

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

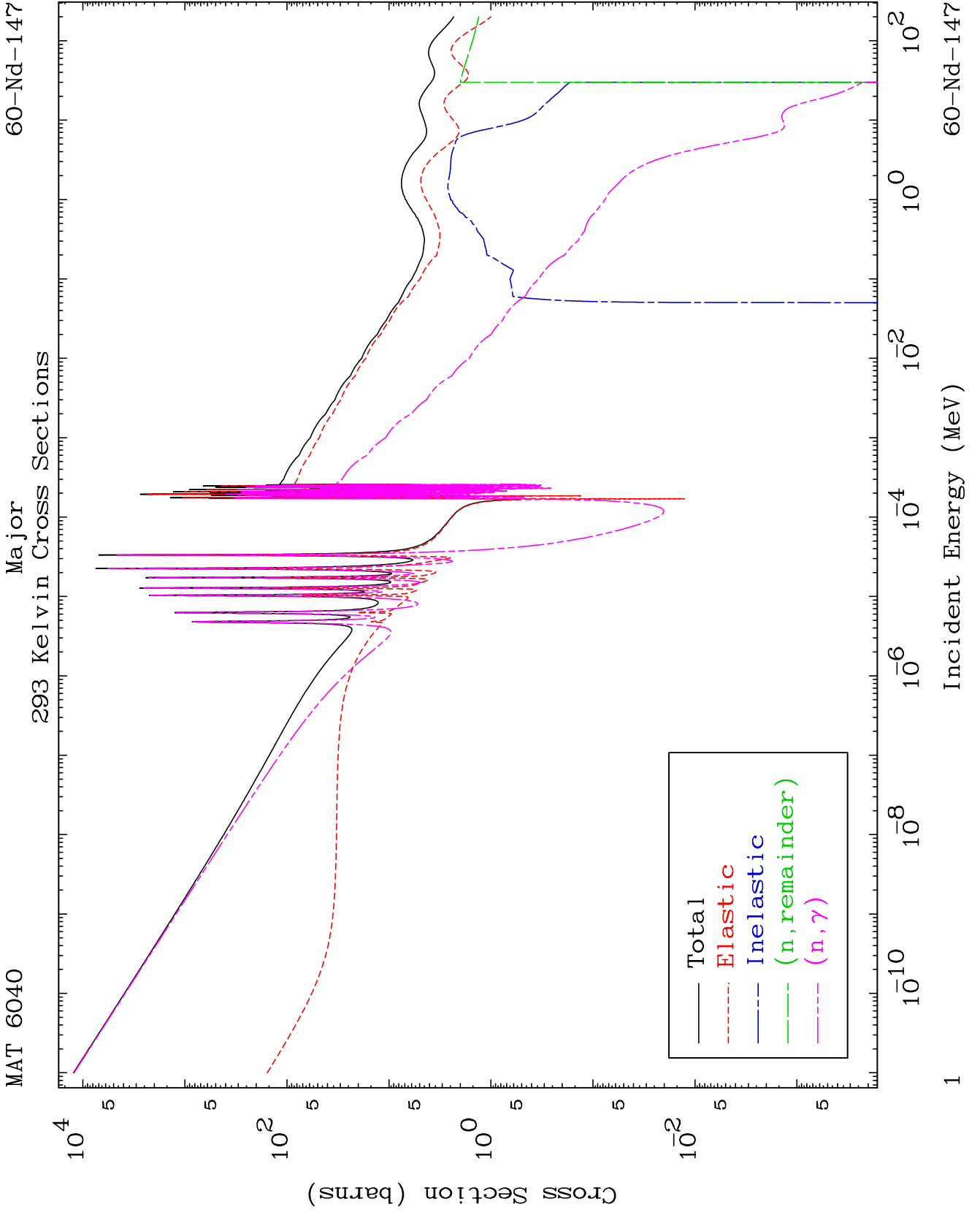
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E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)

Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

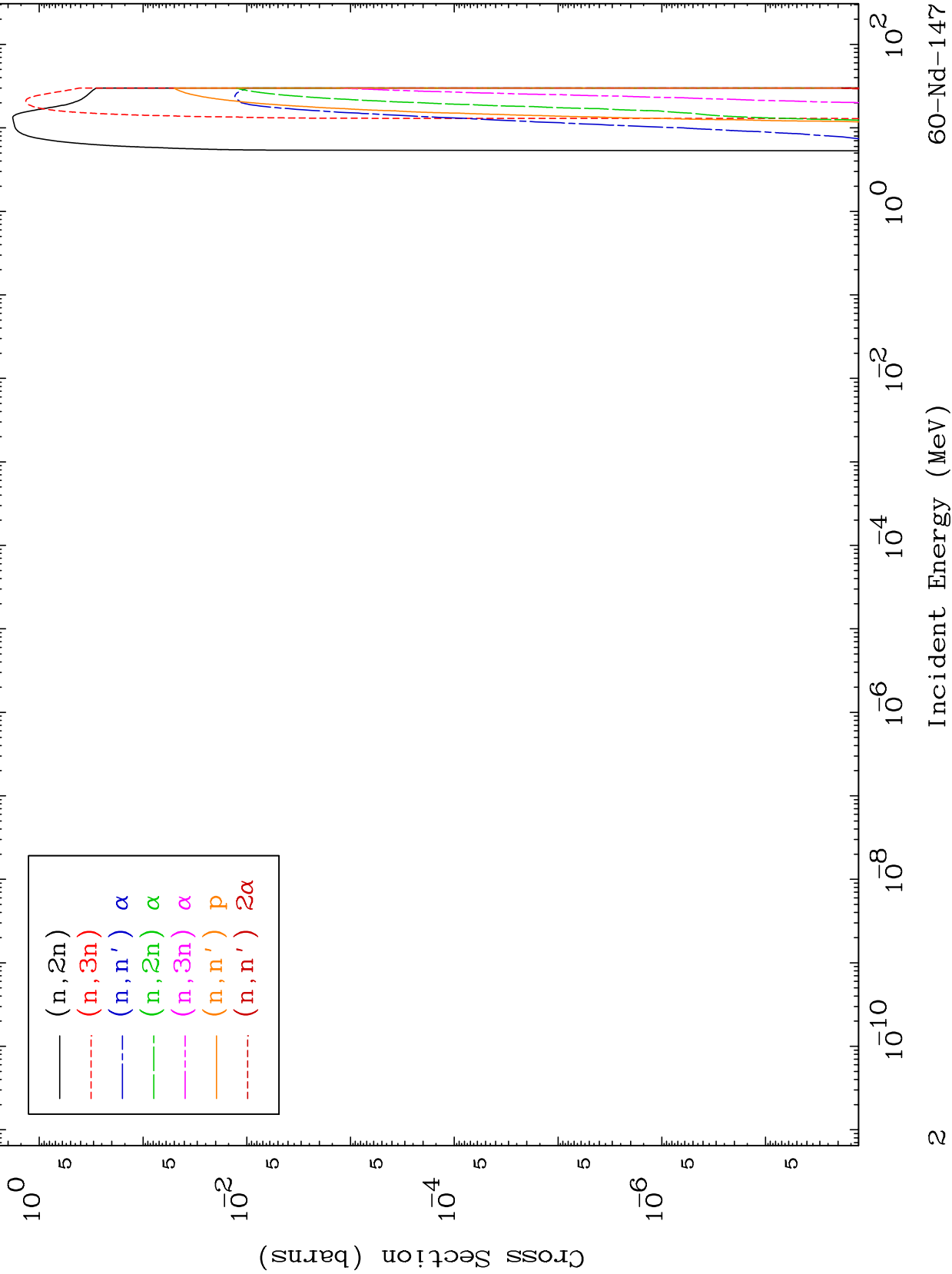
Press Mouse Button to Start



MAT 6040

Neutron Production  
293 Kelvin Cross Sections

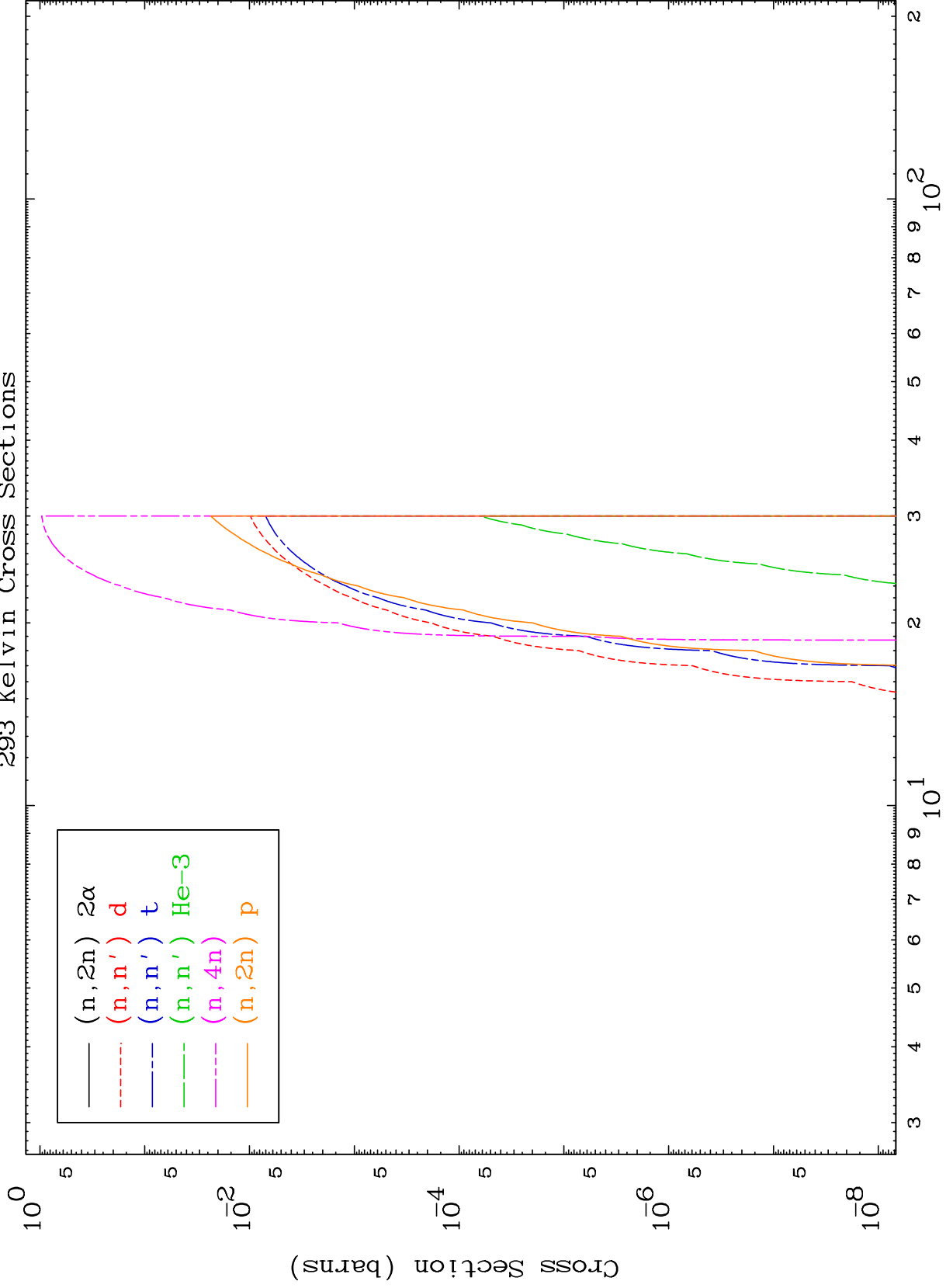
60-Nd-147



MAT 6040

Neutron Production  
293 Kelvin Cross Sections

60-Nd-147



3

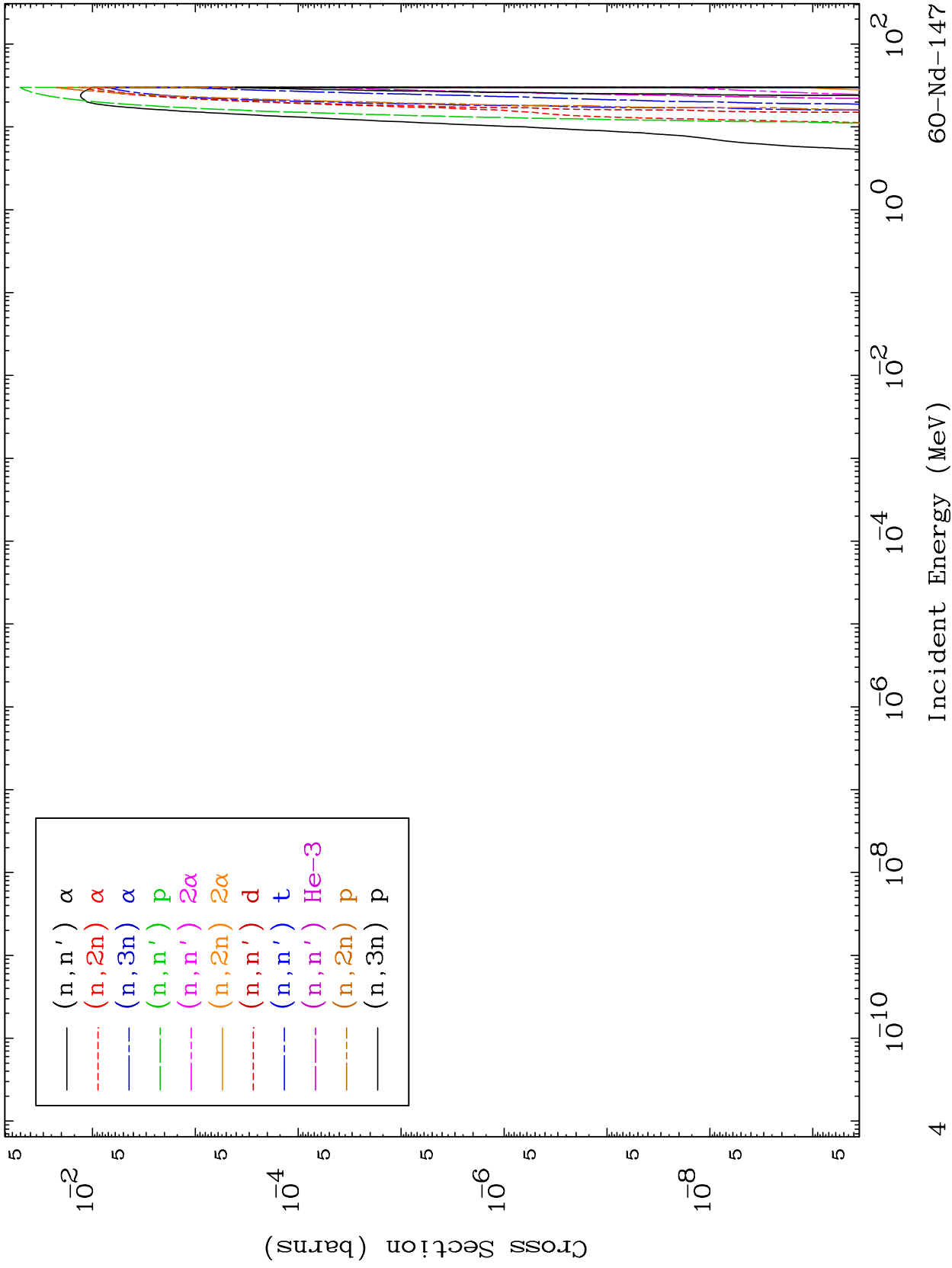
Incident Energy (MeV)

60-Nd-147

MAT 6040

Charged Particle  
293 Kelvin Cross Sections

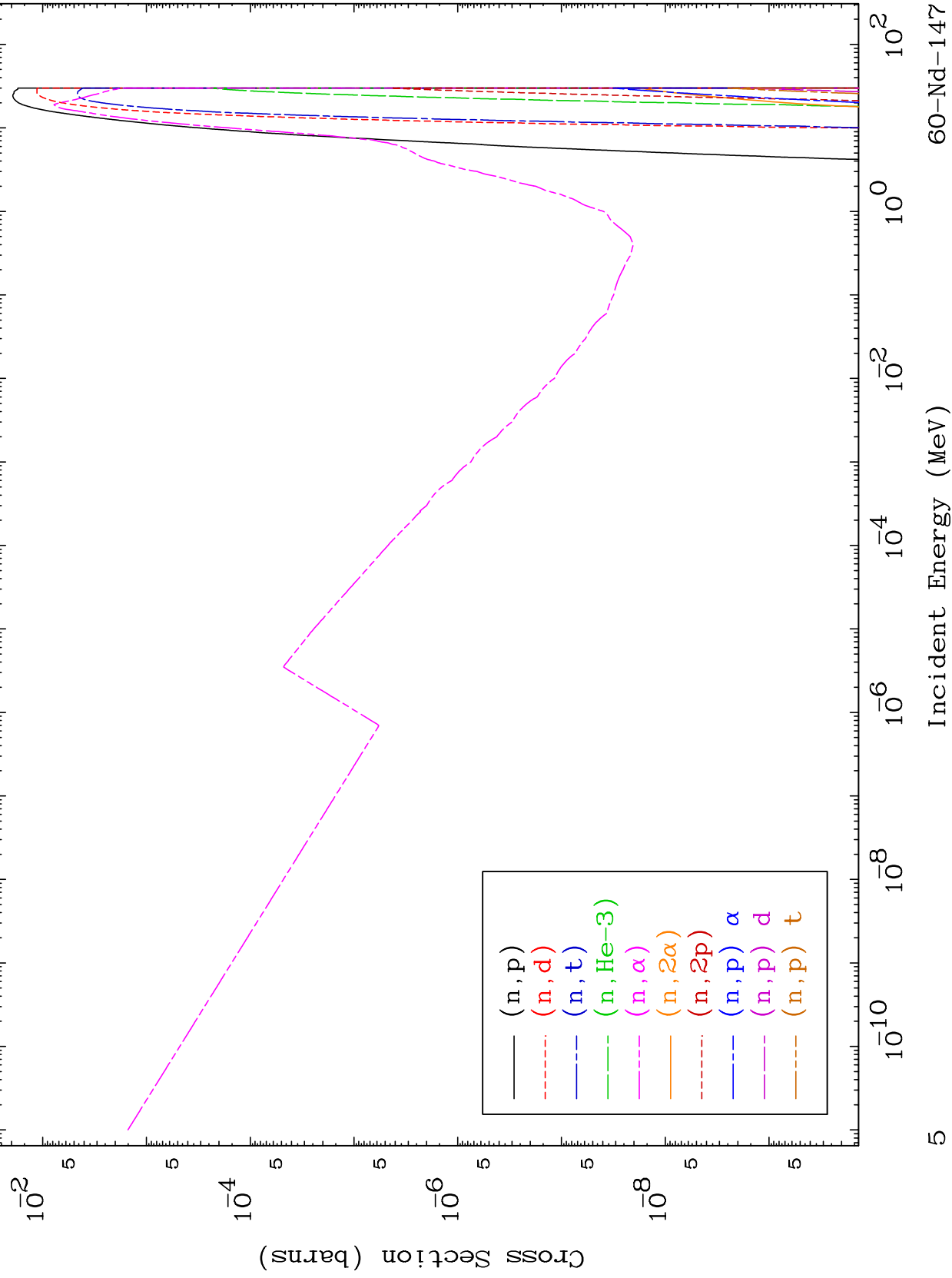
60-Nd-147

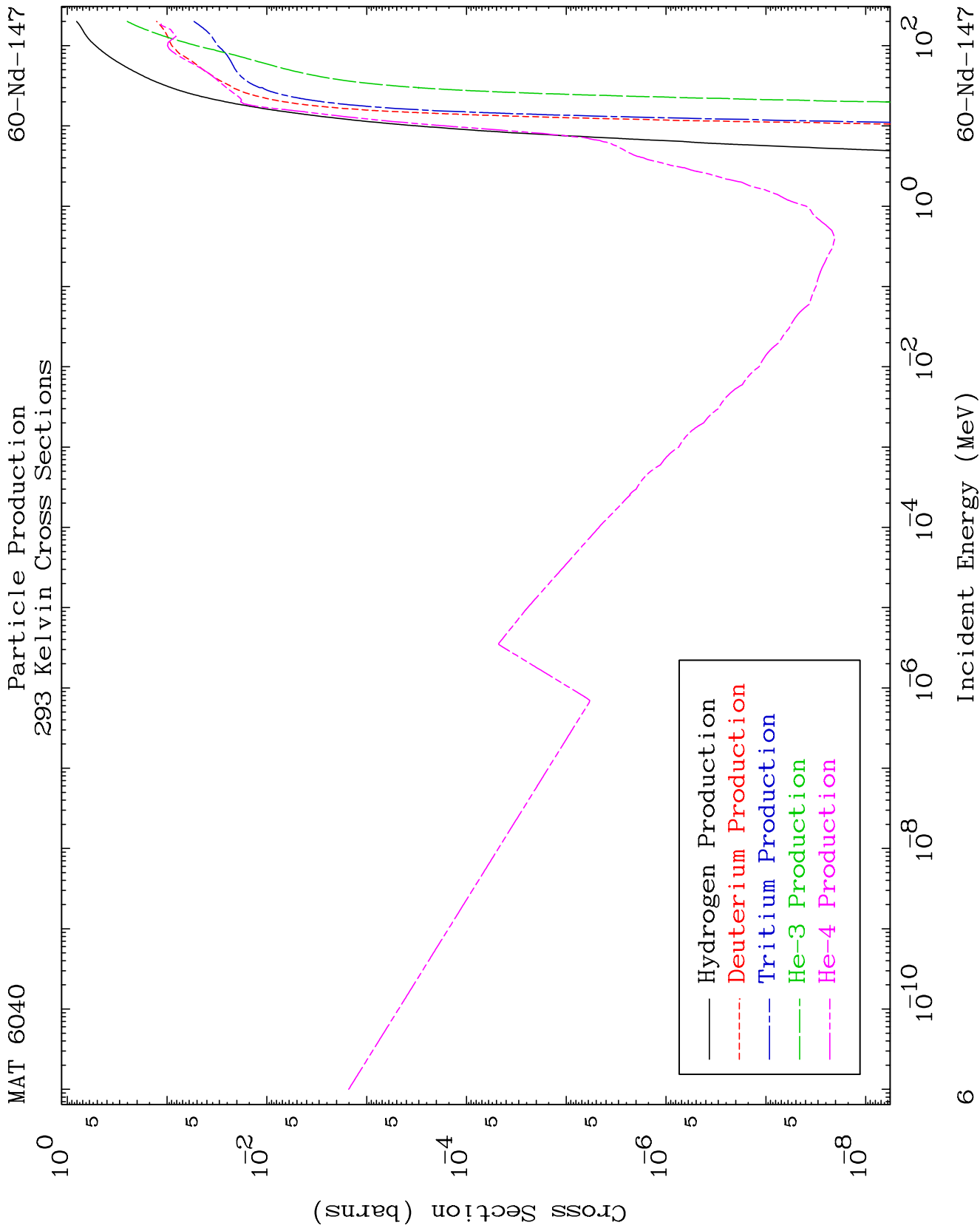


MAT 6040

Charged Particle  
293 Kelvin Cross Sections

60-Nd-147



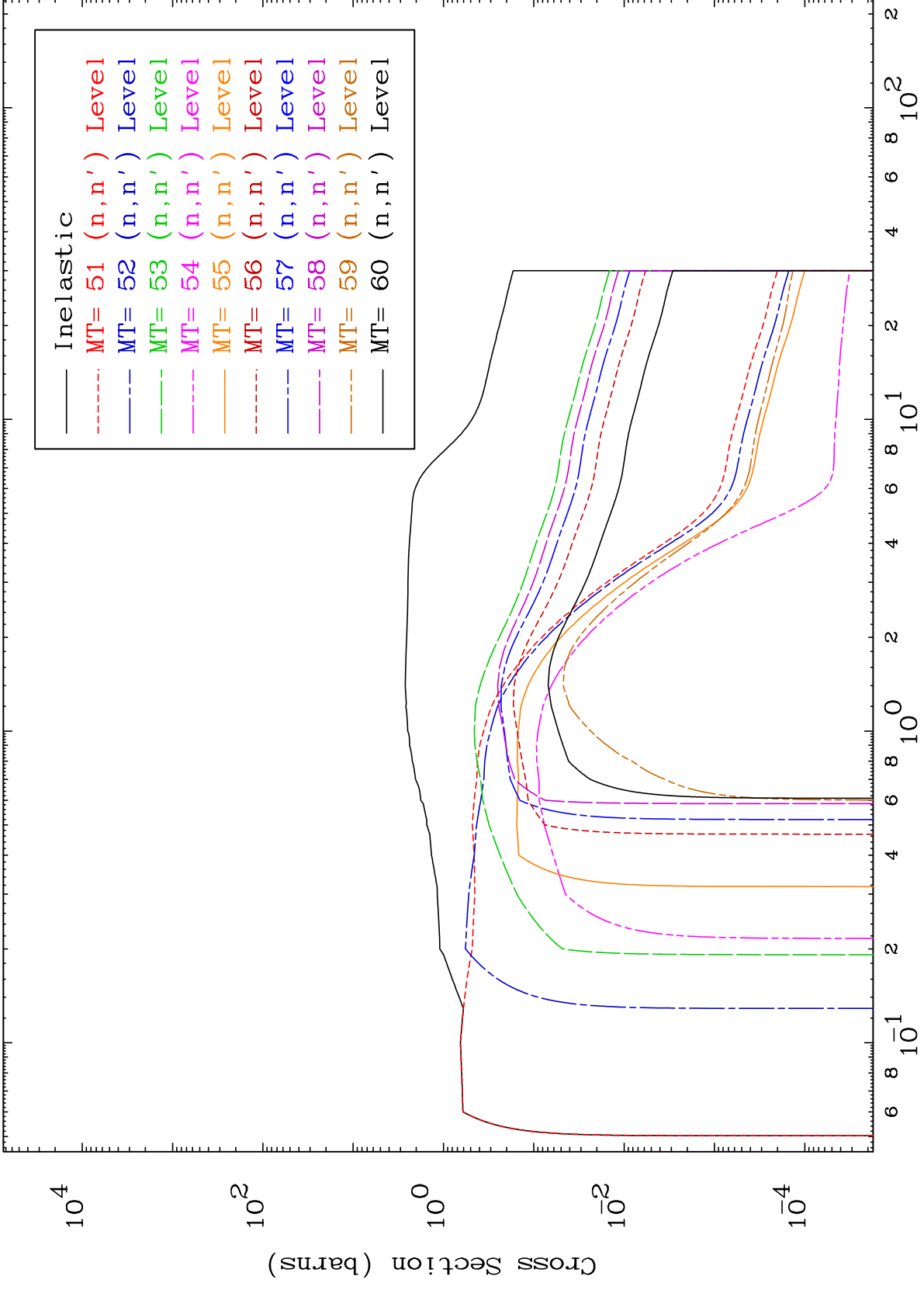


MAT 6040

(n,n') Level

60-Nd-147

293 Kelvin Cross Sections



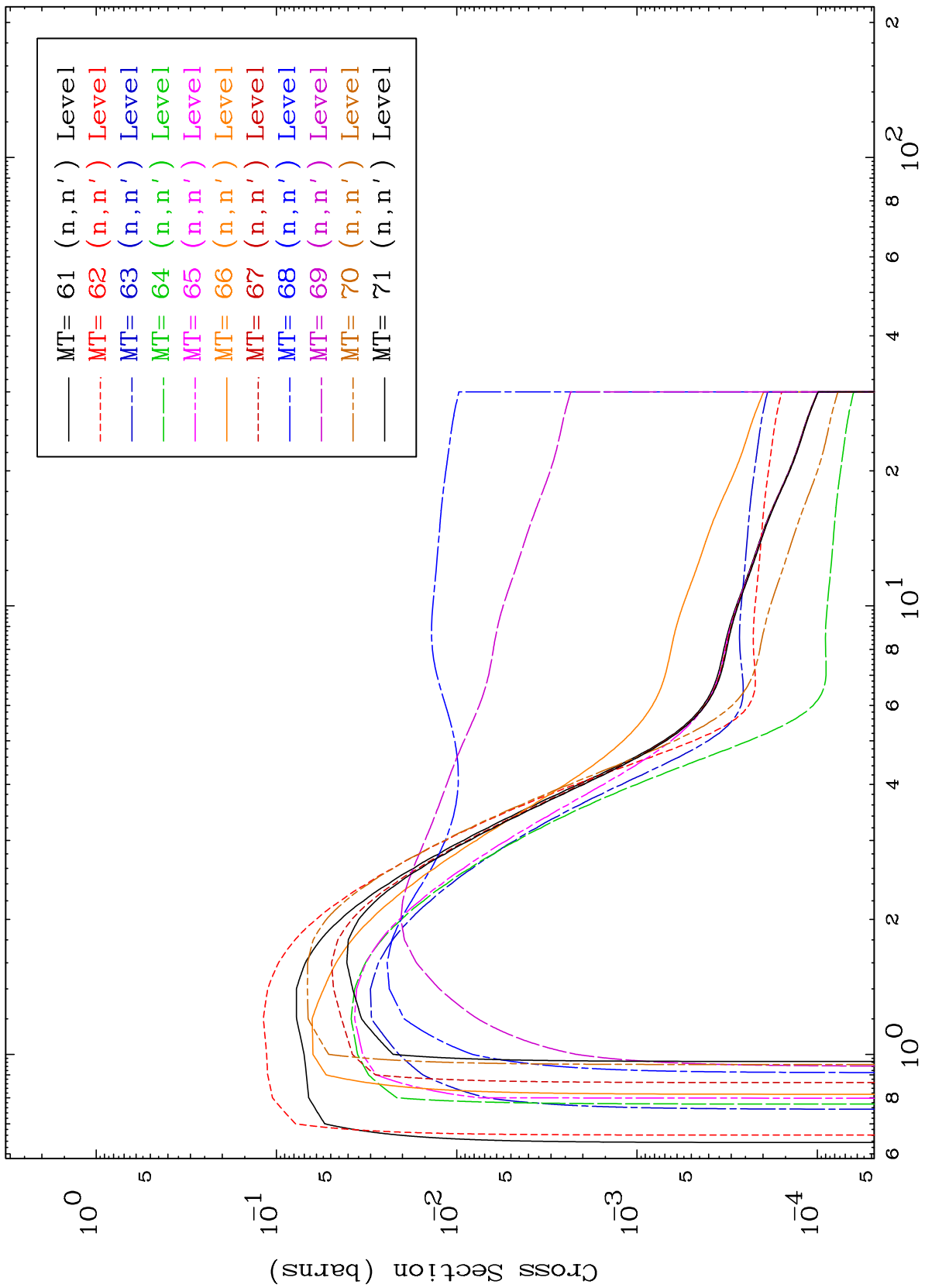


MAT 6040

(n,n') Level

60-Nd-147

293 Kelvin Cross Sections



Incident Energy (MeV)

60-Nd-147

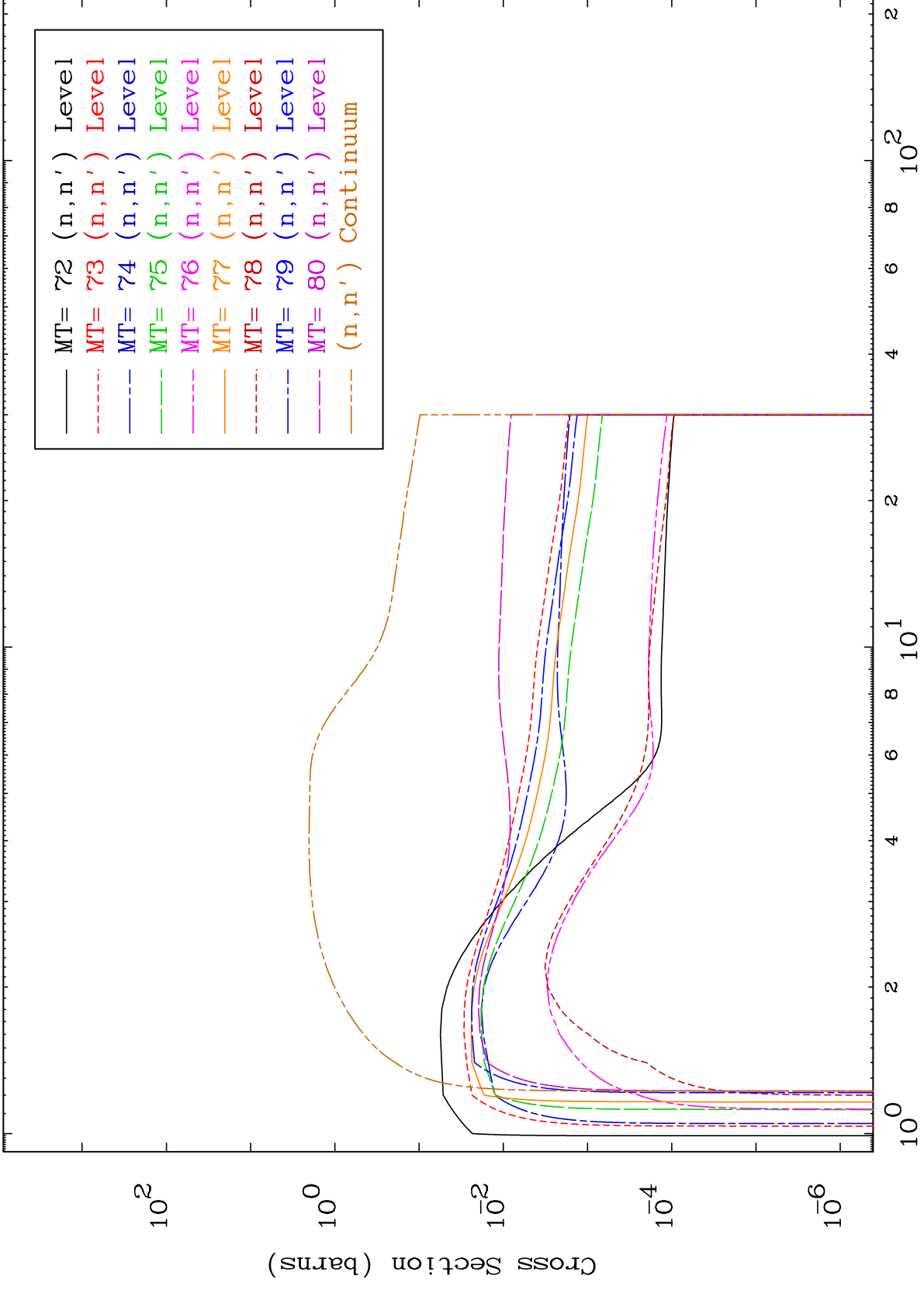
8

MAT 6040

(n,n') Level

60-Nd-147

293 Kelvin Cross Sections



—	MT= 72	(n, n')	Level
- - -	MT= 73	(n, n')	Level
- . - .	MT= 74	(n, n')	Level
- - -	MT= 75	(n, n')	Level
- . - .	MT= 76	(n, n')	Level
—	MT= 77	(n, n')	Level
- - -	MT= 78	(n, n')	Level
- . - .	MT= 79	(n, n')	Level
- - -	MT= 80	(n, n')	Level
- - -	(n, n')	Continuum	

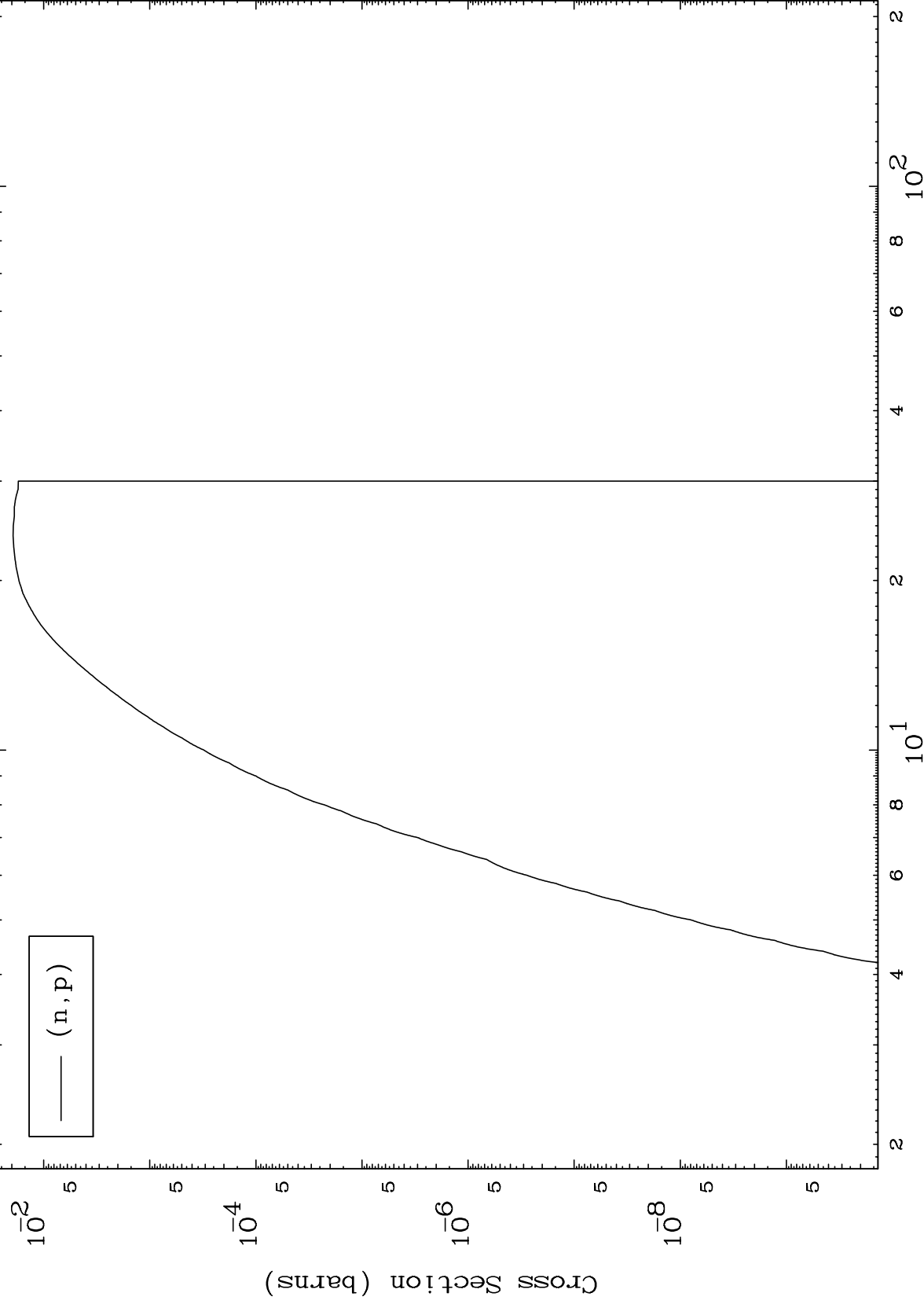
Incident Energy (MeV)

60-Nd-147

MAT 6040

(n,p) Levels  
293 Kelvin Cross Sections

60-Nd-147



10

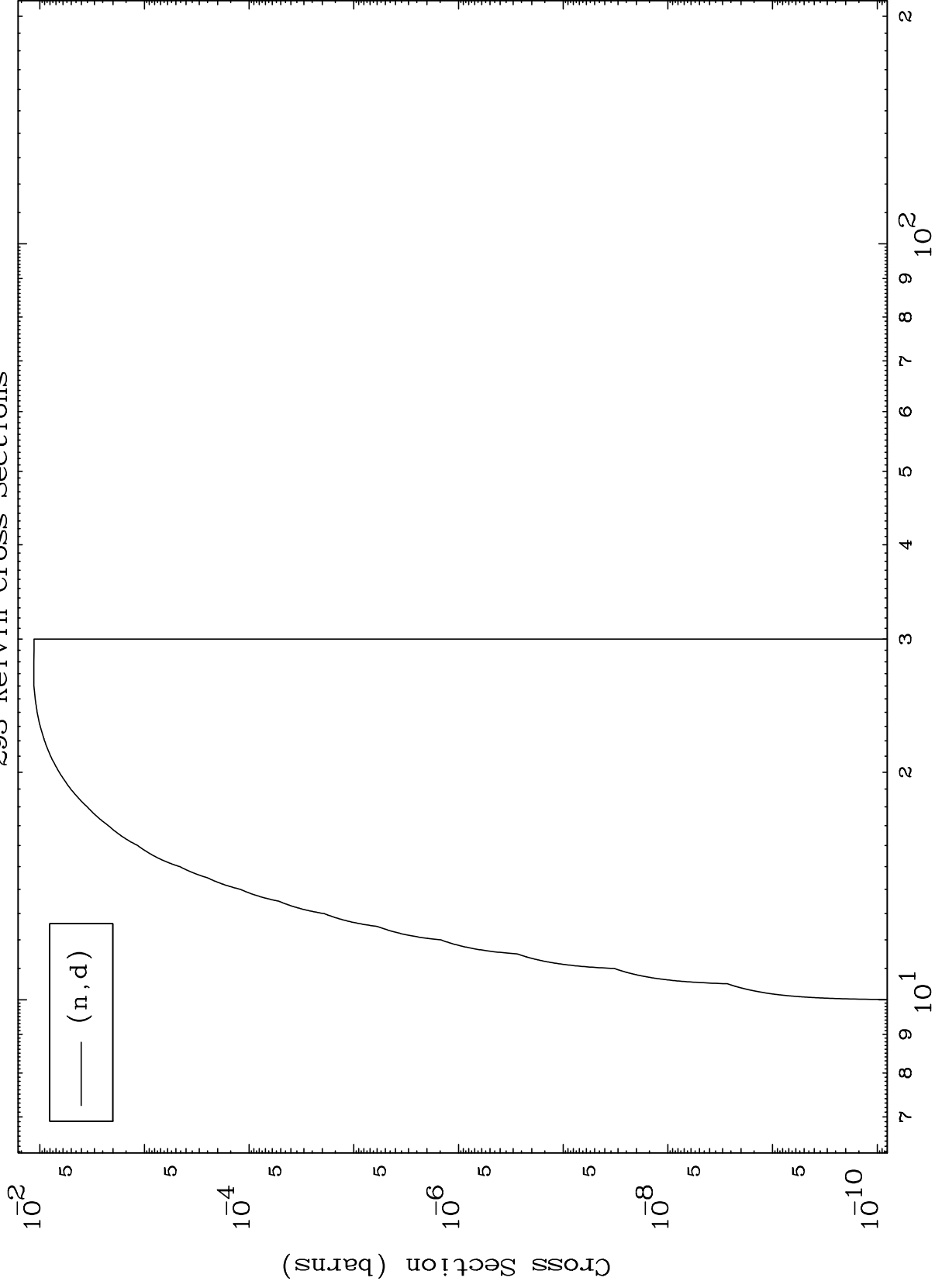
Incident Energy (MeV)

60-Nd-147

MAT 6040

(n,d) Levels  
293 Kelvin Cross Sections

60-Nd-147



11

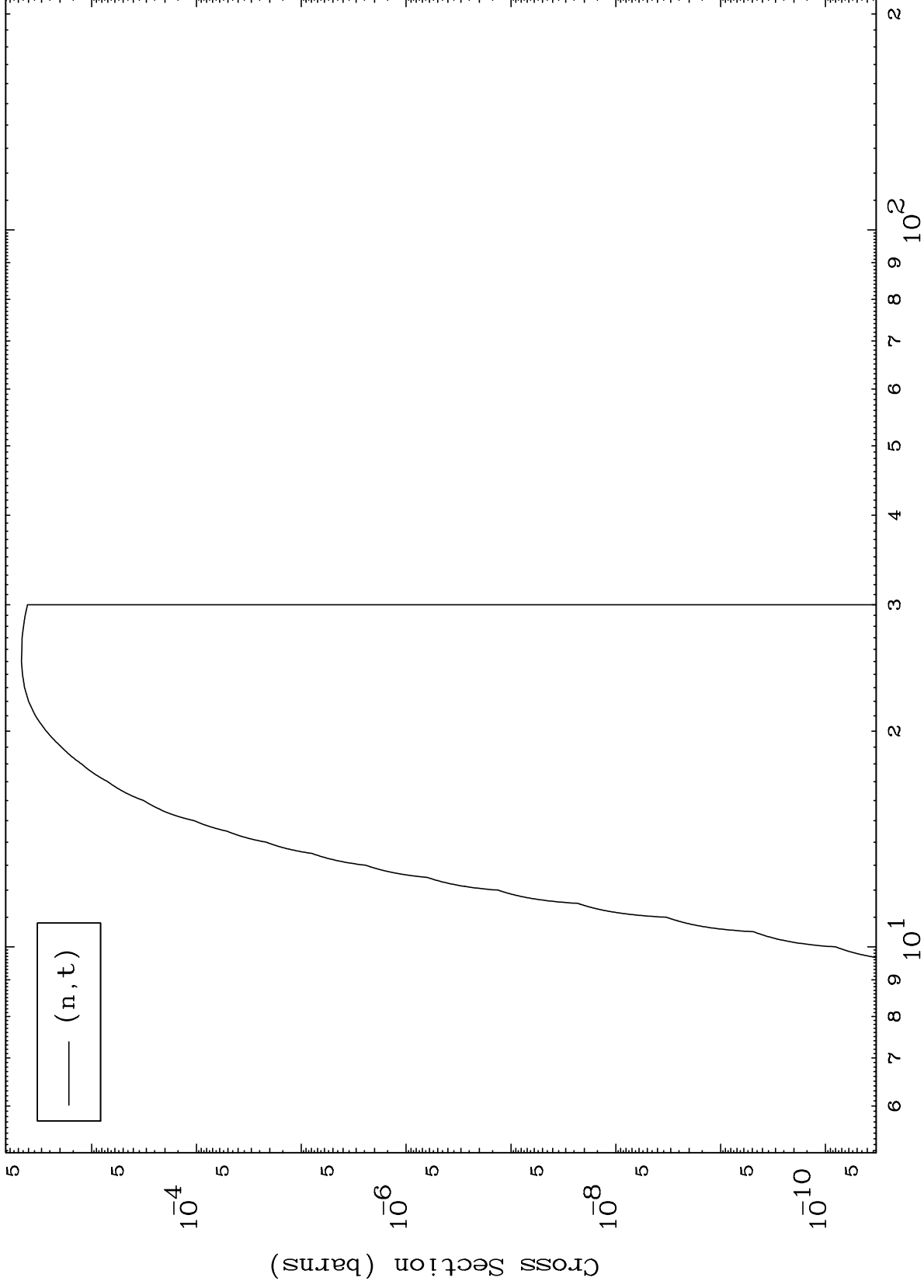
Incident Energy (MeV)

60-Nd-147

MAT 6040

(n,t) Levels  
293 Kelvin Cross Sections

60-Nd-147



12

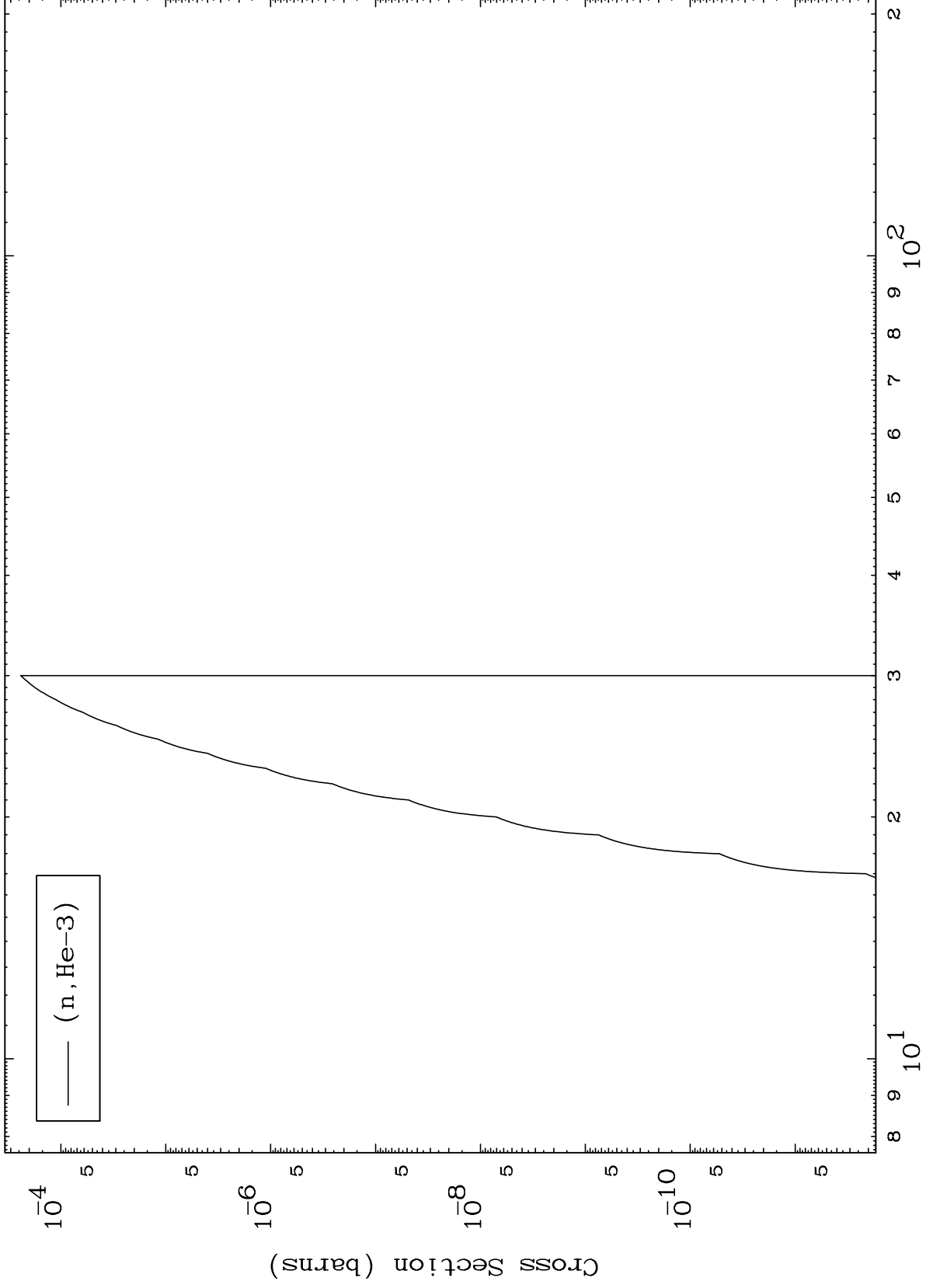
Incident Energy (MeV)

60-Nd-147

MAT 6040

(n,He3) Levels  
293 Kelvin Cross Sections

60-Nd-147



13

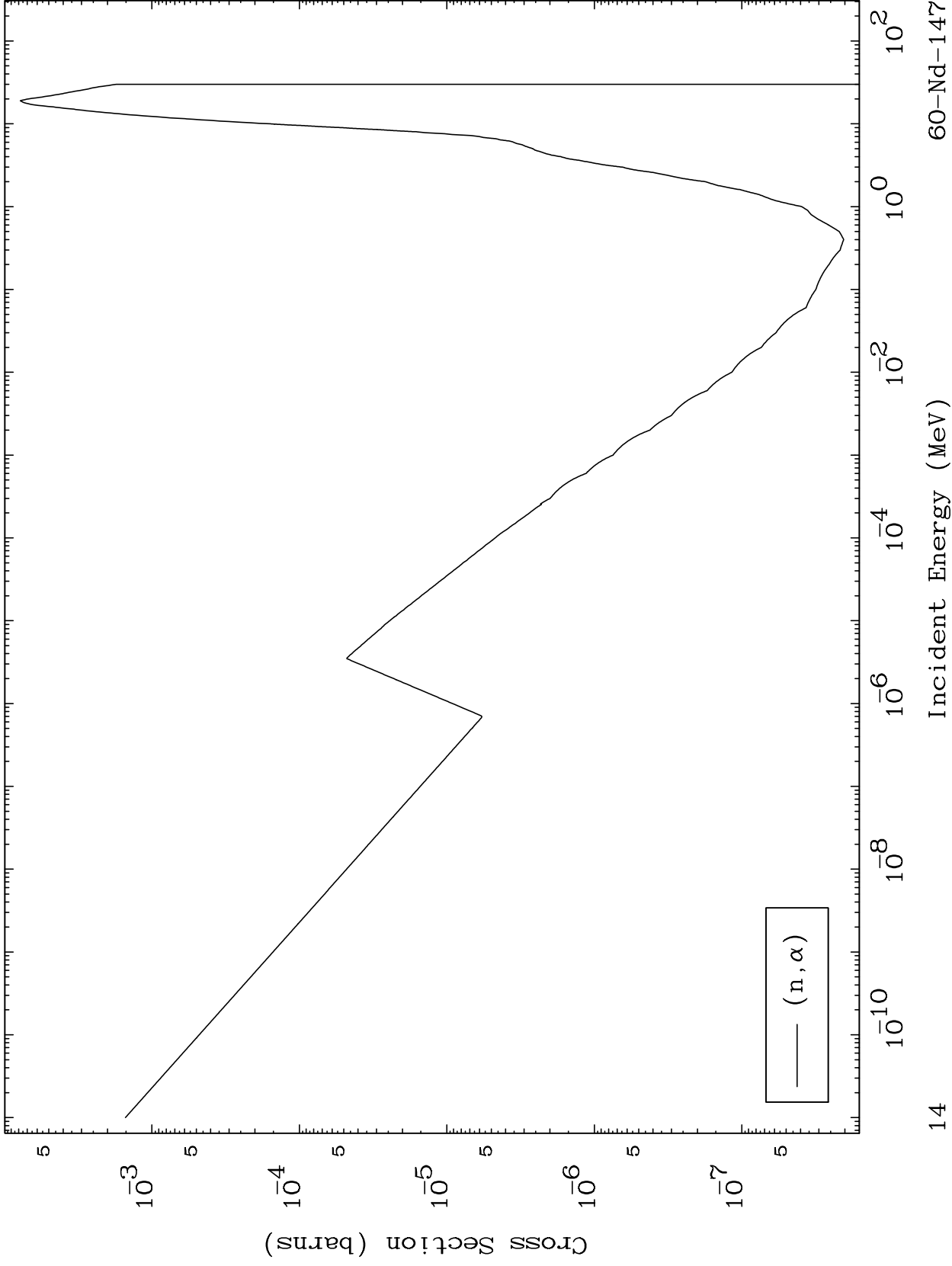
Incident Energy (MeV)

