

Program EVALPLOT  
(Version 2021-1)

by

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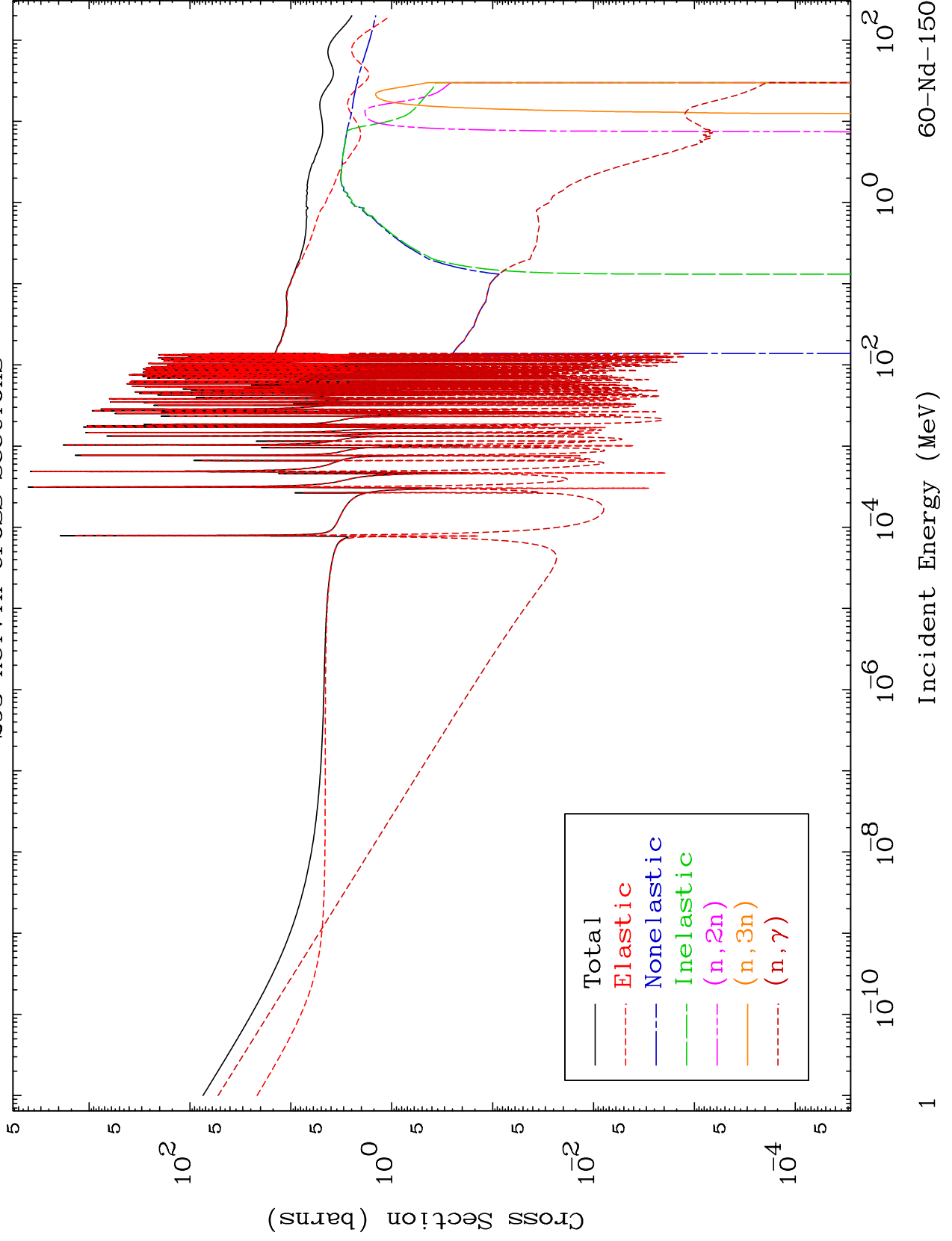
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6049

Neutron Major  
293 Kelvin Cross Sections

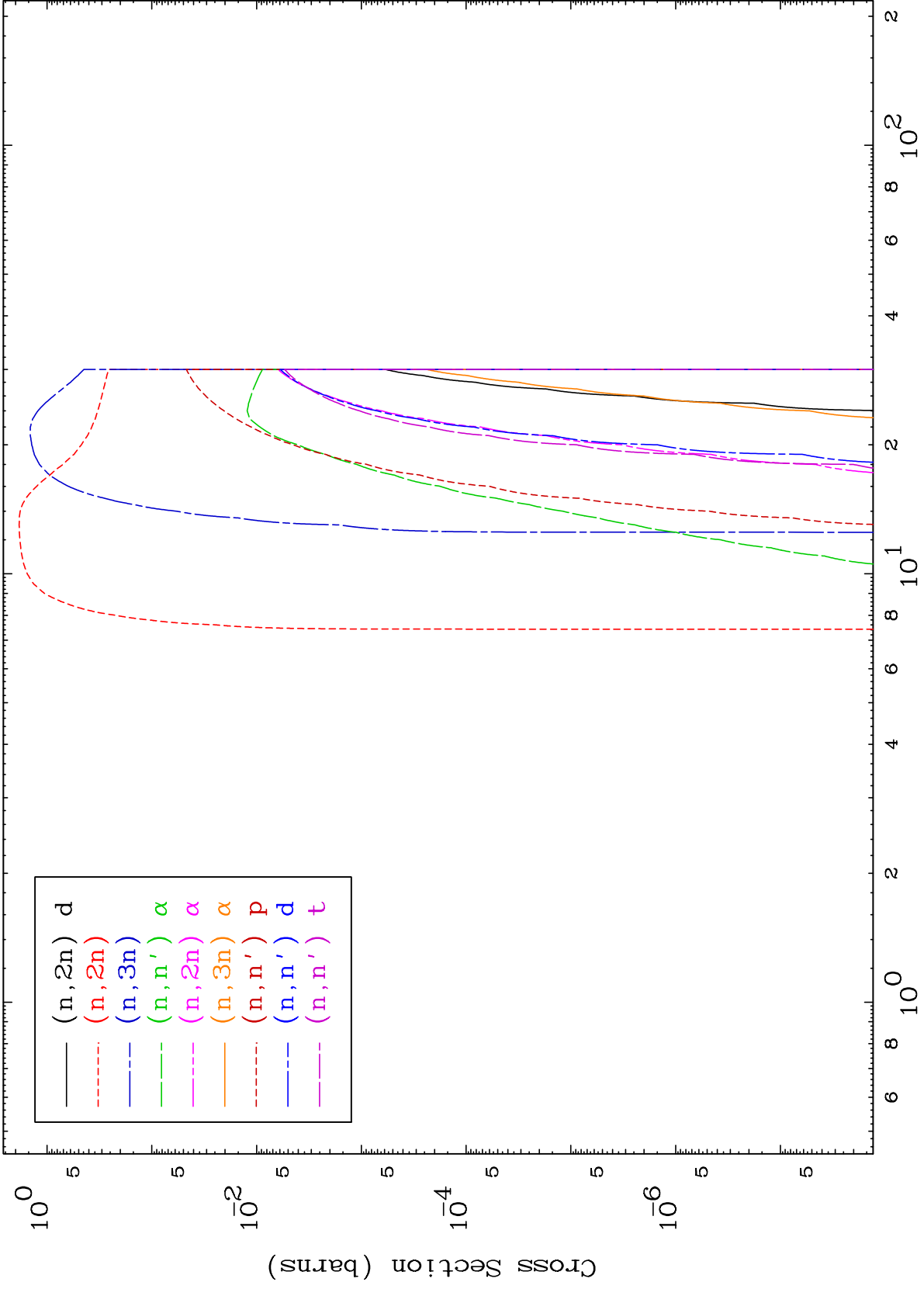
60-Nd-150



MAT 6049

Neutron Absorption  
293 Kelvin Cross Sections

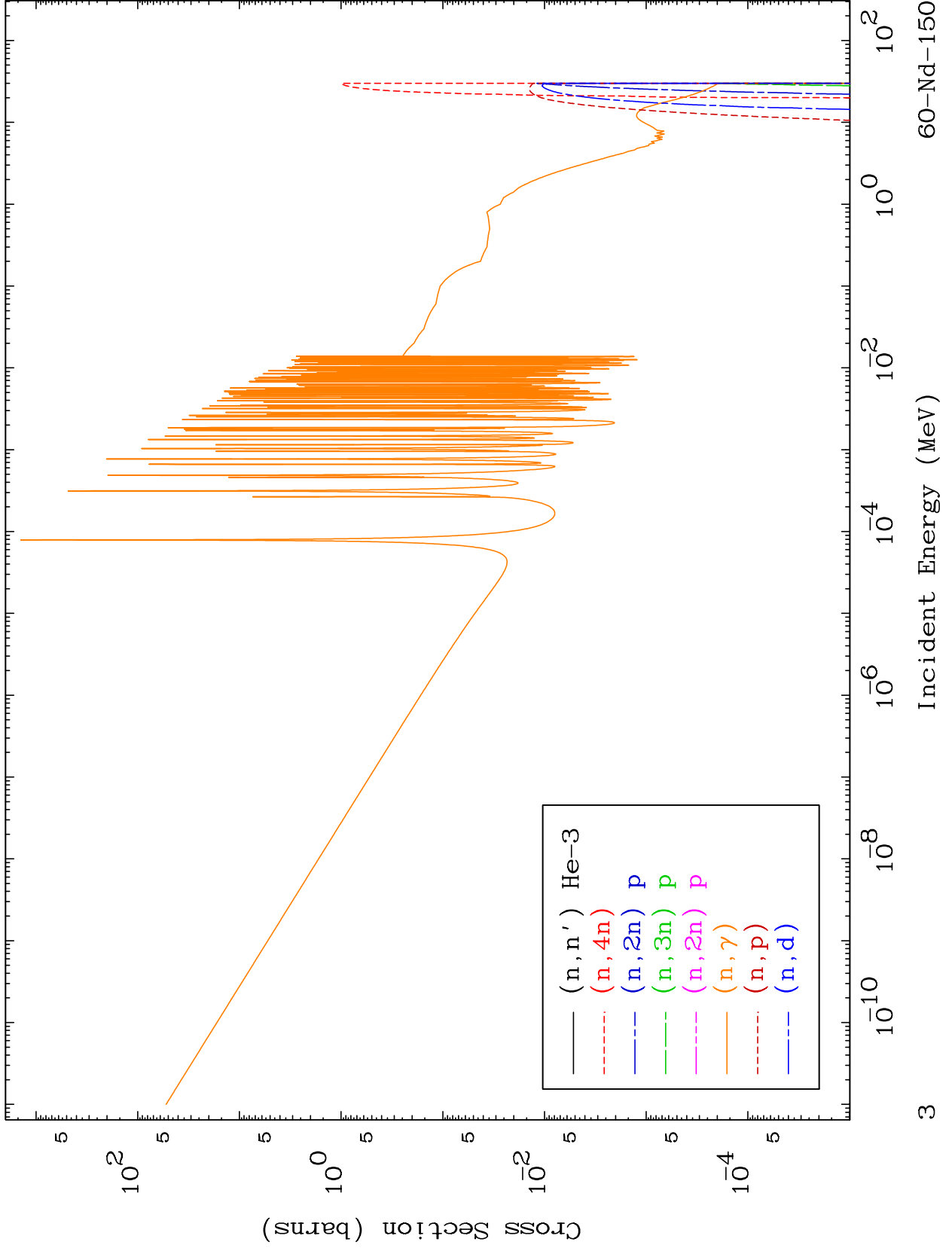
60-Nd-150



MAT 6049

Neutron Absorption  
293 Kelvin Cross Sections

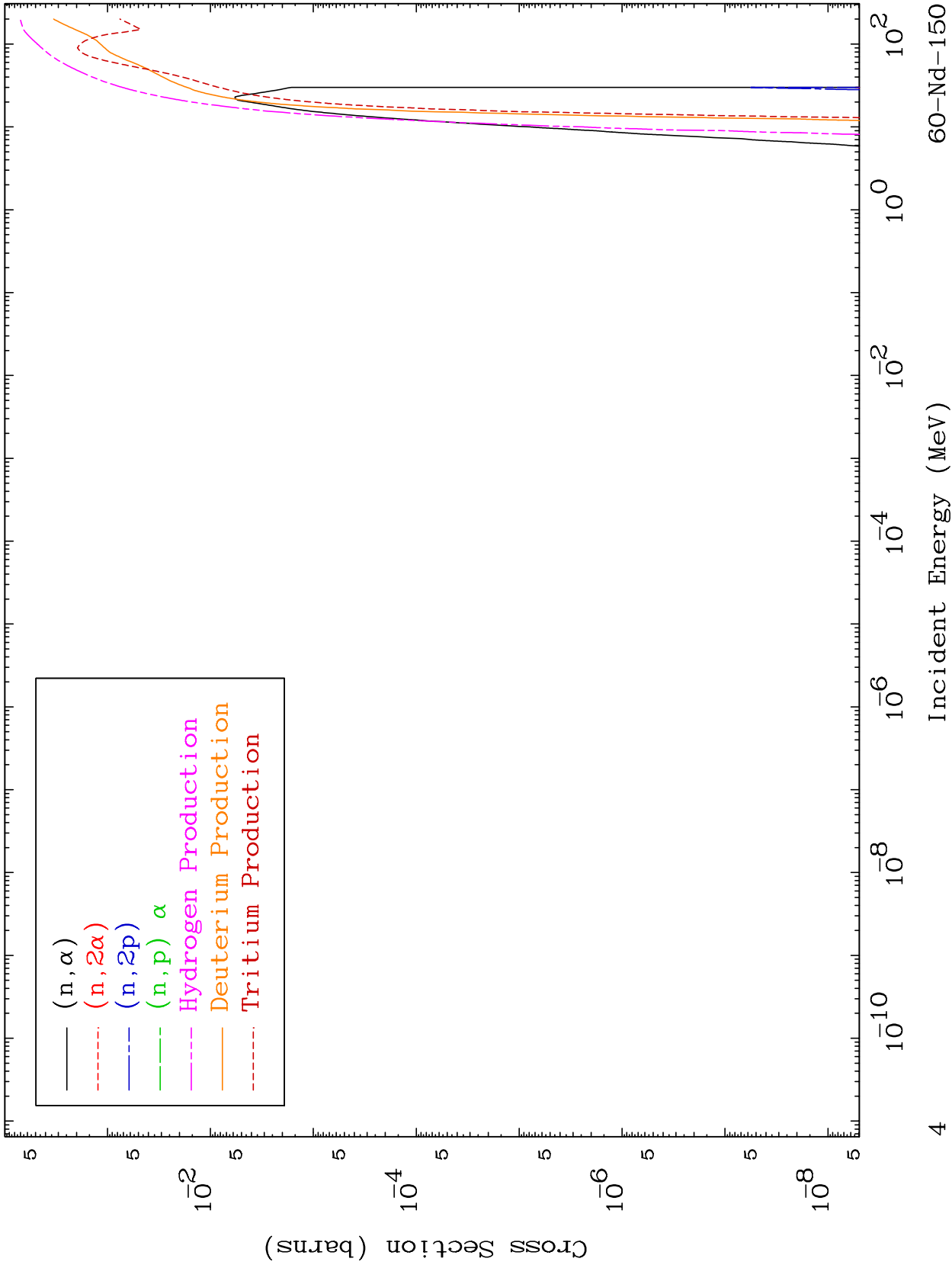
60-Nd-150



MAT 6049

Neutron Absorption  
293 Kelvin Cross Sections

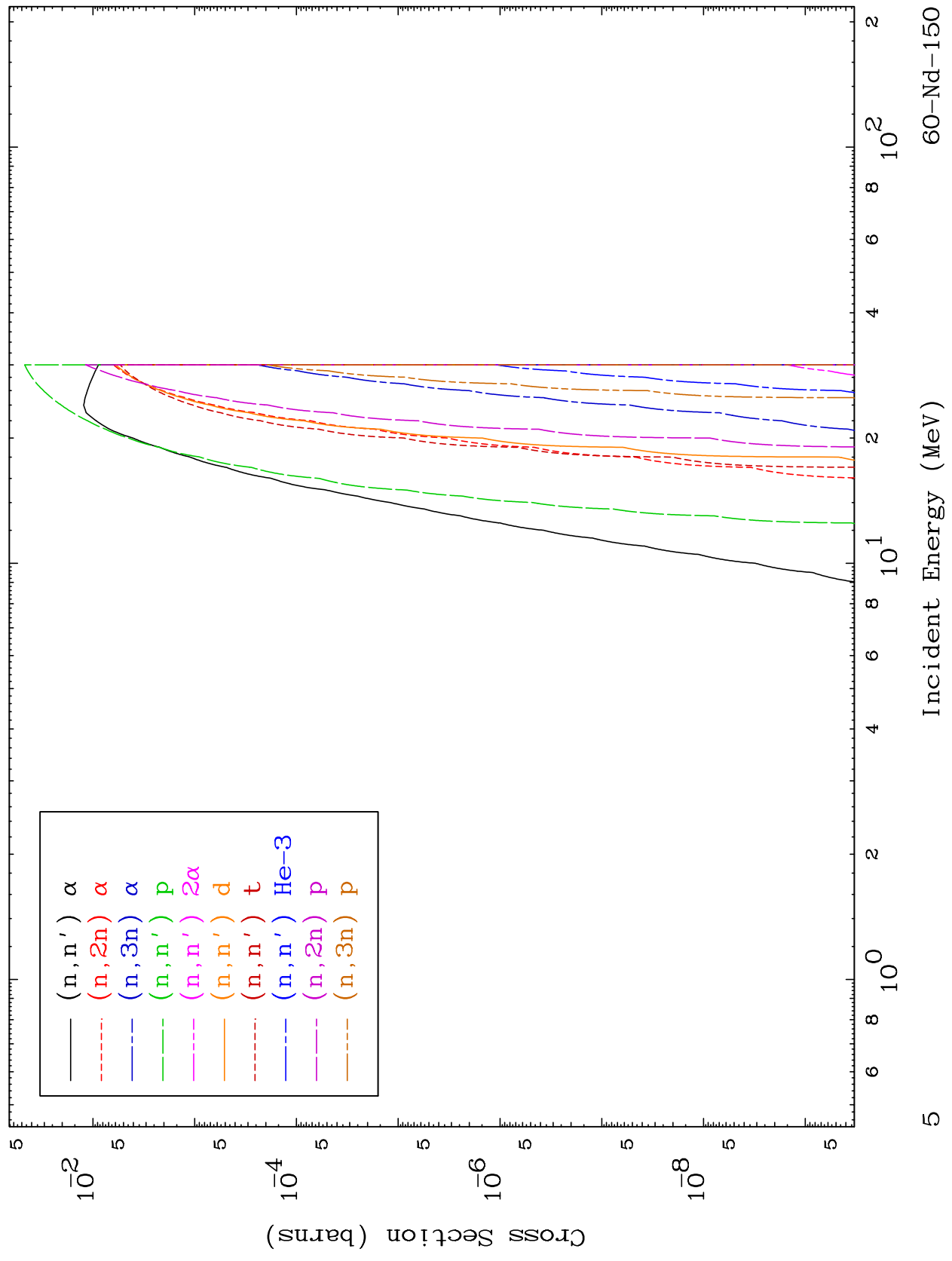
60-Nd-150



MAT 6049

Charged Particle  
293 Kelvin Cross Sections

60-Nd-150



5

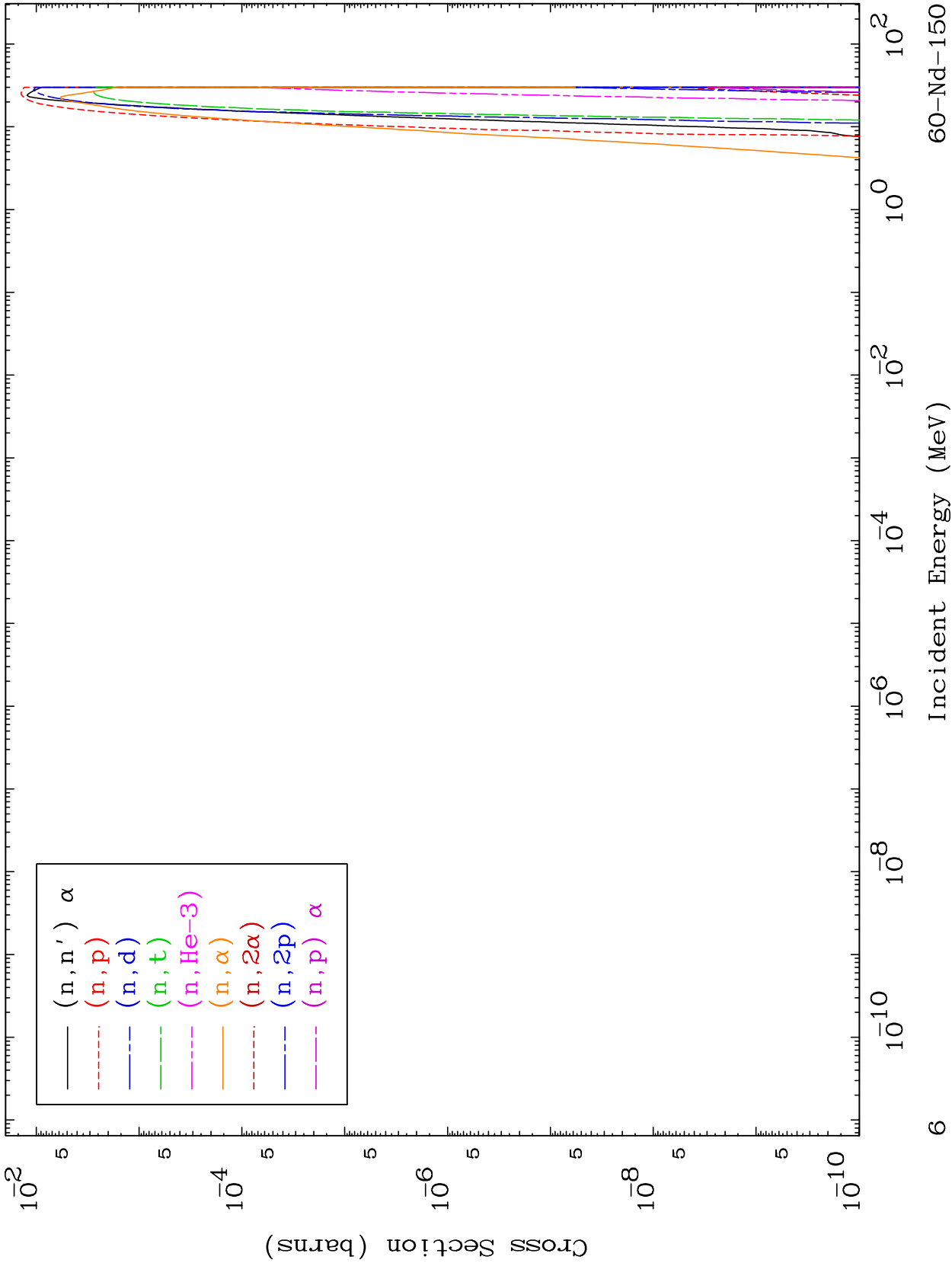
Incident Energy (MeV)

60-Nd-150

MAT 6049

Charged Particle  
293 Kelvin Cross Sections

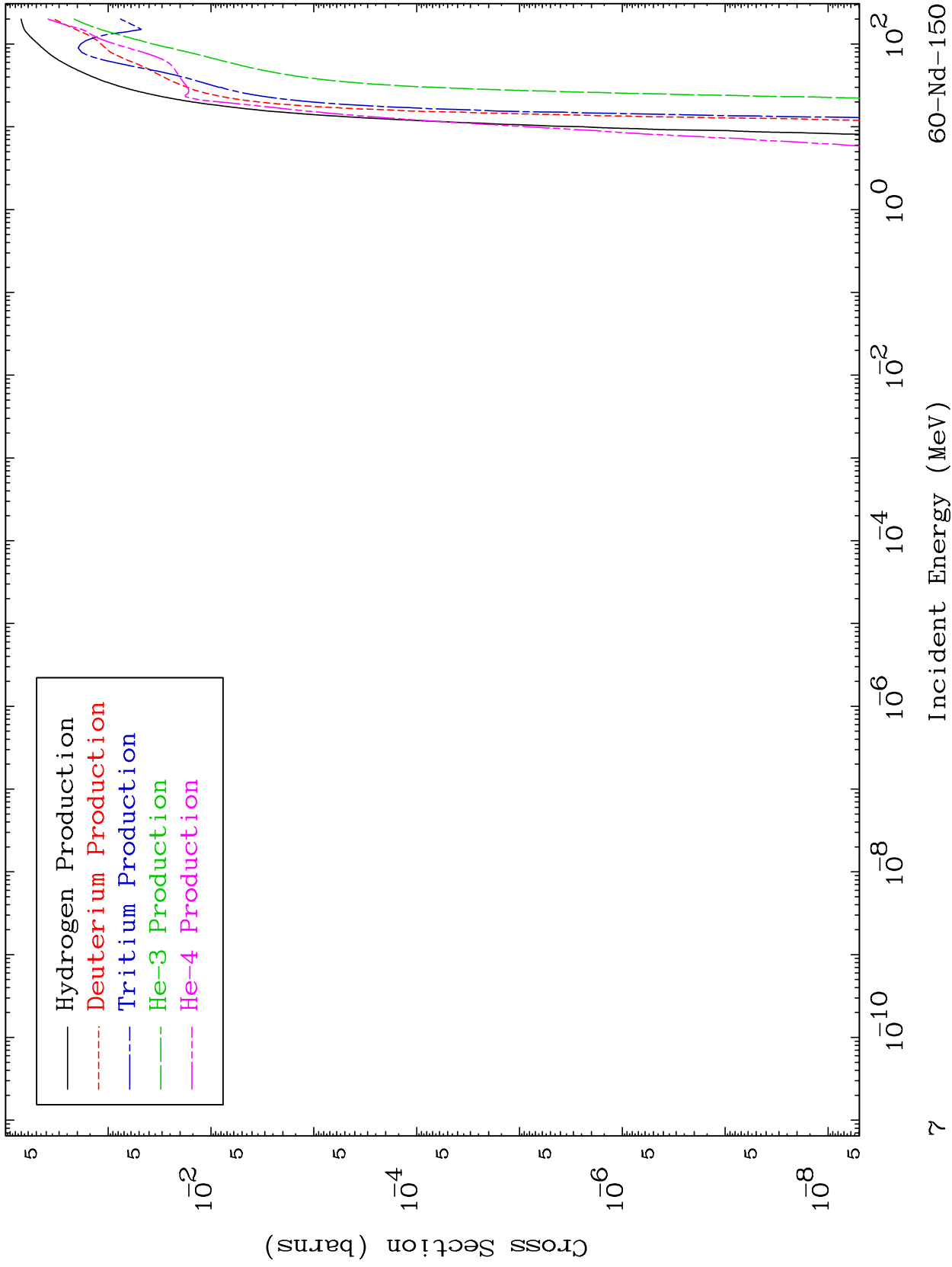
60-Nd-150



MAT 6049

Particle Production  
293 Kelvin Cross Sections

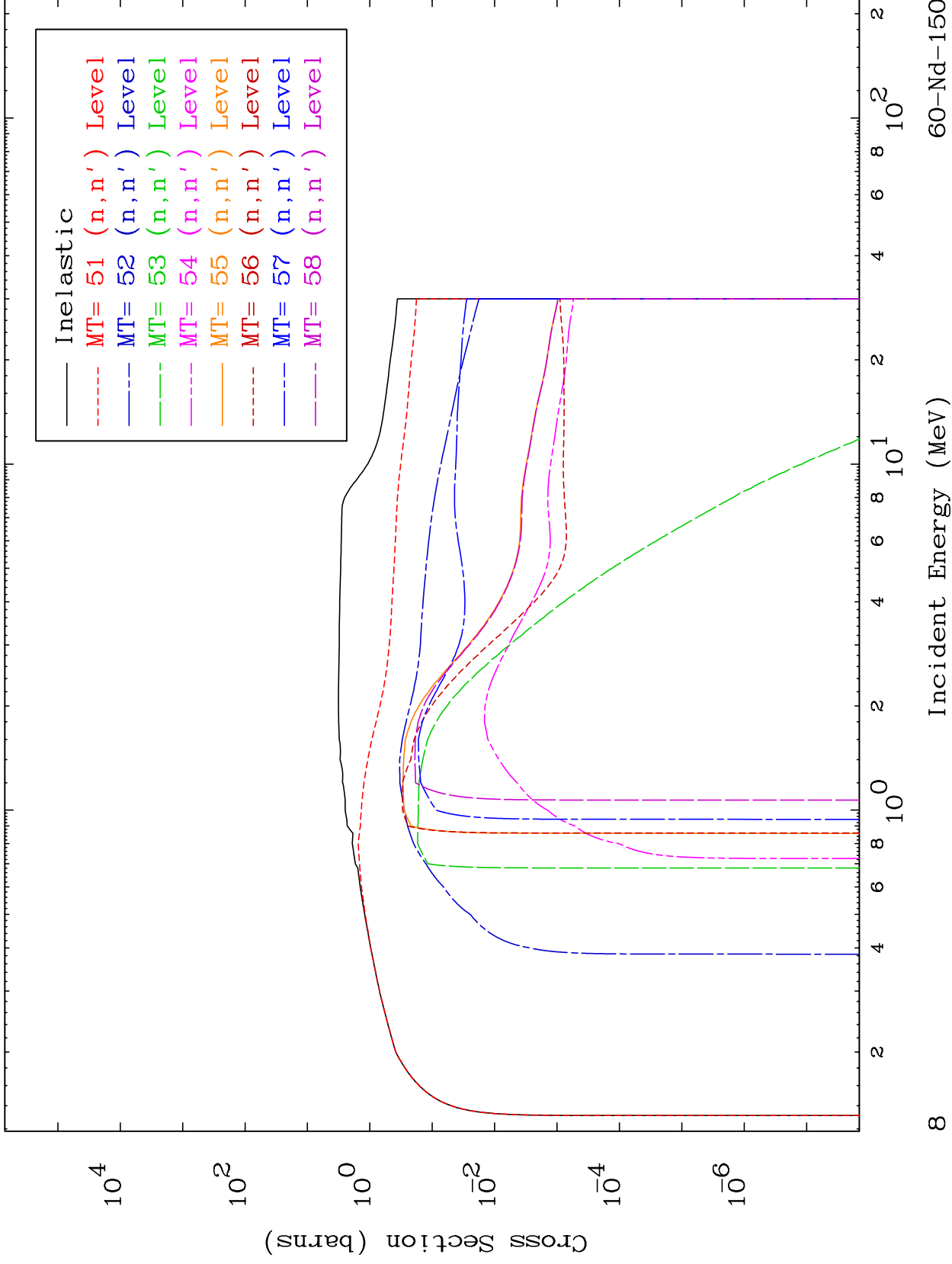
60-Nd-150



MAT 6049

(n,n') Levels  
293 Kelvin Cross Sections

60-Nd-150

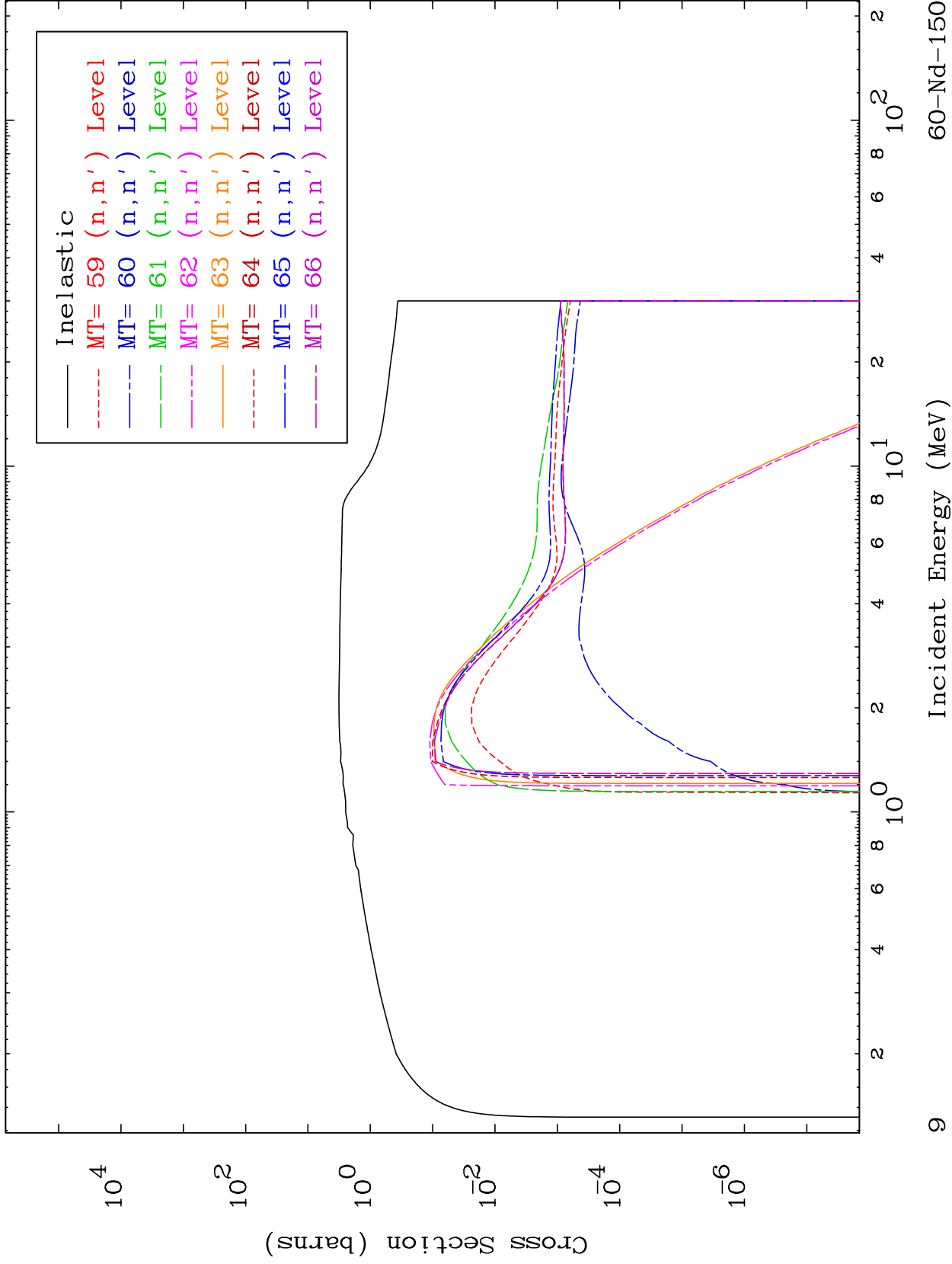


MAT 6049

(n,n') Levels

60-Nd-150

293 Kelvin Cross Sections

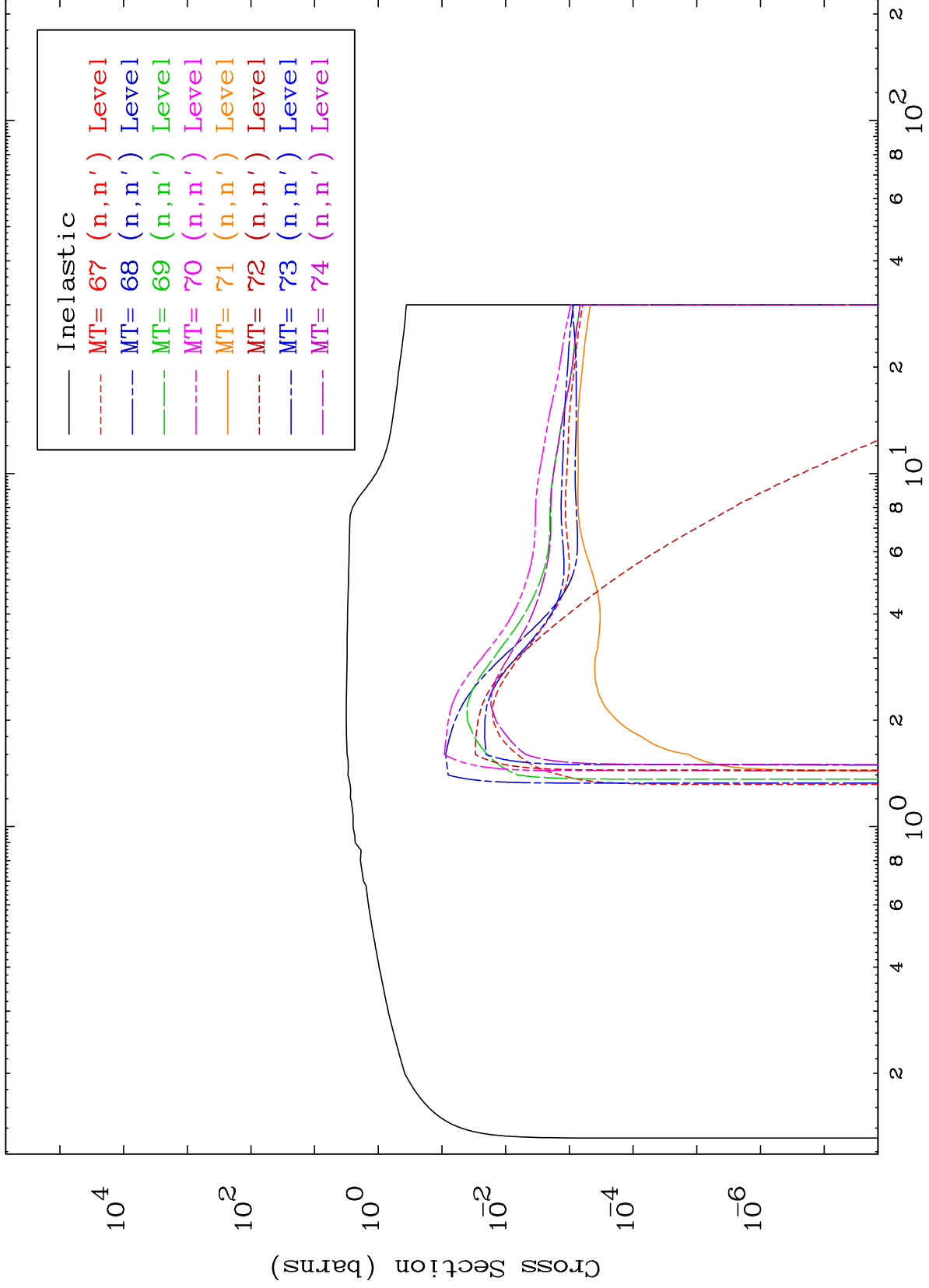


MAT 6049

(n,n') Levels

60-Nd-150

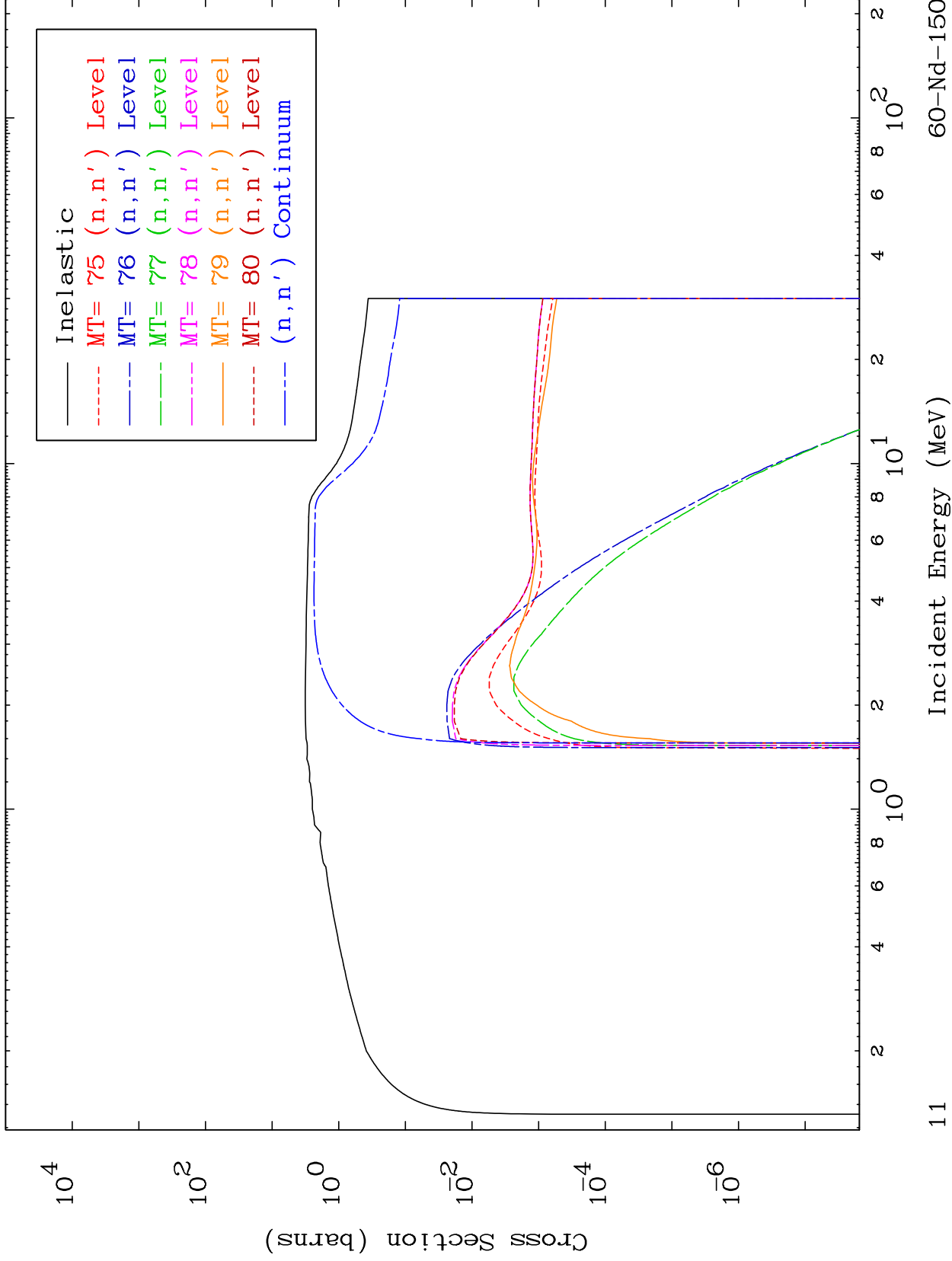
293 Kelvin Cross Sections



10

Incident Energy (MeV)

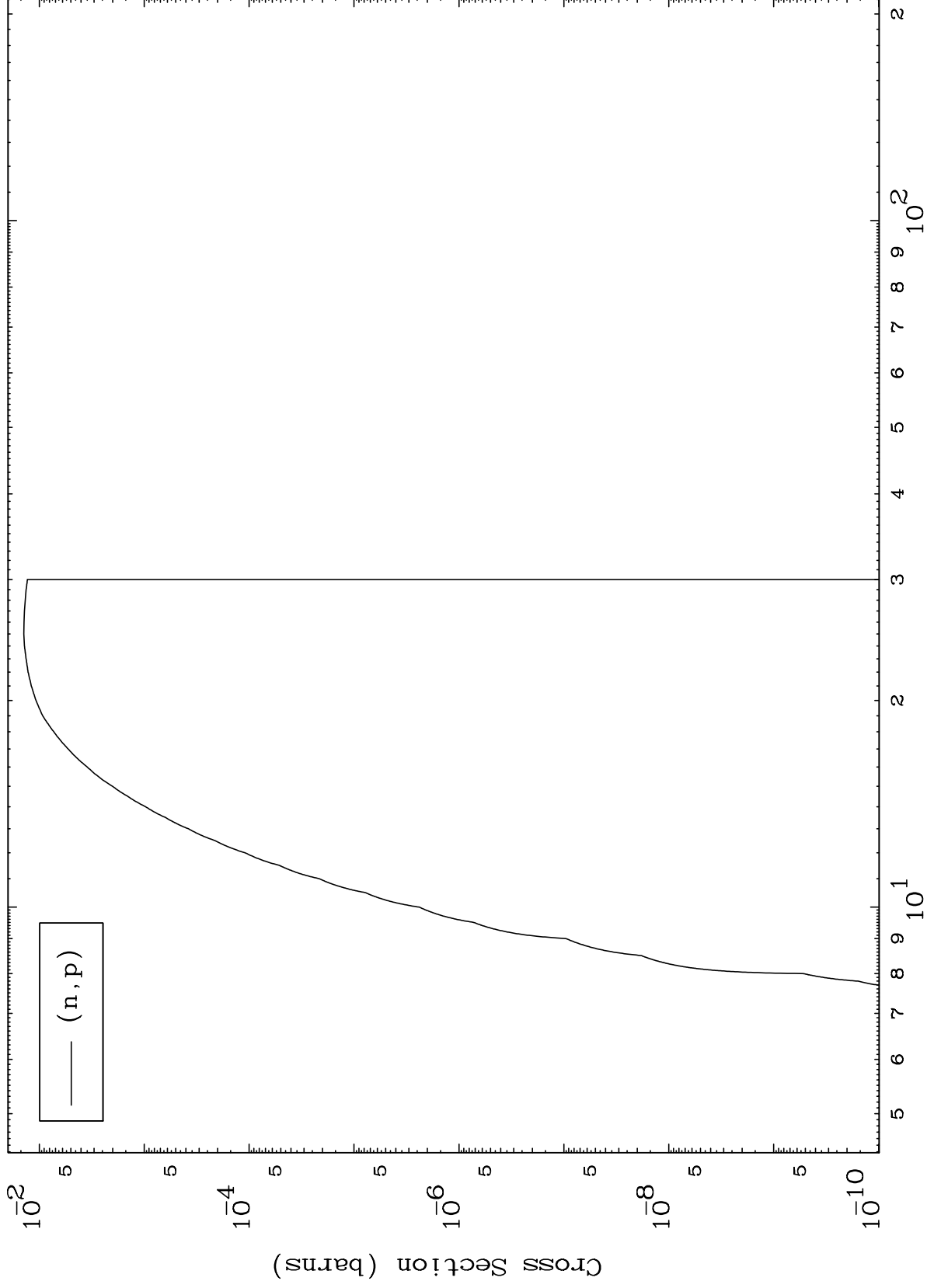
60-Nd-150



MAT 6049

(n,p) Levels  
293 Kelvin Cross Sections

60-Nd-150



12

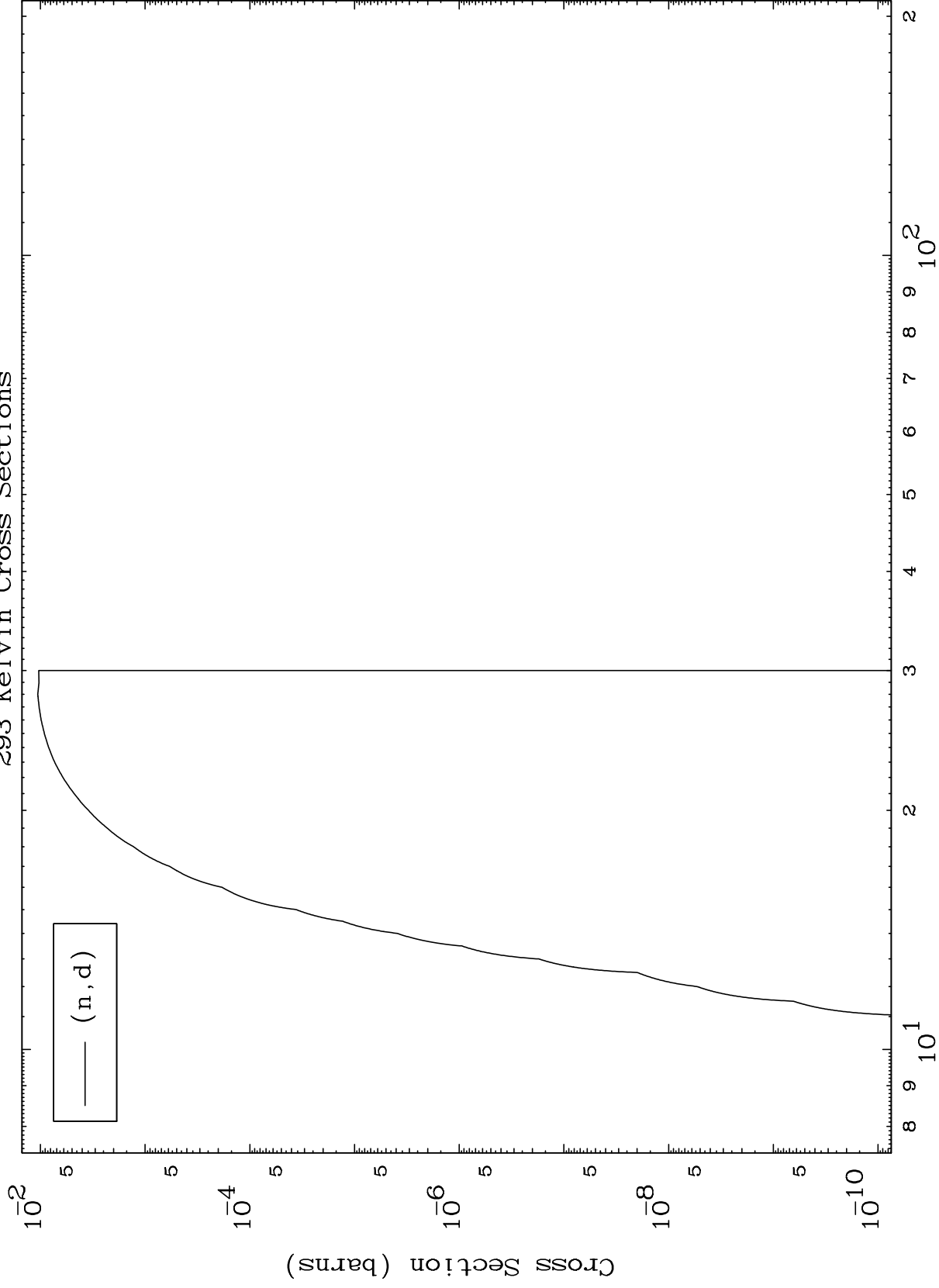
Incident Energy (MeV)

60-Nd-150

MAT 6049

(n,d) Levels  
293 Kelvin Cross Sections

60-Nd-150



13

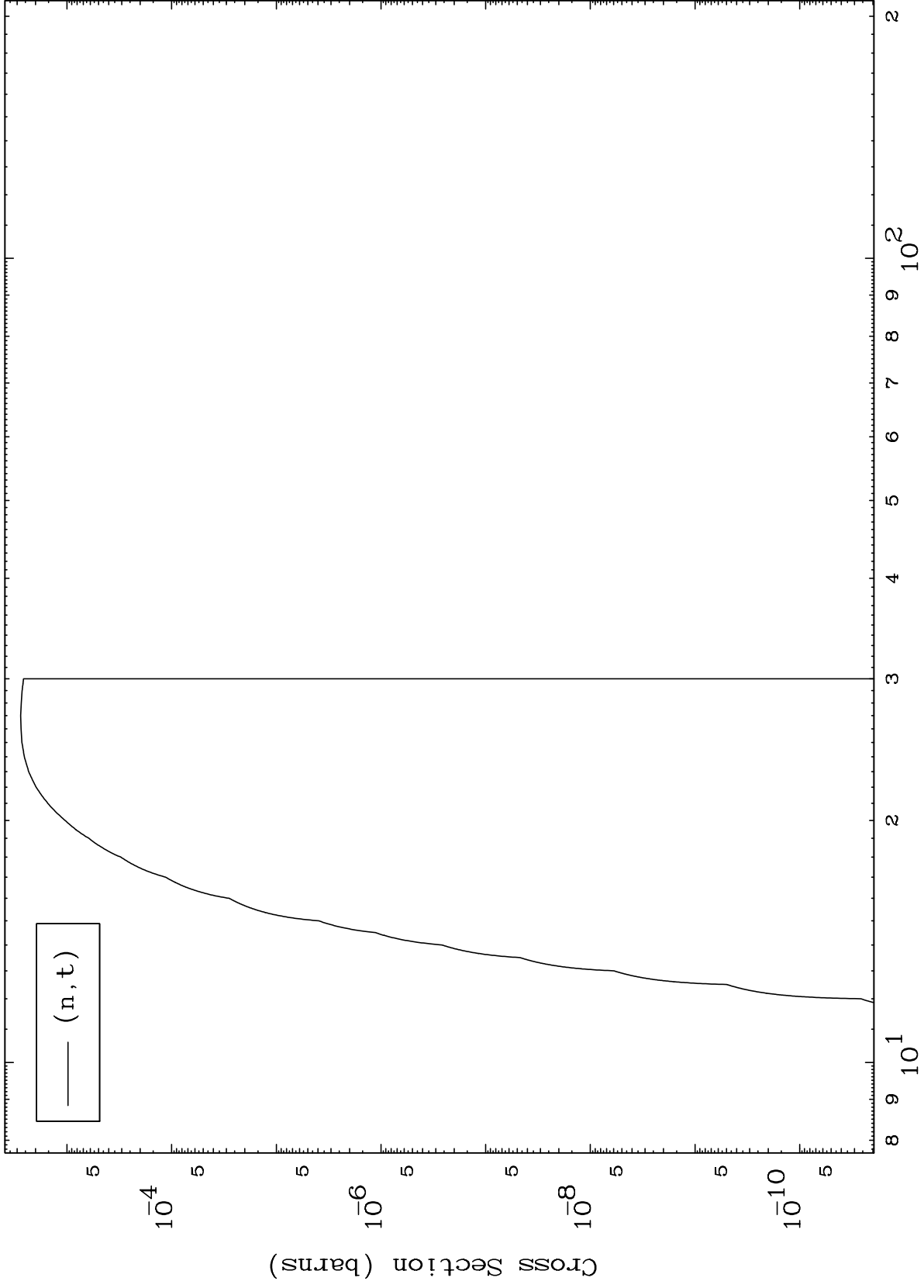
Incident Energy (MeV)

60-Nd-150

MAT 6049

(n,t) Levels  
293 Kelvin Cross Sections

60-Nd-150



14

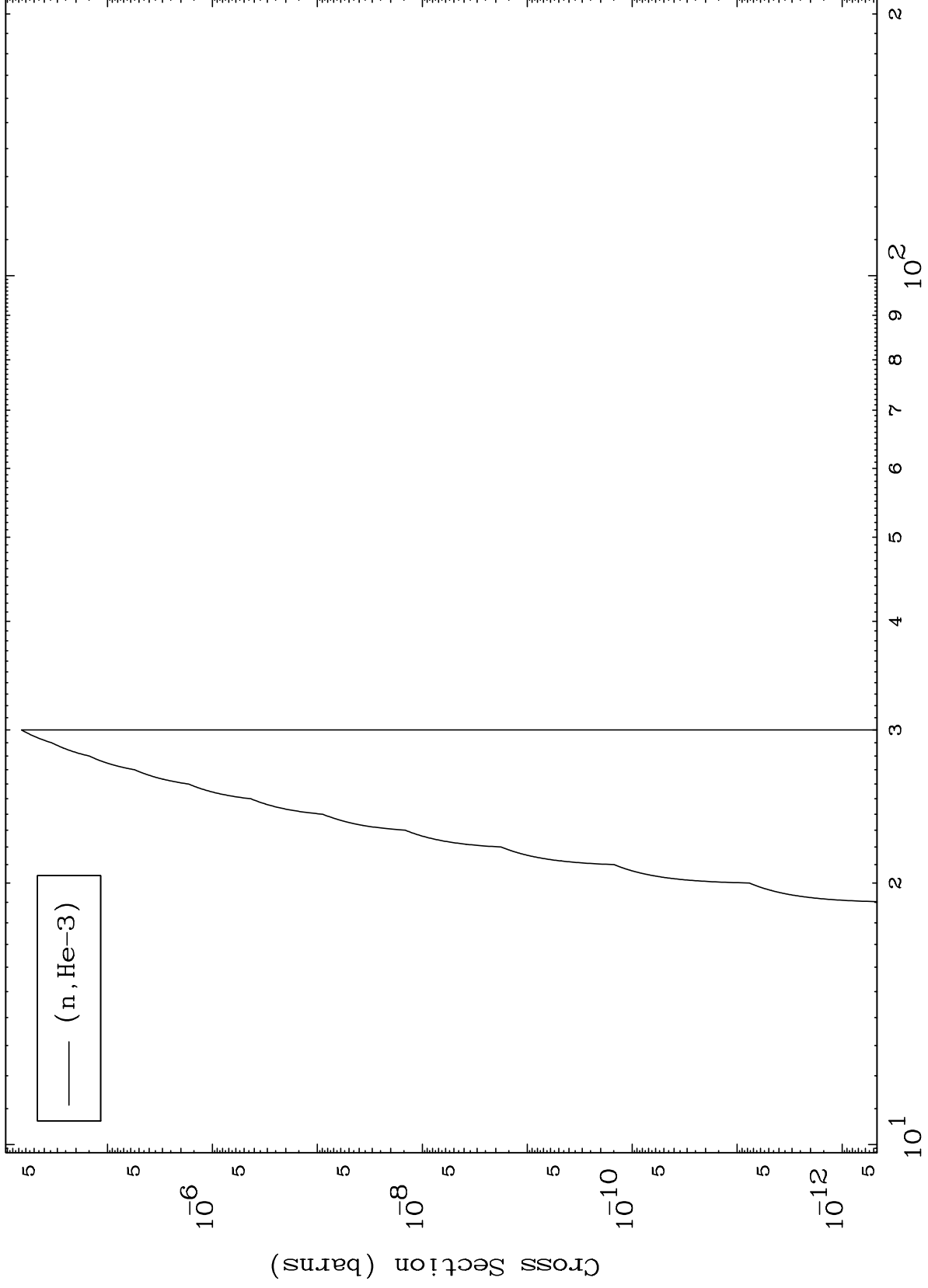
Incident Energy (MeV)

