

Program EVALPLOT  
(Version 2018-1)

by

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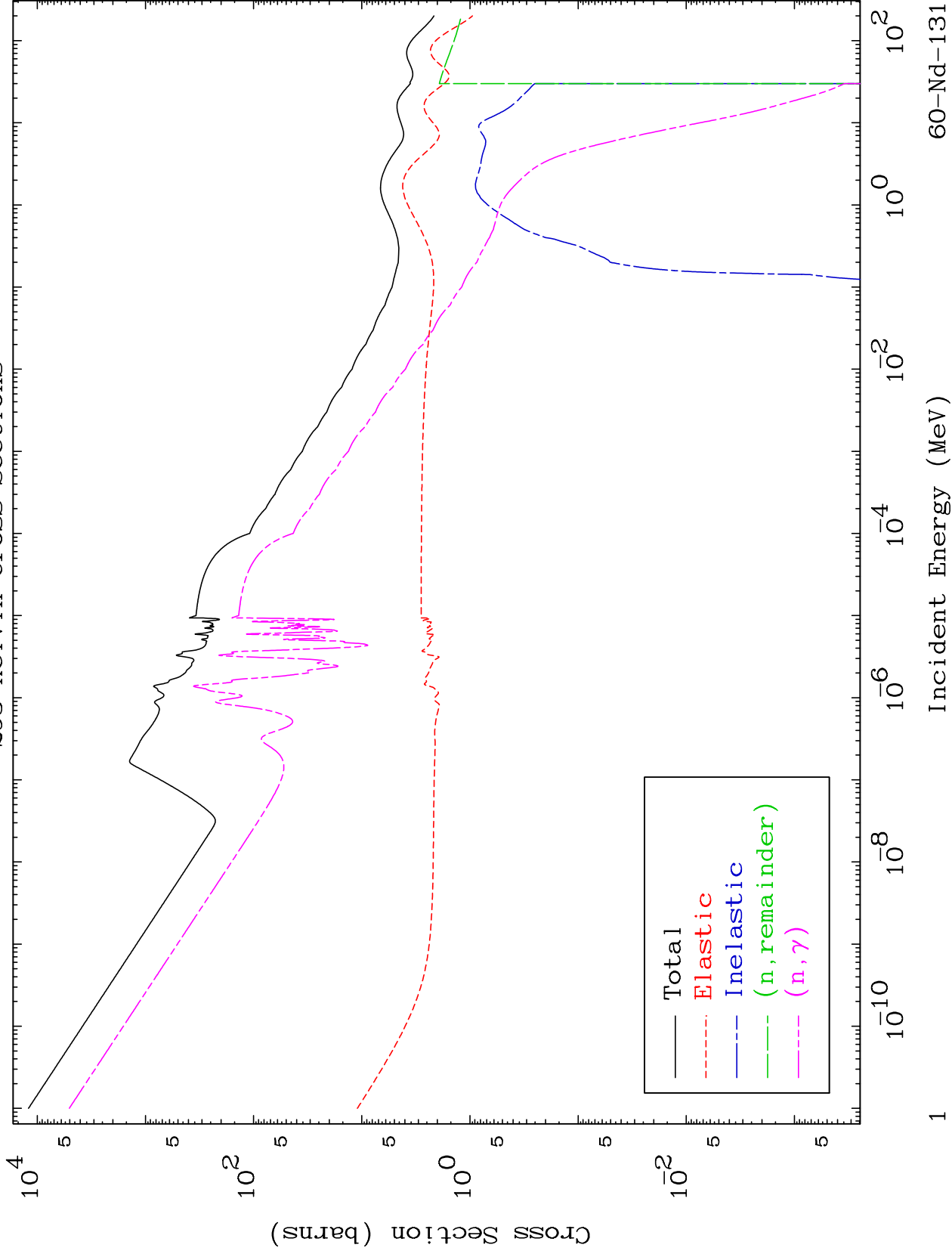
Press Mouse Button to Start

MAT 5992

Major

293 Kelvin Cross Sections

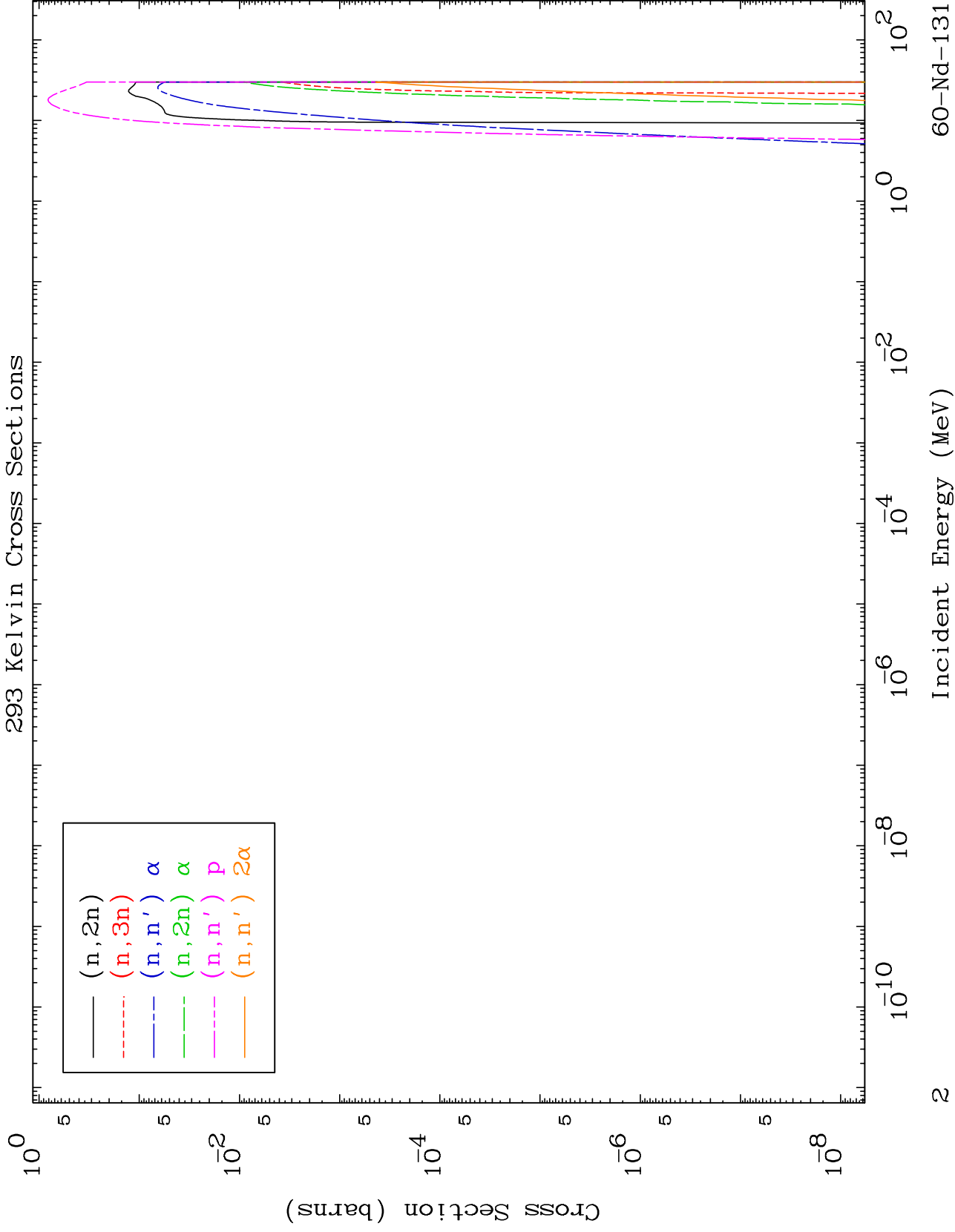
60-Nd-131

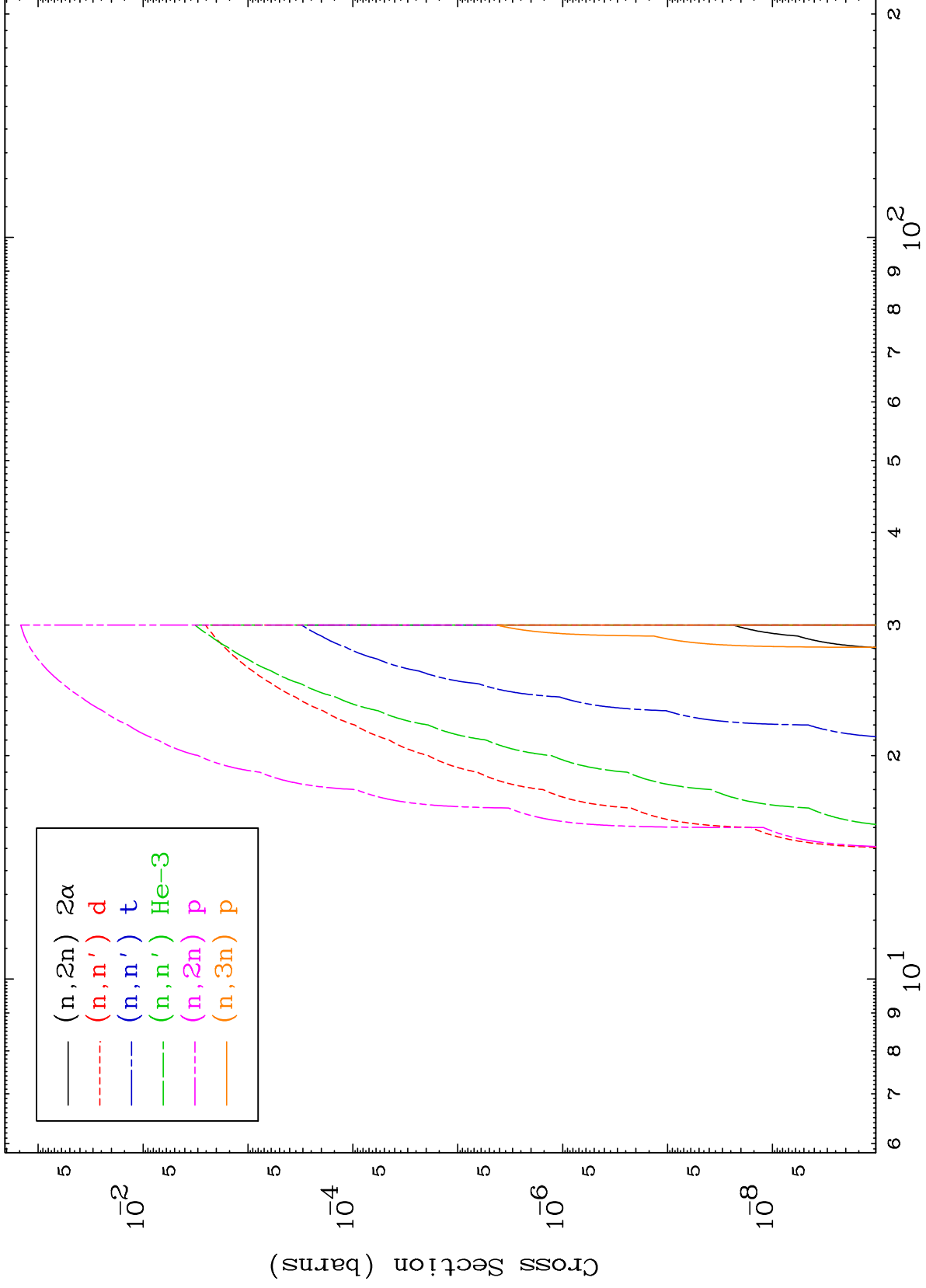


MAT 5992

Neutron Production  
293 Kelvin Cross Sections

60-Nd-131

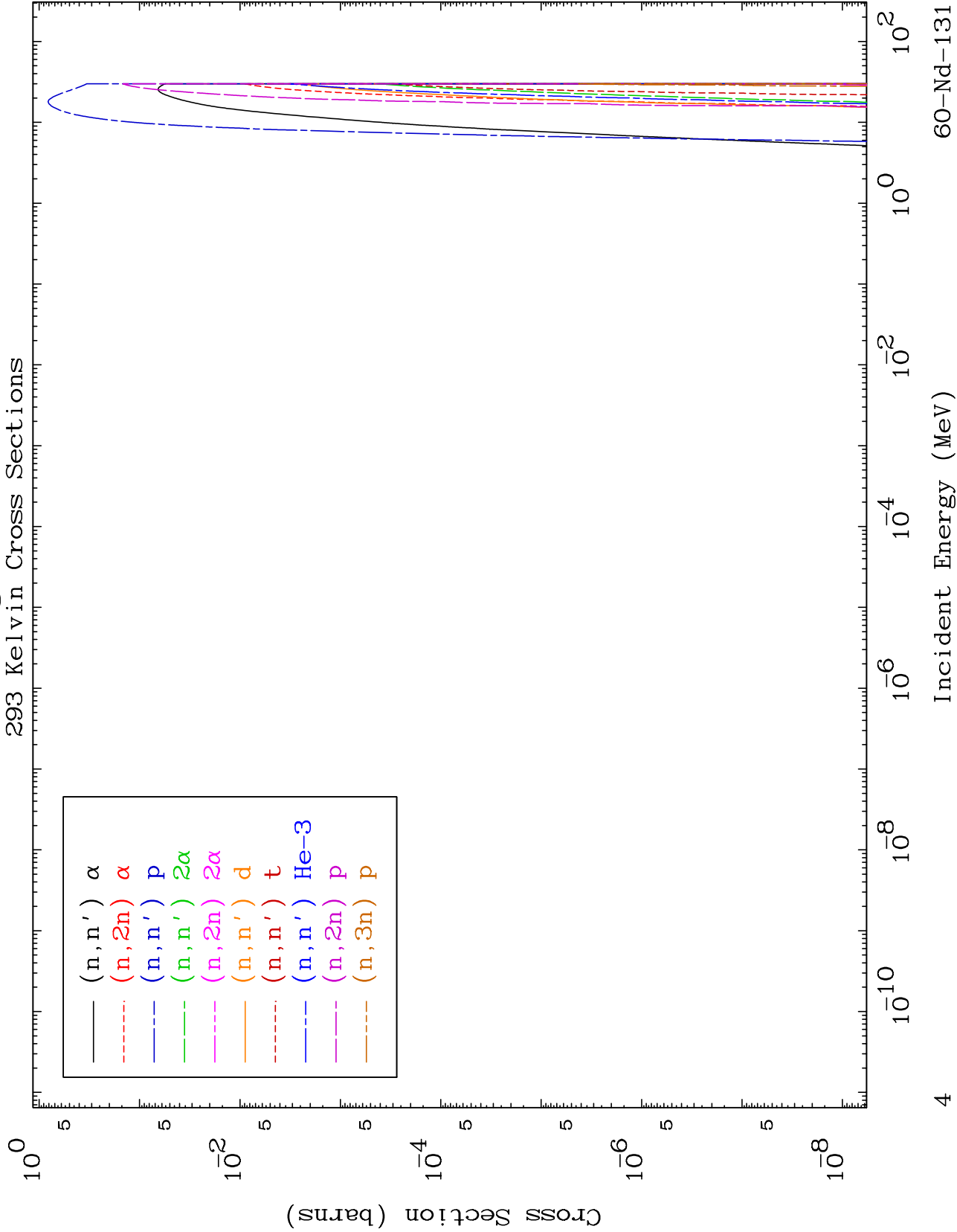




MAT 5992

Charged Particle  
293 Kelvin Cross Sections

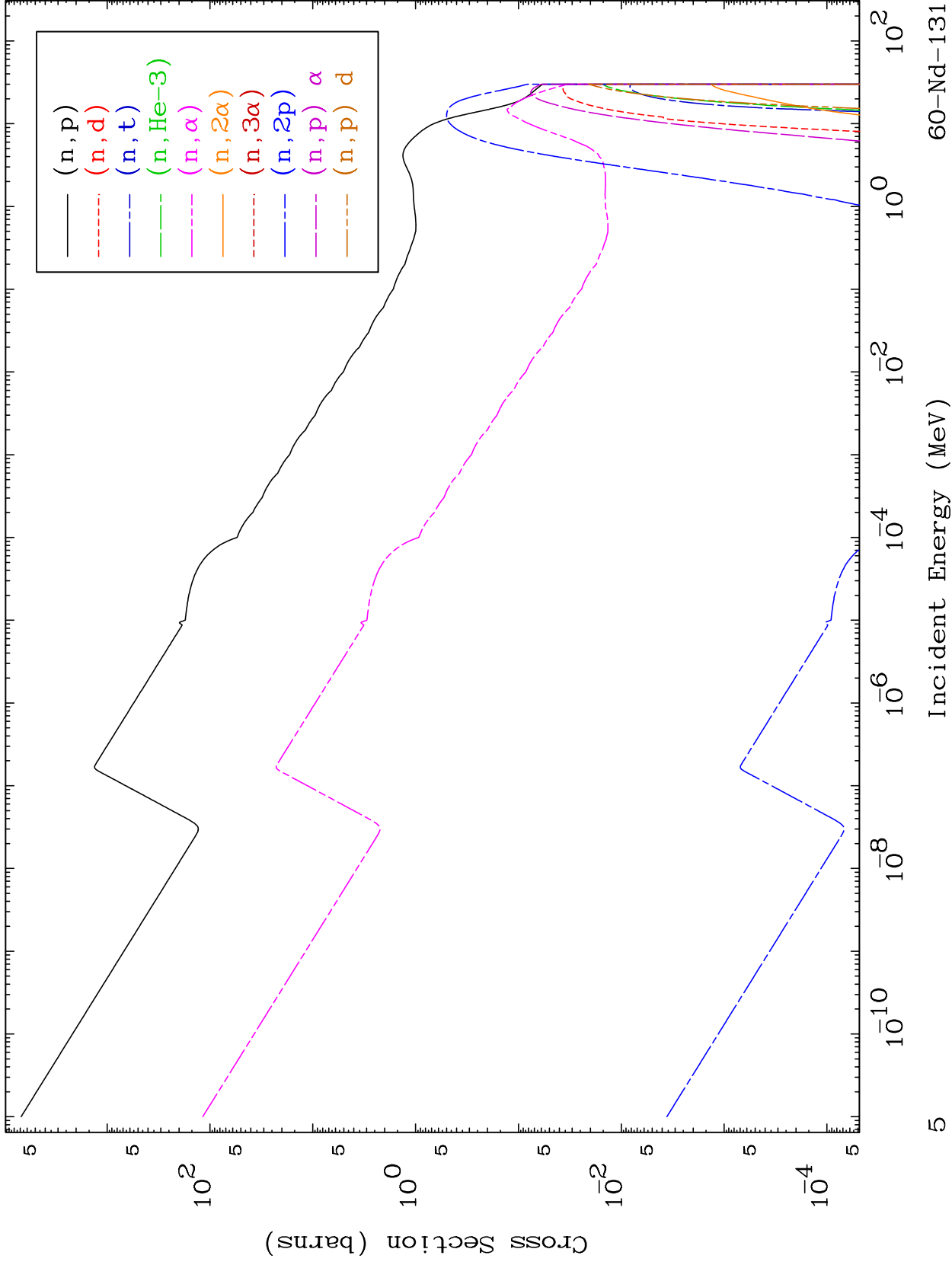
60-Nd-131



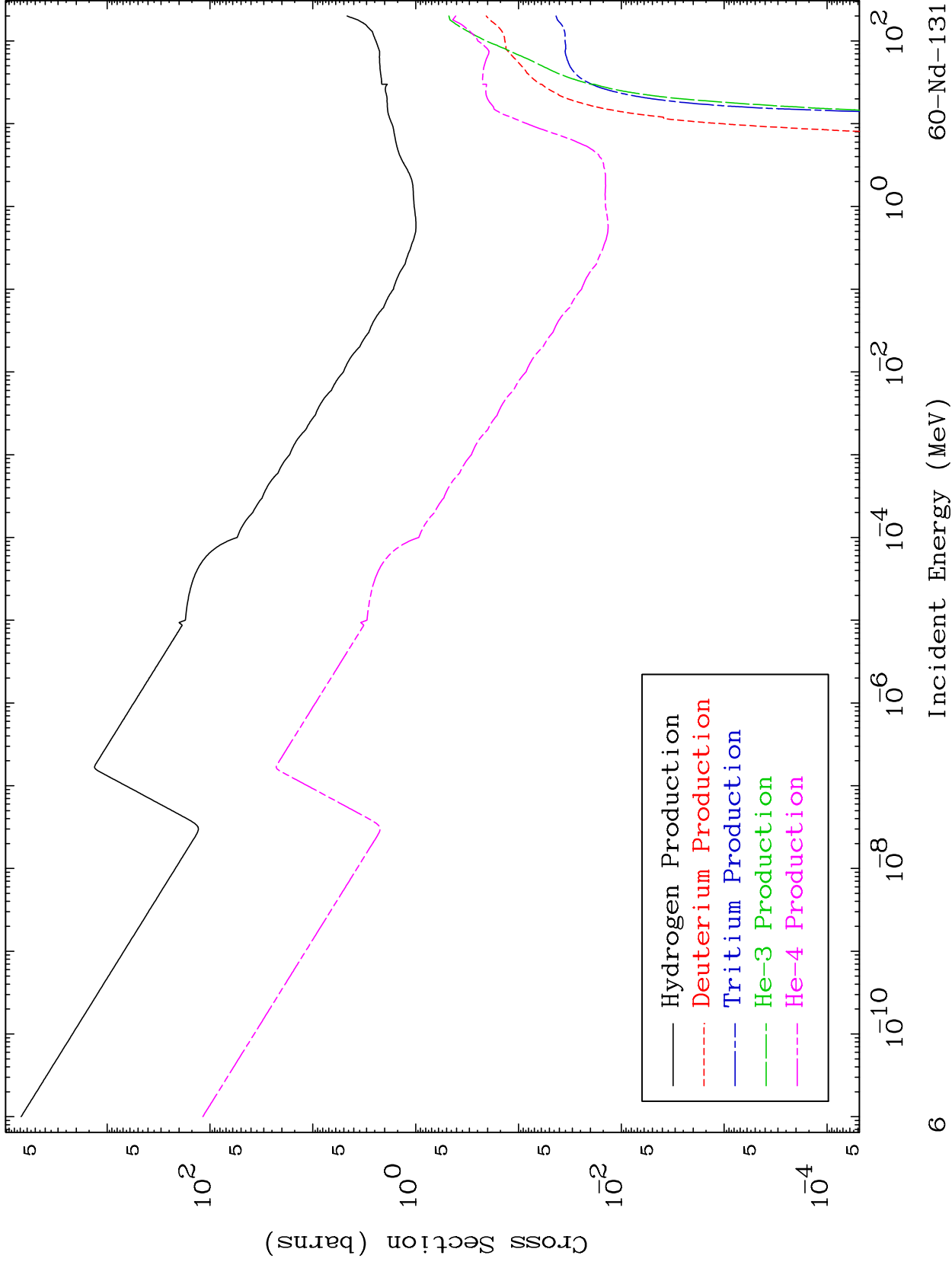
MAT 5992

Charged Particle  
293 Kelvin Cross Sections

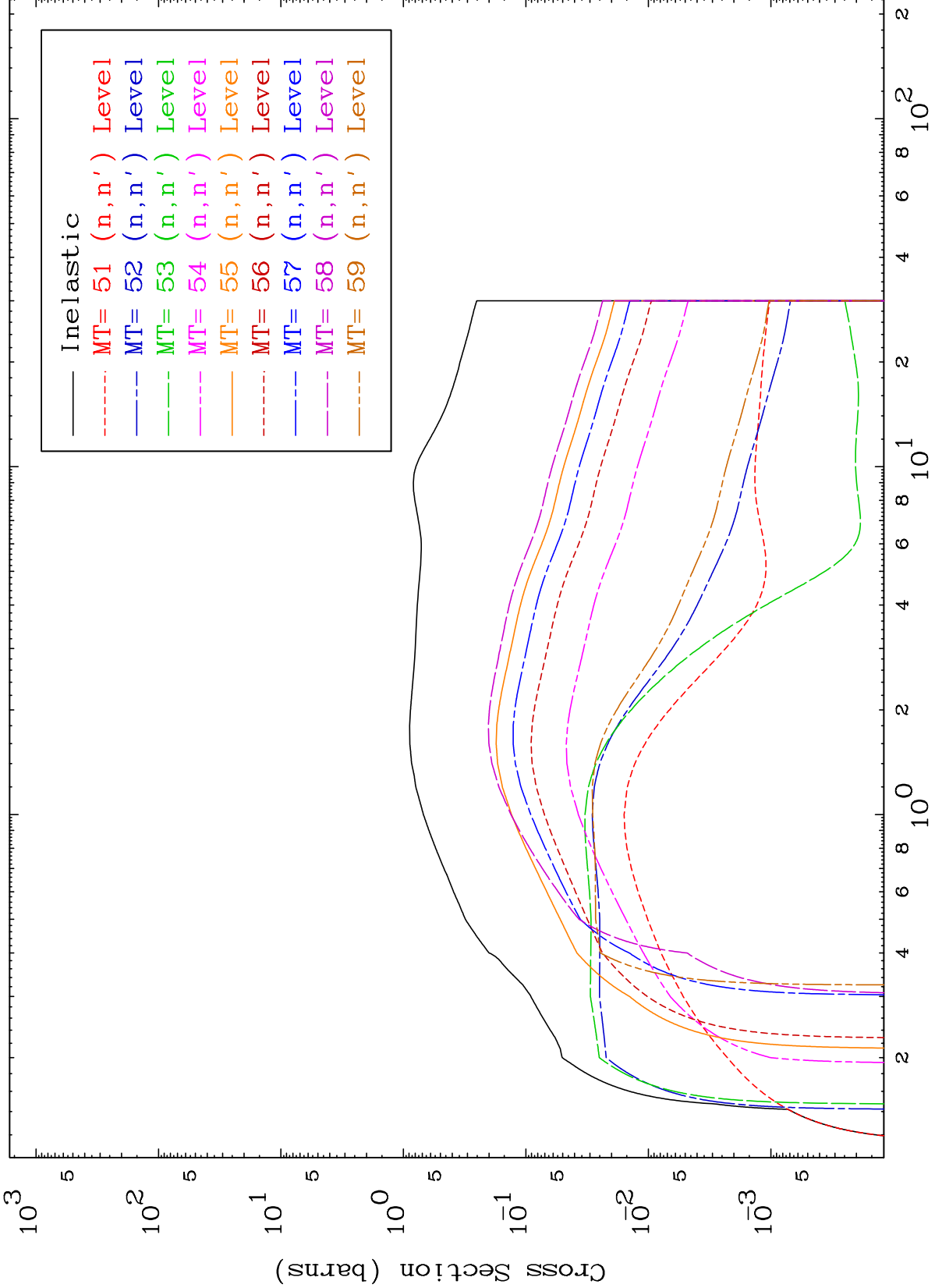
60-Nd-131



5

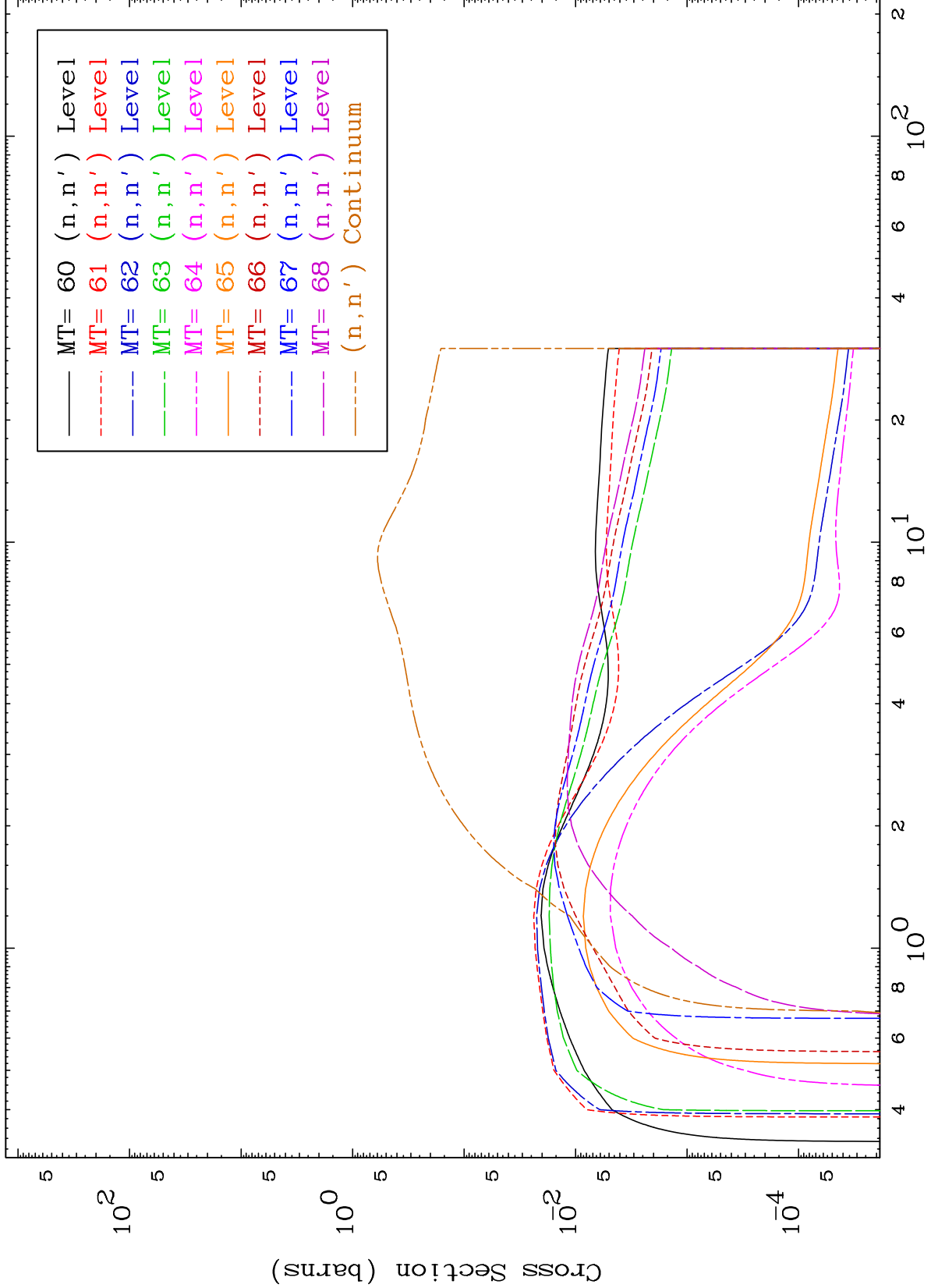


293 Kelvin Cross Sections





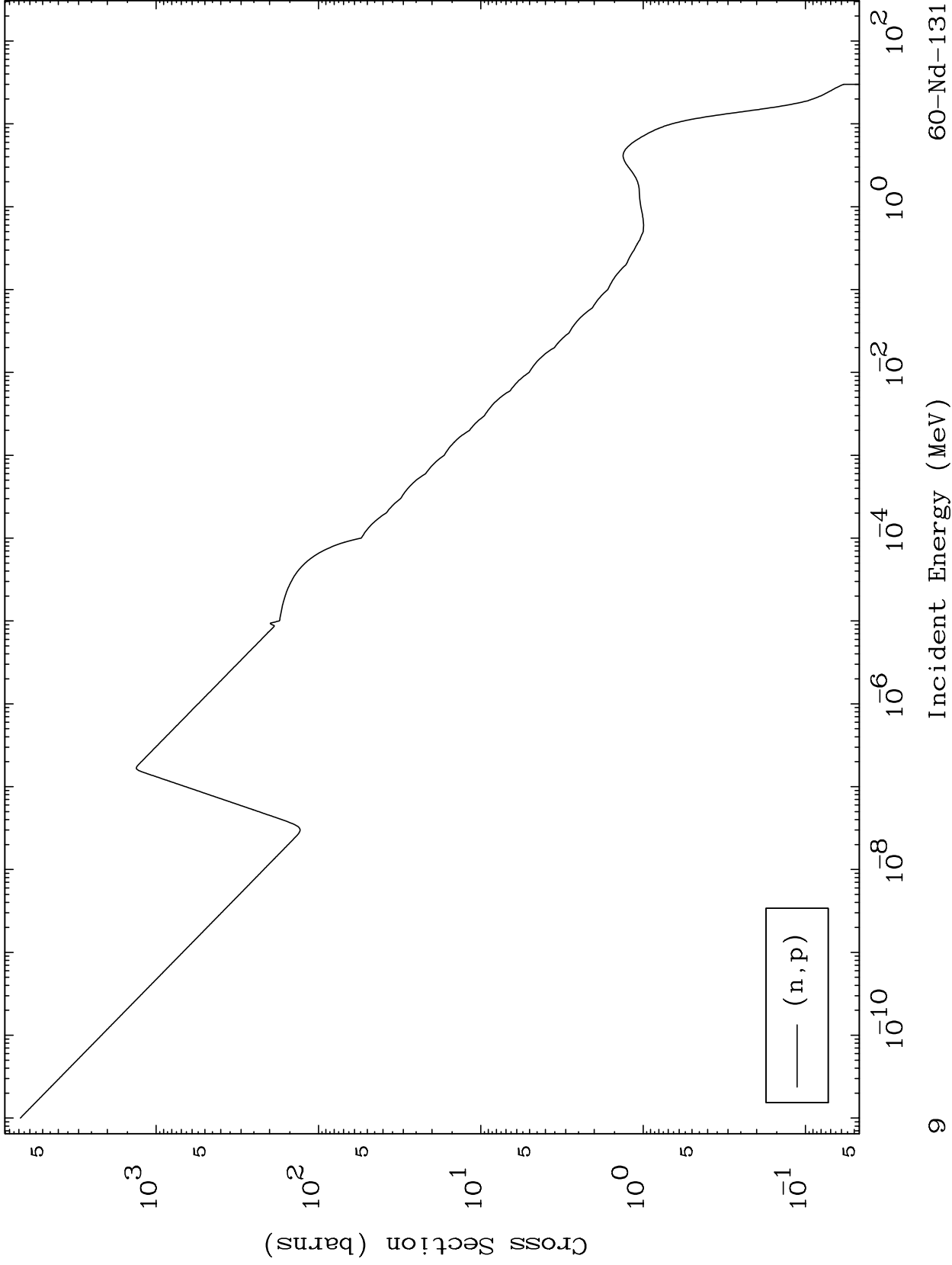
293 Kelvin Cross Sections



MAT 5992

(n,p) Levels  
293 Kelvin Cross Sections

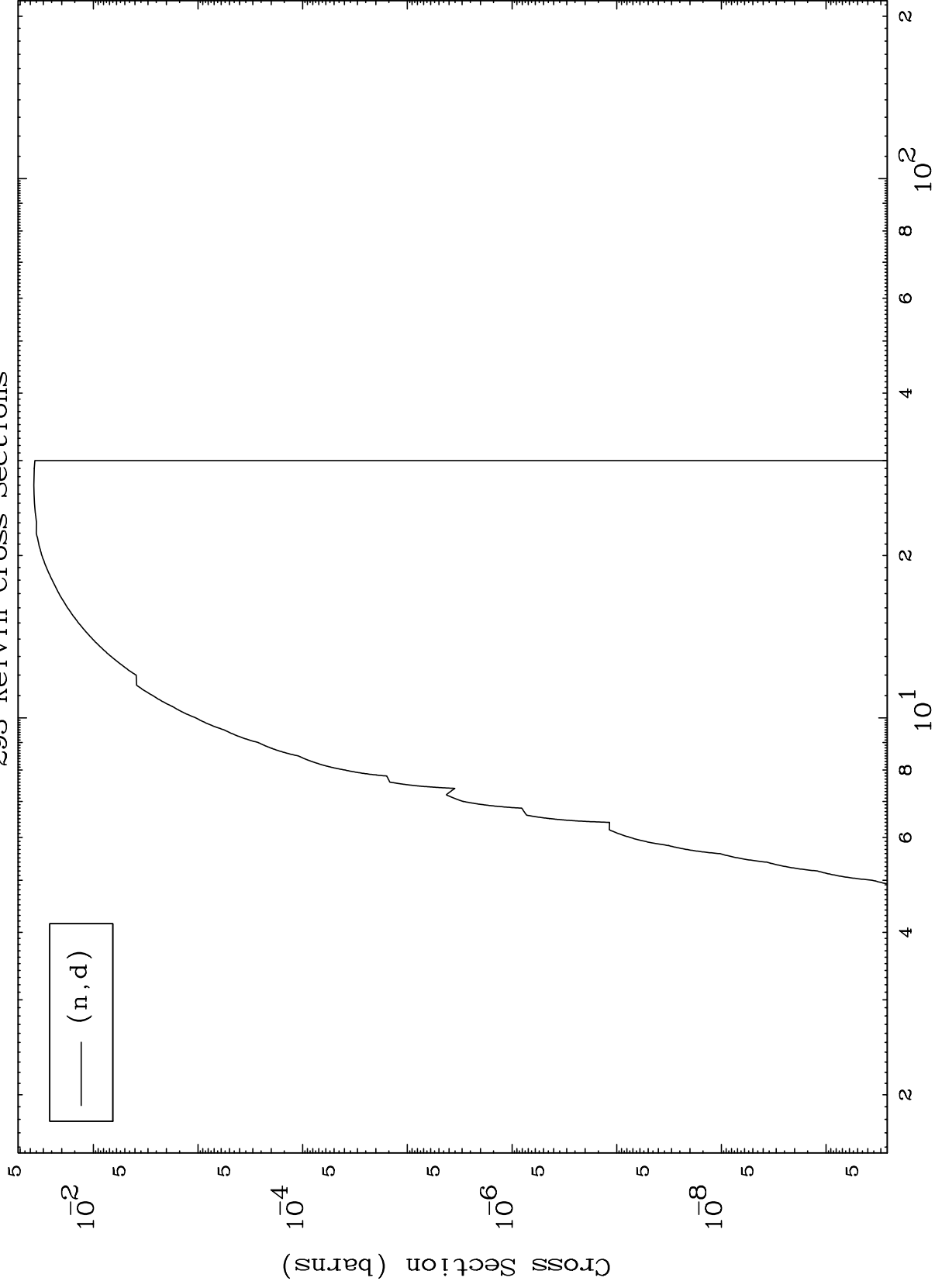
60-Nd-131



MAT 5992

(n,d) Levels  
293 Kelvin Cross Sections

60-Nd-131



10

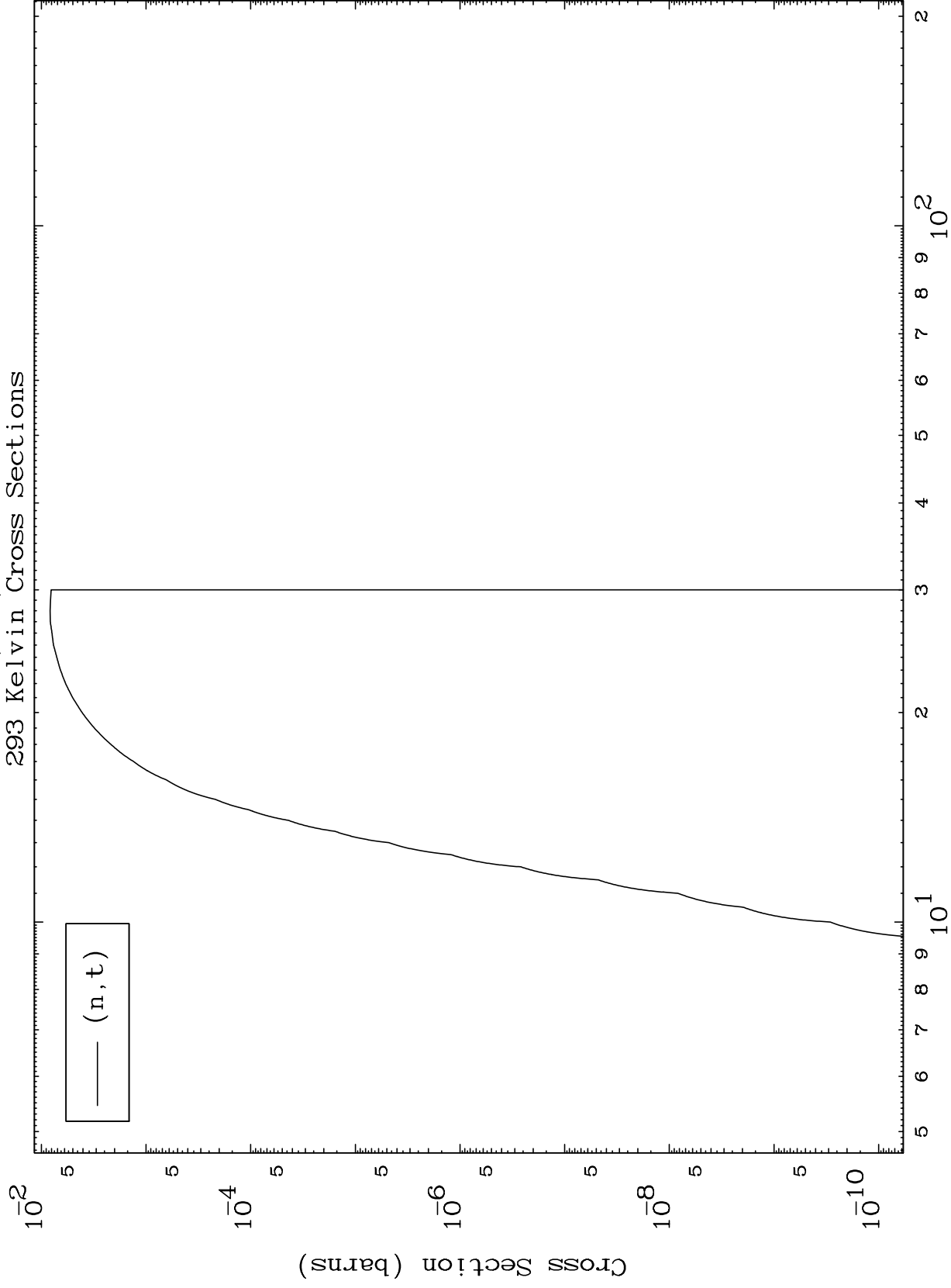
Incident Energy (MeV)

