

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

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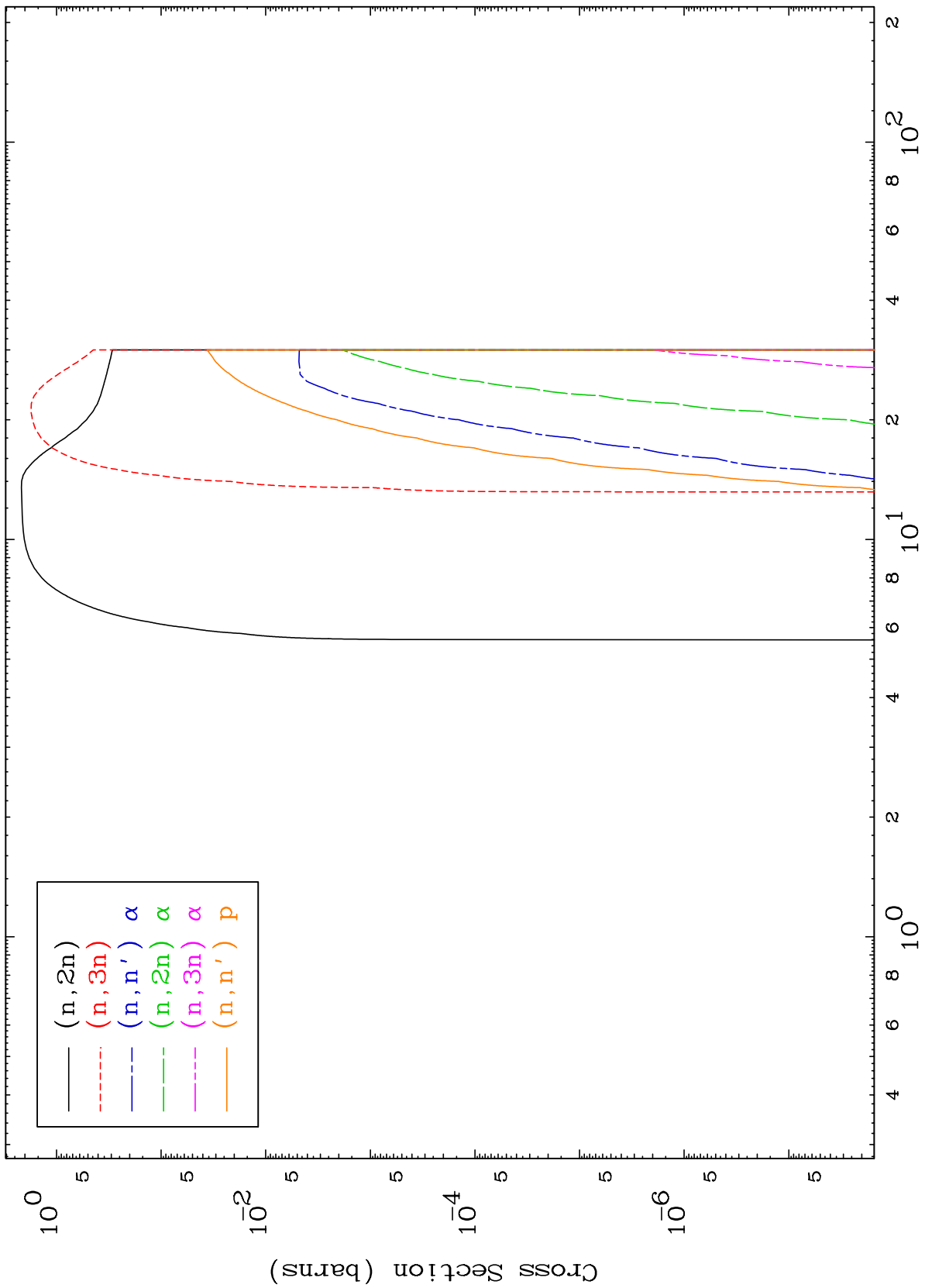
Tele: 925-443-1911

