

Program EVALPLOT
(Version 2017-1)

by

Dermott E. Cullen
(Present Contact Information)

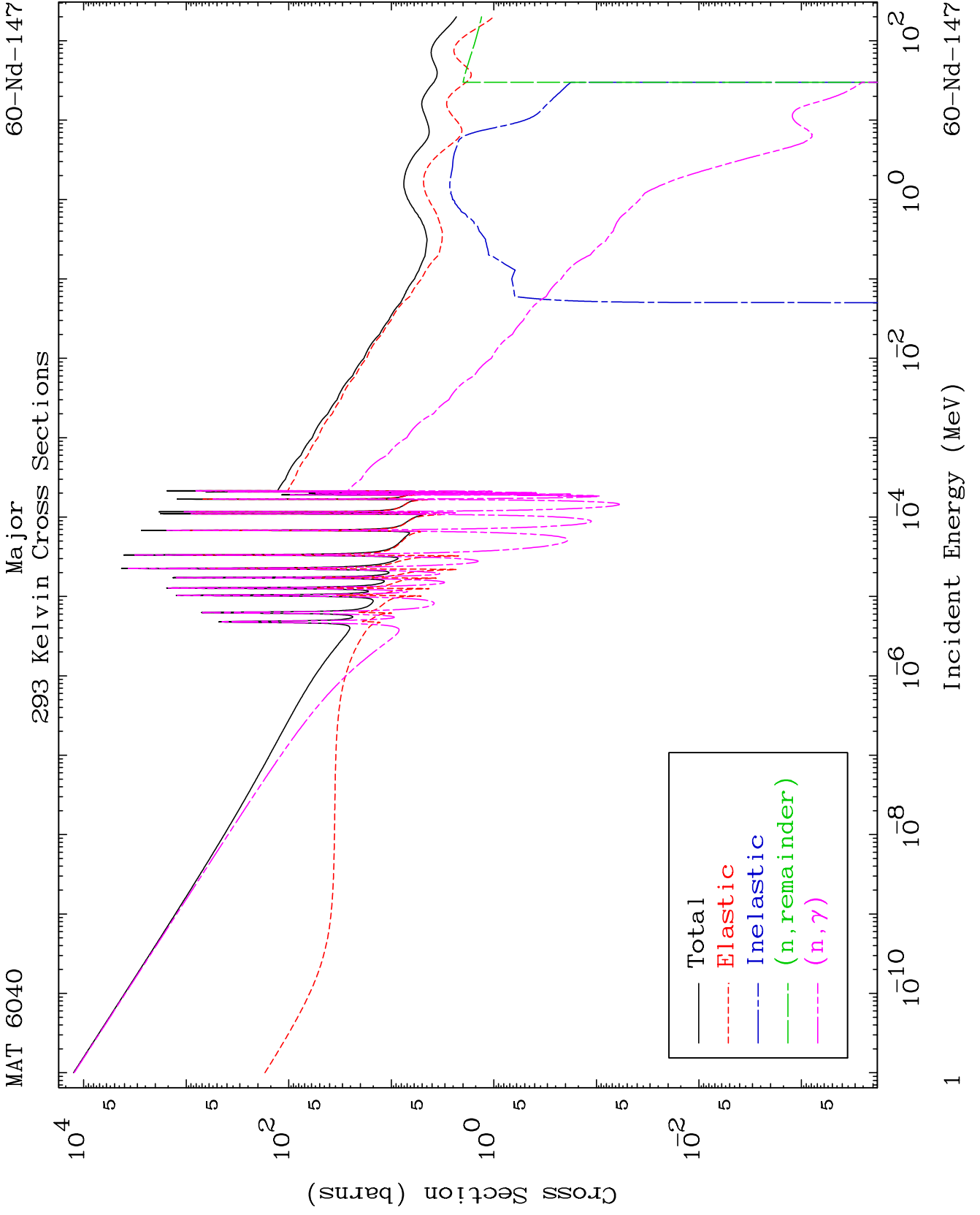
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Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

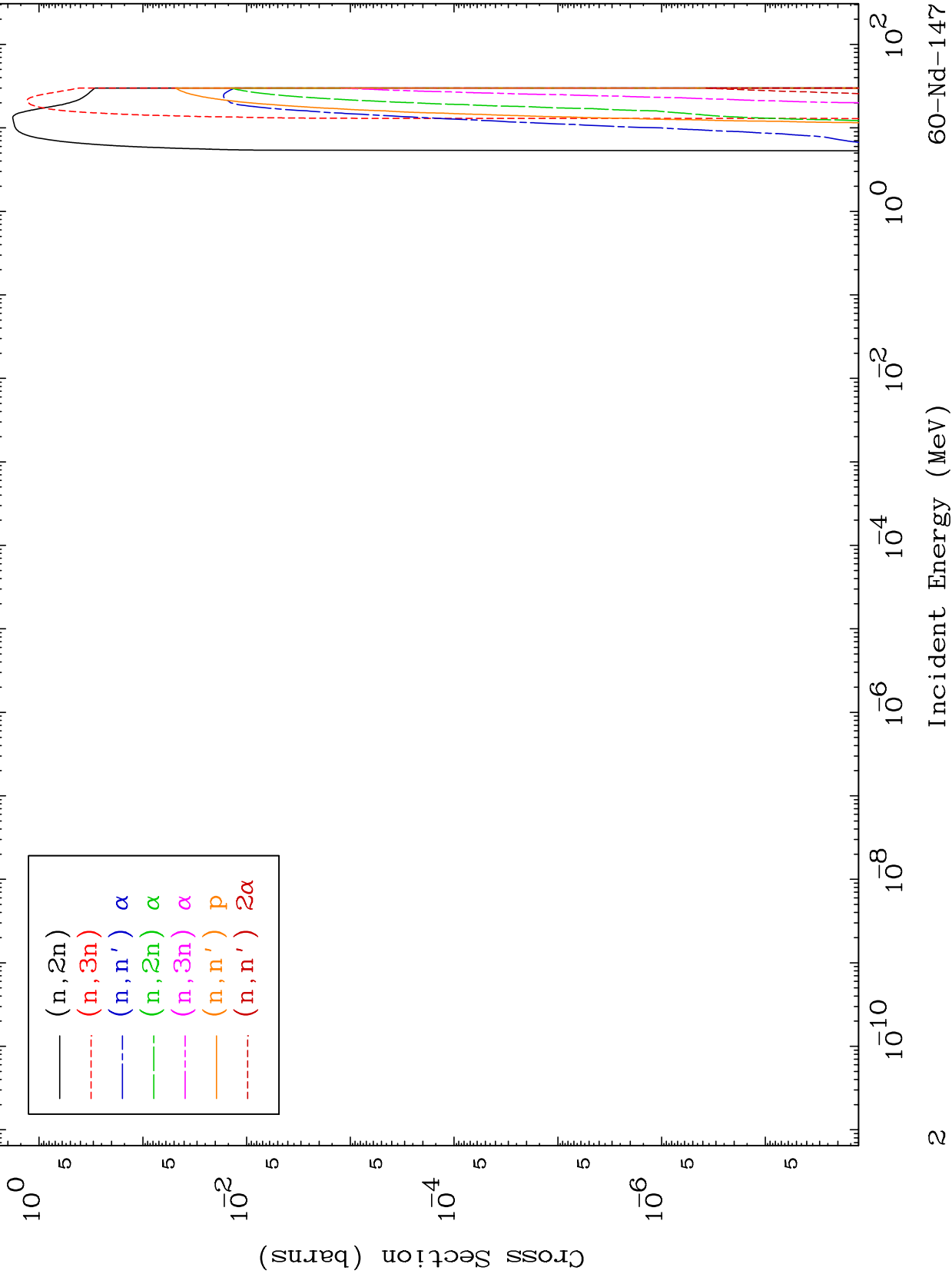
Press Mouse Button to Start

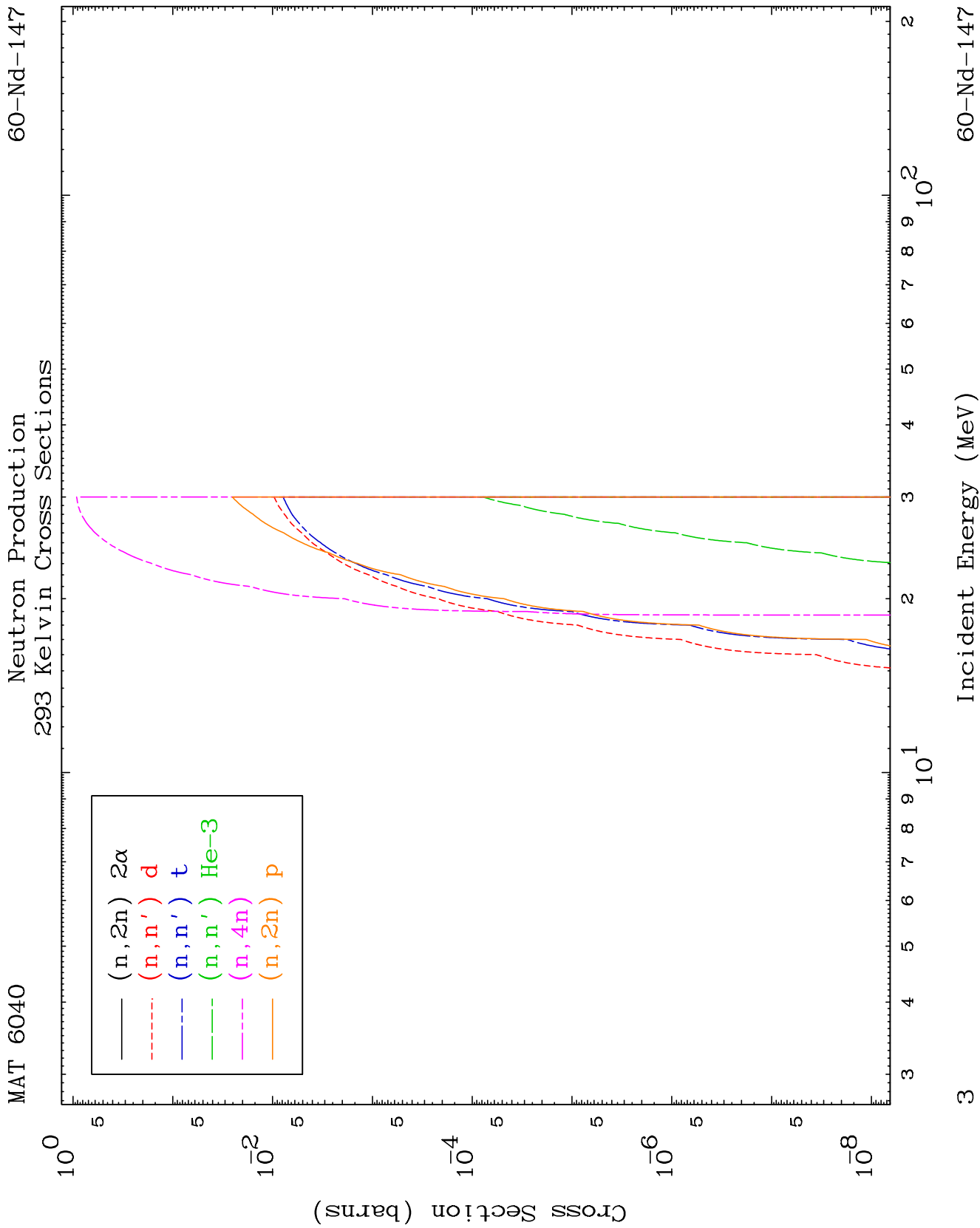


MAT 6040

Neutron Production
293 Kelvin Cross Sections

60-Nd-147

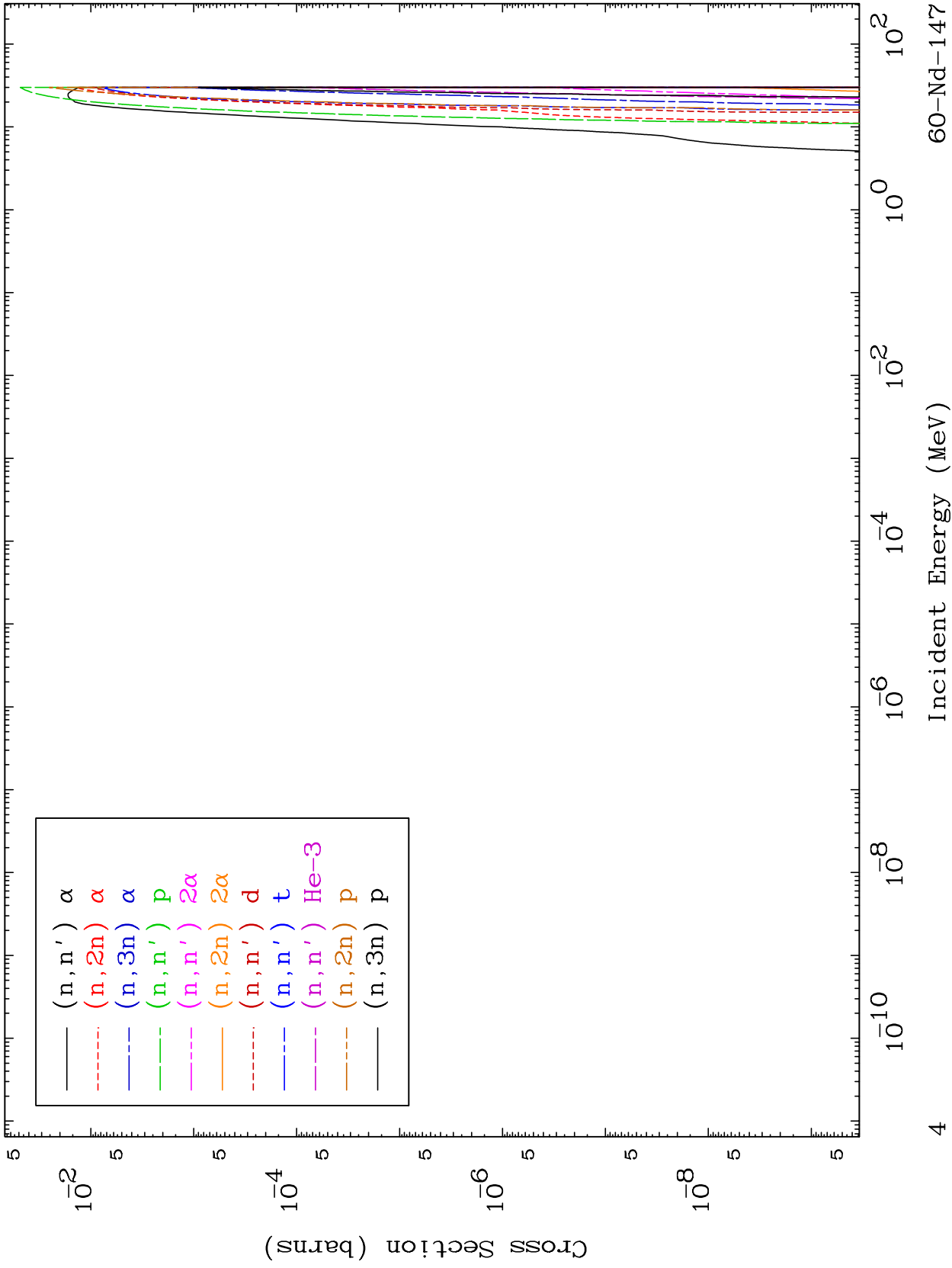




MAT 6040

Charged Particle
293 Kelvin Cross Sections

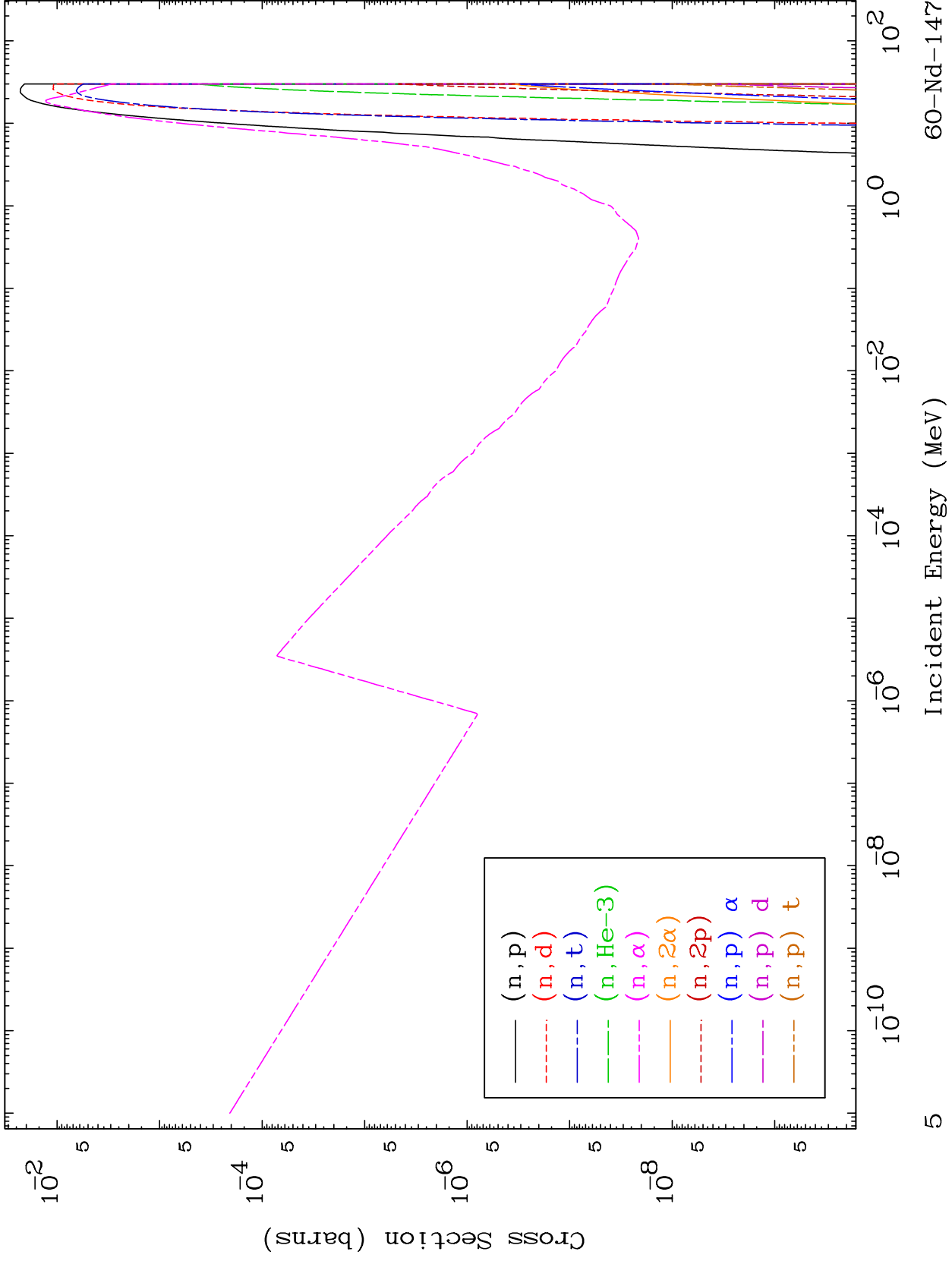
60-Nd-147

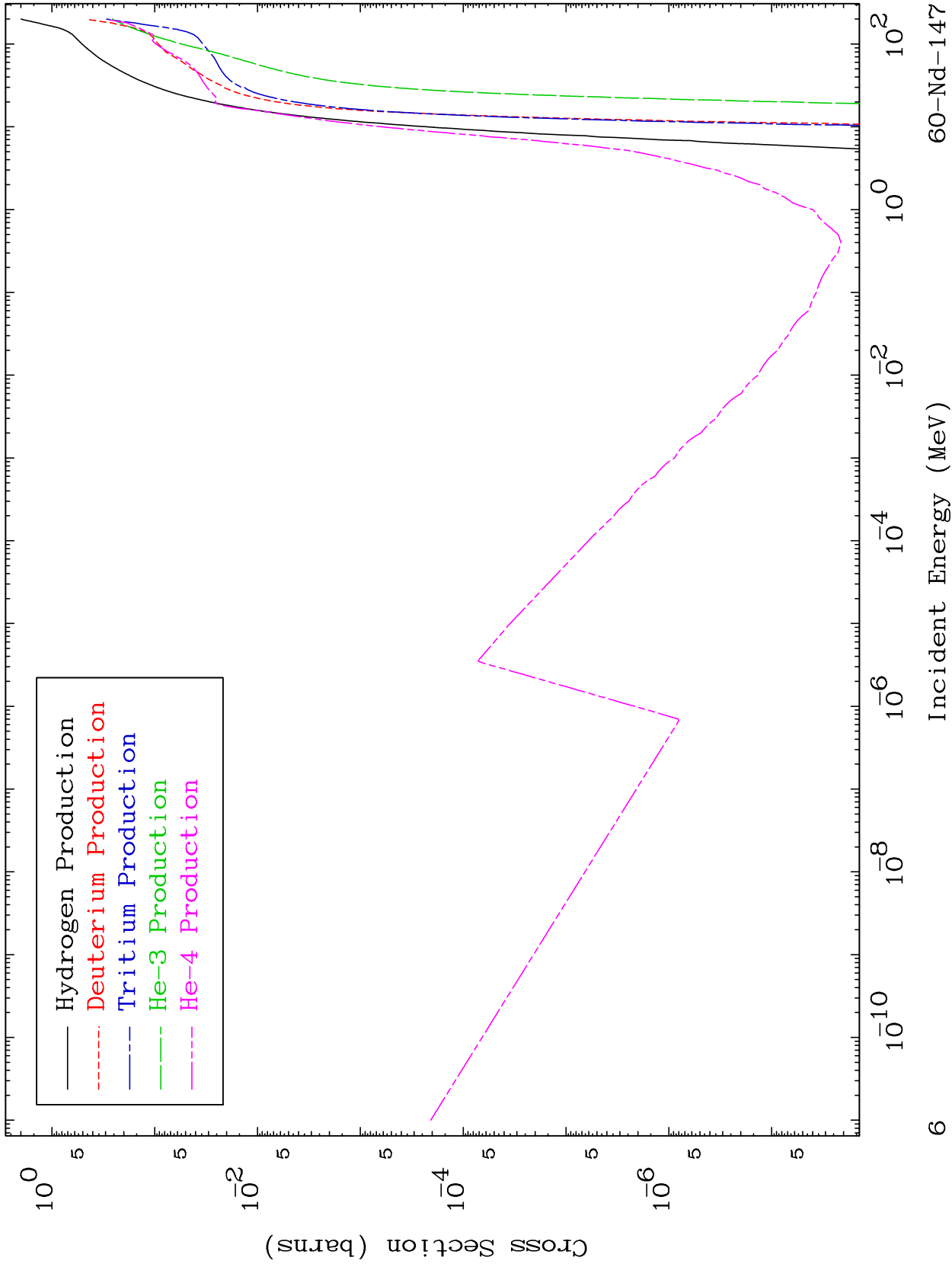


MAT 6040

Charged Particle
293 Kelvin Cross Sections

60-Nd-147



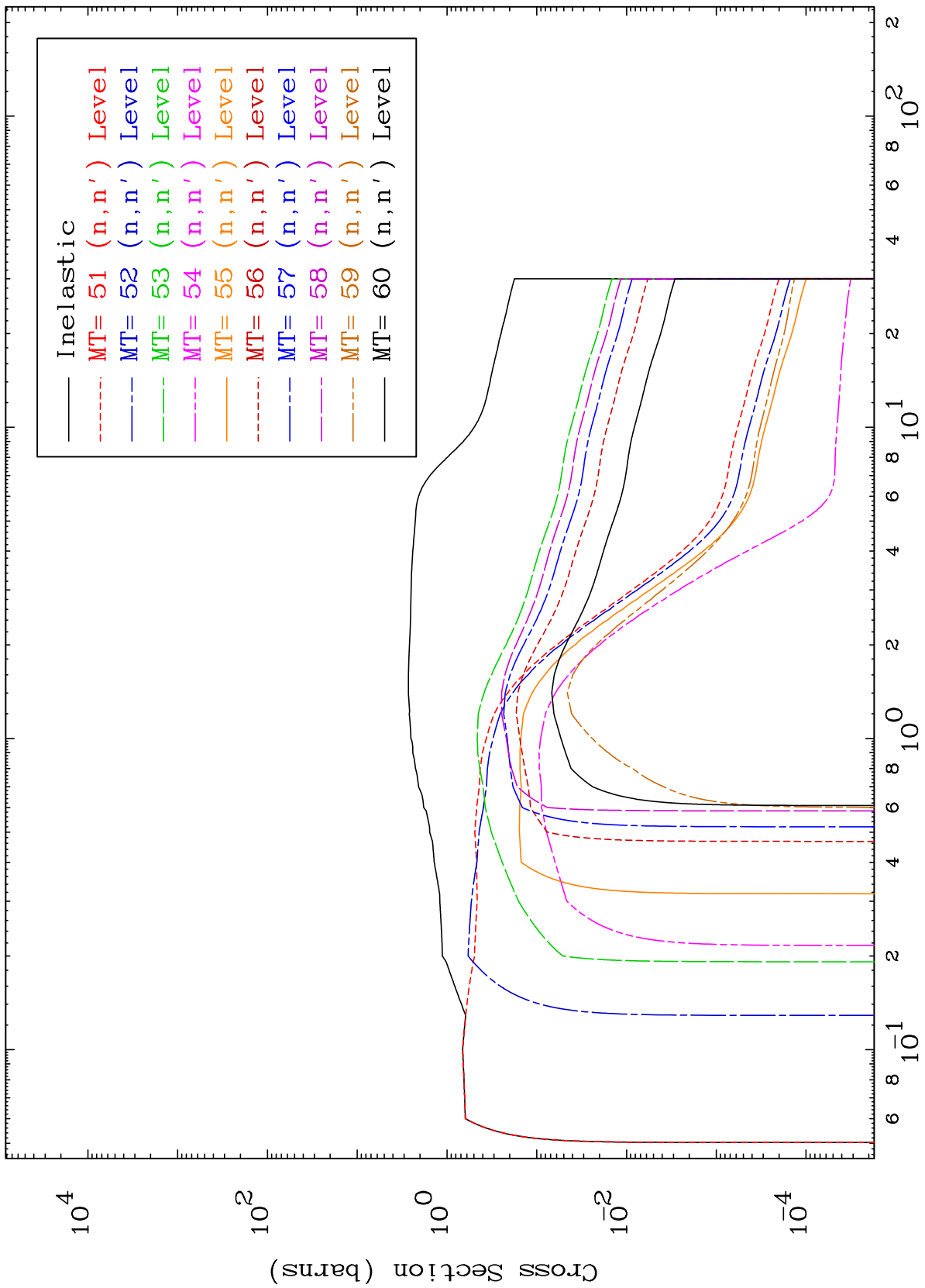


MAT 6040

(n,n') Level

60-Nd-147

293 Kelvin Cross Sections

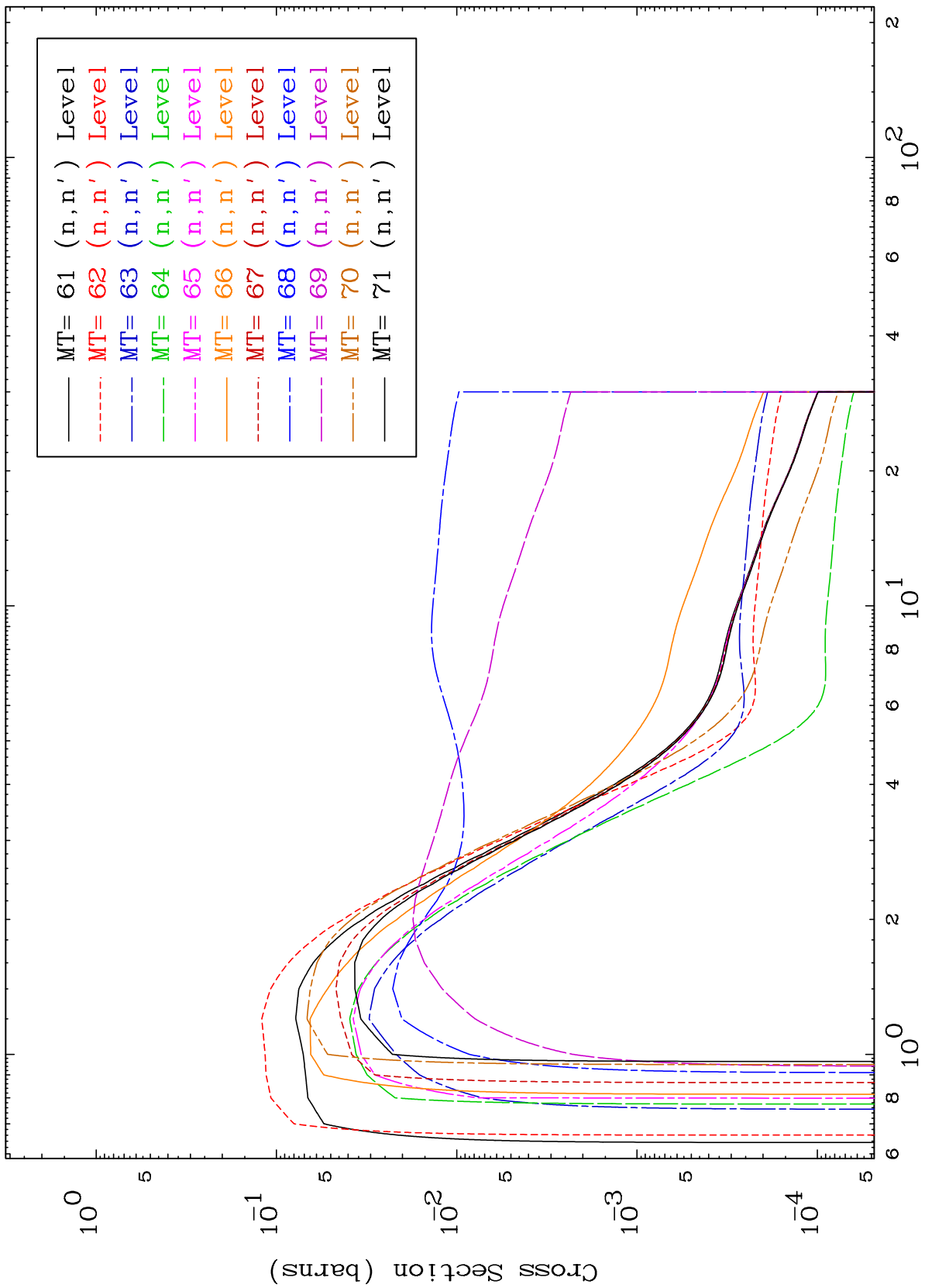


MAT 6040

(n,n') Level

60-Nd-147

293 Kelvin Cross Sections



Incident Energy (MeV)

60-Nd-147

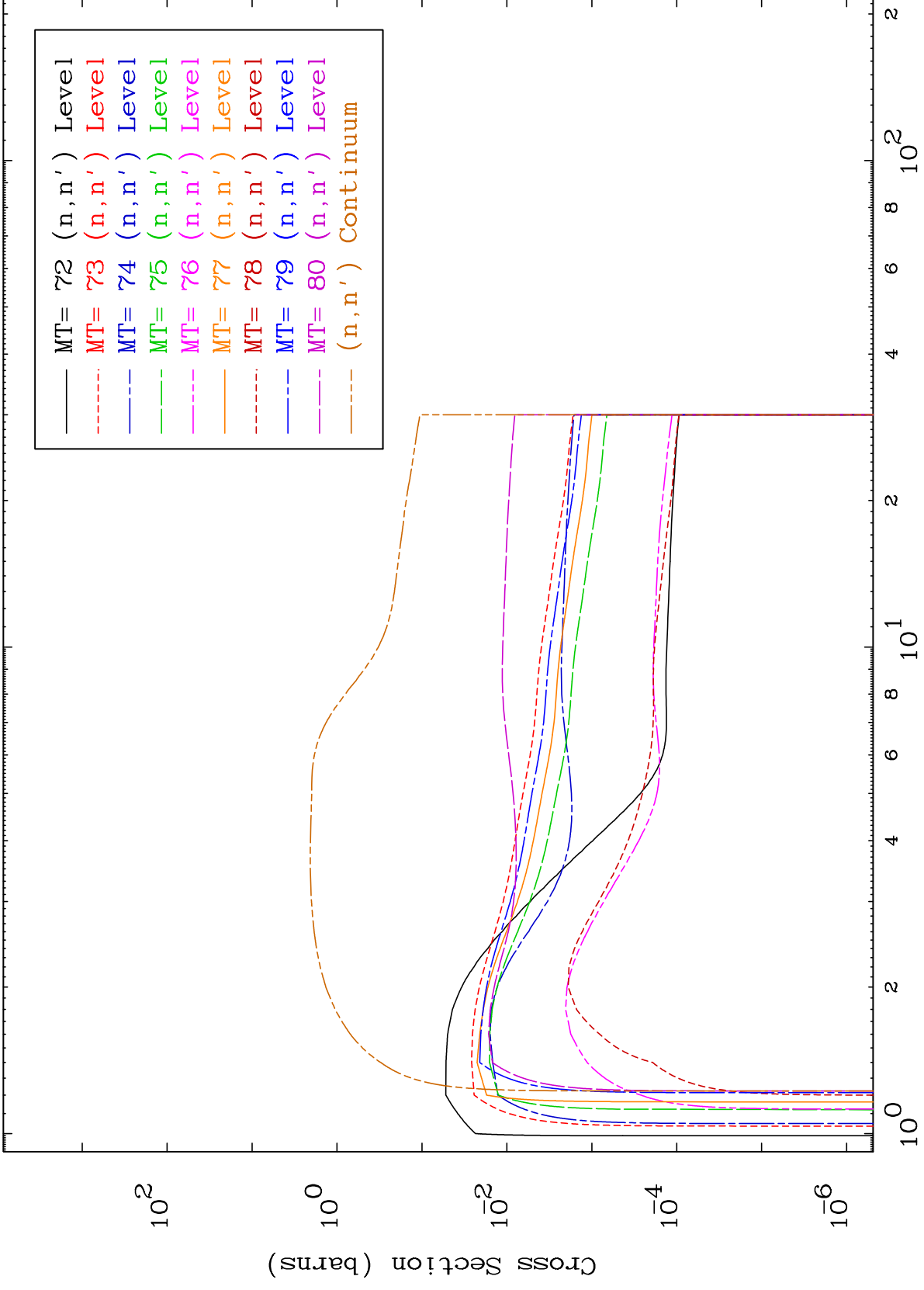
8

MAT 6040

(n,n') Level

60-Nd-147

293 Kelvin Cross Sections



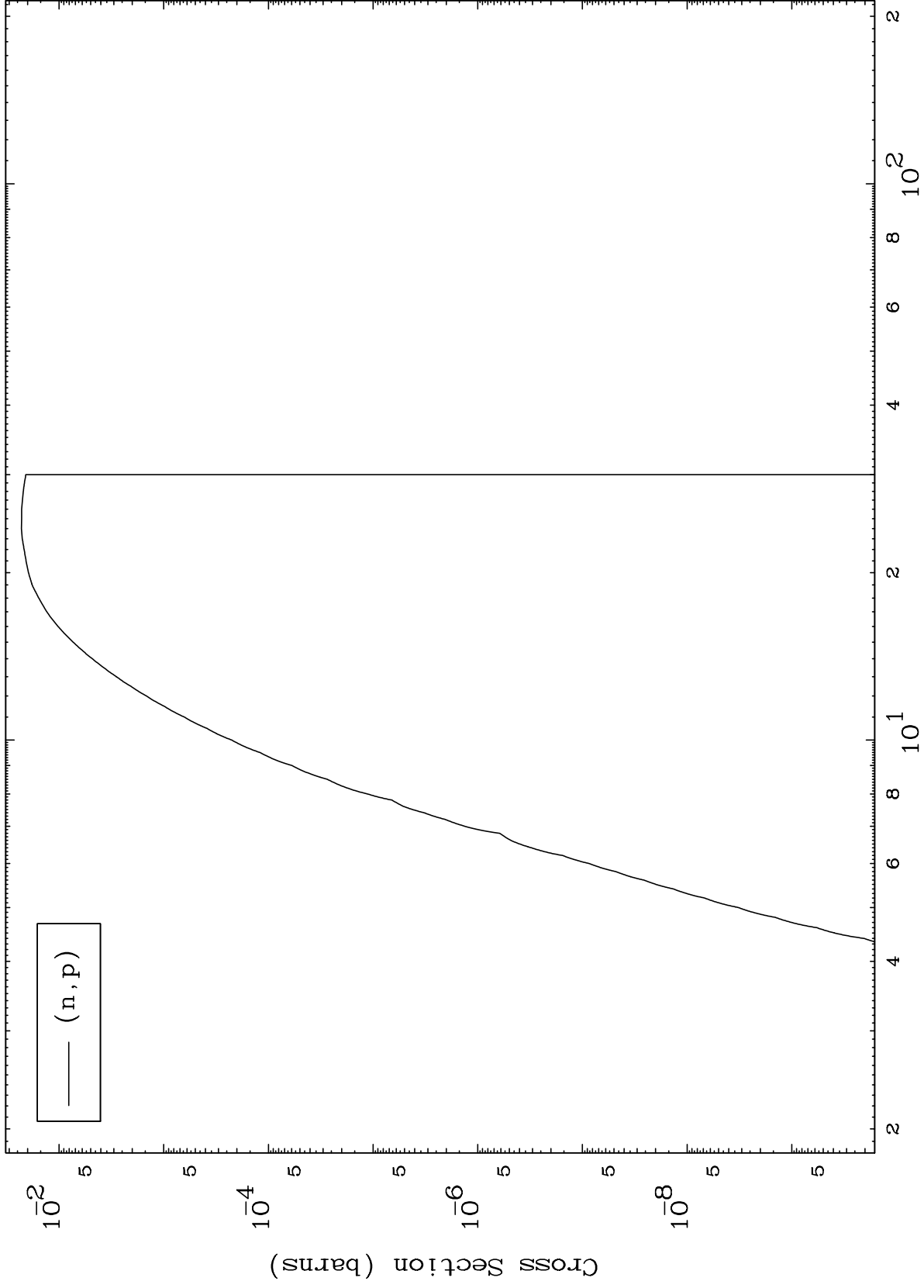
Incident Energy (MeV)

60-Nd-147

MAT 6040

(n,p) Levels
293 Kelvin Cross Sections

60-Nd-147



10

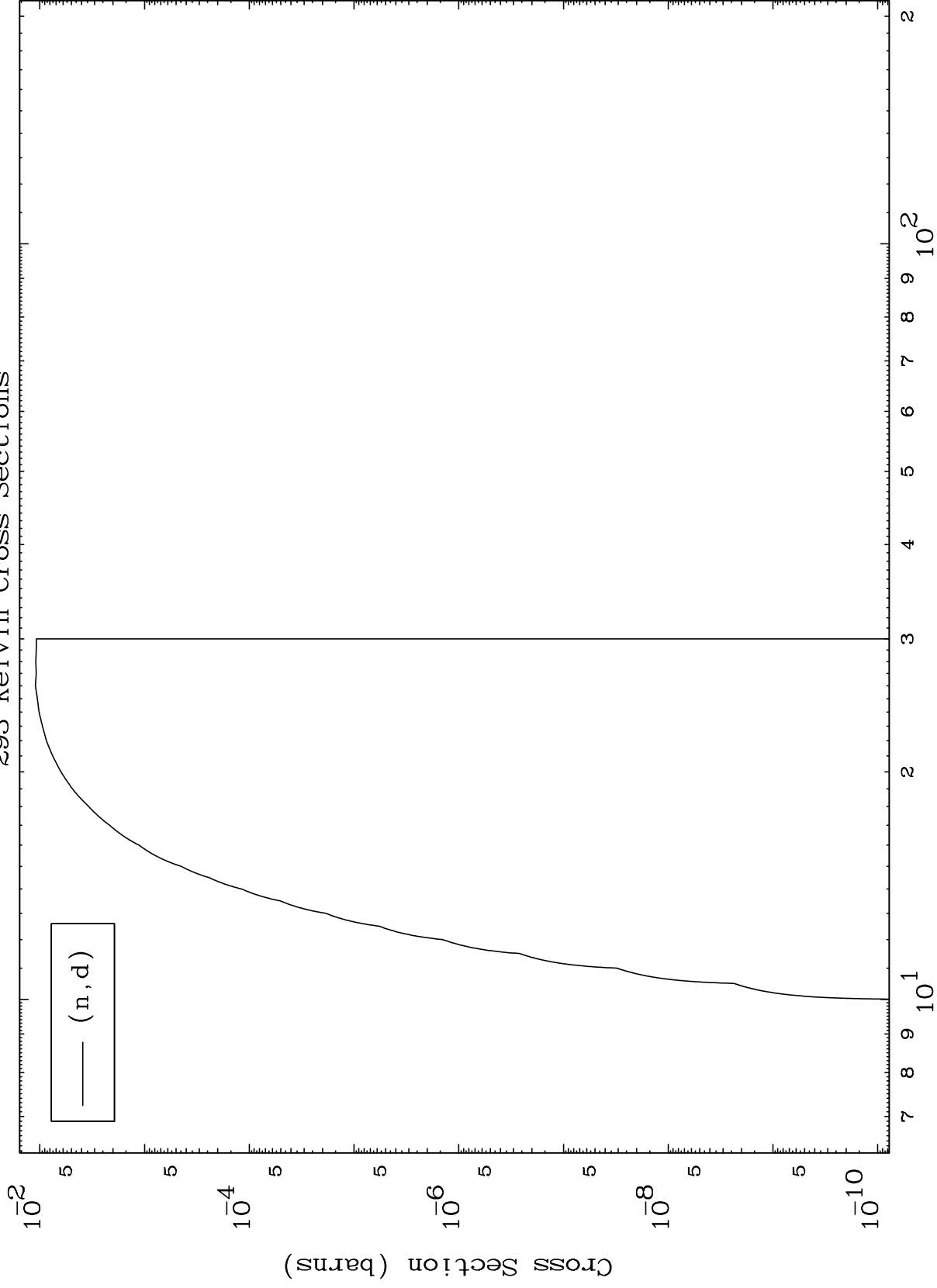
Incident Energy (MeV)

60-Nd-147

MAT 6040

(n,d) Levels
293 Kelvin Cross Sections

60-Nd-147



11

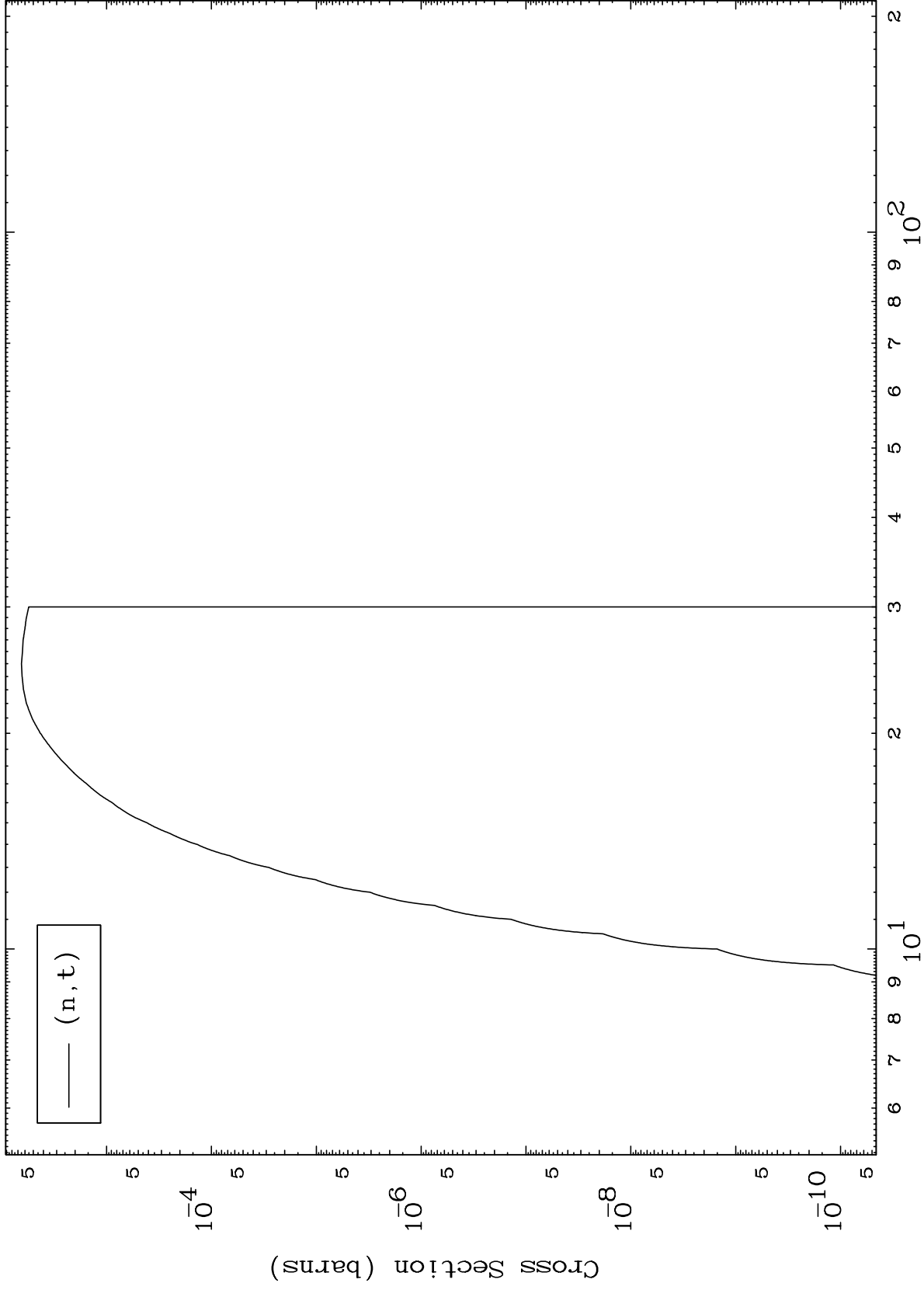
Incident Energy (MeV)

60-Nd-147

MAT 6040

(n,t) Levels
293 Kelvin Cross Sections

60-Nd-147



12

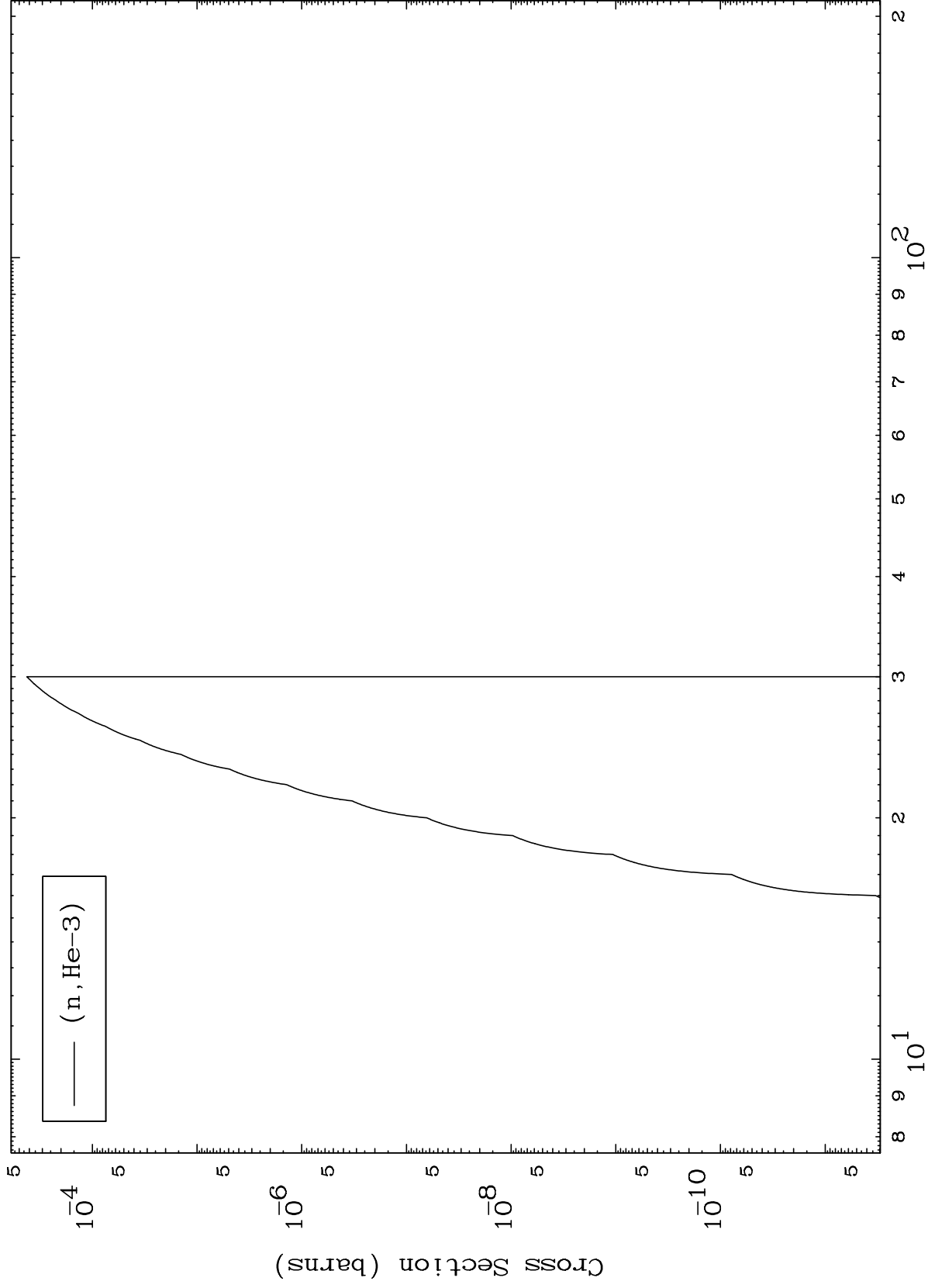
Incident Energy (MeV)

60-Nd-147

MAT 6040

(n,He3) Levels
293 Kelvin Cross Sections

60-Nd-147



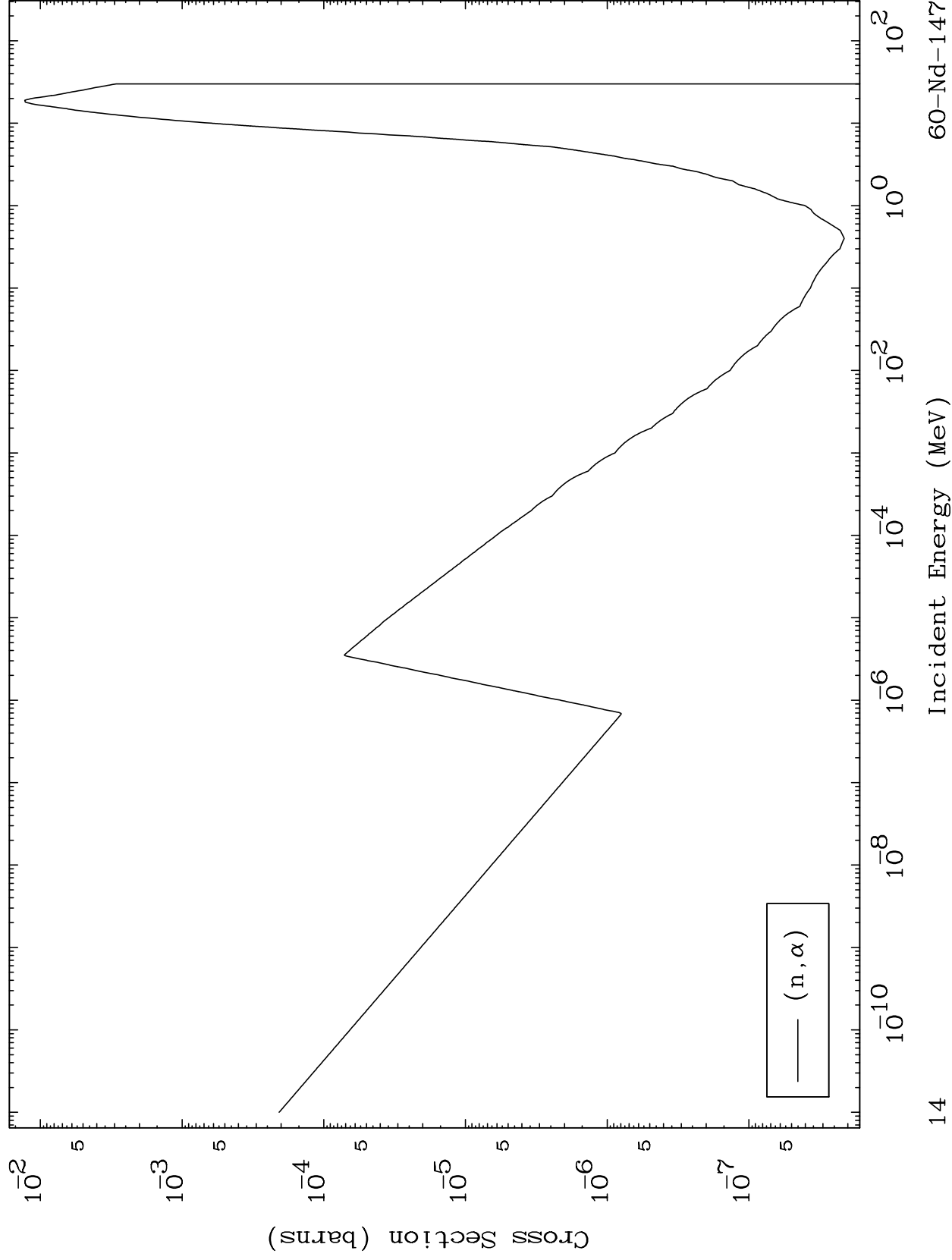
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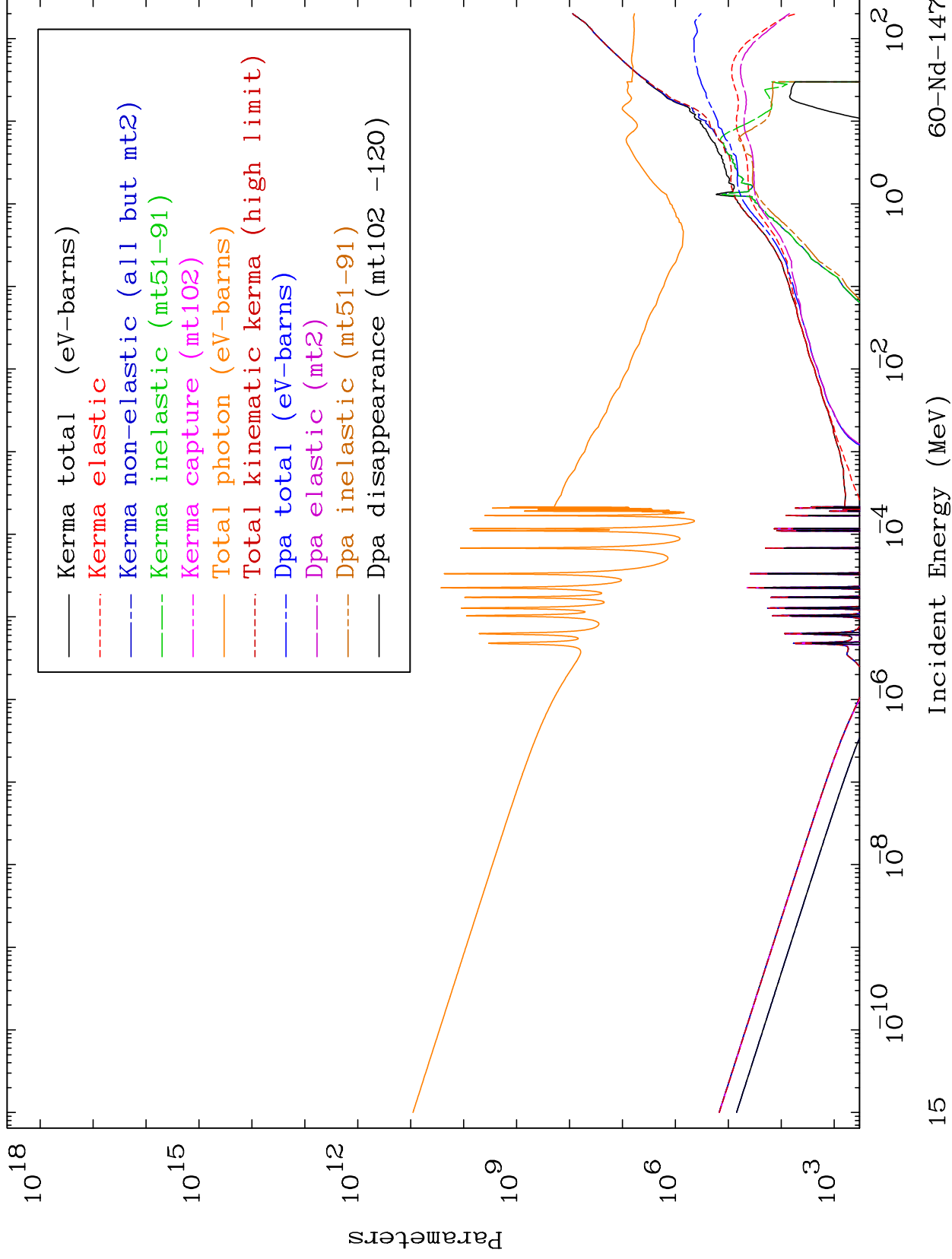
13