60-Nd-131

MAT 5992

(n,t) Levels  
293 Kelvin Cross Sections

60-Nd-131



11

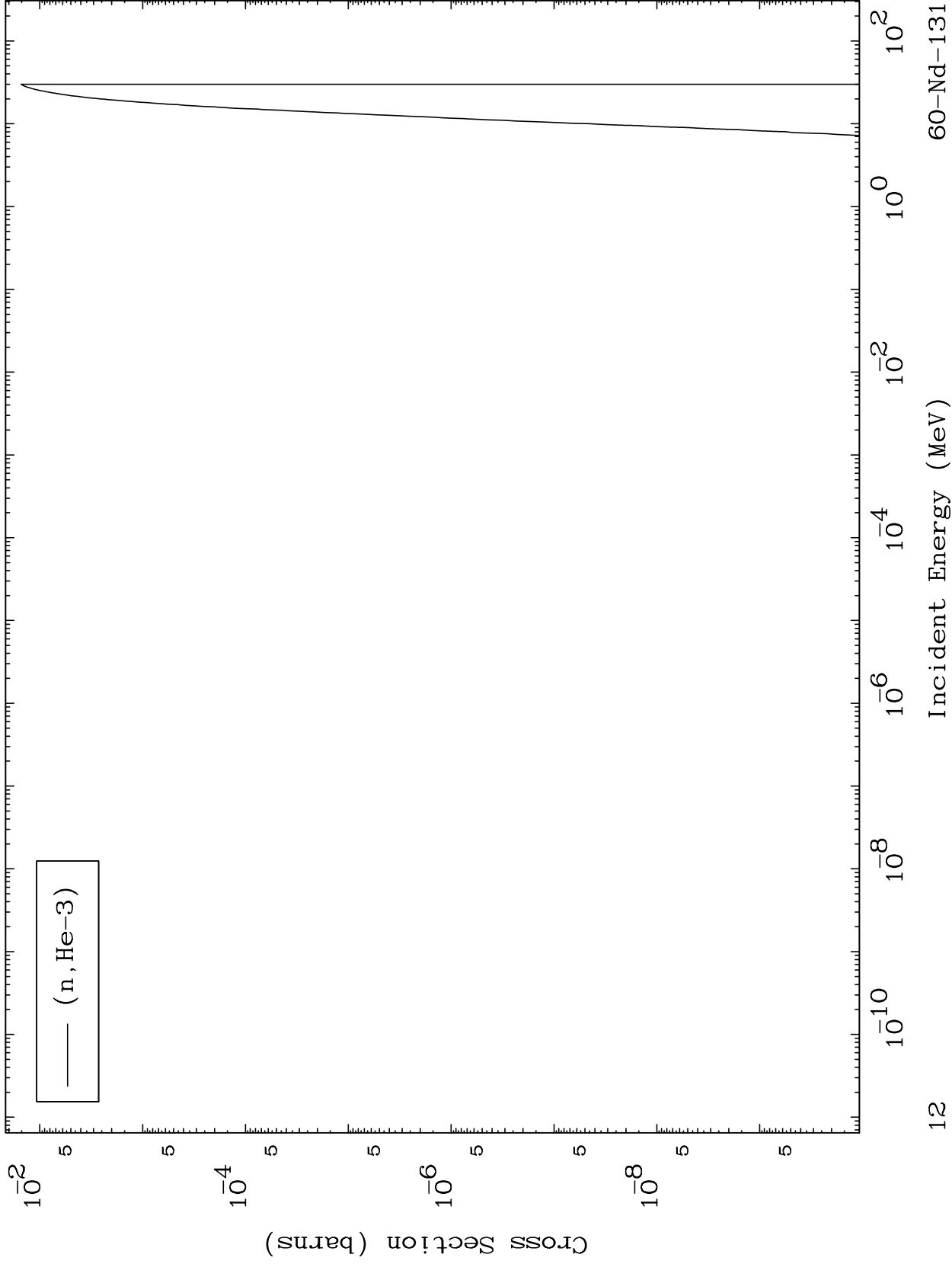
Incident Energy (MeV)

60-Nd-131

MAT 5992

(n,He3) Levels  
293 Kelvin Cross Sections

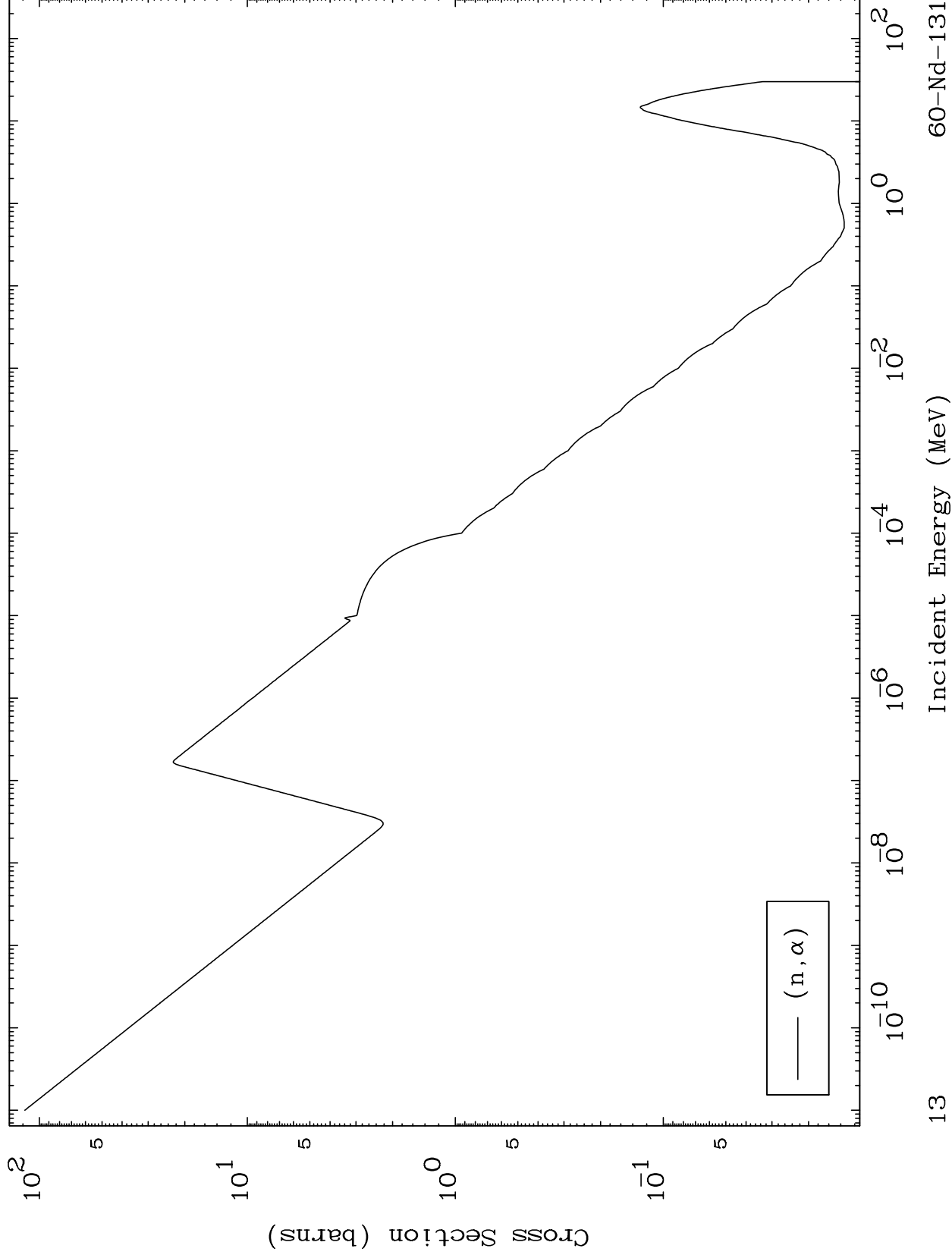
60-Nd-131

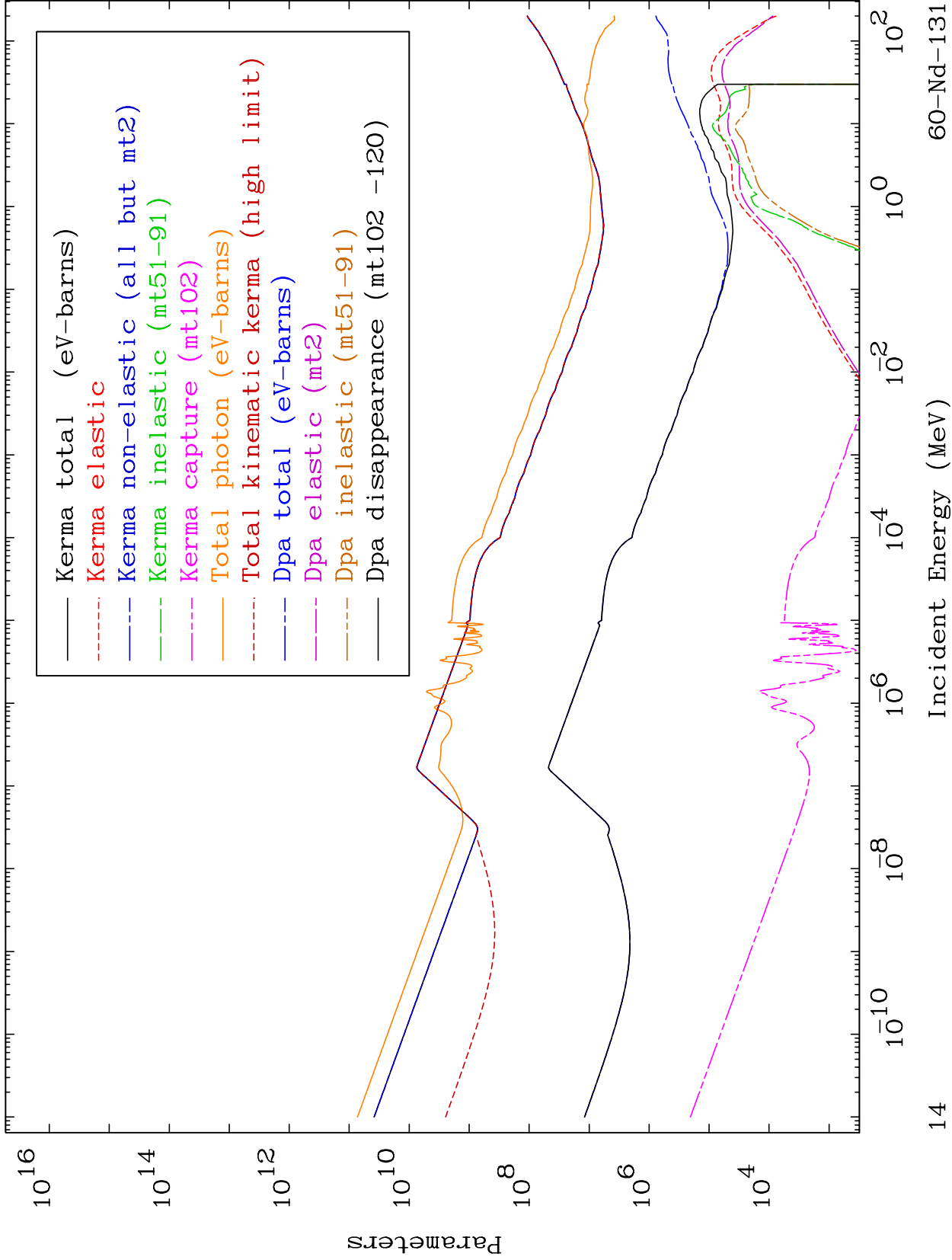


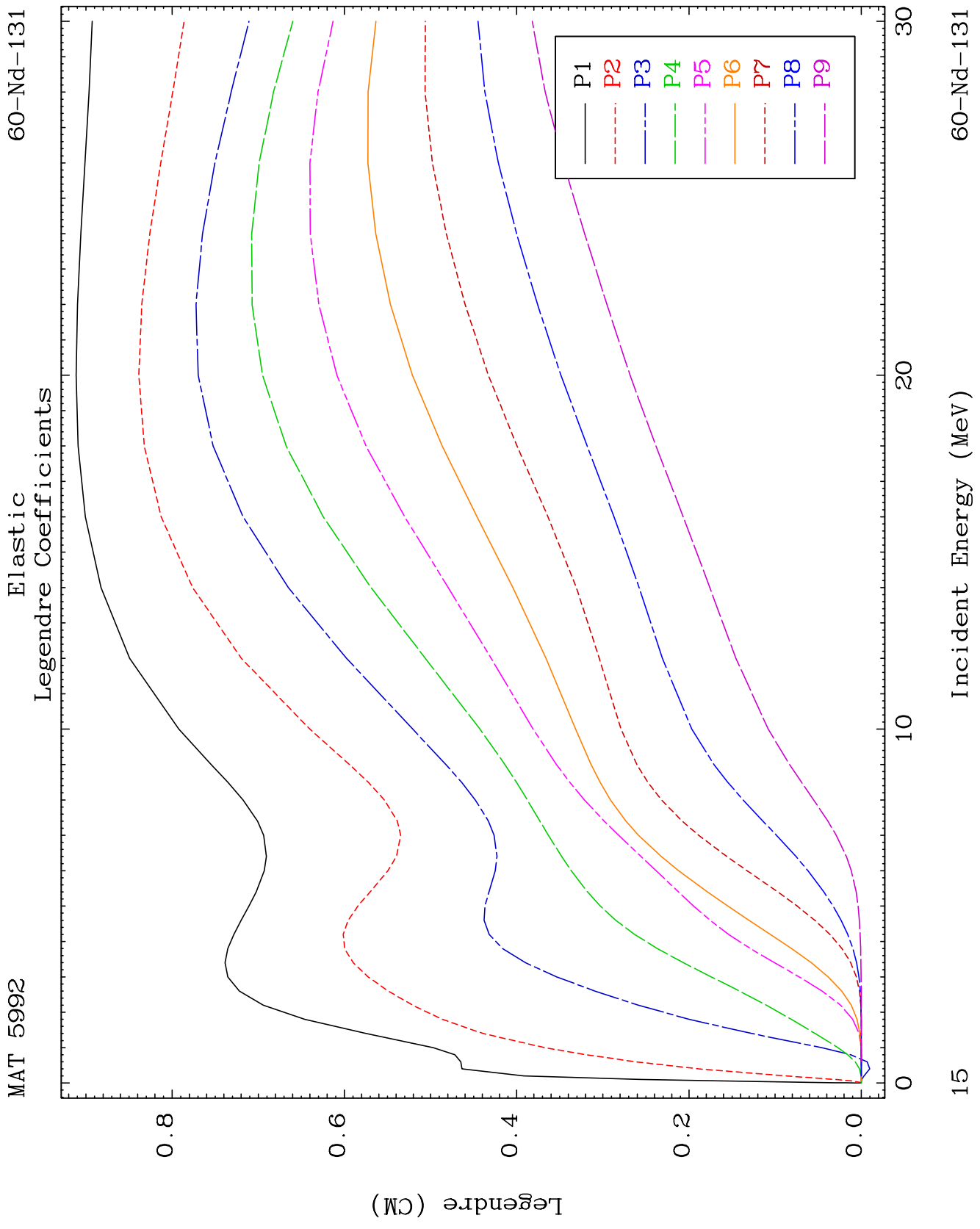
MAT 5992

(n,α) Levels  
293 Kelvin Cross Sections

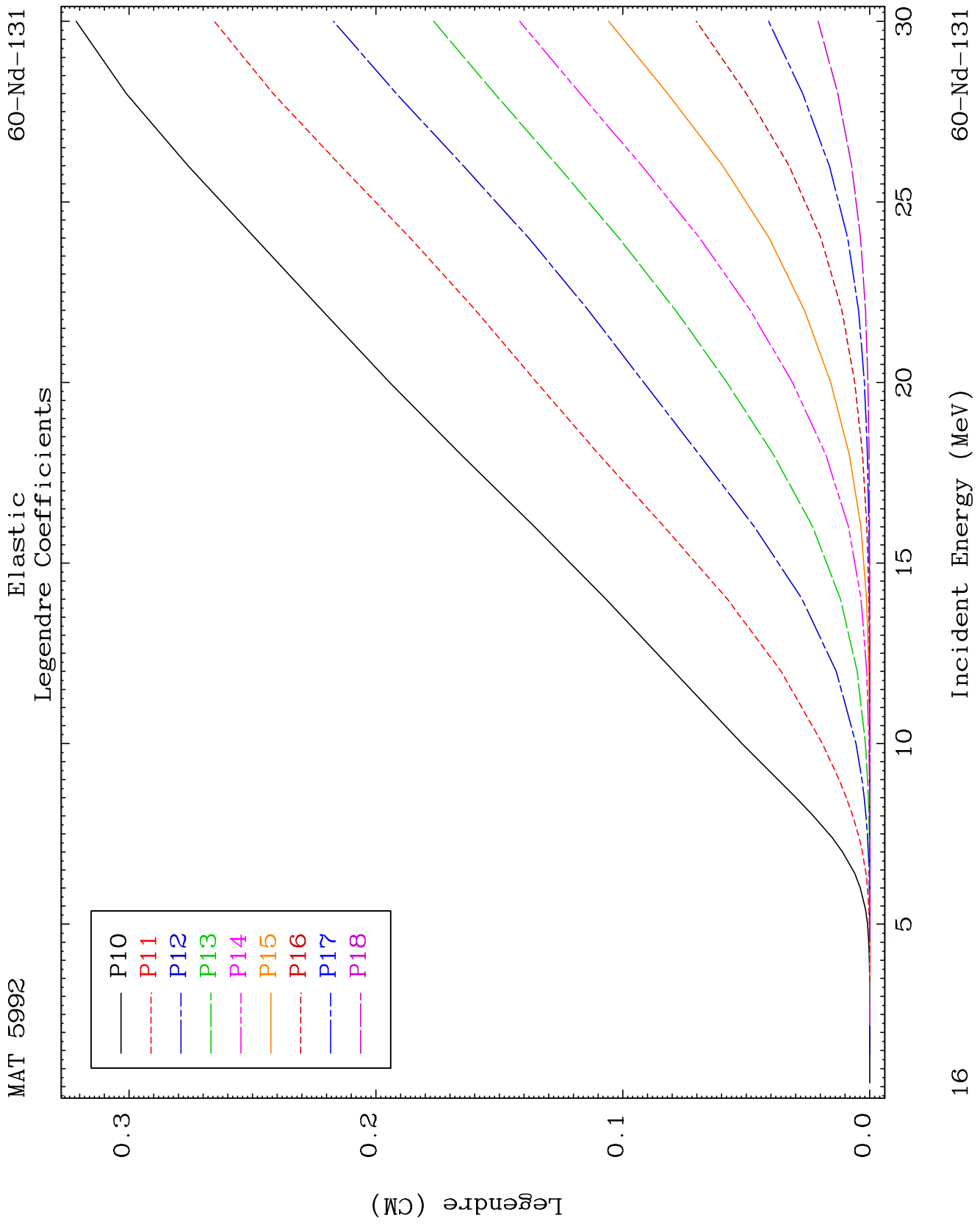
60-Nd-131







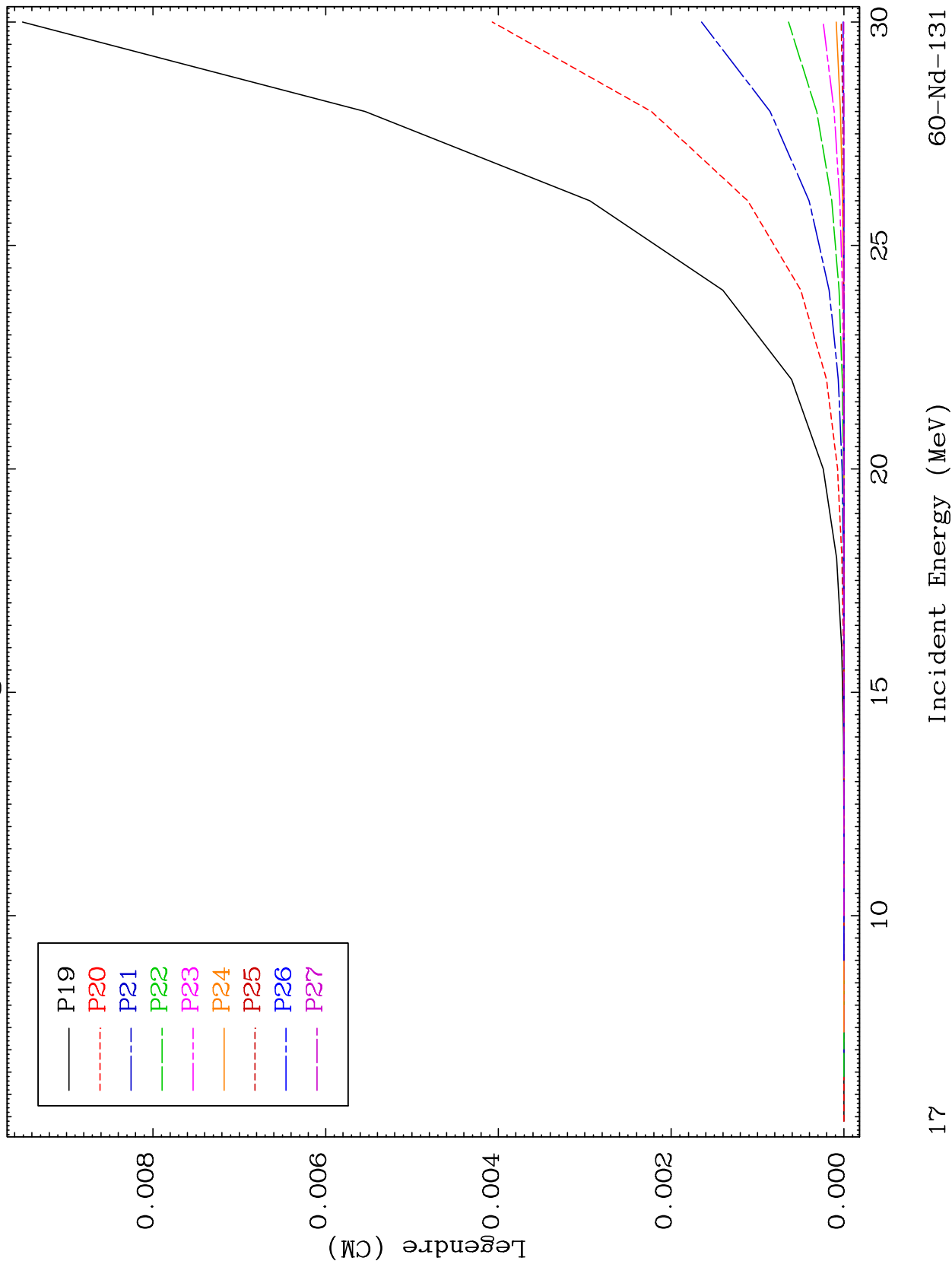




MAT 5992

### Elastic Legendre Coefficients

60-Nd-131



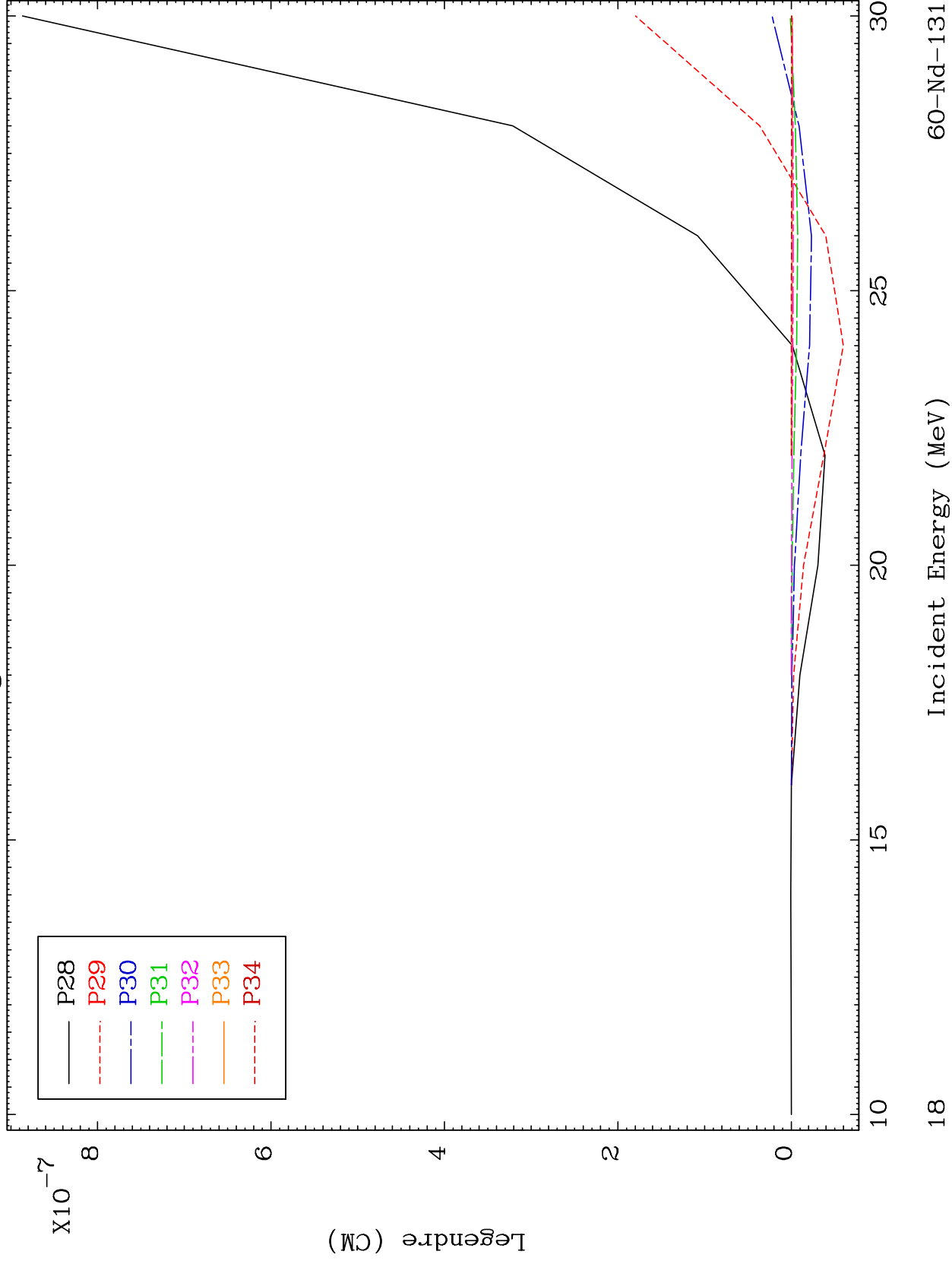
17

60-Nd-131

MAT 5992

Elastic Legendre Coefficients

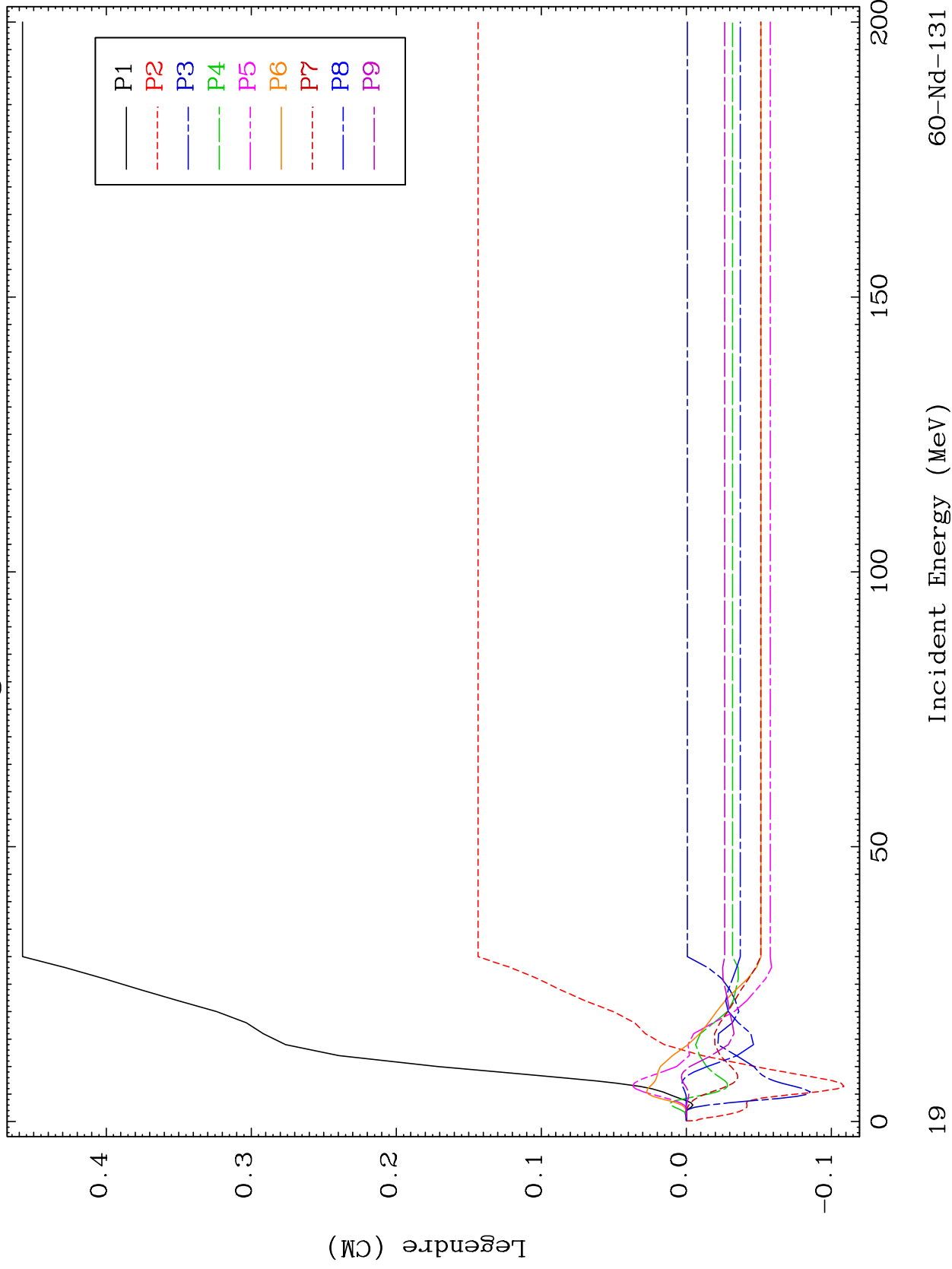
60-Nd-131



MAT 5992

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

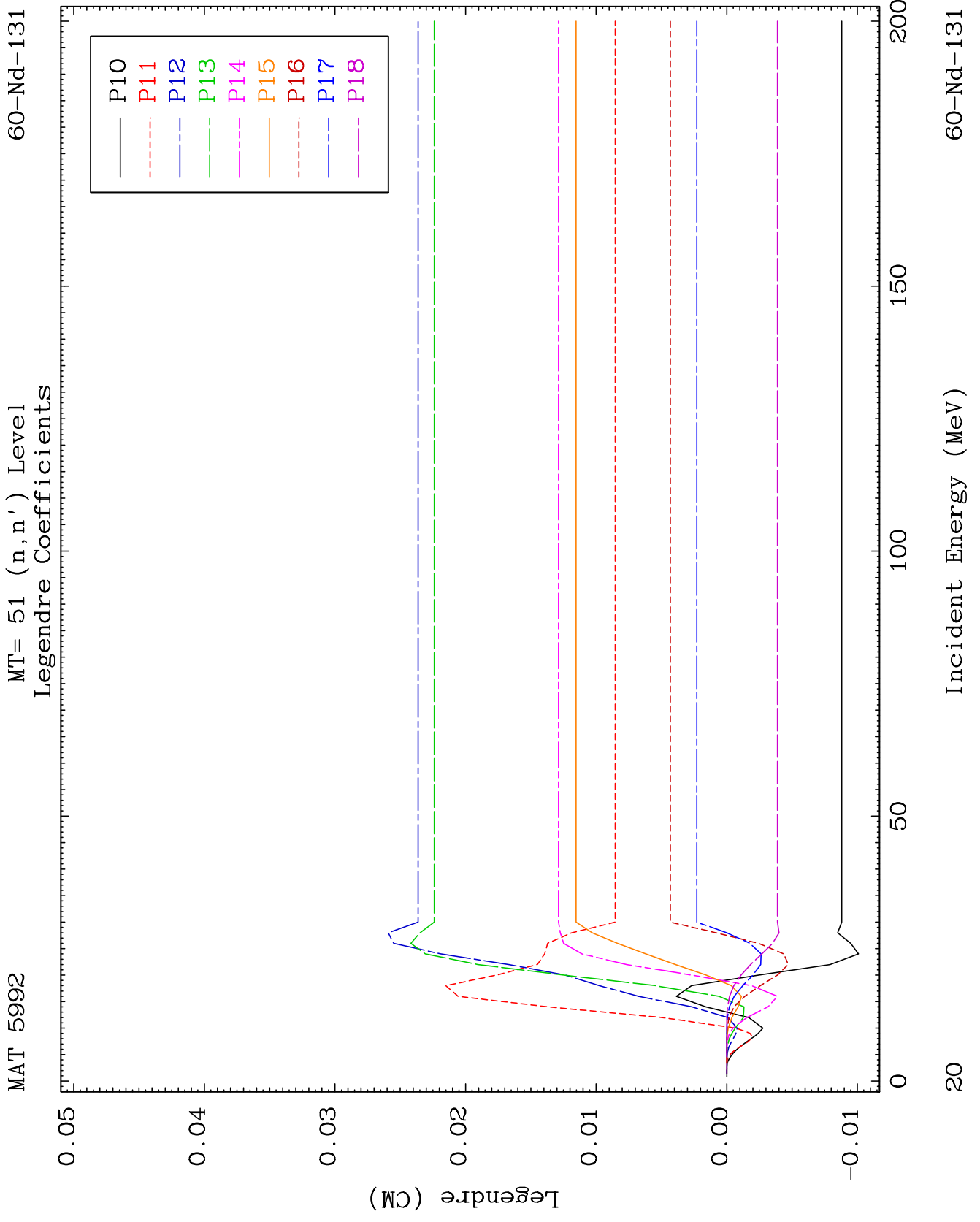
60-Nd-131



60-Nd-131

Incident Energy (MeV)

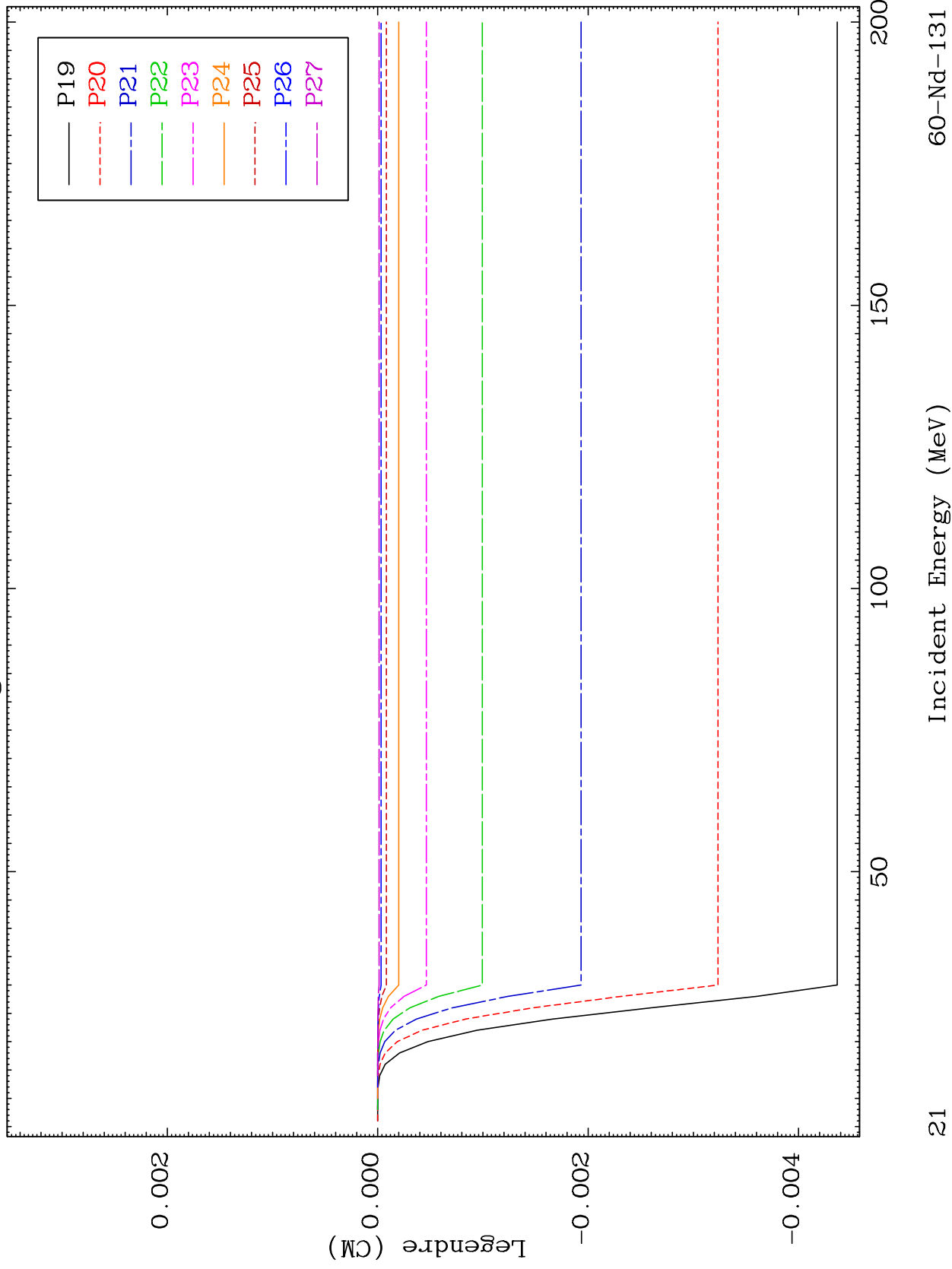
19



MAT 5992

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

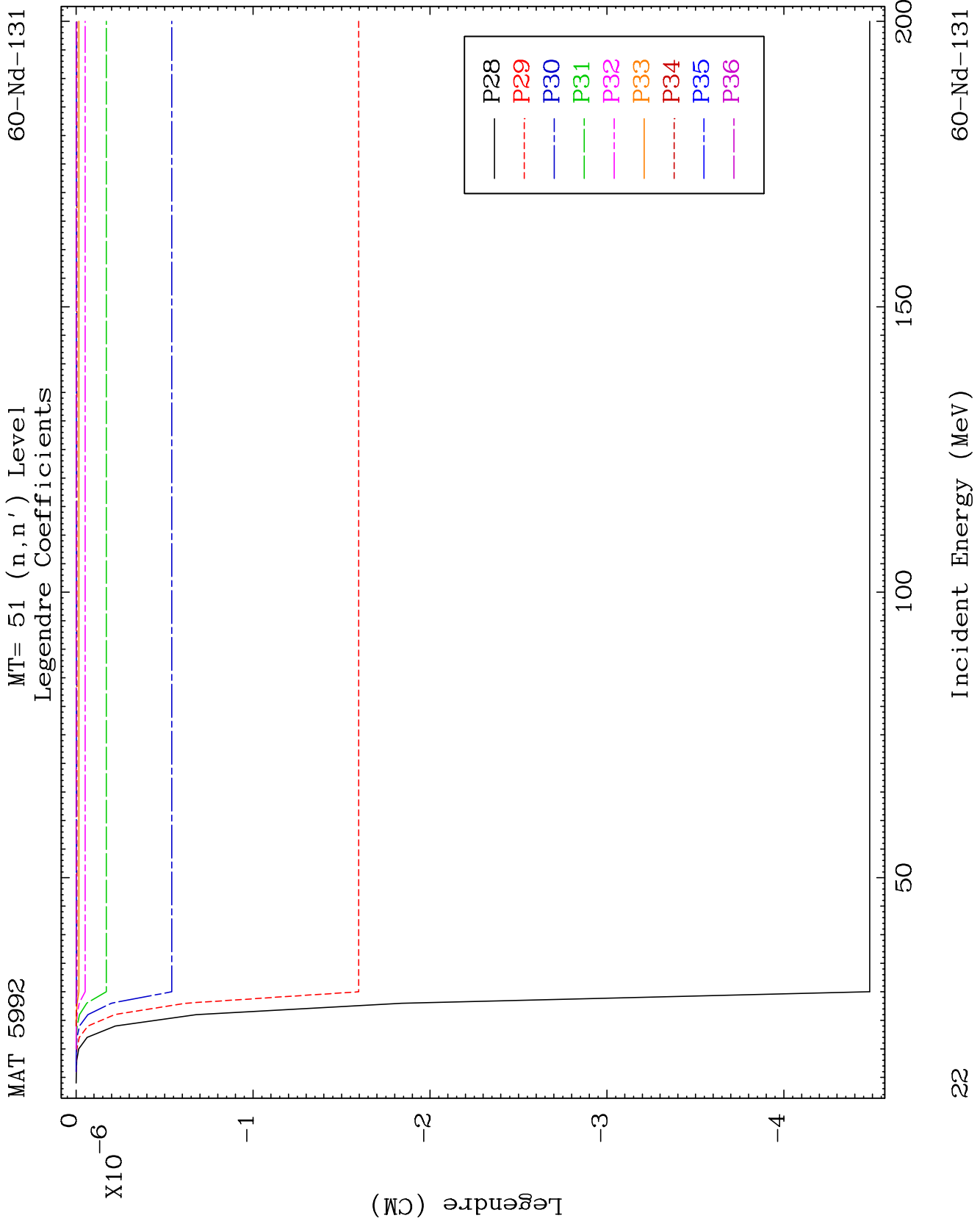
60-Nd-131



21

Incident Energy (MeV)

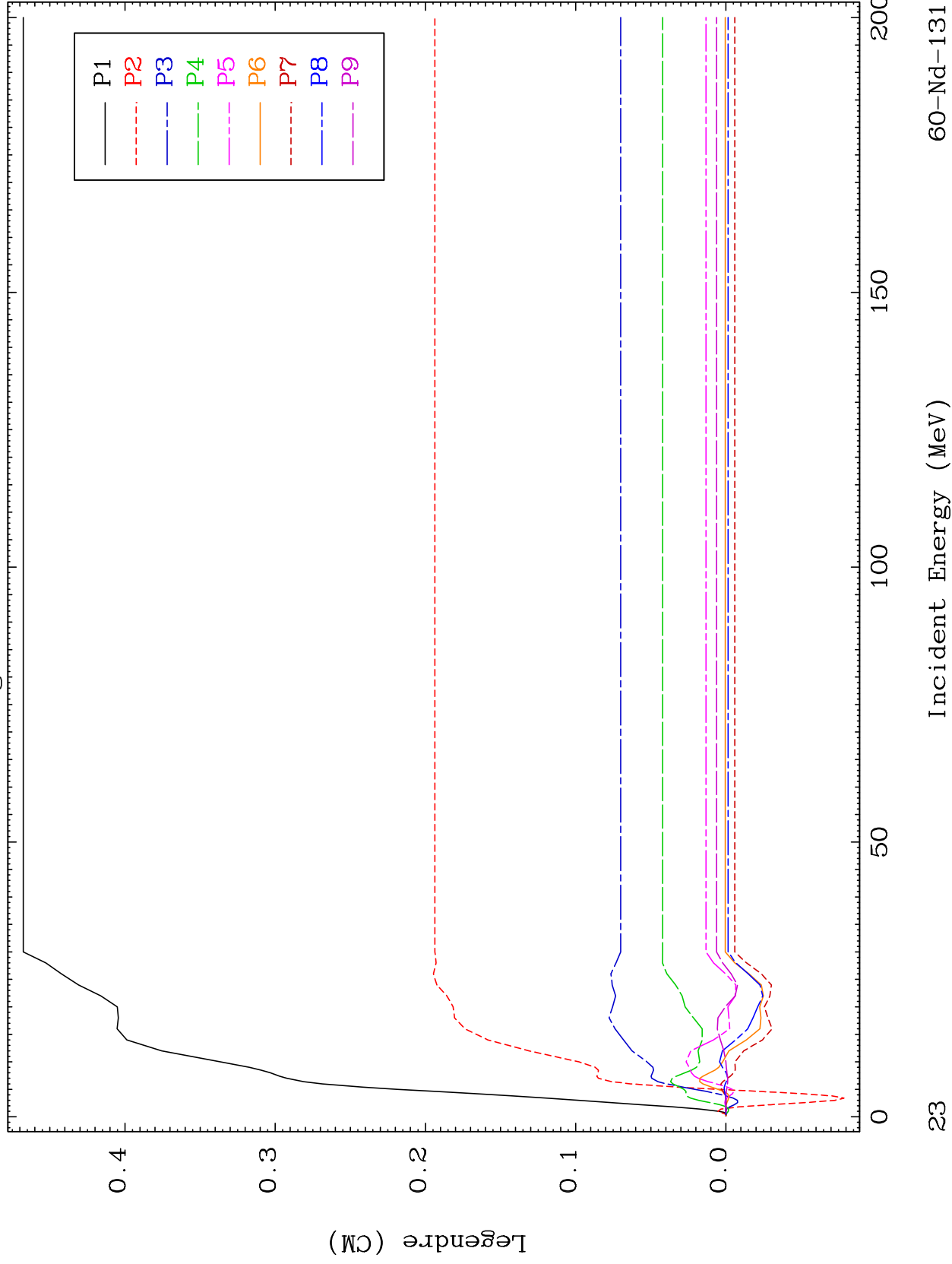
60-Nd-131



MAT 5992

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

60-Nd-131



60-Nd-131

Incident Energy (MeV)

