

Program EVALPLOT  
(Version 2017-1)

by

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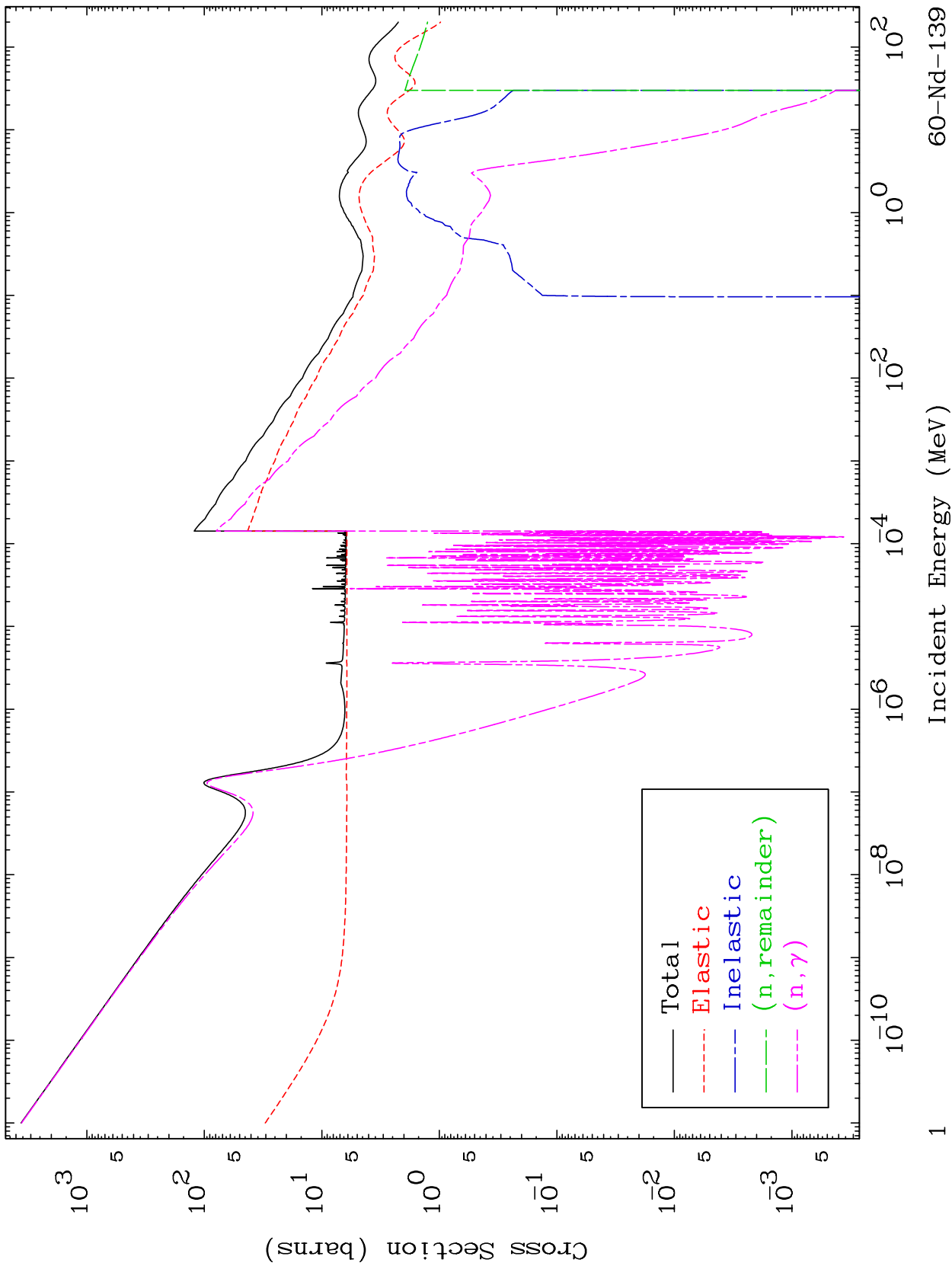
Press Mouse Button to Start

MAT 6016

Major

293 Kelvin Cross Sections

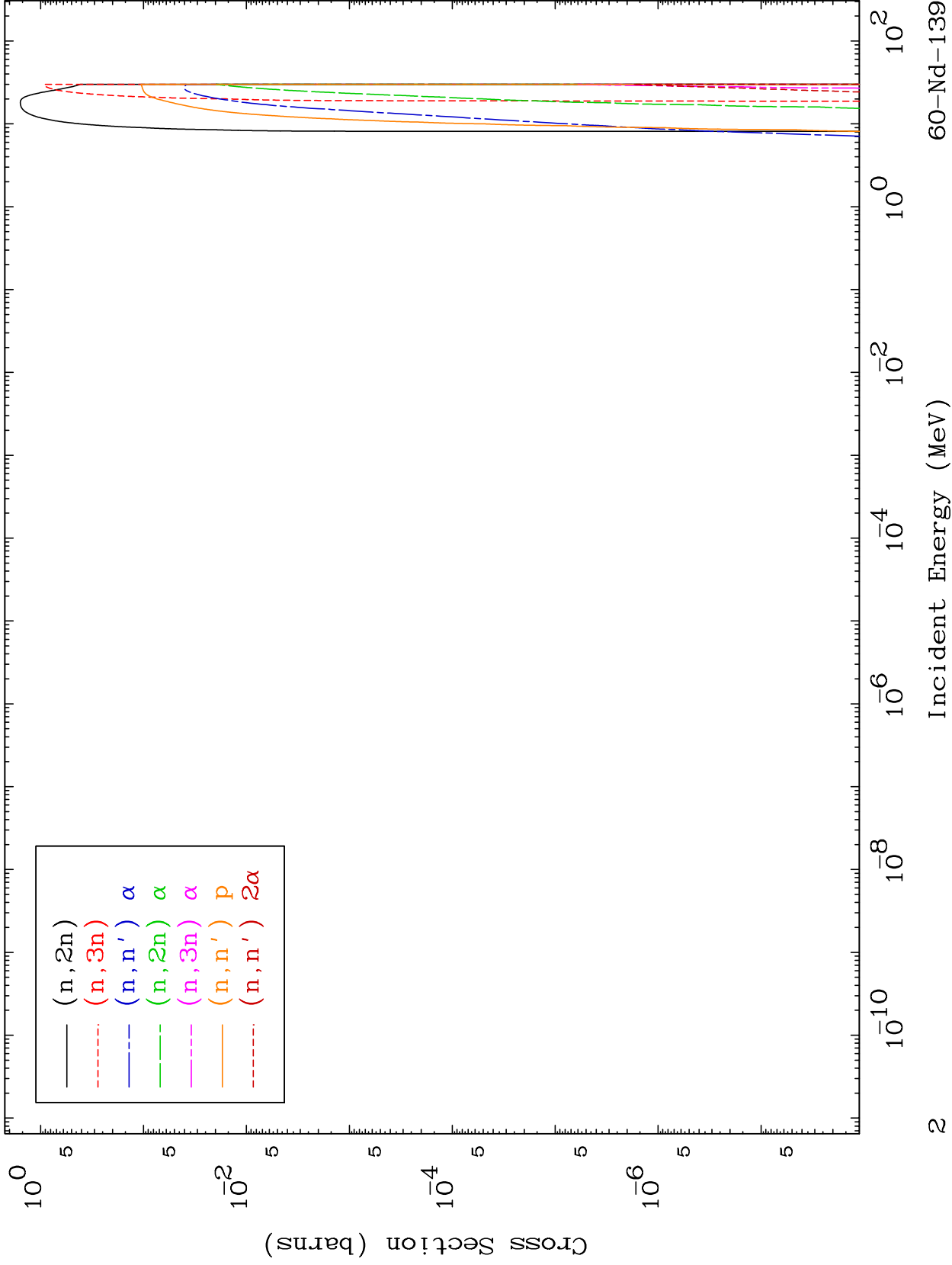
60-Nd-139

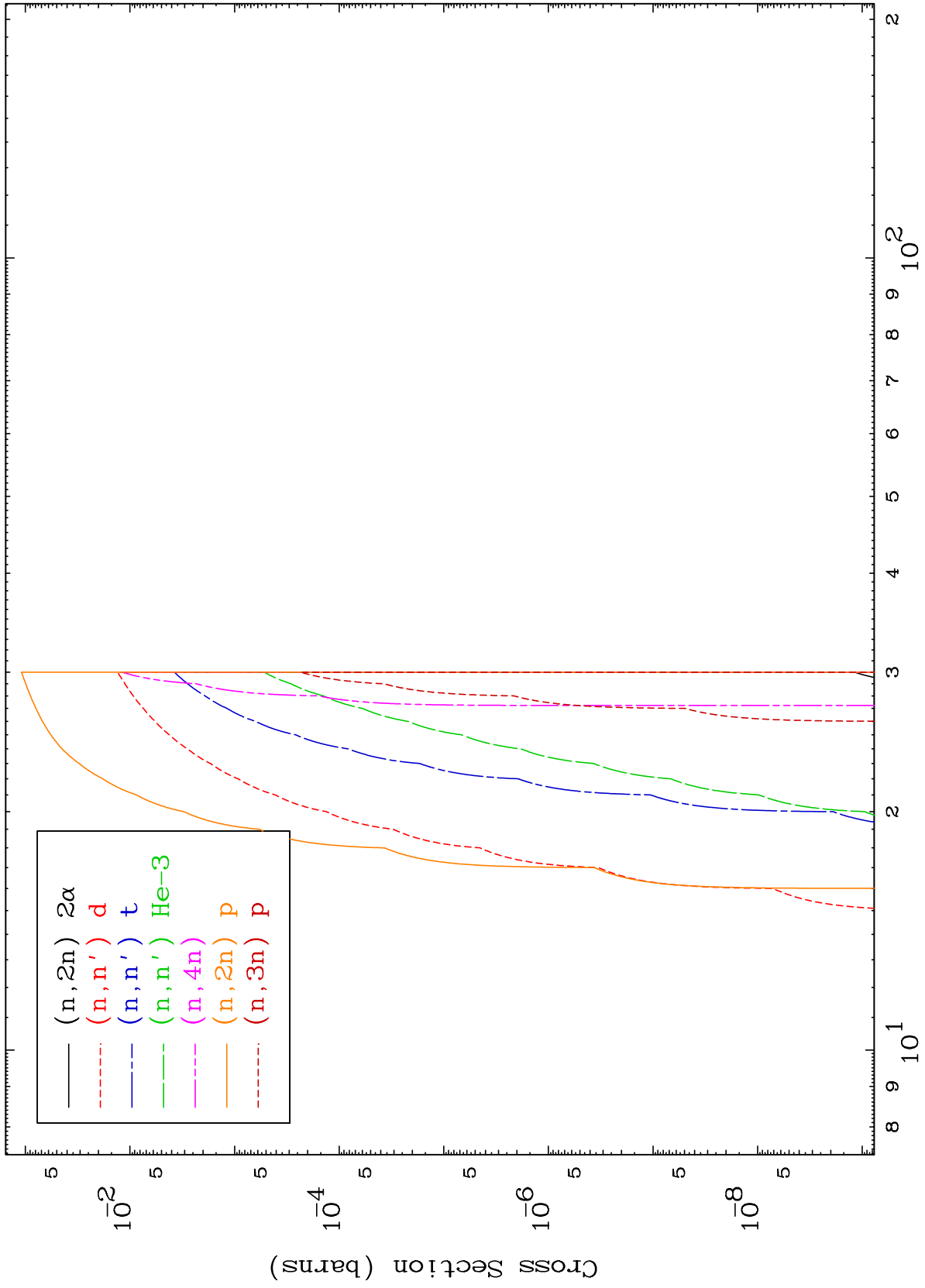


MAT 6016

Neutron Production  
293 Kelvin Cross Sections

60-Nd-139

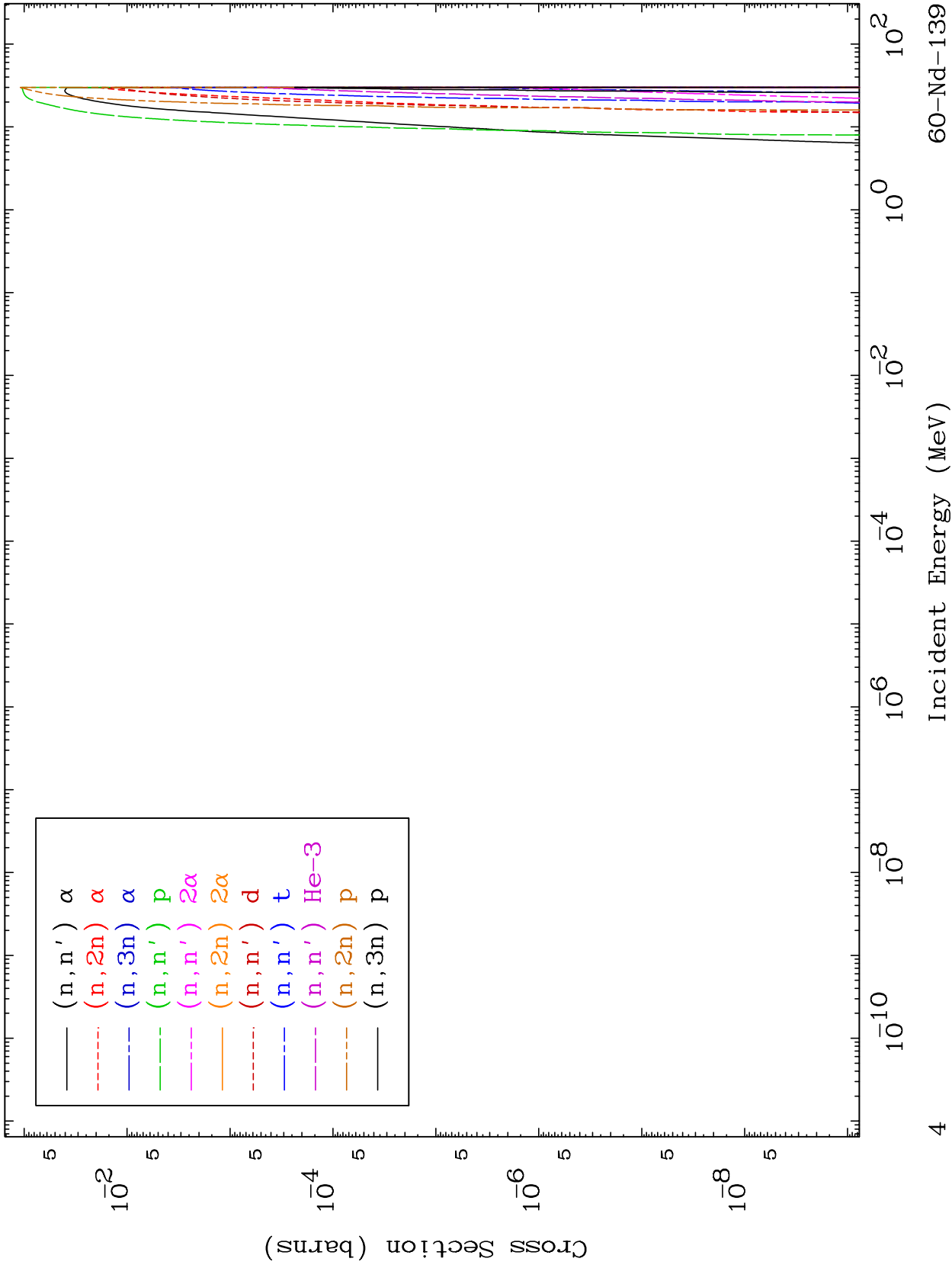




MAT 6016

Charged Particle  
293 Kelvin Cross Sections

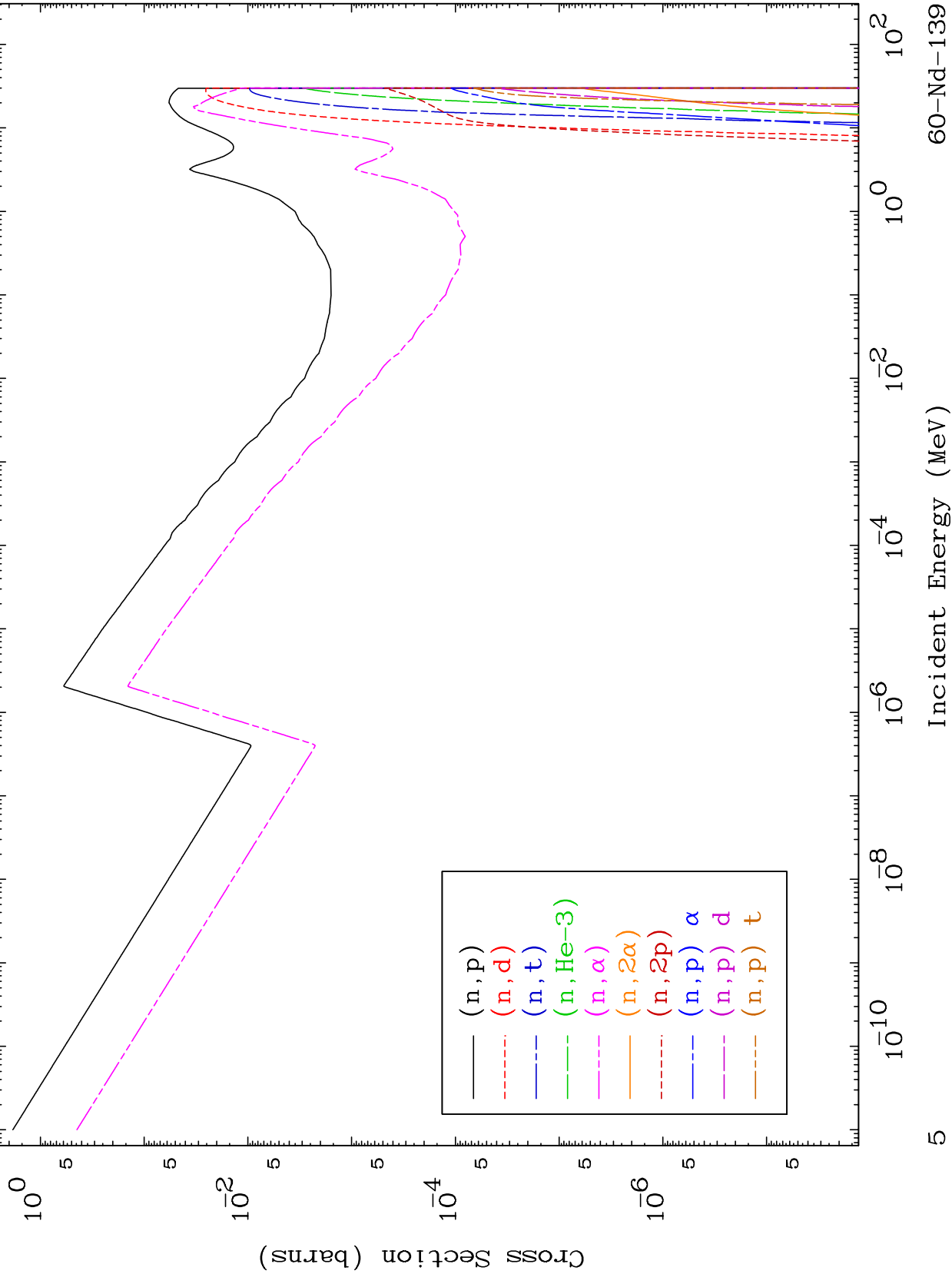
60-Nd-139

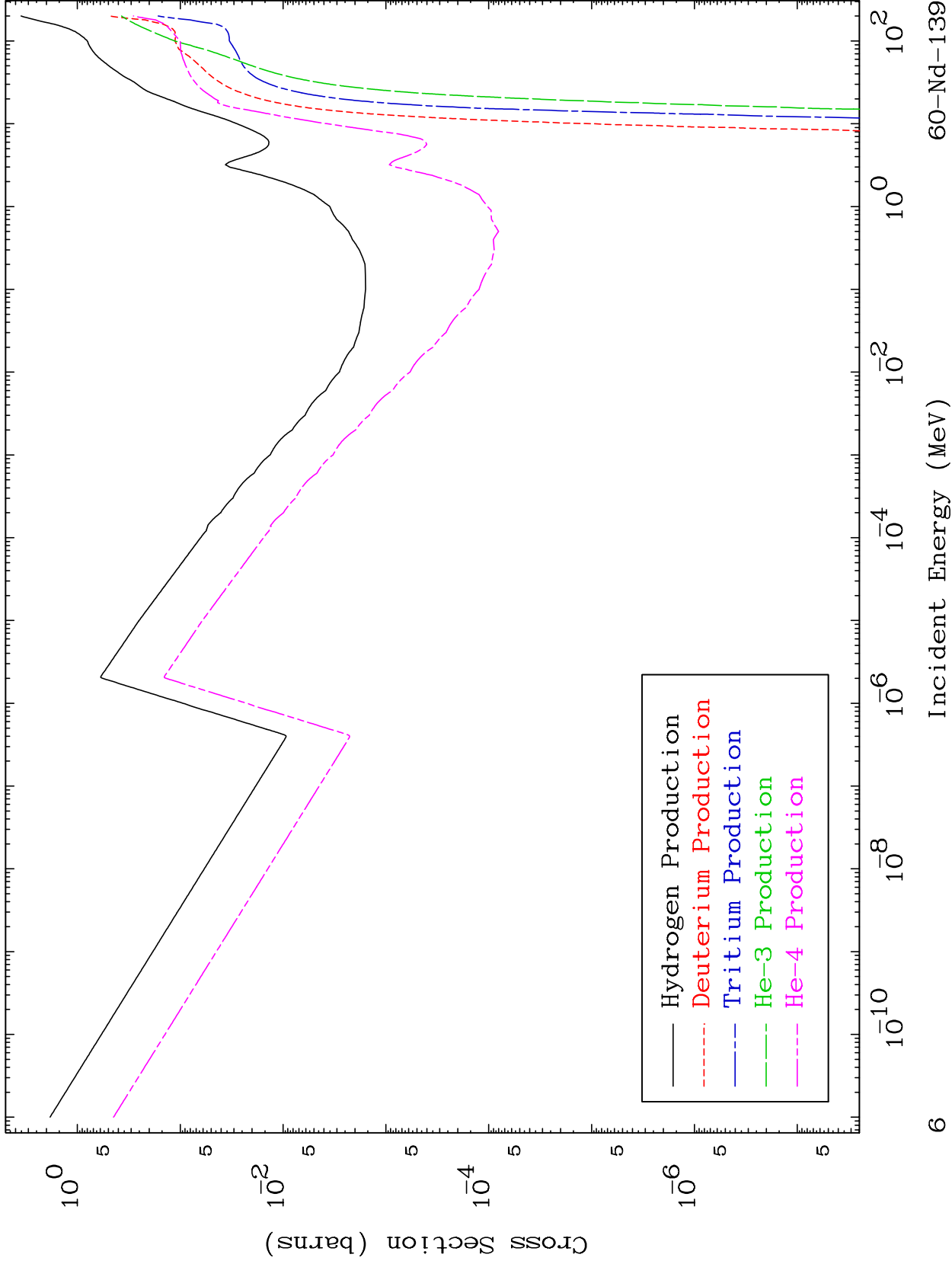


MAT 6016

Charged Particle  
293 Kelvin Cross Sections

60-Nd-139



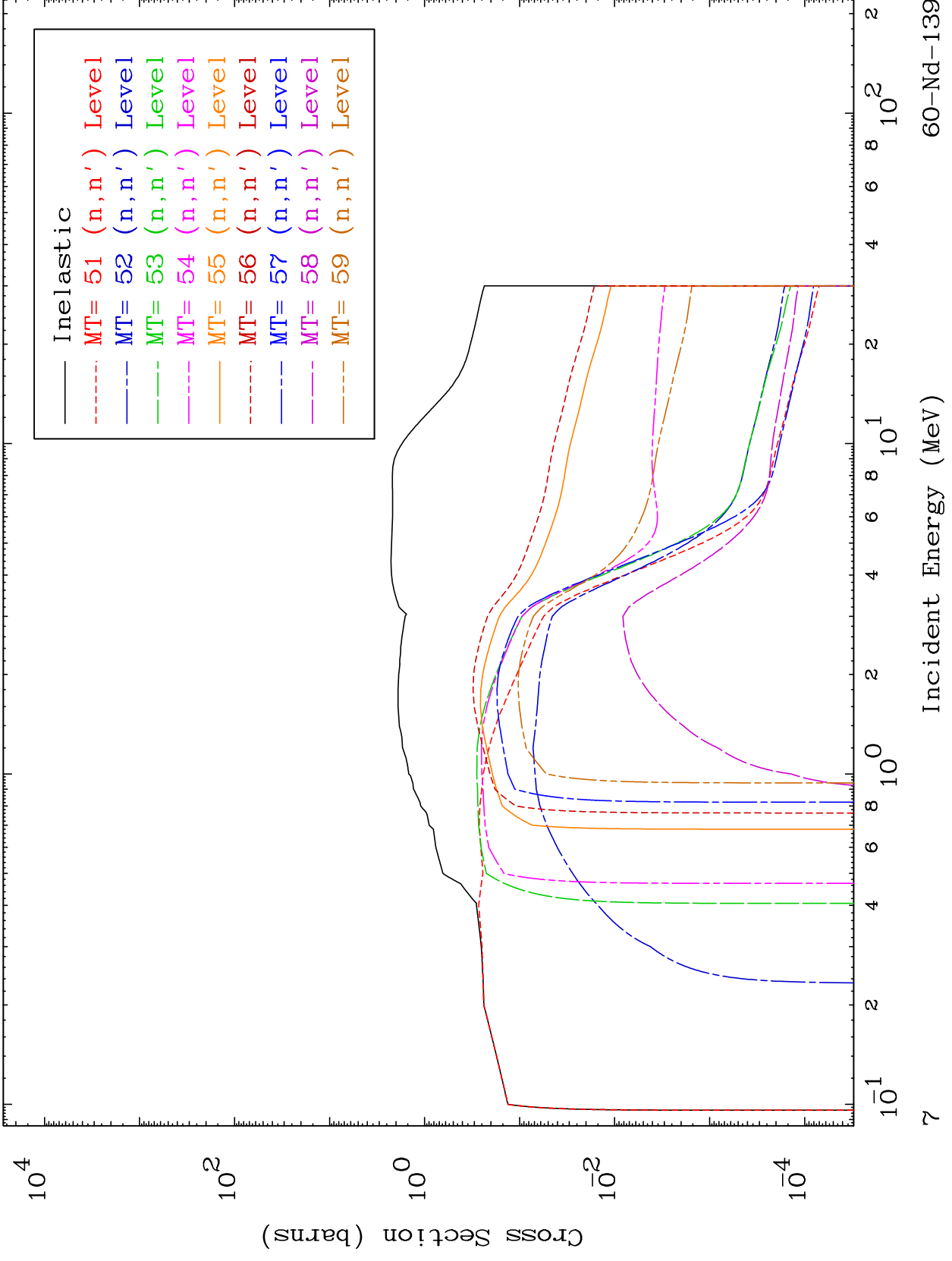


MAT 6016

(n,n') Level

60-Nd-139

293 Kelvin Cross Sections



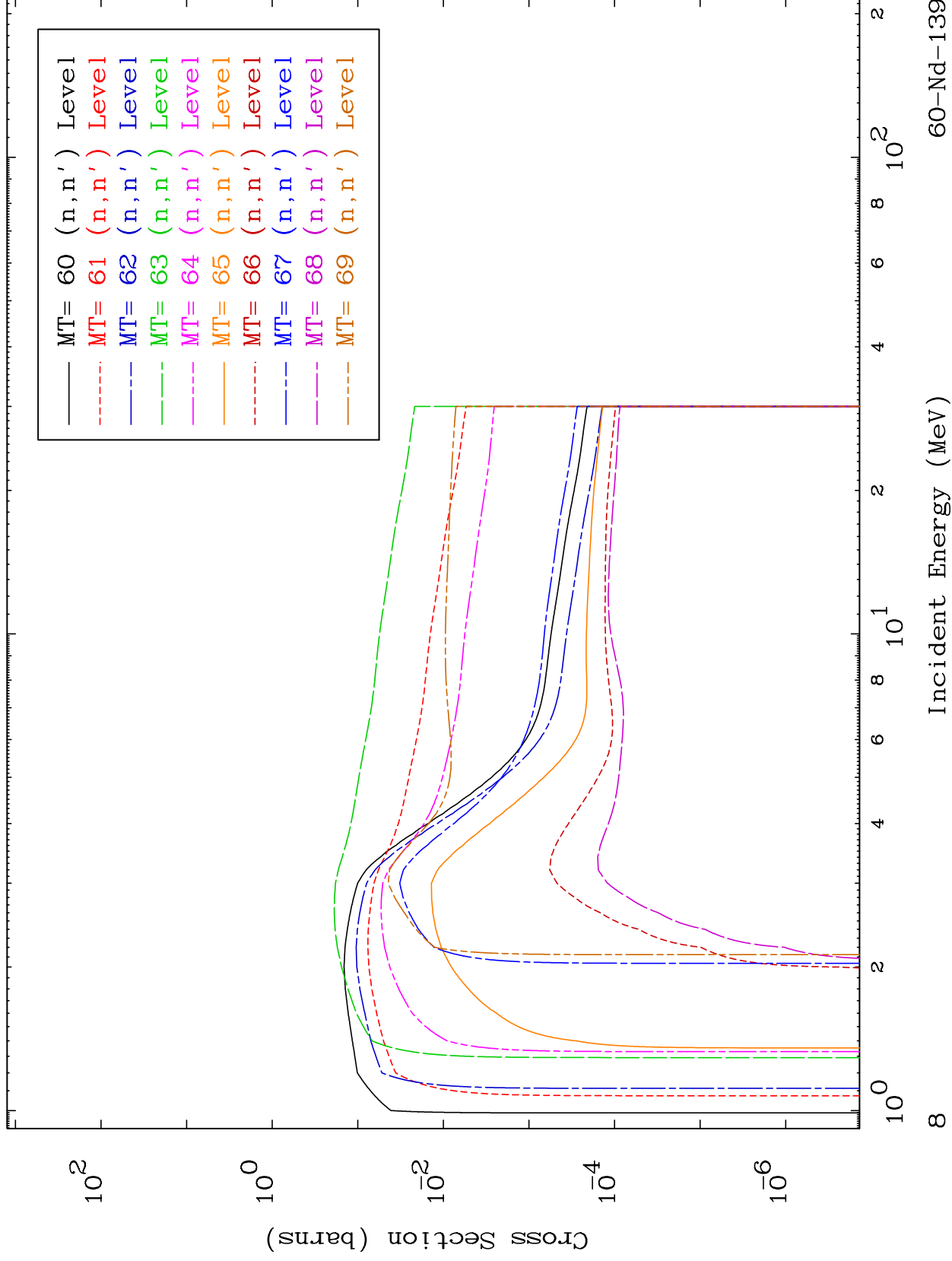


MAT 6016

(n,n') Level

60-Nd-139

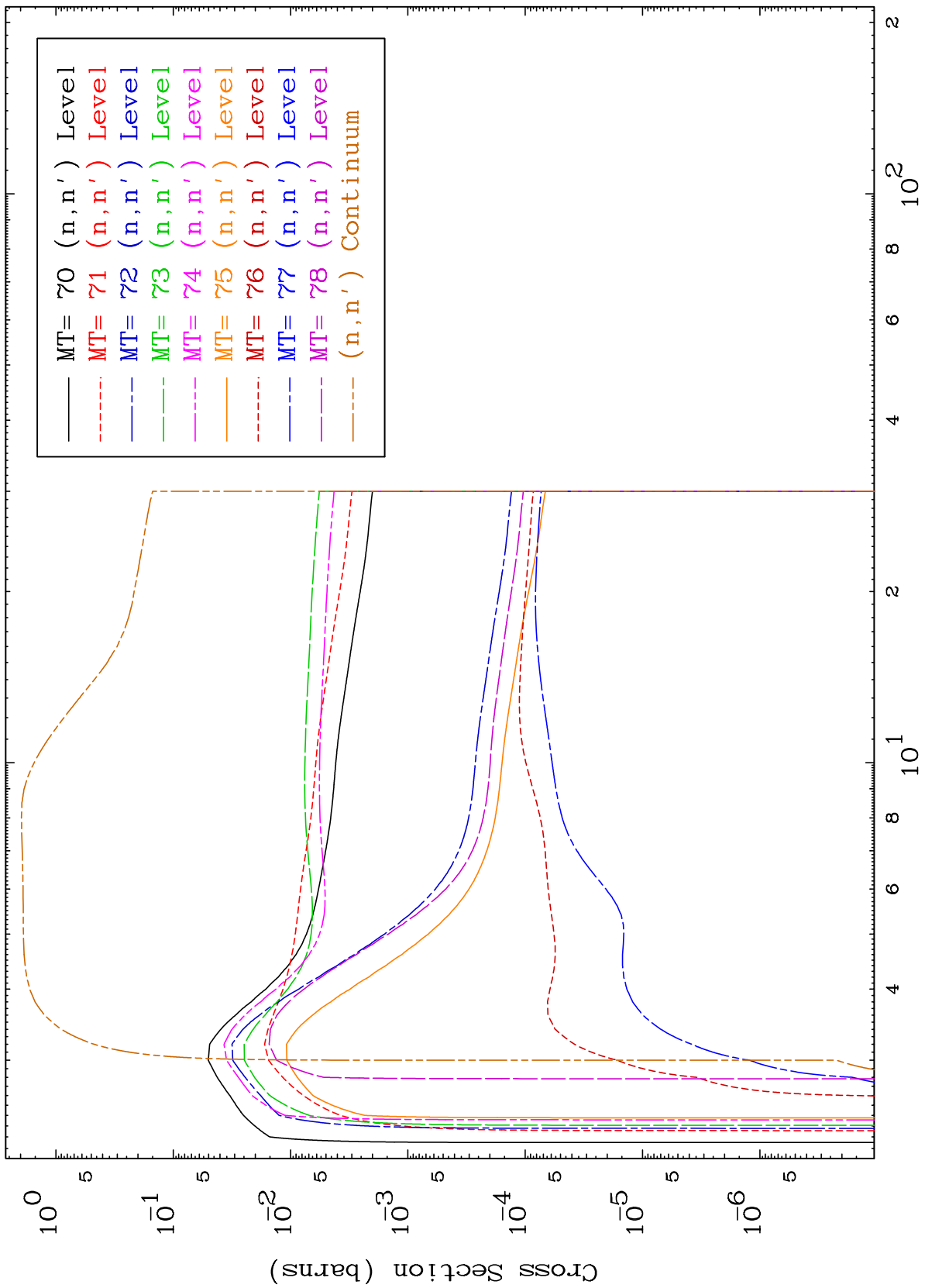
293 Kelvin Cross Sections



Incident Energy (MeV)

60-Nd-139

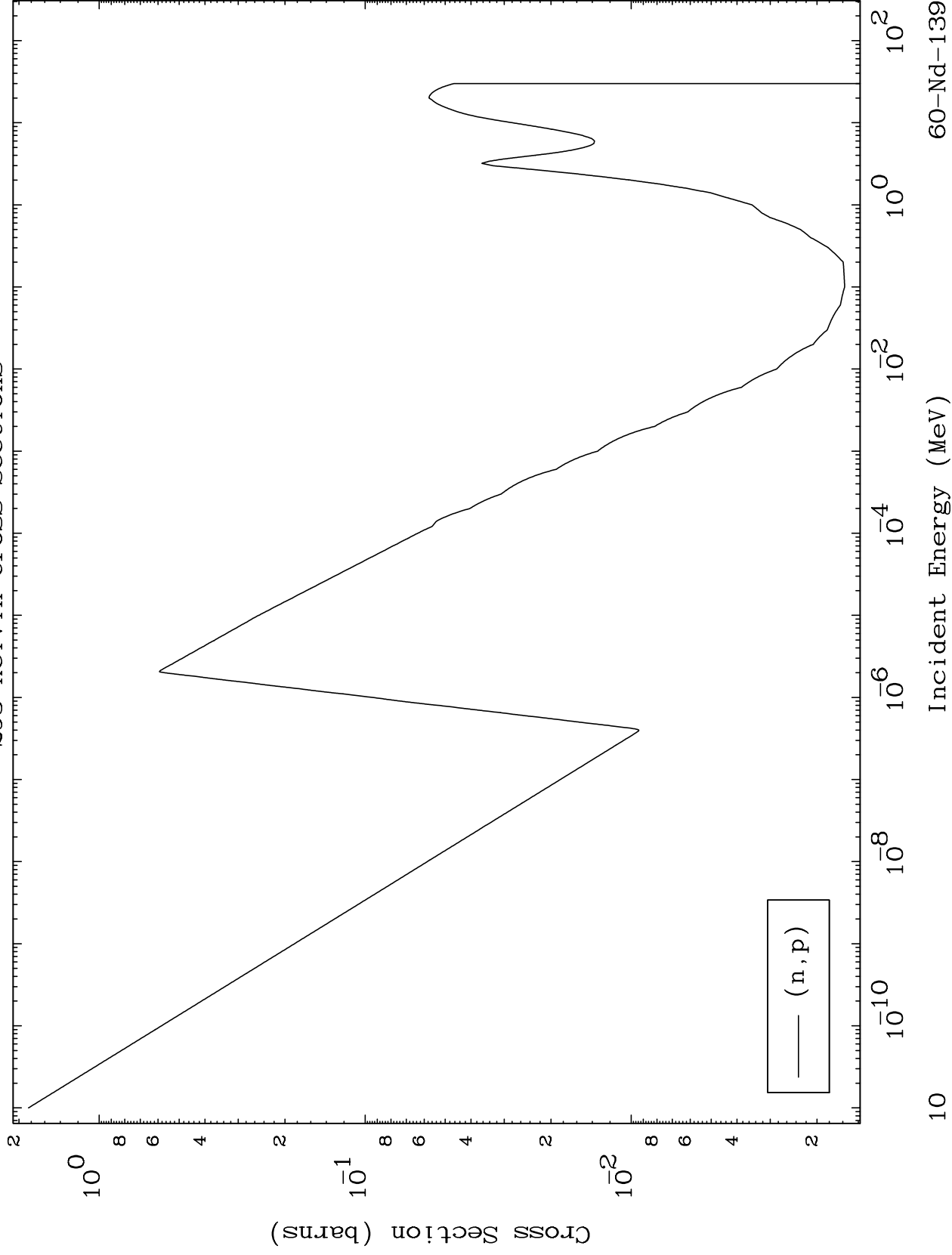
293 Kelvin Cross Sections



MAT 6016

(n,p) Levels  
293 Kelvin Cross Sections

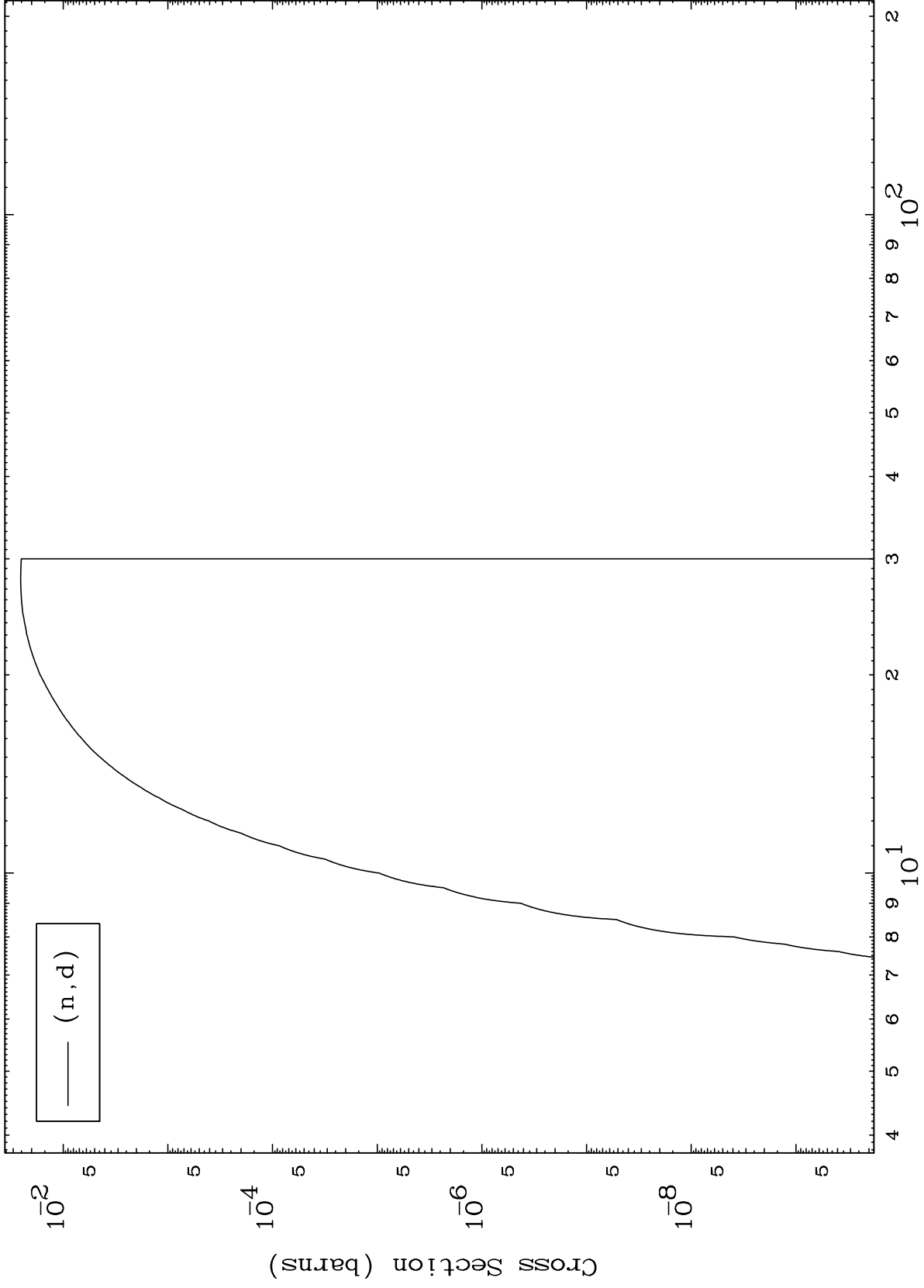
60-Nd-139



MAT 6016

(n,d) Levels  
293 Kelvin Cross Sections

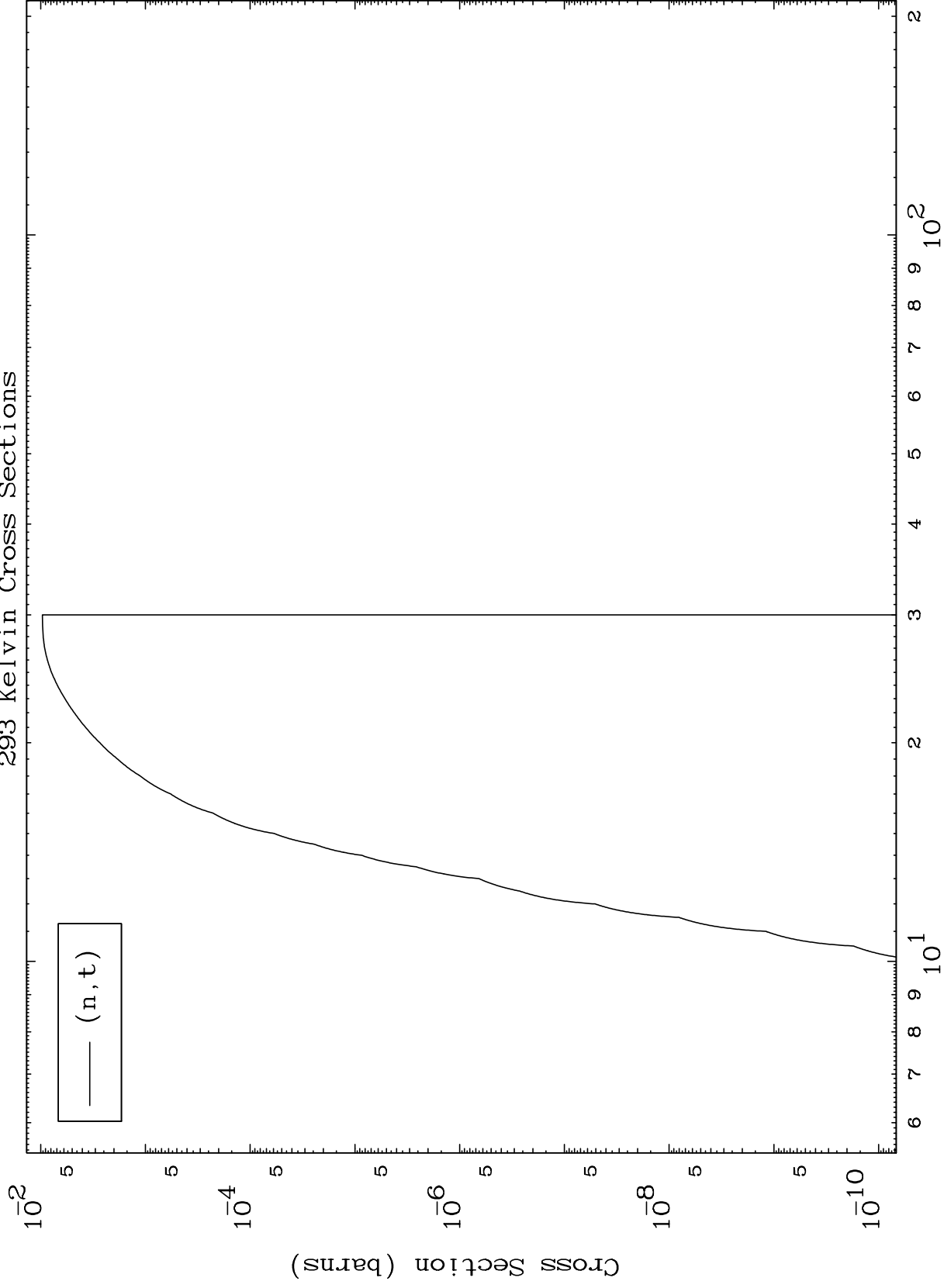
60-Nd-139



MAT 6016

(n,t) Levels  
293 Kelvin Cross Sections

60-Nd-139



12

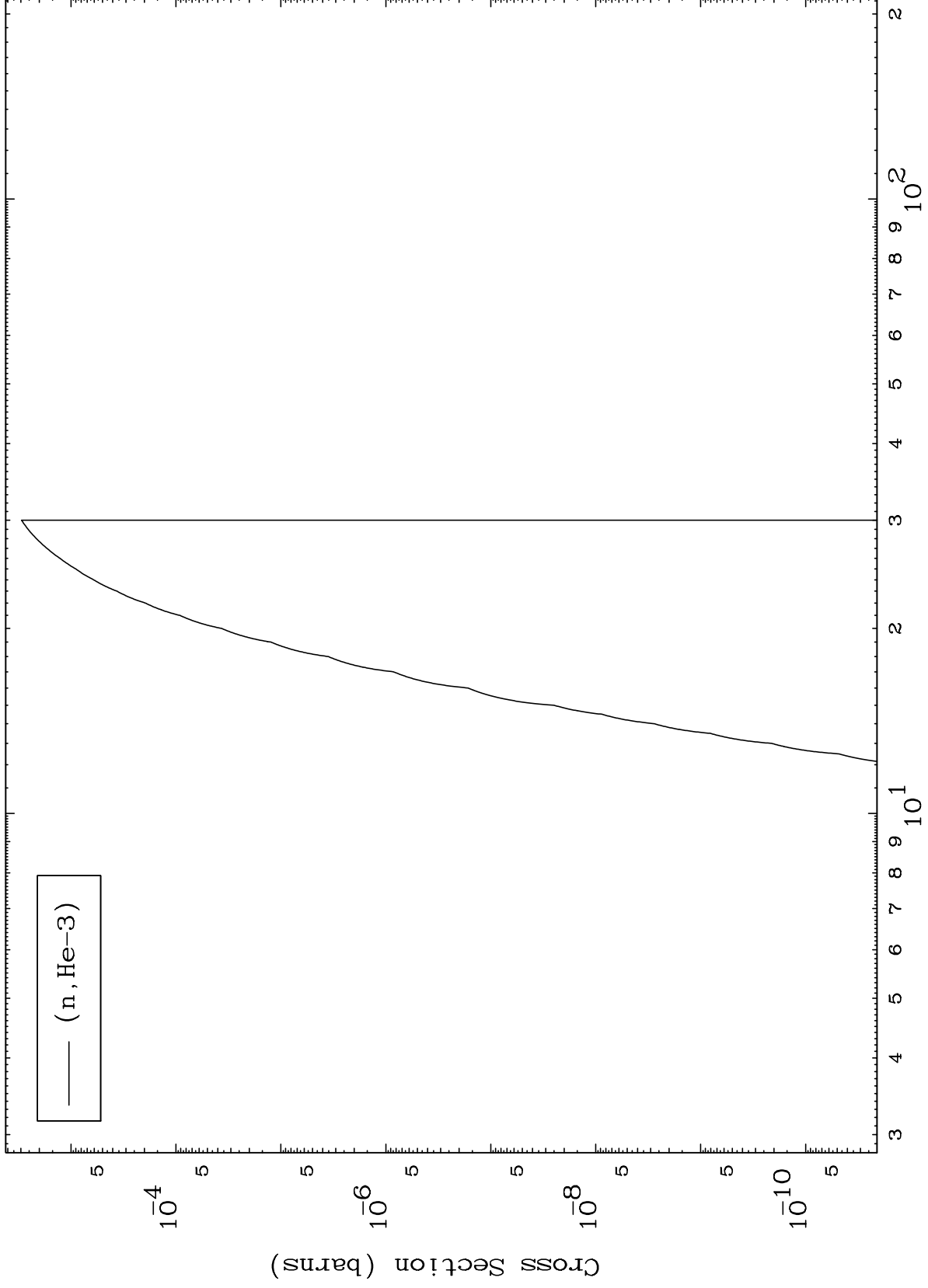
Incident Energy (MeV)

60-Nd-139

MAT 6016

(n,He3) Levels  
293 Kelvin Cross Sections

60-Nd-139



13

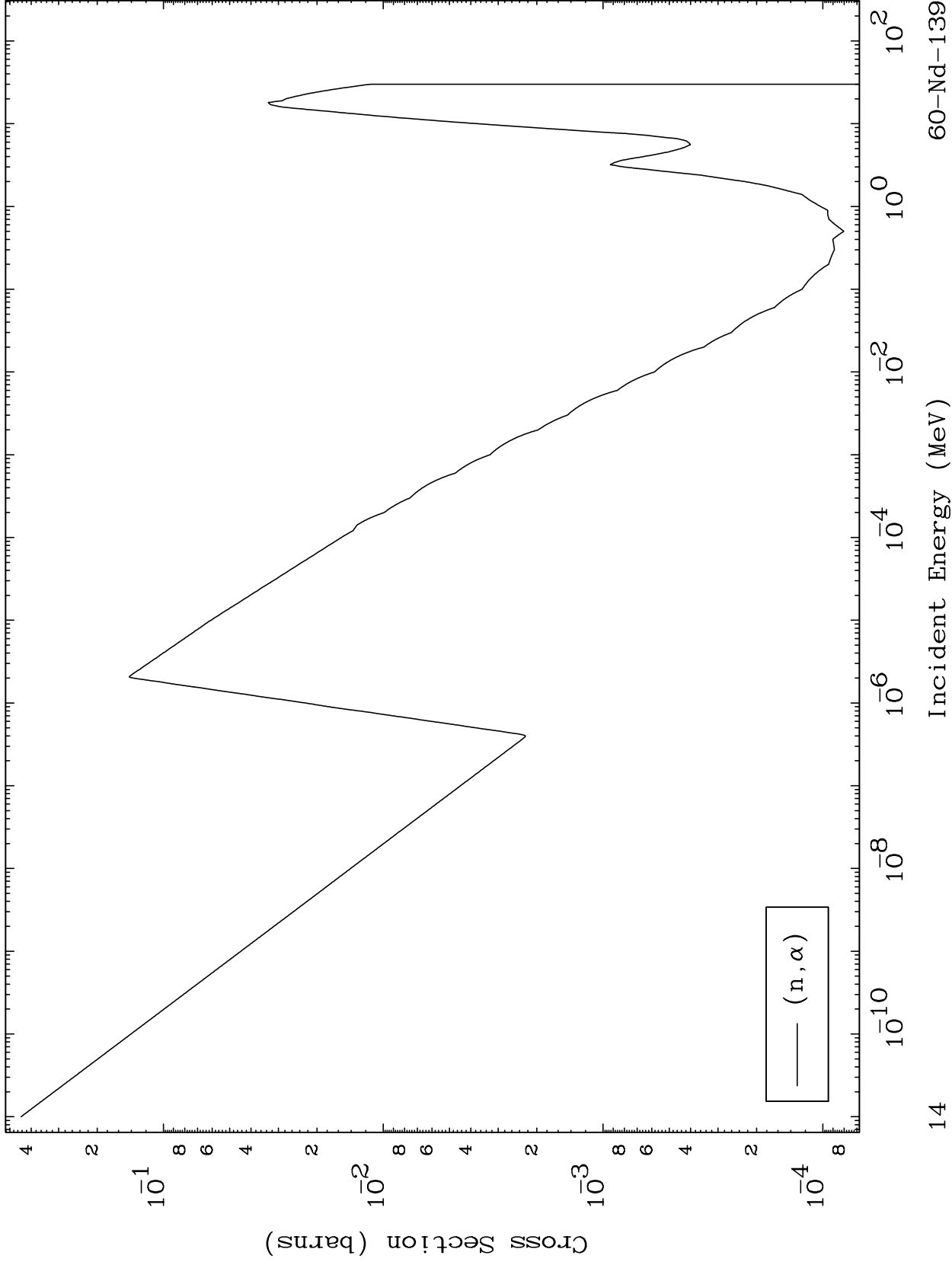
Incident Energy (MeV)

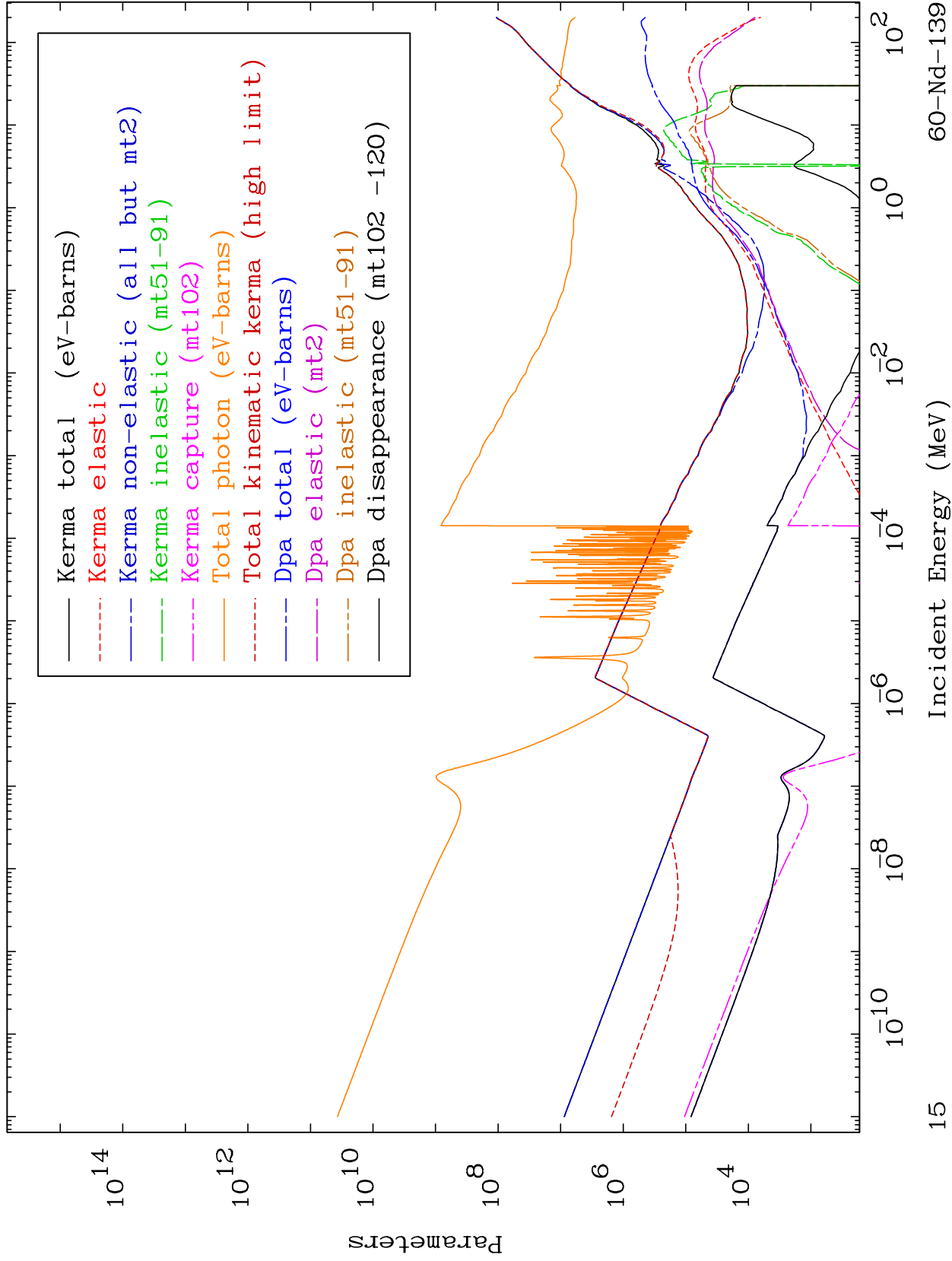
60-Nd-139

MAT 6016

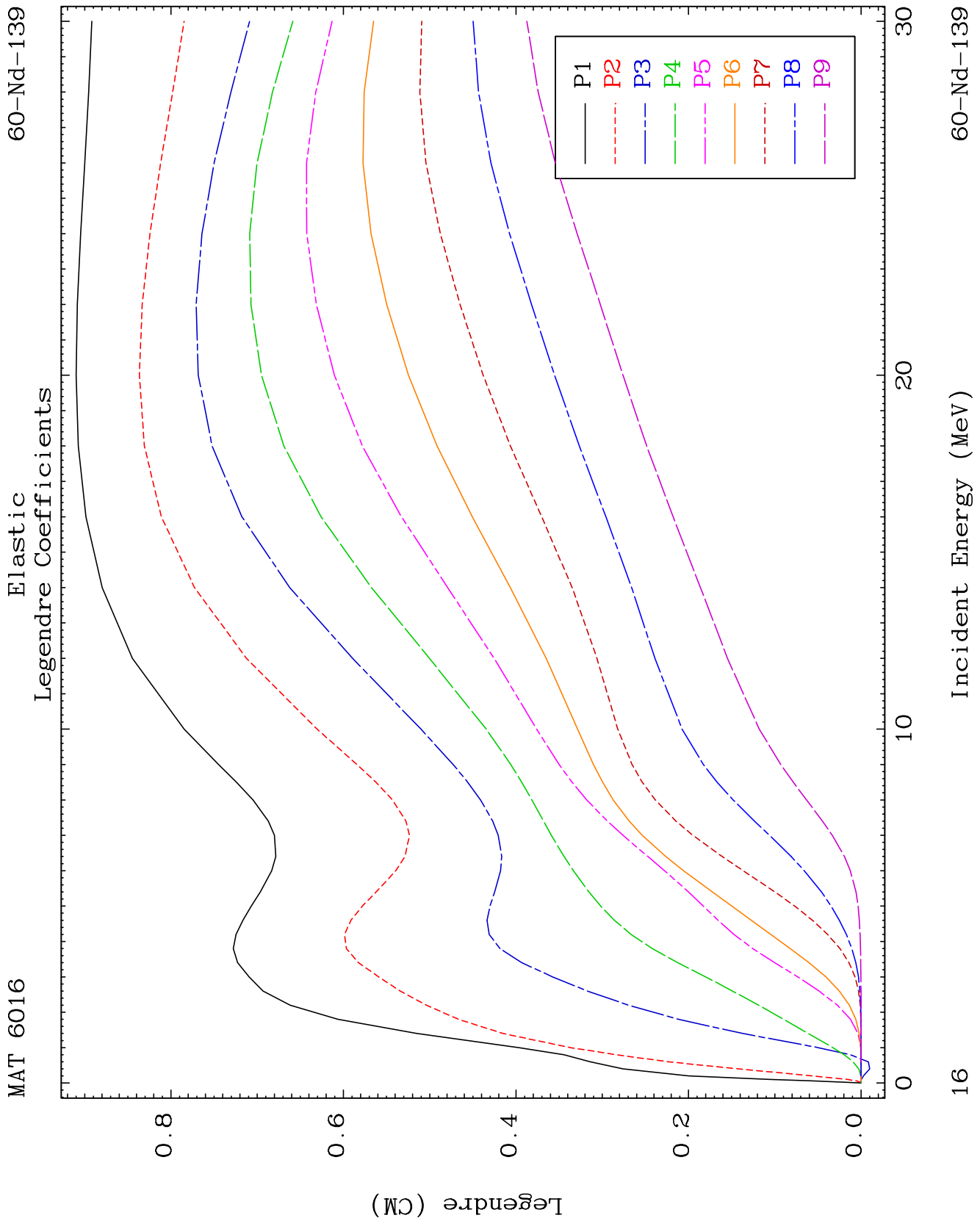
(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

