients

87-Fr-204



87-Fr-204

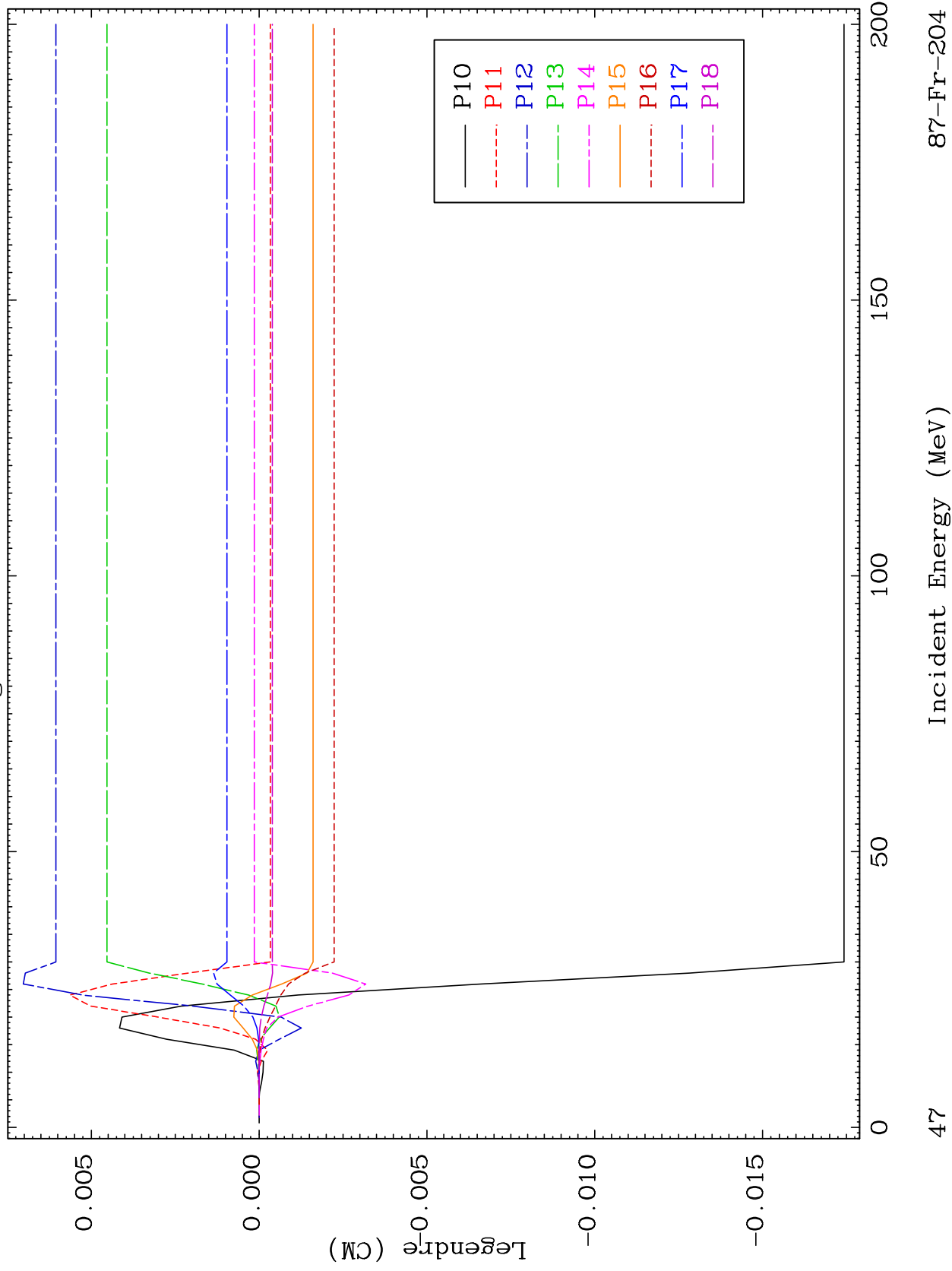
Incident Energy (MeV)

46

MAT 8701

444.1 keV (n,n') Level  
Legendre Coefficients

87-Fr-204



47

Incident Energy (MeV)

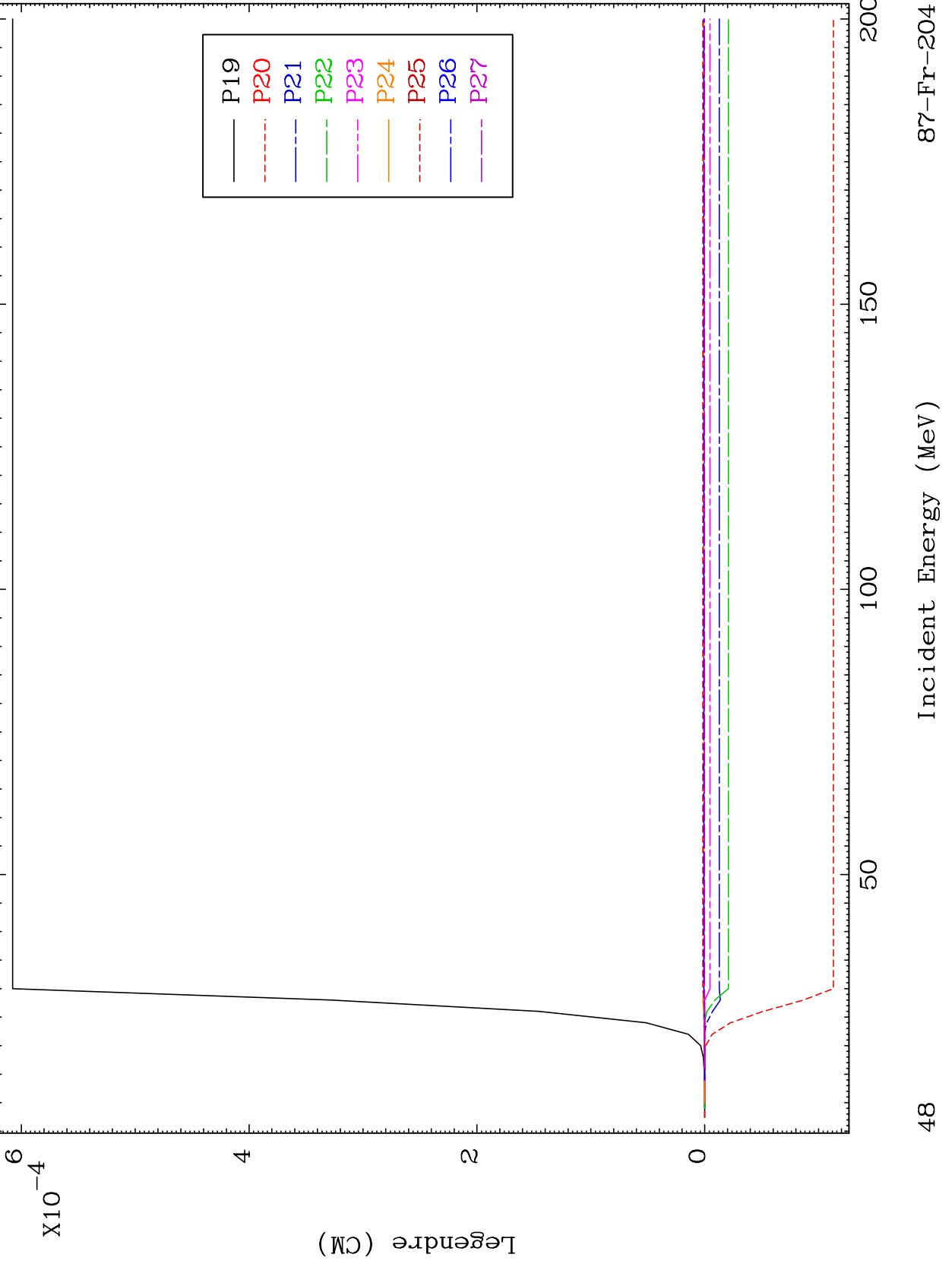
87-Fr-204



MAT 8701

444.1 keV (n, n') Level  
Legendre Coefficients

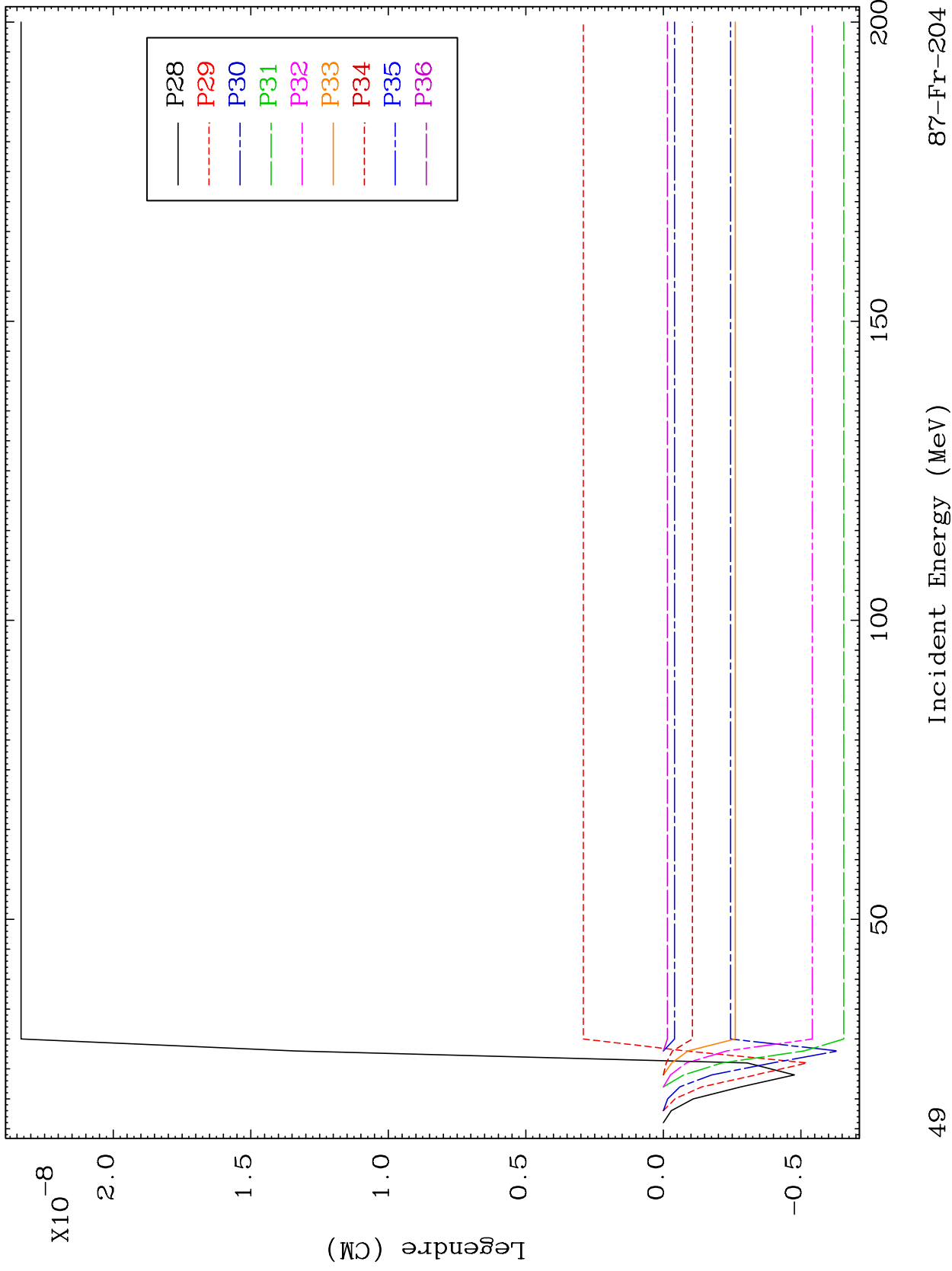
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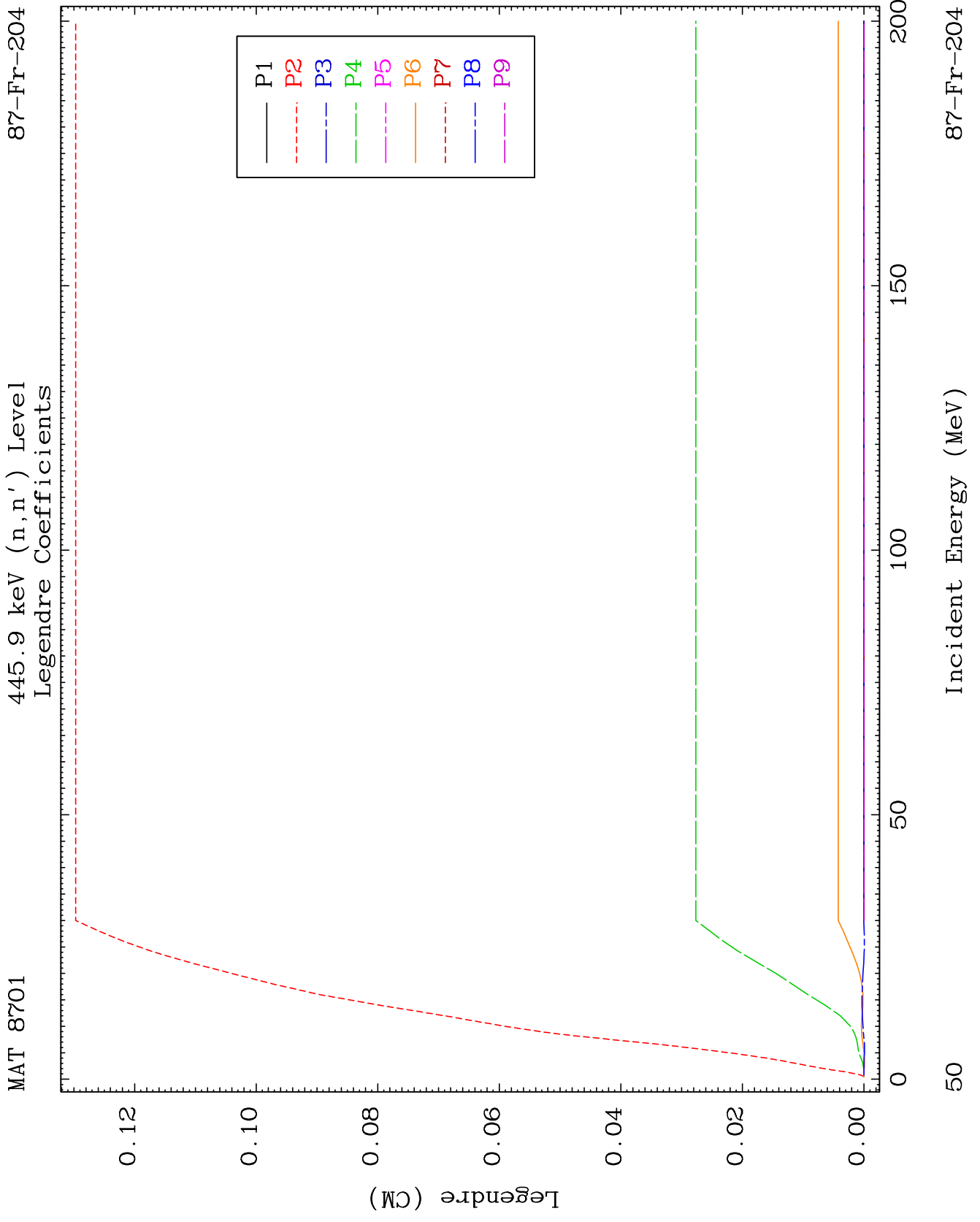


48

Incident Energy (MeV)

87-Fr-204

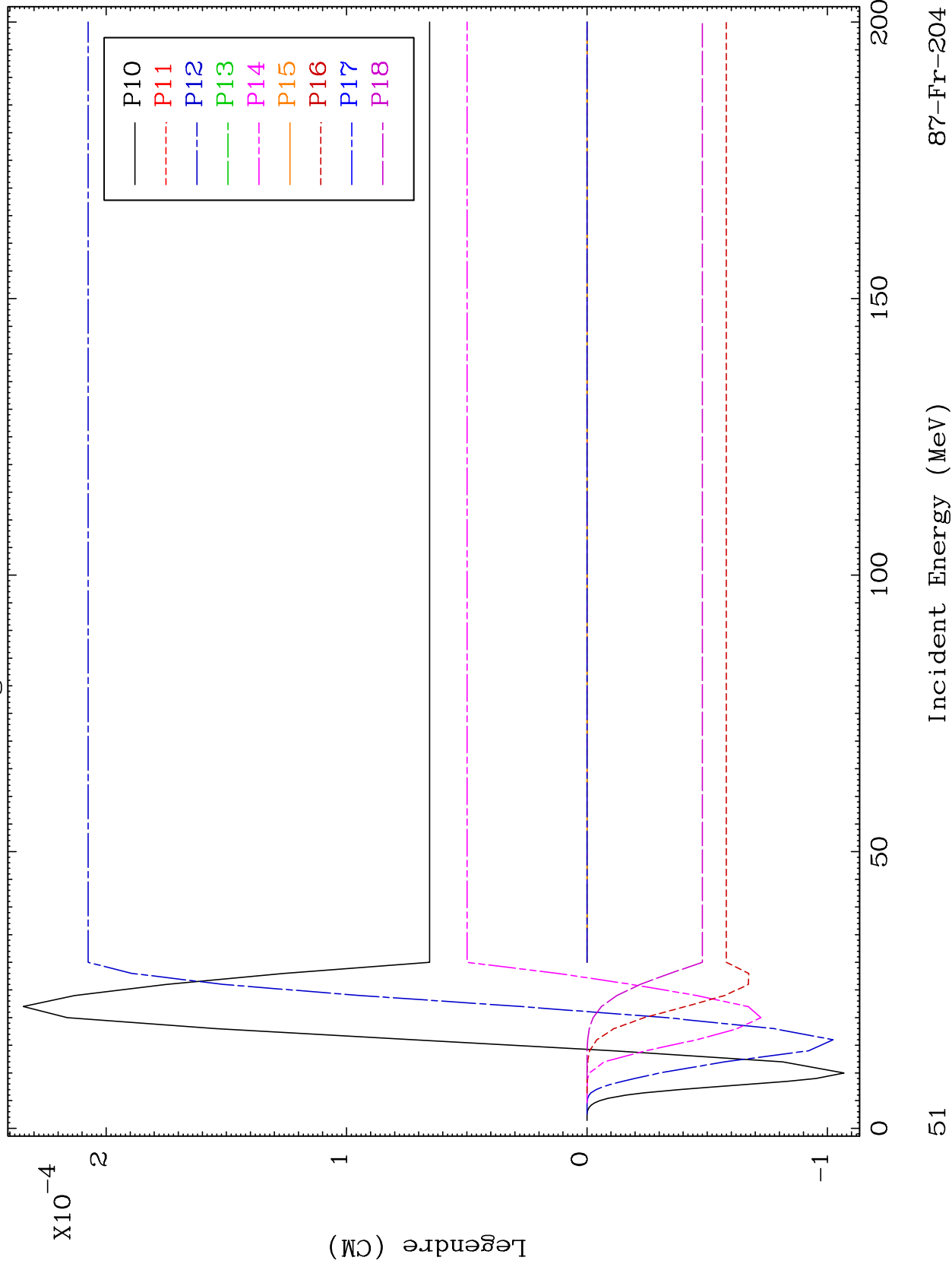




MAT 8701

445.9 keV (n,n') Level  
Legendre Coefficients

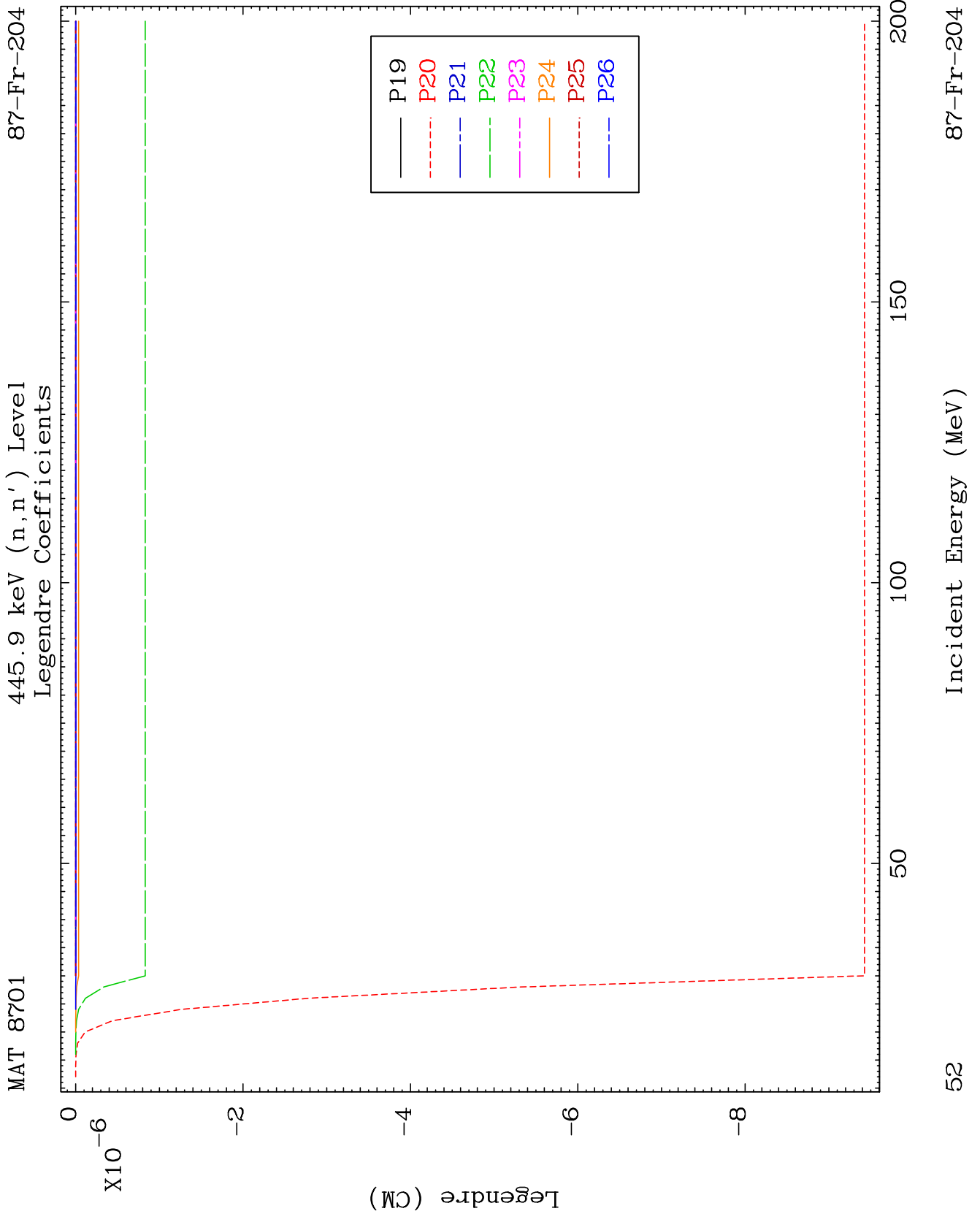
87-Fr-204



51

Incident Energy (MeV)

87-Fr-204

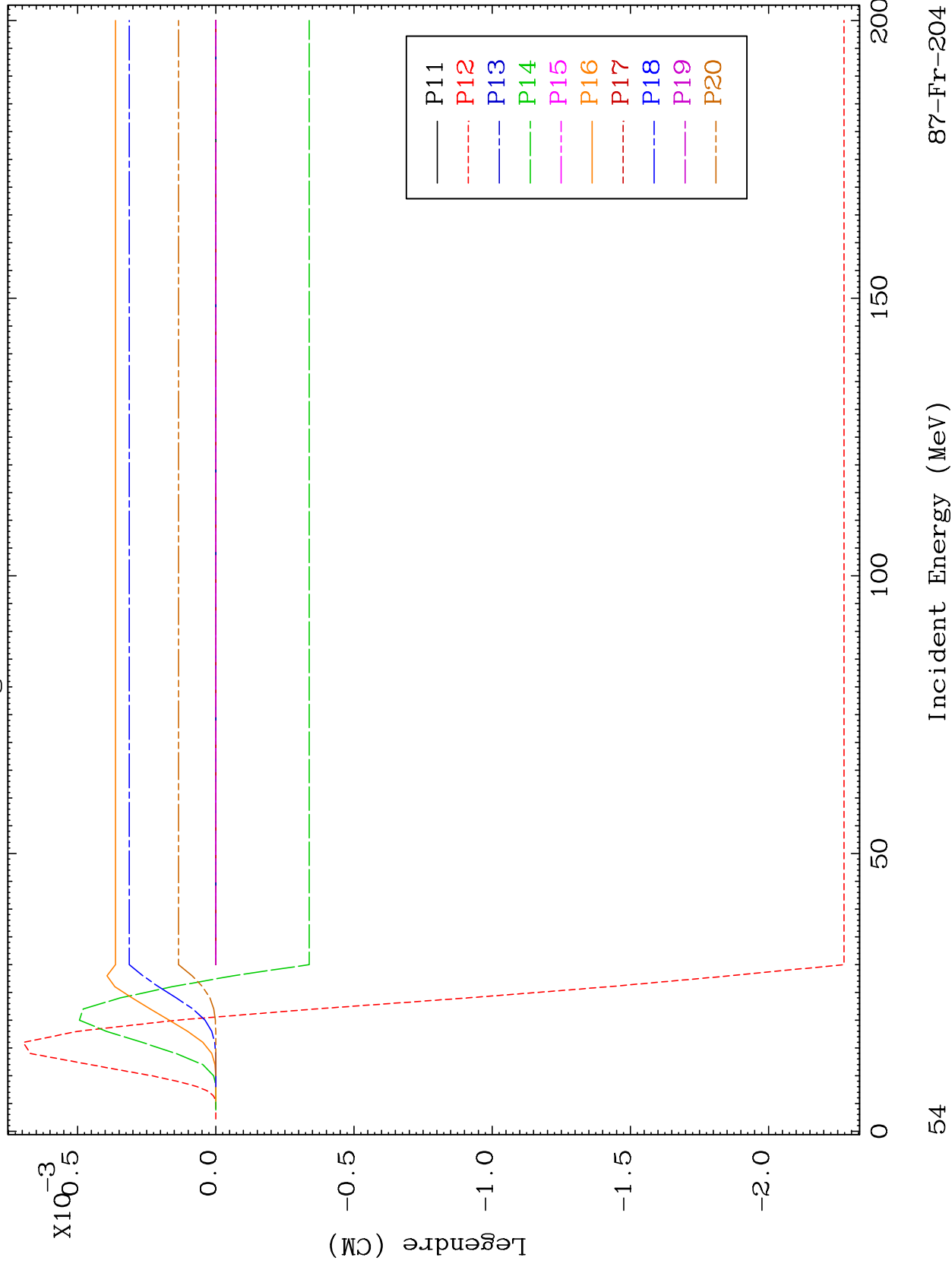




MAT 8701

466.3 keV (n, n') Level  
Legendre Coefficients

87-Fr-204



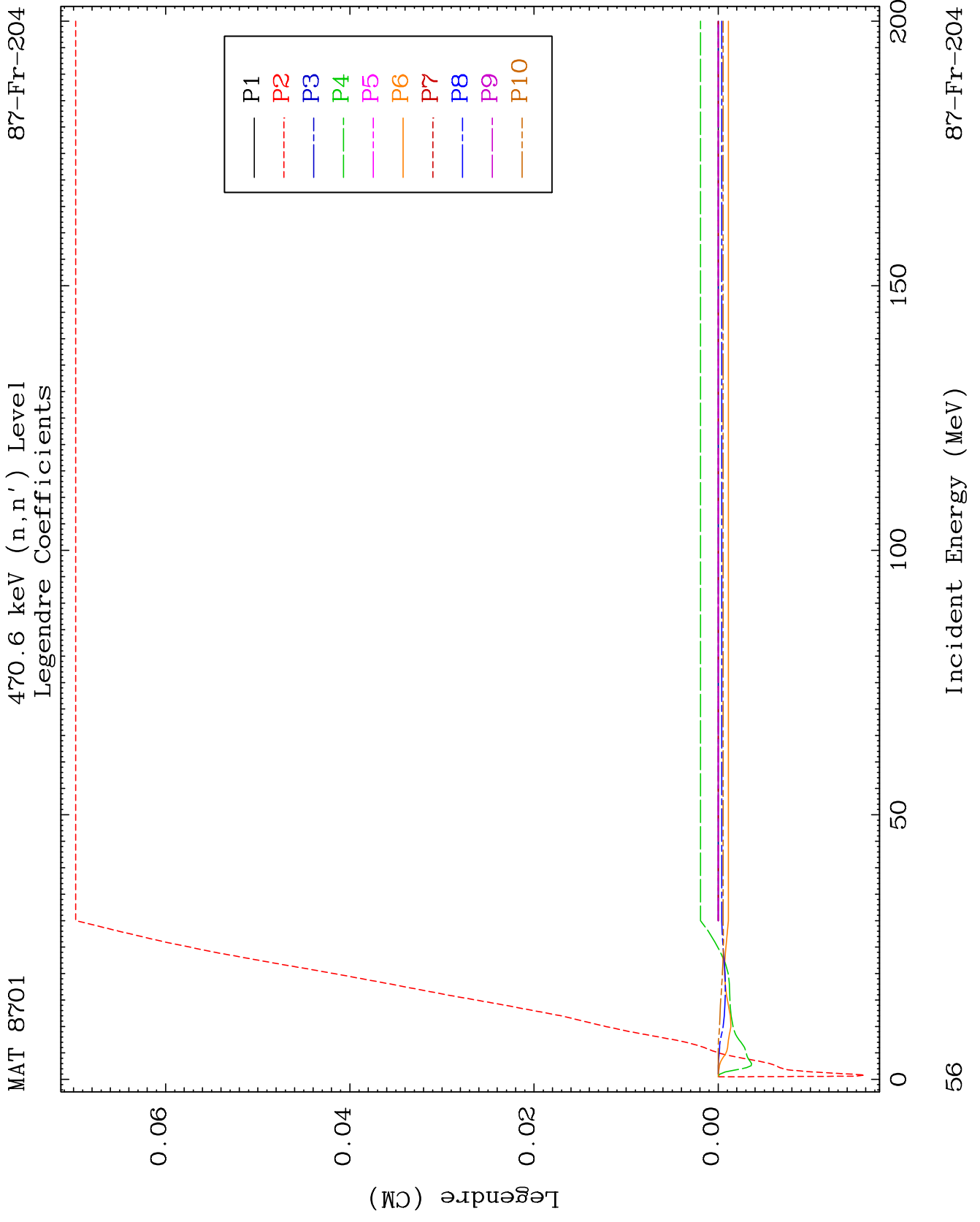
87-Fr-204

Incident Energy (MeV)