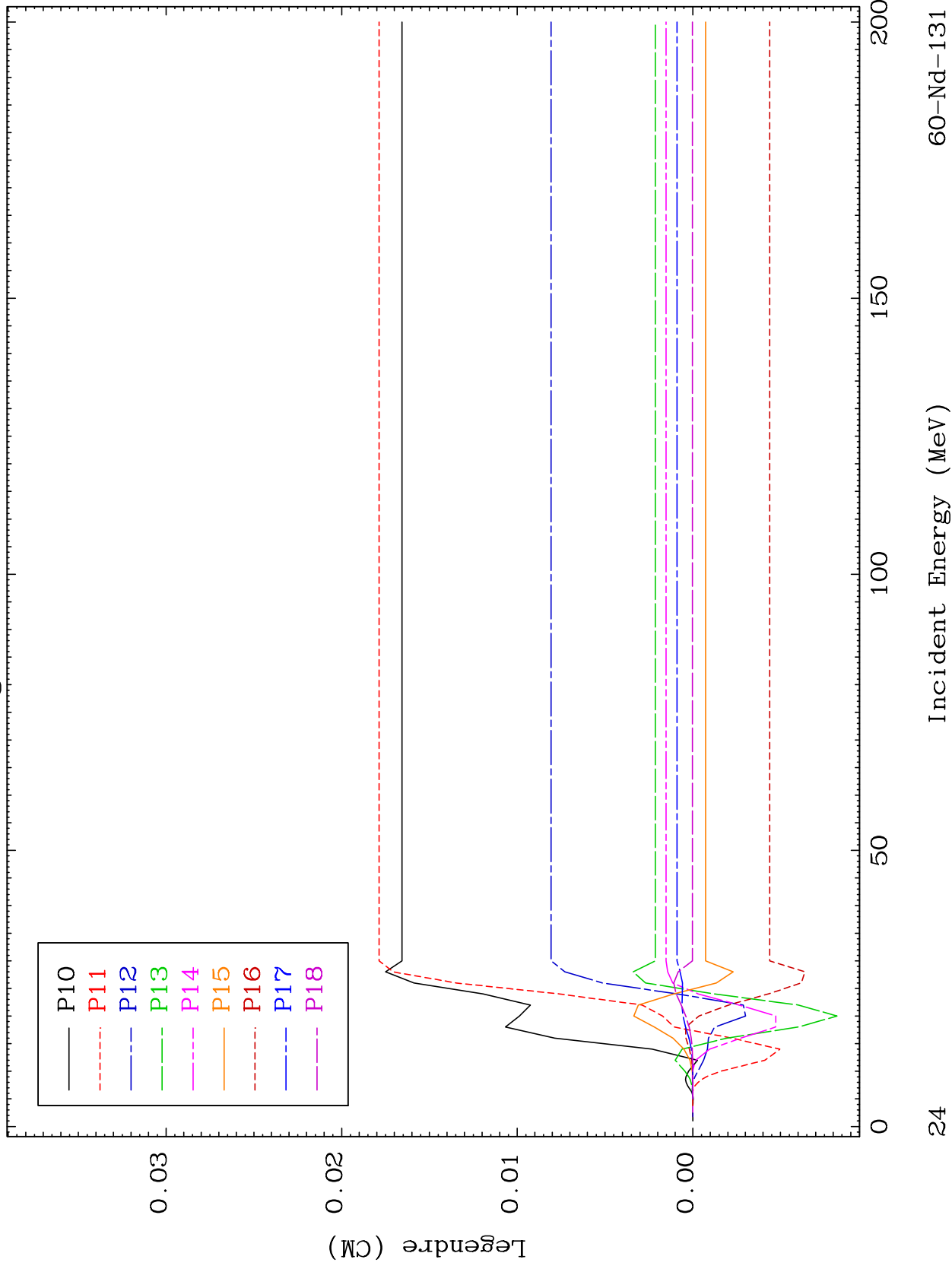
23



MAT 5992

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

60-Nd-131



24

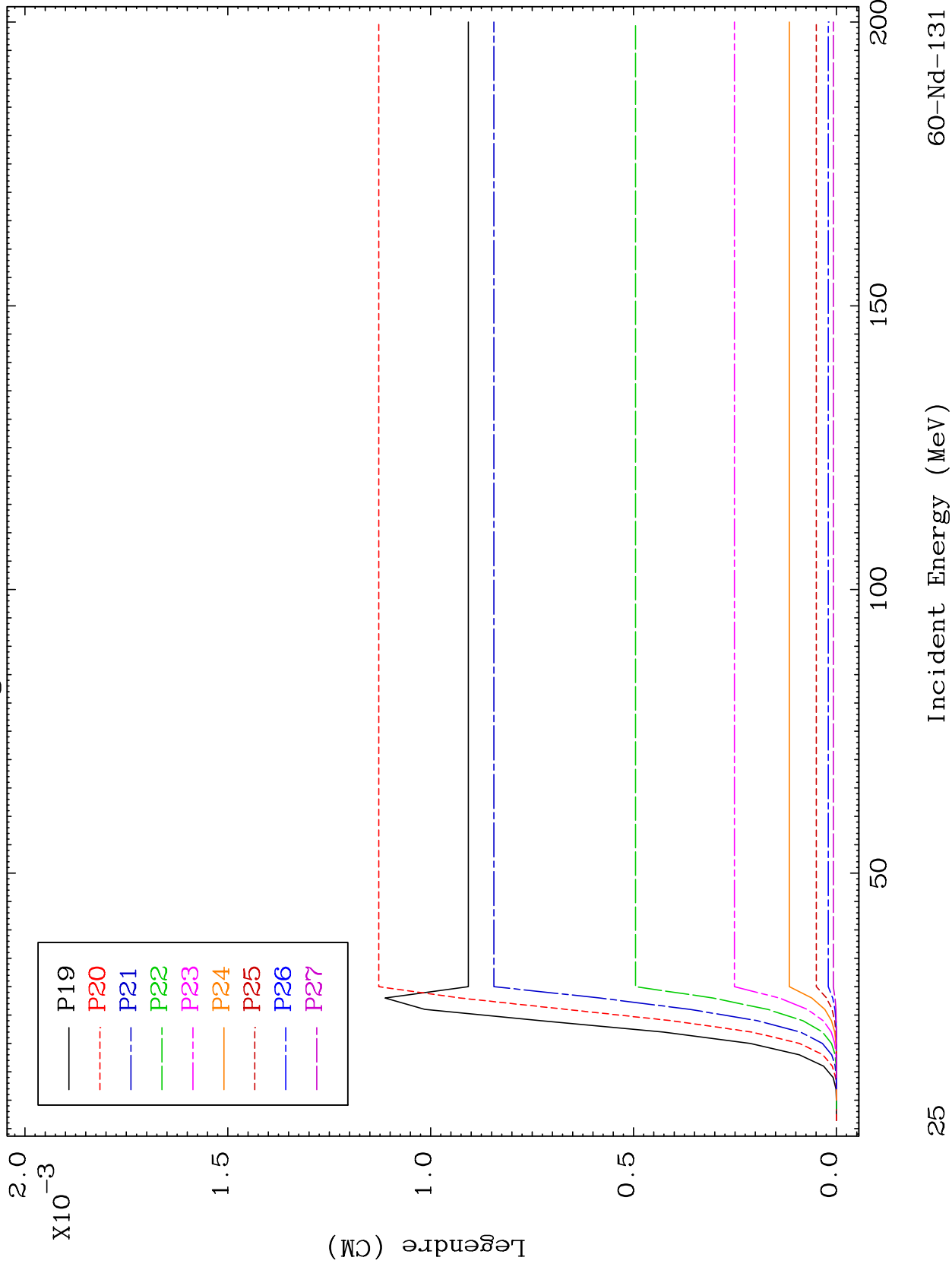
Incident Energy (MeV)

60-Nd-131

MAT 5992

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

60-Nd-131



25

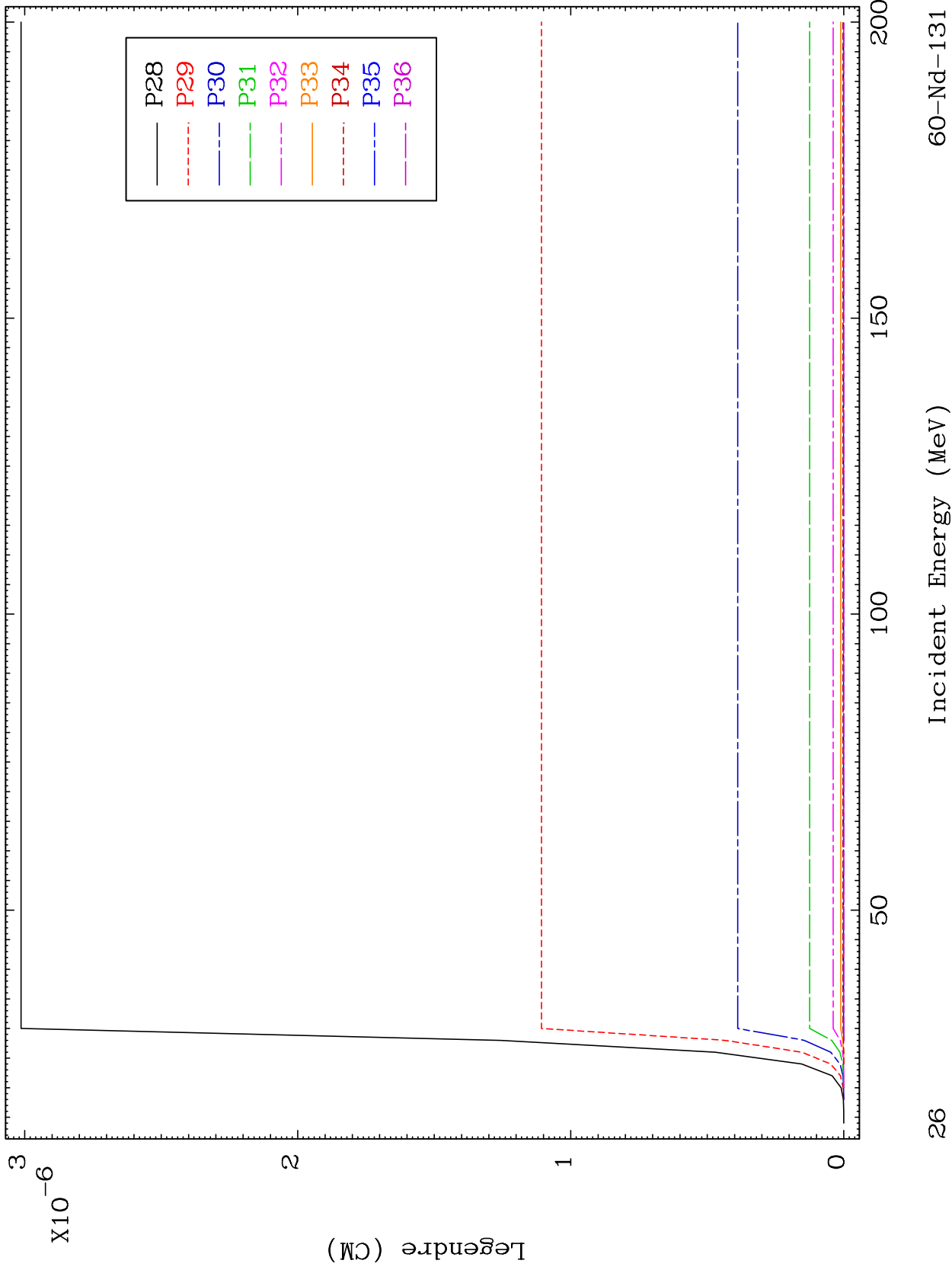
Incident Energy (MeV)

60-Nd-131

MAT 5992

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

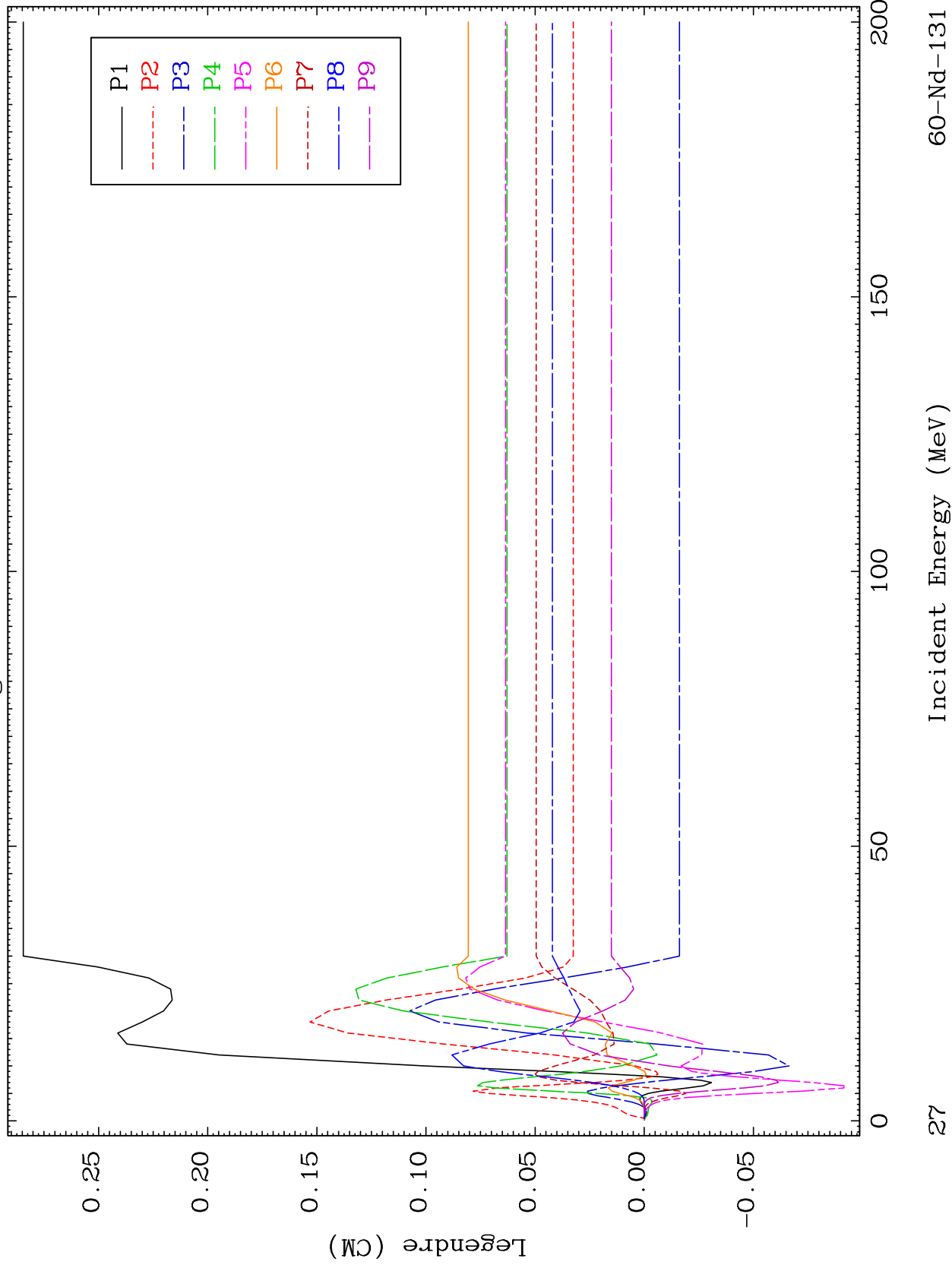
60-Nd-131



MAT 5992

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

60-Nd-131



60-Nd-131

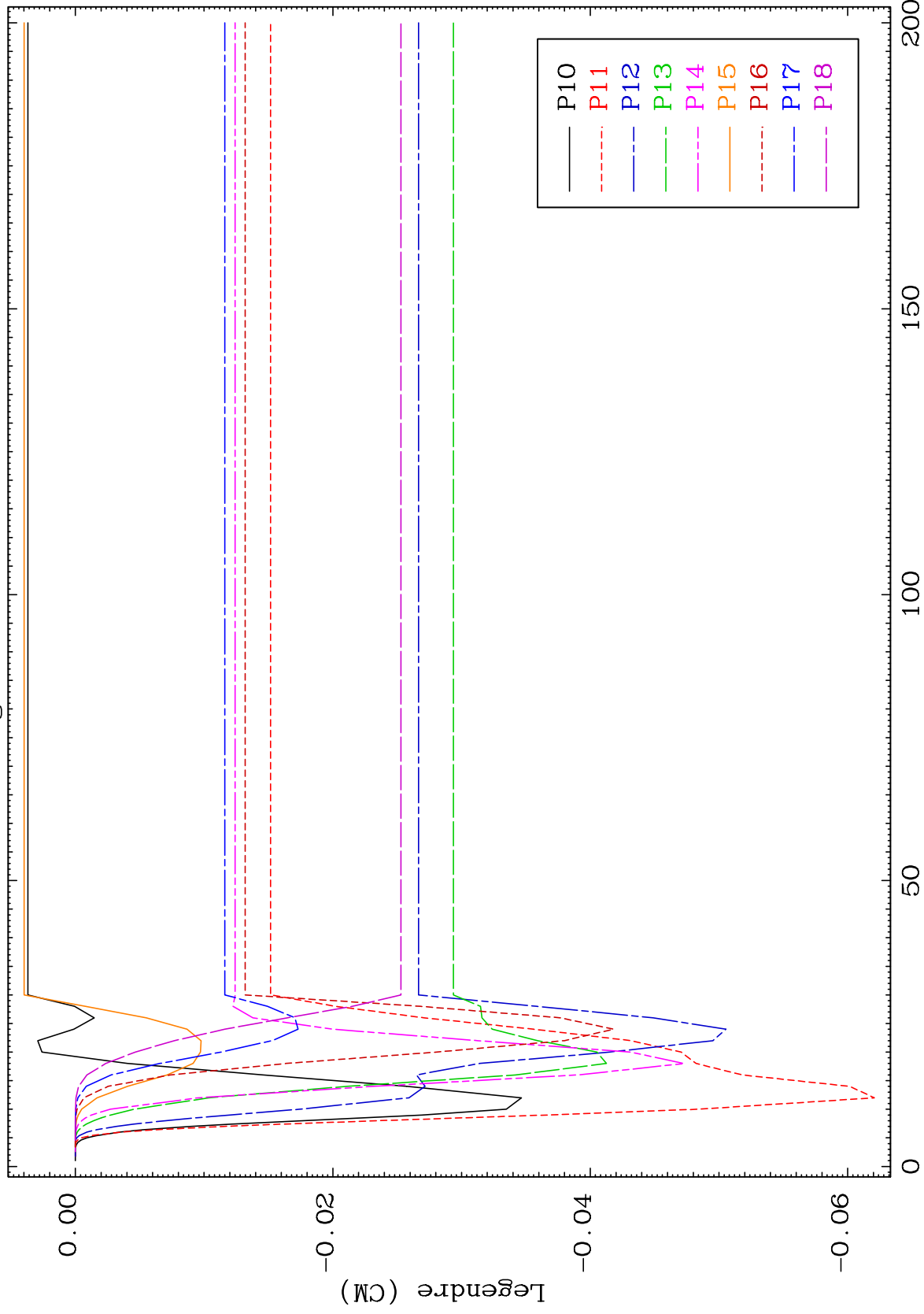
Incident Energy (MeV)

27

MAT 5992

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

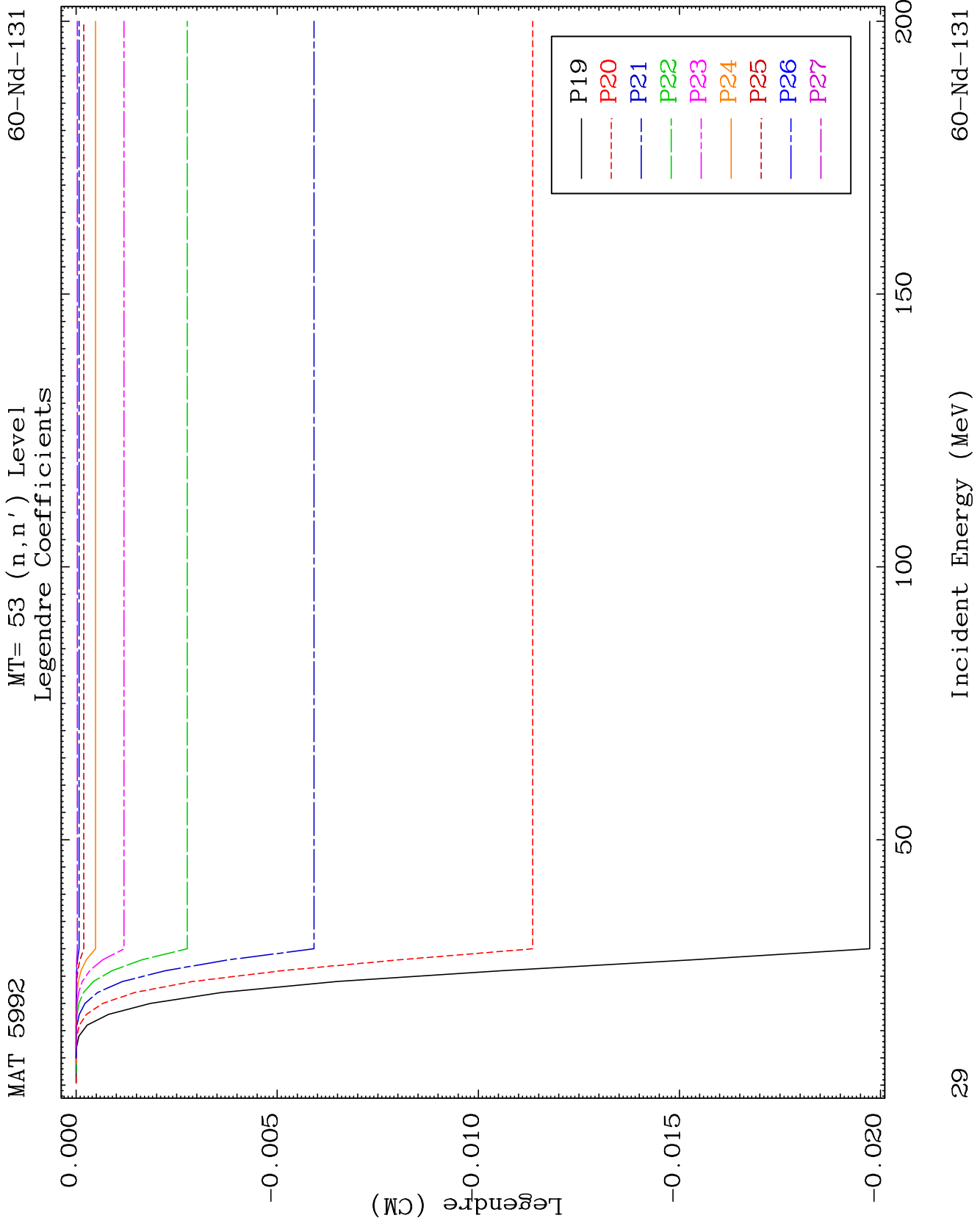
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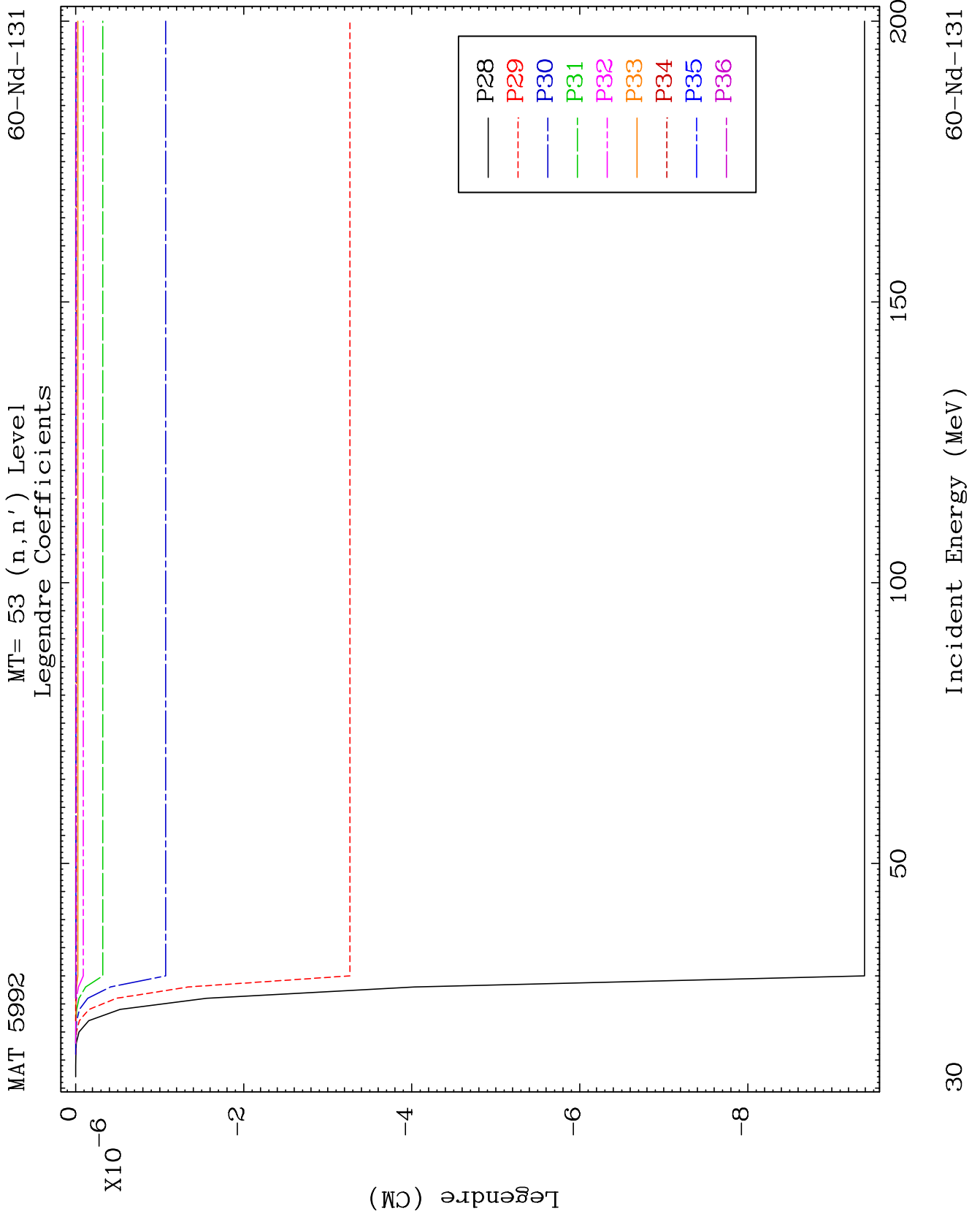


28

Incident Energy (MeV)

60-Nd-131

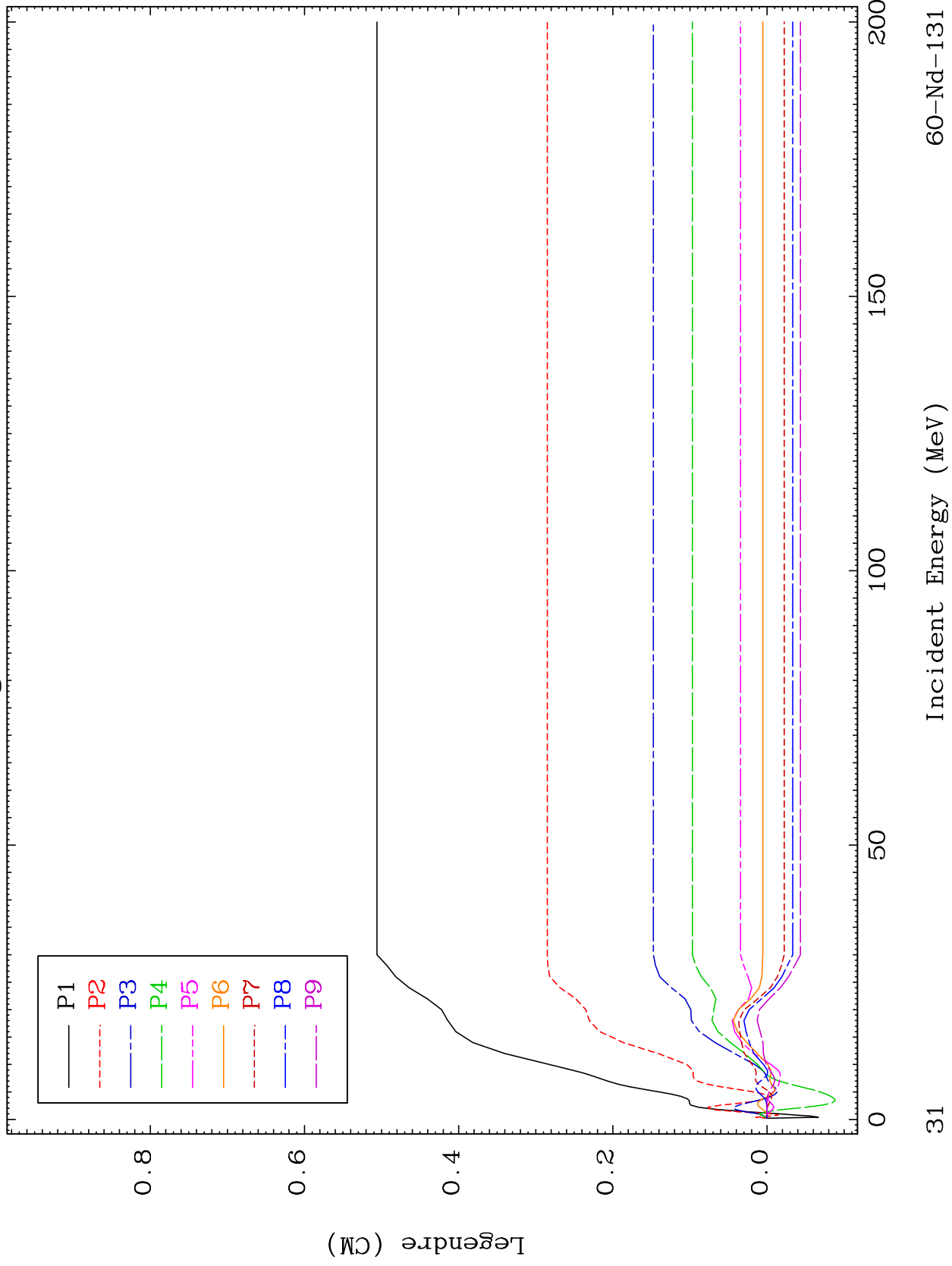




MAT 5992

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

60-Nd-131



31

Incident Energy (MeV)

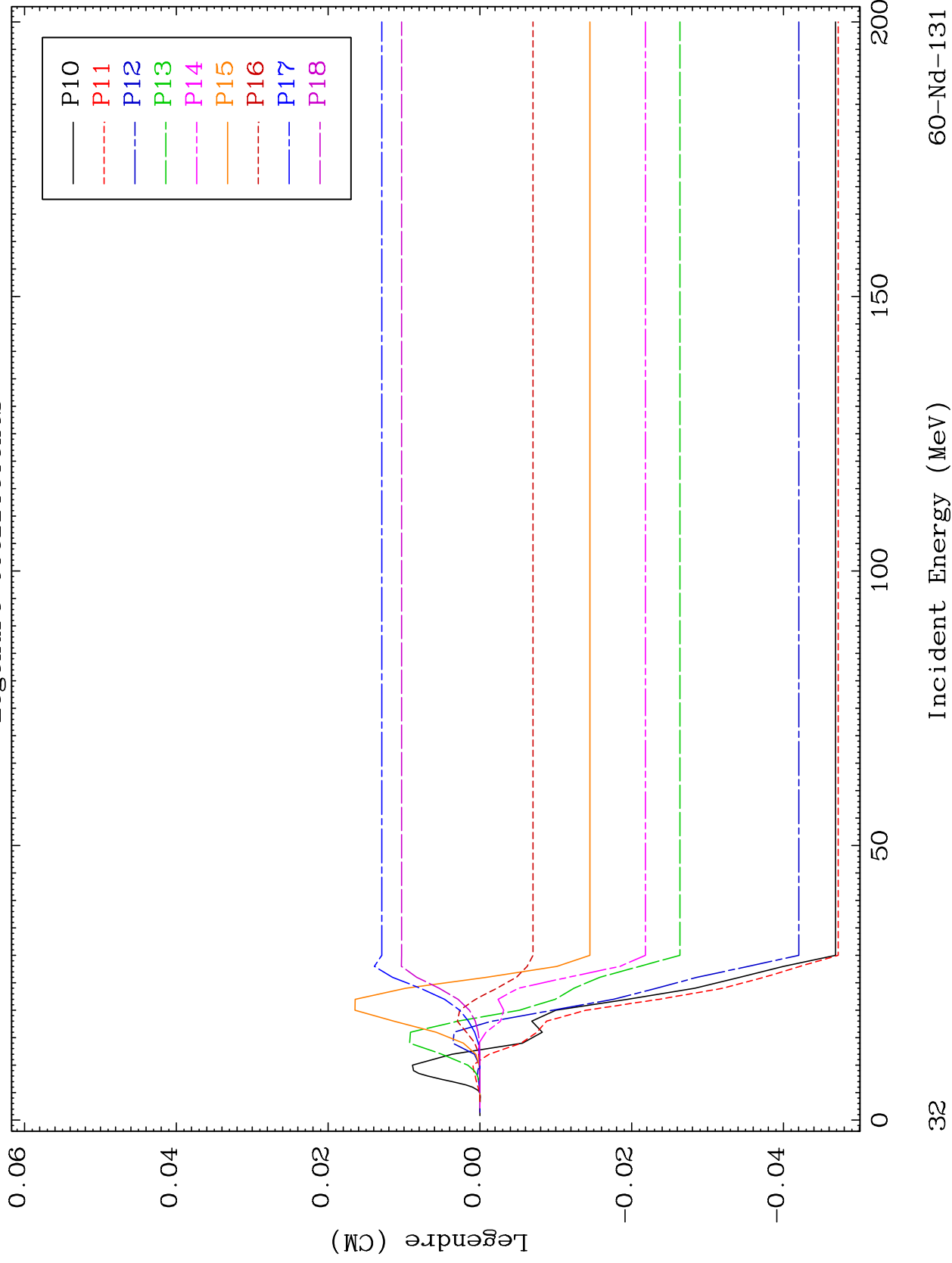
60-Nd-131



MAT 5992

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

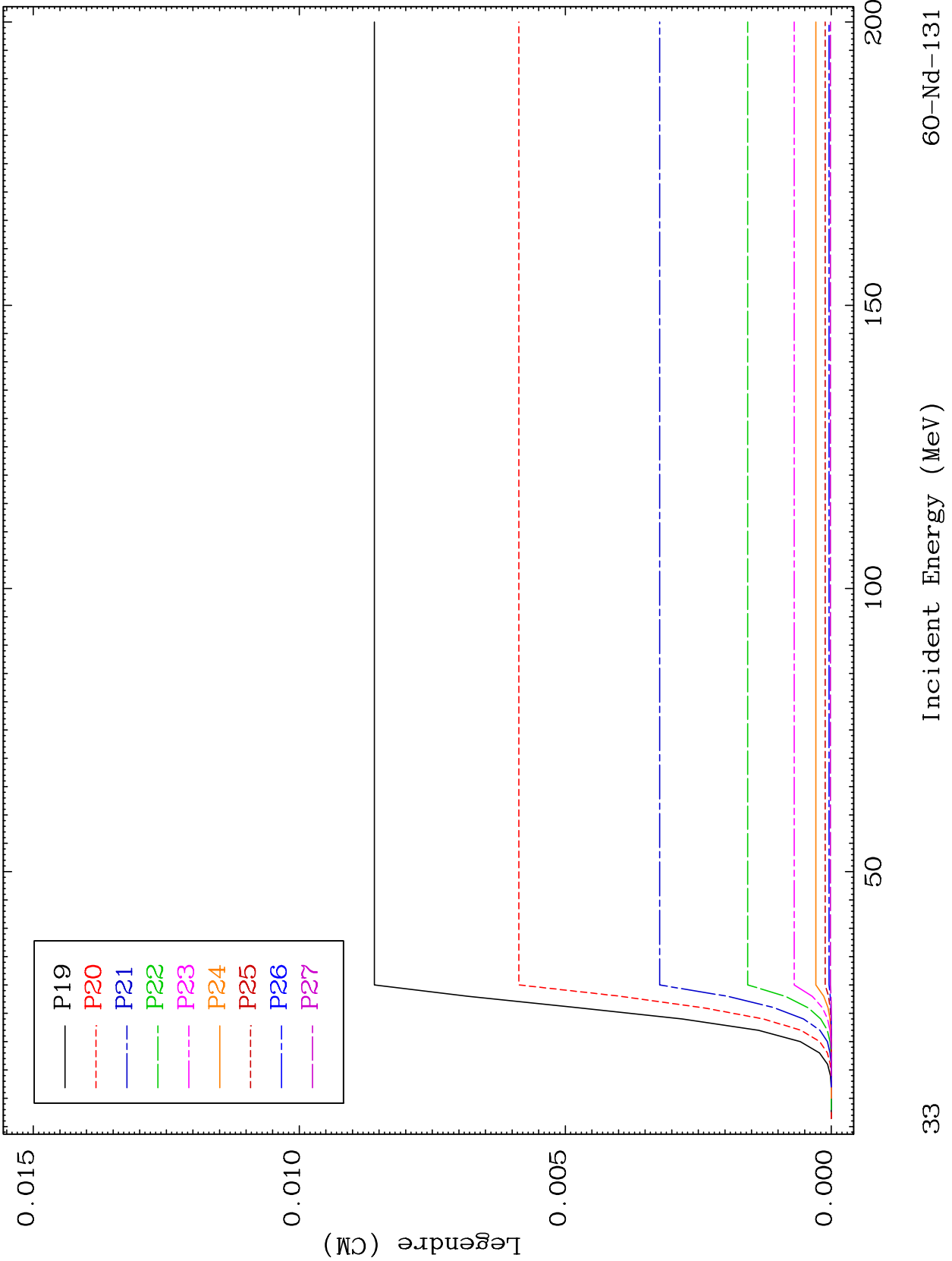
60-Nd-131



60-Nd-131

Incident Energy (MeV)