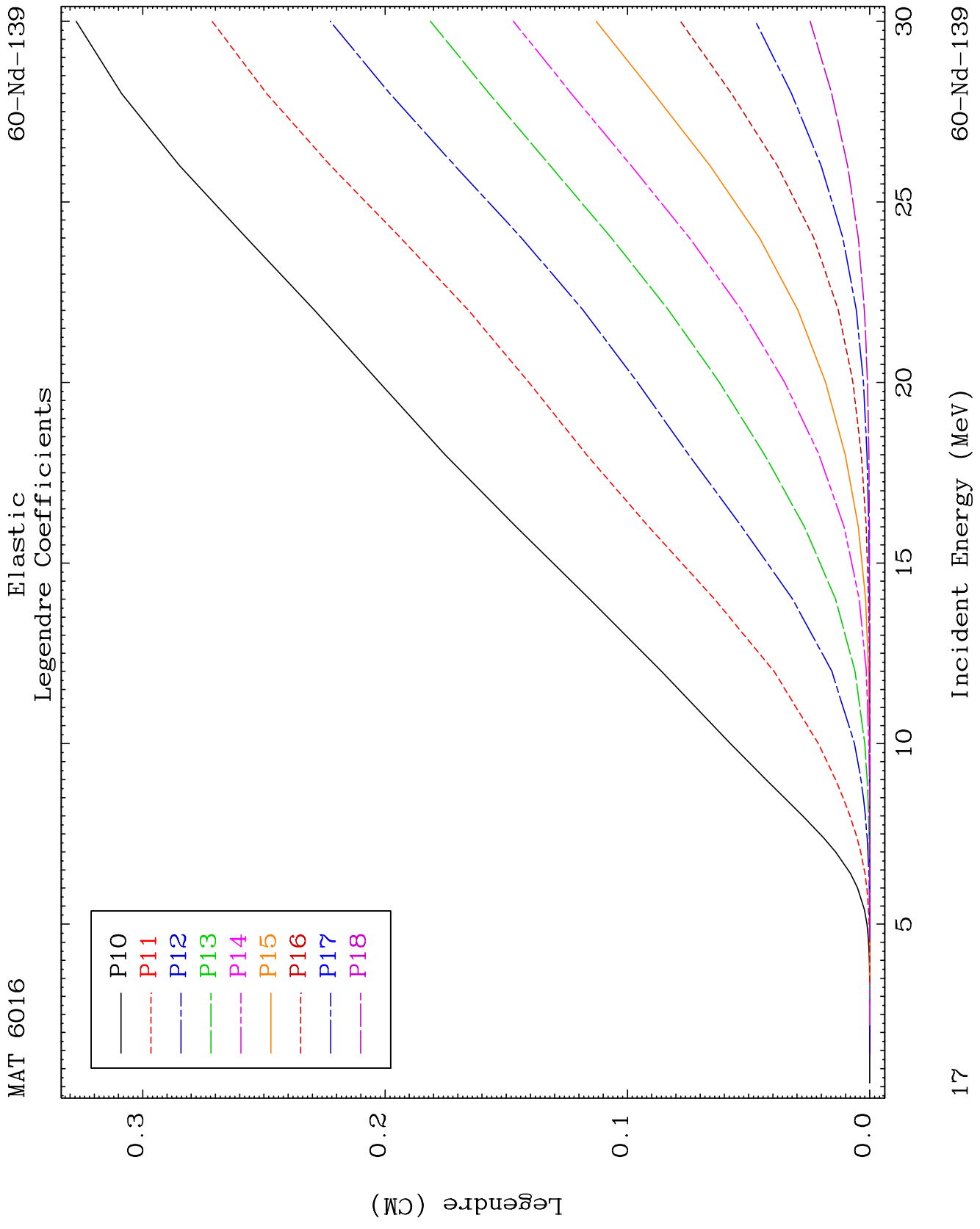
60-Nd-139







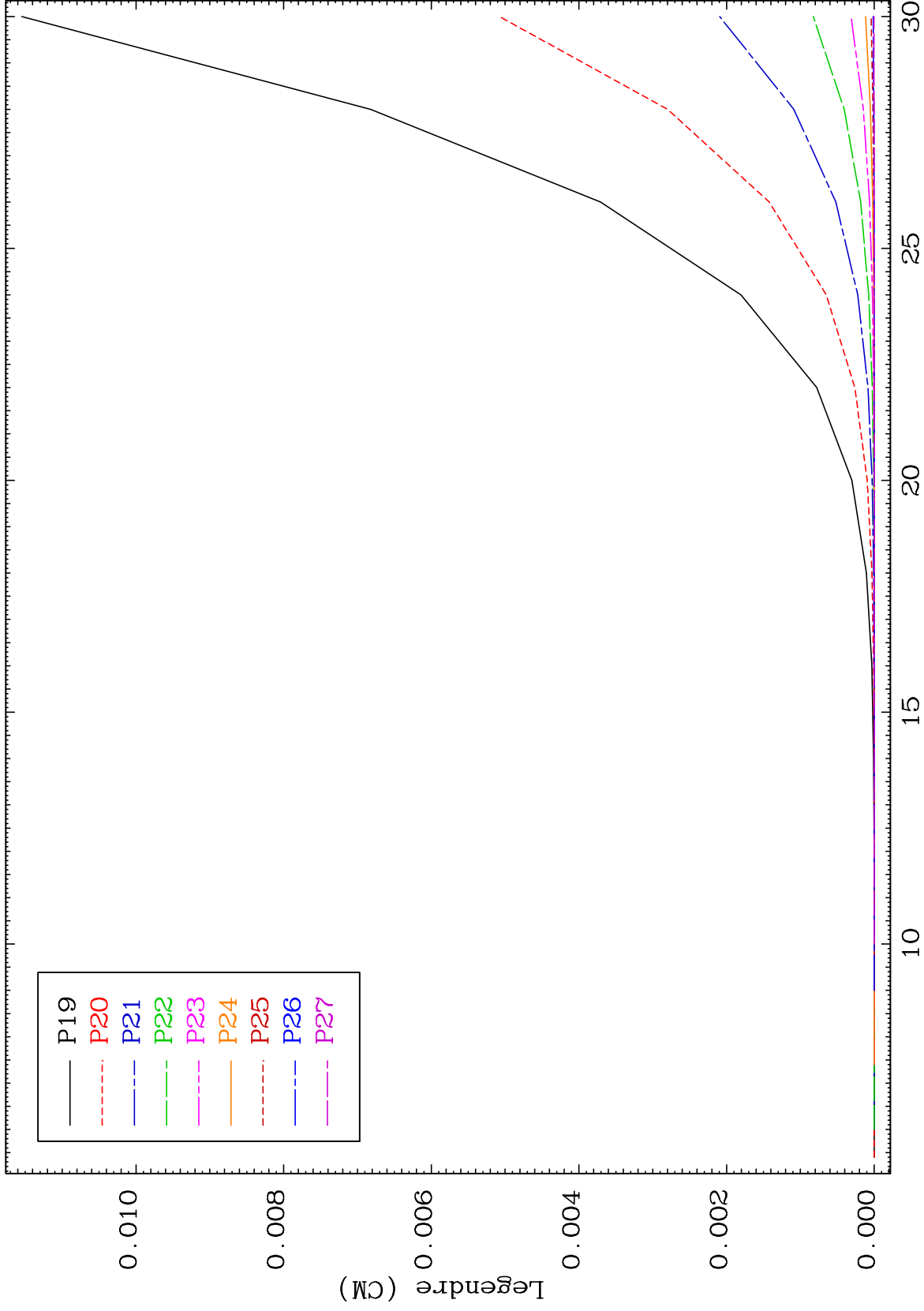




MAT 6016

Elastic  
Legendre Coefficients

60-Nd-139



18

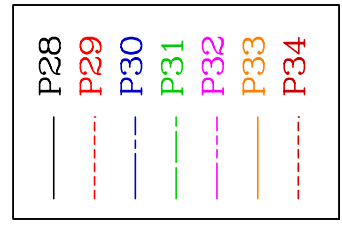
Incident Energy (MeV)

60-Nd-139

MAT 6016

Elastic Legendre Coefficients

60-Nd-139



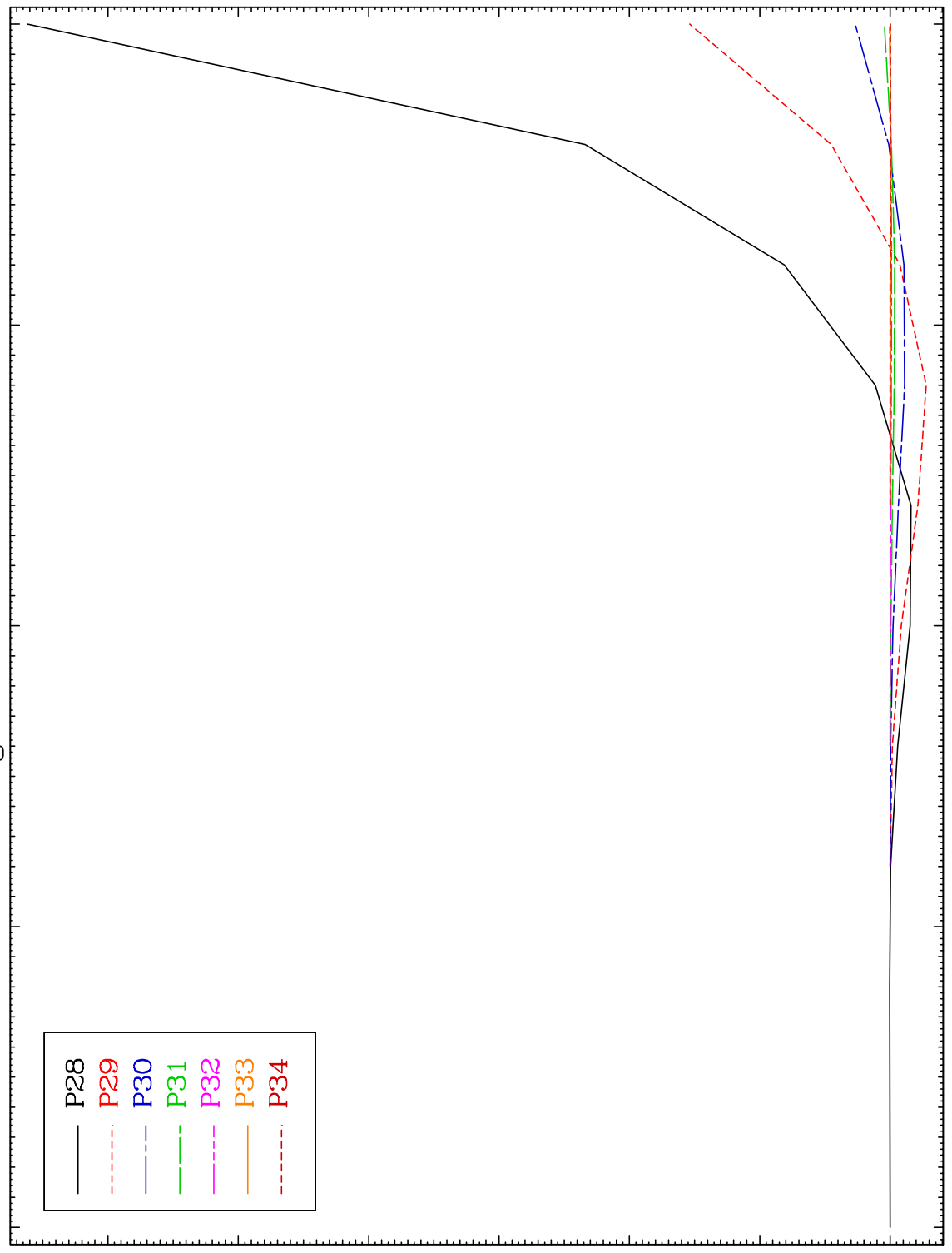
$\times 10^{-6}$   
1.2  
1.0  
0.8  
0.6  
0.4  
0.2  
0.0

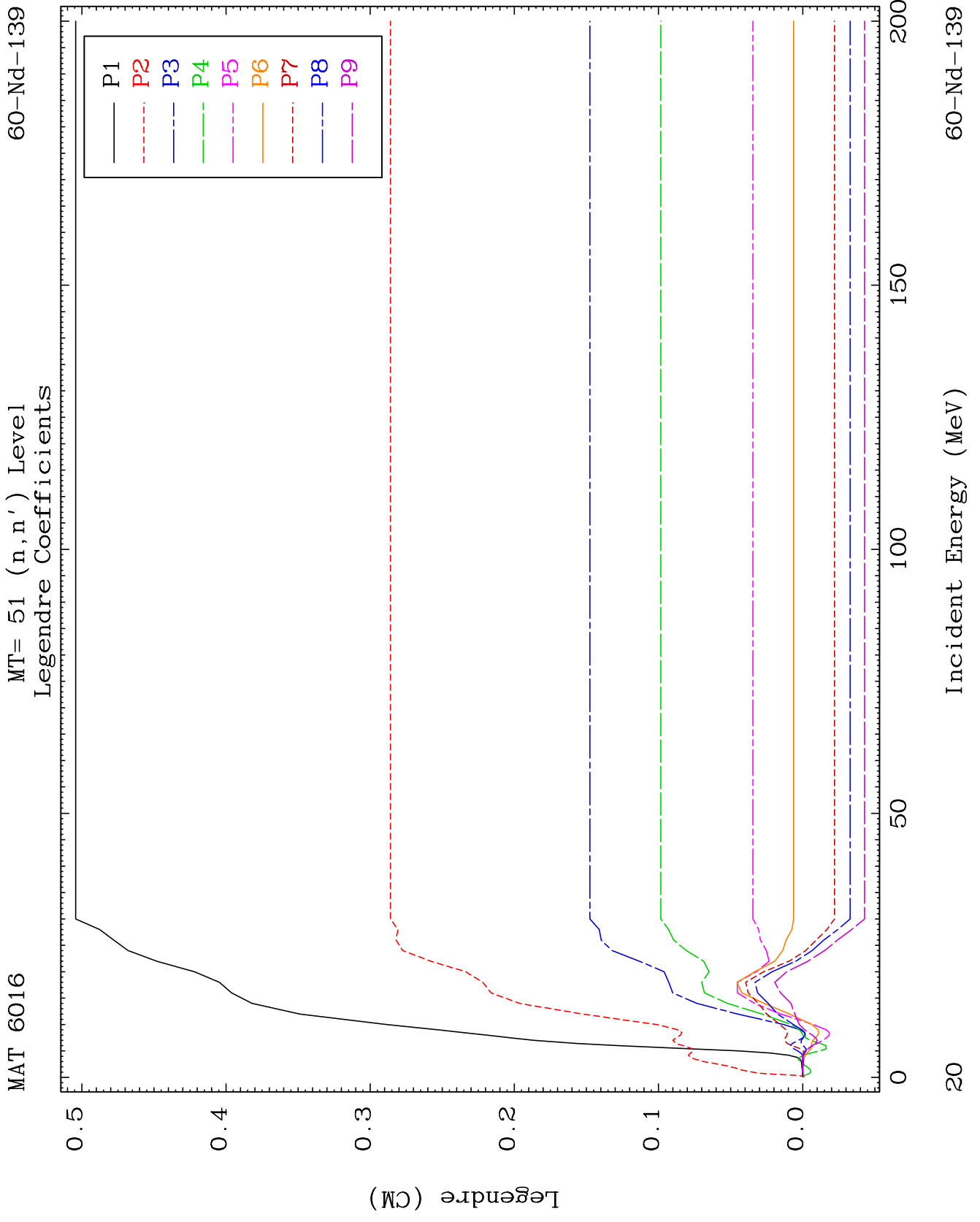
Legendre (CM)

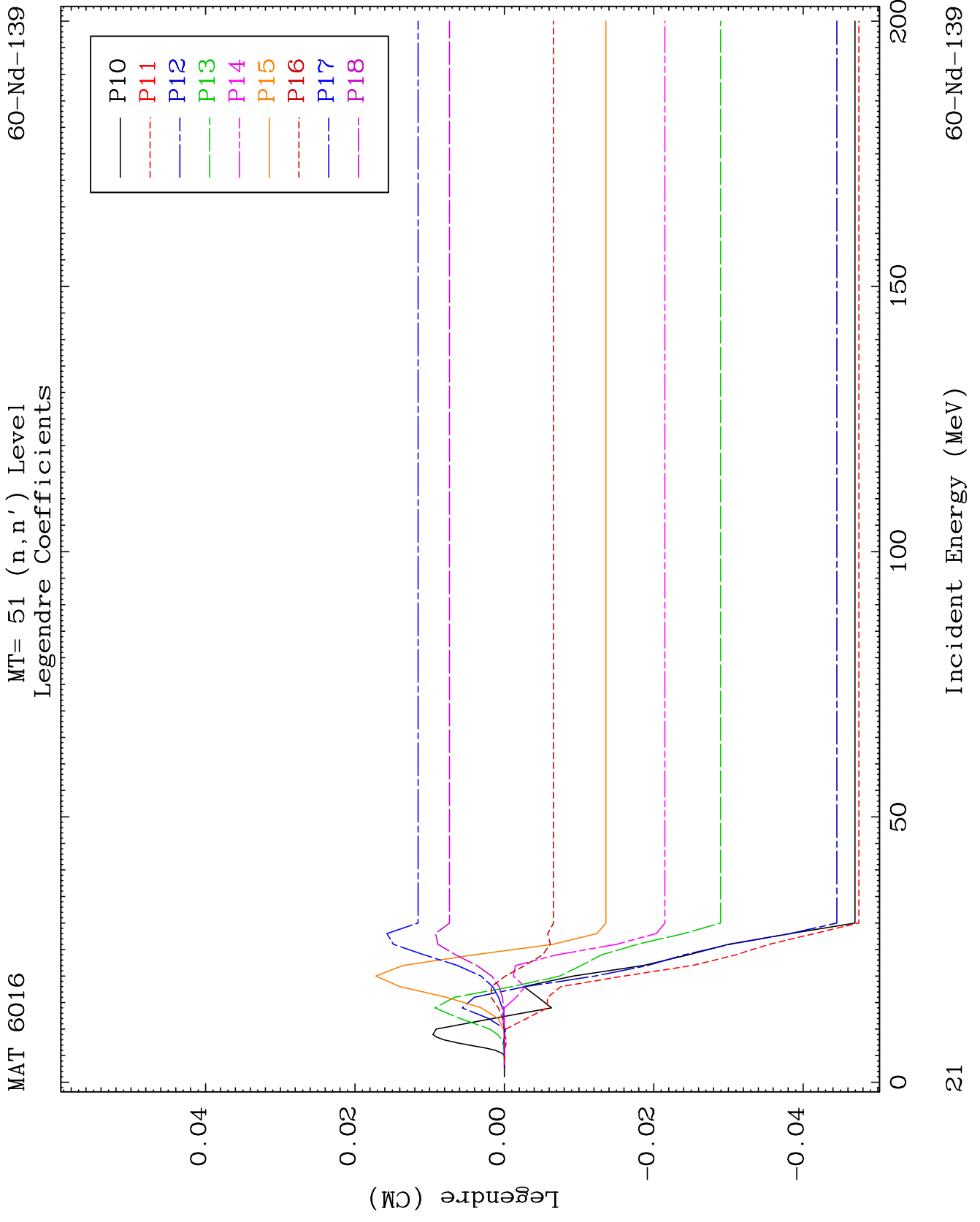
10 15 20 25 30

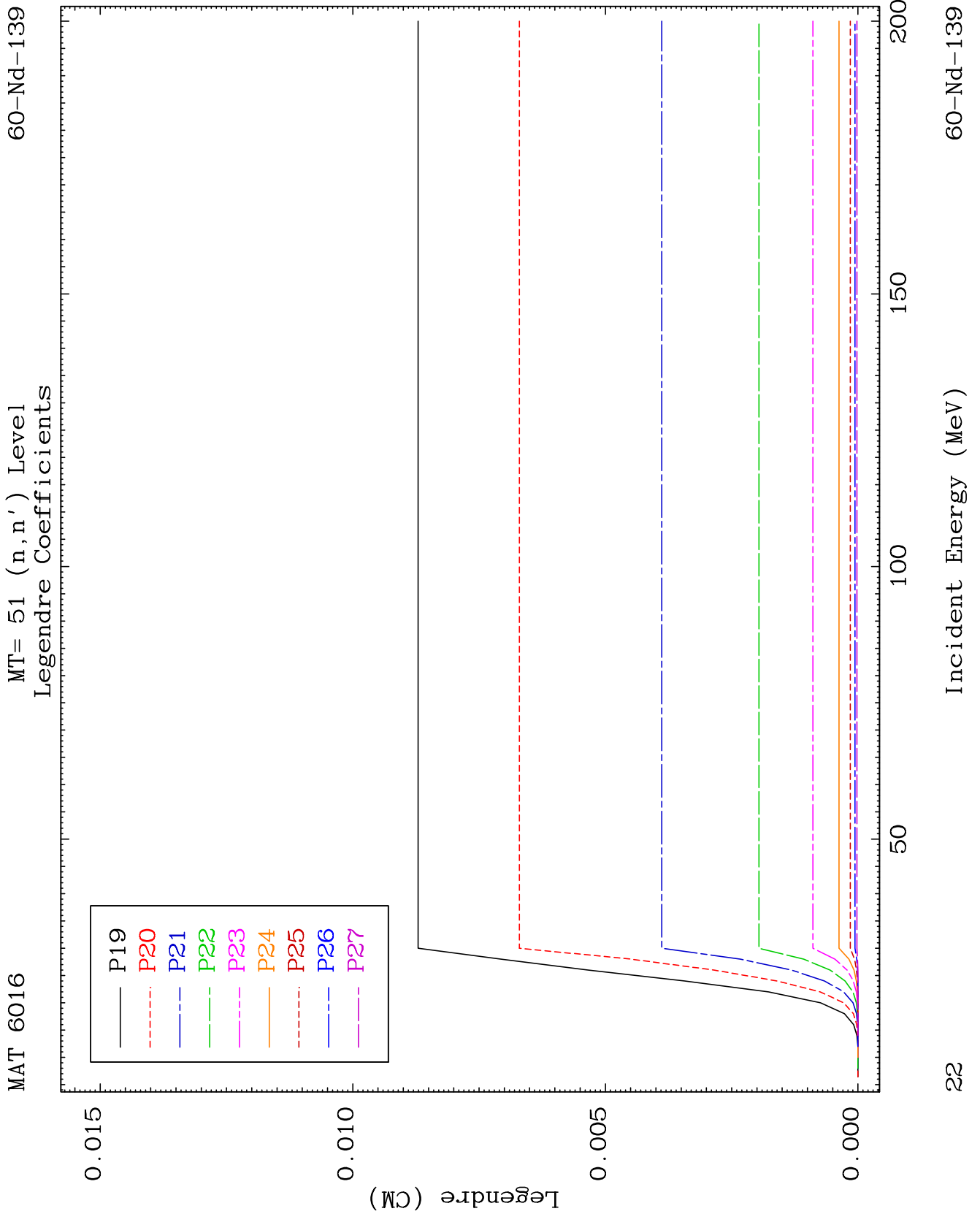
Incident Energy (MeV)

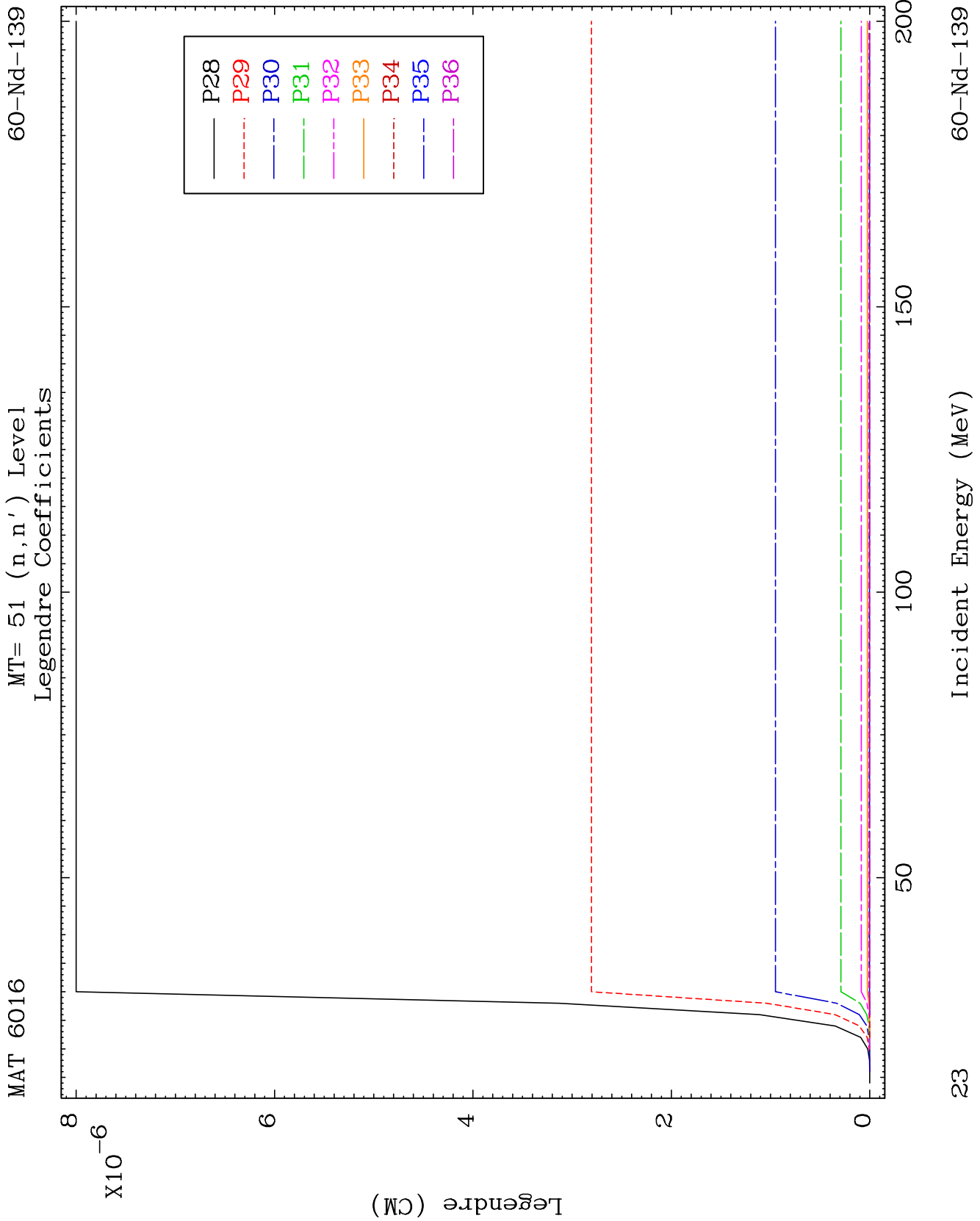
60-Nd-139









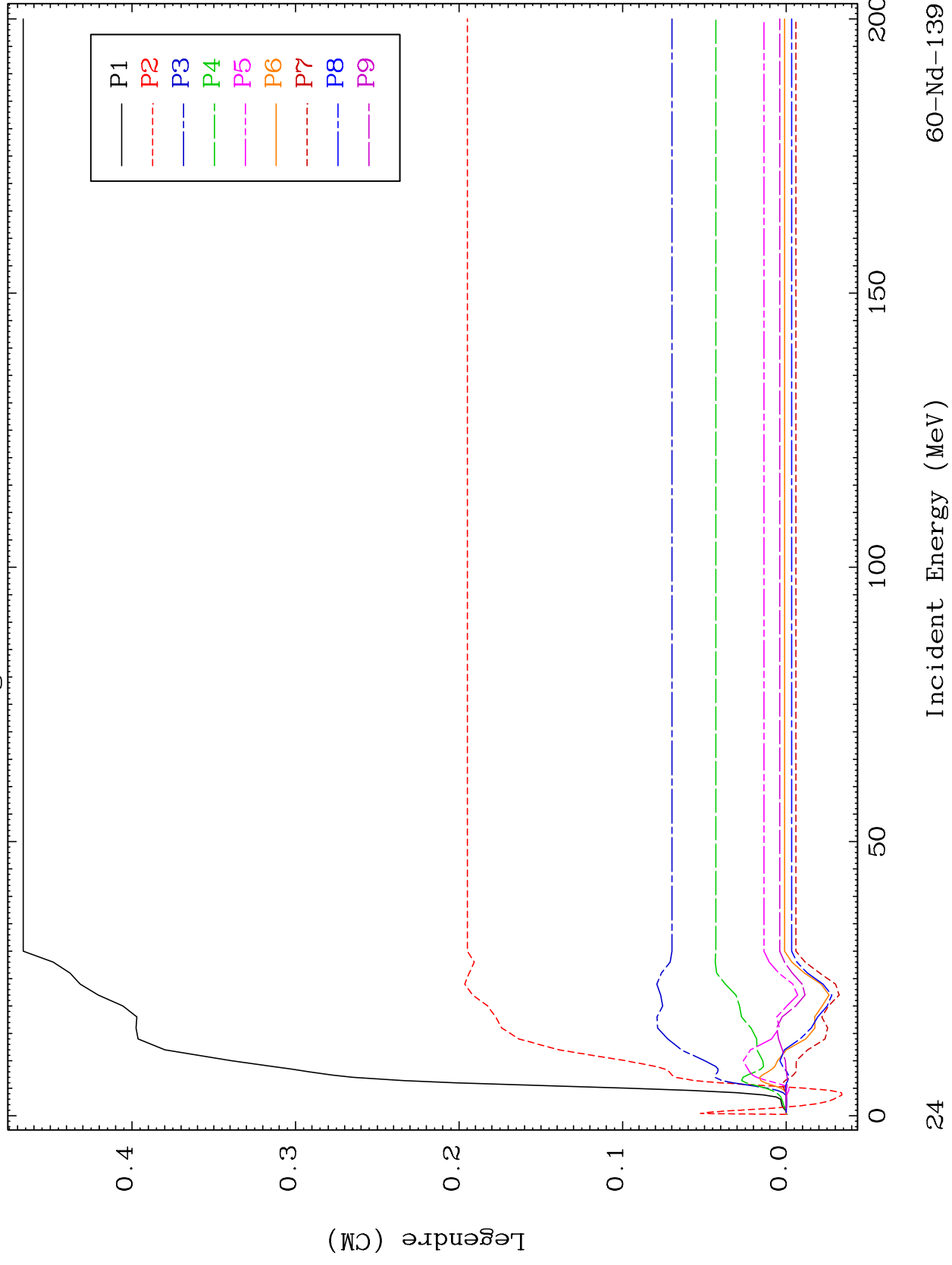




MAT 6016

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

60-Nd-139

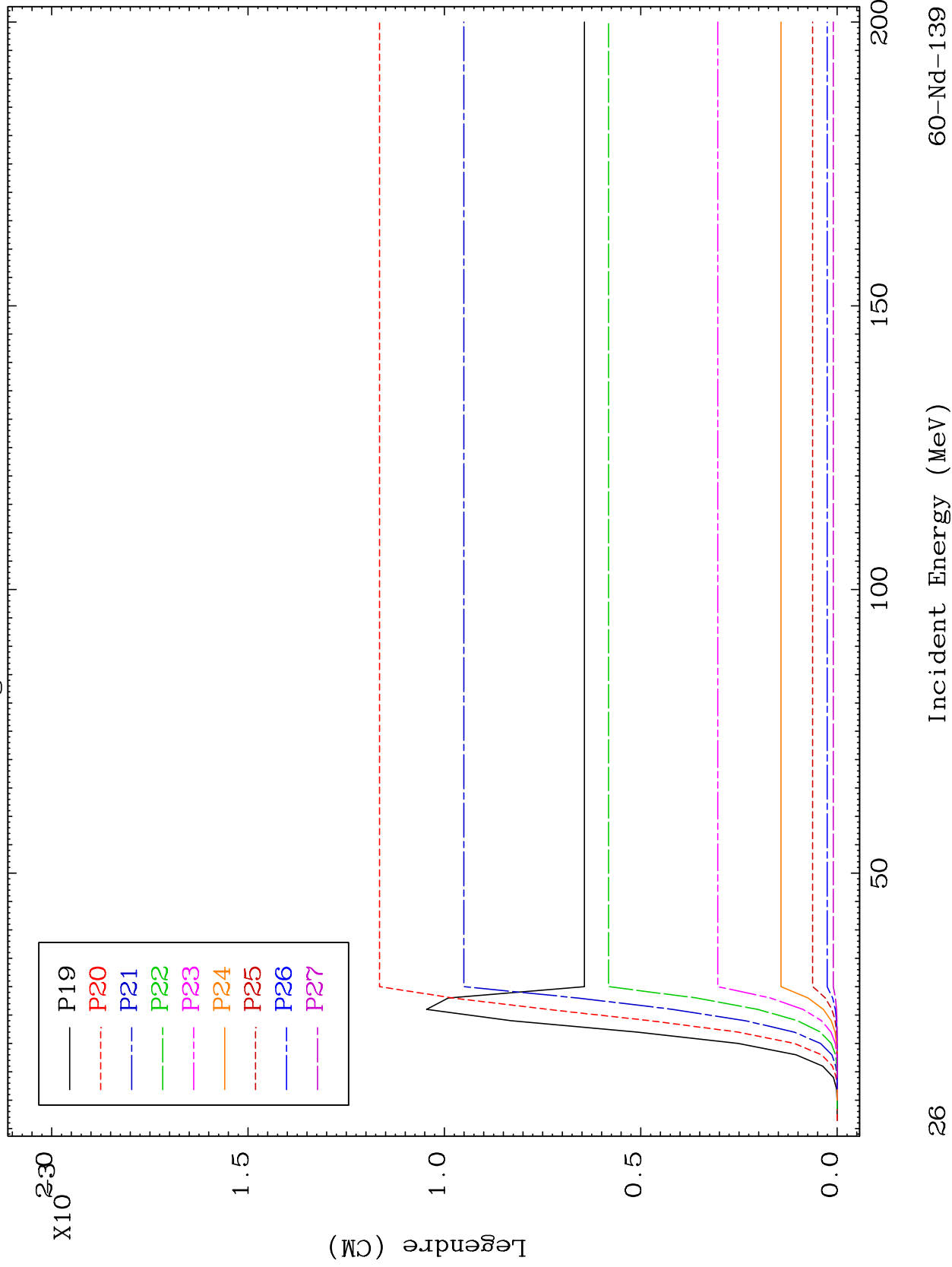


60-Nd-139

Incident Energy (MeV)

24

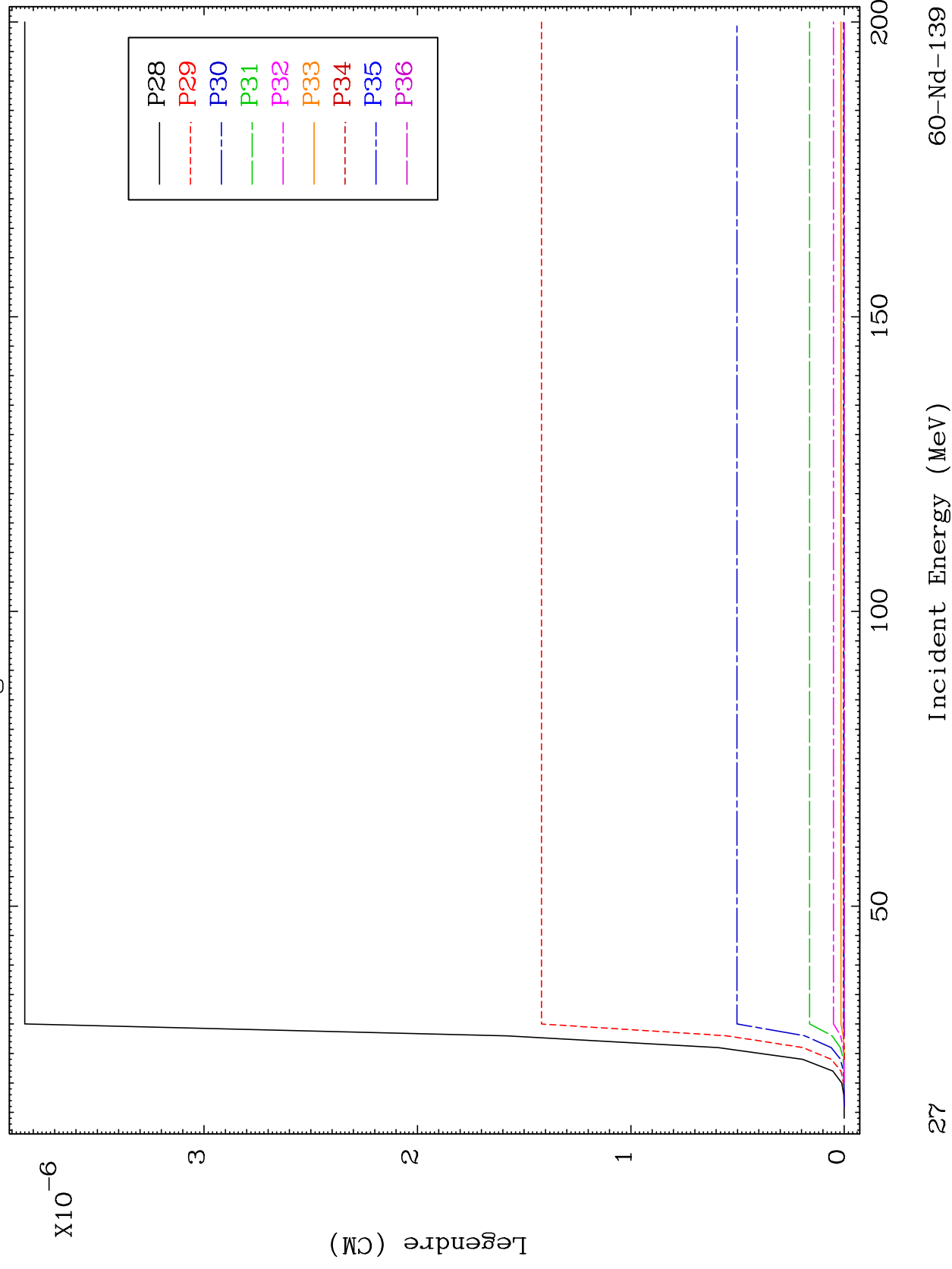




MAT 6016

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

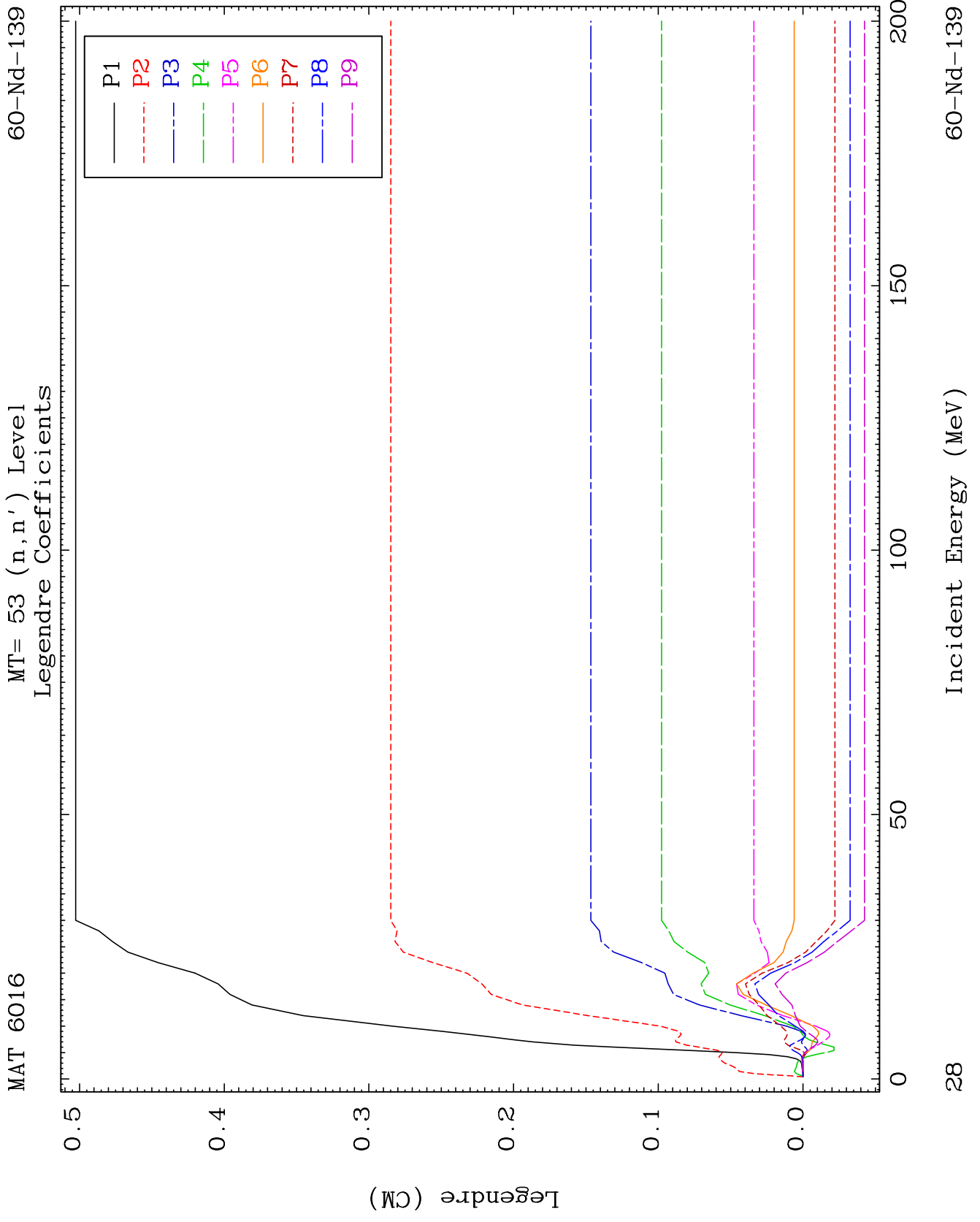
60-Nd-139

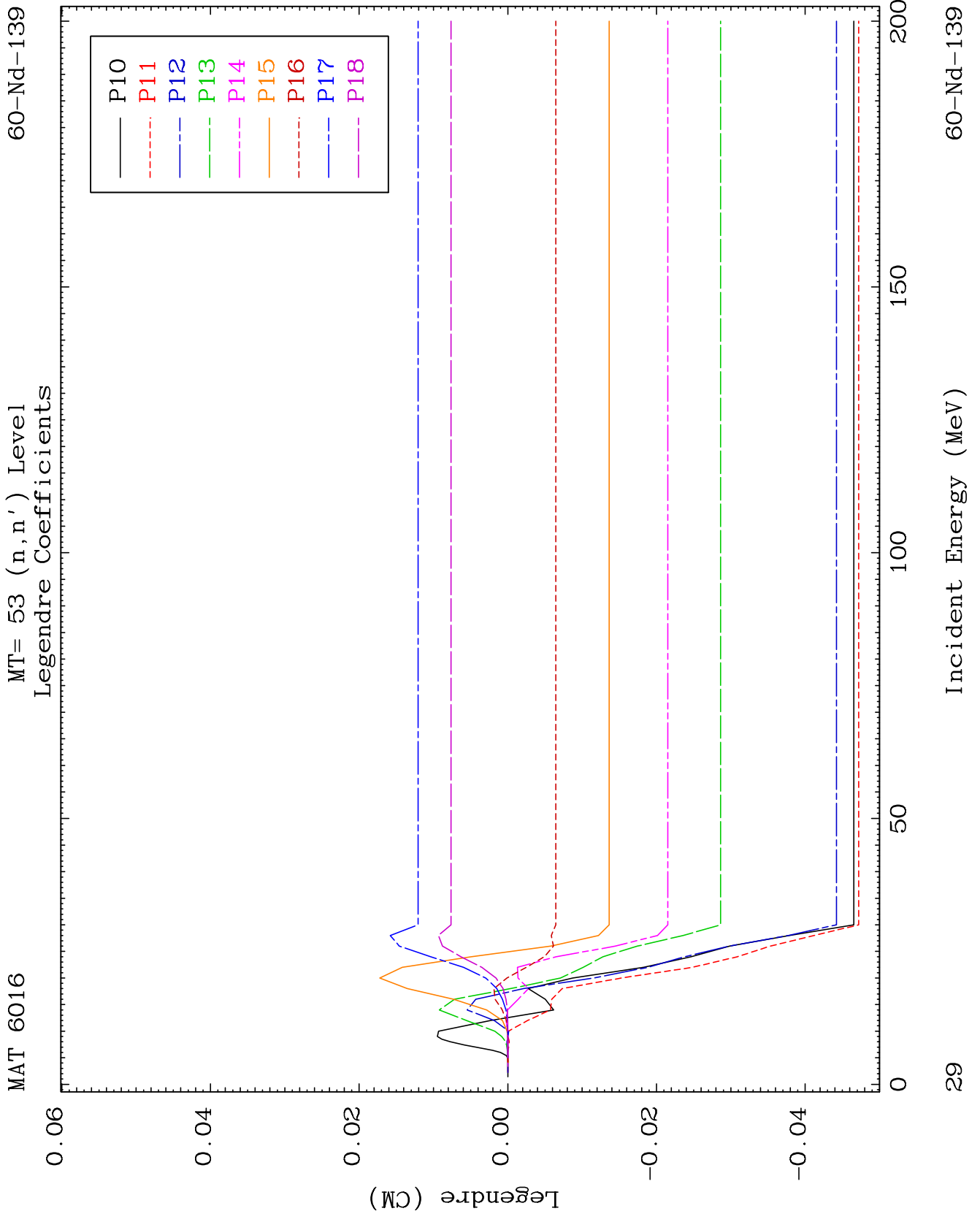


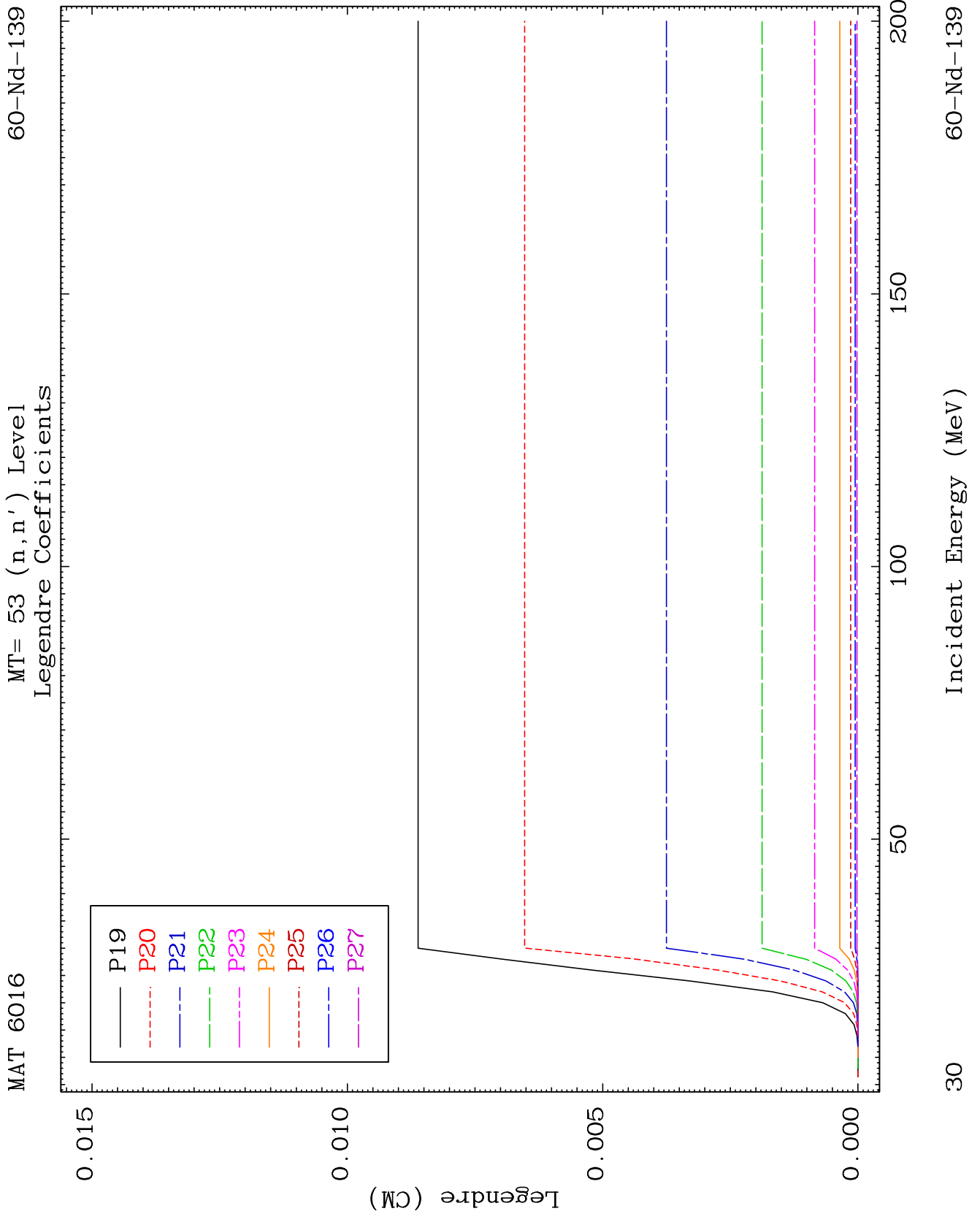
27

Incident Energy (MeV)

60-Nd-139



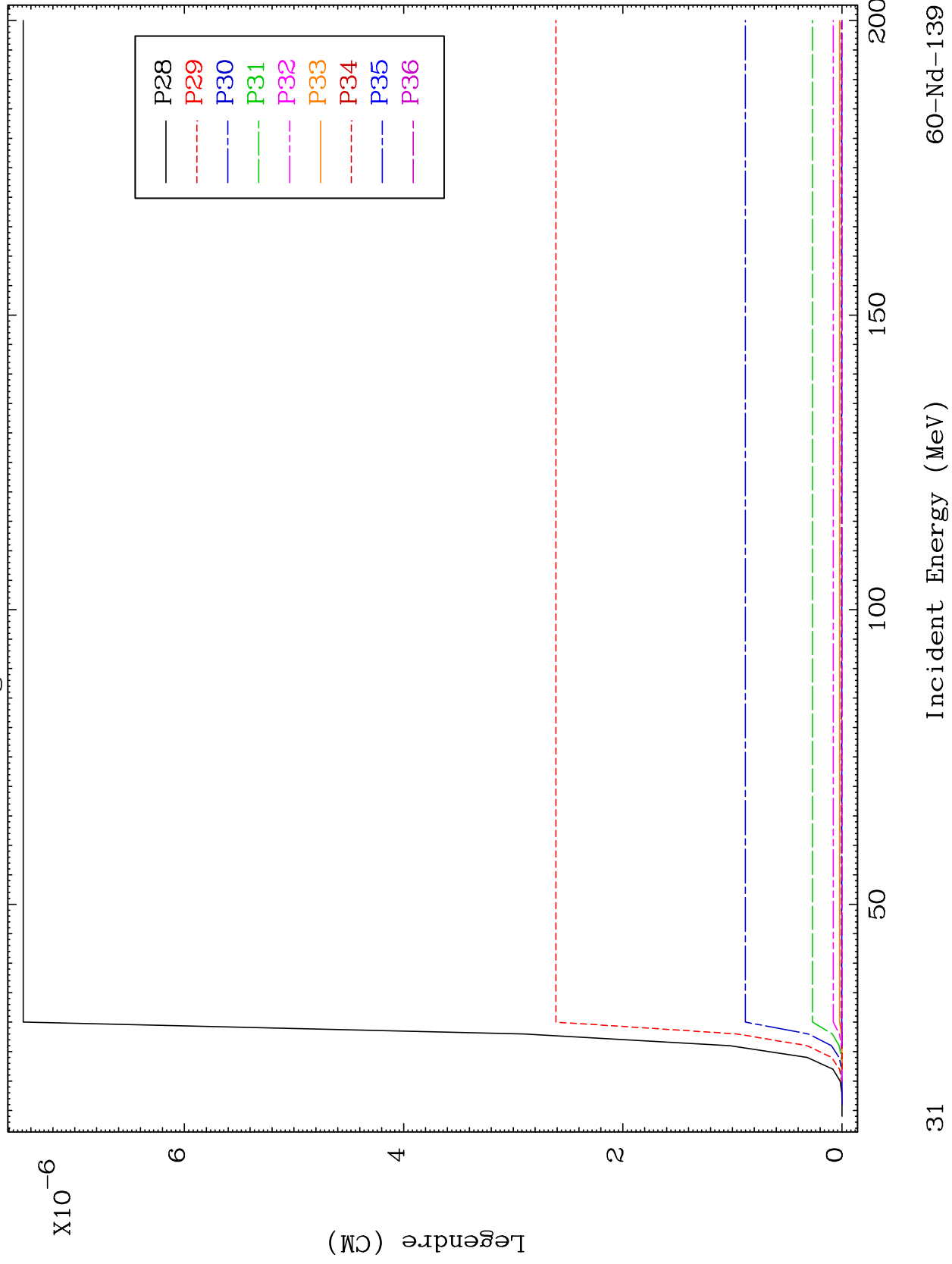




MAT 6016

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

60-Nd-139



31

Incident Energy (MeV)

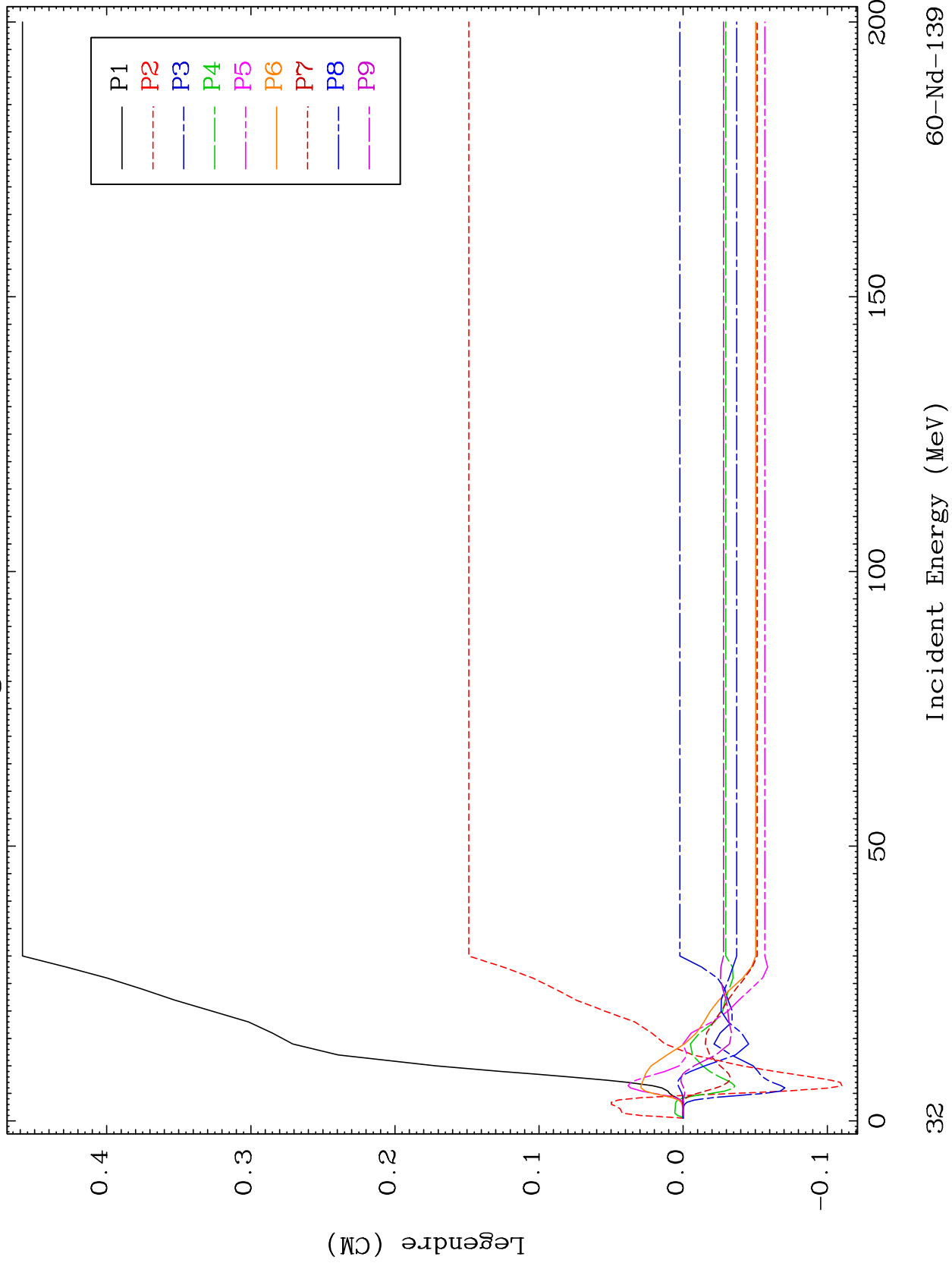
60-Nd-139



MAT 6016

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

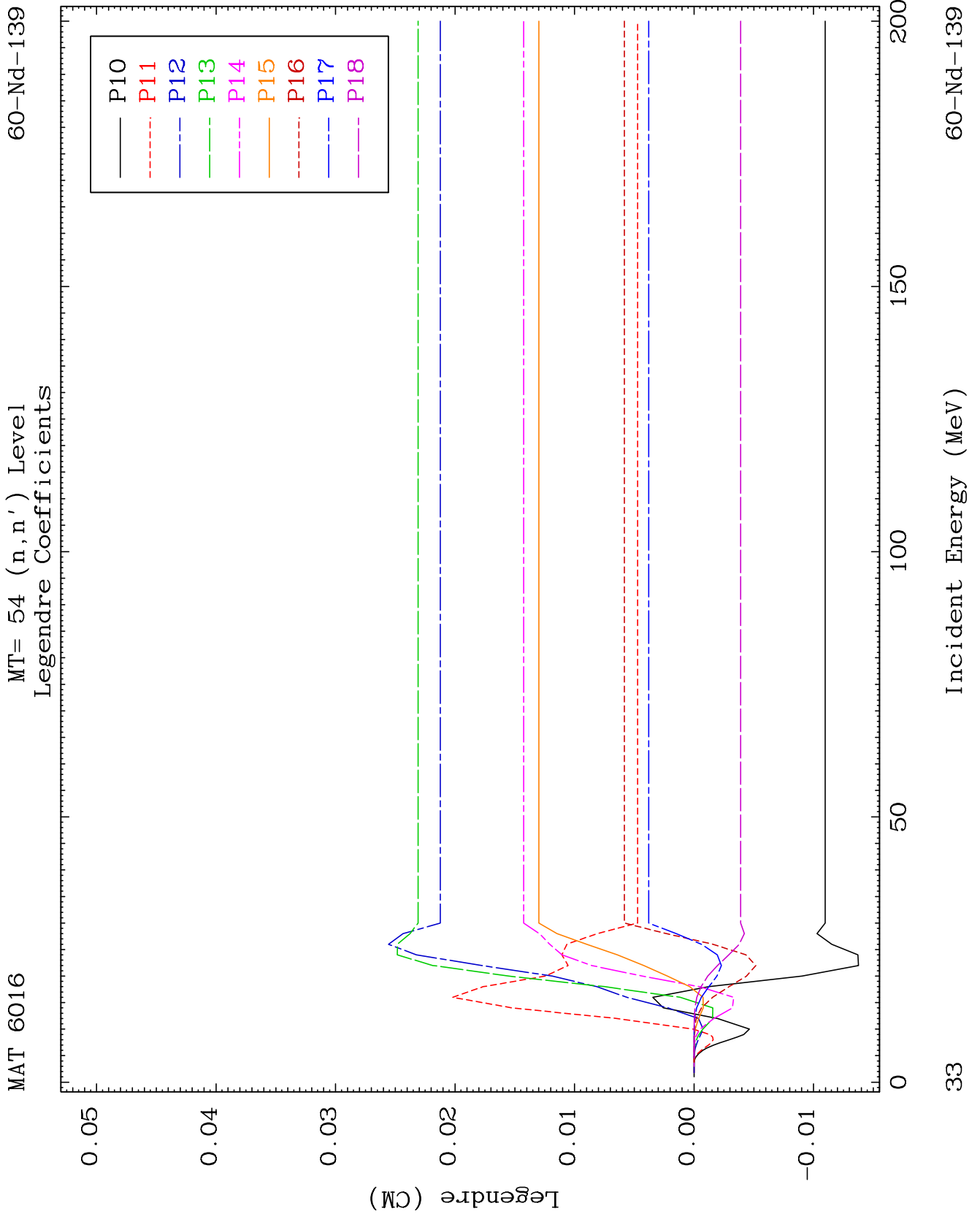
60-Nd-139



60-Nd-139

Incident Energy (MeV)

