

Program EVALPLOT  
(Version 2018-1)

by

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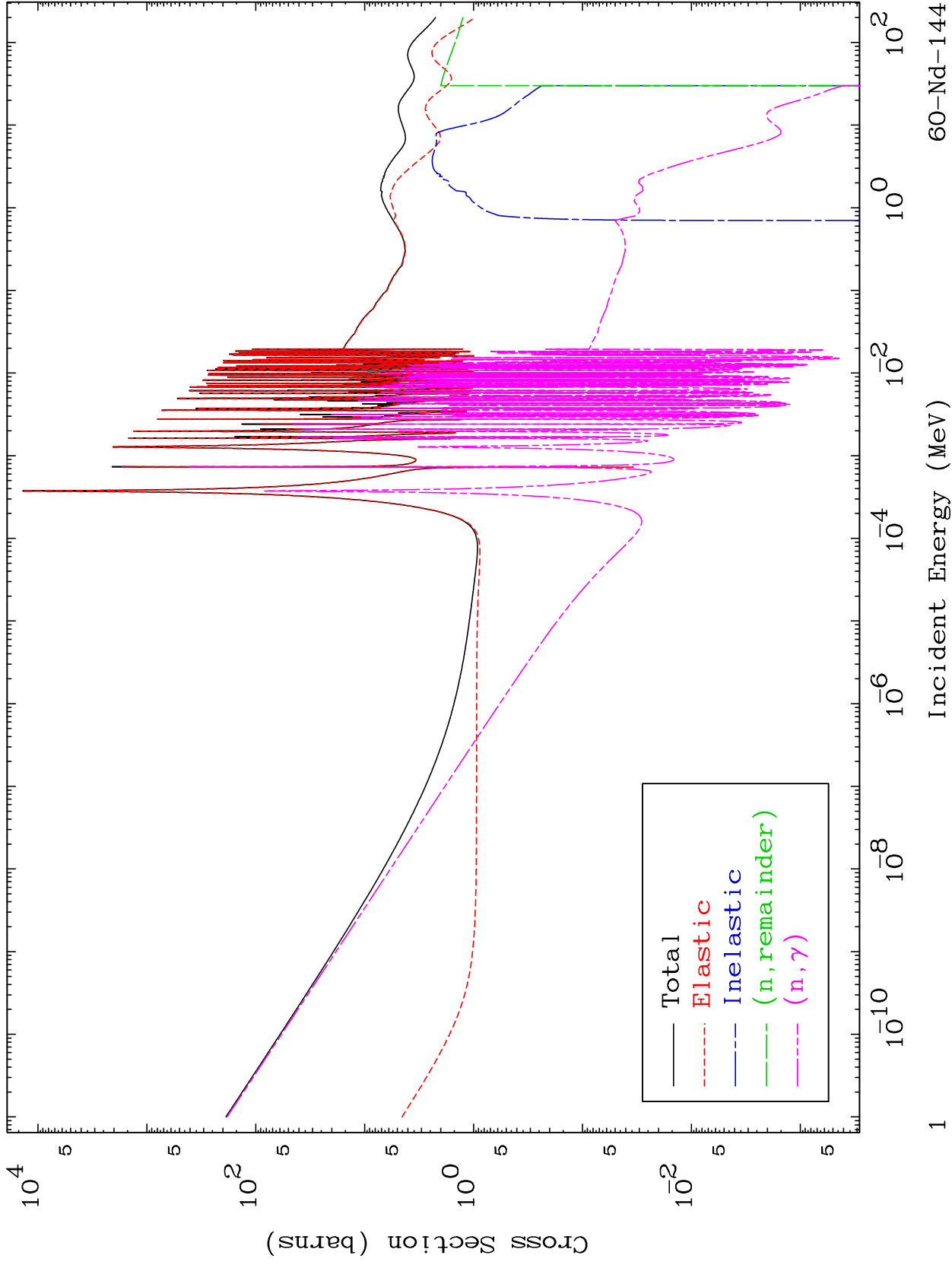
Press Mouse Button to Start

MAT 6031

Major

293 Kelvin Cross Sections

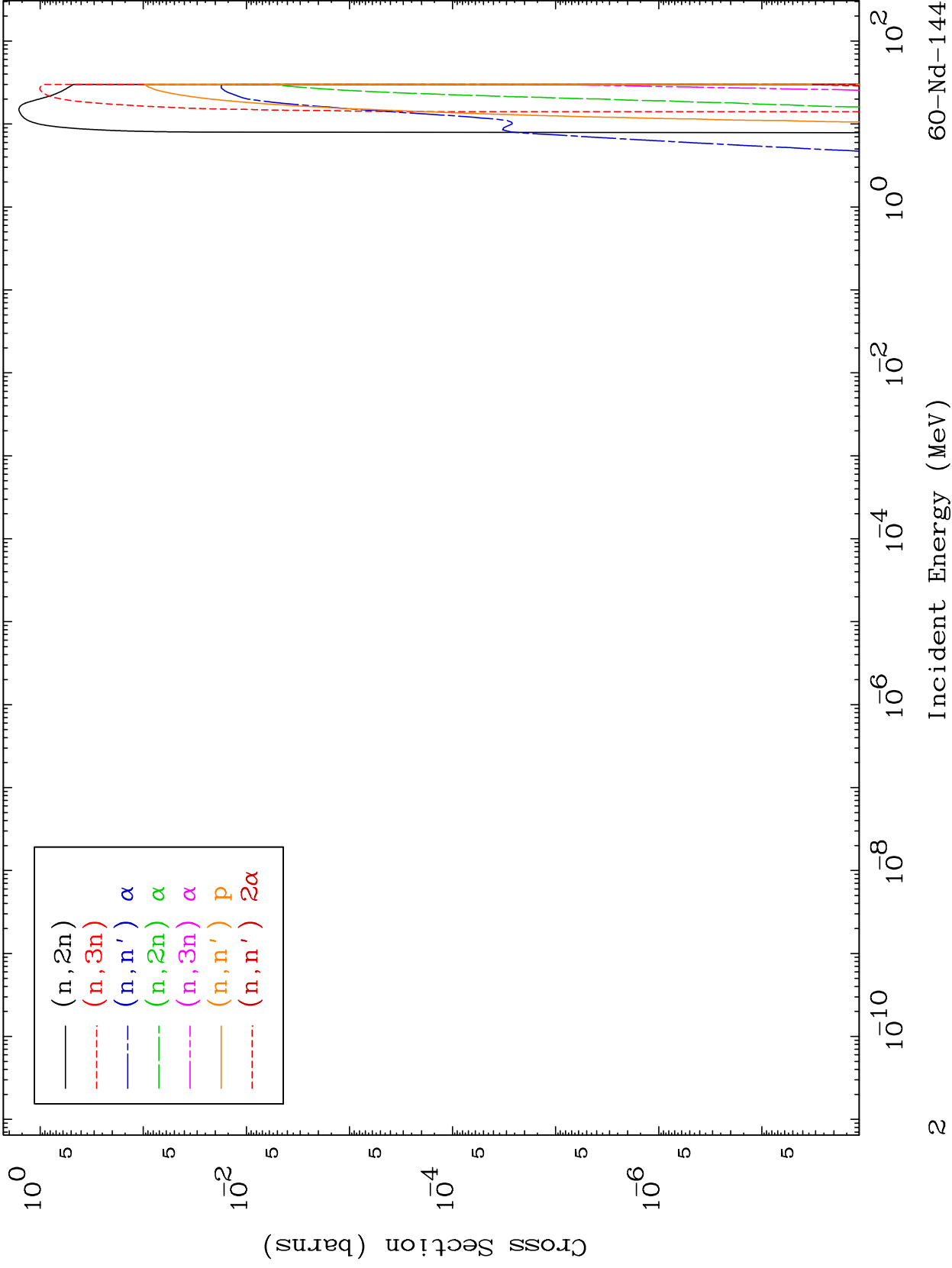
60-Nd-144

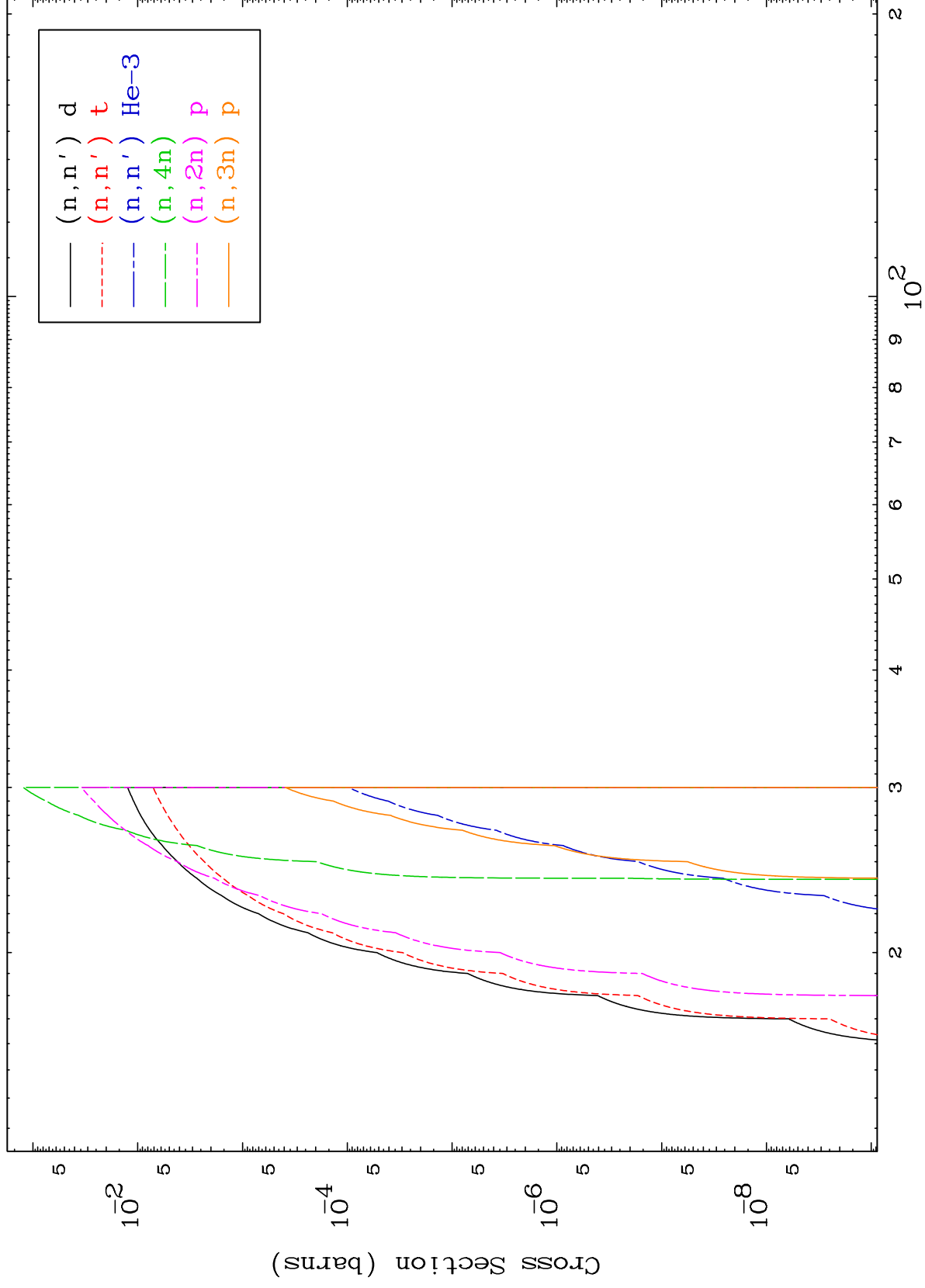


MAT 6031

Neutron Production  
293 Kelvin Cross Sections

60-Nd-144

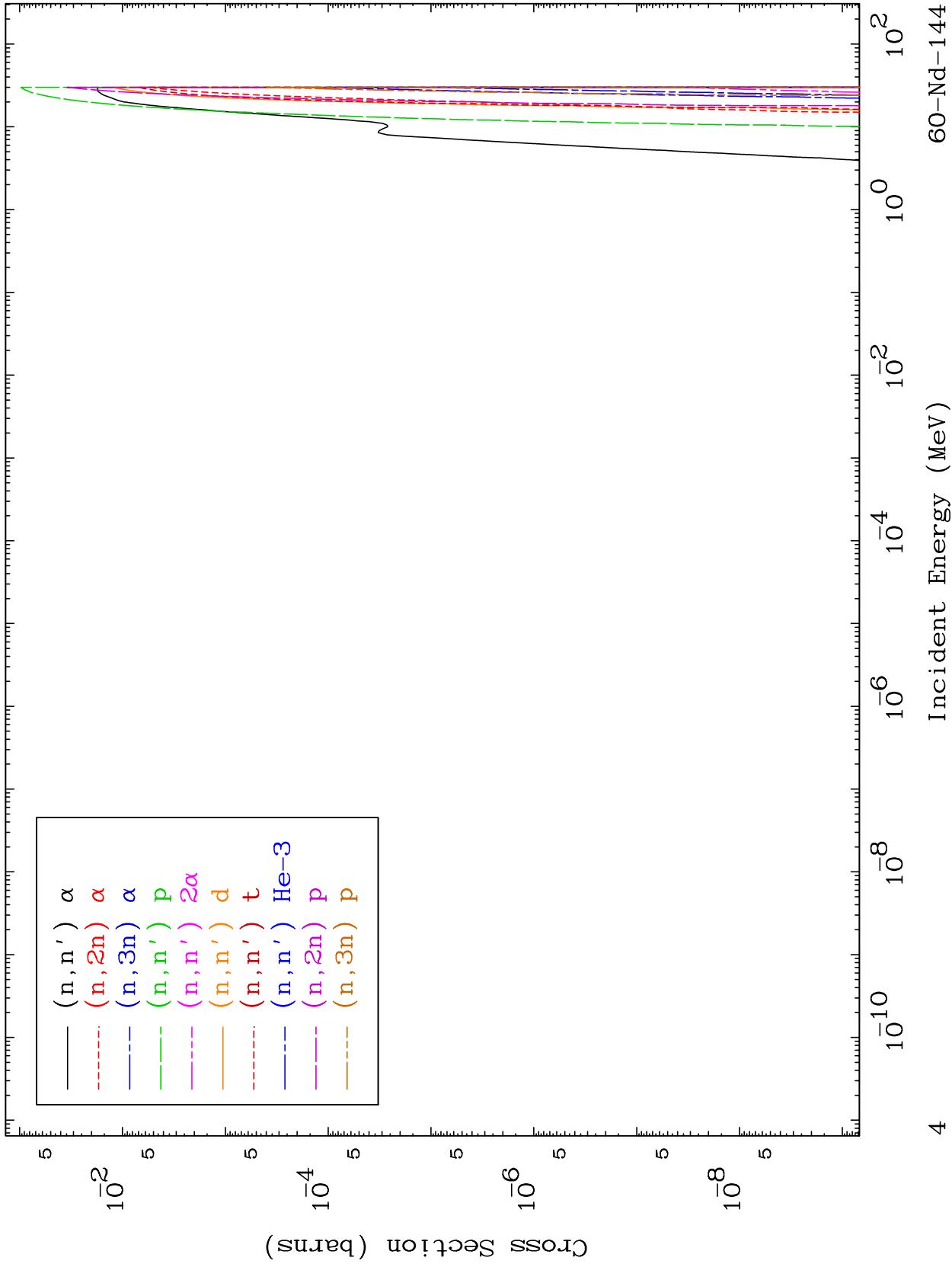




MAT 6031

Charged Particle  
293 Kelvin Cross Sections

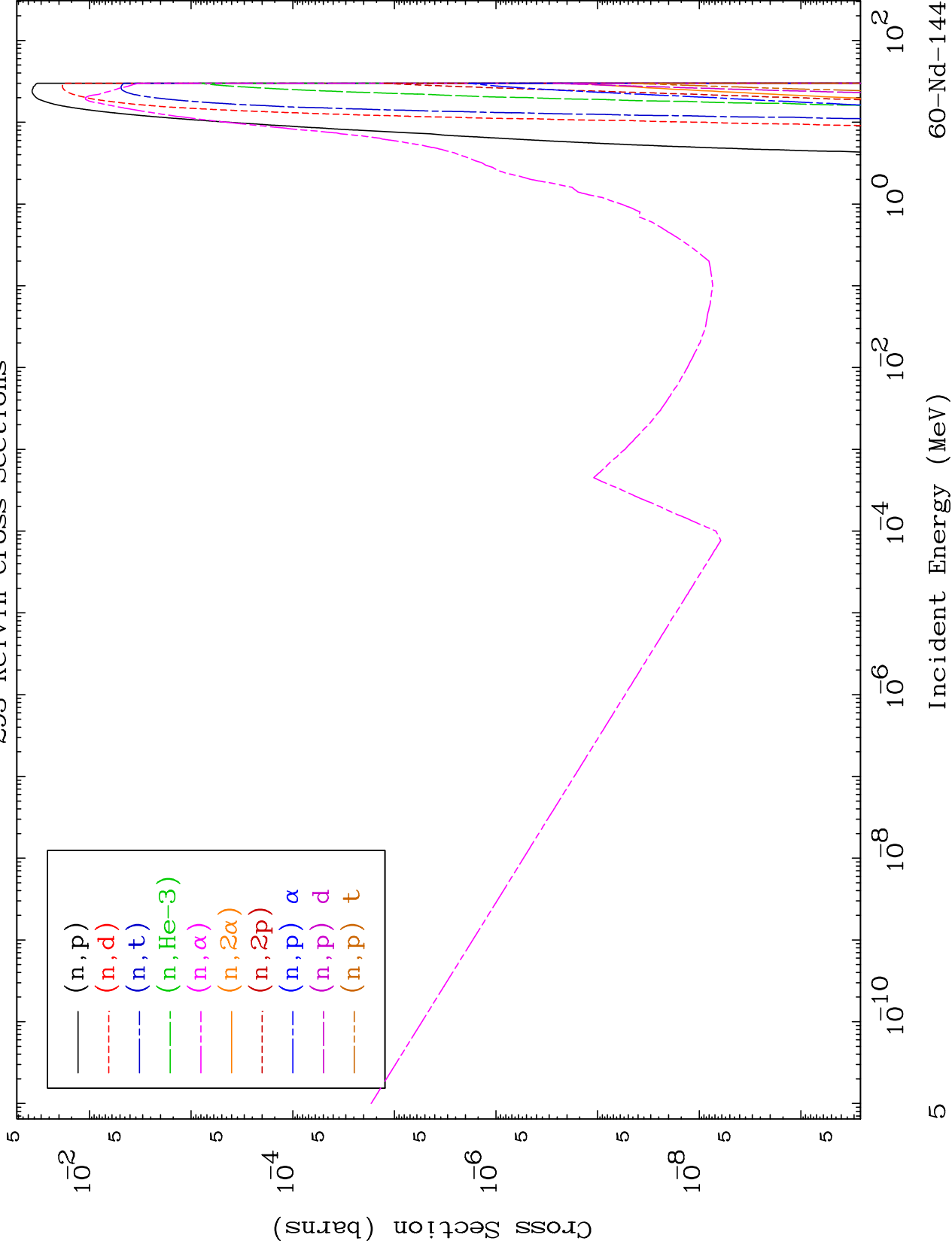
60-Nd-144



MAT 6031

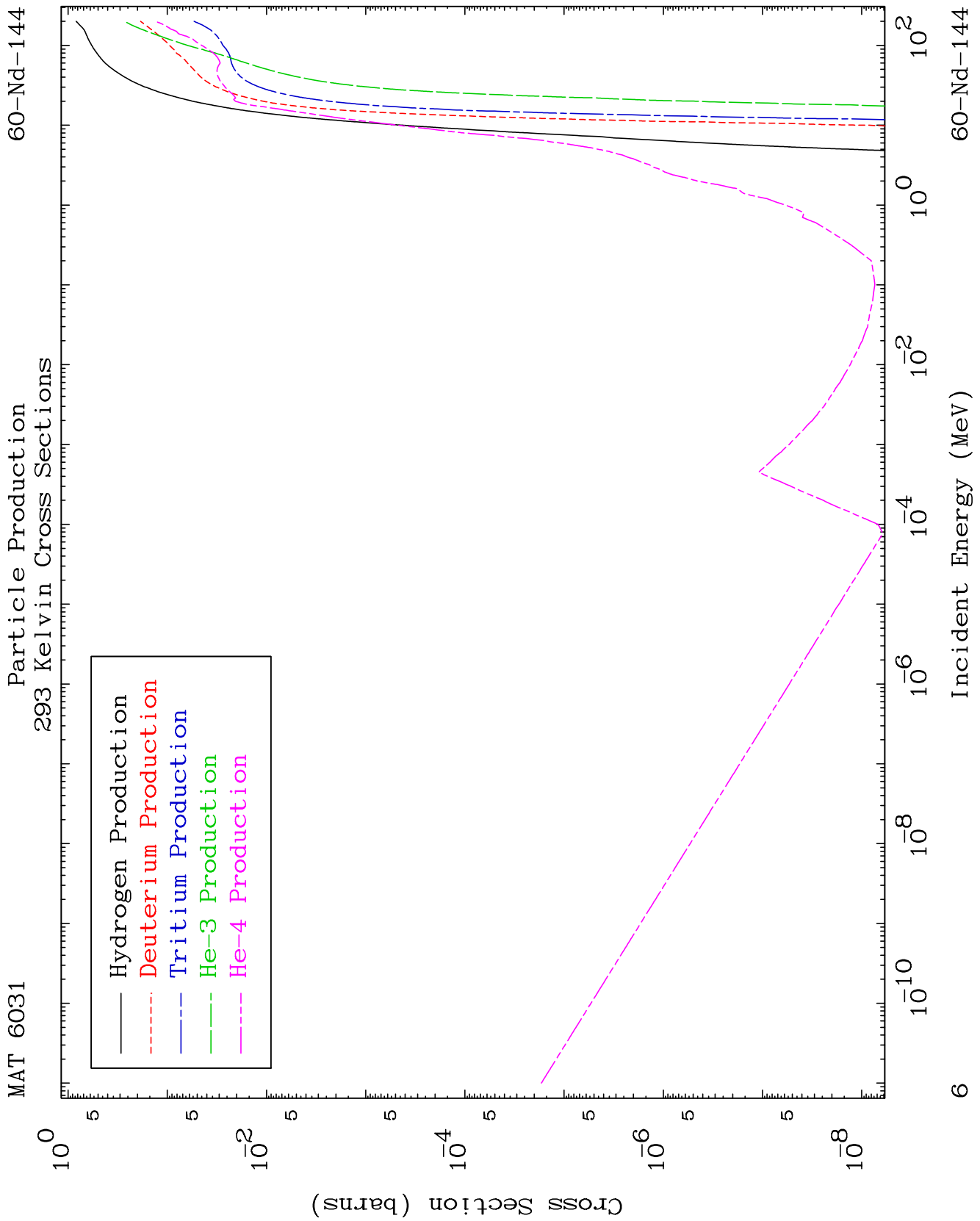
Charged Particle  
293 Kelvin Cross Sections

60-Nd-144



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60-Nd-144

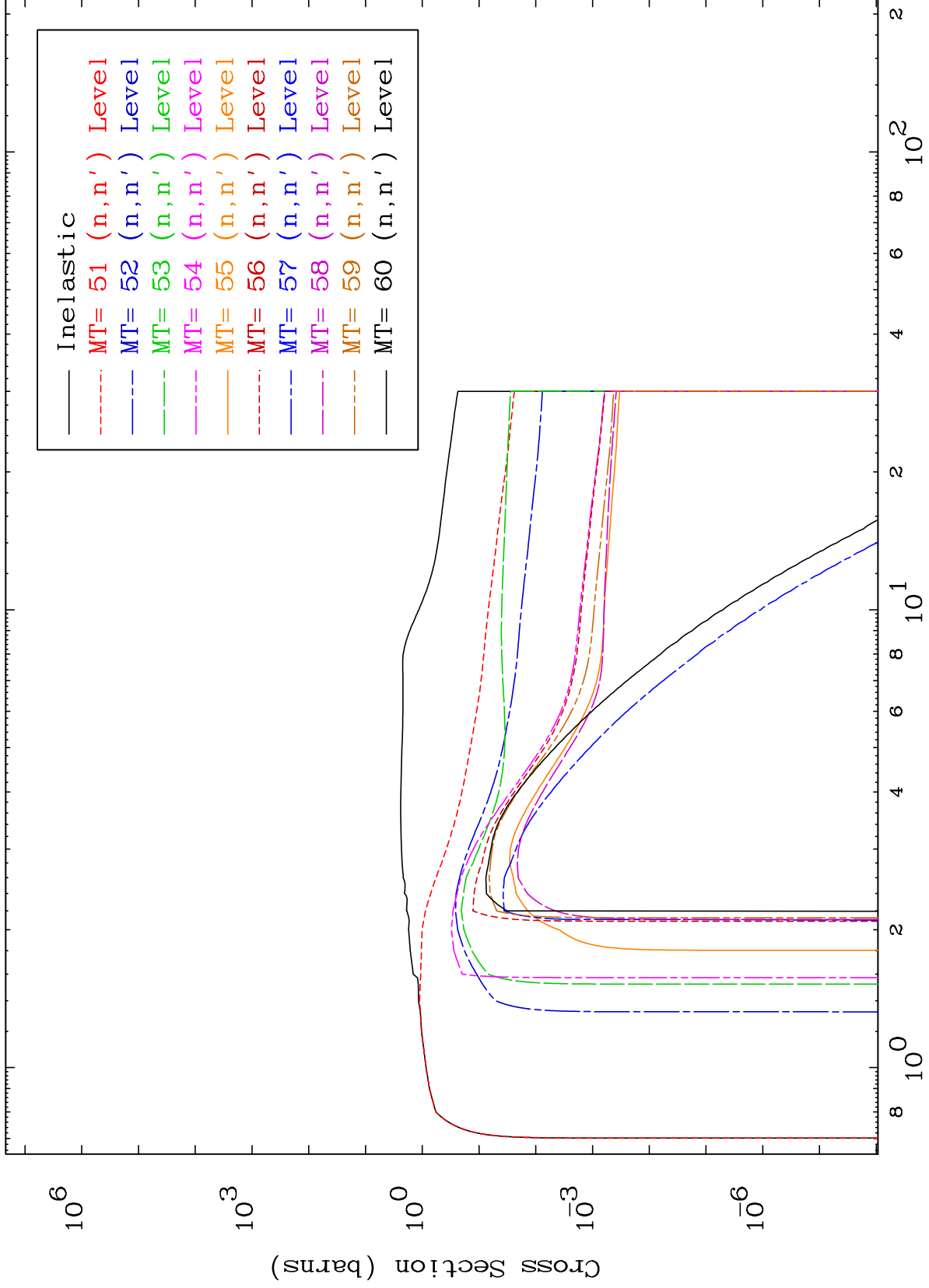


MAT 6031

(n,n') Level

60-Nd-144

293 Kelvin Cross Sections



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Incident Energy (MeV)

60-Nd-144

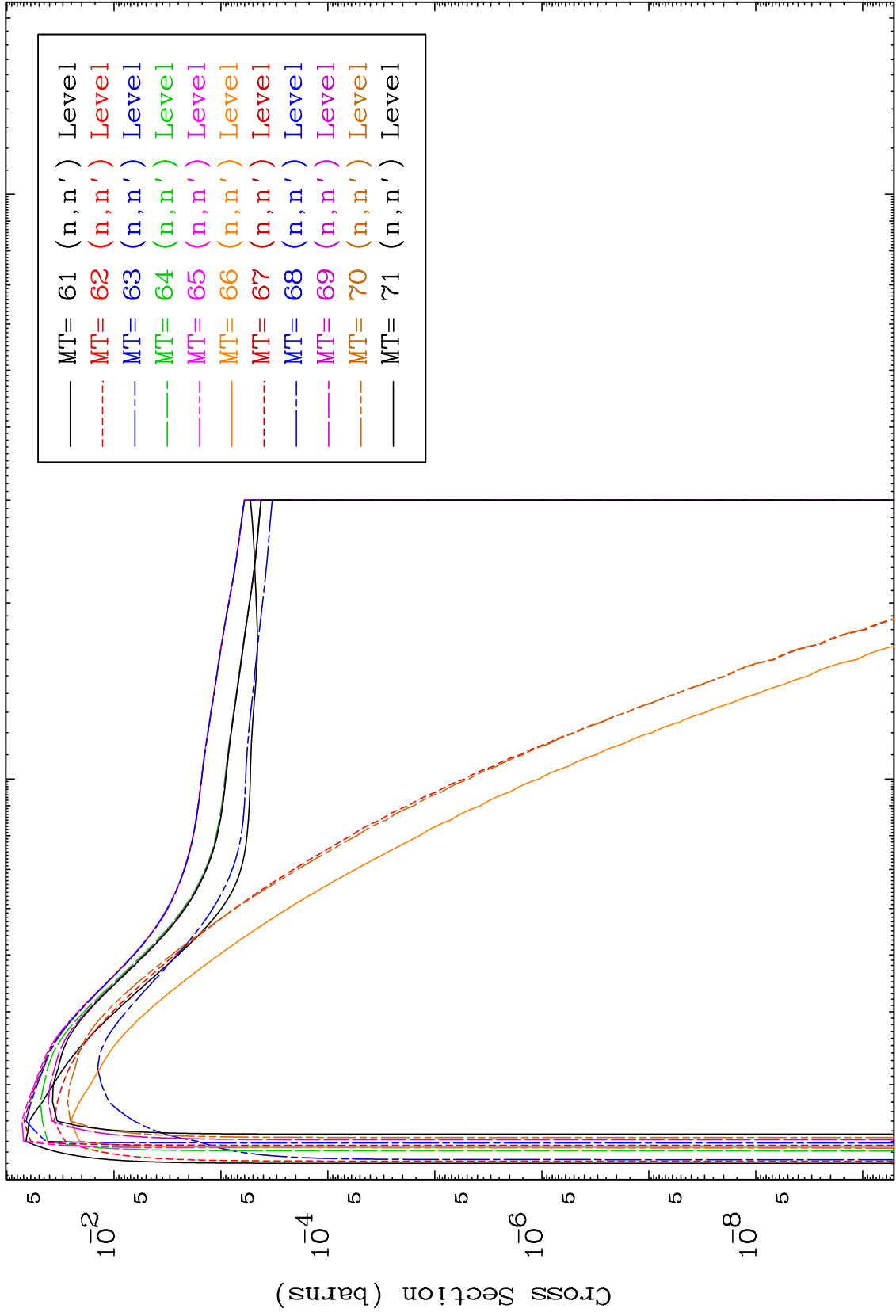


MAT 6031

(n,n') Level

60-Nd-144

293 Kelvin Cross Sections



8

Incident Energy (MeV)

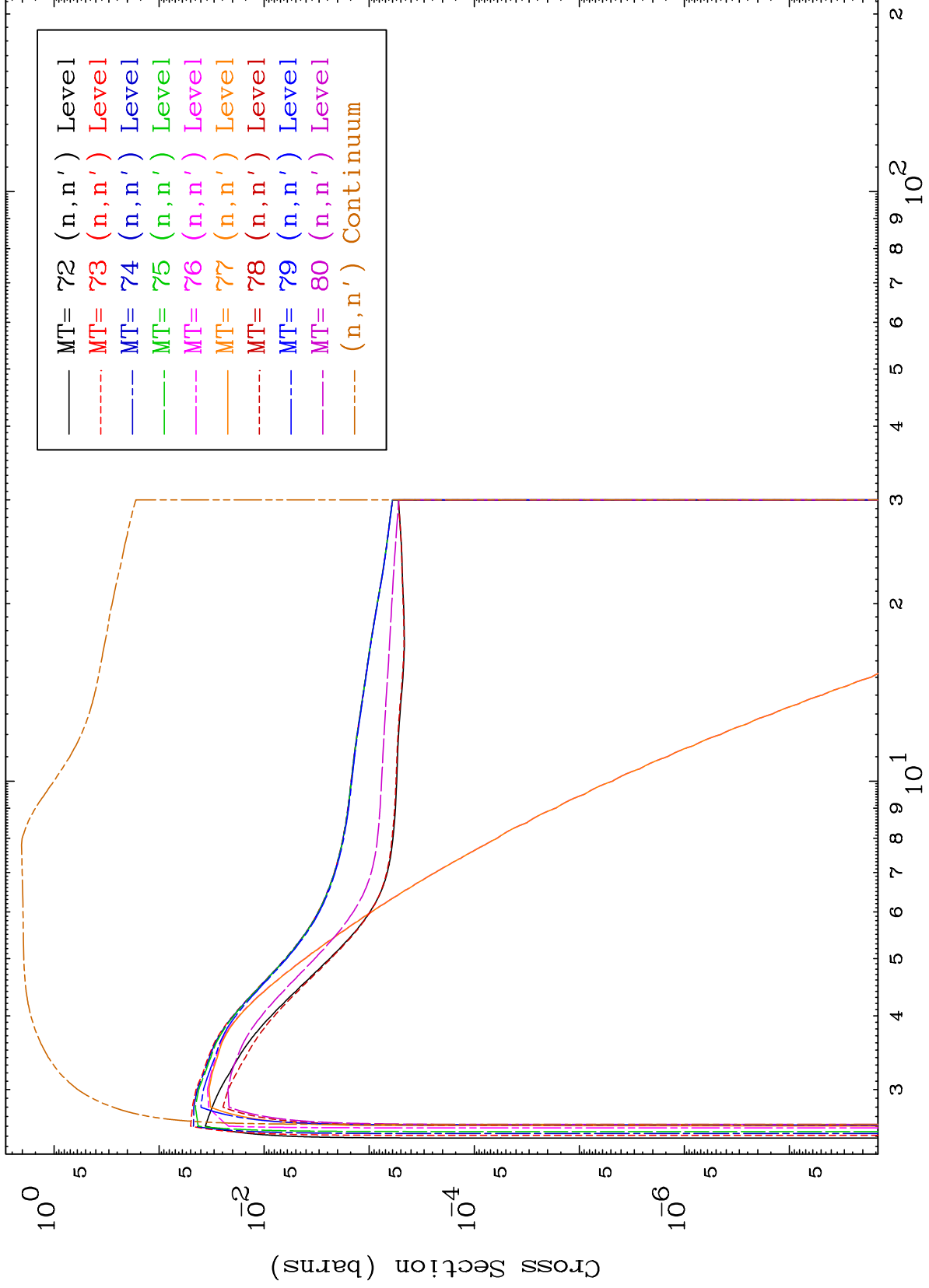
60-Nd-144

MAT 6031

(n,n') Level

60-Nd-144

293 Kelvin Cross Sections



9

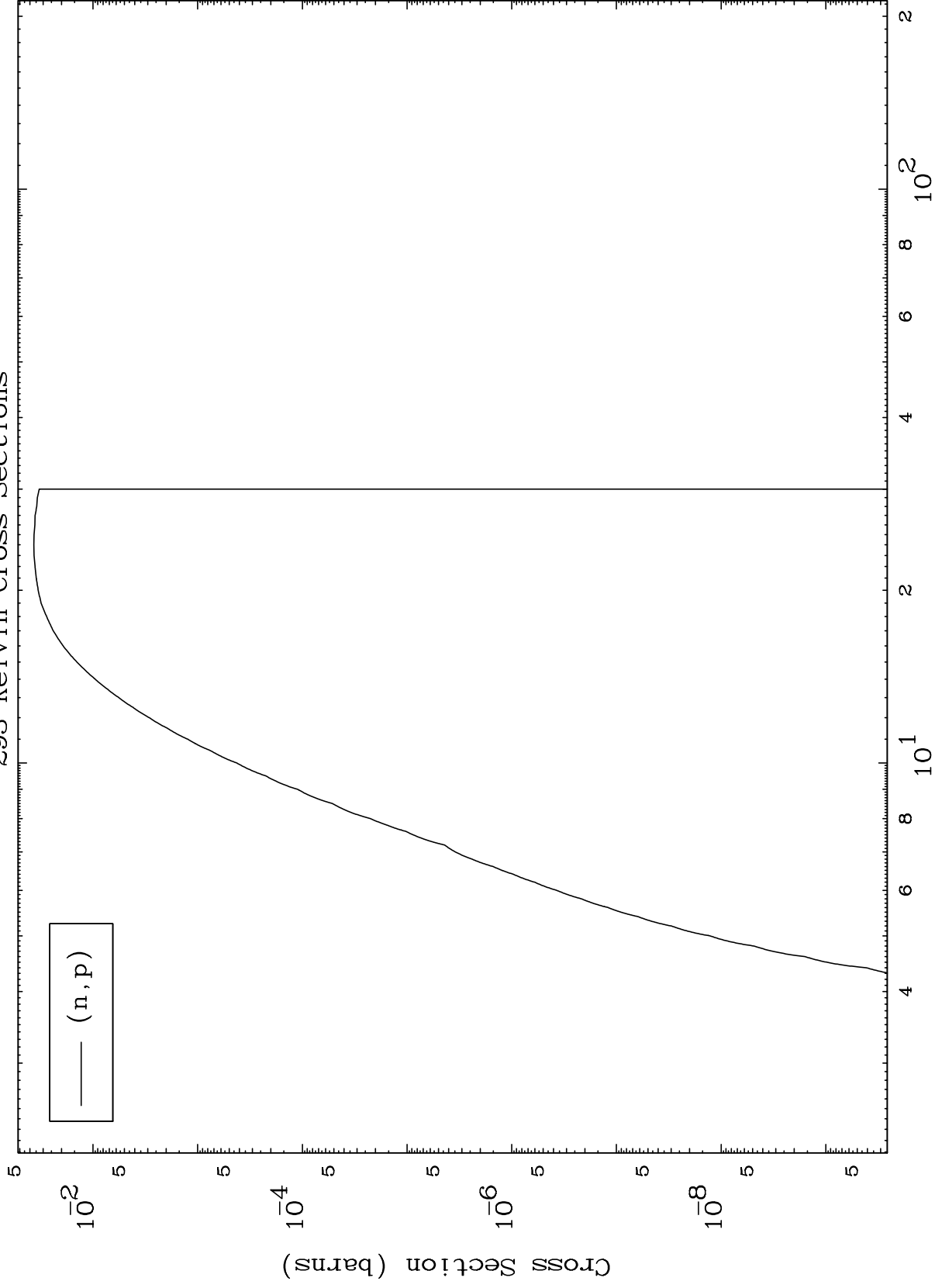
Incident Energy (MeV)

60-Nd-144

MAT 6031

(n,p) Levels  
293 Kelvin Cross Sections

60-Nd-144



10

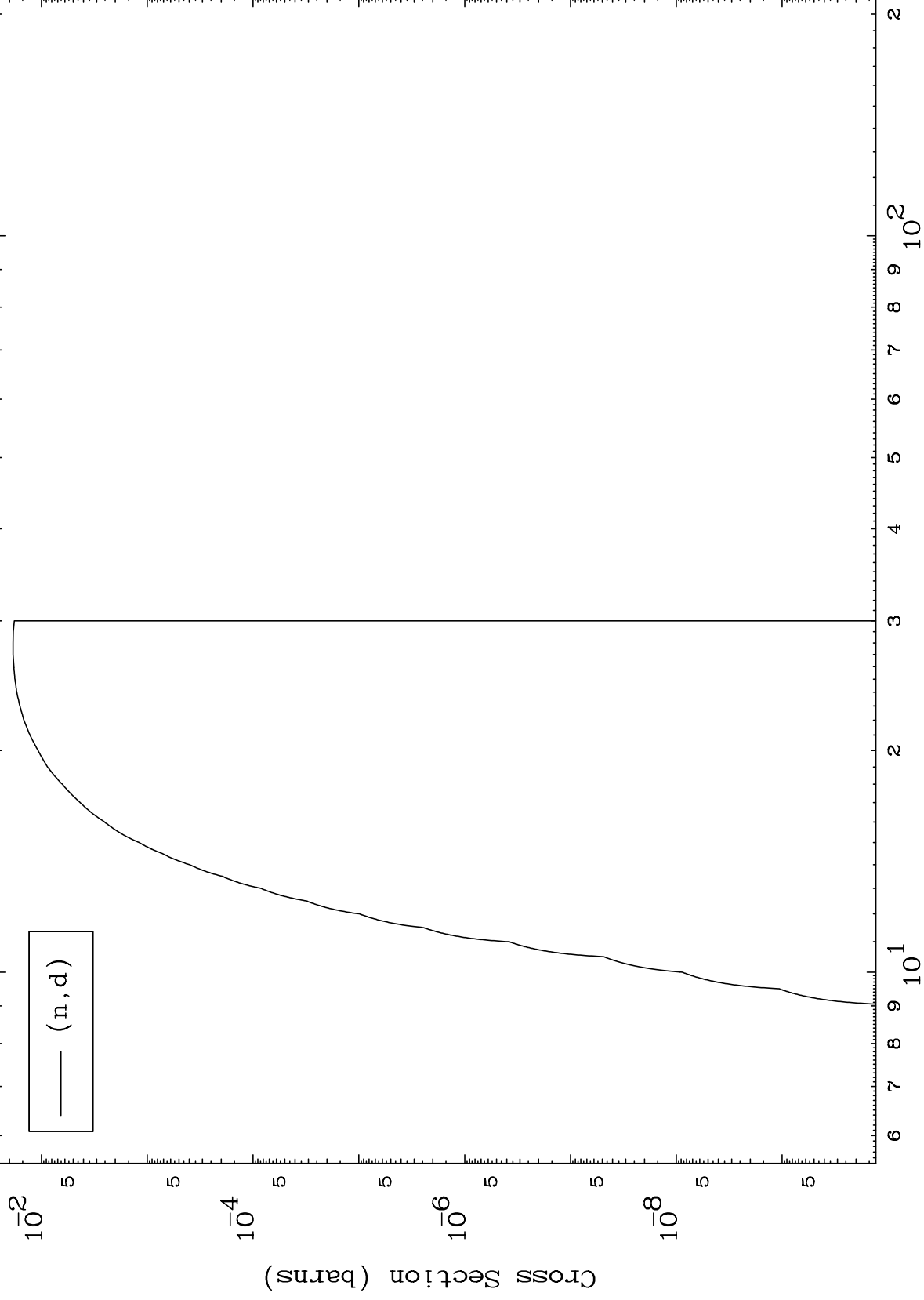
Incident Energy (MeV)

60-Nd-144

MAT 6031

(n,d) Levels  
293 Kelvin Cross Sections

60-Nd-144



11

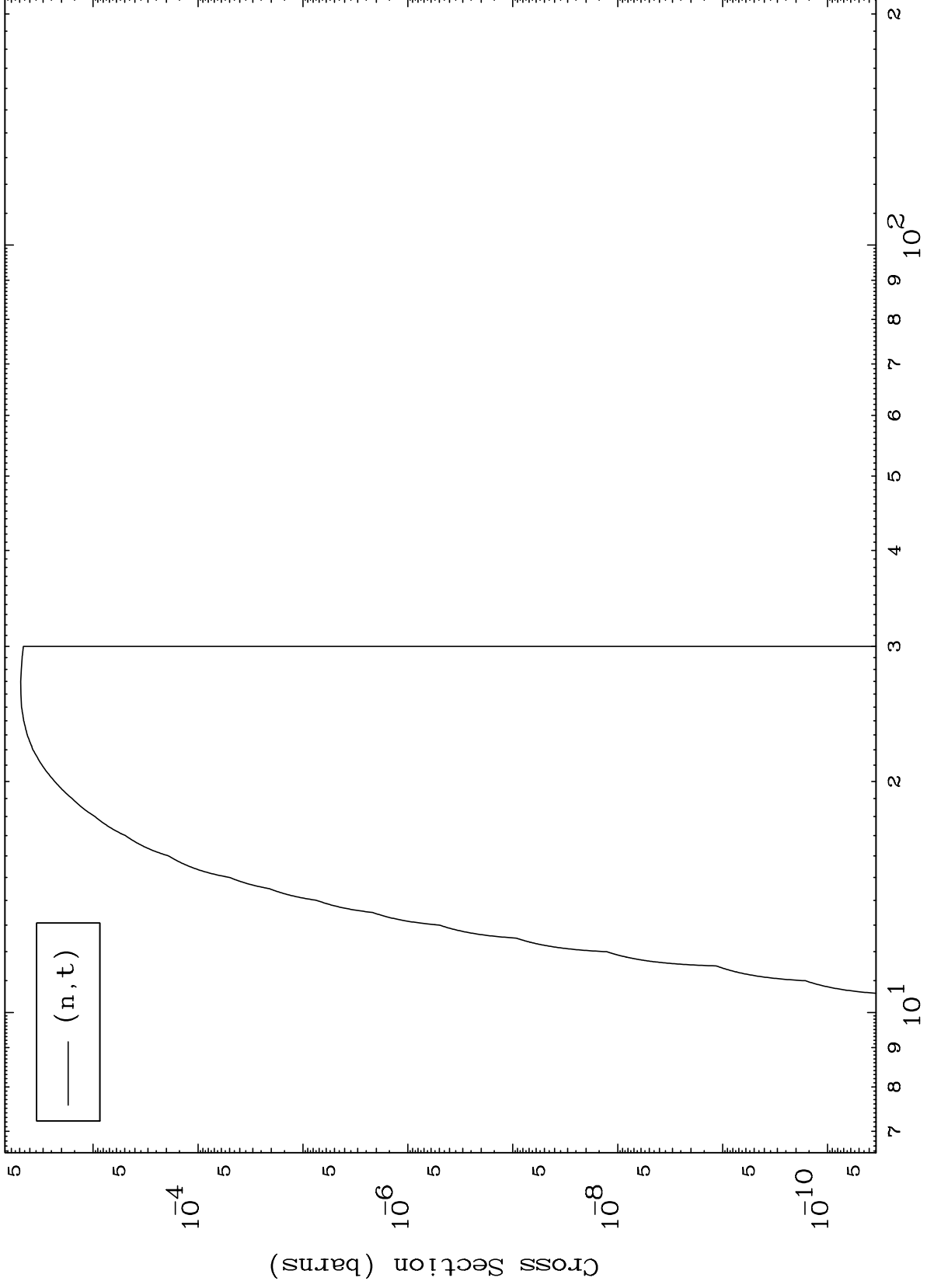
Incident Energy (MeV)

60-Nd-144

MAT 6031

(n,t) Levels  
293 Kelvin Cross Sections

60-Nd-144



12

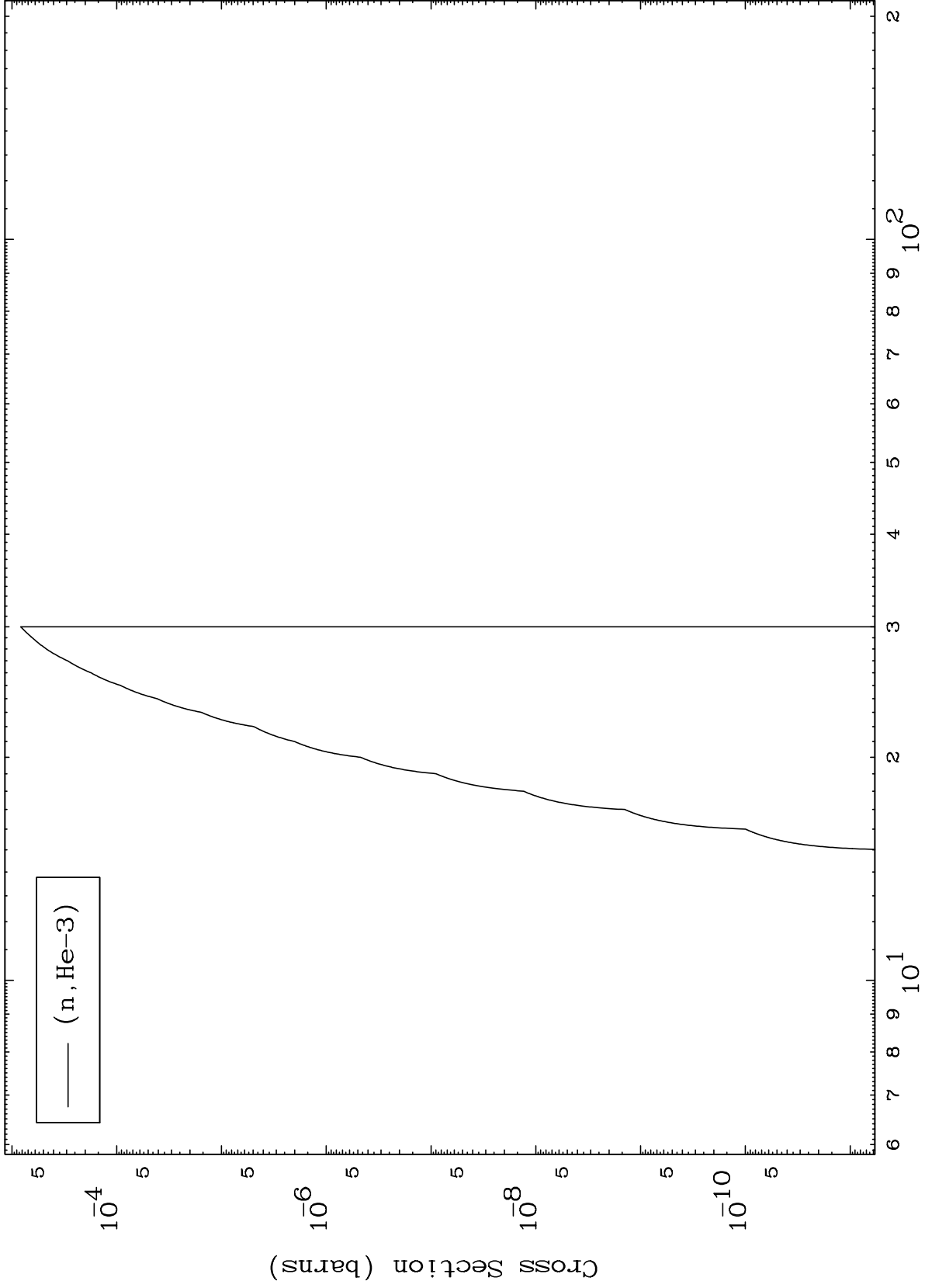
Incident Energy (MeV)

60-Nd-144

MAT 6031

(n,He3) Levels  
293 Kelvin Cross Sections

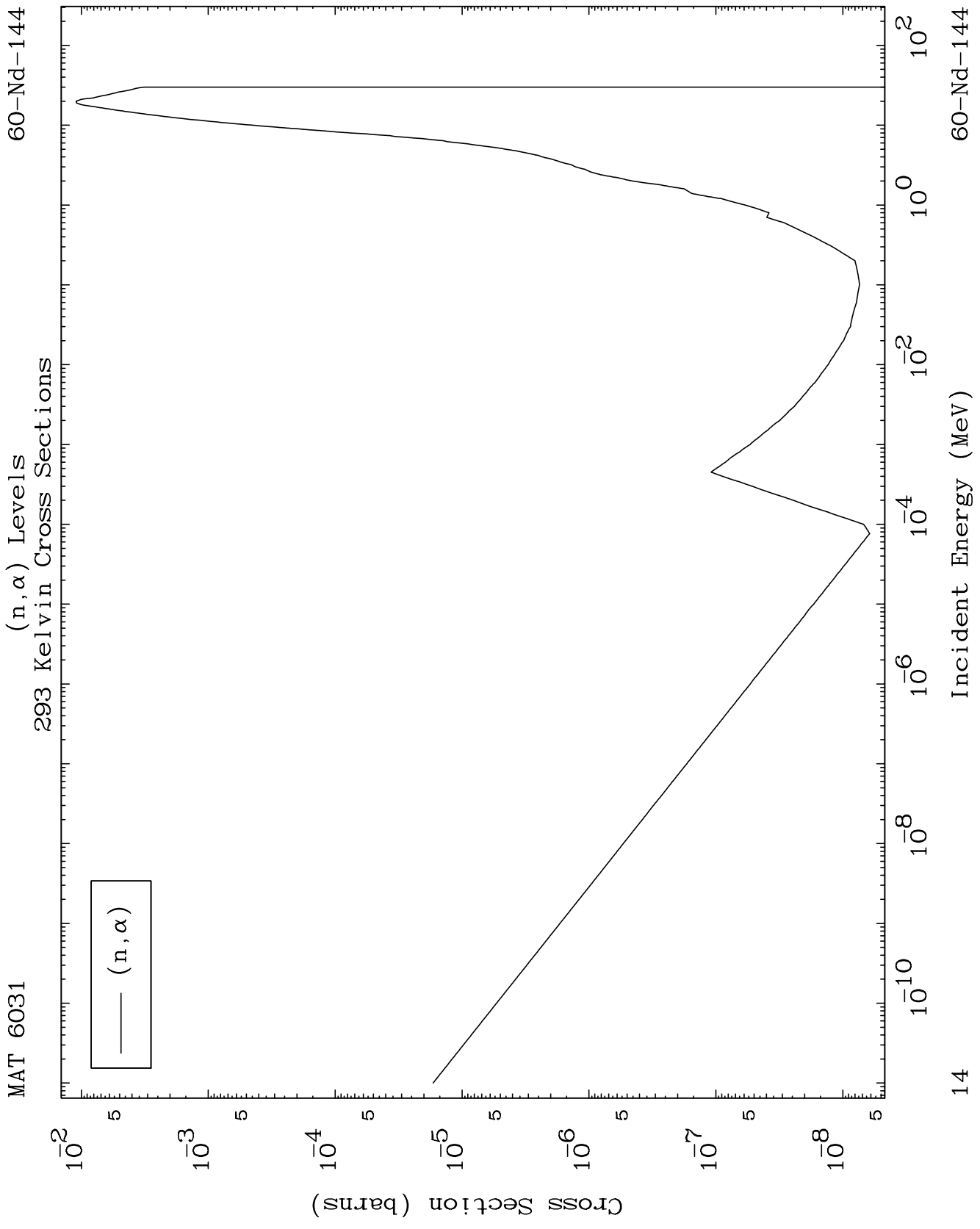
60-Nd-144

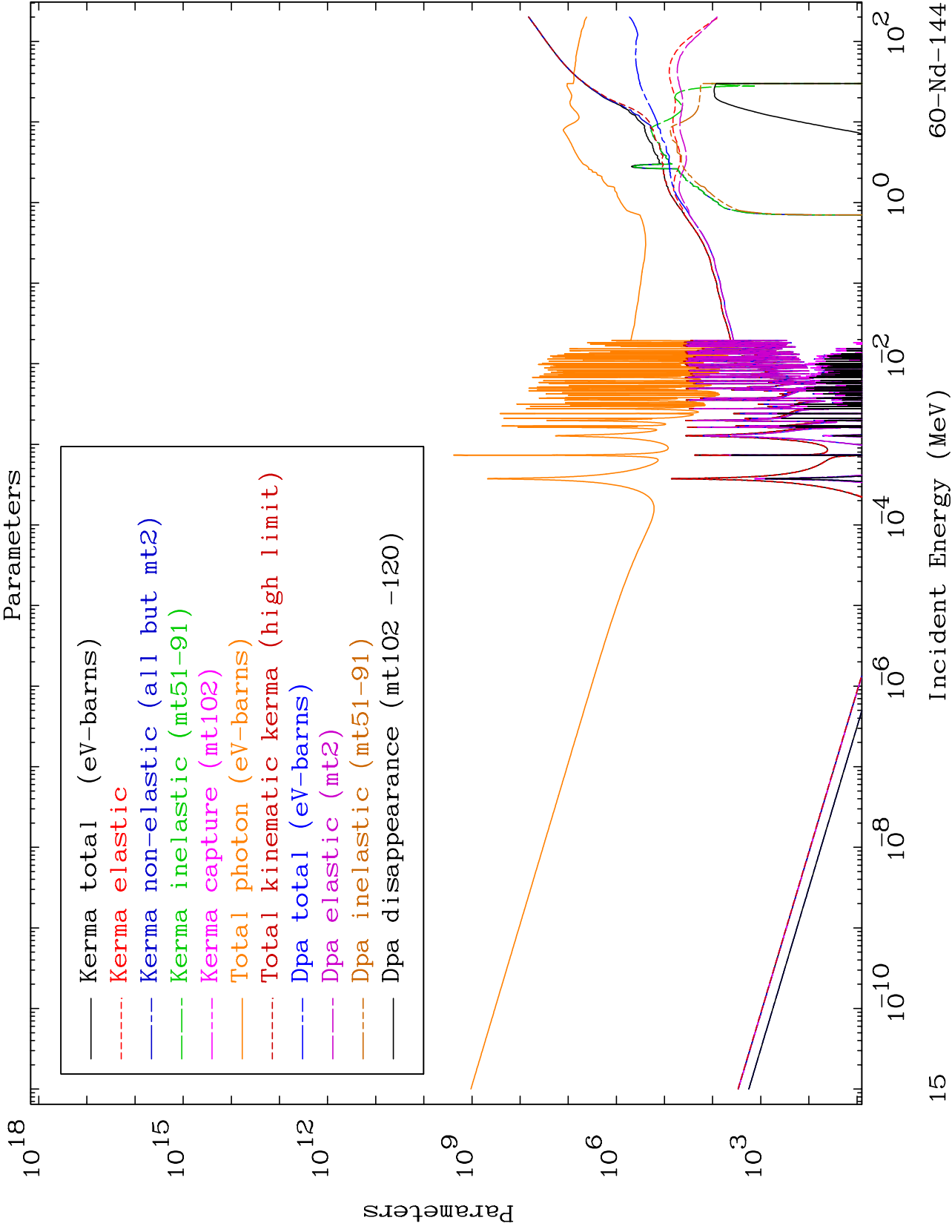


13

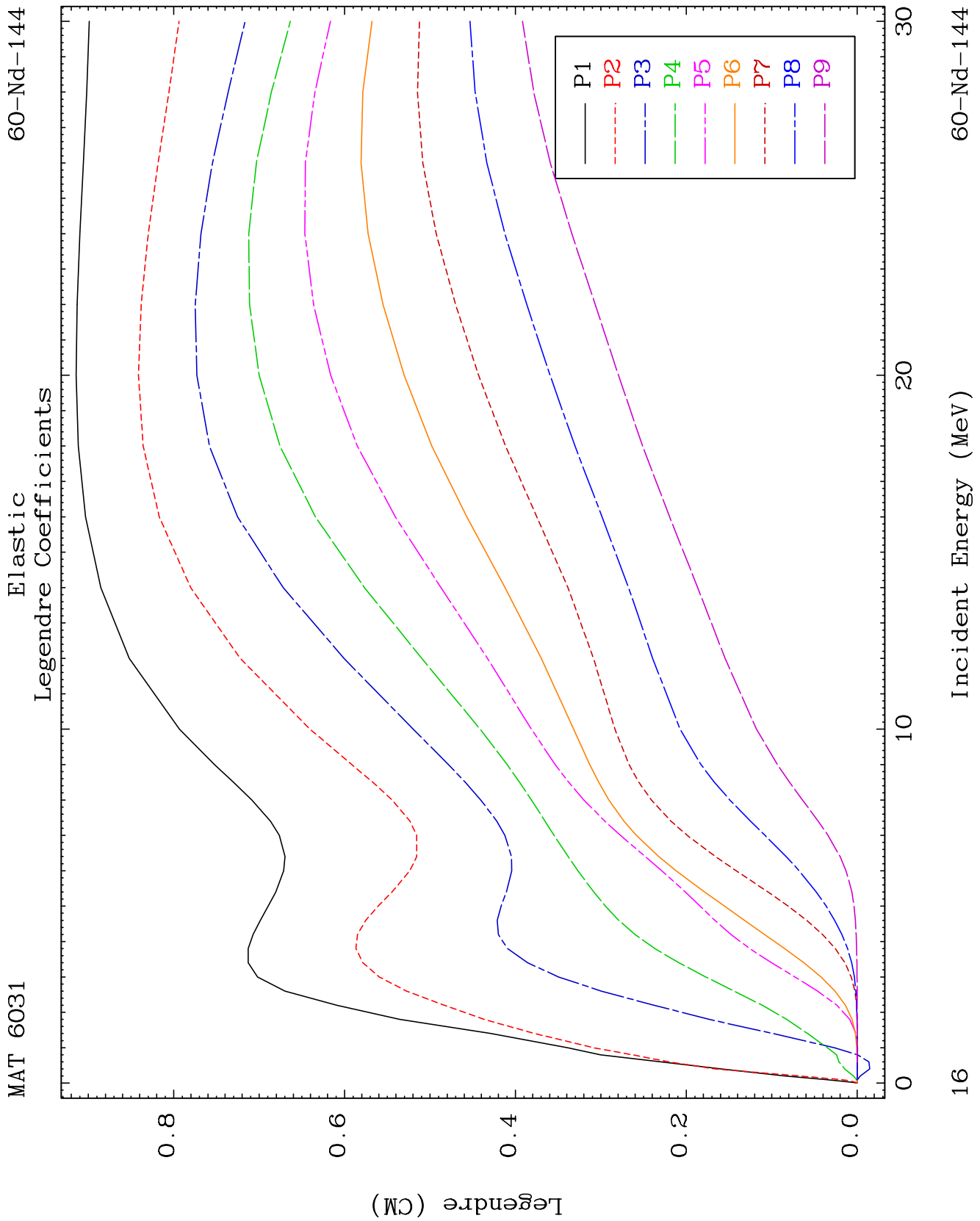
Incident Energy (MeV)