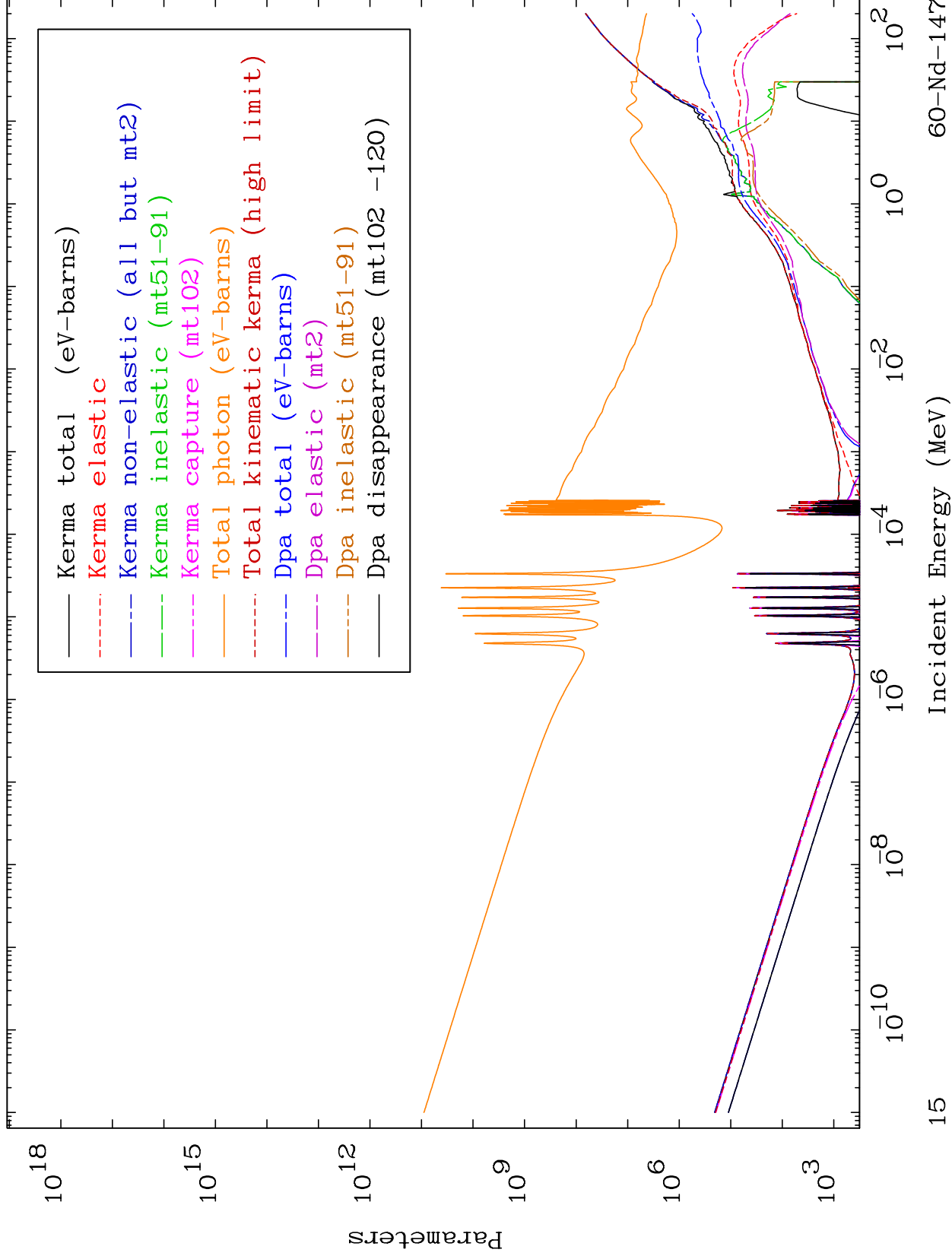
60-Nd-147

MAT 6040

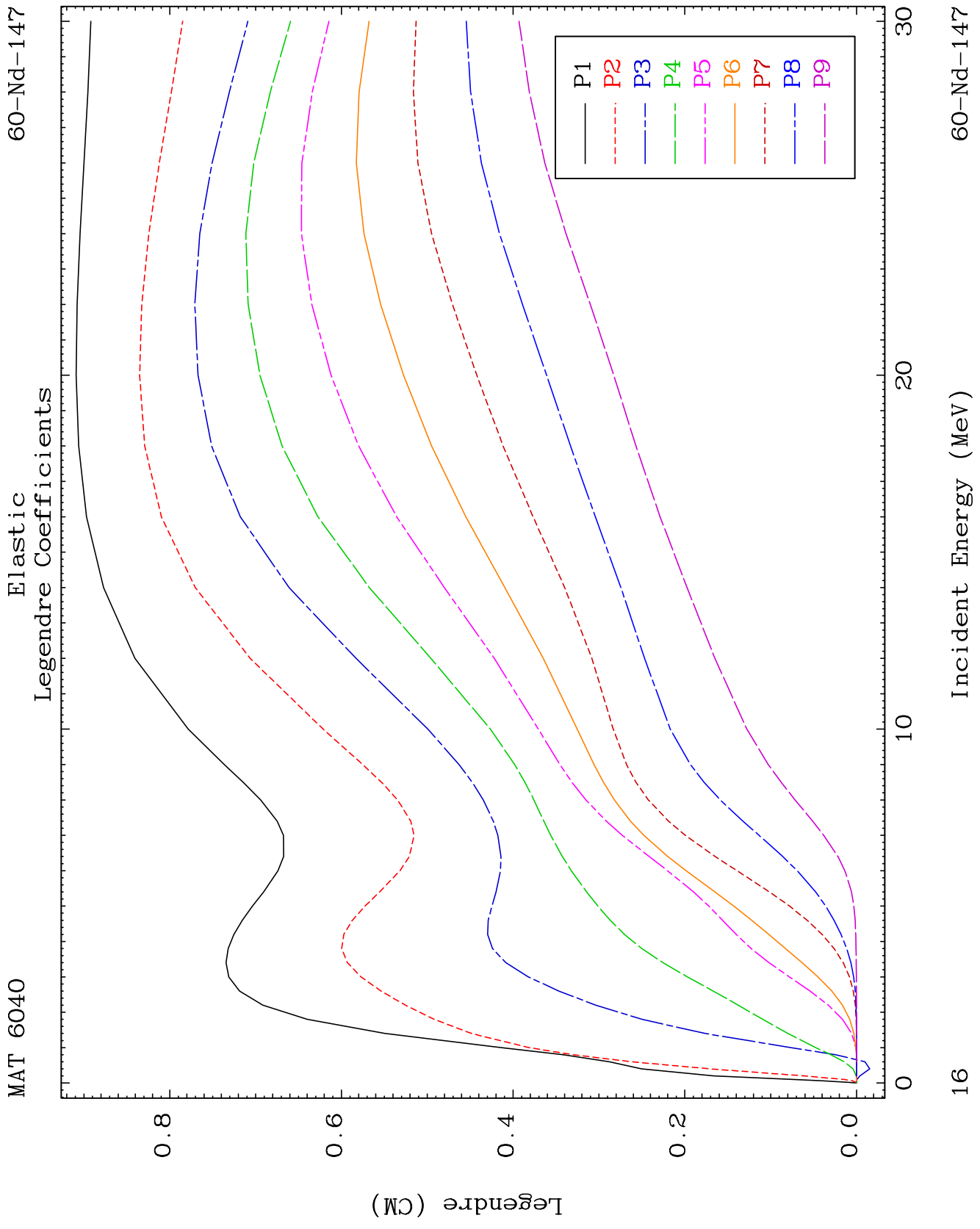
(n,α) Levels  
293 Kelvin Cross Sections

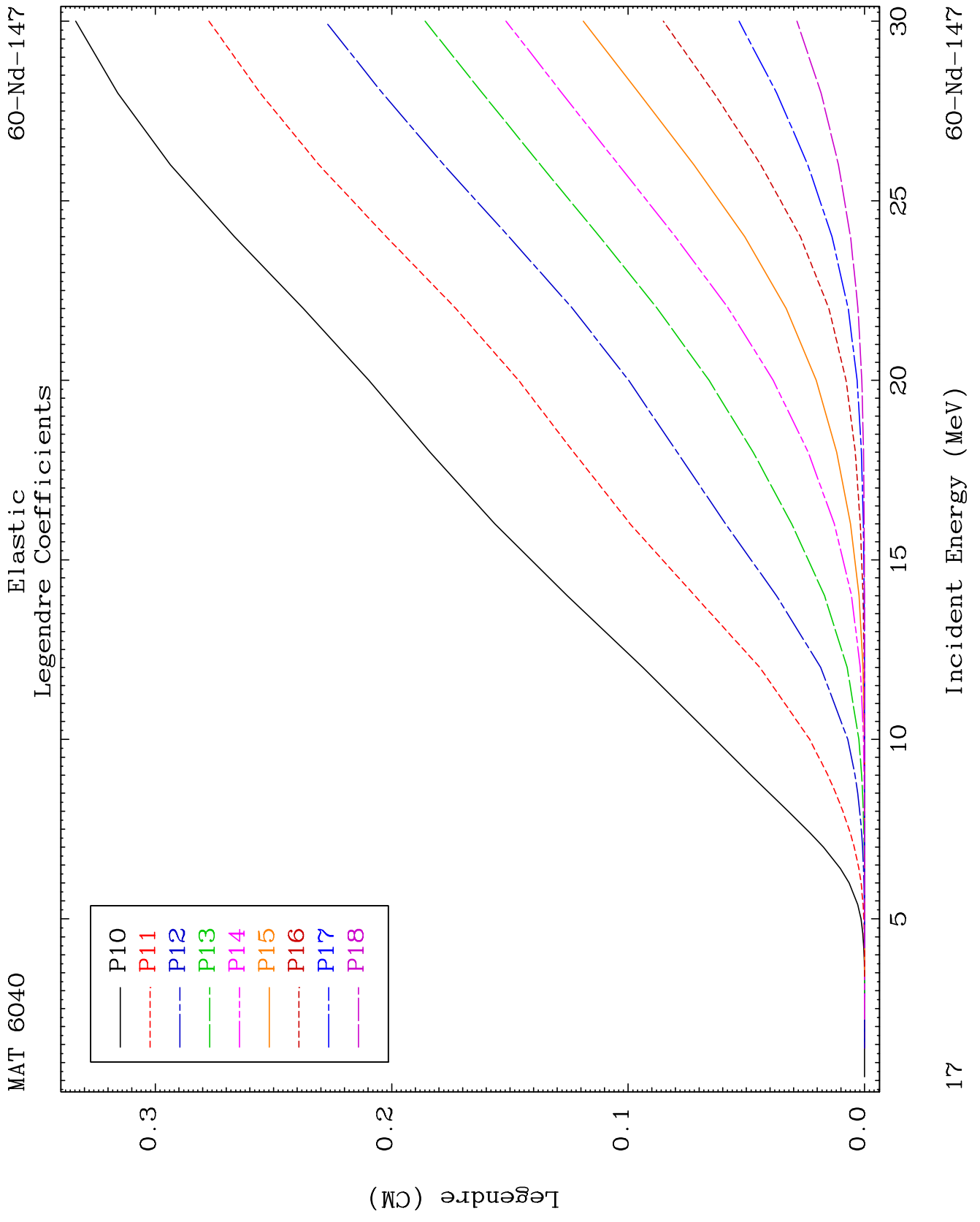
60-Nd-147



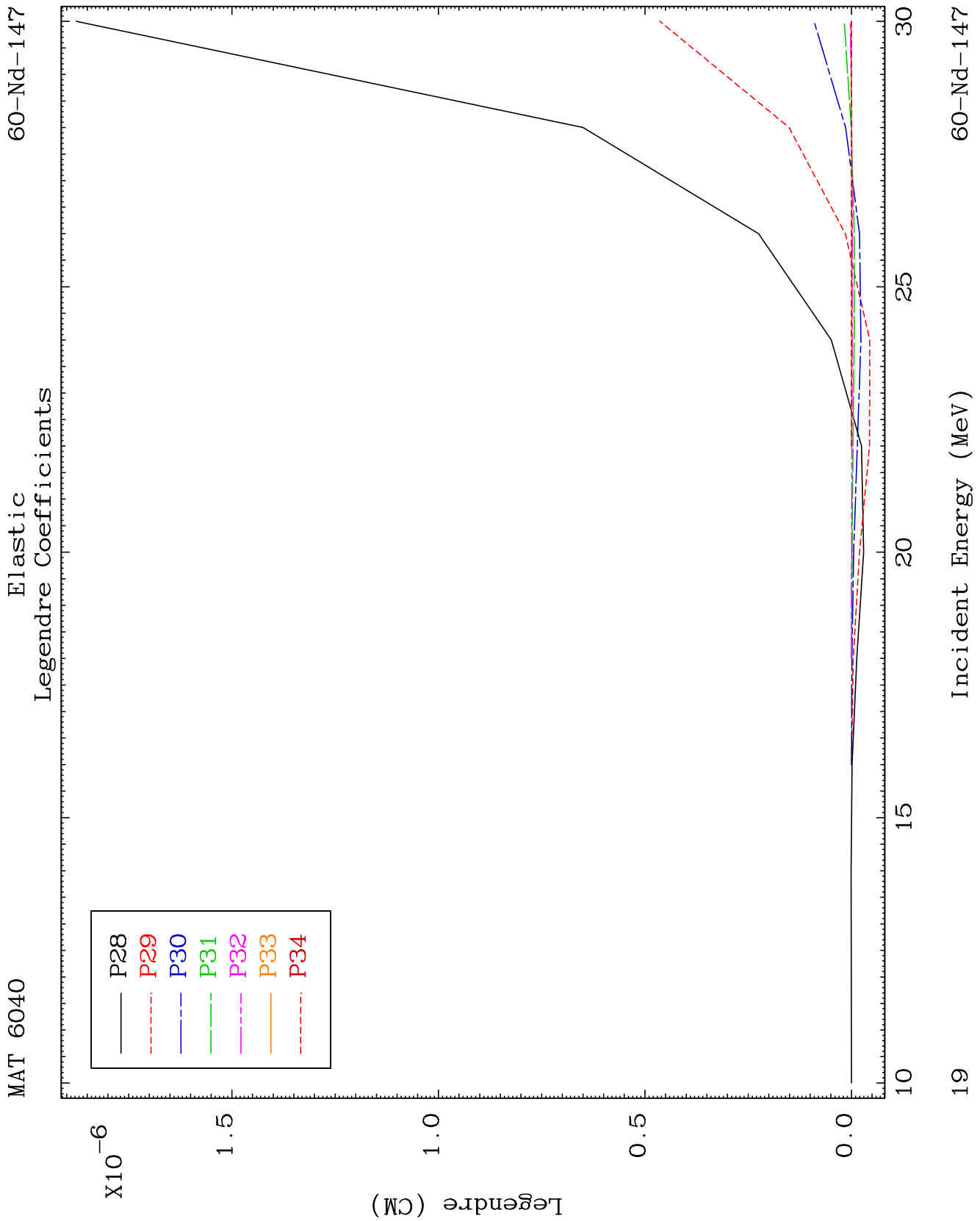


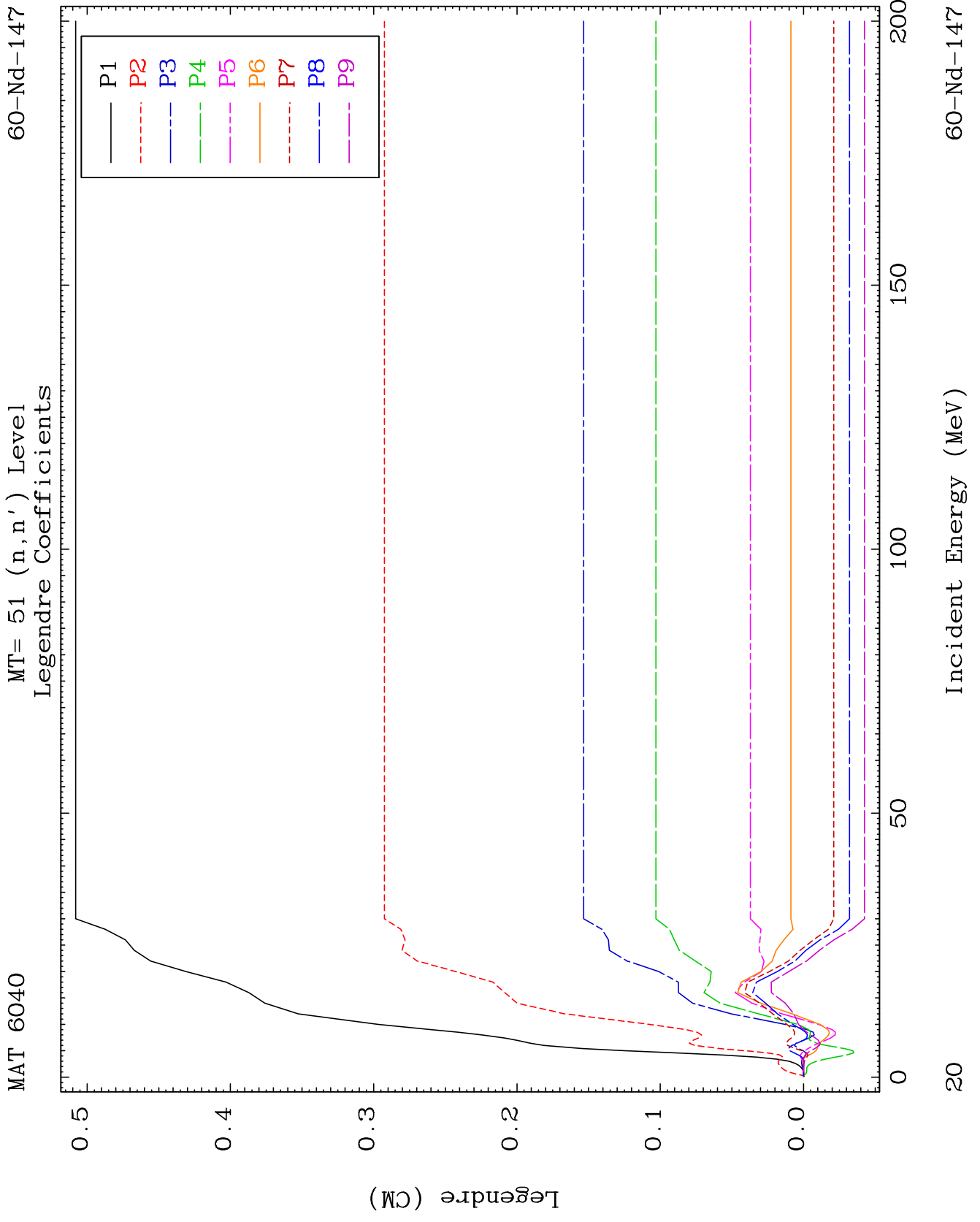


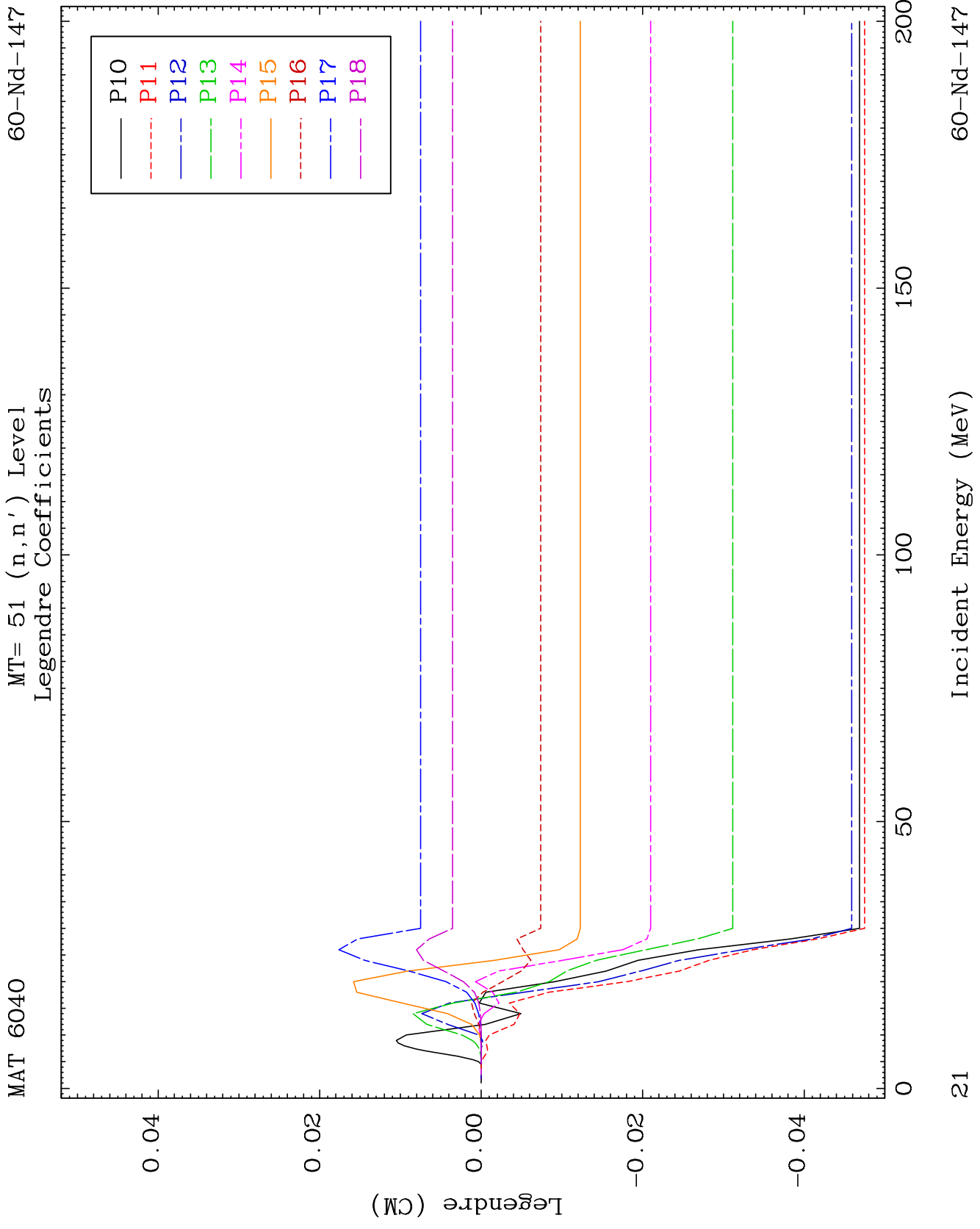








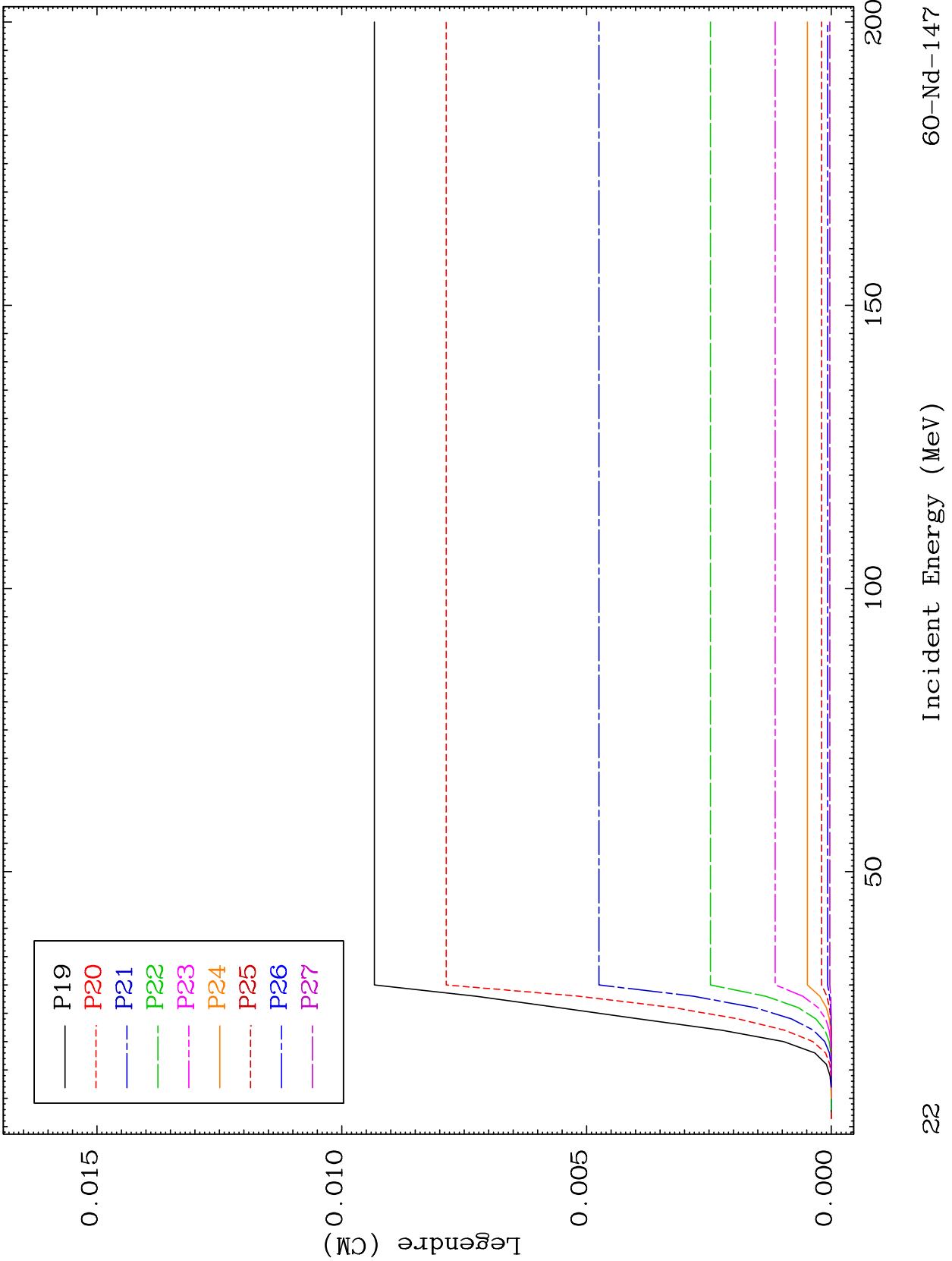




MAT 6040

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

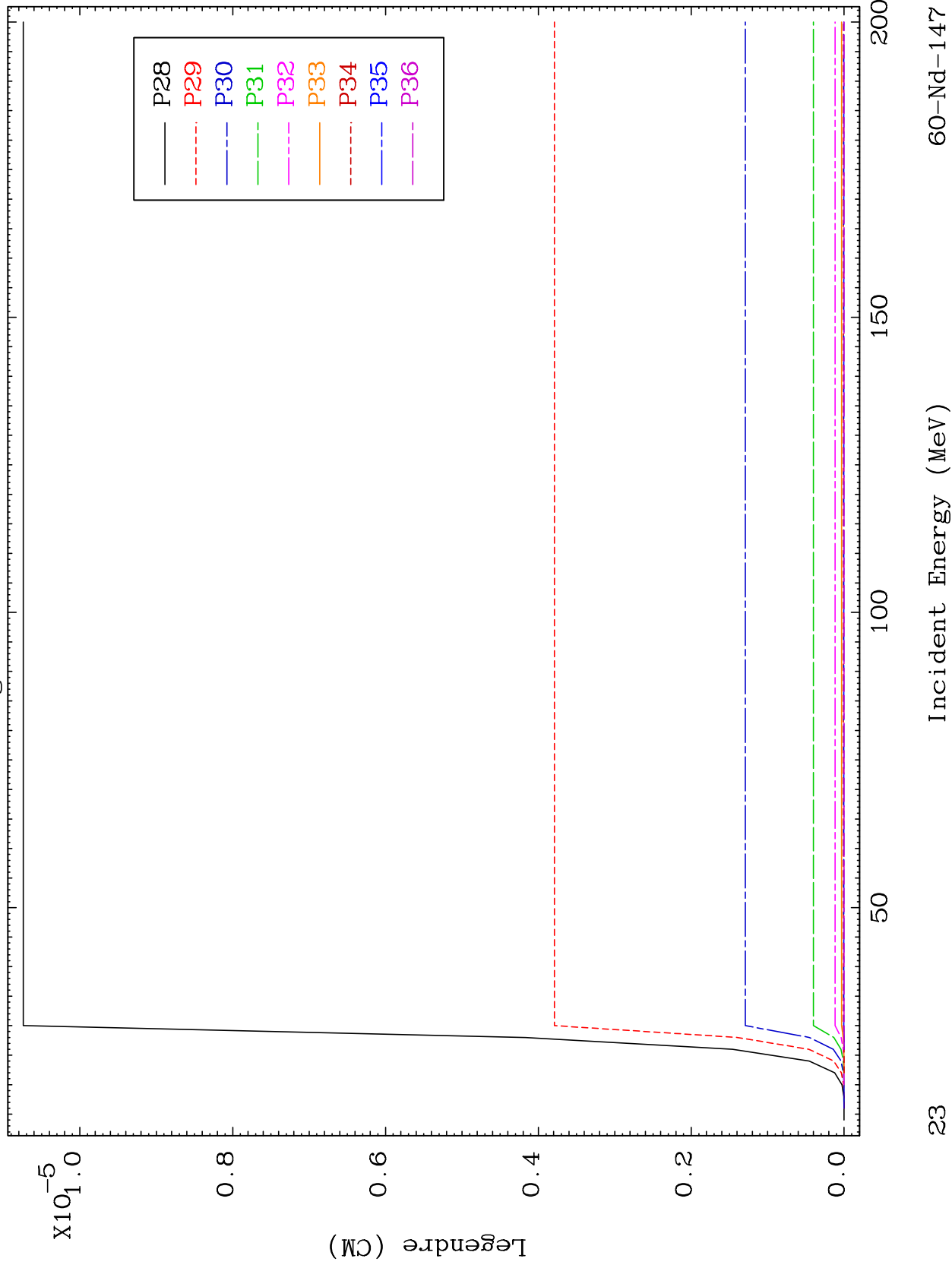
60-Nd-147



MAT 6040

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

60-Nd-147

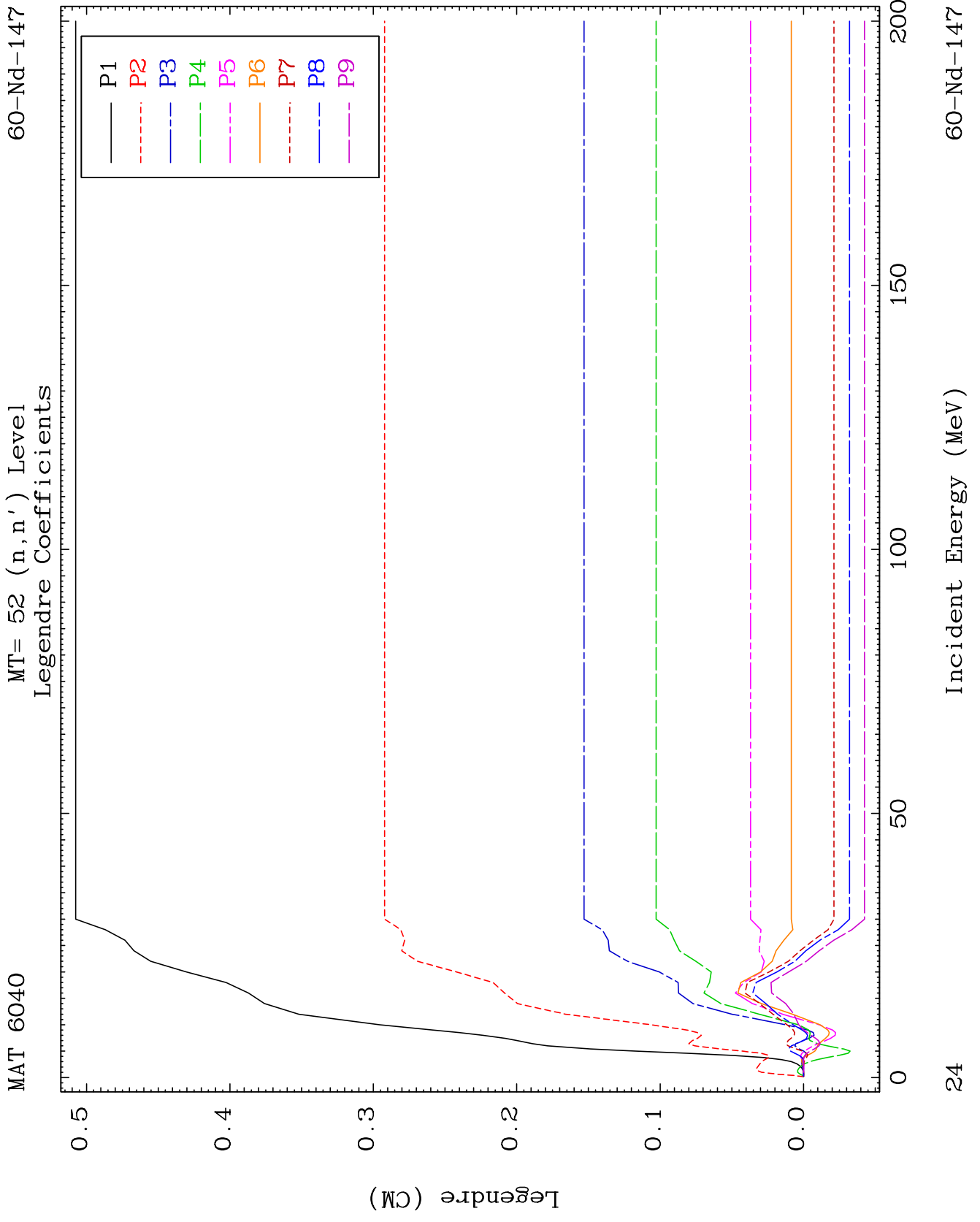


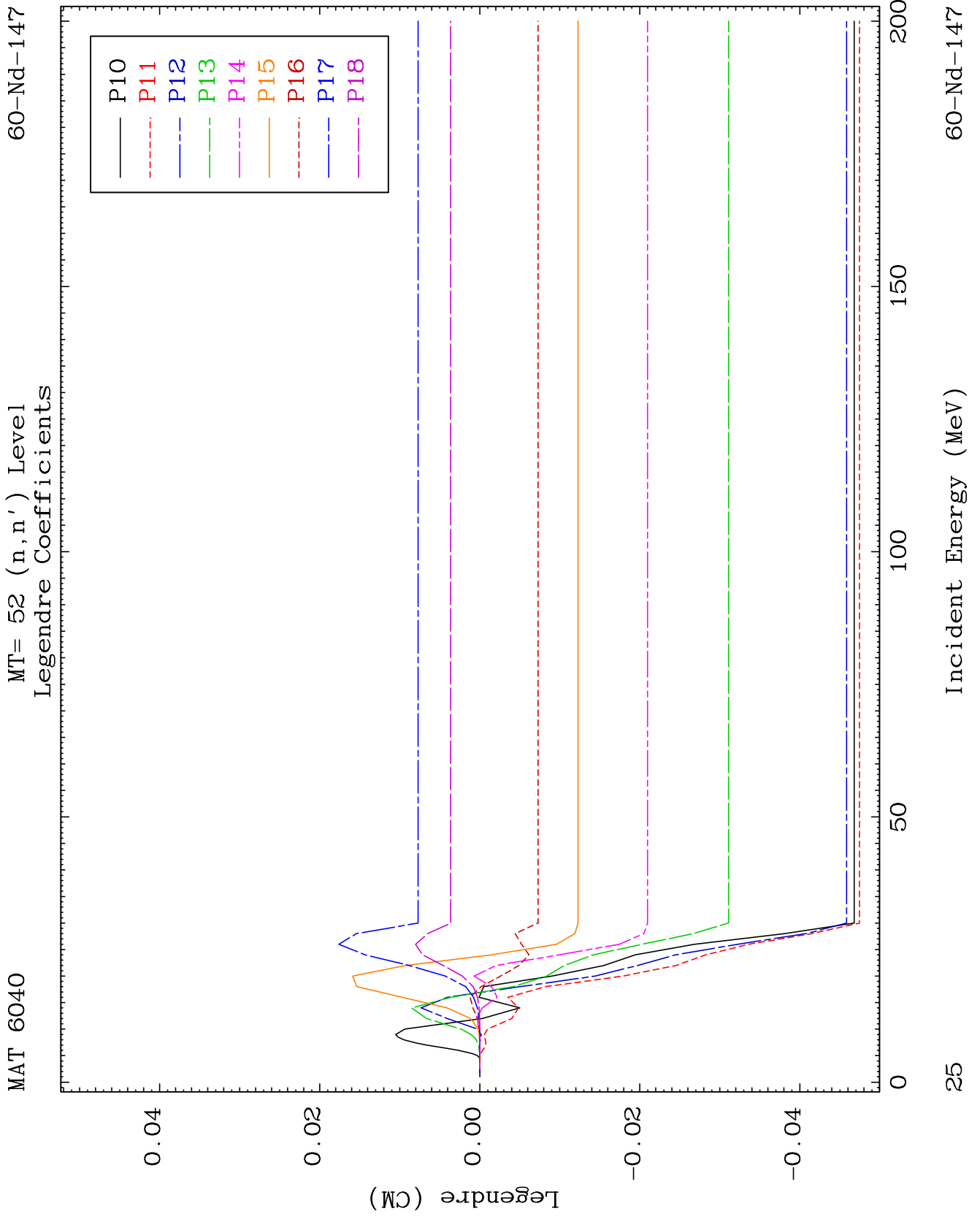
23

Incident Energy (MeV)

60-Nd-147



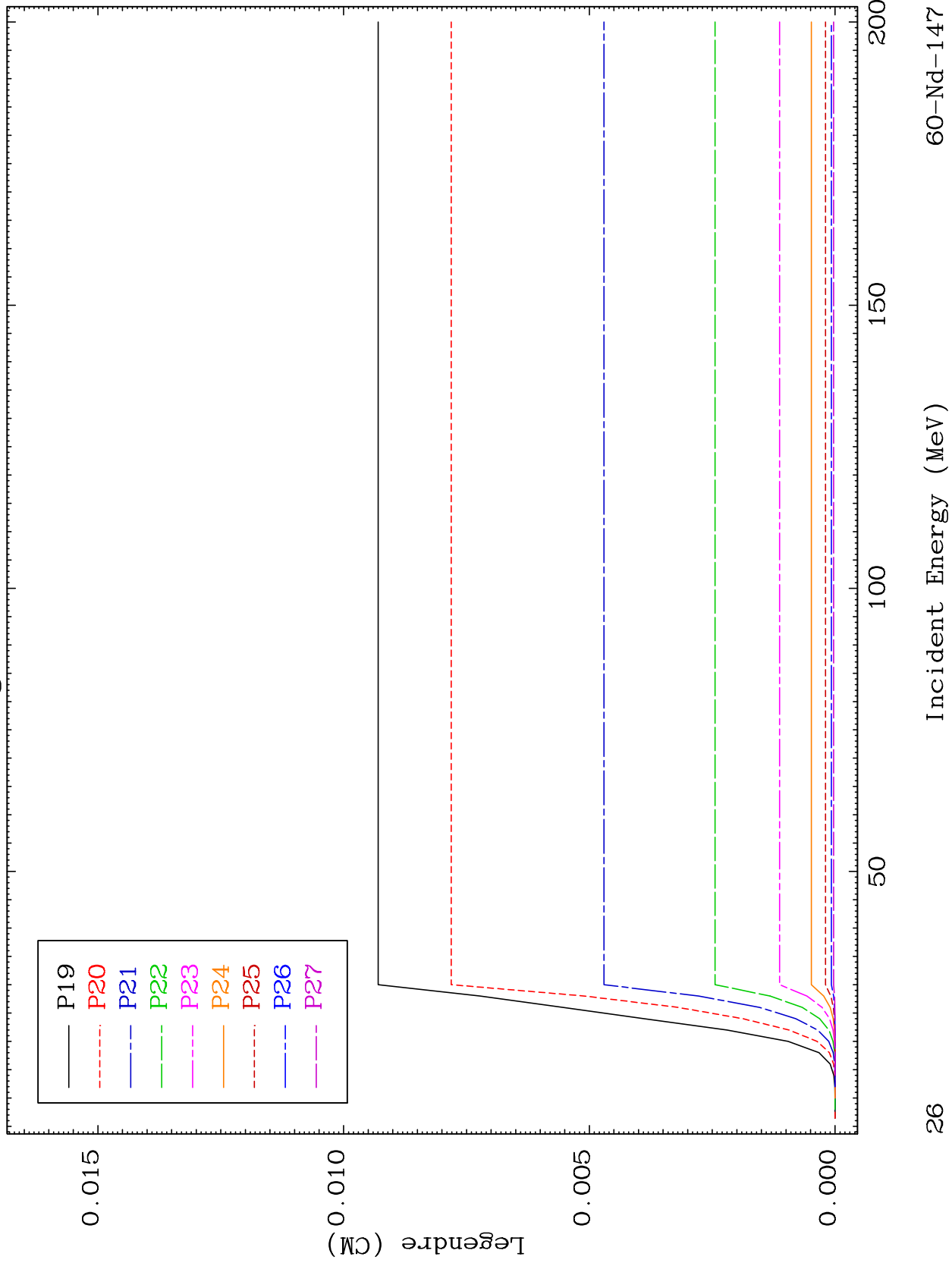




MAT 6040

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

60-Nd-147



26

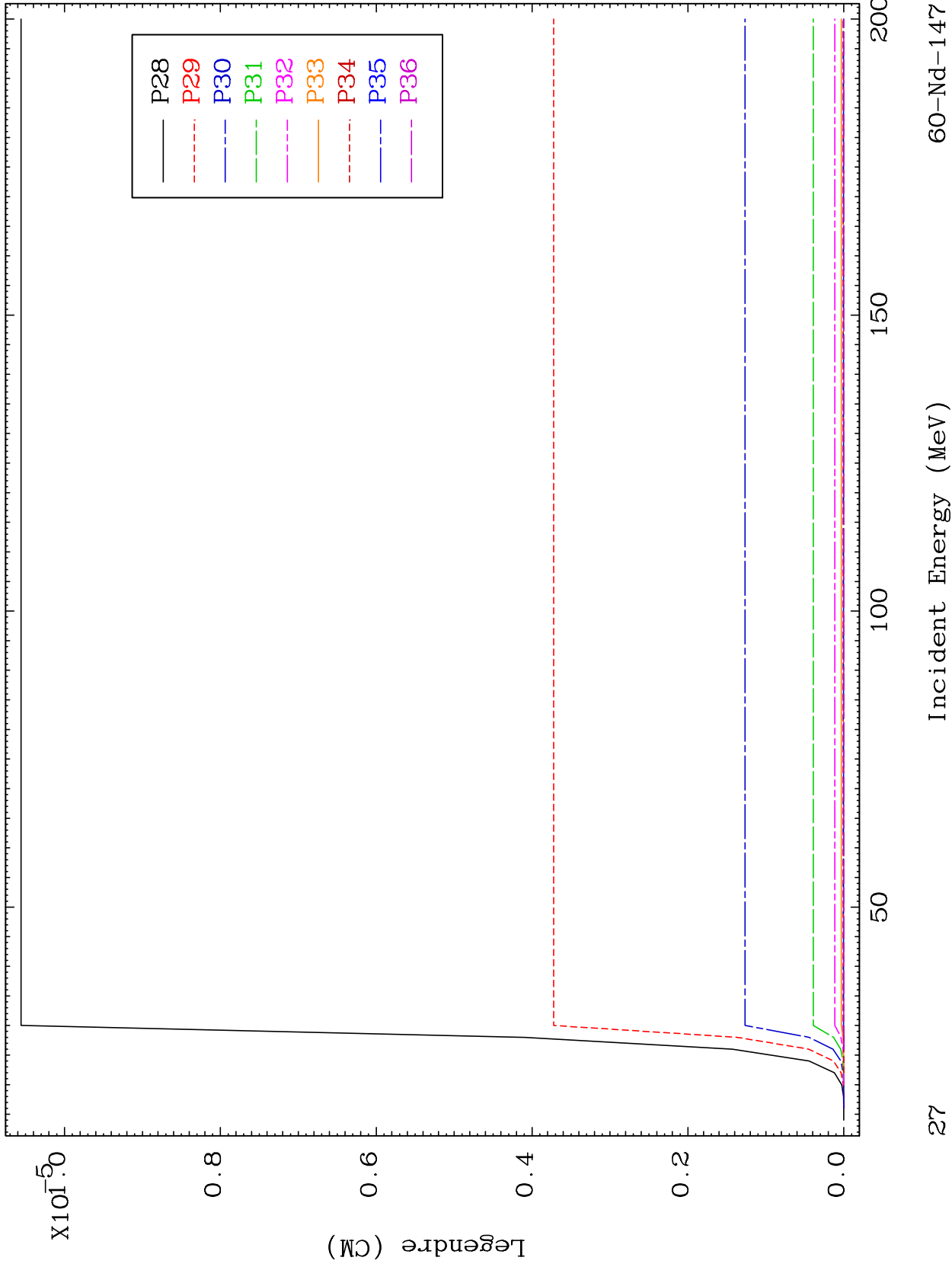
Incident Energy (MeV)

60-Nd-147

MAT 6040

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

60-Nd-147

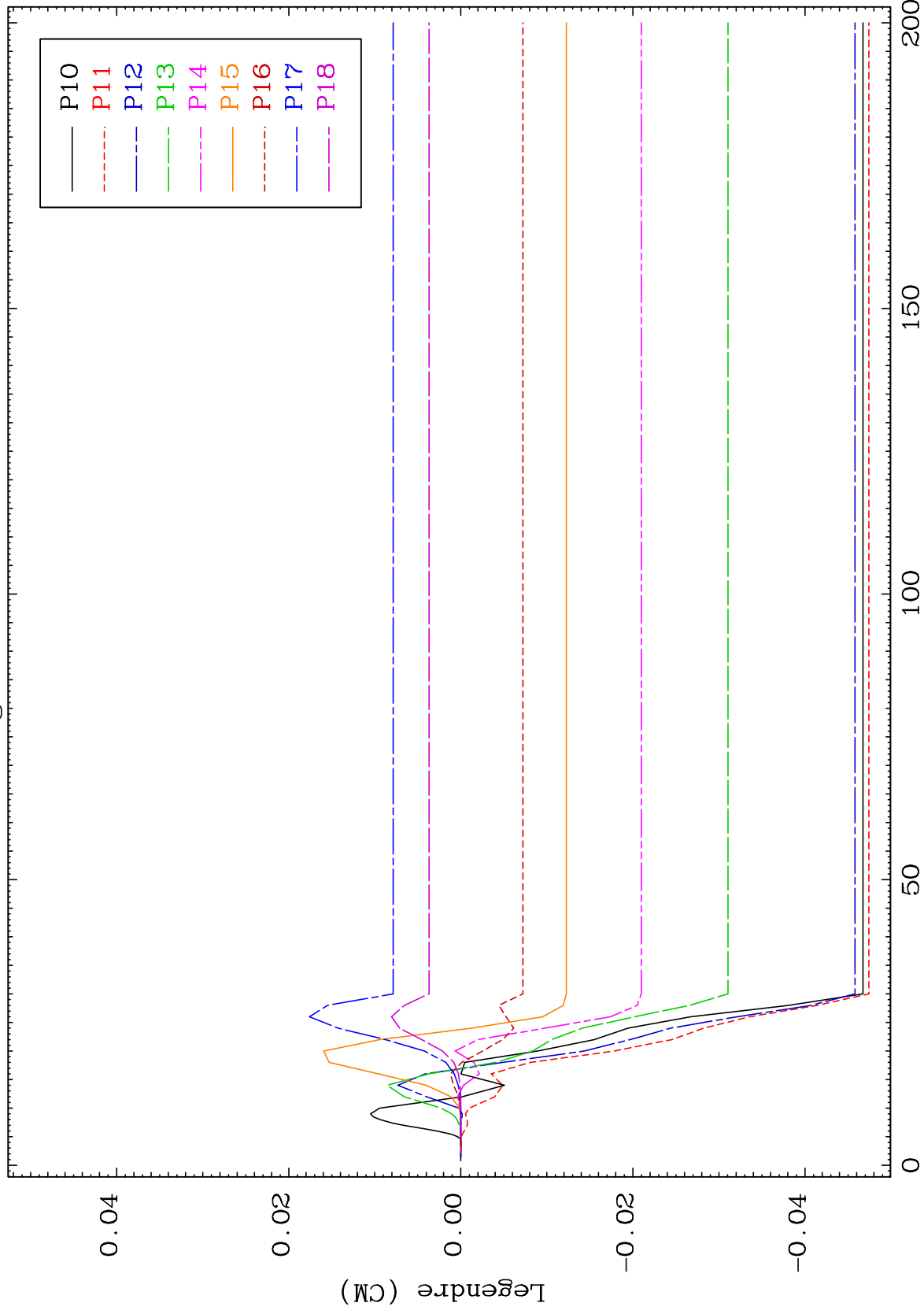




MAT 6040

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

60-Nd-147



29

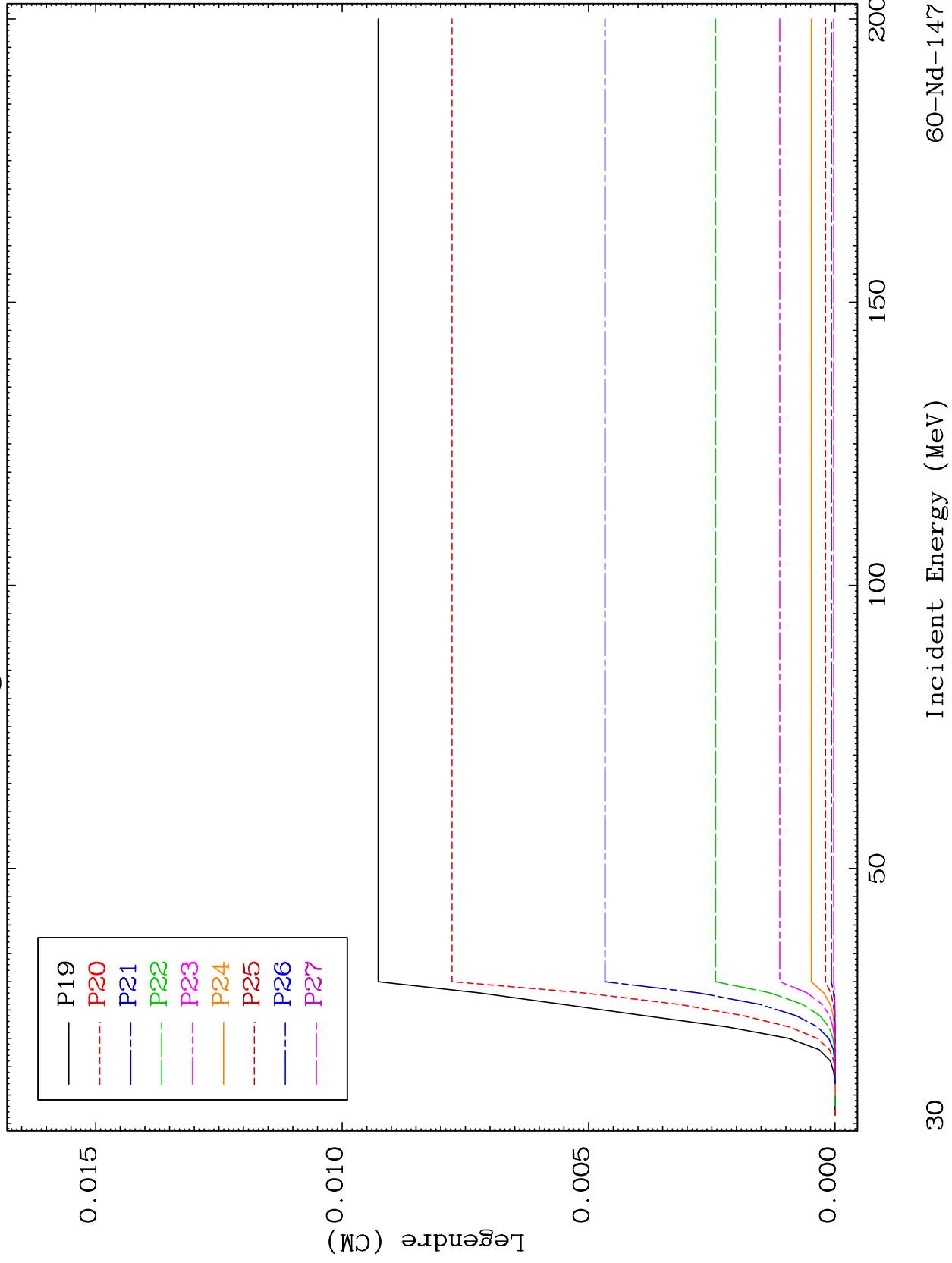
Incident Energy (MeV)

60-Nd-147

MAT 6040

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

60-Nd-147



60-Nd-147

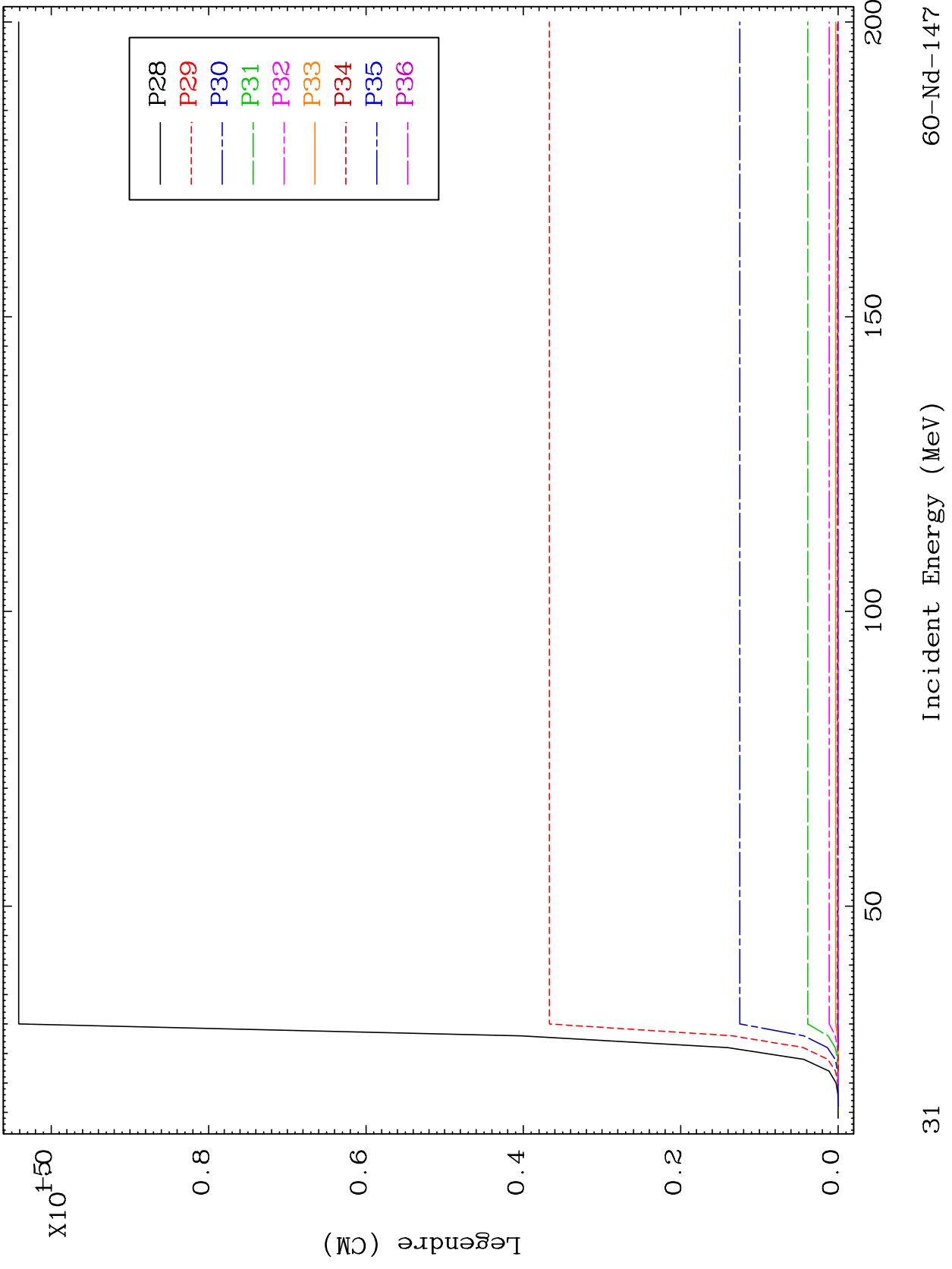
Incident Energy (MeV)

30

MAT 6040

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

60-Nd-147



31

Incident Energy (MeV)