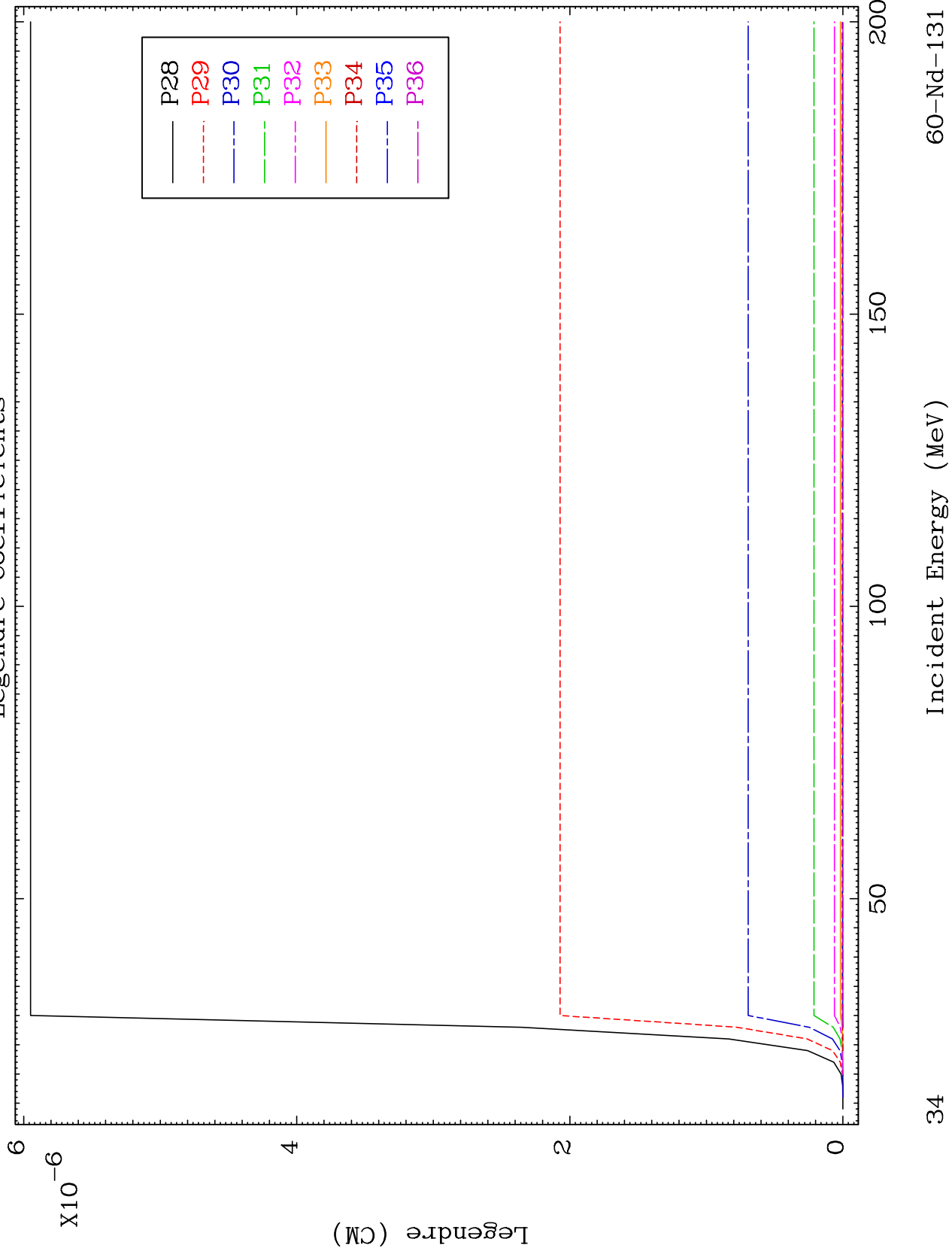
32



MAT 5992

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

60-Nd-131



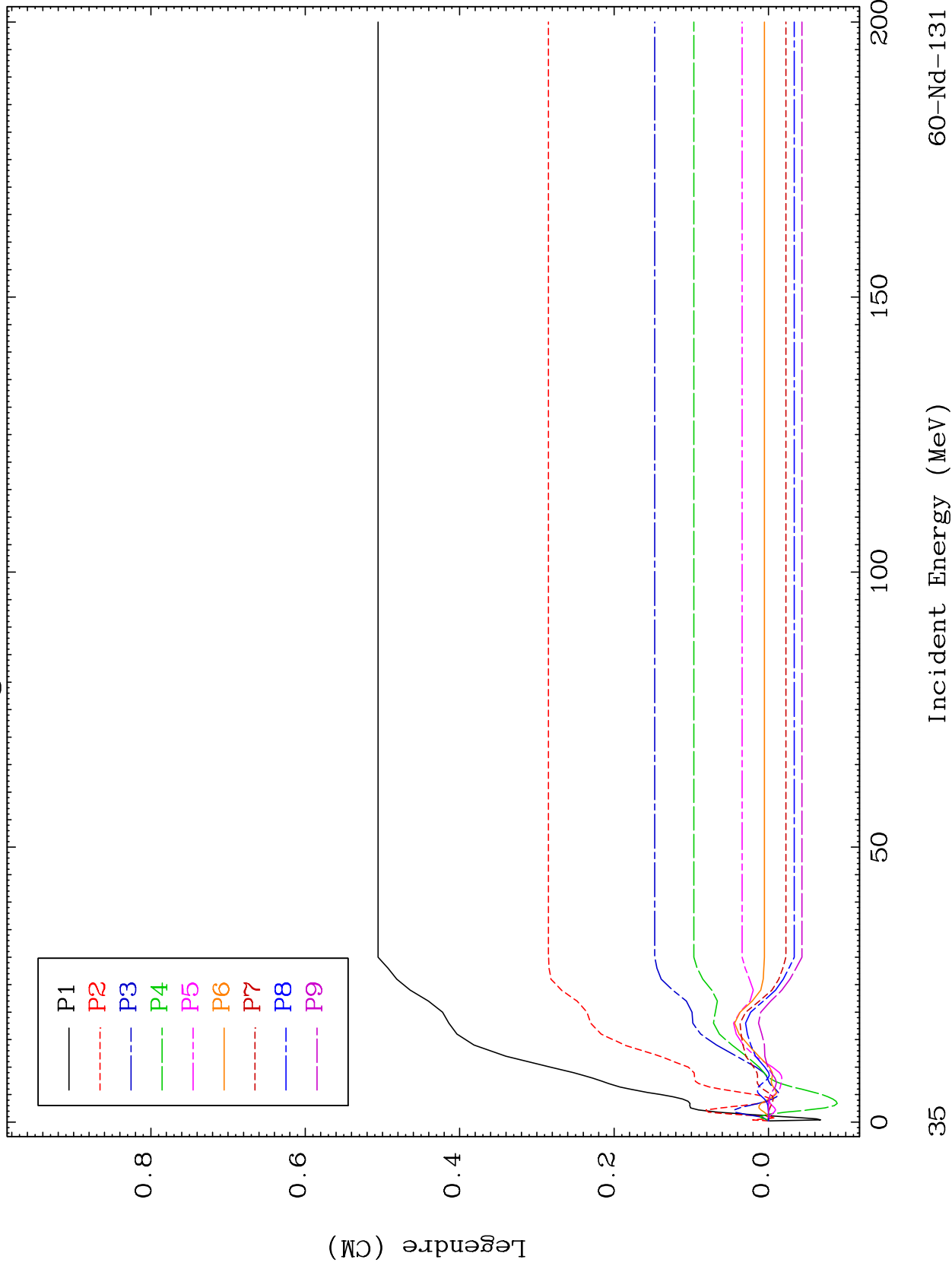
34

60-Nd-131

MAT 5992

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

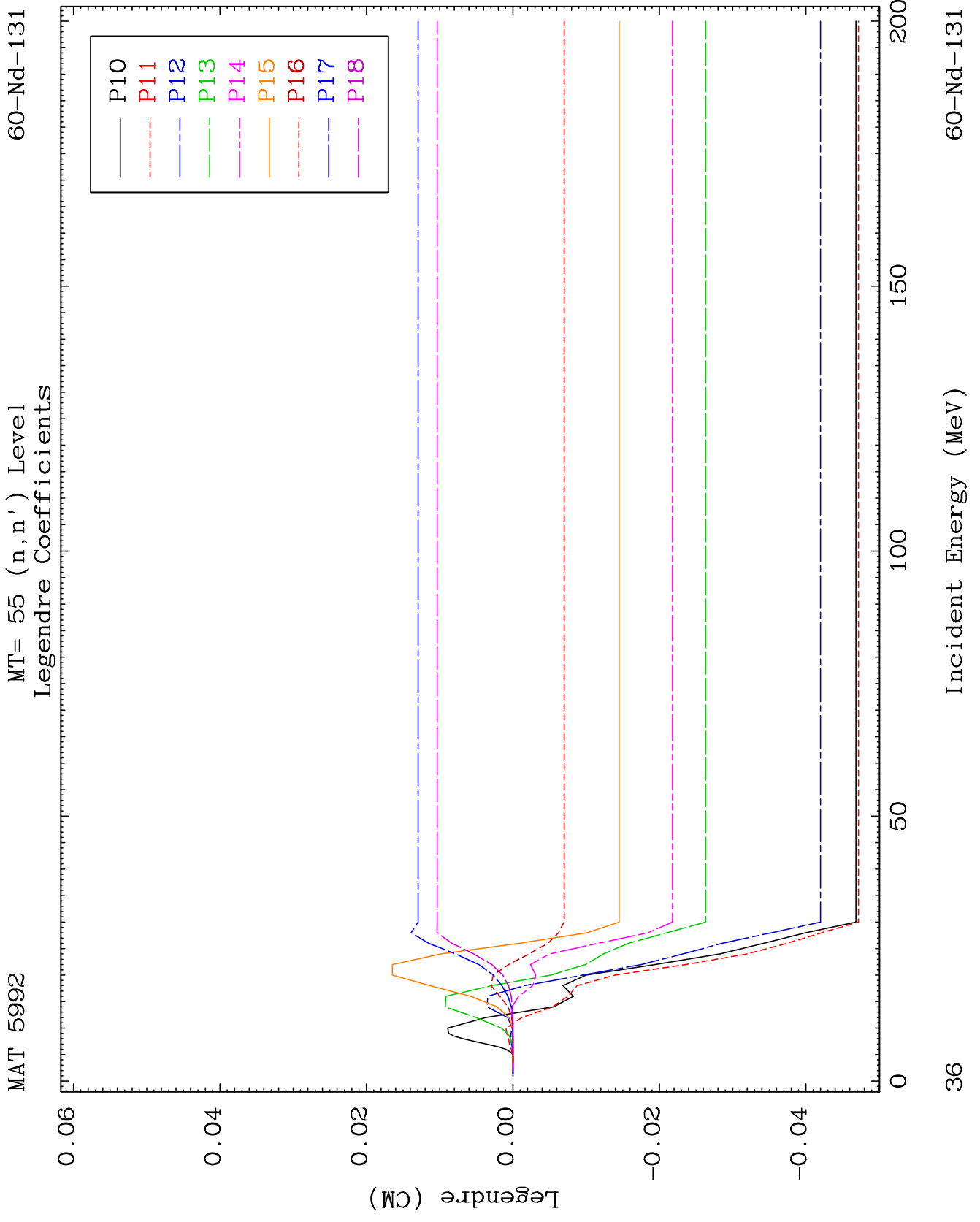
60-Nd-131



60-Nd-131

Incident Energy (MeV)

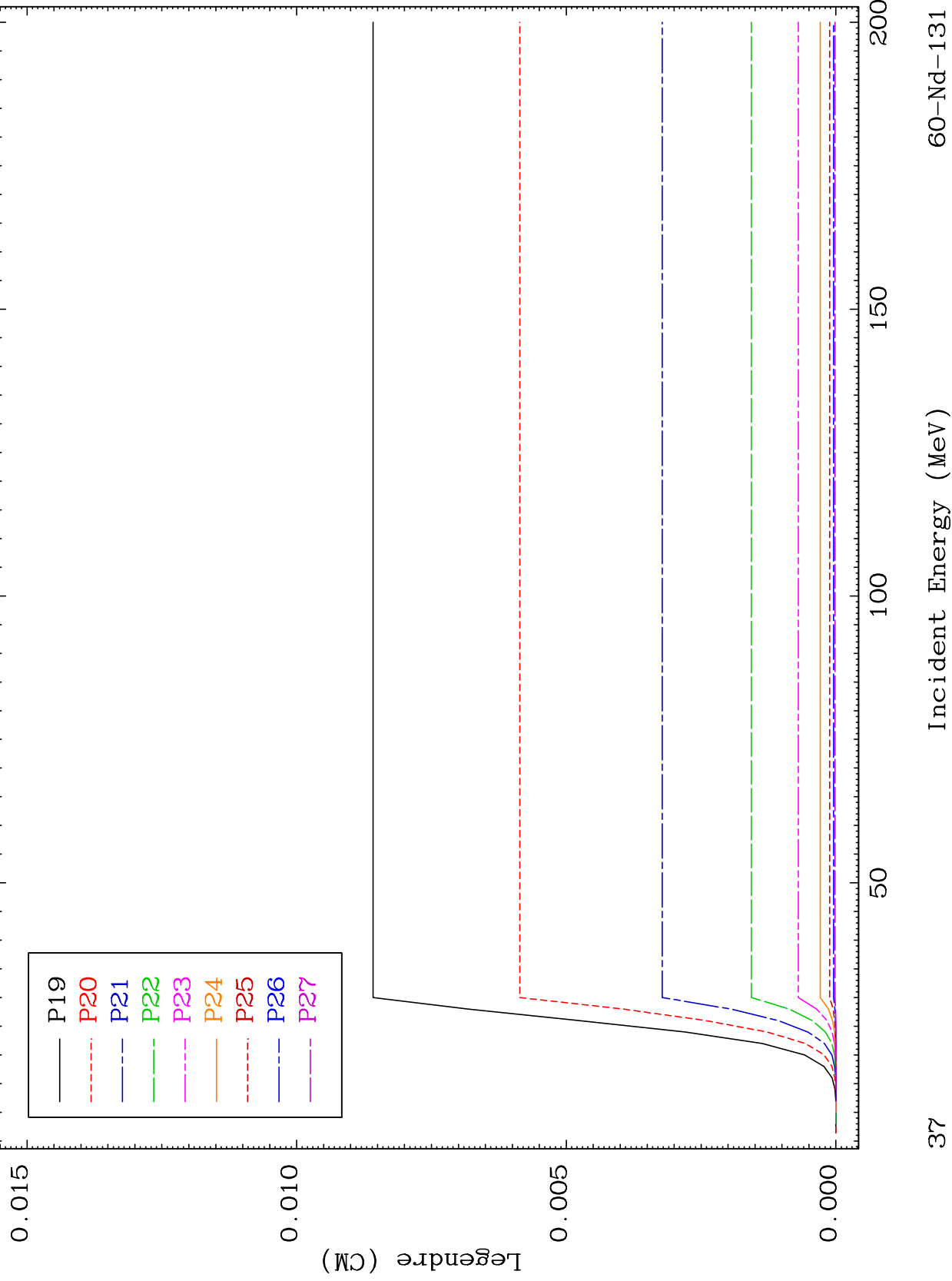
35



MAT 5992

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

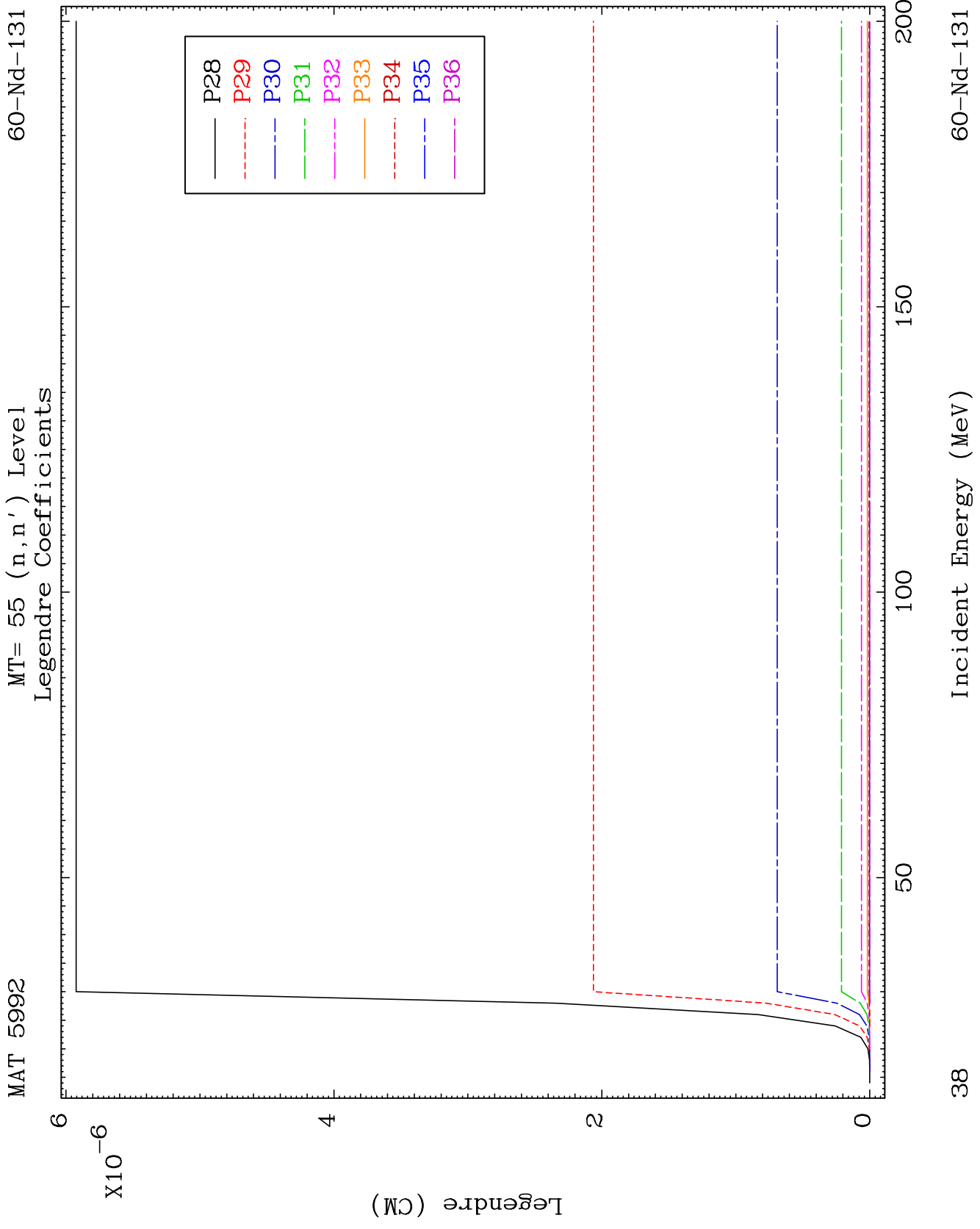
60-Nd-131



37

Incident Energy (MeV)

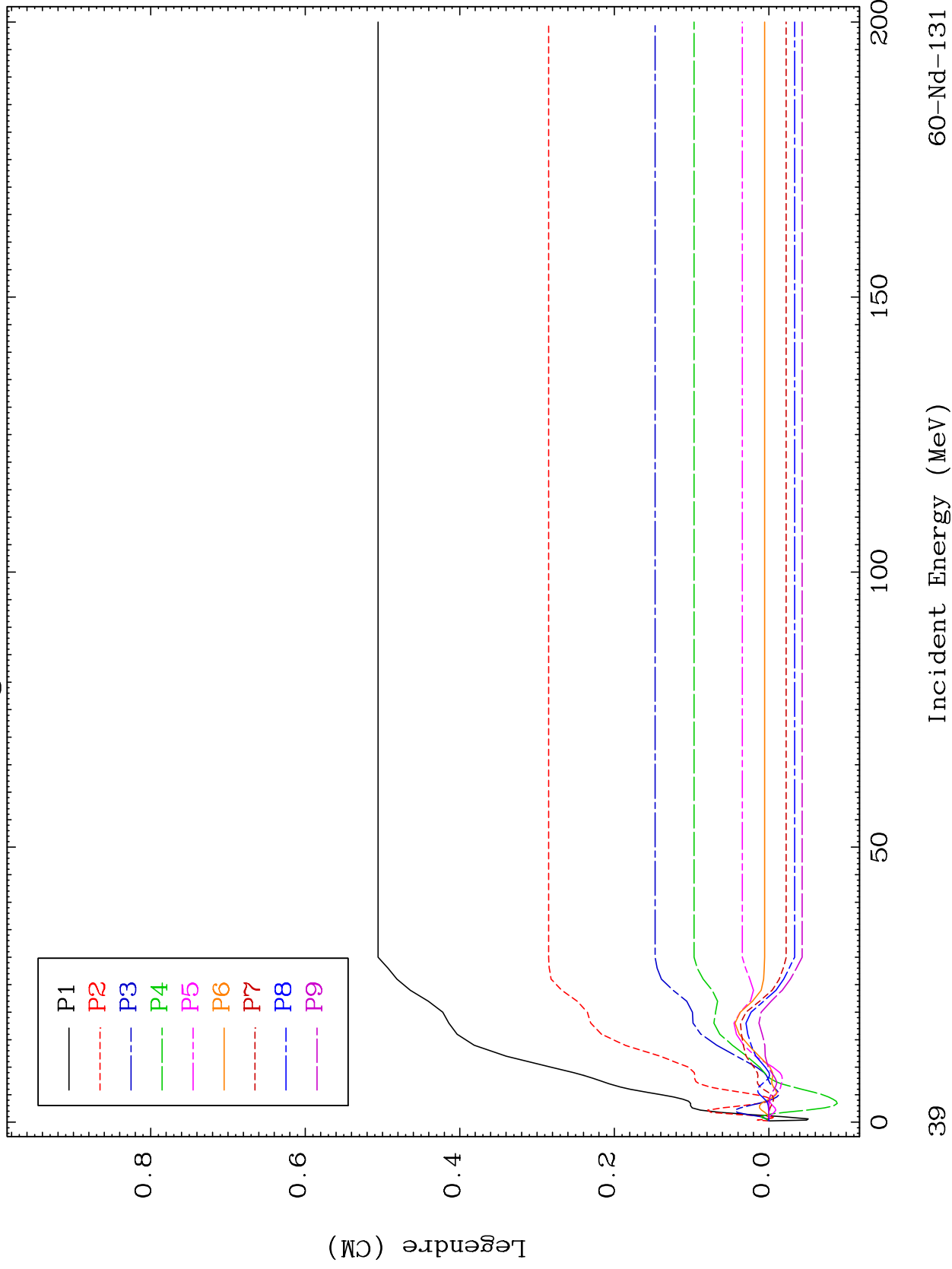
60-Nd-131



MAT 5992

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

60-Nd-131

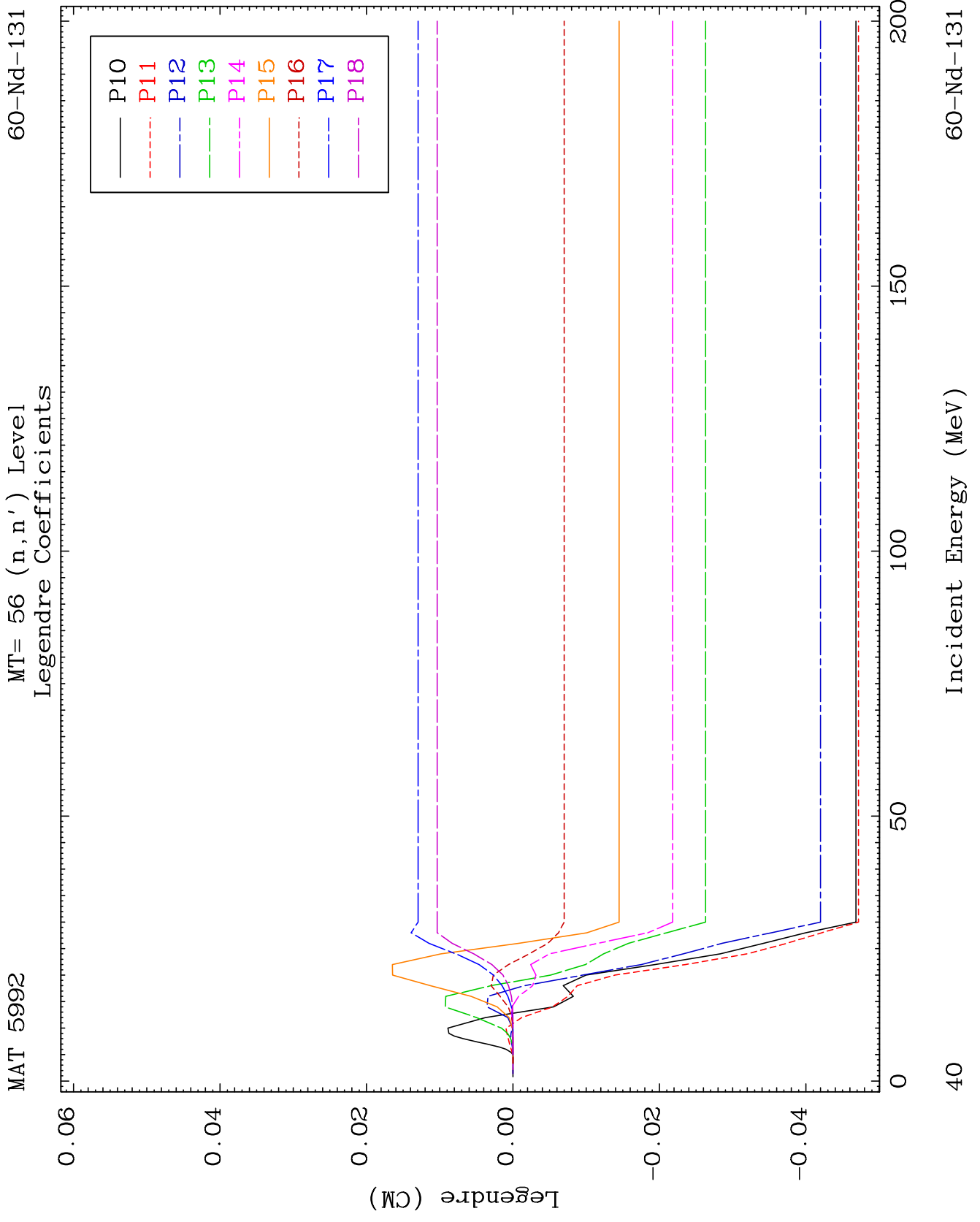


39

Incident Energy (MeV)

60-Nd-131

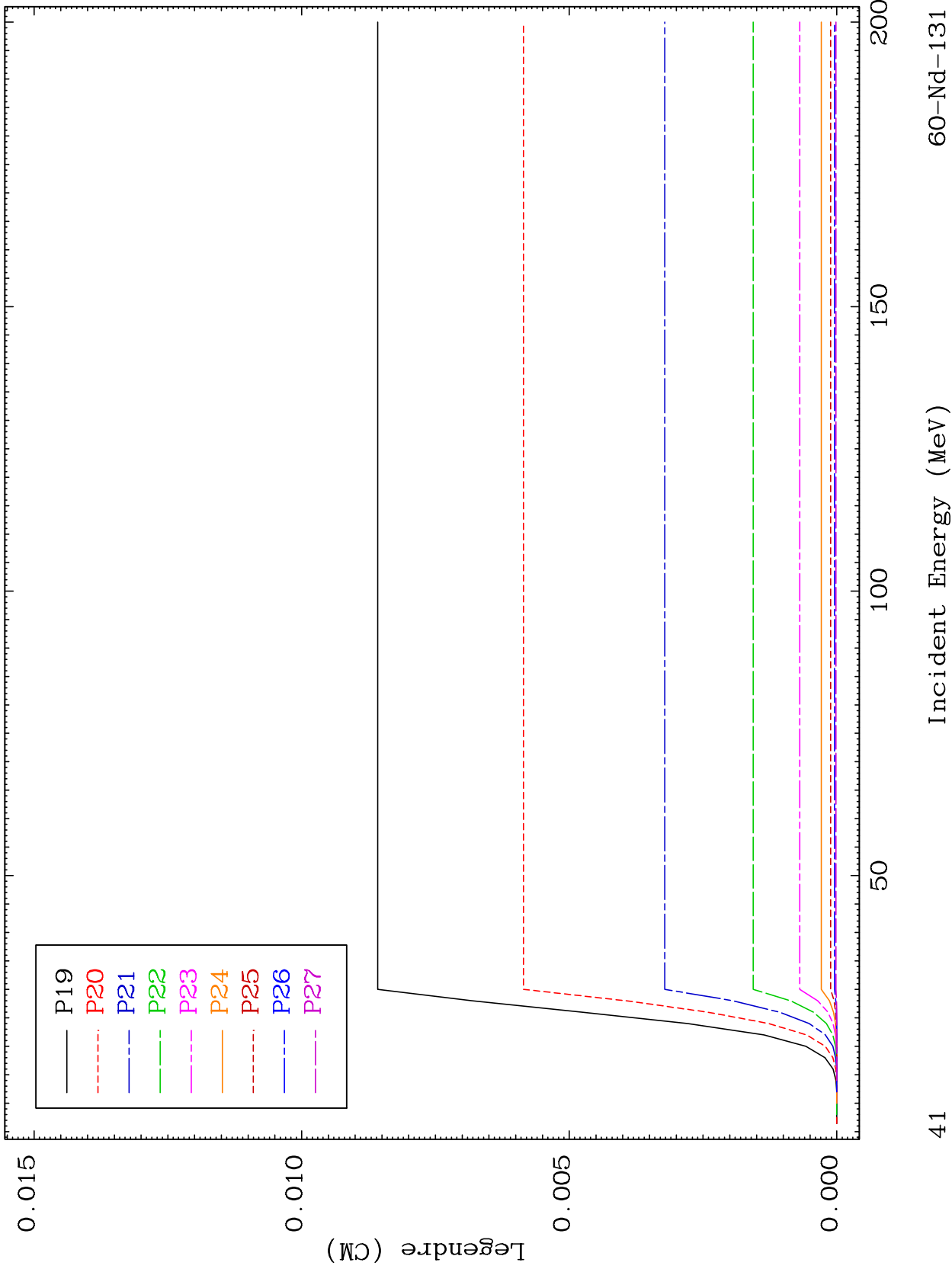




MAT 5992

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

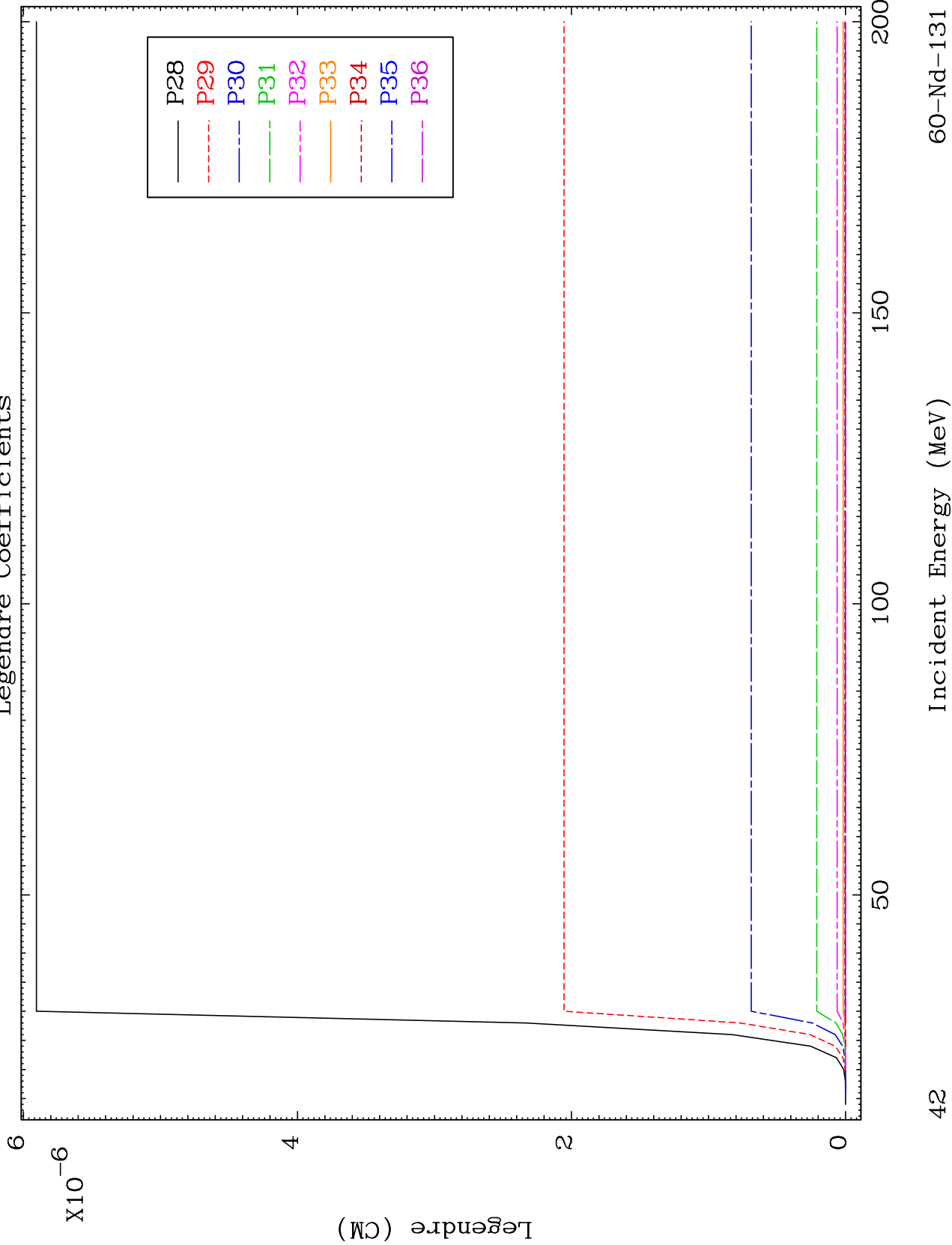
60-Nd-131



MAT 5992

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

60-Nd-131



42

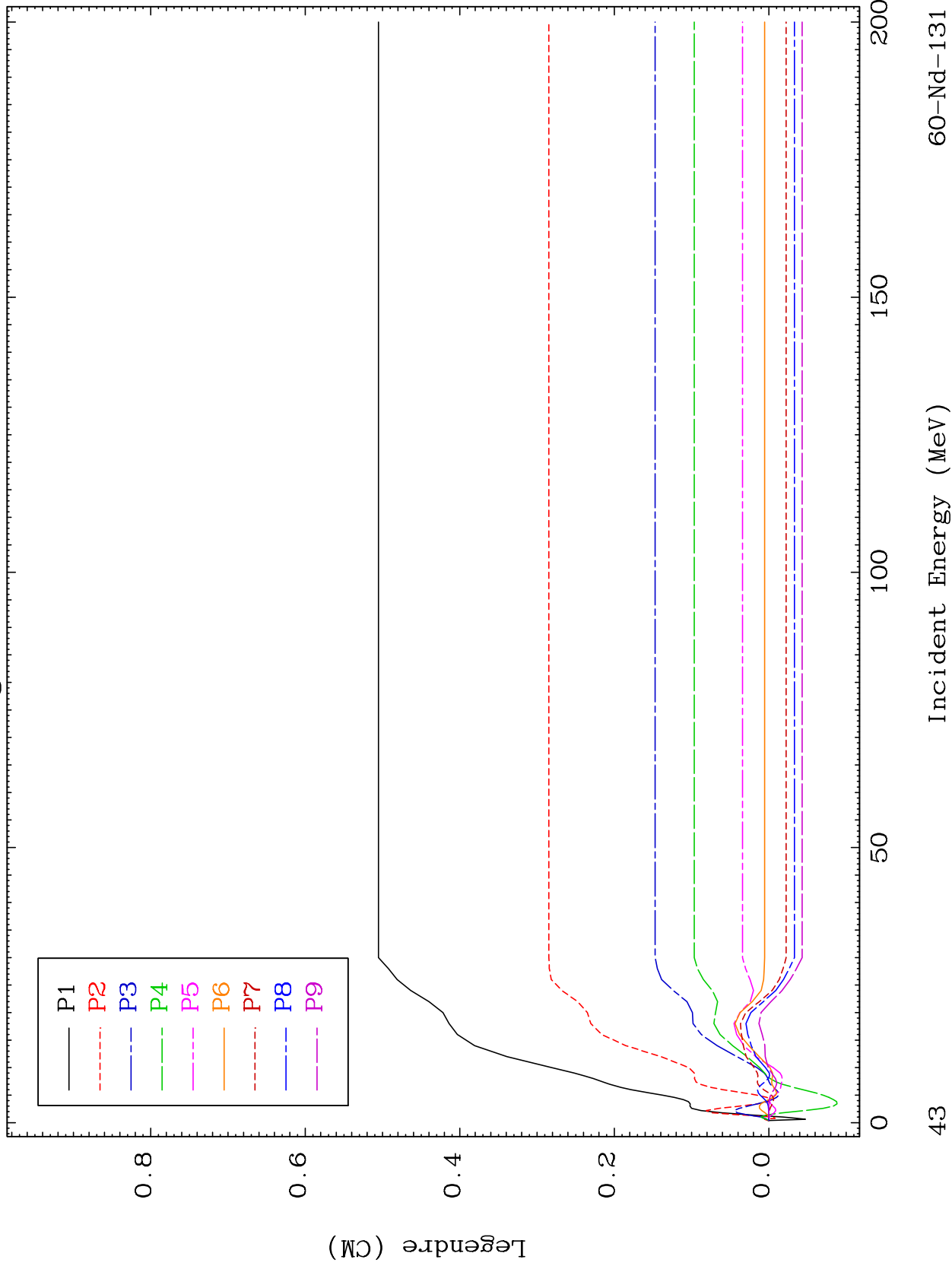
Incident Energy (MeV)

60-Nd-131

MAT 5992

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

60-Nd-131



60-Nd-131

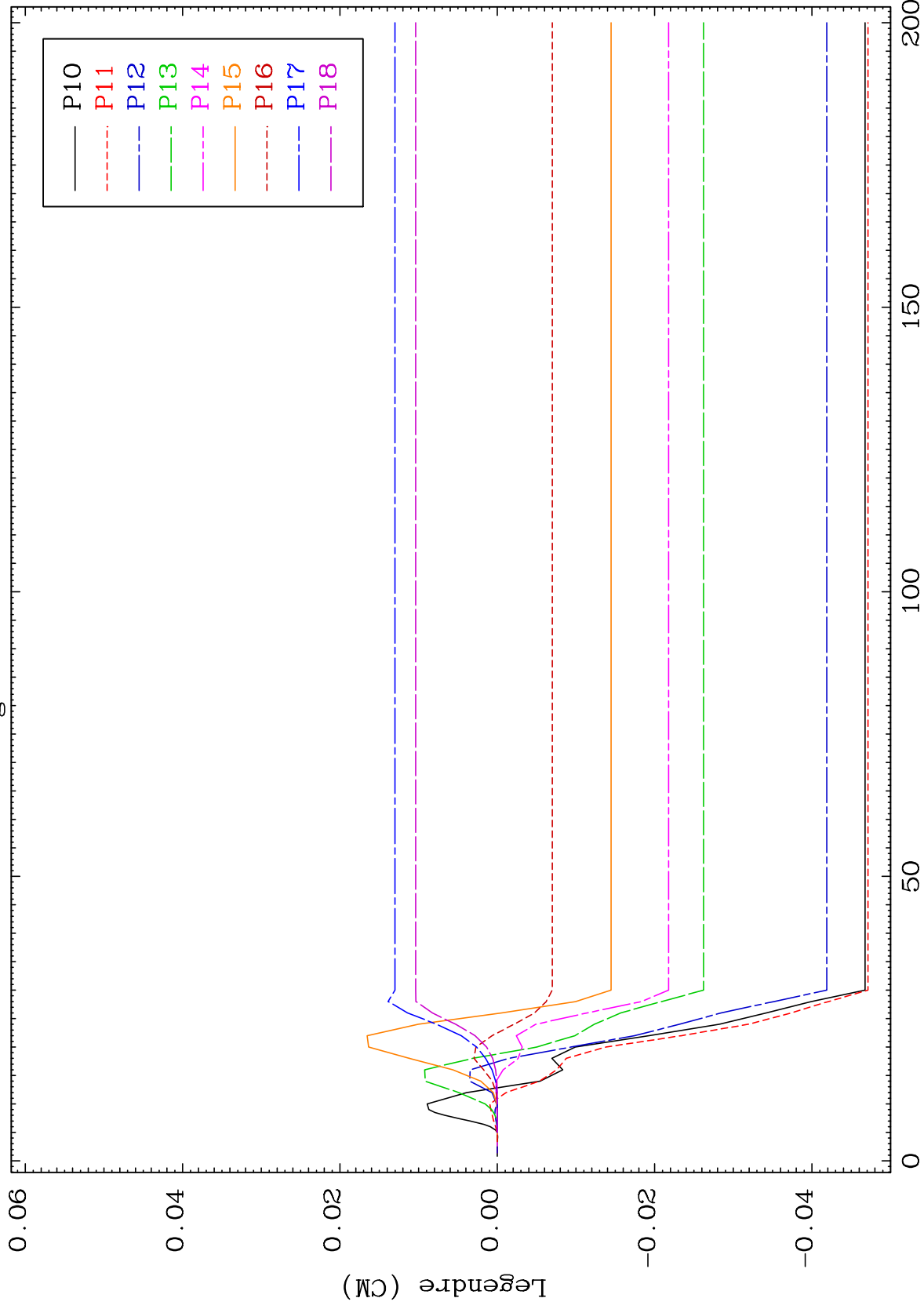
Incident Energy (MeV)

43

MAT 5992

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

60-Nd-131



44

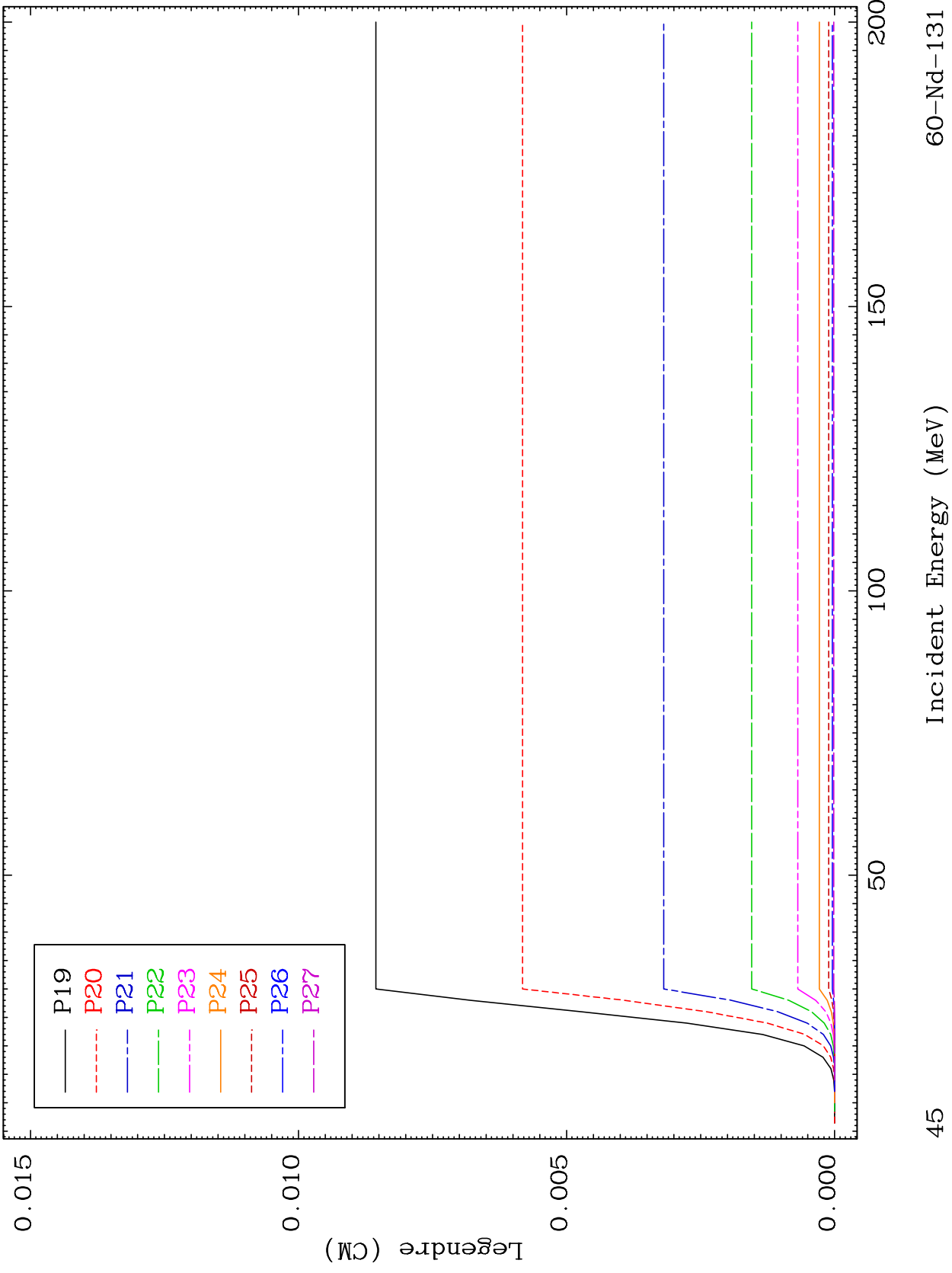
Incident Energy (MeV)

60-Nd-131

MAT 5992

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

60-Nd-131



45

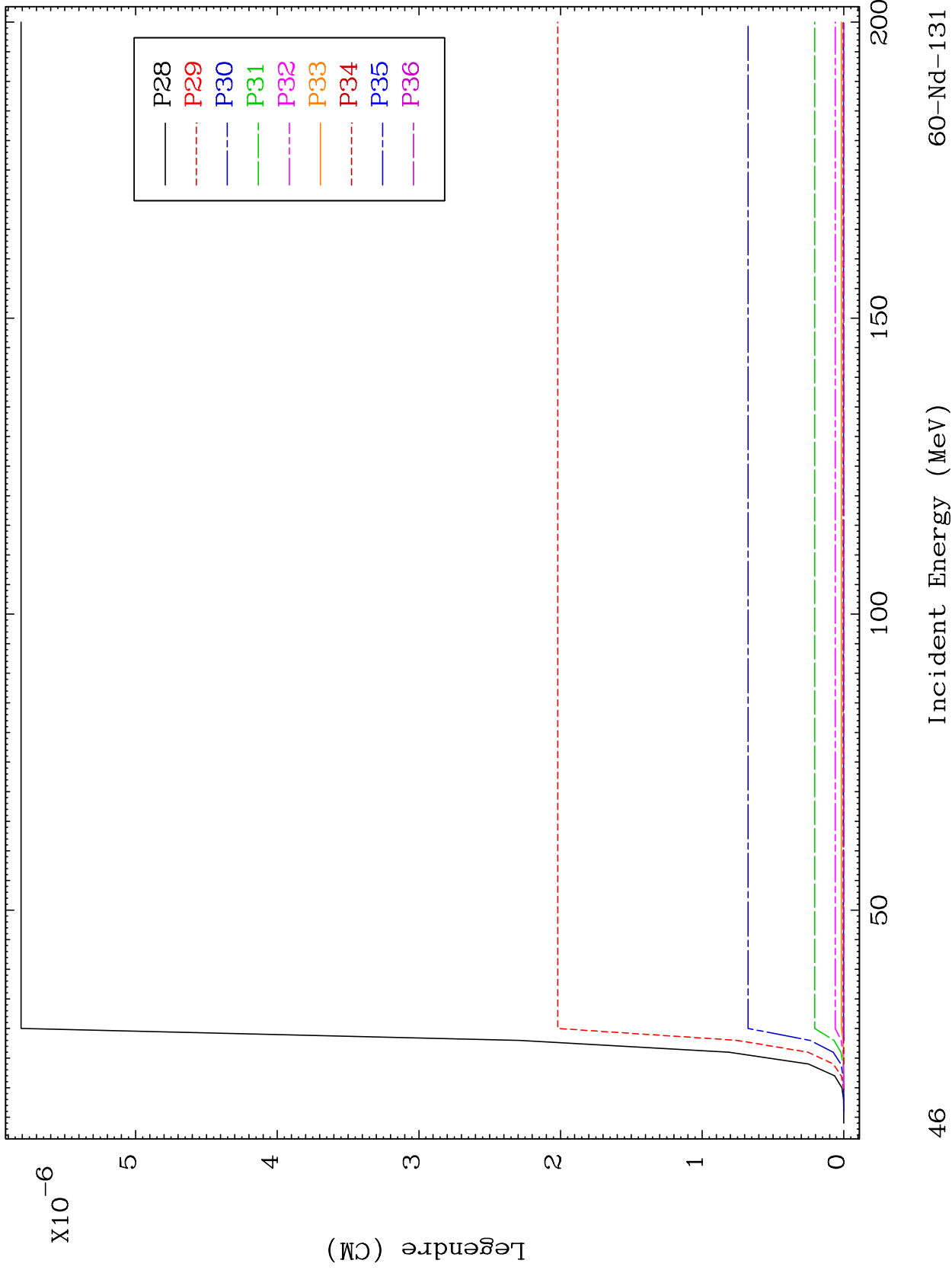
Incident Energy (MeV)