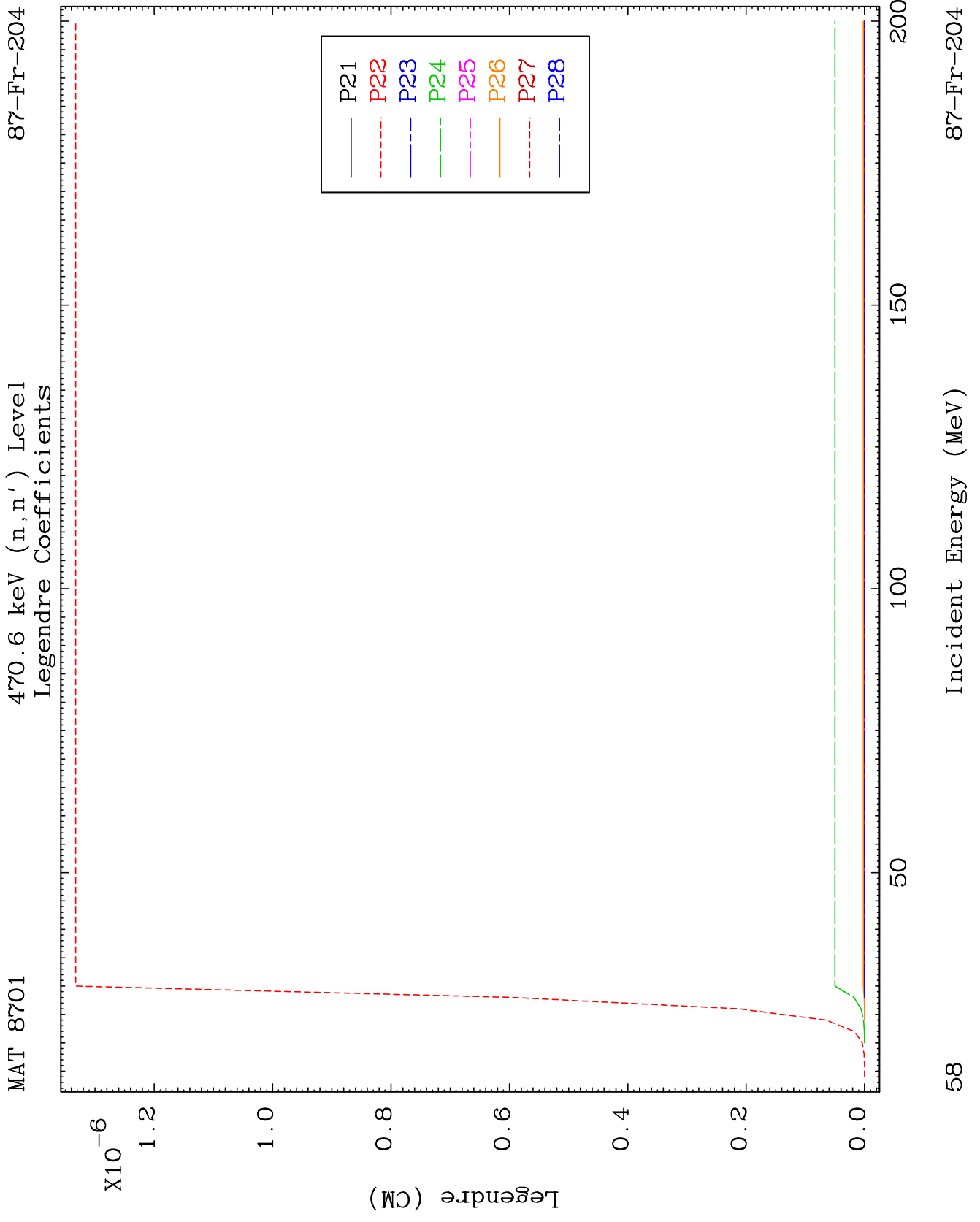
54

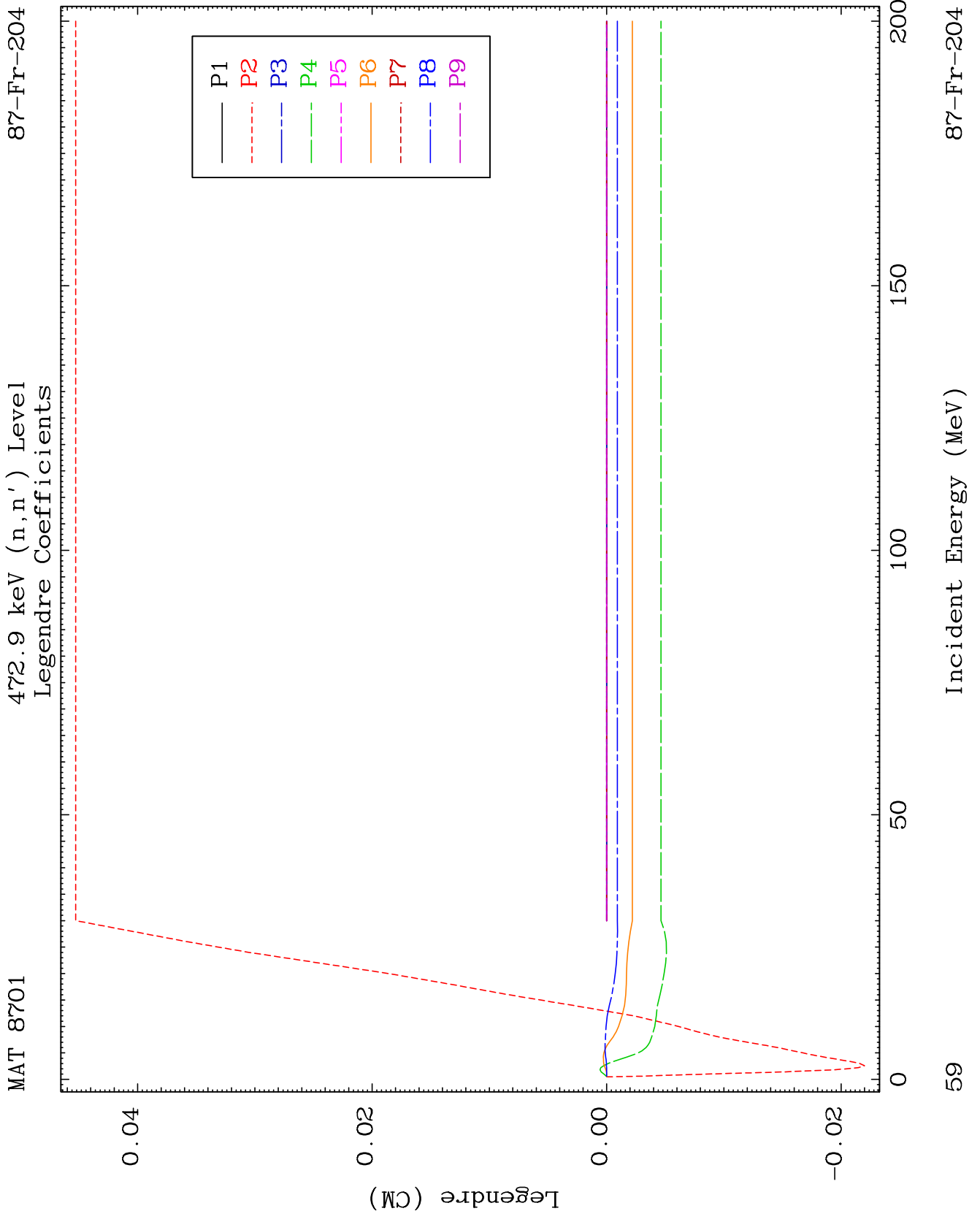








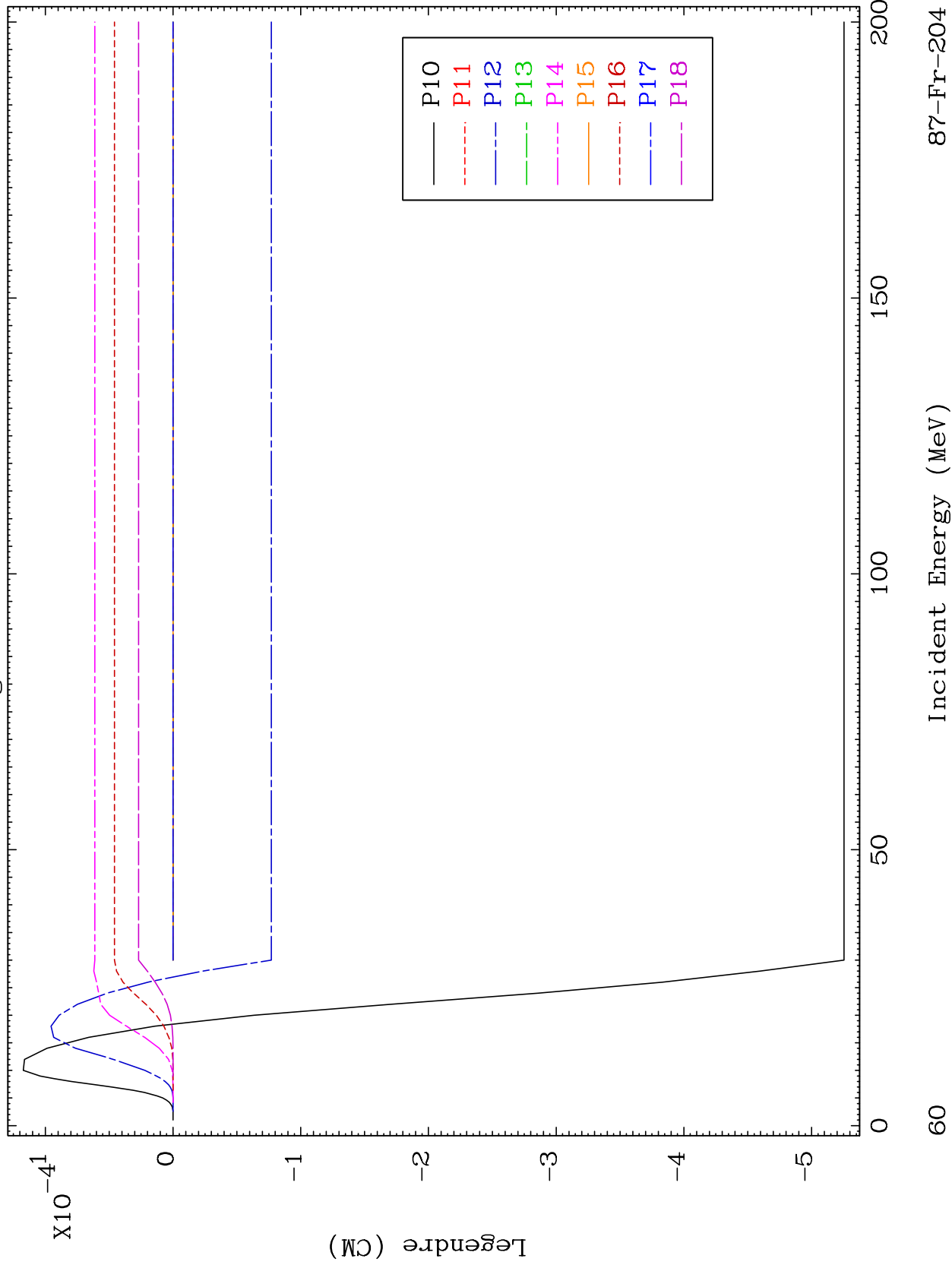




MAT 8701

472.9 keV (n,n') Level  
Legendre Coefficients

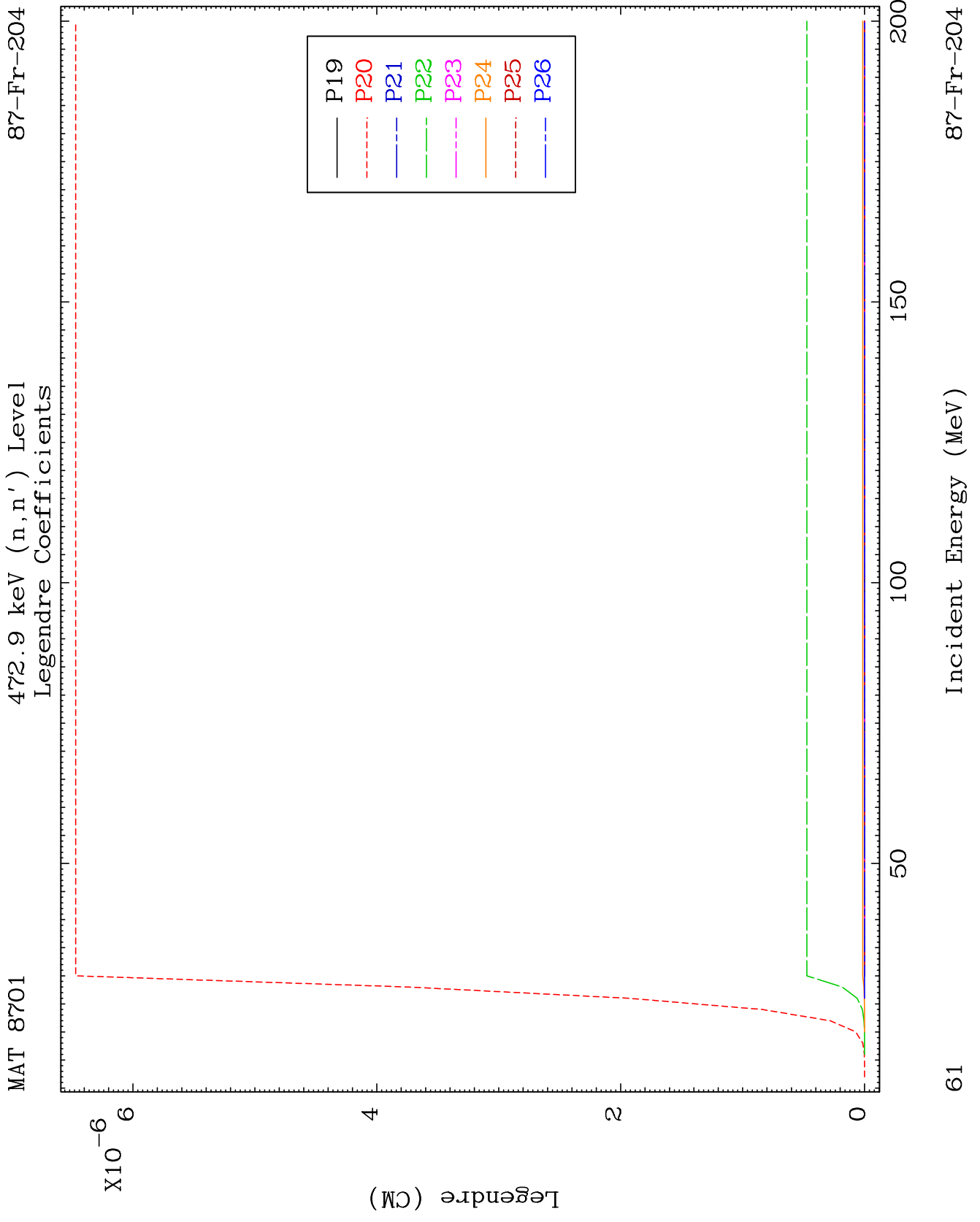
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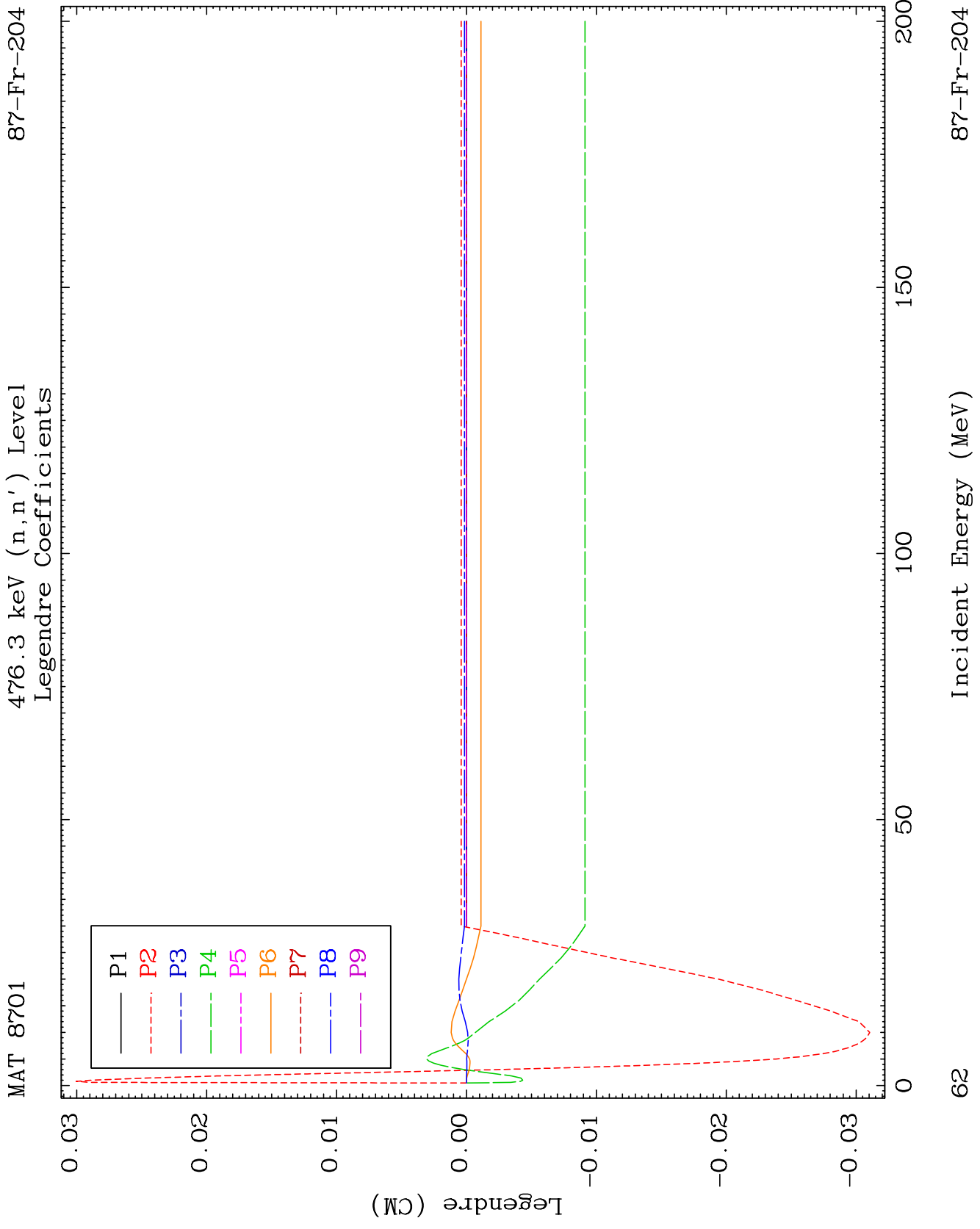


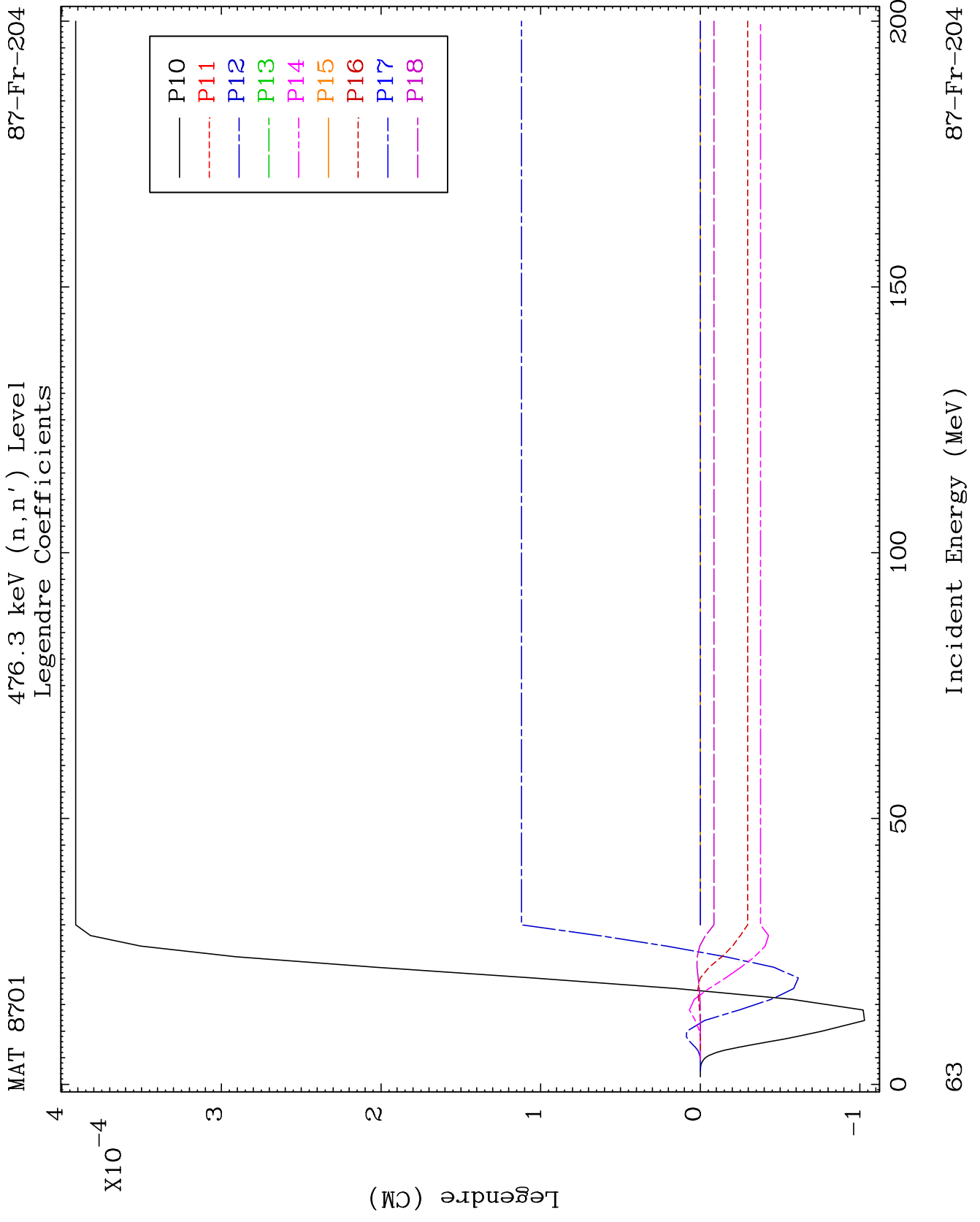
87-Fr-204

Incident Energy (MeV)

60







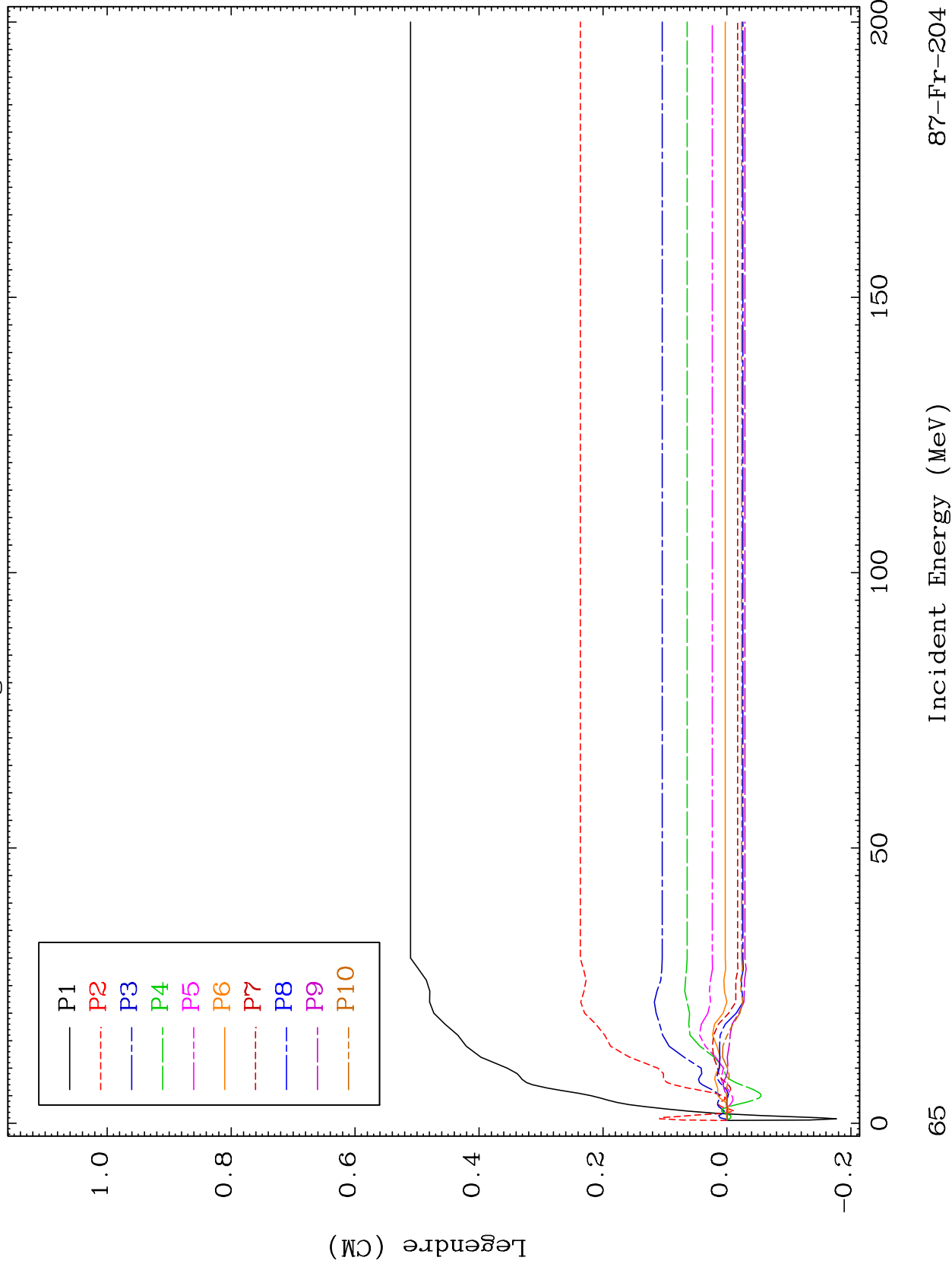




MAT 8701

496.8 keV (n, n') Level  
Legendre Coefficients

87-Fr-204

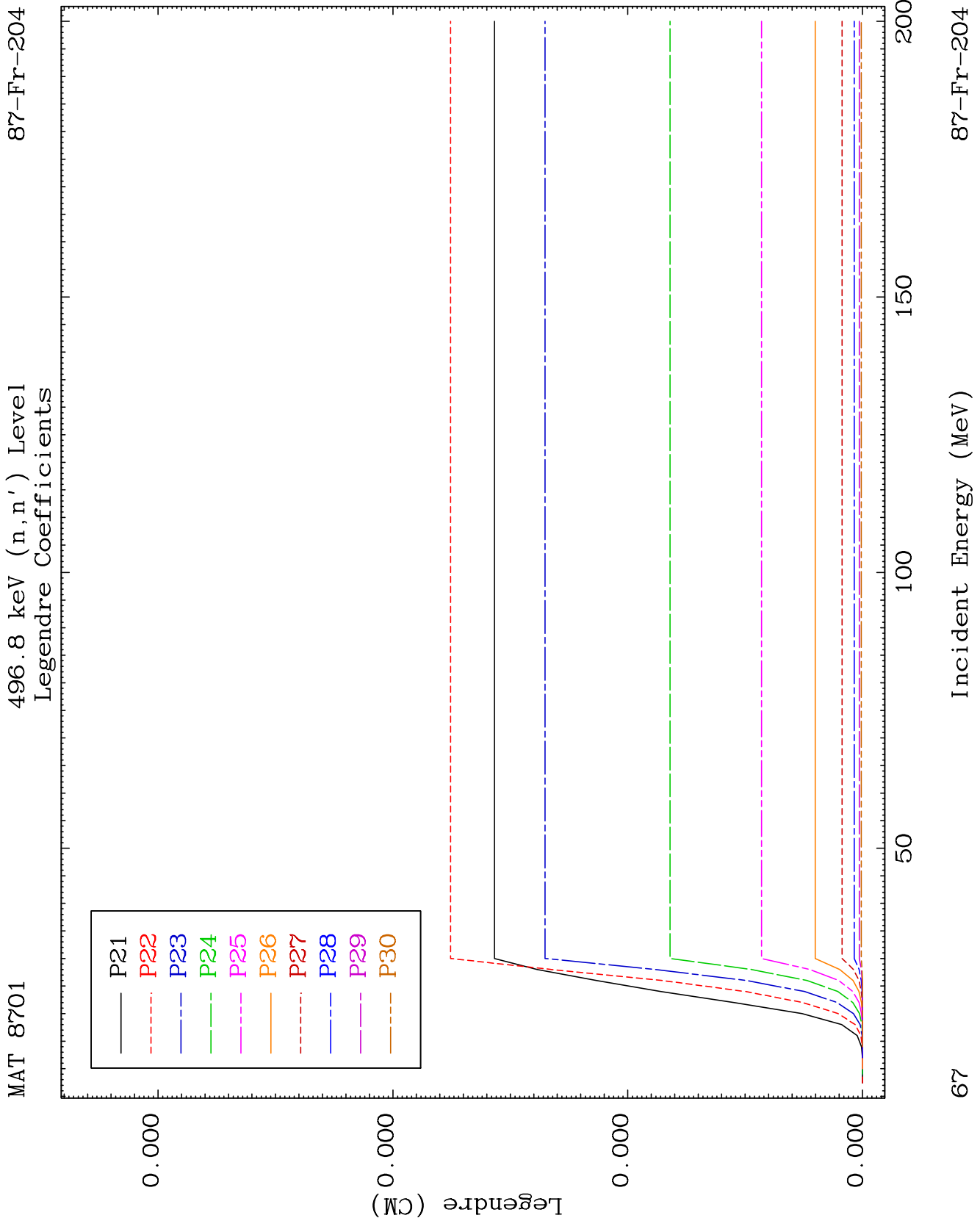


87-Fr-204

Incident Energy (MeV)

