

Program EVALPLOT  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

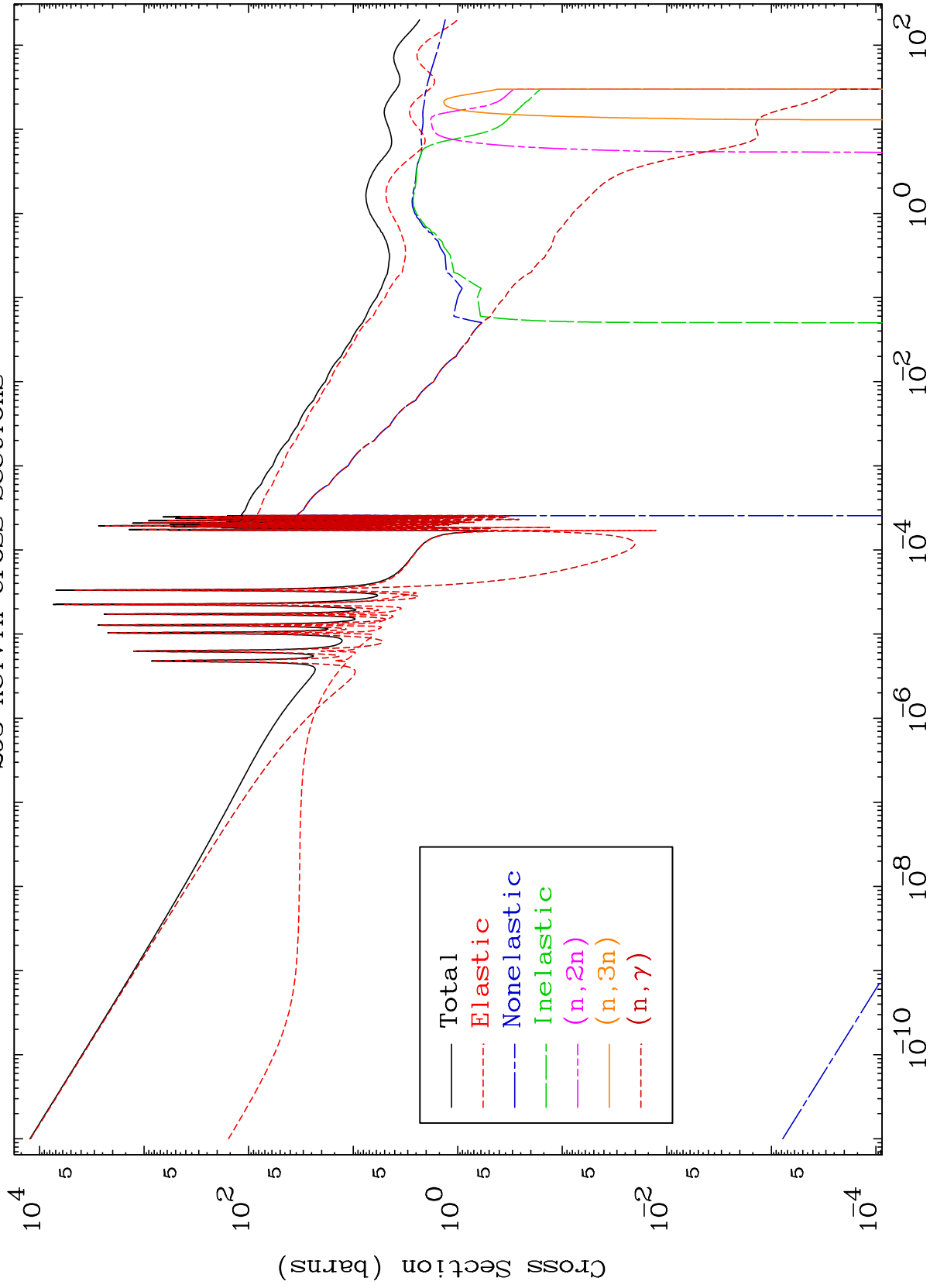
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6040

Neutron Major  
293 Kelvin Cross Sections

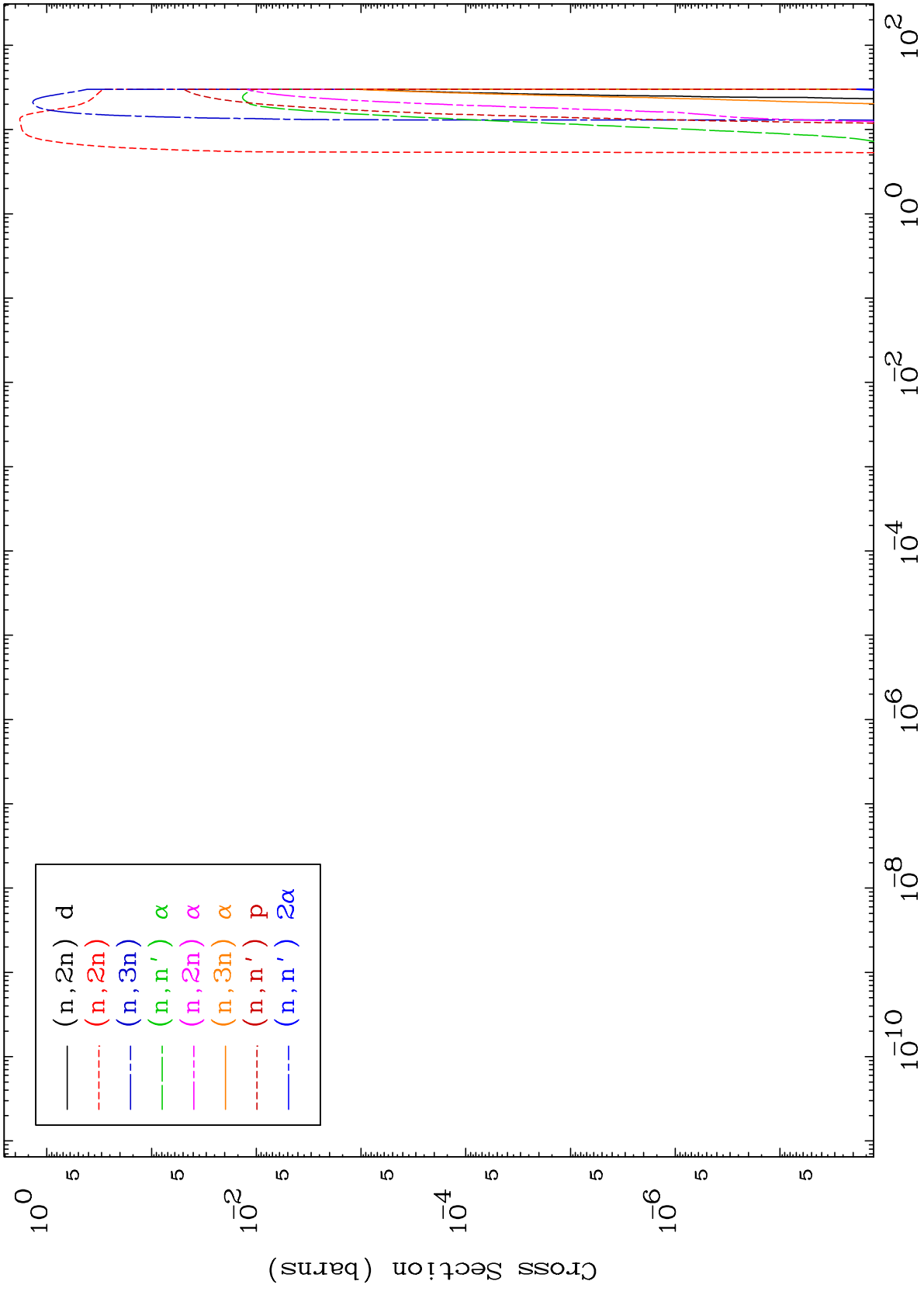
60-Nd-147



MAT 6040

### Neutron Absorption 293 Kelvin Cross Sections

60-Nd-147

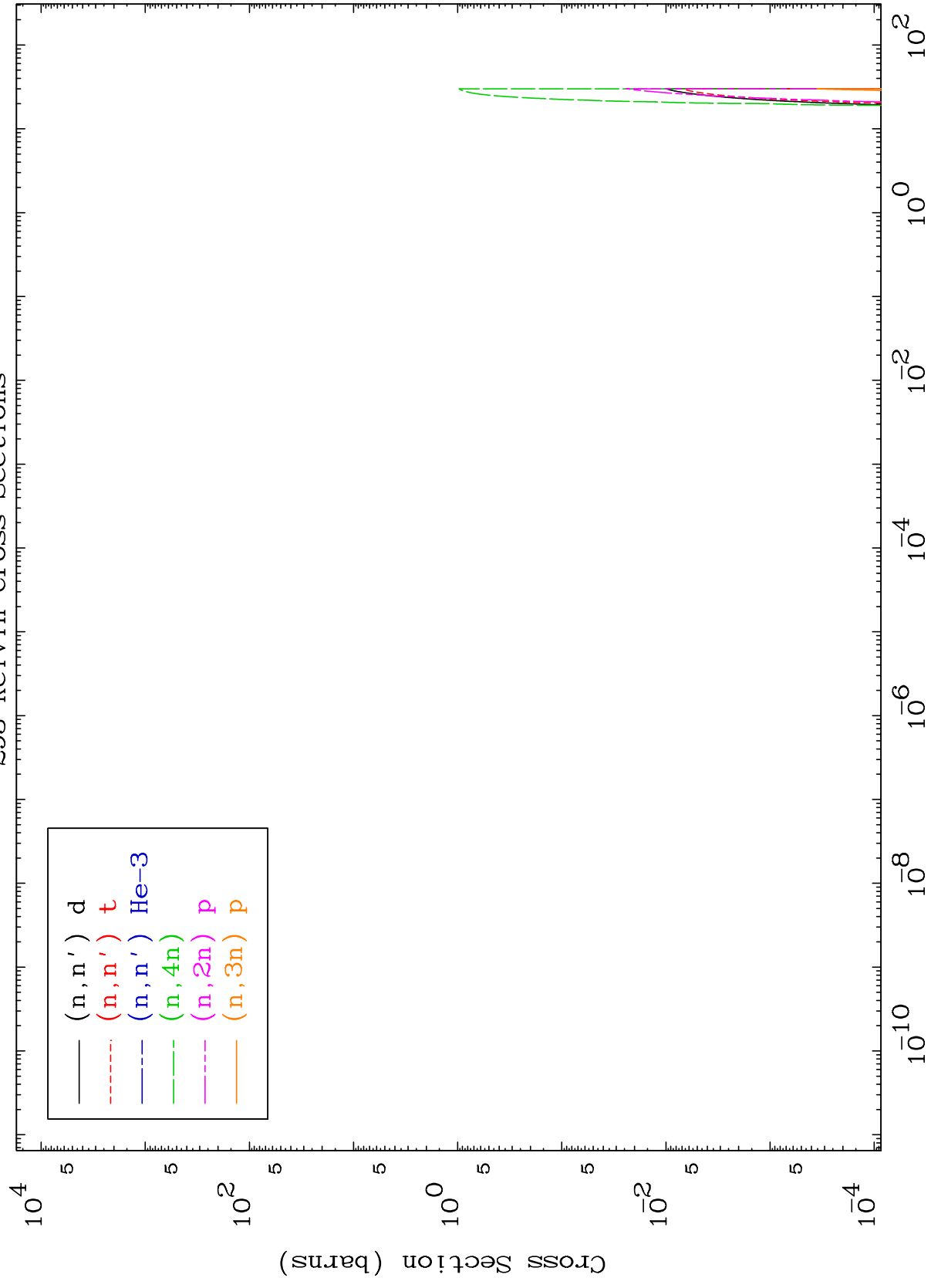


60-Nd-147

MAT 6040

Neutron Absorption  
293 Kelvin Cross Sections

60-Nd-147

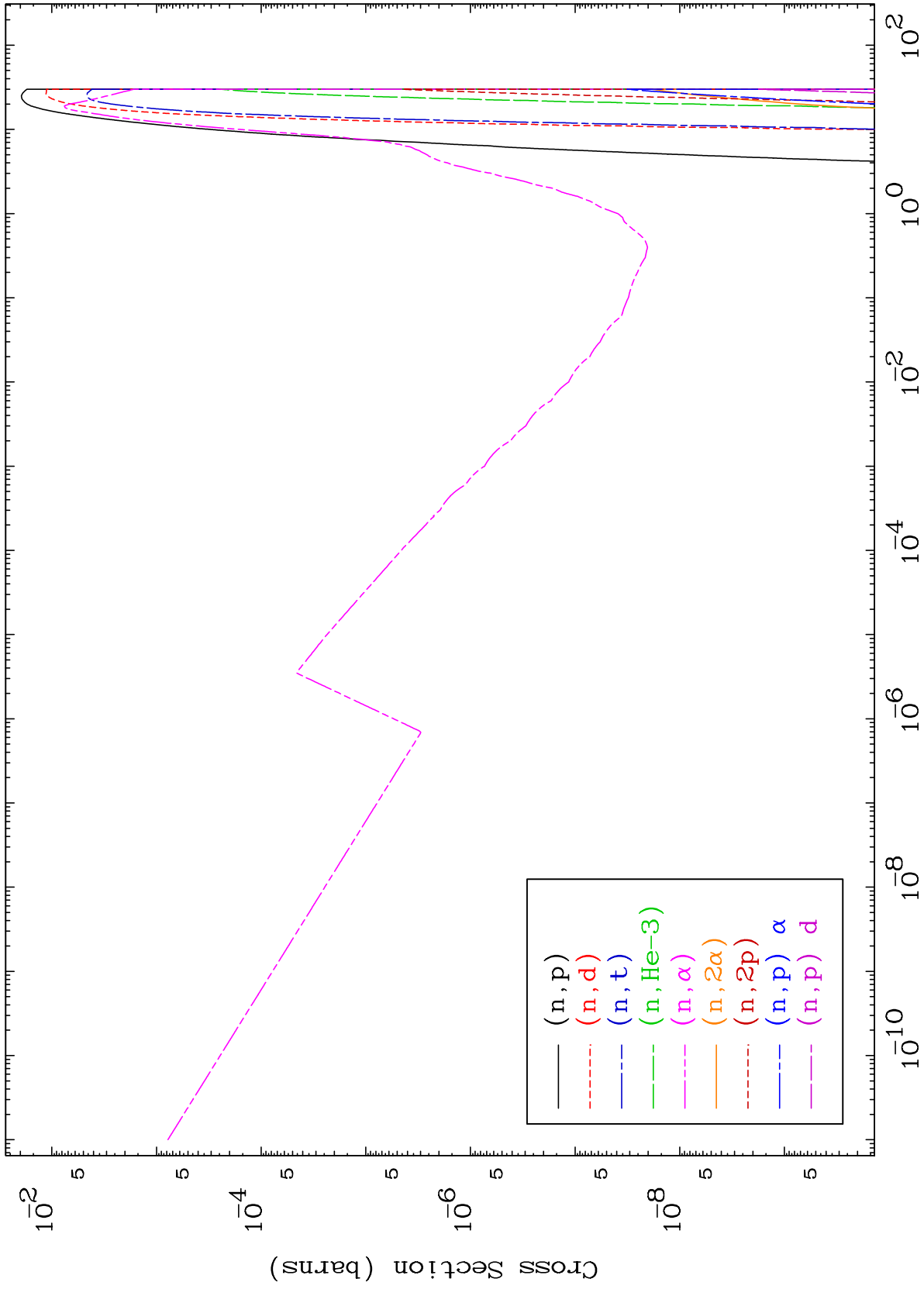


60-Nd-147

MAT 6040

Neutron Absorption  
293 Kelvin Cross Sections

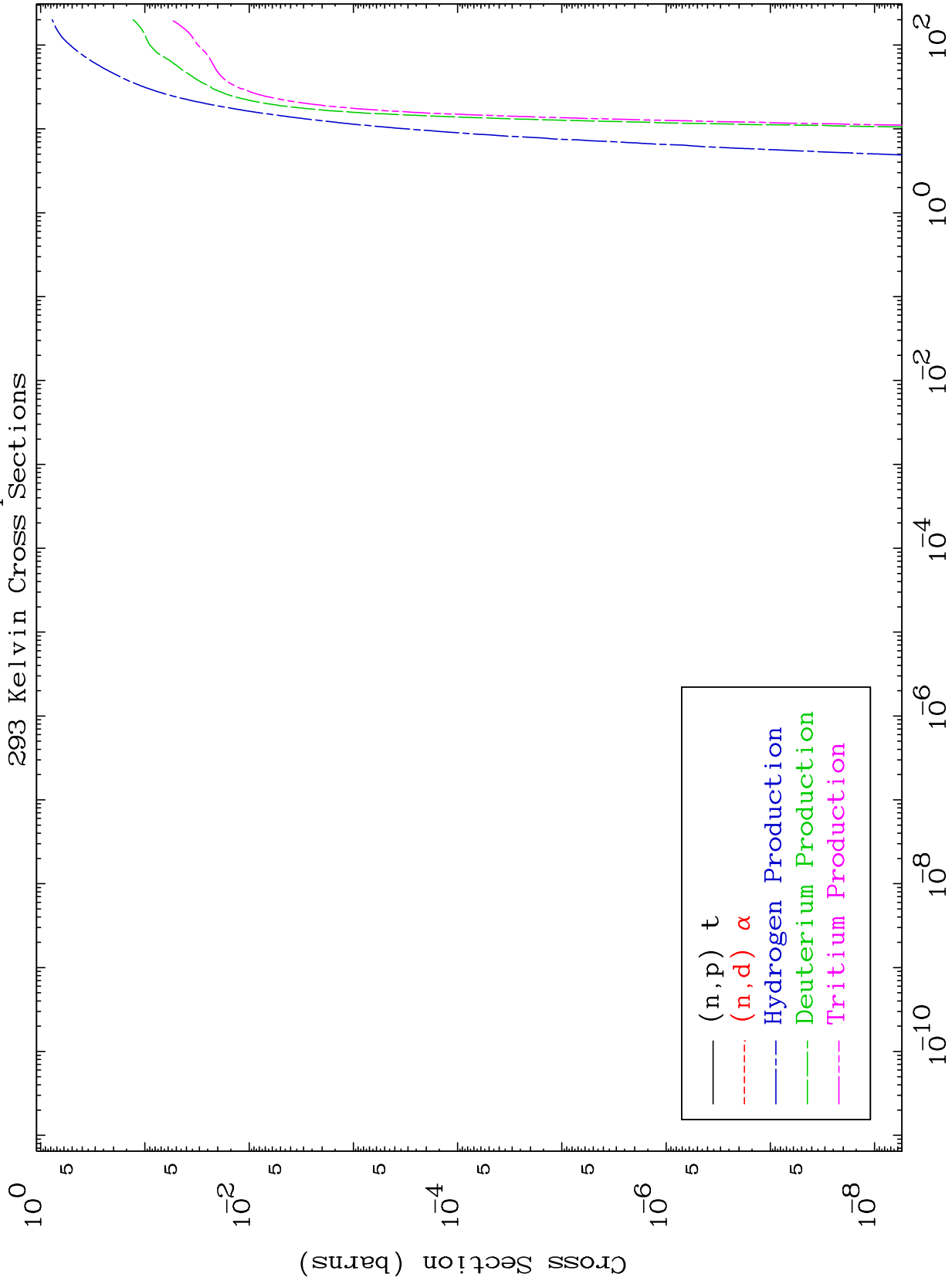
60-Nd-147



MAT 6040

Neutron Absorption  
293 Kelvin Cross Sections

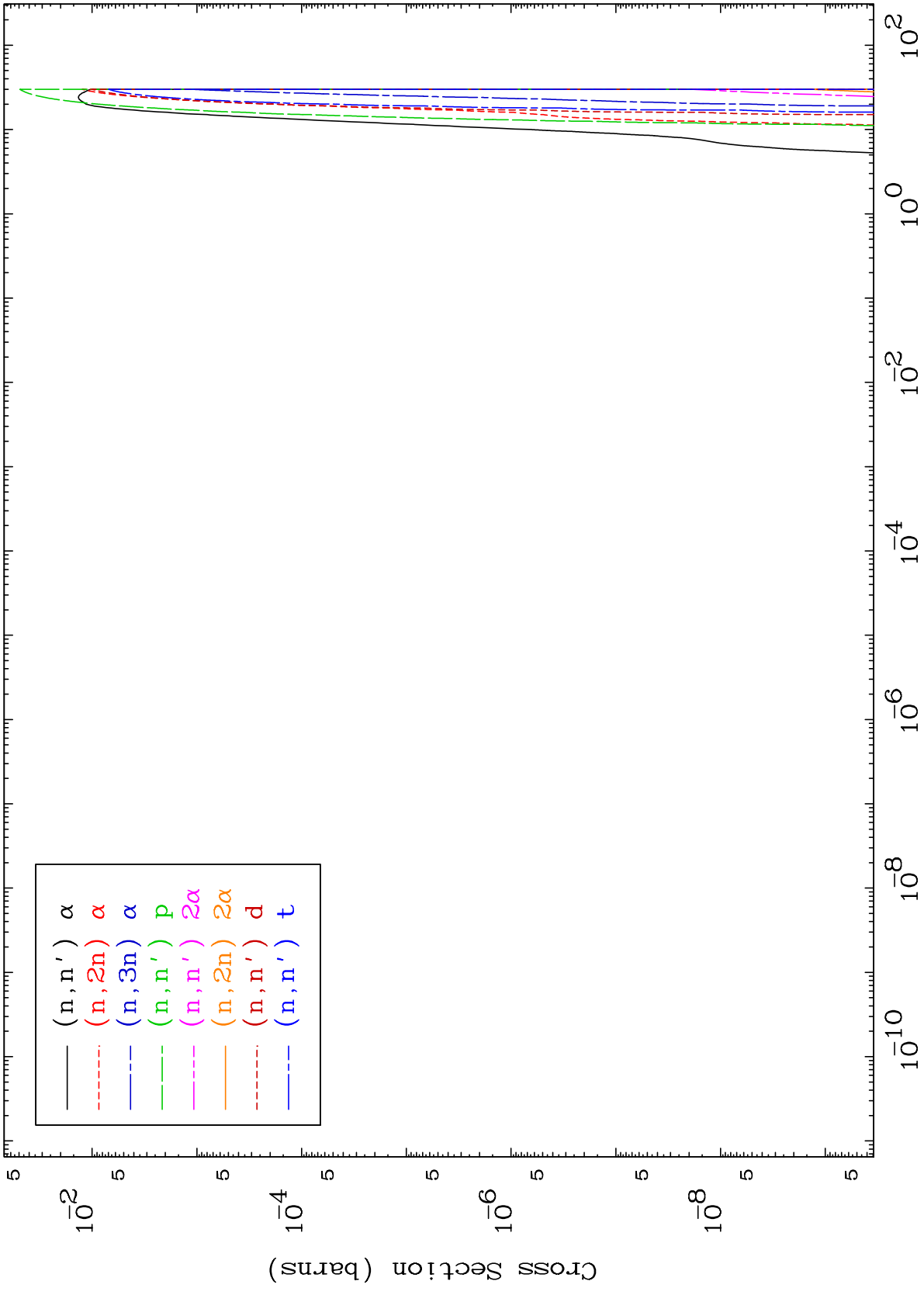
60-Nd-147



MAT 6040

293 Charged Particle  
Kelvin Cross Sections

60-Nd-147

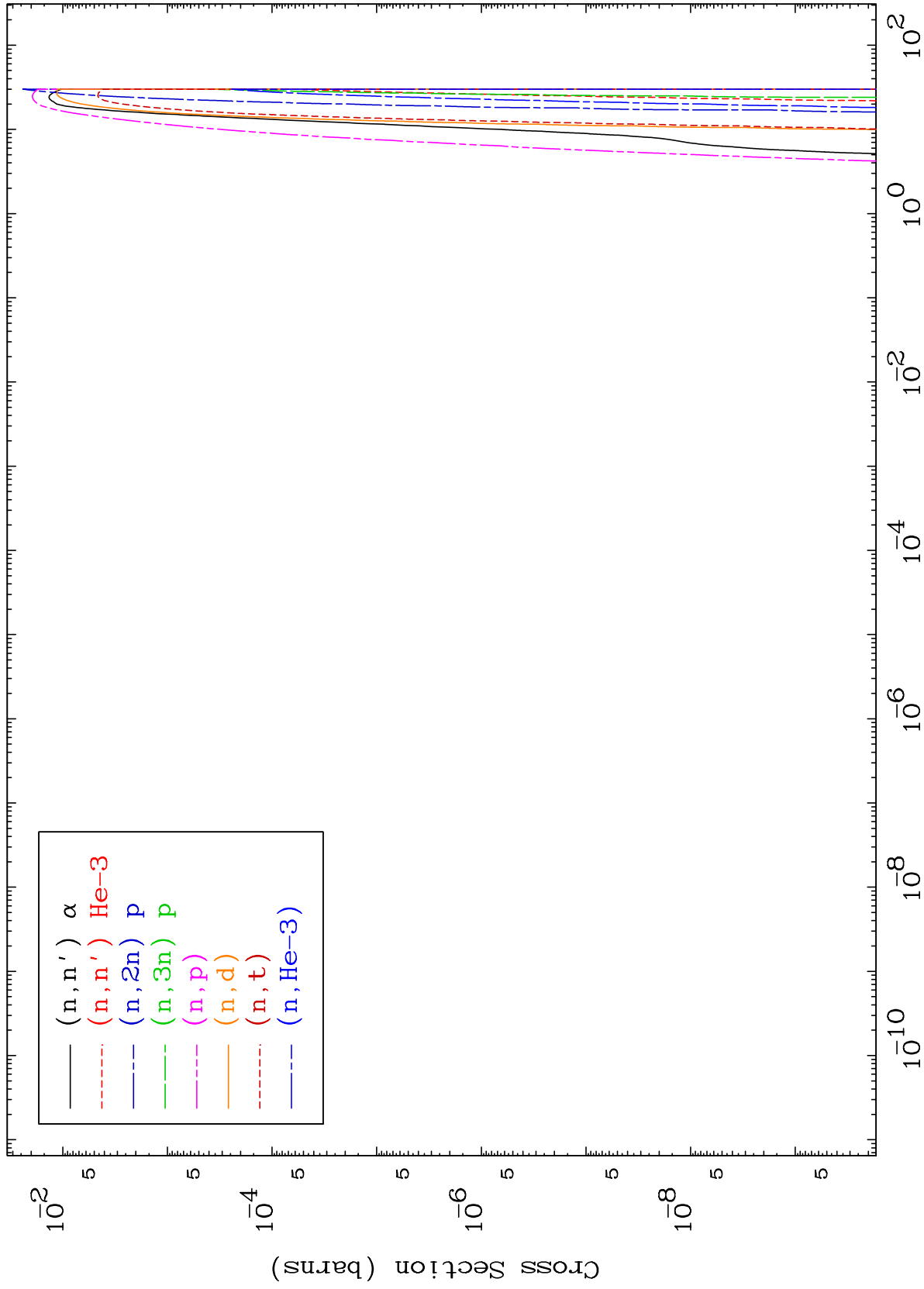


60-Nd-147

MAT 6040

Charged Particle  
293 Kelvin Cross Sections

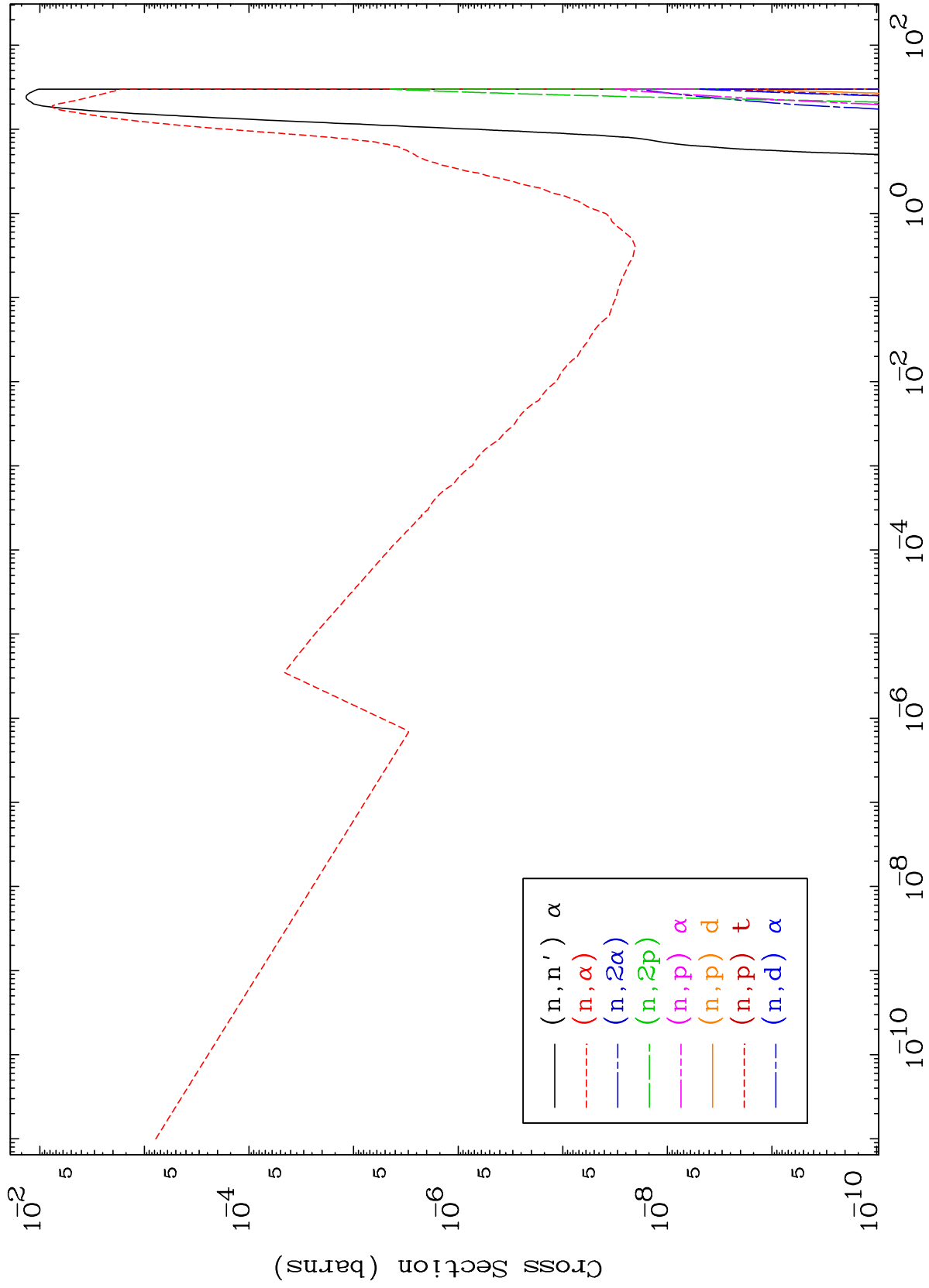
60-Nd-147

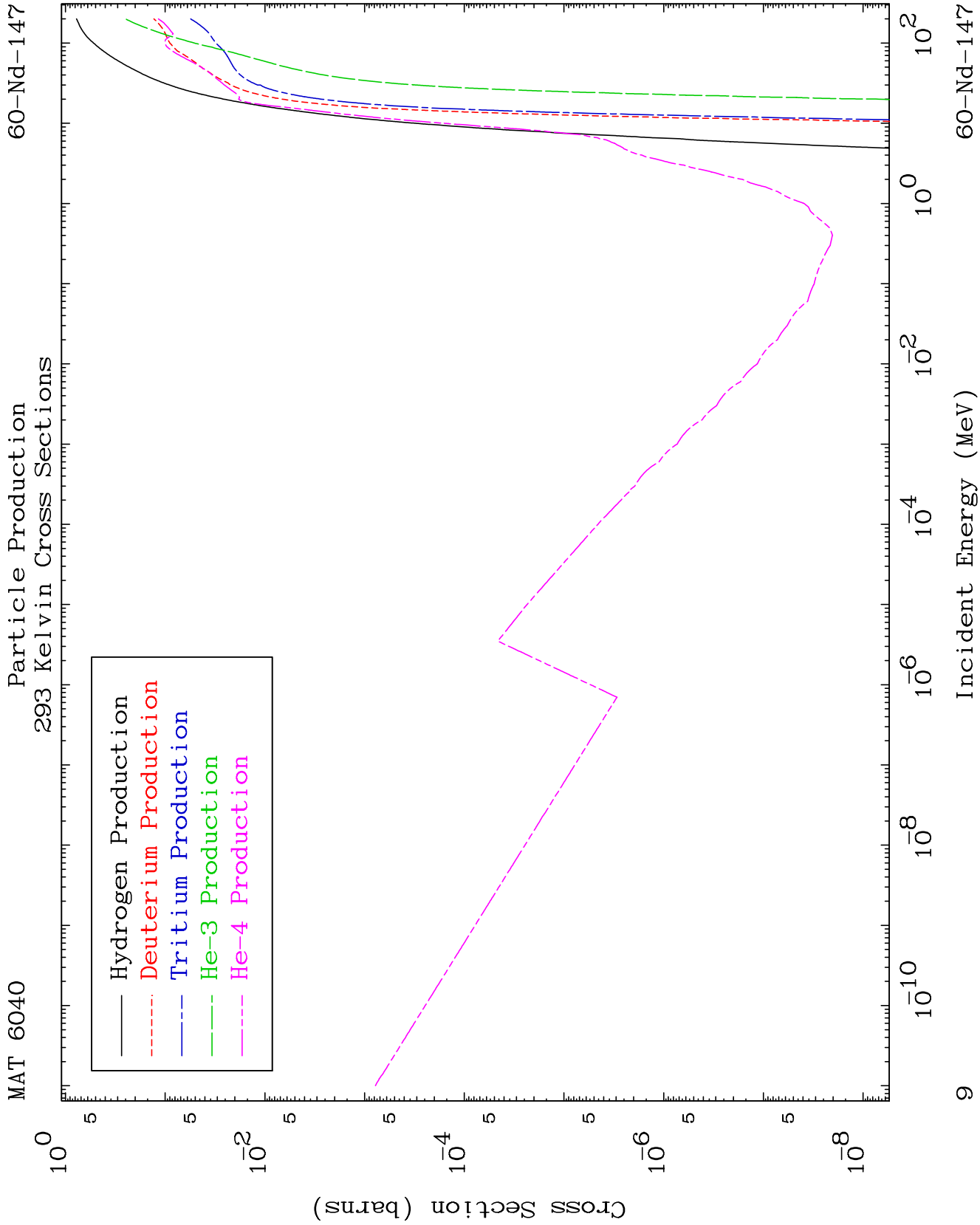


MAT 6040

293 Kelvin Cross Sections

60-Nd-147

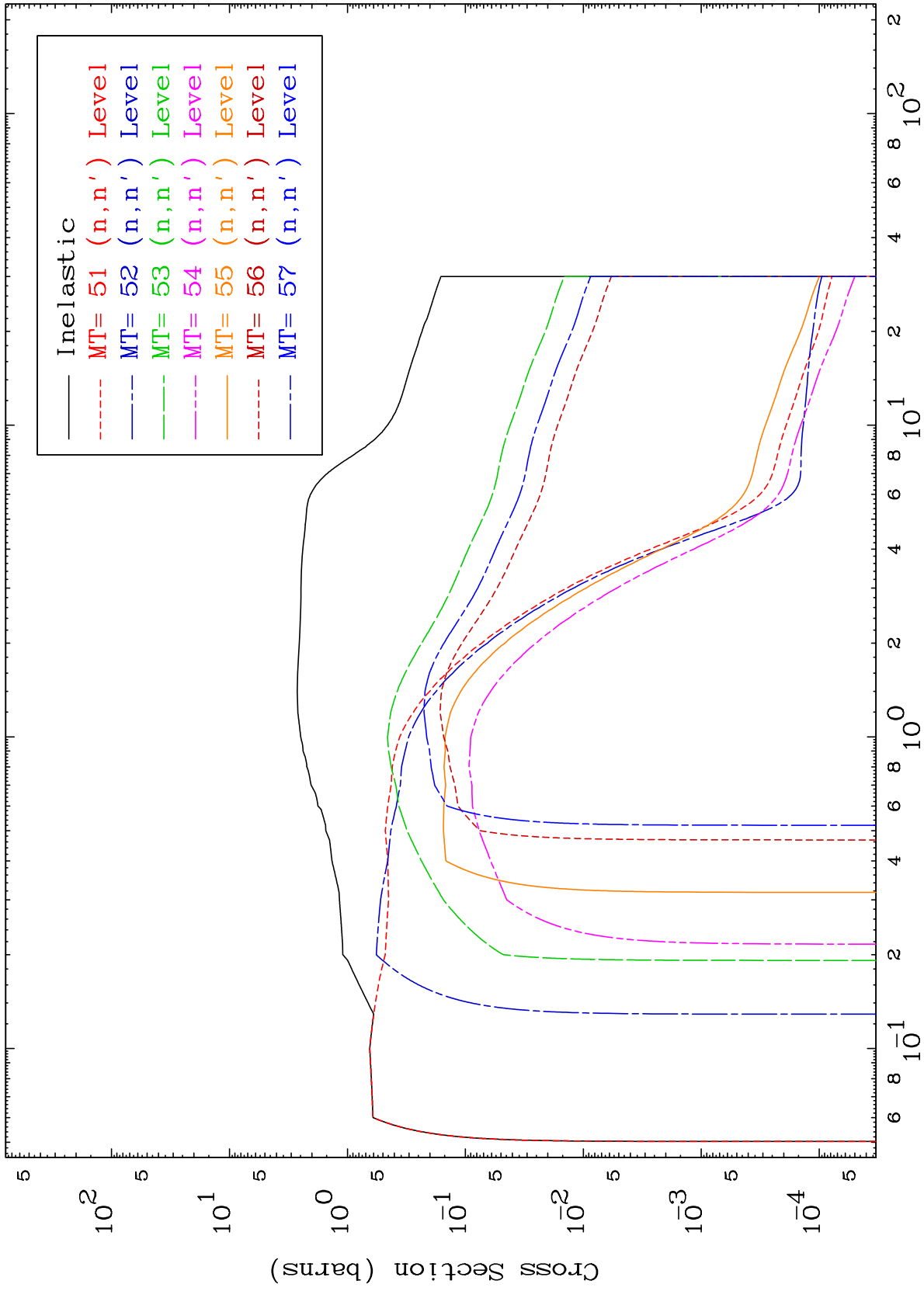




MAT 6040

(n,n') Levels  
293 Kelvin Cross Sections

60-Nd-147



10

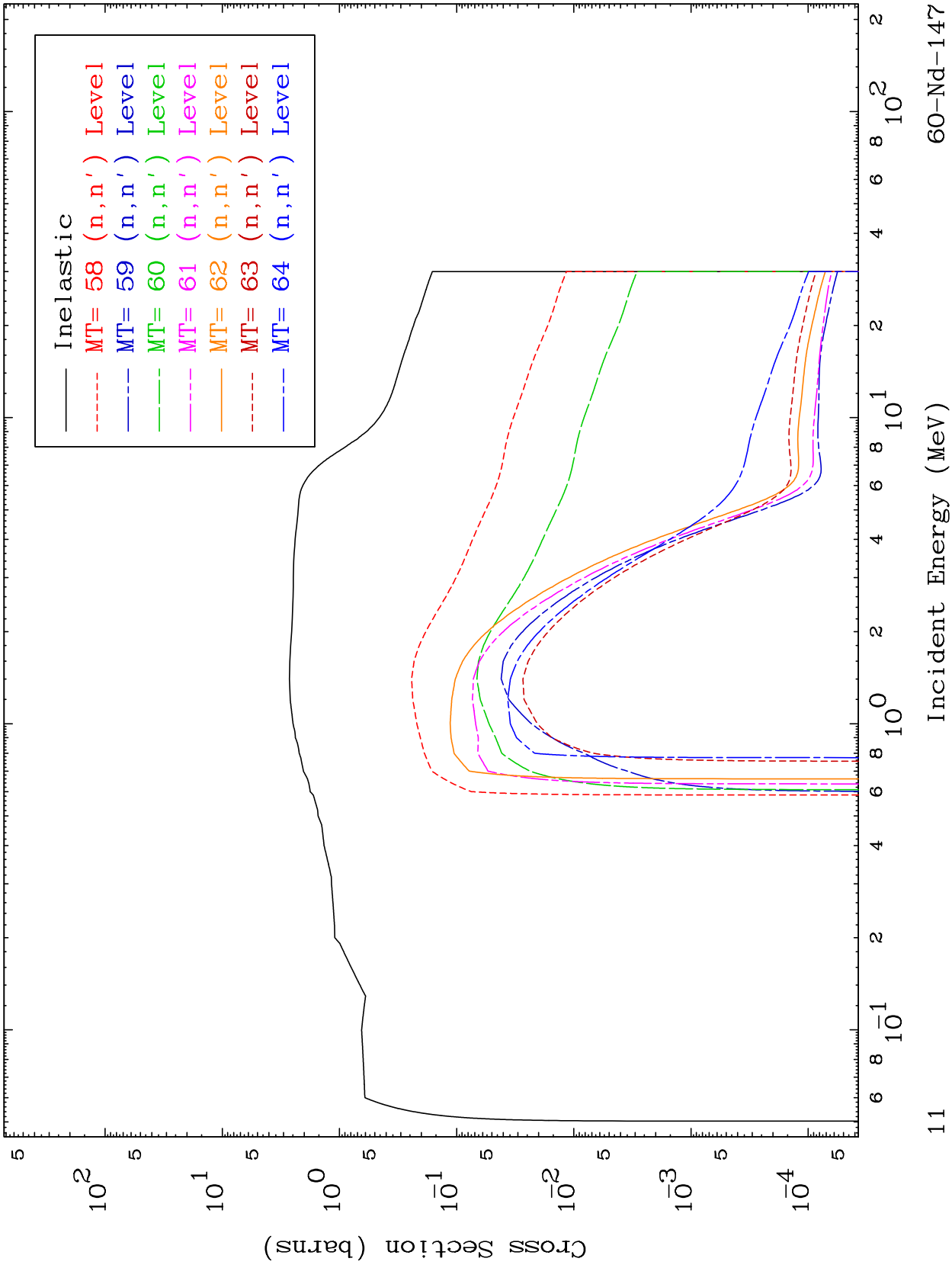
Incident Energy (MeV)

60-Nd-147

MAT 6040

(n,n') Levels  
293 Kelvin Cross Sections

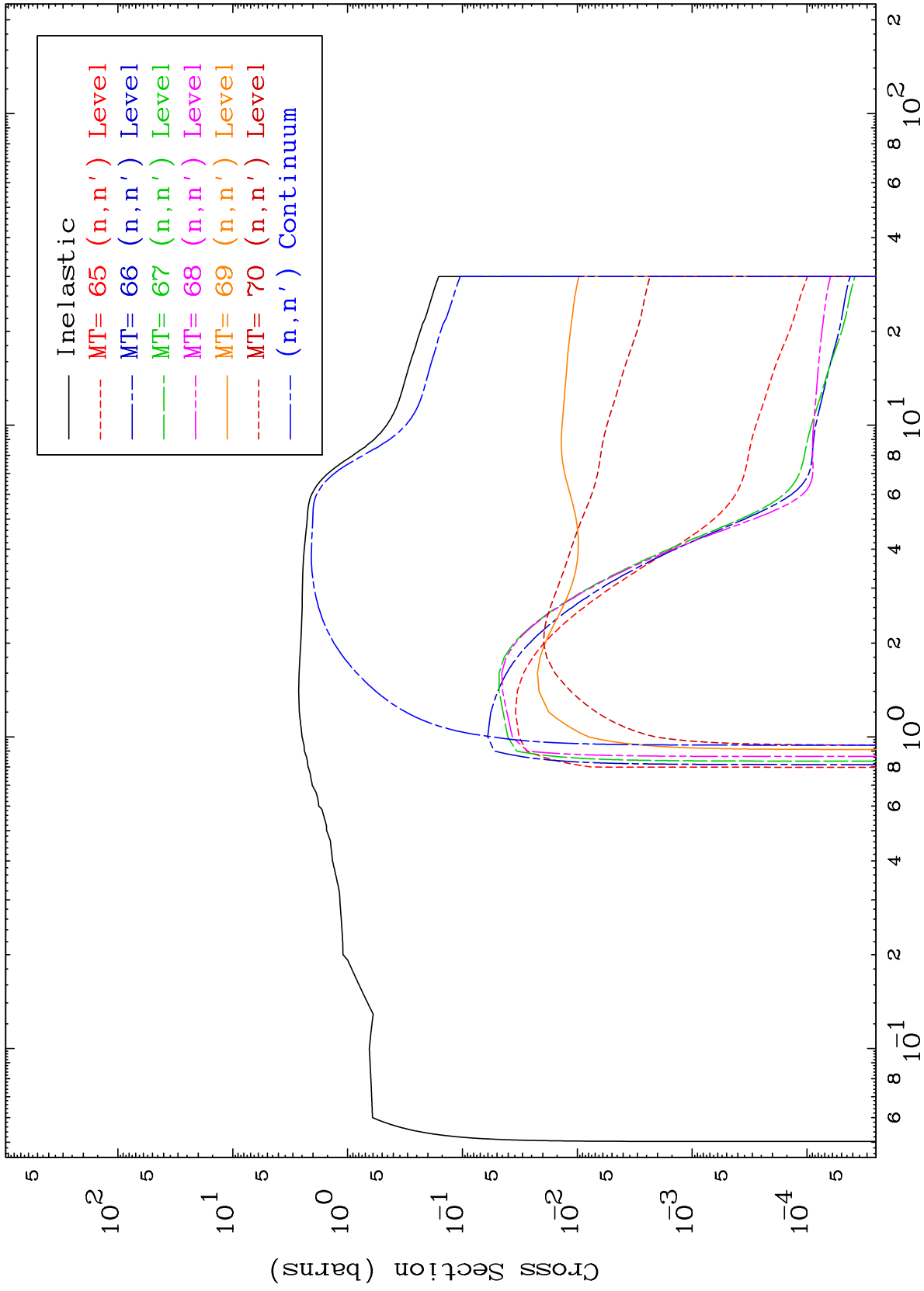
60-Nd-147



MAT 6040

(n,n') Levels  
293 Kelvin Cross Sections

60-Nd-147



12

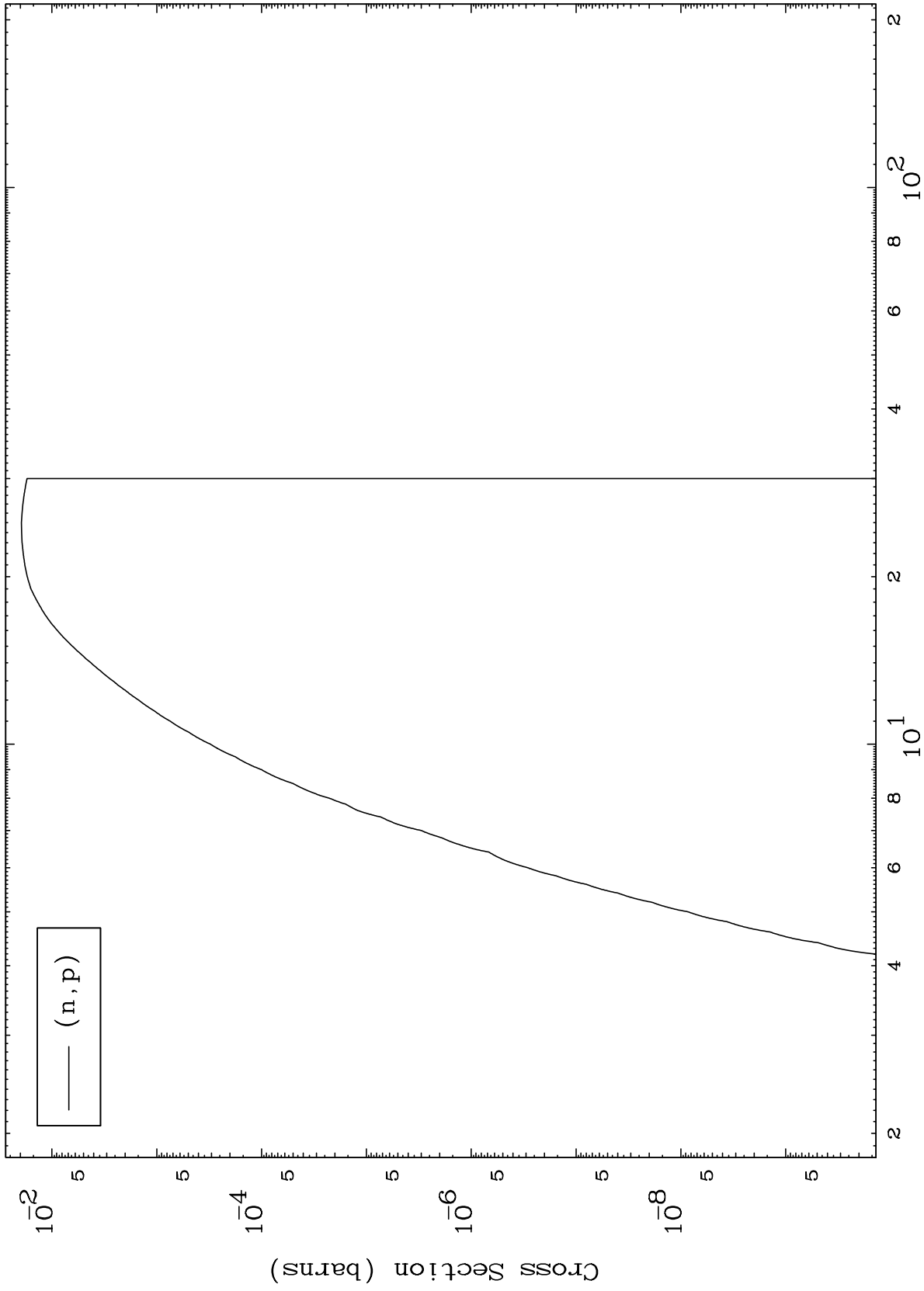
Incident Energy (MeV)