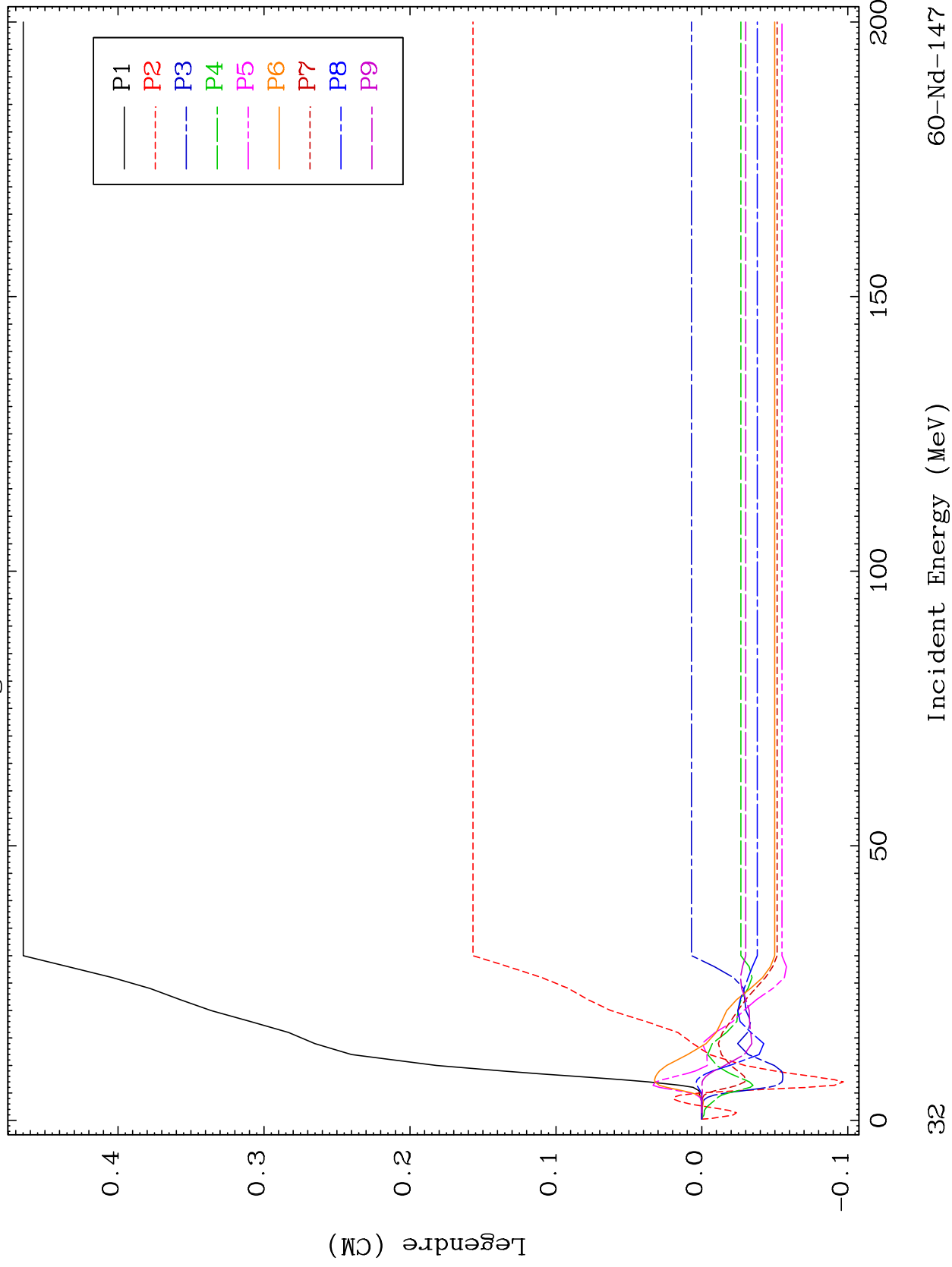
60-Nd-147



MAT 6040

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

60-Nd-147



60-Nd-147

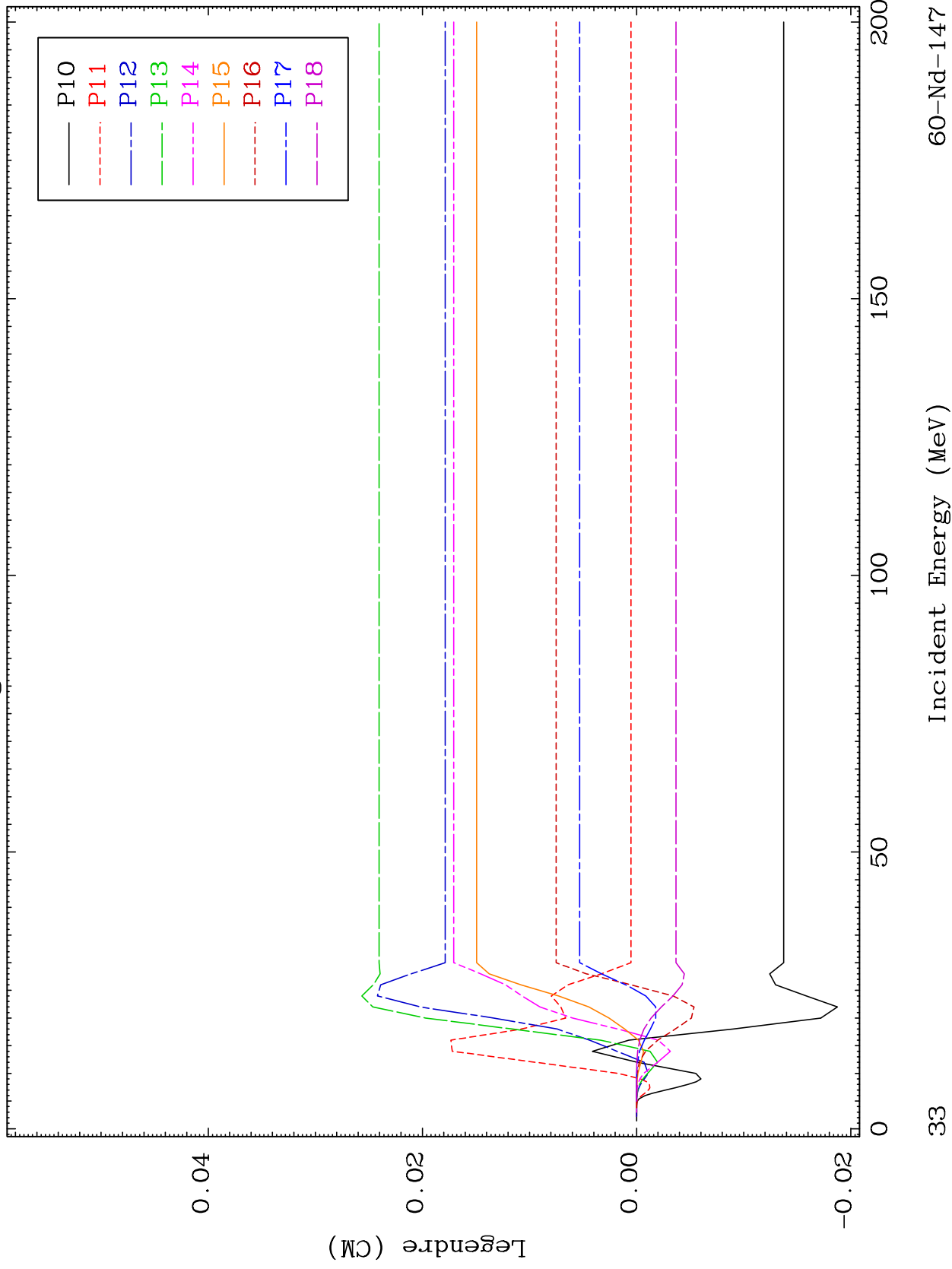
Incident Energy (MeV)

32

MAT 6040

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

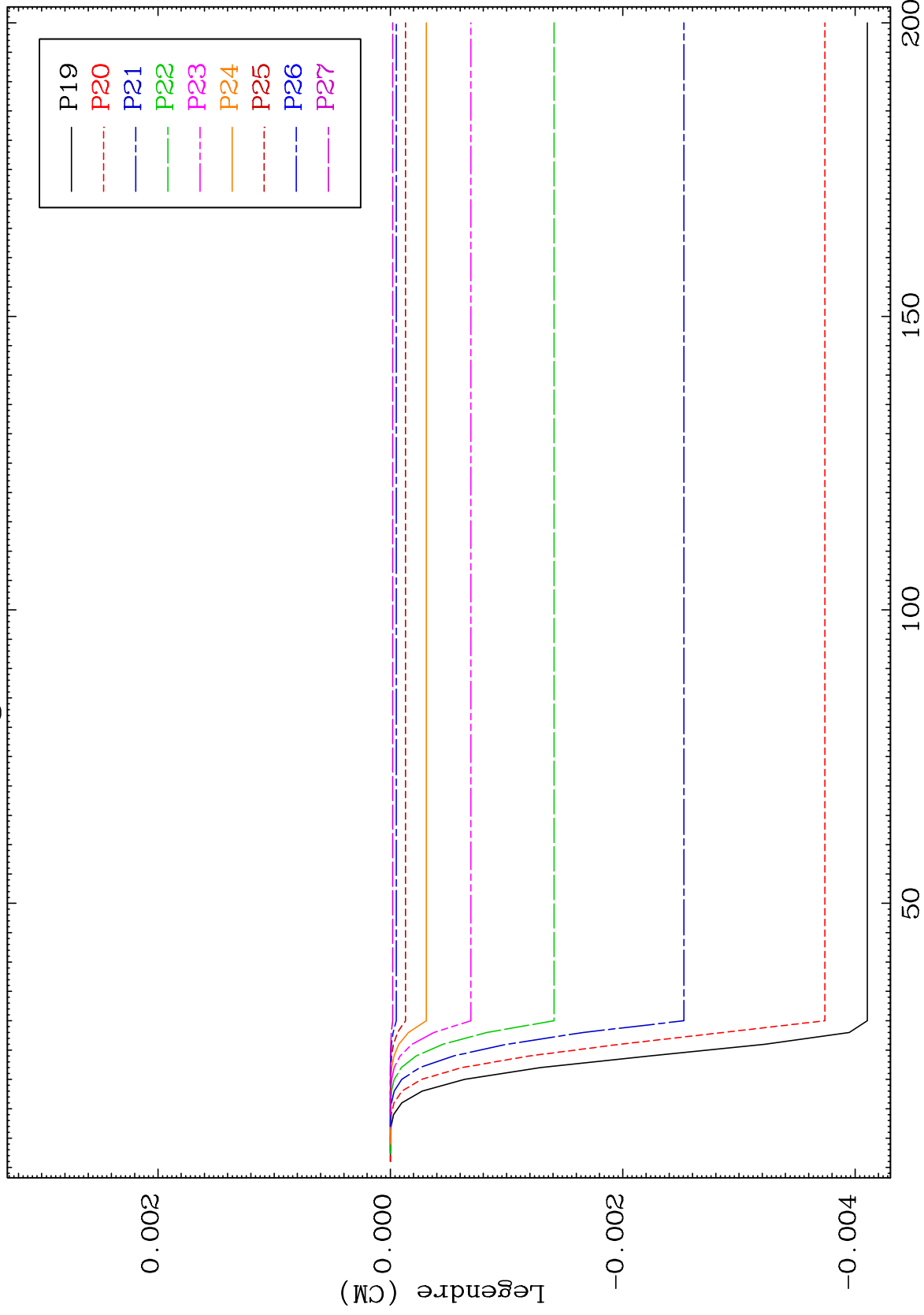
60-Nd-147



MAT 6040

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

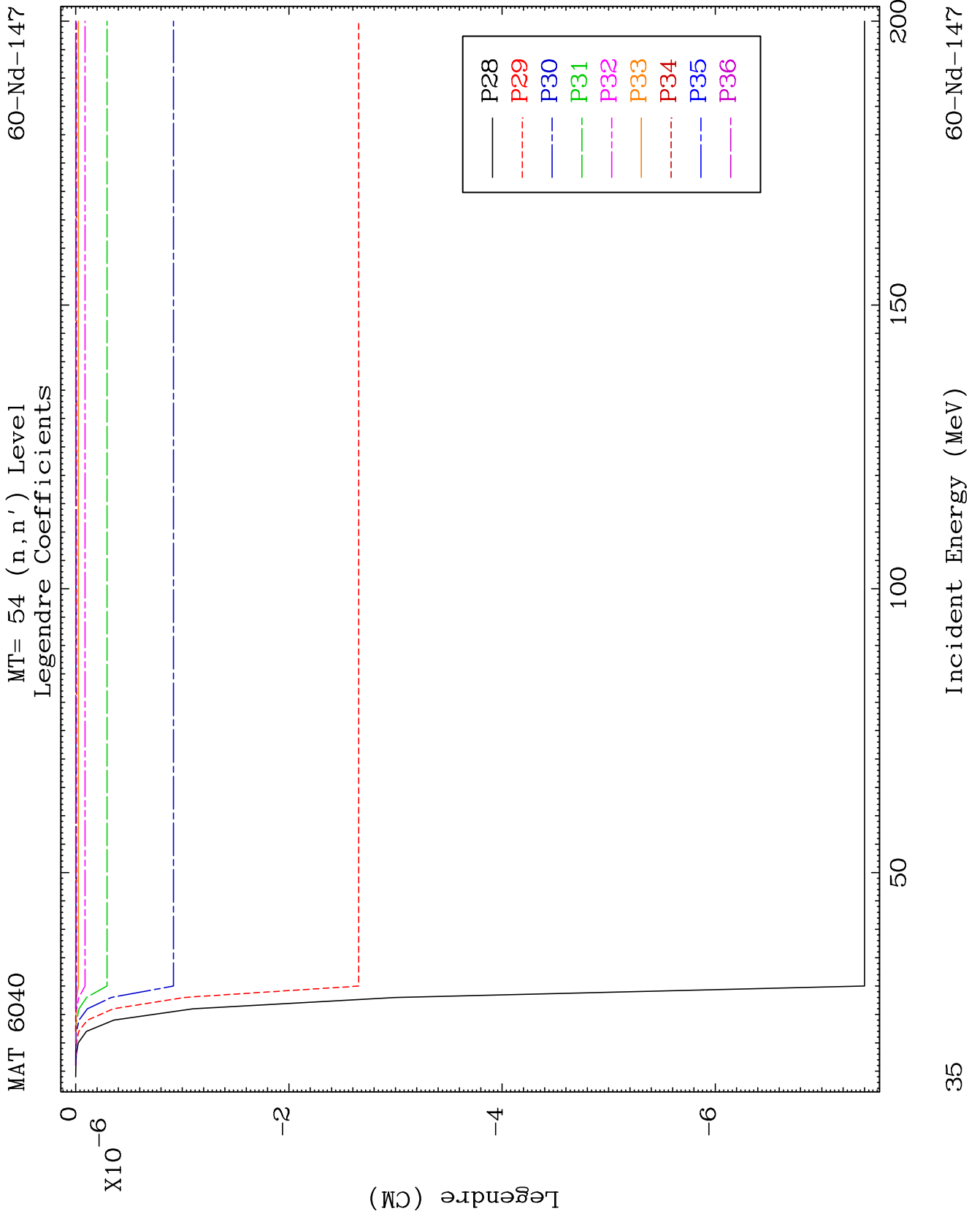
60-Nd-147

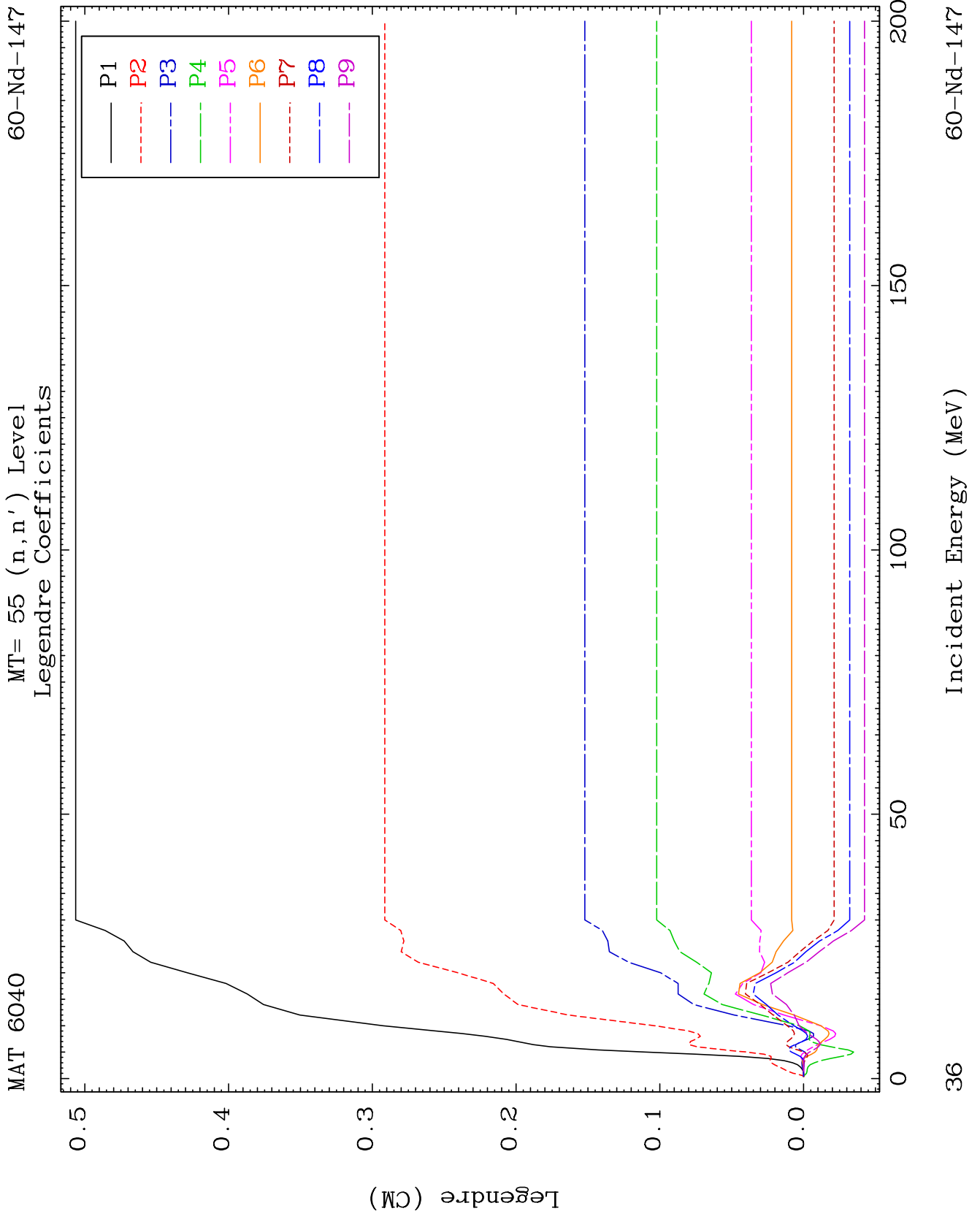


34

Incident Energy (MeV)

60-Nd-147

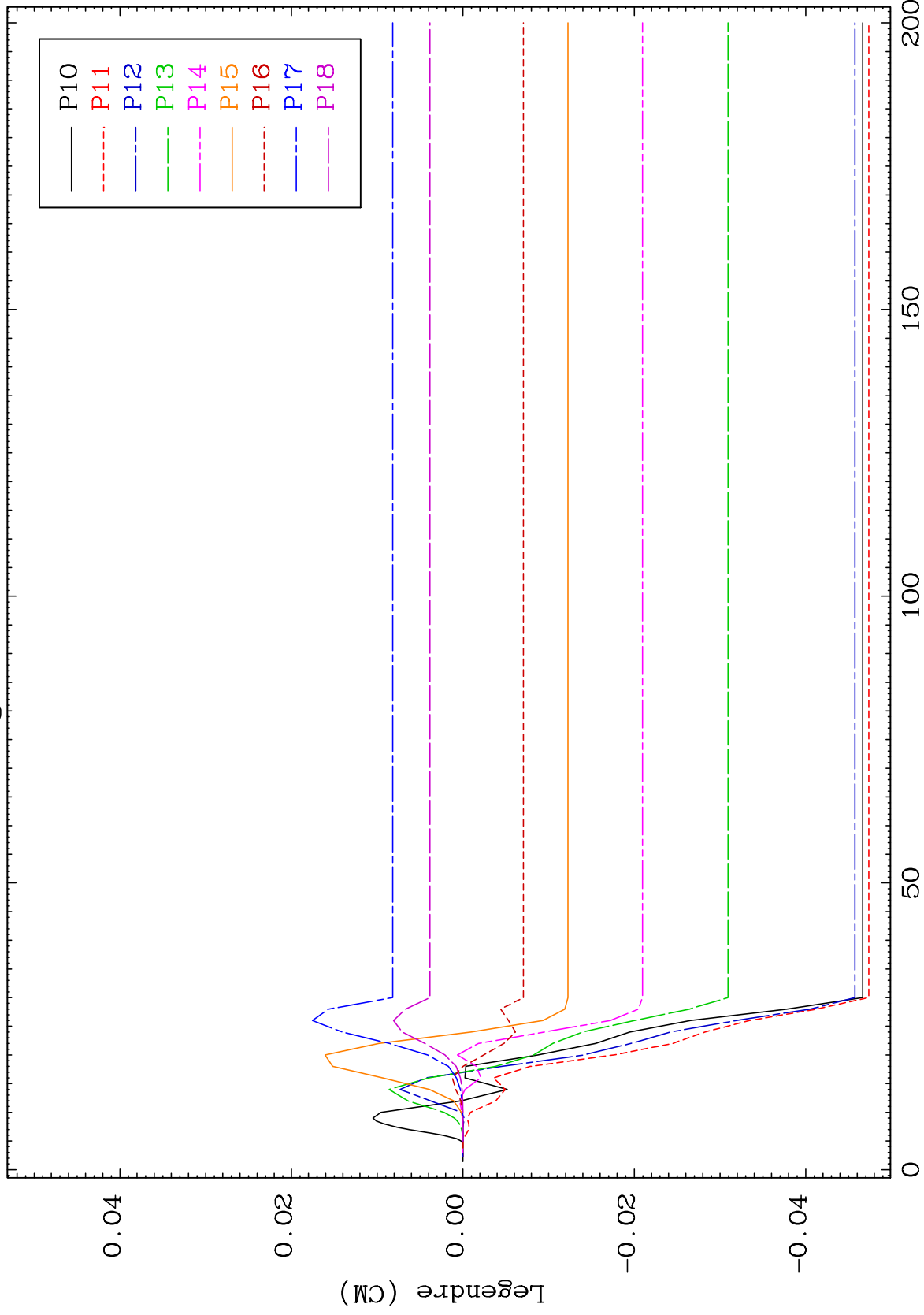




MAT 6040

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

60-Nd-147



37

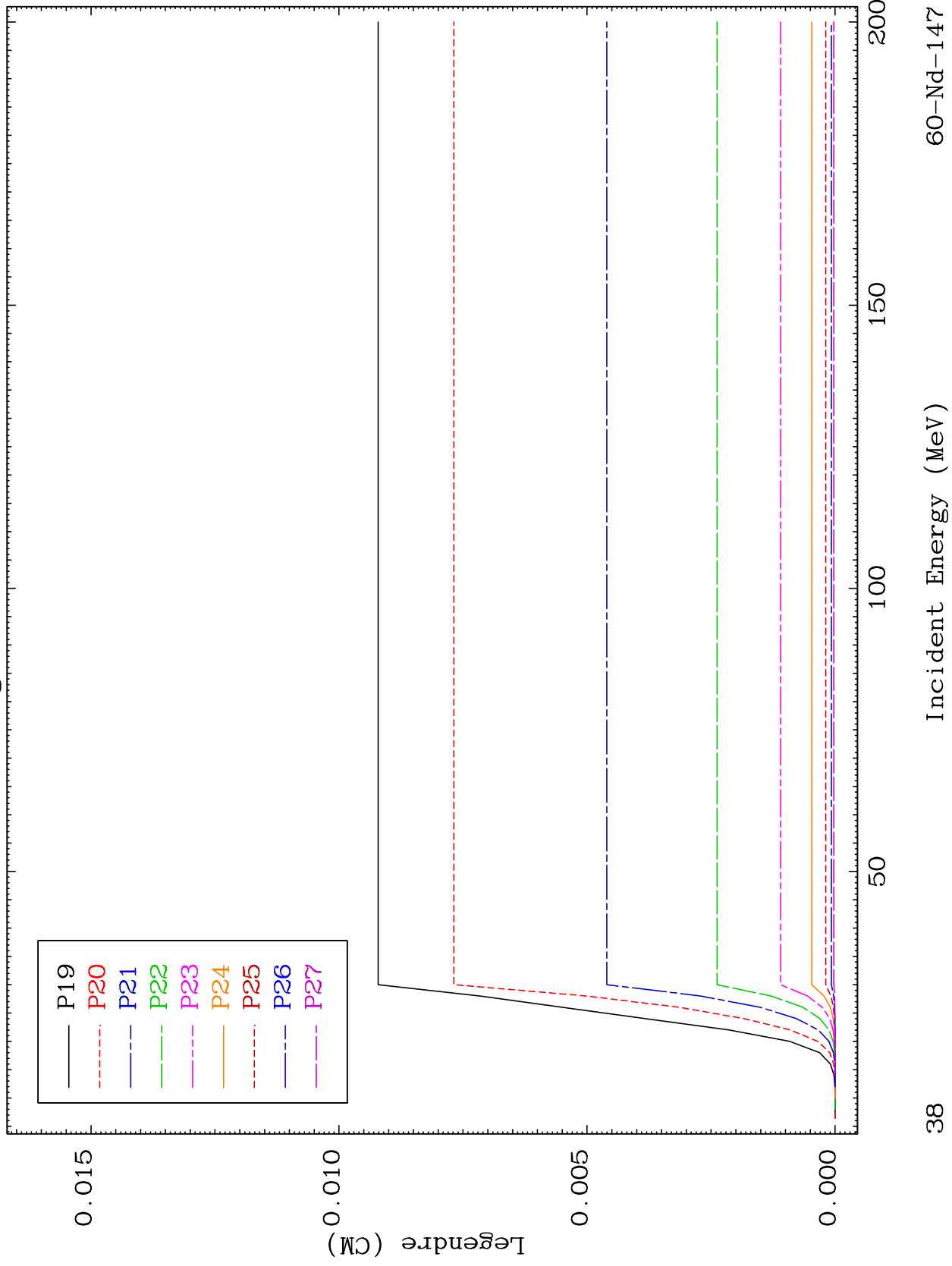
Incident Energy (MeV)

60-Nd-147

MAT 6040

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

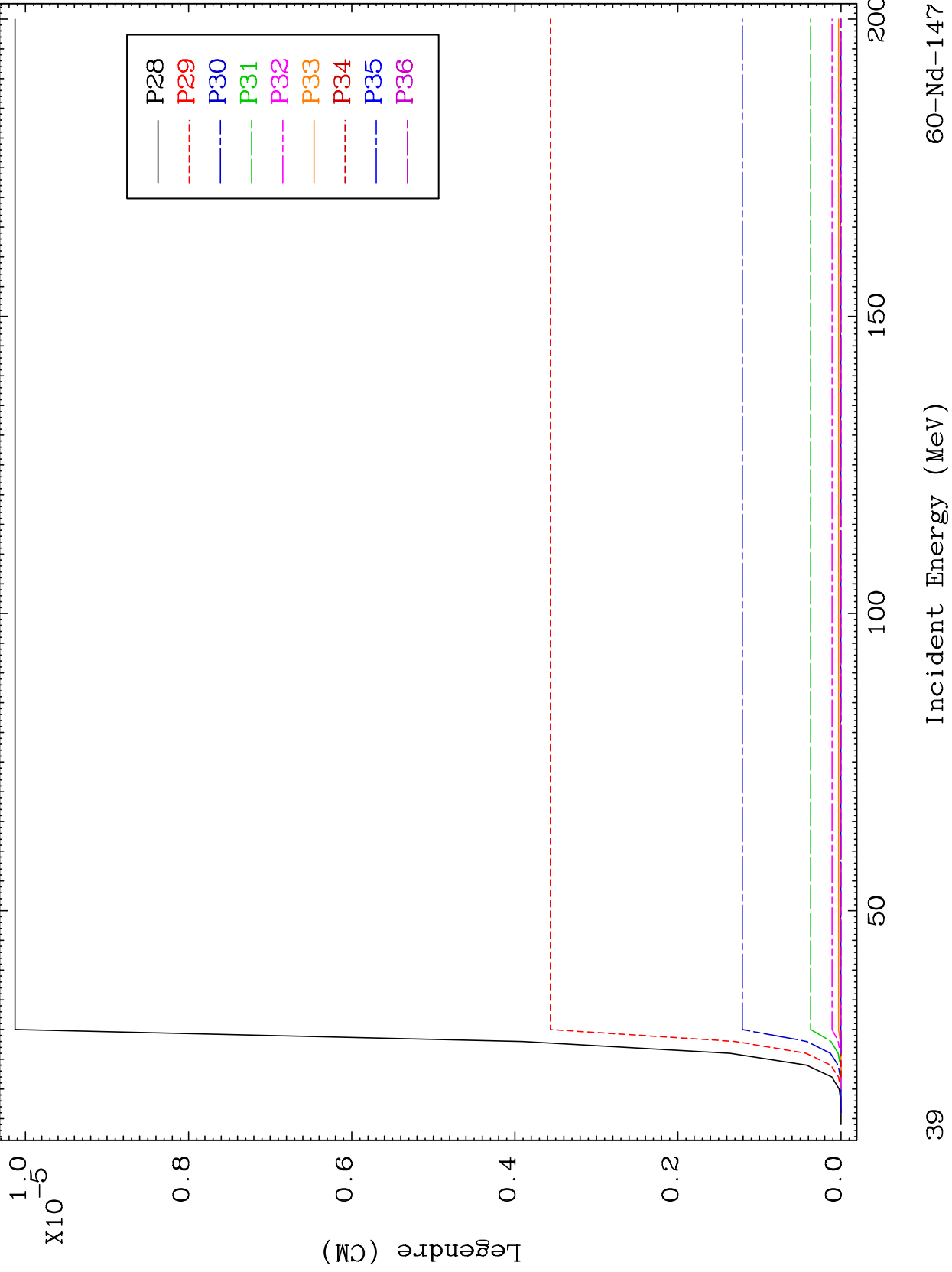
60-Nd-147



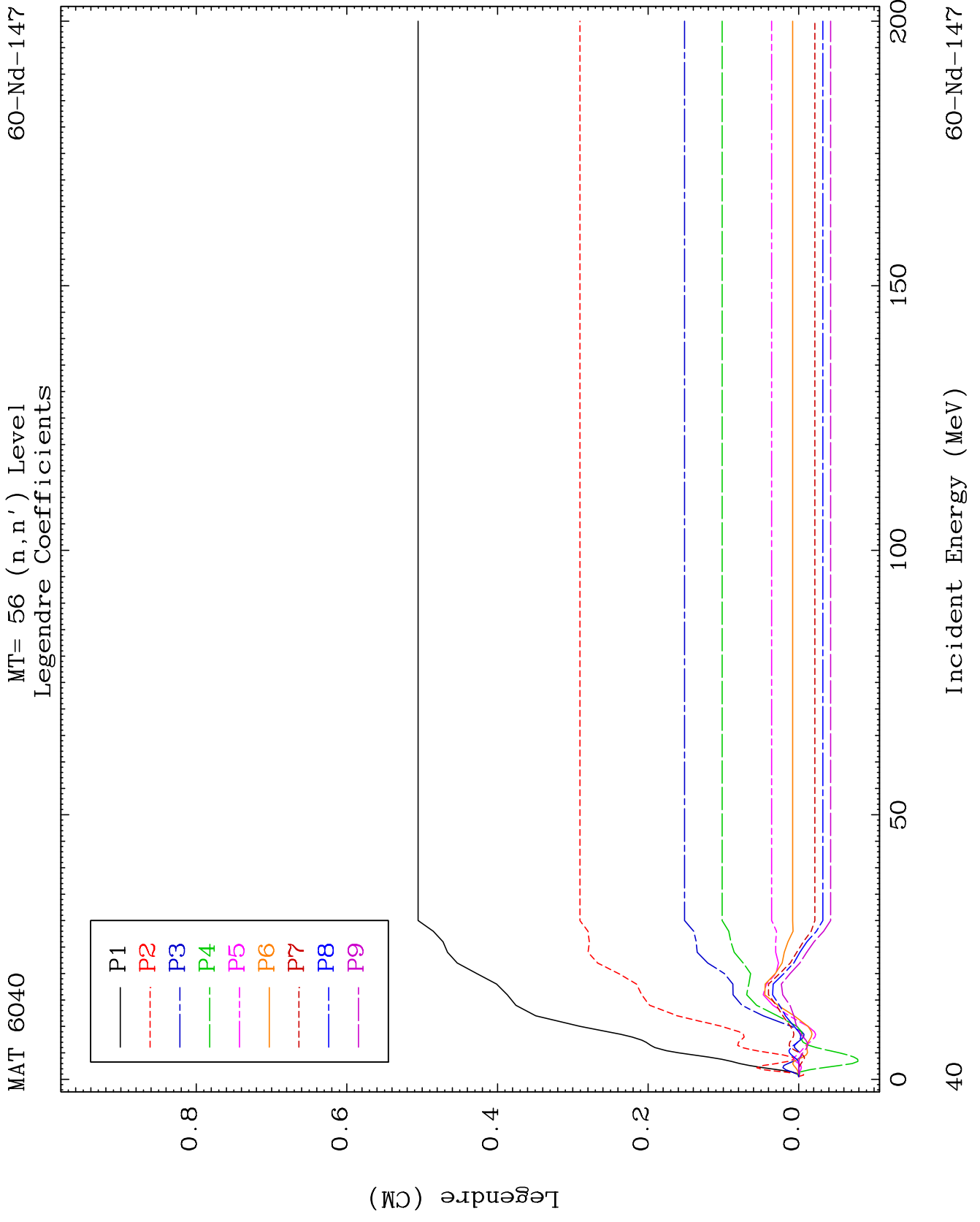
MAT 6040

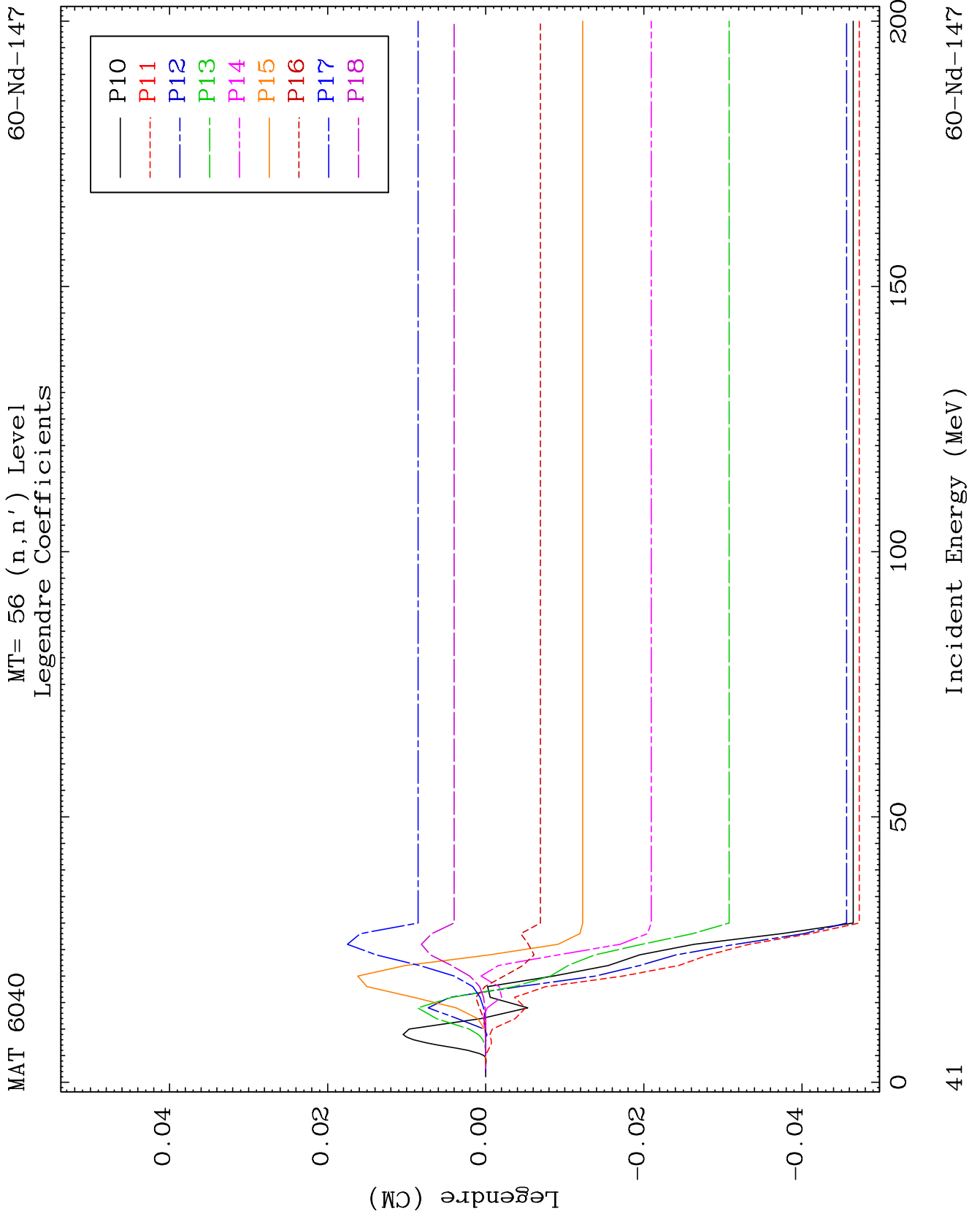
MT= 55 (n,n') Level  
Legendre Coefficients

60-Nd-147





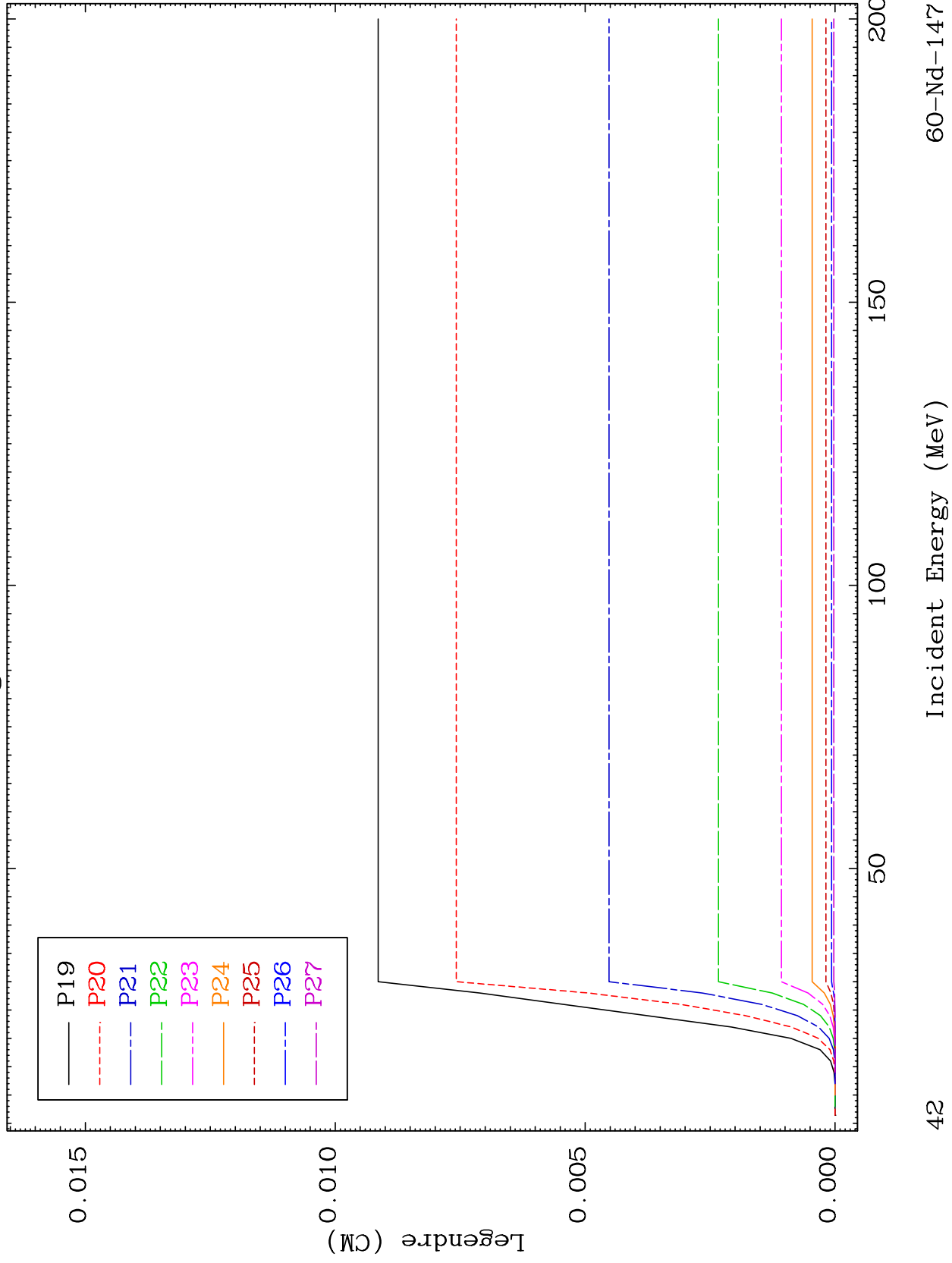




MAT 6040

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

60-Nd-147



42

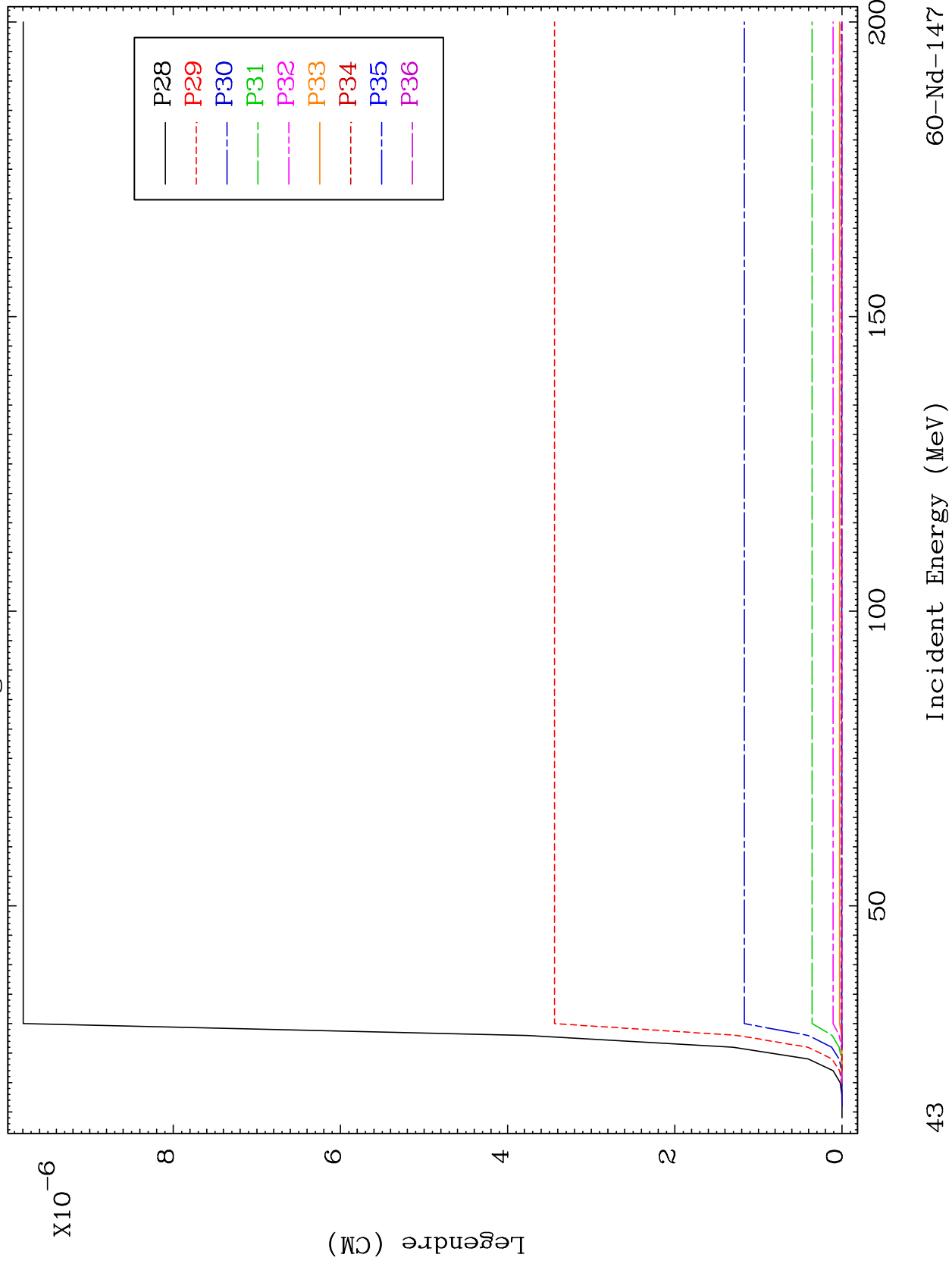
Incident Energy (MeV)

60-Nd-147

MAT 6040

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

60-Nd-147



43

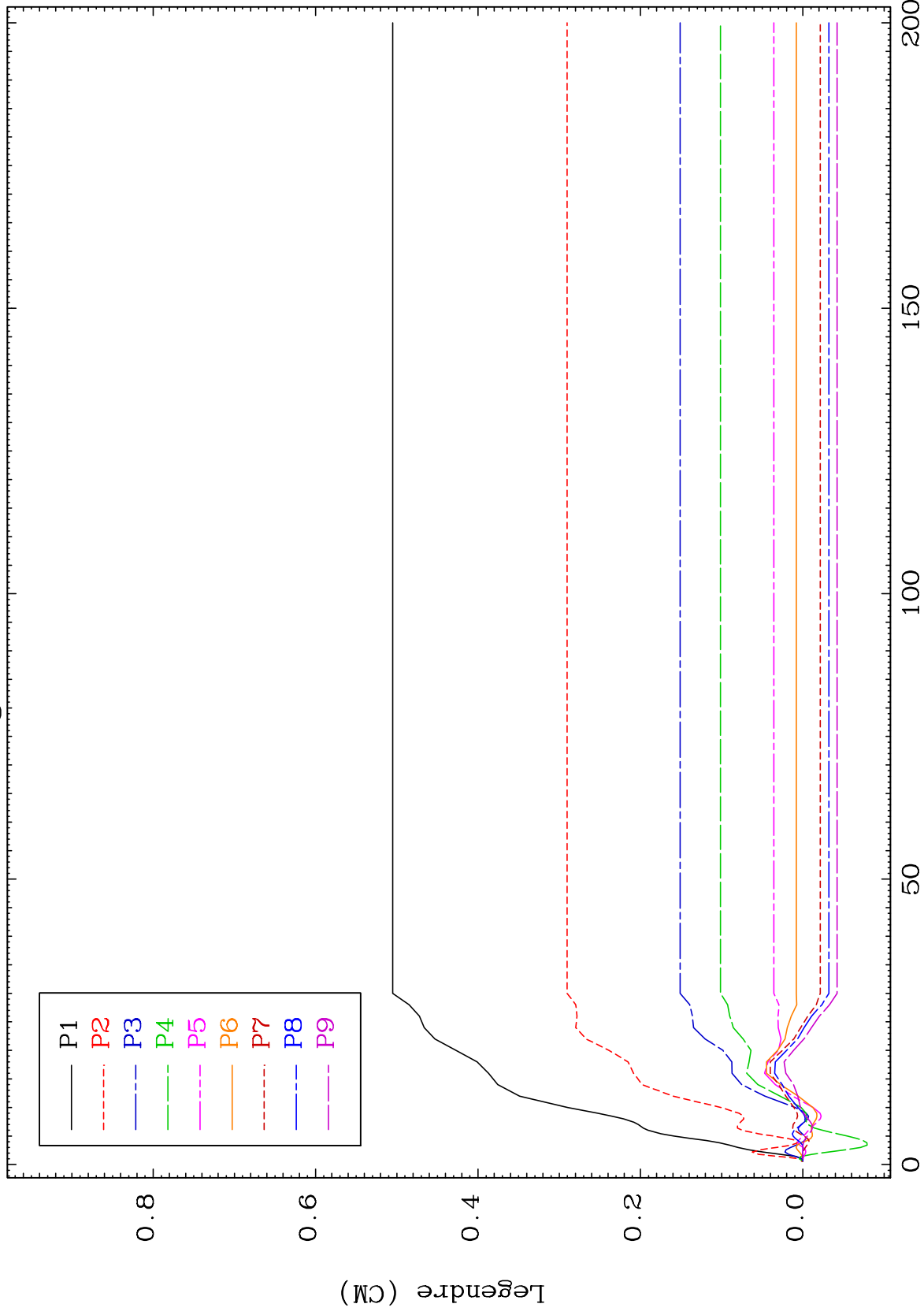
Incident Energy (MeV)

60-Nd-147

MAT 6040

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

60-Nd-147



44

Incident Energy (MeV)

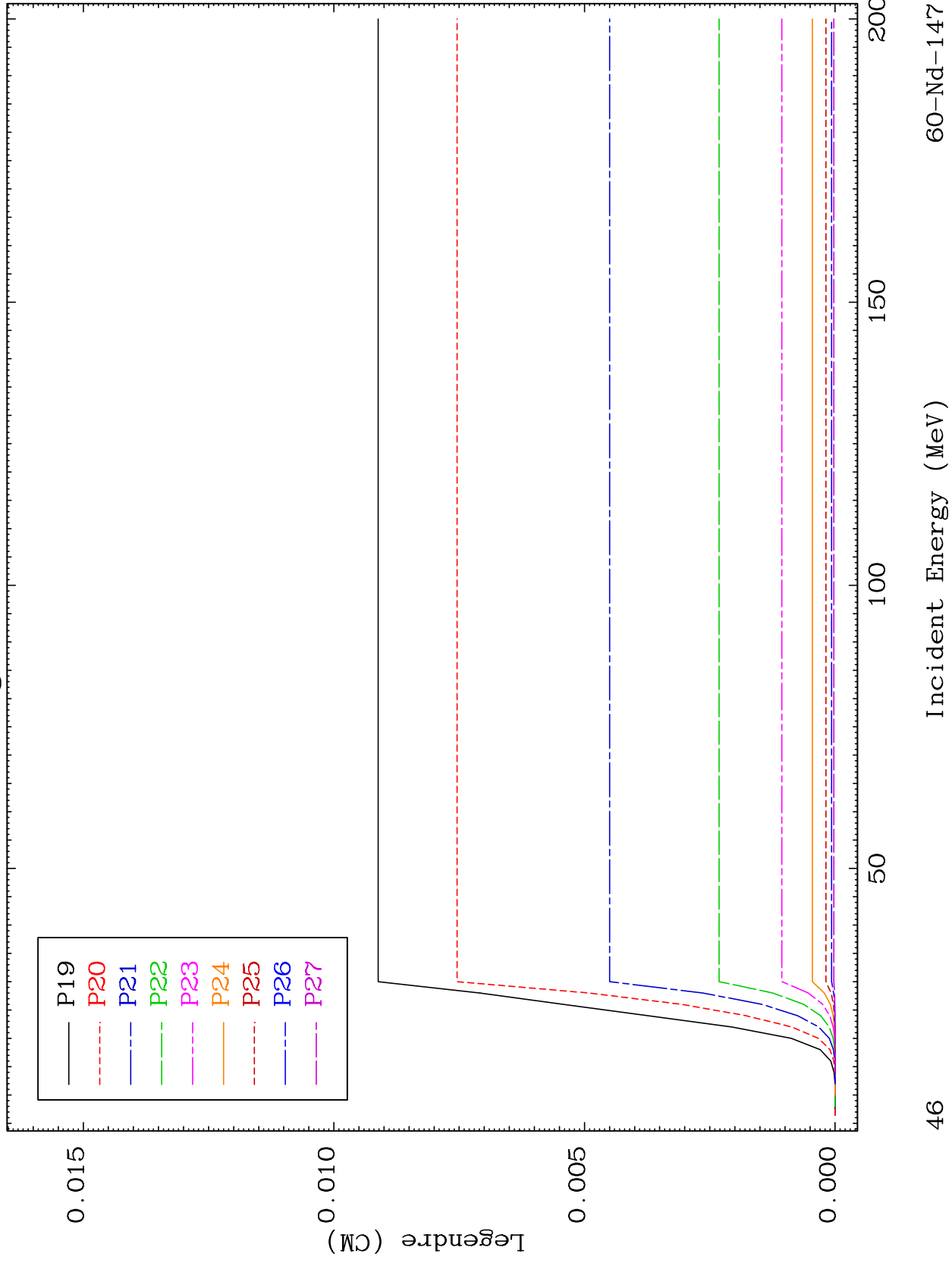
60-Nd-147



MAT 6040

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

60-Nd-147



46

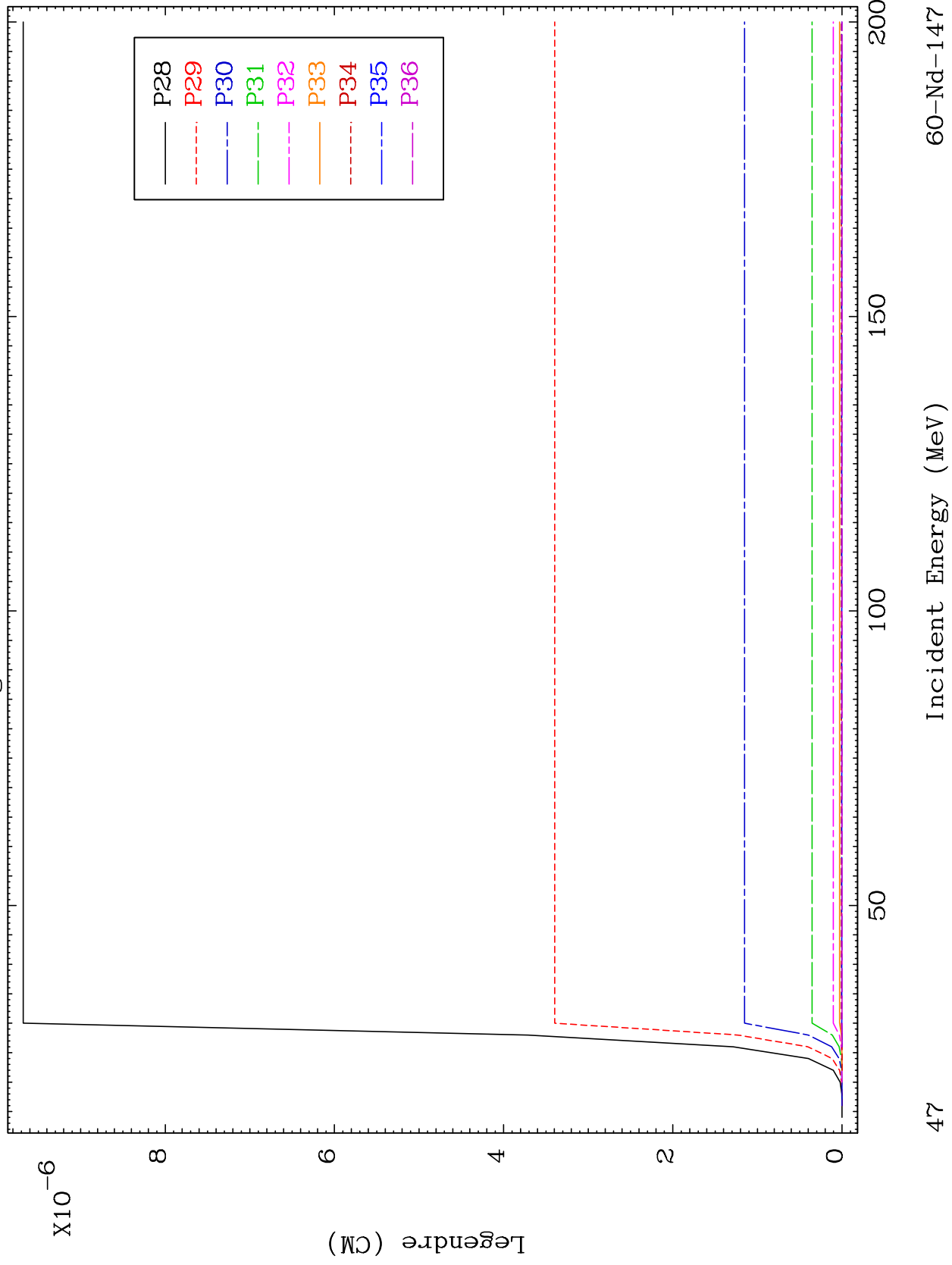
Incident Energy (MeV)