60-Nd-150

MAT 6049

(n,He3) Levels  
293 Kelvin Cross Sections

60-Nd-150



15

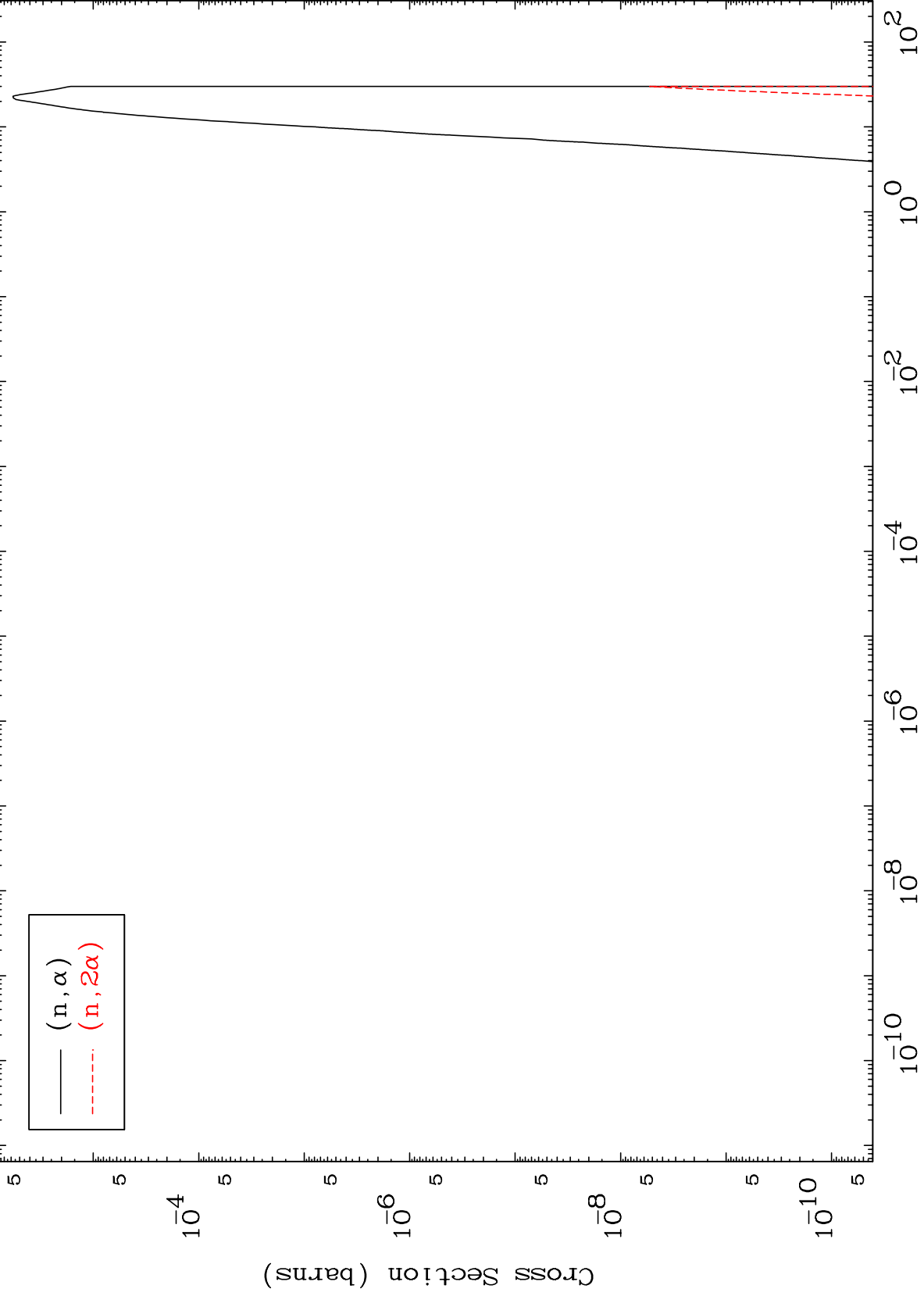
Incident Energy (MeV)

60-Nd-150

MAT 6049

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

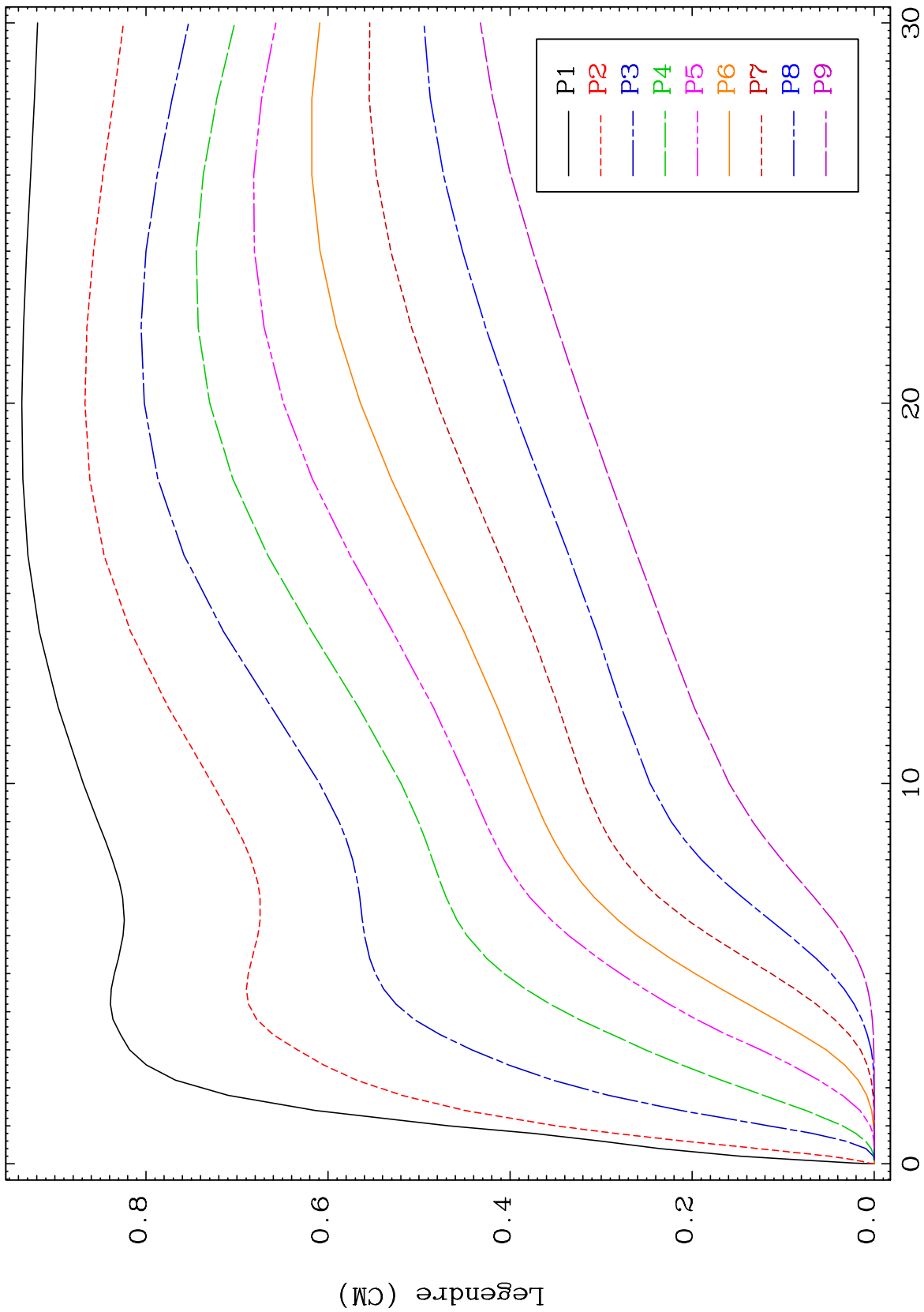
60-Nd-150



MAT 6049

60-Nd-150

Elastic Legendre Coefficients



60-Nd-150

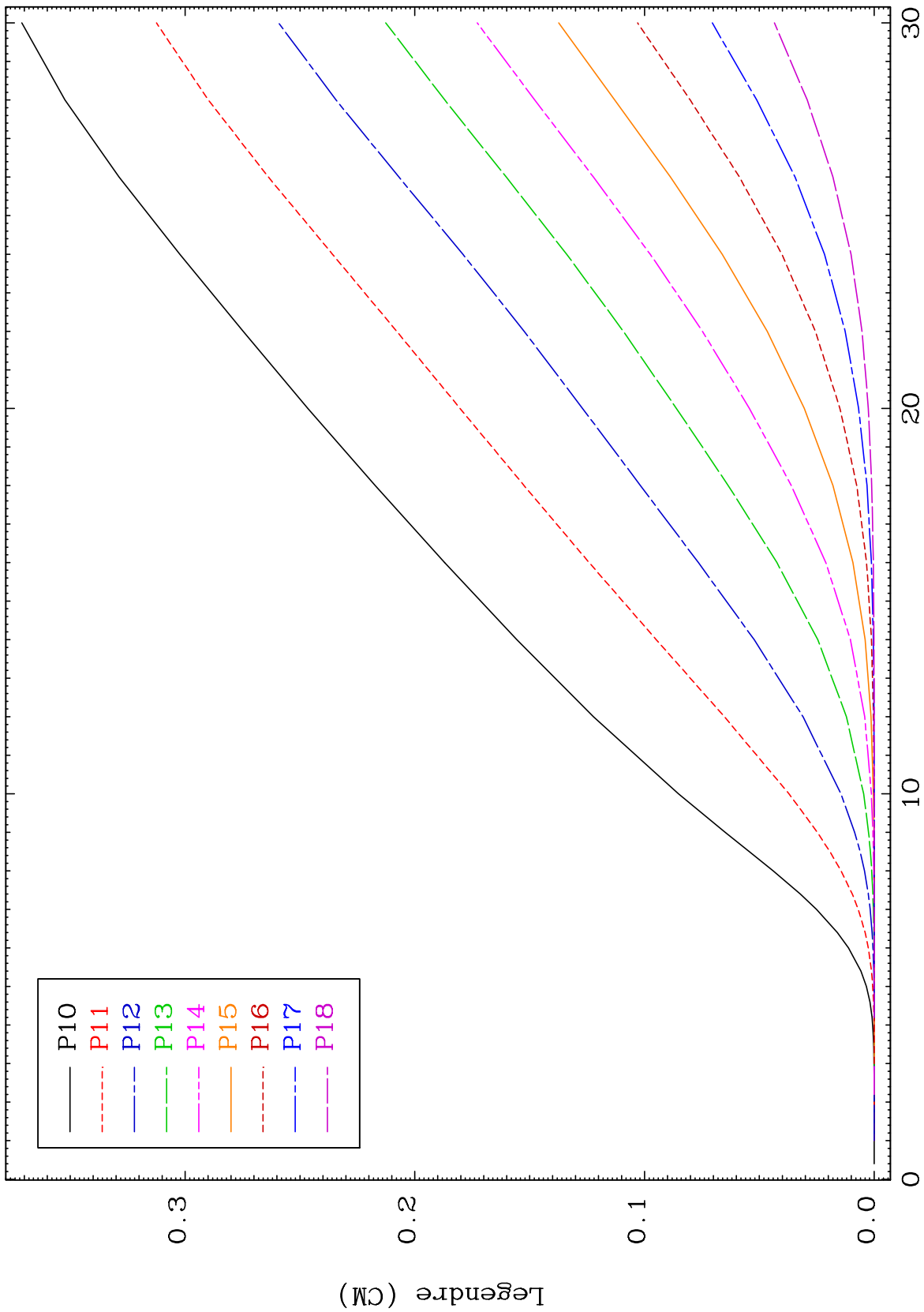
Incident Energy (MeV)

17

MAT 6049

Elastic Legendre Coefficients

60-Nd-150



18

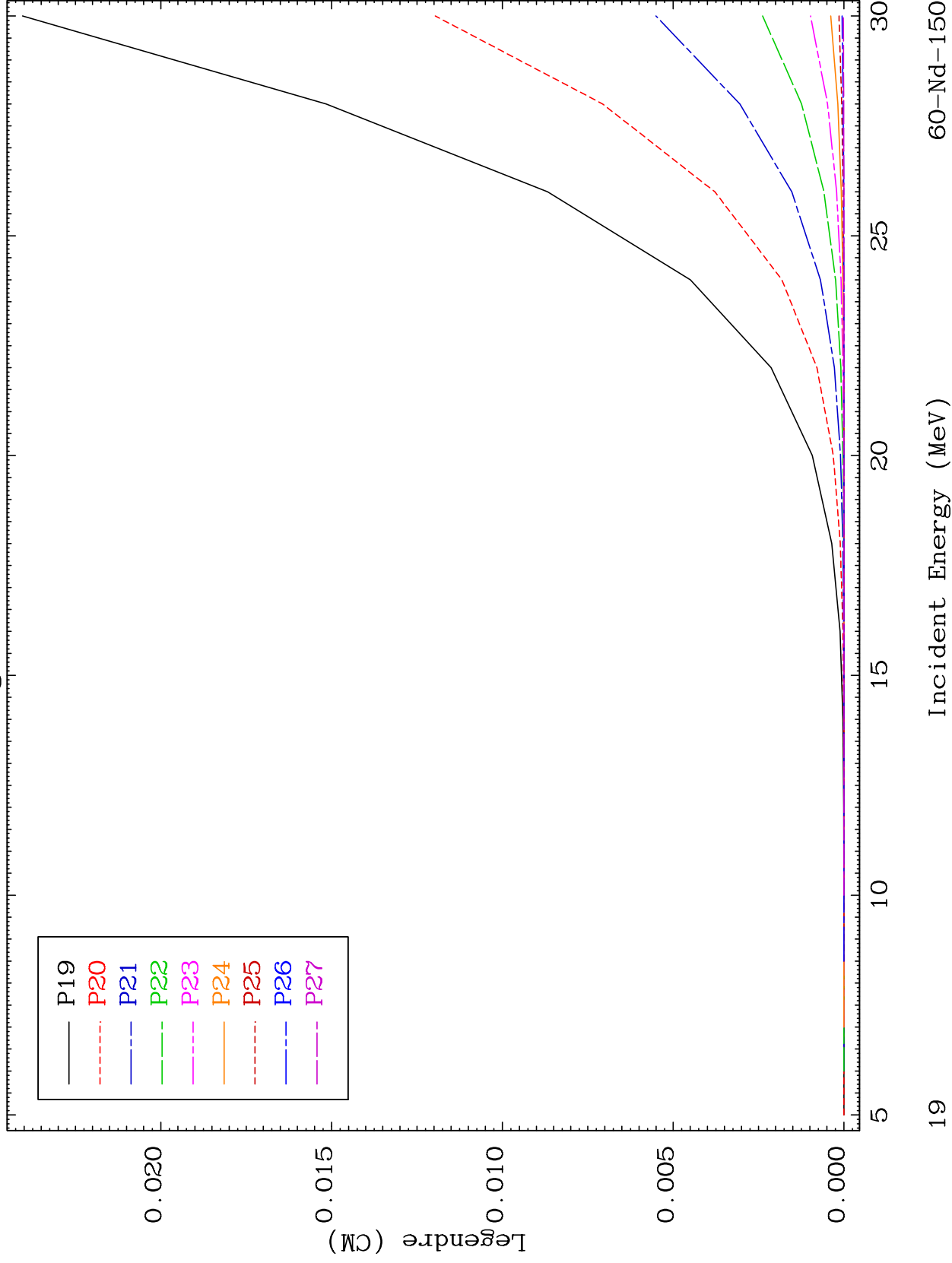
Incident Energy (MeV)

60-Nd-150

MAT 6049

### Elastic Legendre Coefficients

60-Nd-150



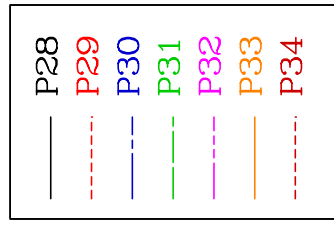
19

60-Nd-150

MAT 6049

Elastic  
Legendre Coefficients

60-Nd-150



$\times 10^{-6}$

Legendre (CM)

4

2

0

15

20

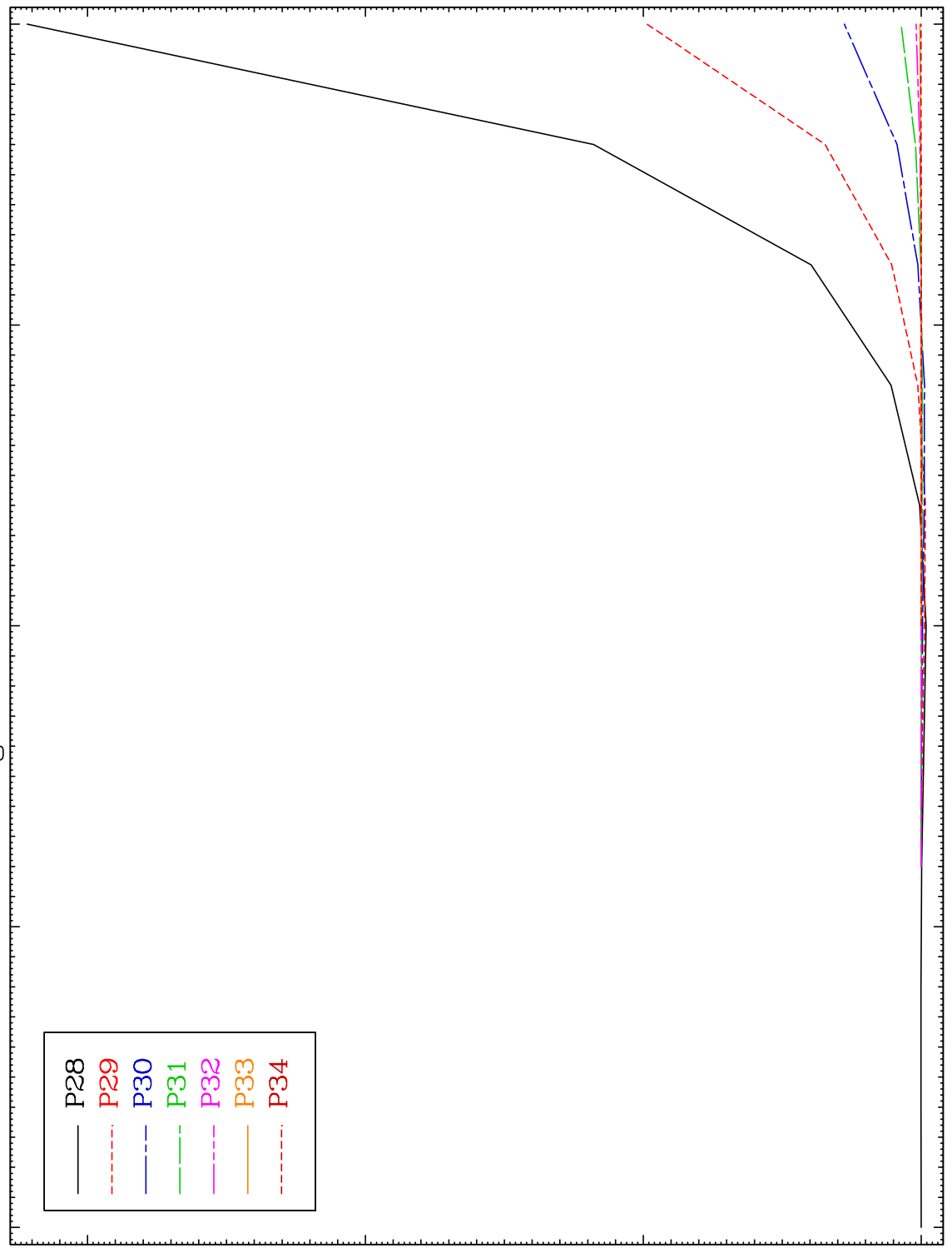
25

30

20

Incident Energy (MeV)

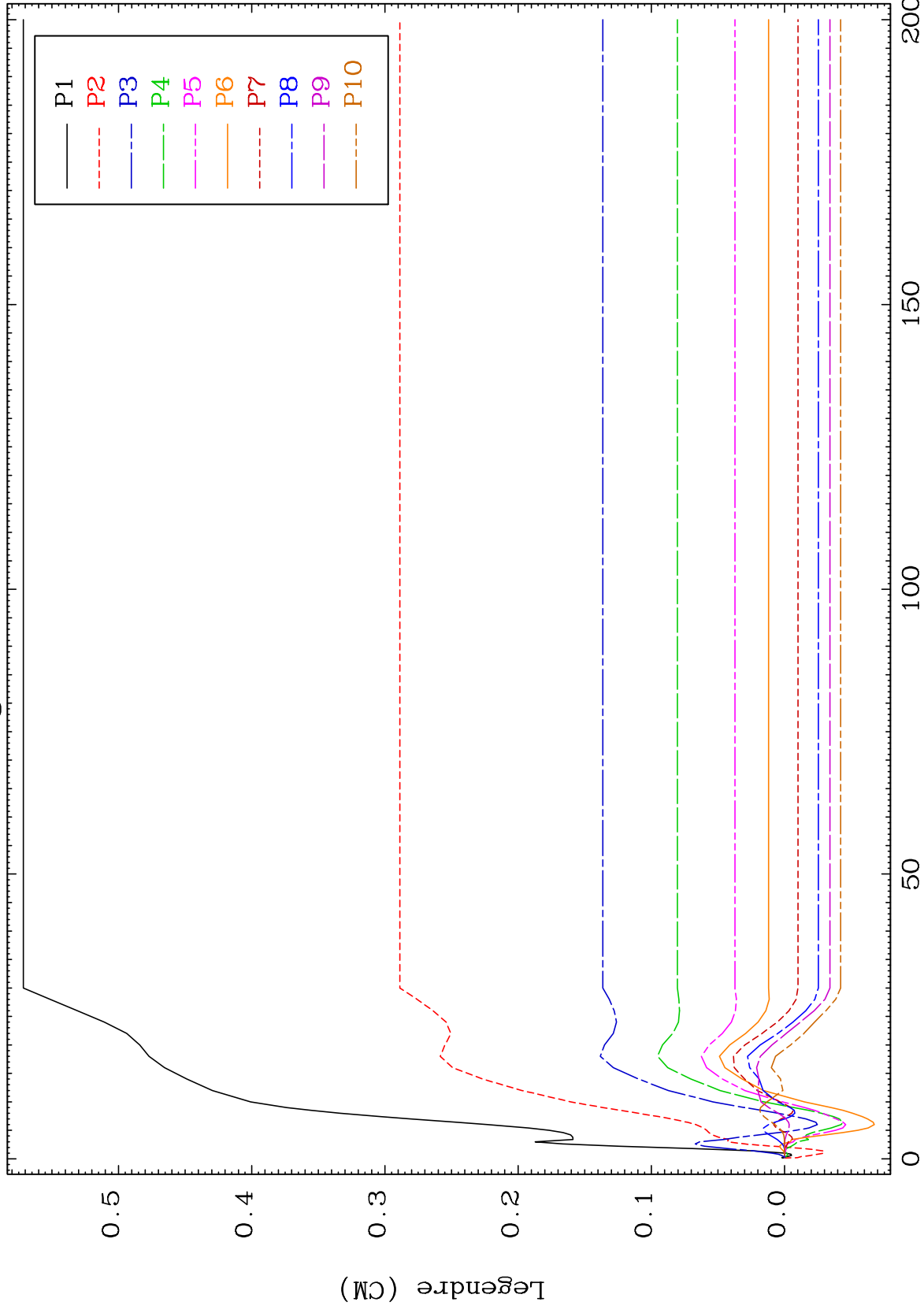
60-Nd-150



MAT 6049

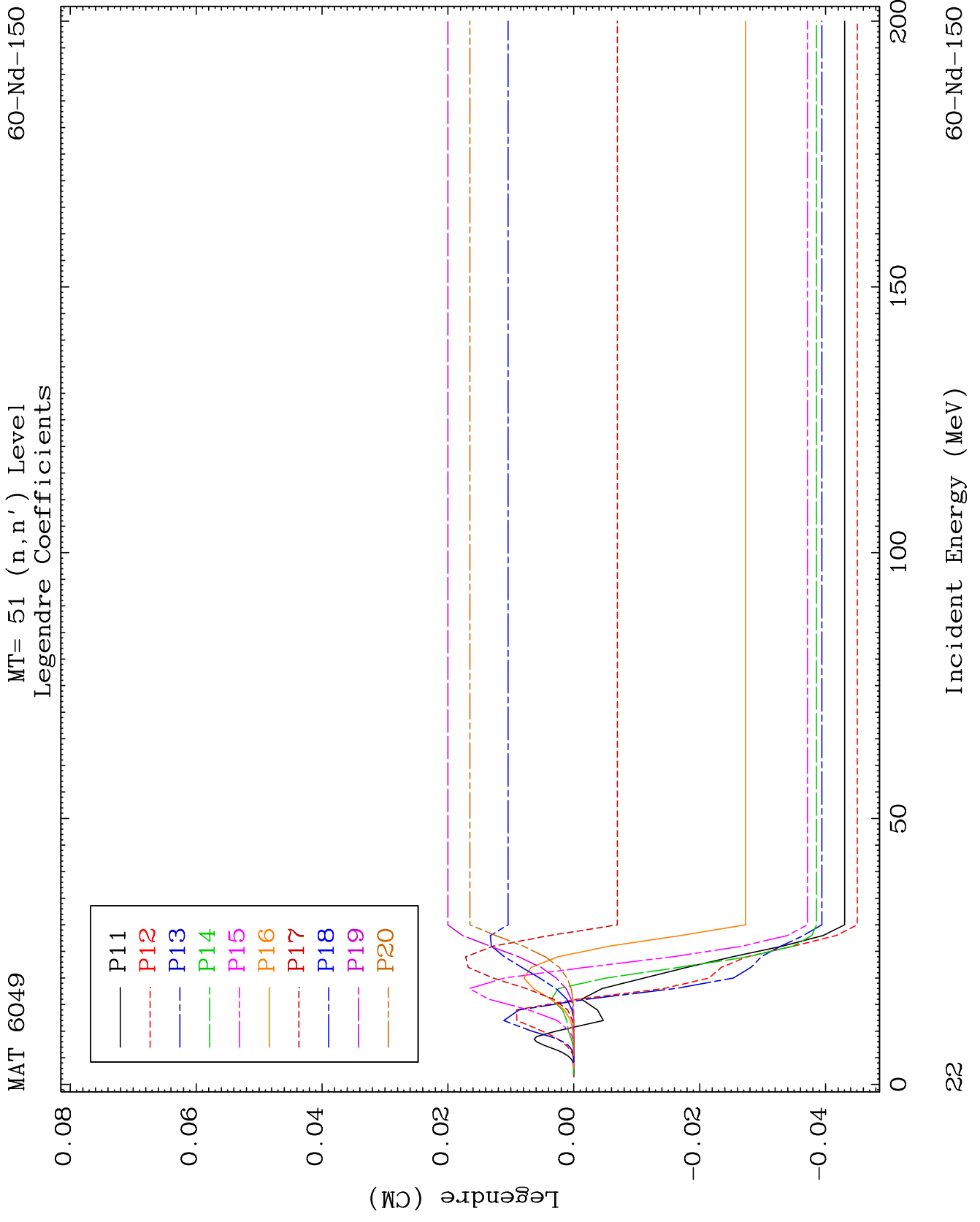
MT= 51 (n,n') Level  
Legendre Coefficients

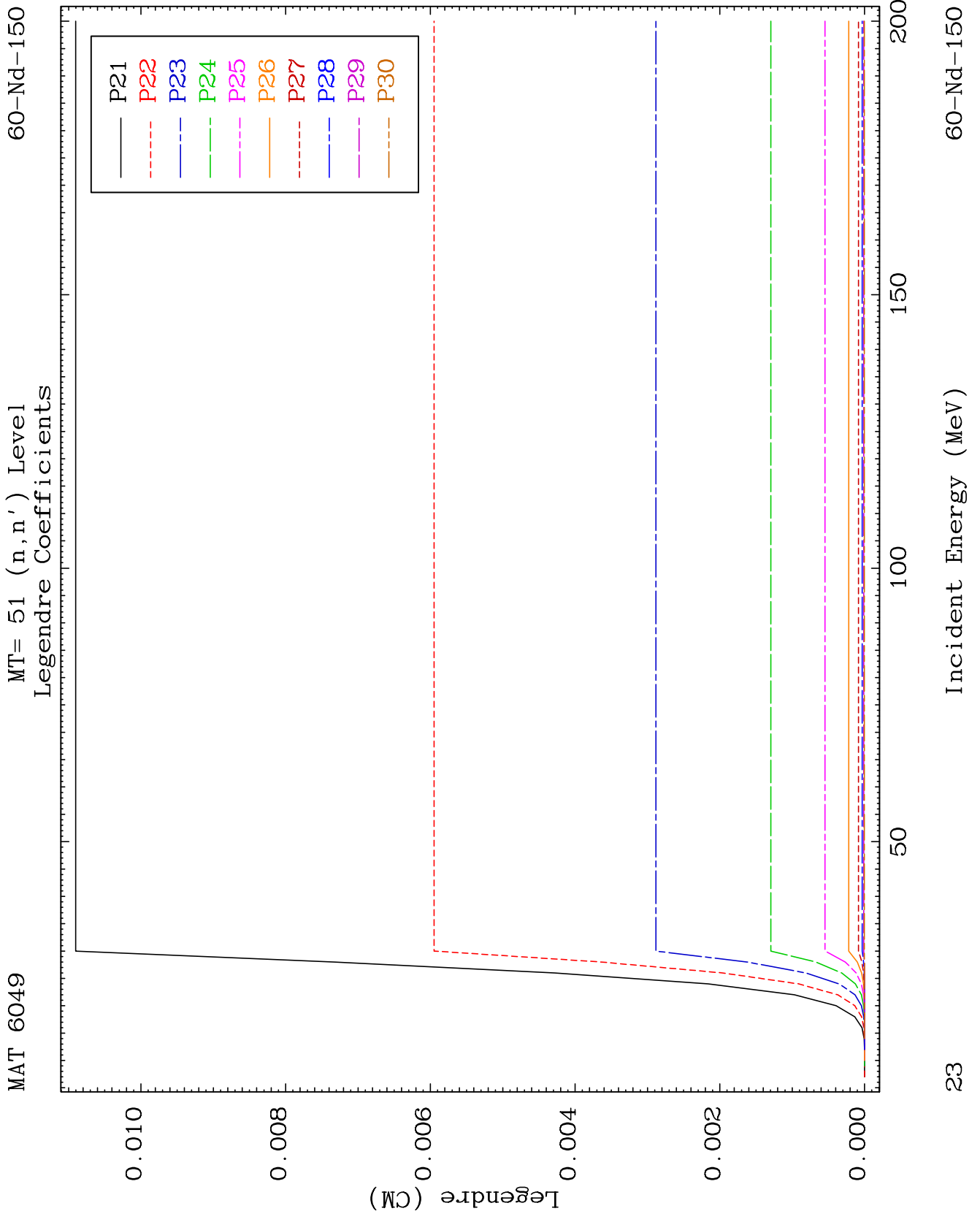
60-Nd-150

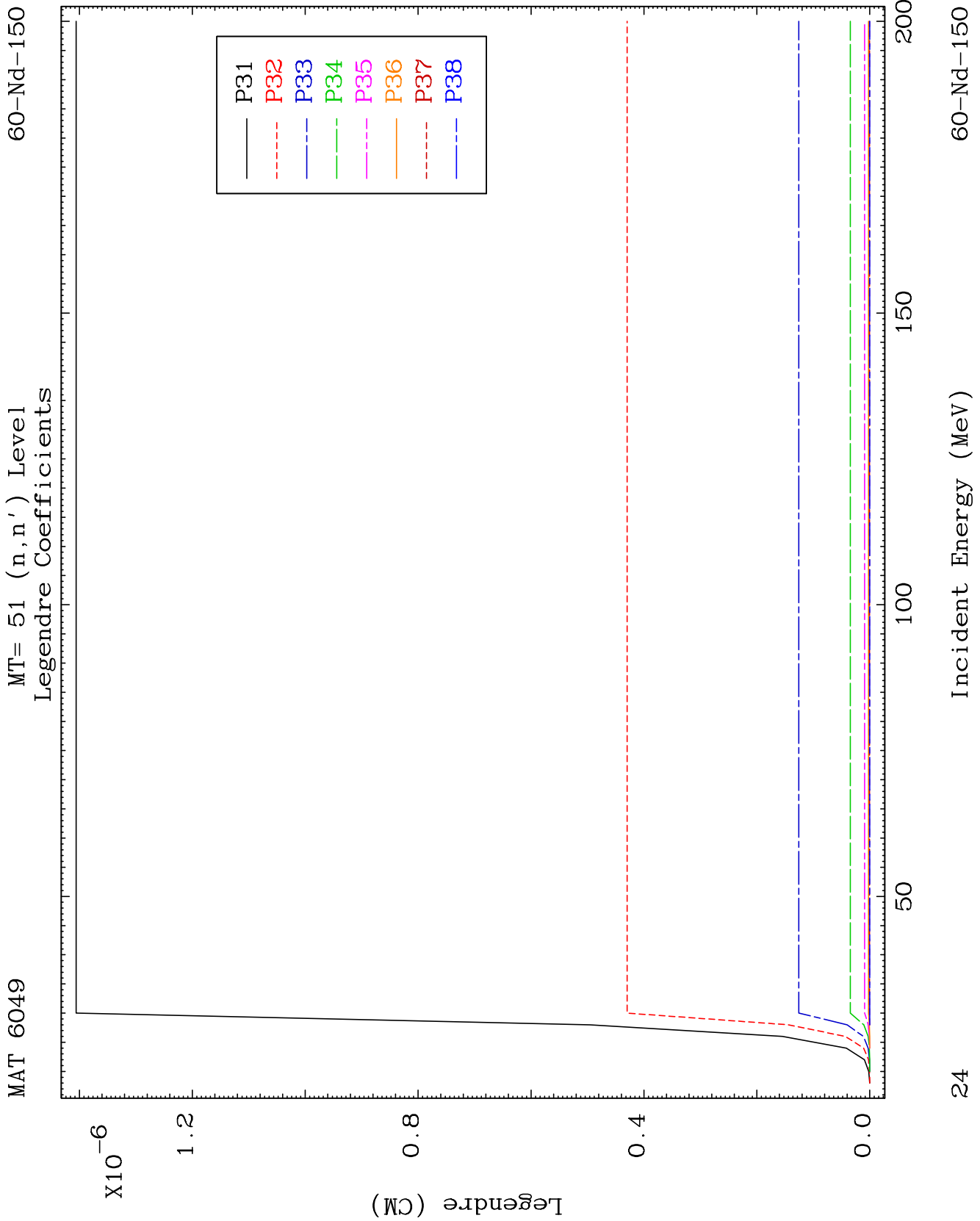


21

60-Nd-150





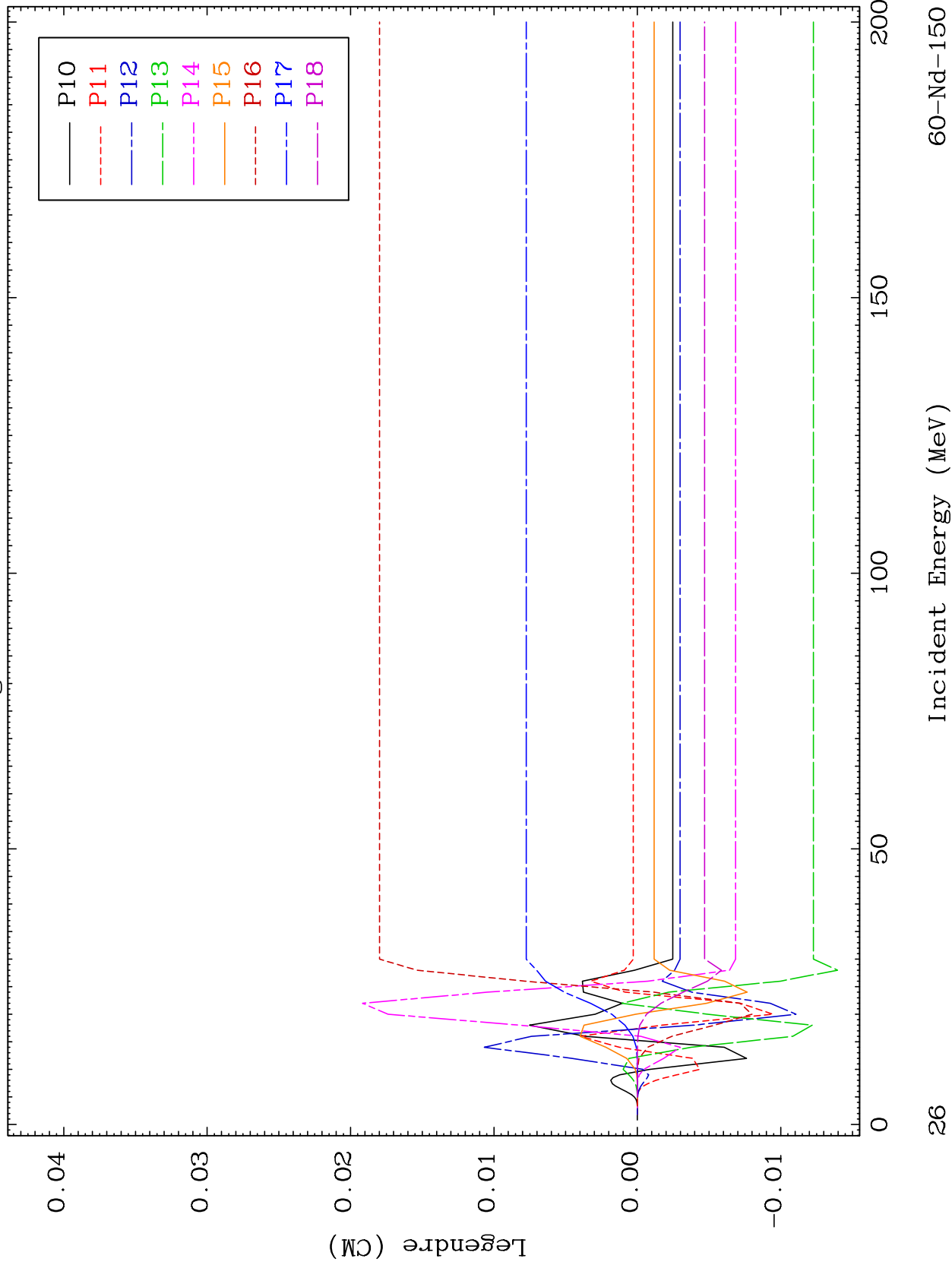




MAT 6049

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

60-Nd-150



26

Incident Energy (MeV)

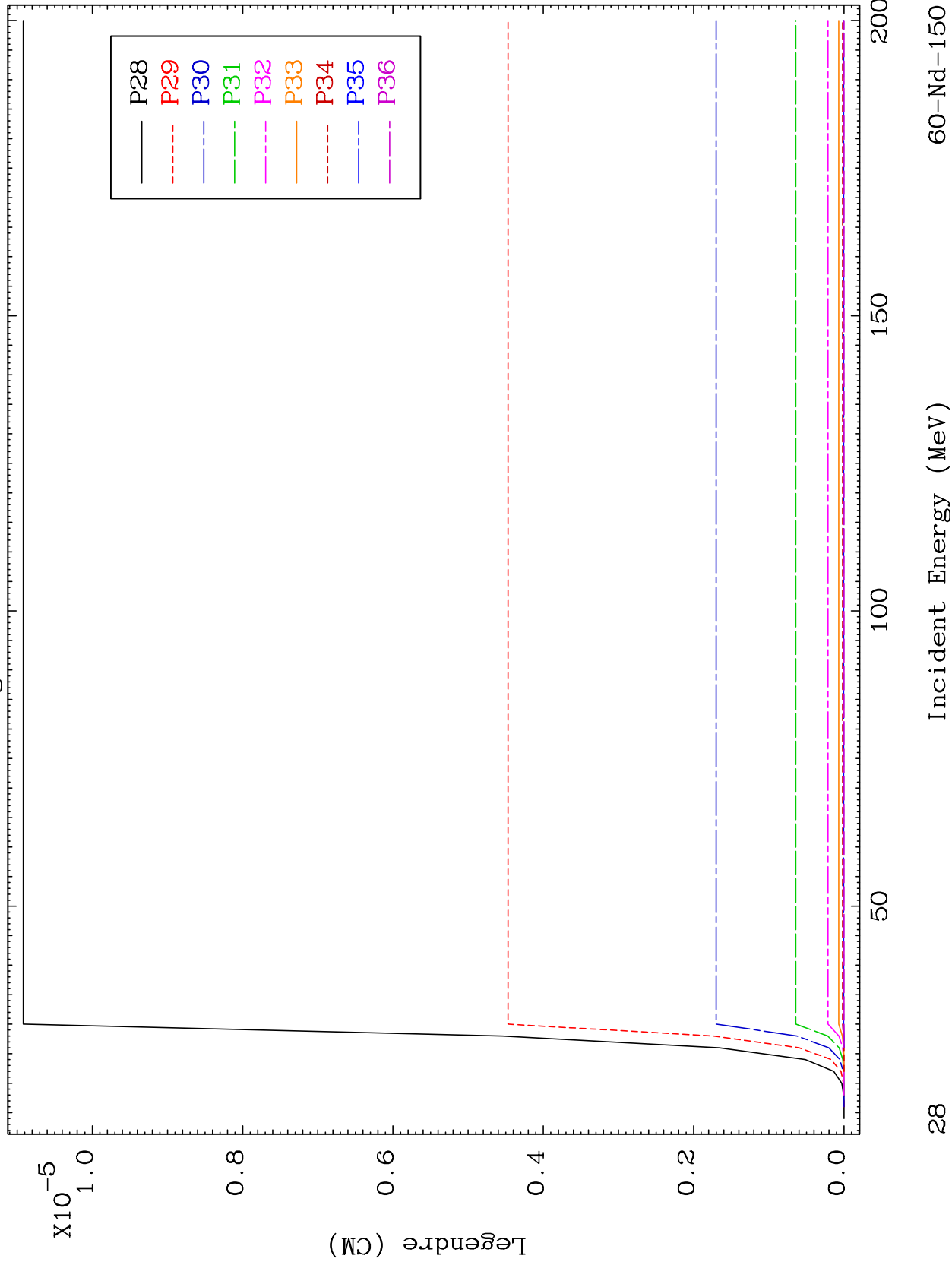
60-Nd-150



MAT 6049

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

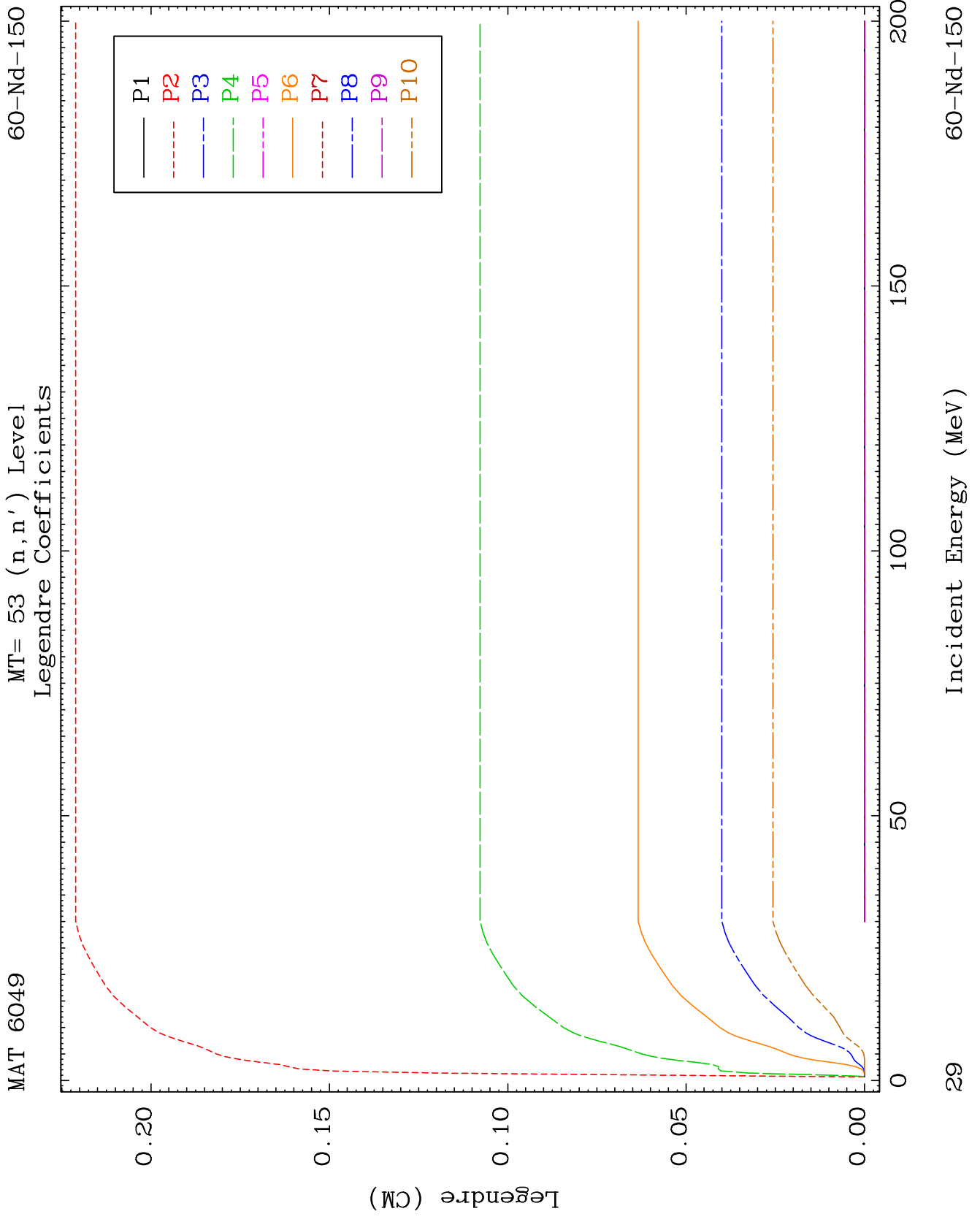
60-Nd-150



28

Incident Energy (MeV)

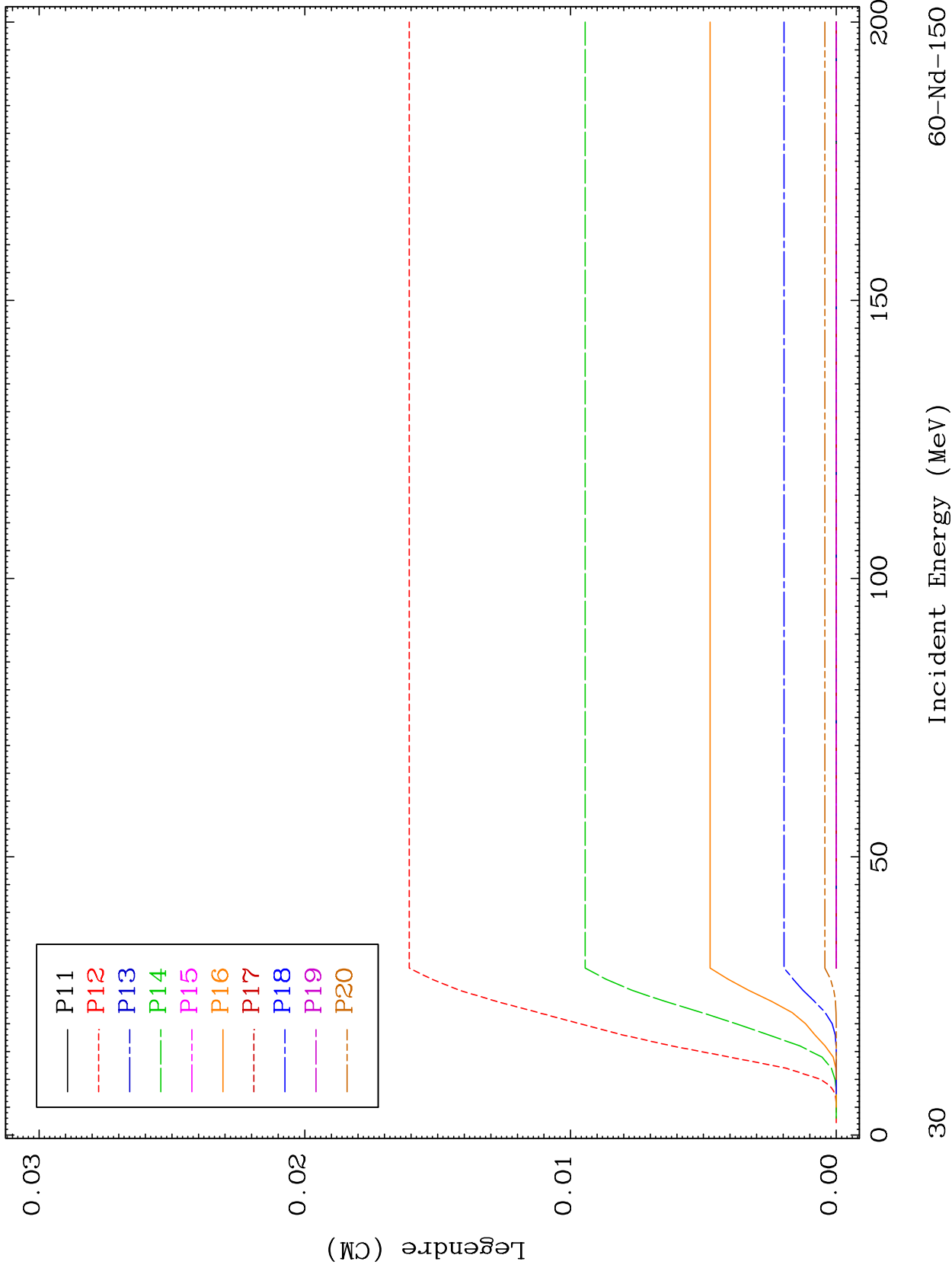
60-Nd-150

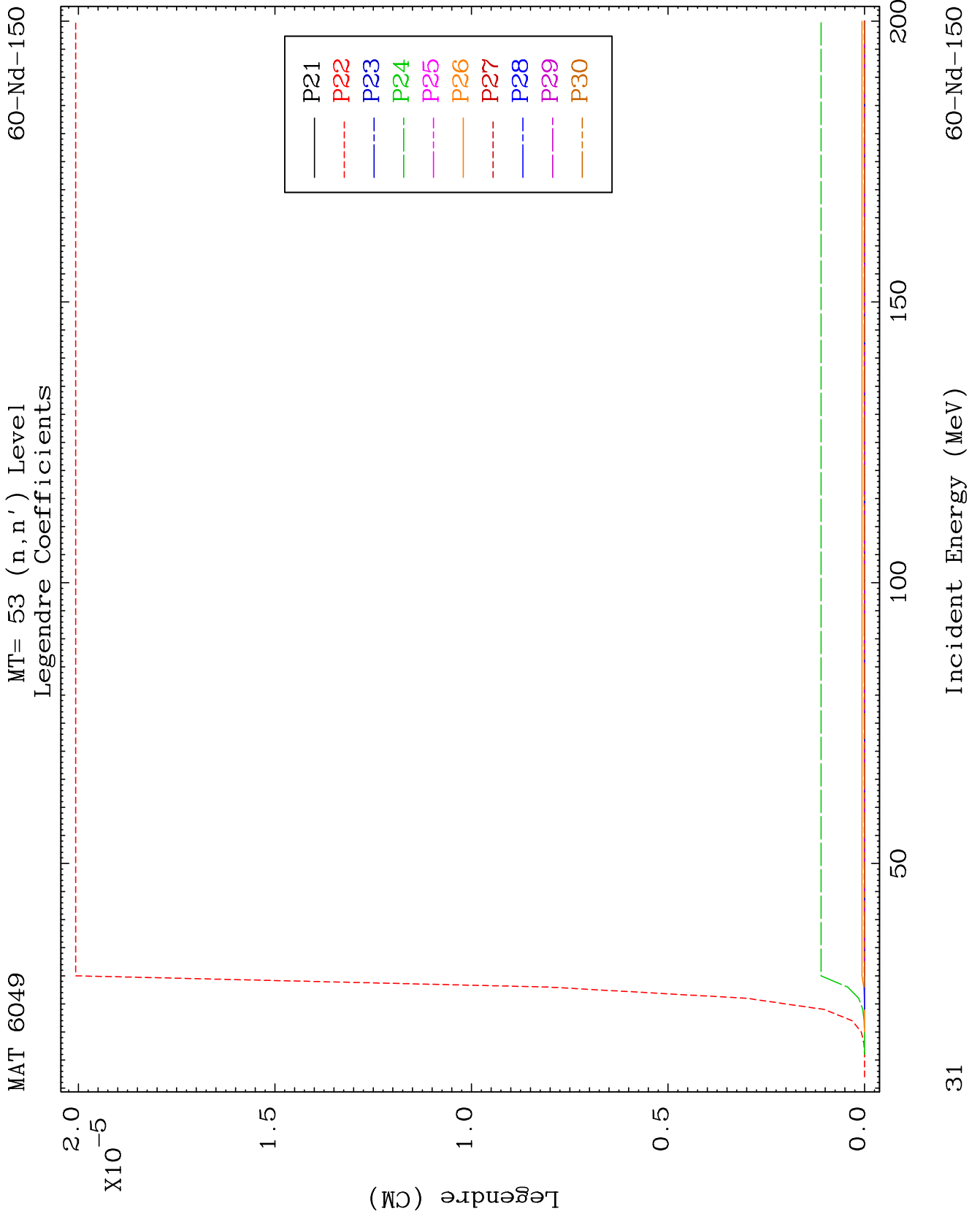


MAT 6049

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

60-Nd-150

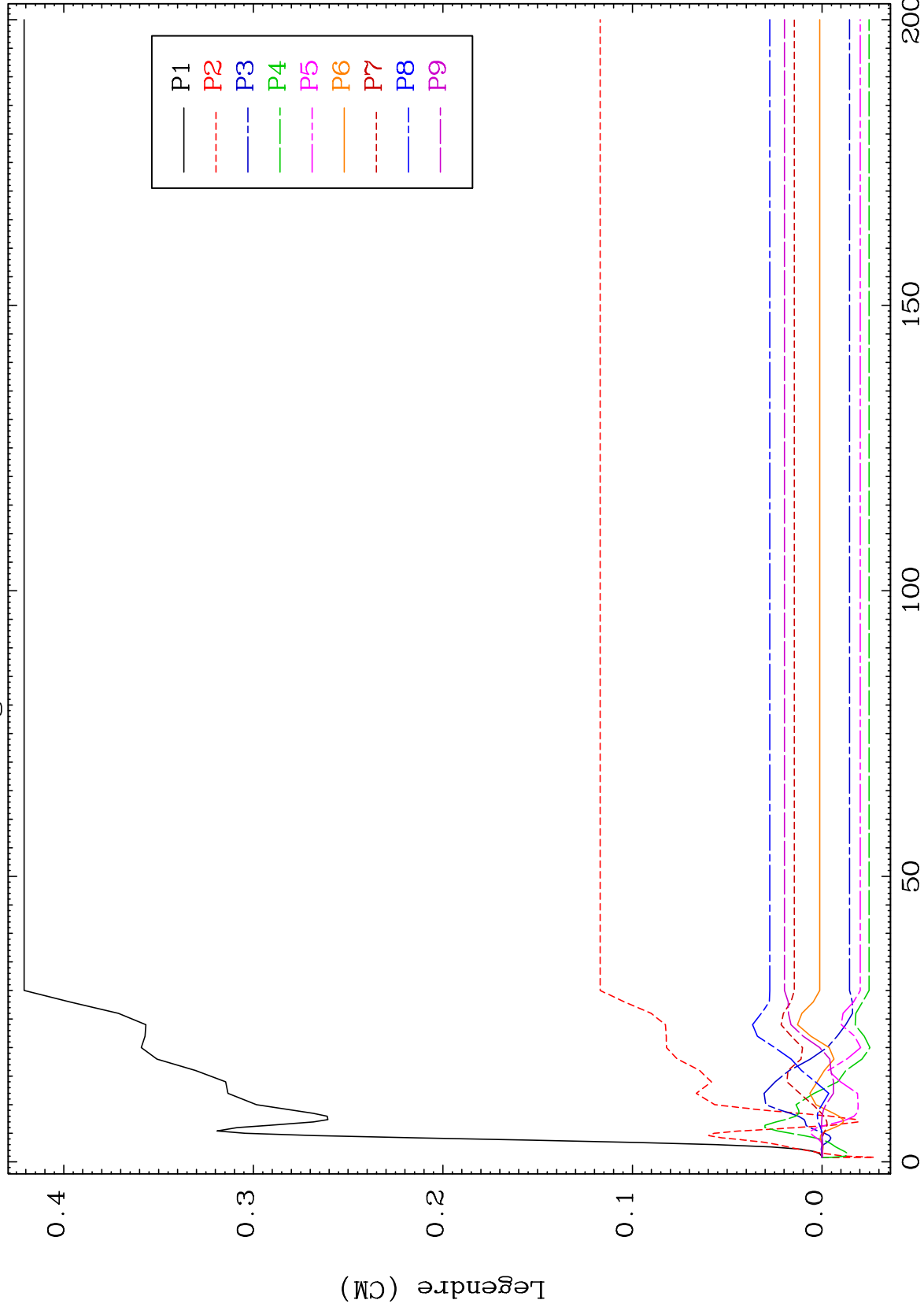




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MT= 54 (n,n') Level  
Legendre Coefficients

60-Nd-150



32

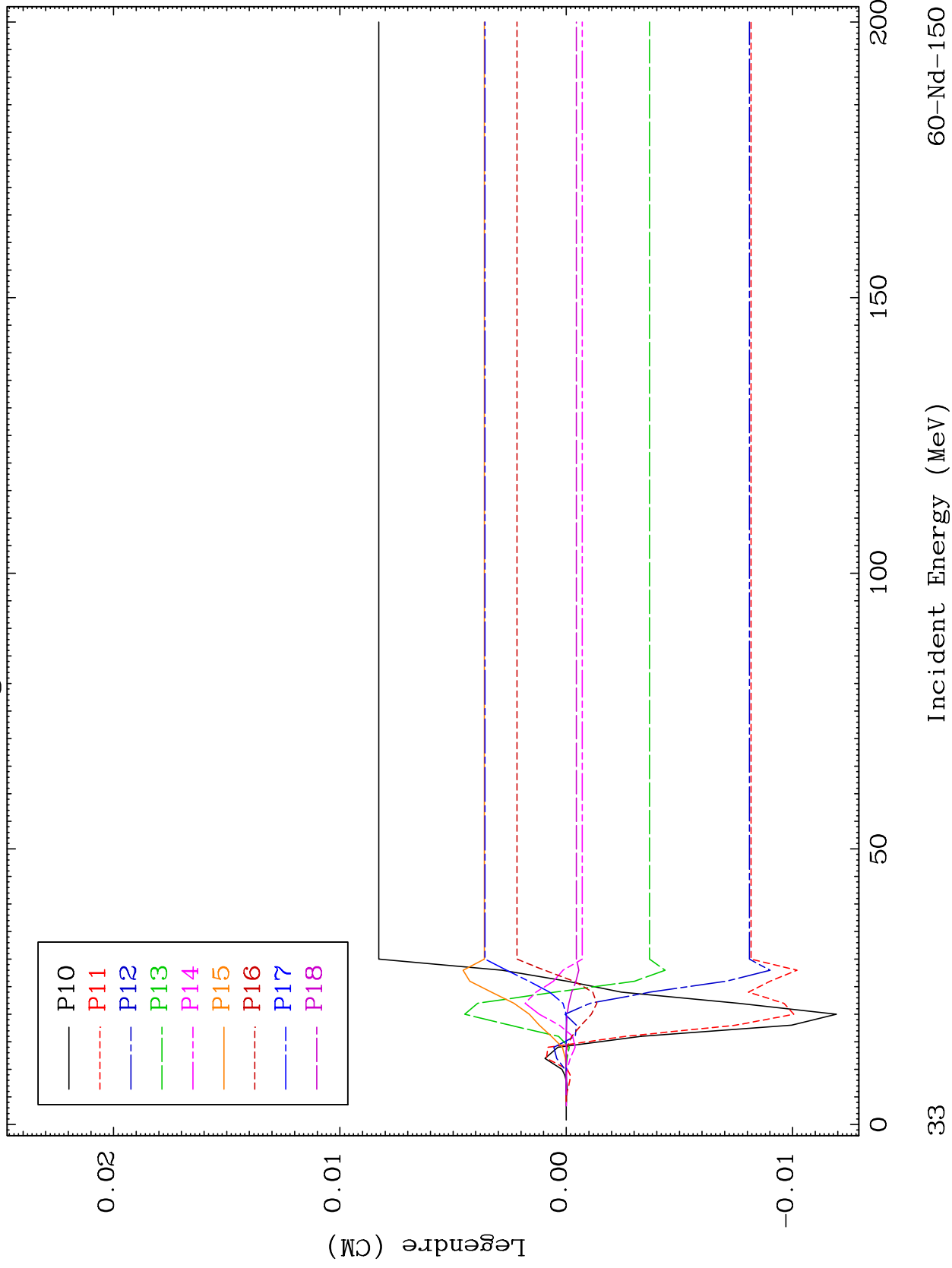
Incident Energy (MeV)