60-Nd-147

MAT 6040

(n,p) Levels  
293 Kelvin Cross Sections

60-Nd-147



13

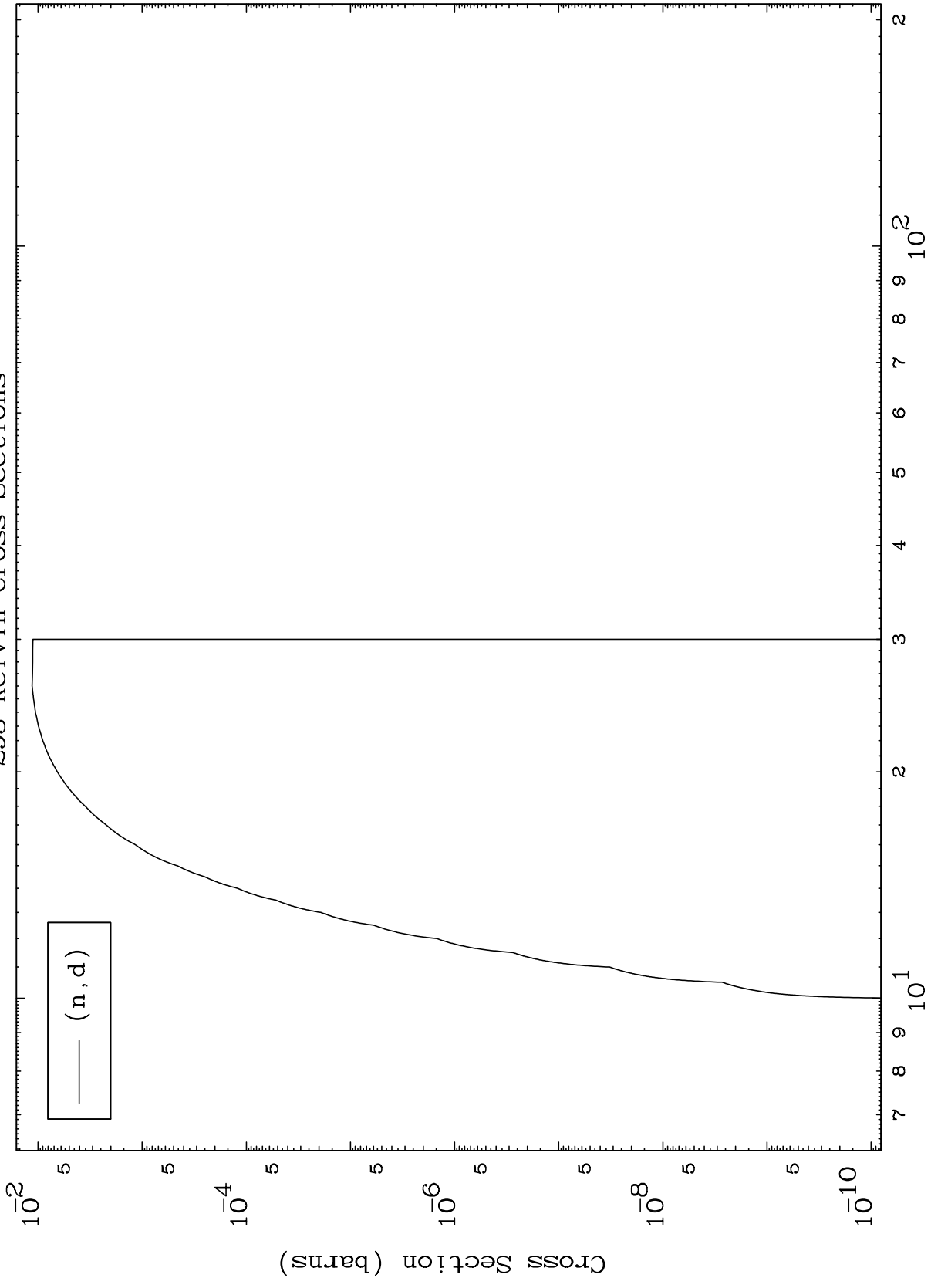
Incident Energy (MeV)

60-Nd-147

MAT 6040

(n,d) Levels  
293 Kelvin Cross Sections

60-Nd-147



14

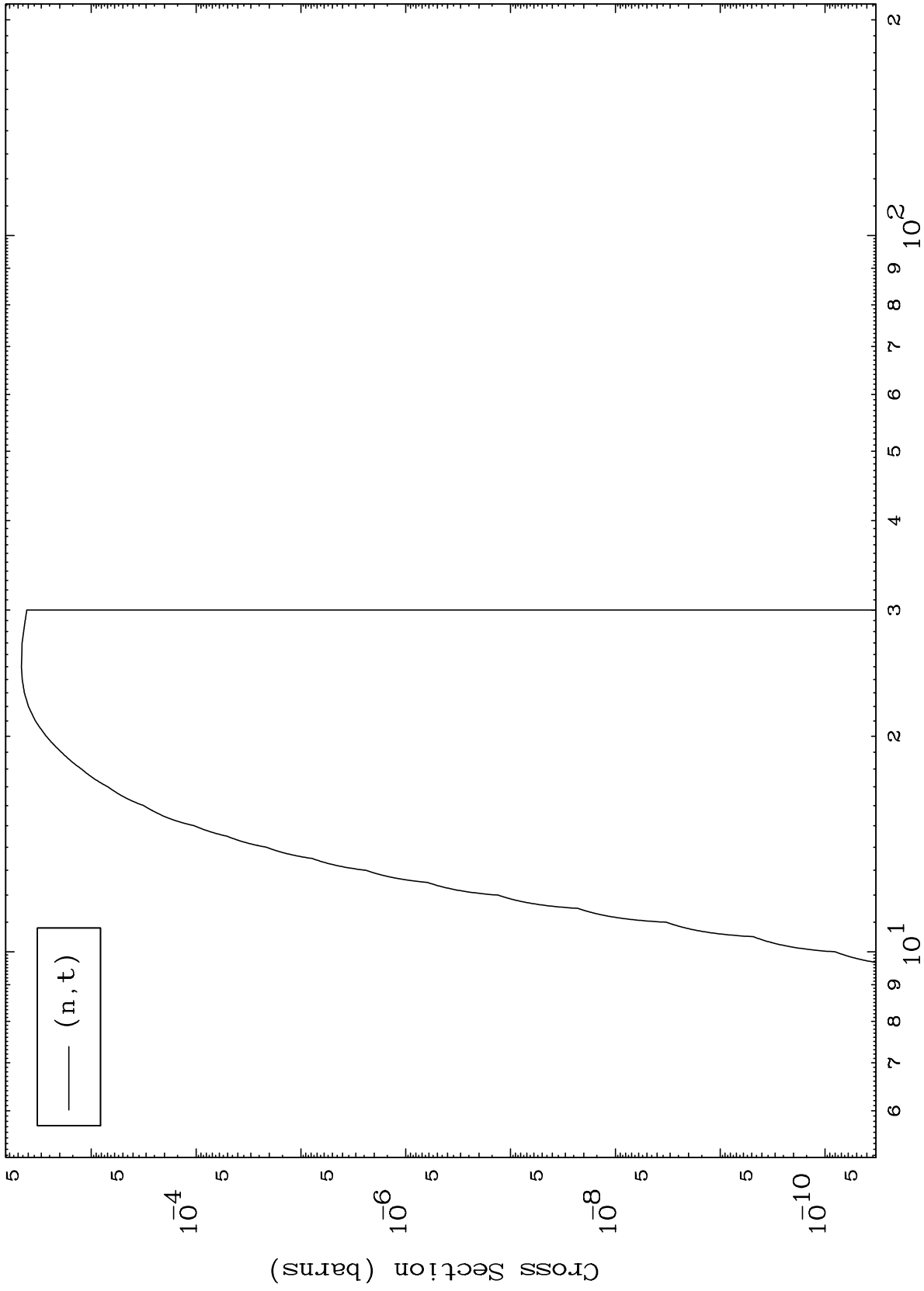
Incident Energy (MeV)

60-Nd-147

MAT 6040

(n,t) Levels  
293 Kelvin Cross Sections

60-Nd-147



15

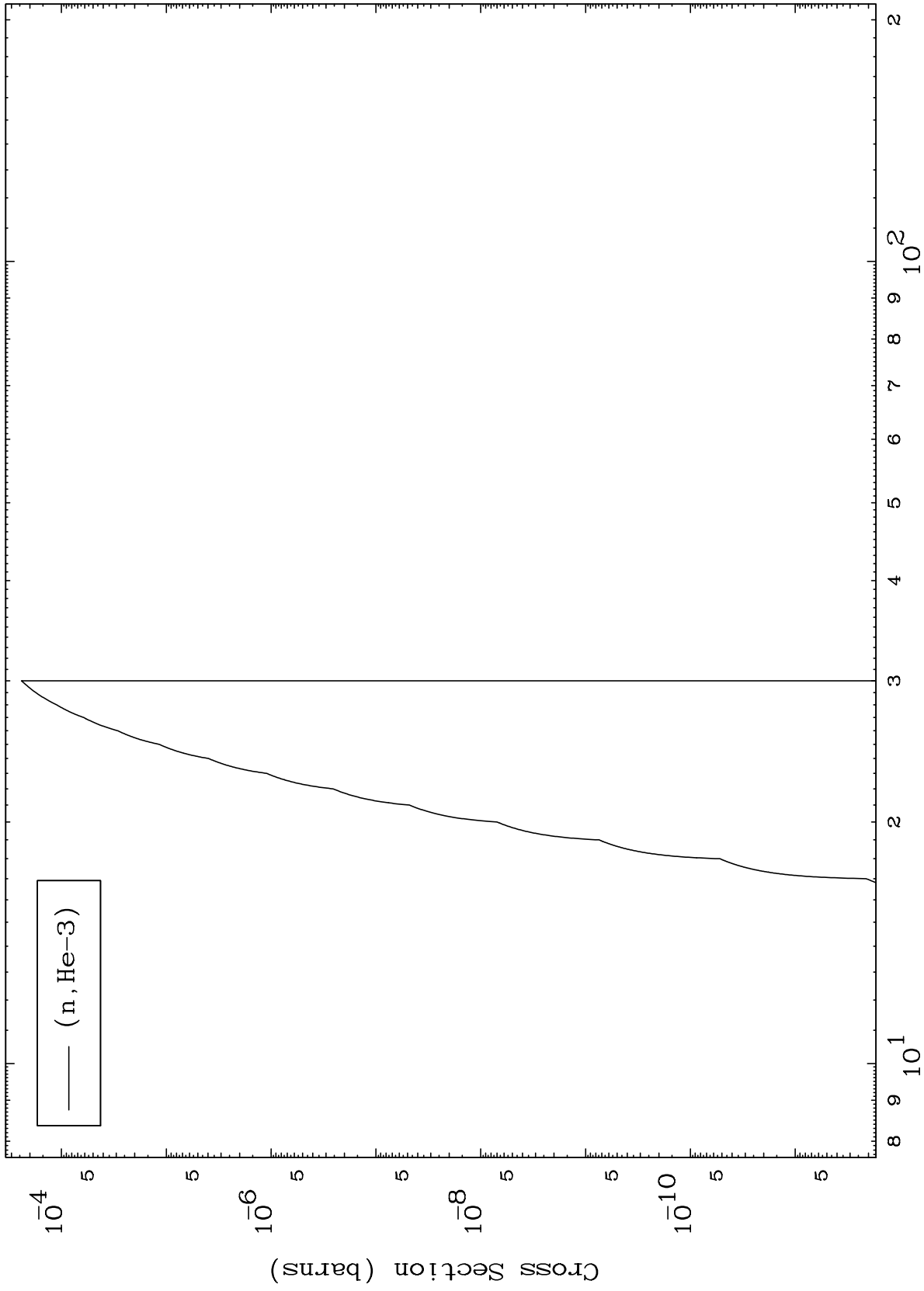
Incident Energy (MeV)

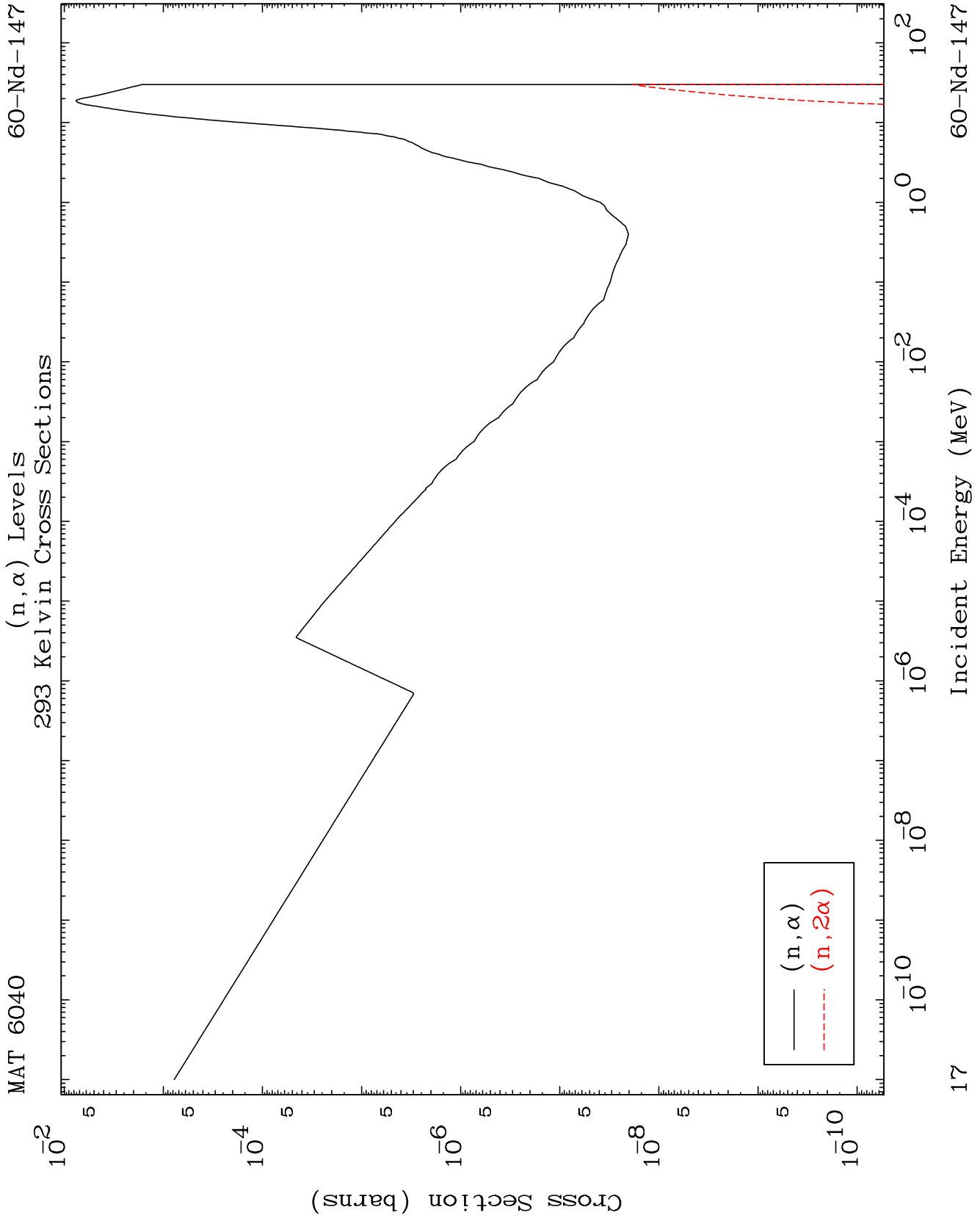
60-Nd-147

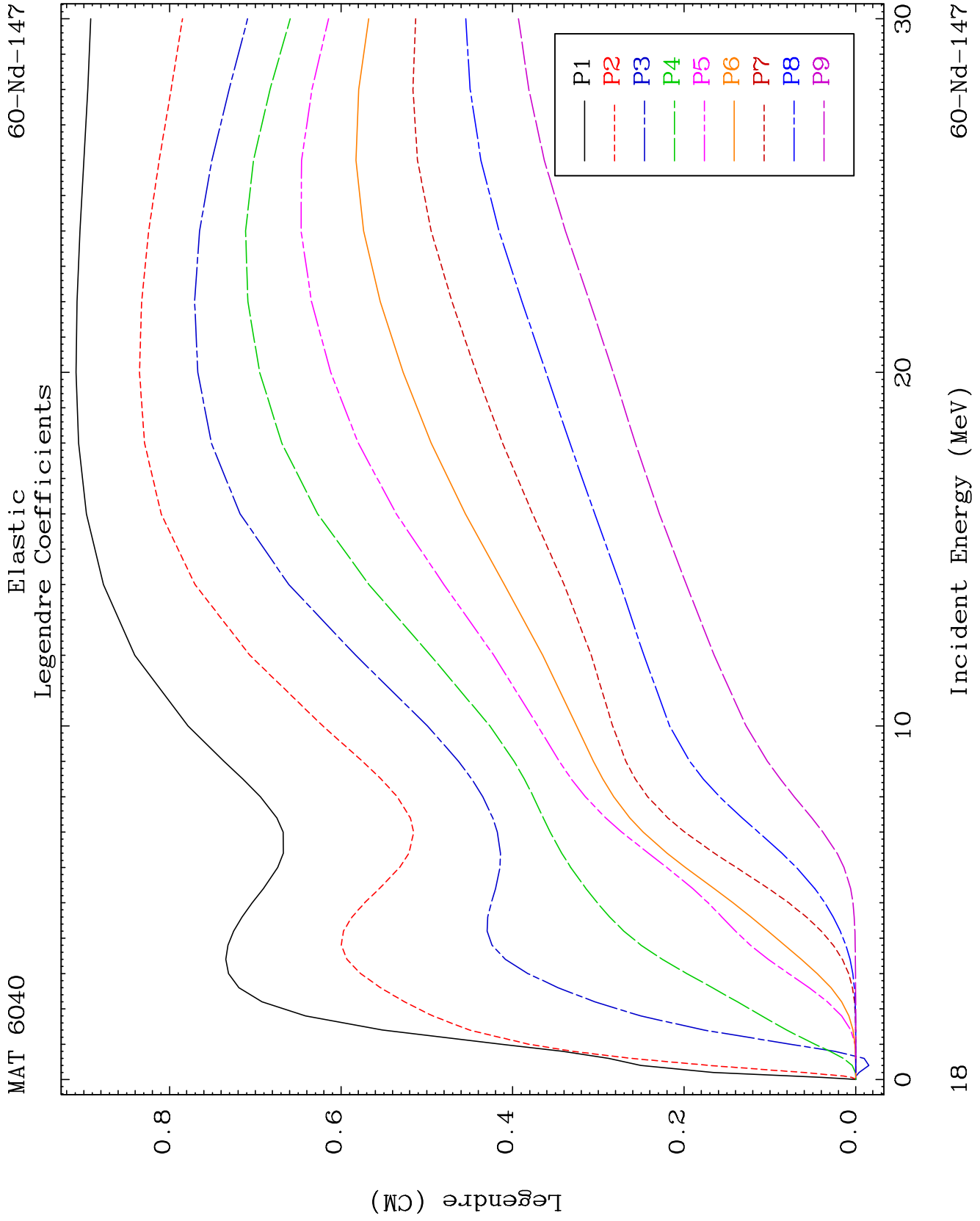
MAT 6040

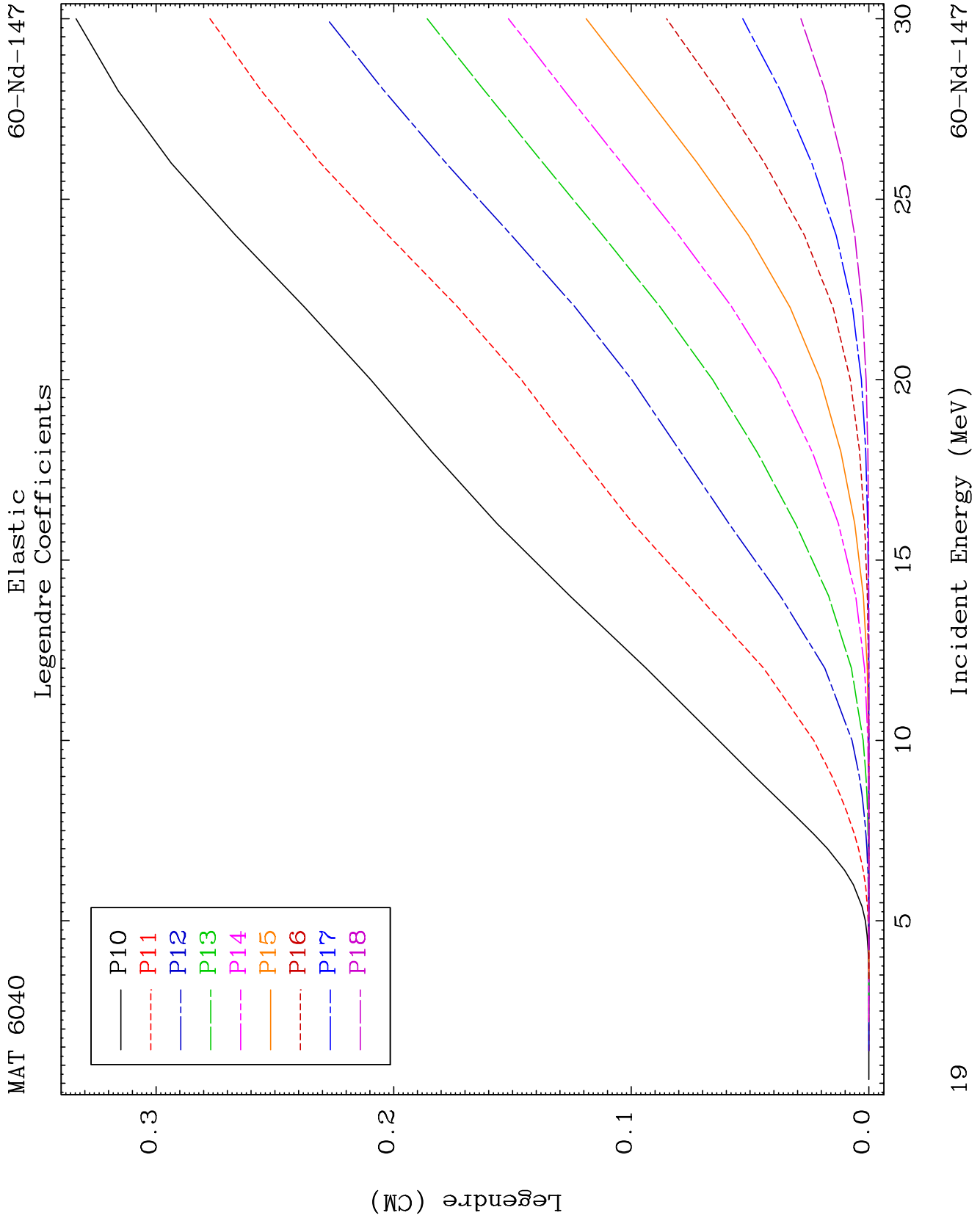
(n,He3) Levels  
293 Kelvin Cross Sections

60-Nd-147





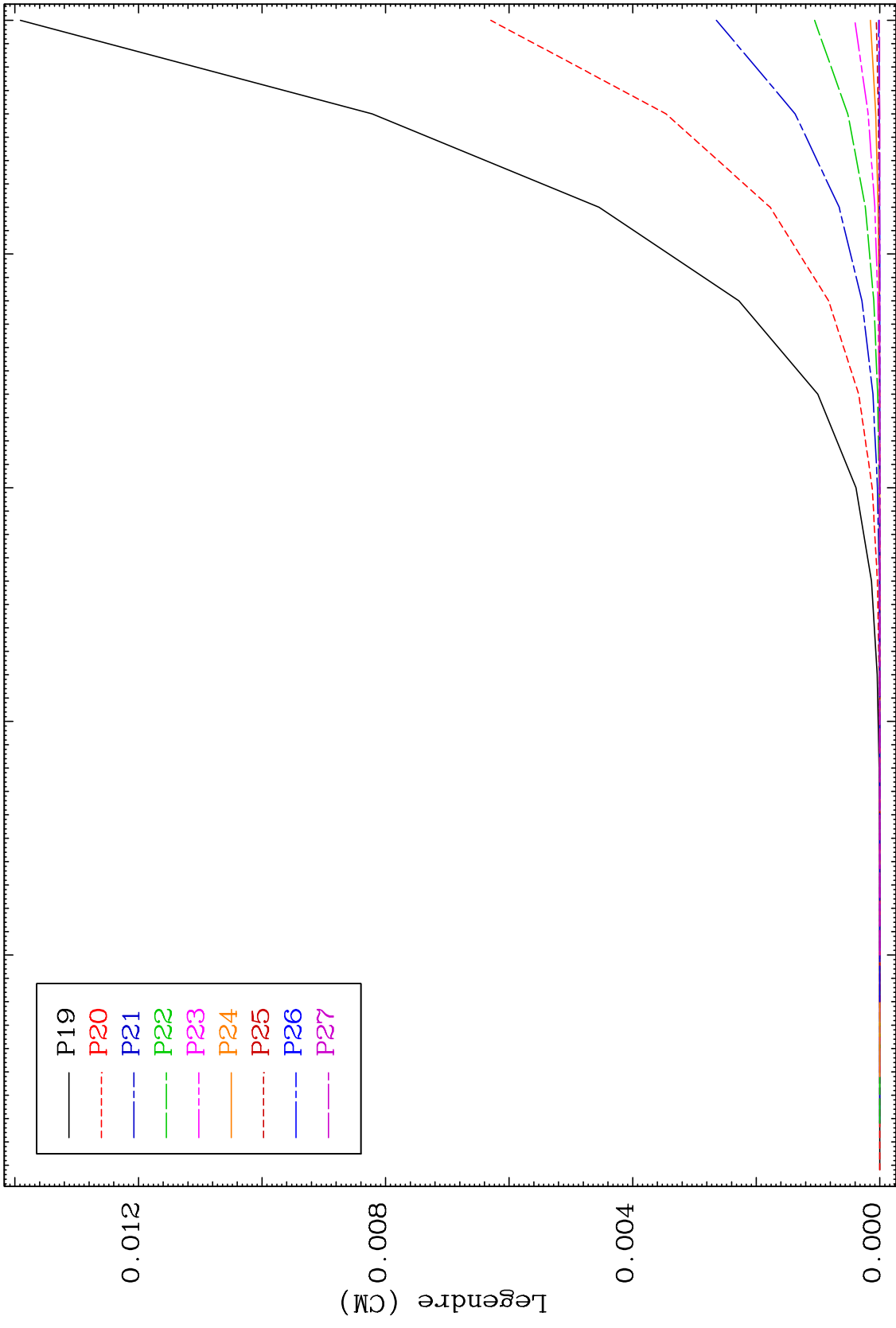




MAT 6040

Elastic  
Legendre Coefficients

60-Nd-147



20

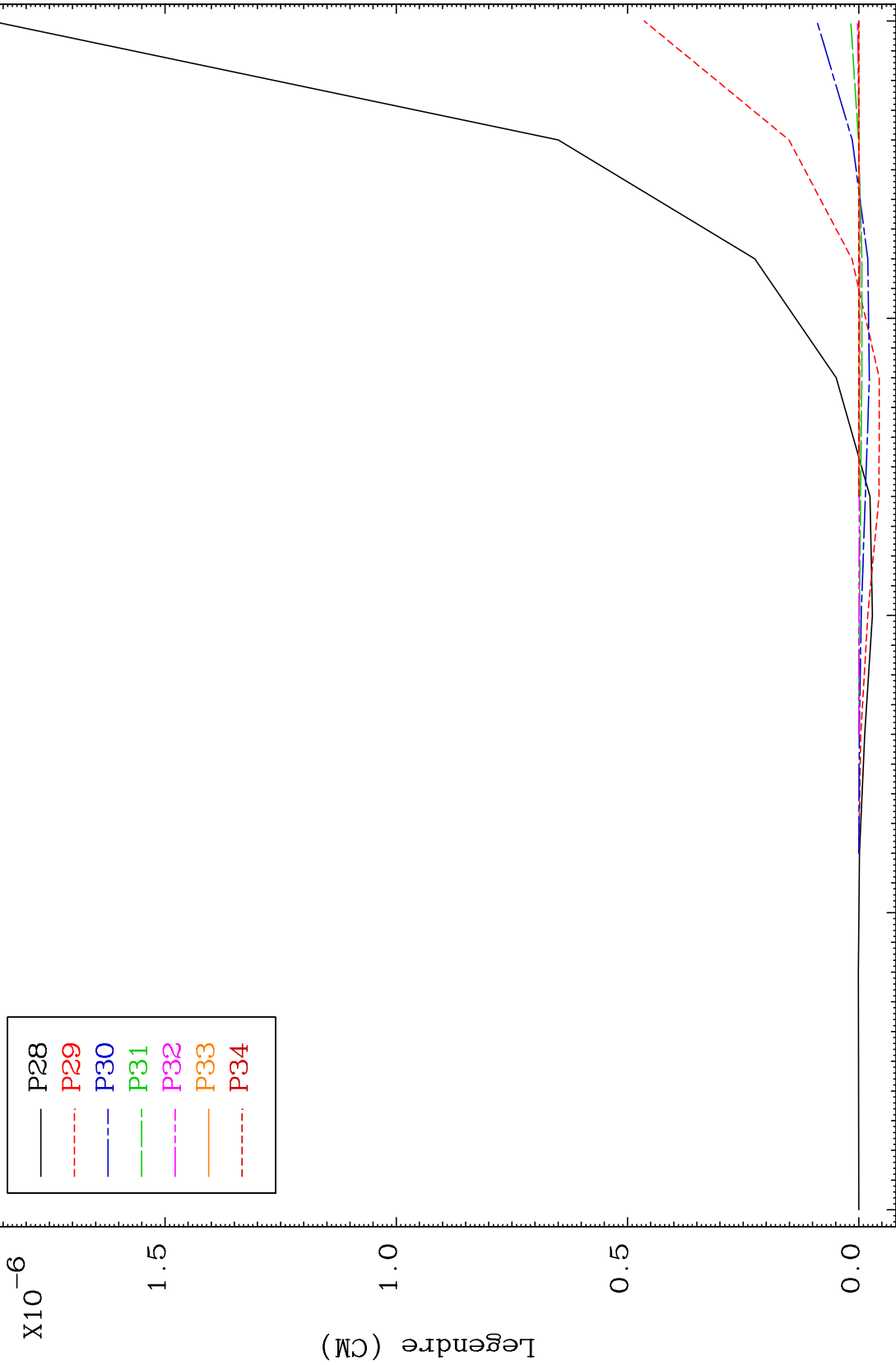
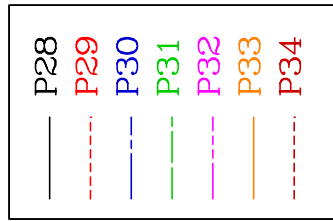
Incident Energy (MeV)

60-Nd-147

MAT 6040

Elastic Legendre Coefficients

60-Nd-147

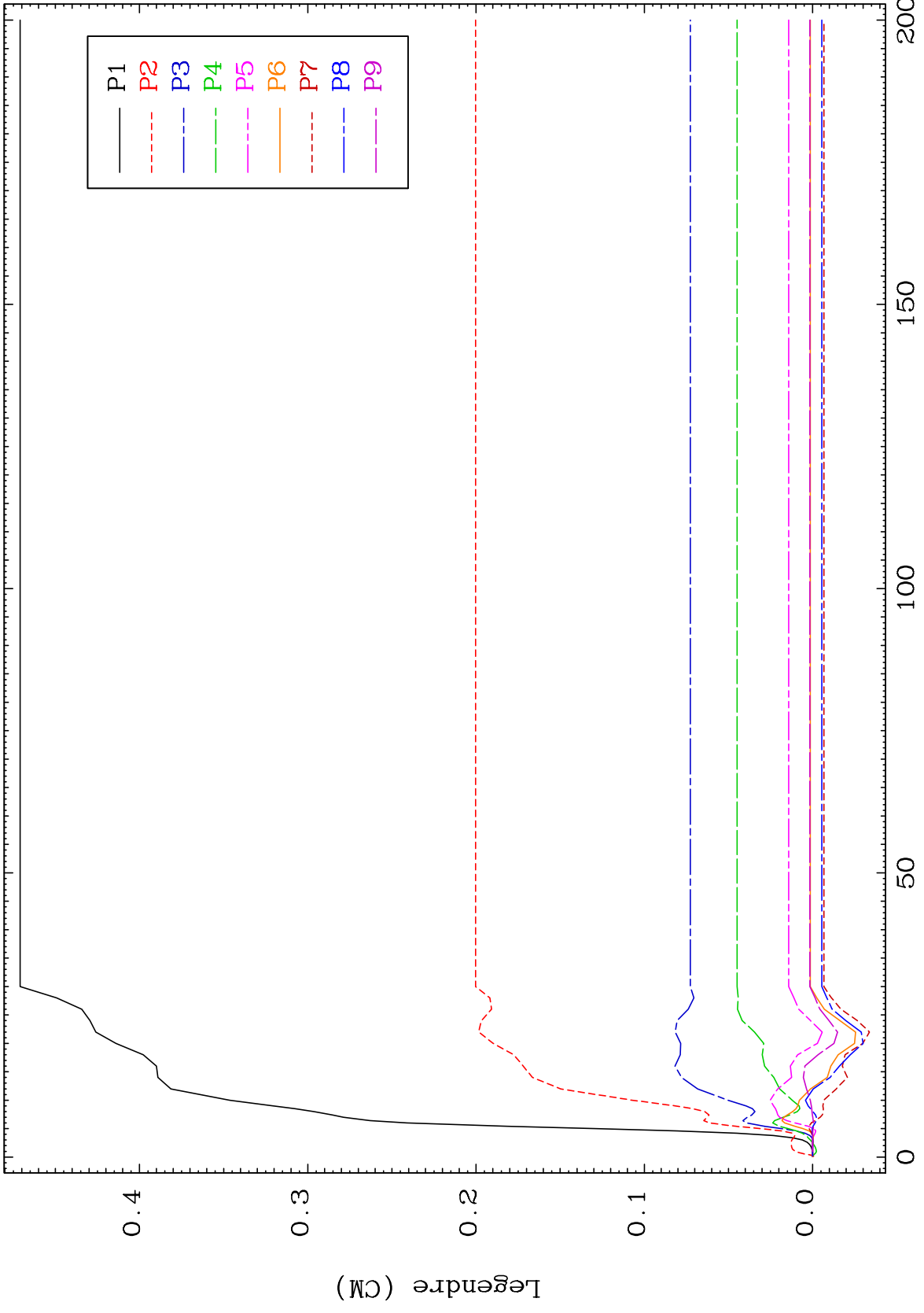


21

Incident Energy (MeV)

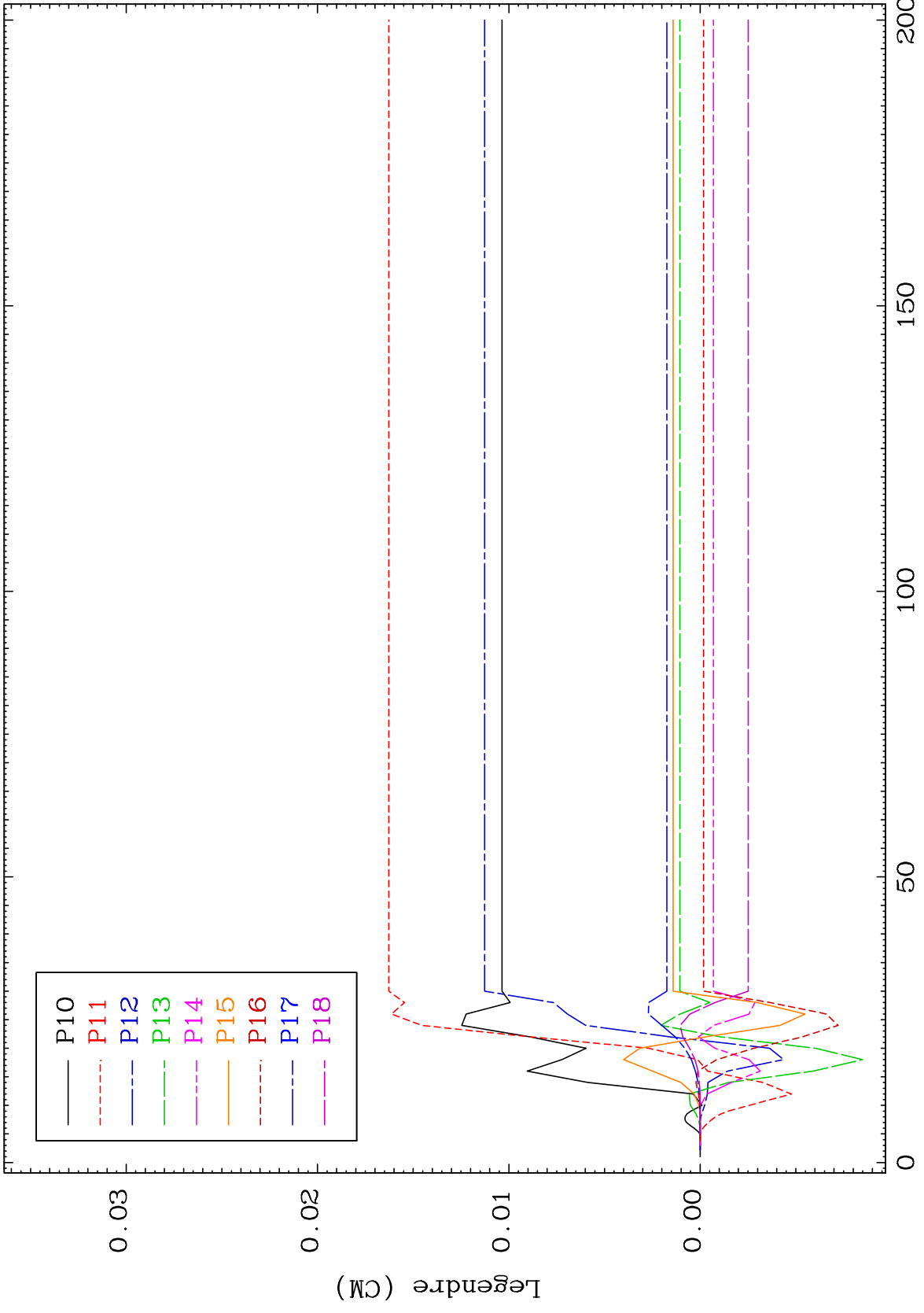
60-Nd-147

MAT 6040 MT= 51 (n,n') Level Legendre Coefficients 60-Nd-147



22 60-Nd-147

MAT 6040 MT= 51 (n,n') Level Legendre Coefficients 60-Nd-147

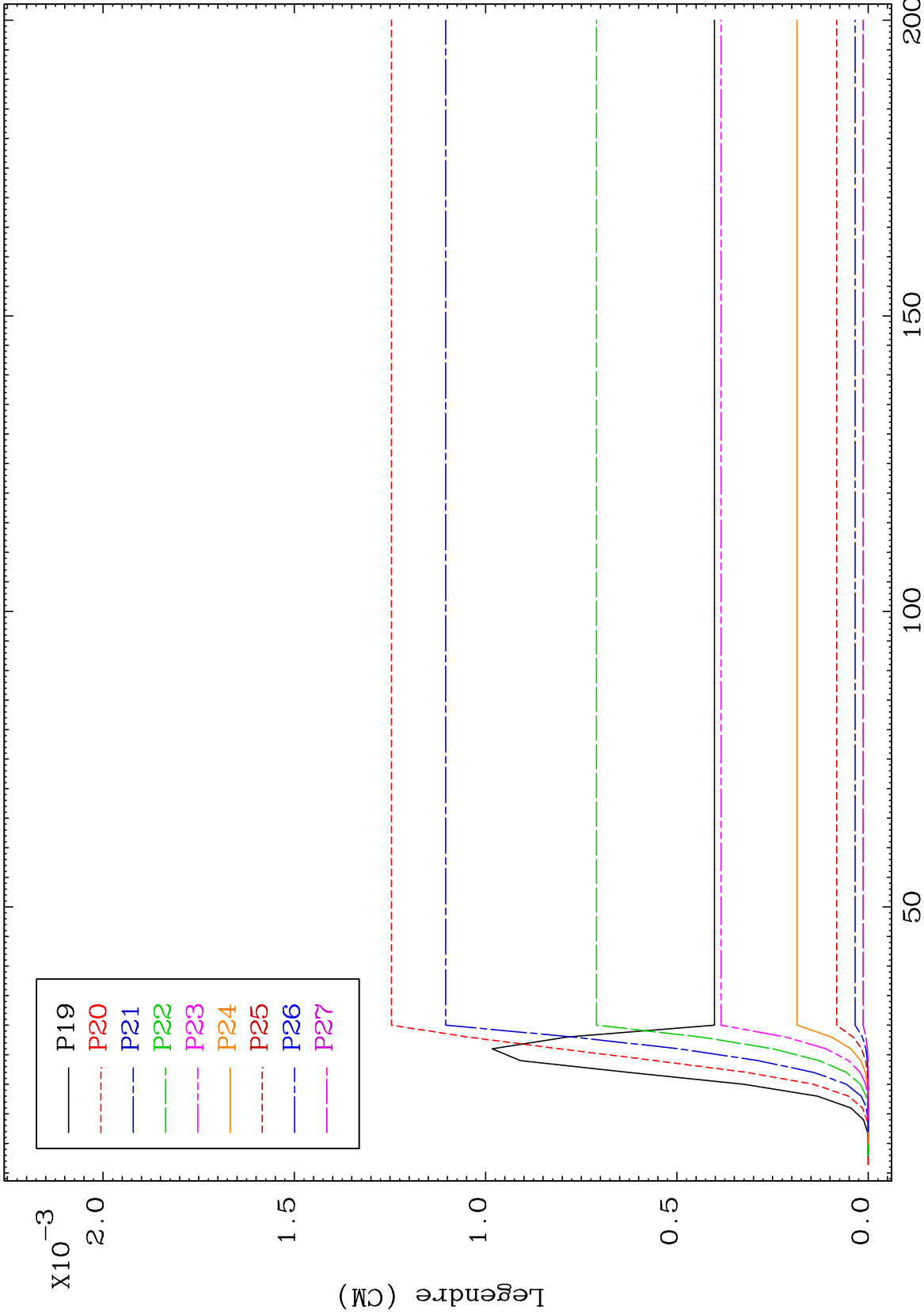


23 Incident Energy (MeV) 60-Nd-147

MAT 6040

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

60-Nd-147



24

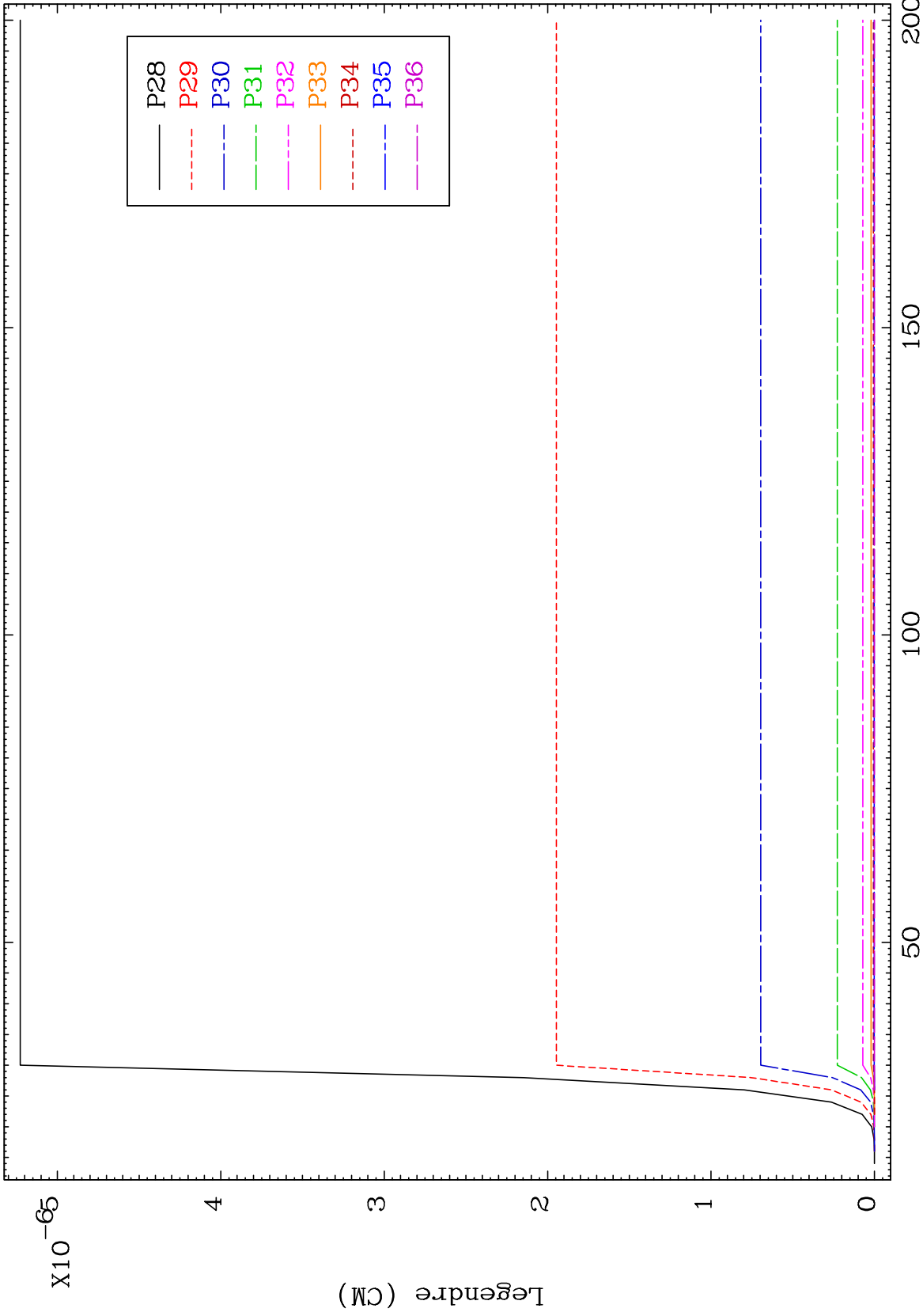
Incident Energy (MeV)

60-Nd-147

MAT 6040

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

60-Nd-147

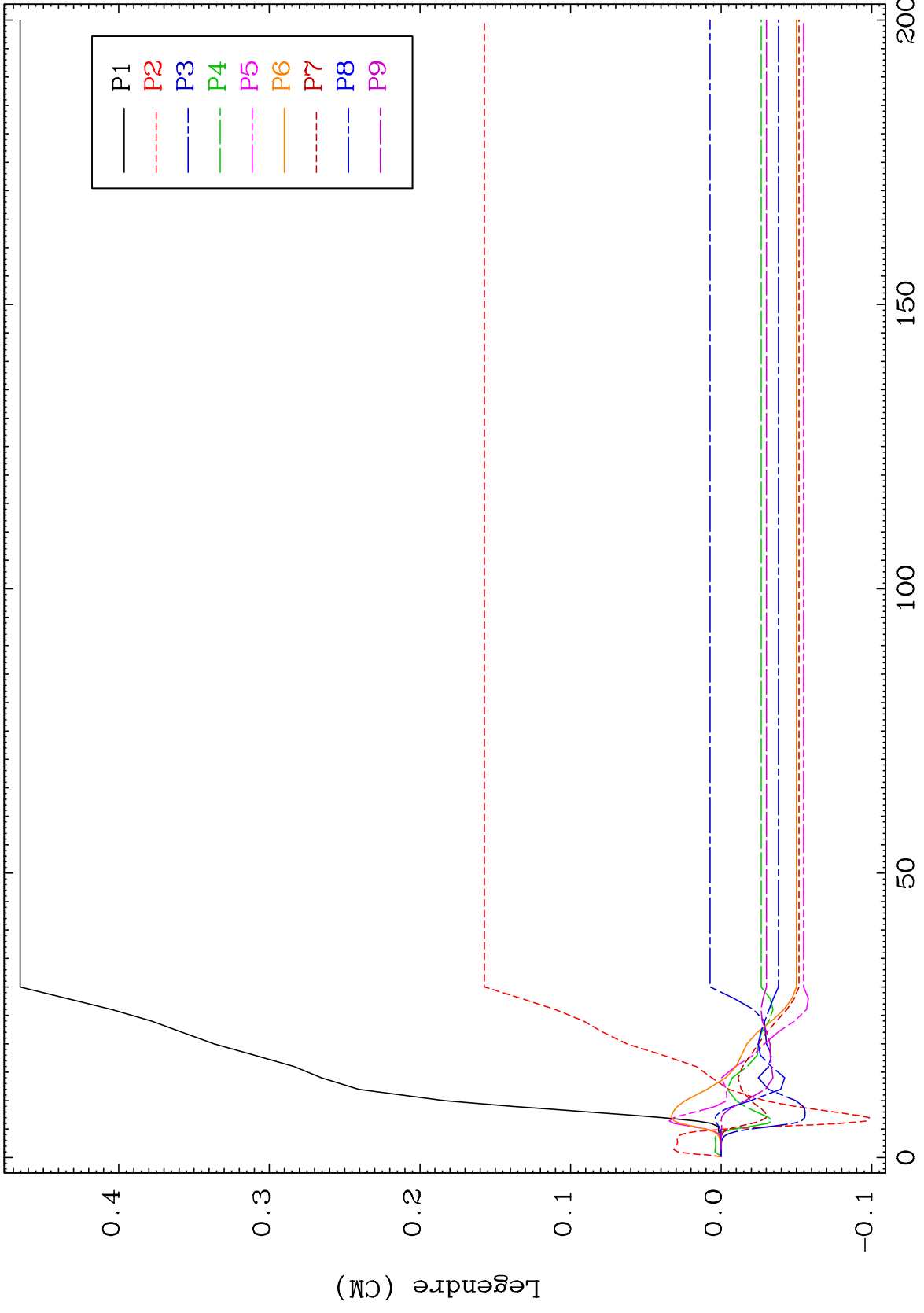


60-Nd-147

Incident Energy (MeV)