60-Nd-131

MAT 5992

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

60-Nd-131



46

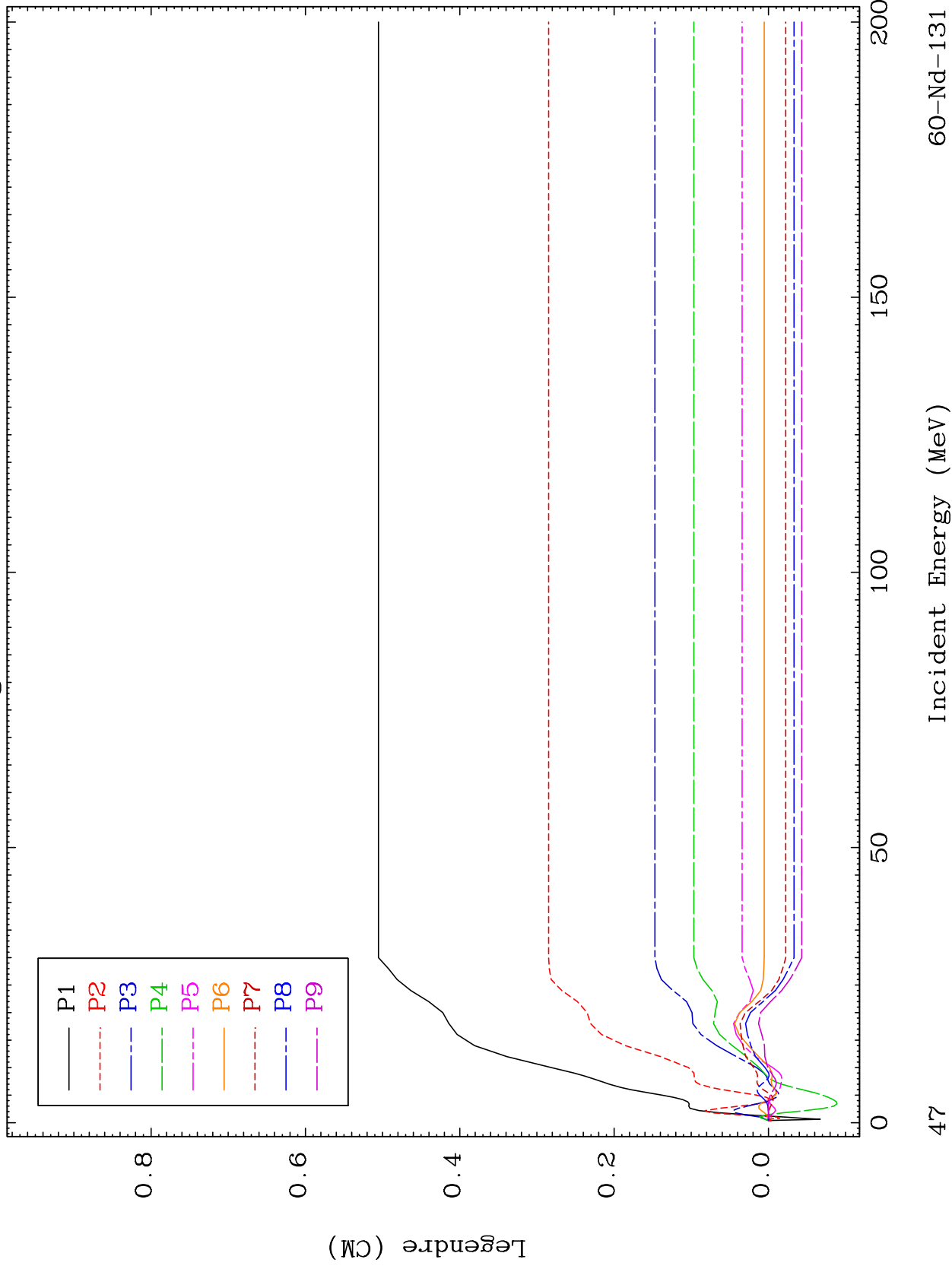
Incident Energy (MeV)

60-Nd-131

MAT 5992

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

60-Nd-131

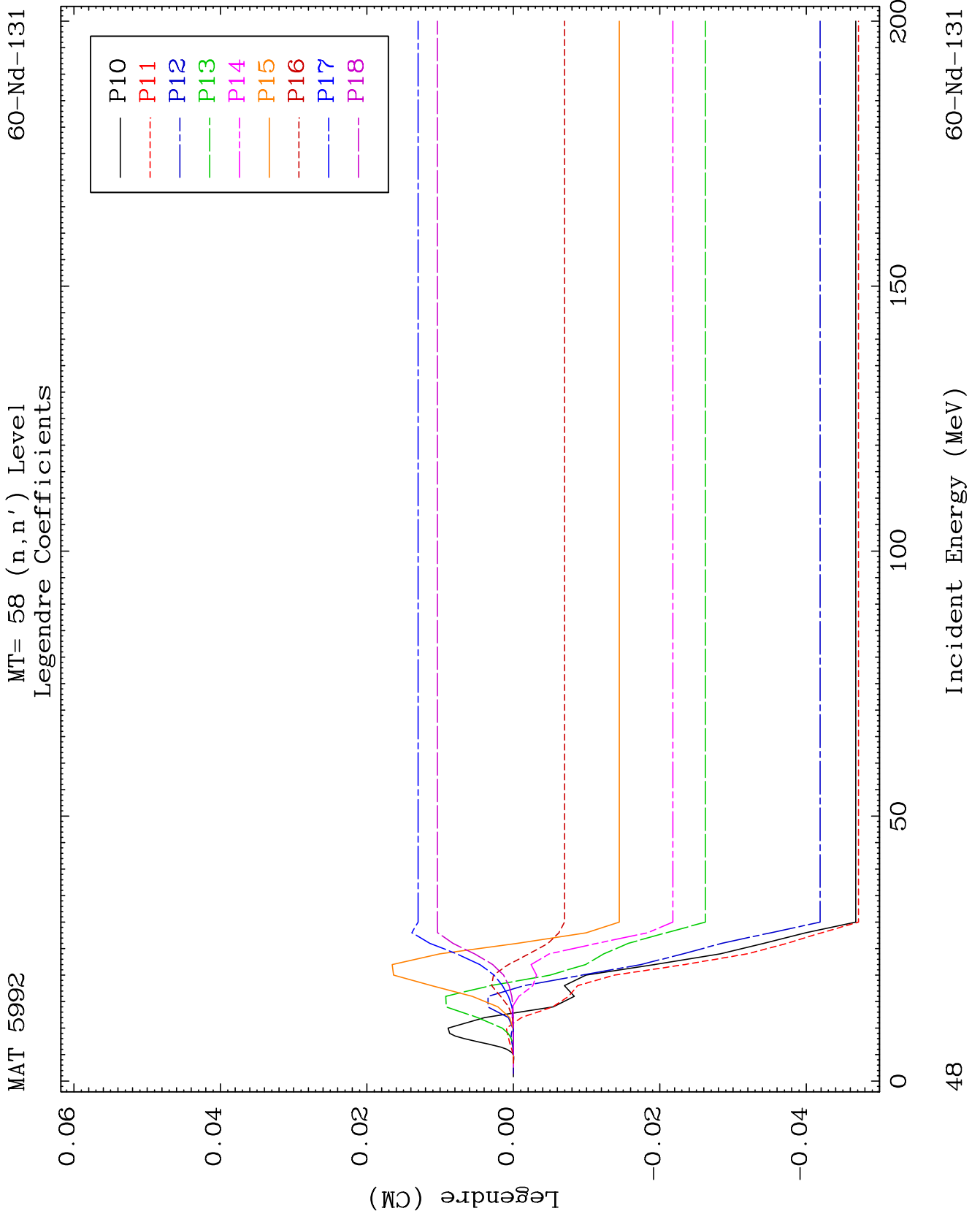


60-Nd-131

Incident Energy (MeV)

47

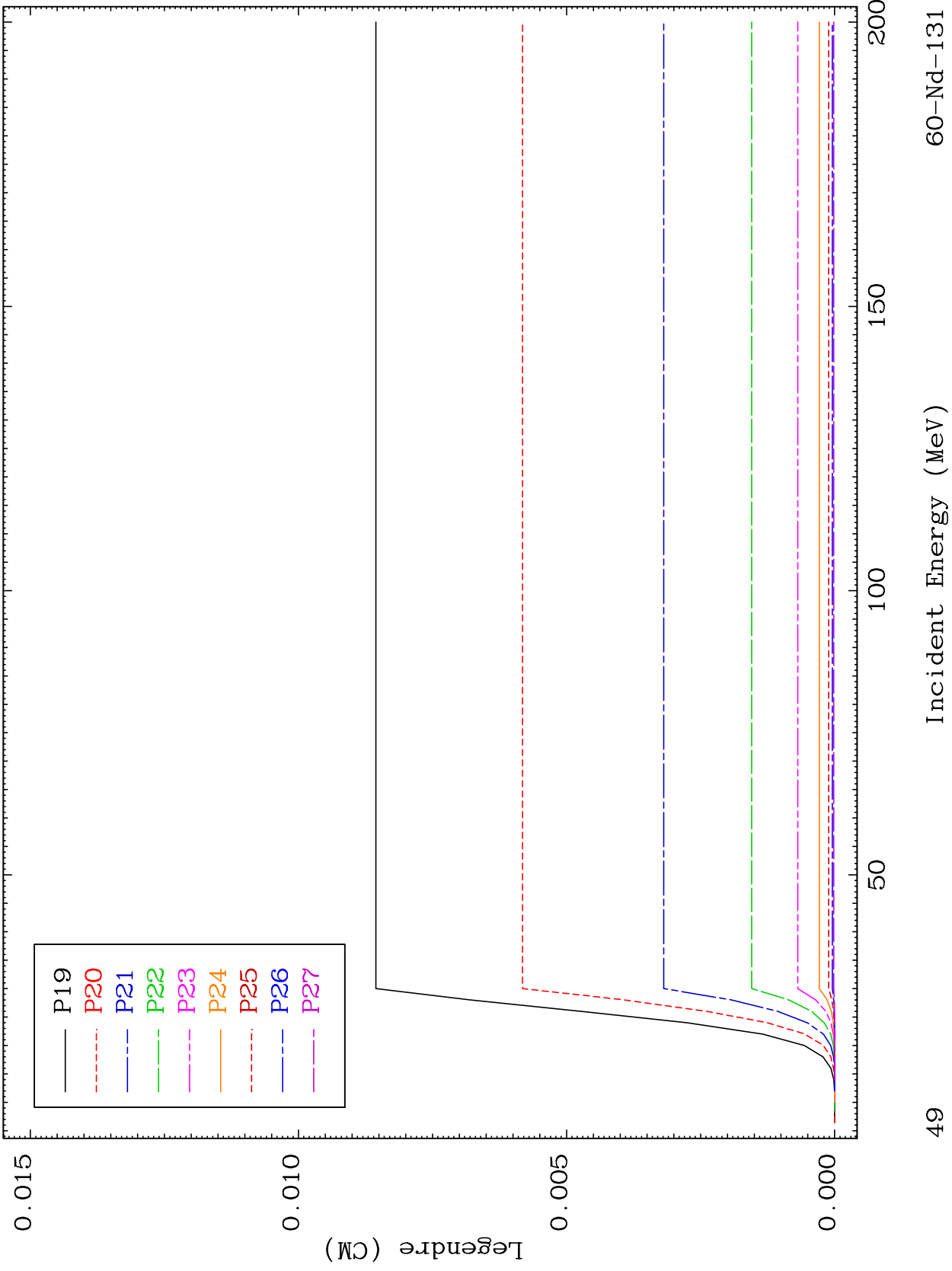




MAT 5992

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

60-Nd-131



49

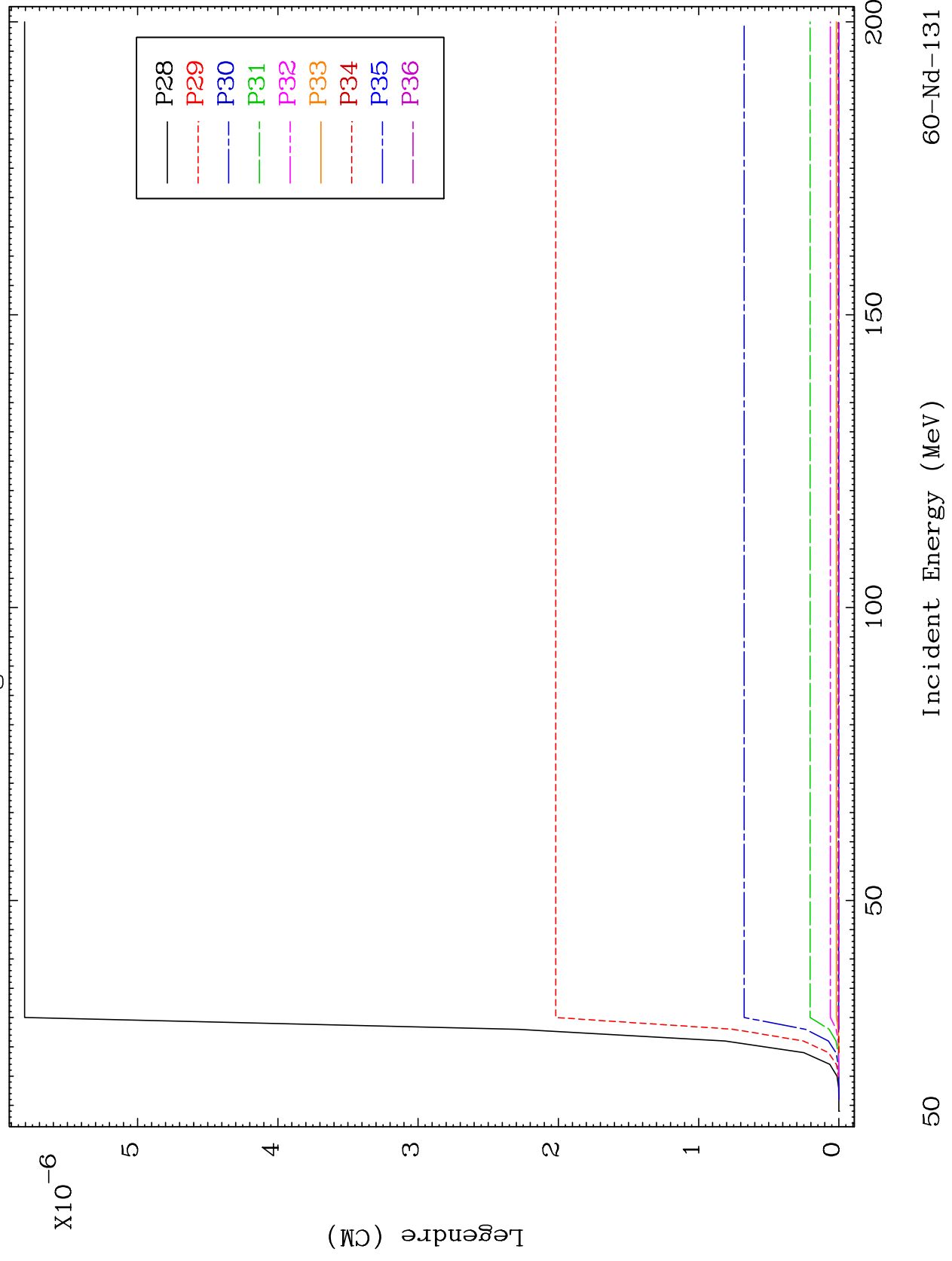
Incident Energy (MeV)

60-Nd-131

MAT 5992

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

60-Nd-131



60-Nd-131

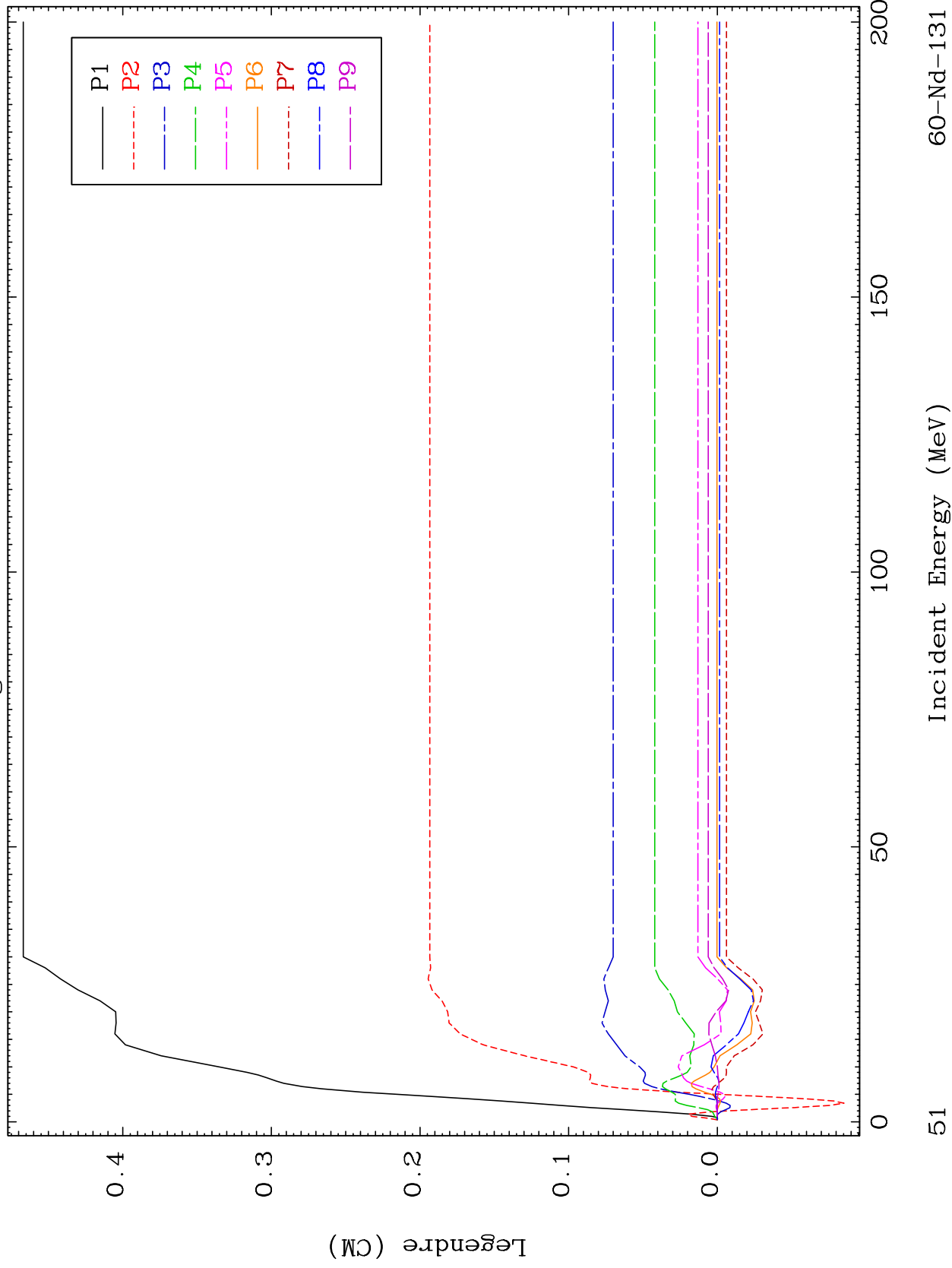
Incident Energy (MeV)

50

MAT 5992

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

60-Nd-131



60-Nd-131

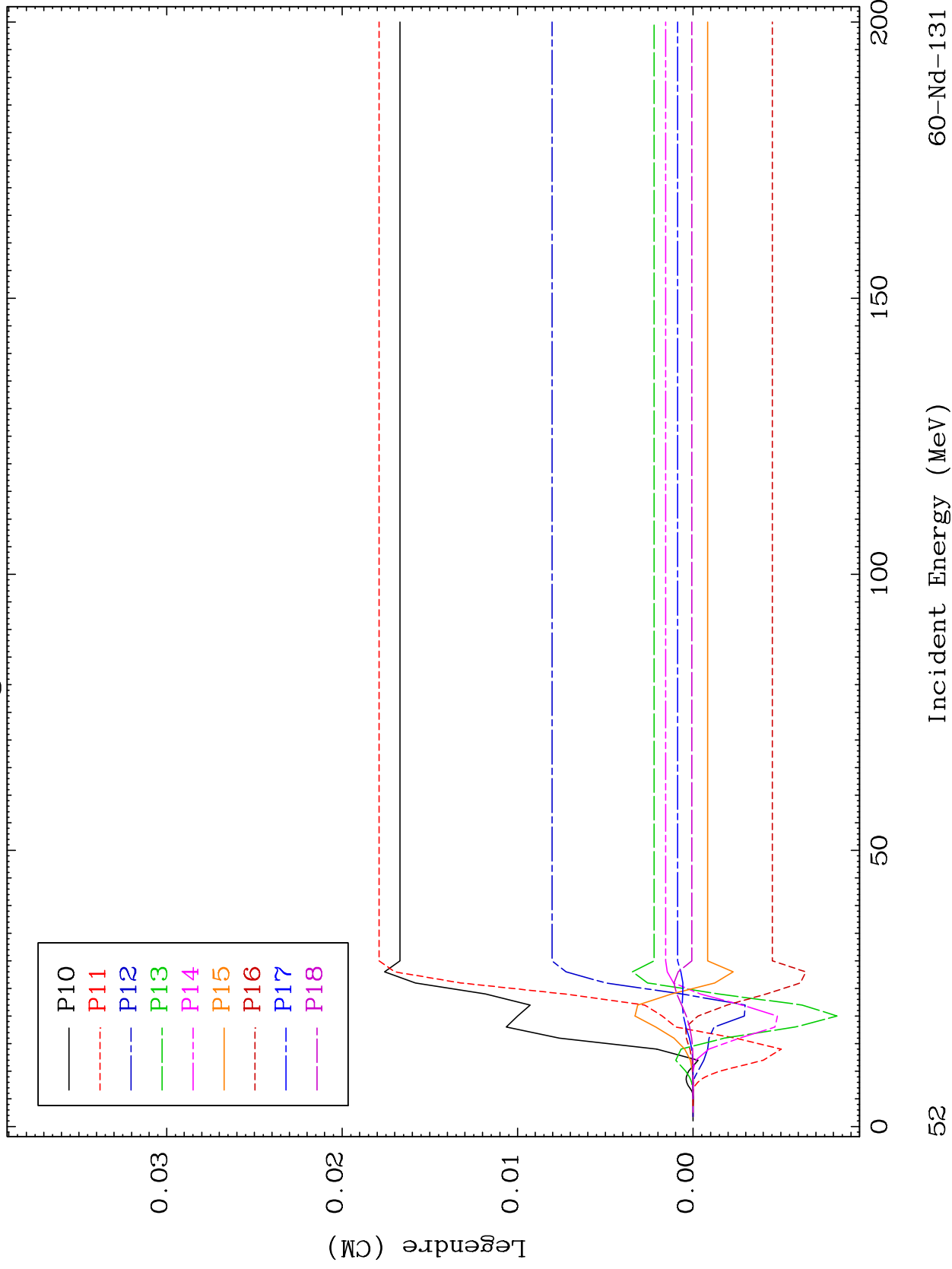
Incident Energy (MeV)

51

MAT 5992

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

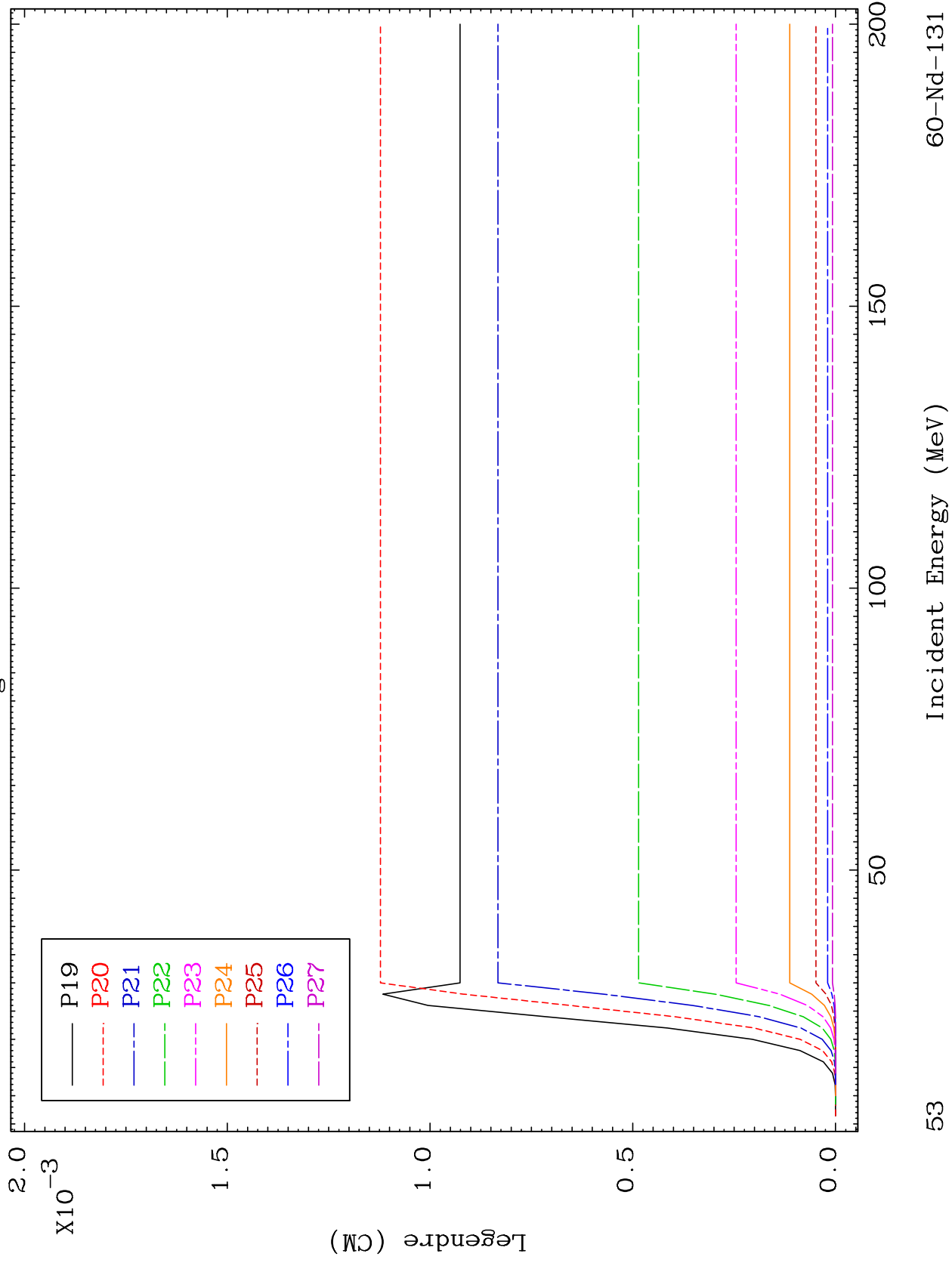
60-Nd-131



60-Nd-131

Incident Energy (MeV)

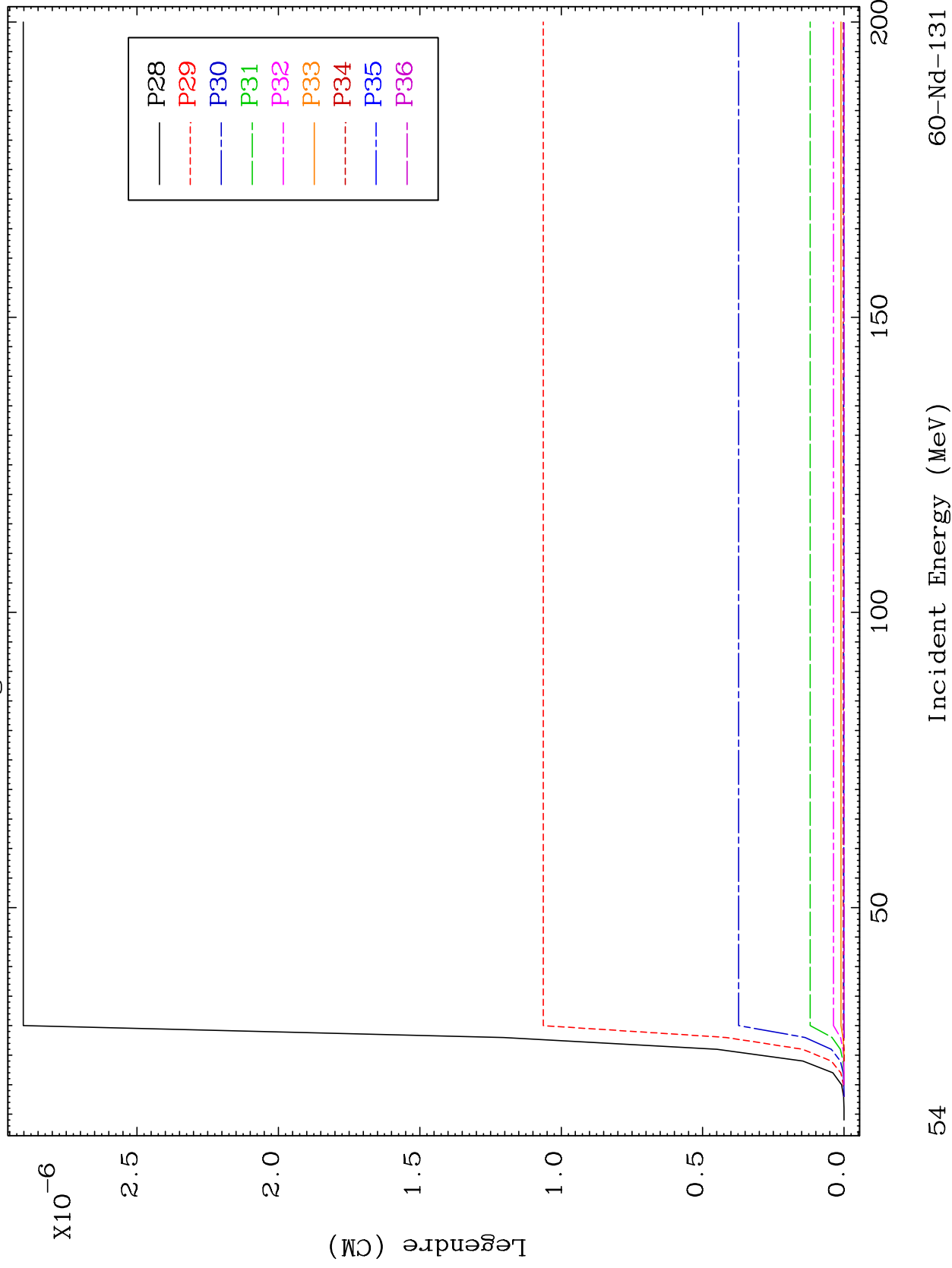
52



MAT 5992

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

60-Nd-131



54

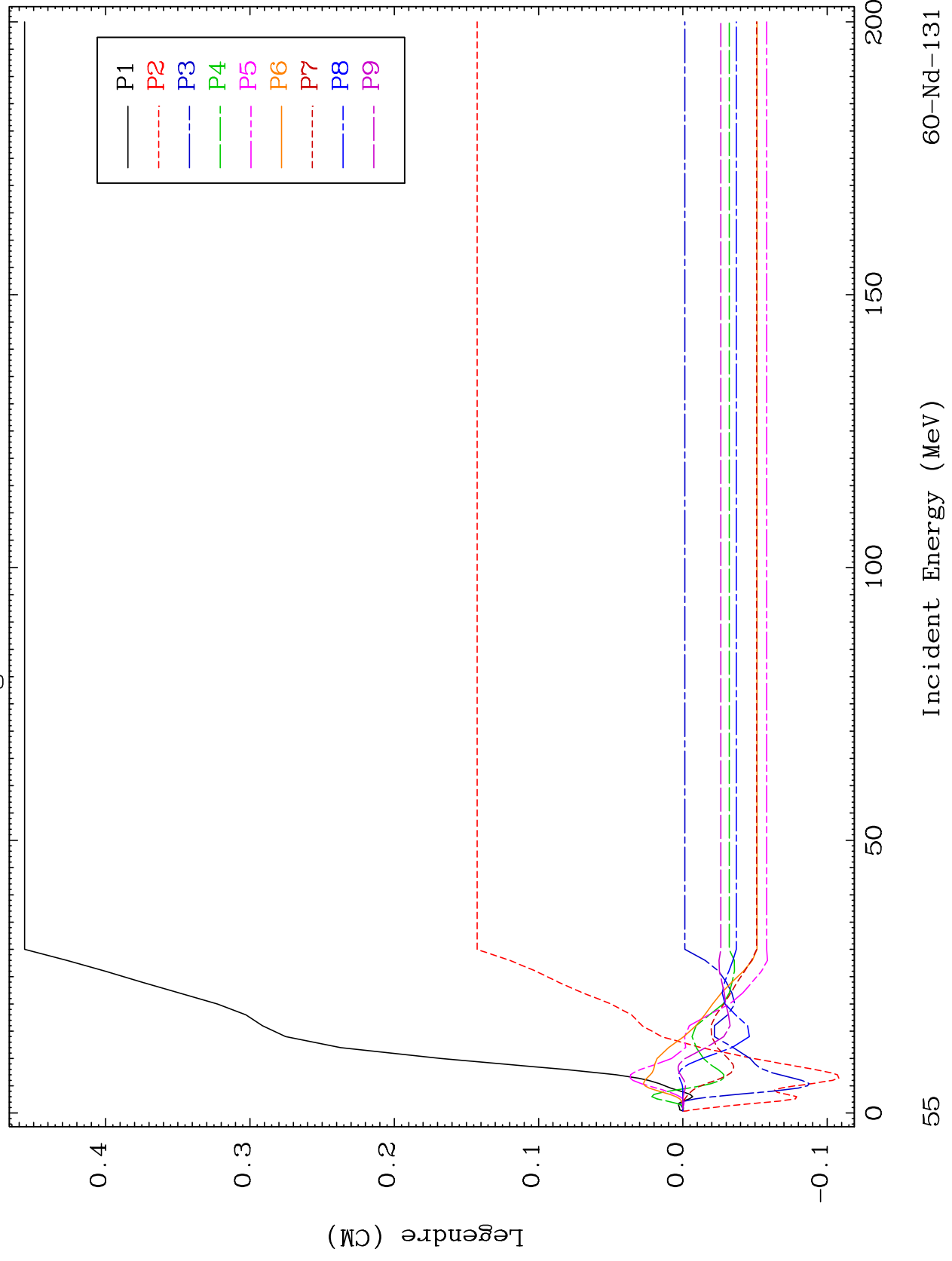
Incident Energy (MeV)

60-Nd-131

MAT 5992

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

60-Nd-131

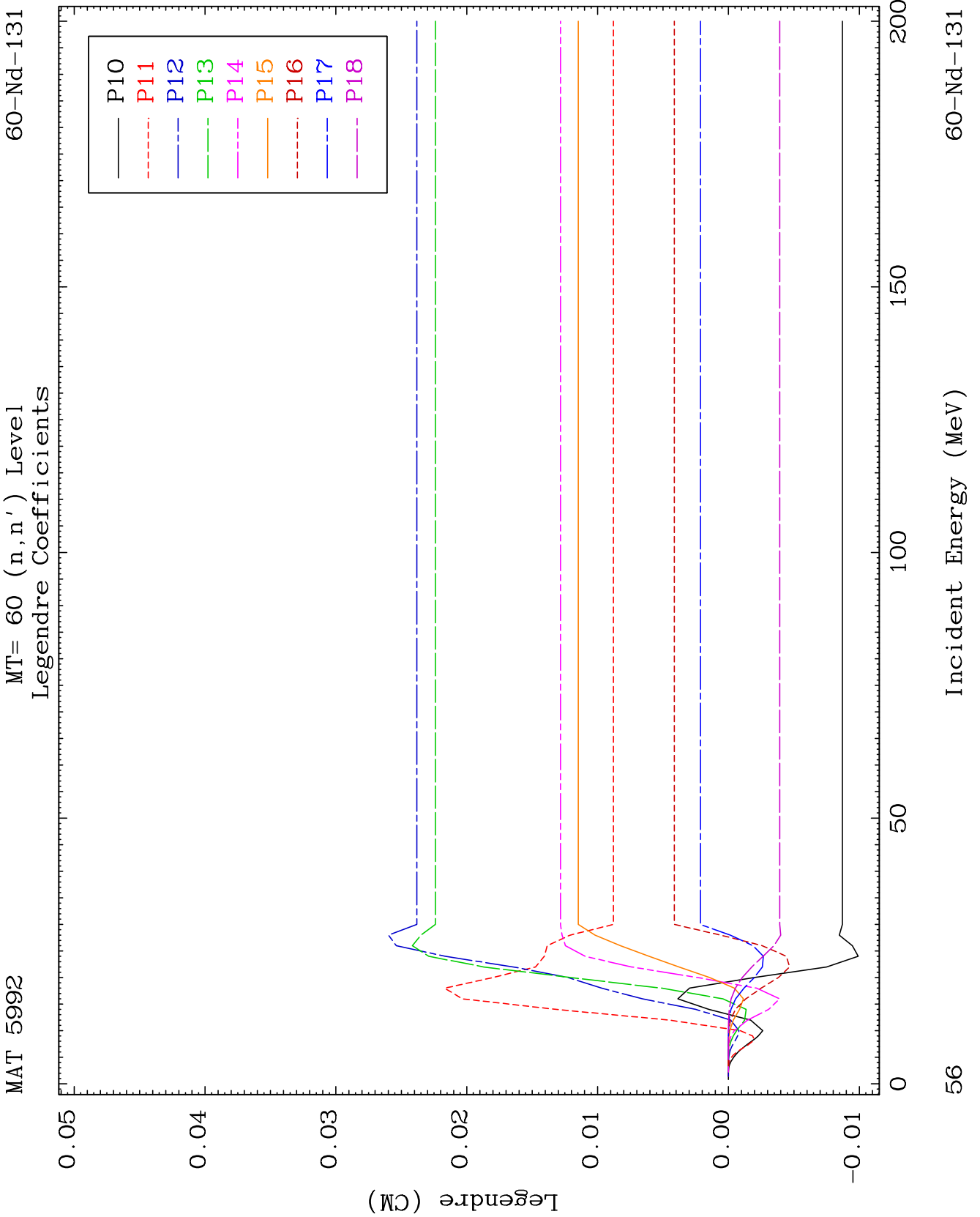


60-Nd-131

Incident Energy (MeV)