65

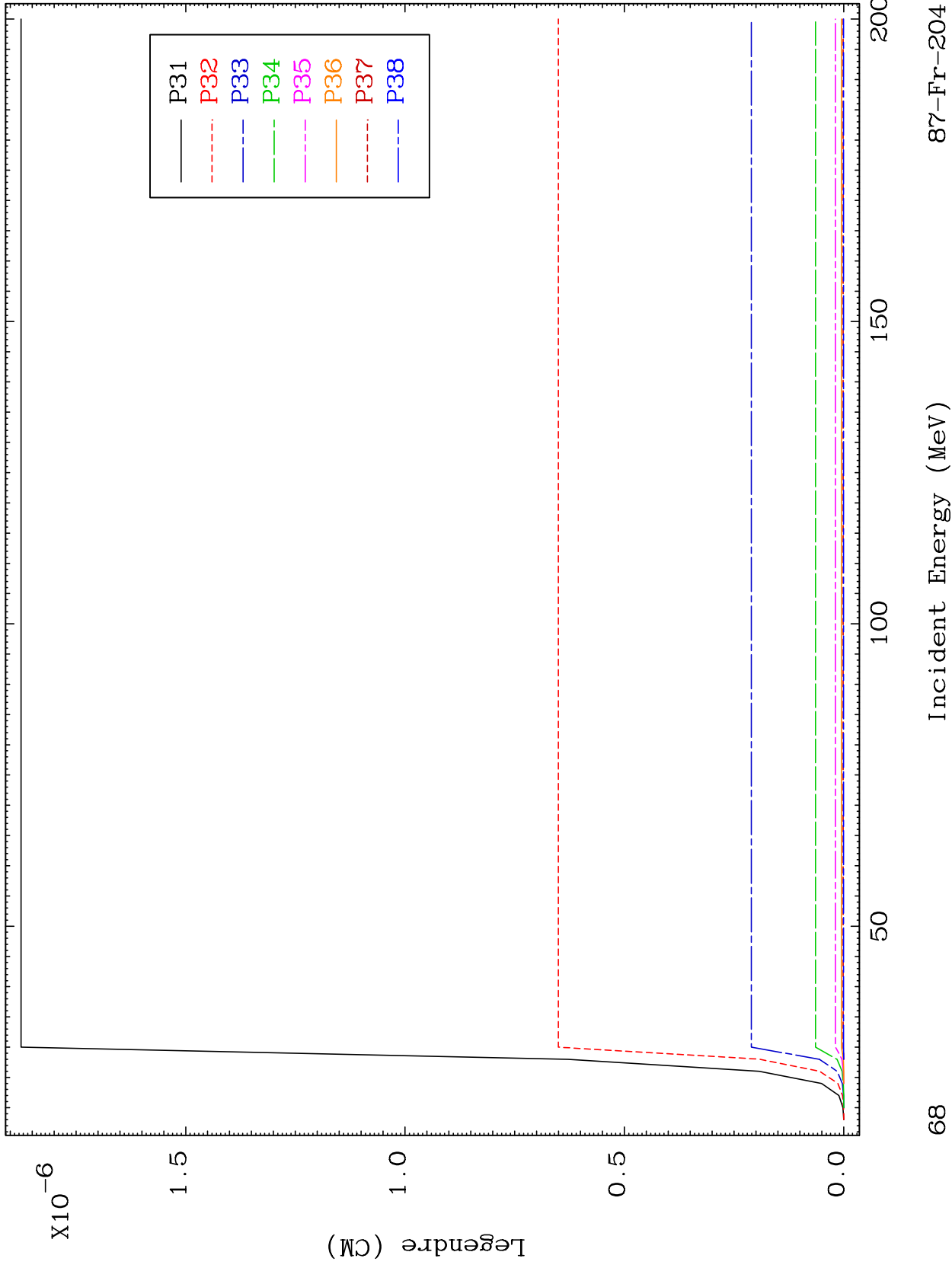




MAT 8701

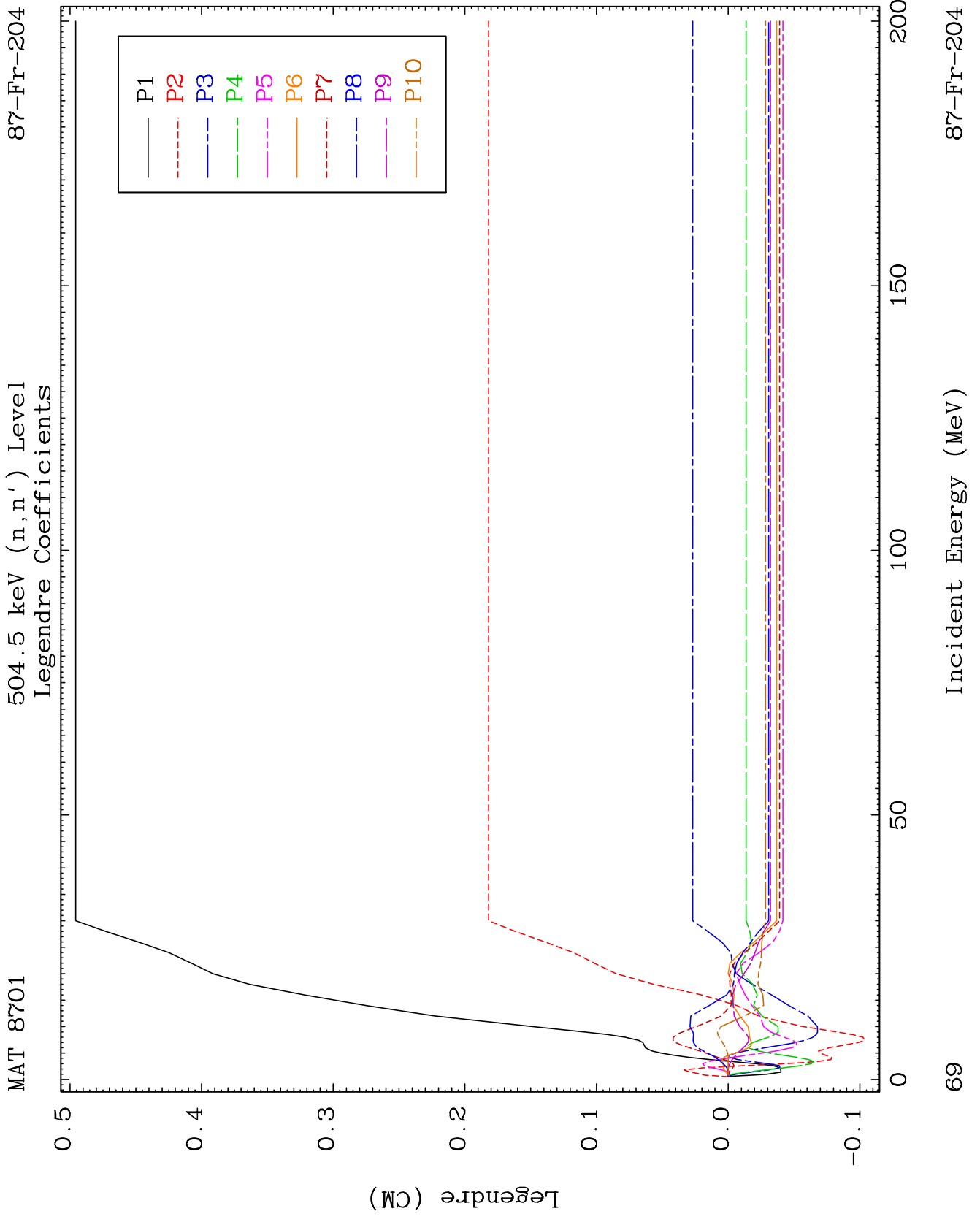
496.8 keV (n,n') Level  
Legendre Coefficients

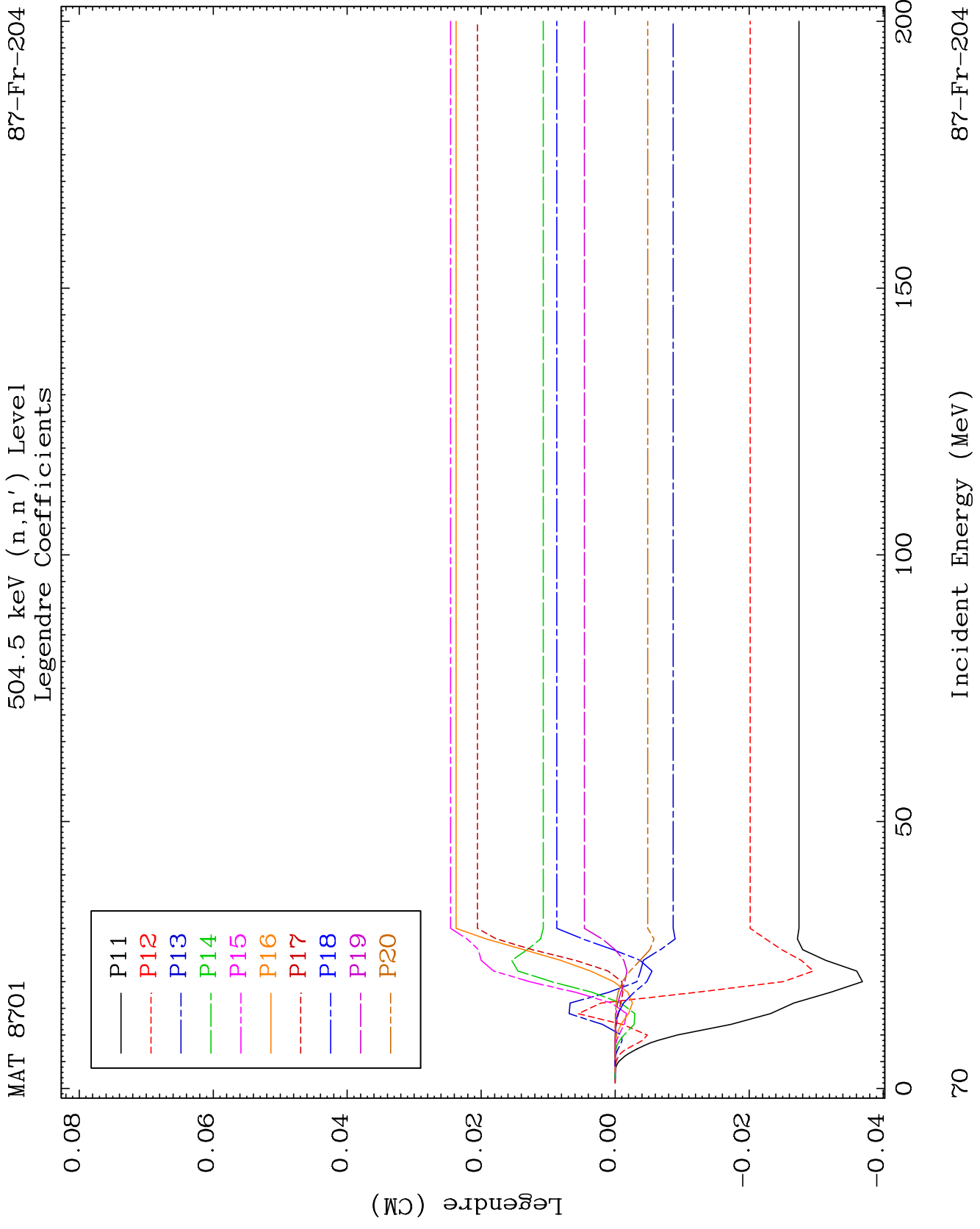
87-Fr-204



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87-Fr-204

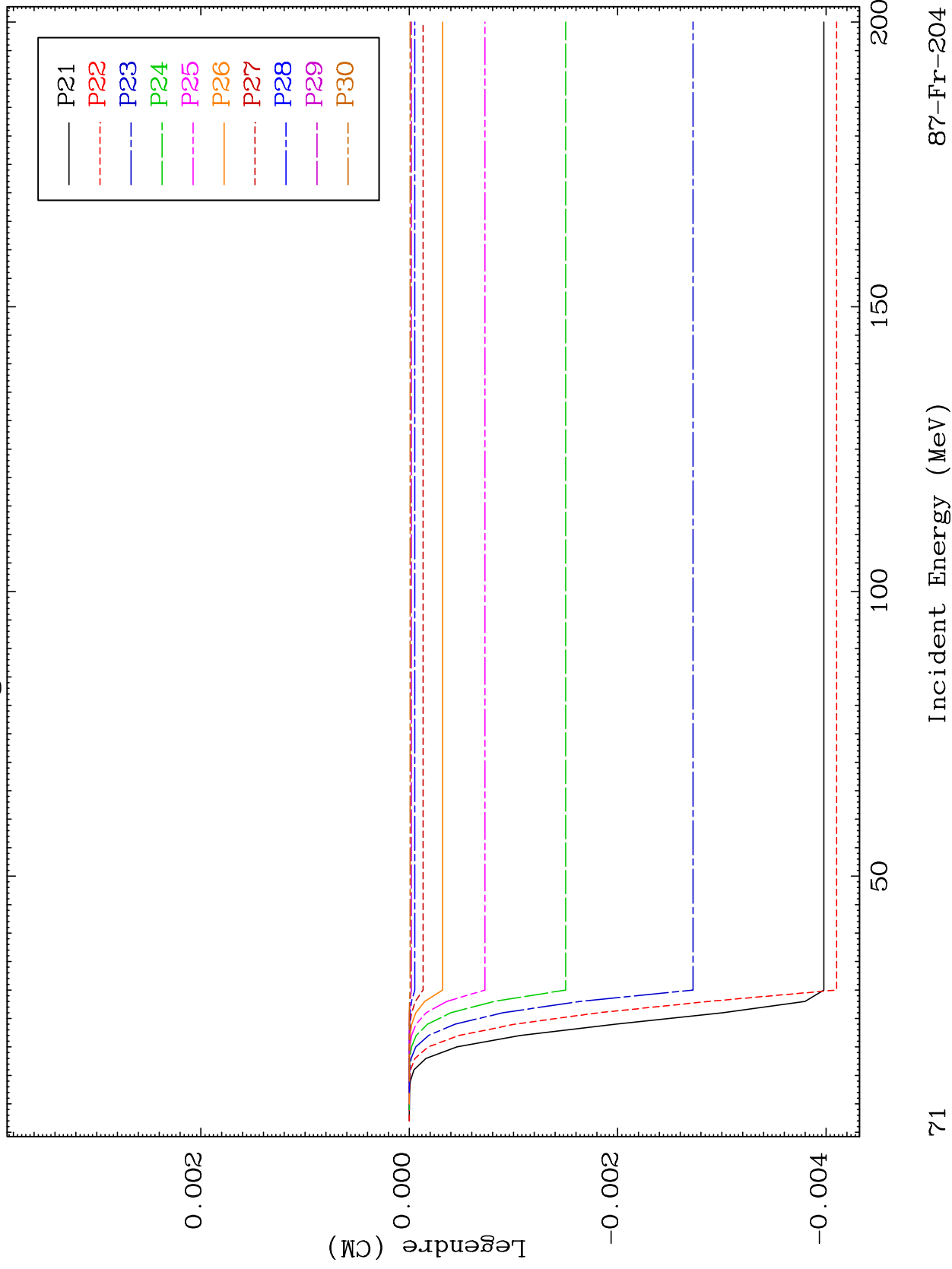




MAT 8701

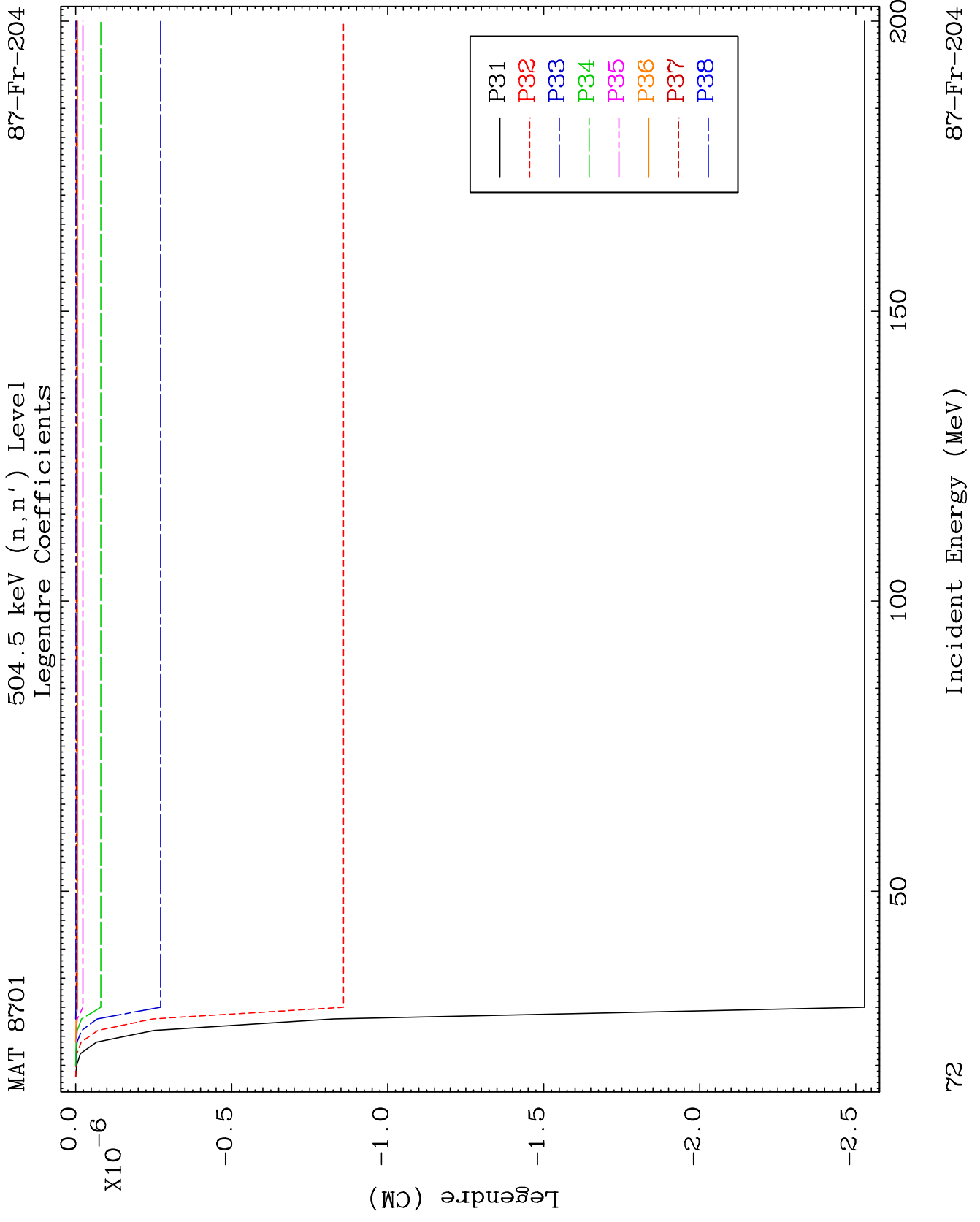
504.5 keV (n,n') Level  
Legendre Coefficients

87-Fr-204



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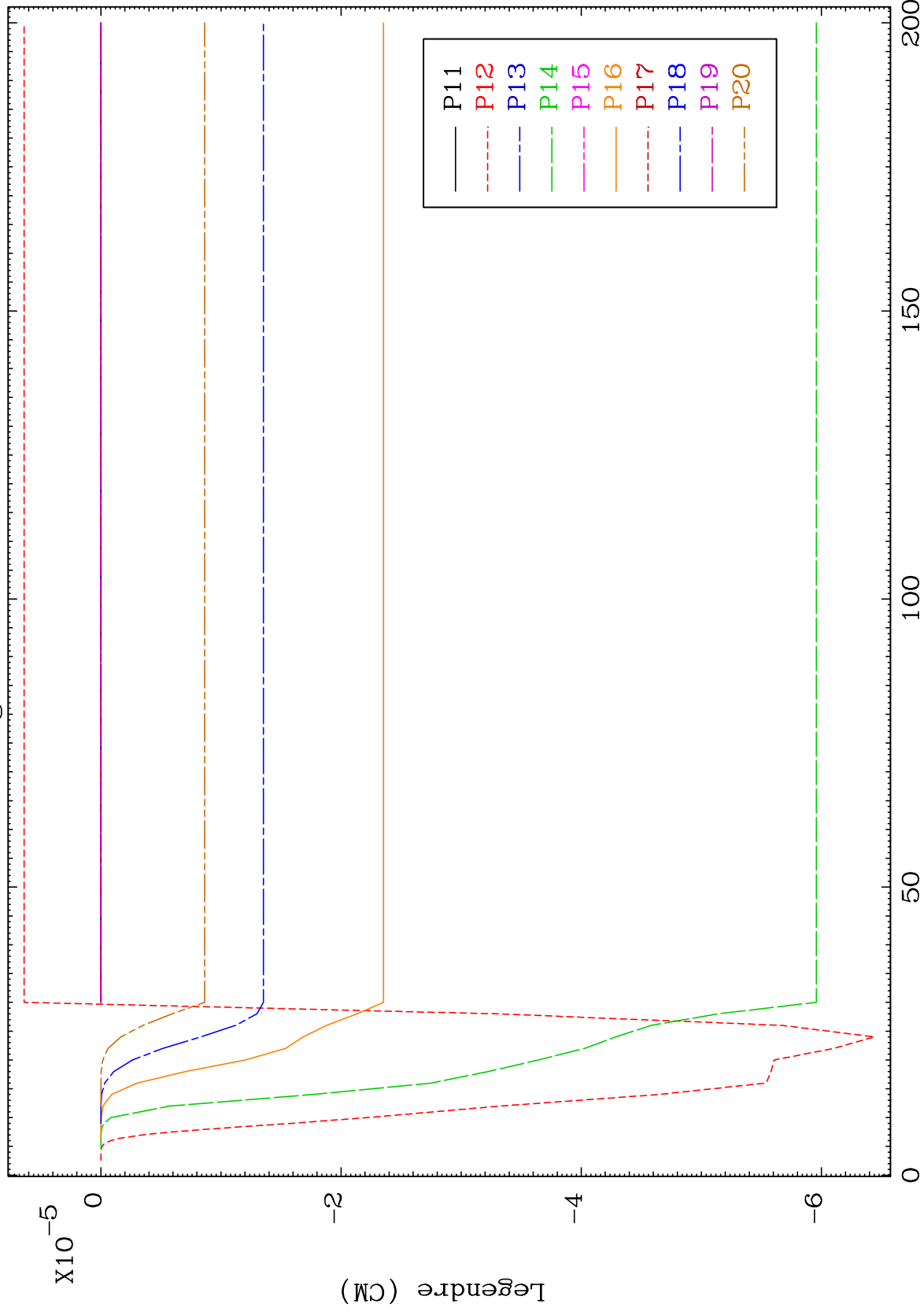




MAT 8701

521.8 keV (n,n') Level  
Legendre Coefficients

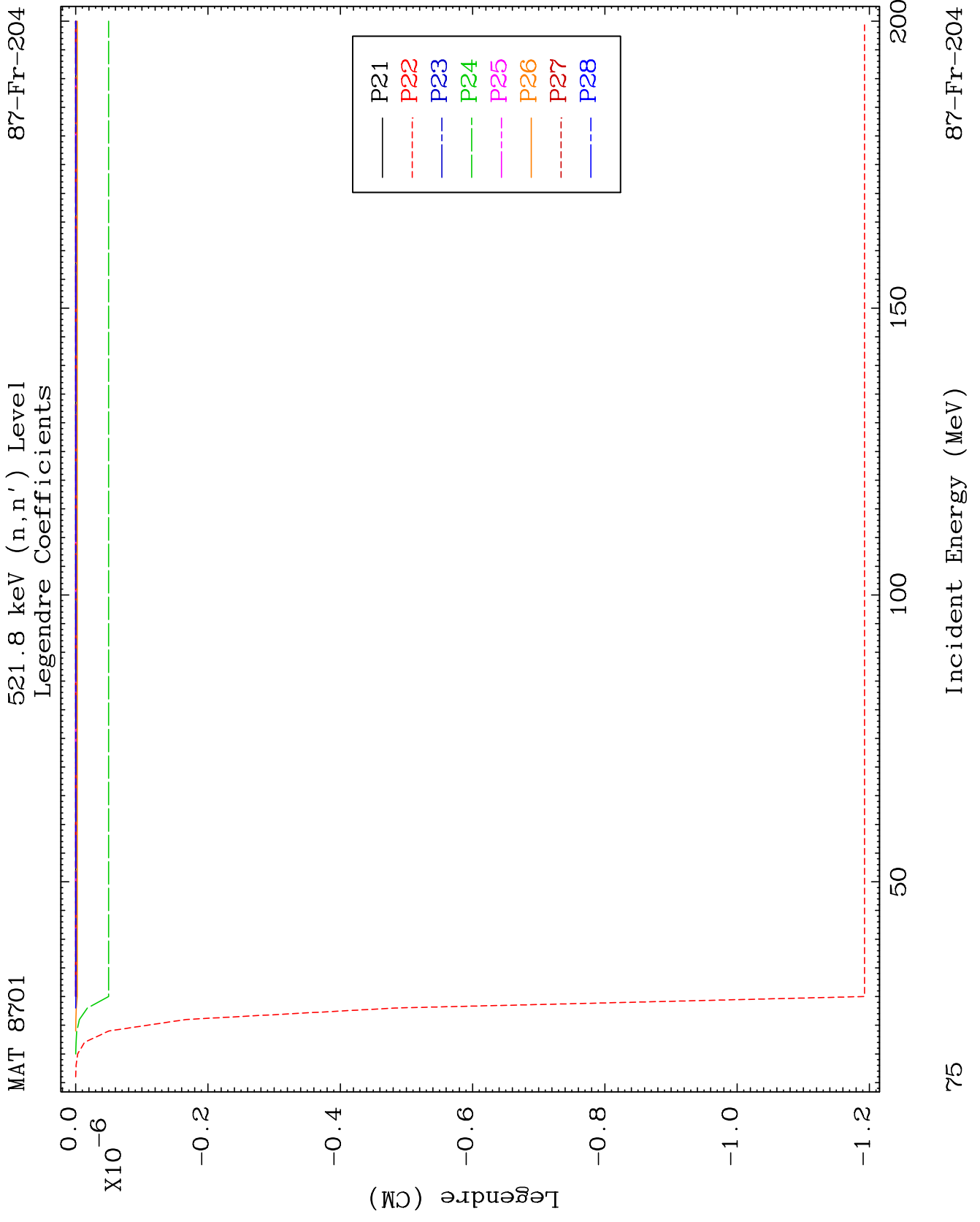
87-Fr-204



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Incident Energy (MeV)