25

MAT 6040 MT= 52 (n,n') Level Legendre Coefficients 60-Nd-147

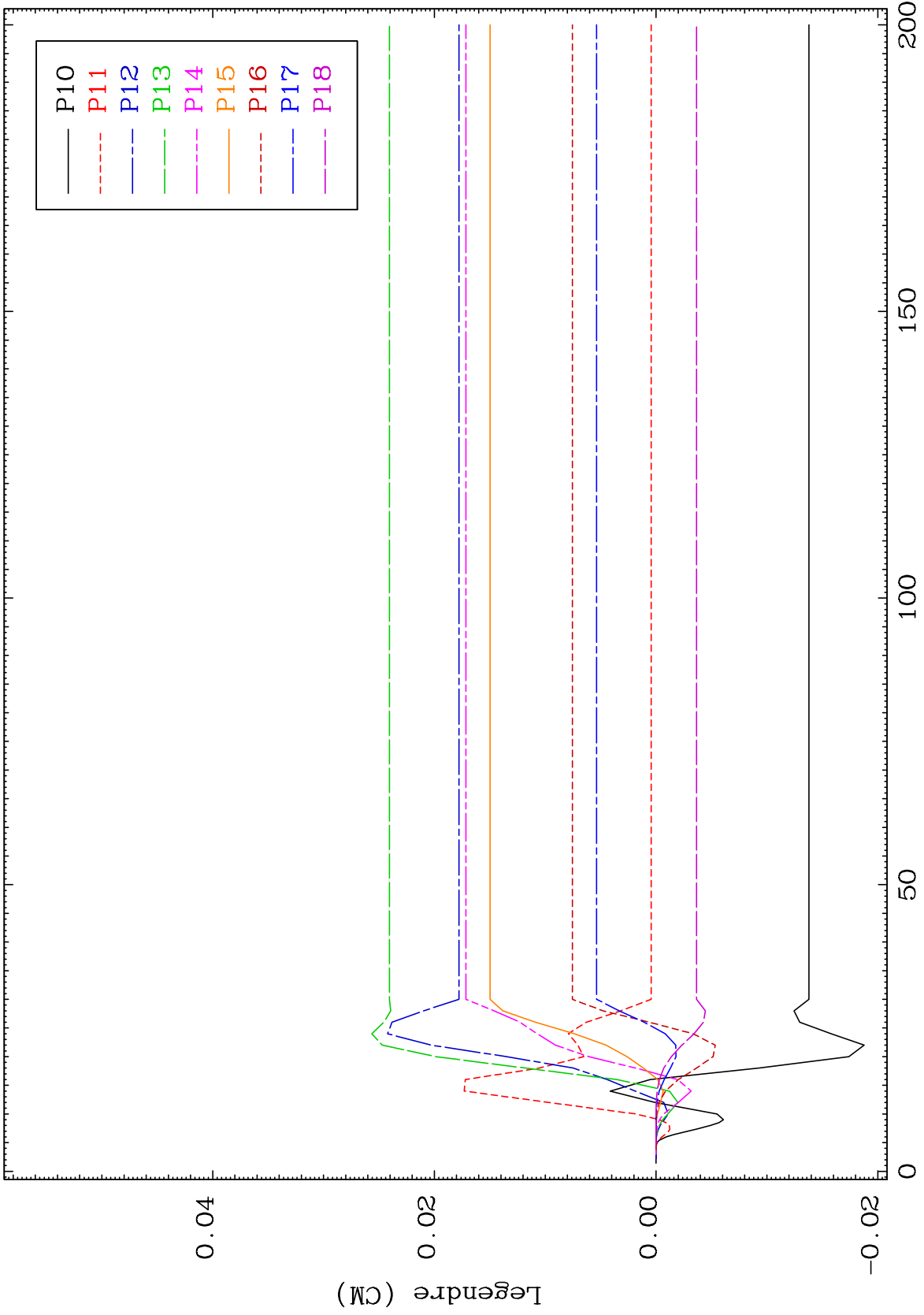


26 60-Nd-147

MAT 6040

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

60-Nd-147



27

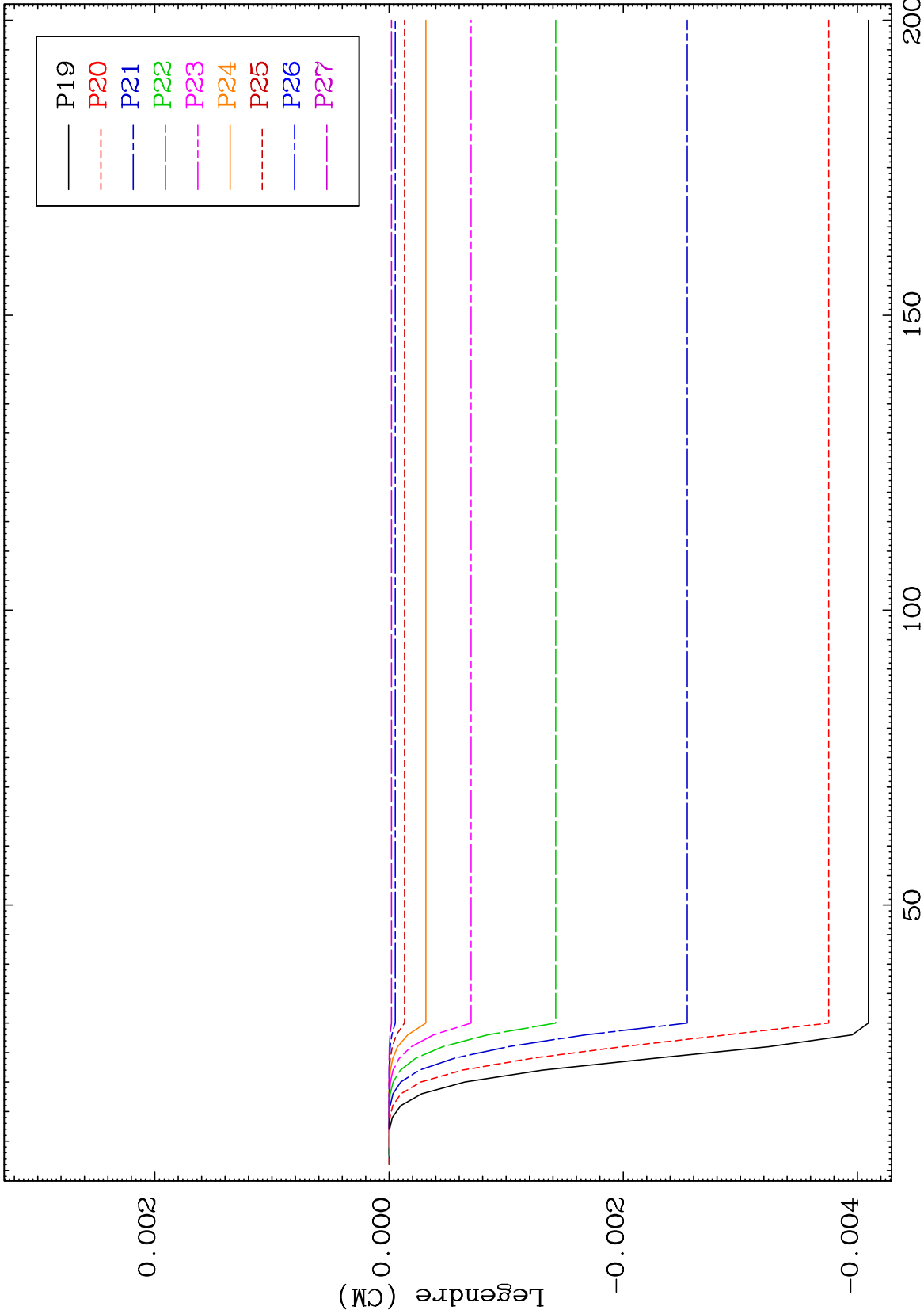
Incident Energy (MeV)

60-Nd-147

MAT 6040

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

60-Nd-147



28

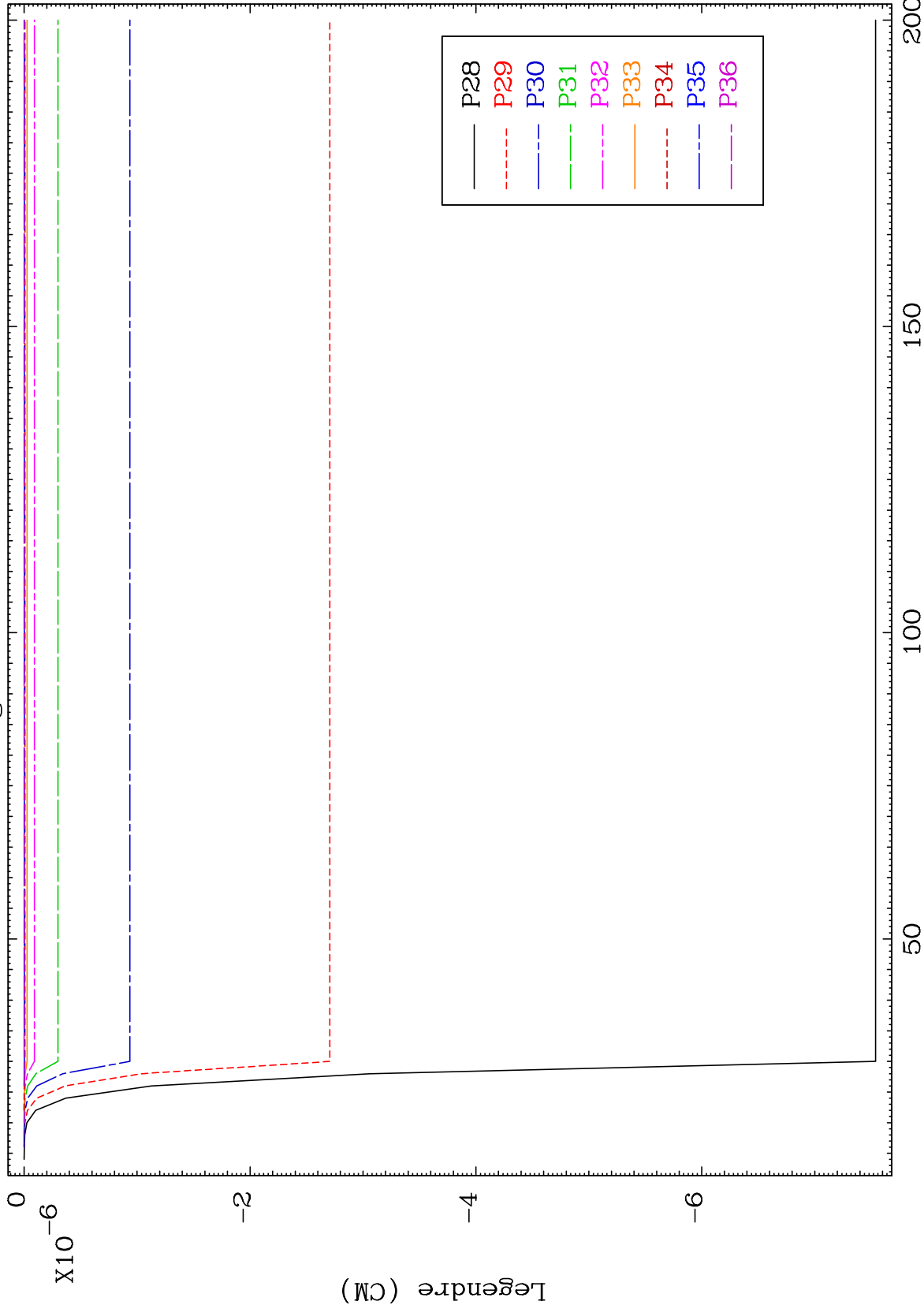
Incident Energy (MeV)

60-Nd-147

MAT 6040

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

60-Nd-147

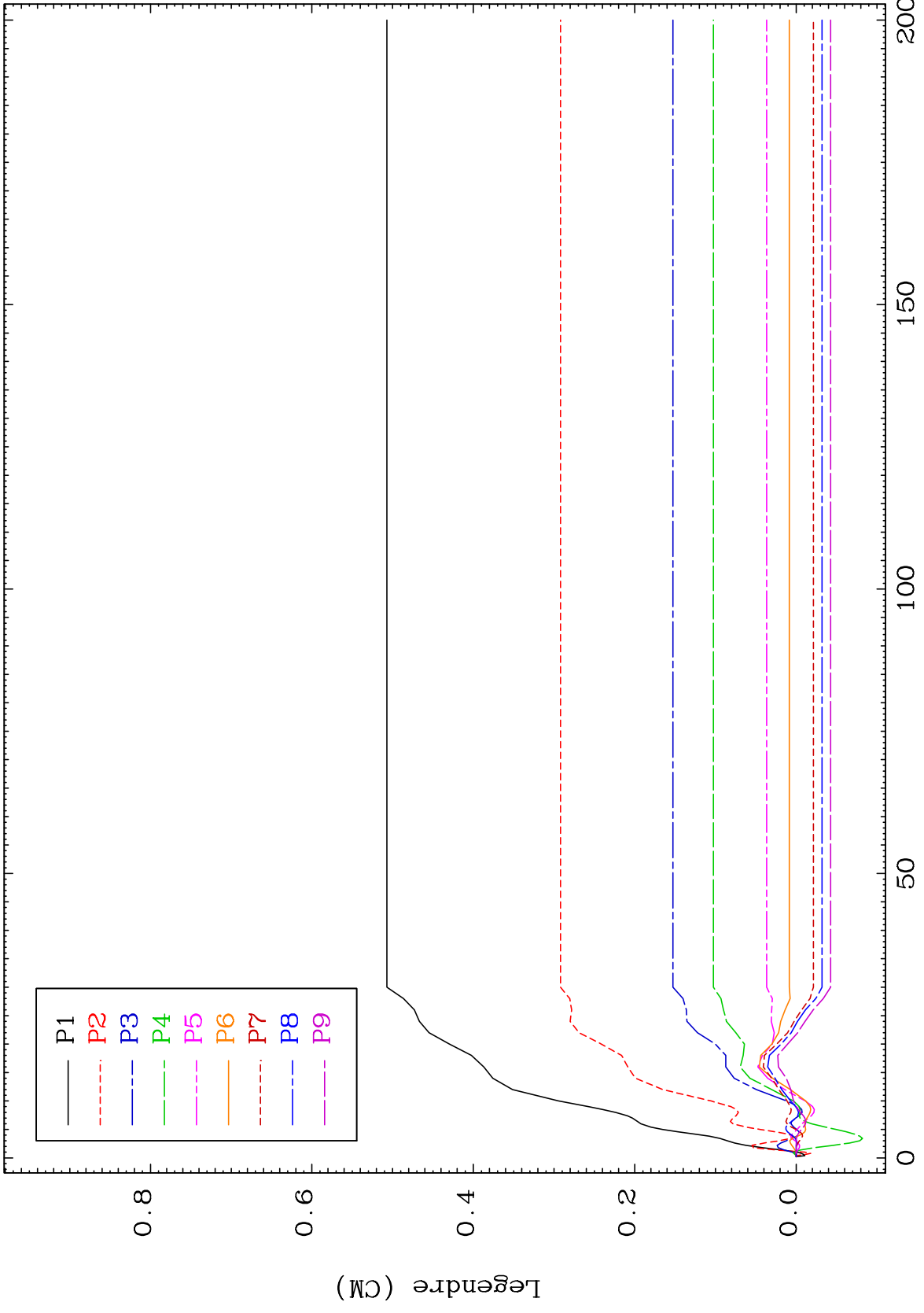


60-Nd-147

Incident Energy (MeV)

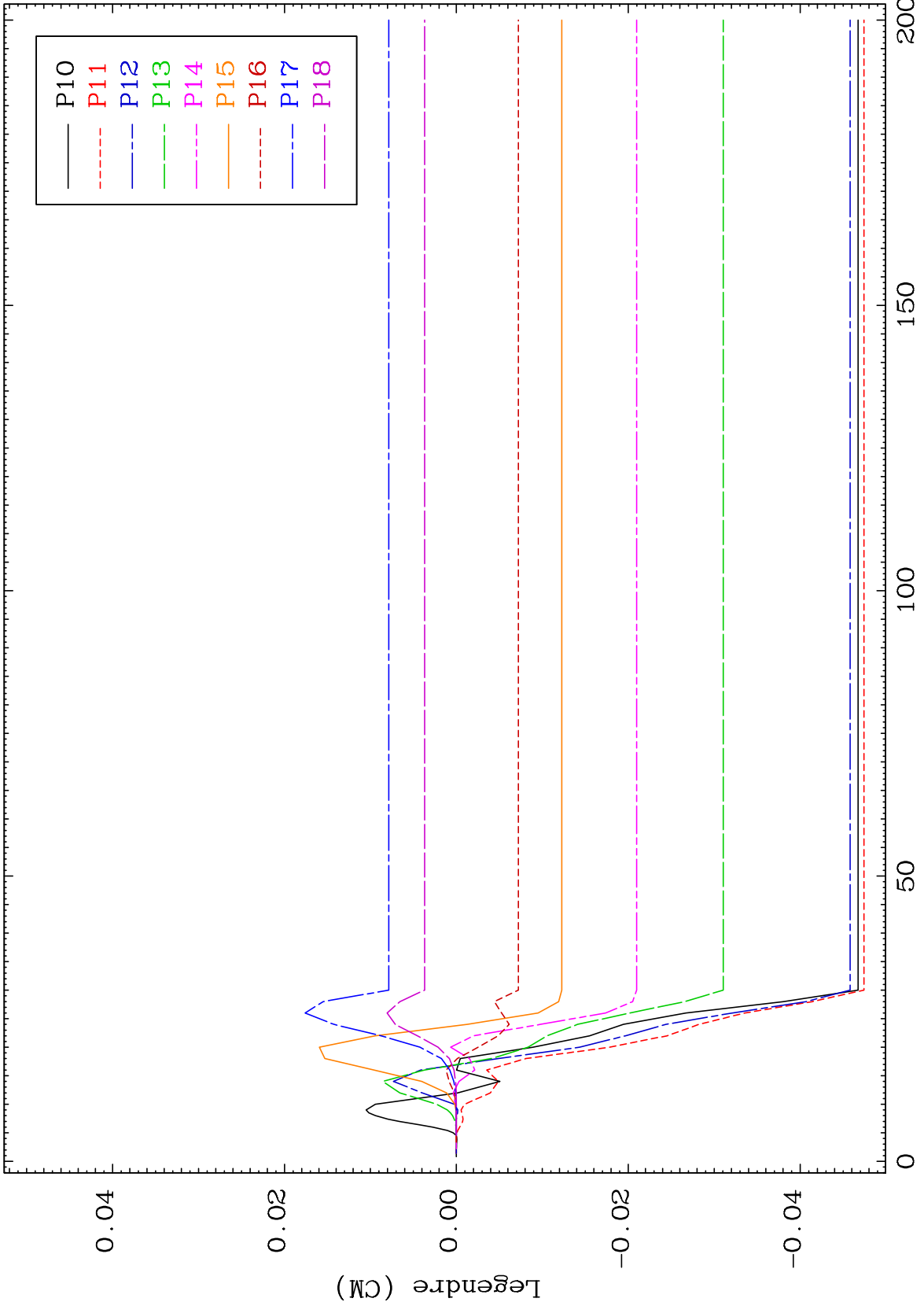
29

MAT 6040 MT= 53 (n,n') Level Legendre Coefficients 60-Nd-147



60-Nd-147 Incident Energy (MeV) 60-Nd-147

MAT 6040 MT= 53 (n,n') Level Legendre Coefficients 60-Nd-147

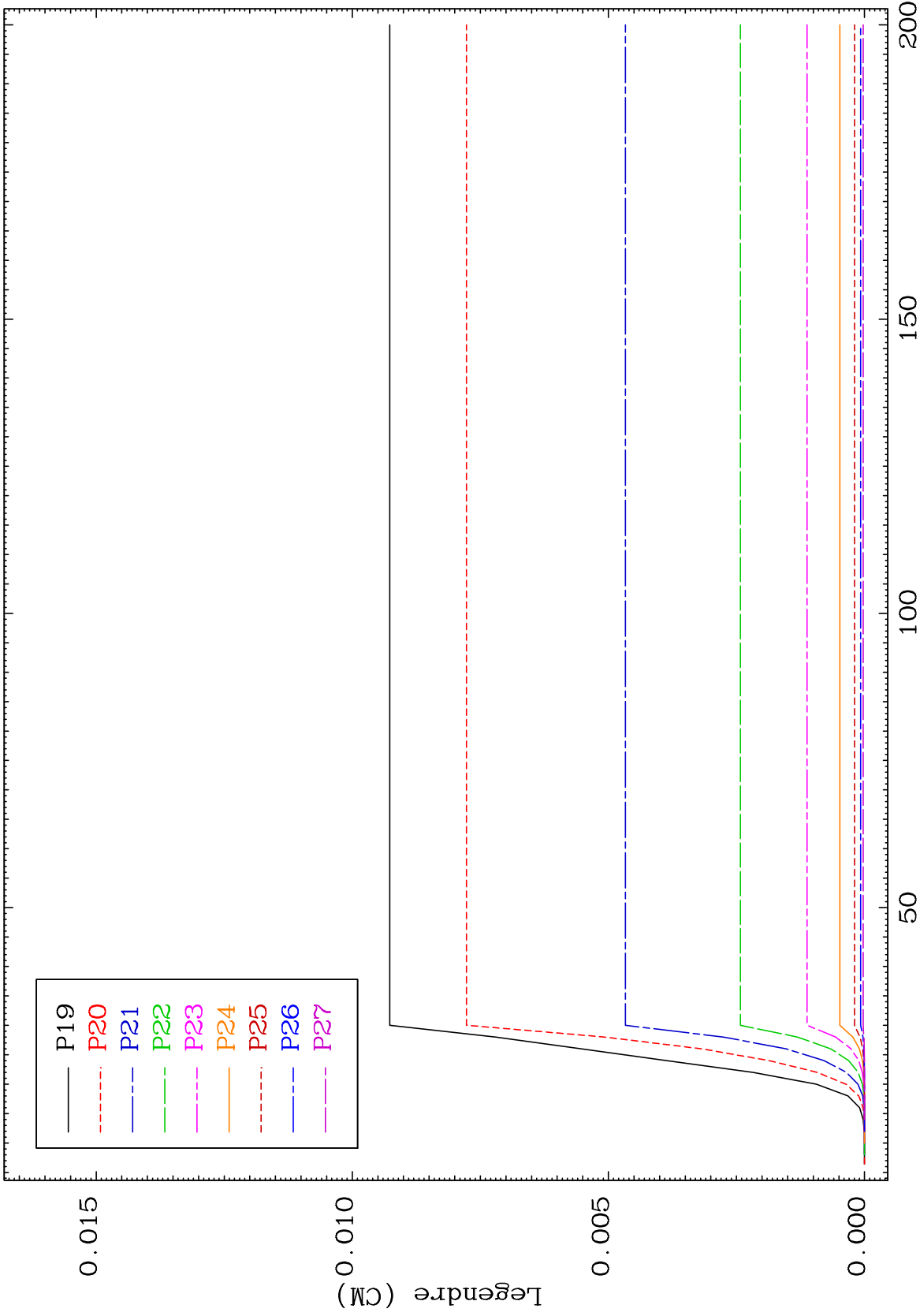


31 60-Nd-147

MAT 6040

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

60-Nd-147



32

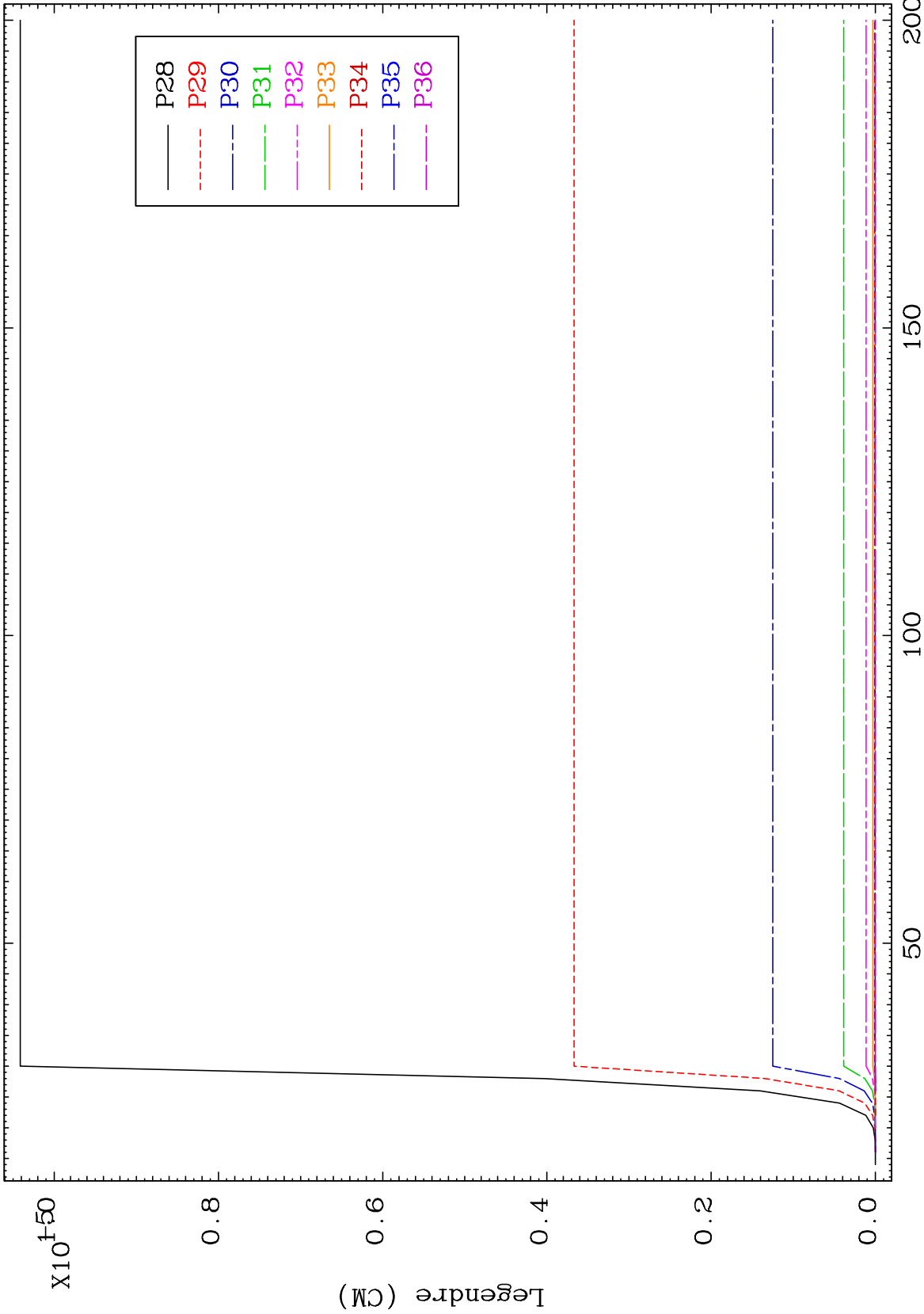
Incident Energy (MeV)

60-Nd-147

MAT 6040

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

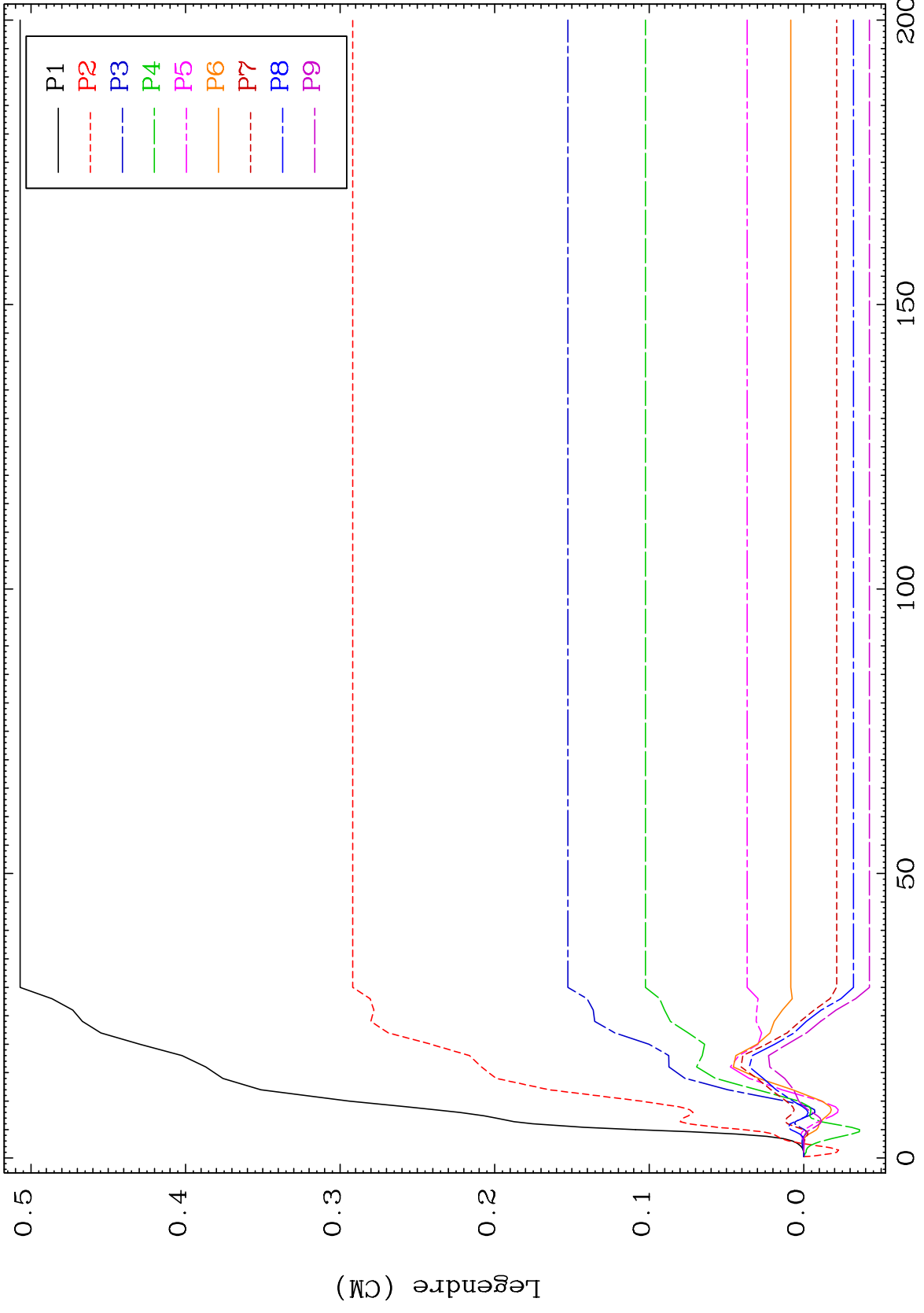
60-Nd-147



33

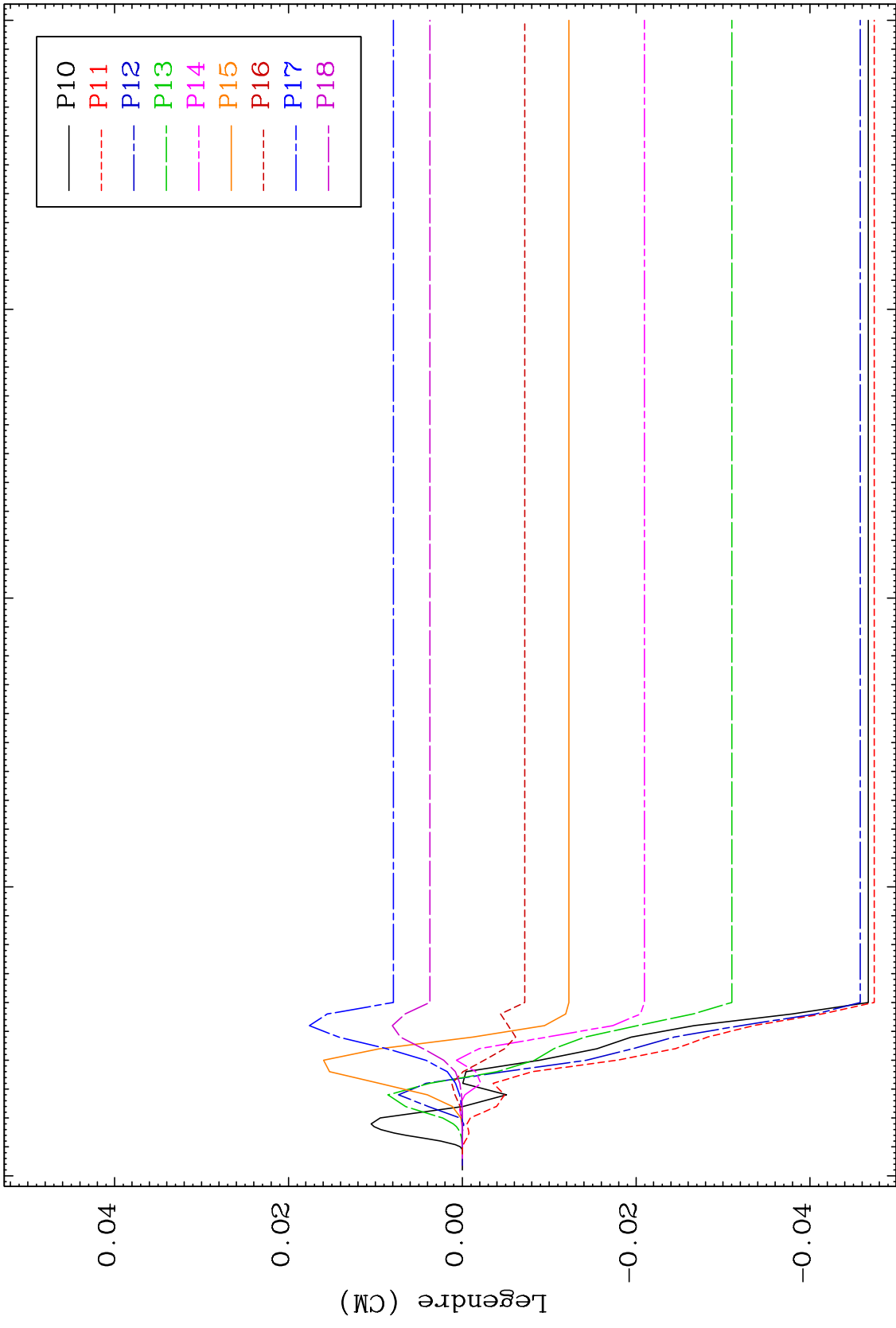
60-Nd-147

MAT 6040 MT= 54 (n,n') Level Legendre Coefficients 60-Nd-147



34 60-Nd-147

MAT 6040 MT= 54 (n,n') Level Legendre Coefficients 60-Nd-147

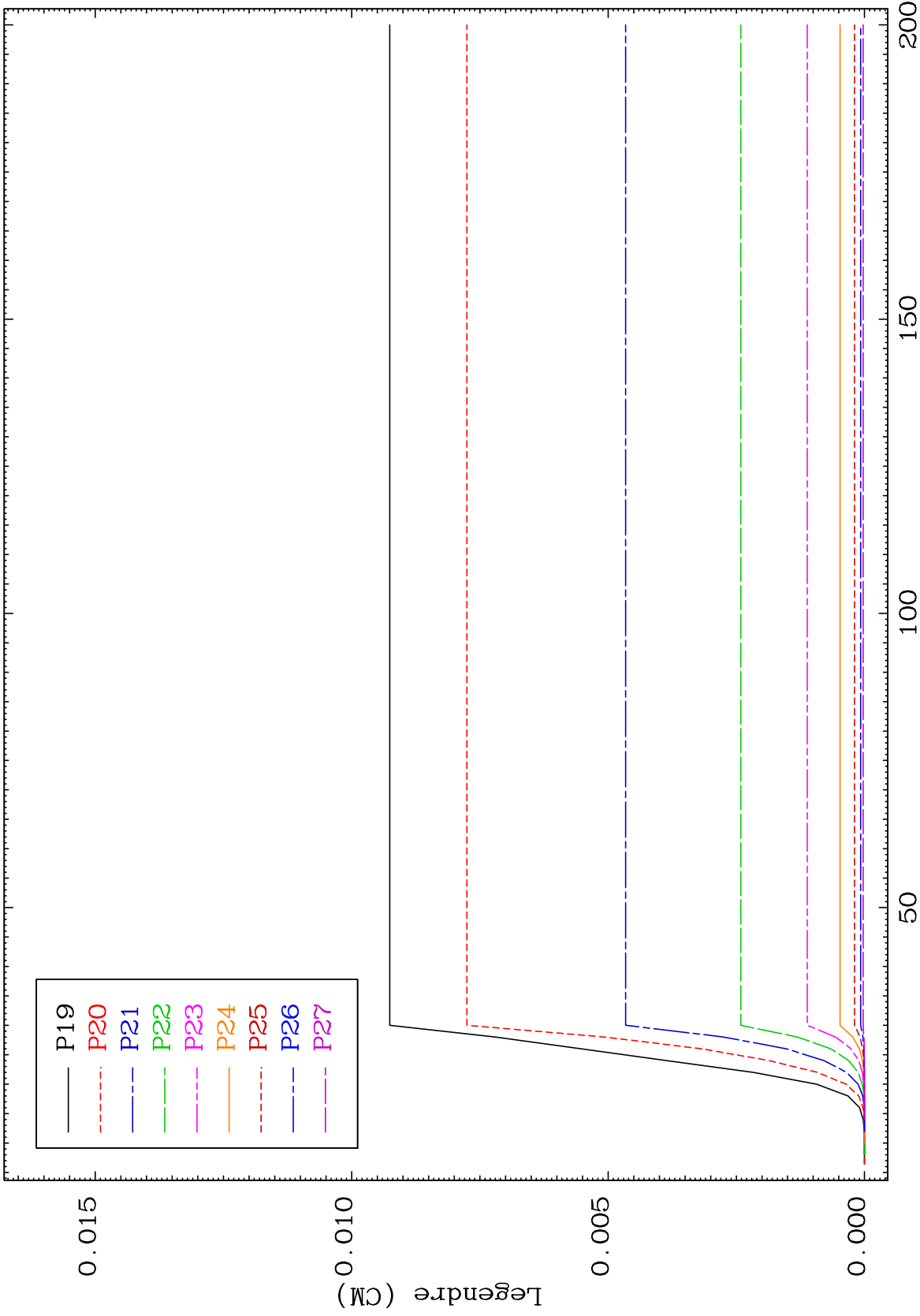


35 60-Nd-147

MAT 6040

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

60-Nd-147



36

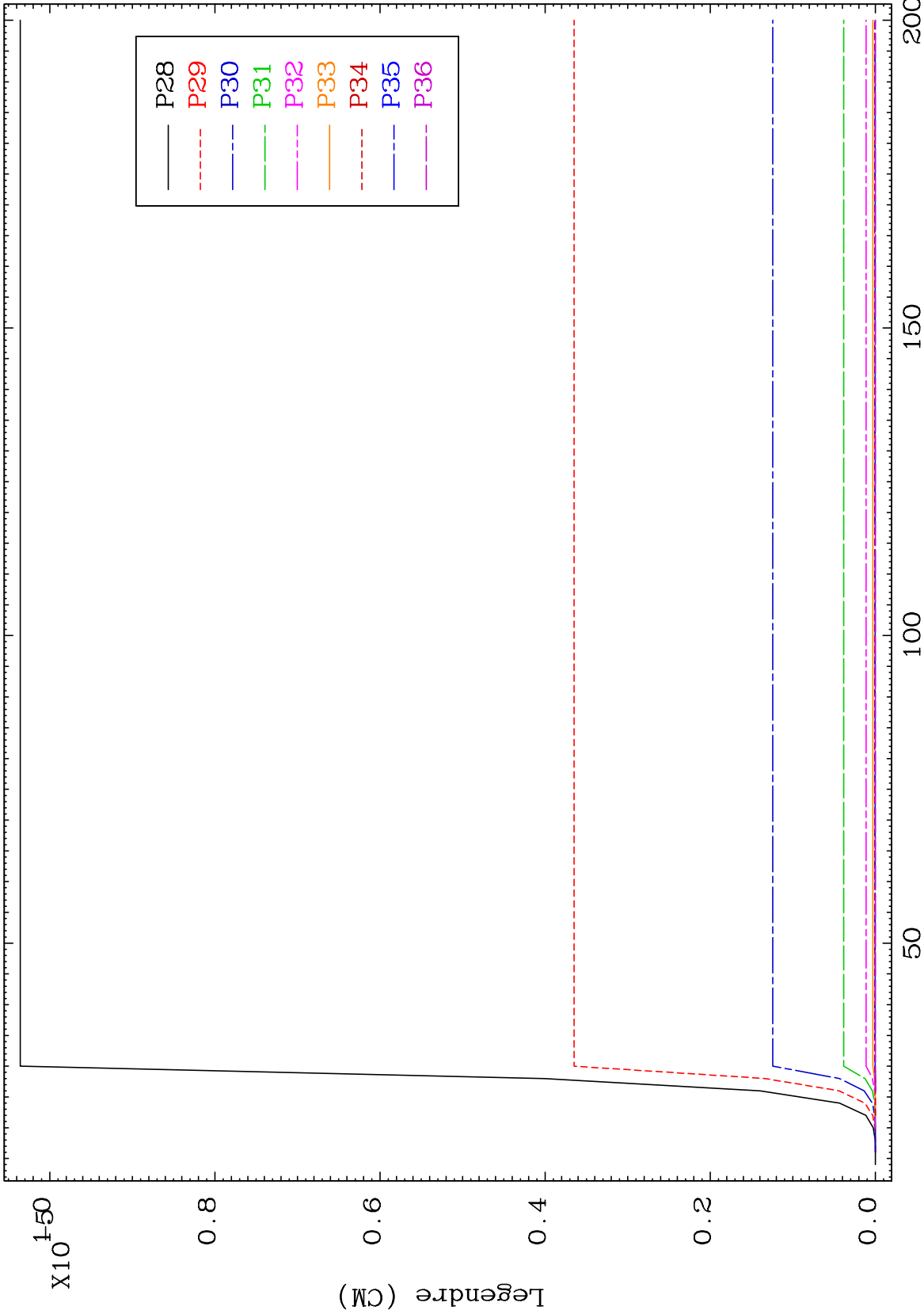
Incident Energy (MeV)