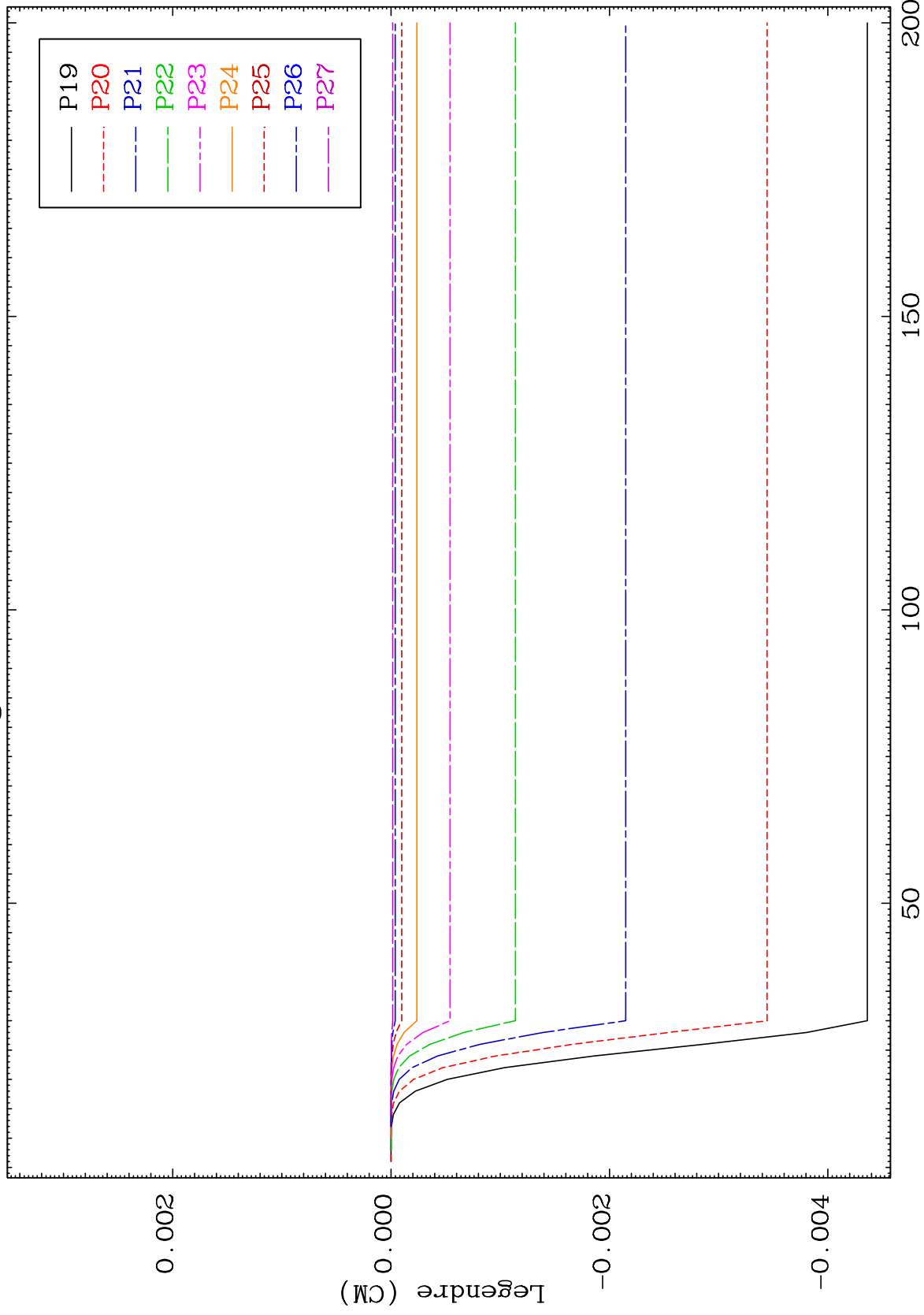
32



MAT 6016

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

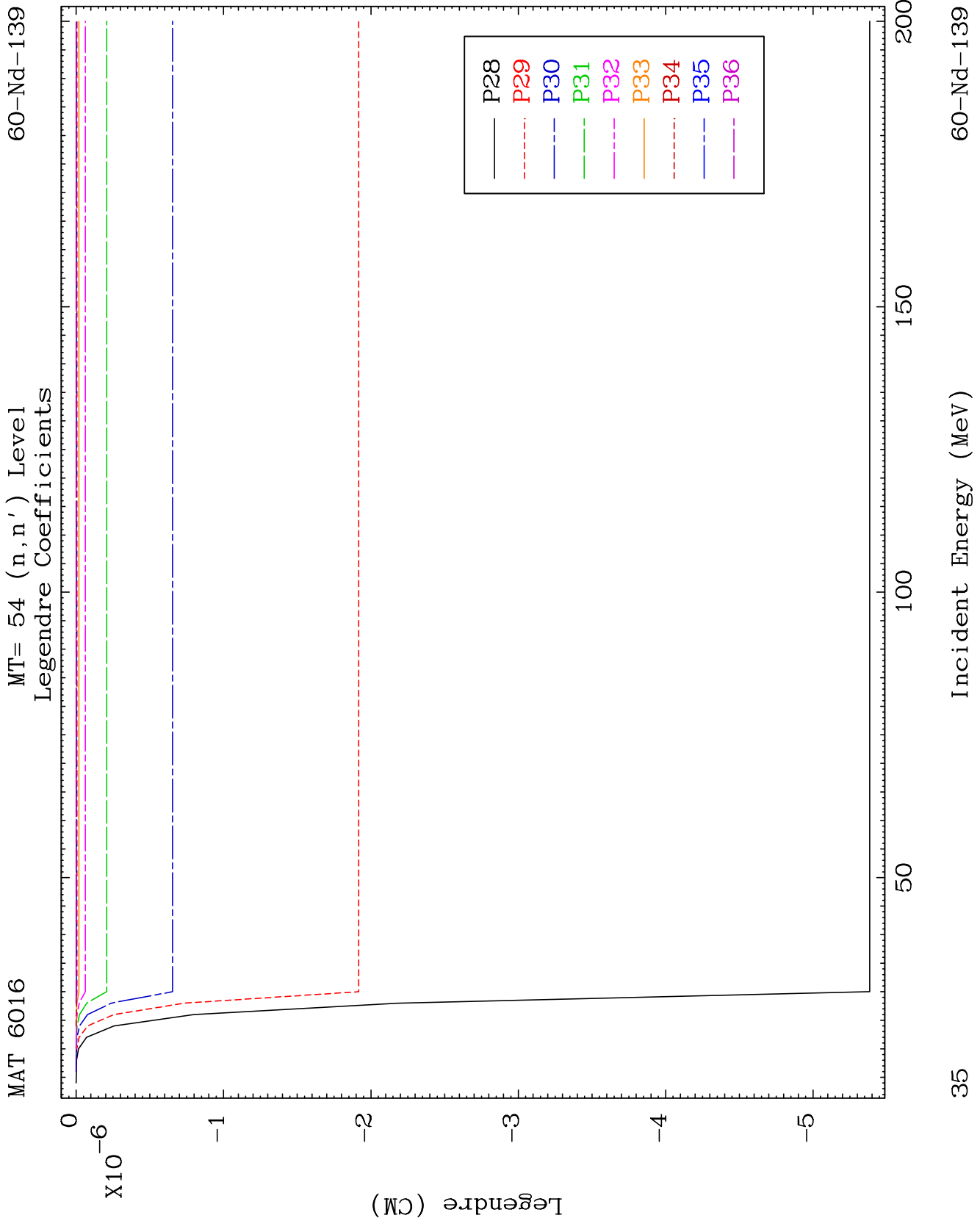
60-Nd-139

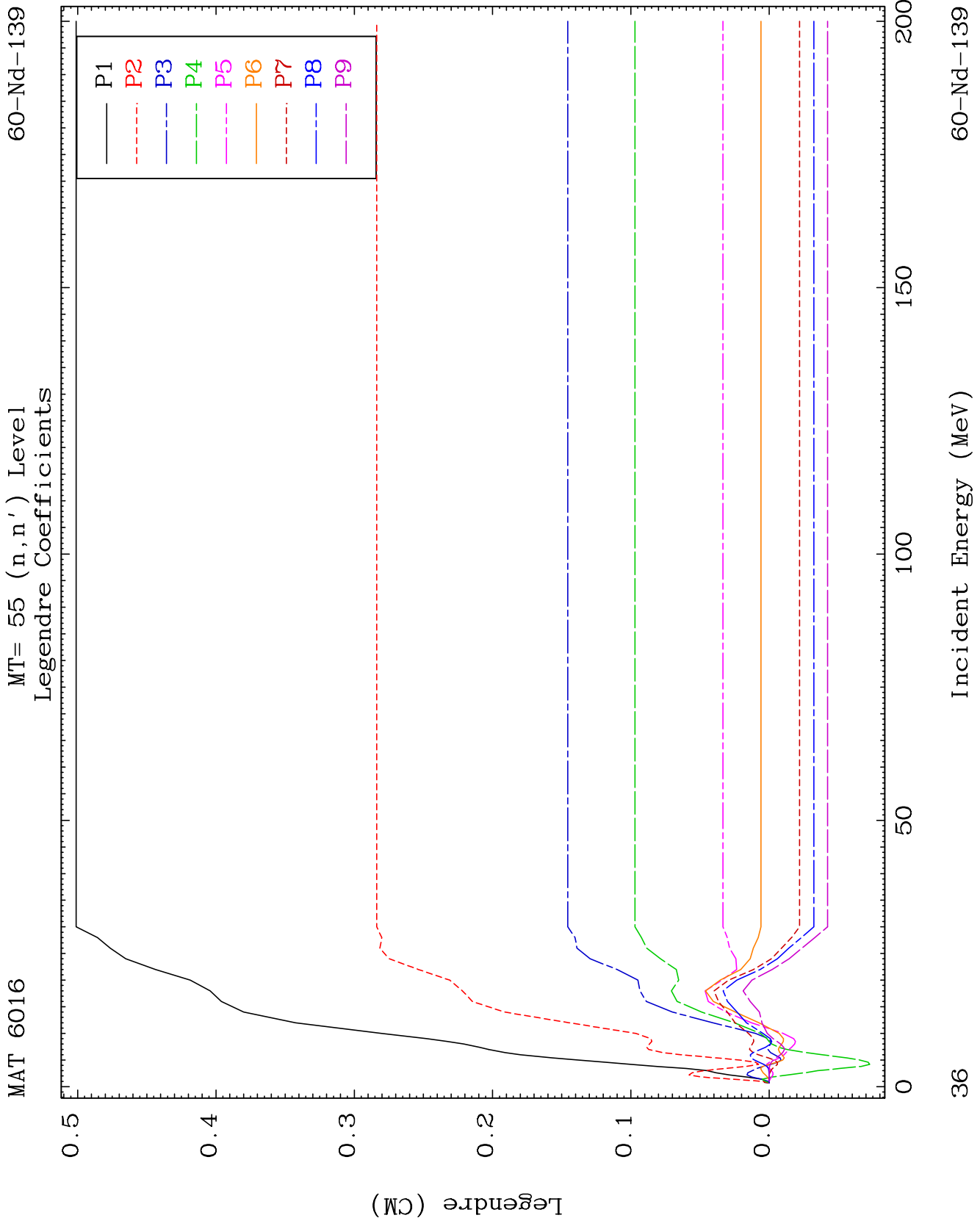


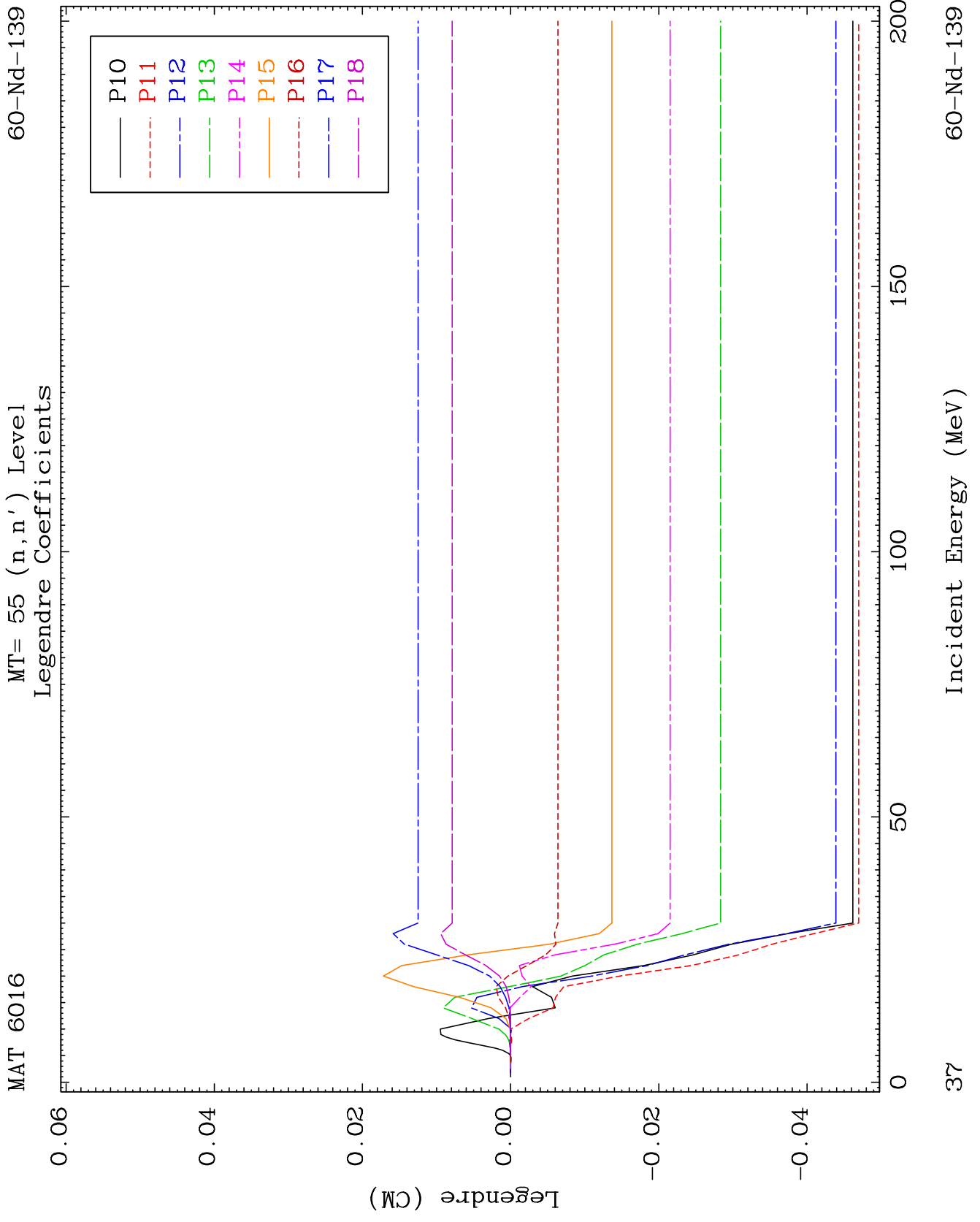
34

Incident Energy (MeV)

60-Nd-139



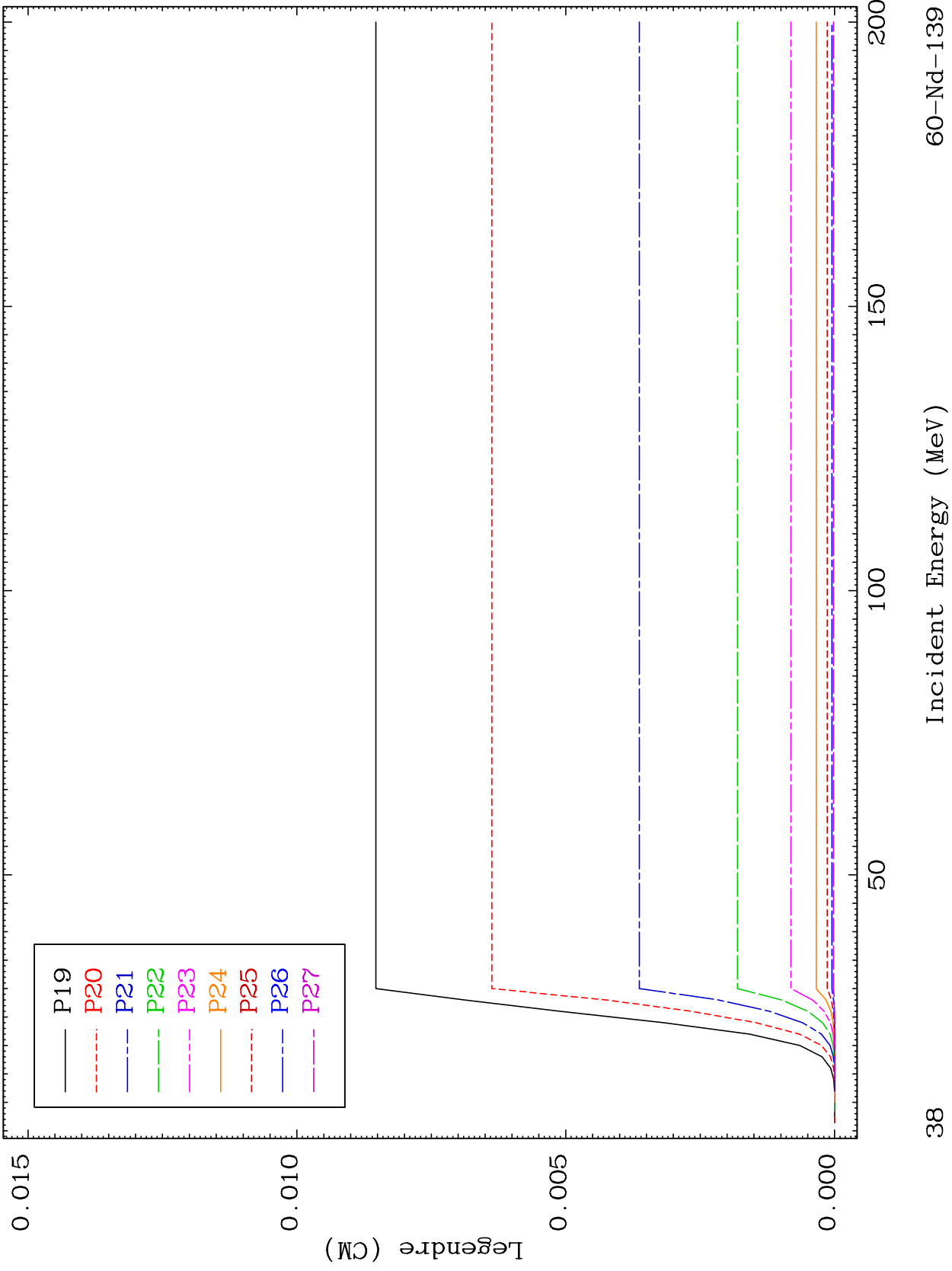




MAT 6016

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

60-Nd-139



38

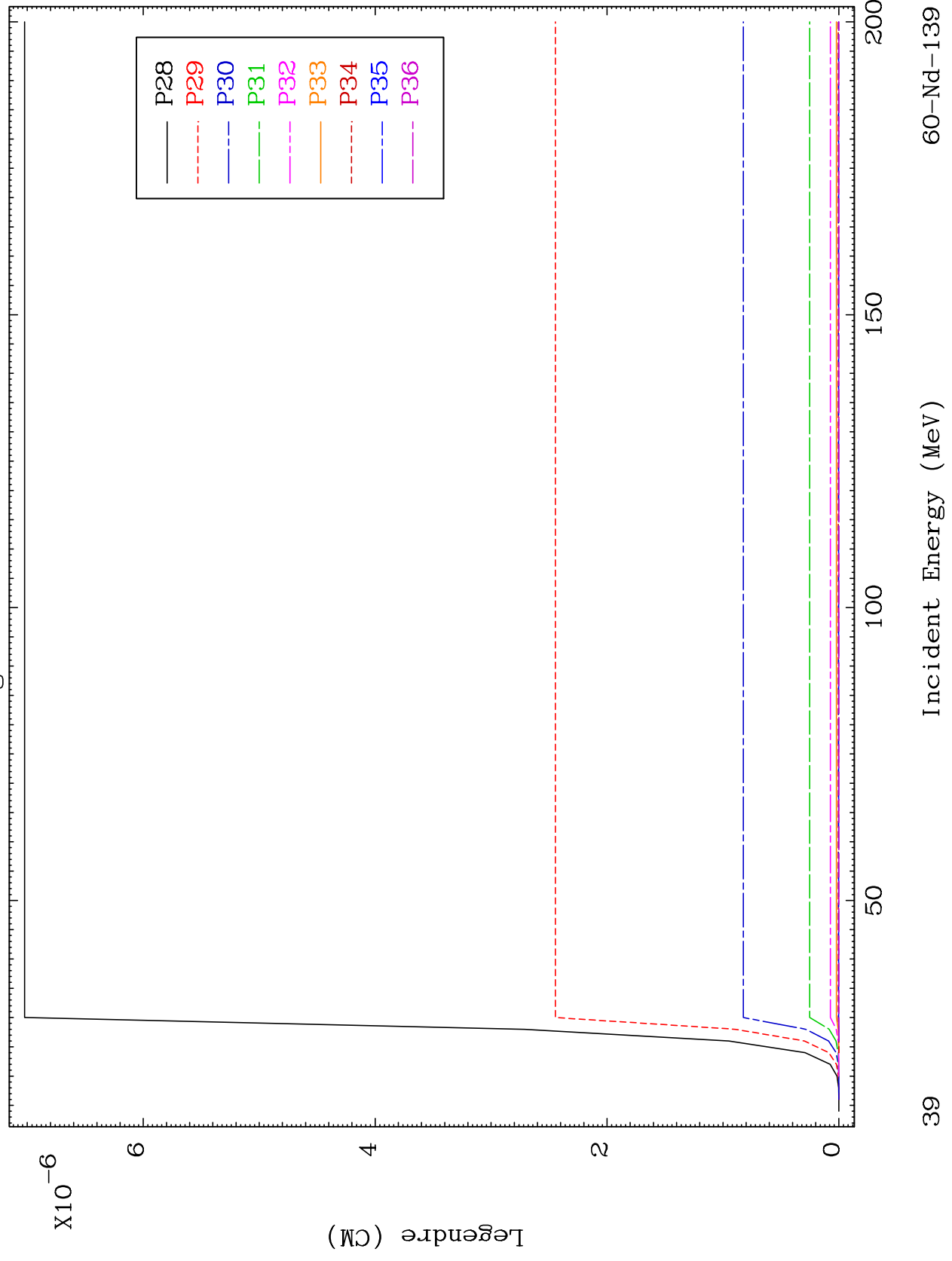
Incident Energy (MeV)

60-Nd-139

MAT 6016

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

60-Nd-139



39

Incident Energy (MeV)

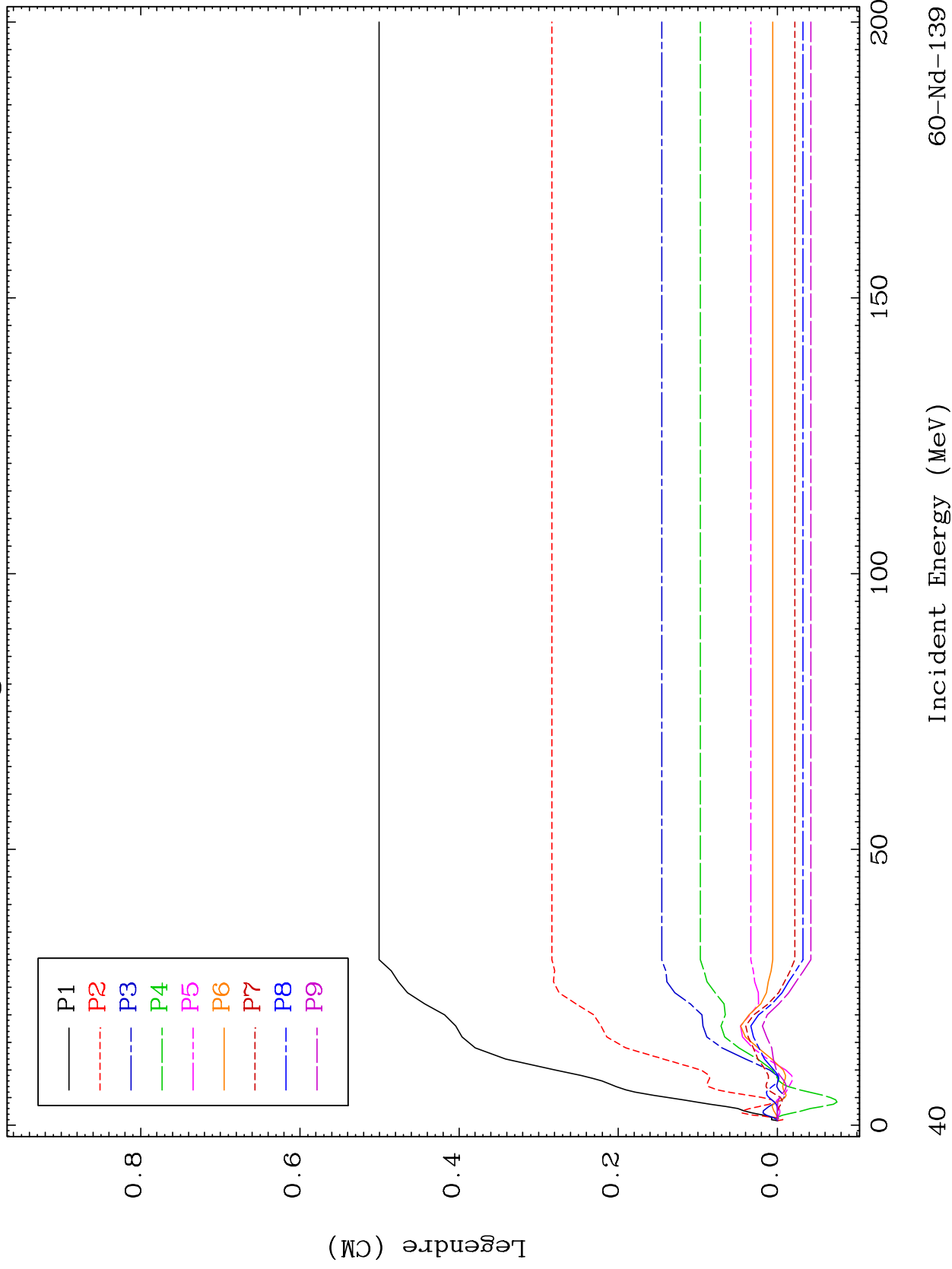
60-Nd-139



MAT 6016

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

60-Nd-139



60-Nd-139

Incident Energy (MeV)

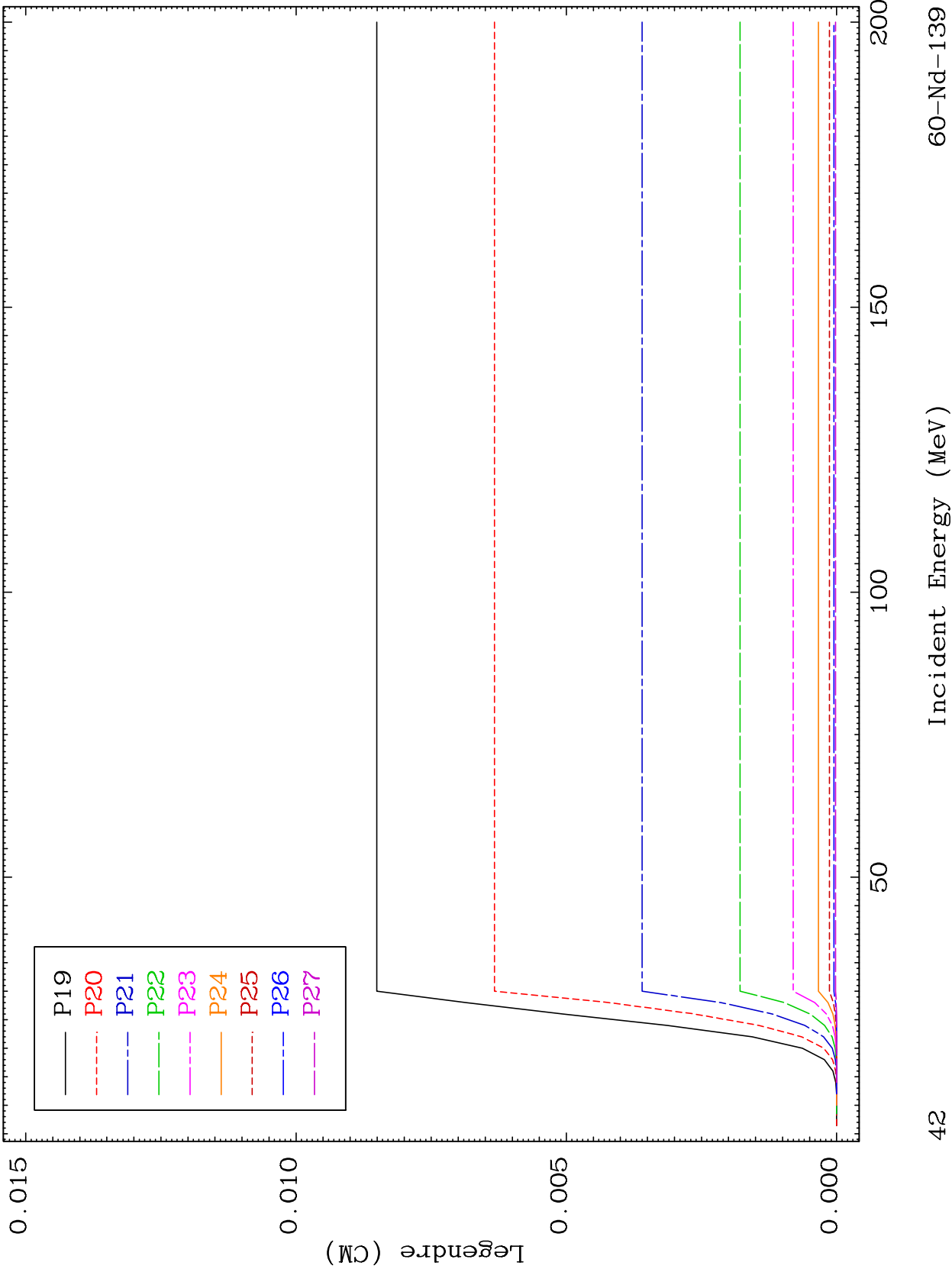
40



MAT 6016

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

60-Nd-139



42

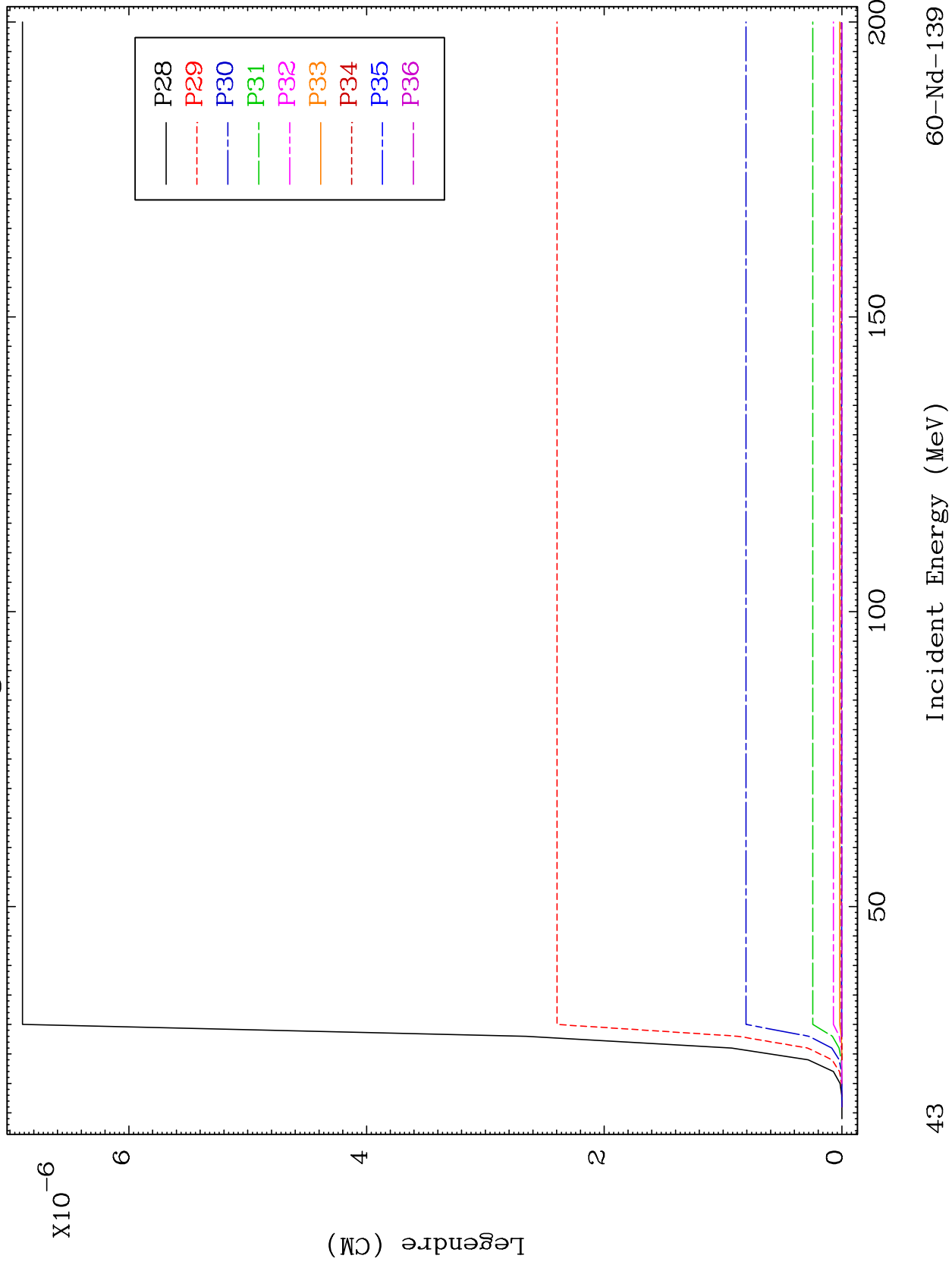
Incident Energy (MeV)

60-Nd-139

MAT 6016

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

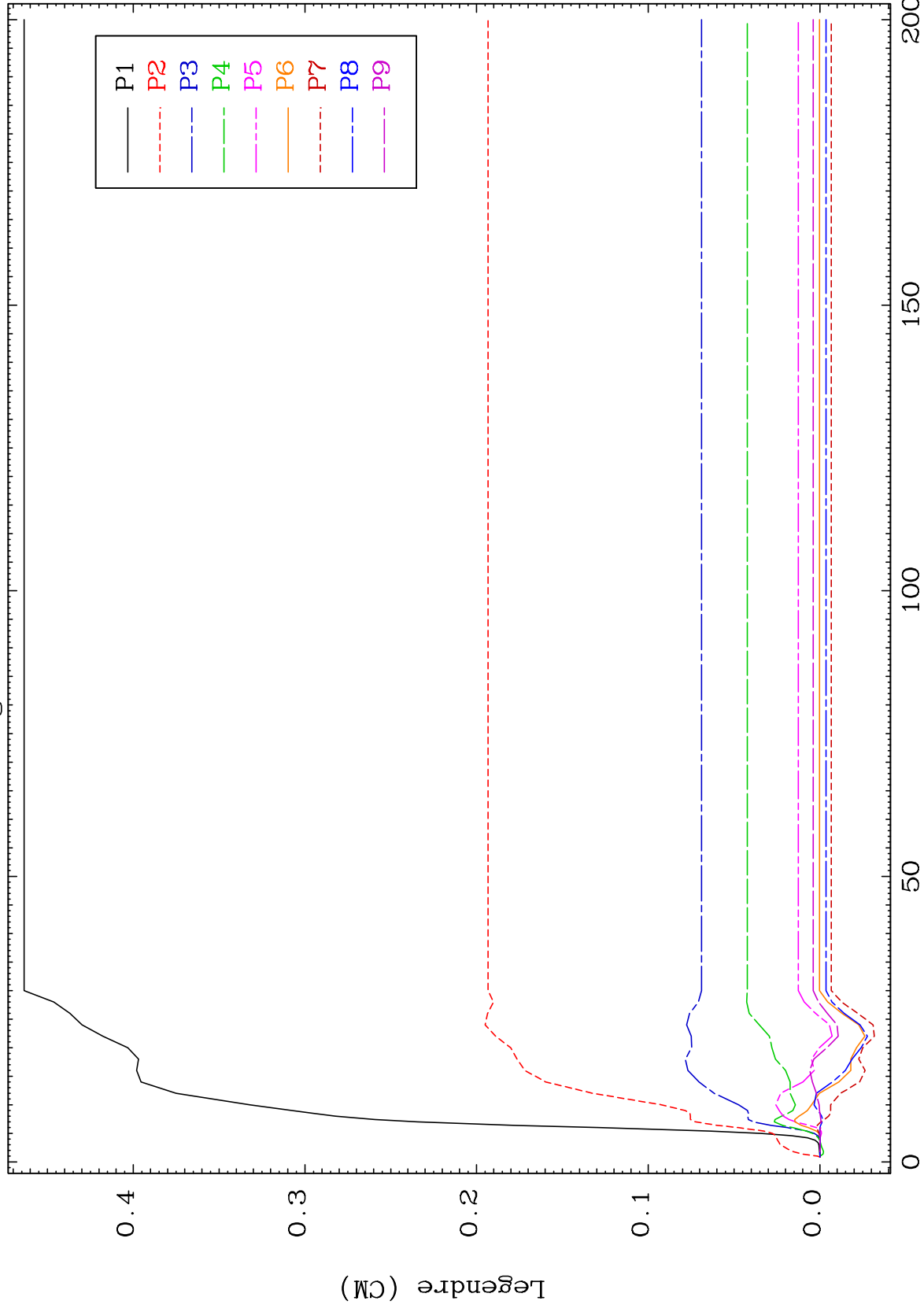
60-Nd-139



MAT 6016

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

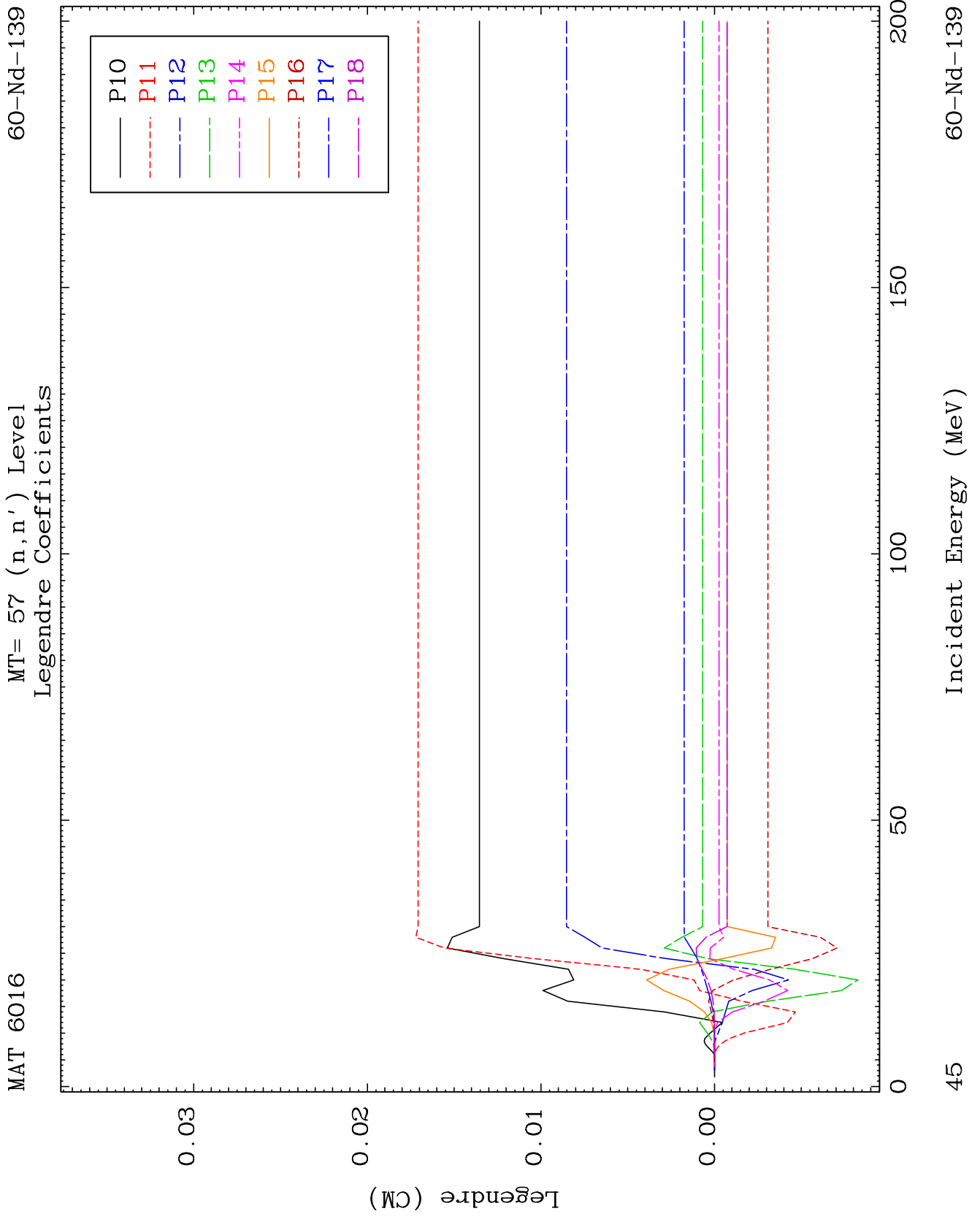
60-Nd-139



44

Incident Energy (MeV)

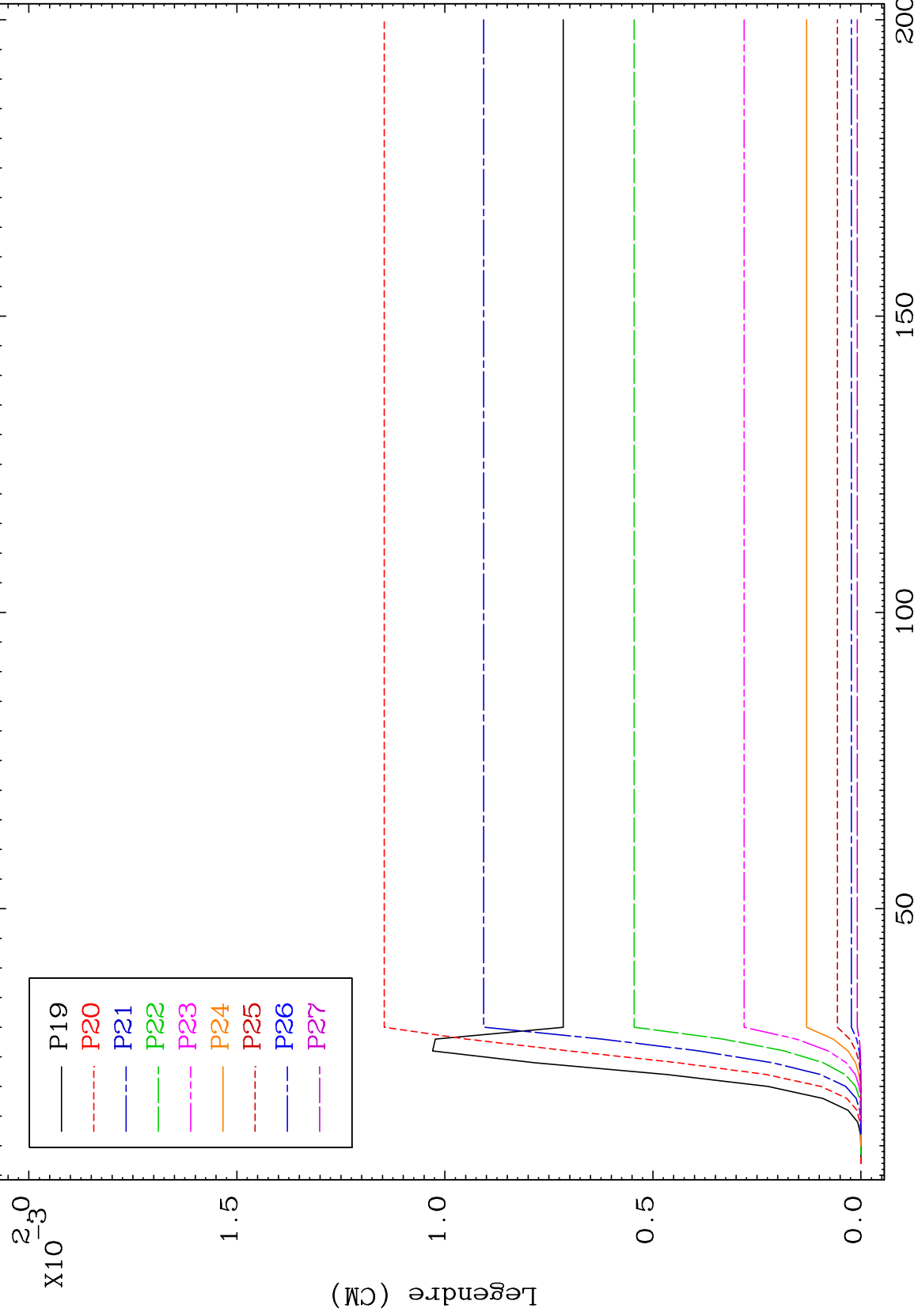
60-Nd-139



MAT 6016

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

60-Nd-139



46

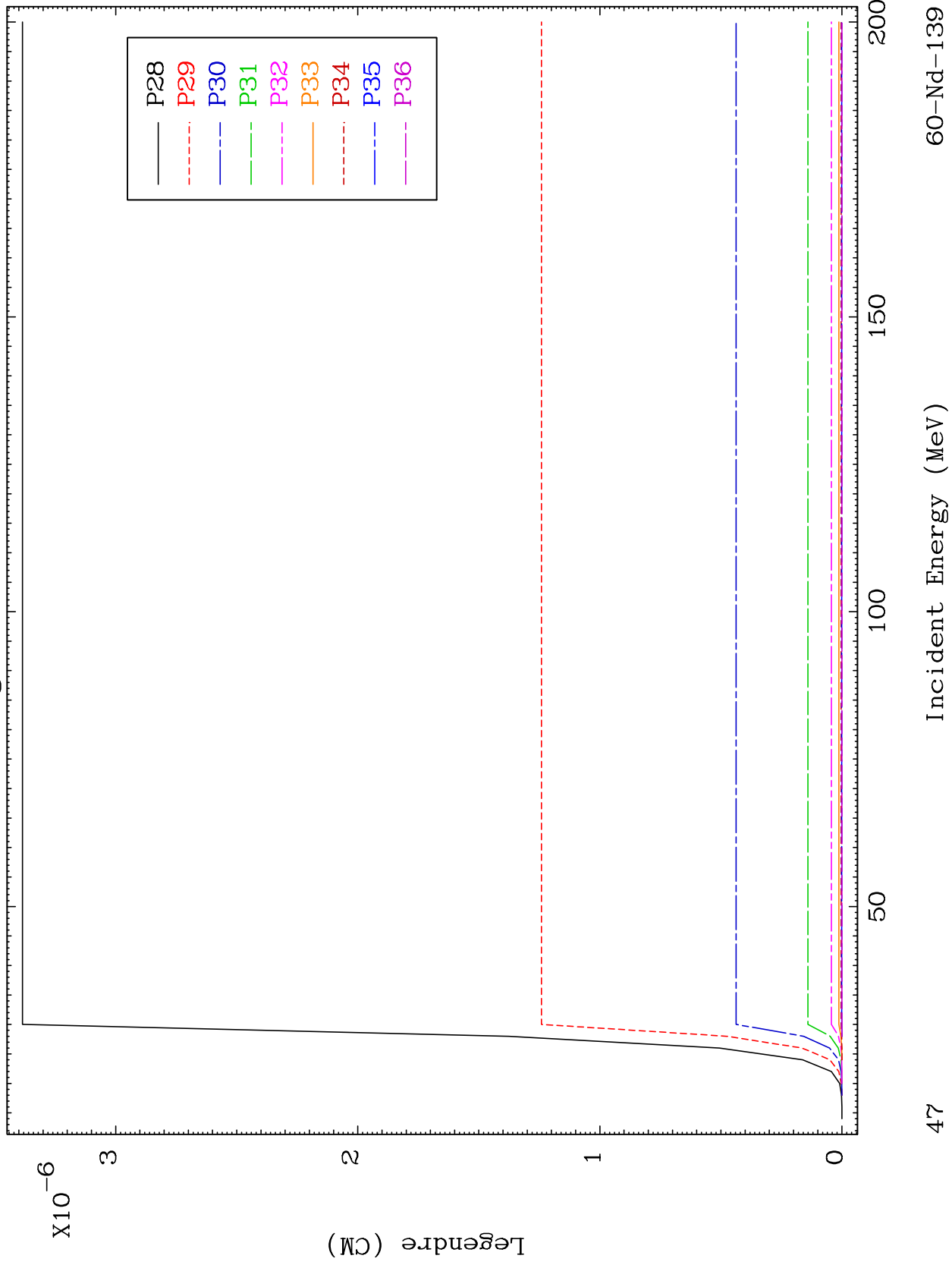
Incident Energy (MeV)

60-Nd-139

MAT 6016

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

60-Nd-139

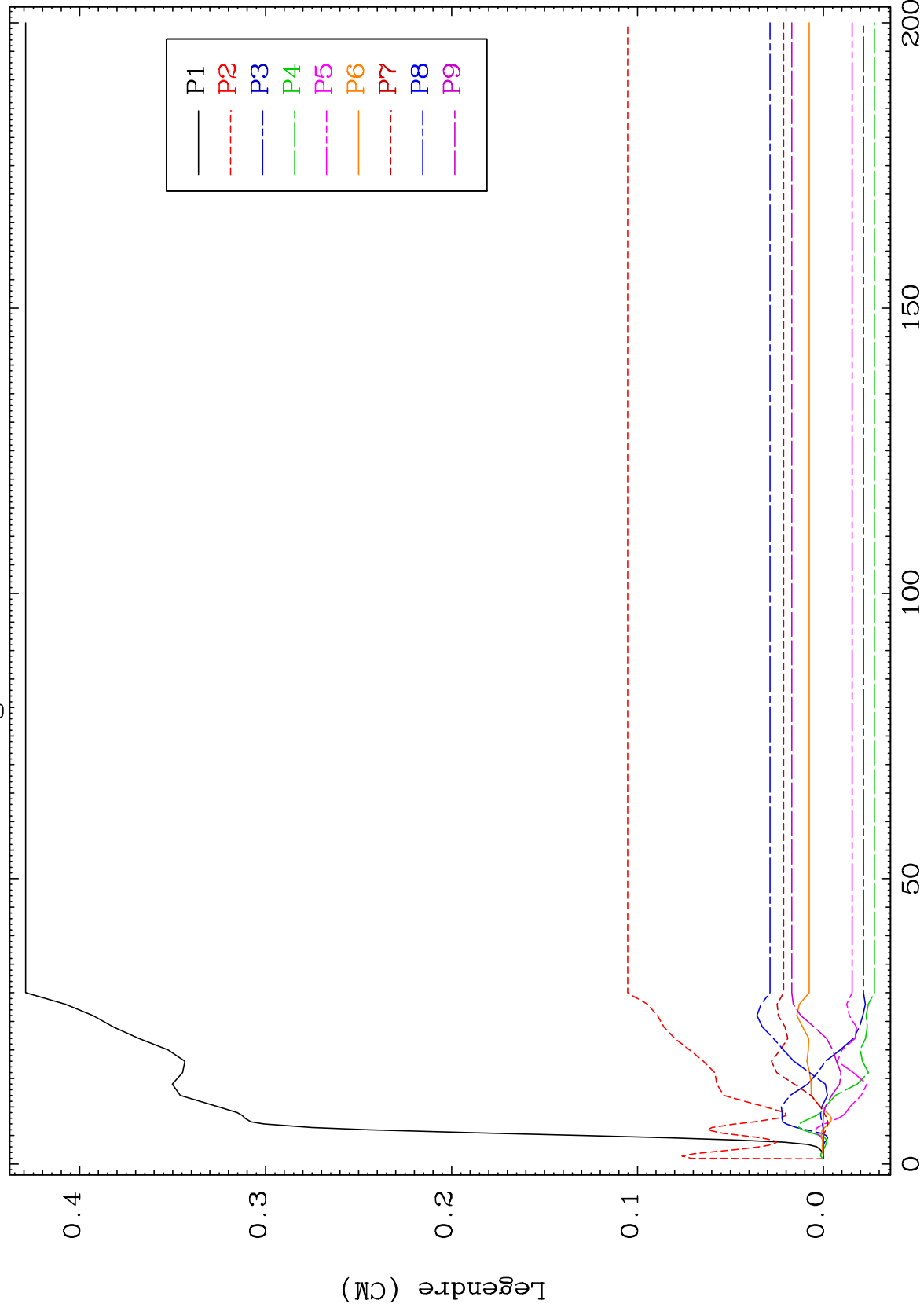




MAT 6016

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

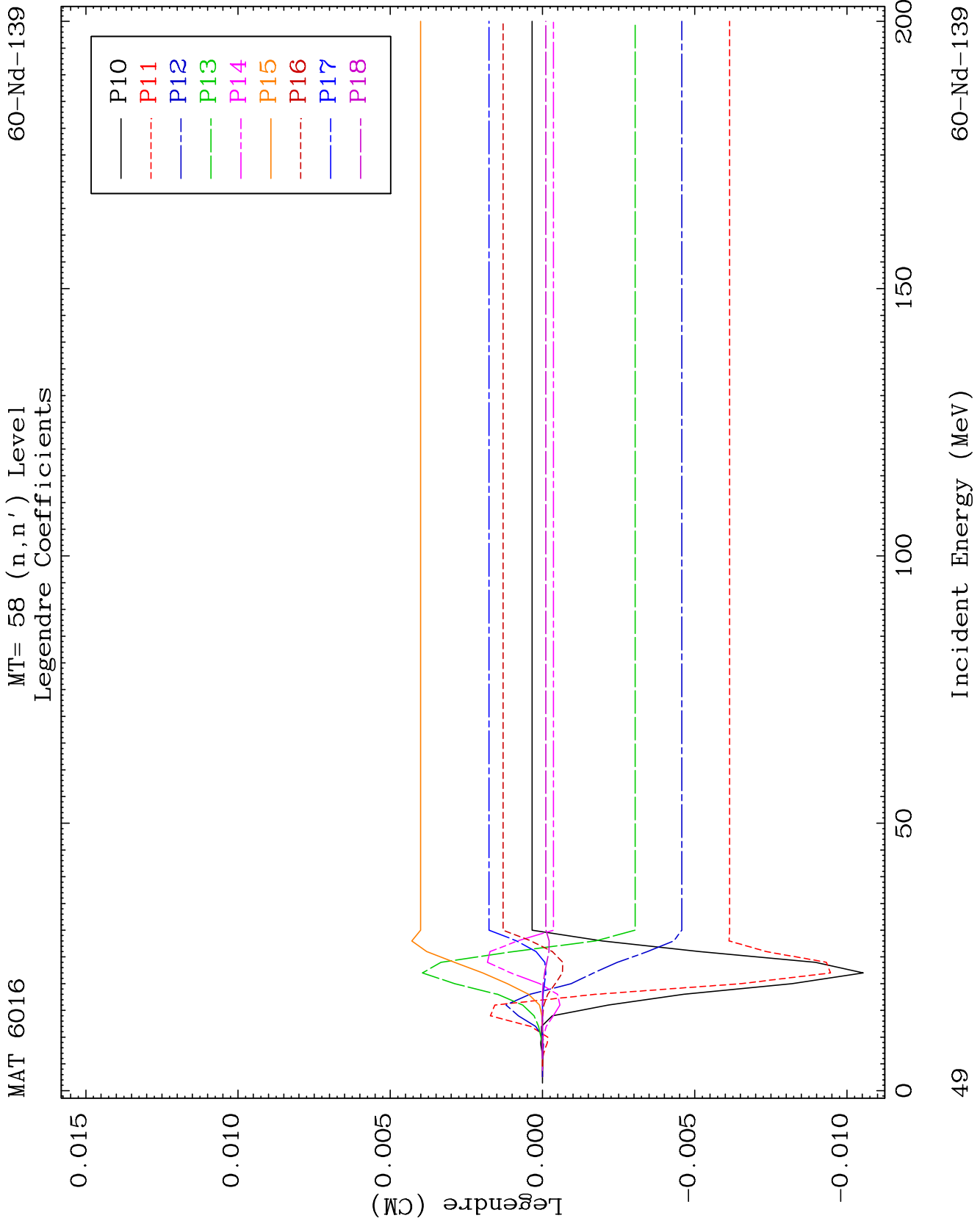
60-Nd-139



48

Incident Energy (MeV)

