

Program EVALPLOT  
(Version 2015-2)

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:home.comcast.net/~redcullen1

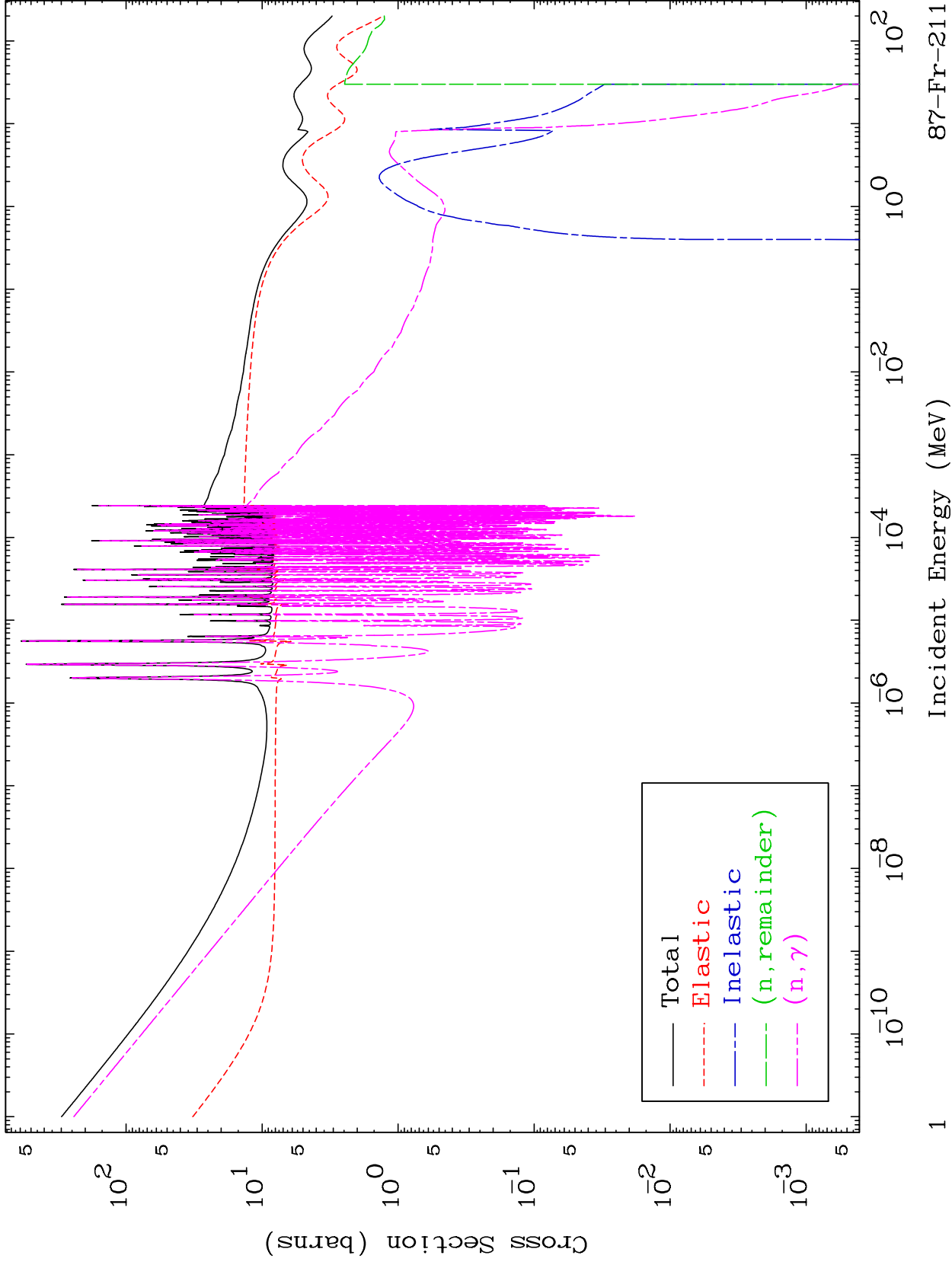
Press Mouse Button to Start

MAT 8722

Major

293 Kelvin Cross Sections

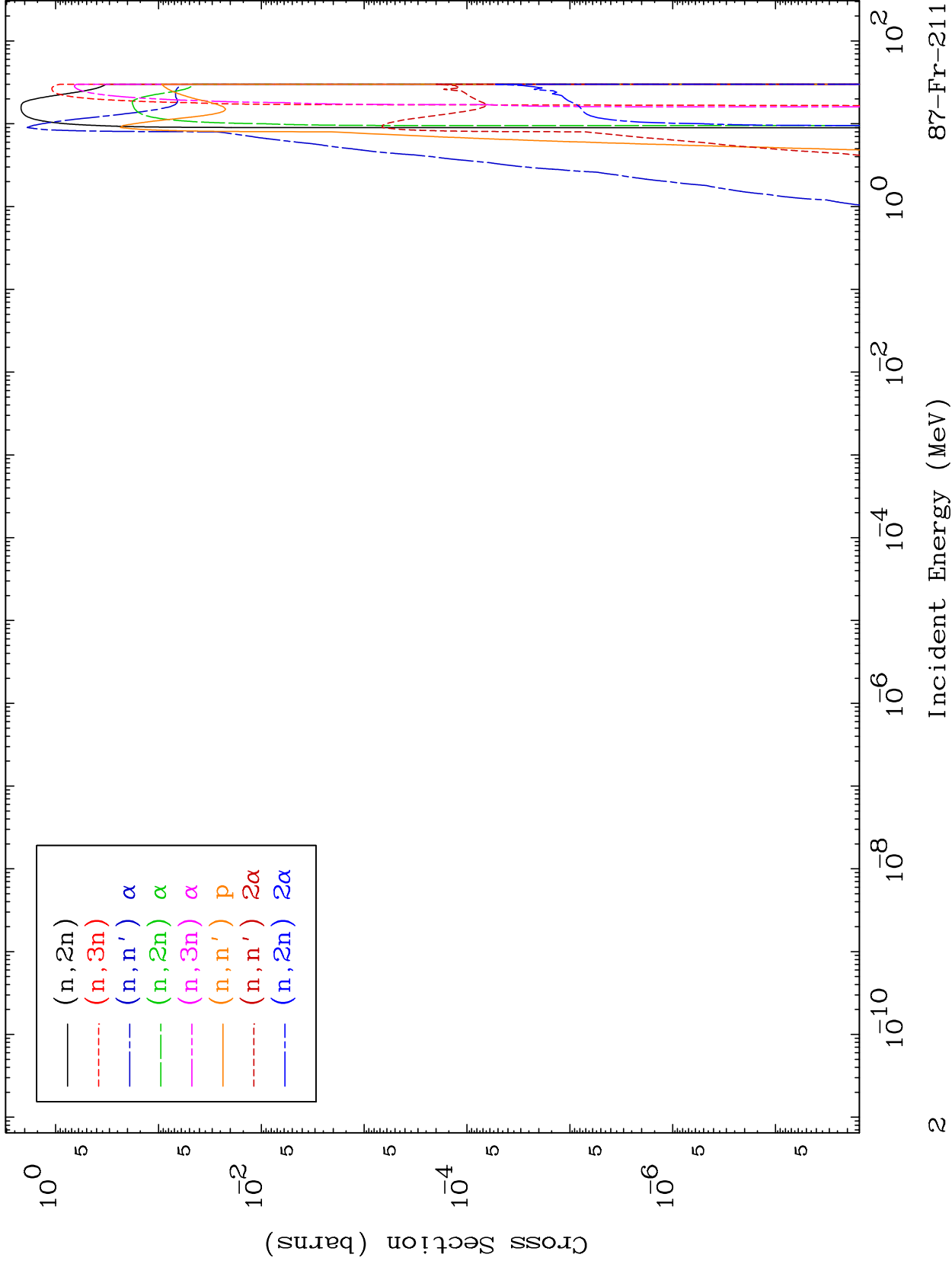
87-Fr-211



MAT 8722

Neutron Production  
293 Kelvin Cross Sections

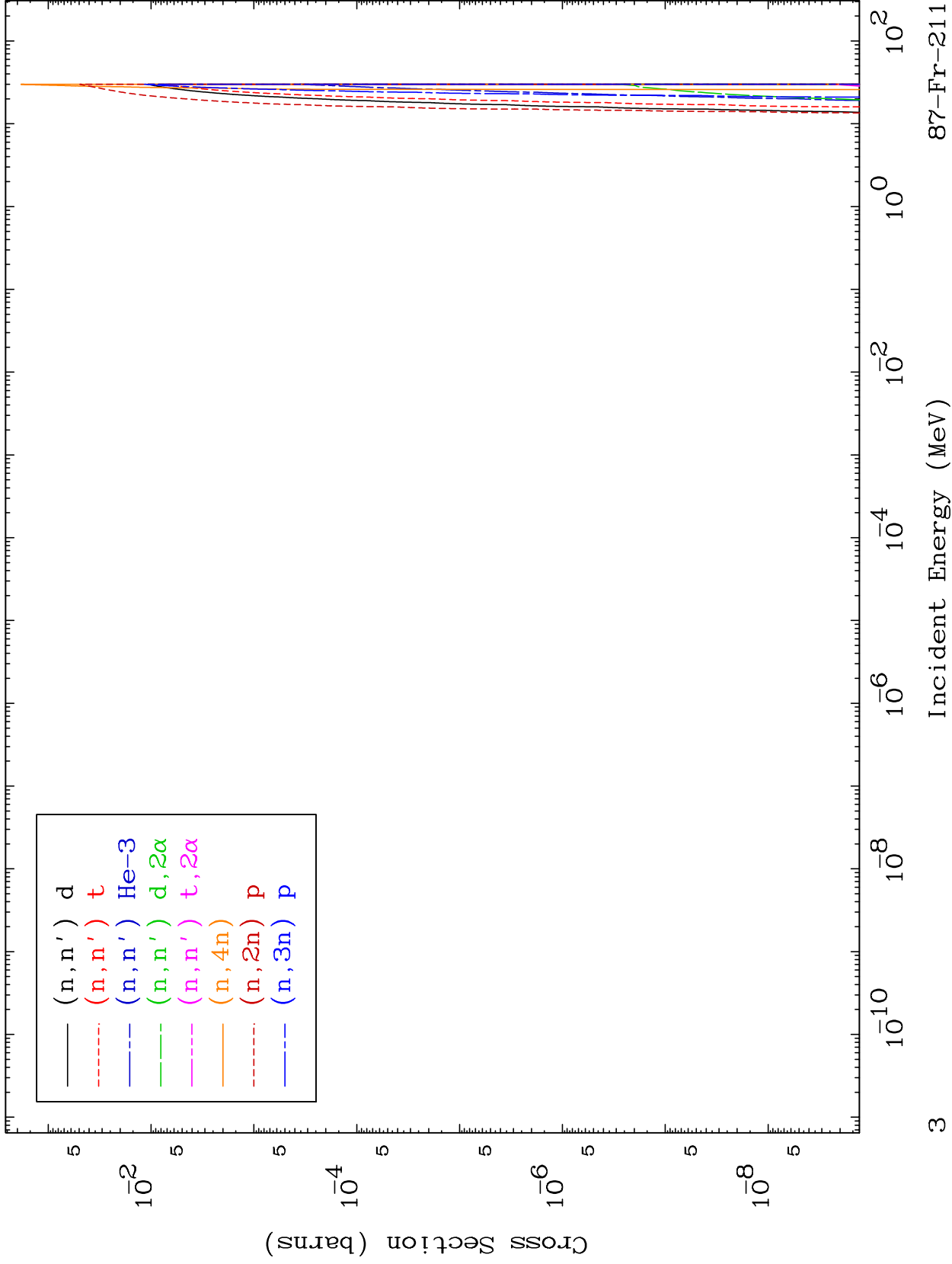
87-Fr-211



MAT 8722

Neutron Production  
293 Kelvin Cross Sections

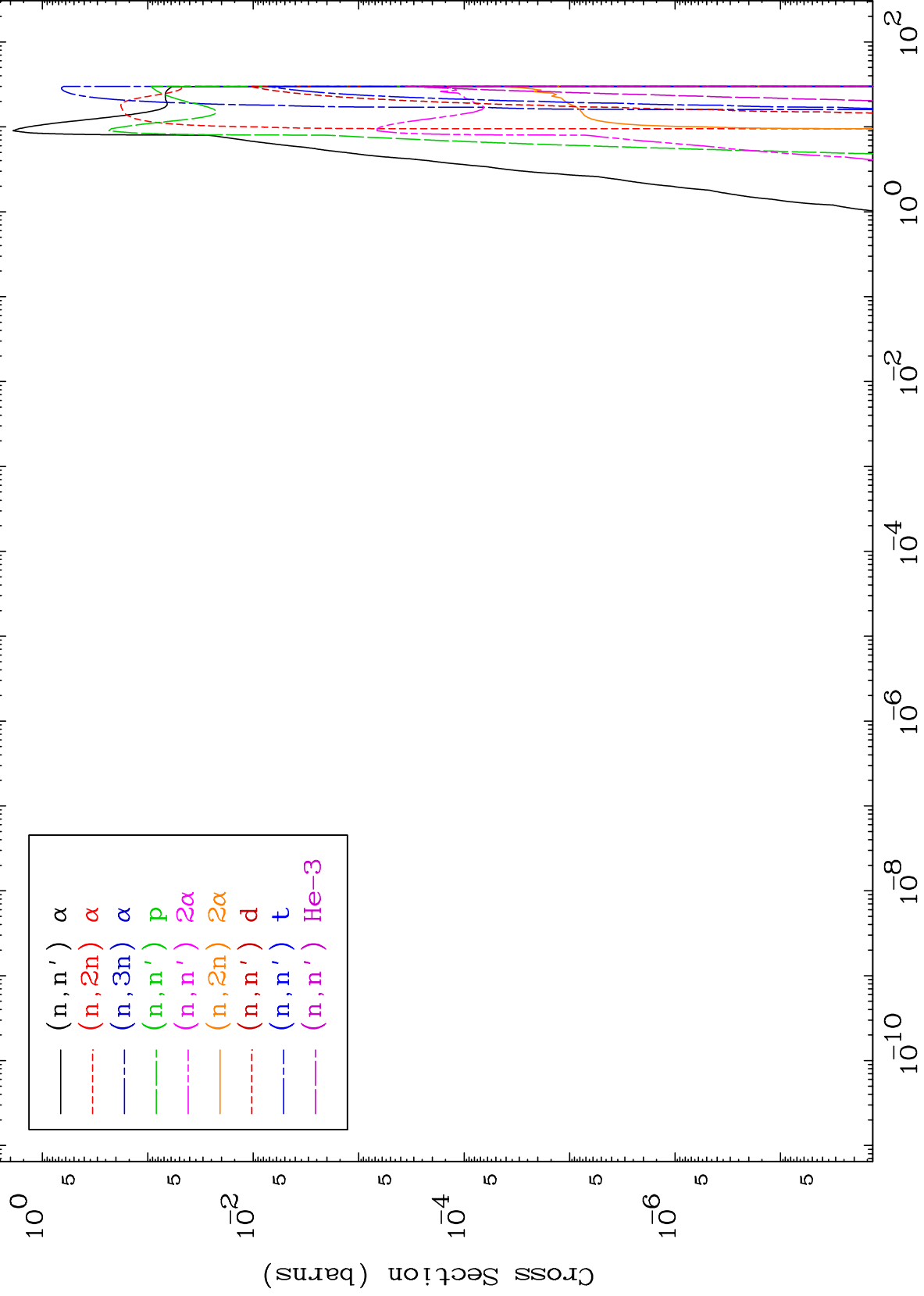
87-Fr-211

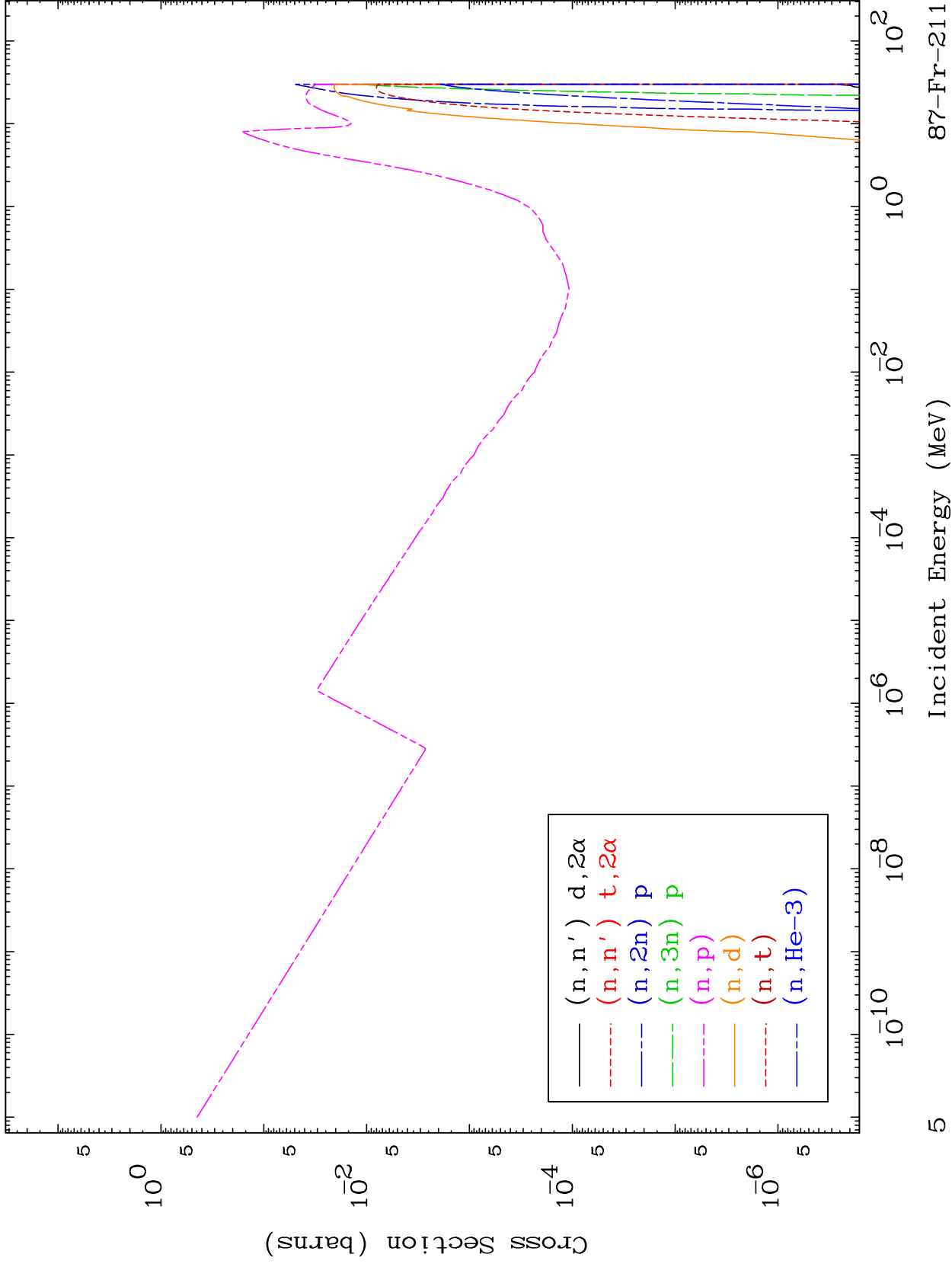


MAT 8722

Charged Particle  
293 Kelvin Cross Sections

87-Fr-211

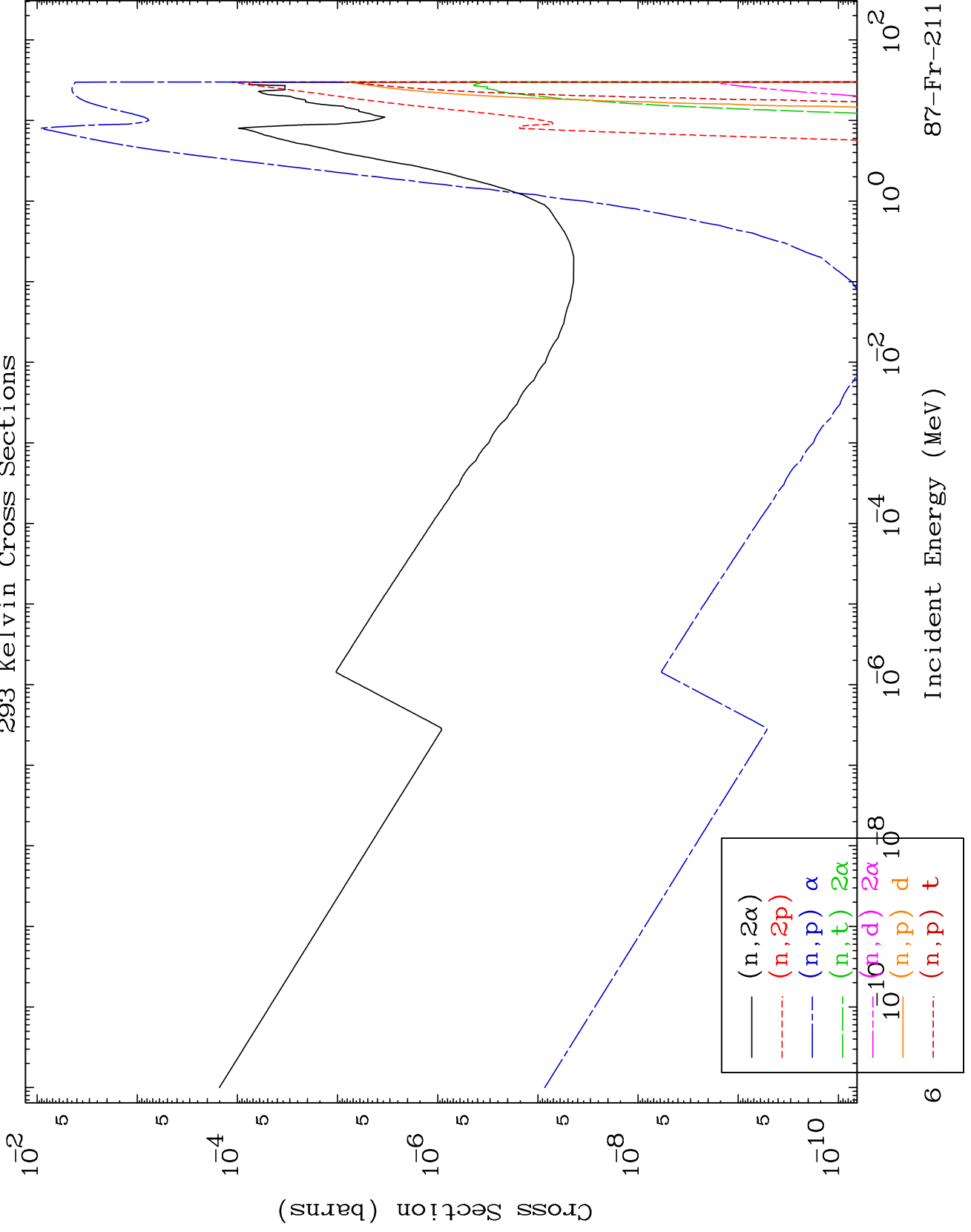




MAT 8722

Charged Particle  
293 Kelvin Cross Sections

87-Fr-211

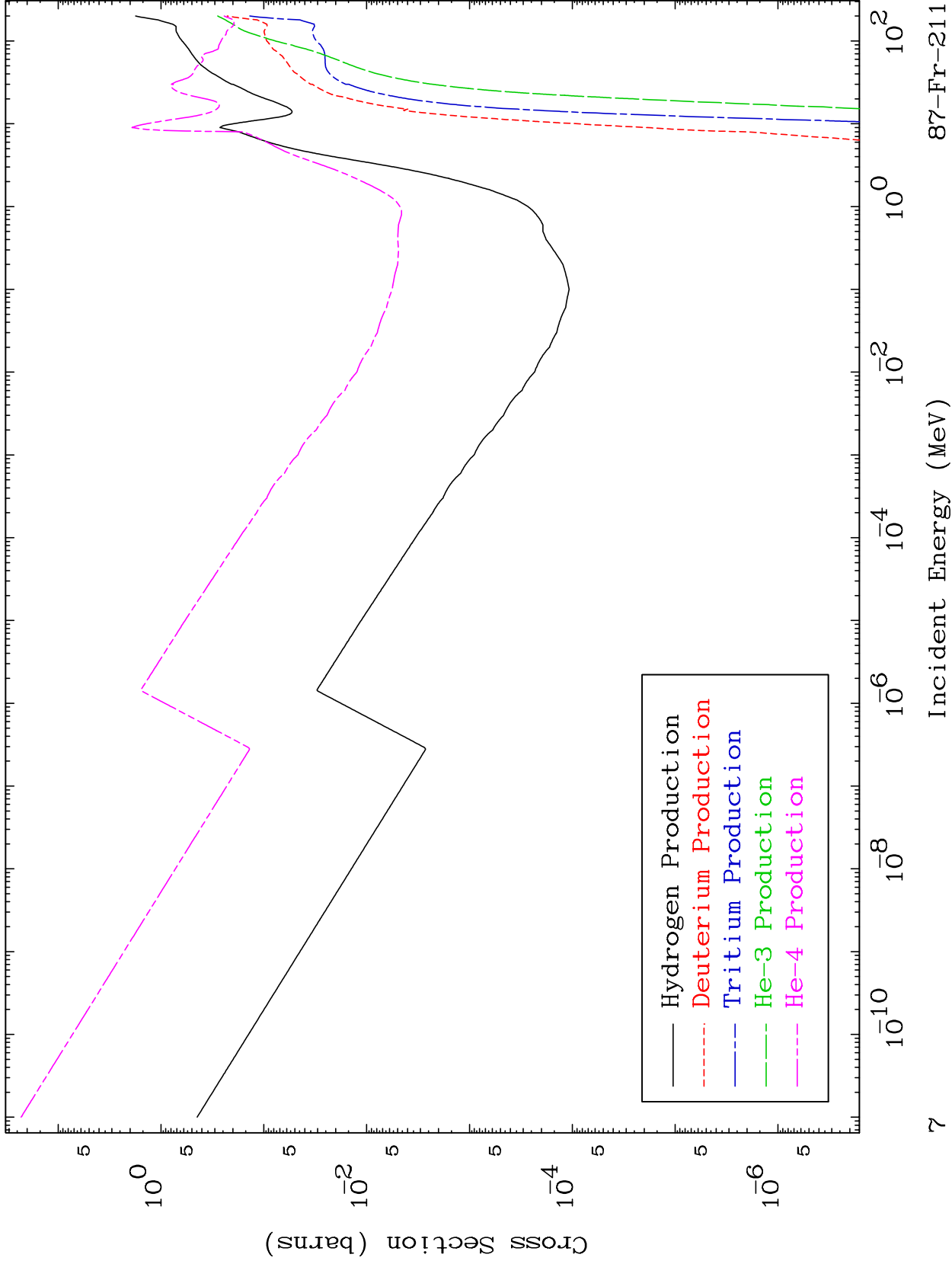


87-Fr-211

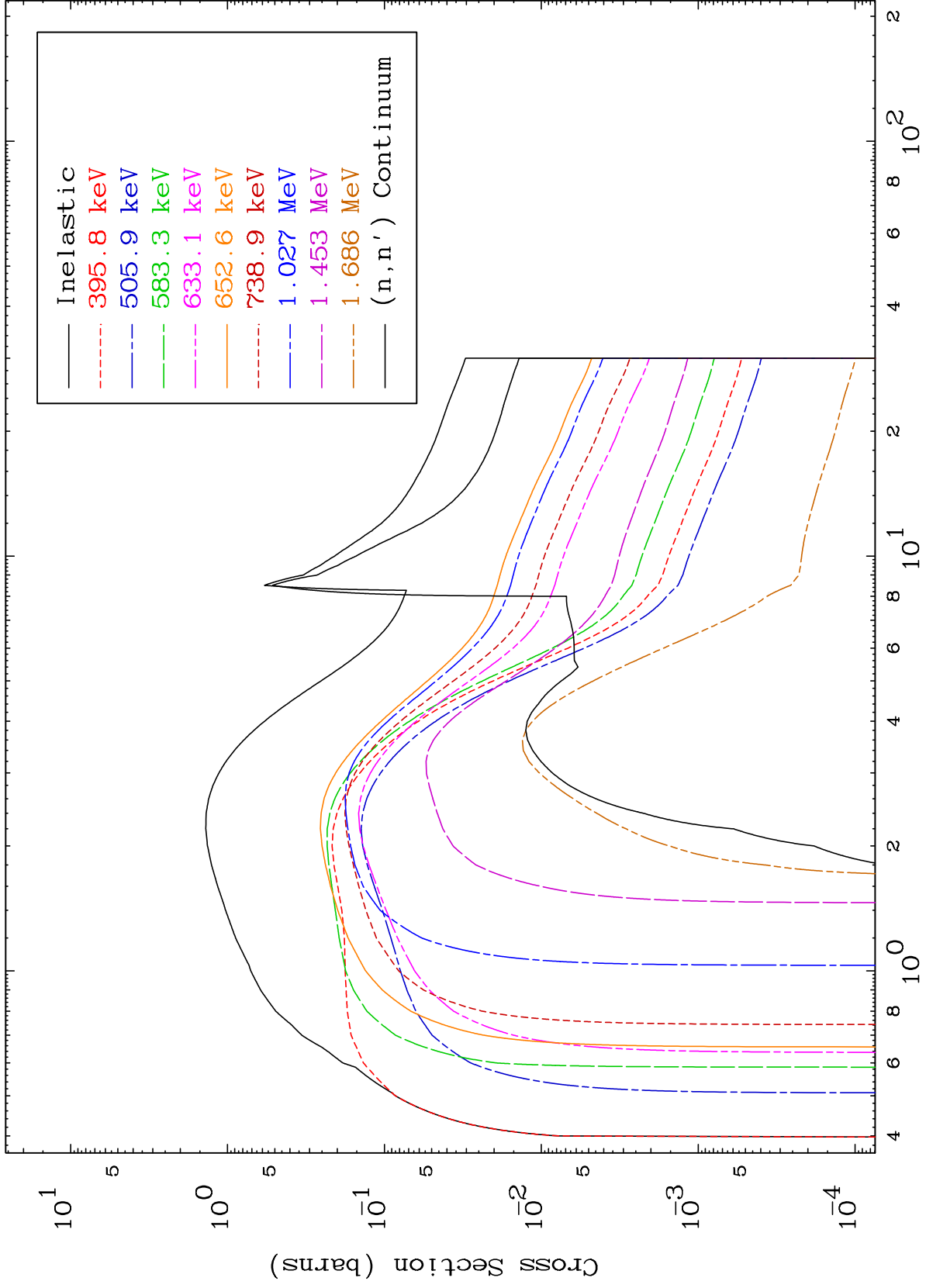
MAT 8722