60-Nd-147

MAT 6040

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

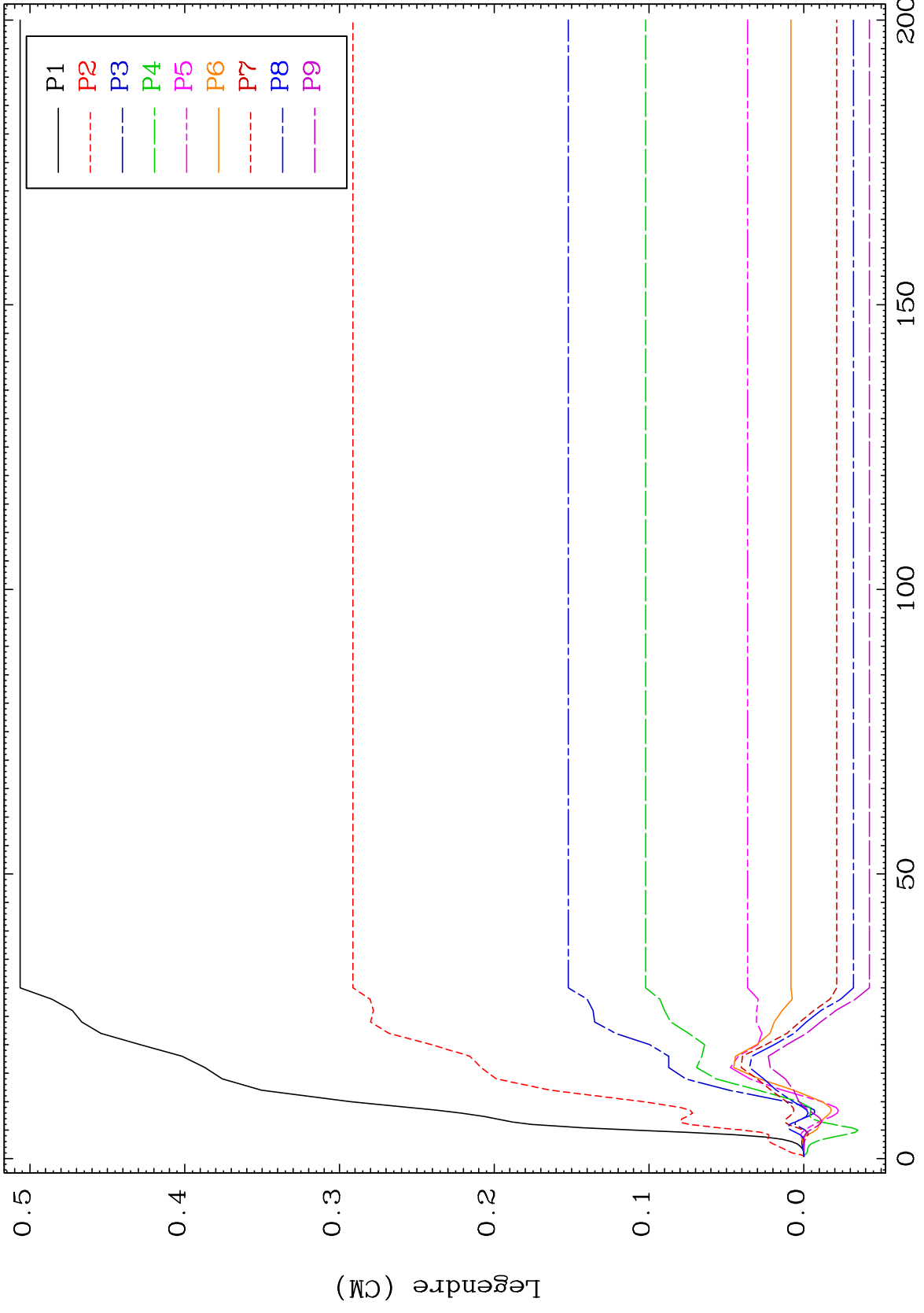
60-Nd-147



37

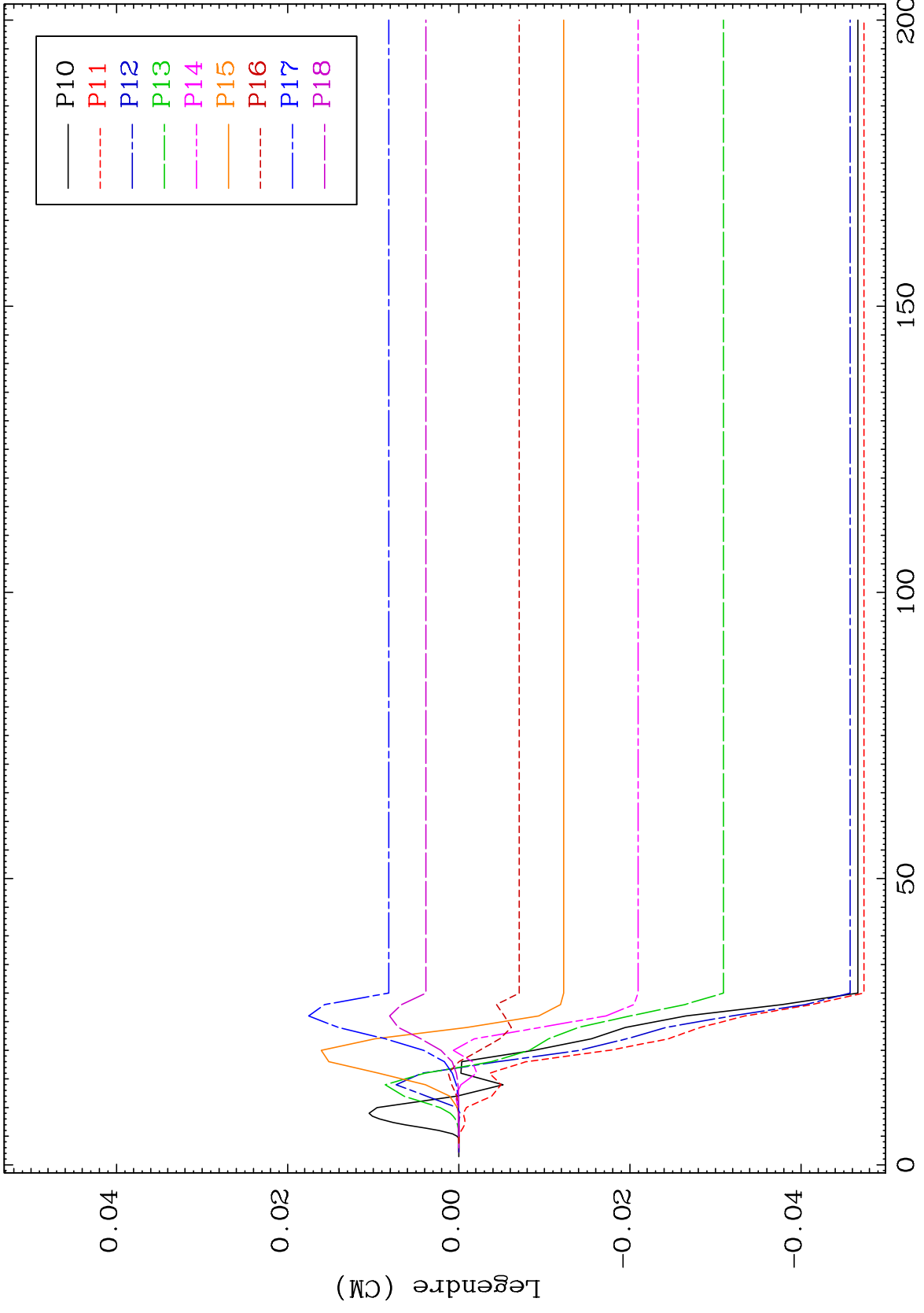
60-Nd-147

MAT 6040 MT= 55 (n,n') Level Legendre Coefficients 60-Nd-147



38 60-Nd-147

MAT 6040 MT= 55 (n,n') Level Legendre Coefficients 60-Nd-147

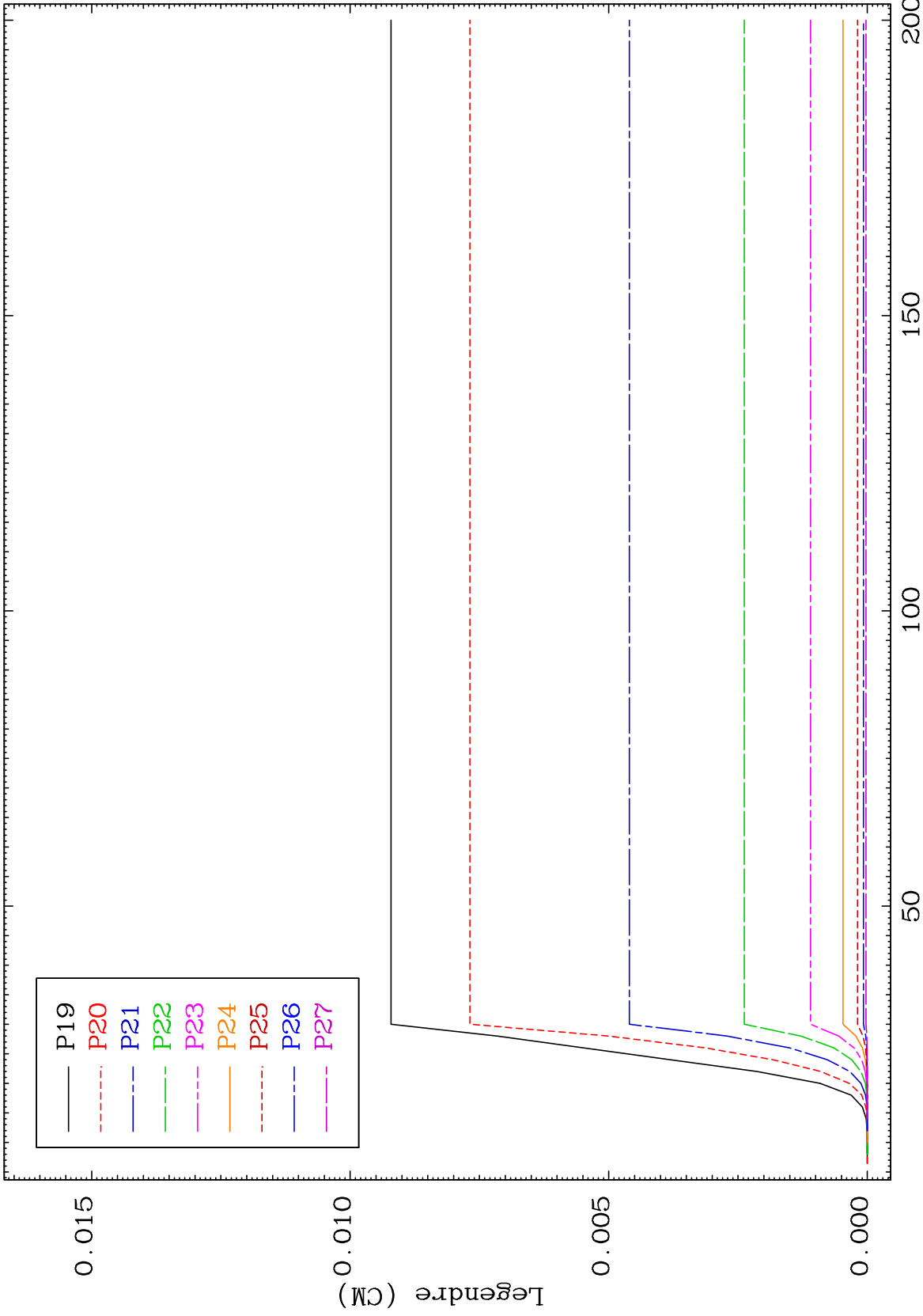


39 60-Nd-147

MAT 6040

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

60-Nd-147



40

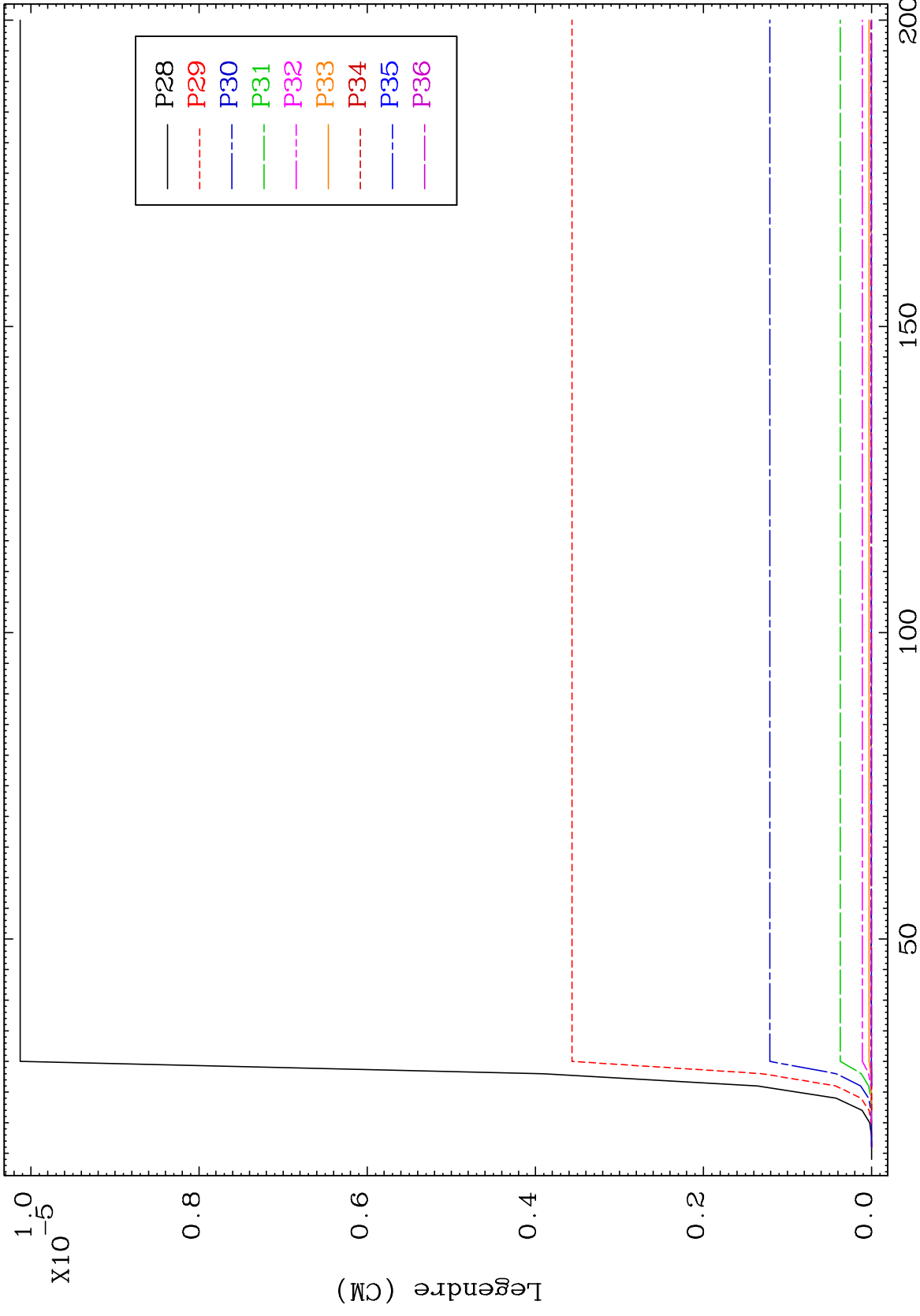
Incident Energy (MeV)

60-Nd-147

MAT 6040

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

60-Nd-147

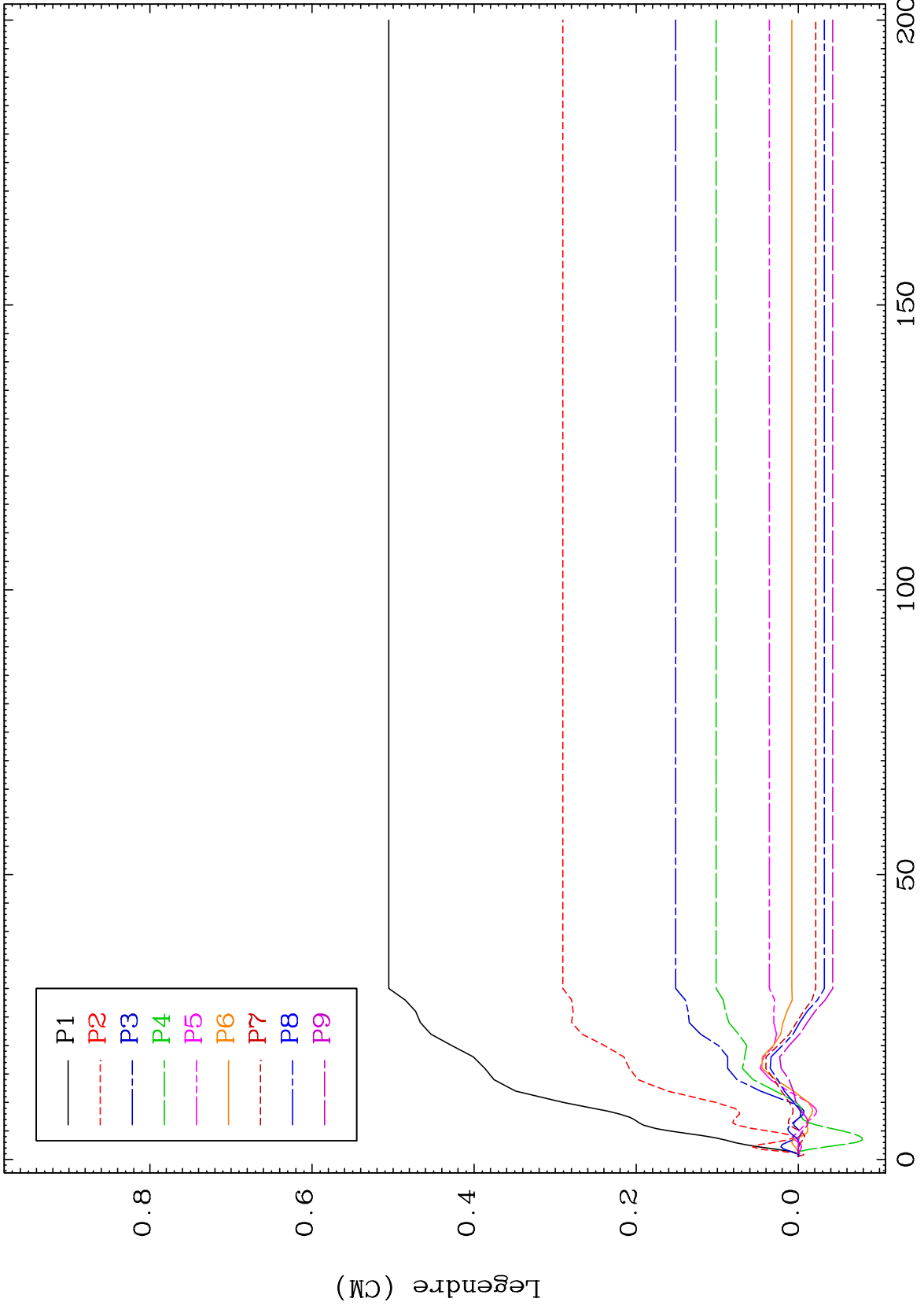


41

Incident Energy (MeV)

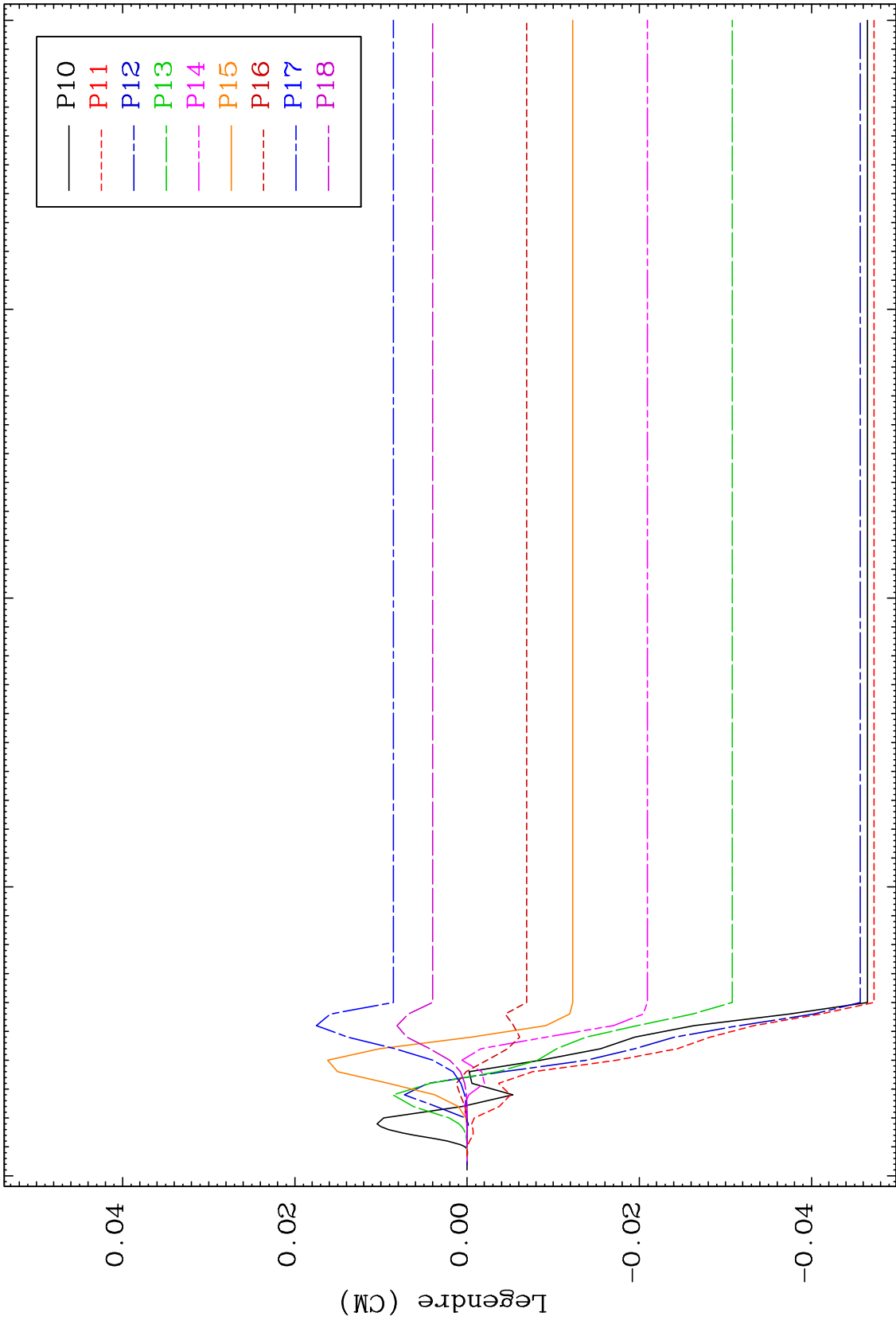
60-Nd-147

MAT 6040 MT= 56 (n,n') Level Legendre Coefficients 60-Nd-147



42 60-Nd-147

MAT 6040 MT= 56 (n,n') Level Legendre Coefficients 60-Nd-147

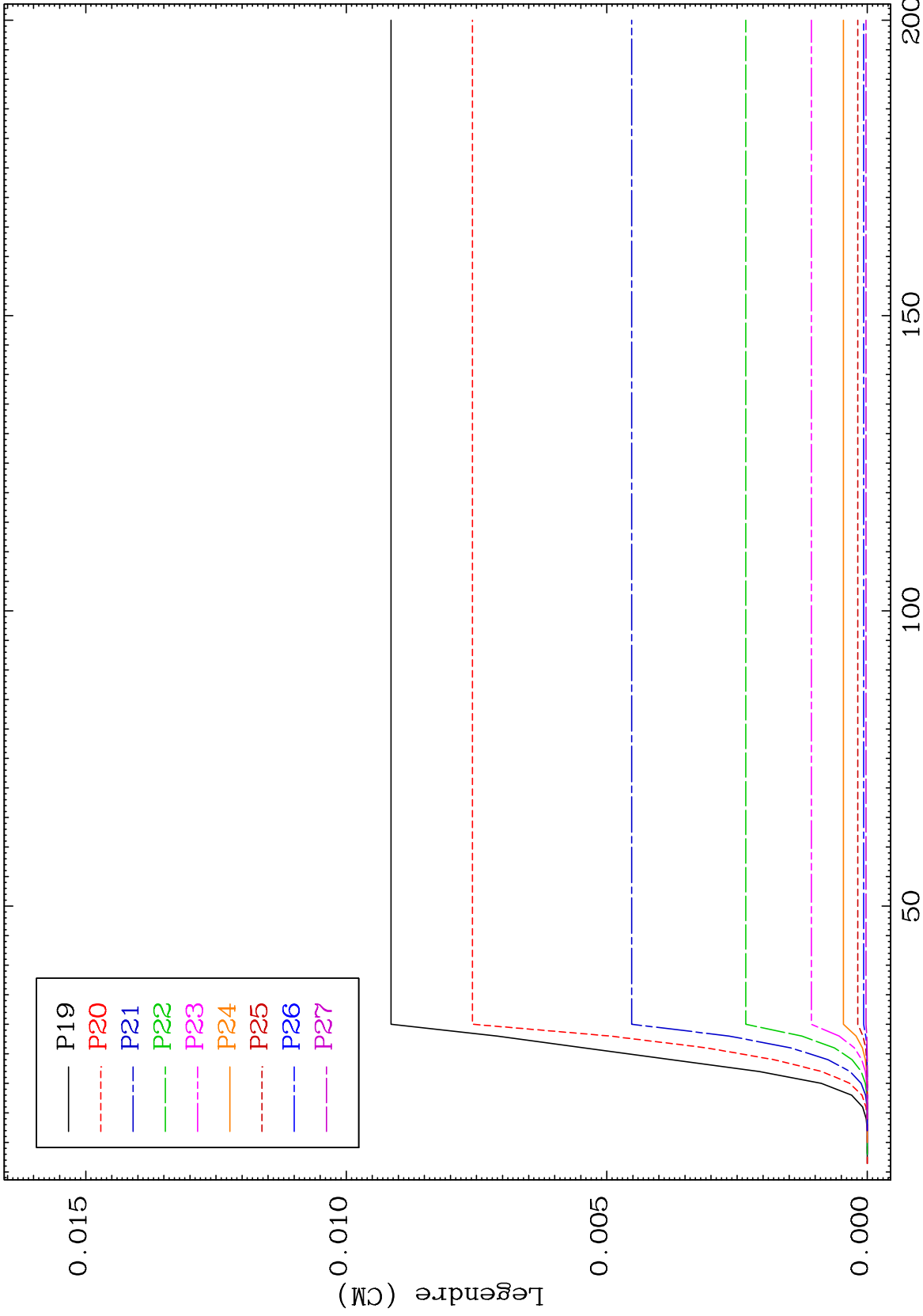


43 60-Nd-147

MAT 6040

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

60-Nd-147

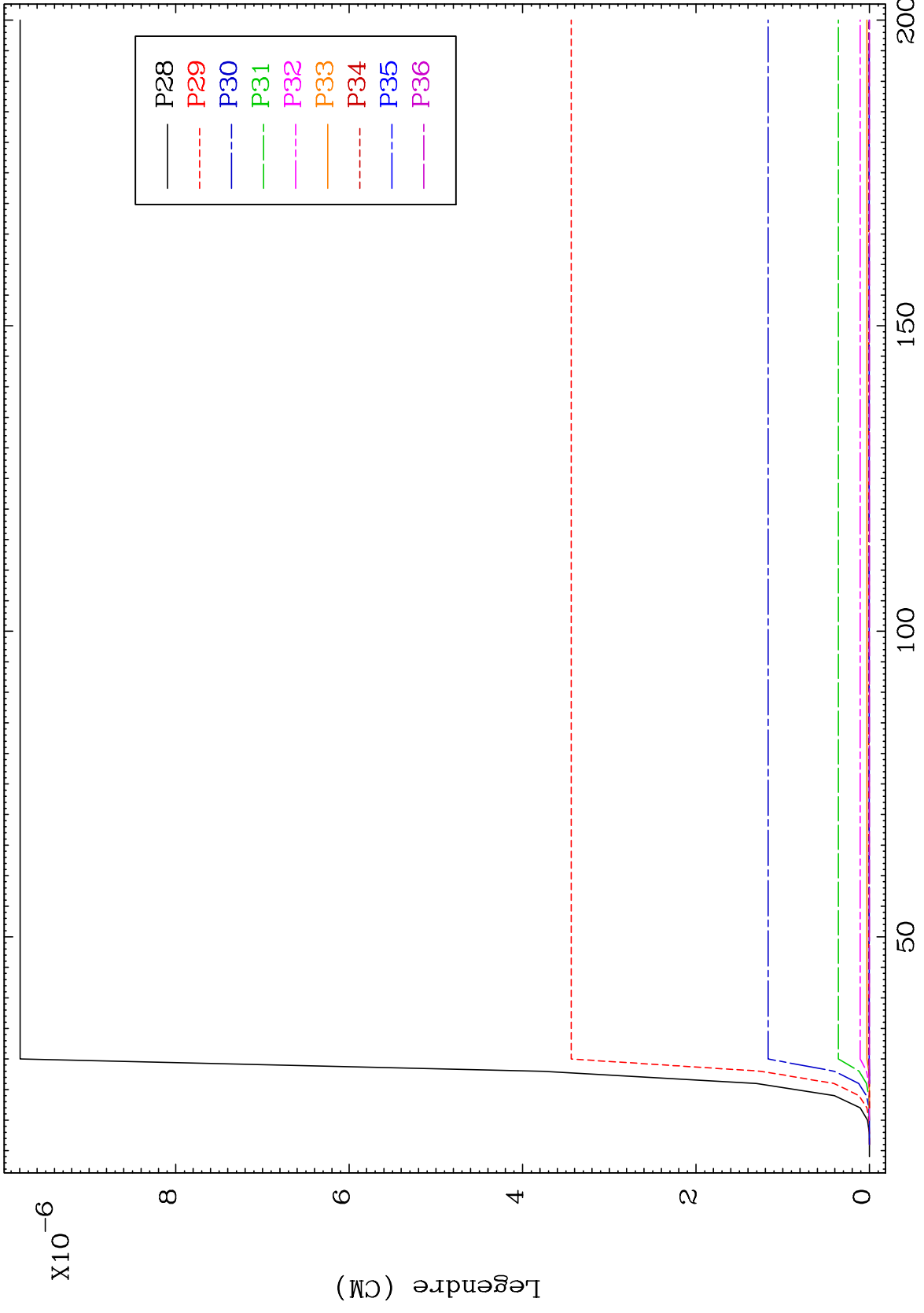


44

Incident Energy (MeV)

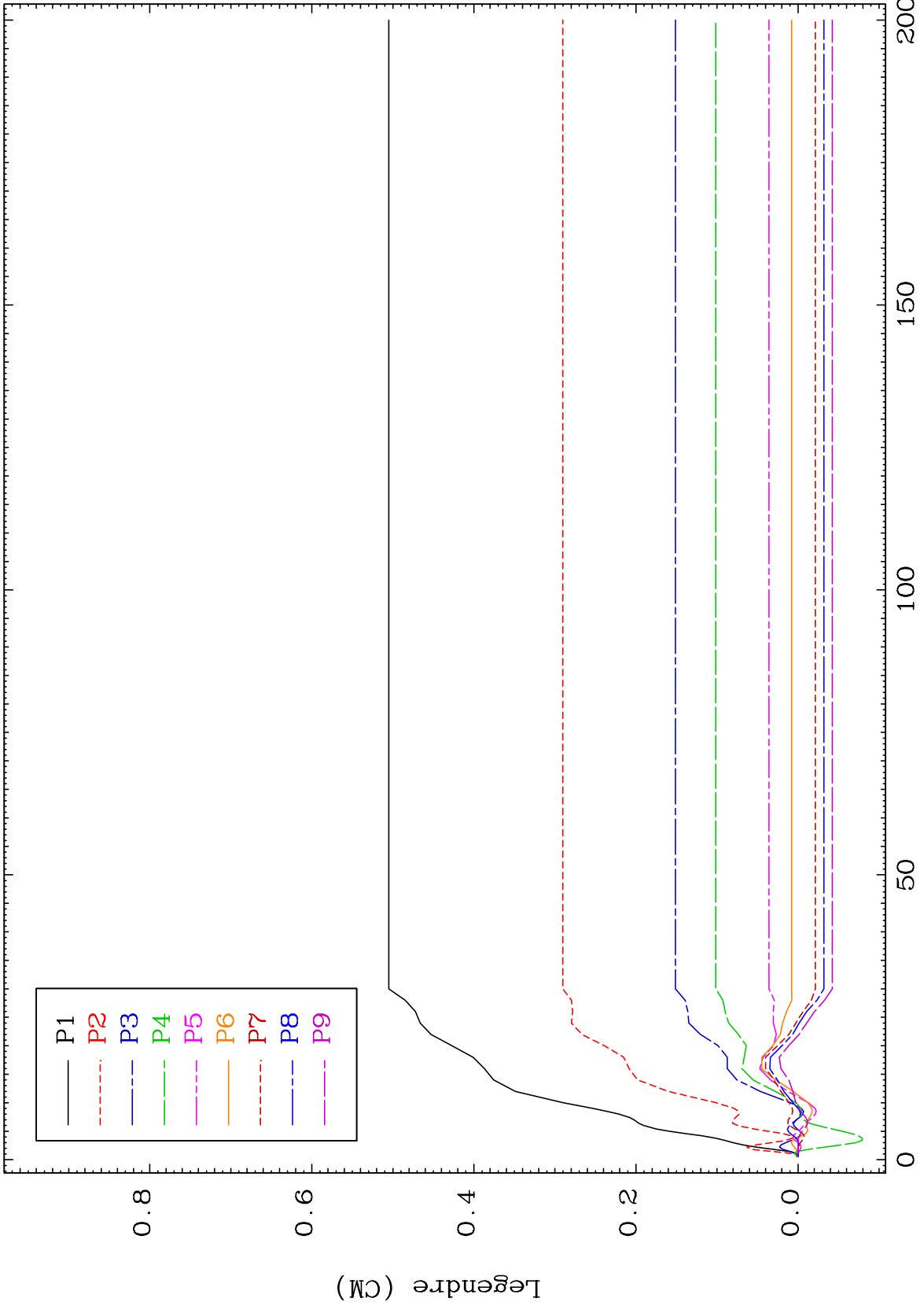
60-Nd-147

MAT 6040 MT= 56 (n,n') Level Legendre Coefficients 60-Nd-147



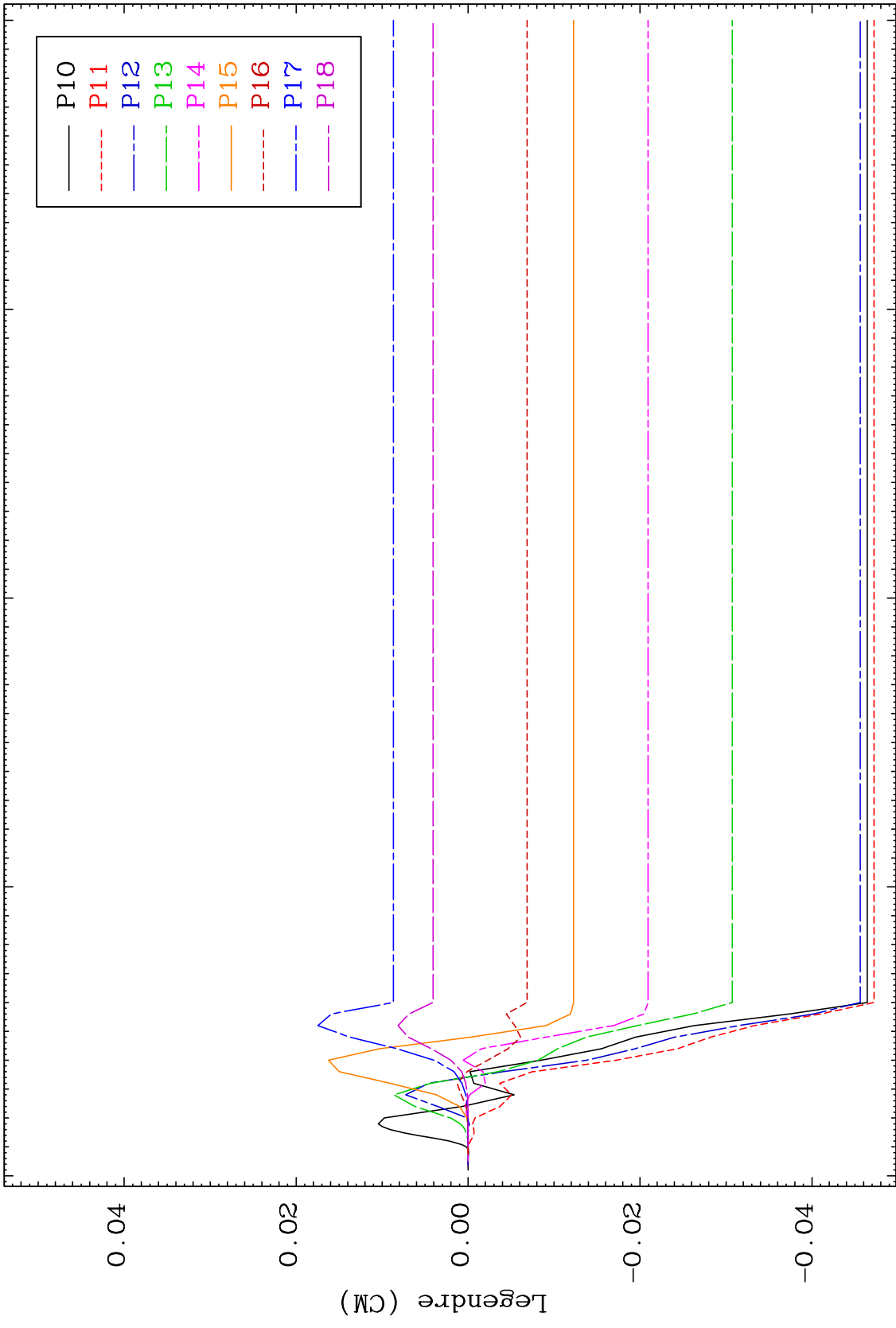
45 50 100 150 200 60-Nd-147

MAT 6040 MT= 57 (n,n') Level Legendre Coefficients 60-Nd-147



46 60-Nd-147

MAT 6040 MT= 57 (n,n') Level Legendre Coefficients 60-Nd-147

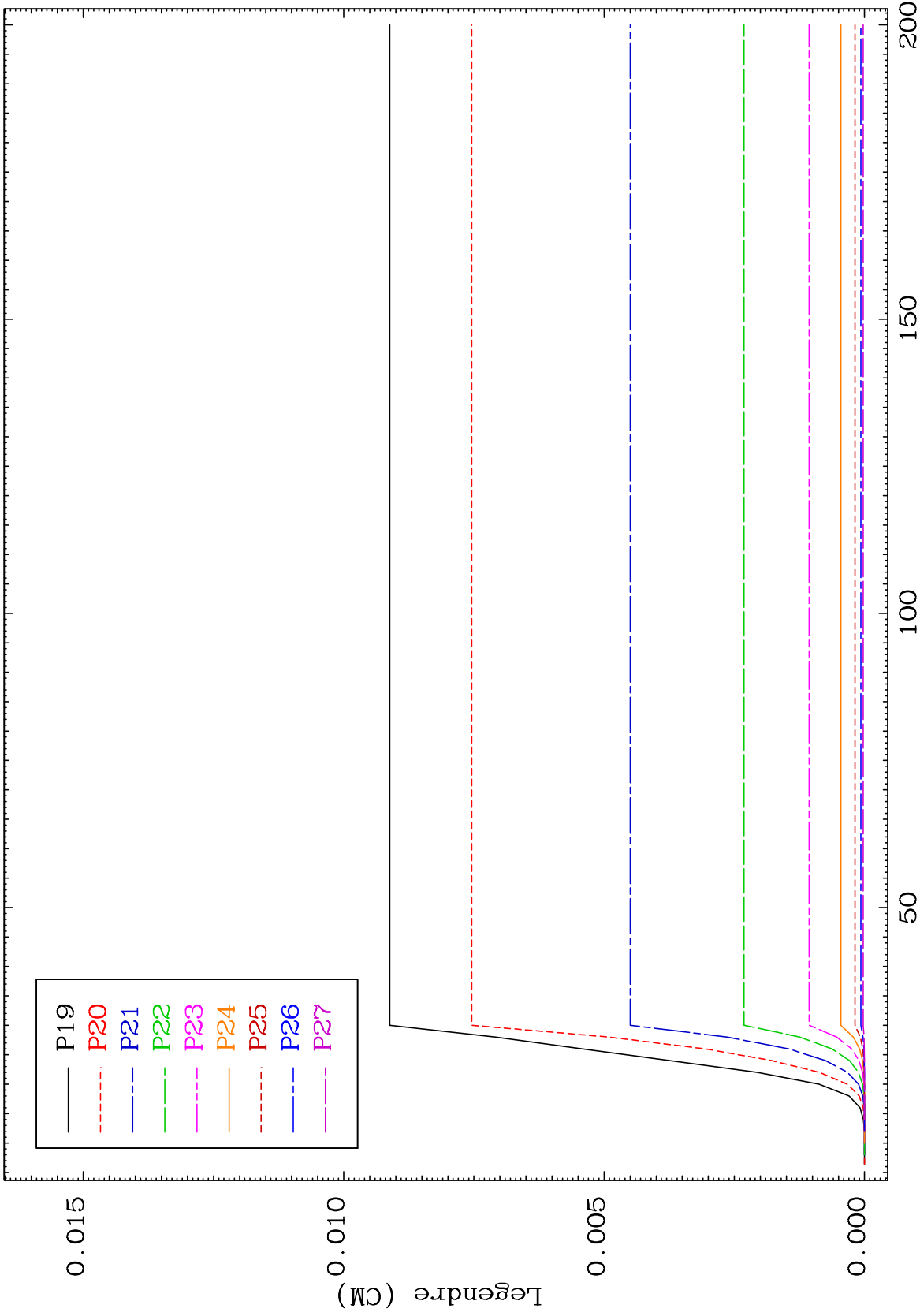


47 60-Nd-147

MAT 6040

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

60-Nd-147



48

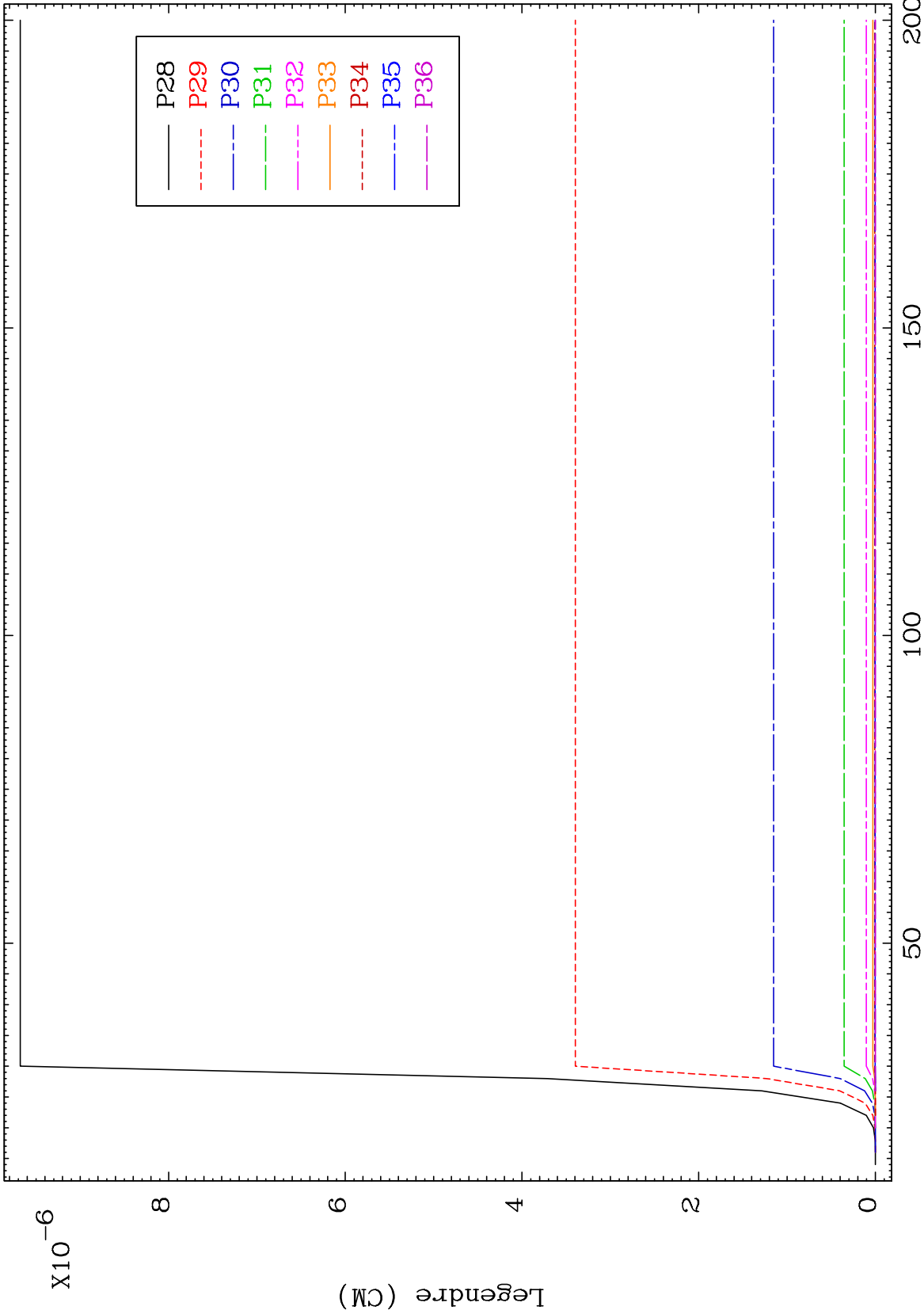
Incident Energy (MeV)

60-Nd-147

MAT 6040

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

60-Nd-147



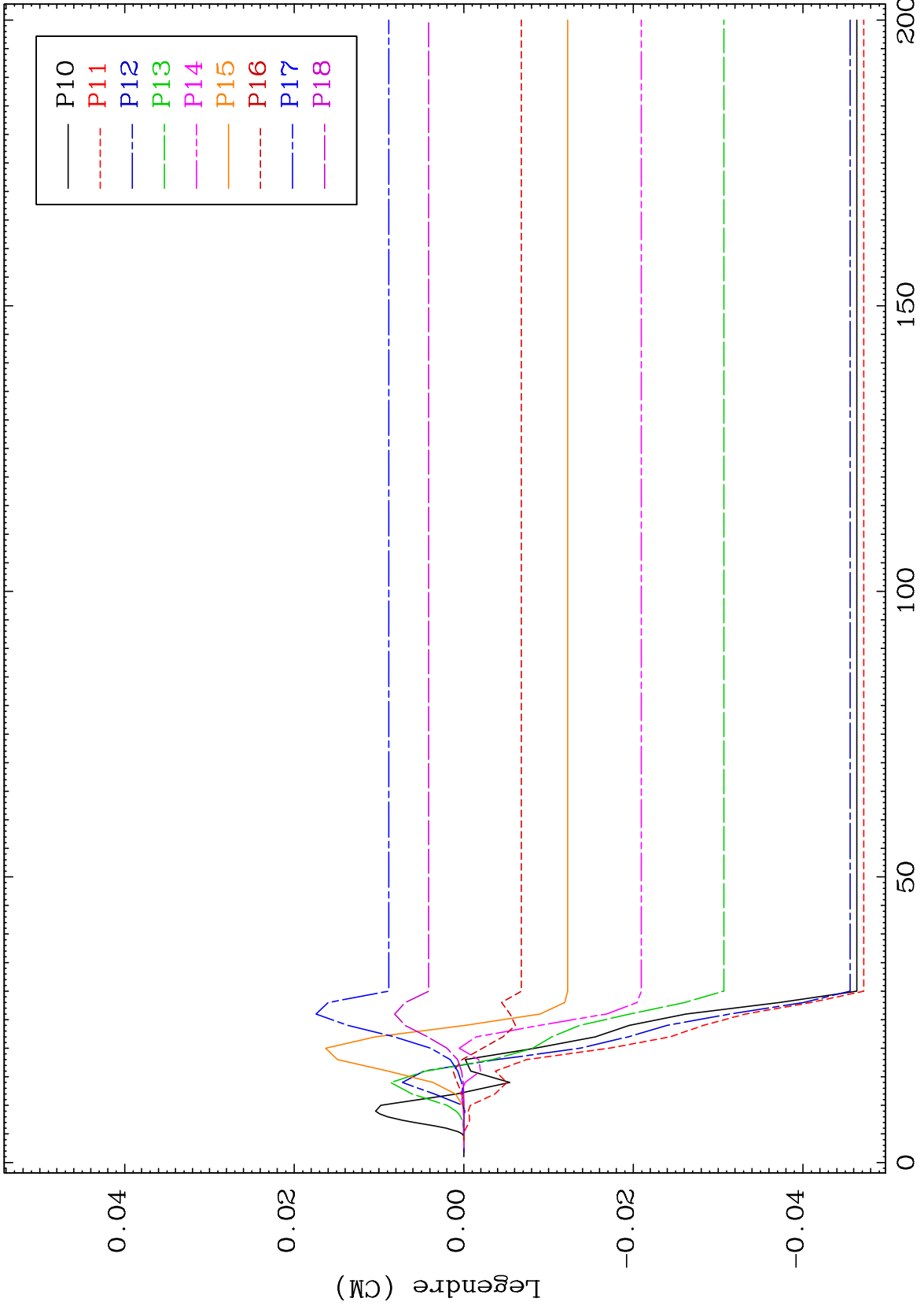
49

Incident Energy (MeV)

60-Nd-147



MAT 6040 MT= 58 (n,n') Level Legendre Coefficients 60-Nd-147

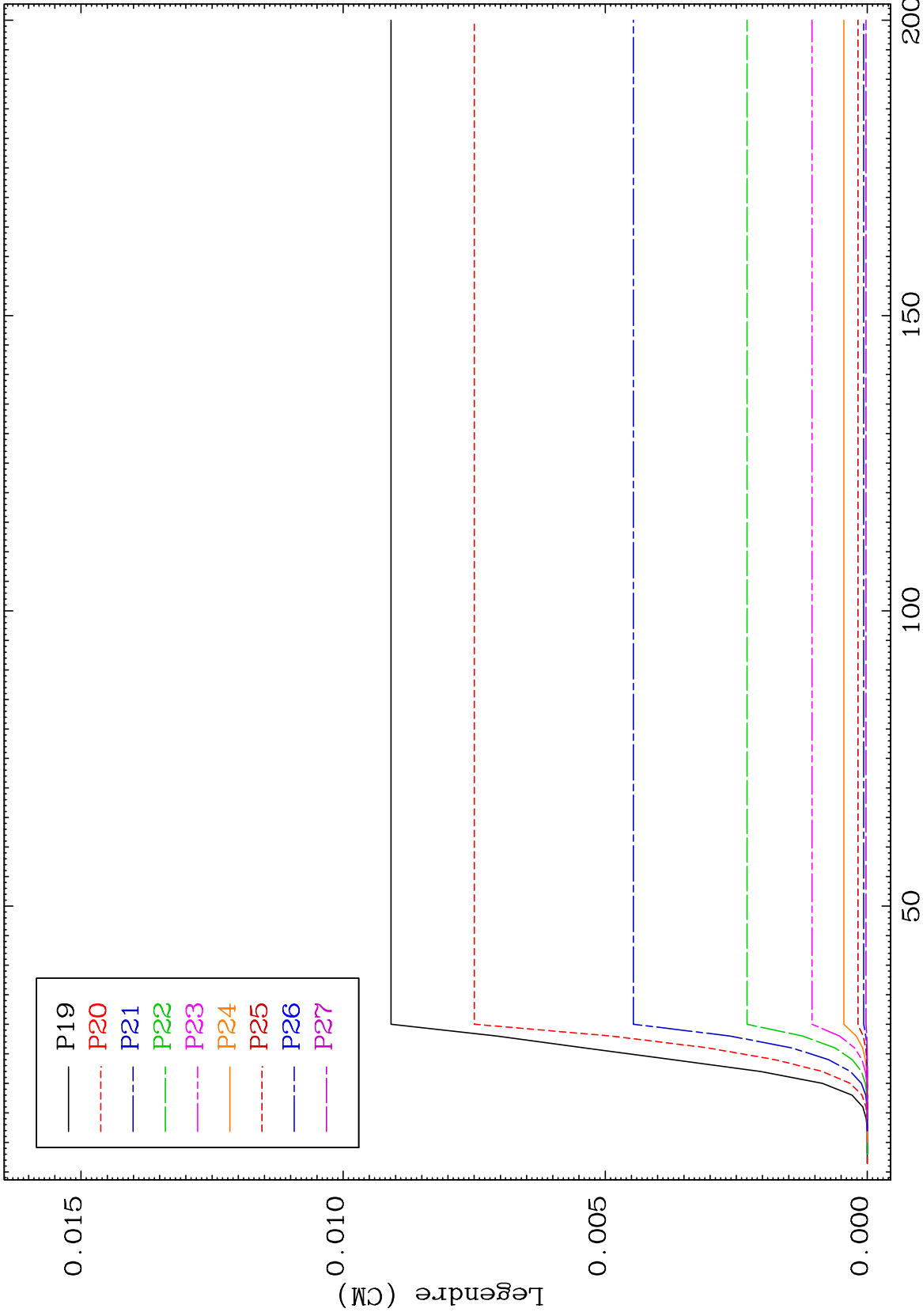


51 60-Nd-147

MAT 6040

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

60-Nd-147



52

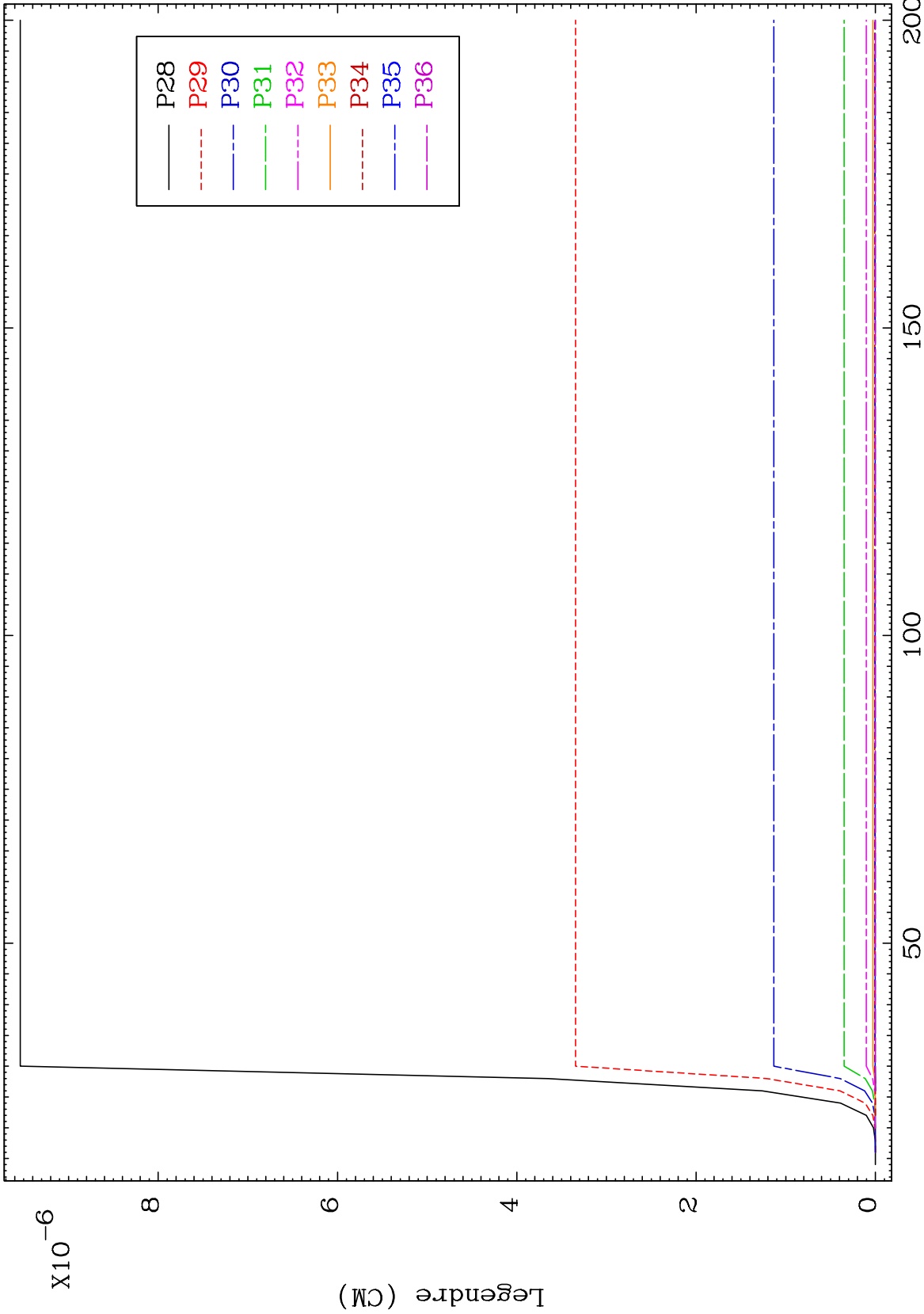
Incident Energy (MeV)