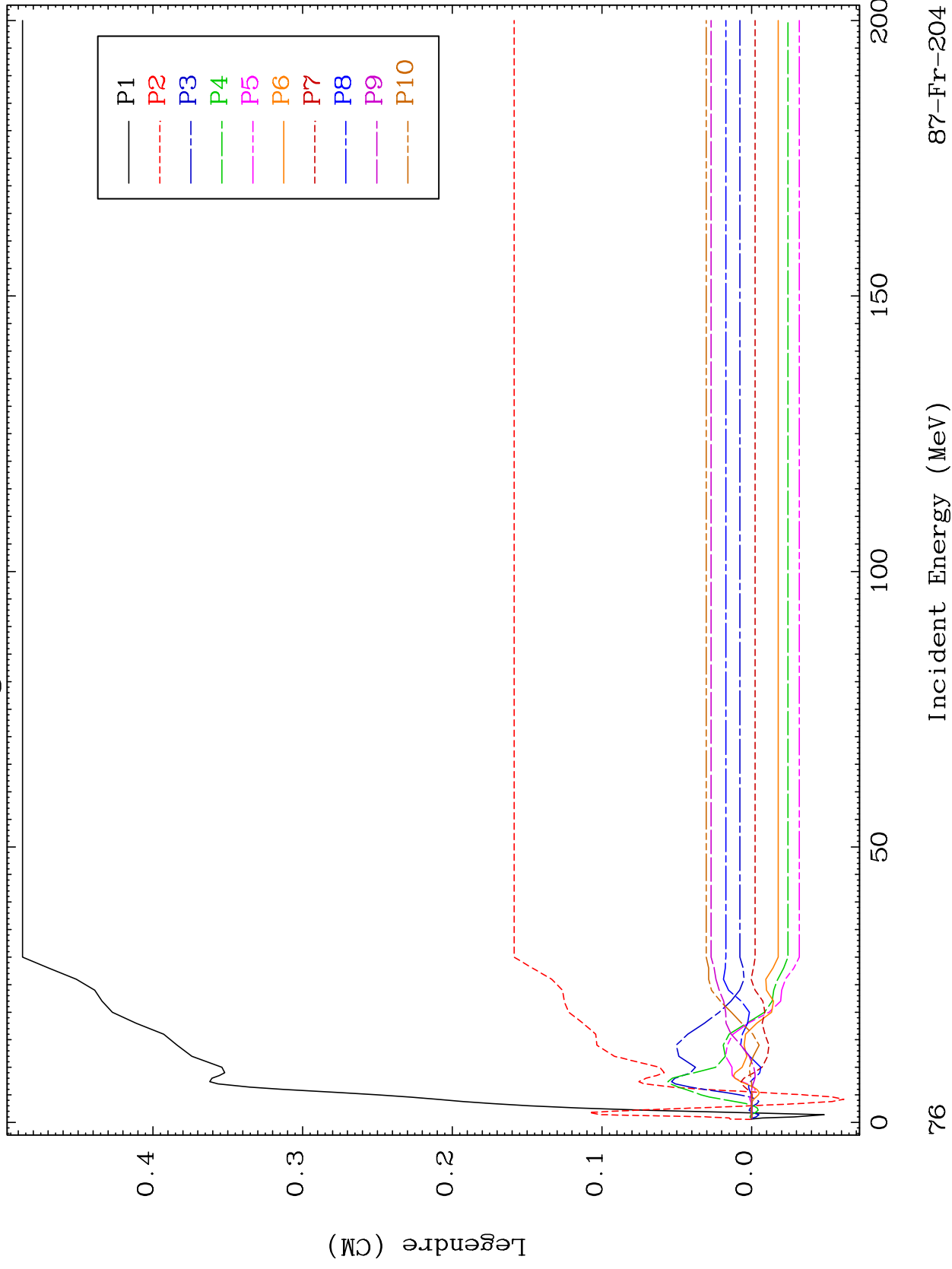
87-Fr-204



MAT 8701

529.0 keV (n,n') Level  
Legendre Coefficients

87-Fr-204



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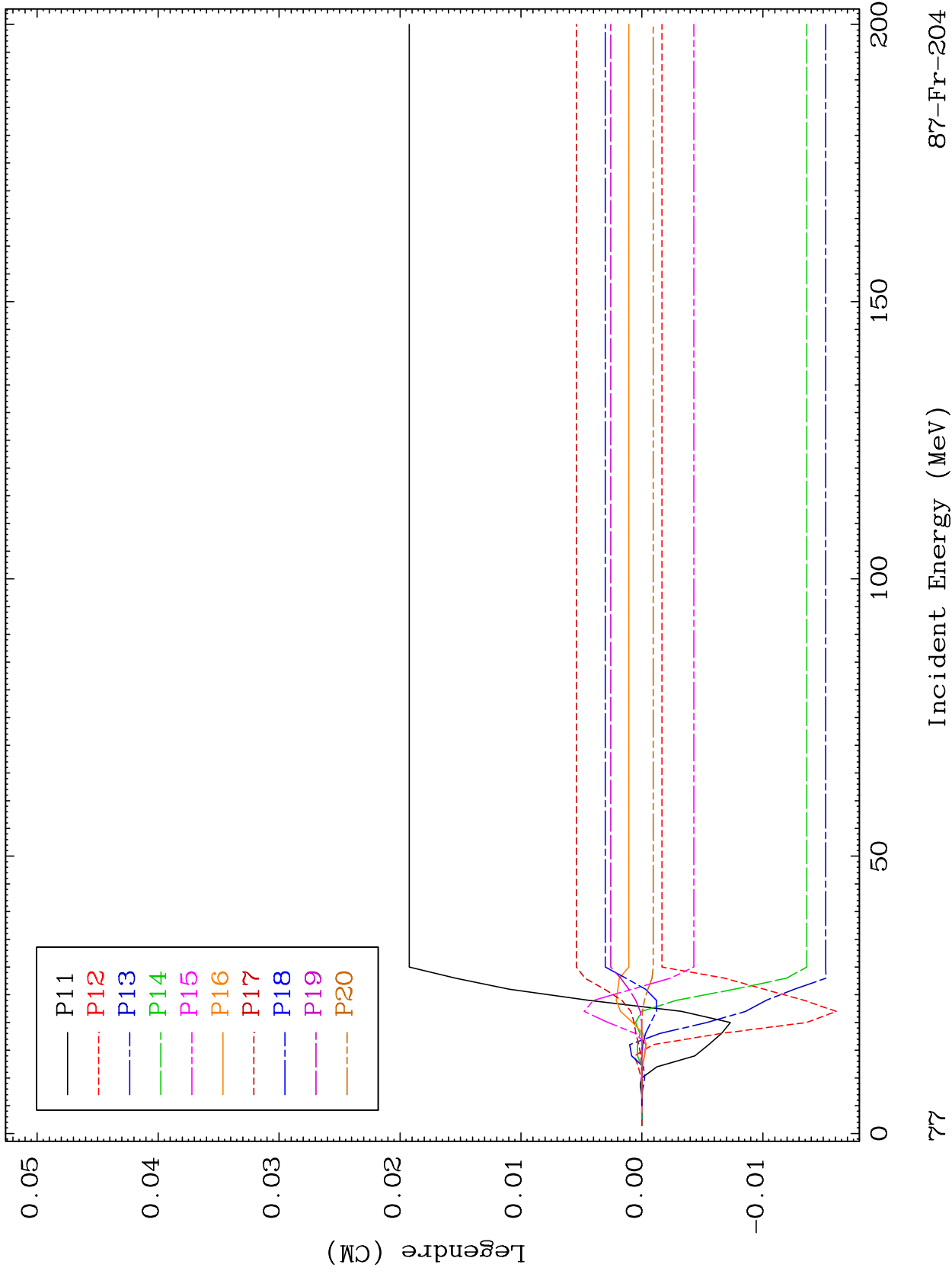
Incident Energy (MeV)

87-Fr-204

MAT 8701

529.0 keV (n,n') Level  
Legendre Coefficients

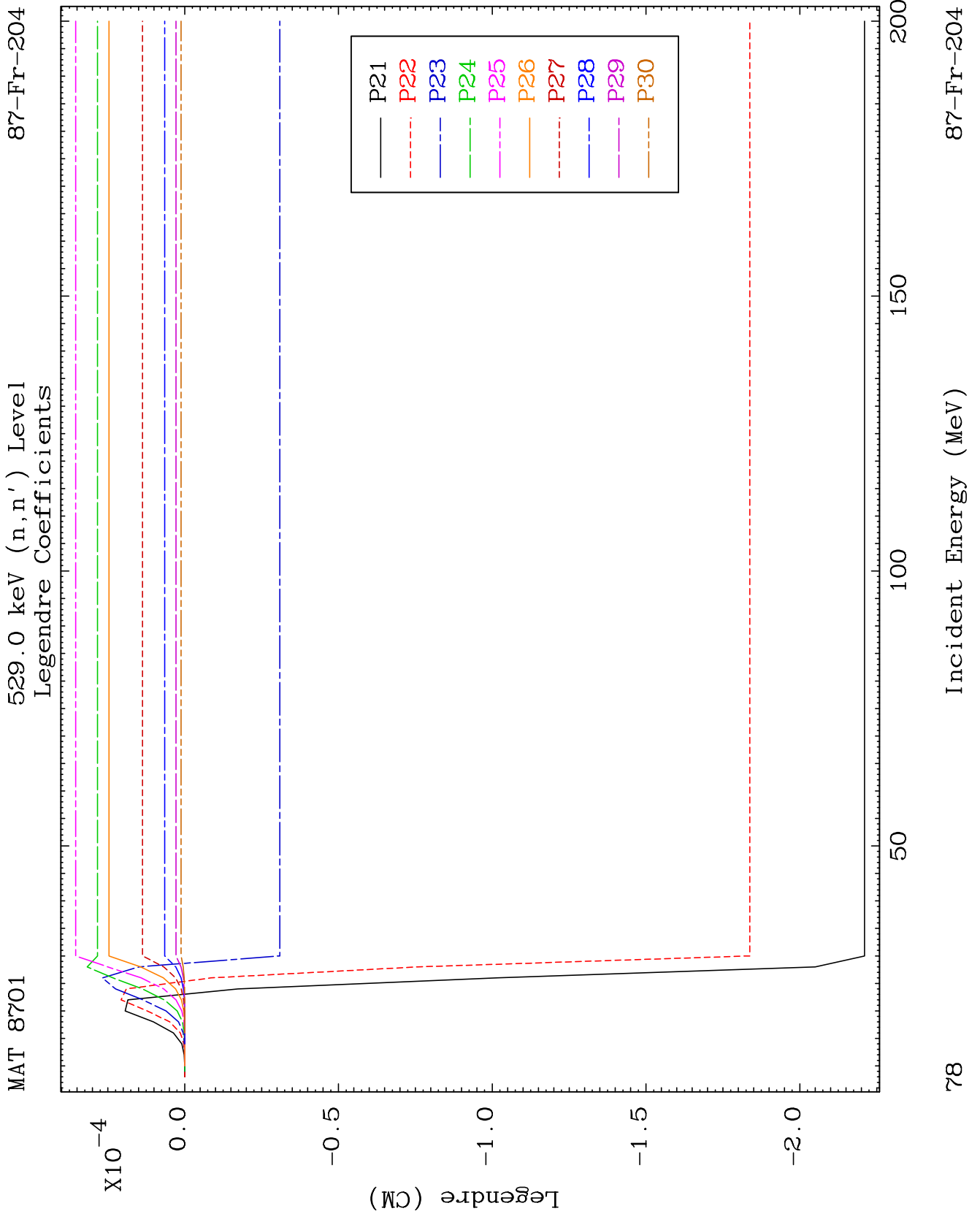
87-Fr-204



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Incident Energy (MeV)

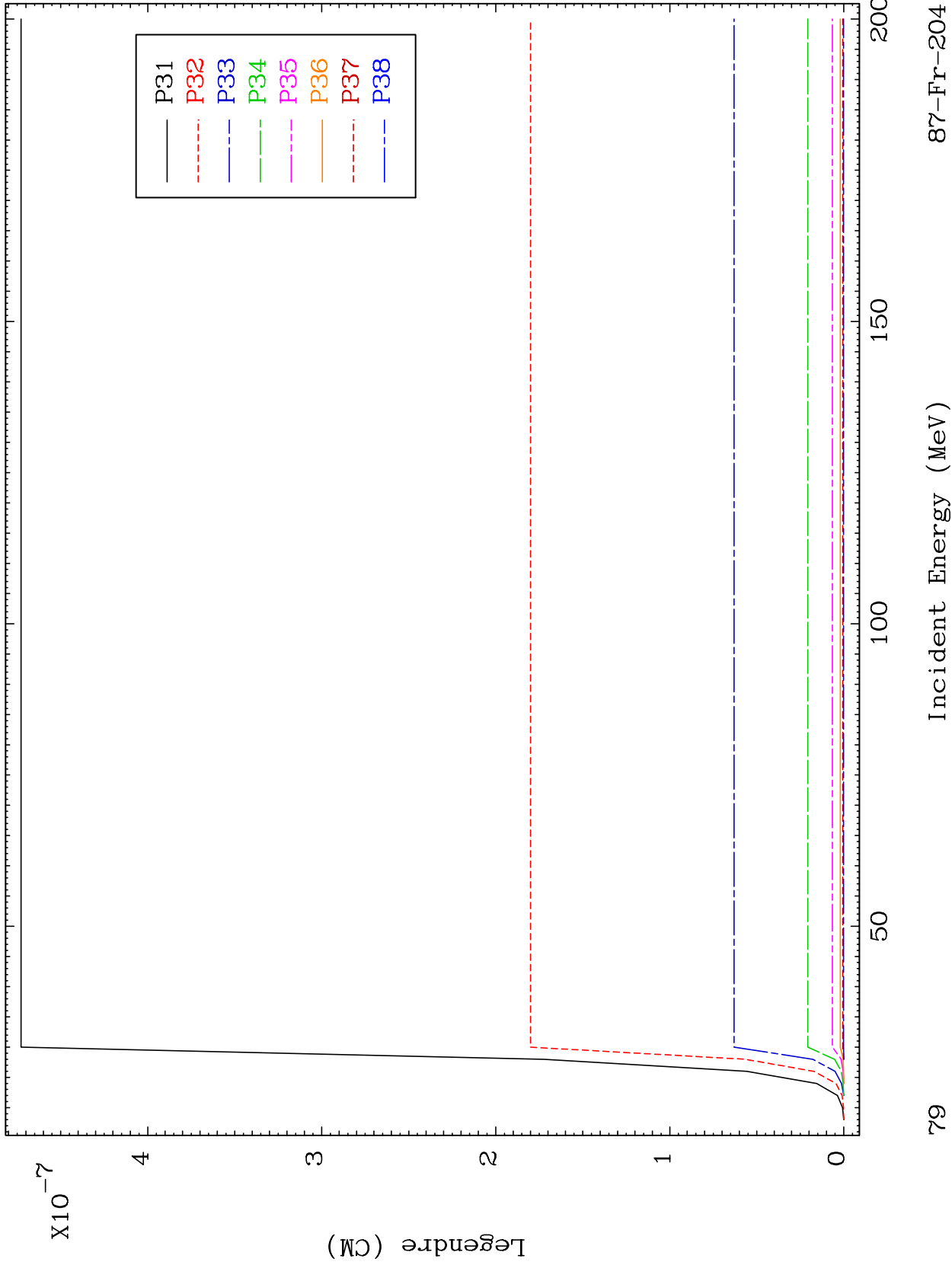
87-Fr-204



MAT 8701

529.0 keV (n,n') Level  
Legendre Coefficients

87-Fr-204



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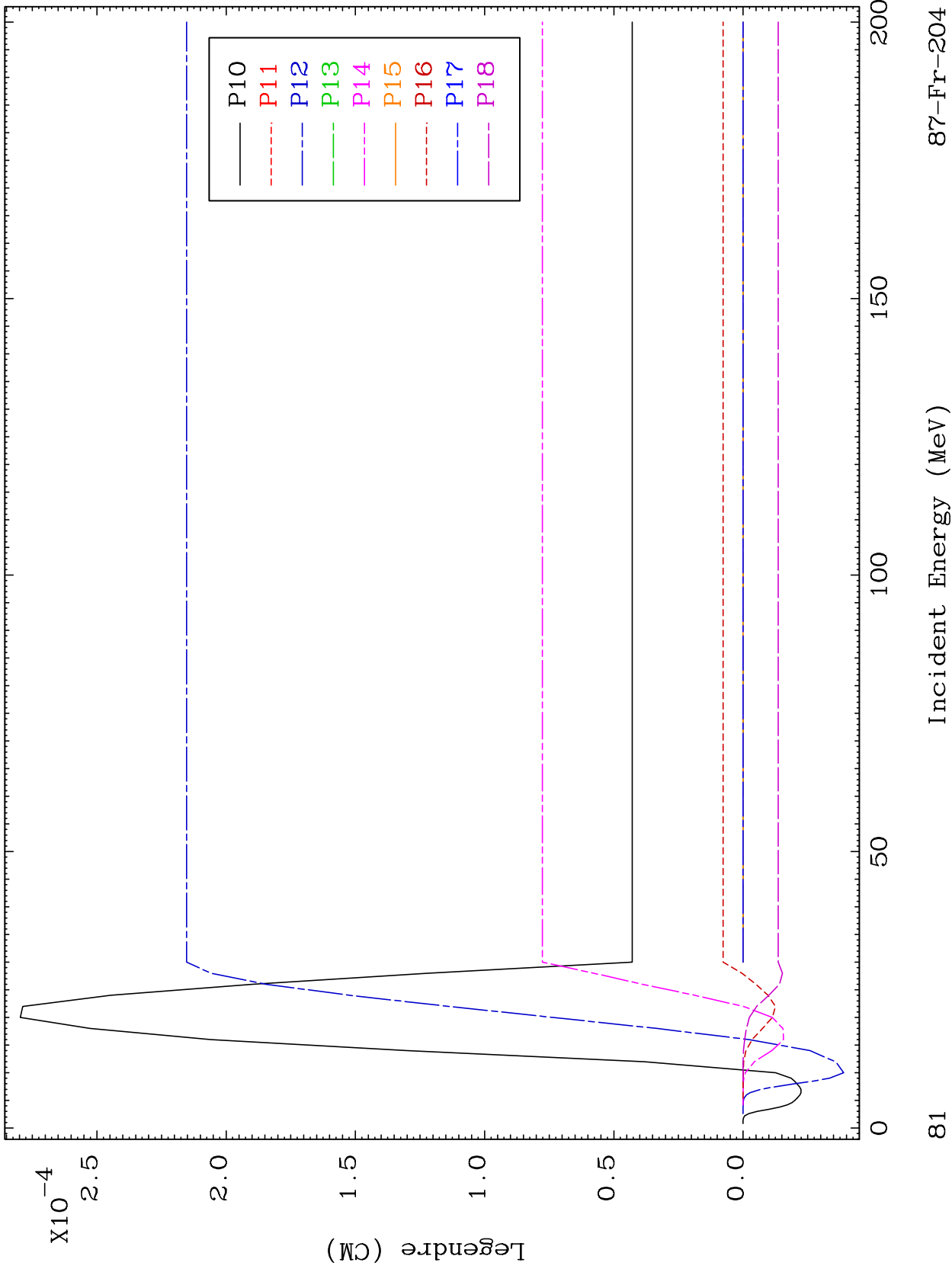


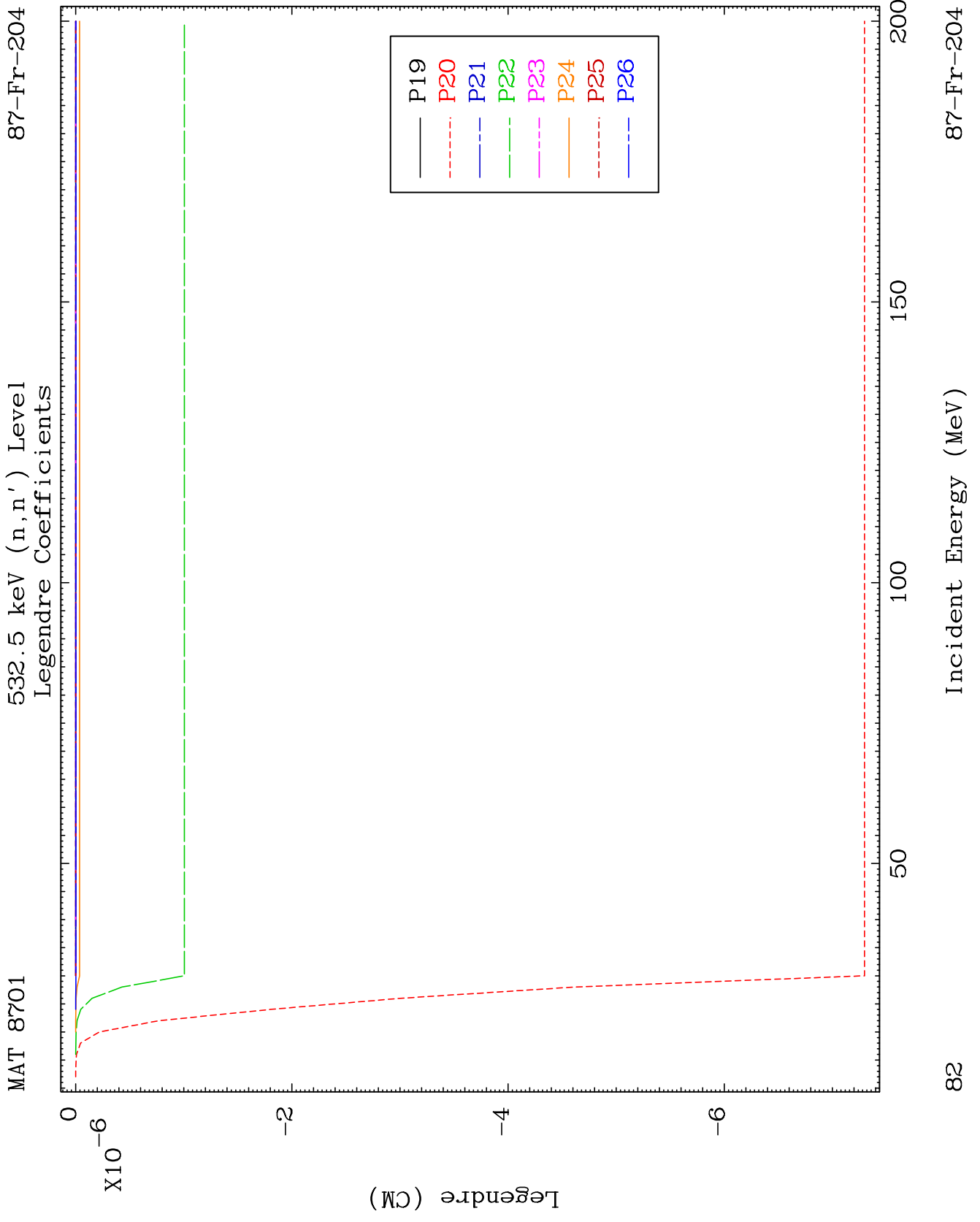


MAT 8701

532.5 keV (n,n') Level  
Legendre Coefficients

87-Fr-204

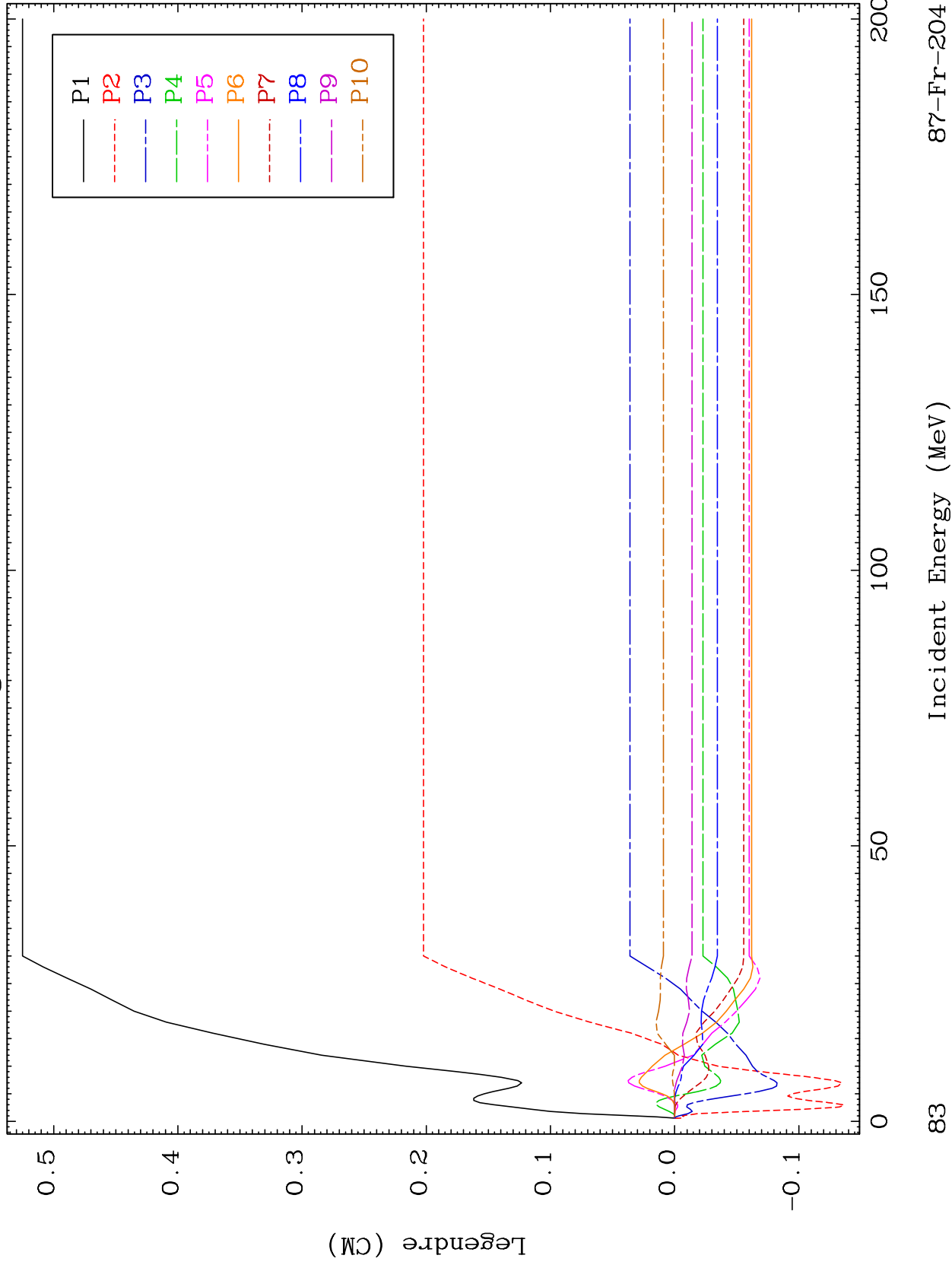




MAT 8701

535.1 keV (n,n') Level  
Legendre Coefficients

87-Fr-204



83

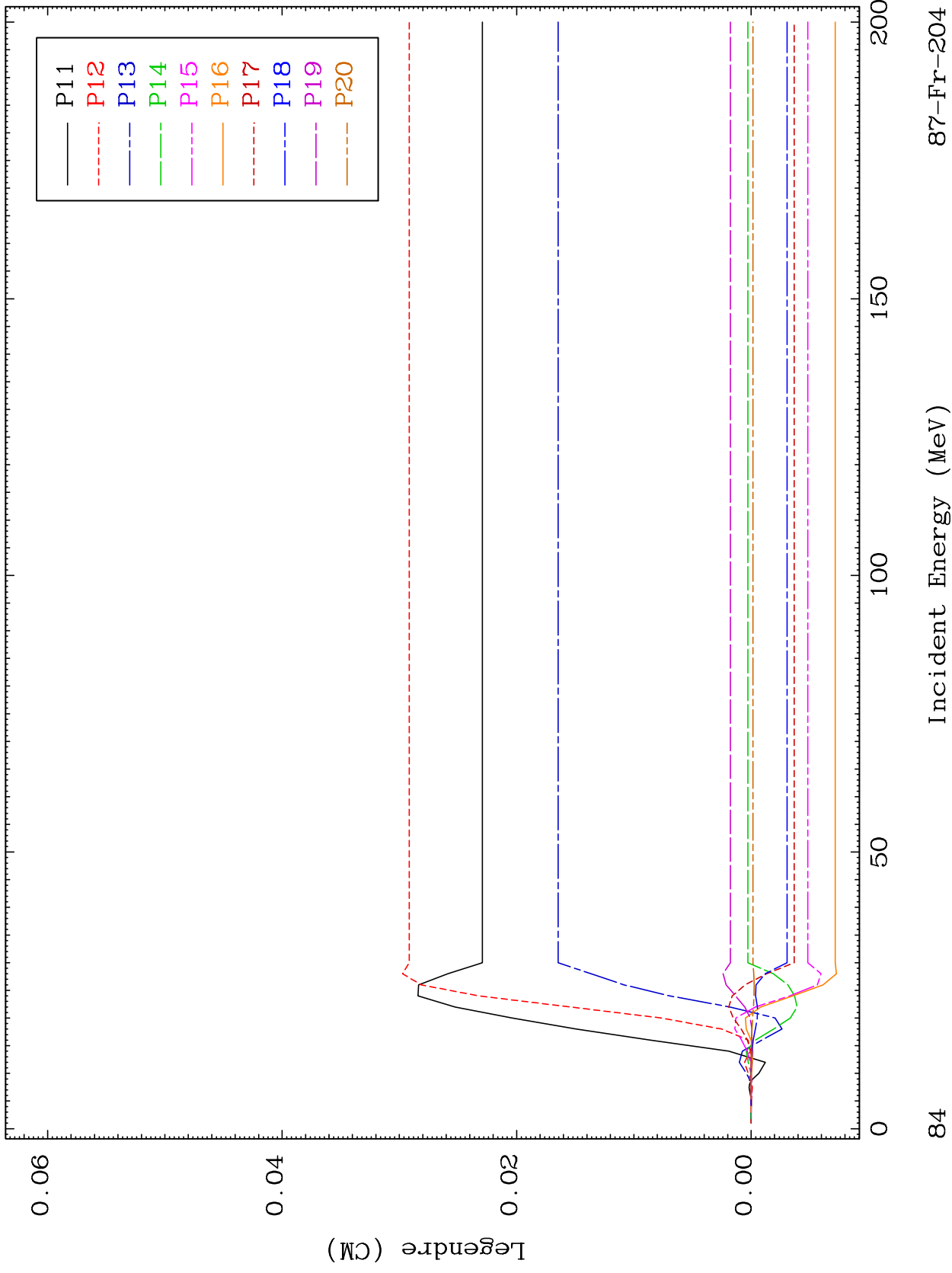
Incident Energy (MeV)