60-Nd-150

MAT 6049

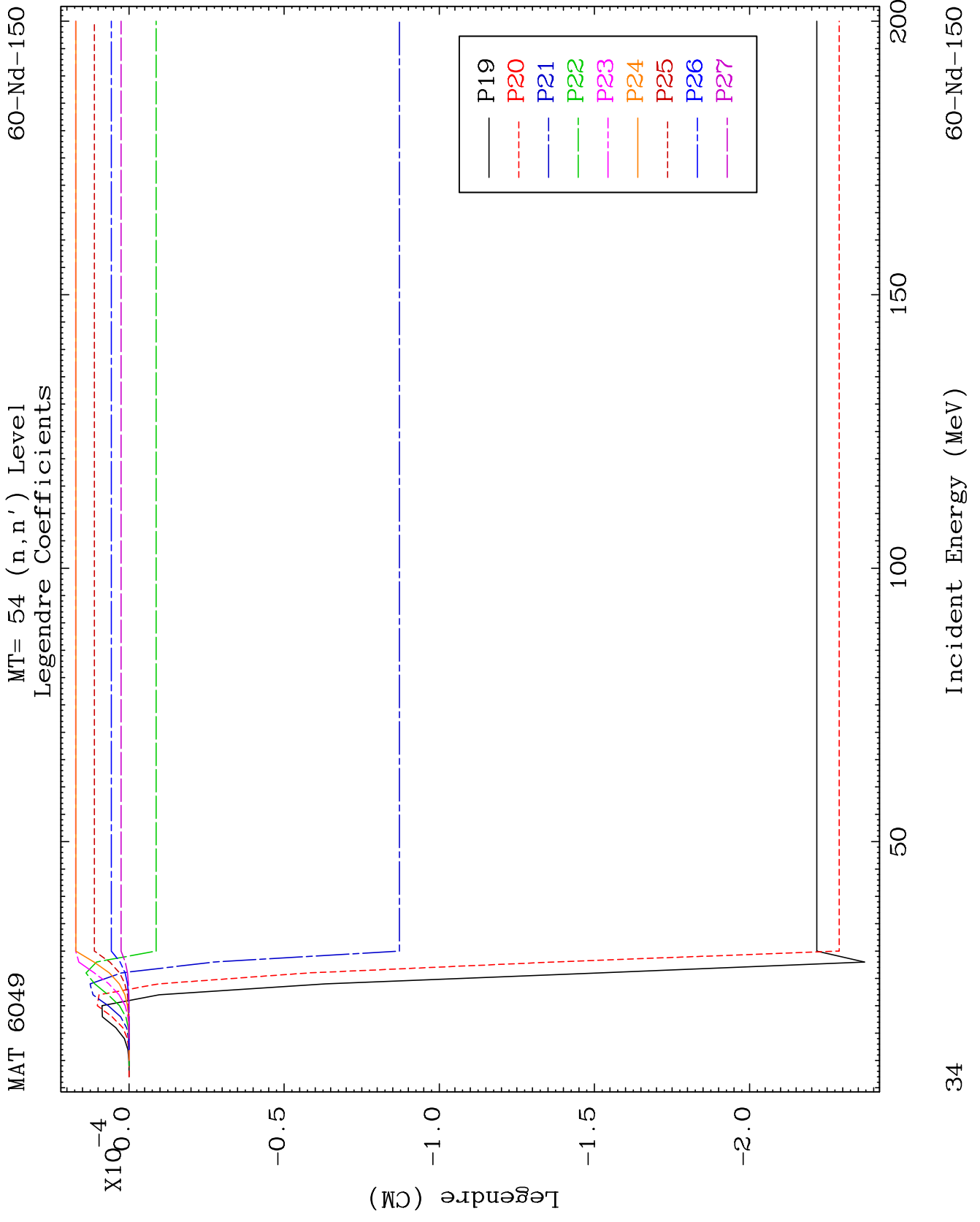
MT= 54 (n,n') Level  
Legendre Coefficients

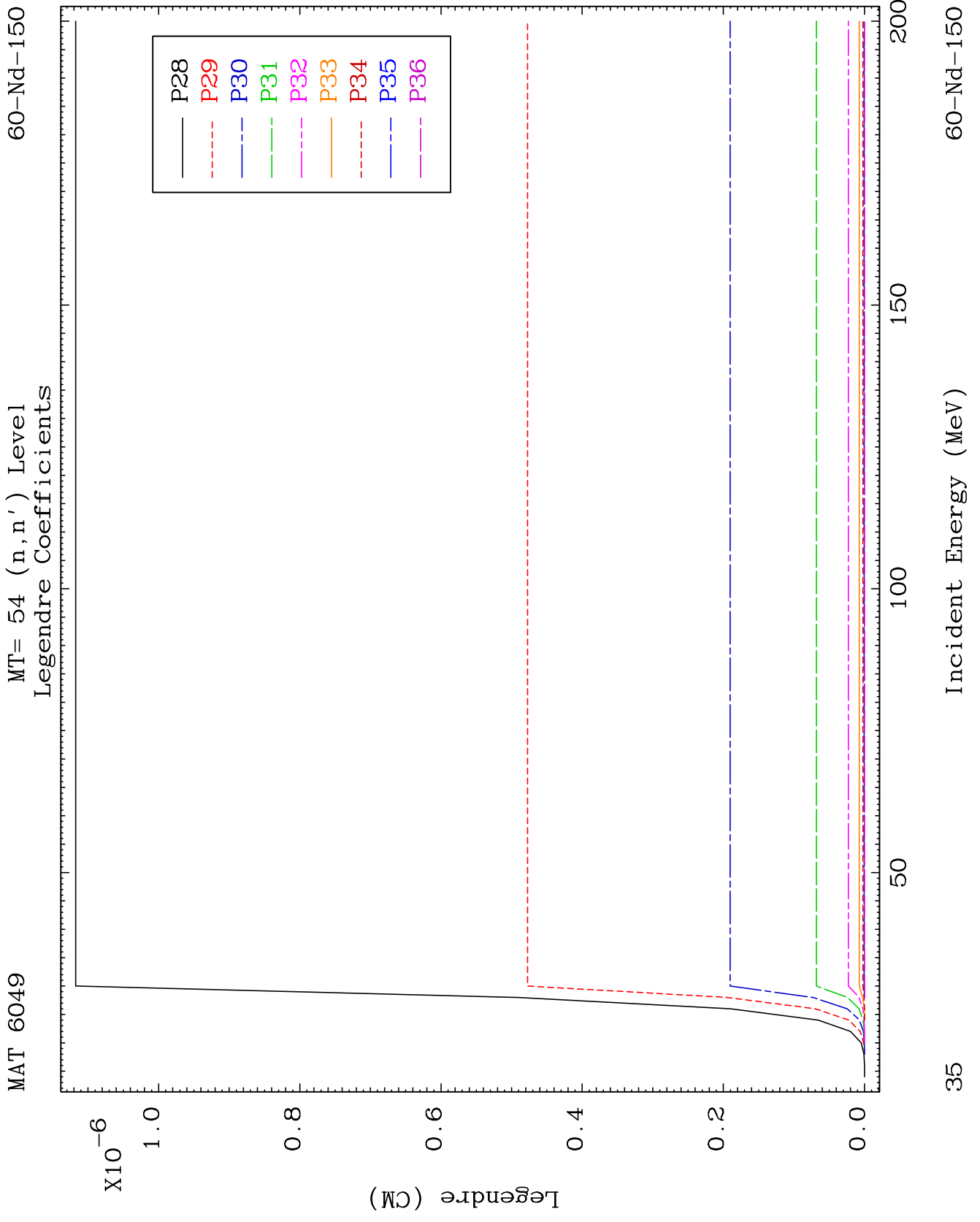
60-Nd-150

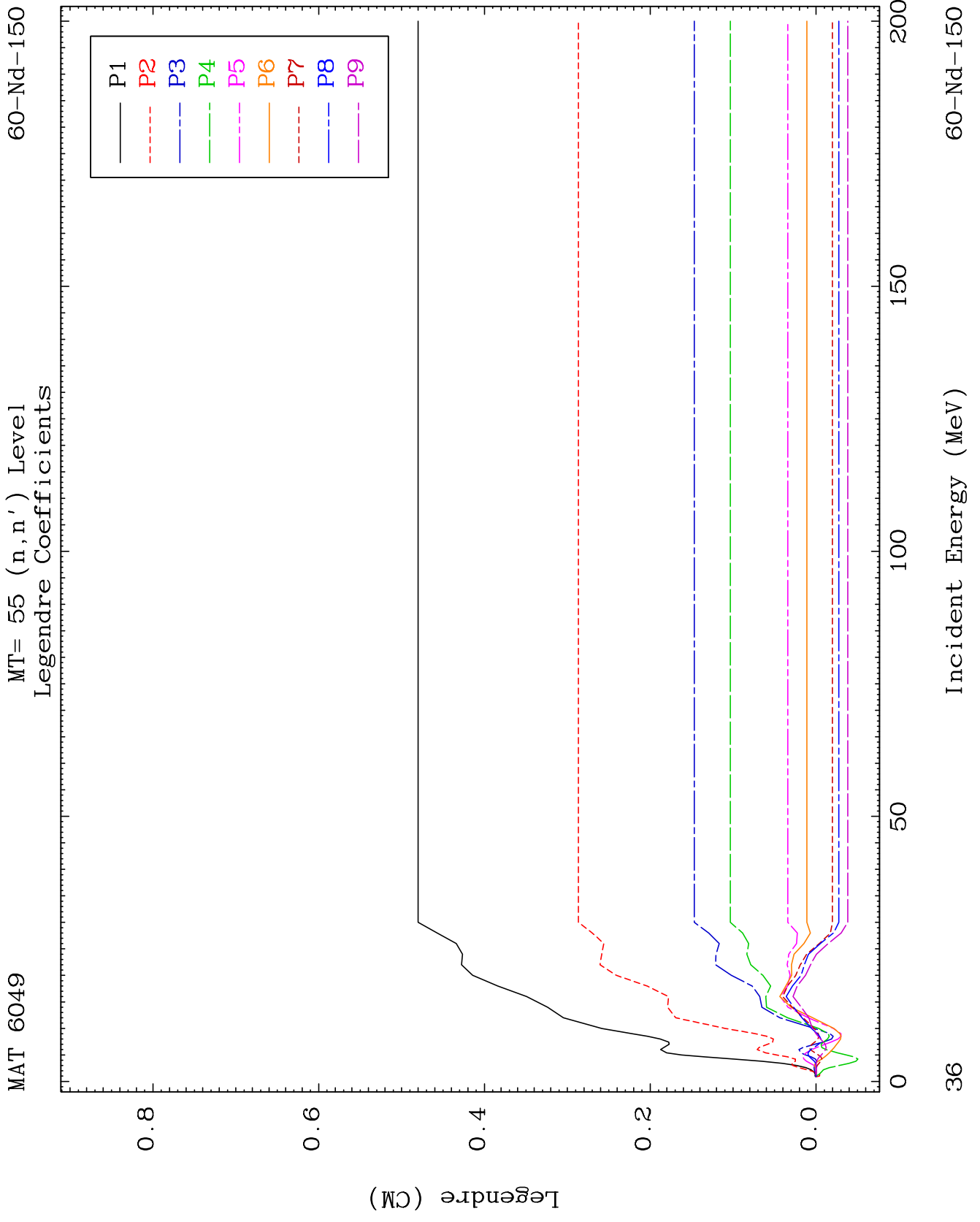


33

60-Nd-150



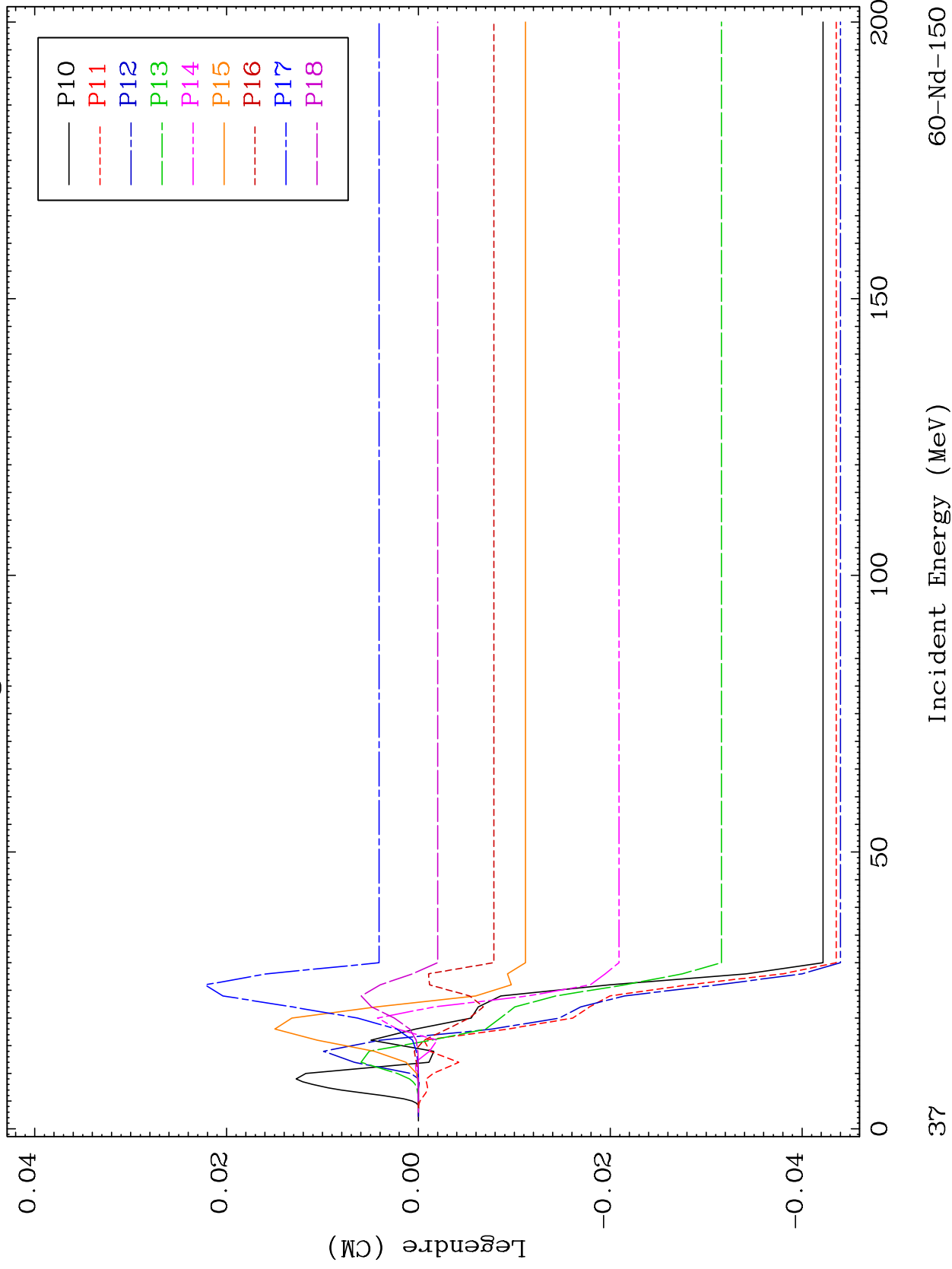




MAT 6049

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

60-Nd-150



37

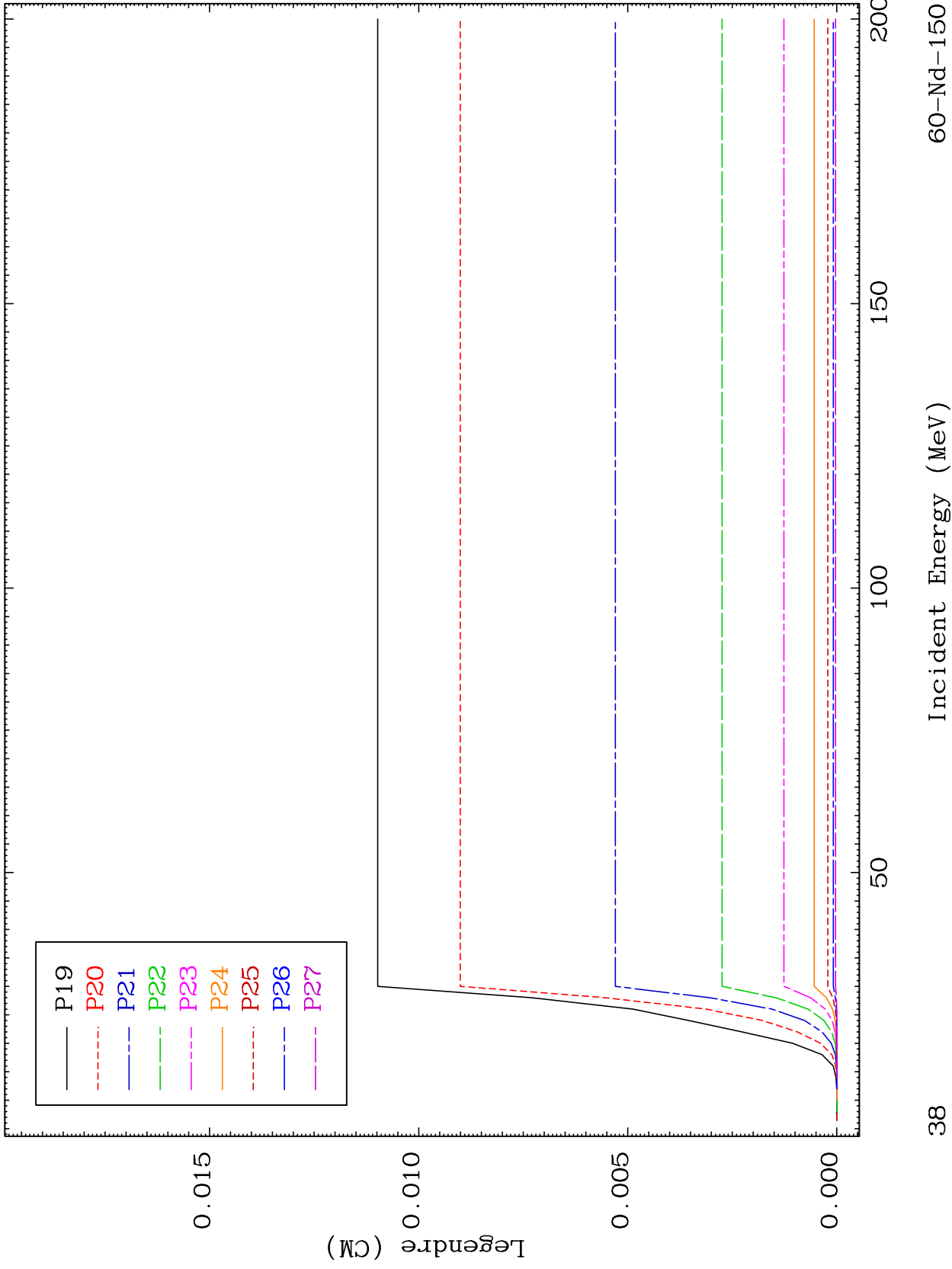
Incident Energy (MeV)

60-Nd-150

MAT 6049

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

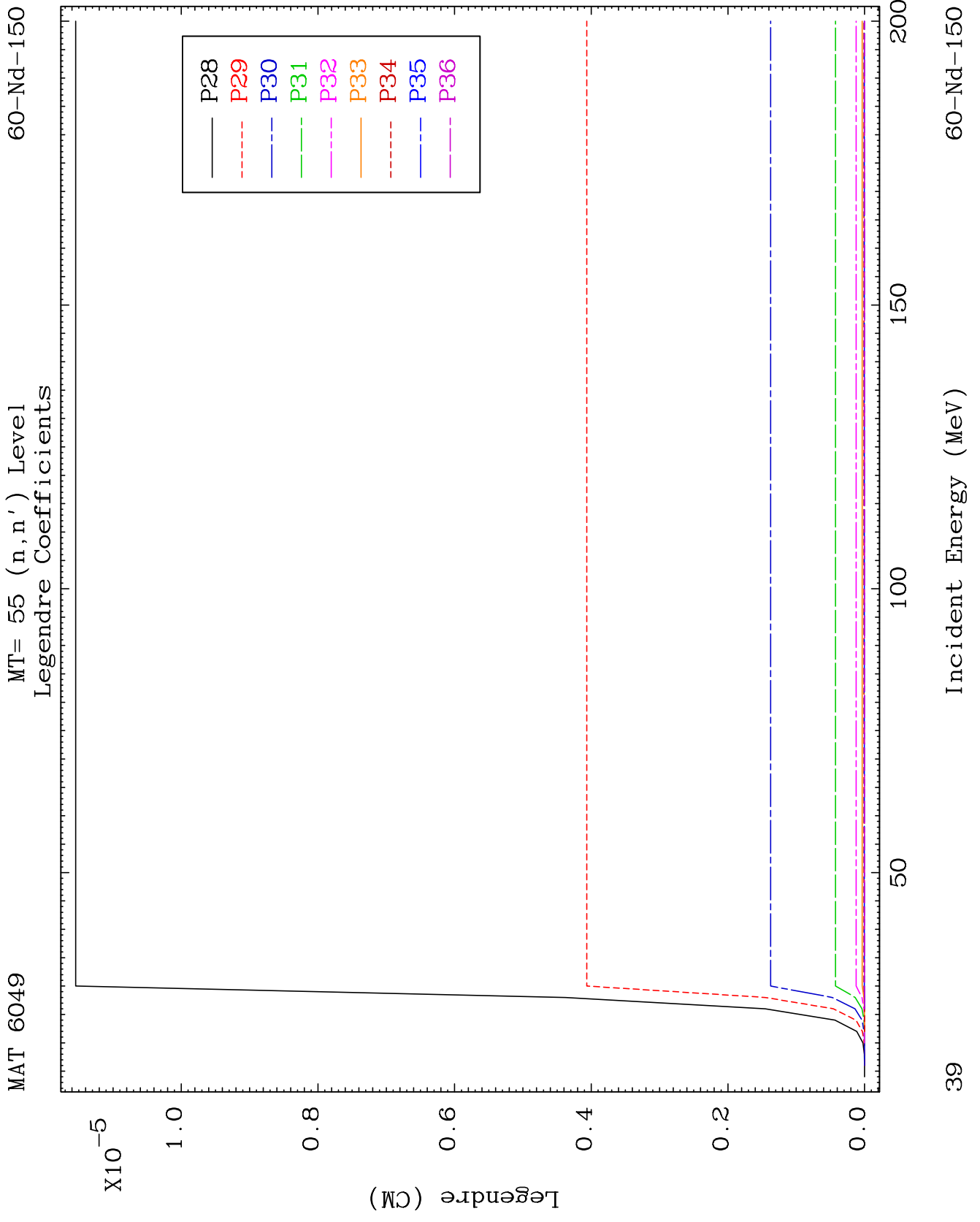
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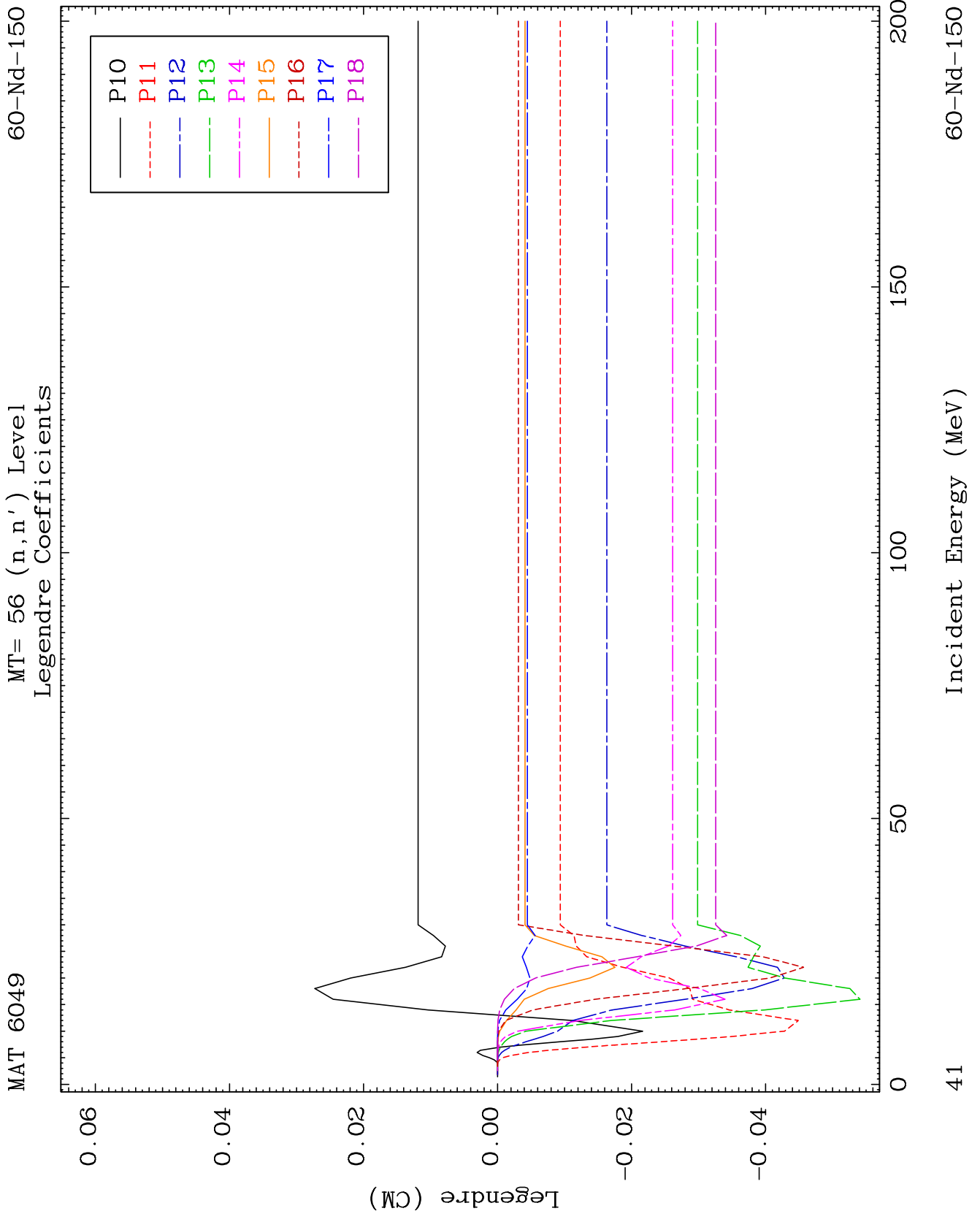
38

Incident Energy (MeV)

60-Nd-150



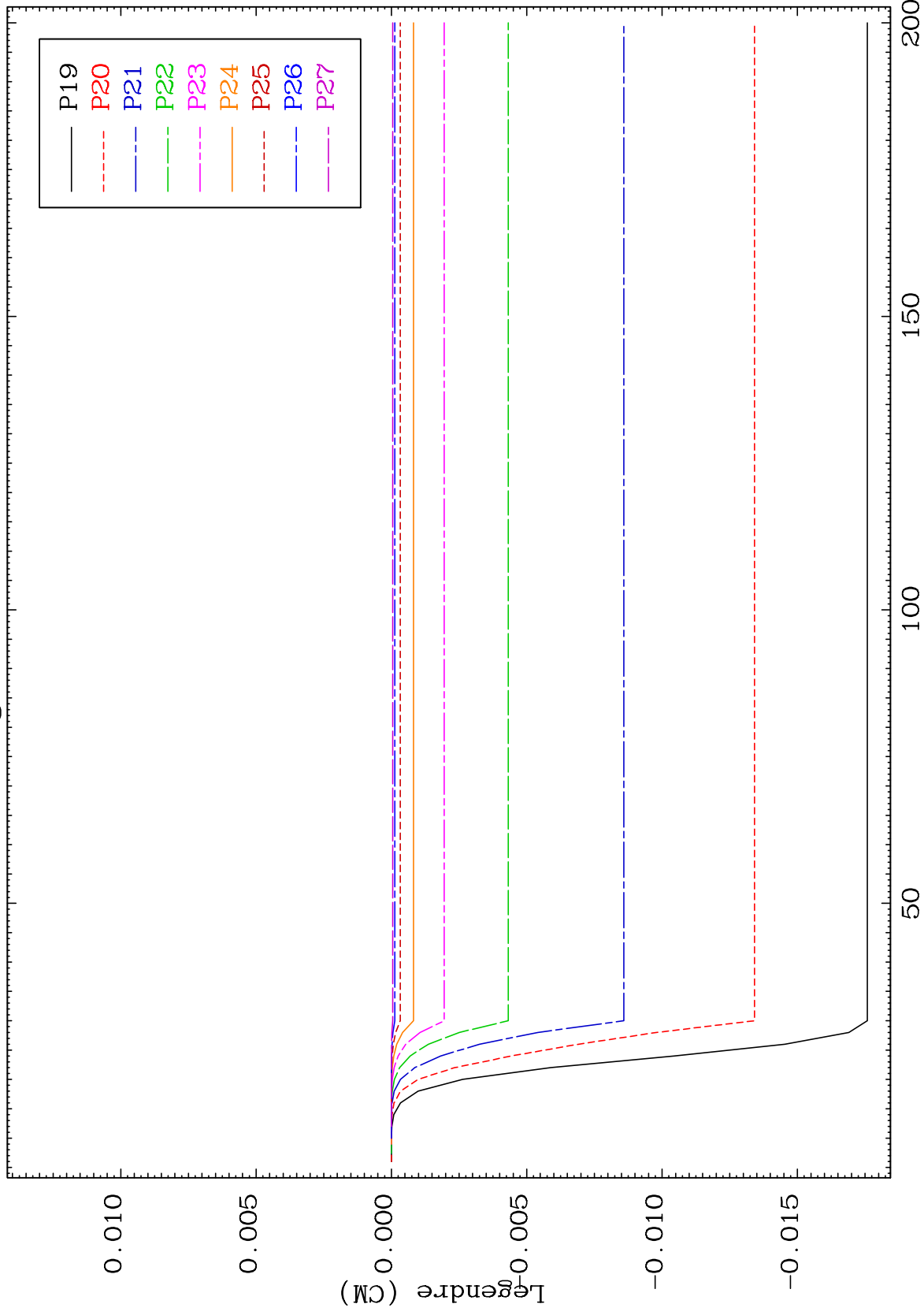




MAT 6049

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

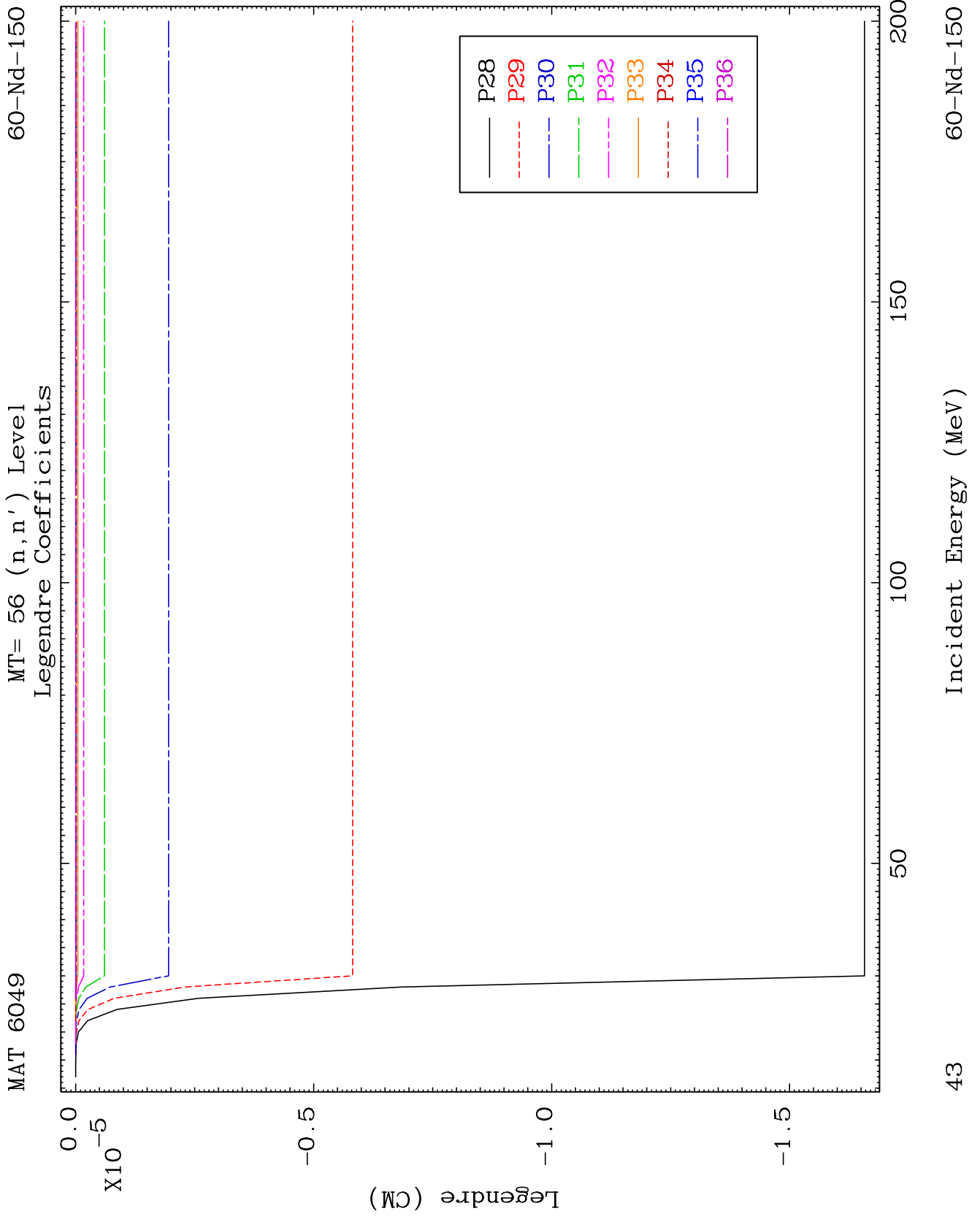
60-Nd-150



42

Incident Energy (MeV)

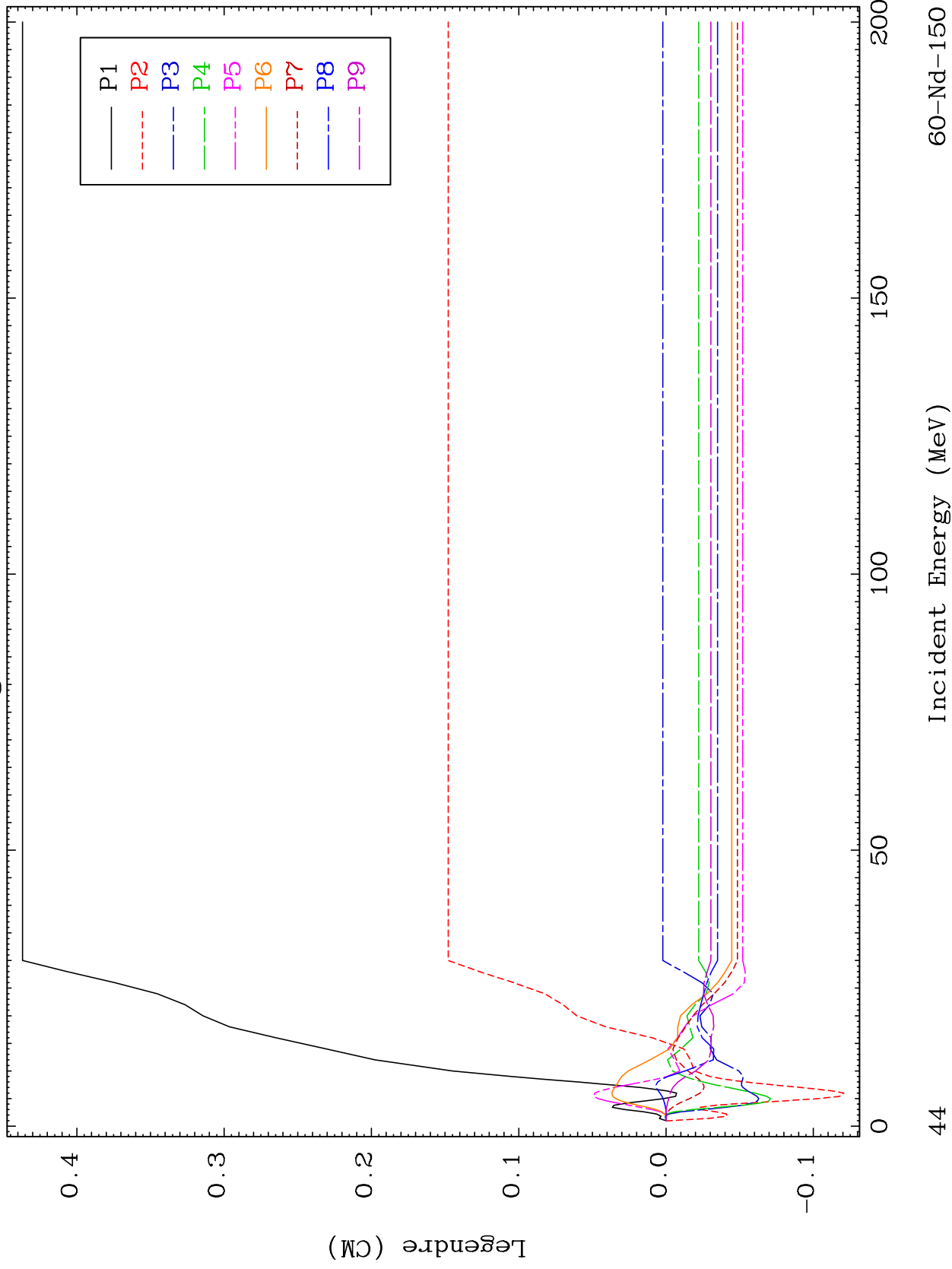
60-Nd-150



MAT 6049

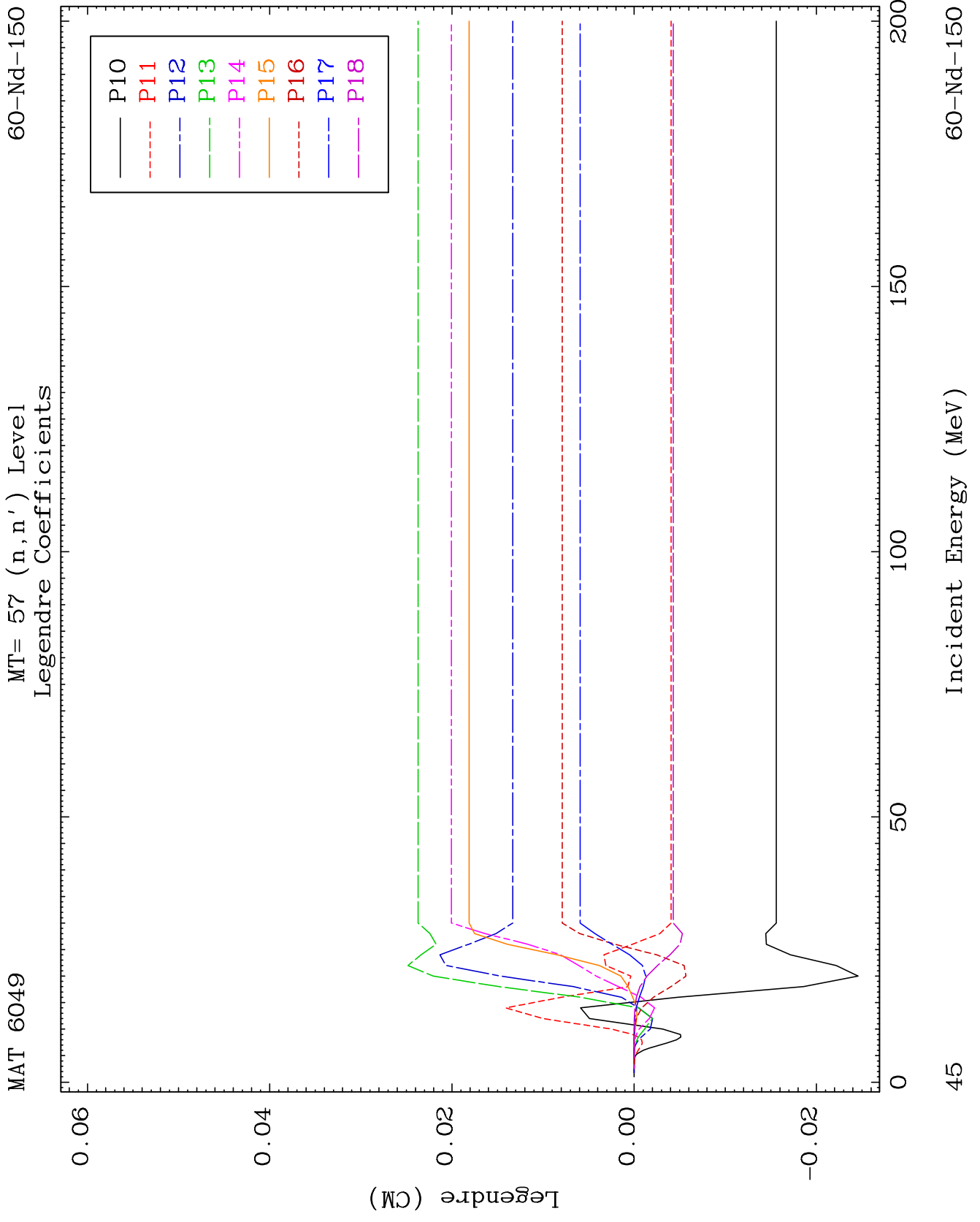
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Legendre Coefficients

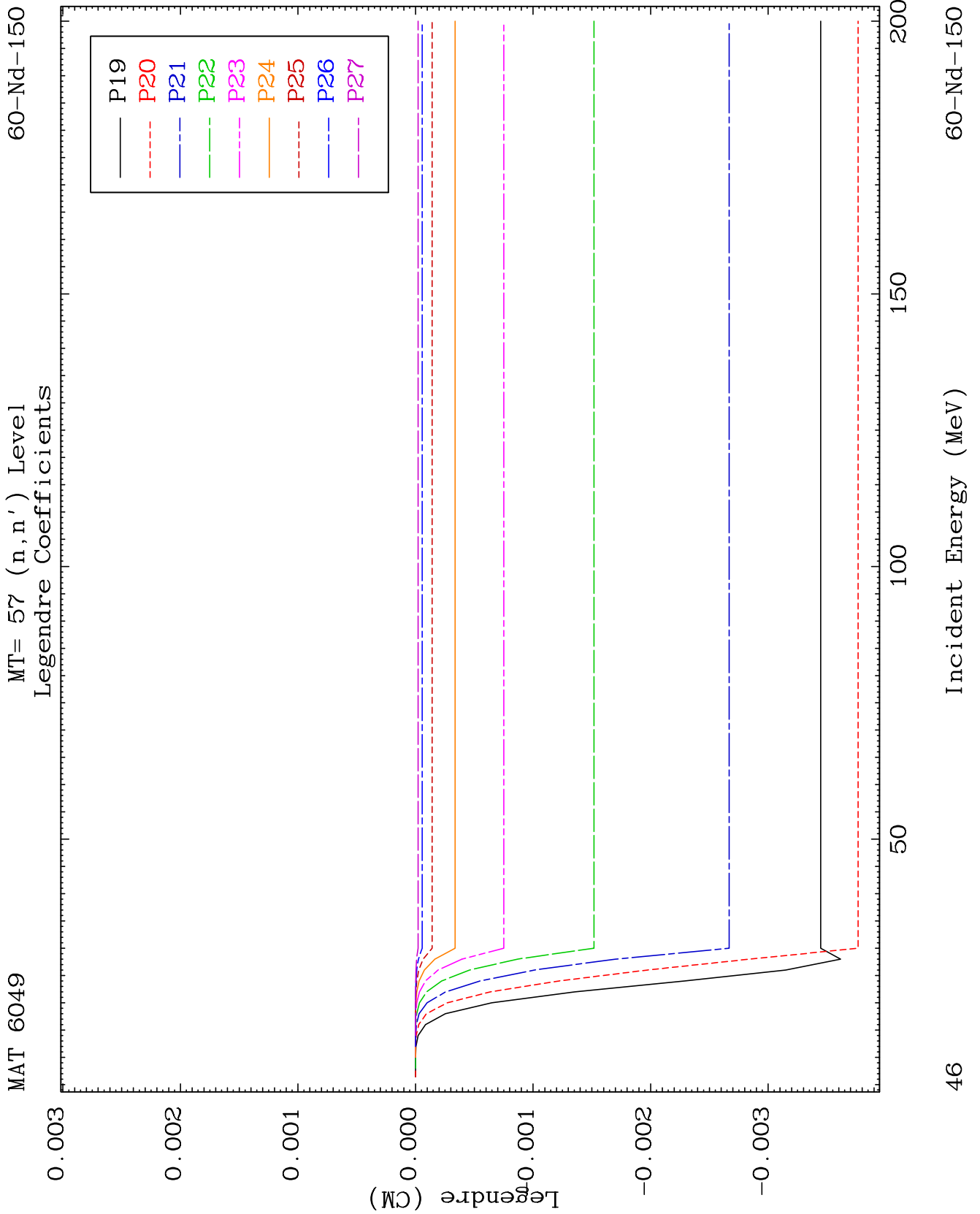
60-Nd-150



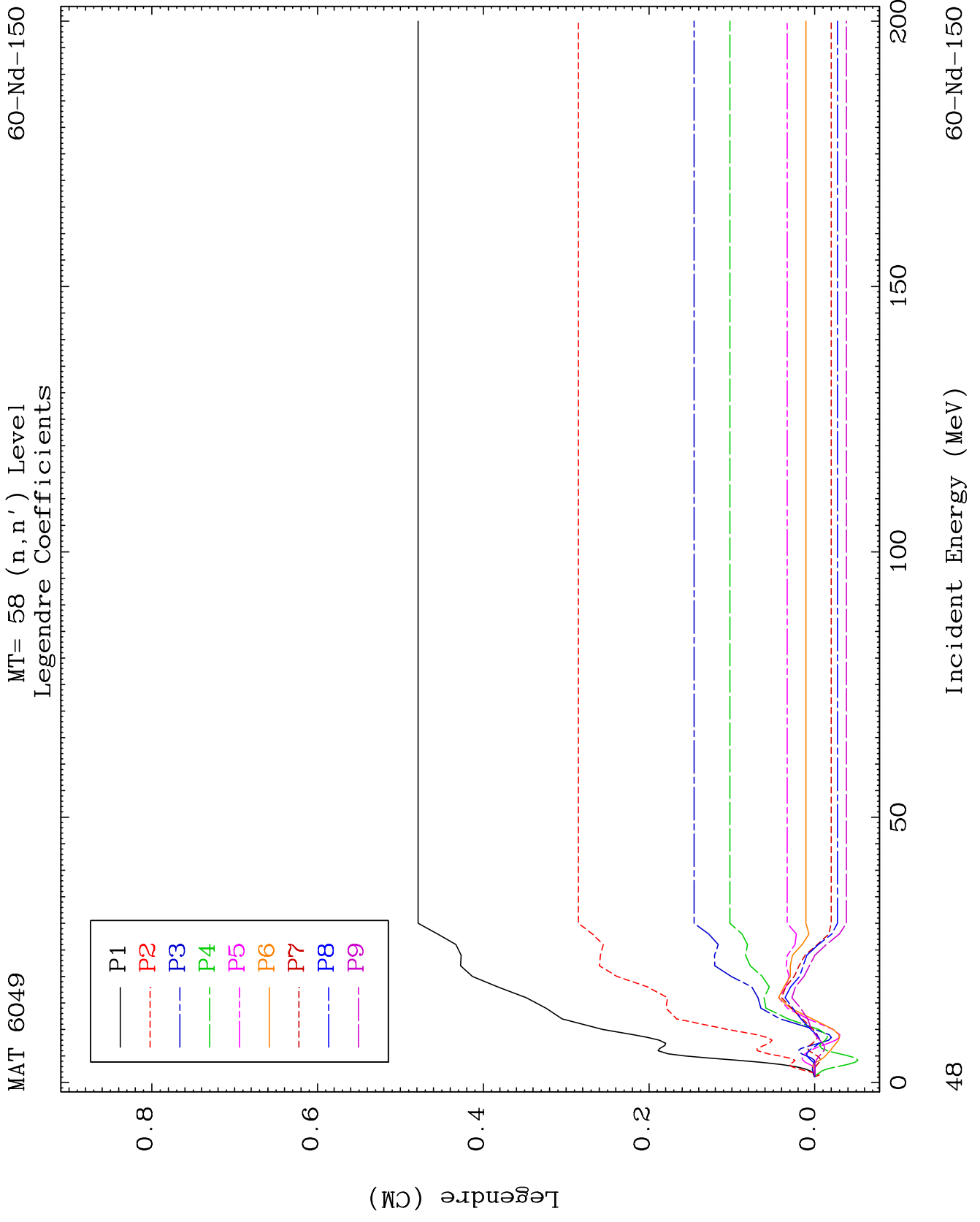
44

60-Nd-150





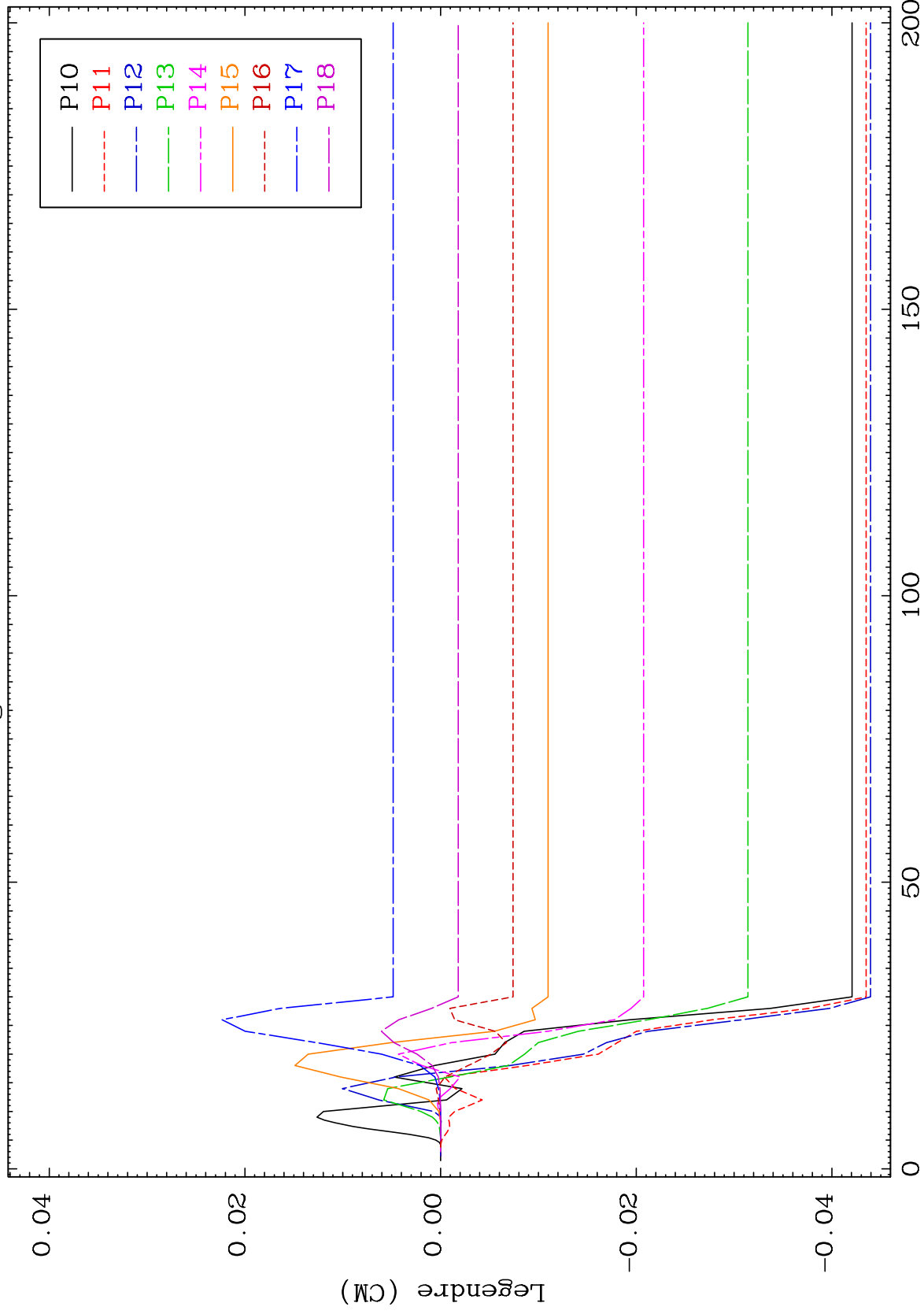




MAT 6049

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

60-Nd-150



49

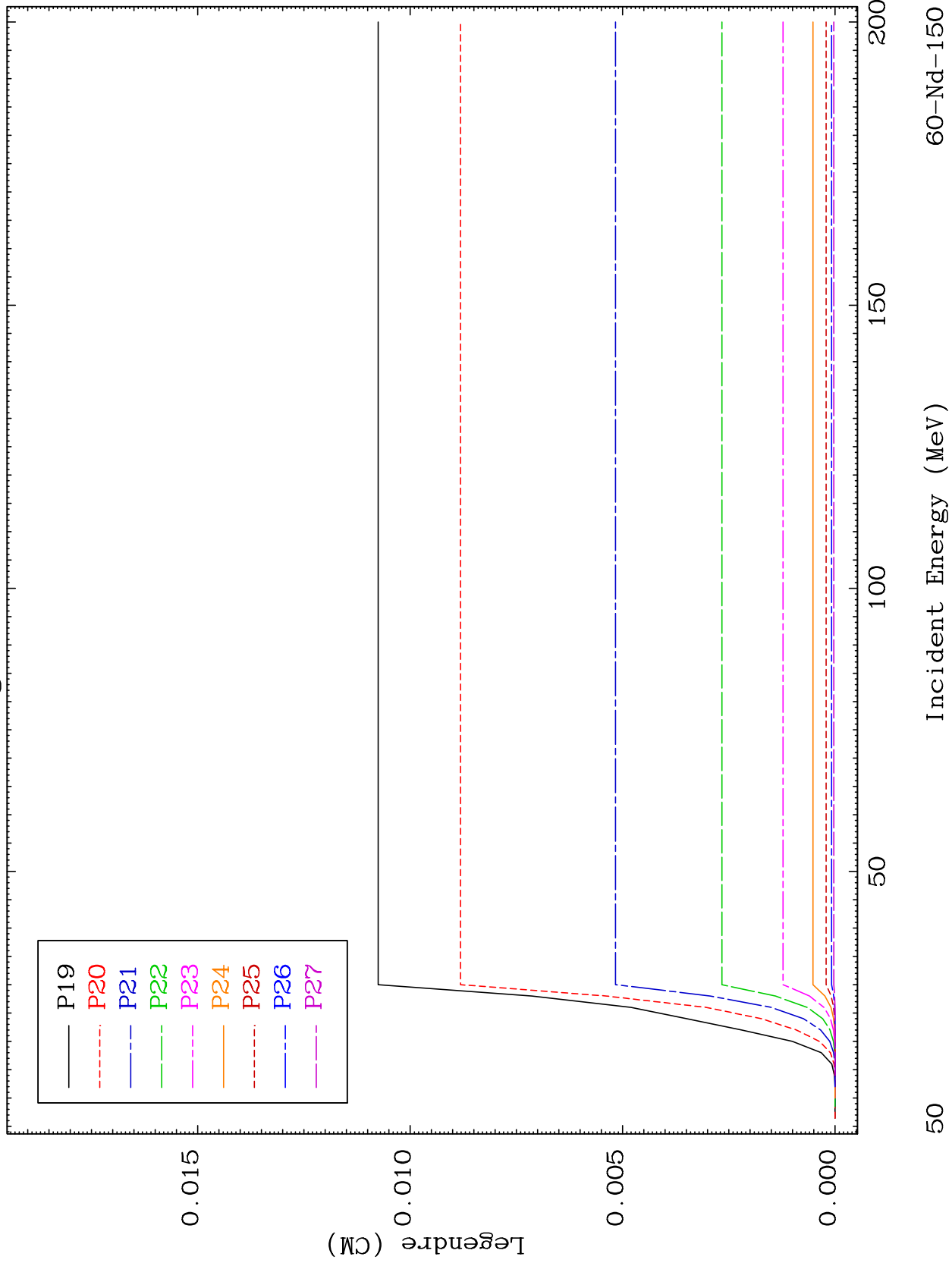
Incident Energy (MeV)

60-Nd-150

MAT 6049

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

60-Nd-150



60-Nd-150

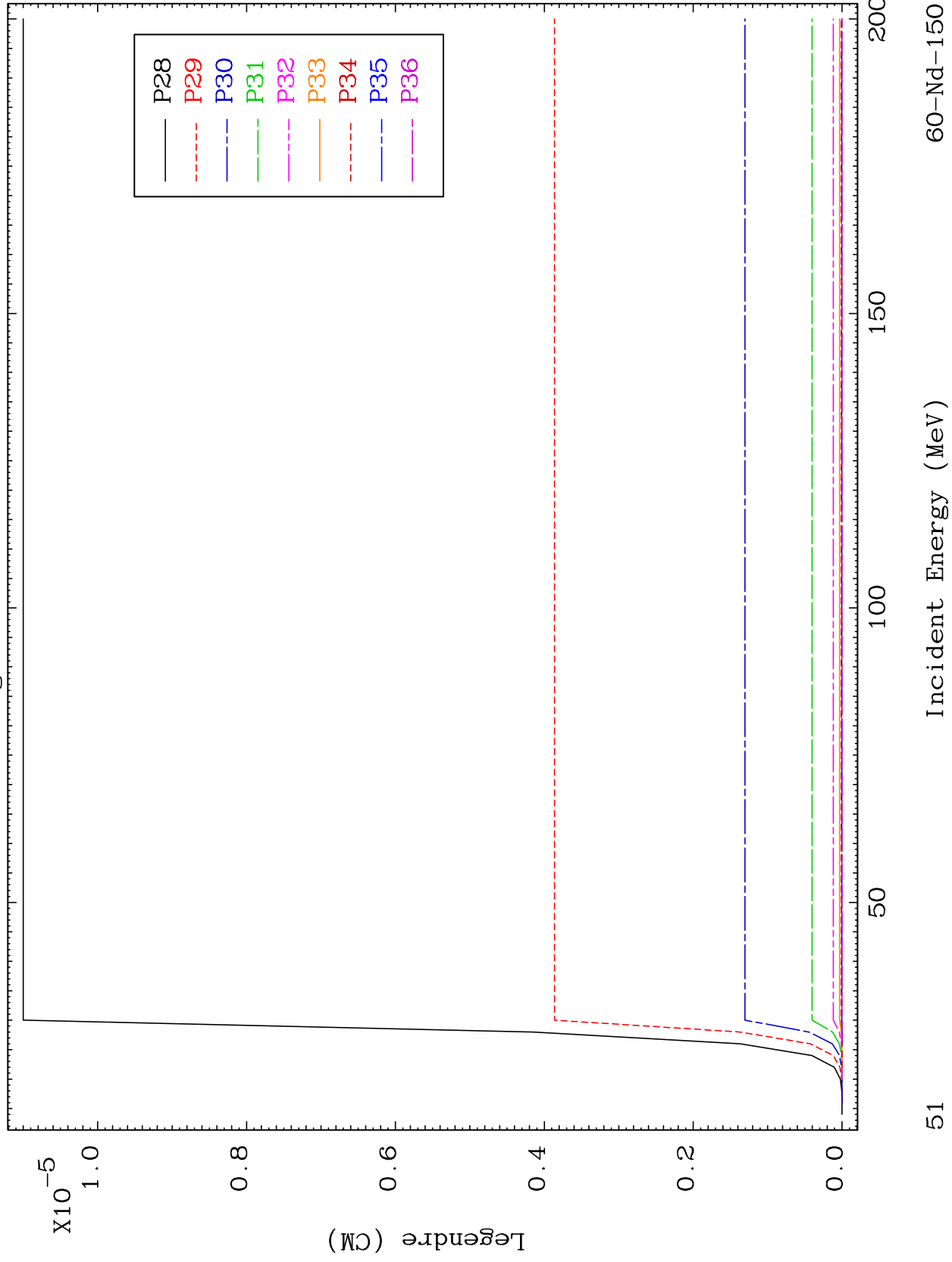
Incident Energy (MeV)