60-Nd-147

MAT 6040

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

60-Nd-147

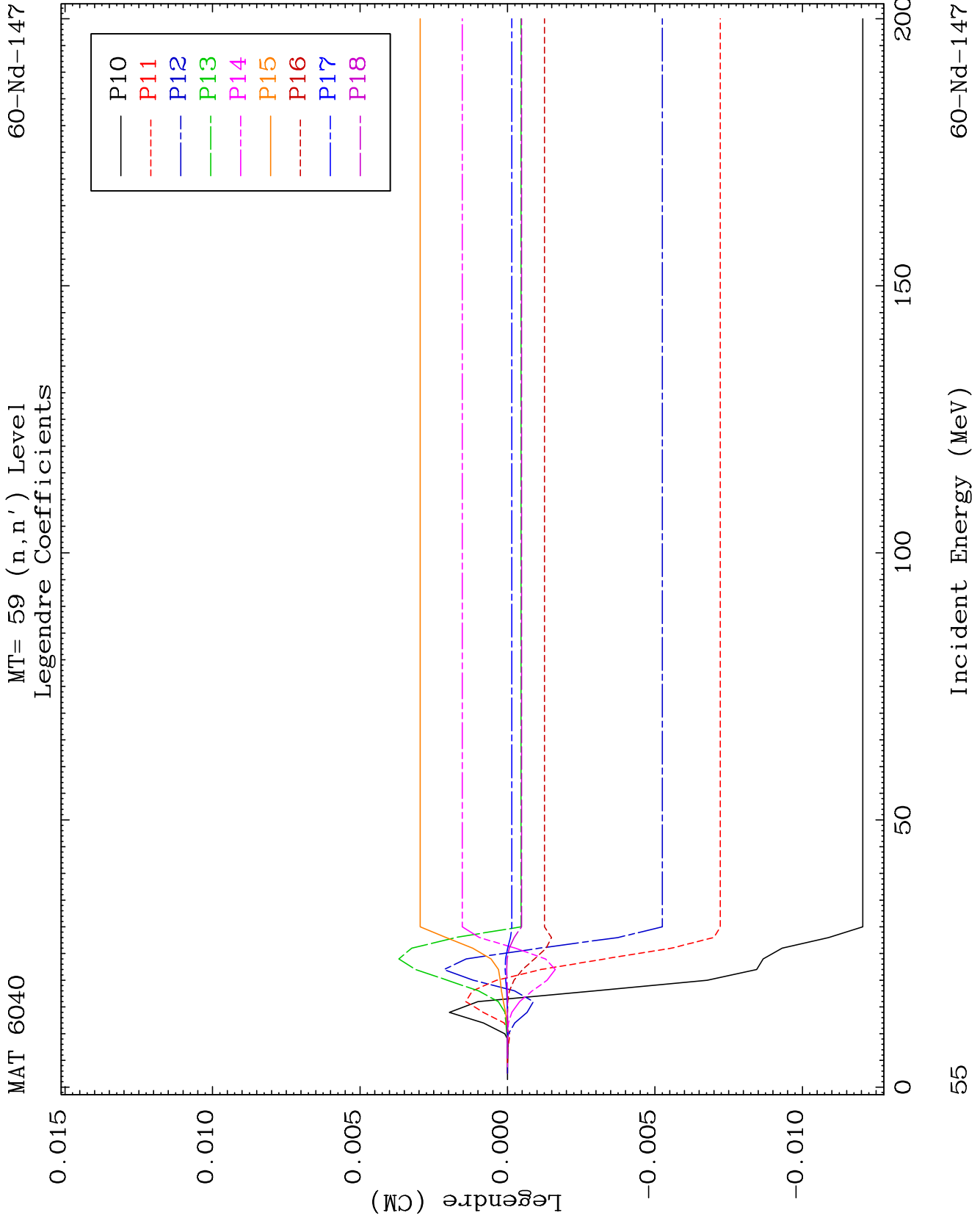


53

Incident Energy (MeV)

60-Nd-147

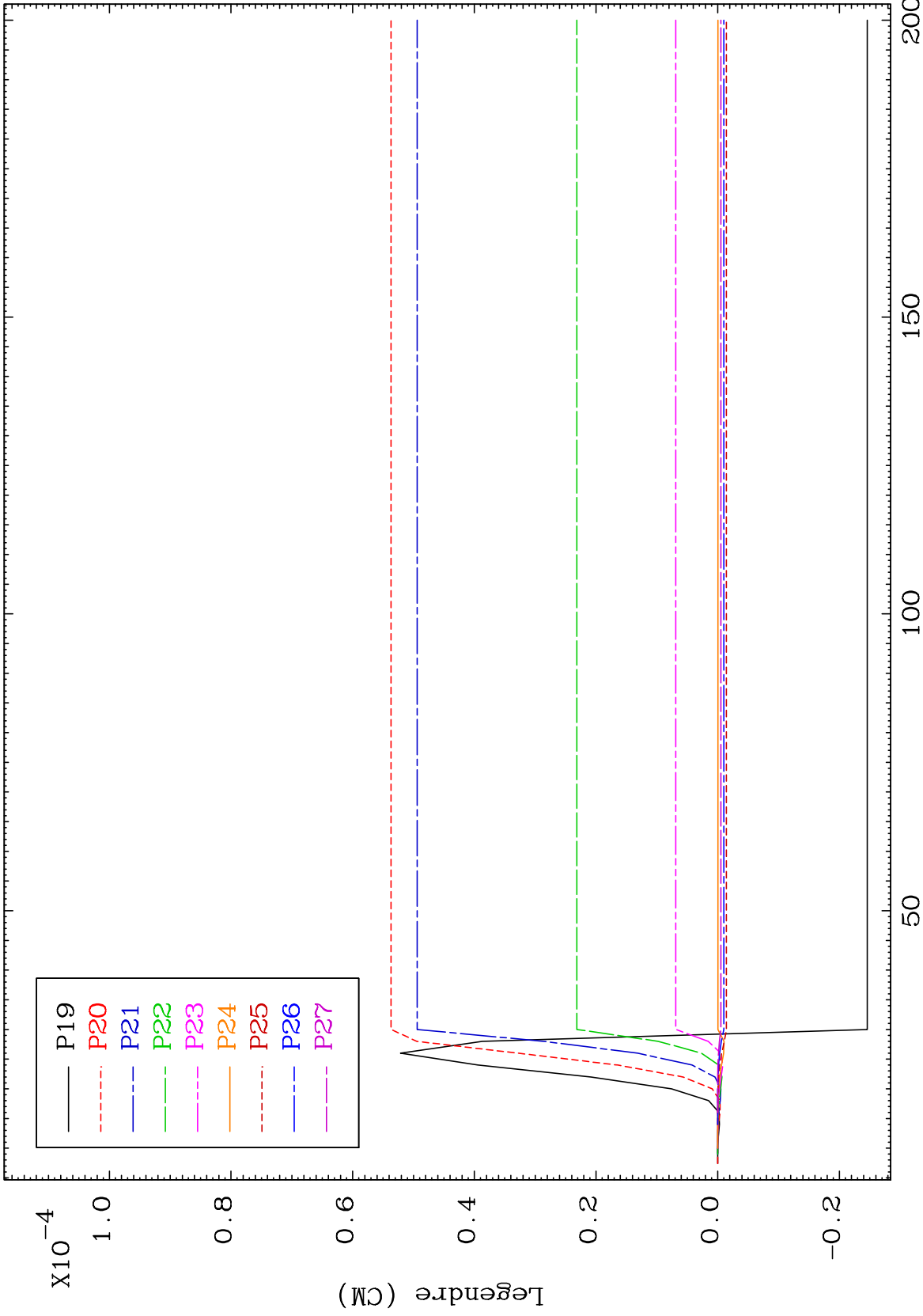




MAT 6040

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

60-Nd-147



56

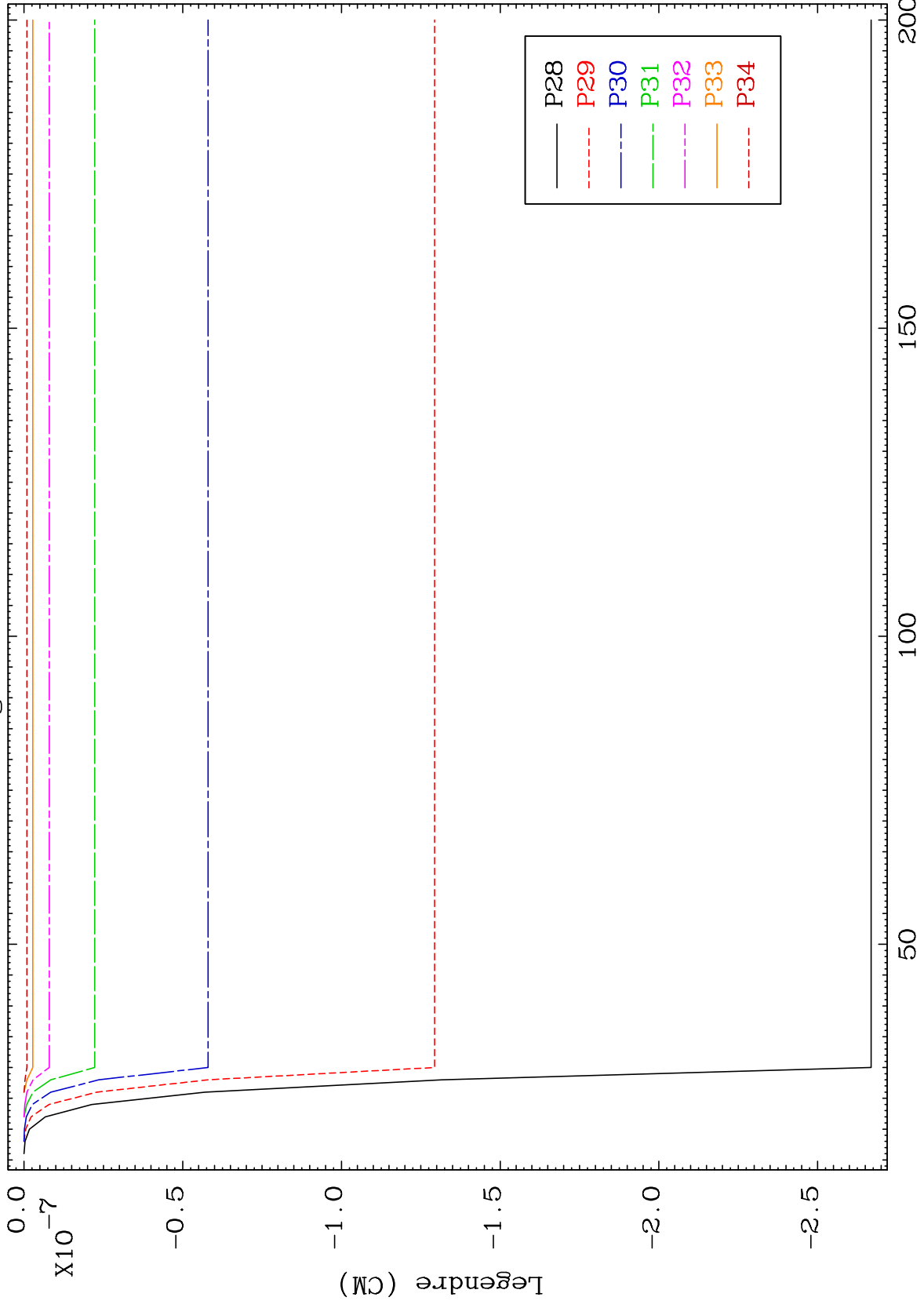
Incident Energy (MeV)

60-Nd-147

MAT 6040

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

60-Nd-147

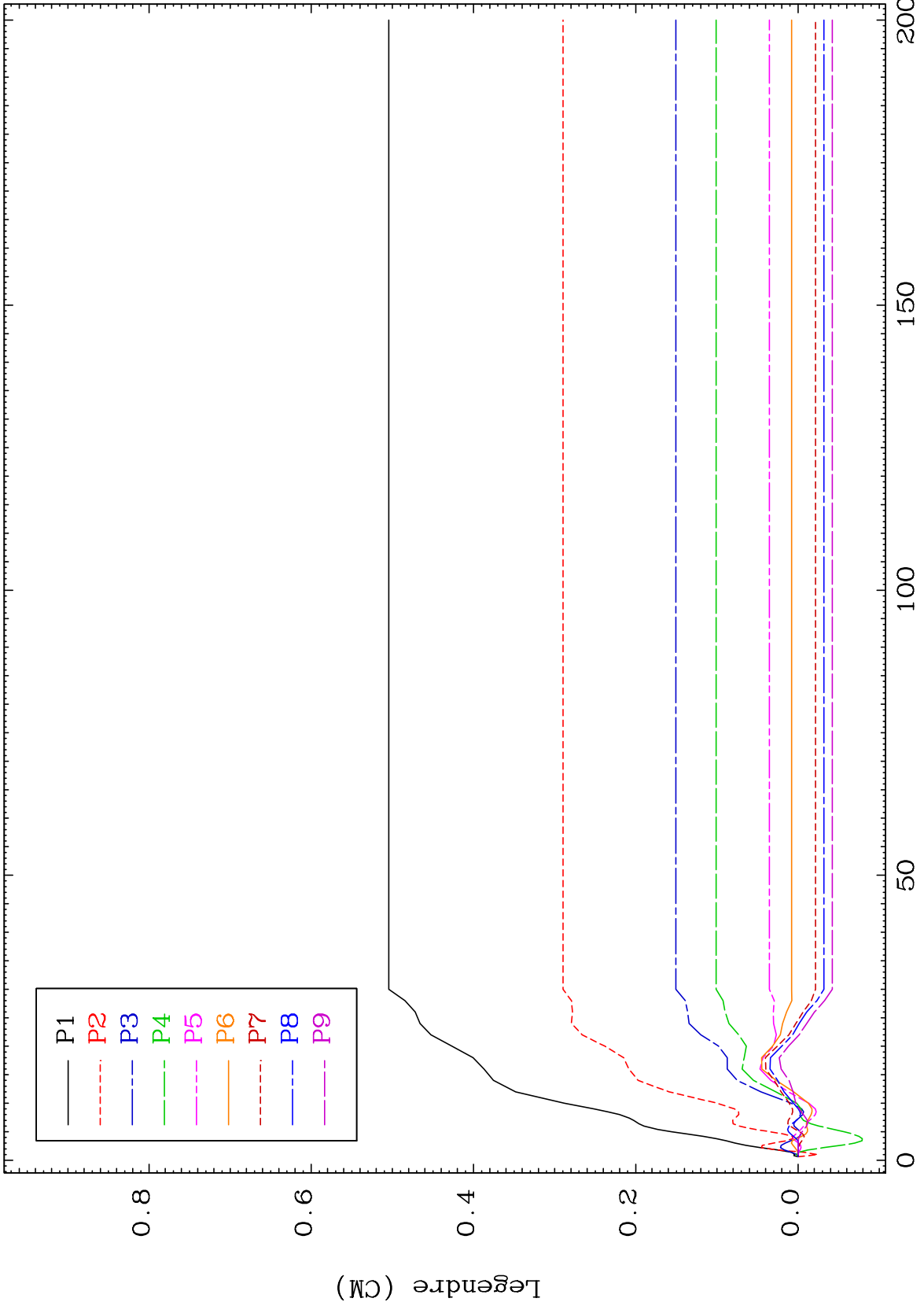


57

60-Nd-147

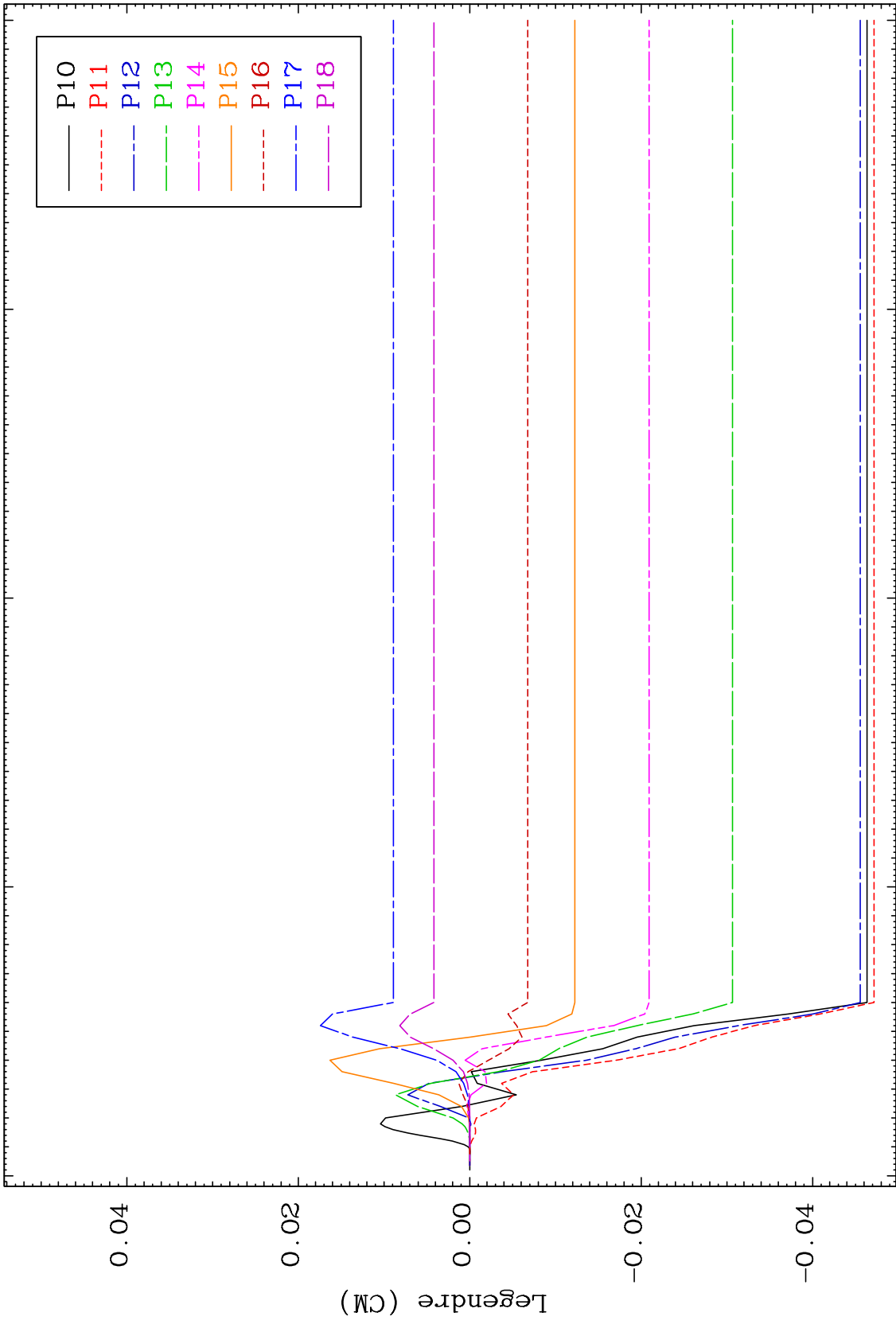
200

MAT 6040 MT= 60 (n,n') Level Legendre Coefficients 60-Nd-147



58 Incident Energy (MeV) 60-Nd-147

MAT 6040 MT= 60 (n,n') Level Legendre Coefficients 60-Nd-147

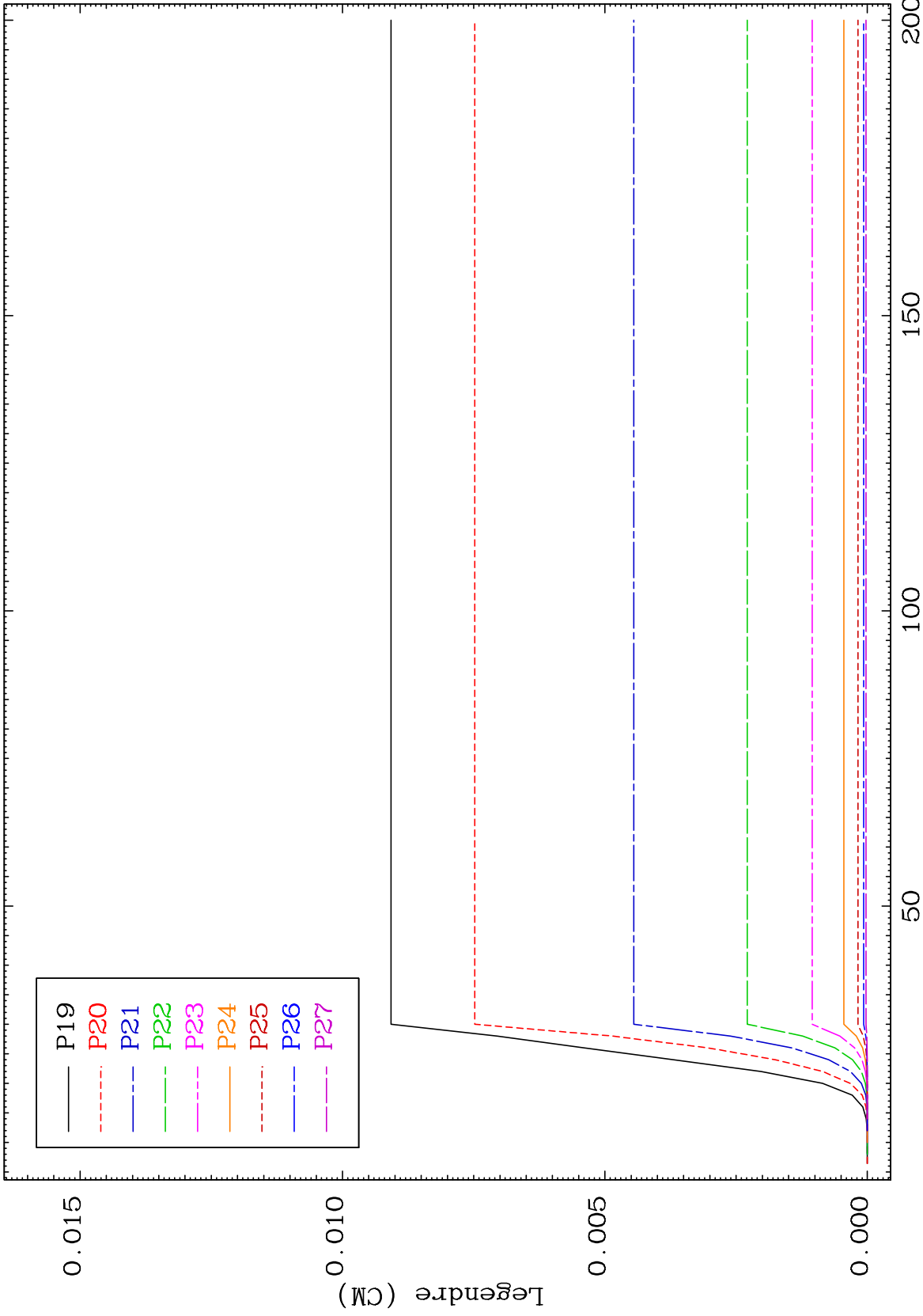


59 60-Nd-147

MAT 6040

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

60-Nd-147

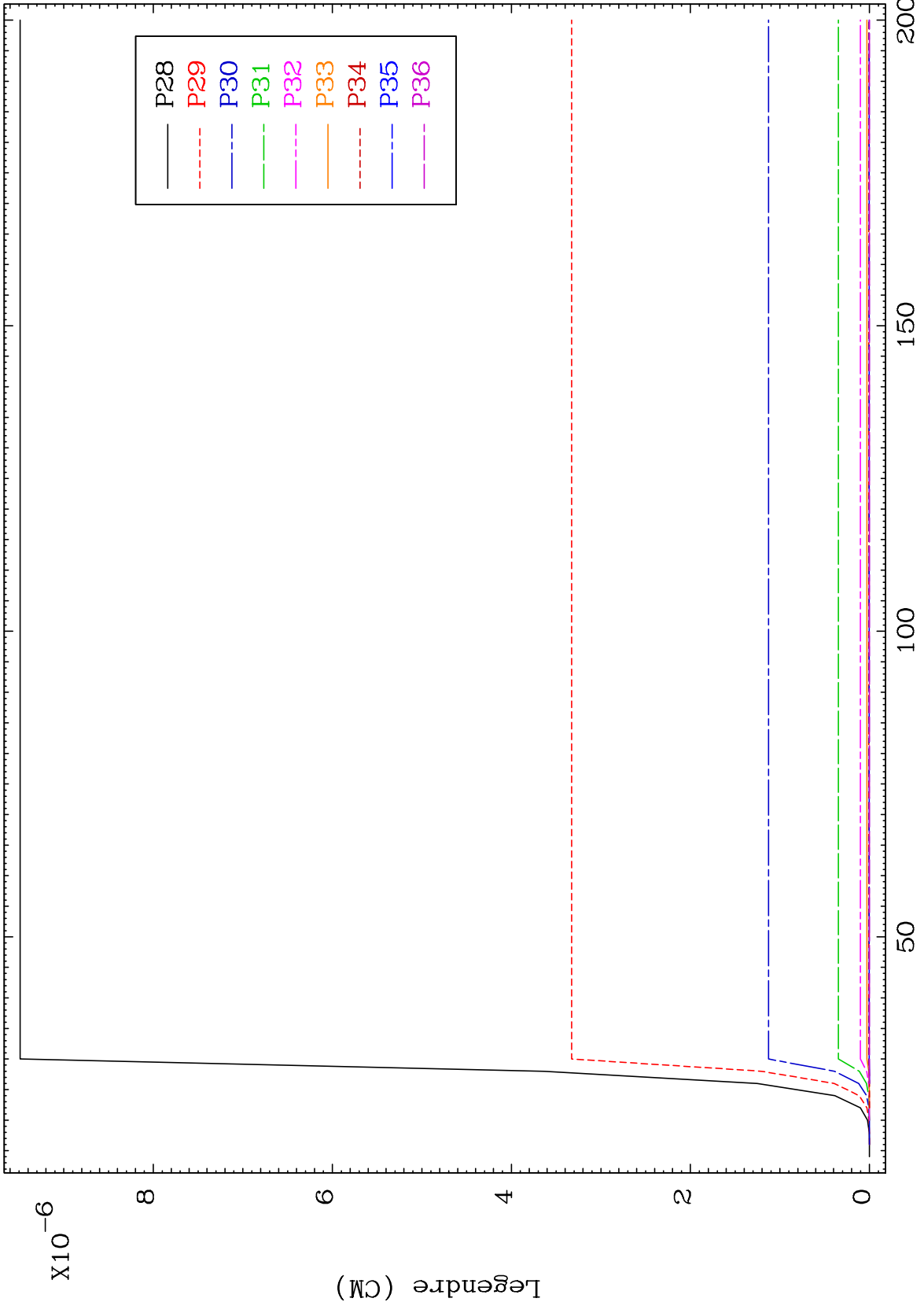


60

Incident Energy (MeV)

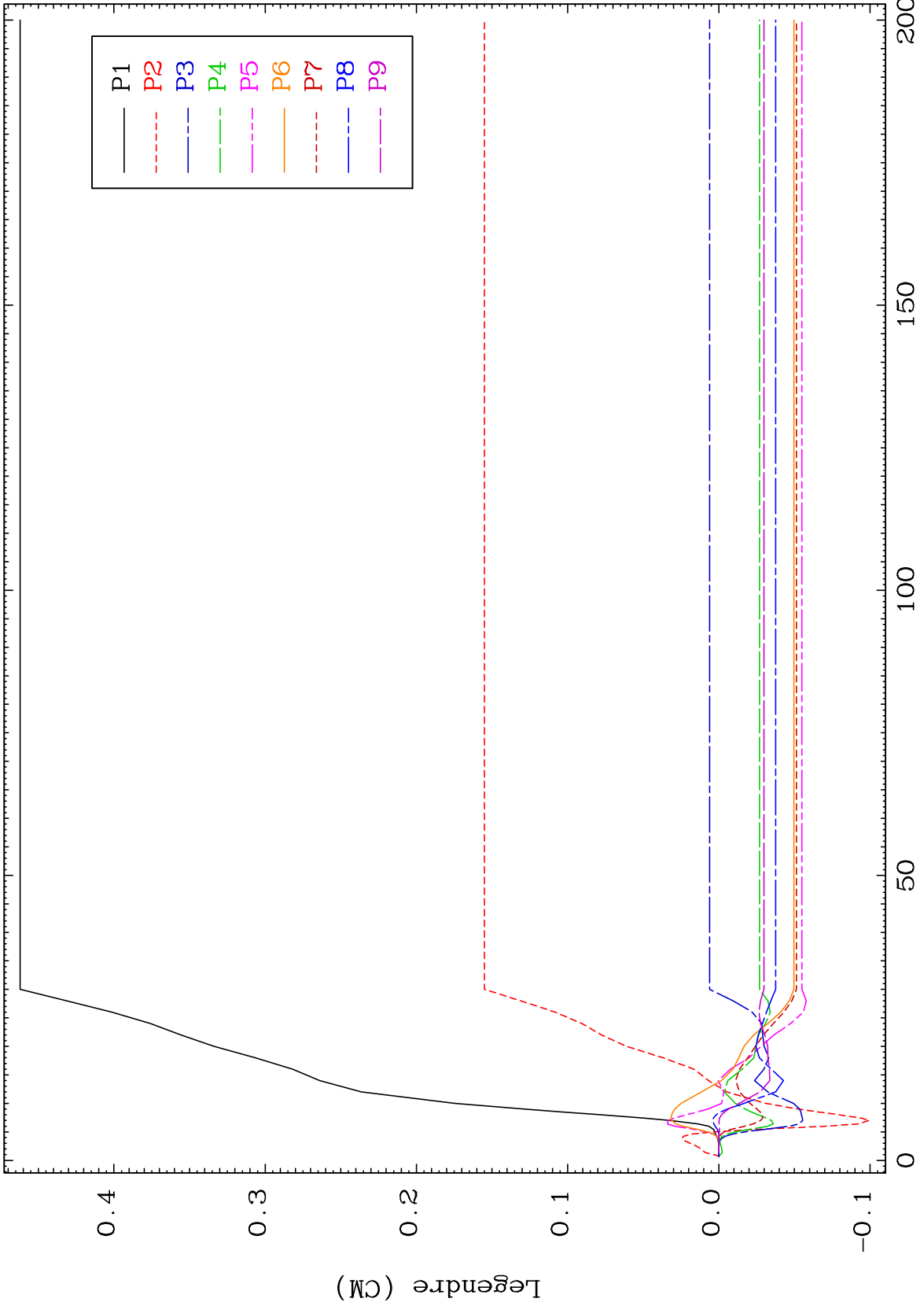
60-Nd-147

MAT 6040 MT= 60 (n,n') Level Legendre Coefficients 60-Nd-147



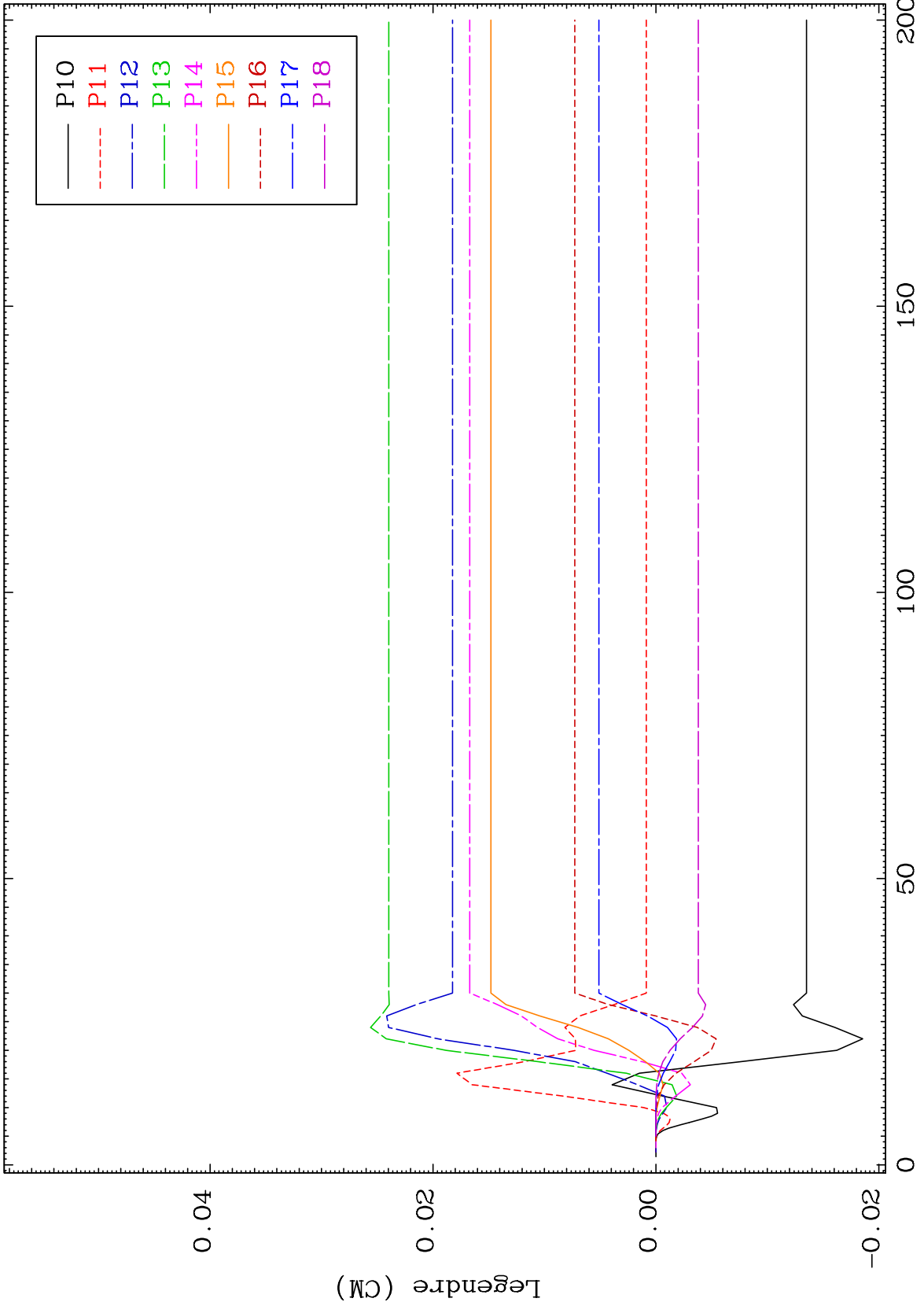
61 60-Nd-147

MAT 6040 MT= 61 (n,n') Level Legendre Coefficients 60-Nd-147



62 60-Nd-147

MAT 6040 MT= 61 (n,n') Level Legendre Coefficients 60-Nd-147

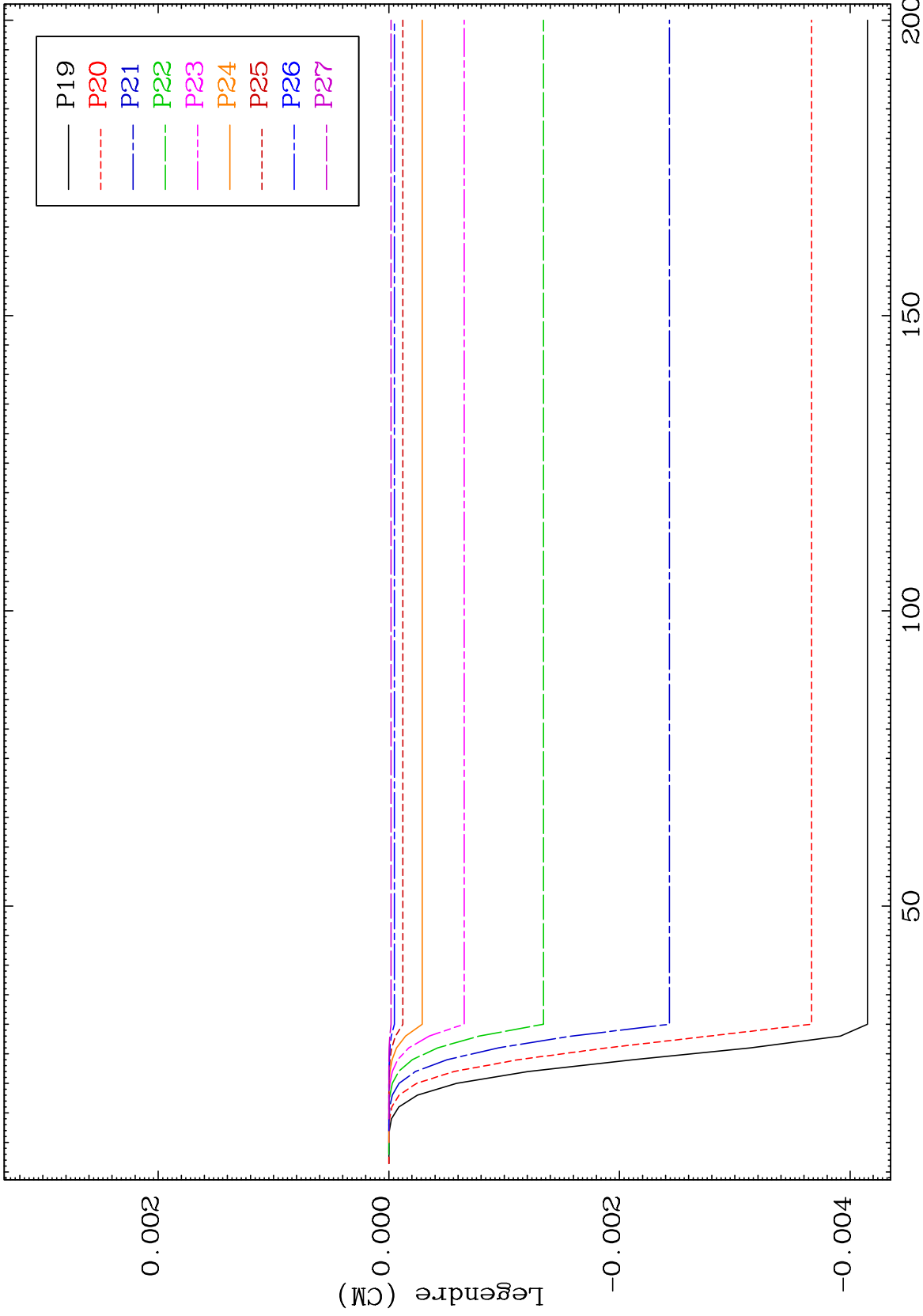


63 60-Nd-147

MAT 6040

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

60-Nd-147



64

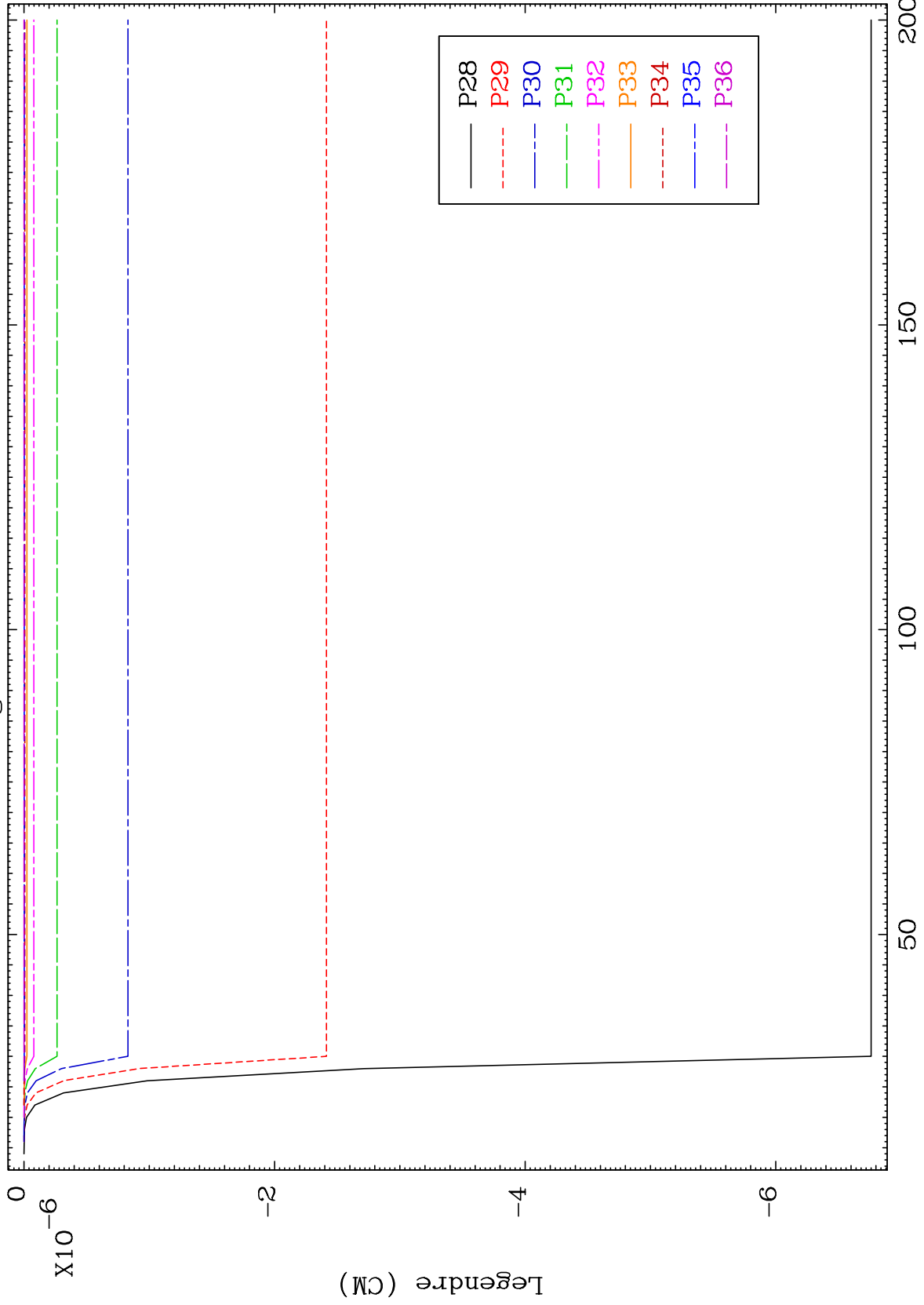
Incident Energy (MeV)

60-Nd-147

MAT 6040

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

60-Nd-147

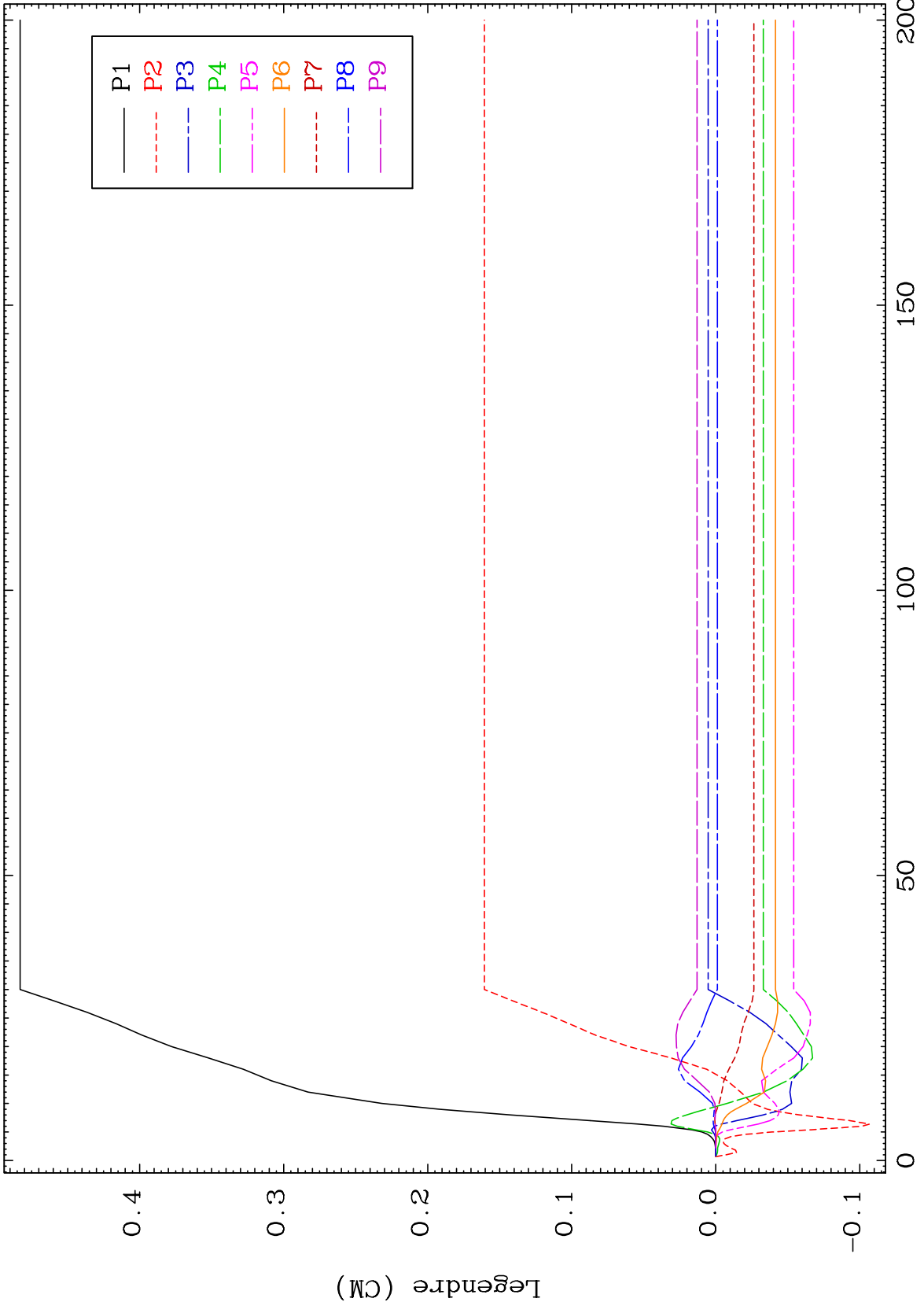


65

Incident Energy (MeV)