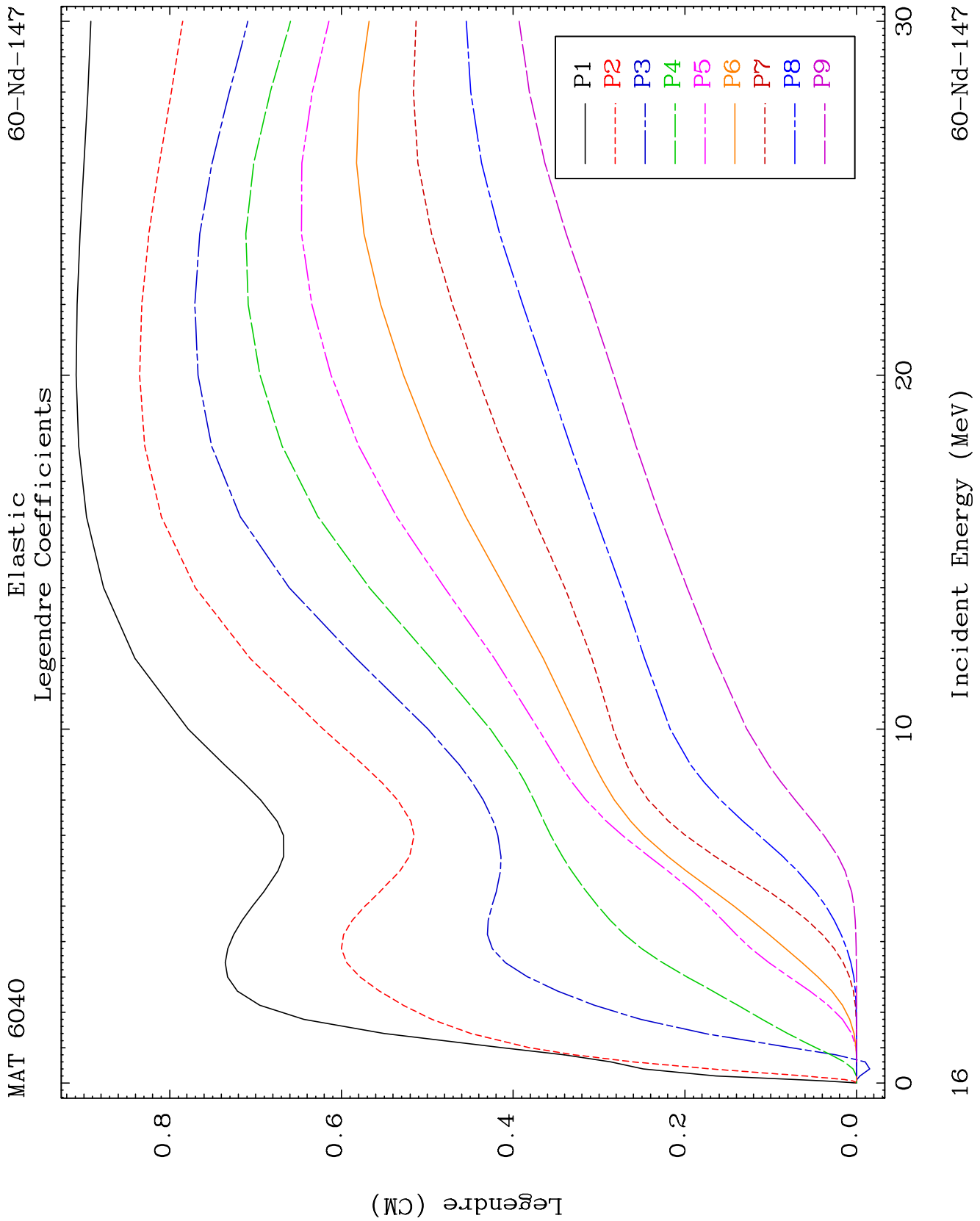
MAT 6040

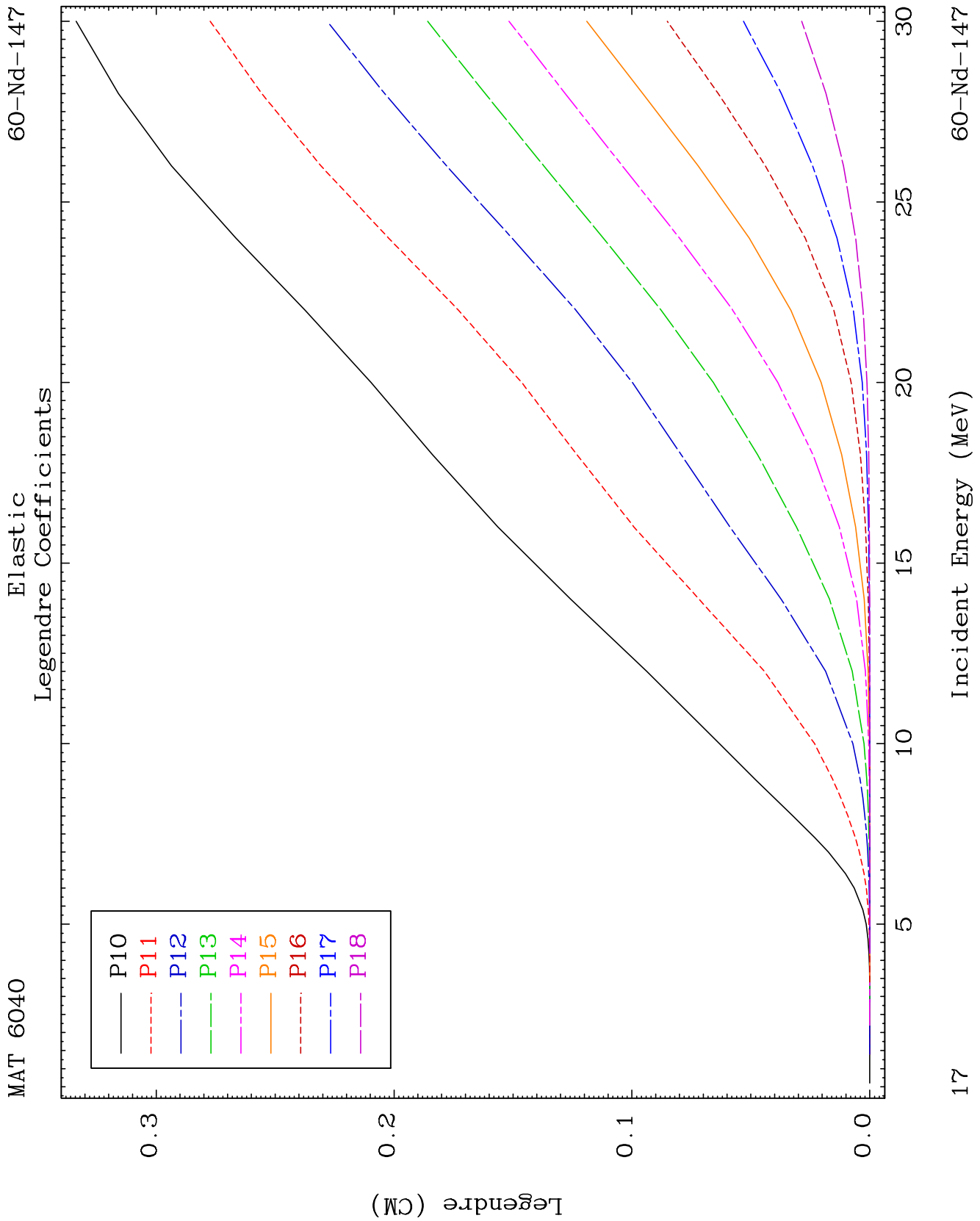
(n, α) Levels
293 Kelvin Cross Sections

60-Nd-147





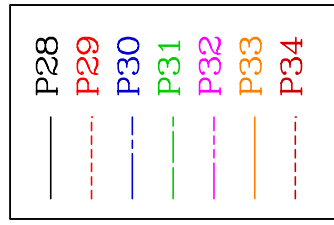




MAT 6040

Elastic
Legendre Coefficients

60-Nd-147



$\times 10^{-6}$

1.5

1.0

0.5

0.0

Legendre (CM)

15

20

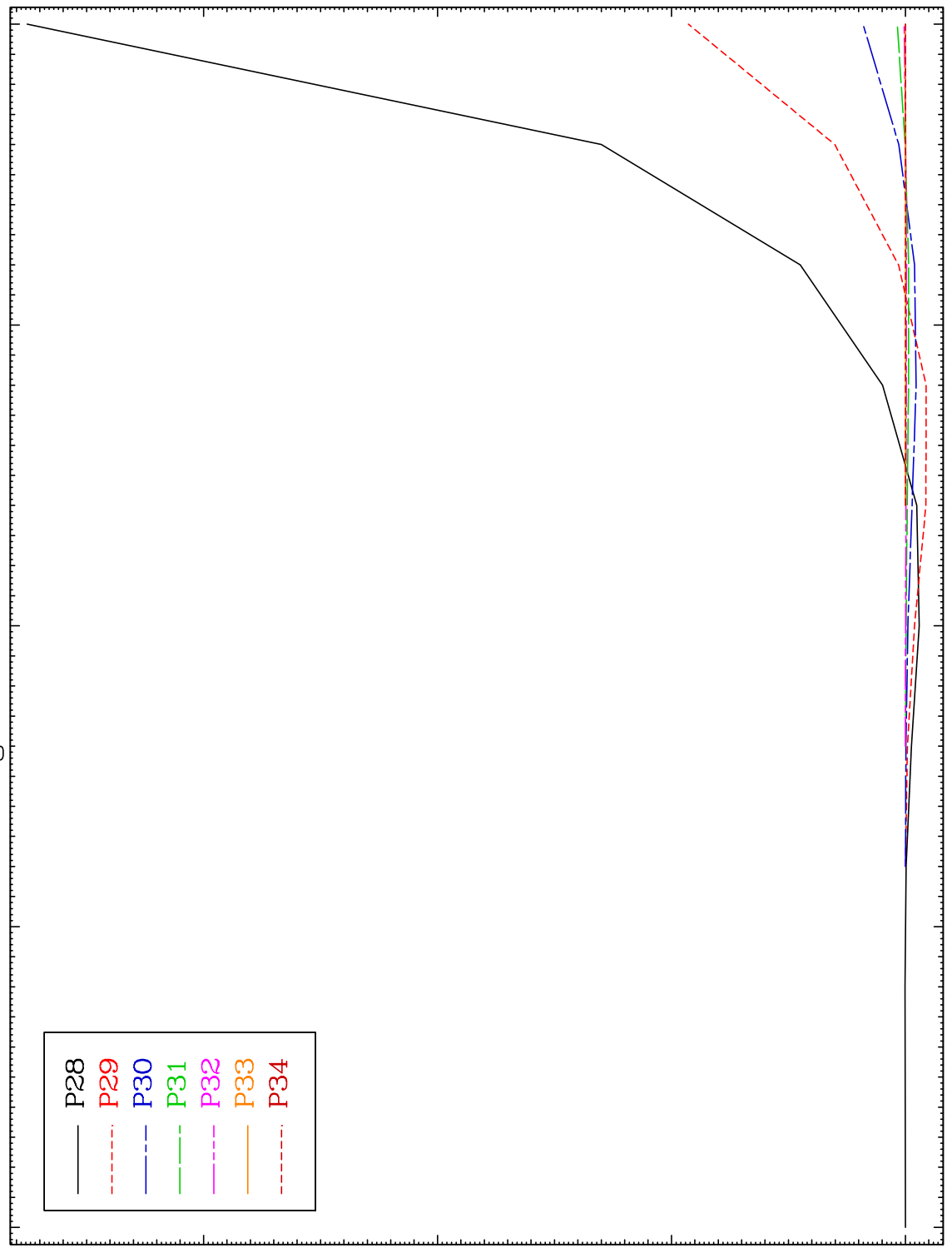
25

30

19

Incident Energy (MeV)

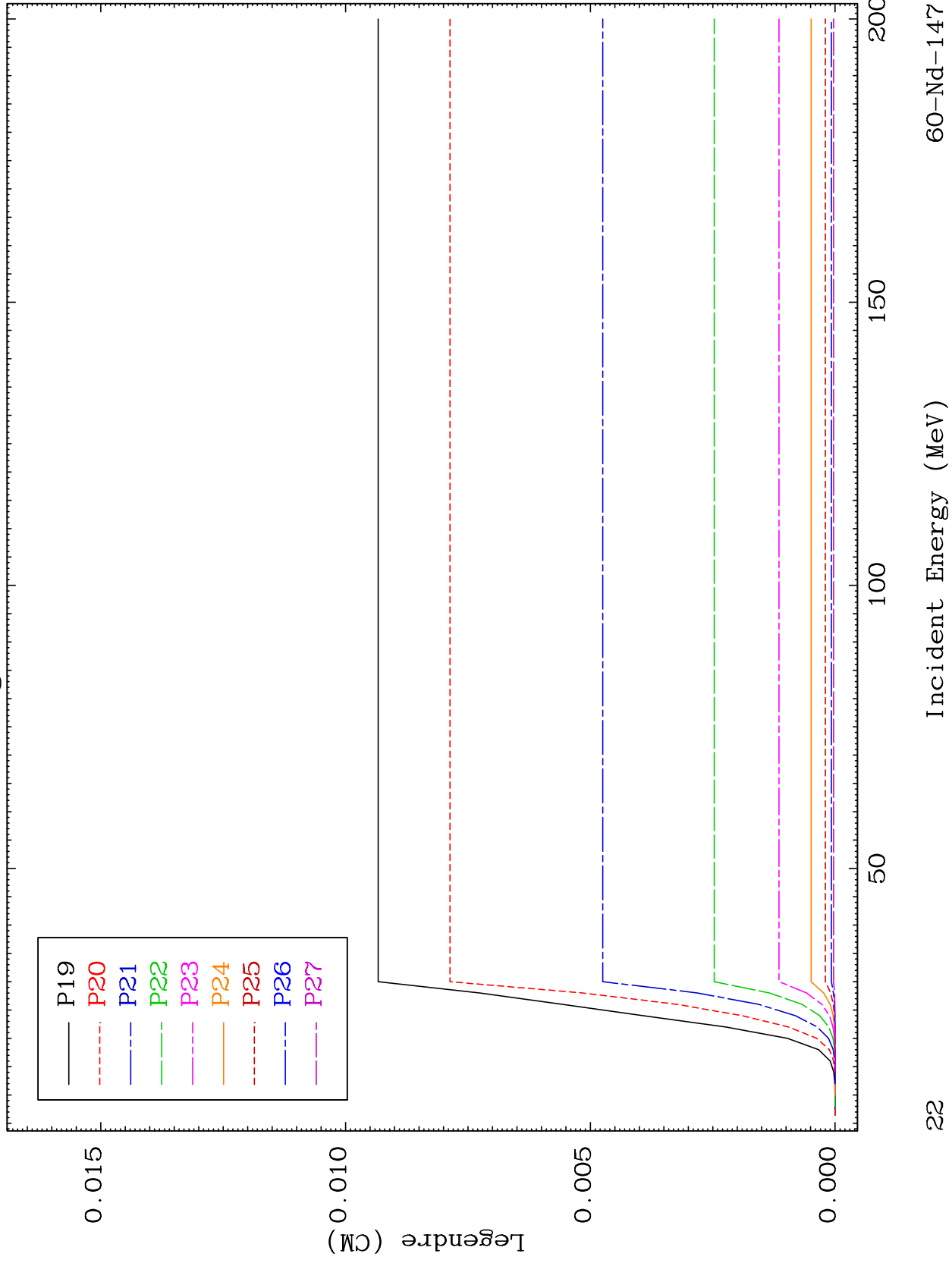
60-Nd-147



MAT 6040

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

60-Nd-147



22

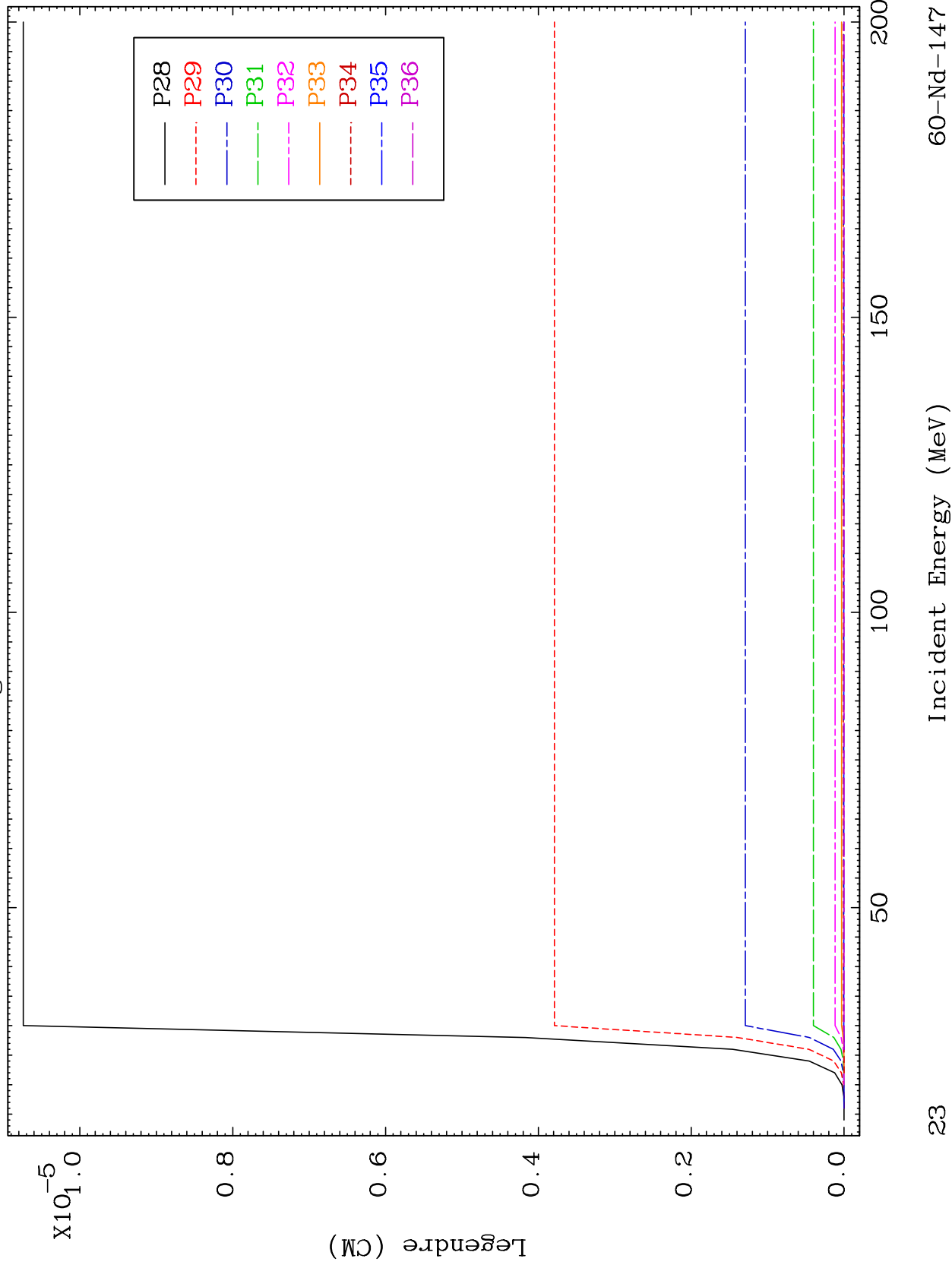
Incident Energy (MeV)

60-Nd-147

MAT 6040

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

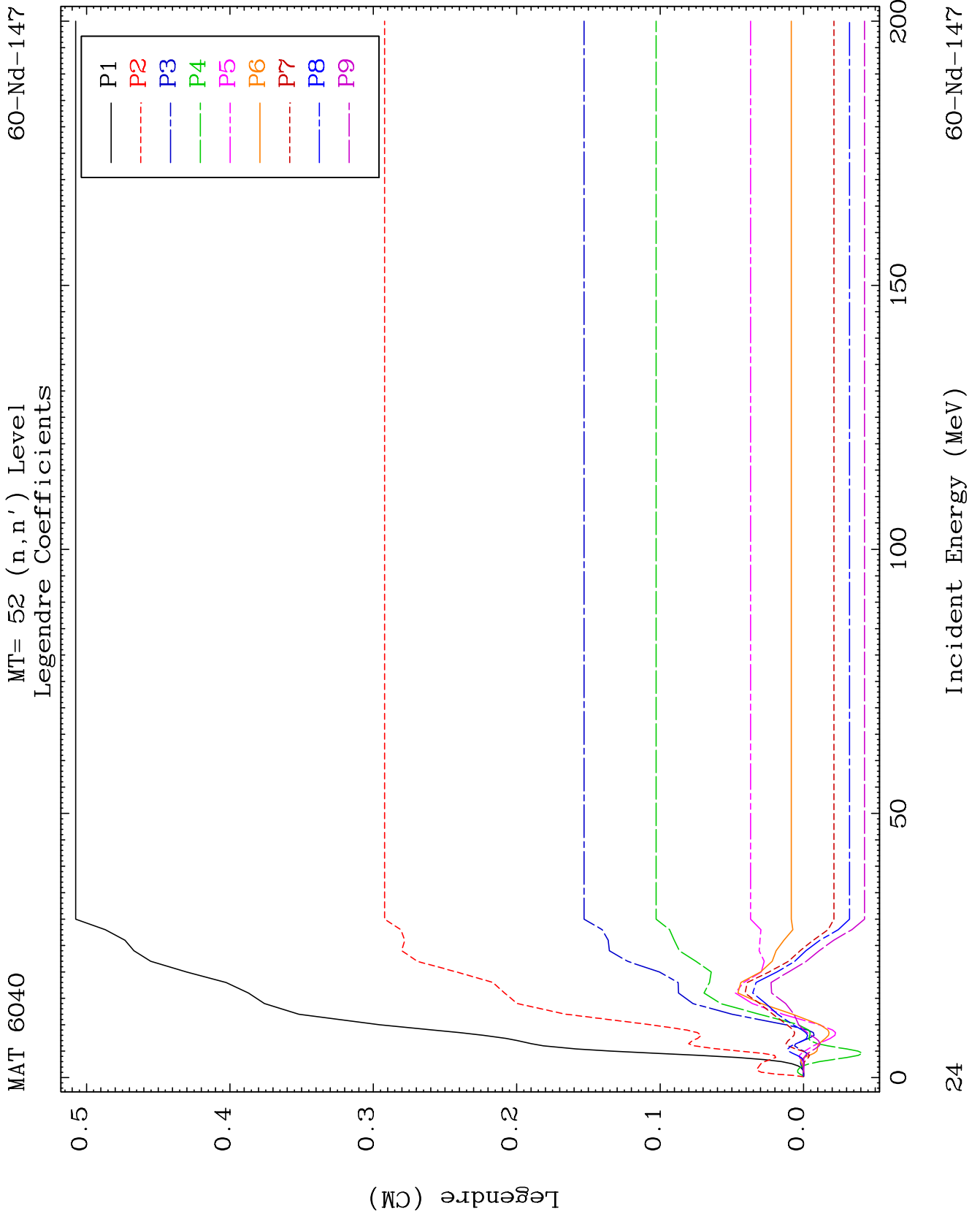
60-Nd-147

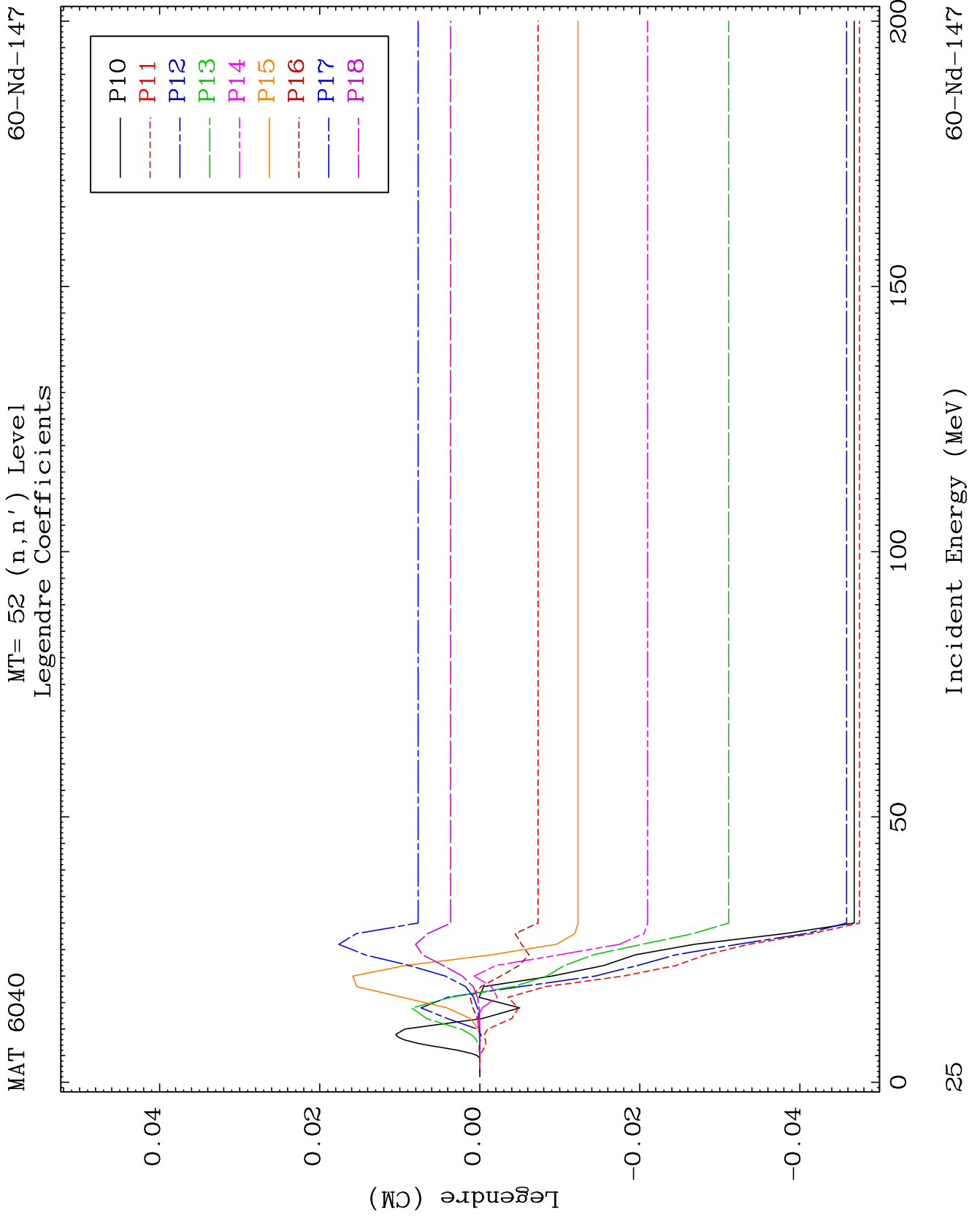


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Incident Energy (MeV)

60-Nd-147

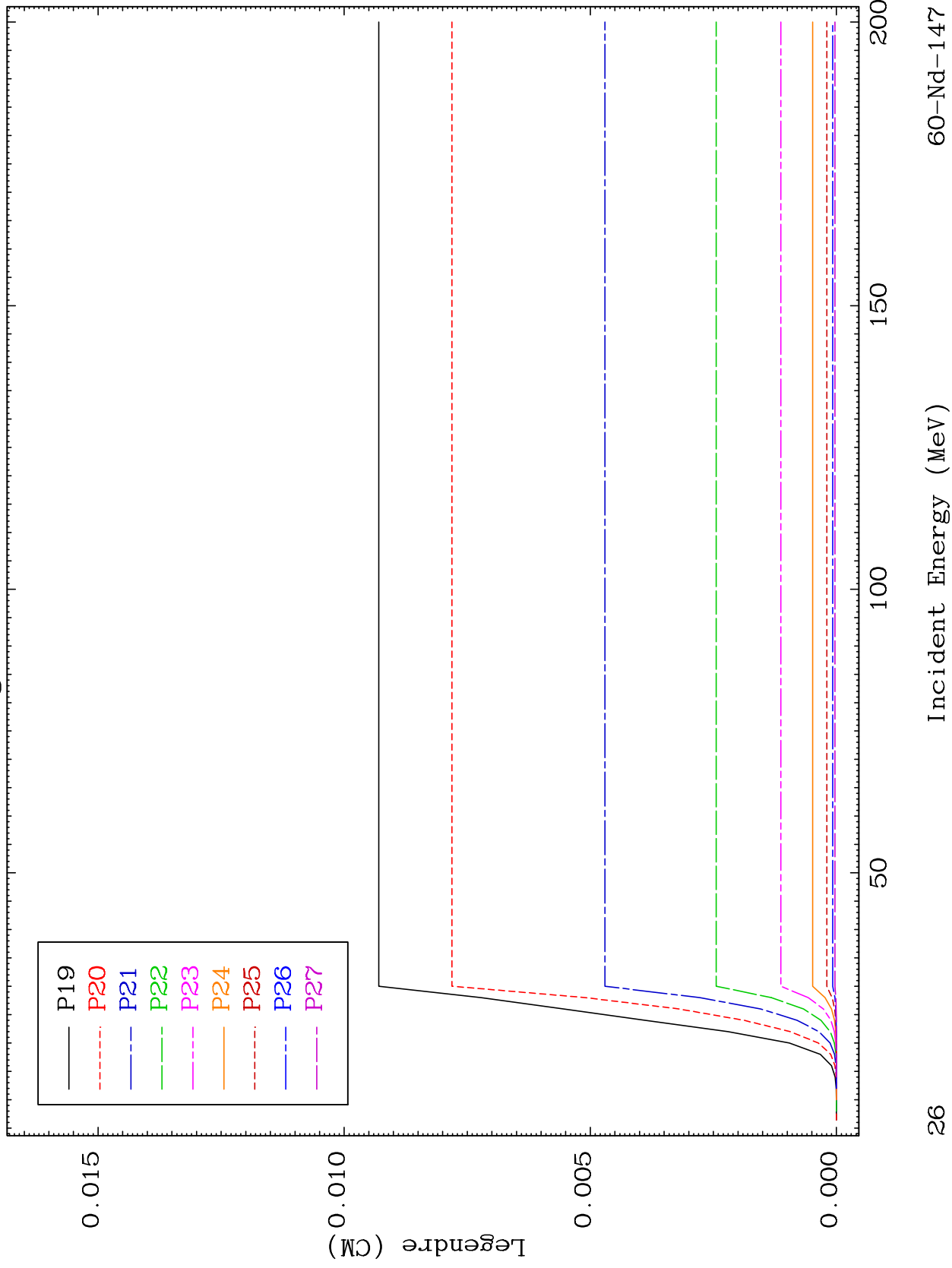




MAT 6040

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

60-Nd-147



26

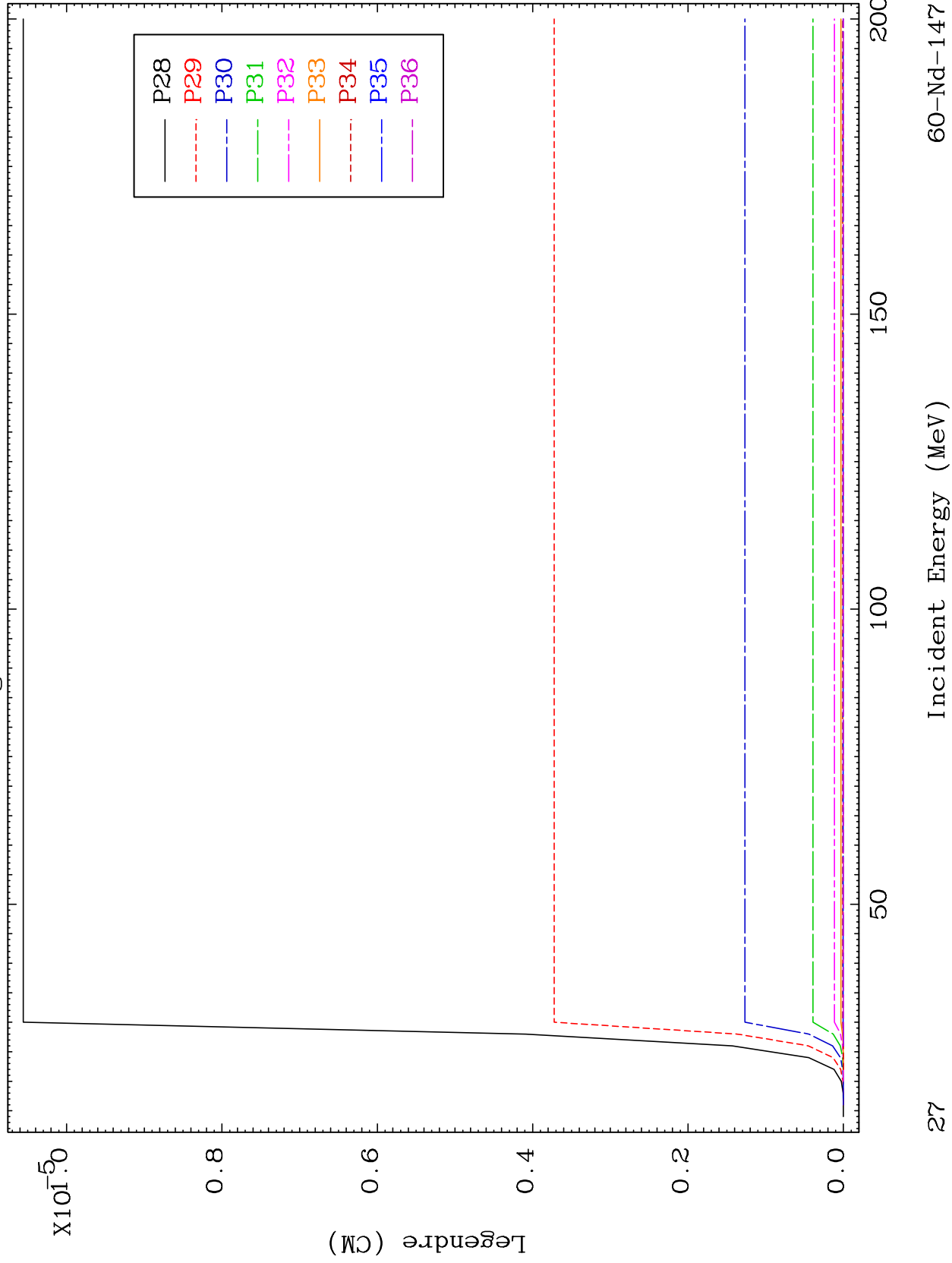
Incident Energy (MeV)

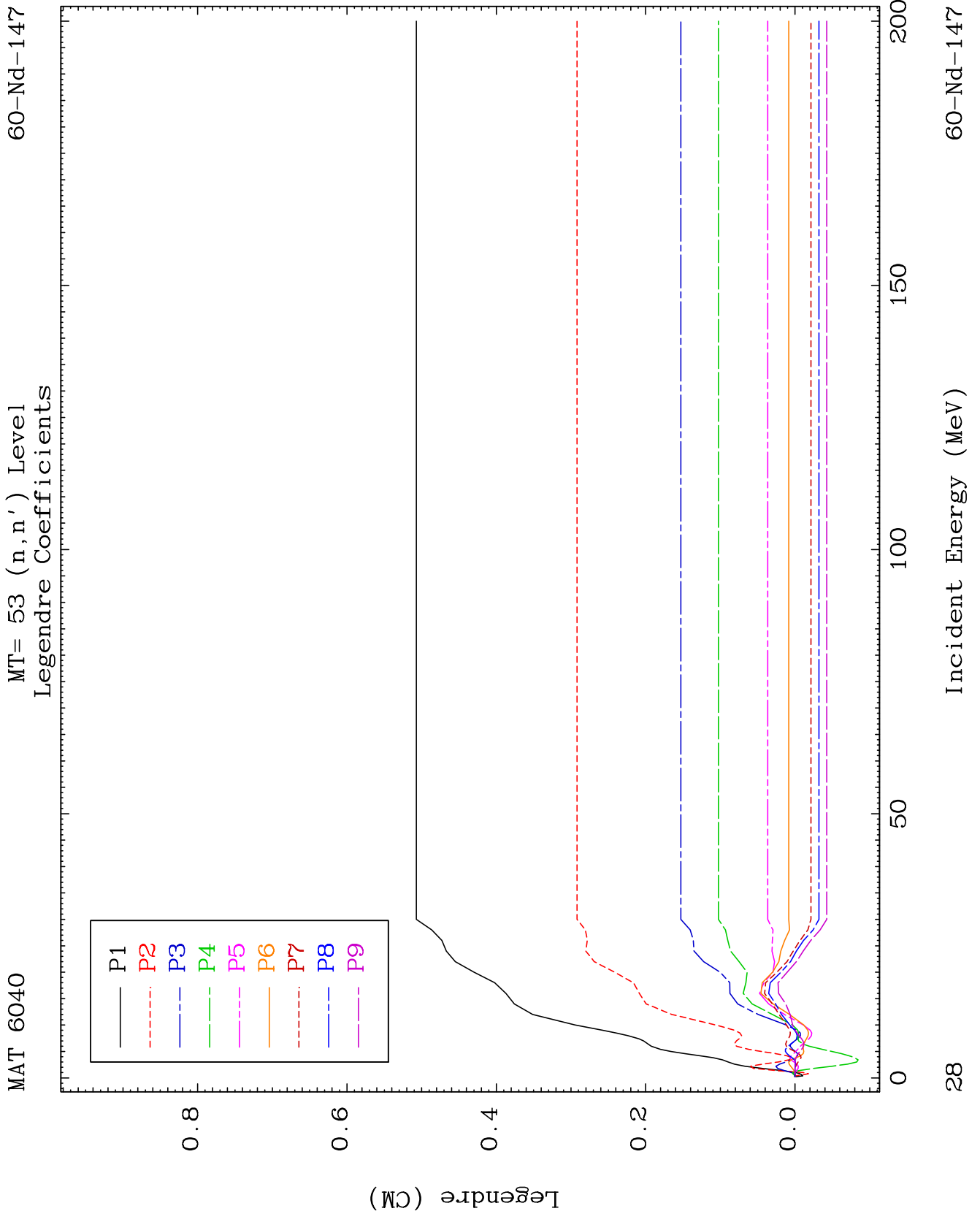
60-Nd-147

MAT 6040

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

60-Nd-147

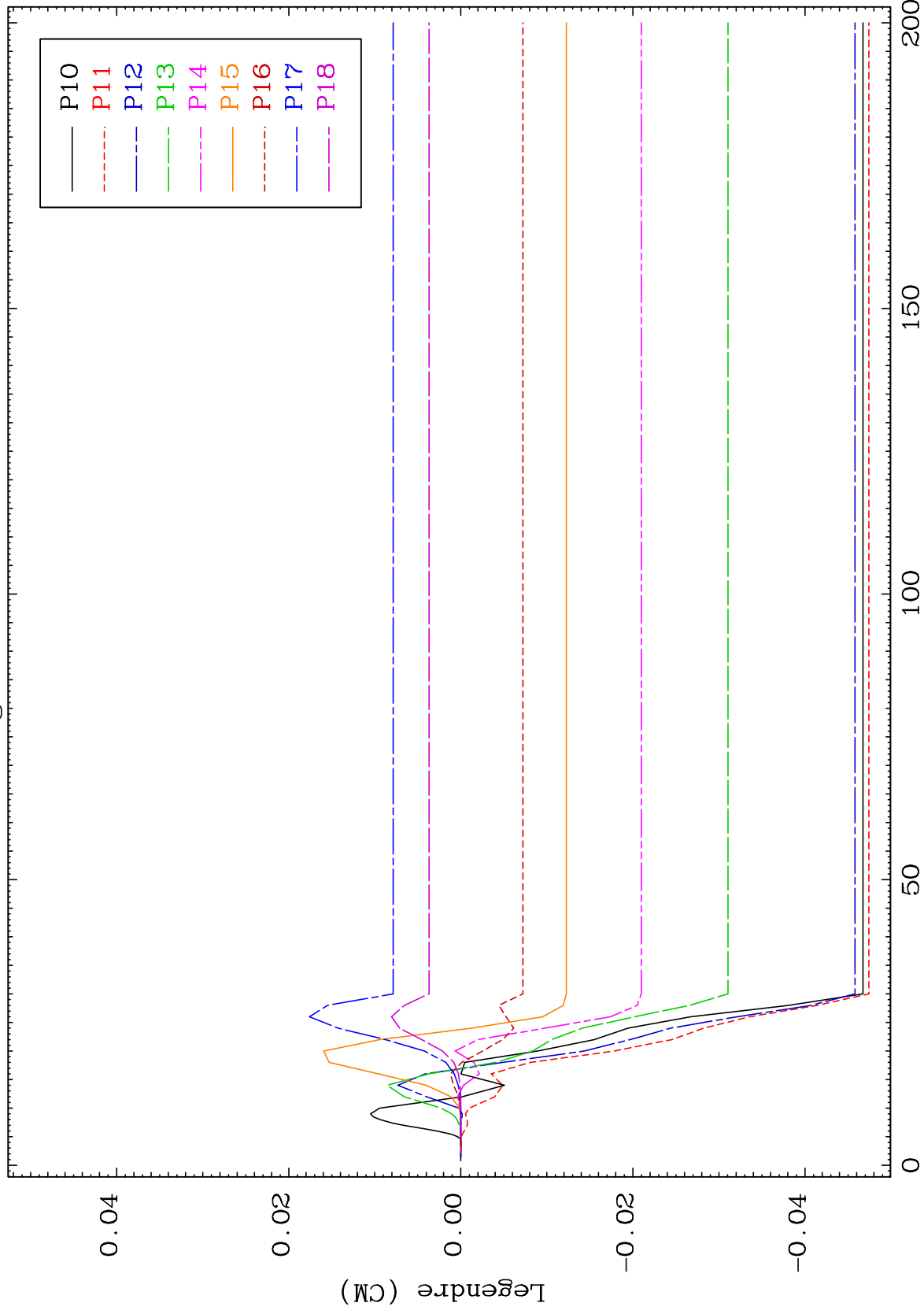




MAT 6040

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

60-Nd-147



29

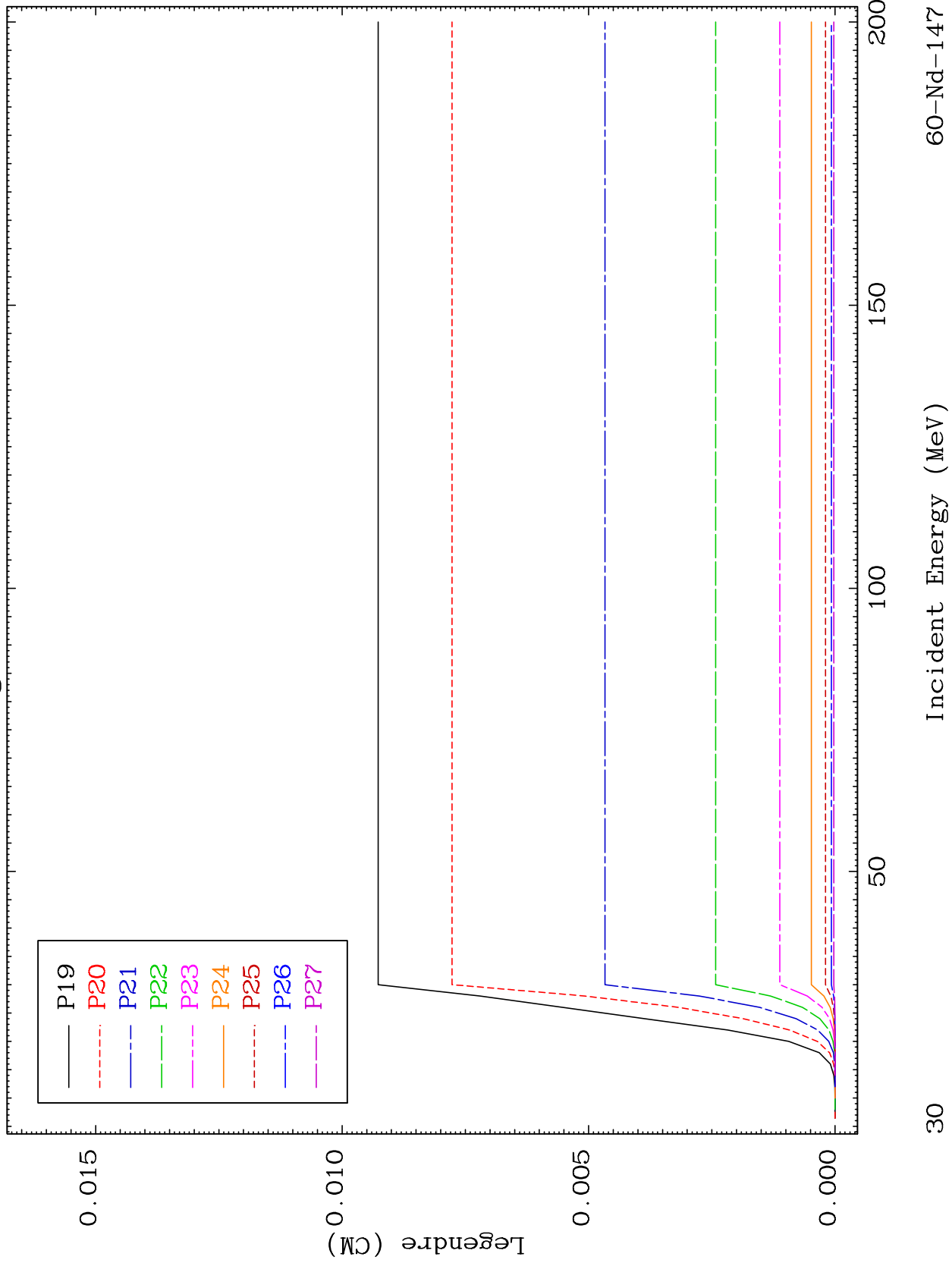
Incident Energy (MeV)

60-Nd-147

MAT 6040

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

60-Nd-147



60-Nd-147

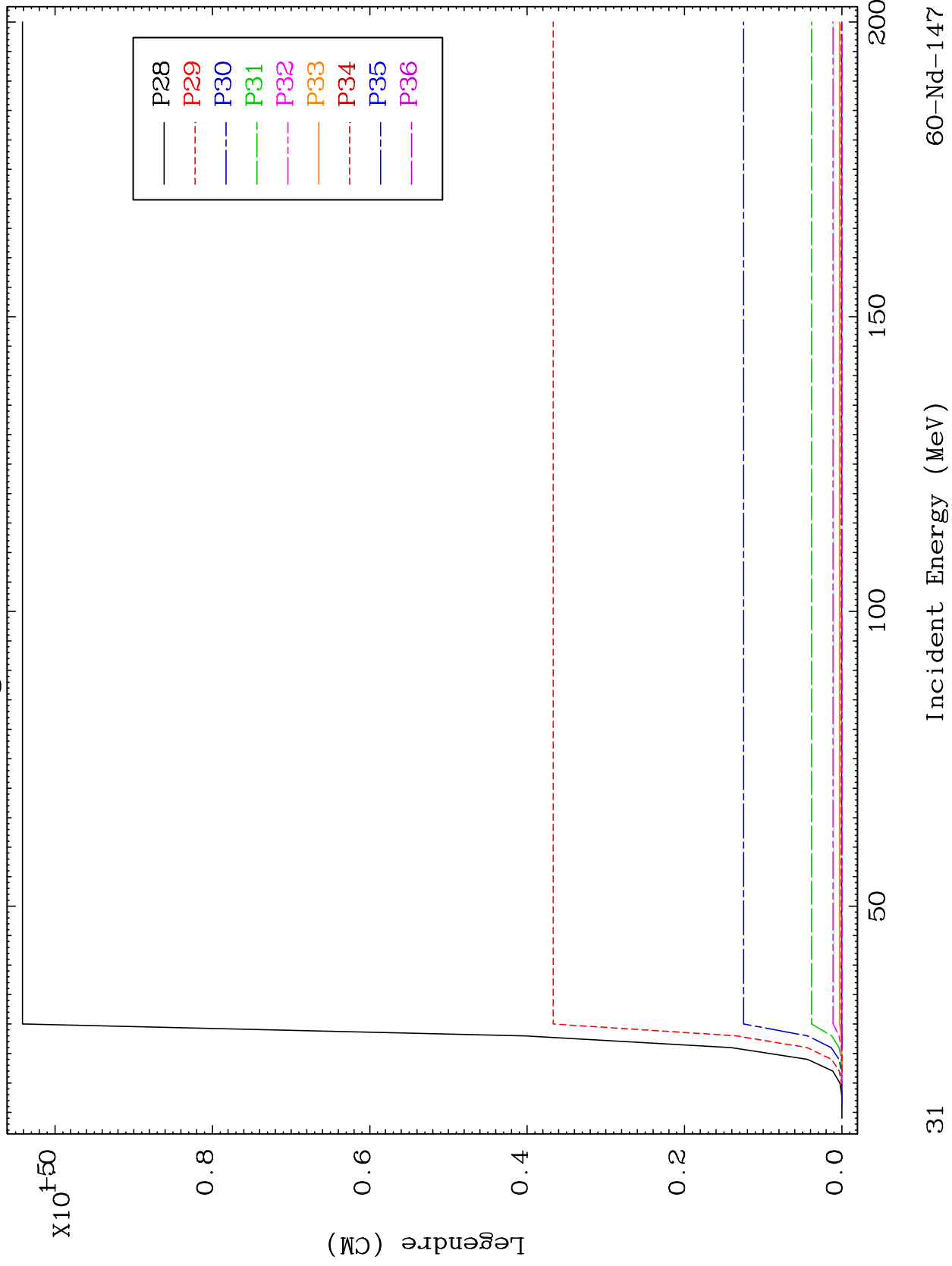
Incident Energy (MeV)

30

MAT 6040

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

60-Nd-147

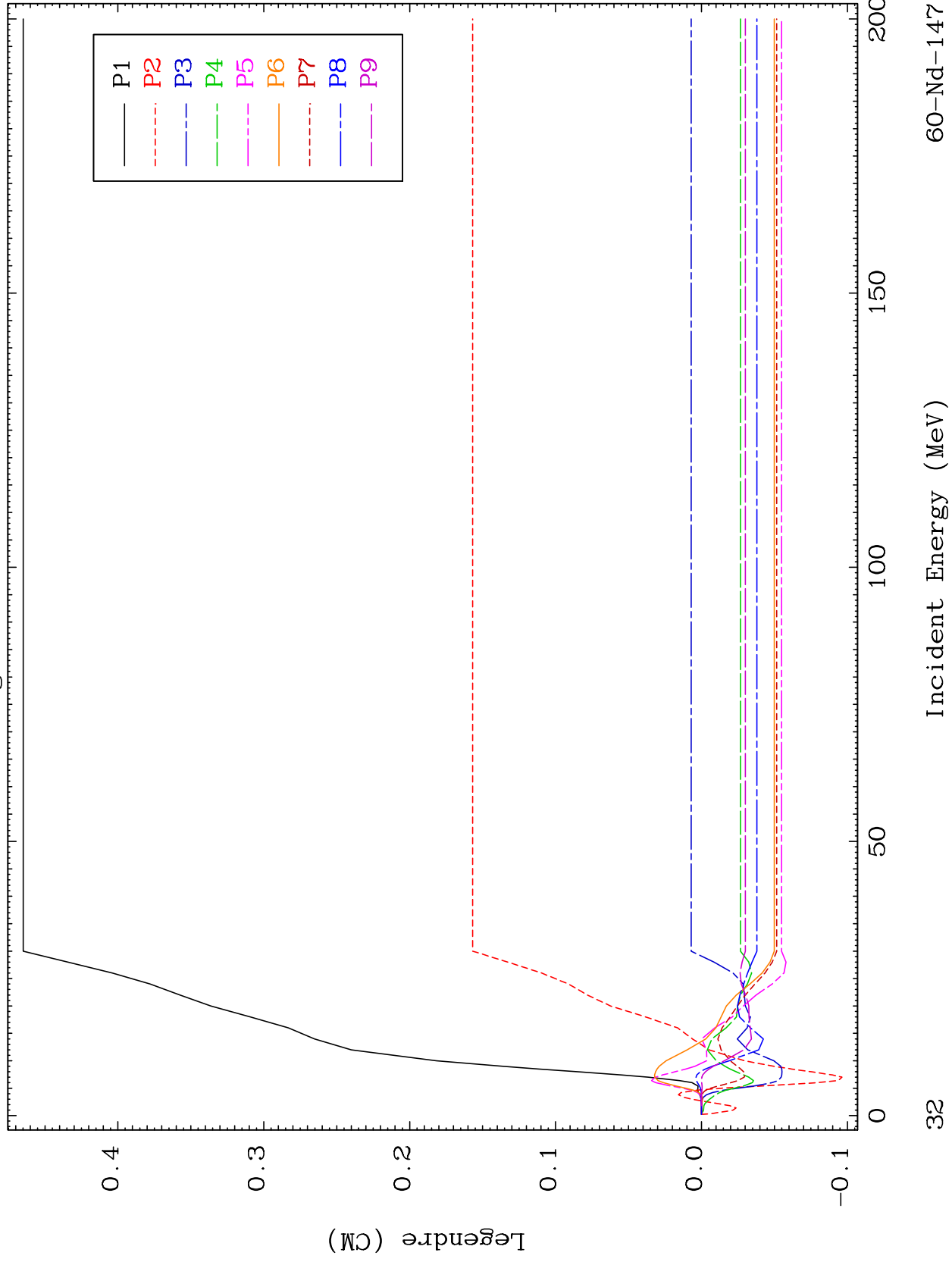


31

MAT 6040

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

60-Nd-147



60-Nd-147

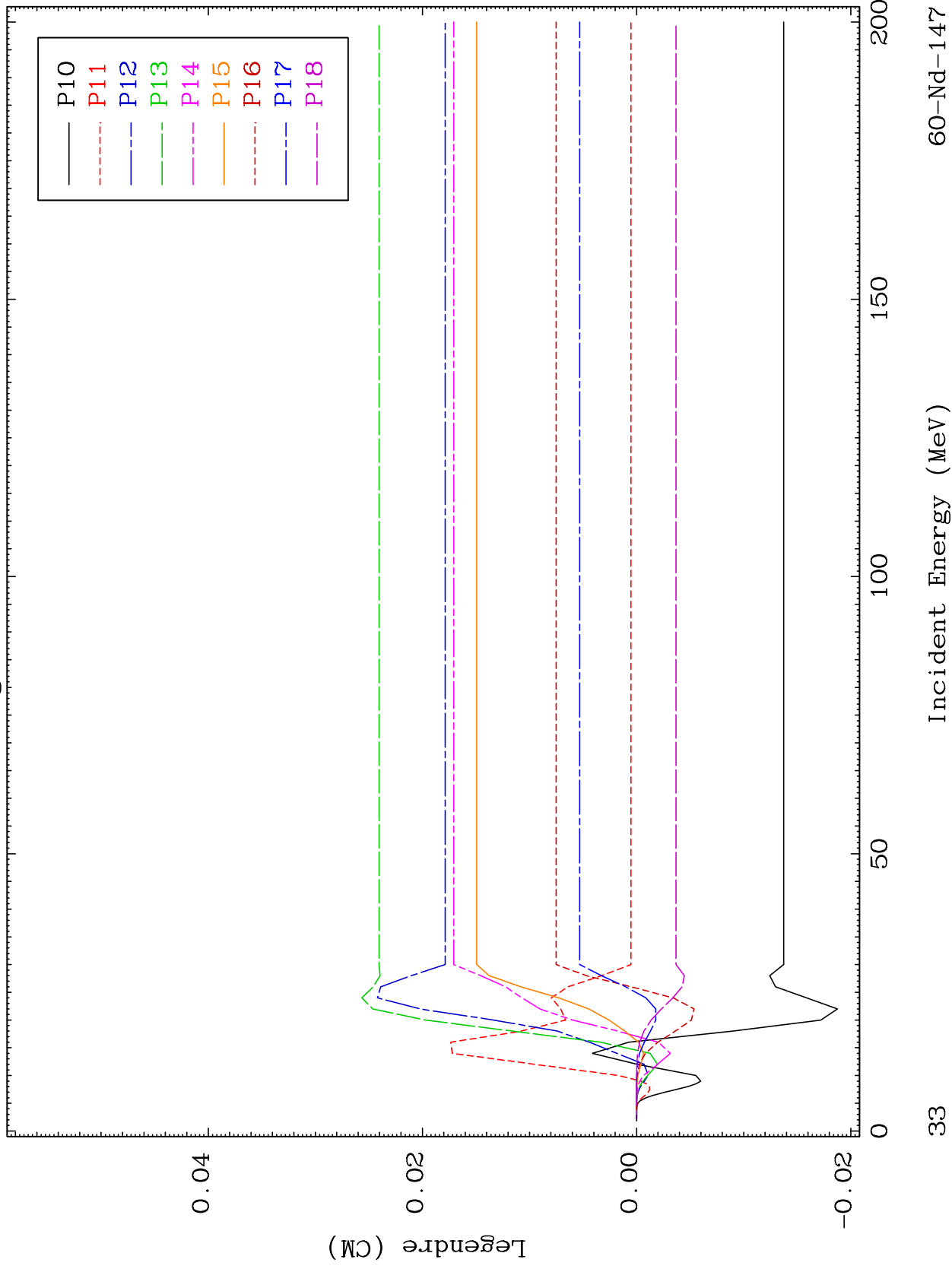
Incident Energy (MeV)