60-Nd-139

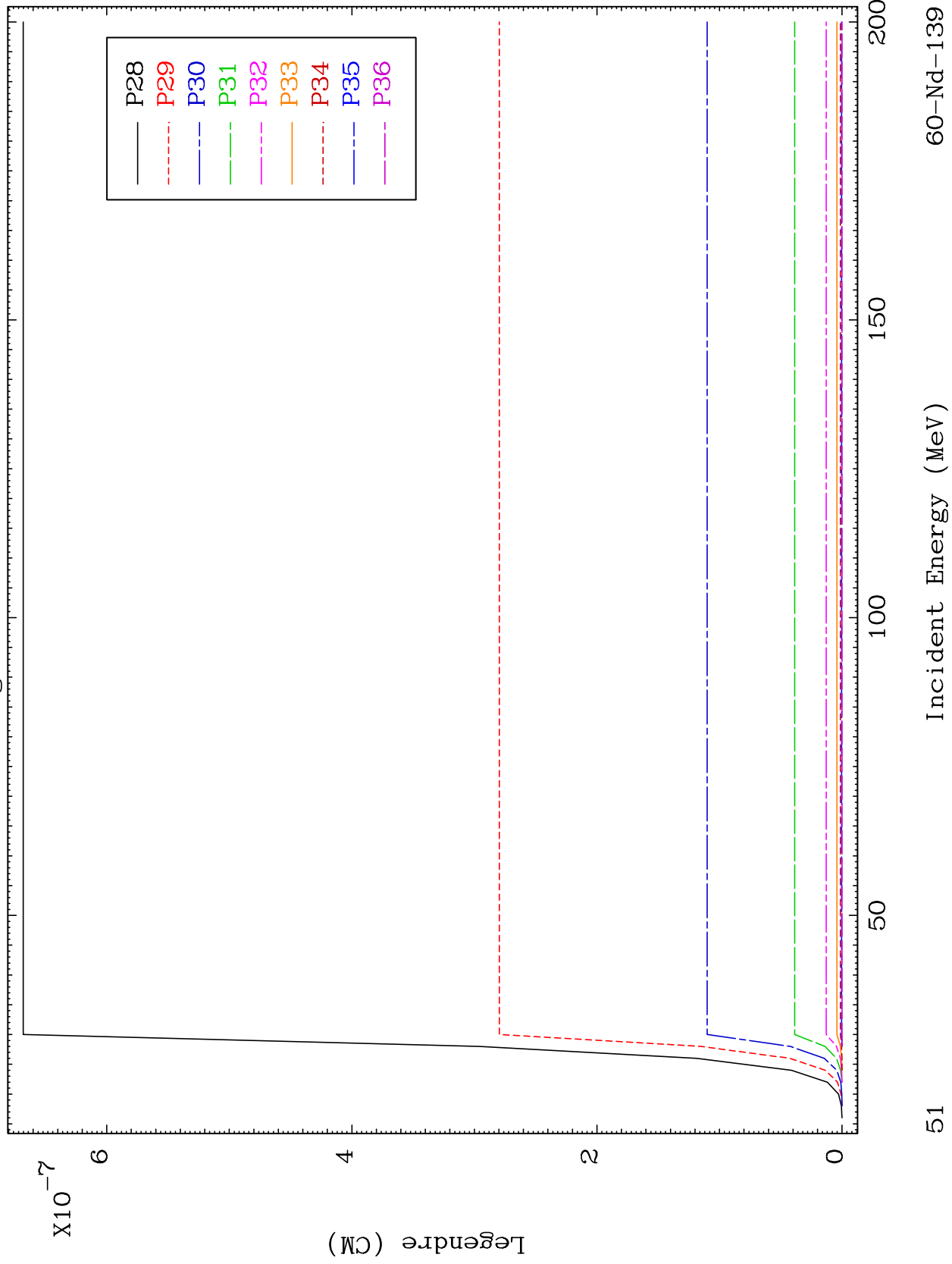




MAT 6016

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

60-Nd-139



51

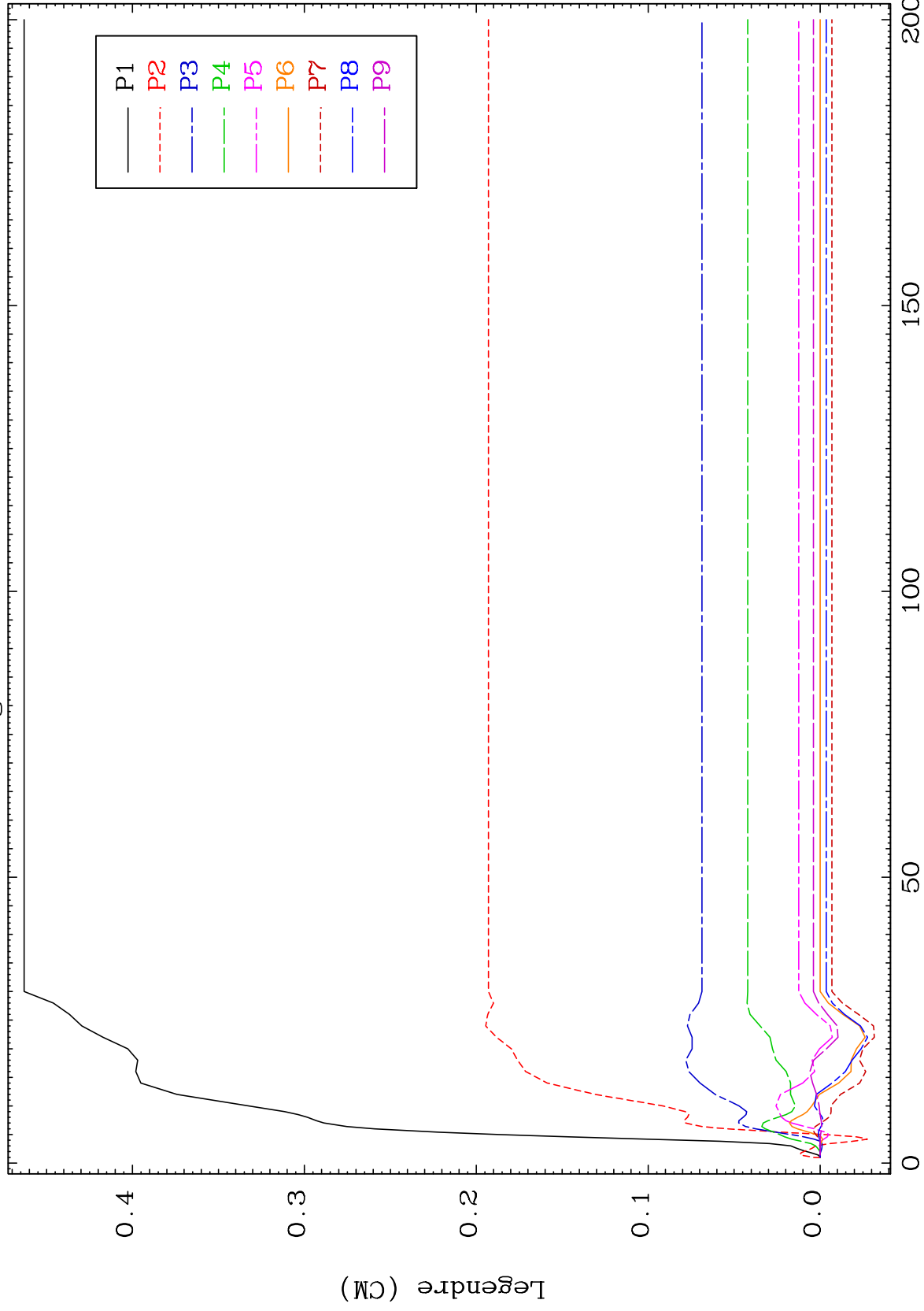
Incident Energy (MeV)

60-Nd-139

MAT 6016

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

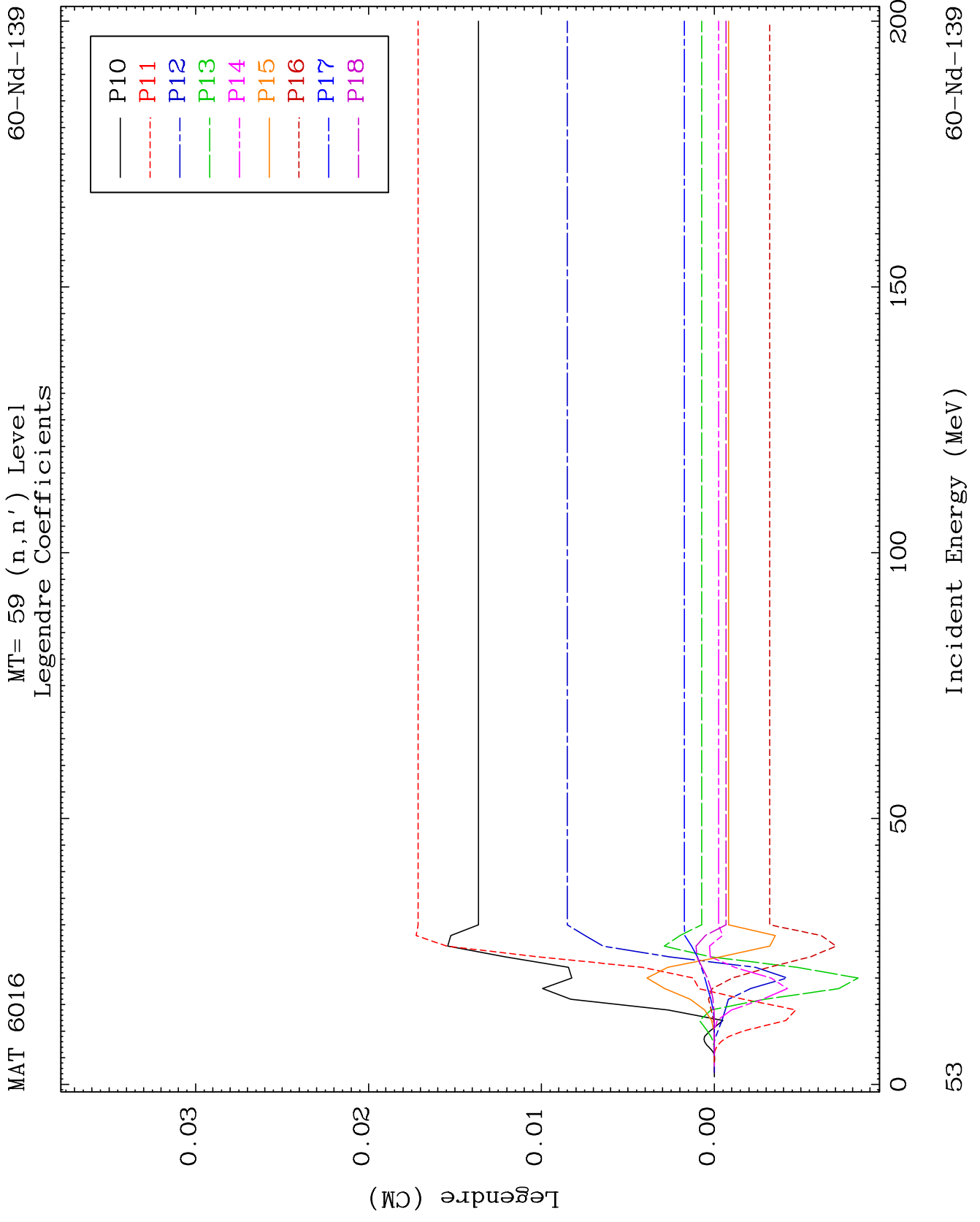
60-Nd-139



52

Incident Energy (MeV)

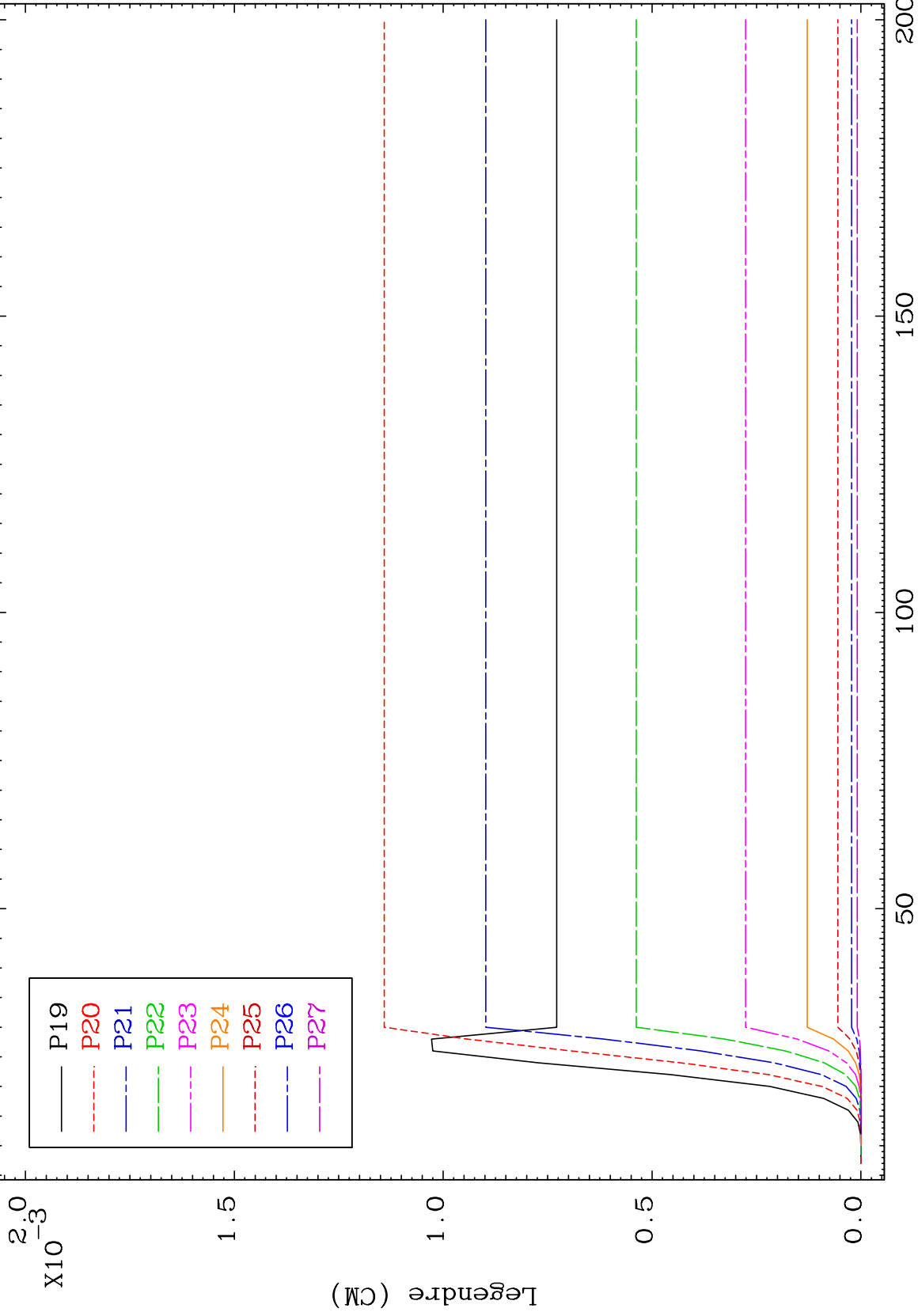
60-Nd-139



MAT 6016

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

60-Nd-139



54

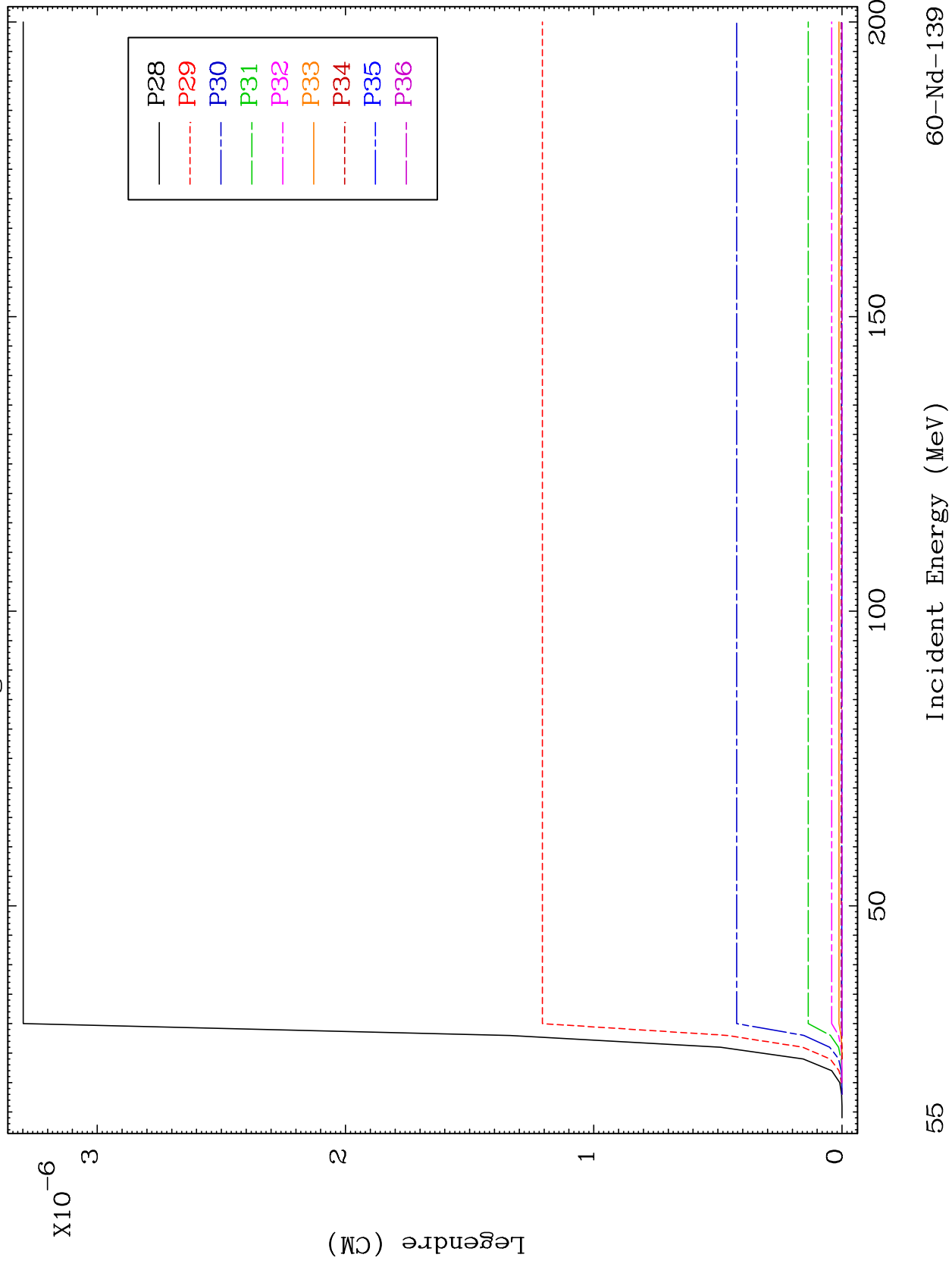
Incident Energy (MeV)

60-Nd-139

MAT 6016

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

60-Nd-139

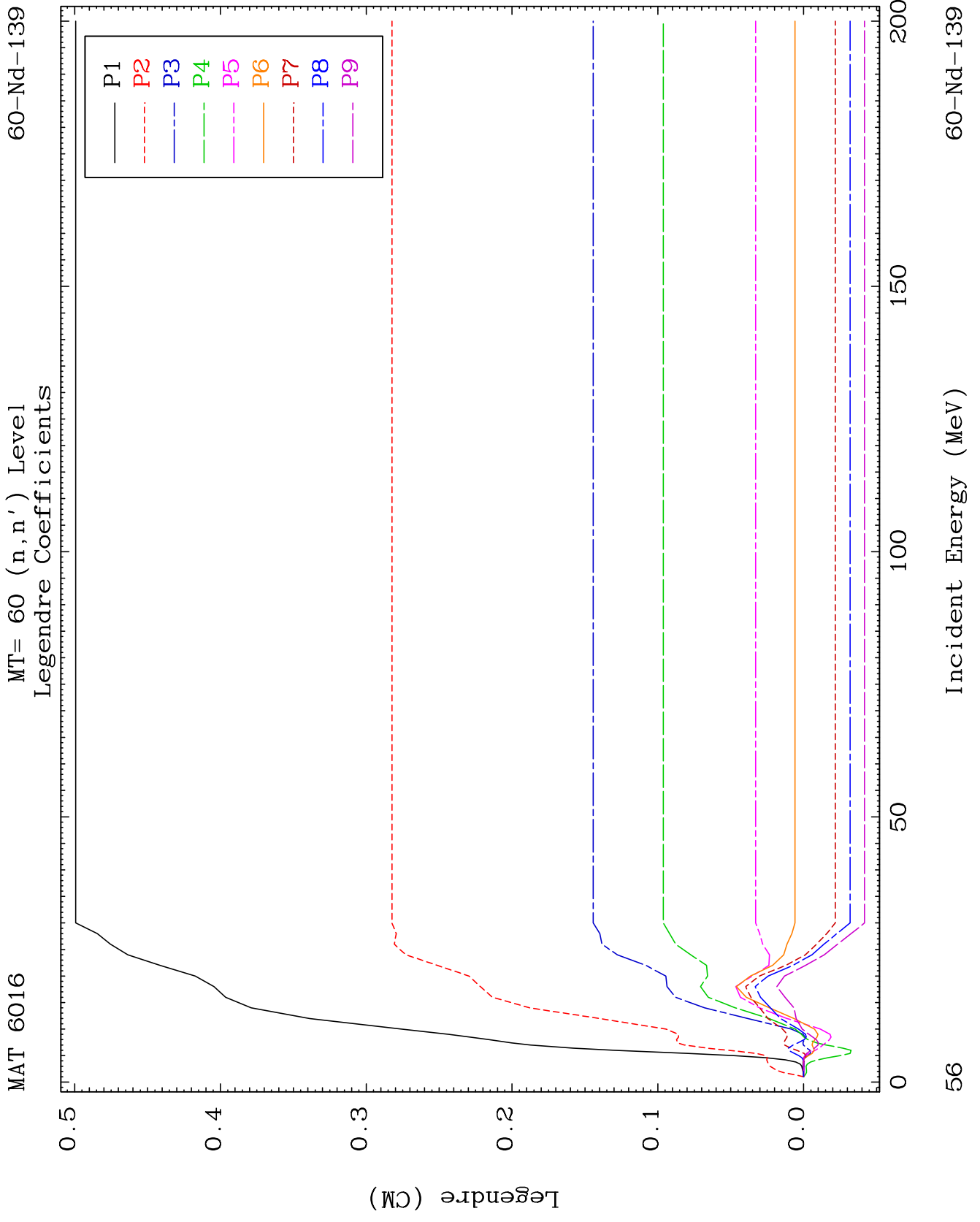


55

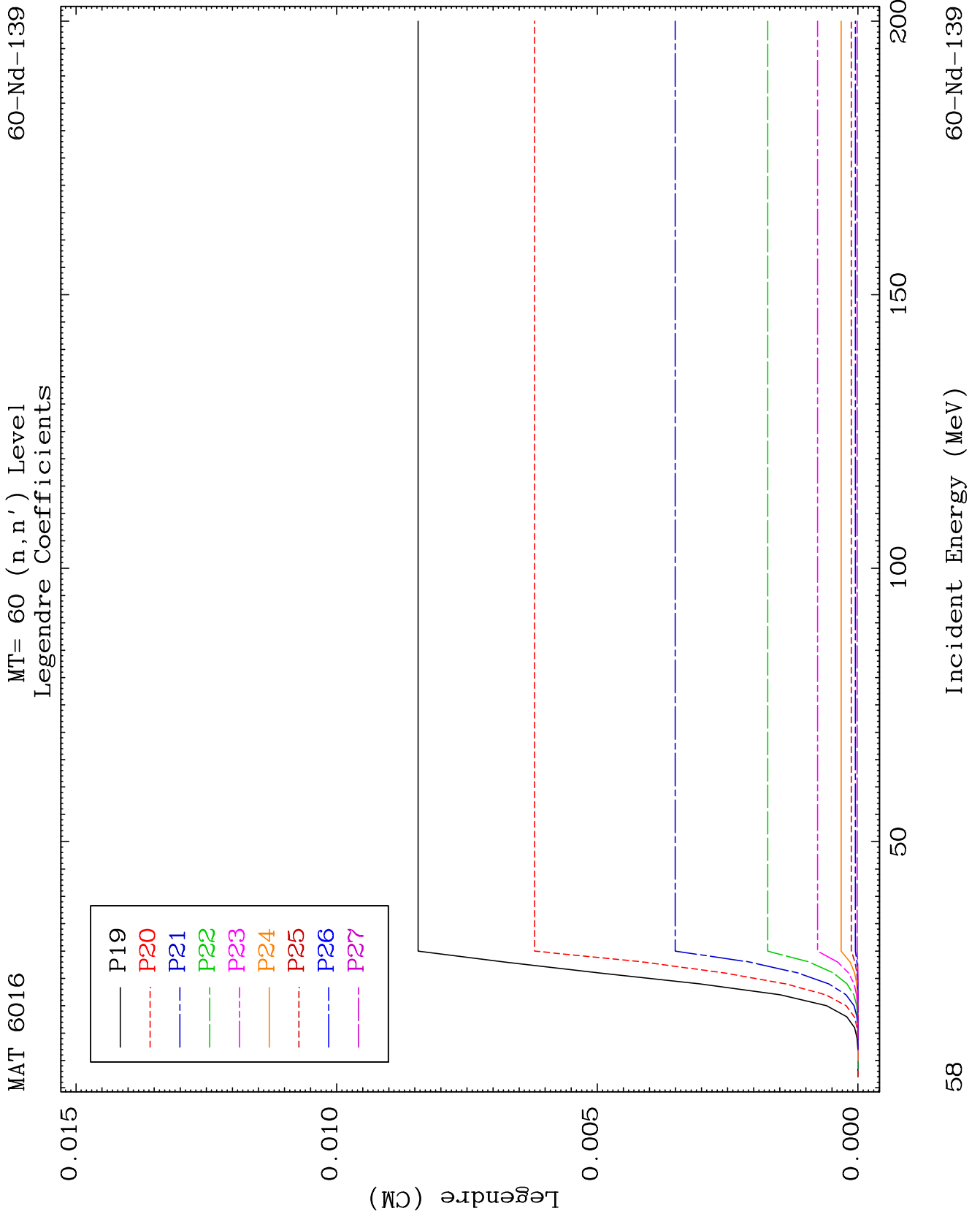
Incident Energy (MeV)

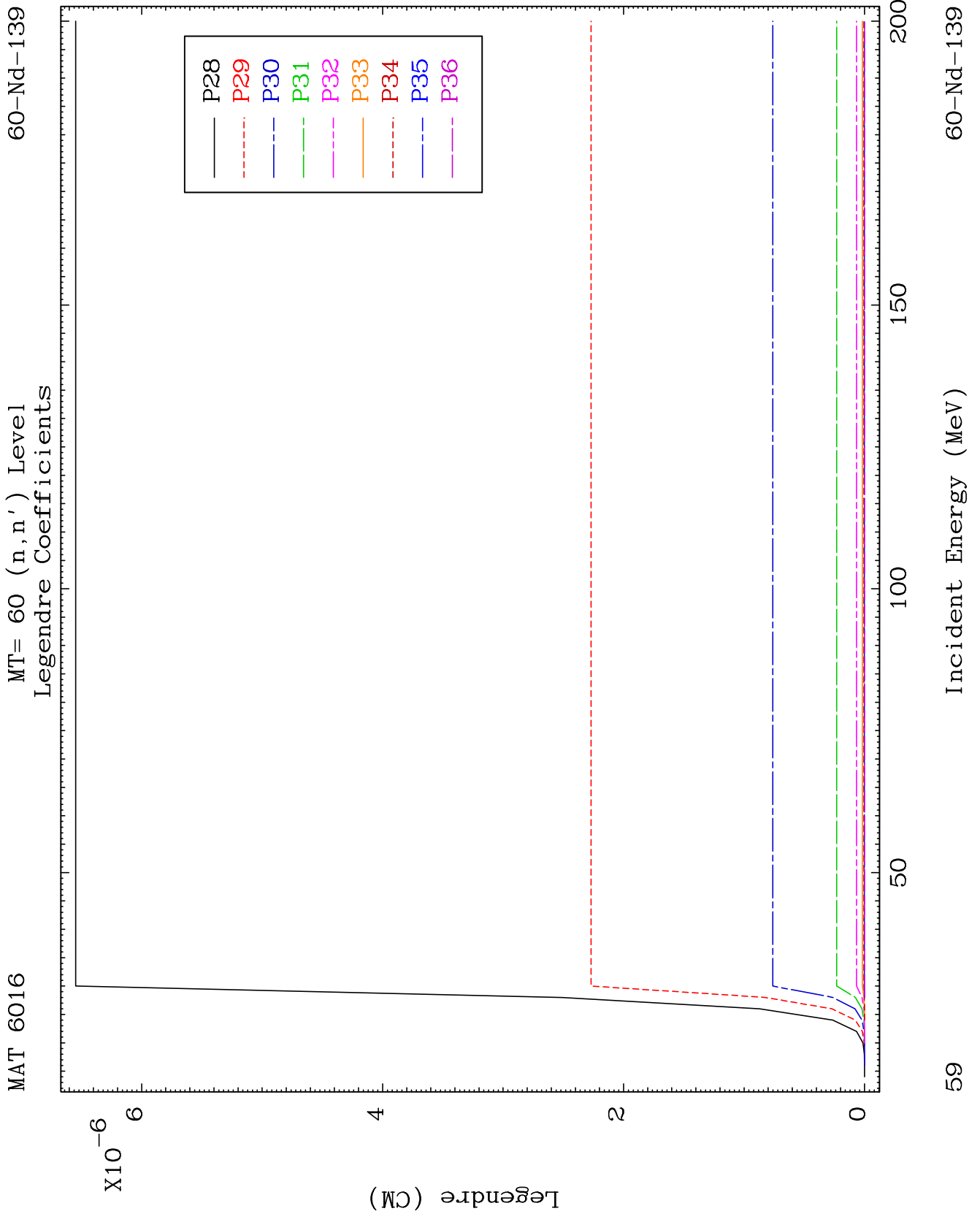
60-Nd-139

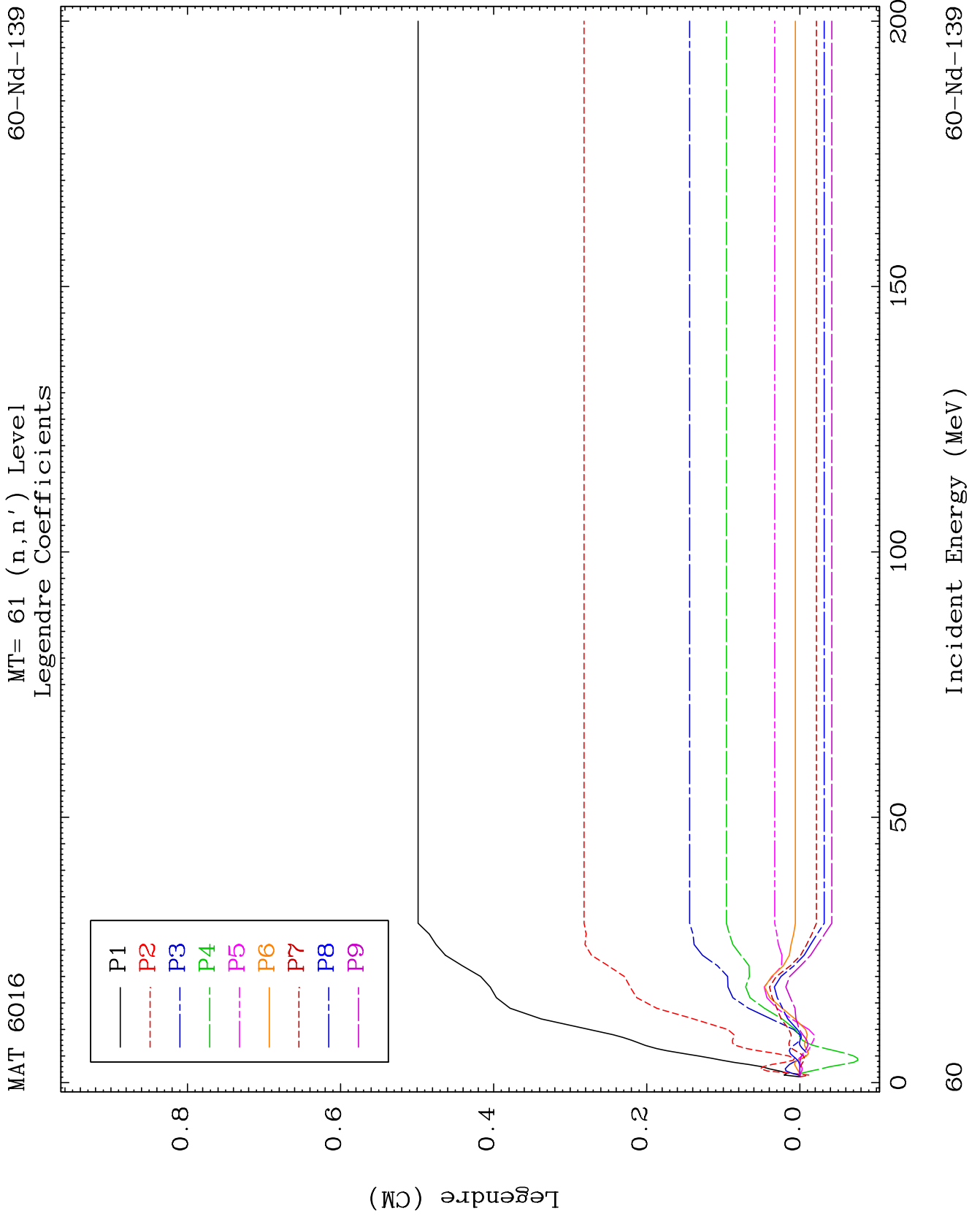


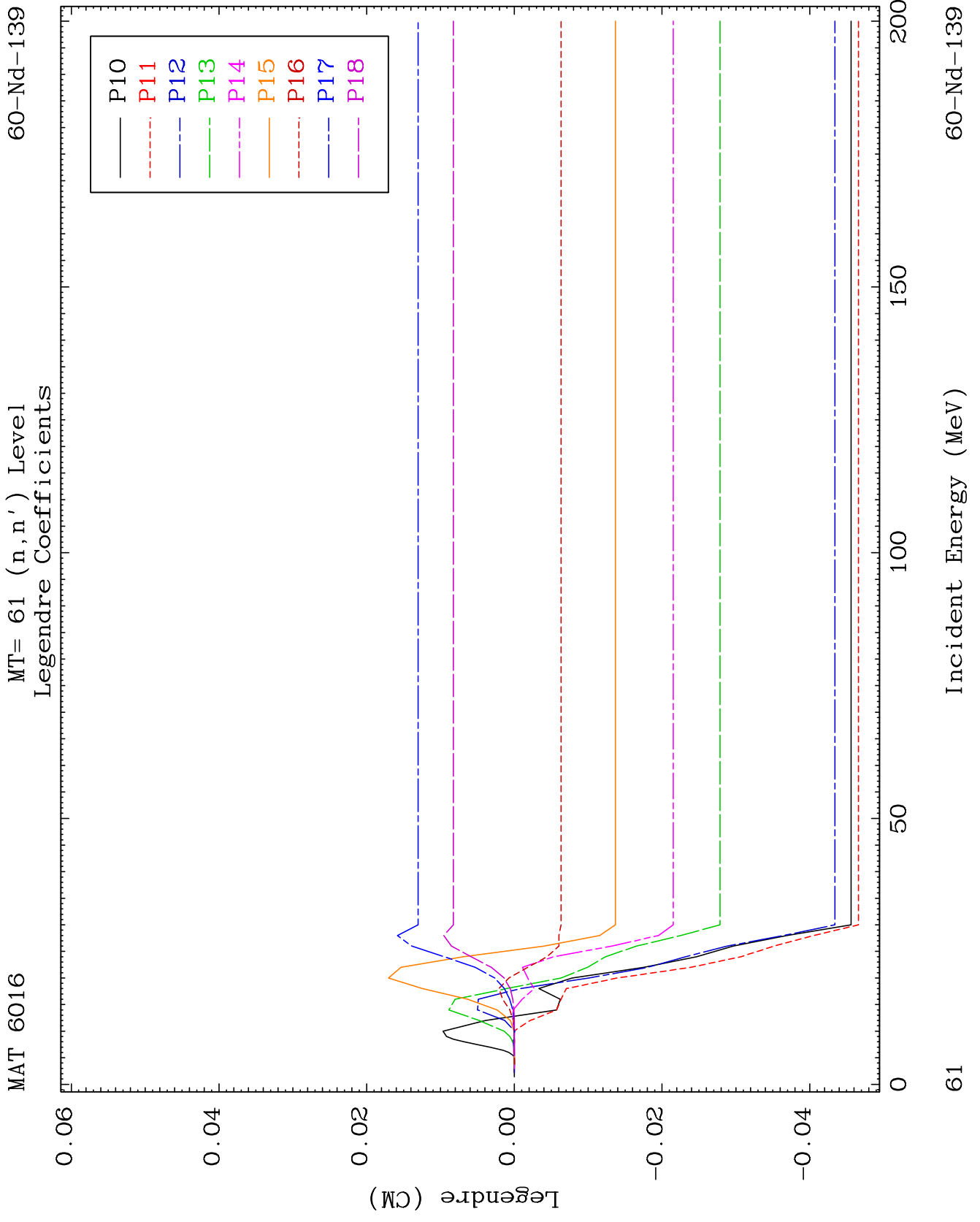


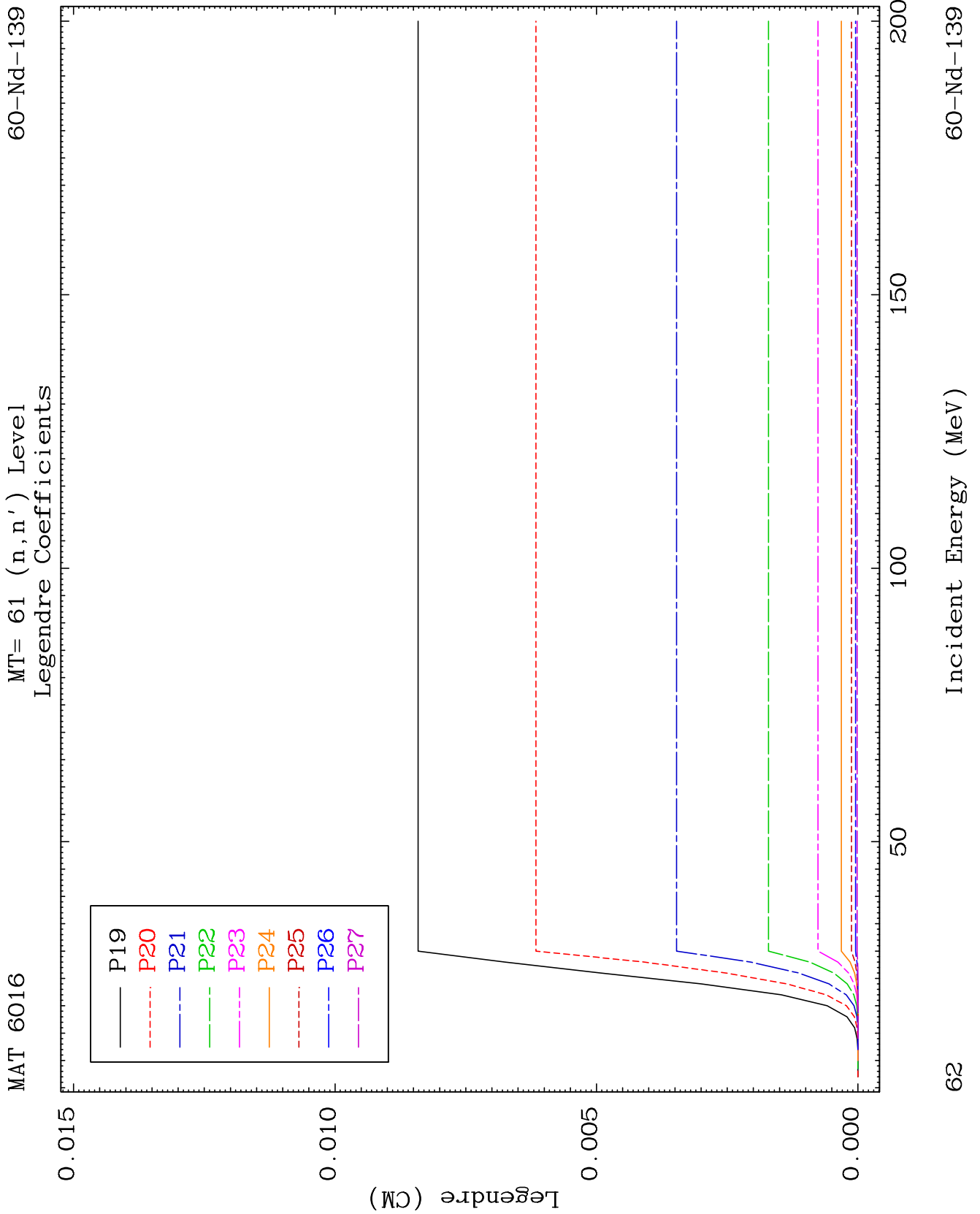


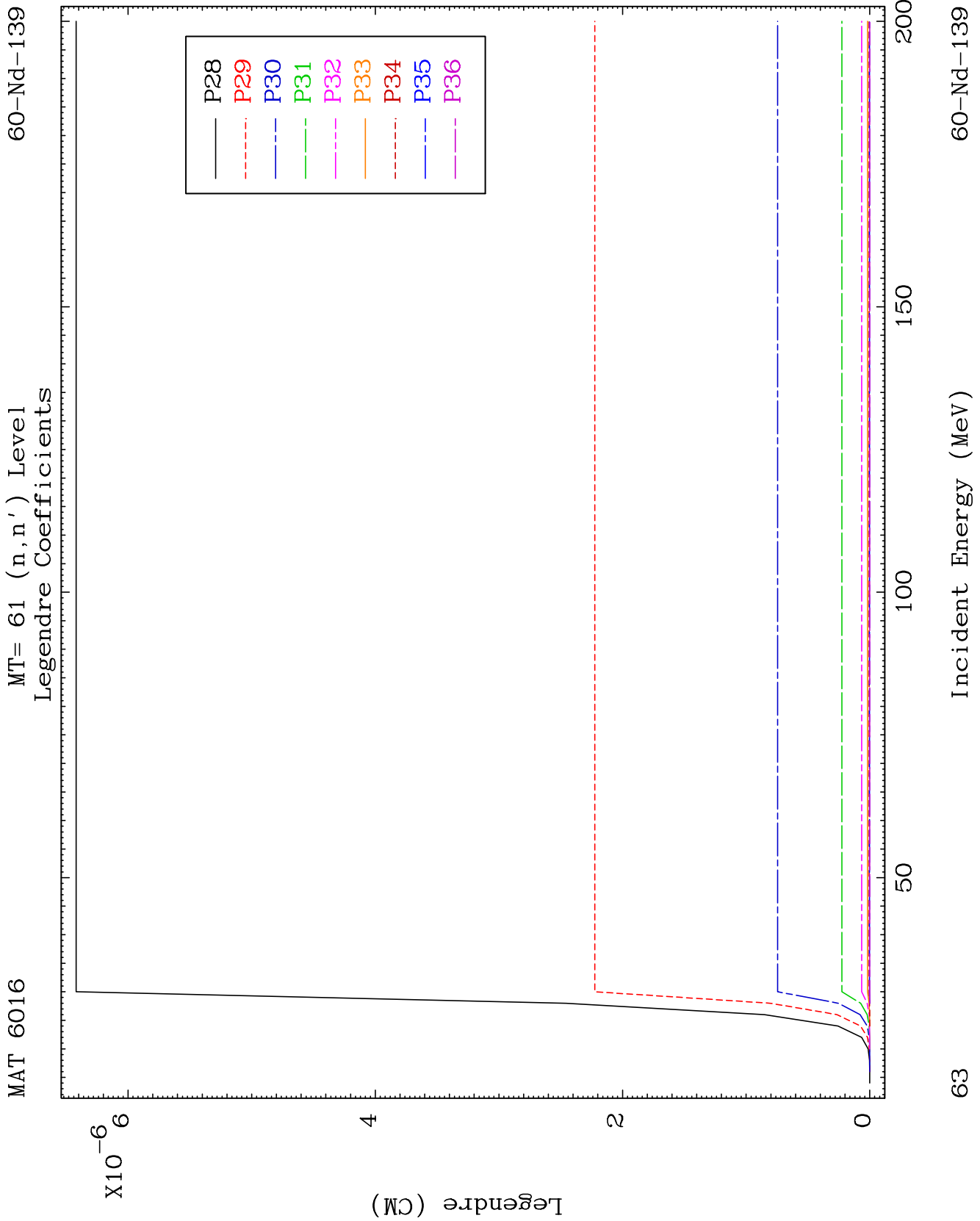




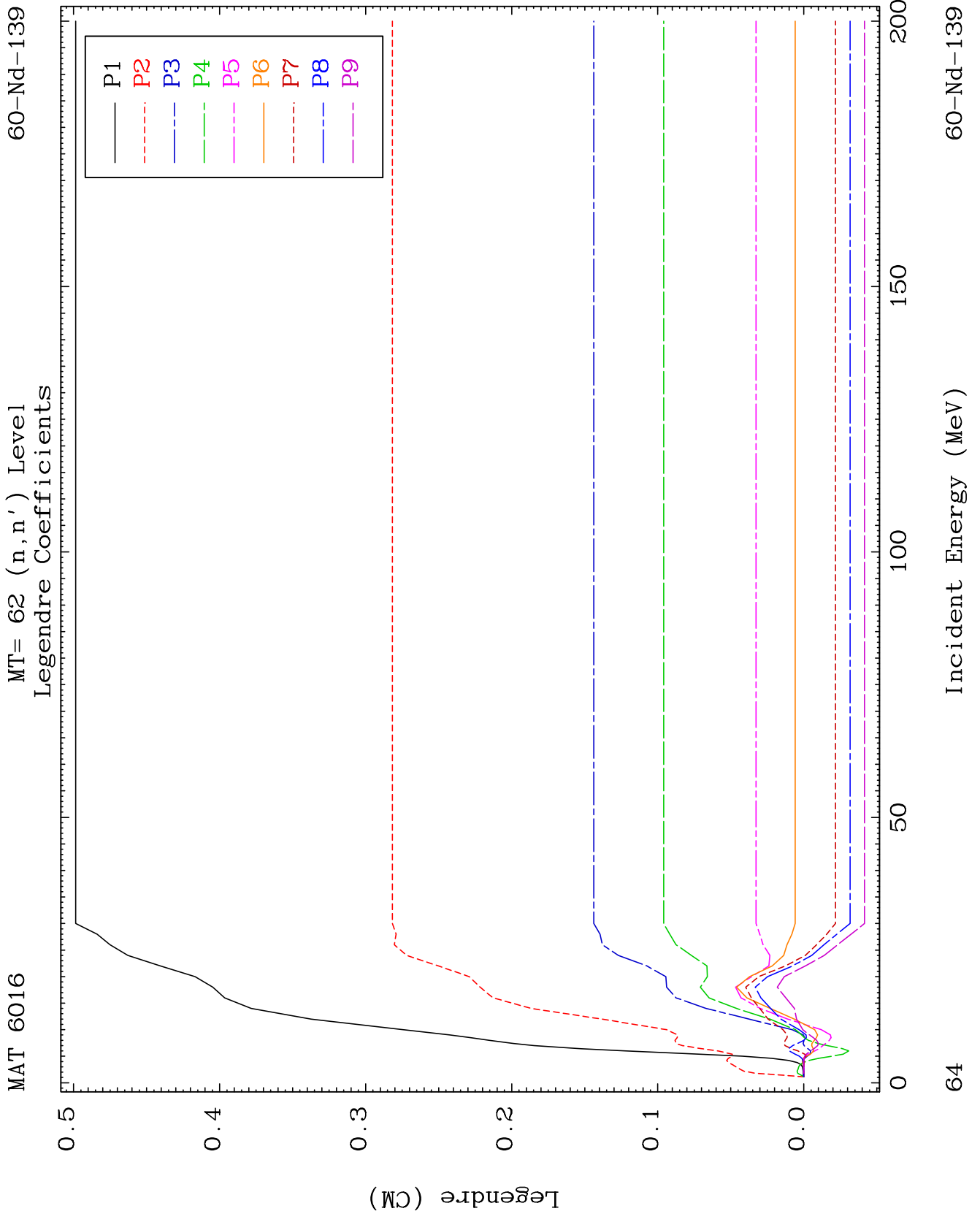


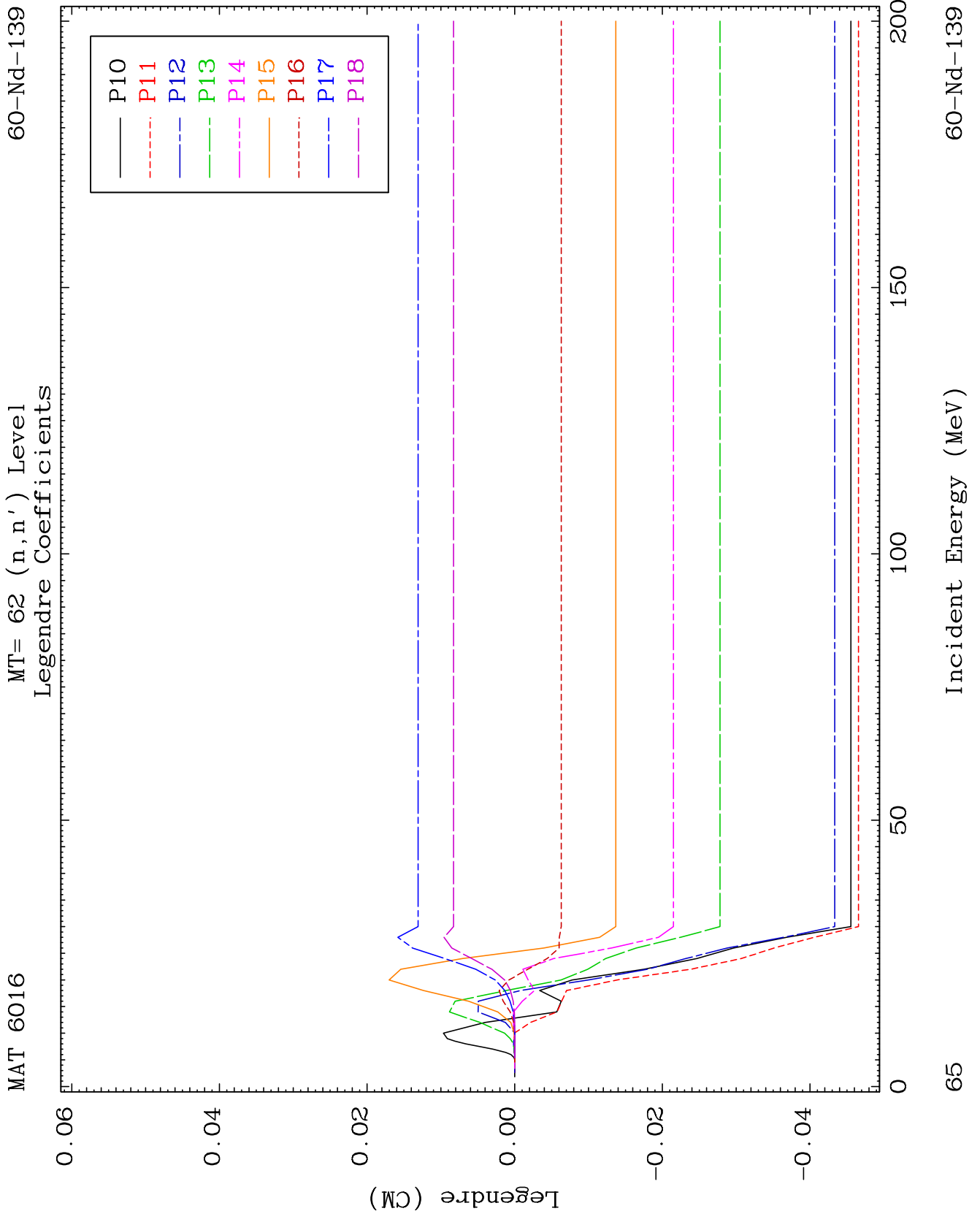










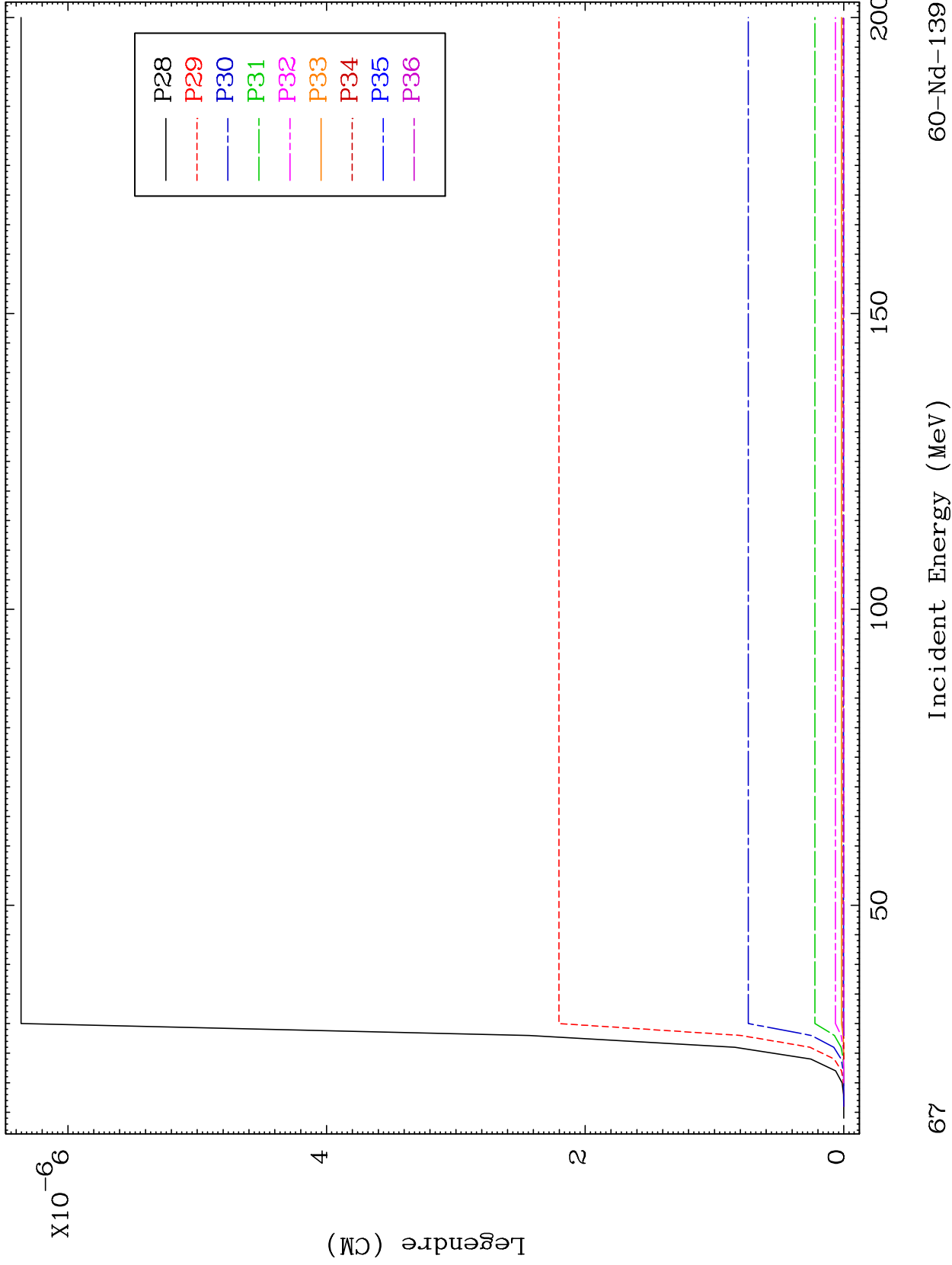




MAT 6016

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

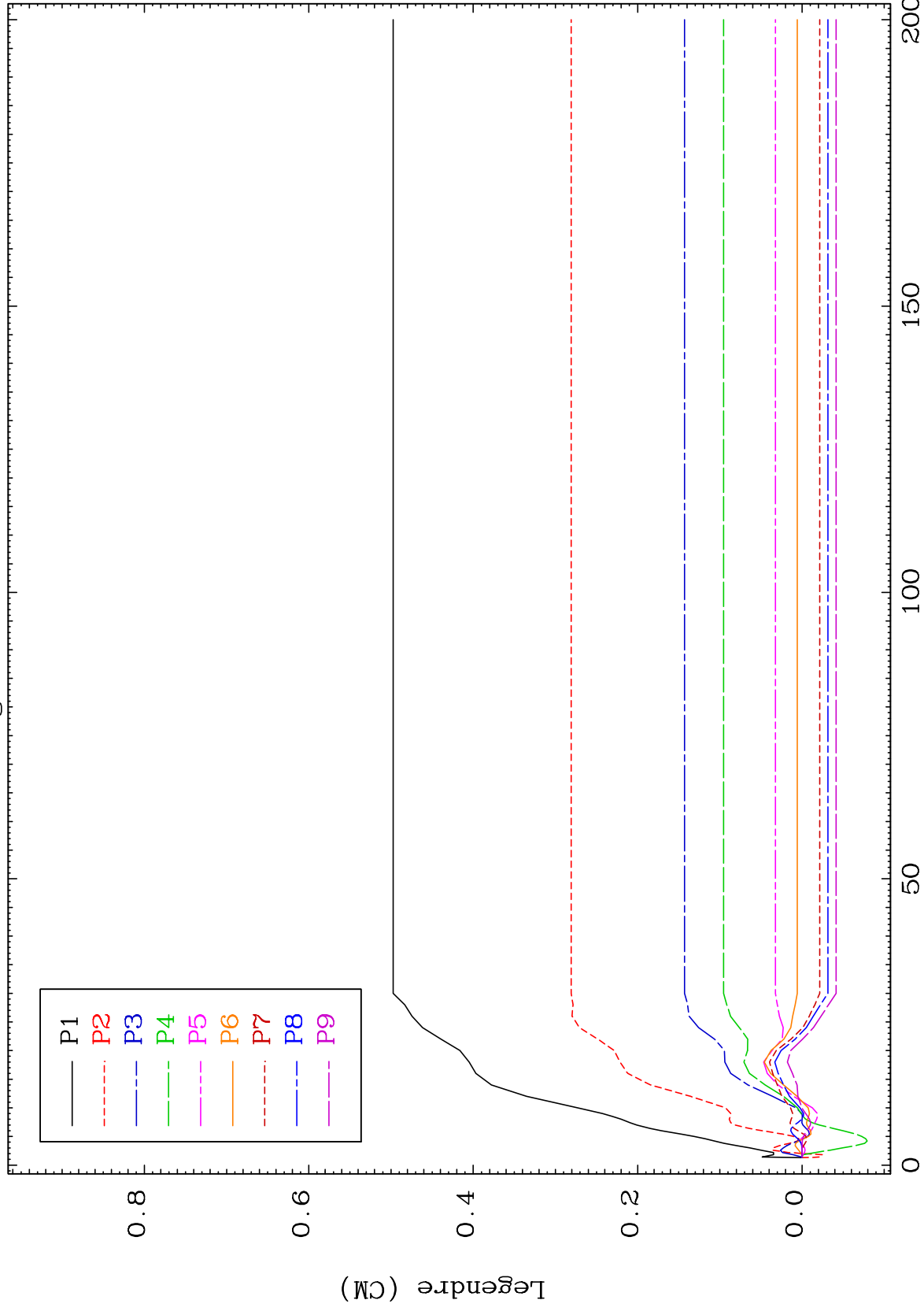
60-Nd-139



MAT 6016

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

60-Nd-139

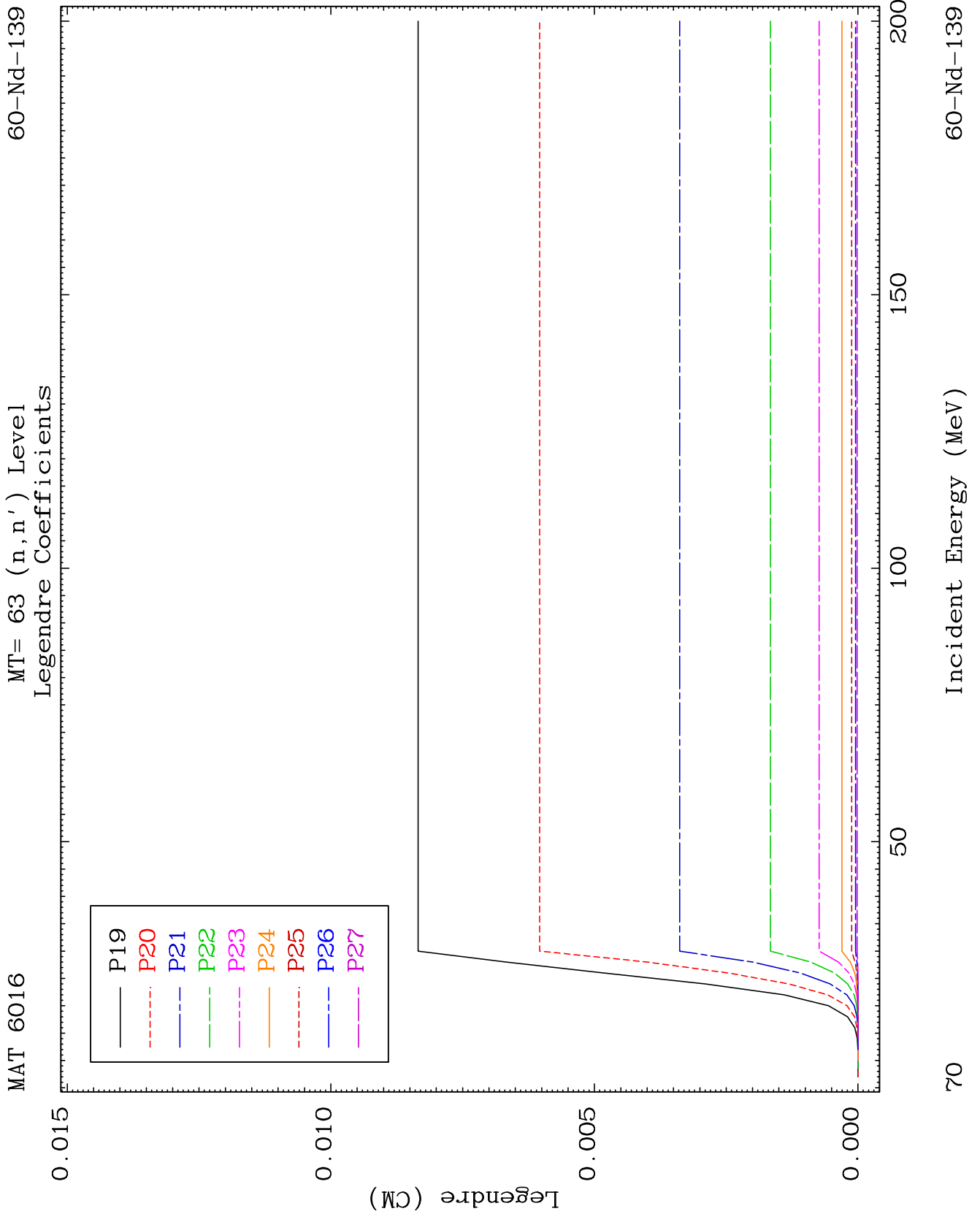


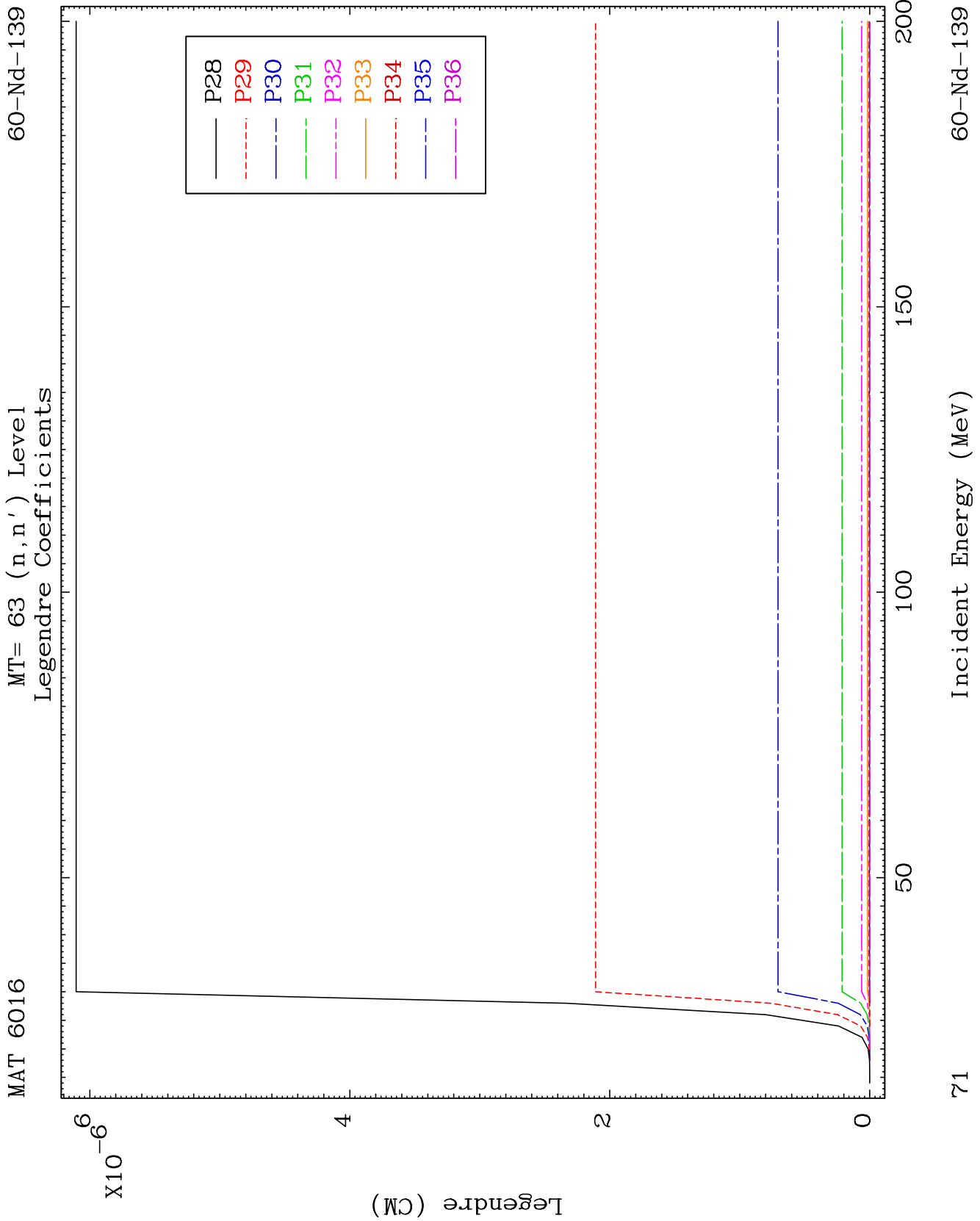
60-Nd-139

Incident Energy (MeV)