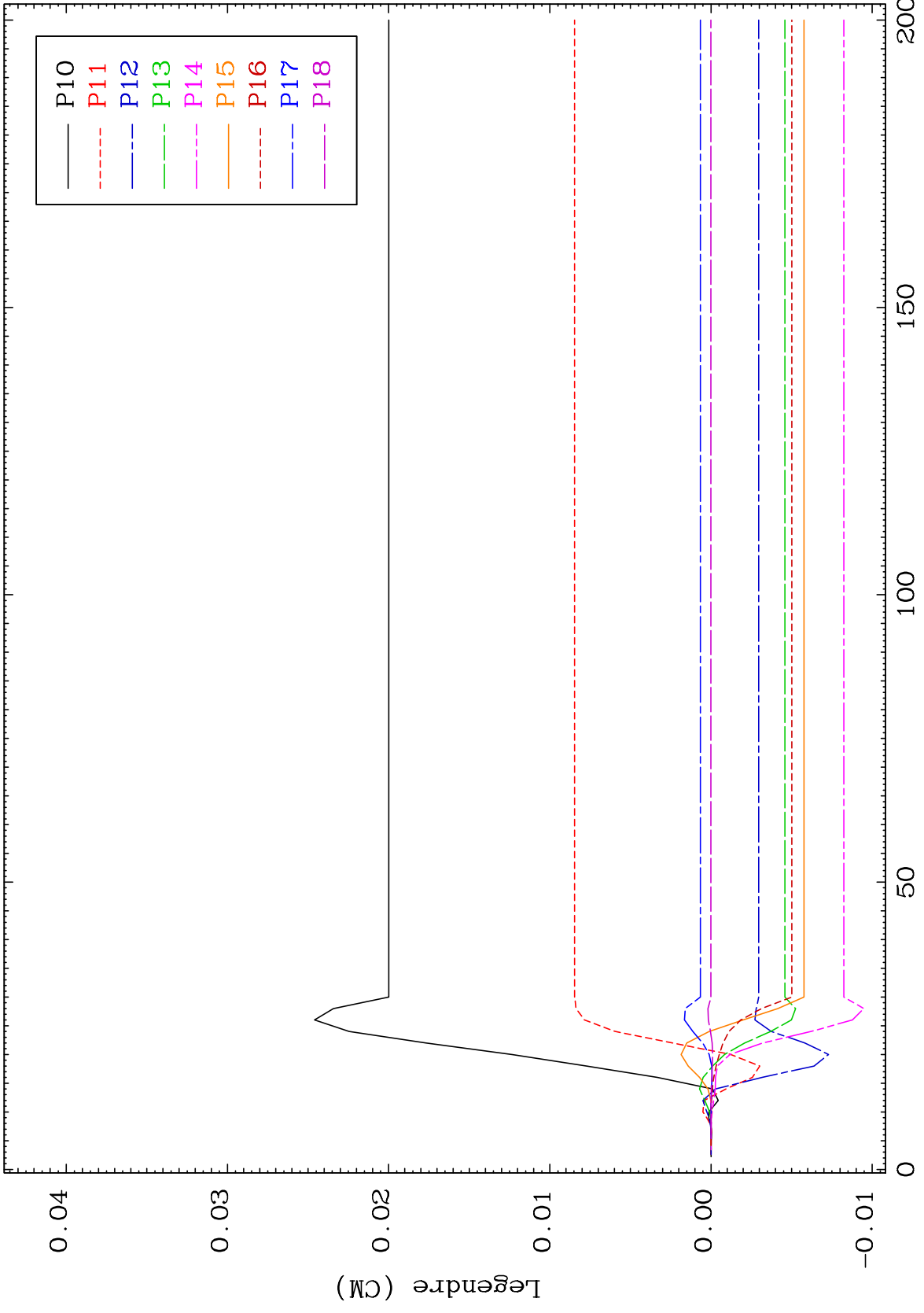
60-Nd-147

MAT 6040 MT= 62 (n,n') Level Legendre Coefficients 60-Nd-147



66 60-Nd-147

MAT 6040 MT= 62 (n,n') Level Legendre Coefficients 60-Nd-147

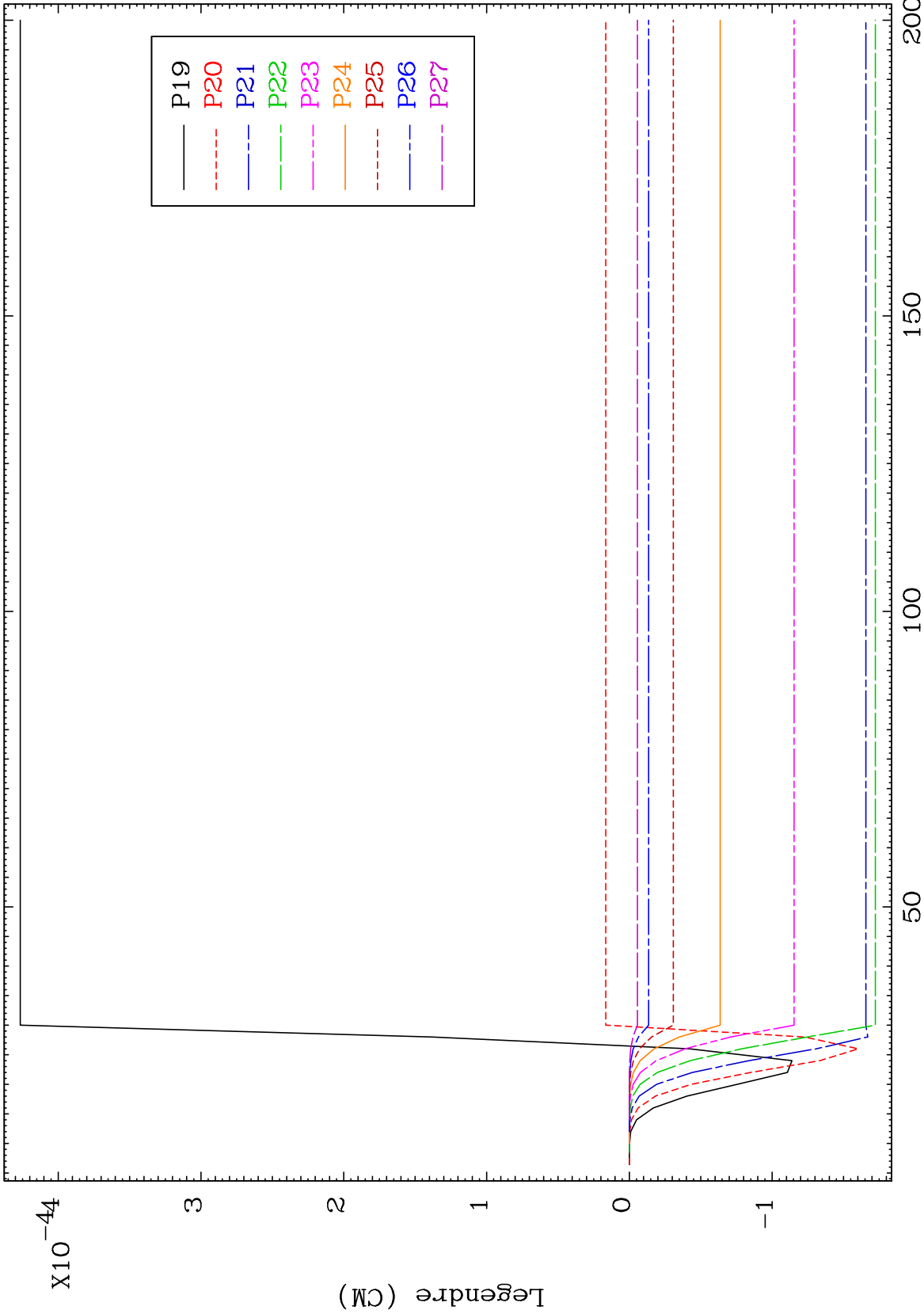


67 60-Nd-147

MAT 6040

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

60-Nd-147



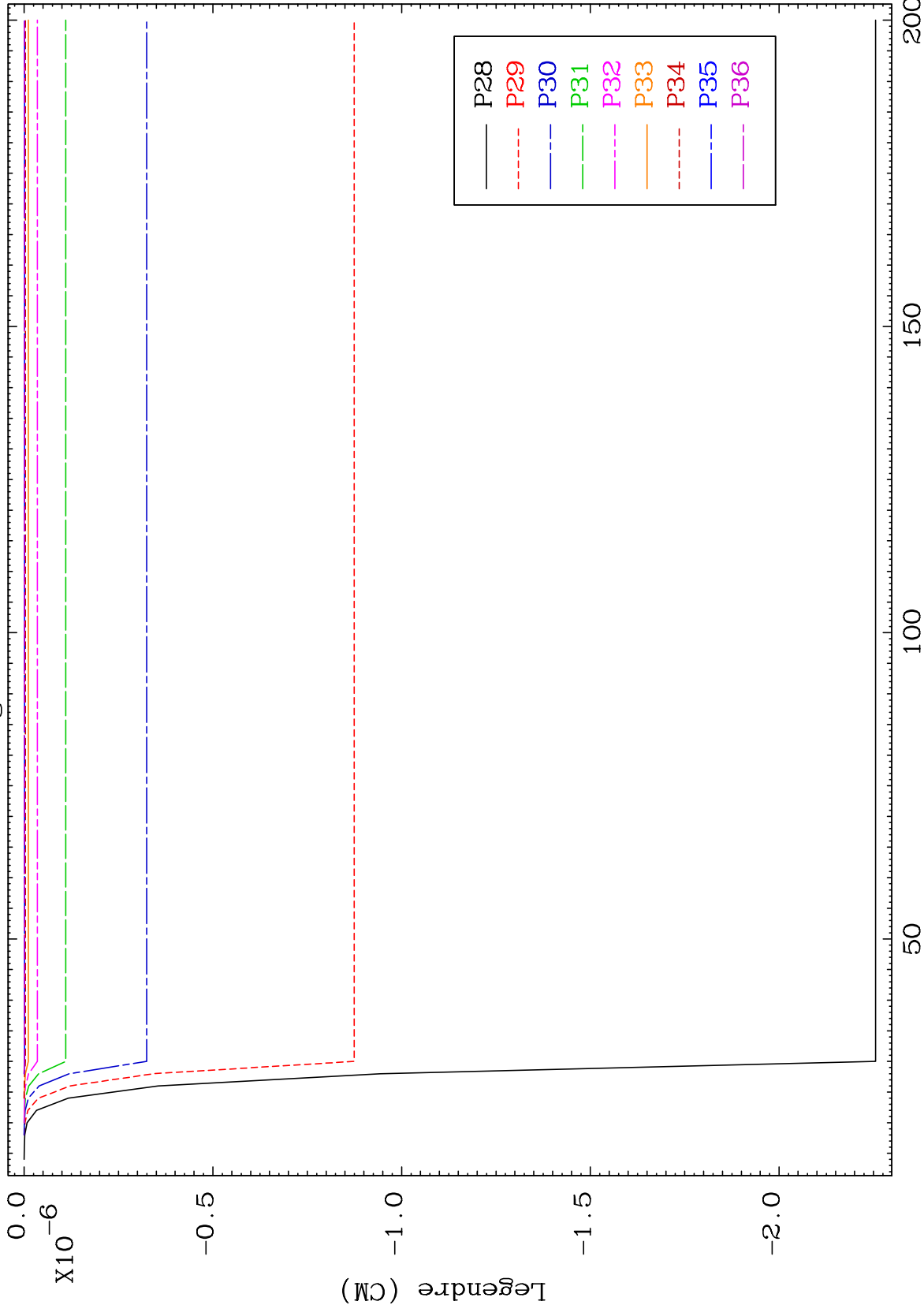
68

60-Nd-147

MAT 6040

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

60-Nd-147

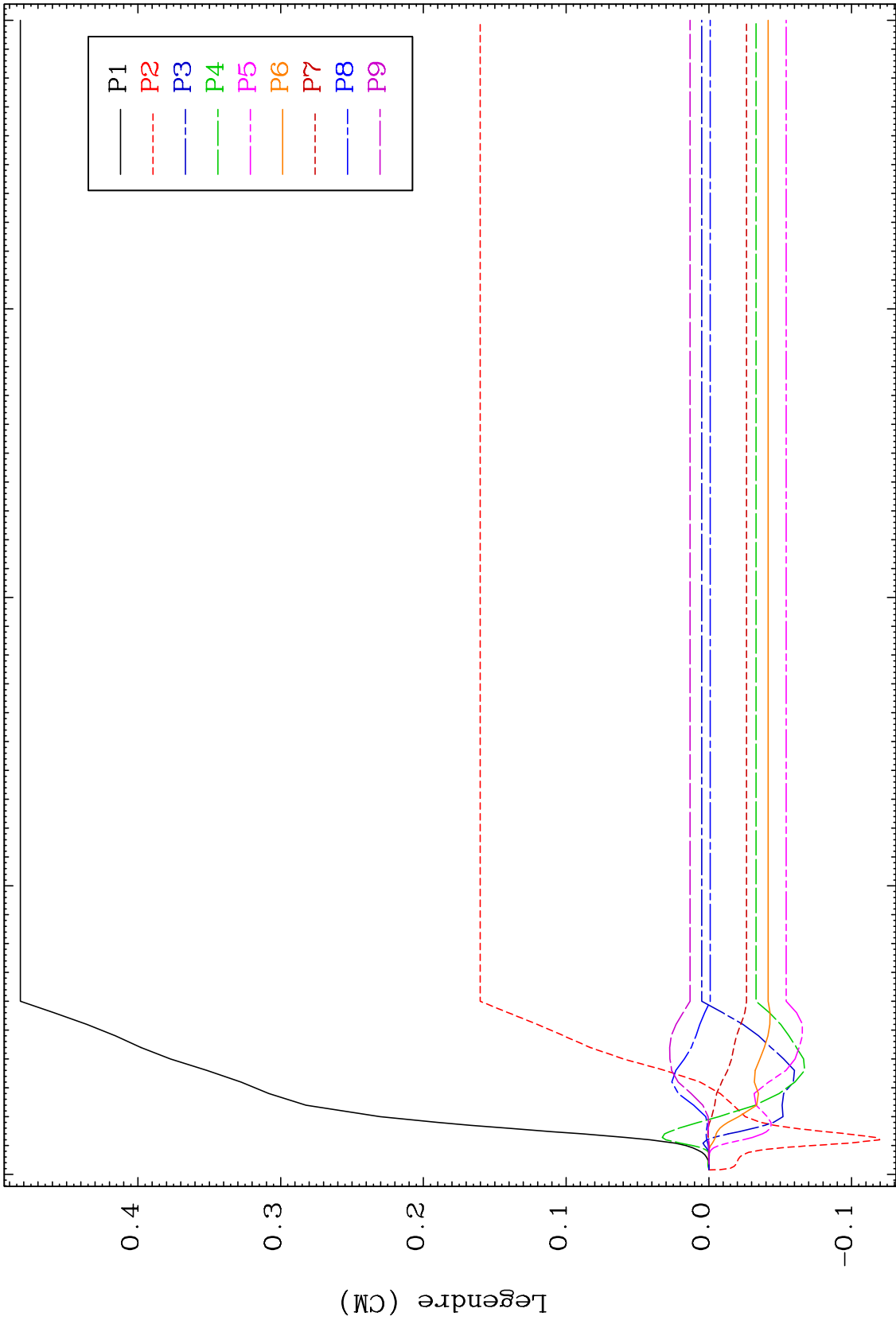


69

Incident Energy (MeV)

60-Nd-147

MAT 6040 MT= 63 (n,n') Level Legendre Coefficients 60-Nd-147

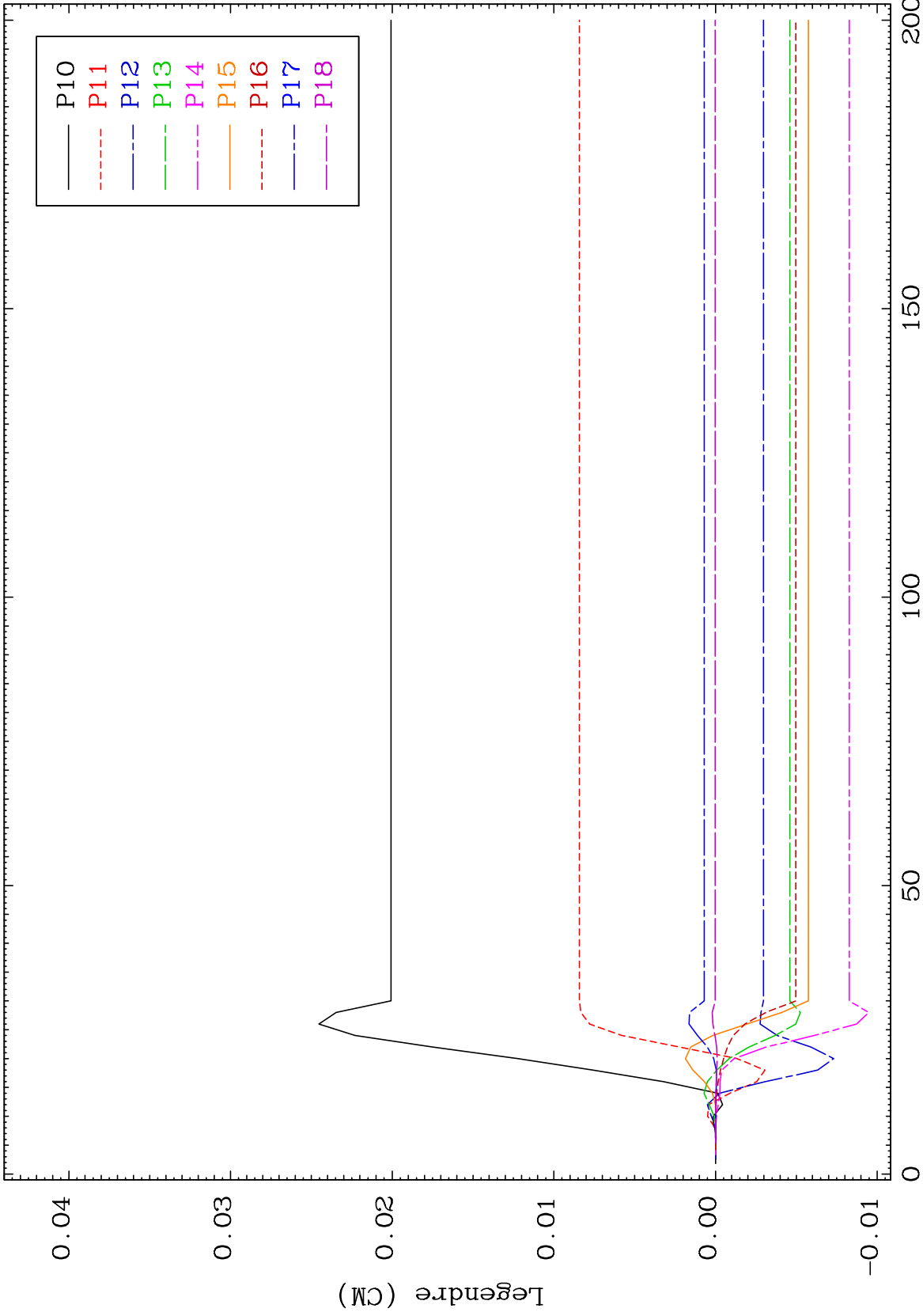


70 Incident Energy (MeV) 60-Nd-147

MAT 6040

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

60-Nd-147



71

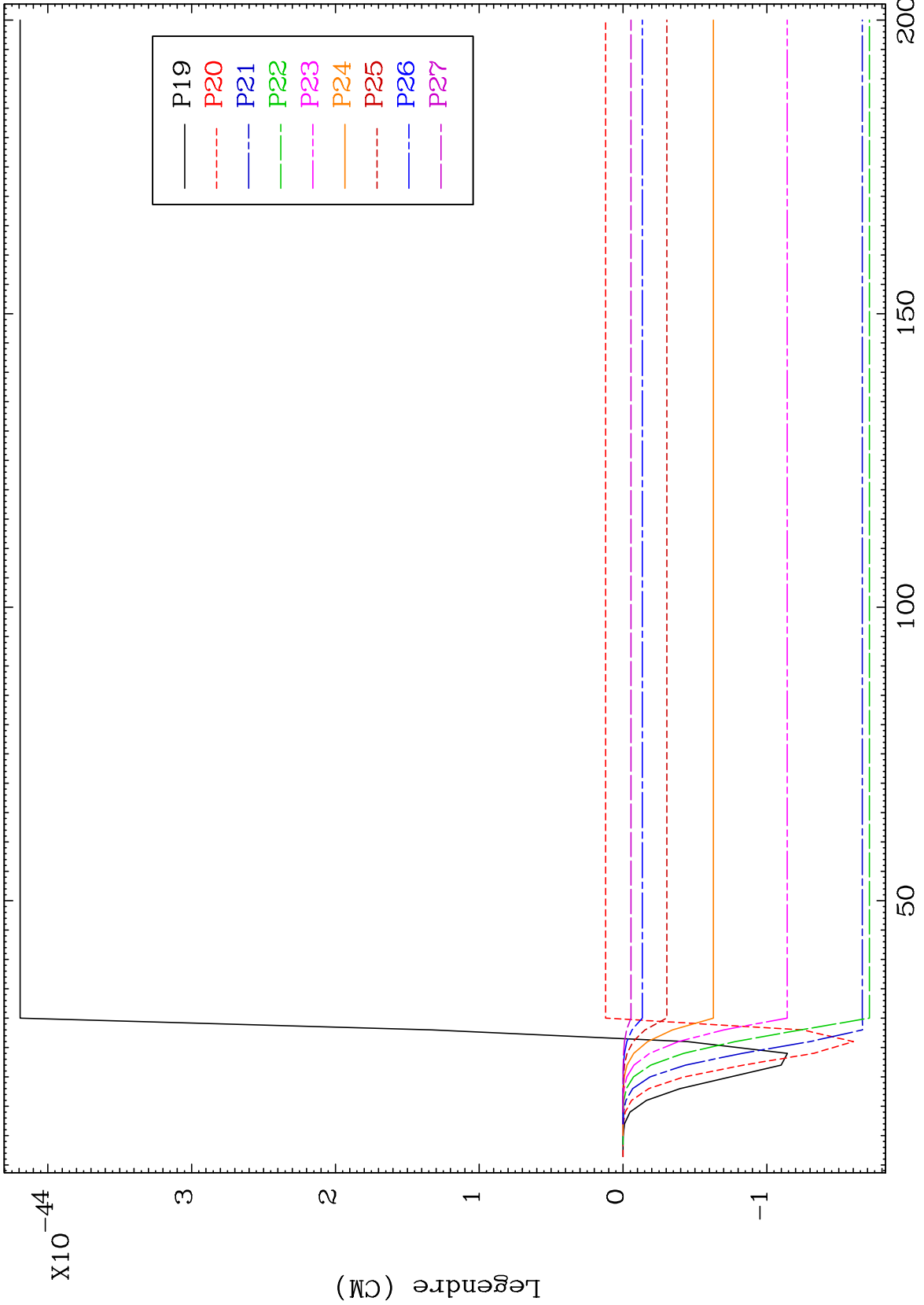
Incident Energy (MeV)

60-Nd-147

MAT 6040

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

60-Nd-147



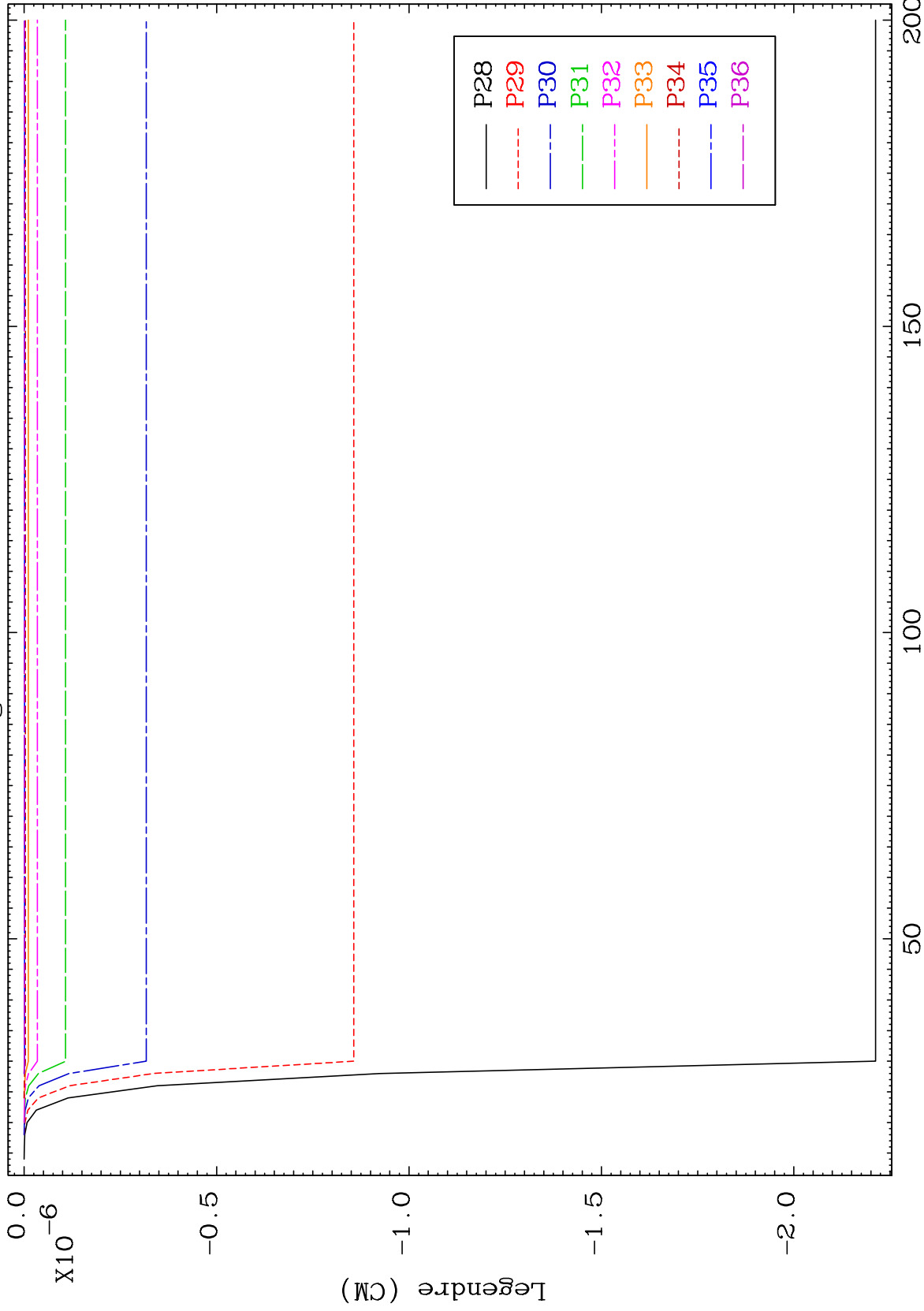
72

60-Nd-147

MAT 6040

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

60-Nd-147

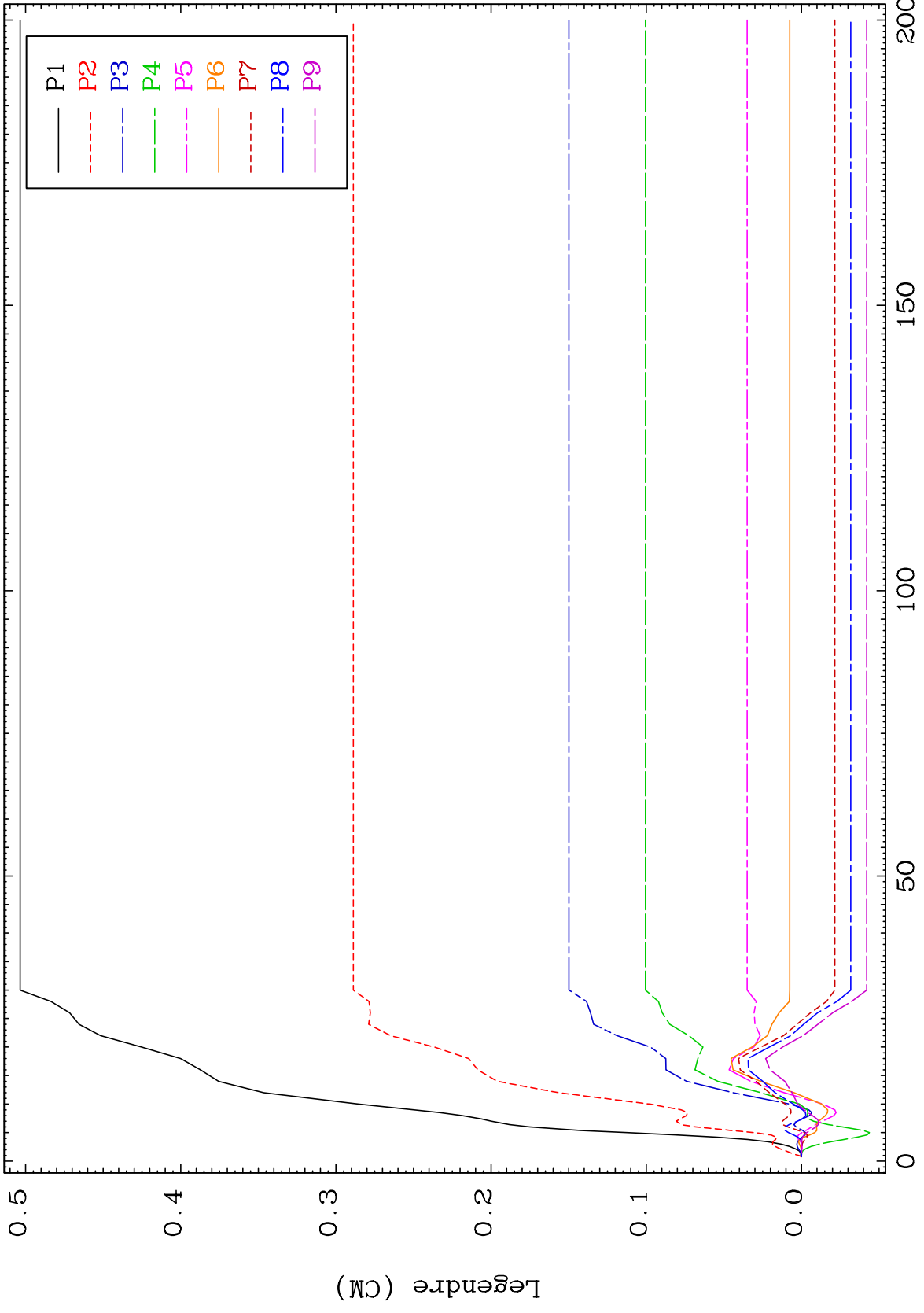


60-Nd-147

Incident Energy (MeV)

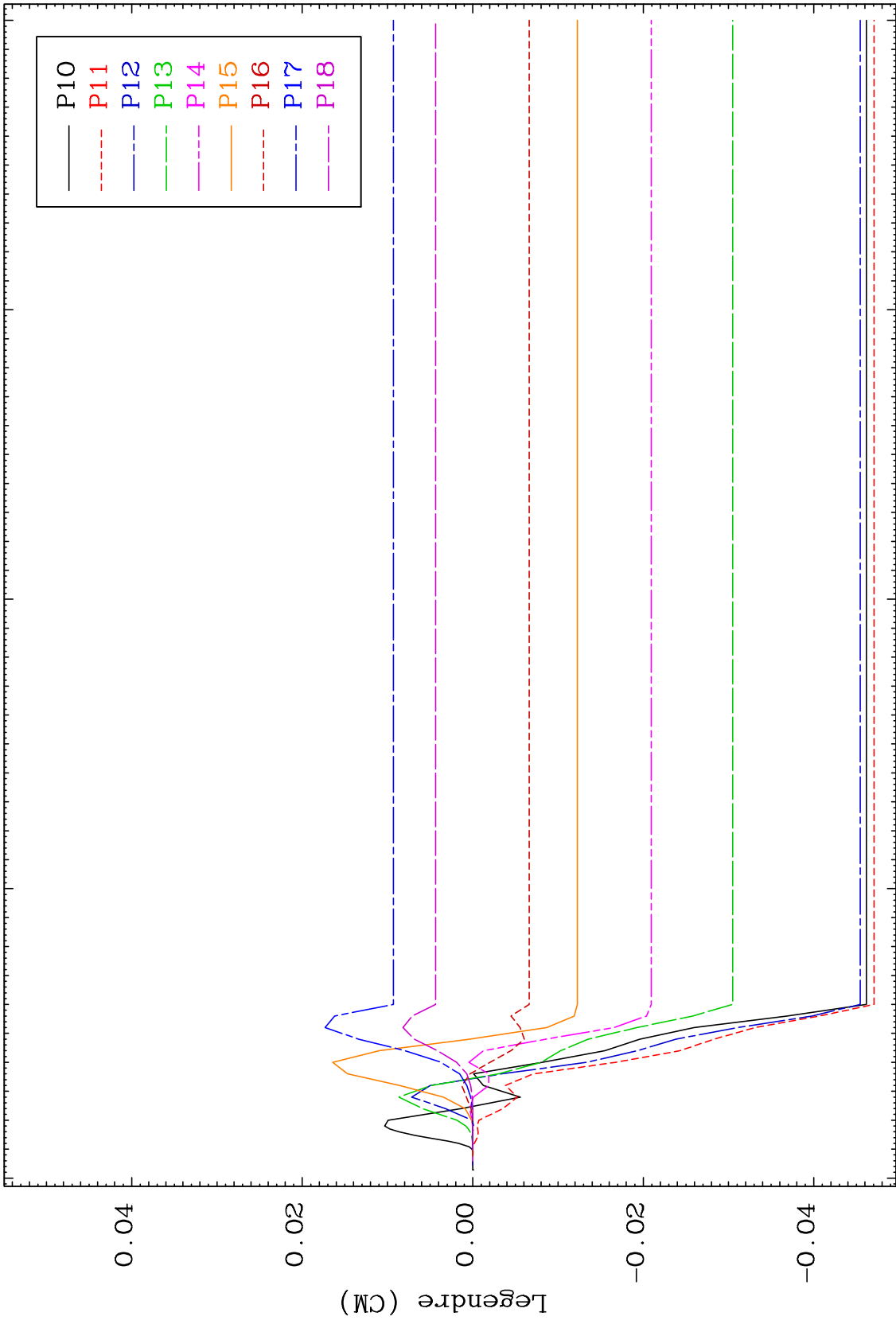
73

MAT 6040 MT= 64 (n,n') Level Legendre Coefficients 60-Nd-147



74 60-Nd-147

MAT 6040 MT= 64 (n,n') Level Legendre Coefficients 60-Nd-147

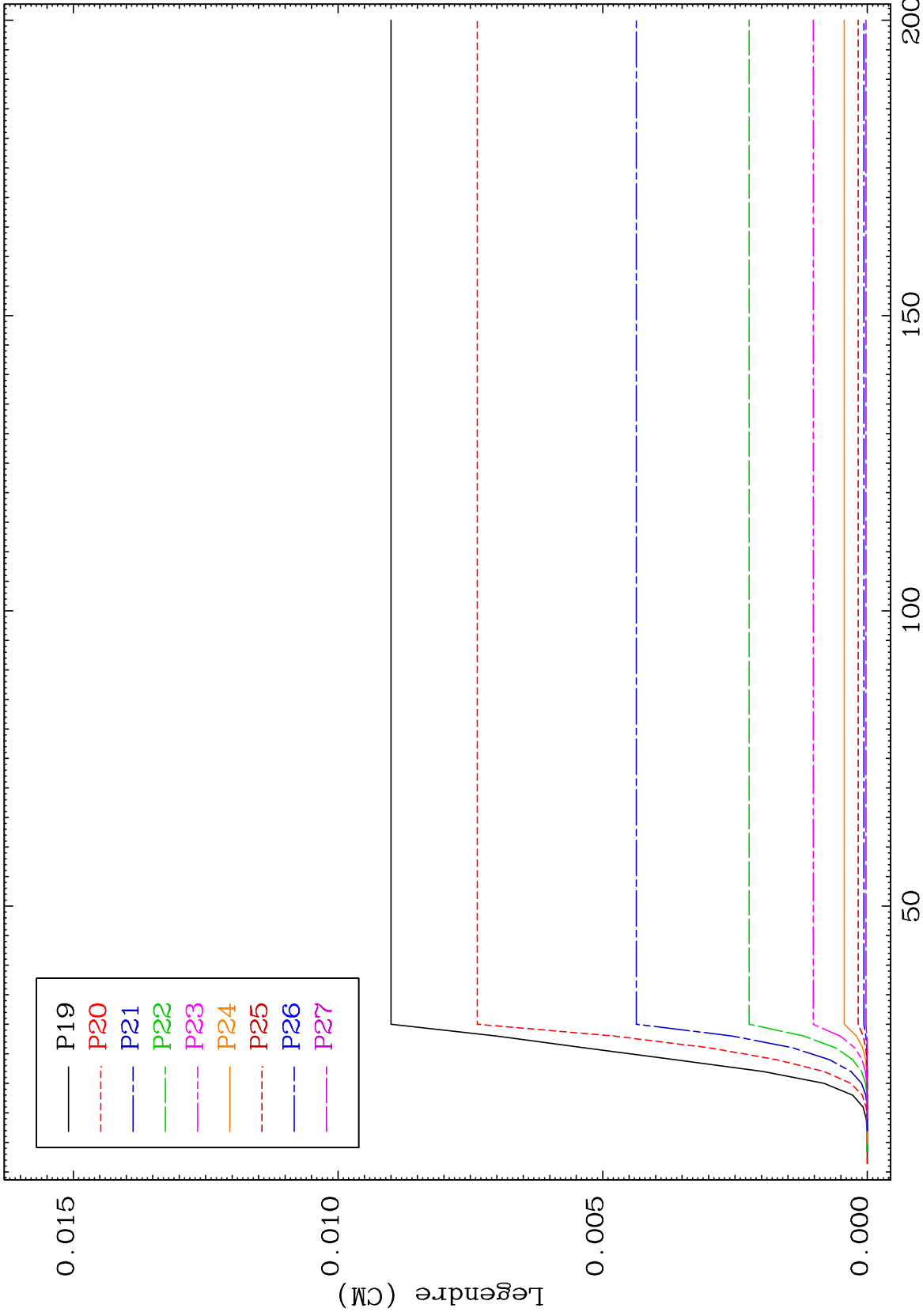


75 Incident Energy (MeV) 60-Nd-147

MAT 6040

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

60-Nd-147



76

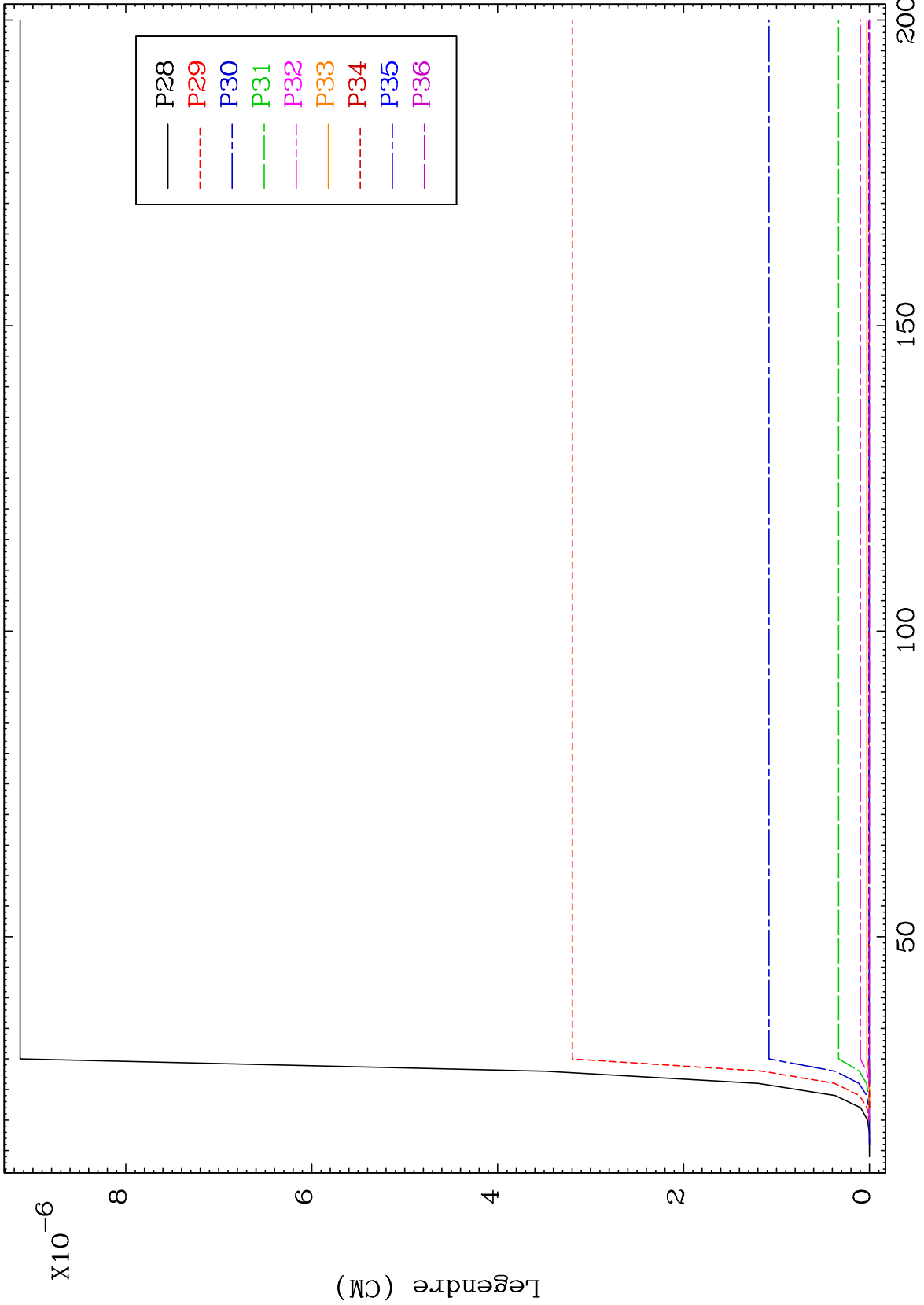
Incident Energy (MeV)

60-Nd-147

MAT 6040

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

60-Nd-147

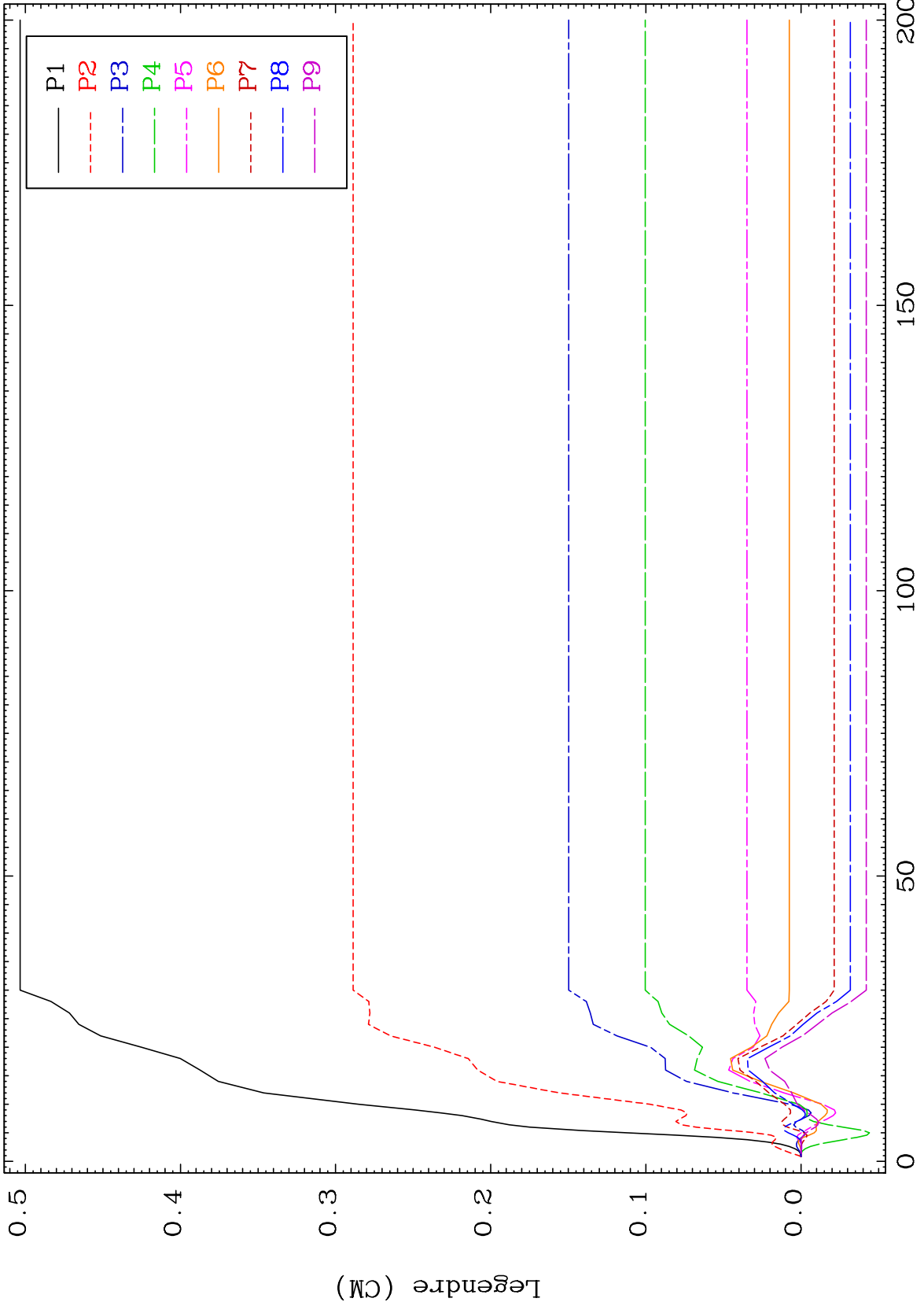


77

Incident Energy (MeV)