32

MAT 6040

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

60-Nd-147

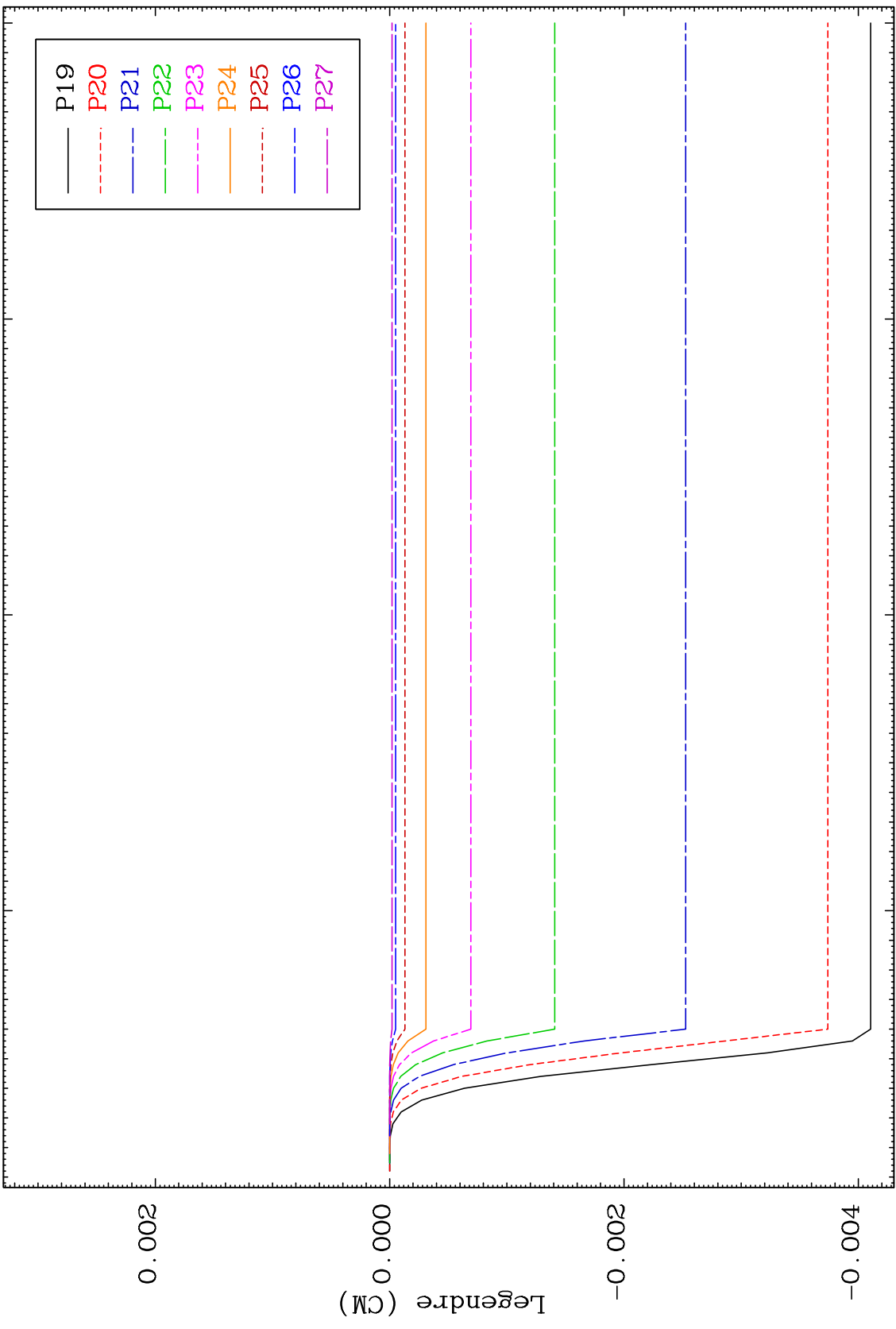


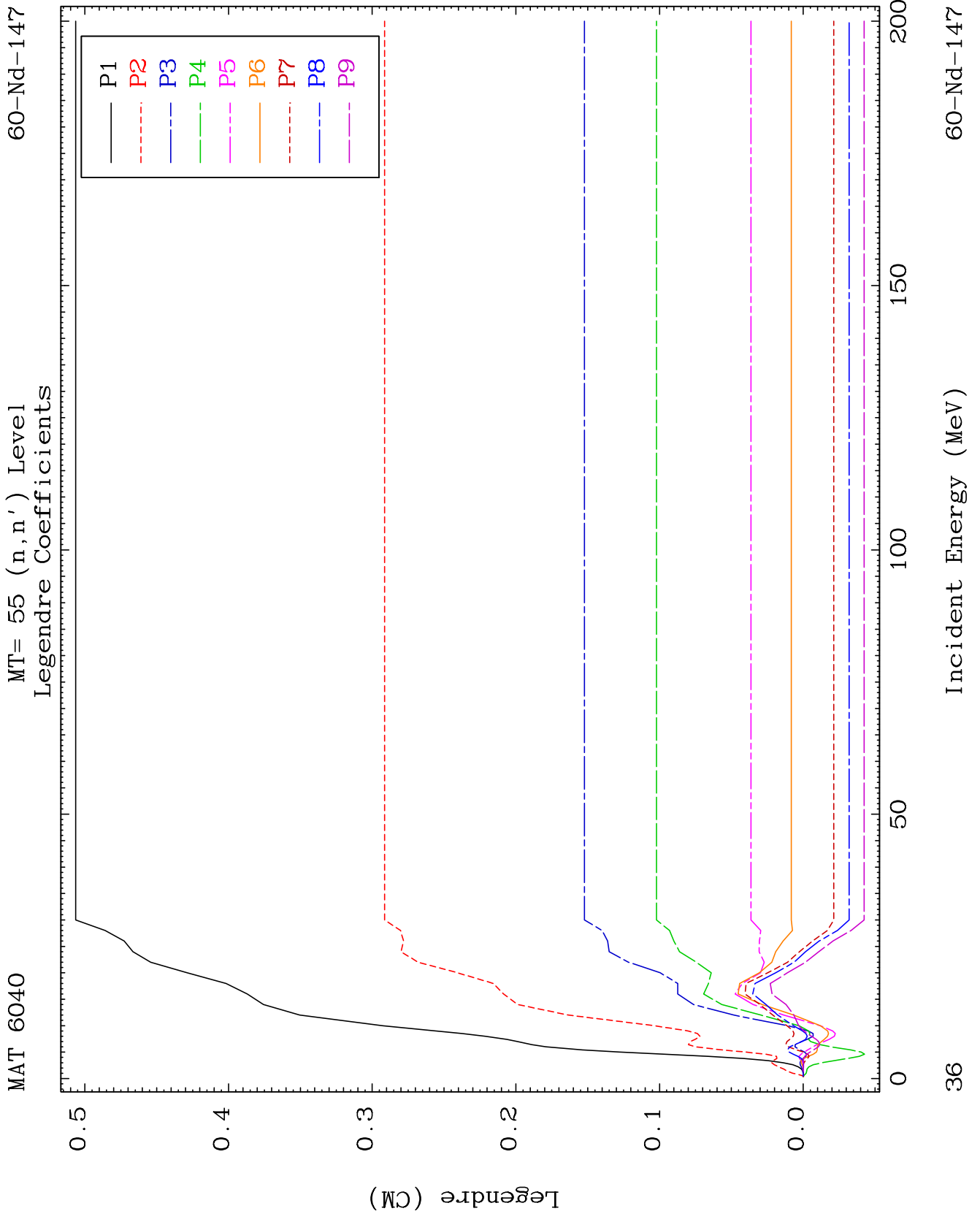
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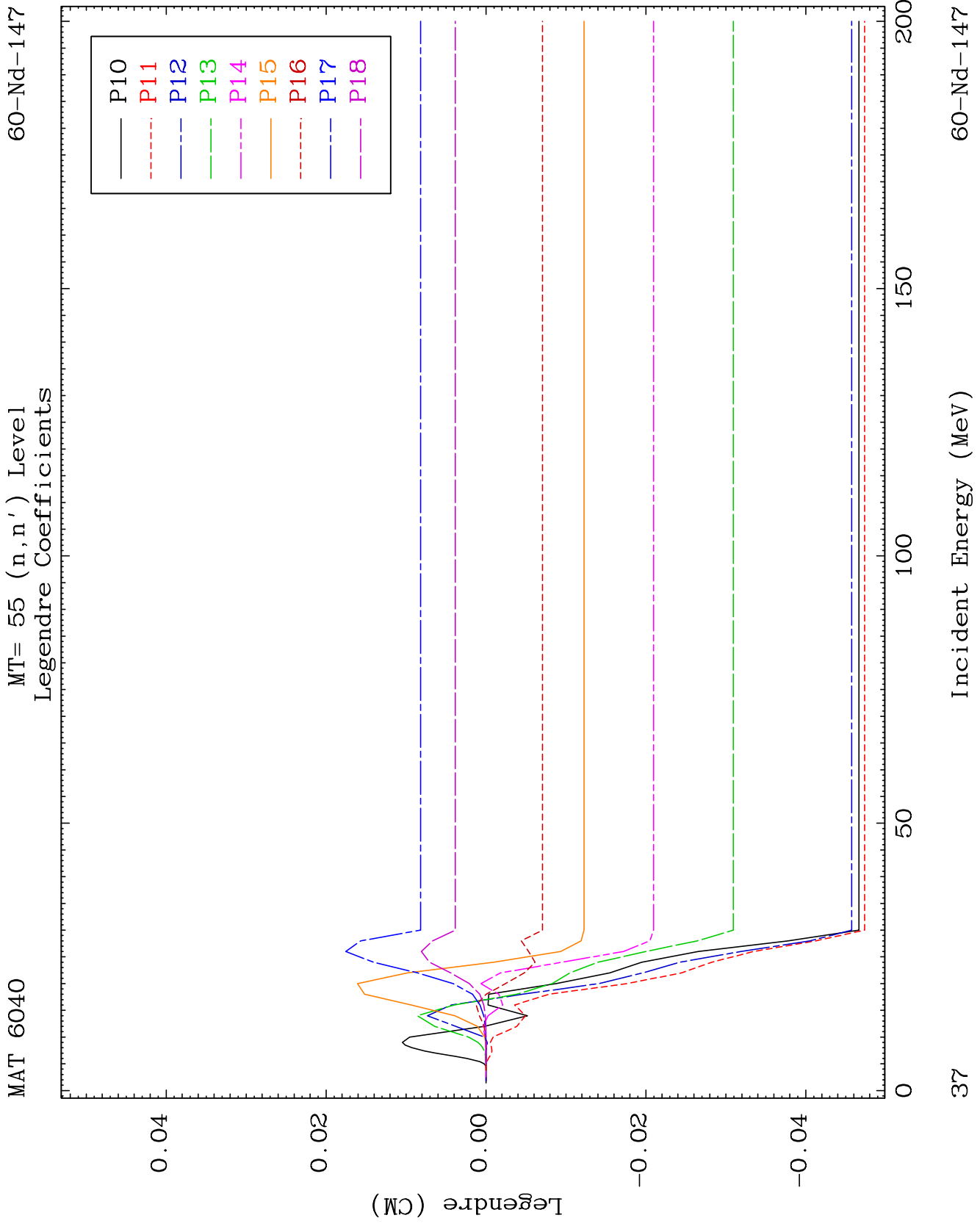
Incident Energy (MeV)

33

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



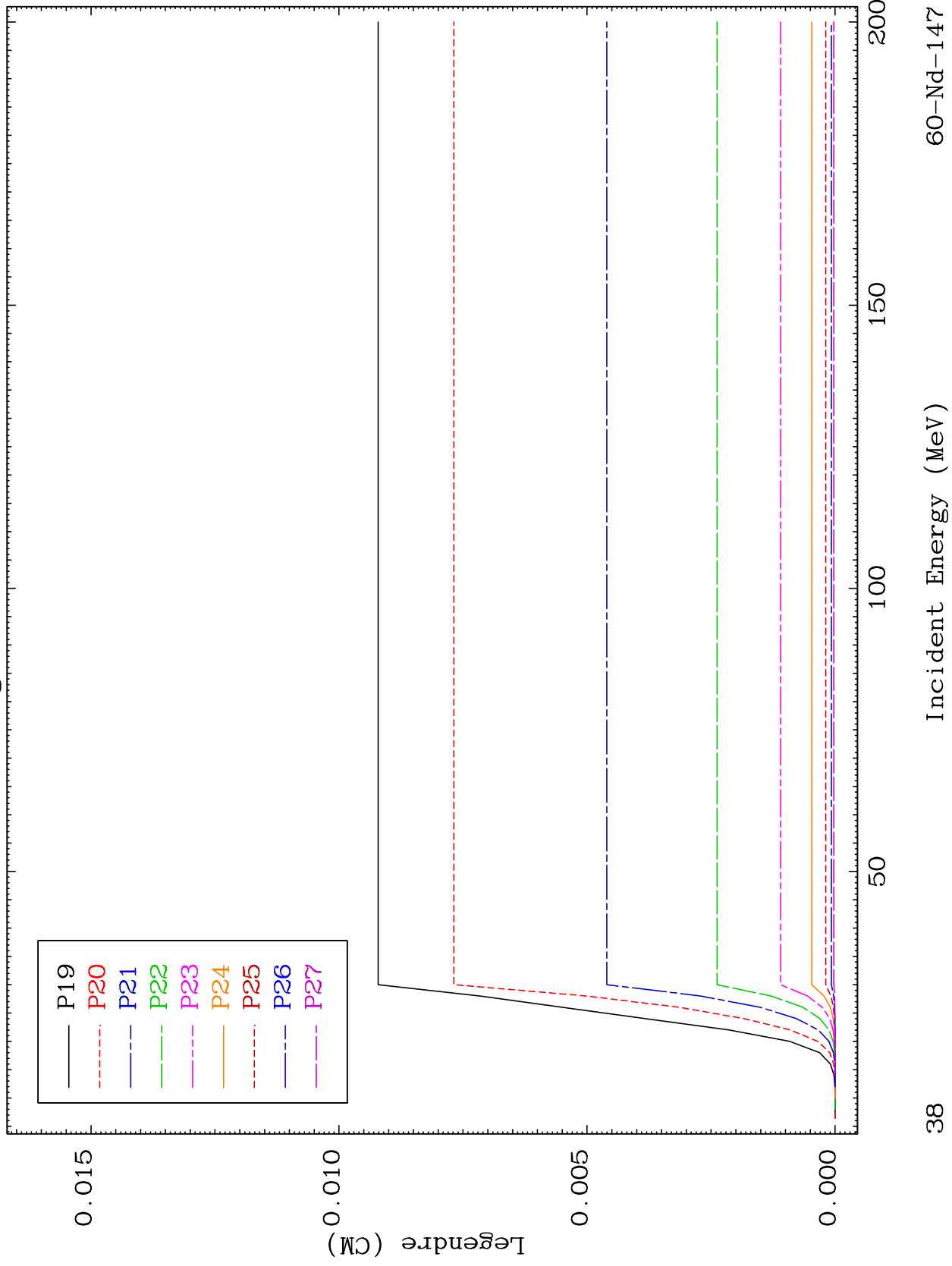




MAT 6040

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

60-Nd-147



38

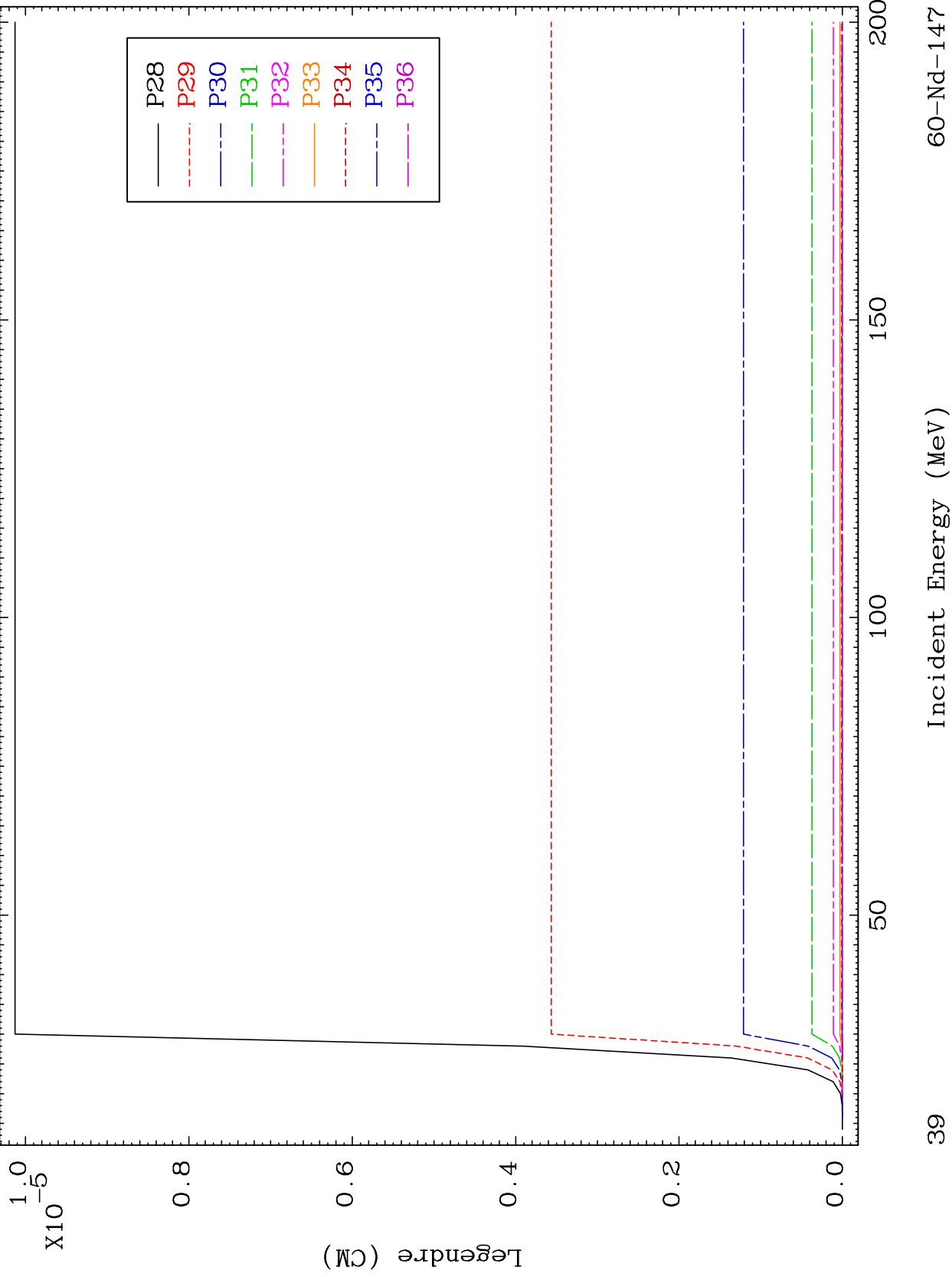
Incident Energy (MeV)

60-Nd-147

MAT 6040

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

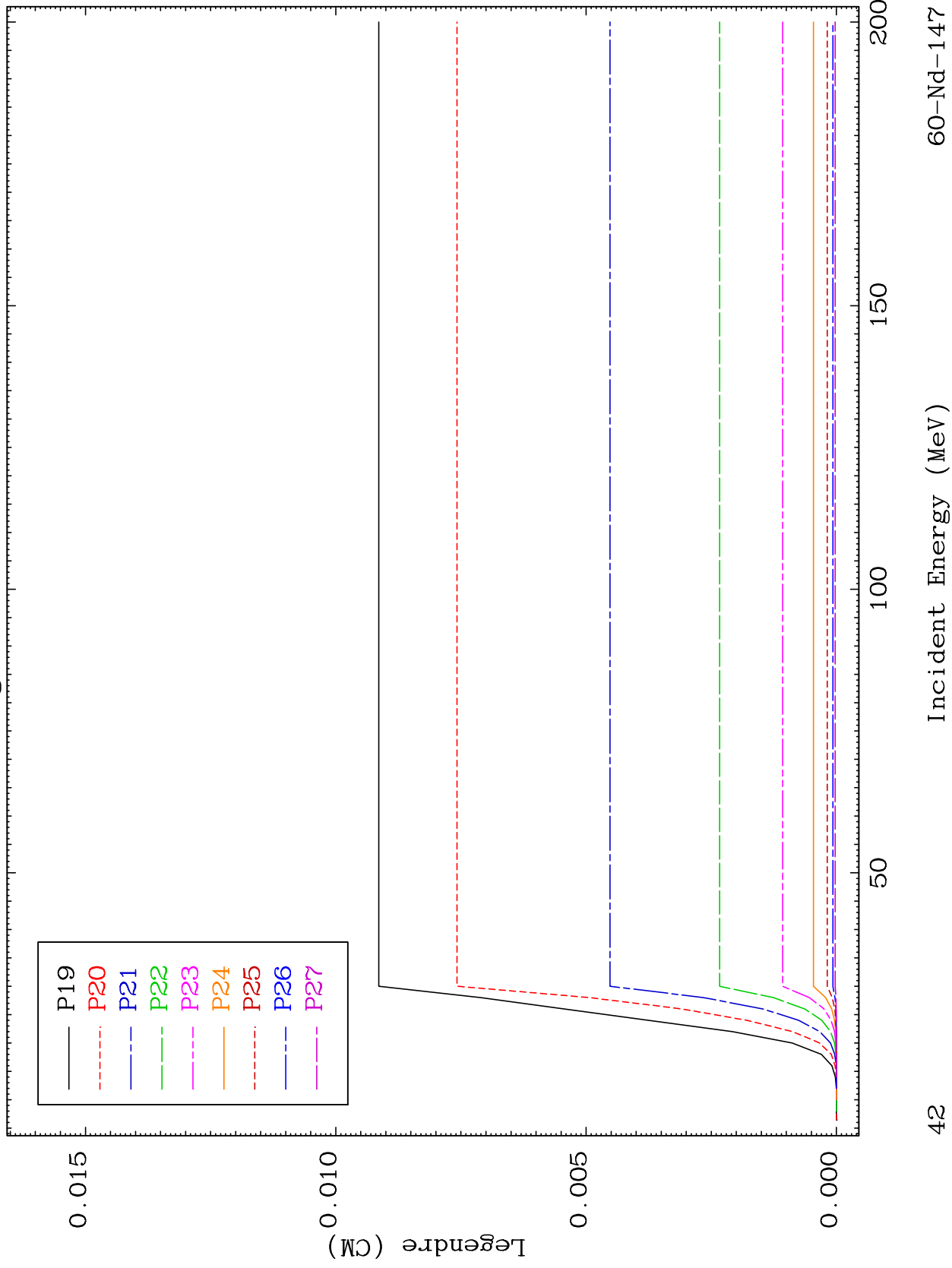
60-Nd-147



MAT 6040

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

60-Nd-147



42

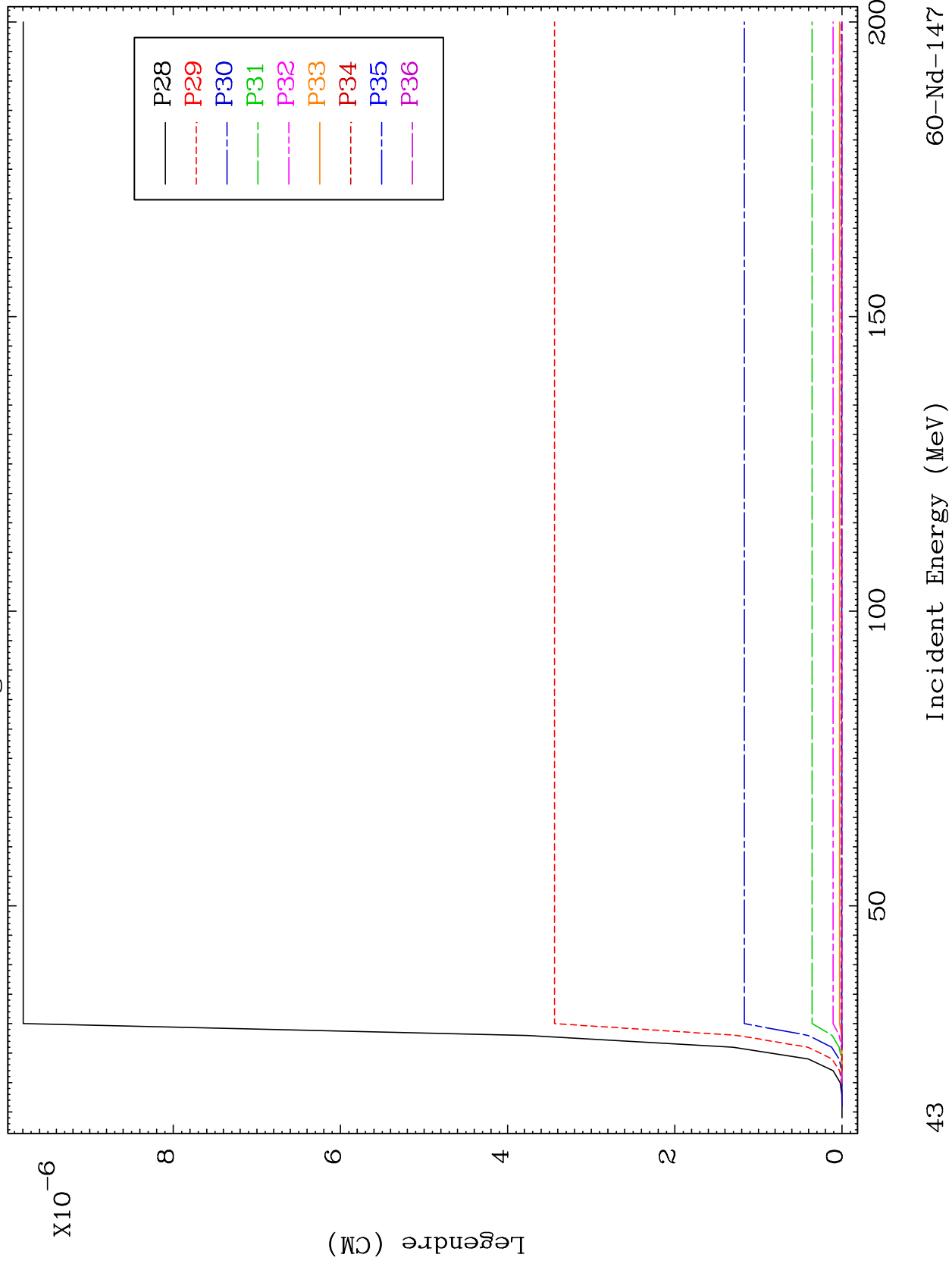
Incident Energy (MeV)

60-Nd-147

MAT 6040

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

60-Nd-147



43

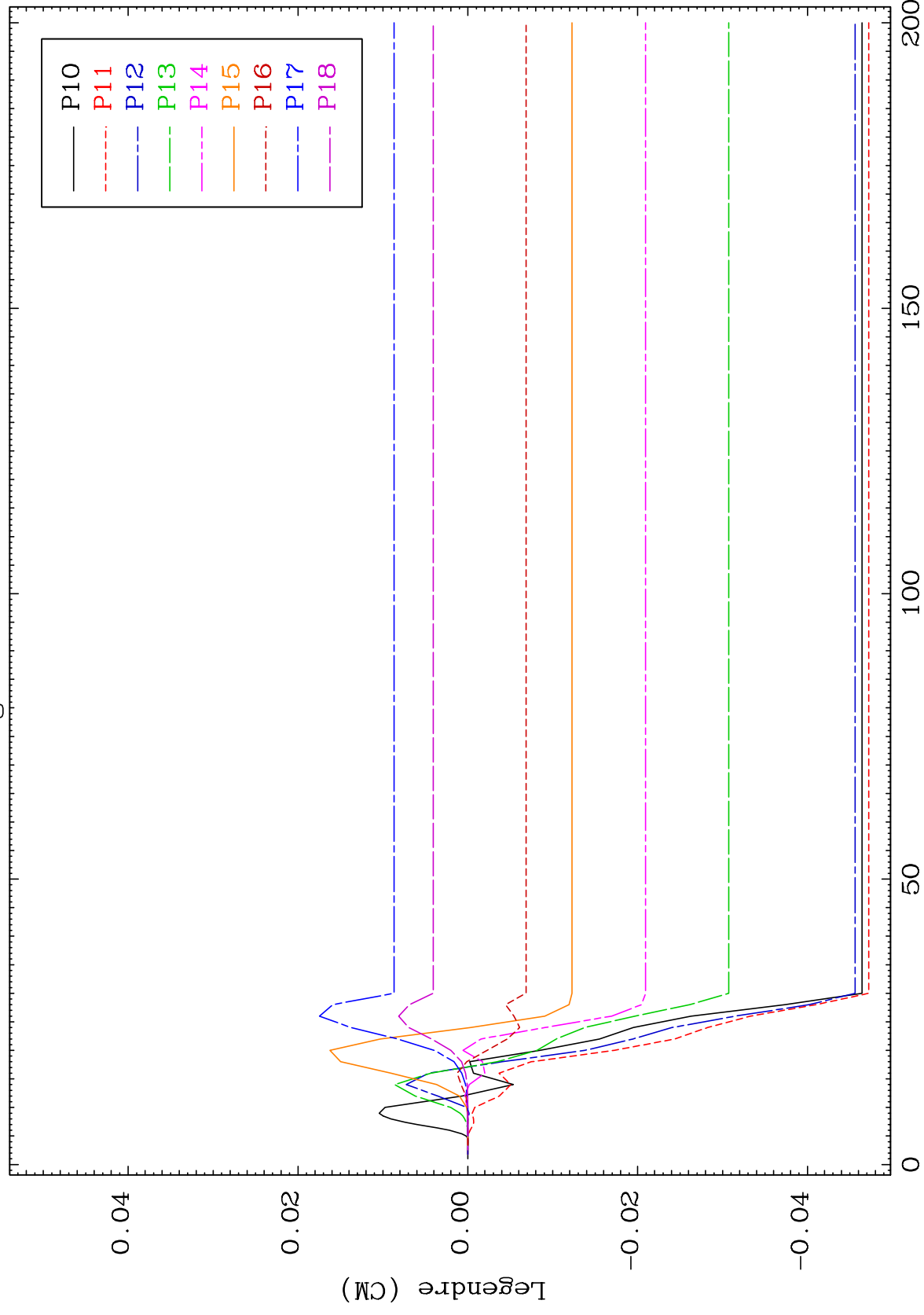
Incident Energy (MeV)

60-Nd-147

MAT 6040

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

60-Nd-147



60-Nd-147

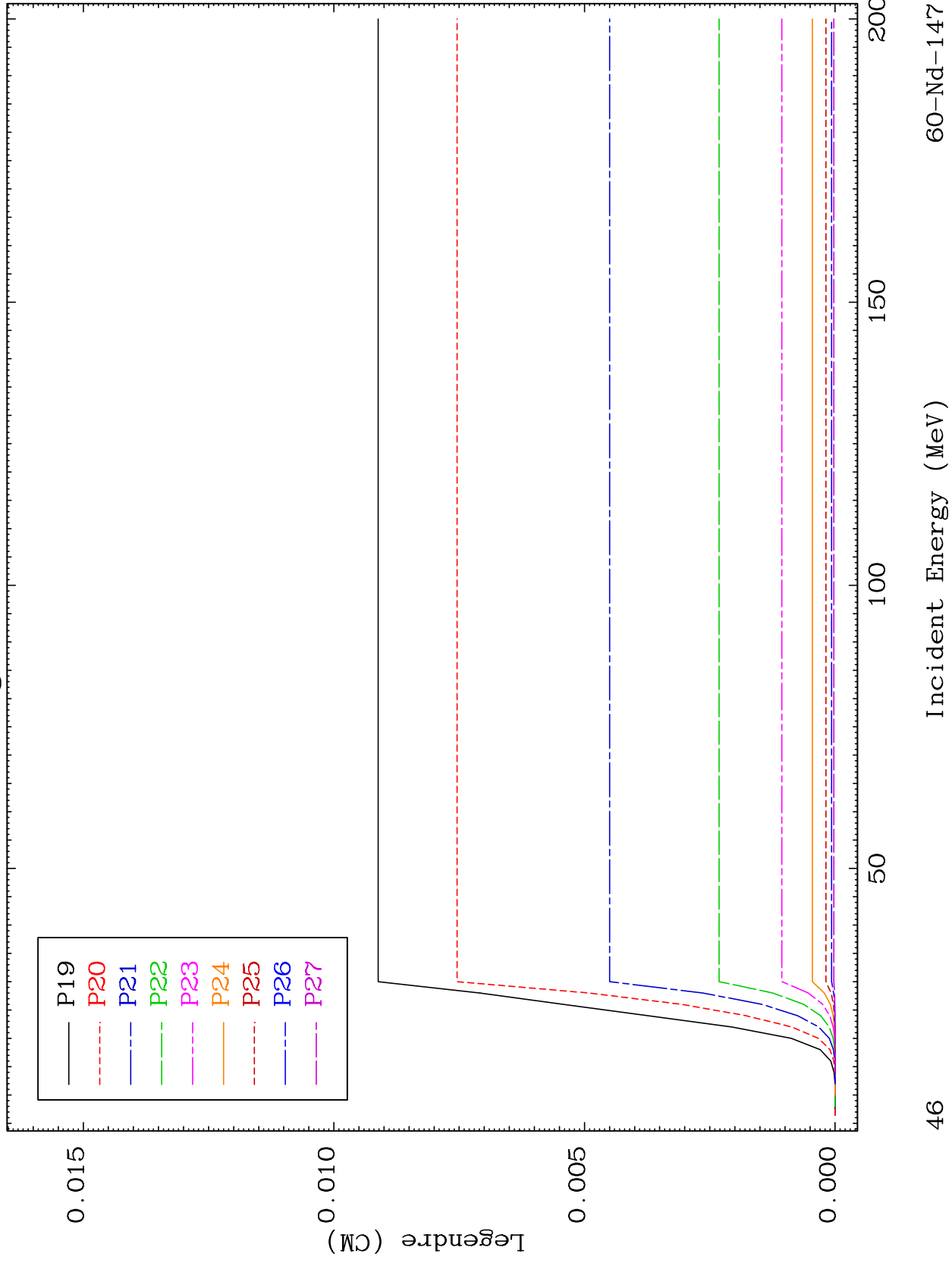
Incident Energy (MeV)

45

MAT 6040

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

60-Nd-147



46

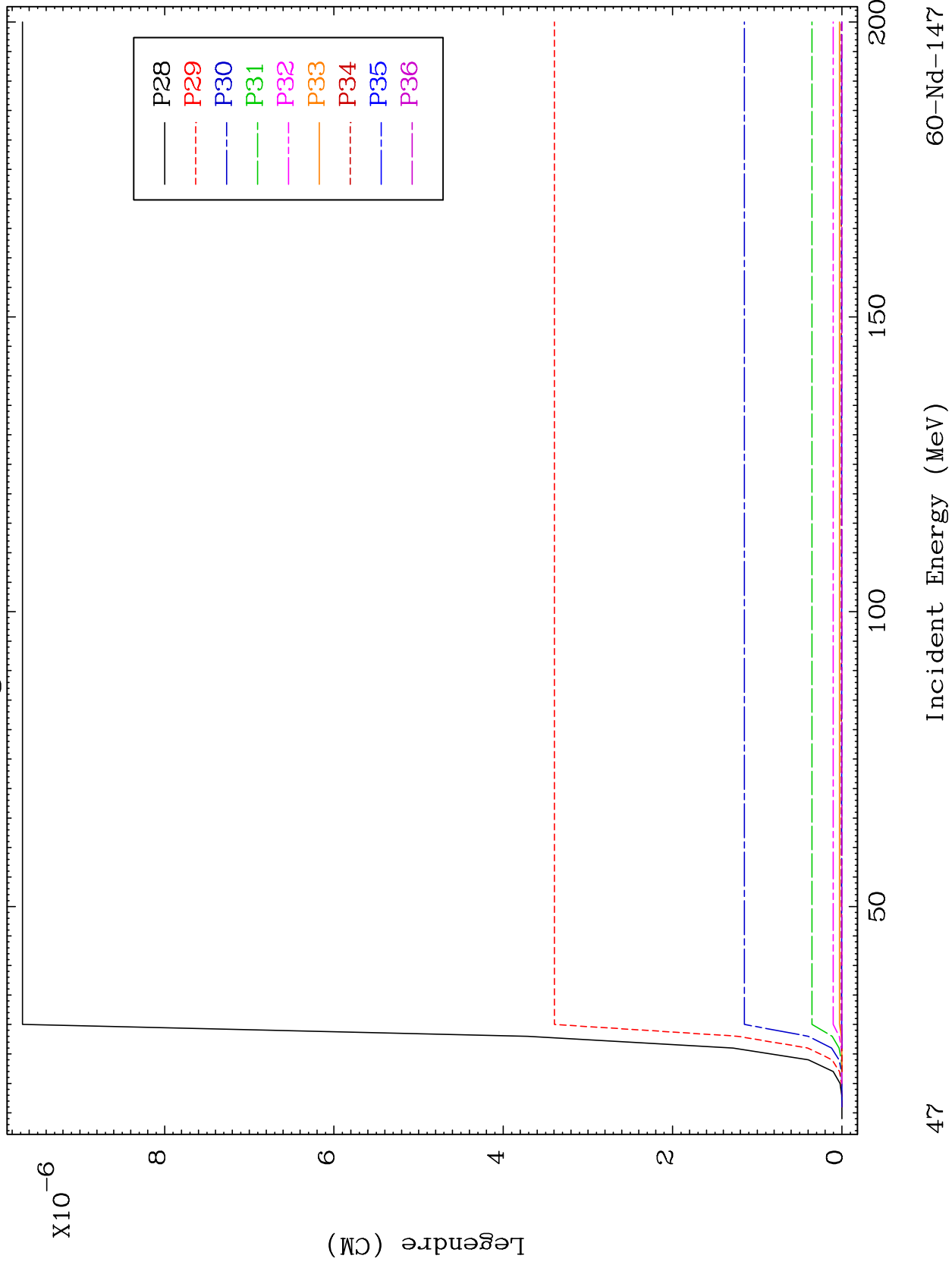
Incident Energy (MeV)

60-Nd-147

MAT 6040

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

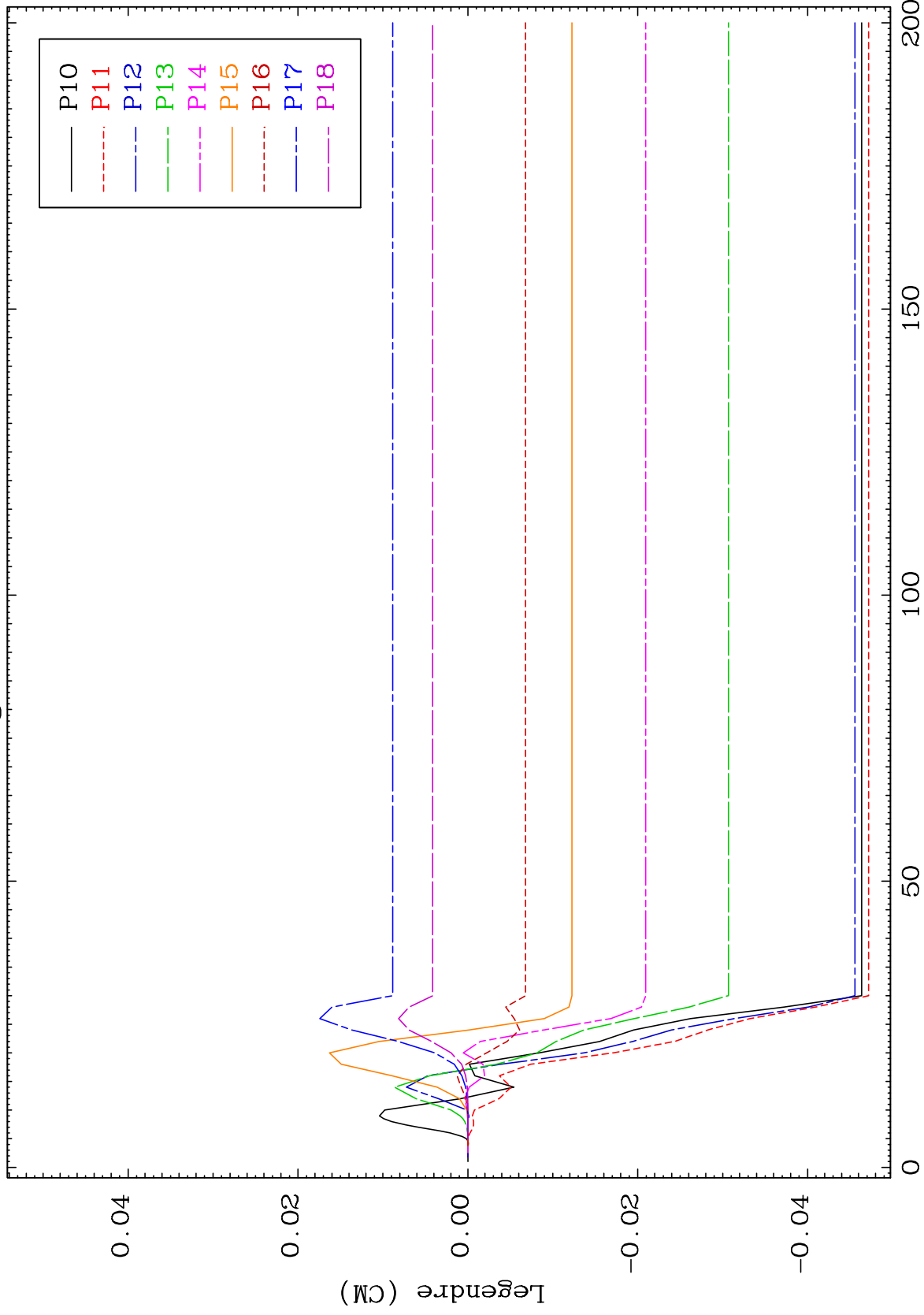
60-Nd-147



MAT 6040

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

60-Nd-147



49

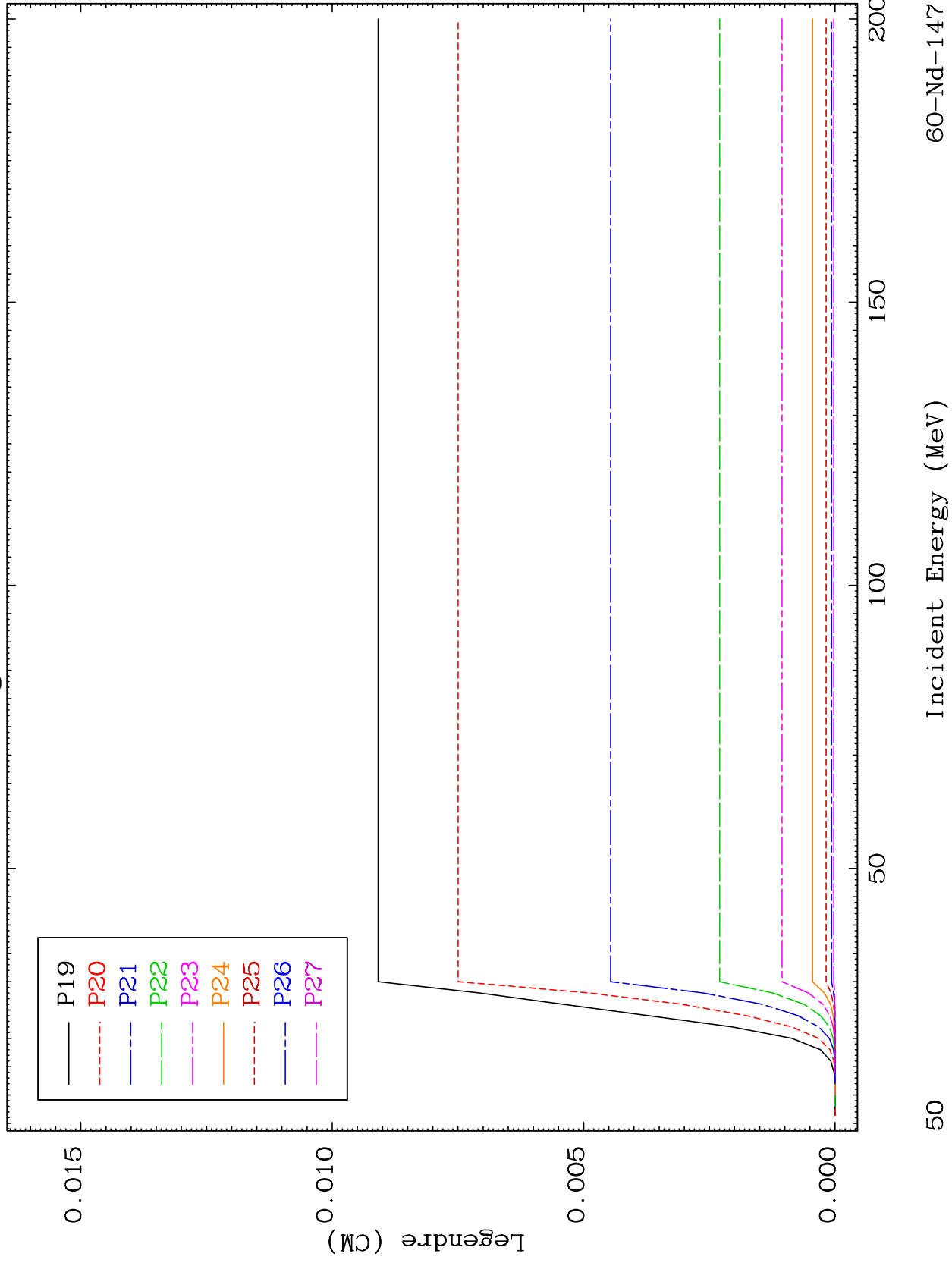
Incident Energy (MeV)

60-Nd-147

MAT 6040

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

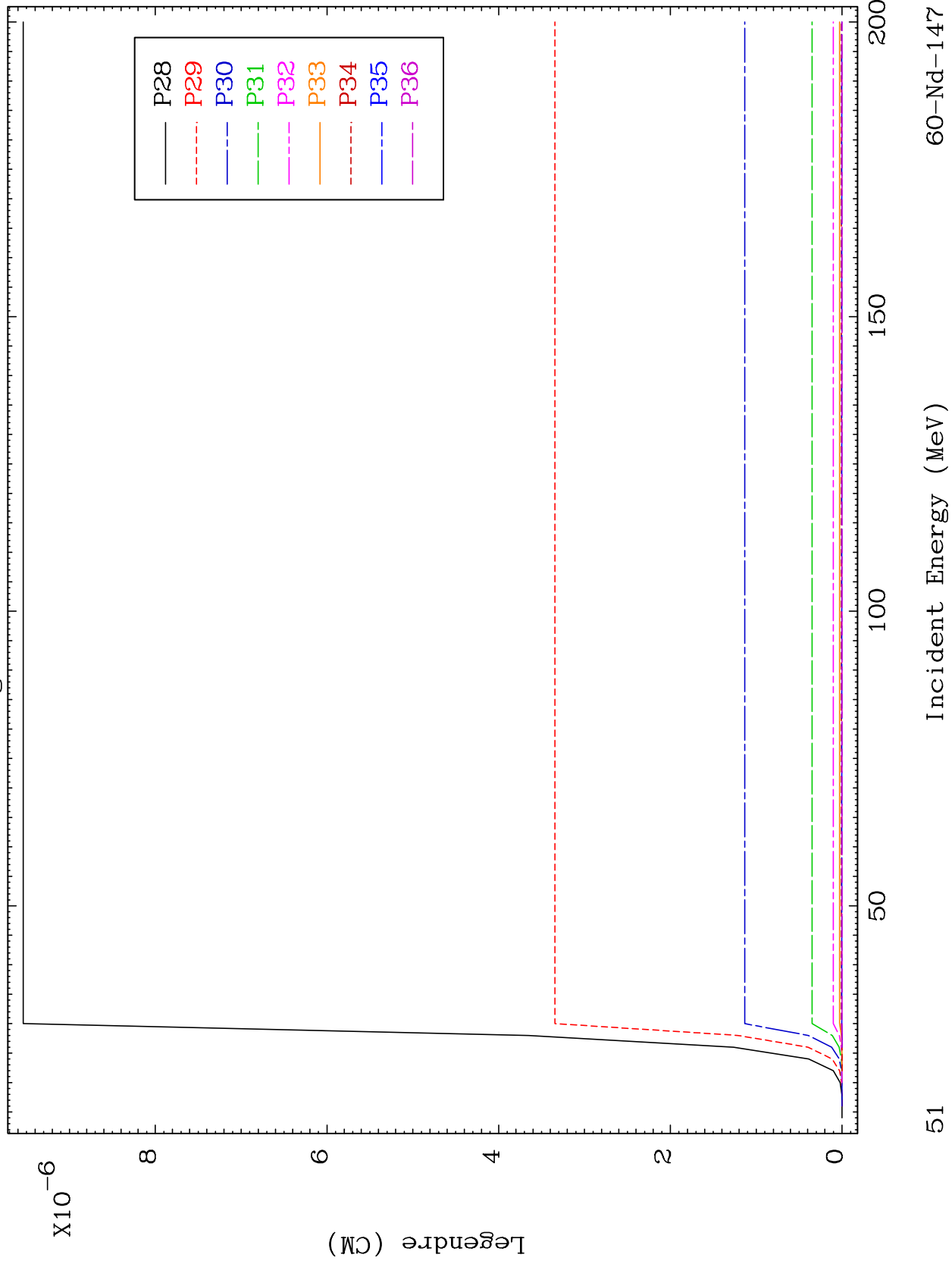
60-Nd-147



MAT 6040

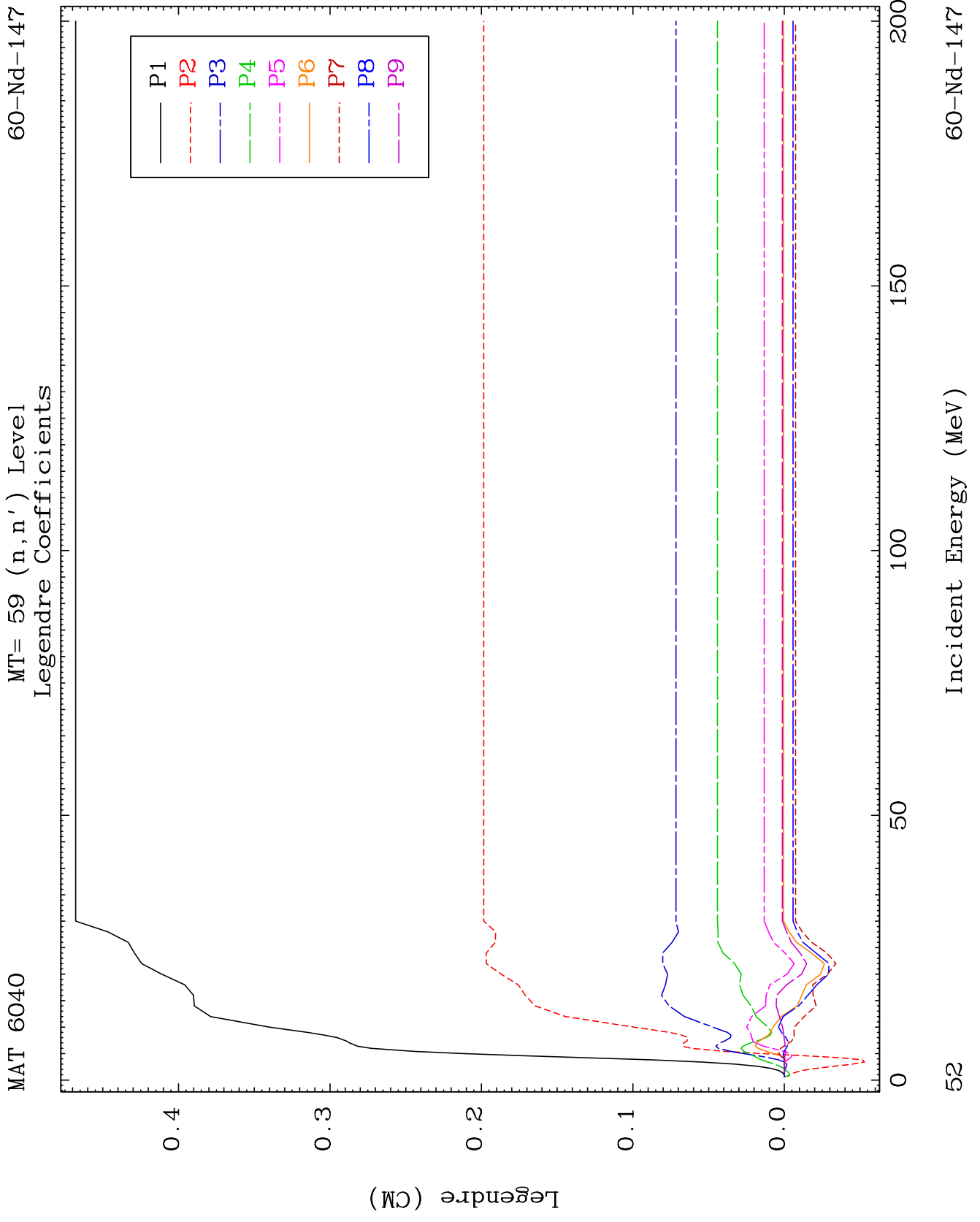
MT= 58 (n,n') Level
Legendre Coefficients