60-Nd-147

MAT 6040

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

60-Nd-147





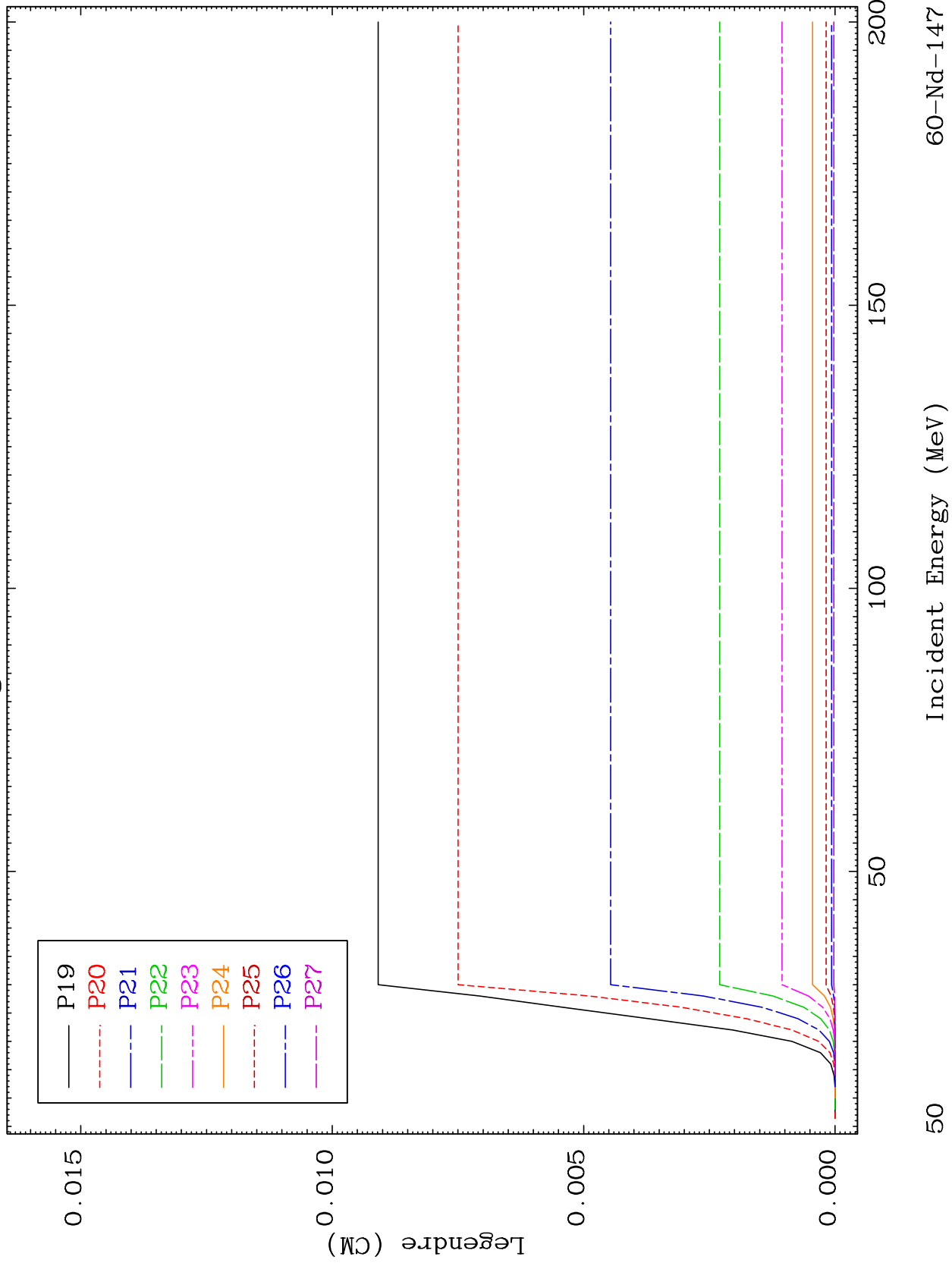


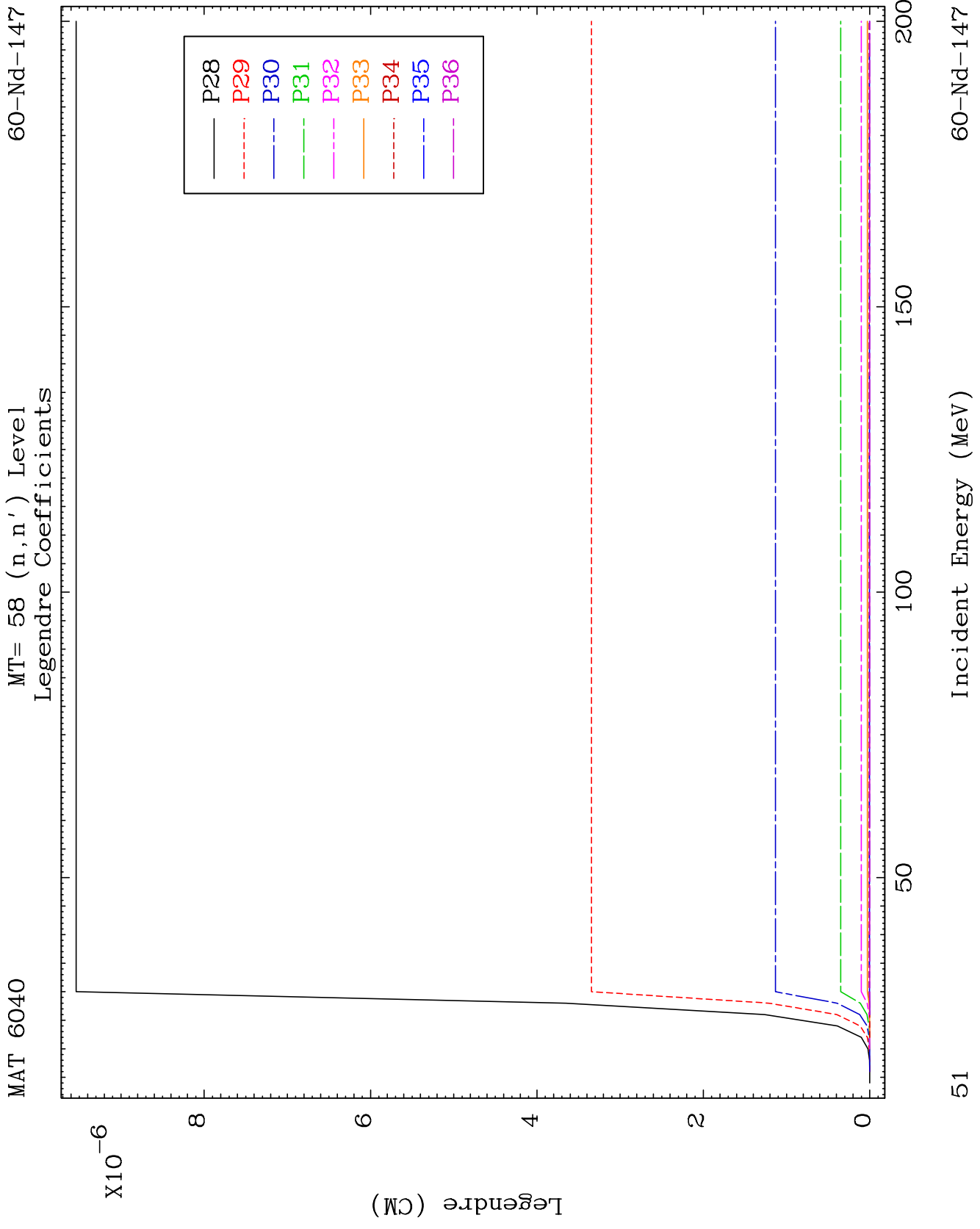


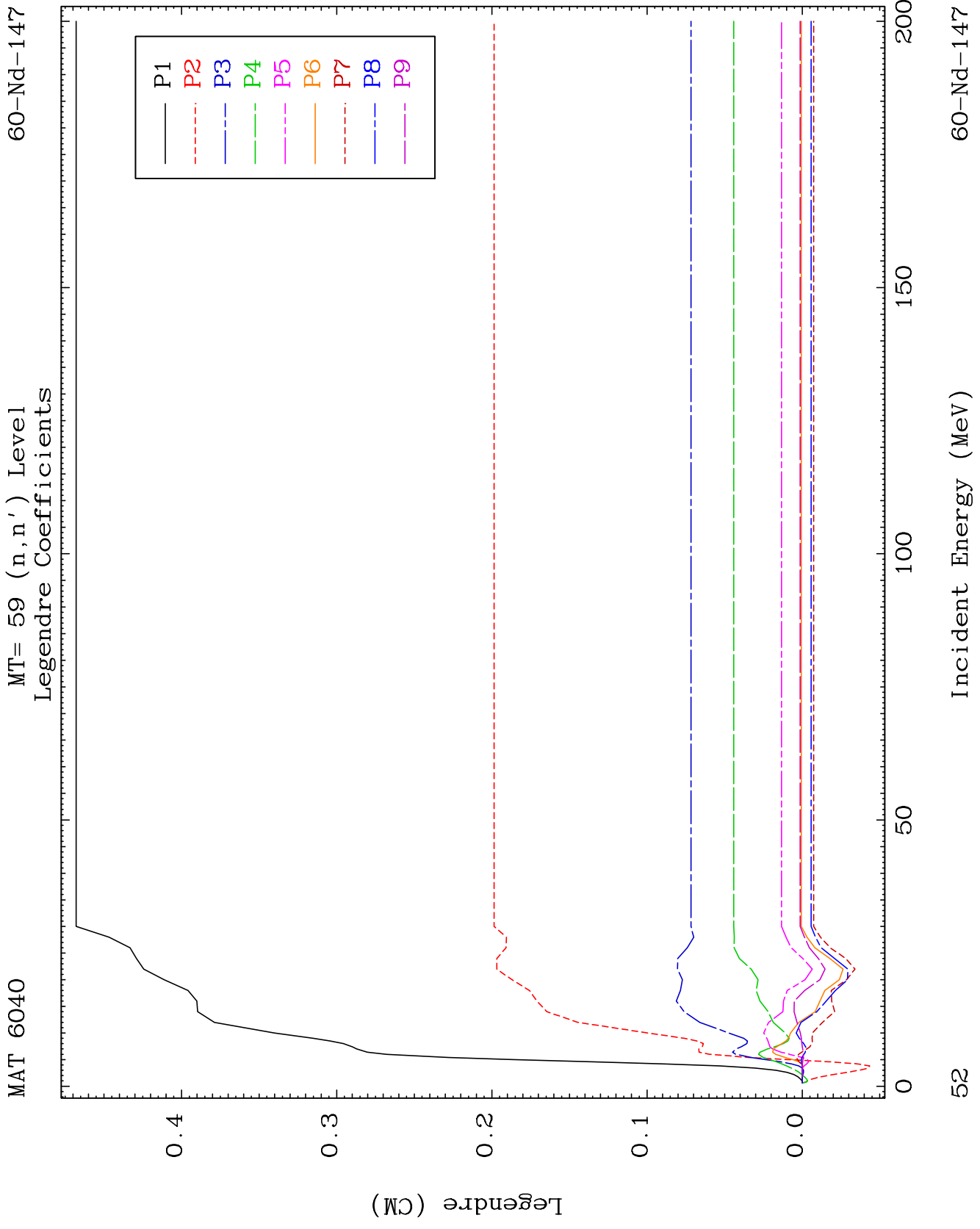
MAT 6040

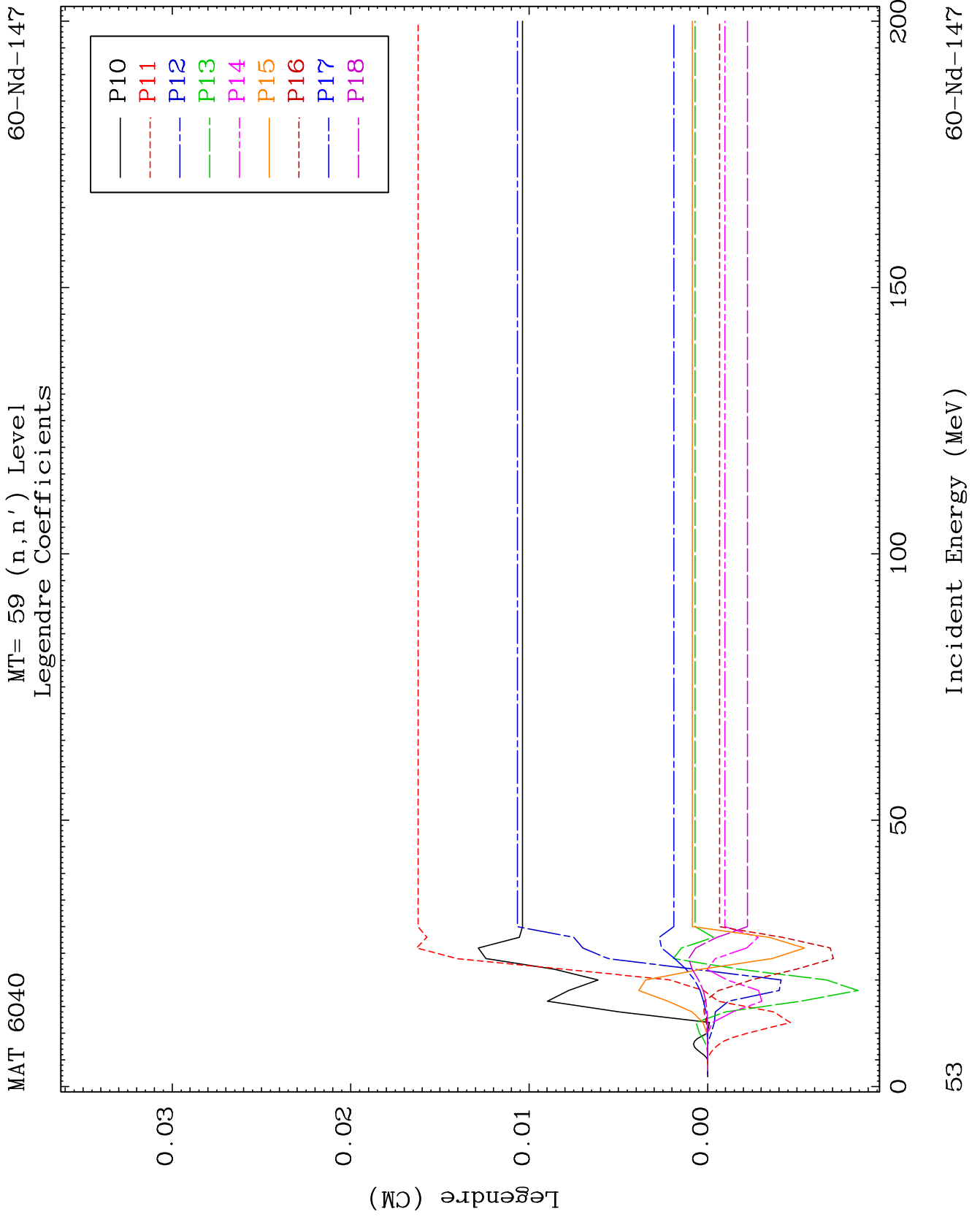
MT= 58 (n,n') Level  
Legendre Coefficients

60-Nd-147





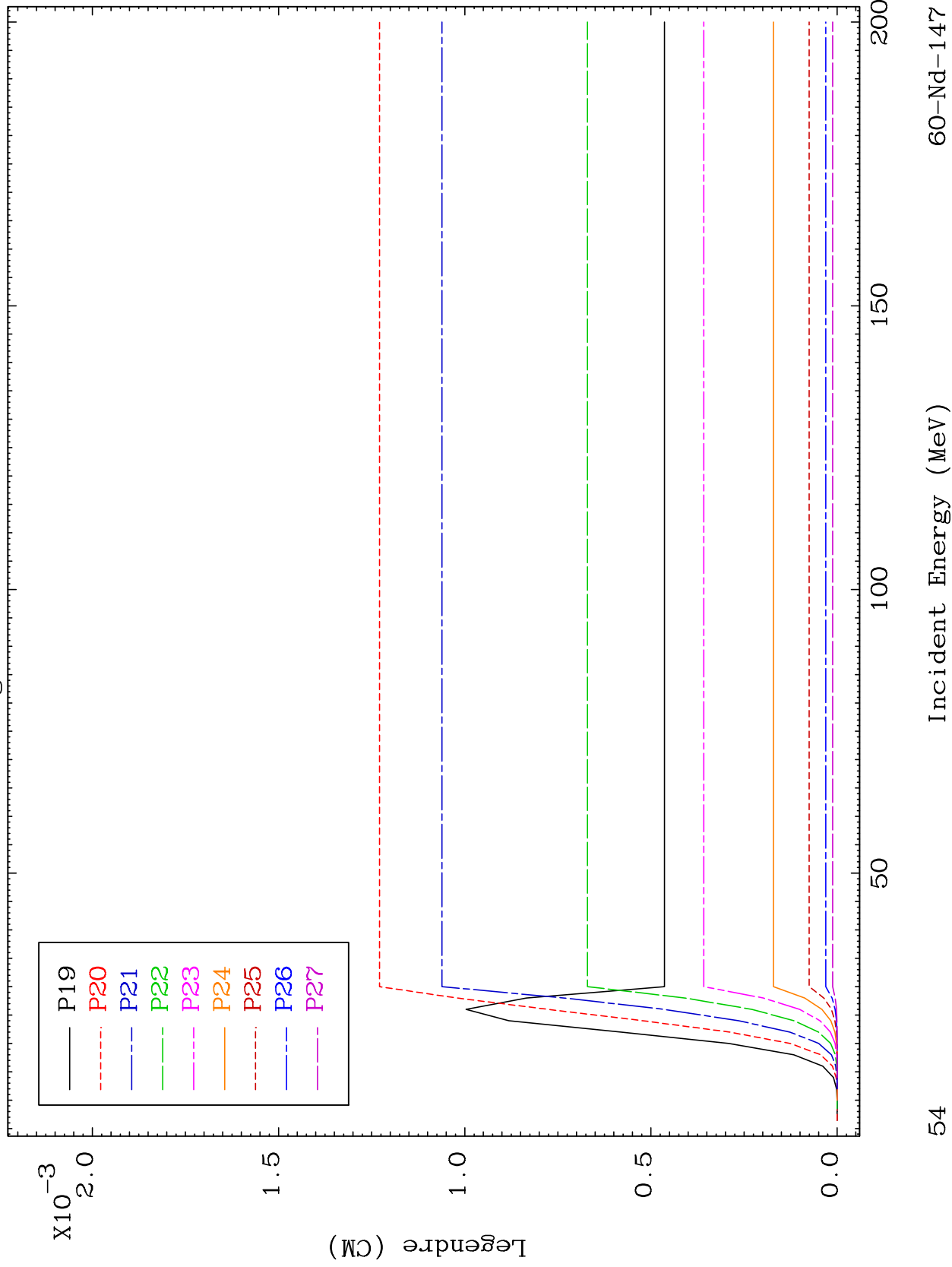




MAT 6040

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

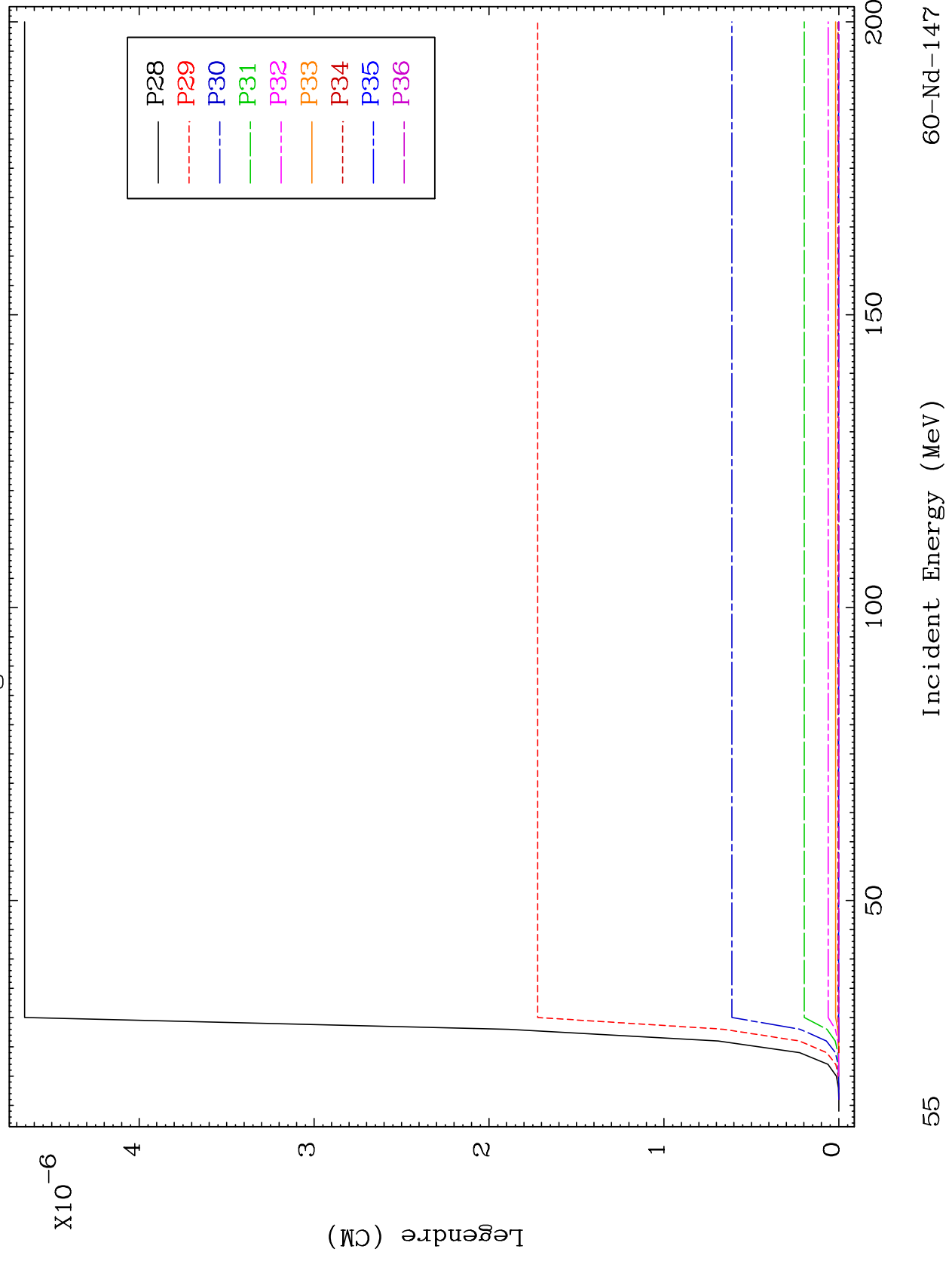
60-Nd-147



MAT 6040

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

60-Nd-147

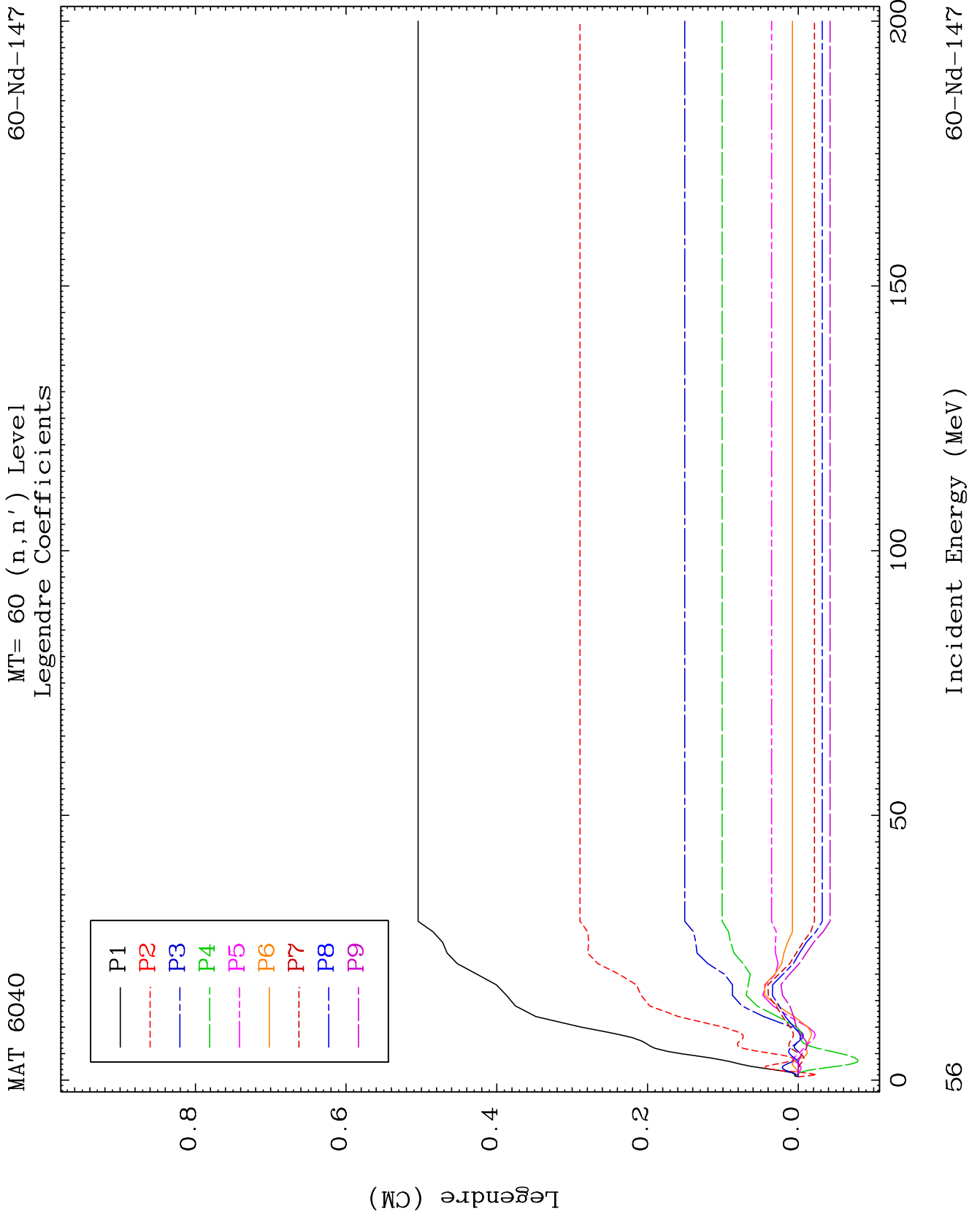


60-Nd-147

Incident Energy (MeV)

55

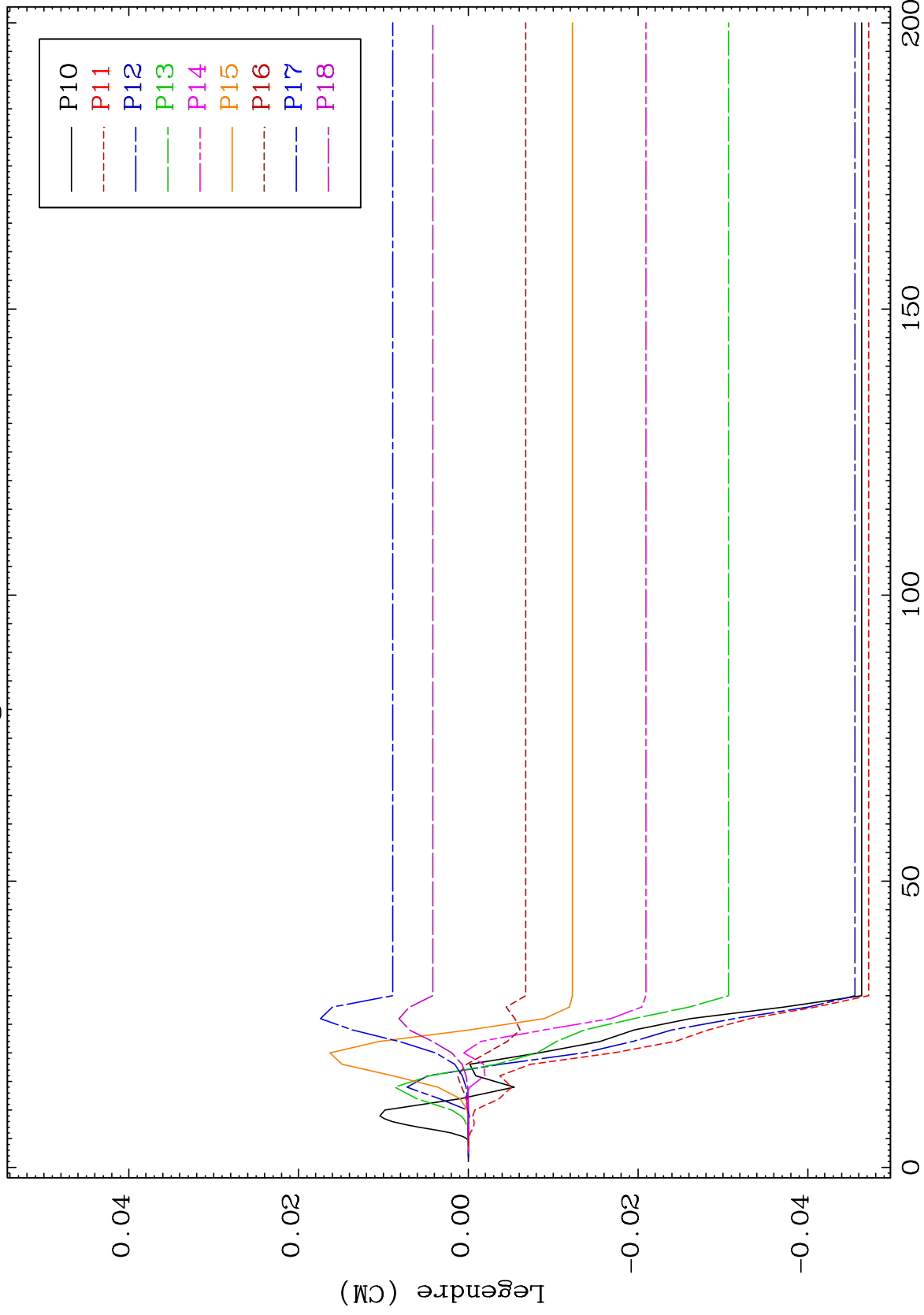




MAT 6040

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

60-Nd-147



57

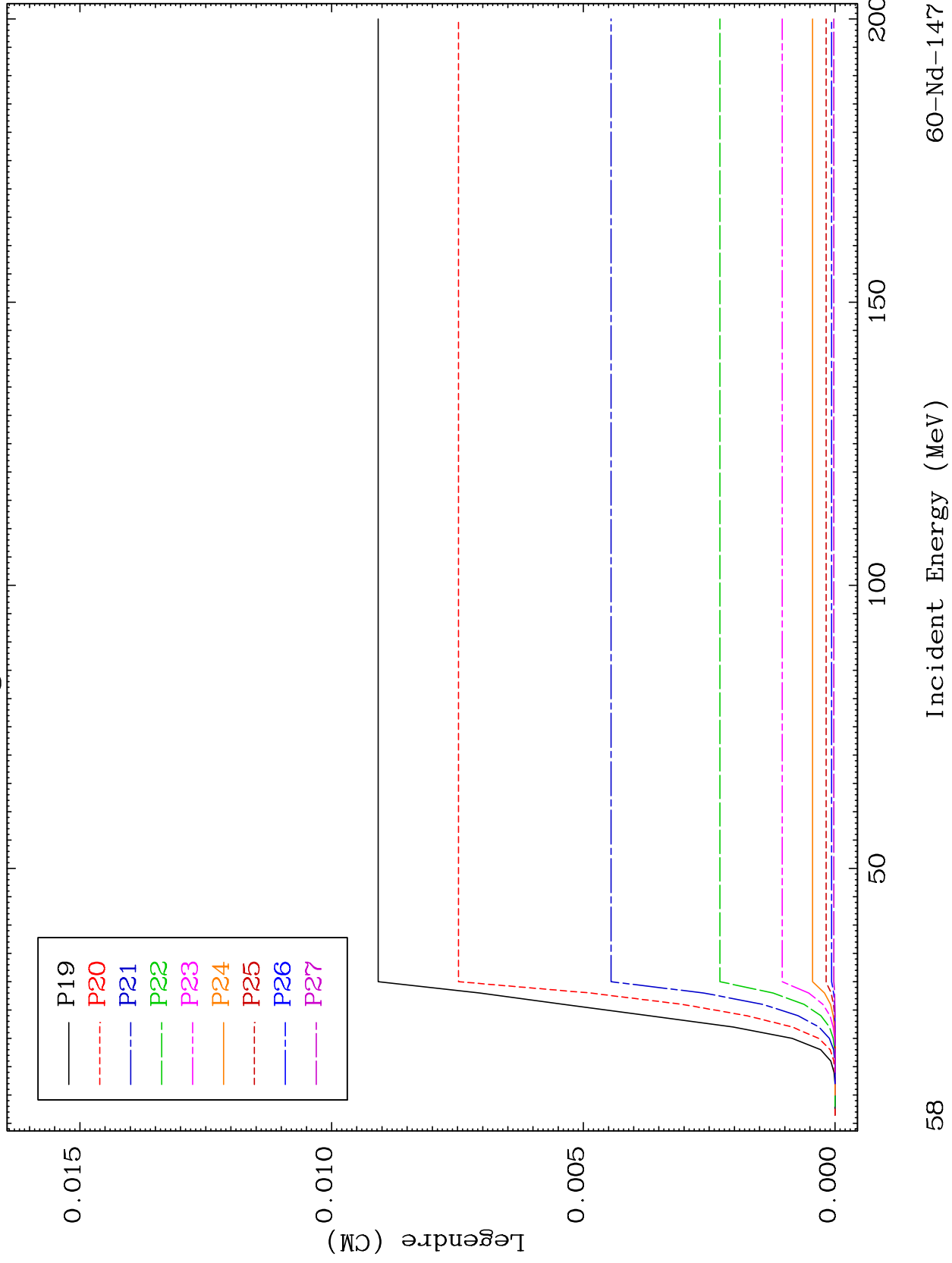
Incident Energy (MeV)

60-Nd-147

MAT 6040

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

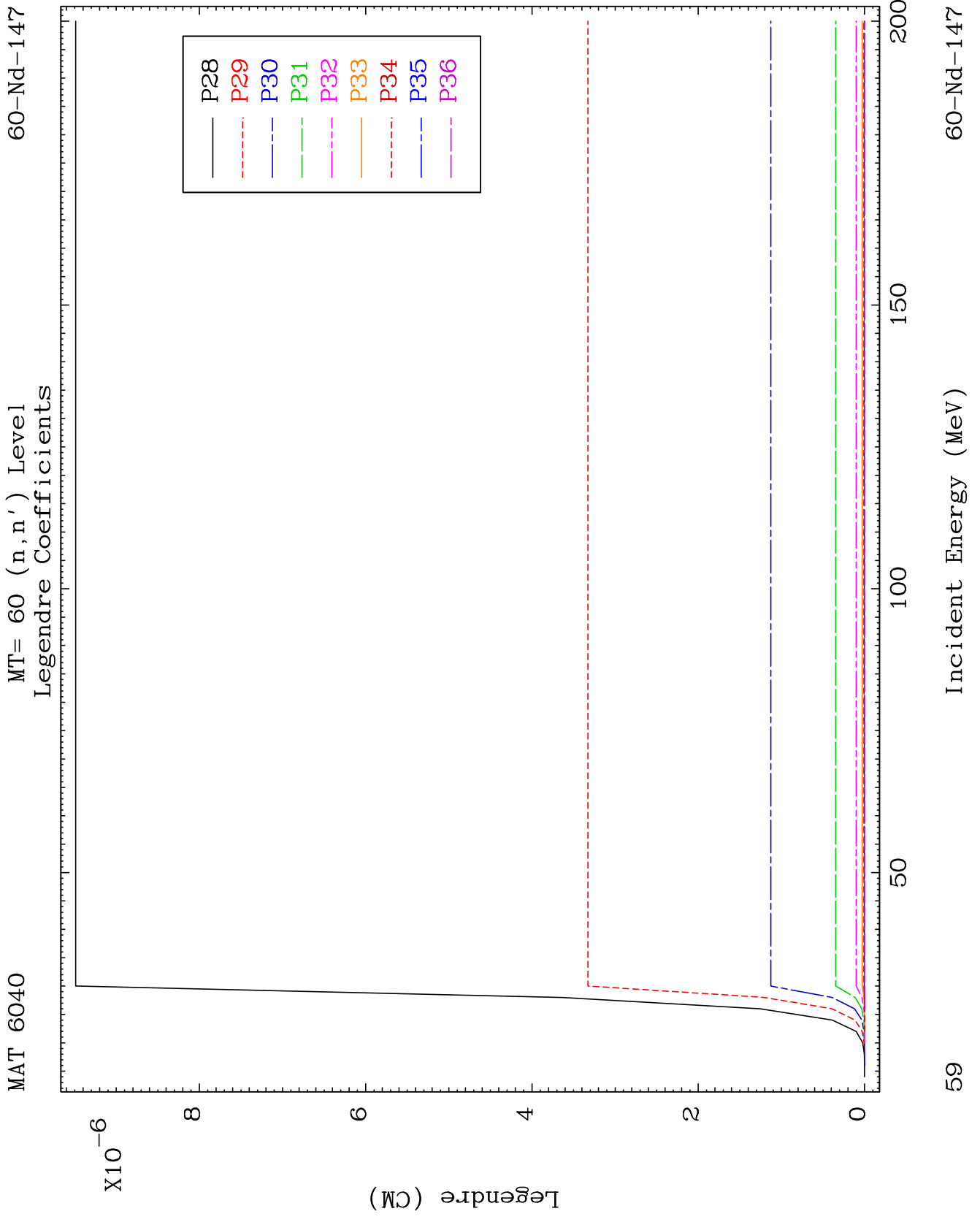
60-Nd-147



58

Incident Energy (MeV)

60-Nd-147



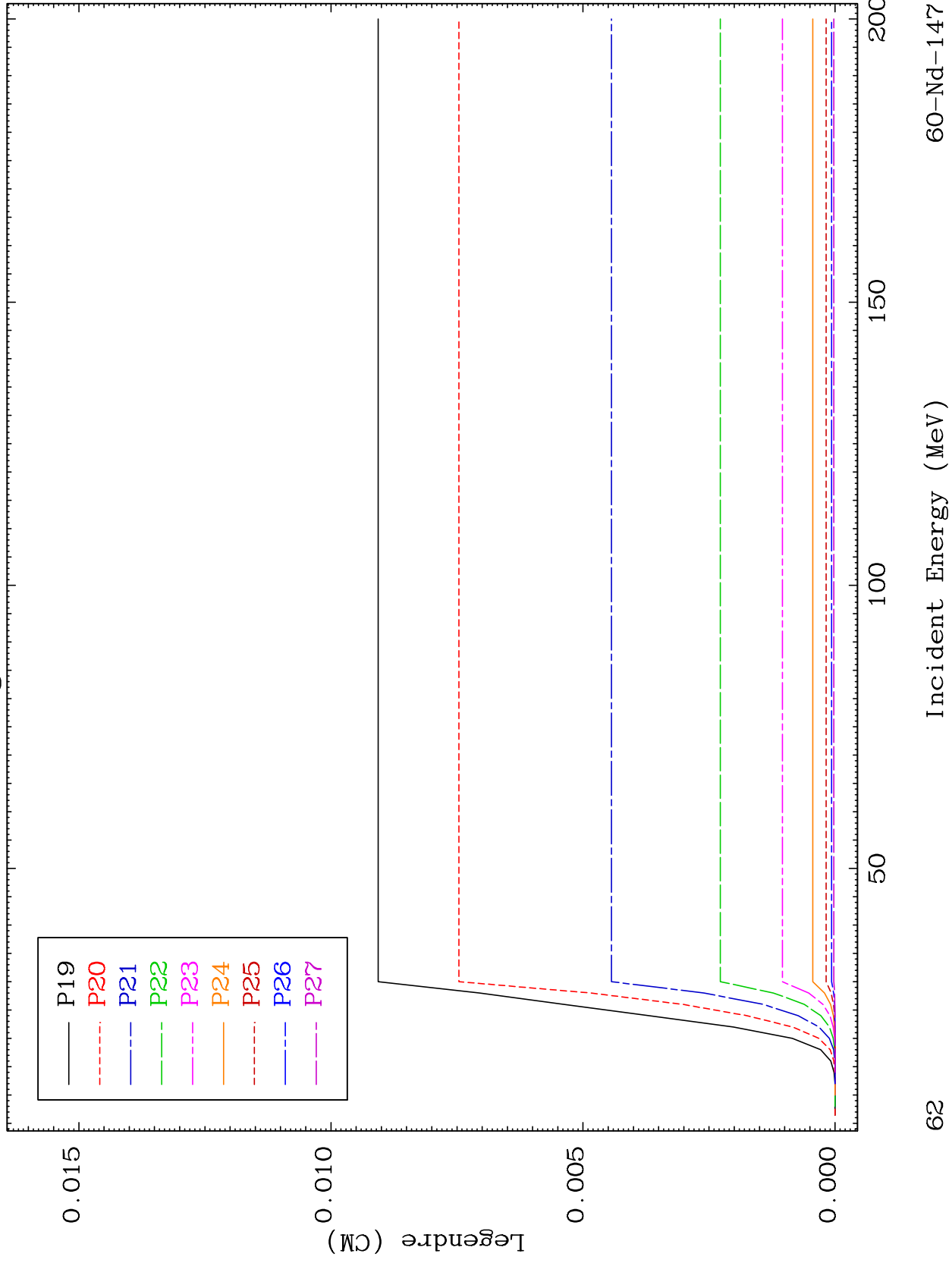


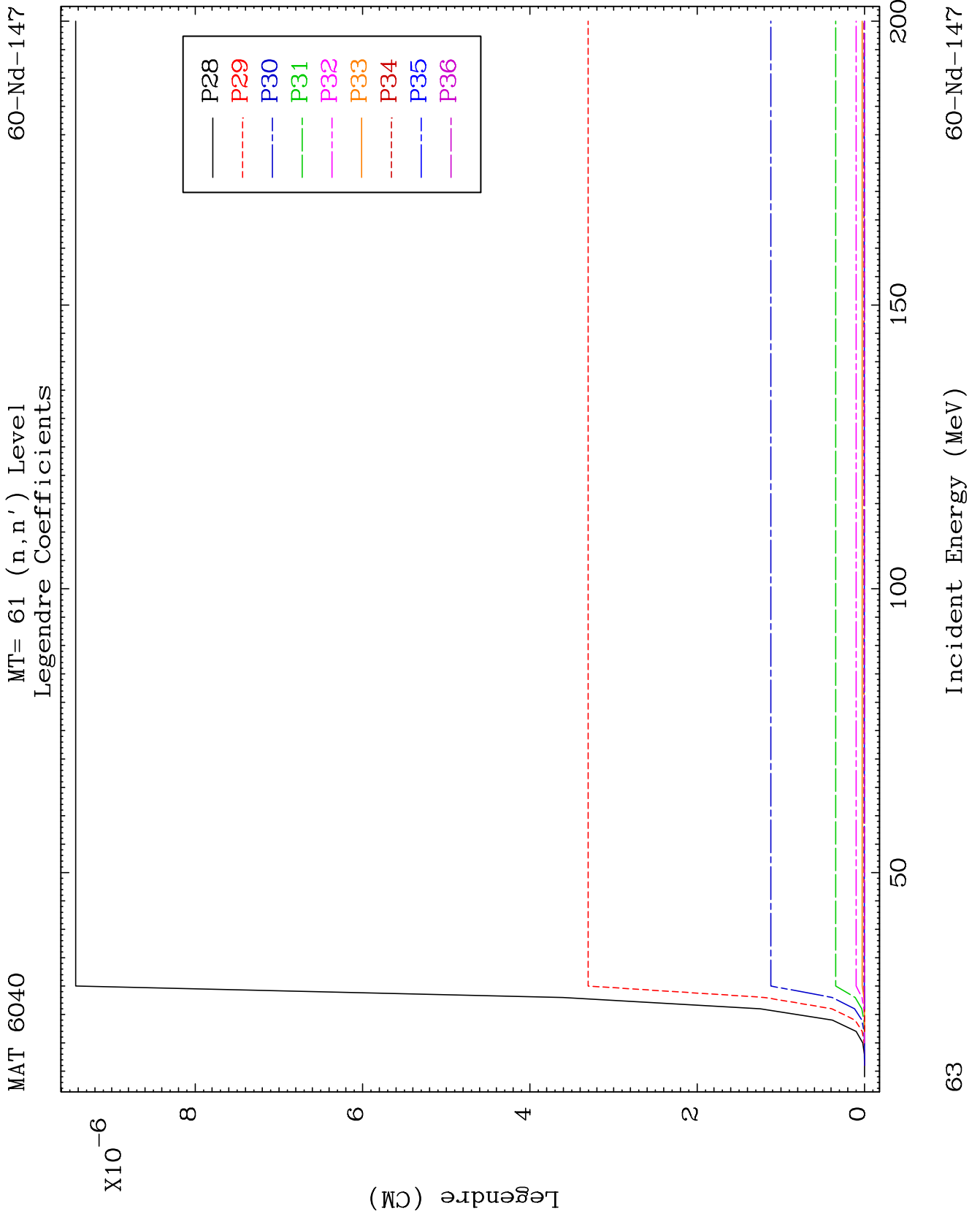


MAT 6040

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

60-Nd-147







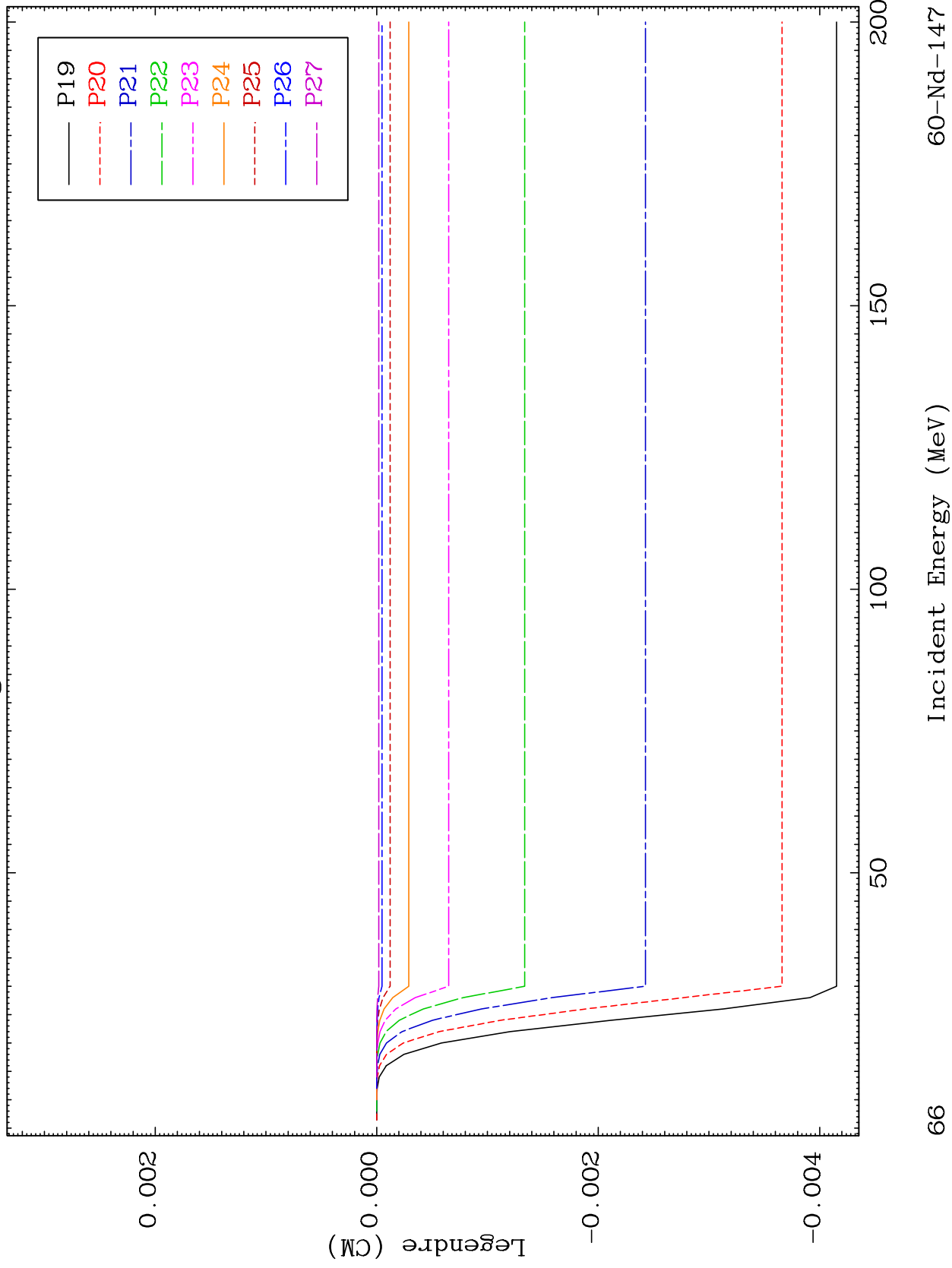




MAT 6040

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

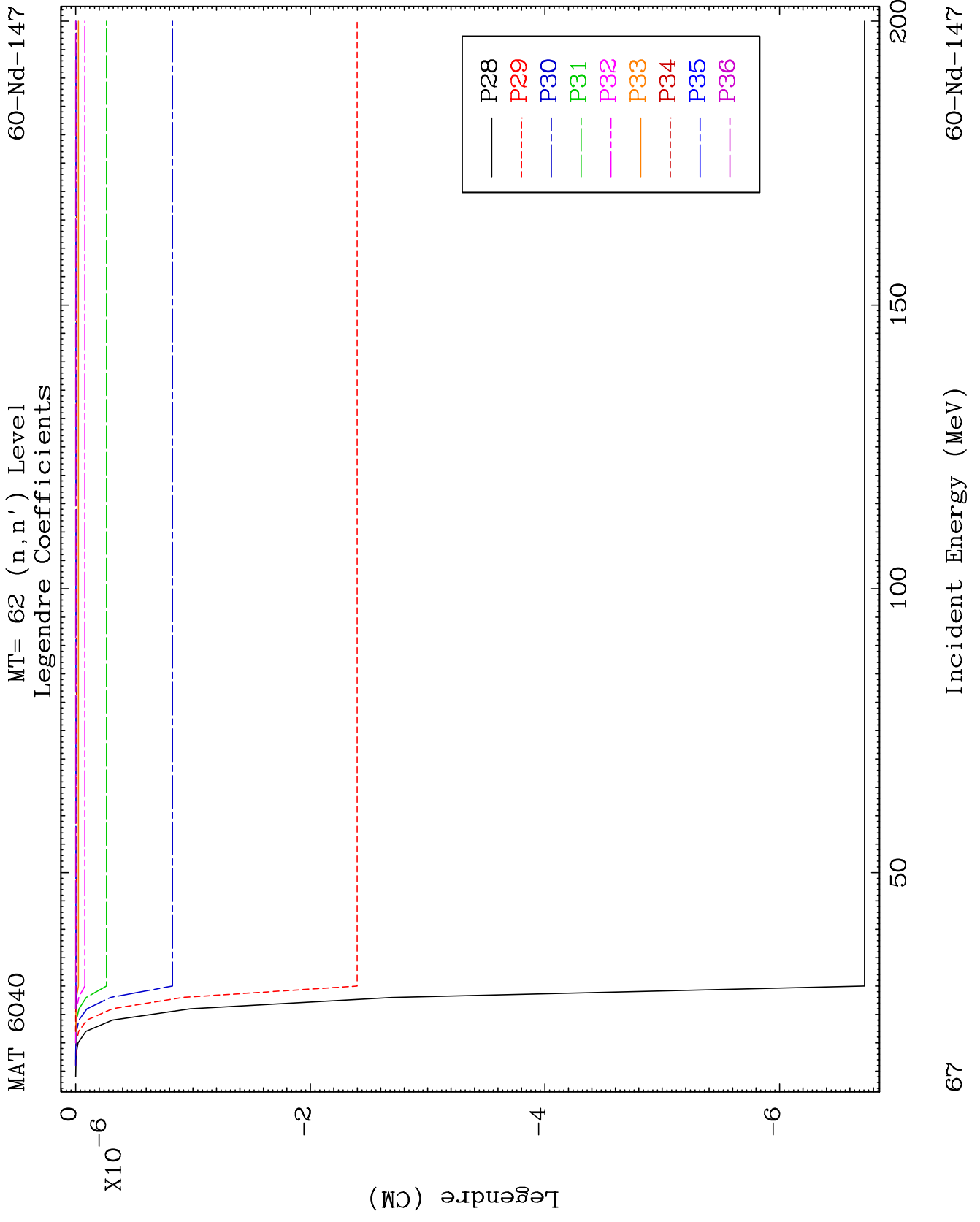
60-Nd-147



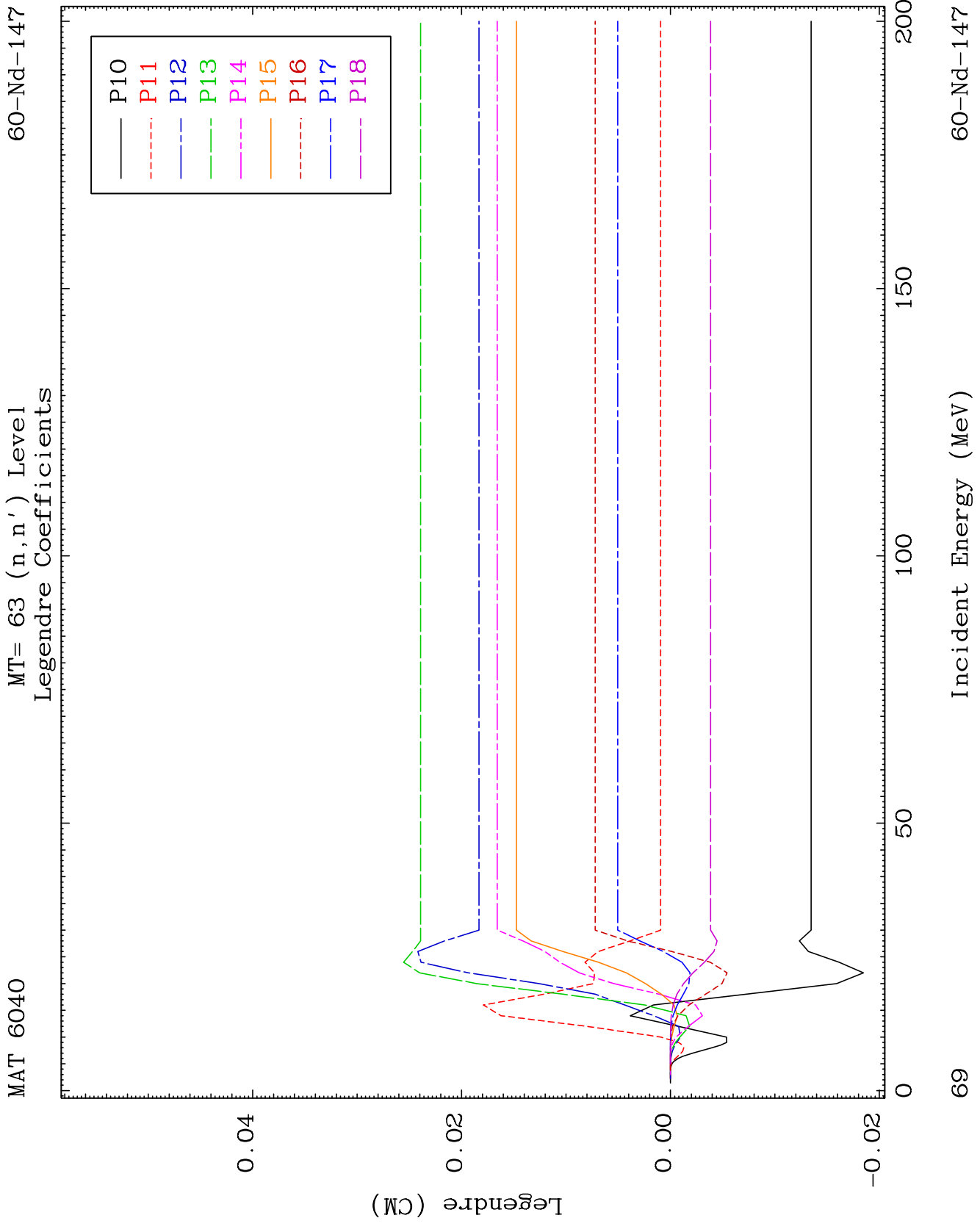
66

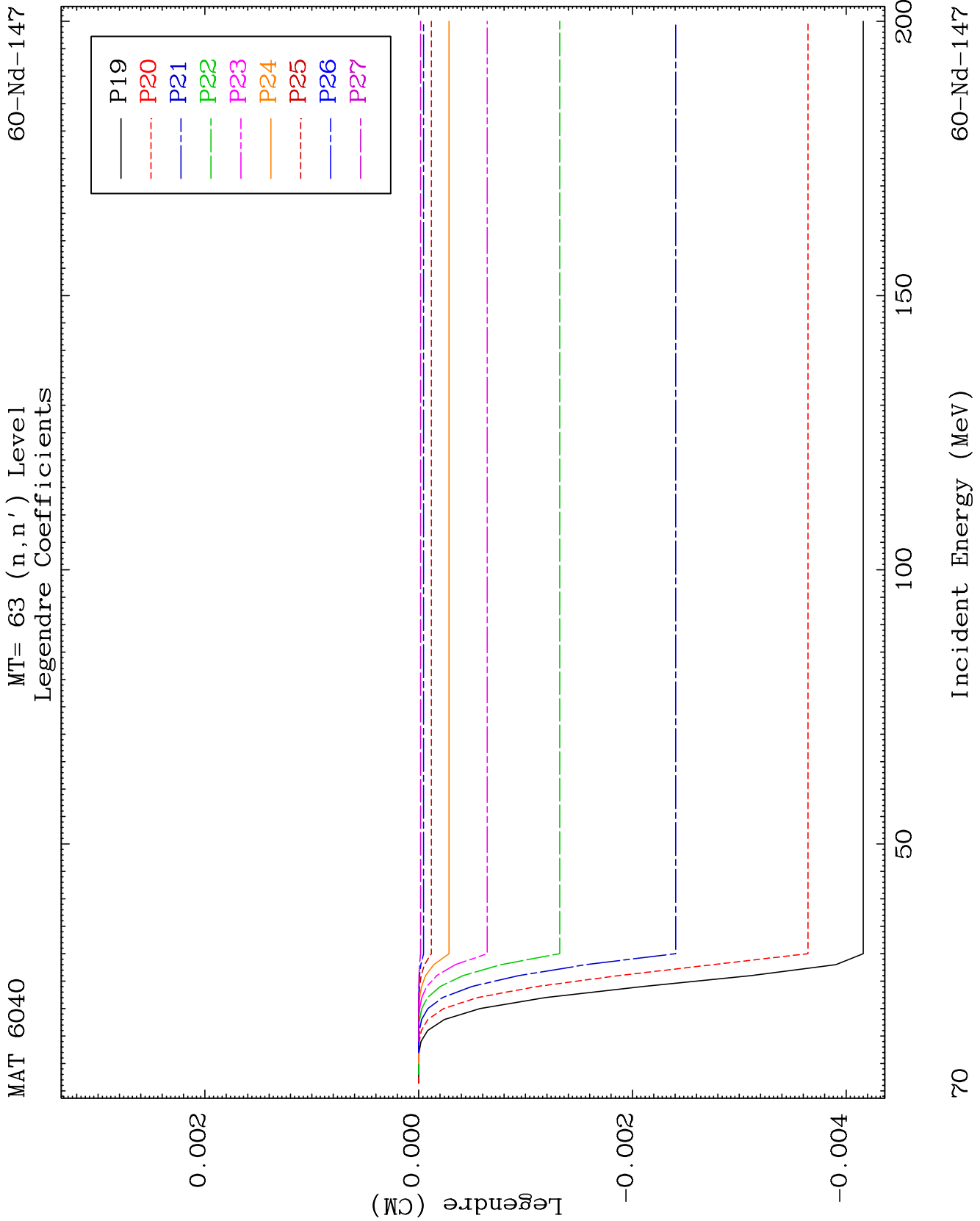
Incident Energy (MeV)