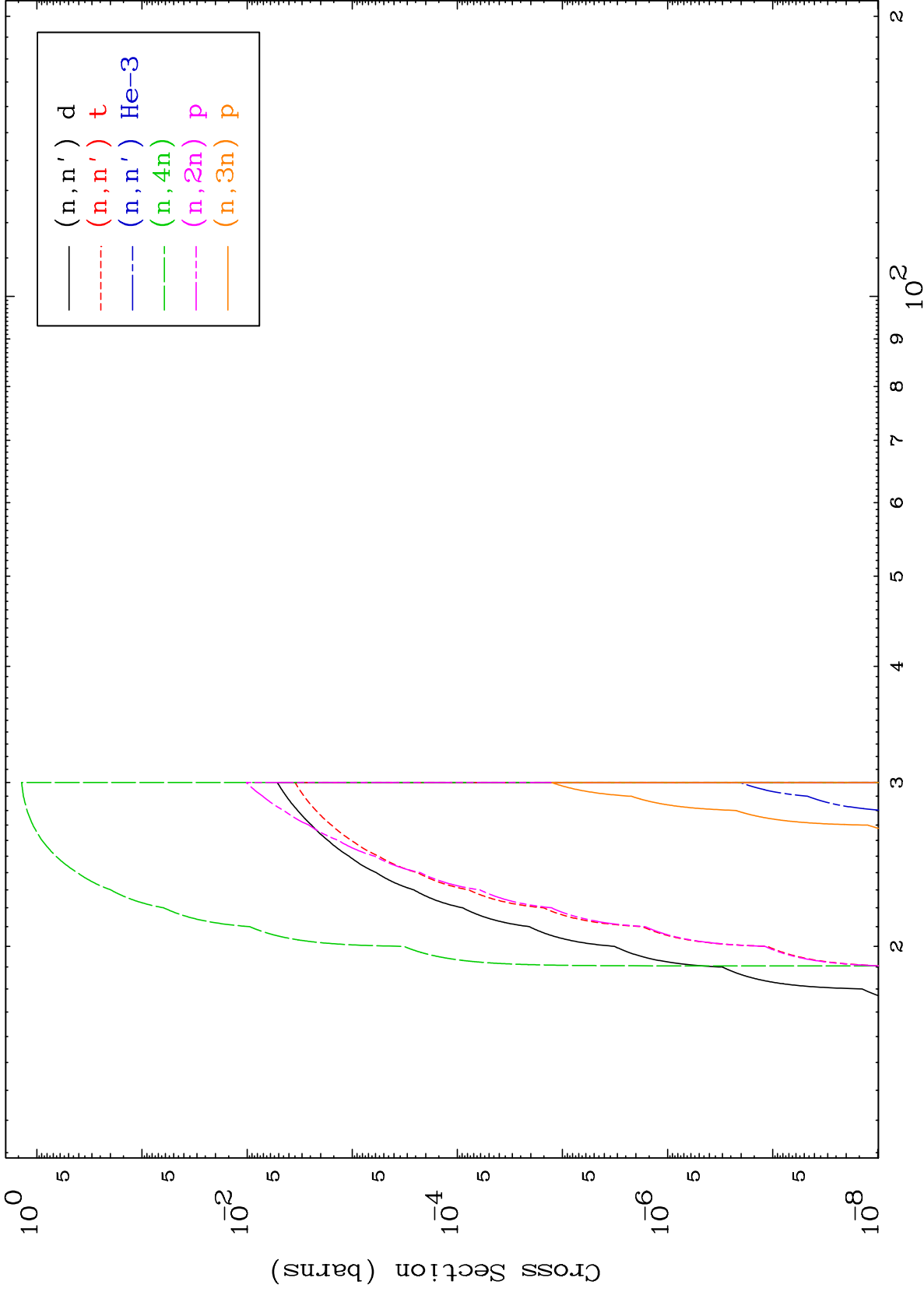
E.Mail:redcullen1@comcast.net

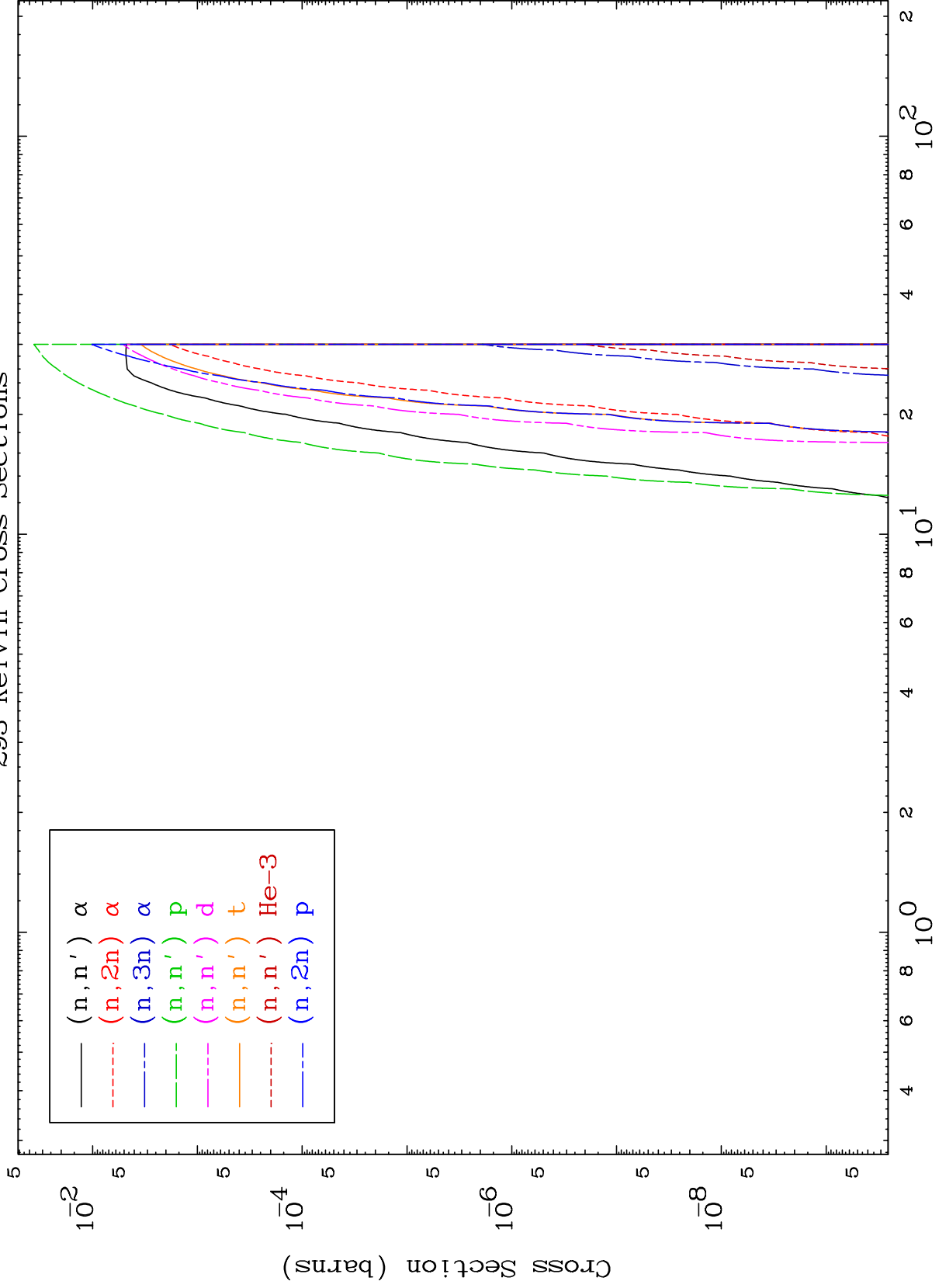
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Press Mouse Button to Start