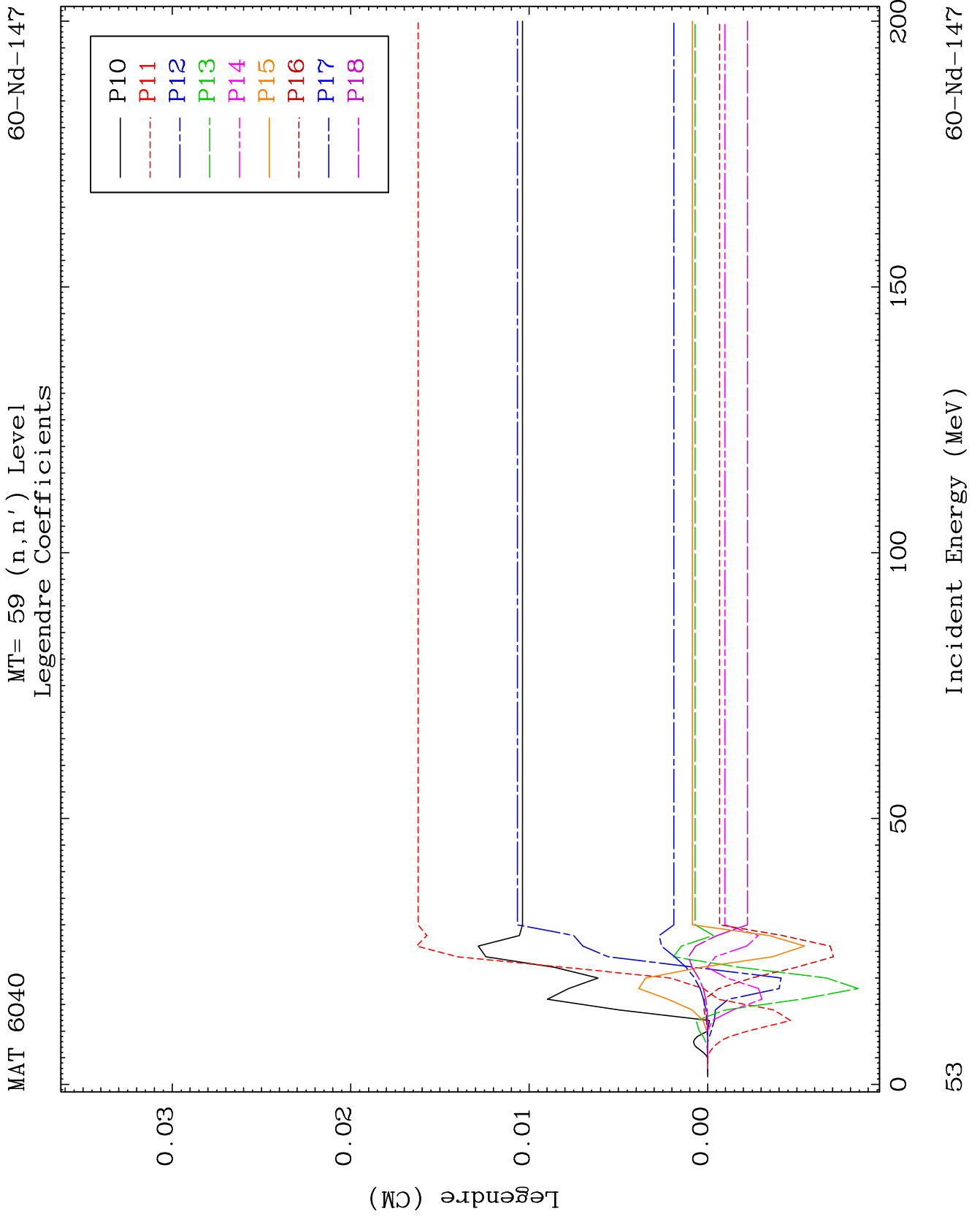
60-Nd-147



51

60-Nd-147

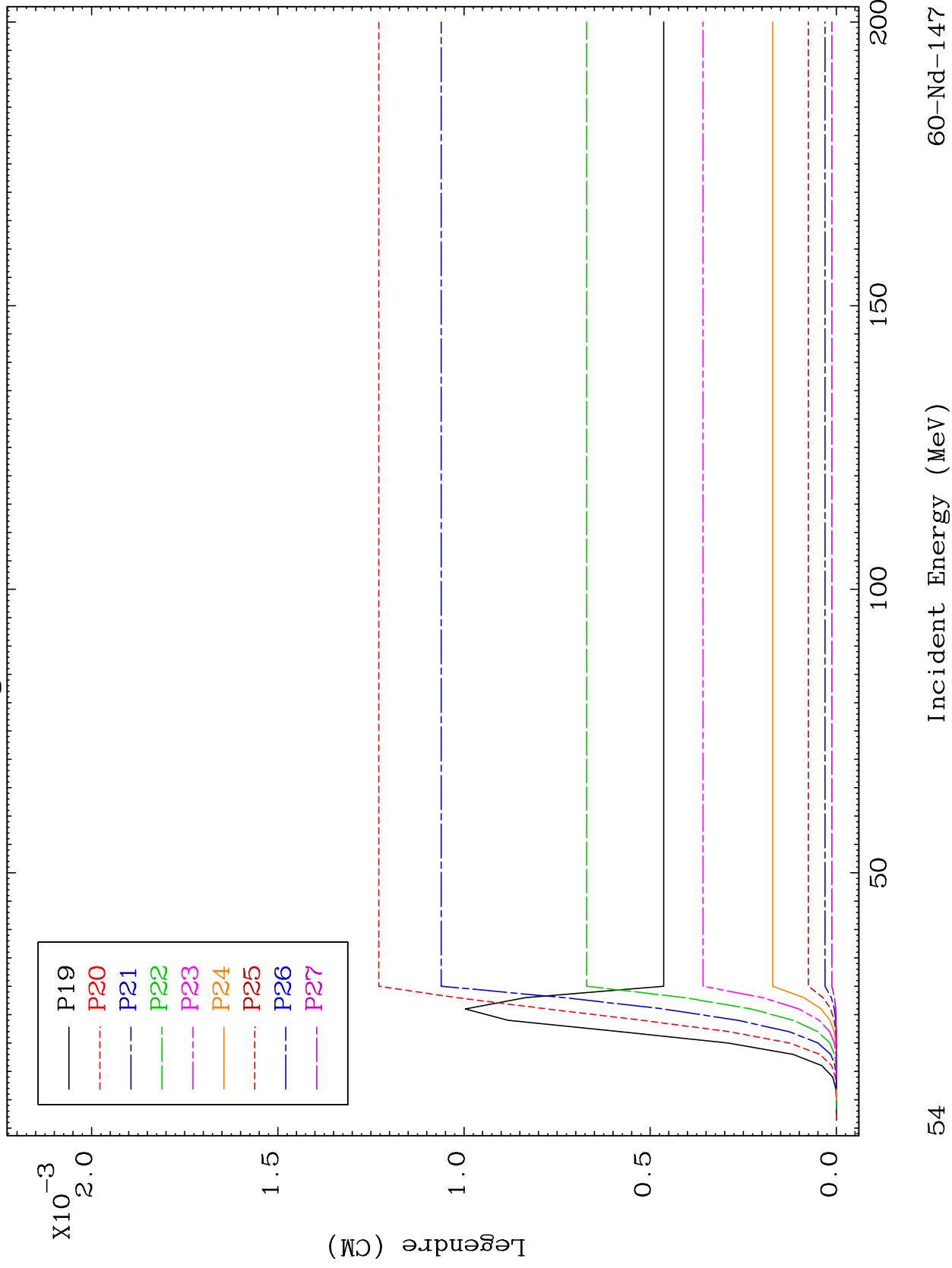


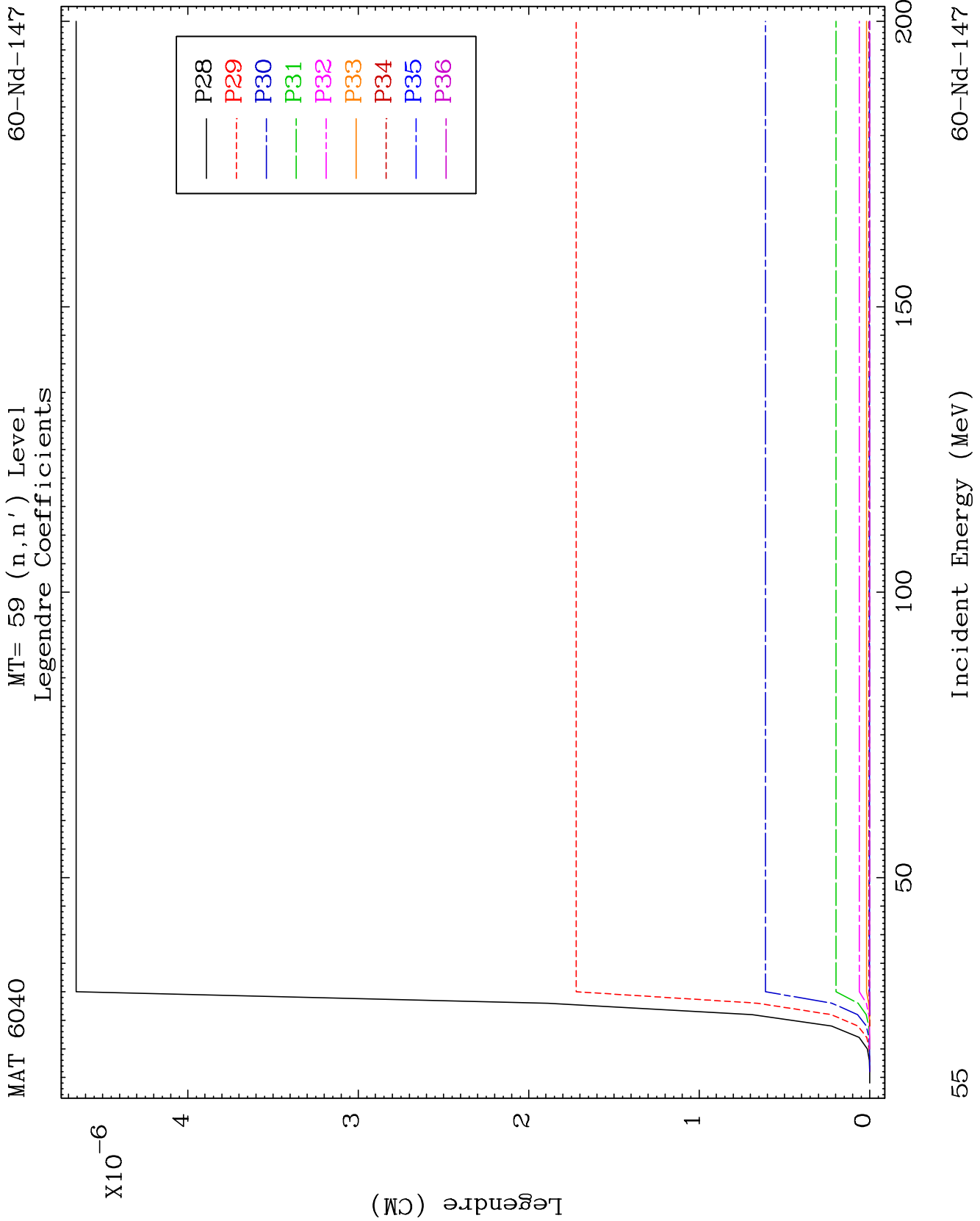


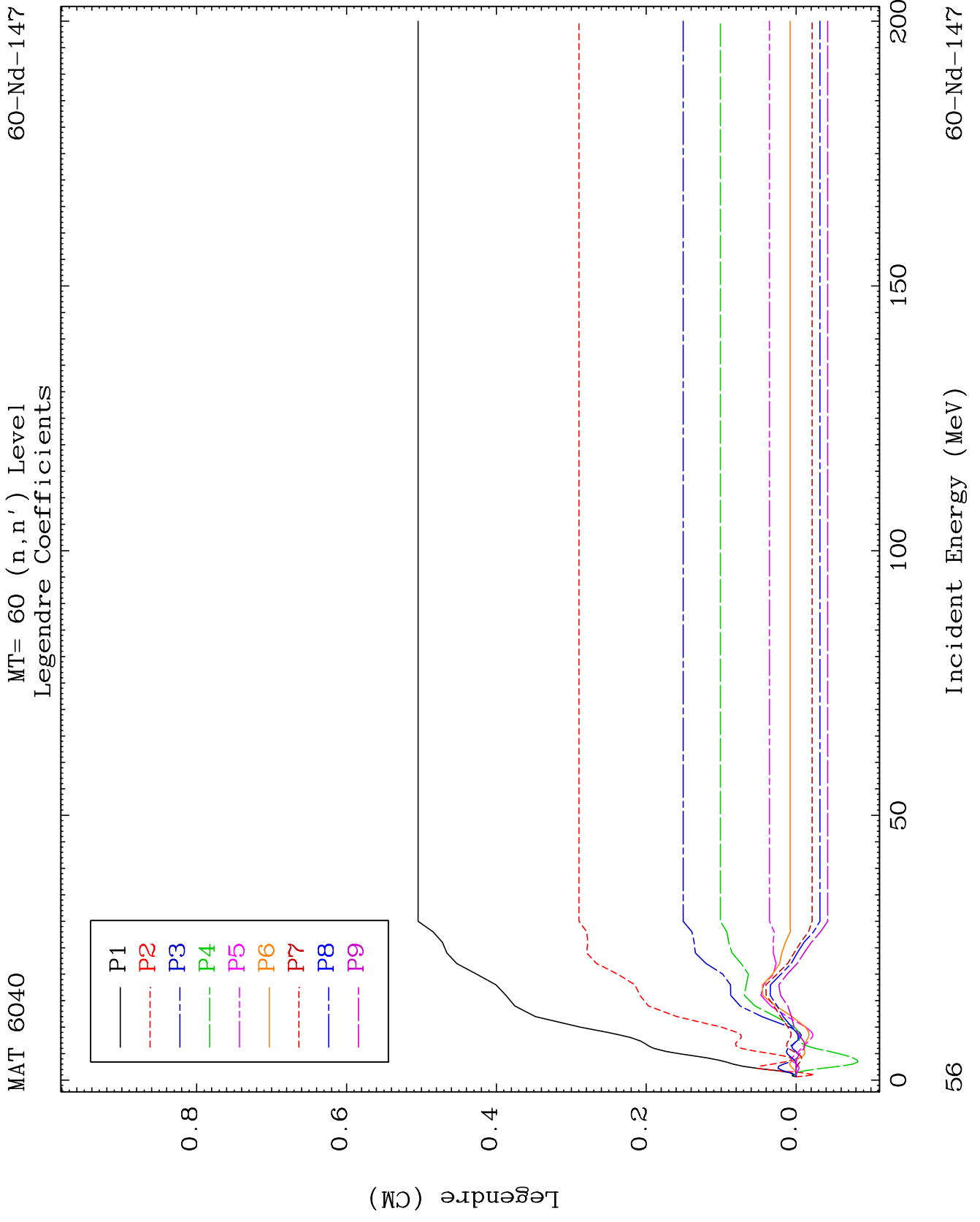
MAT 6040

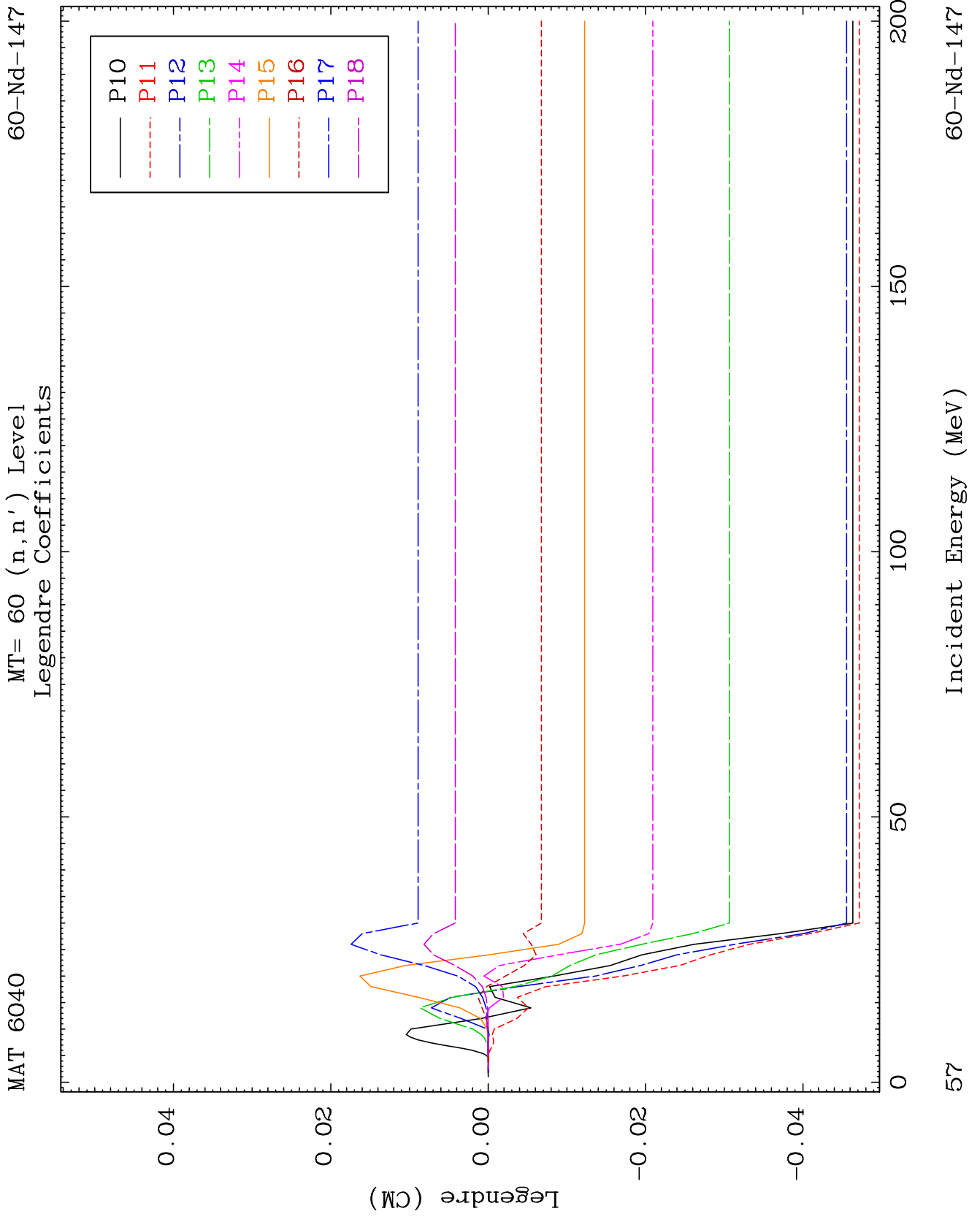
MT= 59 (n,n') Level
Legendre Coefficients

60-Nd-147





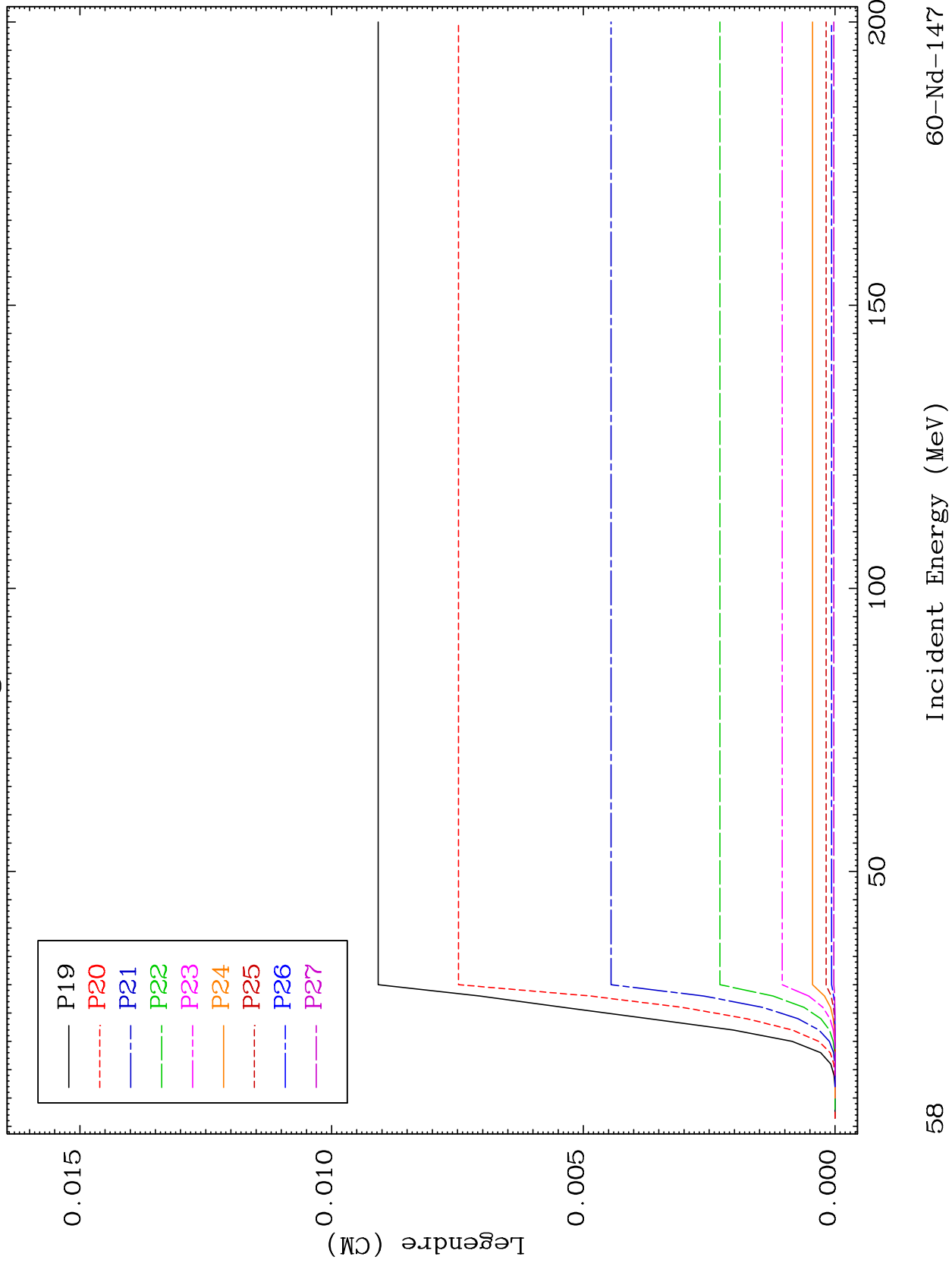




MAT 6040

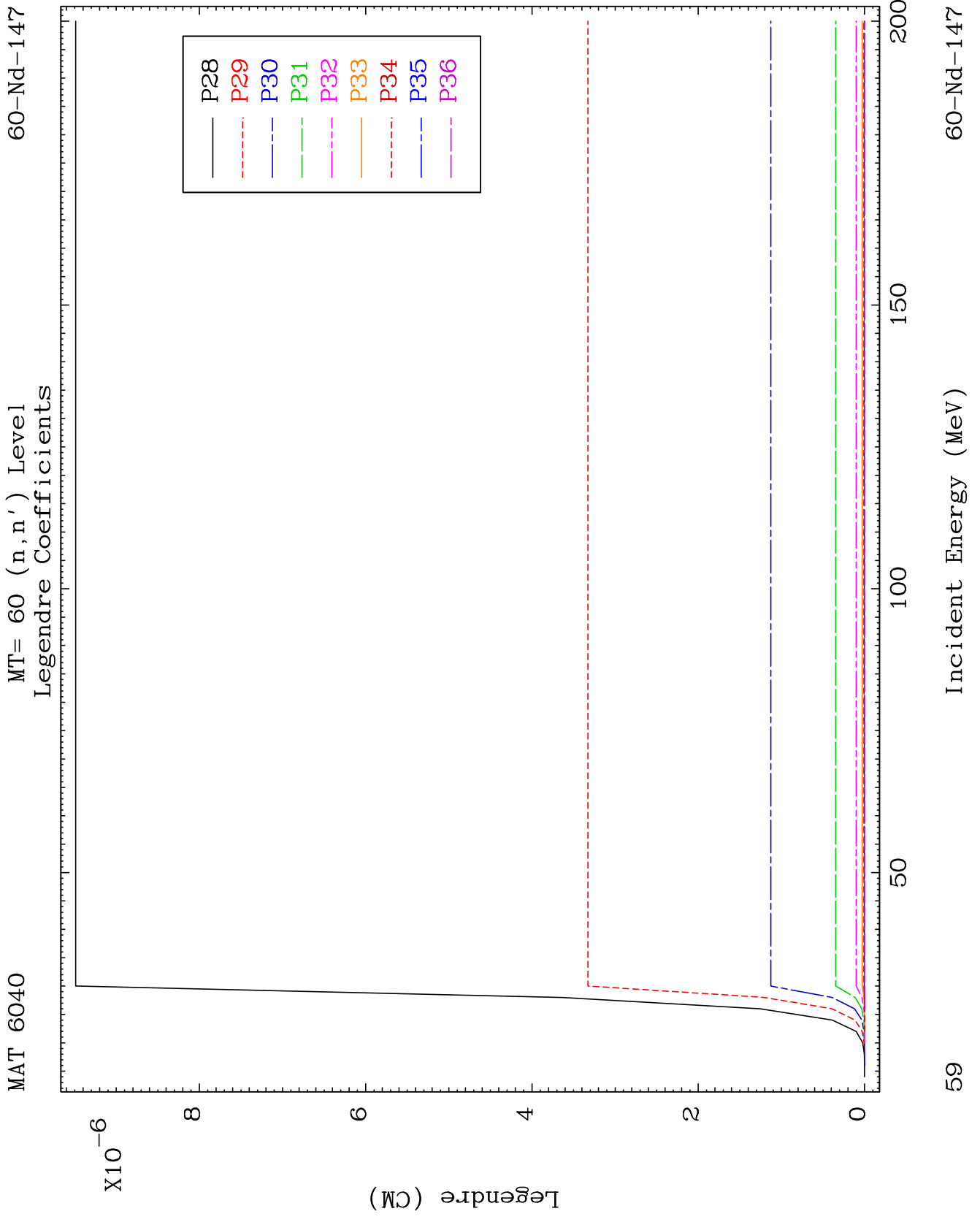
MT= 60 (n,n') Level
Legendre Coefficients

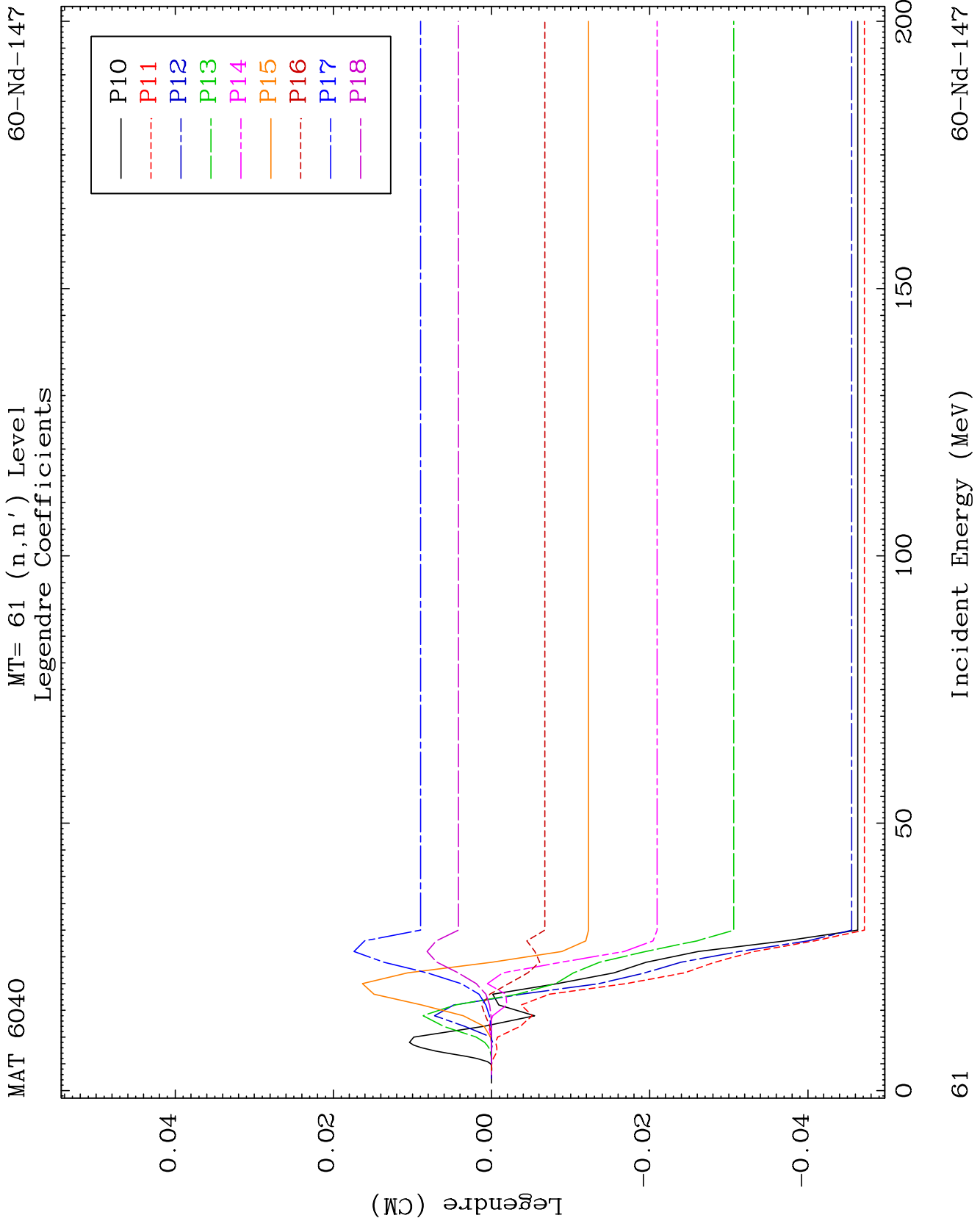
60-Nd-147



58

200

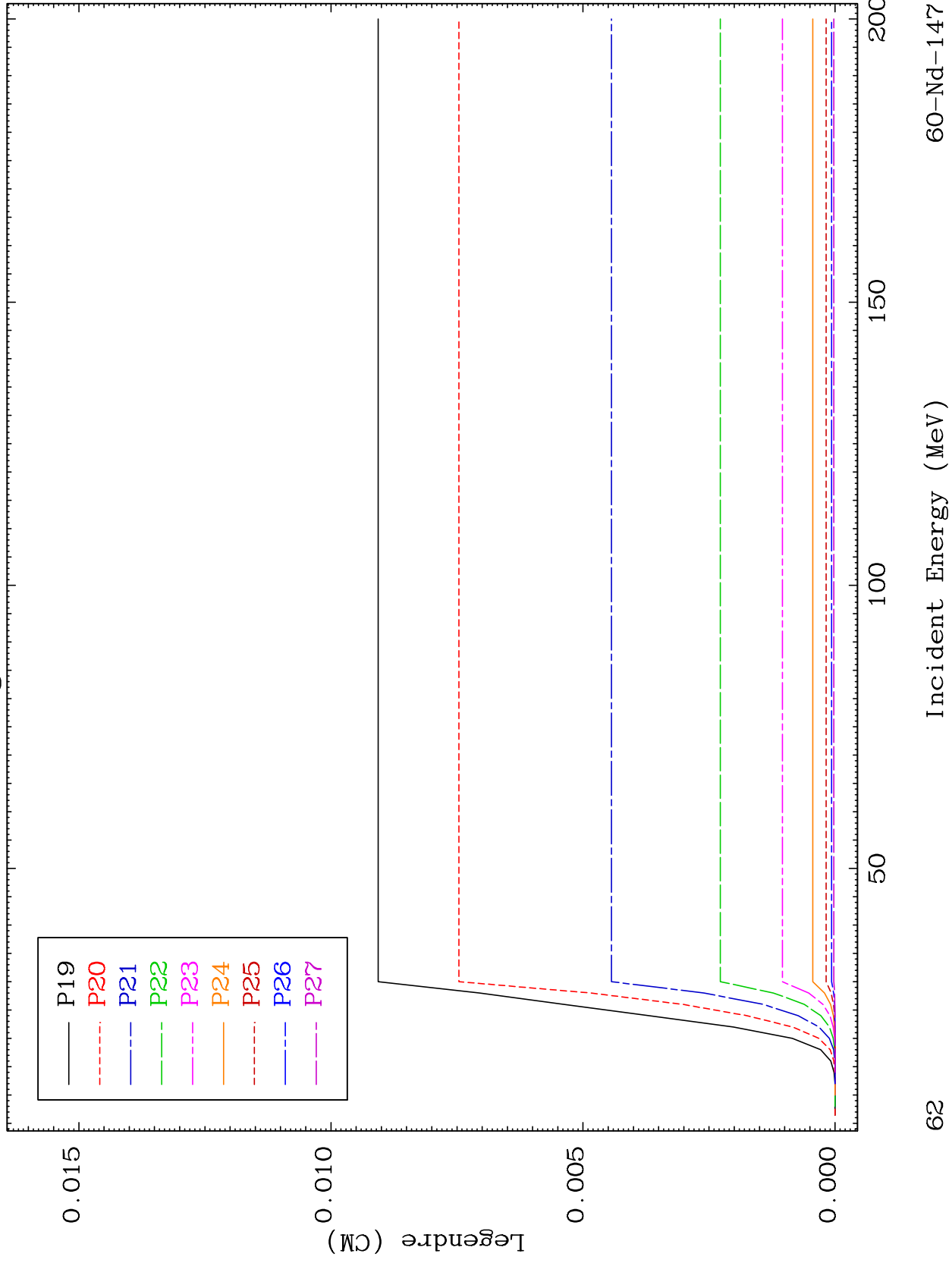




MAT 6040

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

60-Nd-147

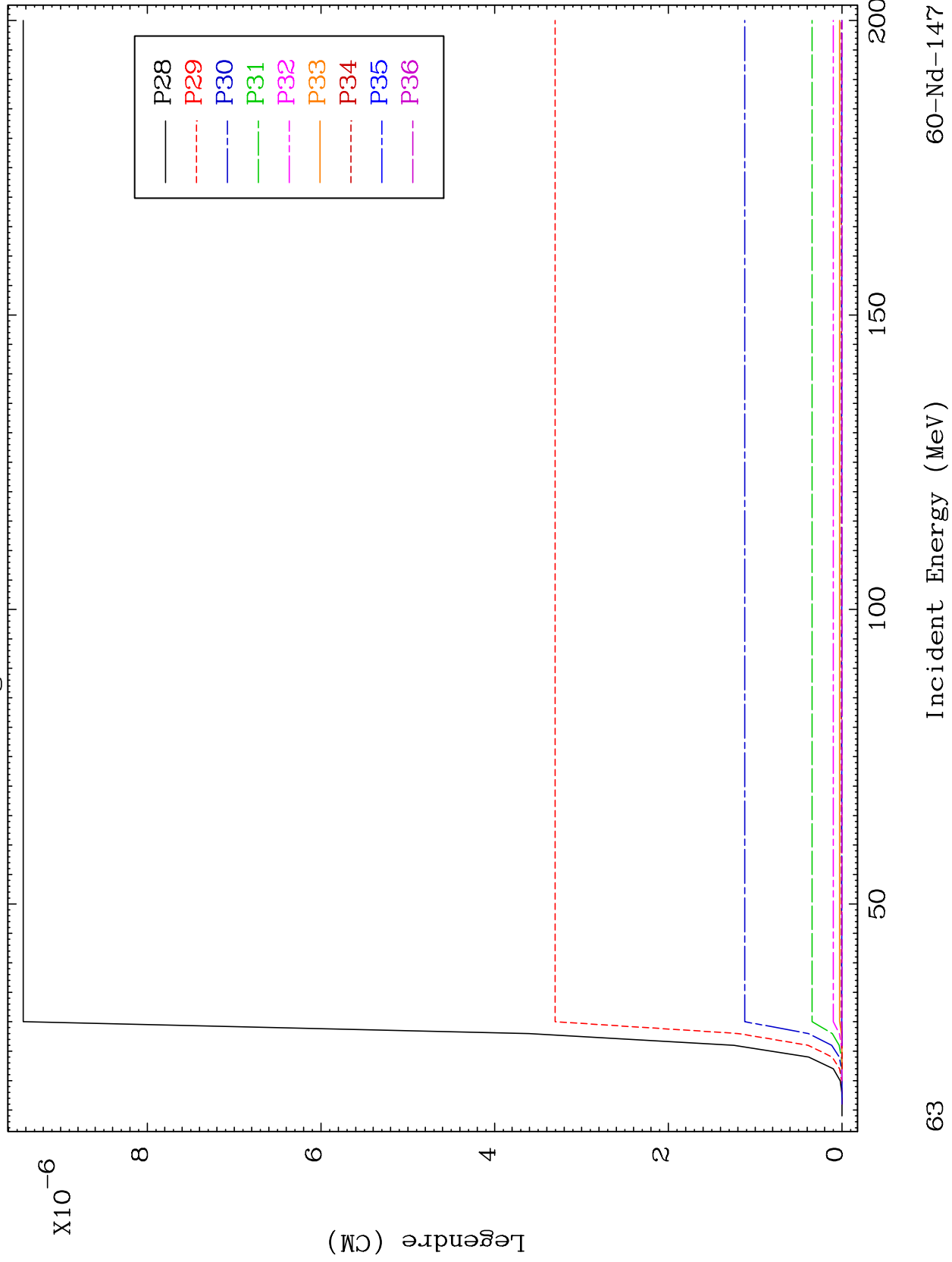


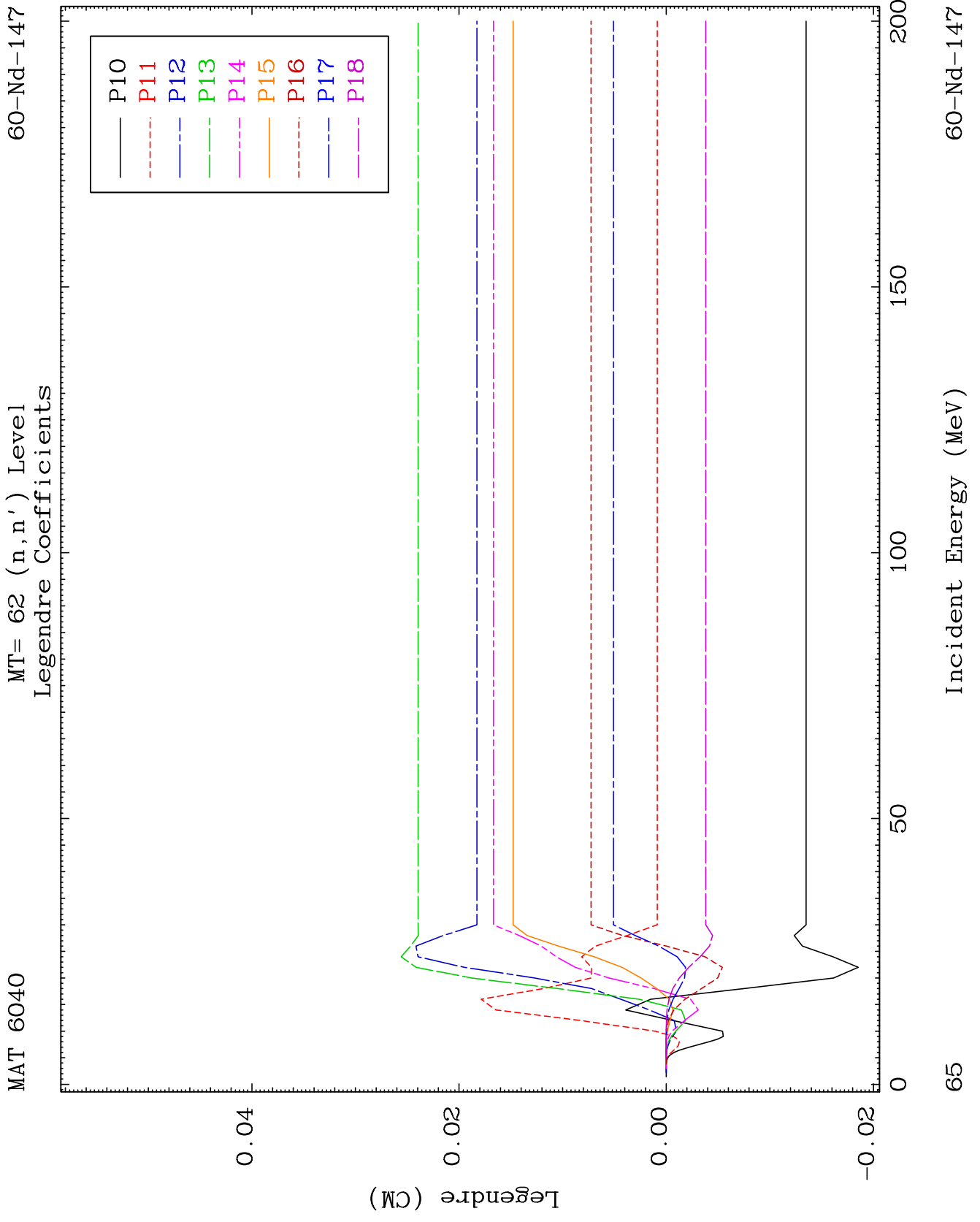
62

MAT 6040

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

60-Nd-147

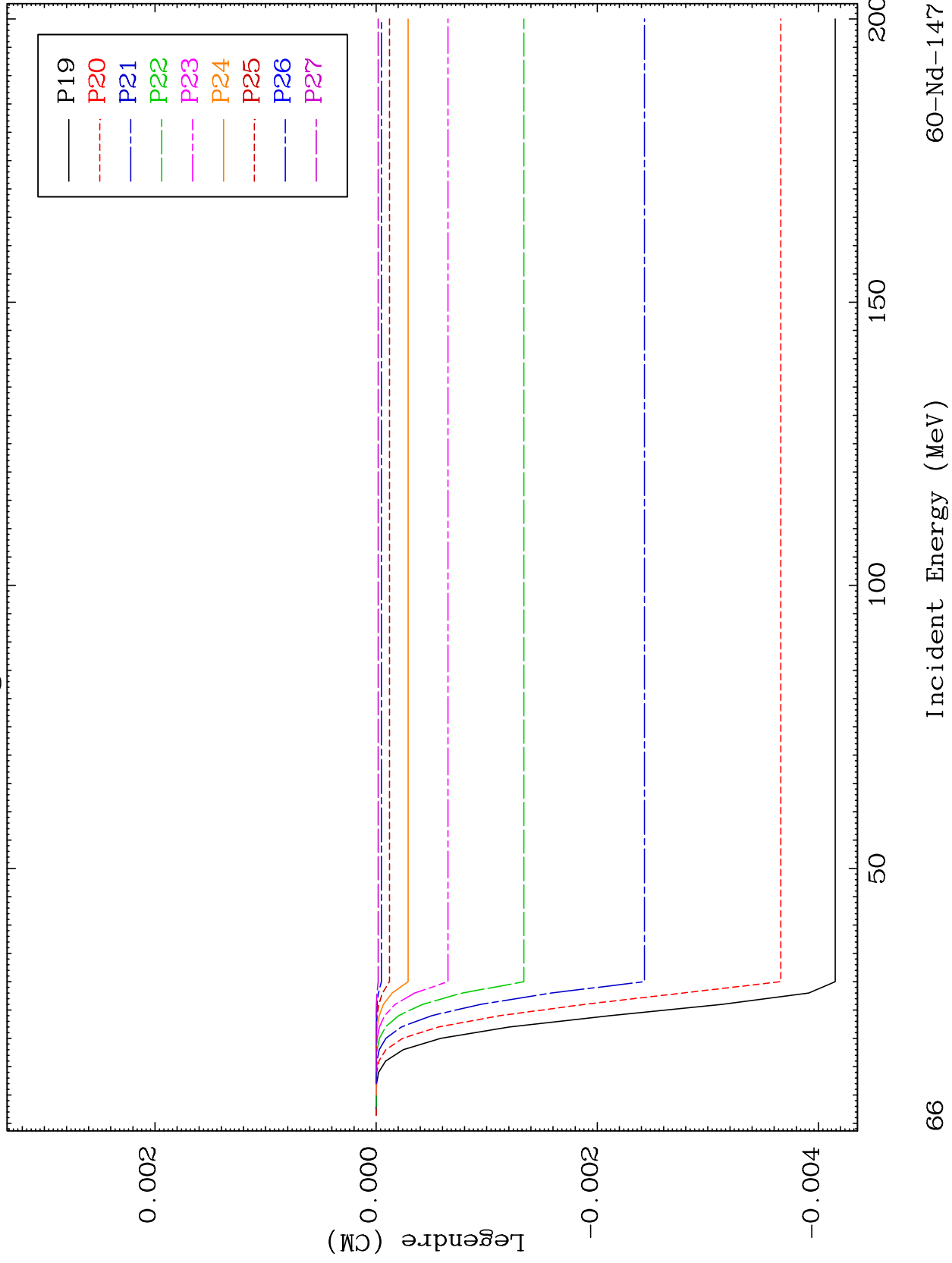




MAT 6040

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

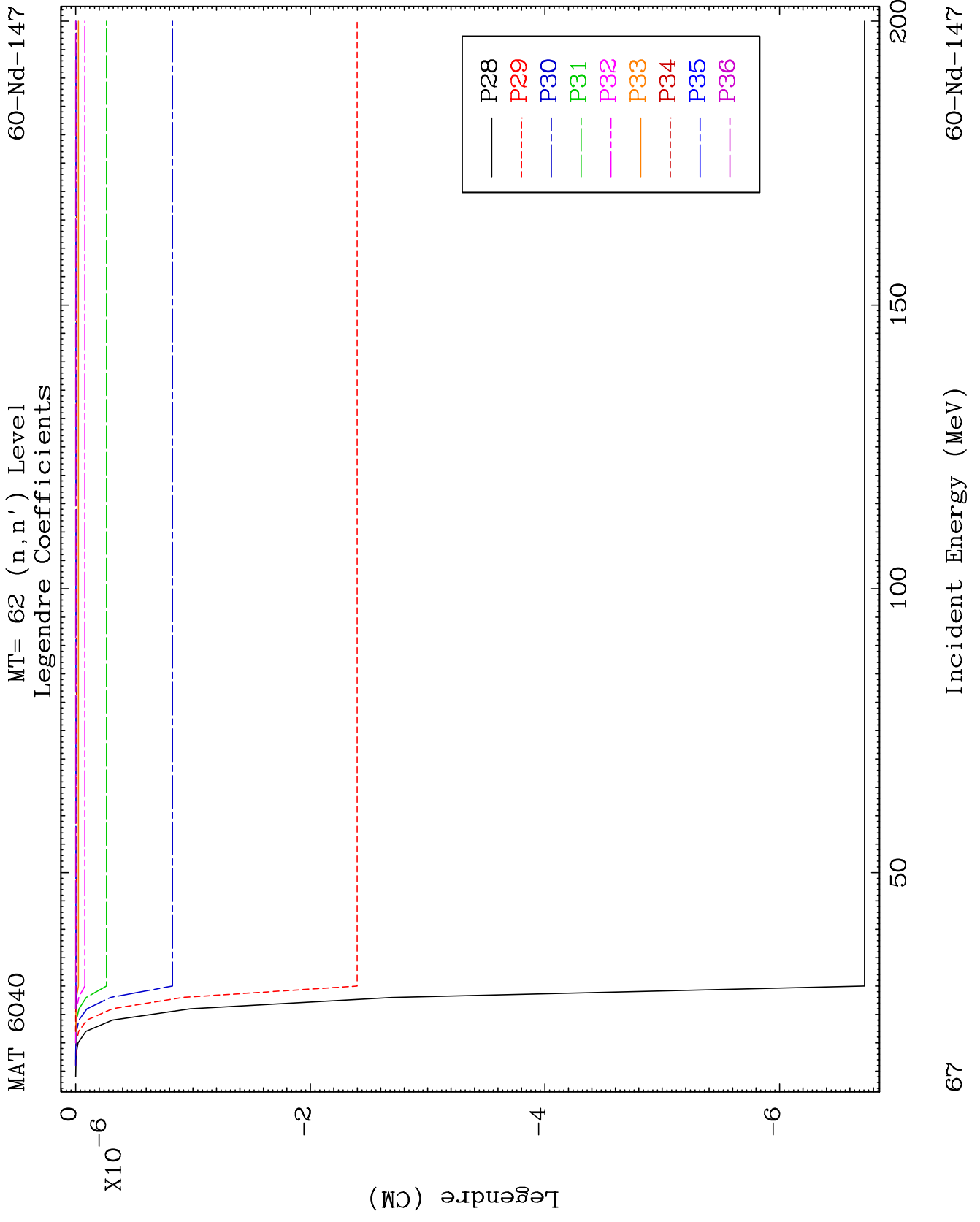
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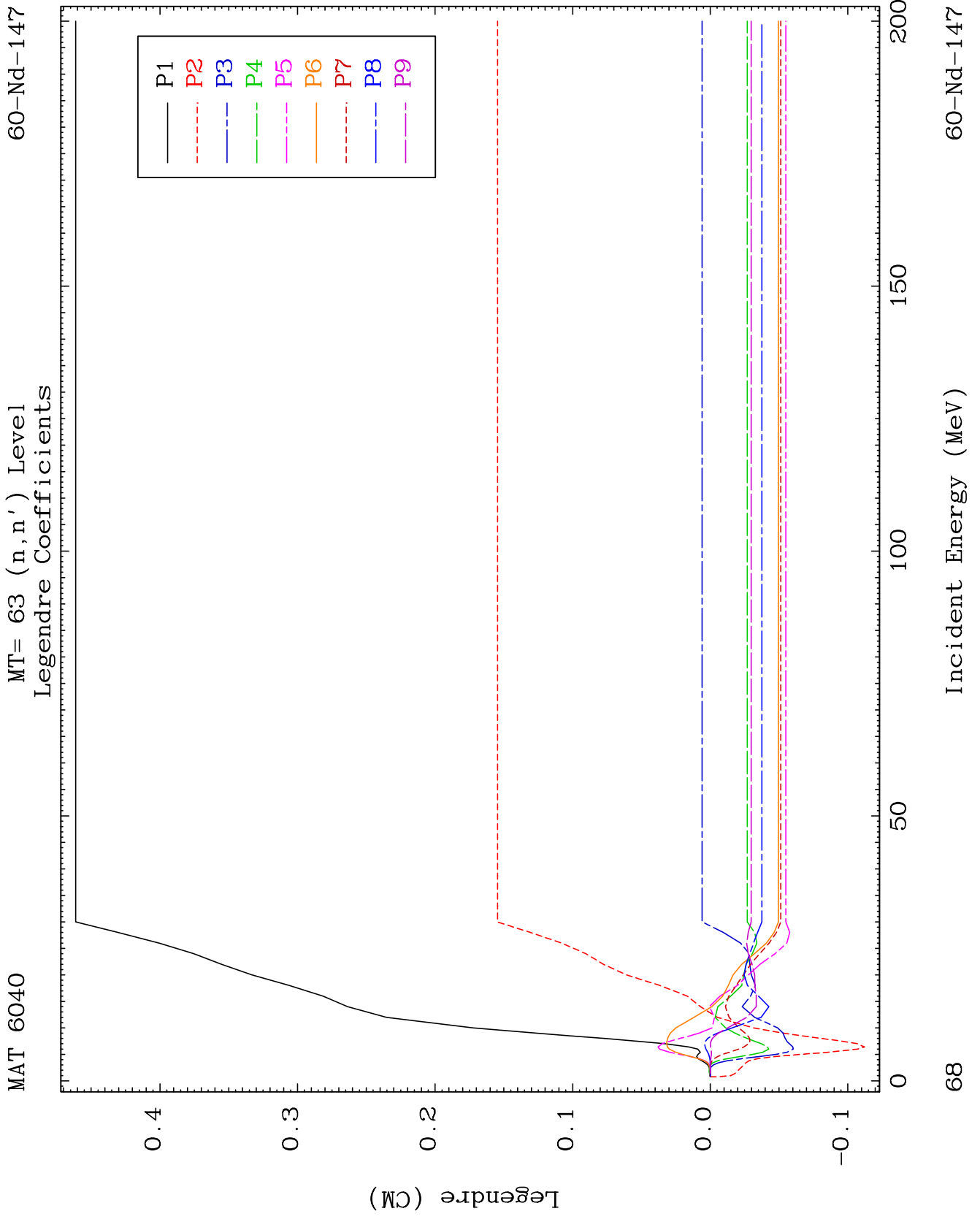


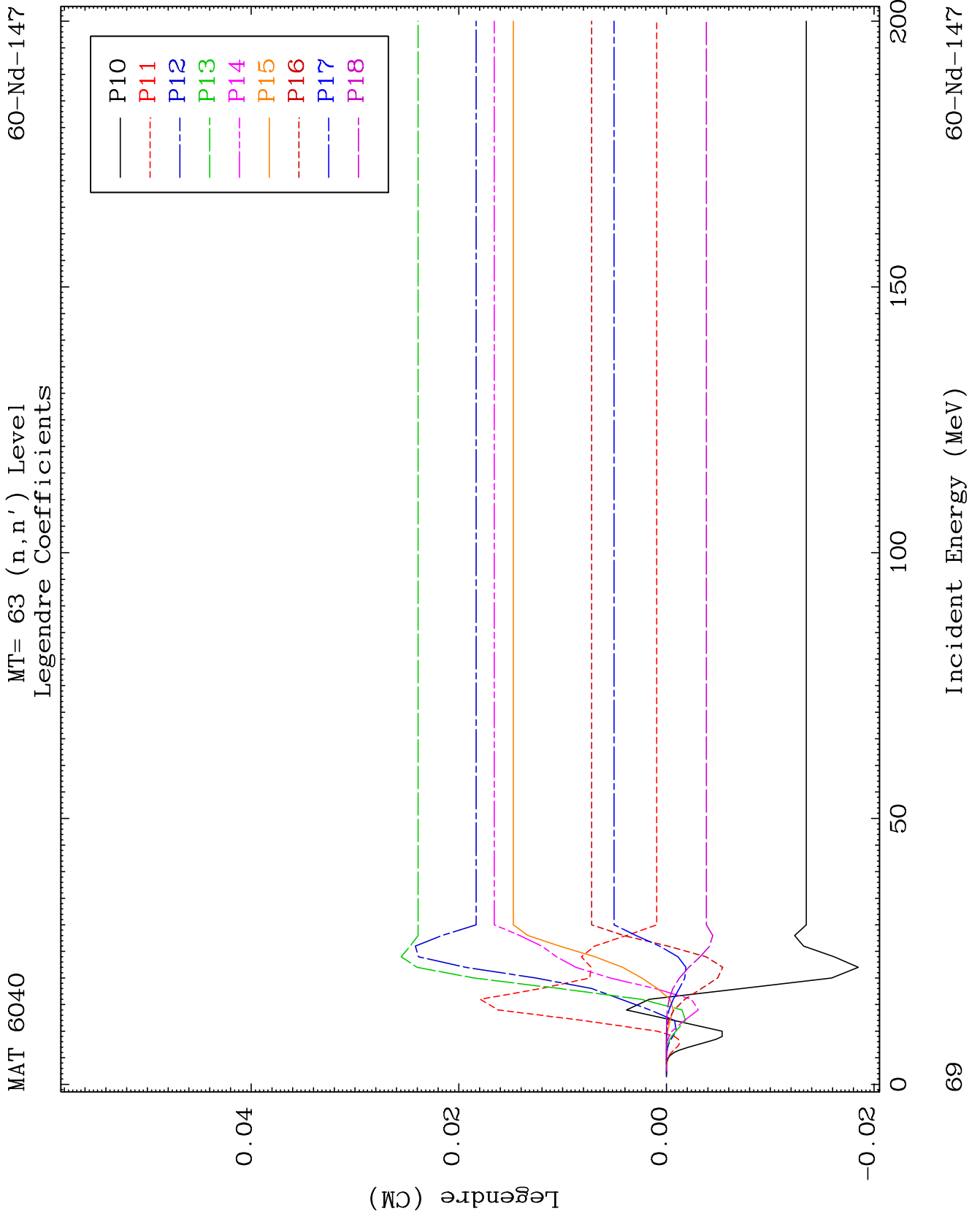
66

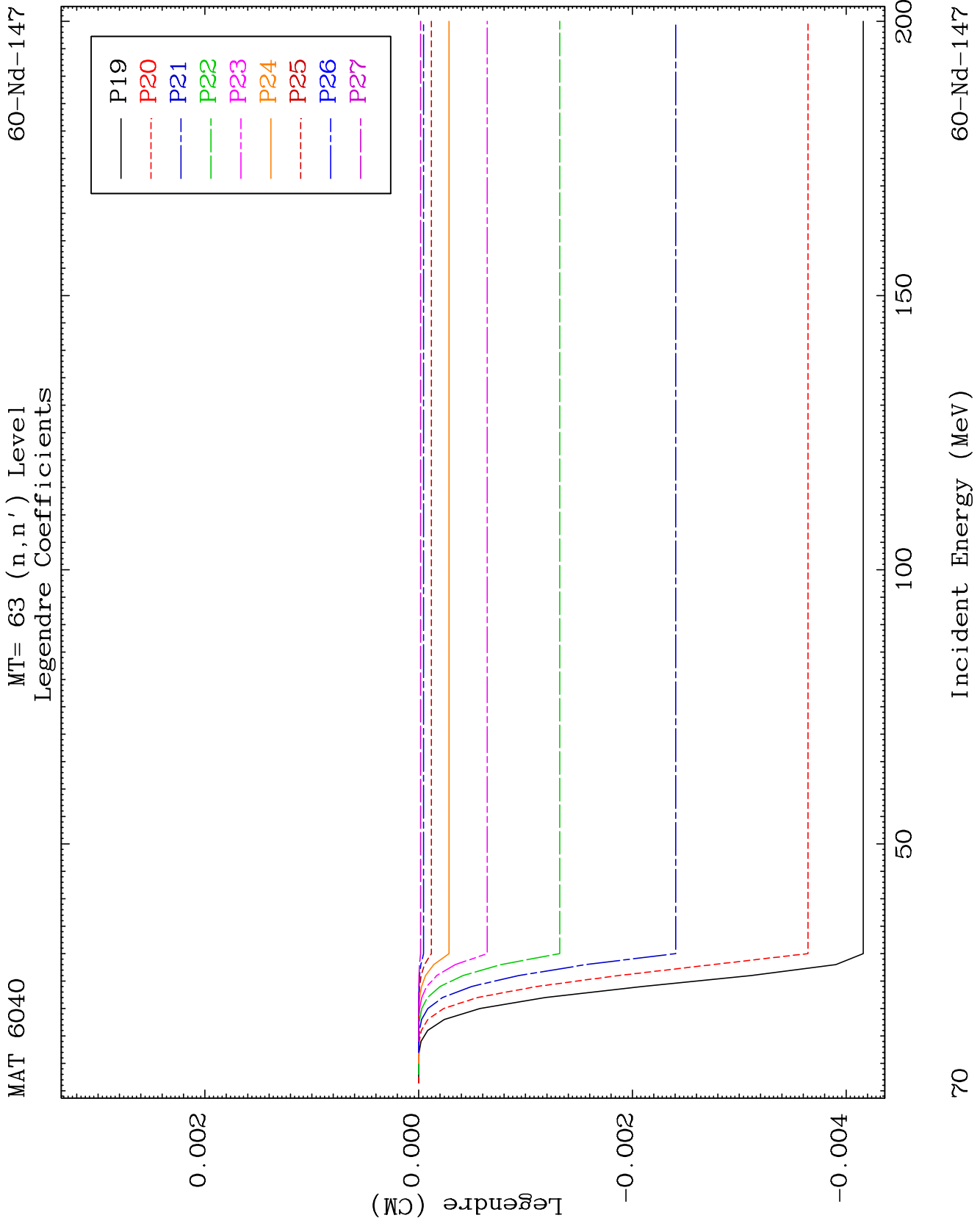
Incident Energy (MeV)