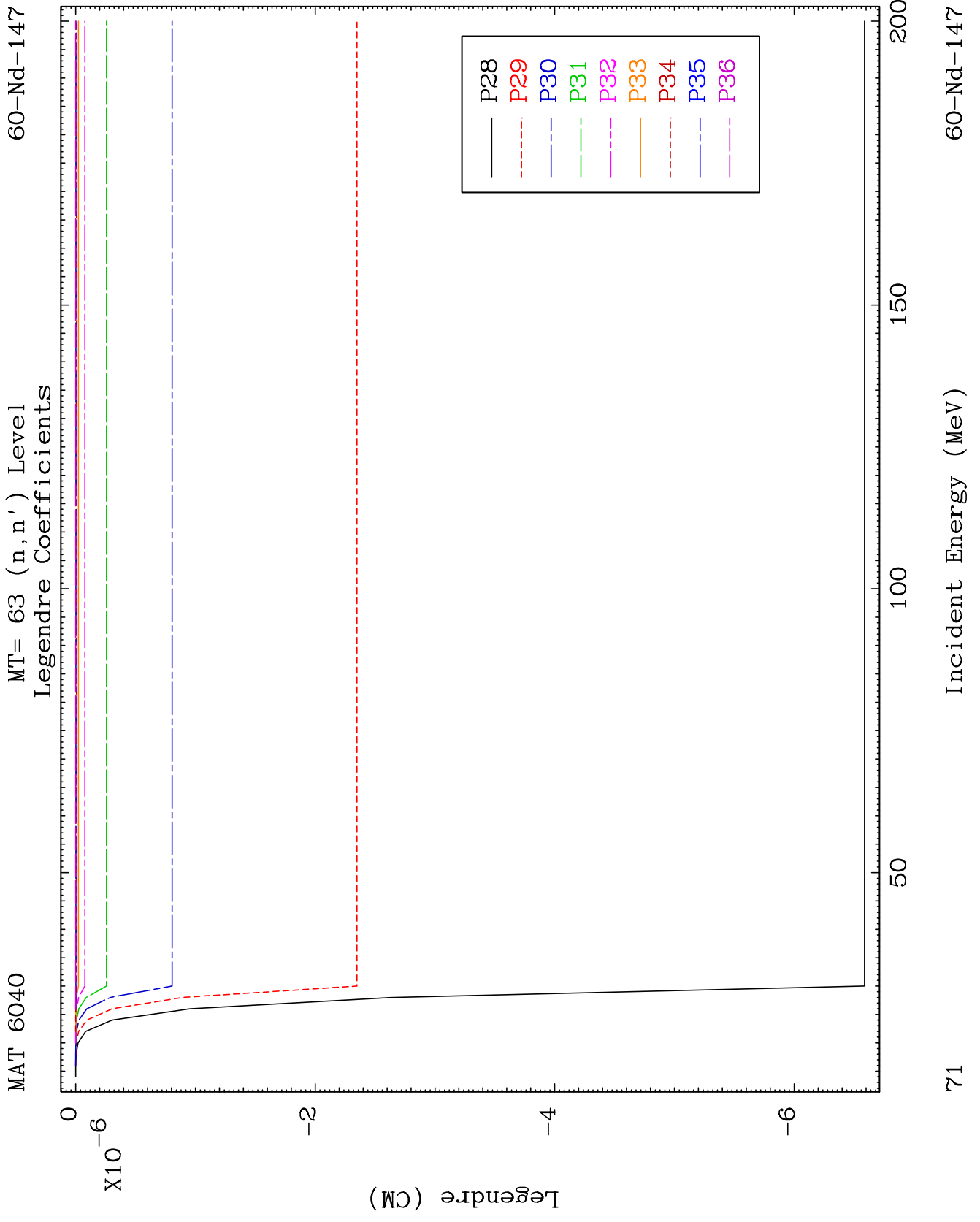
60-Nd-147



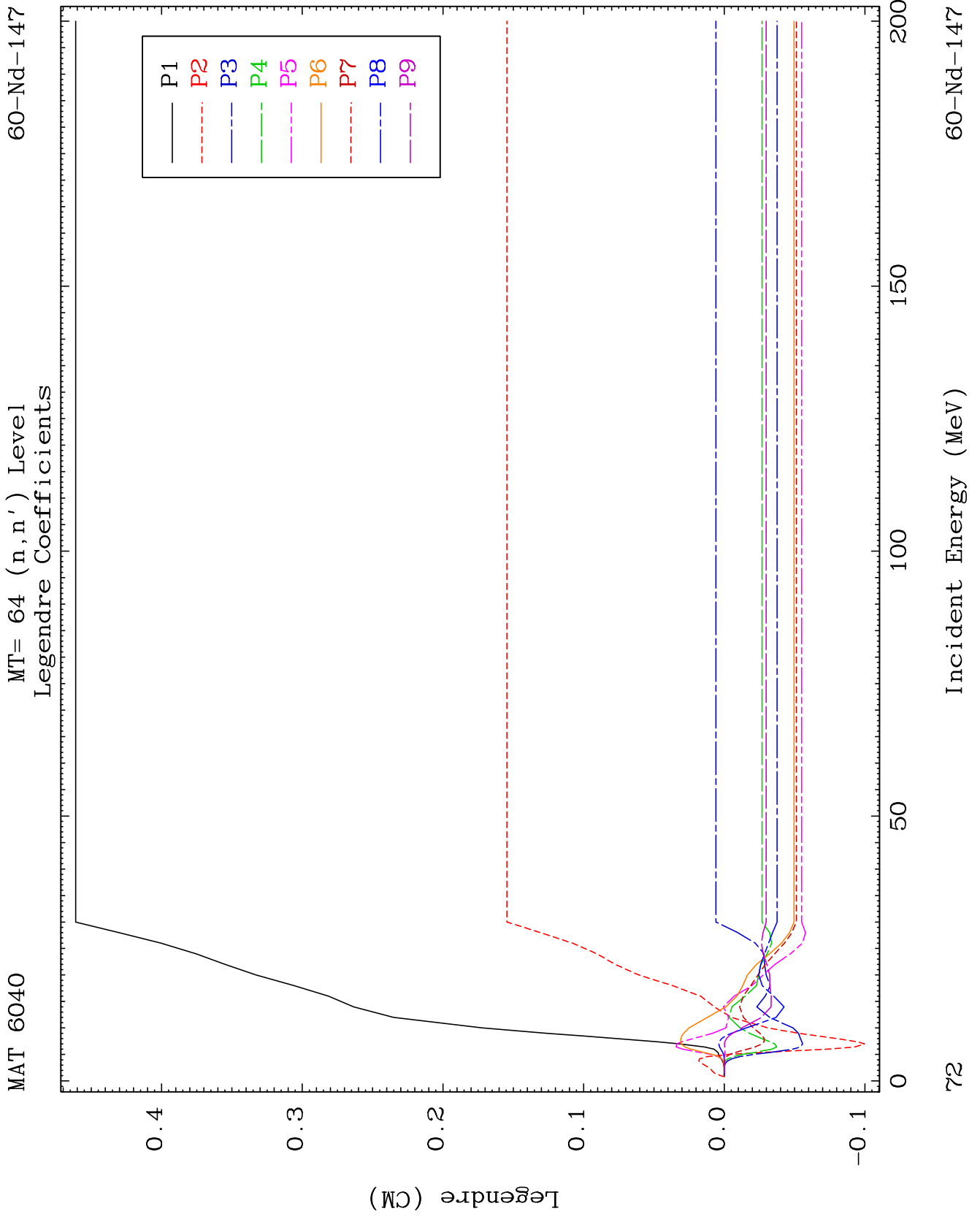


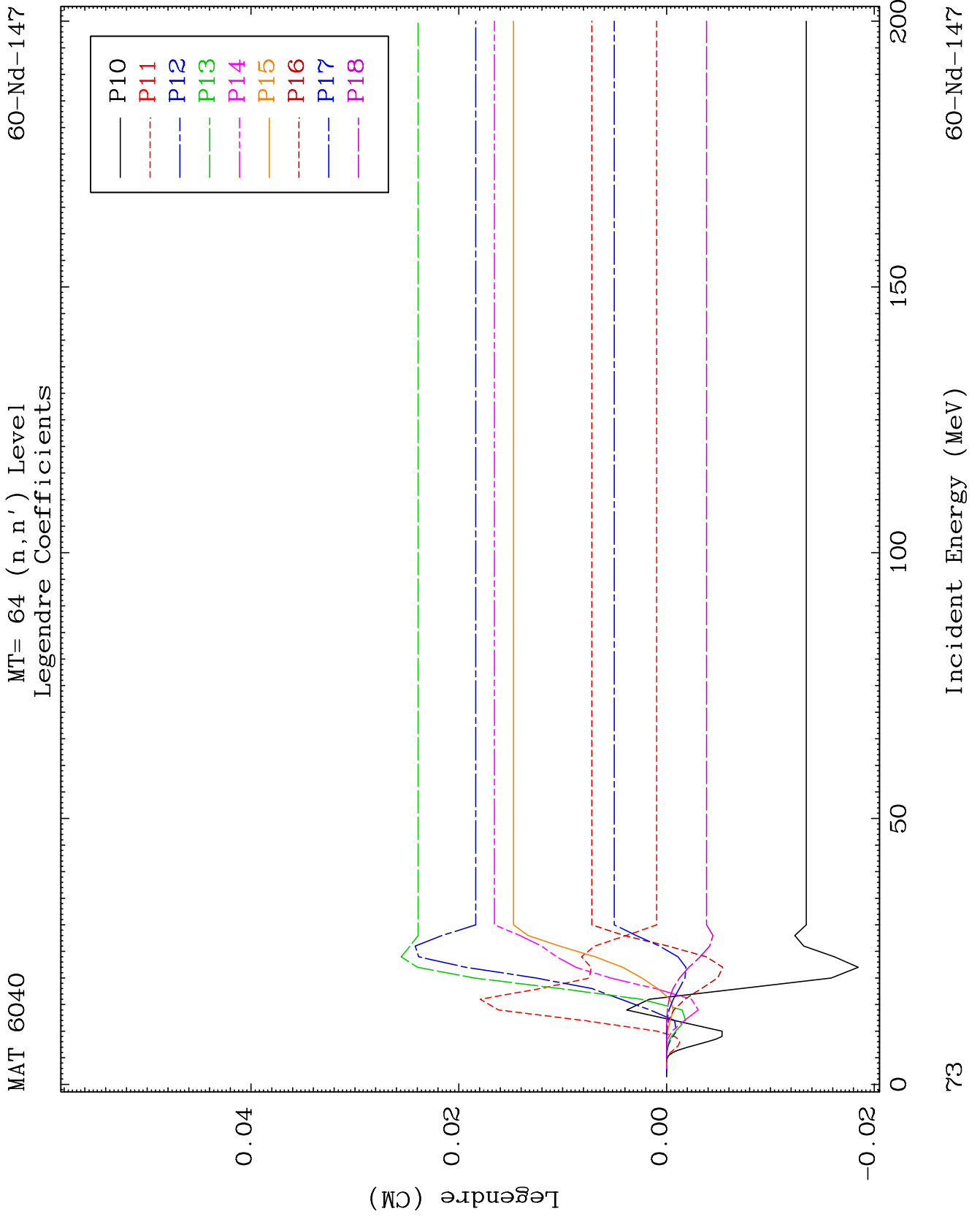




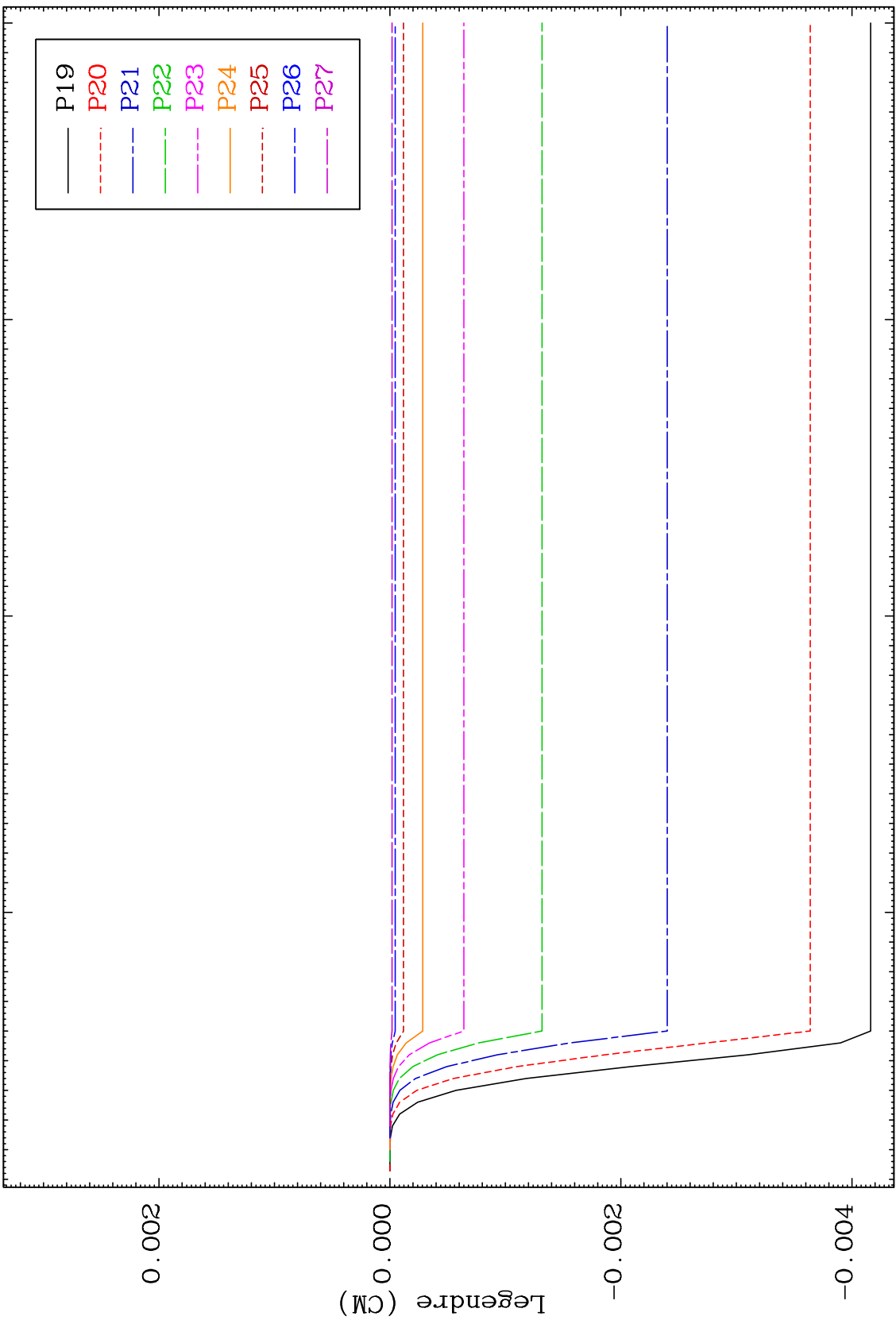




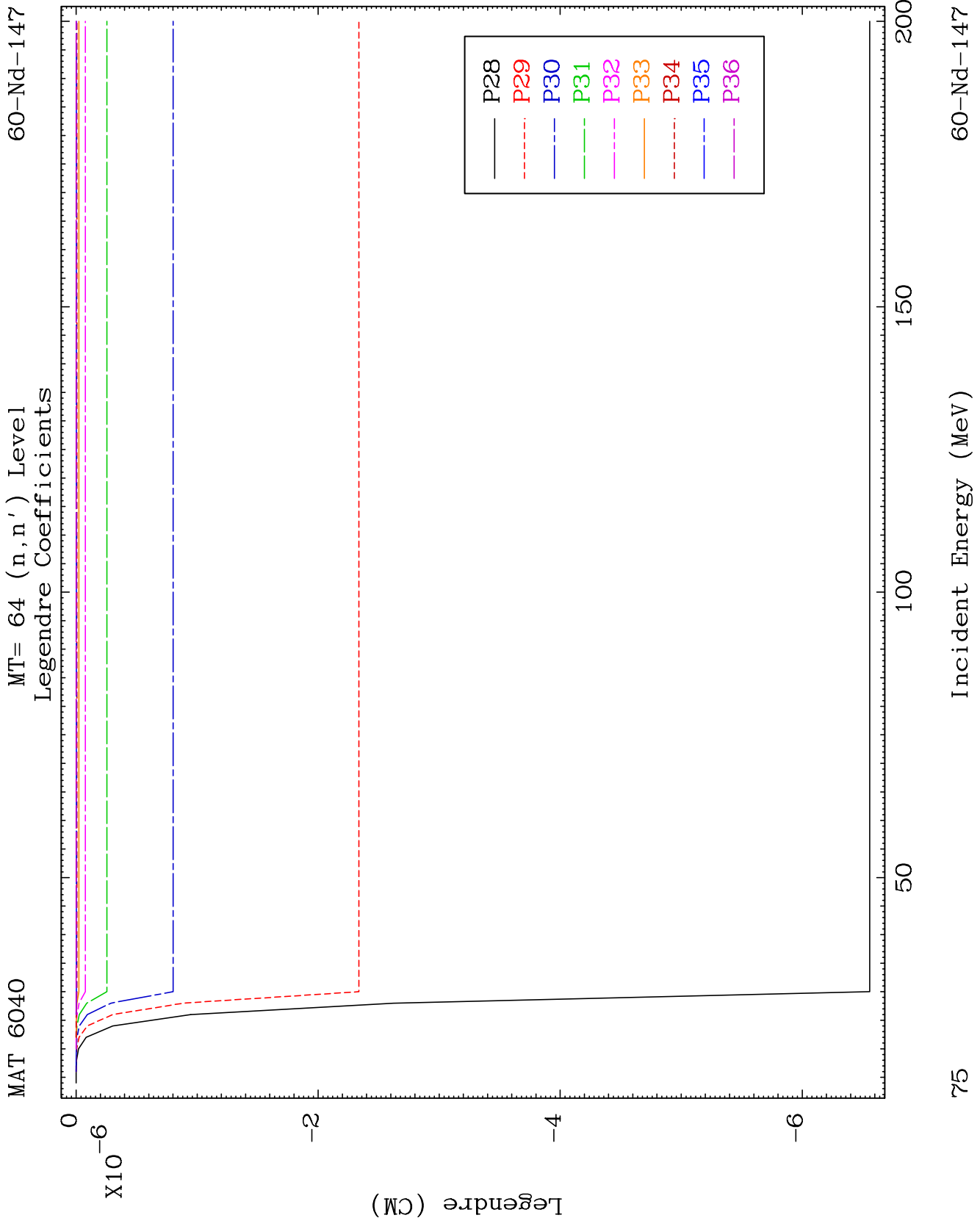




MAT 6040 MT= 64 (n,n') Level Legendre Coefficients 60-Nd-147



74 Incident Energy (MeV) 60-Nd-147



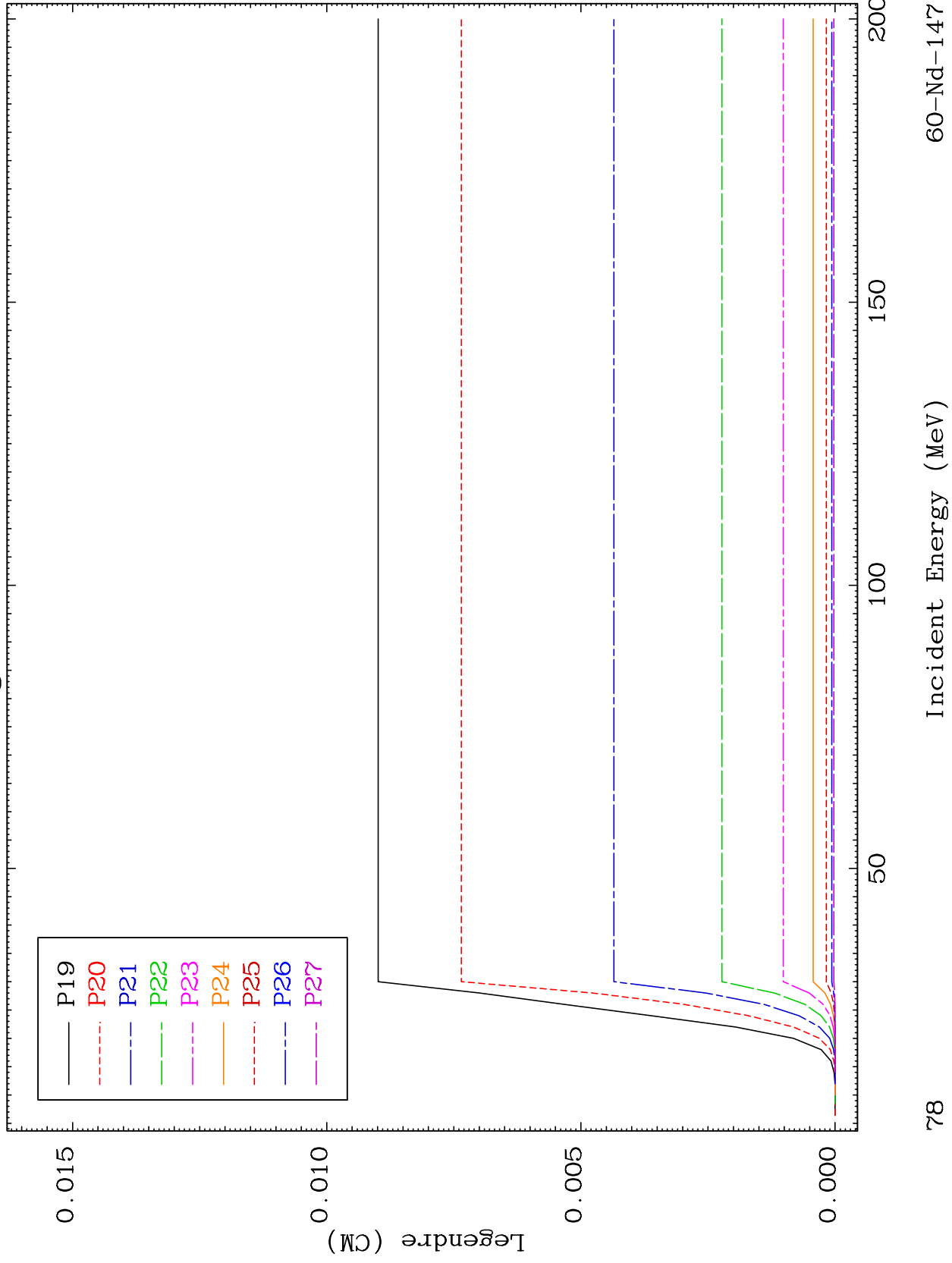




MAT 6040

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

60-Nd-147



78

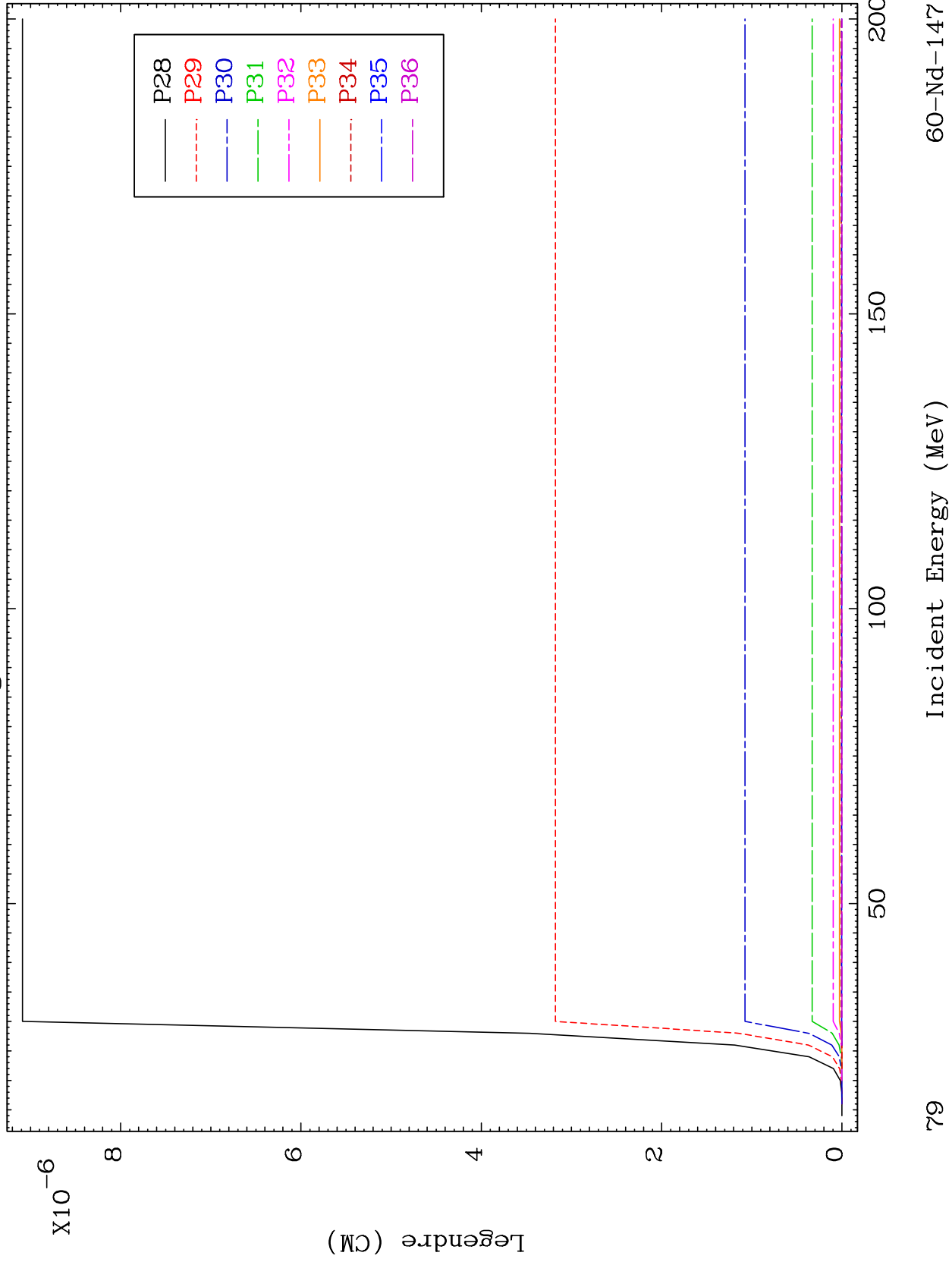
Incident Energy (MeV)

60-Nd-147

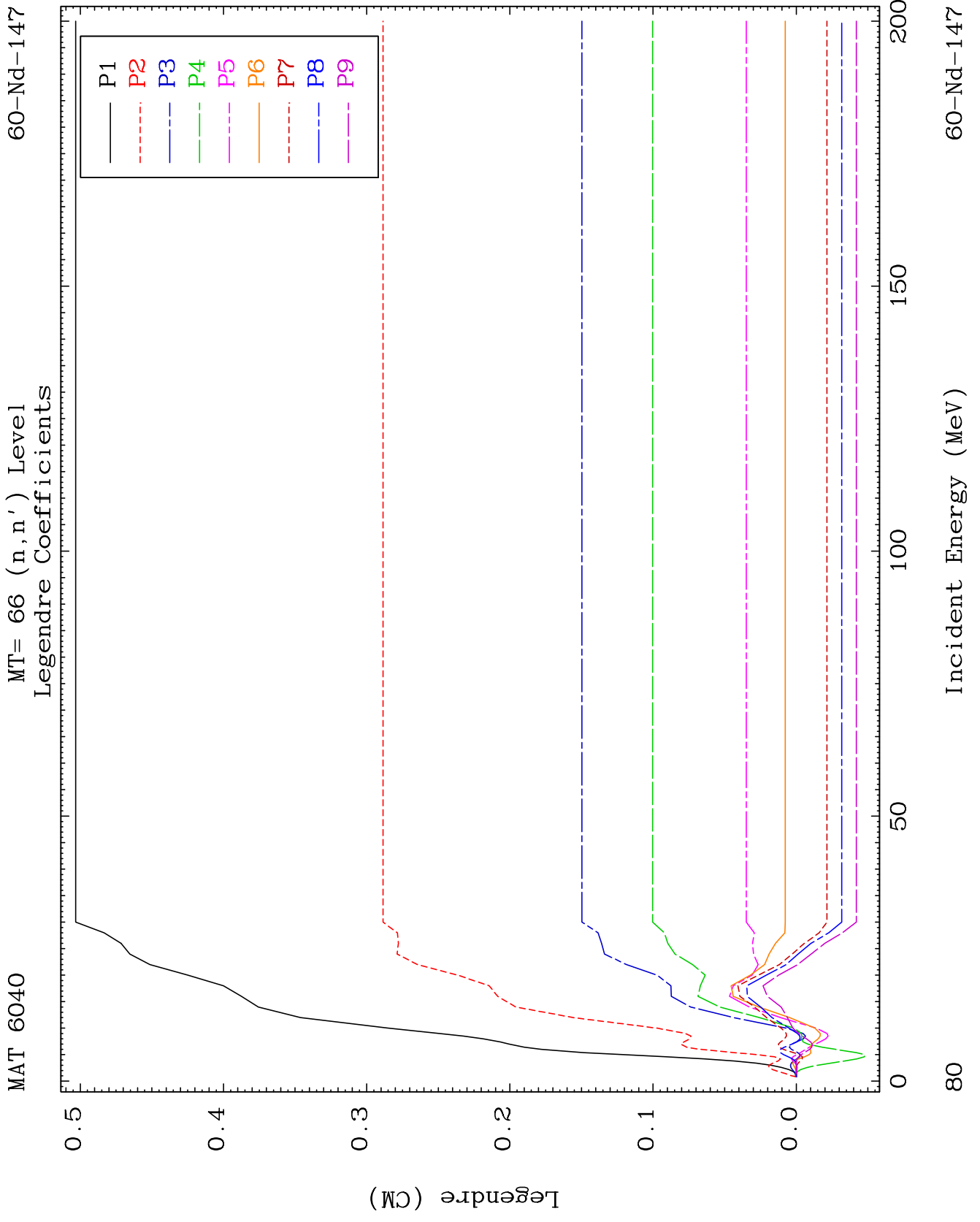
MAT 6040

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

60-Nd-147





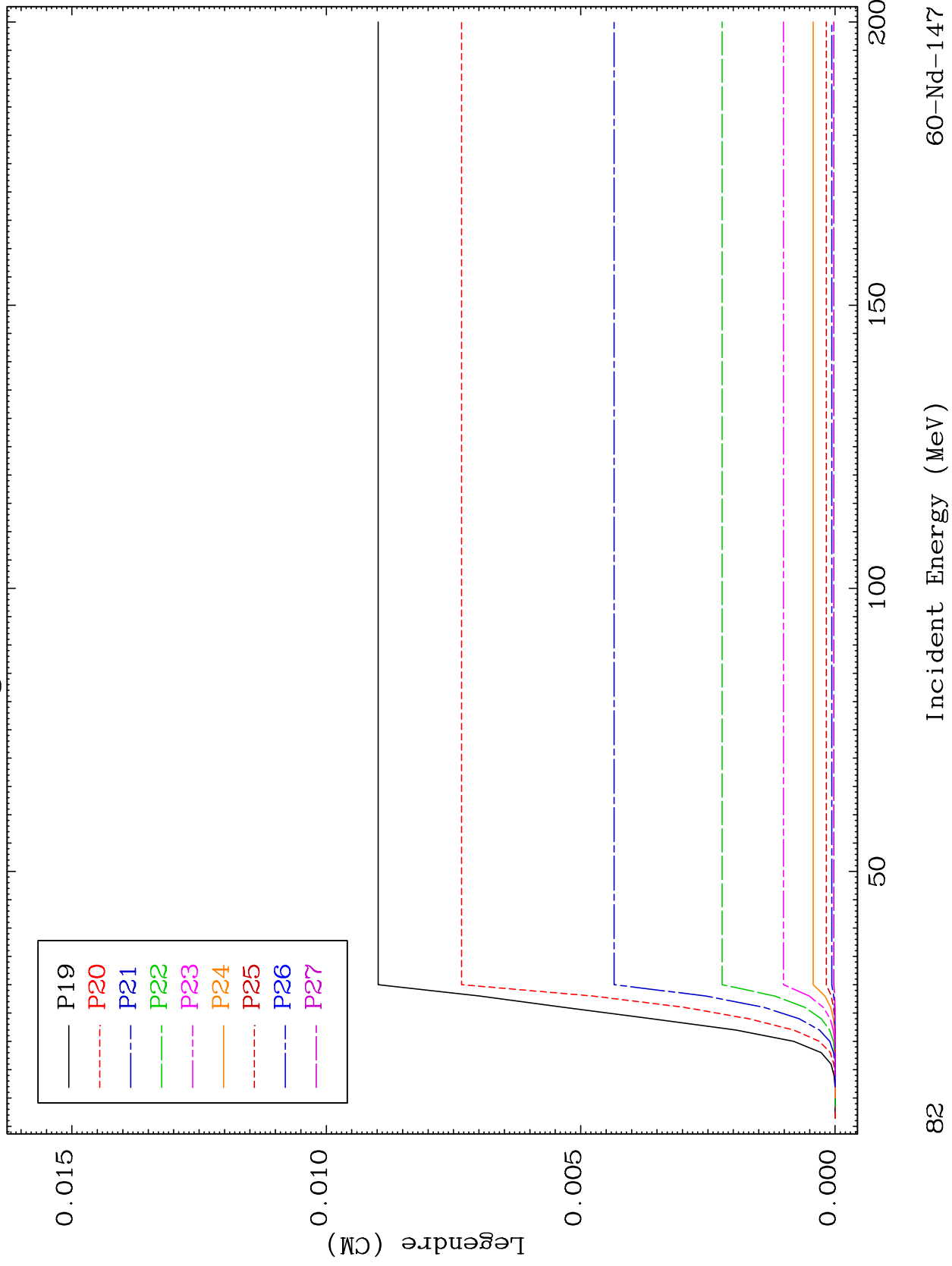




MAT 6040

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

60-Nd-147



82

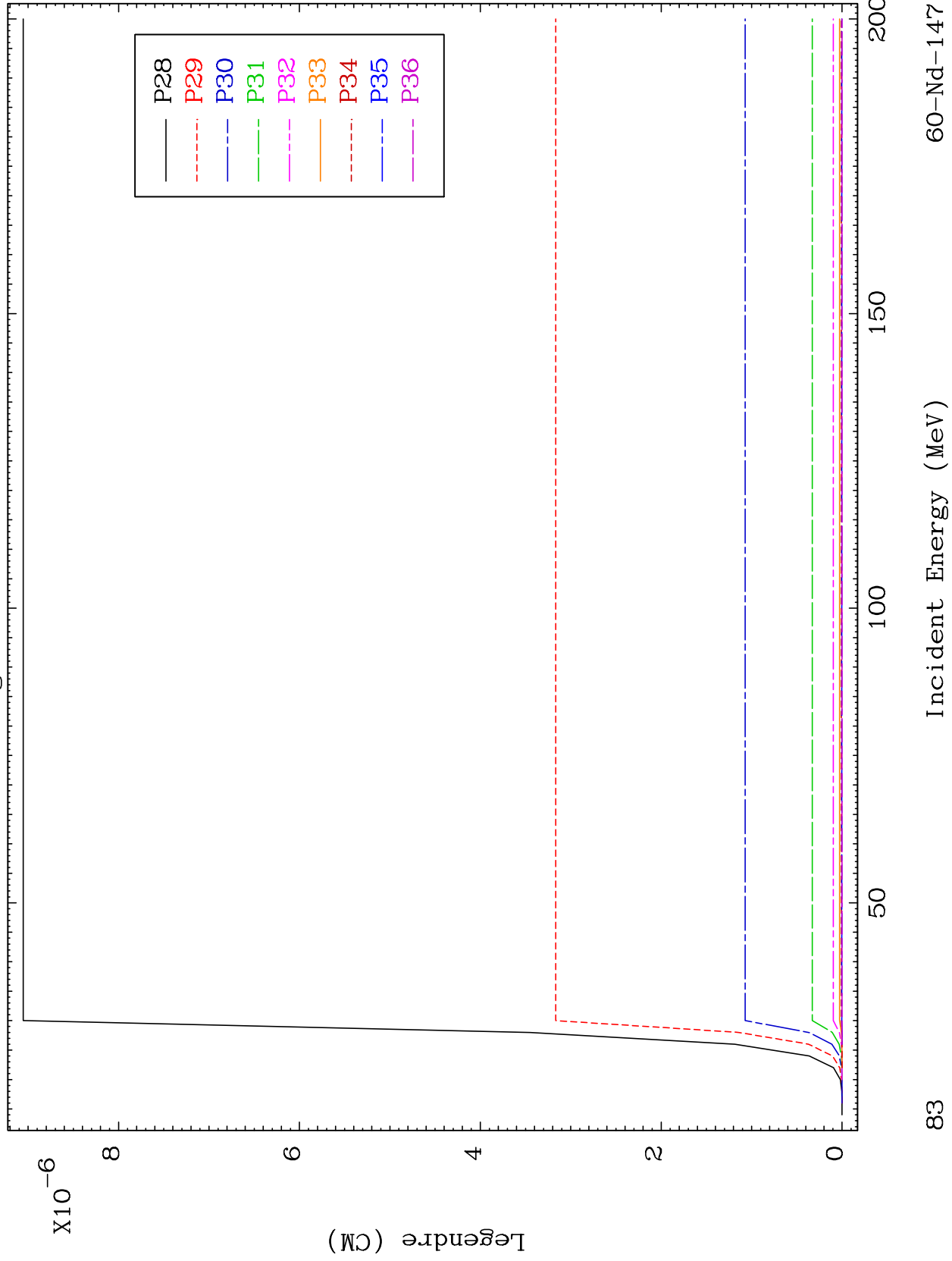
Incident Energy (MeV)

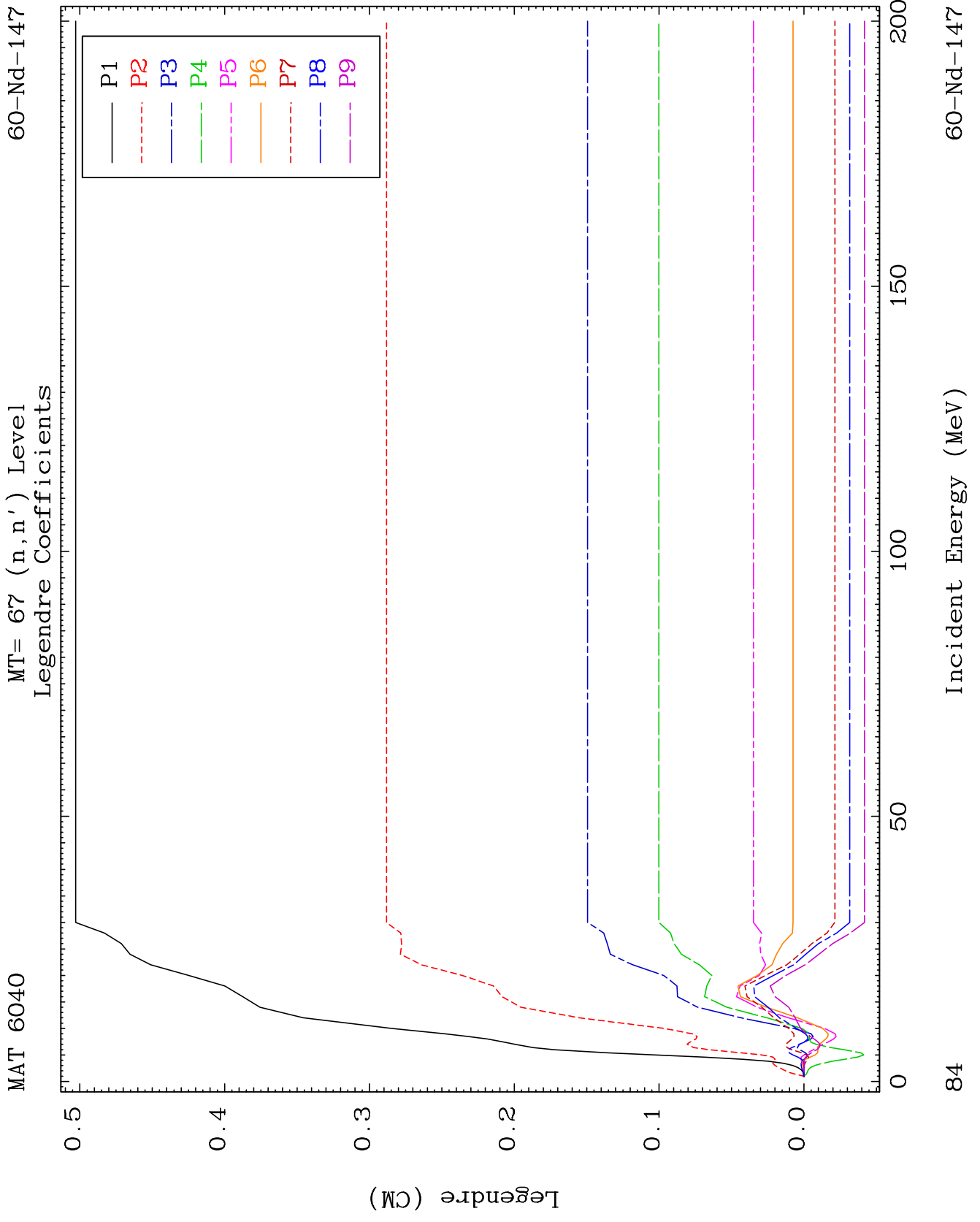
60-Nd-147

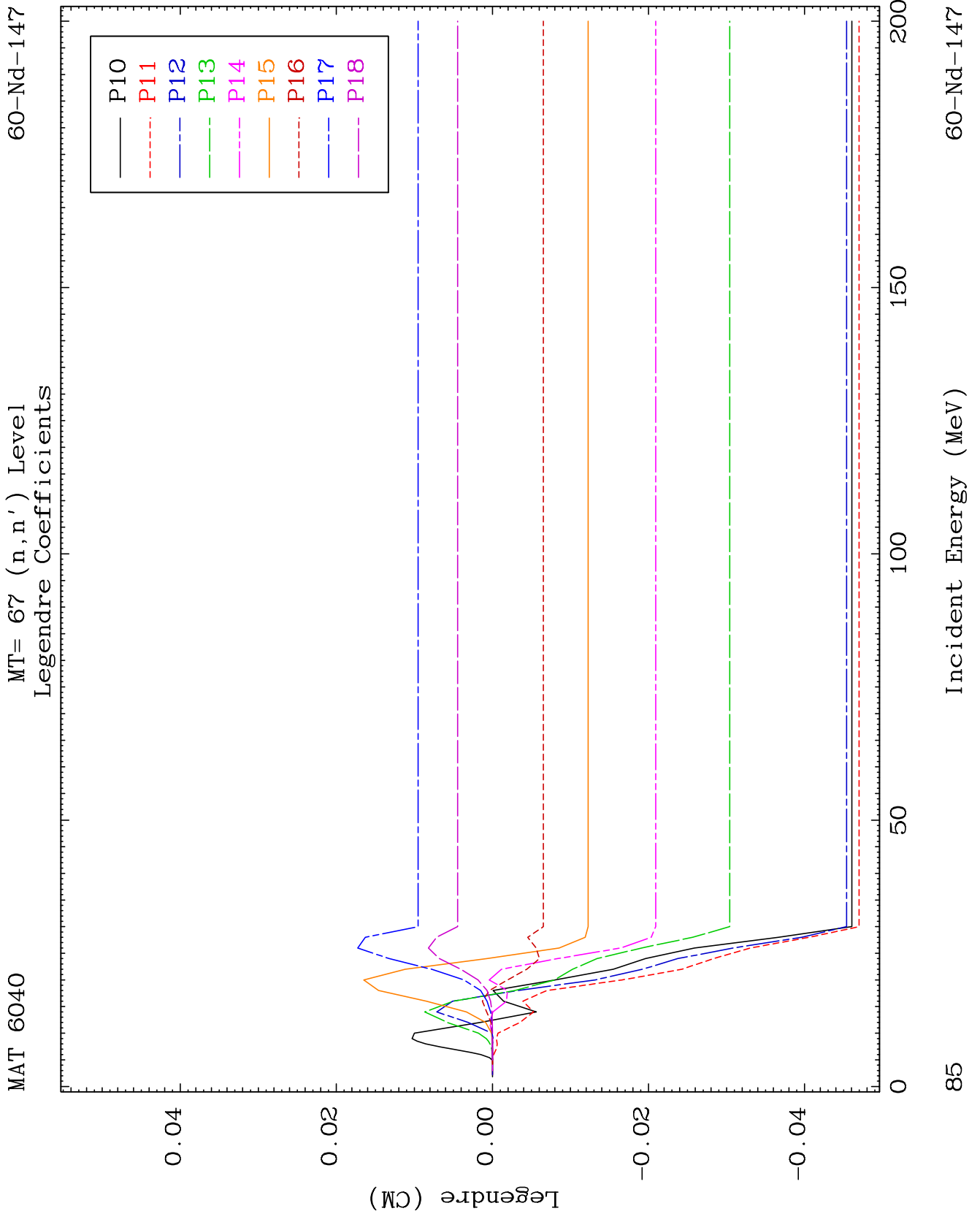
MAT 6040

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

60-Nd-147



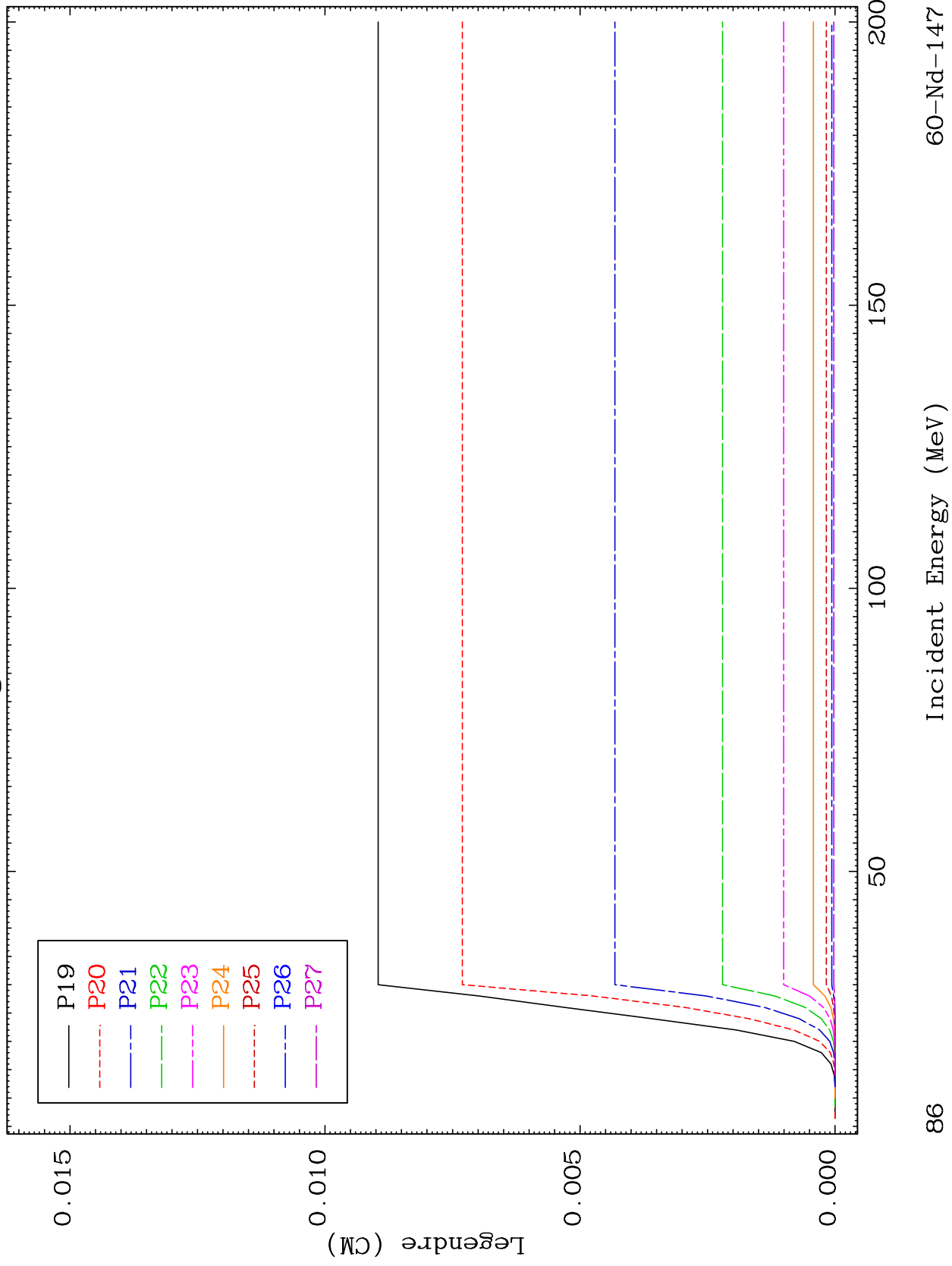




MAT 6040

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

60-Nd-147



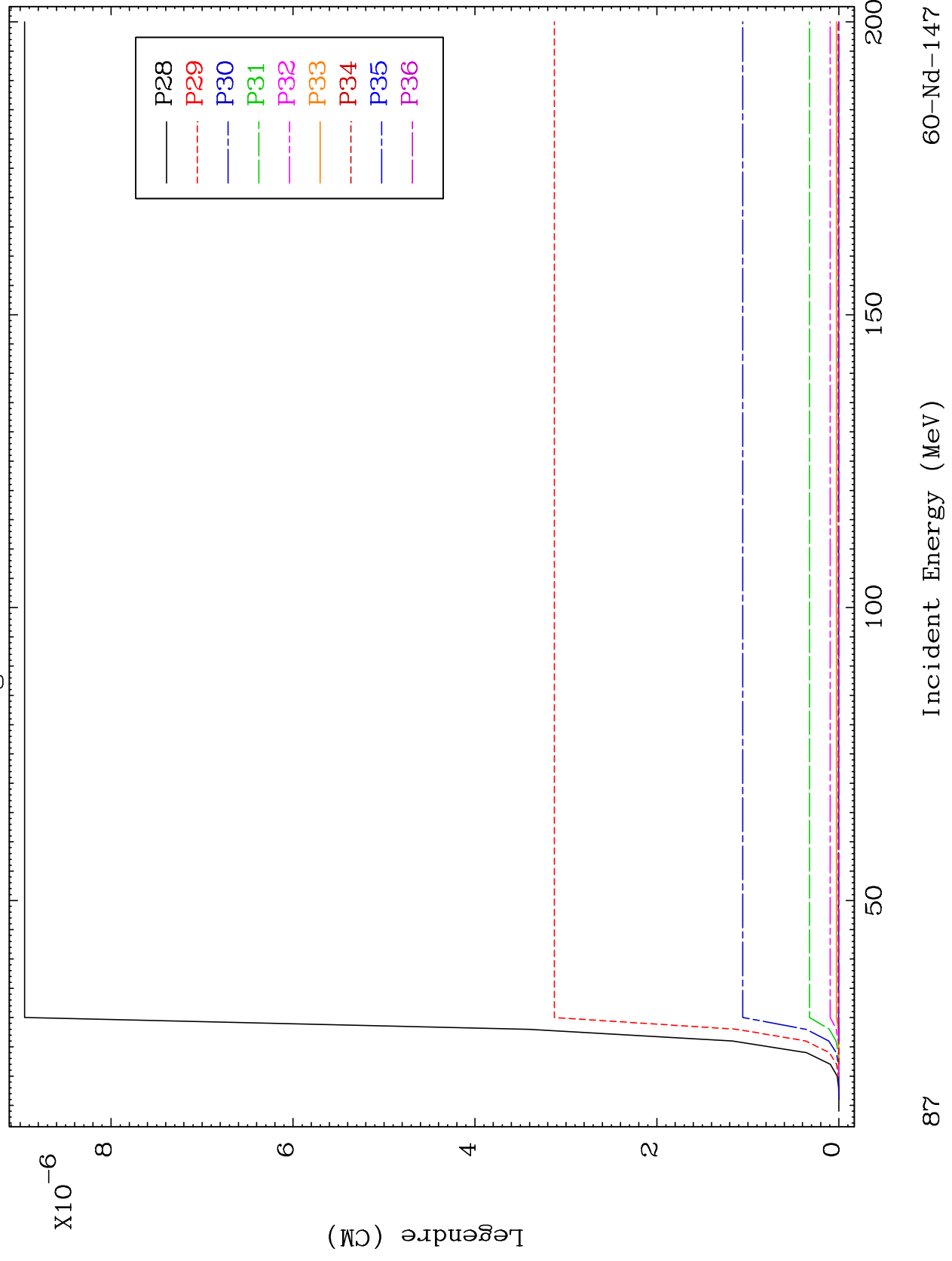
86

60-Nd-147

MAT 6040

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

60-Nd-147

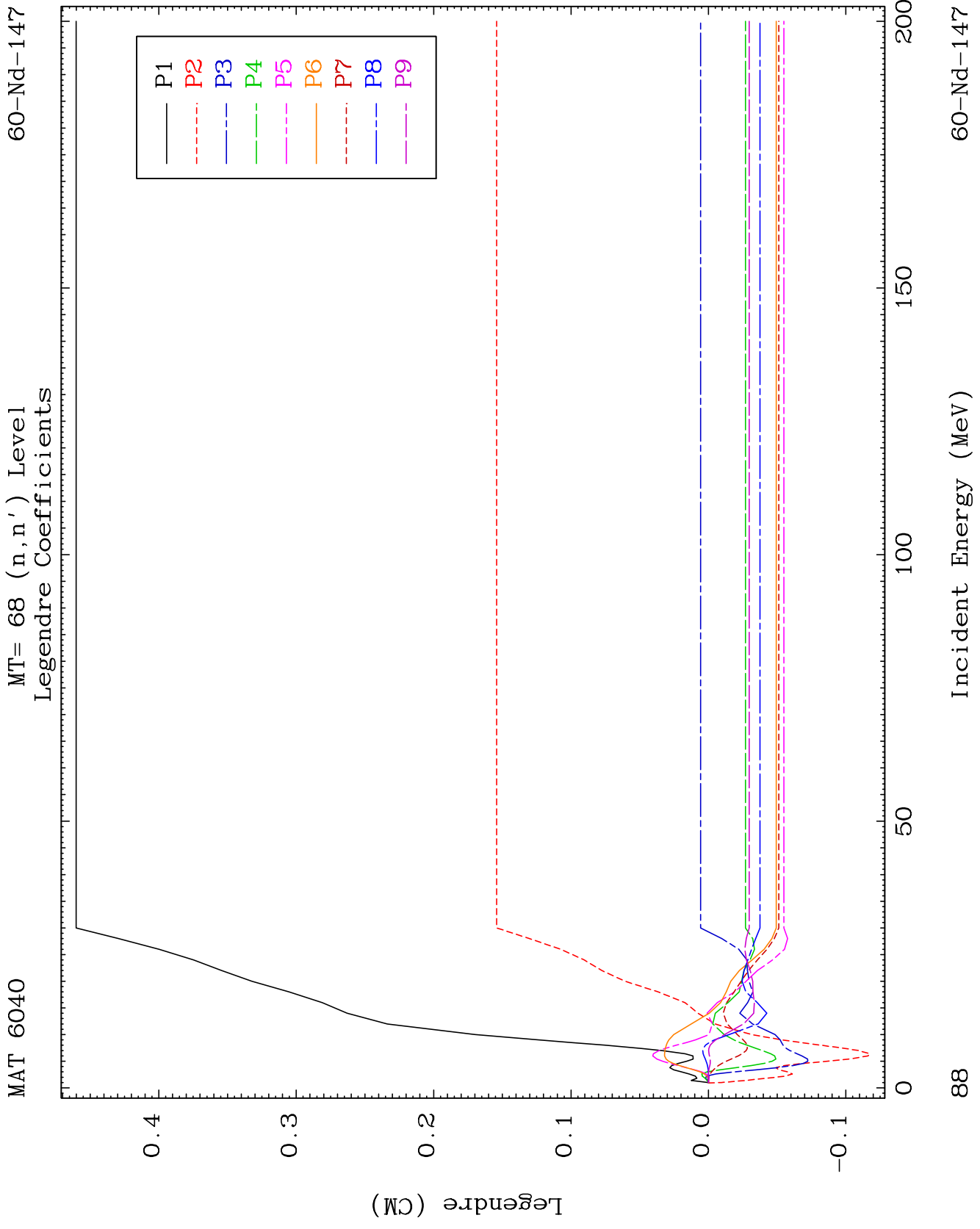


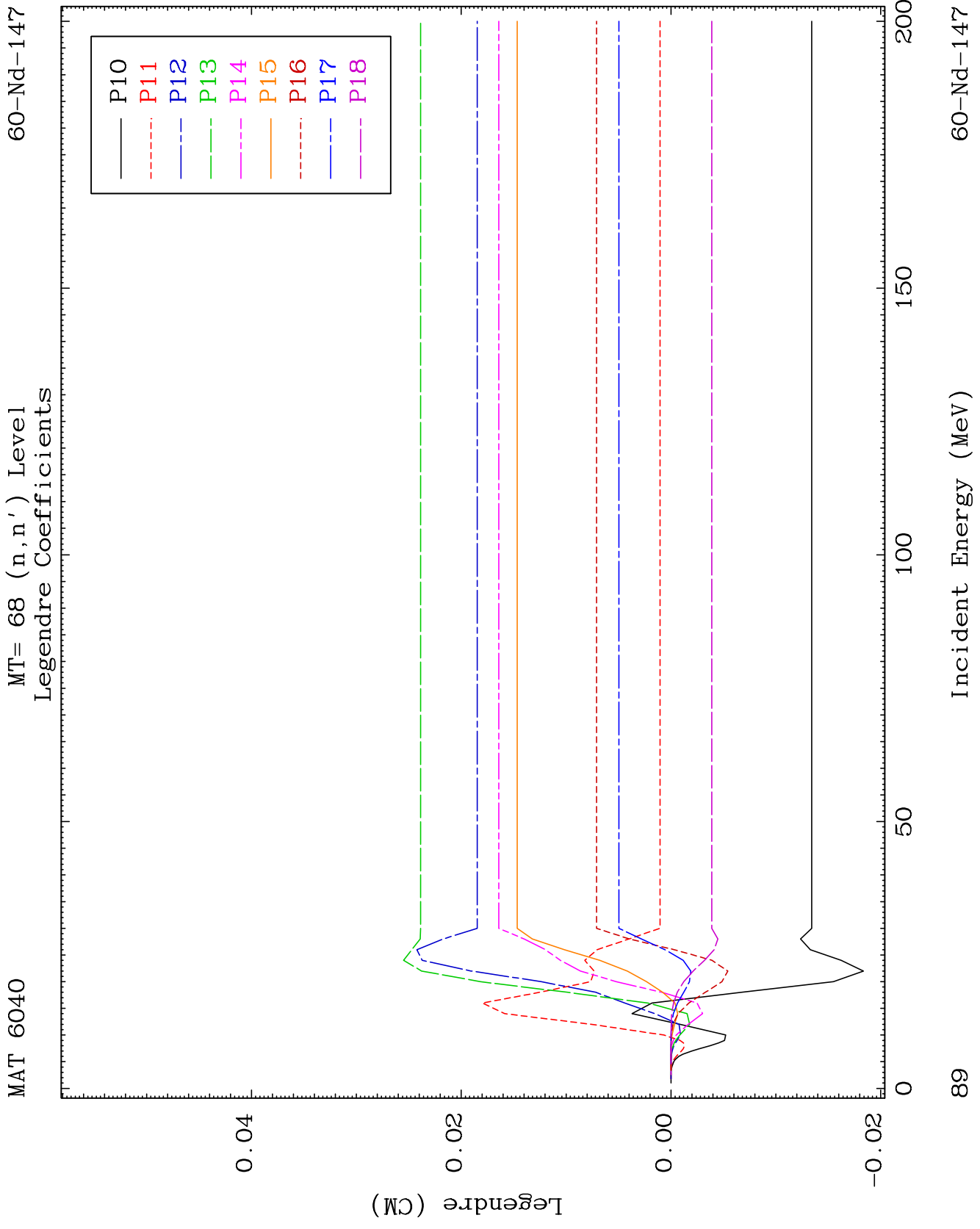
87

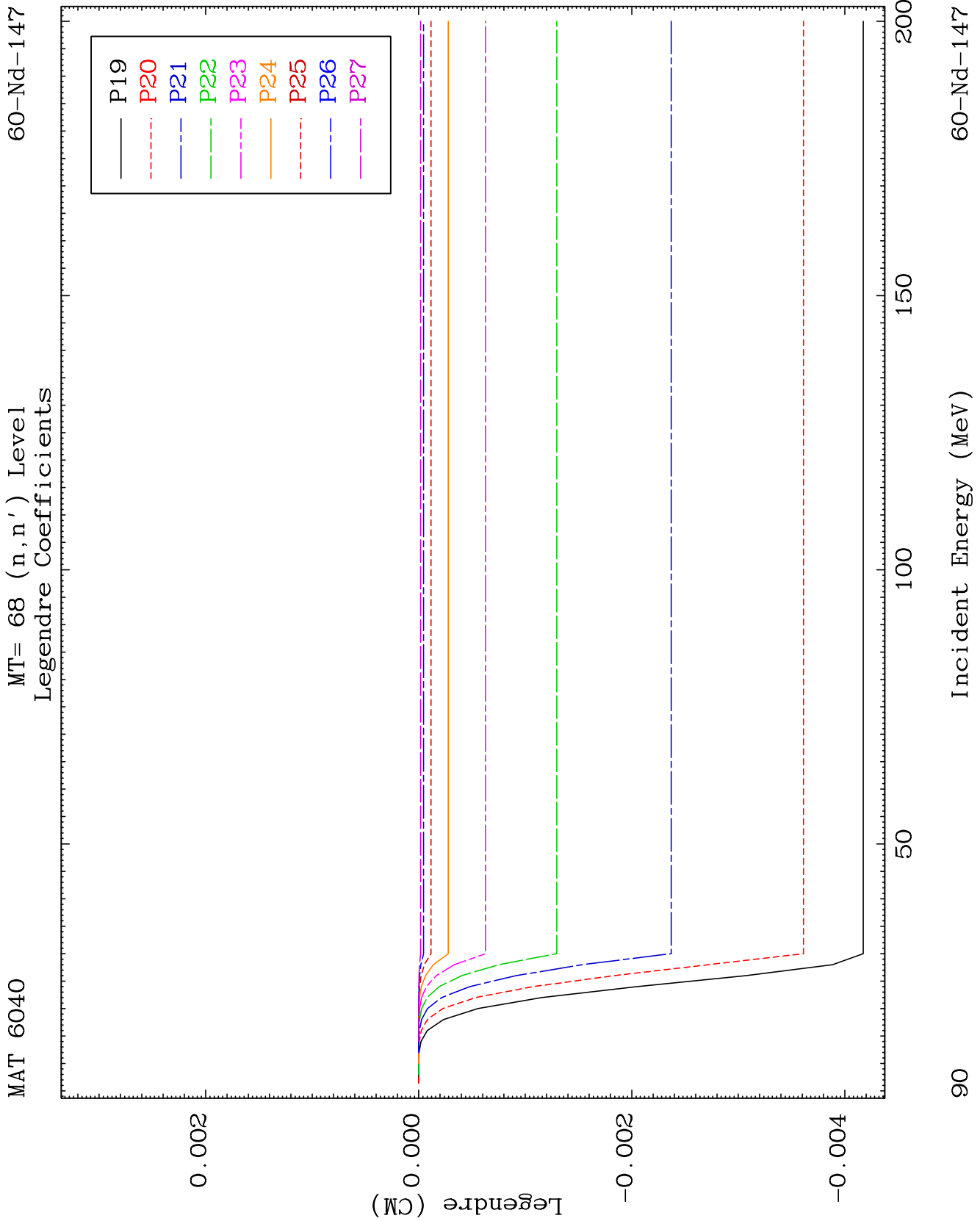
Incident Energy (MeV)