55

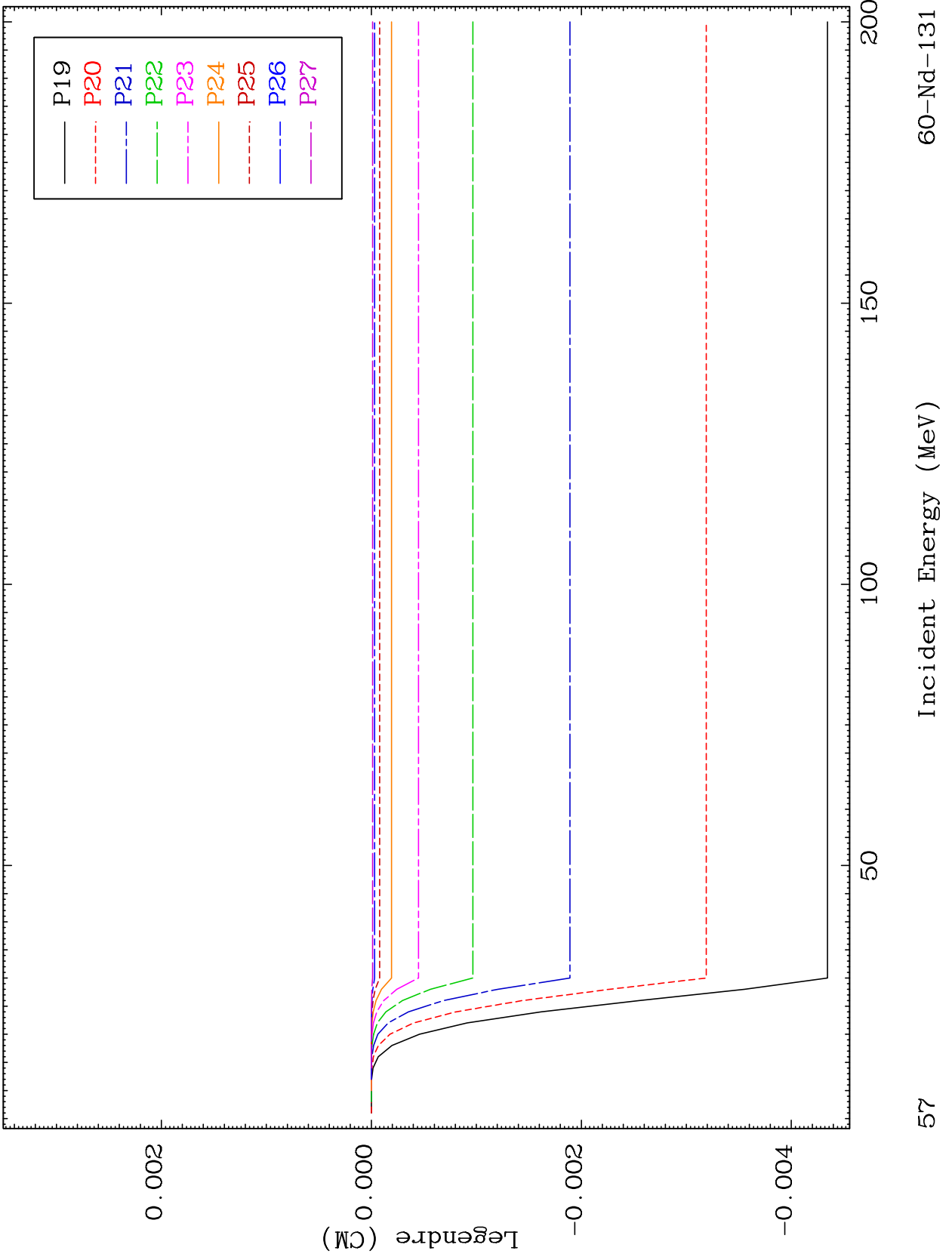




MAT 5992

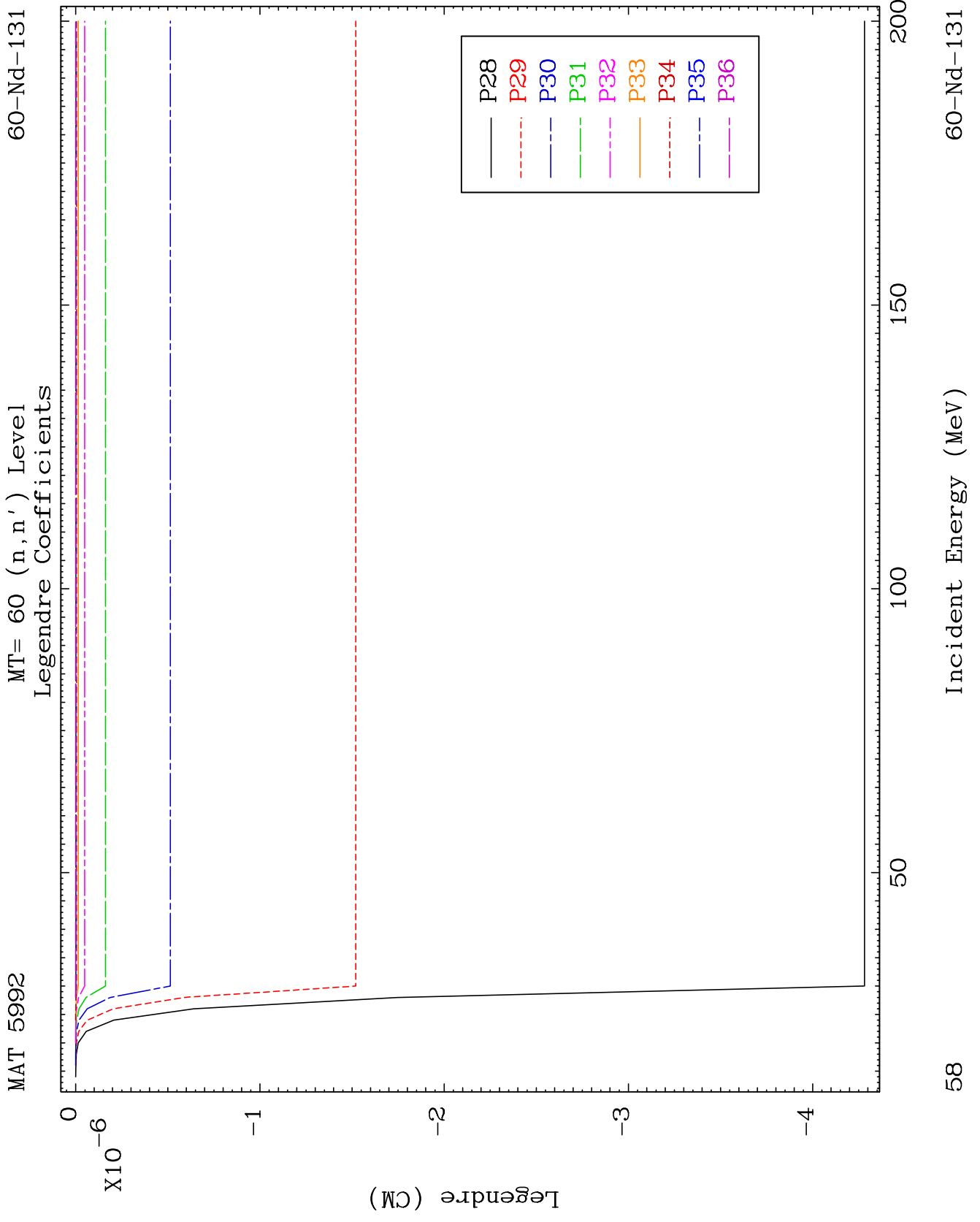
MT= 60 (n,n') Level  
Legendre Coefficients

60-Nd-131



57

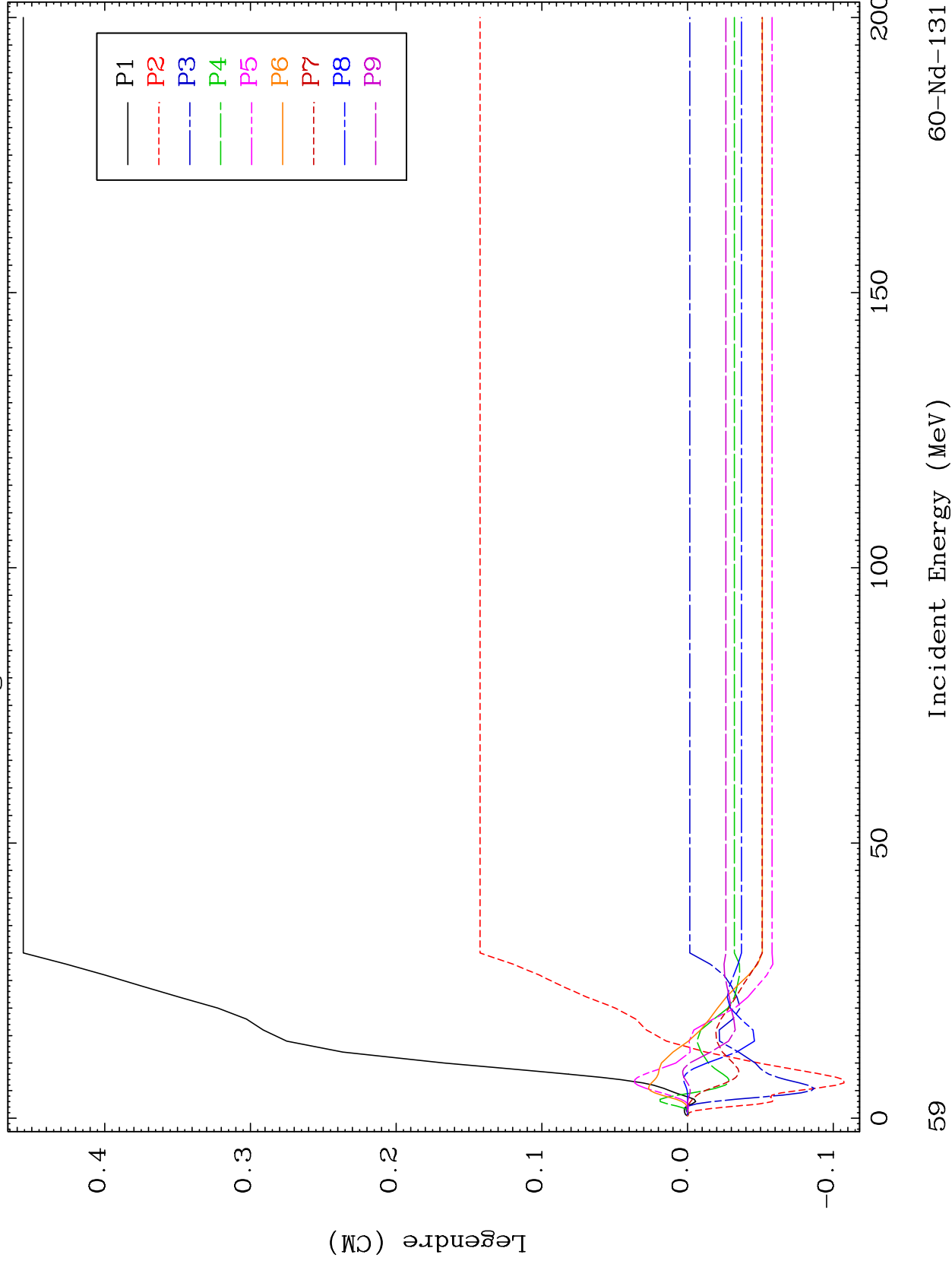
60-Nd-131



MAT 5992

MT= 61 (n,n') Level  
Legendre Coefficients

60-Nd-131



60-Nd-131

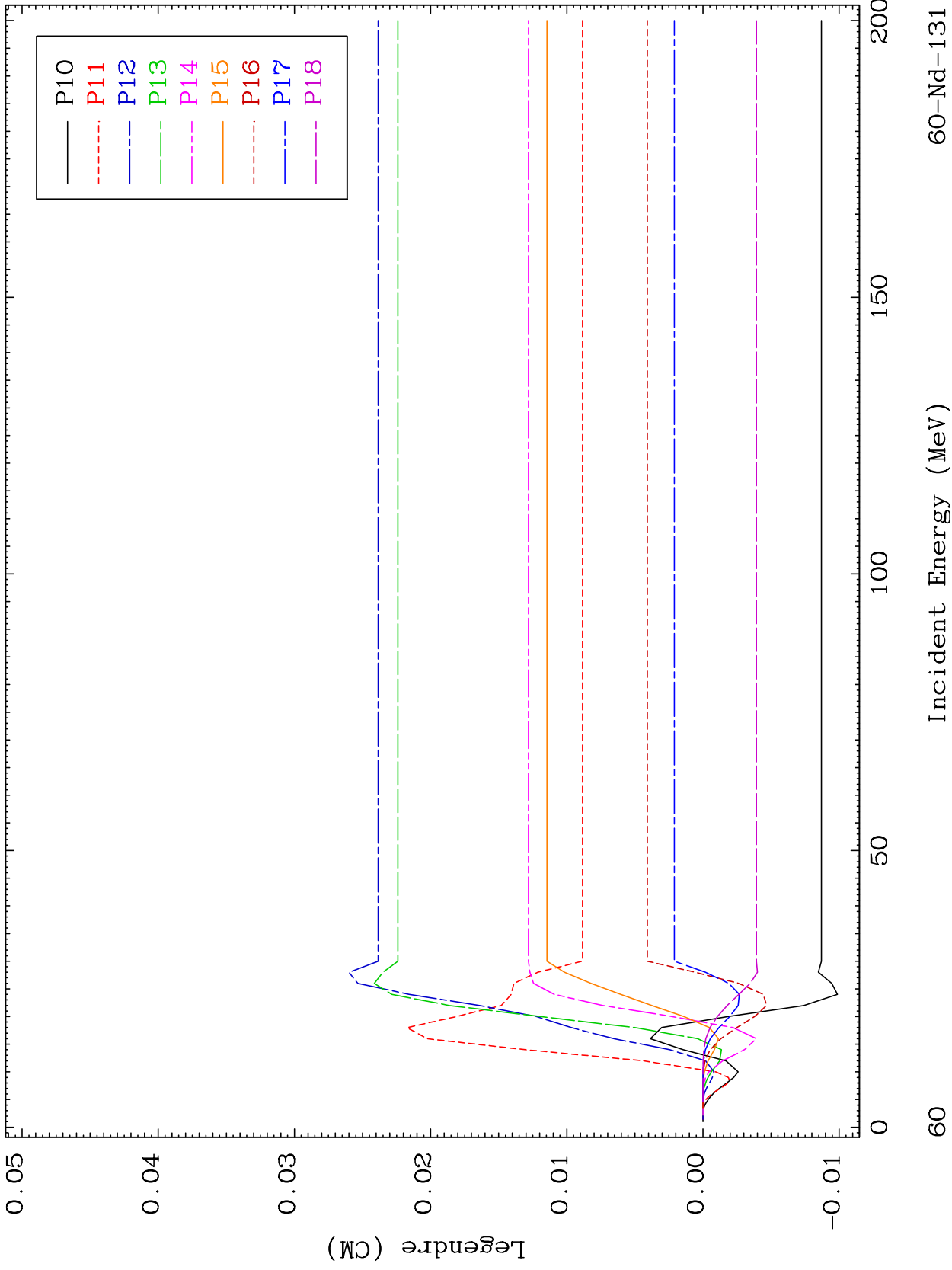
Incident Energy (MeV)

59

MAT 5992

MT= 61 (n,n') Level  
Legendre Coefficients

60-Nd-131



60-Nd-131

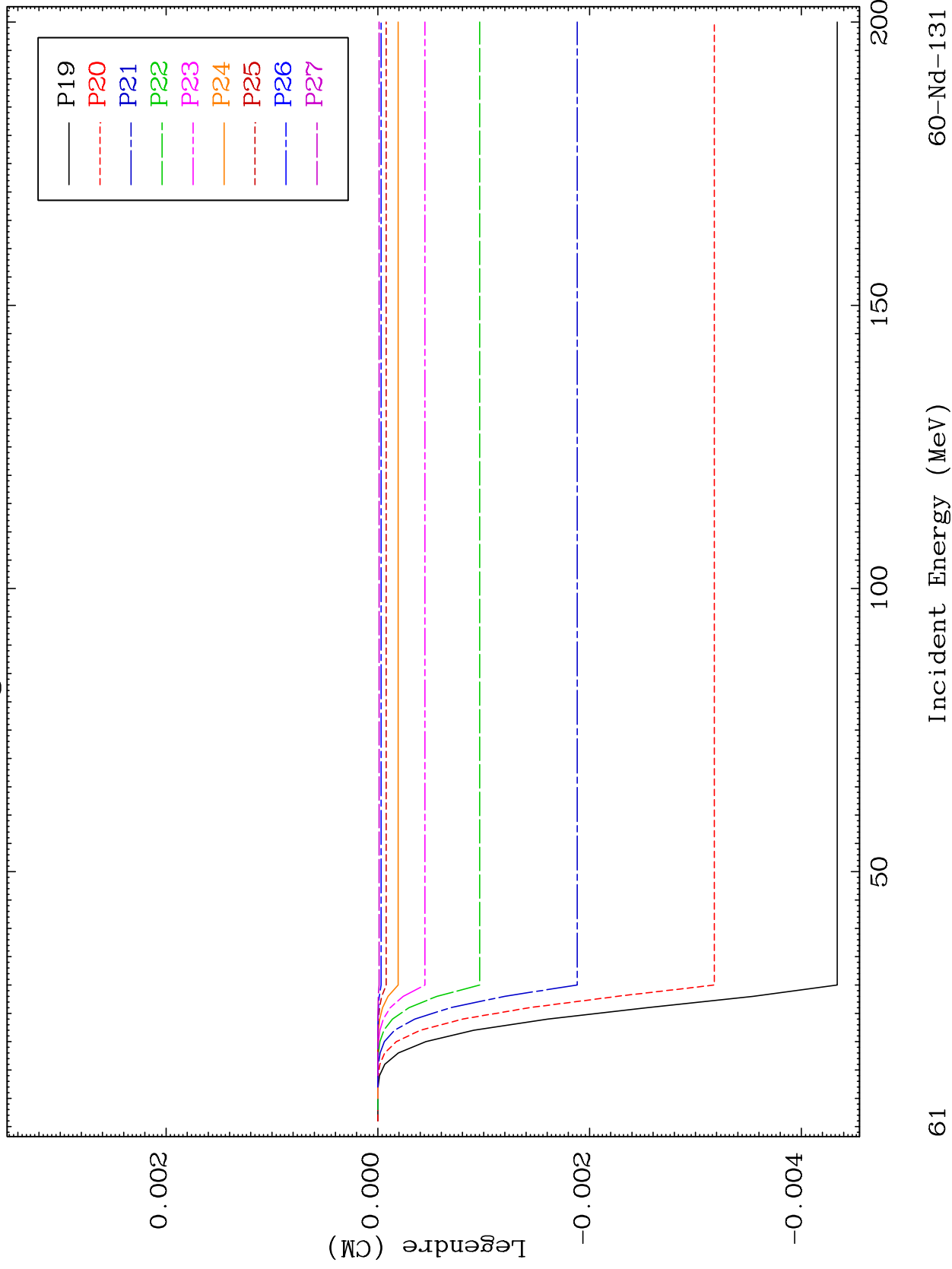
Incident Energy (MeV)

60

MAT 5992

MT= 61 (n,n') Level  
Legendre Coefficients

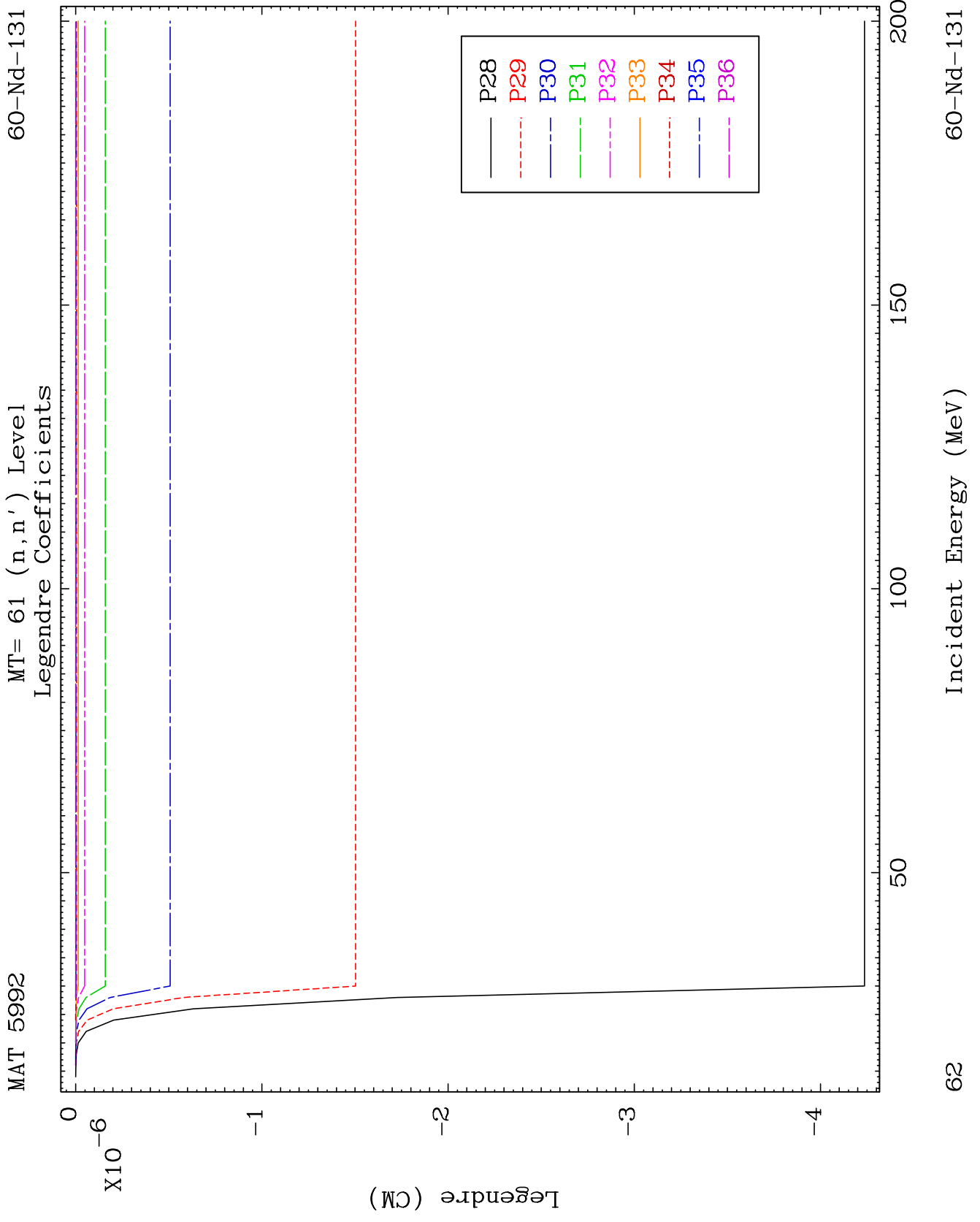
60-Nd-131



61

Incident Energy (MeV)

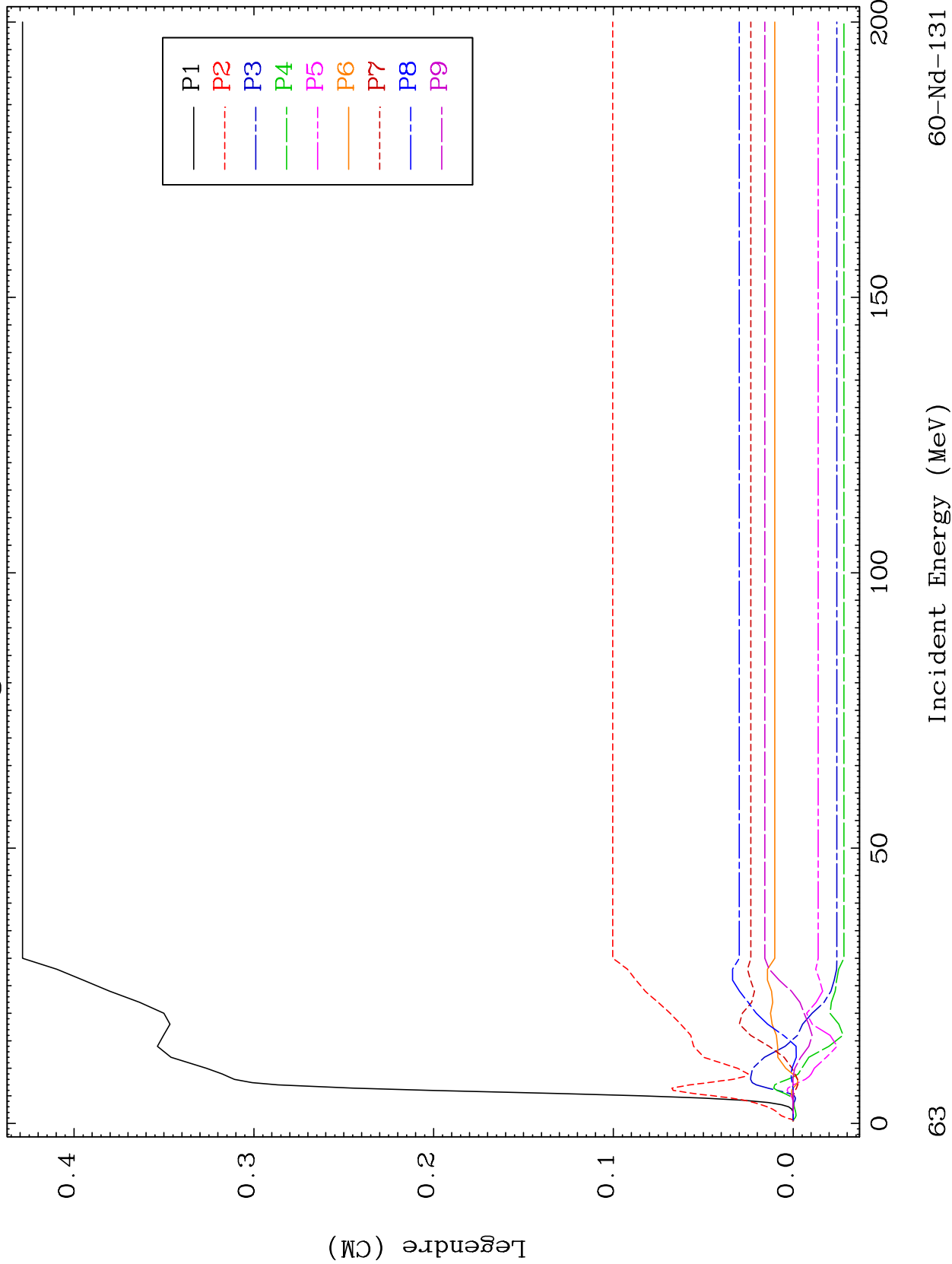
60-Nd-131



MAT 5992

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

60-Nd-131

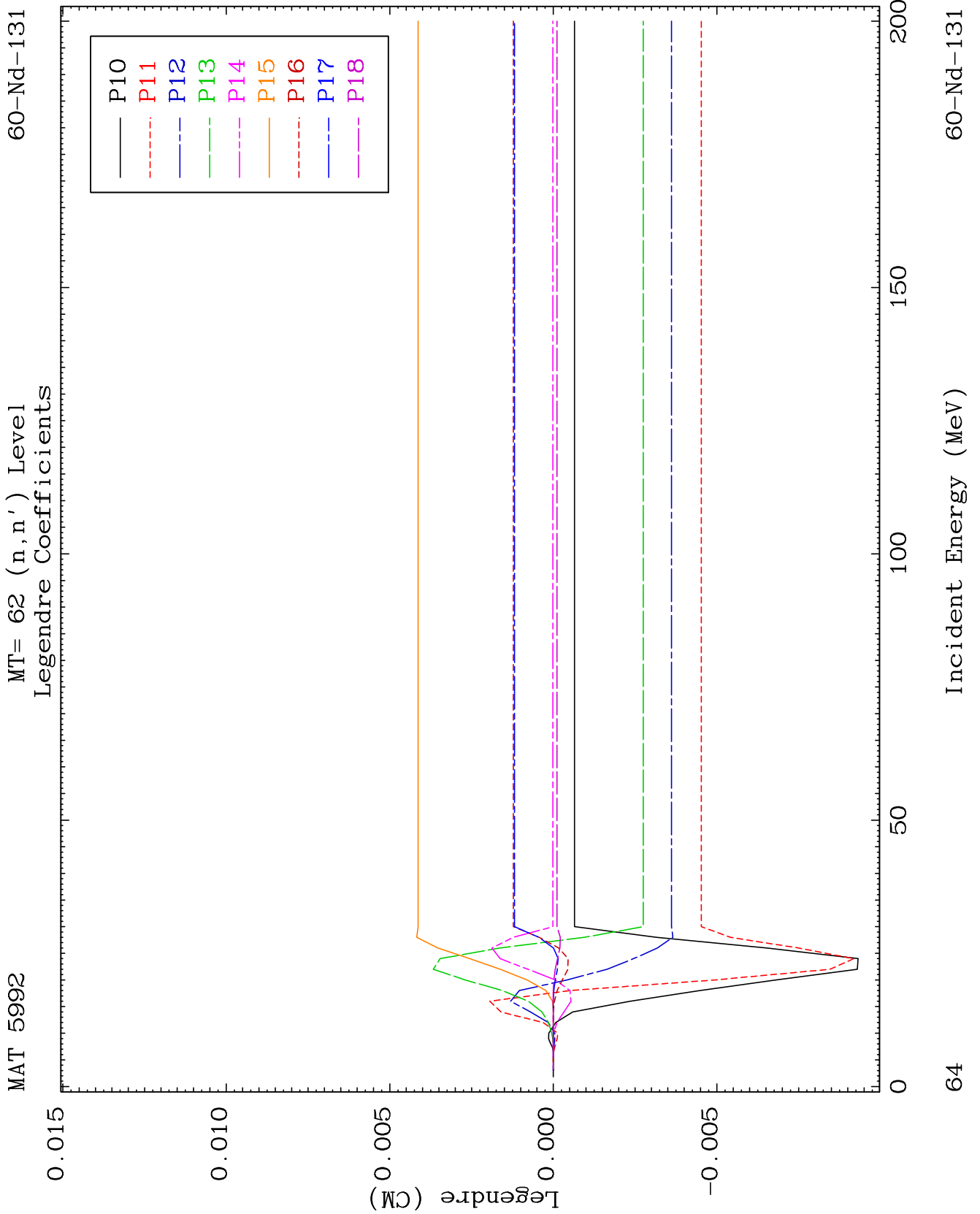


60-Nd-131

Incident Energy (MeV)

63



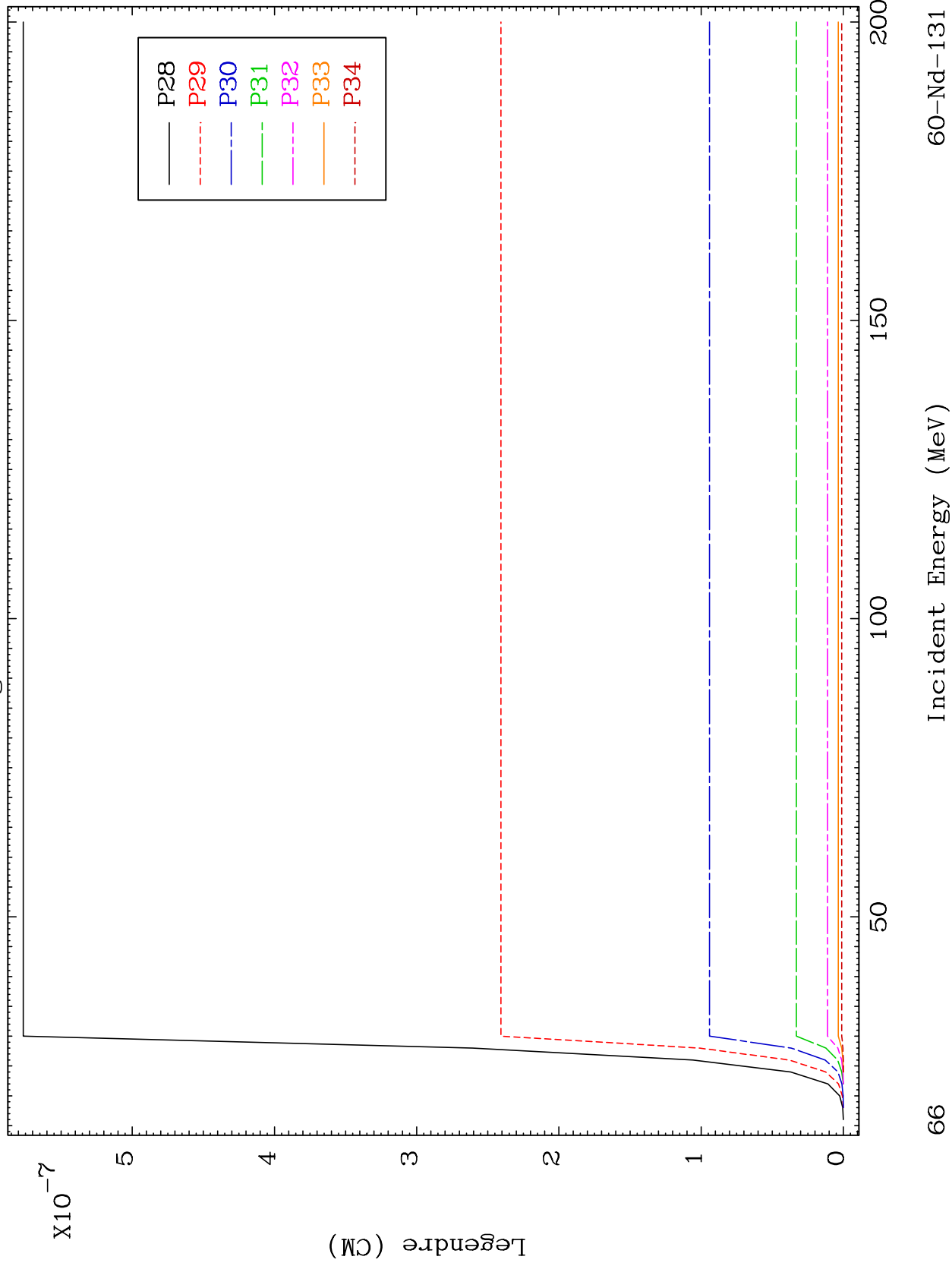


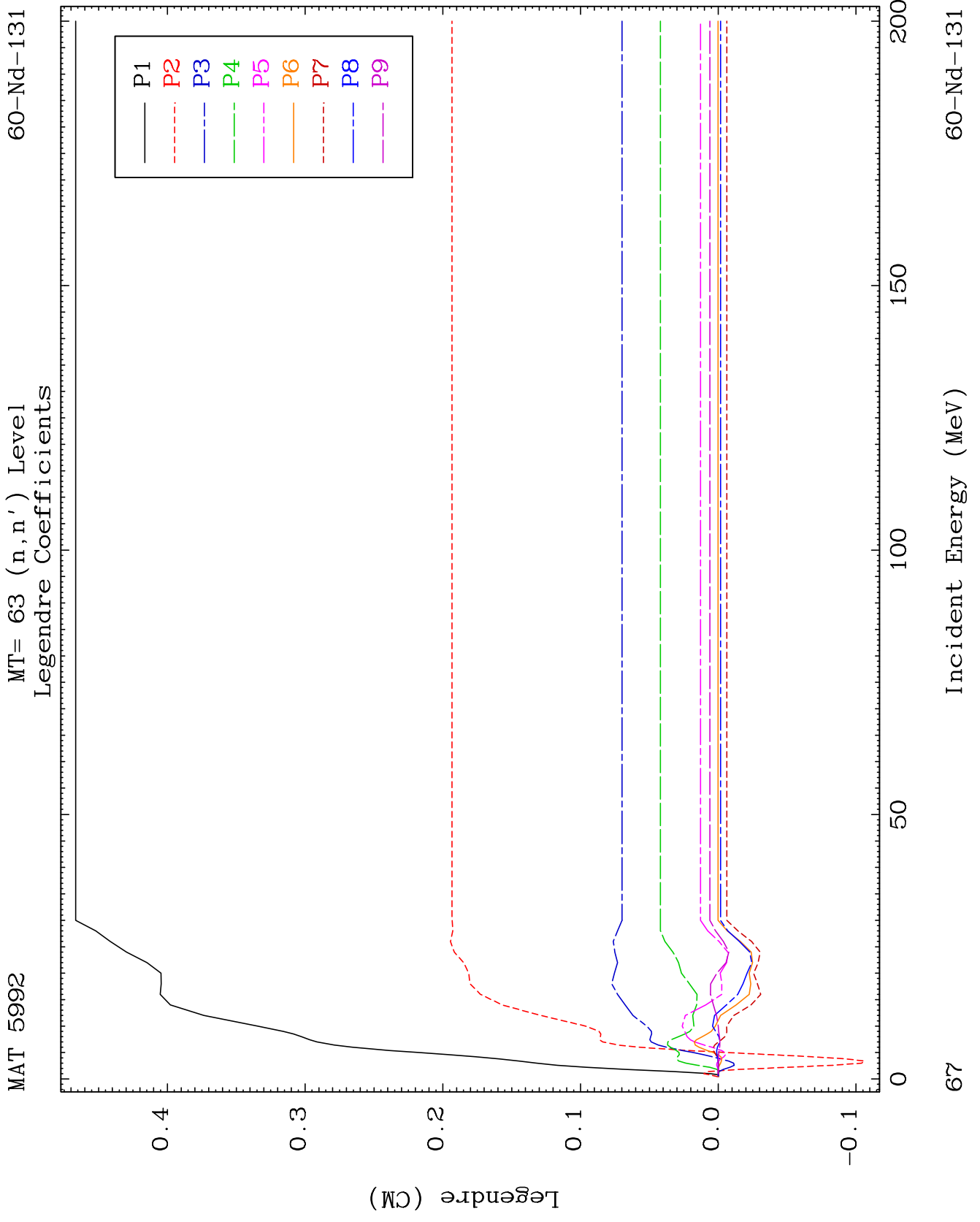


MAT 5992

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

60-Nd-131

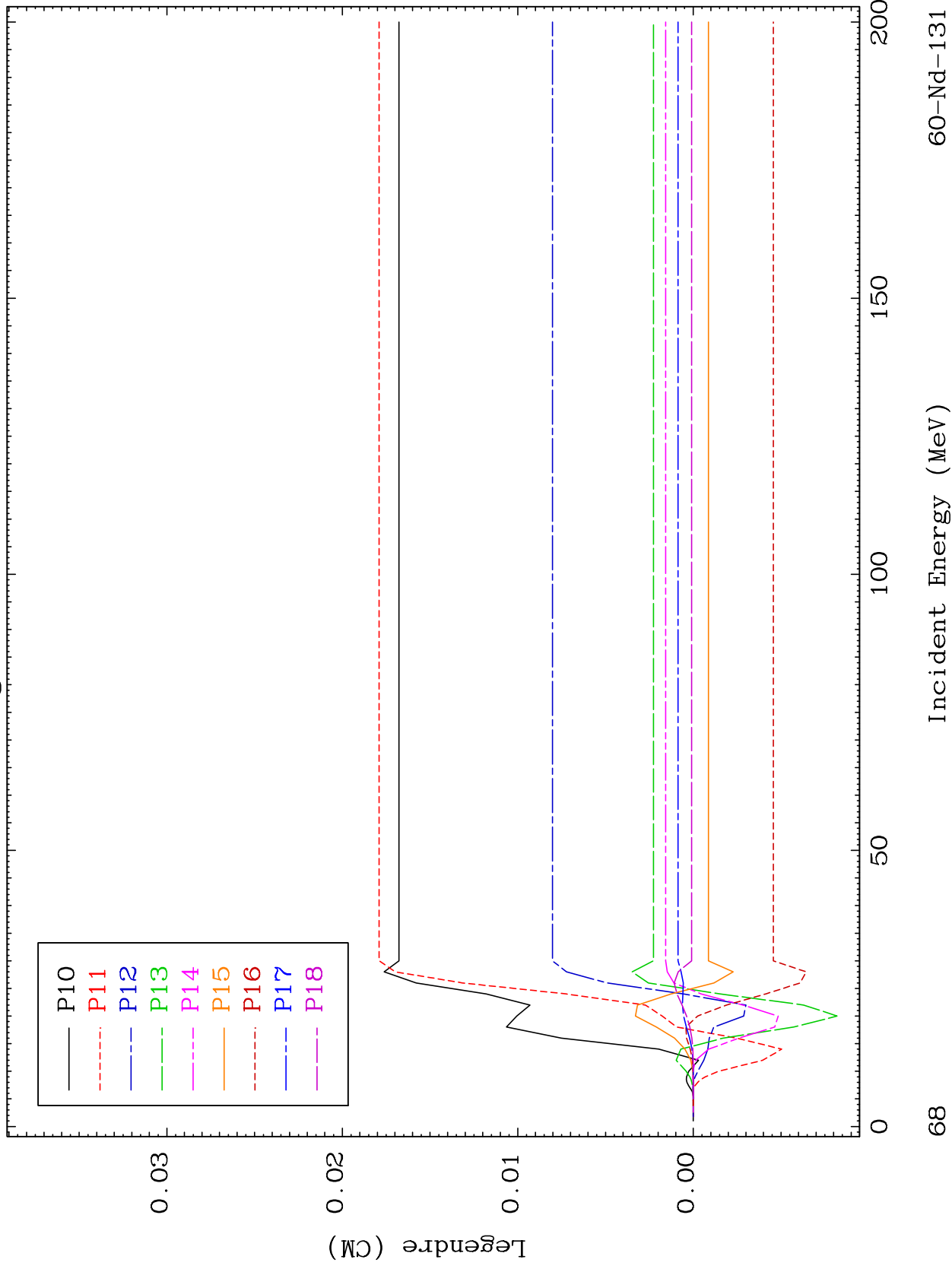




MAT 5992

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

60-Nd-131



60-Nd-131

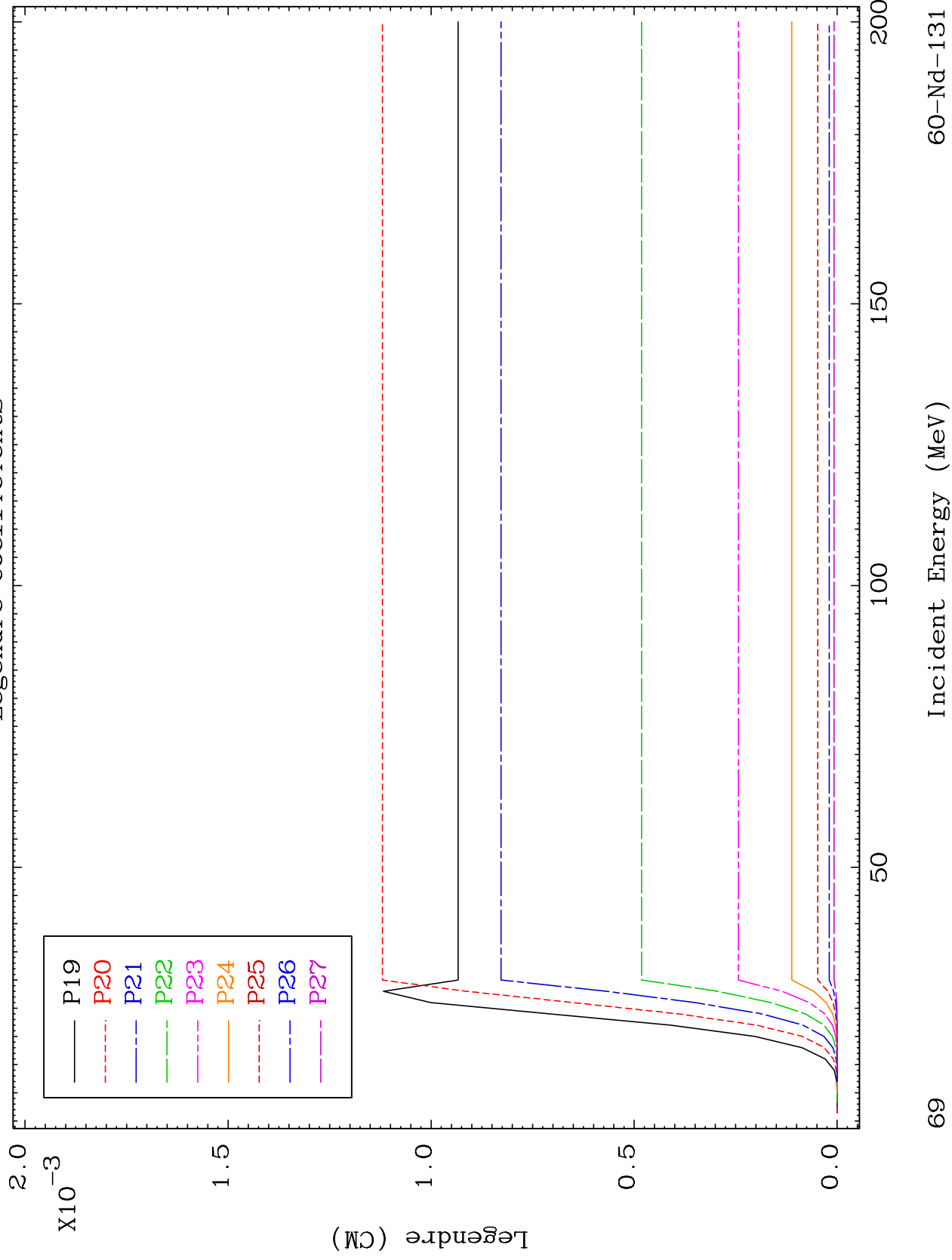
Incident Energy (MeV)