60-Nd-147





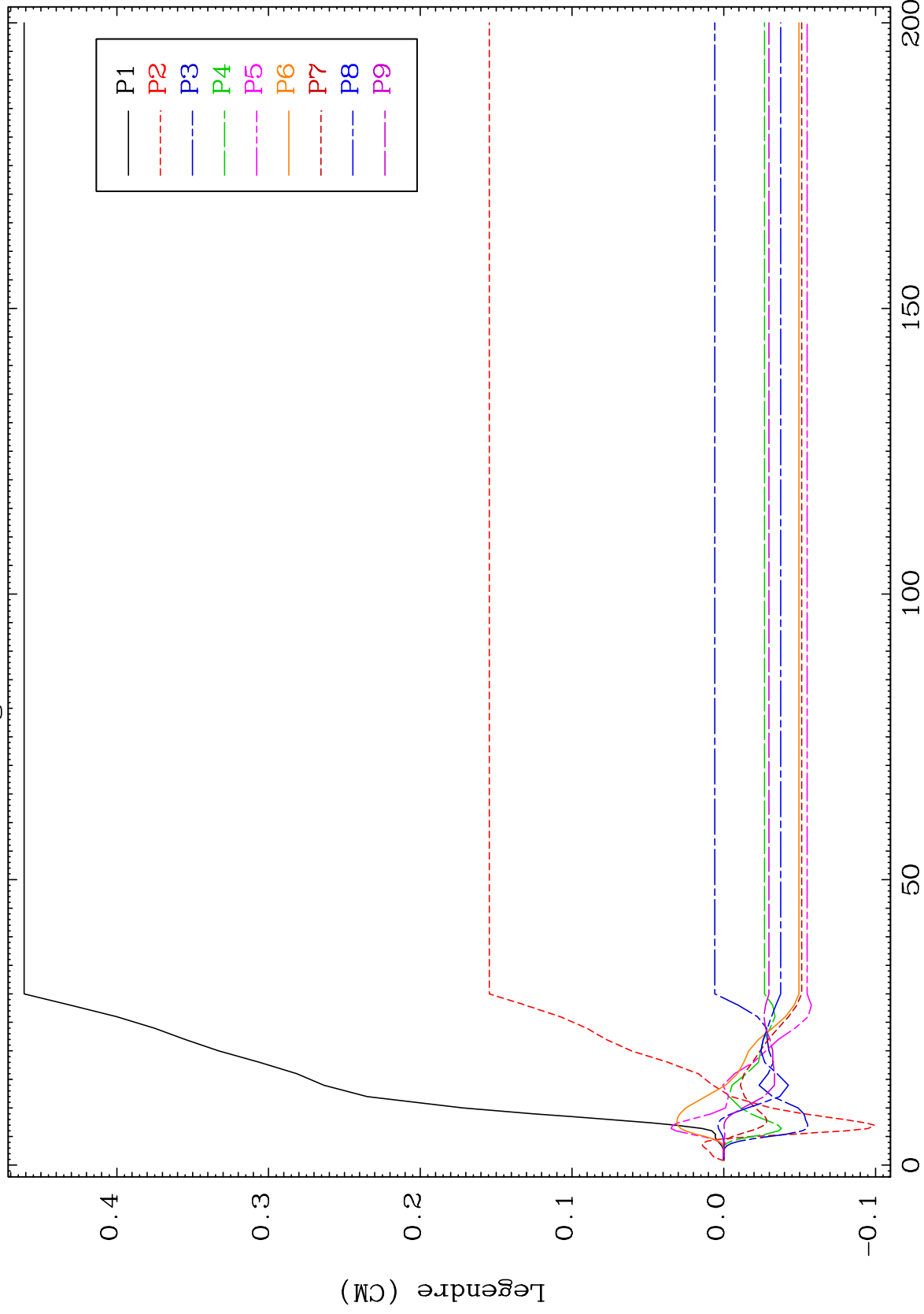




MAT 6040

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

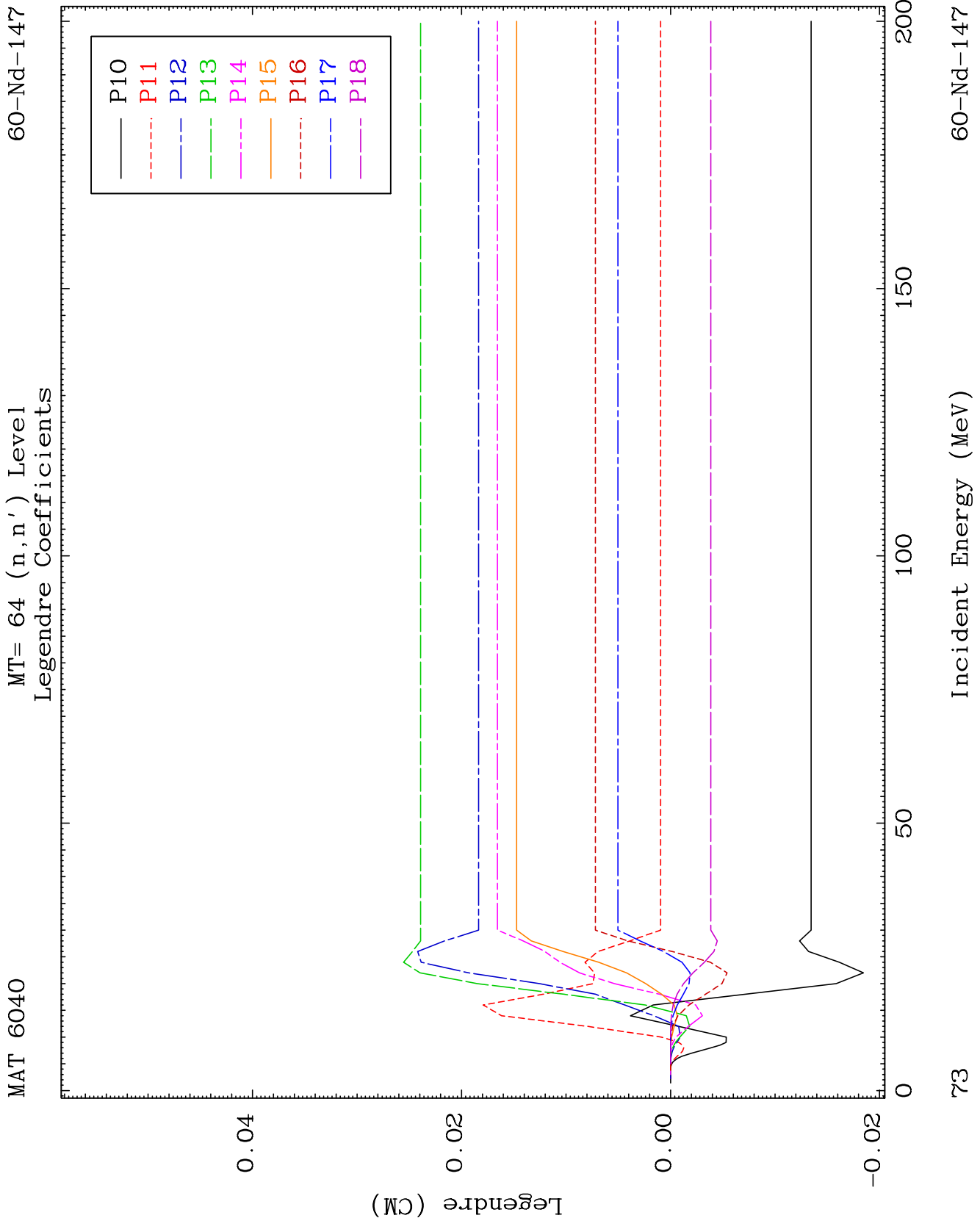
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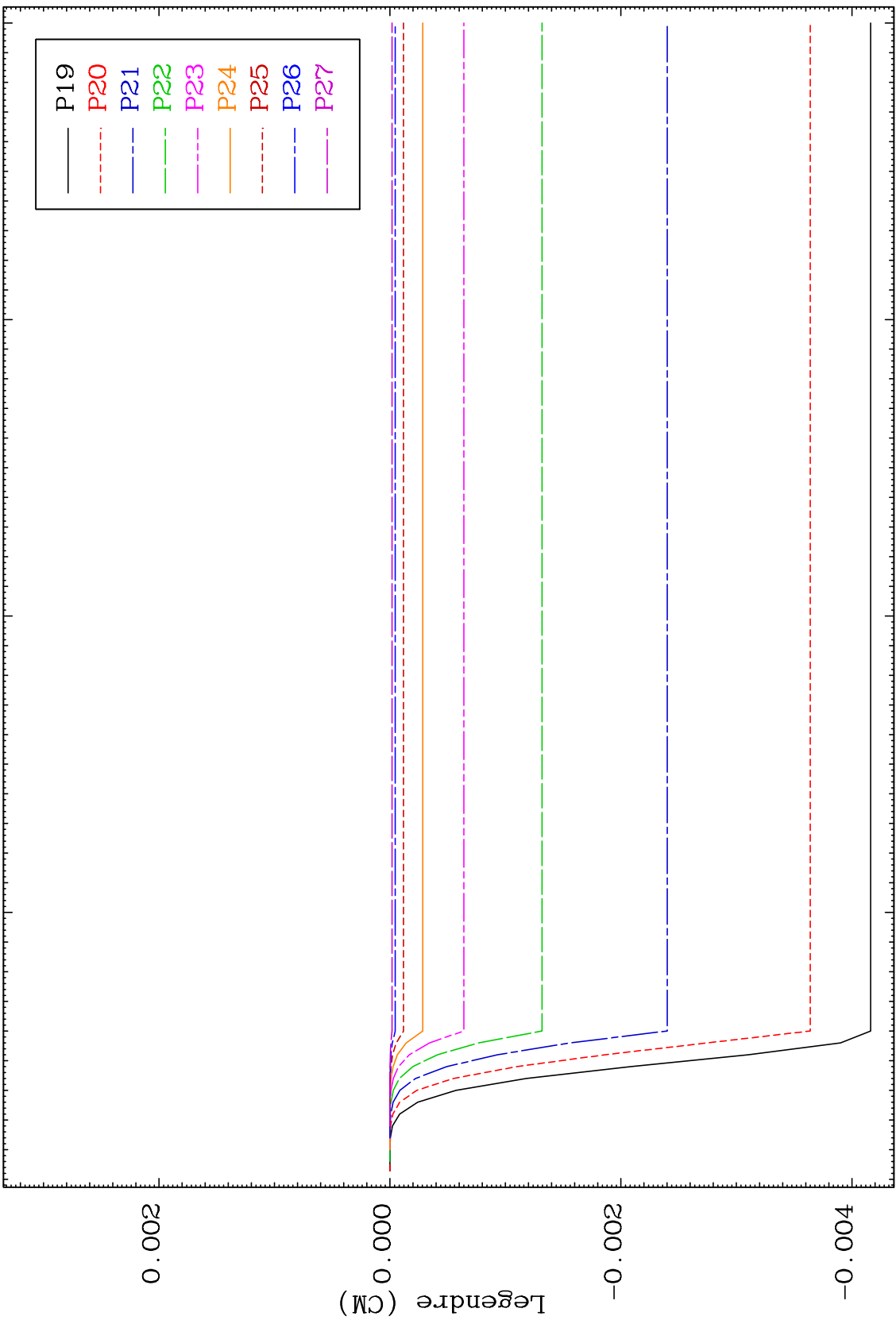
72

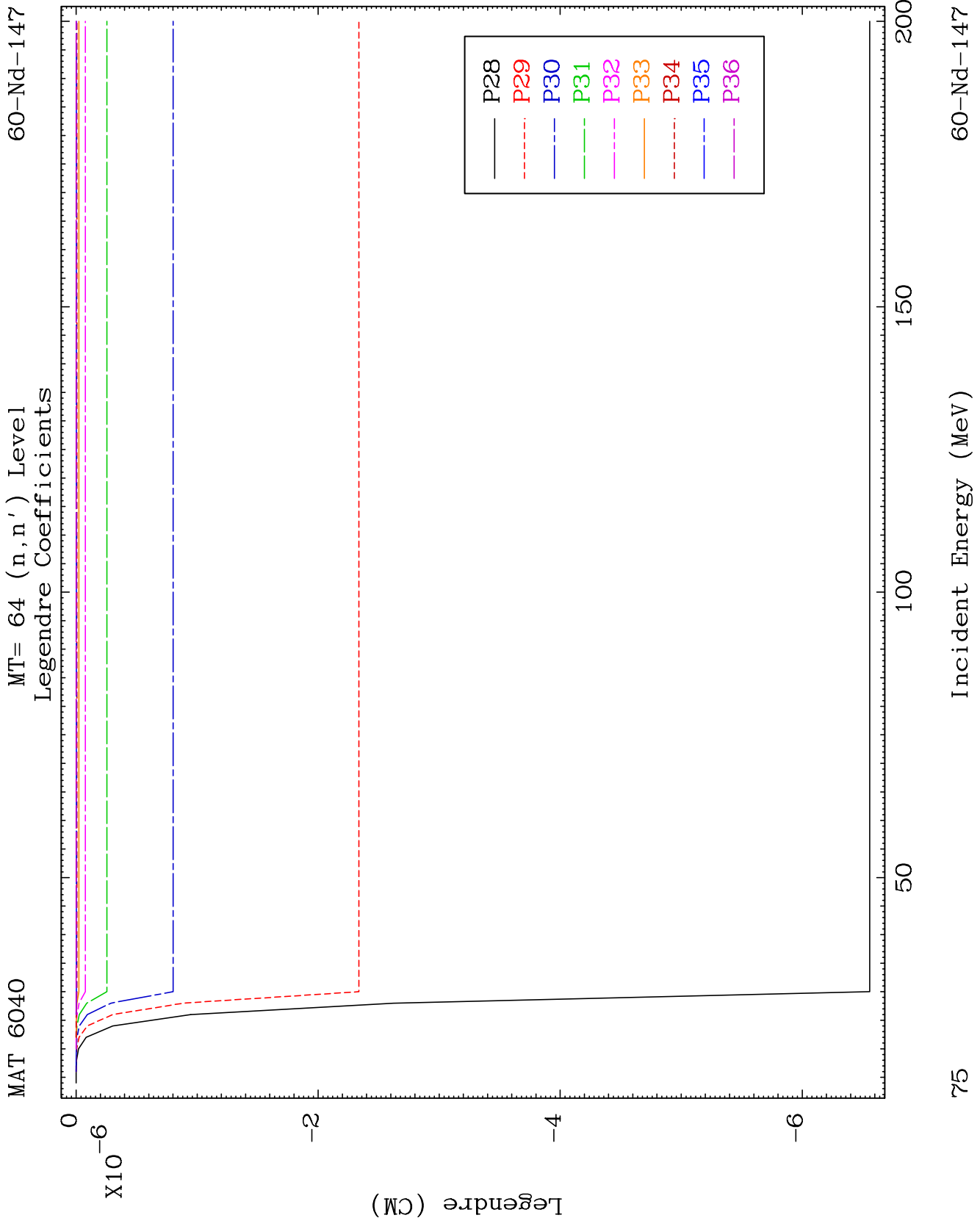
Incident Energy (MeV)

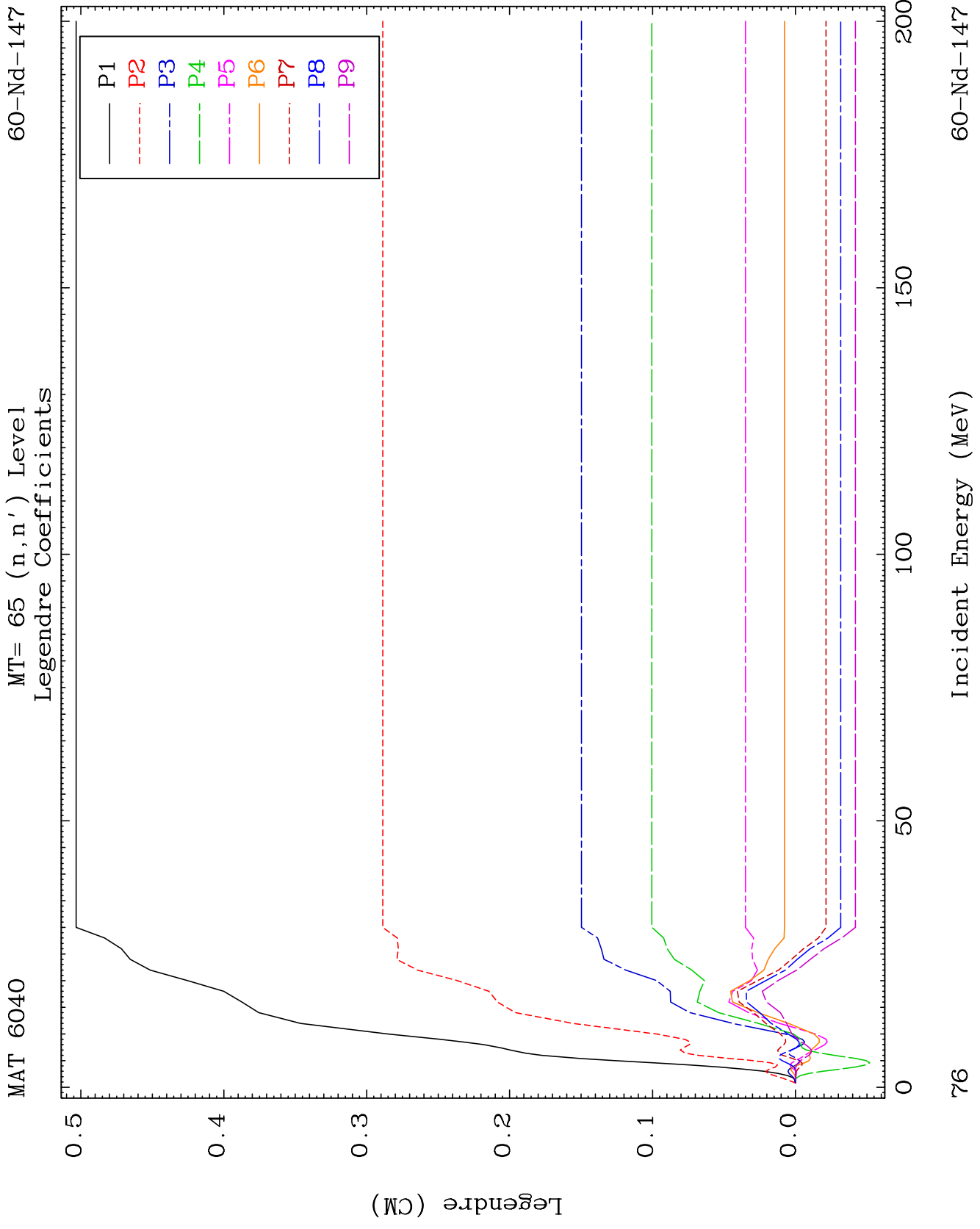
60-Nd-147



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



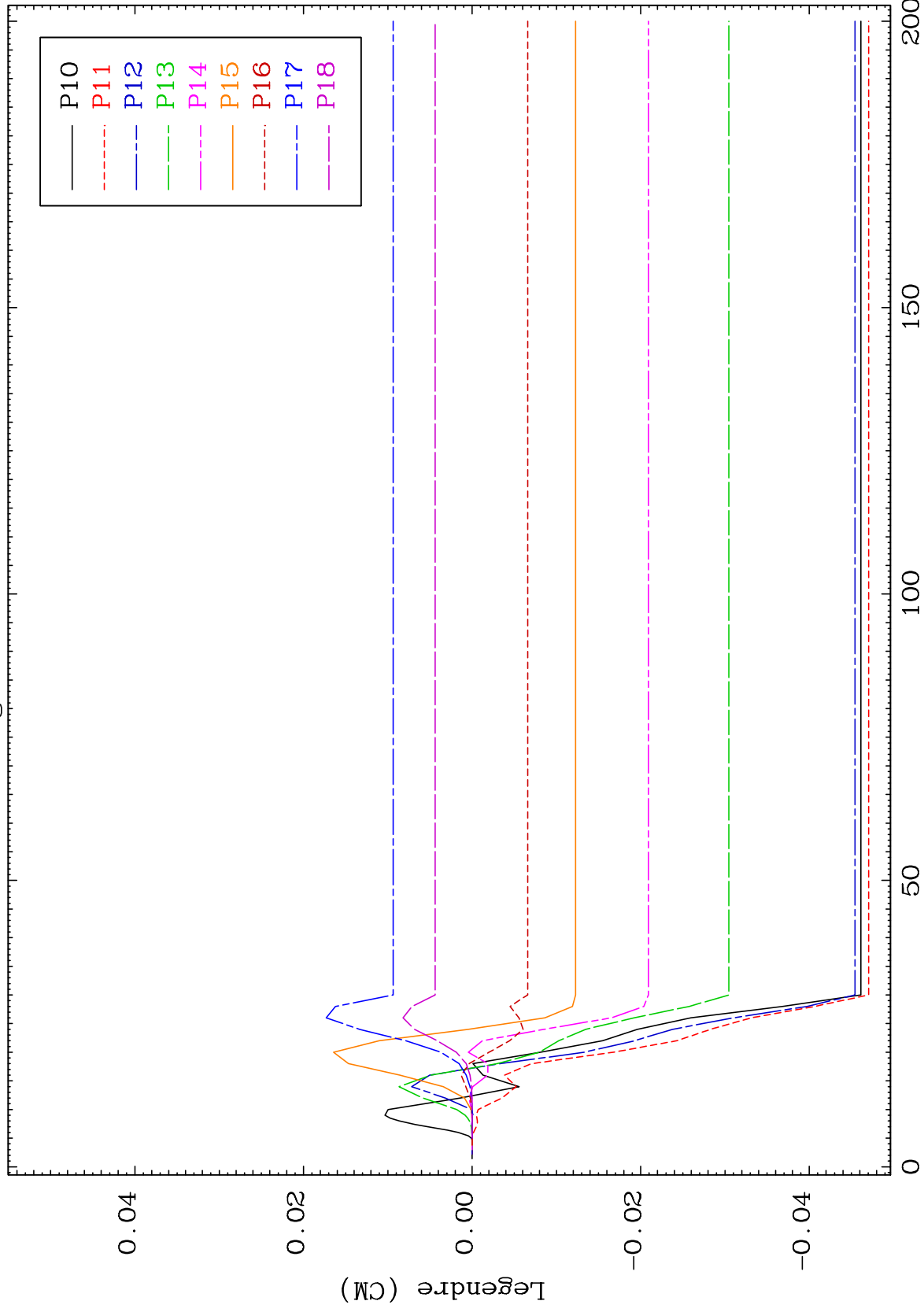




MAT 6040

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

60-Nd-147



77

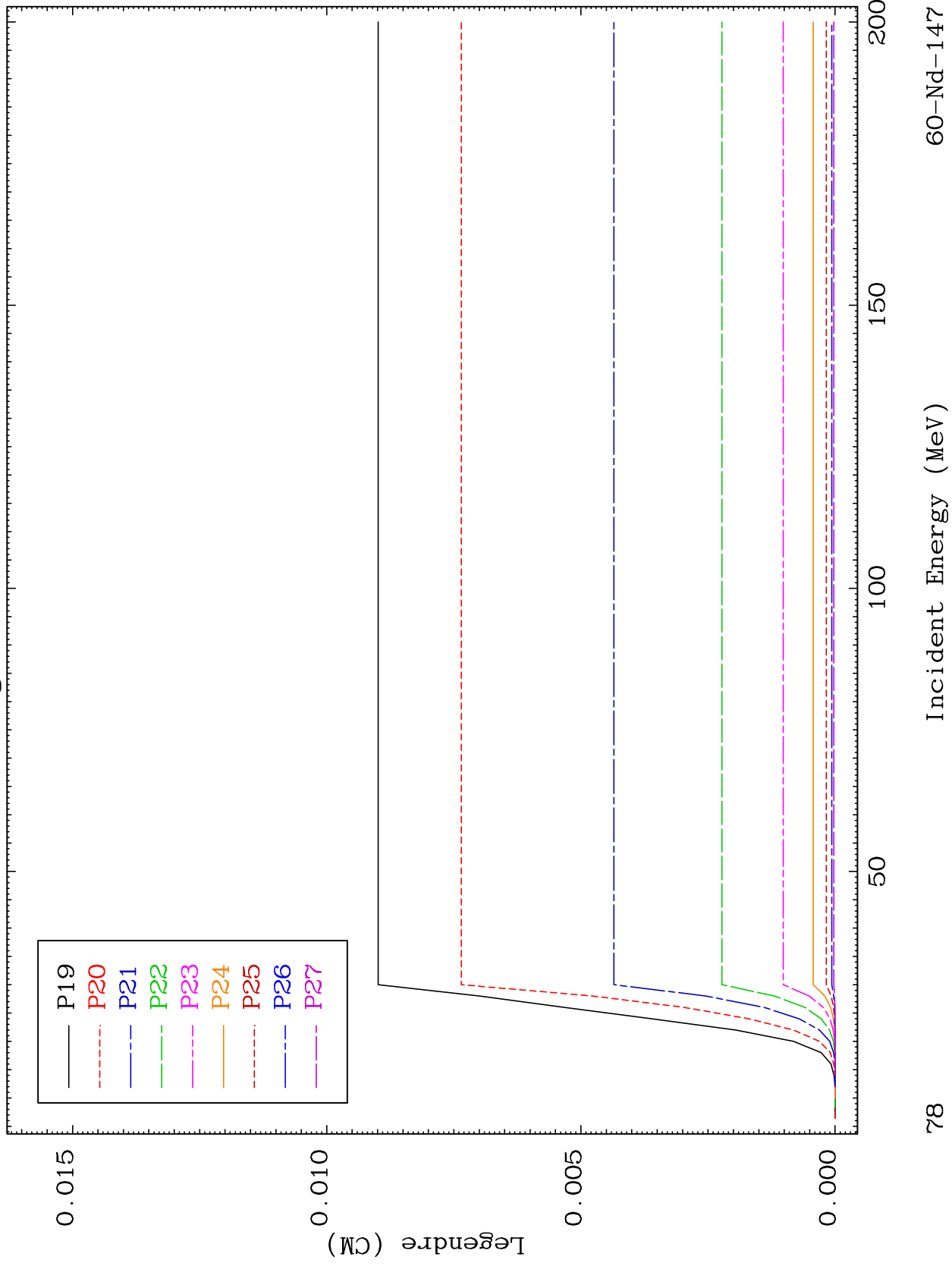
Incident Energy (MeV)

60-Nd-147

MAT 6040

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

60-Nd-147



78

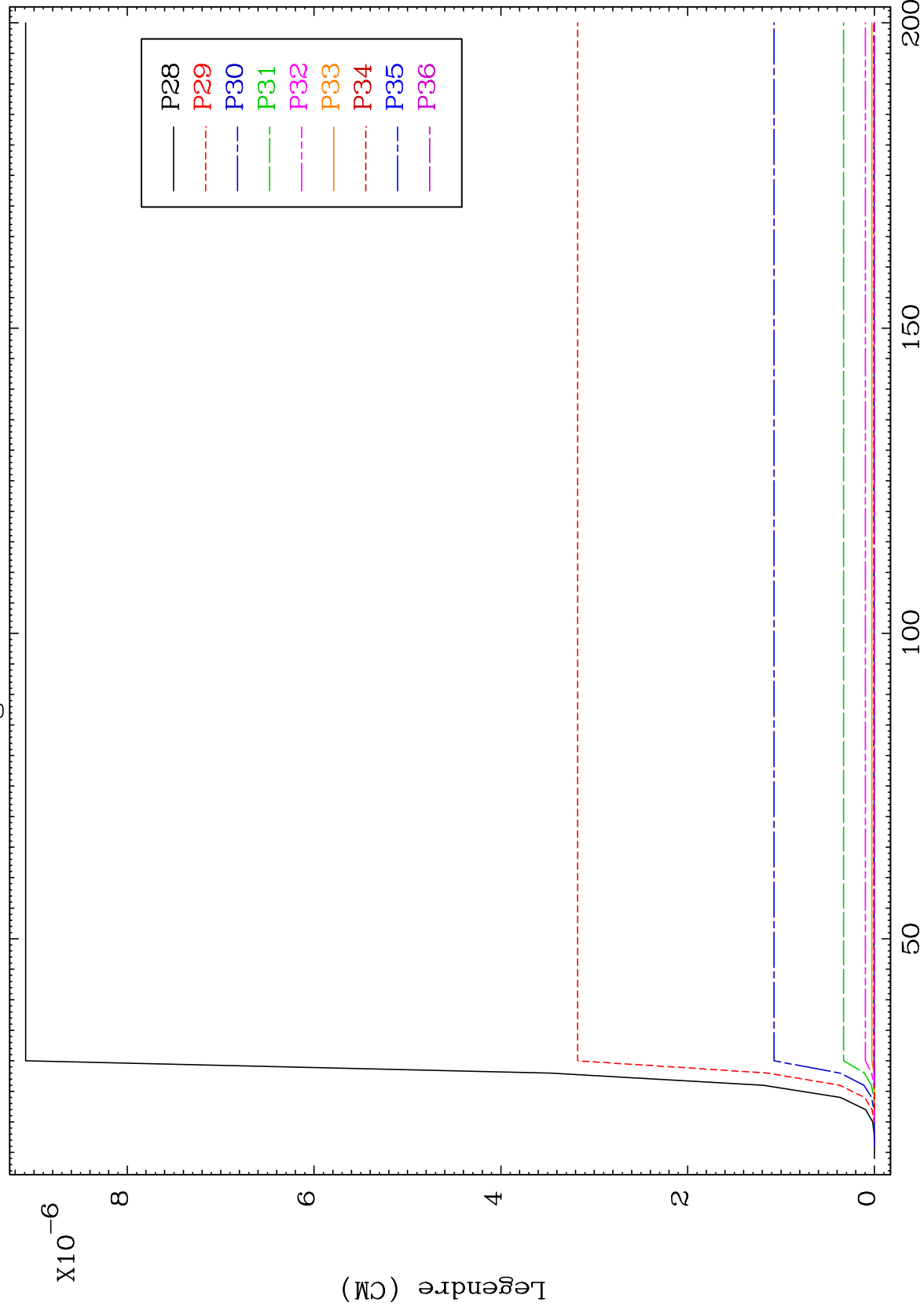
Incident Energy (MeV)

60-Nd-147

MAT 6040

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

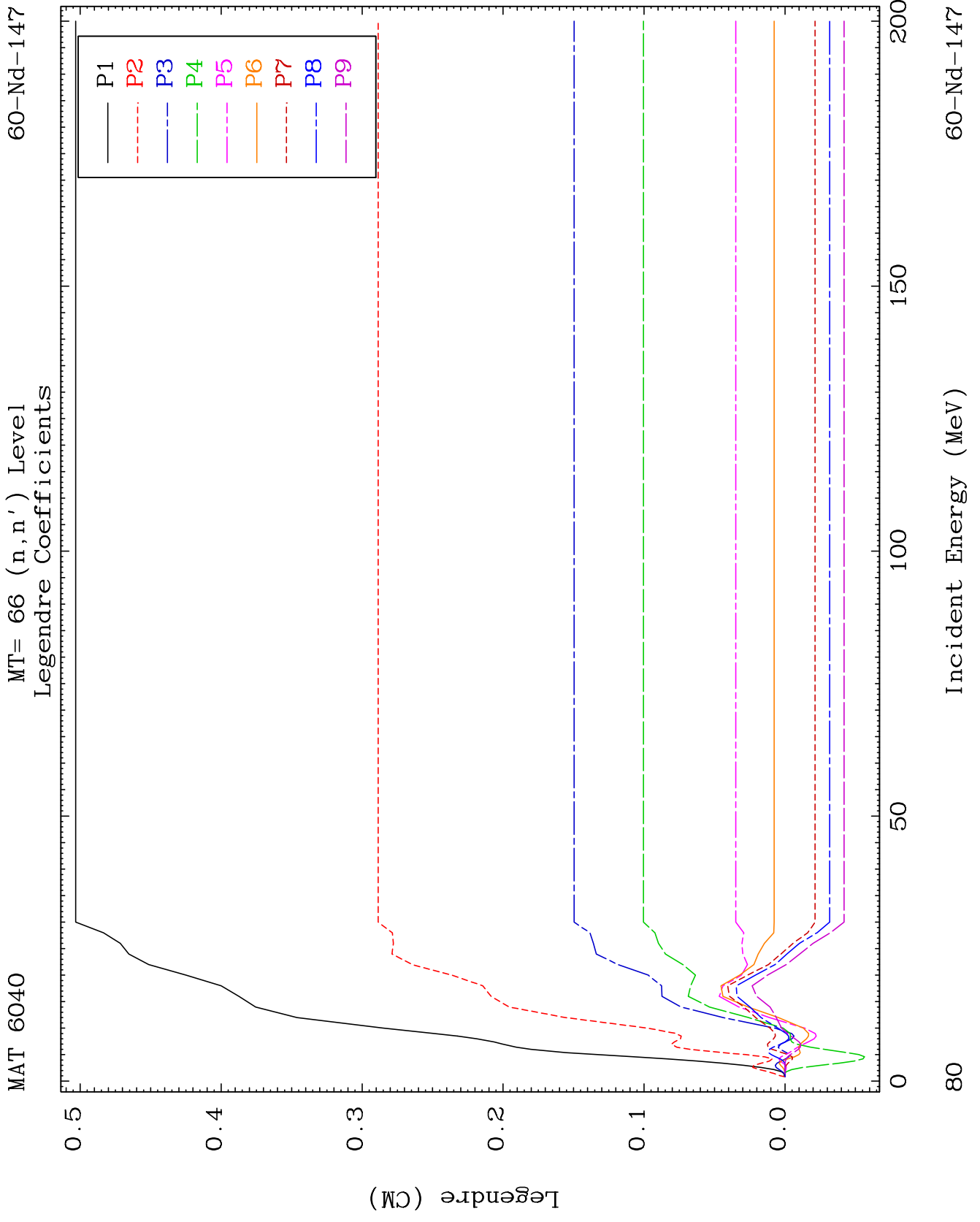
60-Nd-147



60-Nd-147

Incident Energy (MeV)

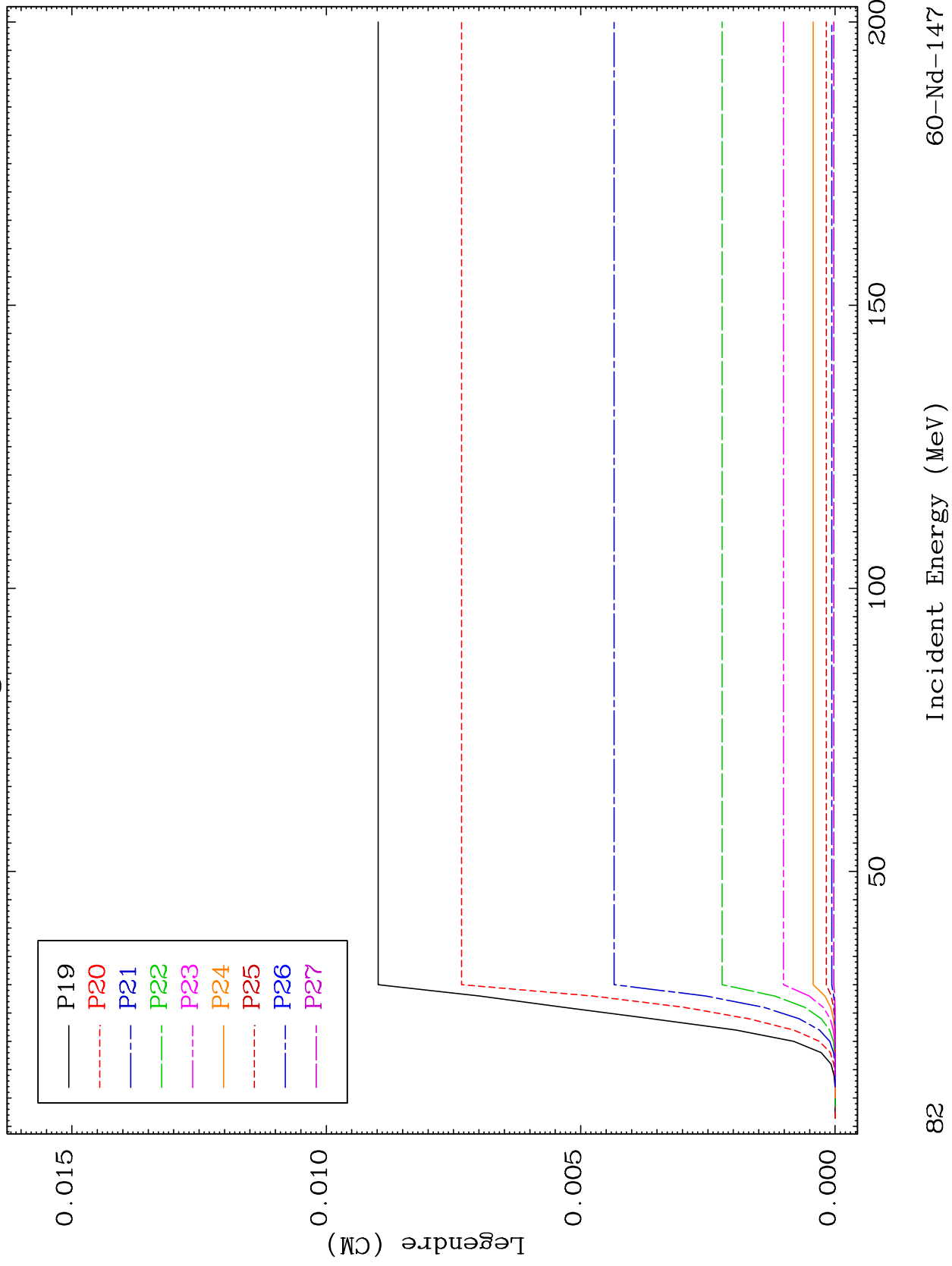
79



MAT 6040

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

60-Nd-147



82

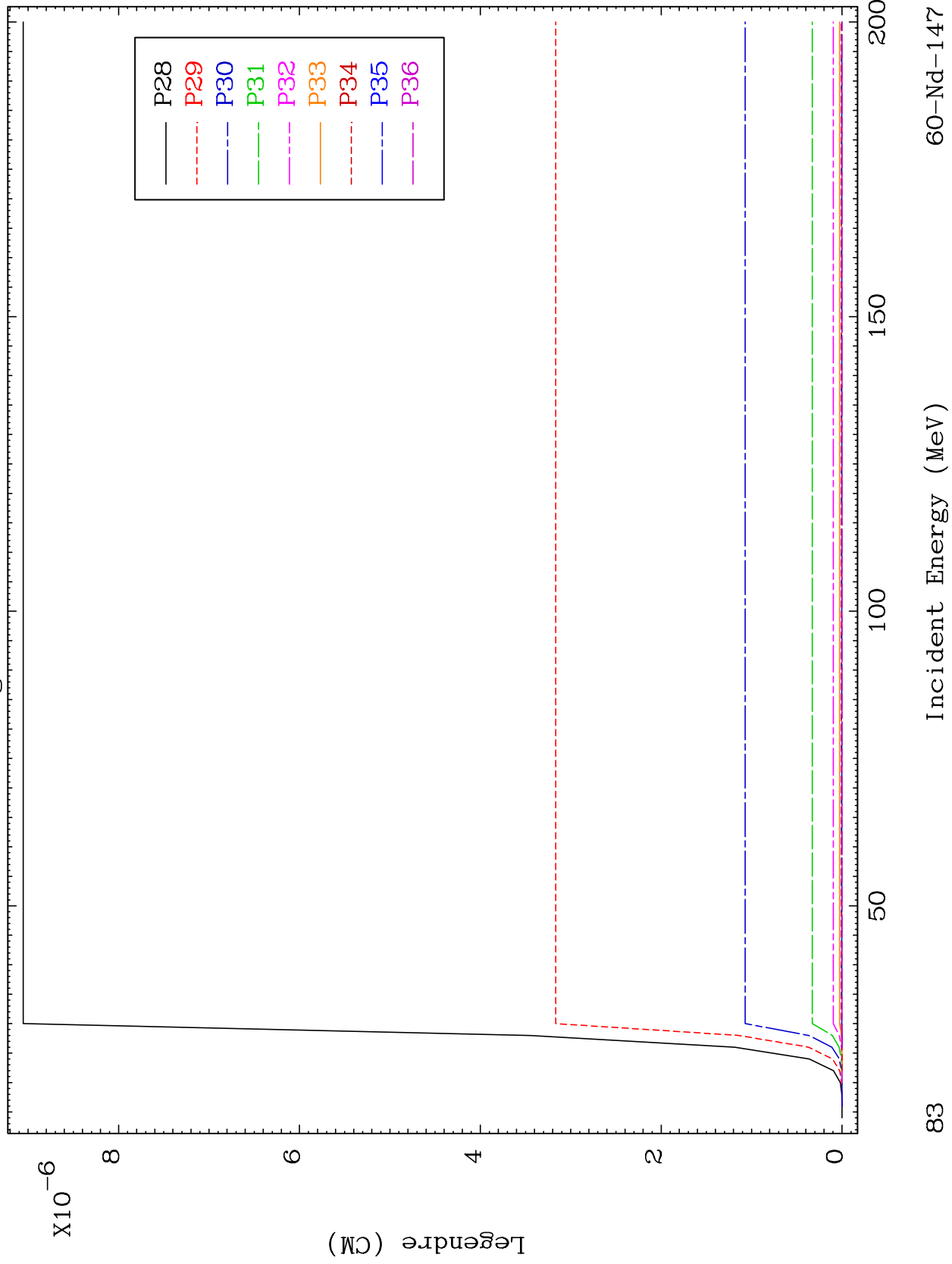
Incident Energy (MeV)

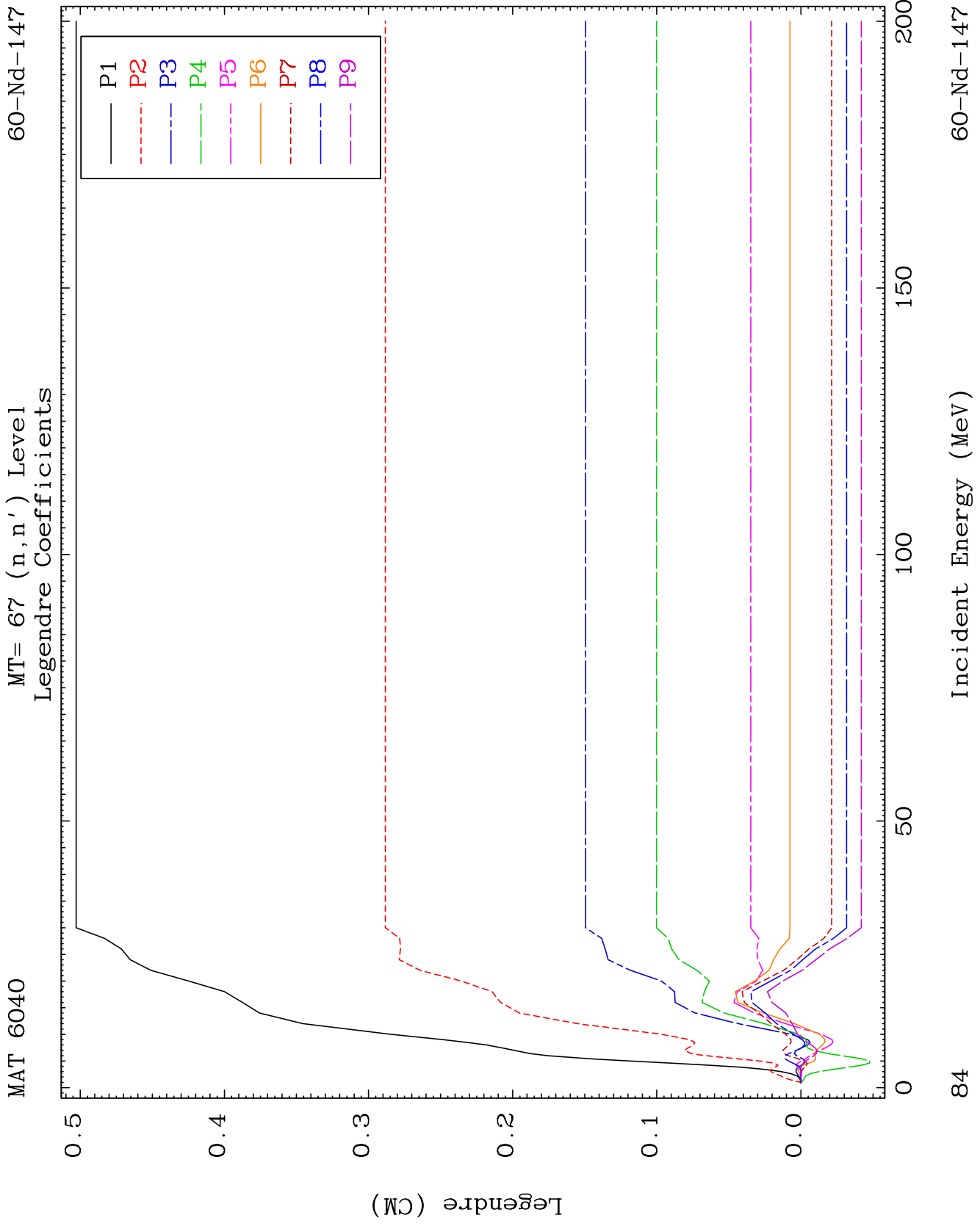
60-Nd-147

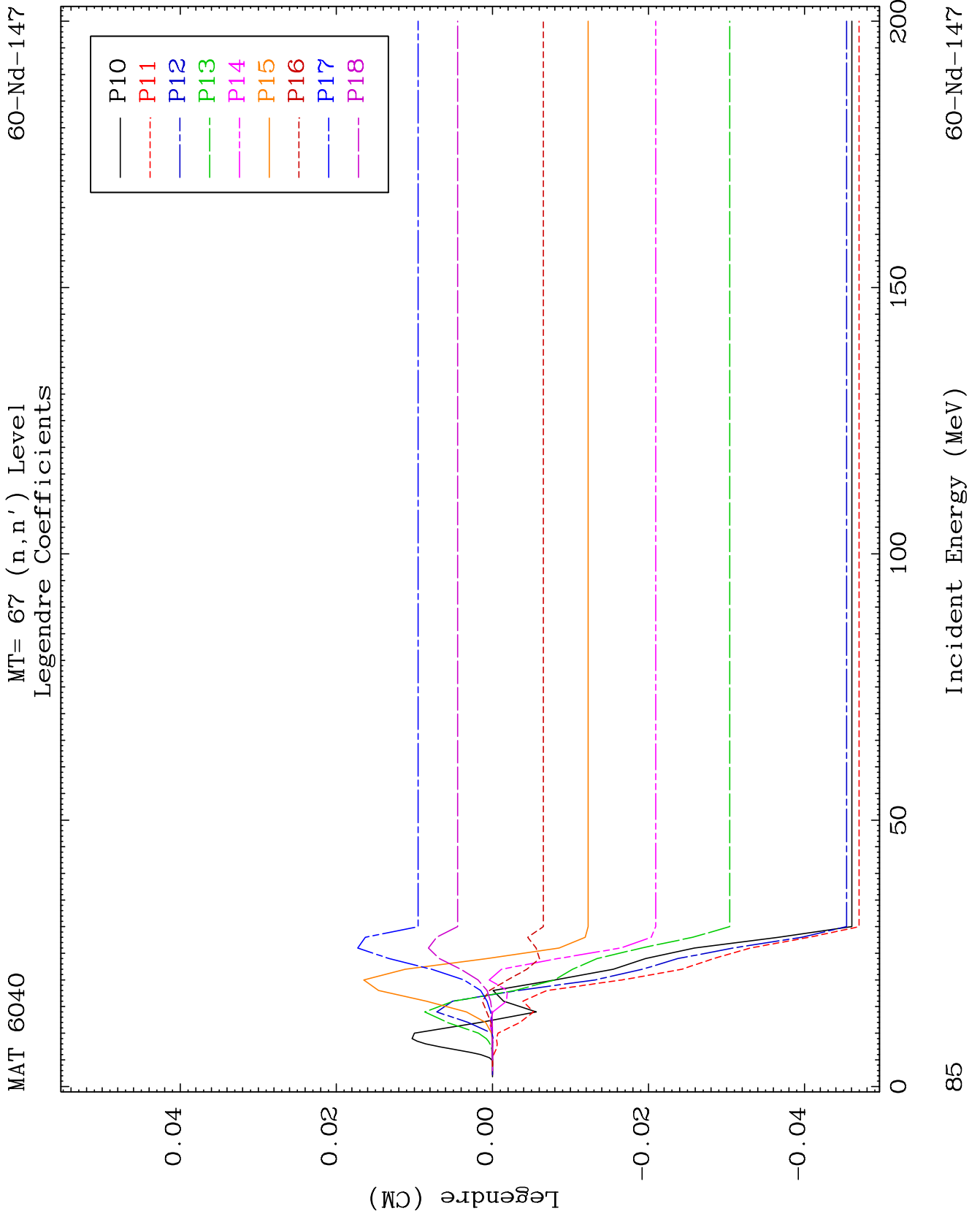
MAT 6040

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

60-Nd-147



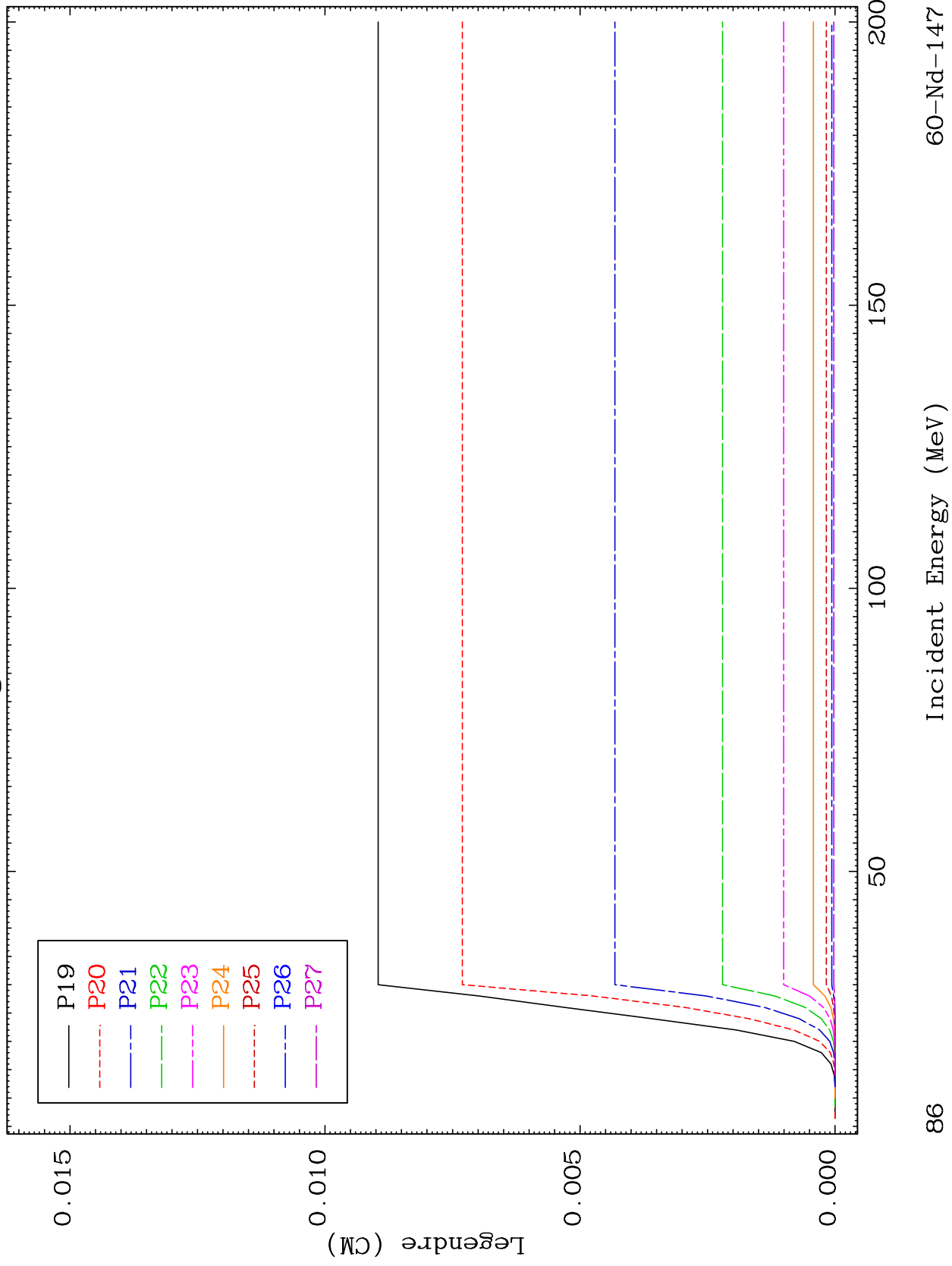




MAT 6040

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

60-Nd-147



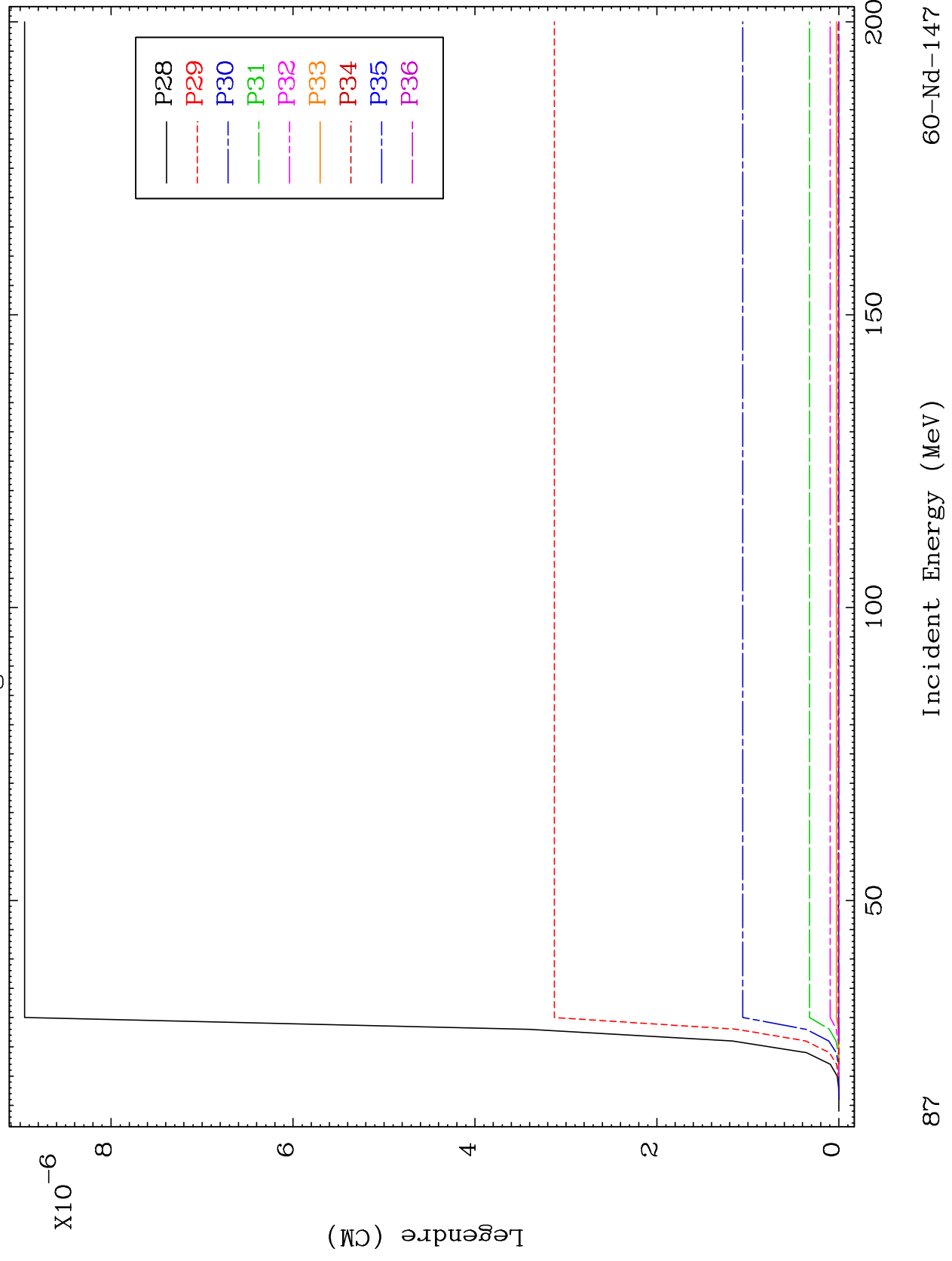
86

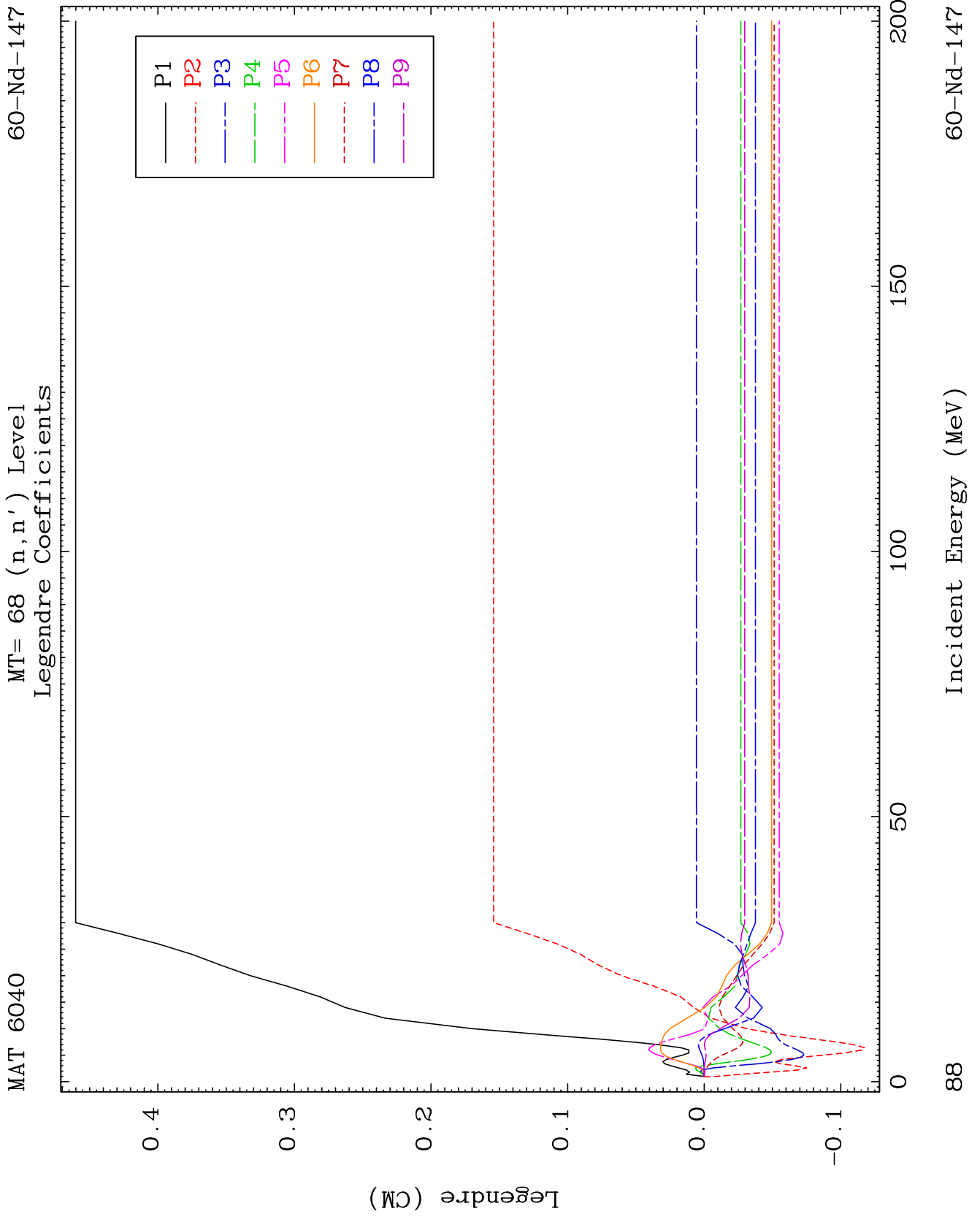
60-Nd-147

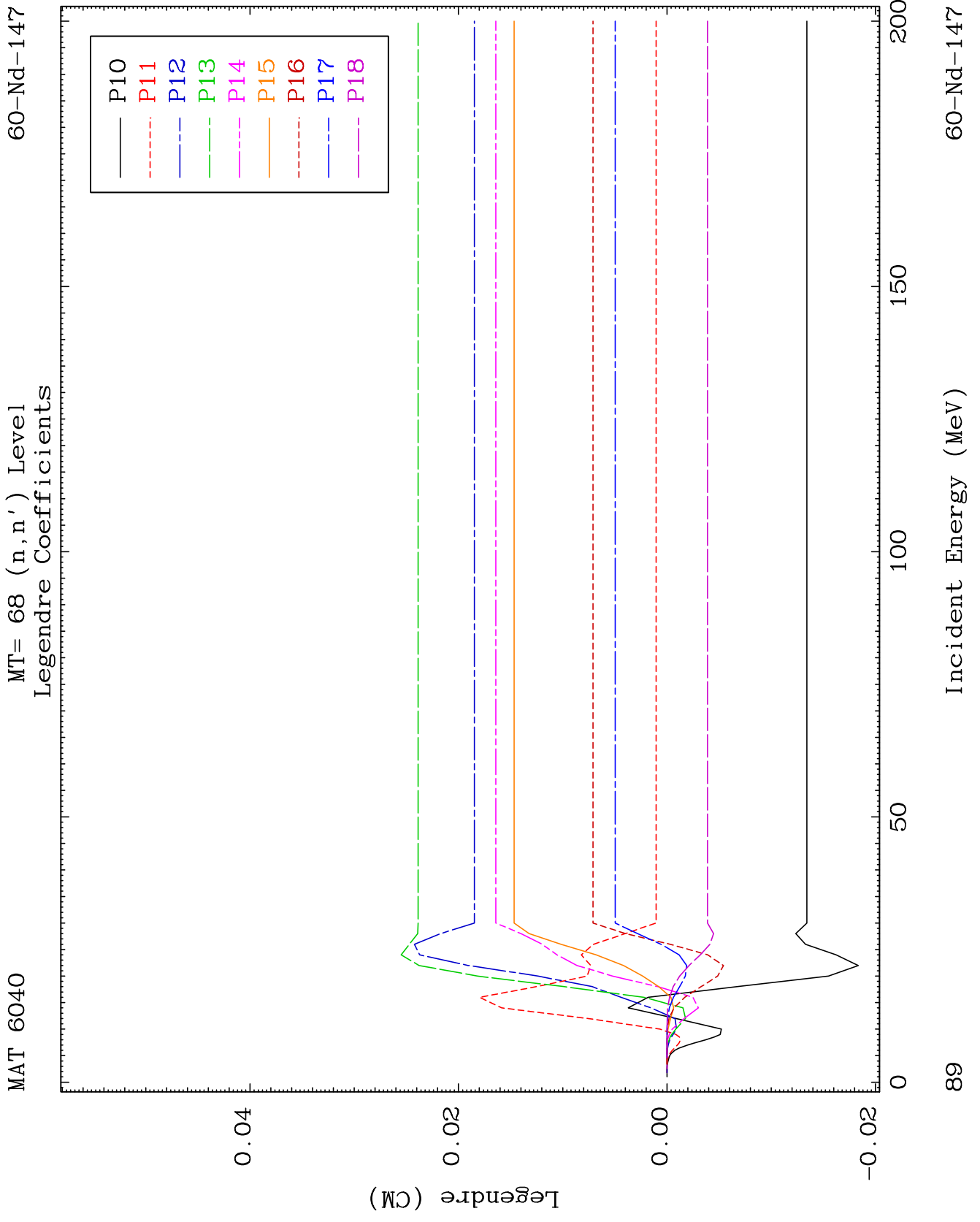
MAT 6040

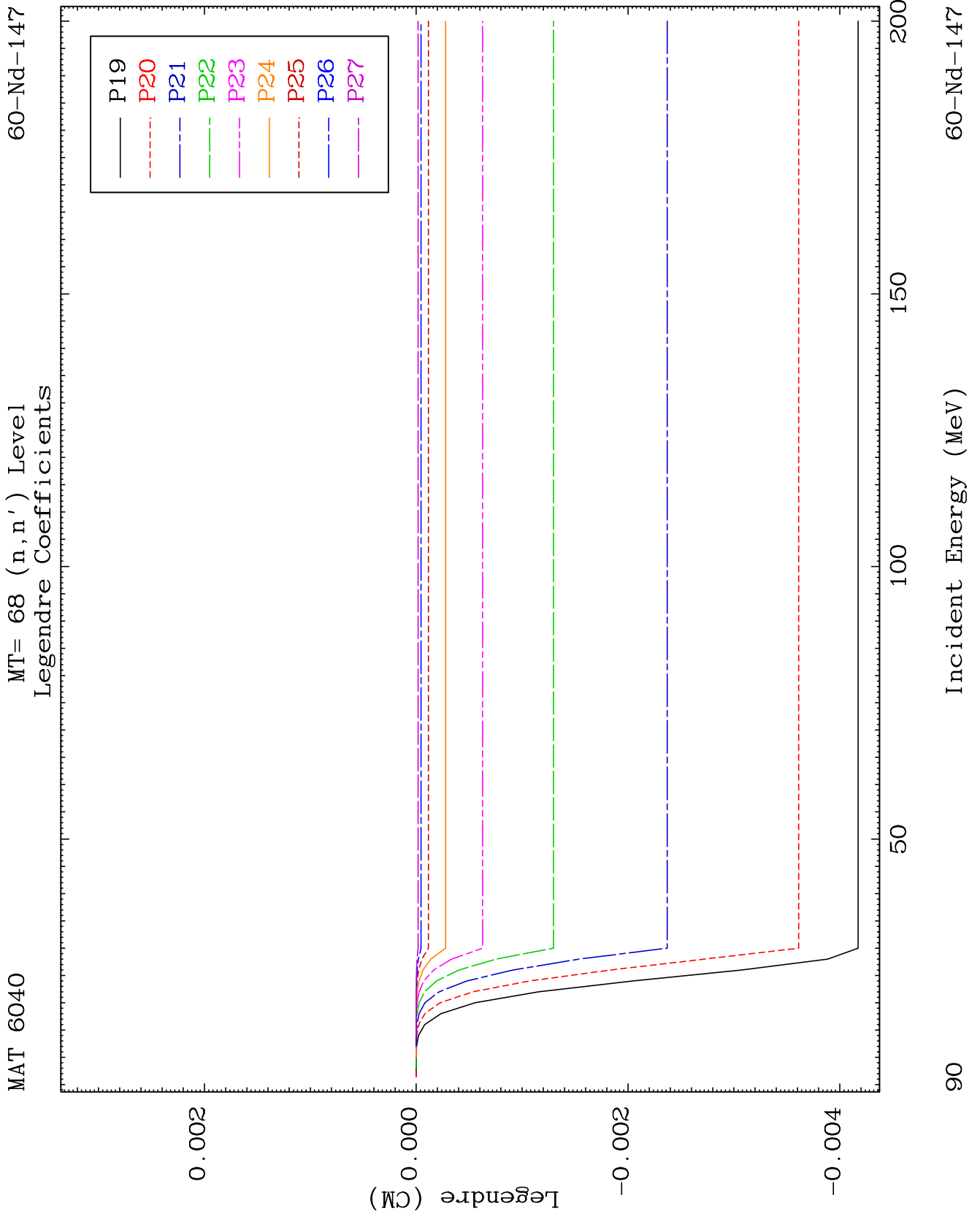
MT= 67 (n,n') Level
Legendre Coefficients