50

MAT 6049

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

60-Nd-150

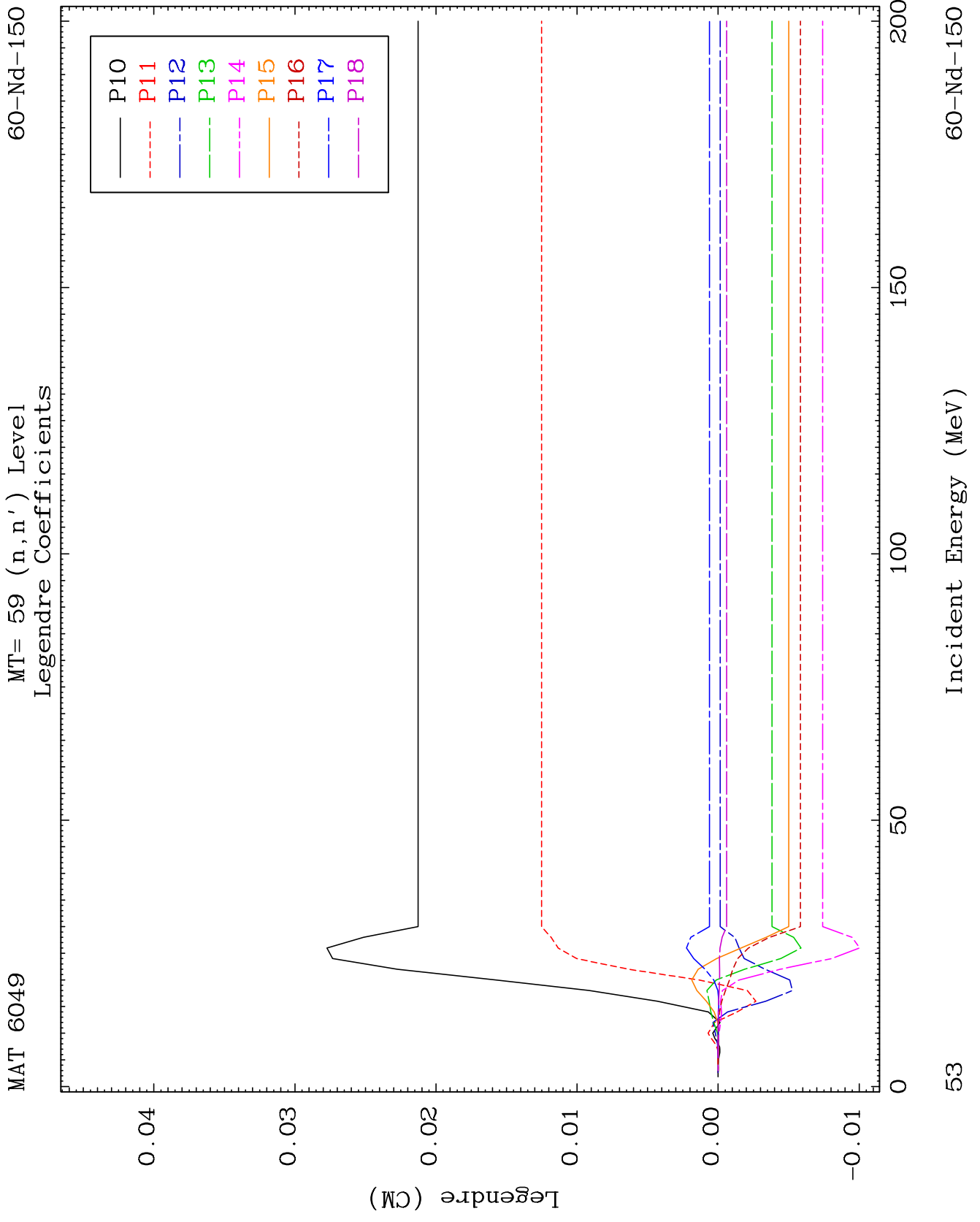


51

Incident Energy (MeV)

60-Nd-150

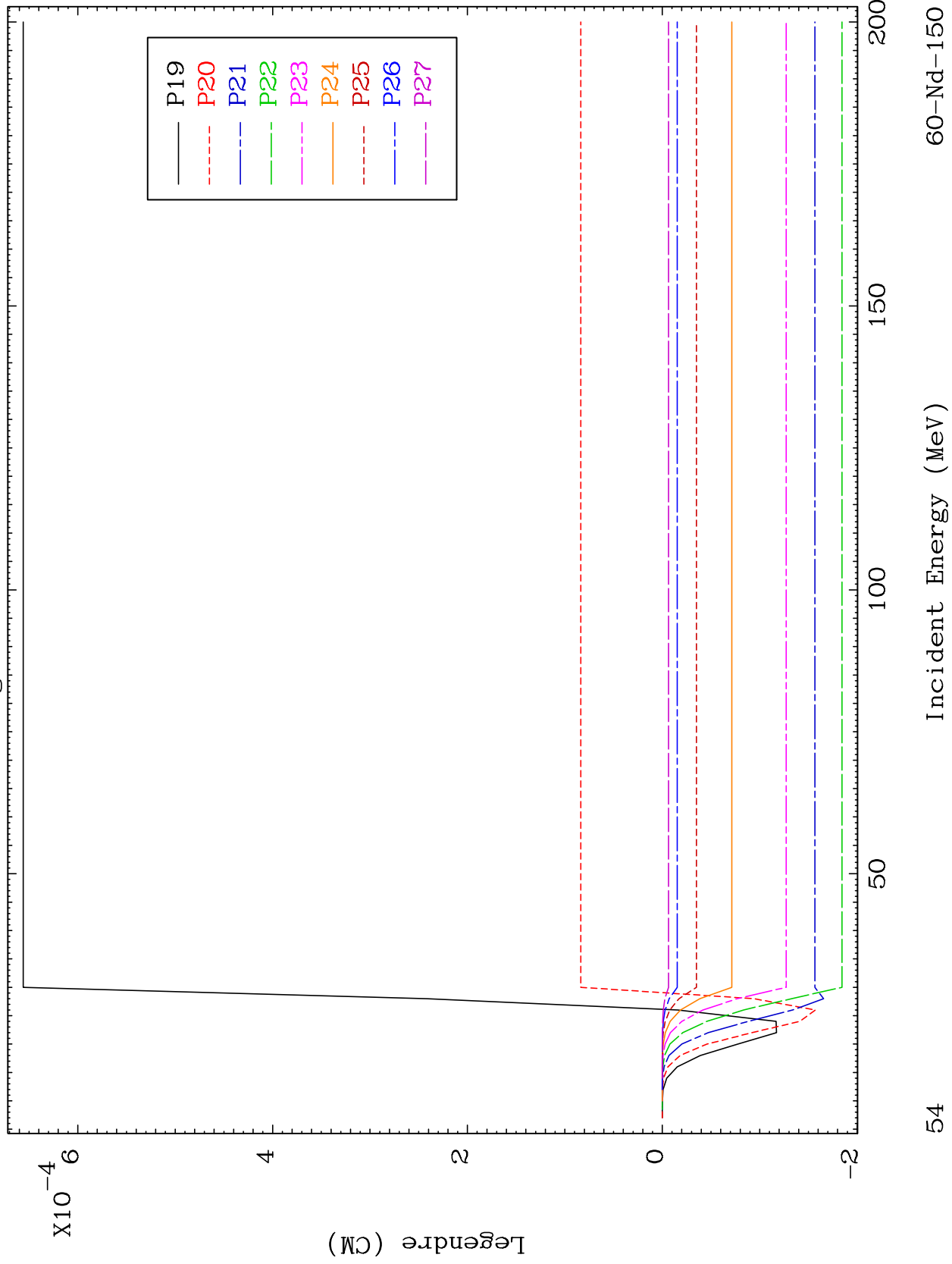


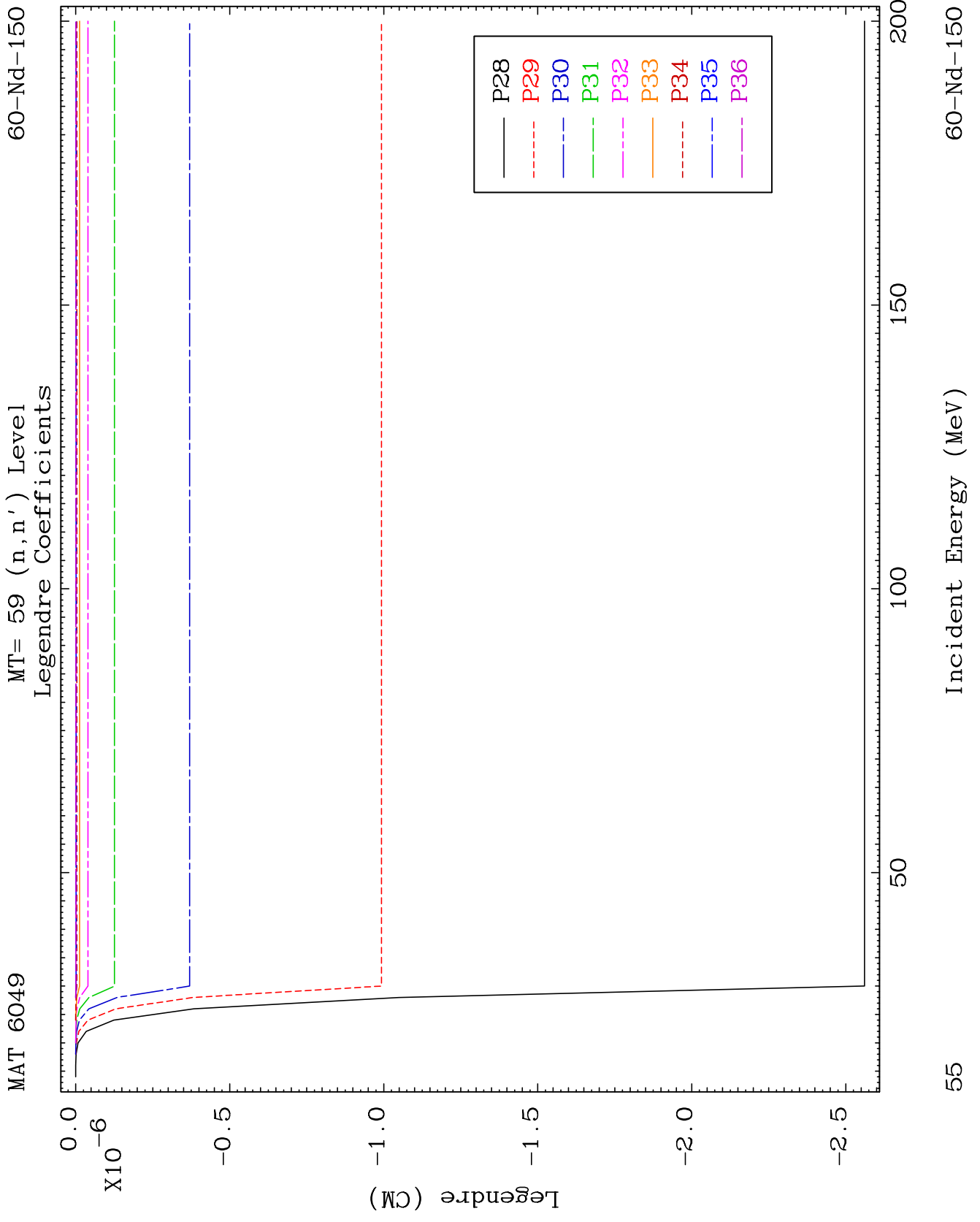


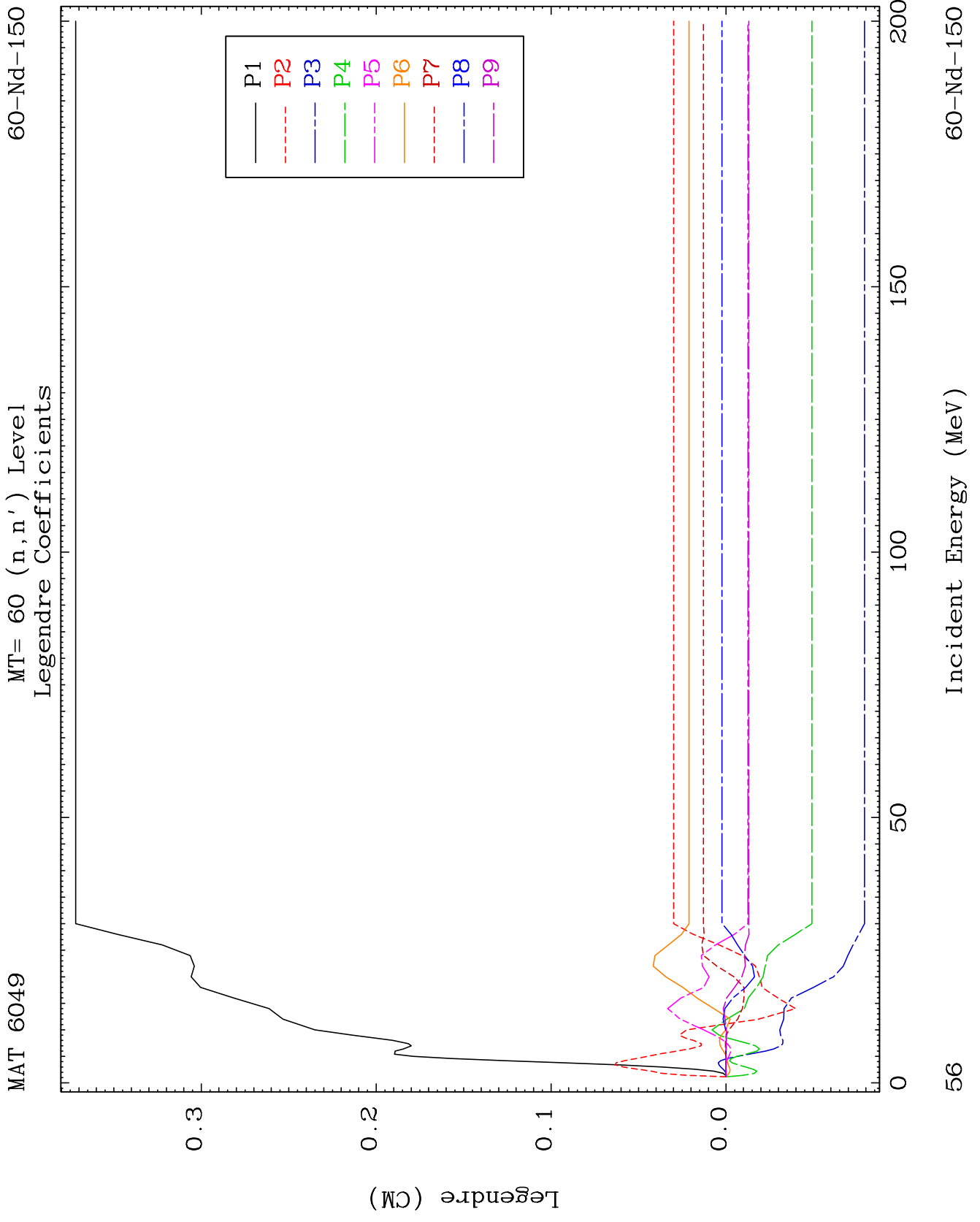
MAT 6049

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

60-Nd-150



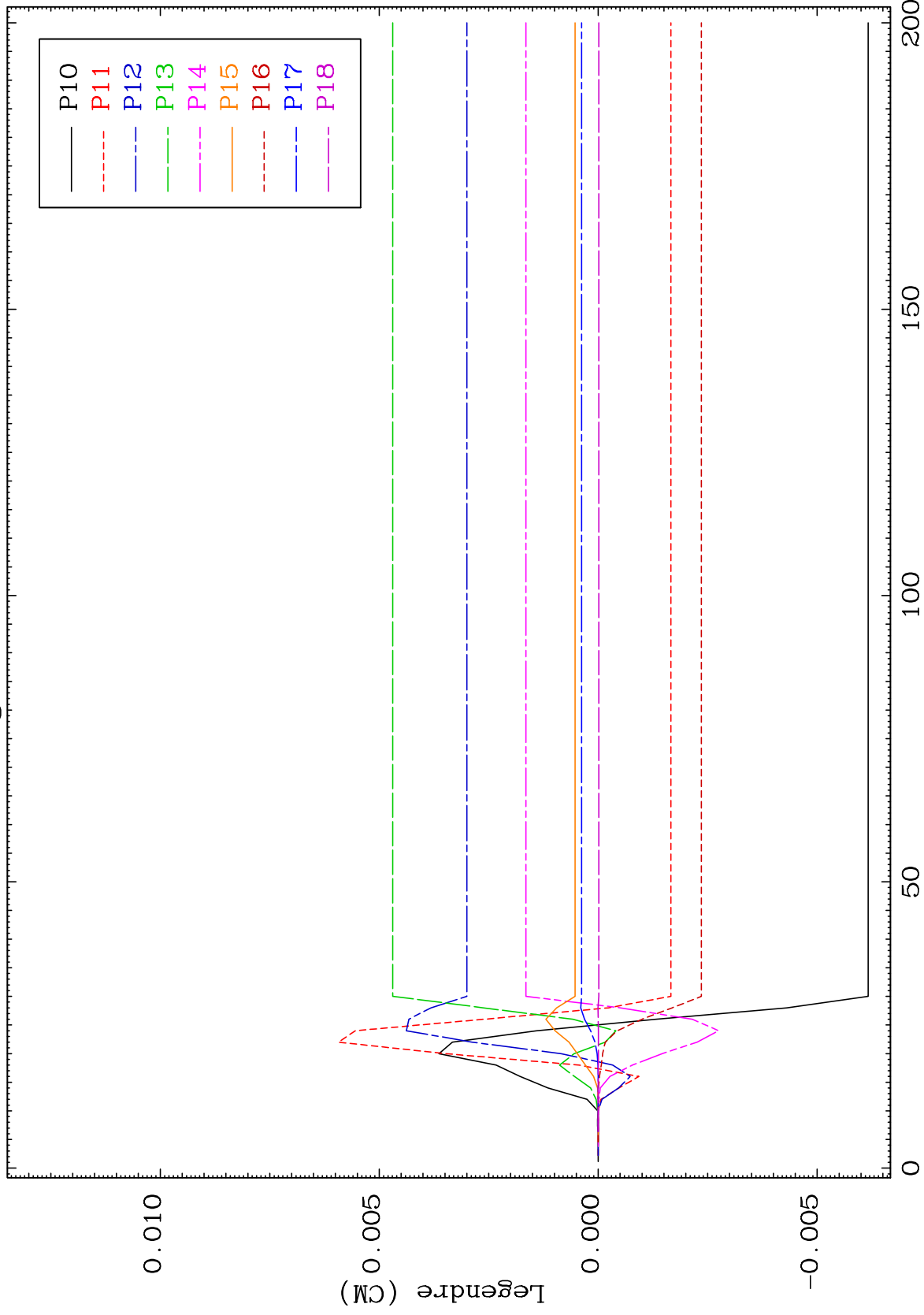




MAT 6049

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

60-Nd-150



57

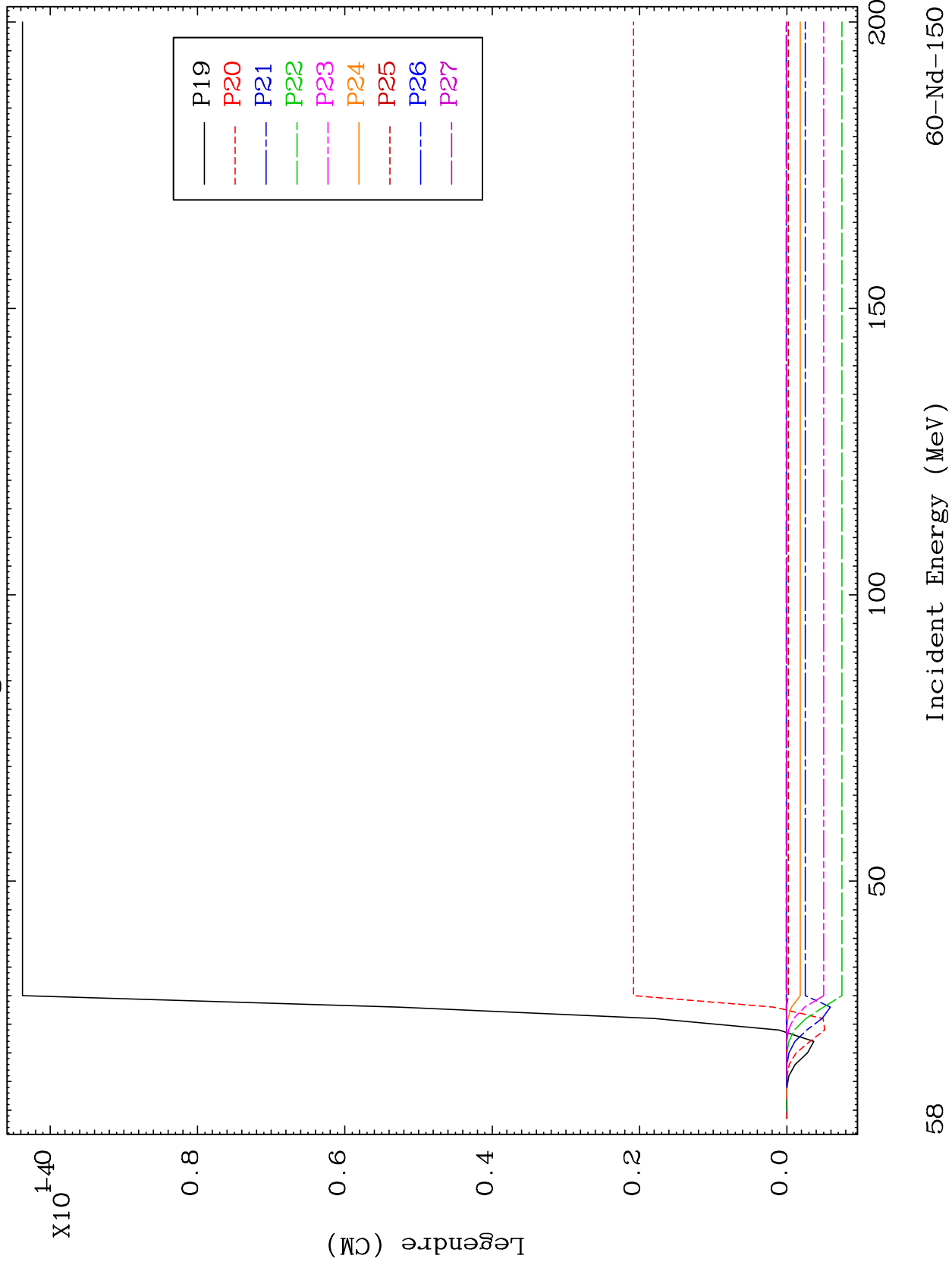
Incident Energy (MeV)

60-Nd-150

MAT 6049

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

60-Nd-150



58

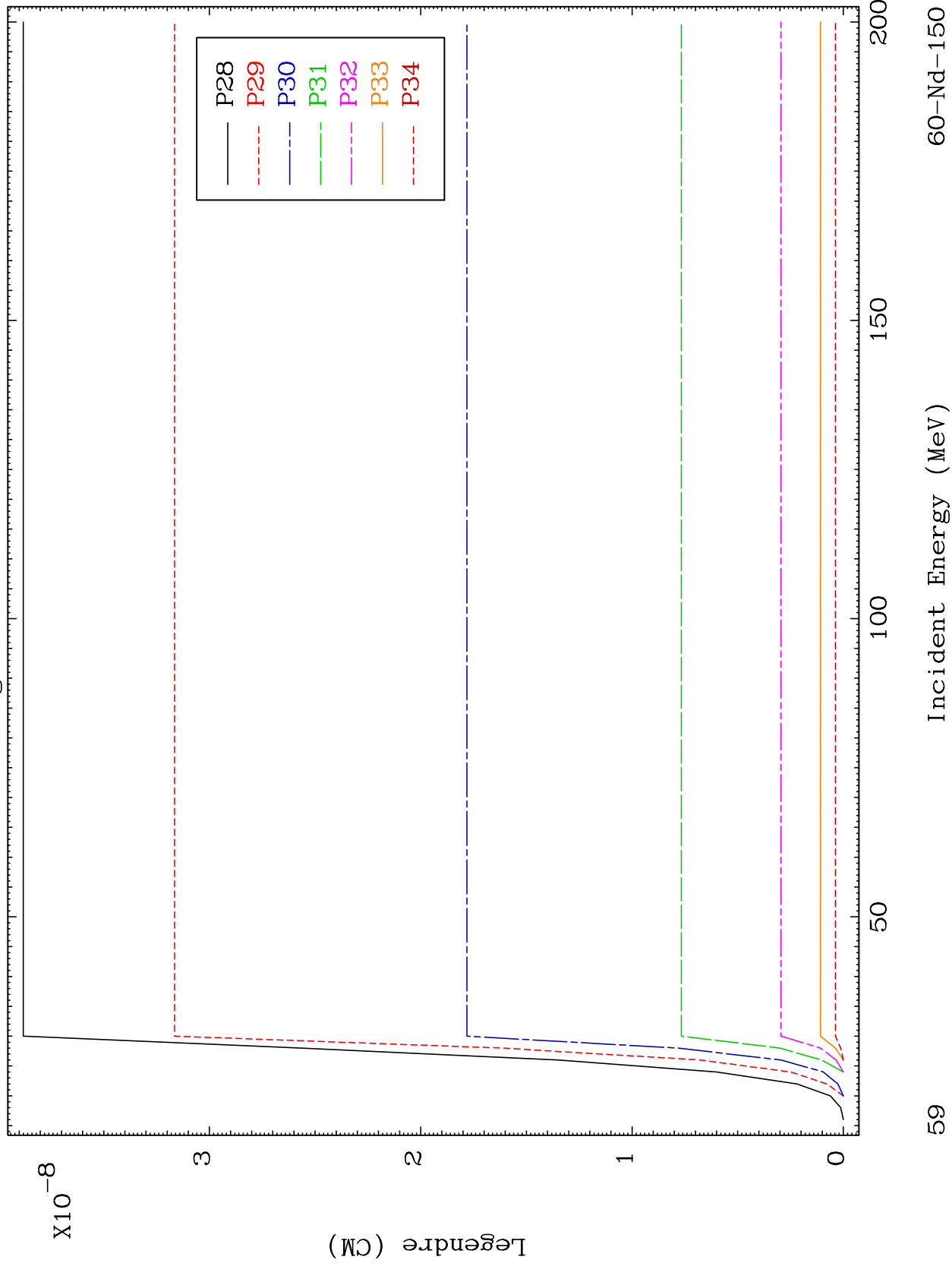
Incident Energy (MeV)

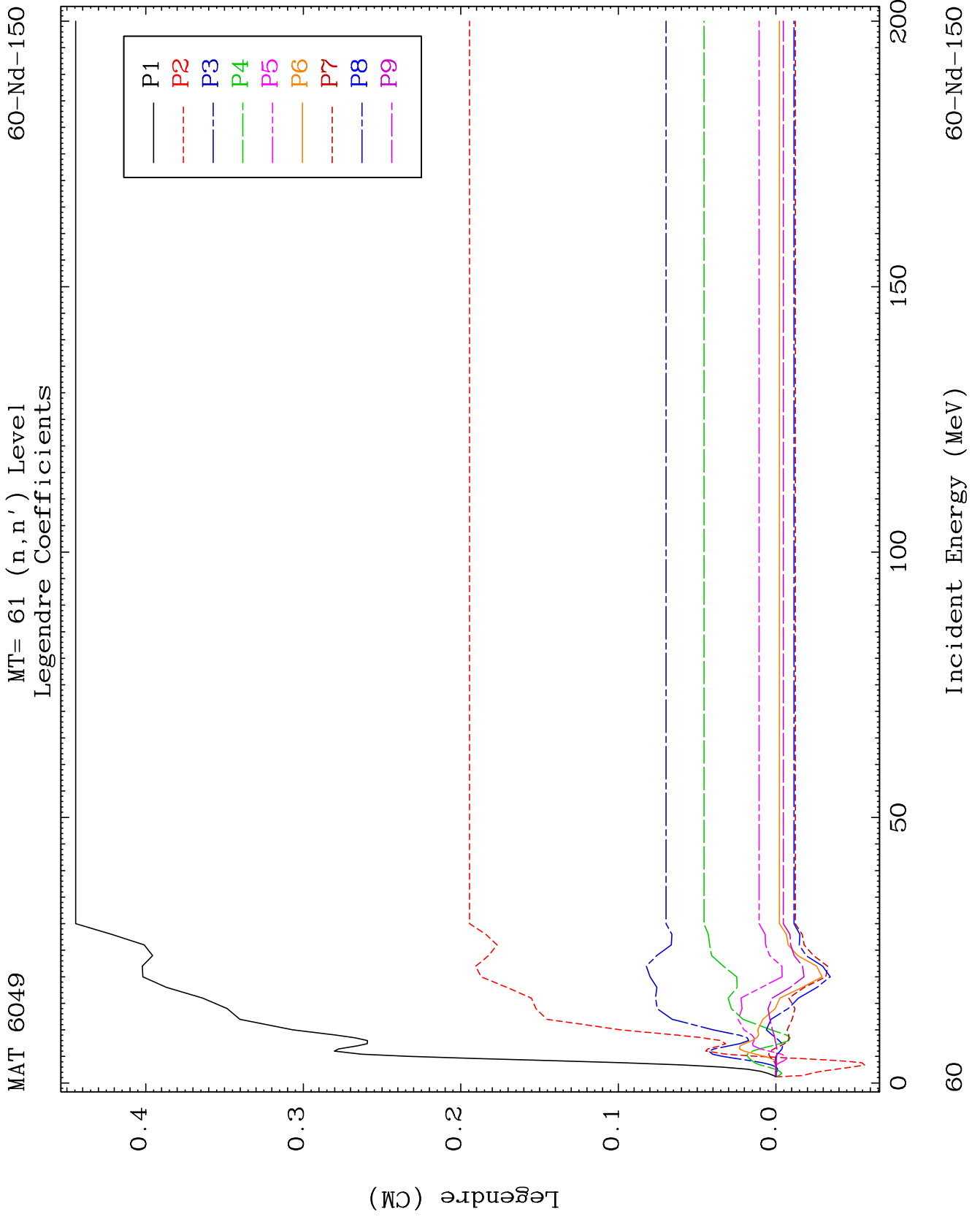
60-Nd-150

MAT 6049

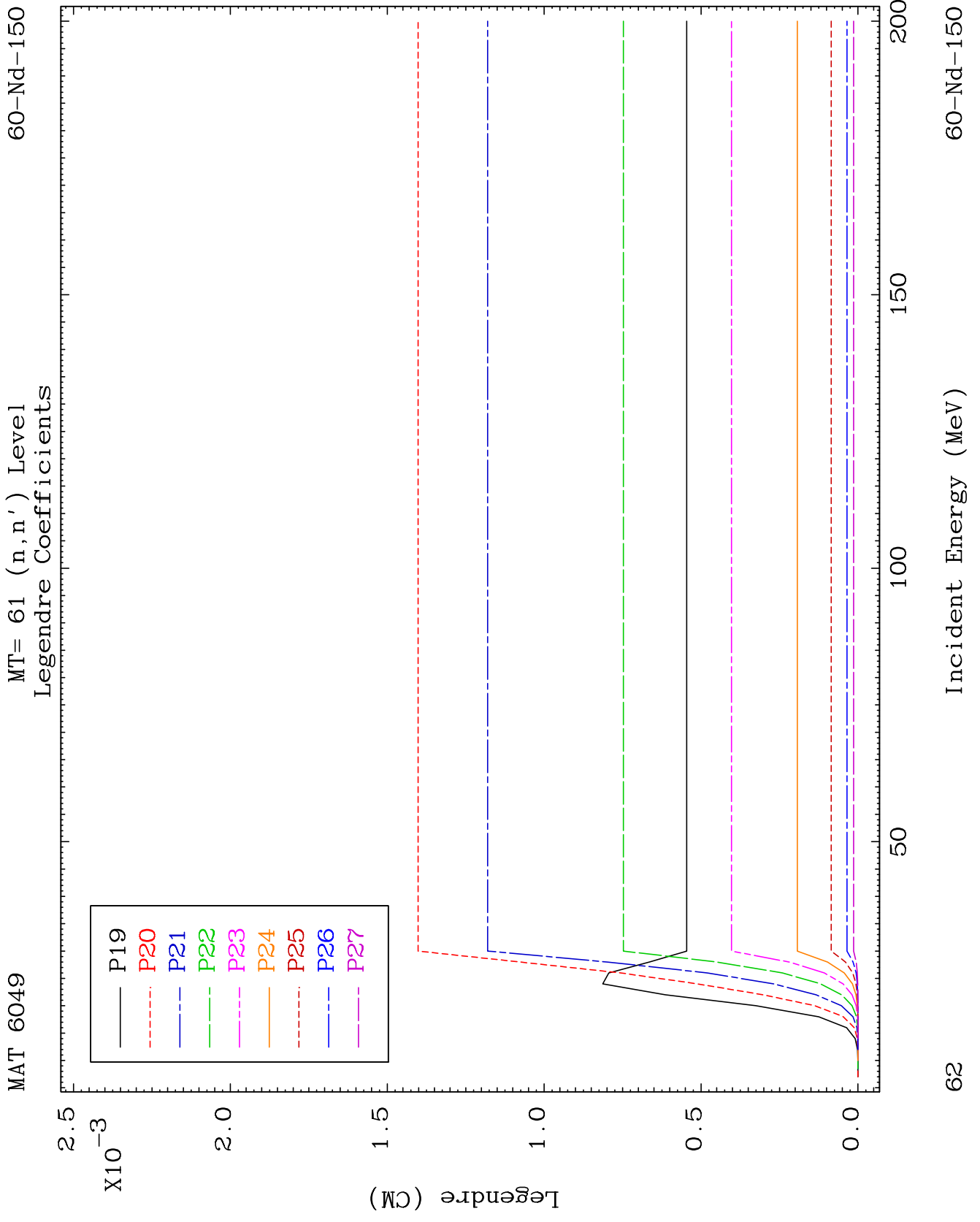
MT= 60 (n,n') Level  
Legendre Coefficients

60-Nd-150





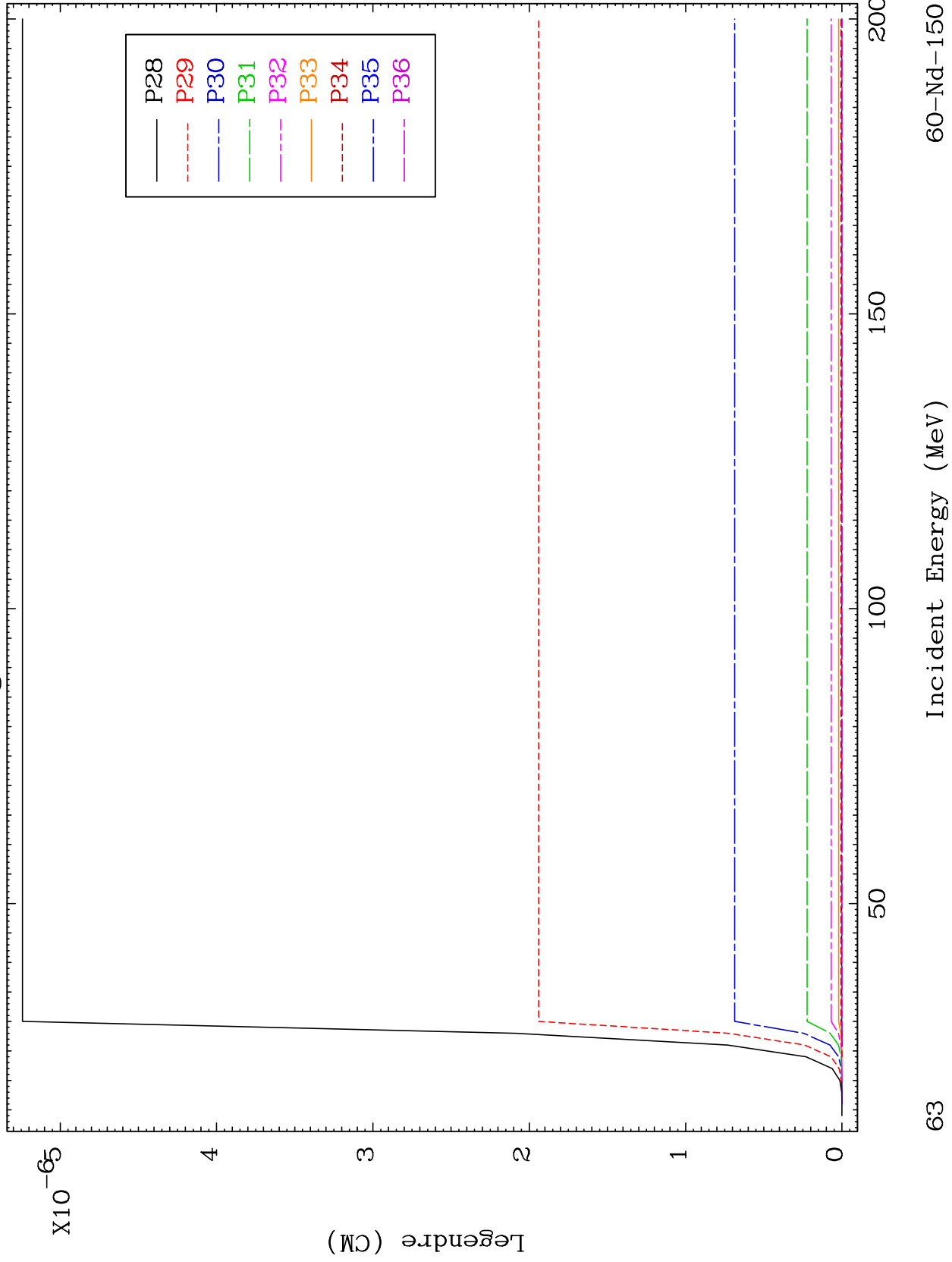


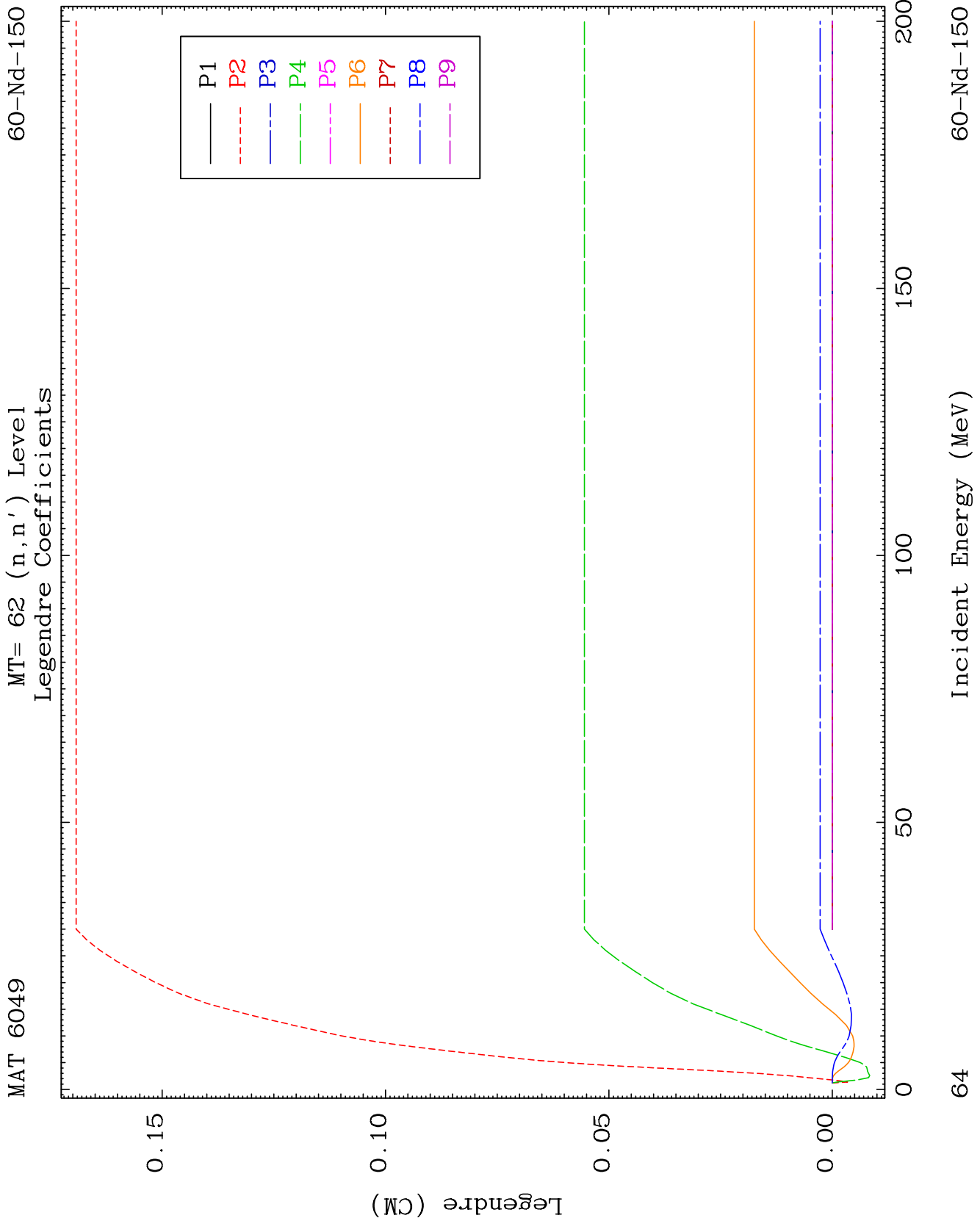


MAT 6049

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

60-Nd-150

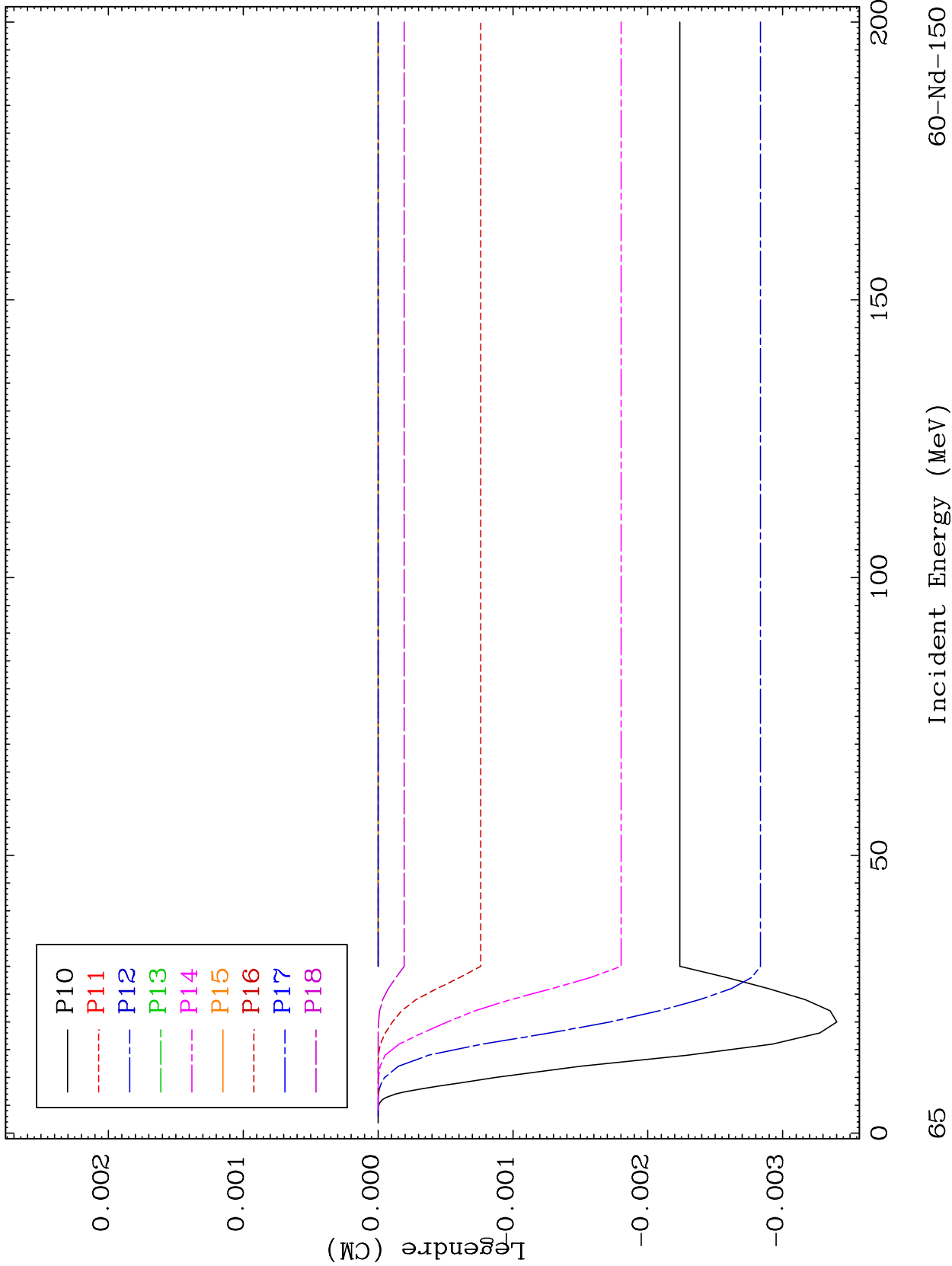




MAT 6049

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

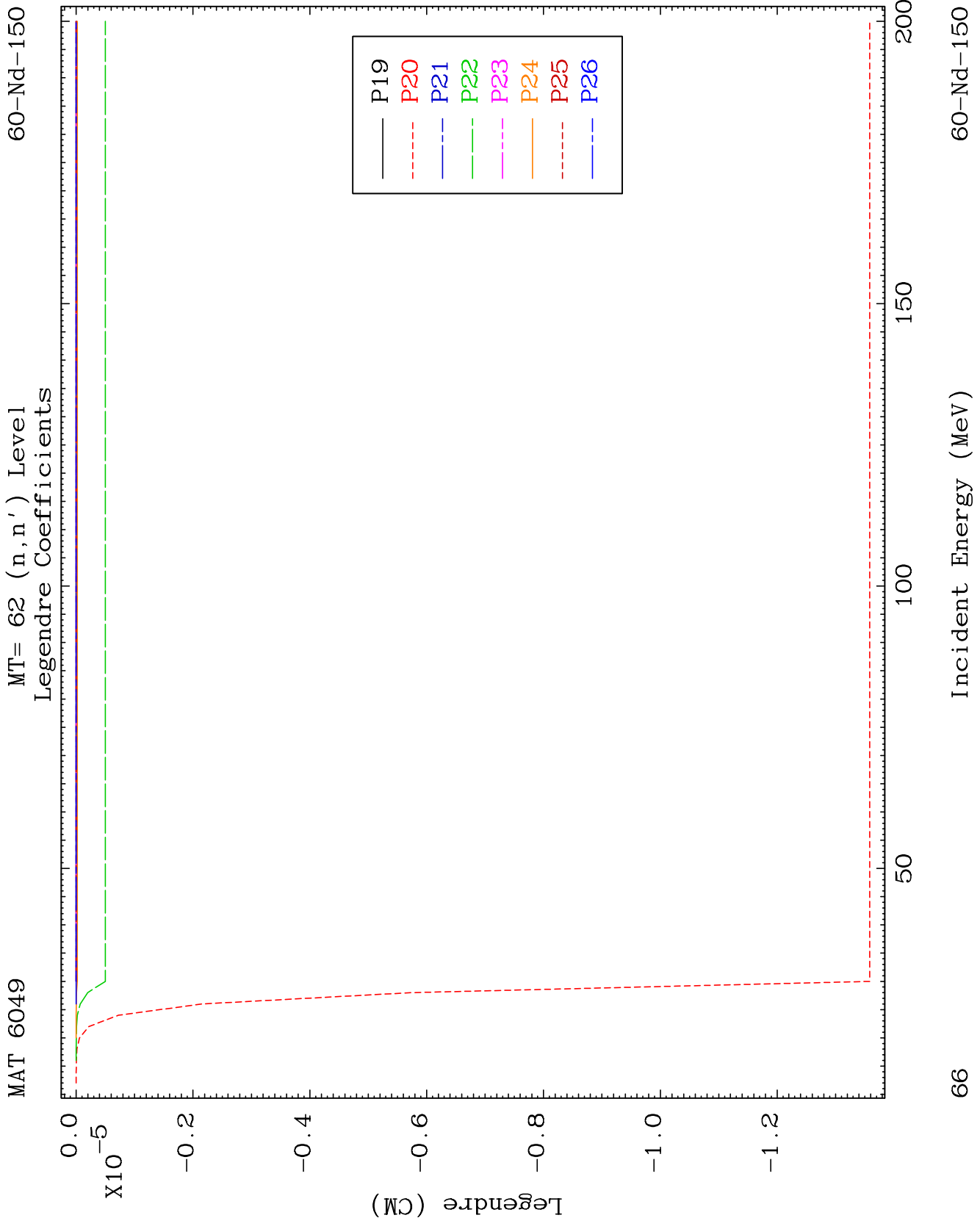
60-Nd-150

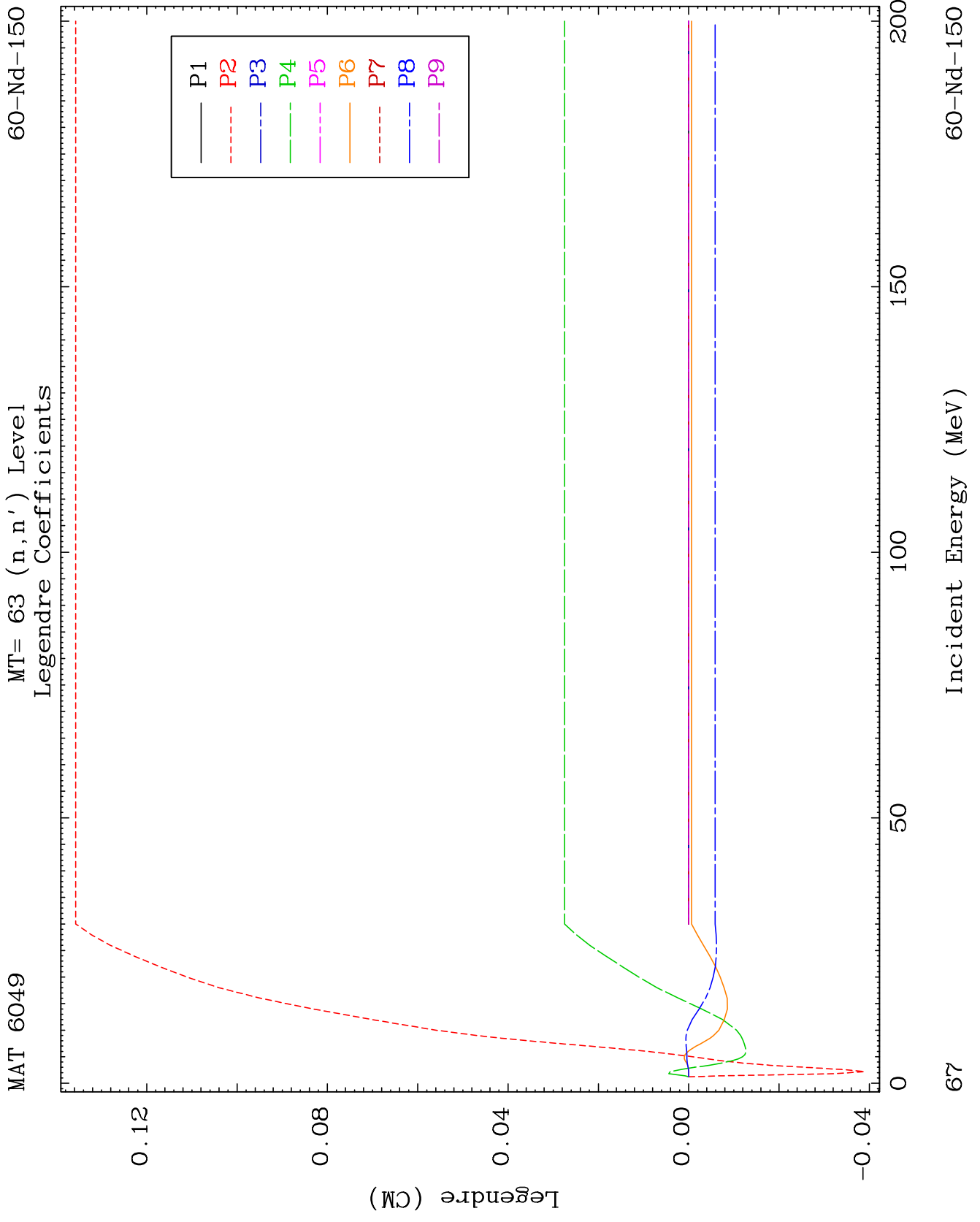


65

Incident Energy (MeV)

60-Nd-150

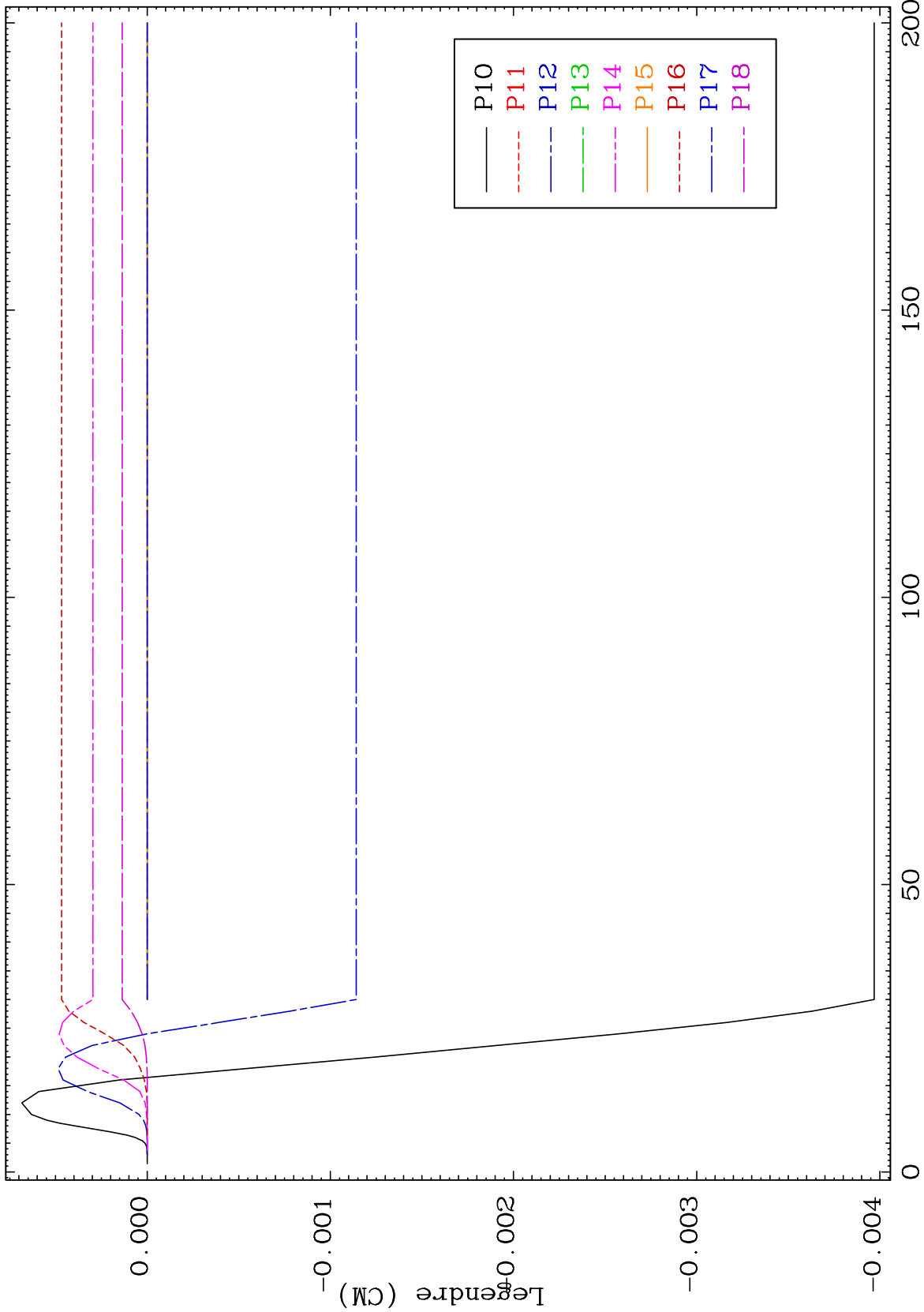




MAT 6049

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

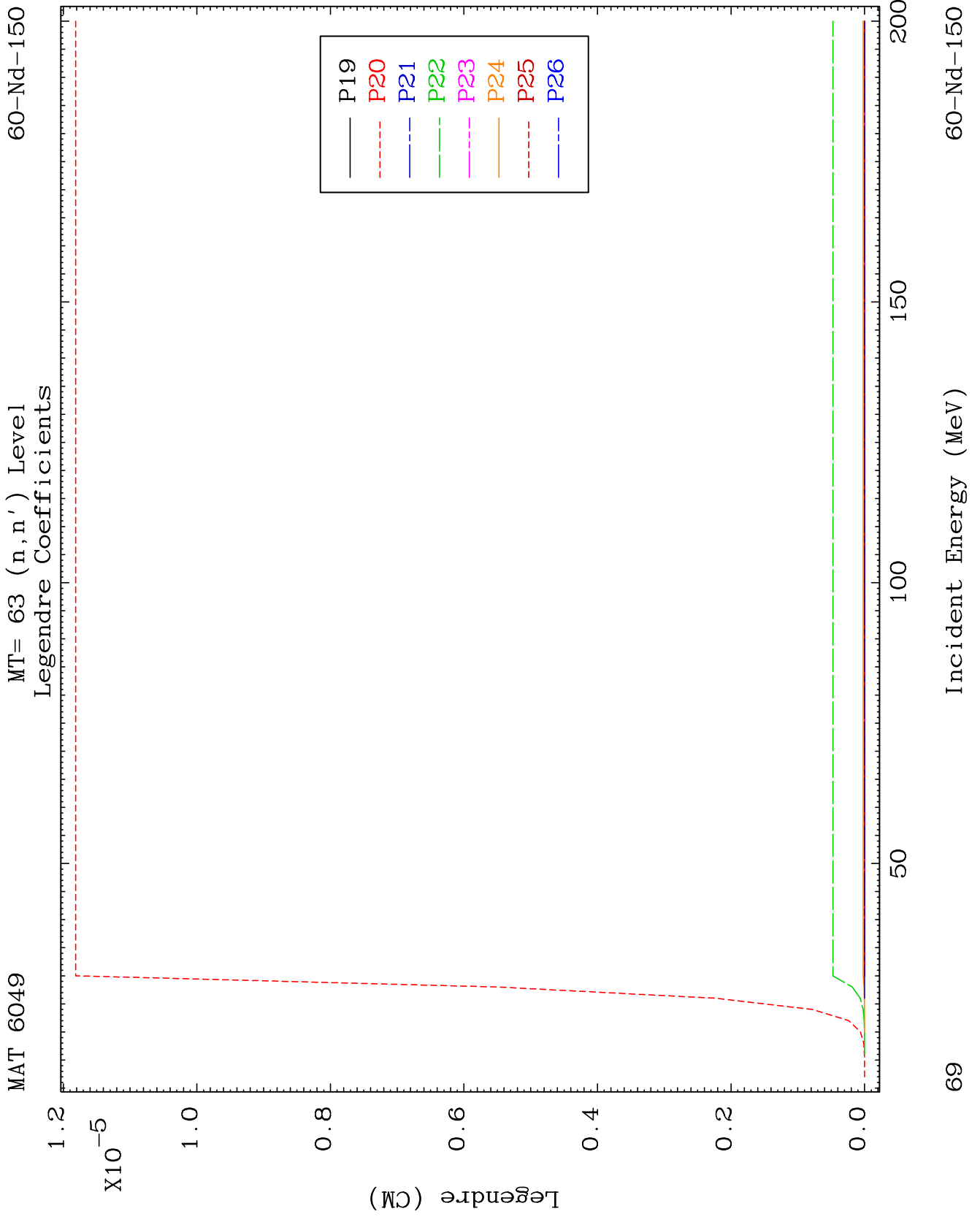
60-Nd-150



68

Incident Energy (MeV)