60-Nd-147

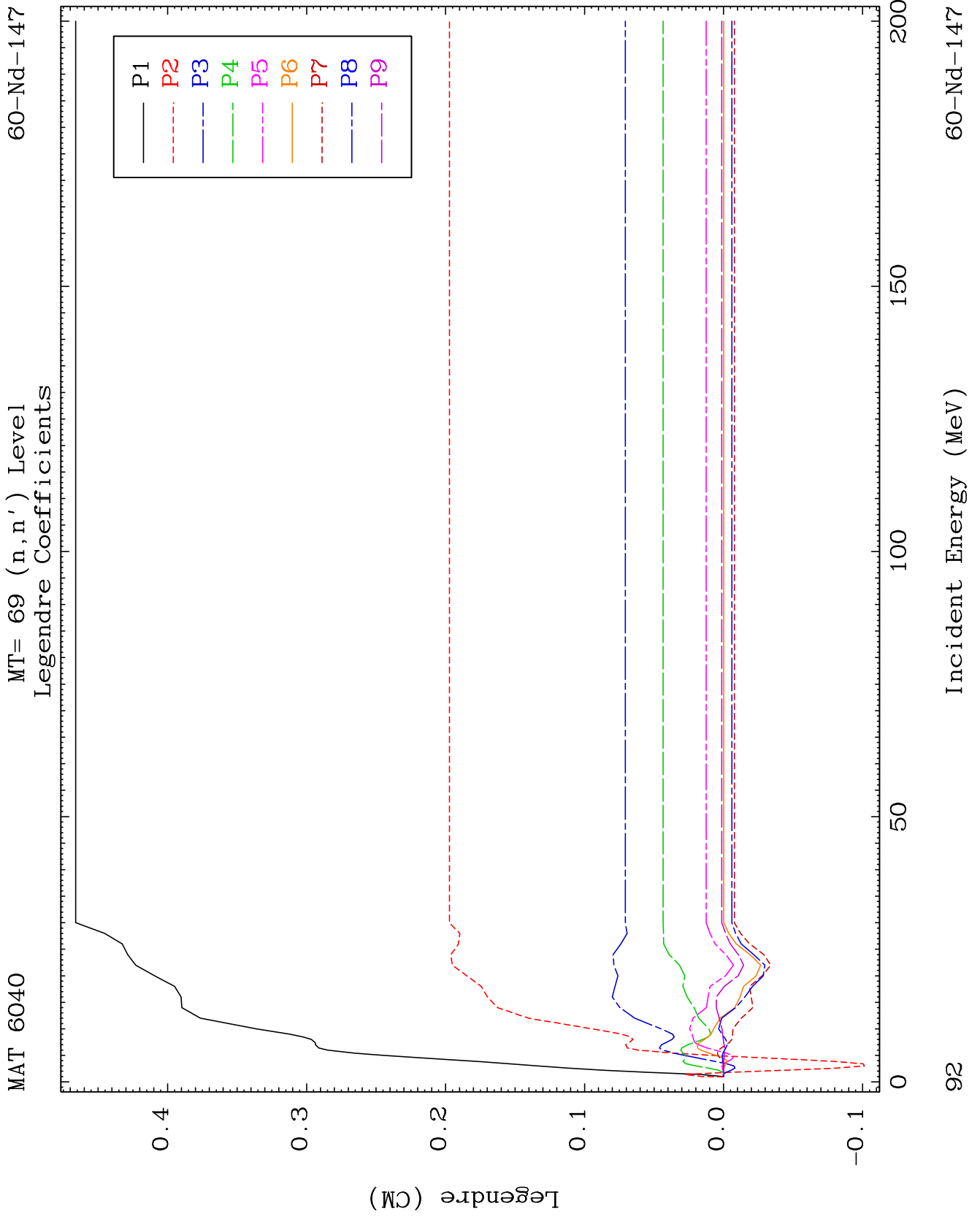




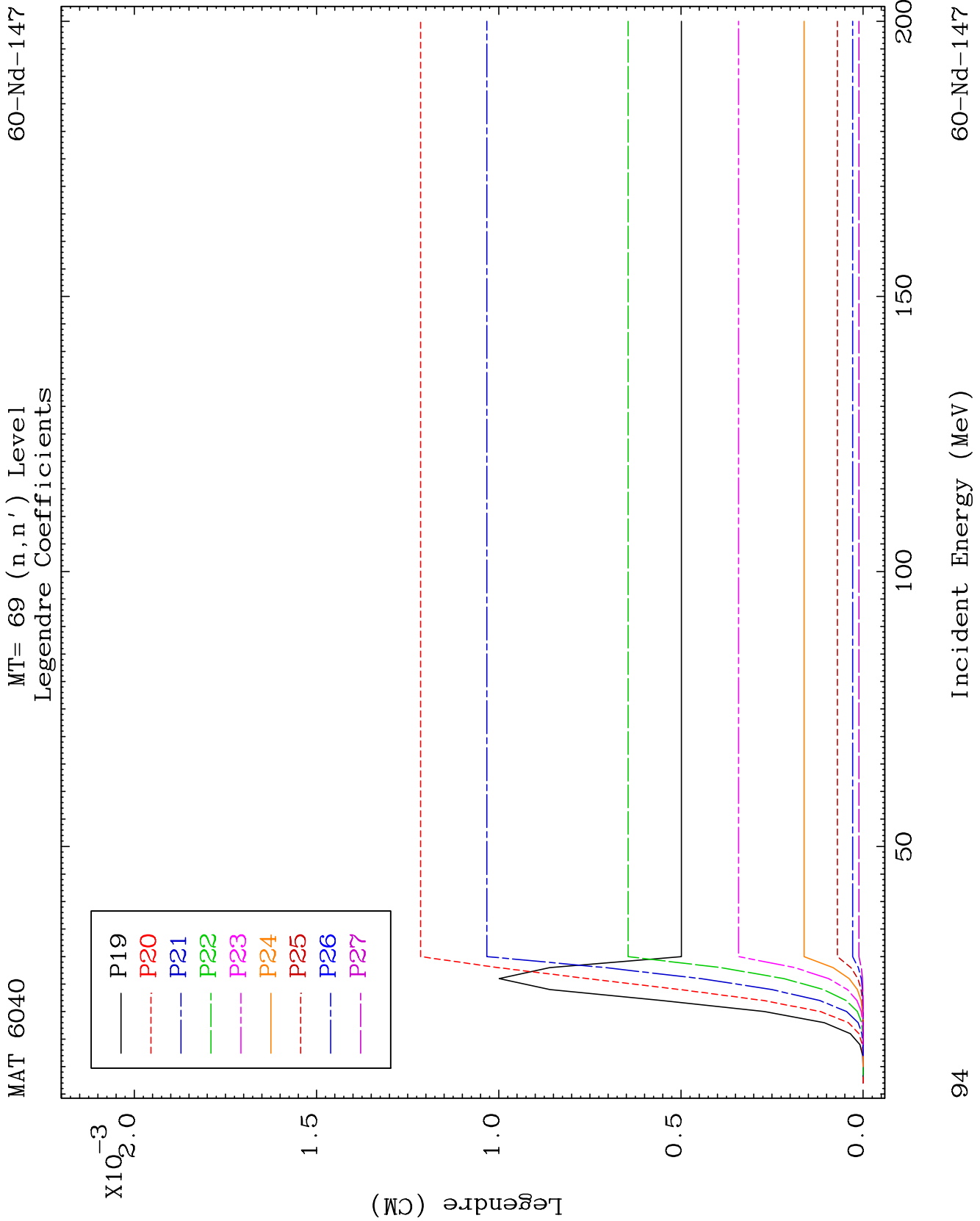








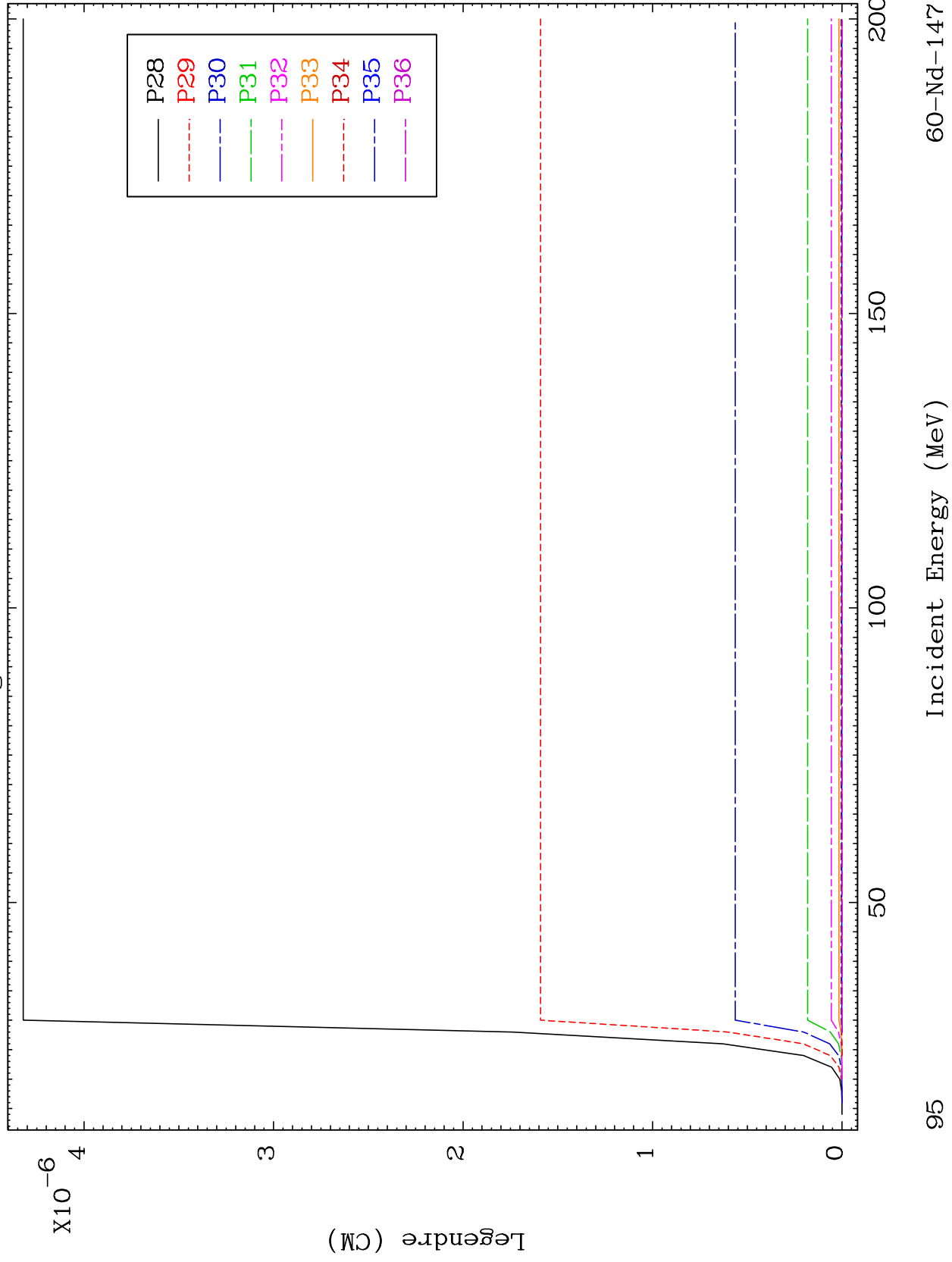




MAT 6040

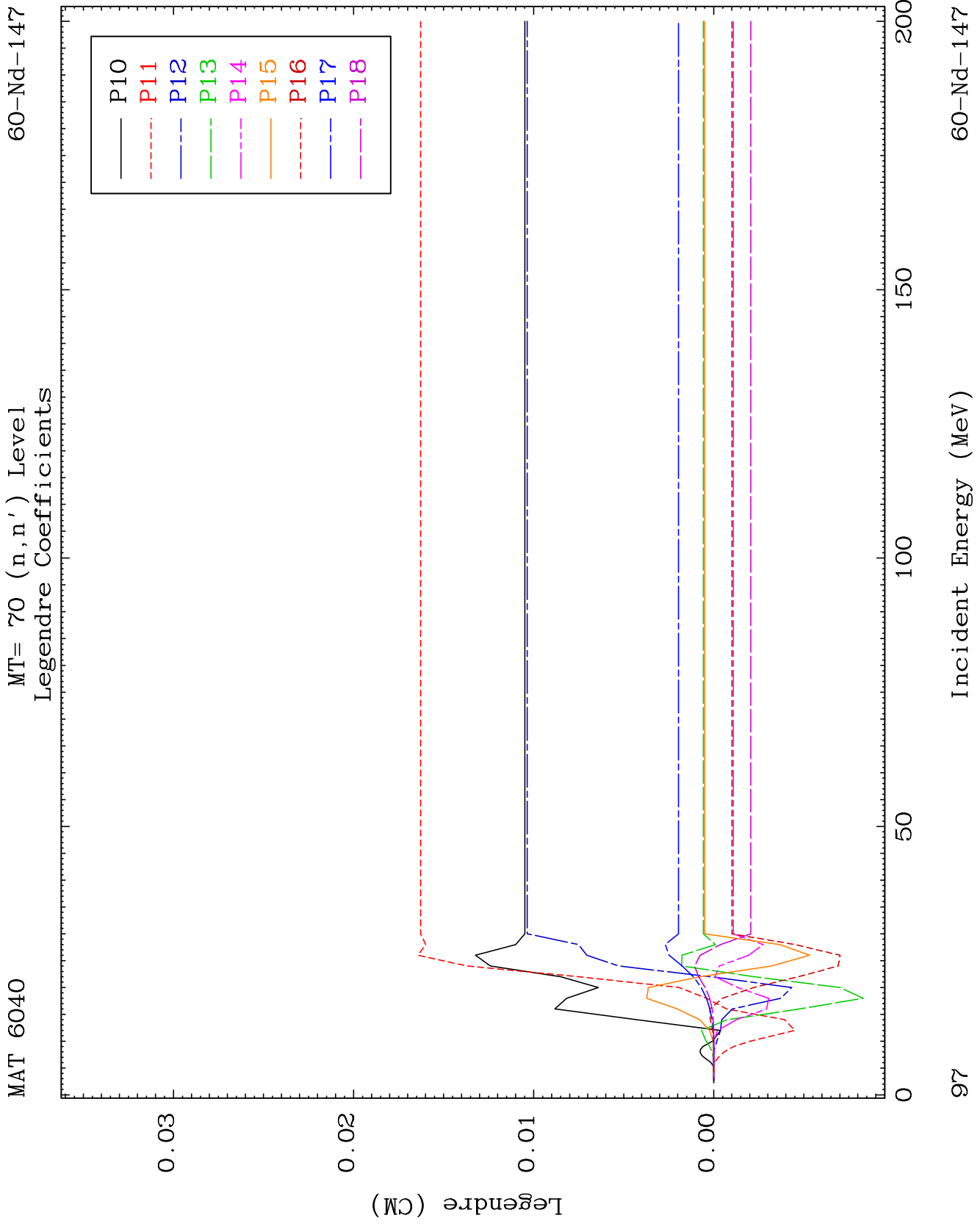
MT= 69 (n,n') Level  
Legendre Coefficients

60-Nd-147





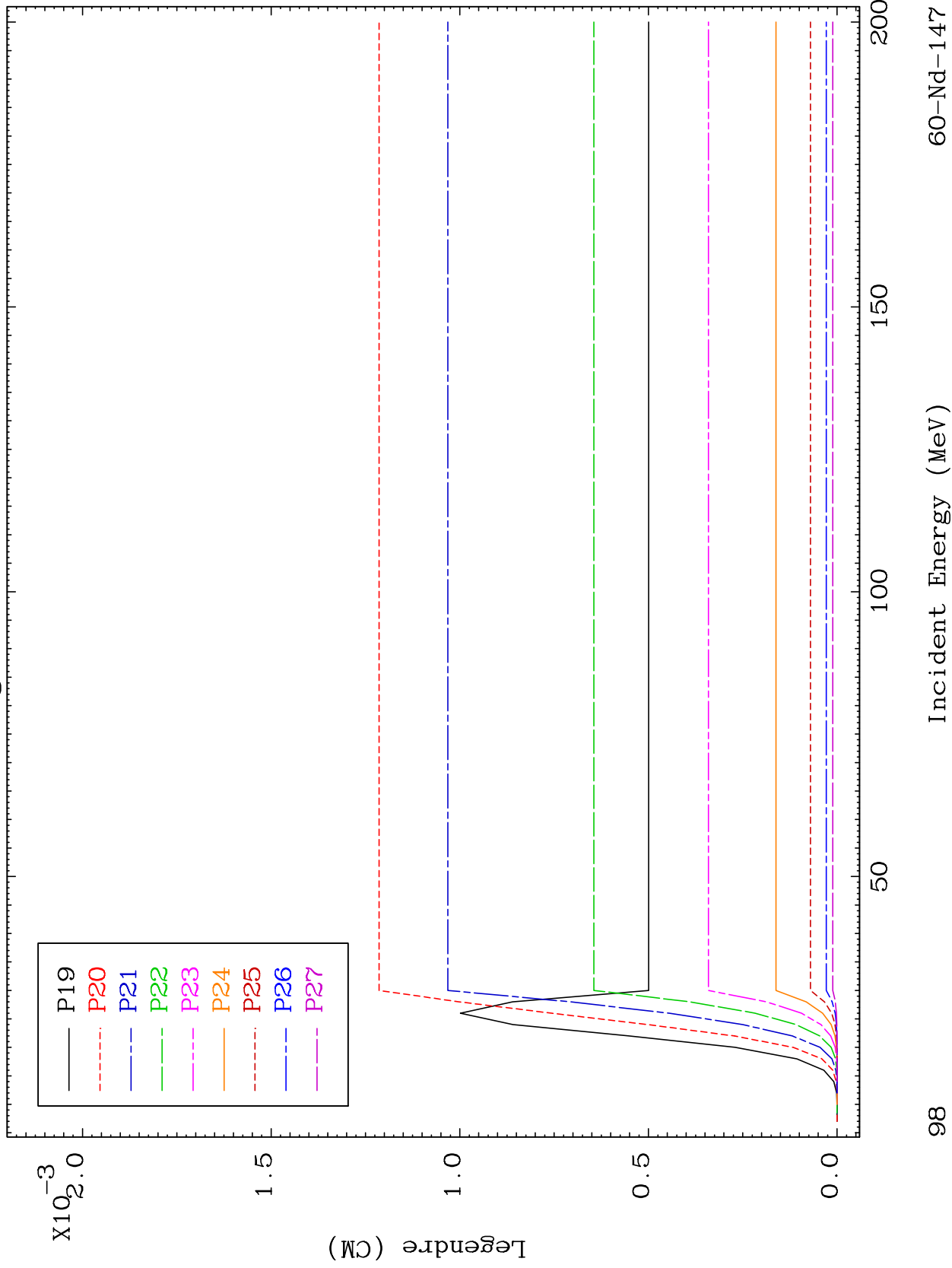




MAT 6040

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

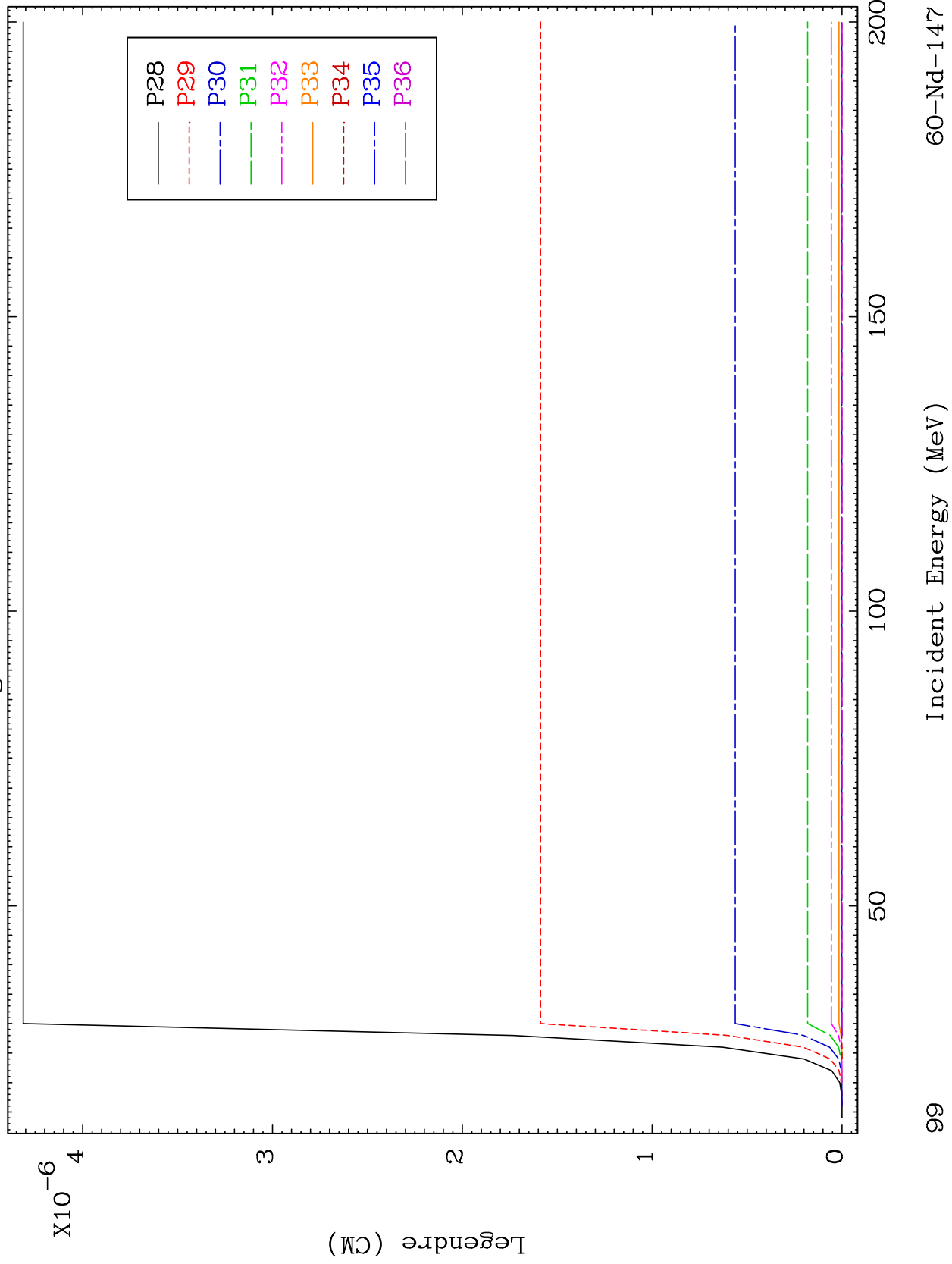
60-Nd-147



MAT 6040

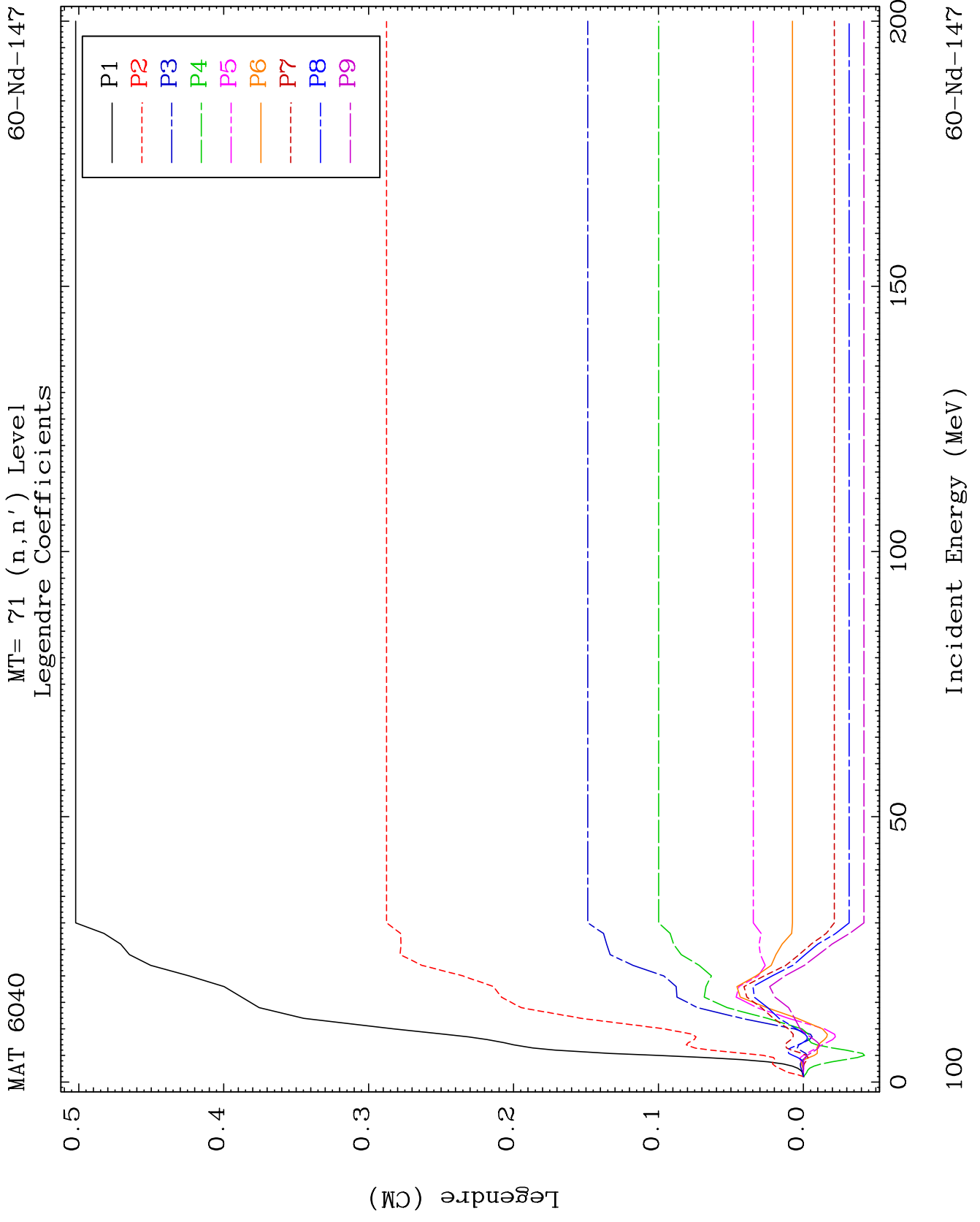
MT= 70 (n,n') Level  
Legendre Coefficients

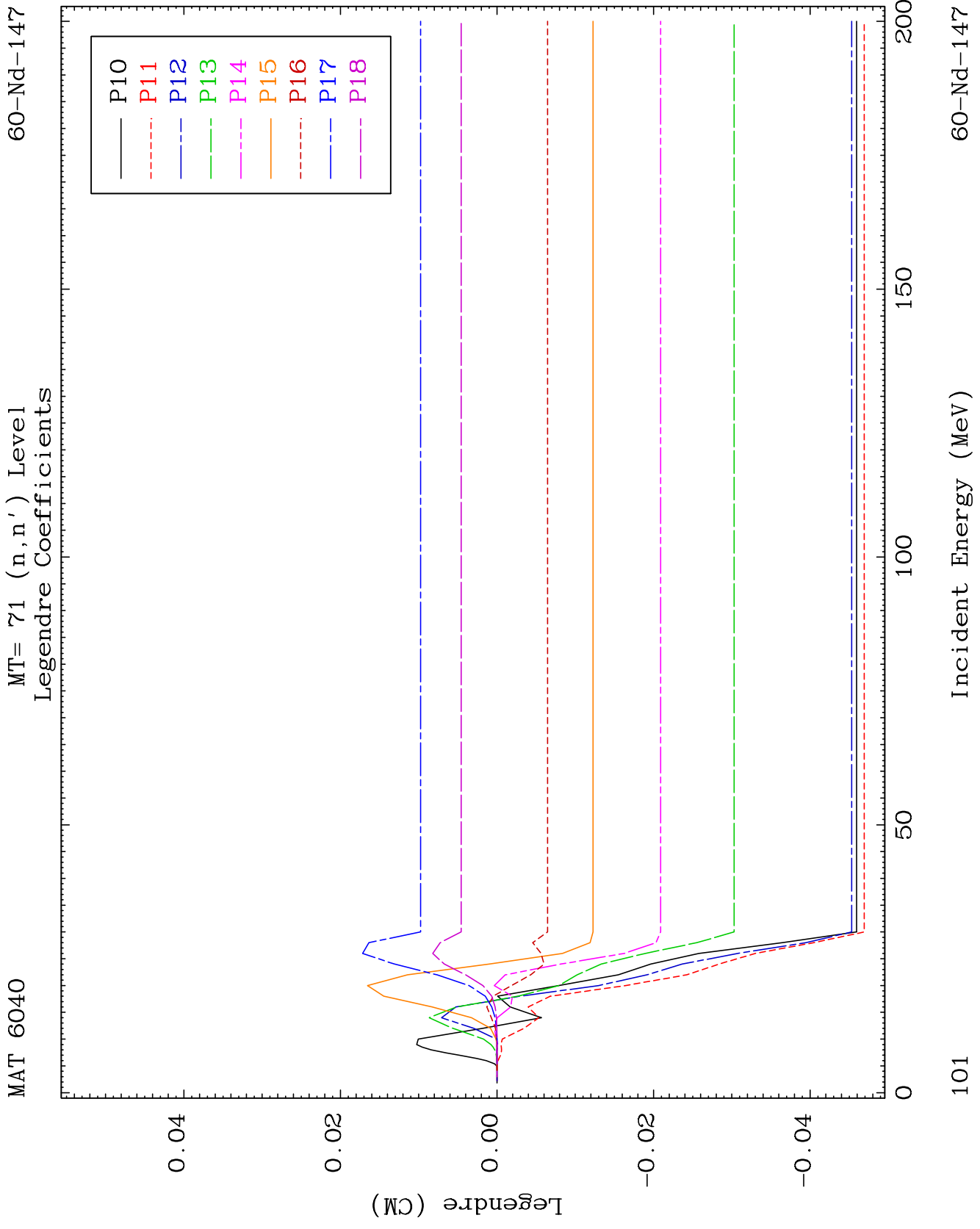
60-Nd-147



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60-Nd-147

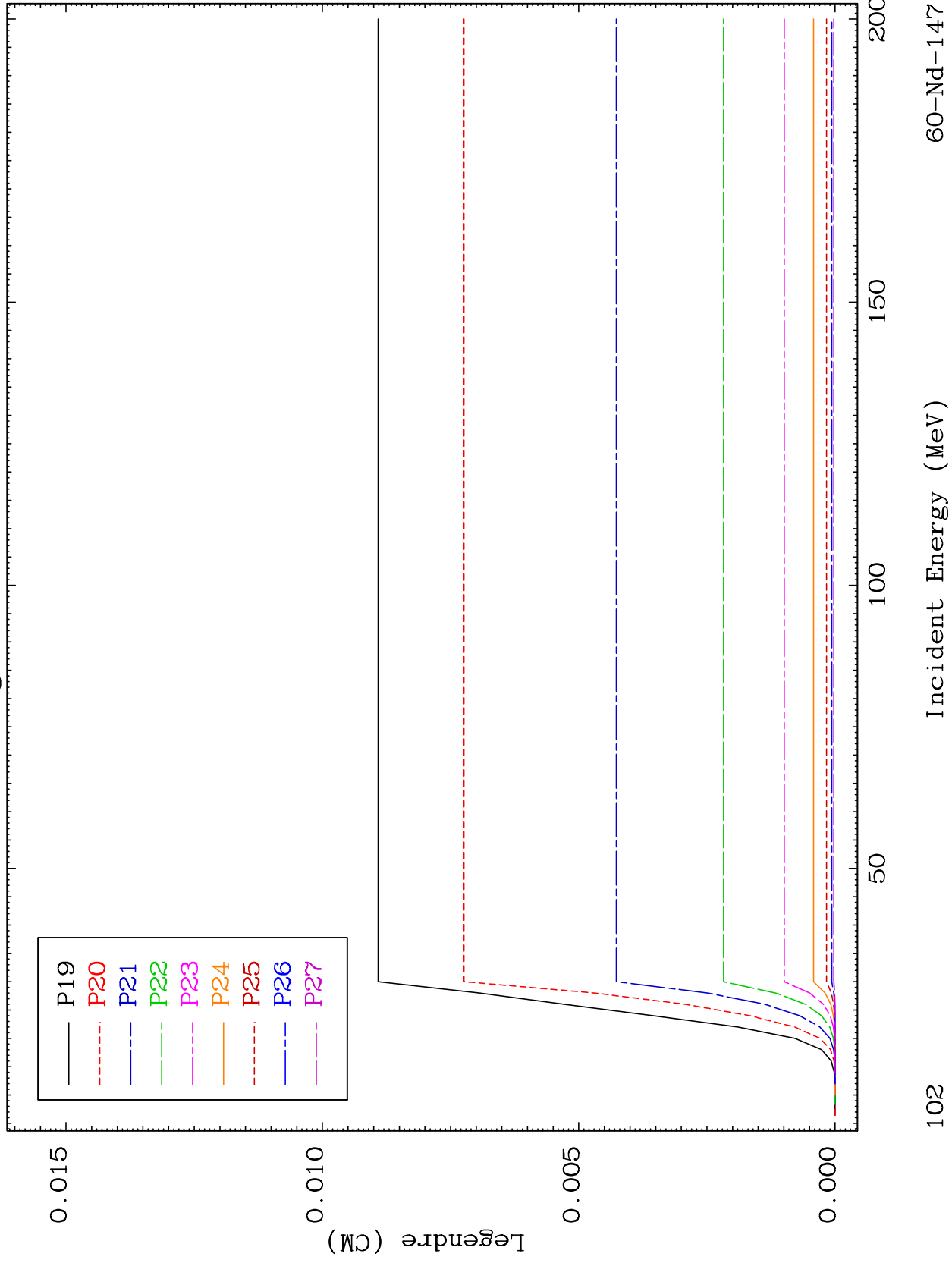




MAT 6040

MT= 71 (n,n') Level  
Legendre Coefficients

60-Nd-147



102

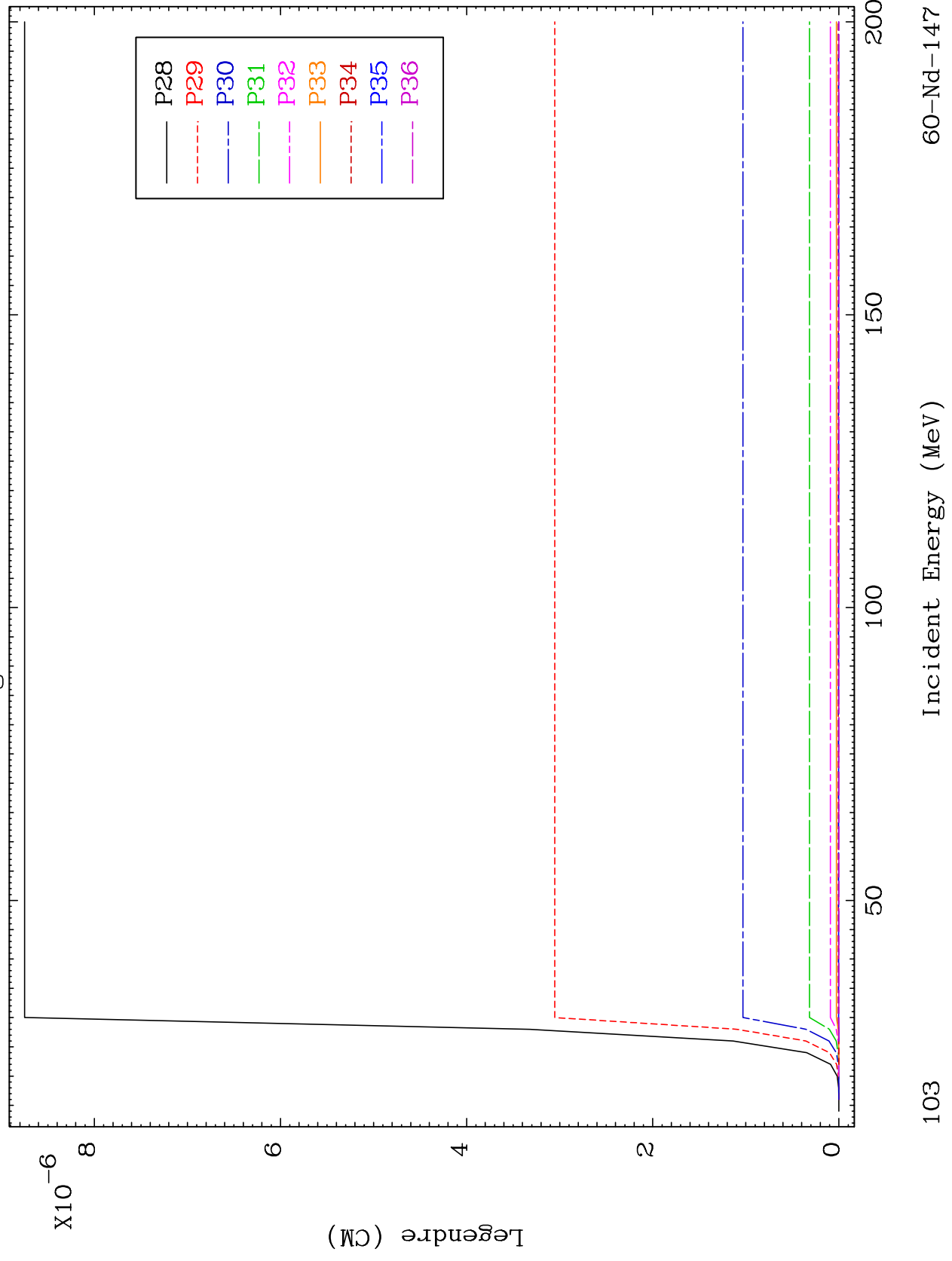
Incident Energy (MeV)

60-Nd-147

MAT 6040

MT= 71 (n,n') Level  
Legendre Coefficients

60-Nd-147

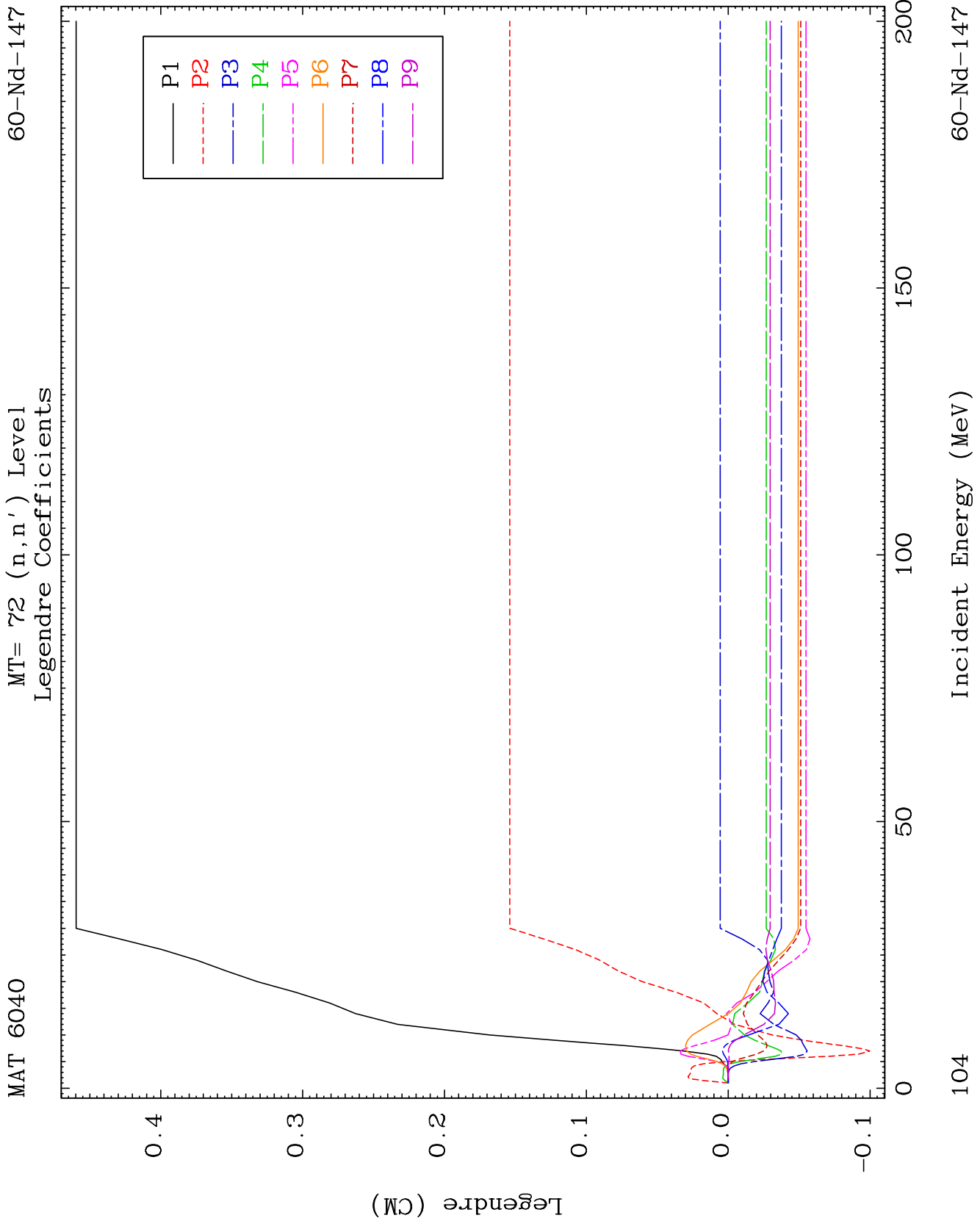


60-Nd-147

Incident Energy (MeV)

103

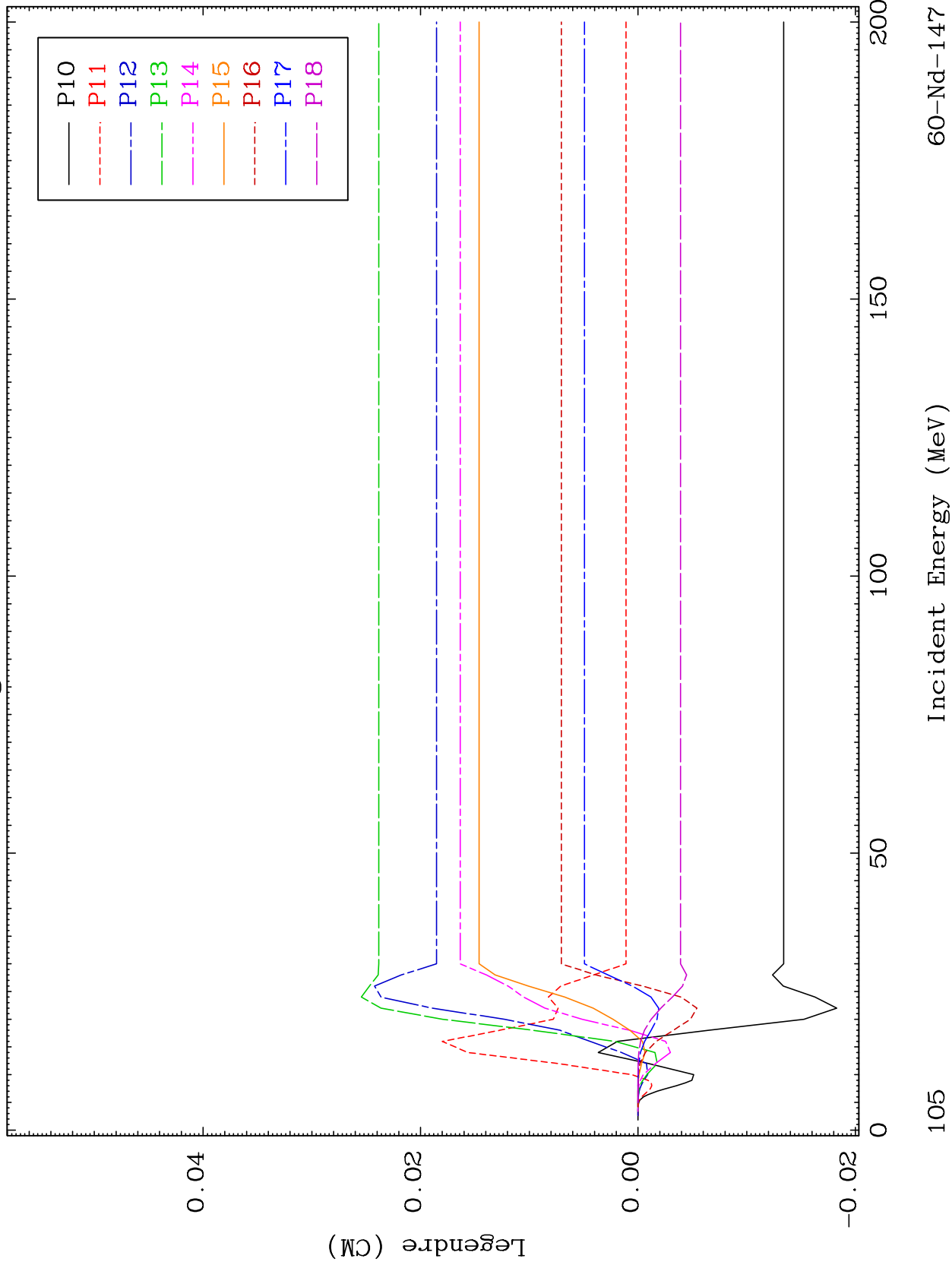




MAT 6040

MT= 72 (n,n') Level  
Legendre Coefficients

60-Nd-147



60-Nd-147

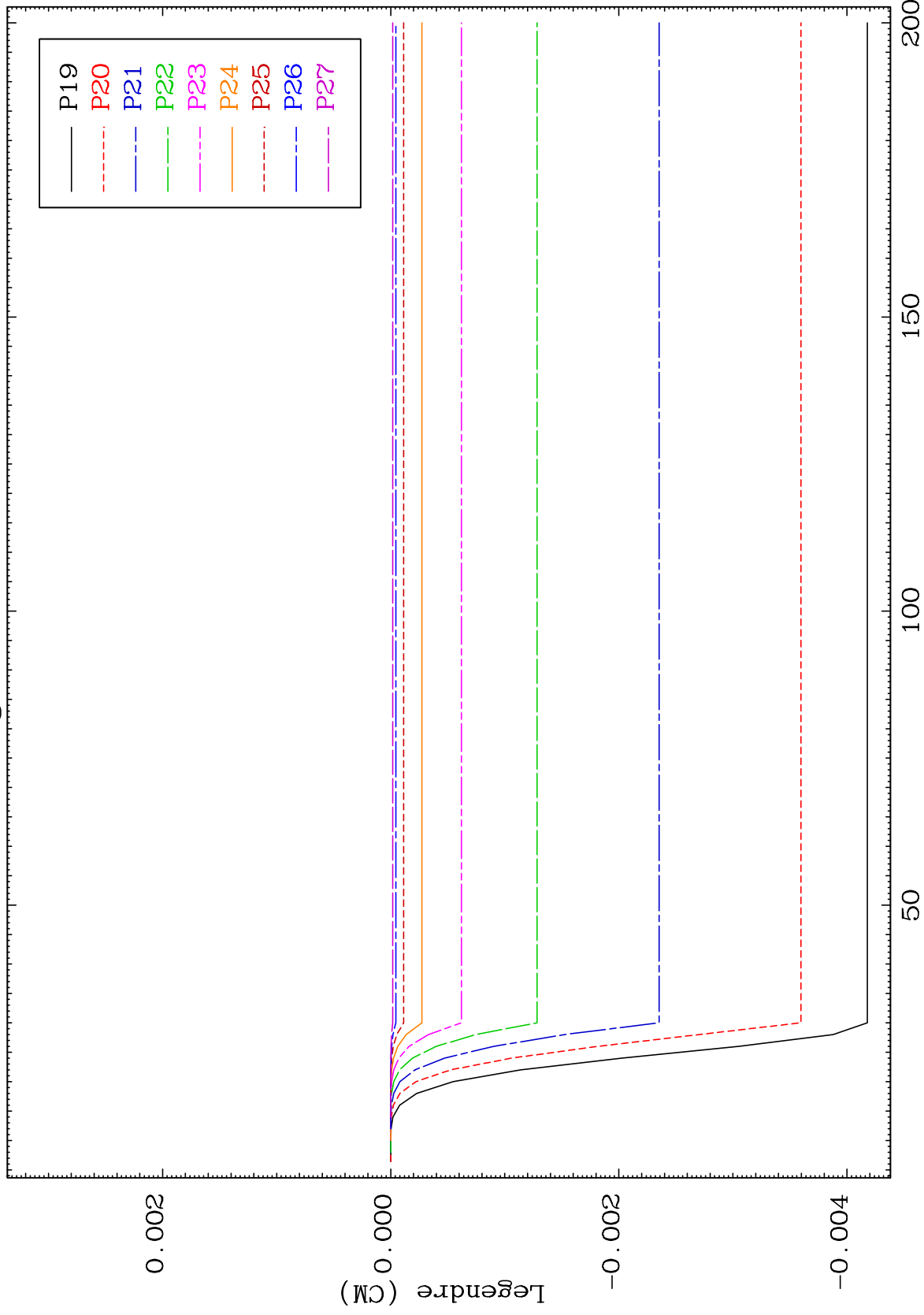
Incident Energy (MeV)