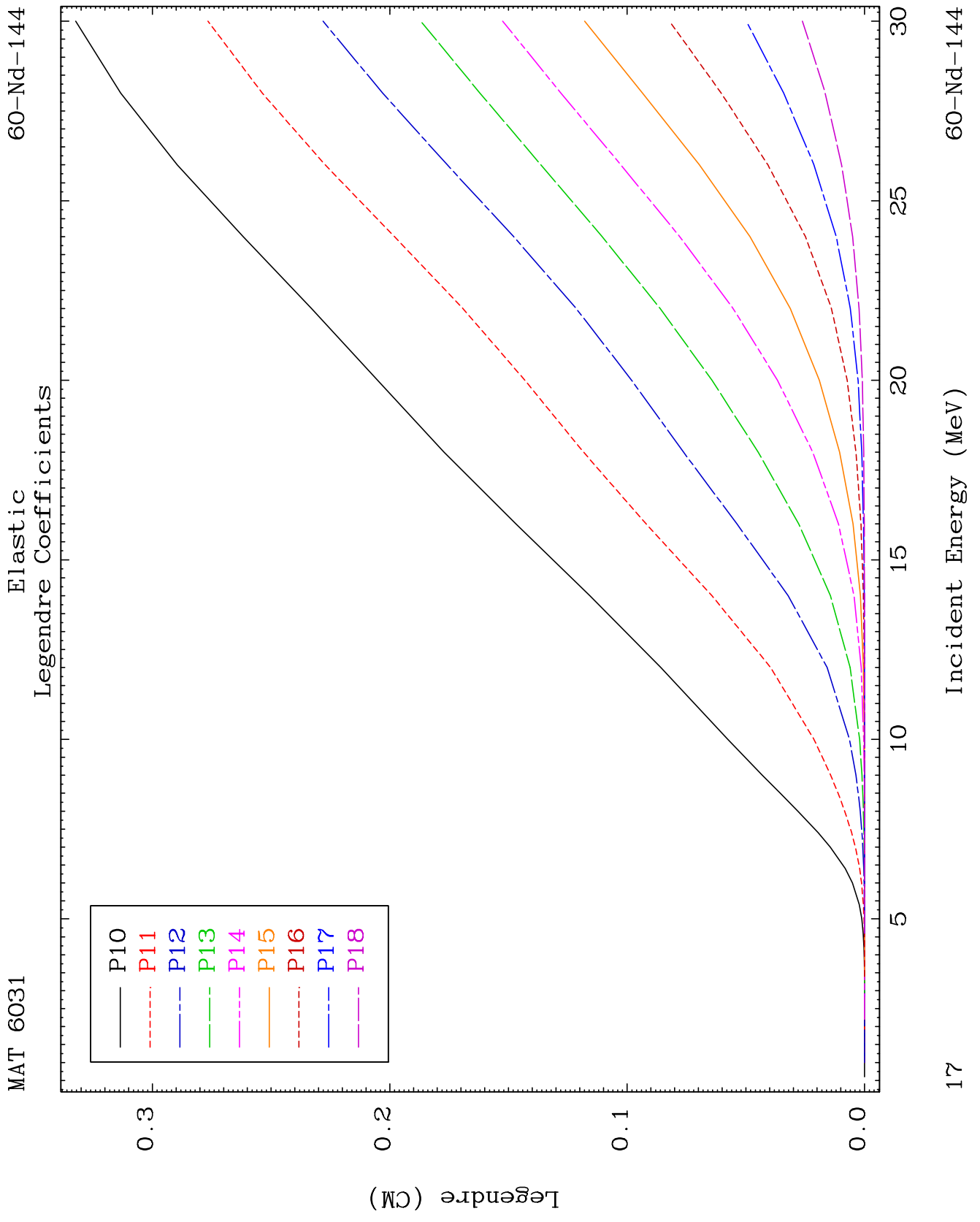
60-Nd-144







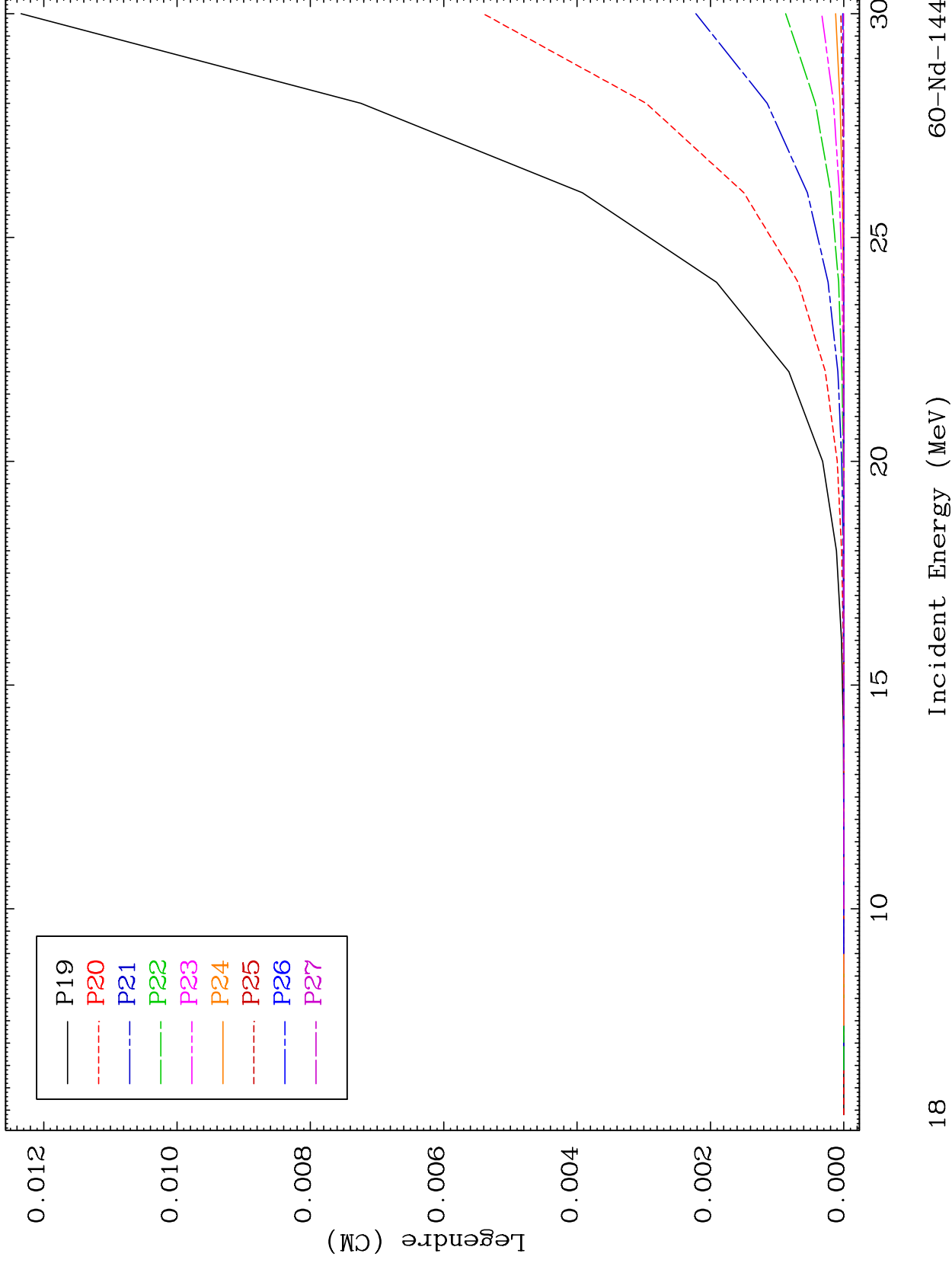




MAT 6031

### Elastic Legendre Coefficients

60-Nd-144



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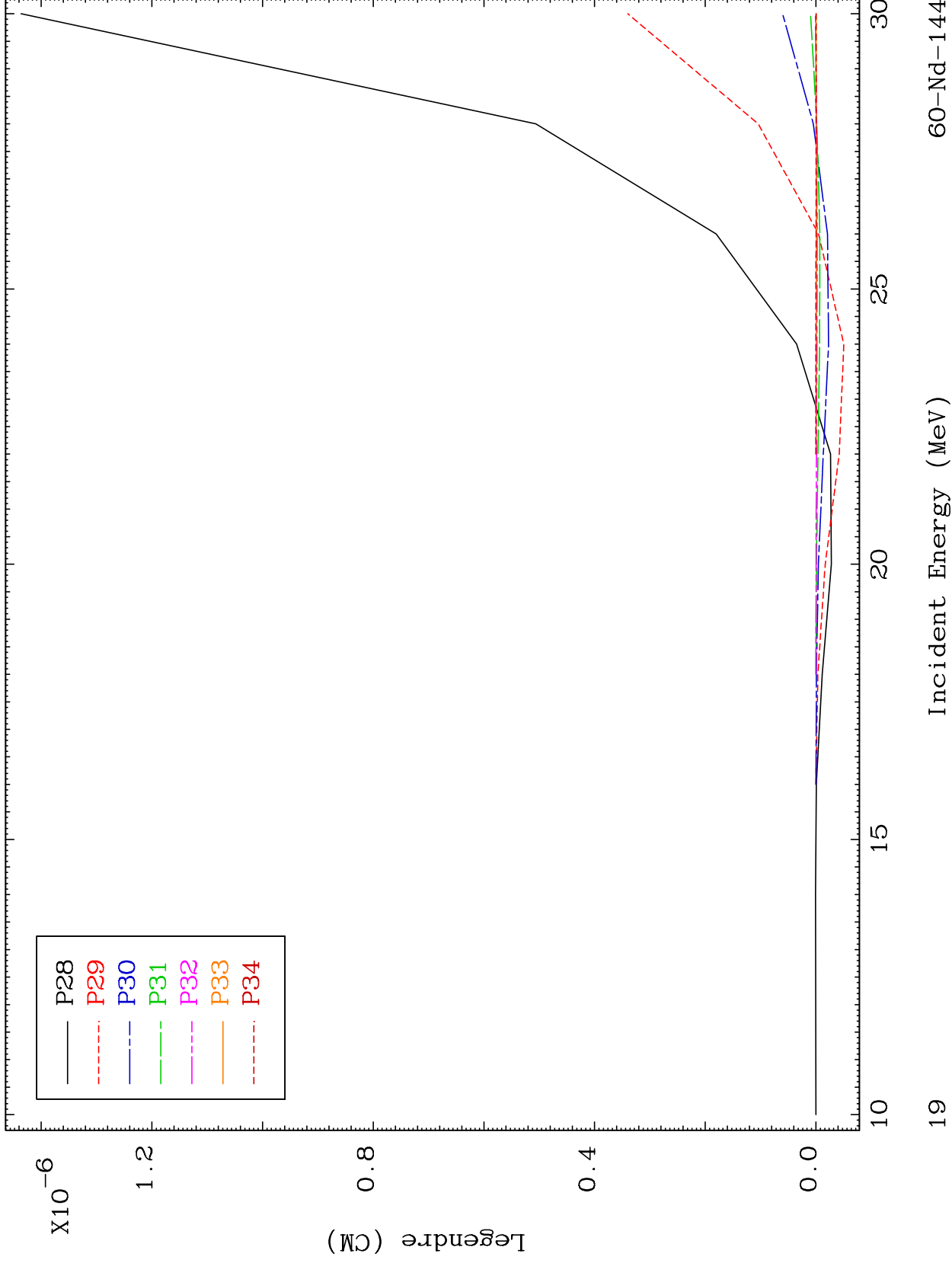
Incident Energy (MeV)

60-Nd-144

MAT 6031

Elastic Legendre Coefficients

60-Nd-144



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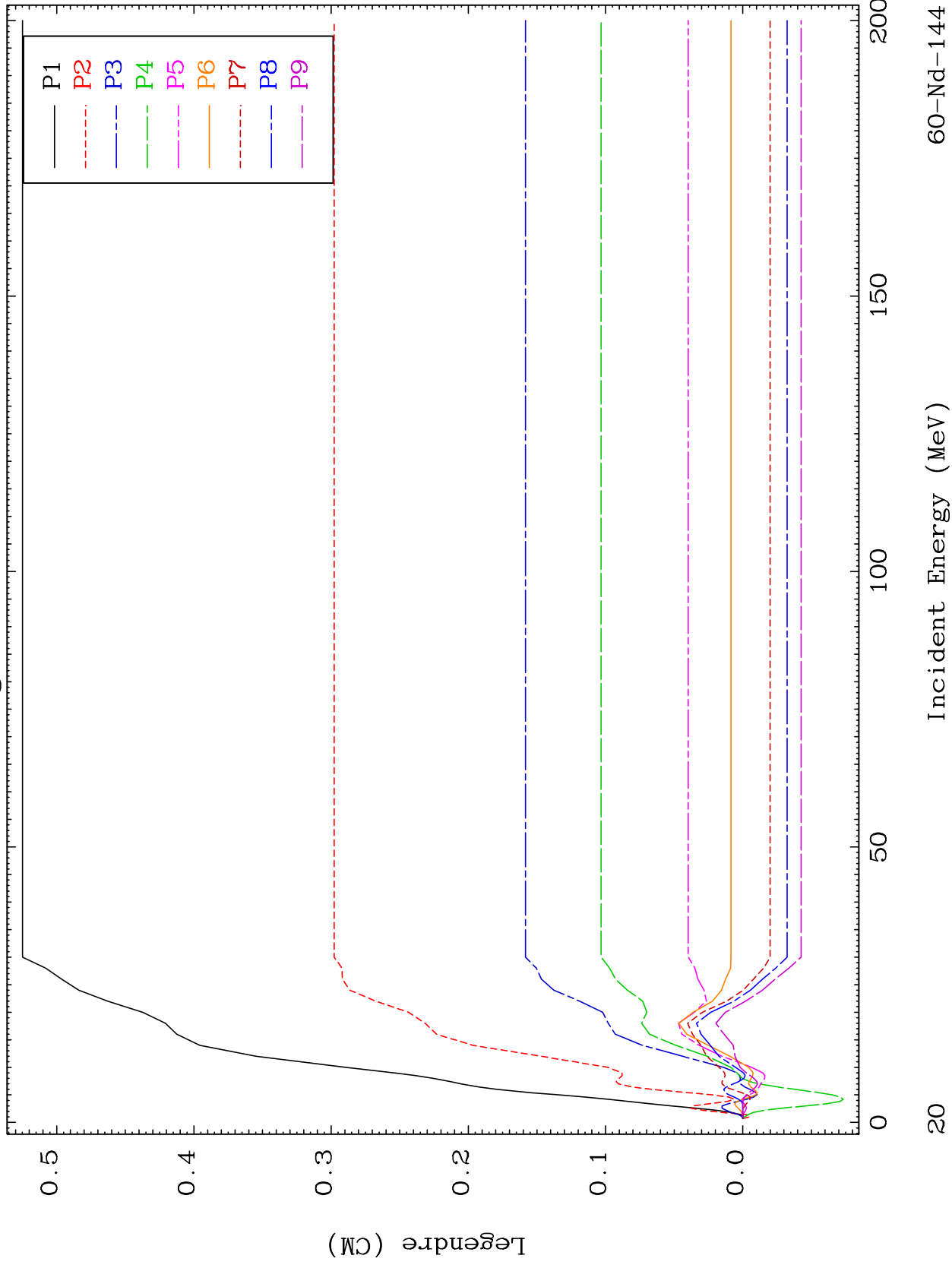
Incident Energy (MeV)

60-Nd-144

MAT 6031

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

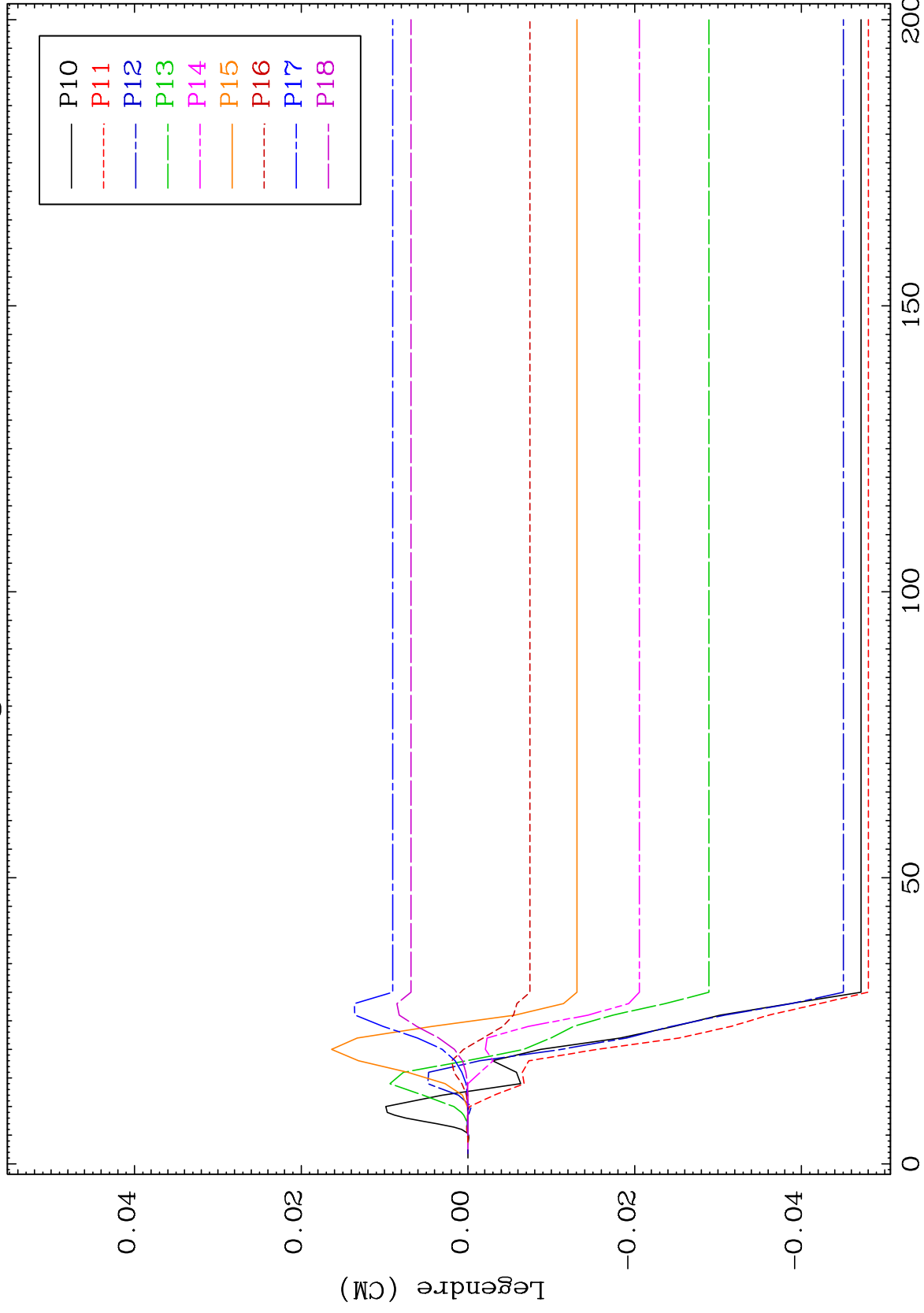
60-Nd-144



MAT 6031

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

60-Nd-144



21

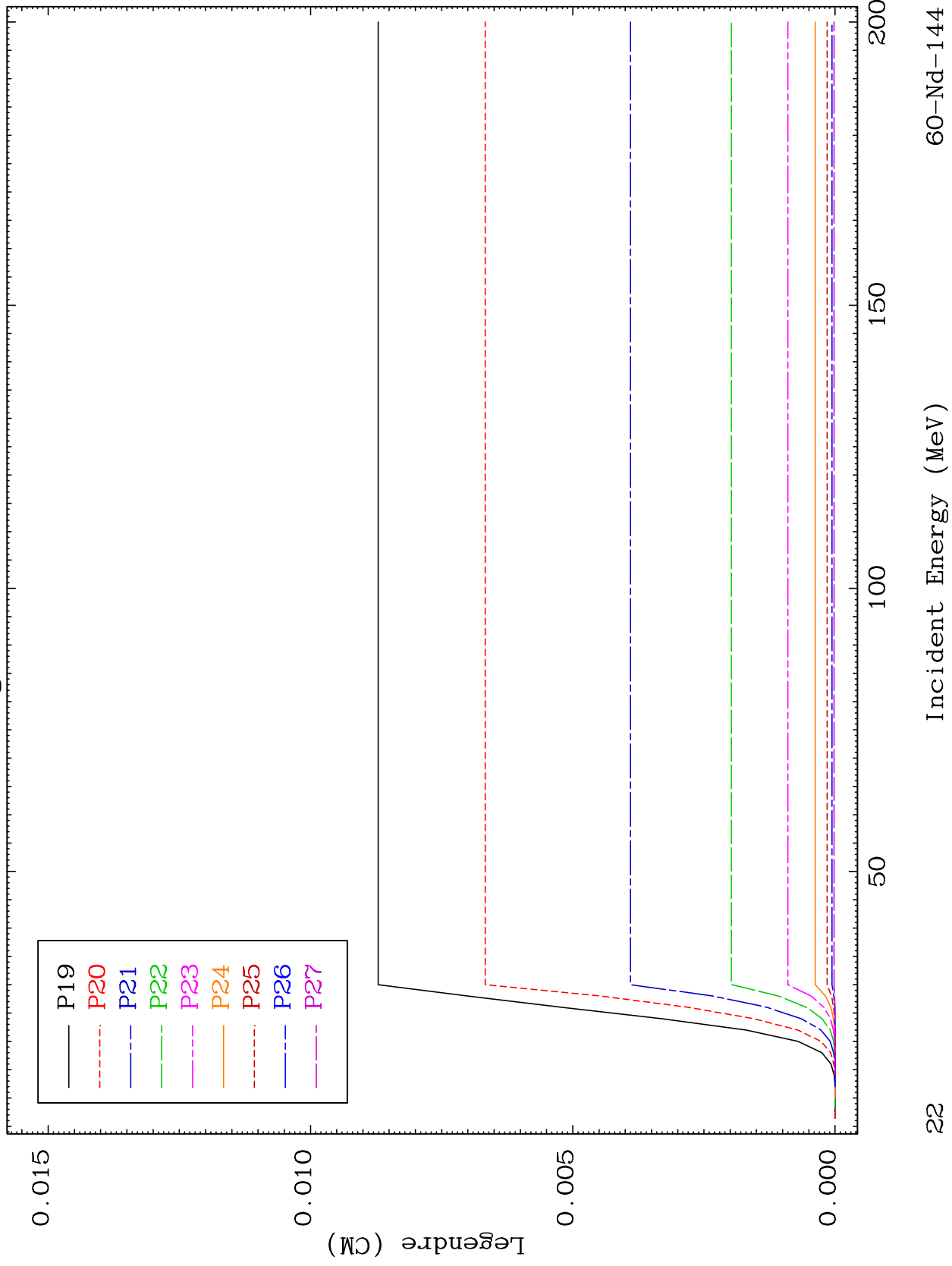
Incident Energy (MeV)

60-Nd-144

MAT 6031

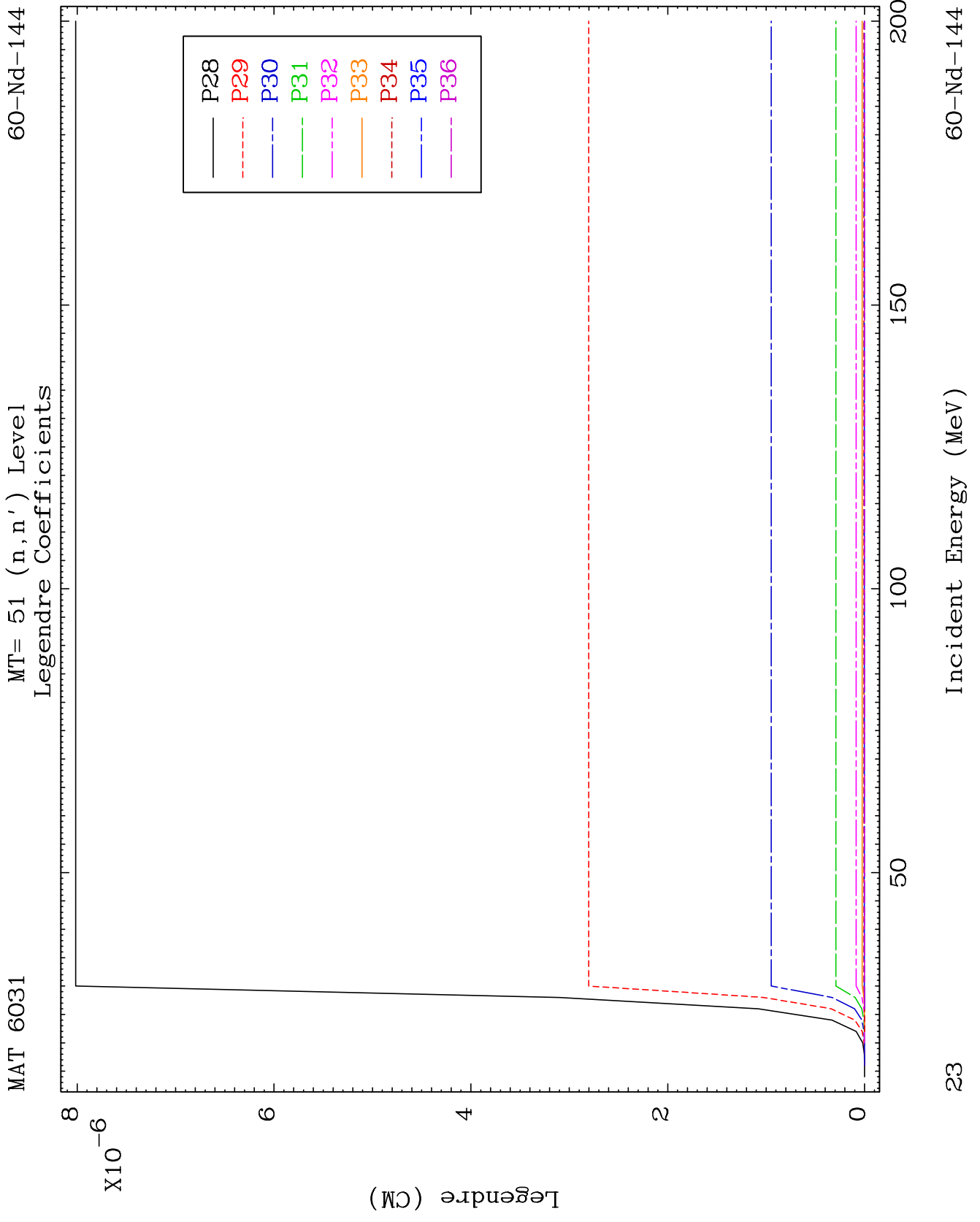
MT= 51 (n,n') Level  
Legendre Coefficients

60-Nd-144

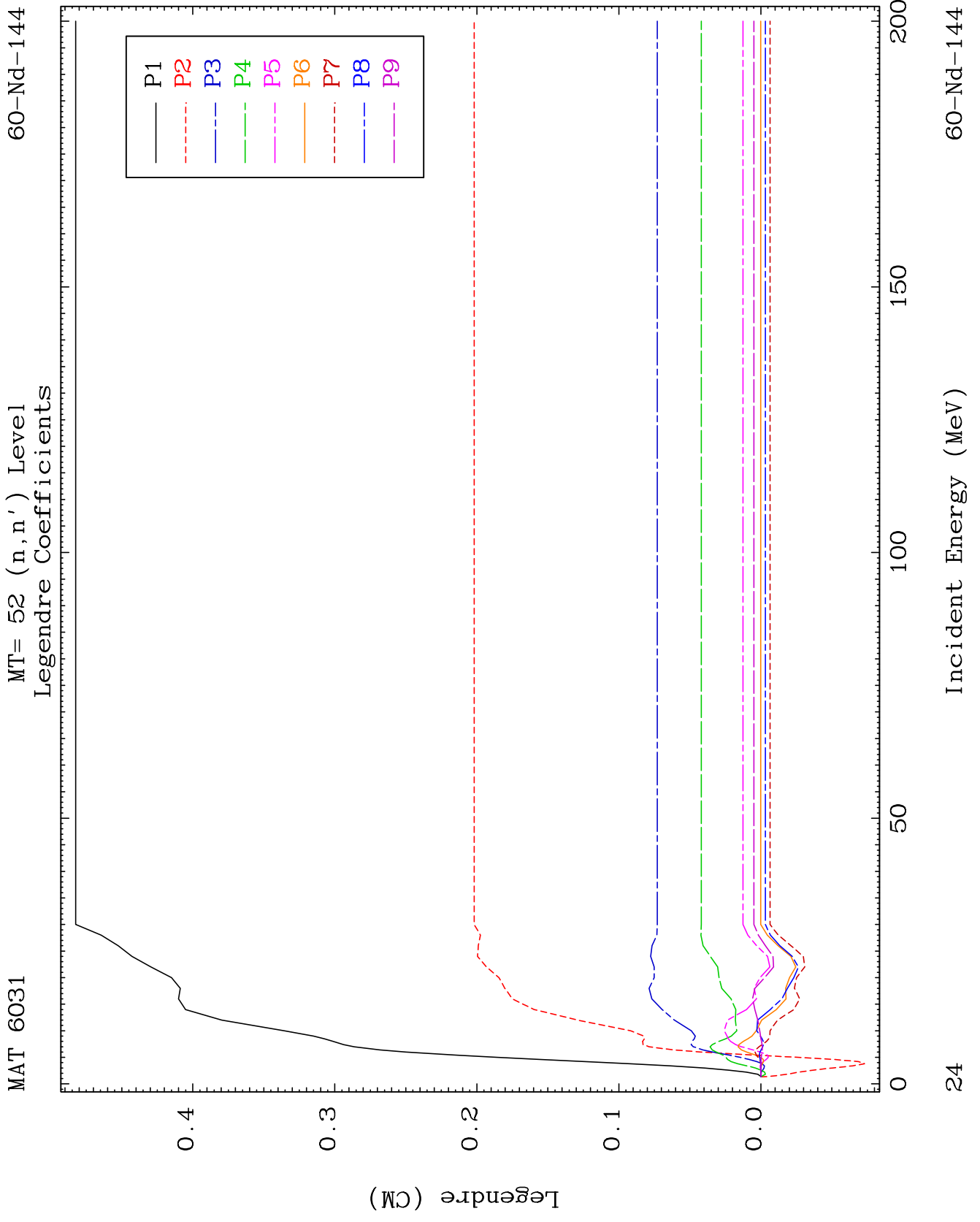


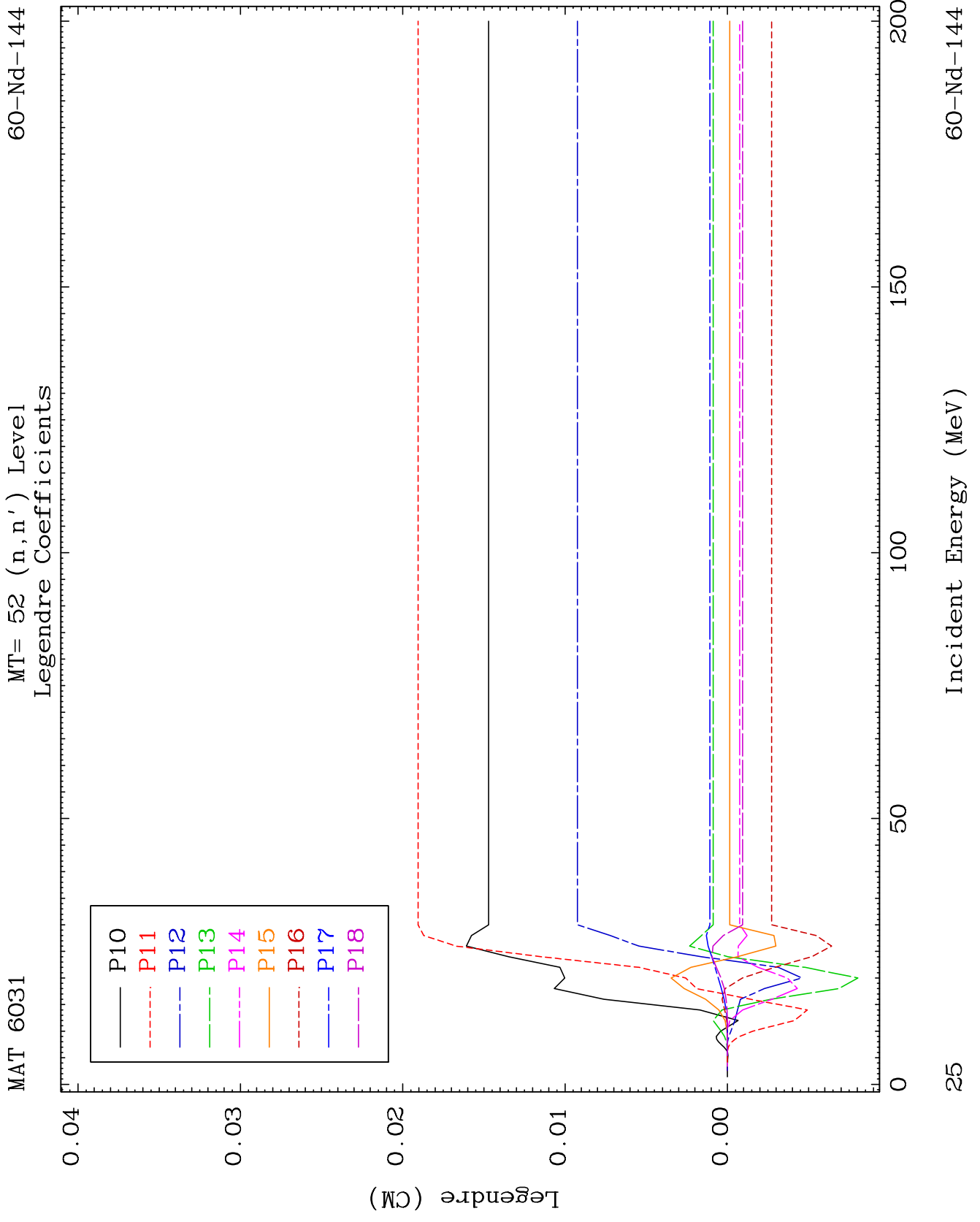
22

60-Nd-144





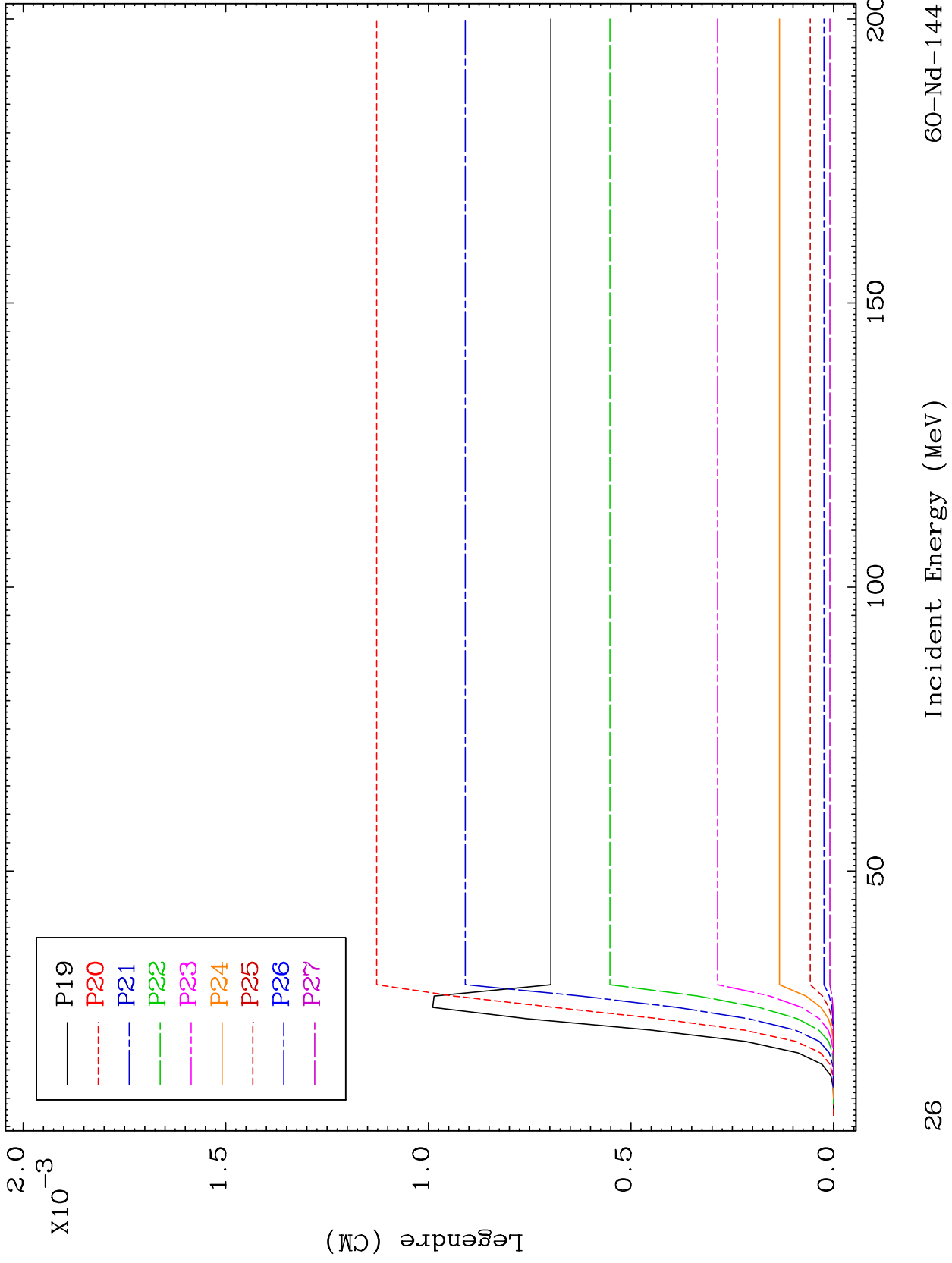




MAT 6031

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

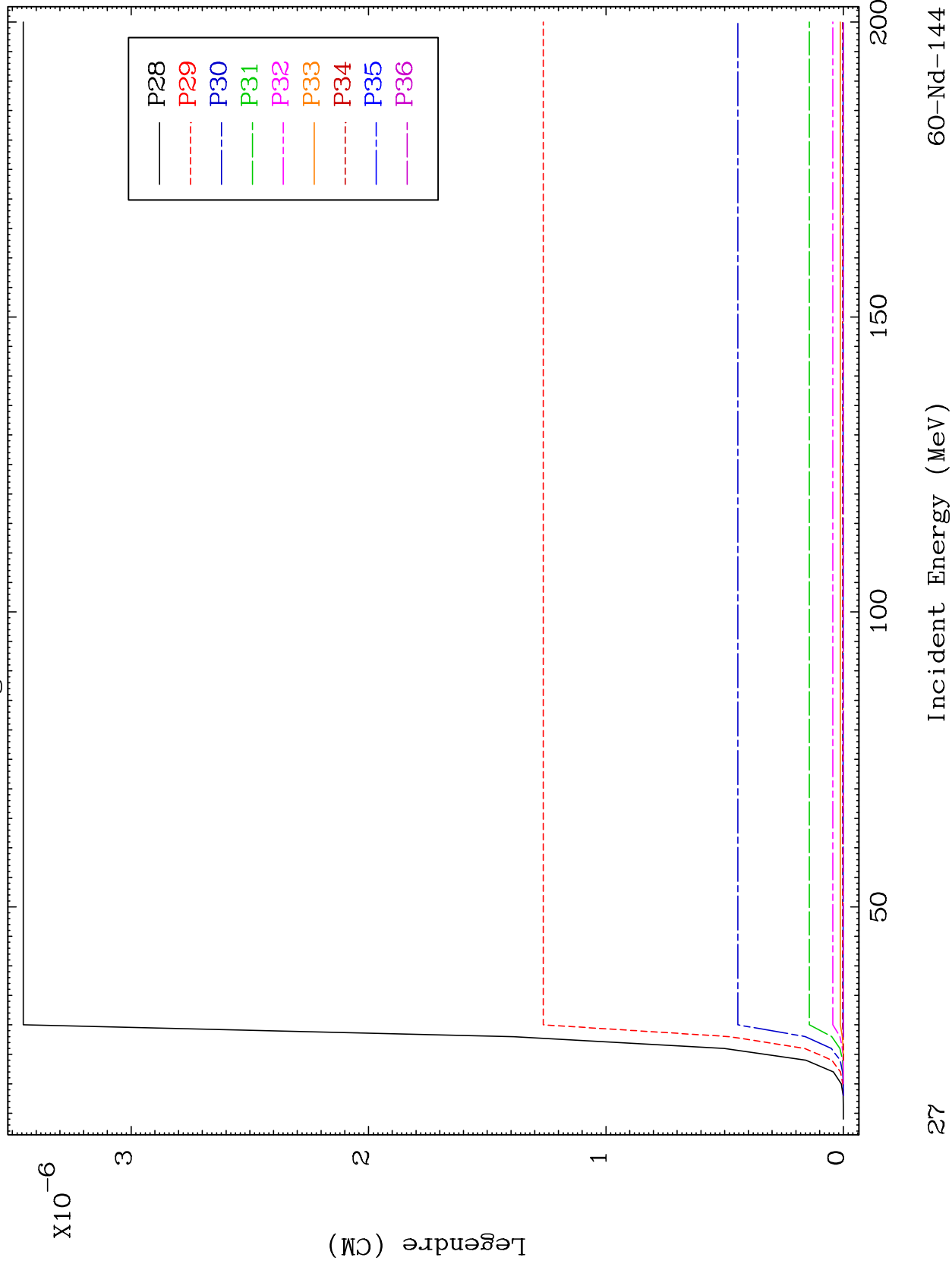
60-Nd-144



MAT 6031

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

60-Nd-144



27

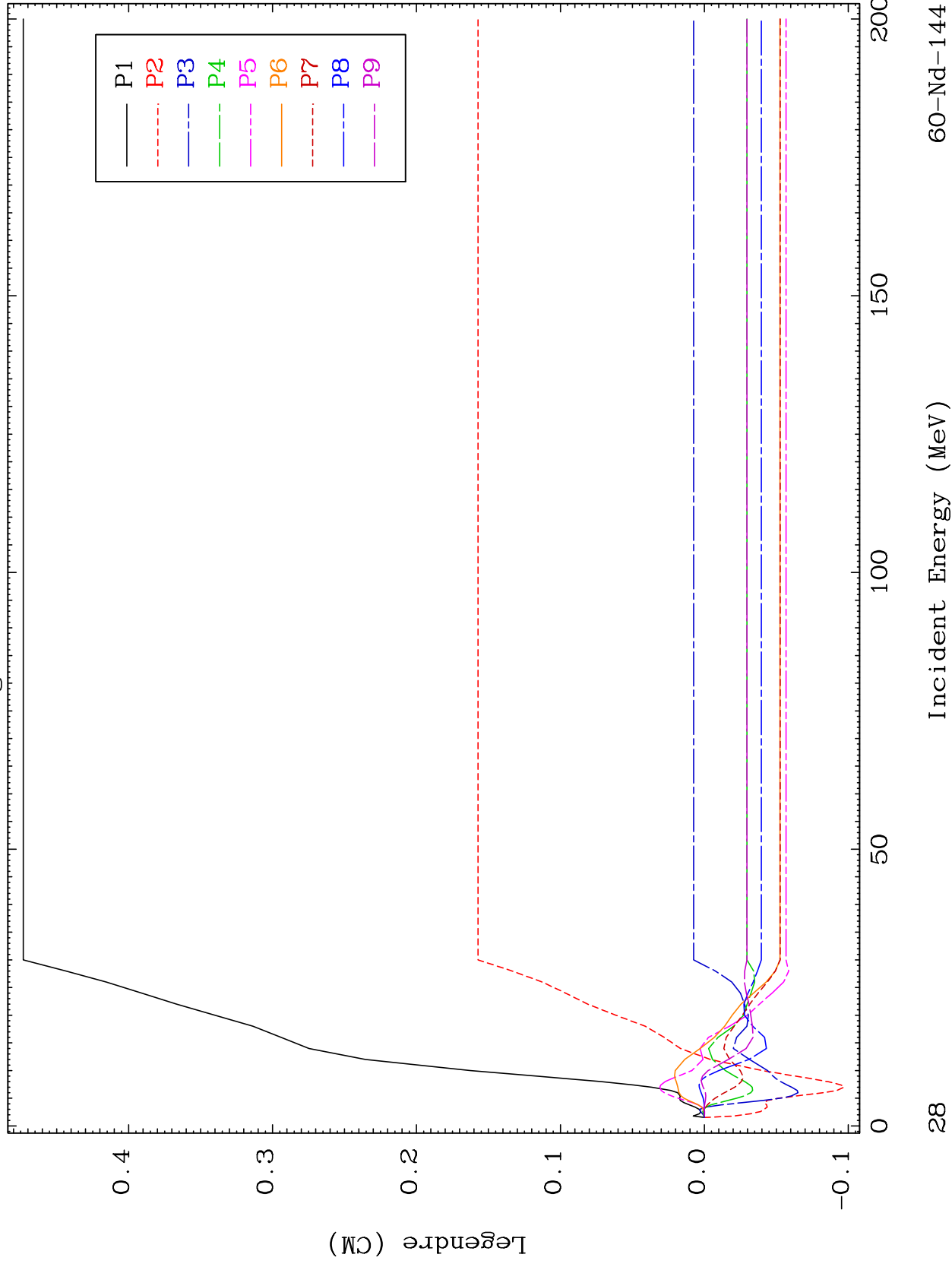
Incident Energy (MeV)

60-Nd-144

MAT 6031

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

60-Nd-144



60-Nd-144

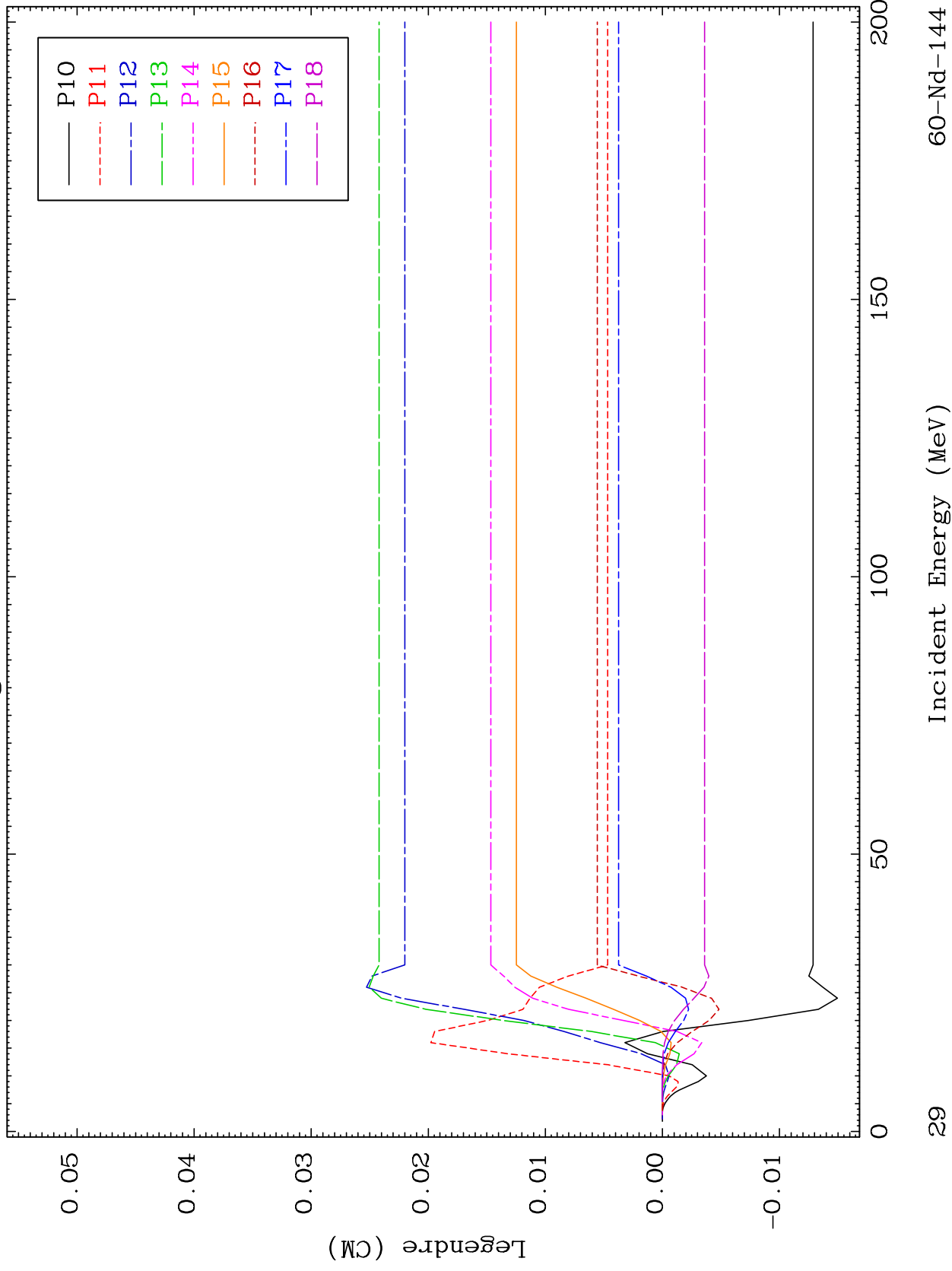
Incident Energy (MeV)

28

MAT 6031

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

60-Nd-144



29

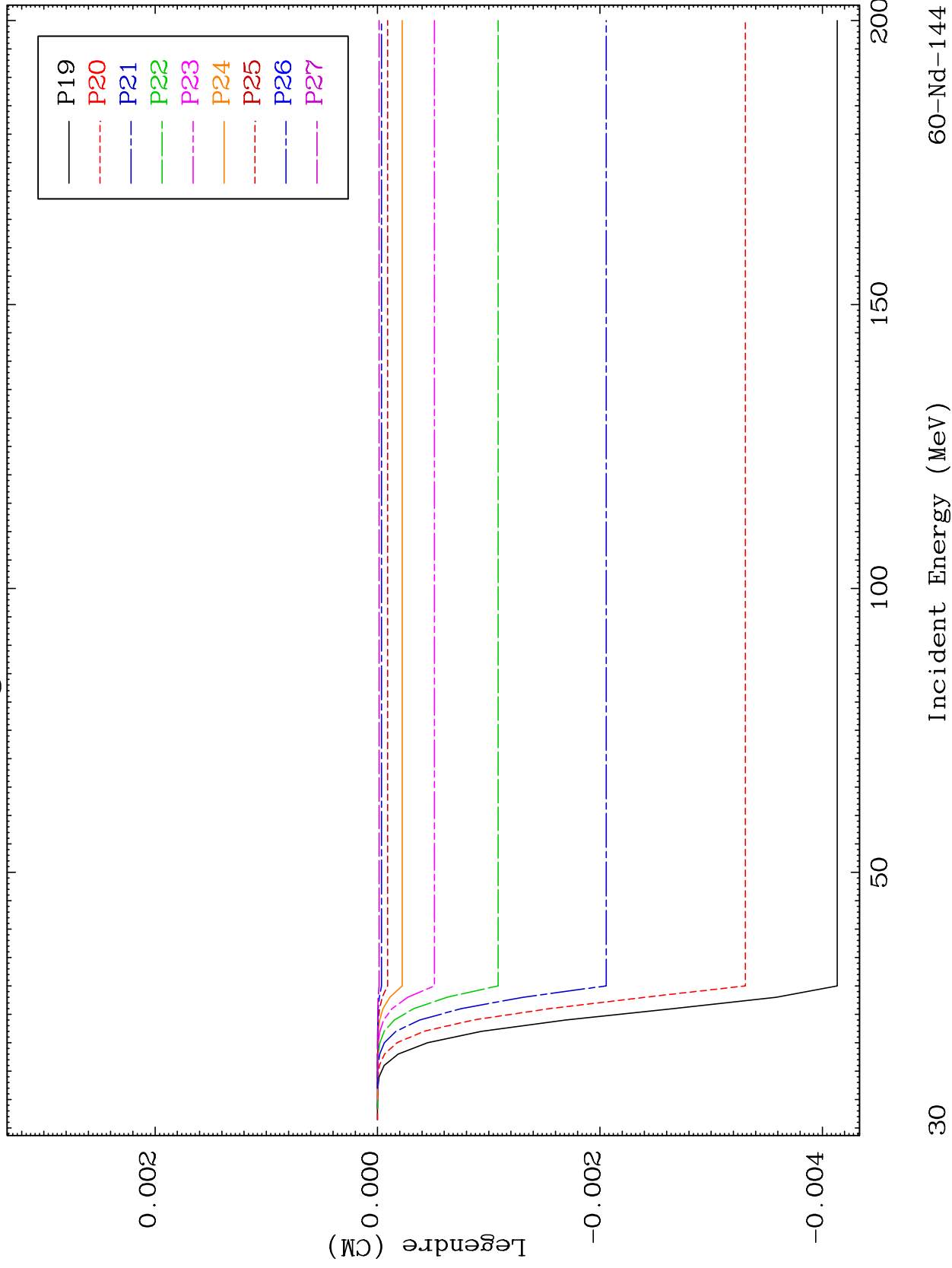
Incident Energy (MeV)