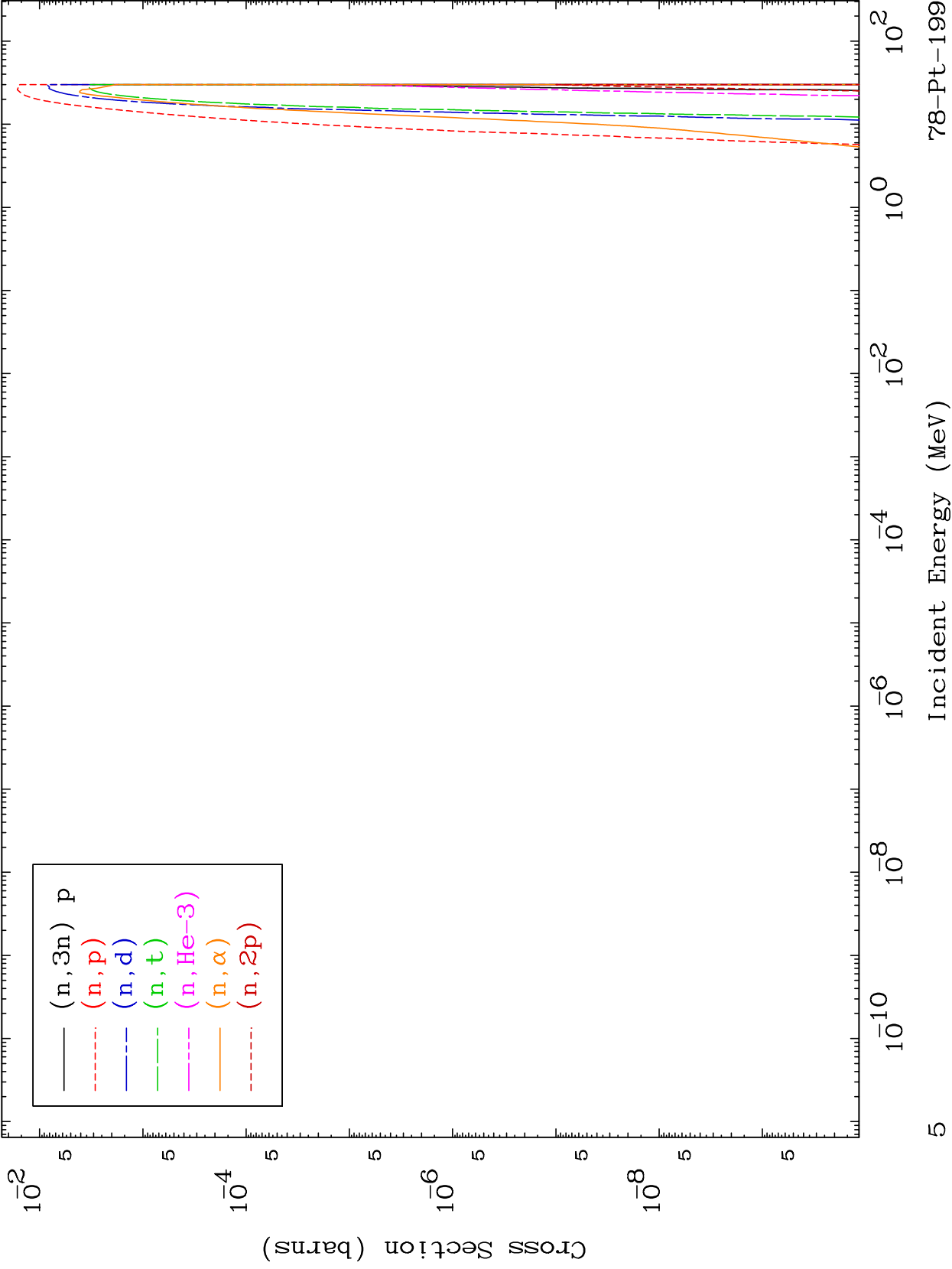




MAT 7852

Charged Particle  
293 Kelvin Cross Sections