Particle Production  
293 Kelvin Cross Sections

87-Fr-211



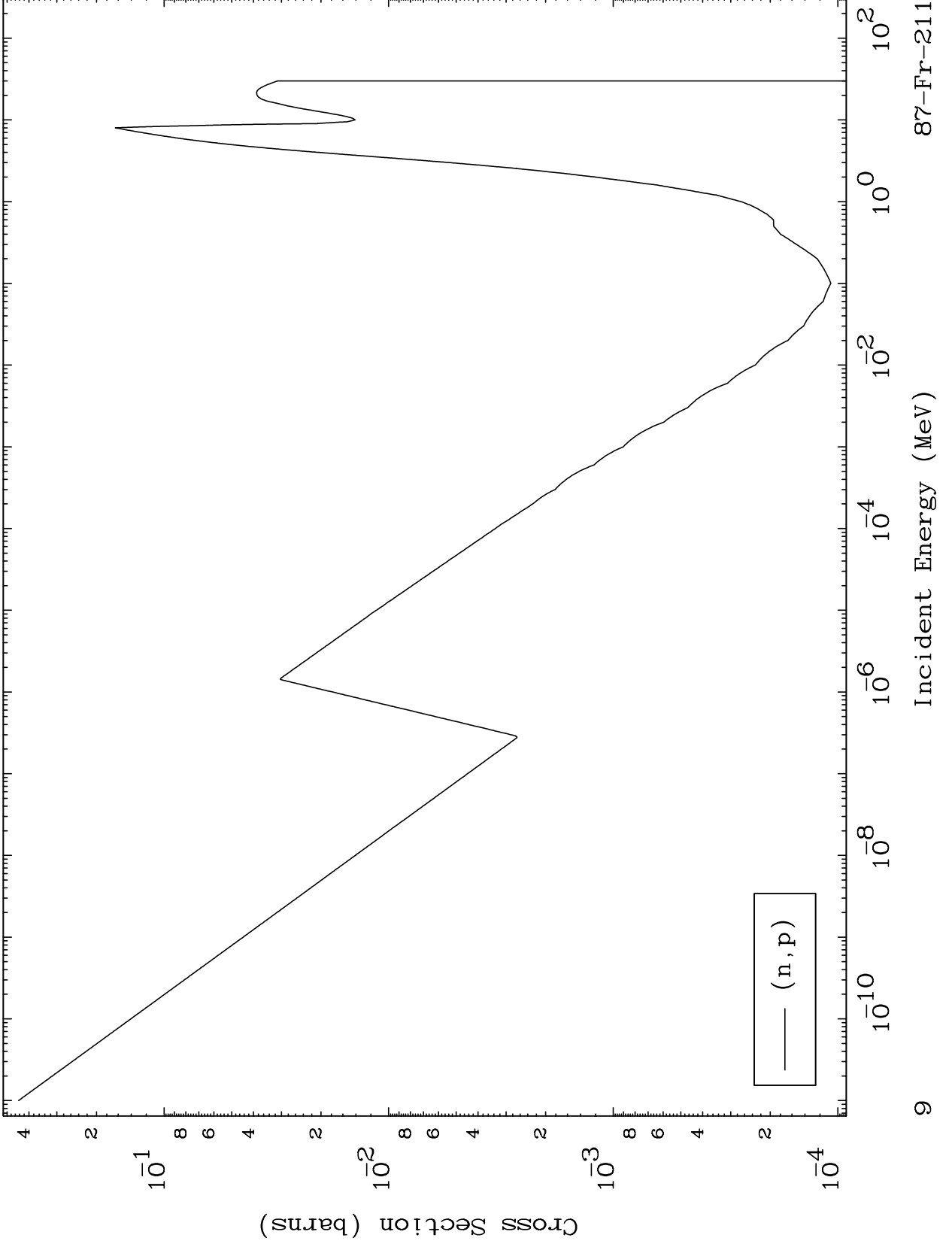




MAT 8722

(n,p) Levels  
293 Kelvin Cross Sections

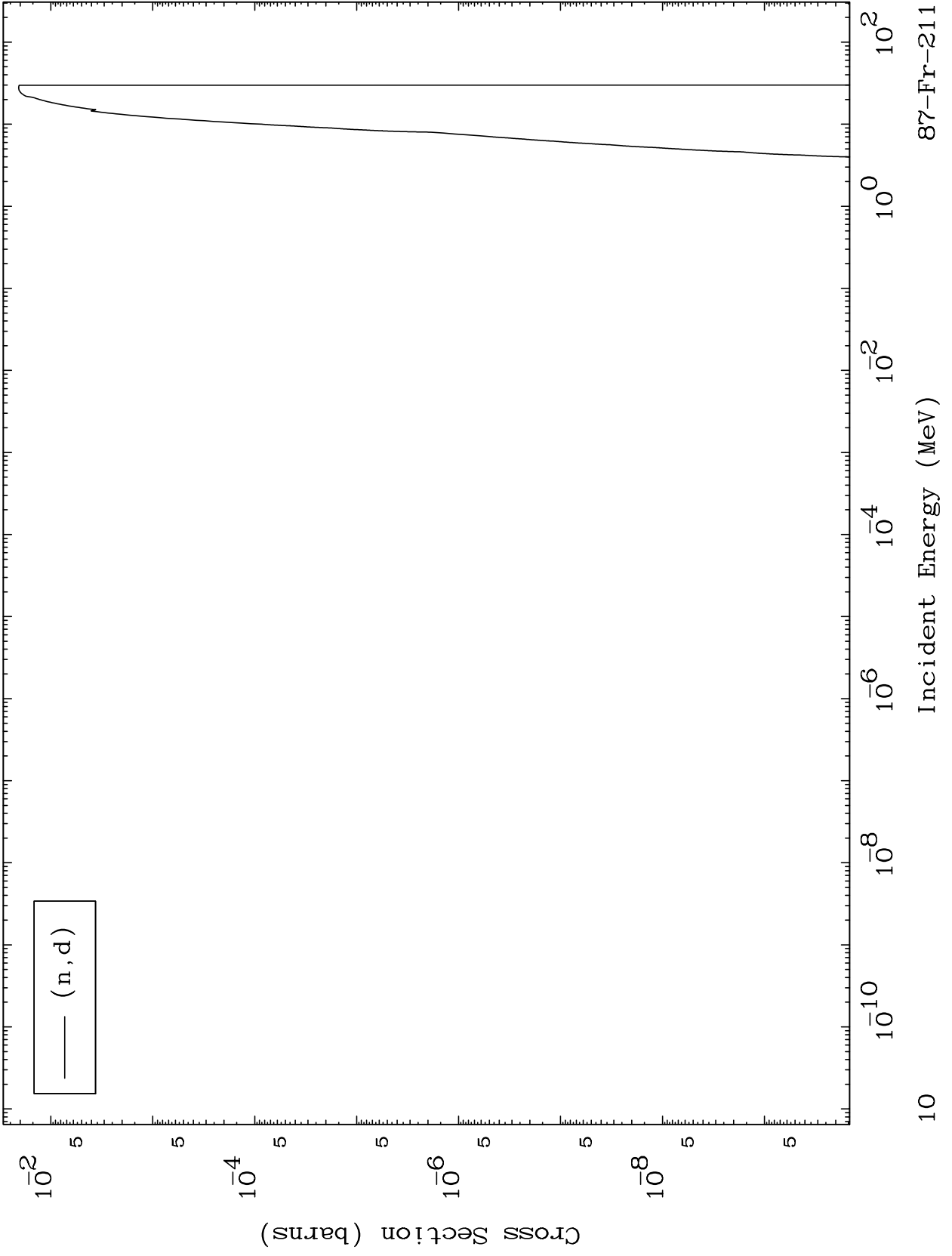
87-Fr-211



MAT 8722

(n,d) Levels  
293 Kelvin Cross Sections

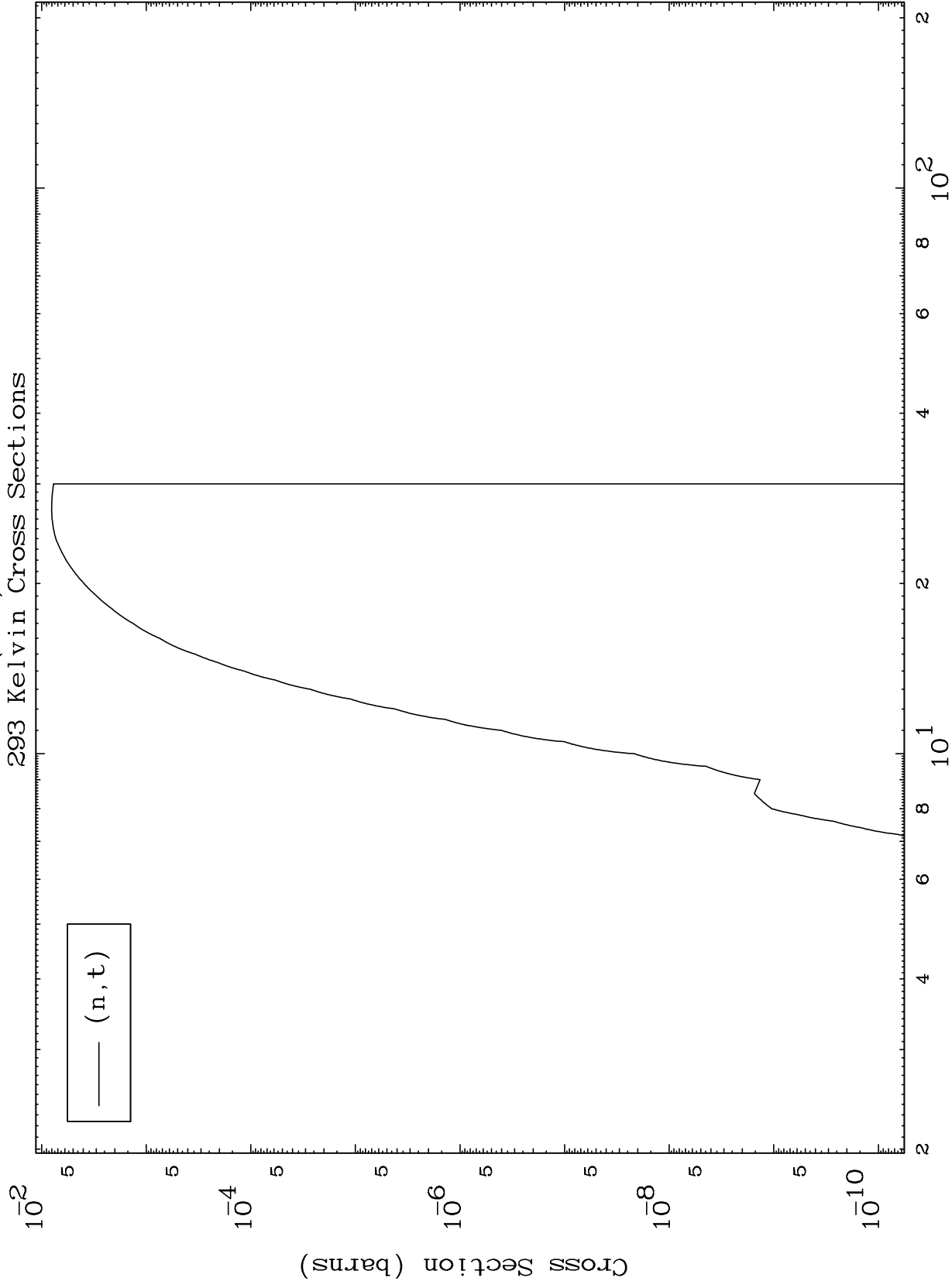
87-Fr-211



MAT 8722

(n,t) Levels  
293 Kelvin Cross Sections

87-Fr-211



11

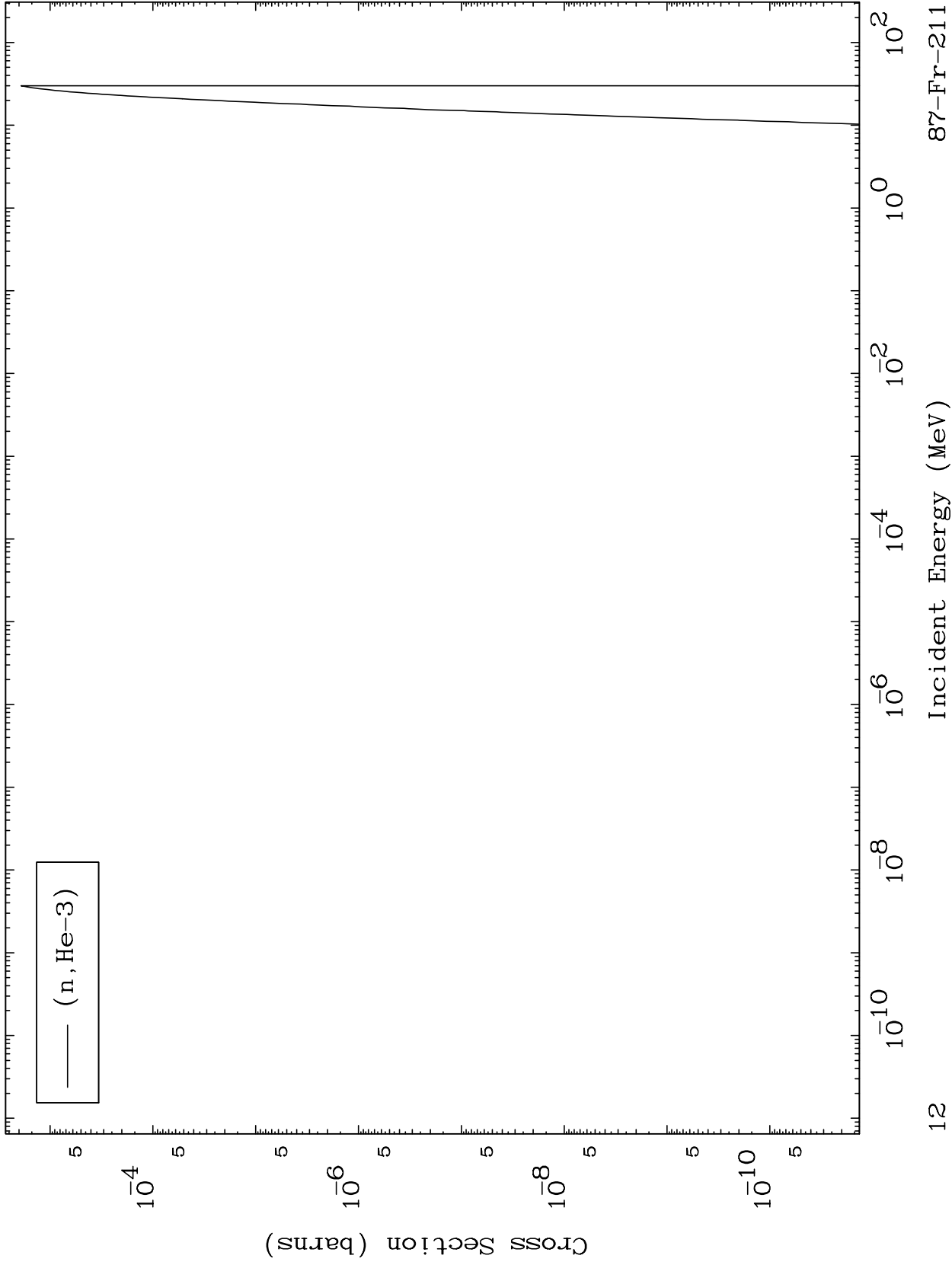
Incident Energy (MeV)

87-Fr-211

MAT 8722

(n,He3) Levels  
293 Kelvin Cross Sections

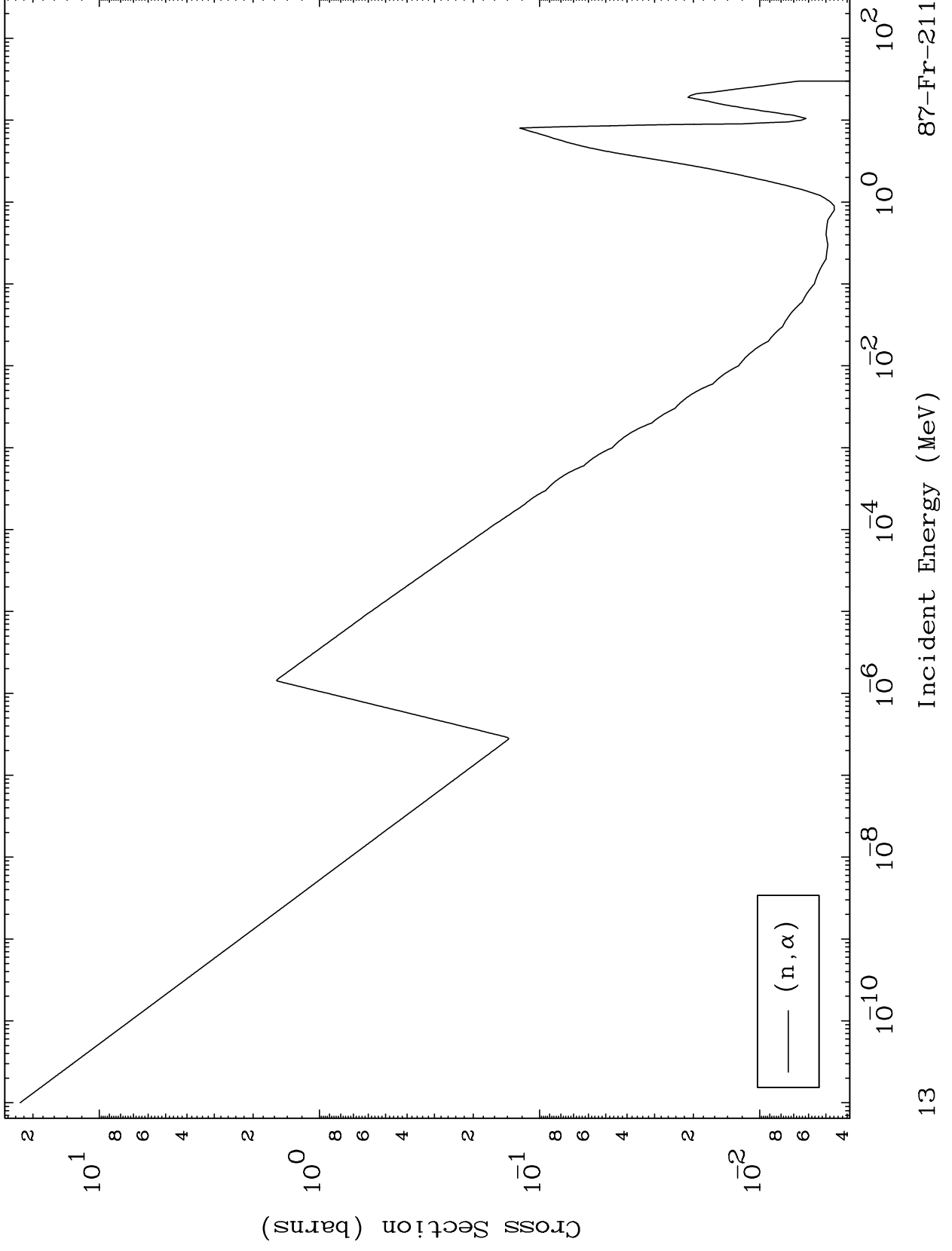
87-Fr-211

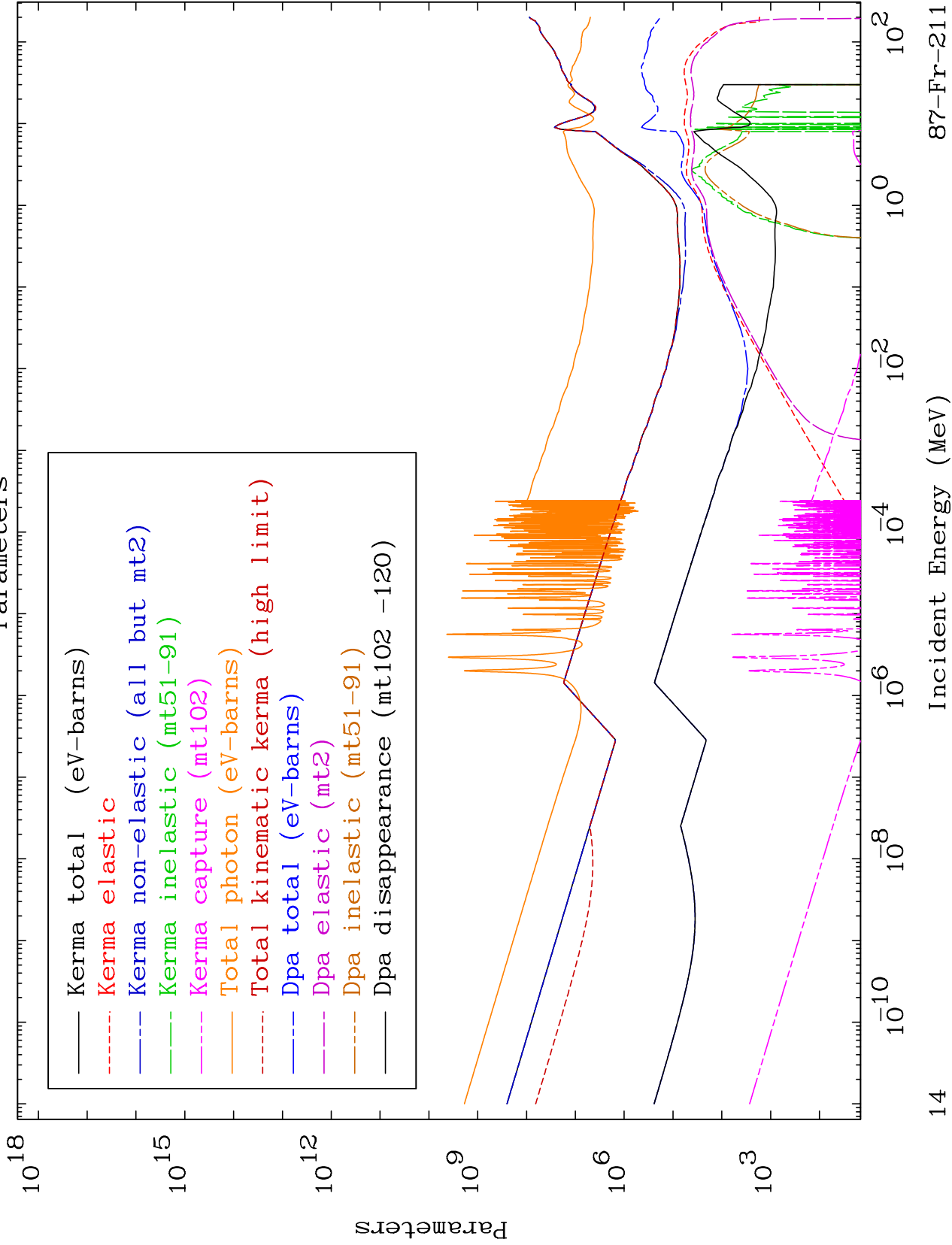


MAT 8722

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

87-Fr-211





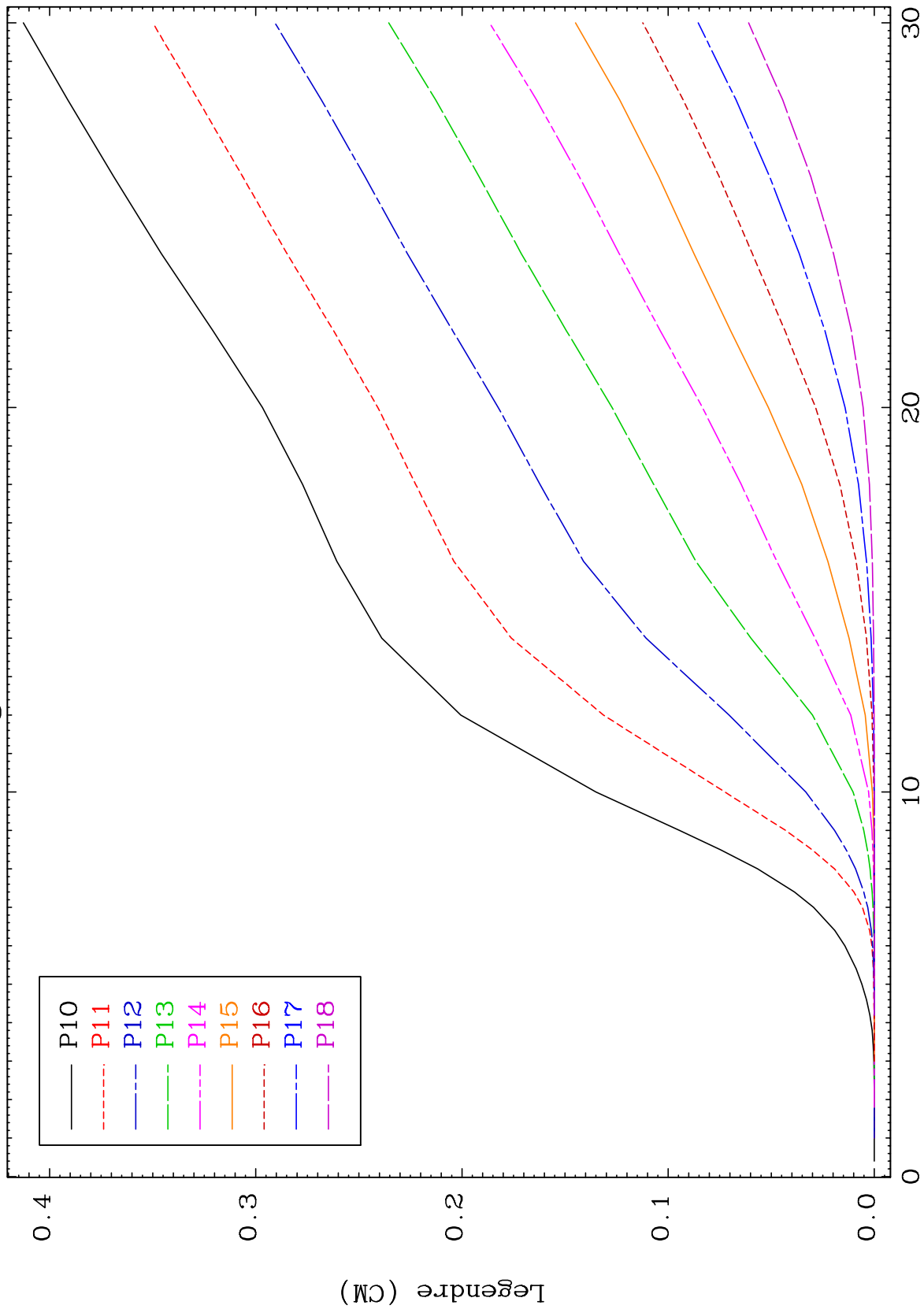




MAT 8722

Elastic Legendre Coefficients

87-Fr-211



16

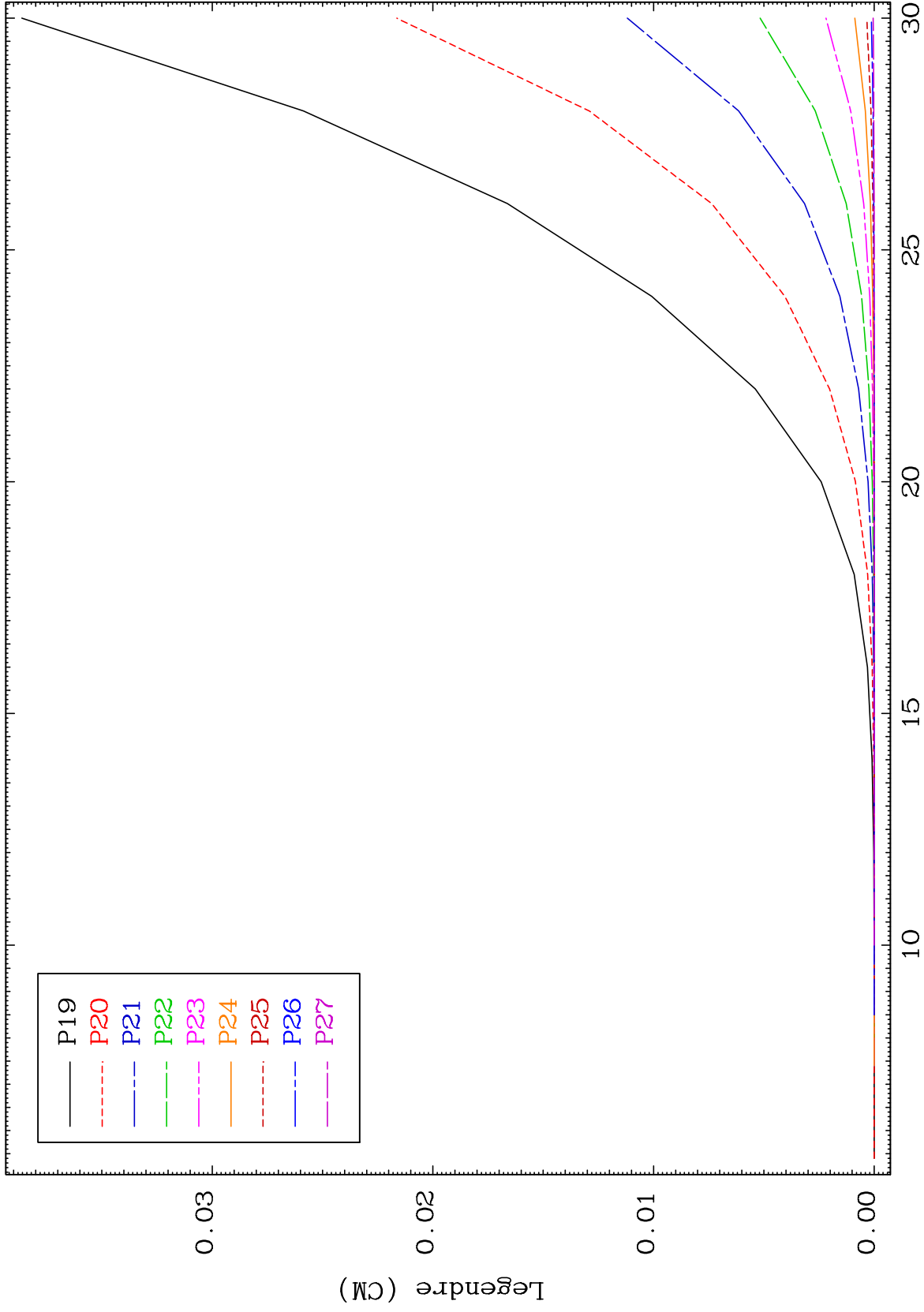
Incident Energy (MeV)