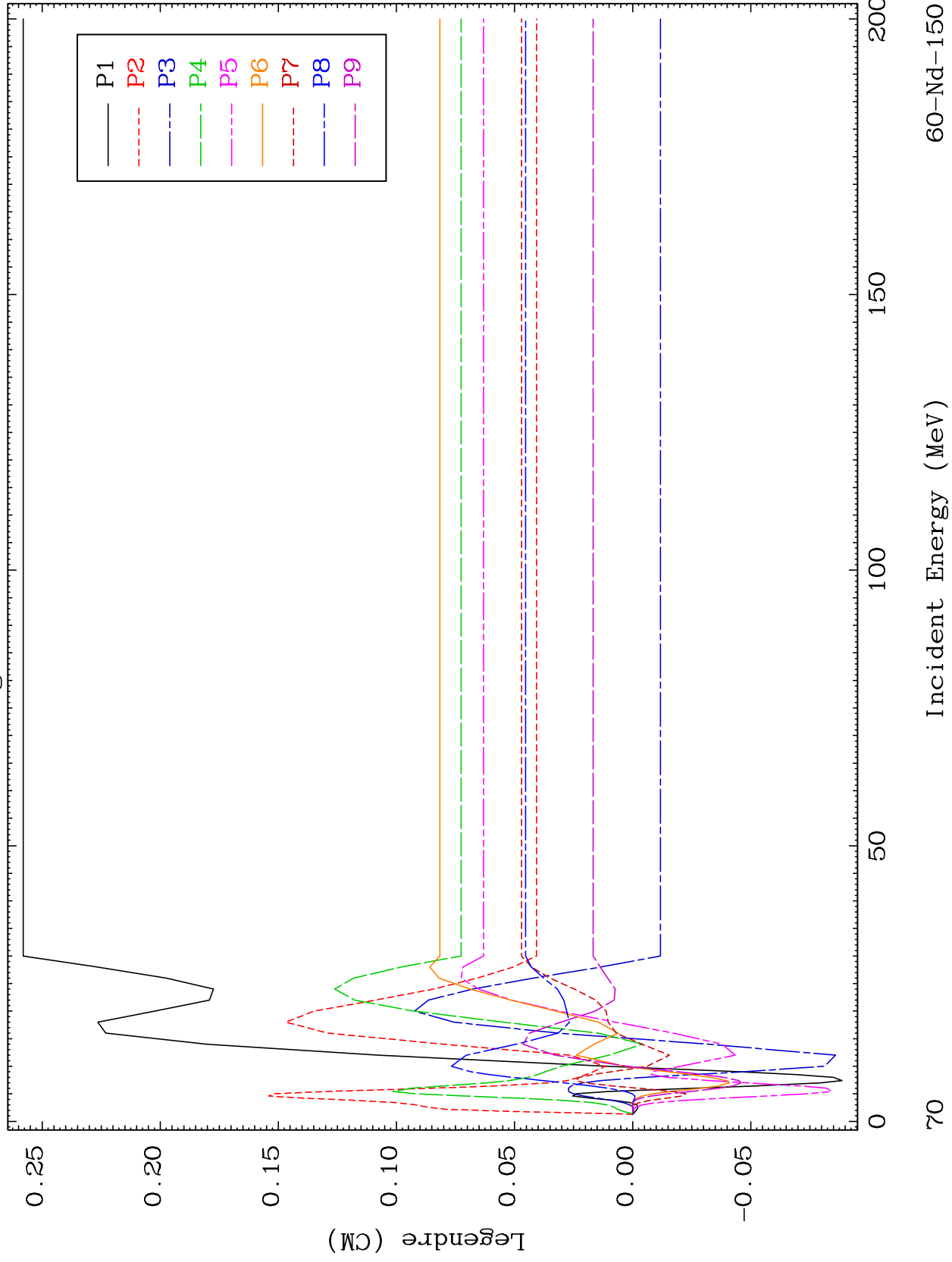
60-Nd-150



MAT 6049

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

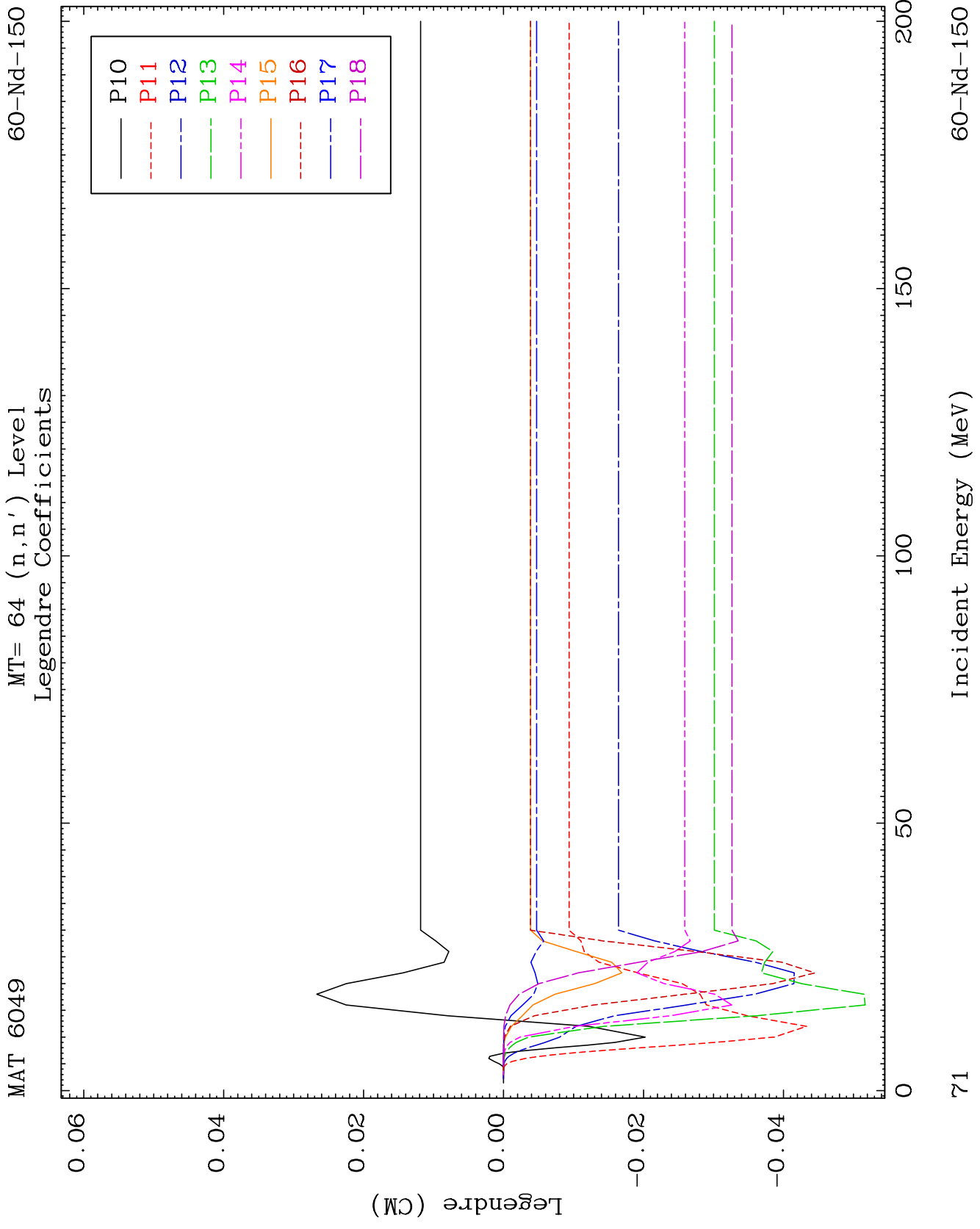
60-Nd-150



60-Nd-150

Incident Energy (MeV)

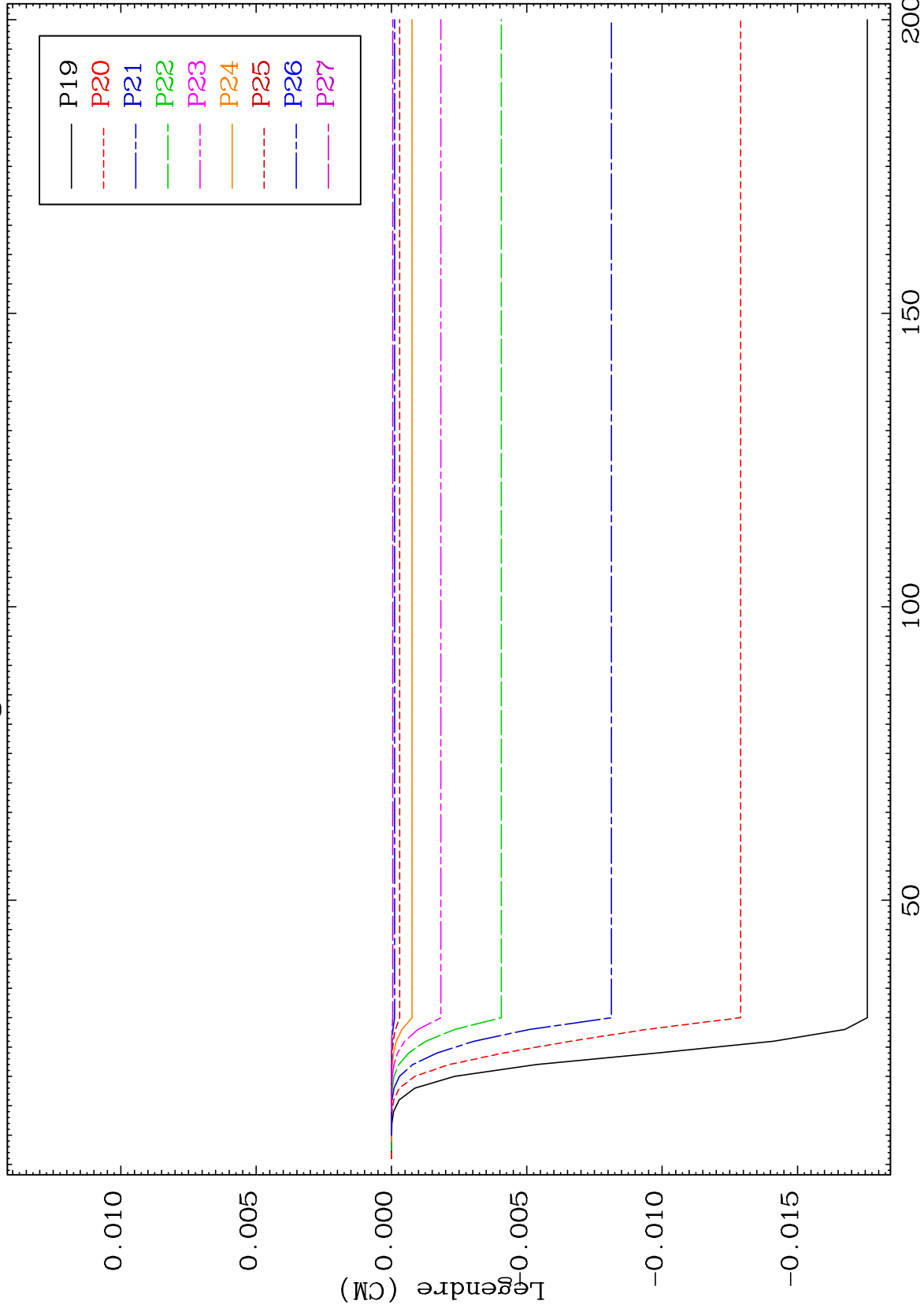
70



MAT 6049

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

60-Nd-150



72

Incident Energy (MeV)

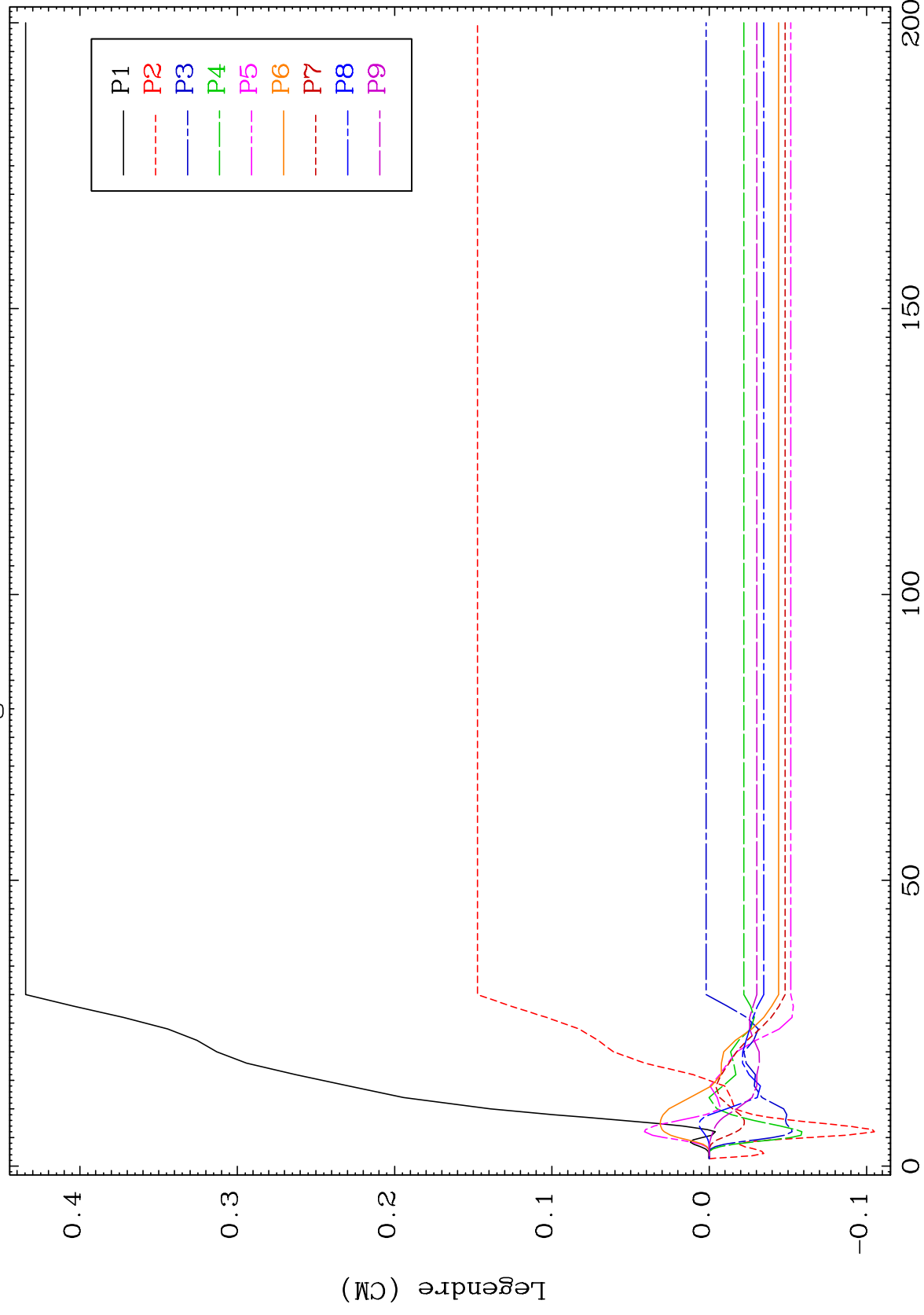
60-Nd-150



MAT 6049

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

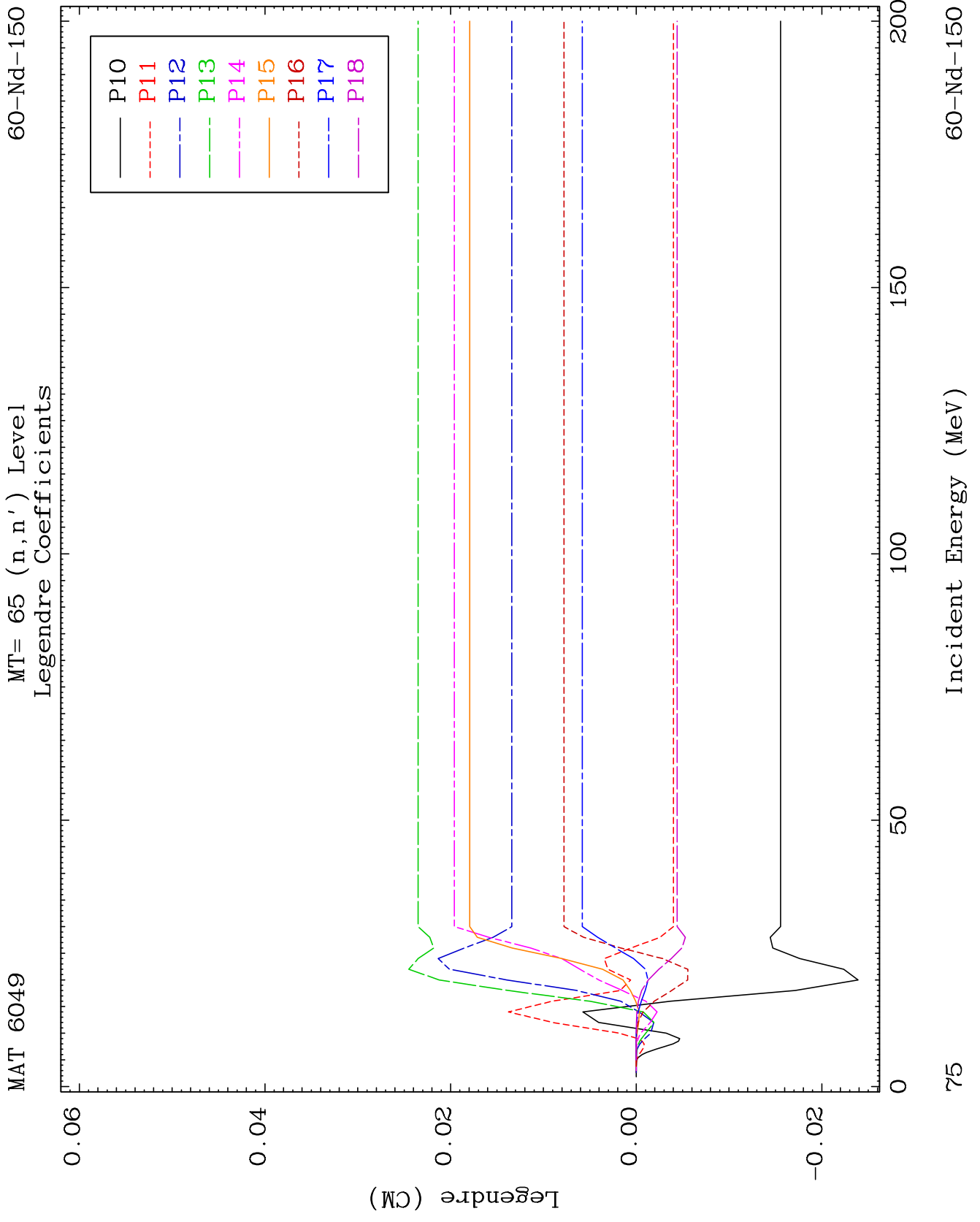
60-Nd-150



74

Incident Energy (MeV)

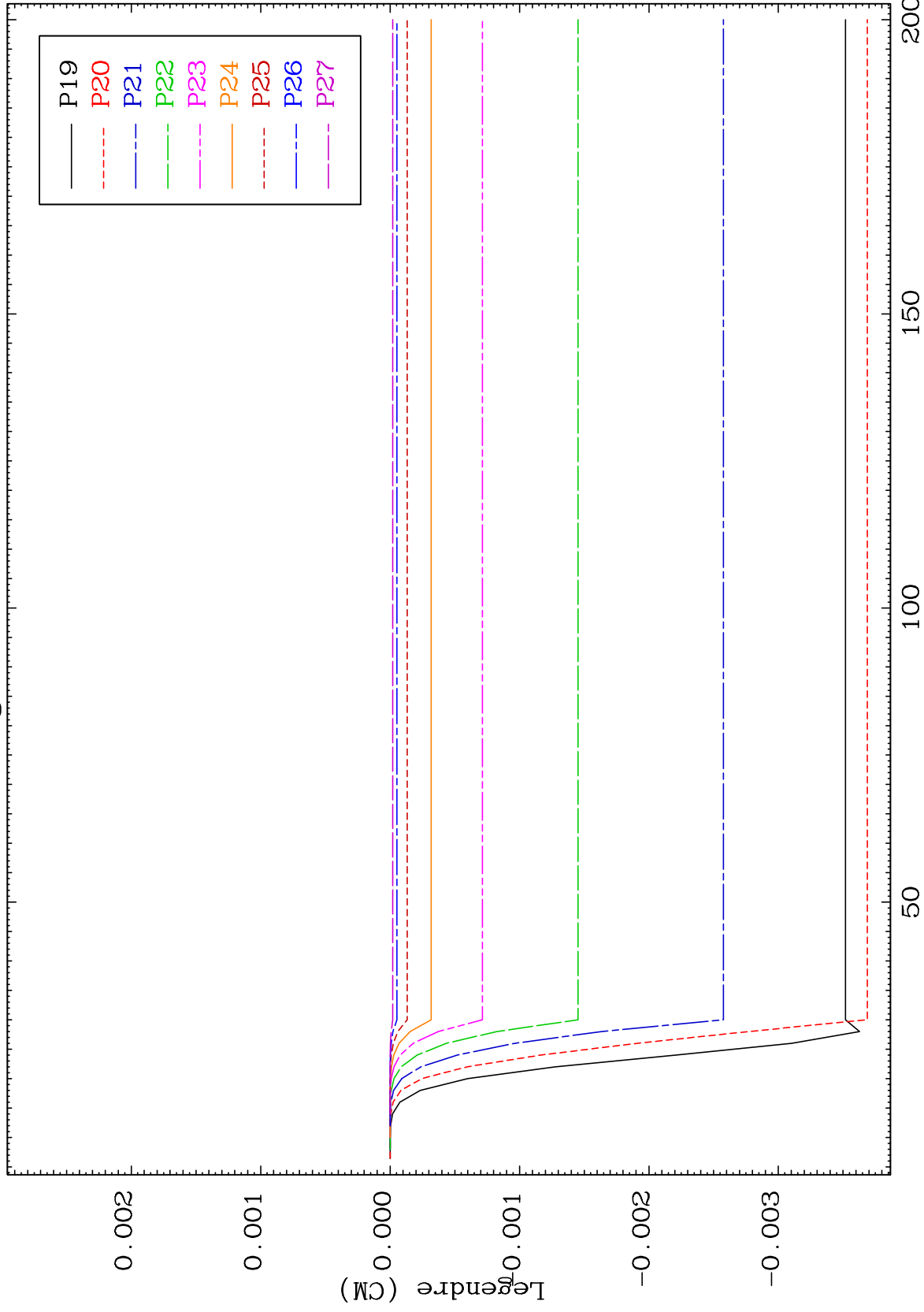
60-Nd-150



MAT 6049

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

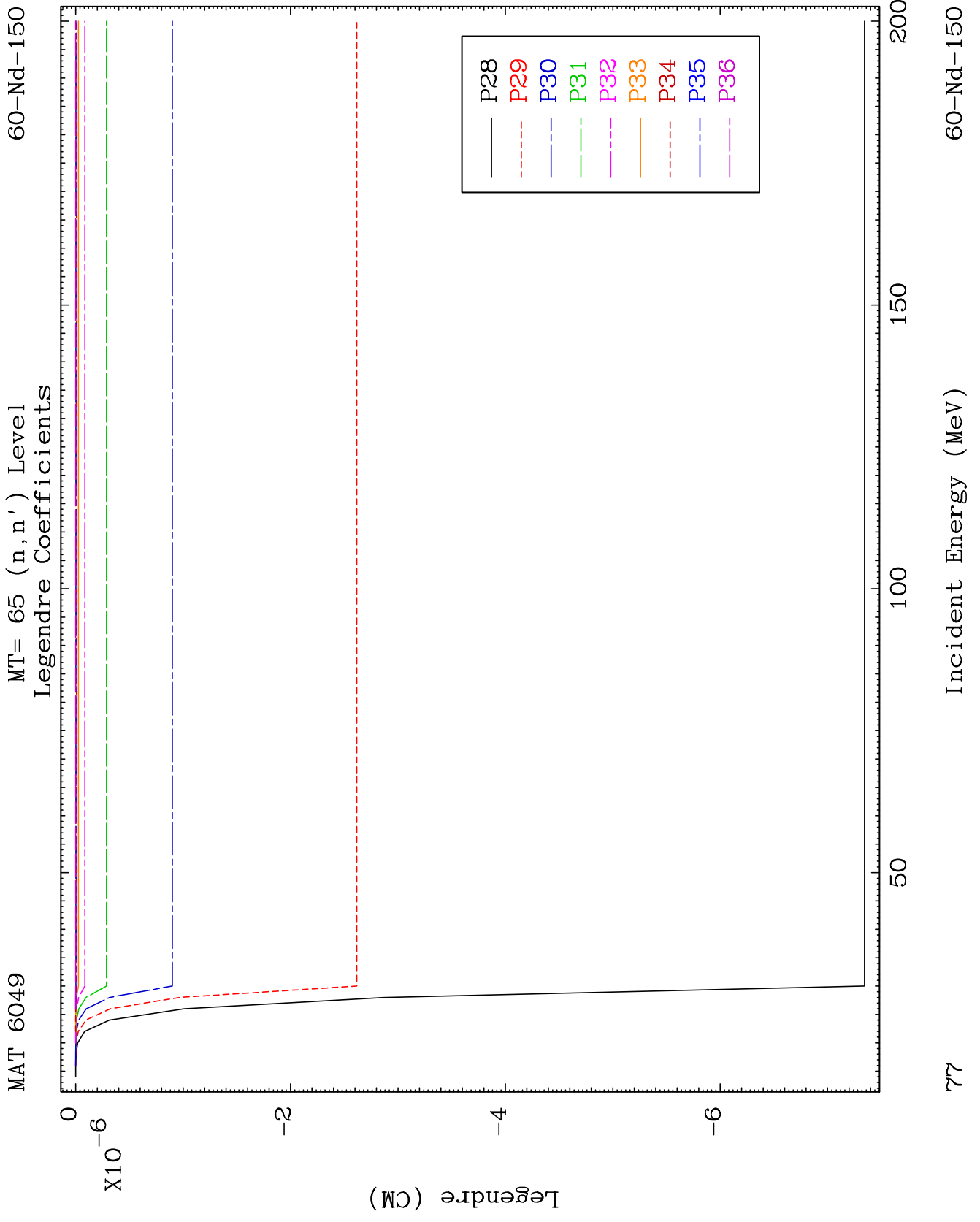
60-Nd-150



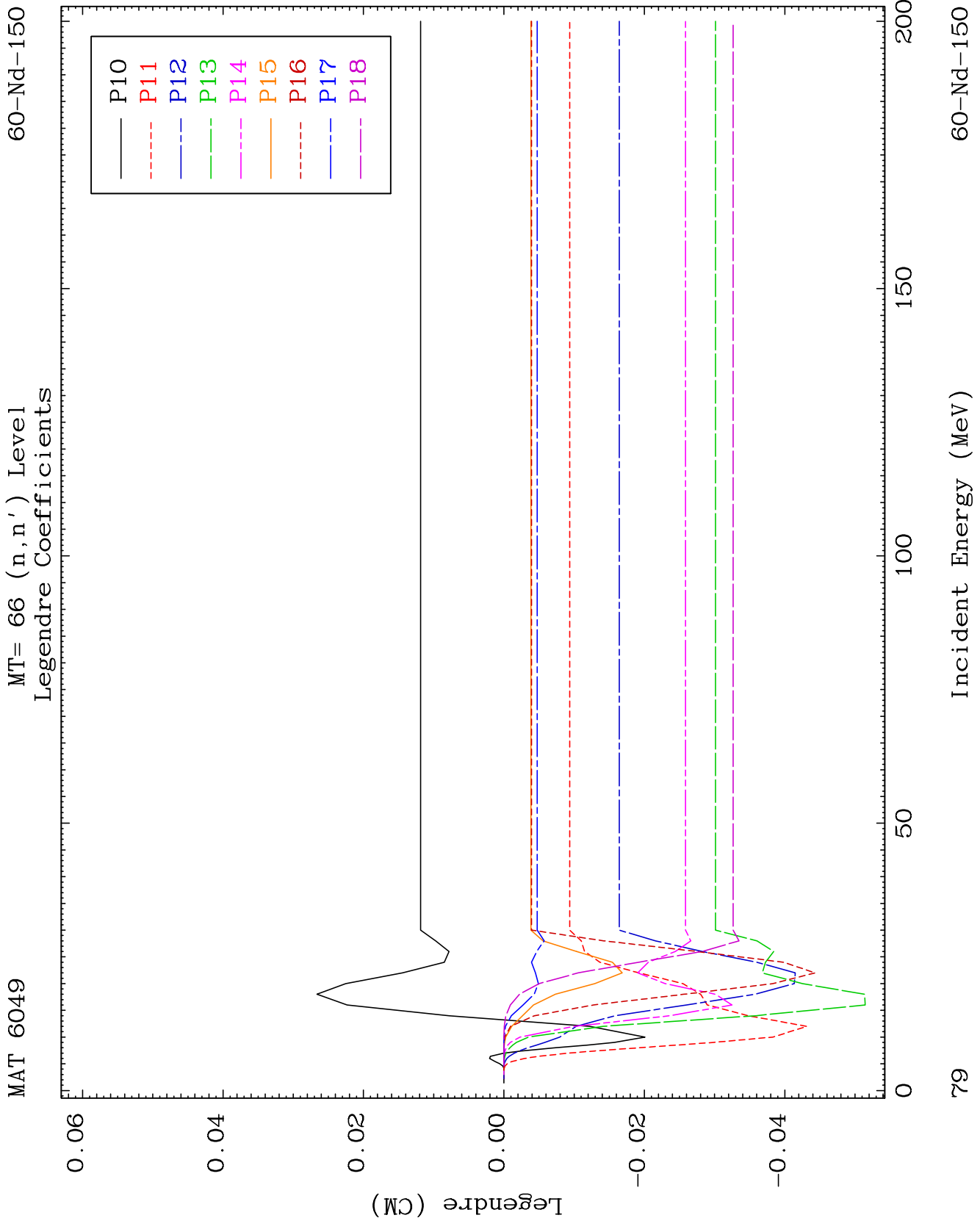
76

Incident Energy (MeV)

60-Nd-150



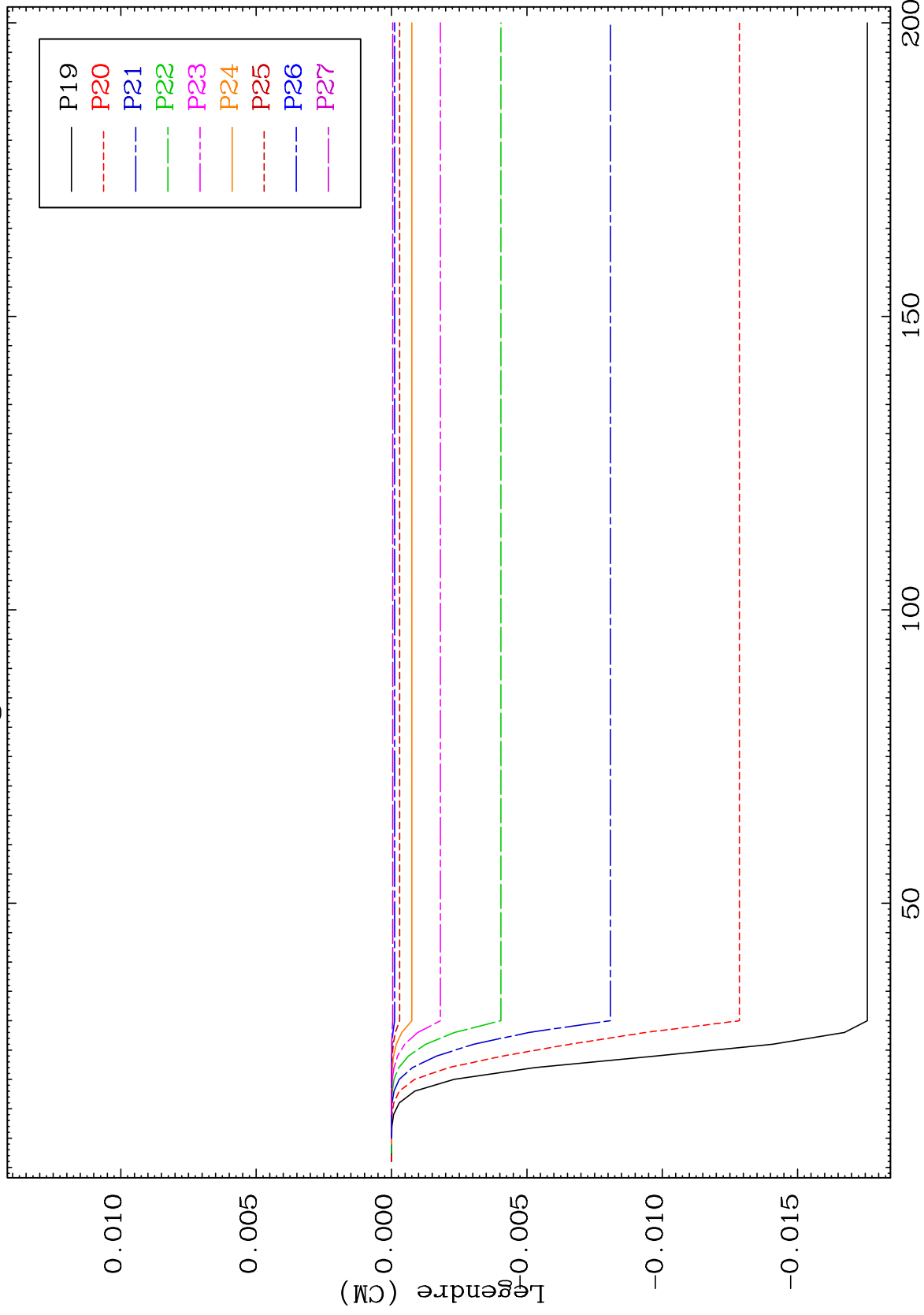




MAT 6049

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

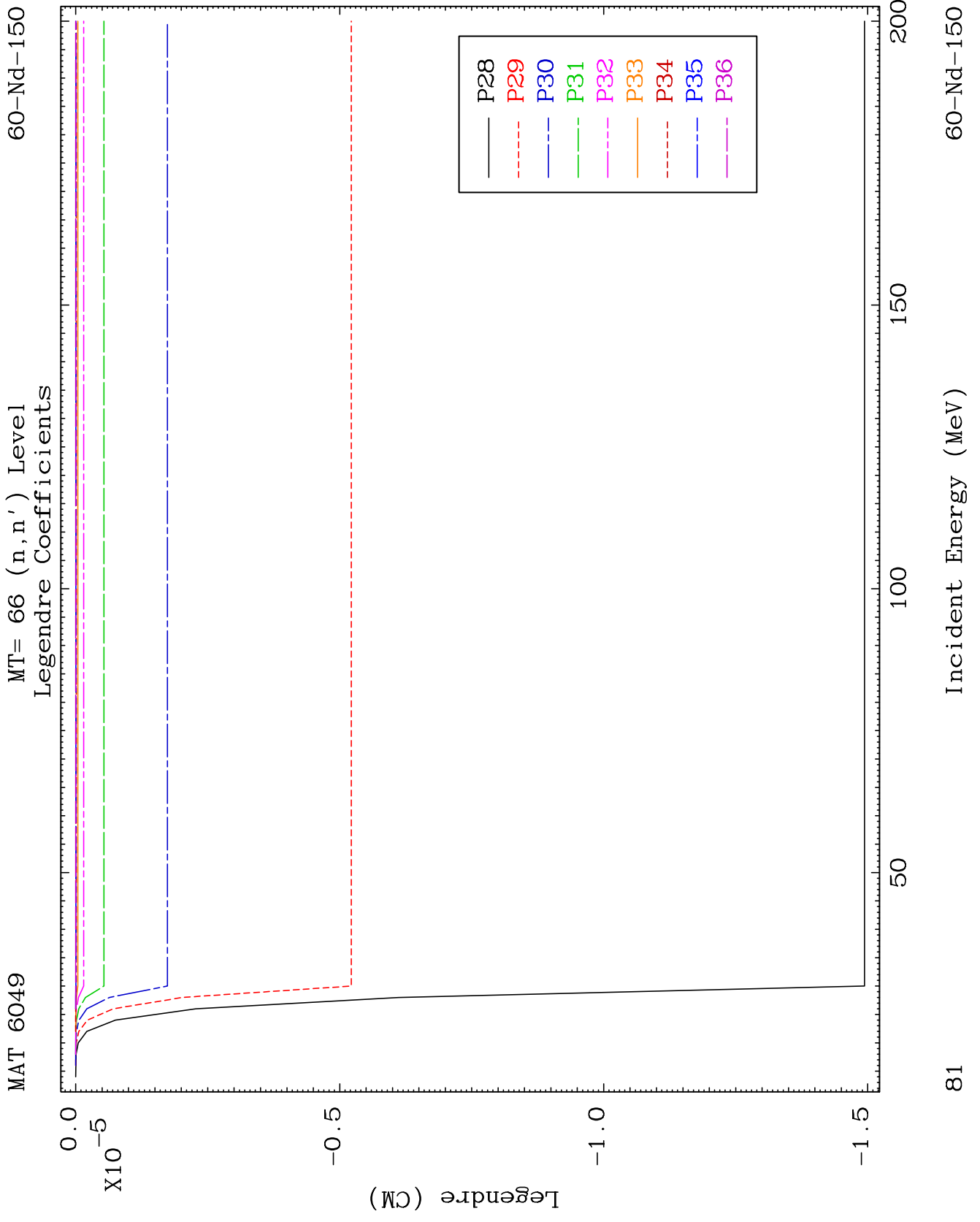
60-Nd-150



80

Incident Energy (MeV)

60-Nd-150

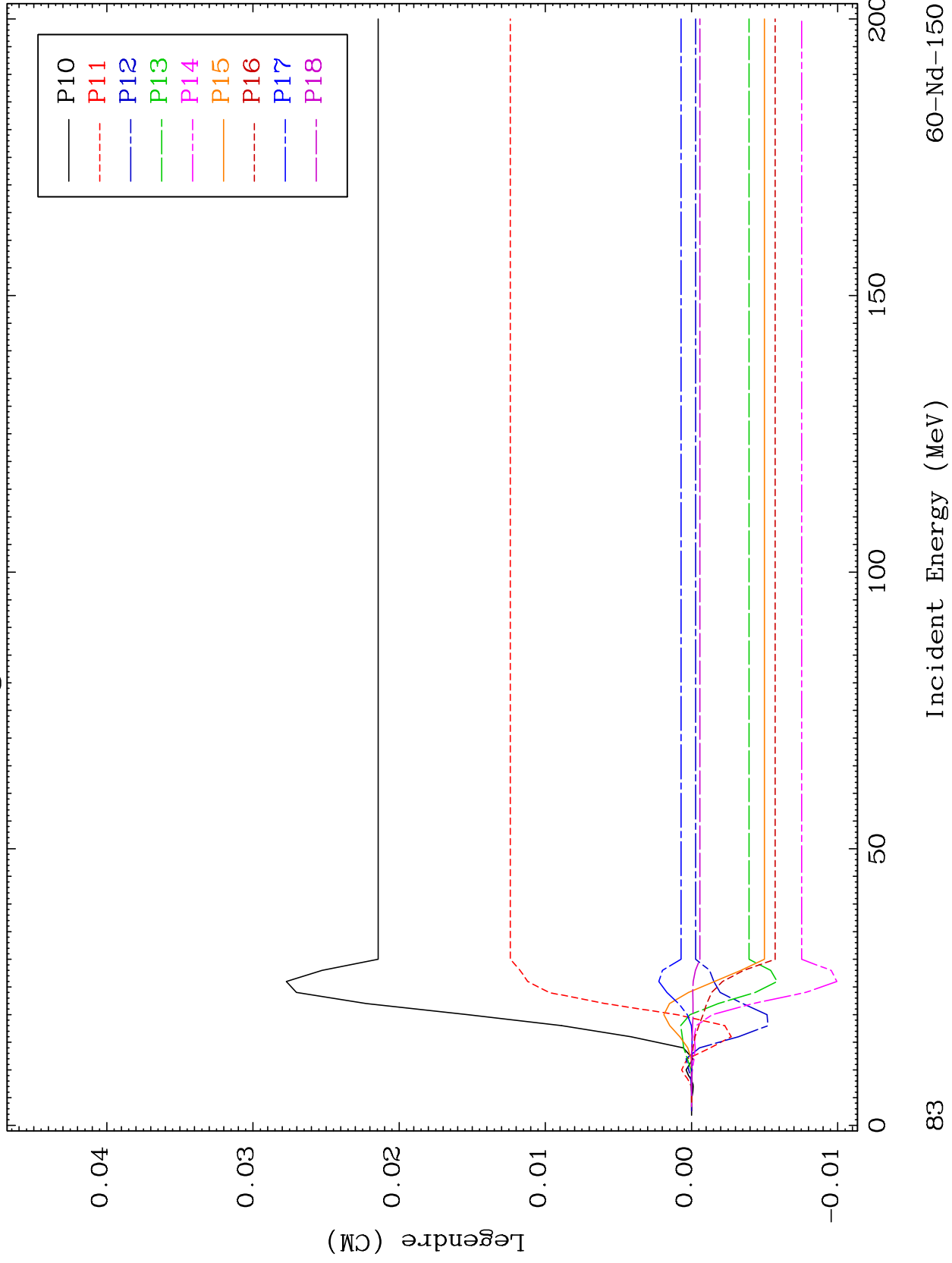




MAT 6049

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

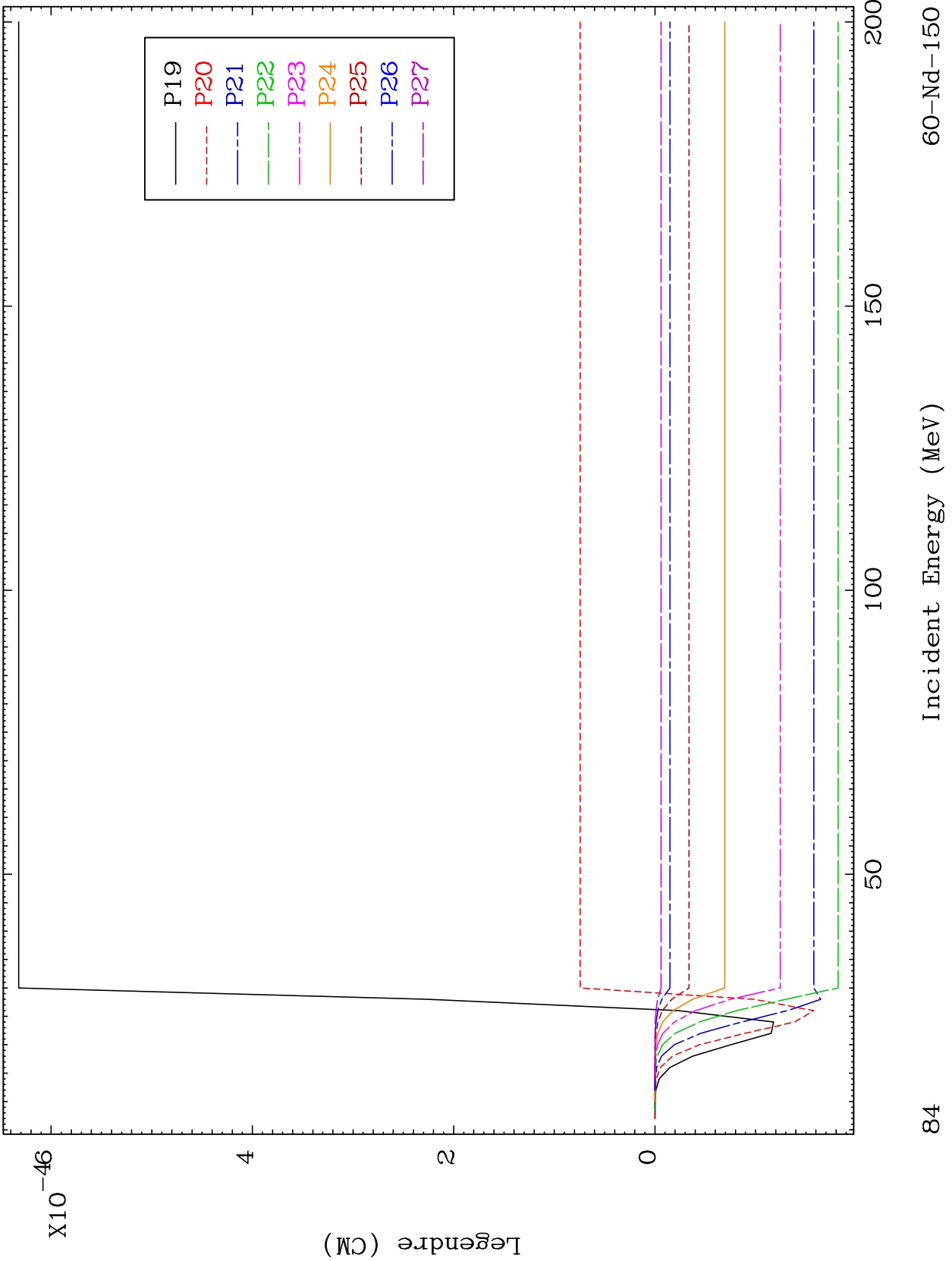
60-Nd-150

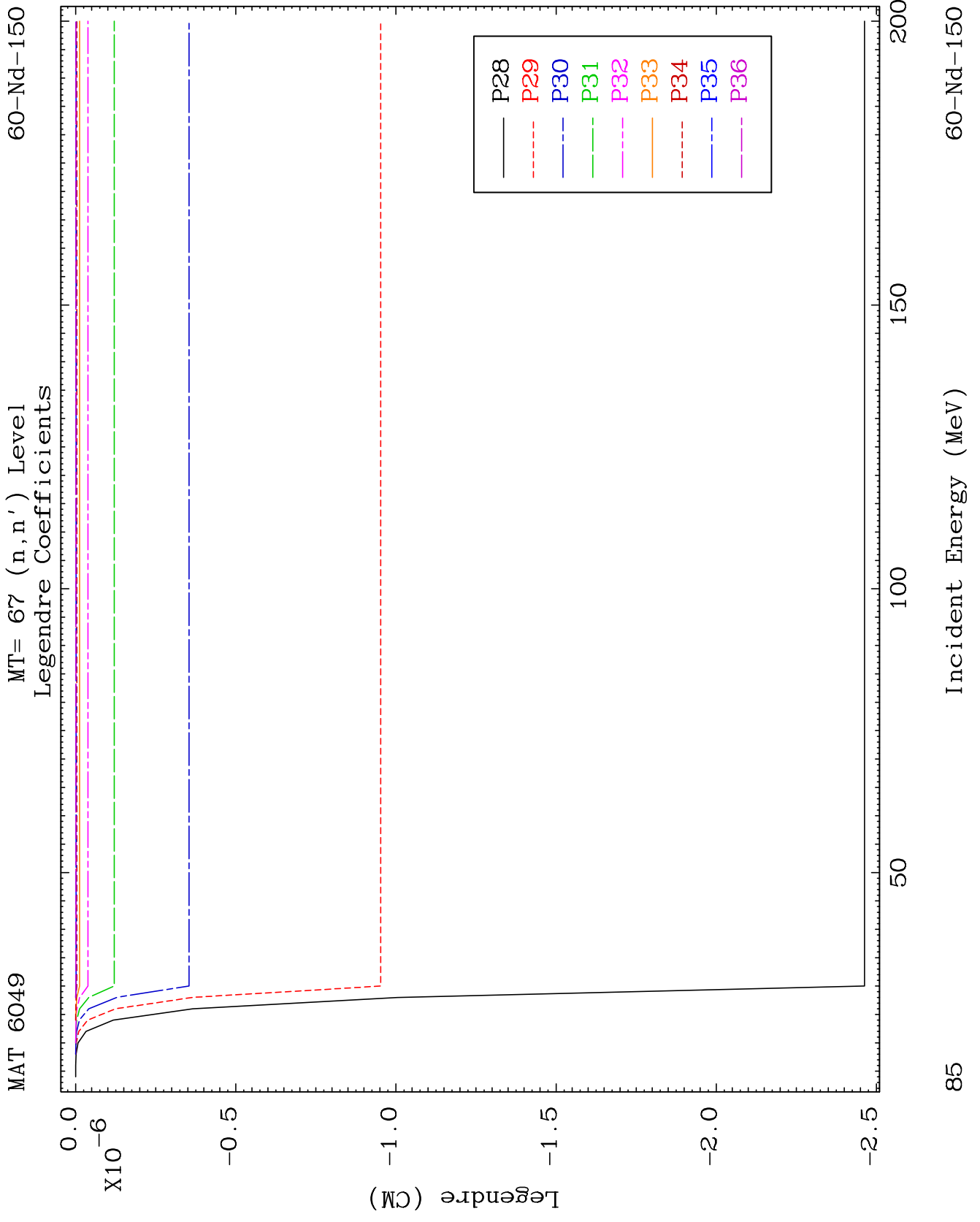


MAT 6049

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

60-Nd-150

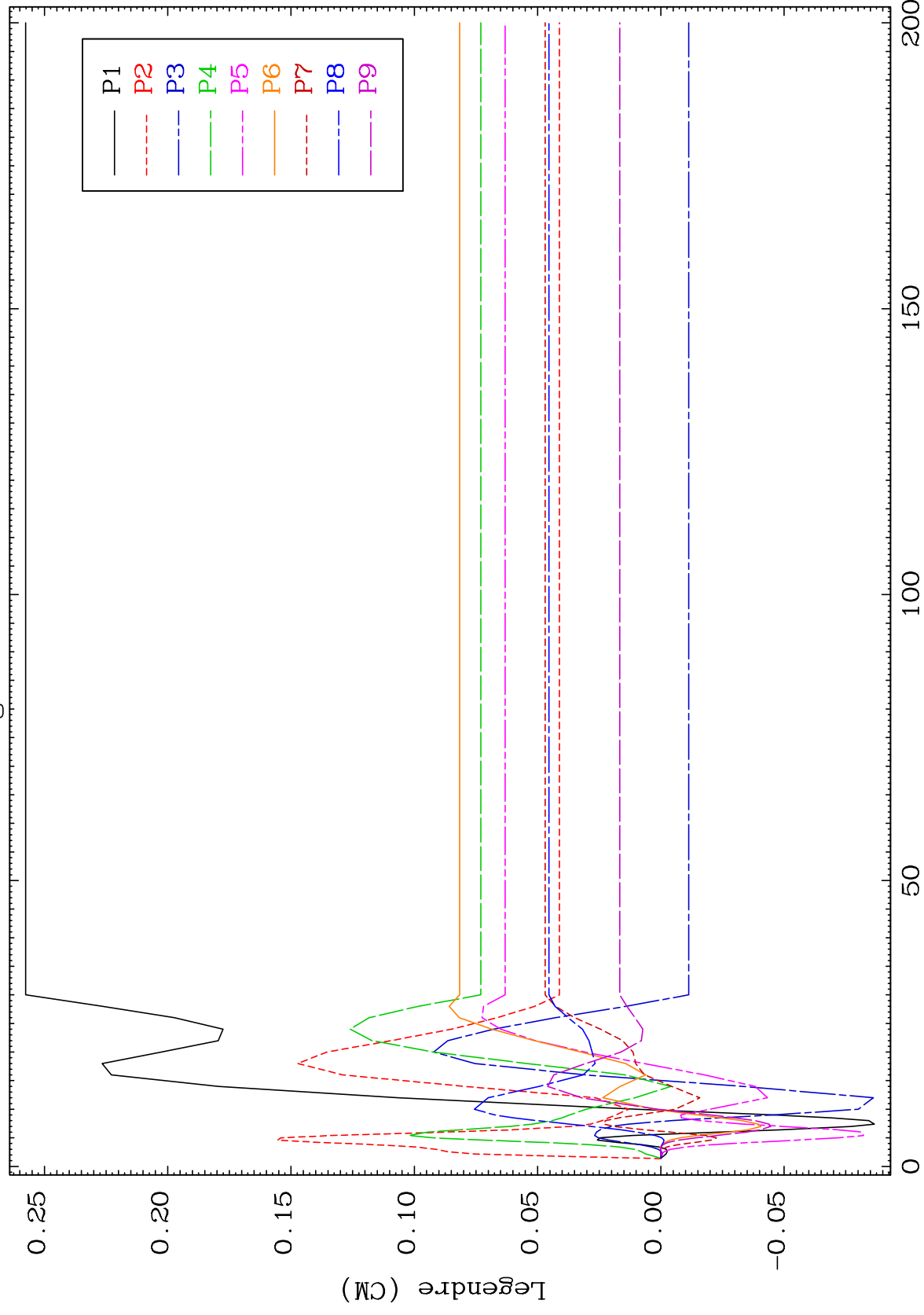




MAT 6049

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

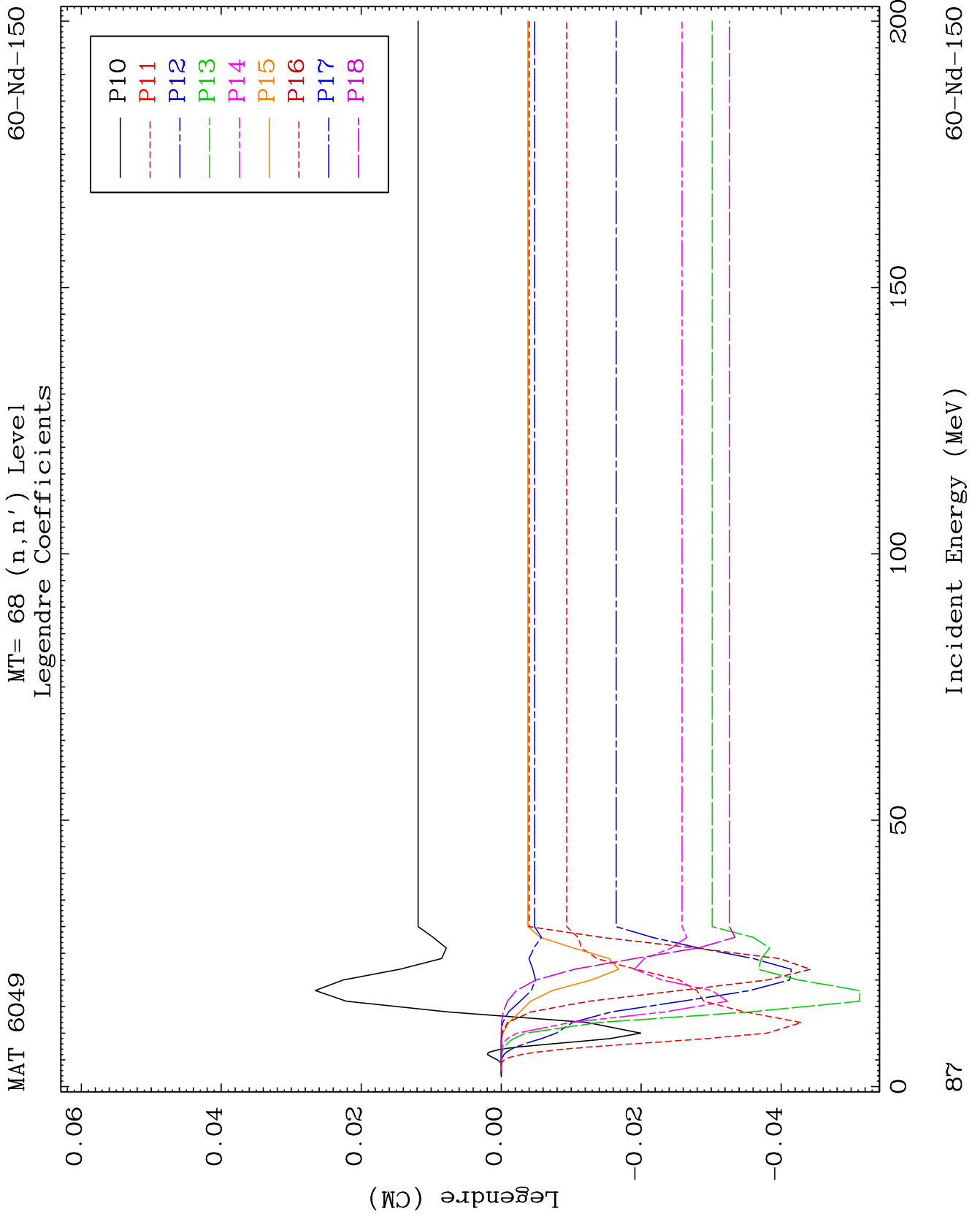
60-Nd-150



86

Incident Energy (MeV)