68

MAT 5992

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

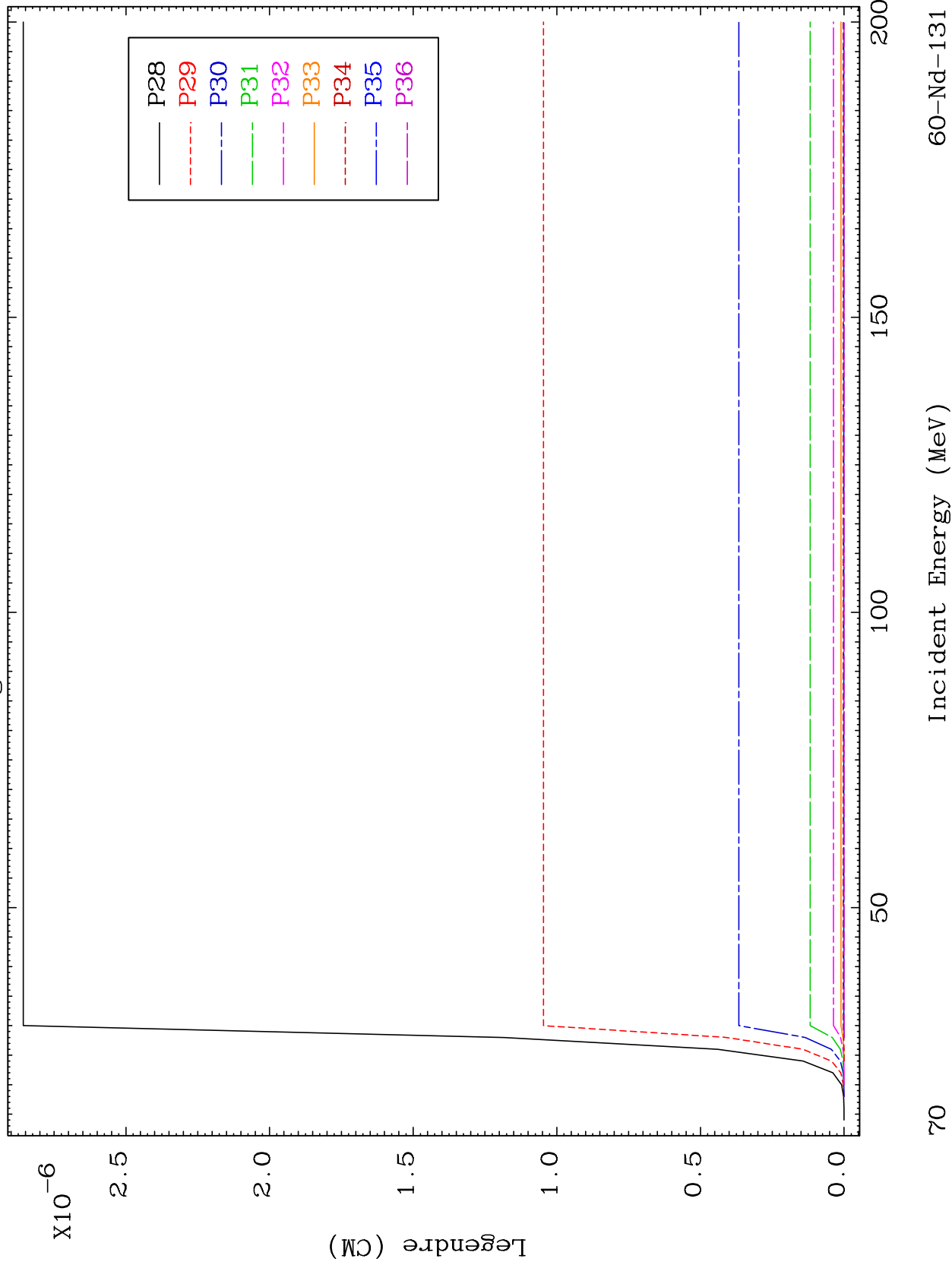
60-Nd-131



MAT 5992

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

60-Nd-131



70

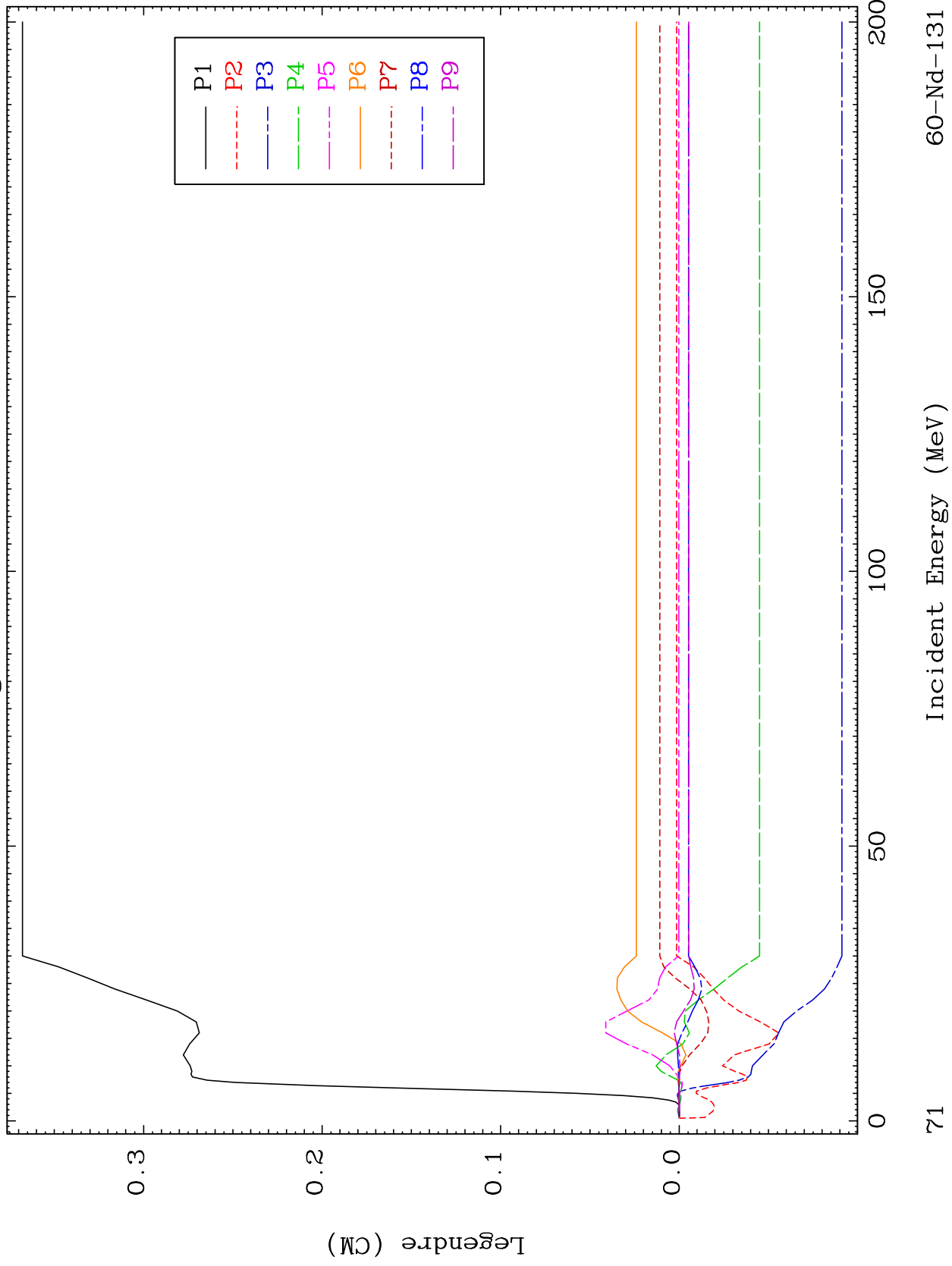
Incident Energy (MeV)

60-Nd-131

MAT 5992

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

60-Nd-131



71

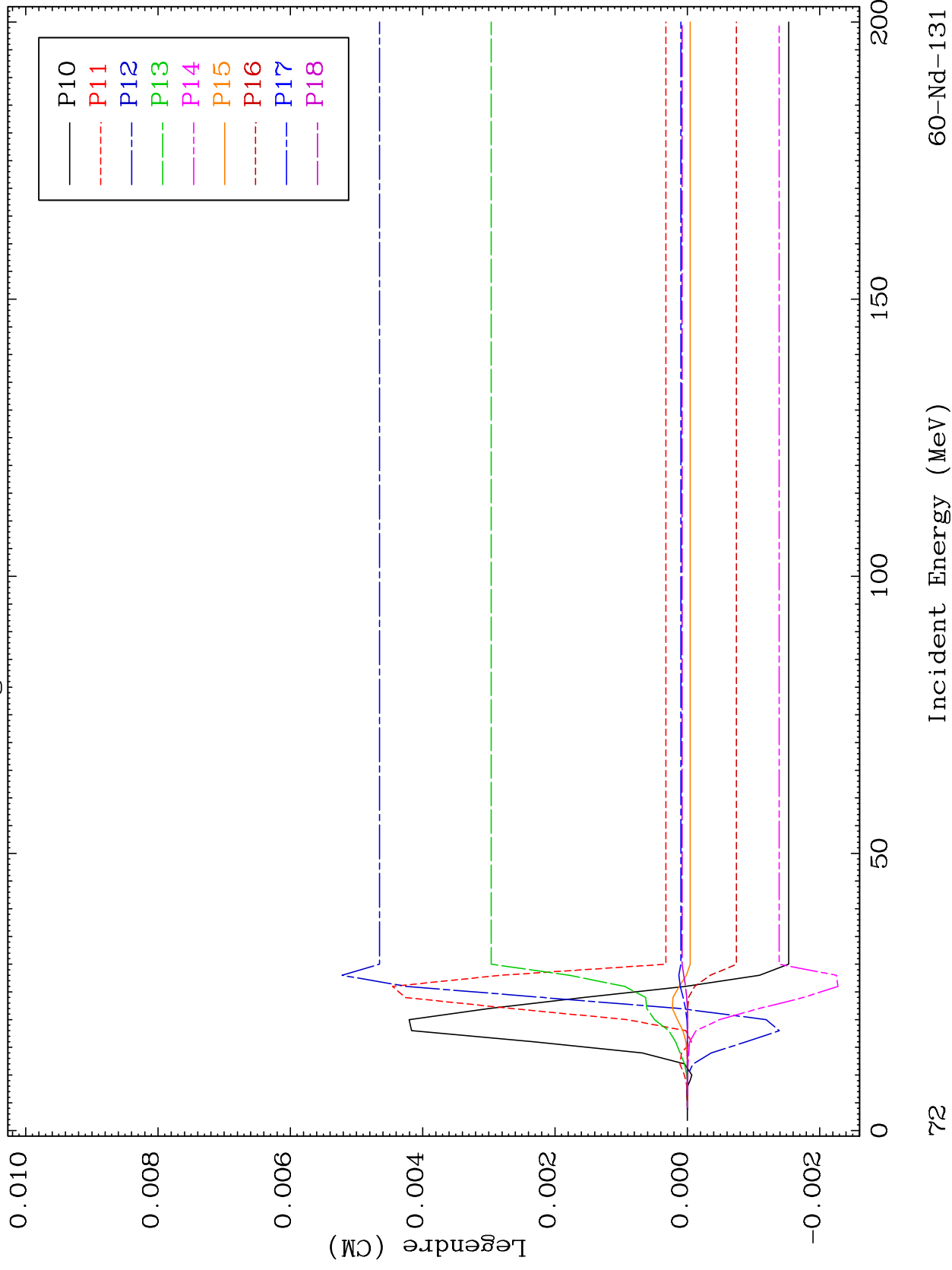
60-Nd-131



MAT 5992

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

60-Nd-131



72

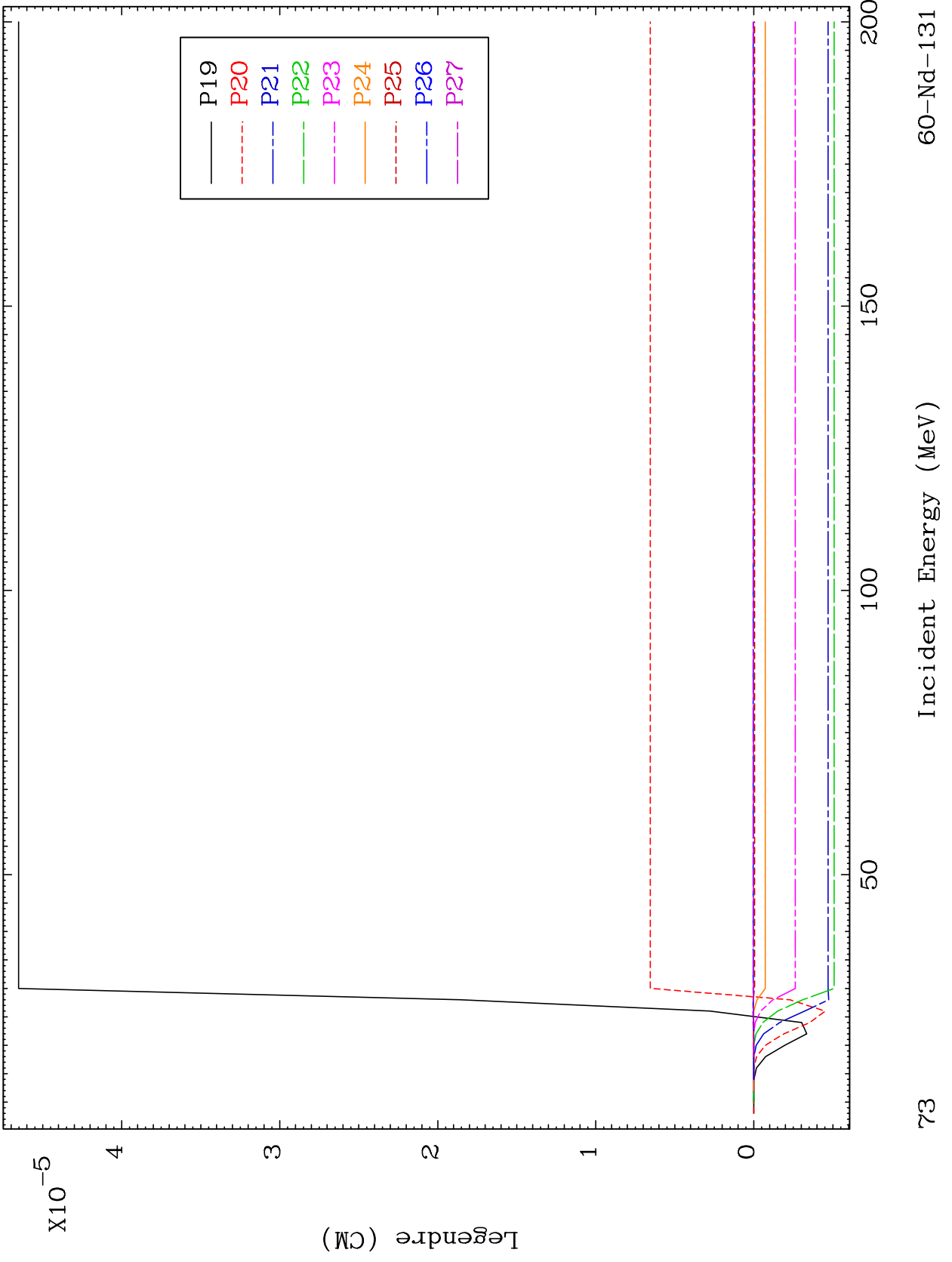
Incident Energy (MeV)

60-Nd-131

MAT 5992

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

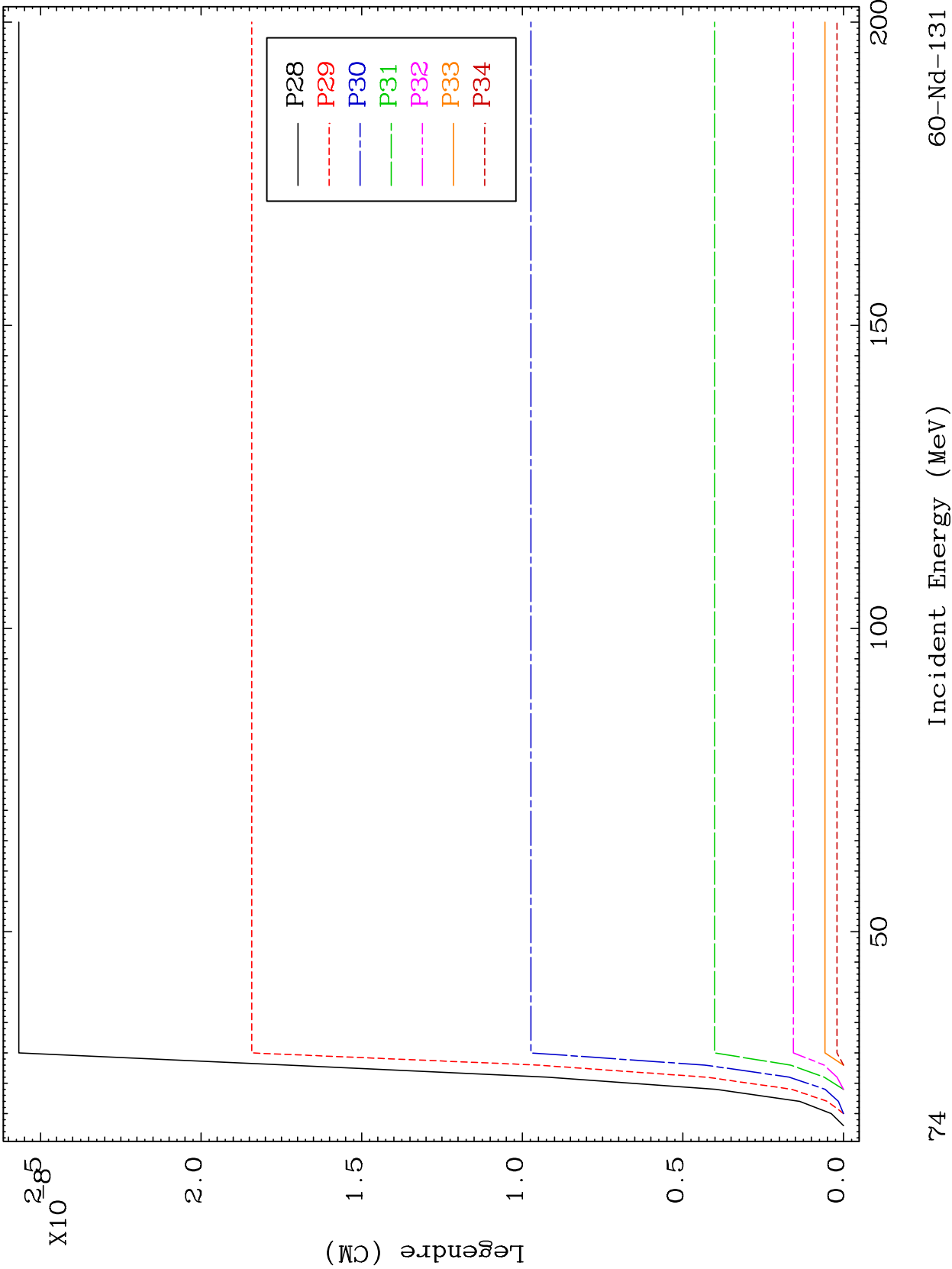
60-Nd-131



MAT 5992

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

60-Nd-131

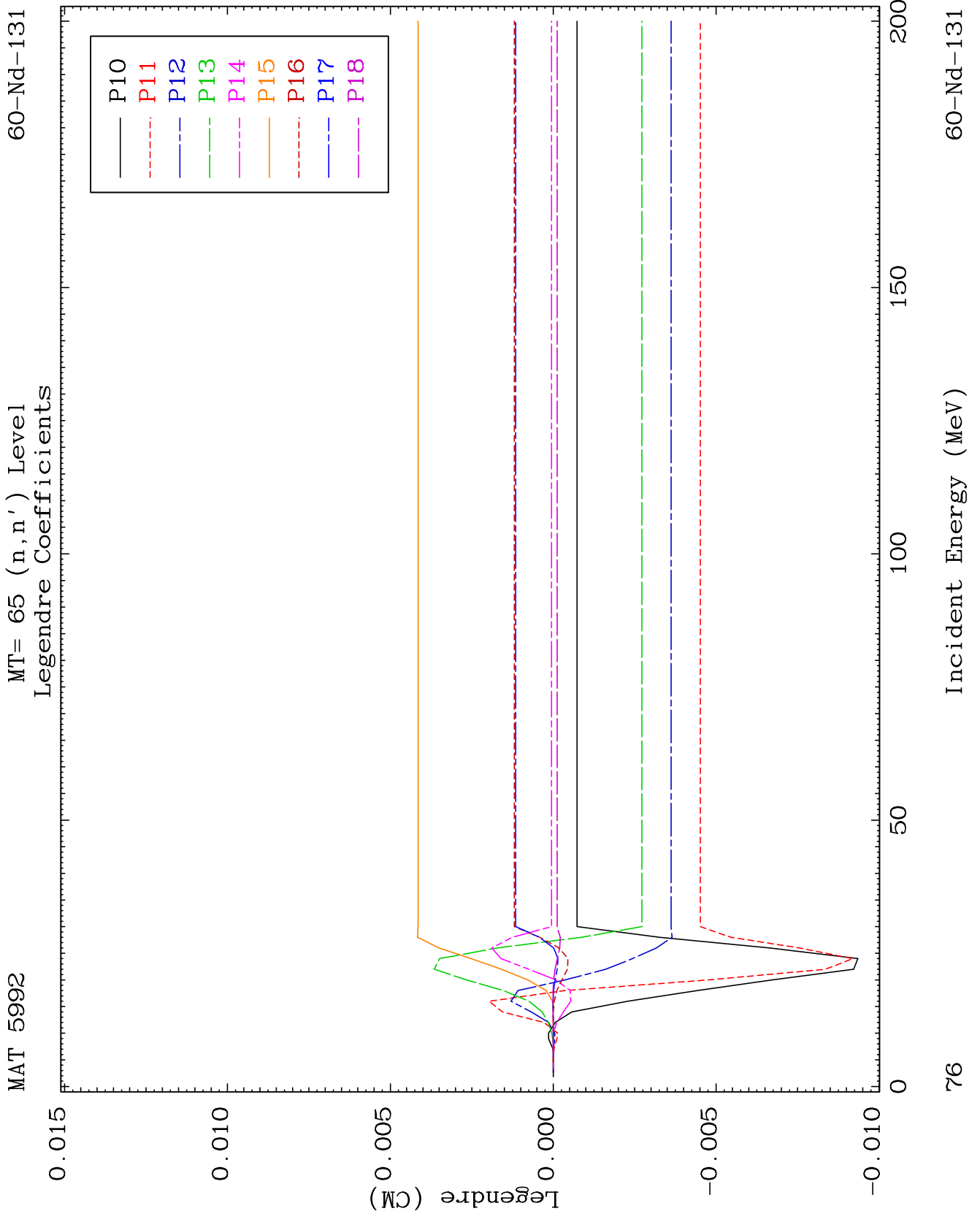


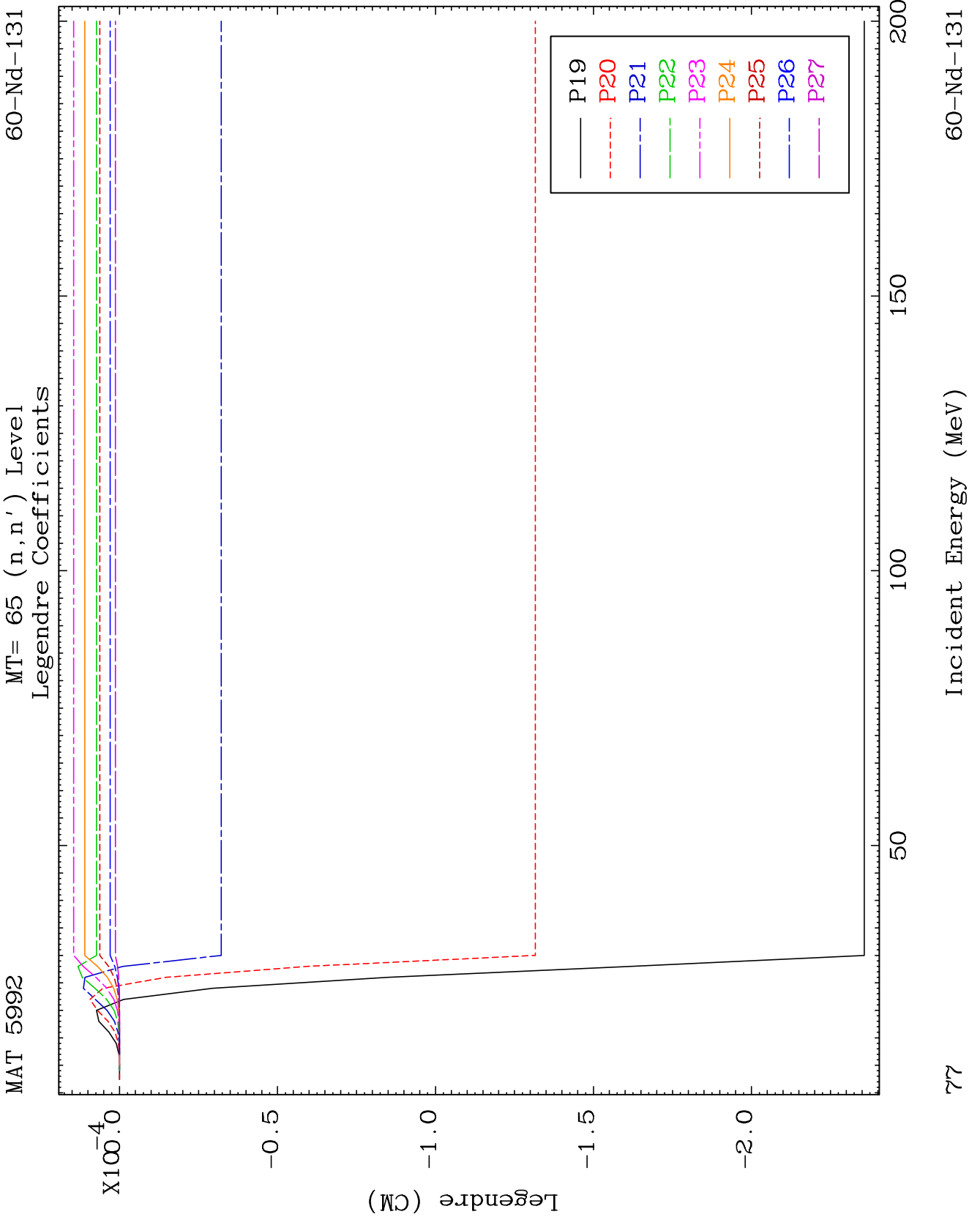
74

Incident Energy (MeV)

60-Nd-131



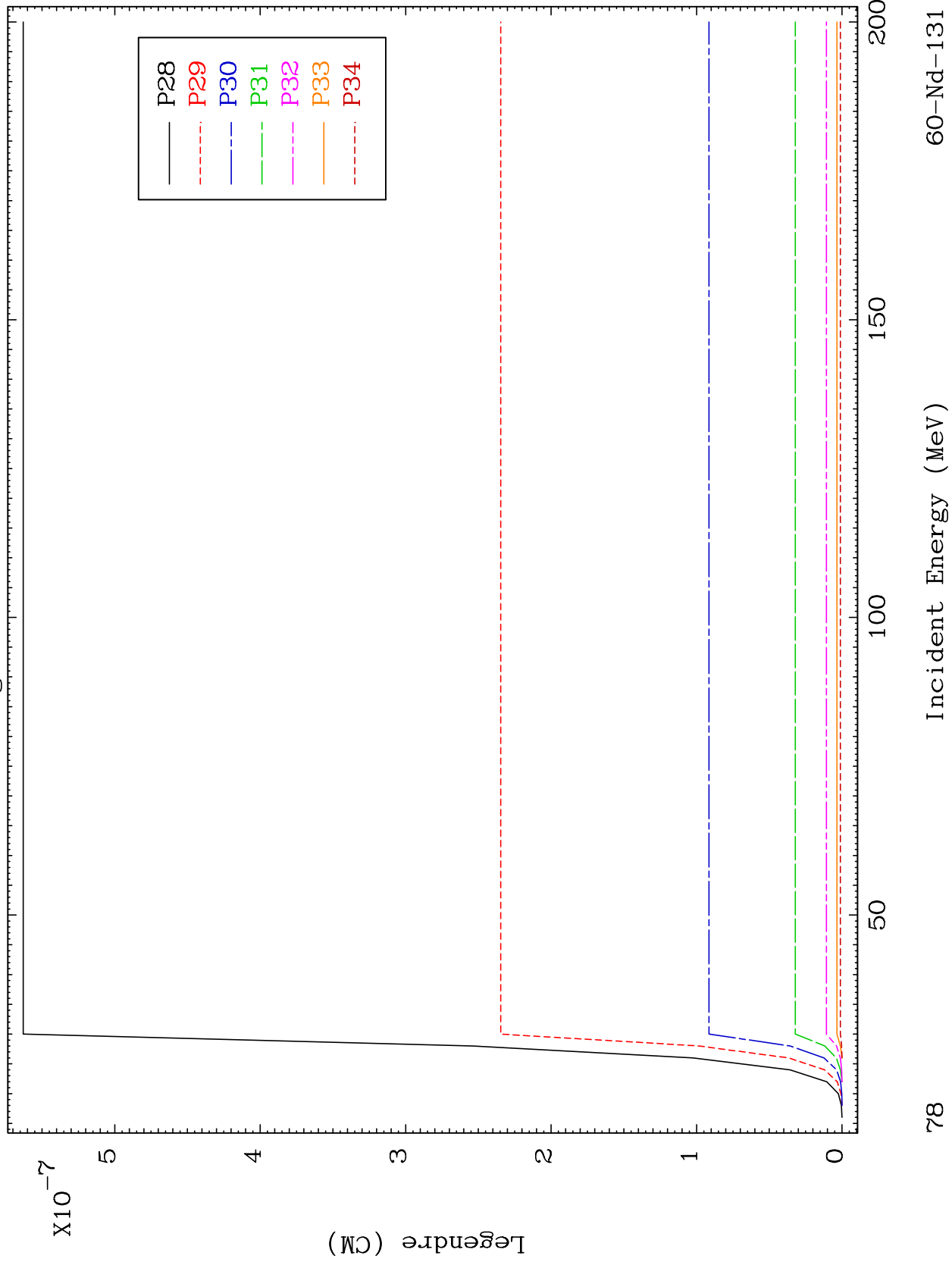




MAT 5992

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

60-Nd-131



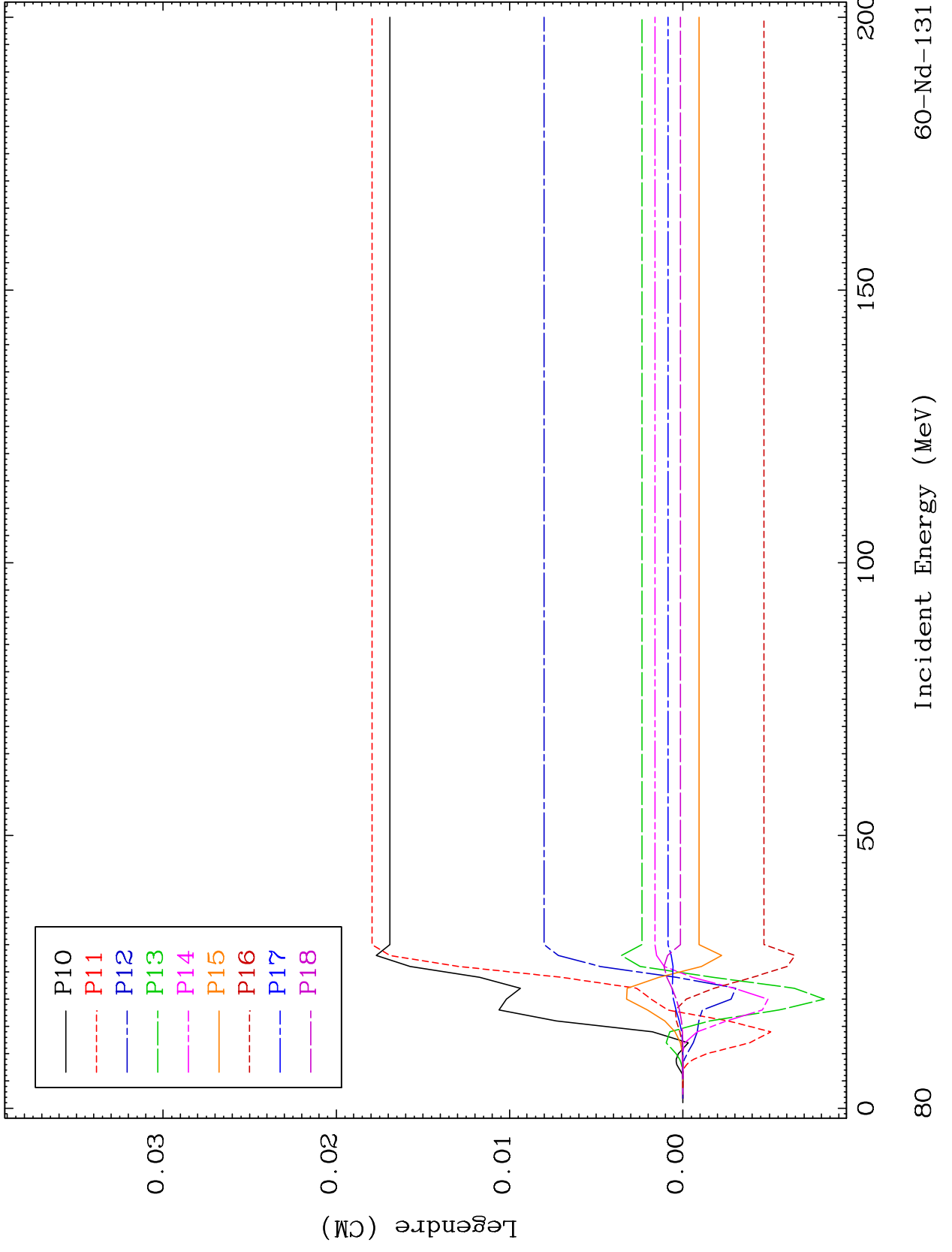




MAT 5992

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

60-Nd-131



60-Nd-131

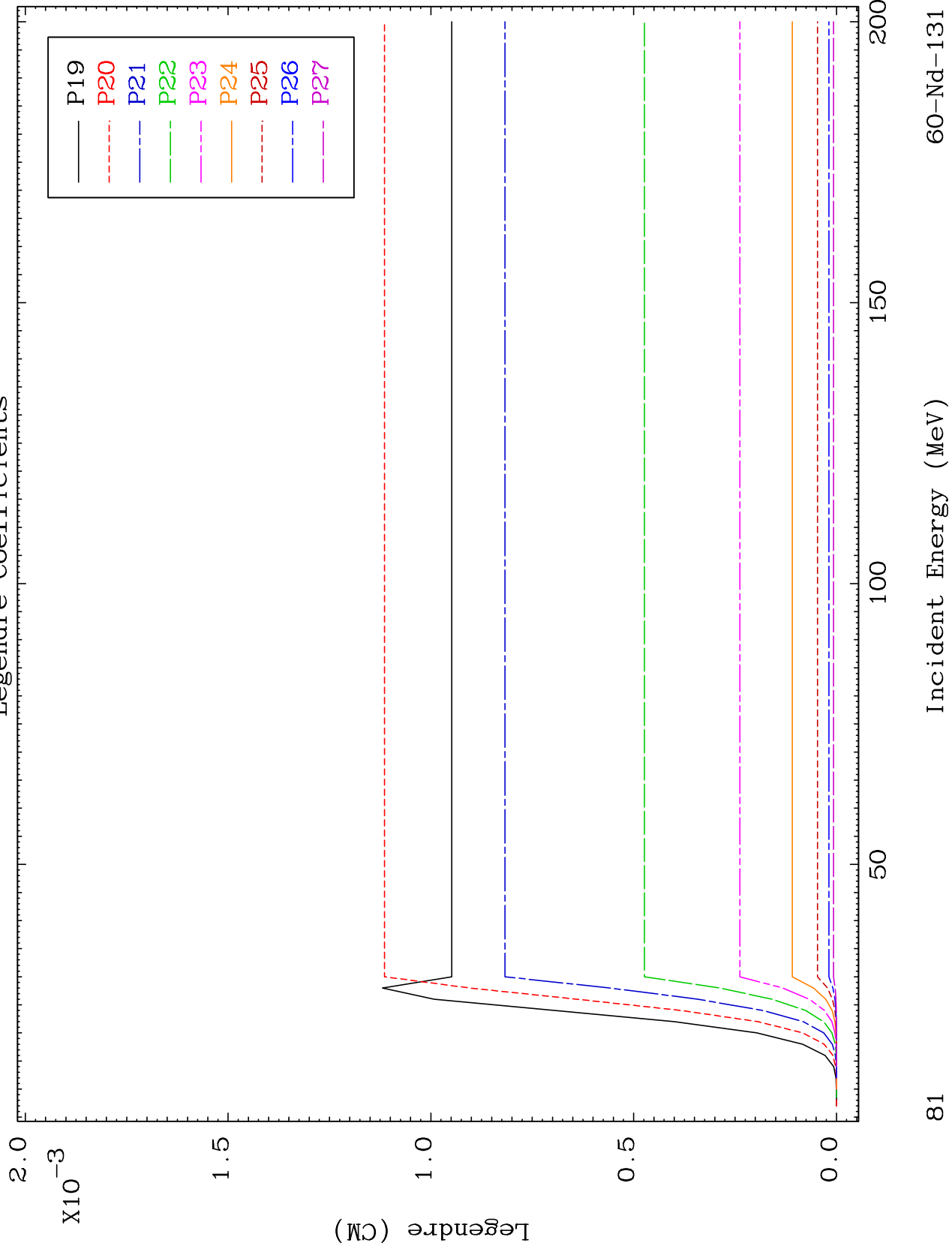
Incident Energy (MeV)

80

MAT 5992

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

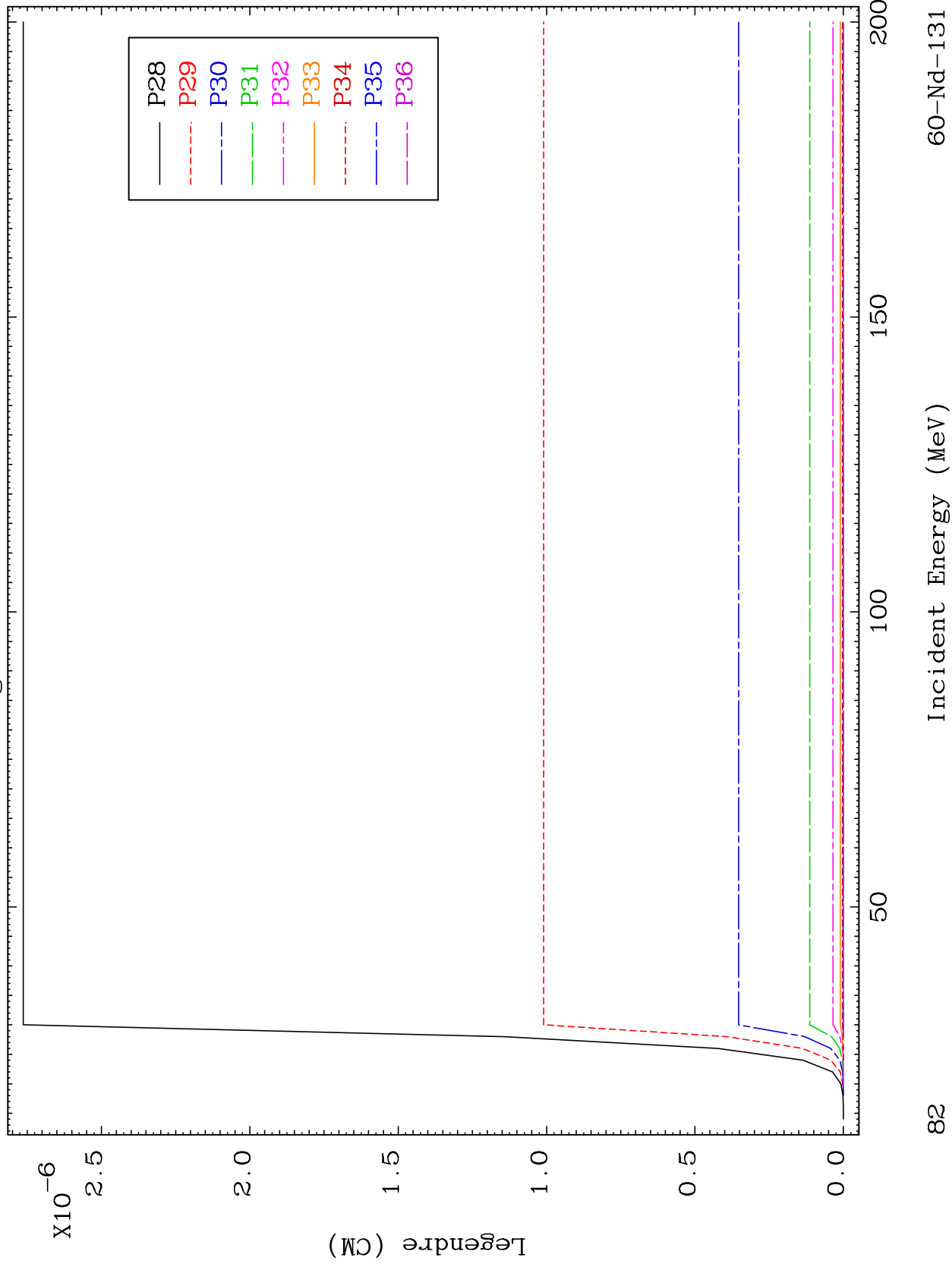
60-Nd-131



MAT 5992

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

60-Nd-131

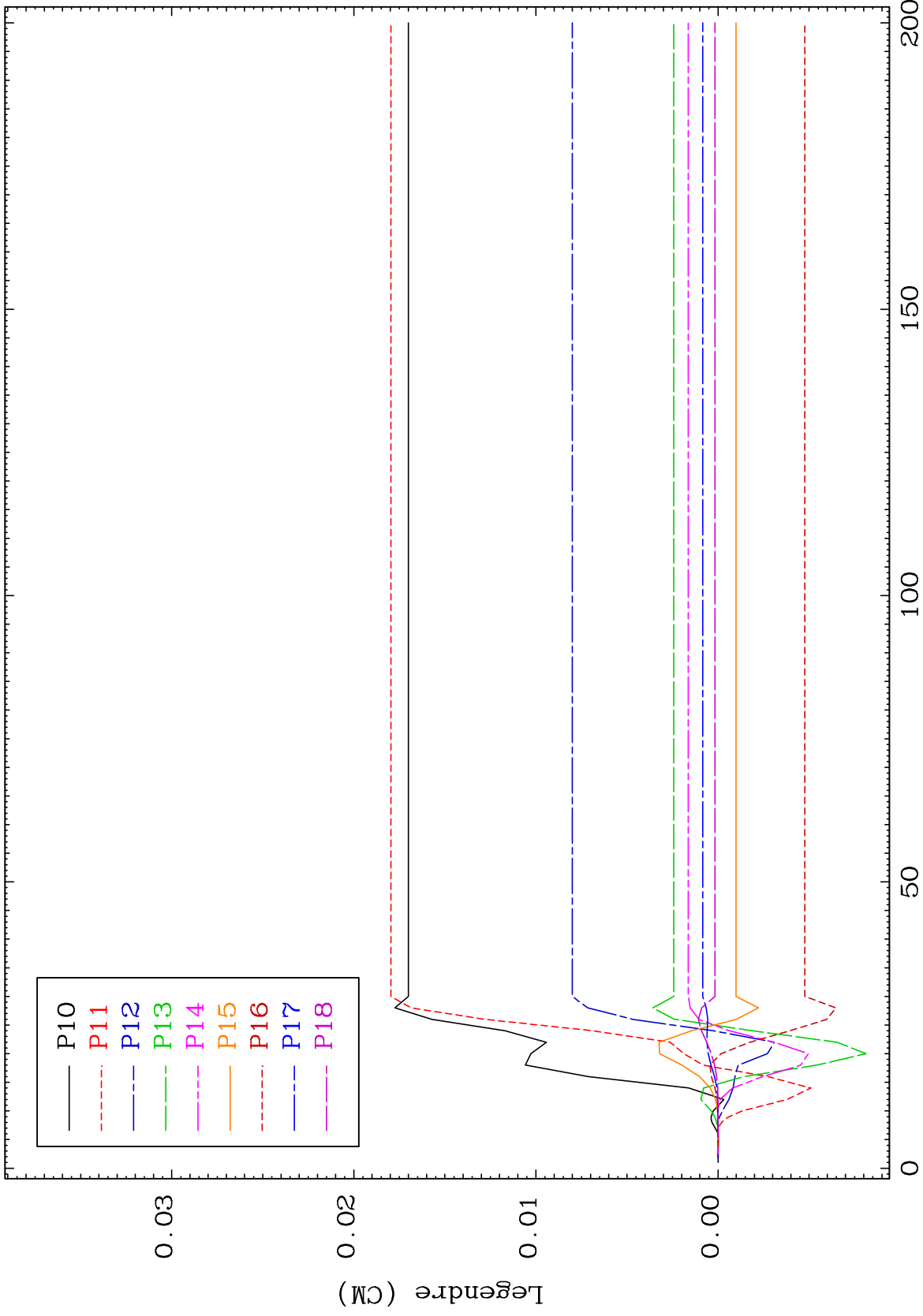




MAT 5992

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

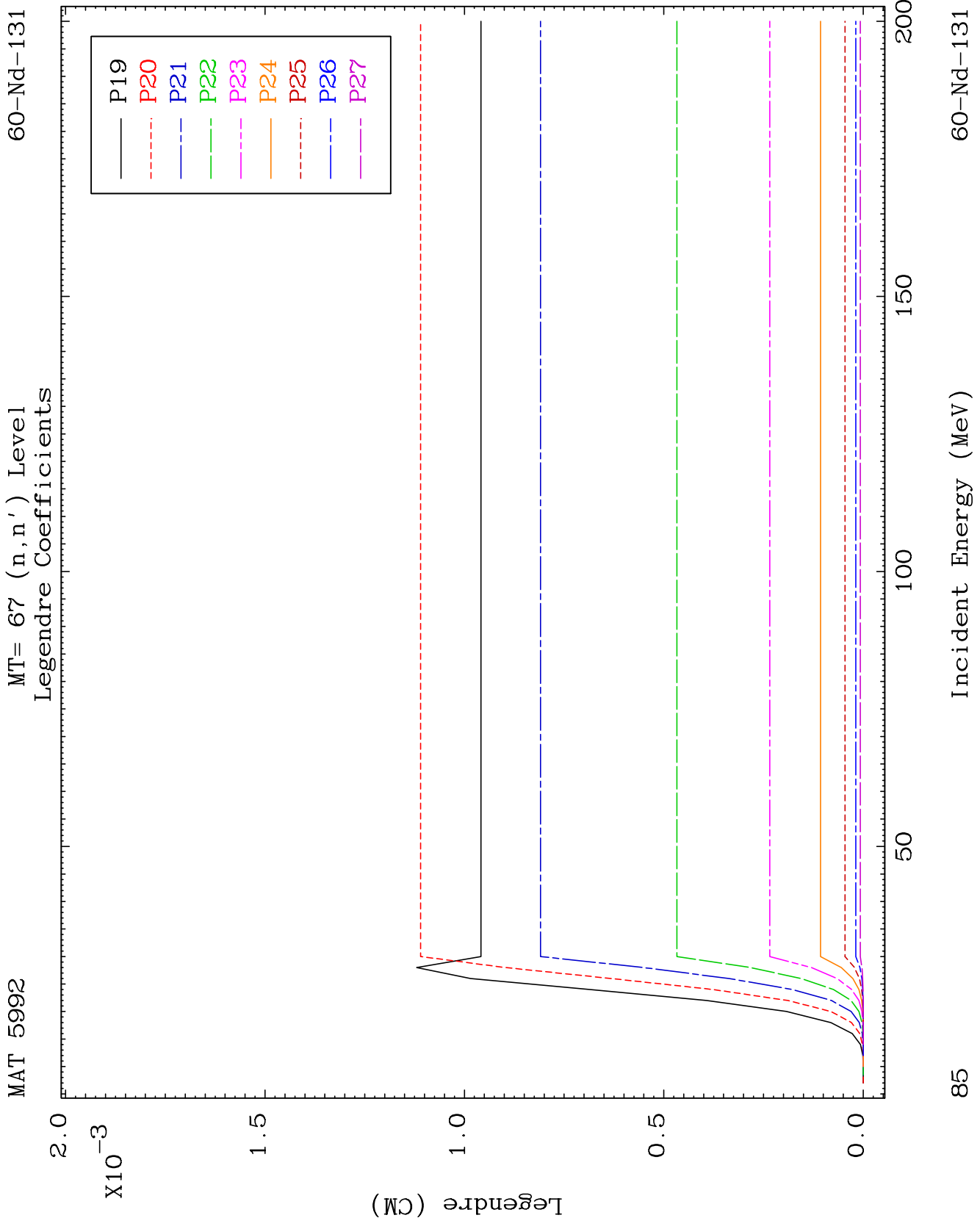
60-Nd-131



84

Incident Energy (MeV)