87-Fr-211

MAT 87222

### Elastic Legendre Coefficients

87-Fr-211



17

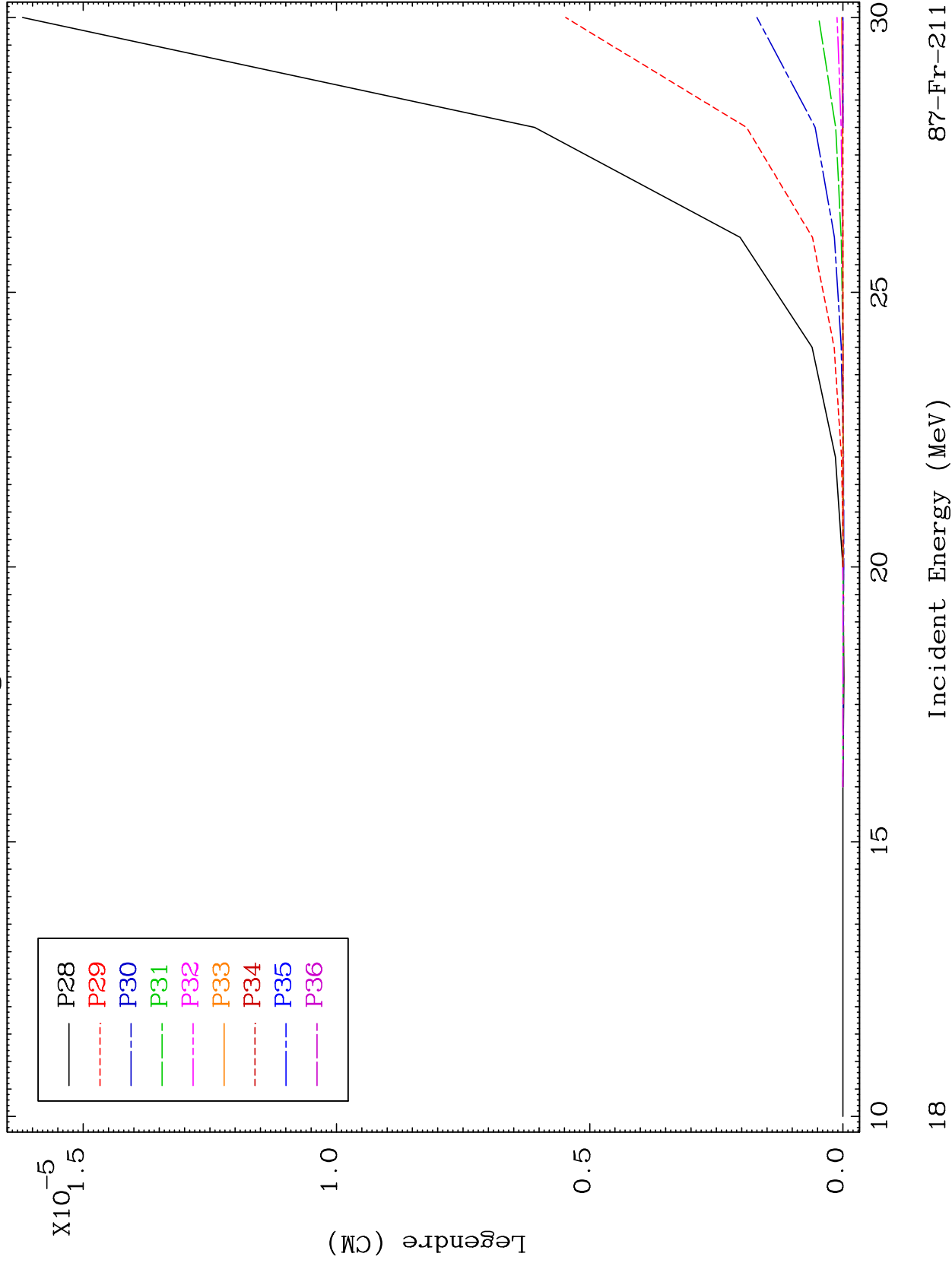
Incident Energy (MeV)

87-Fr-211

MAT 8722

Elastic  
Legendre Coefficients

87-Fr-211



87-Fr-211

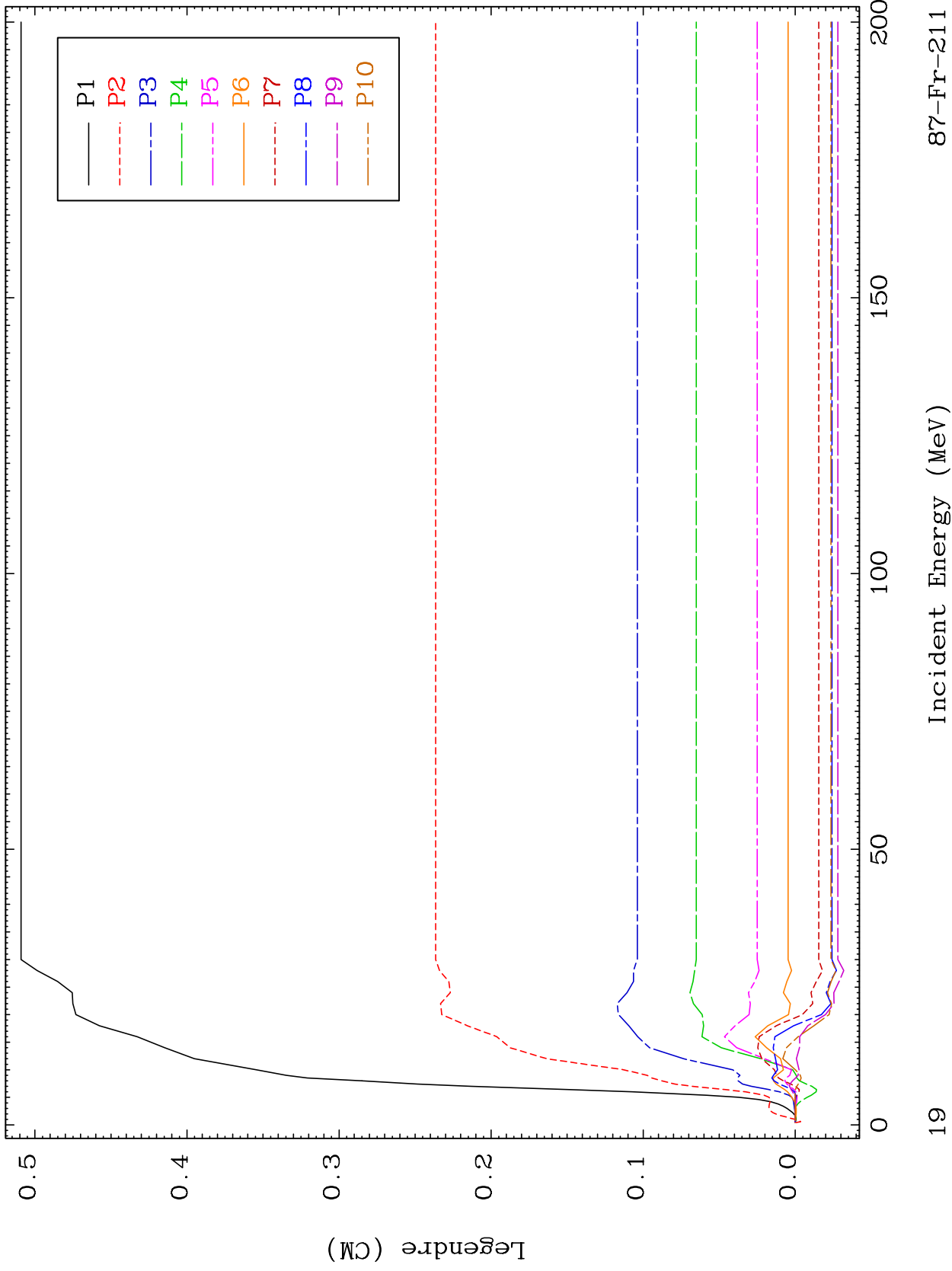
Incident Energy (MeV)

18

MAT 8722

395.8 keV (n,n') Level Legendre Coefficients

87-Fr-211

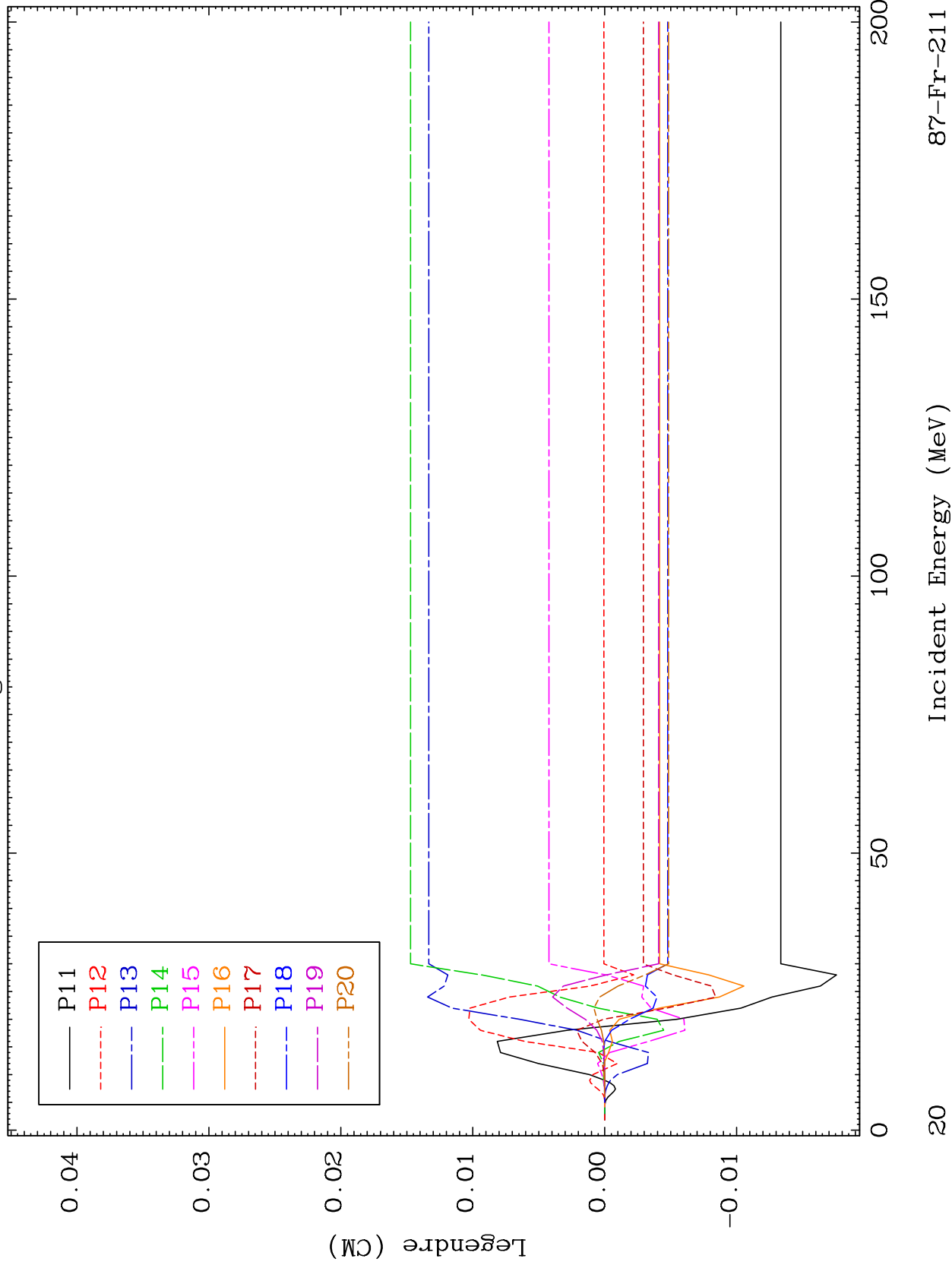


19

MAT 8722

395.8 keV (n, n') Level  
Legendre Coefficients

87-Fr-211



87-Fr-211

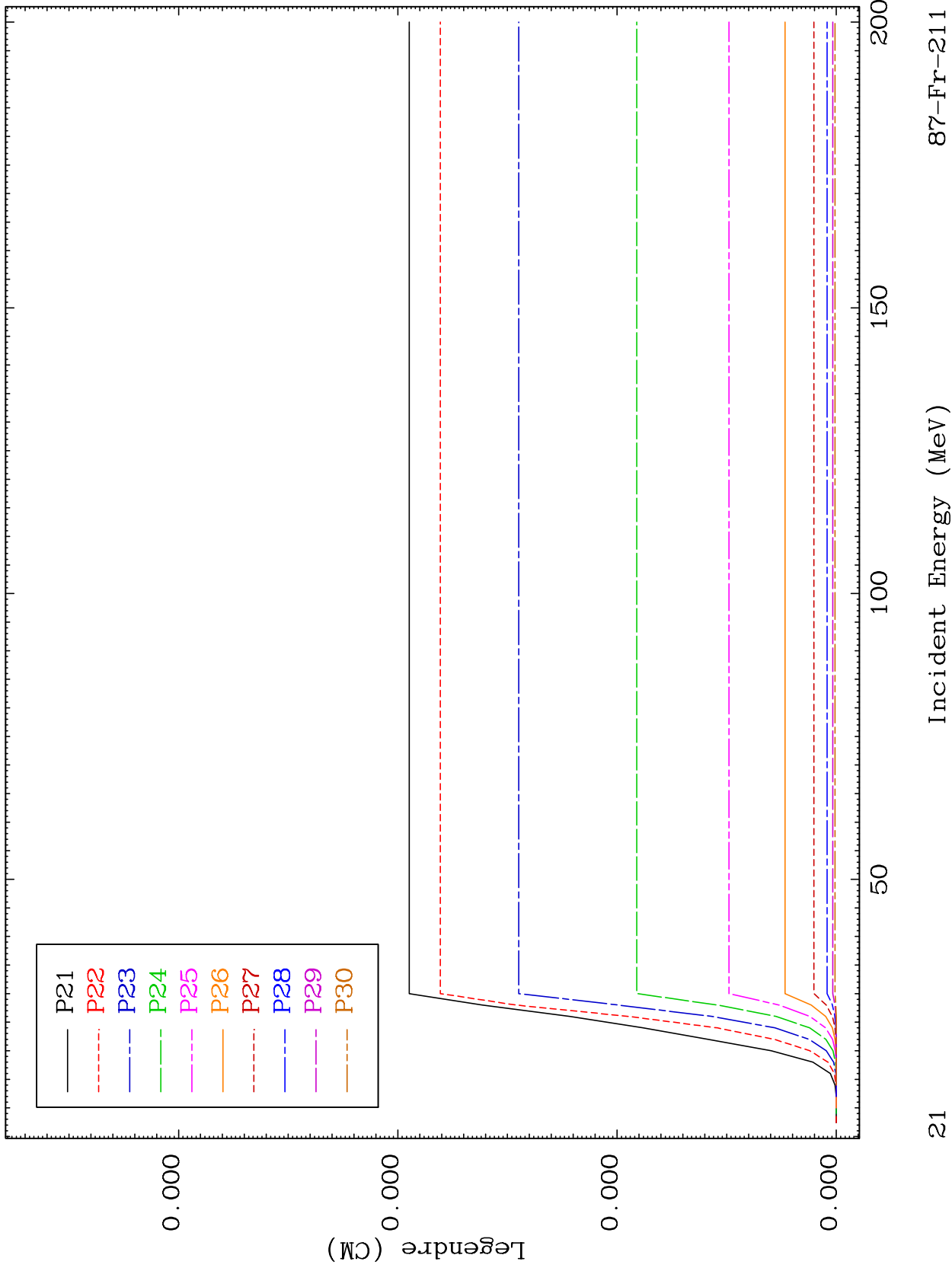
Incident Energy (MeV)

0

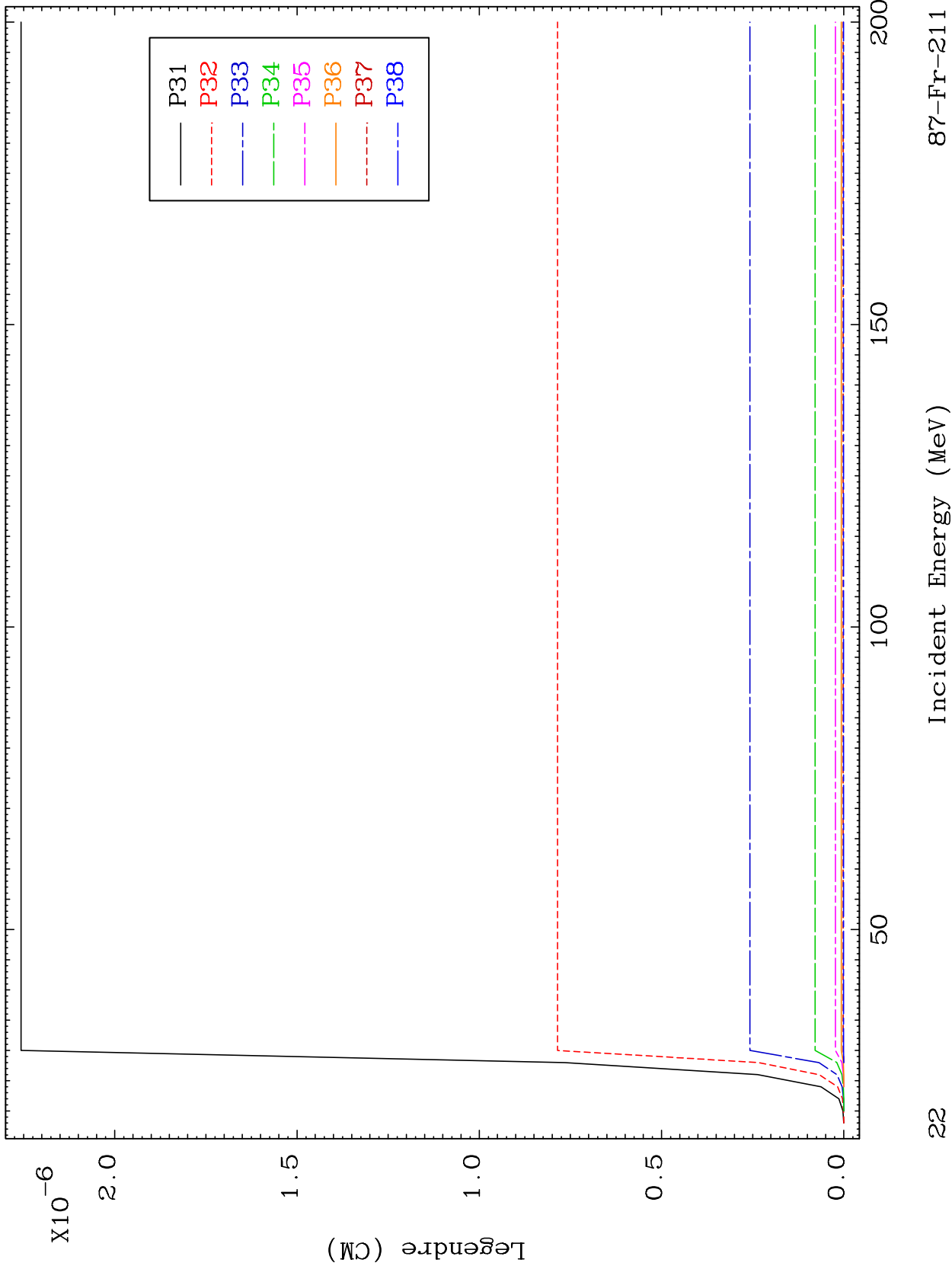
MAT 8722

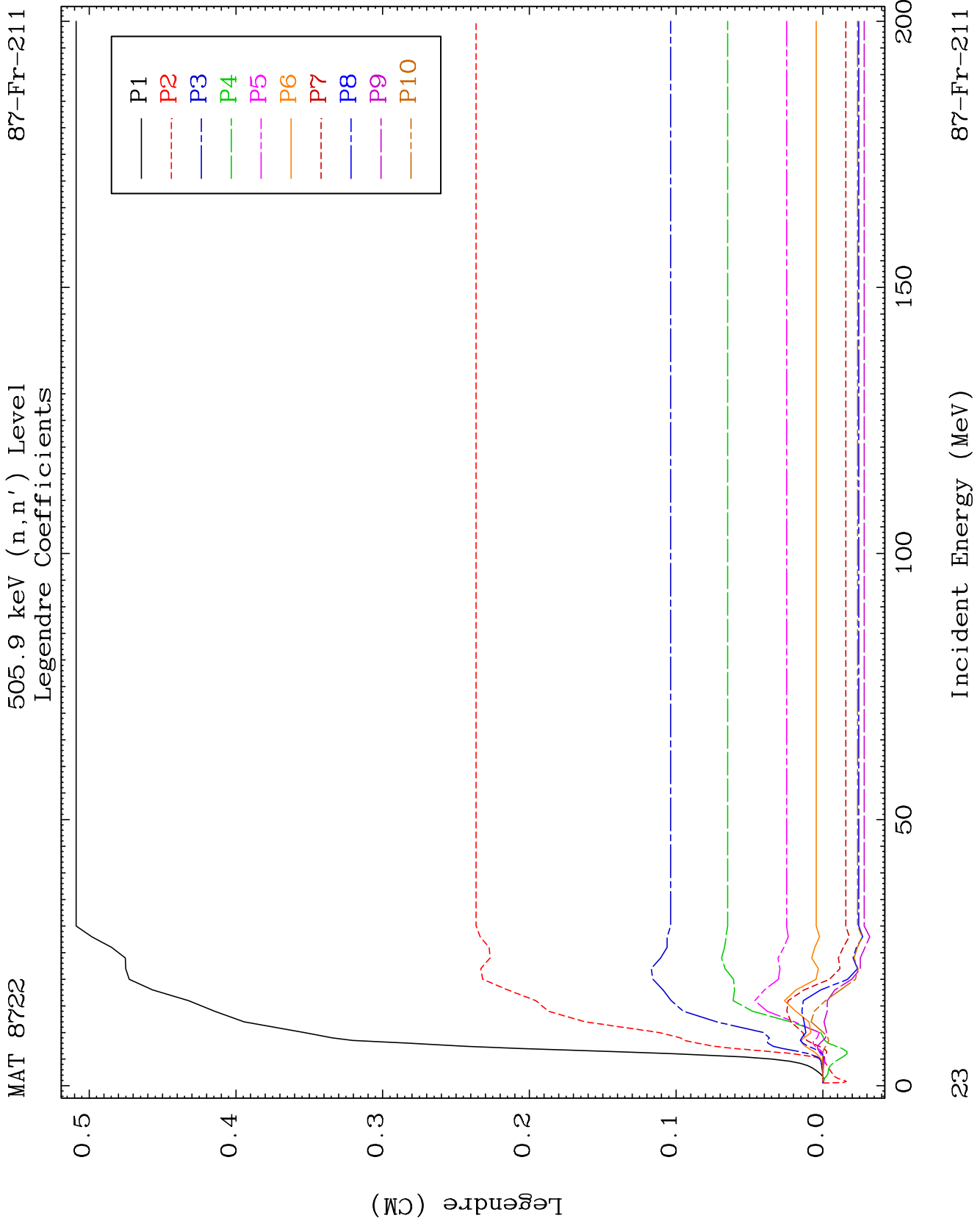
395.8 keV (n,n') Level  
Legendre Coefficients