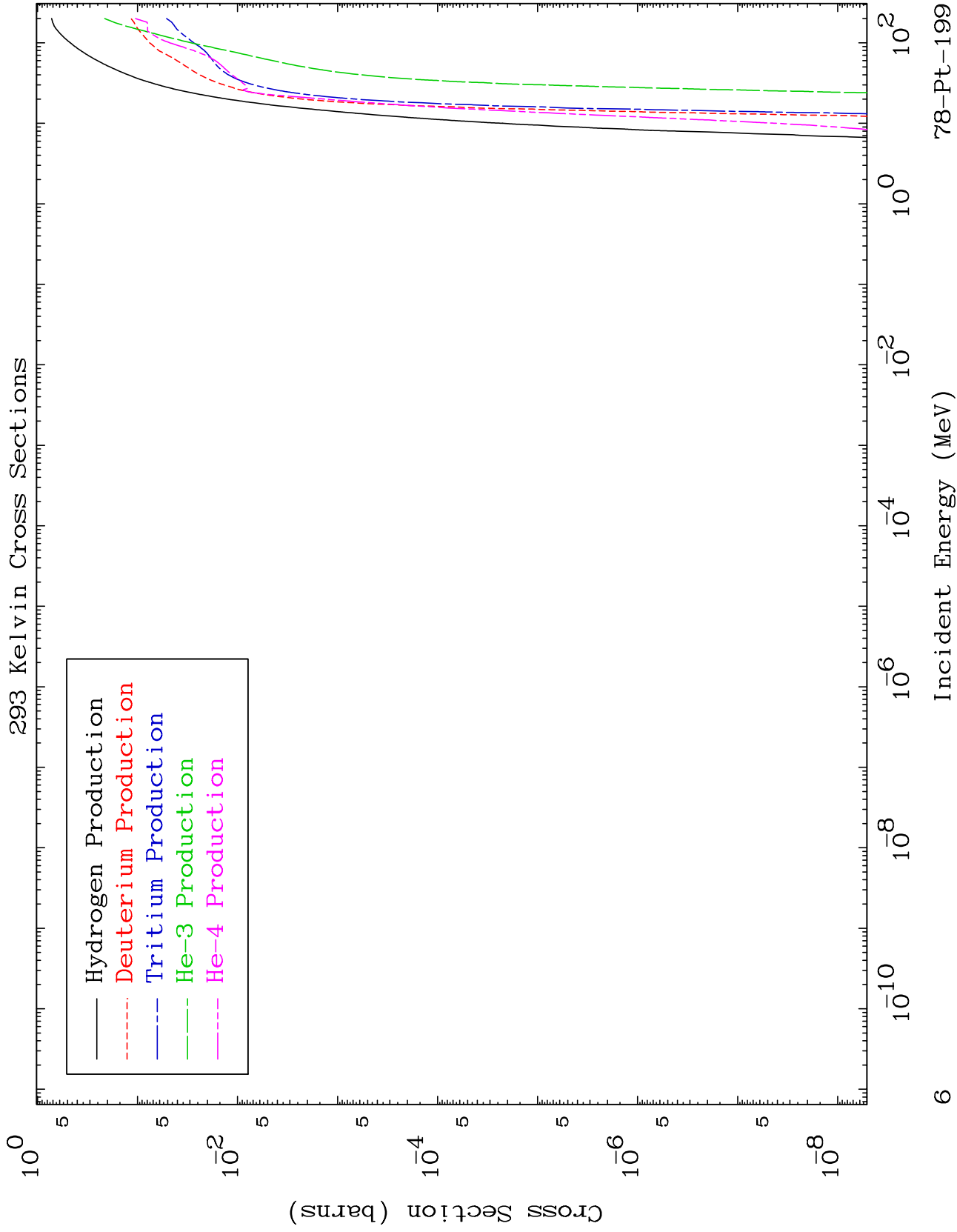
78-Pt-199

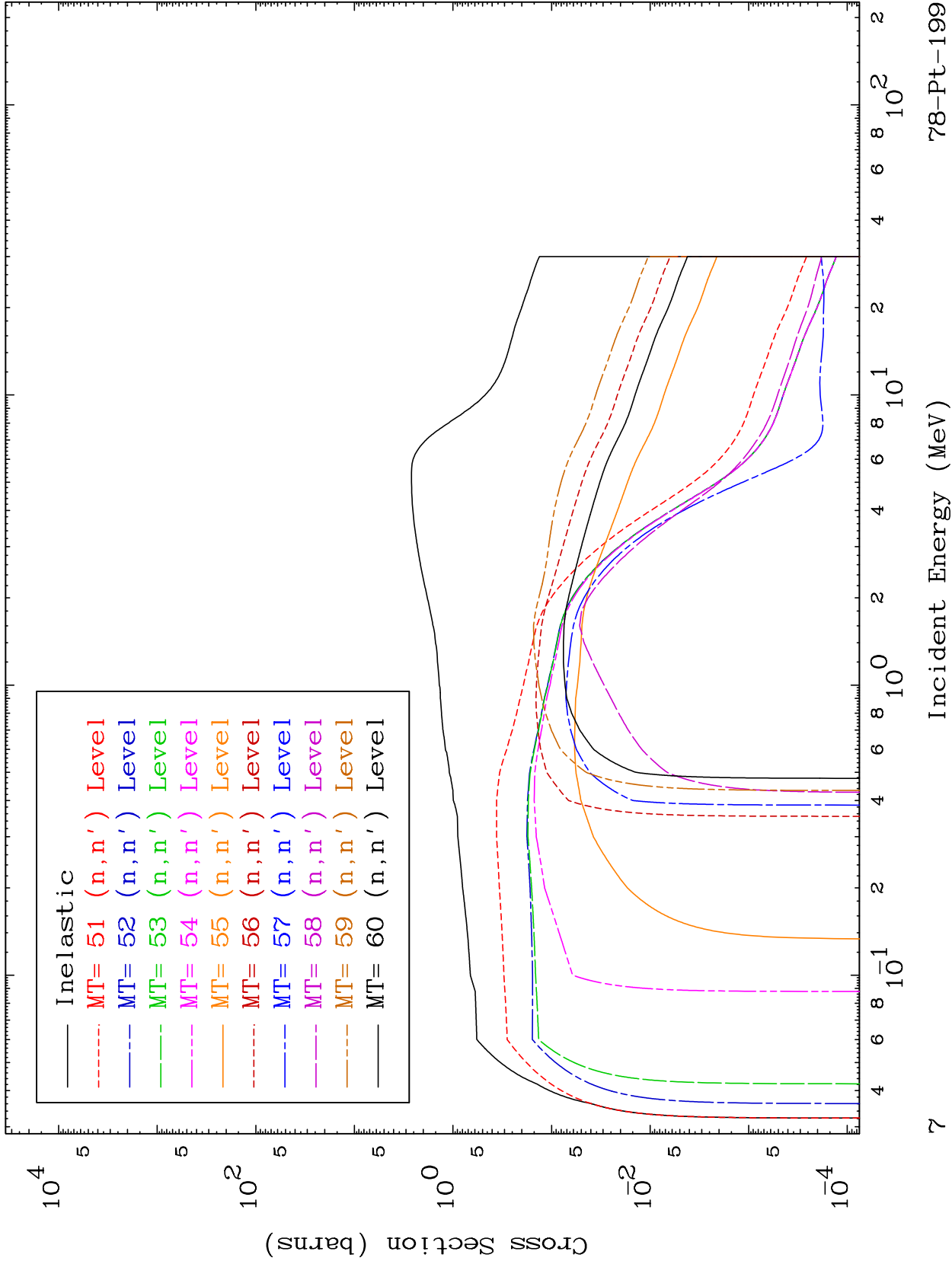


MAT 7852

Particle Production  