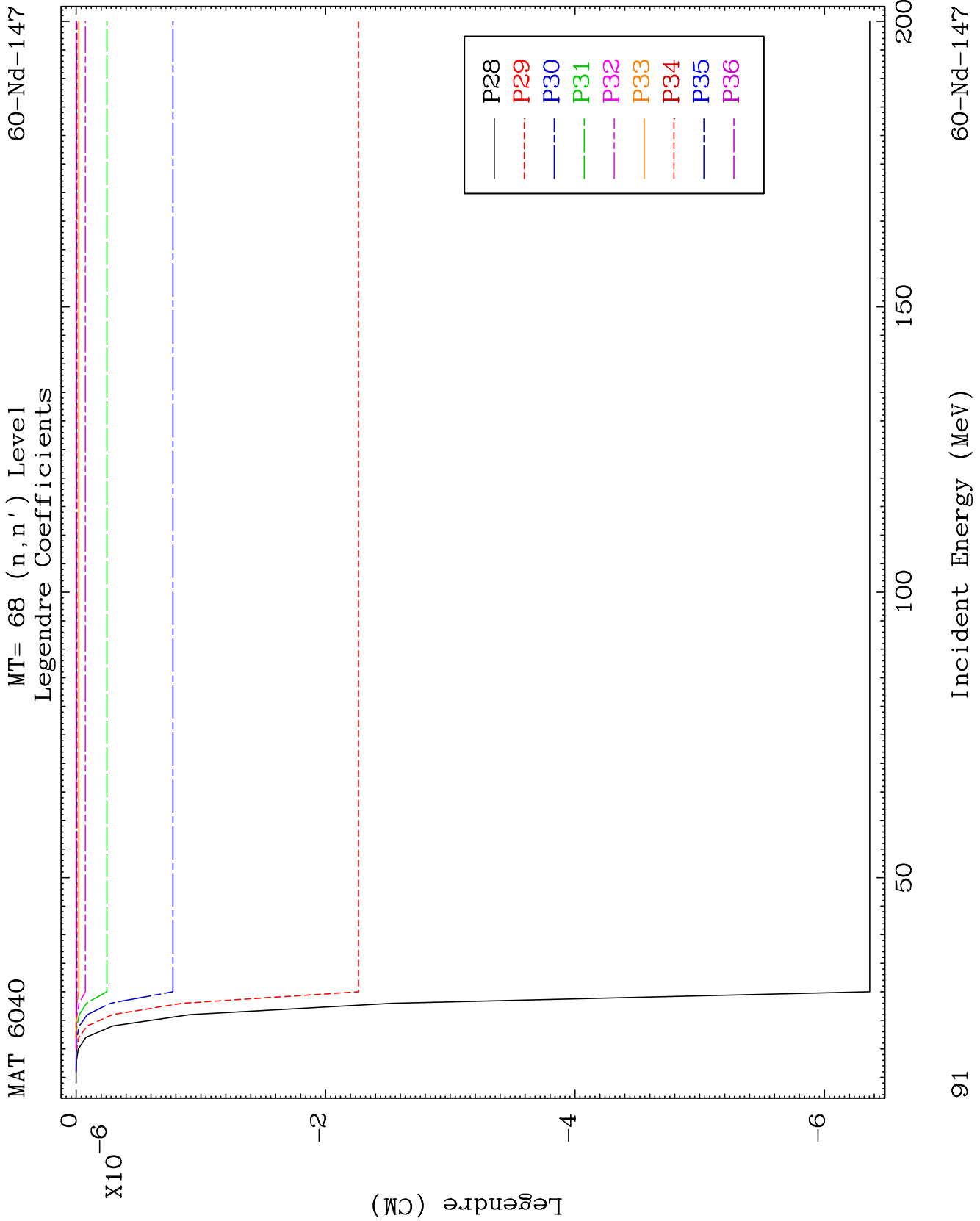
60-Nd-147







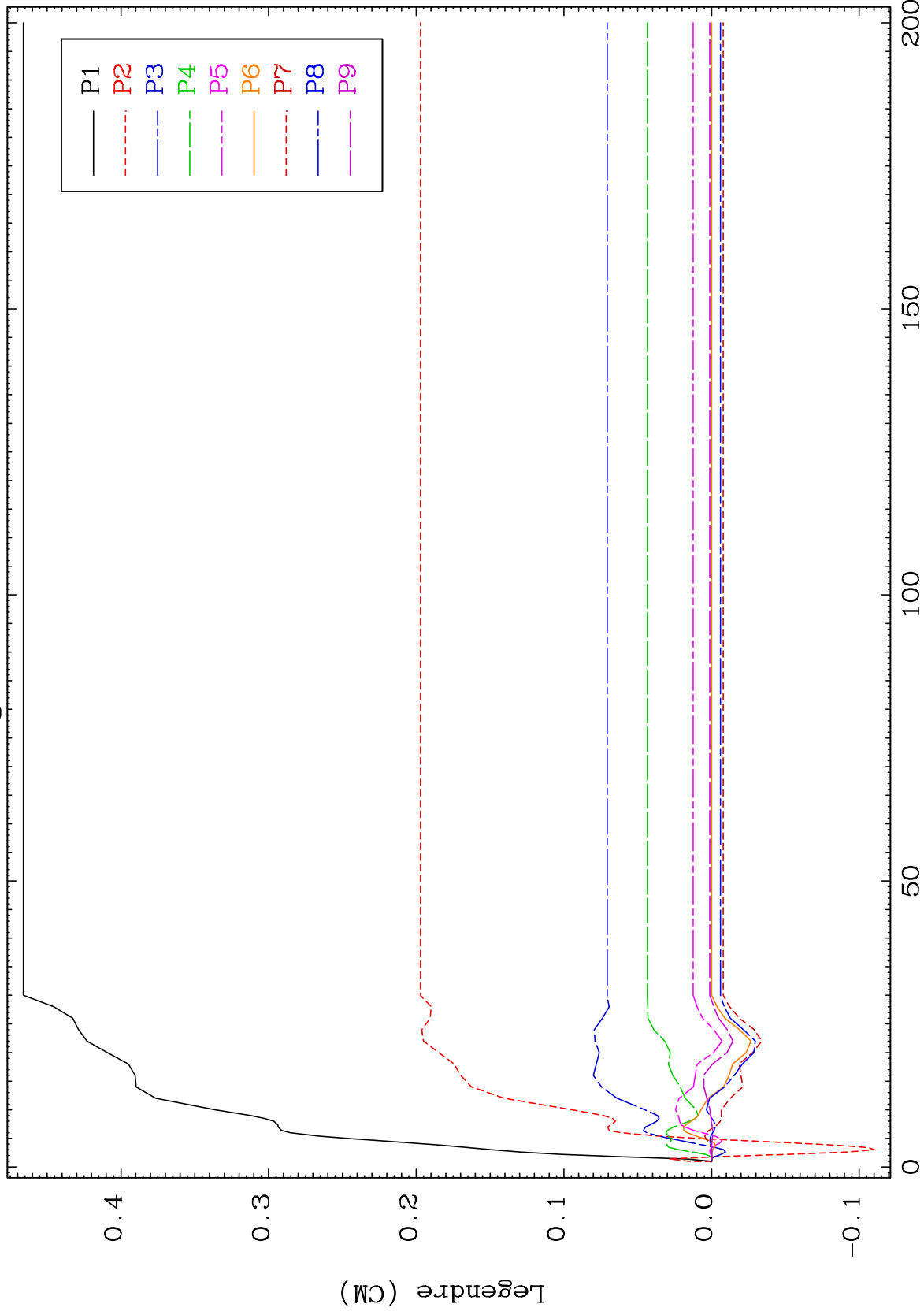




MAT 6040

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

60-Nd-147



92

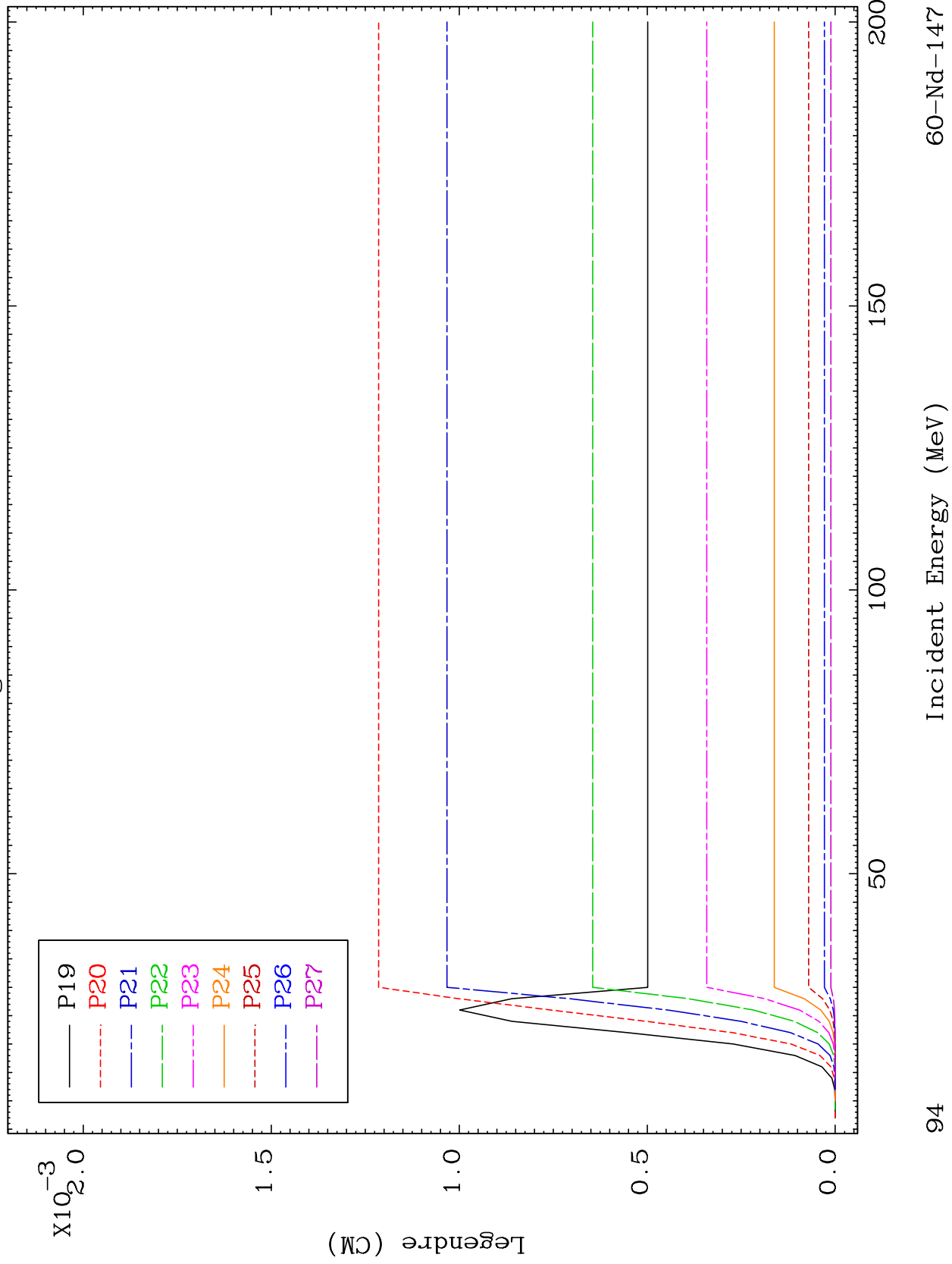
Incident Energy (MeV)

60-Nd-147

MAT 6040

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

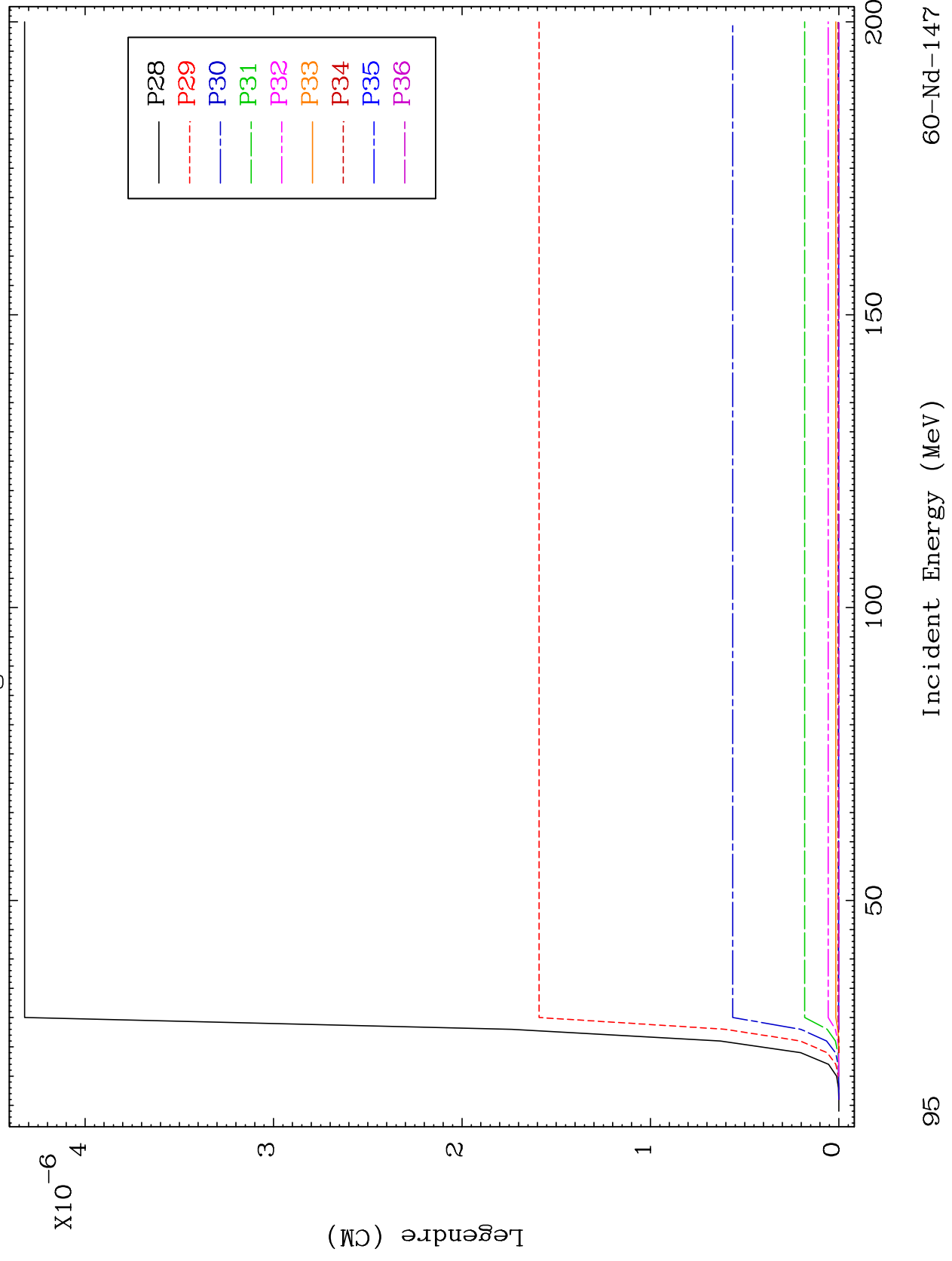
60-Nd-147



MAT 6040

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

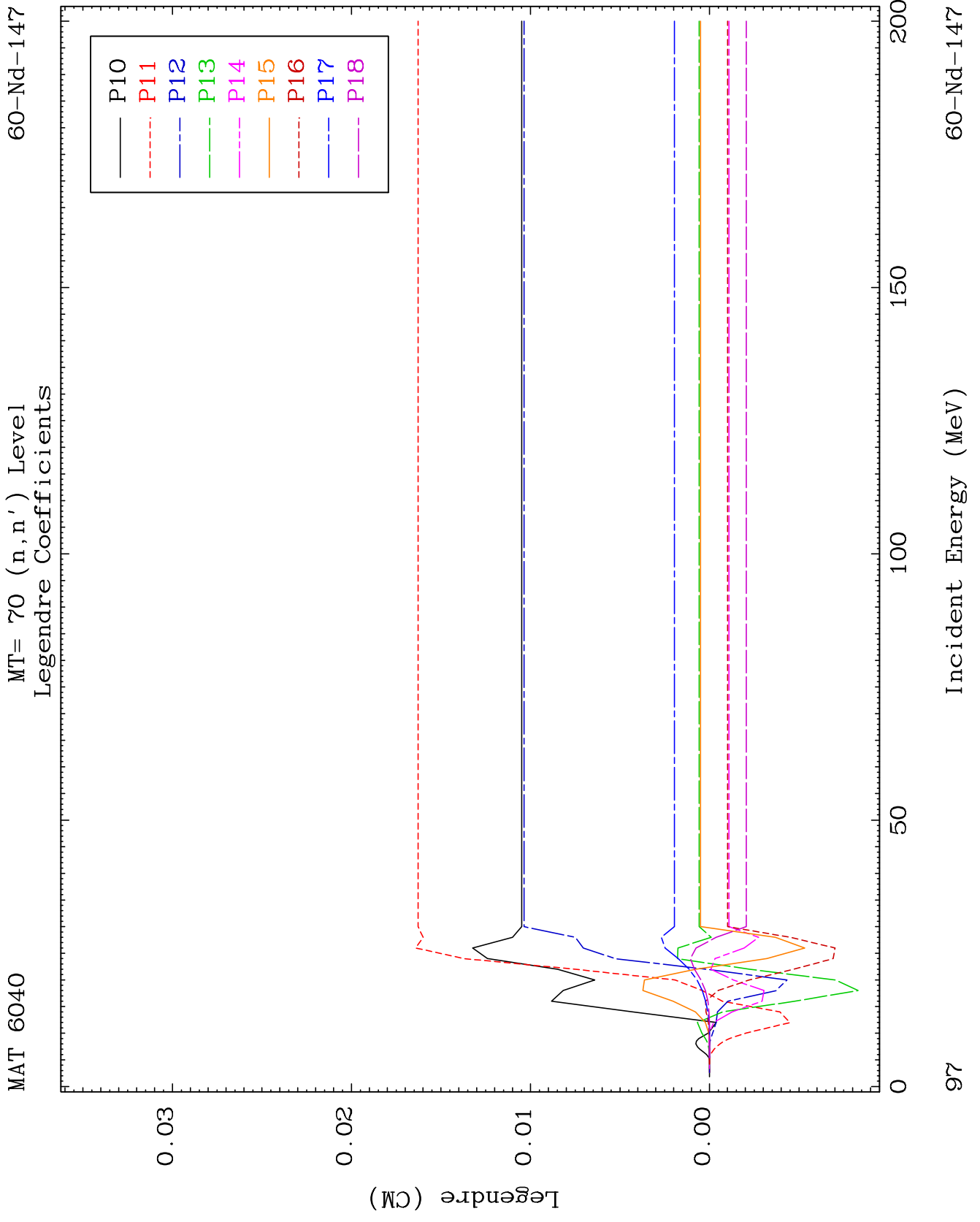
60-Nd-147

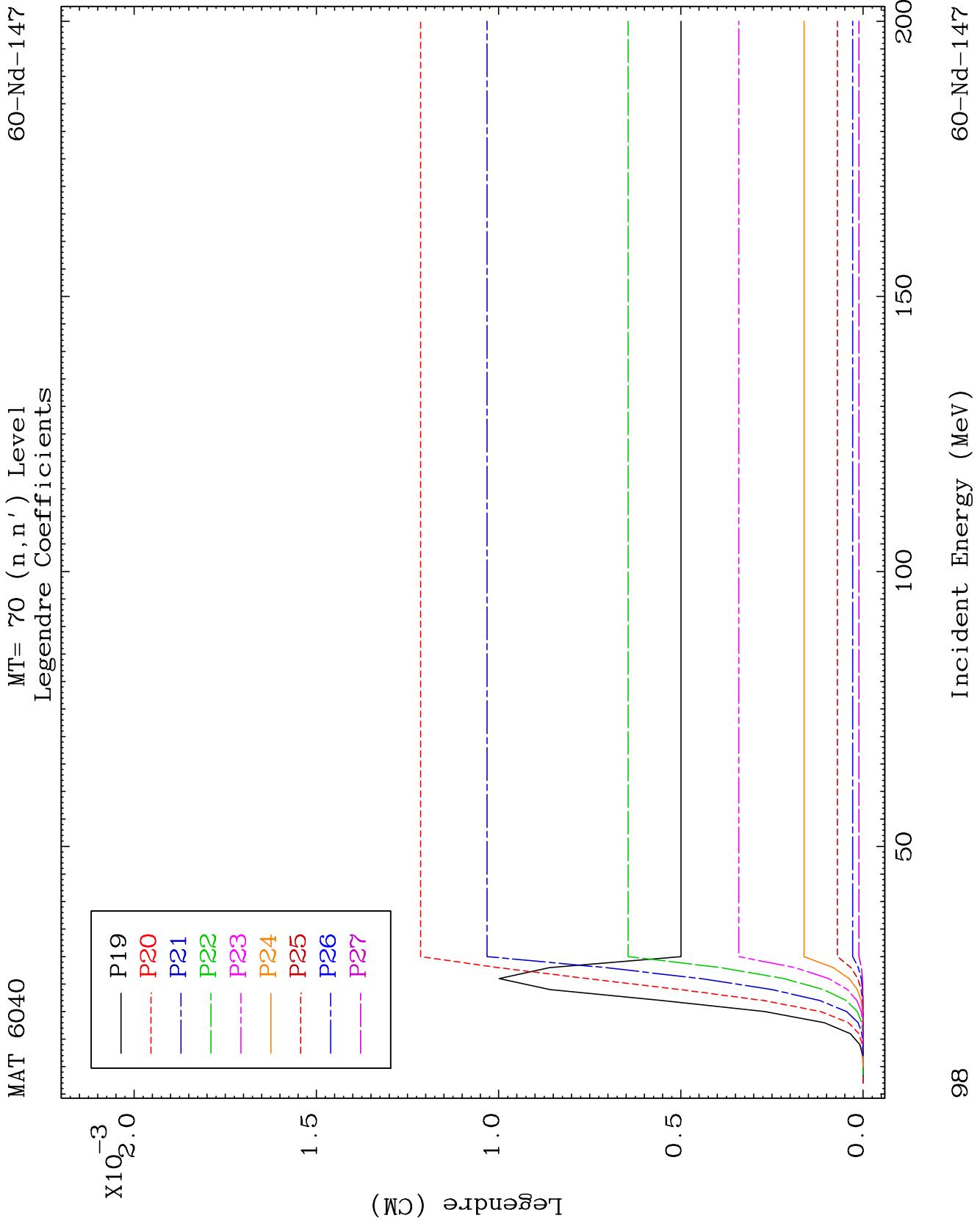


95

Incident Energy (MeV)

60-Nd-147

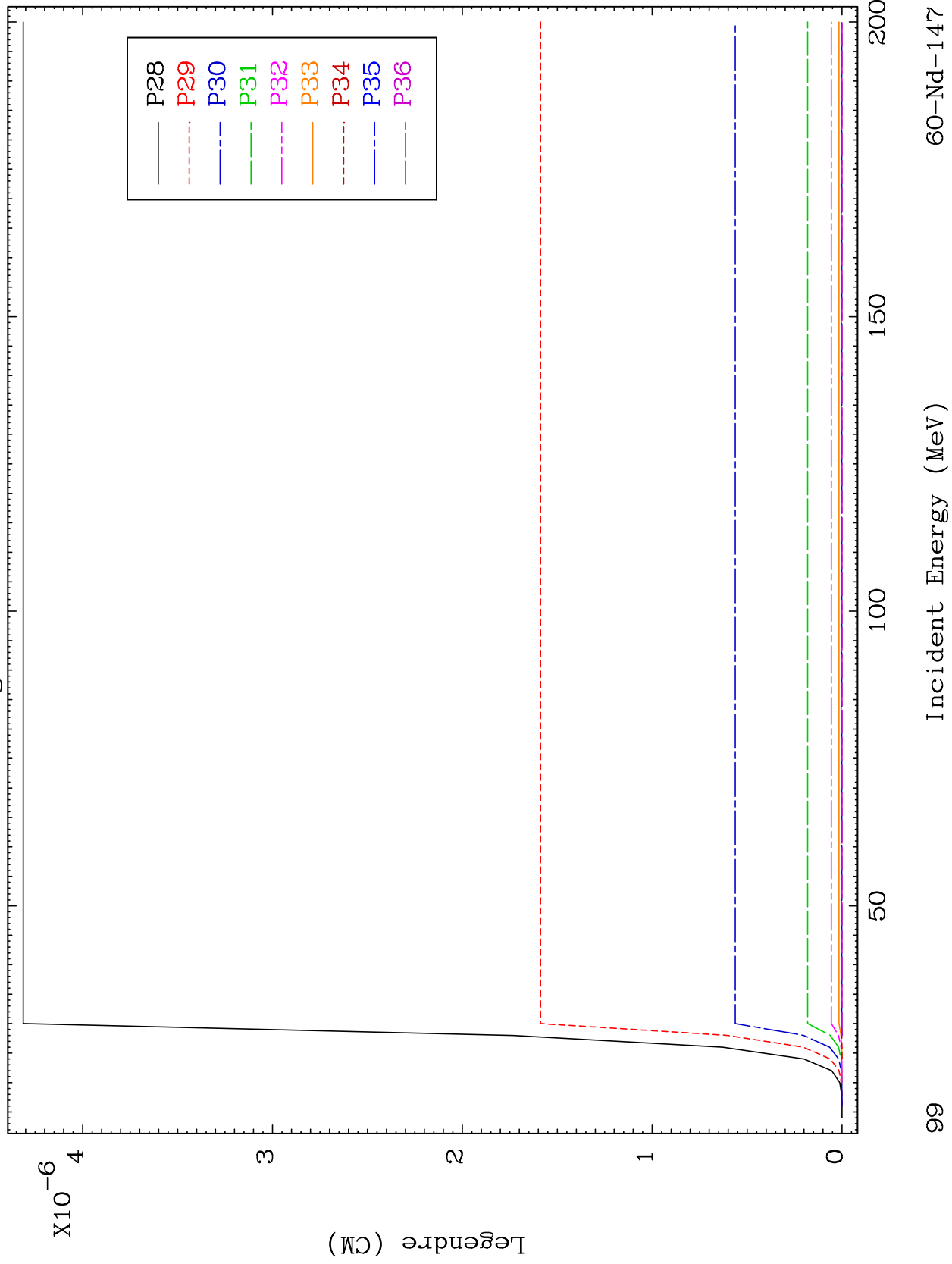


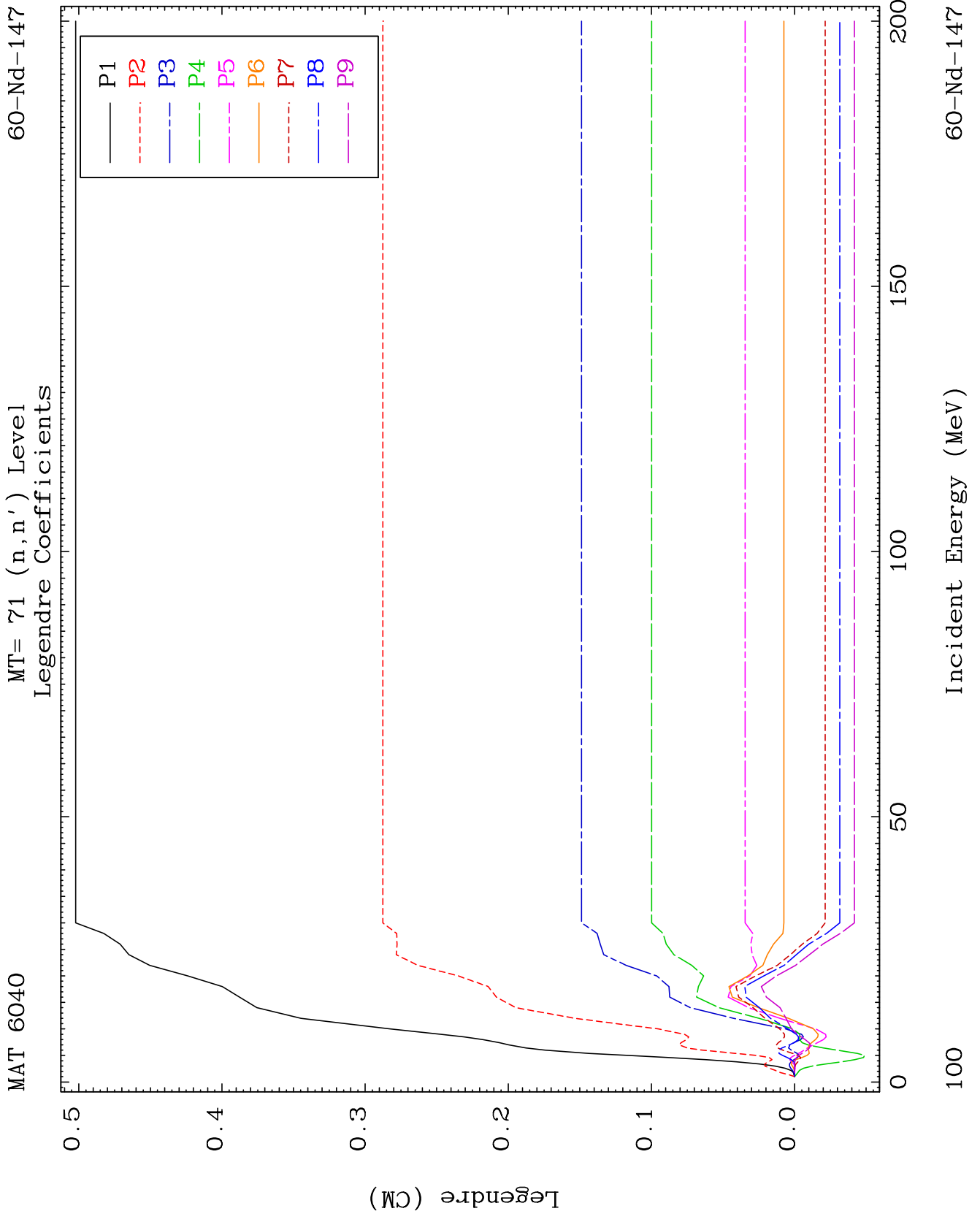


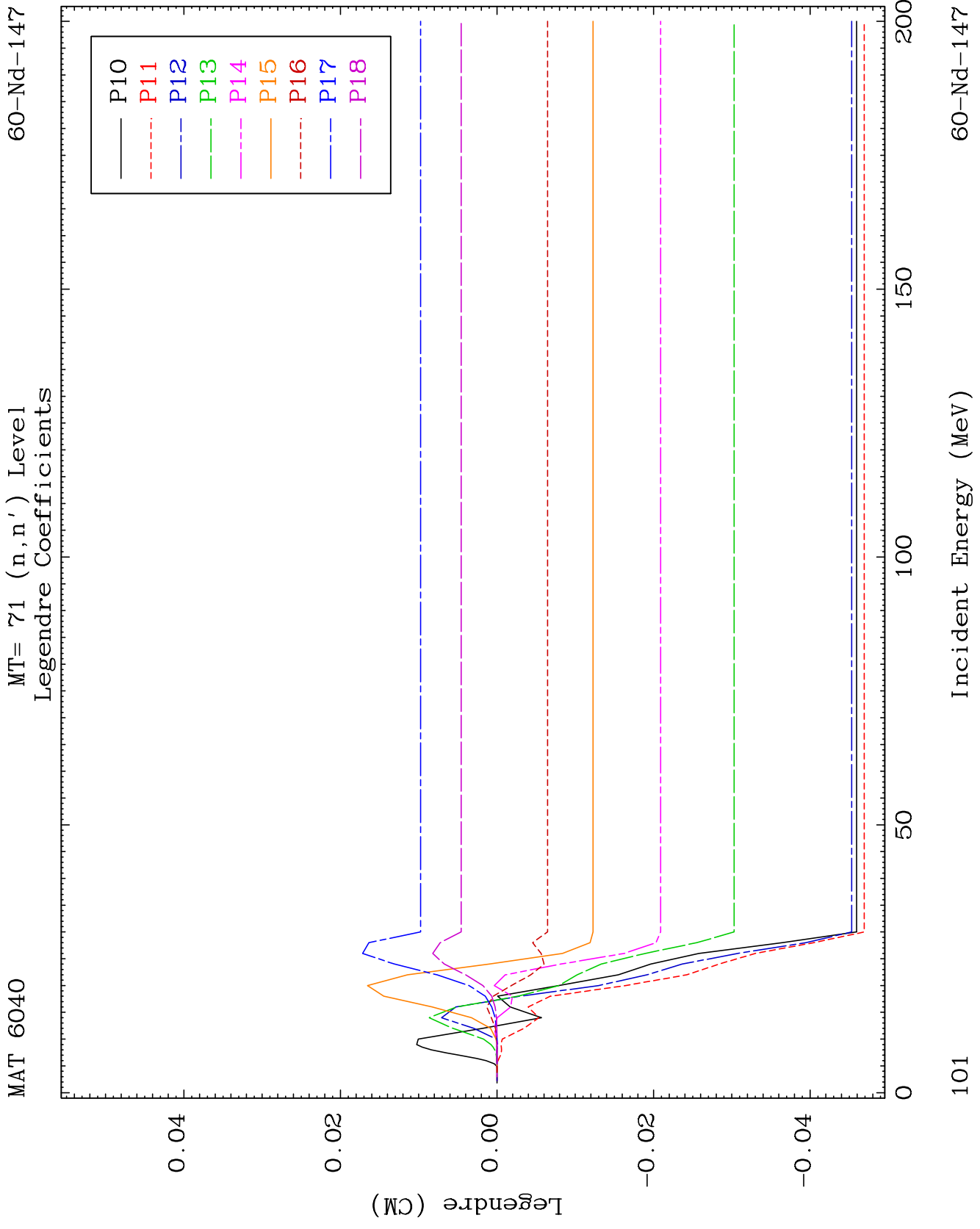
MAT 6040

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

60-Nd-147



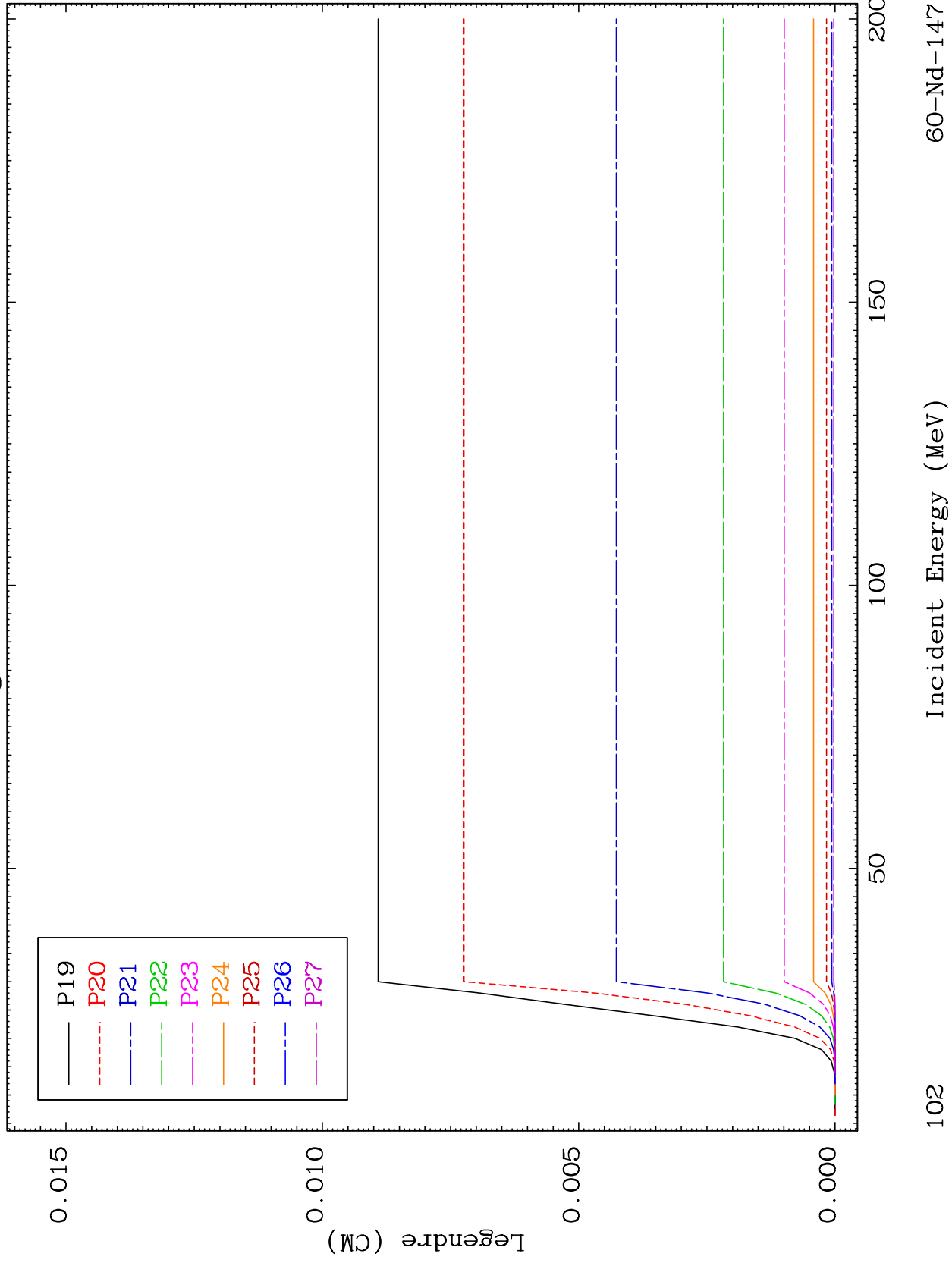




MAT 6040

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

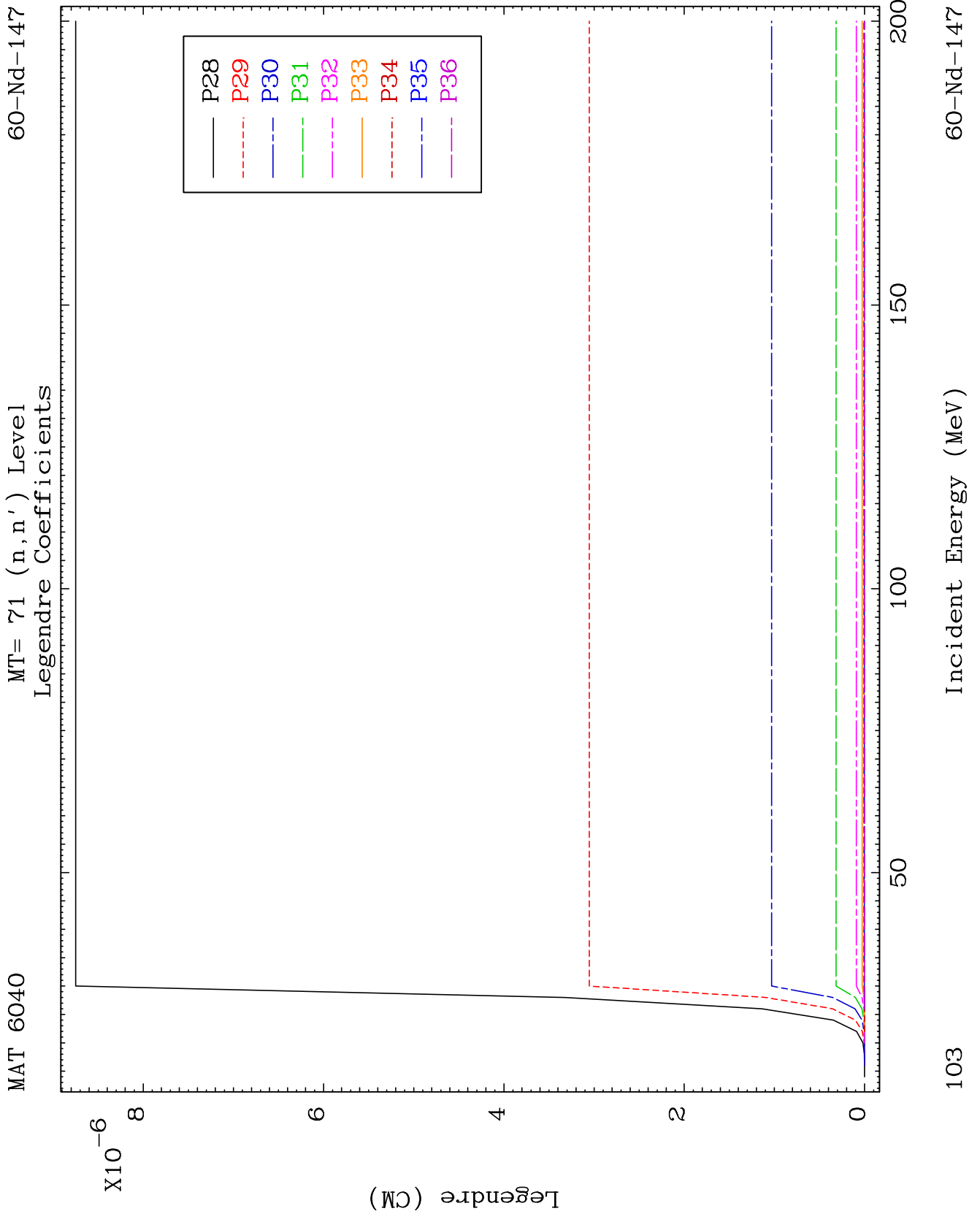
60-Nd-147

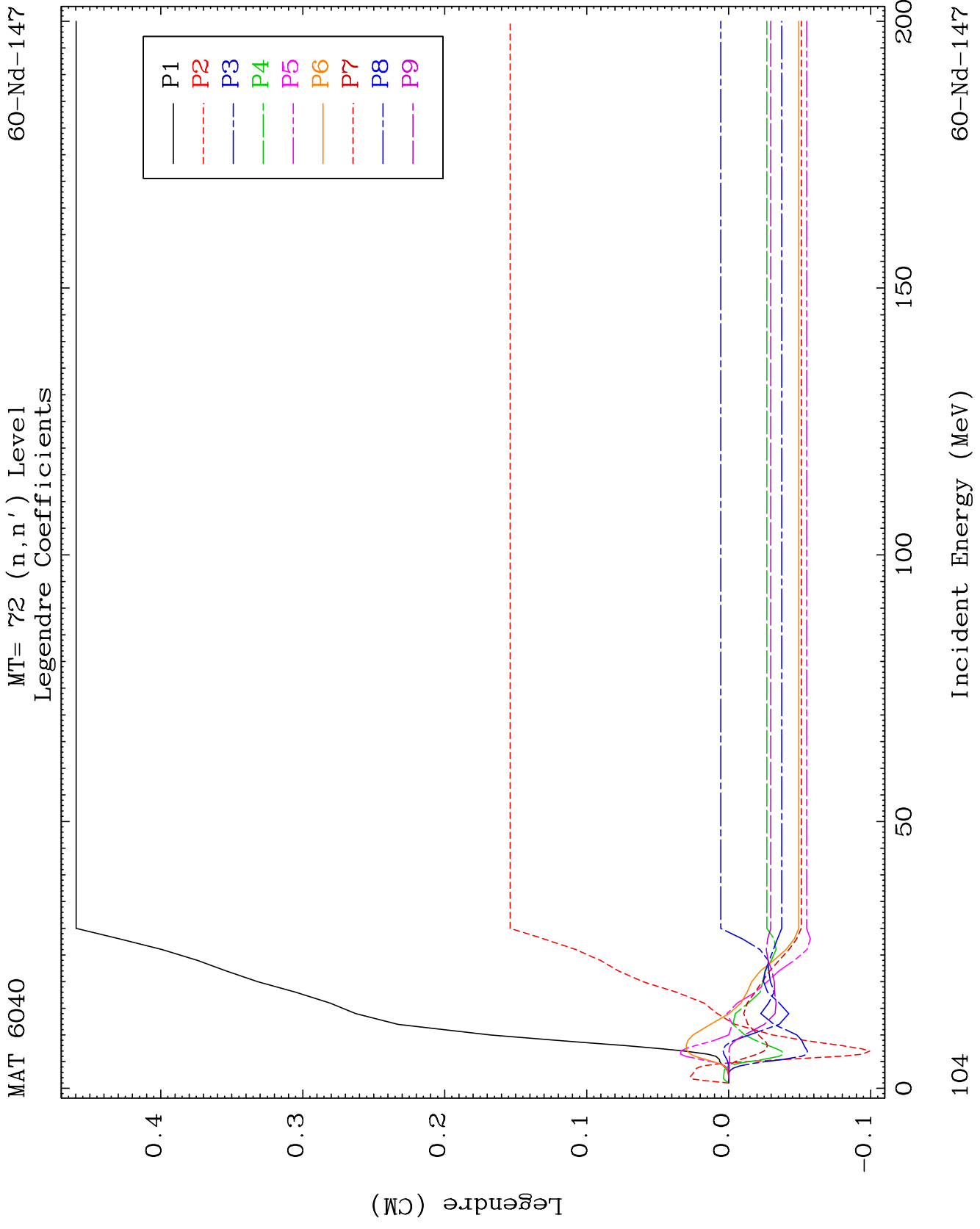


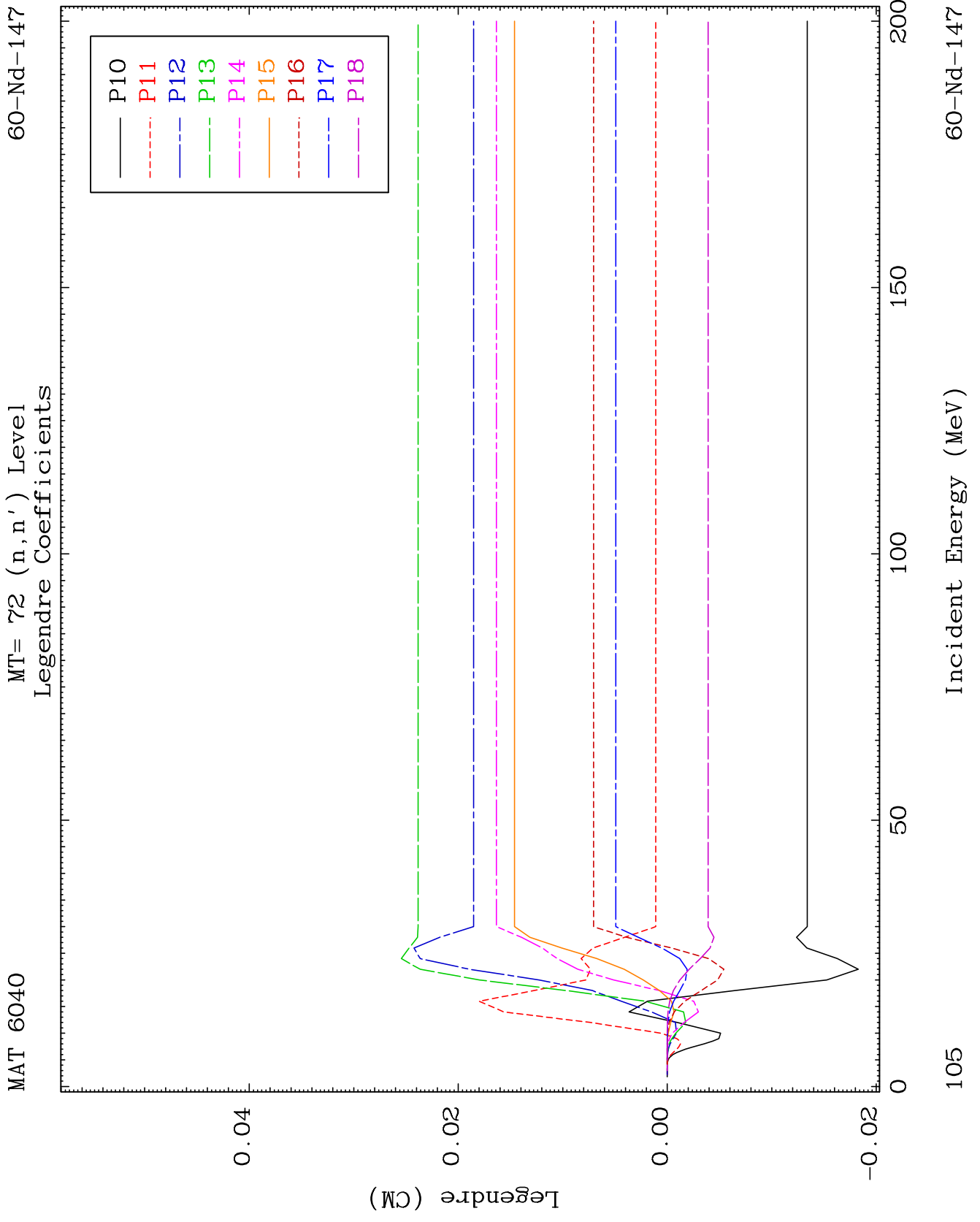
102

Incident Energy (MeV)