87-Fr-211



21



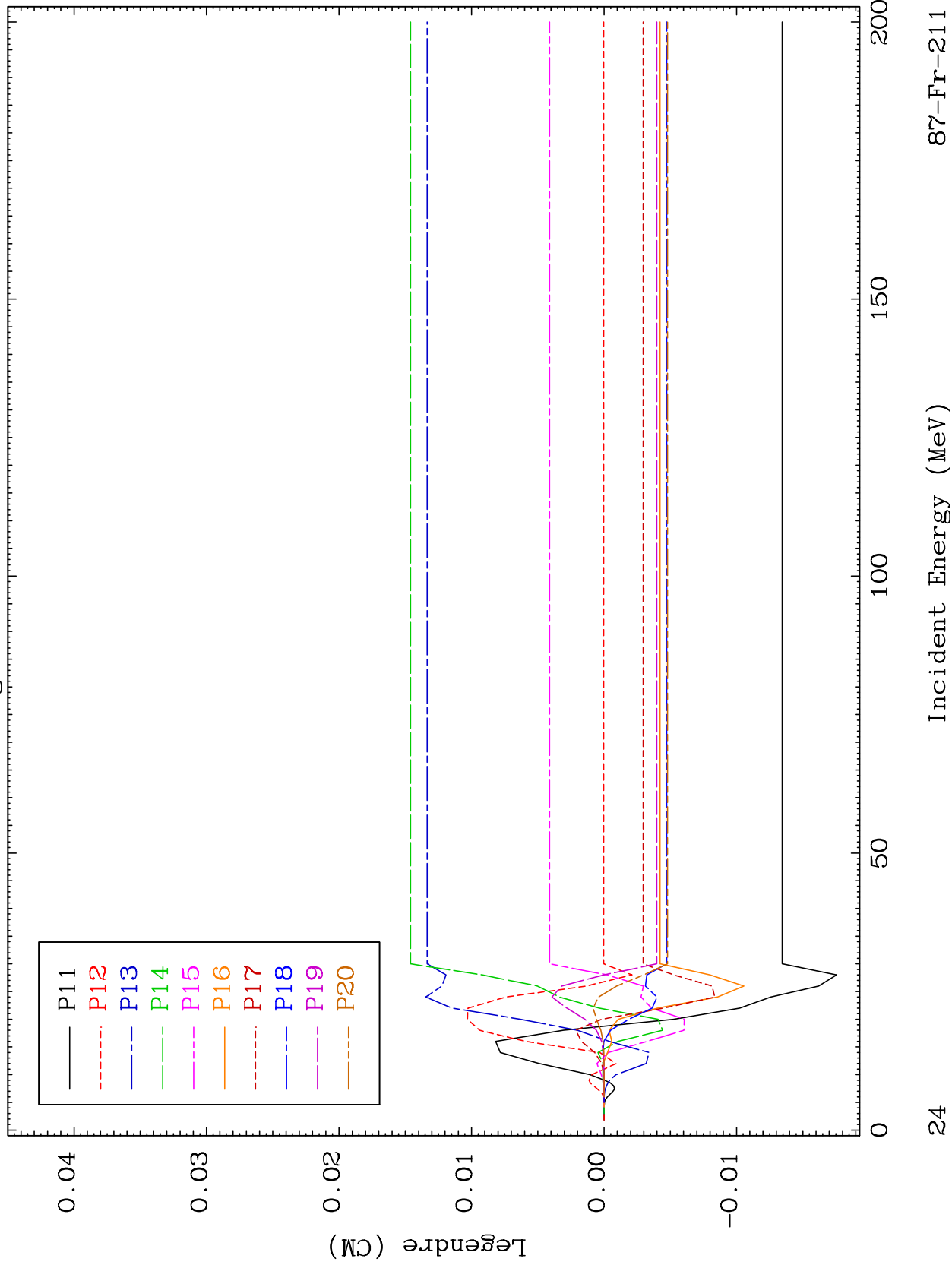




MAT 8722

505.9 keV (n, n') Level  
Legendre Coefficients

87-Fr-211



24

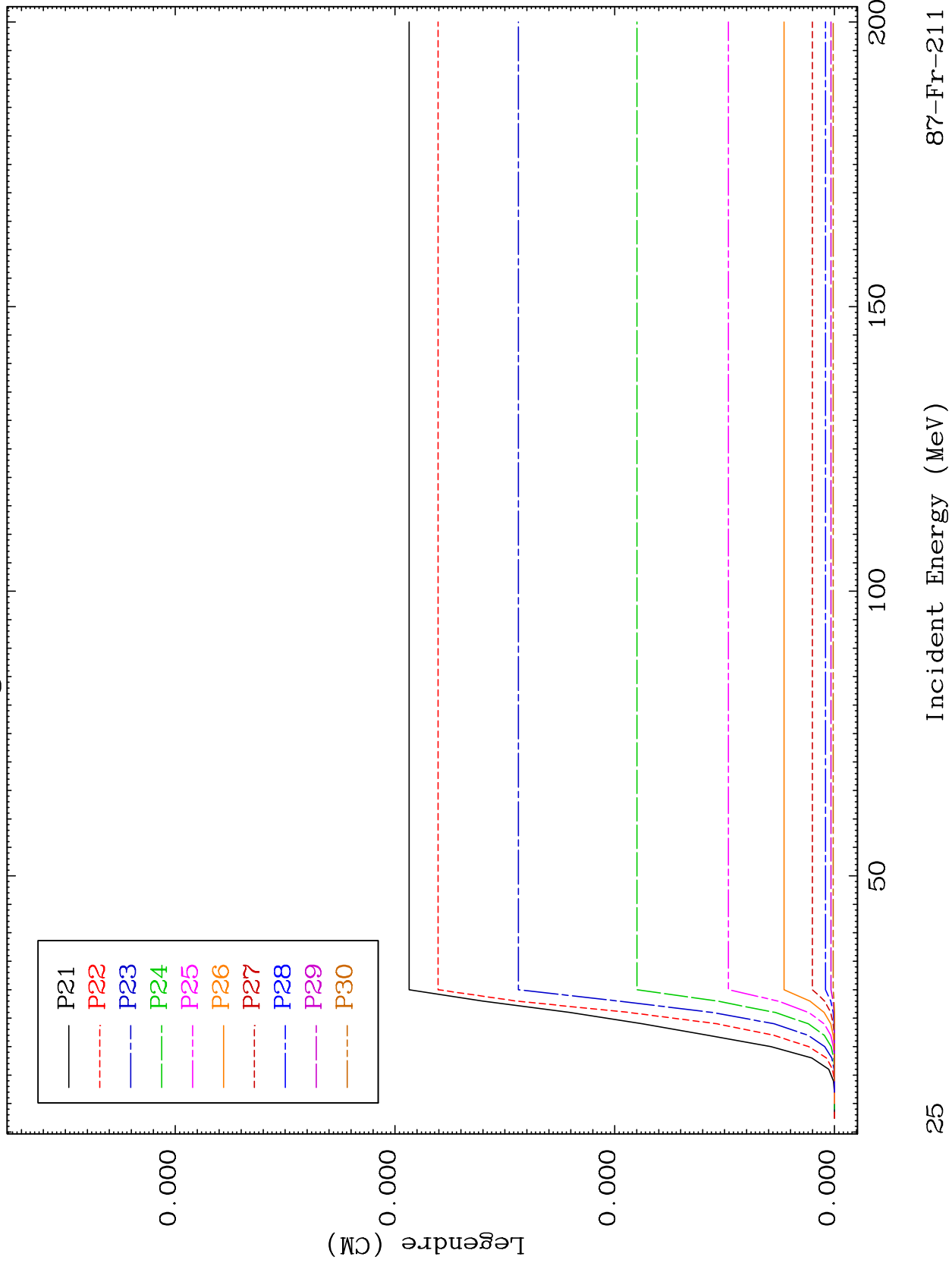
Incident Energy (MeV)

87-Fr-211

MAT 87222

505.9 keV (n,n') Level  
Legendre Coefficients

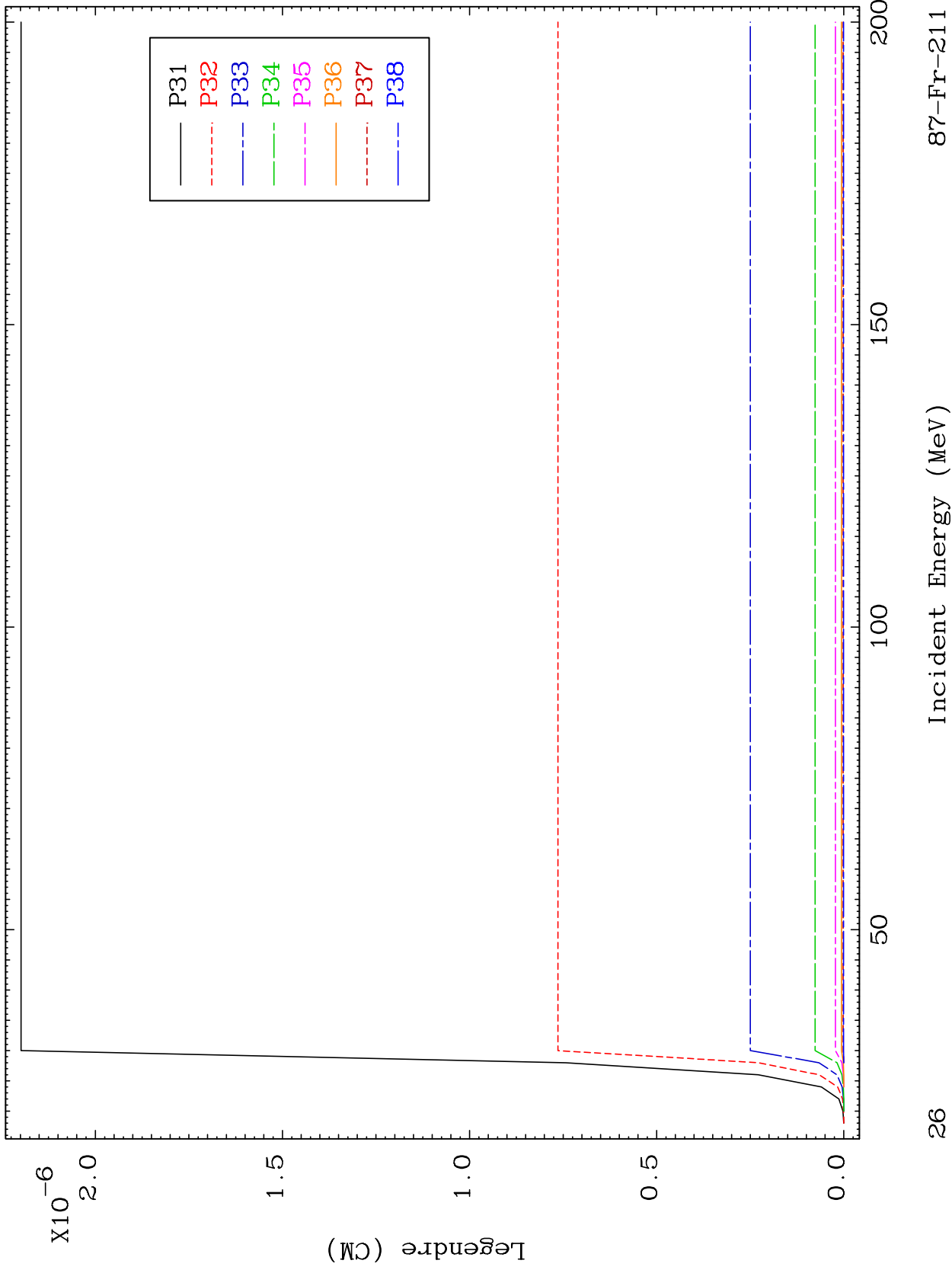
87-Fr-211



25

Incident Energy (MeV)

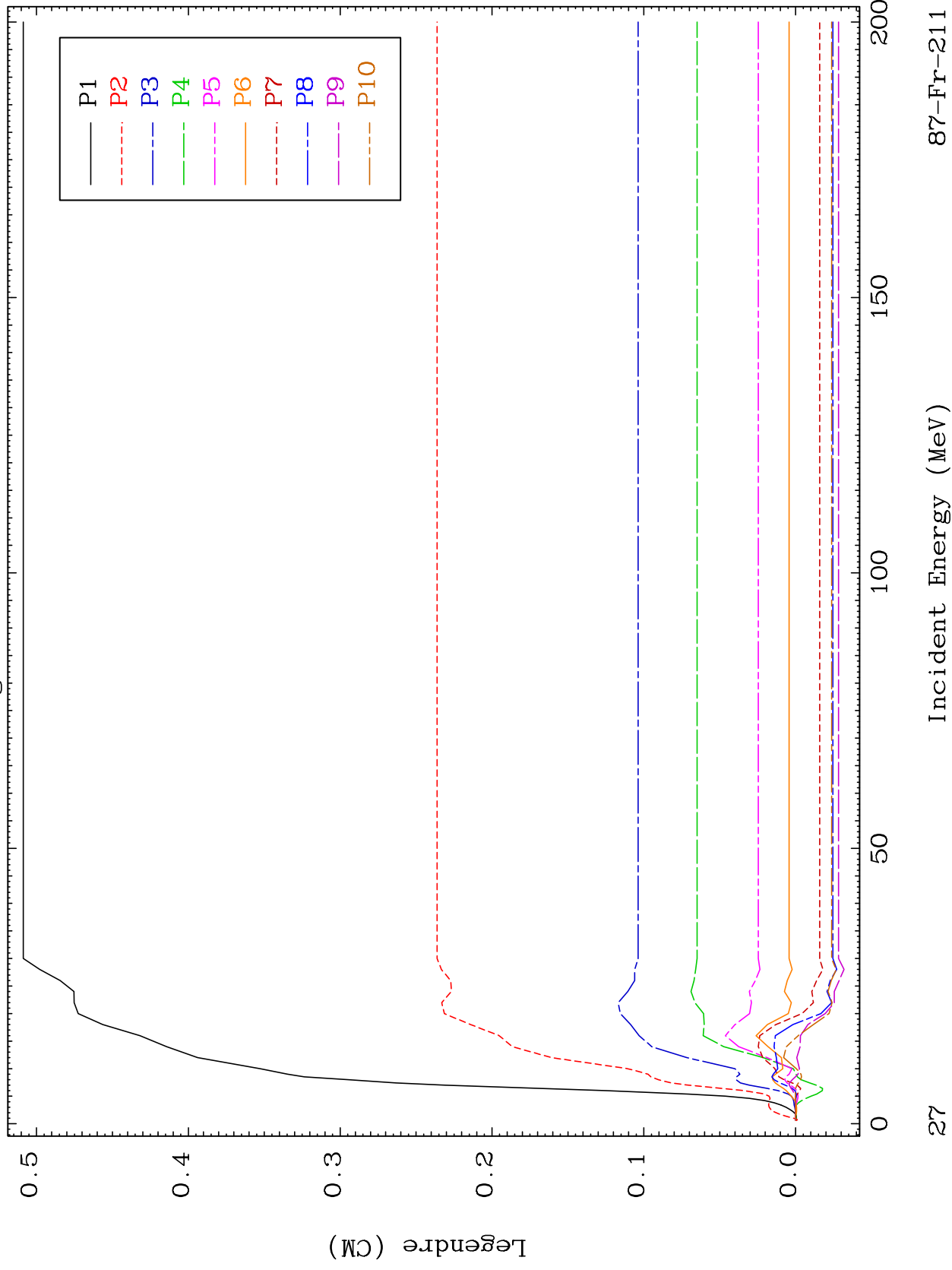
87-Fr-211



MAT 8722

583.3 keV (n,n') Level  
Legendre Coefficients

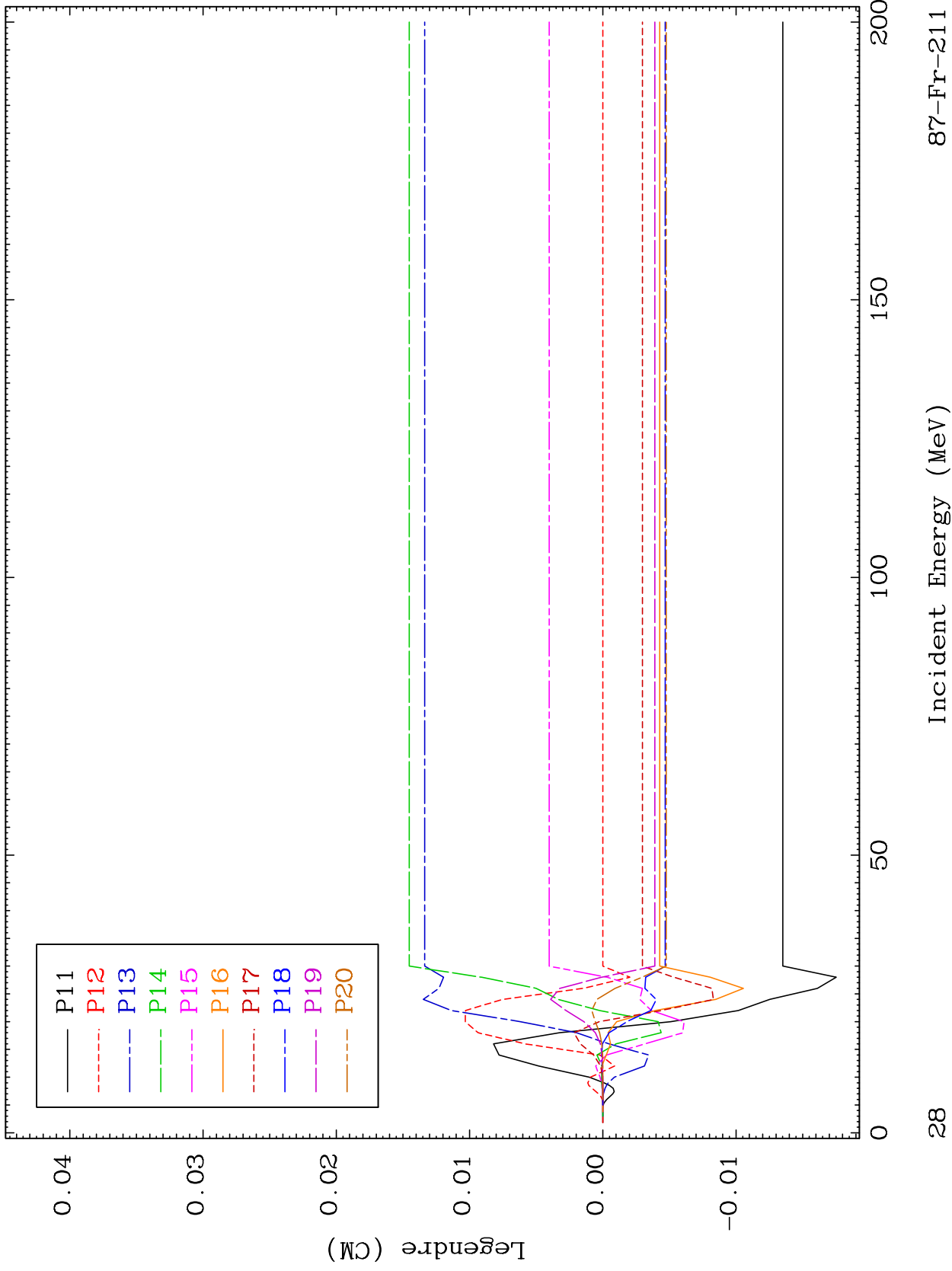
87-Fr-211



MAT 8722

583.3 keV (n, n') Level  
Legendre Coefficients

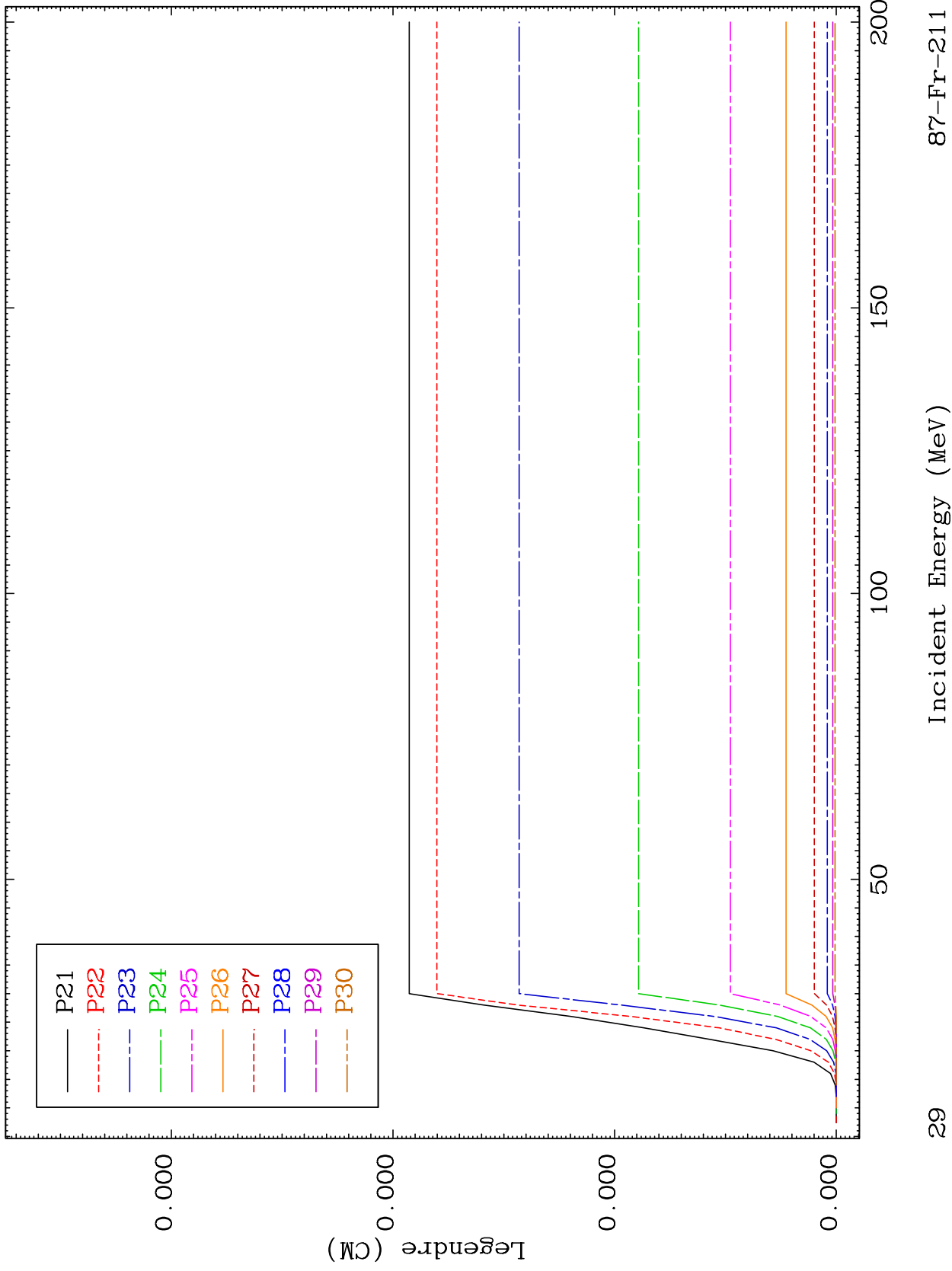
87-Fr-211



28

Incident Energy (MeV)