293 Kelvin Cross Sections

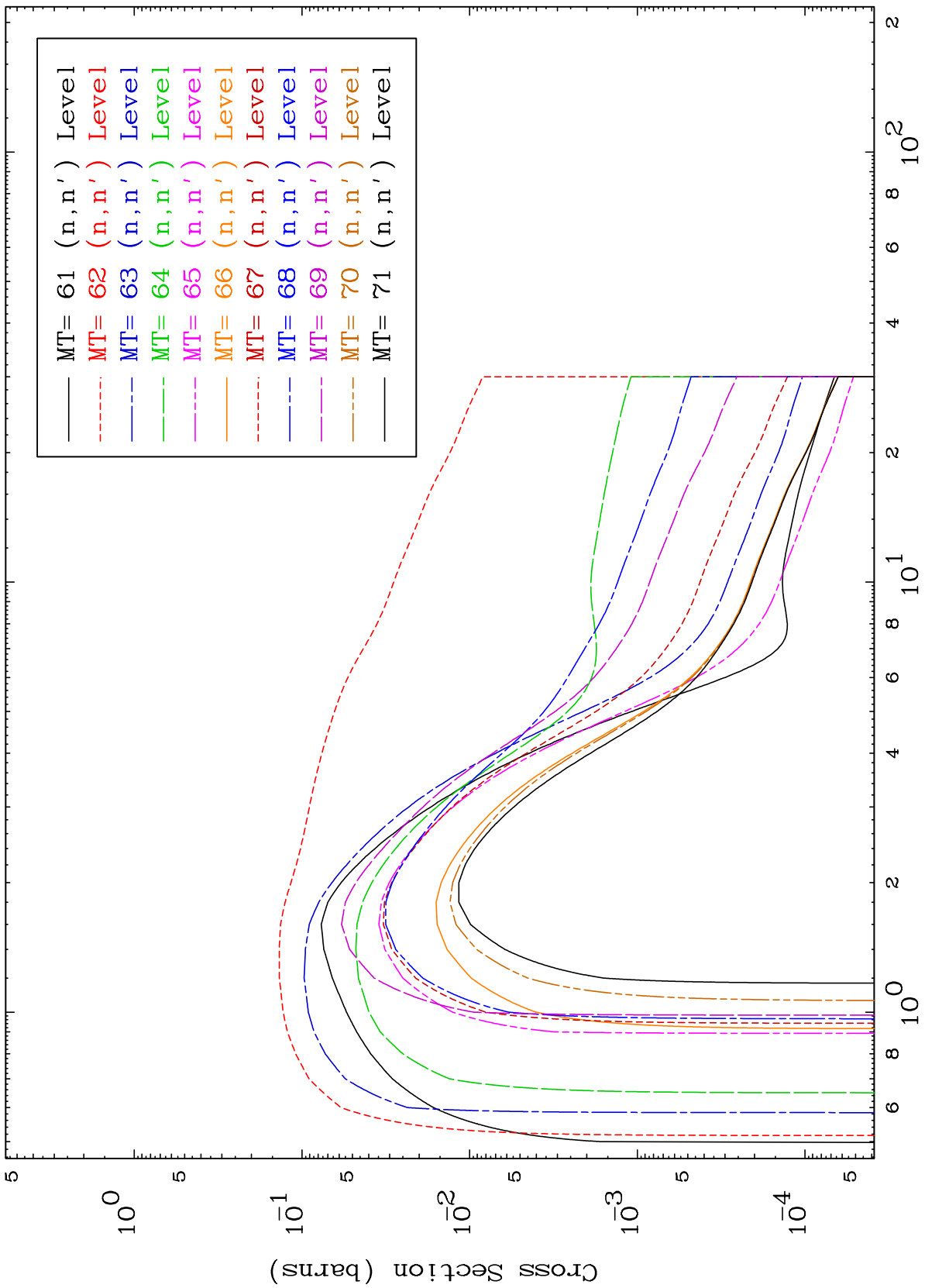
78-Pt-199



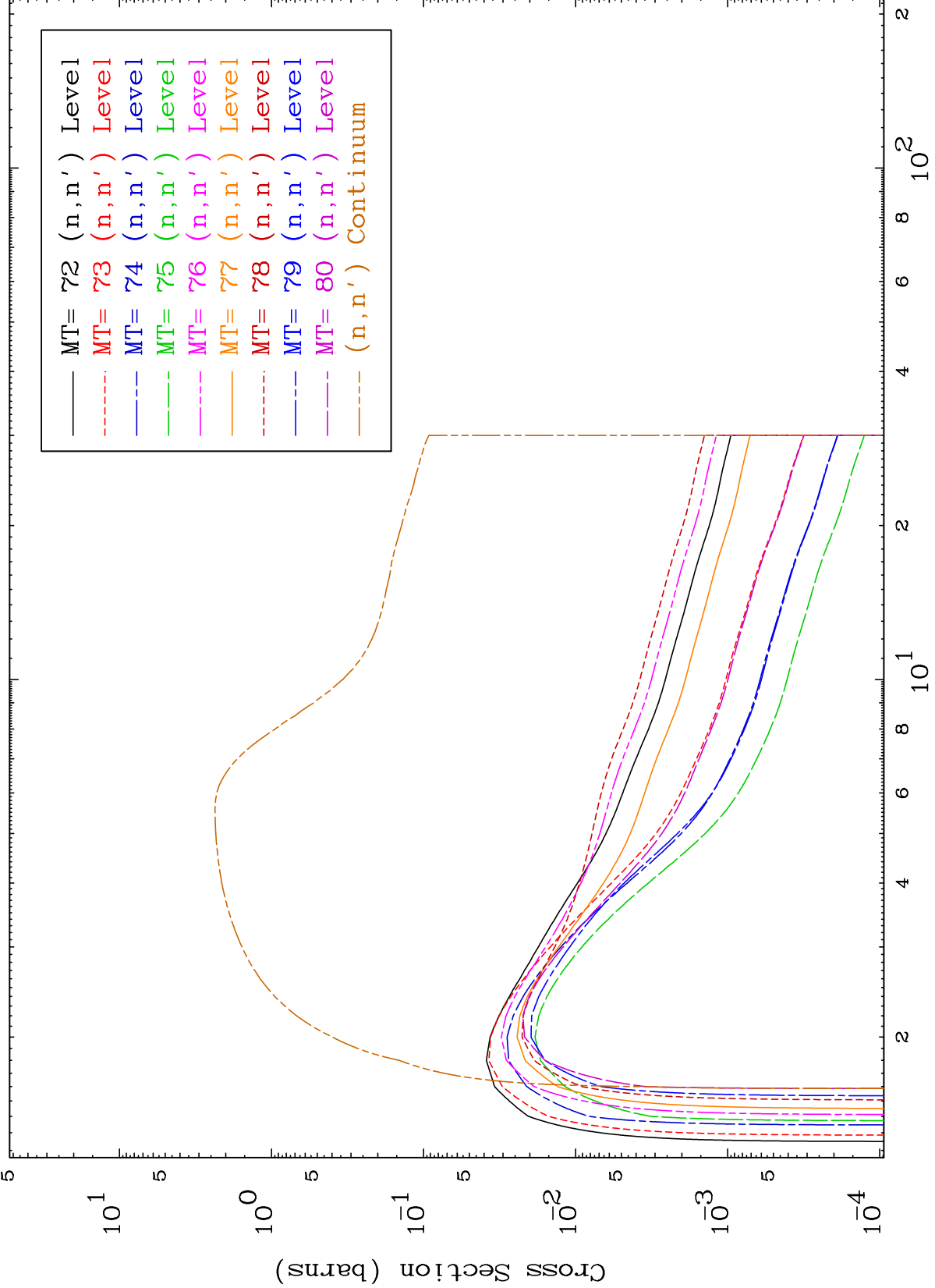