60-Nd-144

MAT 6031

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

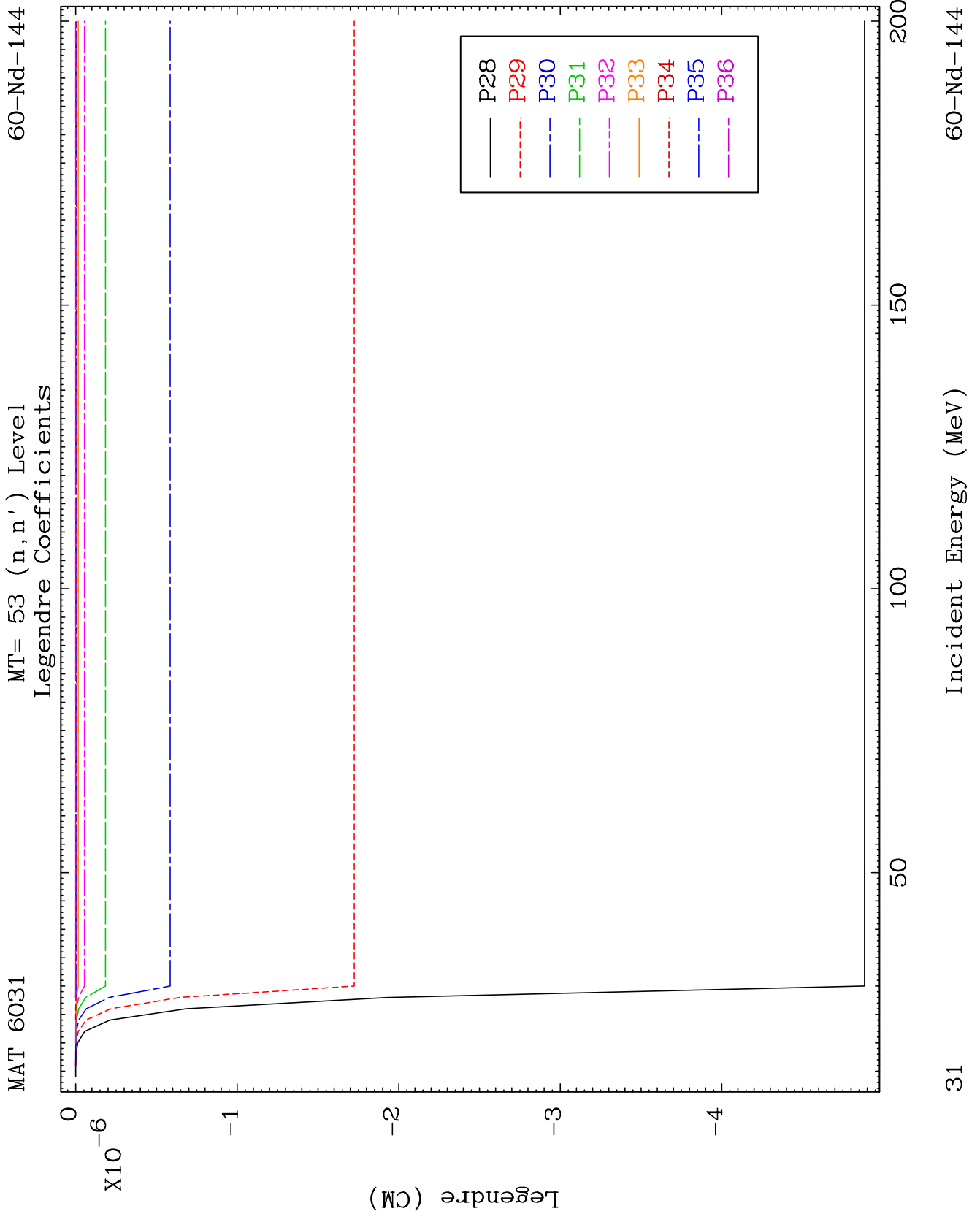
60-Nd-144



30

Incident Energy (MeV)

60-Nd-144

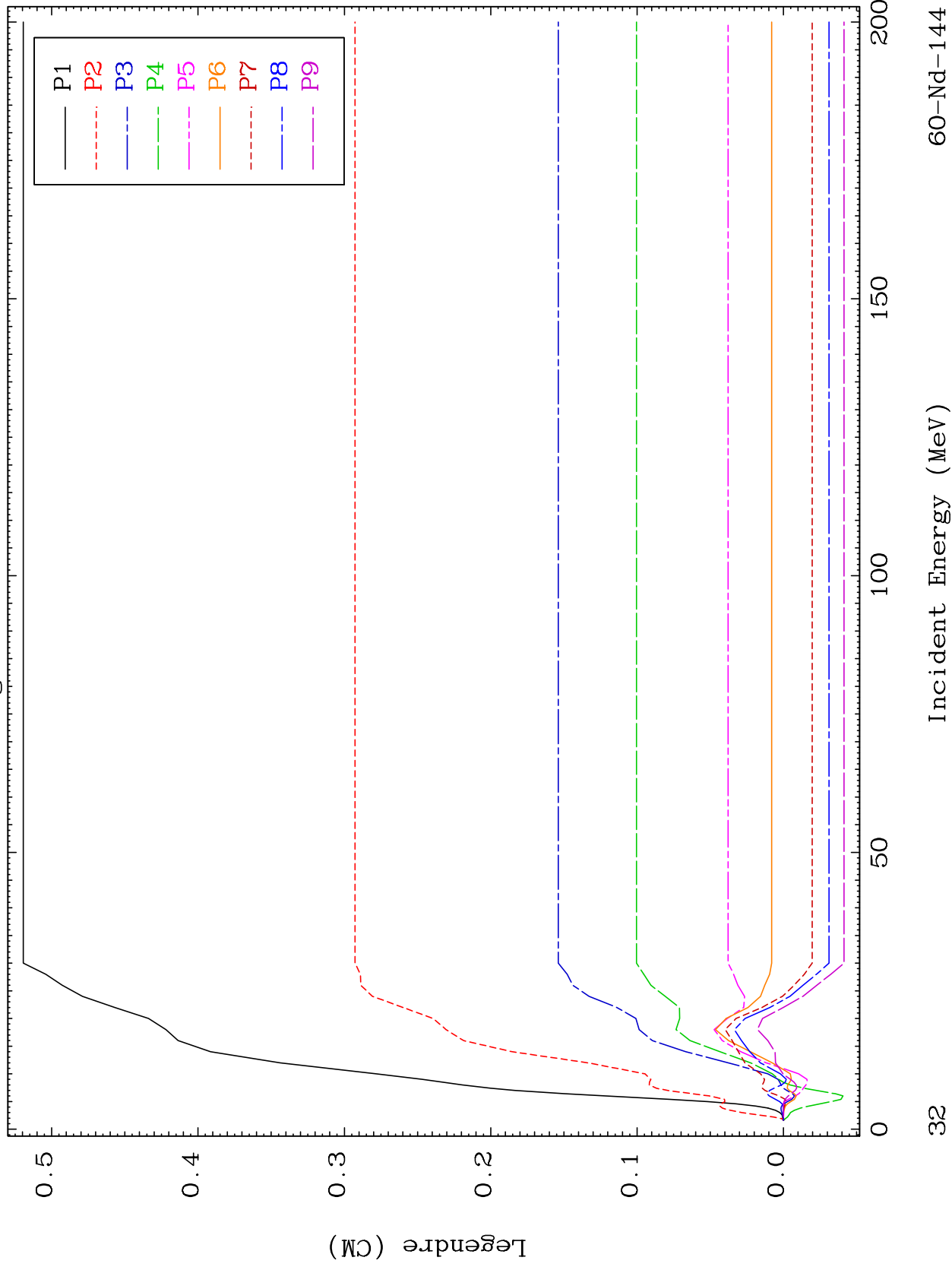




MAT 6031

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

60-Nd-144



60-Nd-144

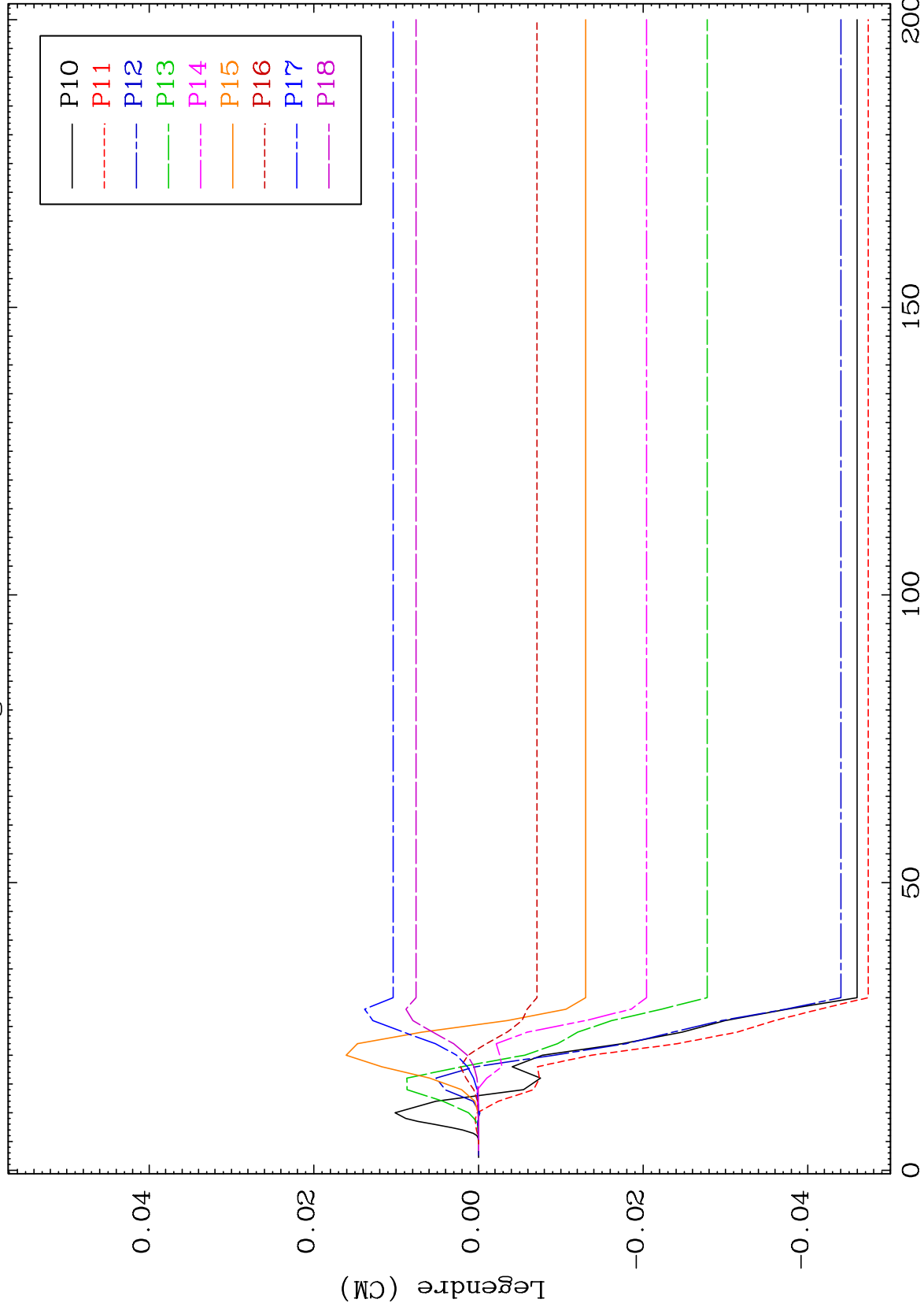
Incident Energy (MeV)

32

MAT 6031

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

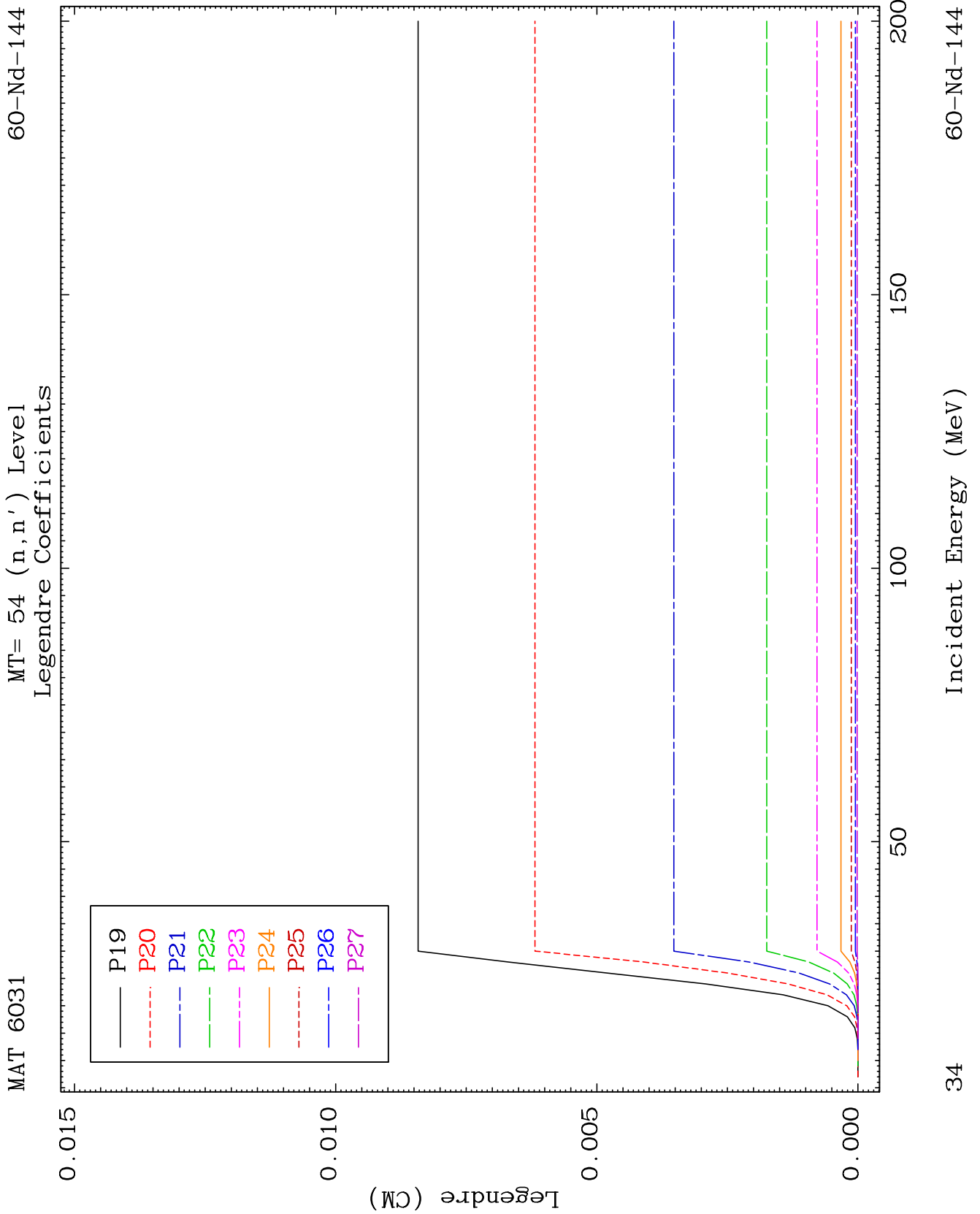
60-Nd-144



33

Incident Energy (MeV)

60-Nd-144

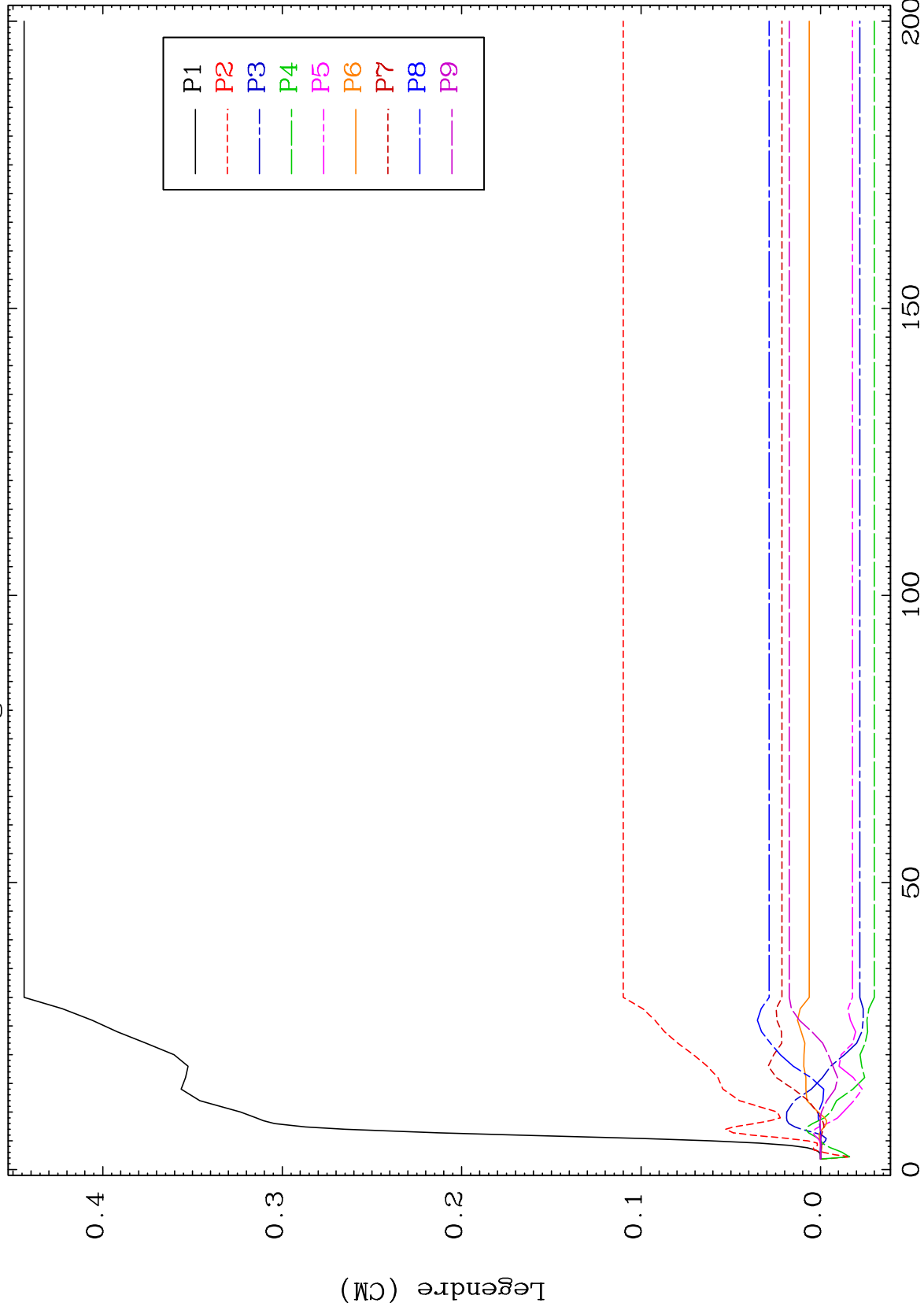




MAT 6031

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

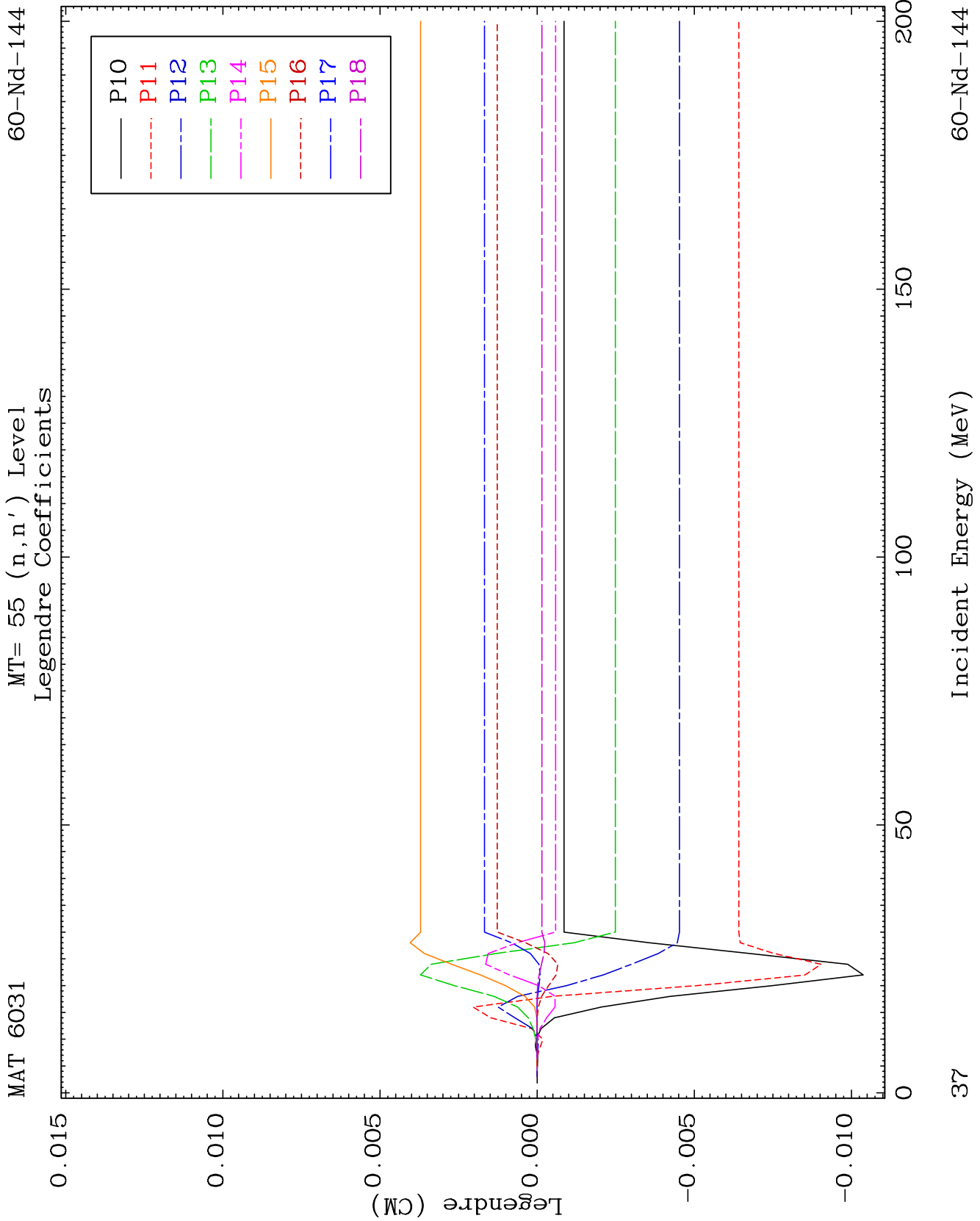
60-Nd-144

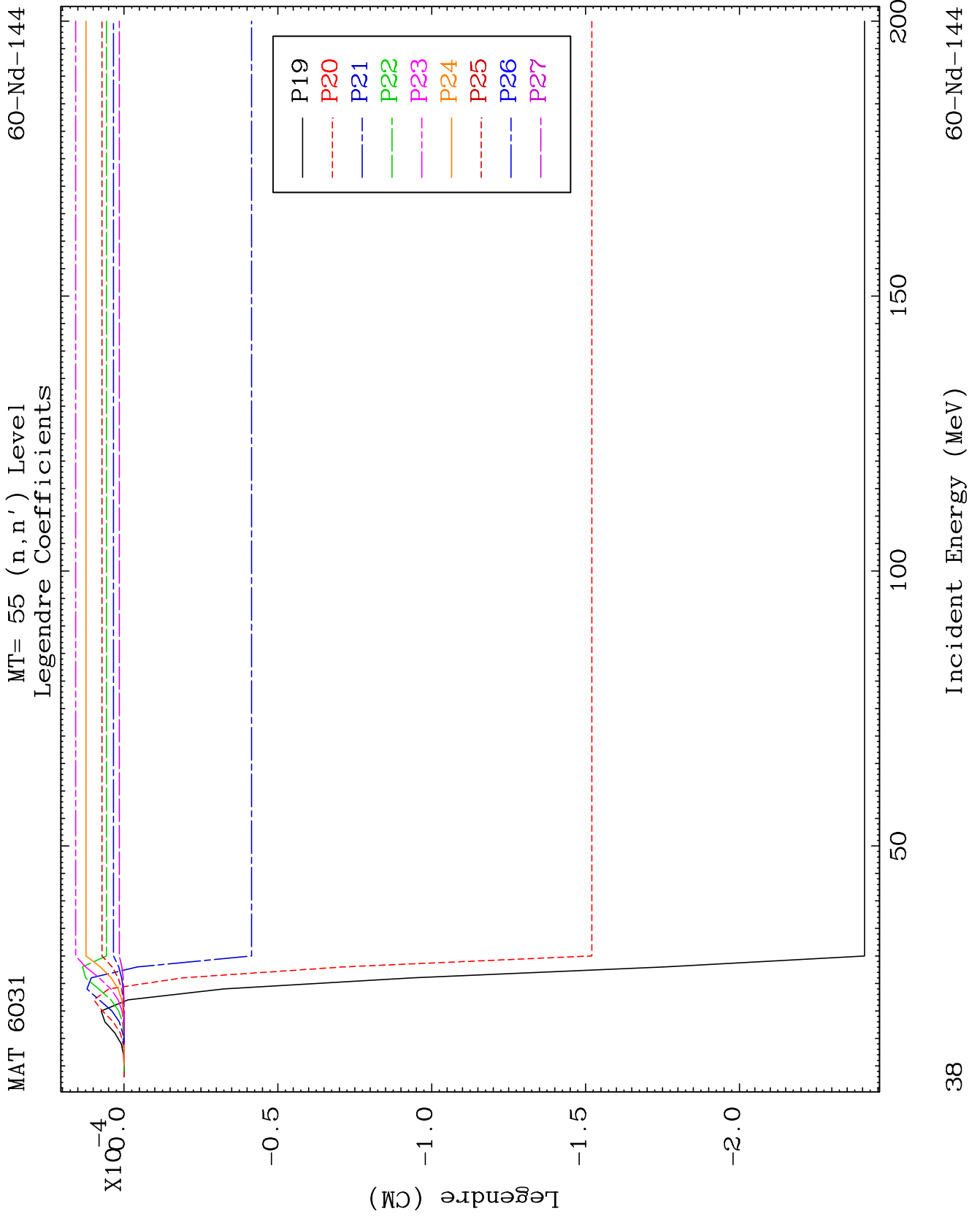


60-Nd-144

Incident Energy (MeV)

36

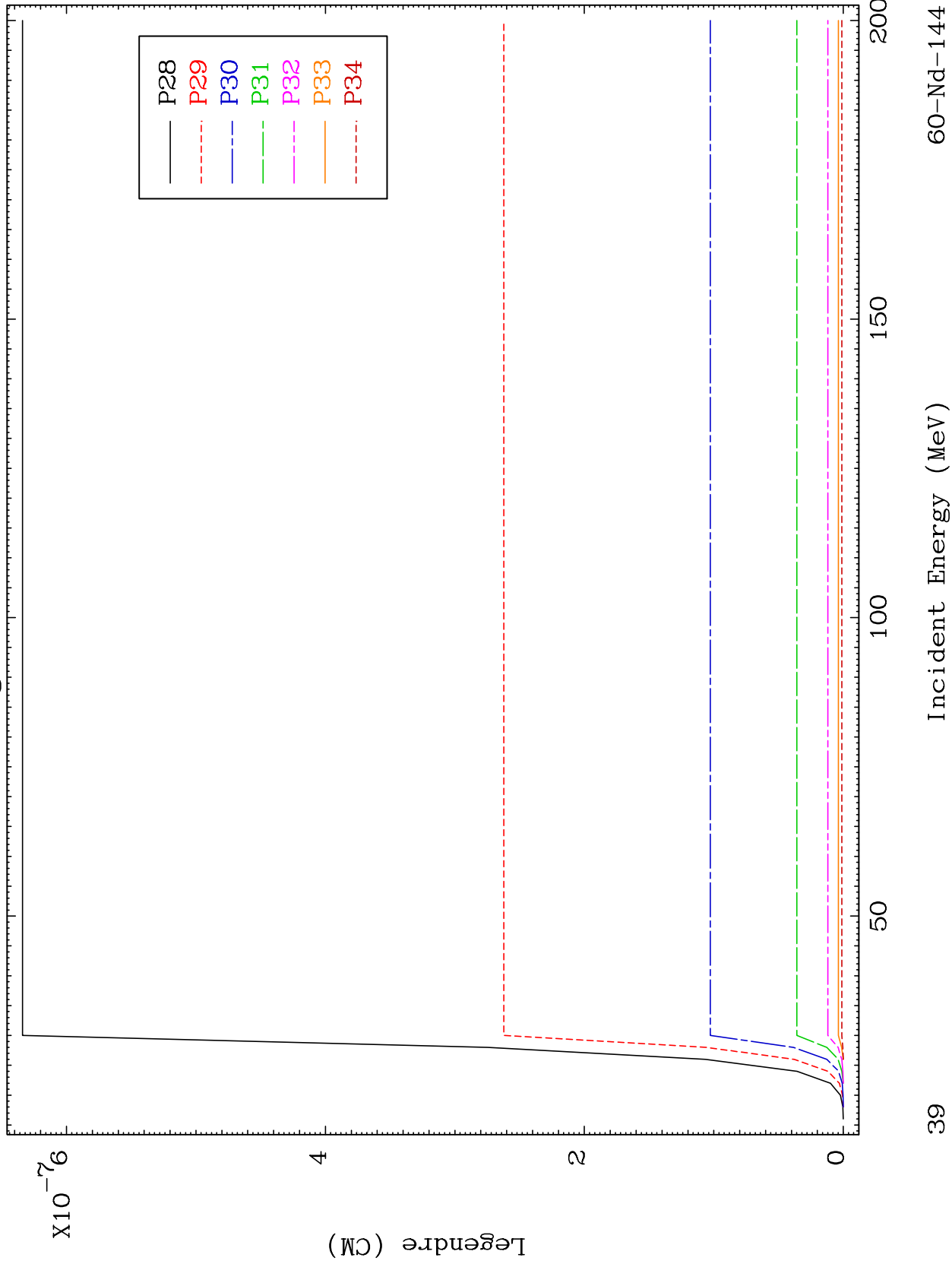




MAT 6031

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

60-Nd-144

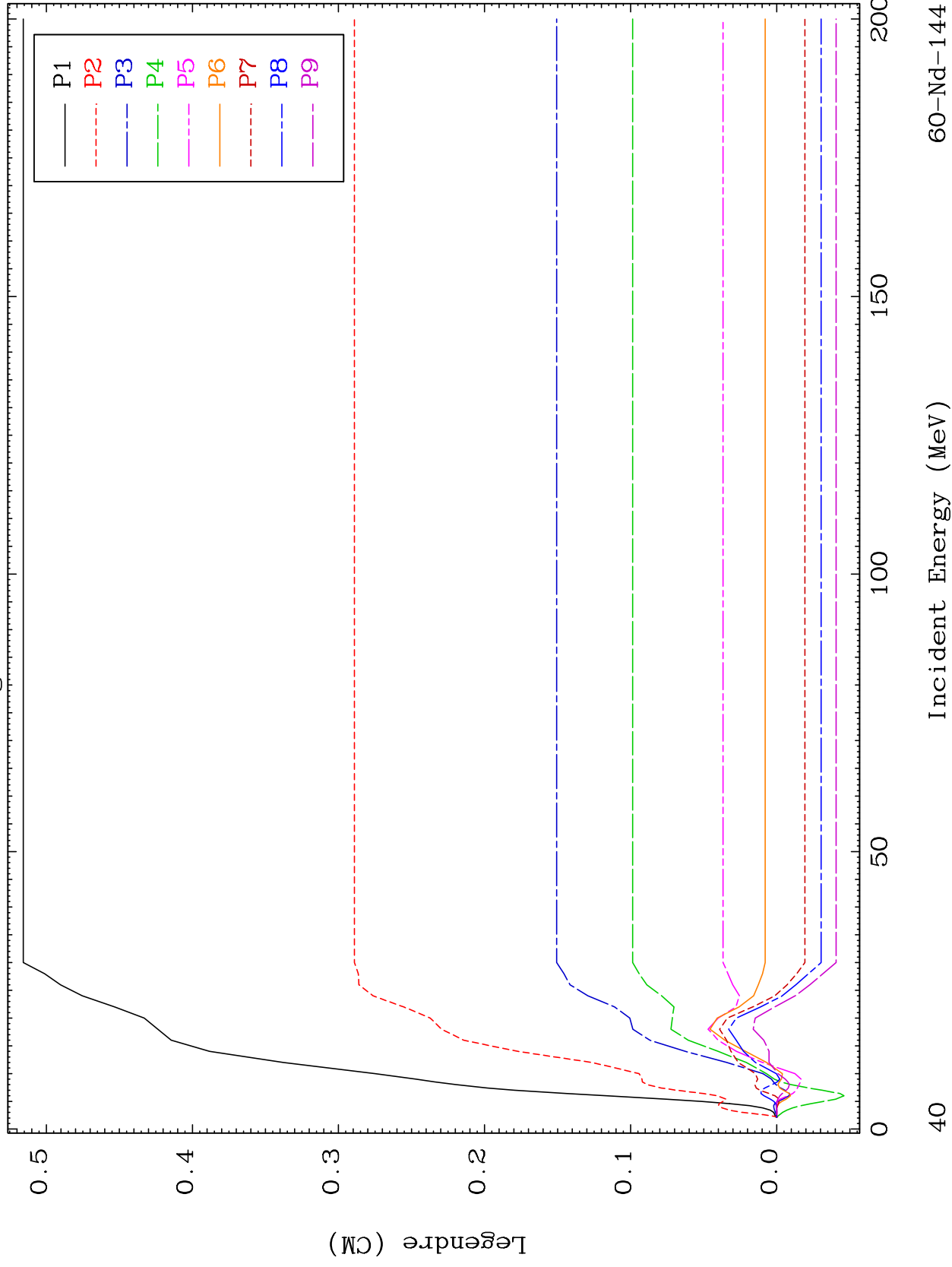




MAT 6031

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

60-Nd-144



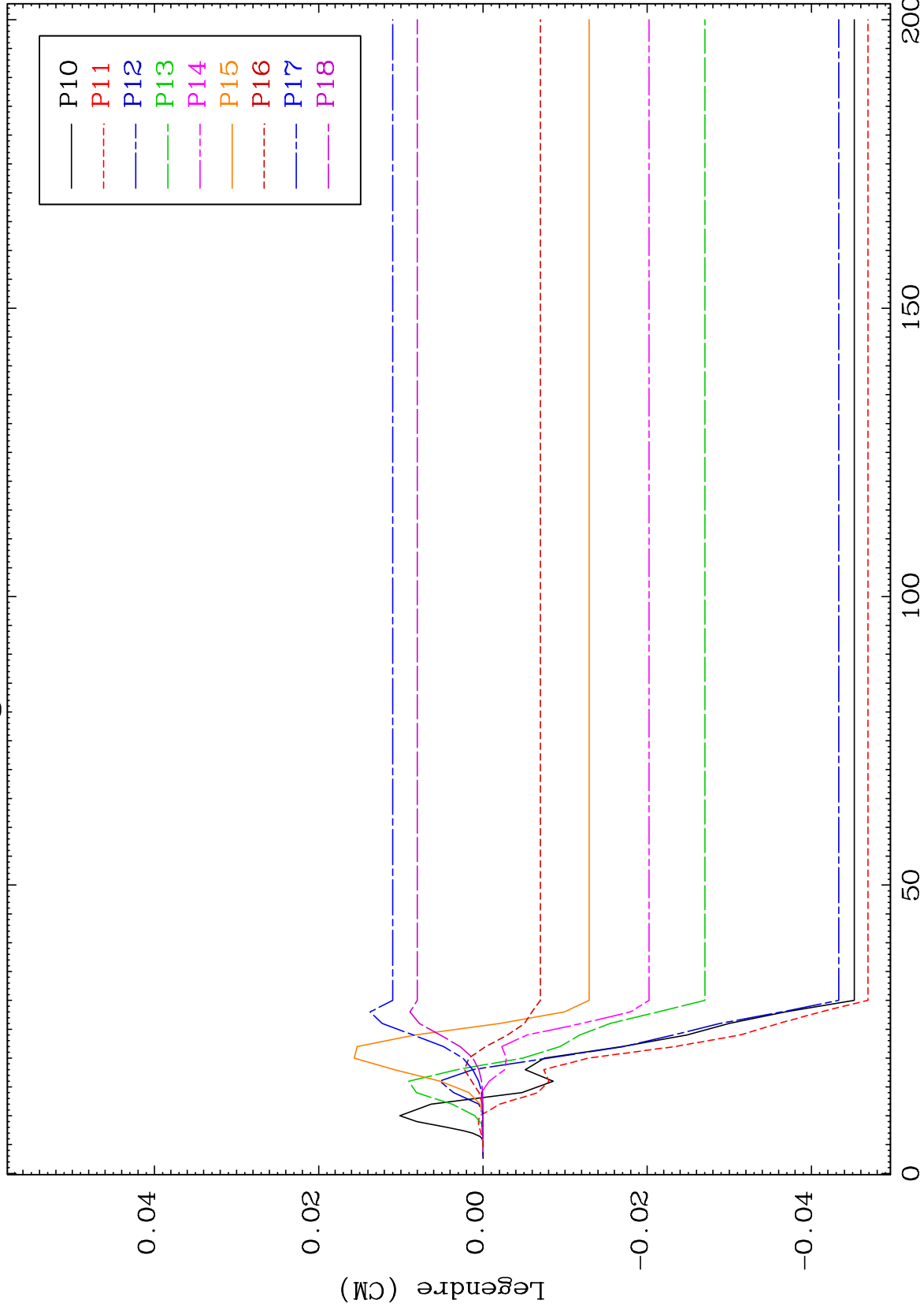
60-Nd-144

Incident Energy (MeV)

MAT 6031

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

60-Nd-144



41

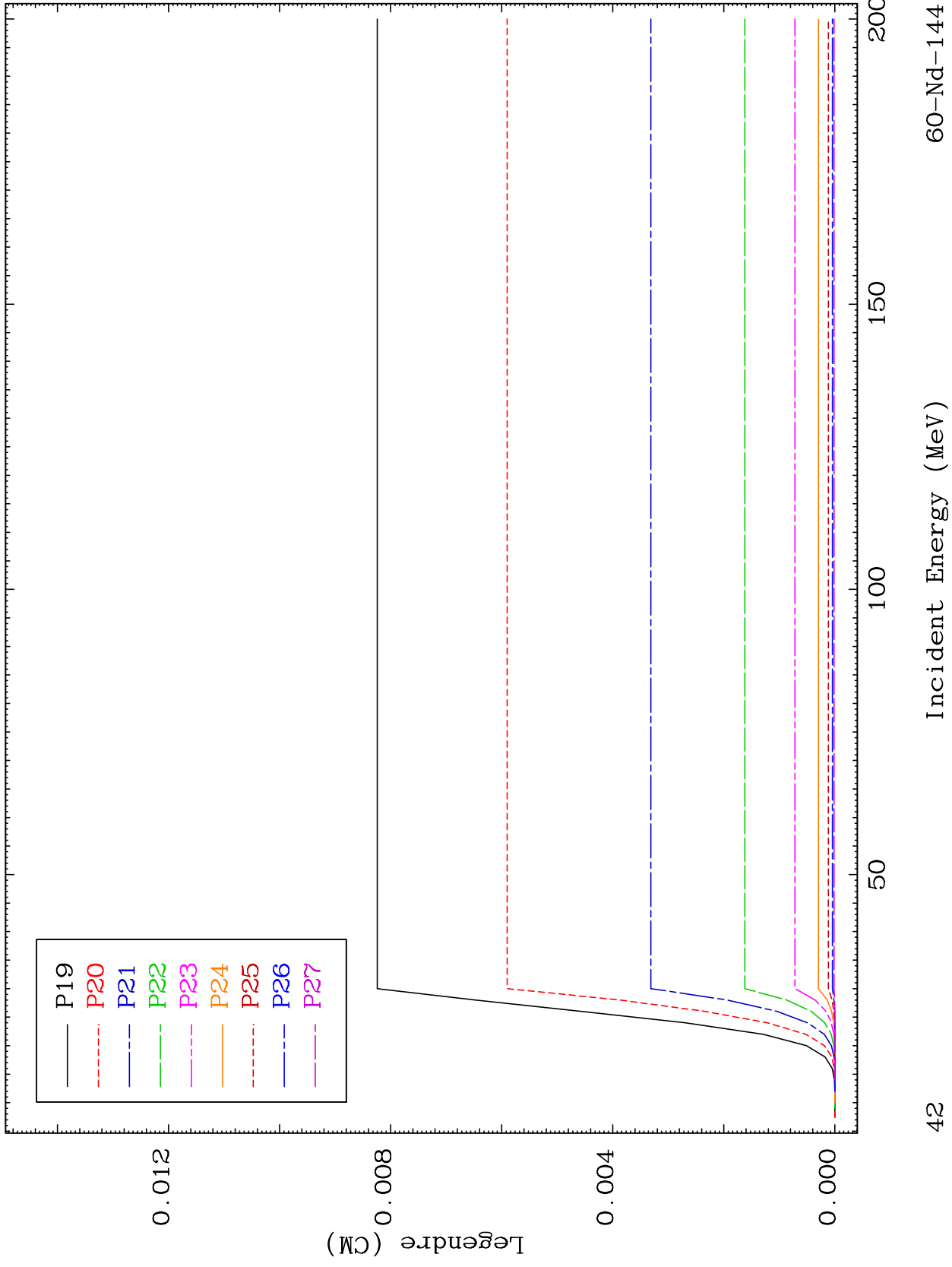
Incident Energy (MeV)

60-Nd-144

MAT 6031

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

60-Nd-144



42

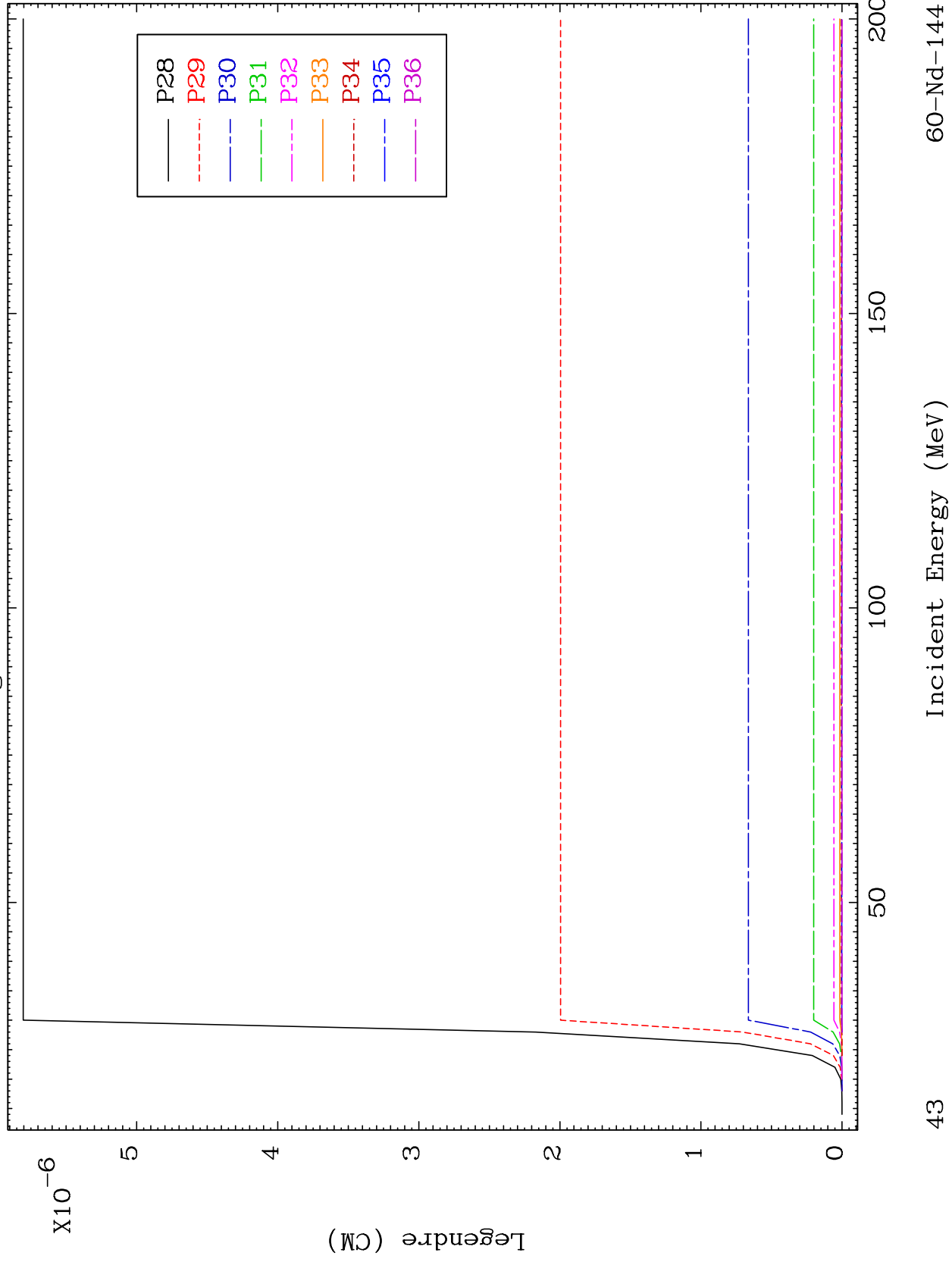
Incident Energy (MeV)

60-Nd-144

MAT 6031

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

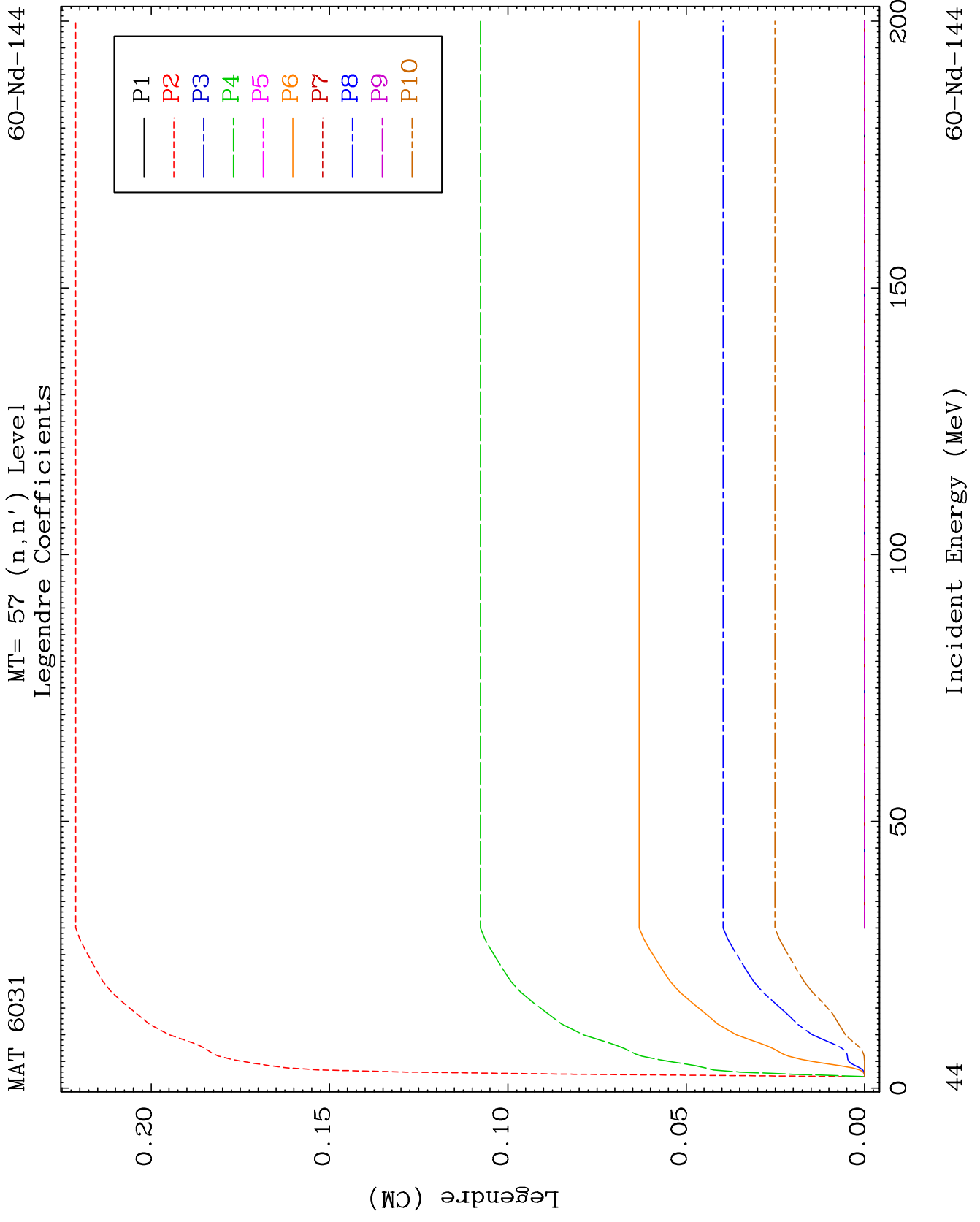
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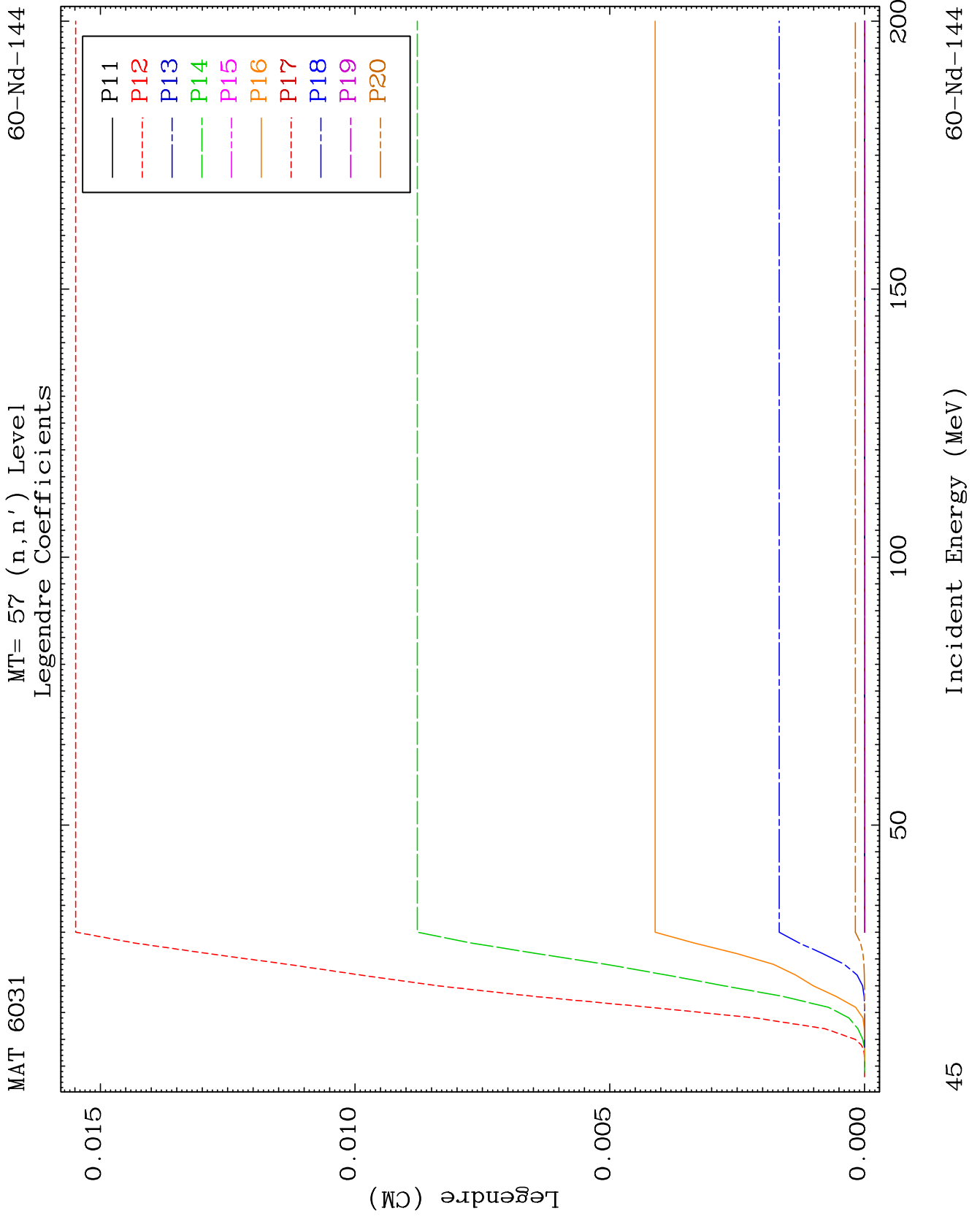


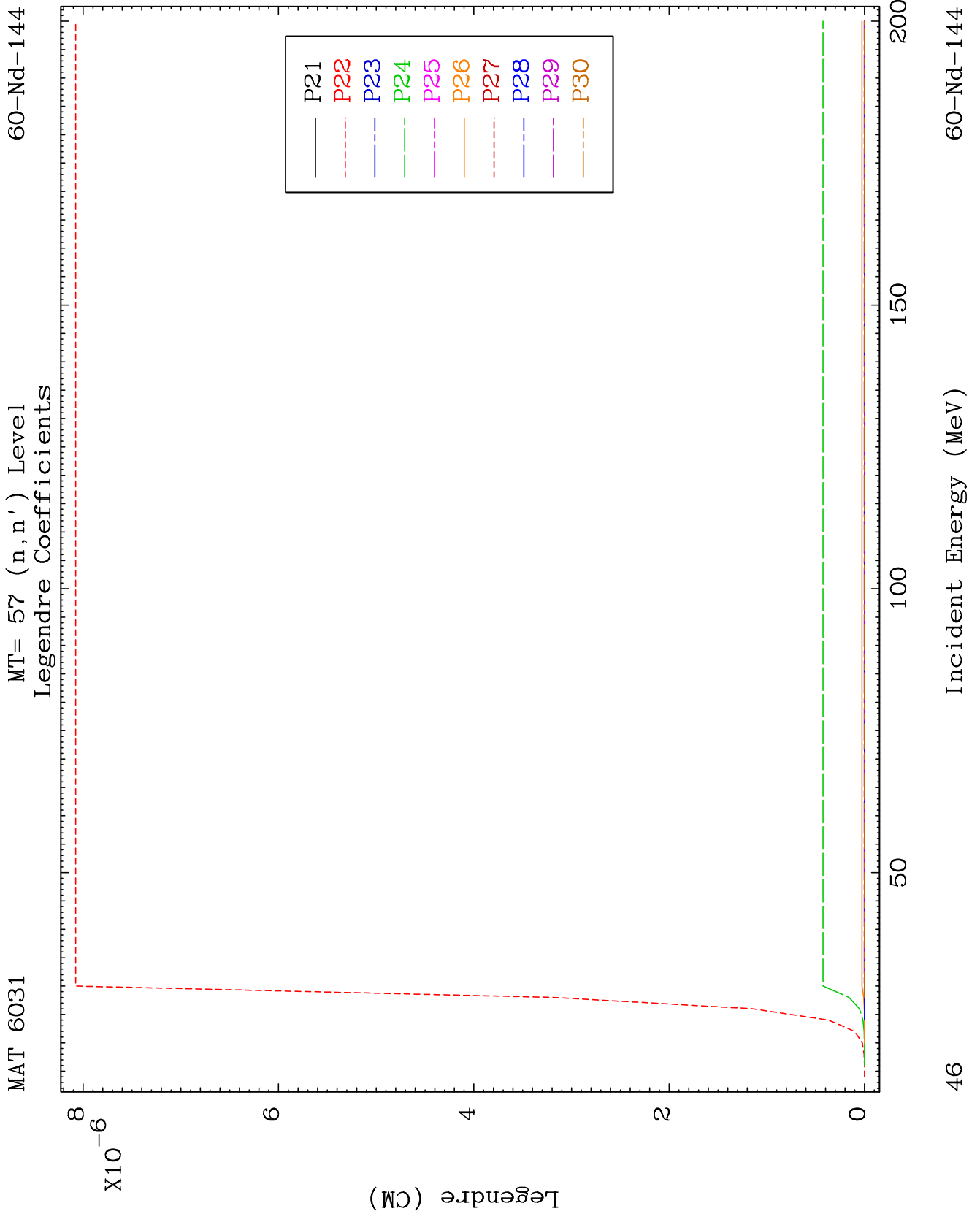
43

Incident Energy (MeV)

60-Nd-144



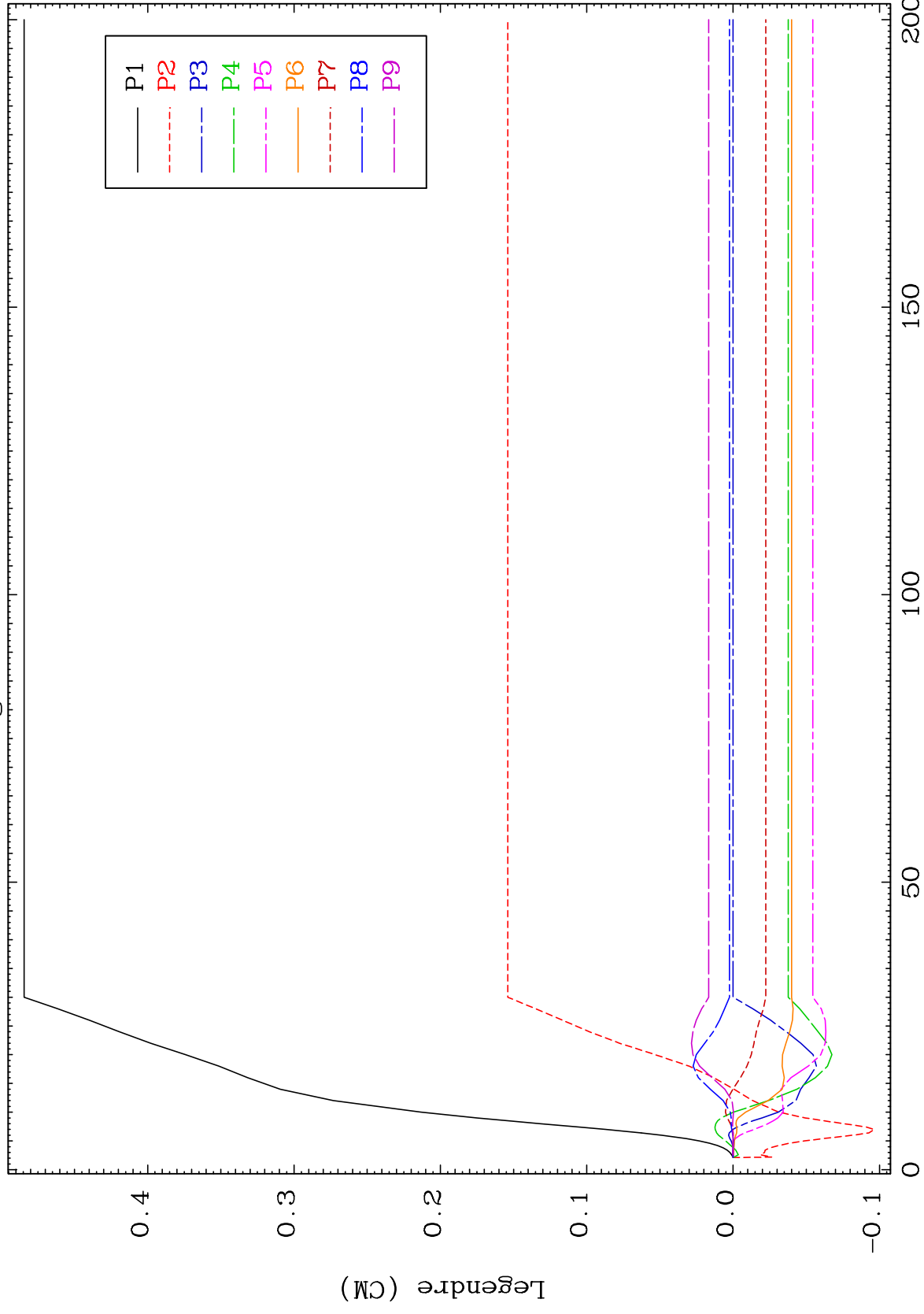




MAT 6031

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

60-Nd-144



47

Incident Energy (MeV)