105

MAT 6040

MT= 72 (n,n') Level  
Legendre Coefficients

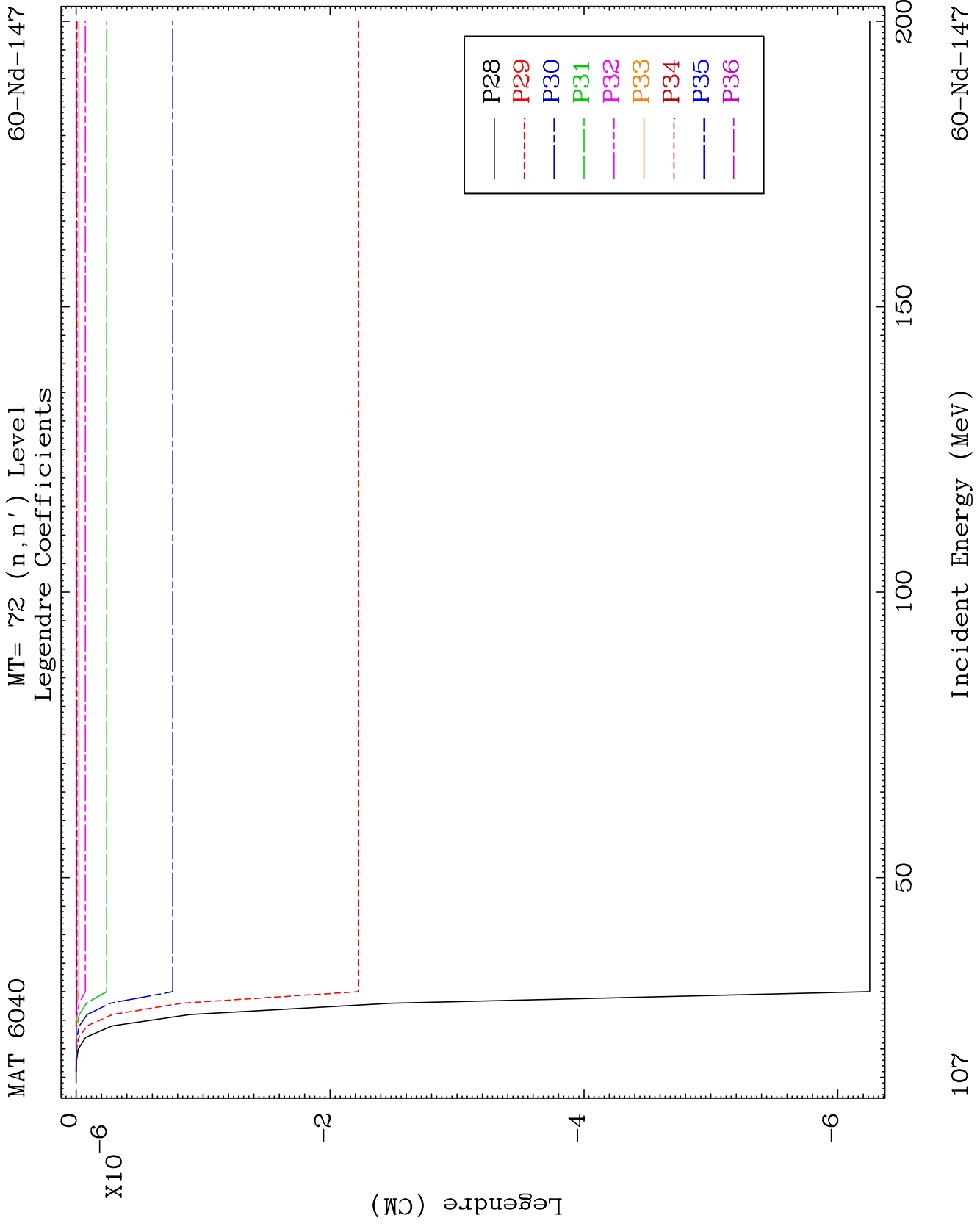
60-Nd-147



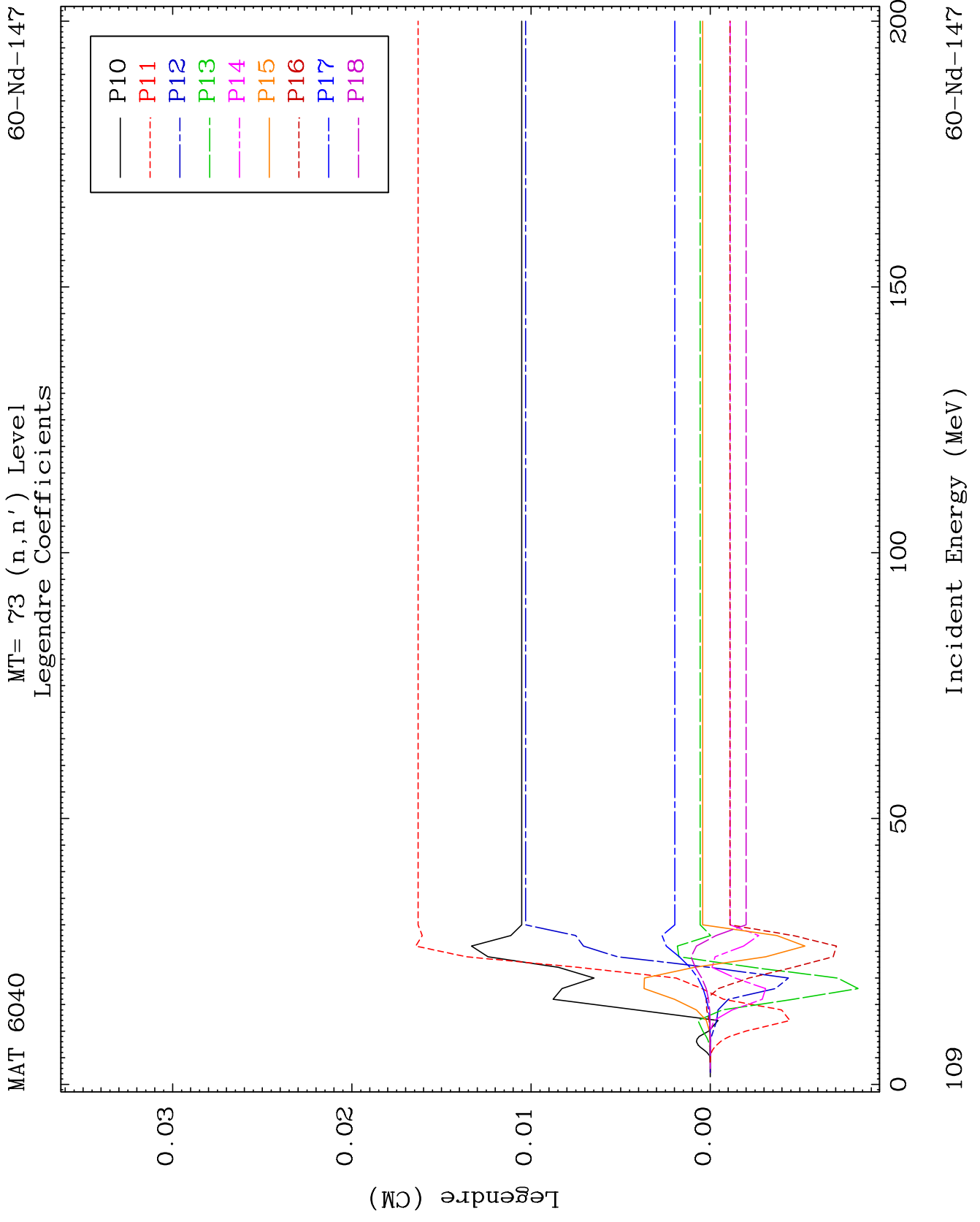
106

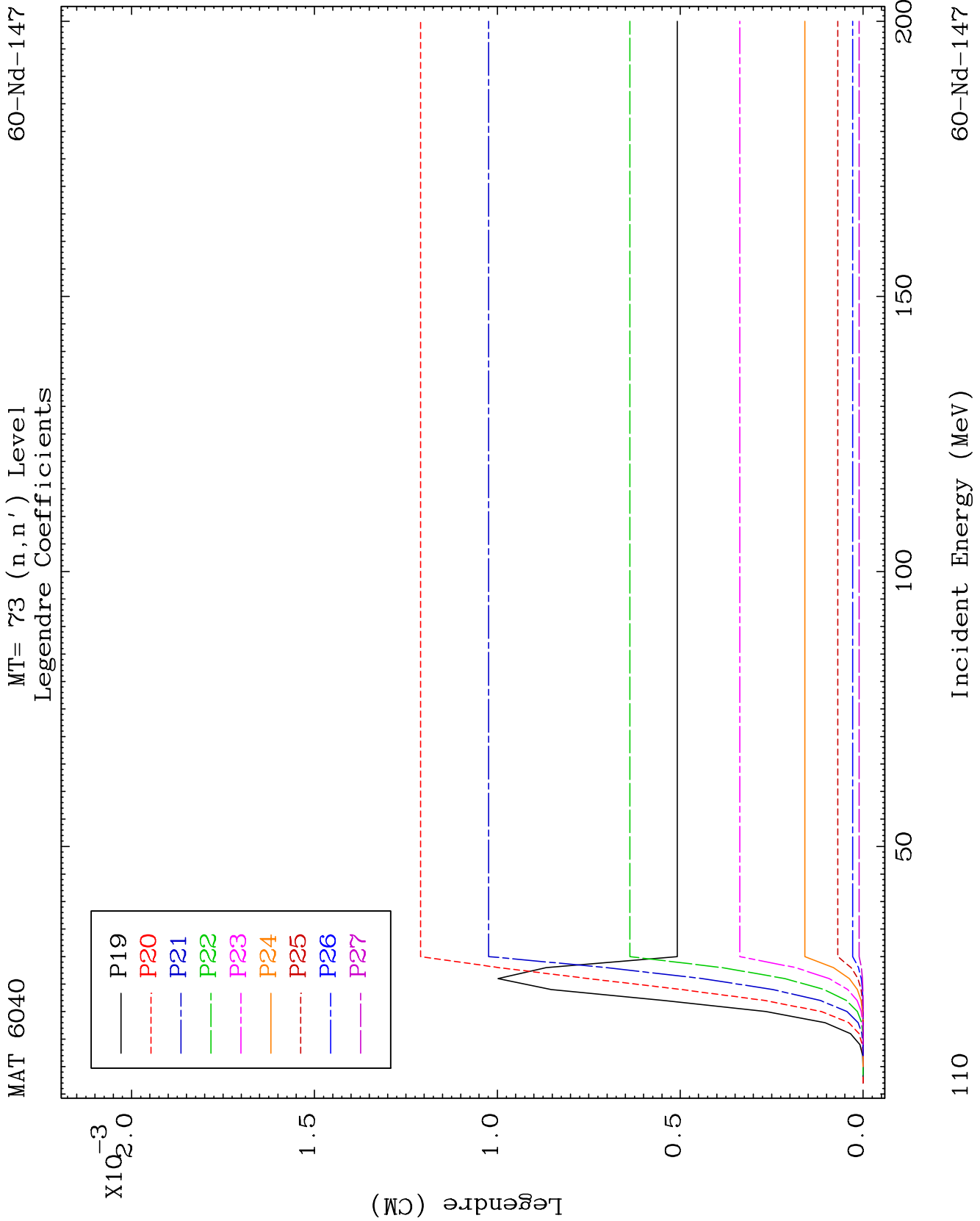
Incident Energy (MeV)

60-Nd-147





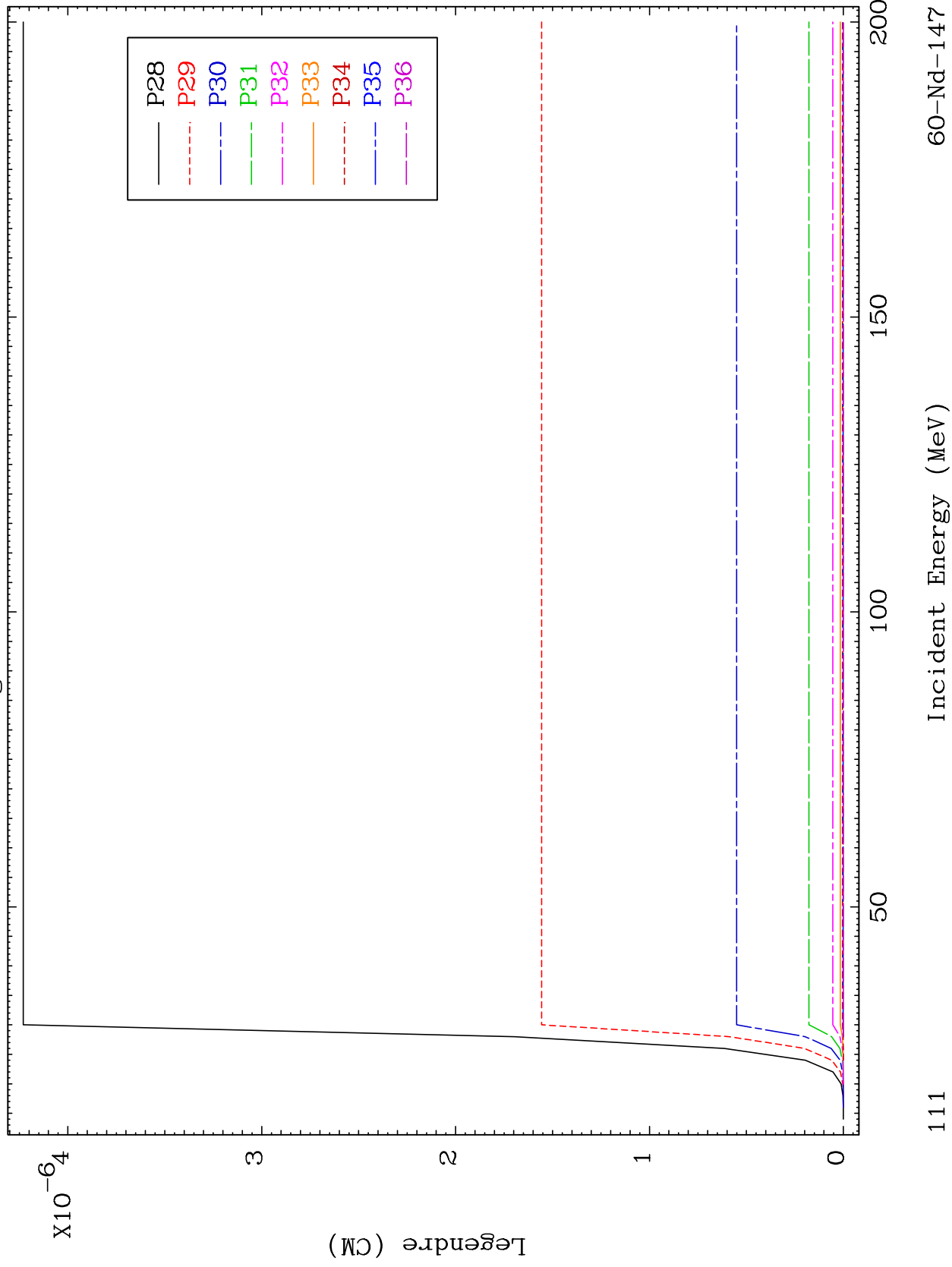




MAT 6040

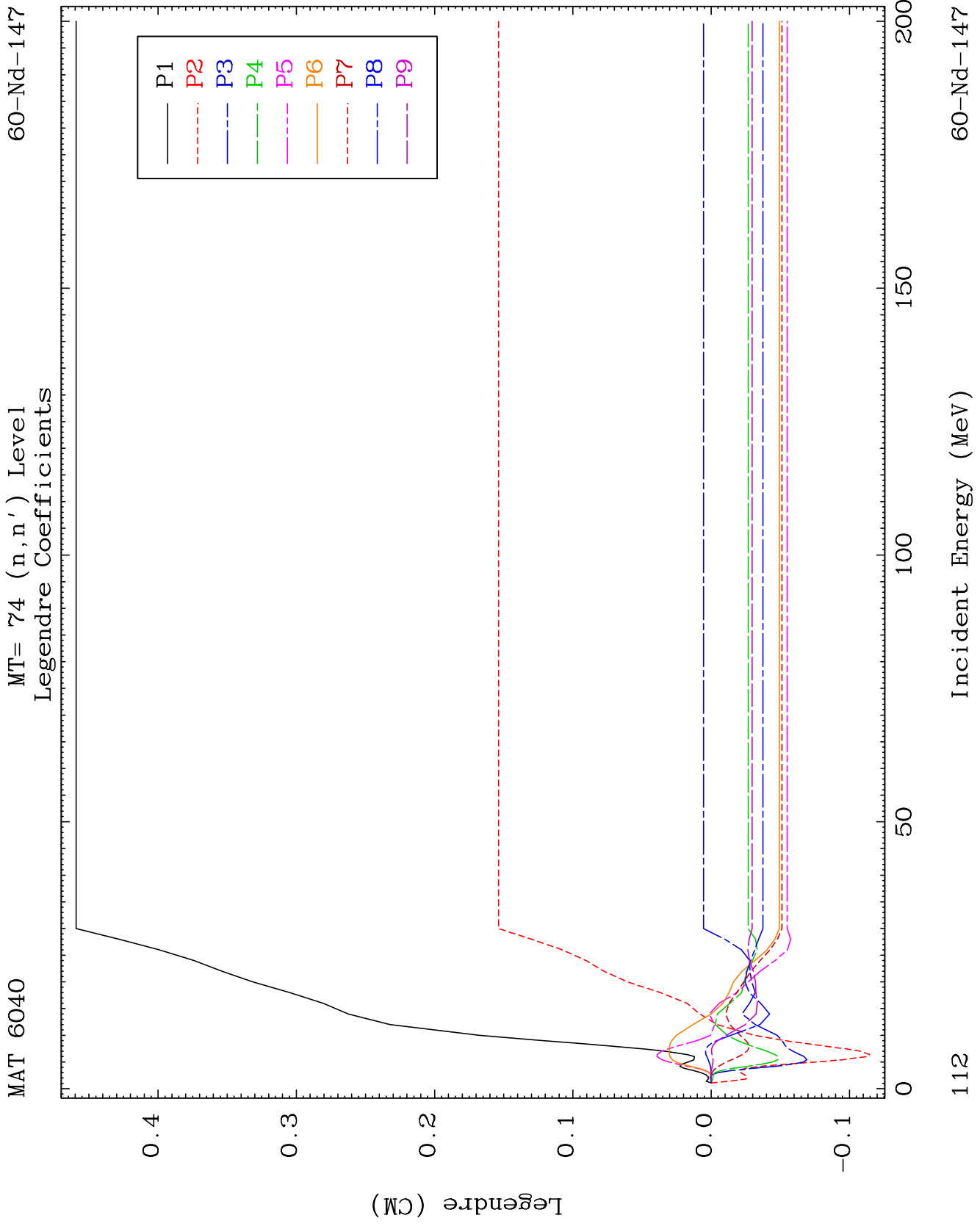
MT= 73 (n,n') Level  
Legendre Coefficients

60-Nd-147



111

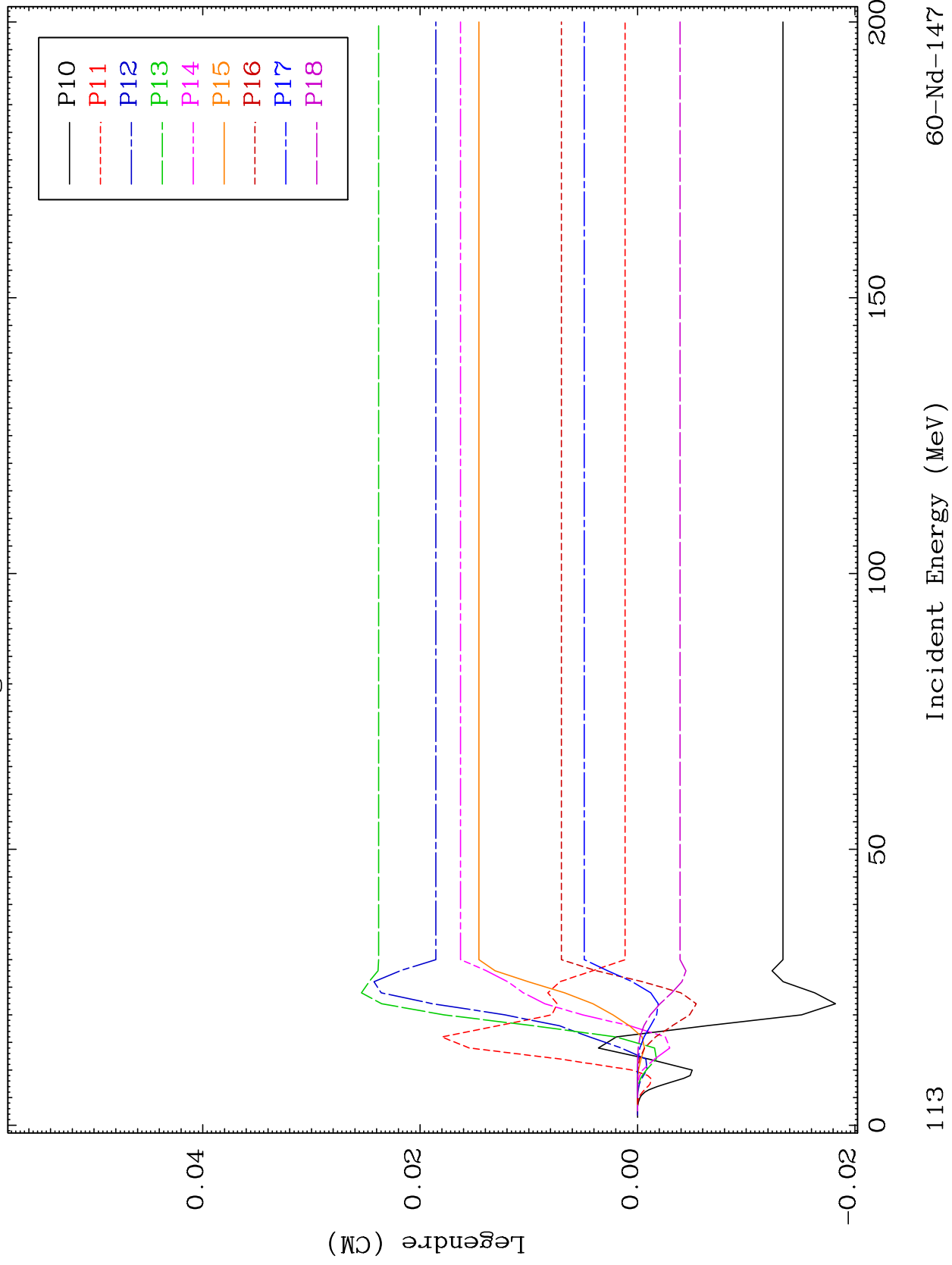




MAT 6040

MT= 74 (n,n') Level  
Legendre Coefficients

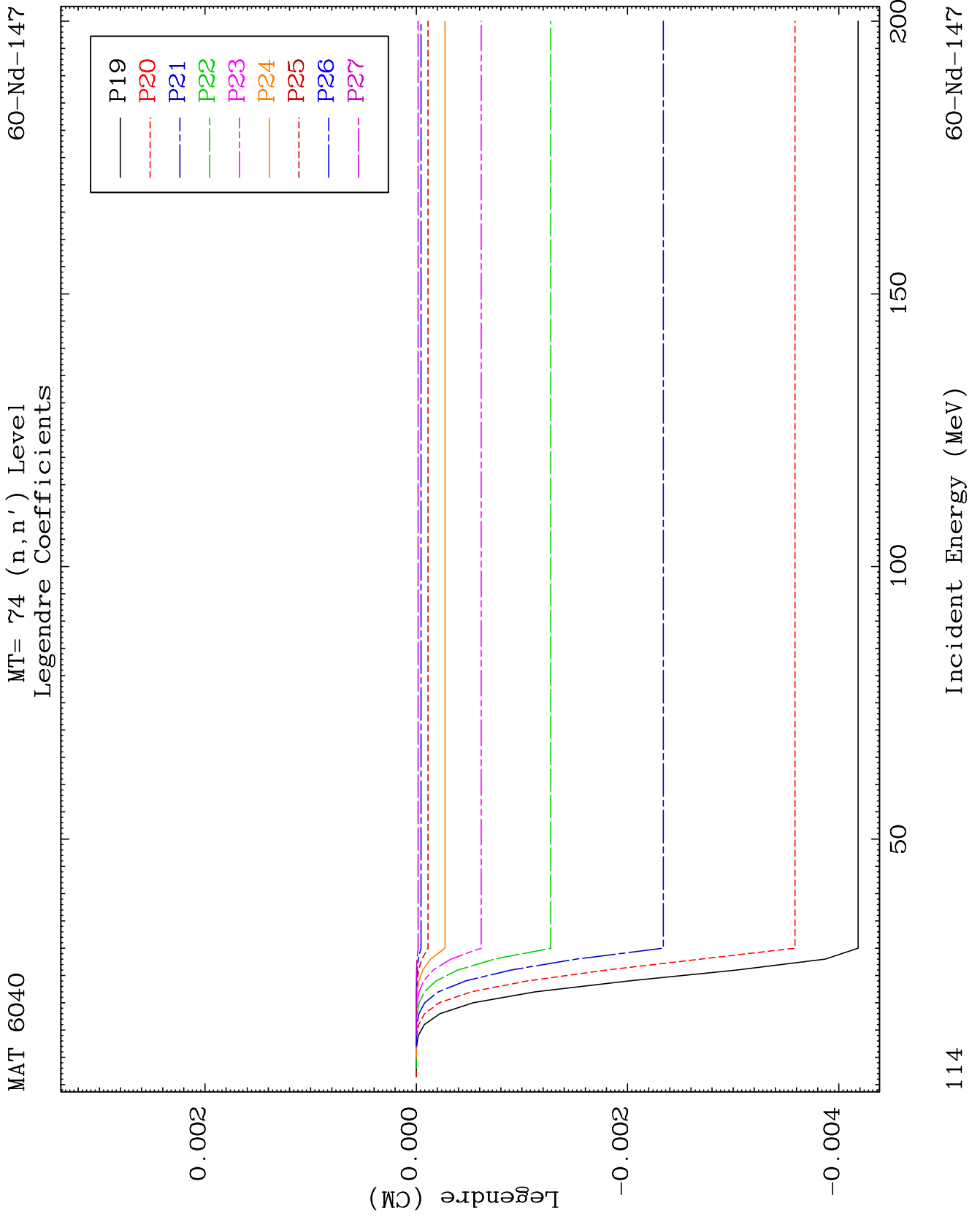
60-Nd-147

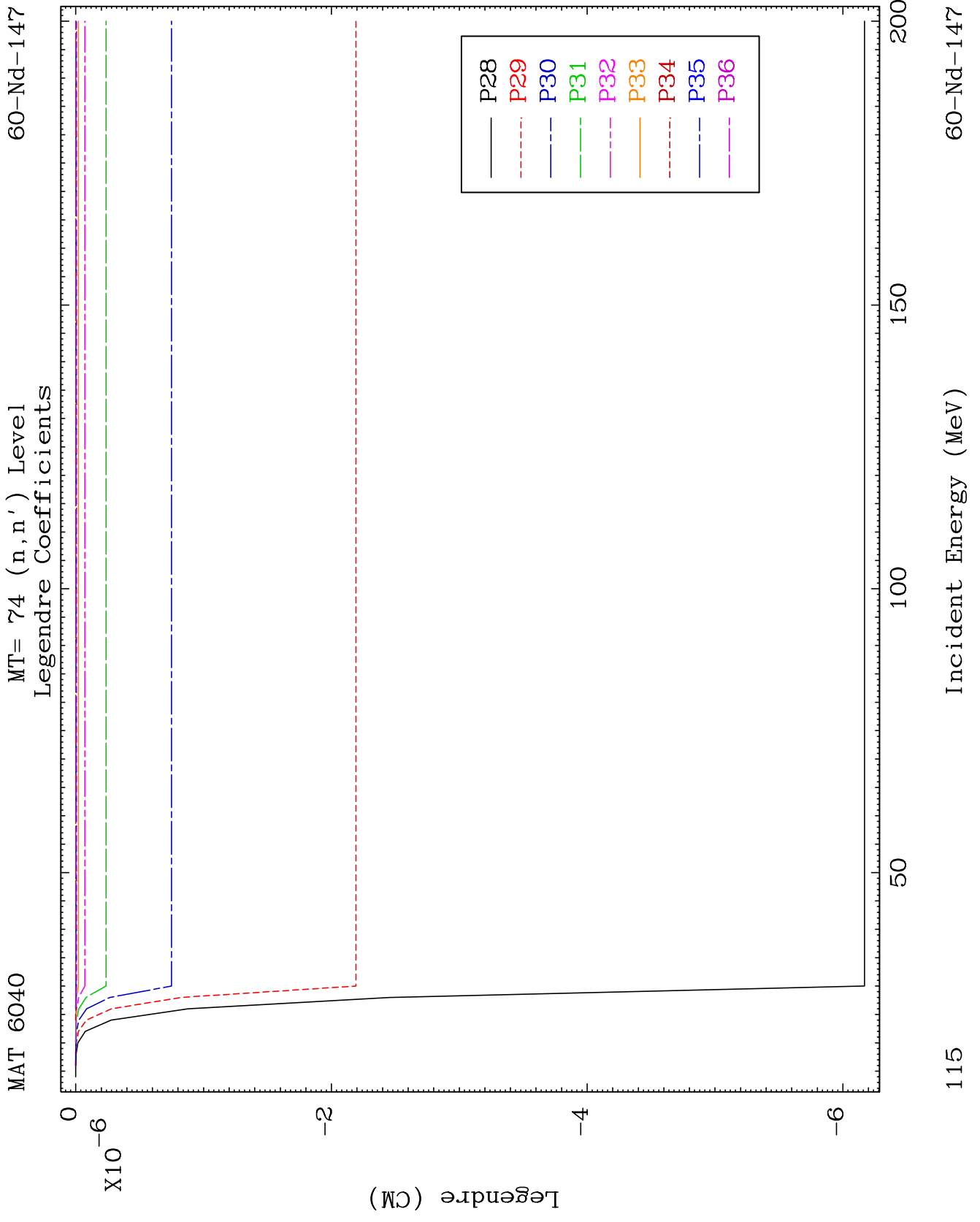


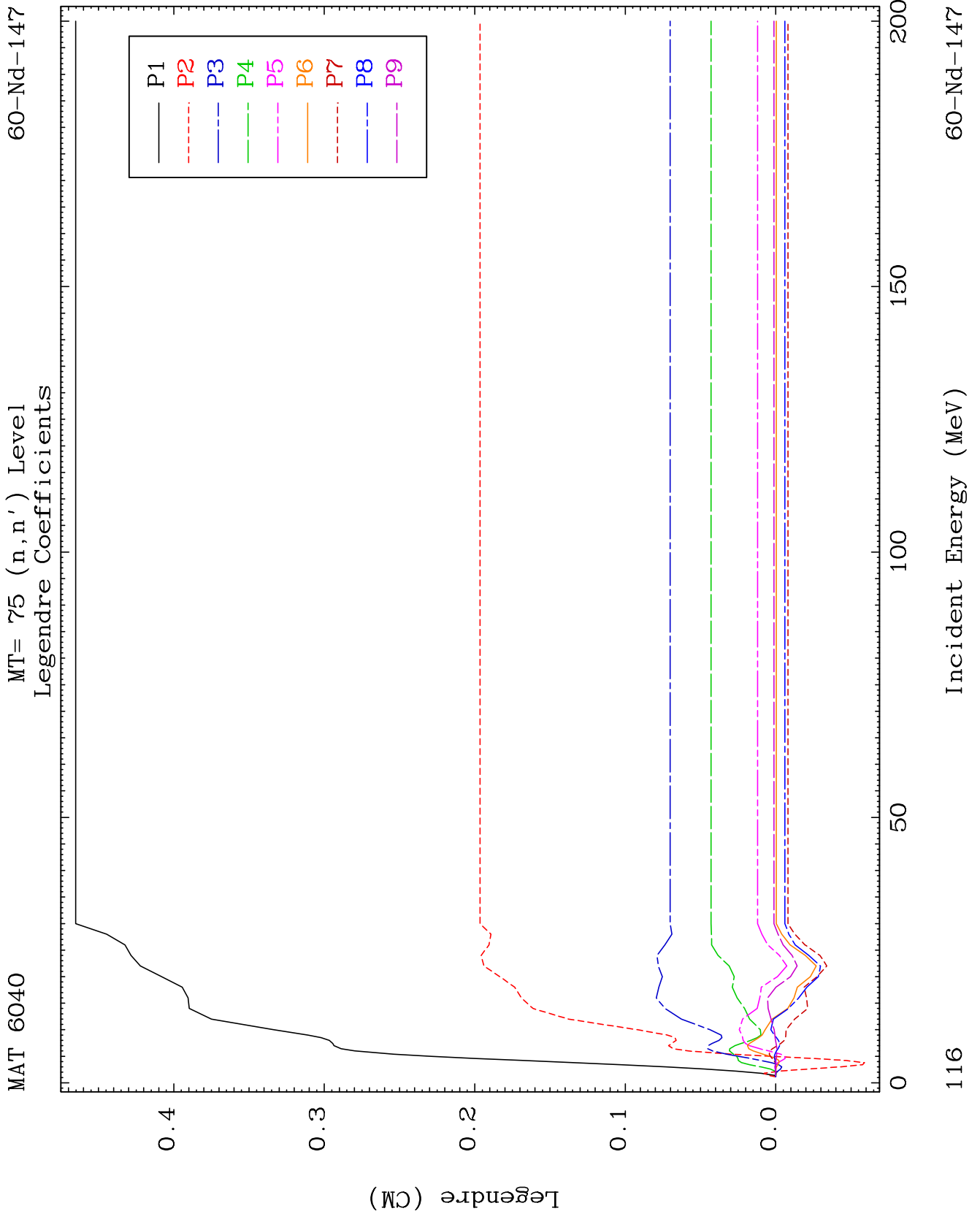
113

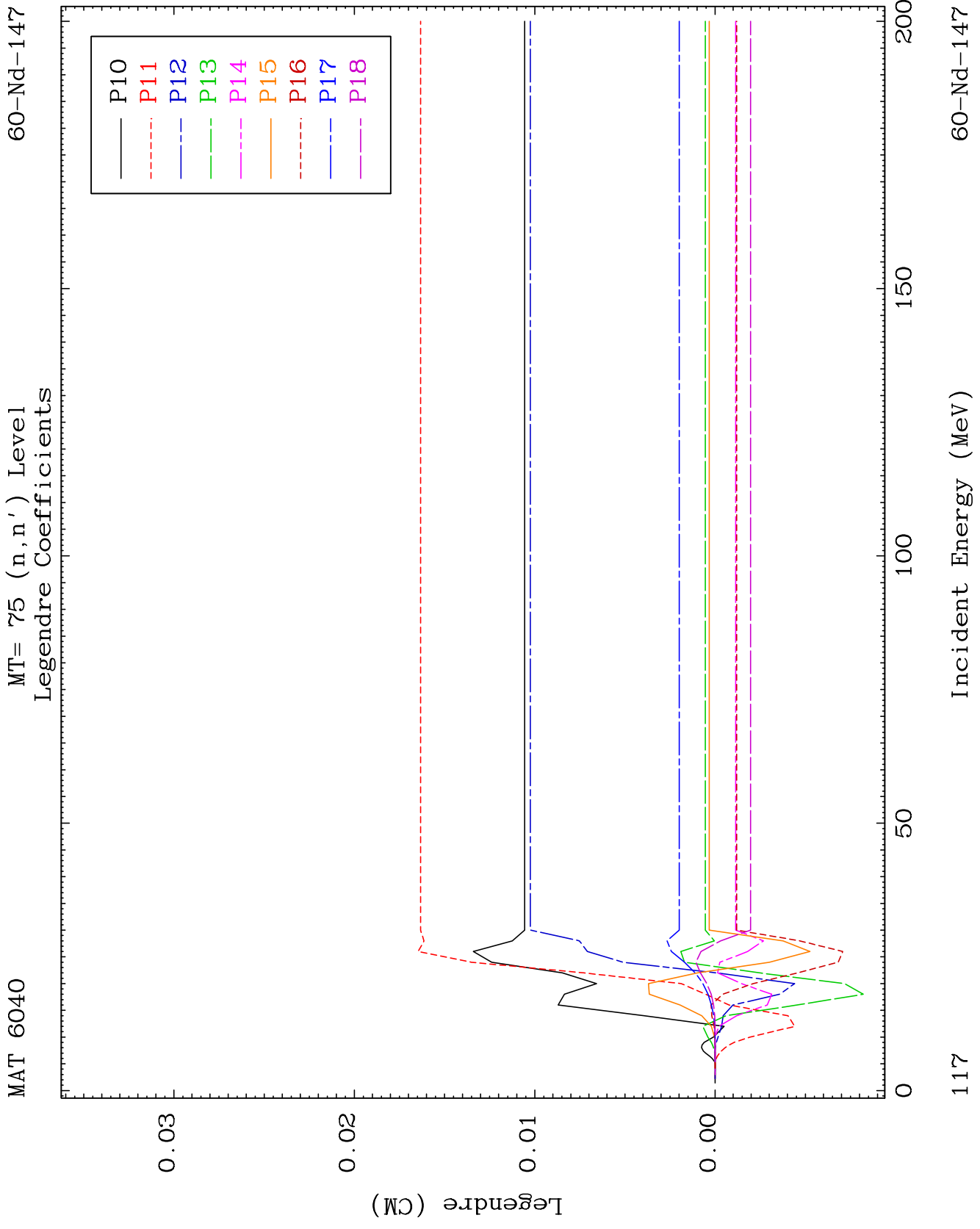
Incident Energy (MeV)