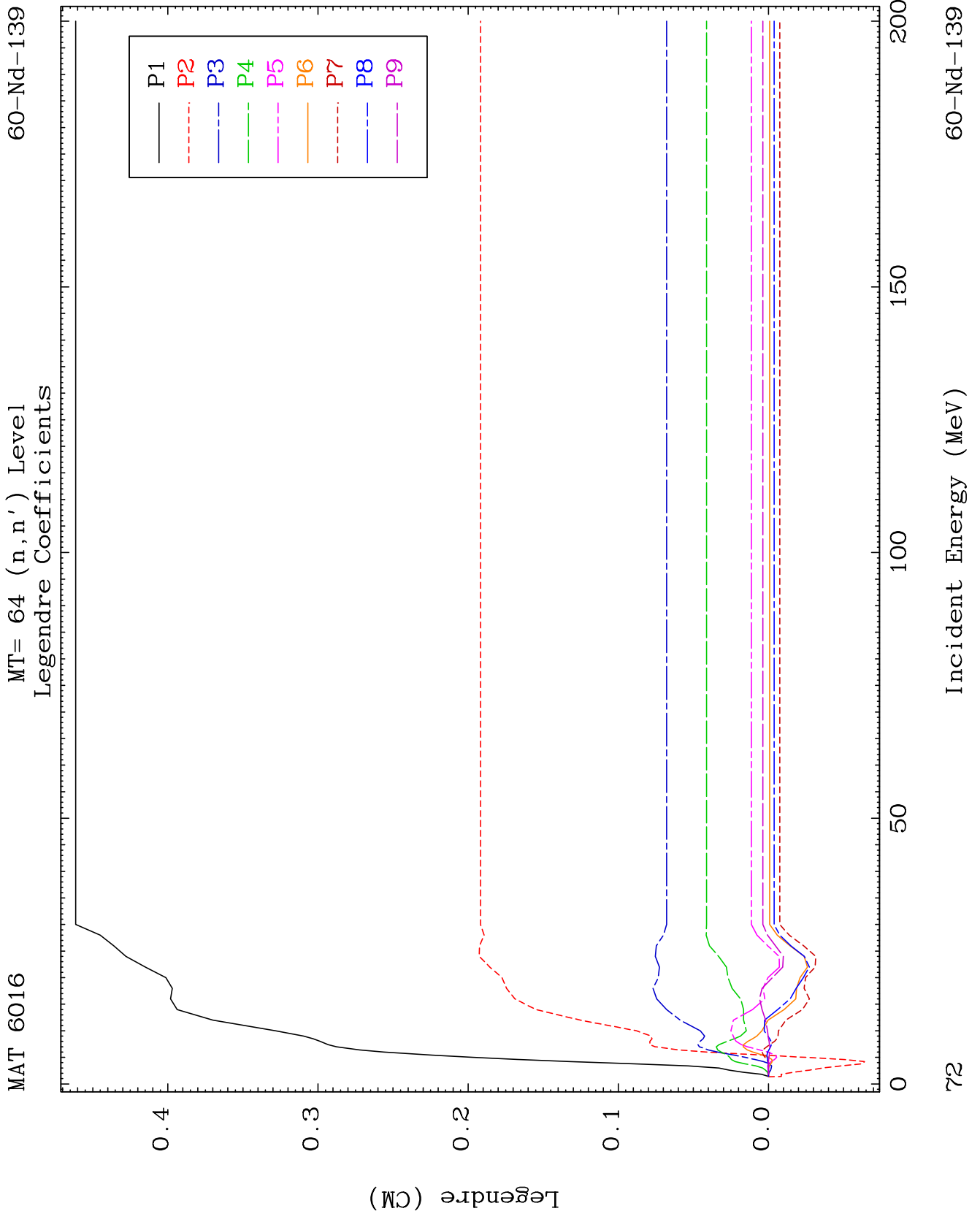
68

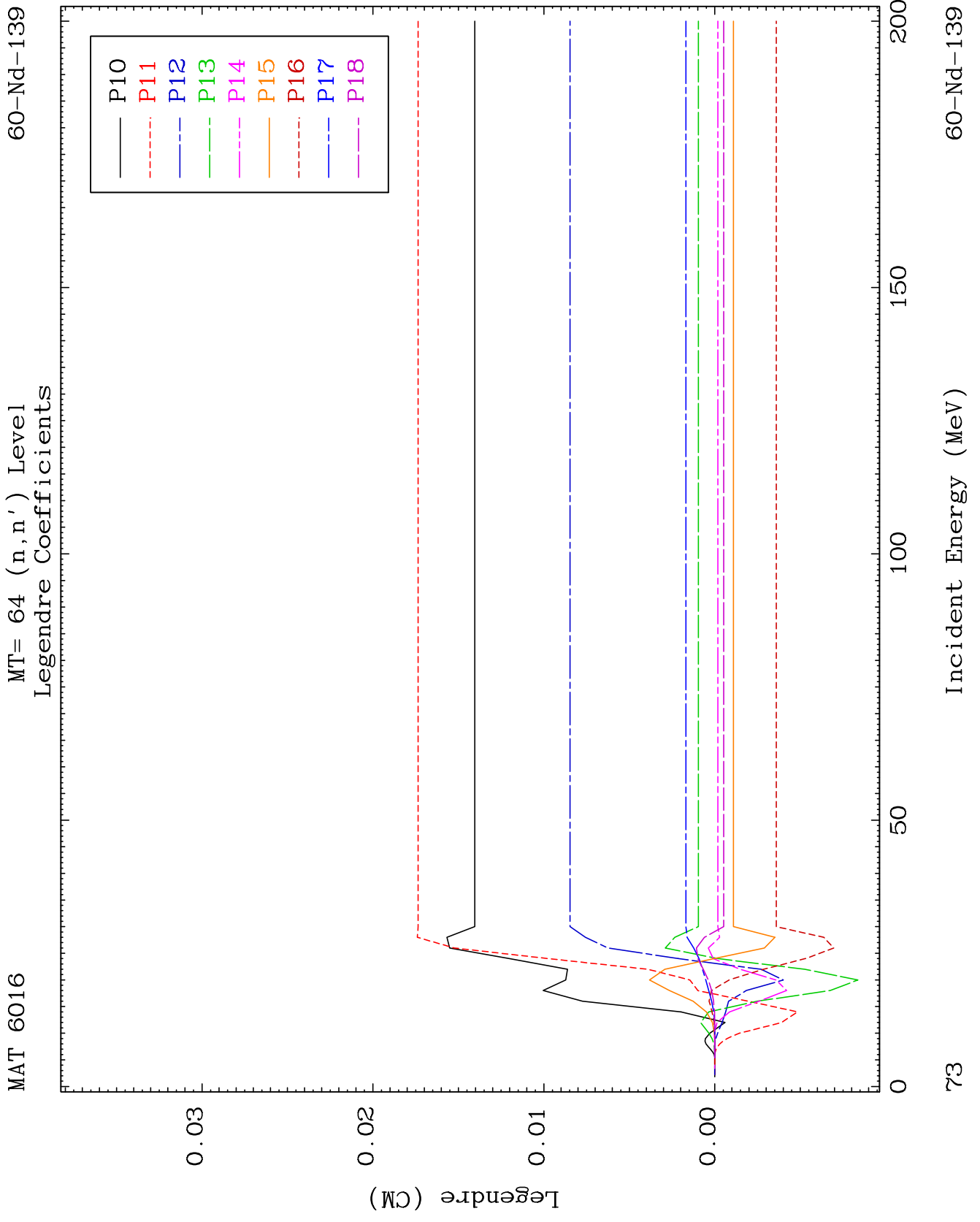


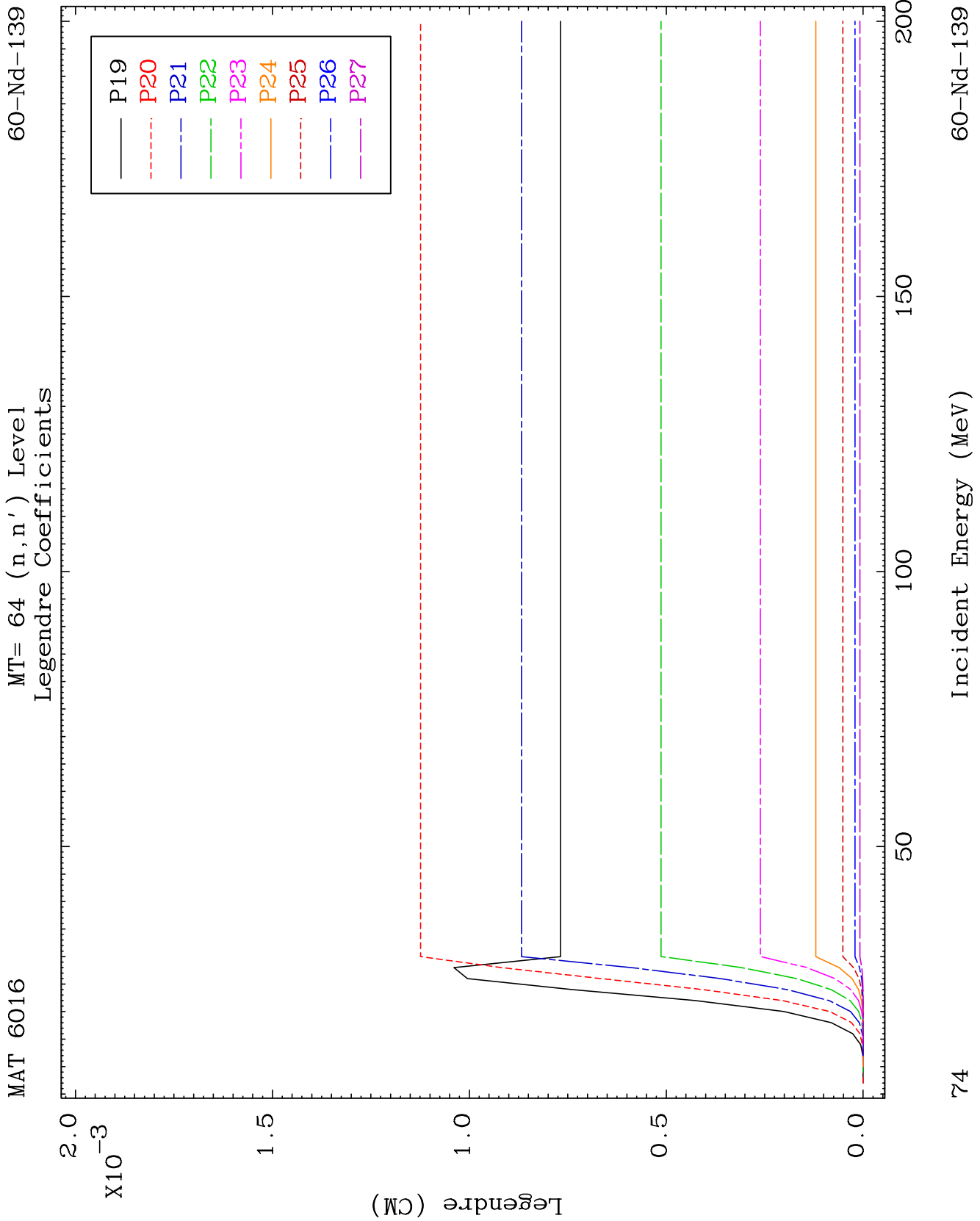








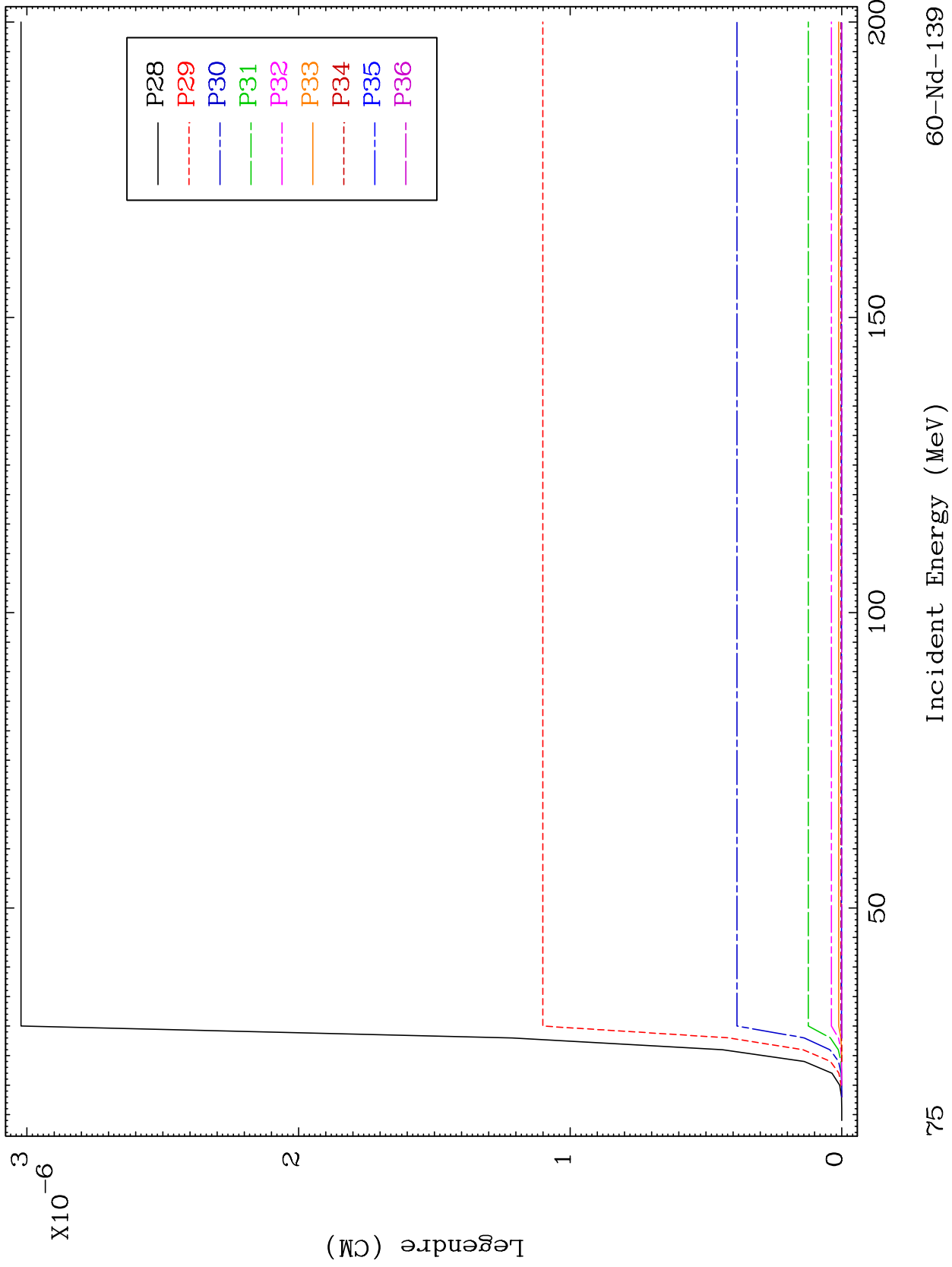




MAT 6016

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

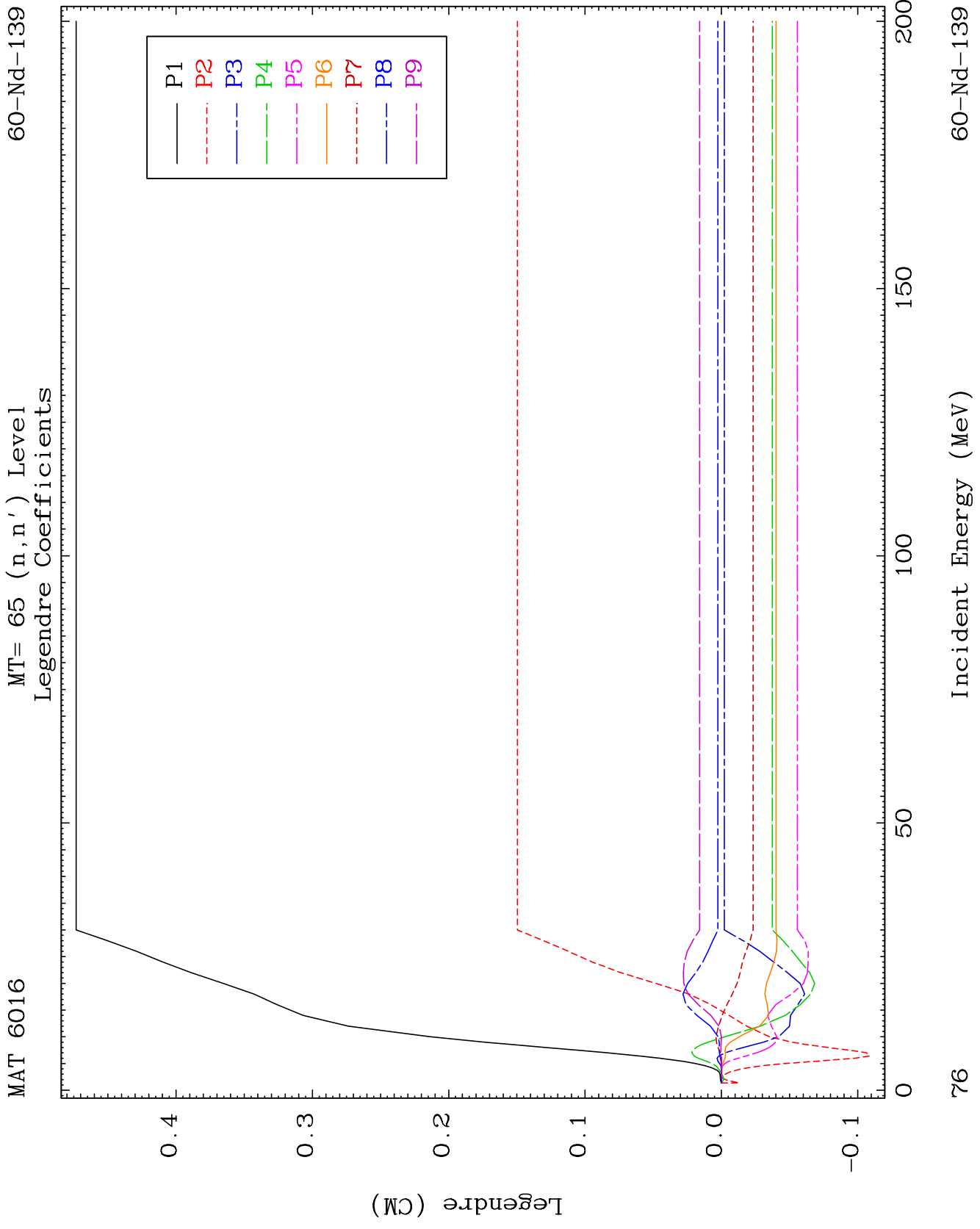
60-Nd-139



75

Incident Energy (MeV)

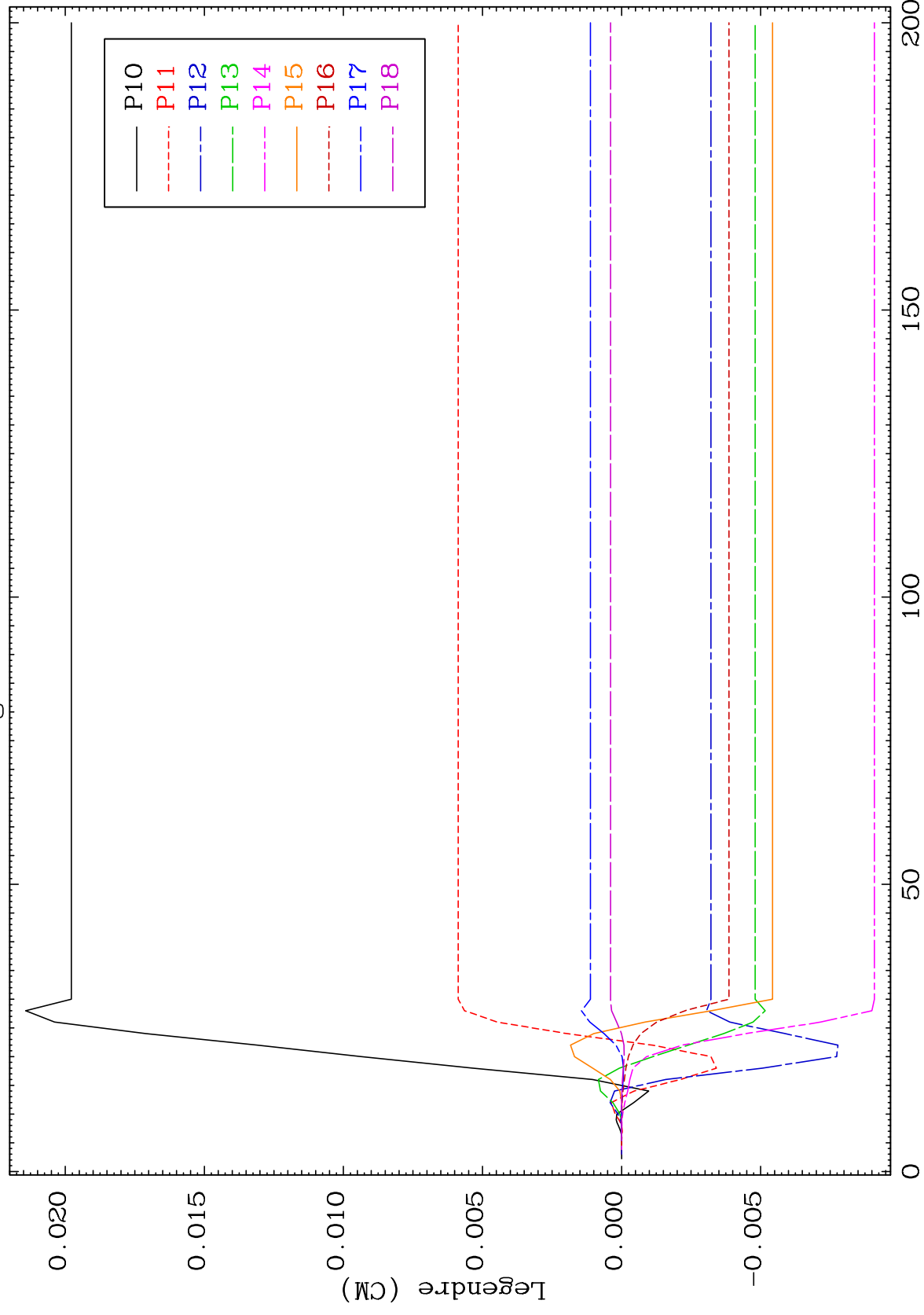
60-Nd-139



MAT 6016

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

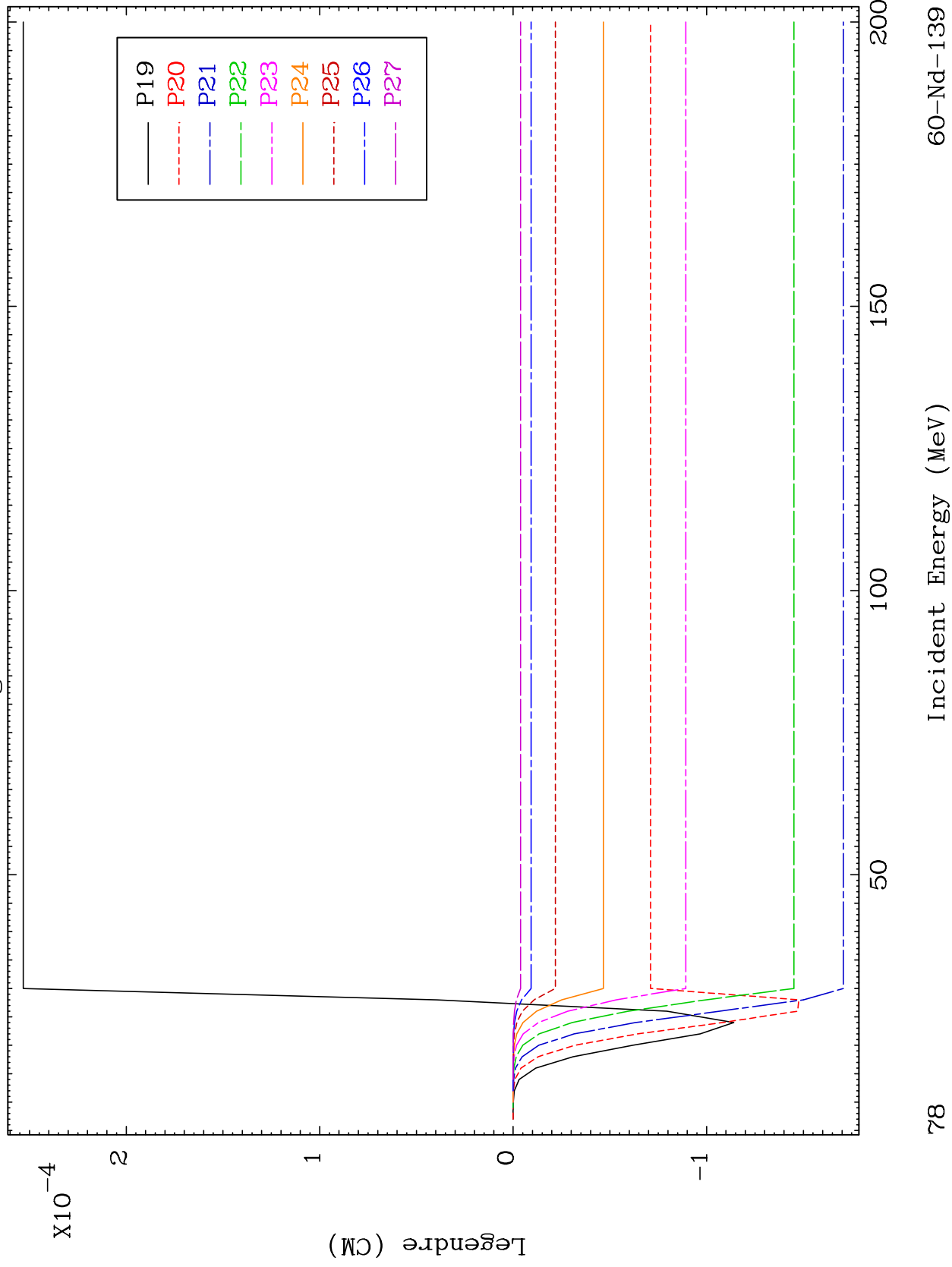
60-Nd-139

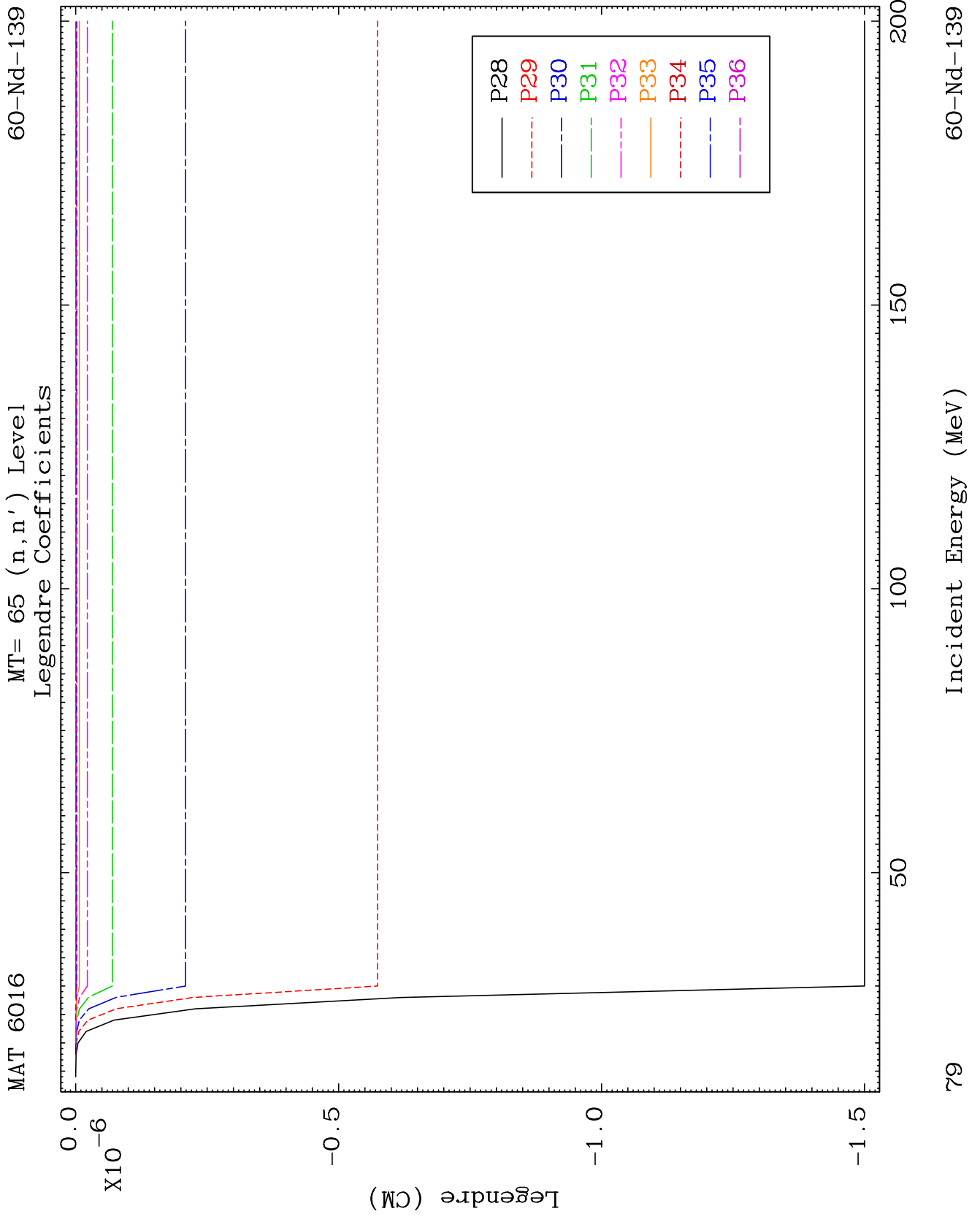


MAT 6016

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

60-Nd-139



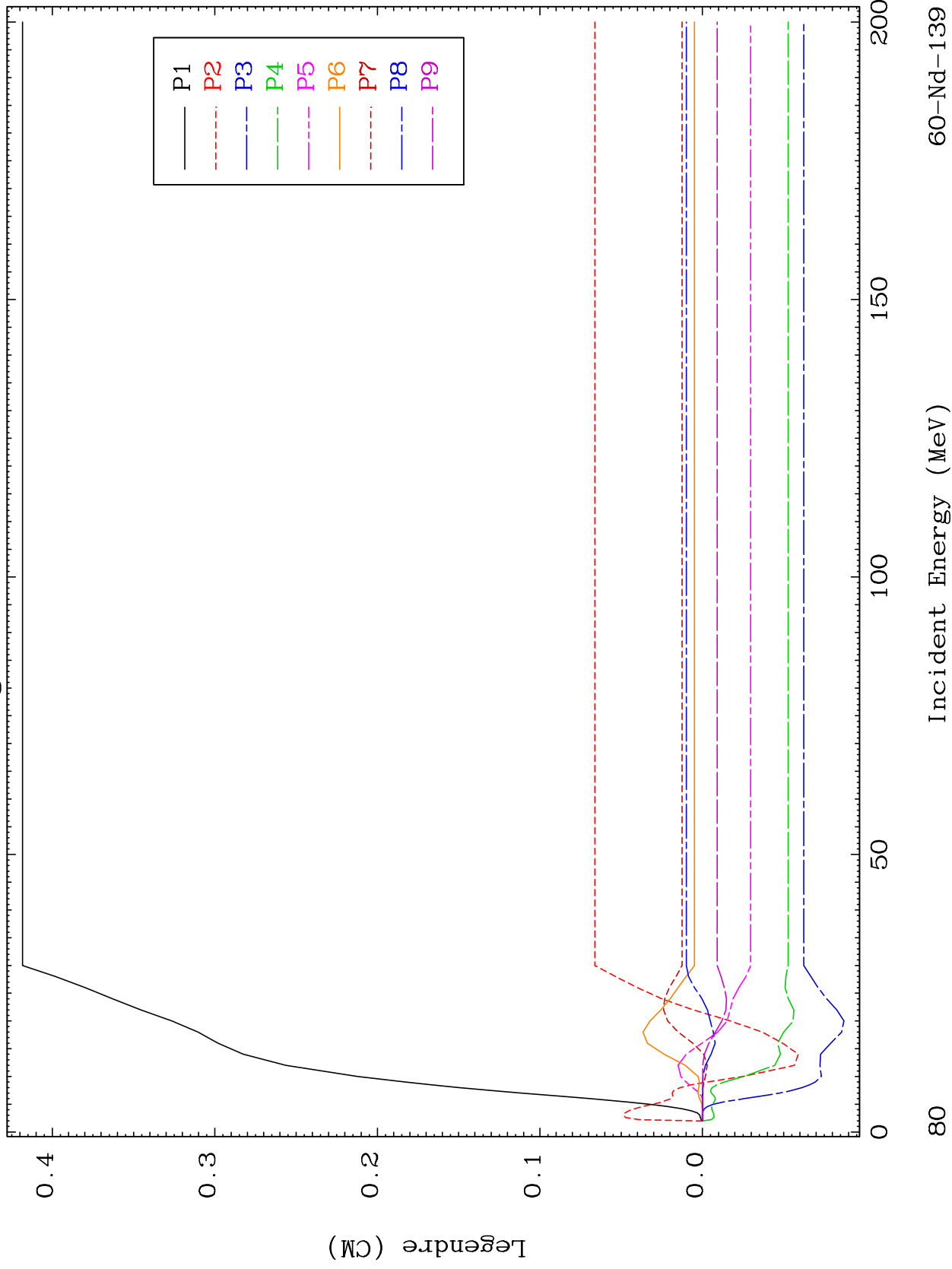




MAT 6016

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

60-Nd-139



60-Nd-139

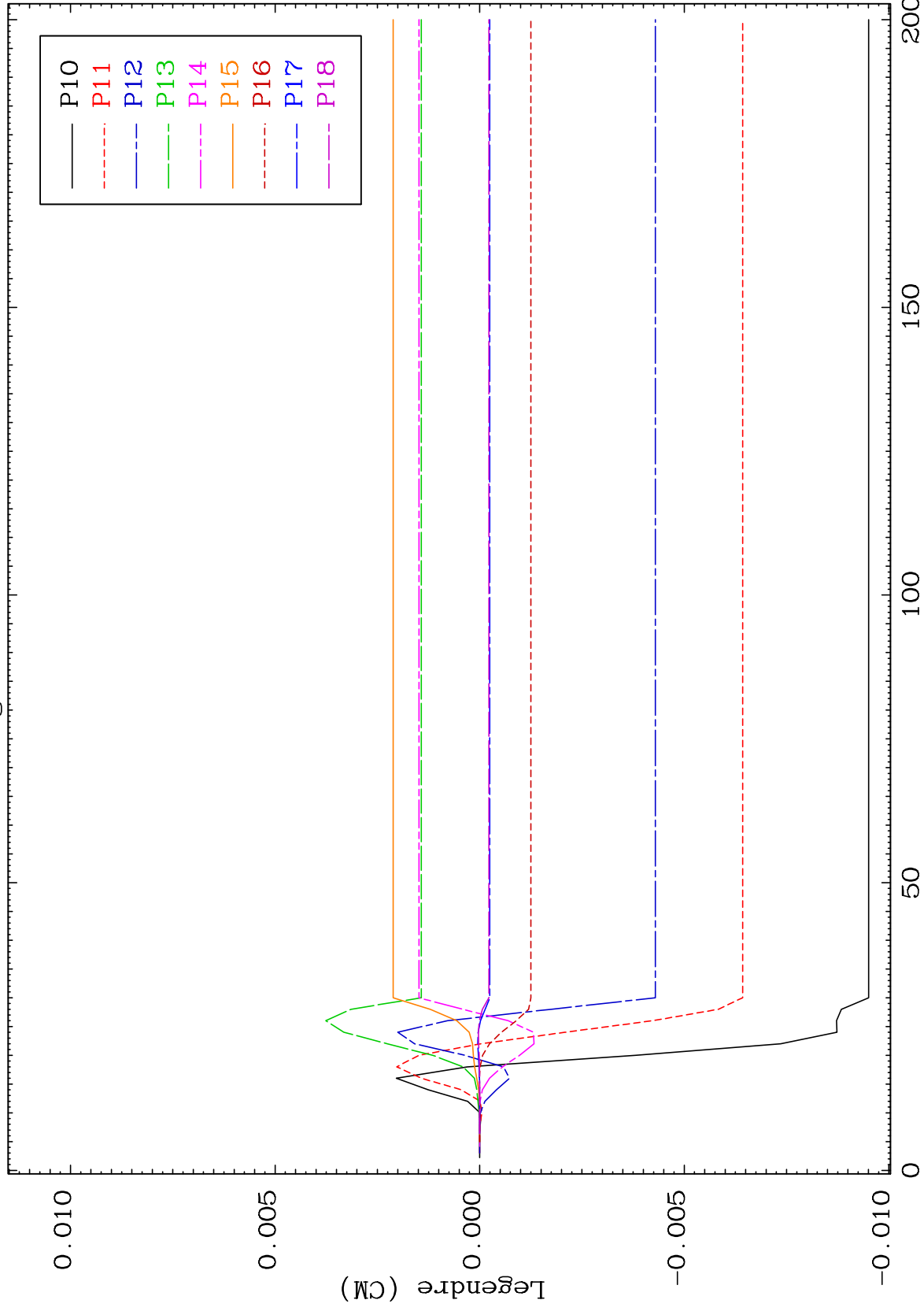
Incident Energy (MeV)

80

MAT 6016

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

60-Nd-139



81

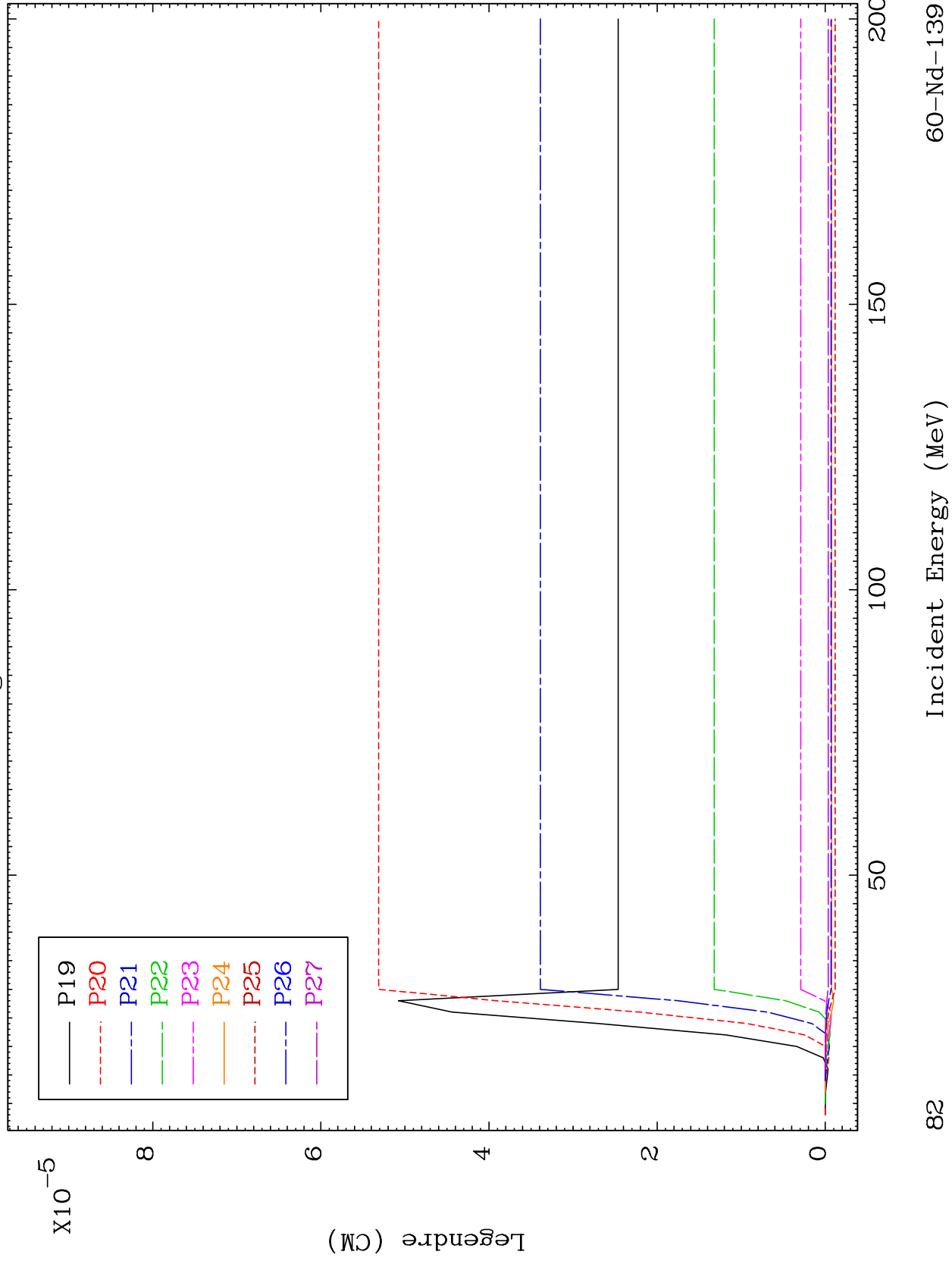
Incident Energy (MeV)

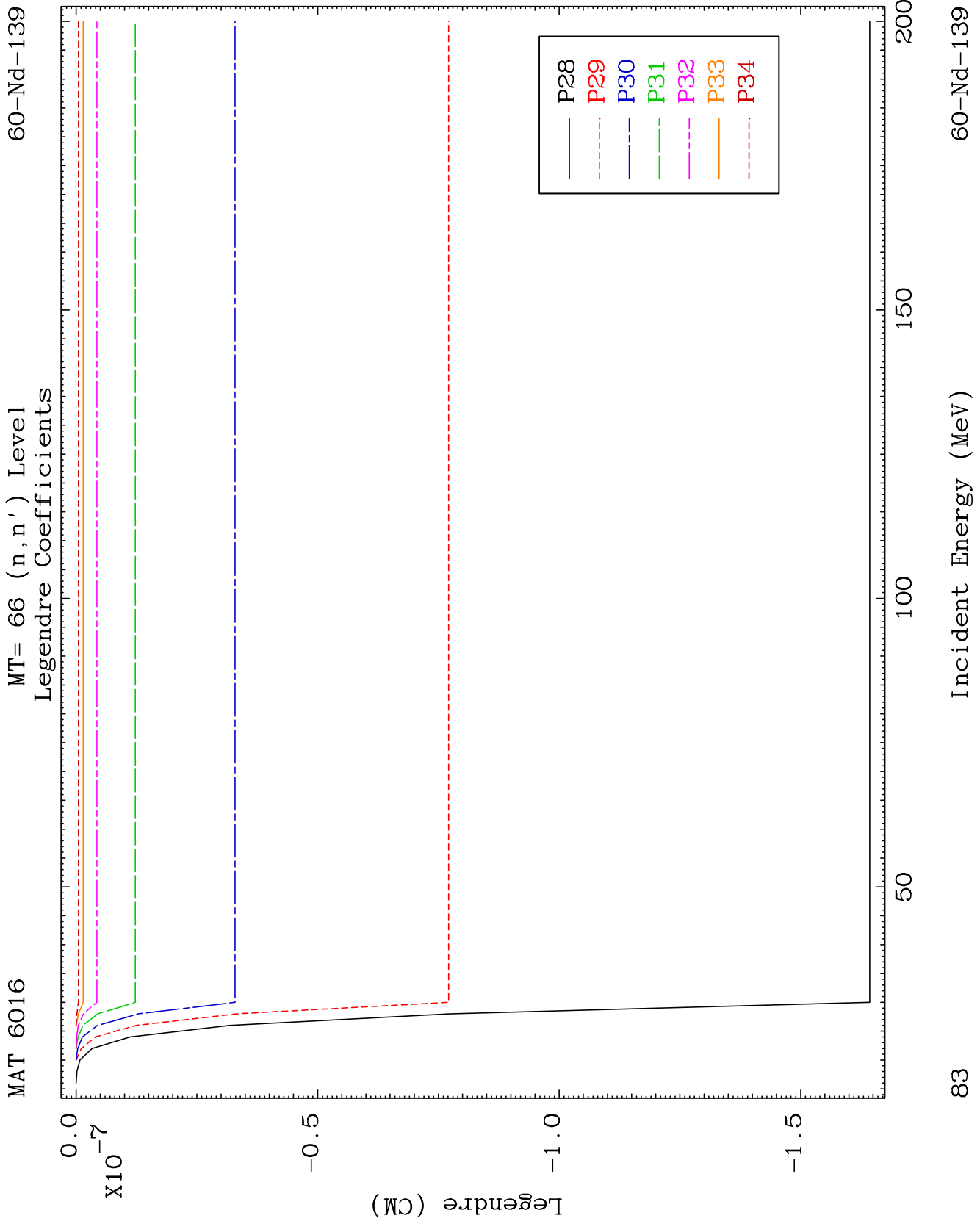
60-Nd-139

MAT 6016

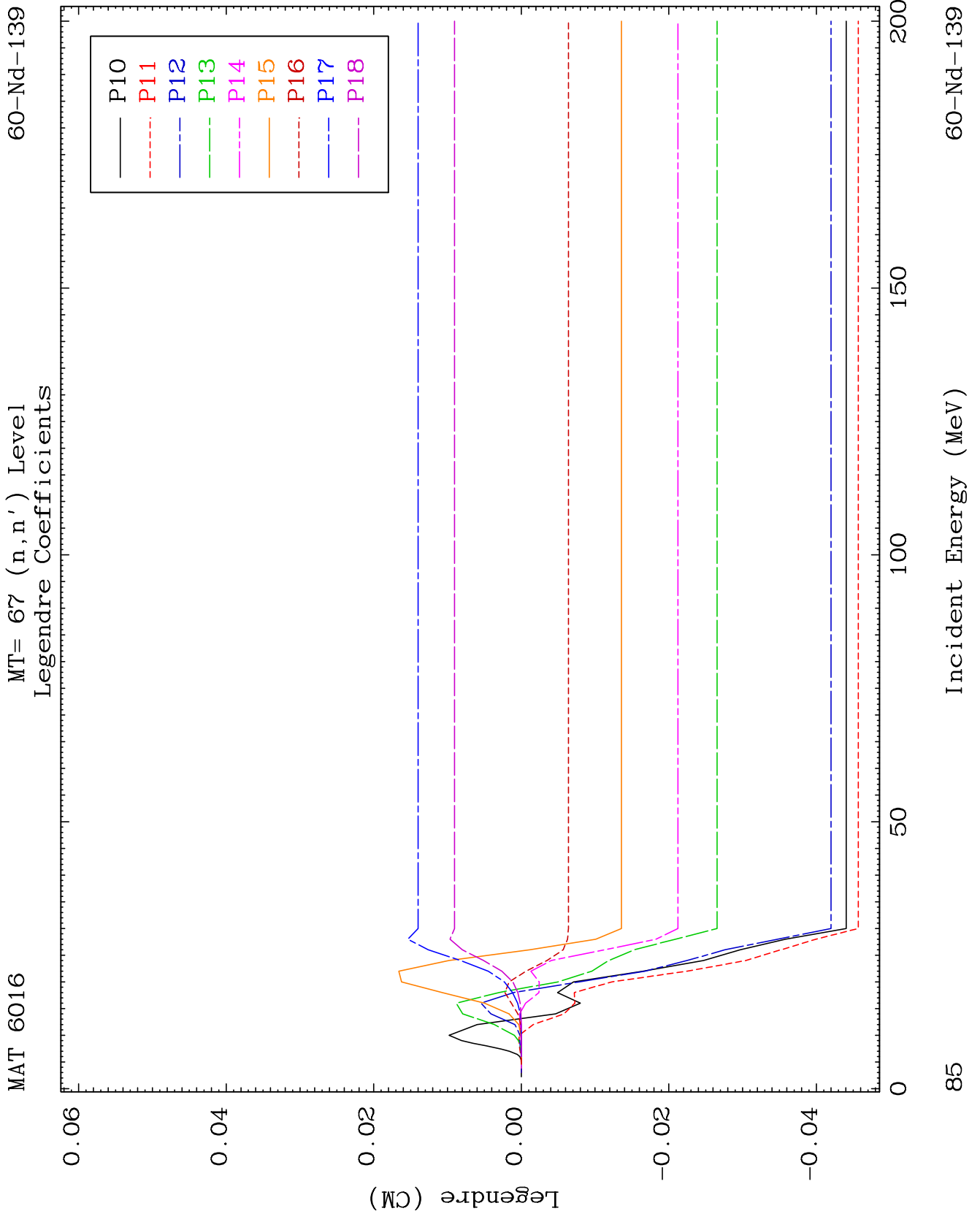
MT= 66 (n,n') Level  
Legendre Coefficients

60-Nd-139





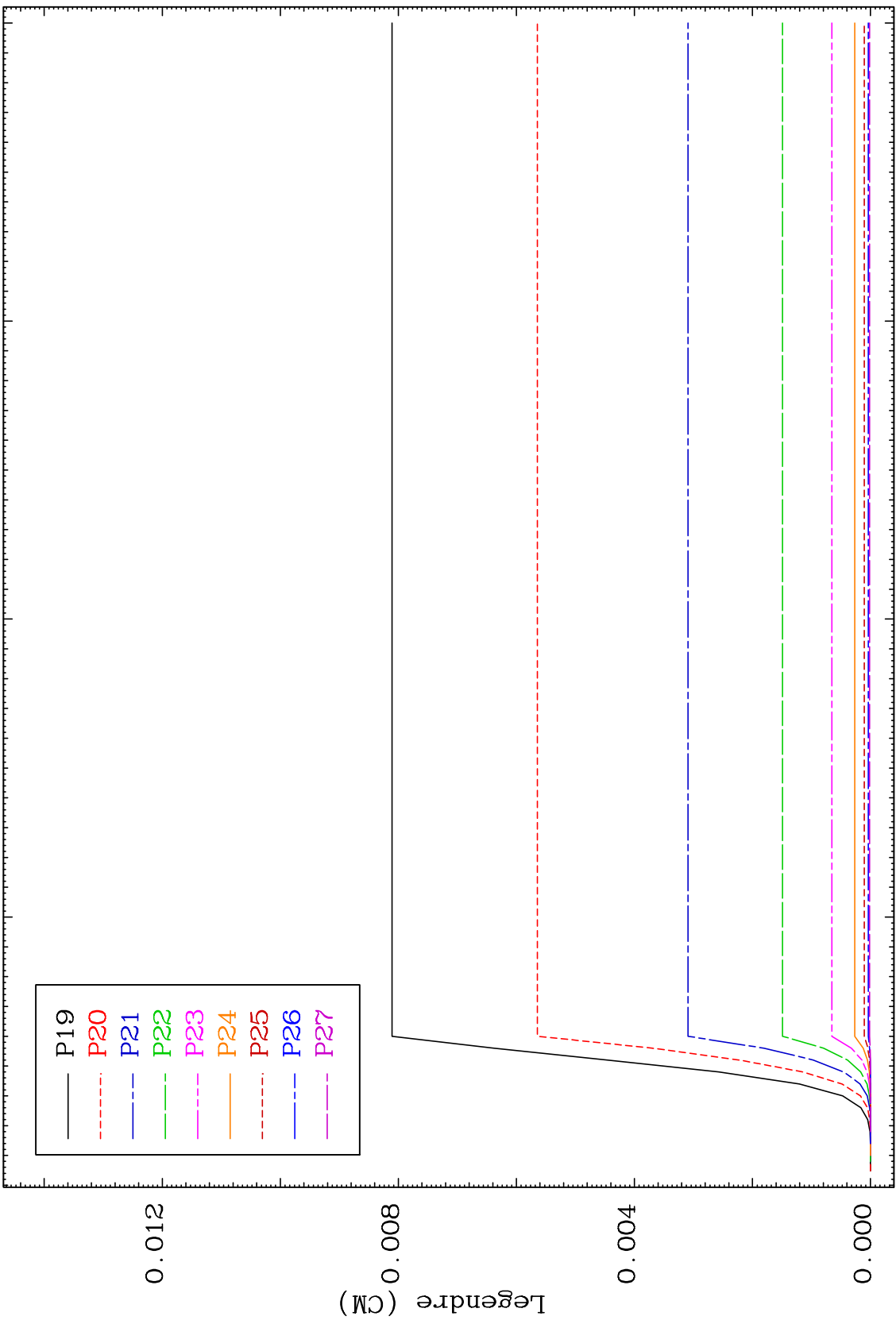




MAT 6016

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

60-Nd-139



86

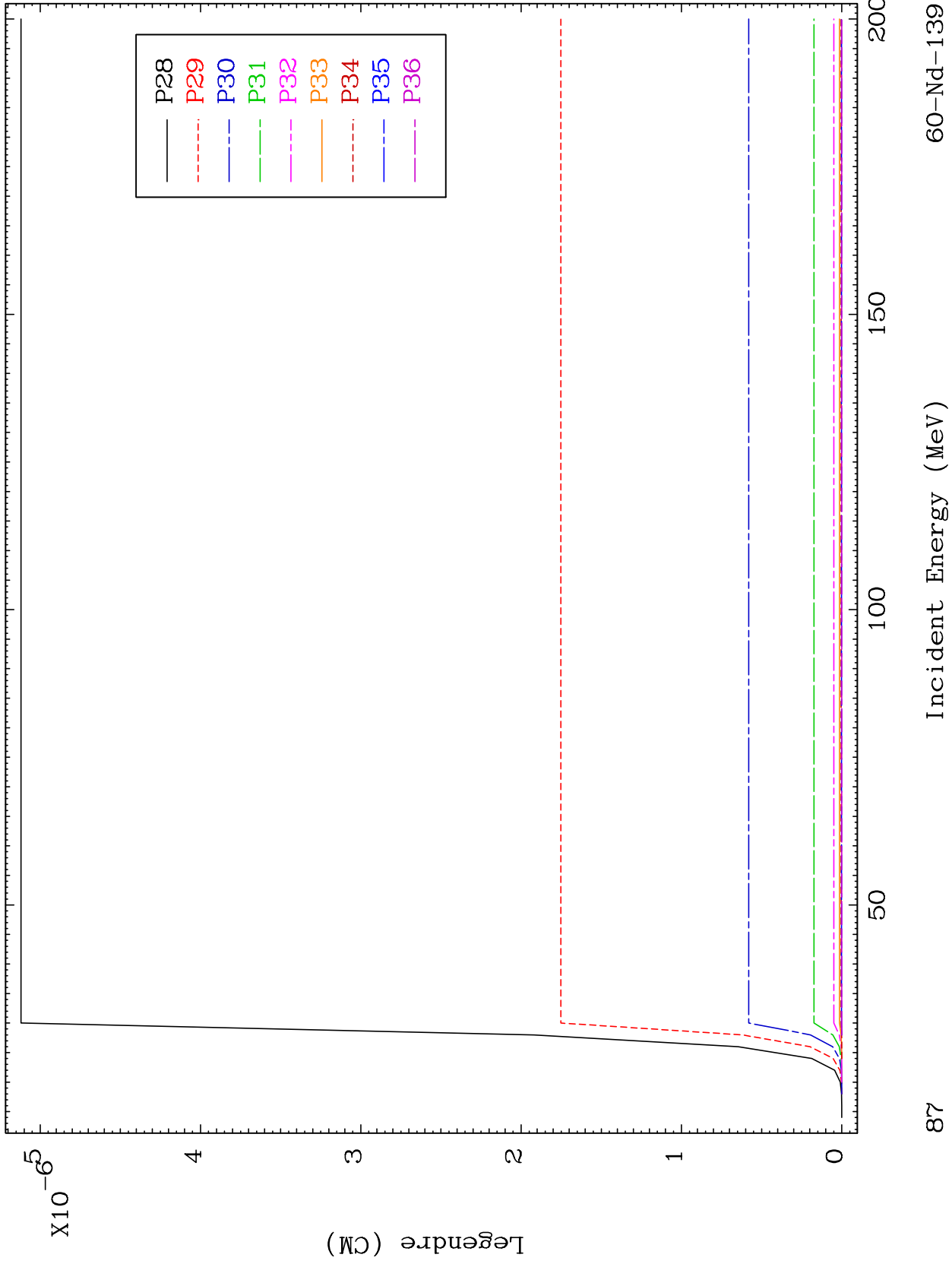
Incident Energy (MeV)