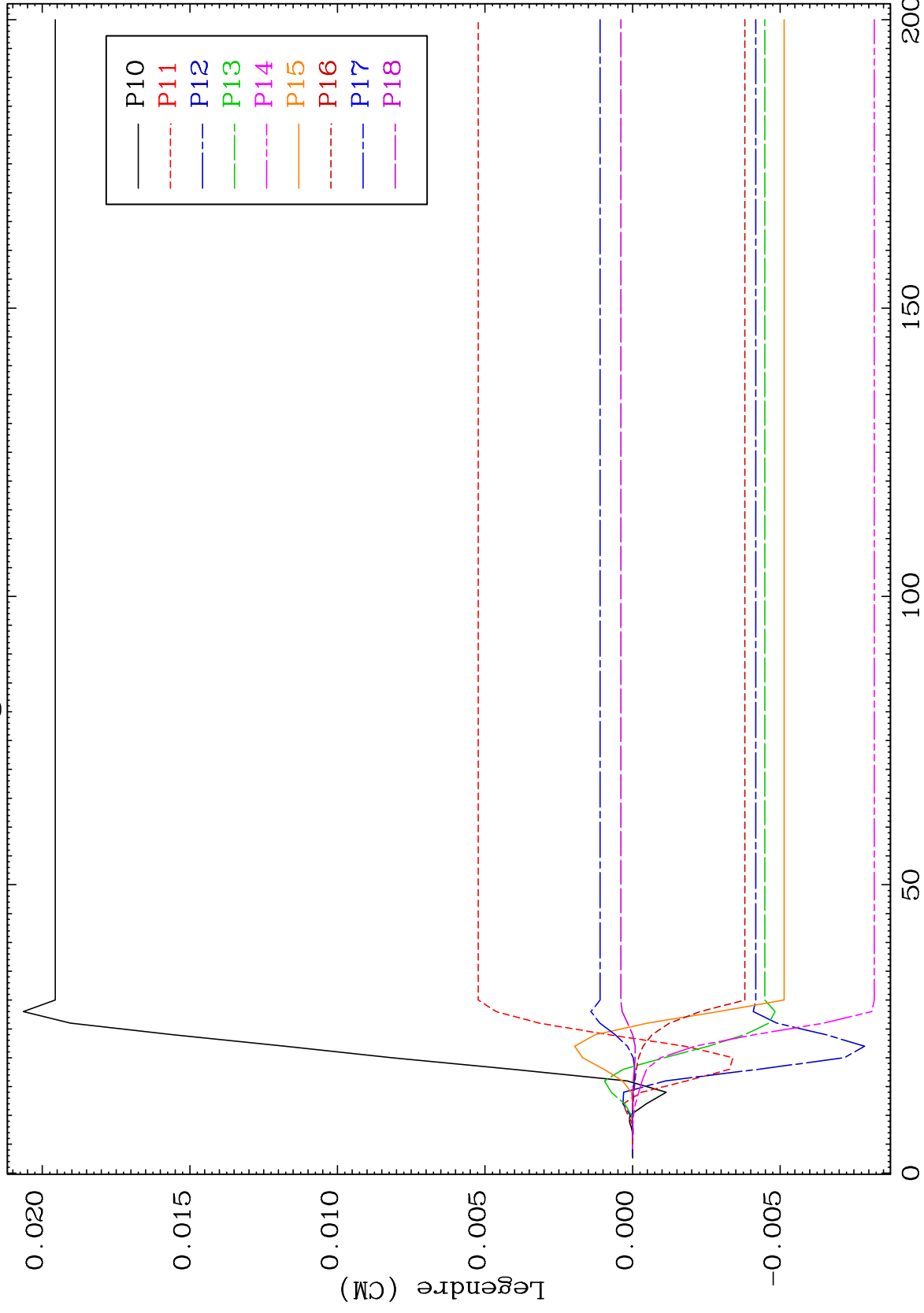
60-Nd-144



MAT 6031

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

60-Nd-144



48

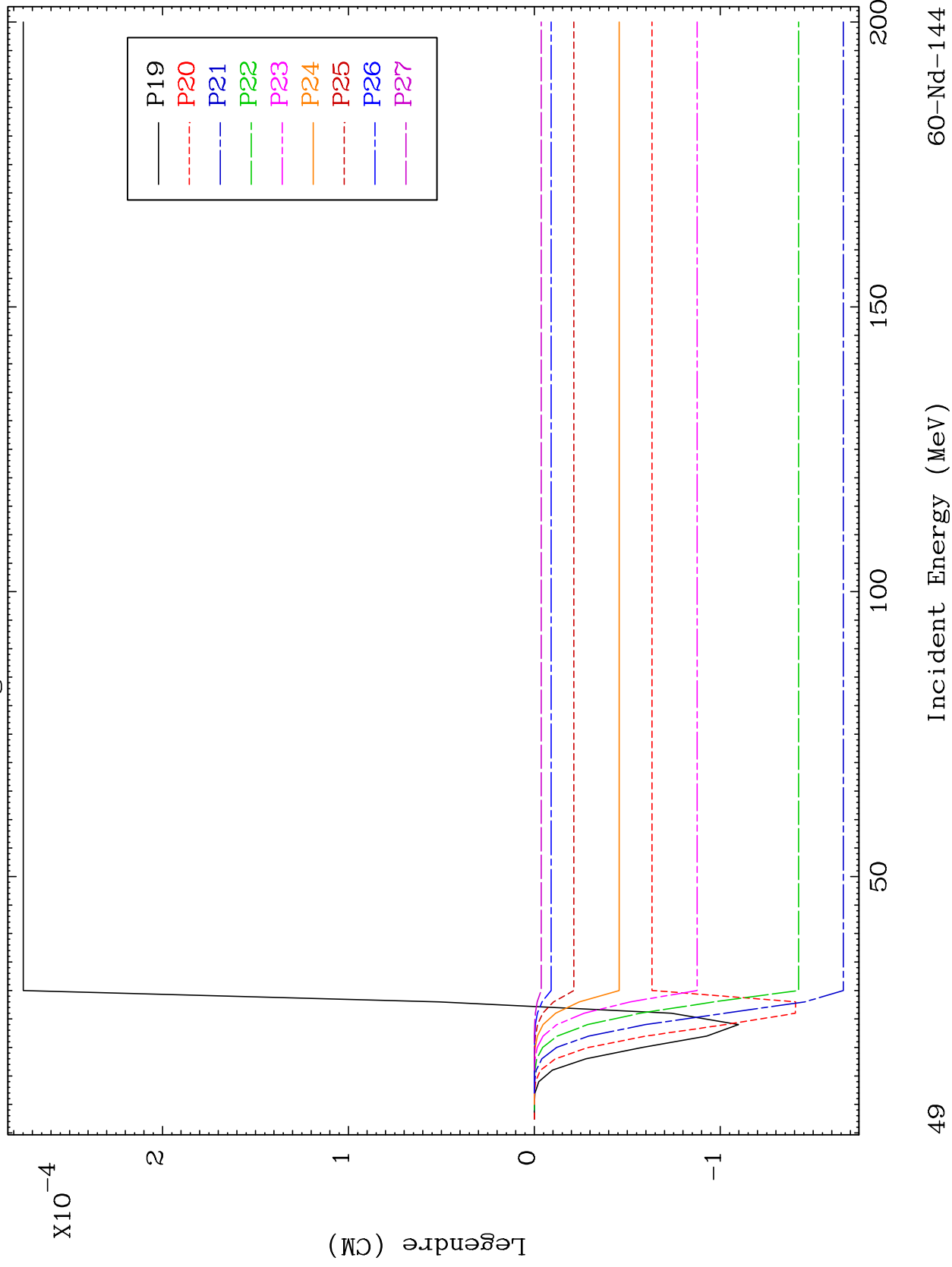
Incident Energy (MeV)

60-Nd-144

MAT 6031

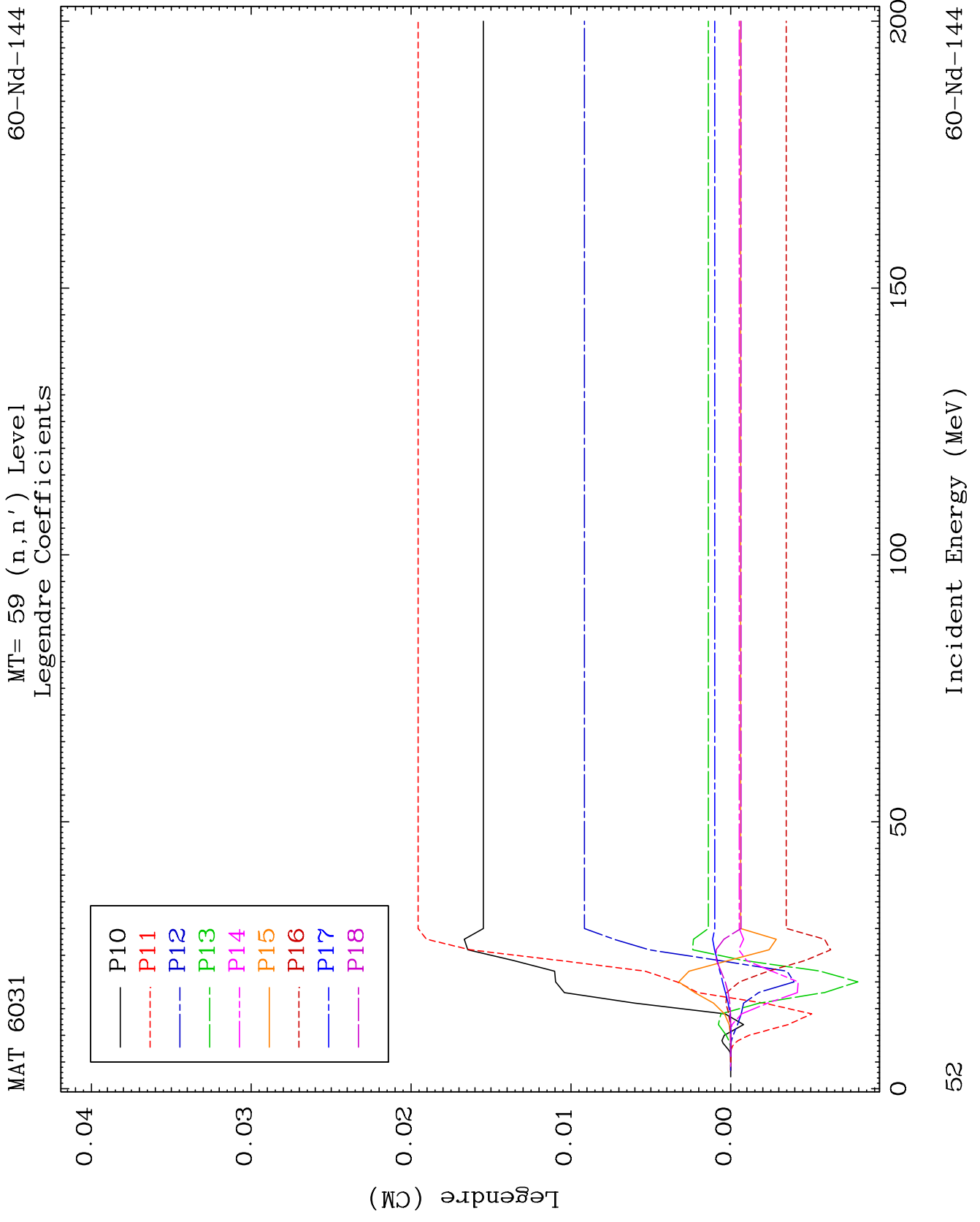
MT= 58 (n,n') Level  
Legendre Coefficients

60-Nd-144





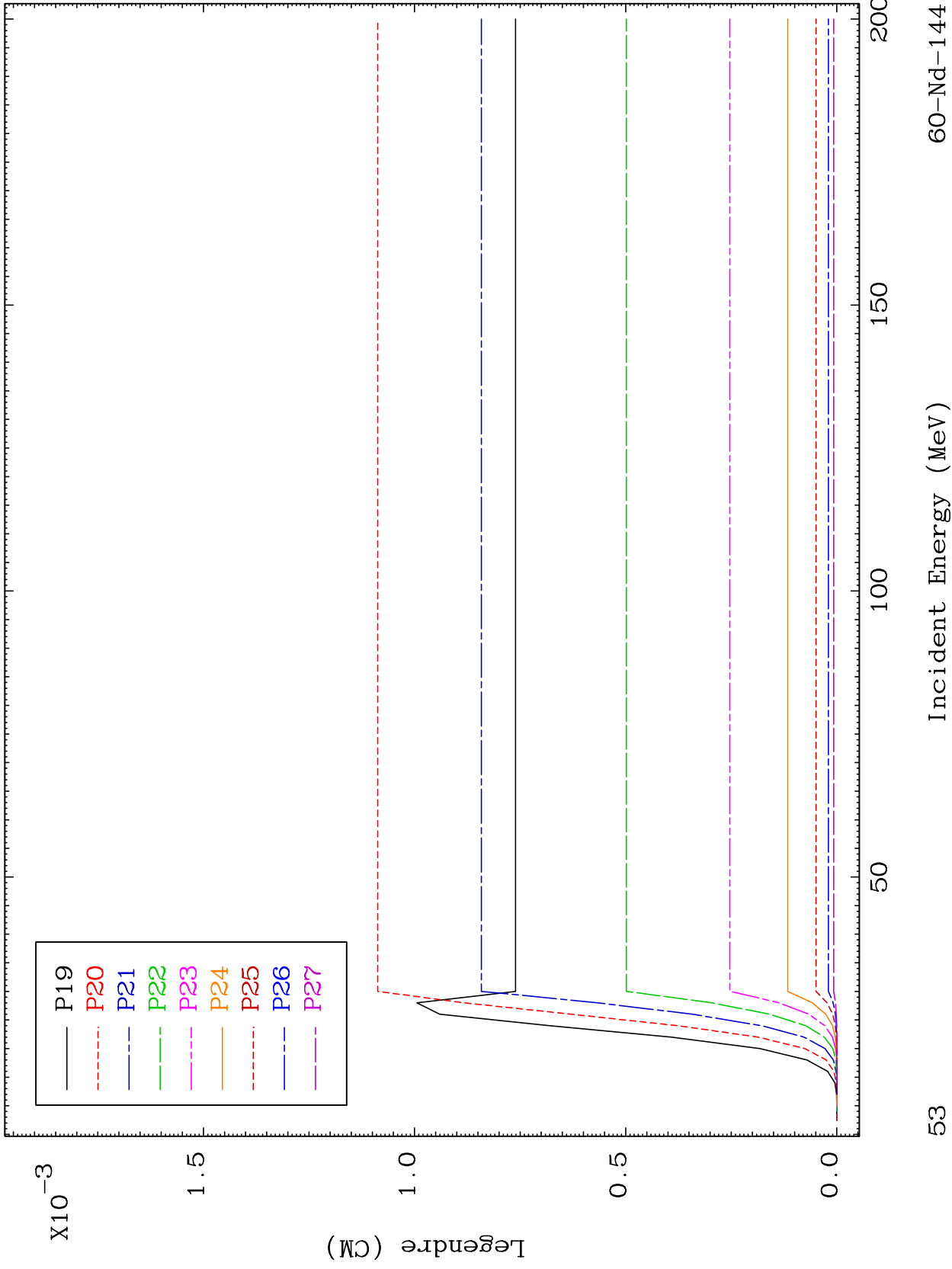




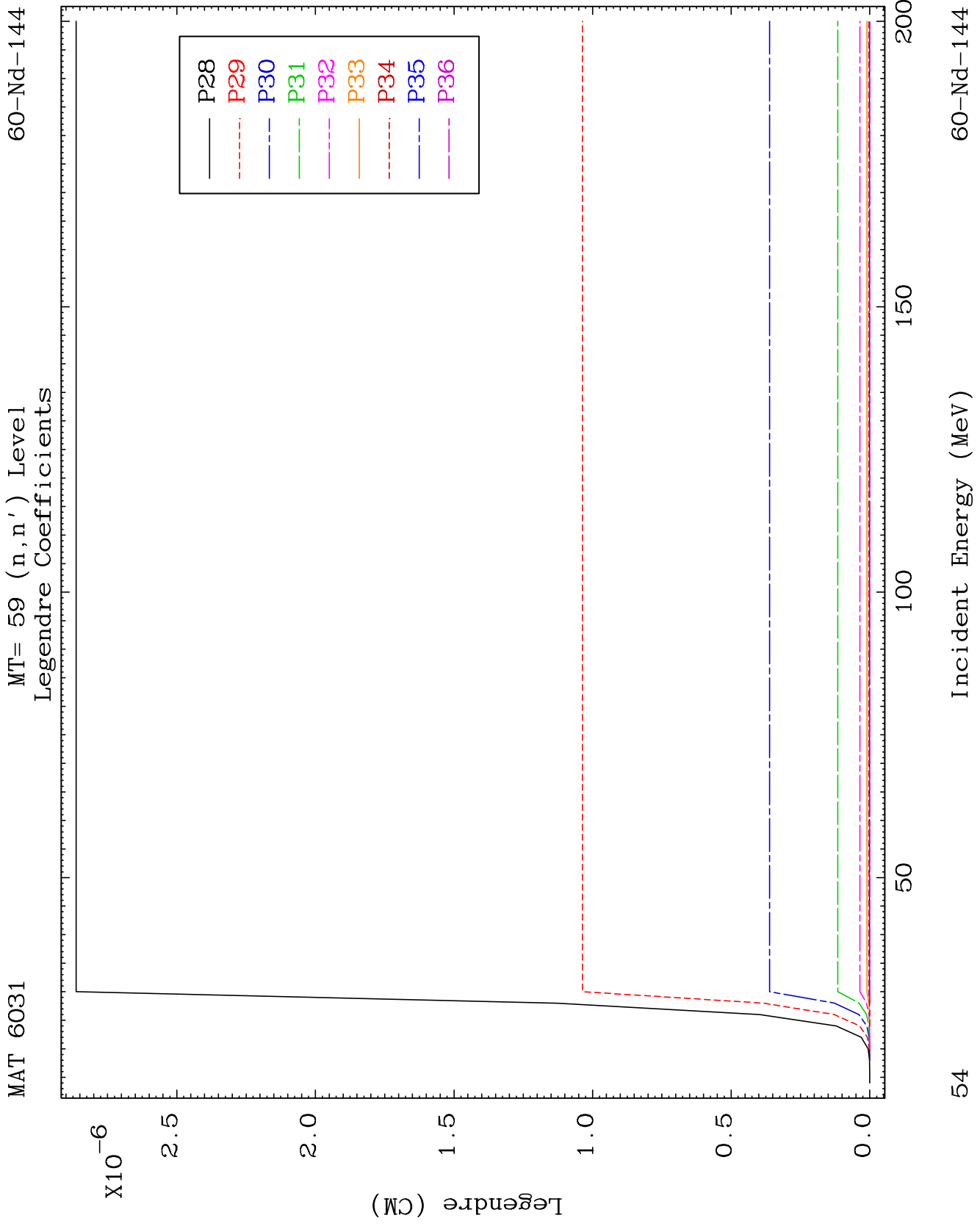
MAT 6031

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

60-Nd-144

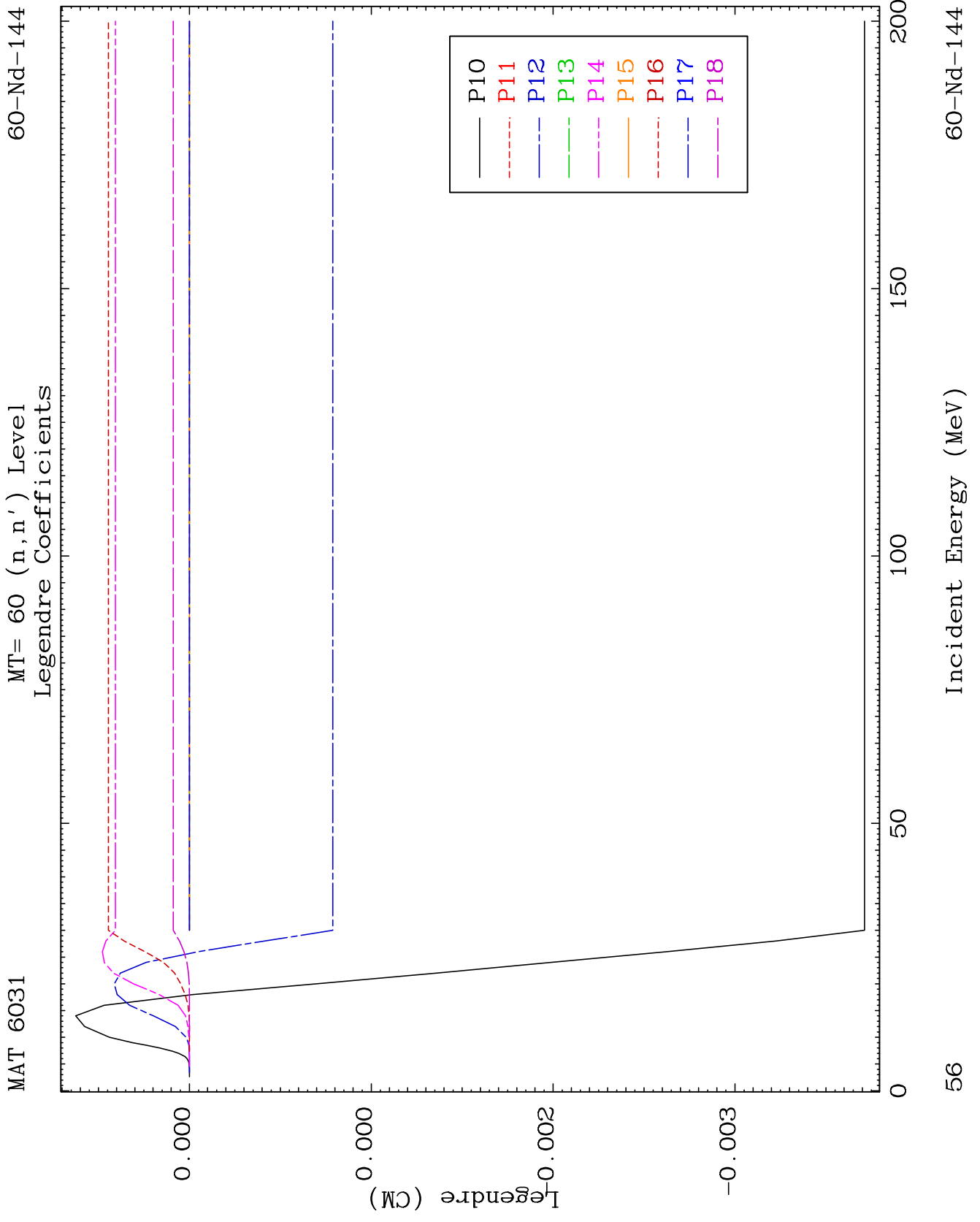


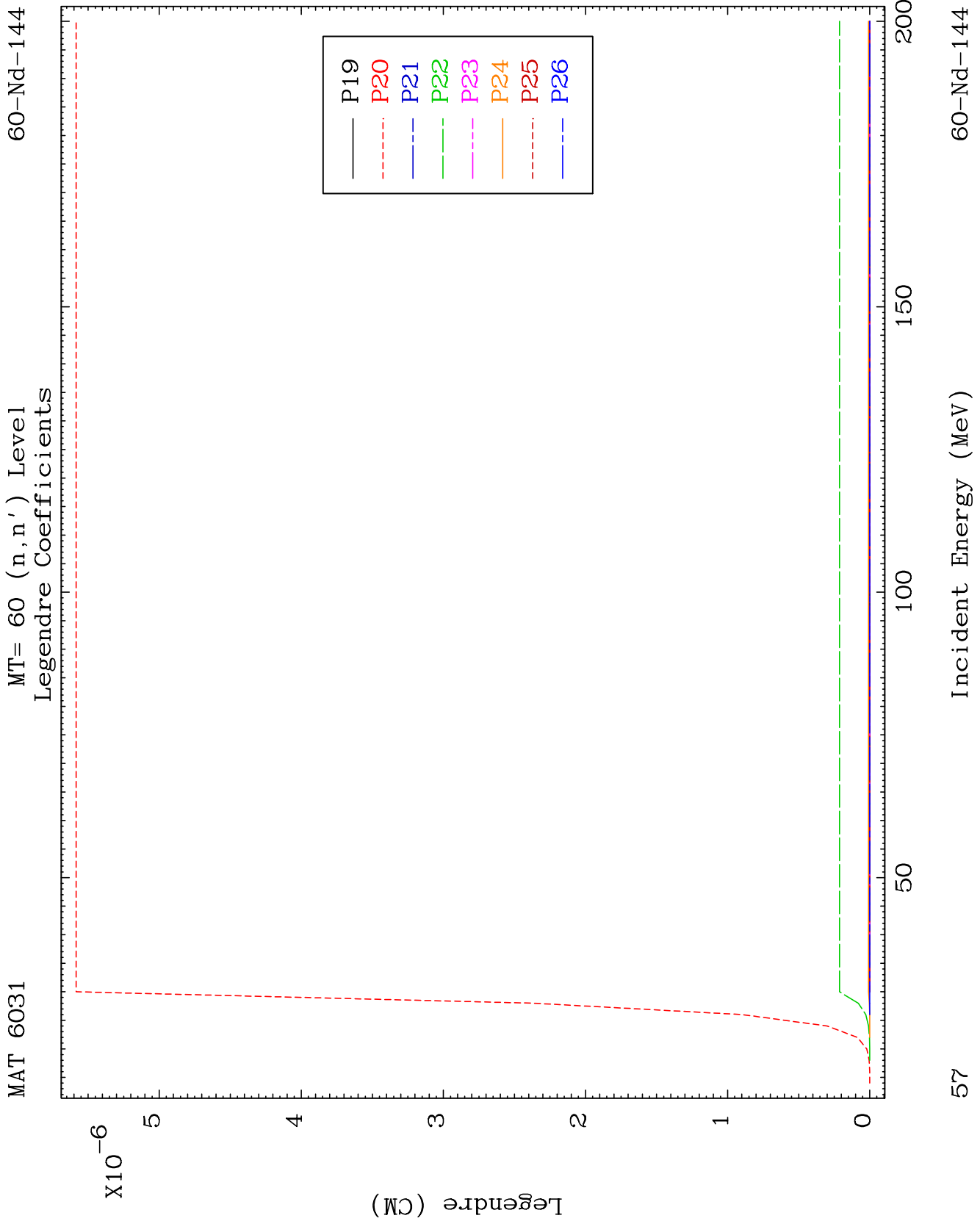
53







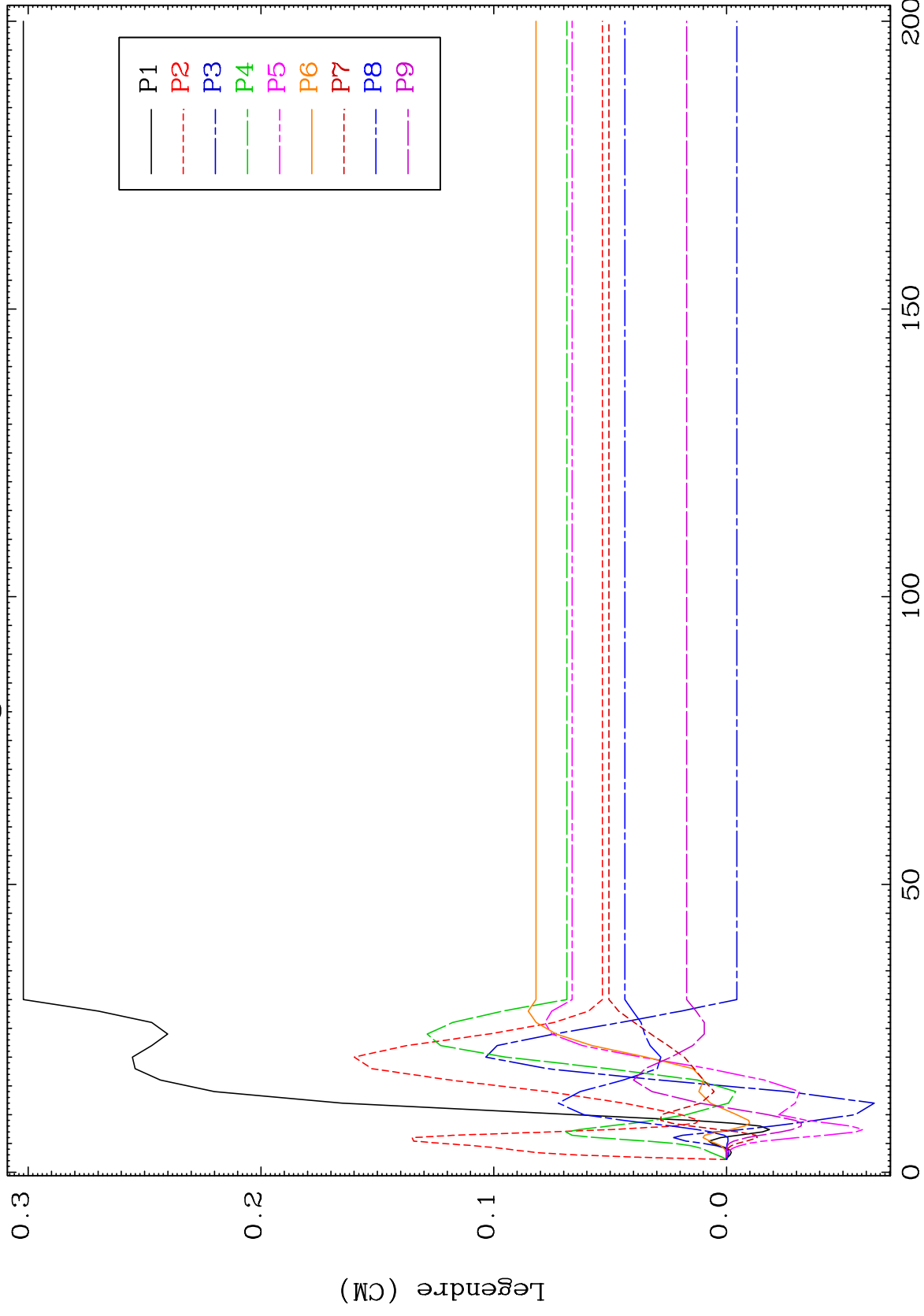




MAT 6031

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

60-Nd-144



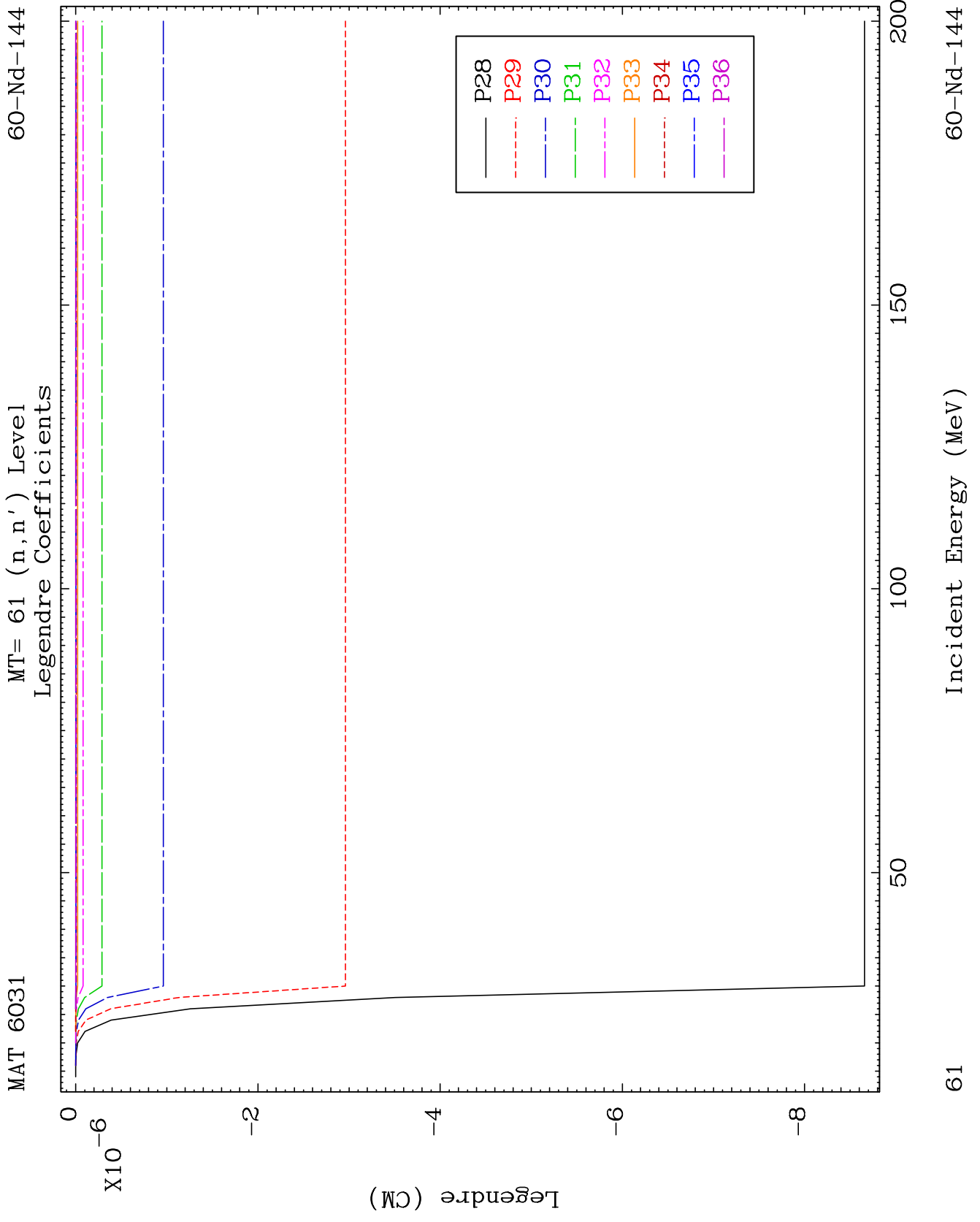
60-Nd-144

Incident Energy (MeV)

58



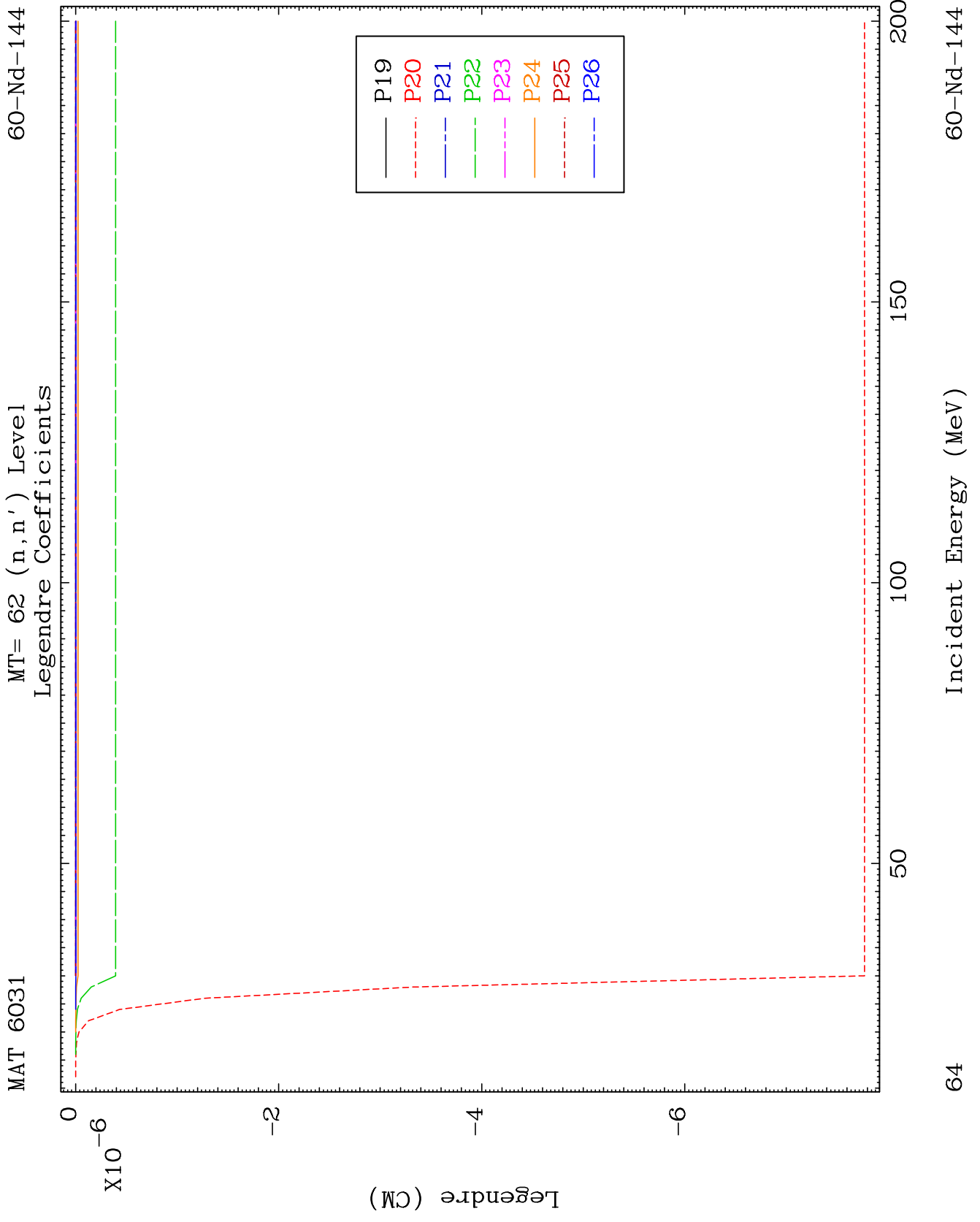








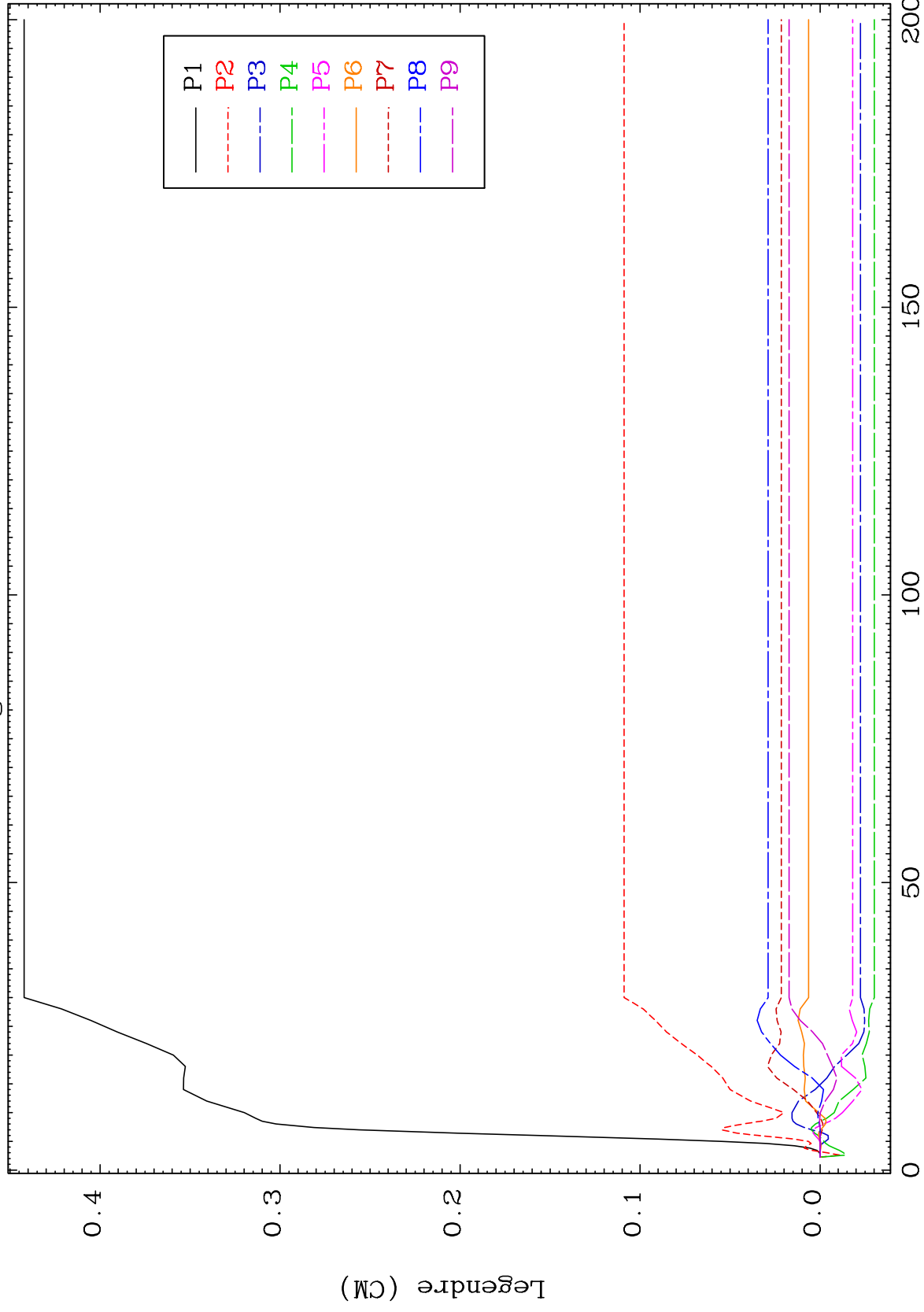




MAT 6031

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

60-Nd-144



60-Nd-144

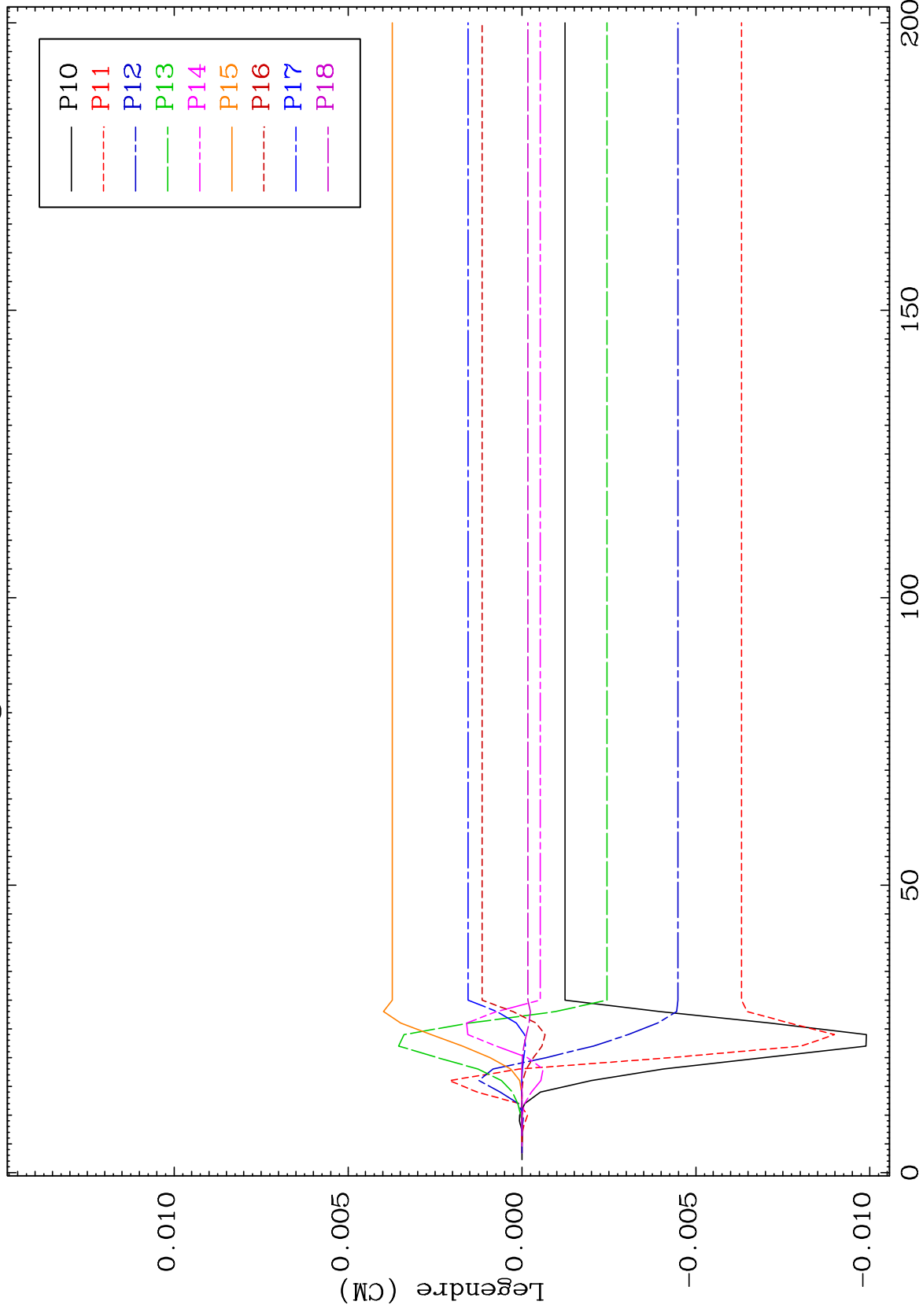
Incident Energy (MeV)

65

MAT 6031

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

60-Nd-144



66

Incident Energy (MeV)

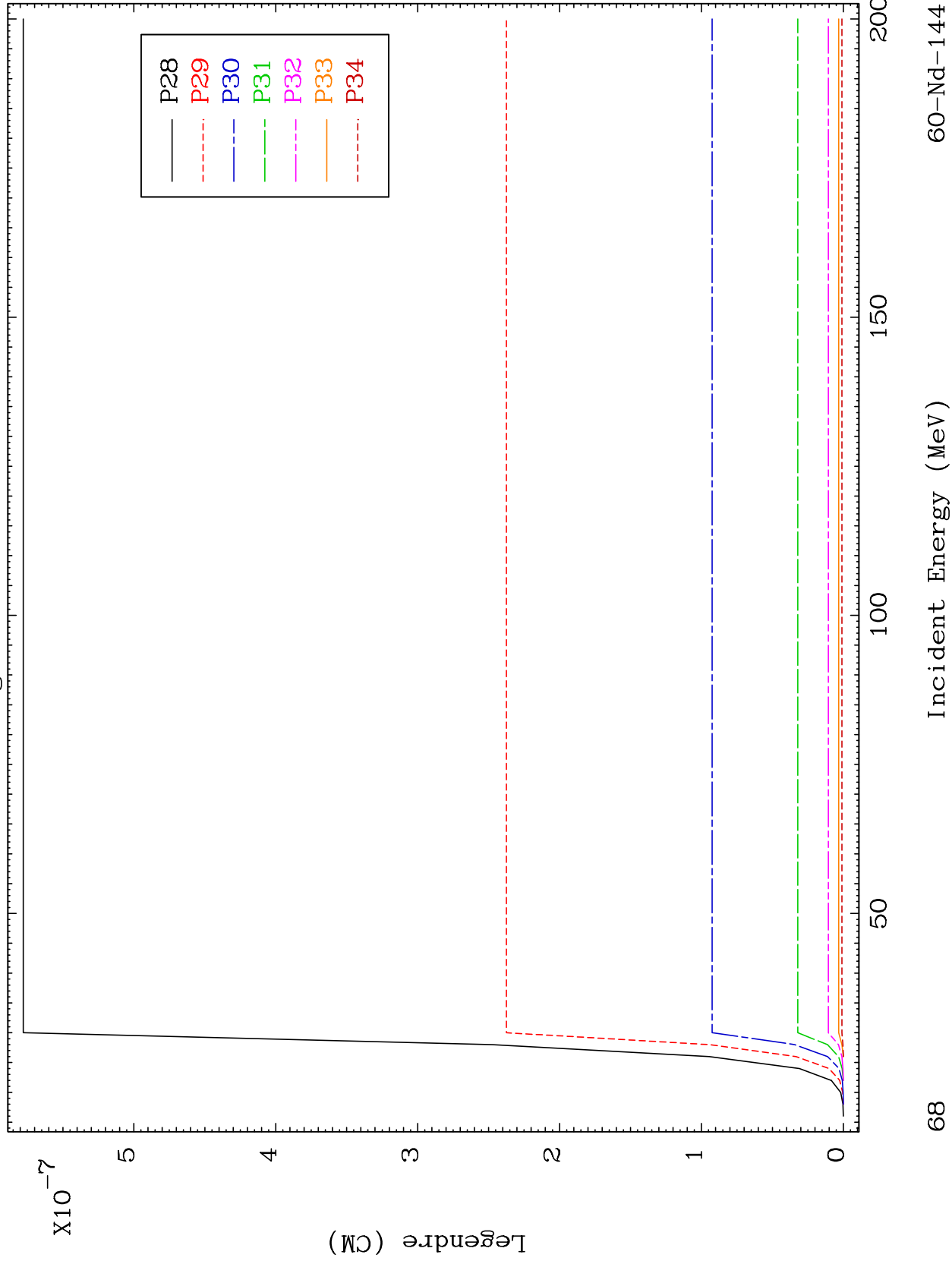
60-Nd-144



MAT 6031

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

60-Nd-144



68

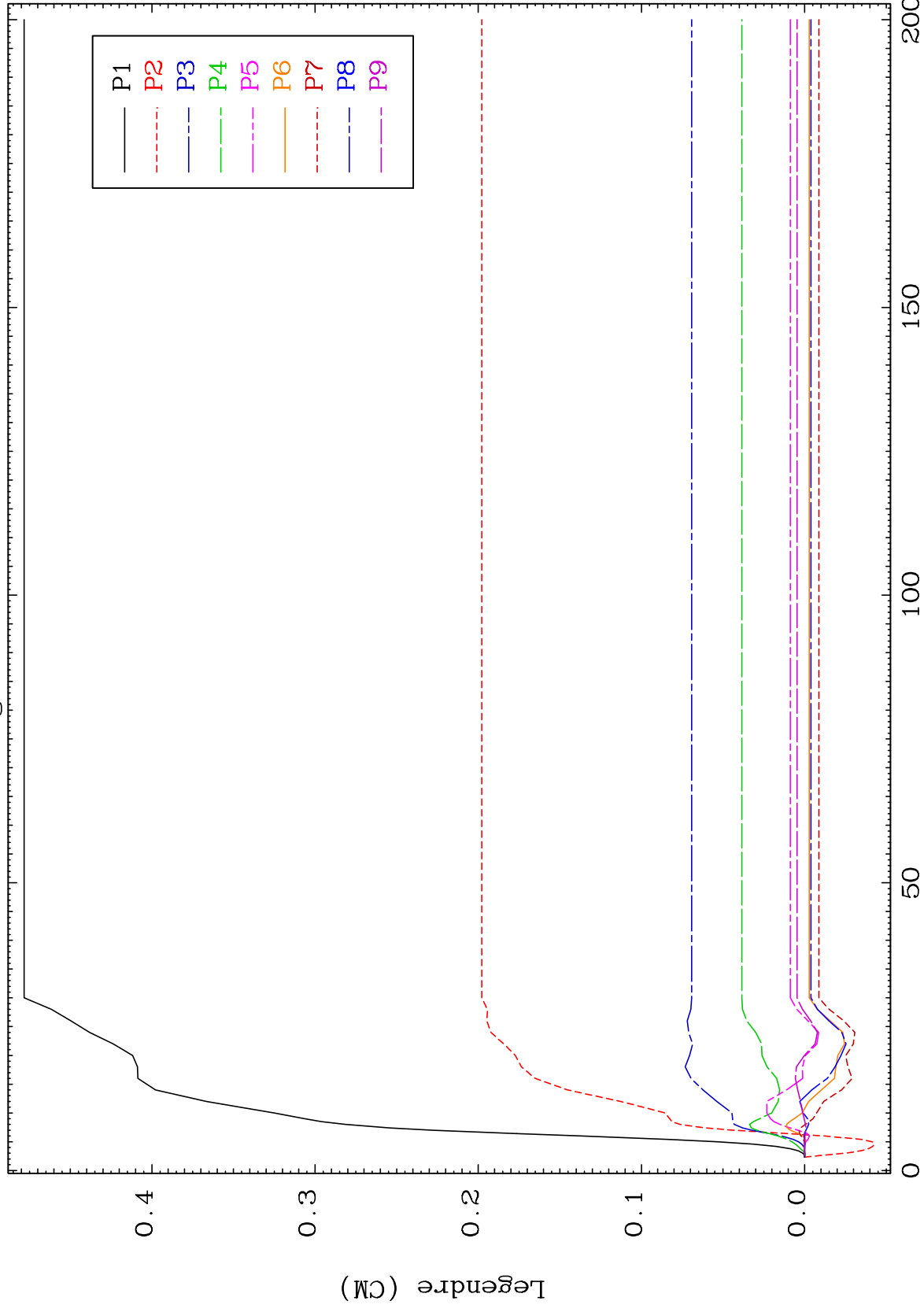
Incident Energy (MeV)

60-Nd-144

MAT 6031

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

60-Nd-144



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Incident Energy (MeV)