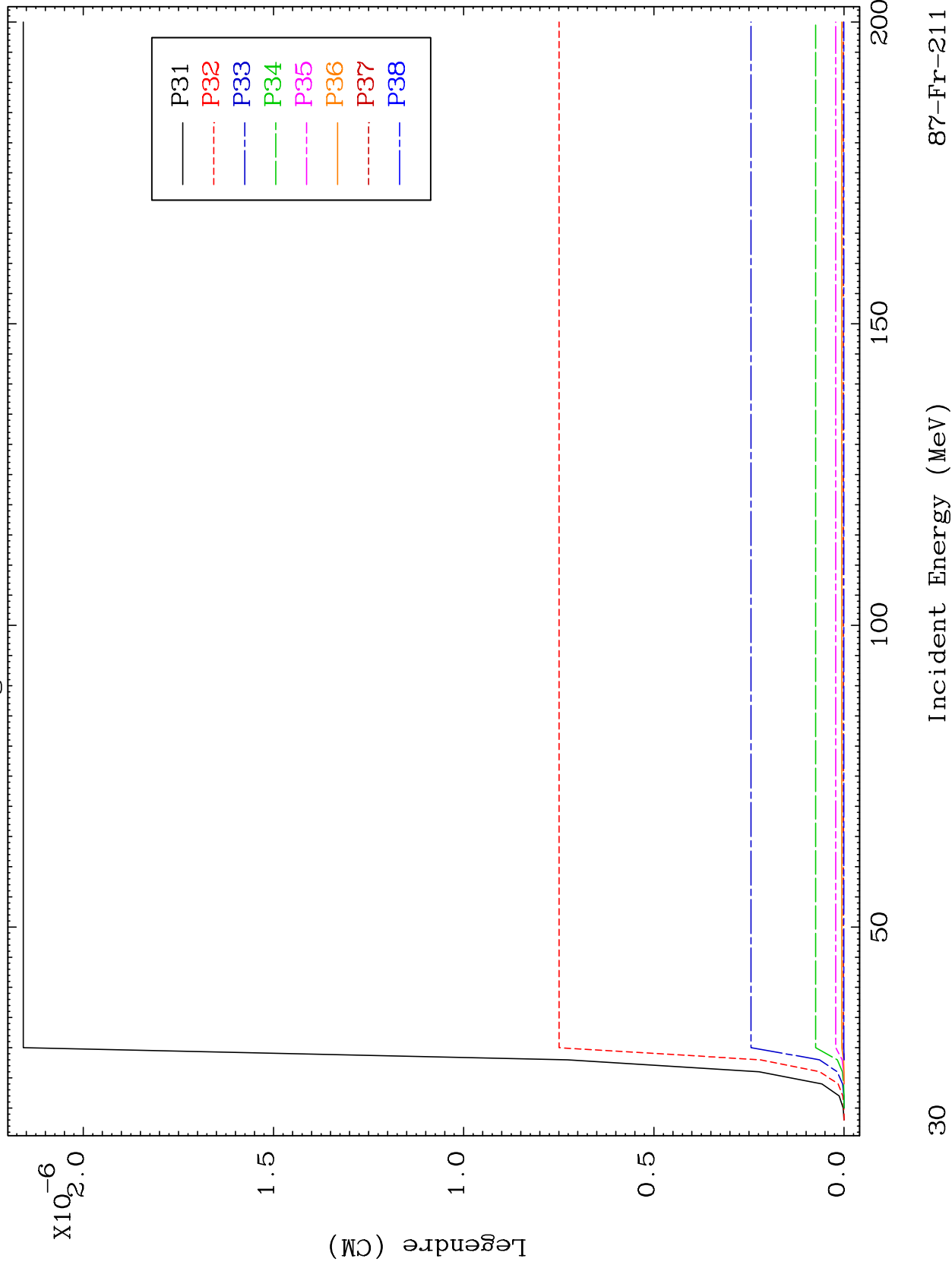
87-Fr-211

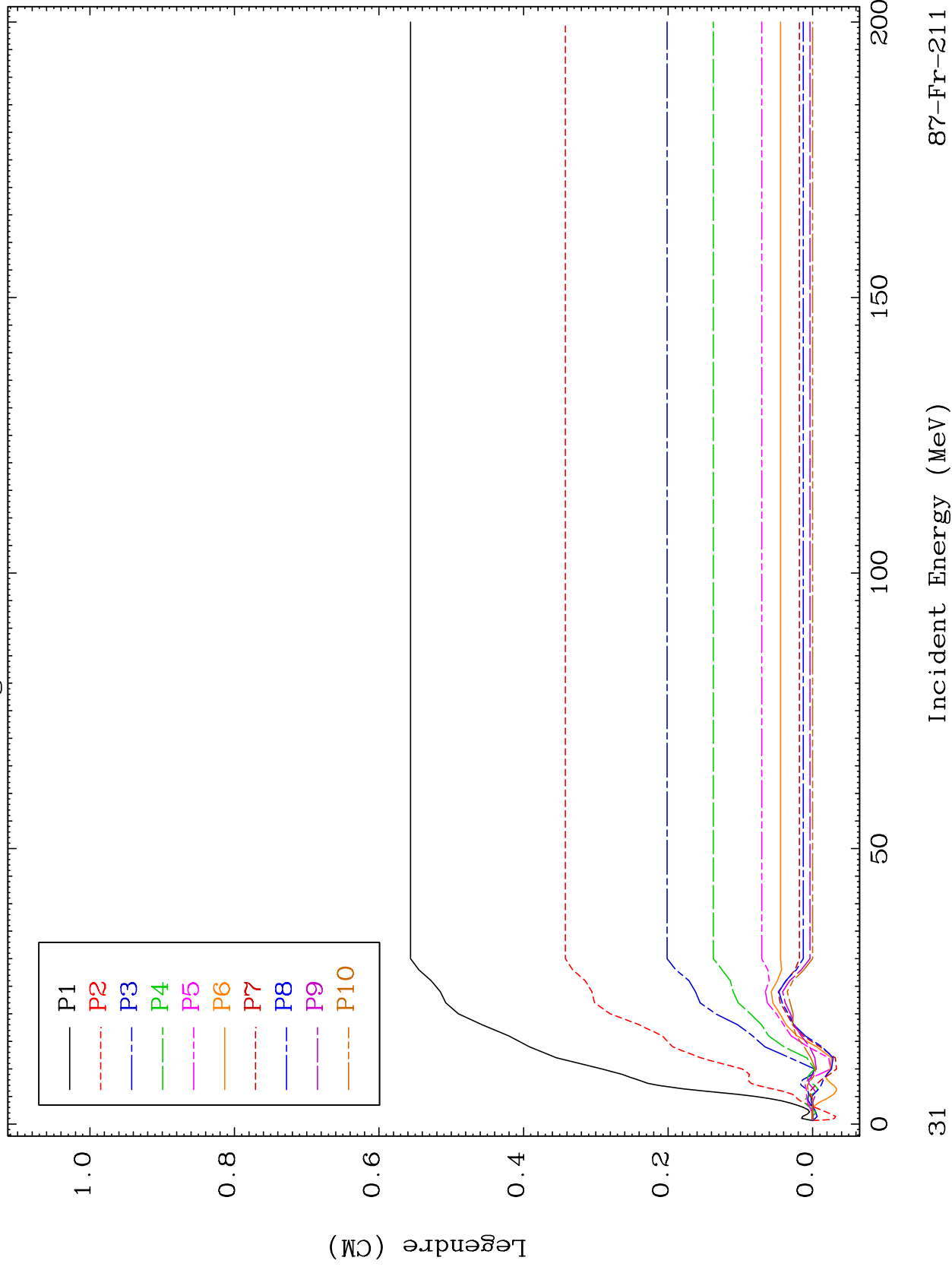


MAT 87222

583.3 keV (n, n') Level  
Legendre Coefficients

87-Fr-211



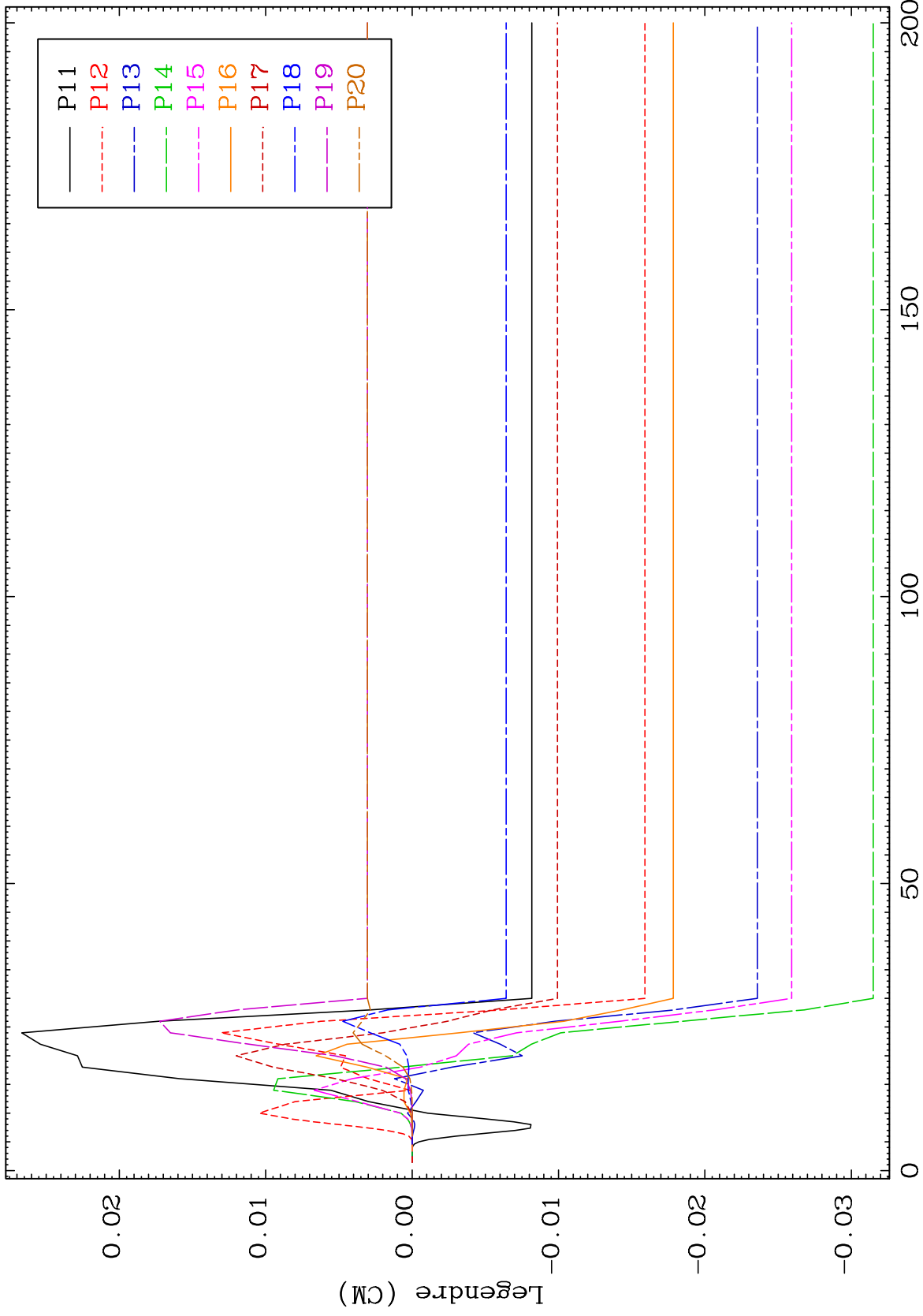




MAT 87222

633.1 keV (n,n') Level  
Legendre Coefficients

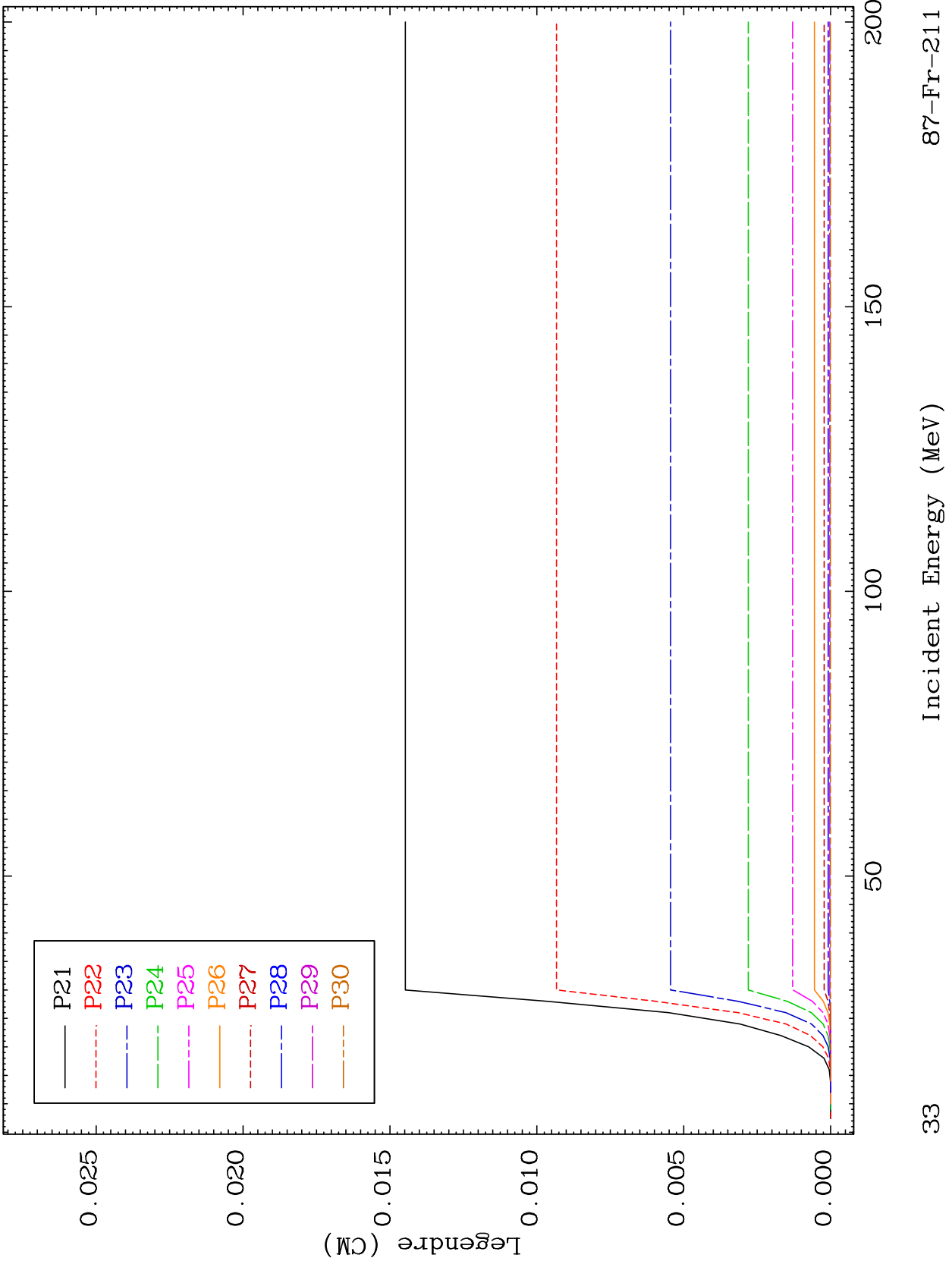
87-Fr-211



32

Incident Energy (MeV)

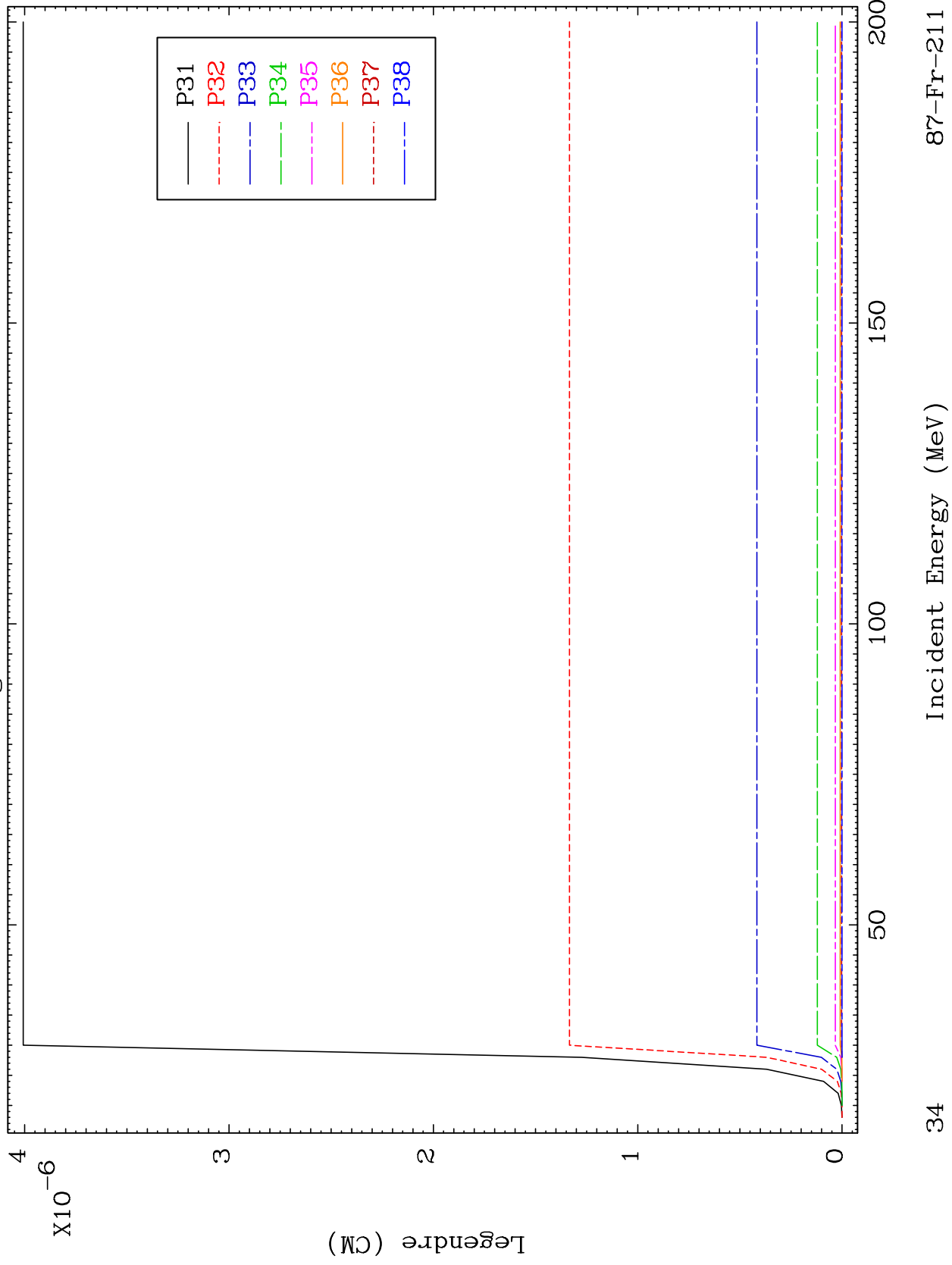
87-Fr-211



MAT 87222

633.1 keV (n,n') Level  
Legendre Coefficients

87-Fr-211



34

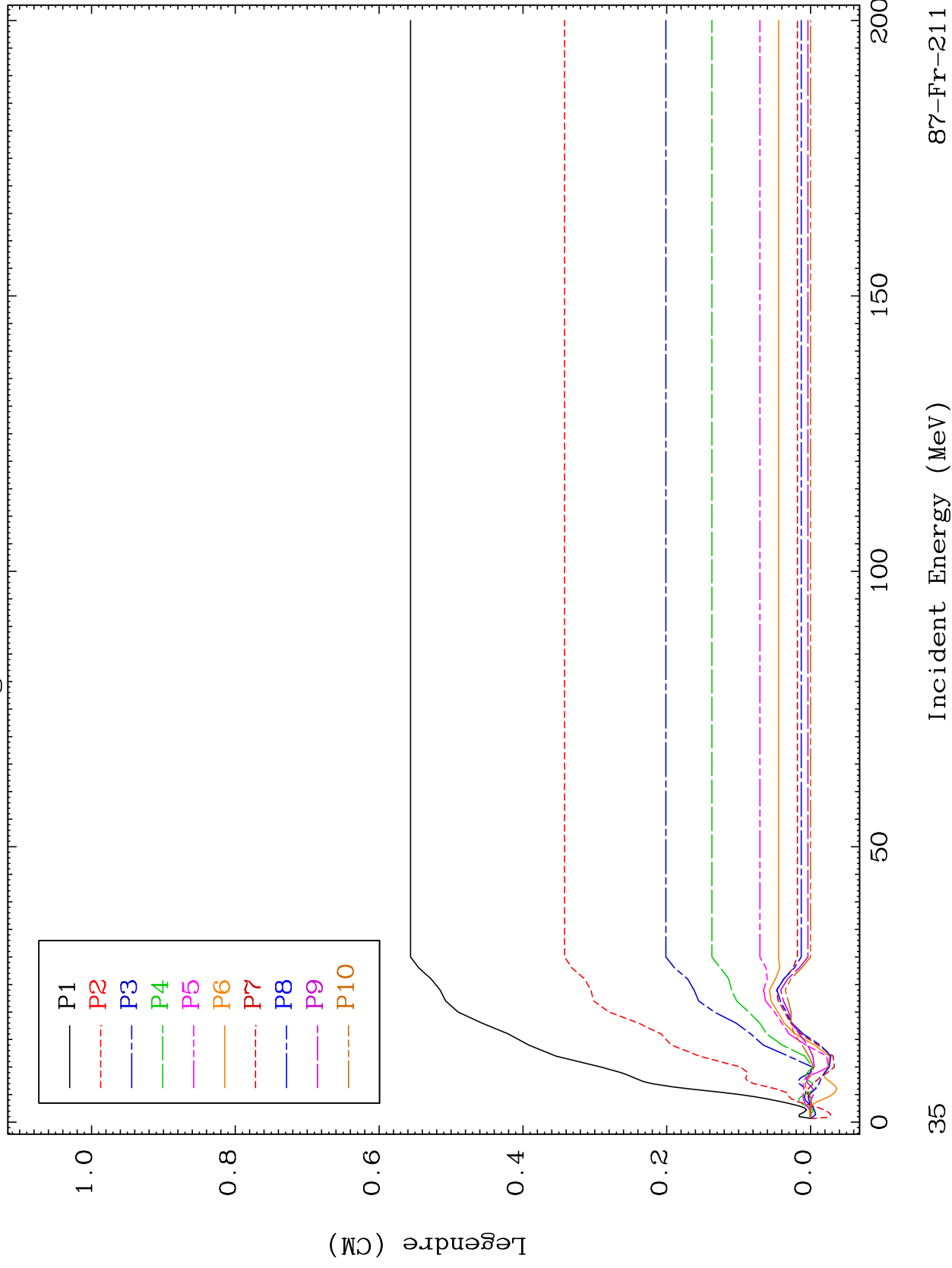
Incident Energy (MeV)

87-Fr-211

MAT 8722

652.6 keV (n,n') Level  
Legendre Coefficients

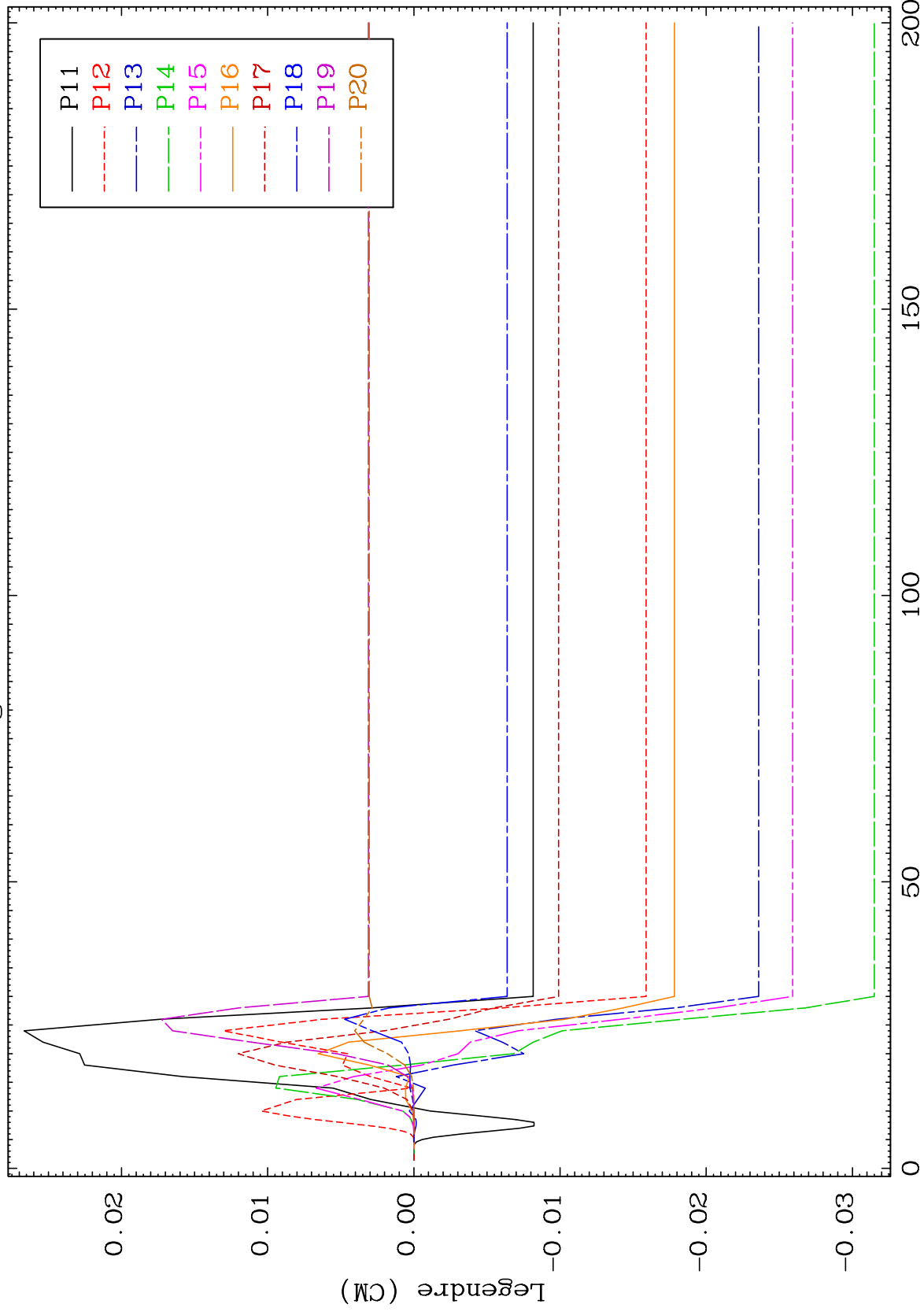
87-Fr-211



MAT 8722

652.6 keV (n, n') Level  
Legendre Coefficients

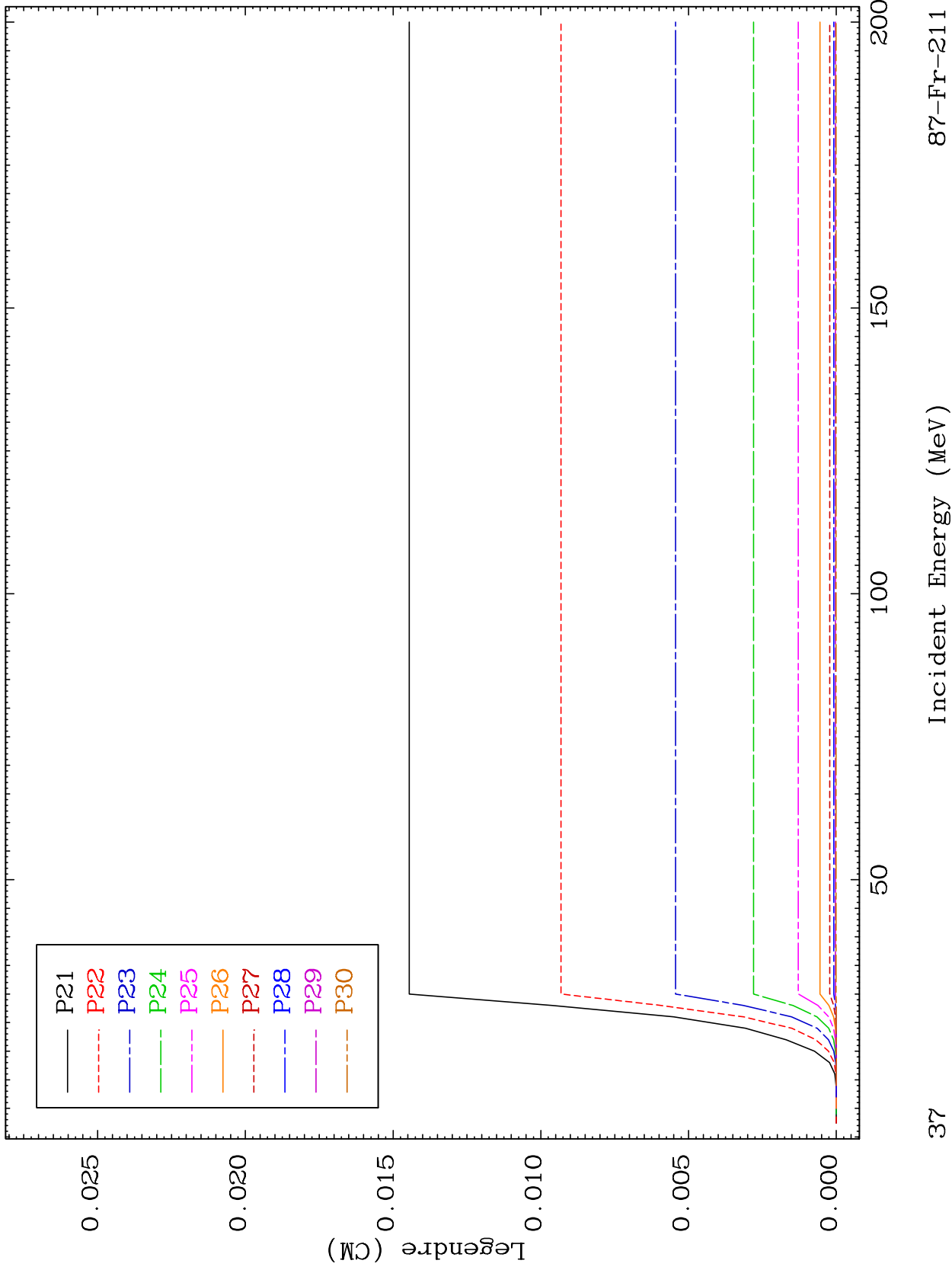
87-Fr-211



36

Incident Energy (MeV)

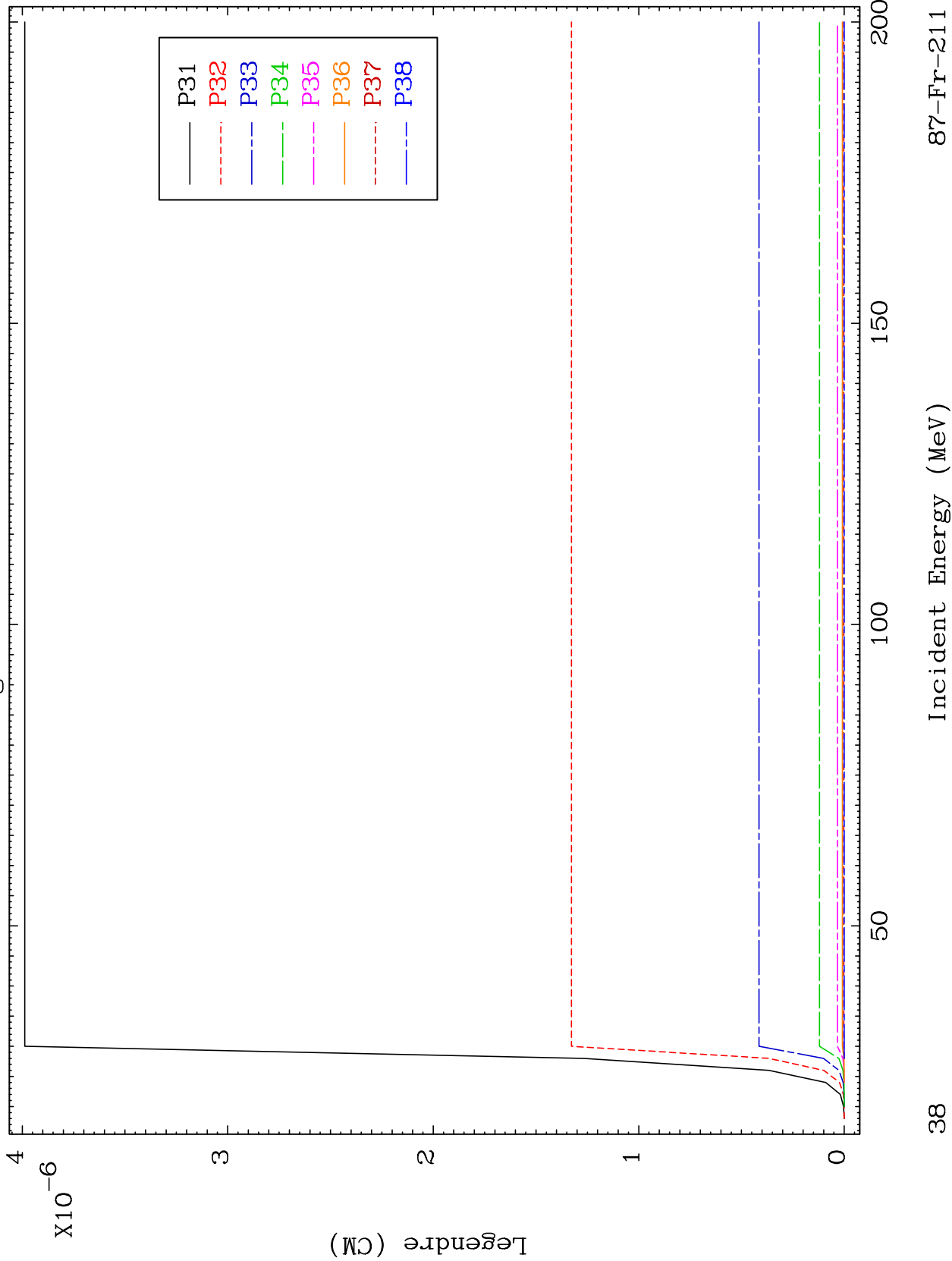
87-Fr-211



MAT 8722

652.6 keV (n, n') Level  
Legendre Coefficients

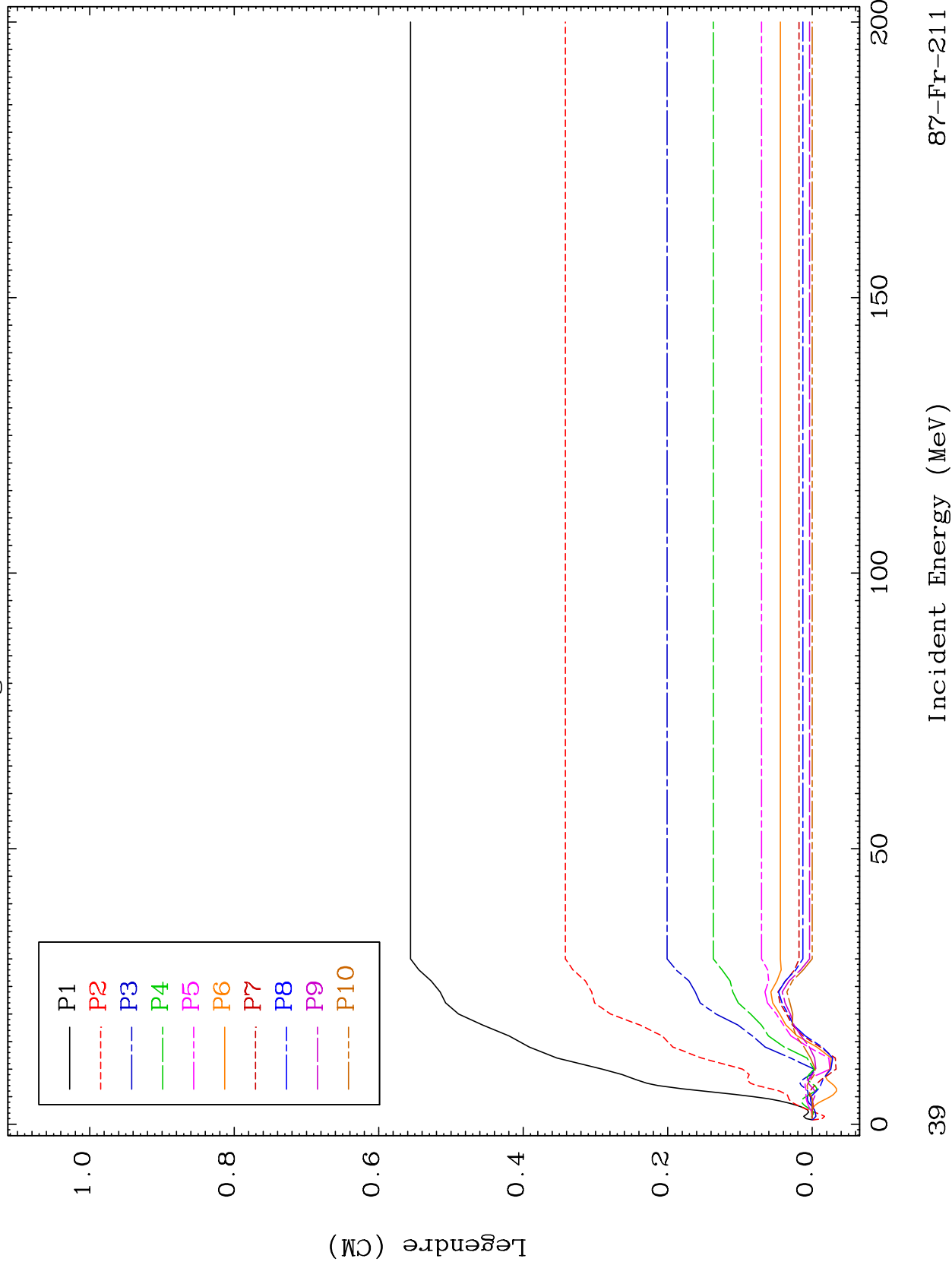
87-Fr-211



38

Incident Energy (MeV)