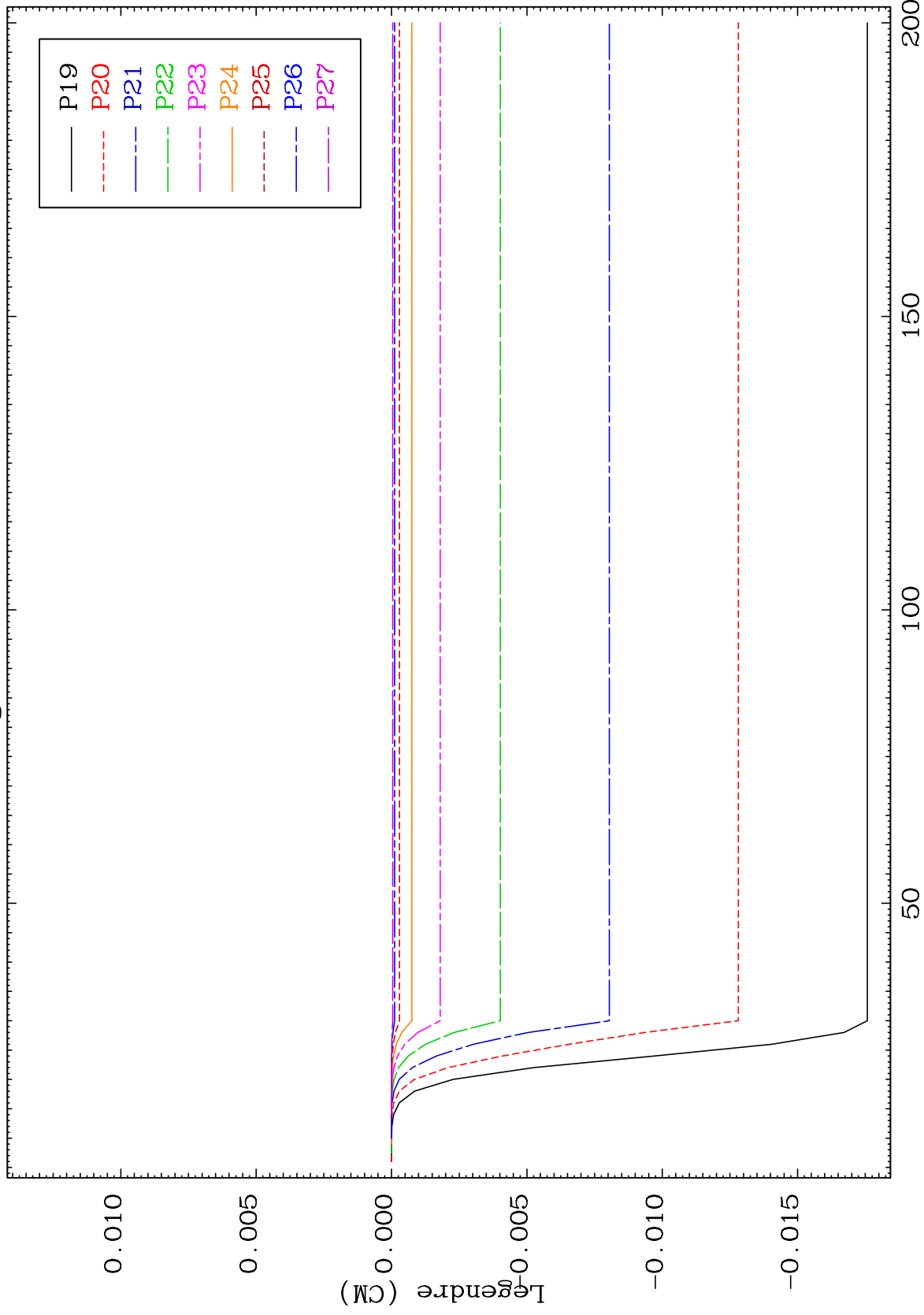
60-Nd-150



MAT 6049

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

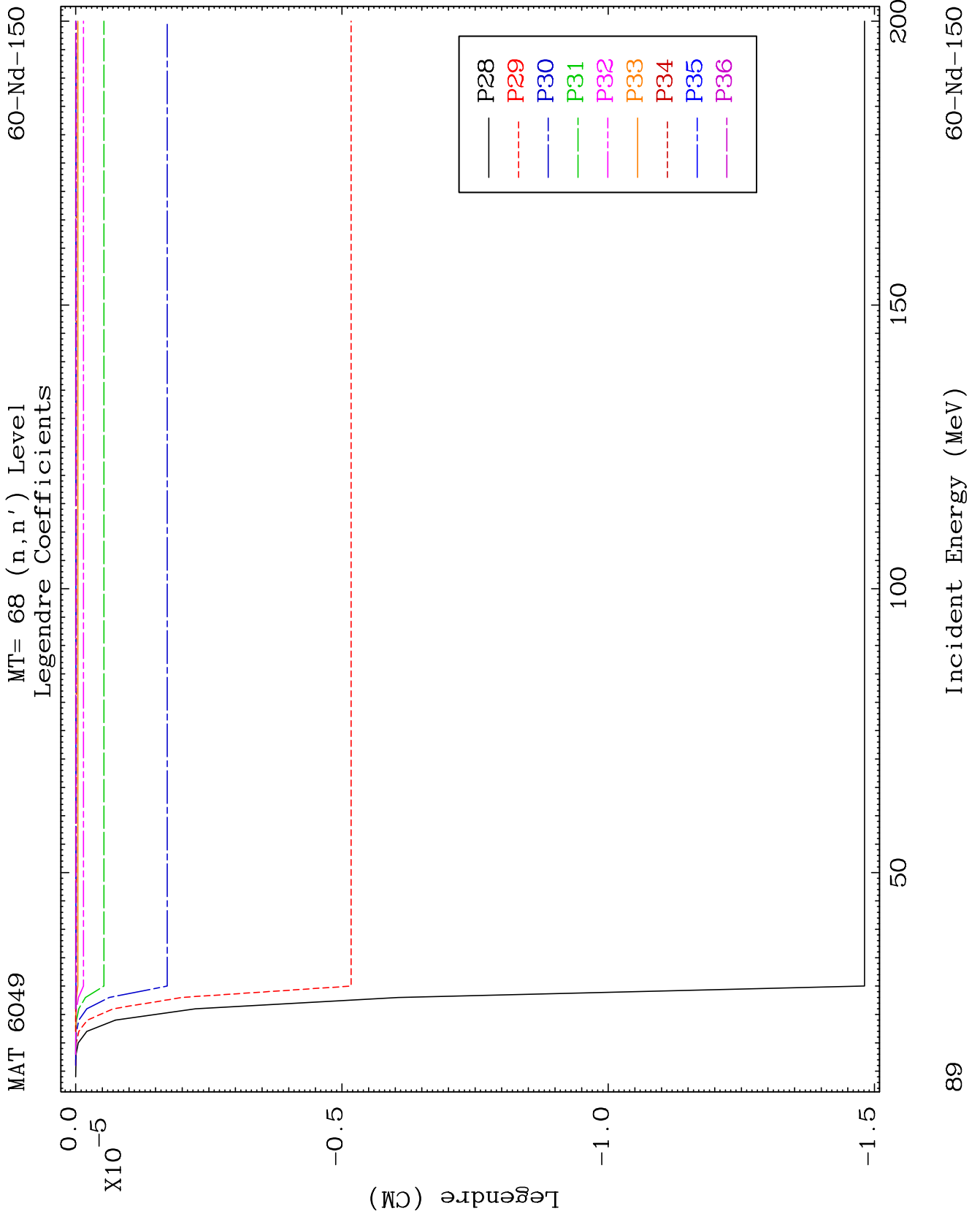
60-Nd-150

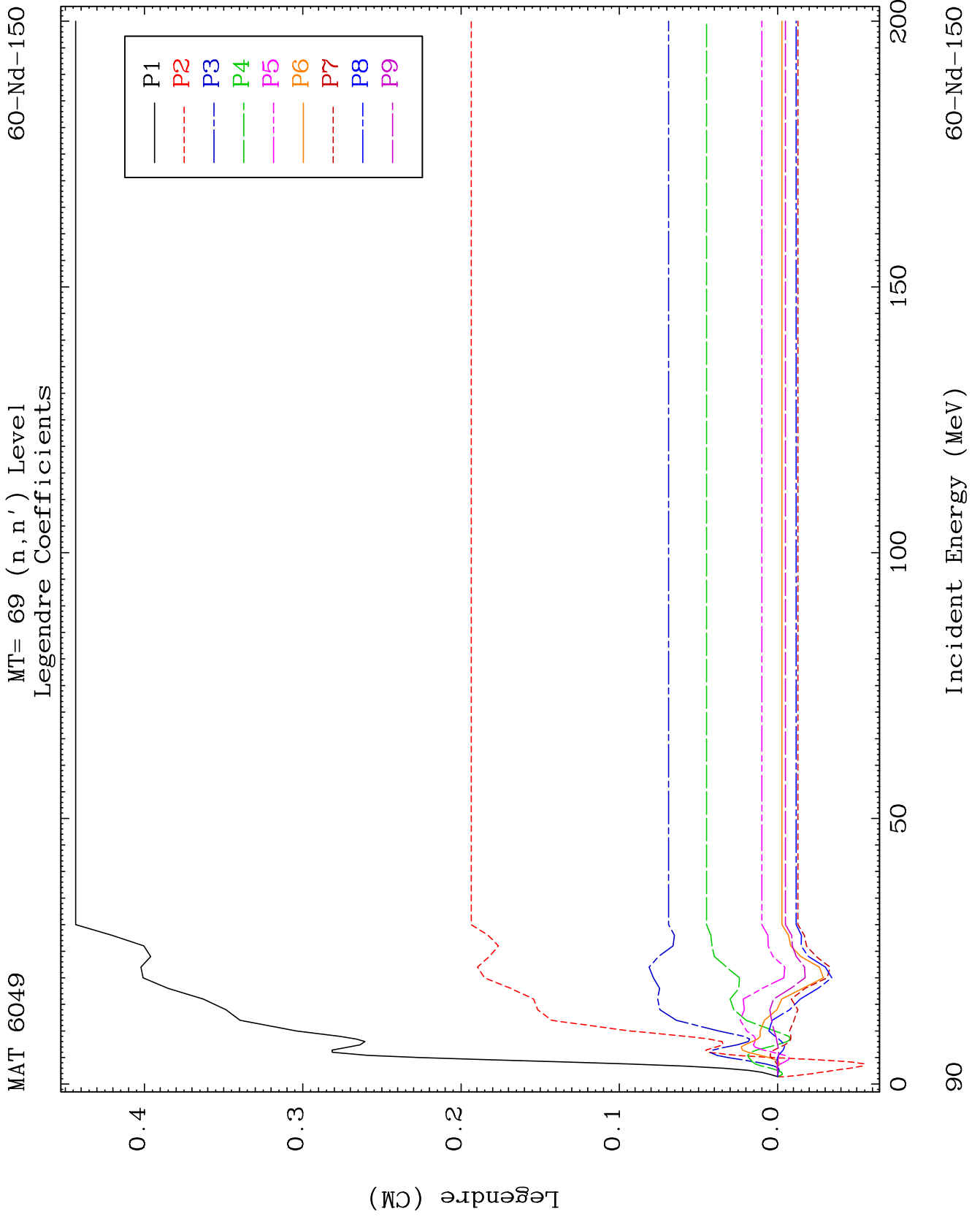


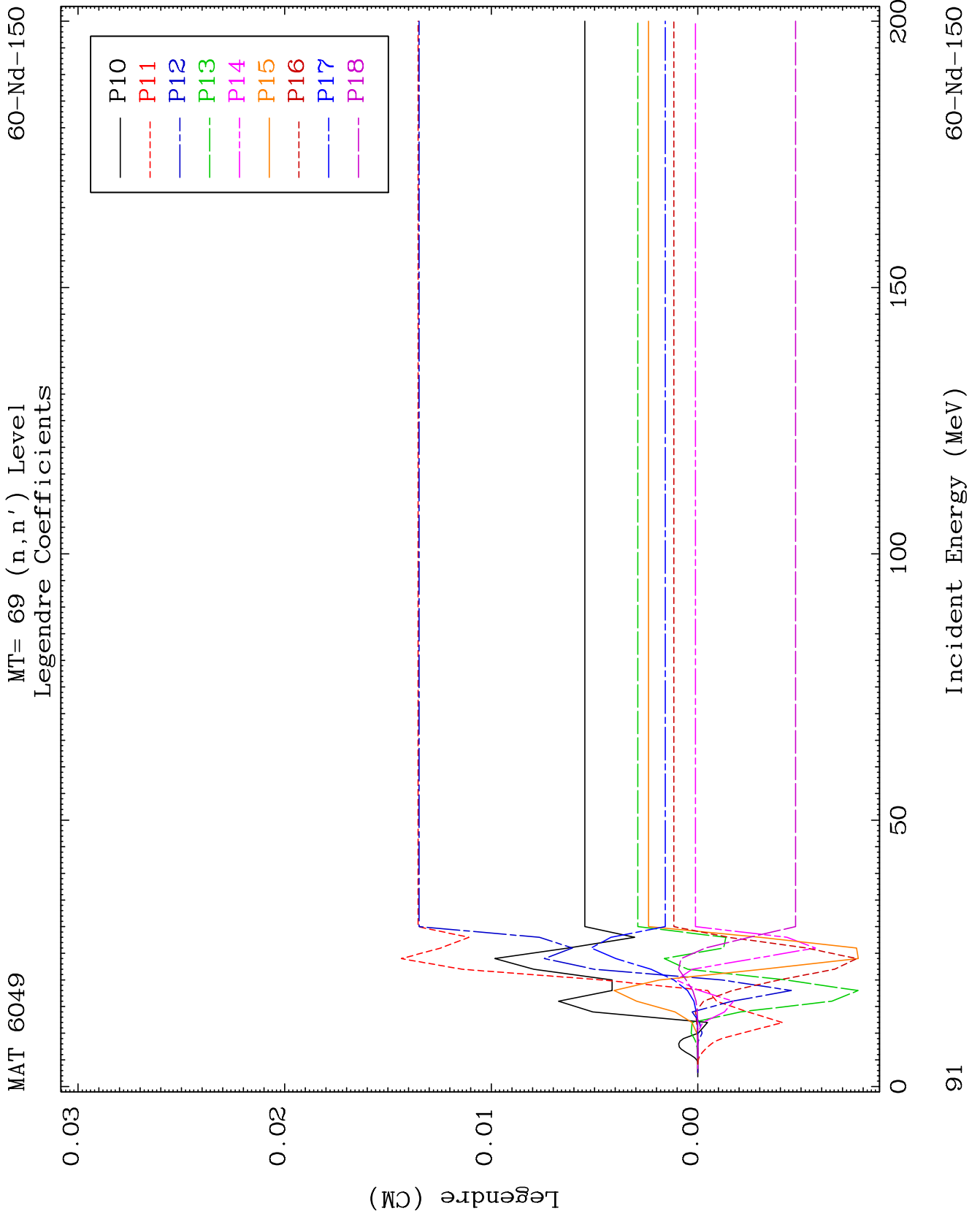
88

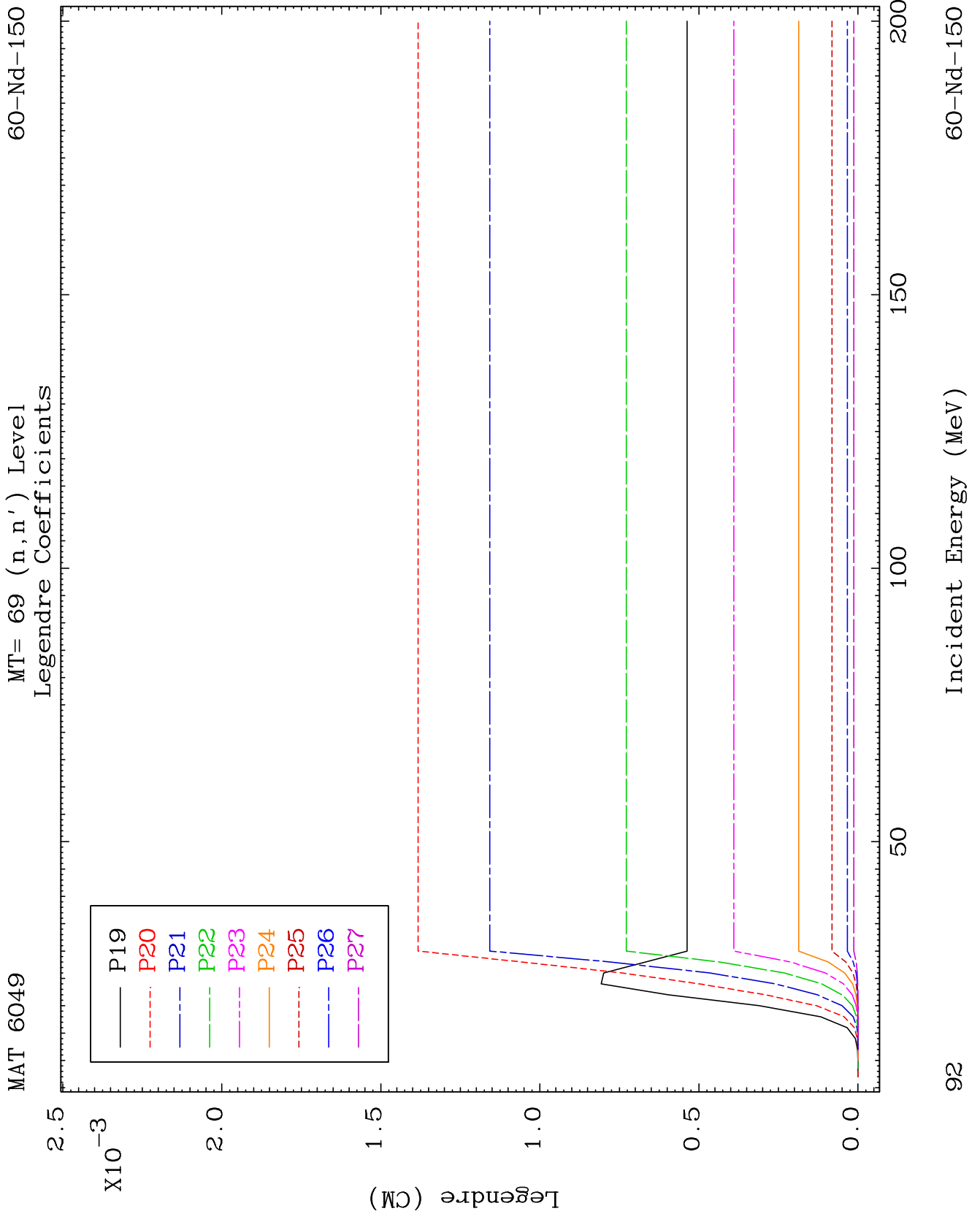
Incident Energy (MeV)

60-Nd-150





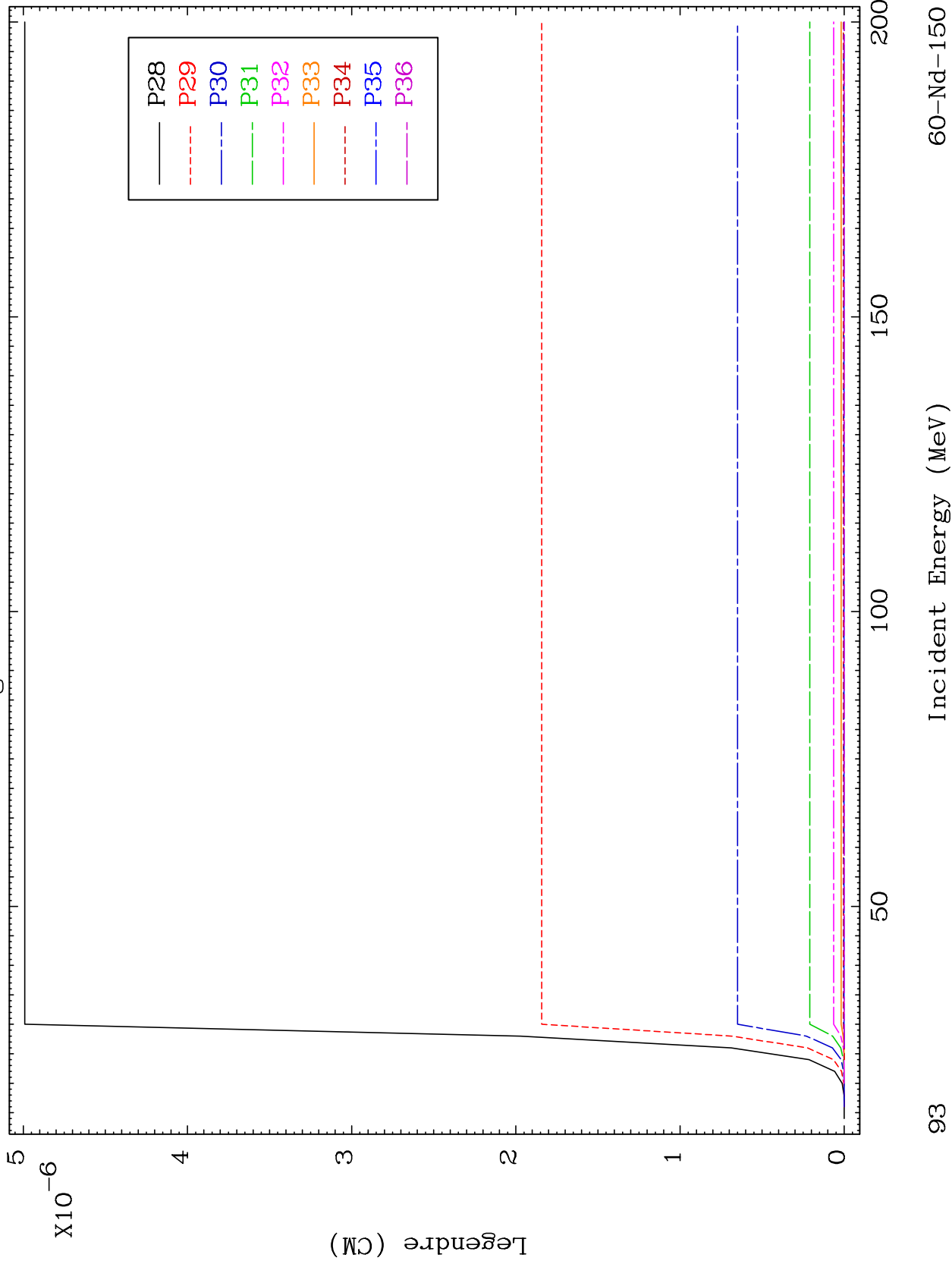


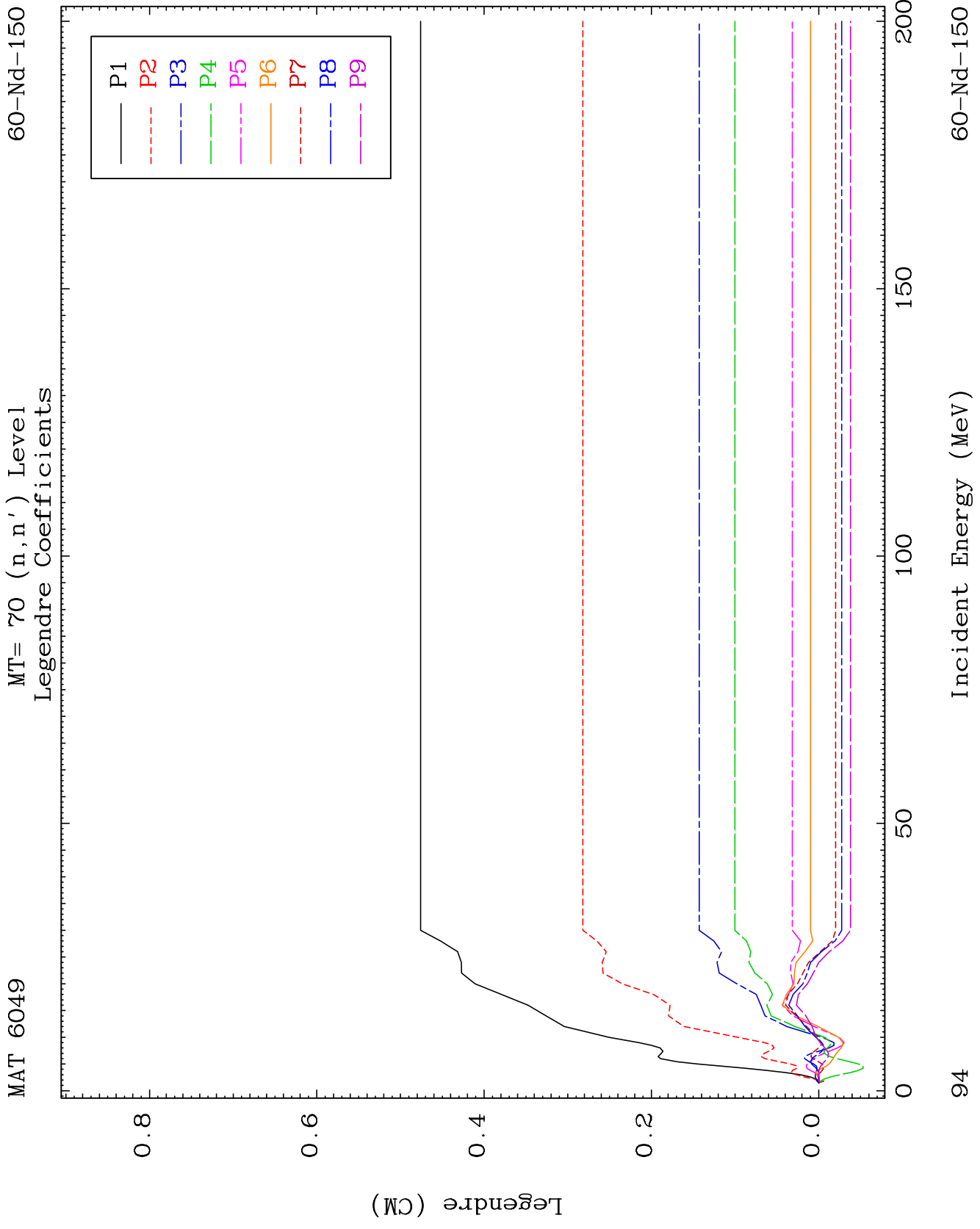


MAT 6049

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

60-Nd-150

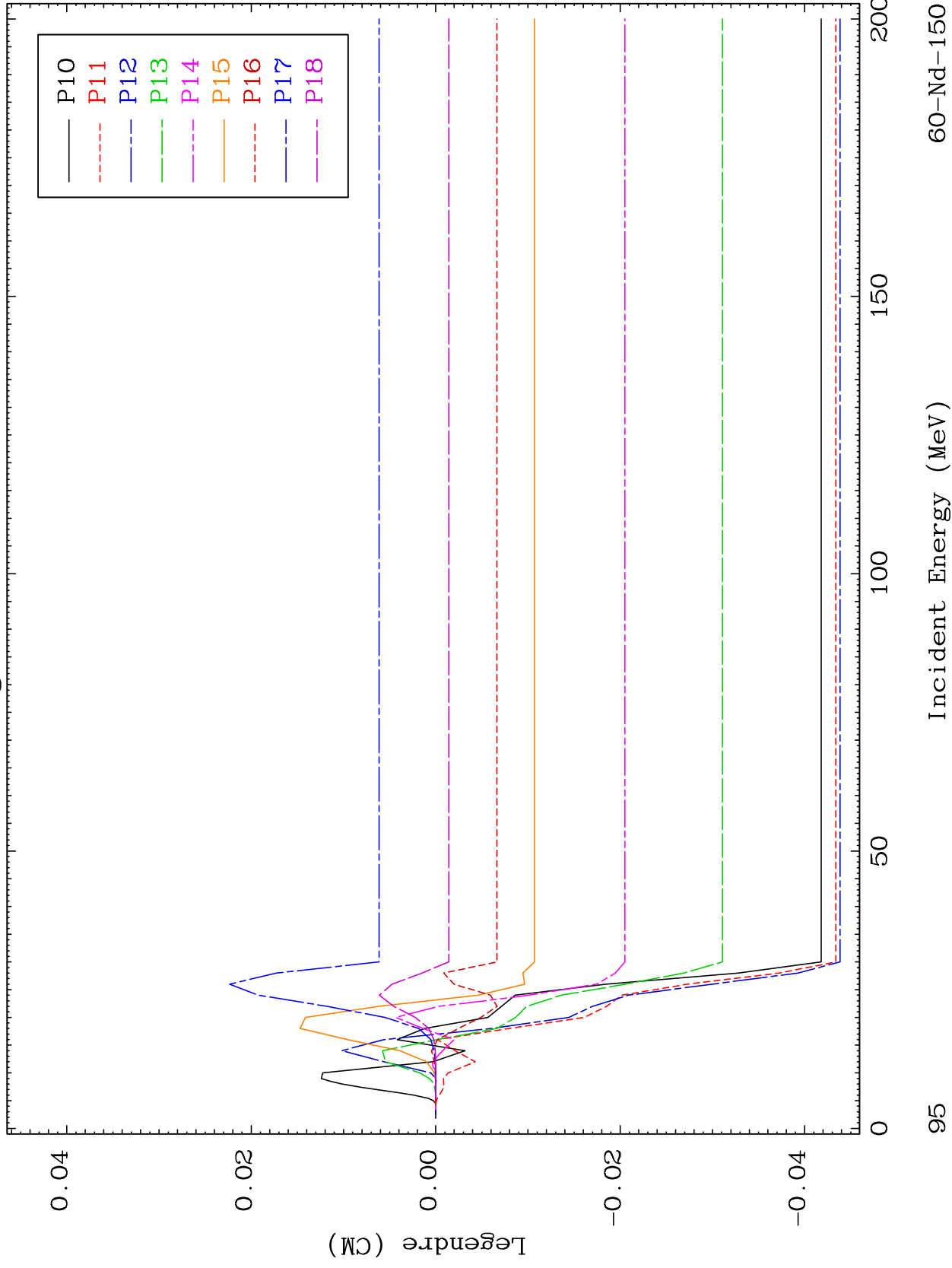




MAT 6049

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

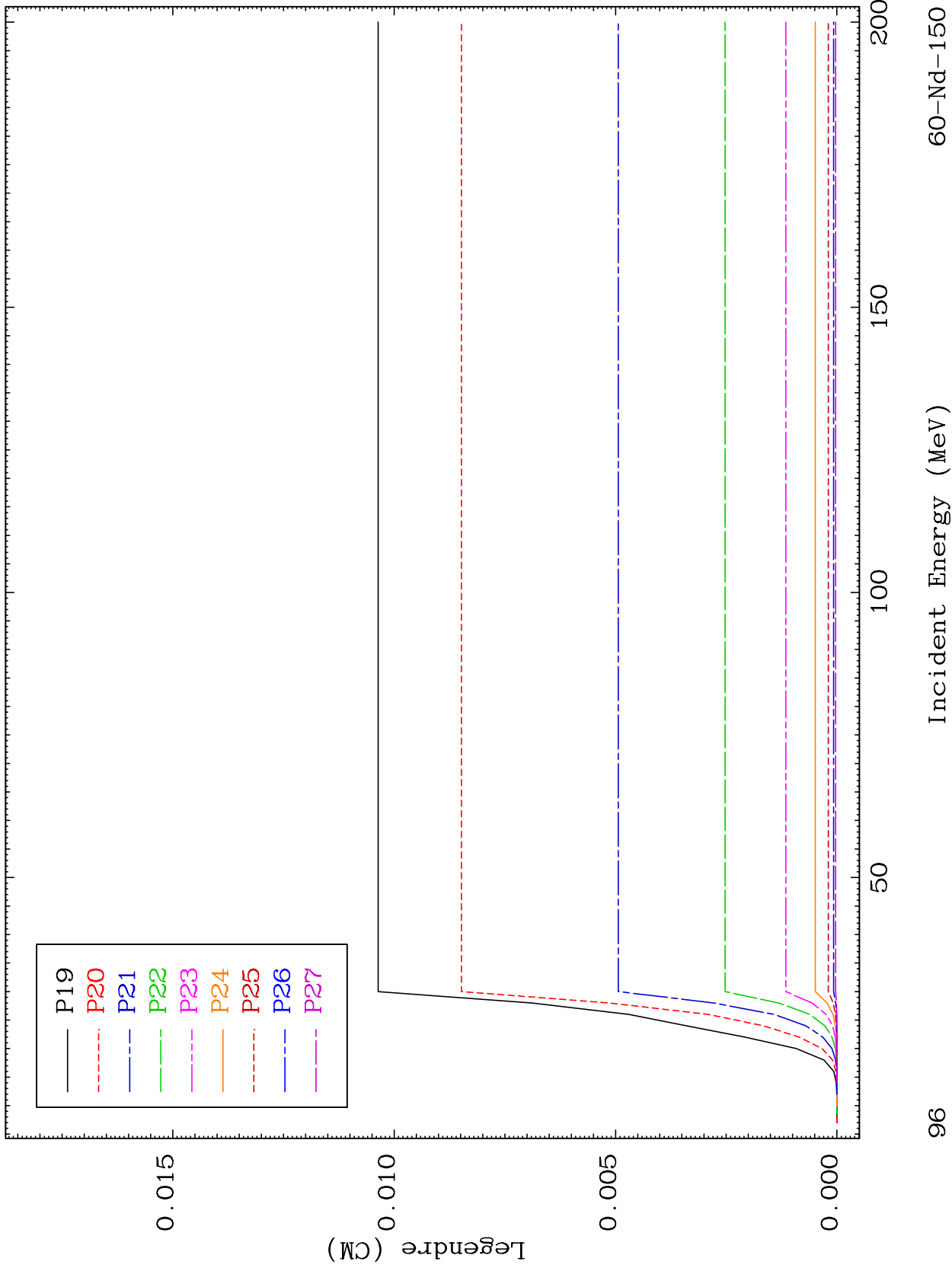
60-Nd-150



MAT 6049

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

60-Nd-150



96

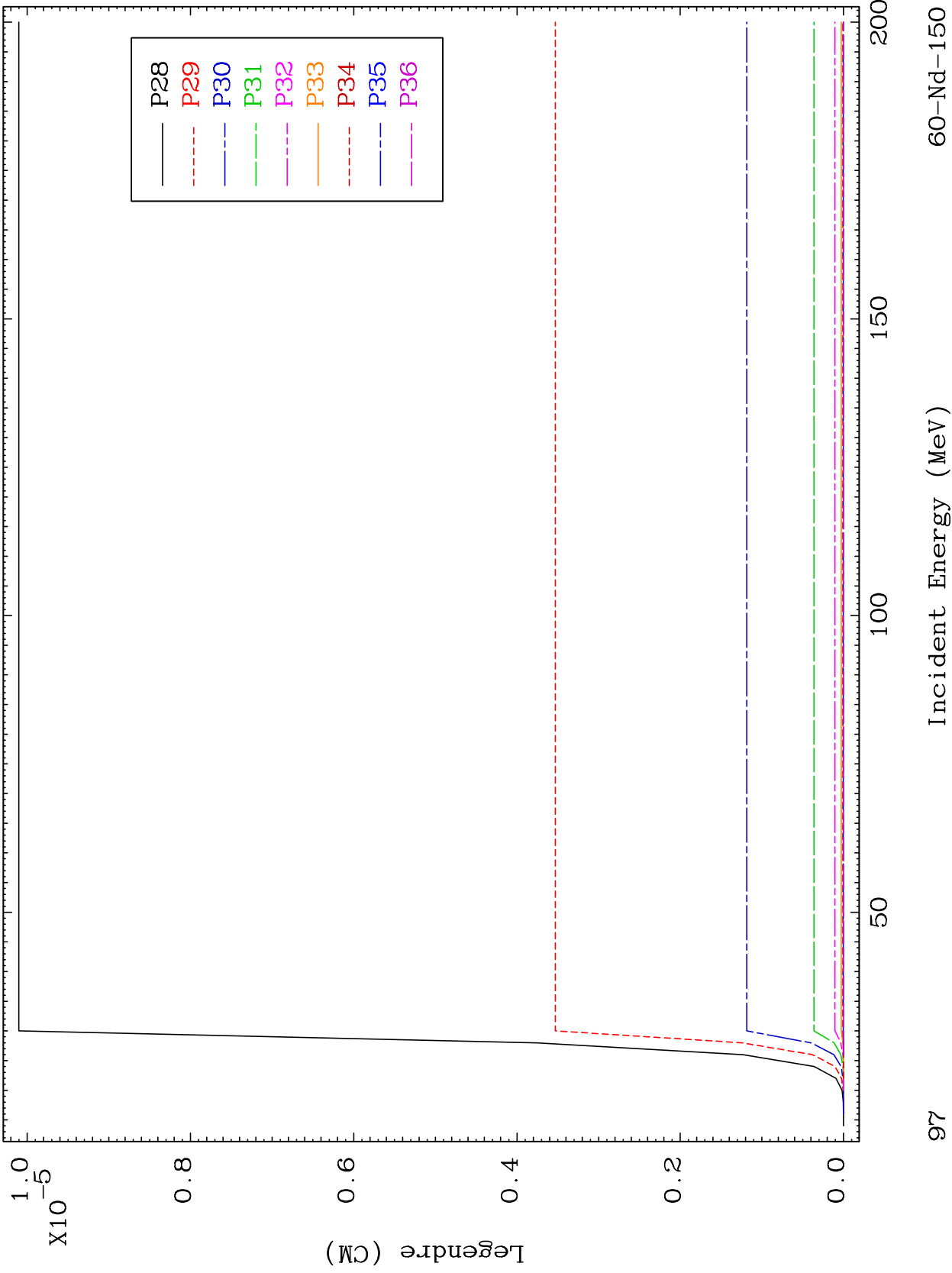
Incident Energy (MeV)

60-Nd-150

MAT 6049

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

60-Nd-150



97

Incident Energy (MeV)

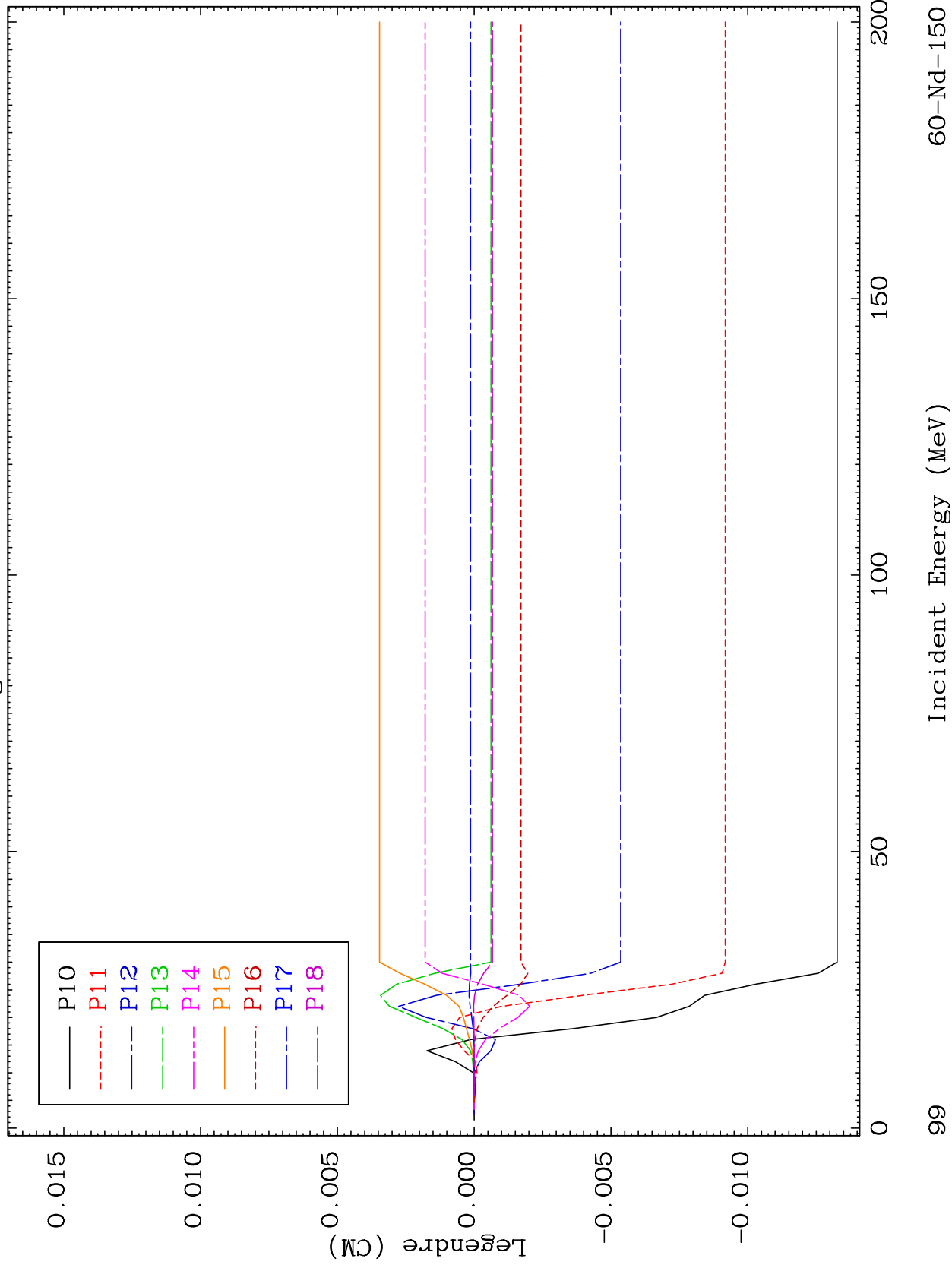
60-Nd-150



MAT 6049

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

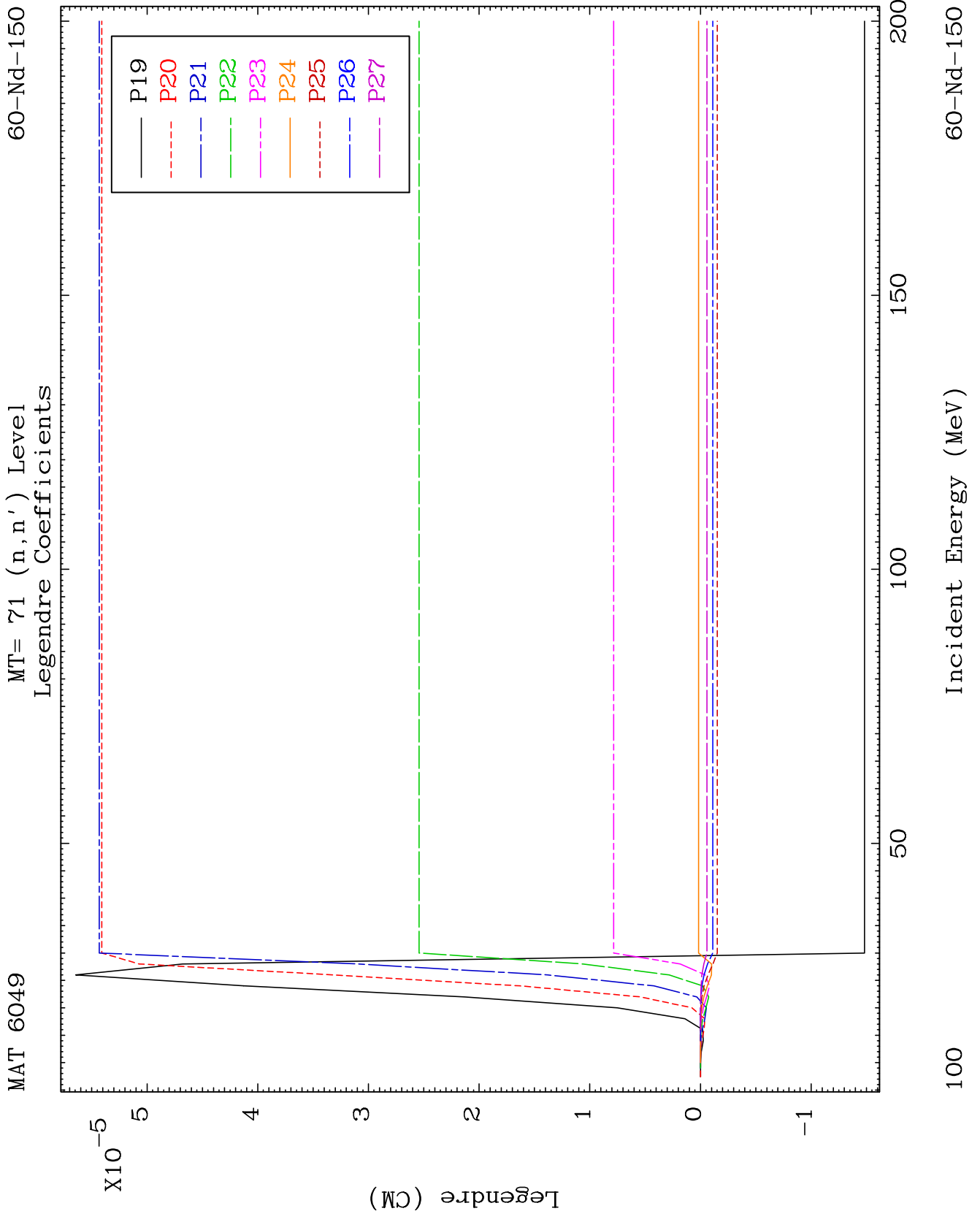
60-Nd-150

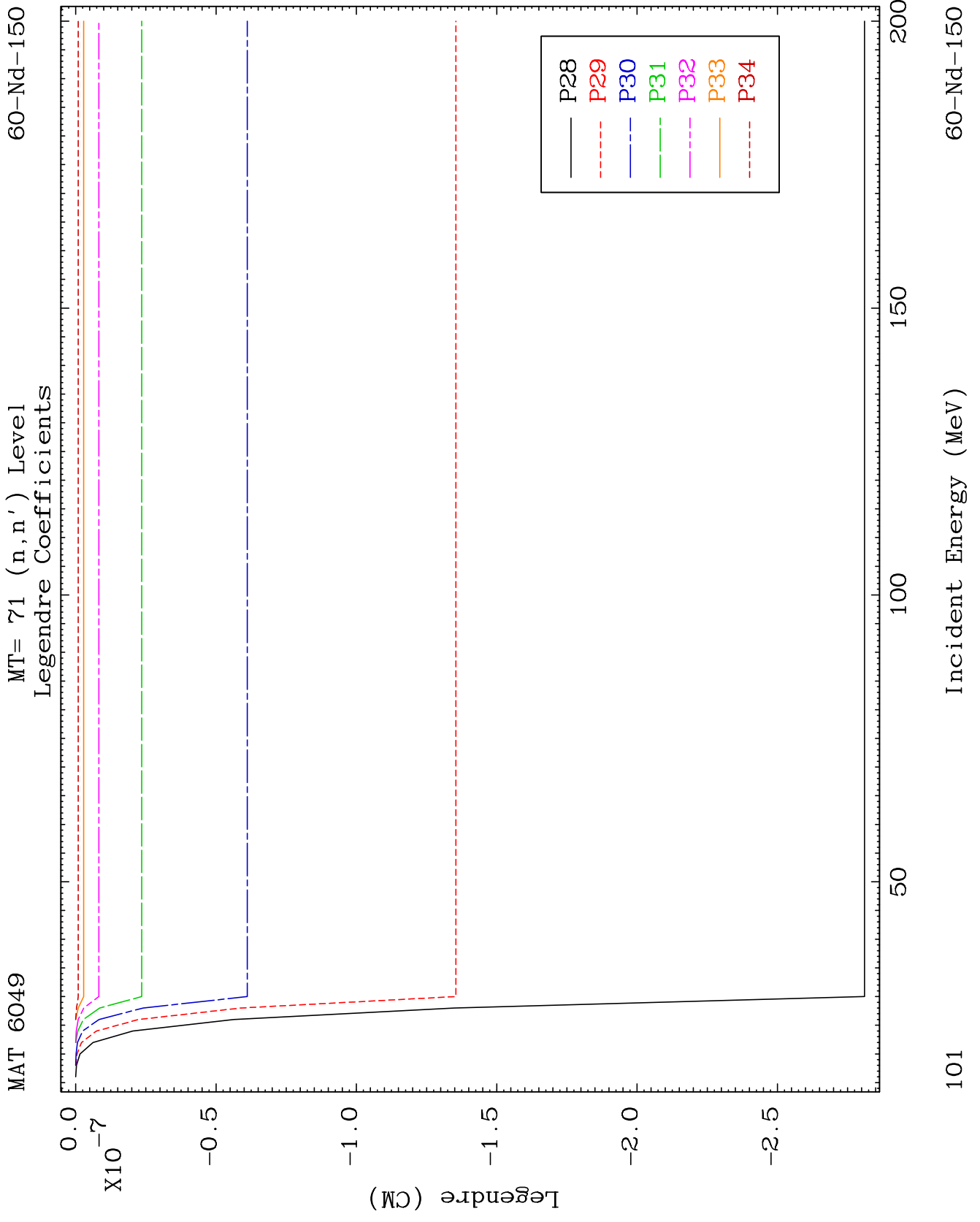


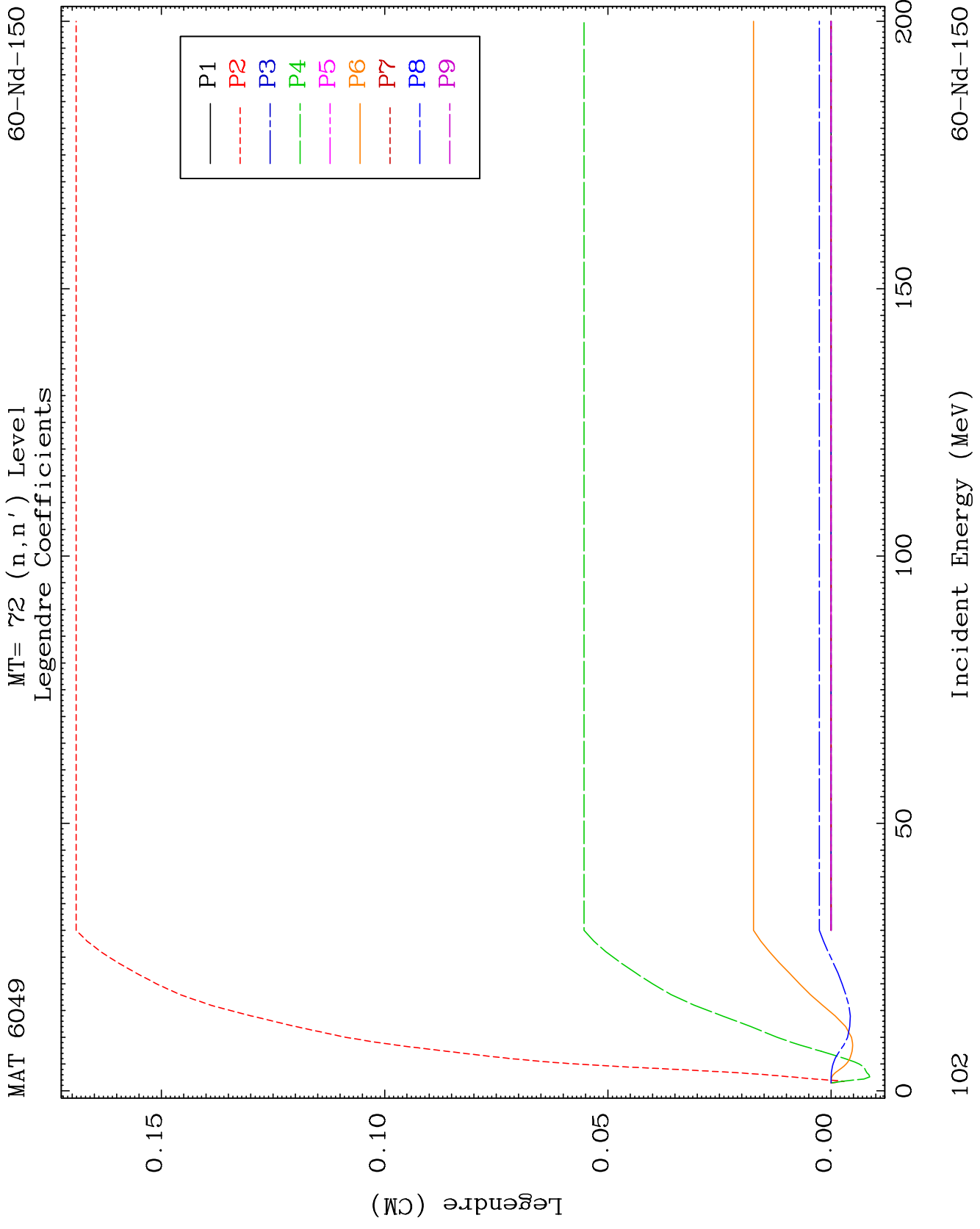
99

Incident Energy (MeV)