60-Nd-147





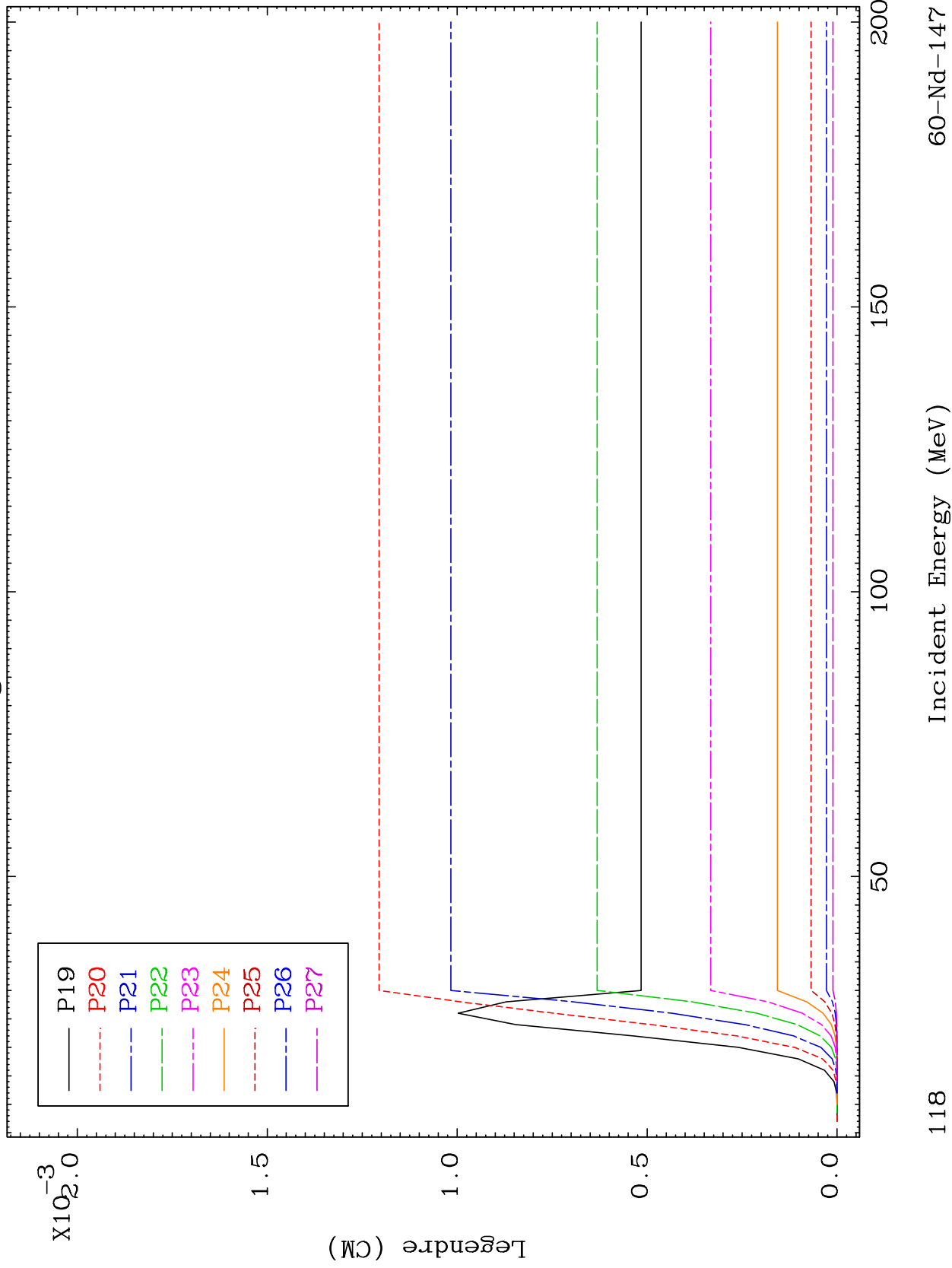




MAT 6040

MT= 75 (n,n') Level  
Legendre Coefficients

60-Nd-147

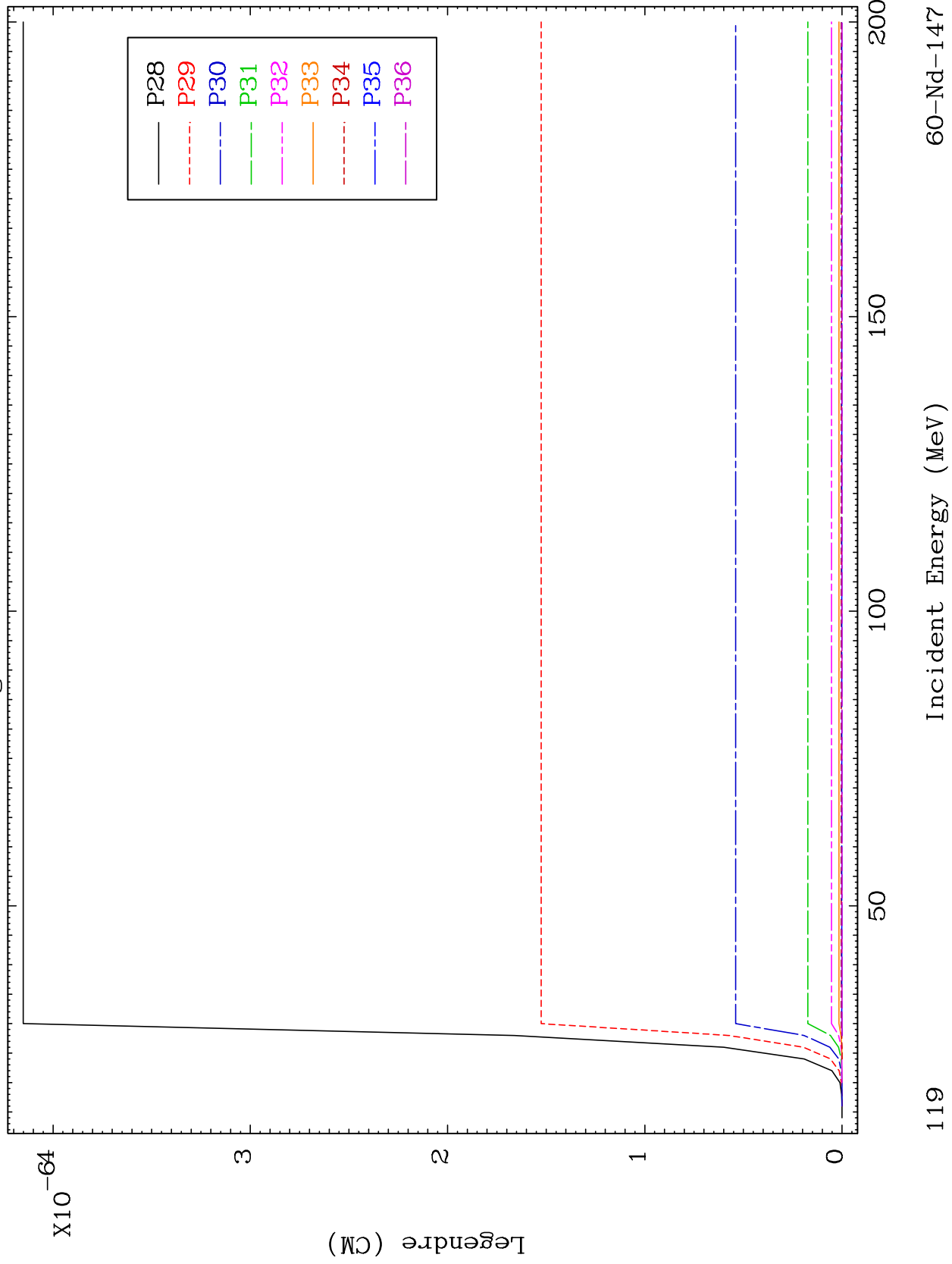


118

MAT 6040

MT= 75 (n,n') Level  
Legendre Coefficients

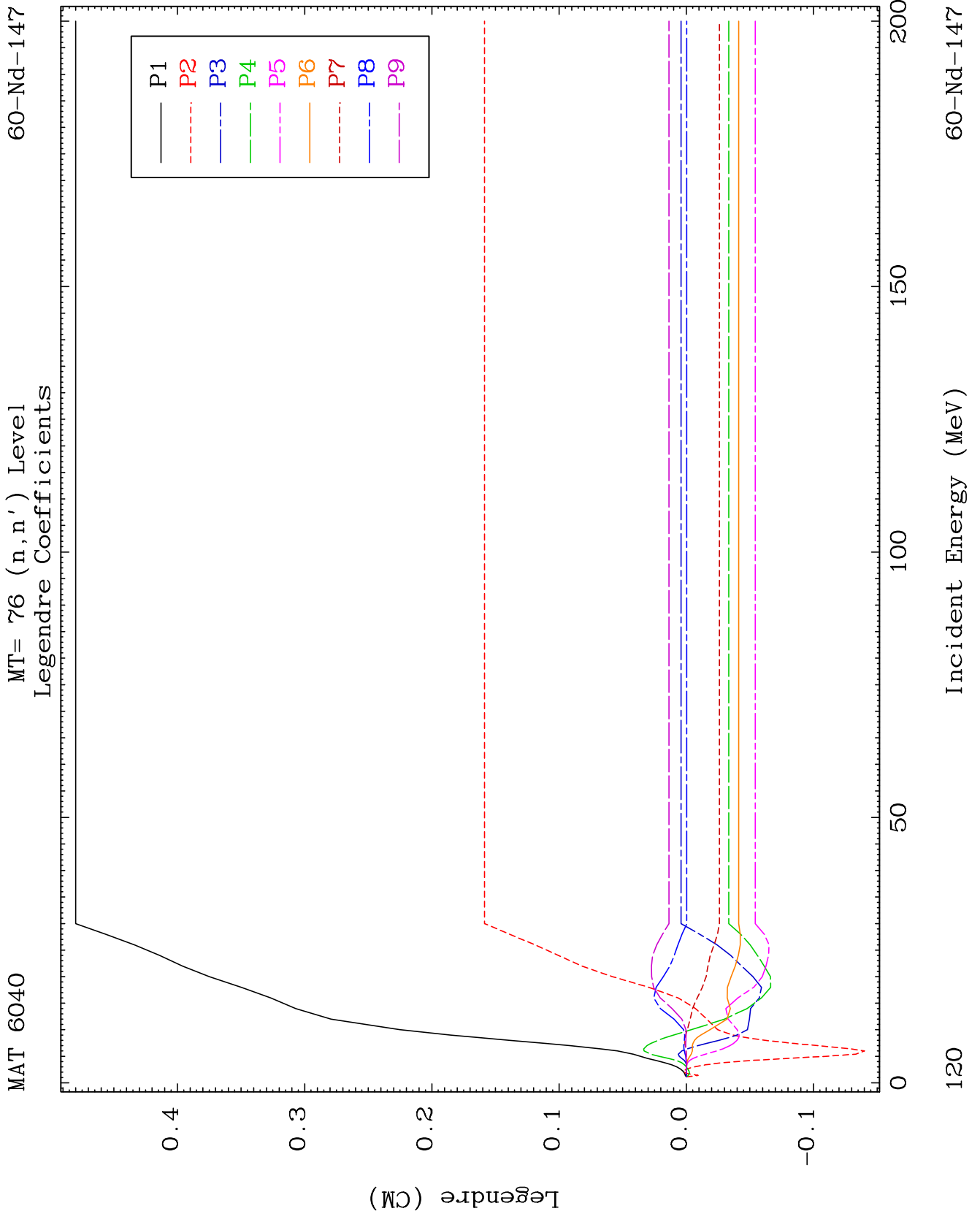
60-Nd-147



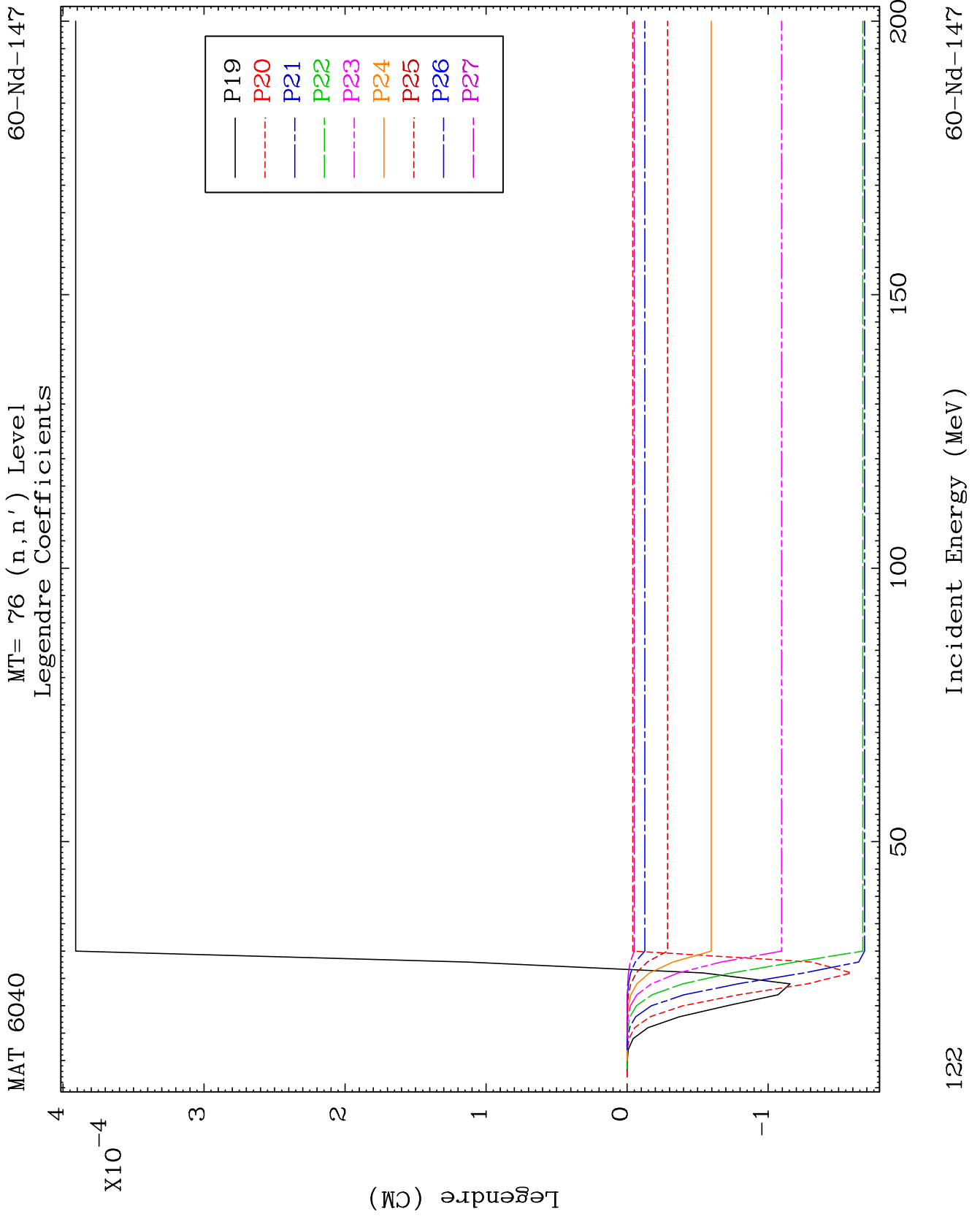
119

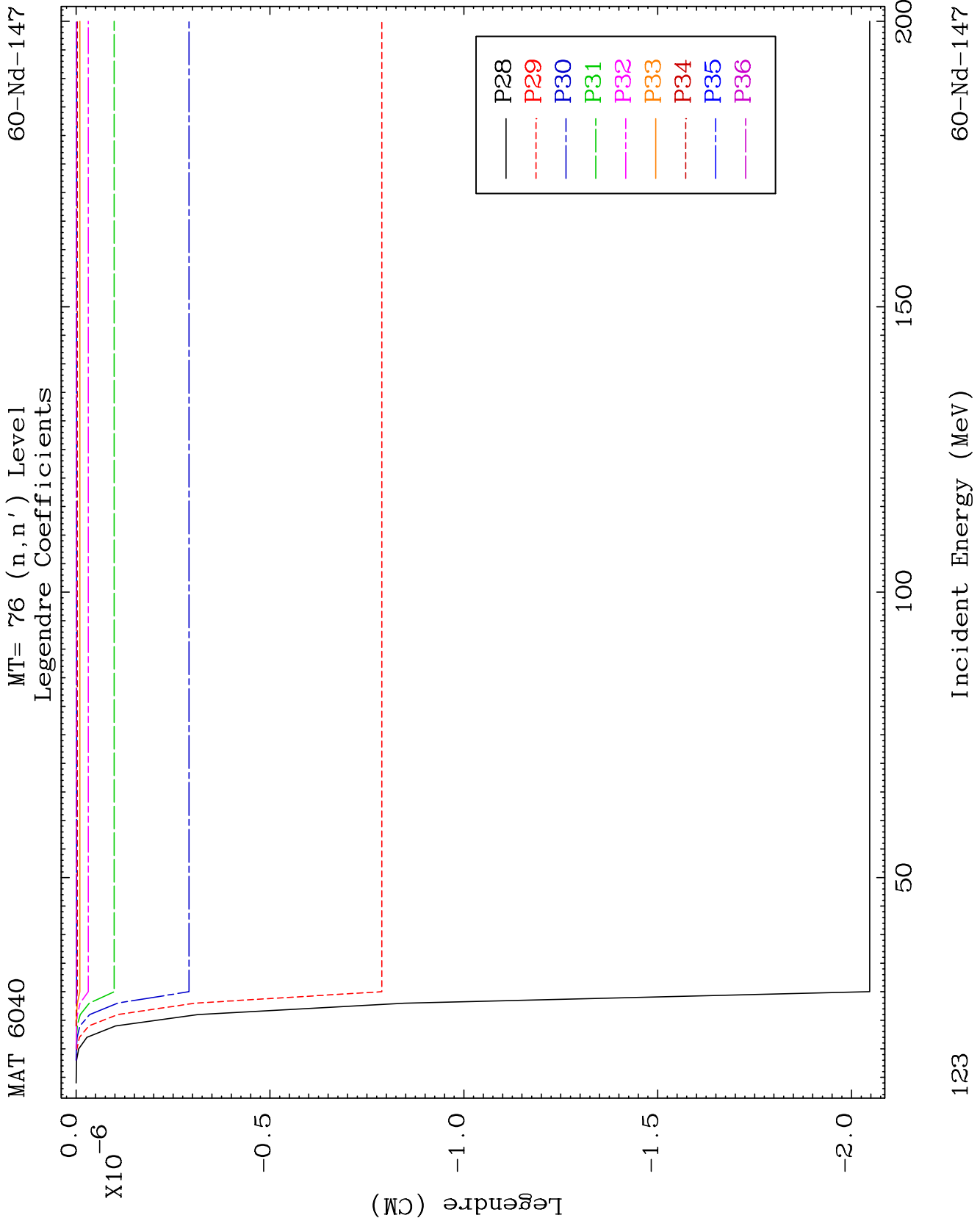
60-Nd-147

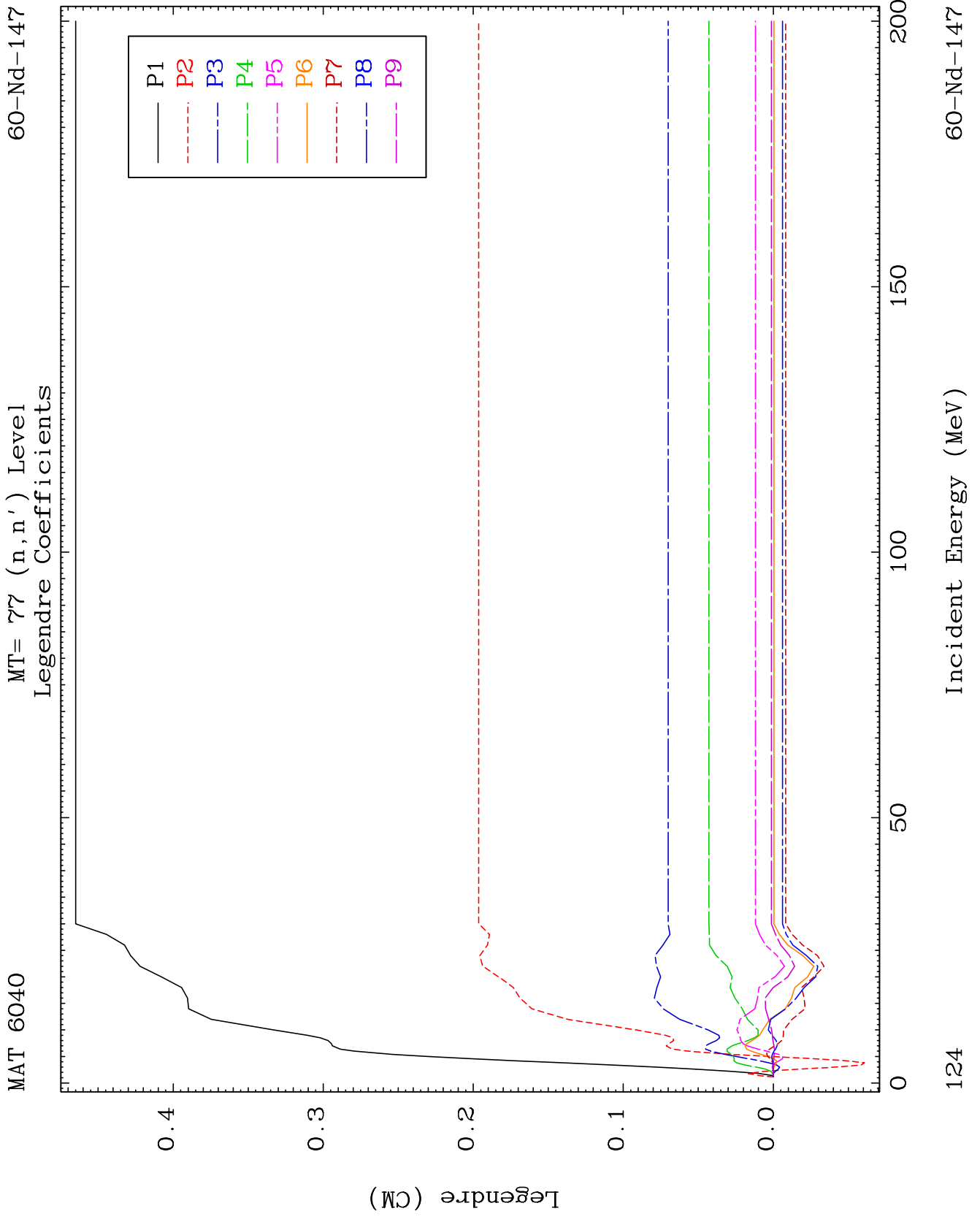


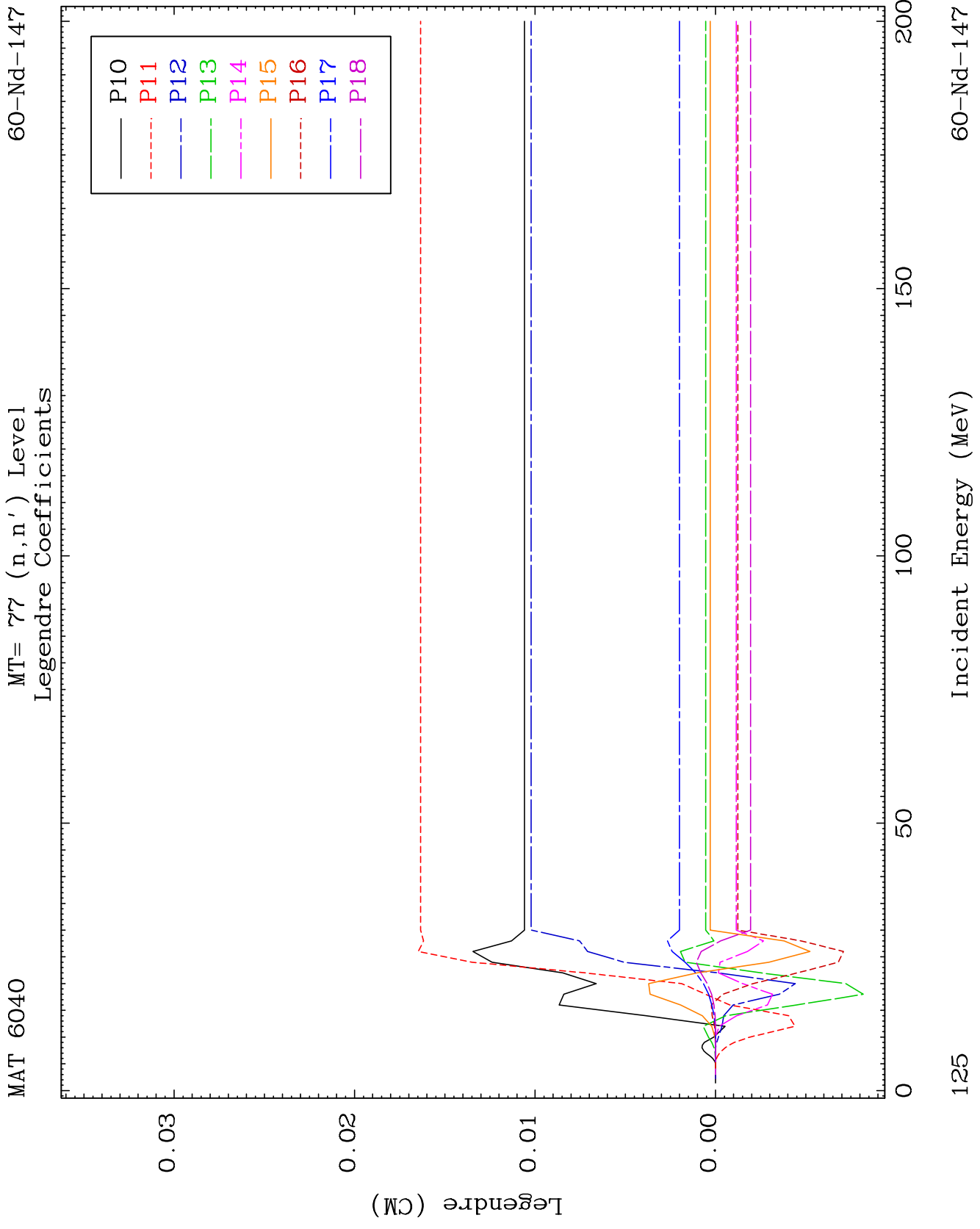








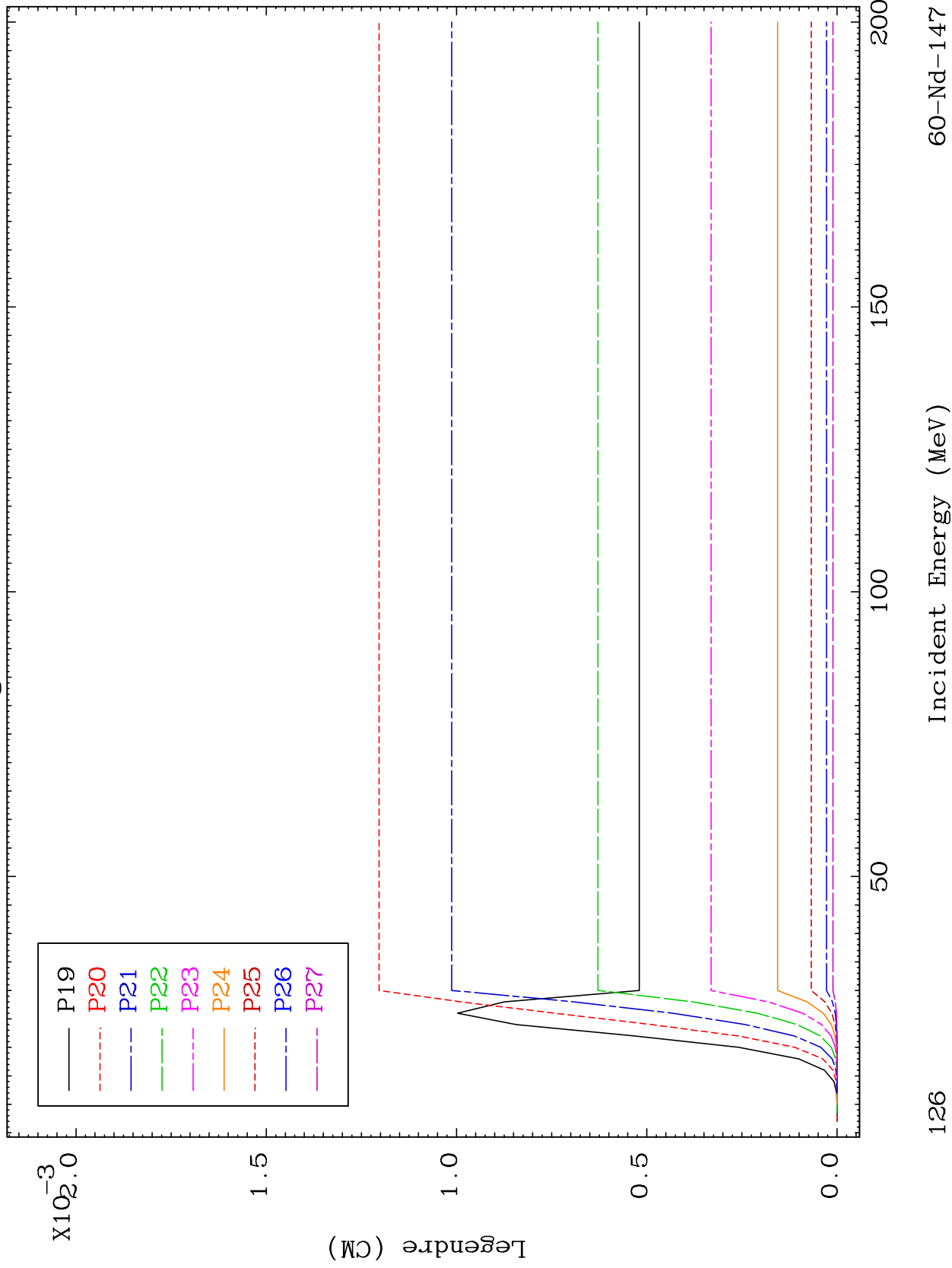


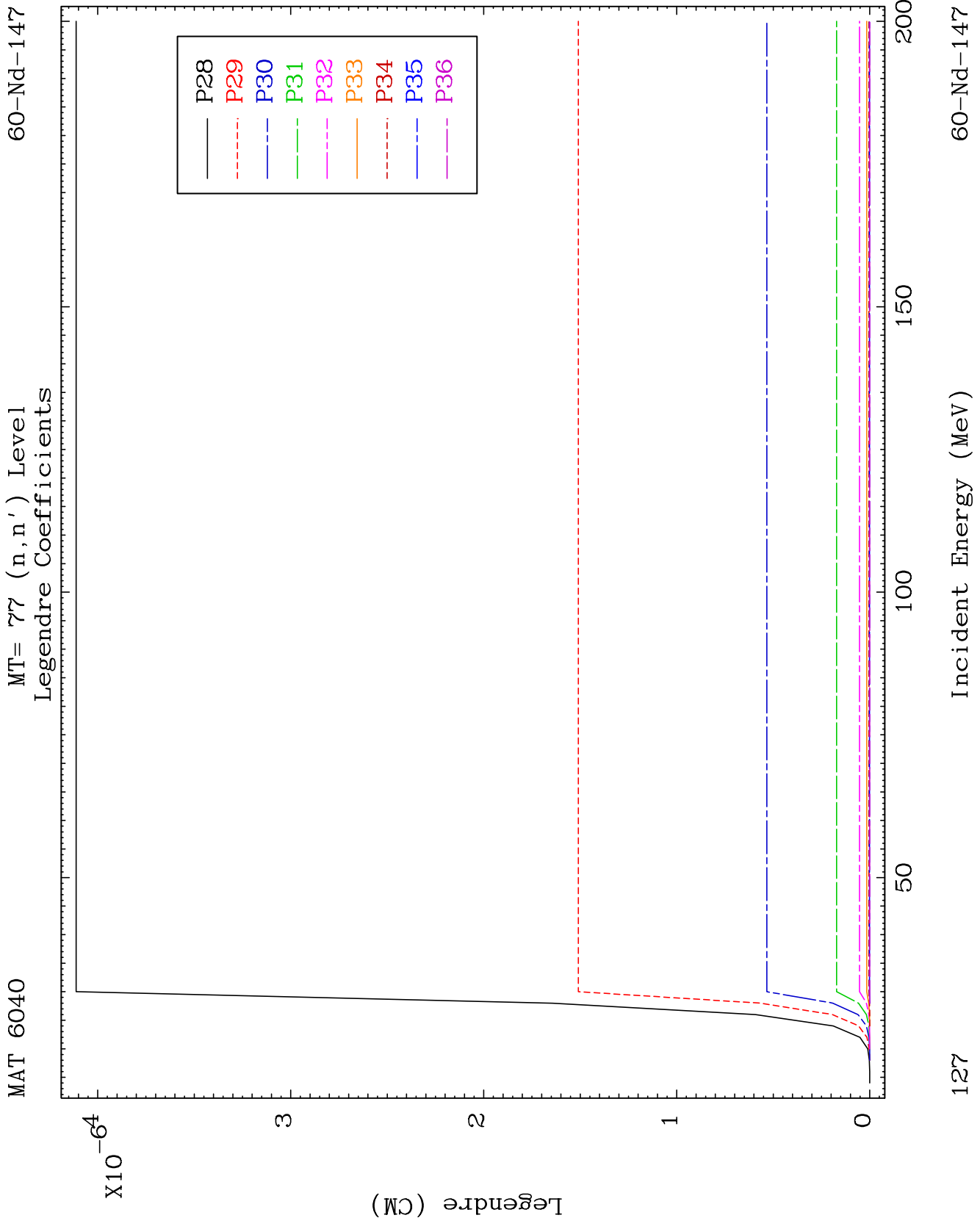


MAT 6040

MT= 77 (n,n') Level  
Legendre Coefficients

60-Nd-147





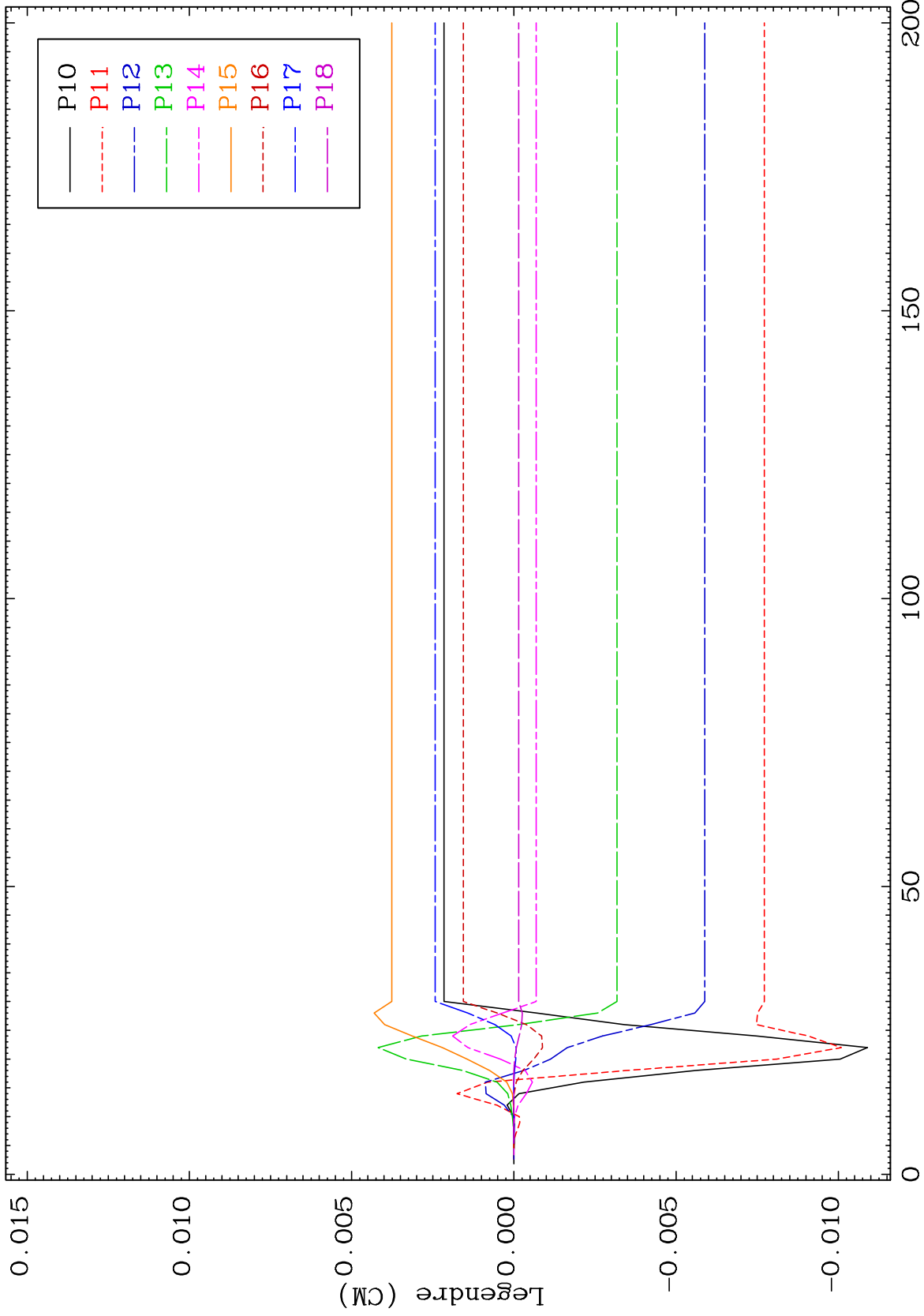




MAT 6040

MT= 78 (n,n') Level  
Legendre Coefficients

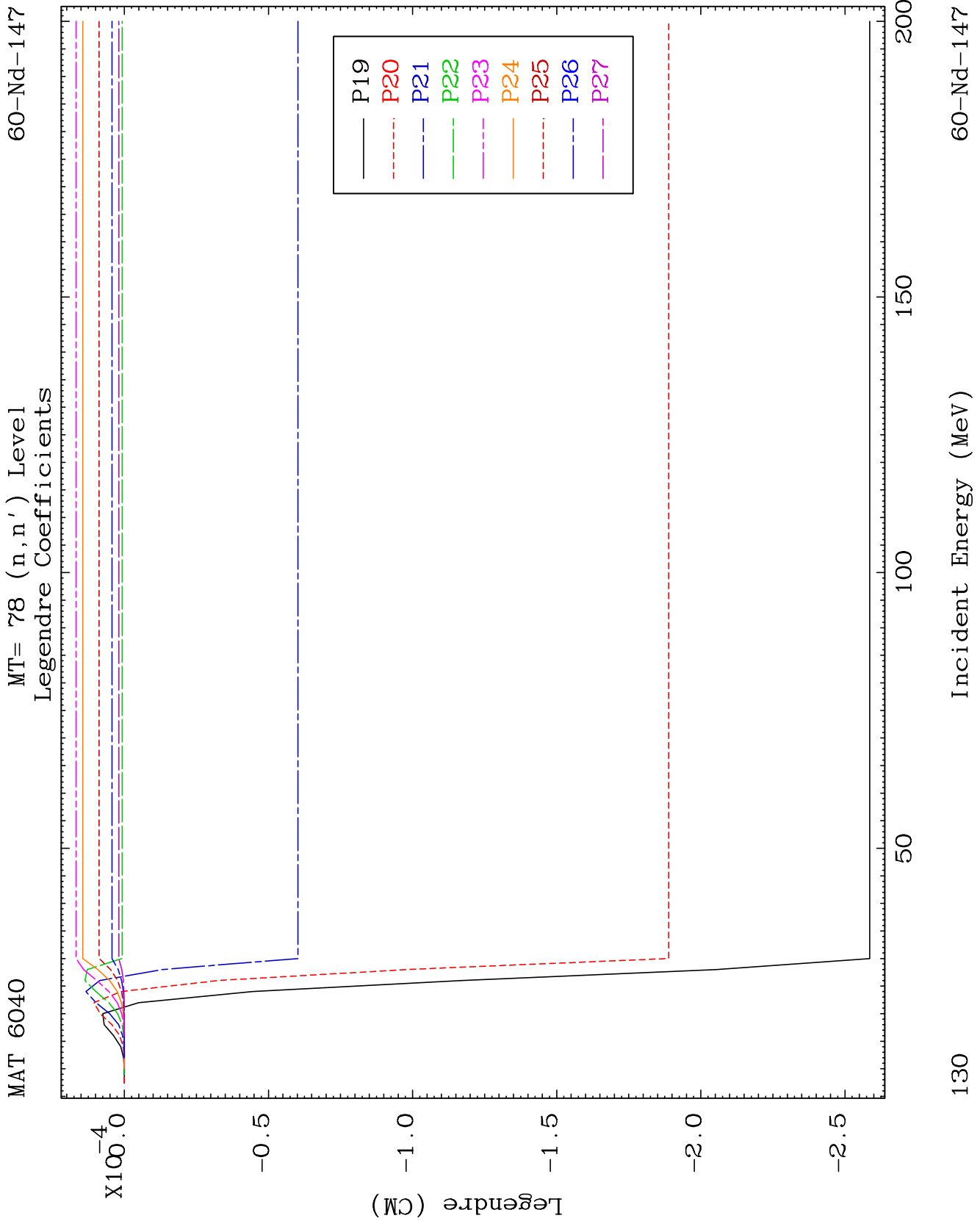
60-Nd-147

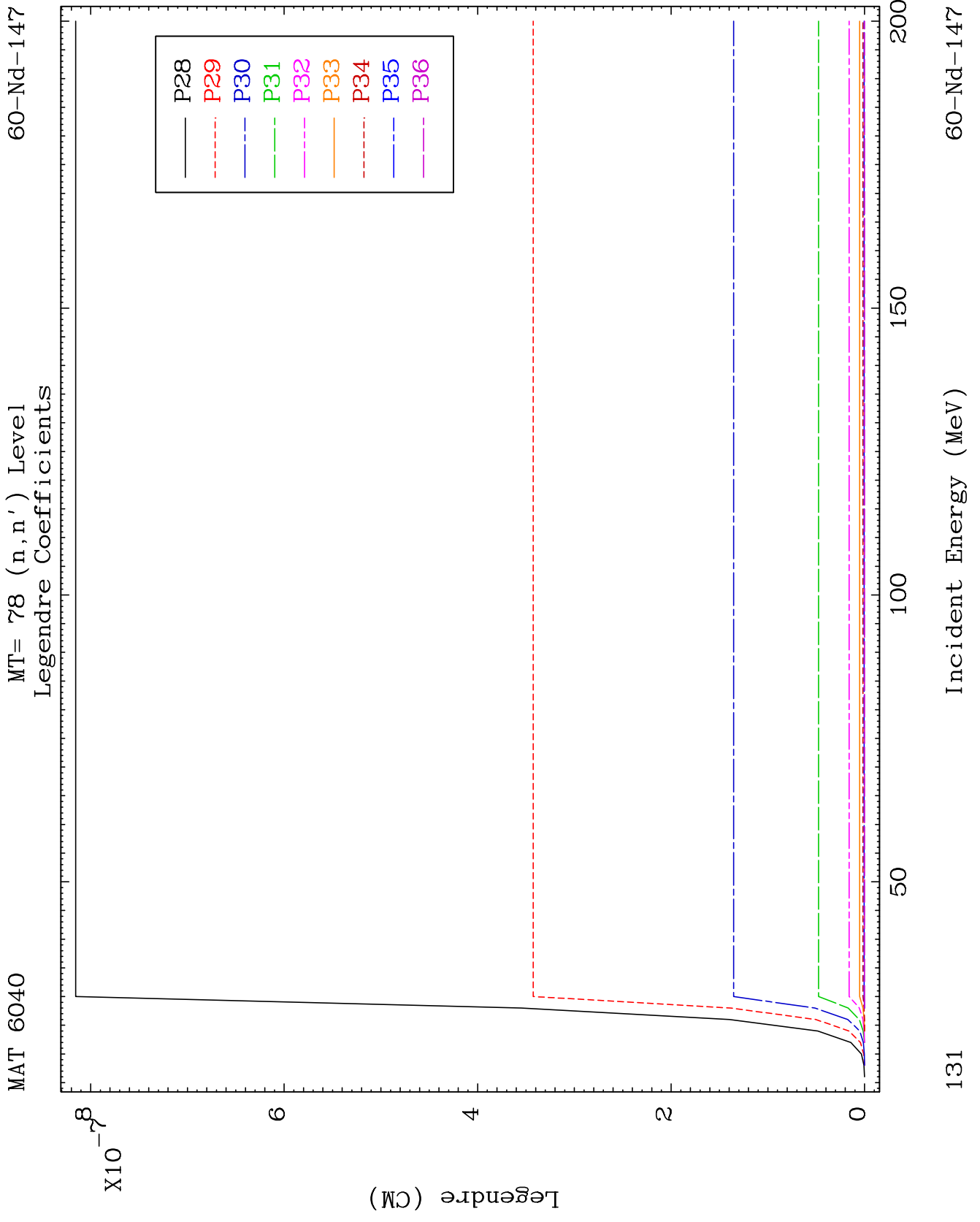


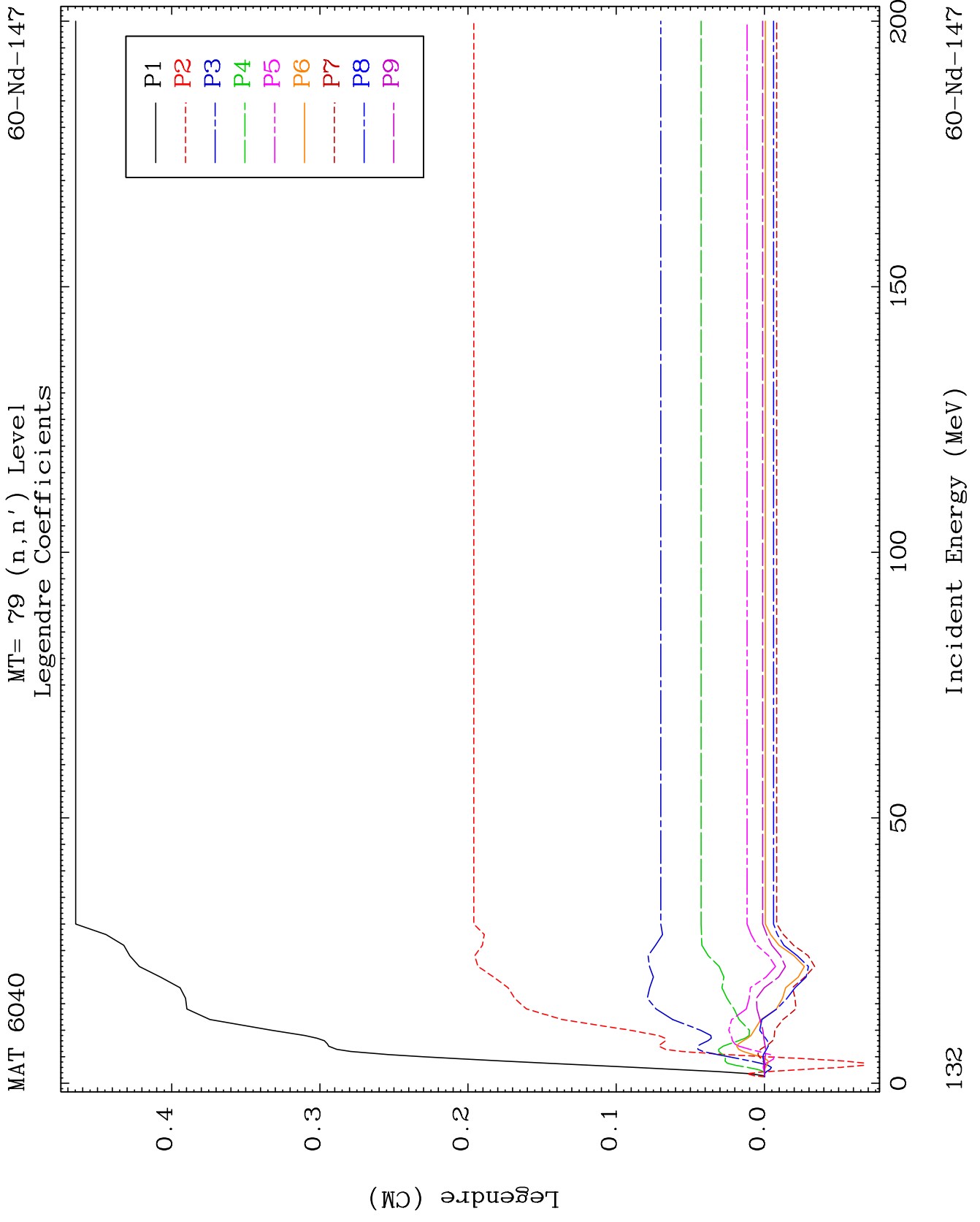
129

Incident Energy (MeV)

60-Nd-147





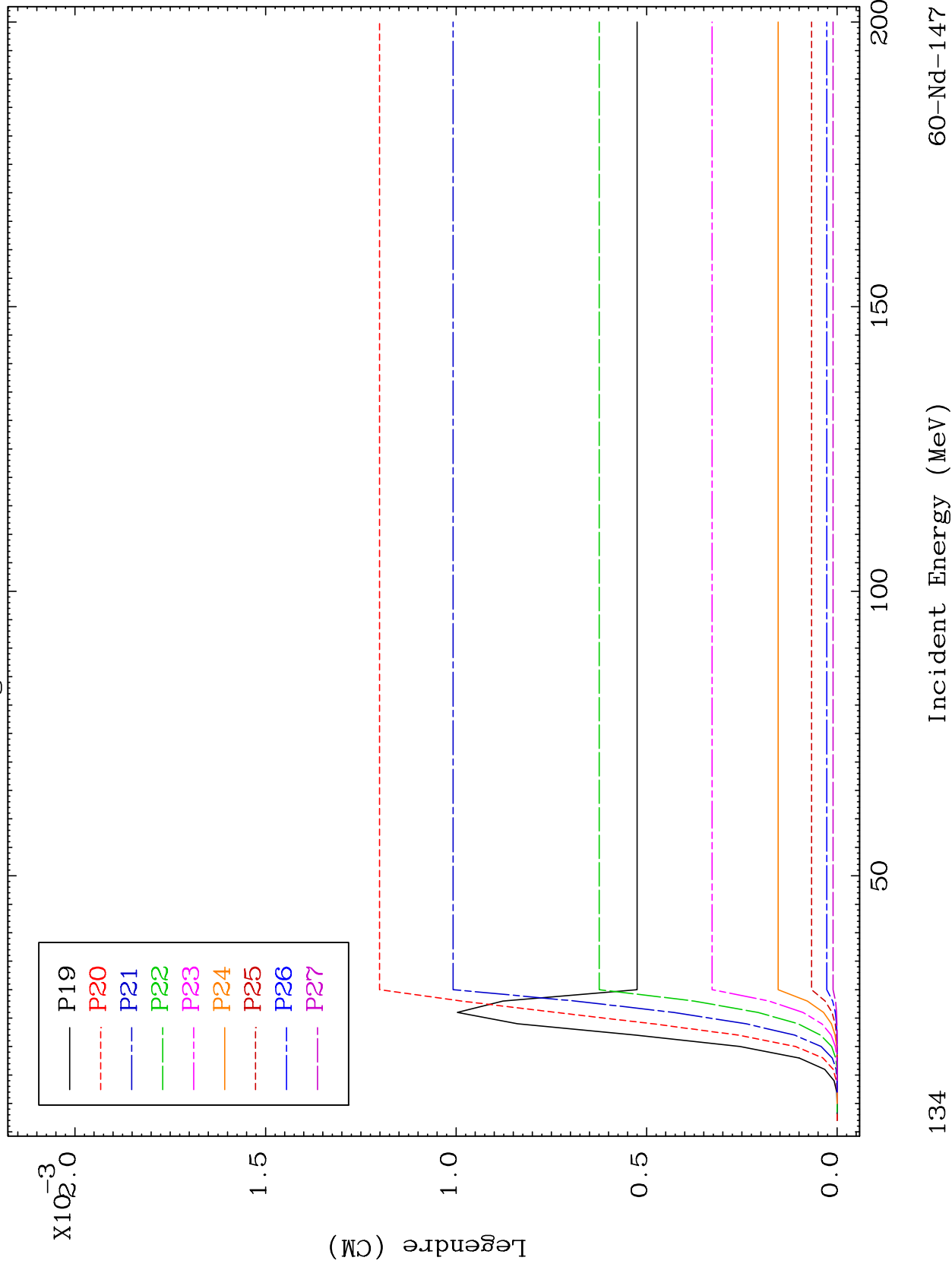




MAT 6040

MT= 79 (n,n') Level  
Legendre Coefficients

60-Nd-147



134

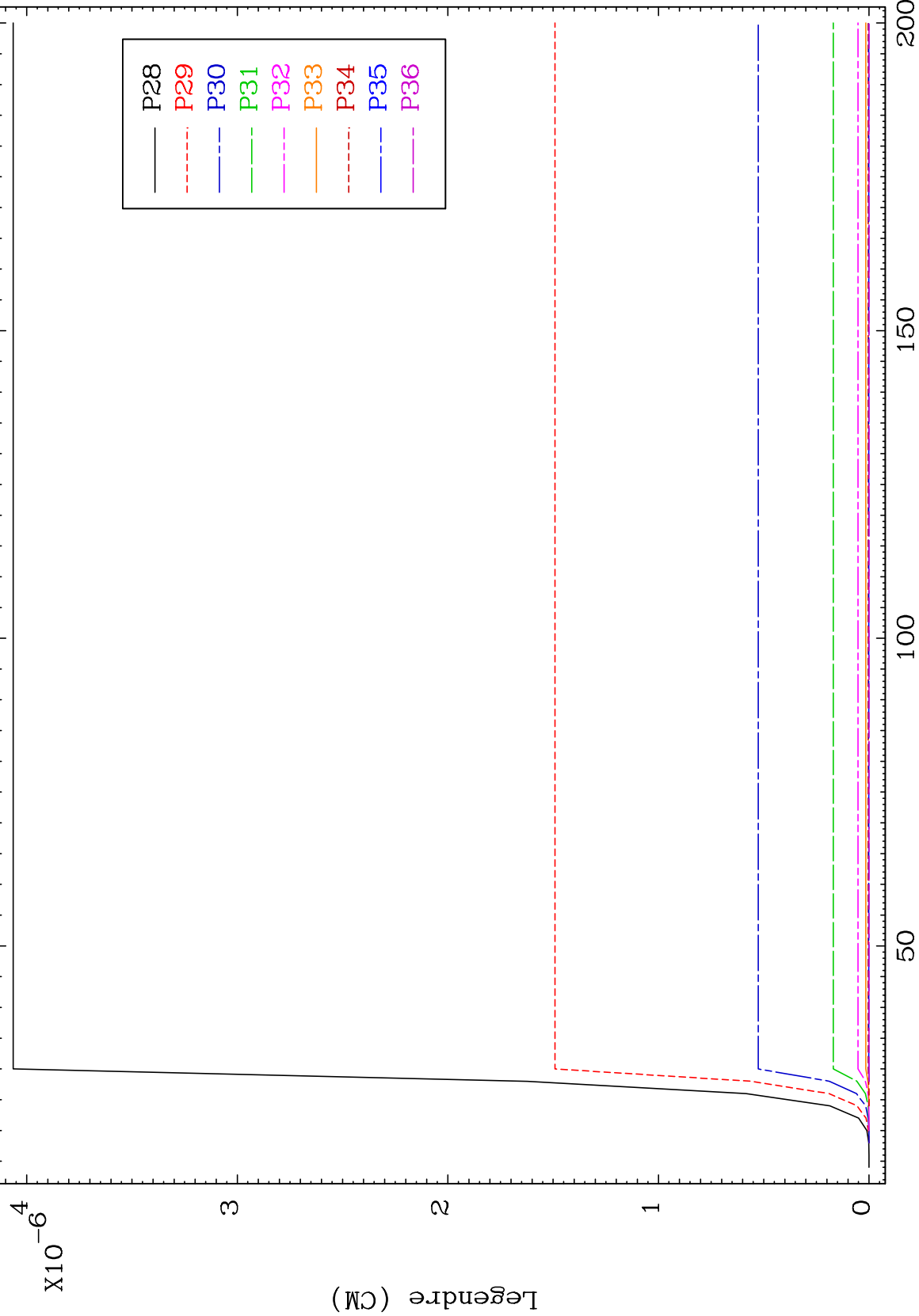
Incident Energy (MeV)

60-Nd-147

MAT 6040

MT= 79 (n,n') Level  
Legendre Coefficients

60-Nd-147



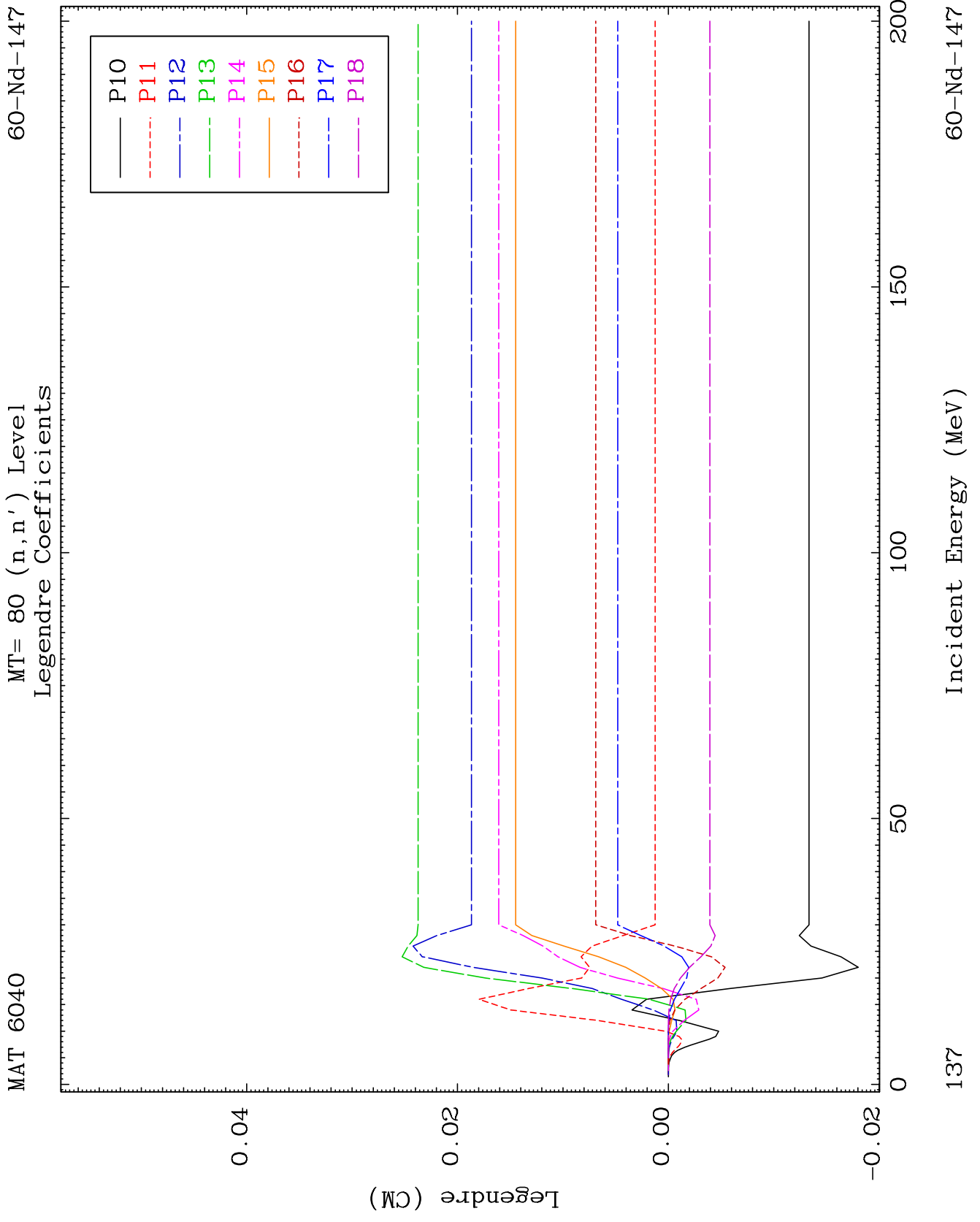
135

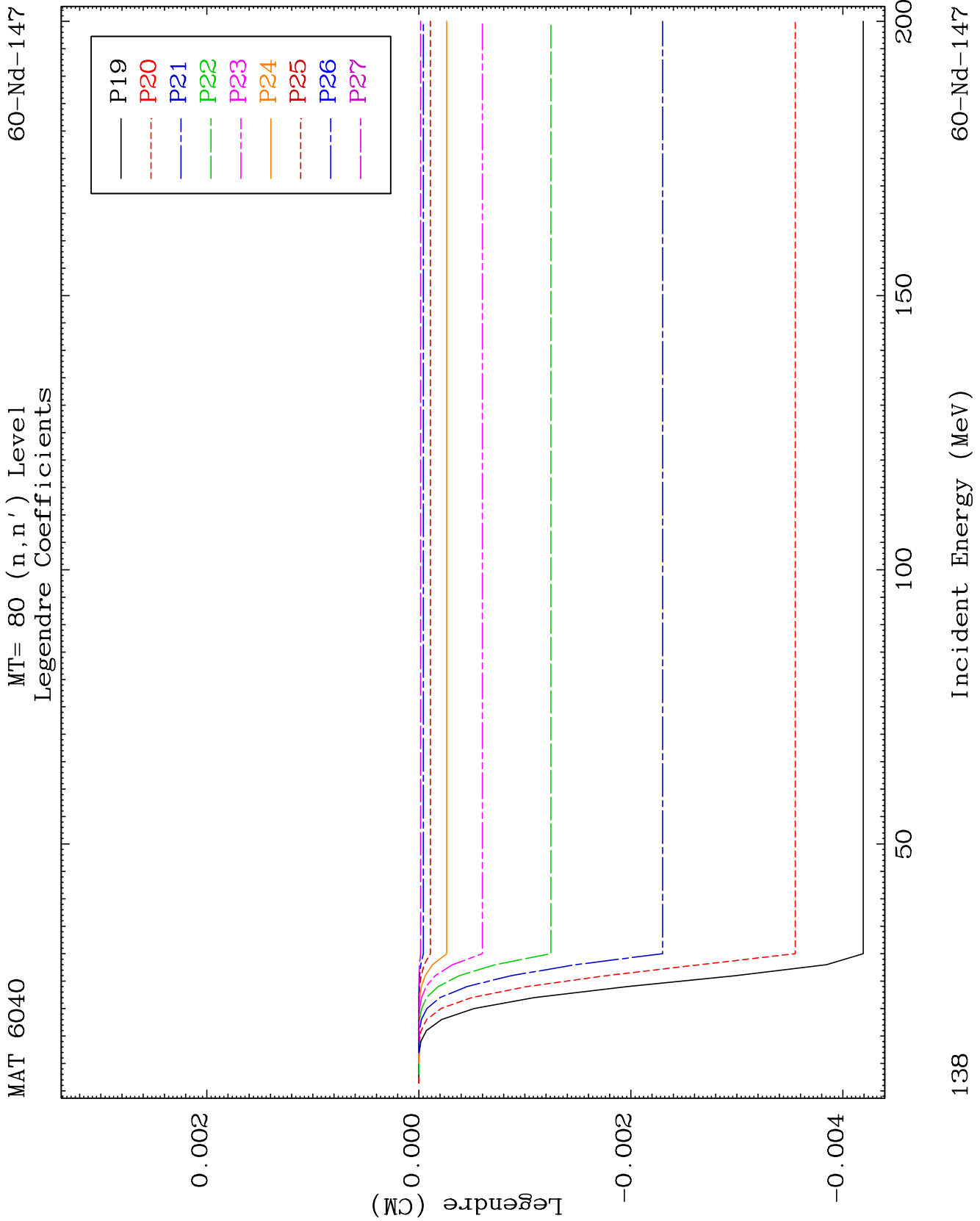
Incident Energy (MeV)

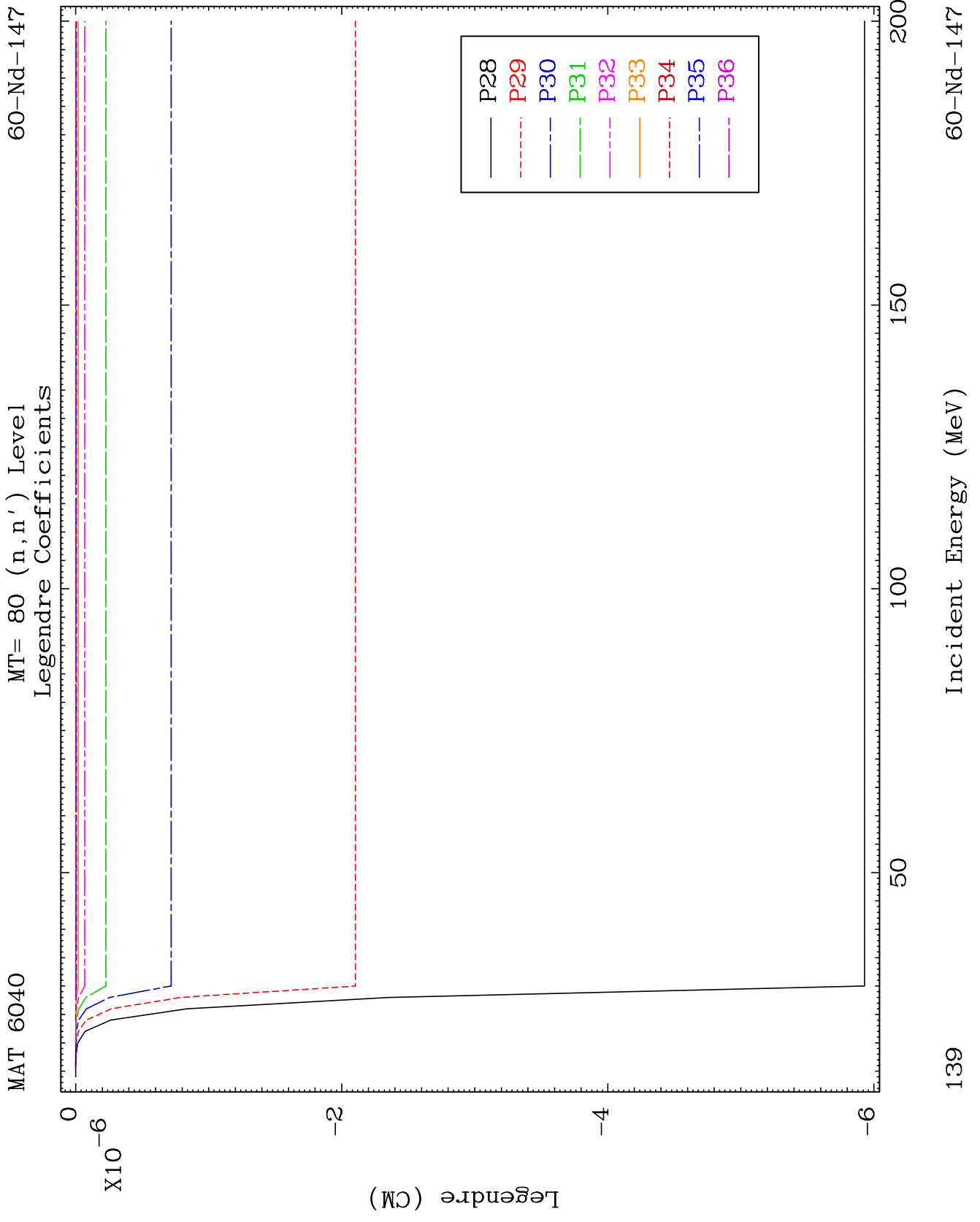
60-Nd-147









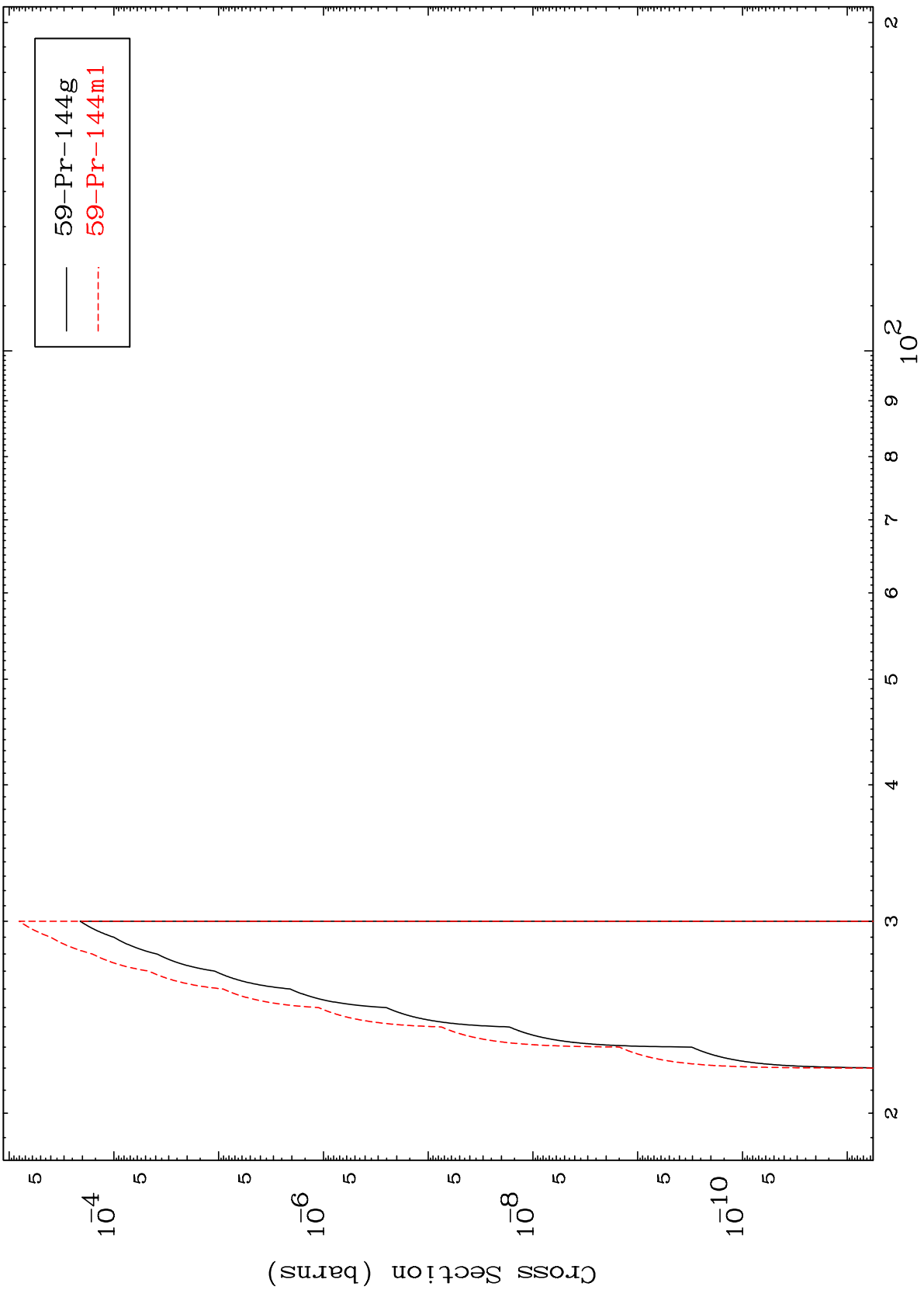


MAT 6040

(n,2n) d

60-Nd-147

Radionuclide Production Cross Section



140

Incident Energy (MeV)

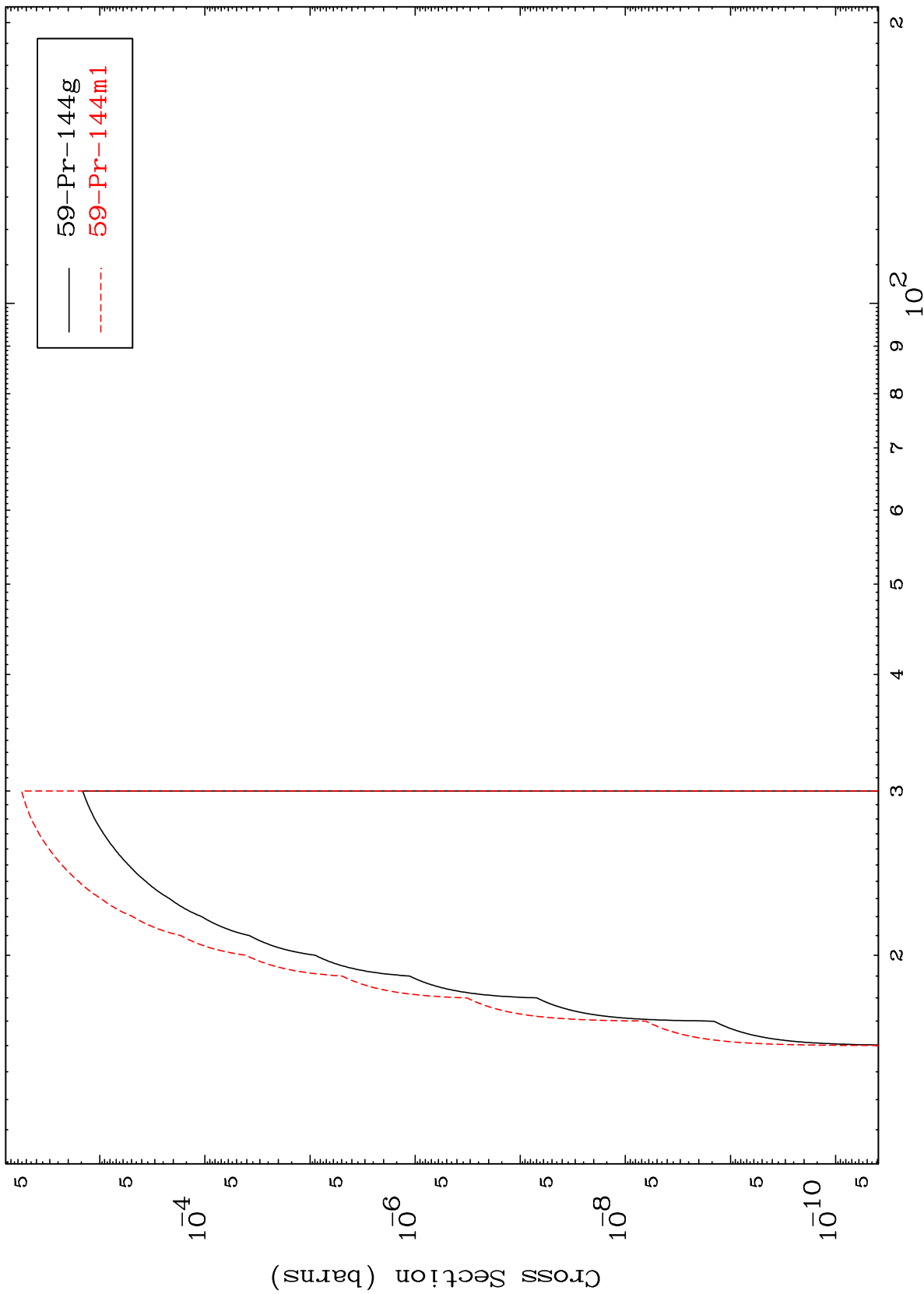
60-Nd-147

MAT 6040

(n,n') t

60-Nd-147

Radionuclide Production Cross Section



141

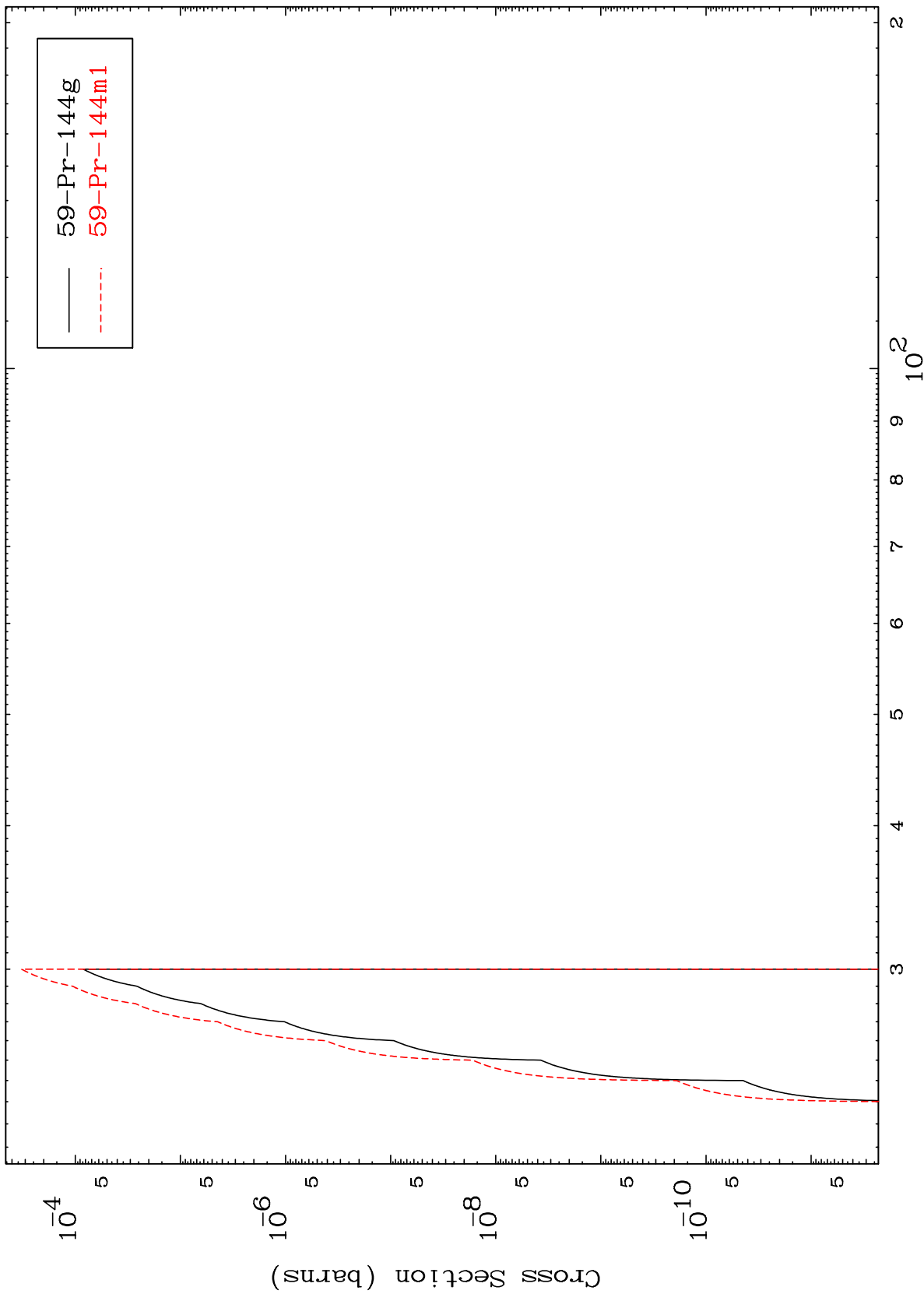
Incident Energy (MeV)

60-Nd-147

MAT 6040

60-Nd-147

(n,3n) p  
Radionuclide Production Cross Section



60-Nd-147

Incident Energy (MeV)

142