60-Nd-139

MAT 6016

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

60-Nd-139

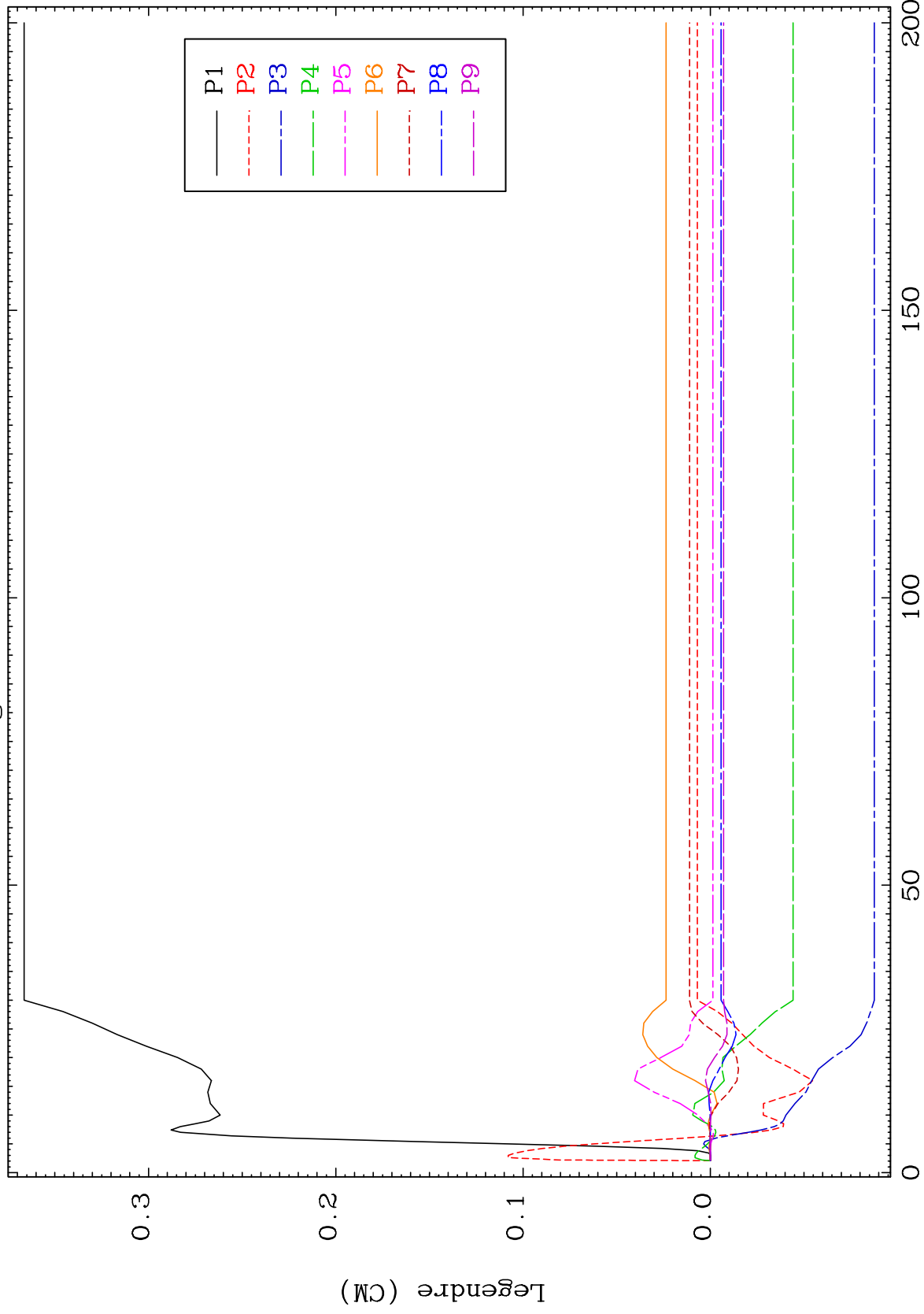




MAT 6016

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

60-Nd-139



88

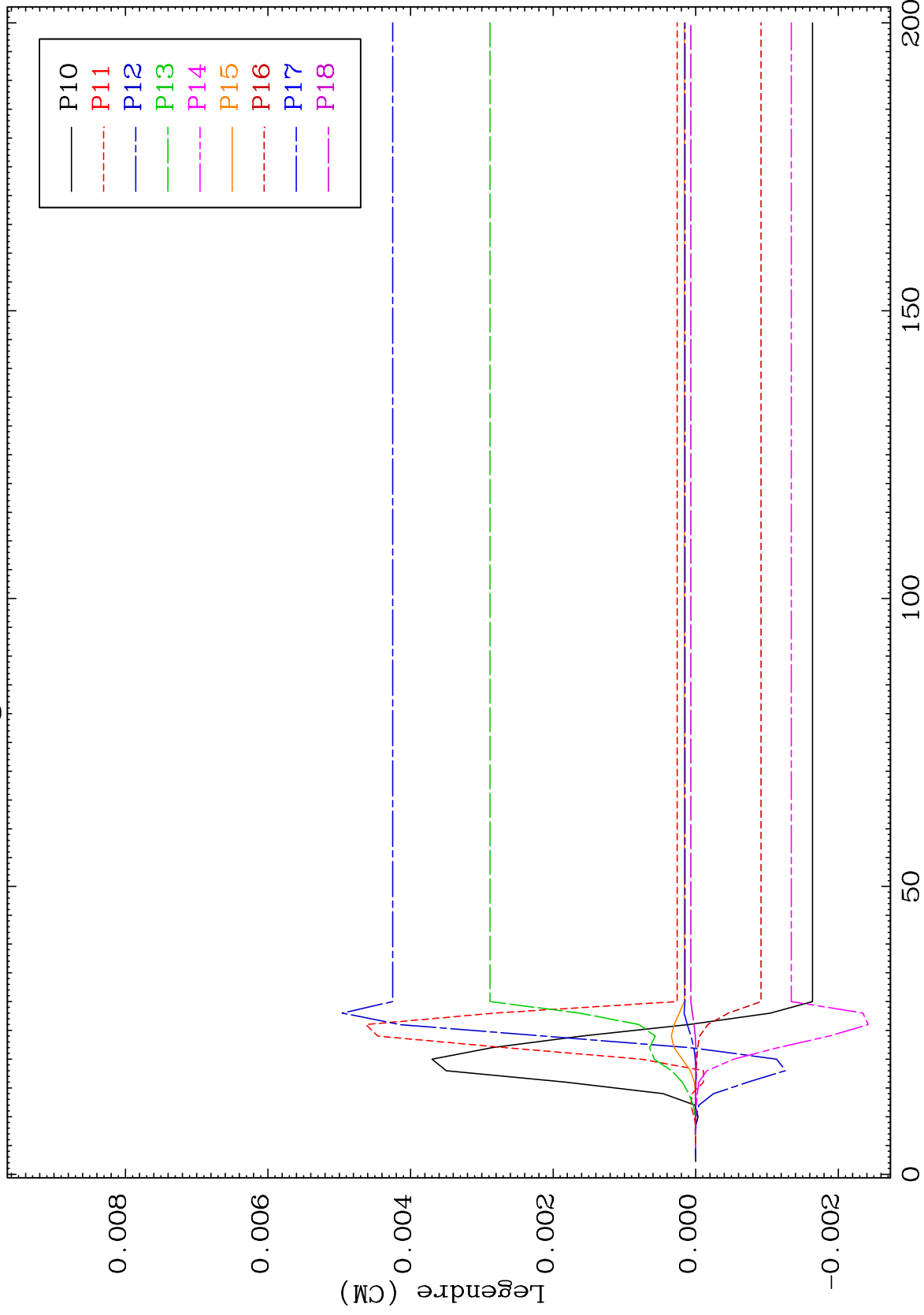
Incident Energy (MeV)

60-Nd-139

MAT 6016

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

60-Nd-139



89

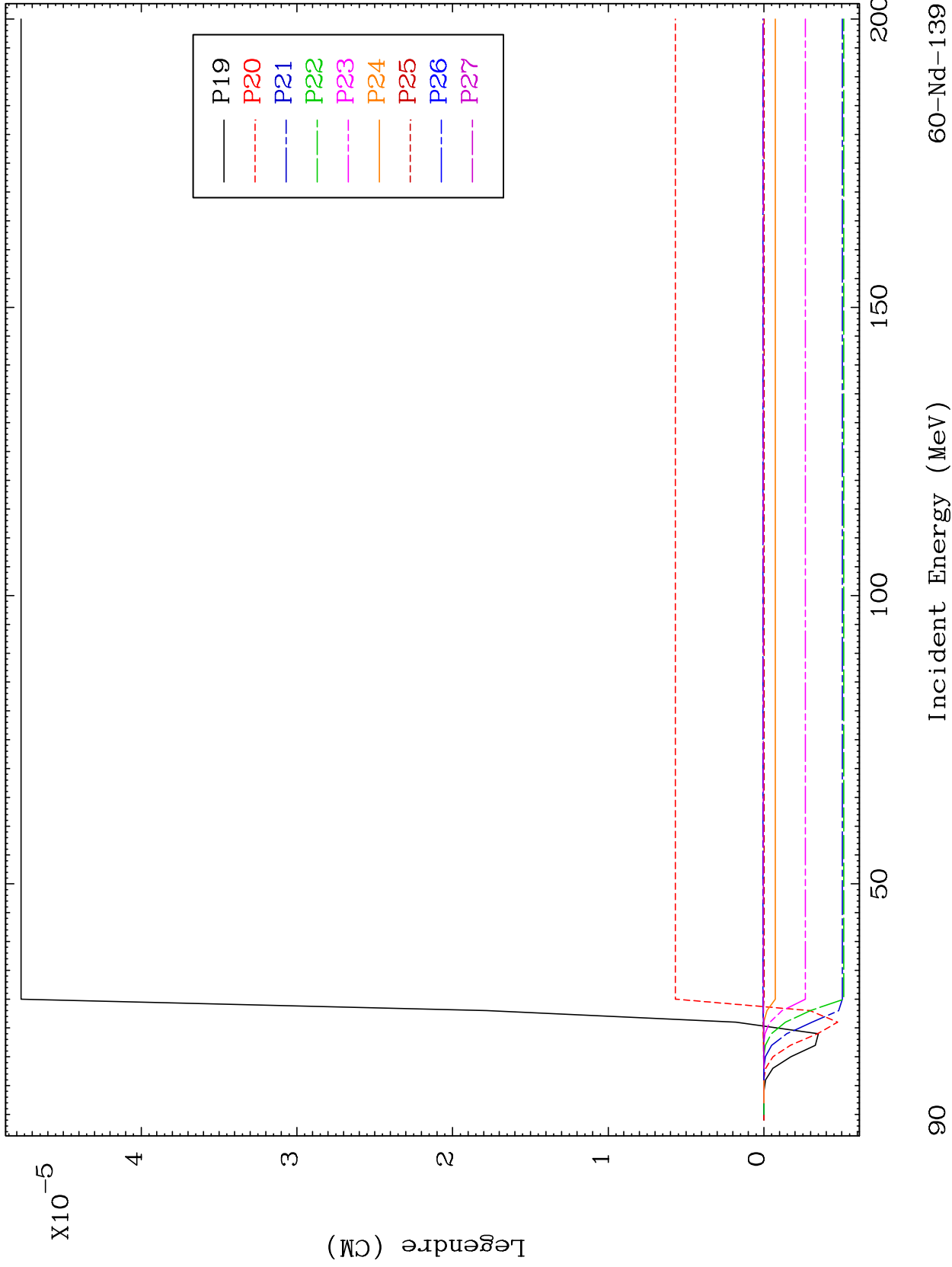
Incident Energy (MeV)

60-Nd-139

MAT 6016

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

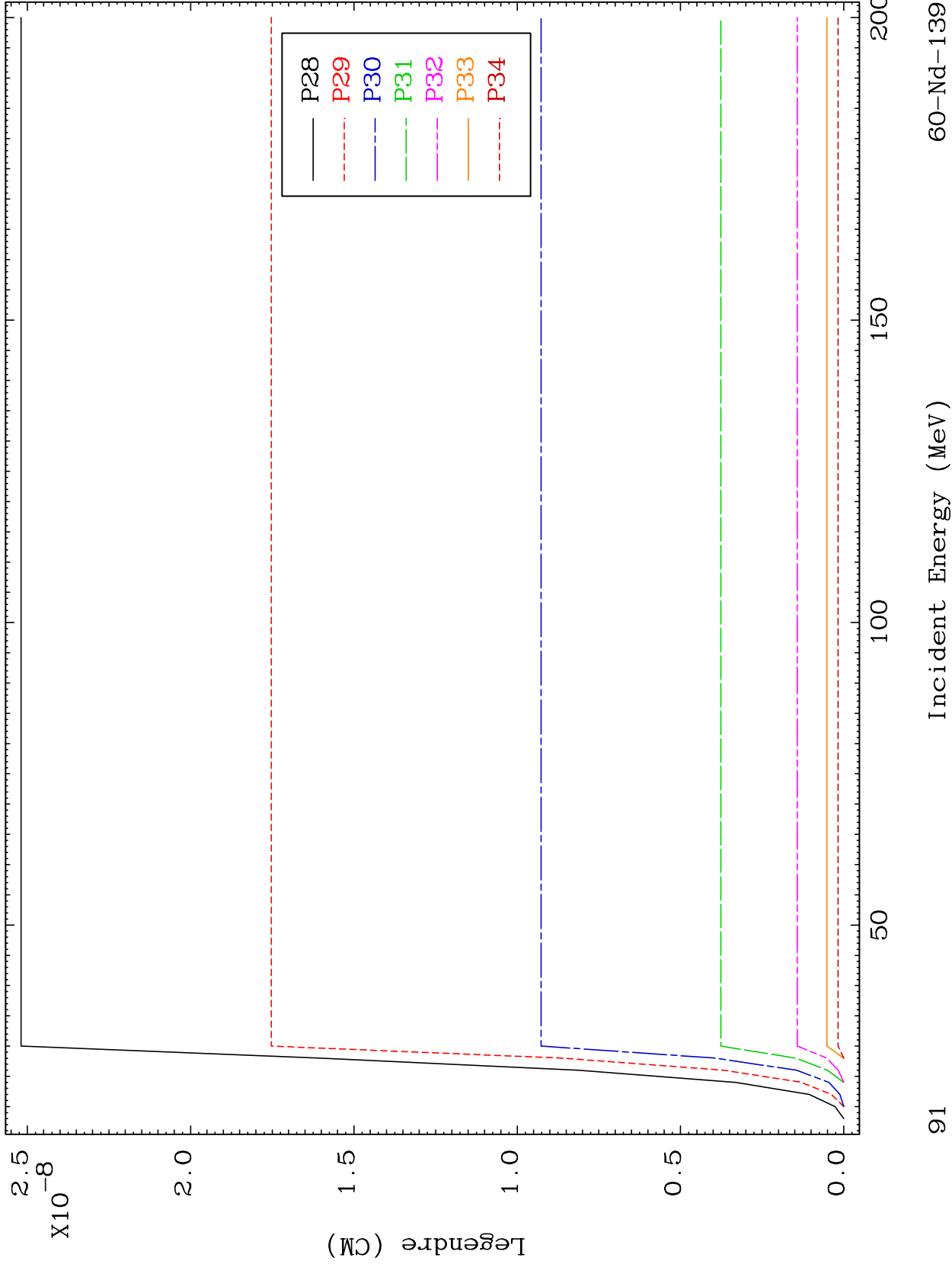
60-Nd-139



MAT 6016

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

60-Nd-139



91

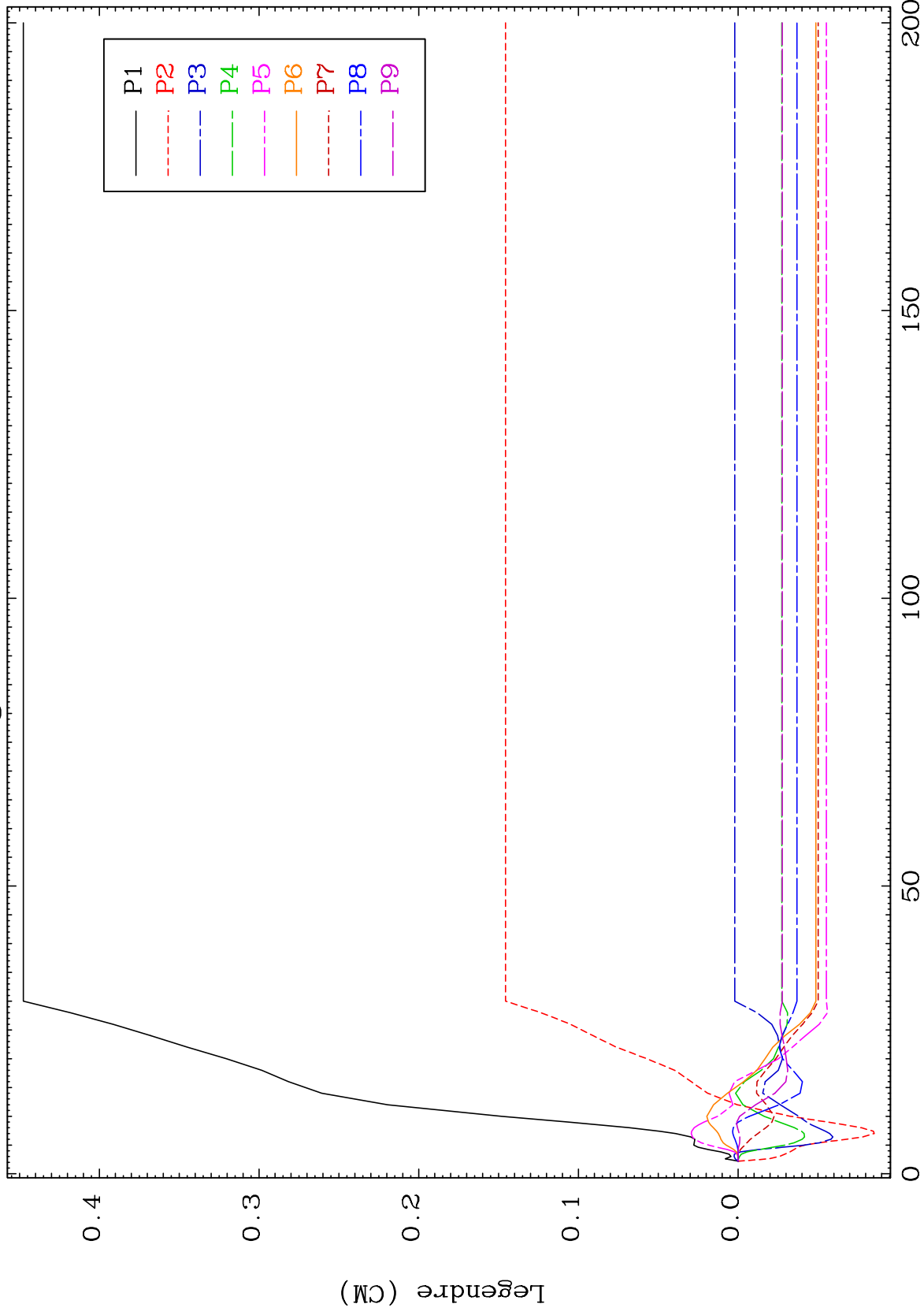
Incident Energy (MeV)

60-Nd-139

MAT 6016

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

60-Nd-139



92

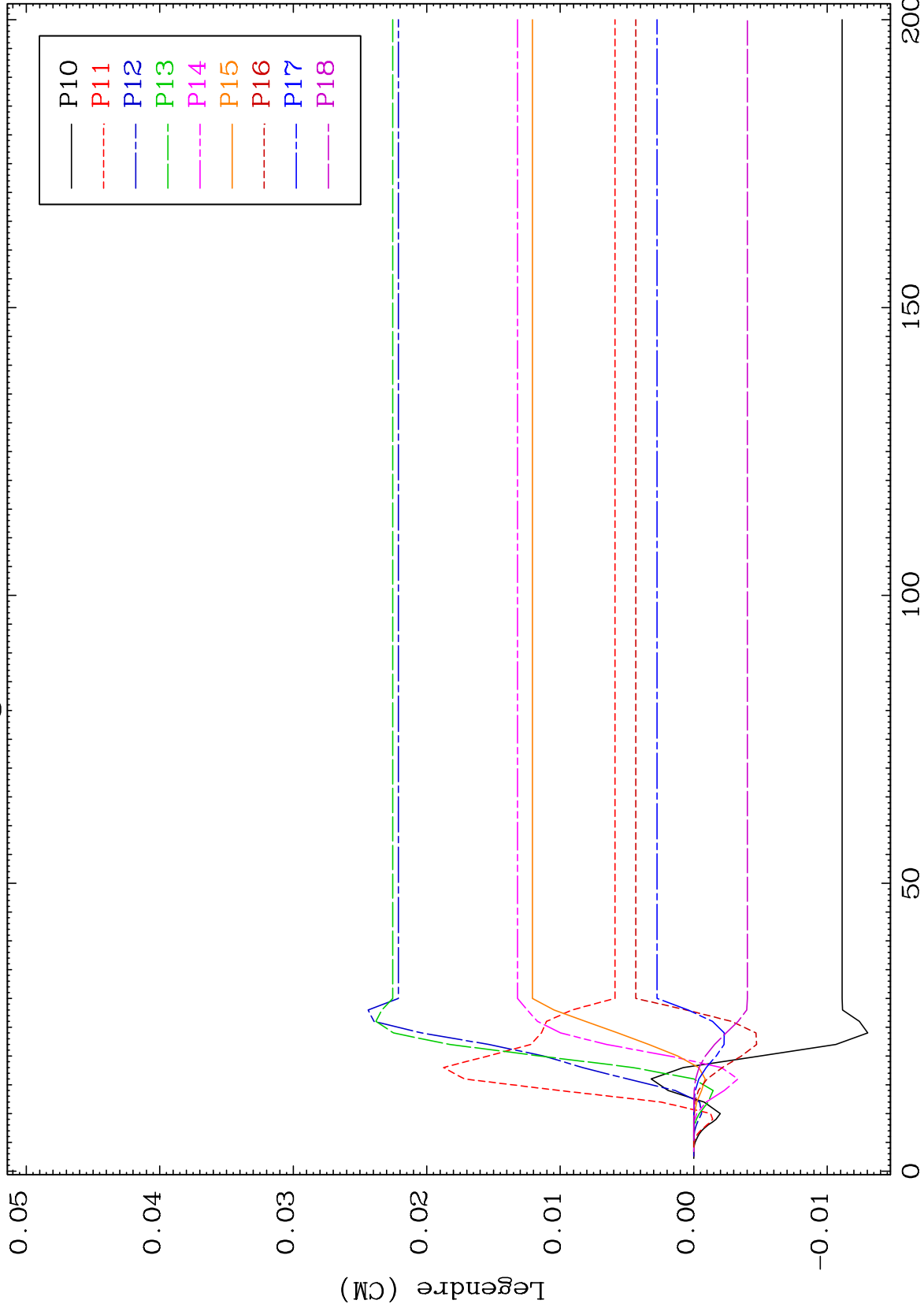
Incident Energy (MeV)

60-Nd-139

MAT 6016

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

60-Nd-139



93

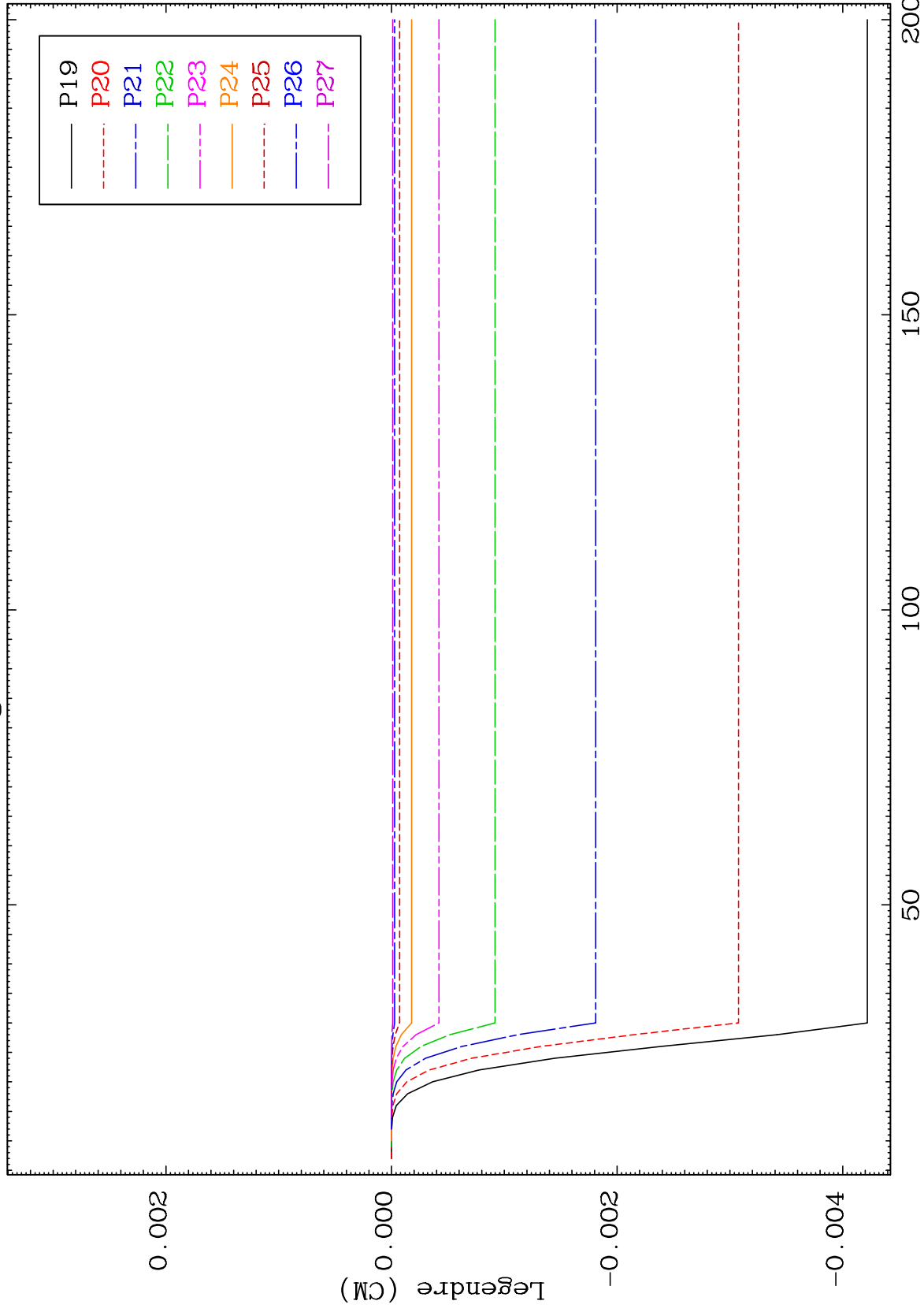
Incident Energy (MeV)

60-Nd-139

MAT 6016

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

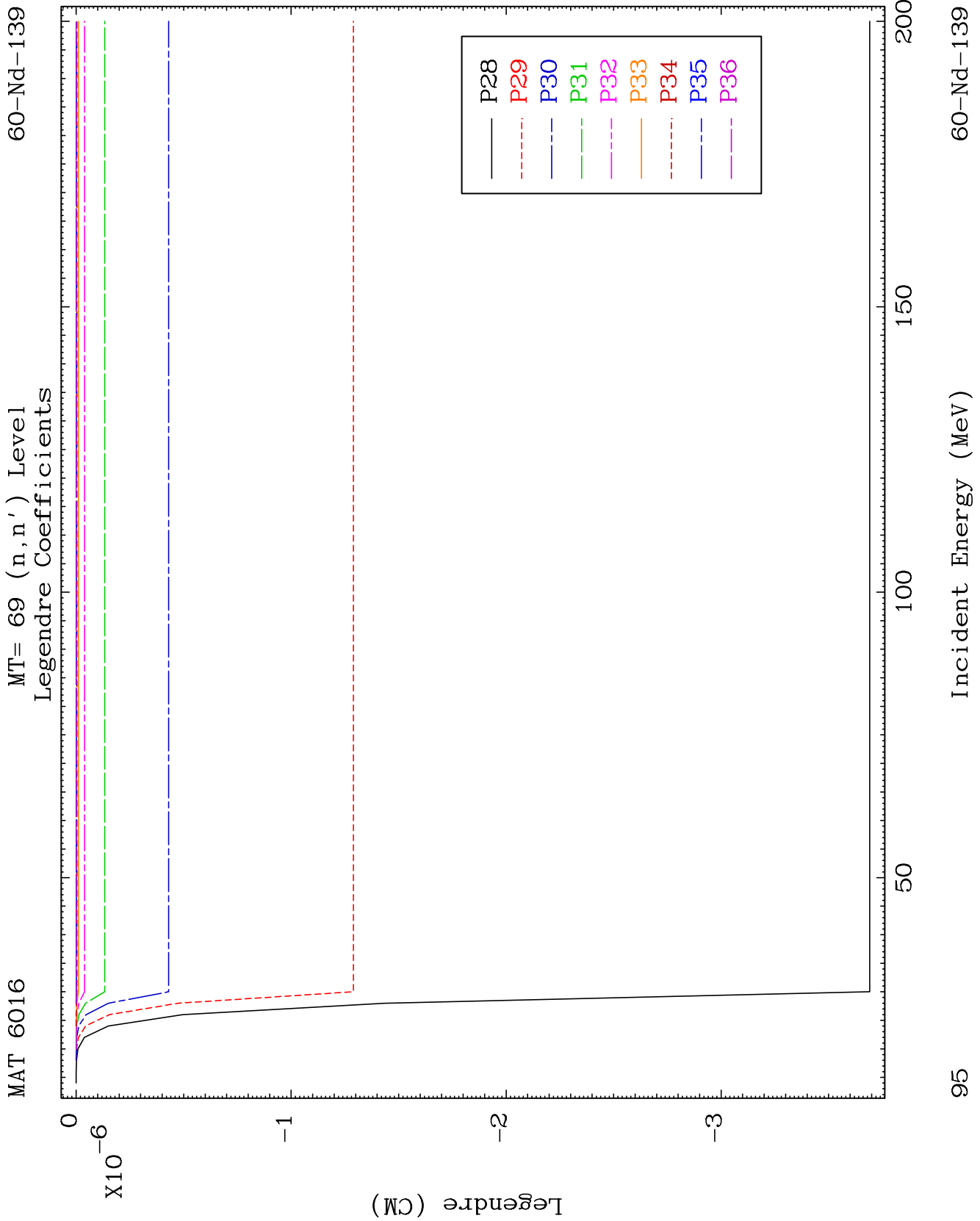
60-Nd-139



94

Incident Energy (MeV)

60-Nd-139

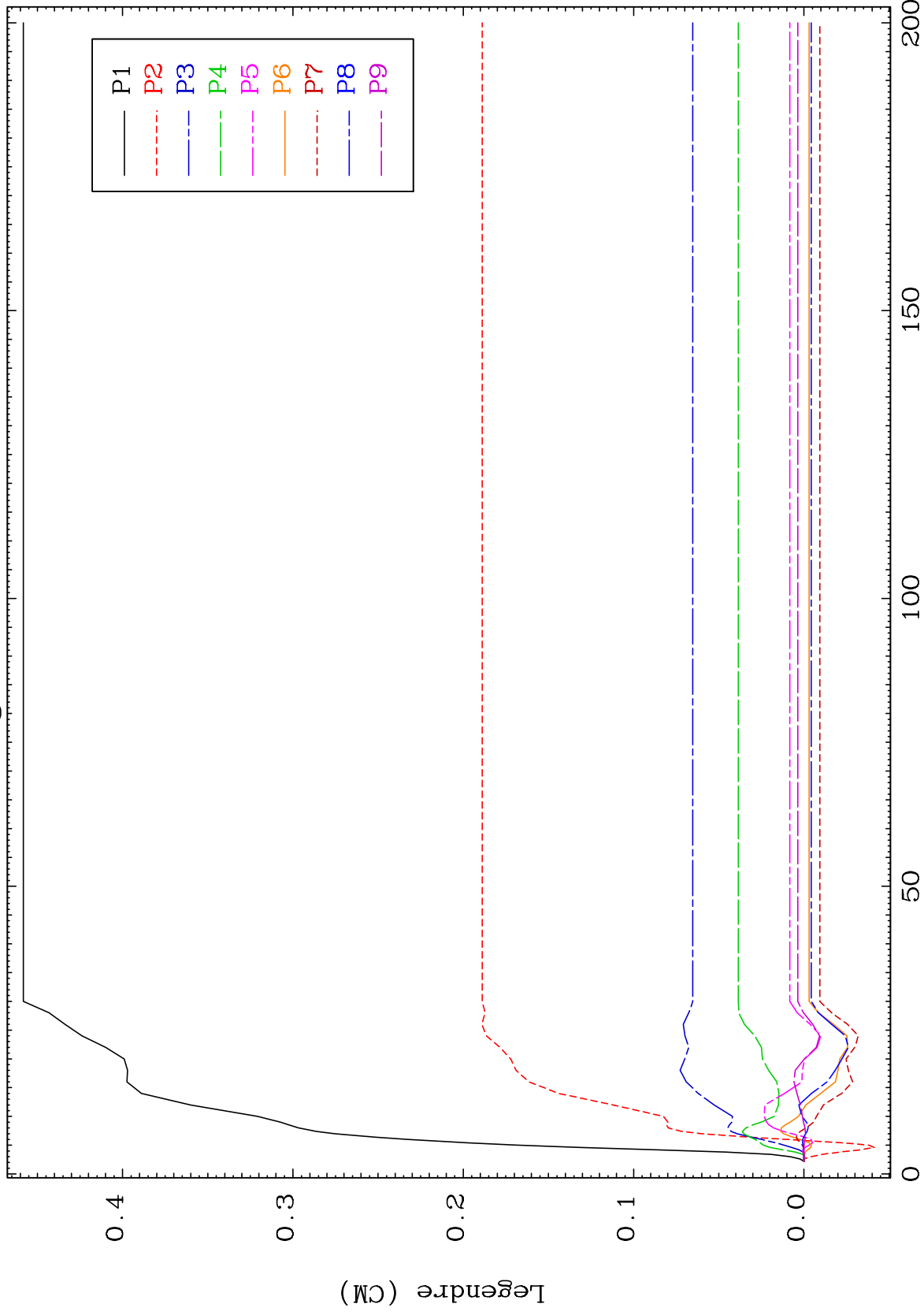




MAT 6016

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

60-Nd-139

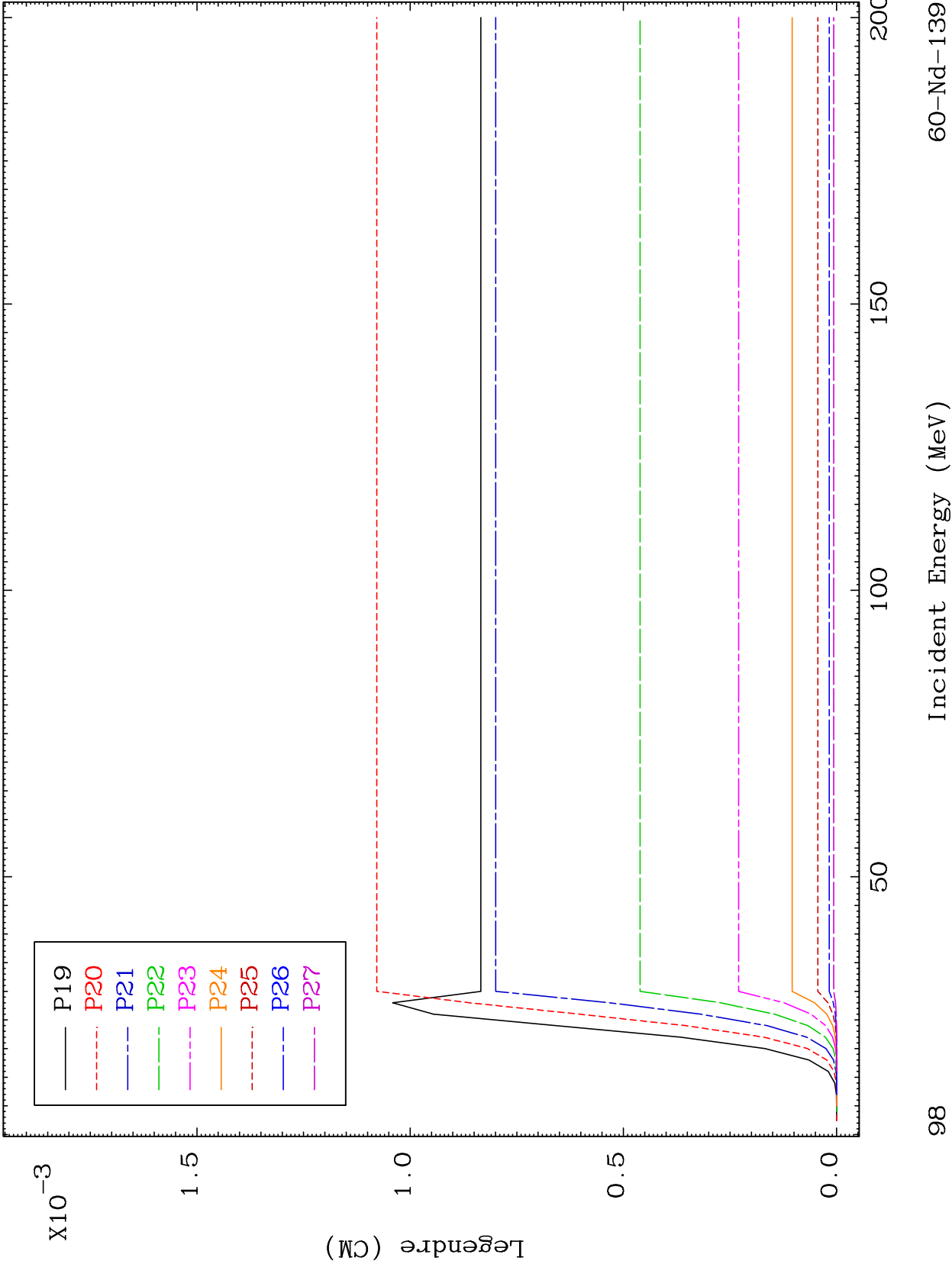


96

Incident Energy (MeV)

60-Nd-139

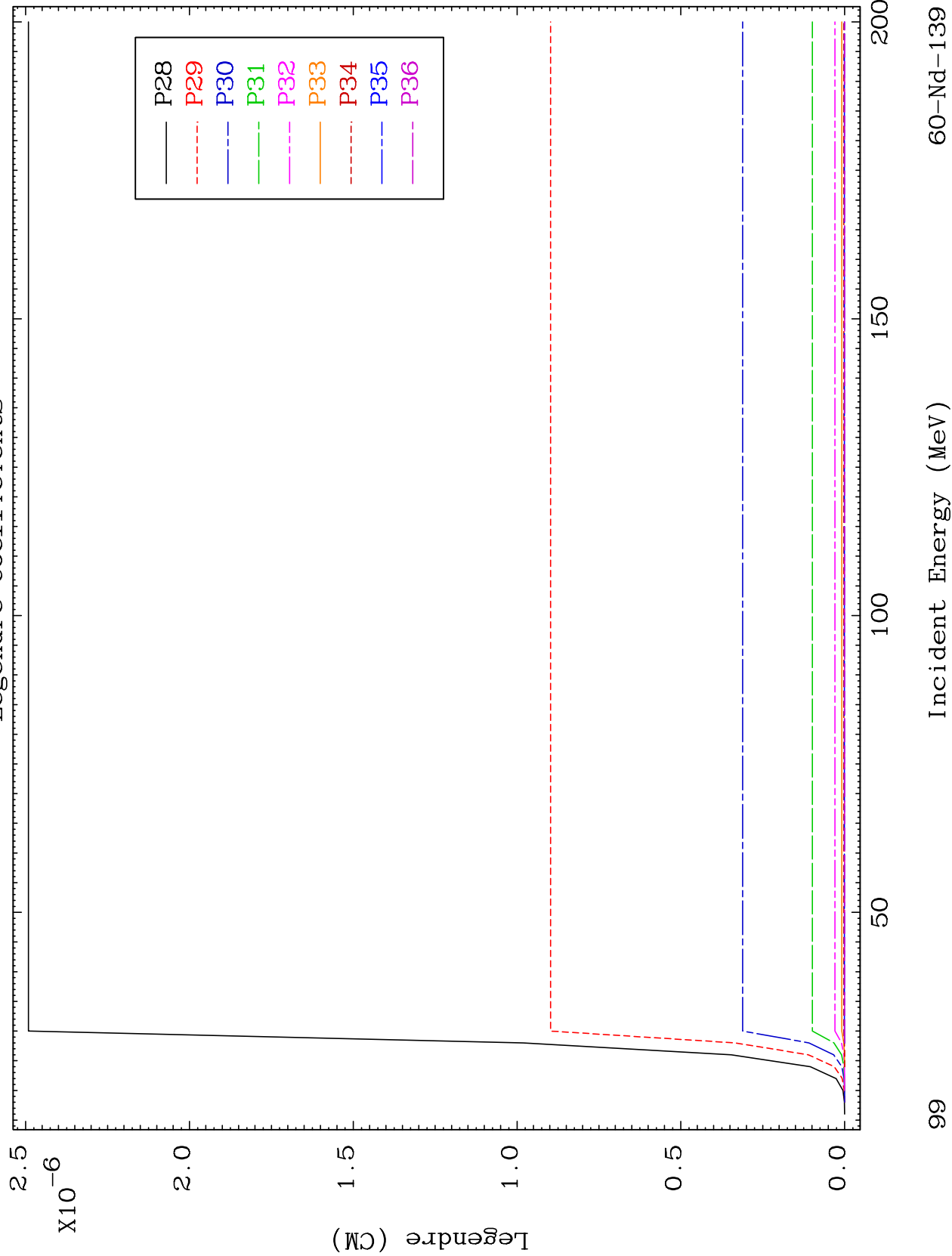




MAT 6016

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

60-Nd-139



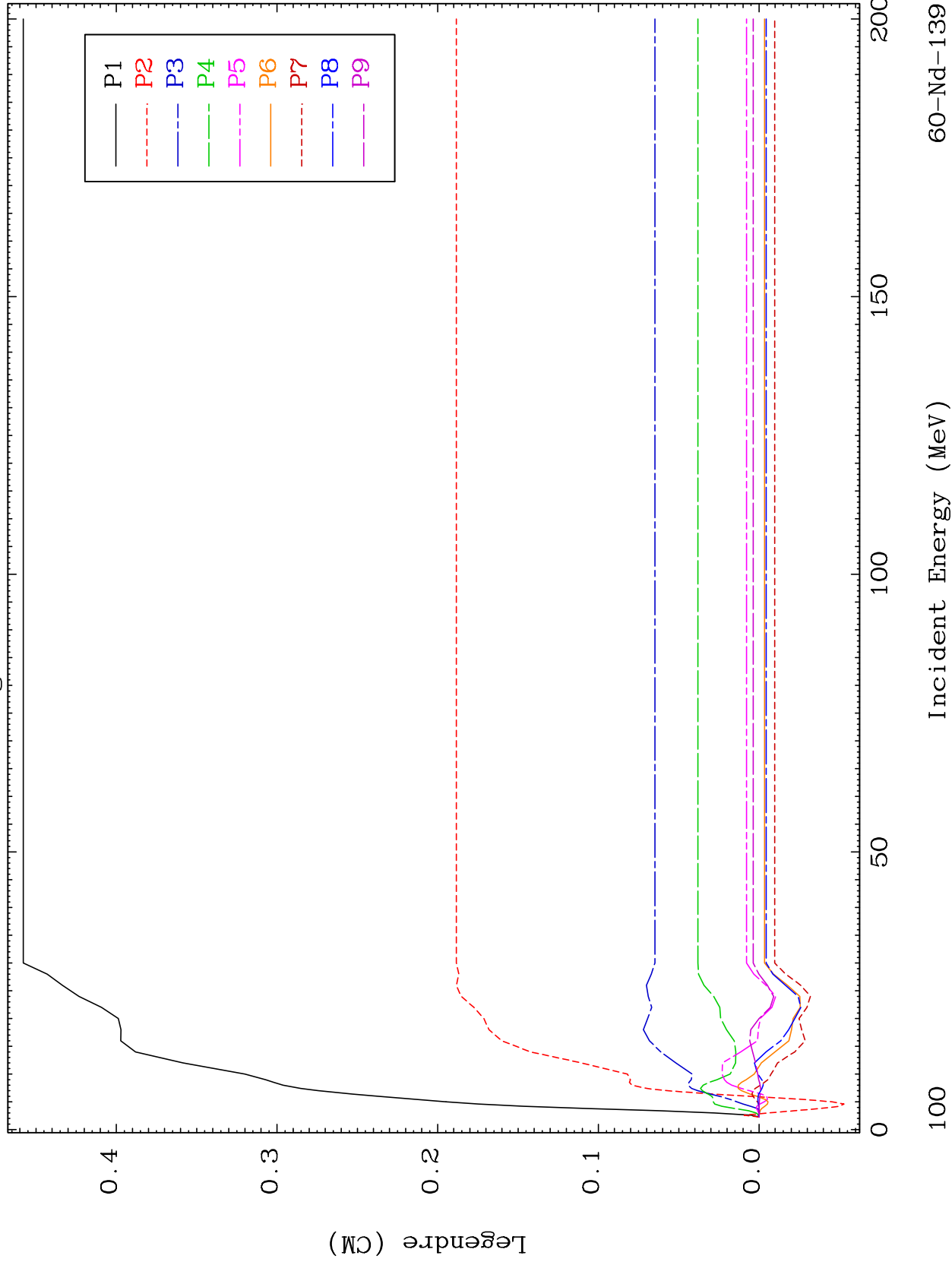
99

60-Nd-139

MAT 6016

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

60-Nd-139

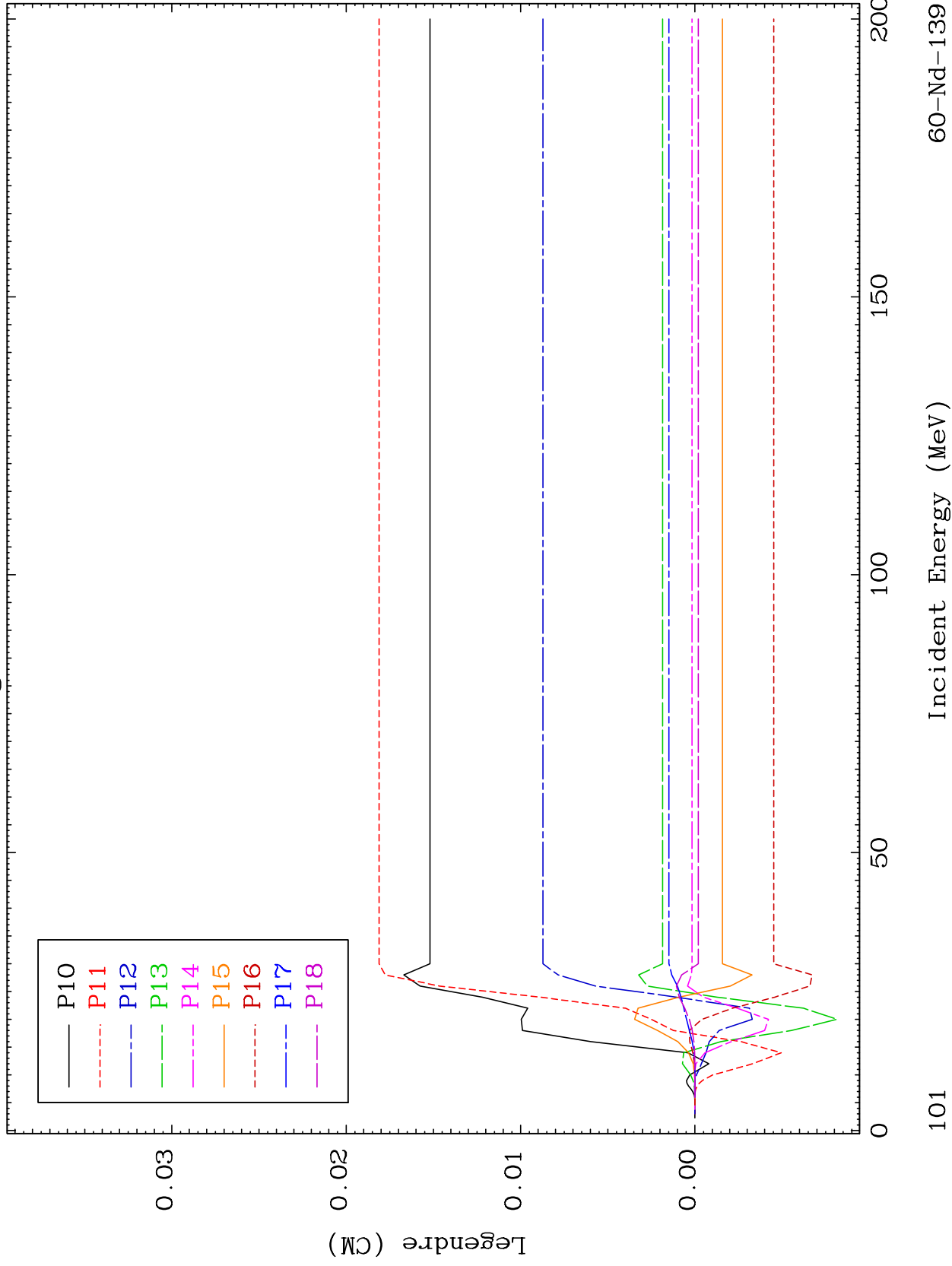


60-Nd-139

MAT 6016

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

60-Nd-139

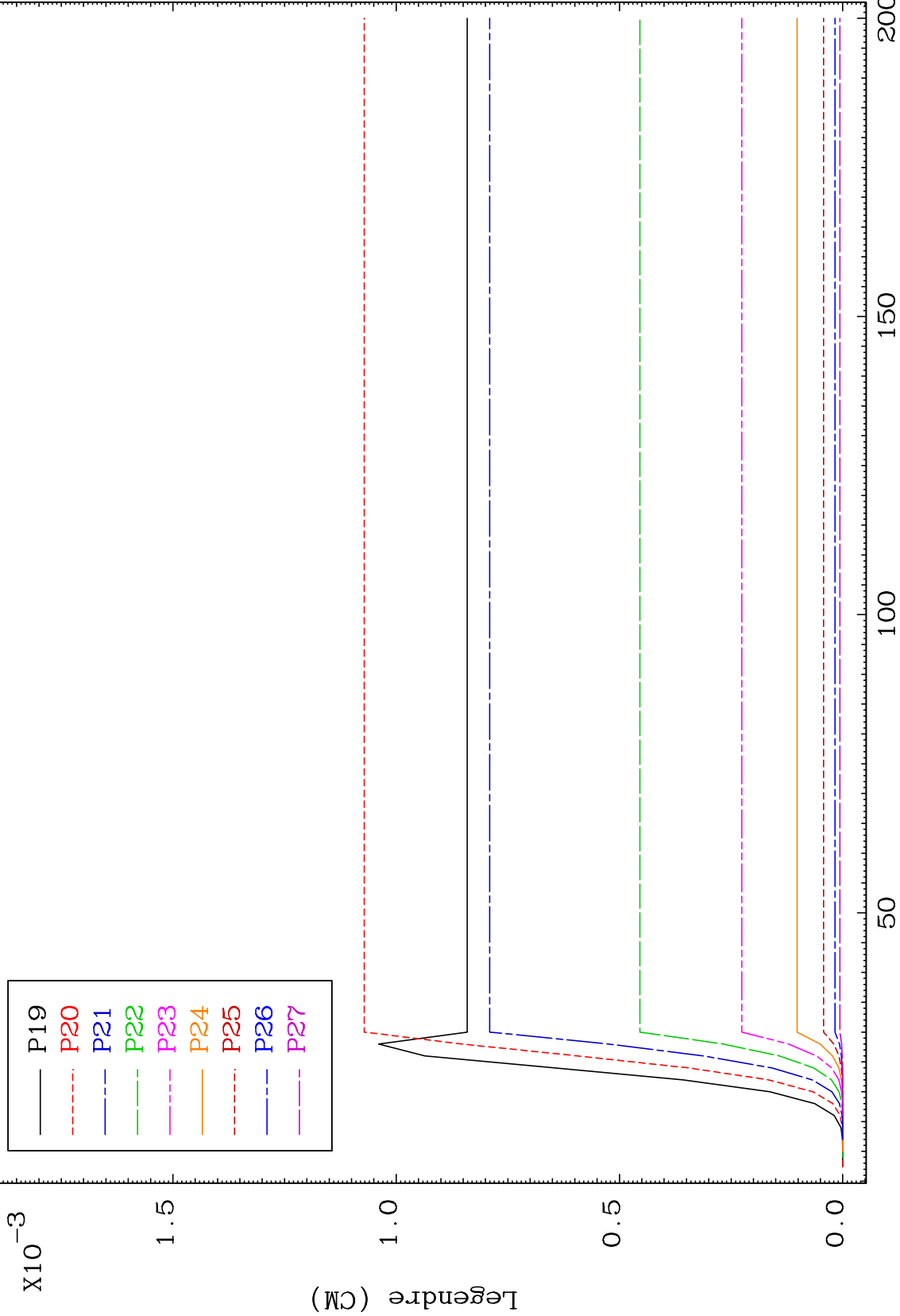
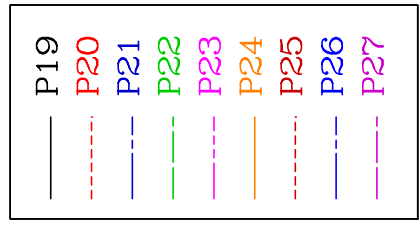


101

MAT 6016

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

60-Nd-139



102

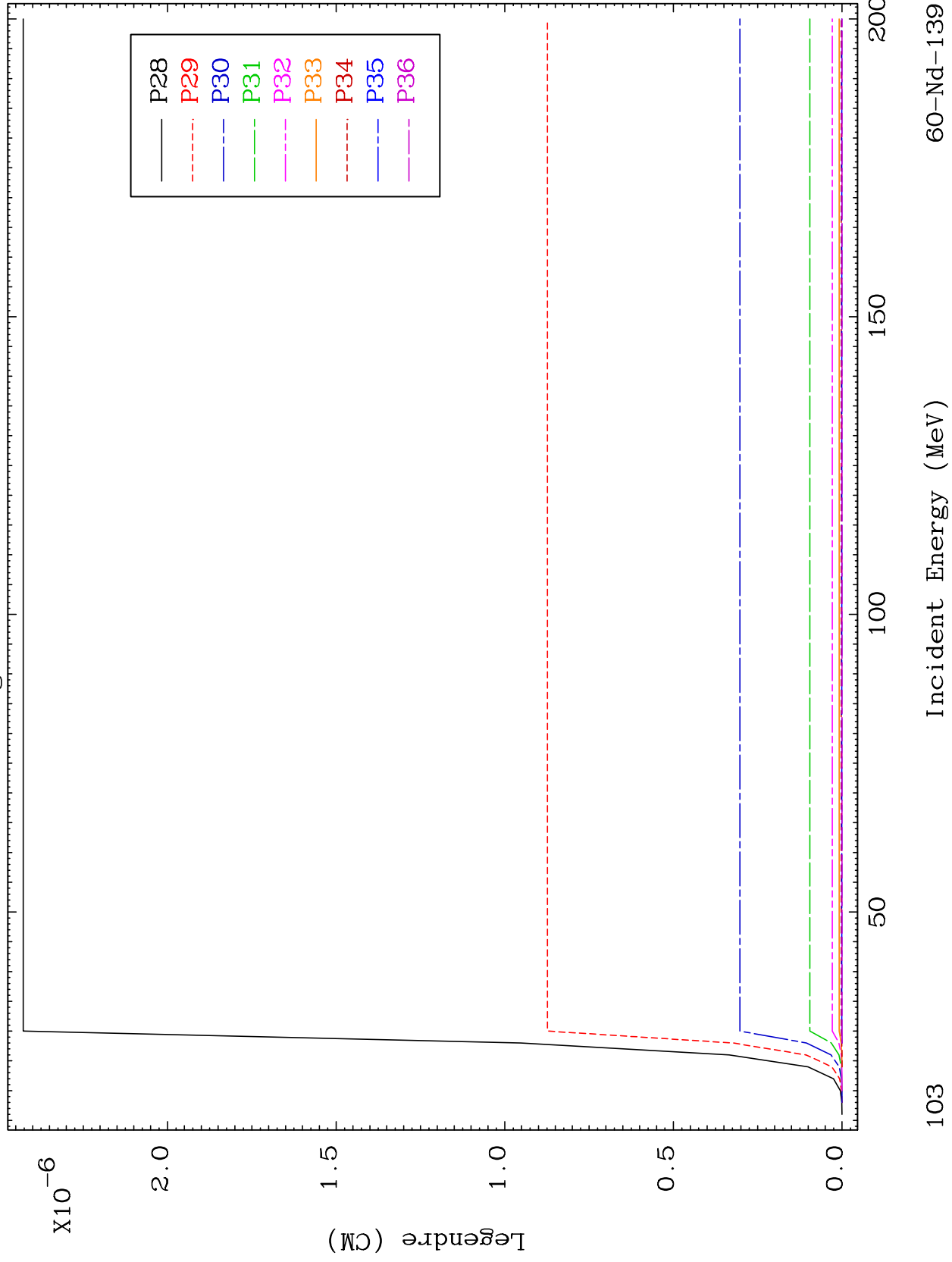
Incident Energy (MeV)

60-Nd-139

MAT 6016

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

60-Nd-139



103

Incident Energy (MeV)

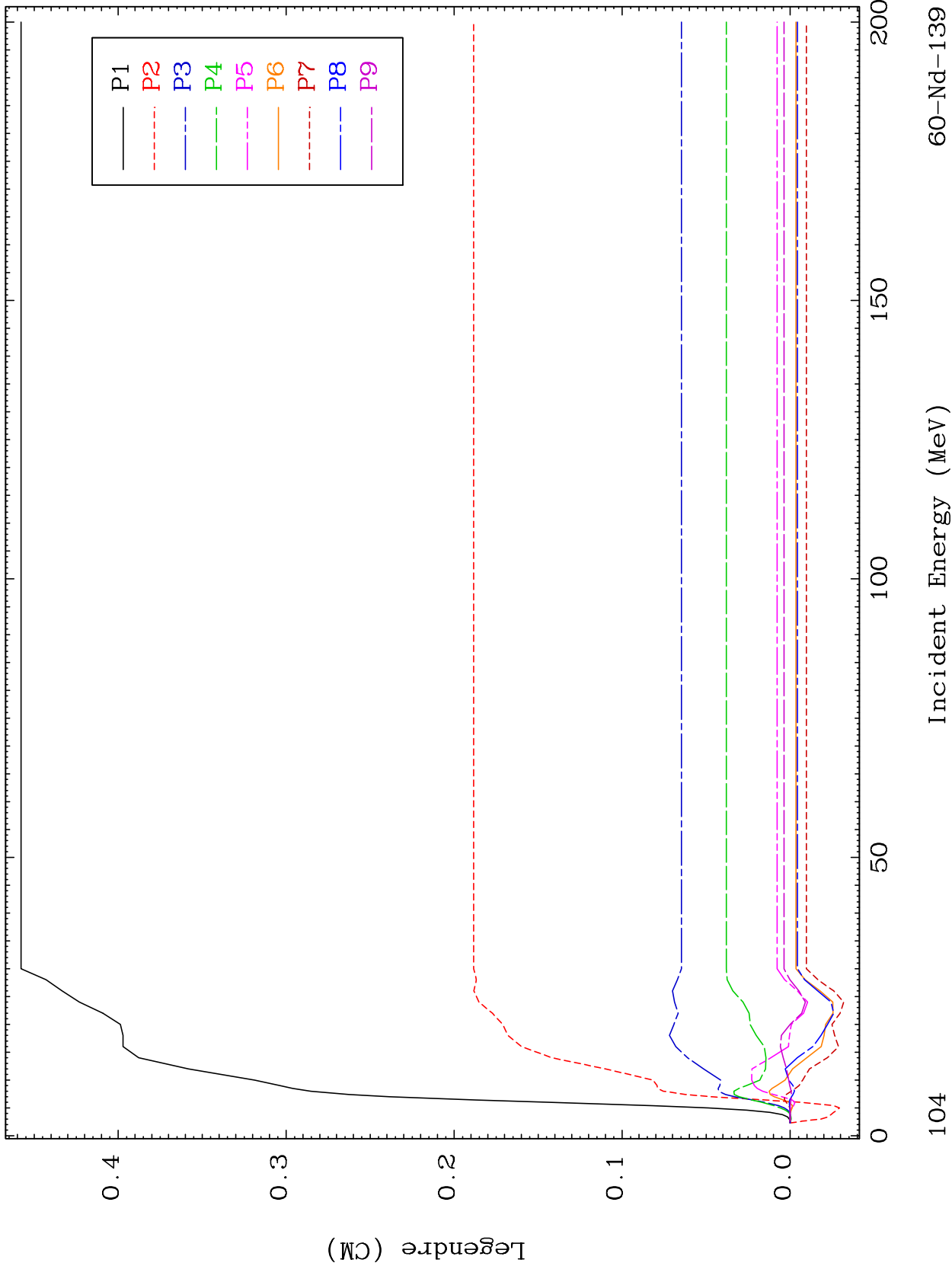
60-Nd-139



MAT 6016

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

60-Nd-139



60-Nd-139

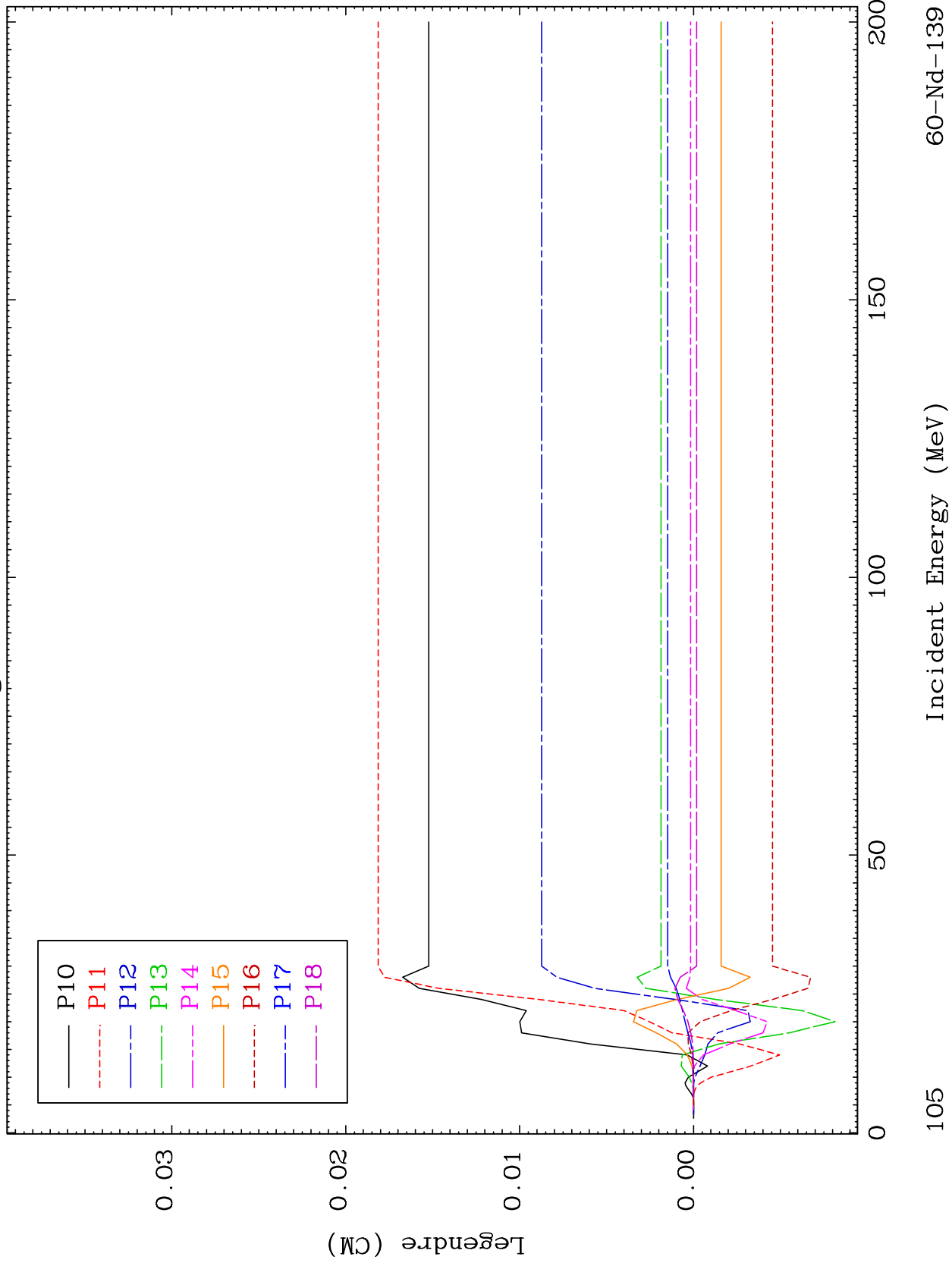
Incident Energy (MeV)