87-Fr-211

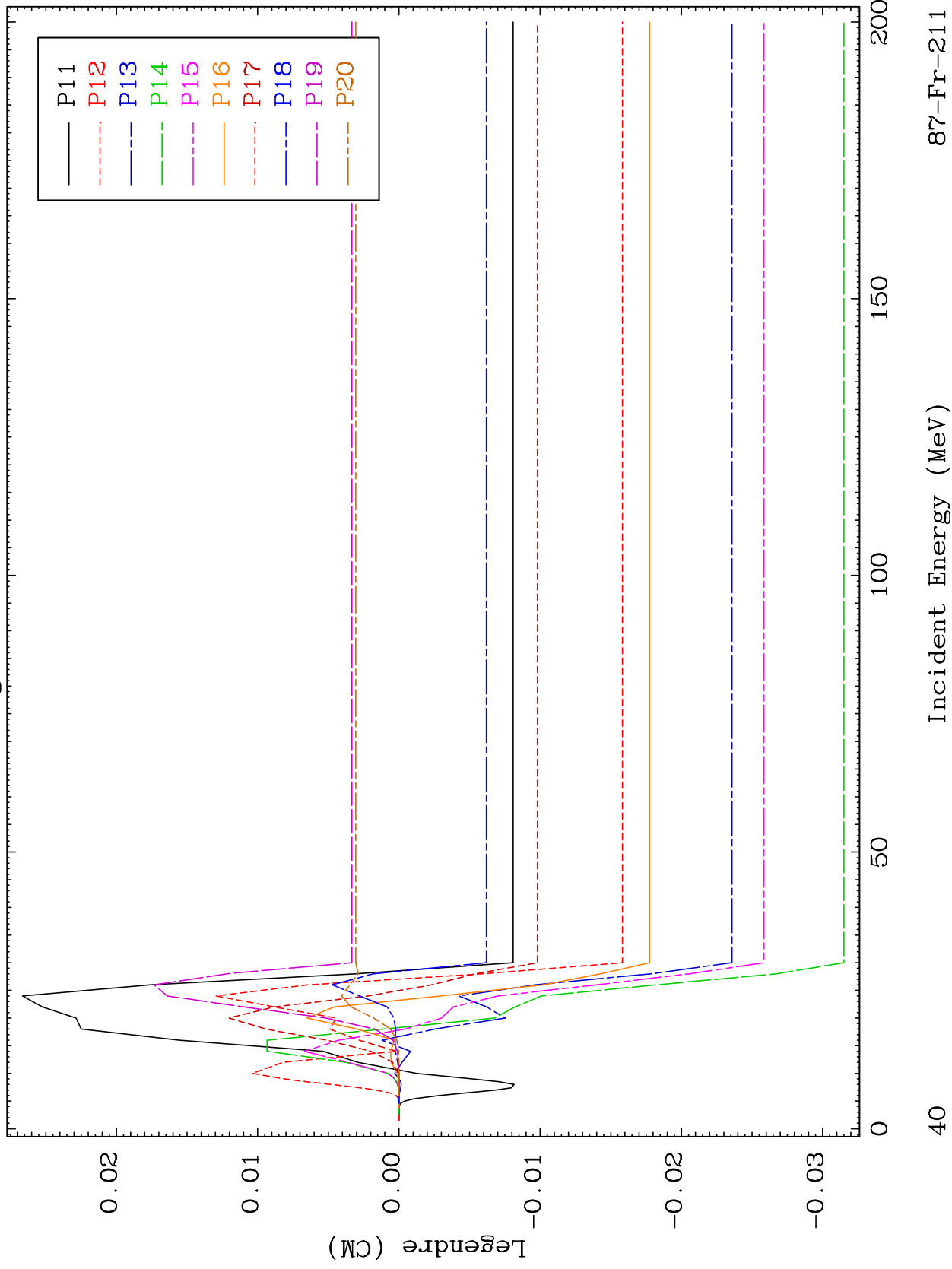




MAT 8722

738.9 keV (n, n') Level  
Legendre Coefficients

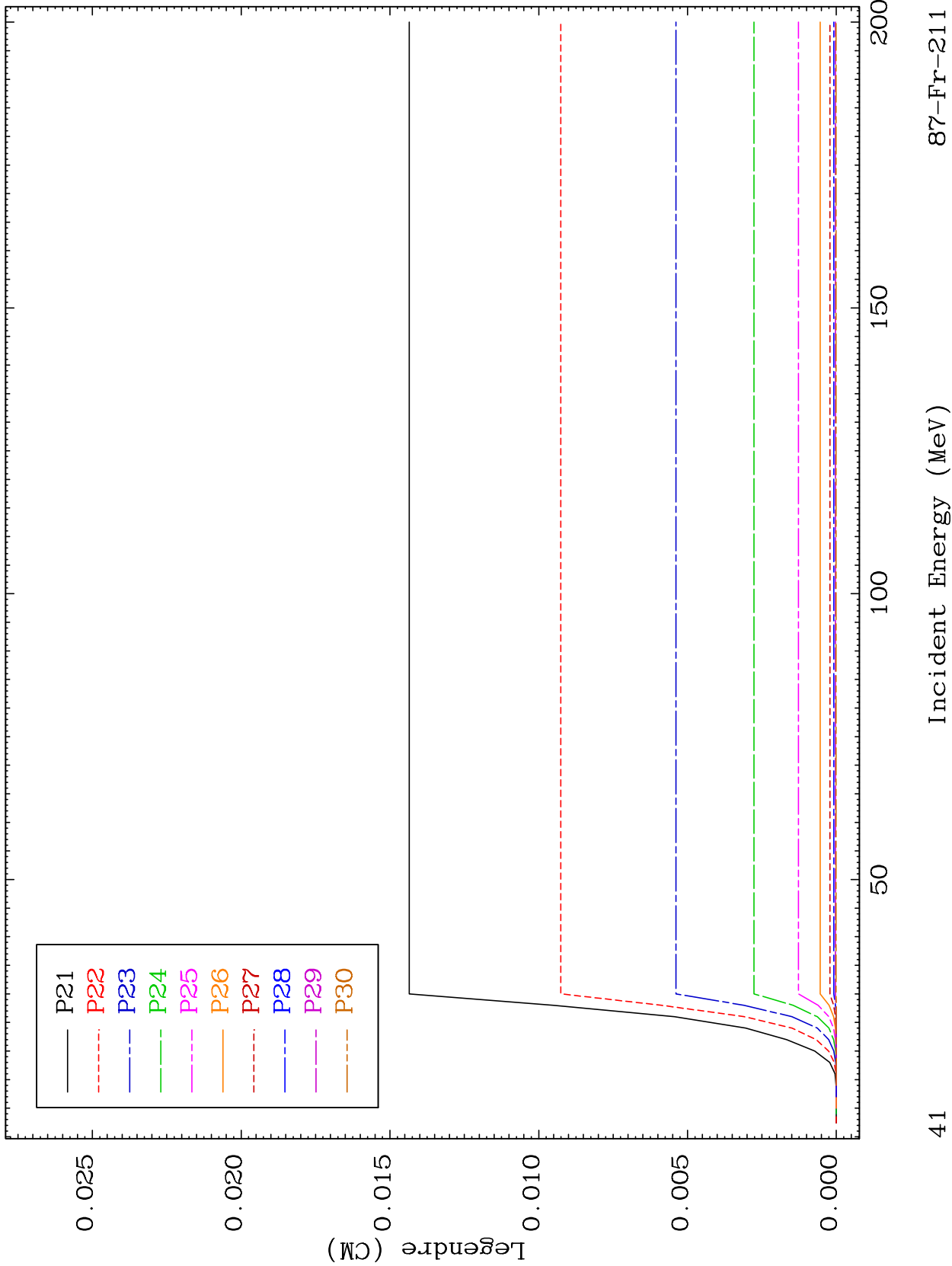
87-Fr-211



87-Fr-211

Incident Energy (MeV)

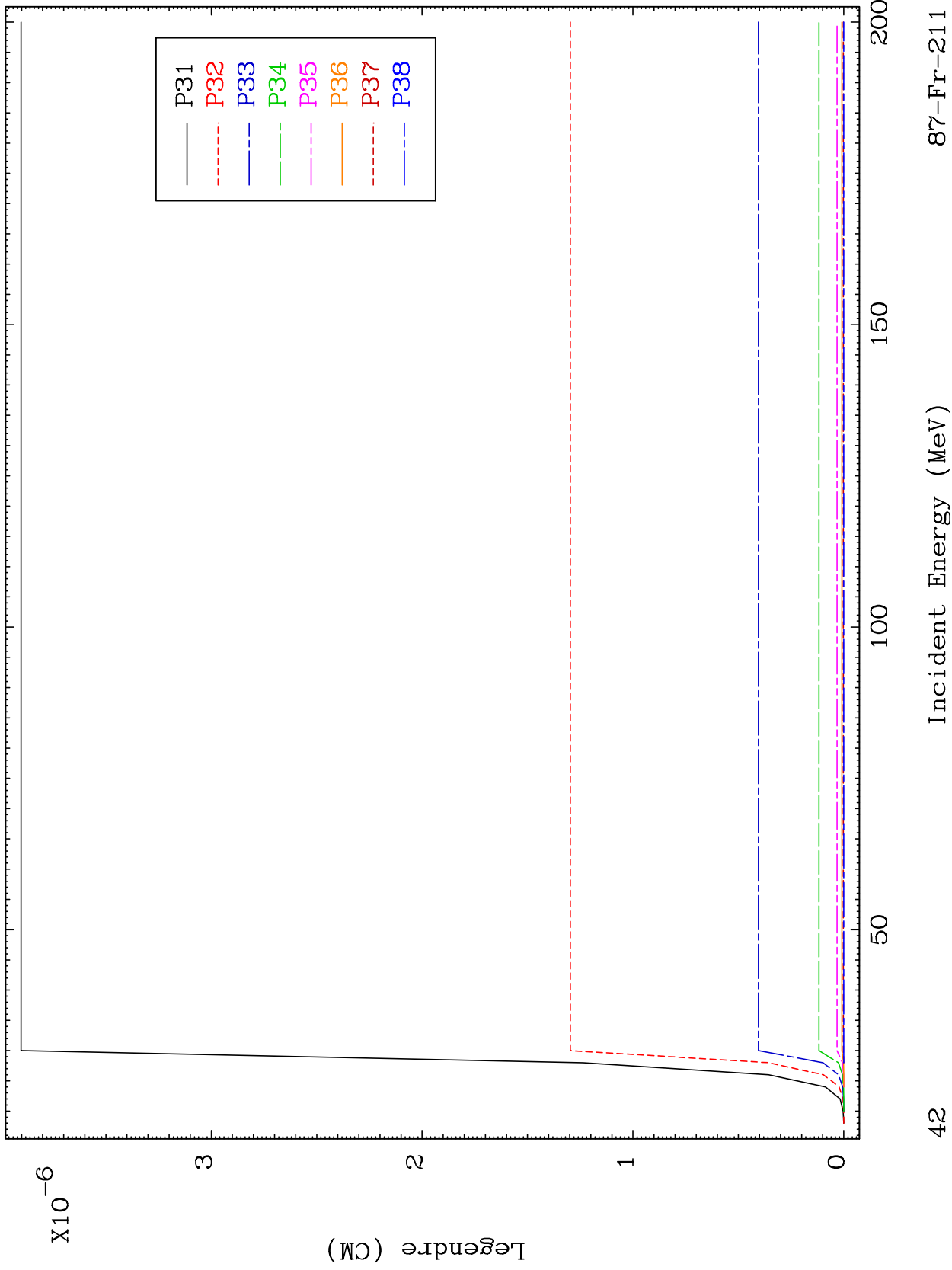
40



MAT 8722

738.9 keV (n,n') Level  
Legendre Coefficients

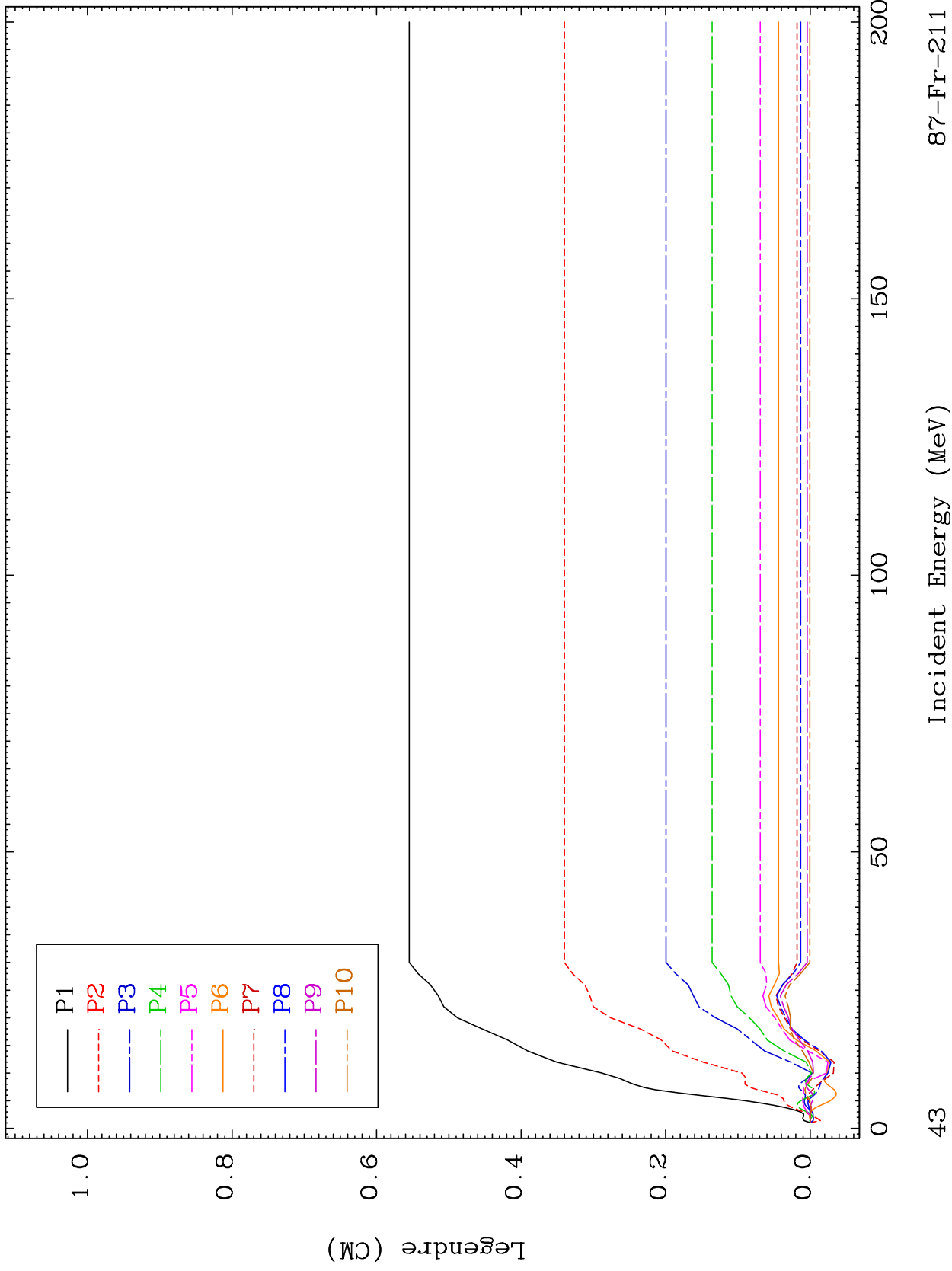
87-Fr-211



MAT 8722

1.027 MeV (n,n') Level  
Legendre Coefficients

87-Fr-211



43

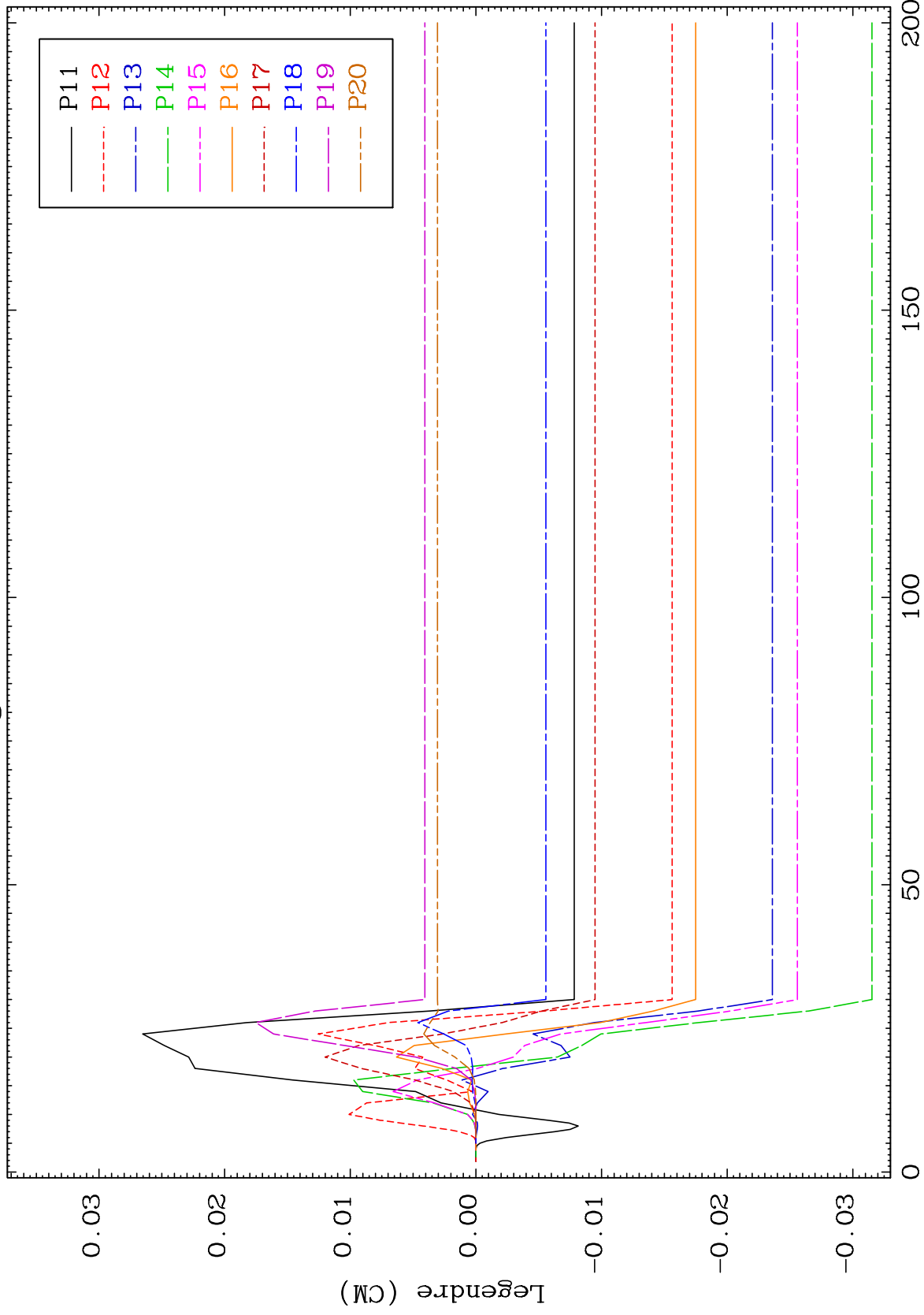
Incident Energy (MeV)

87-Fr-211

MAT 8722

1.027 MeV (n,n') Level  
Legendre Coefficients

87-Fr-211



44

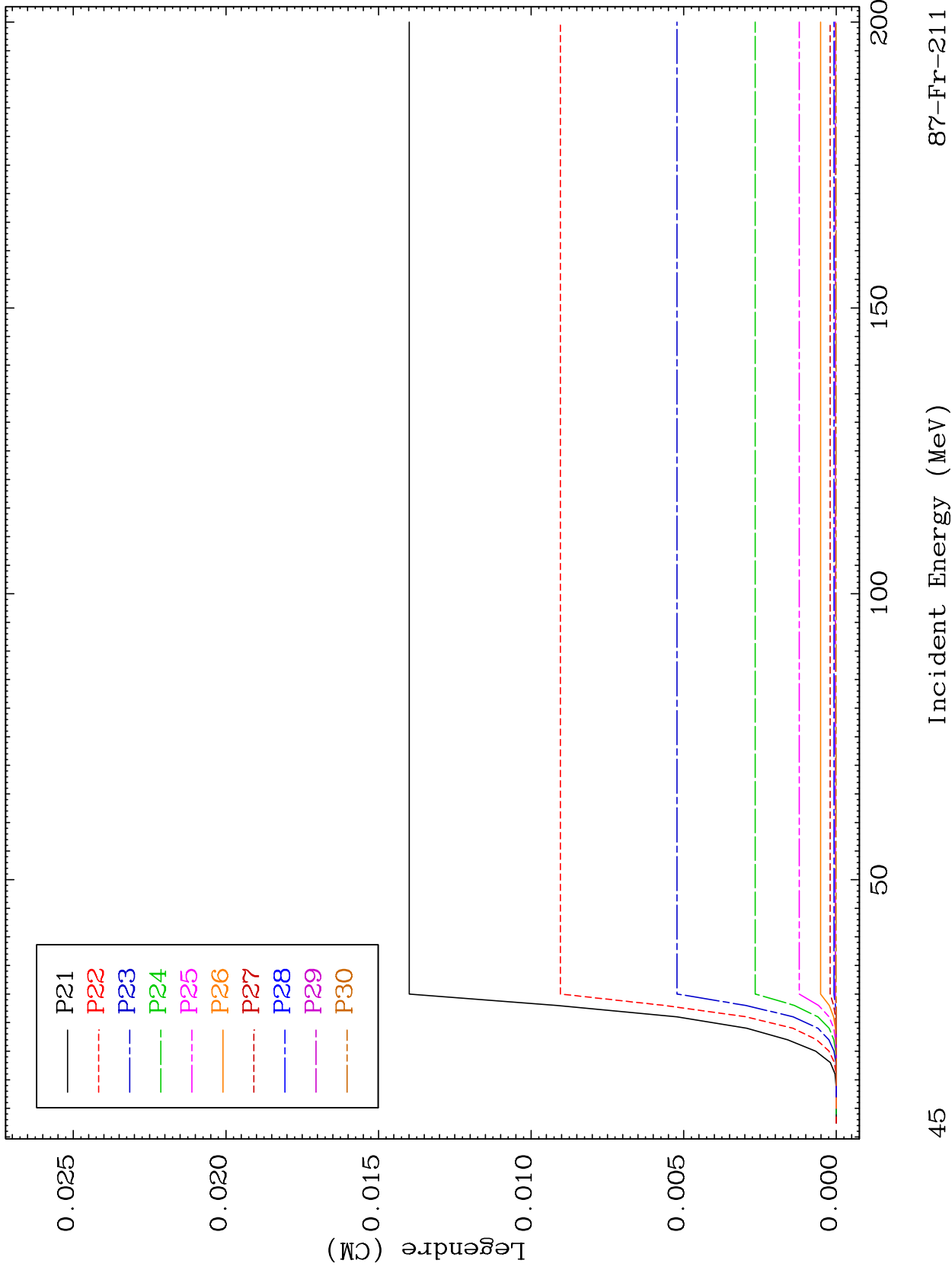
Incident Energy (MeV)