293 Kelvin Cross Sections



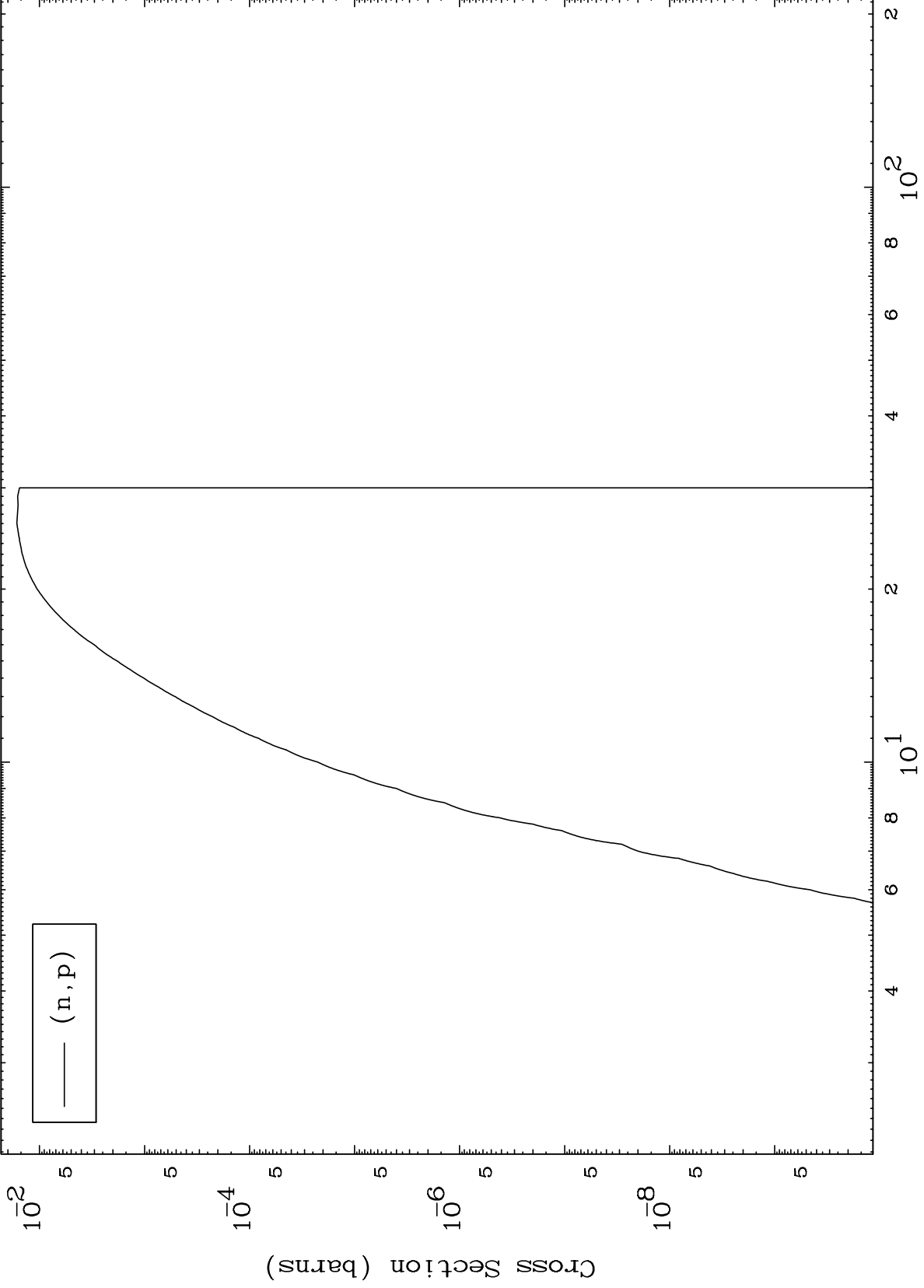
293 Kelvin Cross Sections