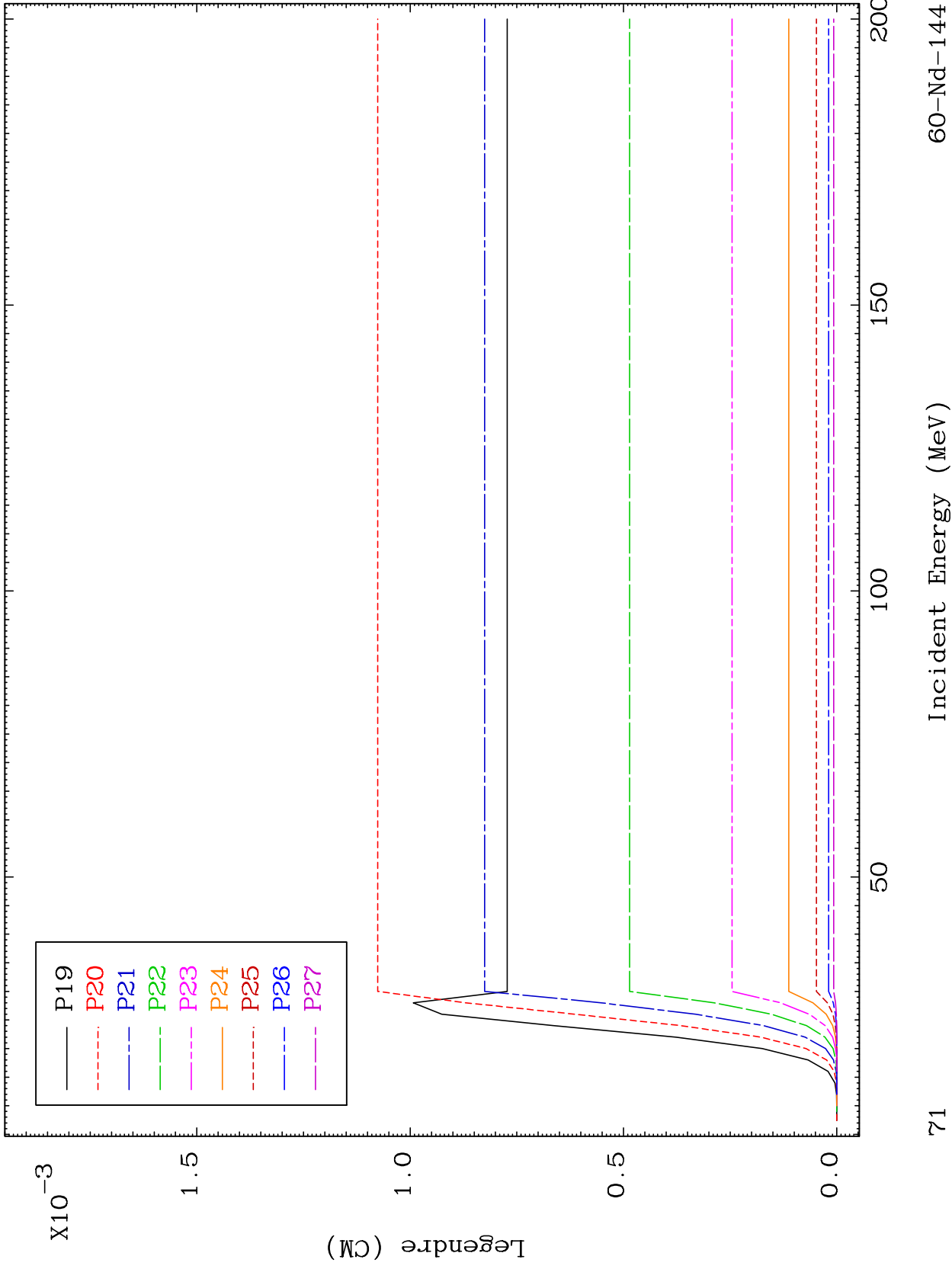
60-Nd-144



MAT 6031

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

60-Nd-144

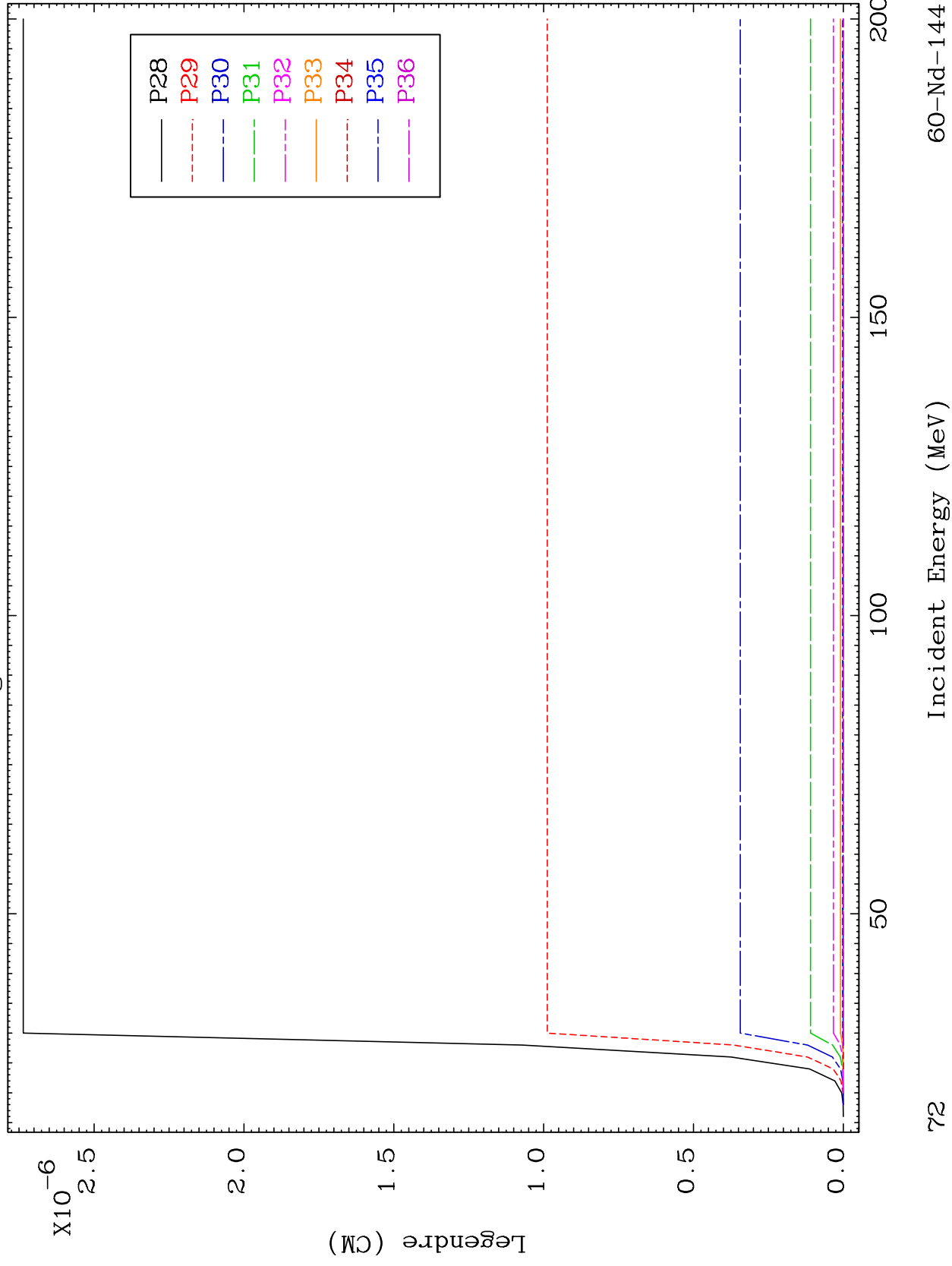




MAT 6031

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

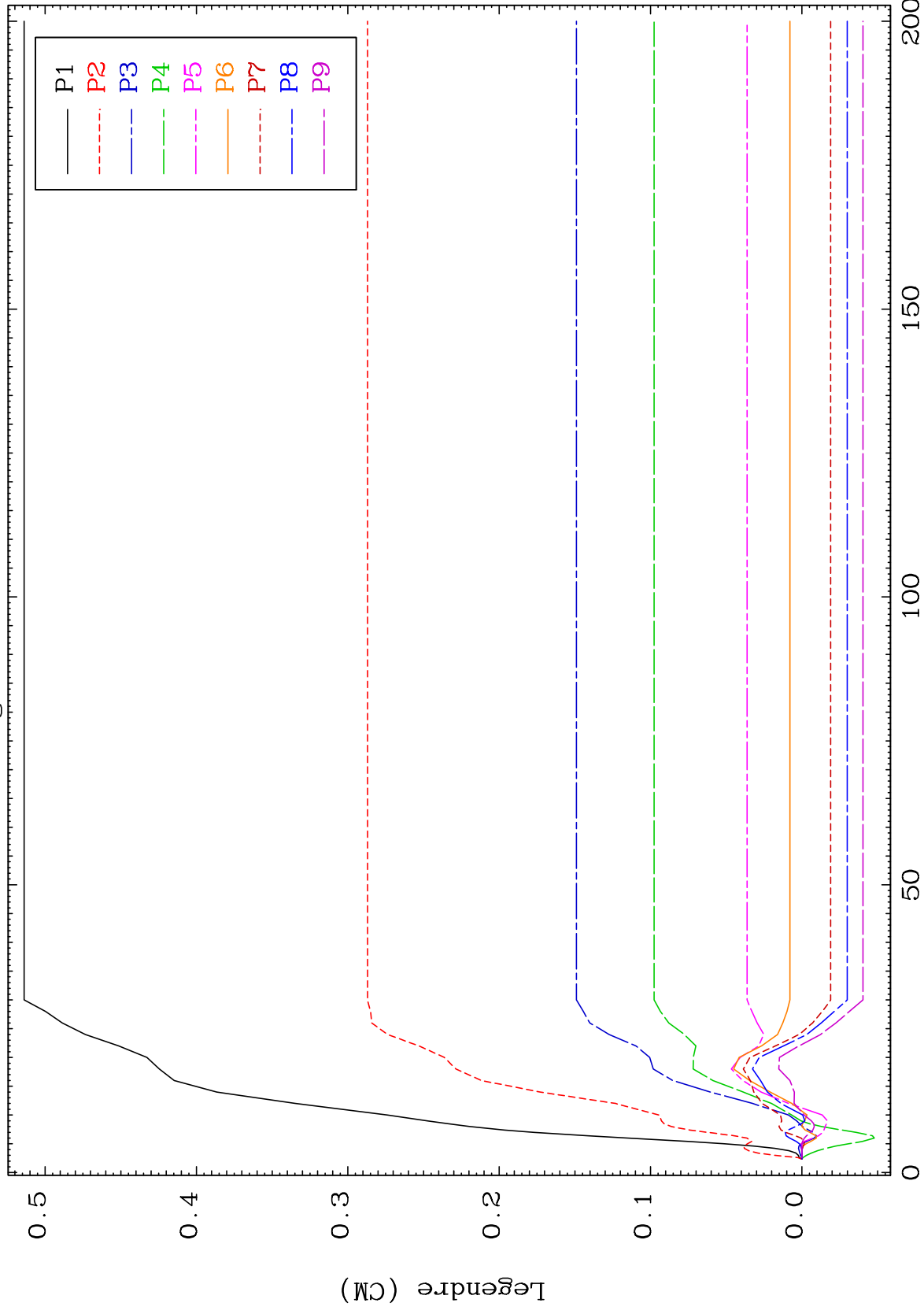
60-Nd-144



MAT 6031

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

60-Nd-144



73

Incident Energy (MeV)

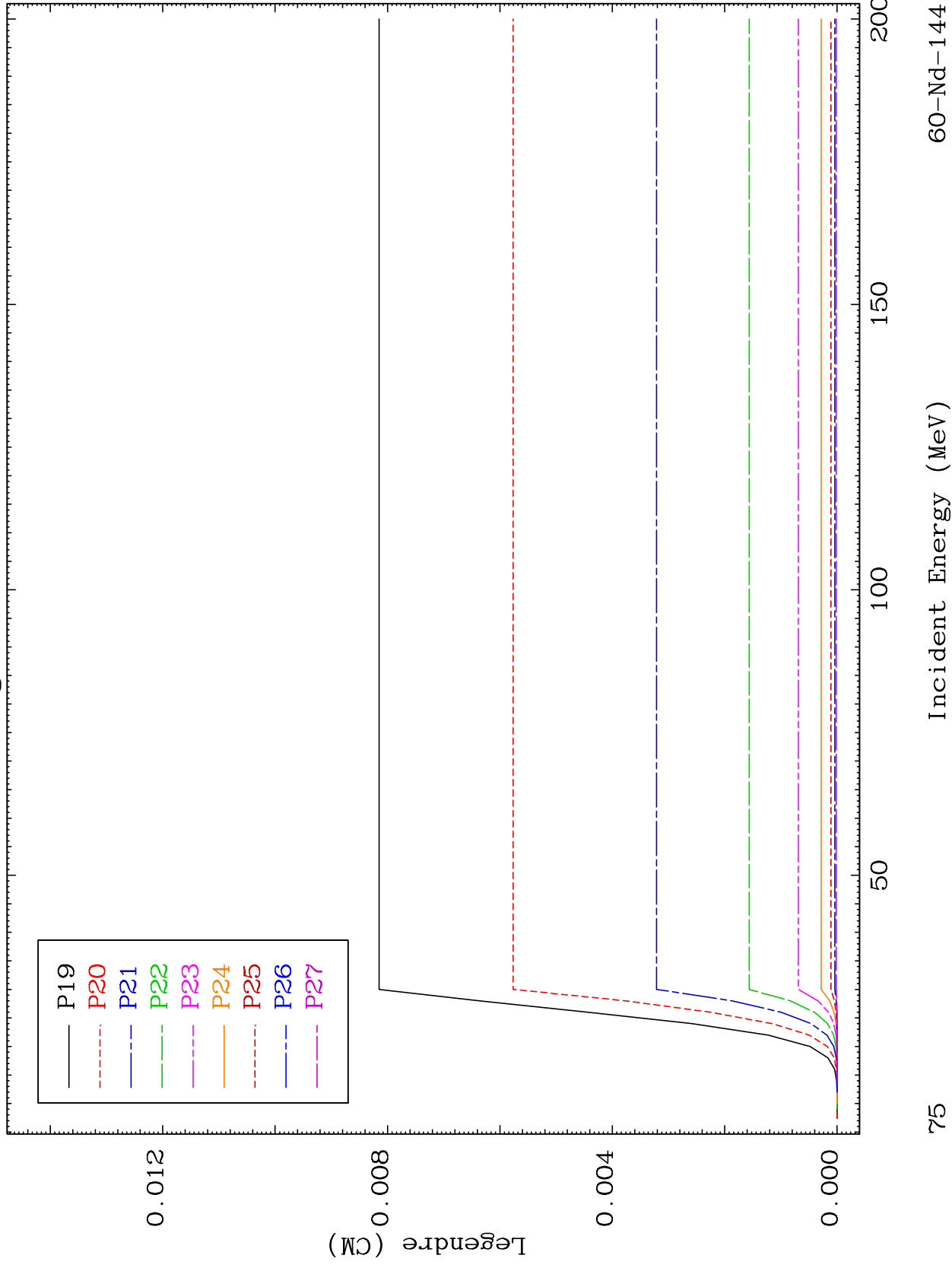
60-Nd-144



MAT 6031

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

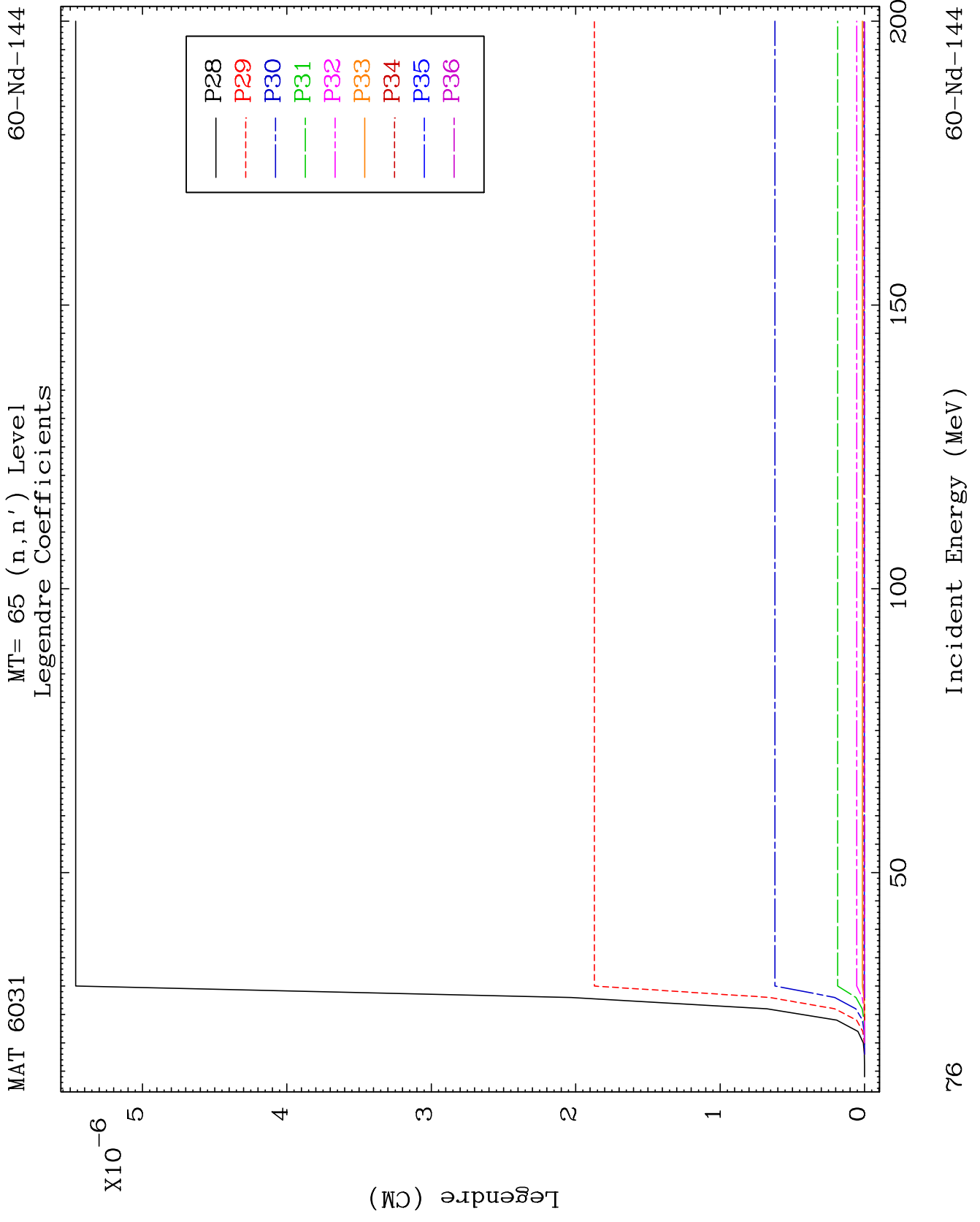
60-Nd-144

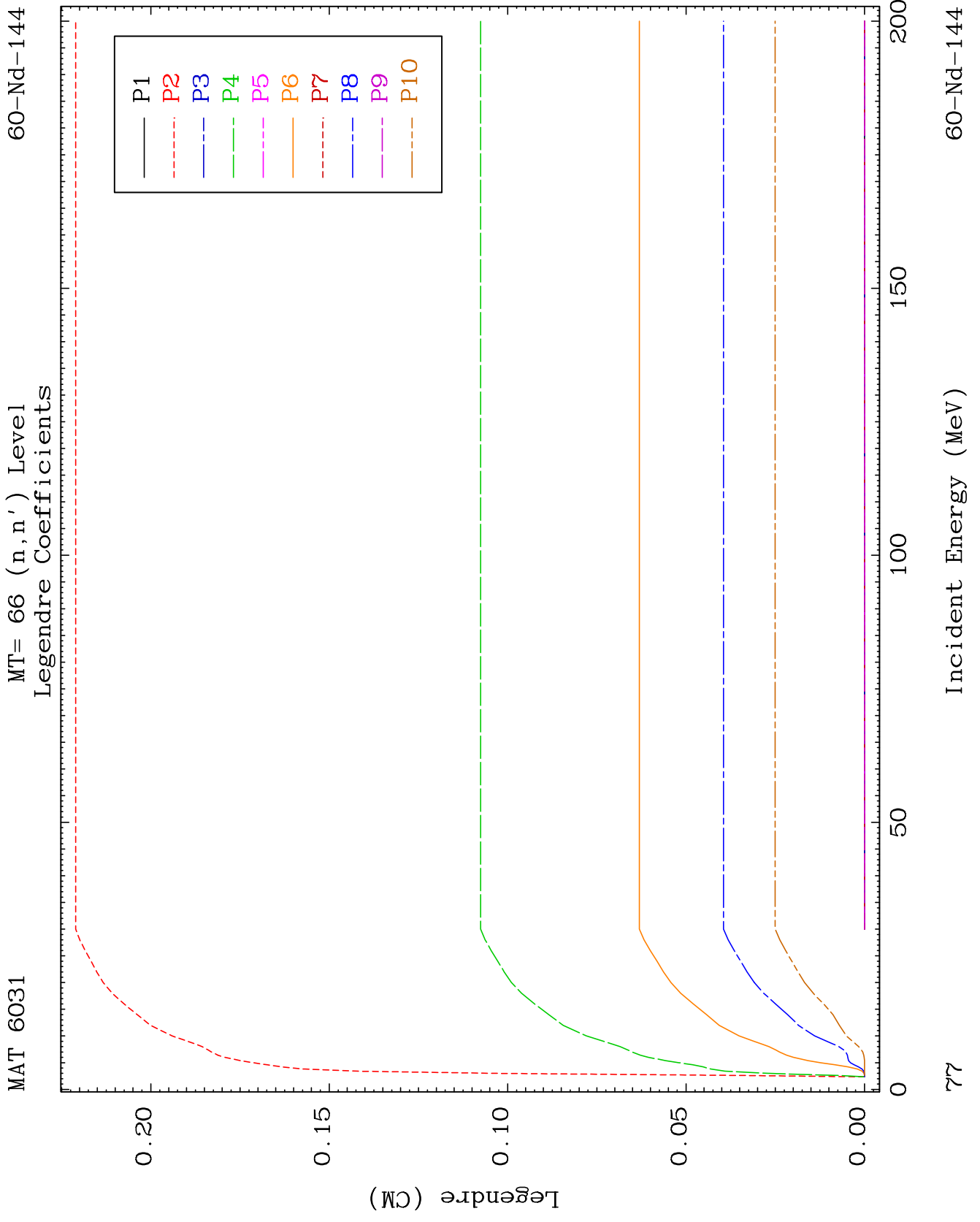


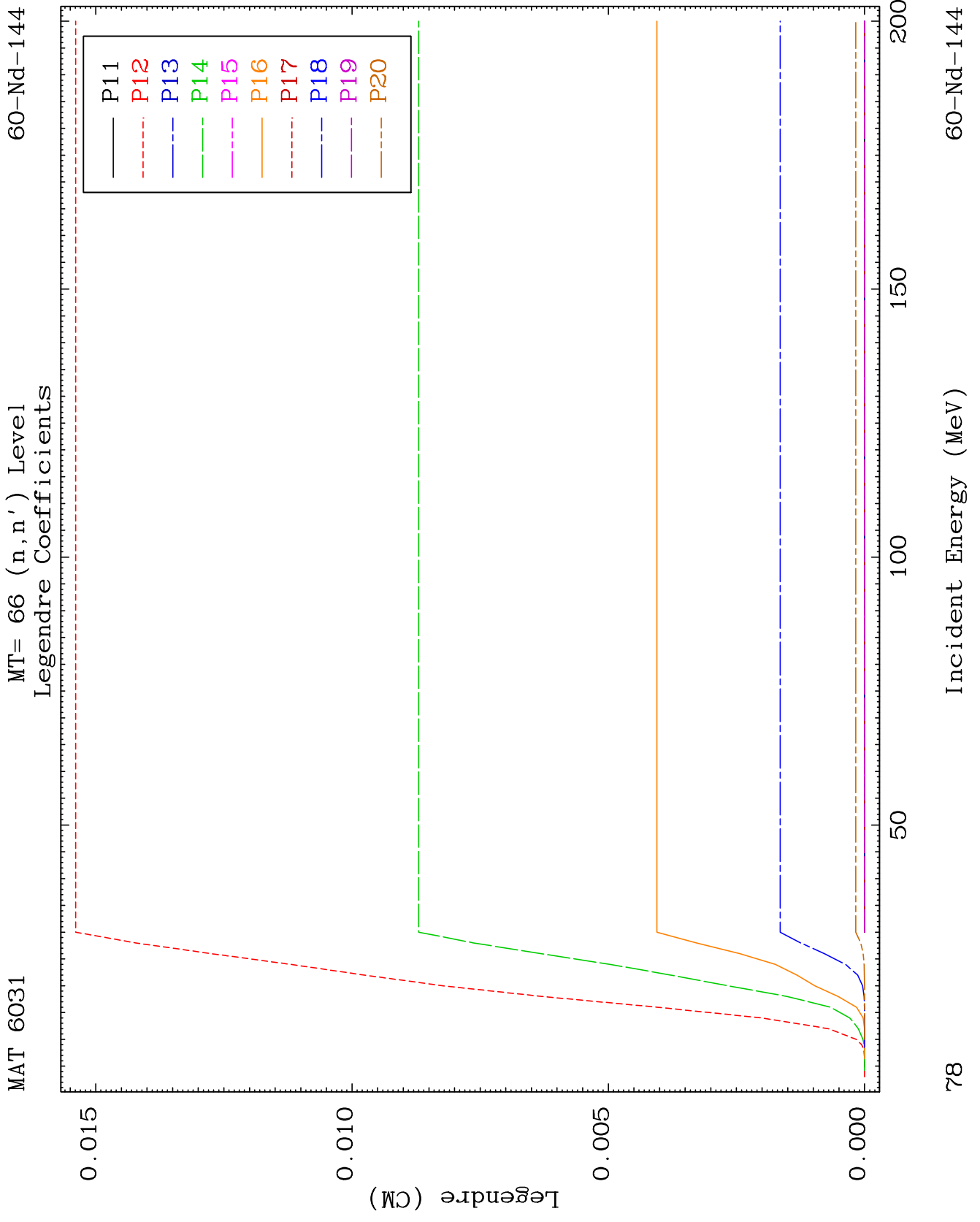
75

Incident Energy (MeV)

60-Nd-144

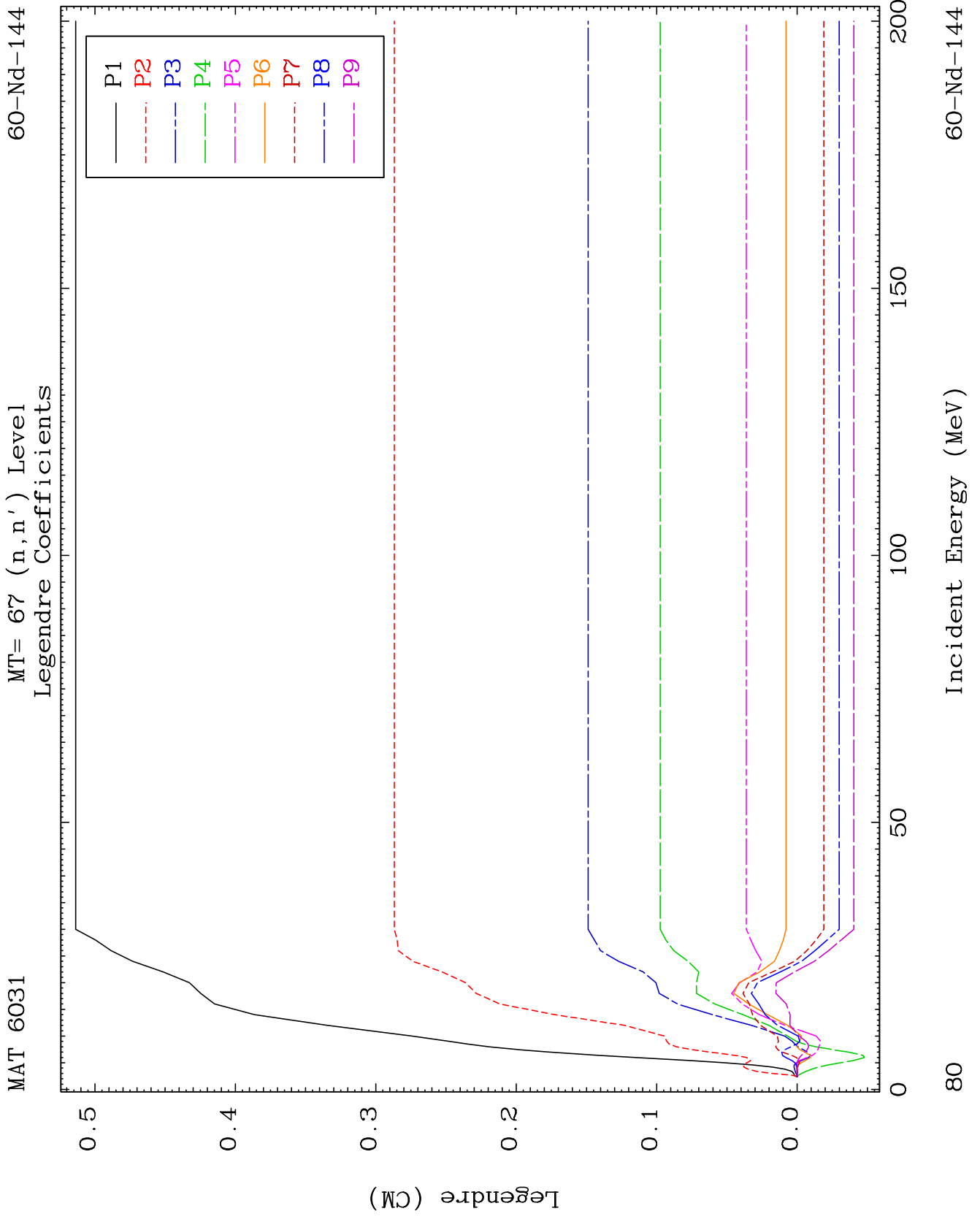








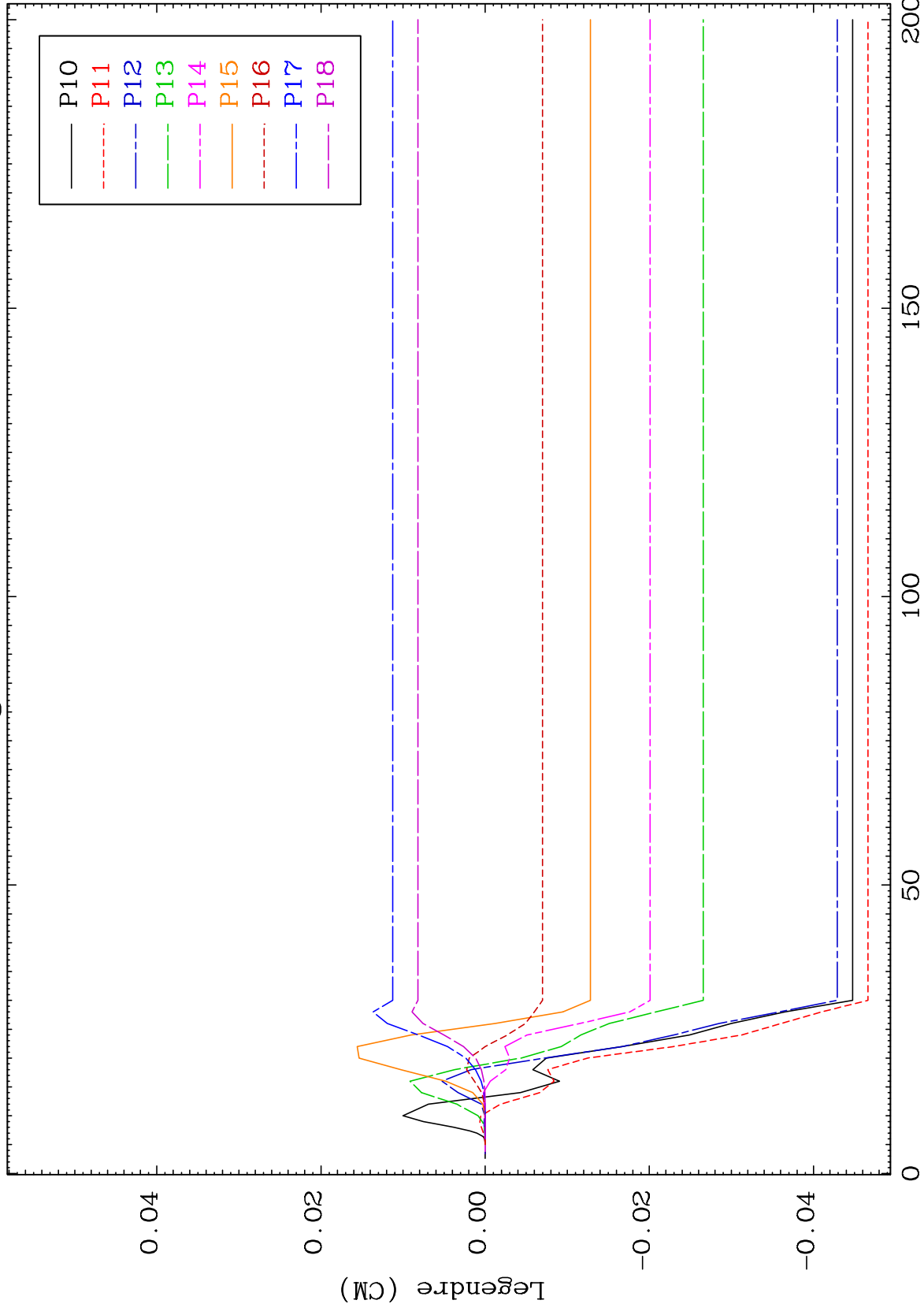




MAT 6031

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

60-Nd-144



81

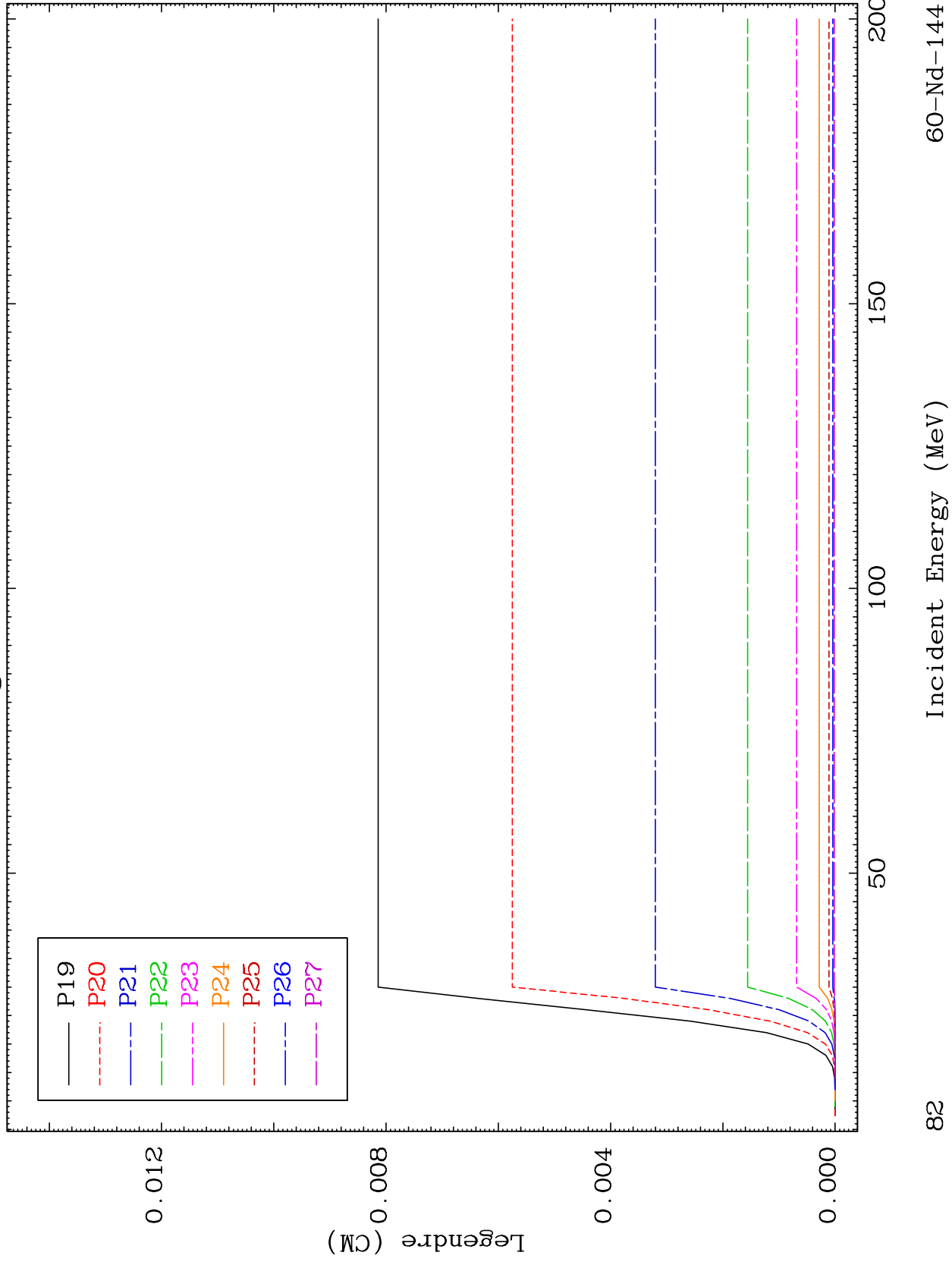
Incident Energy (MeV)

60-Nd-144

MAT 6031

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

60-Nd-144



82

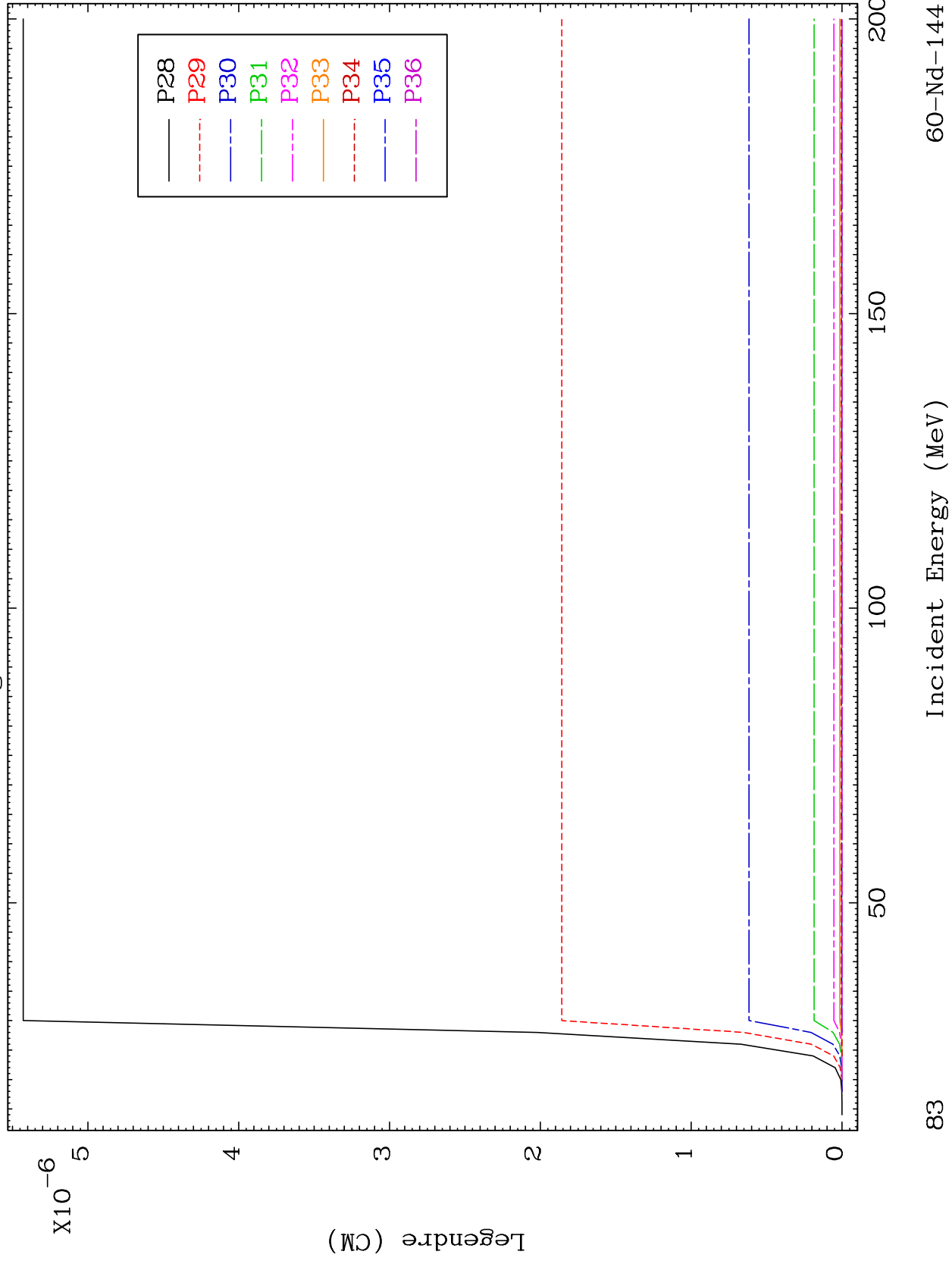
Incident Energy (MeV)

60-Nd-144

MAT 6031

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

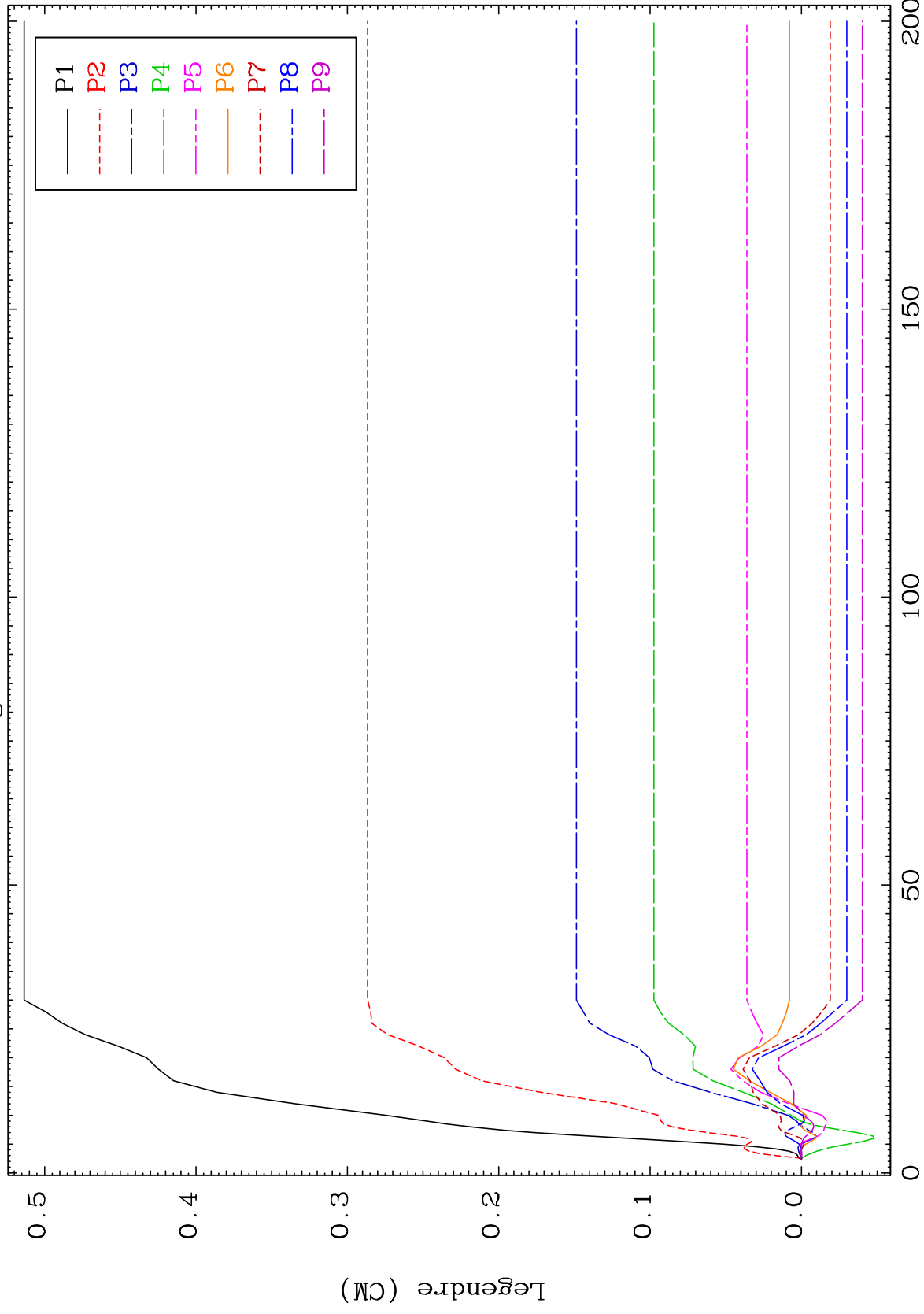
60-Nd-144



MAT 6031

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

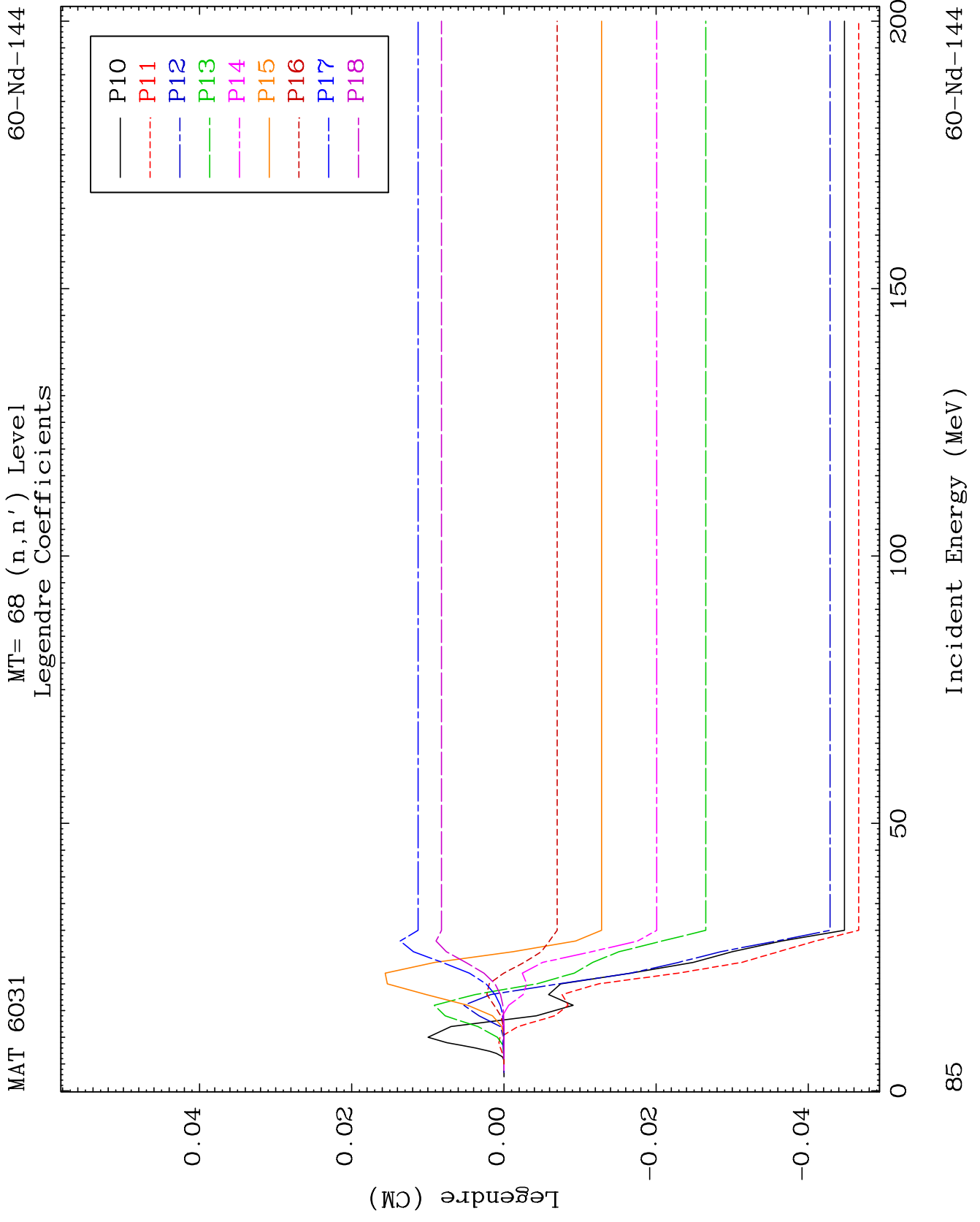
60-Nd-144



84

Incident Energy (MeV)

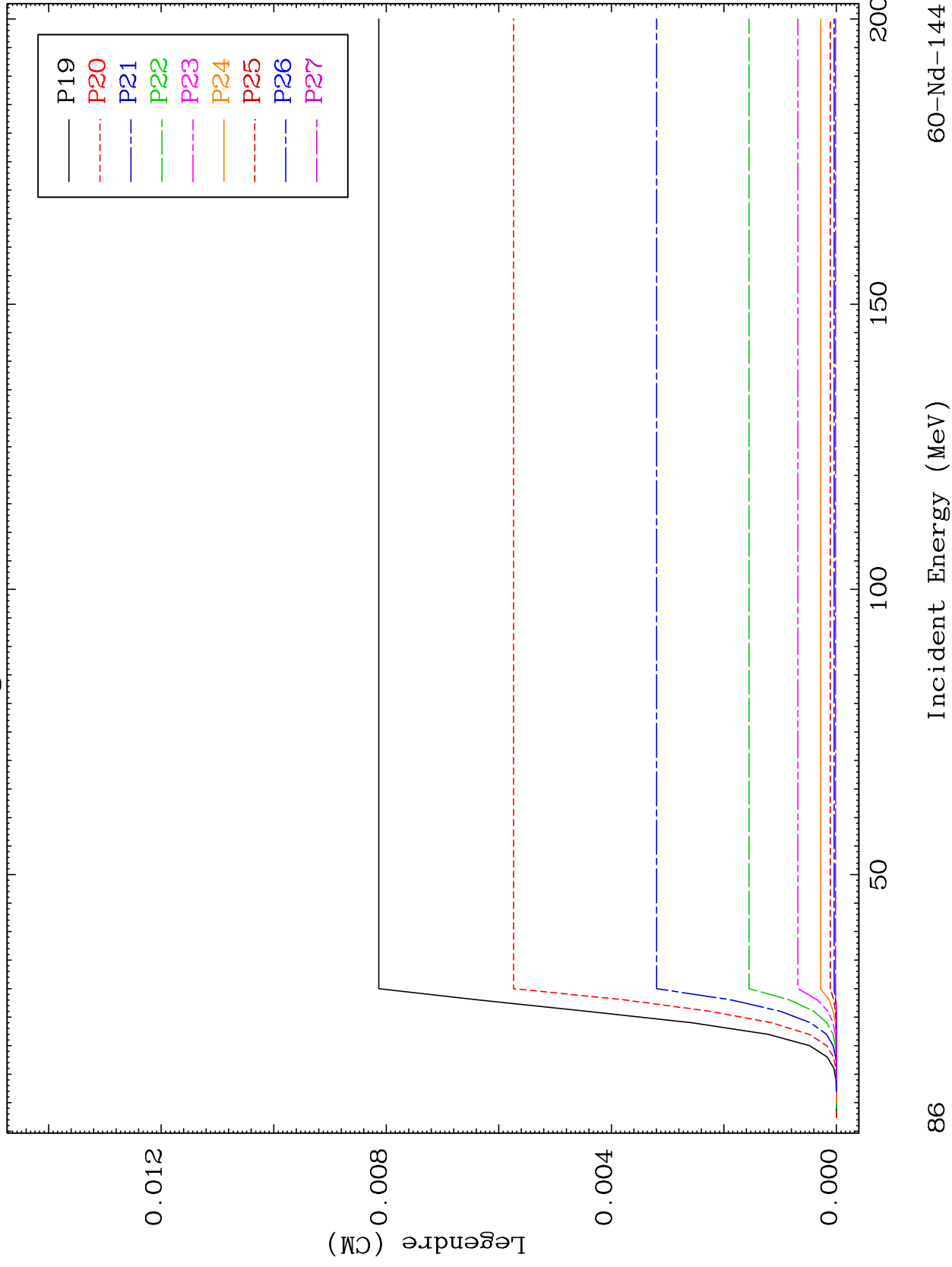
60-Nd-144



MAT 6031

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

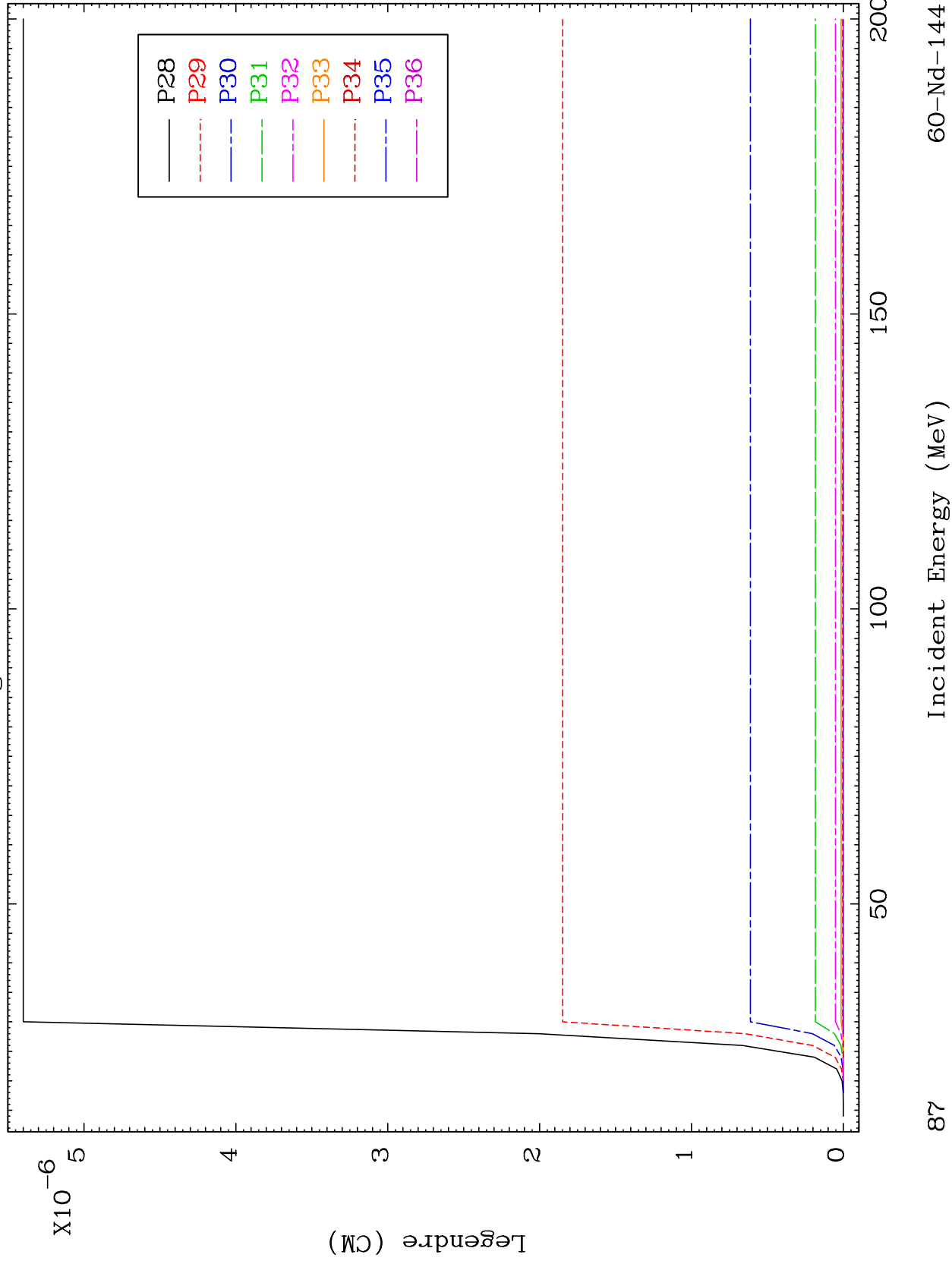
60-Nd-144



MAT 6031

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

60-Nd-144

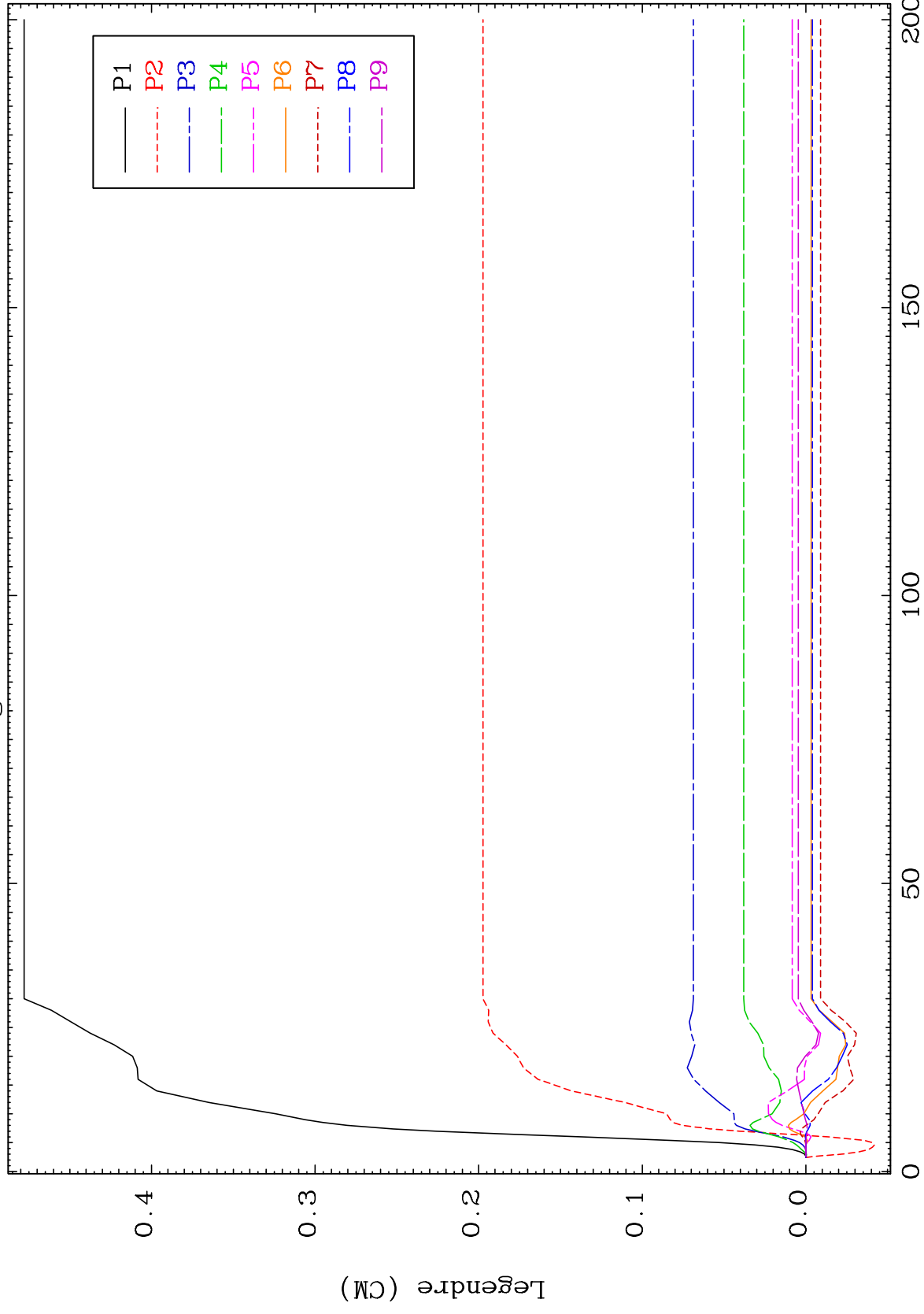




MAT 6031

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

60-Nd-144



60-Nd-144

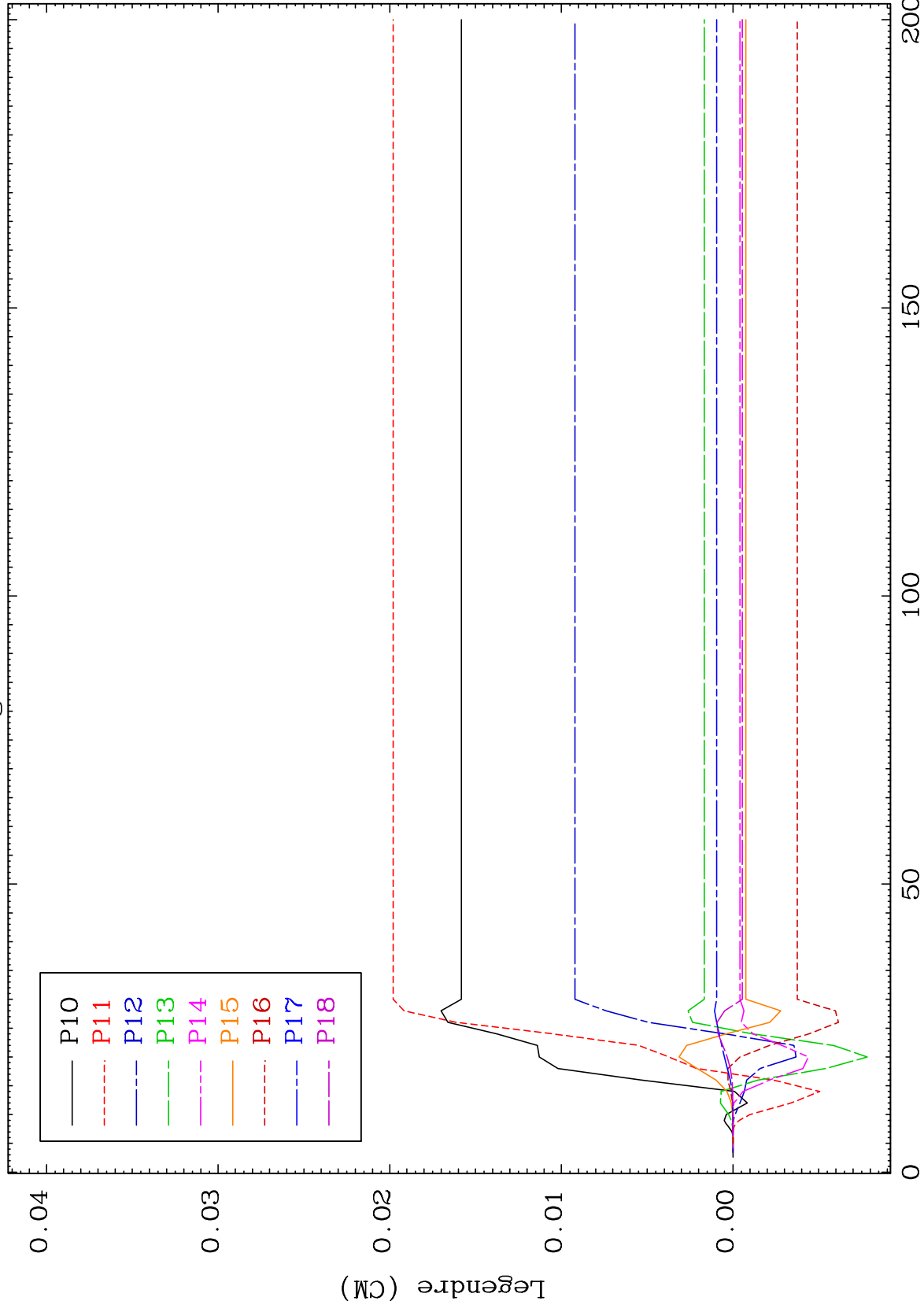
Incident Energy (MeV)