60-Nd-150



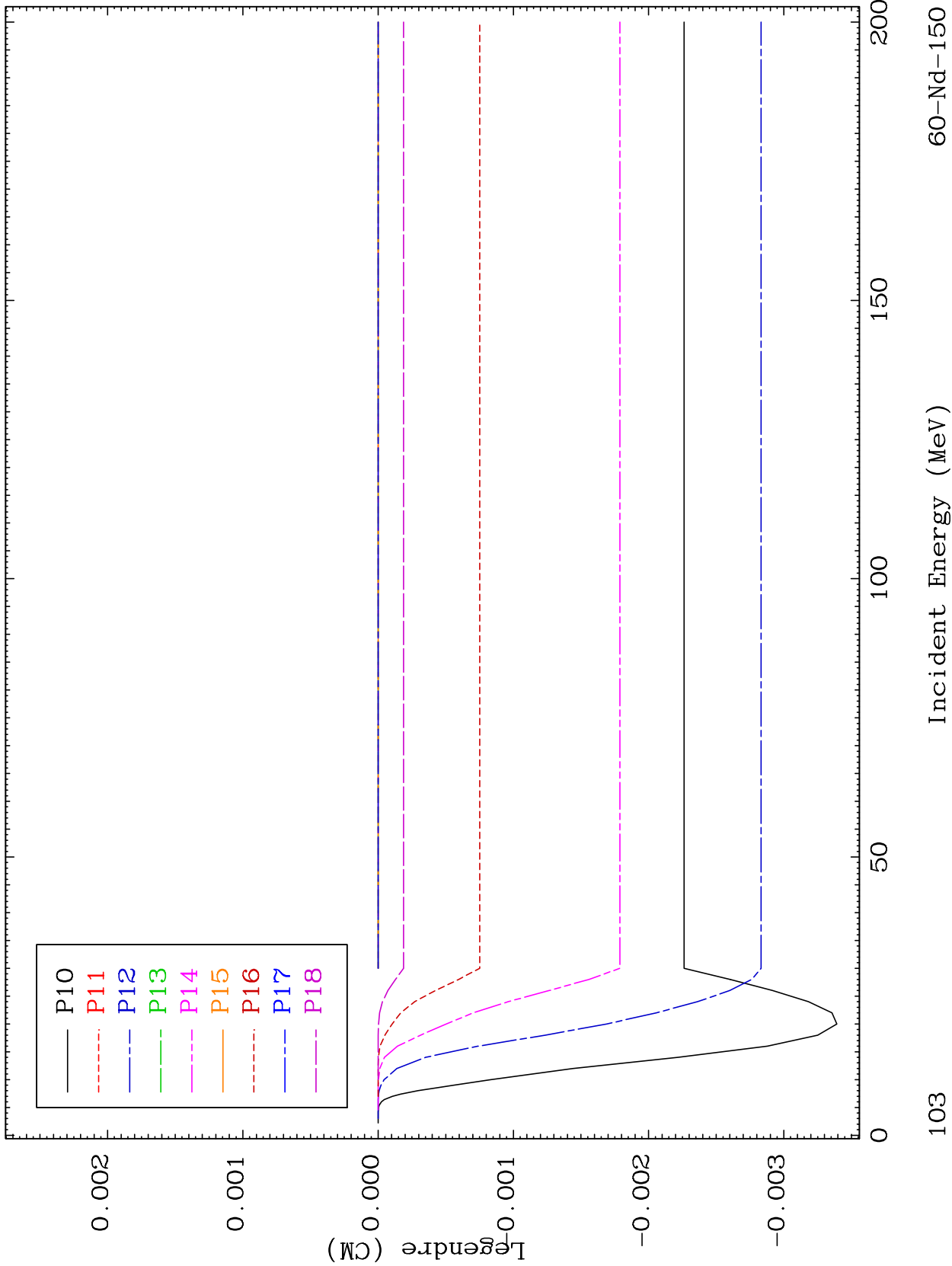




MAT 6049

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

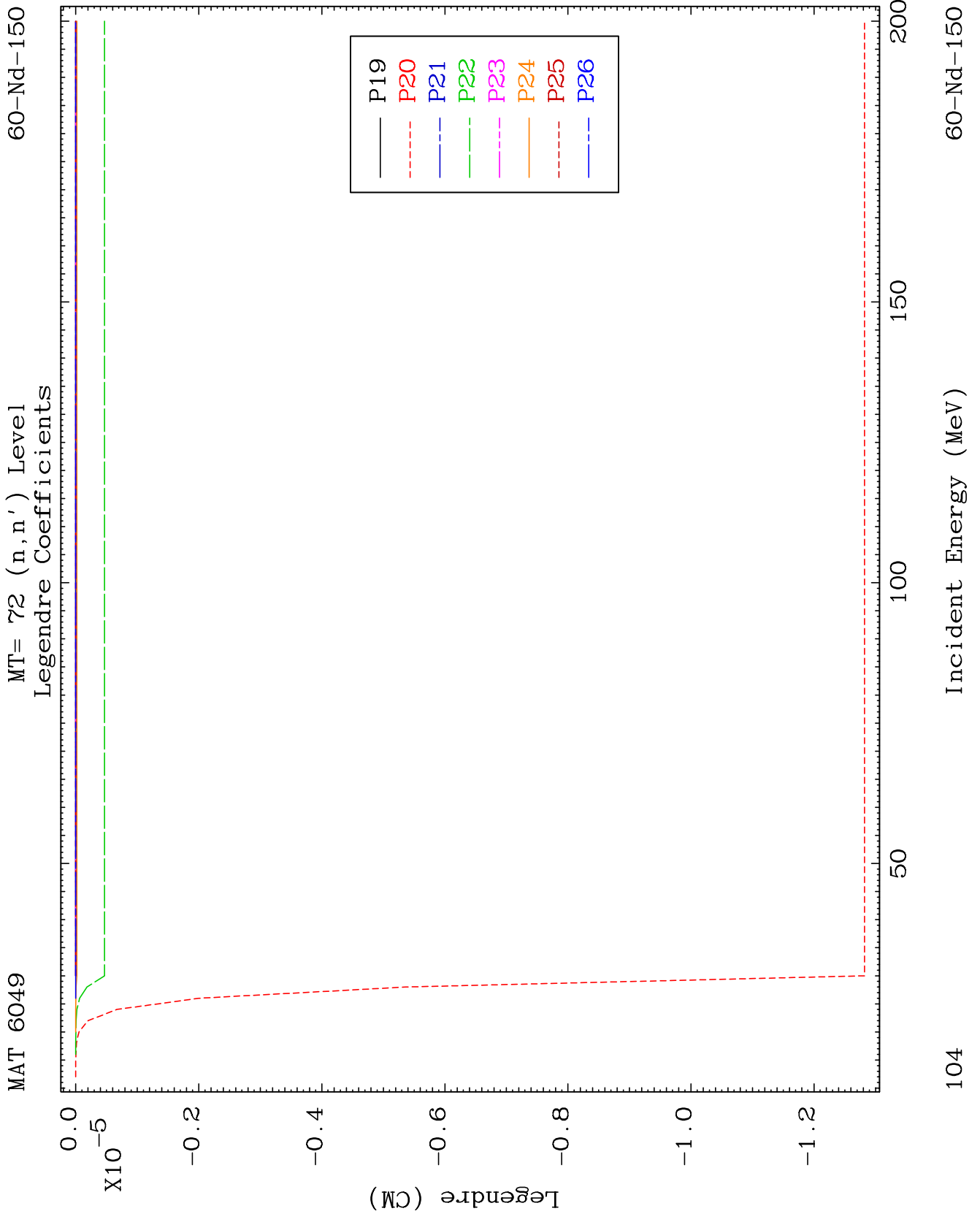
60-Nd-150

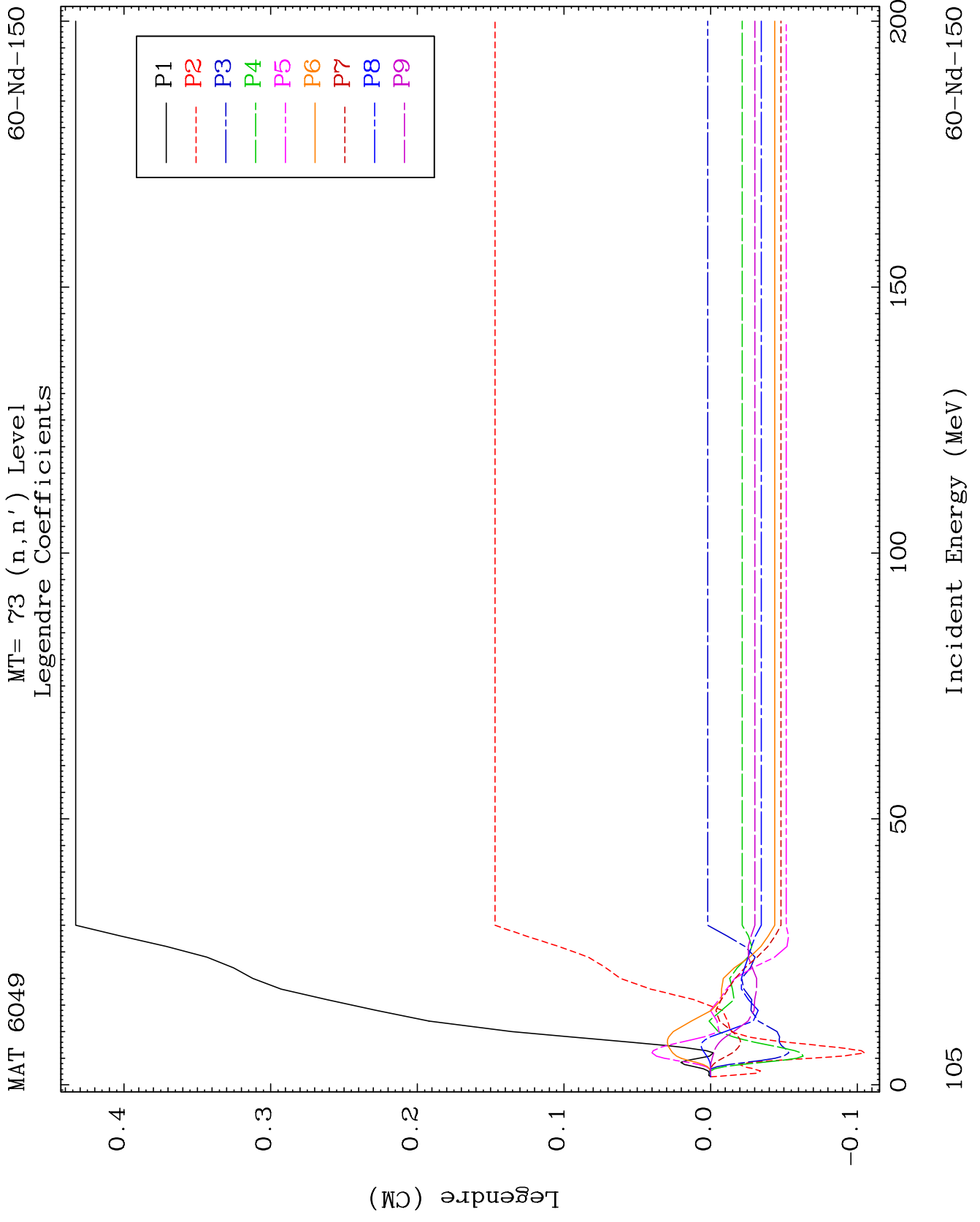


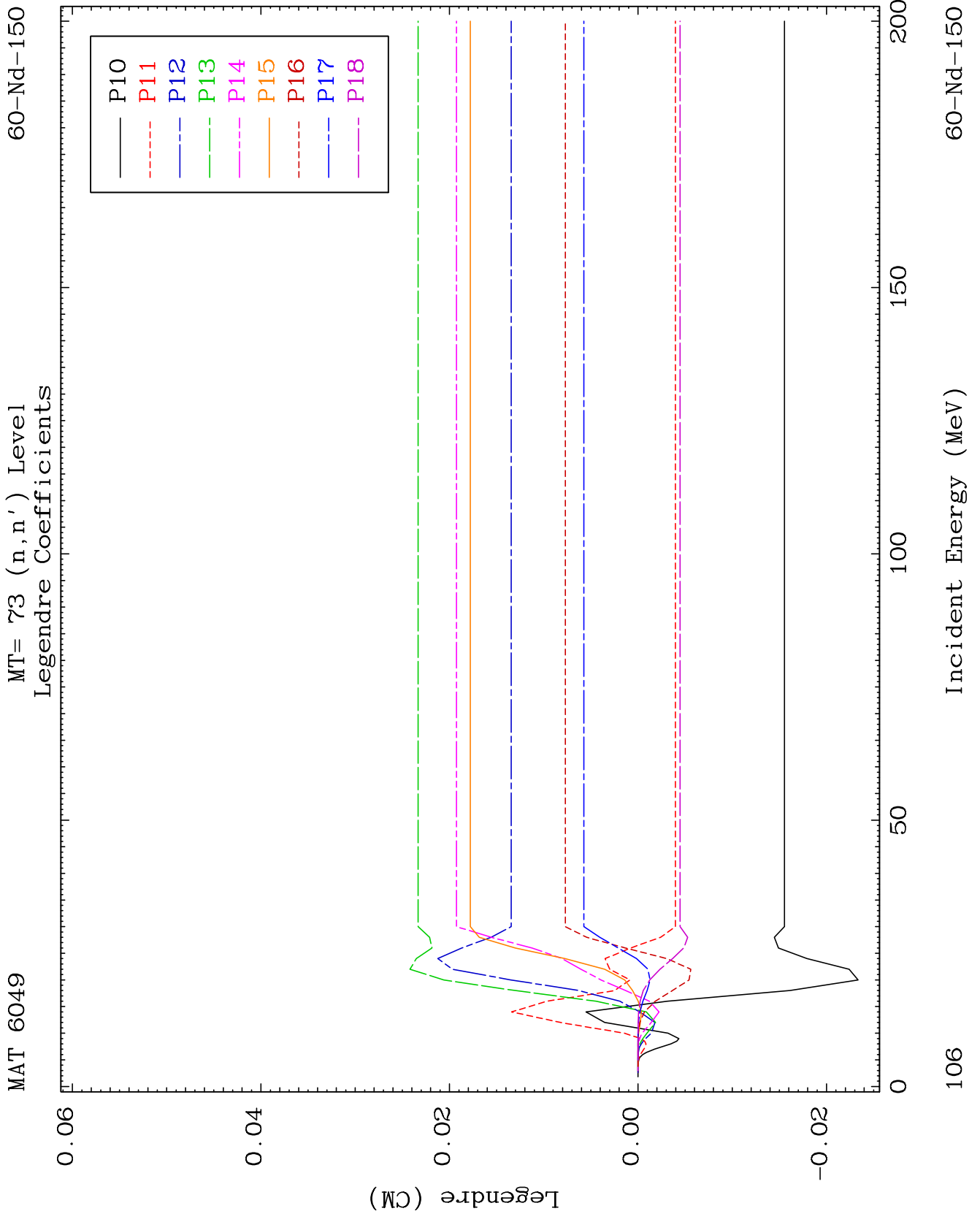
103

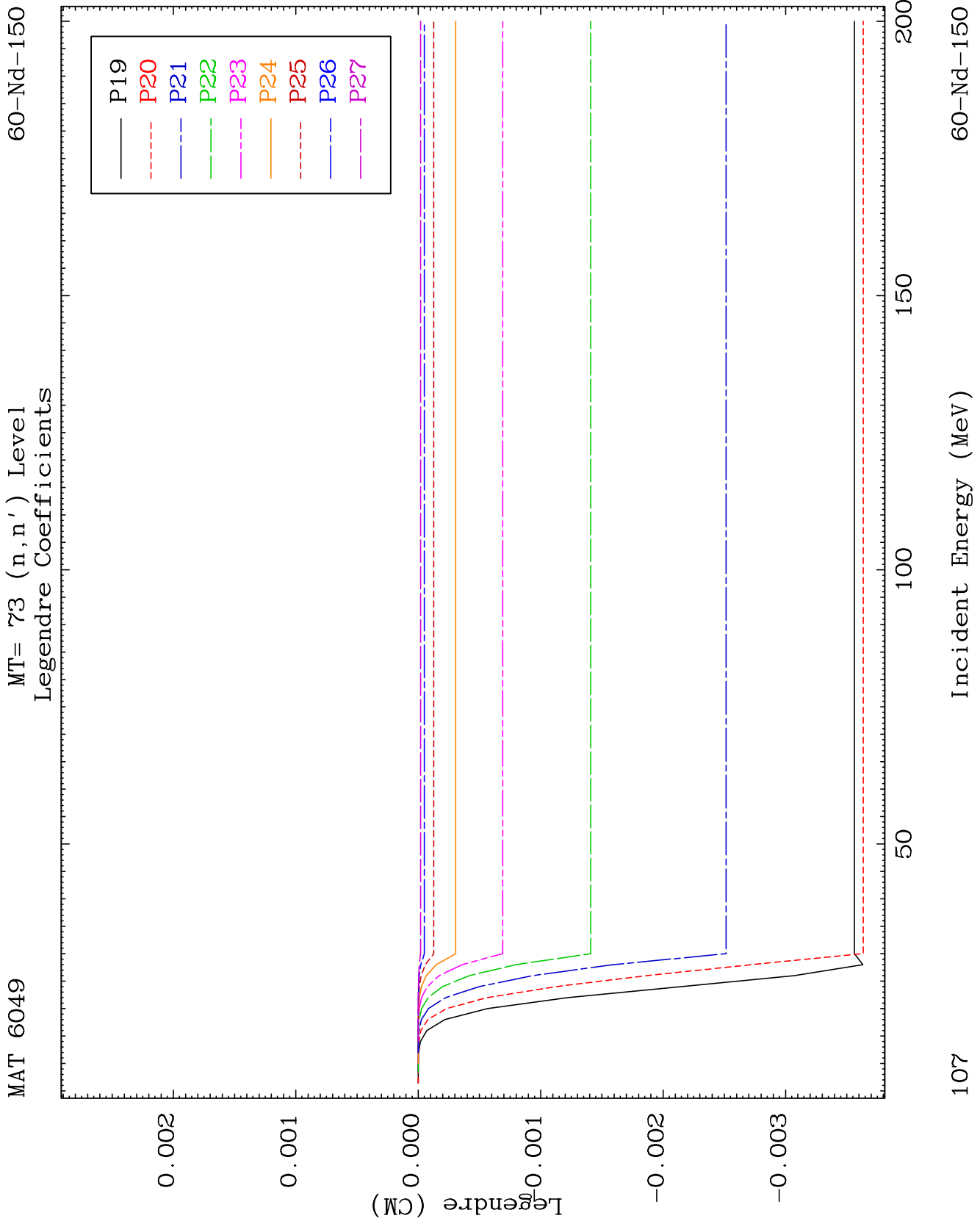
Incident Energy (MeV)

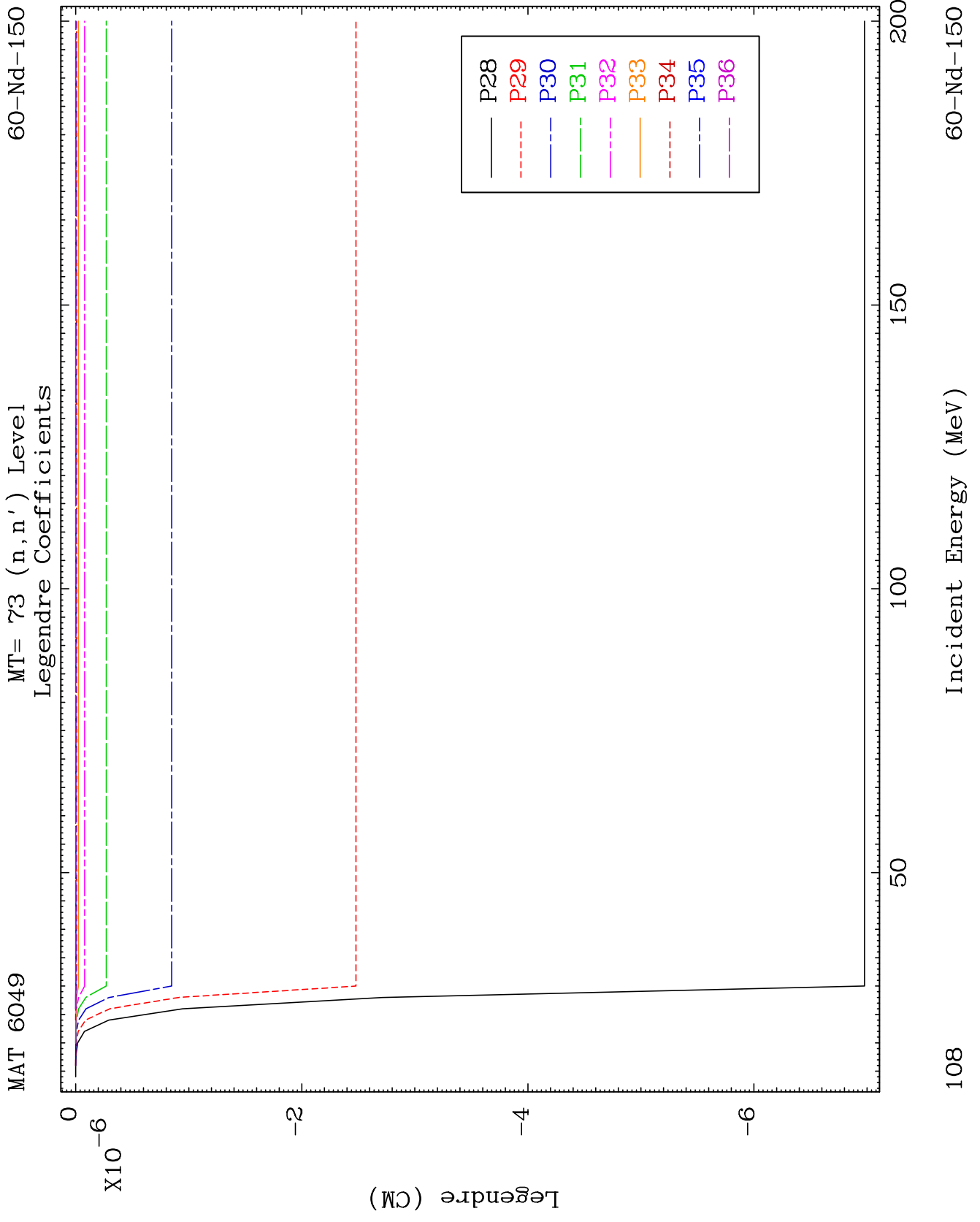
60-Nd-150

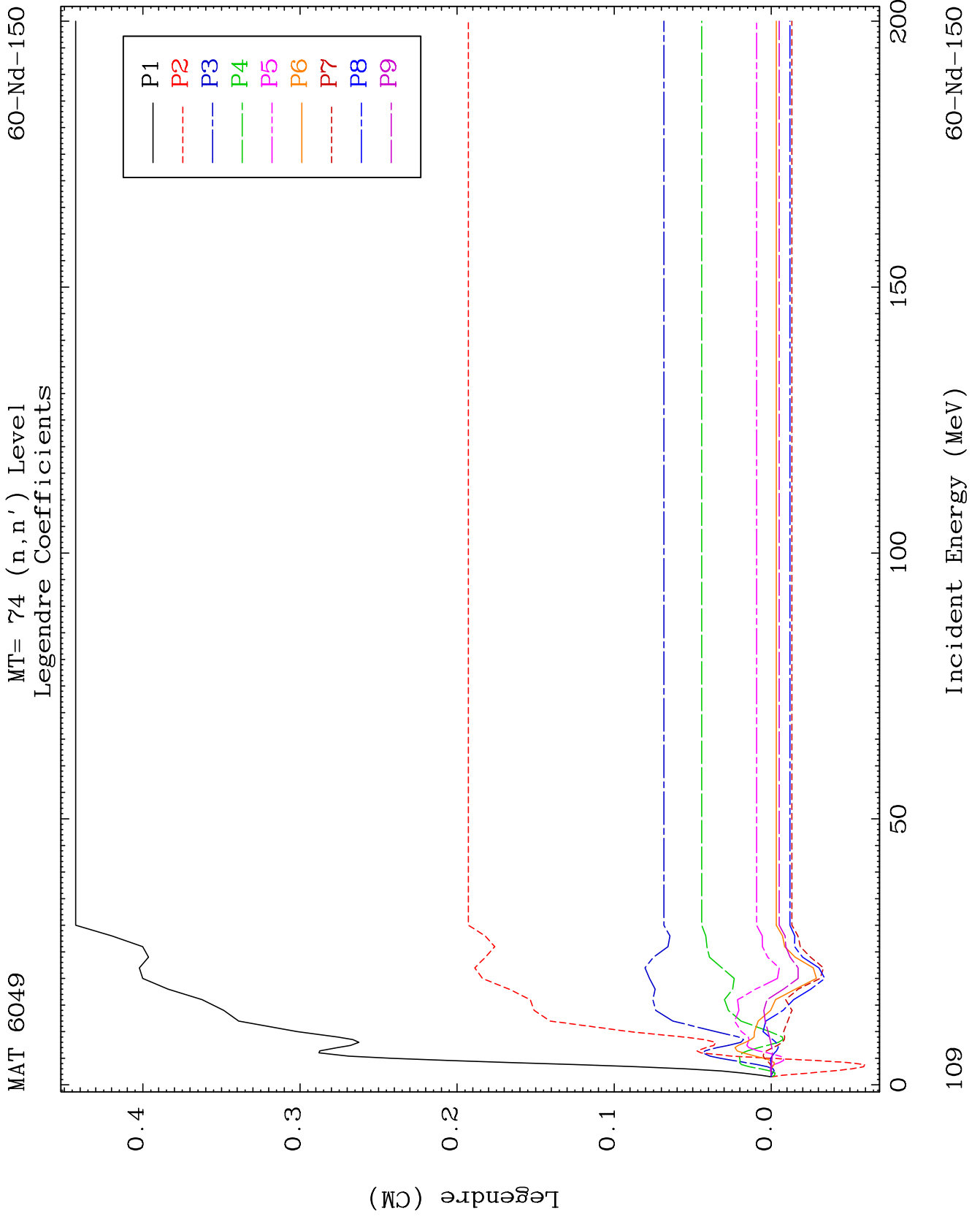


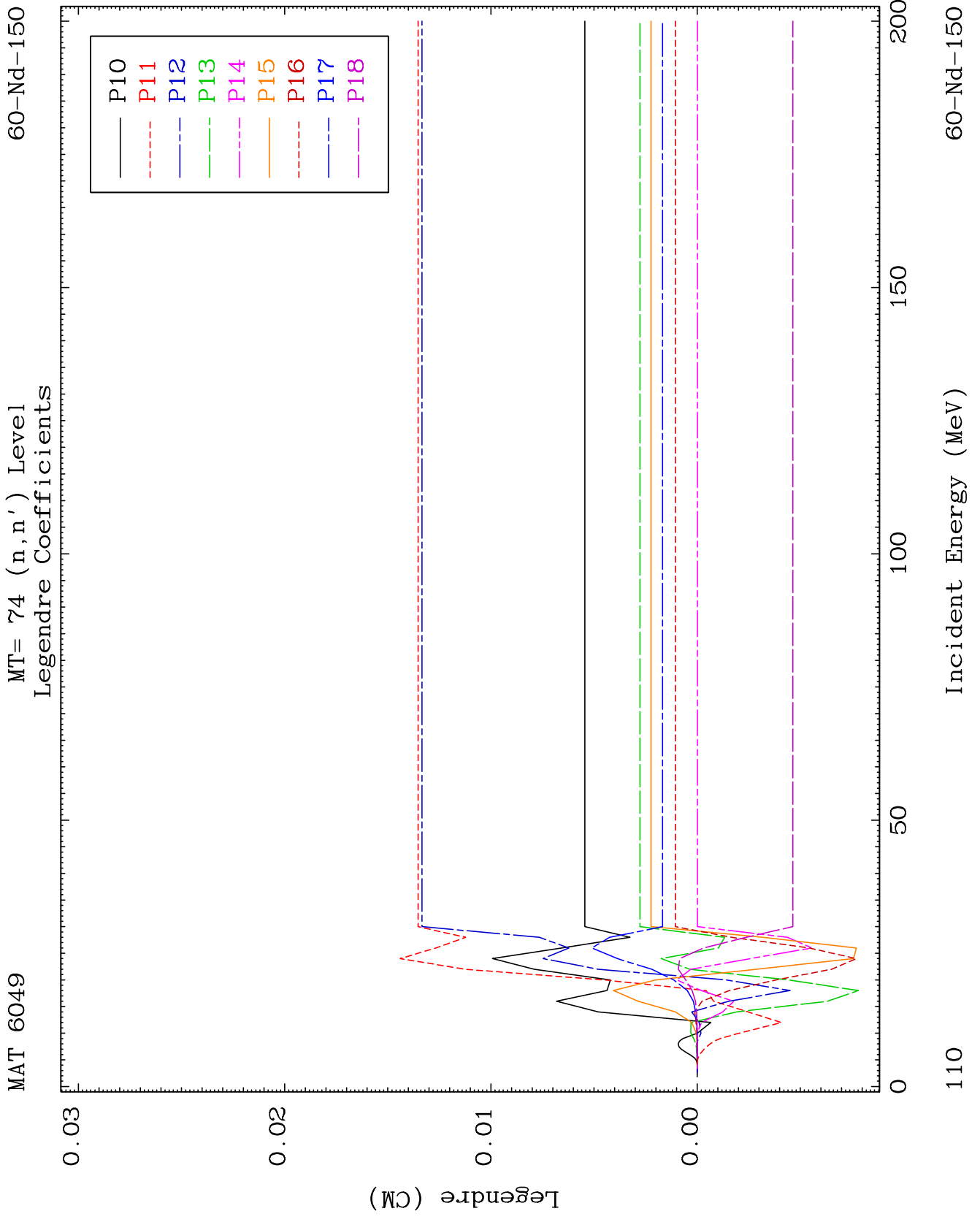








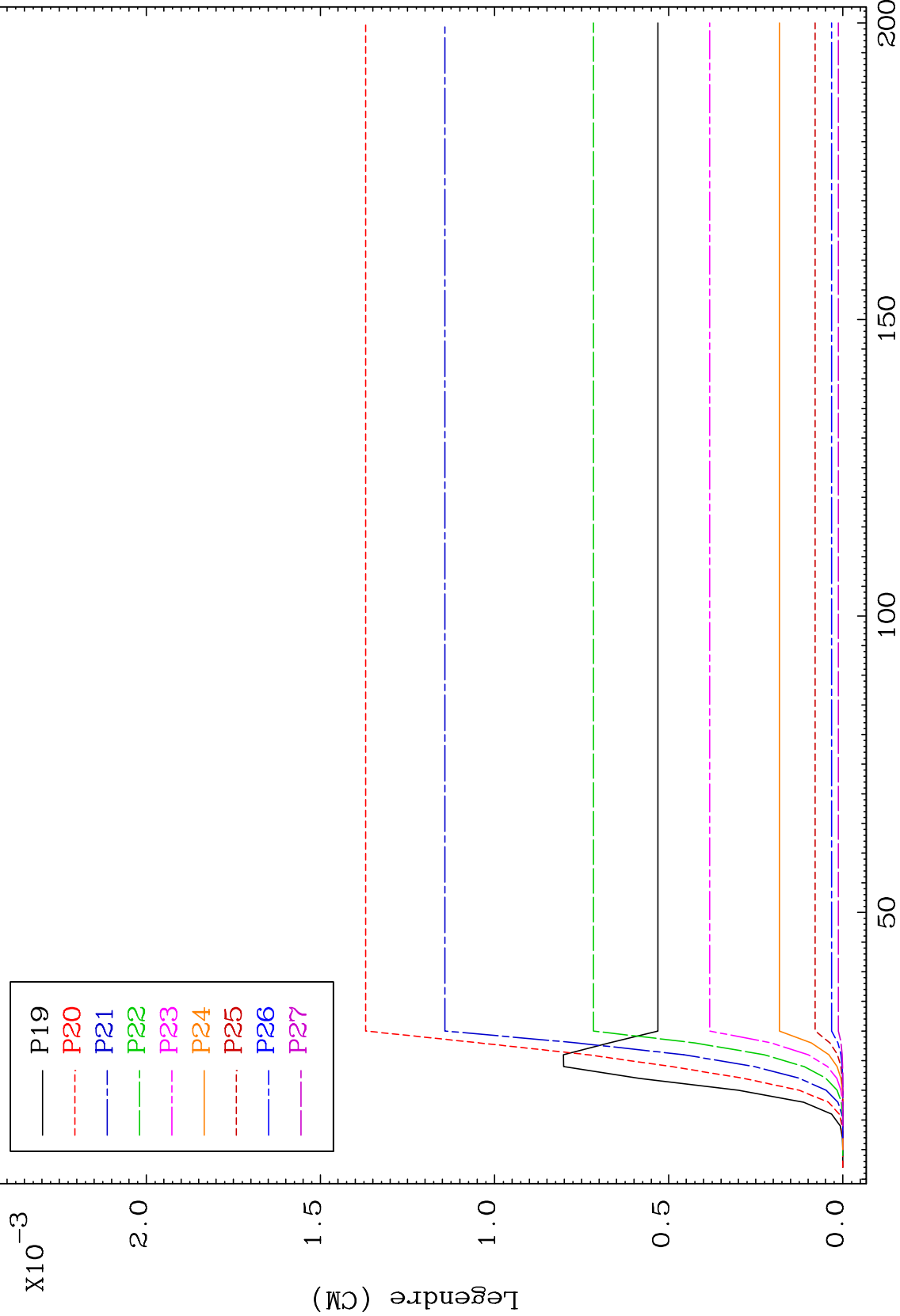
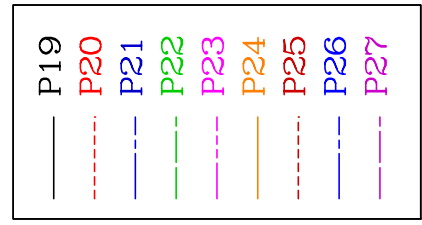




MAT 6049

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

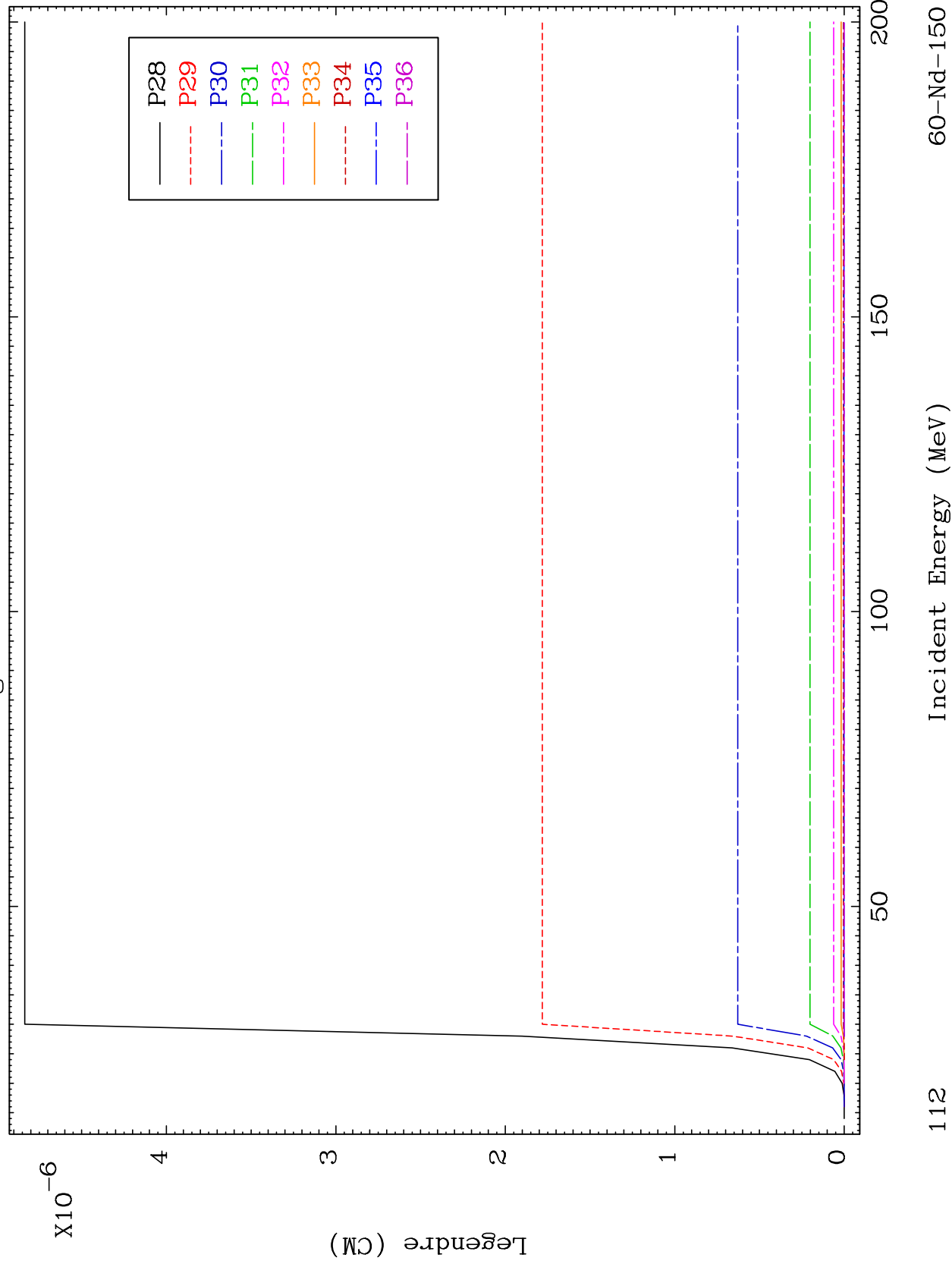
60-Nd-150



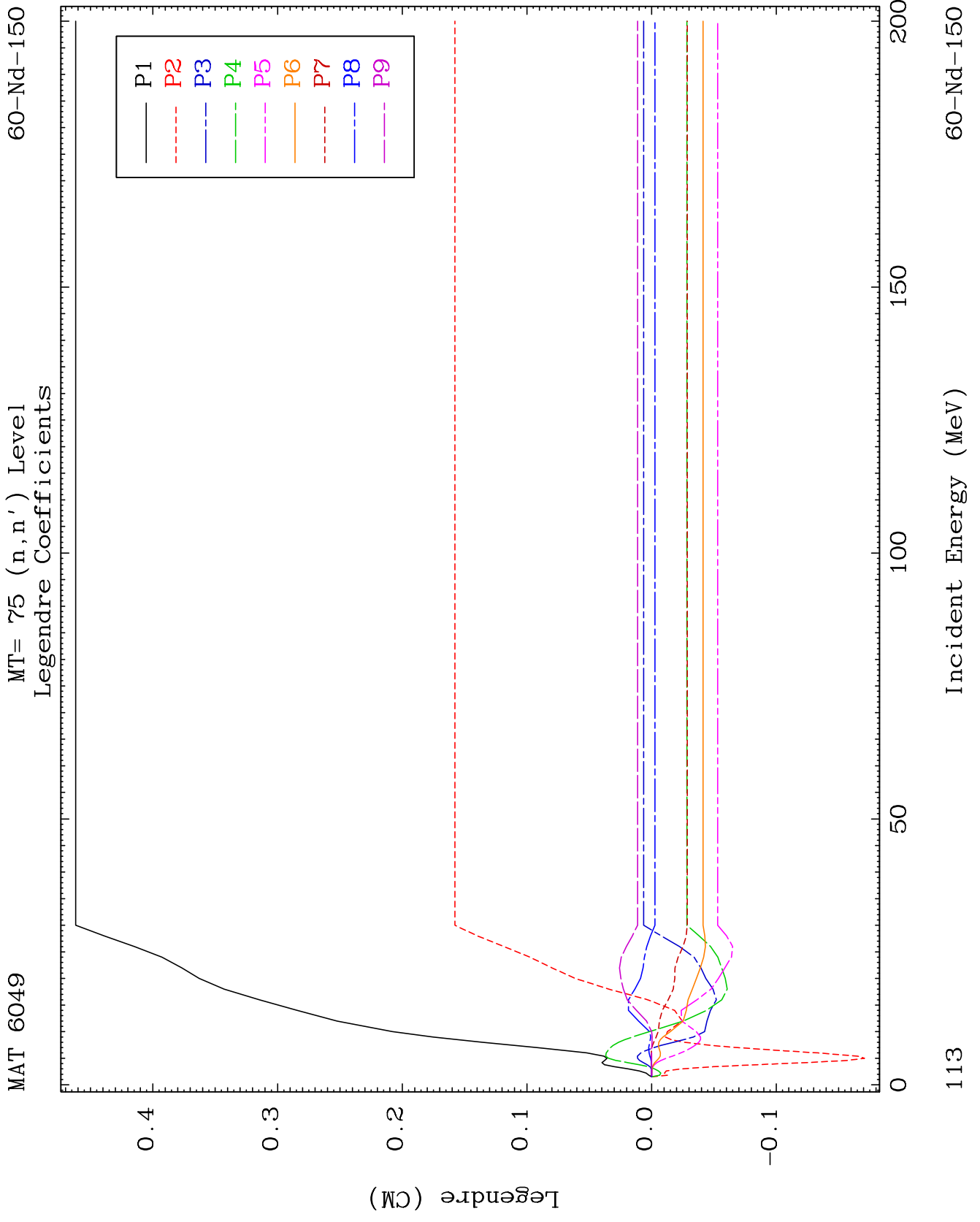
MAT 6049

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

60-Nd-150



112

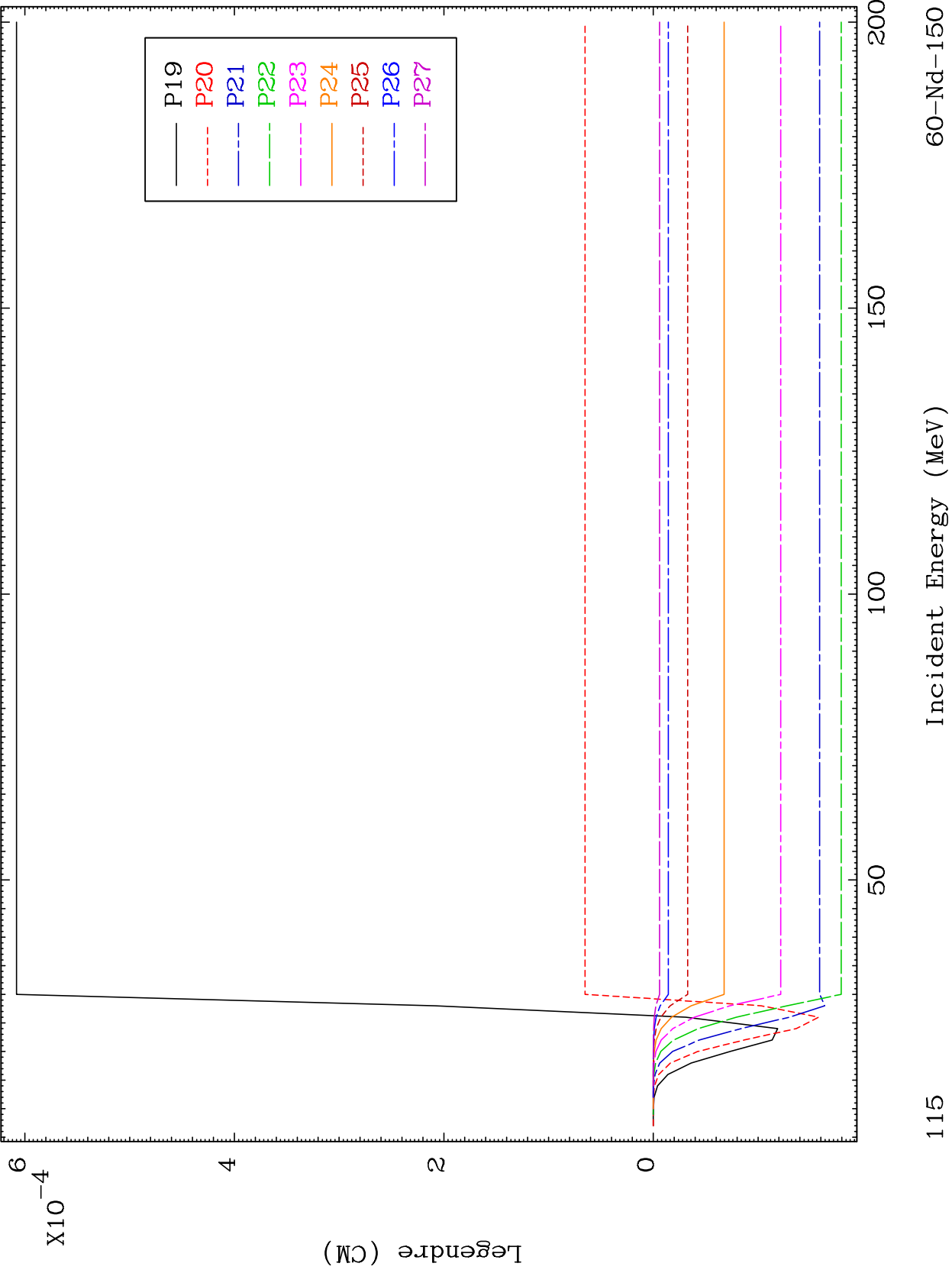




MAT 6049

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

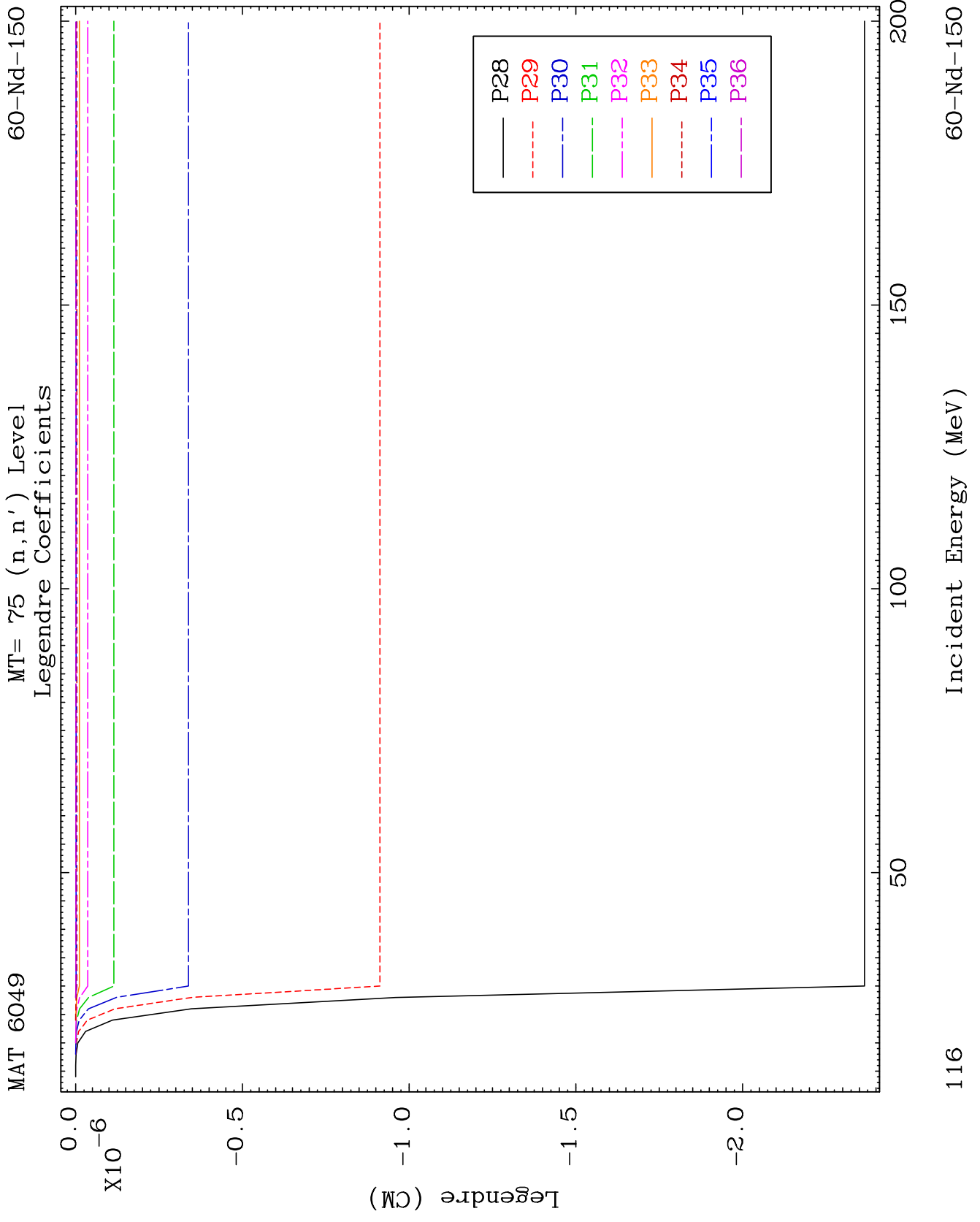
60-Nd-150

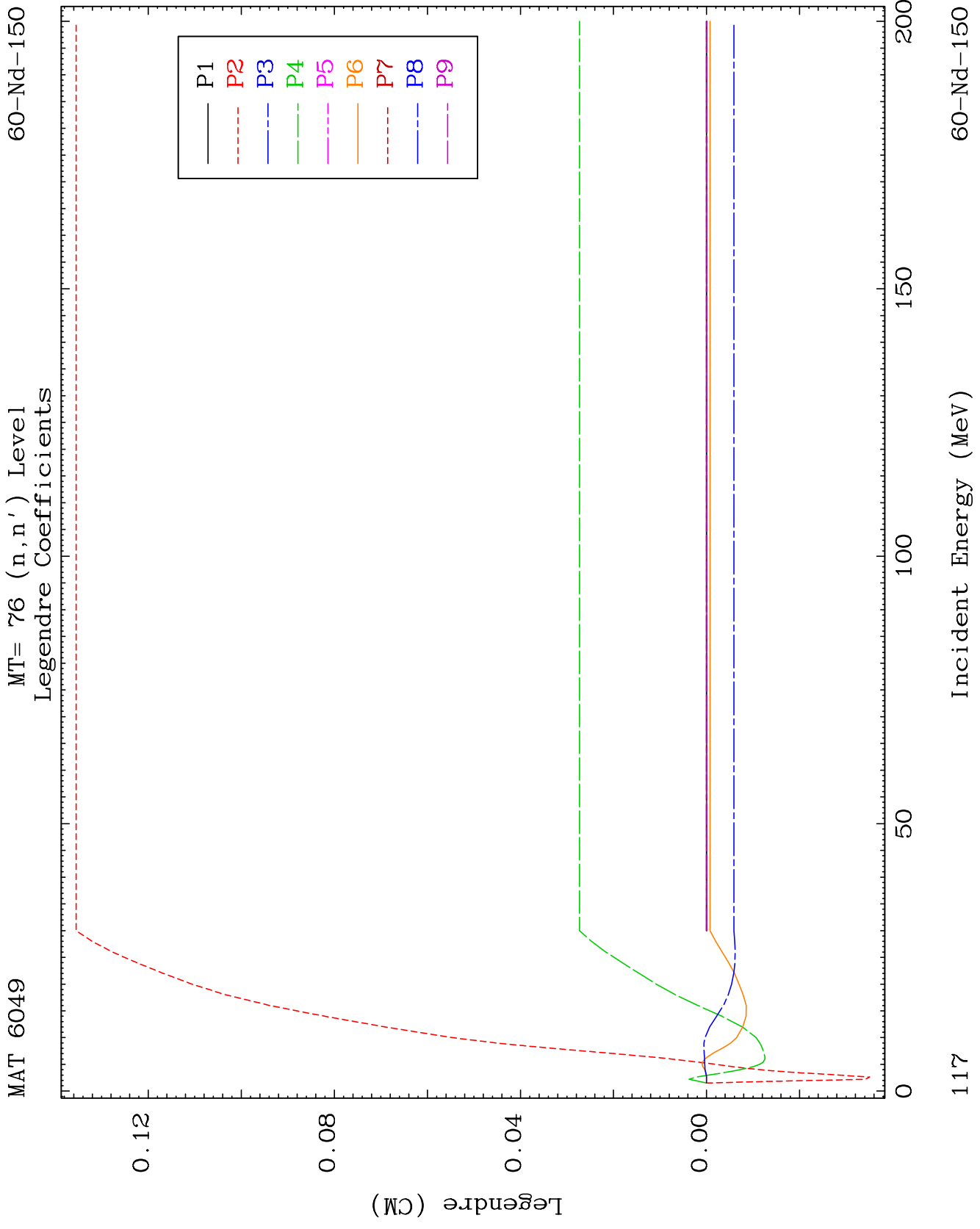


115

Incident Energy (MeV)

60-Nd-150

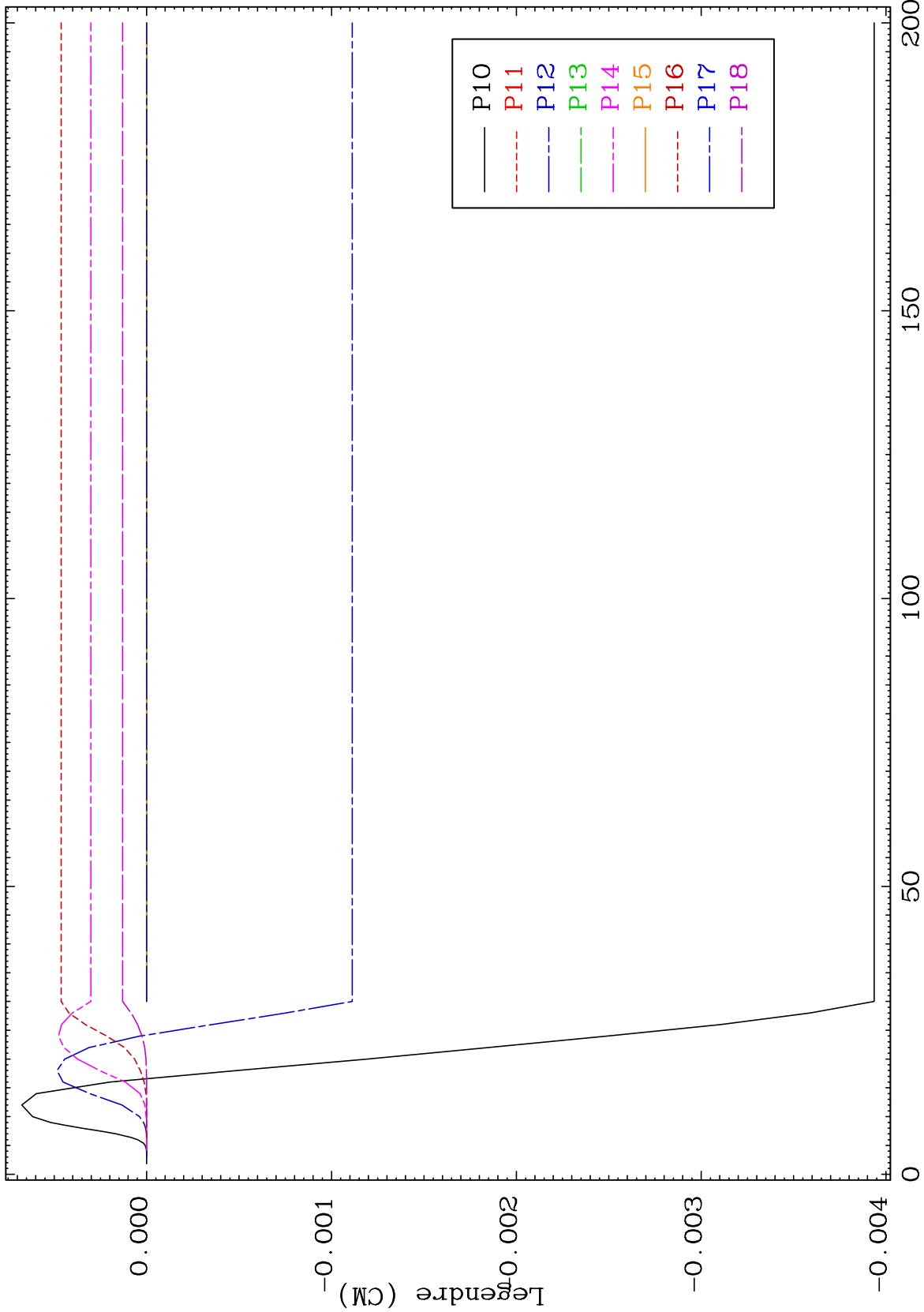




MAT 6049

MT= 76 (n,n') Level  
Legendre Coefficients

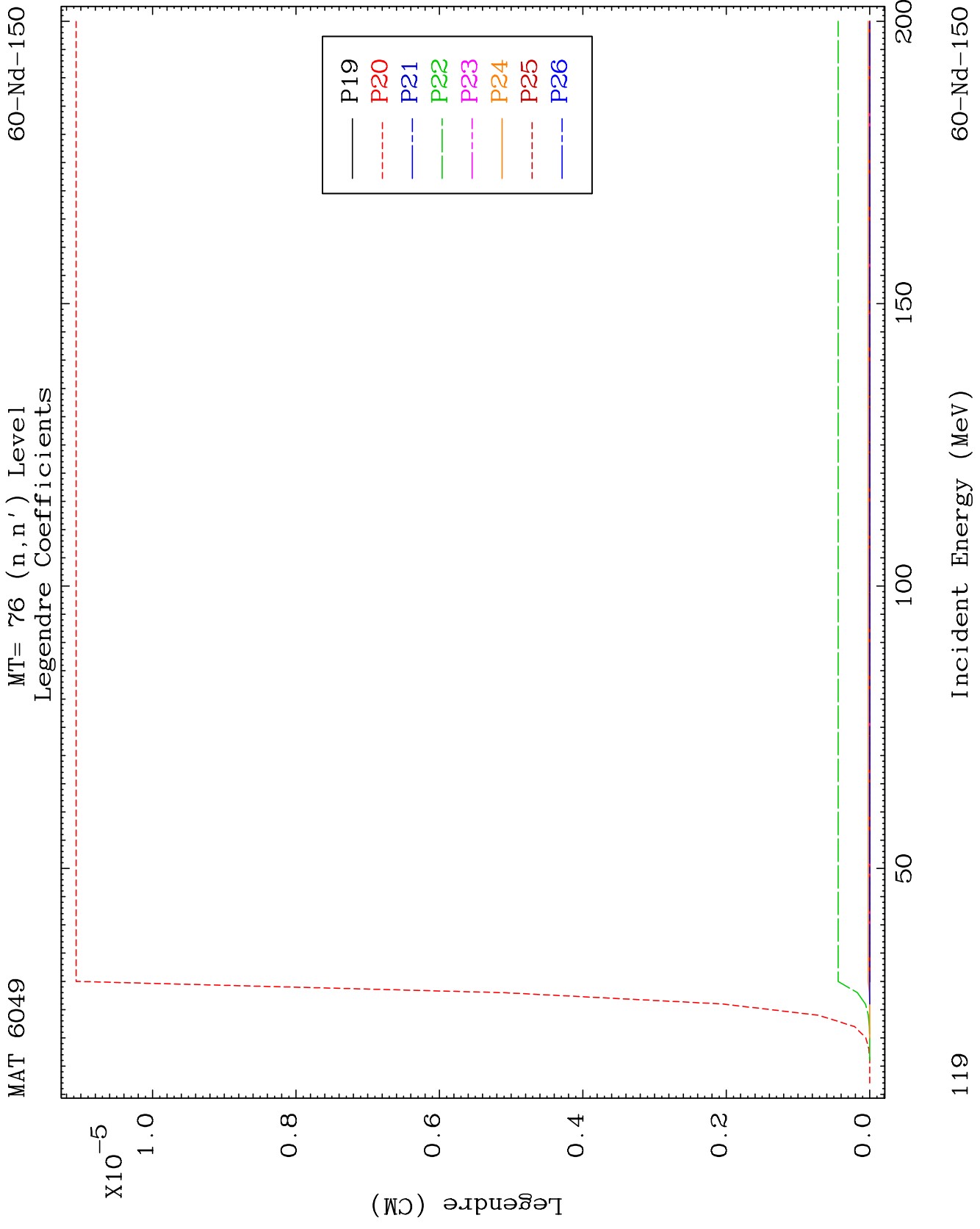
60-Nd-150



118

Incident Energy (MeV)