87-Fr-204

MAT 8701

535.1 keV (n,n') Level  
Legendre Coefficients

87-Fr-204



84

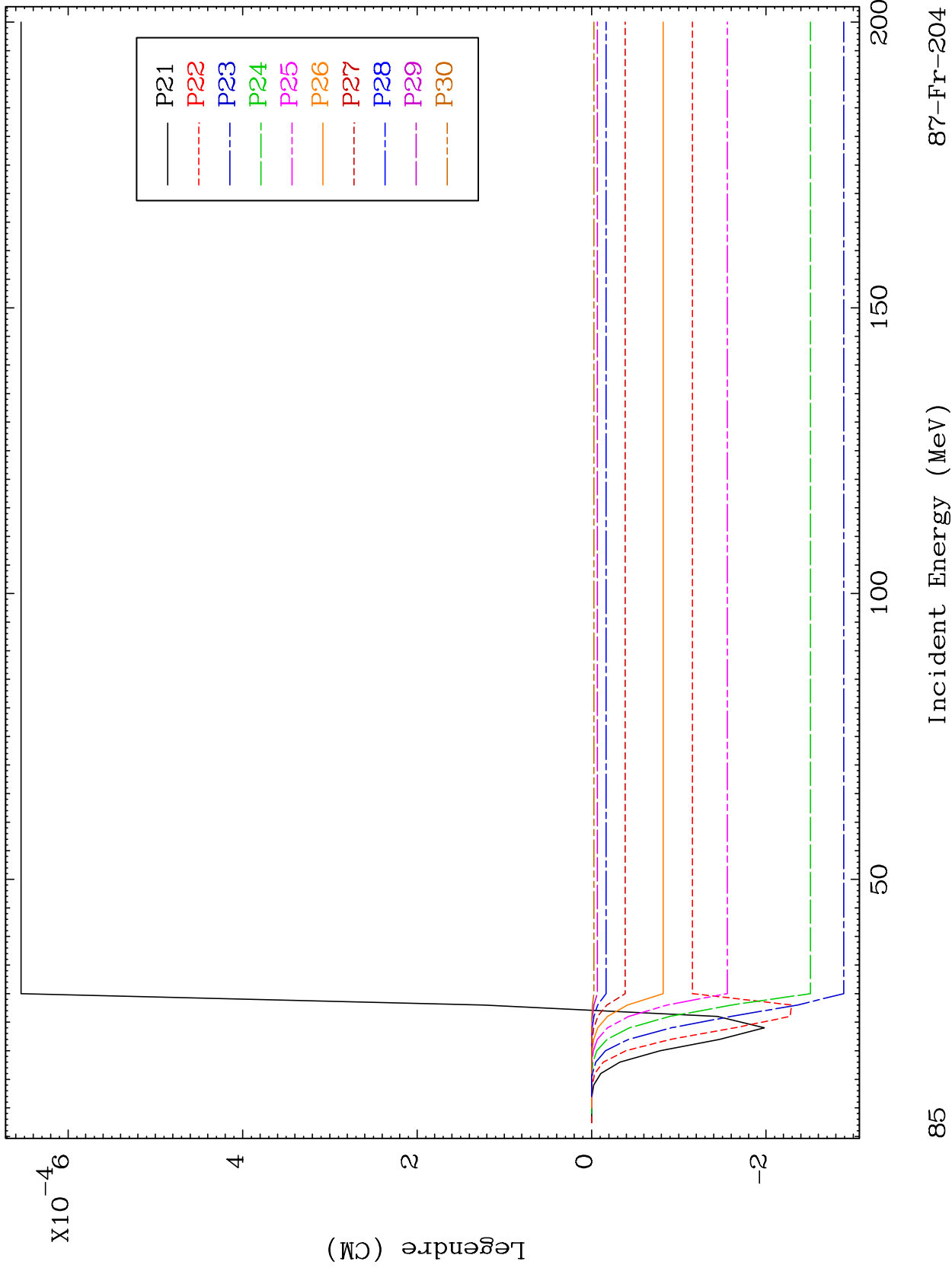
Incident Energy (MeV)

87-Fr-204

MAT 8701

535.1 keV (n,n') Level  
Legendre Coefficients

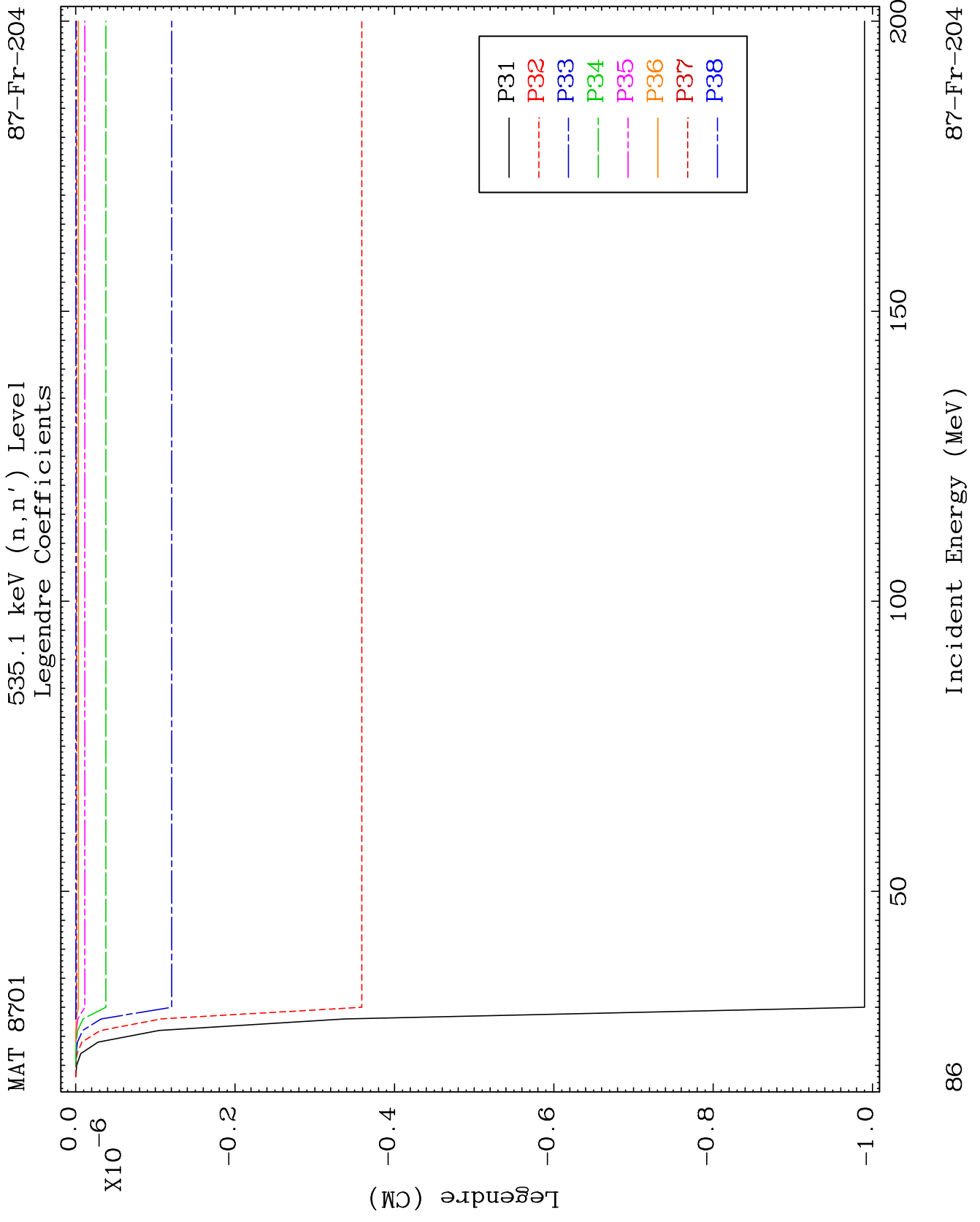
87-Fr-204



85

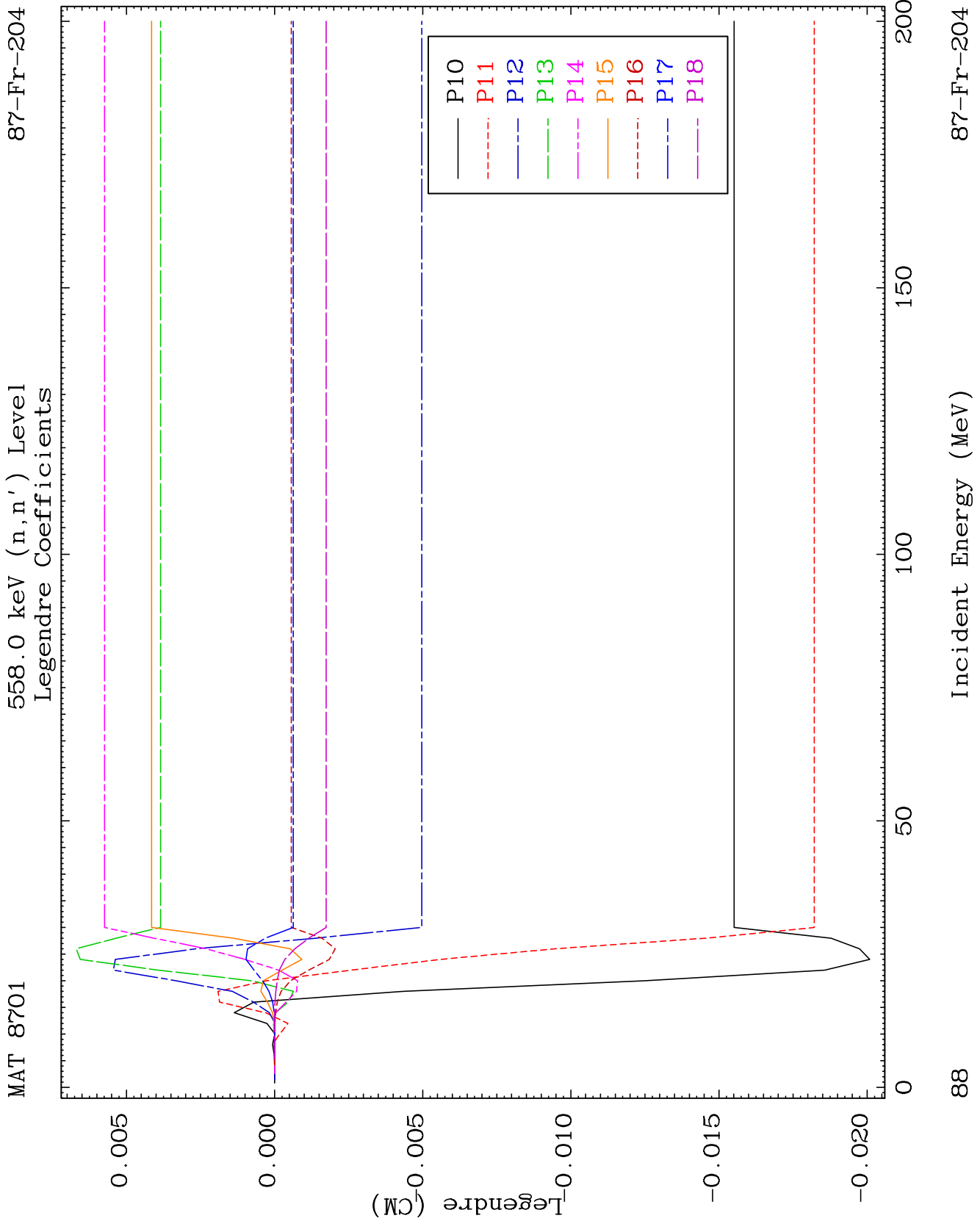
Incident Energy (MeV)

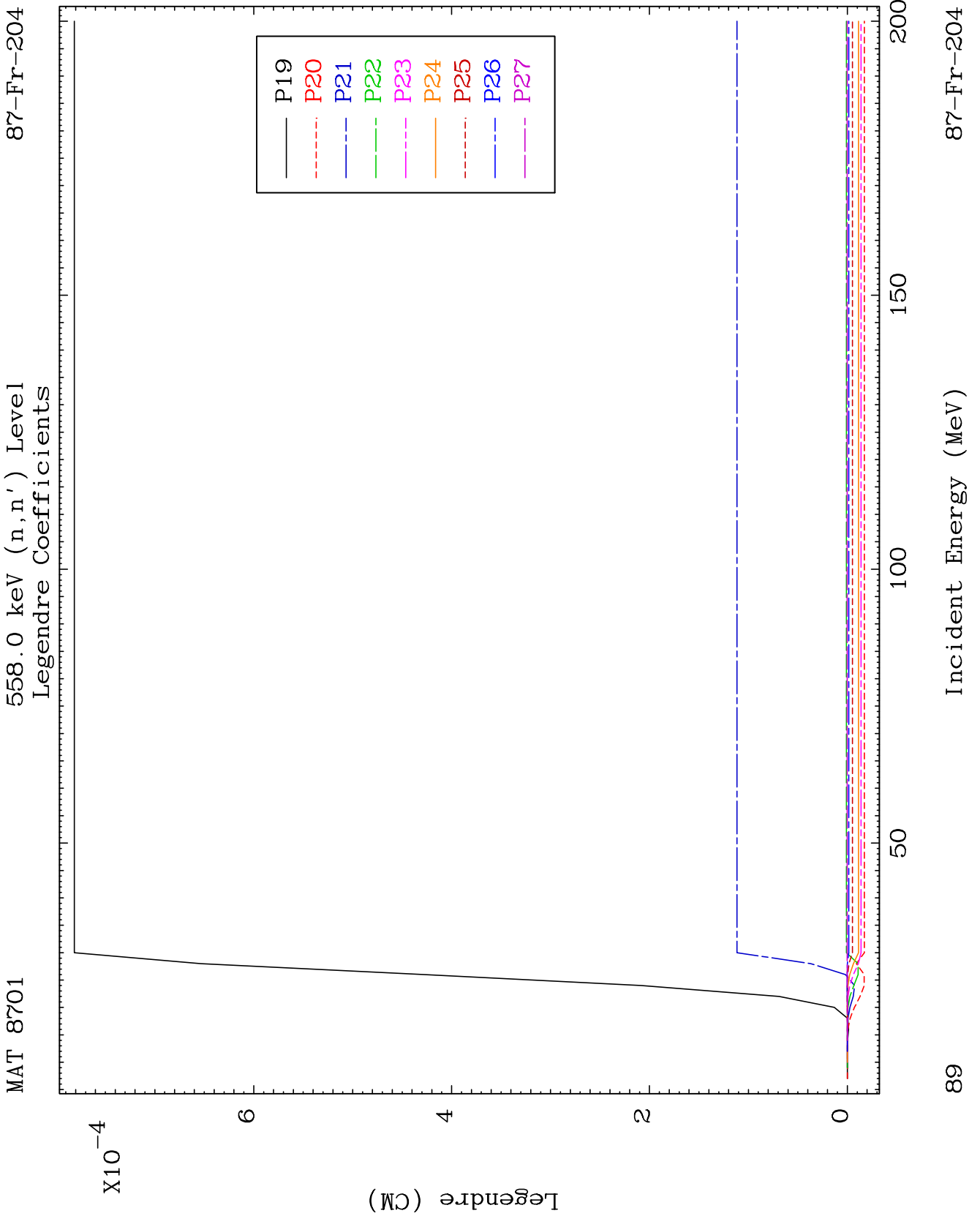
87-Fr-204

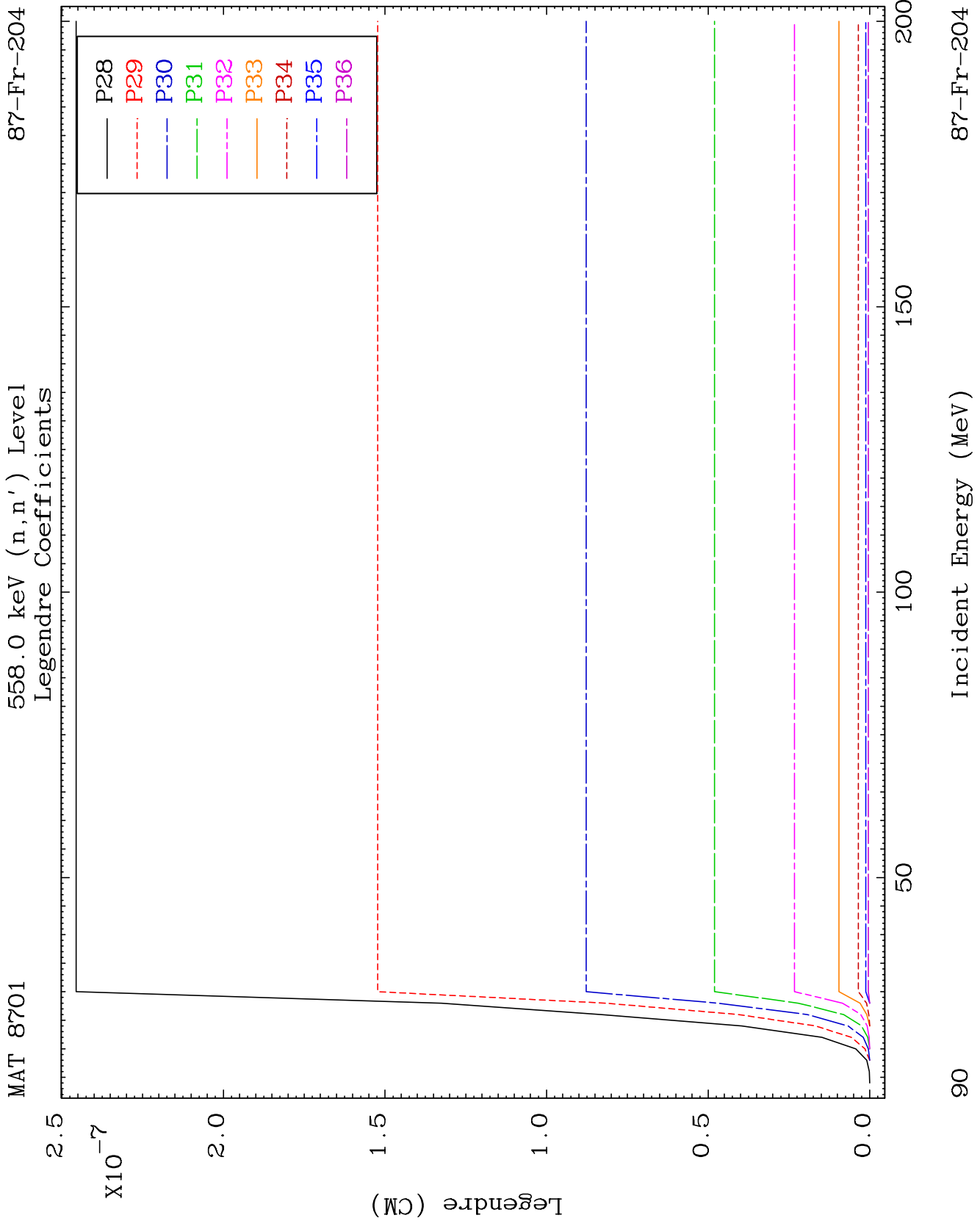








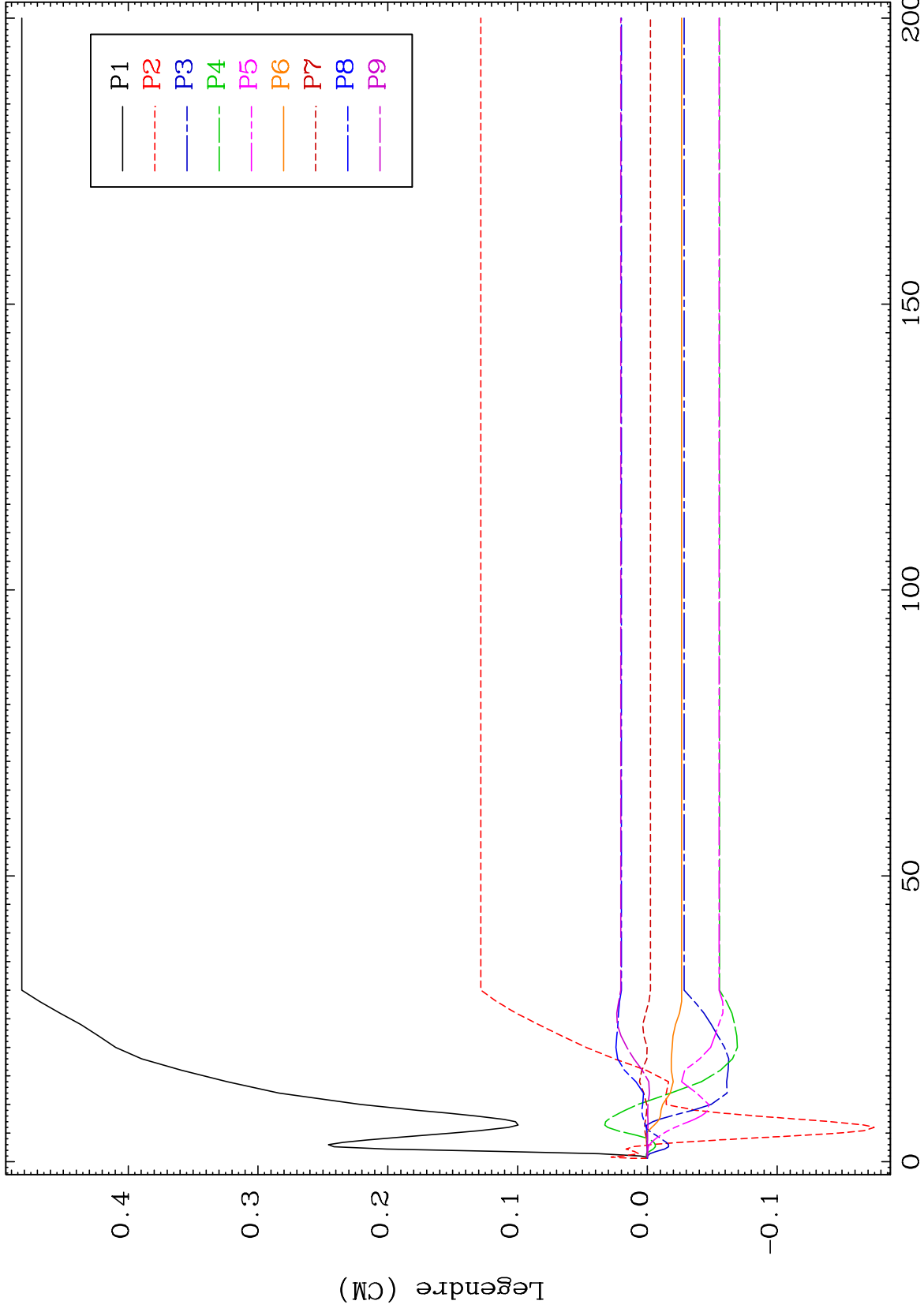




MAT 8701

575.2 keV (n,n') Level  
Legendre Coefficients

87-Fr-204



91

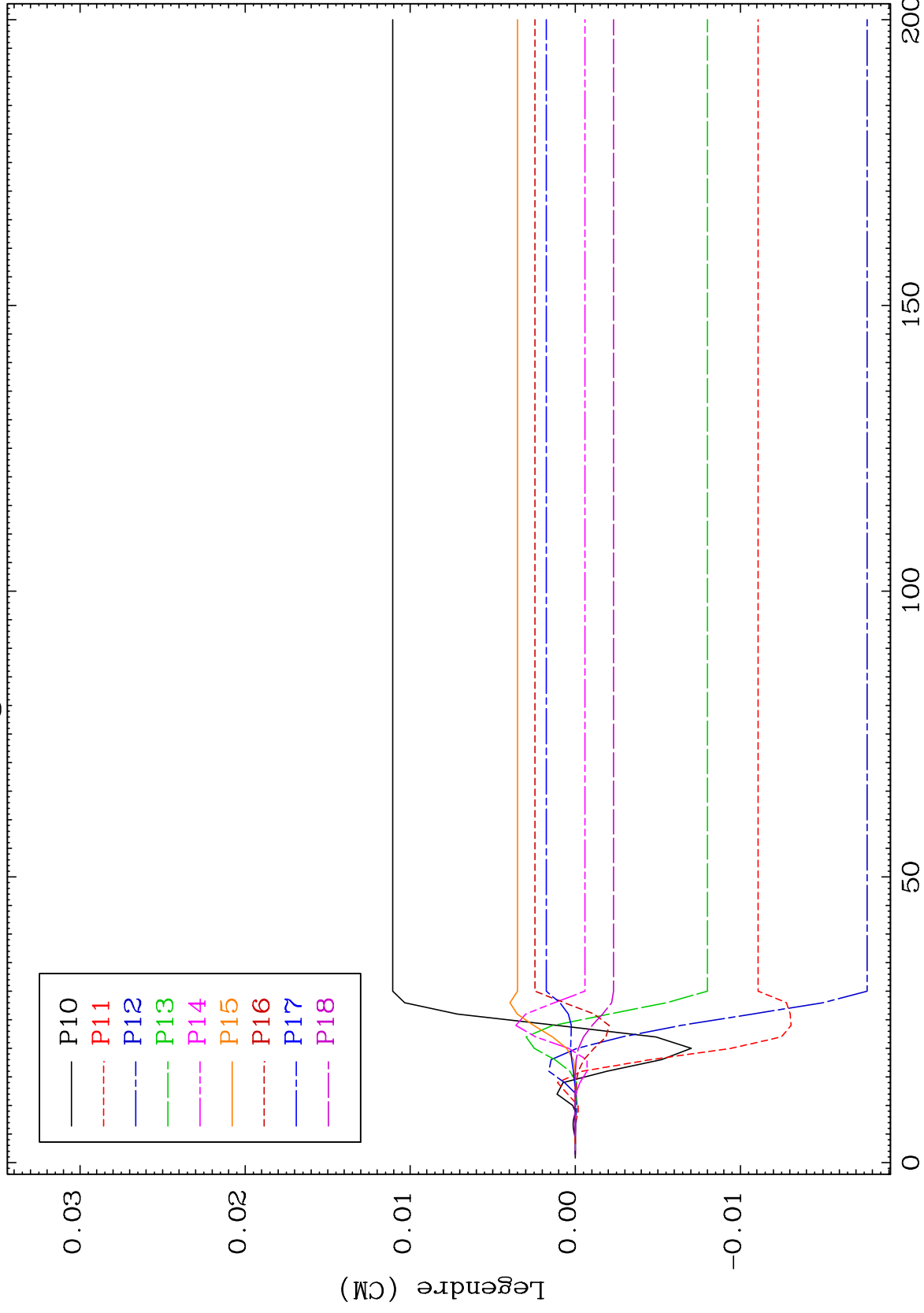
Incident Energy (MeV)

87-Fr-204

MAT 8701

575.2 keV (n,n') Level  
Legendre Coefficients

87-Fr-204



92

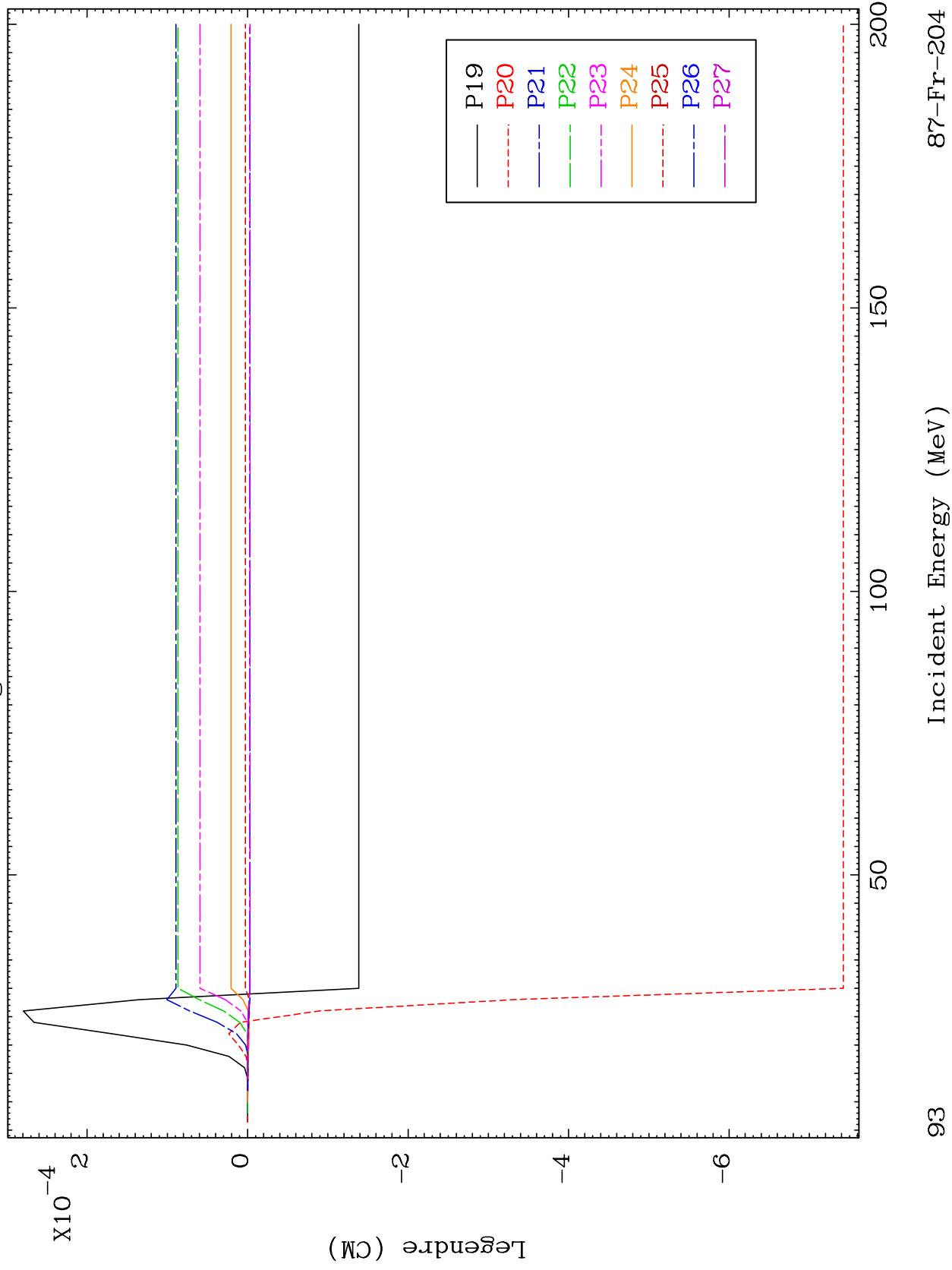
Incident Energy (MeV)