88

MAT 6031

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

60-Nd-144



89

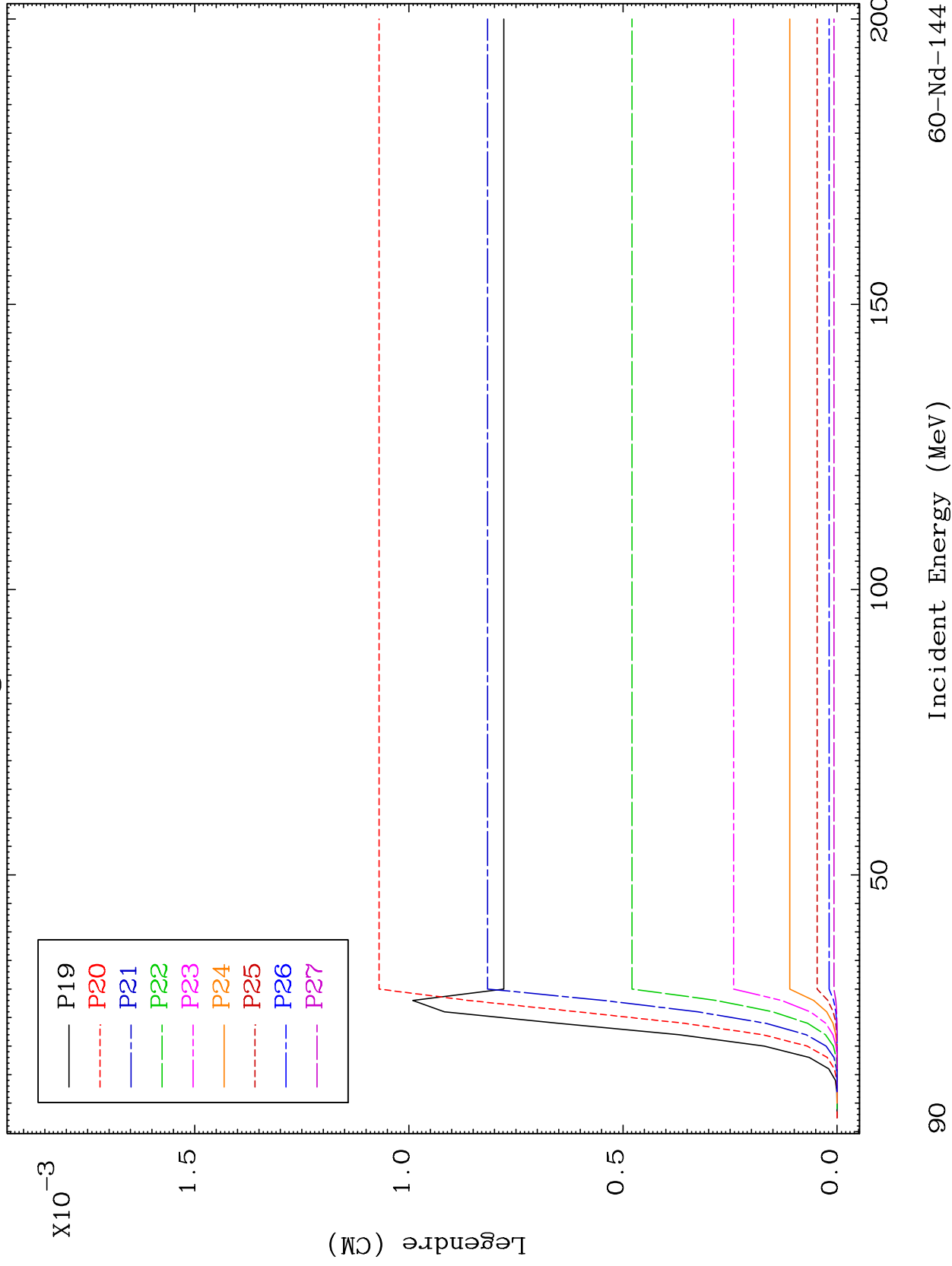
Incident Energy (MeV)

60-Nd-144

MAT 6031

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

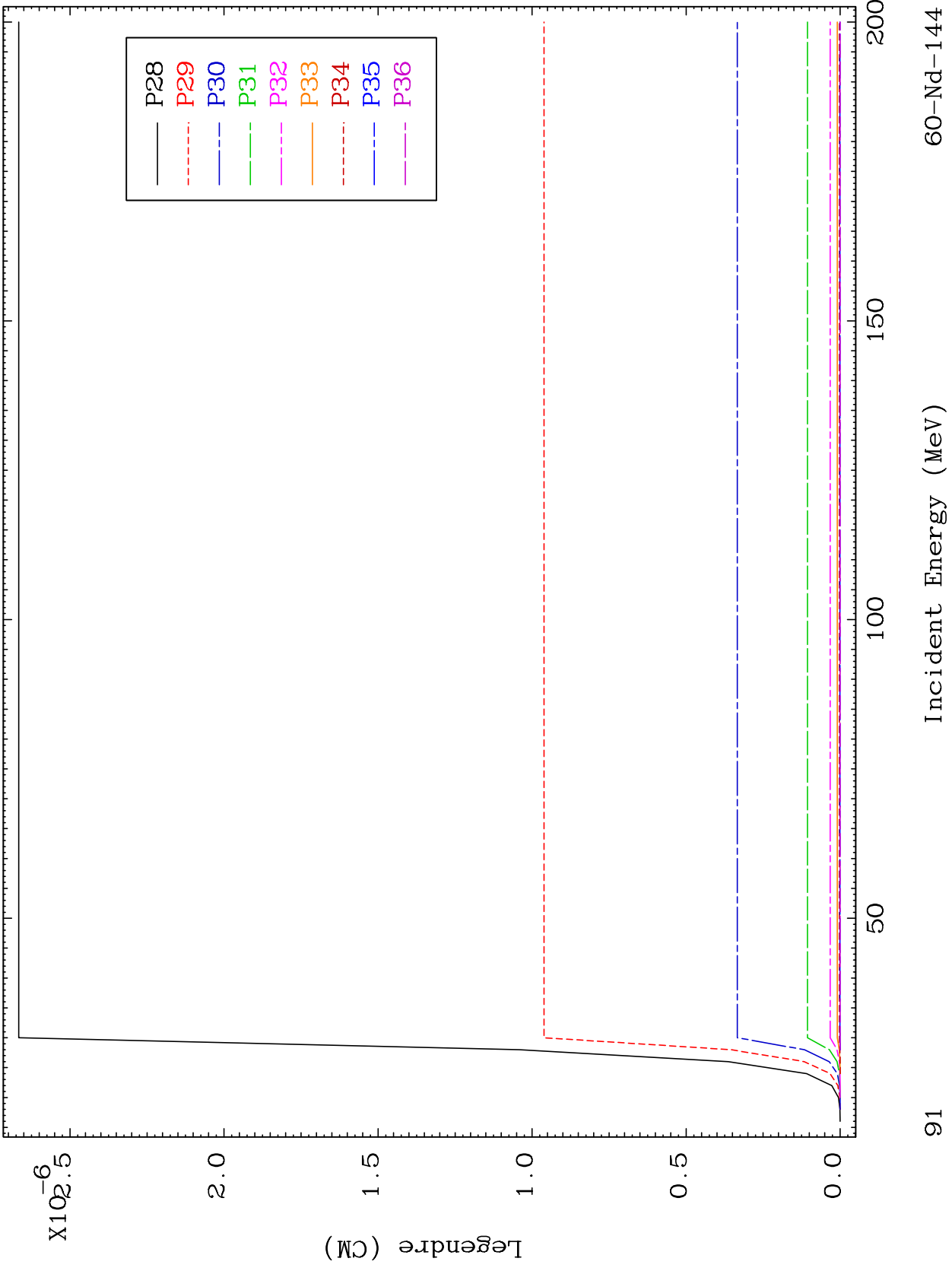
60-Nd-144



MAT 6031

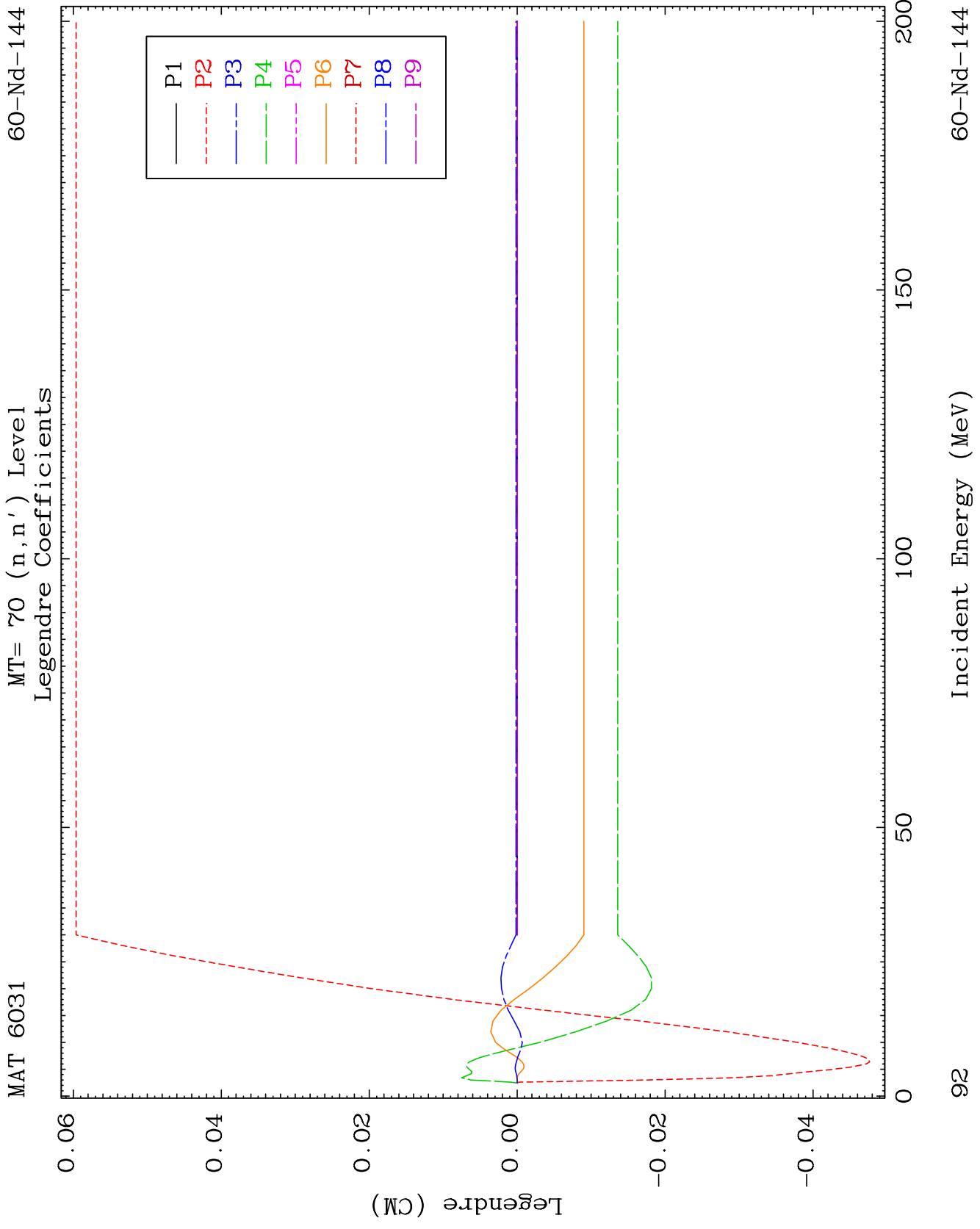
MT= 69 (n,n') Level  
Legendre Coefficients

60-Nd-144



91

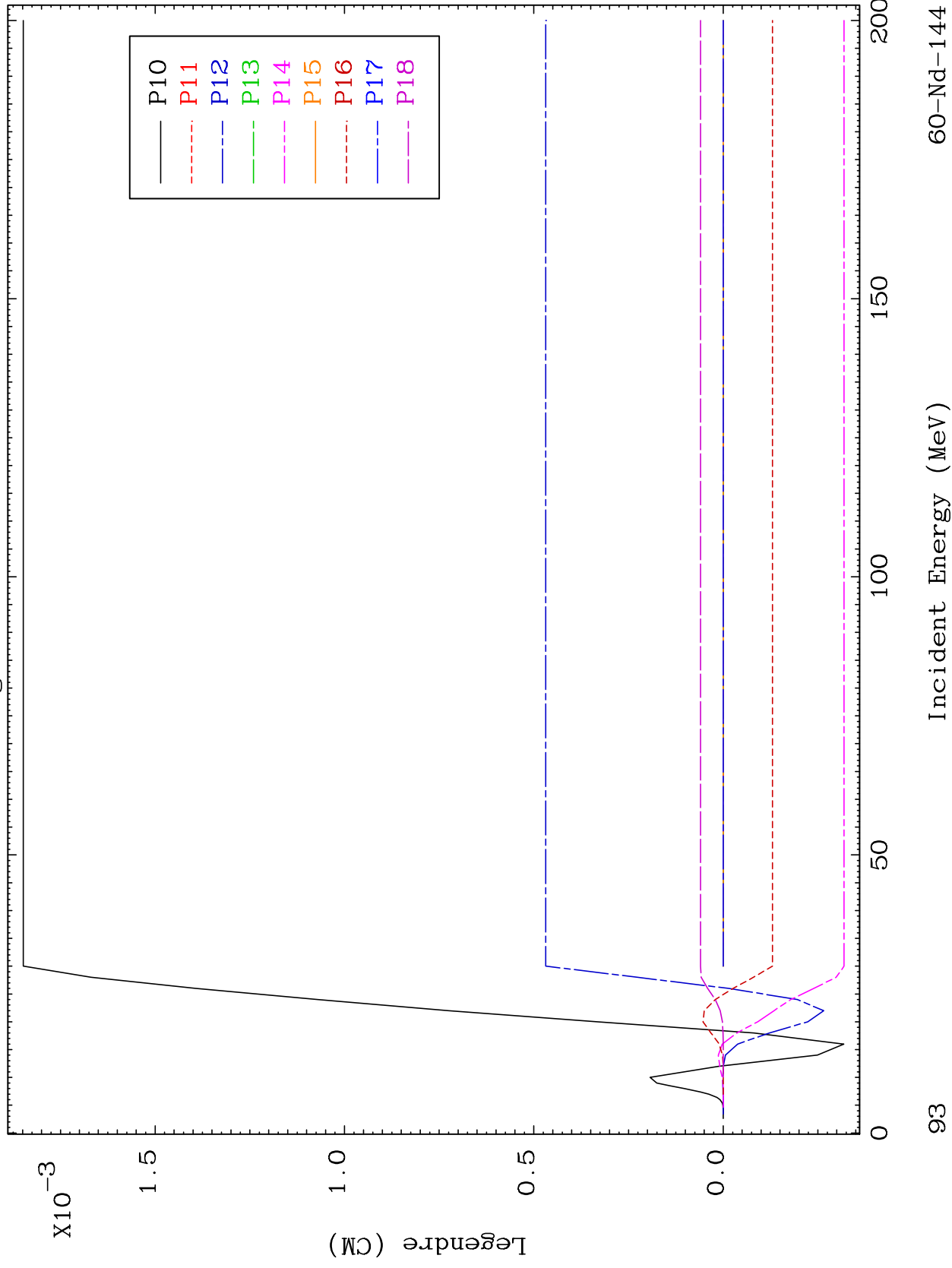
60-Nd-144



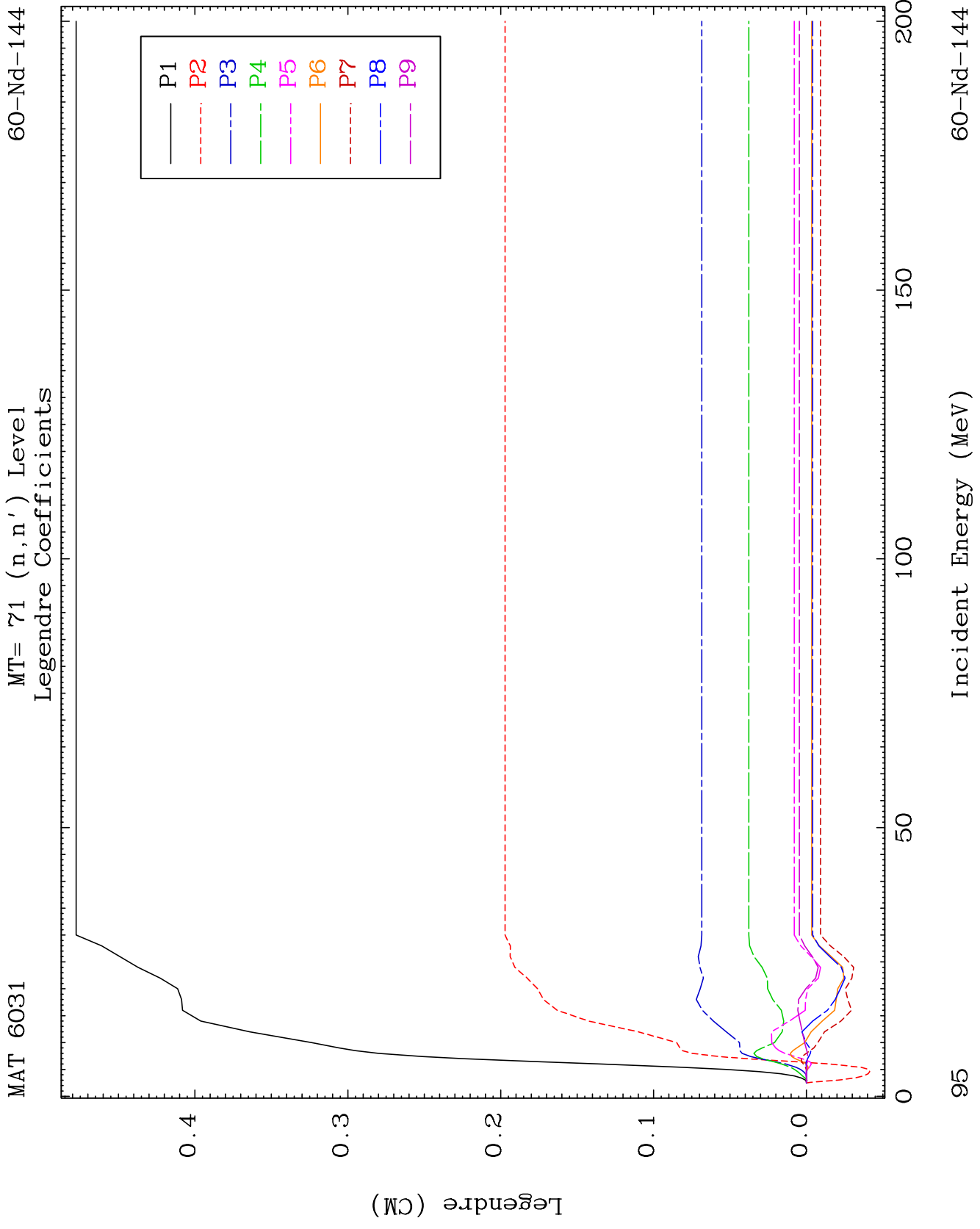
MAT 6031

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

60-Nd-144





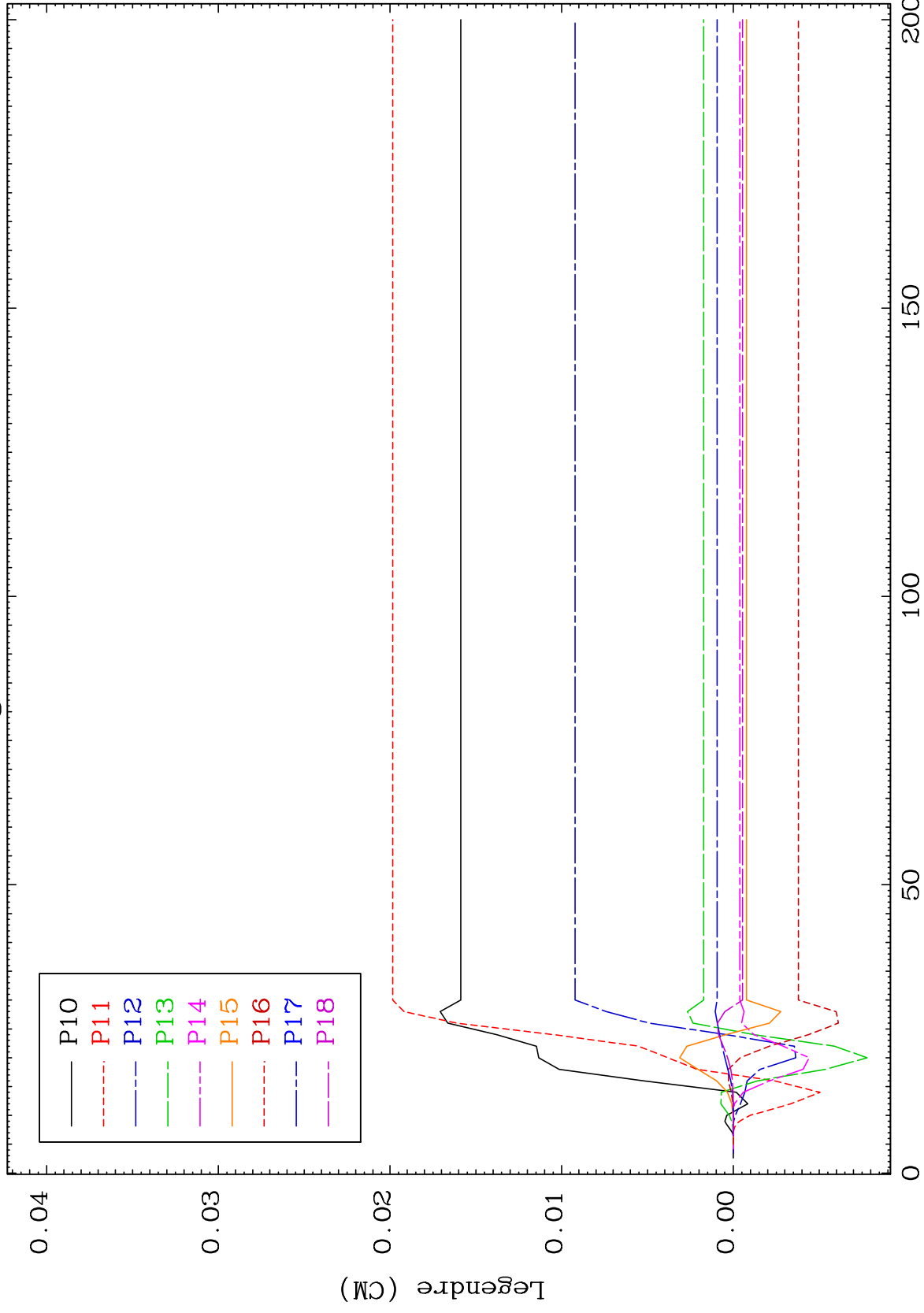




MAT 6031

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

60-Nd-144



96

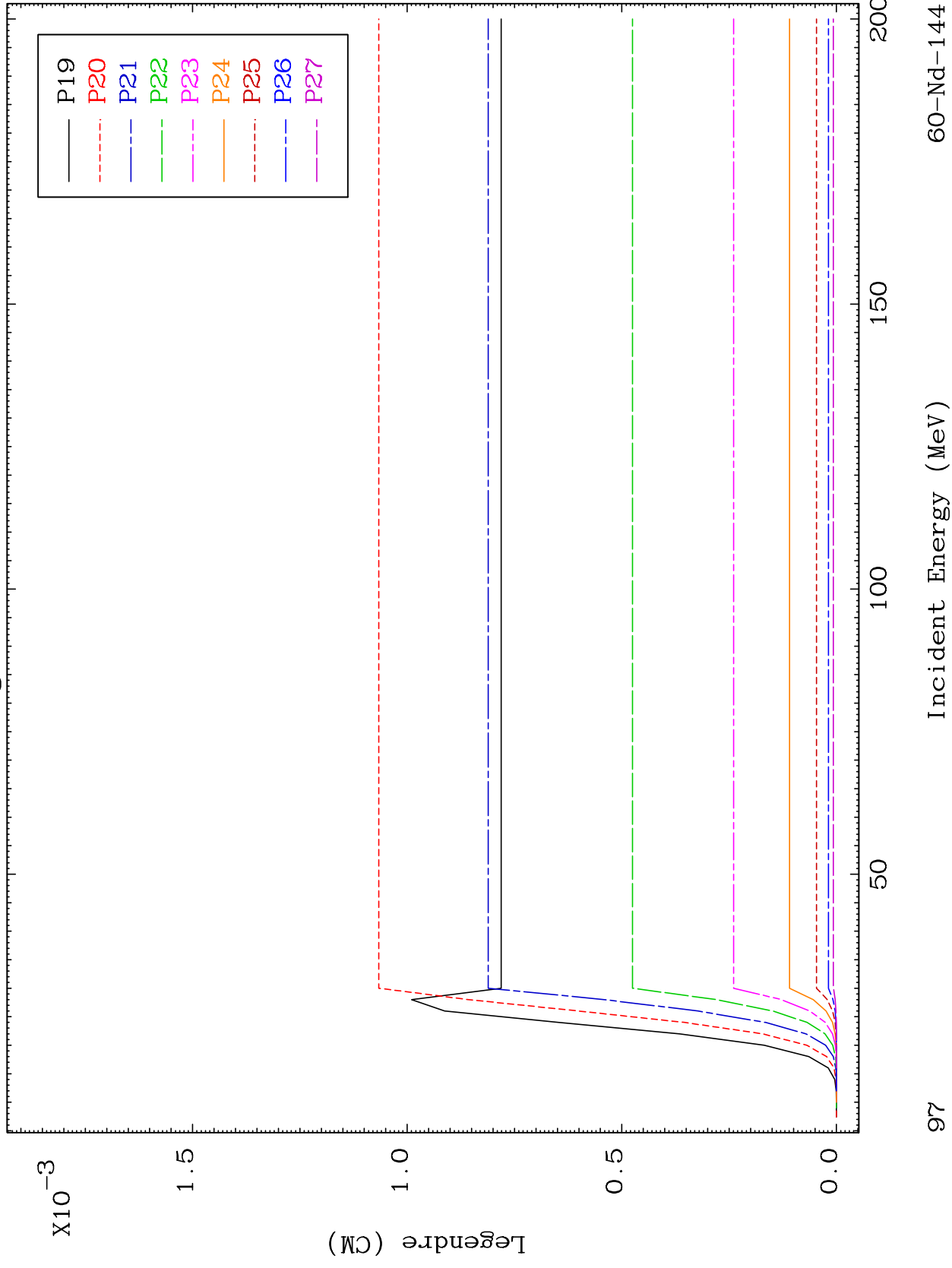
Incident Energy (MeV)

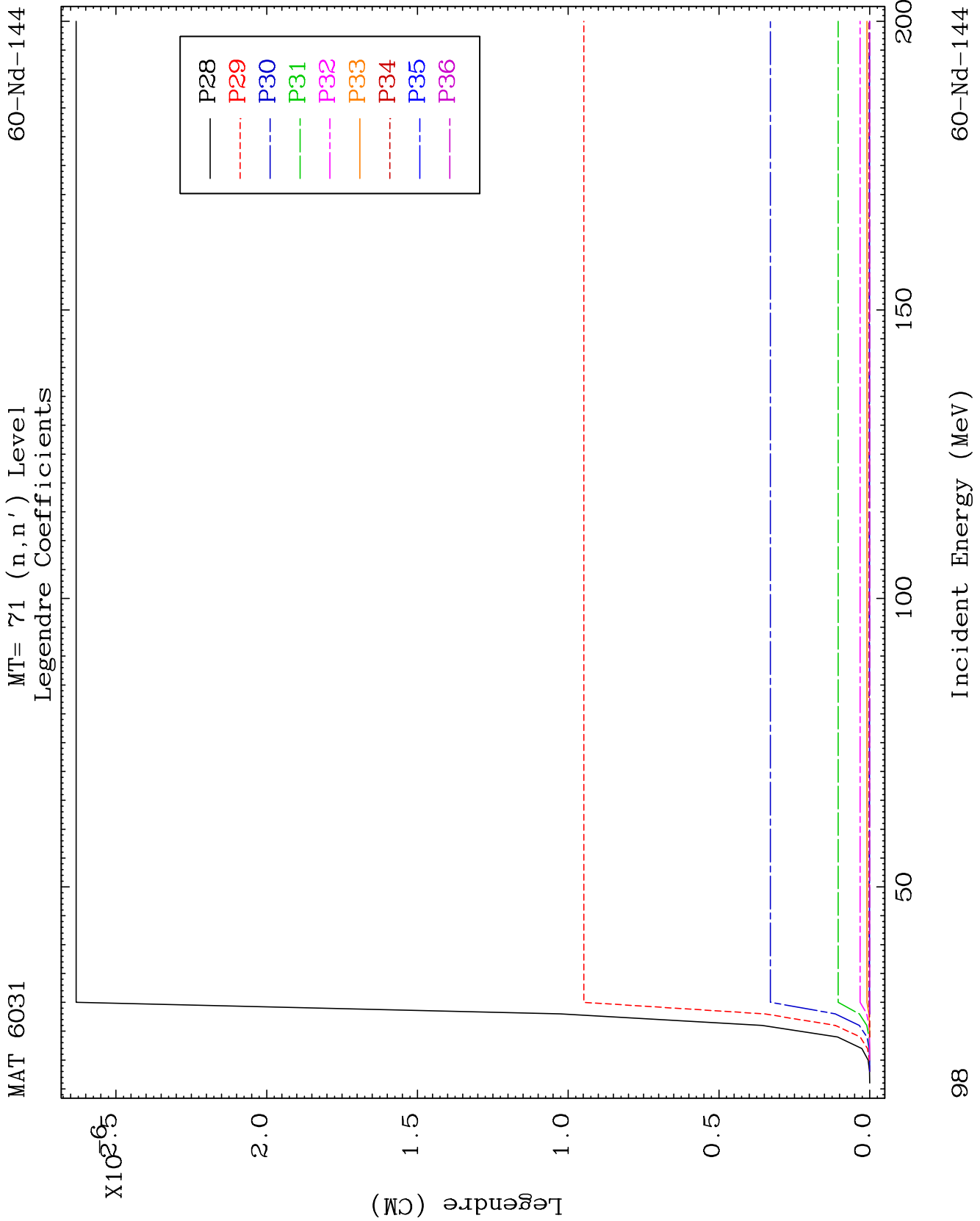
60-Nd-144

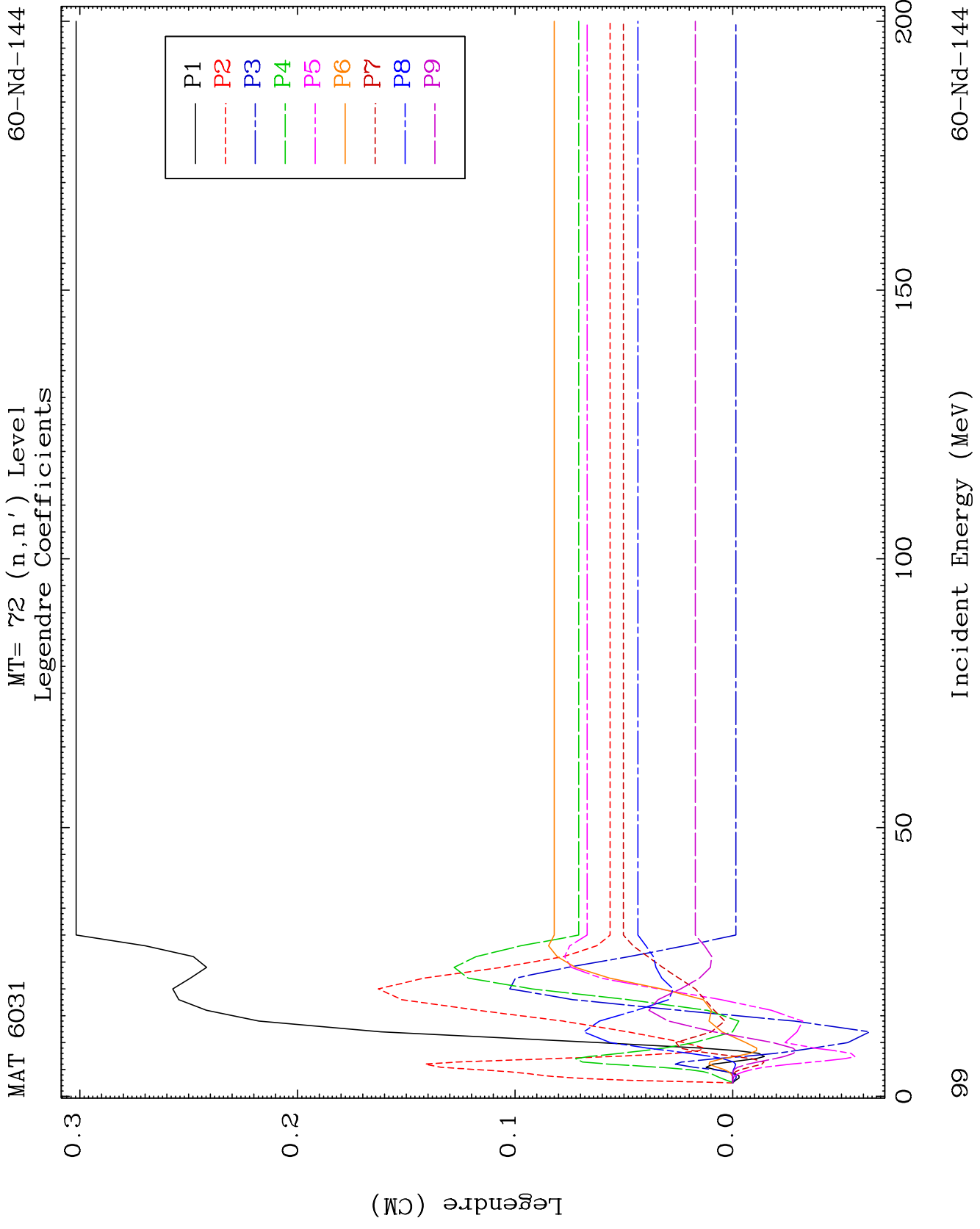
MAT 6031

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

60-Nd-144



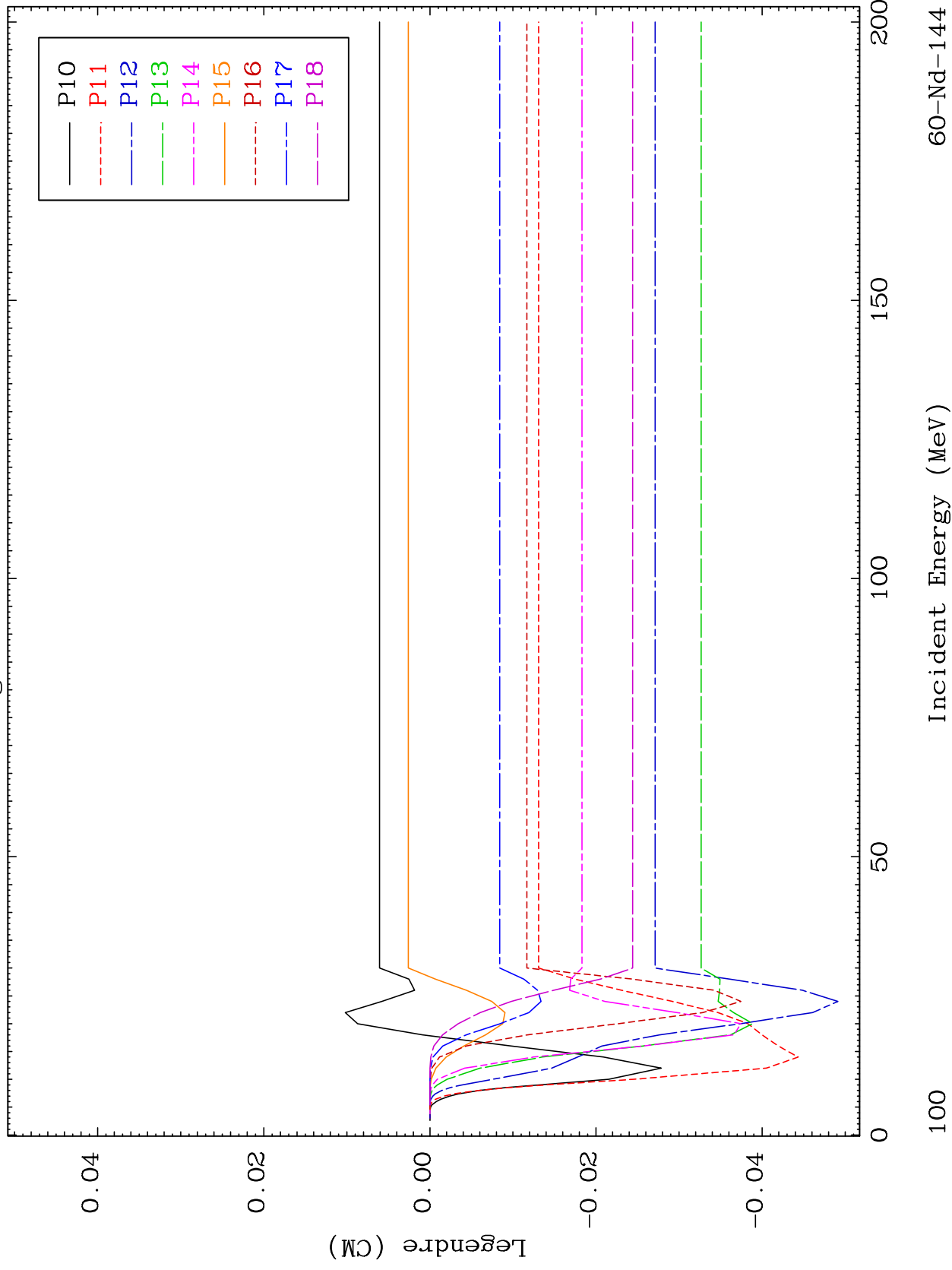




MAT 6031

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

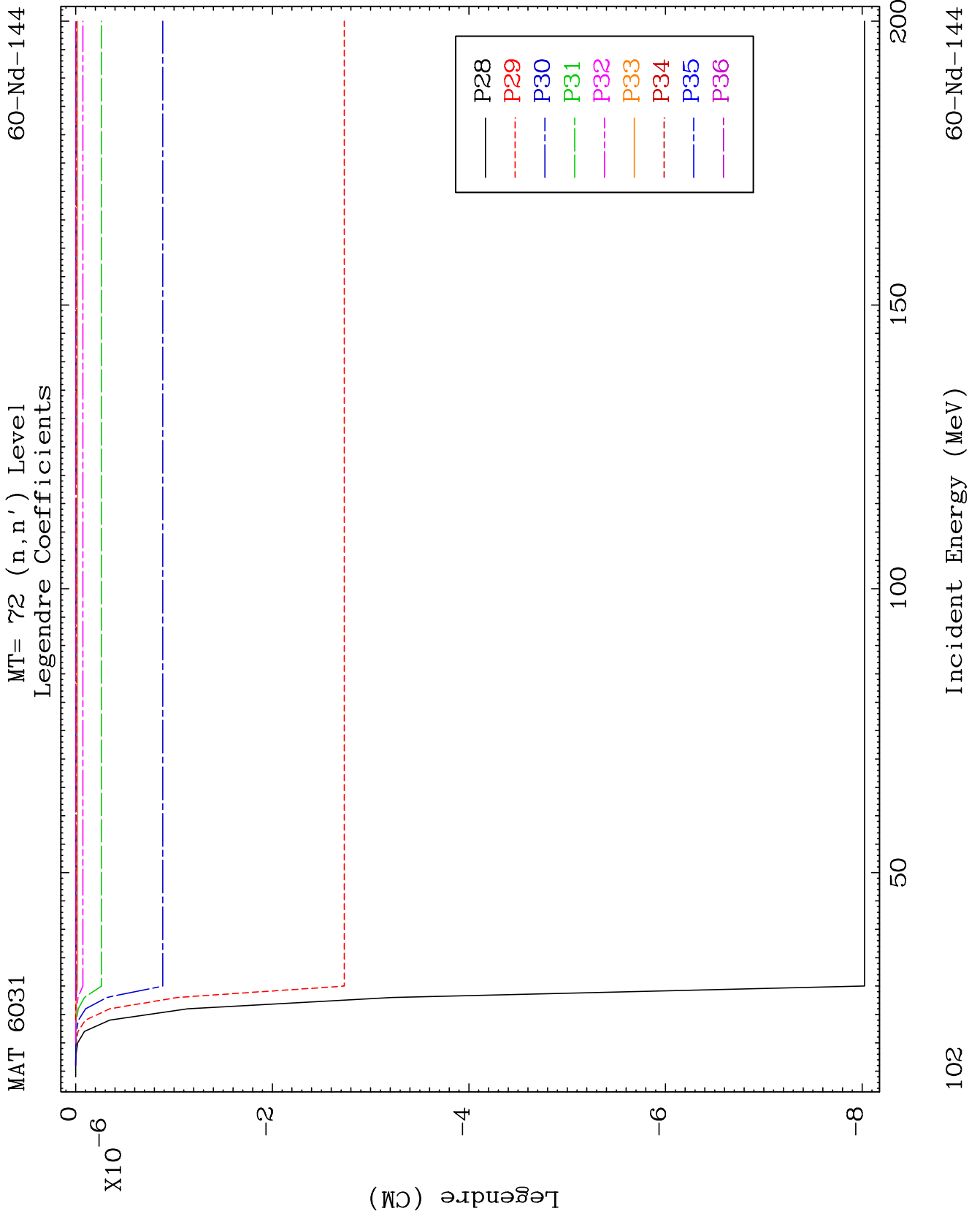
60-Nd-144



60-Nd-144

Incident Energy (MeV)

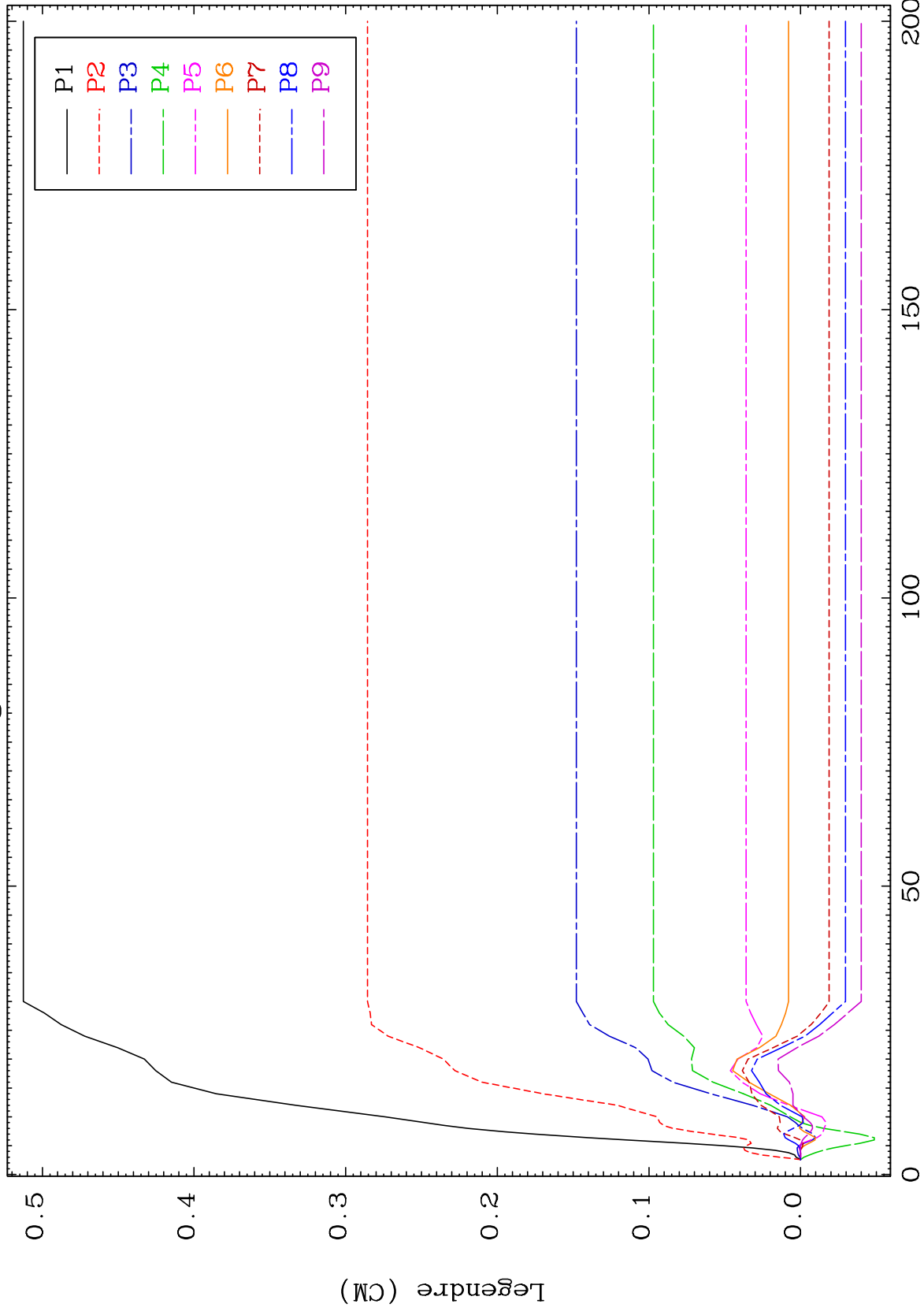




MAT 6031

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

60-Nd-144



60-Nd-144

Incident Energy (MeV)

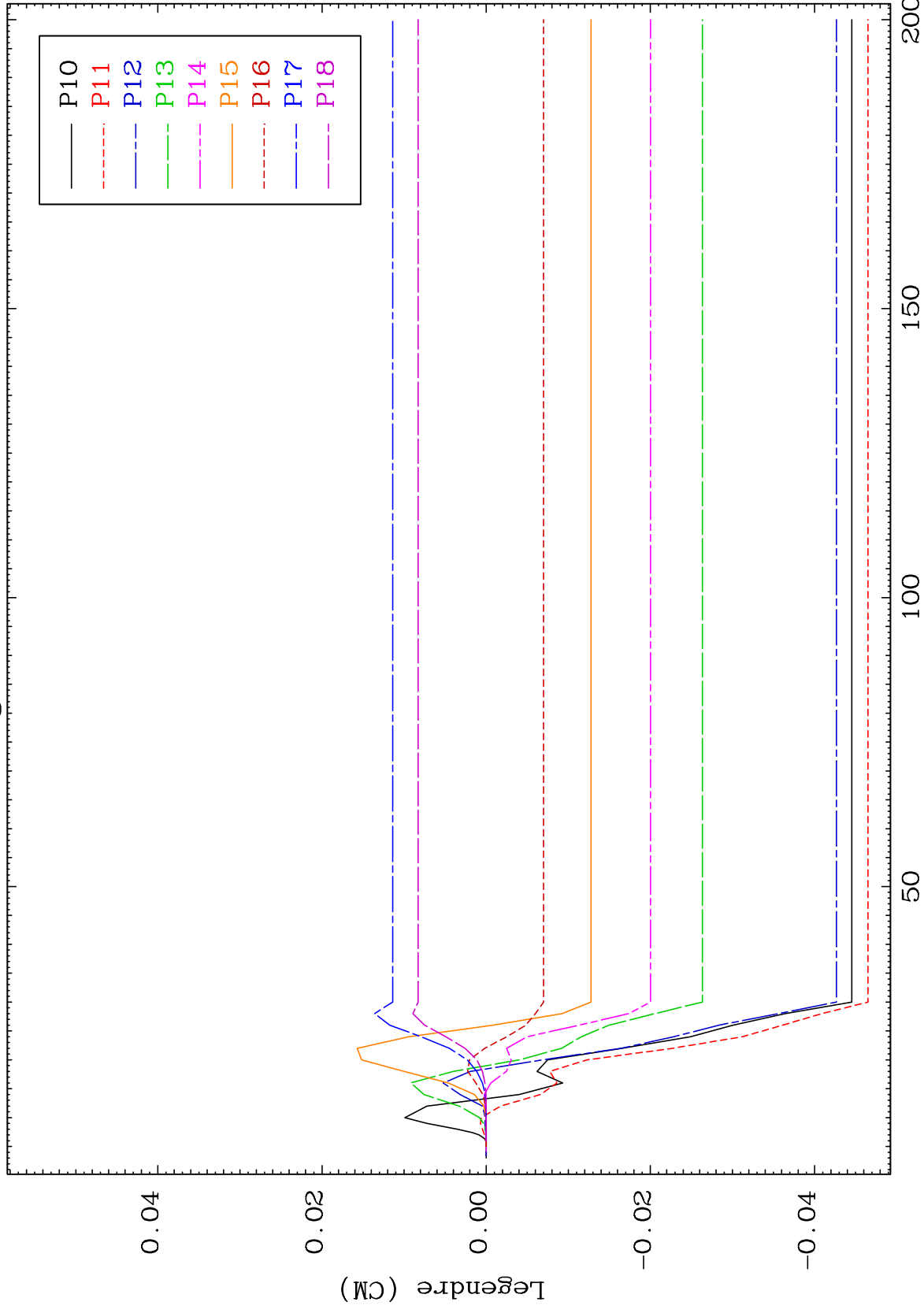
103



MAT 6031

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

60-Nd-144



104

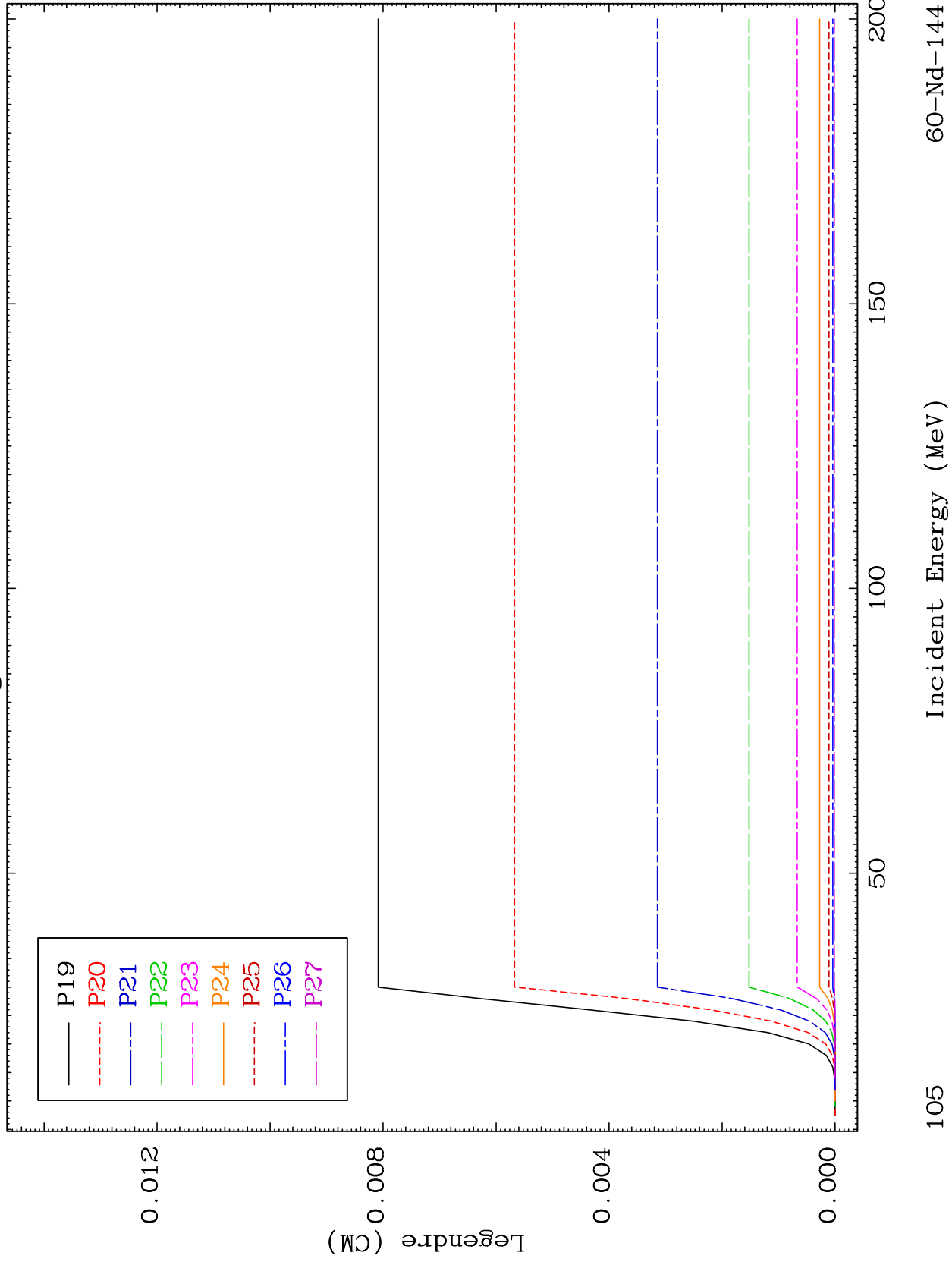
Incident Energy (MeV)

60-Nd-144

MAT 6031

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

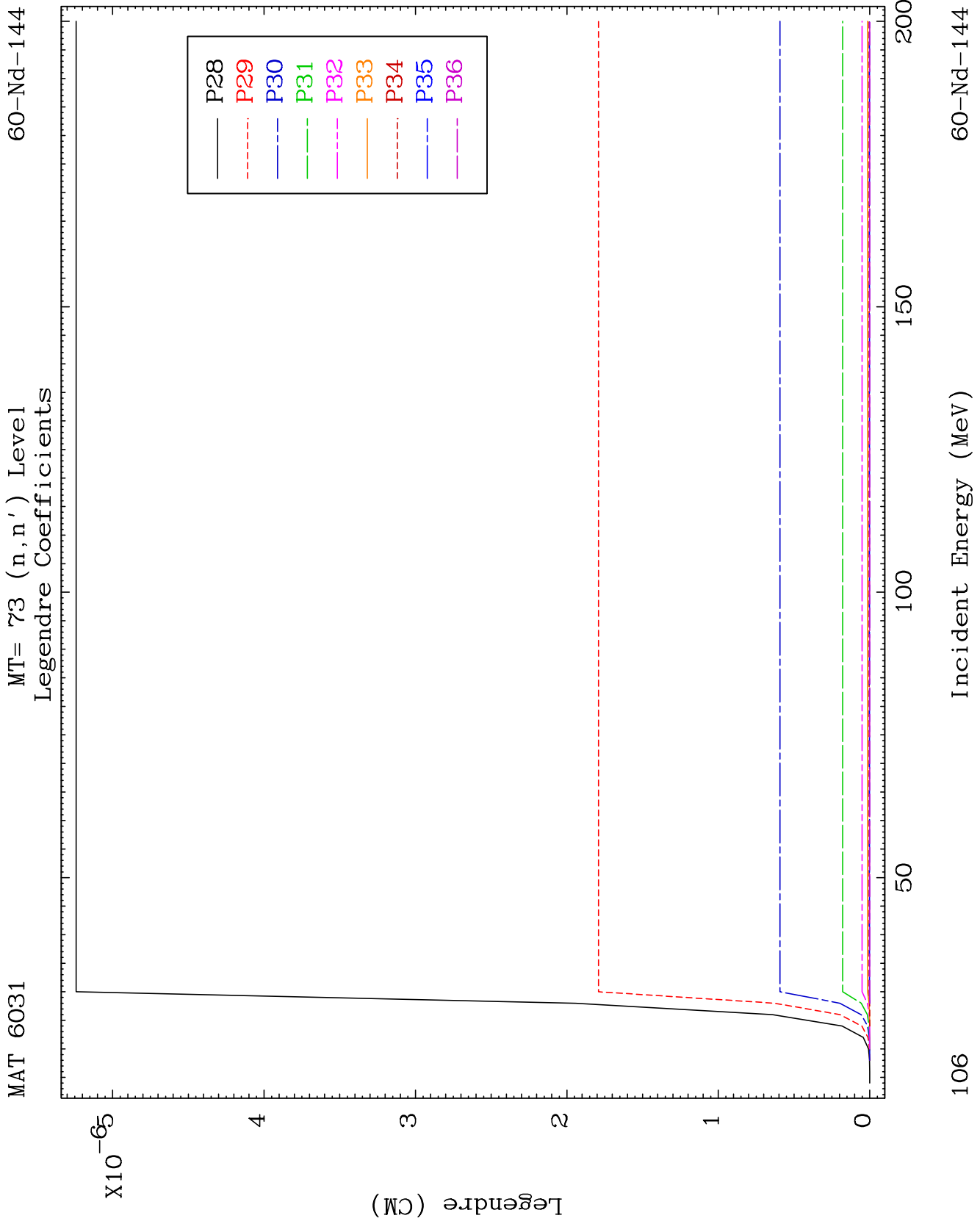
60-Nd-144



105

Incident Energy (MeV)