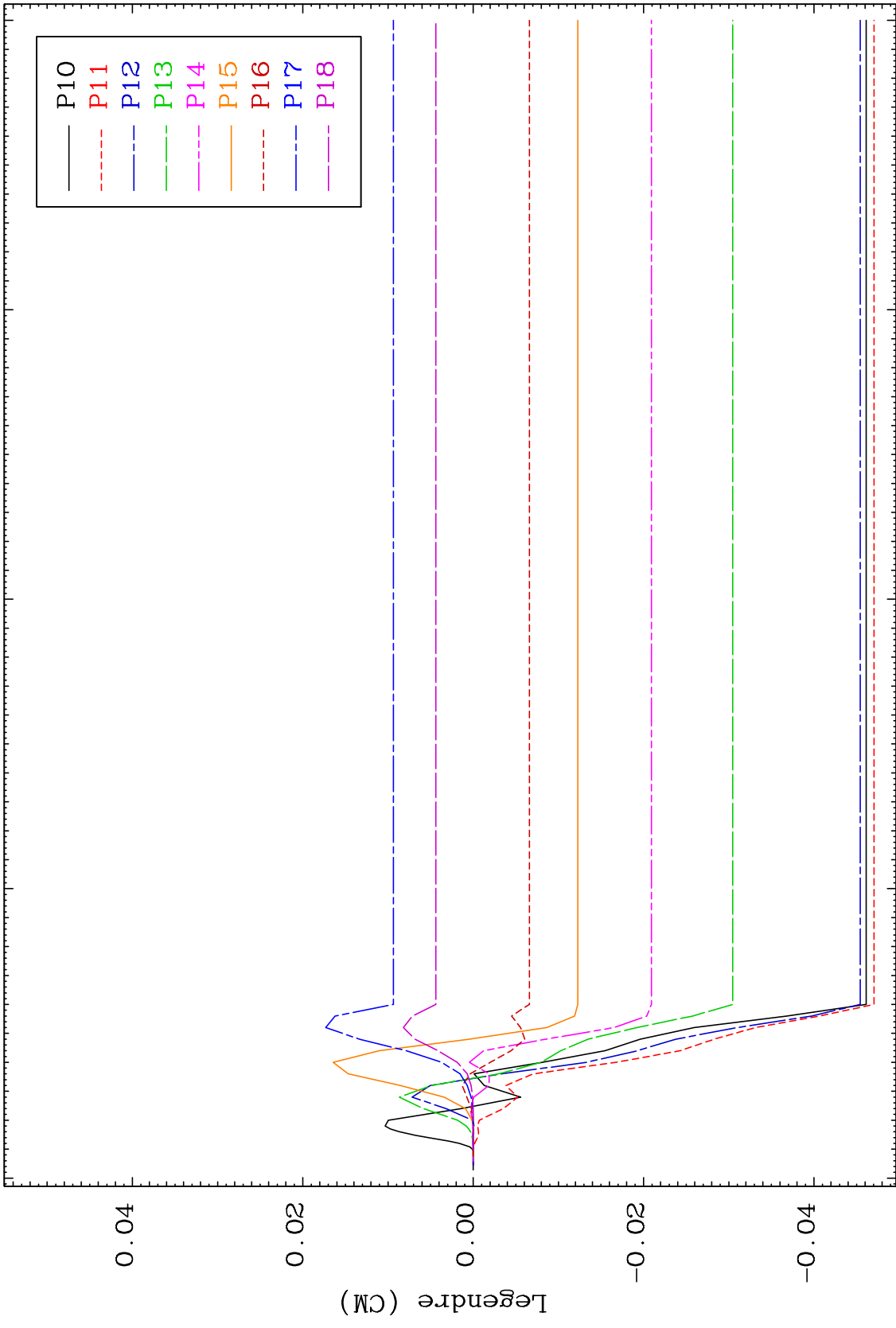
60-Nd-147

MAT 6040 MT= 65 (n,n') Level Legendre Coefficients 60-Nd-147



78 60-Nd-147

MAT 6040 MT= 65 (n,n') Level Legendre Coefficients 60-Nd-147

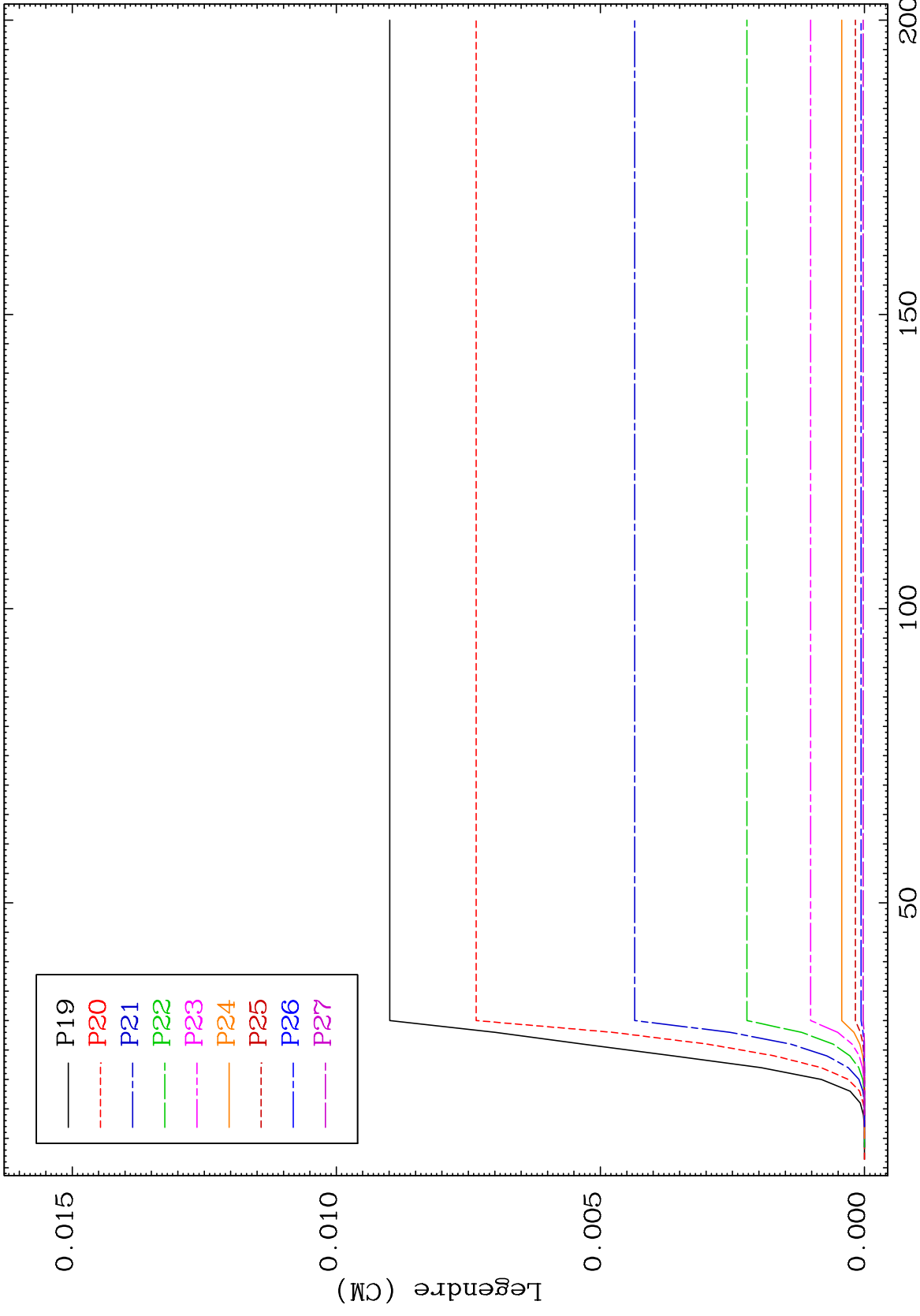


79 60-Nd-147

MAT 6040

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

60-Nd-147



80

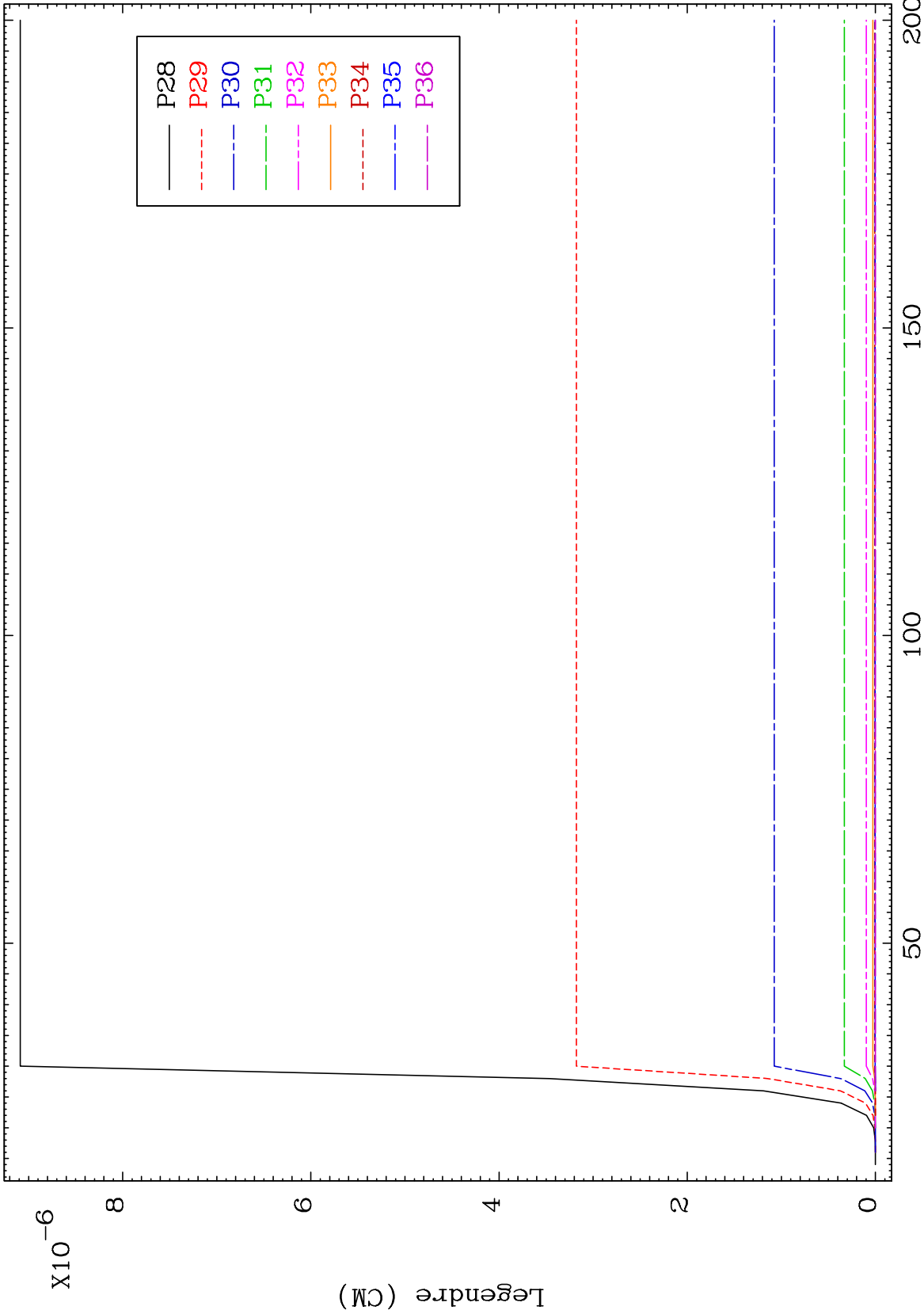
Incident Energy (MeV)

60-Nd-147

MAT 6040

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

60-Nd-147

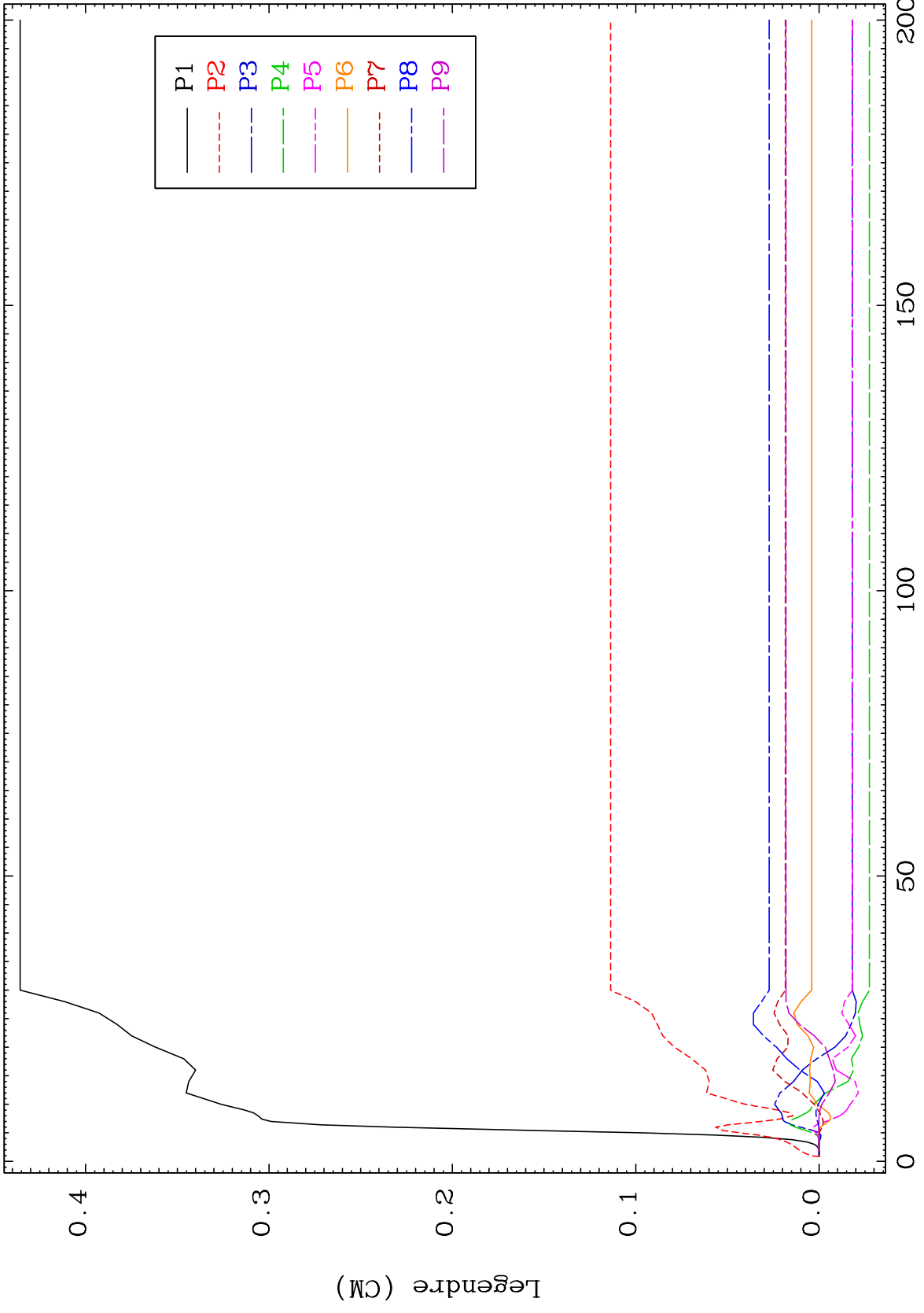


81

Incident Energy (MeV)

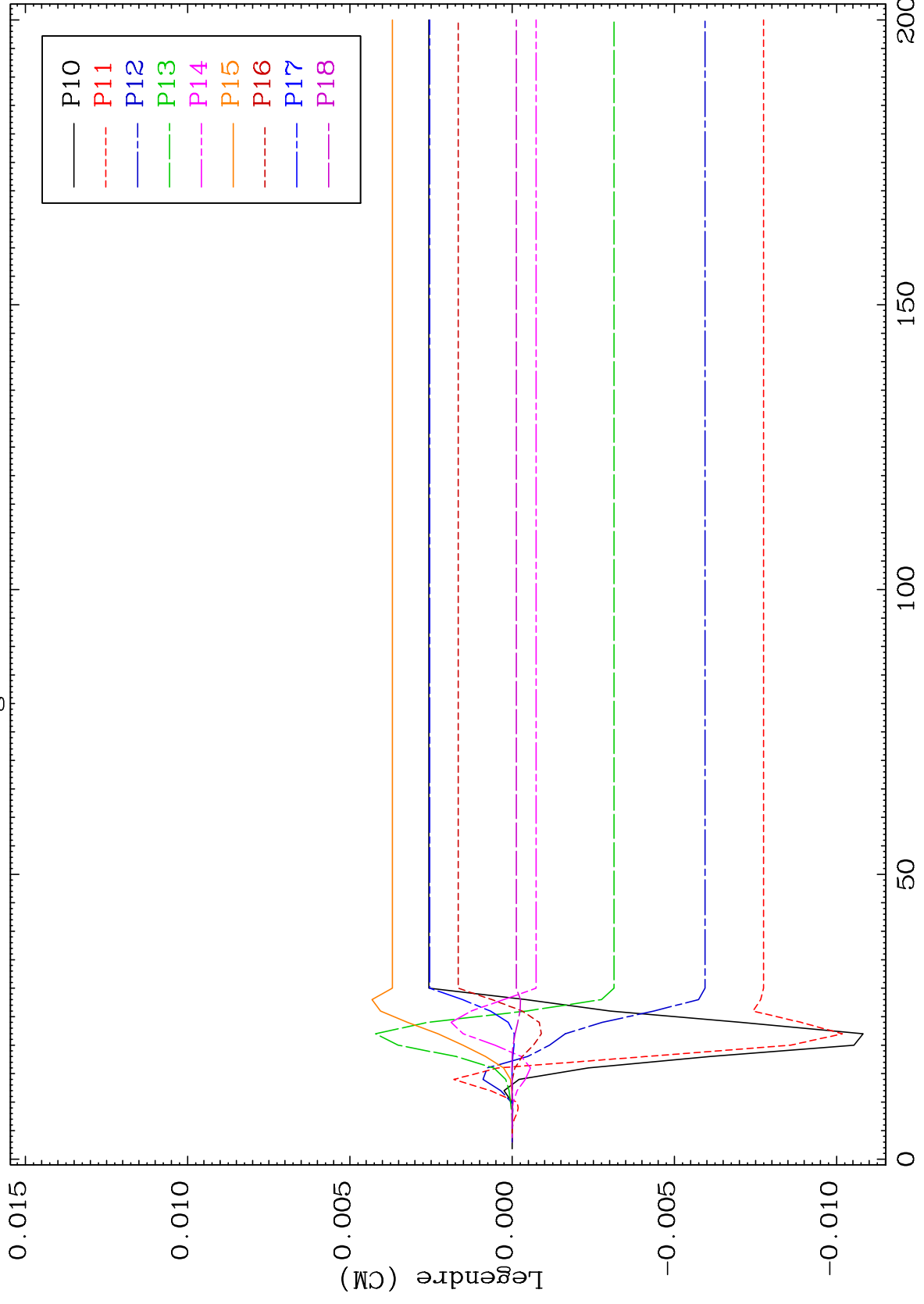
60-Nd-147

MAT 6040 MT= 66 (n,n') Level Legendre Coefficients 60-Nd-147



82 Incident Energy (MeV) 60-Nd-147

MAT 6040 MT= 66 (n,n') Level Legendre Coefficients 60-Nd-147

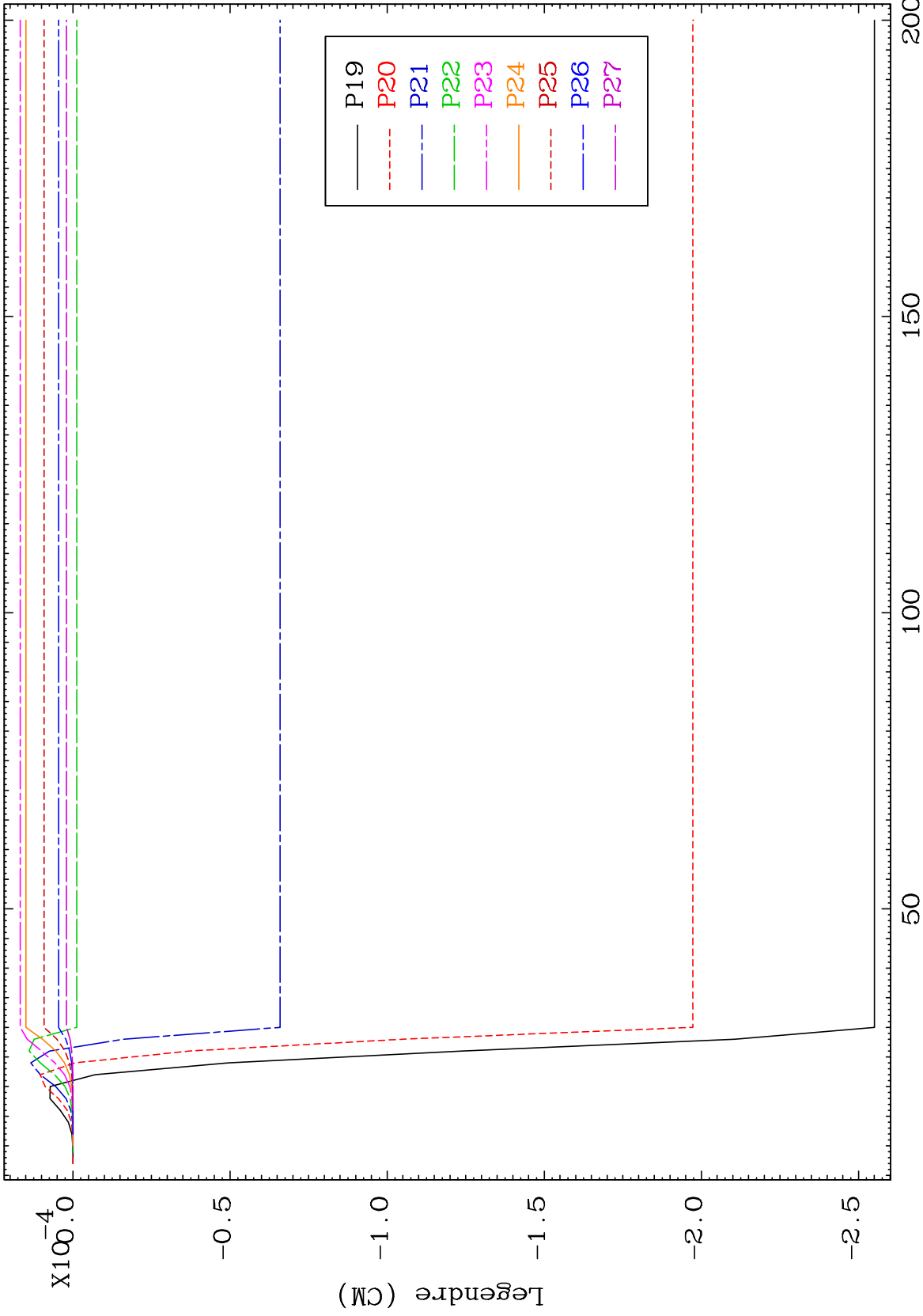


83 60-Nd-147

MAT 6040

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

60-Nd-147

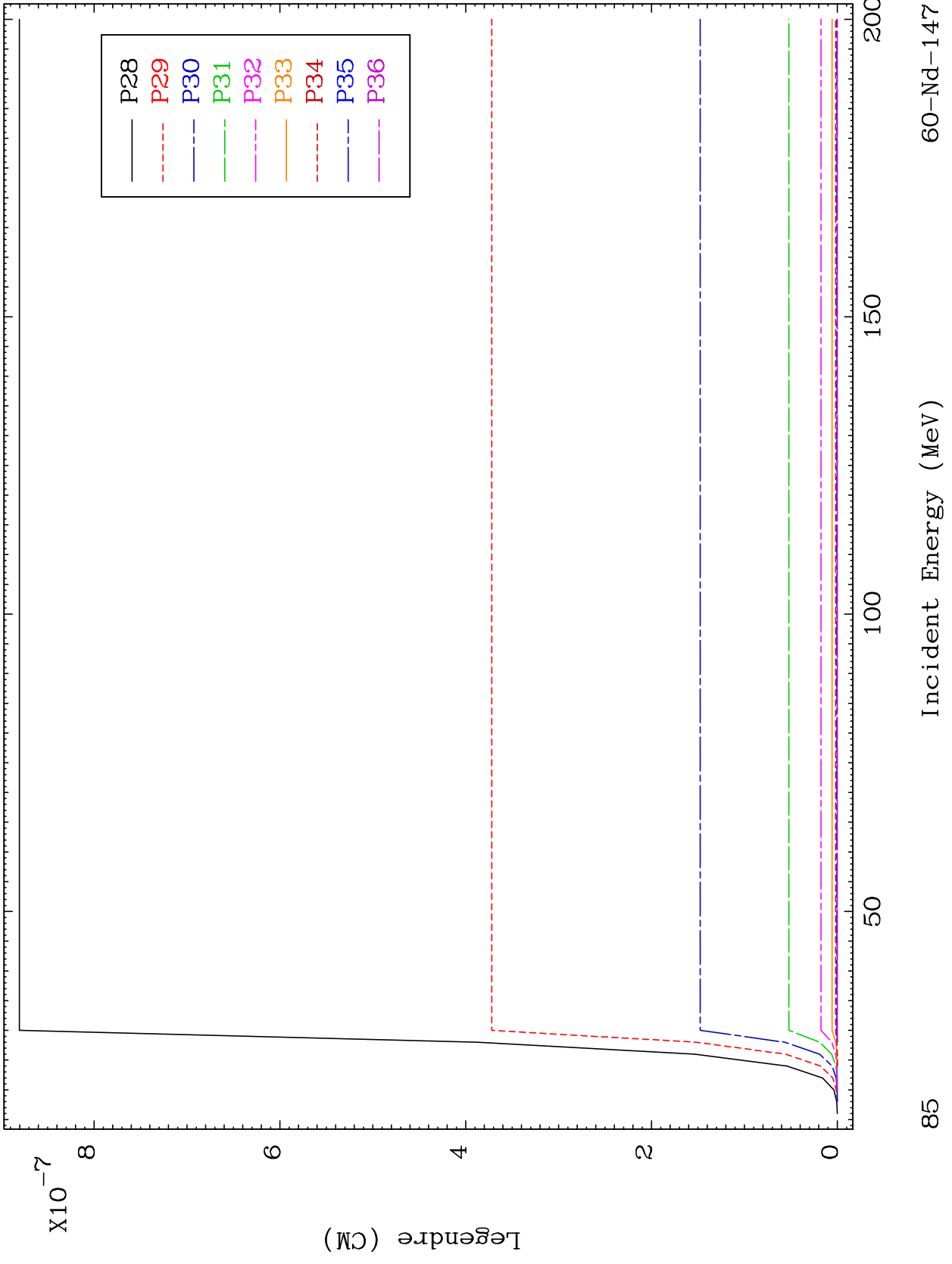


60-Nd-147

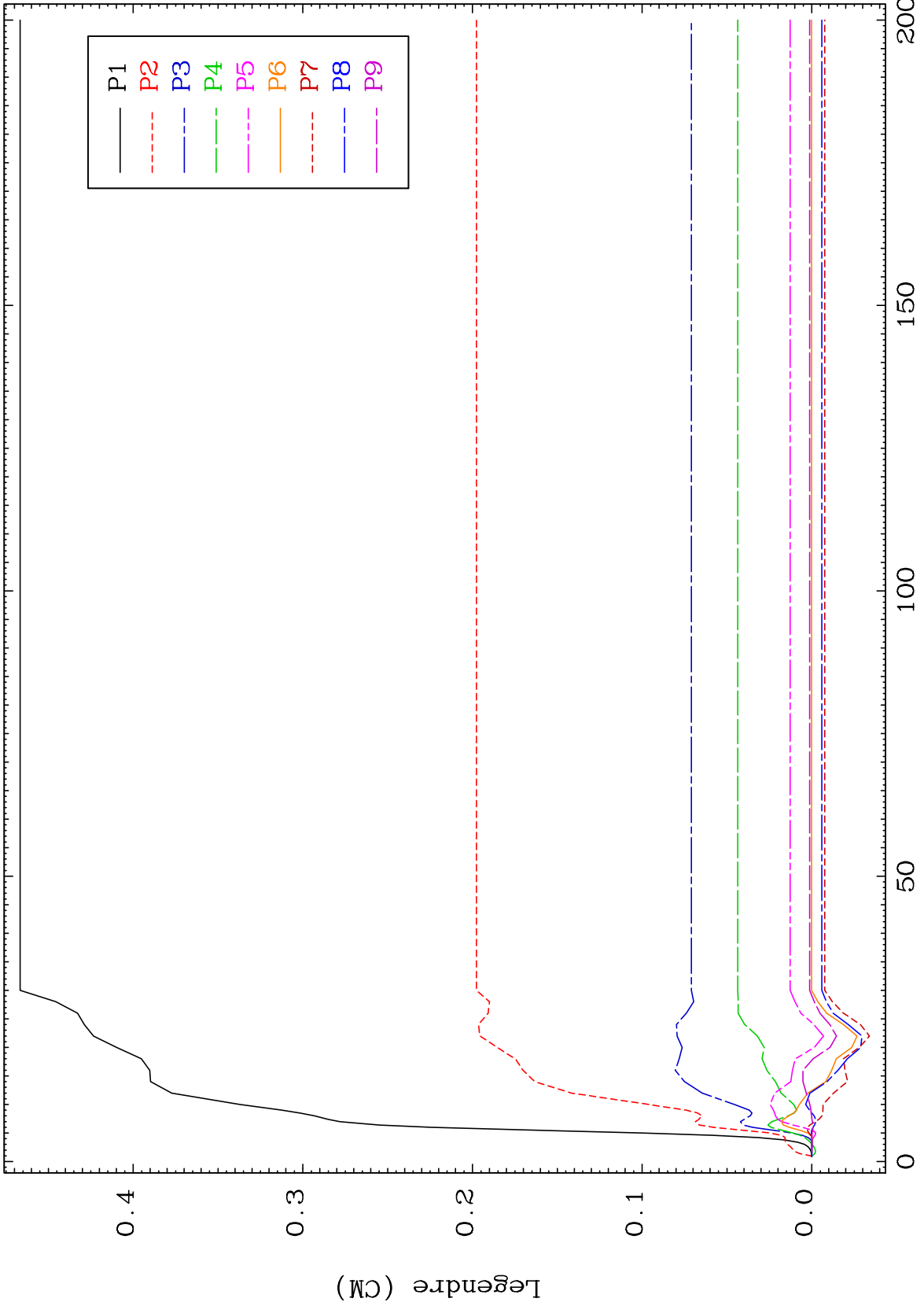
Incident Energy (MeV)

84

MAT 6040 MT= 66 (n,n') Level Legendre Coefficients 60-Nd-147

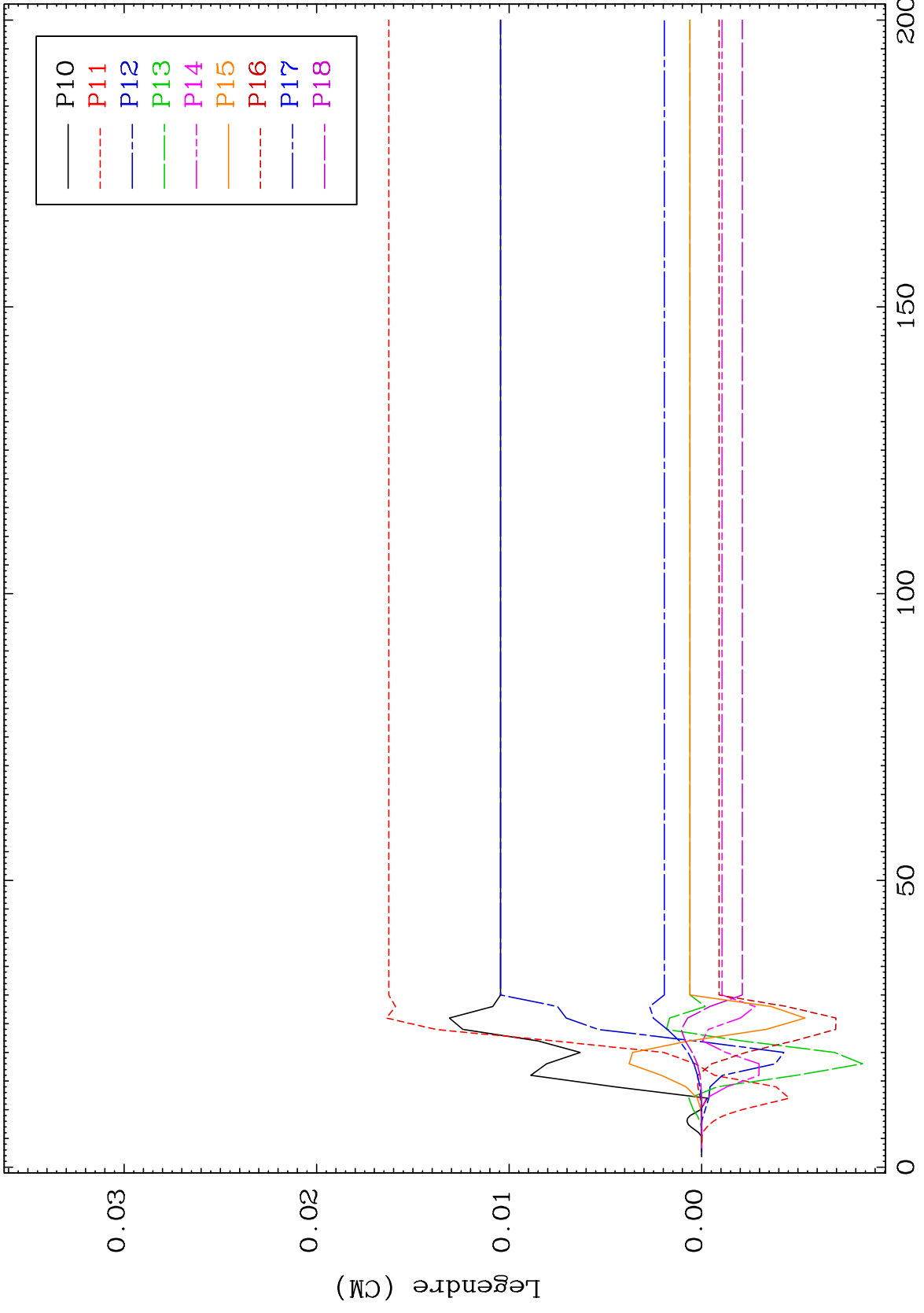


MAT 6040 MT= 67 (n,n') Level Legendre Coefficients 60-Nd-147



86 Incident Energy (MeV) 60-Nd-147

MAT 6040 MT= 67 (n,n') Level Legendre Coefficients 60-Nd-147

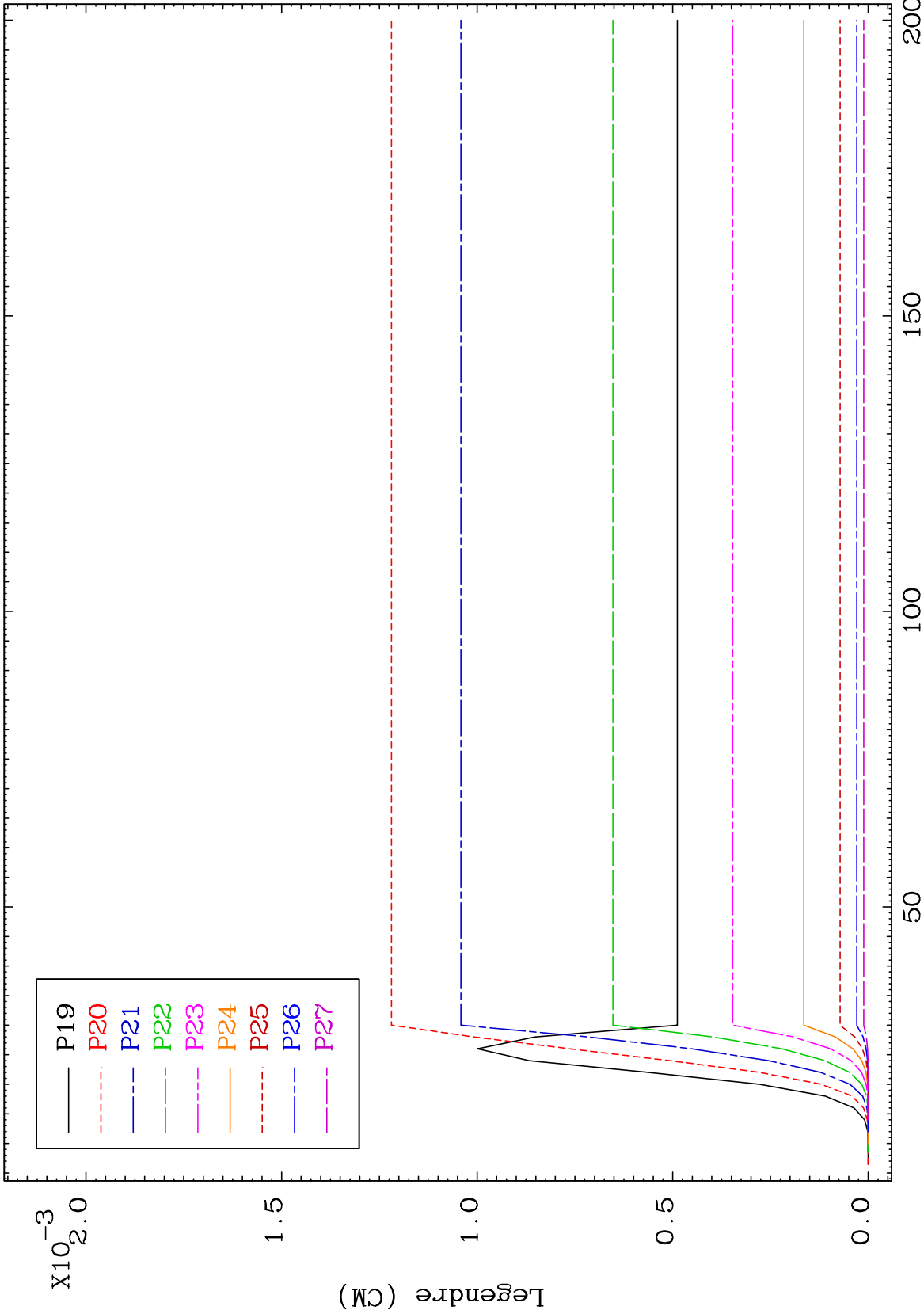
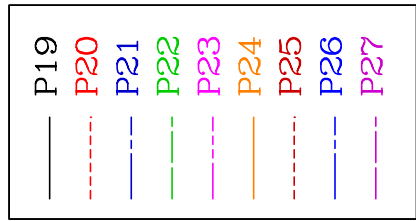


87 60-Nd-147

MAT 6040

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

60-Nd-147



88

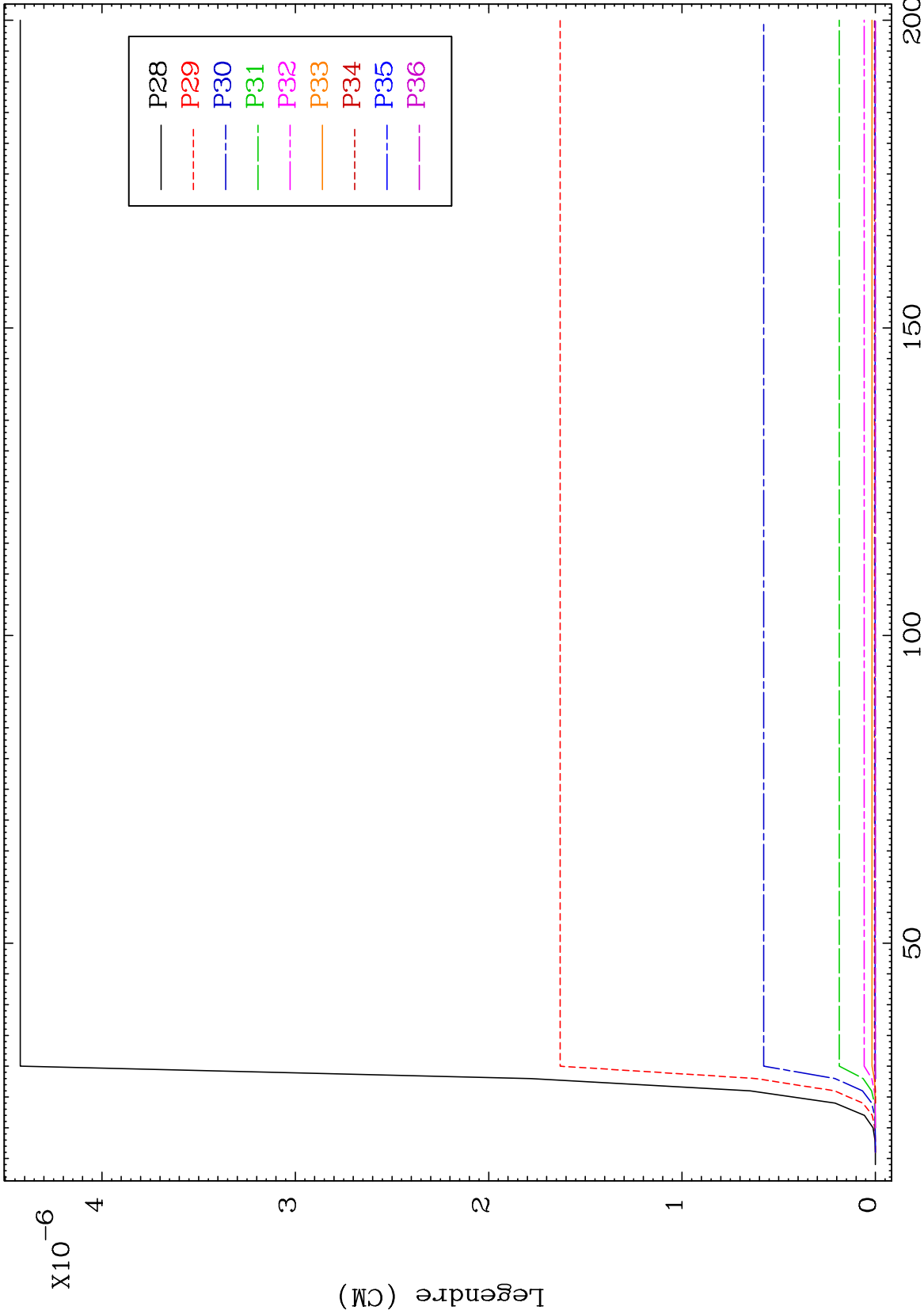
Incident Energy (MeV)

60-Nd-147

MAT 6040

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

60-Nd-147

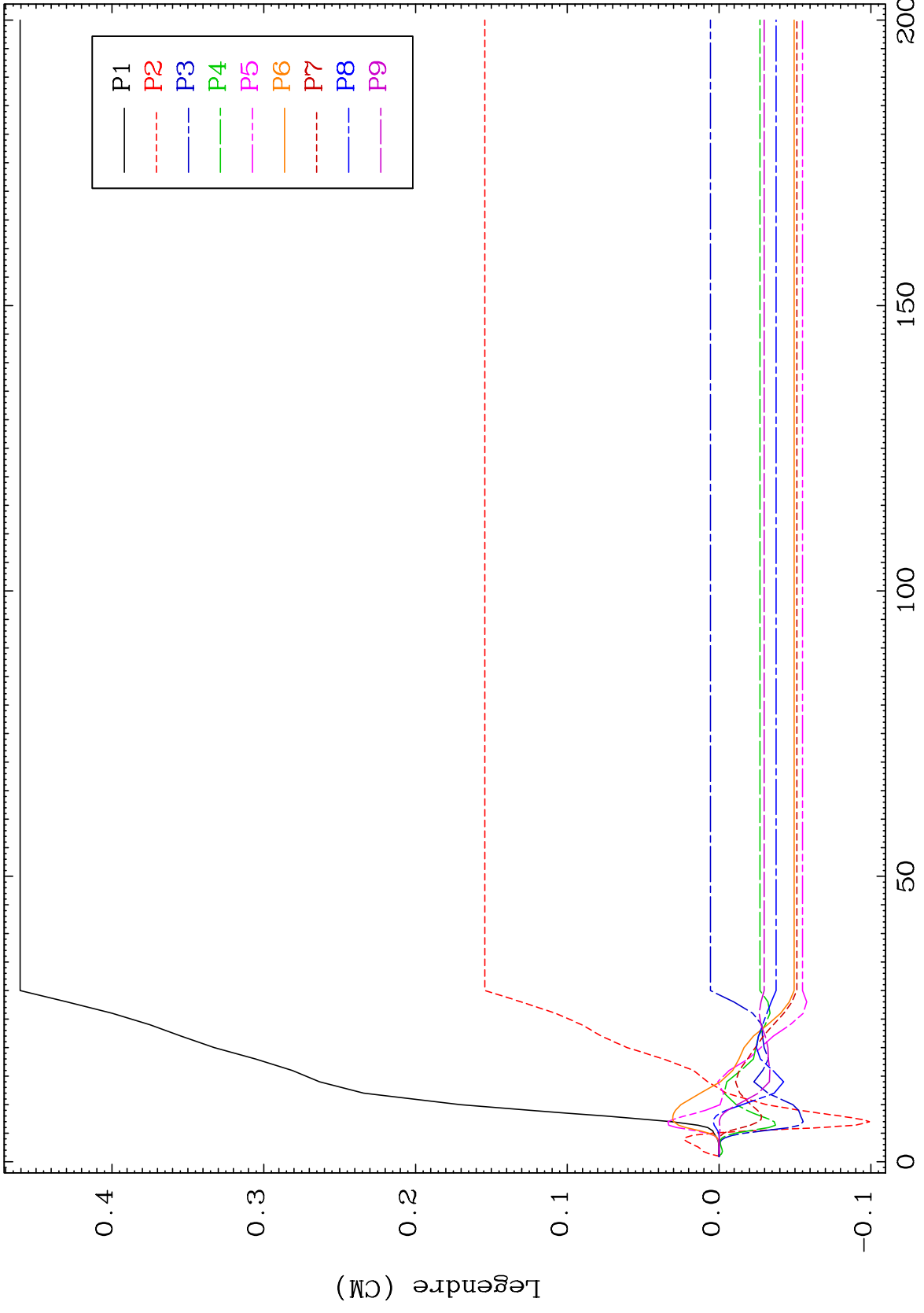


89

Incident Energy (MeV)

60-Nd-147

MAT 6040 MT= 68 (n,n') Level Legendre Coefficients 60-Nd-147

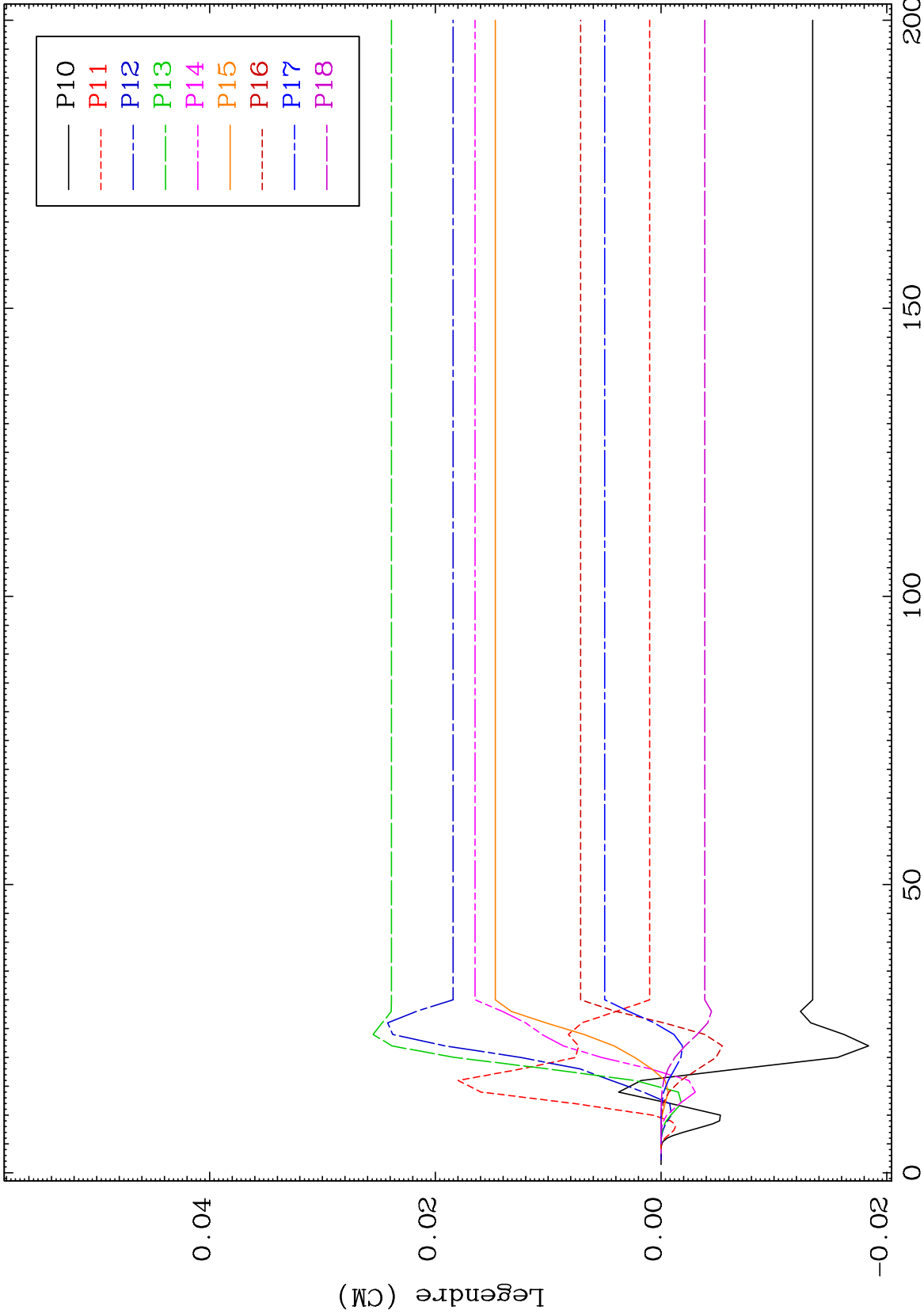


60-Nd-147

MAT 6040

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

60-Nd-147



91

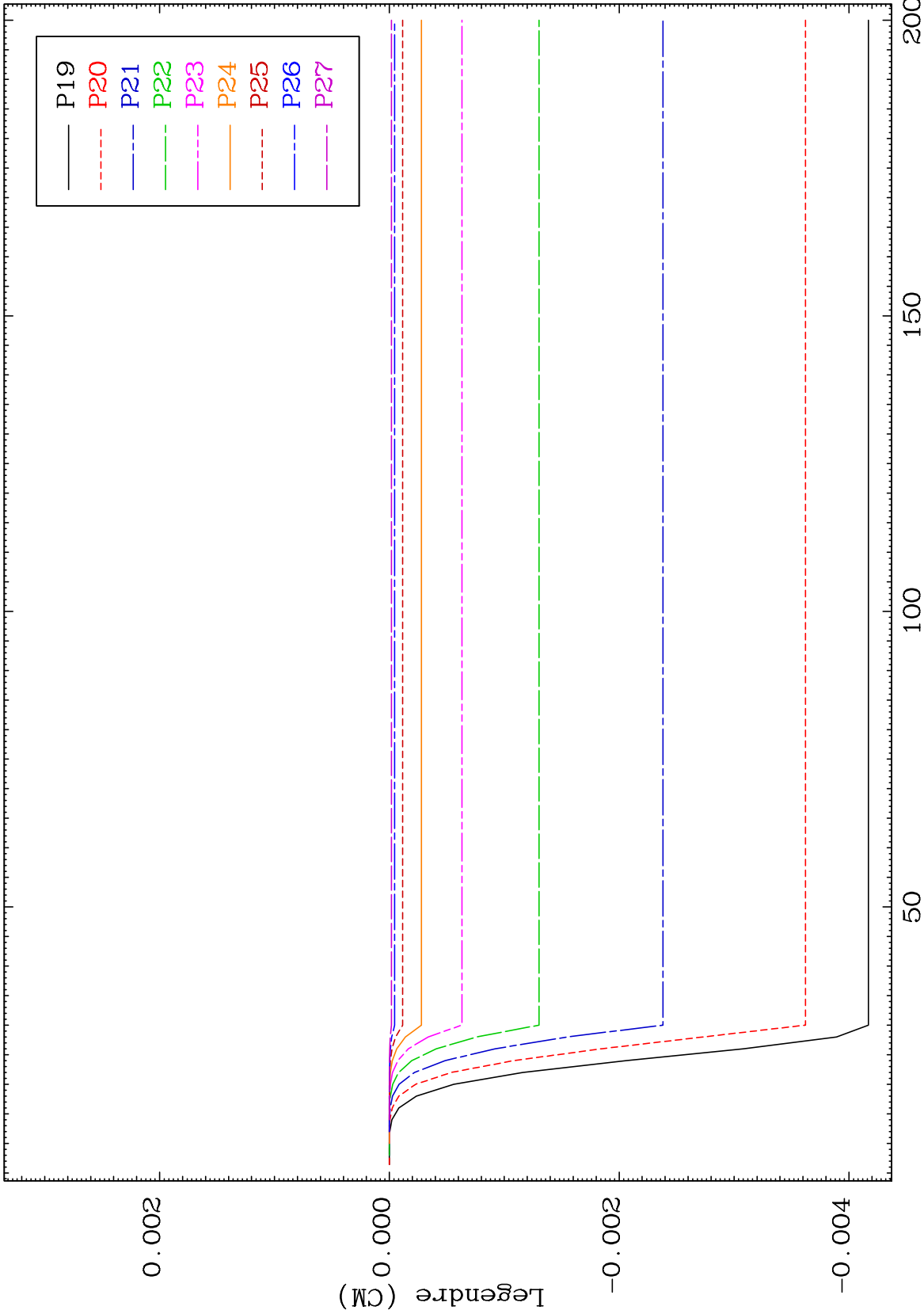
Incident Energy (MeV)