87-Fr-204

MAT 8701

575.2 keV (n, n') Level  
Legendre Coefficients

87-Fr-204

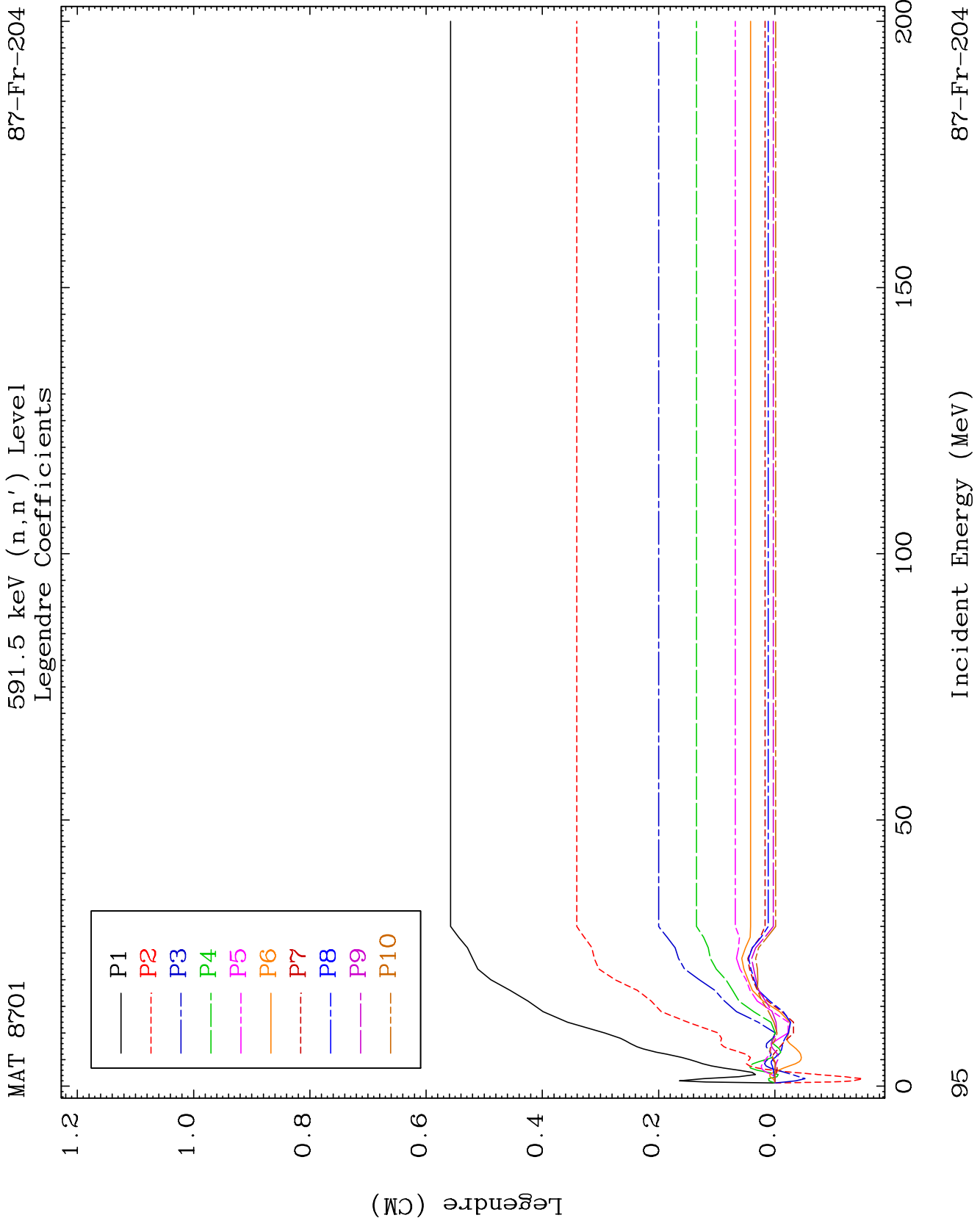


93

Incident Energy (MeV)

87-Fr-204



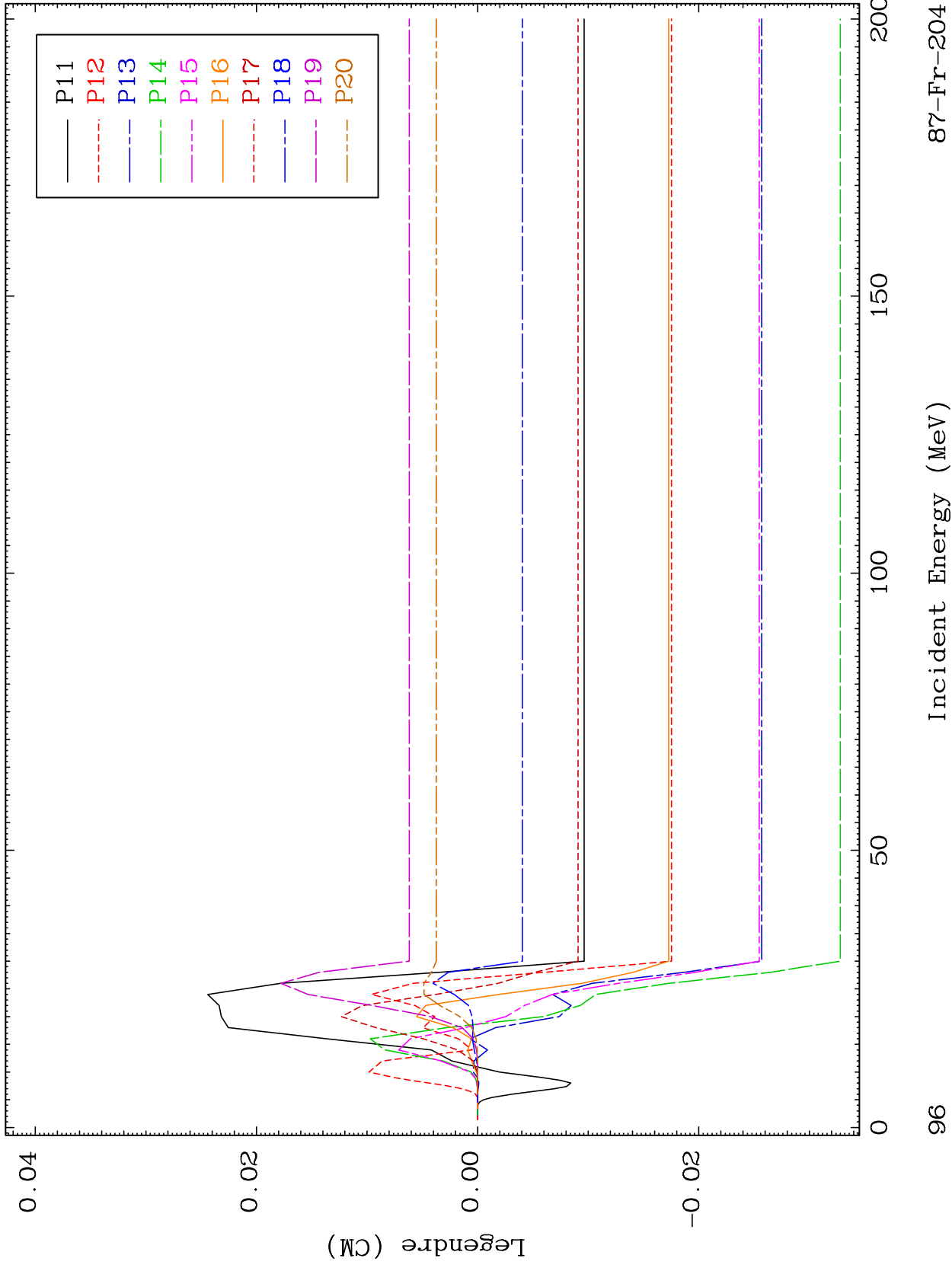




MAT 8701

591.5 keV (n,n') Level  
Legendre Coefficients

87-Fr-204



96

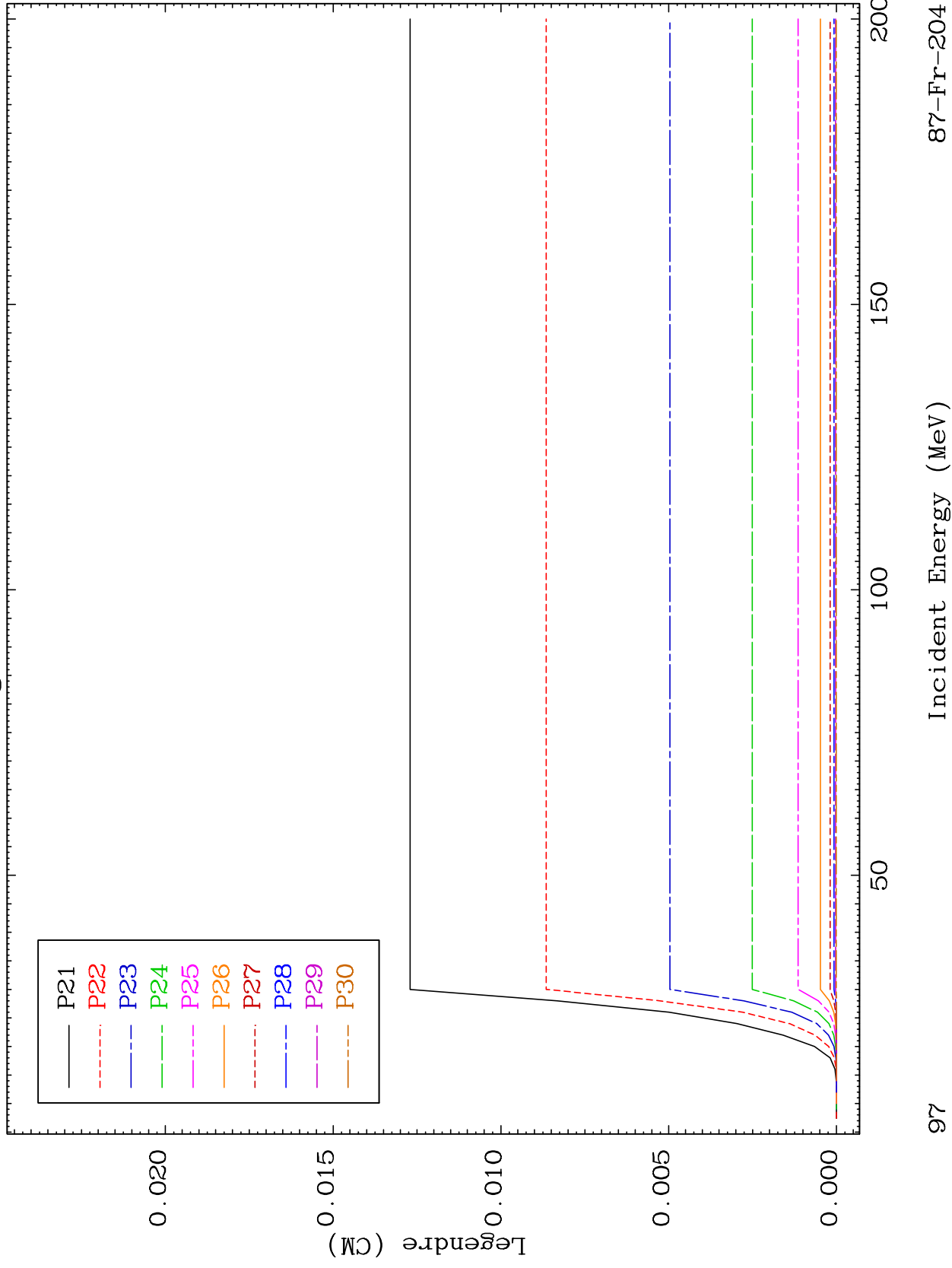
Incident Energy (MeV)

87-Fr-204

MAT 8701

591.5 keV (n,n') Level  
Legendre Coefficients

87-Fr-204



97

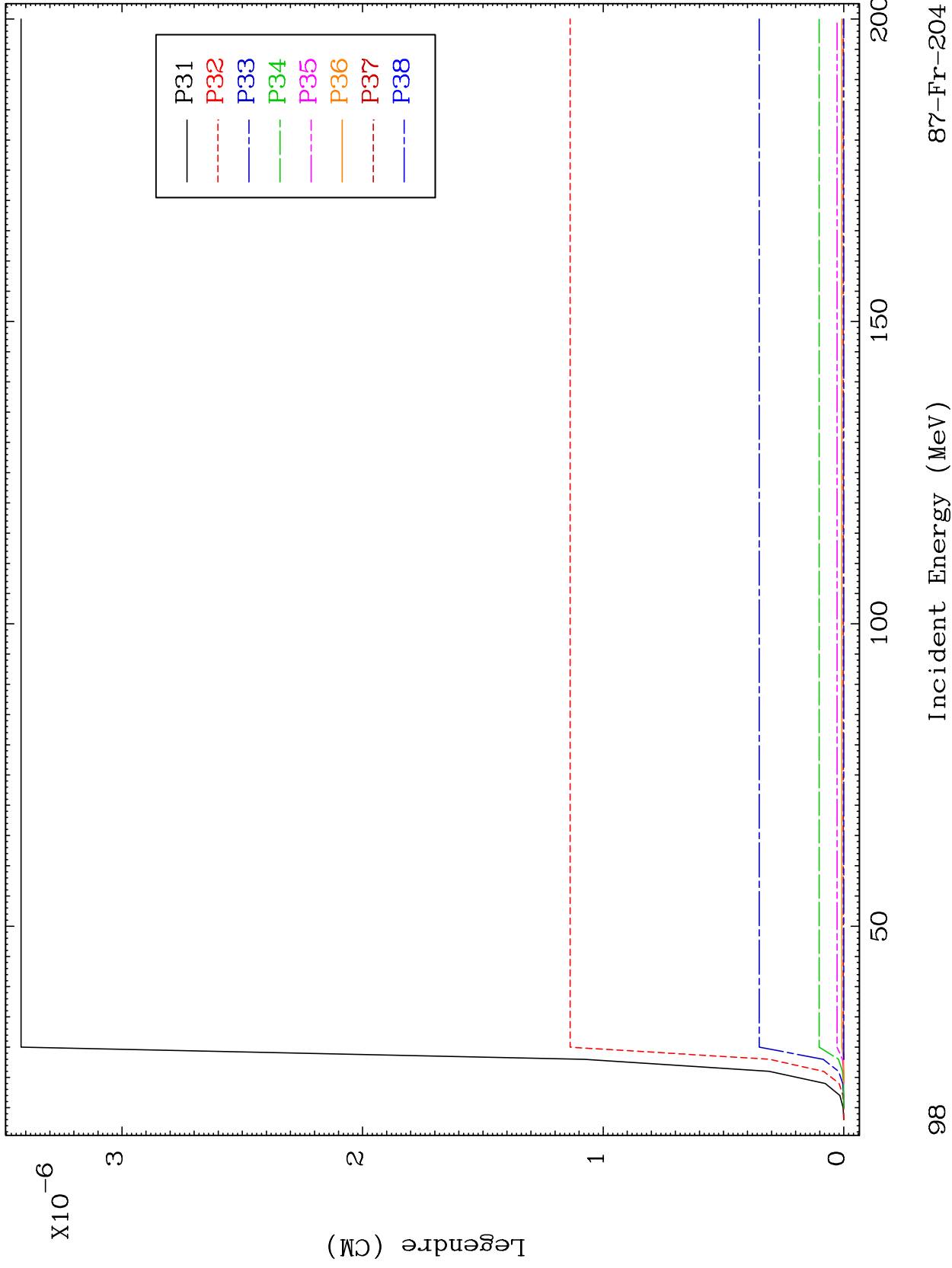
Incident Energy (MeV)

87-Fr-204

MAT 8701

591.5 keV (n,n') Level  
Legendre Coefficients

87-Fr-204

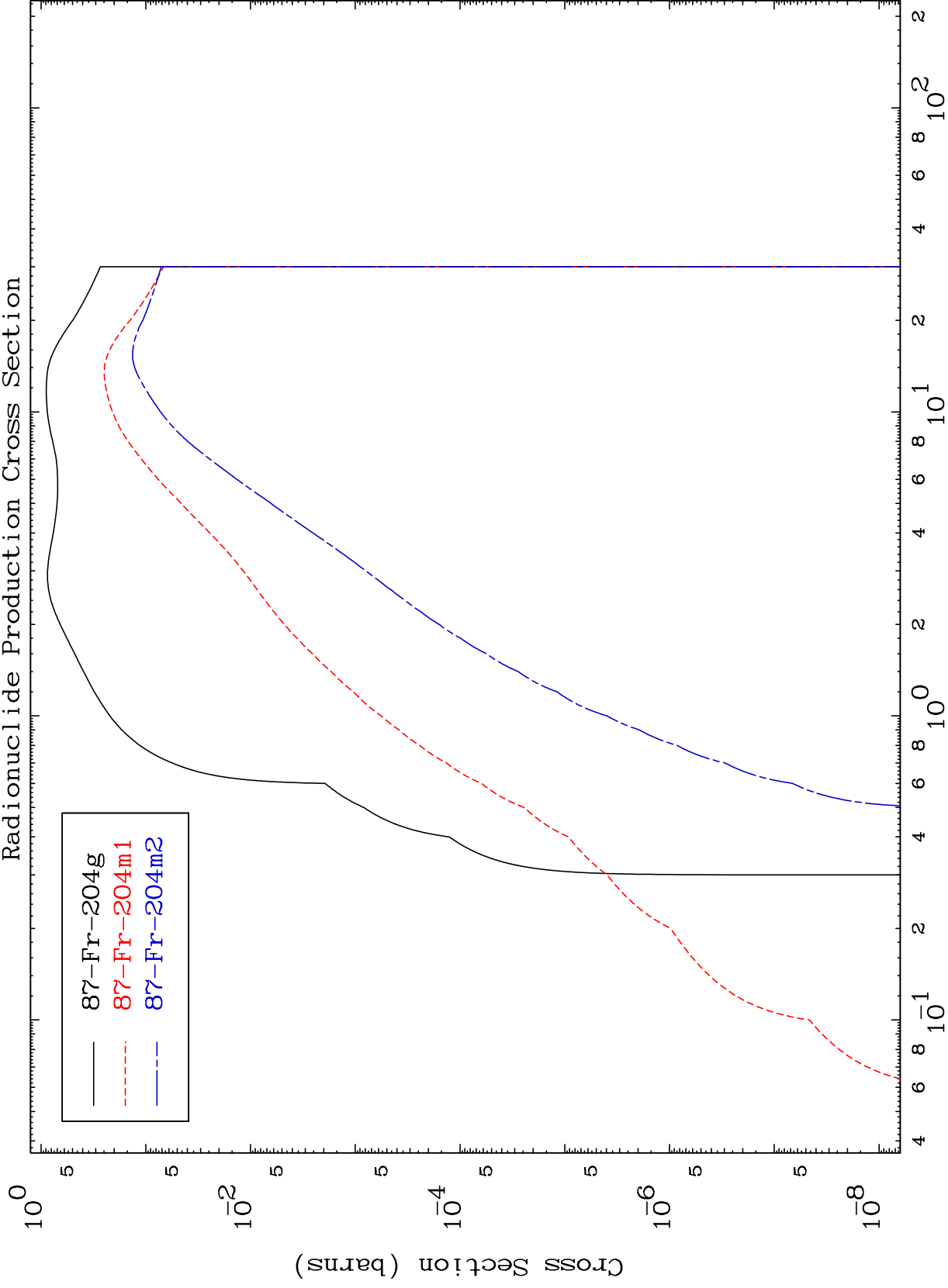


98

MAT 8701

87-Fr-204

Radionuclide Production Cross Section



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

99

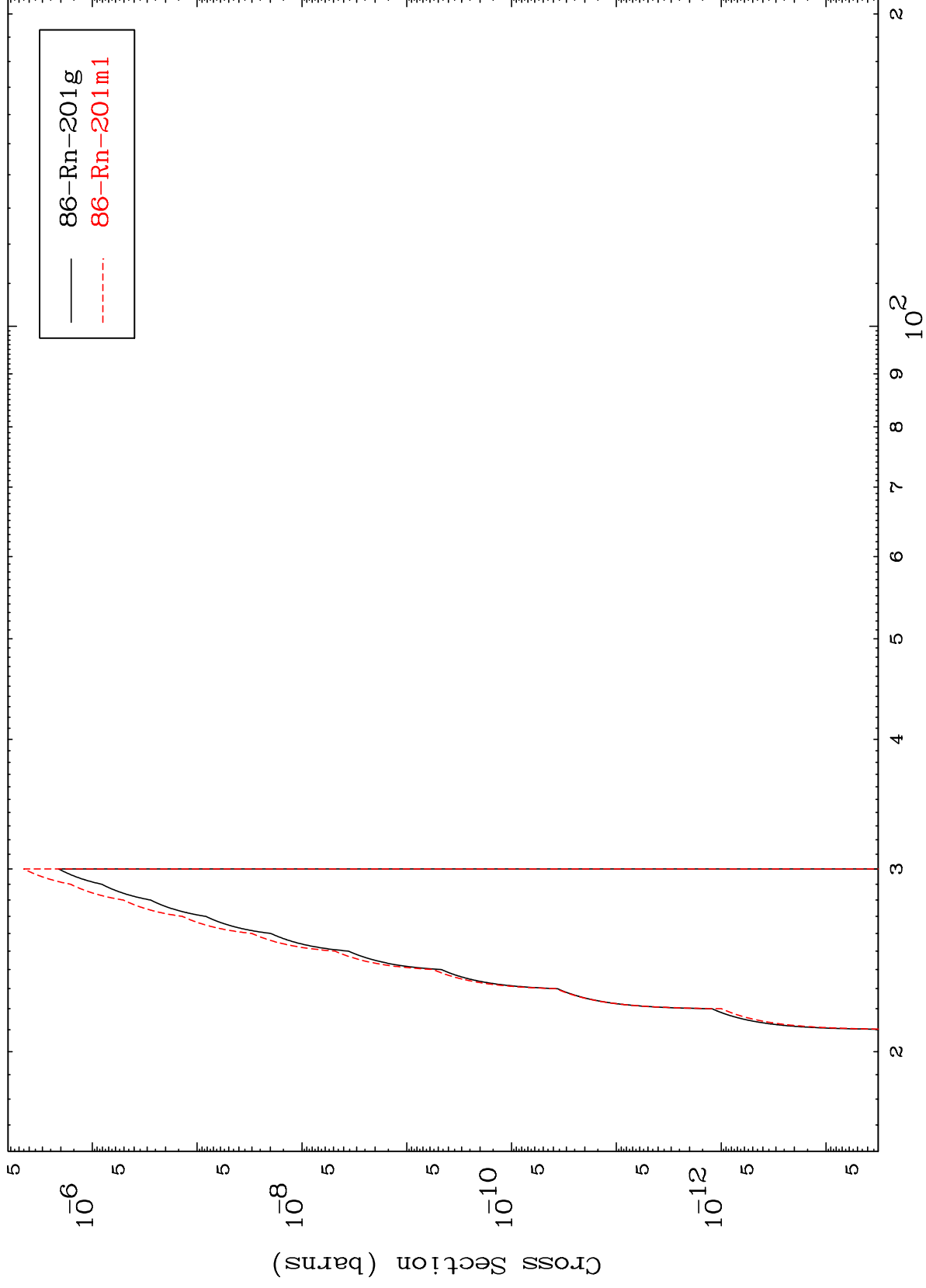
Incident Energy (MeV)

87-Fr-204

MAT 8701

87-Fr-204

(n,2n) d  
Radionuclide Production Cross Section



100

Incident Energy (MeV)

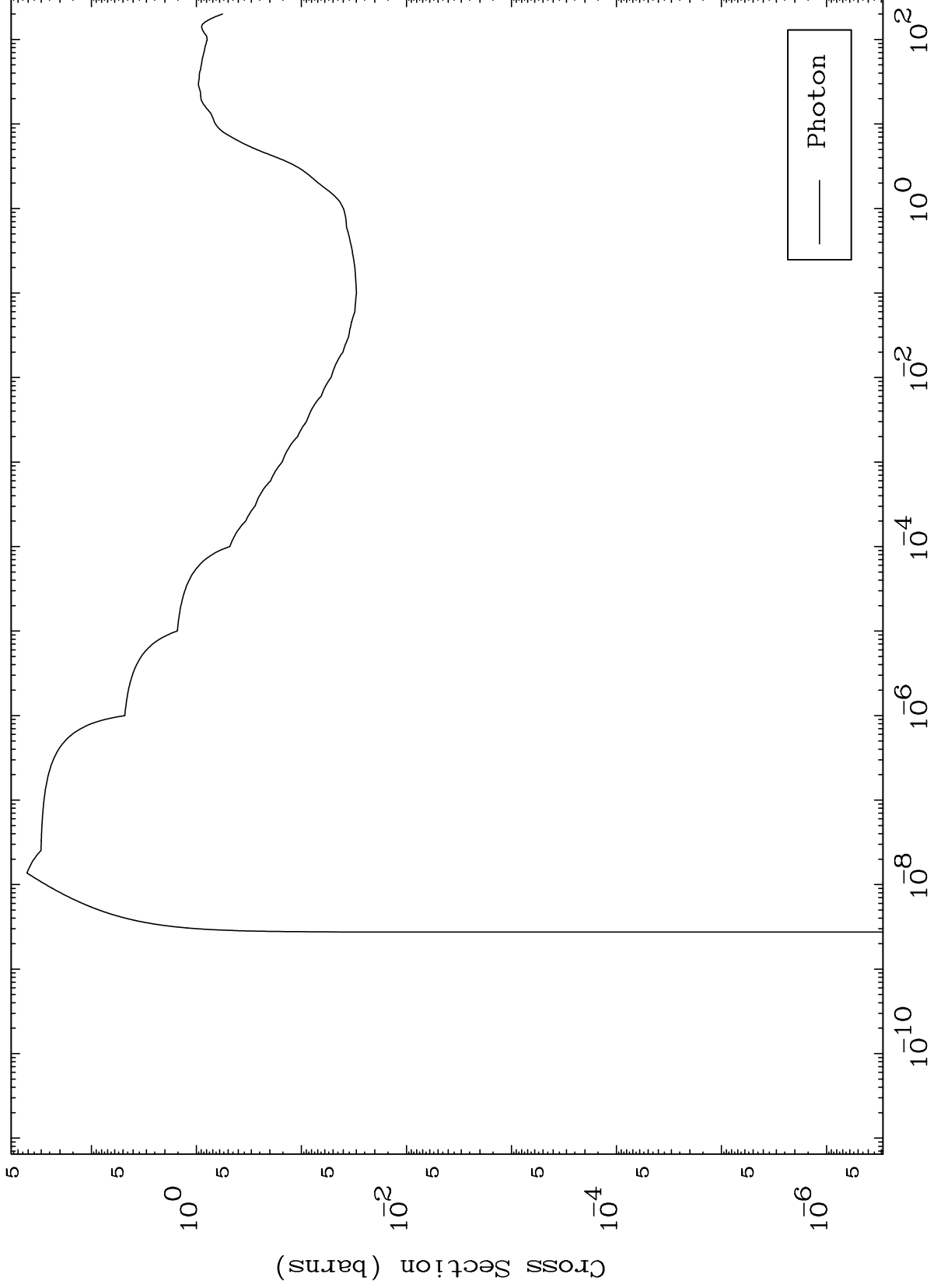
87-Fr-204

MAT 8701

Fission

87-Fr-204

Radionuclide Production Cross Section



101

Incident Energy (MeV)

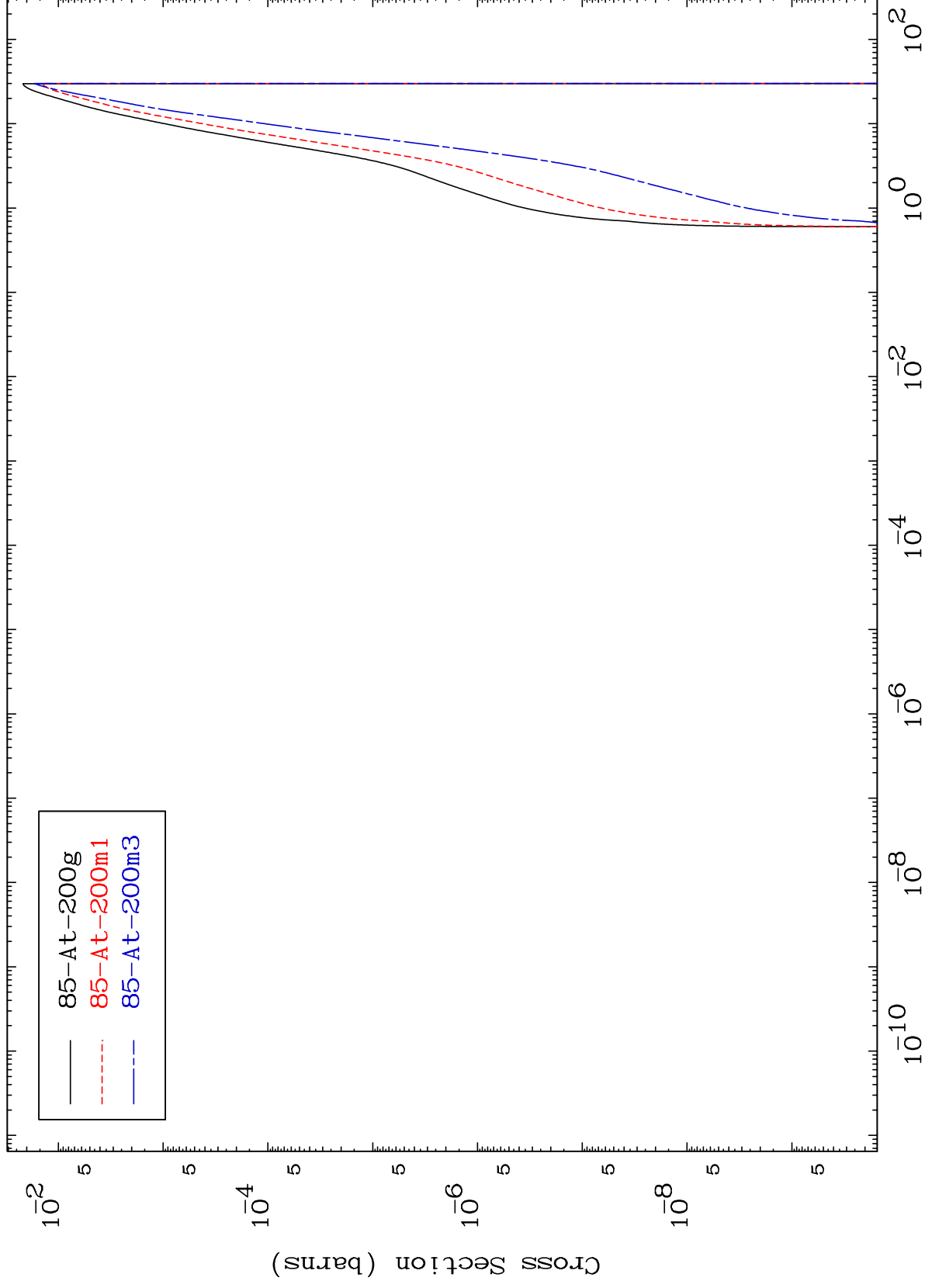
87-Fr-204

MAT 8701

$(n, n') \alpha$

87-Fr-204

Radionuclide Production Cross Section



102

Incident Energy (MeV)