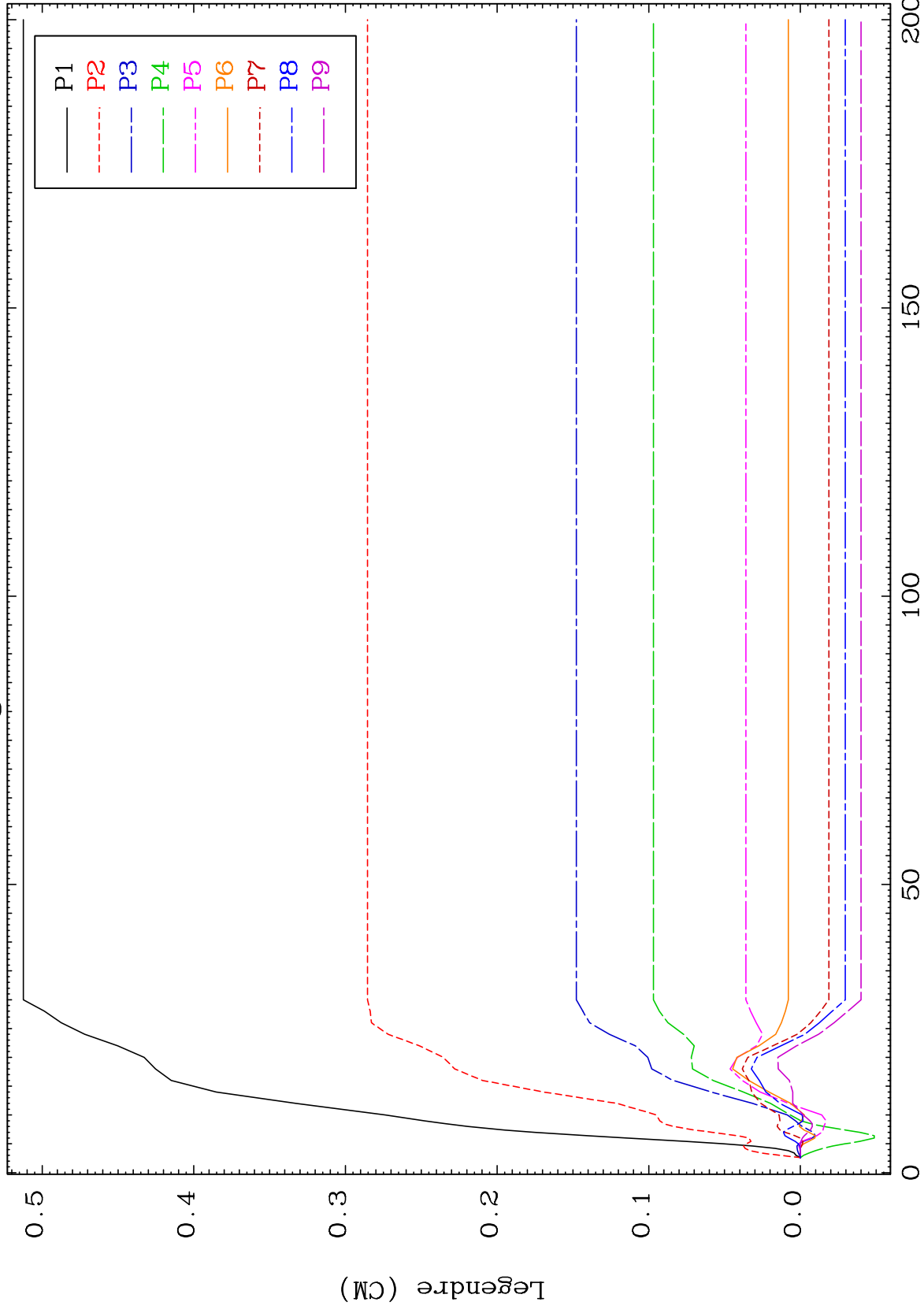
60-Nd-144



MAT 6031

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

60-Nd-144



107

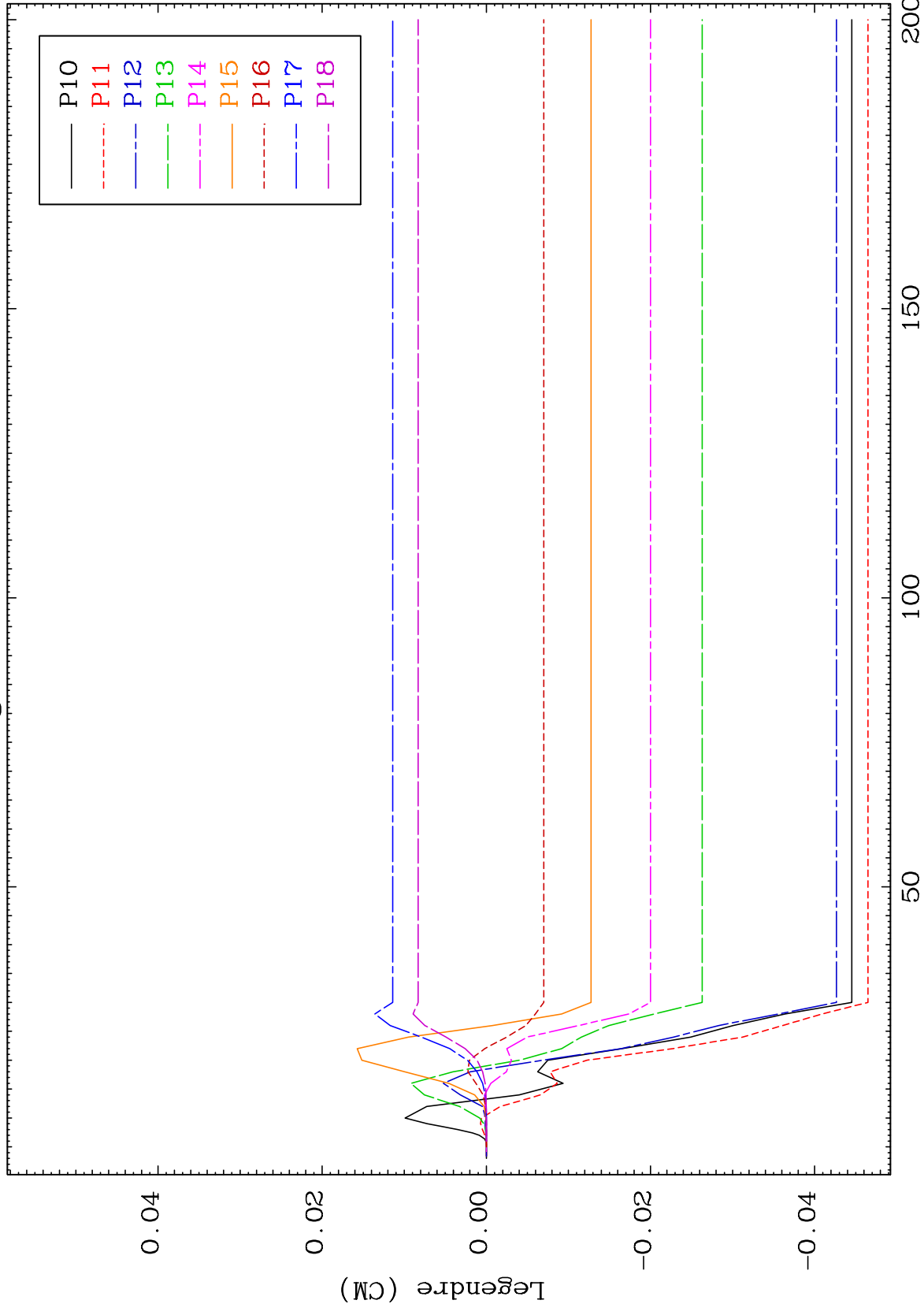
Incident Energy (MeV)

60-Nd-144

MAT 6031

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

60-Nd-144



108

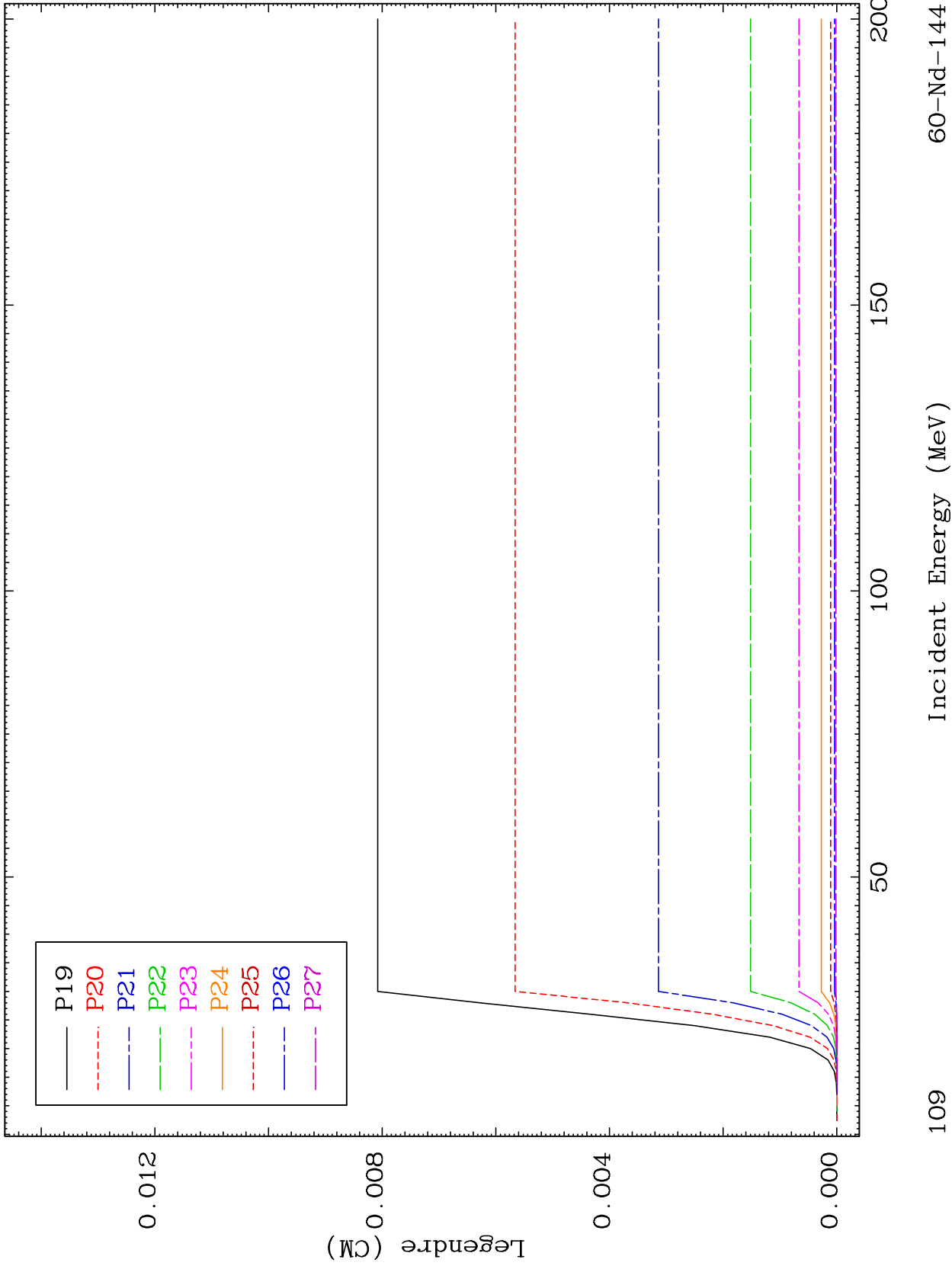
Incident Energy (MeV)

60-Nd-144

MAT 6031

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

60-Nd-144



109

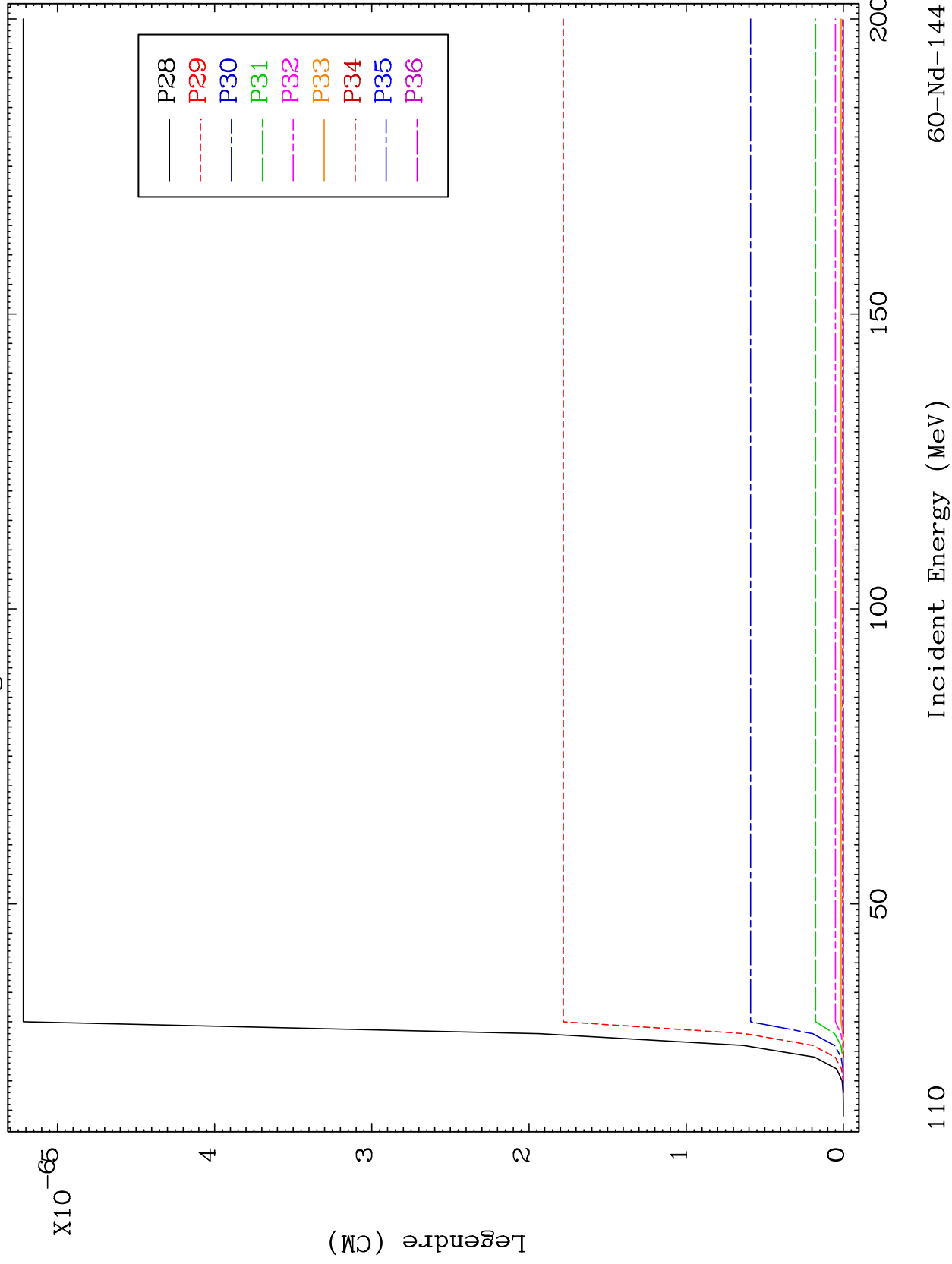
Incident Energy (MeV)

60-Nd-144

MAT 6031

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

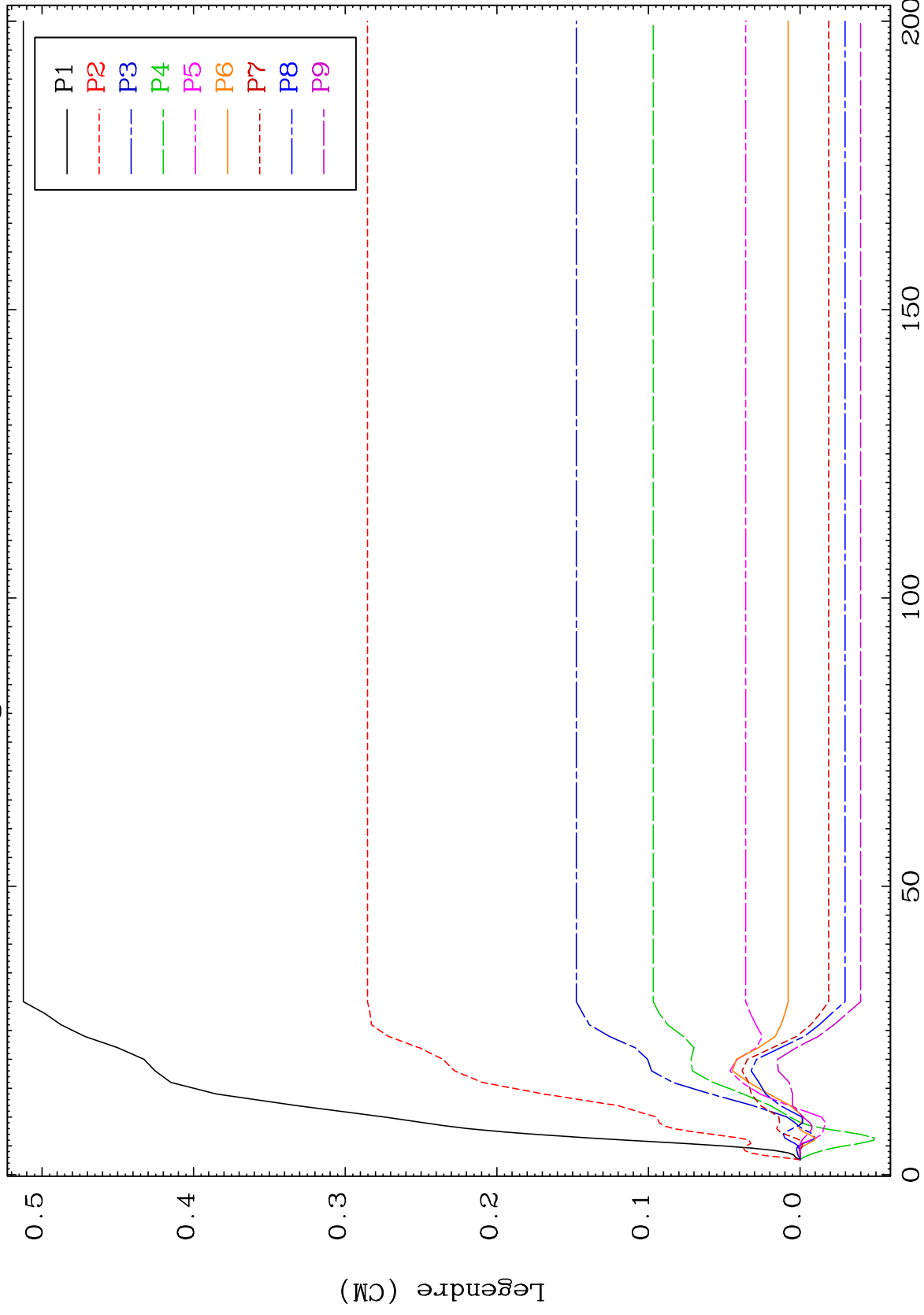
60-Nd-144



MAT 6031

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

60-Nd-144

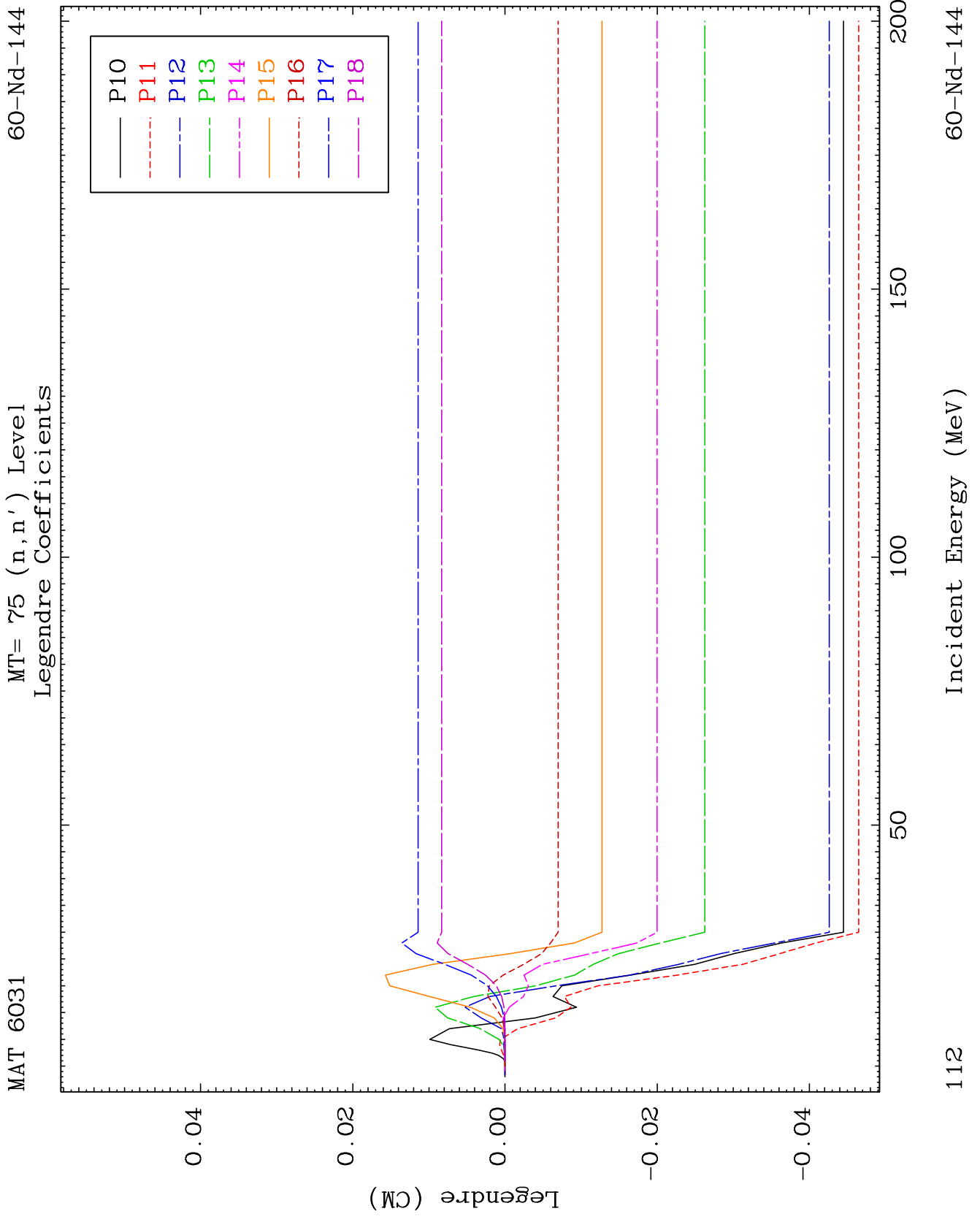


111

Incident Energy (MeV)

60-Nd-144

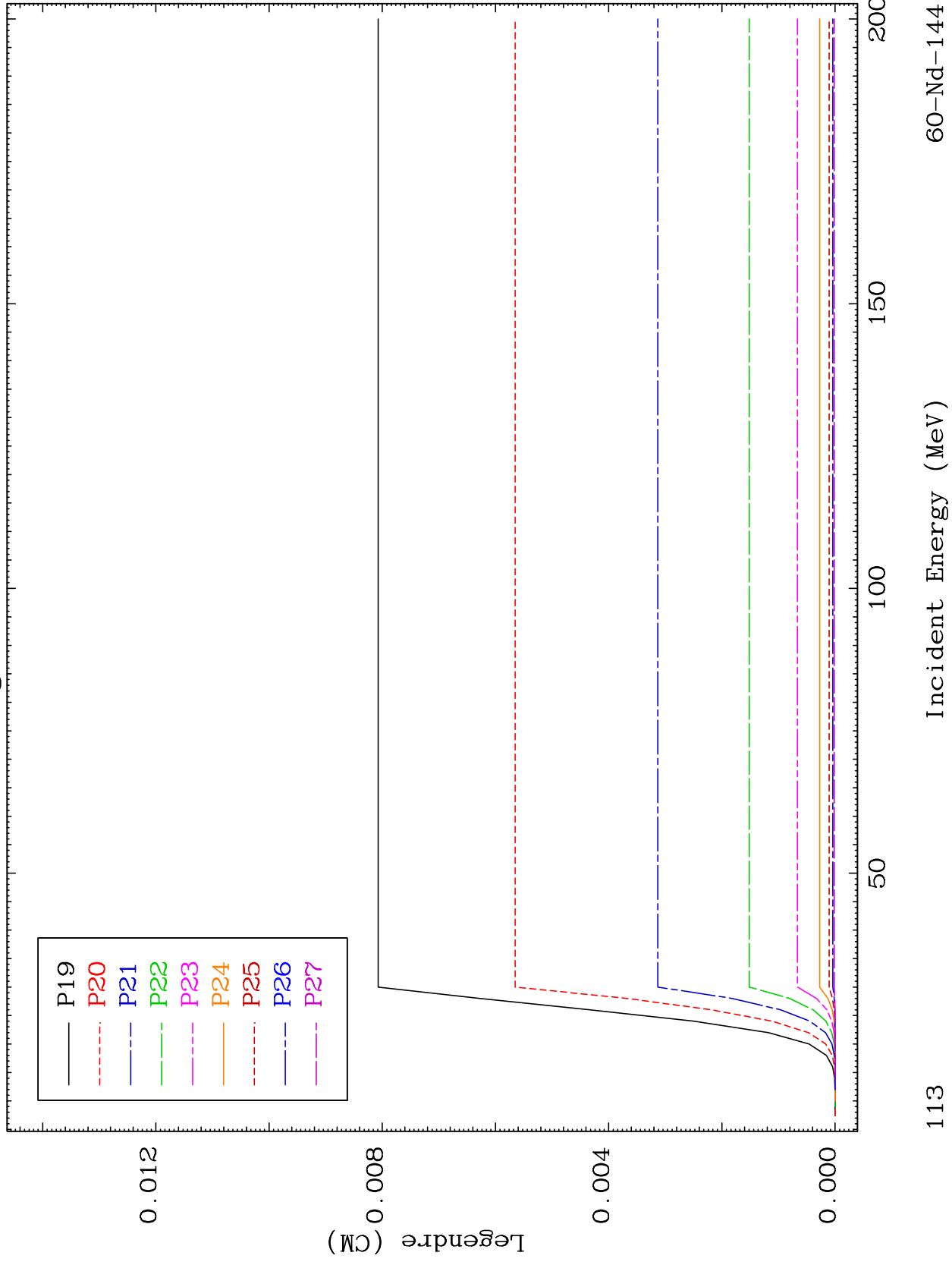




MAT 6031

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

60-Nd-144



113

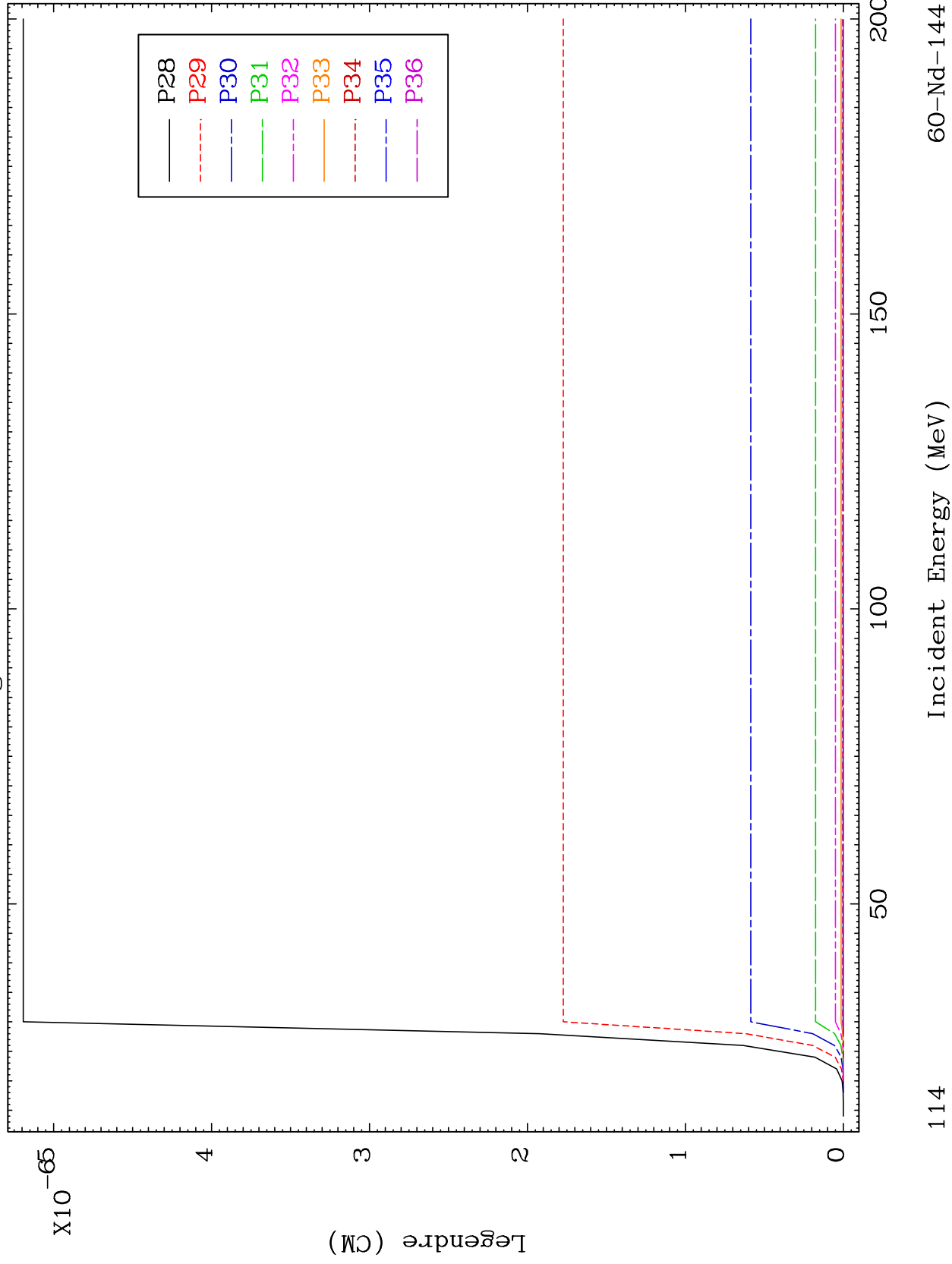
Incident Energy (MeV)

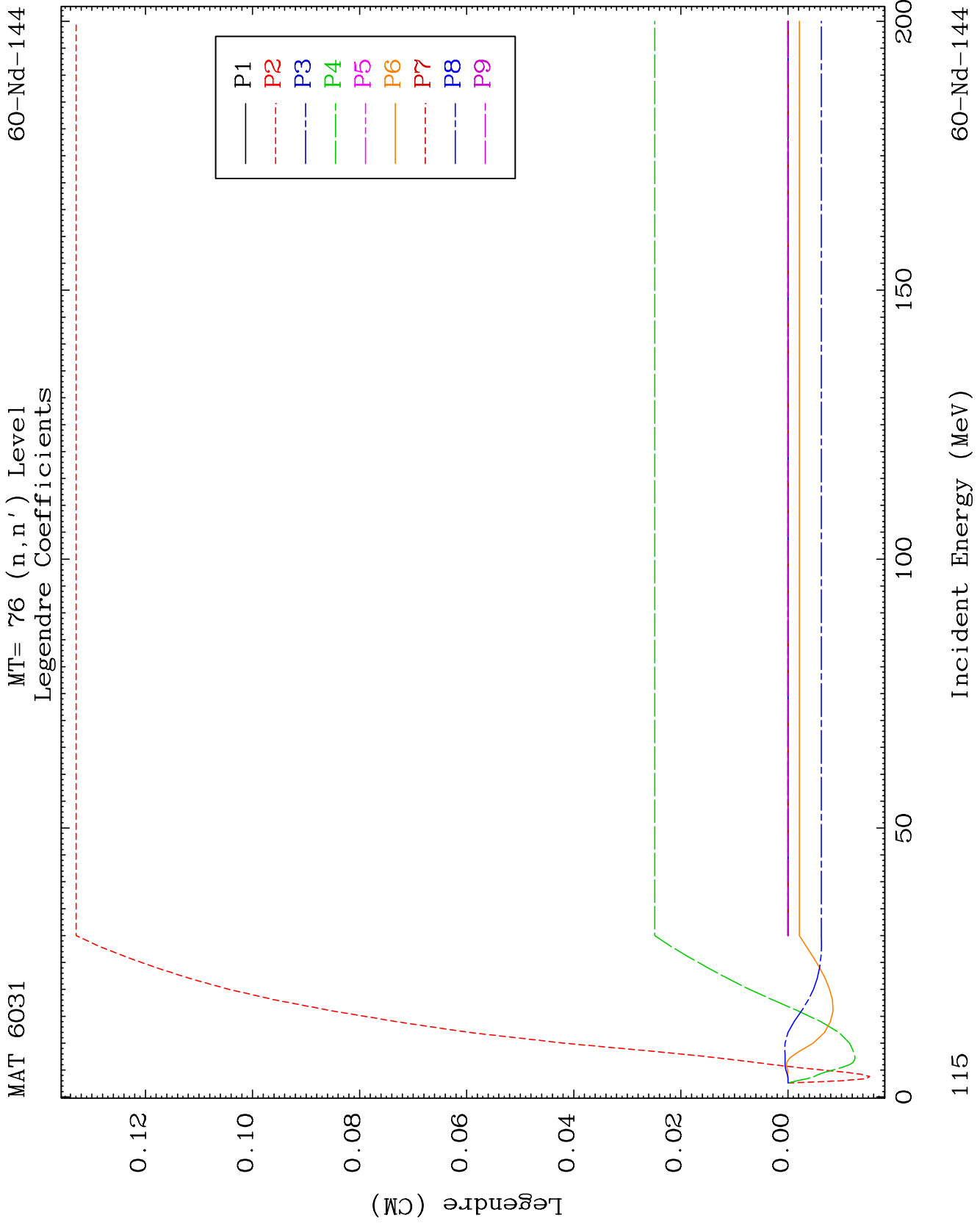
60-Nd-144

MAT 6031

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

60-Nd-144

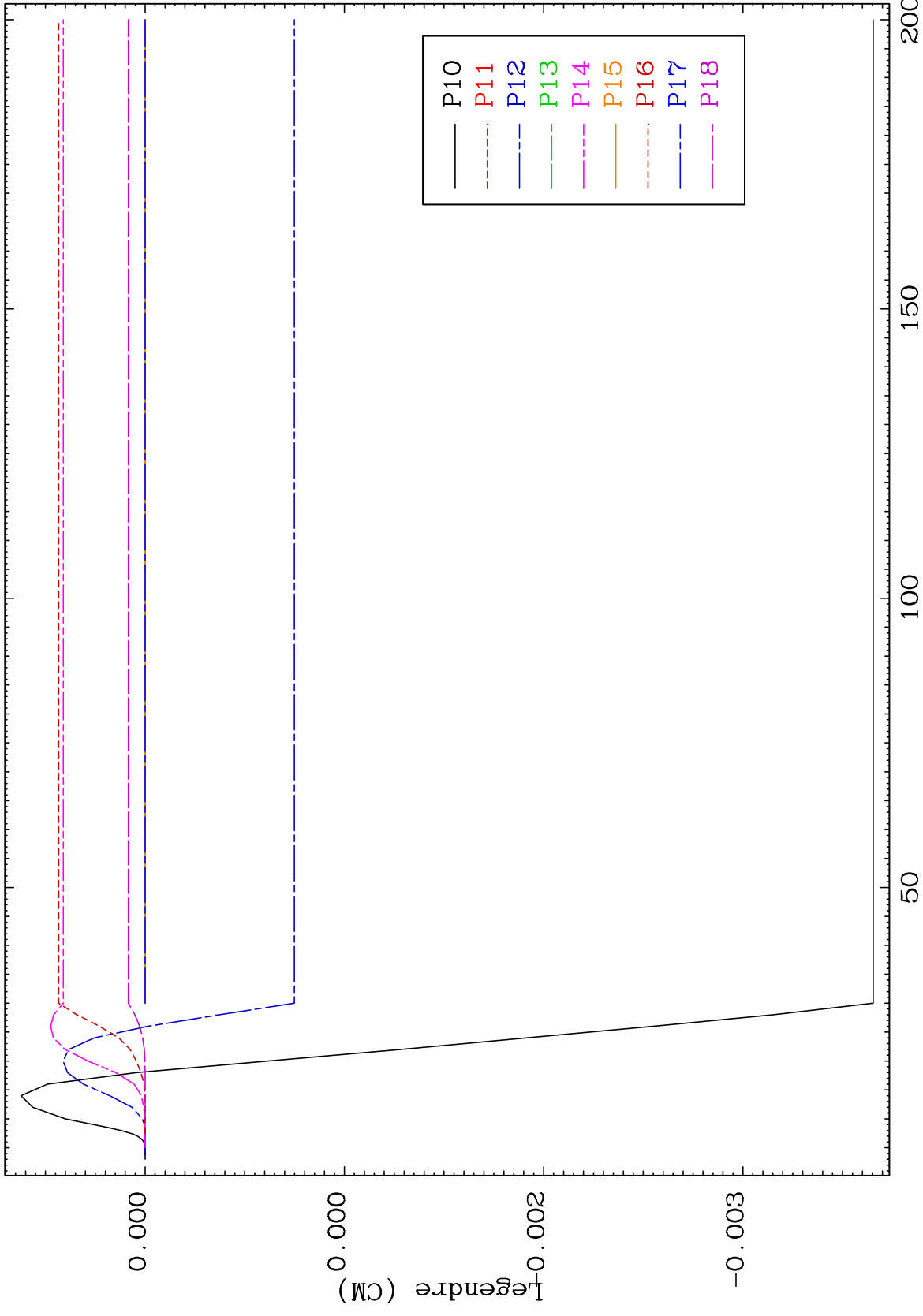




MAT 6031

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

60-Nd-144

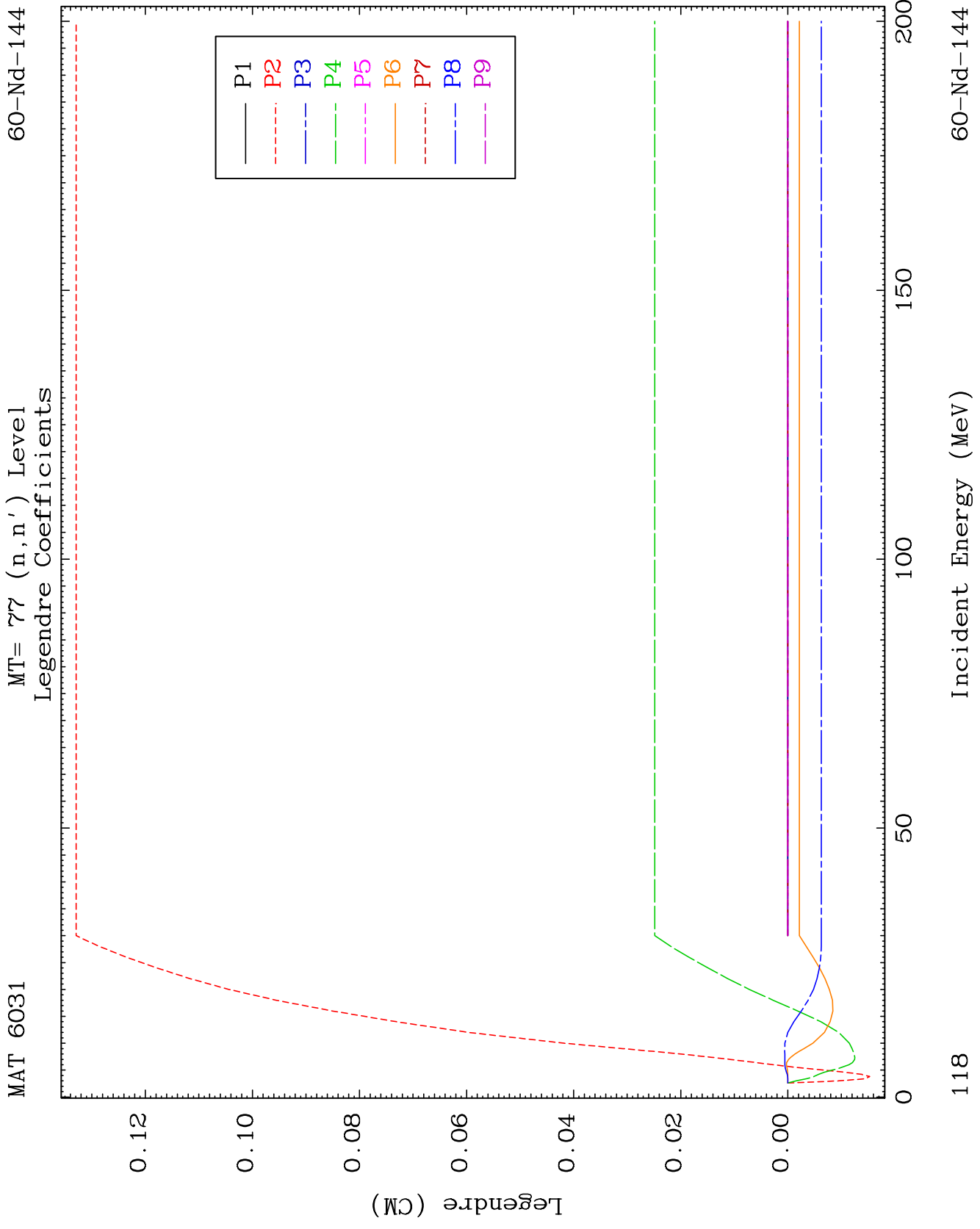


116

Incident Energy (MeV)

60-Nd-144

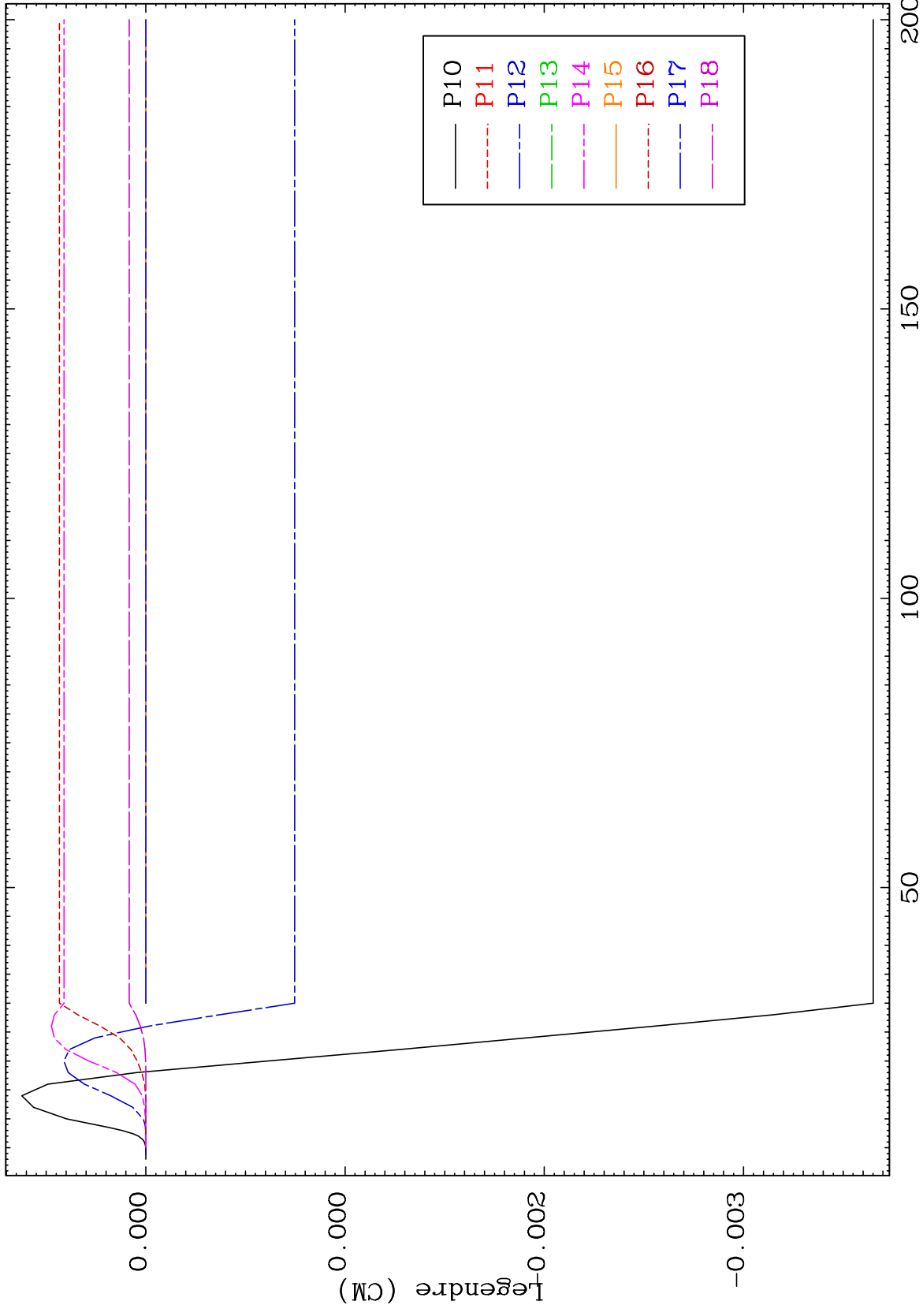




MAT 6031

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

60-Nd-144



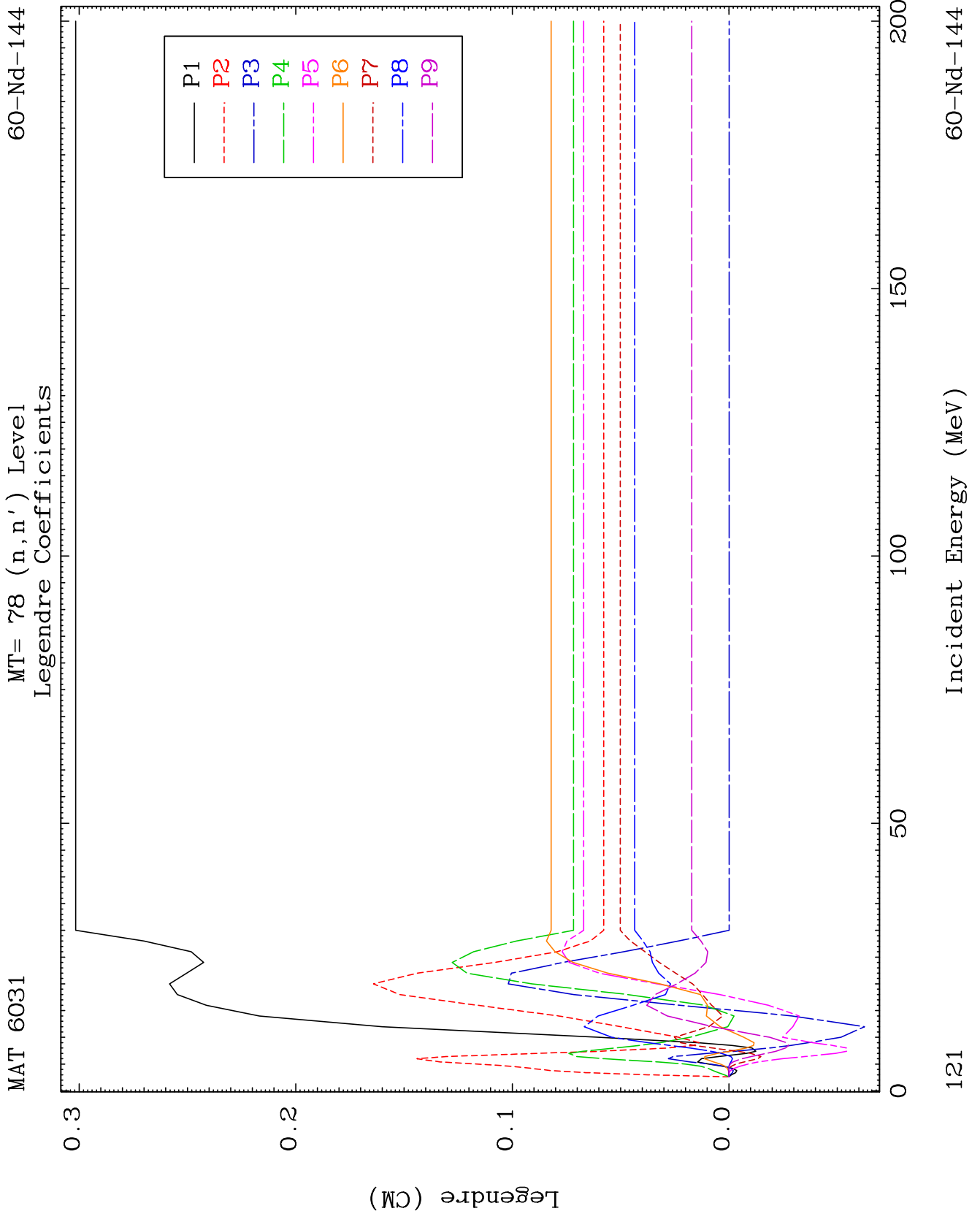
119

Incident Energy (MeV)

60-Nd-144



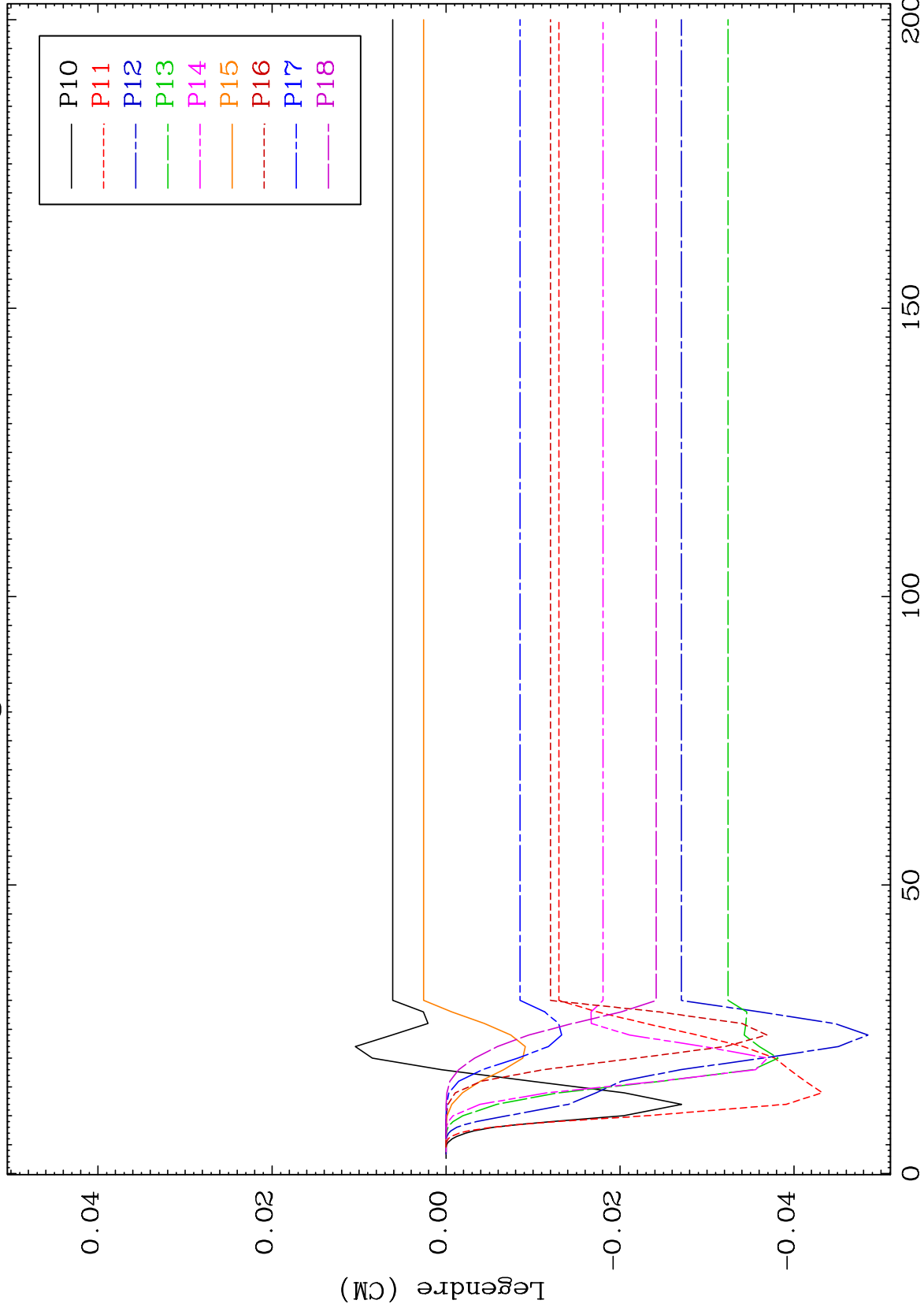




MAT 6031

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

60-Nd-144

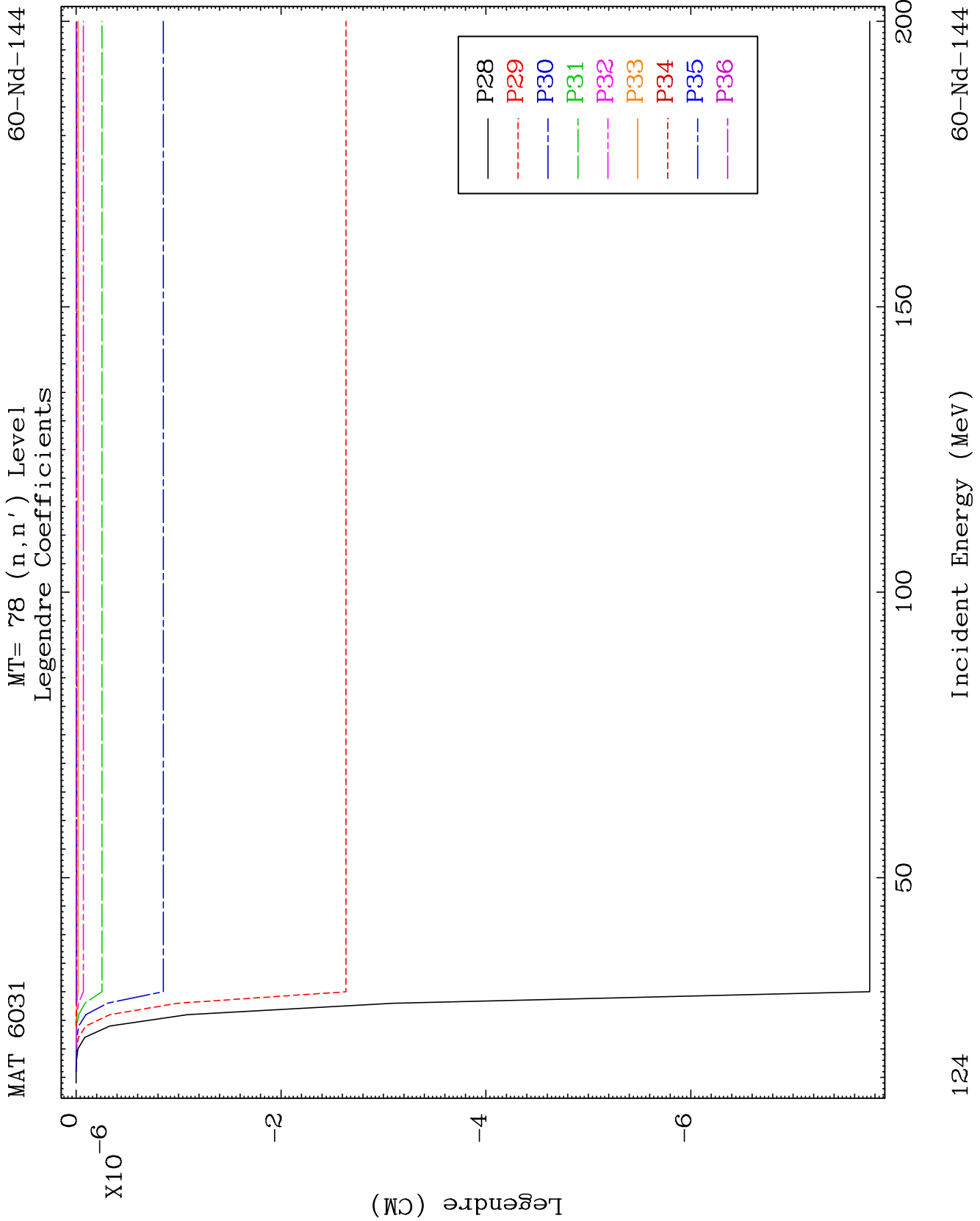


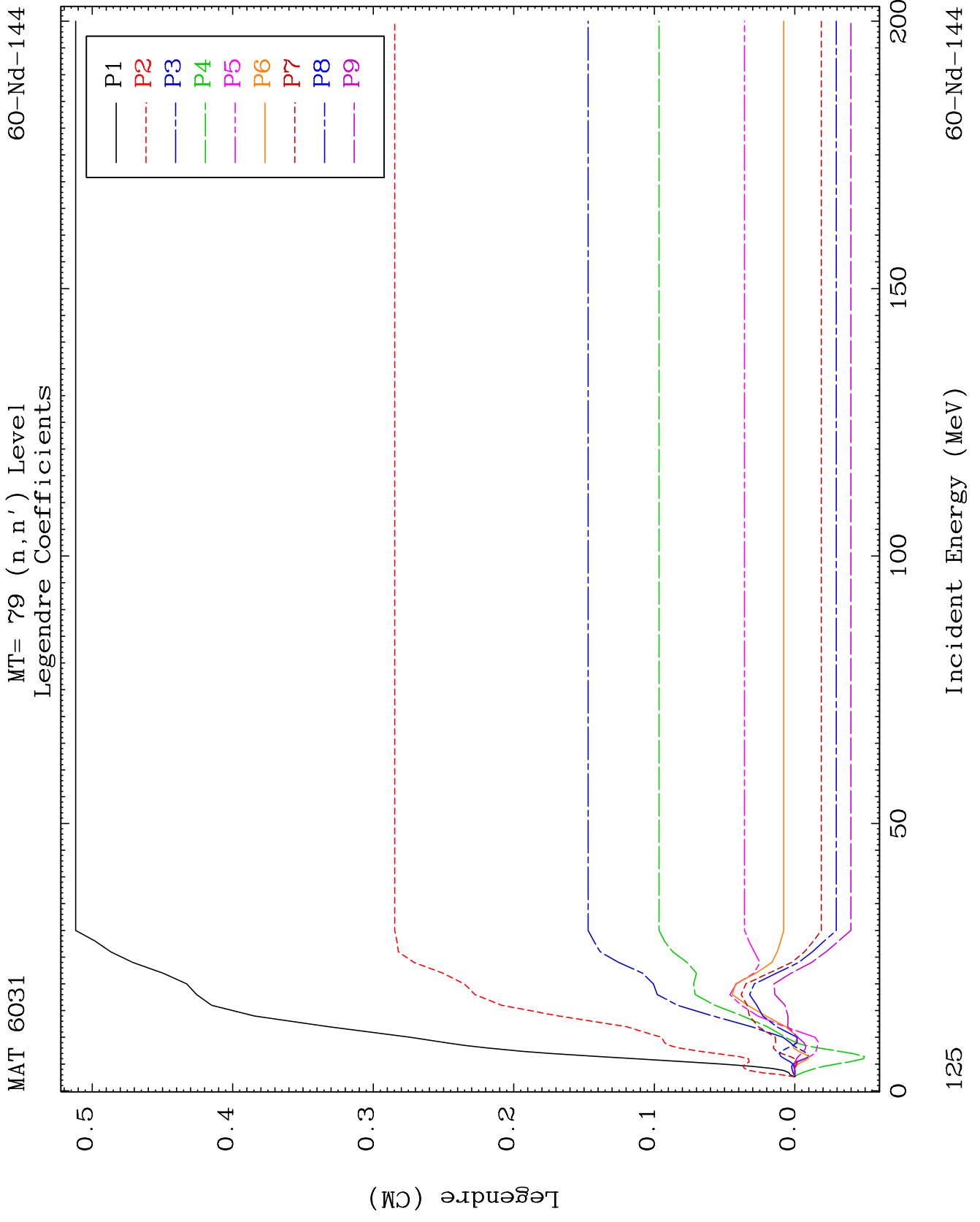
122

Incident Energy (MeV)