60-Nd-147



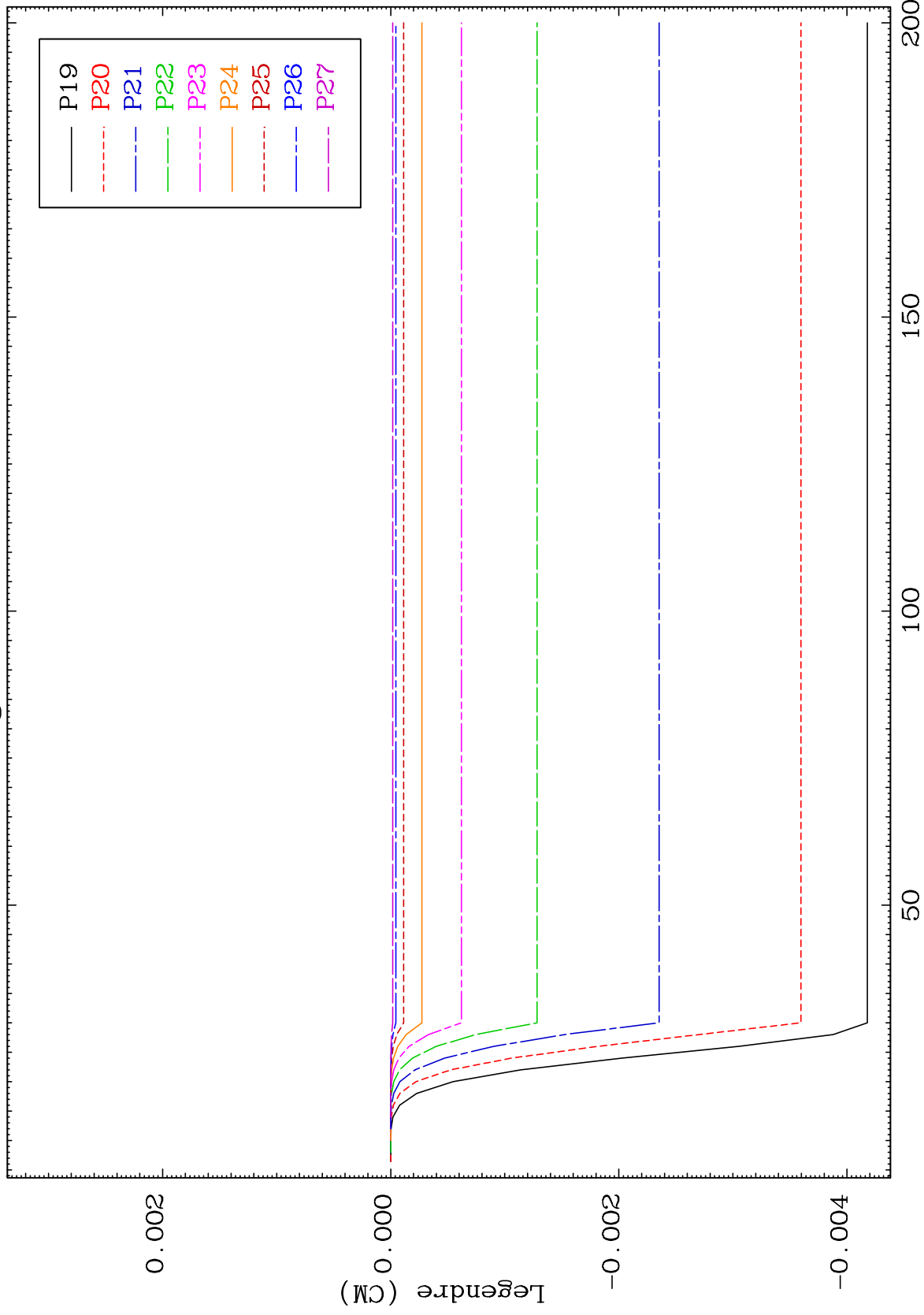




MAT 6040

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

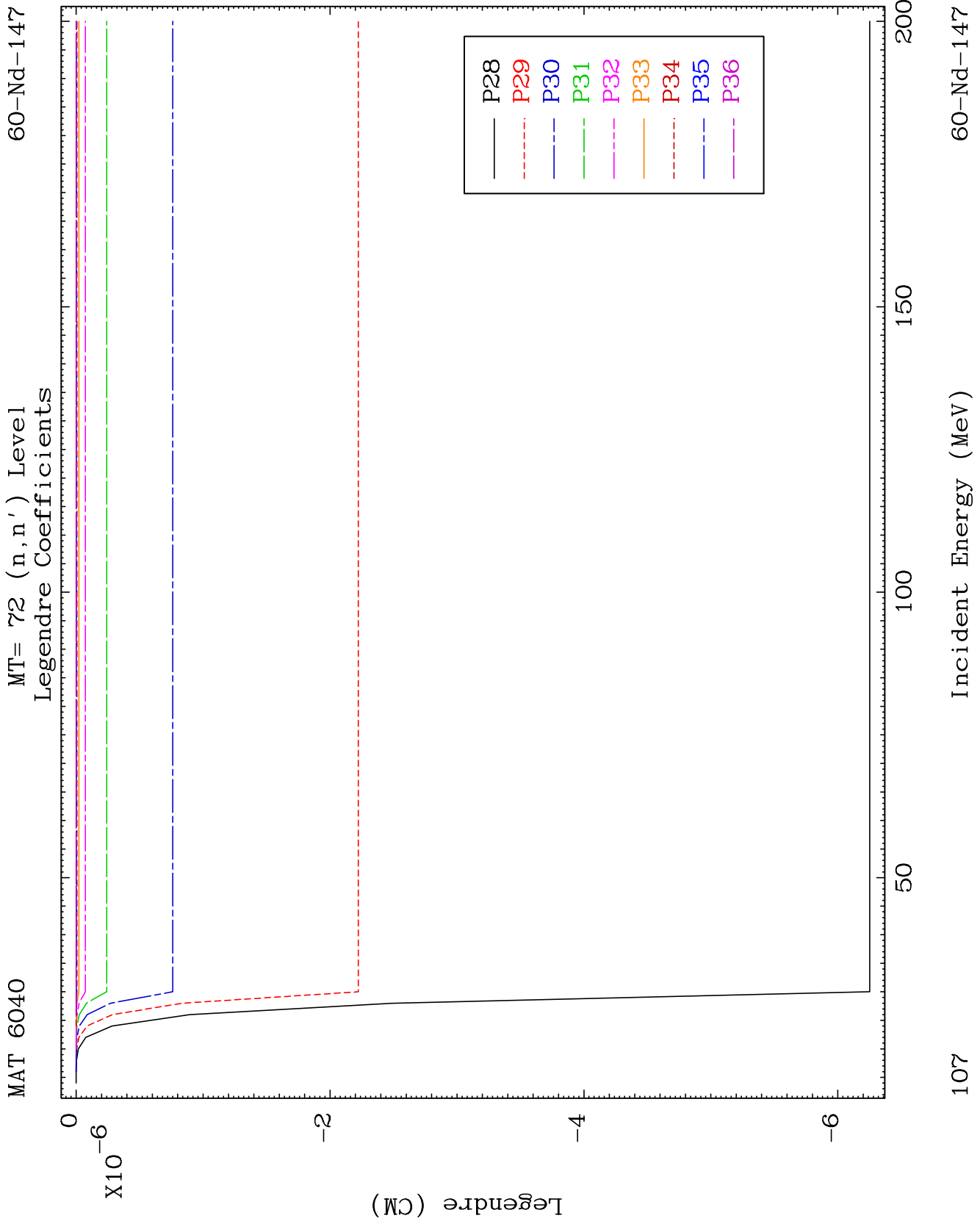
60-Nd-147

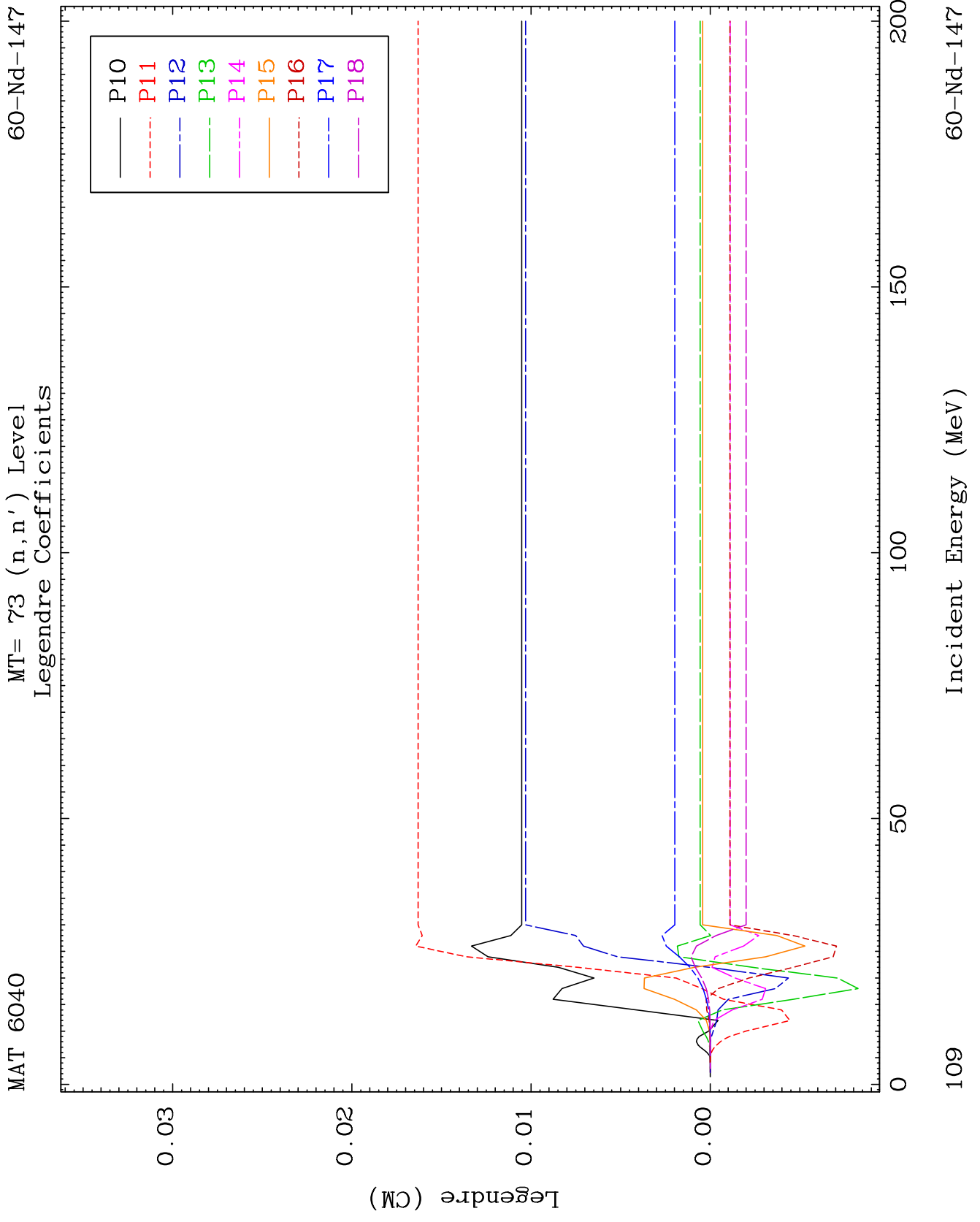


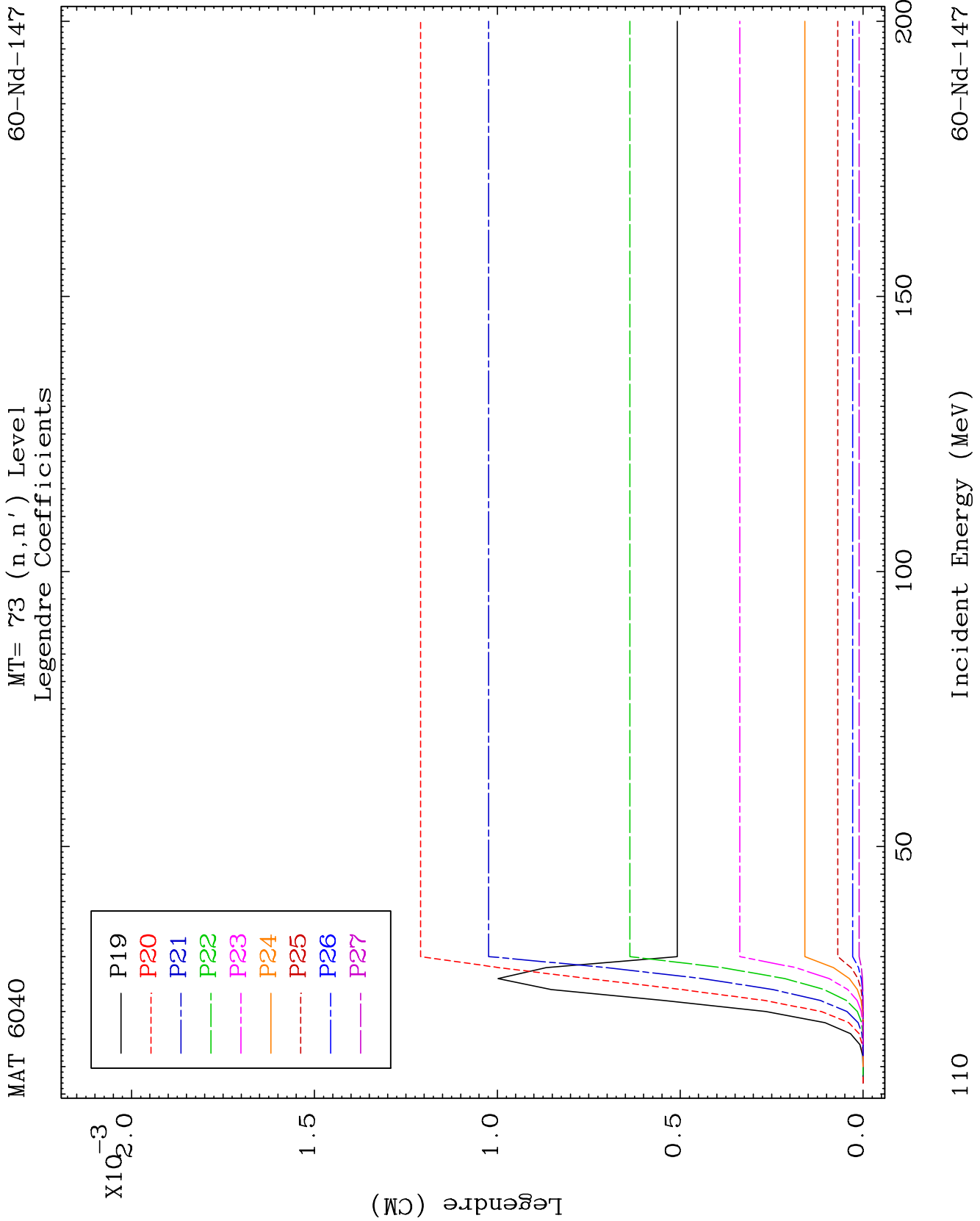
106

Incident Energy (MeV)

60-Nd-147



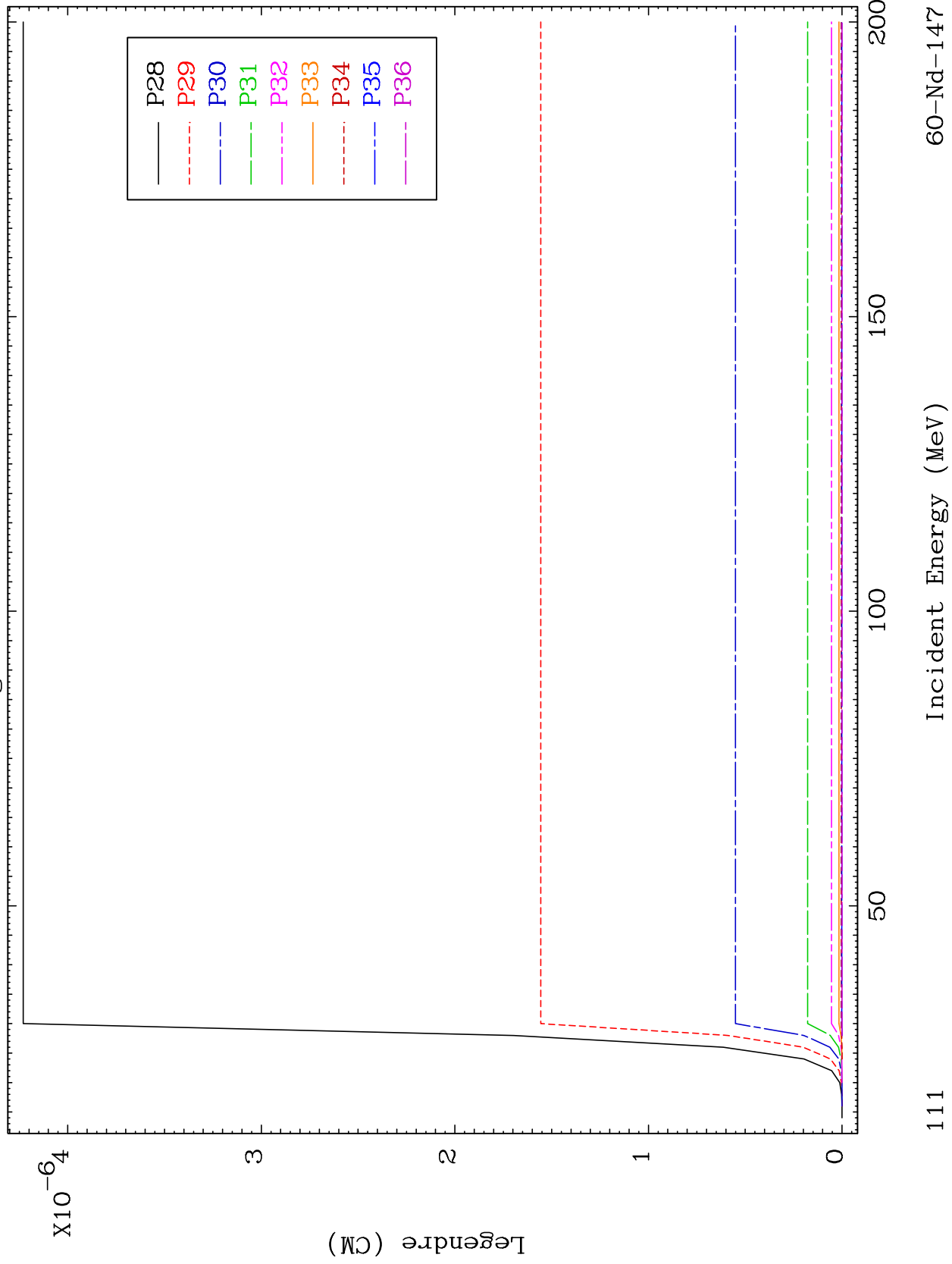




MAT 6040

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

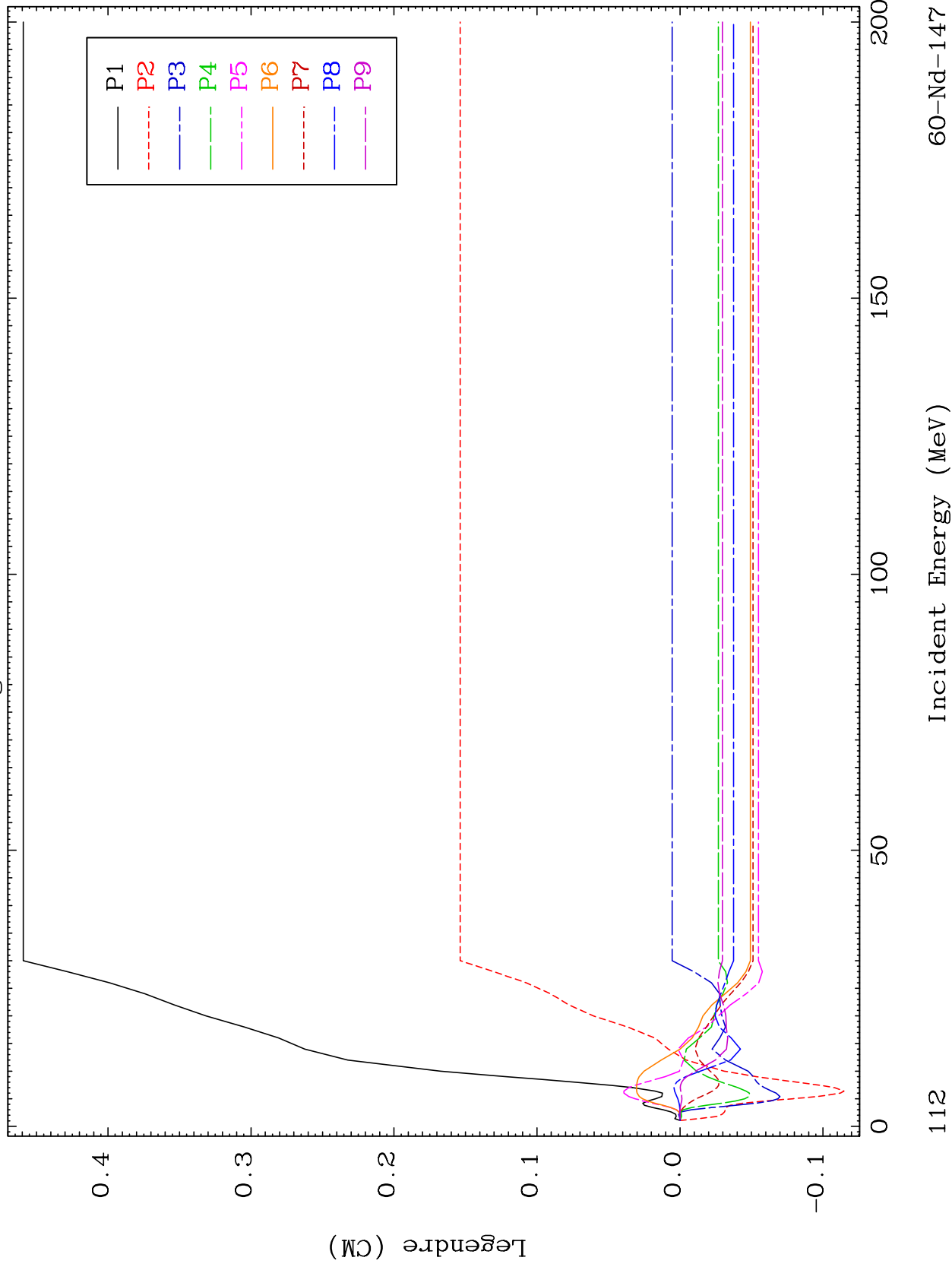
60-Nd-147



MAT 6040

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

60-Nd-147



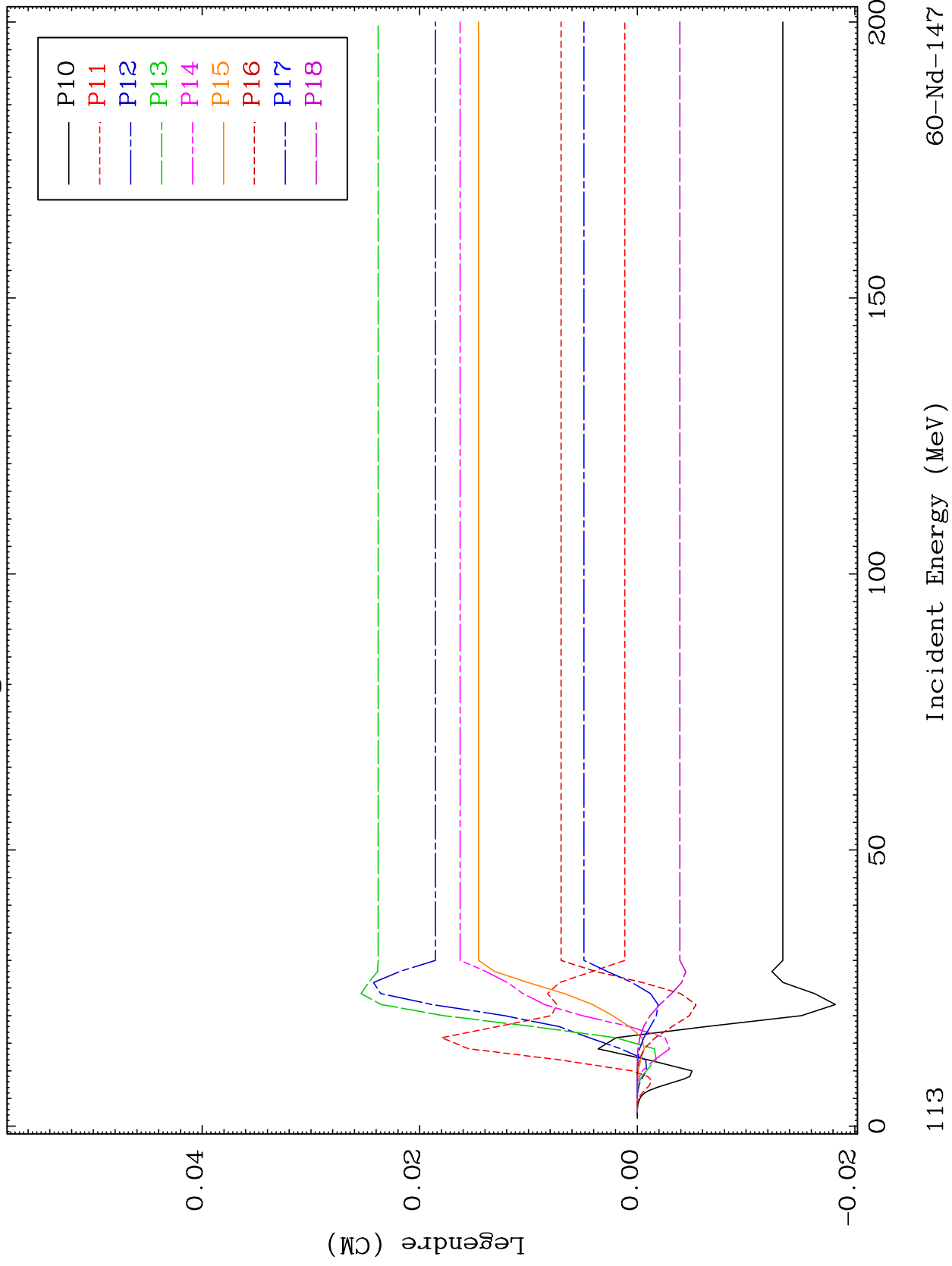
112

60-Nd-147

MAT 6040

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

60-Nd-147

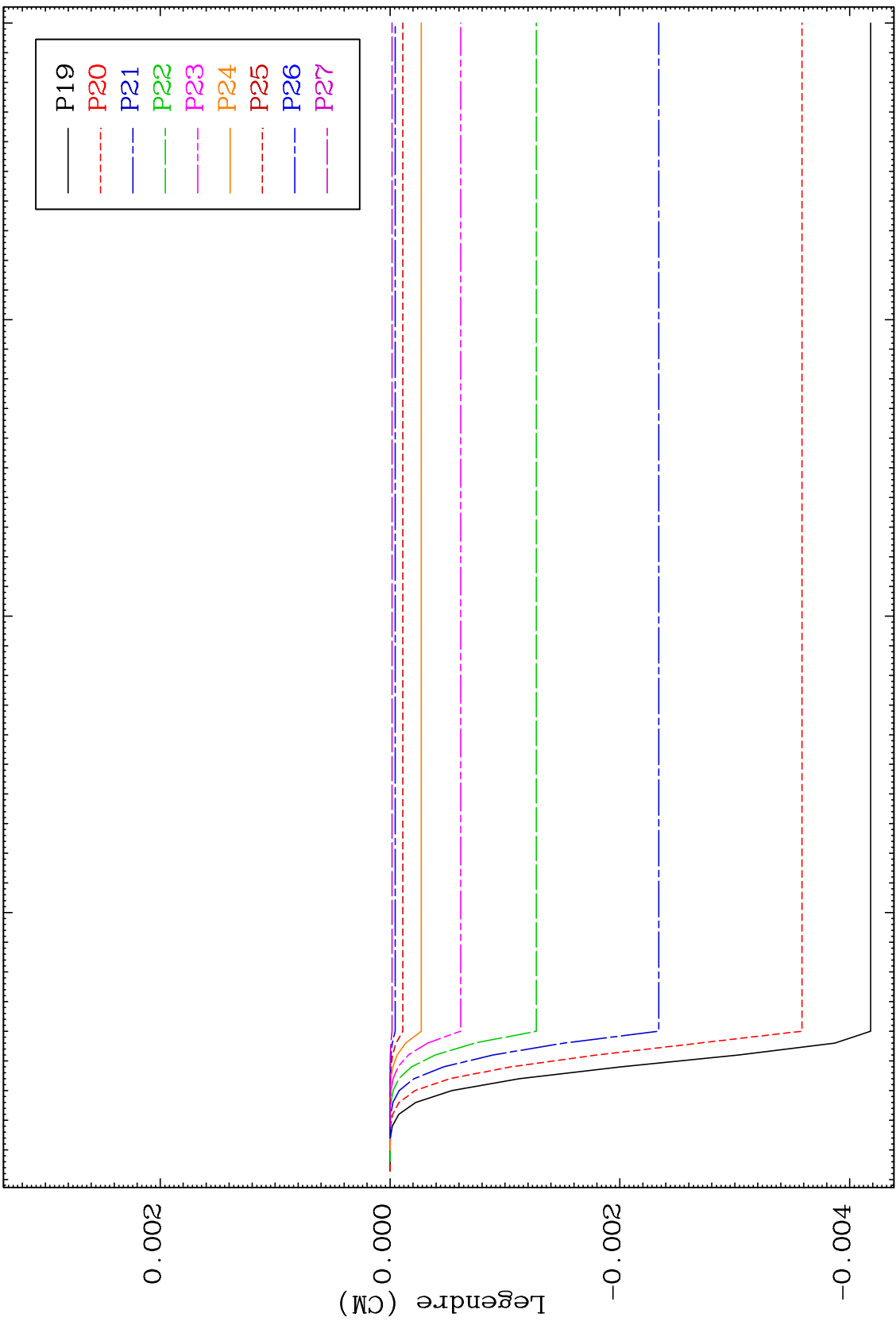


113

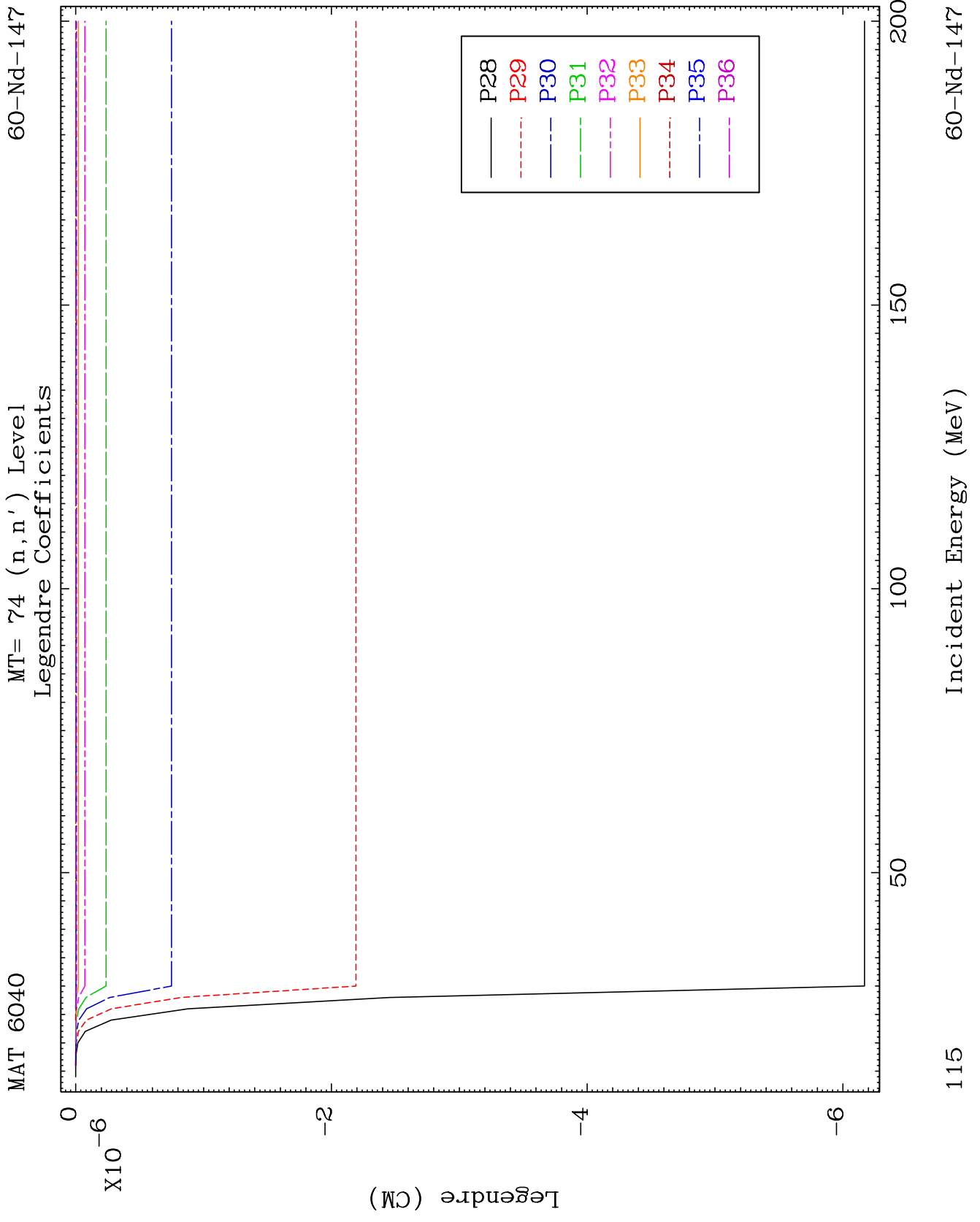
Incident Energy (MeV)

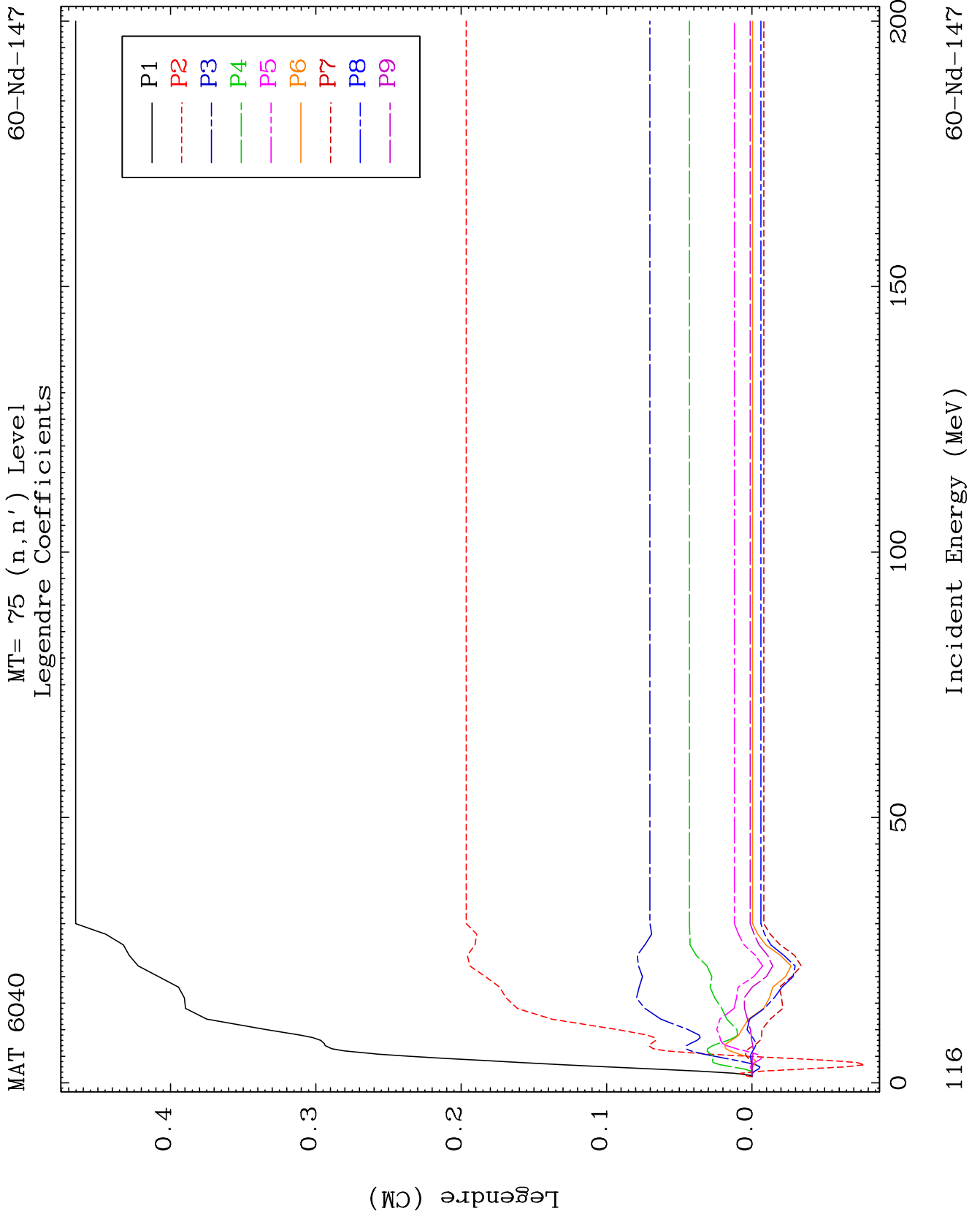
60-Nd-147

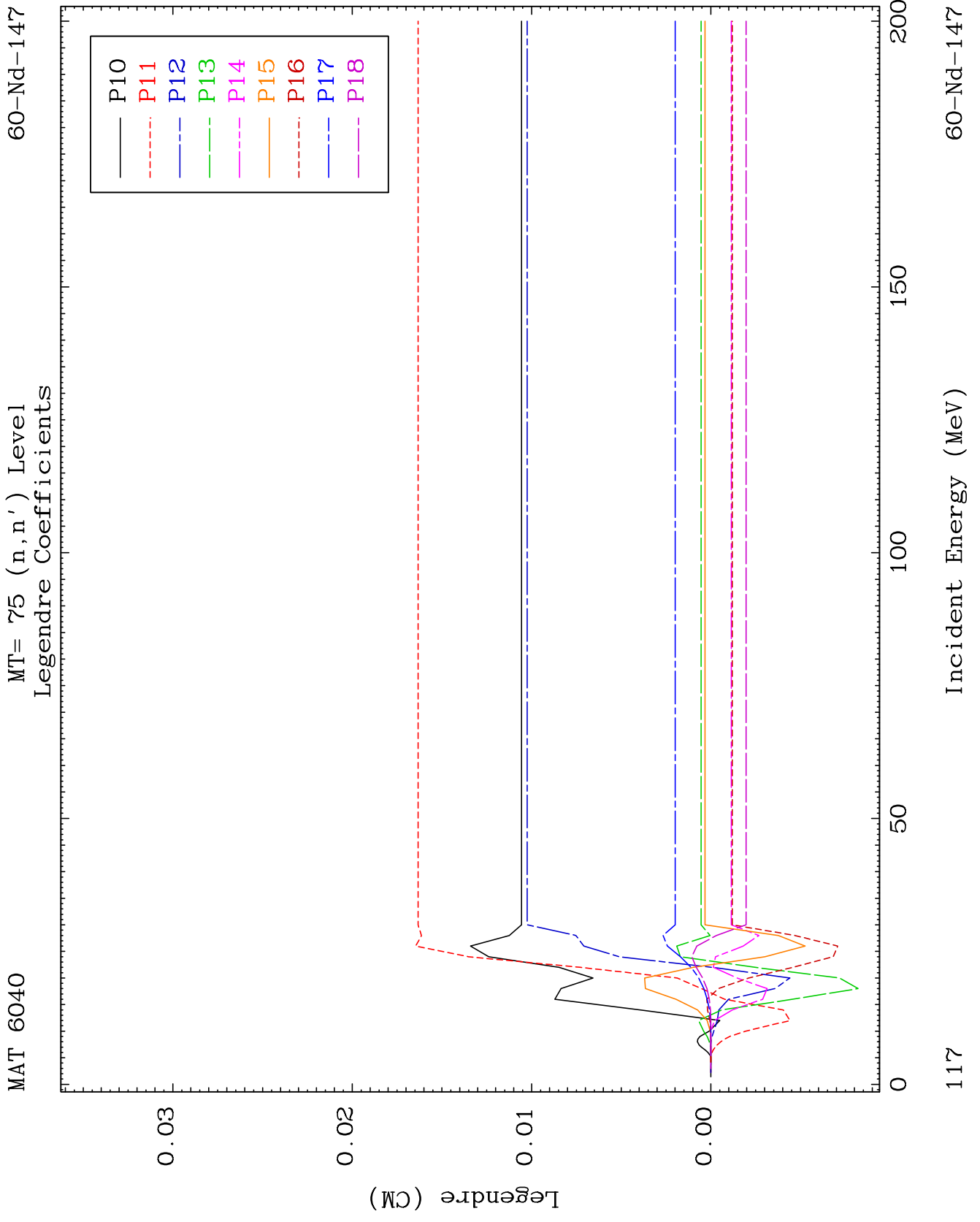
MAT 6040 MT= 74 (n,n') Level Legendre Coefficients 60-Nd-147



114 Incident Energy (MeV) 60-Nd-147



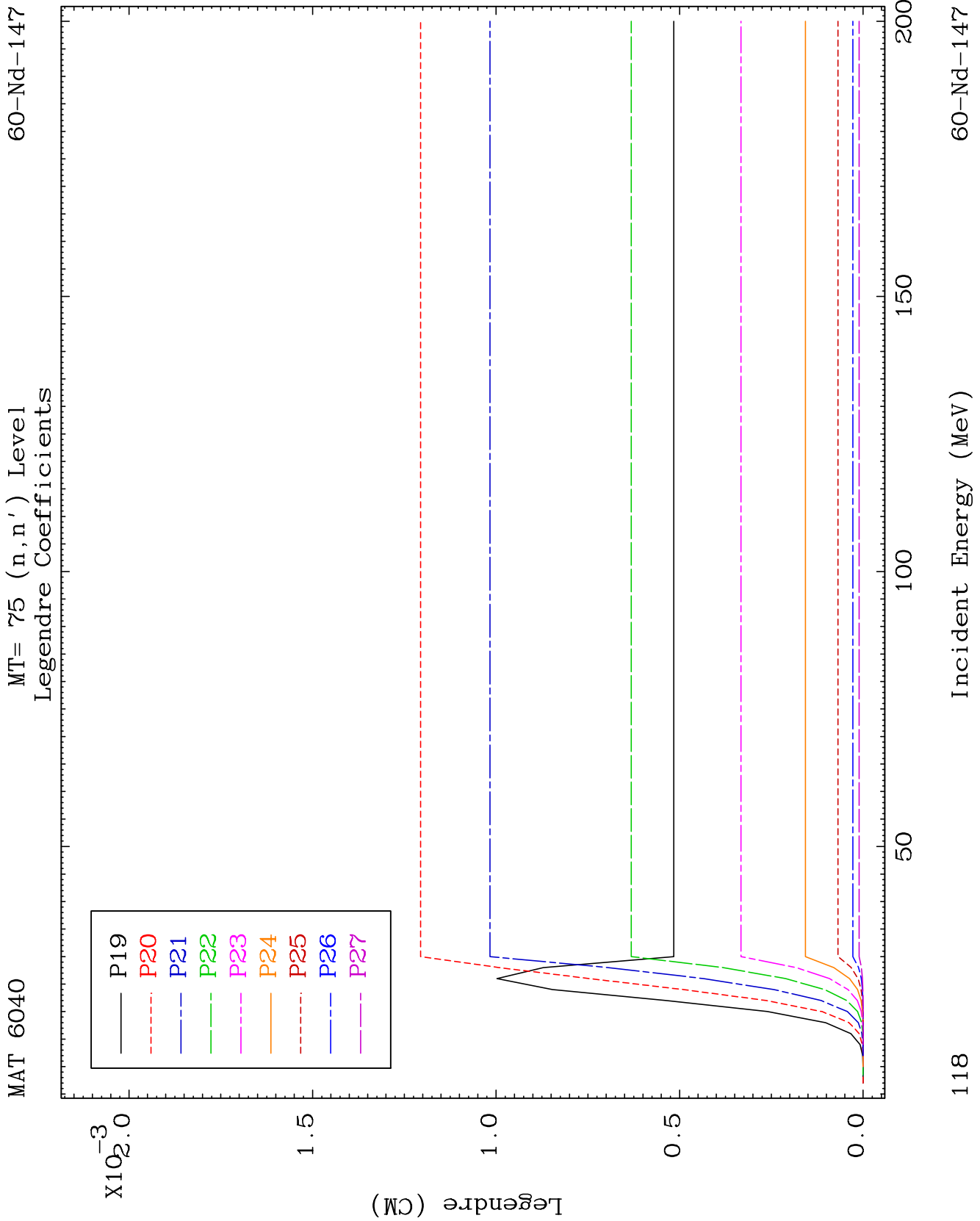




60-Nd-147

Incident Energy (MeV)

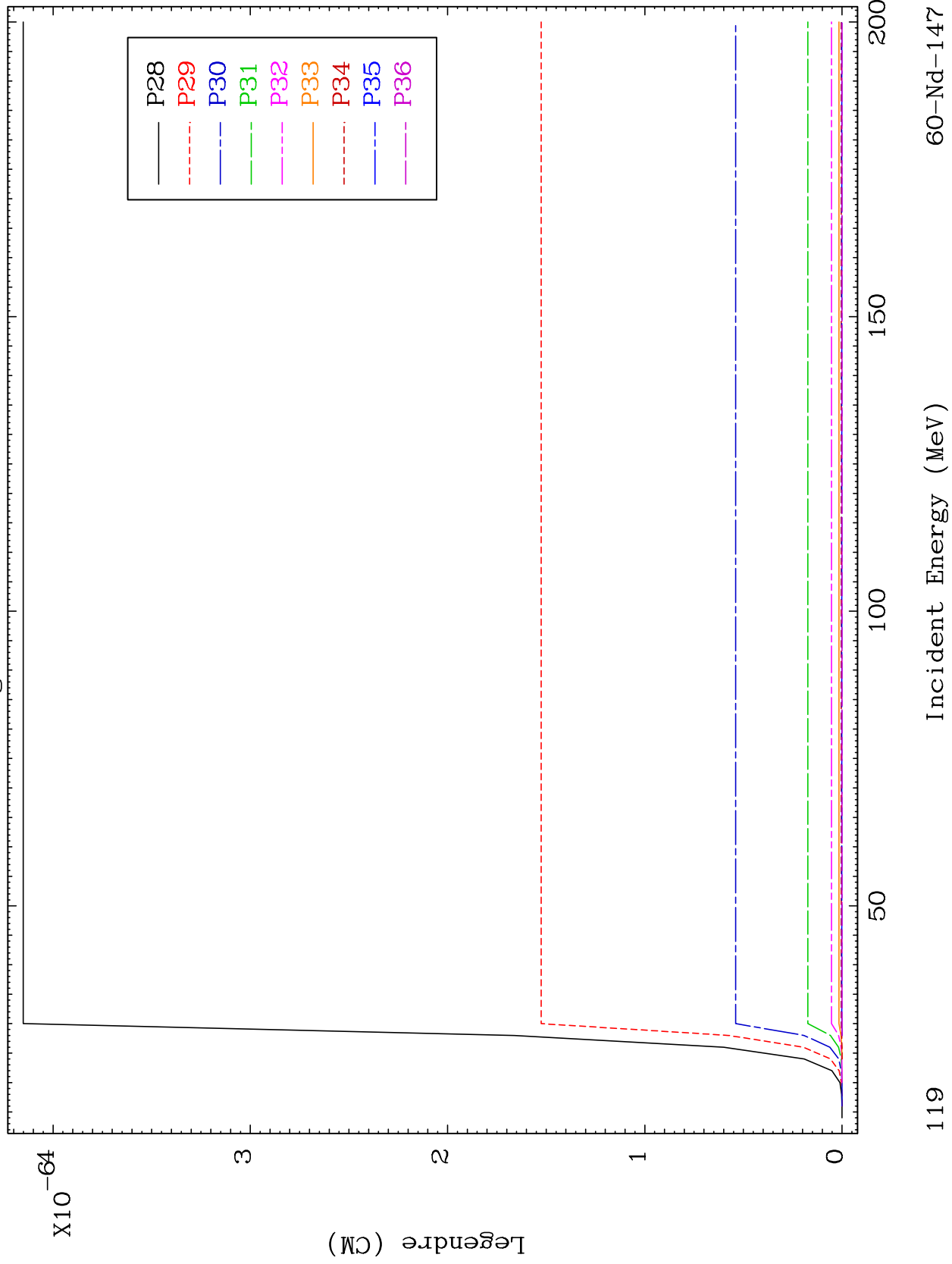
117



MAT 6040

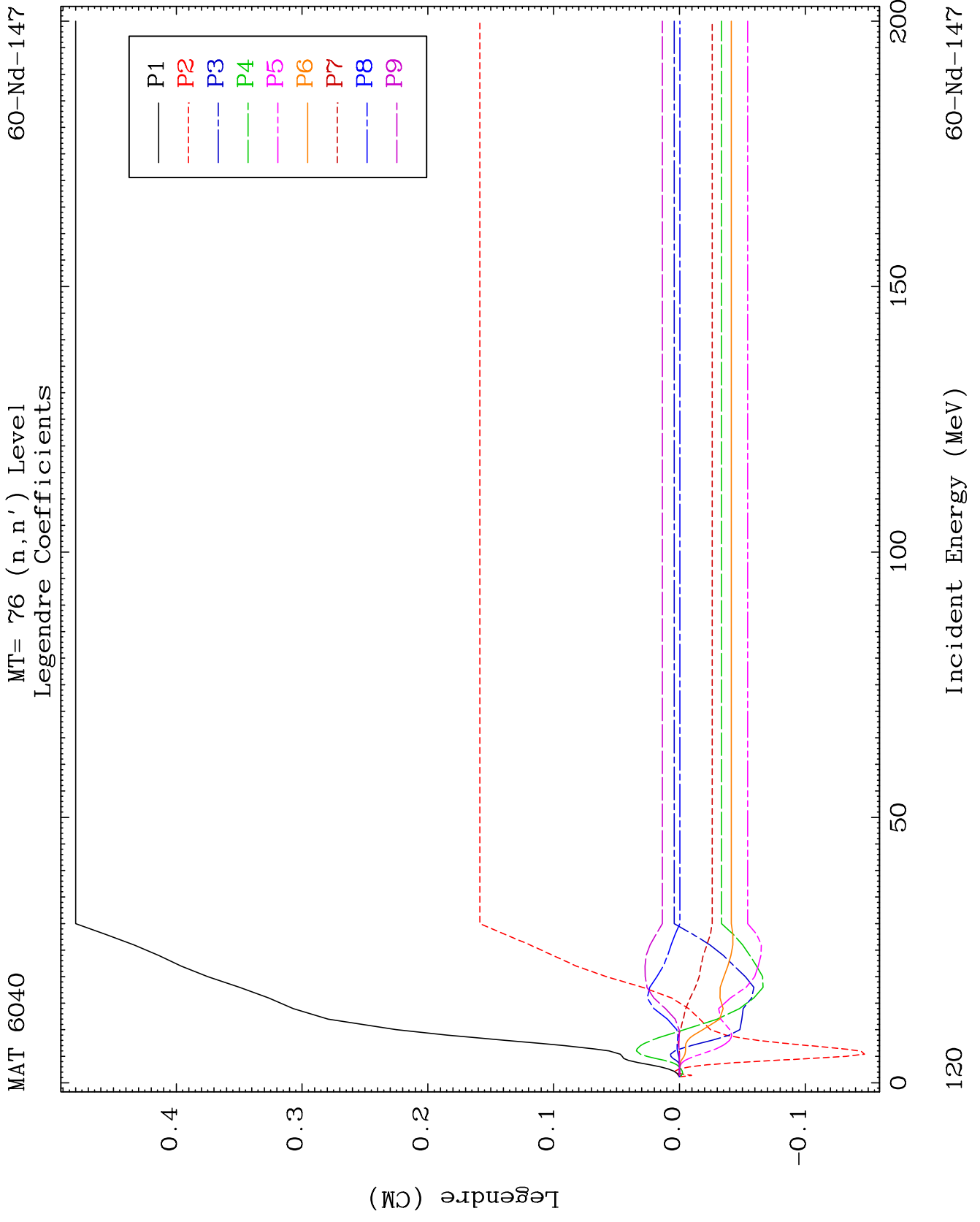
MT= 75 (n,n') Level
Legendre Coefficients