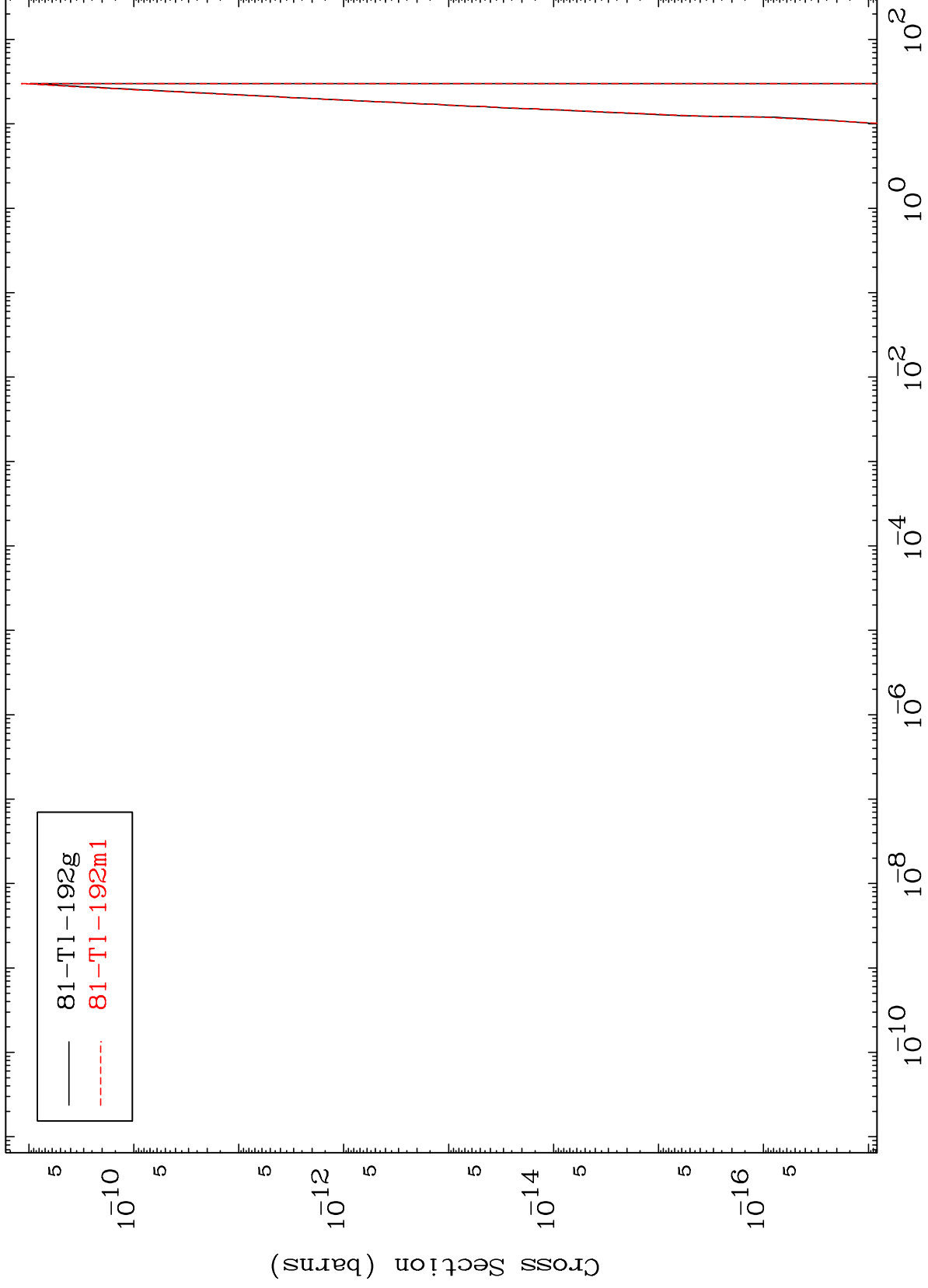
87-Fr-204

MAT 8701

(n,n') 3 $\alpha$

87-Fr-204

Radionuclide Production Cross Section



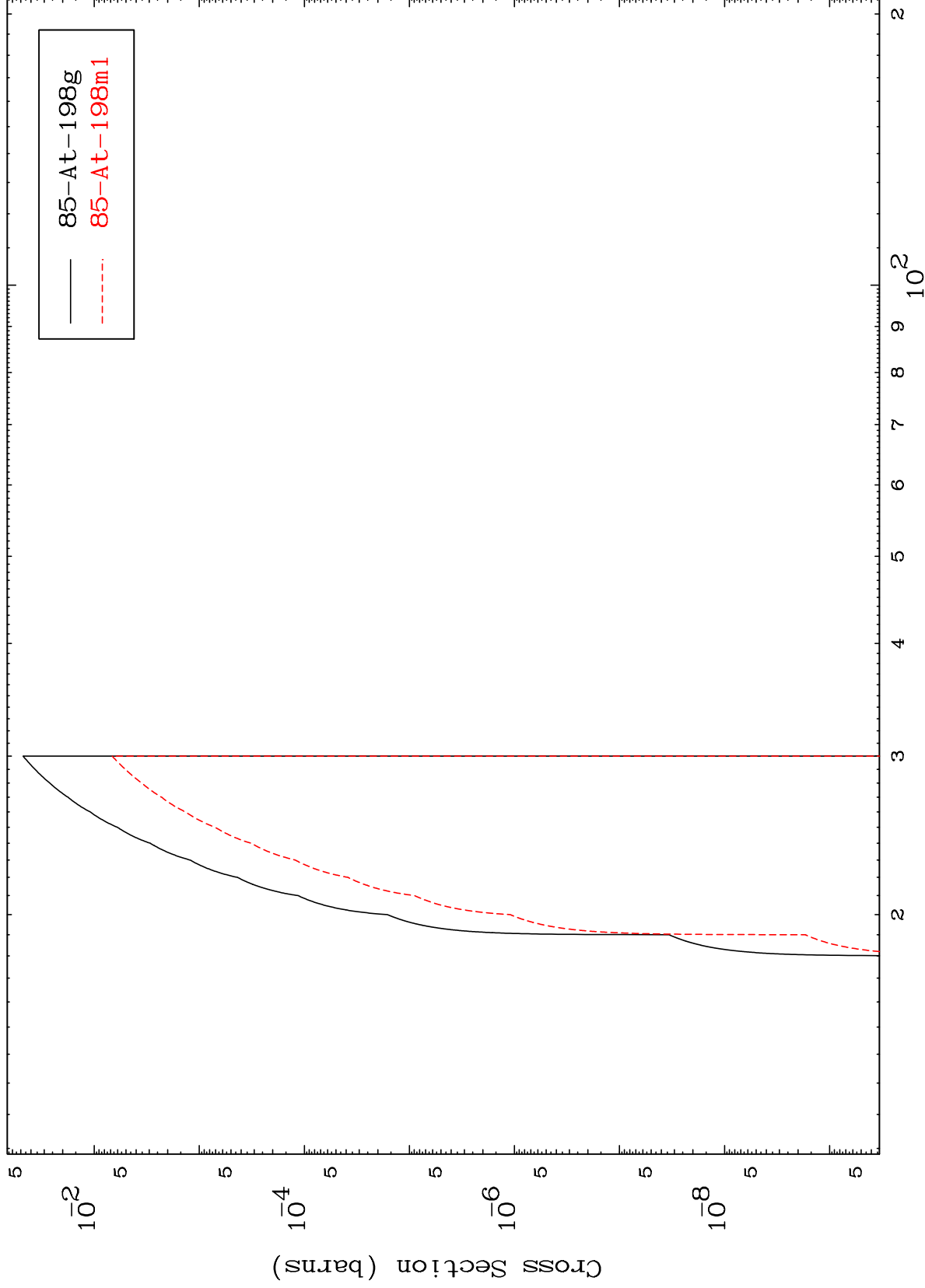


MAT 8701

(n,3n)  $\alpha$

87-Fr-204

Radionuclide Production Cross Section



104

Incident Energy (MeV)

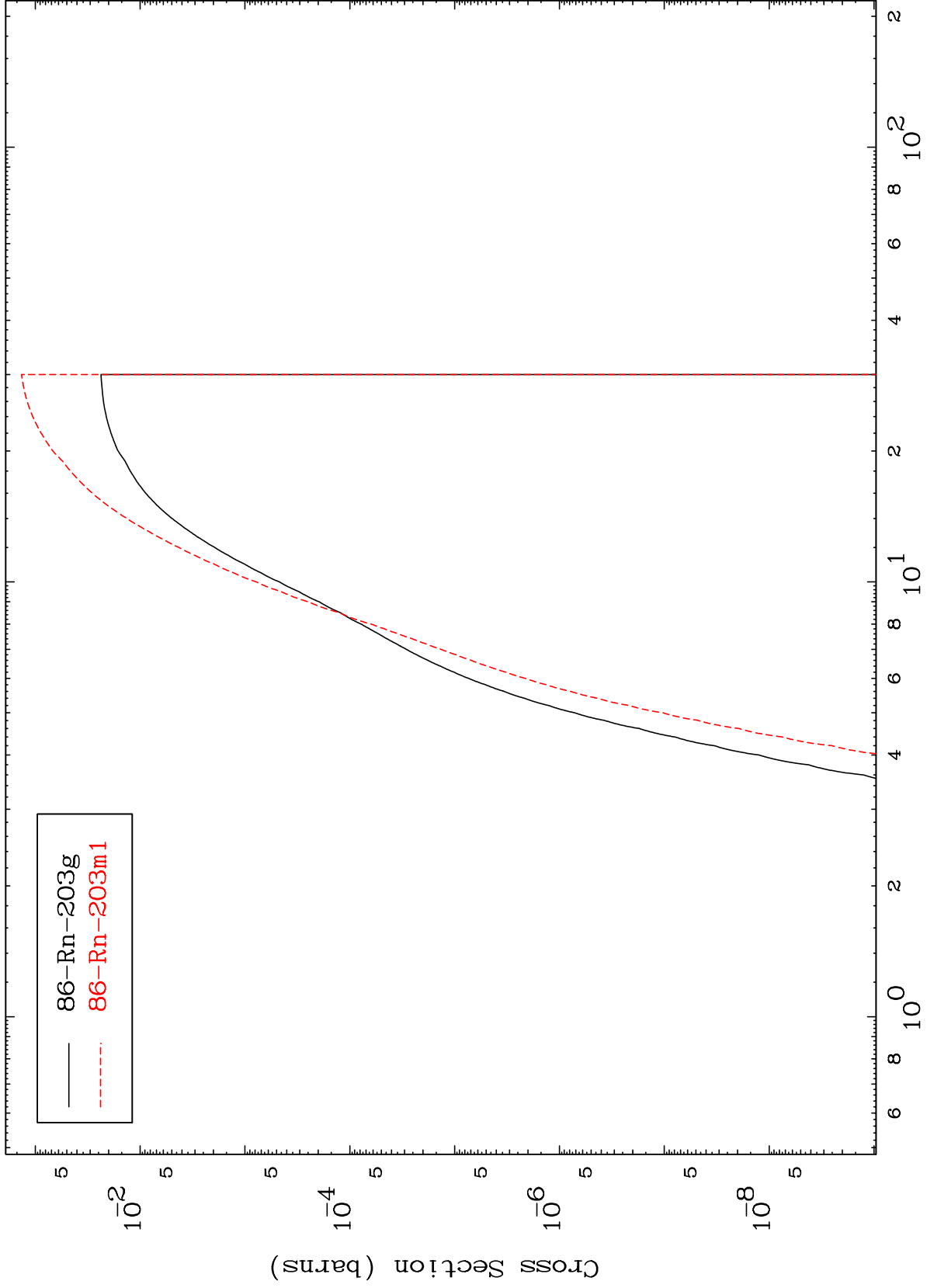
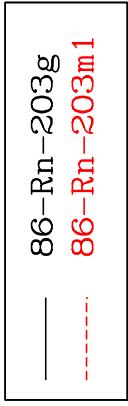
87-Fr-204

MAT 8701

(n,n') p

87-Fr-204

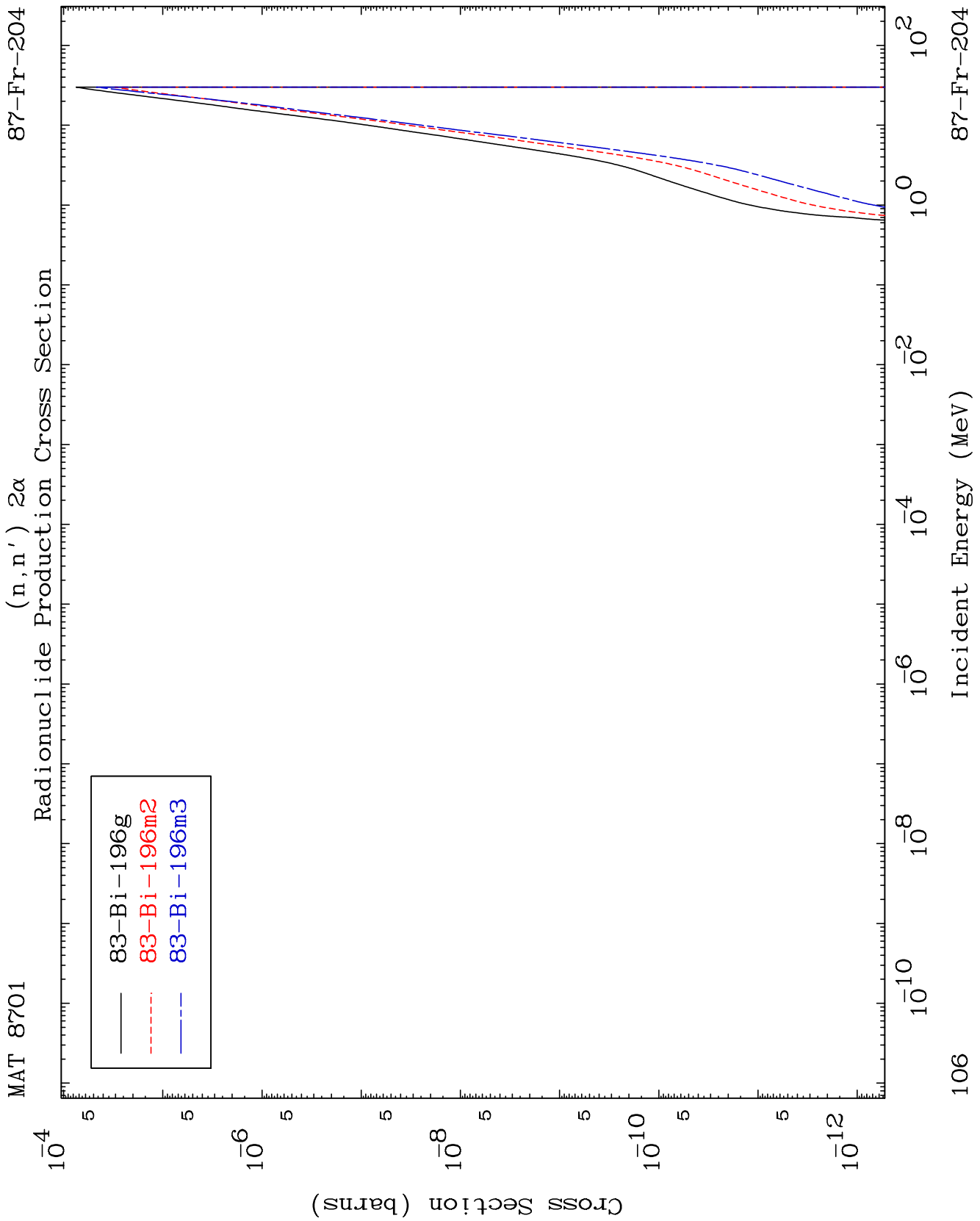
Radionuclide Production Cross Section



105

Incident Energy (MeV)

87-Fr-204

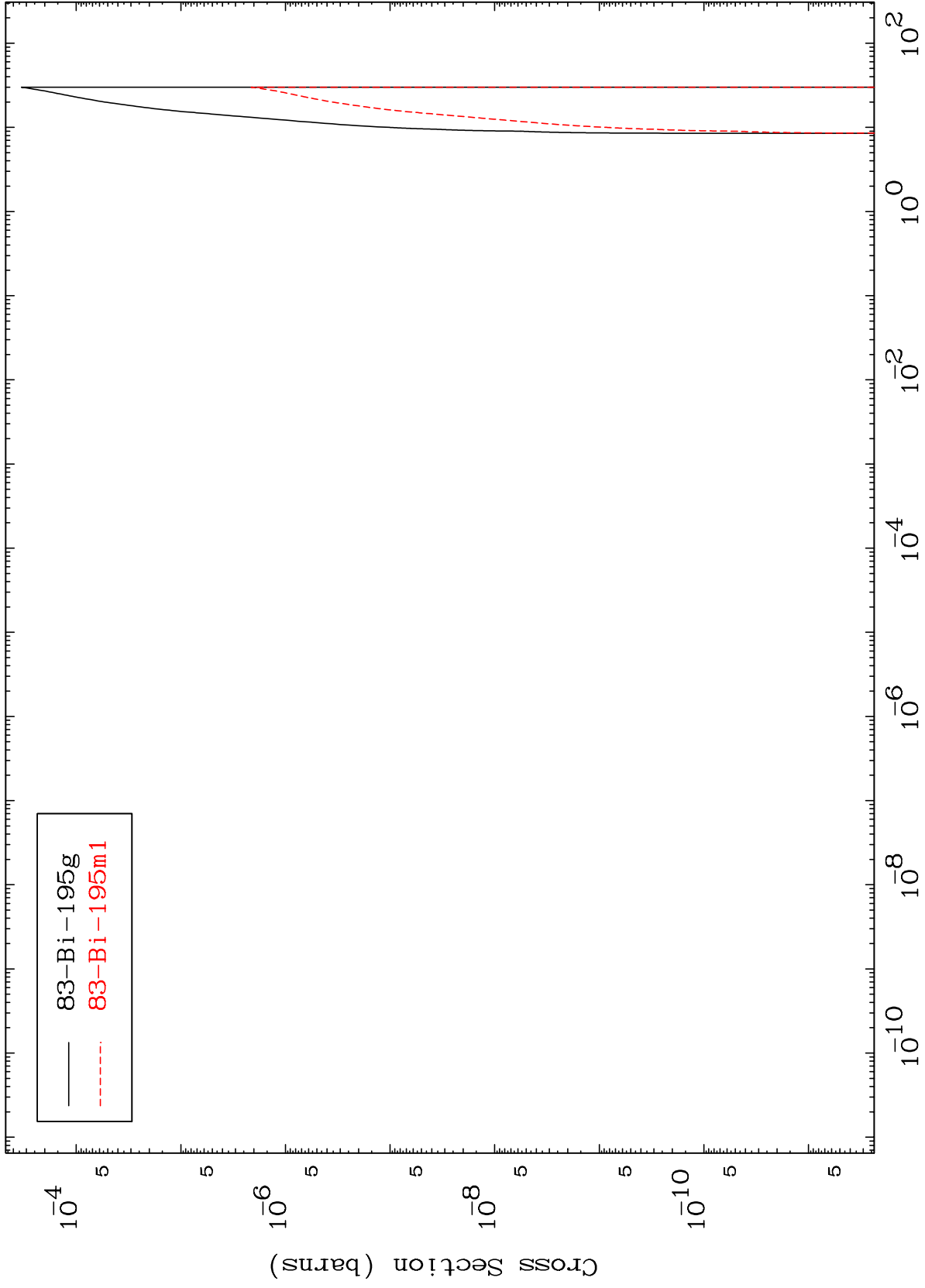


MAT 8701

(n,2n) 2 $\alpha$

87-Fr-204

Radionuclide Production Cross Section



107

Incident Energy (MeV)

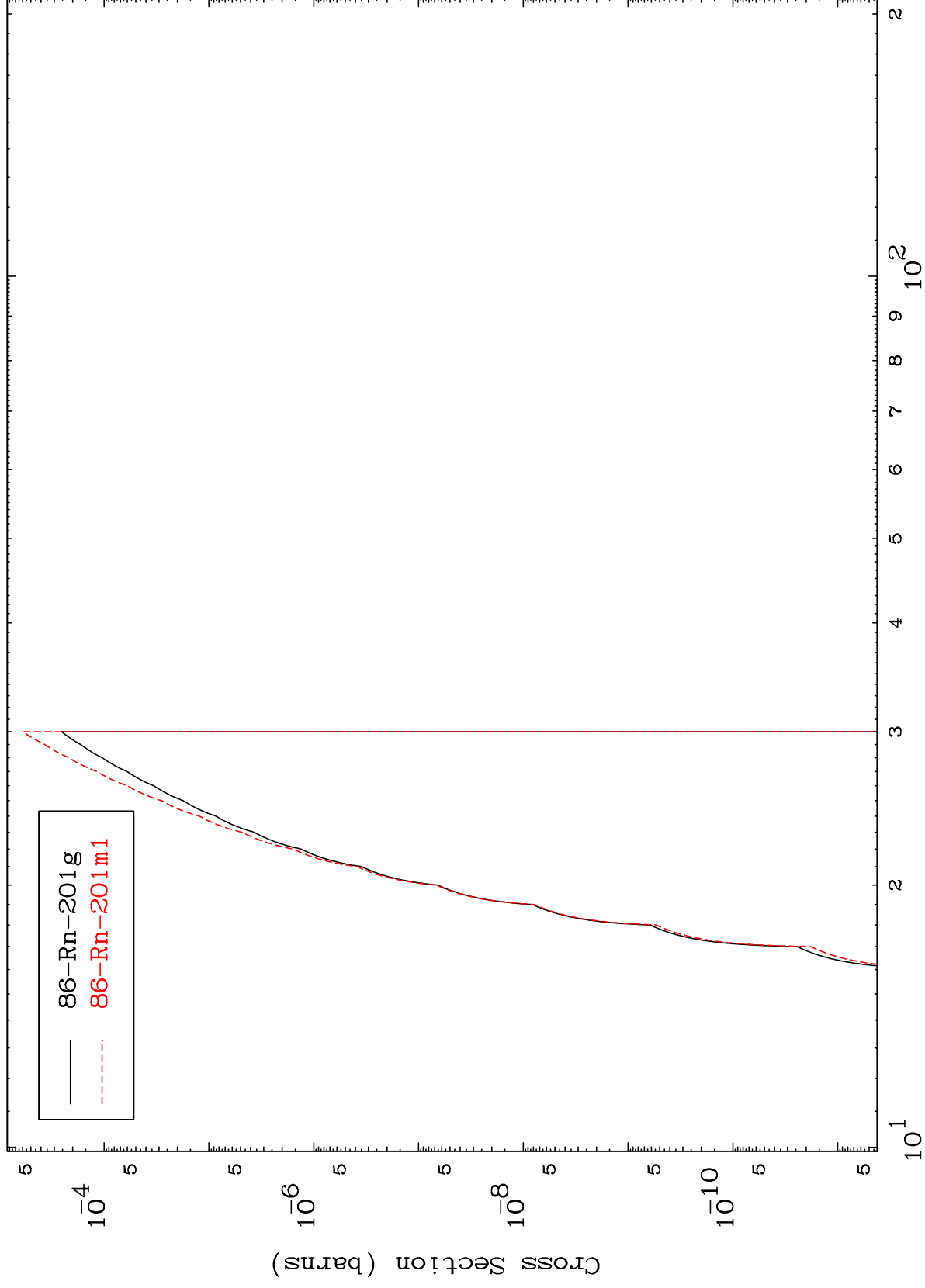
87-Fr-204

MAT 8701

(n,n') t

87-Fr-204

Radionuclide Production Cross Section



Incident Energy (MeV)

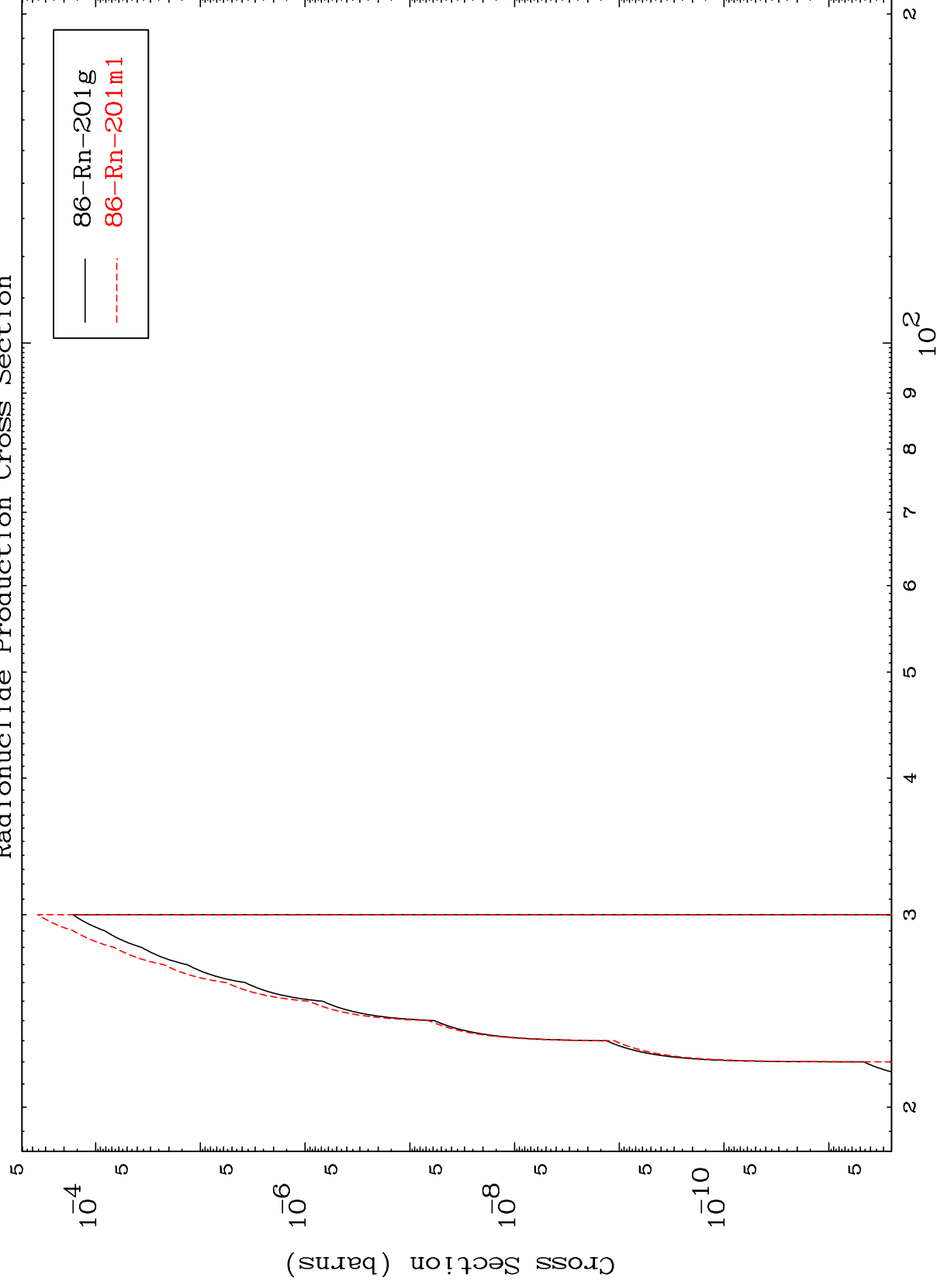
87-Fr-204

108

MAT 8701

87-Fr-204

(n,3n) p  
Radionuclide Production Cross Section



109

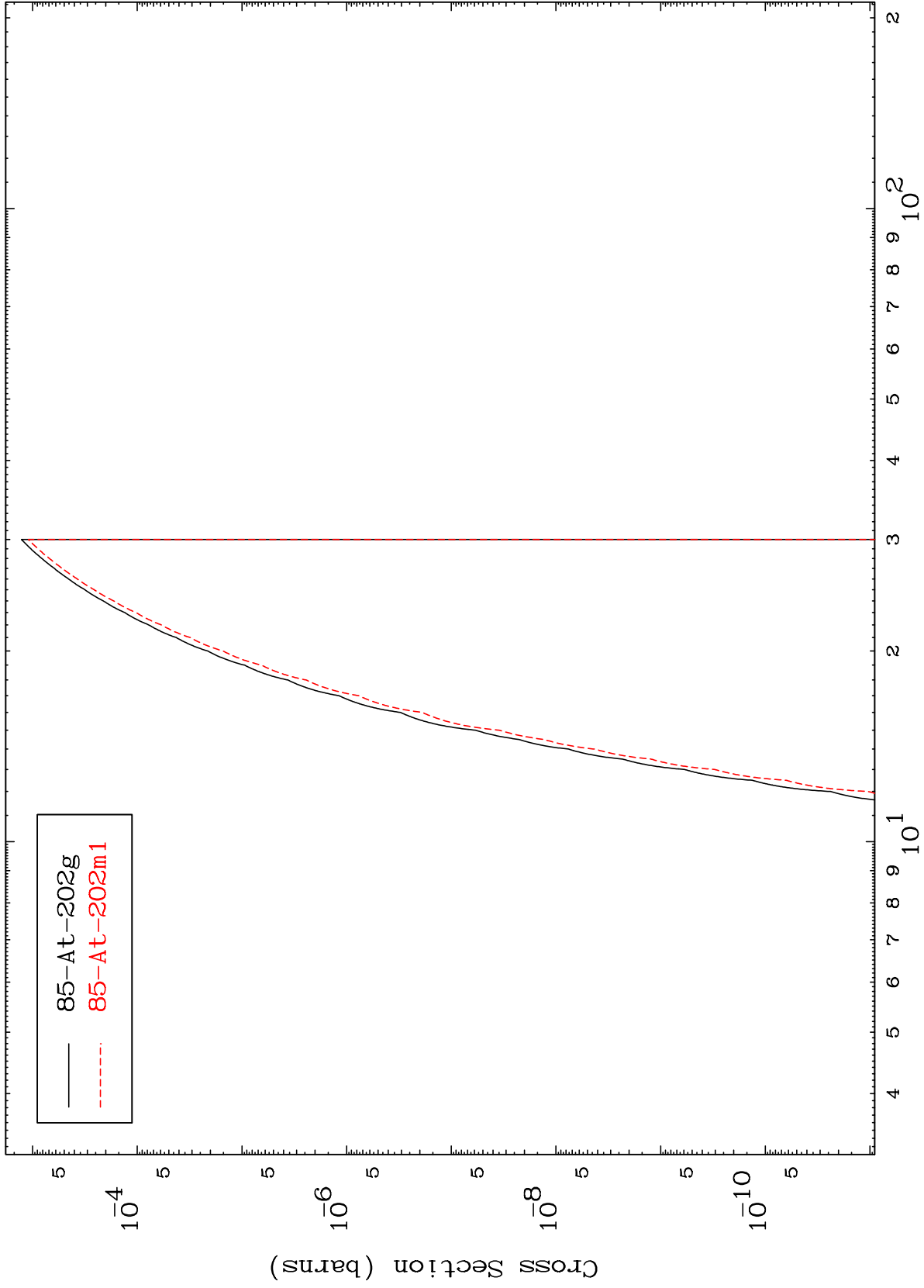
Incident Energy (MeV)