60-Nd-147

MAT 6040

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

60-Nd-147



92

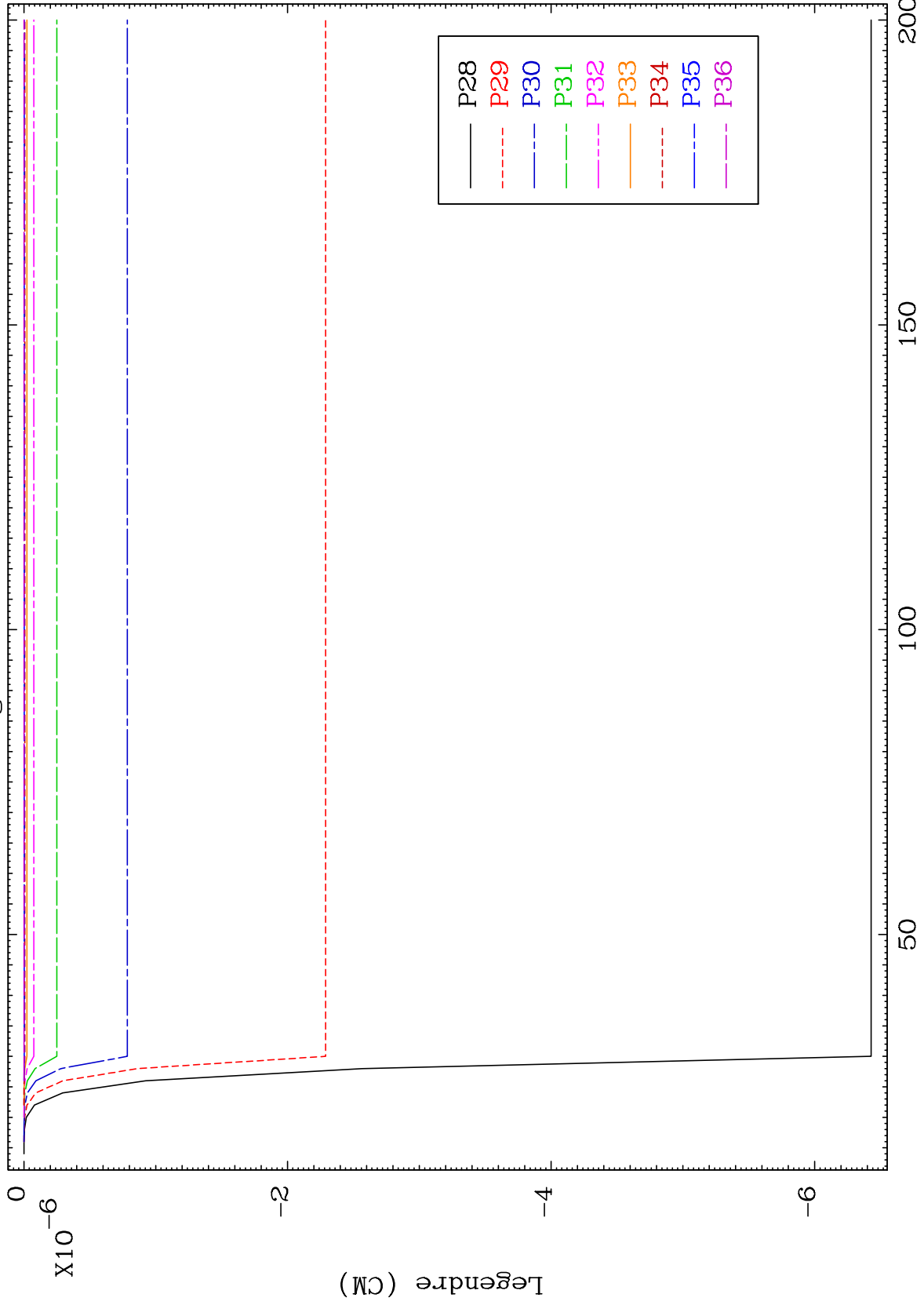
Incident Energy (MeV)

60-Nd-147

MAT 6040

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

60-Nd-147

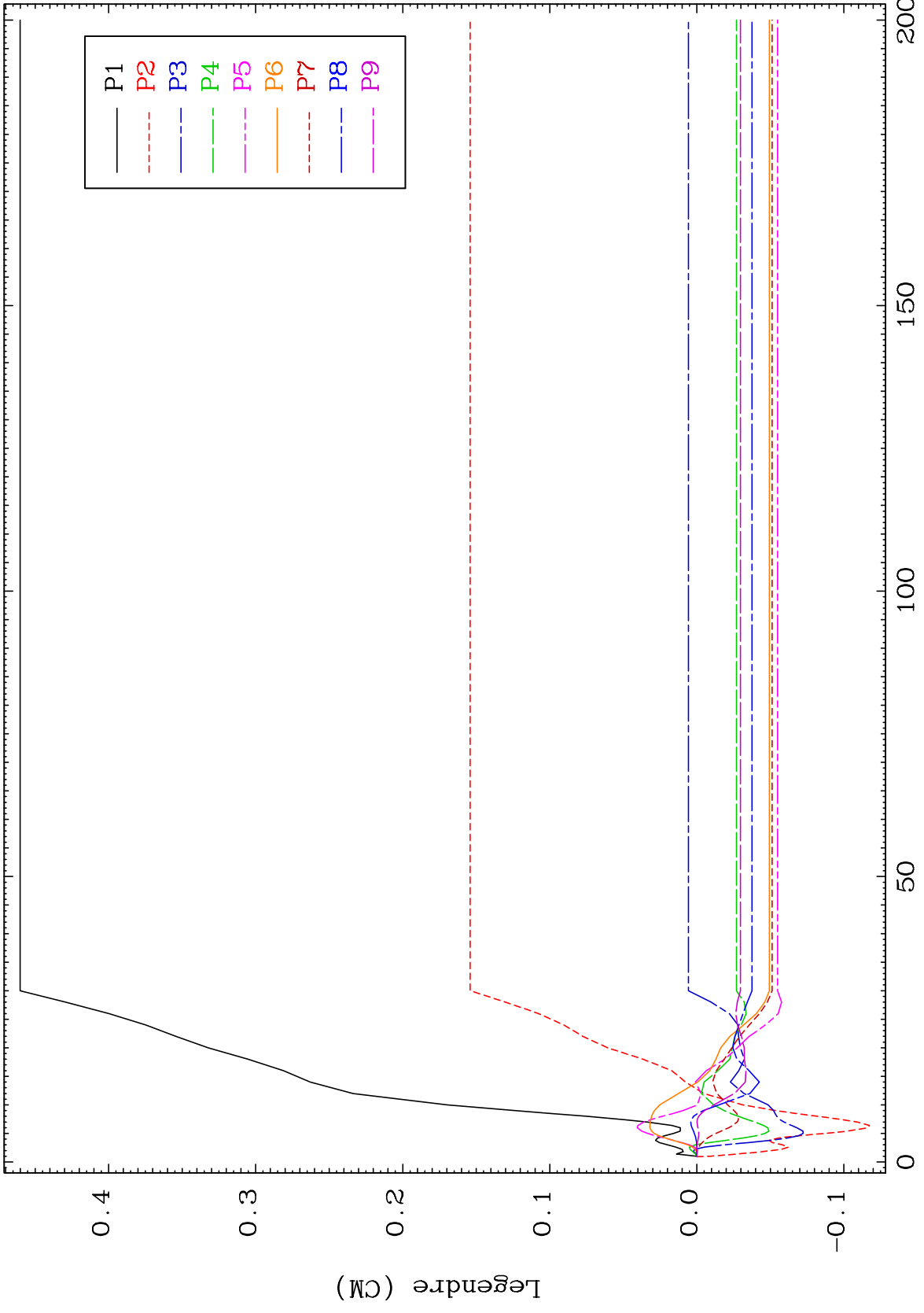


93

Incident Energy (MeV)

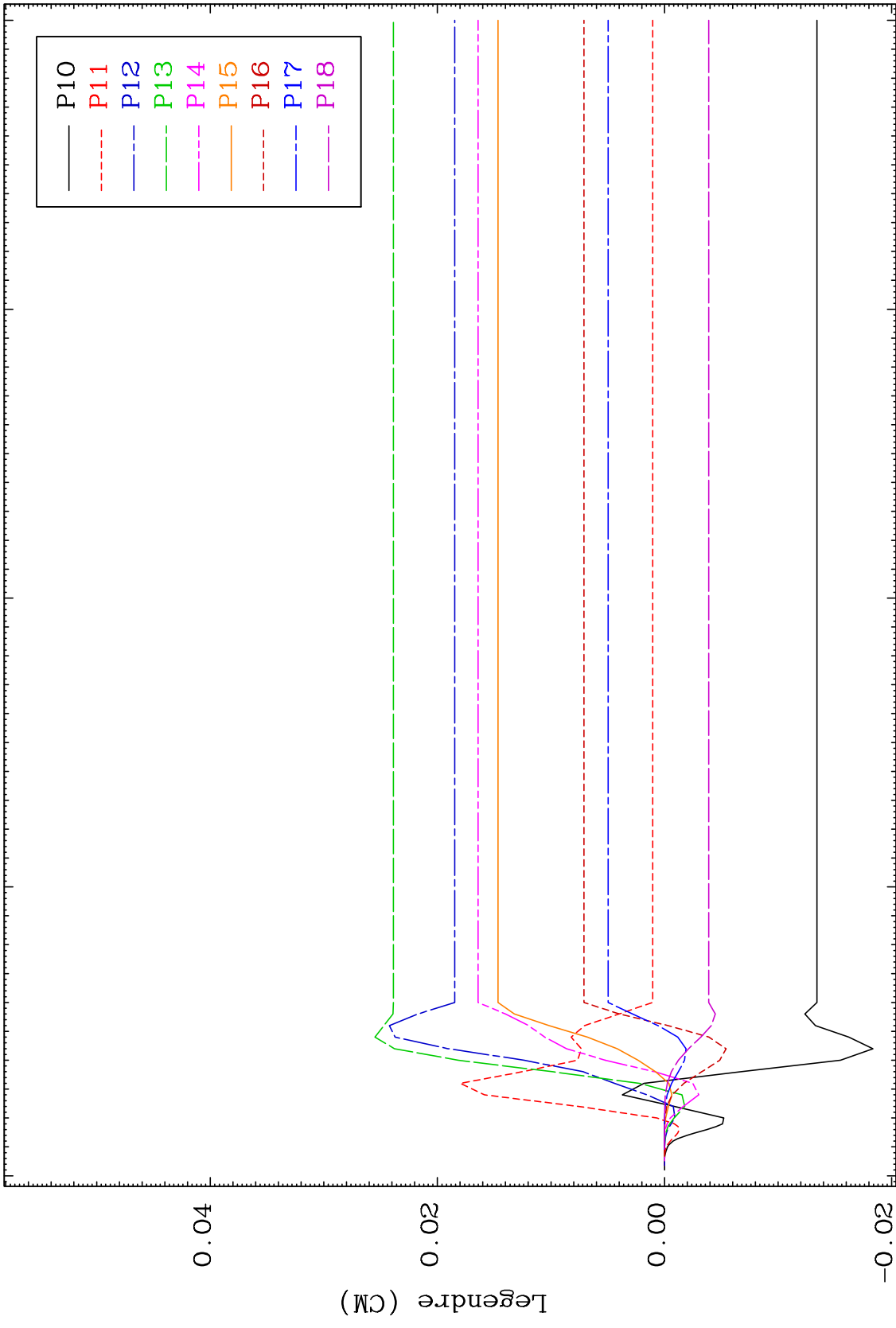
60-Nd-147

MAT 6040 MT= 69 (n,n') Level Legendre Coefficients 60-Nd-147



94 60-Nd-147

MAT 6040 MT= 69 (n,n') Level Legendre Coefficients 60-Nd-147

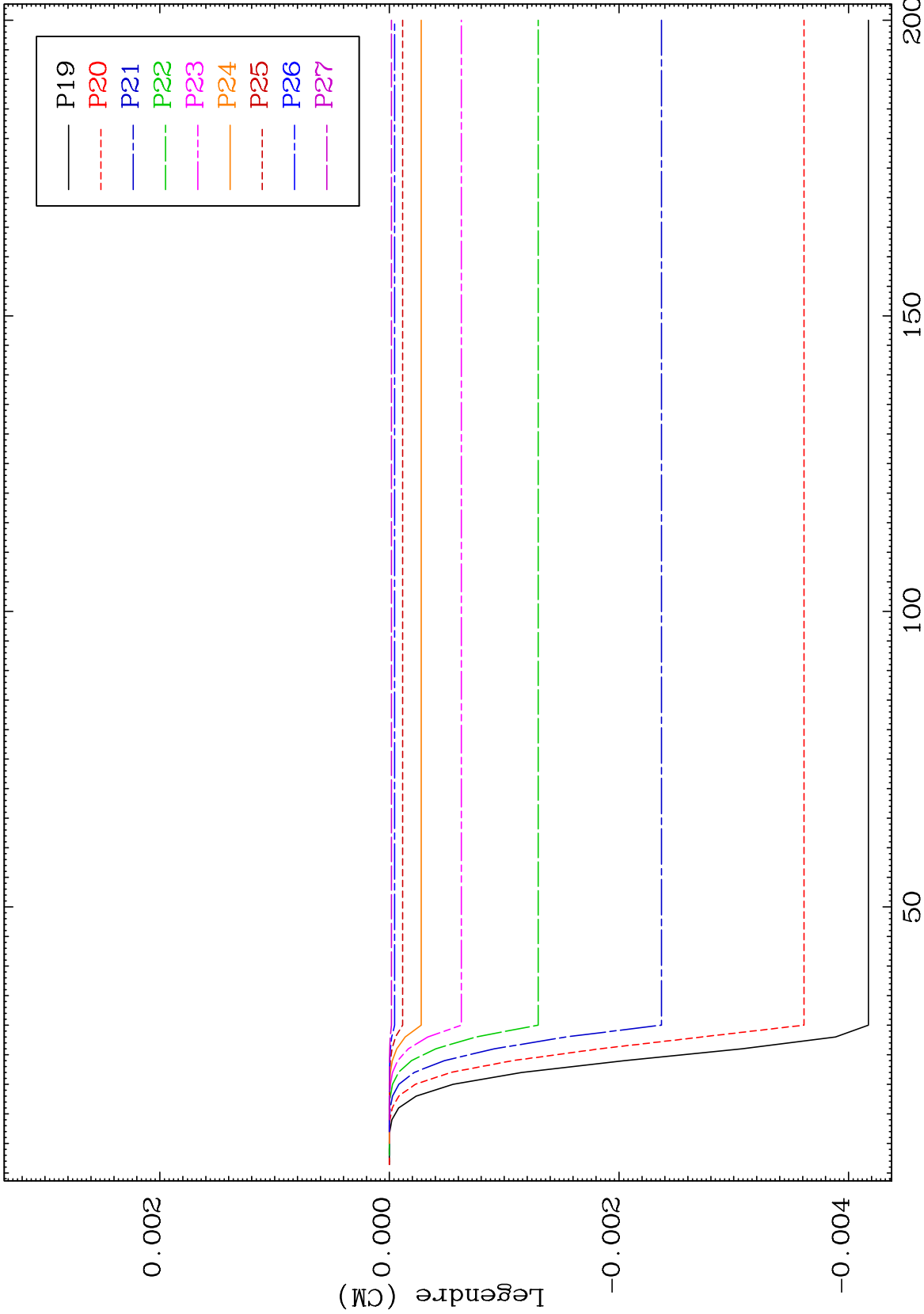


95 Incident Energy (MeV) 60-Nd-147

MAT 6040

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

60-Nd-147



96

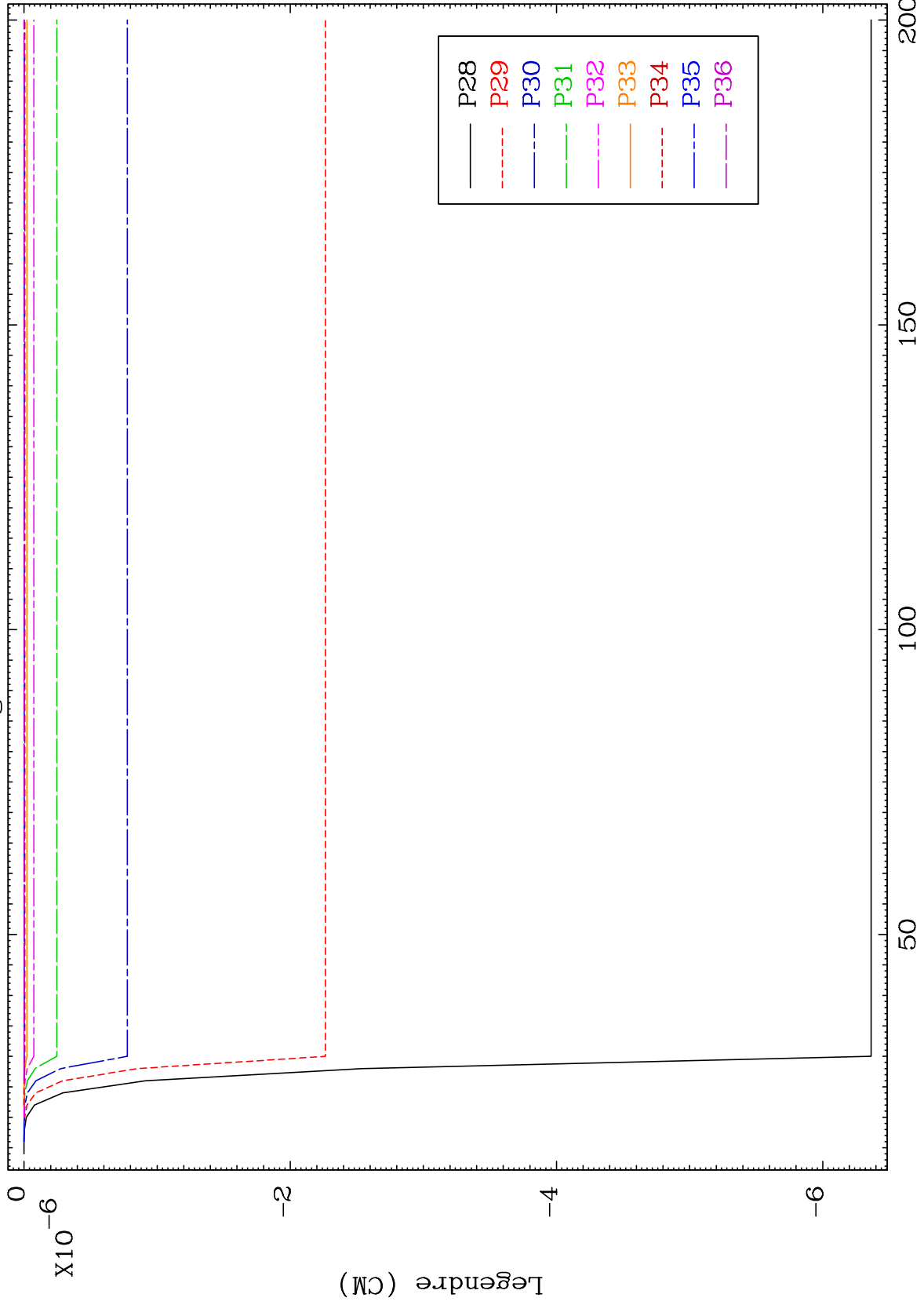
Incident Energy (MeV)

60-Nd-147

MAT 6040

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

60-Nd-147

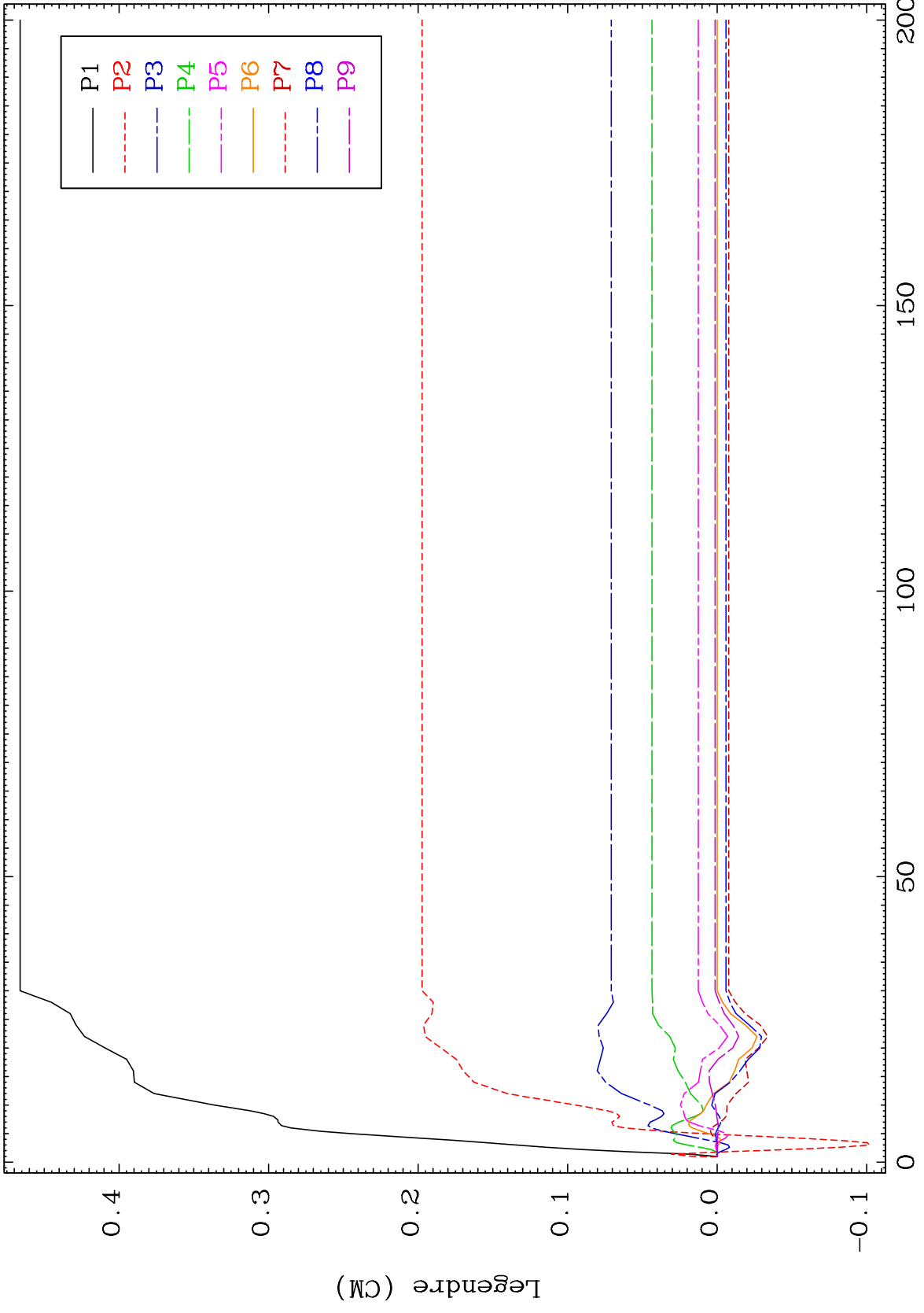


60-Nd-147

Incident Energy (MeV)

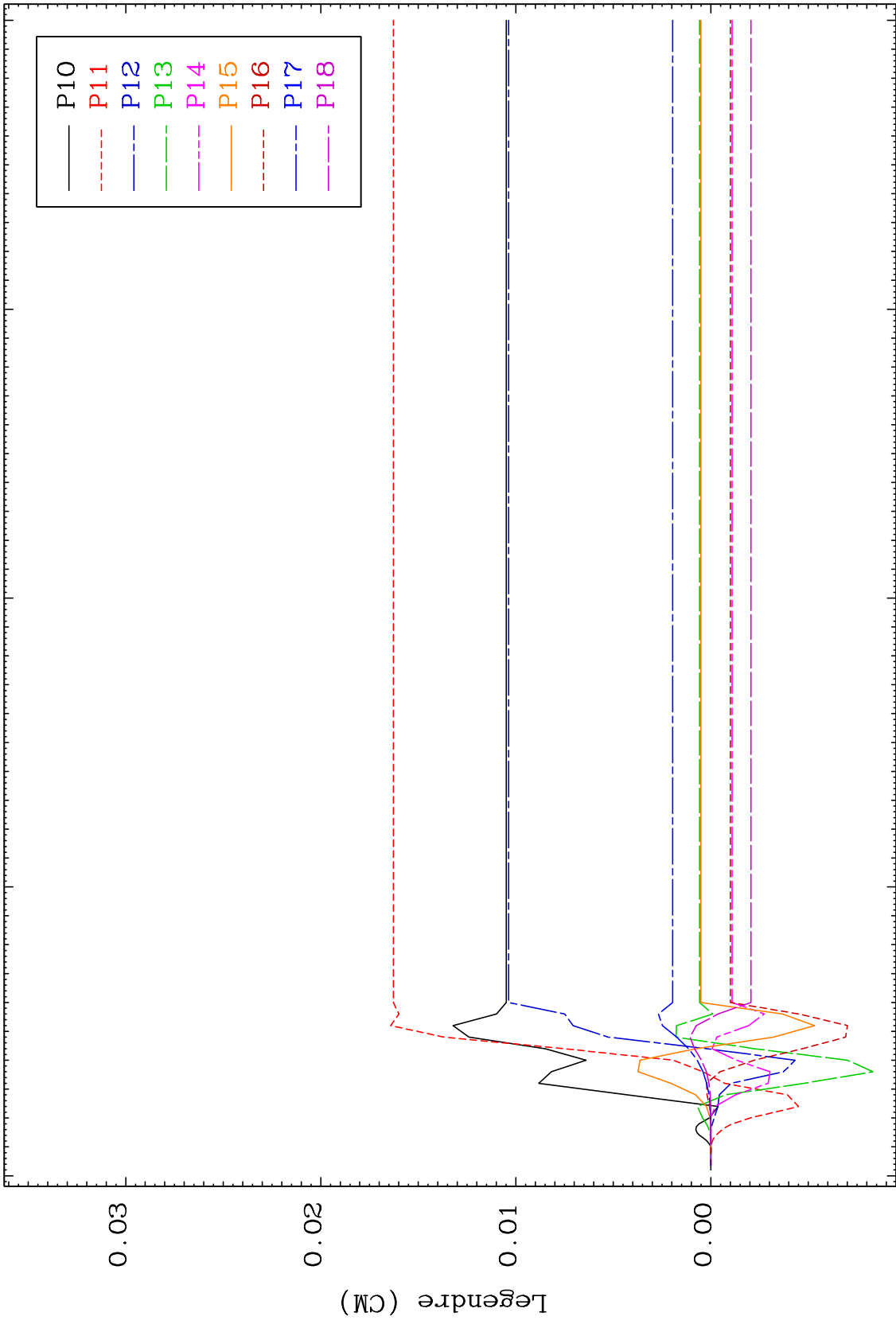
97

MAT 6040 MT= 70 (n,n') Level Legendre Coefficients 60-Nd-147



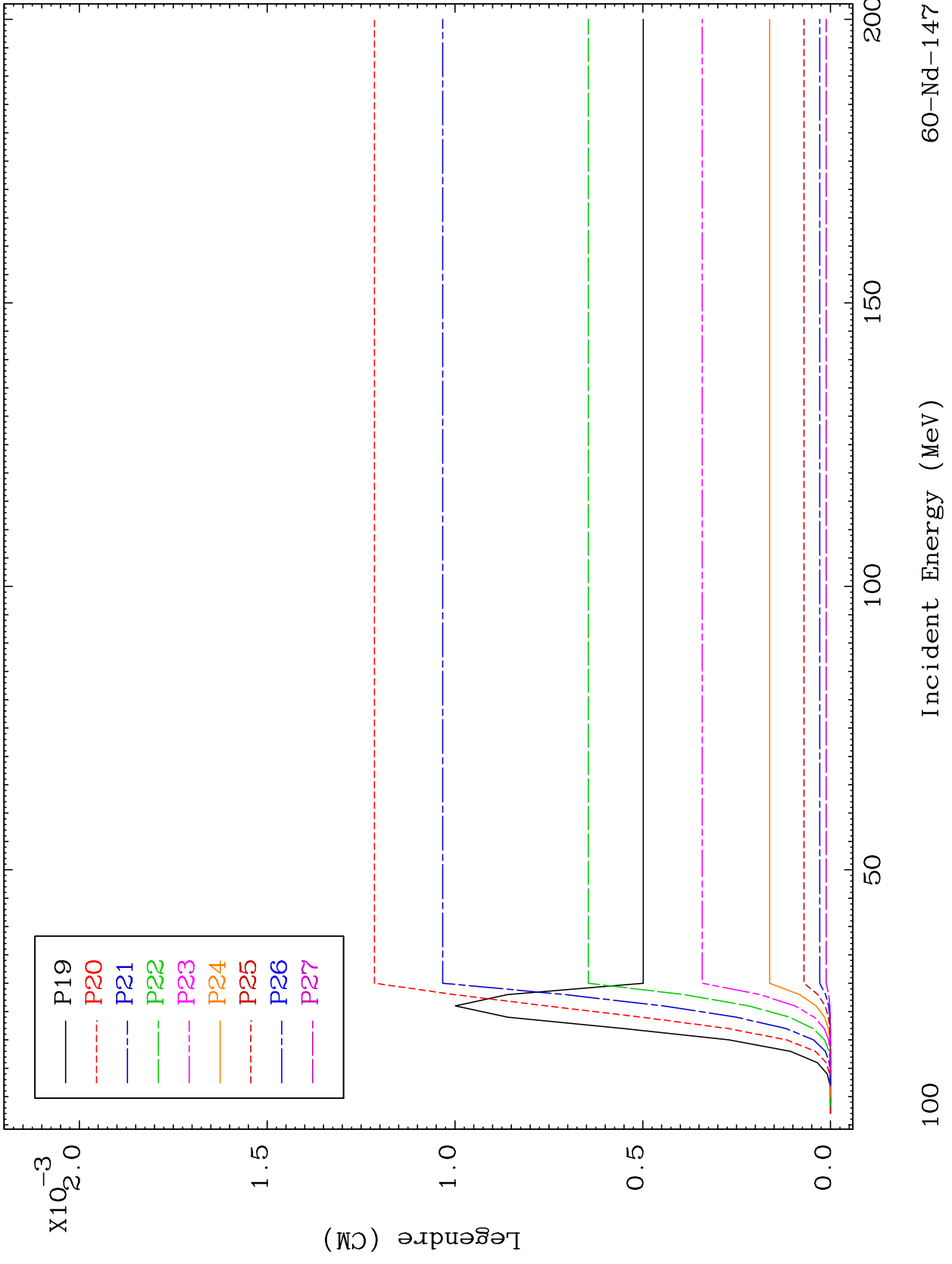
98 Incident Energy (MeV) 60-Nd-147

MAT 6040 MT= 70 (n,n') Level Legendre Coefficients 60-Nd-147



99 Incident Energy (MeV) 60-Nd-147

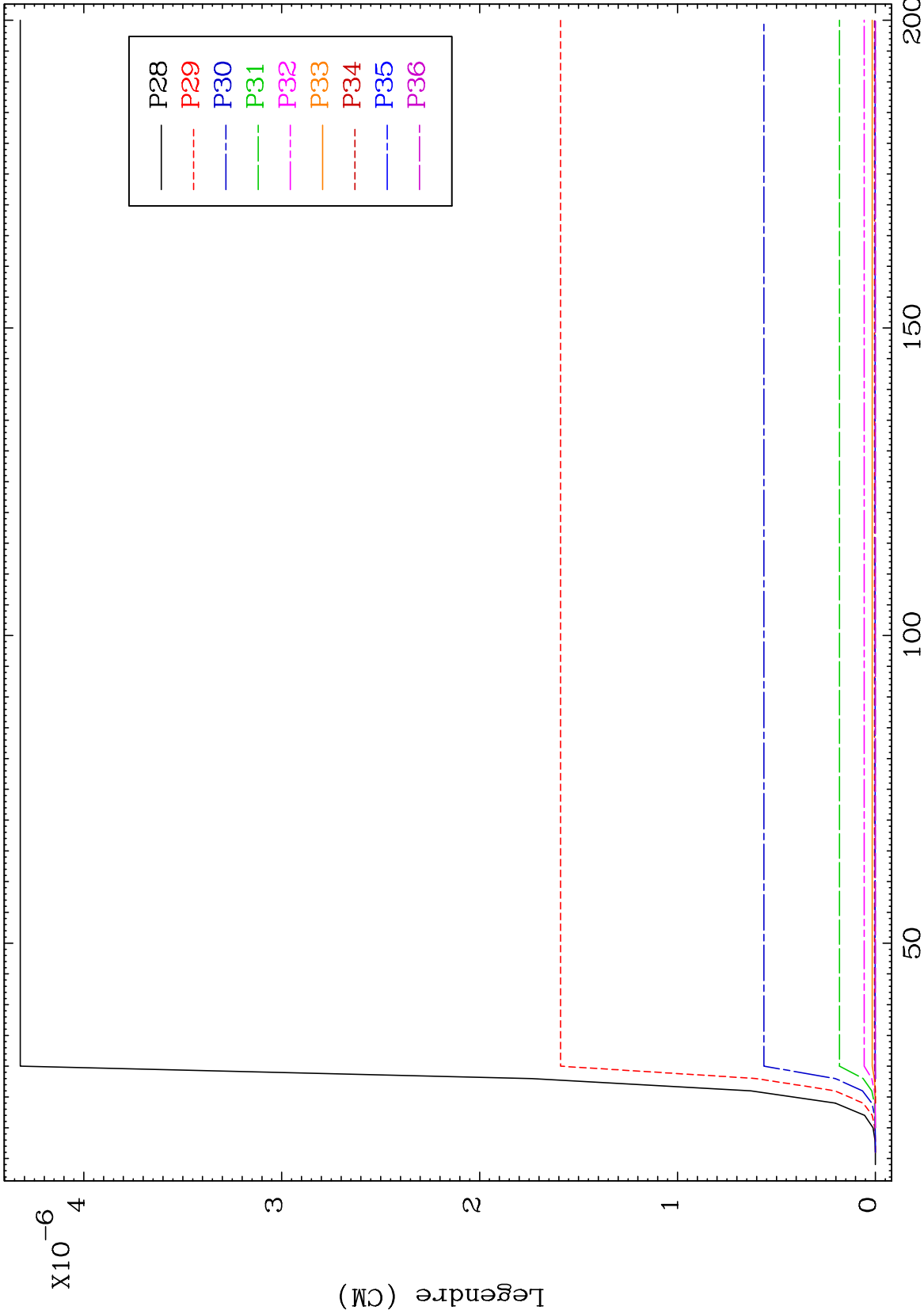
MAT 6040 MT= 70 (n,n') Level Legendre Coefficients 60-Nd-147



MAT 6040

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

60-Nd-147



101

Incident Energy (MeV)

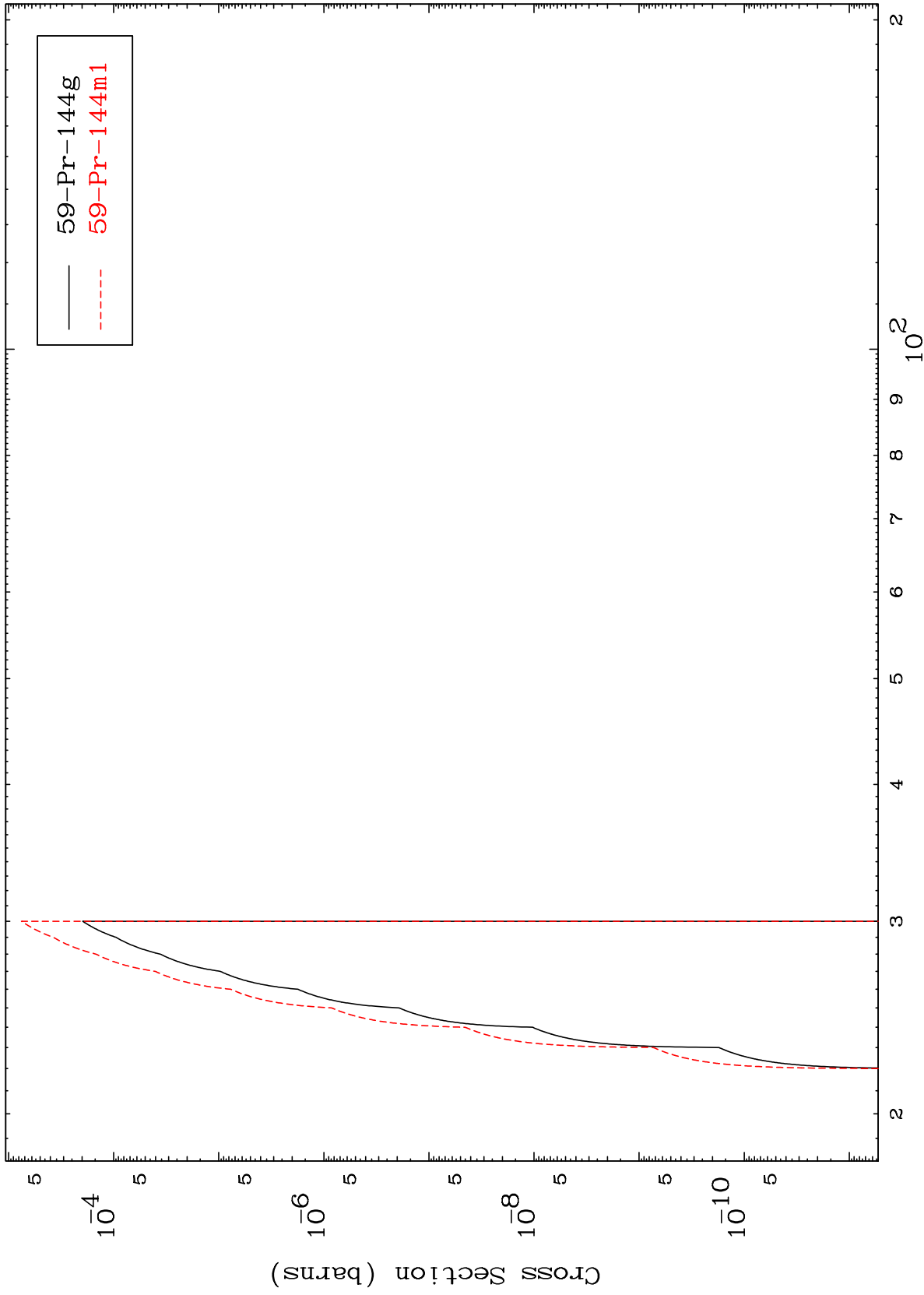
60-Nd-147

MAT 6040

(n,2n) d

60-Nd-147

Radionuclide Production Cross Section



102

Incident Energy (MeV)

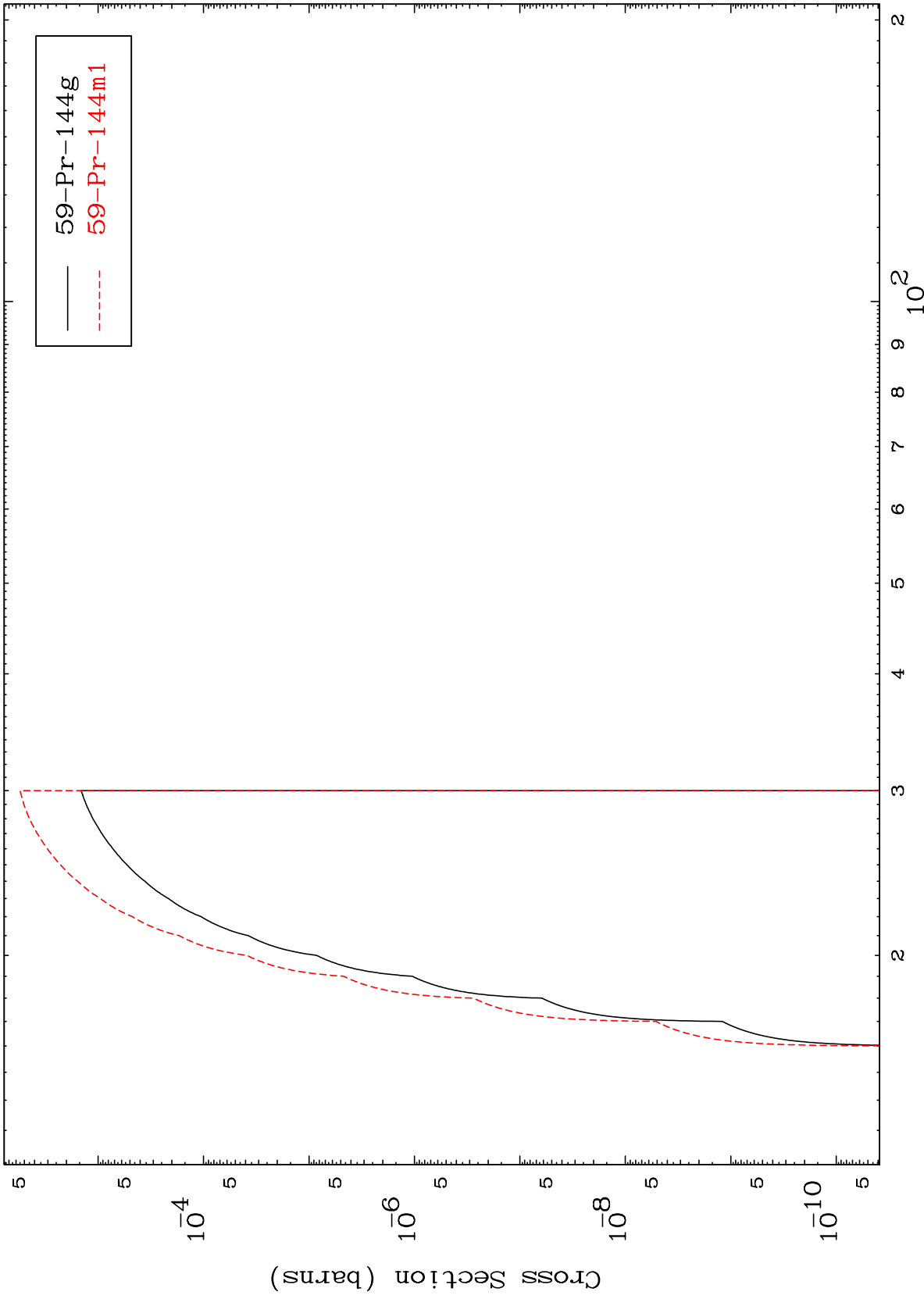
60-Nd-147

MAT 6040

(n, n') t

<sup>60</sup>Nd-147

Radionuclide Production Cross Section



— 59-Pr-144g  
- - - 59-Pr-144m1

103

Incident Energy (MeV)

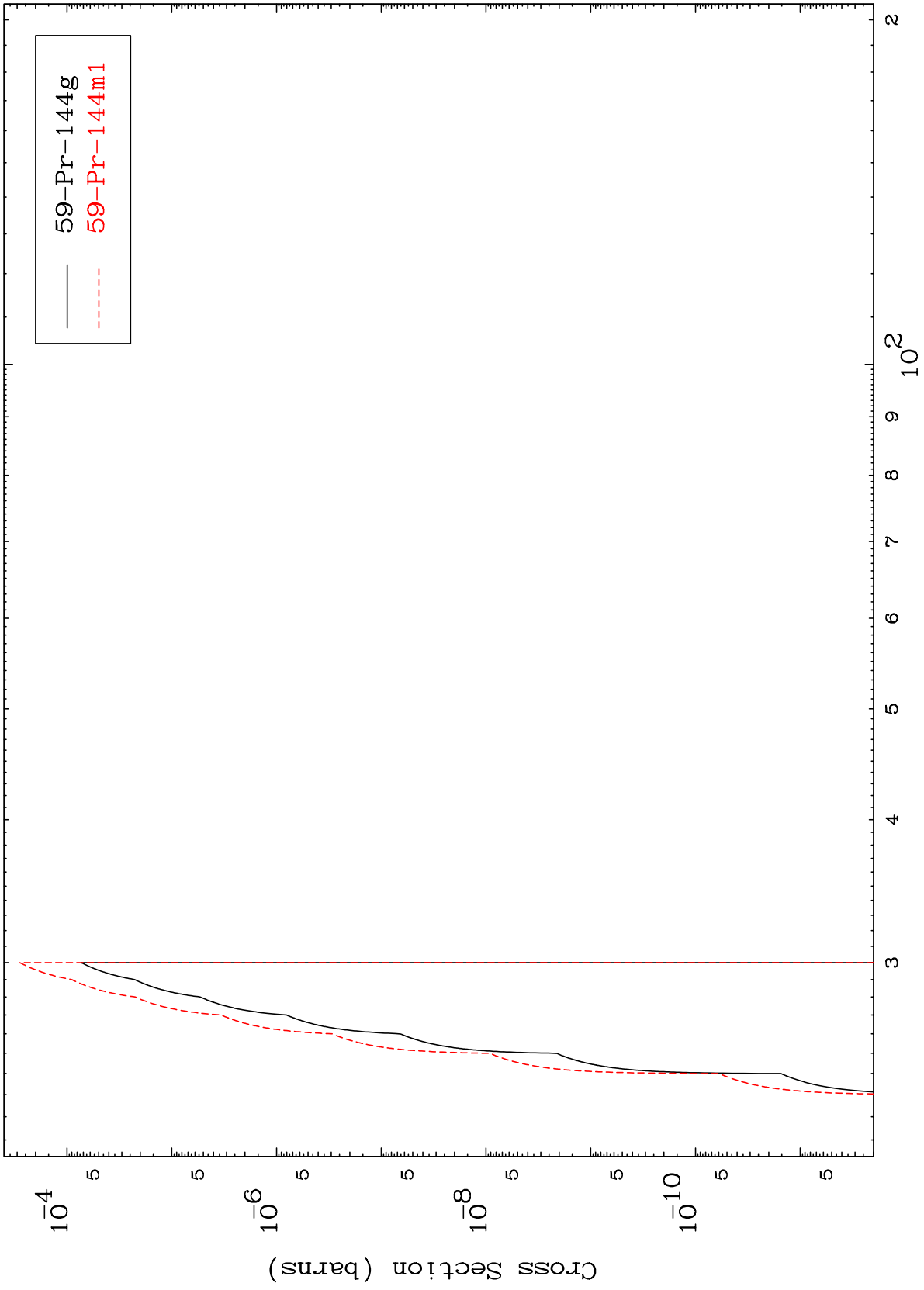
<sup>60</sup>Nd-147

MAT 6040

(n,3n) p

<sup>60</sup>Nd-147

Radionuclide Production Cross Section



104

Incident Energy (MeV)

<sup>60</sup>Nd-147