104

MAT 6016

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

60-Nd-139



60-Nd-139

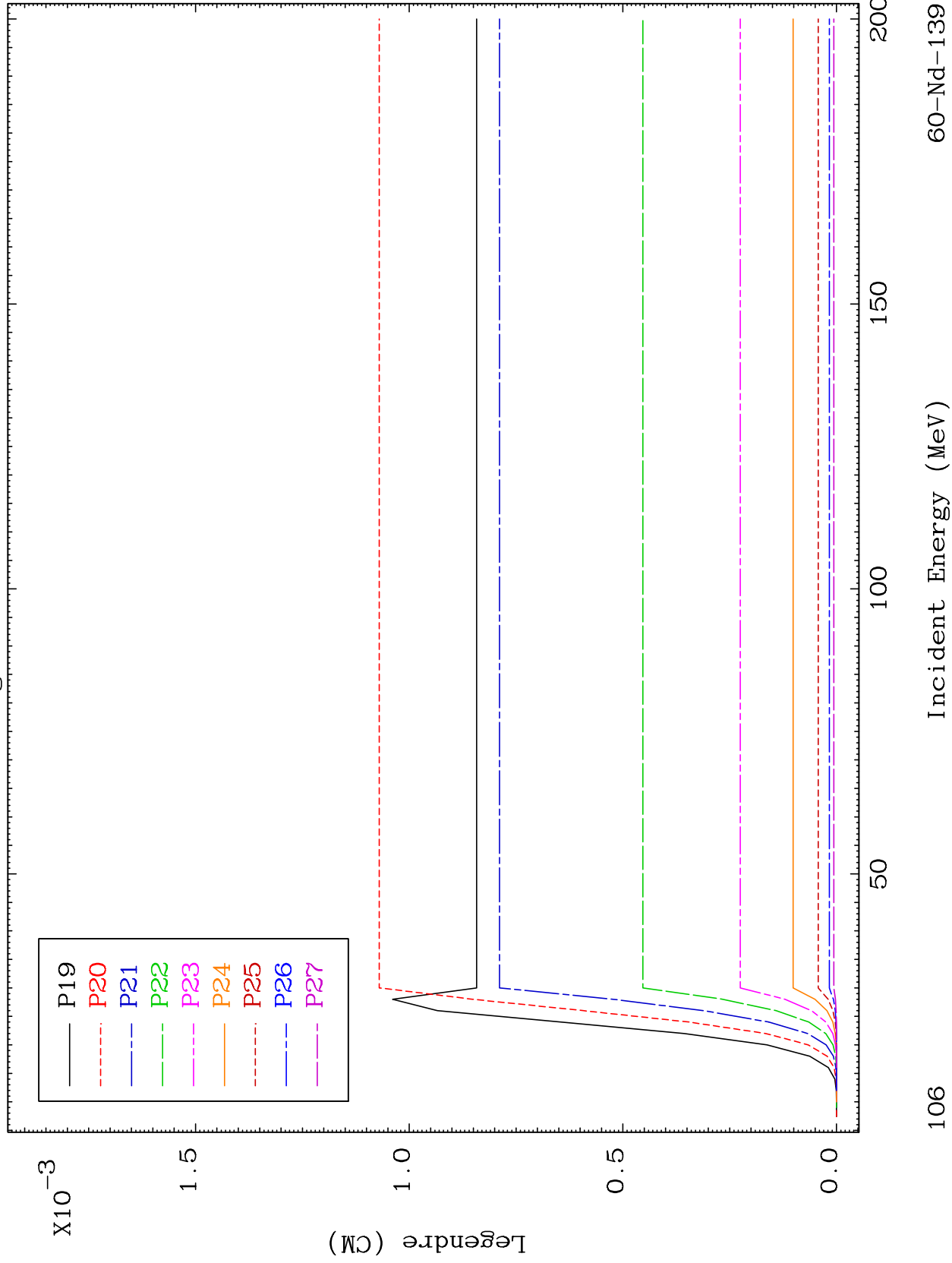
Incident Energy (MeV)

105

MAT 6016

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

60-Nd-139

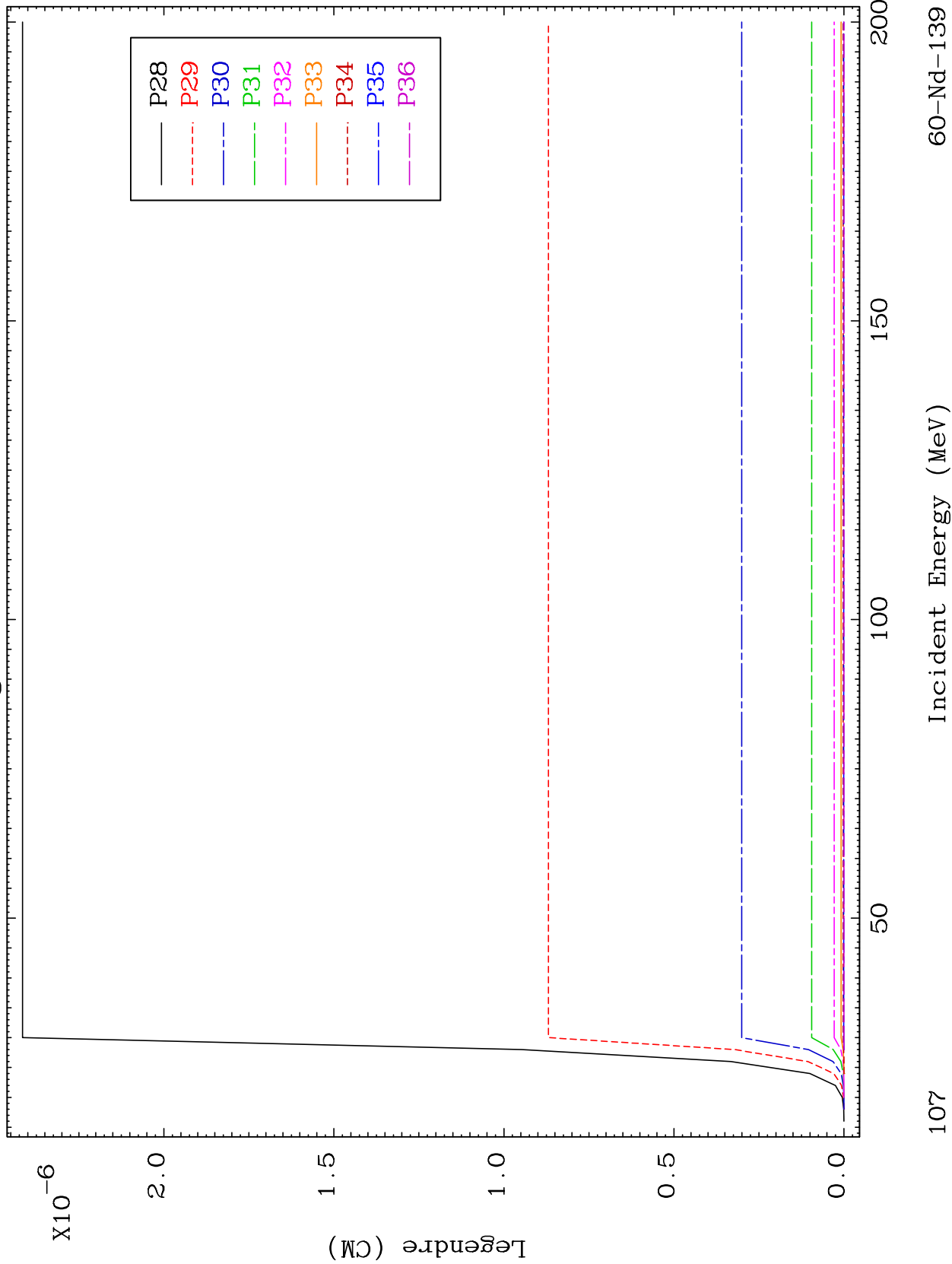


106

MAT 6016

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

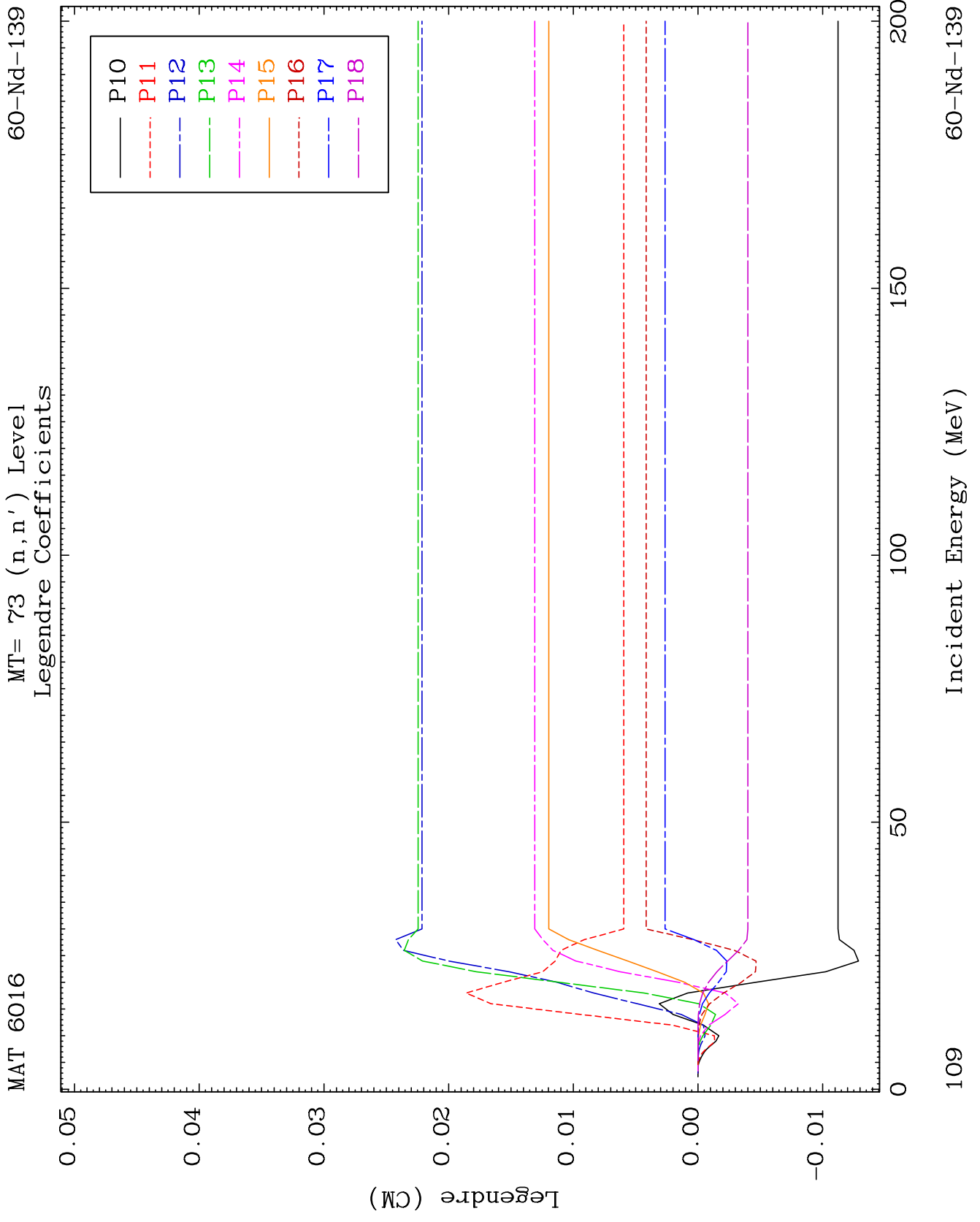
60-Nd-139



107

60-Nd-139

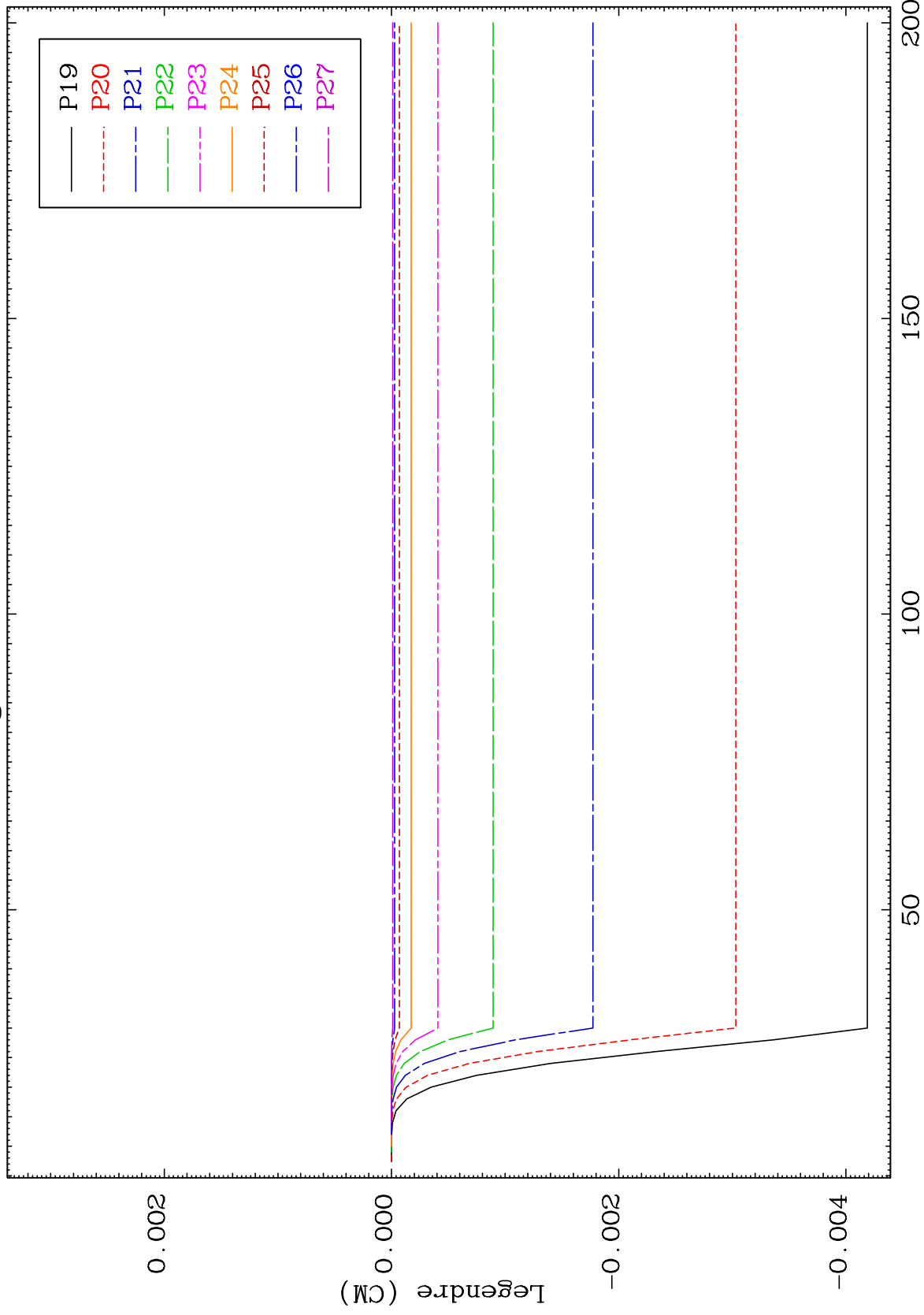




MAT 6016

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

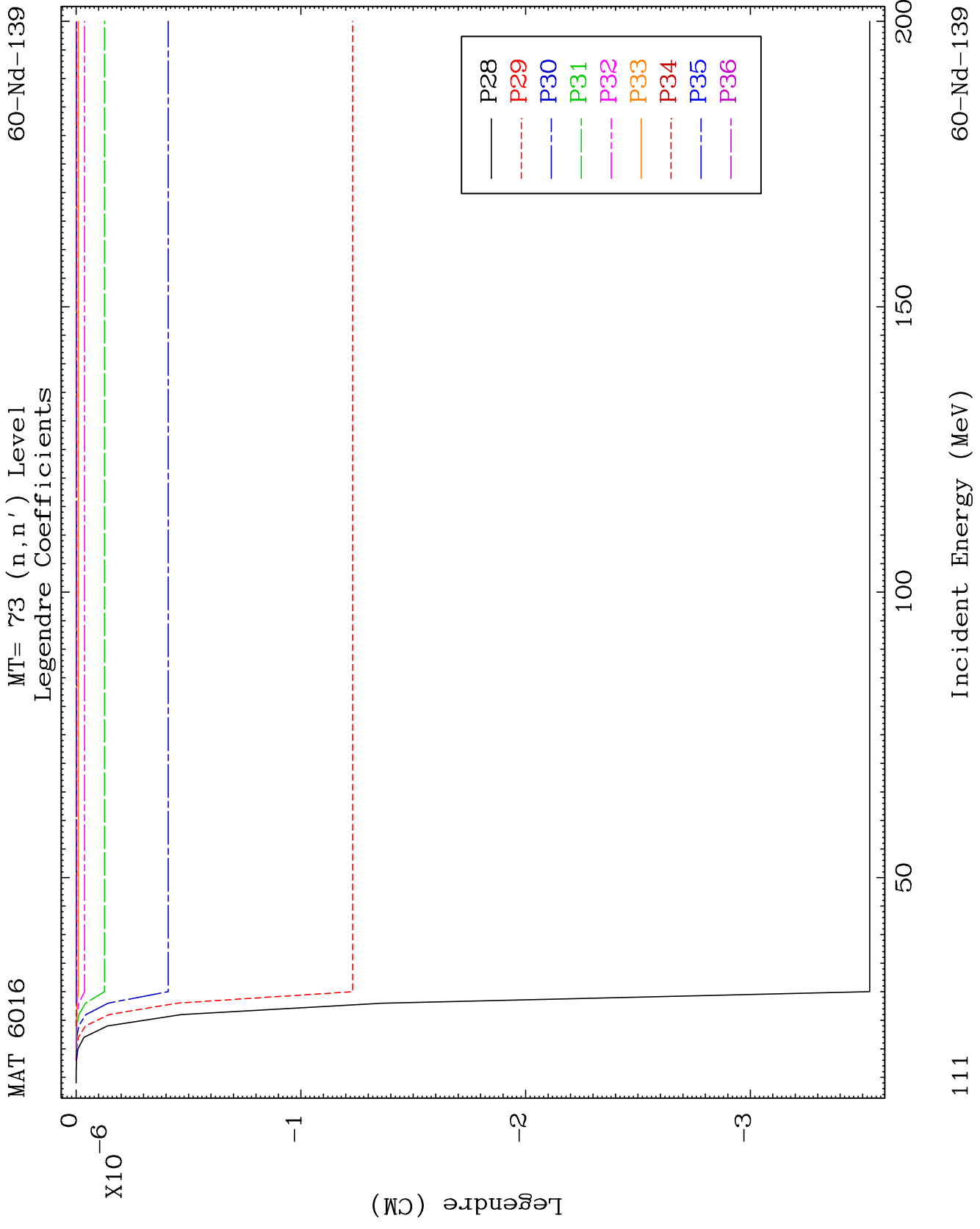
60-Nd-139



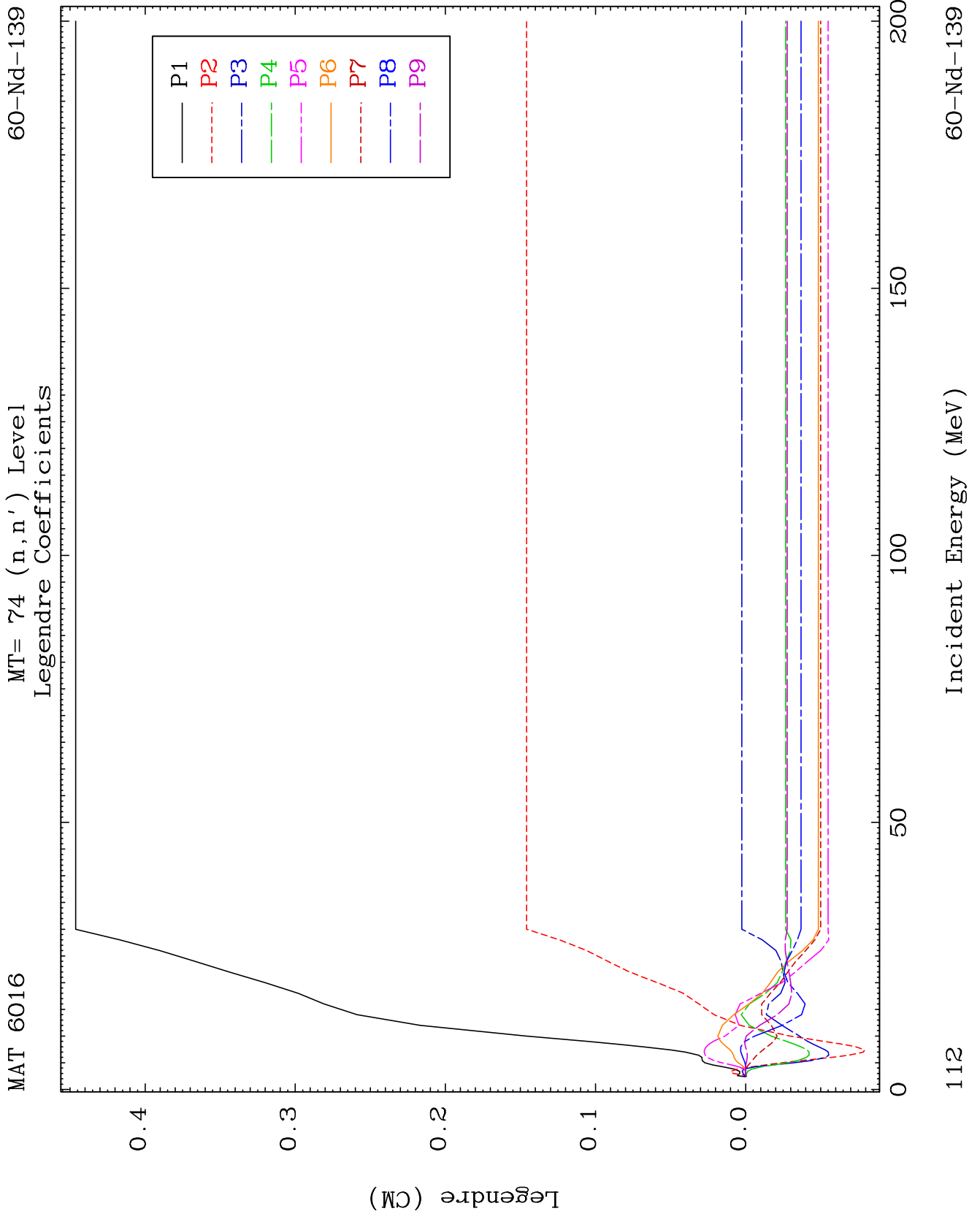
110

Incident Energy (MeV)

60-Nd-139





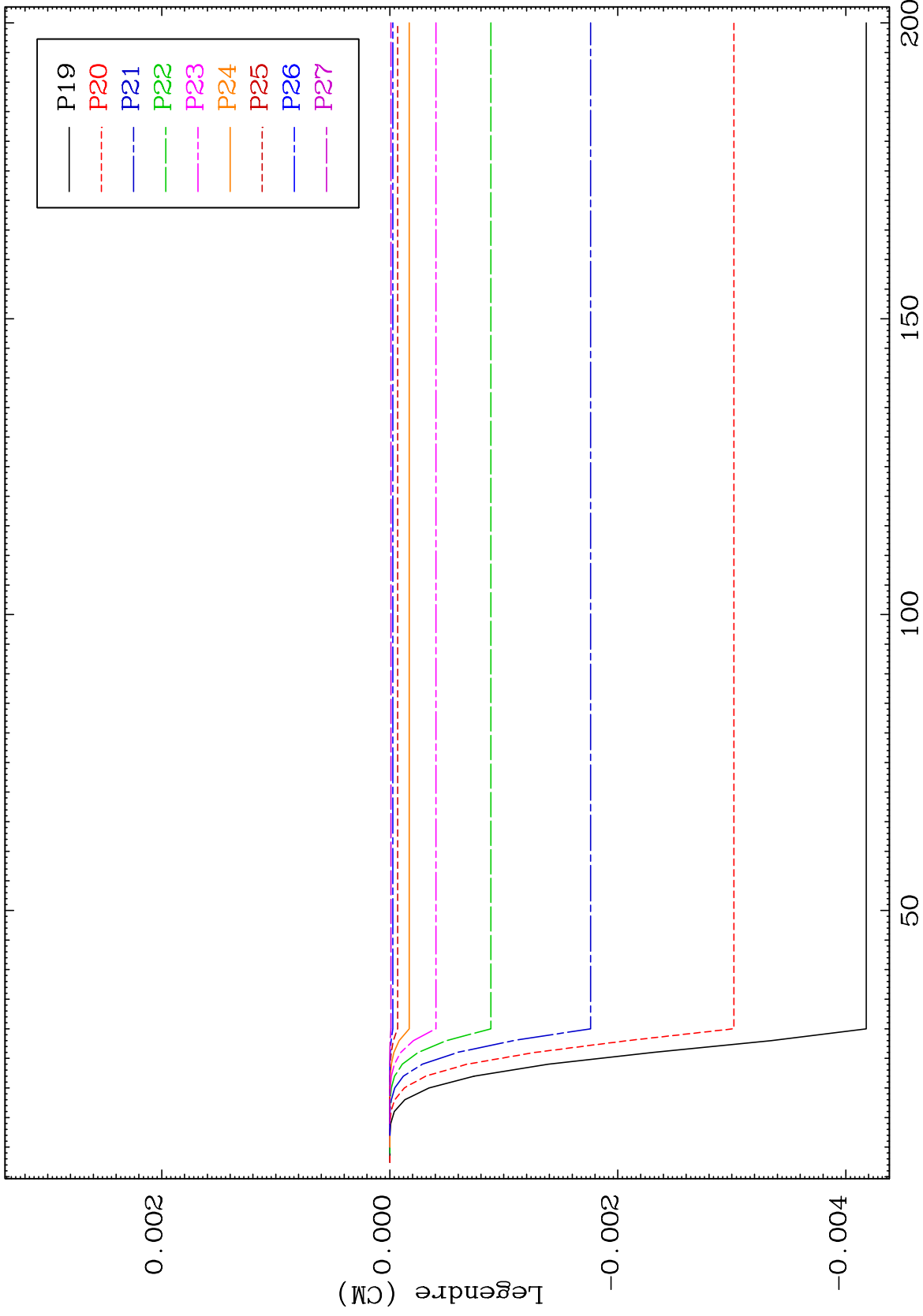




MAT 6016

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

60-Nd-139

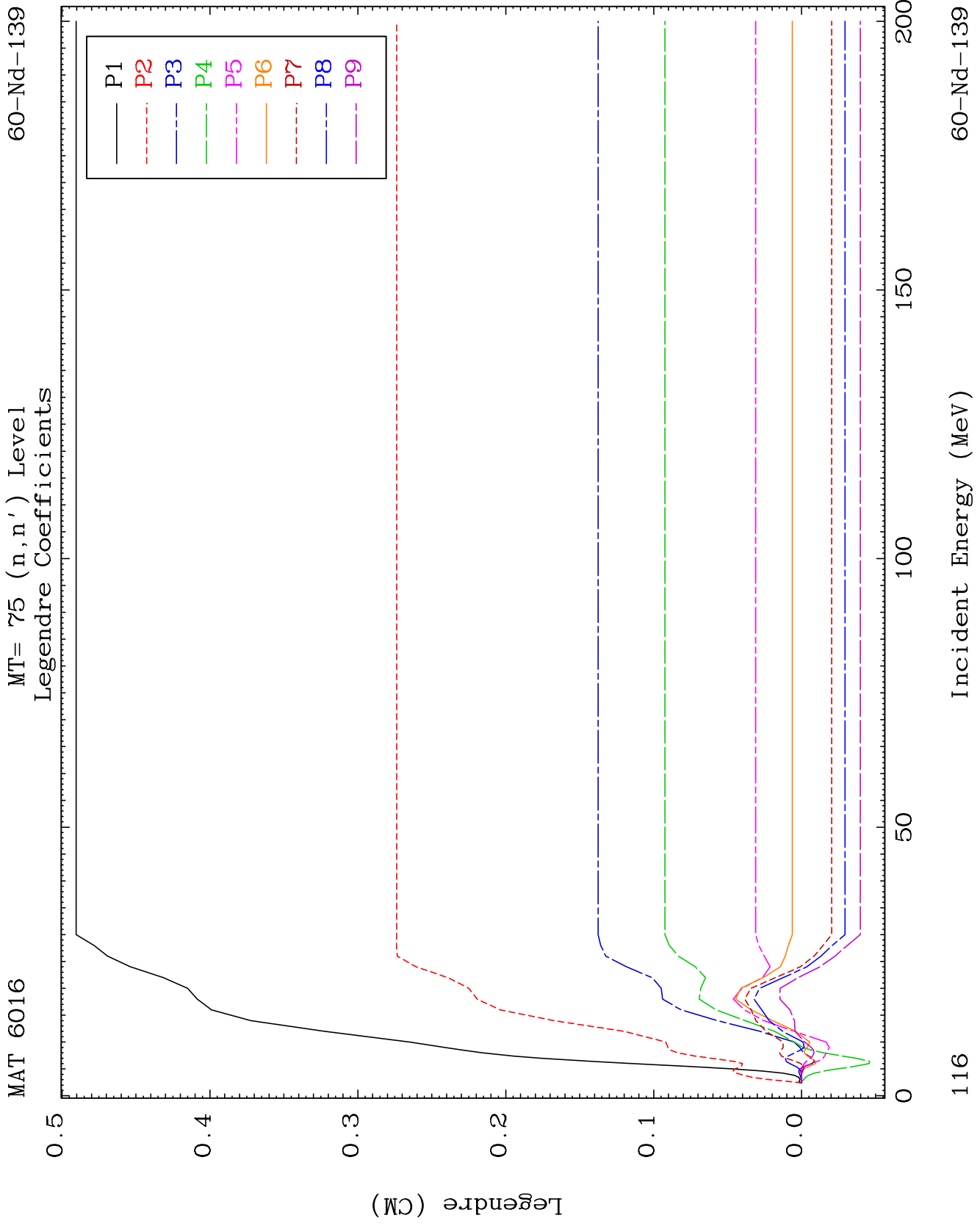


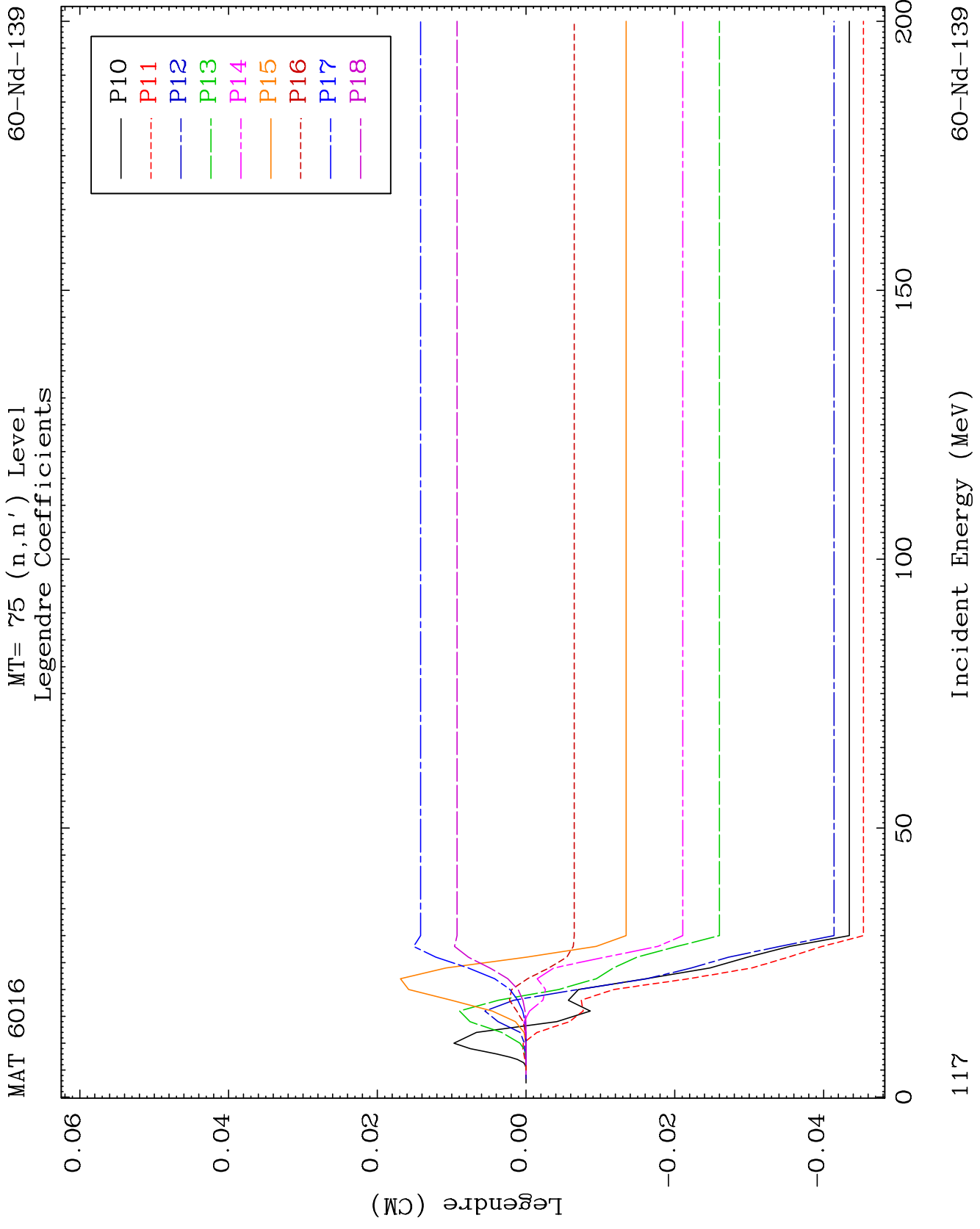
114

Incident Energy (MeV)

60-Nd-139



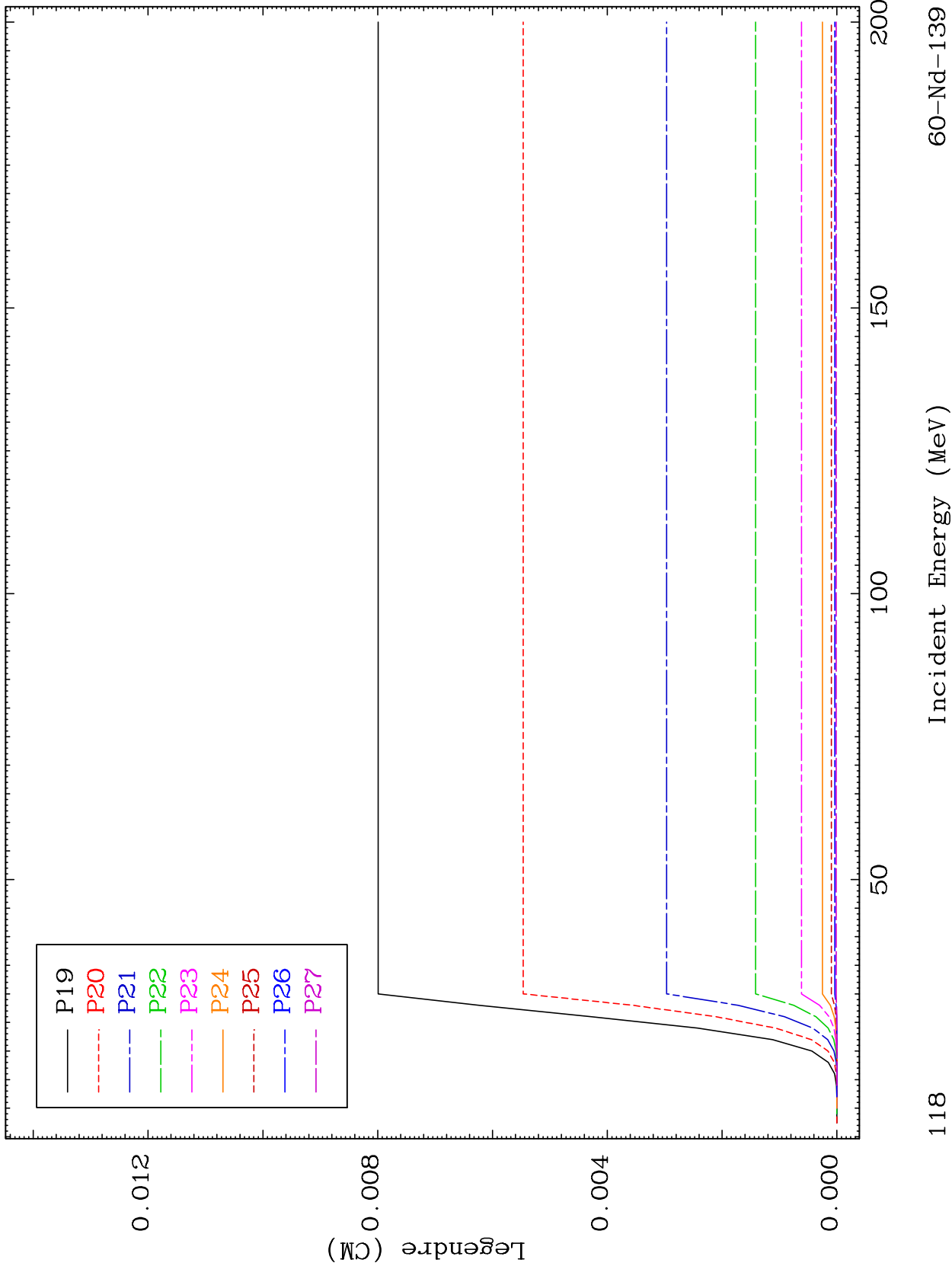




MAT 6016

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

60-Nd-139



118

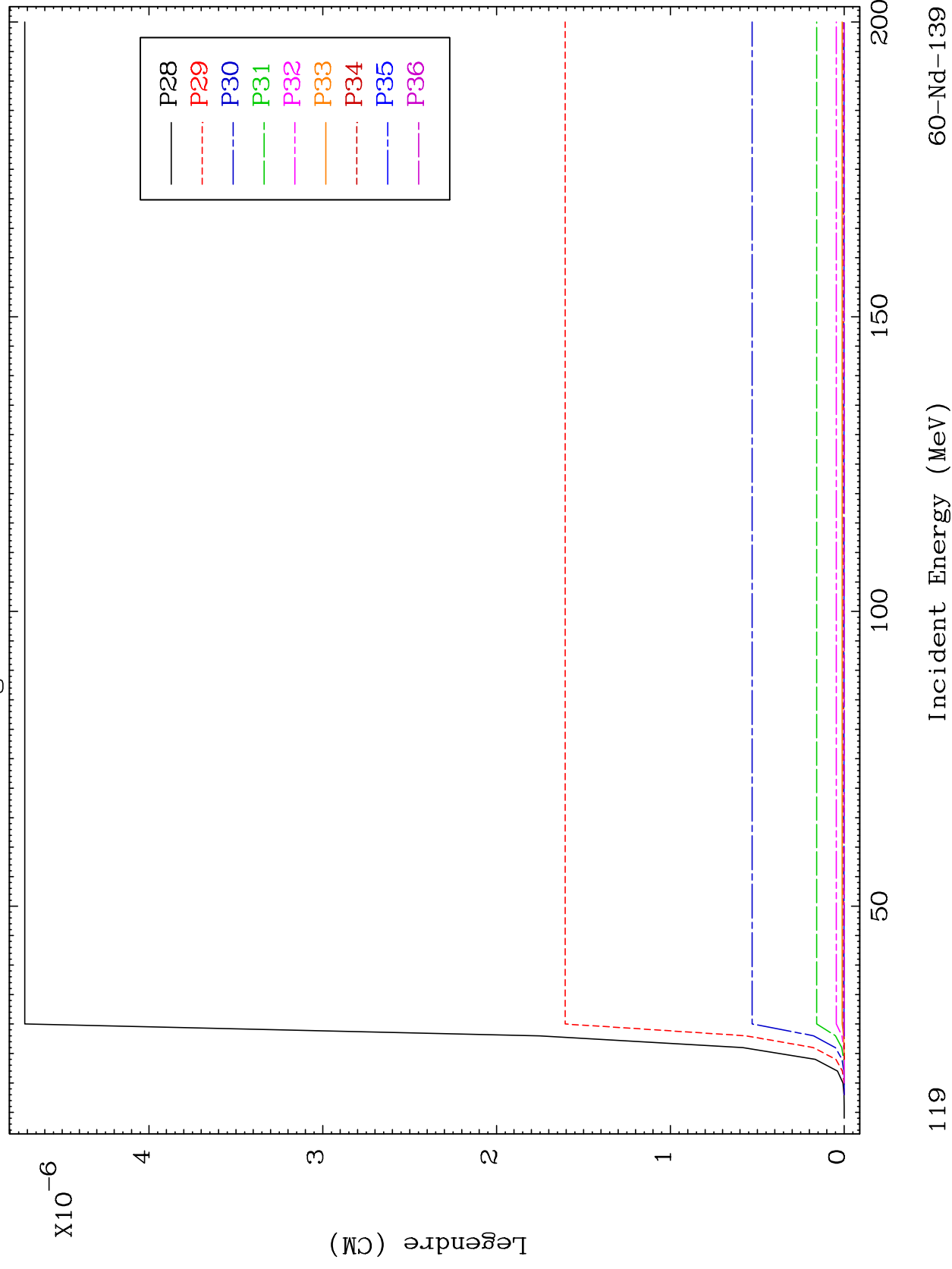
Incident Energy (MeV)

60-Nd-139

MAT 6016

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

60-Nd-139



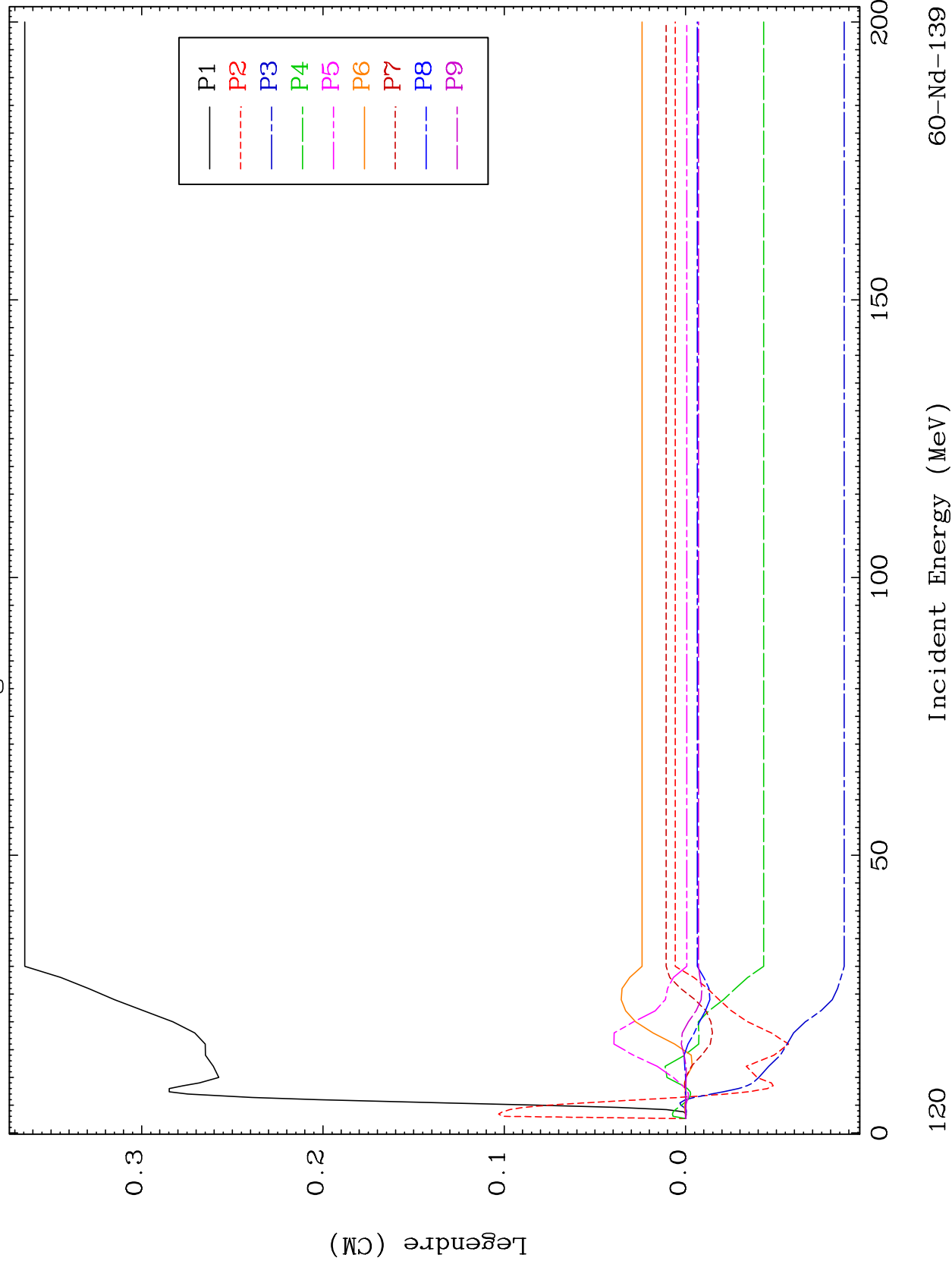
119



MAT 6016

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

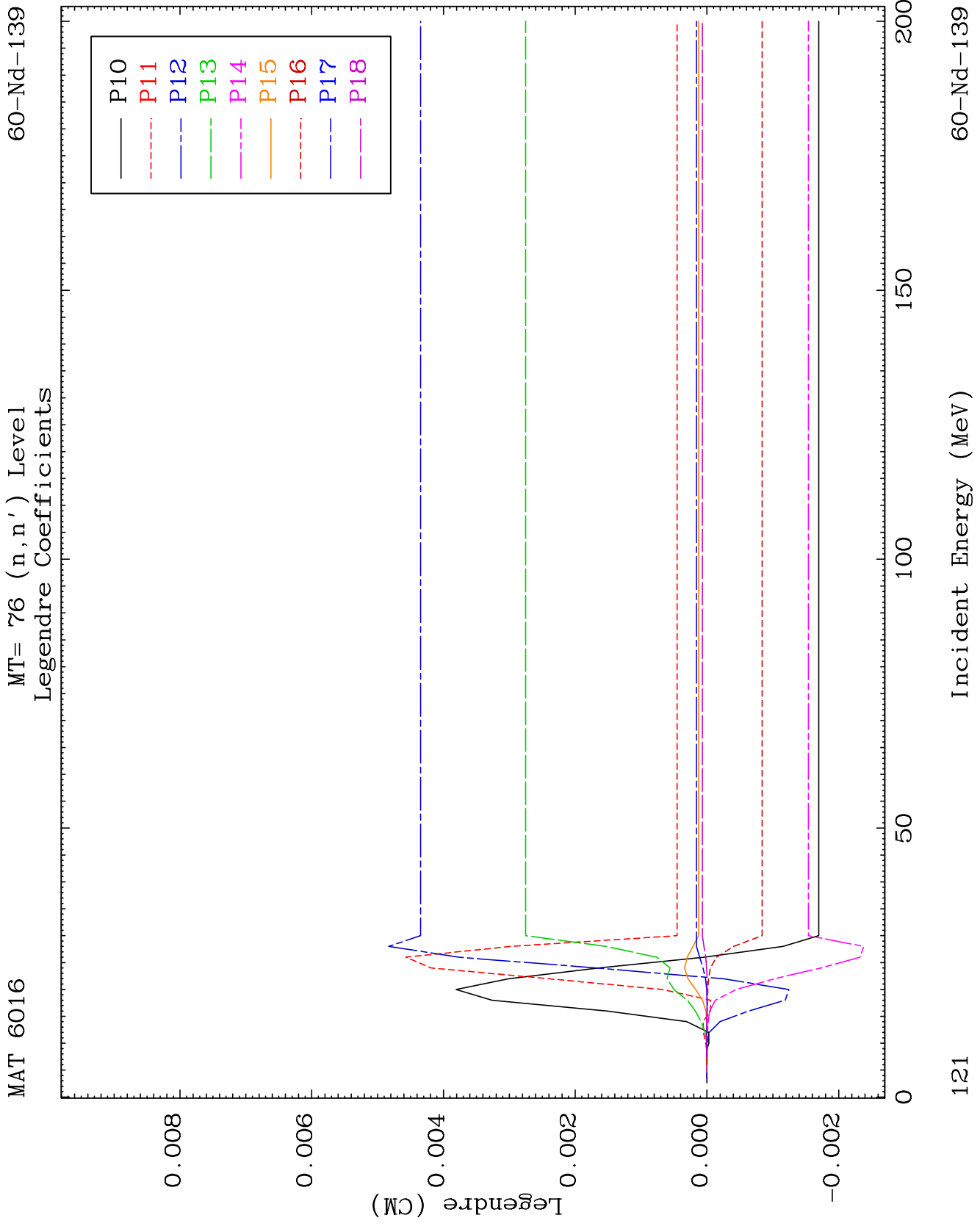
60-Nd-139



60-Nd-139

Incident Energy (MeV)

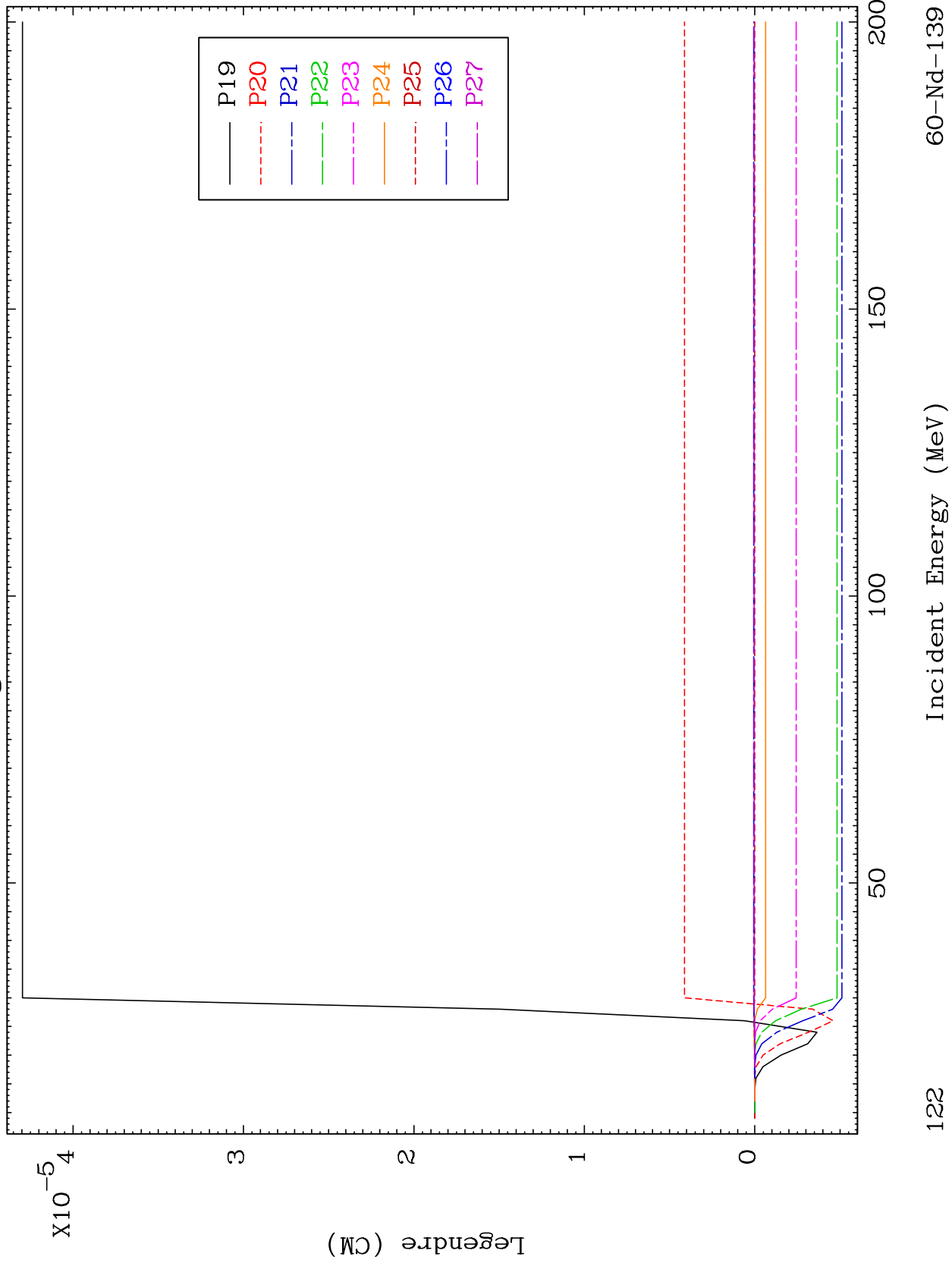
120



MAT 6016

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

60-Nd-139

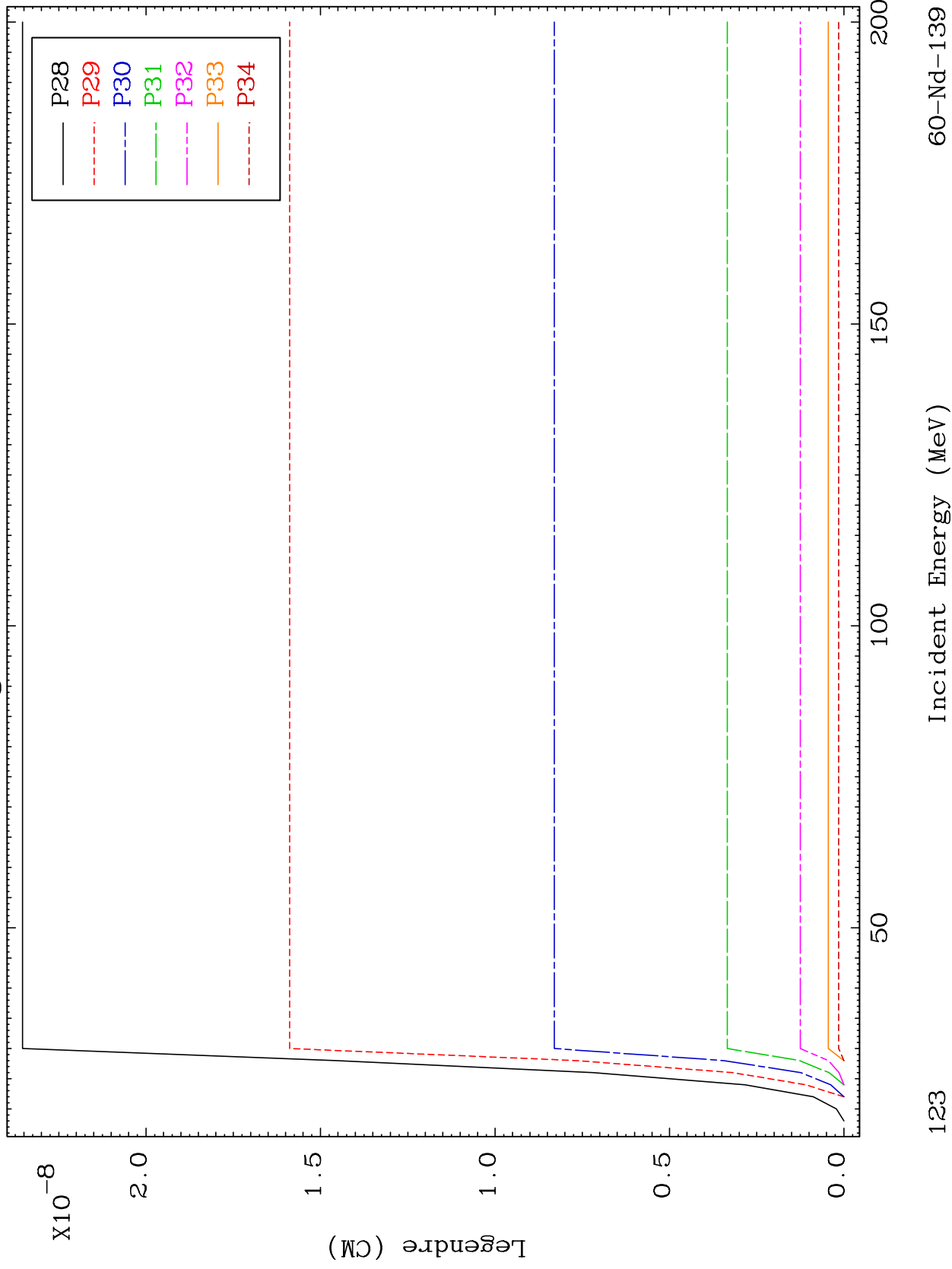


122

MAT 6016

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

60-Nd-139



123

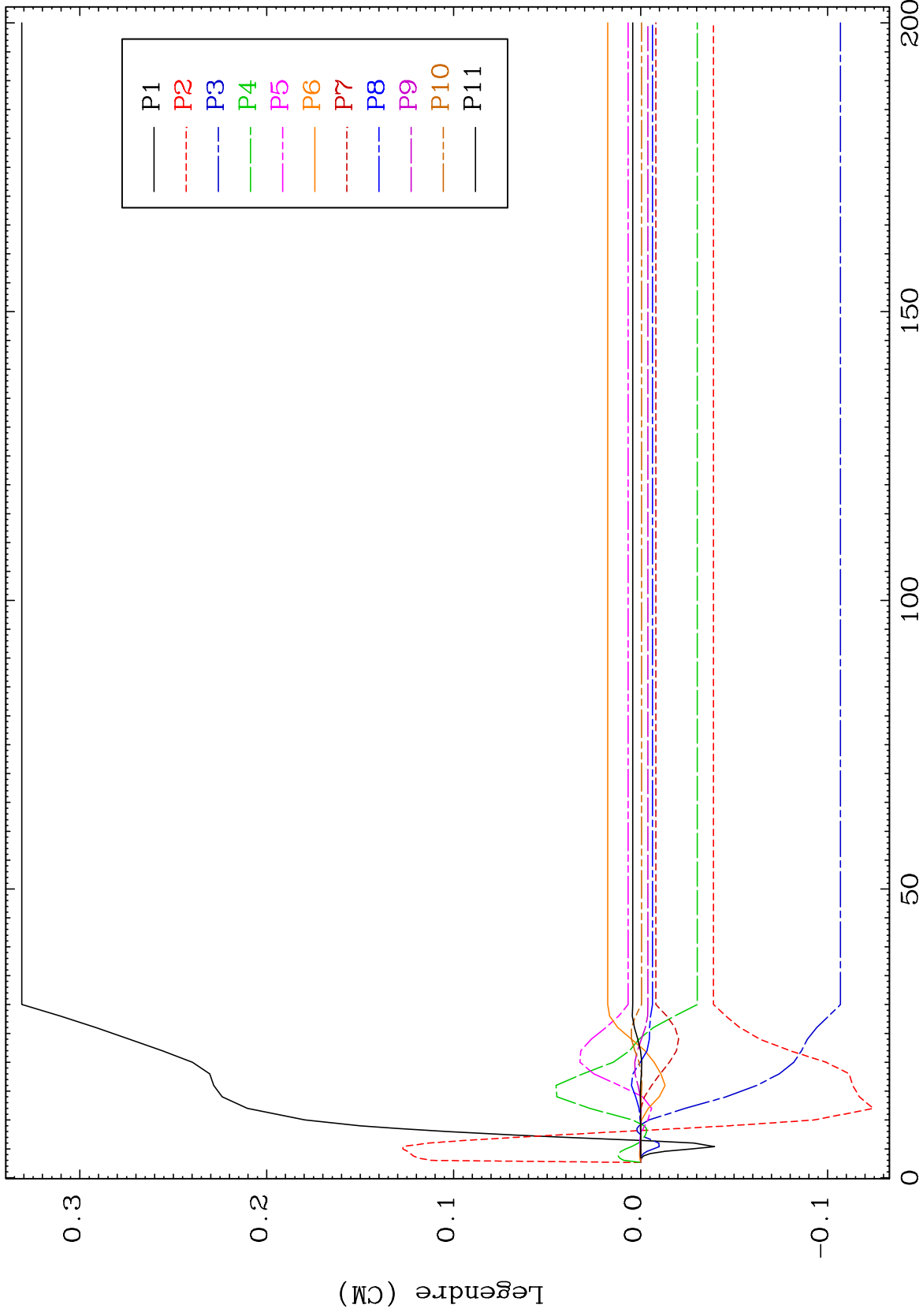
Incident Energy (MeV)