87-Fr-211

MAT 8722

1.027 MeV (n,n') Level  
Legendre Coefficients

87-Fr-211



45

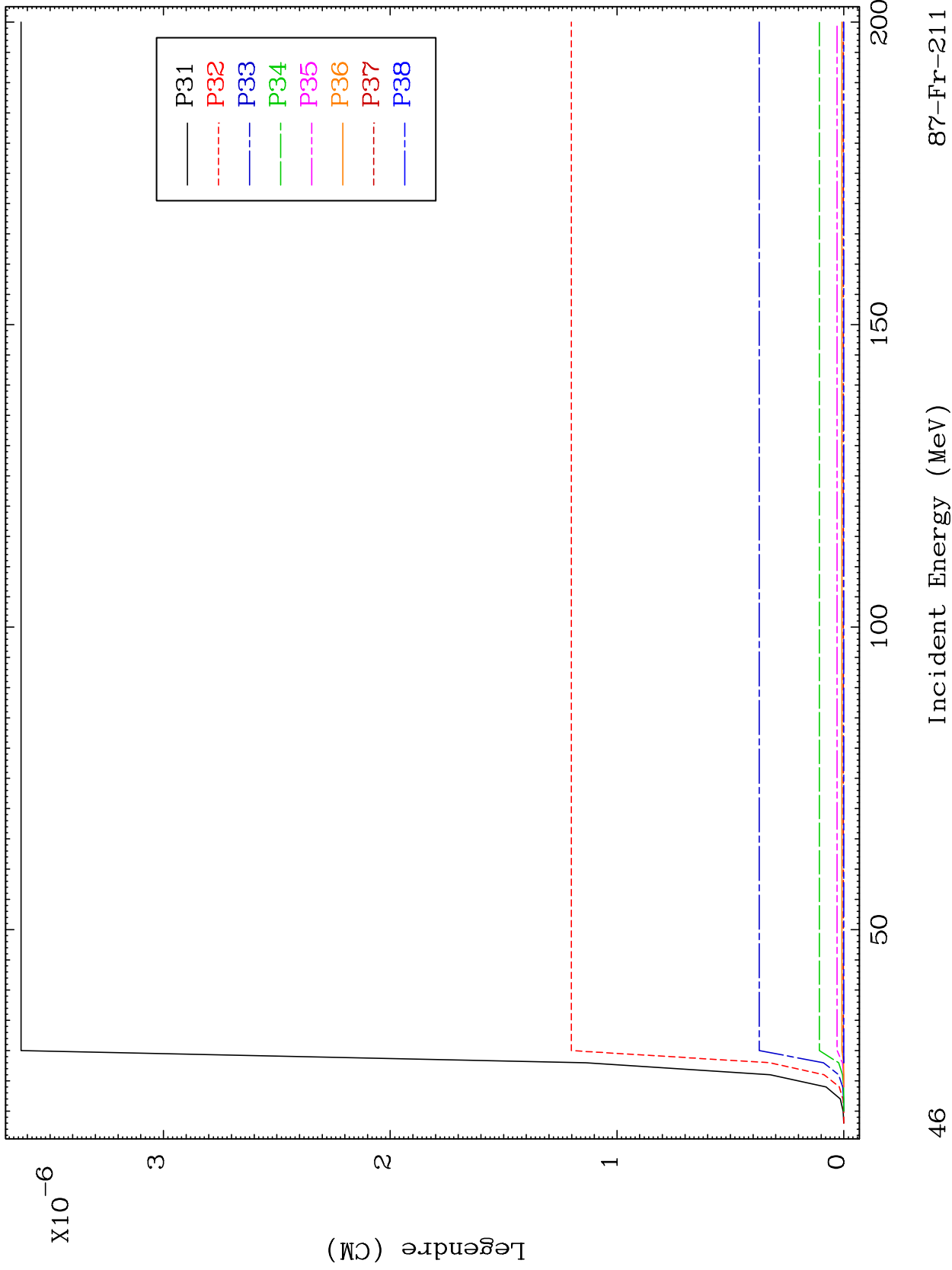
Incident Energy (MeV)

87-Fr-211

MAT 8722

1.027 MeV (n,n') Level  
Legendre Coefficients

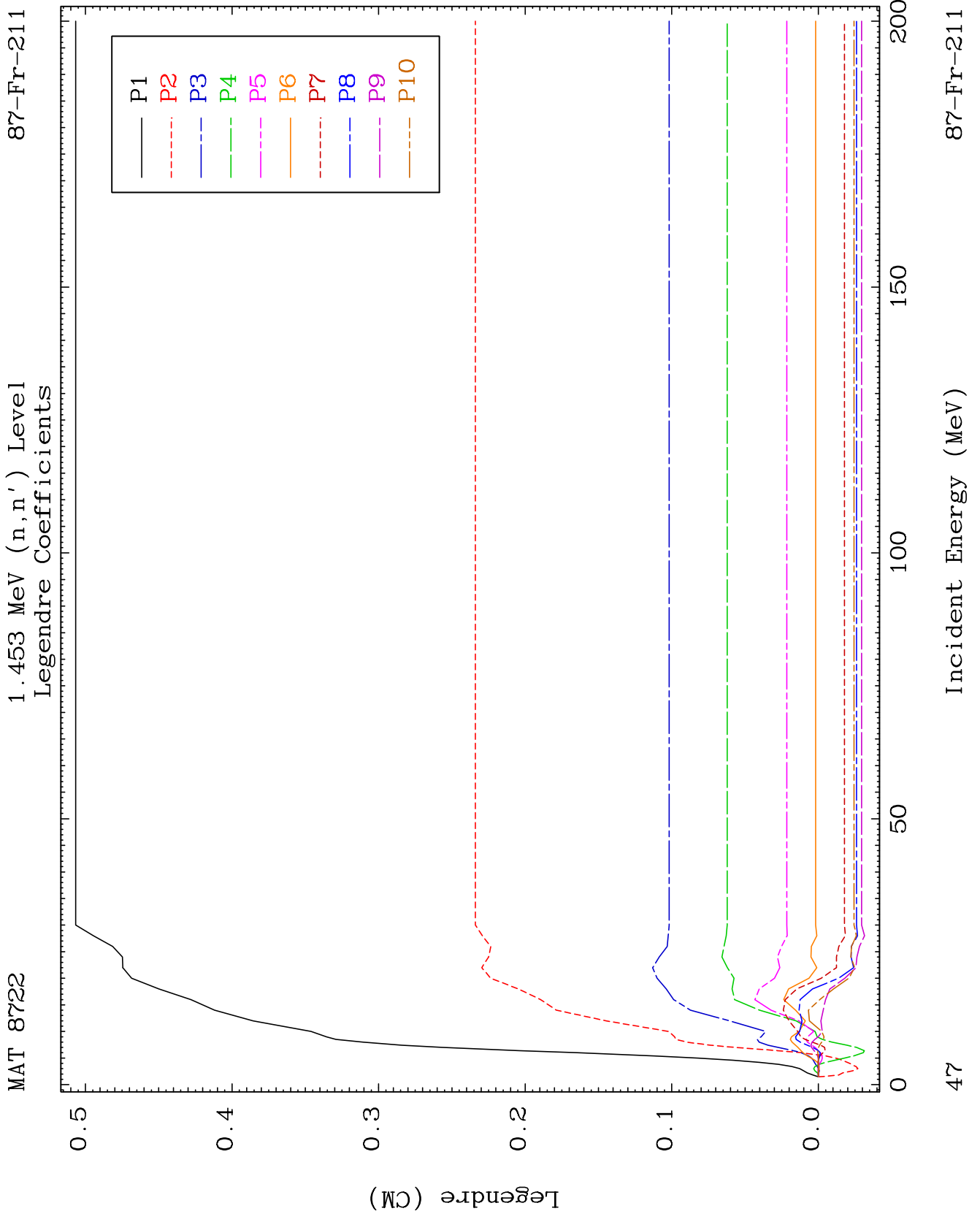
87-Fr-211



46

Incident Energy (MeV)

87-Fr-211

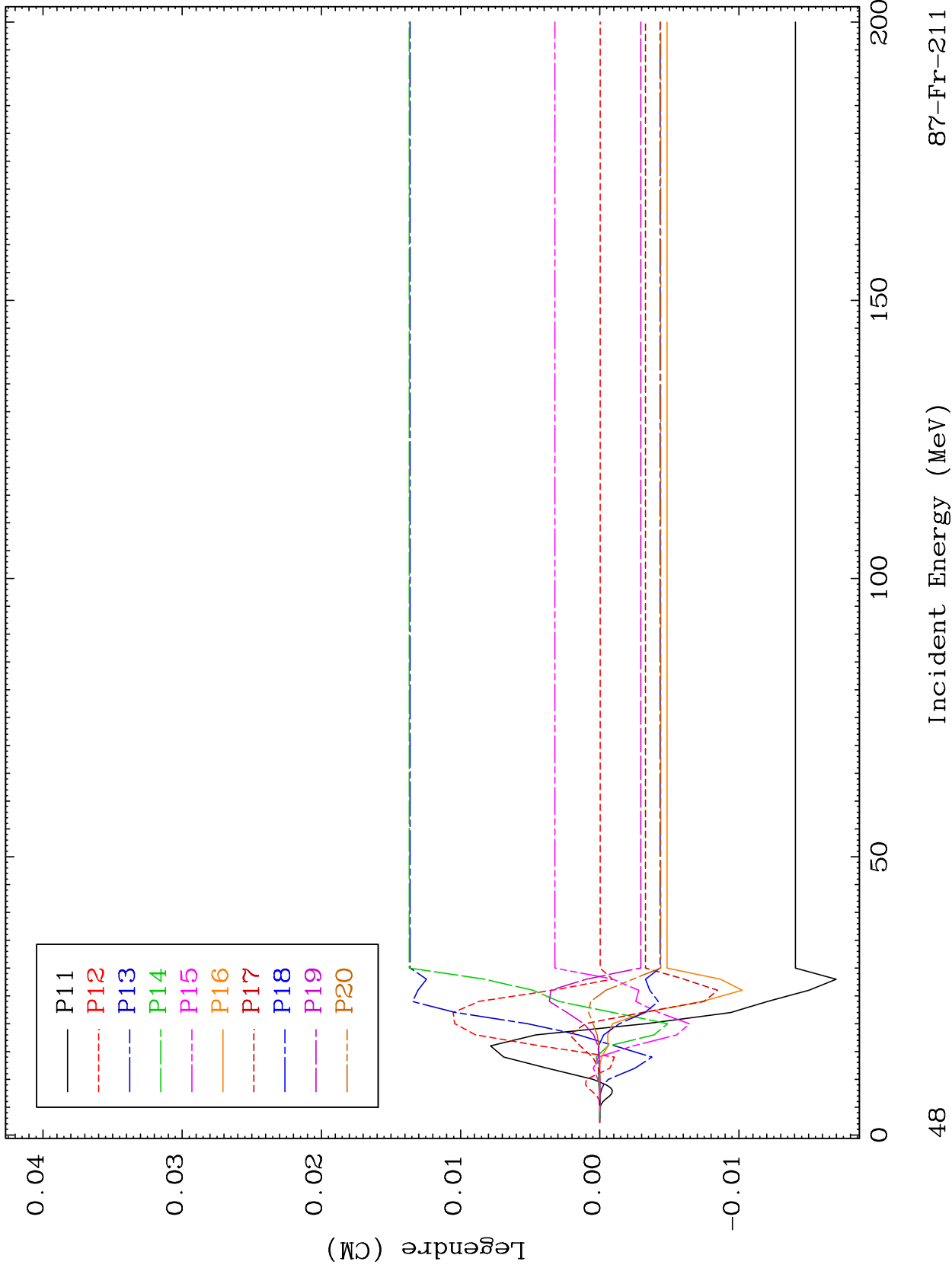




MAT 8722

1.453 MeV (n, n') Level  
Legendre Coefficients

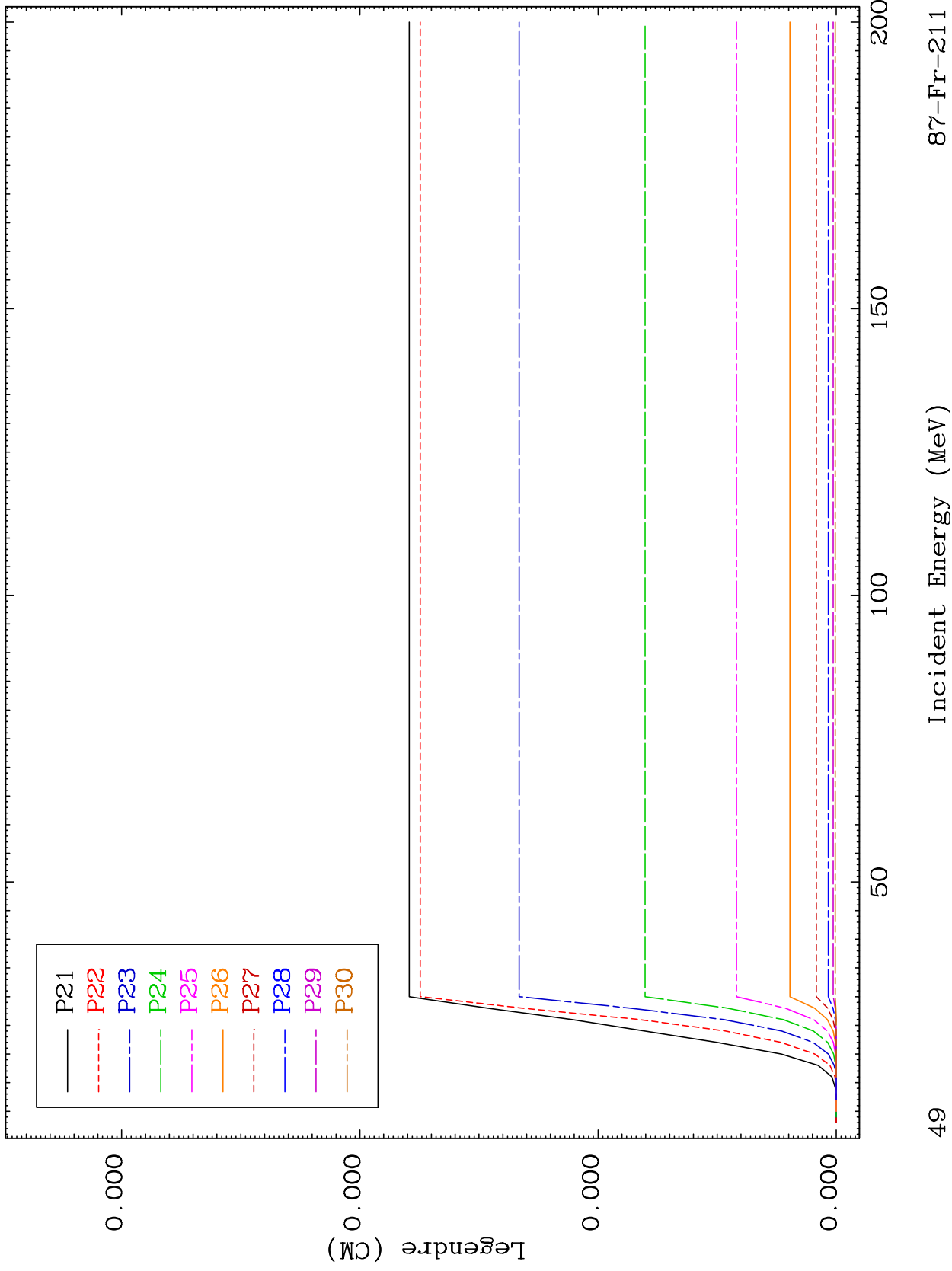
87-Fr-211



48

Incident Energy (MeV)

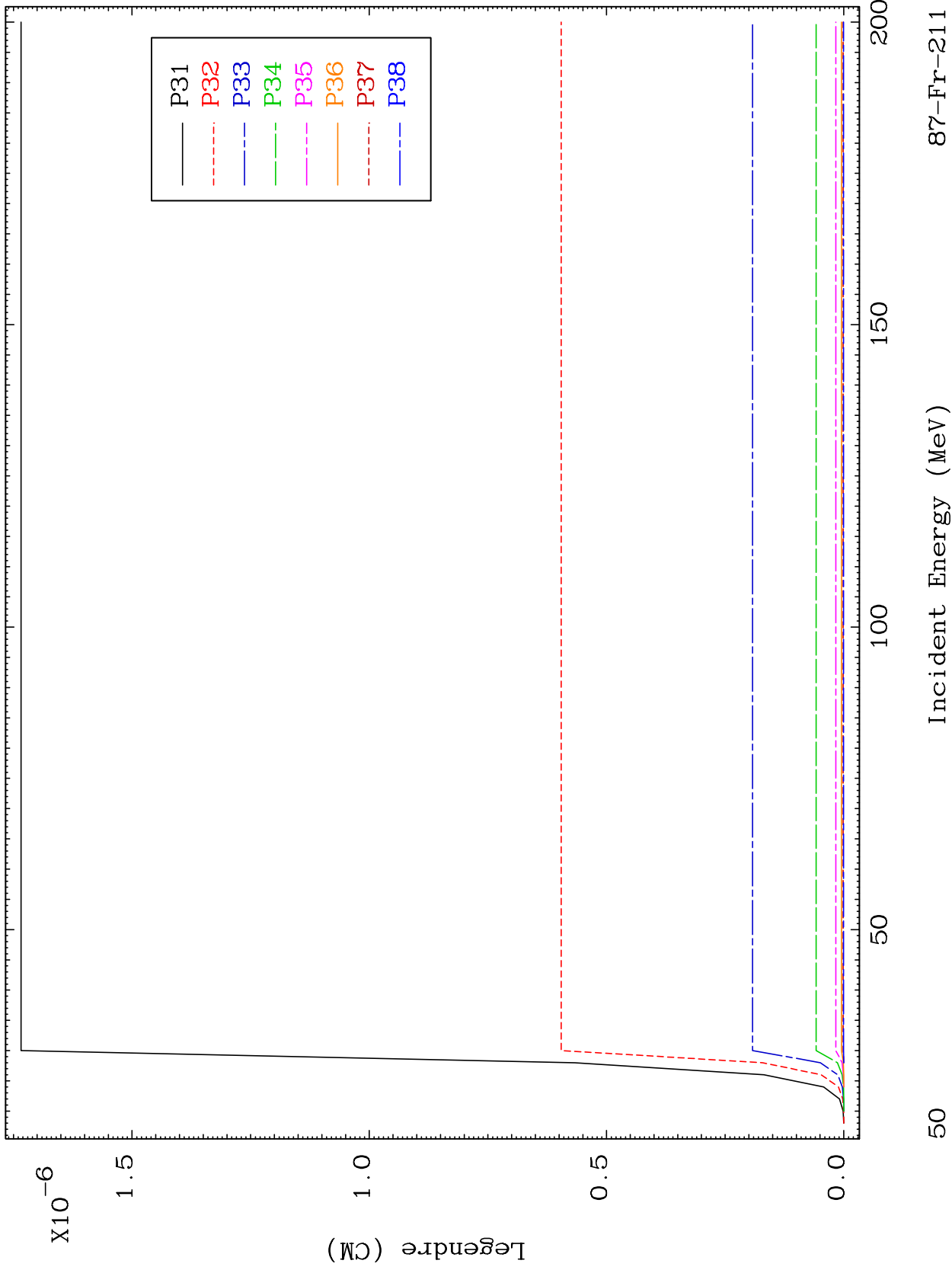
87-Fr-211



MAT 87222

1.453 MeV (n,n') Level  
Legendre Coefficients

87-Fr-211

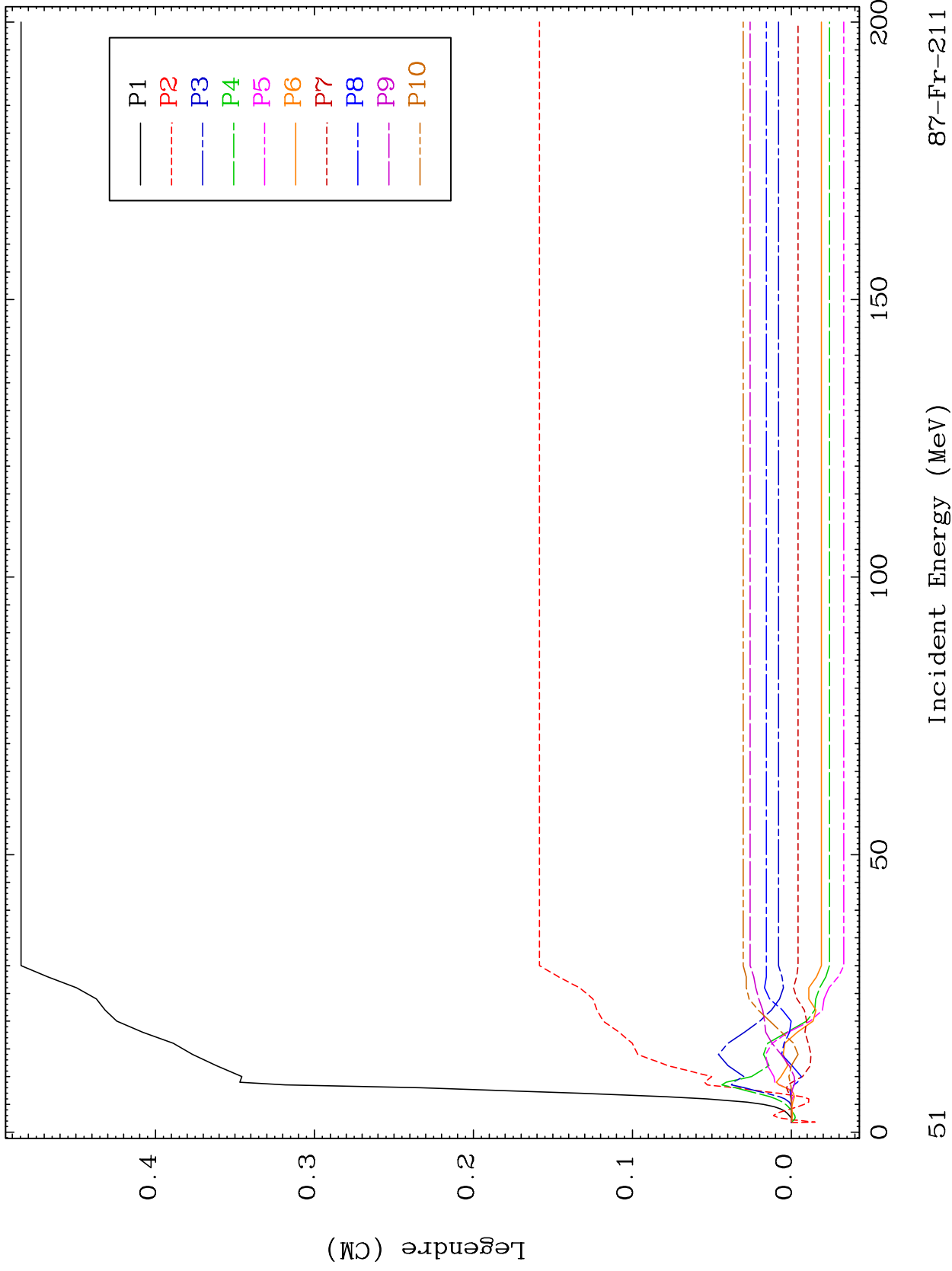


87-Fr-211

MAT 8722

1.686 MeV (n,n') Level  
Legendre Coefficients

87-Fr-211



87-Fr-211

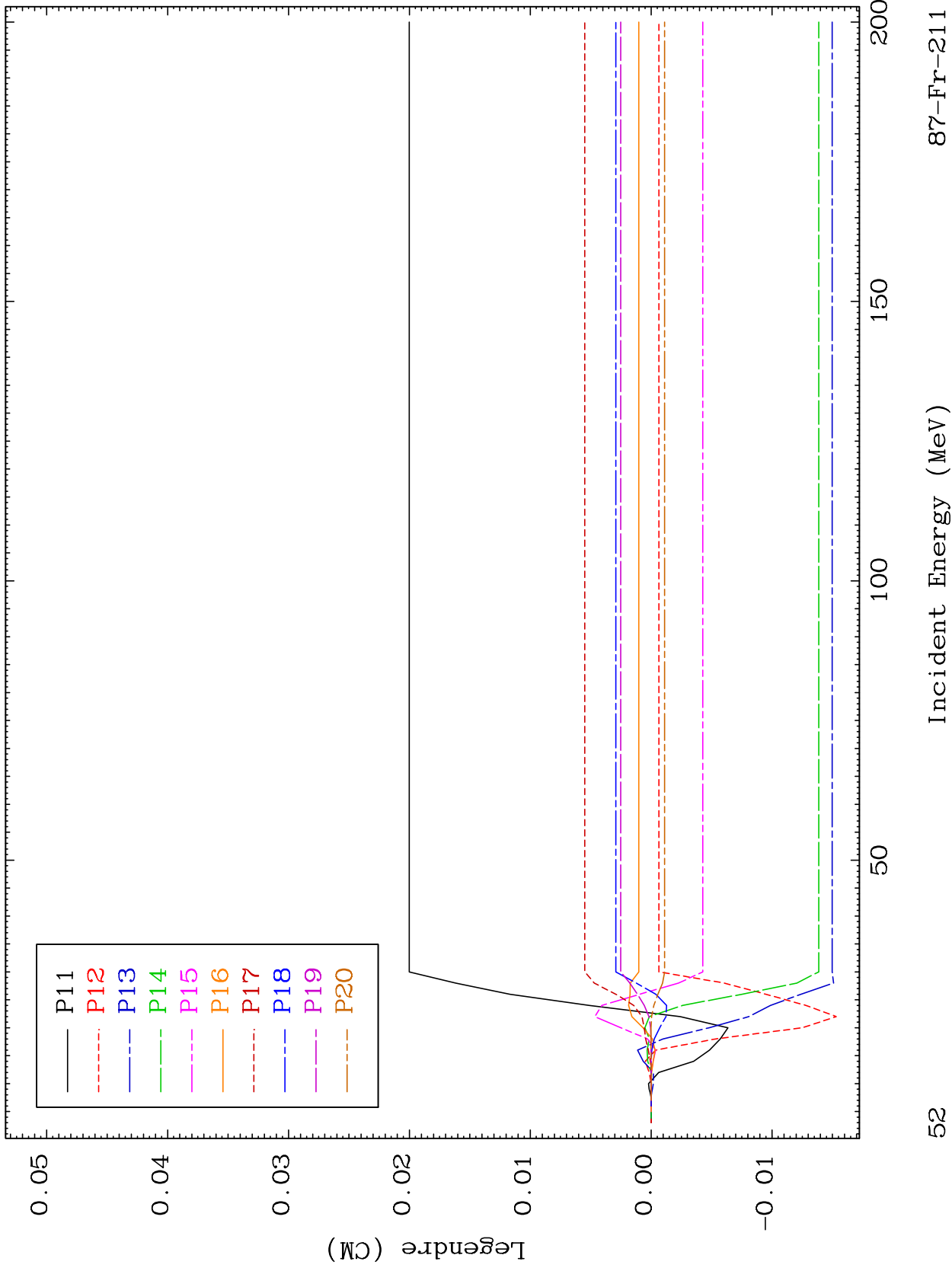
Incident Energy (MeV)

51

MAT 87222

1.686 MeV (n,n') Level  
Legendre Coefficients

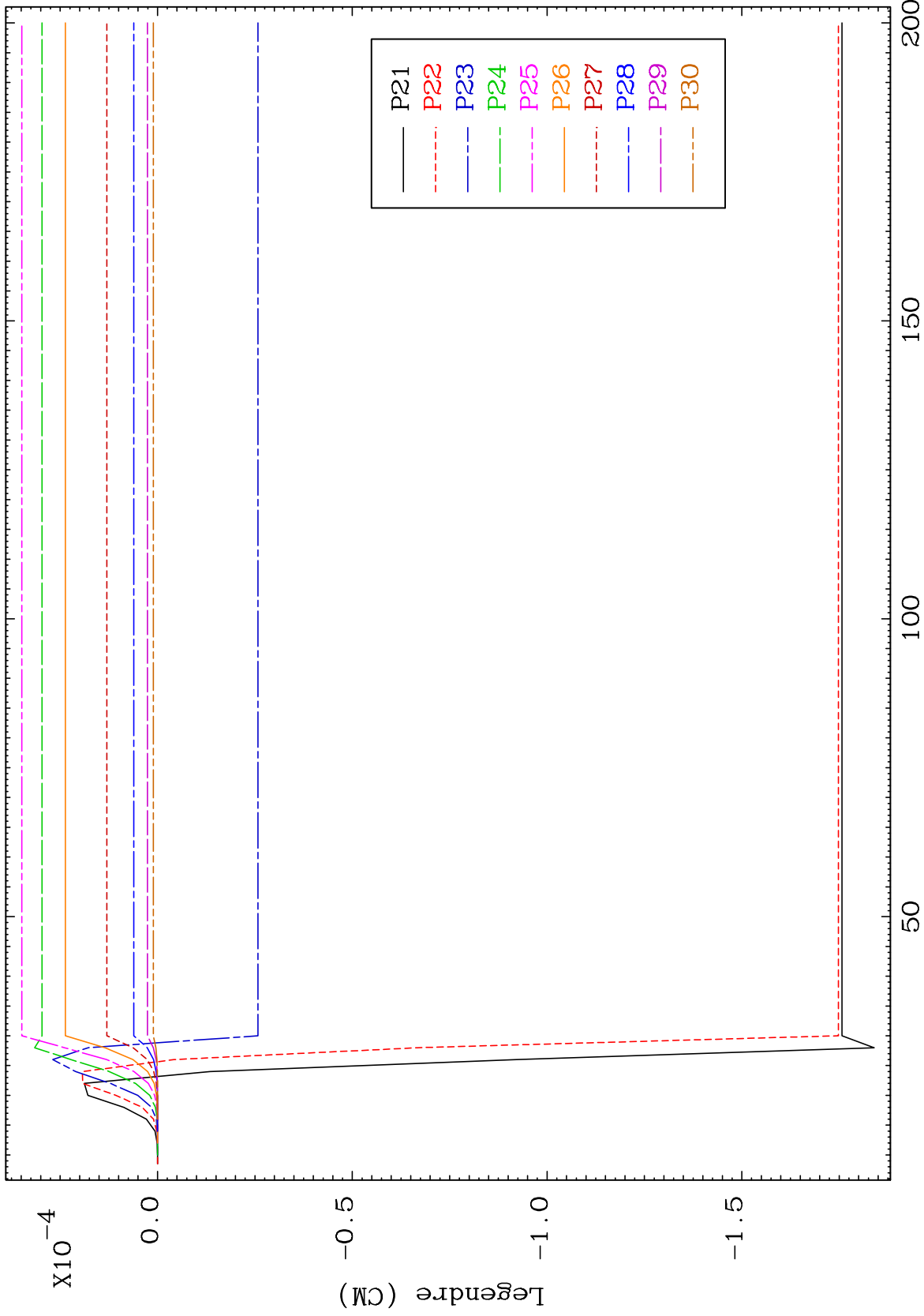
87-Fr-211



52

Incident Energy (MeV)