87-Fr-204

MAT 8701

87-Fr-204

(n,2n) p  
Radionuclide Production Cross Section



110

Incident Energy (MeV)

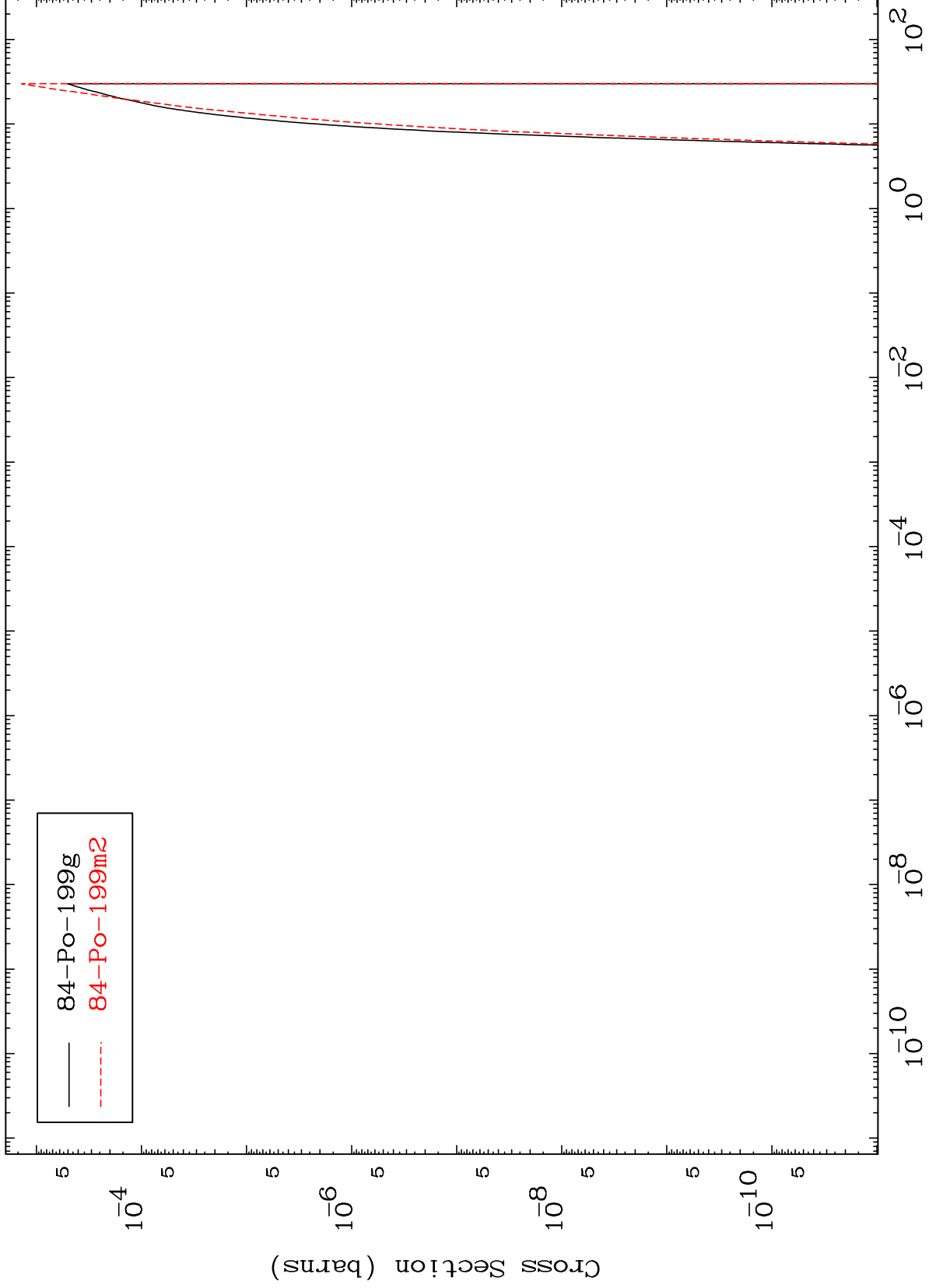
87-Fr-204

MAT 8701

(n,n') p  $\alpha$

87-Fr-204

Radionuclide Production Cross Section



111

Incident Energy (MeV)

87-Fr-204

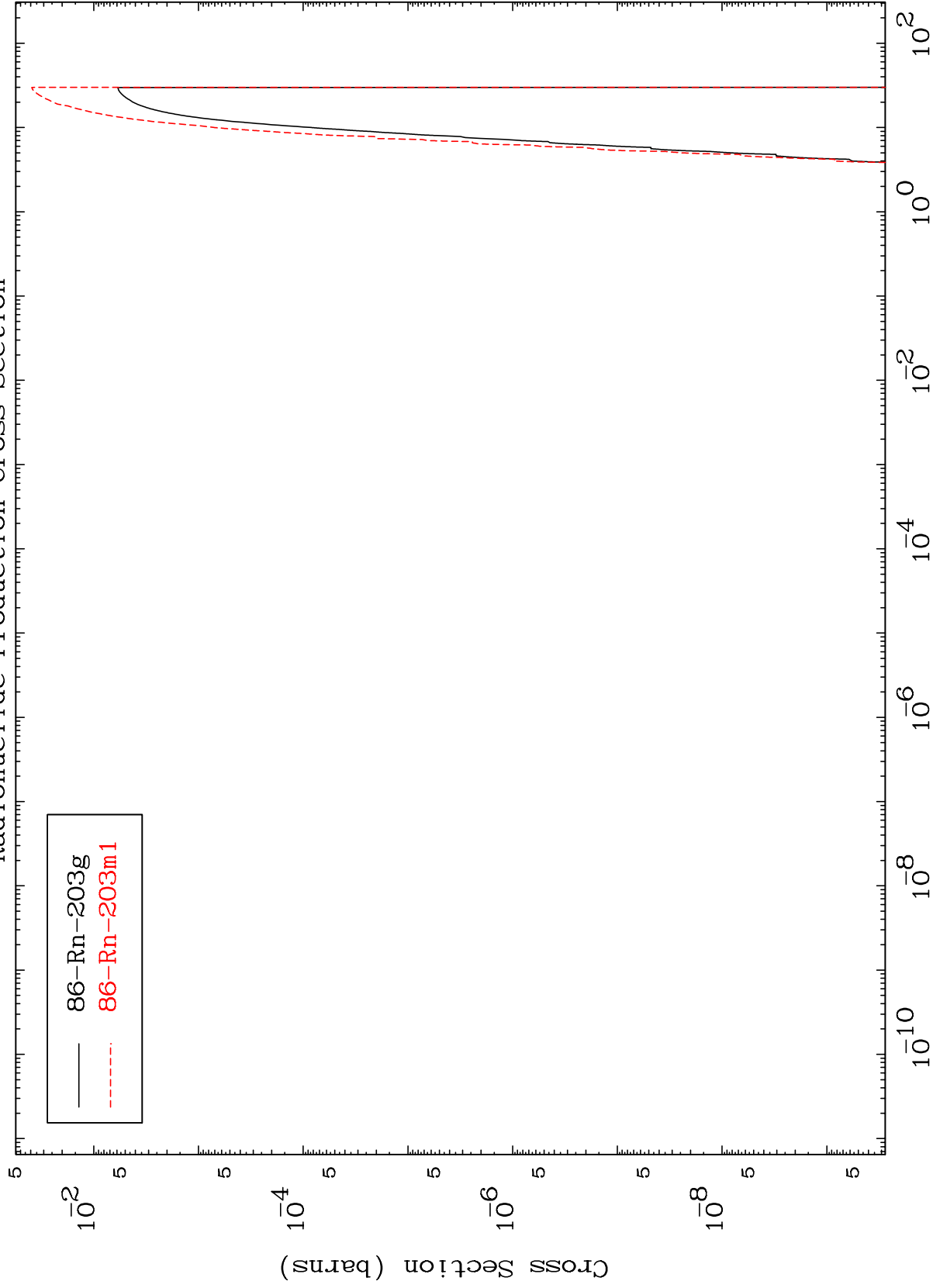


MAT 8701

(n,d)

87-Fr-204

Radionuclide Production Cross Section



112

Incident Energy (MeV)

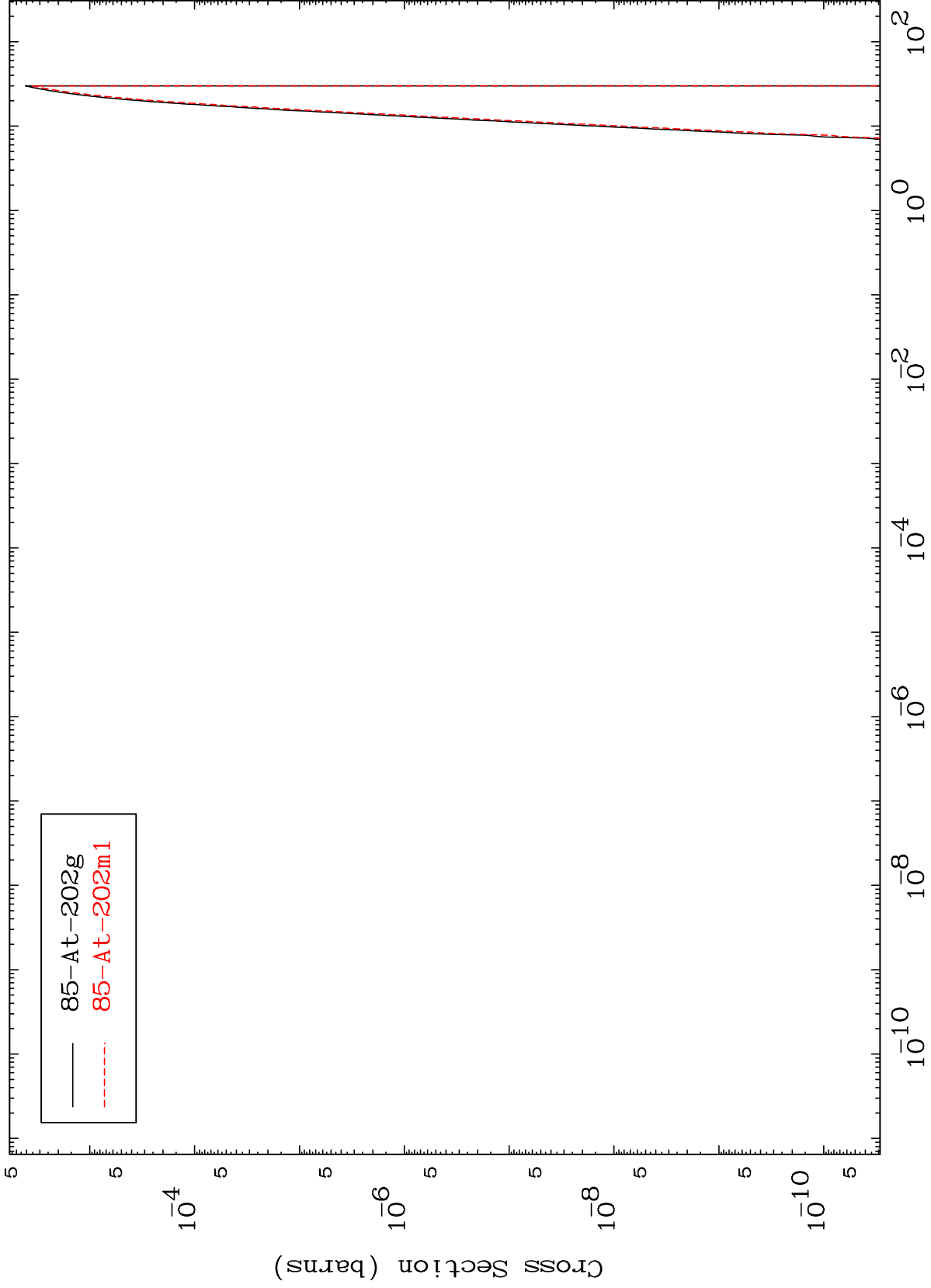
87-Fr-204

MAT 8701

(n,He-3)

87-Fr-204

Radionuclide Production Cross Section

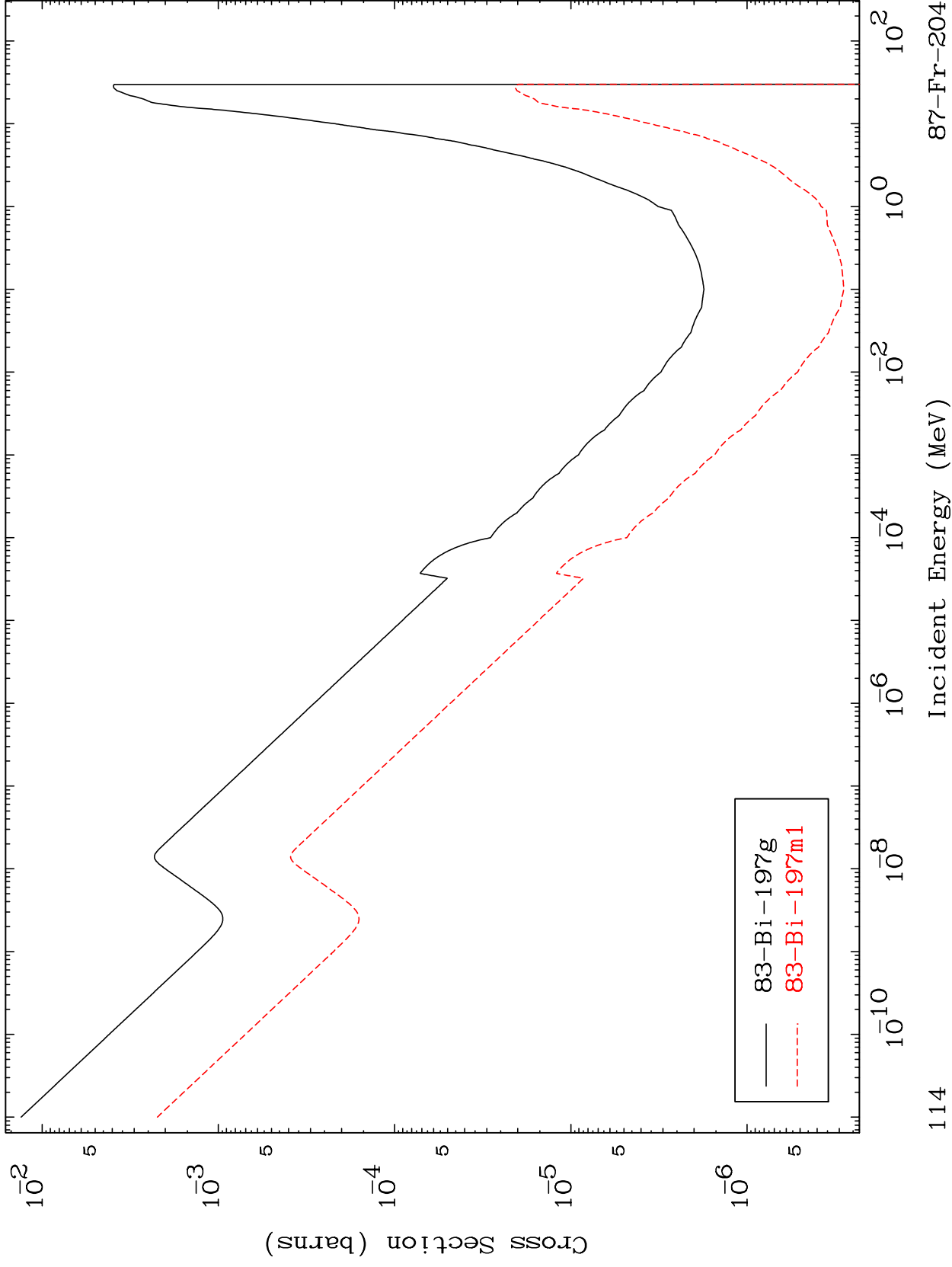


85-At-202g  
85-At-202m1

MAT 8701

87-Fr-204

(n,2α)  
Radionuclide Production Cross Section

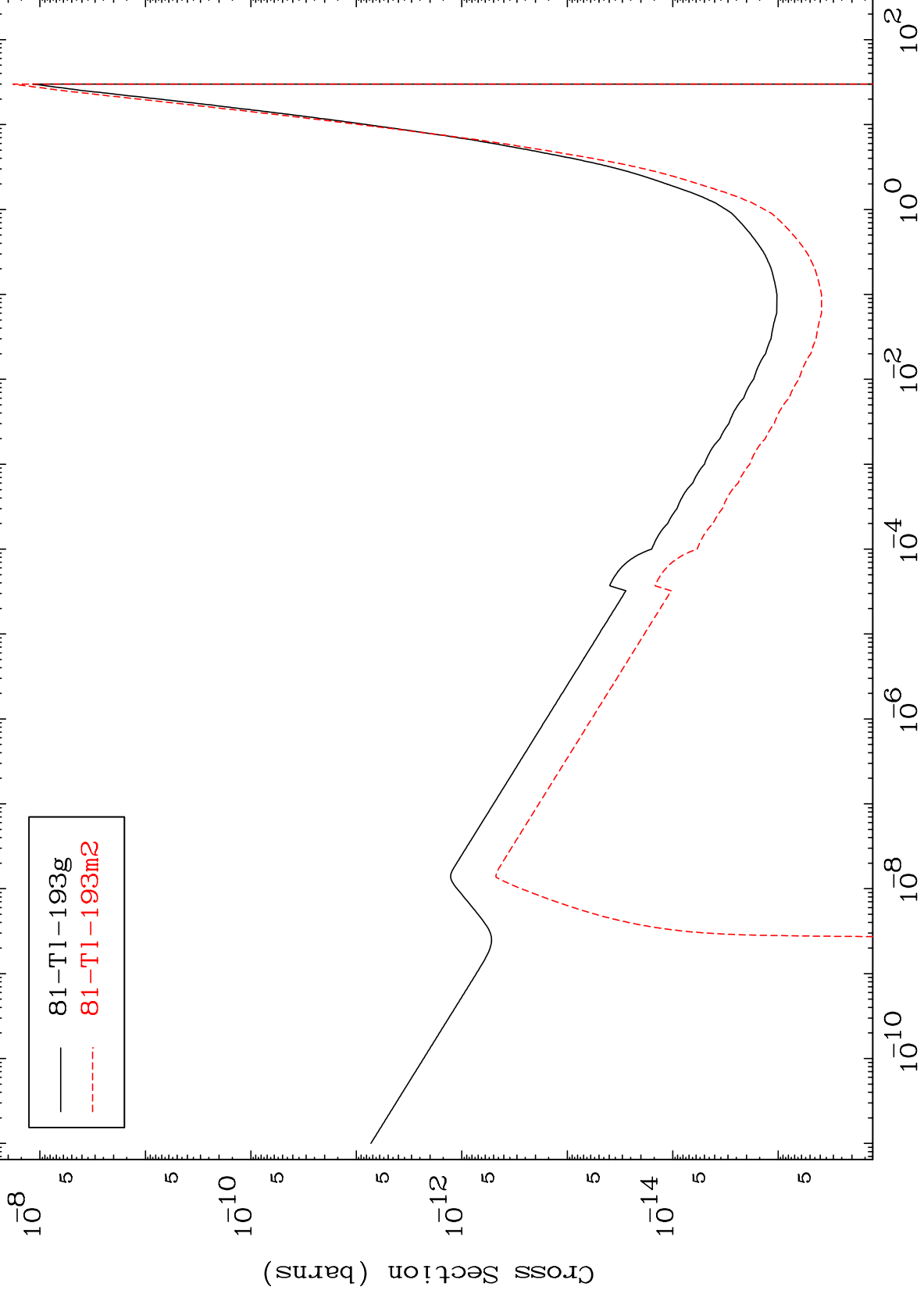


MAT 8701

(n,3α)

87-Fr-204

Radionuclide Production Cross Section



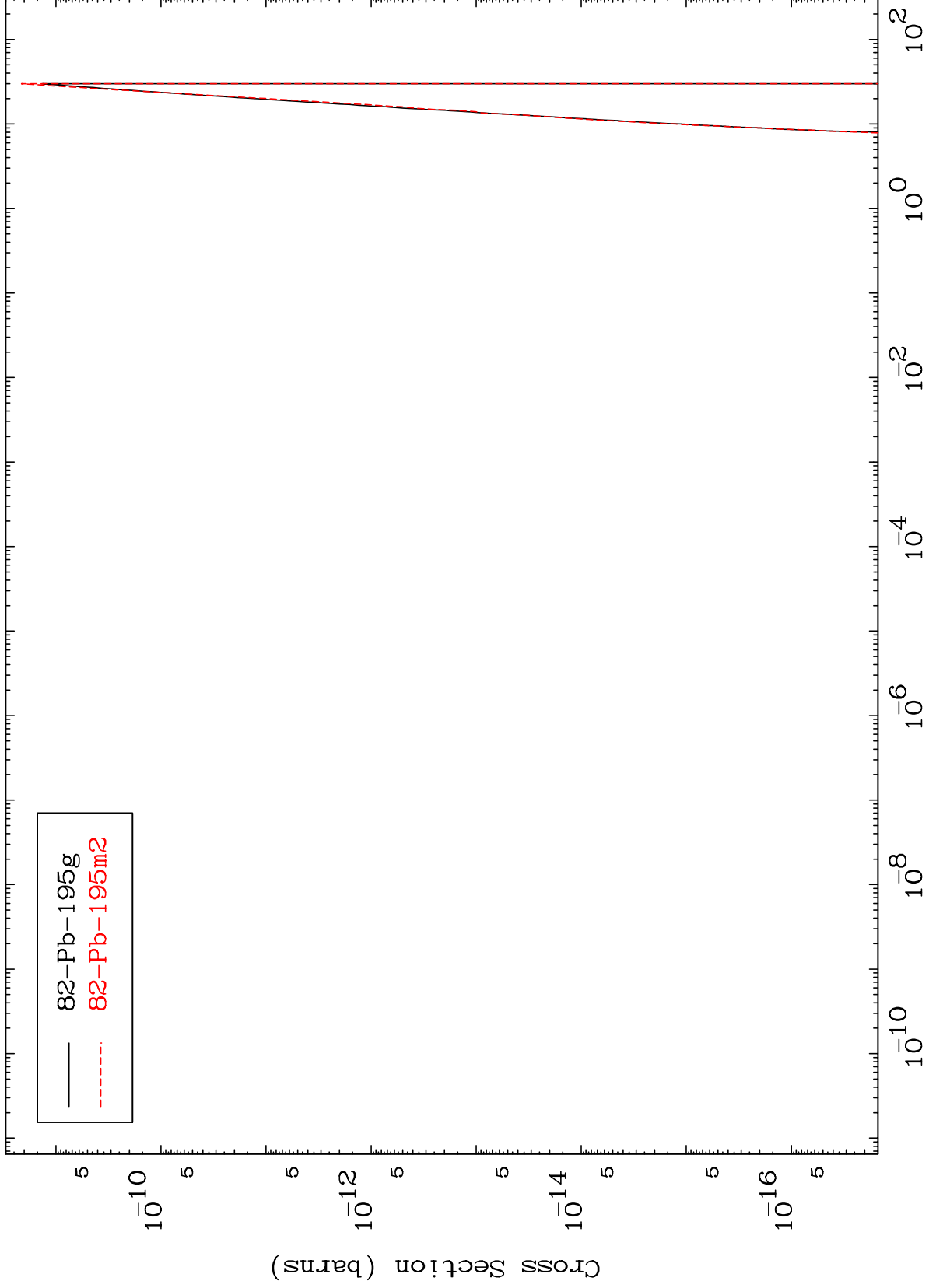
81-Tl-193g  
81-Tl-193m2

MAT 8701

(n,d)  $2\alpha$

87-Fr-204

Radionuclide Production Cross Section

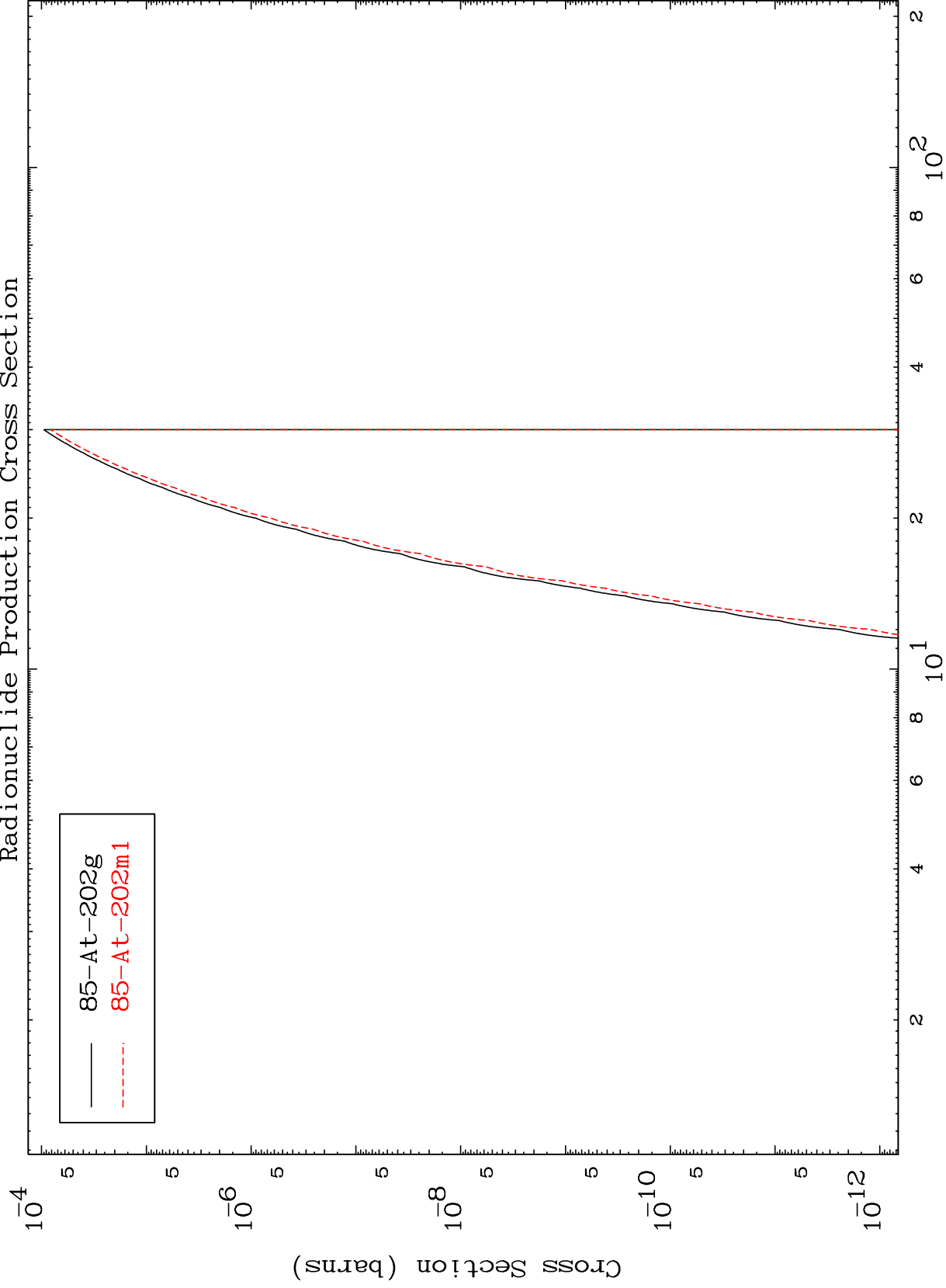


MAT 8701

(n,p) d

87-Fr-204

Radionuclide Production Cross Section



117

Incident Energy (MeV)

87-Fr-204

MAT 8701

(n,d)  $\alpha$

87-Fr-204

Radionuclide Production Cross Section