60-Nd-150

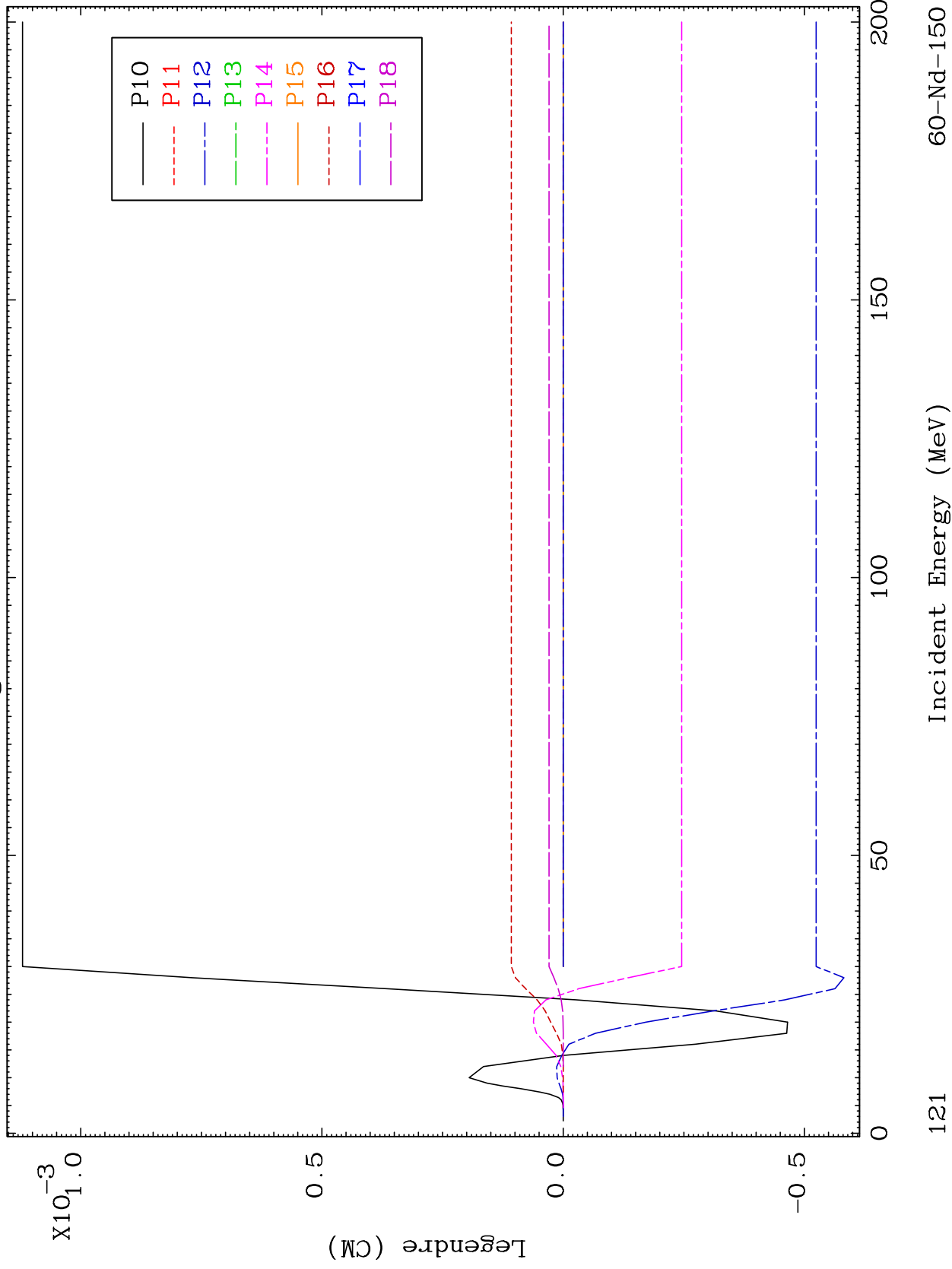


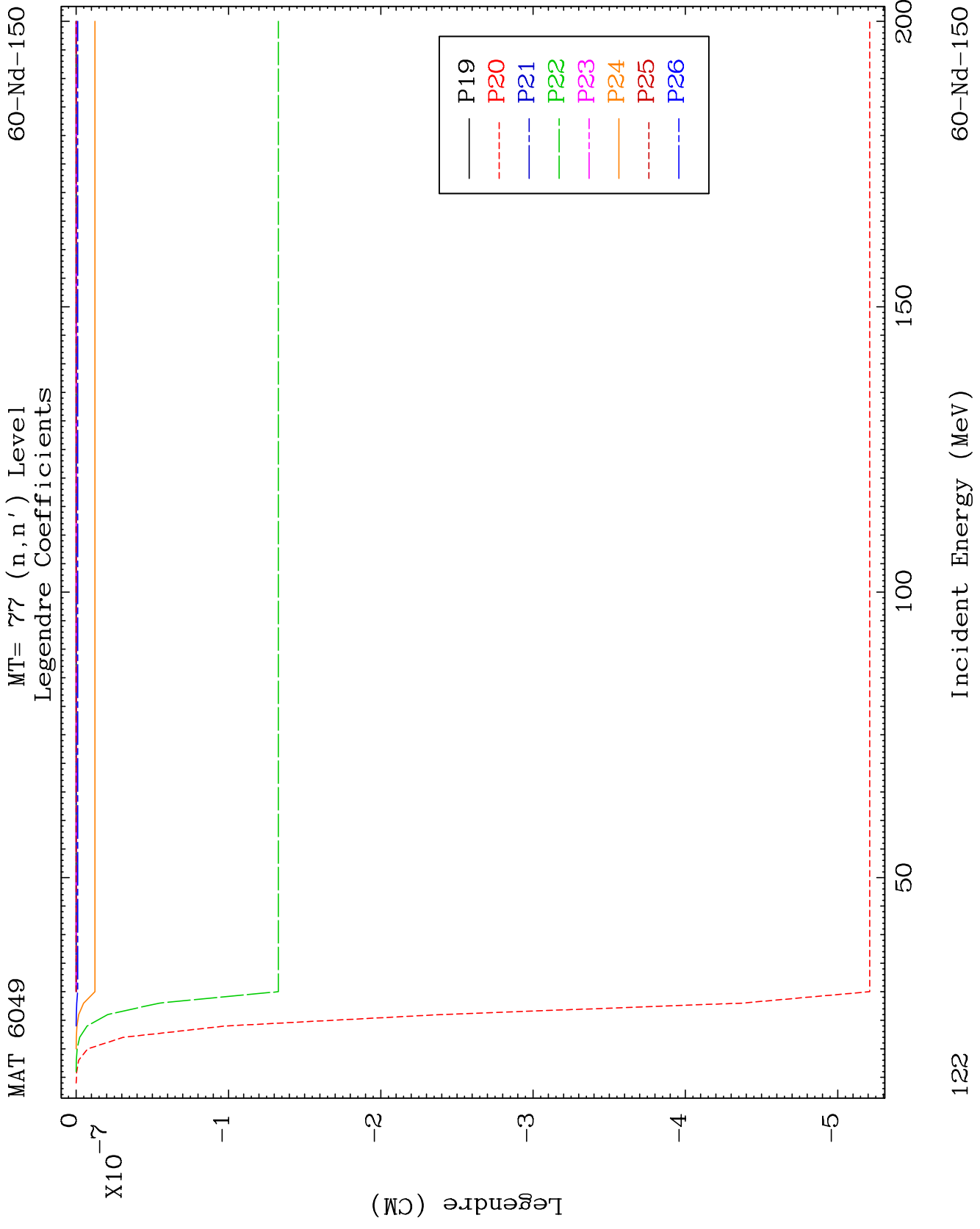


MAT 6049

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

60-Nd-150

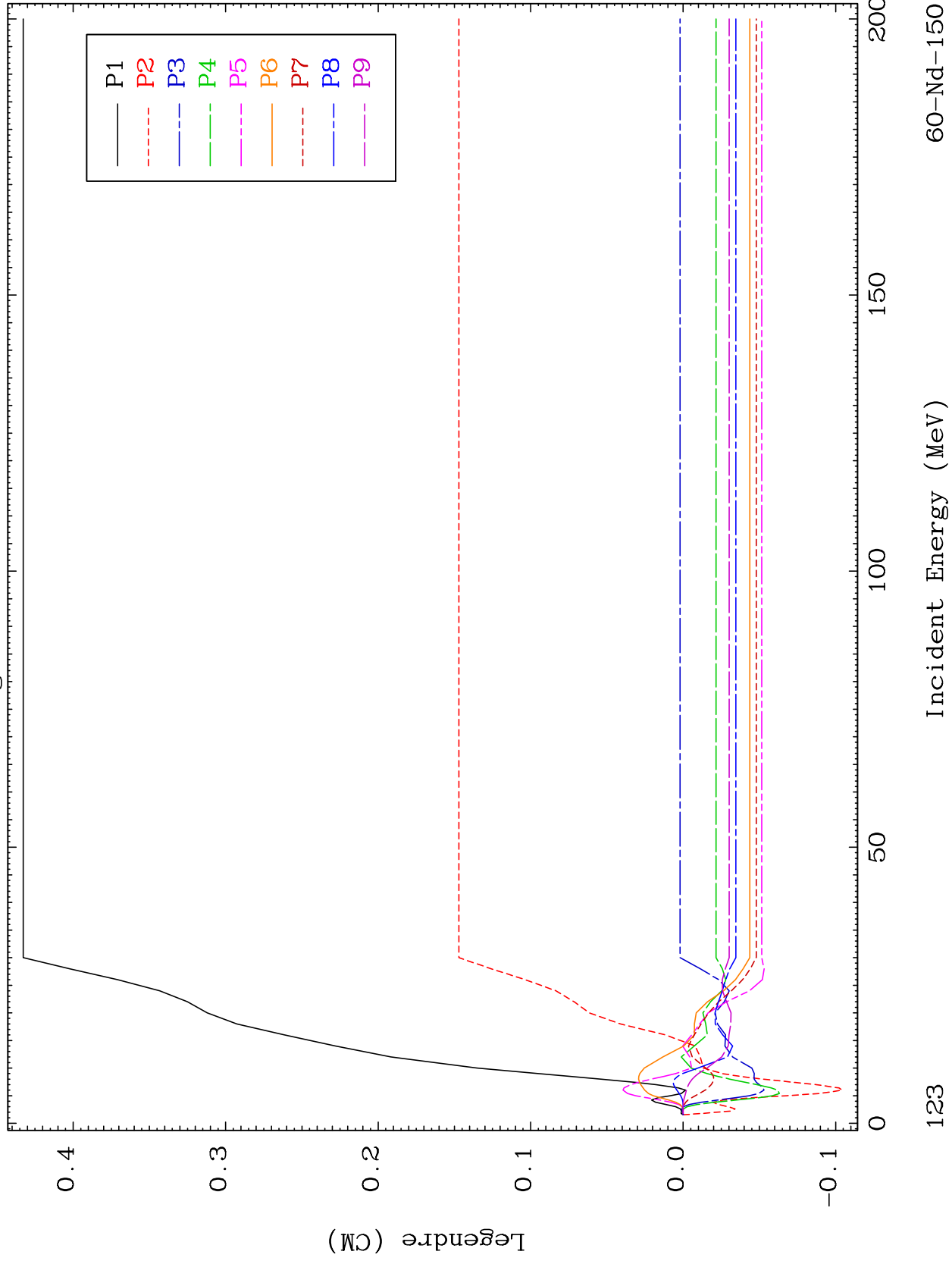




MAT 6049

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

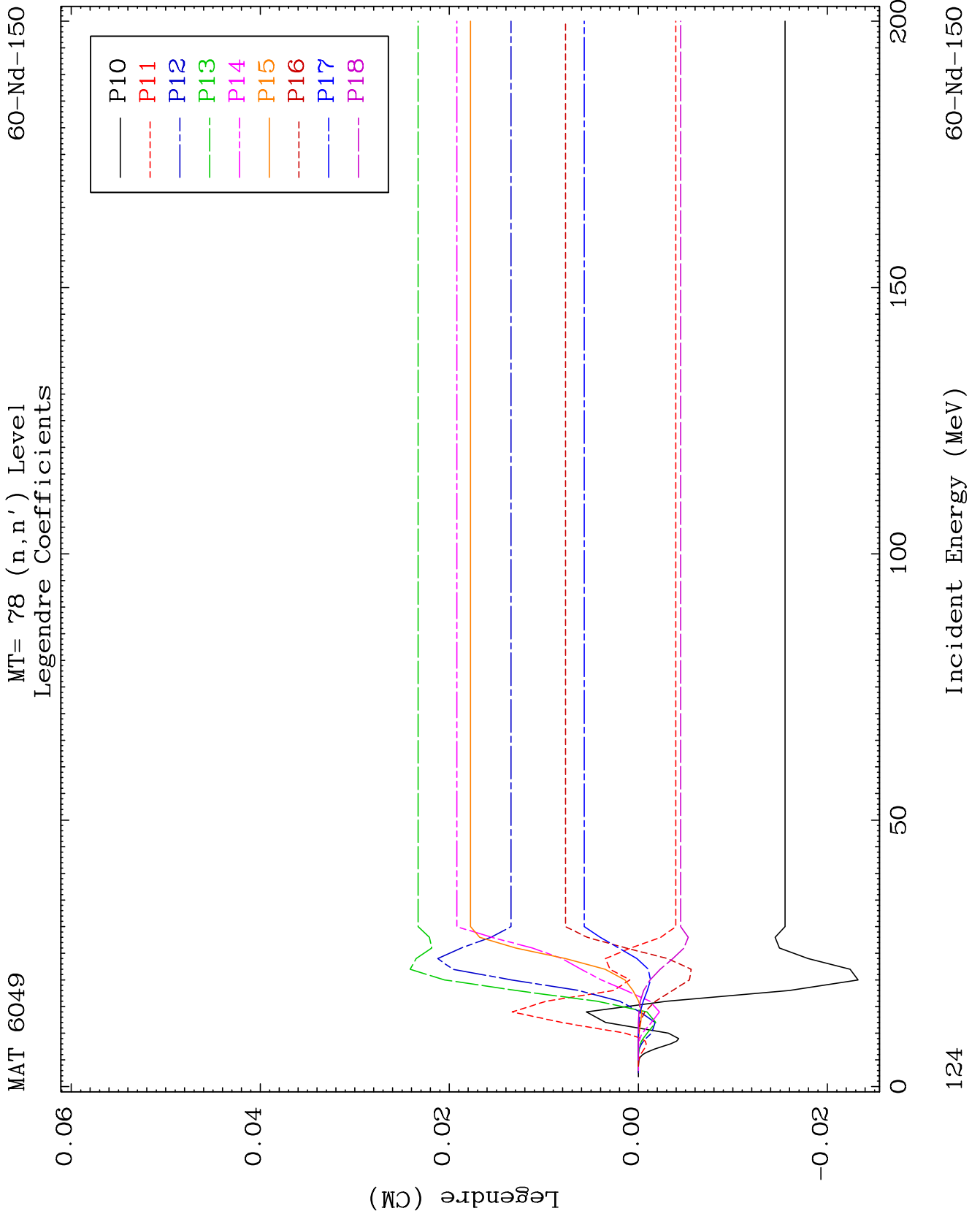
60-Nd-150

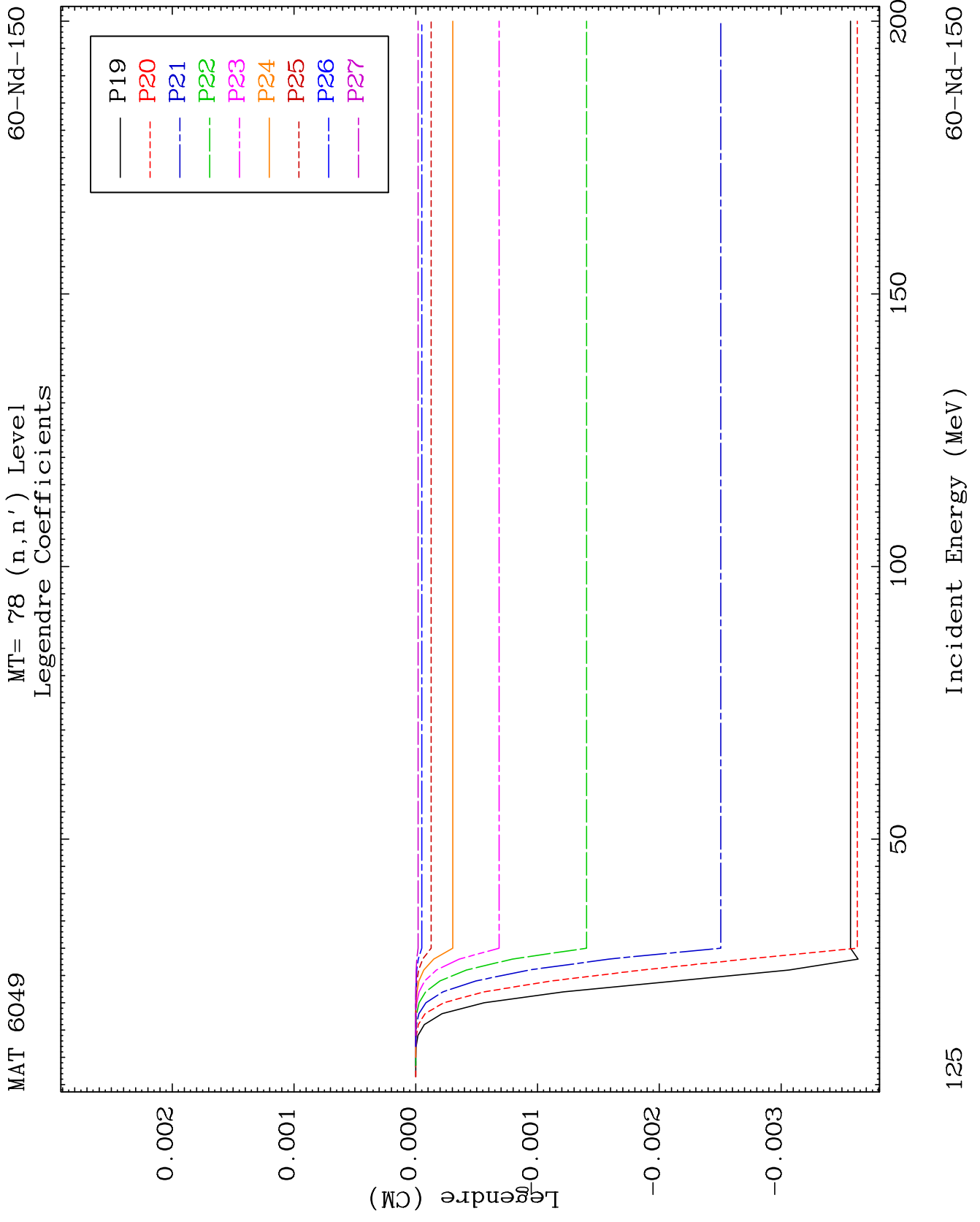


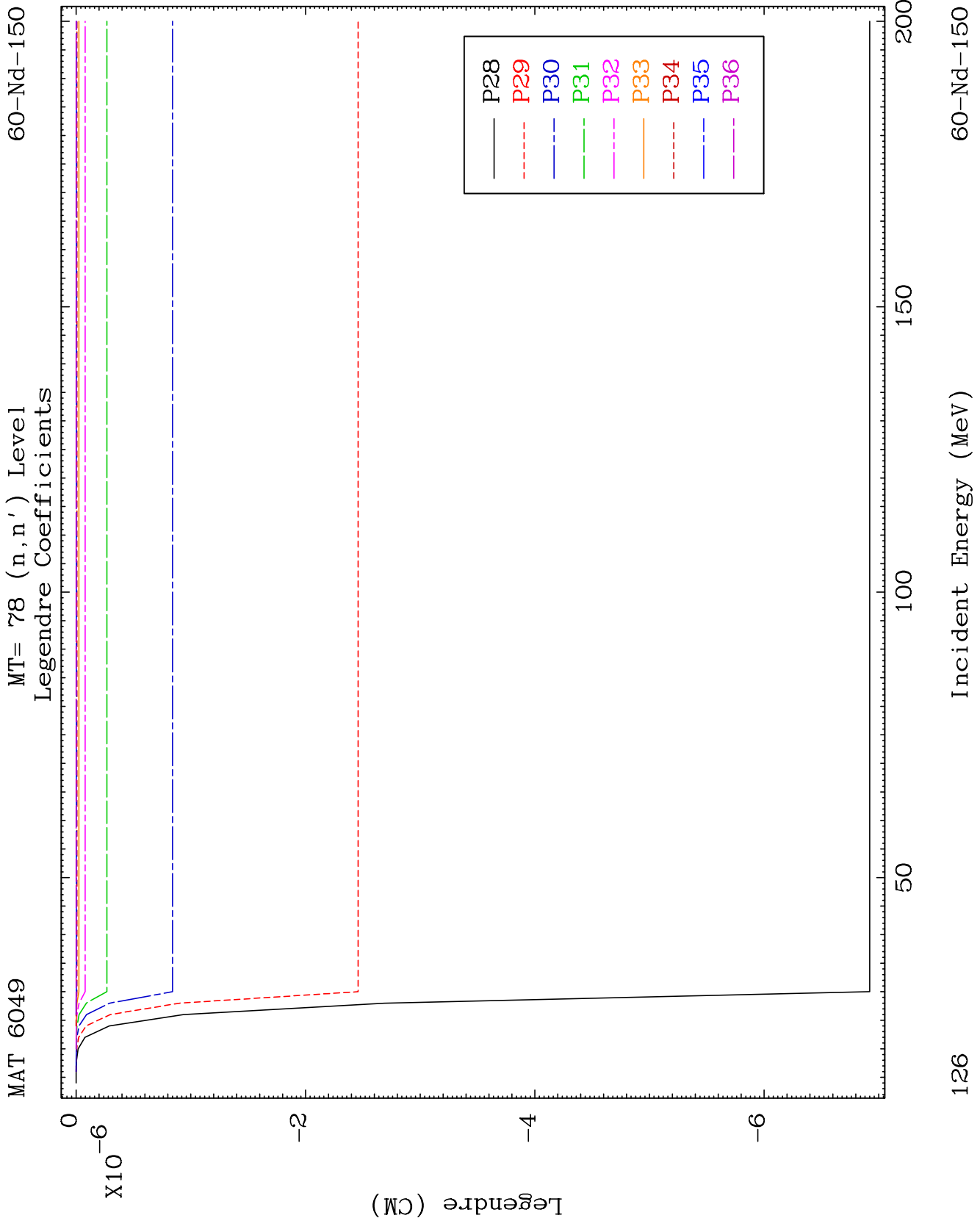
60-Nd-150

Incident Energy (MeV)

123



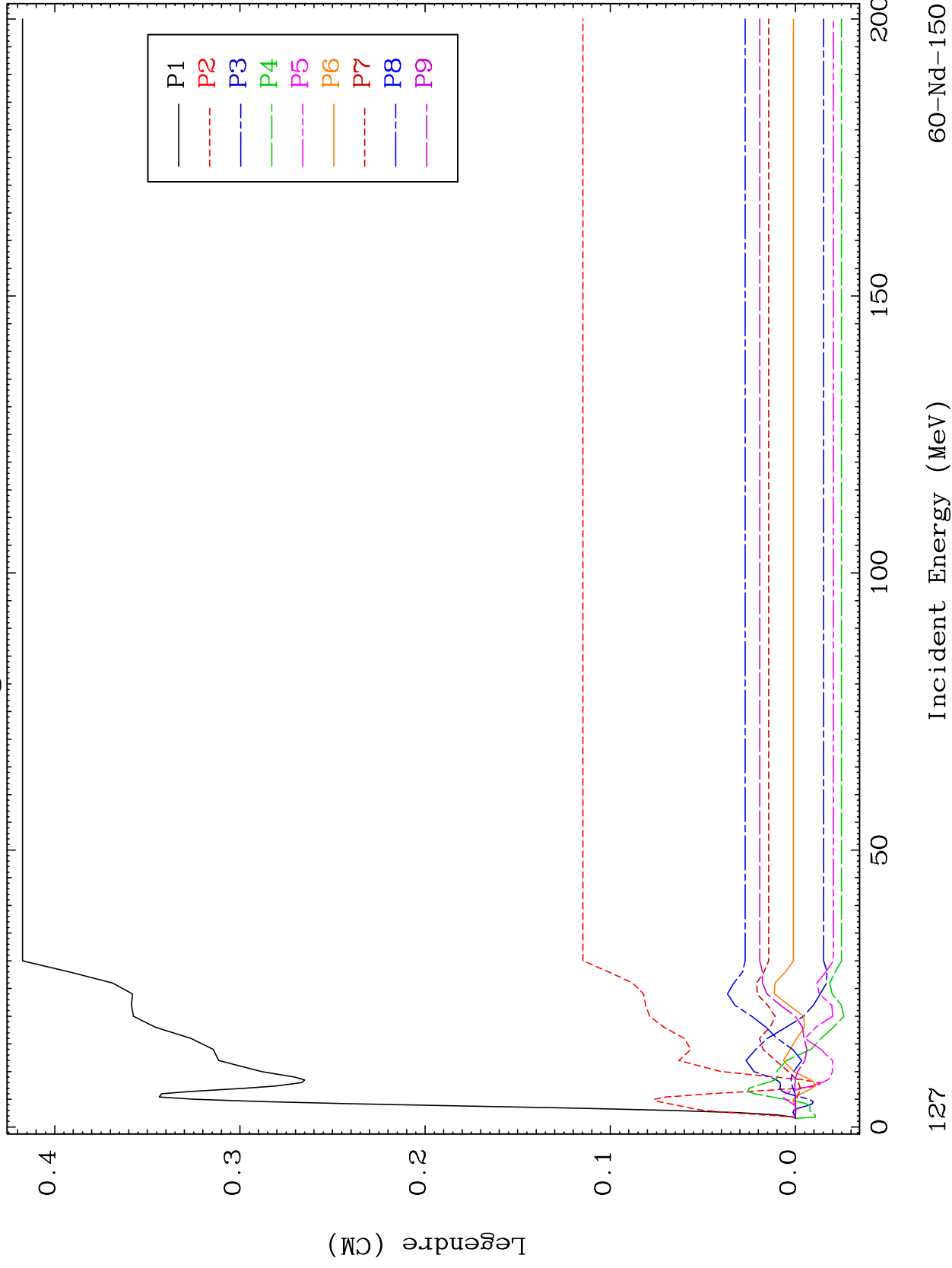




MAT 6049

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

60-Nd-150



60-Nd-150

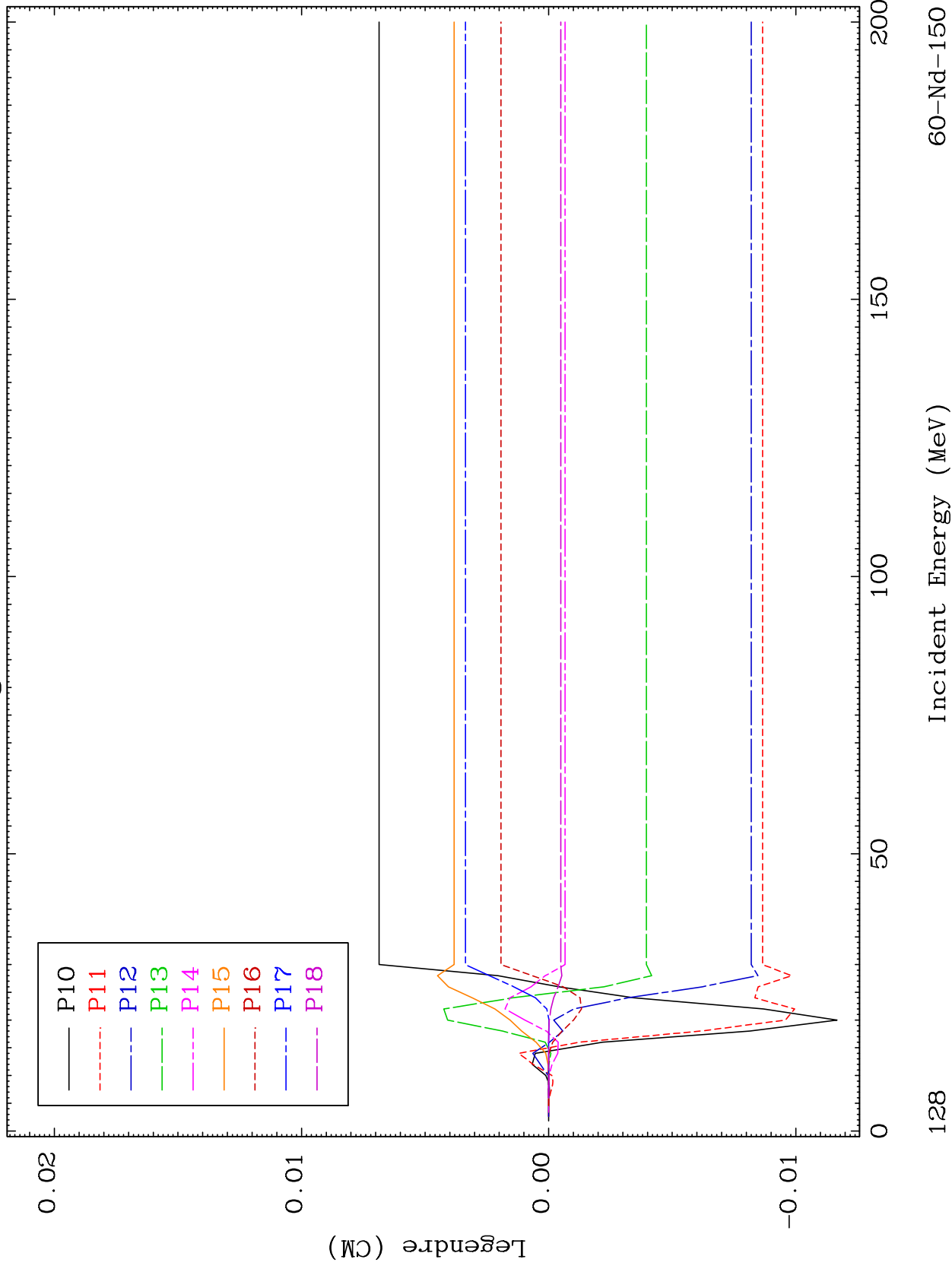
Incident Energy (MeV)

127

MAT 6049

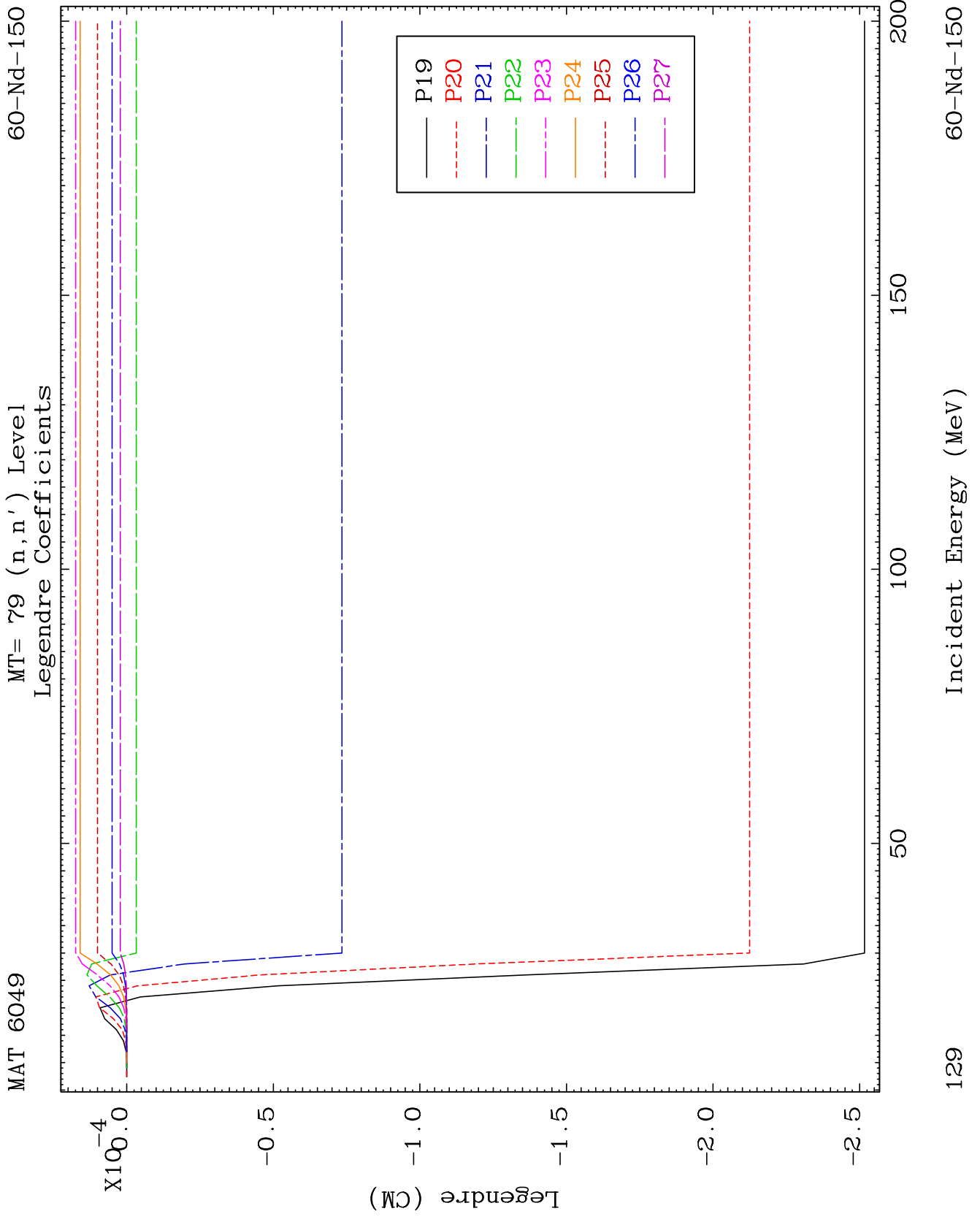
MT= 79 (n,n') Level  
Legendre Coefficients

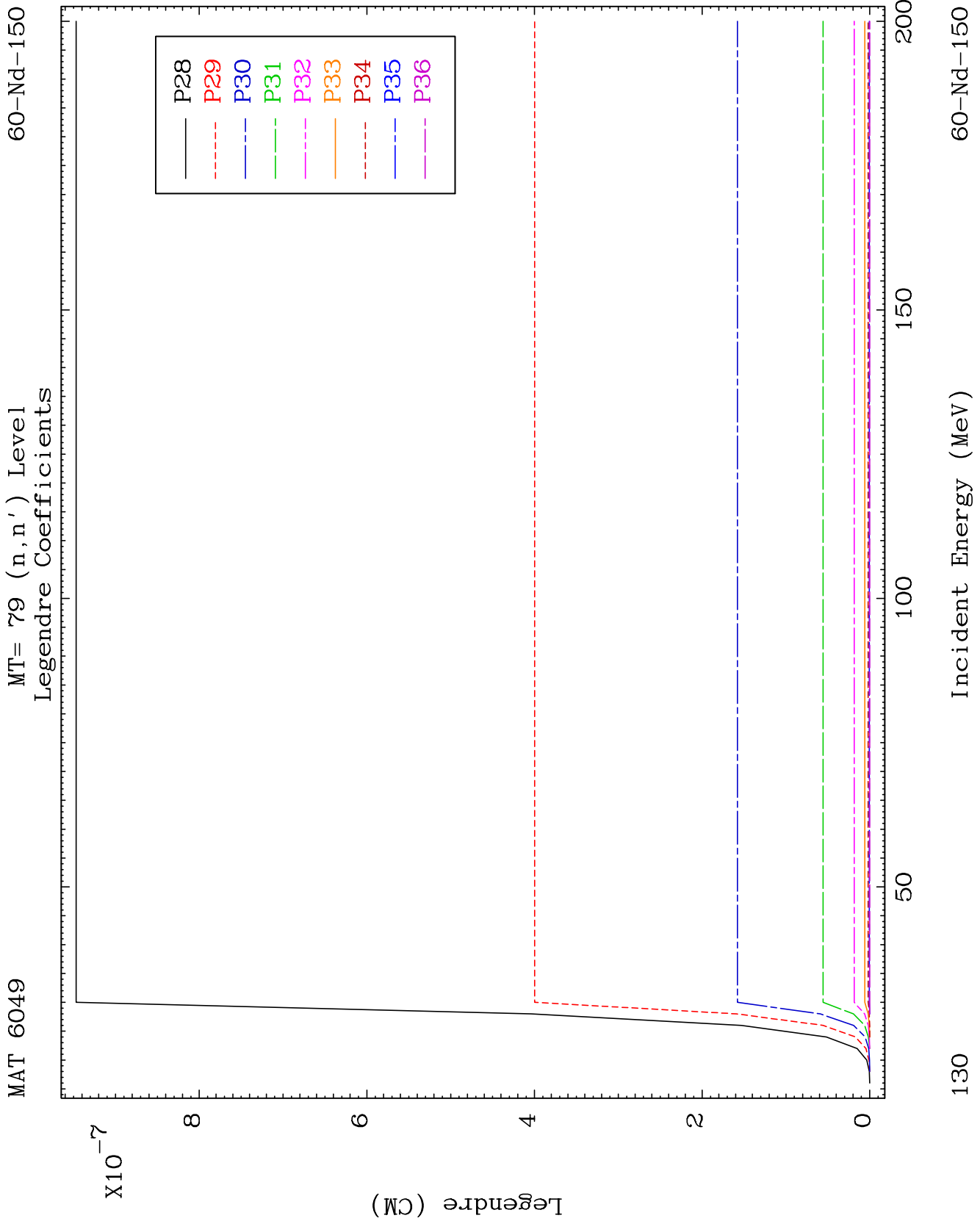
60-Nd-150



128

60-Nd-150

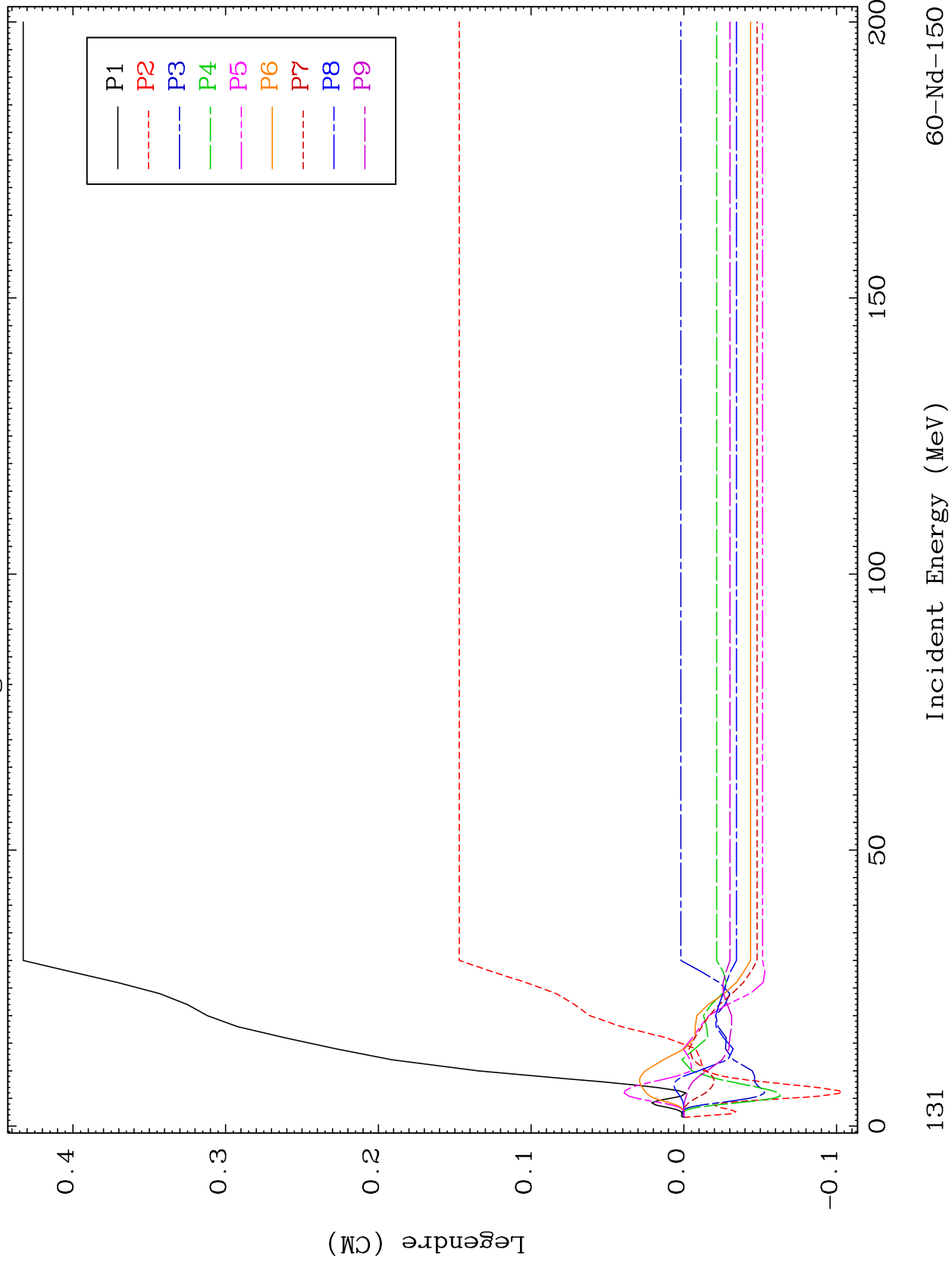




MAT 6049

MT= 80 (n,n') Level  
Legendre Coefficients

60-Nd-150

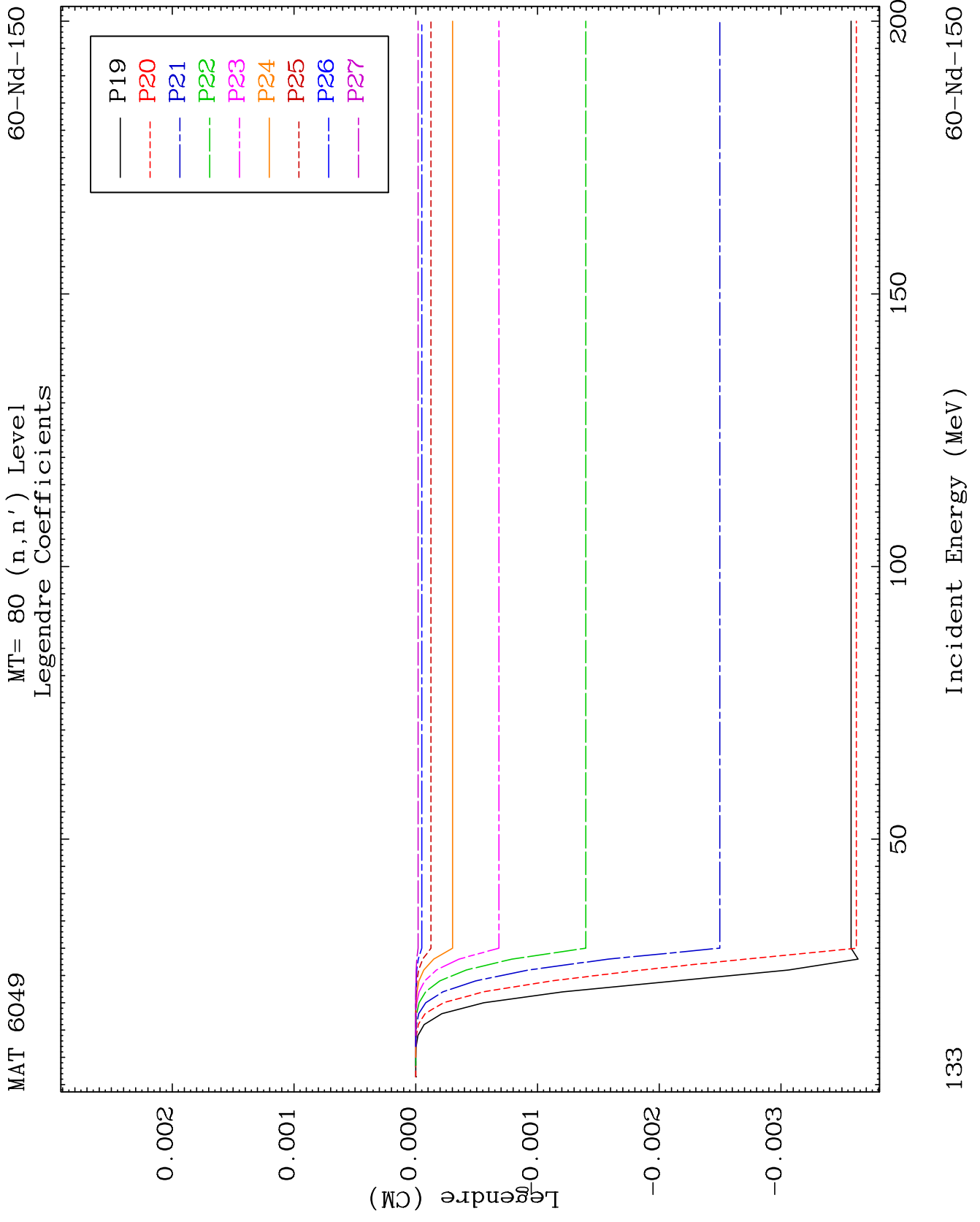


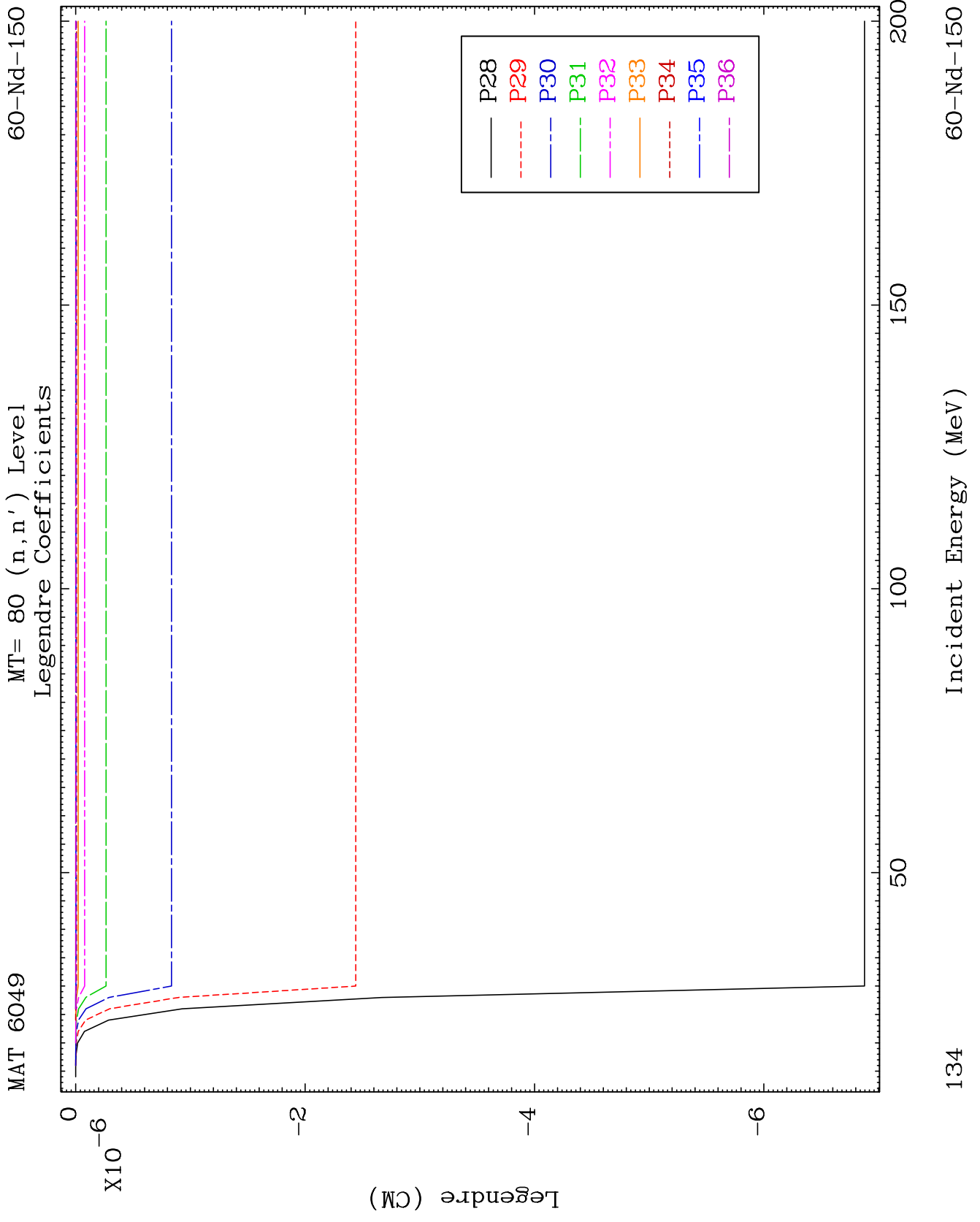
60-Nd-150

Incident Energy (MeV)

131





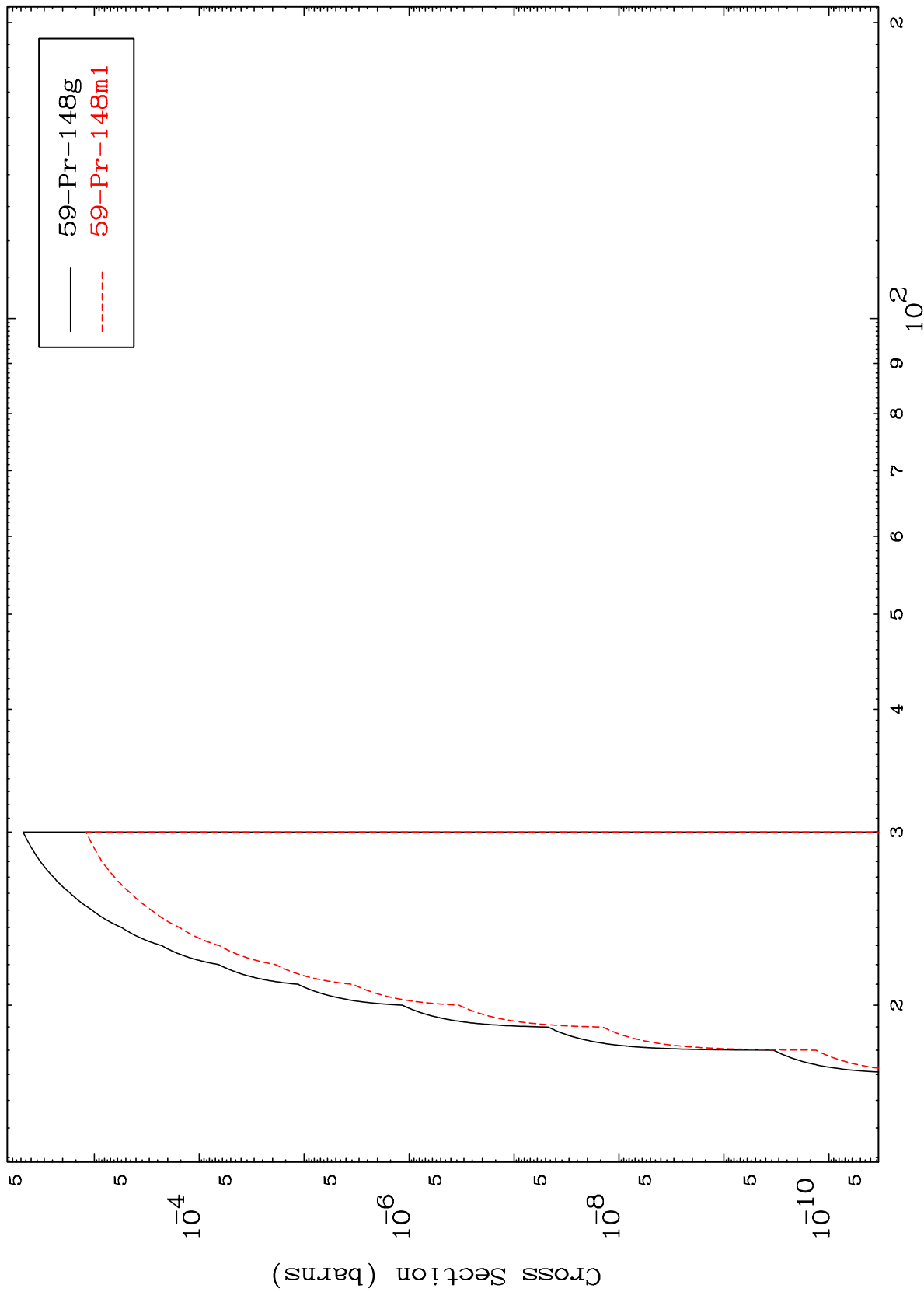


MAT 6049

(n,n') d

60-Nd-150

Radionuclide Production Cross Section



135

Incident Energy (MeV)

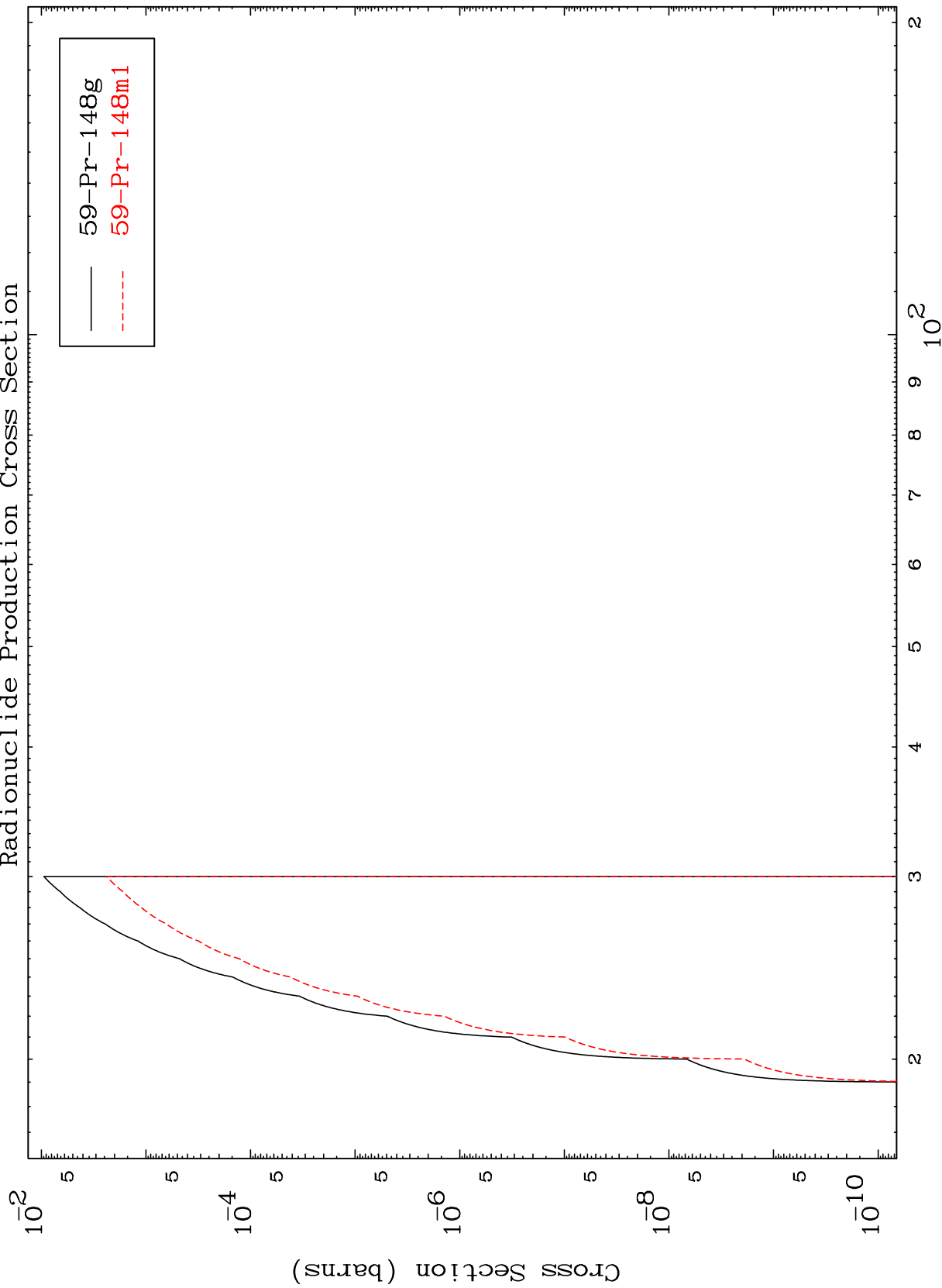
60-Nd-150

MAT 6049

(n,2n) p

60-Nd-150

Radionuclide Production Cross Section



136

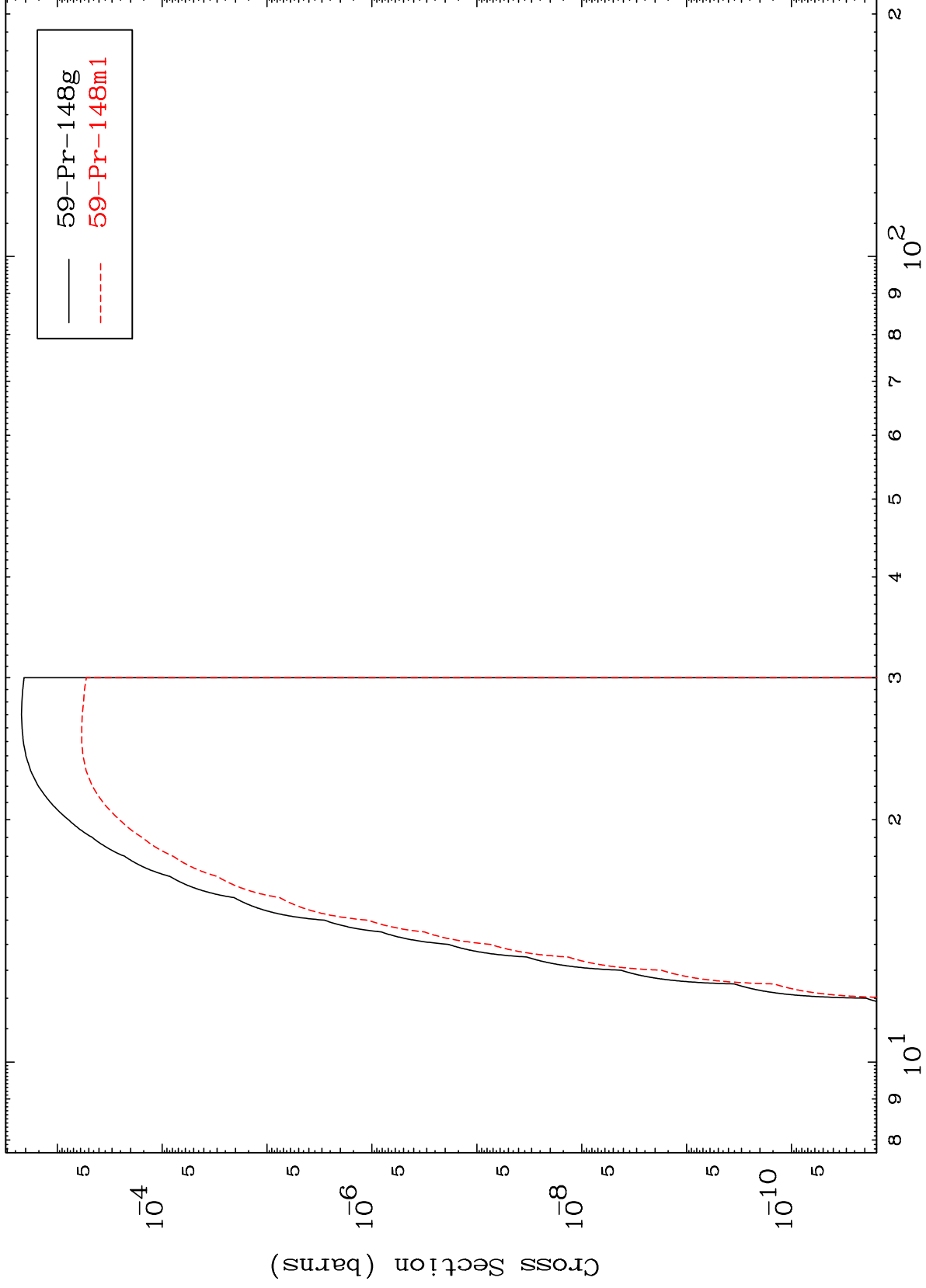
Incident Energy (MeV)

60-Nd-150

MAT 6049

60-Nd-150

(n, t)  
Radionuclide Production Cross Section



137

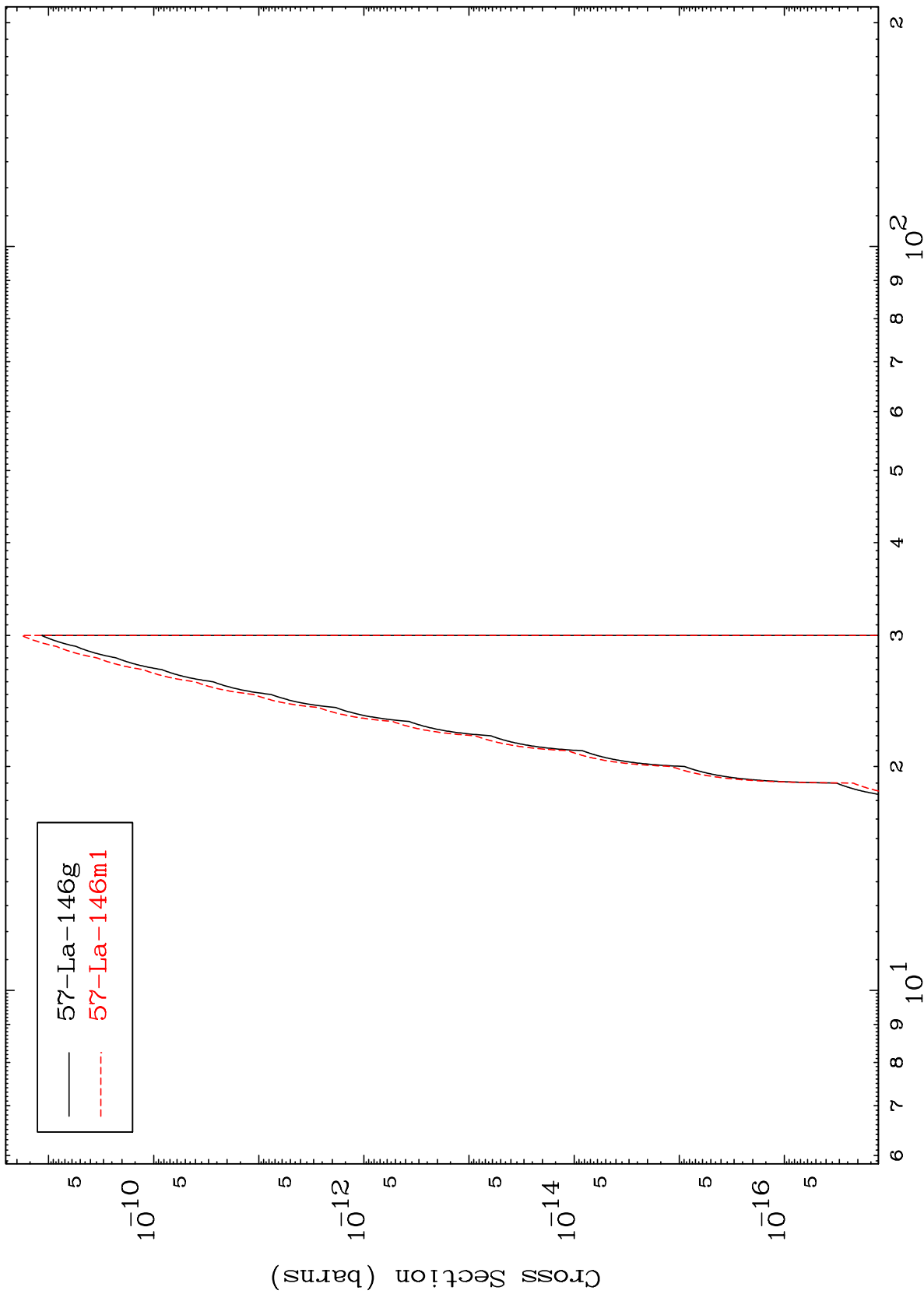
Incident Energy (MeV)

60-Nd-150

MAT 6049

60-Nd-150

(n,p)  $\alpha$   
Radionuclide Production Cross Section



138

60-Nd-150

Incident Energy (MeV)