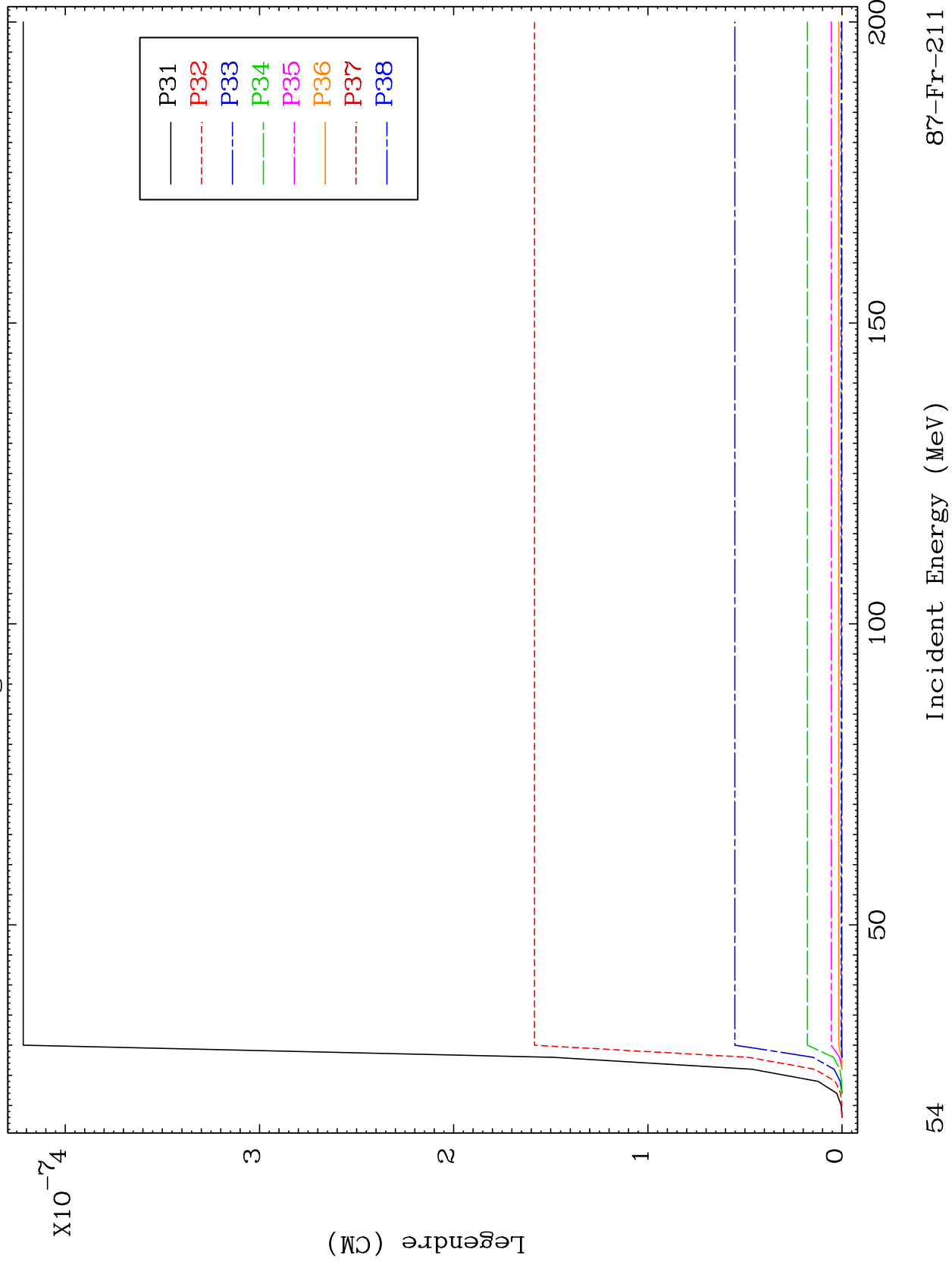
87-Fr-211



MAT 8722

1.686 MeV (n,n') Level  
Legendre Coefficients

87-Fr-211



54

Incident Energy (MeV)

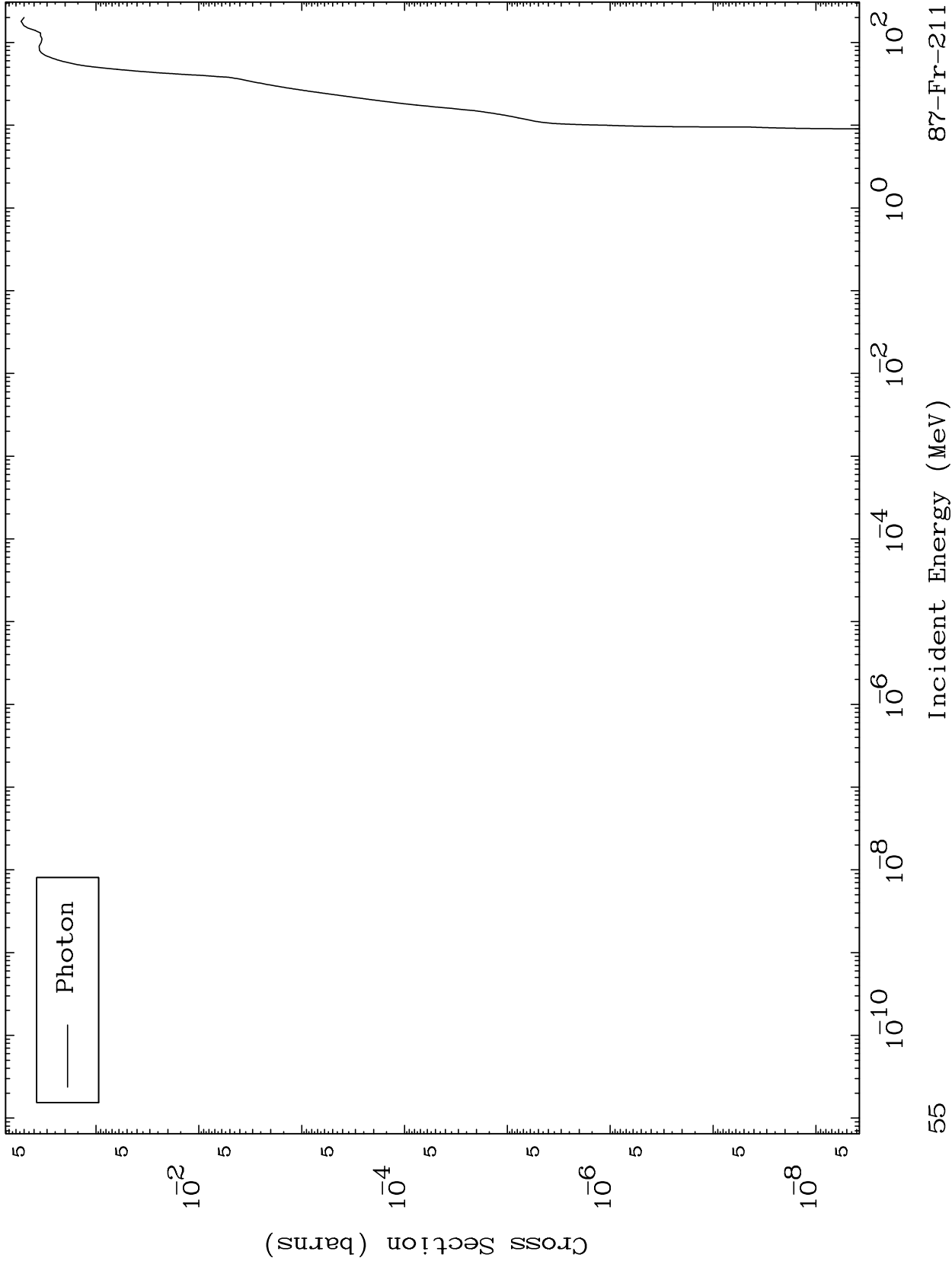
87-Fr-211

MAT 8722

Fission

87-Fr-211

Radionuclide Production Cross Section



55

Incident Energy (MeV)

87-Fr-211

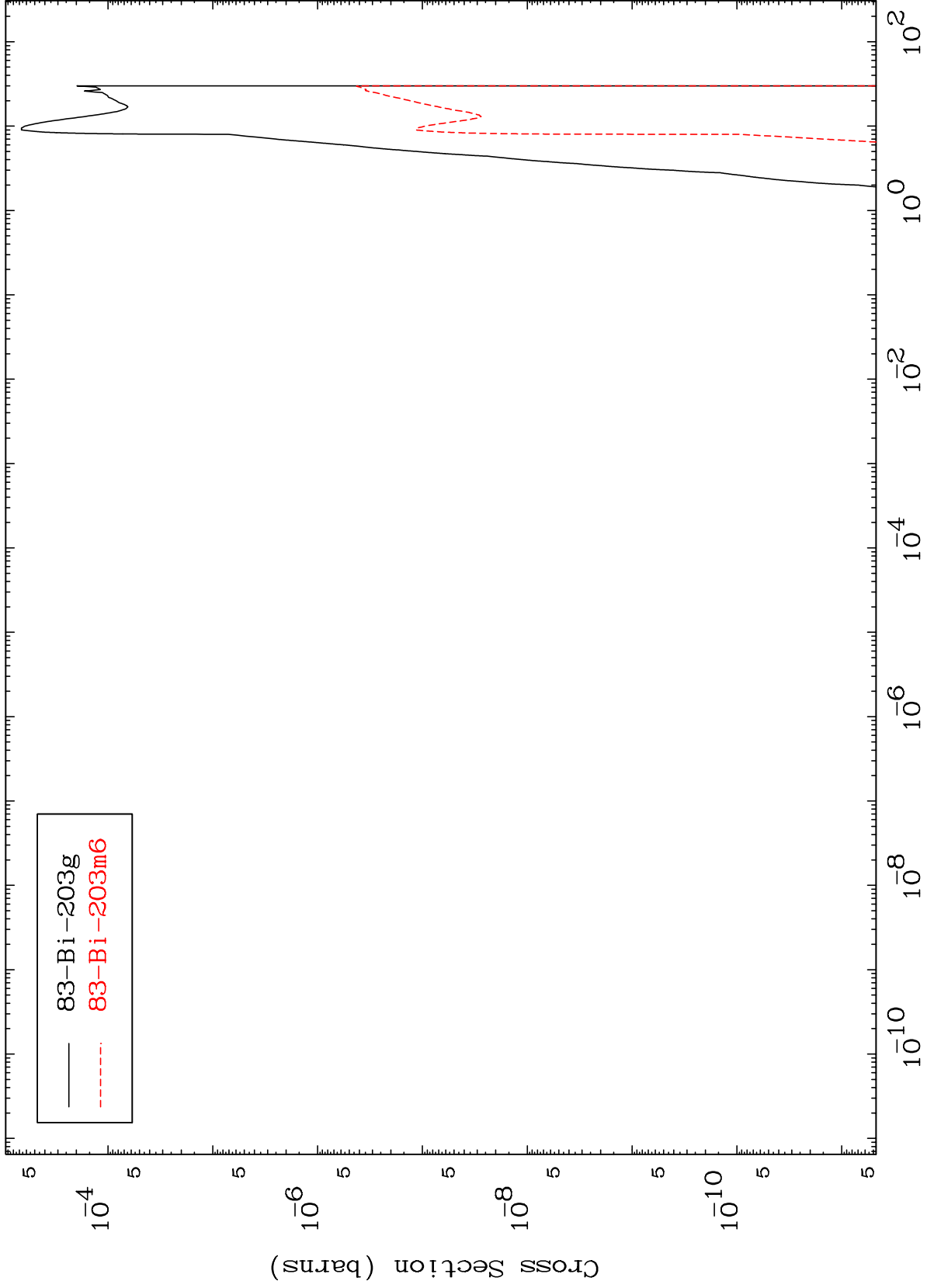


MAT 8722

(n,n') 2α

87-Fr-211

Radionuclide Production Cross Section



56

Incident Energy (MeV)

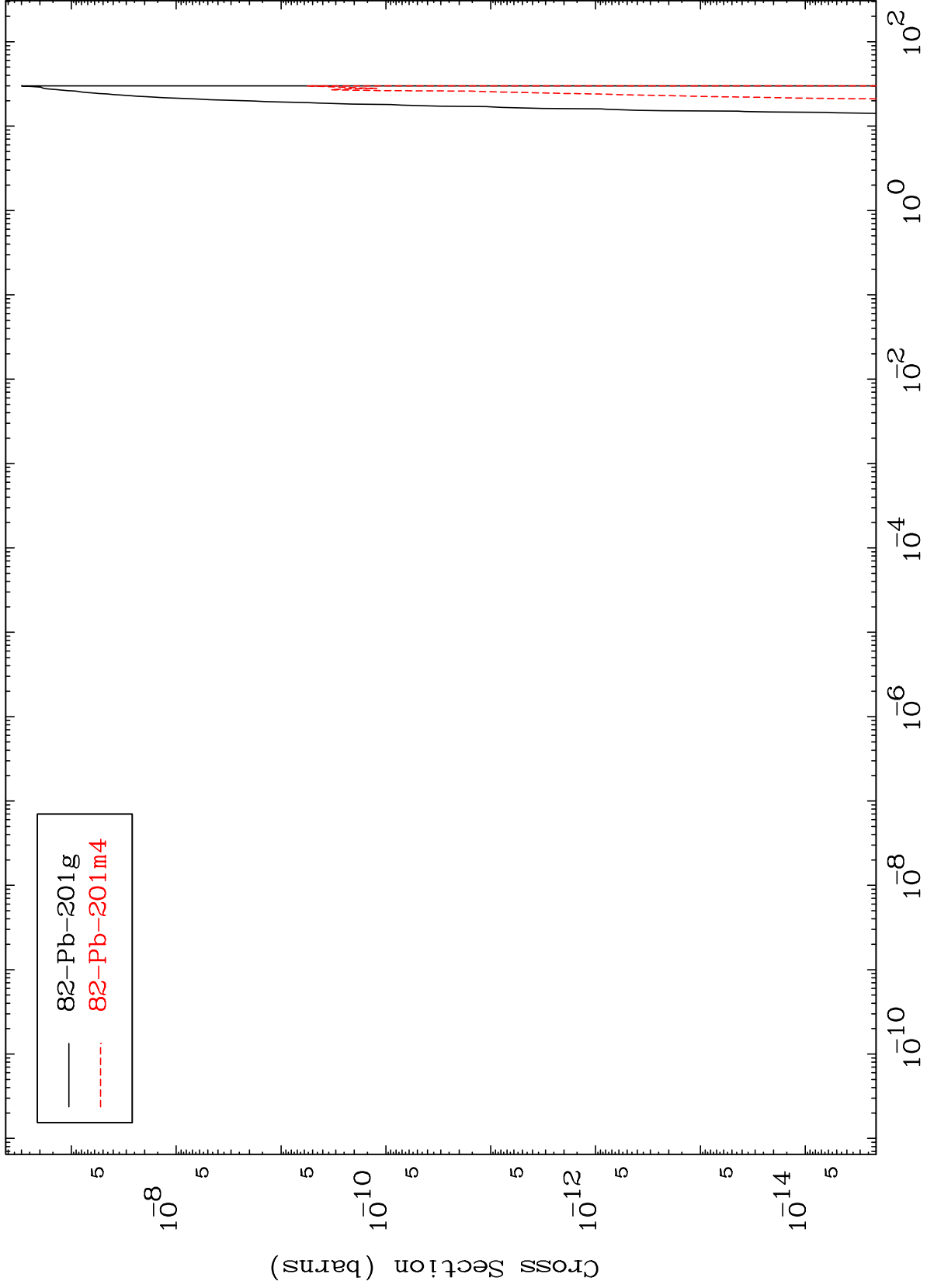
87-Fr-211

MAT 8722

(n,n') d,2α

87-Fr-211

Radionuclide Production Cross Section



82-Pb-201g  
82-Pb-201m4

Incident Energy (MeV)

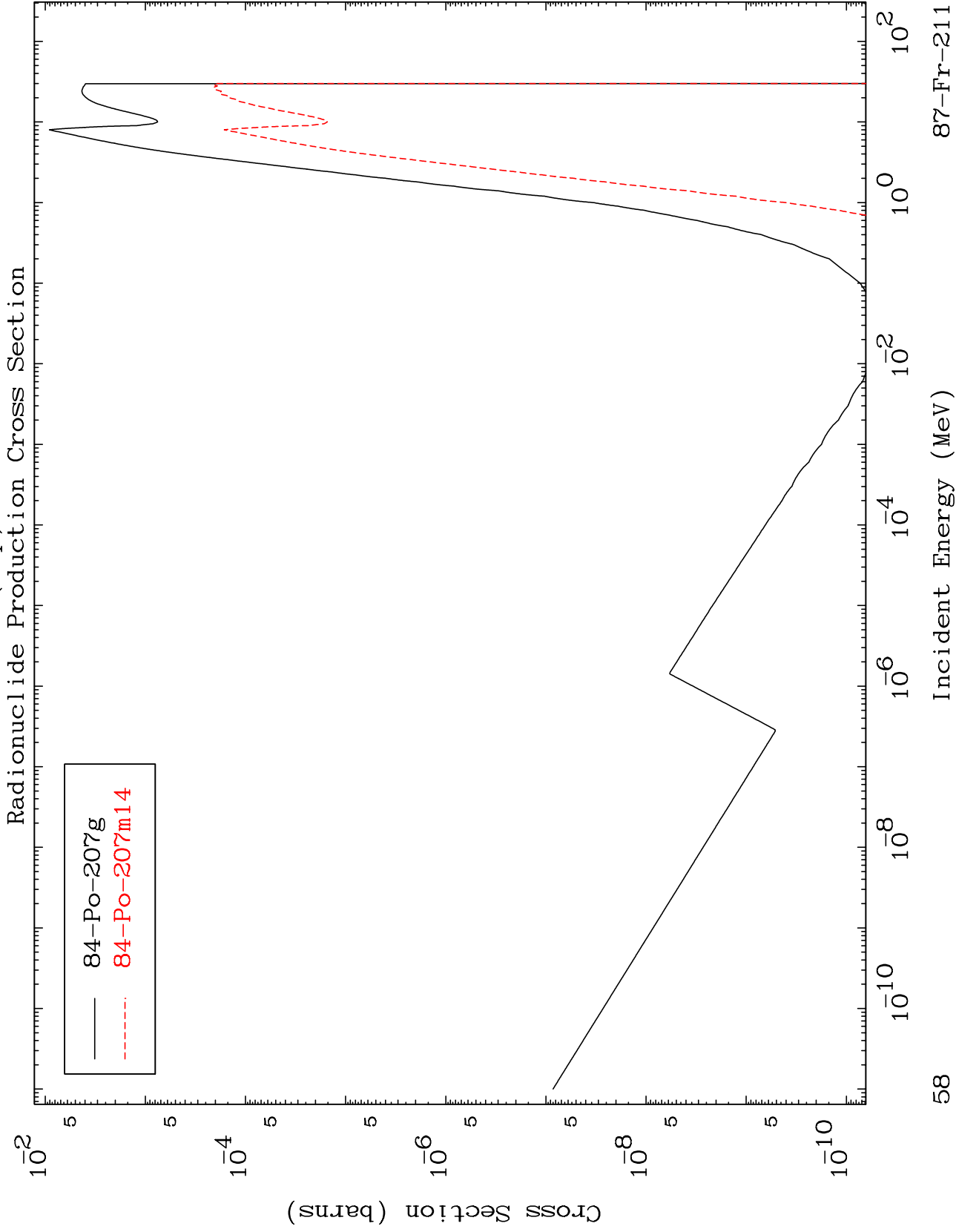
87-Fr-211

57

MAT 8722

(n,p)  $\alpha$

87-Fr-211

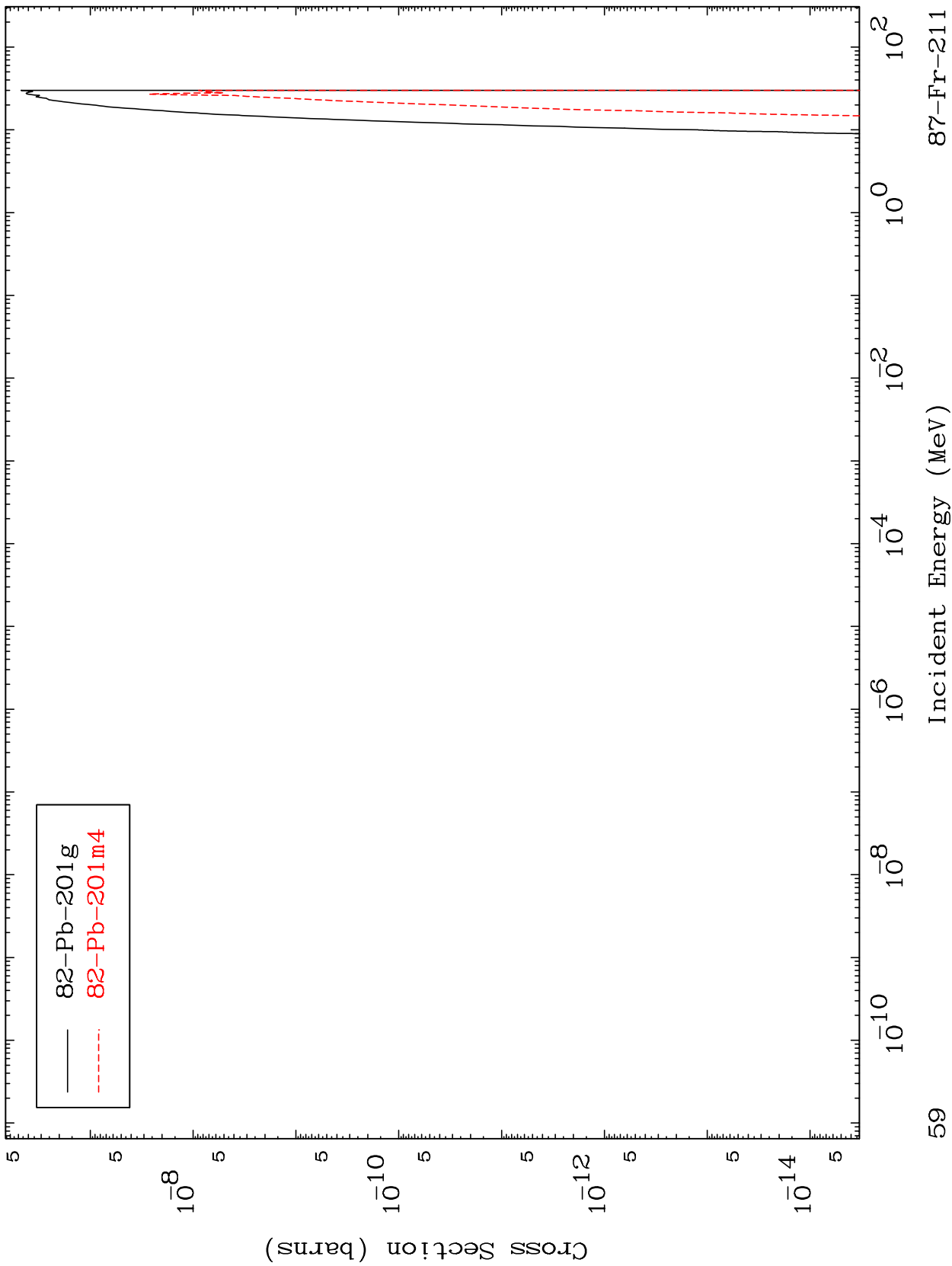


MAT 8722

(n,t) 2 $\alpha$

87-Fr-211

Radionuclide Production Cross Section



59

Incident Energy (MeV)

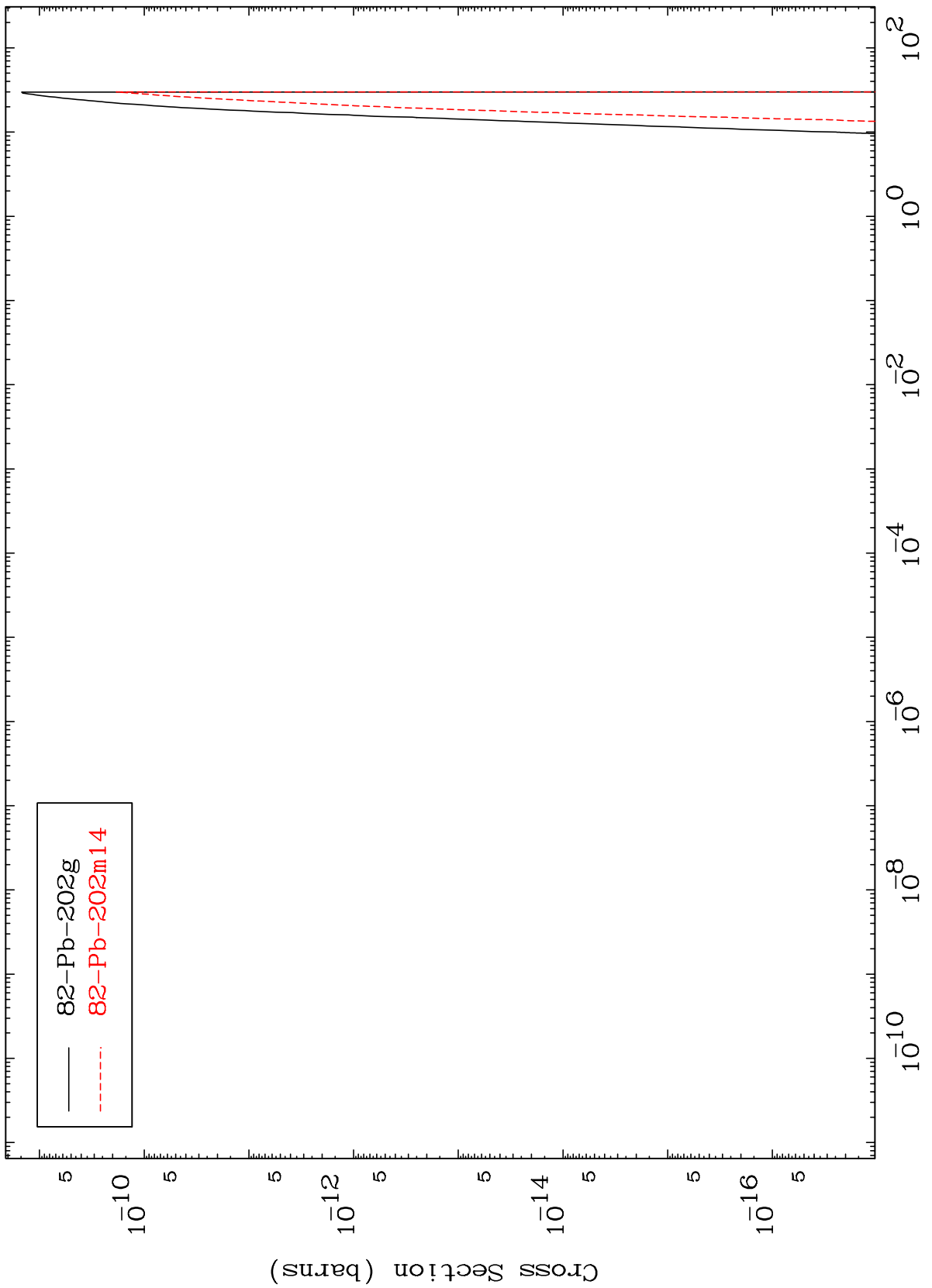
87-Fr-211

MAT 8722

(n,d)  $2\alpha$

87-Fr-211

Radionuclide Production Cross Section



60

Incident Energy (MeV)

87-Fr-211