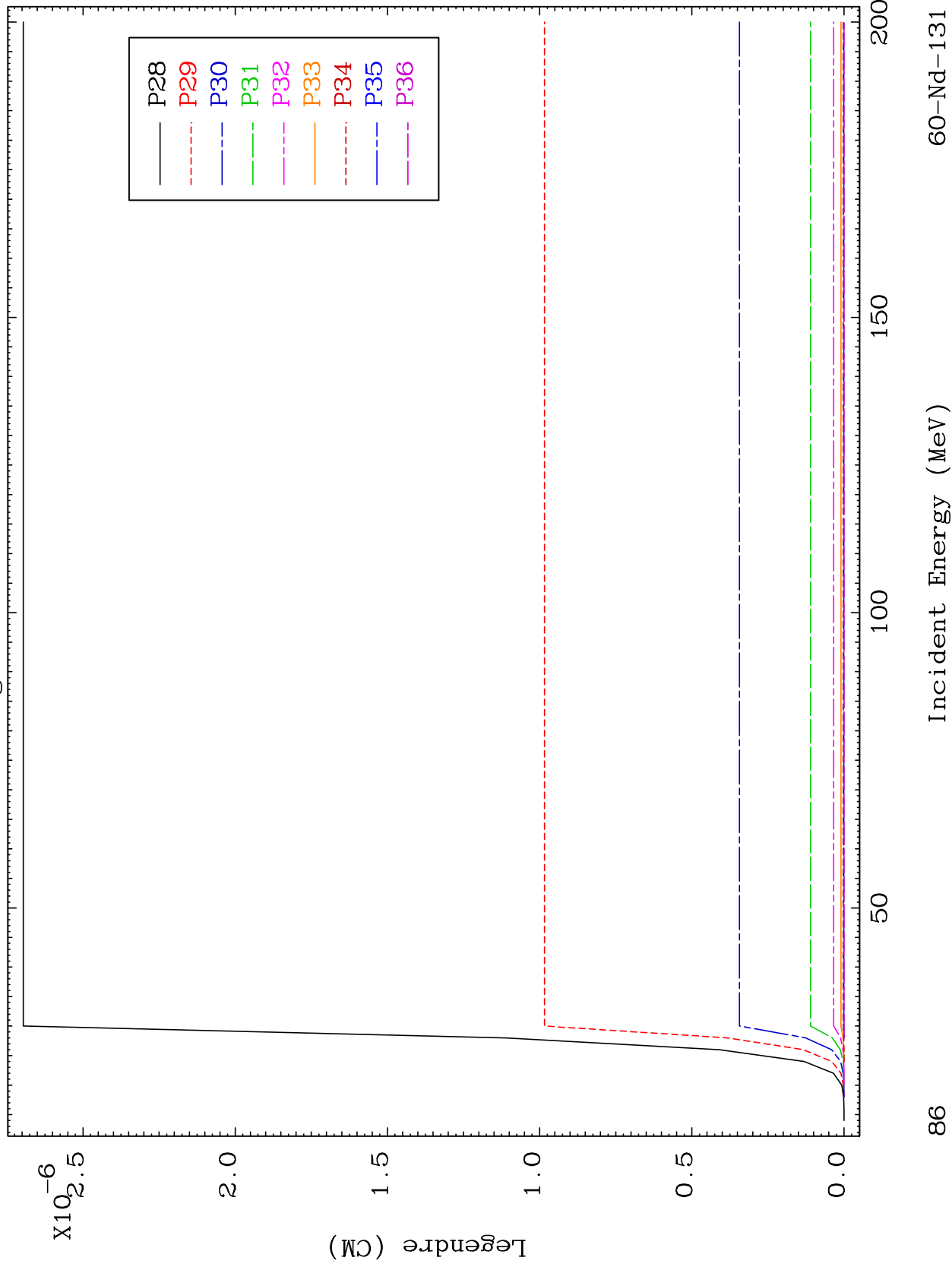
60-Nd-131



MAT 5992

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

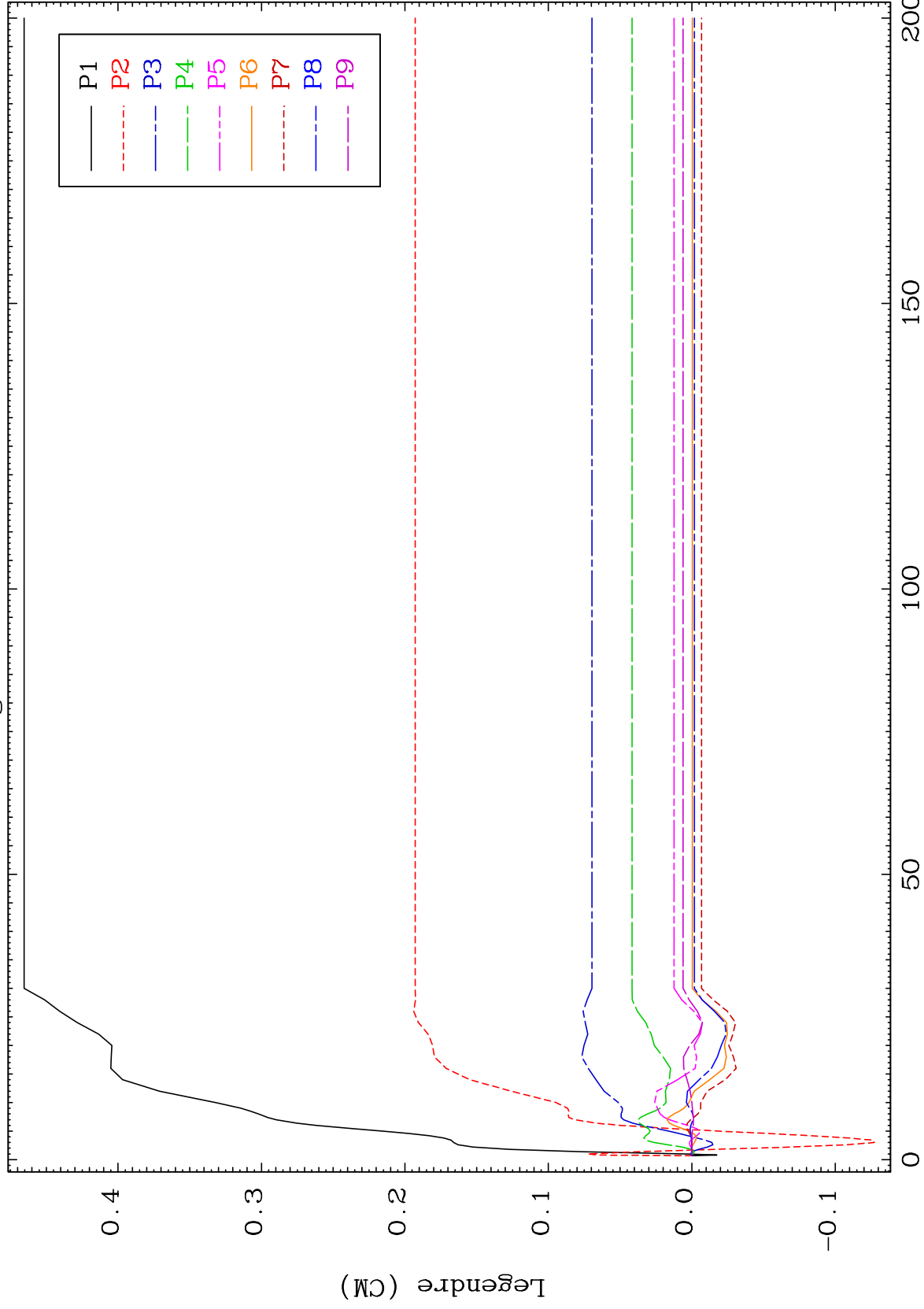
60-Nd-131



MAT 5992

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

60-Nd-131



60-Nd-131

Incident Energy (MeV)

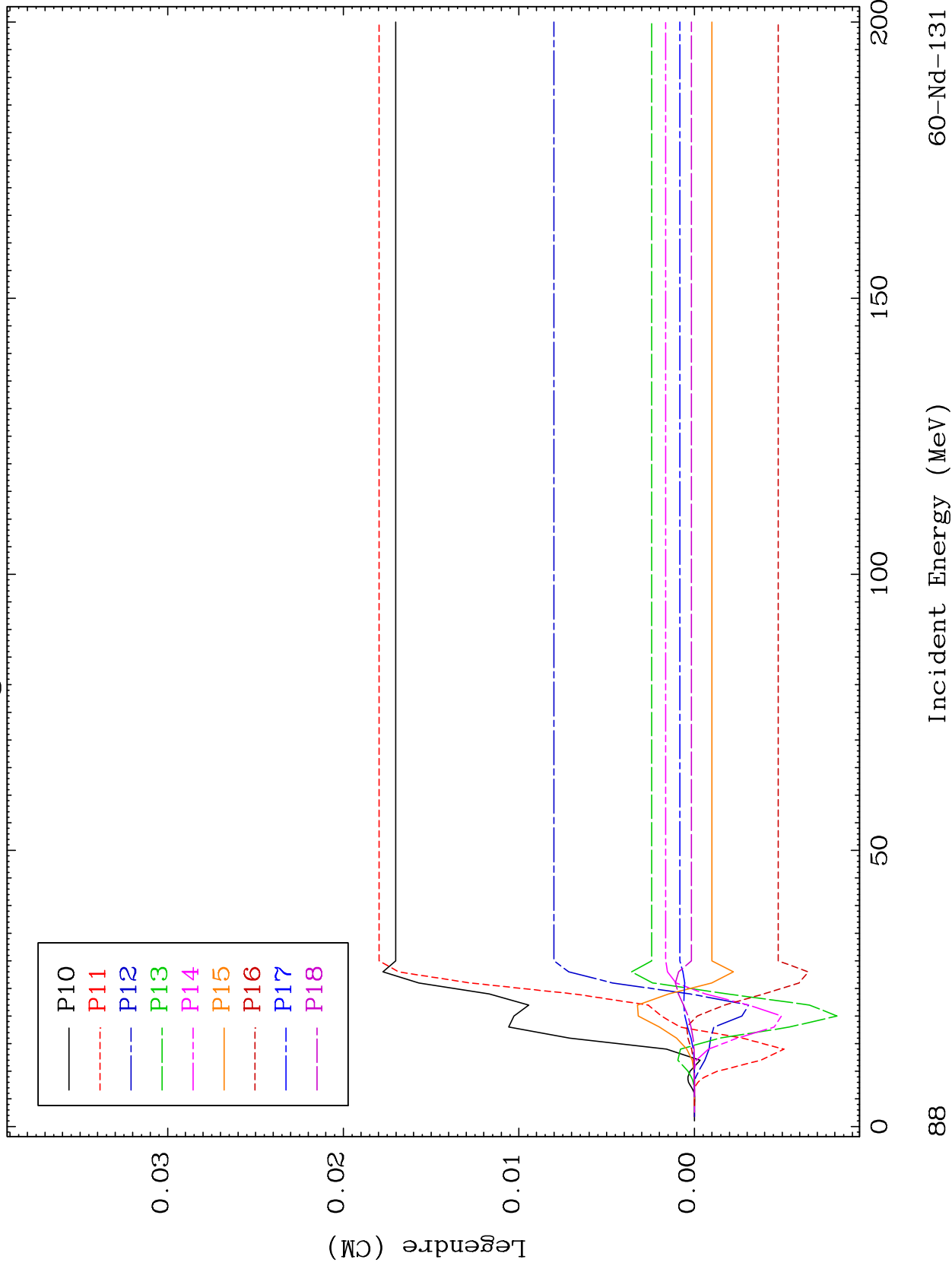
87



MAT 5992

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

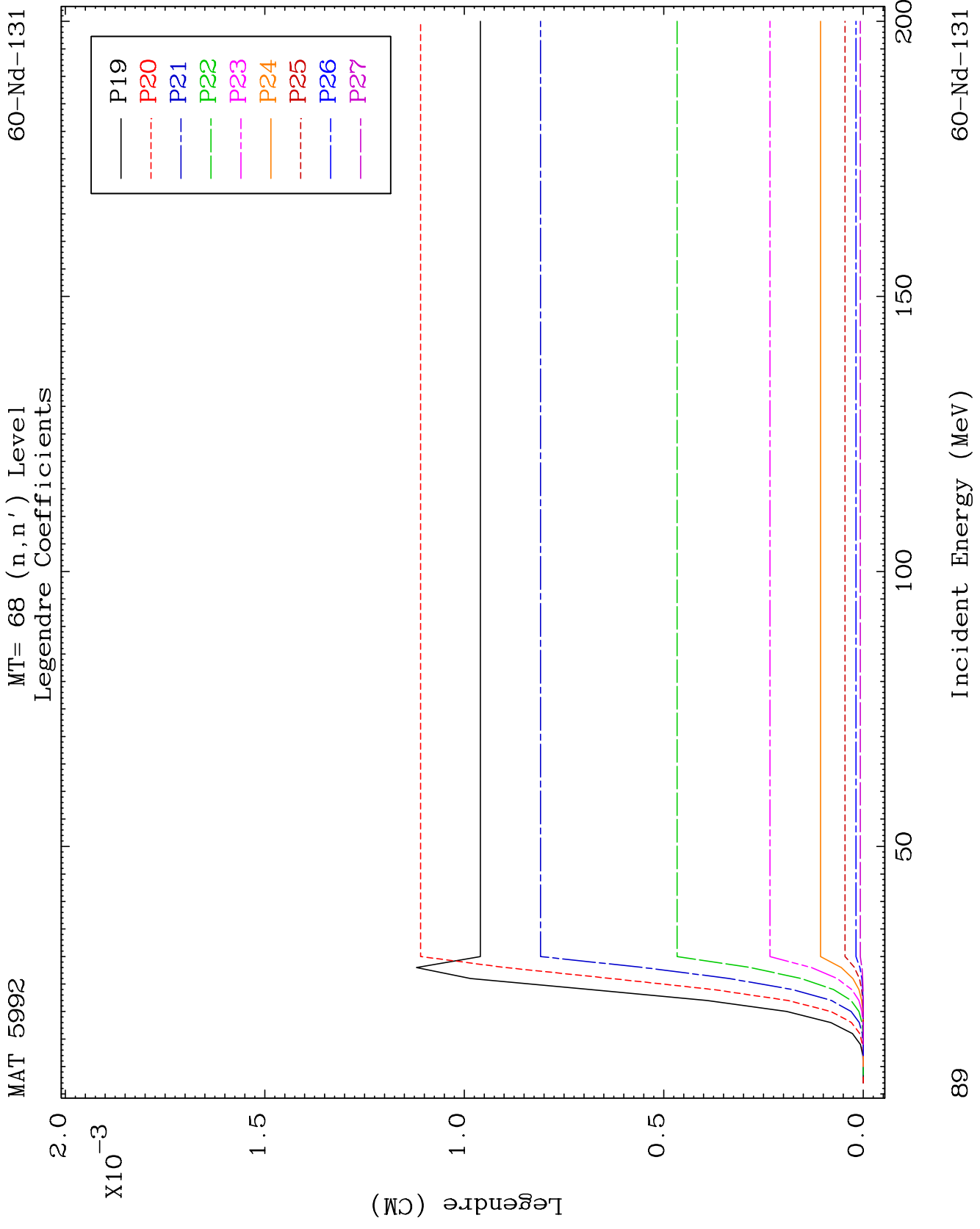
60-Nd-131



88

Incident Energy (MeV)

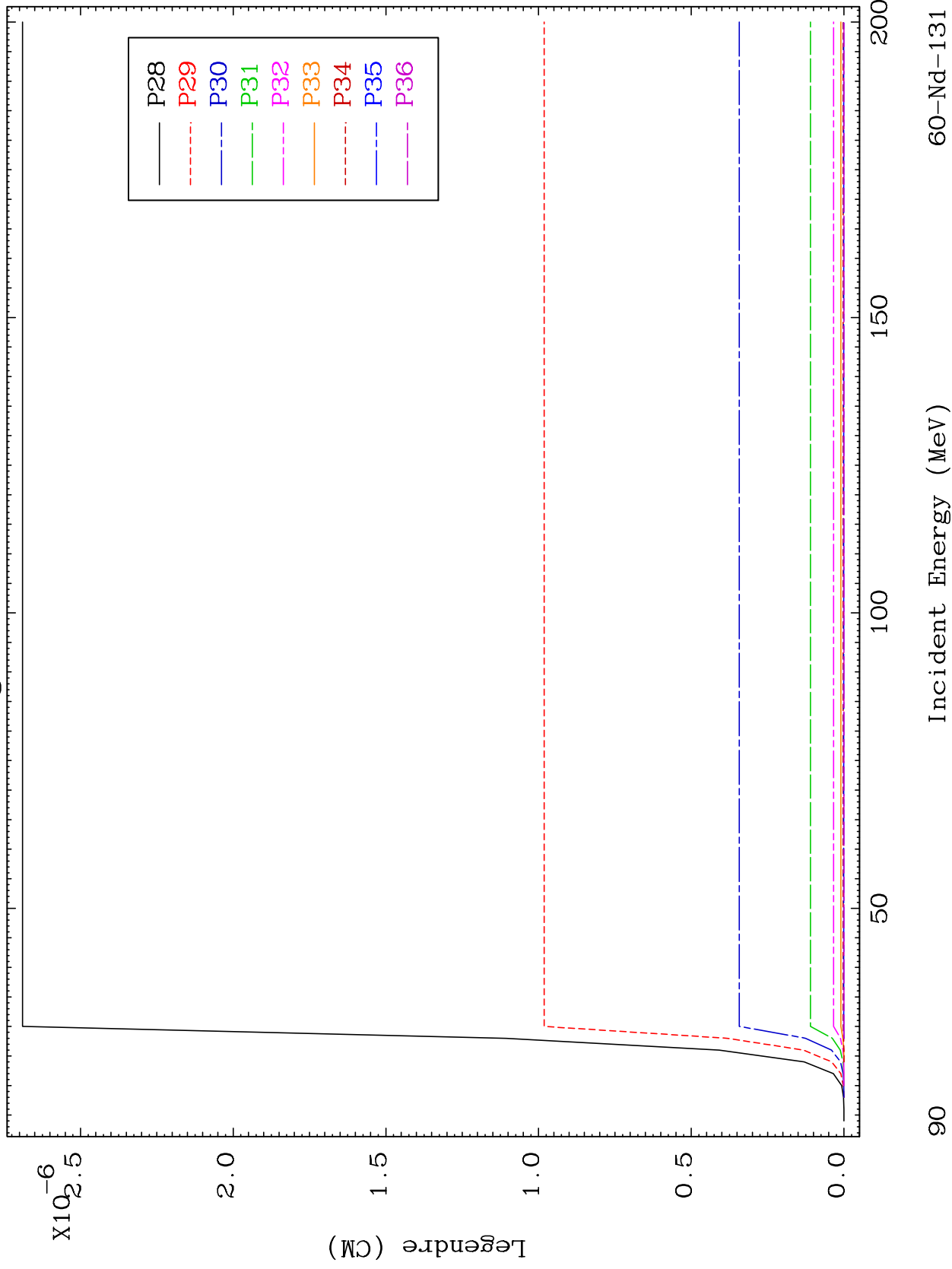
60-Nd-131



MAT 5992

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

60-Nd-131



60-Nd-131

Incident Energy (MeV)

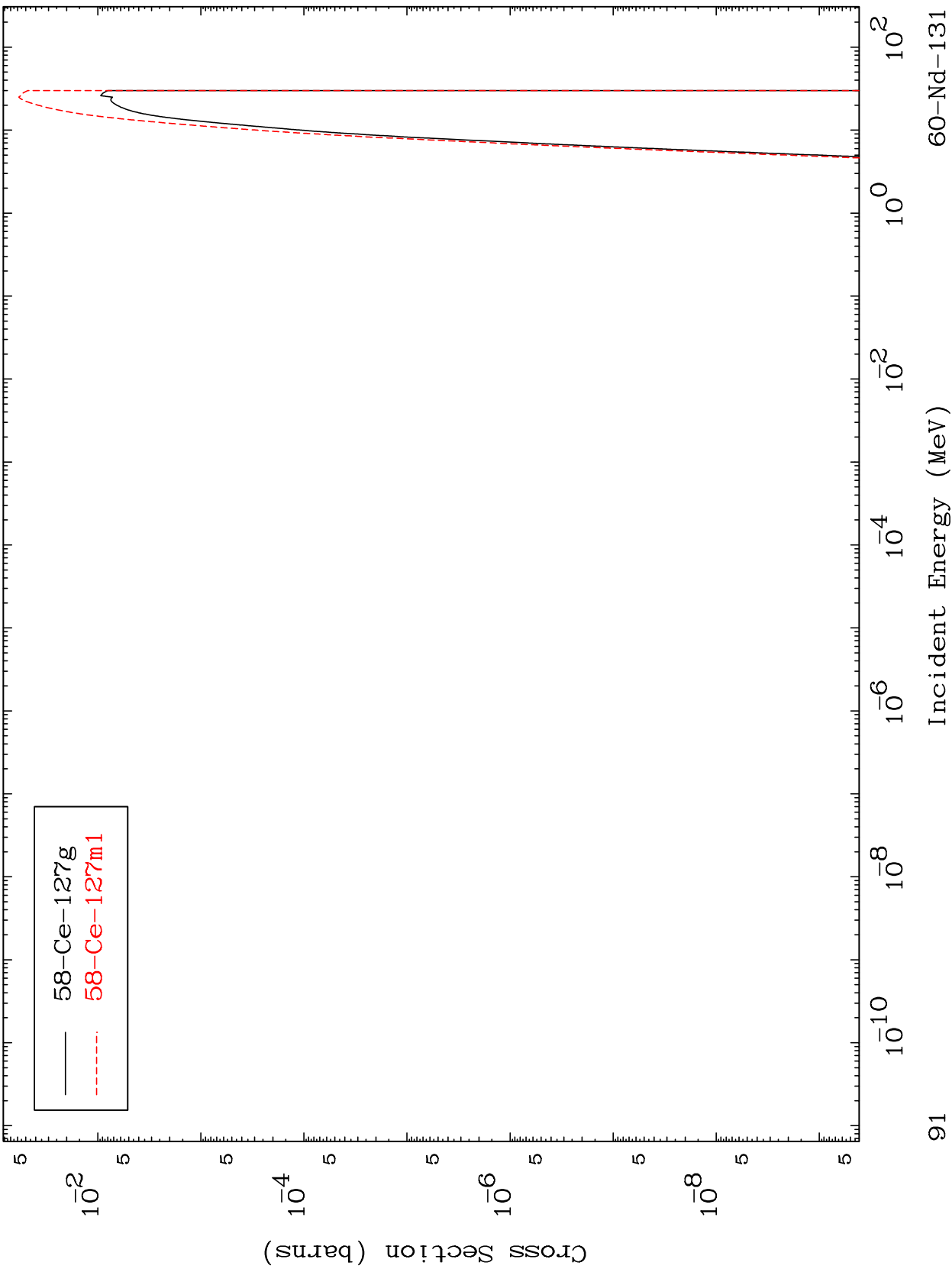
90

MAT 5992

$(n, n')$   $\alpha$

$^{60}\text{Nd-131}$

Radionuclide Production Cross Section



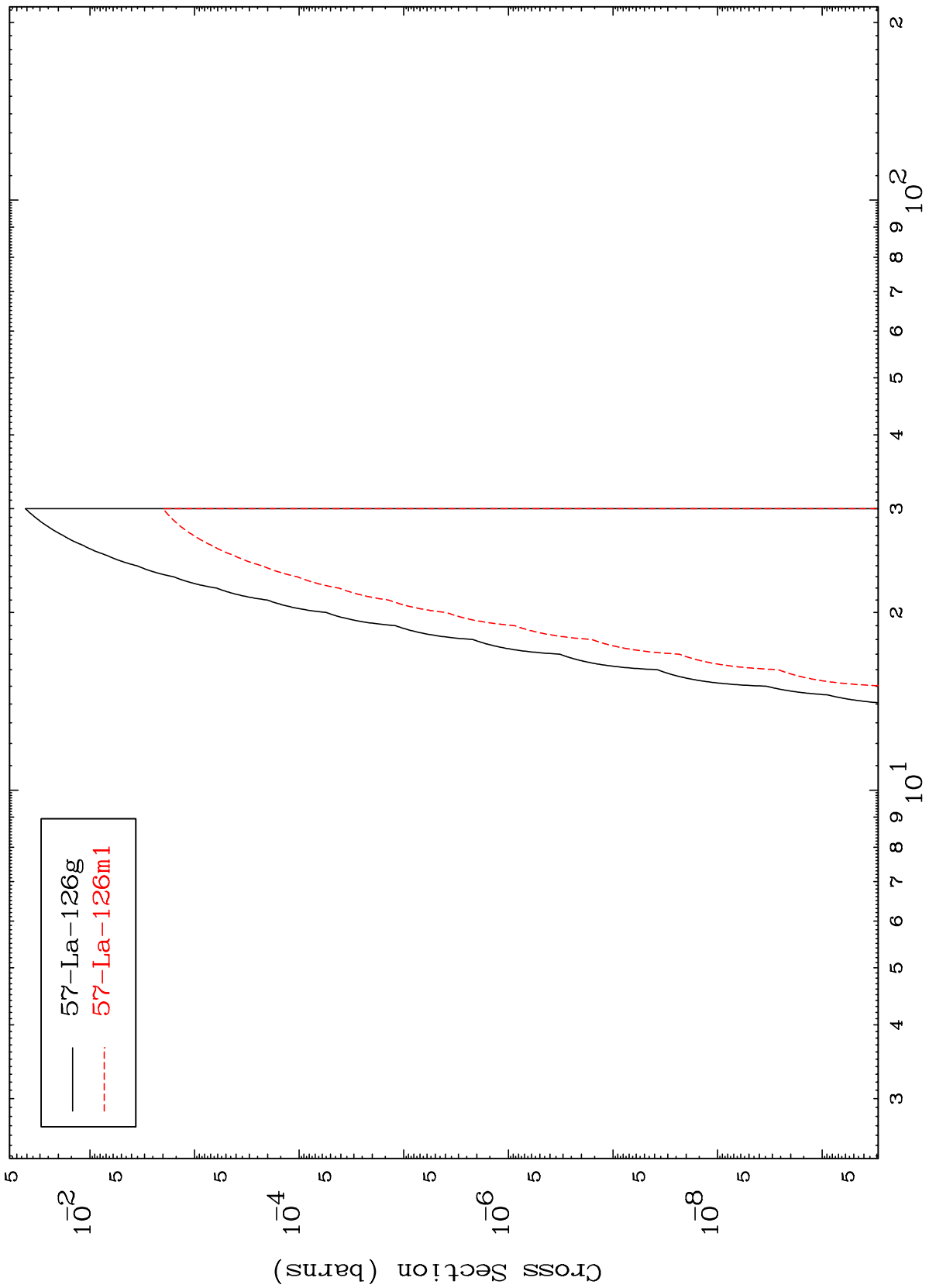
58-Ce-127g  
58-Ce-127m1

MAT 5992

(n,n') p  $\alpha$

60-Nd-131

Radionuclide Production Cross Section



57-La-126g  
57-La-126m1

92

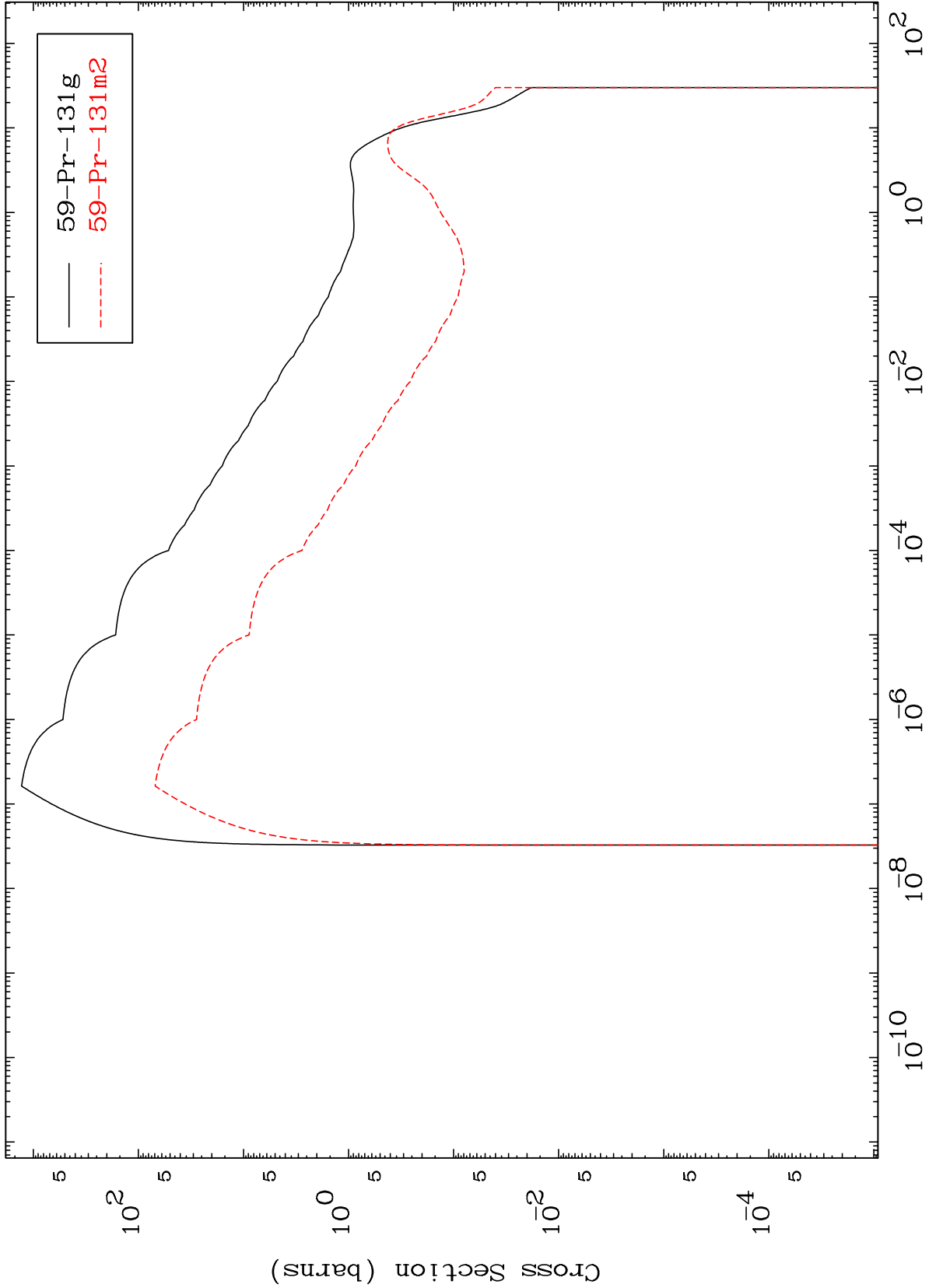
Incident Energy (MeV)

60-Nd-131

MAT 5992

60-Nd-131

(n,p)  
Radionuclide Production Cross Section



93

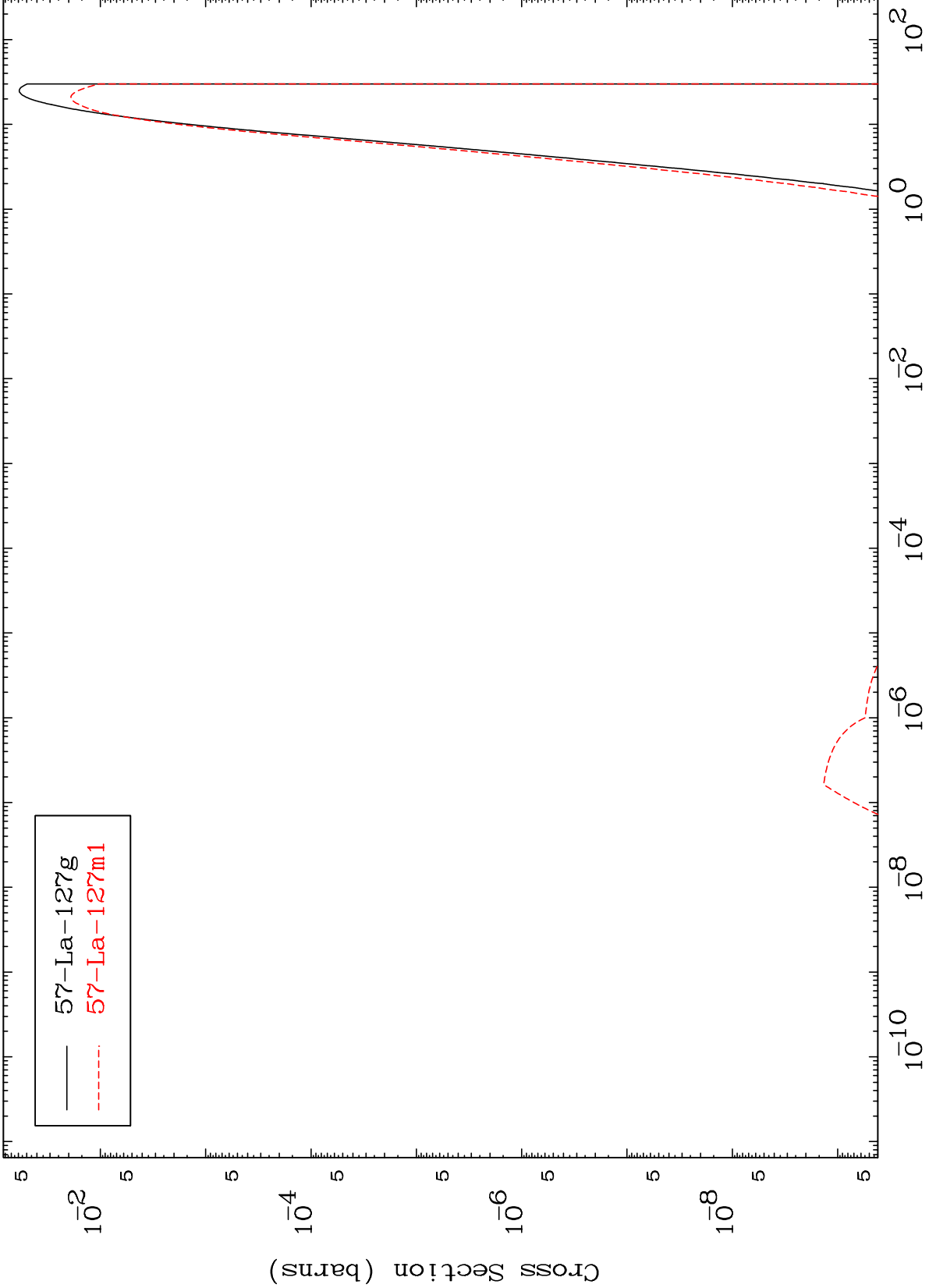
60-Nd-131

MAT 5992

(n,p)  $\alpha$

$^{60}\text{Nd}-131$

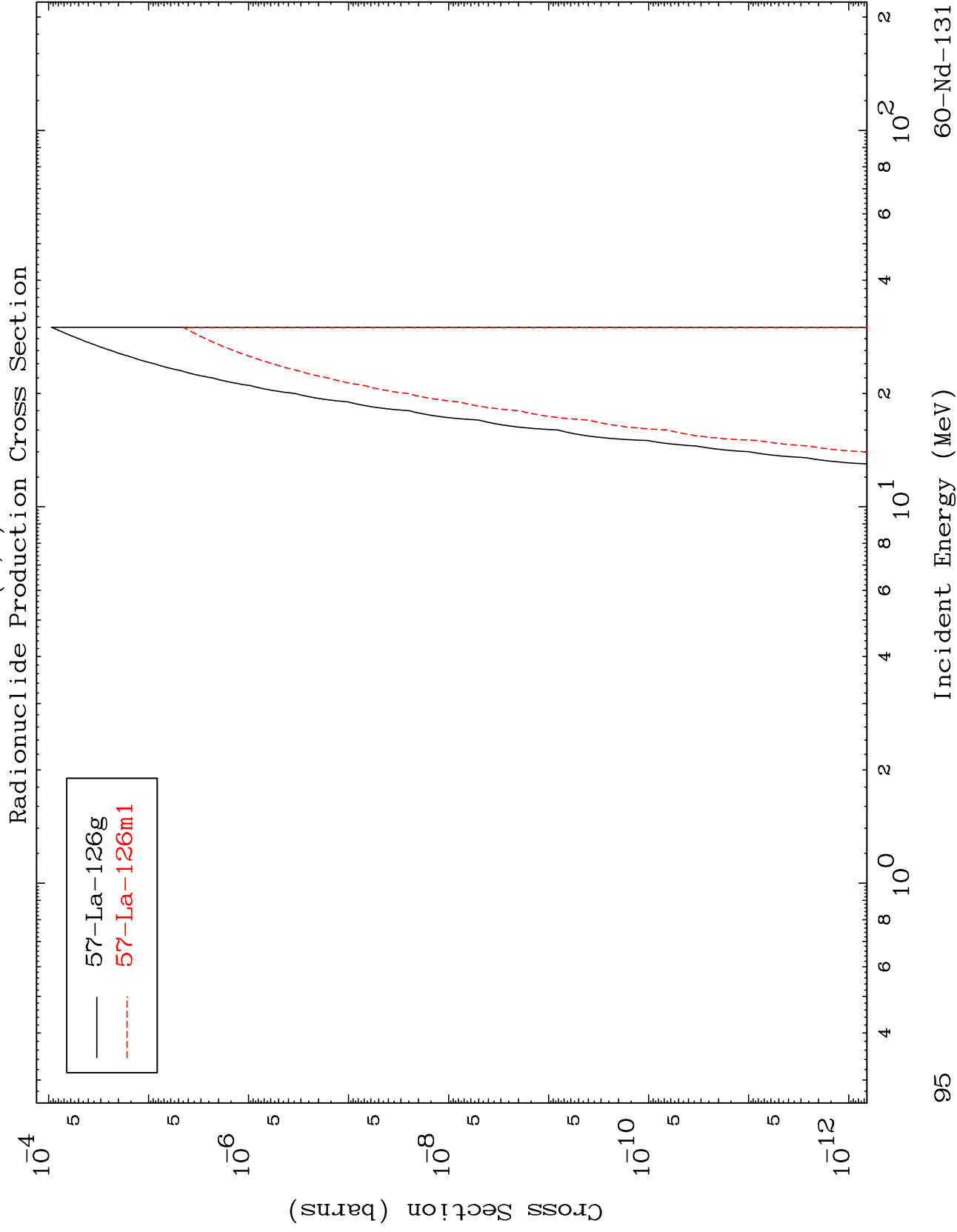
Radionuclide Production Cross Section



MAT 5992

(n,d)  $\alpha$

60-Nd-131



95