60-Nd-139

MAT 6016

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

60-Nd-139



124

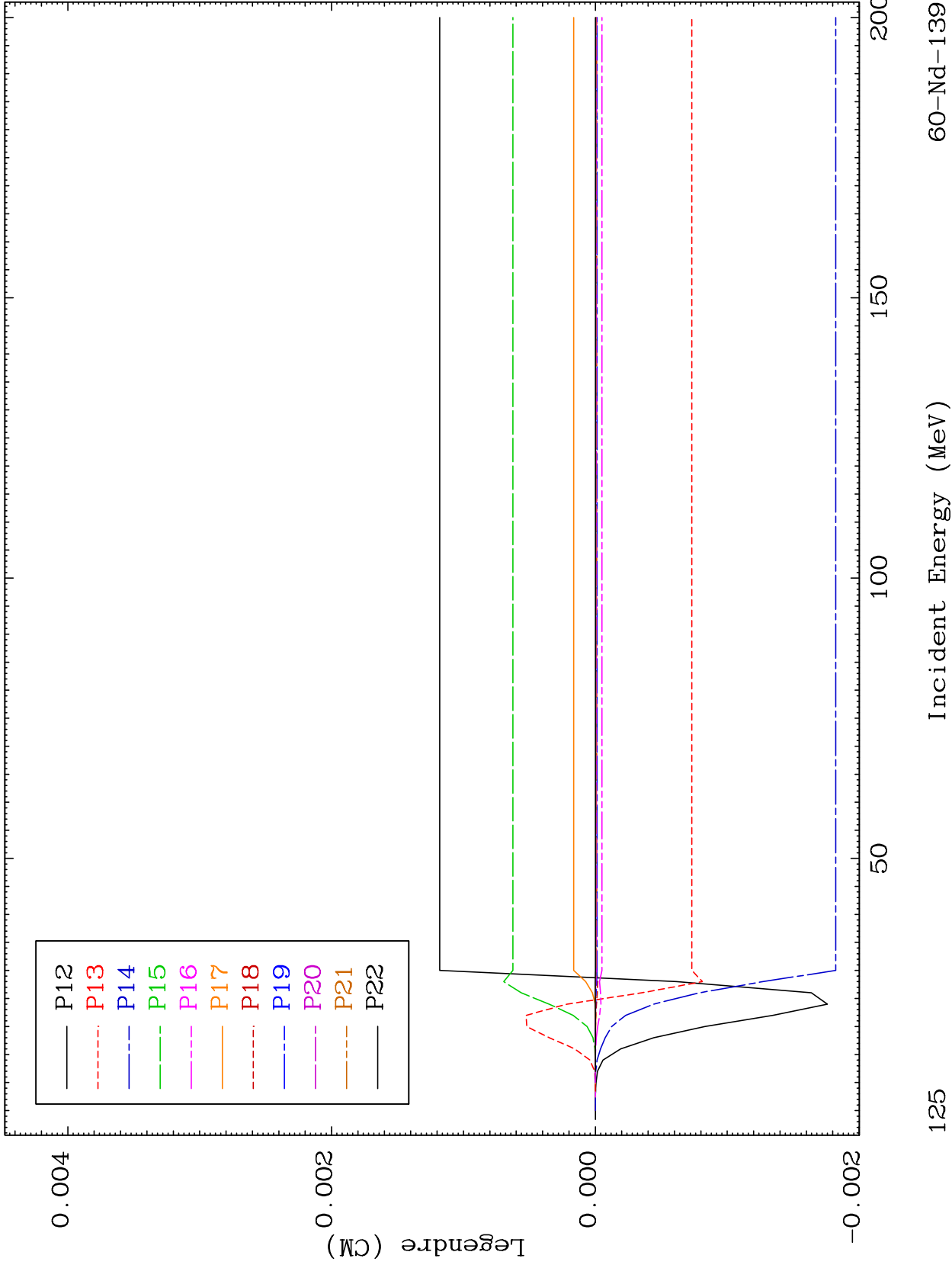
Incident Energy (MeV)

60-Nd-139

MAT 6016

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

60-Nd-139



125

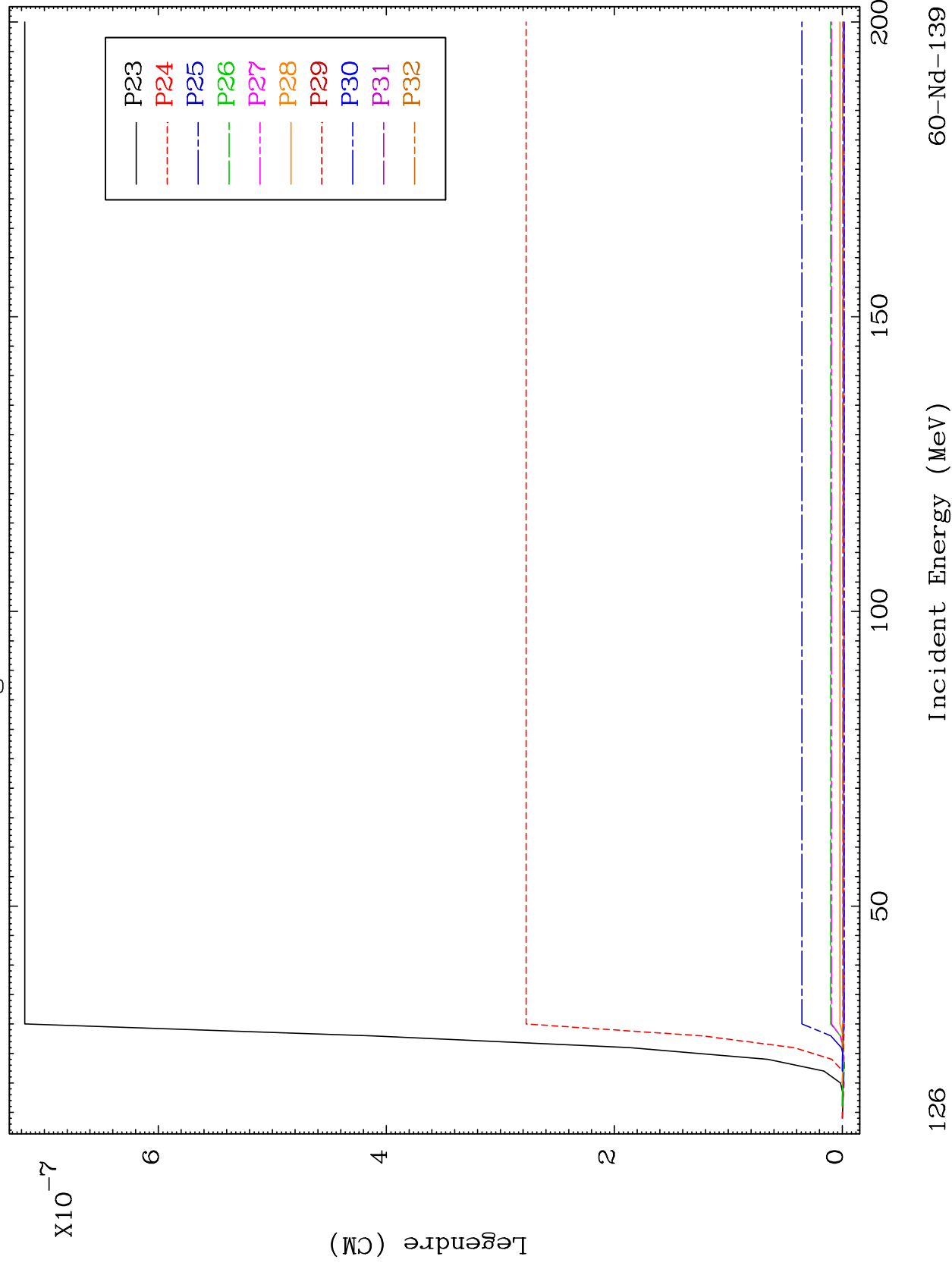
Incident Energy (MeV)

60-Nd-139

MAT 6016

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

60-Nd-139



126

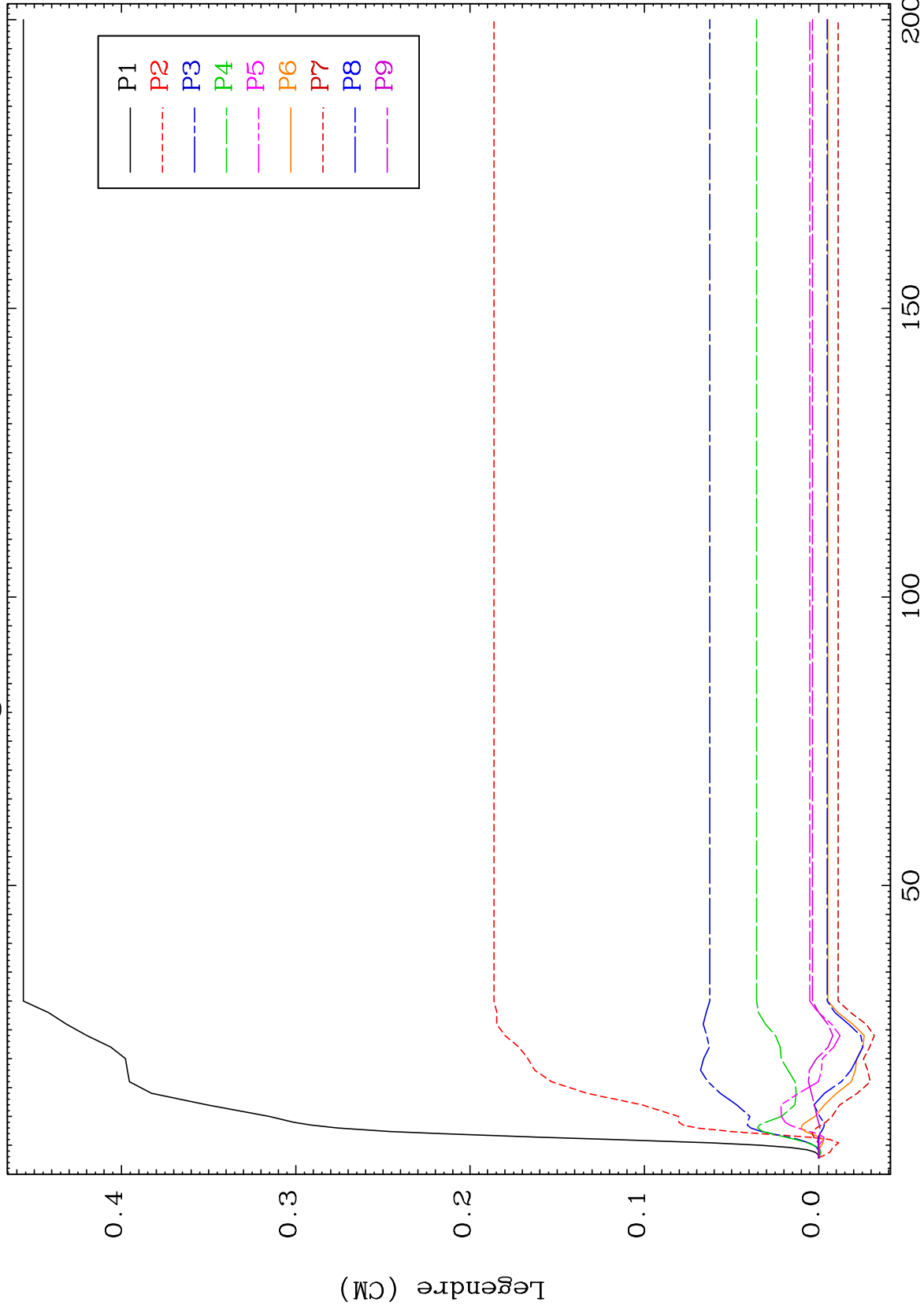
Incident Energy (MeV)

60-Nd-139

MAT 6016

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

60-Nd-139



127

Incident Energy (MeV)

60-Nd-139

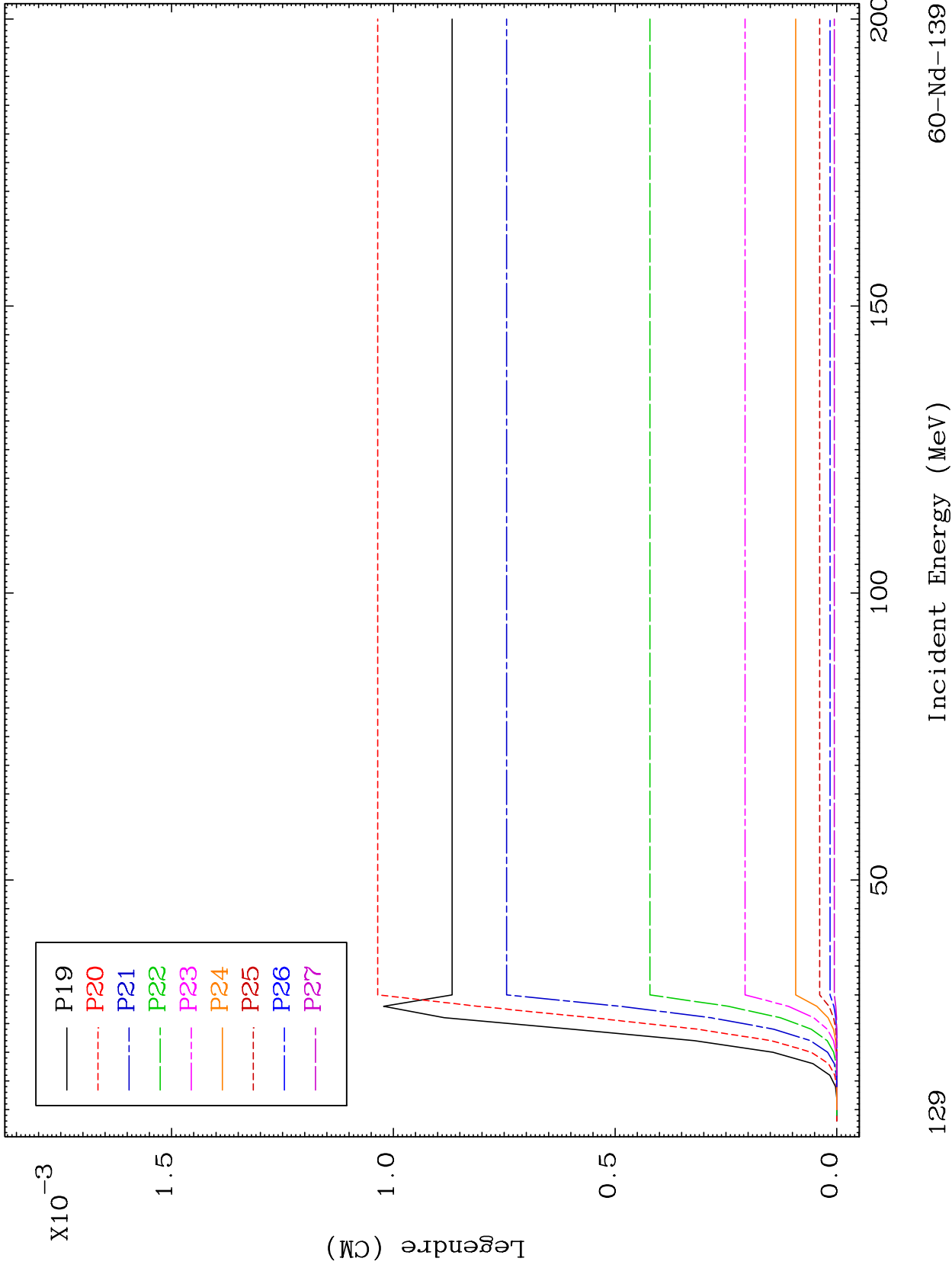




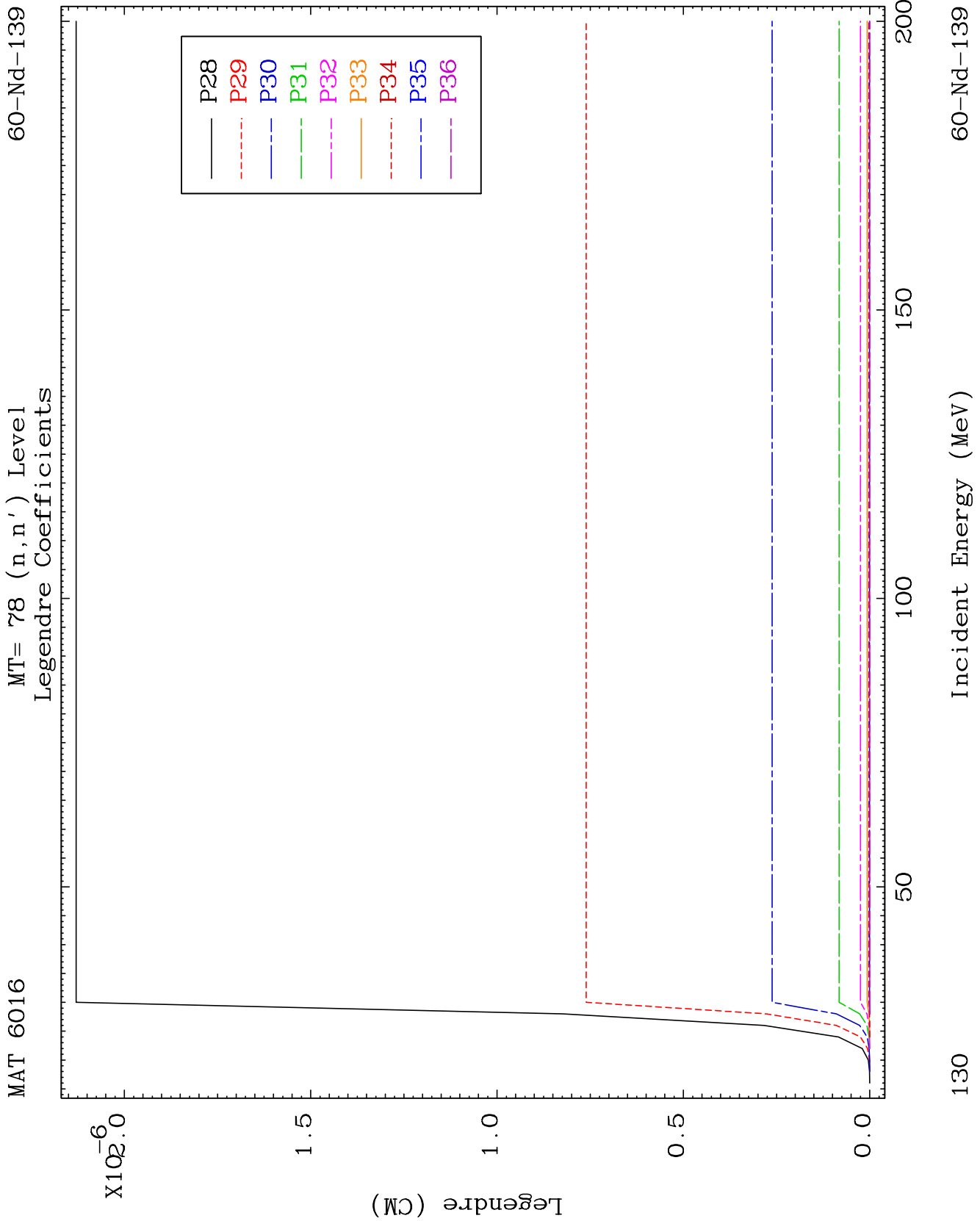
MAT 6016

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

60-Nd-139



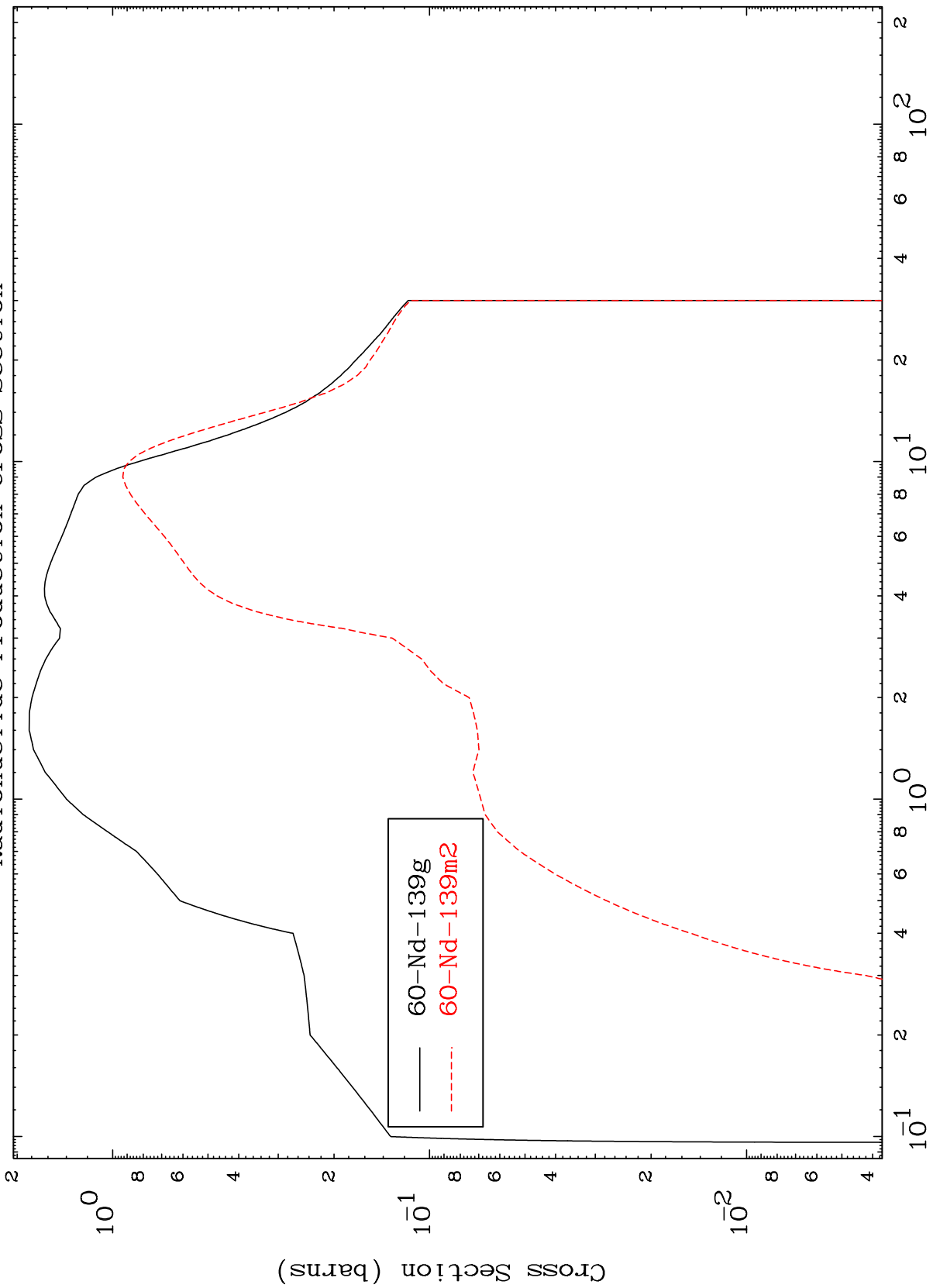
129



MAT 6016

60-Nd-139

Inelastic  
Radionuclide Production Cross Section



60-Nd-139

Incident Energy (MeV)

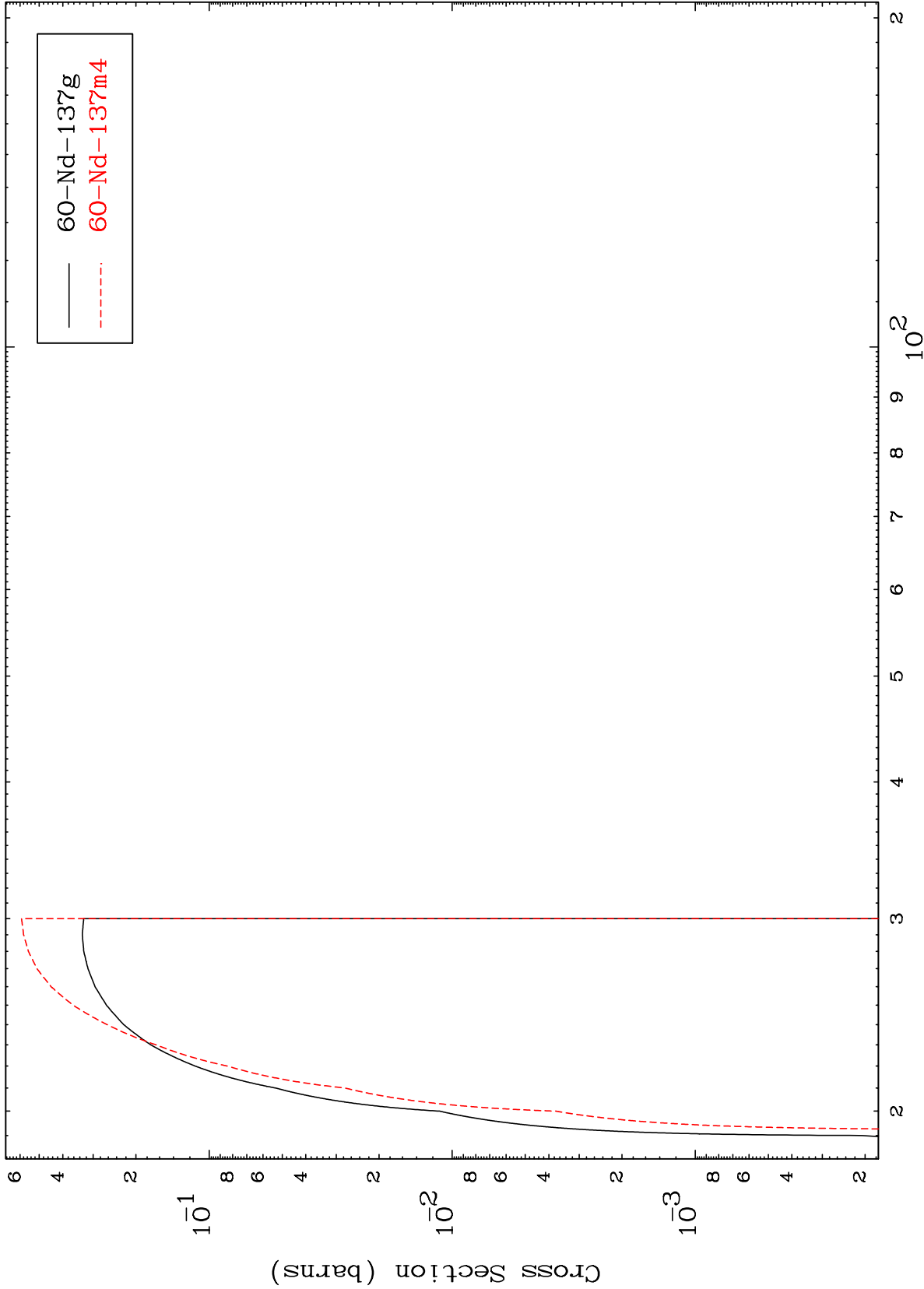
131

MAT 6016

(n,3n)

60-Nd-139

Radionuclide Production Cross Section



132

Incident Energy (MeV)

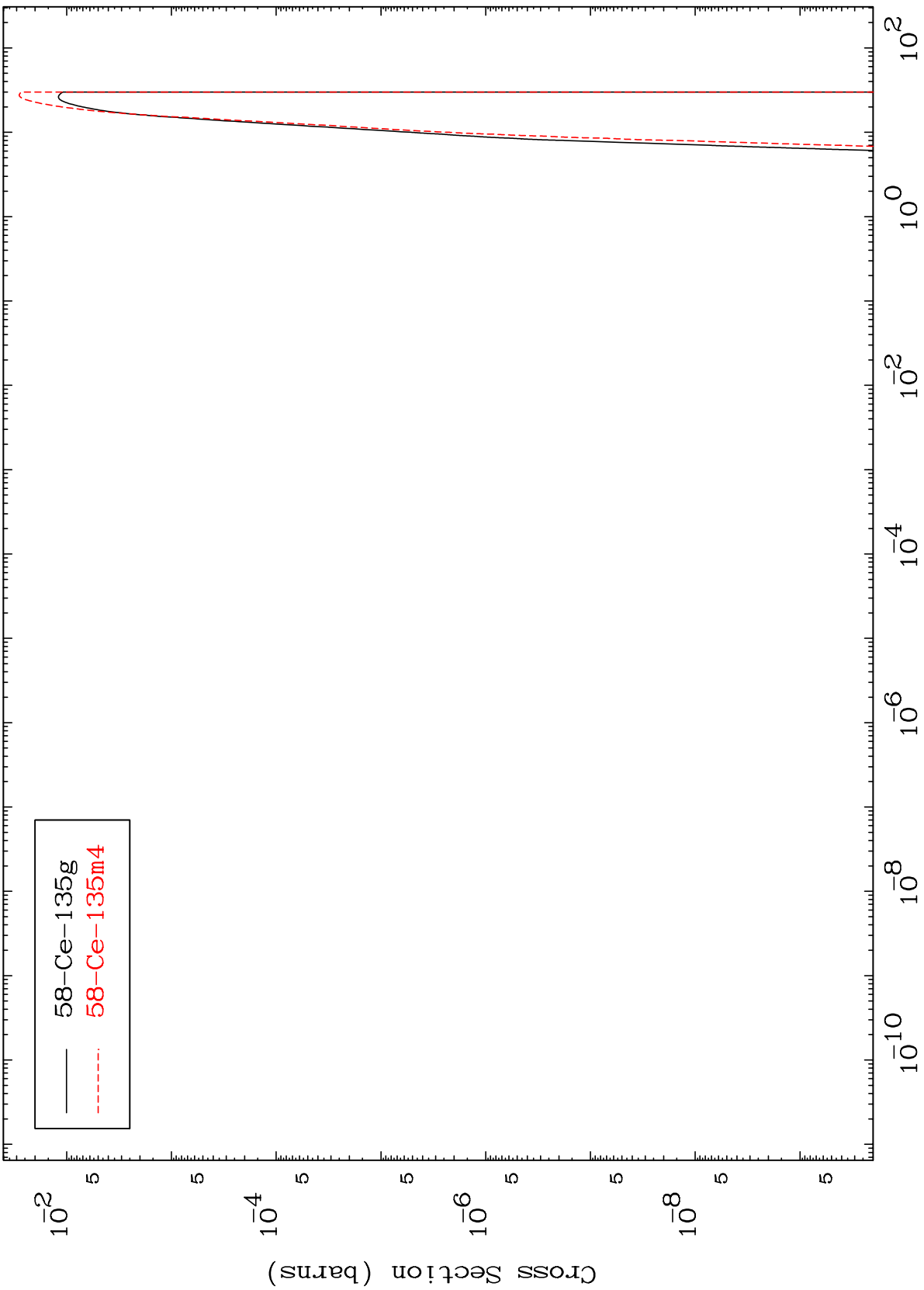
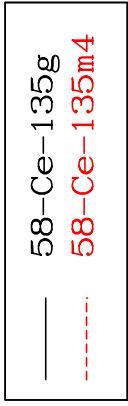
60-Nd-139

MAT 6016

$(n, n') \alpha$

60-Nd-139

Radionuclide Production Cross Section



133

Incident Energy (MeV)

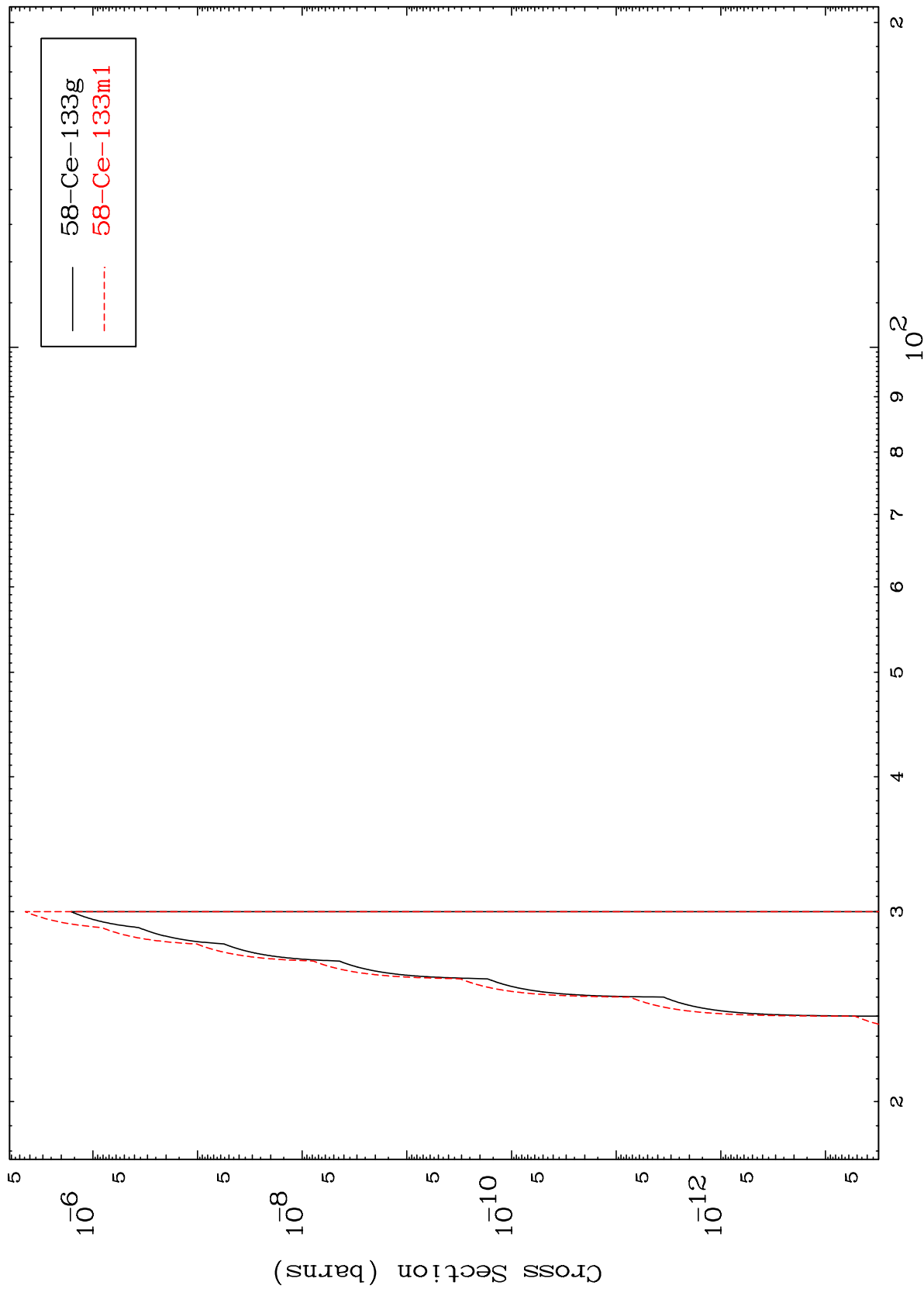
60-Nd-139

MAT 6016

(n,3n)  $\alpha$

60-Nd-139

Radionuclide Production Cross Section



134

Incident Energy (MeV)

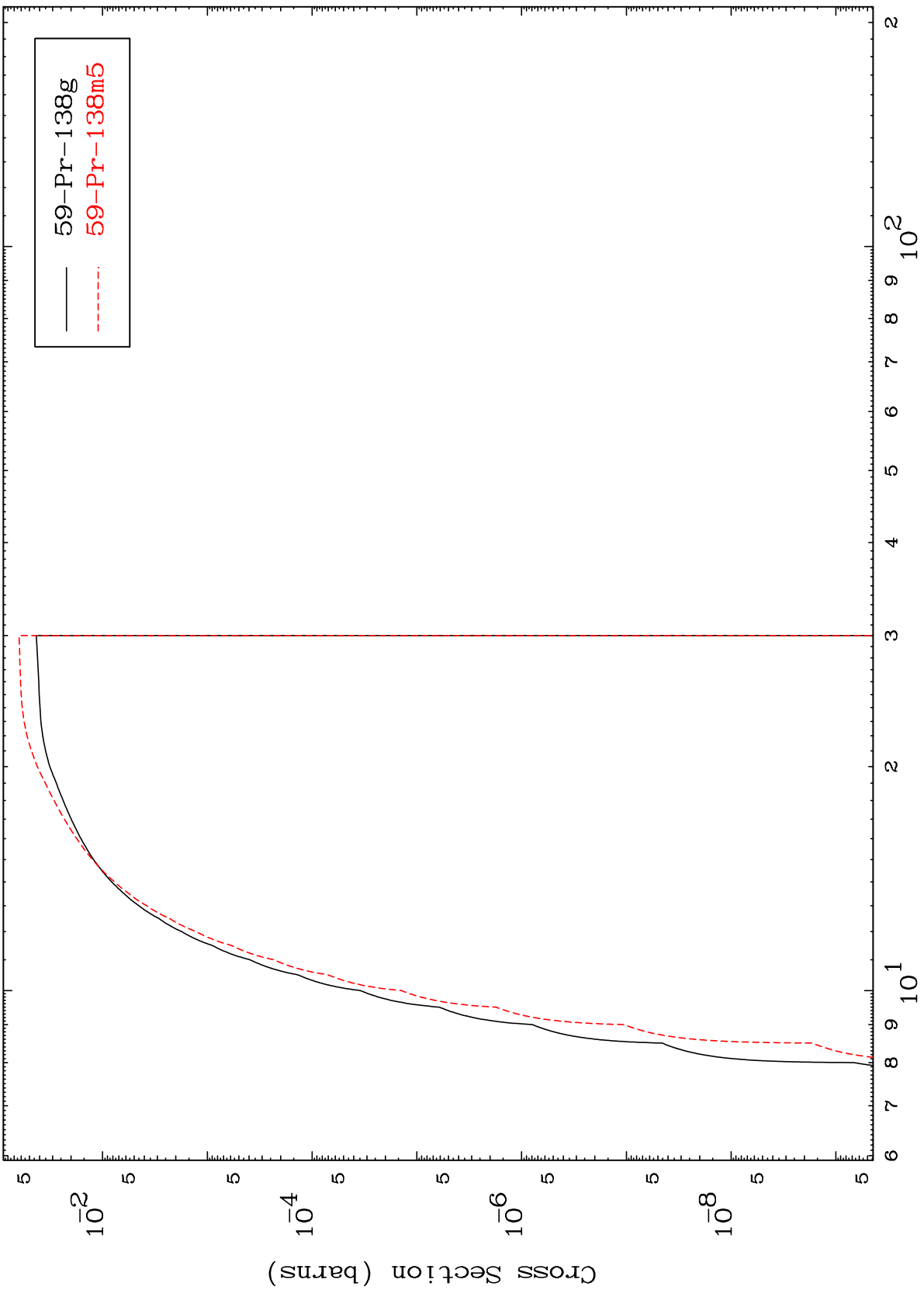
60-Nd-139

MAT 6016

(n,n') p

60-Nd-139

Radionuclide Production Cross Section



135

Incident Energy (MeV)

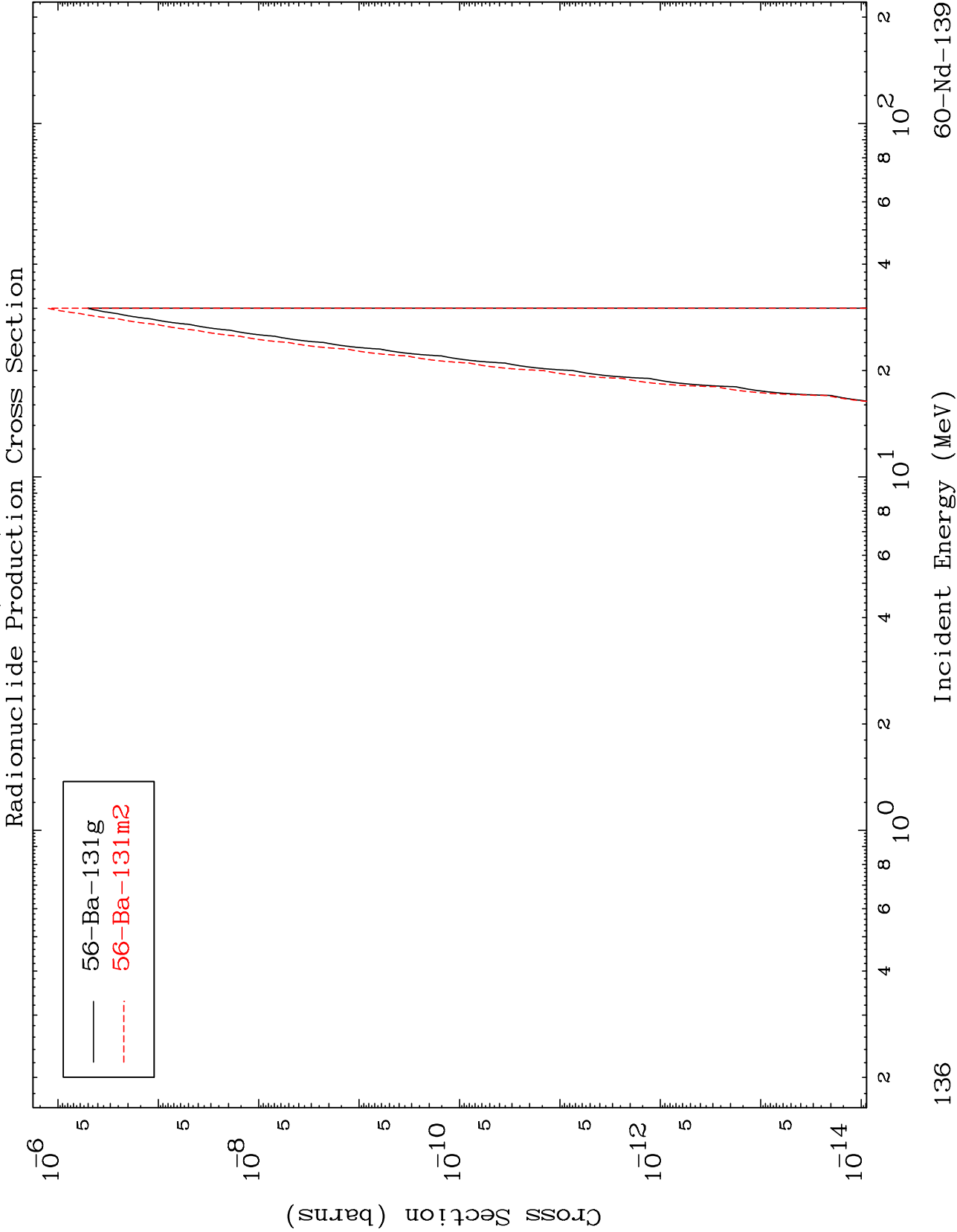
60-Nd-139



MAT 6016

(n,n') 2 $\alpha$

60-Nd-139



56-Ba-131g  
56-Ba-131m2

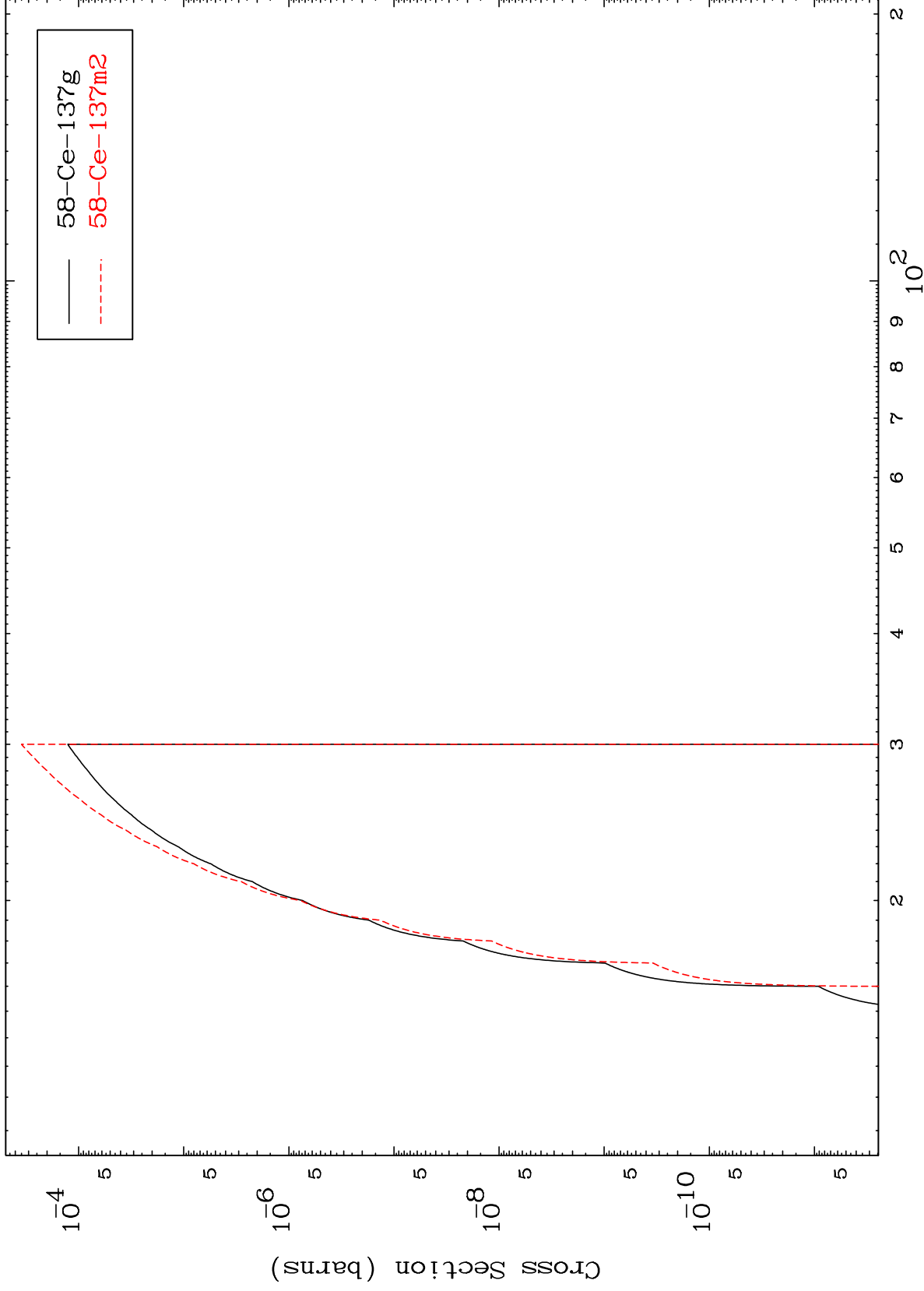
136

MAT 6016

(n,2n) p

60-Nd-139

Radionuclide Production Cross Section



137

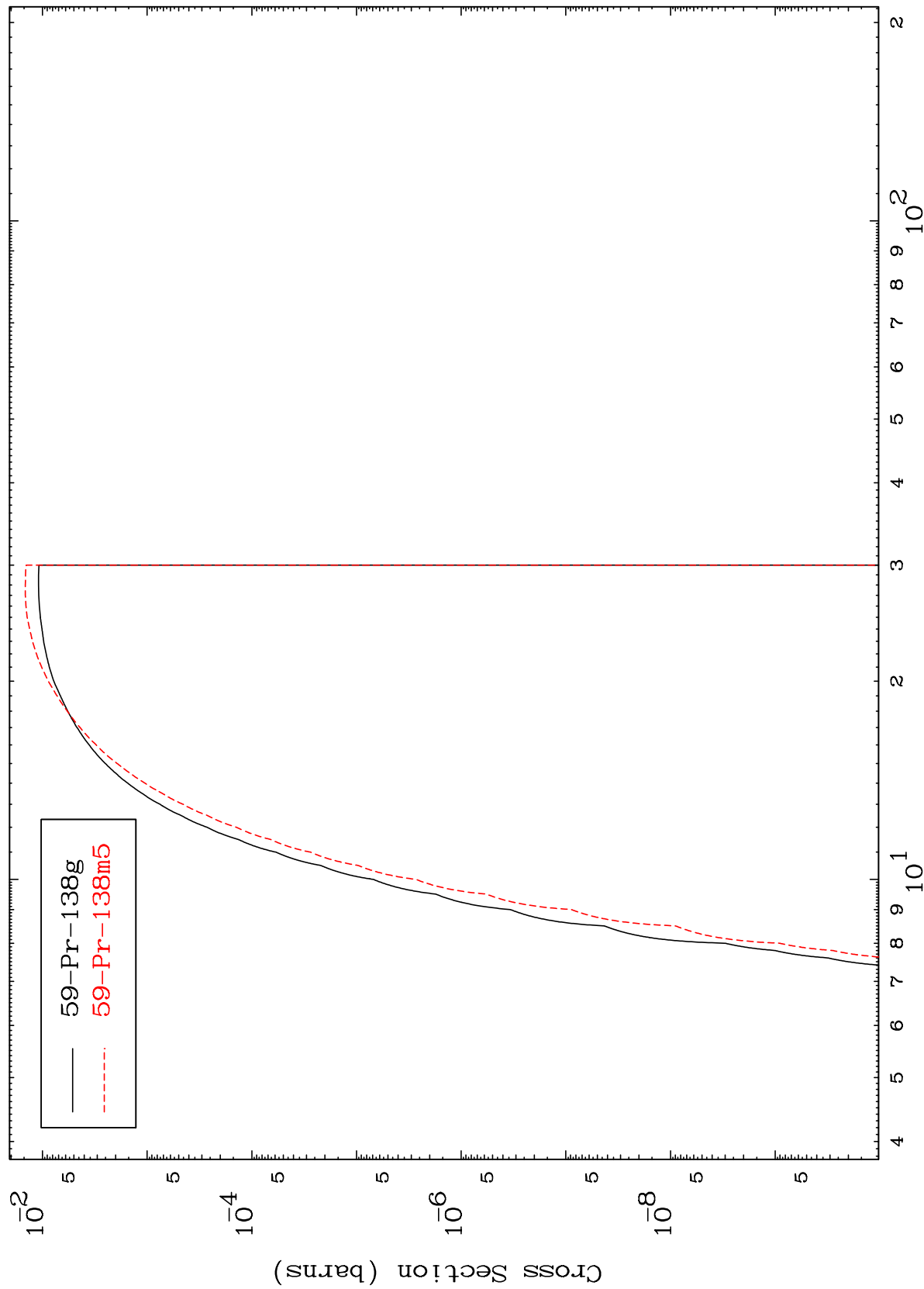
Incident Energy (MeV)

60-Nd-139

MAT 6016

60-Nd-139

(n,d)  
Radionuclide Production Cross Section



59-Pr-138g  
59-Pr-138m5

138

Incident Energy (MeV)

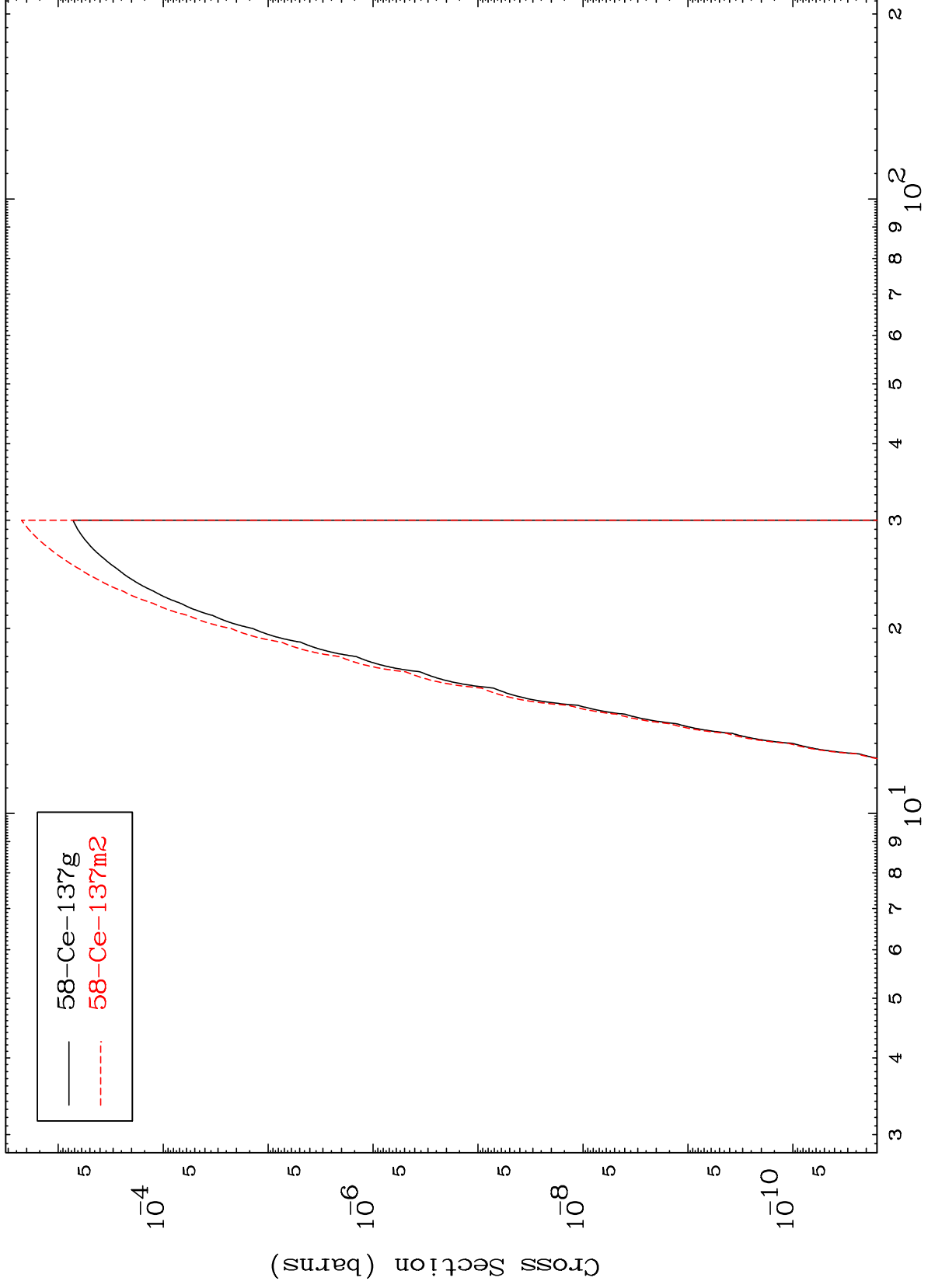
60-Nd-139

MAT 6016

(n,He-3)

60-Nd-139

Radionuclide Production Cross Section



58-Ce-137g  
58-Ce-137m2

139

Incident Energy (MeV)

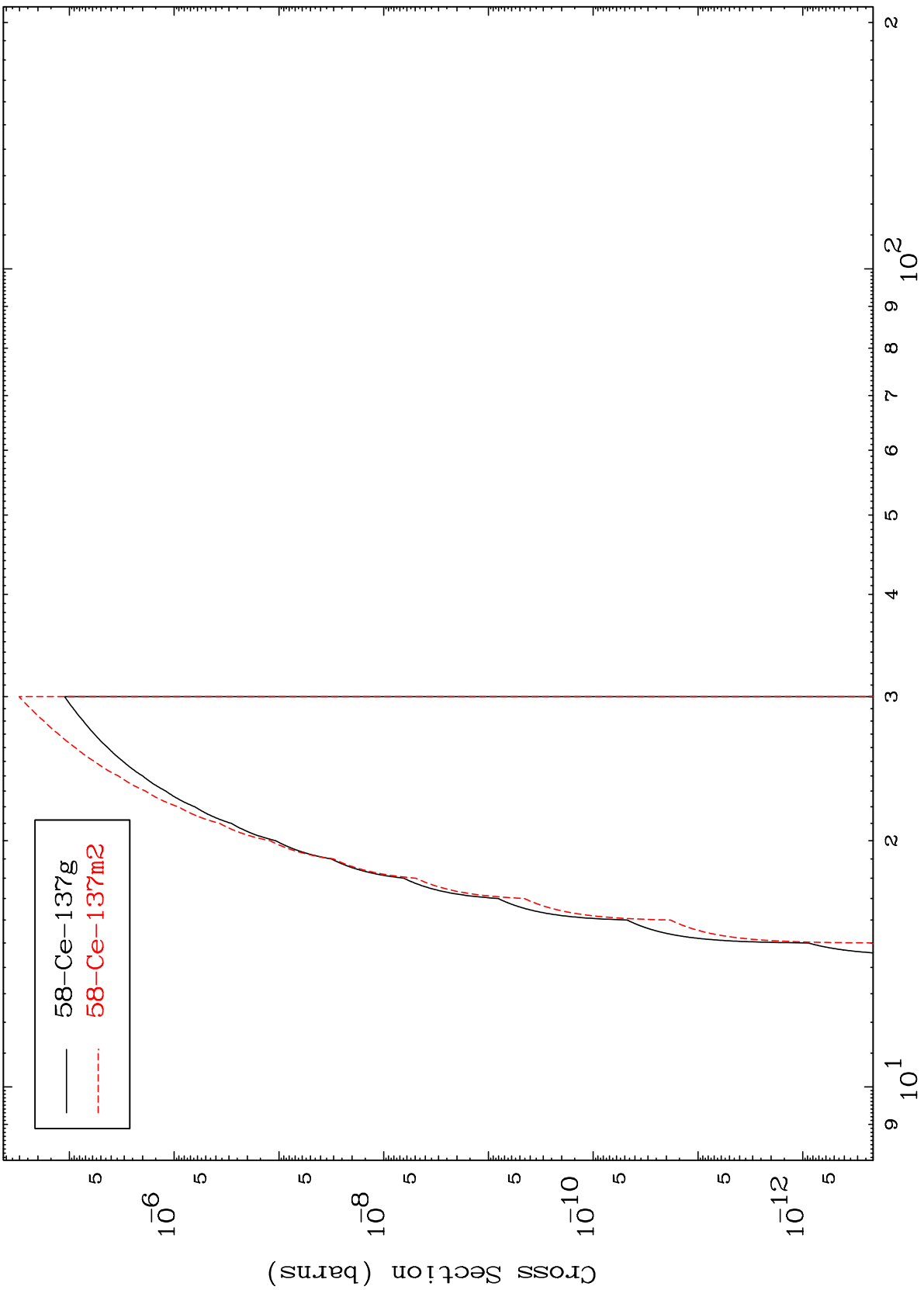
60-Nd-139

MAT 6016

(n,p) d

60-Nd-139

Radionuclide Production Cross Section



140

Incident Energy (MeV)

60-Nd-139