60-Nd-144



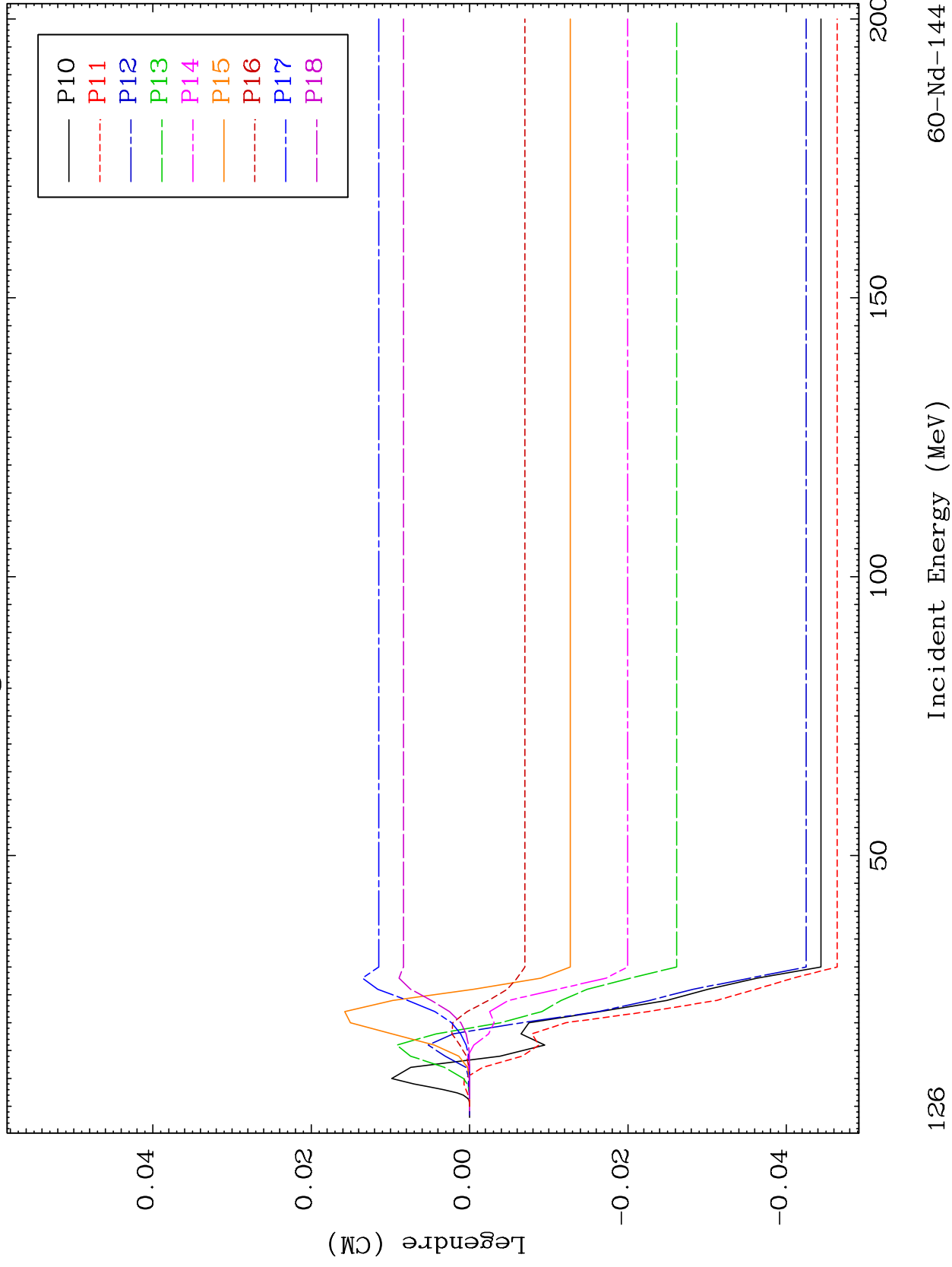




MAT 6031

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

60-Nd-144



126

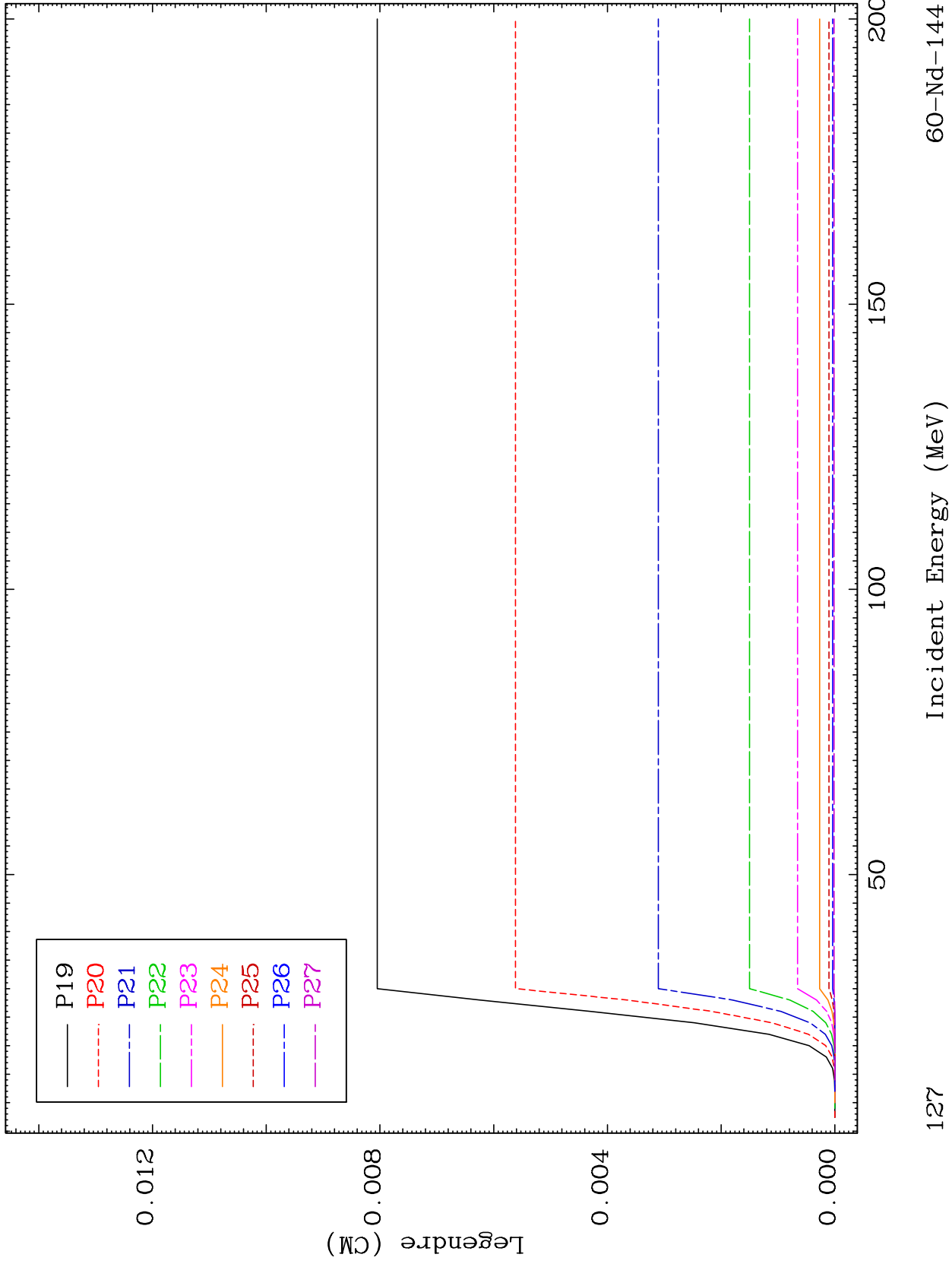
Incident Energy (MeV)

60-Nd-144

MAT 6031

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

60-Nd-144



127

Incident Energy (MeV)

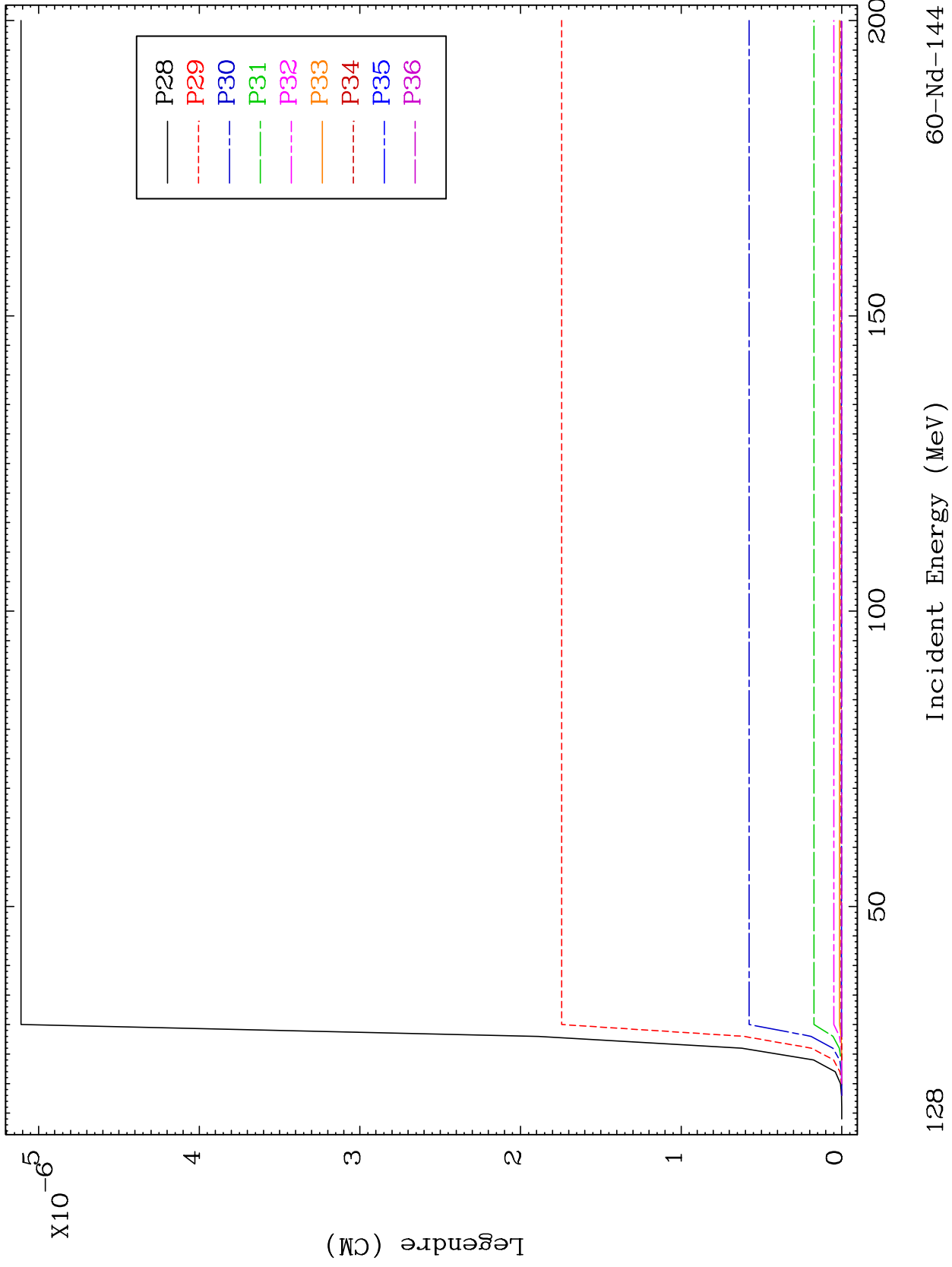
60-Nd-144



MAT 6031

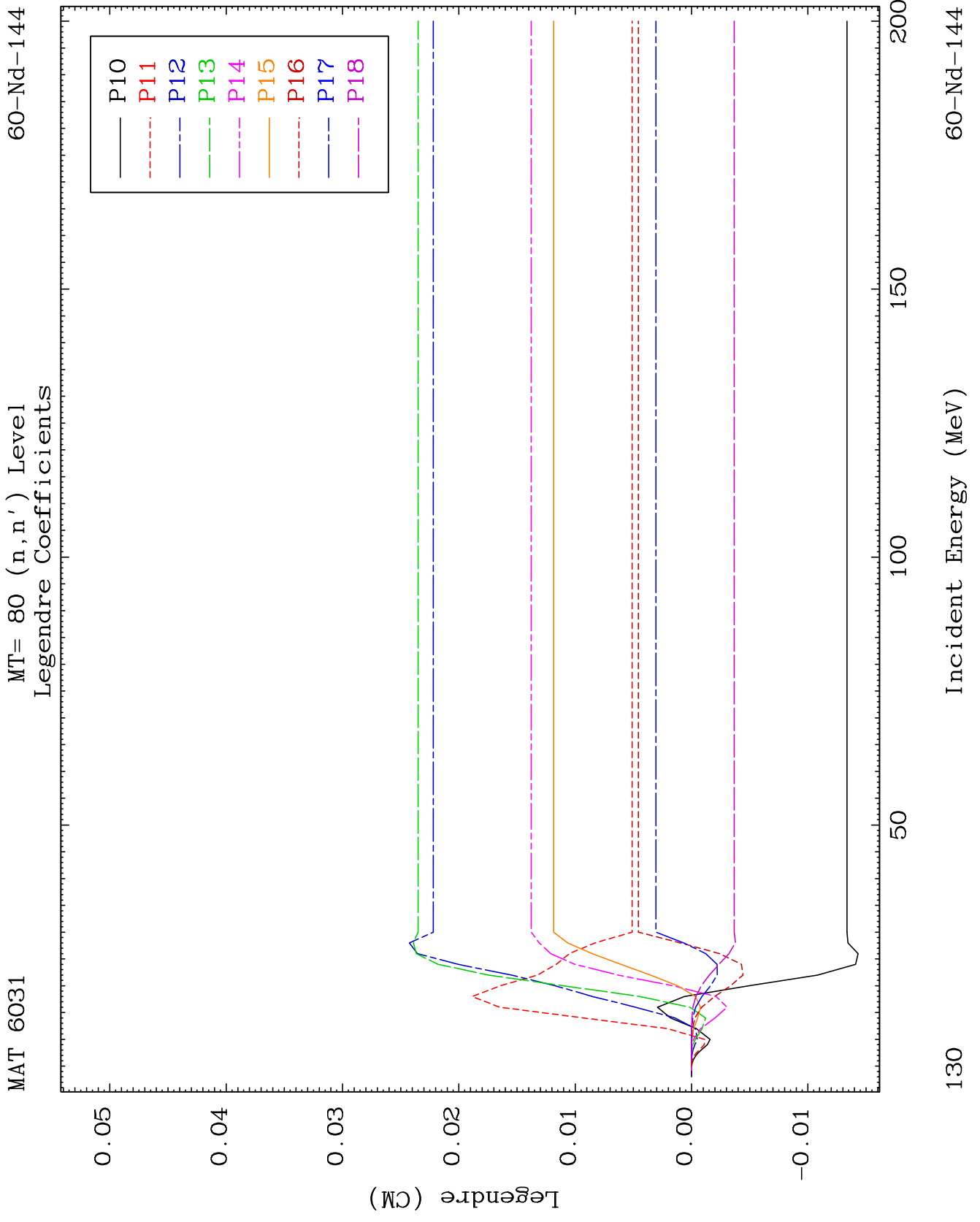
MT= 79 (n,n') Level  
Legendre Coefficients

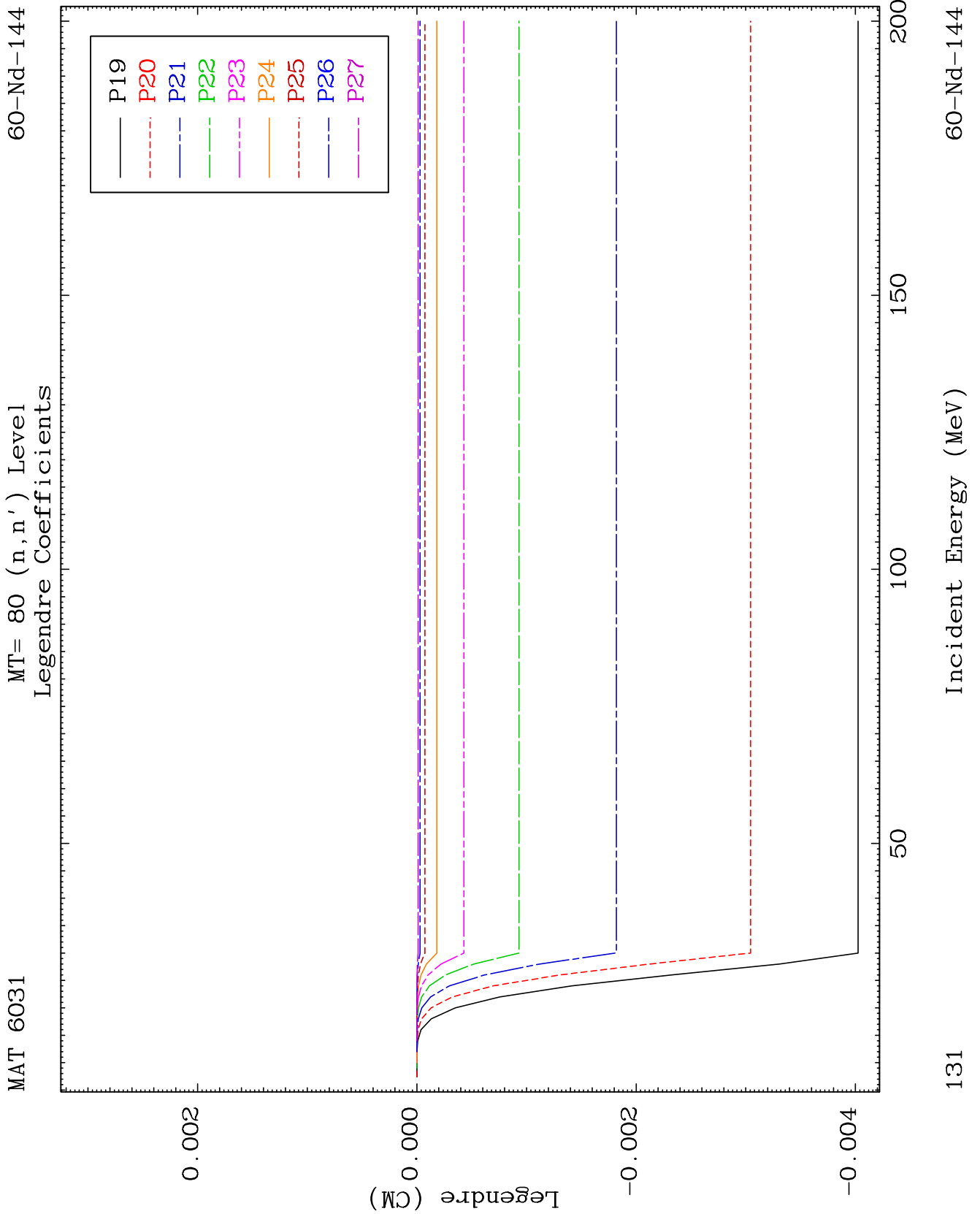
60-Nd-144

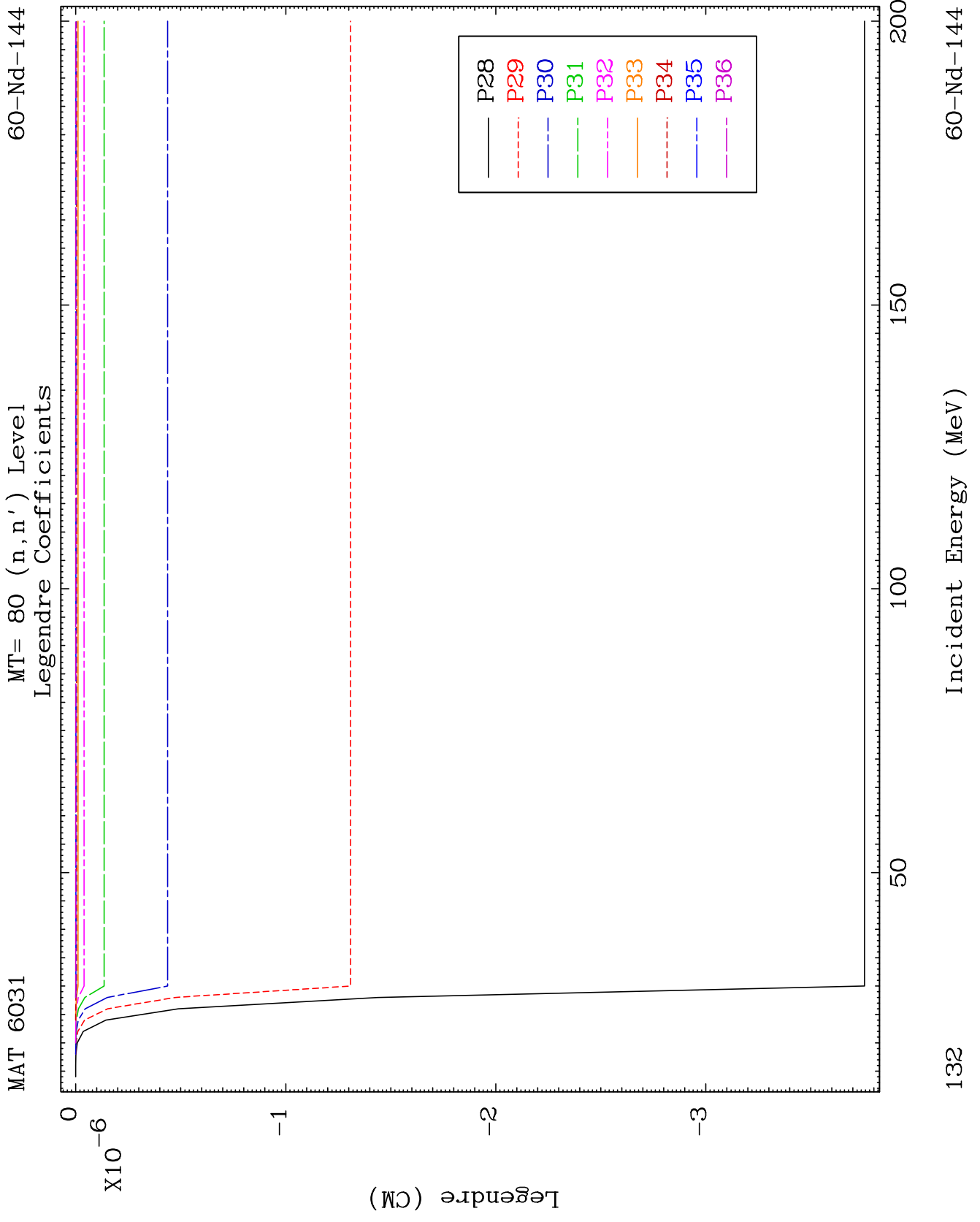


128







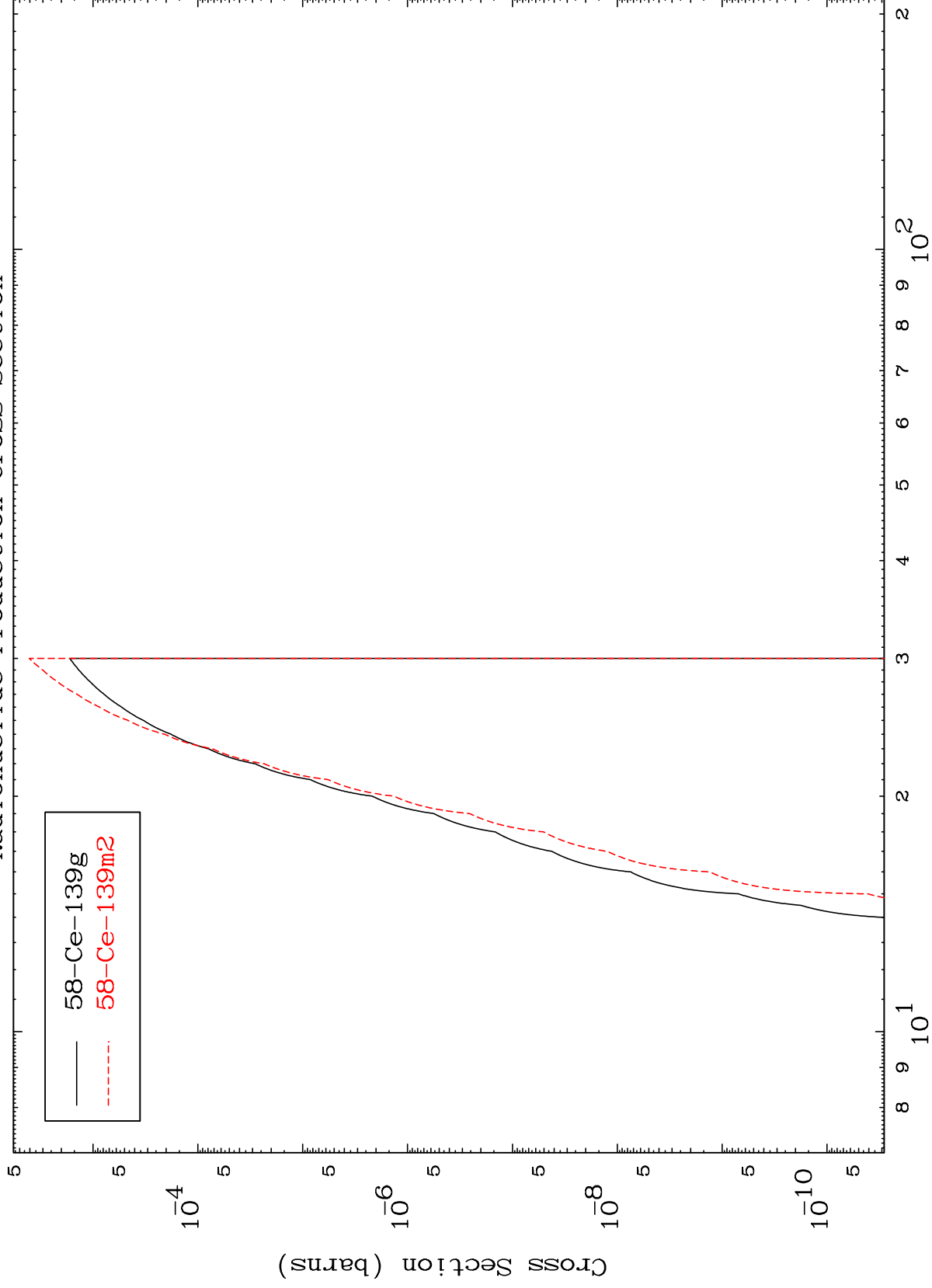


MAT 6031

60-Nd-144

(n,2n)  $\alpha$

Radionuclide Production Cross Section



133

Incident Energy (MeV)

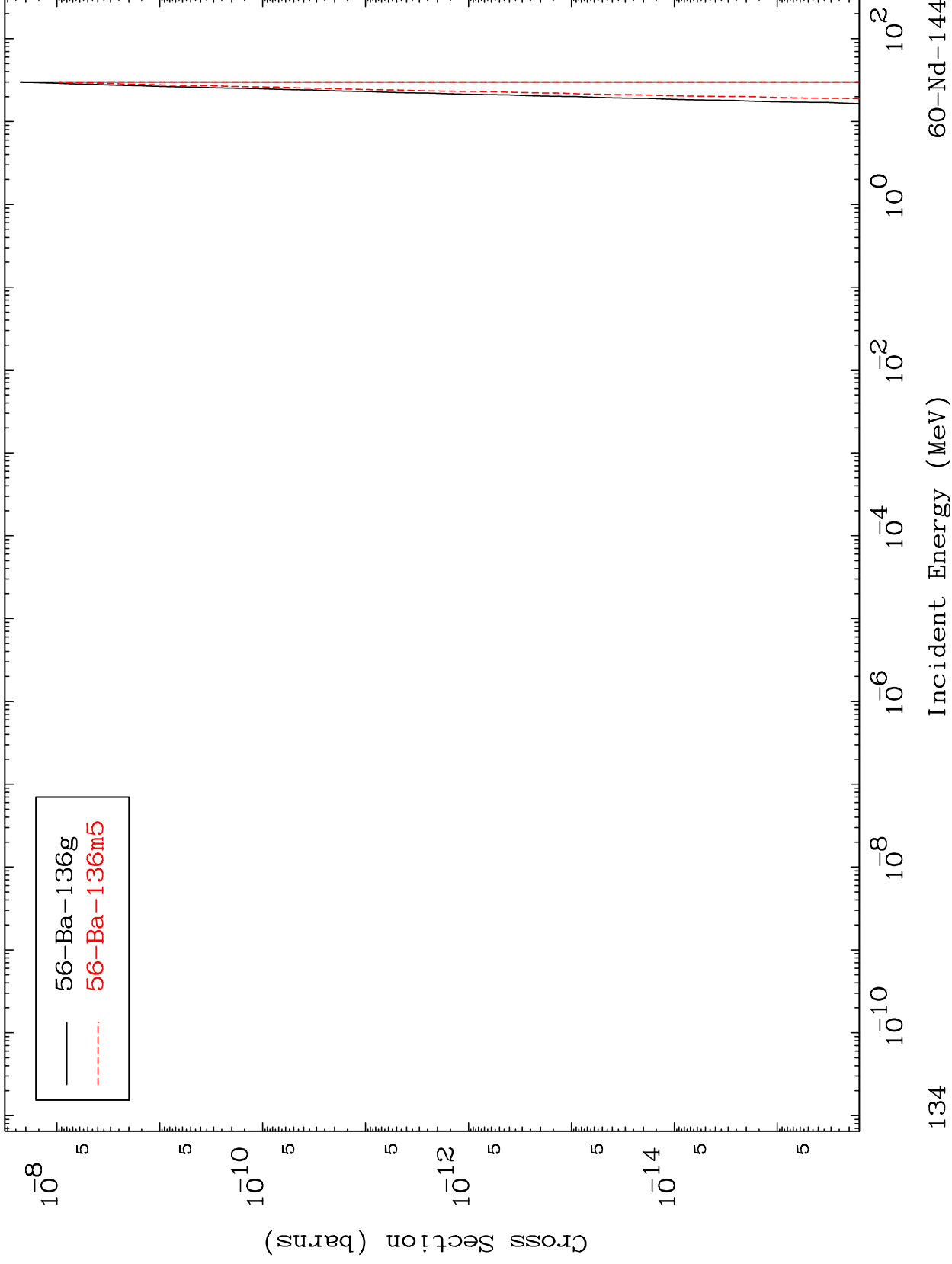
60-Nd-144

MAT 6031

$(n, n')$   $2\alpha$

$^{60}\text{Nd}-144$

Radionuclide Production Cross Section

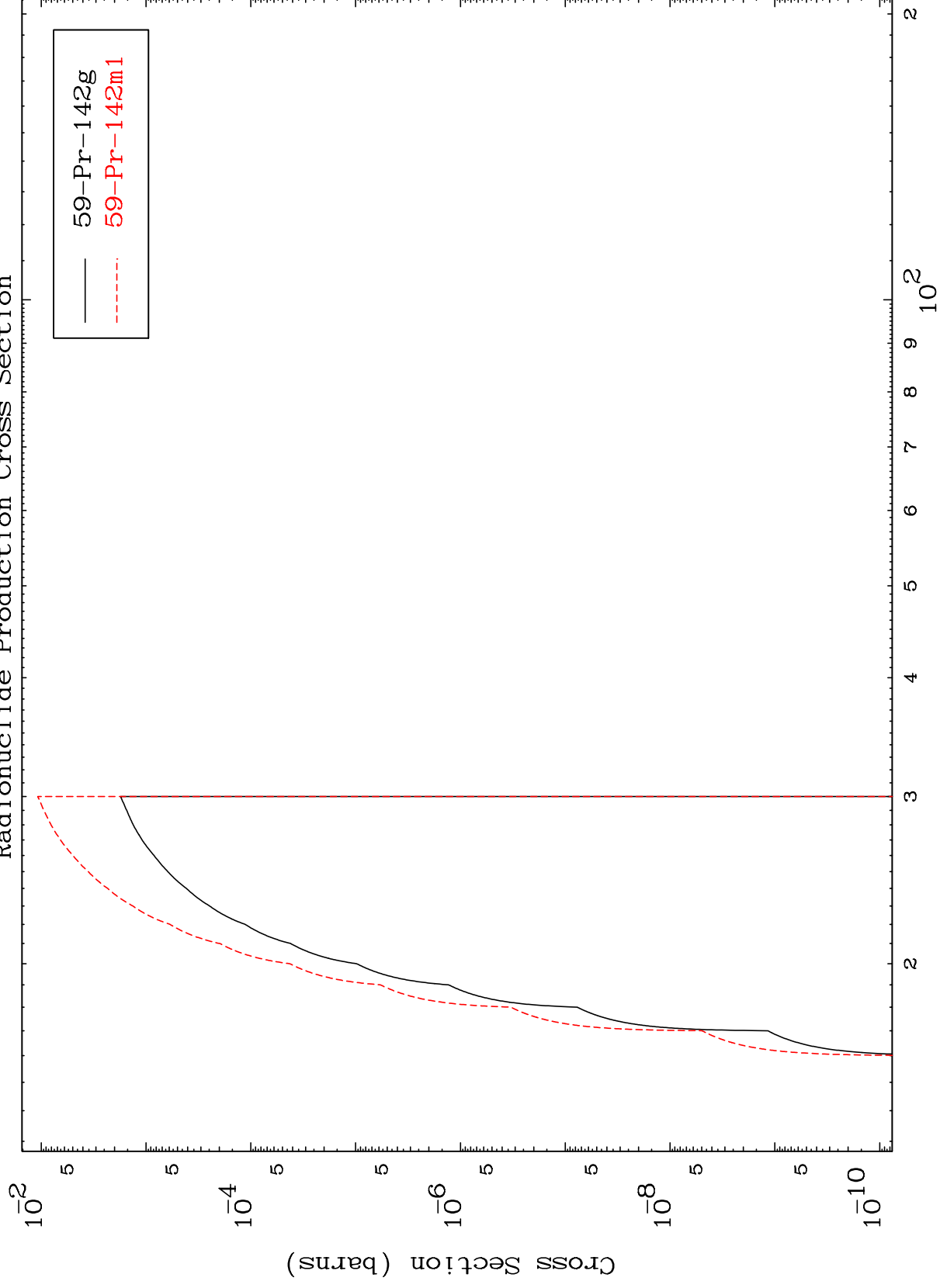


MAT 6031

(n,n') d

60-Nd-144

Radionuclide Production Cross Section

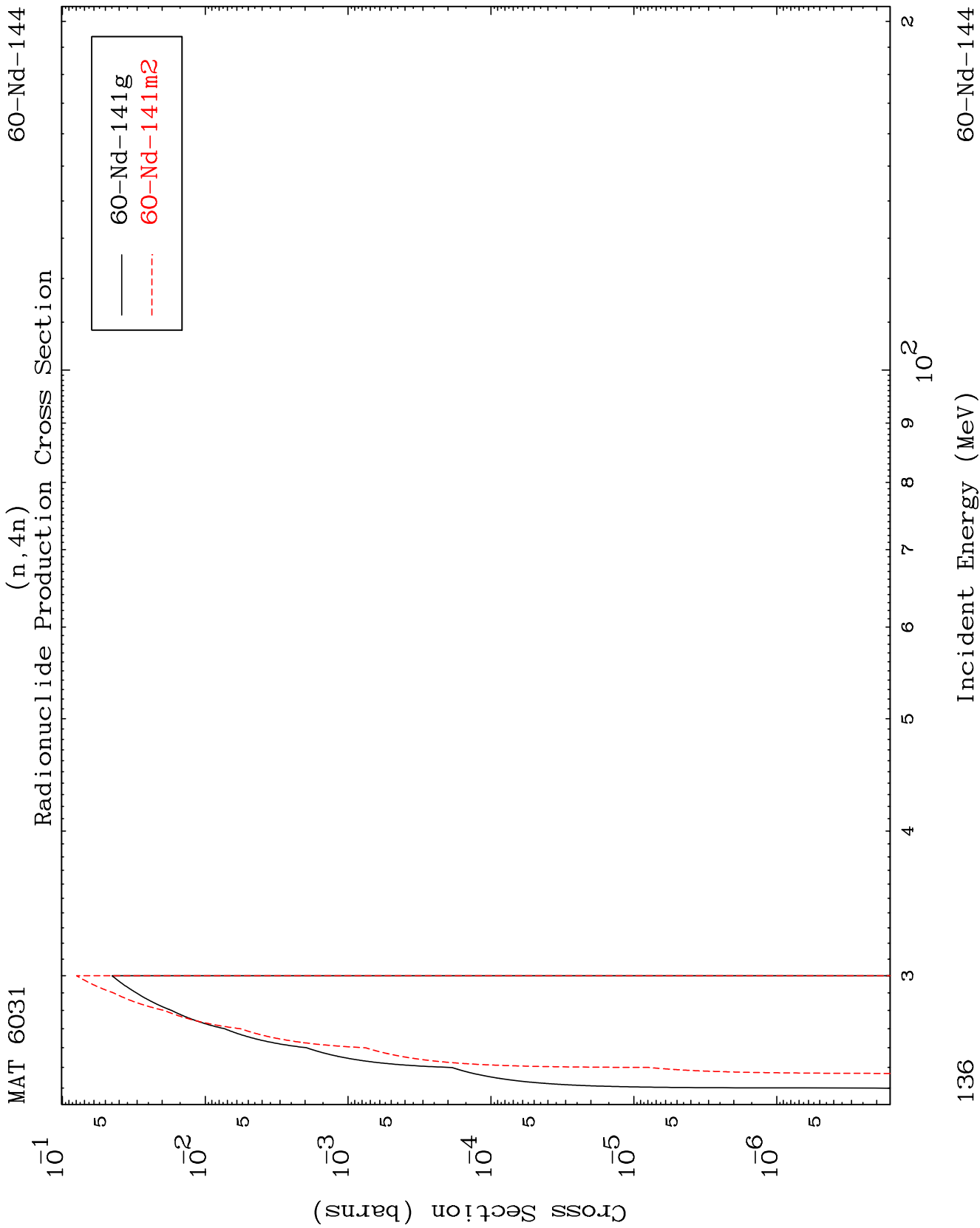


135

Incident Energy (MeV)

60-Nd-144



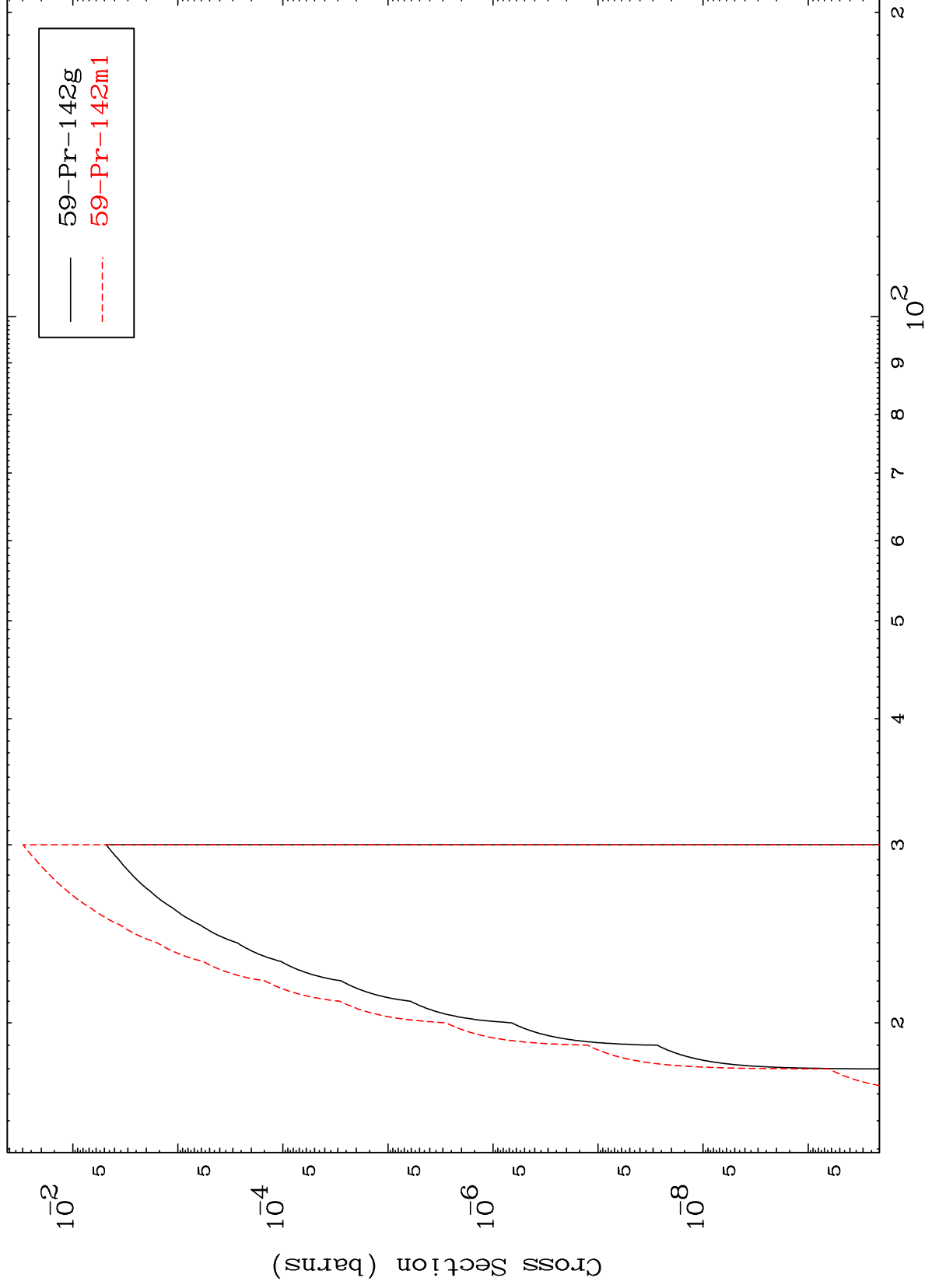


MAT 6031

(n,2n) p

60-Nd-144

Radionuclide Production Cross Section



137

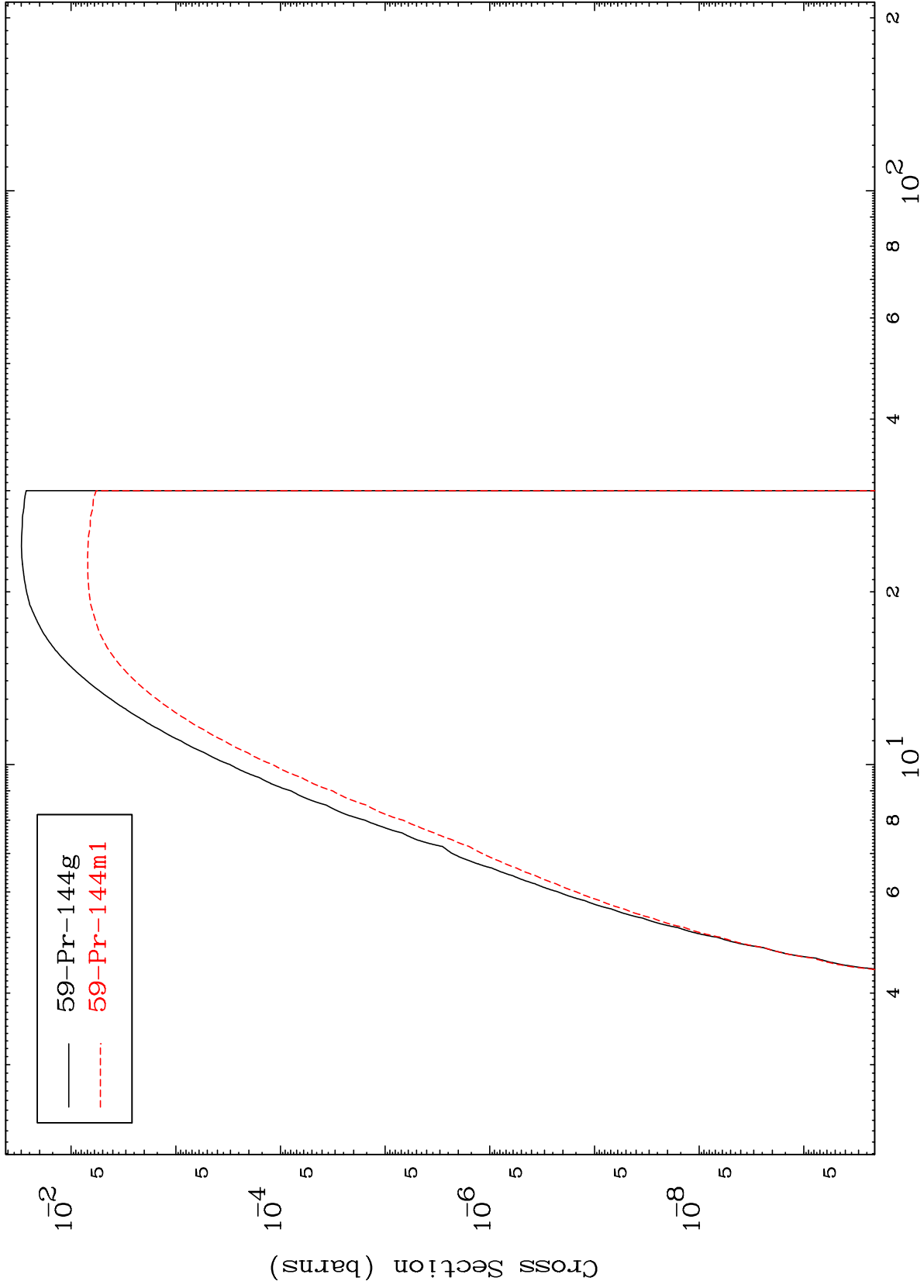
Incident Energy (MeV)

60-Nd-144

MAT 6031

60-Nd-144

(n,p)  
Radionuclide Production Cross Section



138

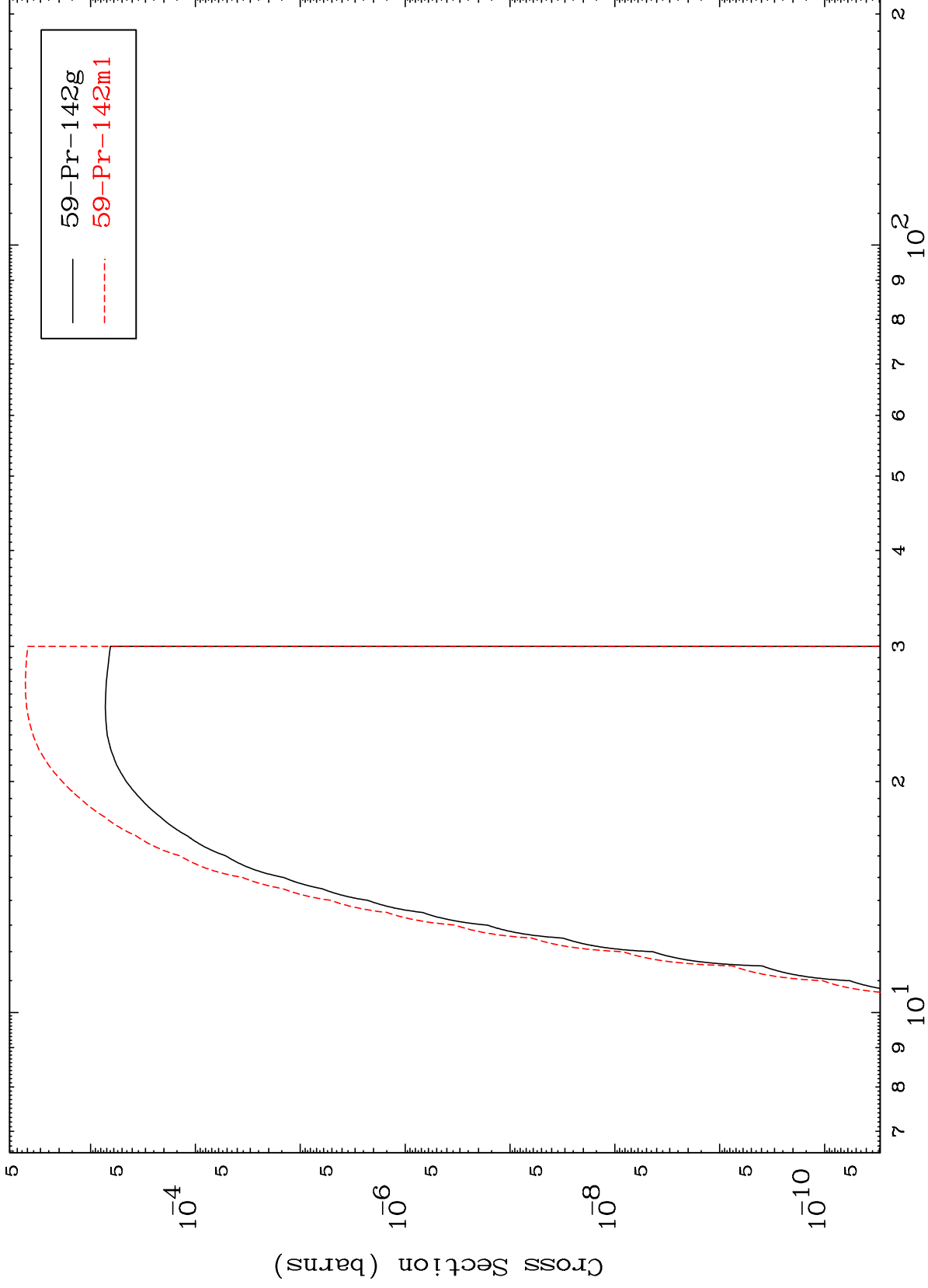
60-Nd-144

Incident Energy (MeV)

MAT 6031

60-Nd-144

(n,t)  
Radionuclide Production Cross Section



139

Incident Energy (MeV)

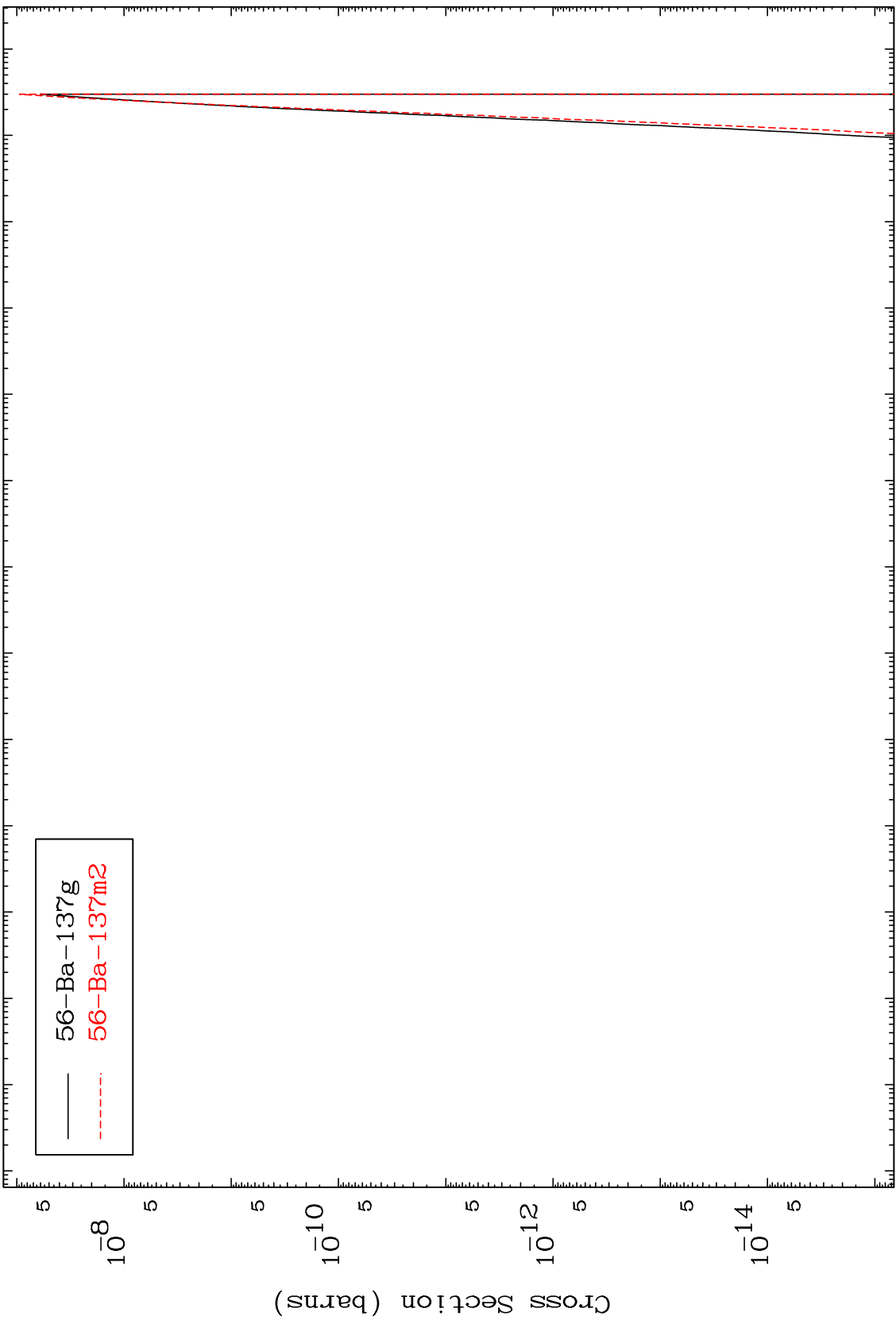
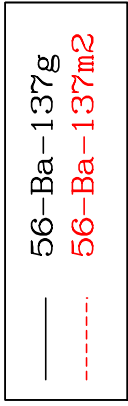
60-Nd-144

MAT 6031

(n,2α)

60-Nd-144

Radionuclide Production Cross Section



140

10<sup>-10</sup> 10<sup>-8</sup> 10<sup>-6</sup> 10<sup>-4</sup> 10<sup>0</sup> 10<sup>2</sup>

Incident Energy (MeV)

60-Nd-144