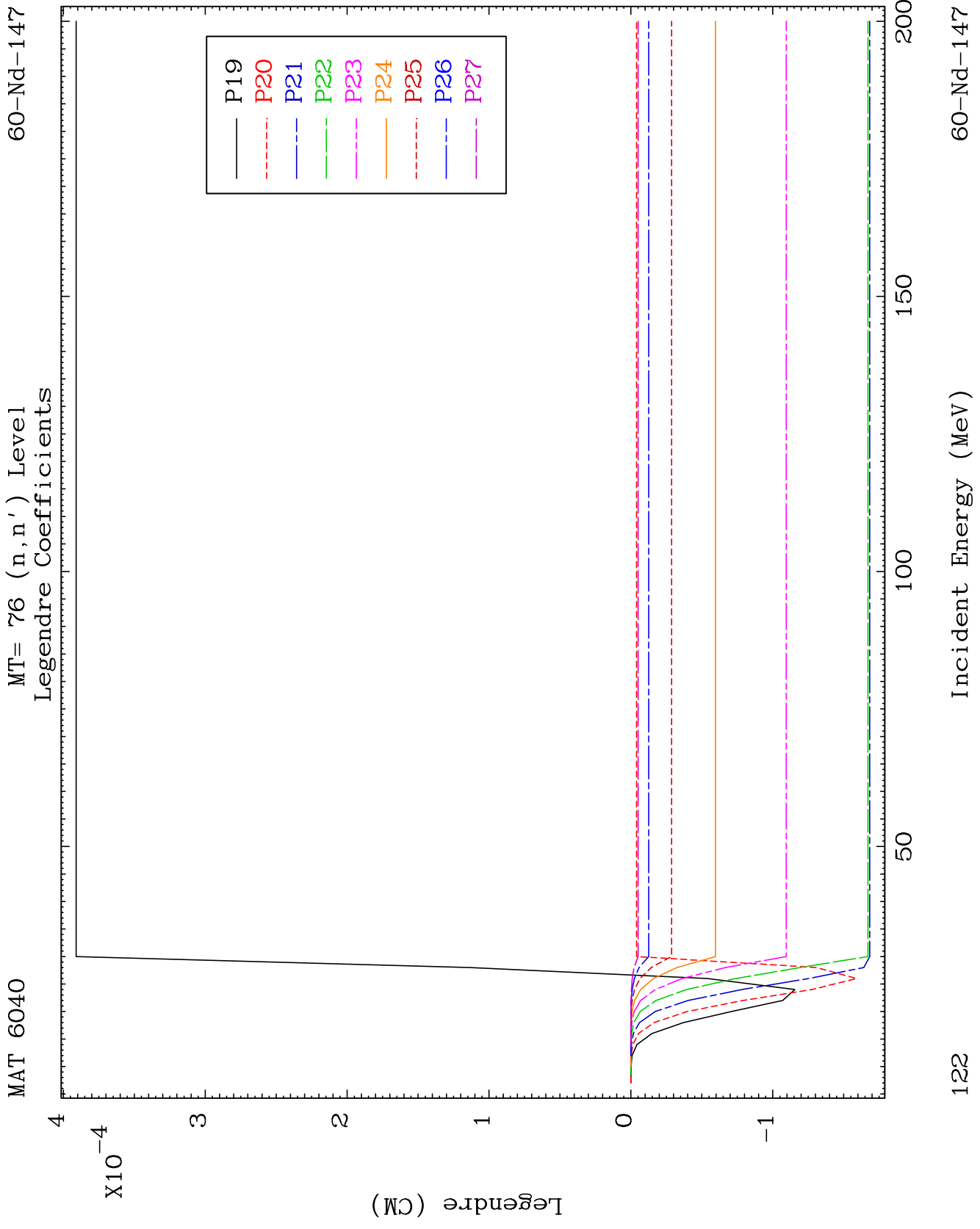
60-Nd-147

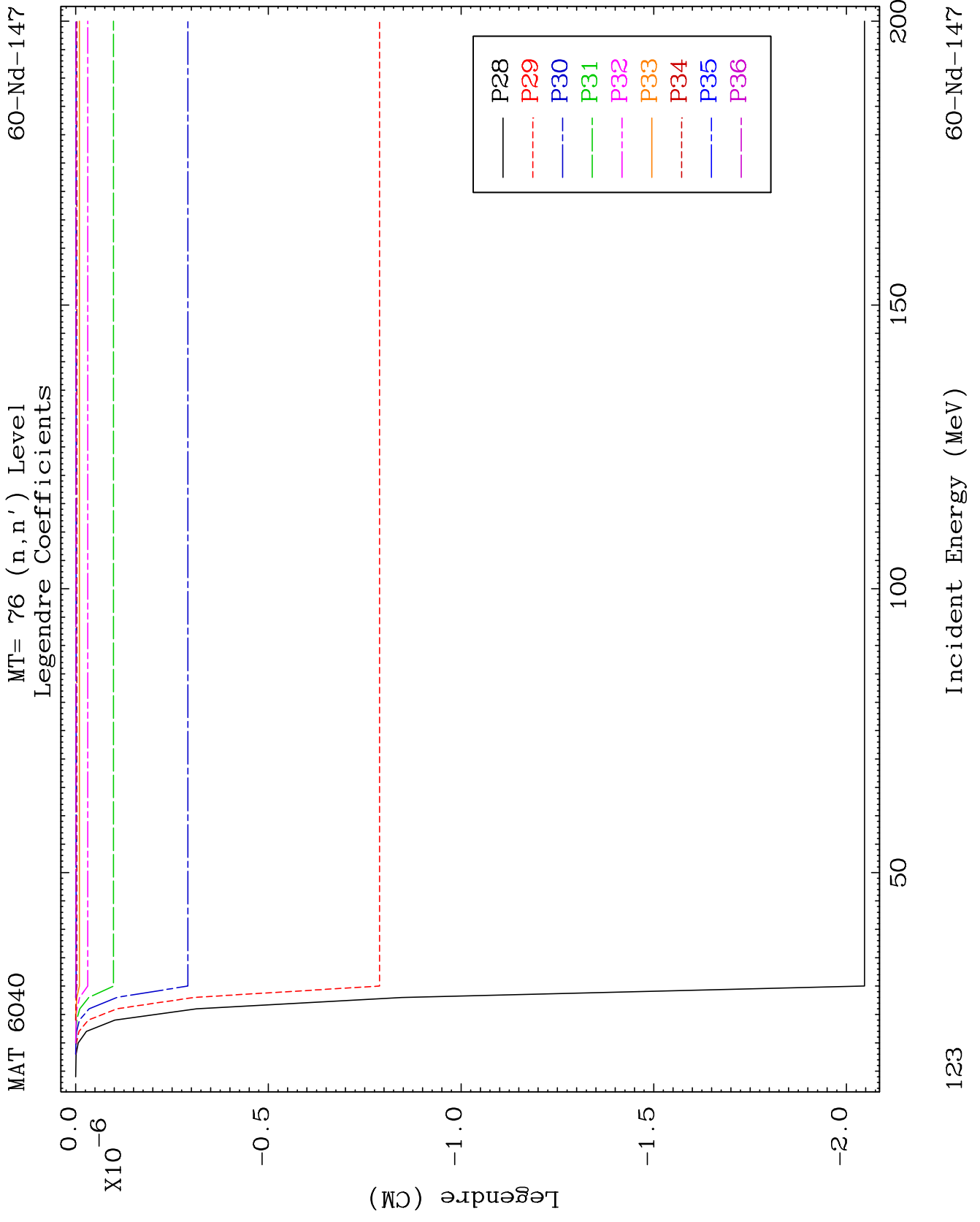


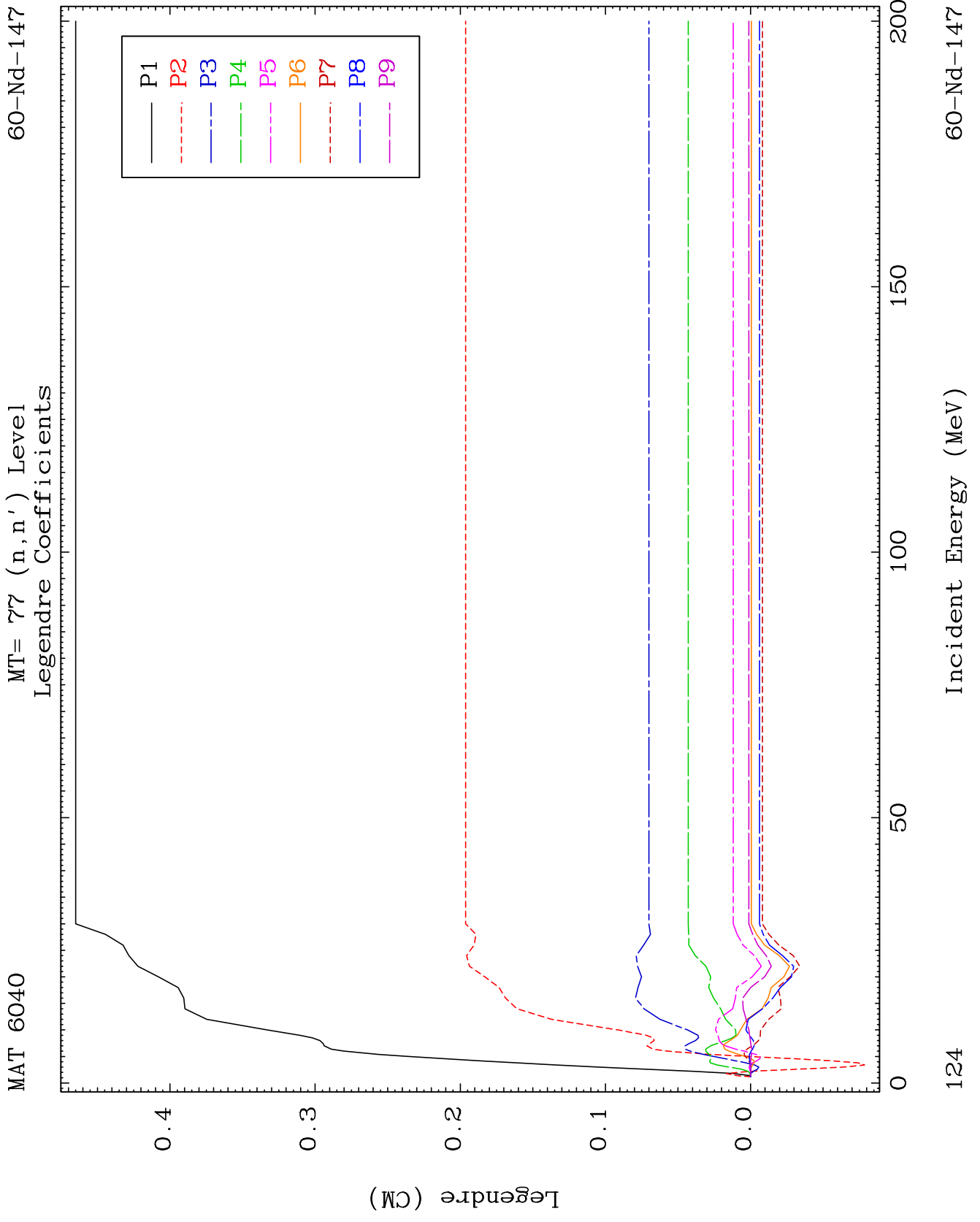
119

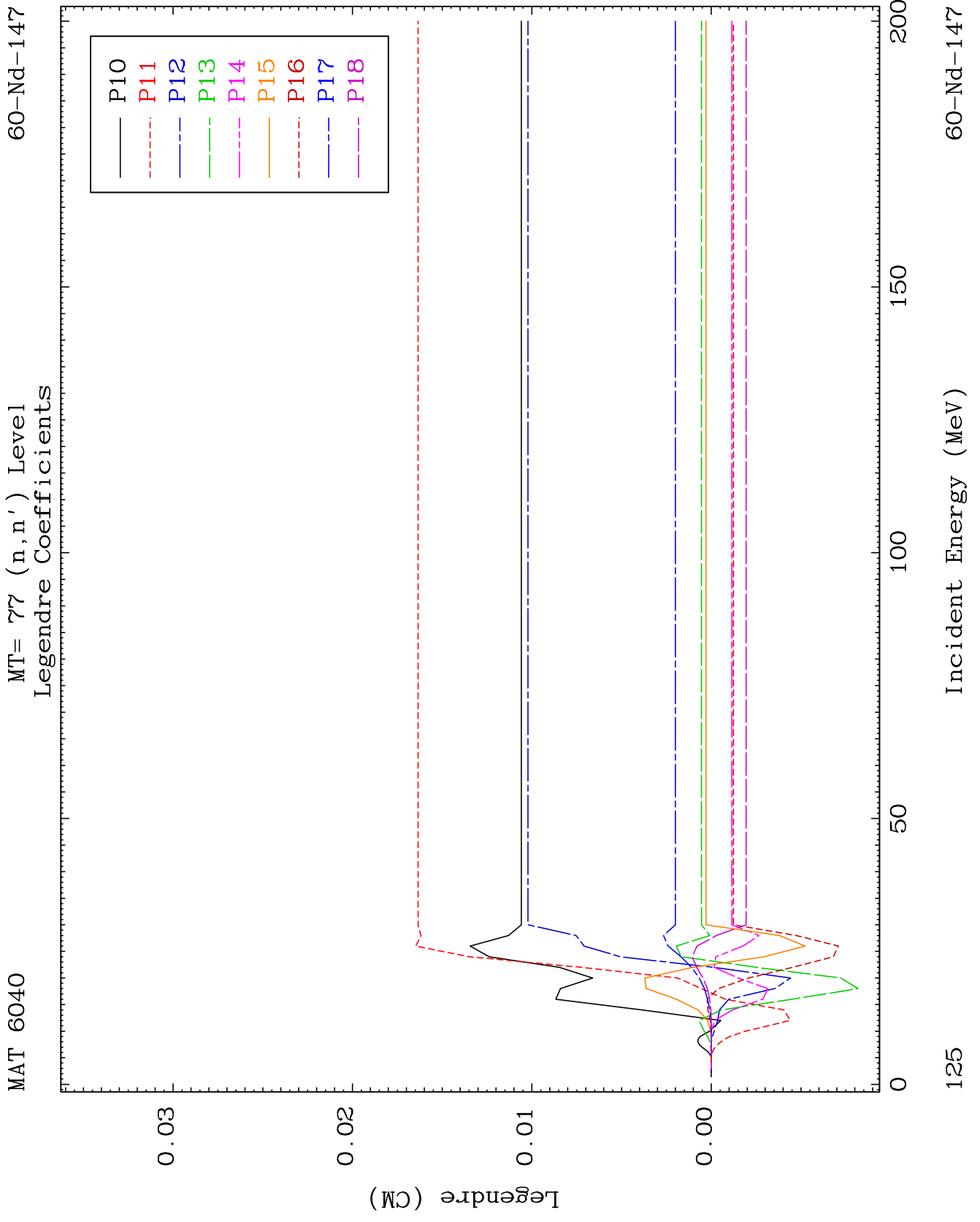
60-Nd-147







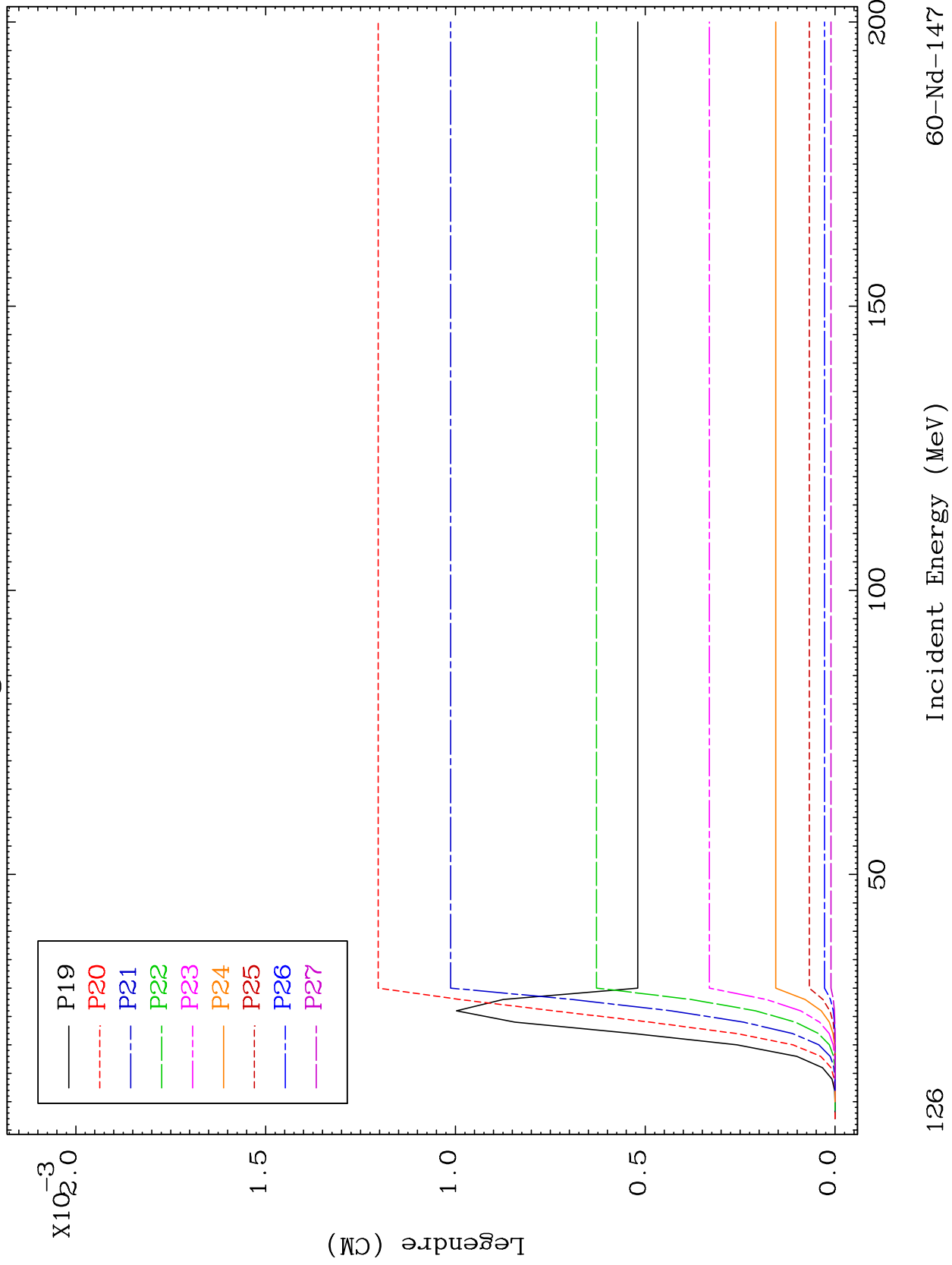


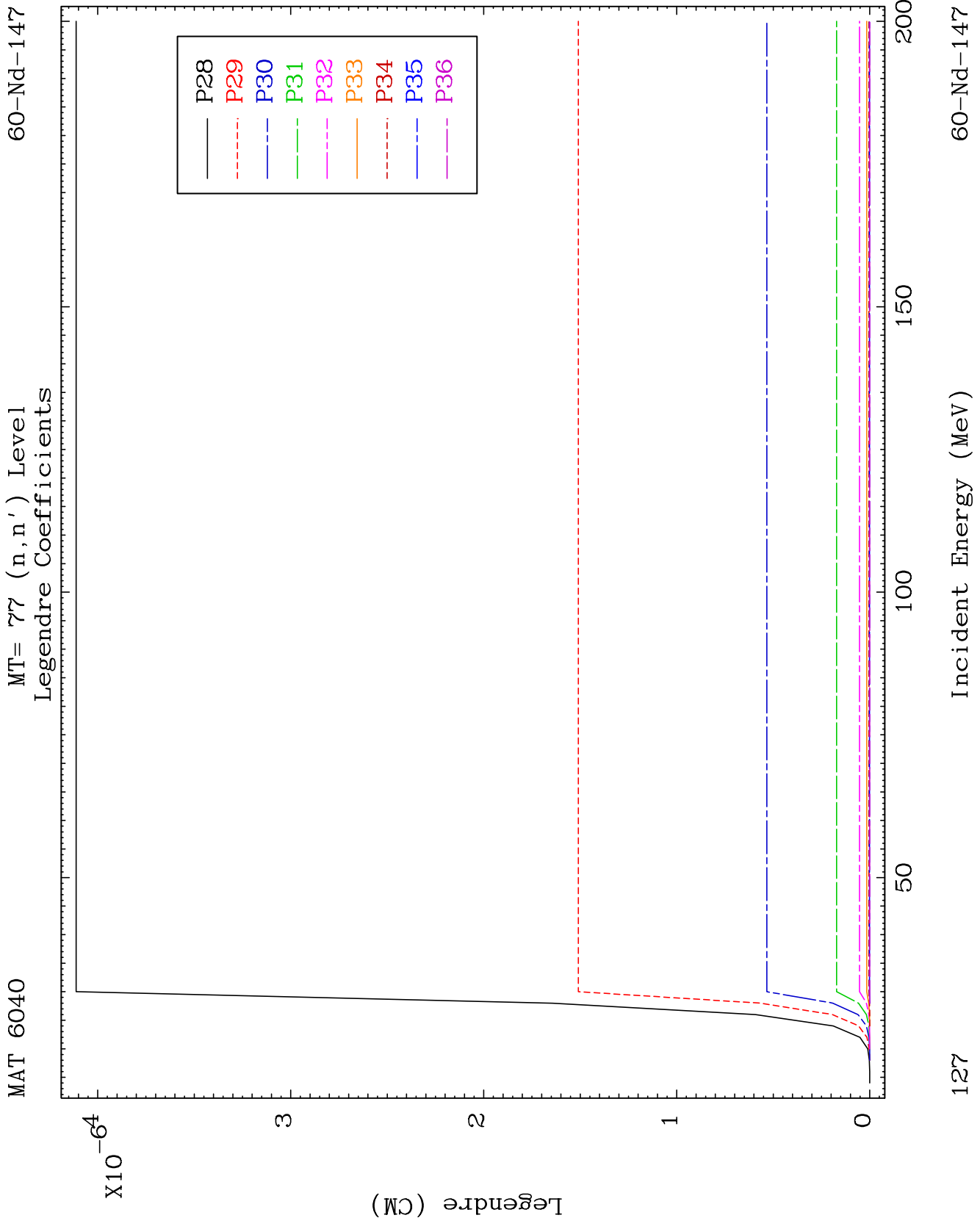


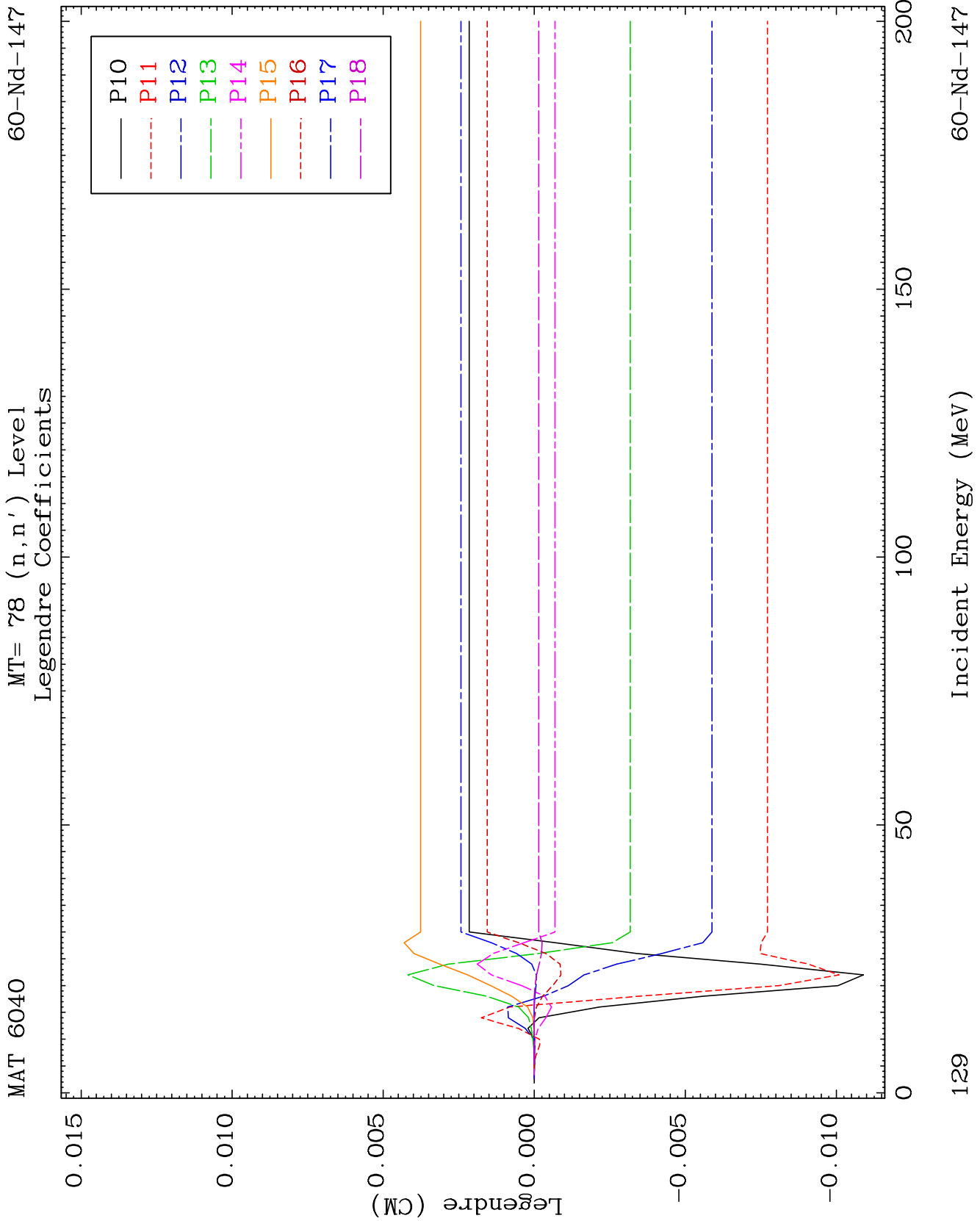
MAT 6040

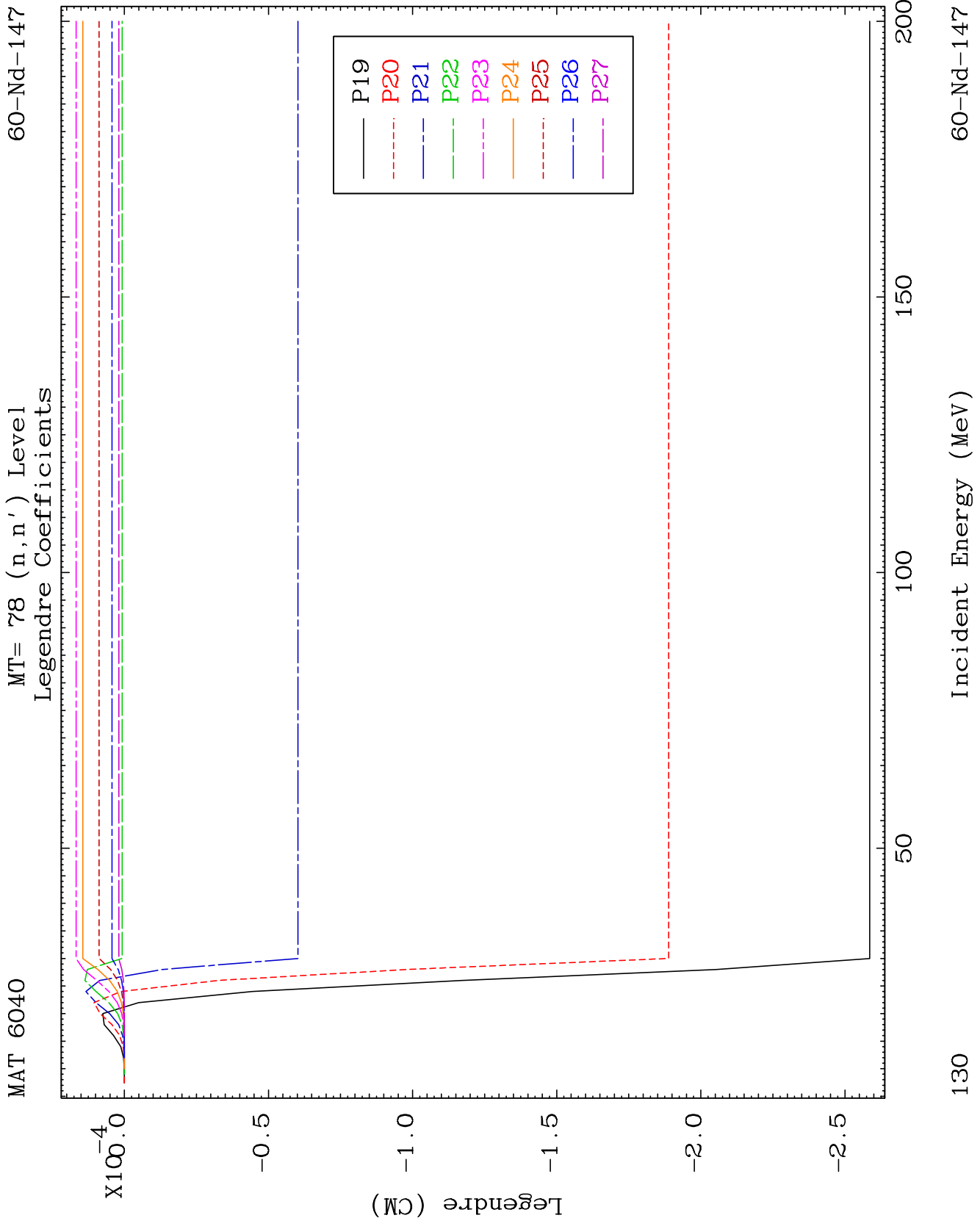
MT= 77 (n,n') Level
Legendre Coefficients

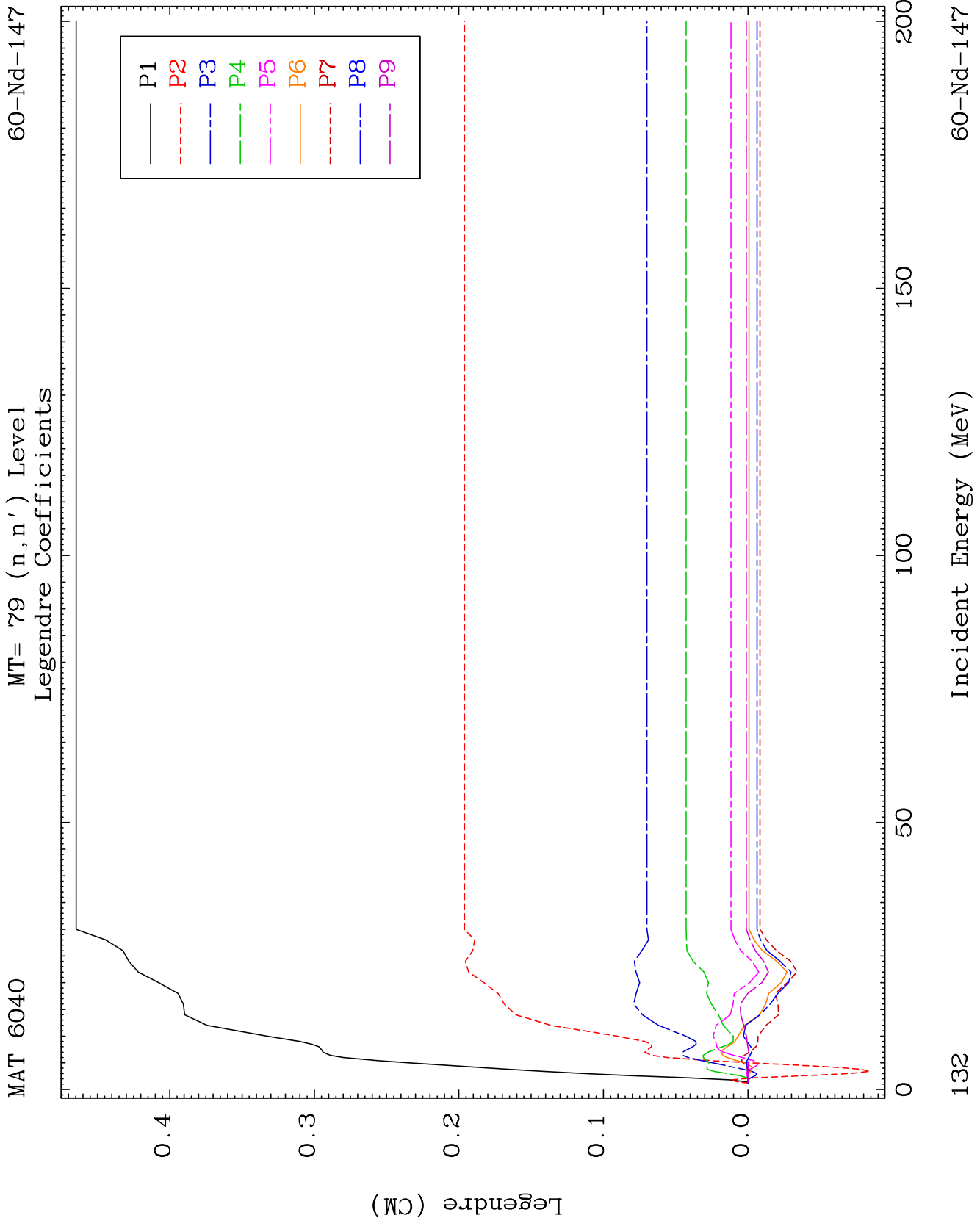
60-Nd-147

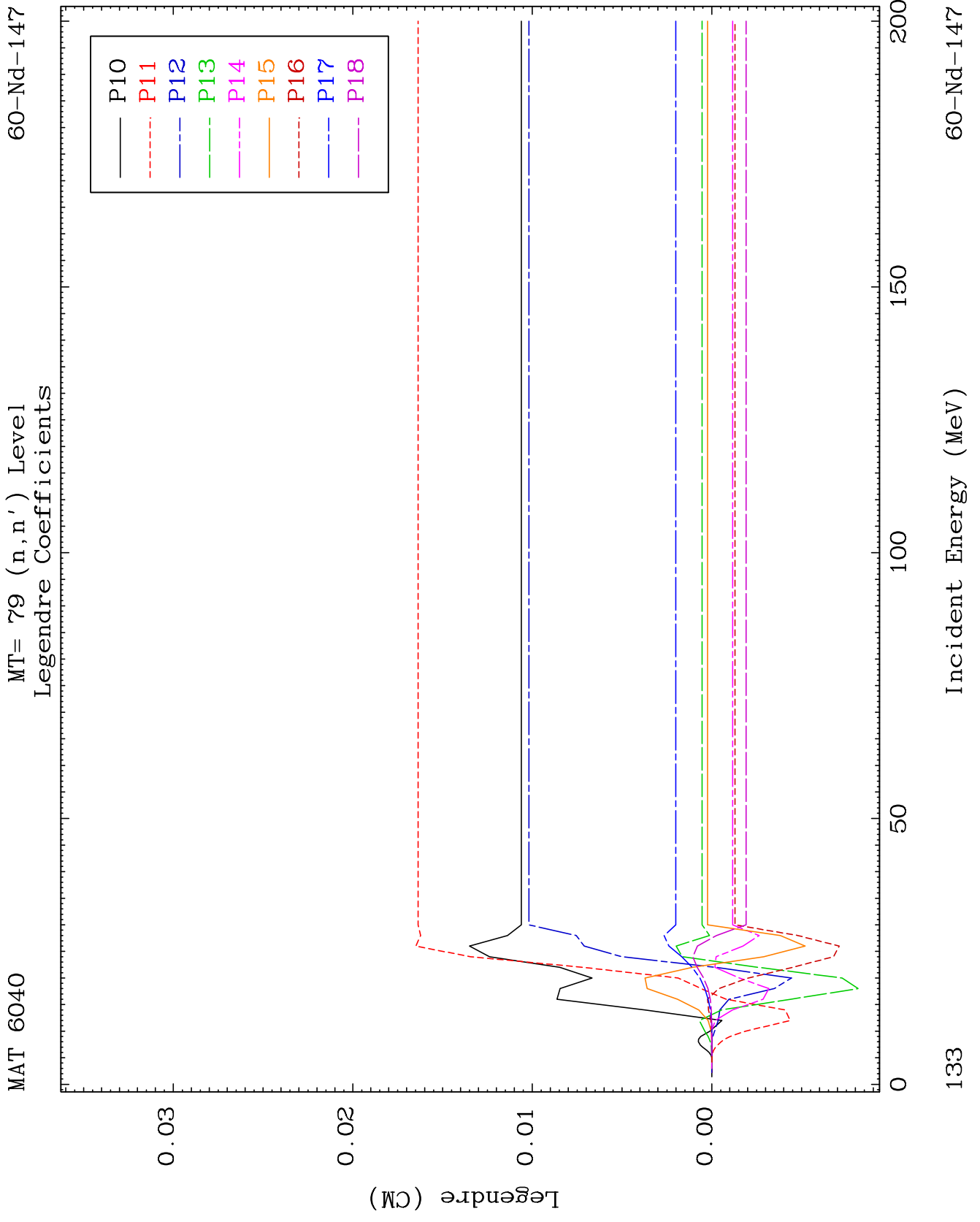








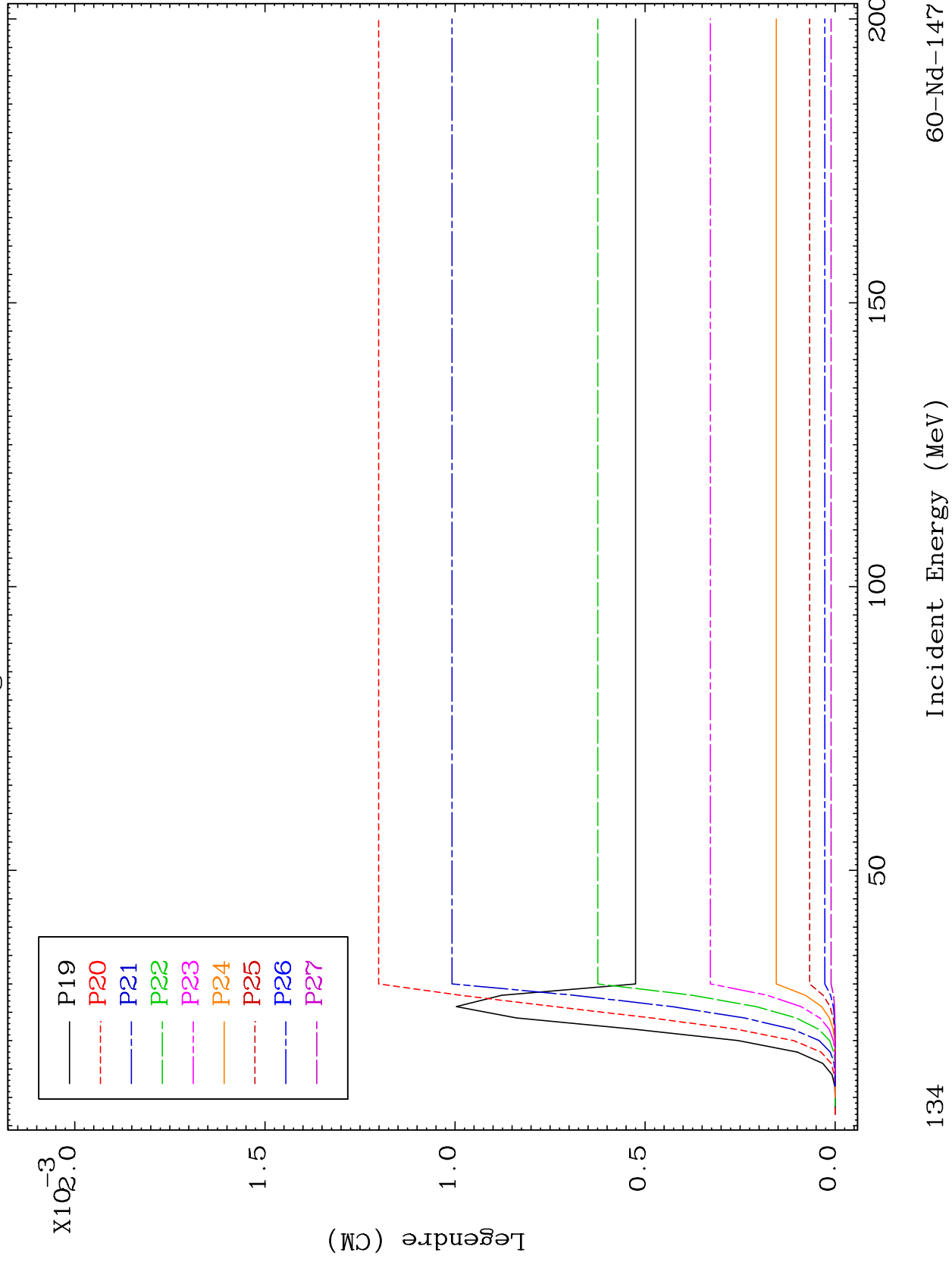


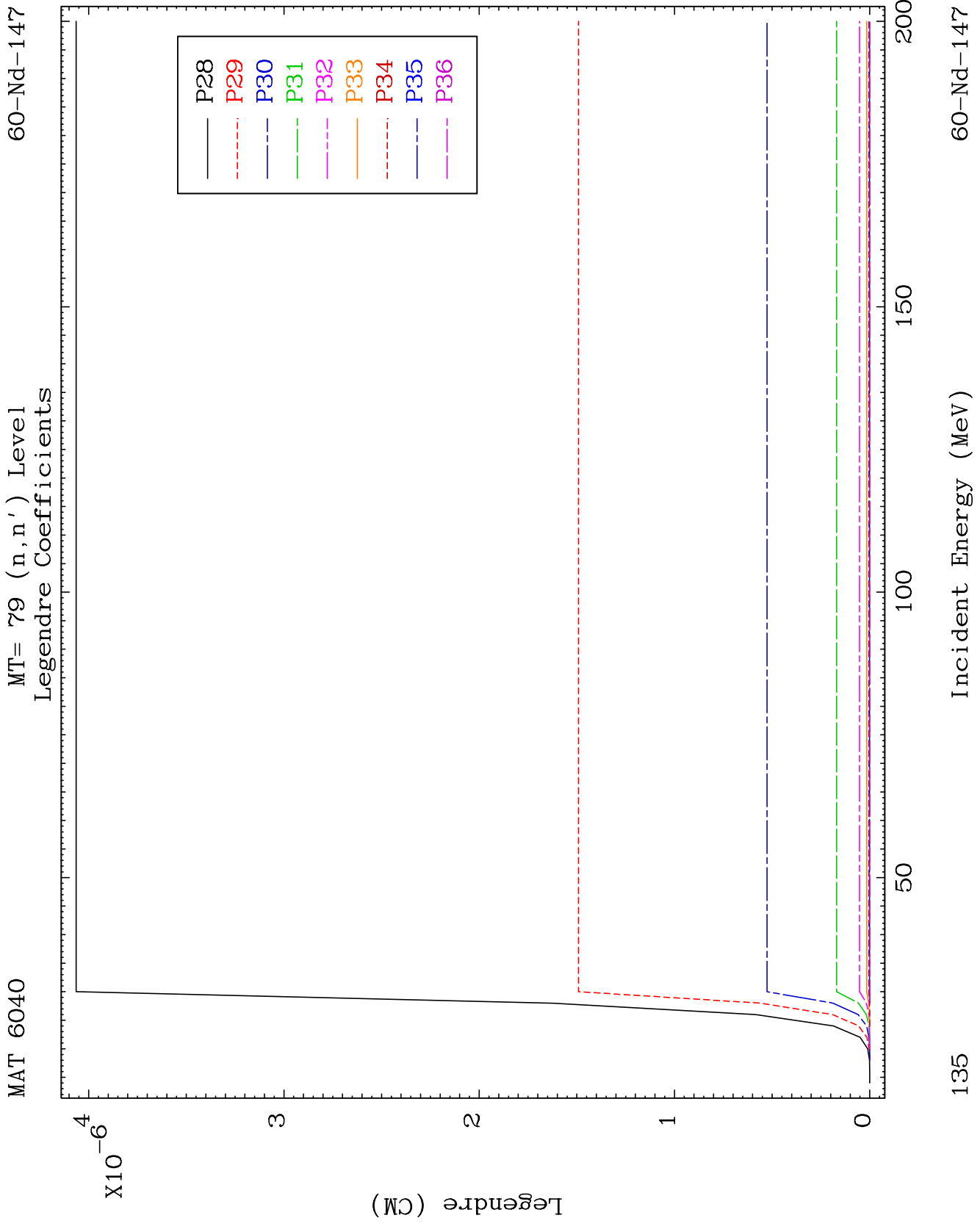


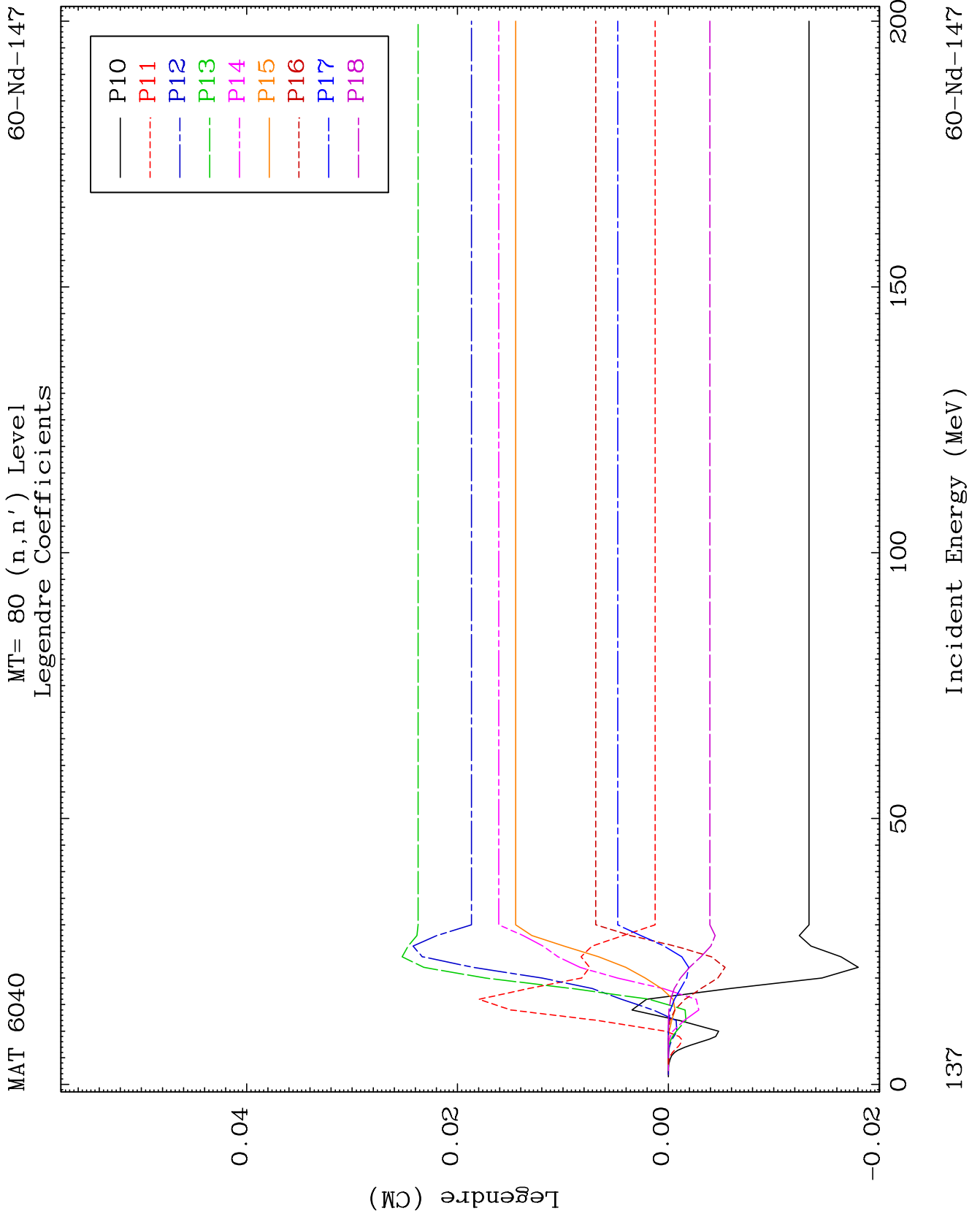
MAT 6040

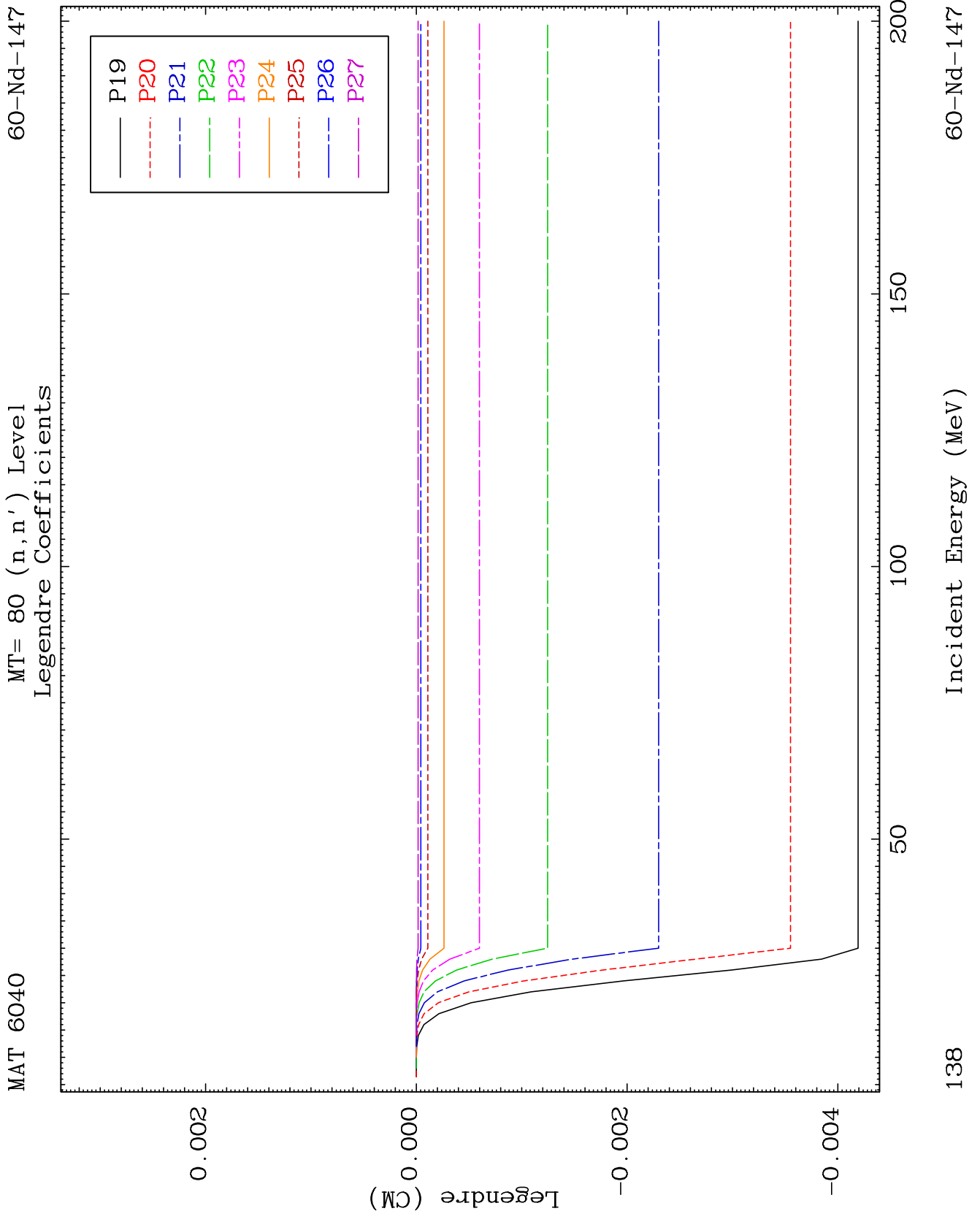
MT= 79 (n,n') Level
Legendre Coefficients

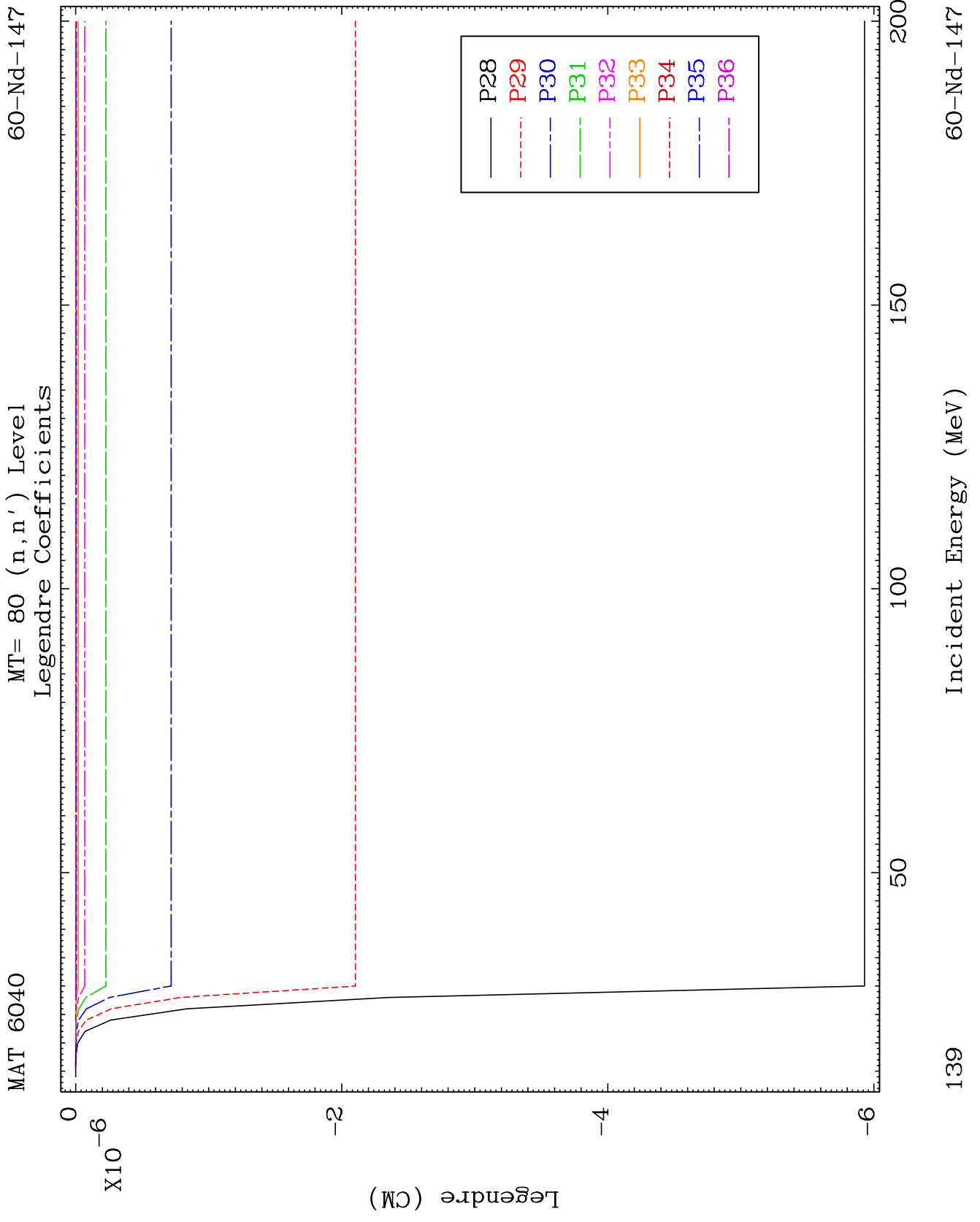
60-Nd-147









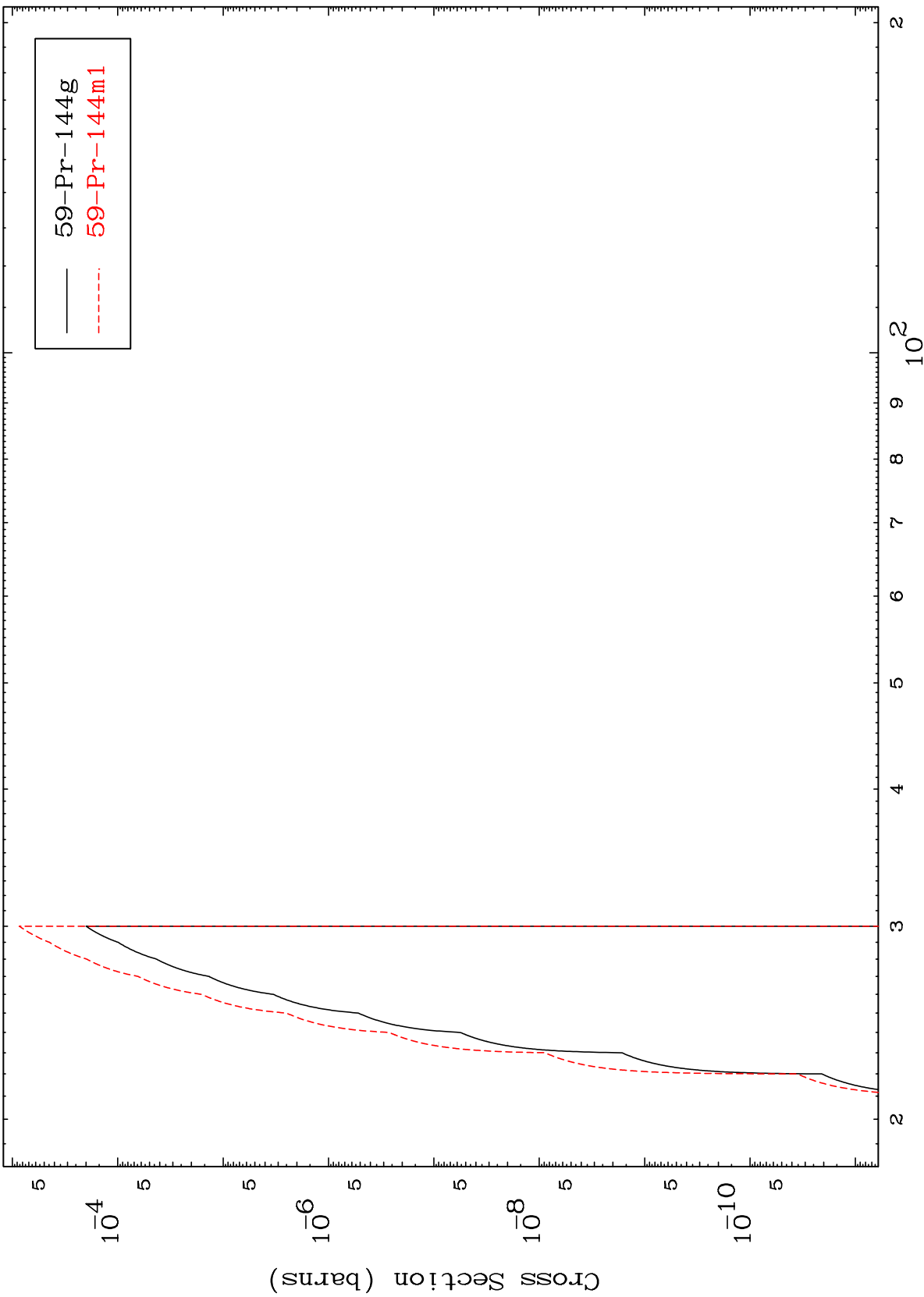


MAT 6040

(n,2n) d

60-Nd-147

Radionuclide Production Cross Section



140

Incident Energy (MeV)

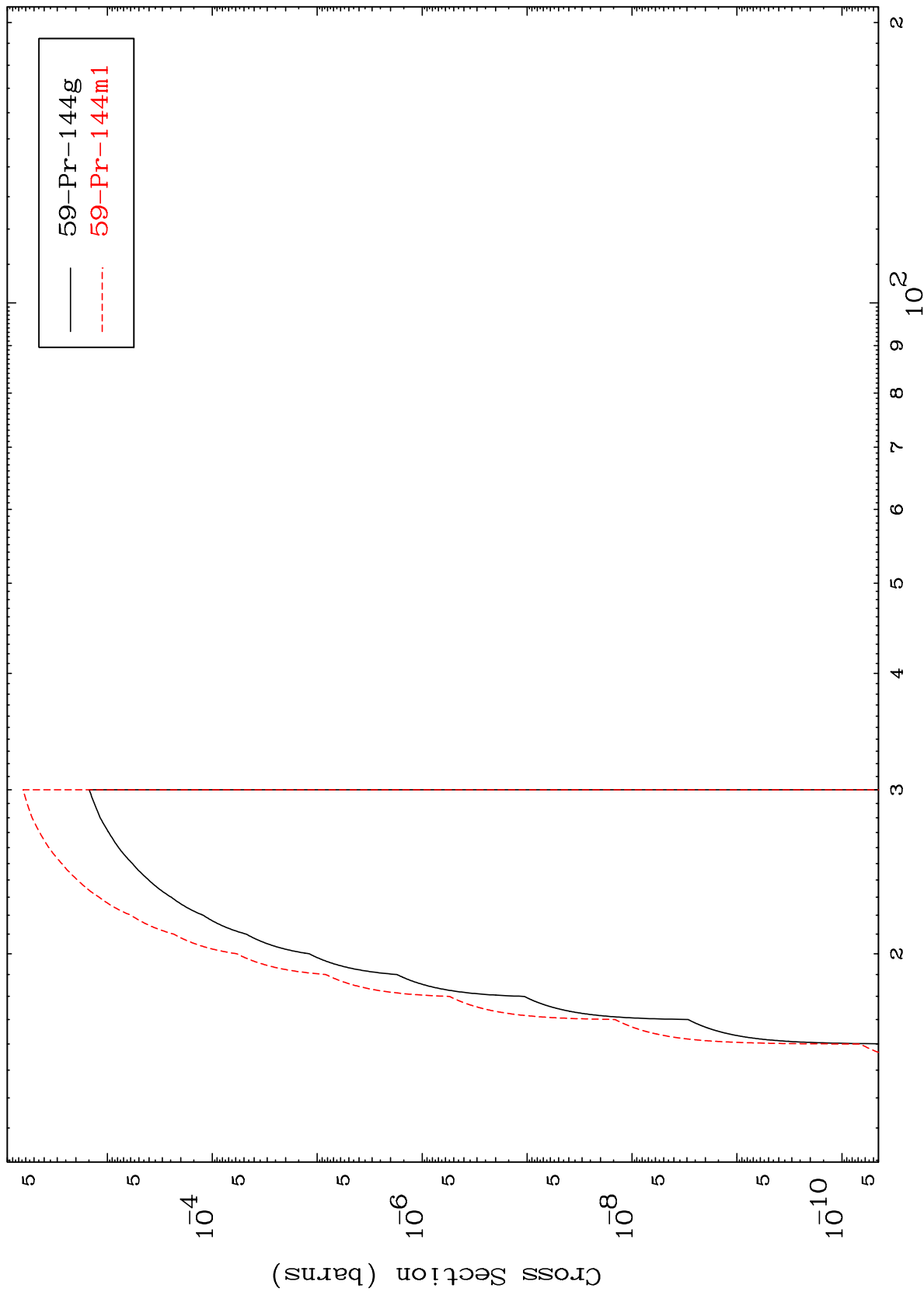
60-Nd-147

MAT 6040

(n,n') t

60-Nd-147

Radionuclide Production Cross Section



141

Incident Energy (MeV)

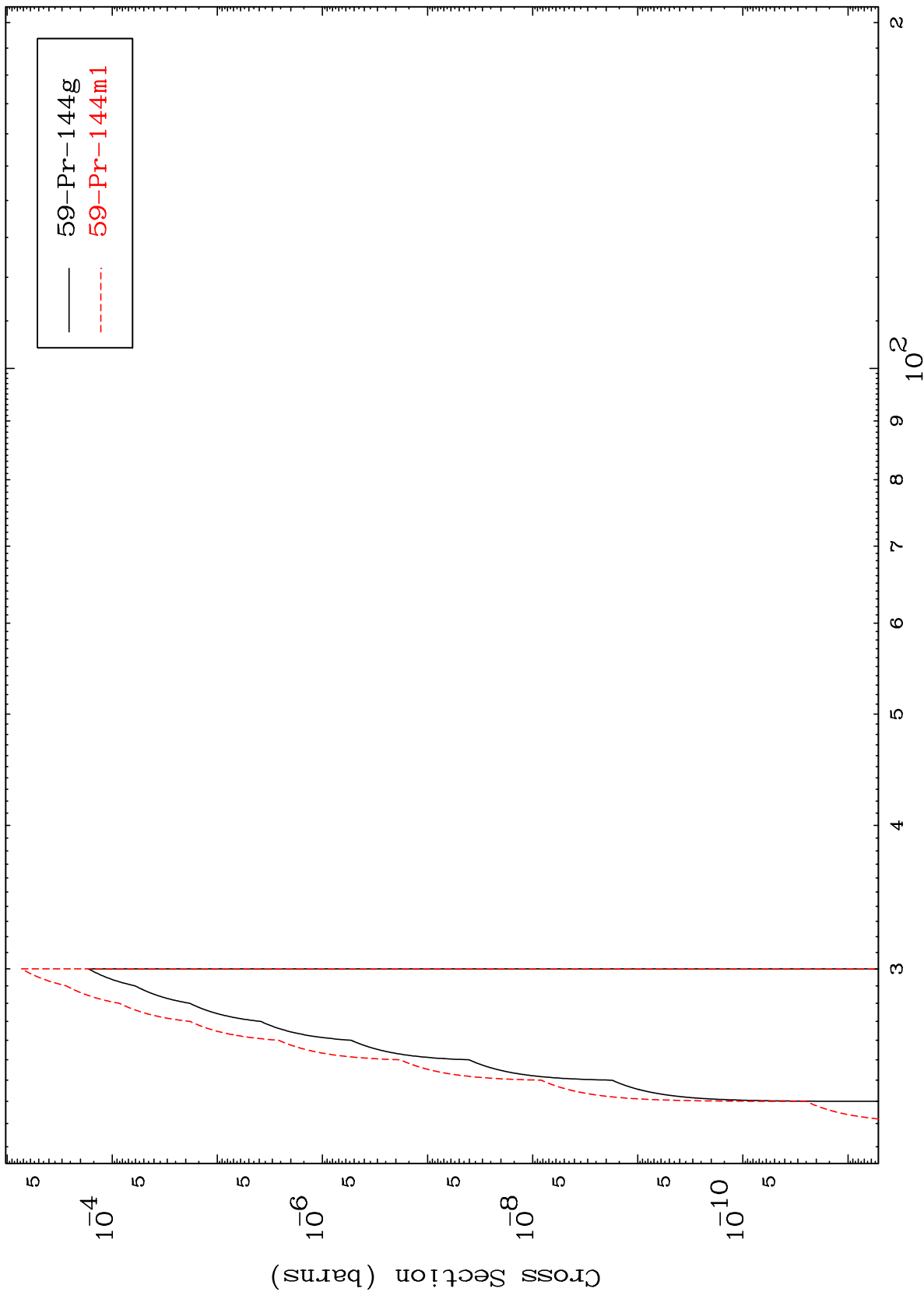
60-Nd-147

MAT 6040

(n,3n) p

60-Nd-147

Radionuclide Production Cross Section



142

Incident Energy (MeV)

60-Nd-147