MAT 7852

(n,p) Levels  
293 Kelvin Cross Sections

78-Pt-199



10

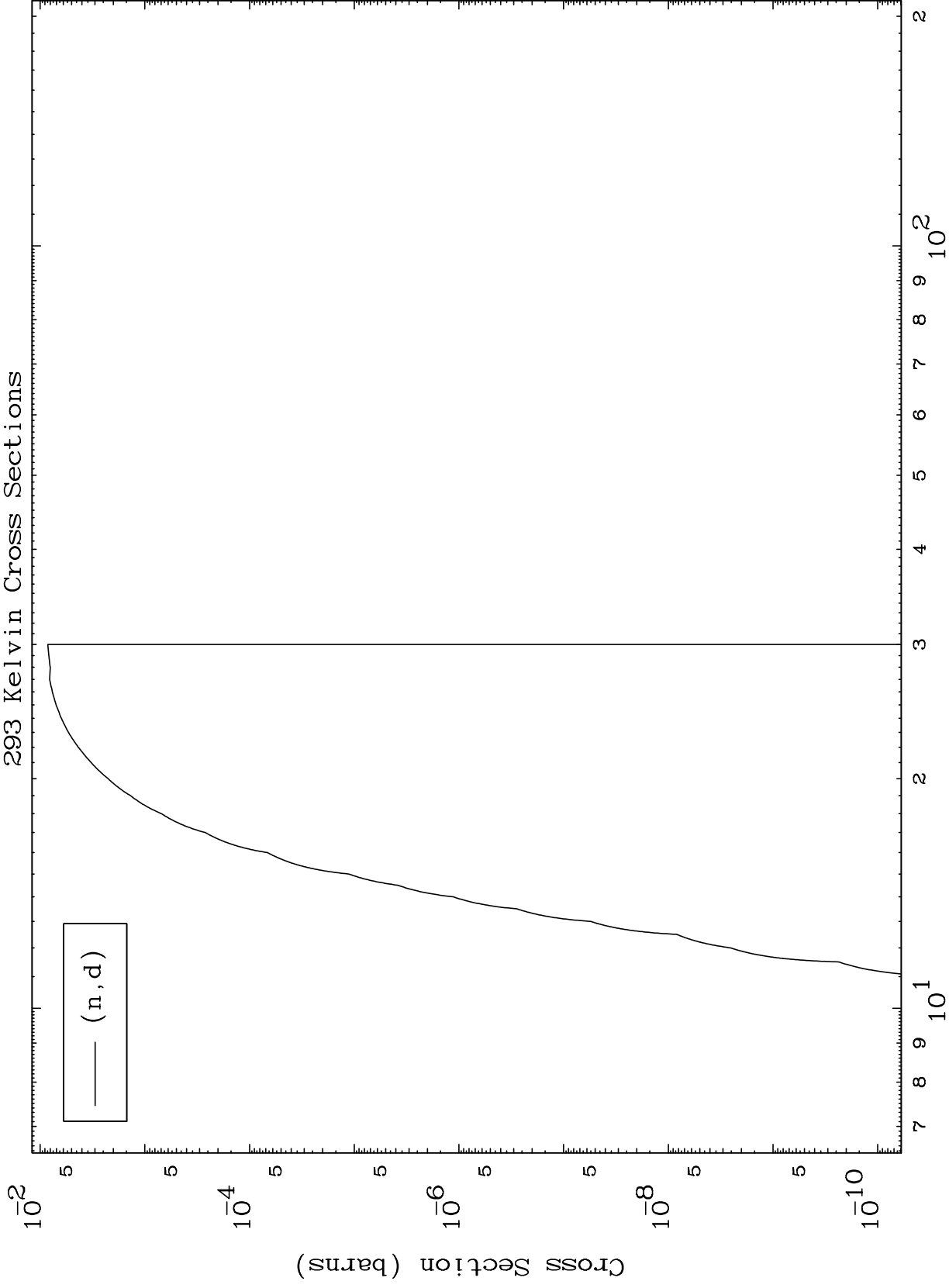
Incident Energy (MeV)

78-Pt-199

MAT 7852

(n,d) Levels  
293 Kelvin Cross Sections

78-Pt-199



11

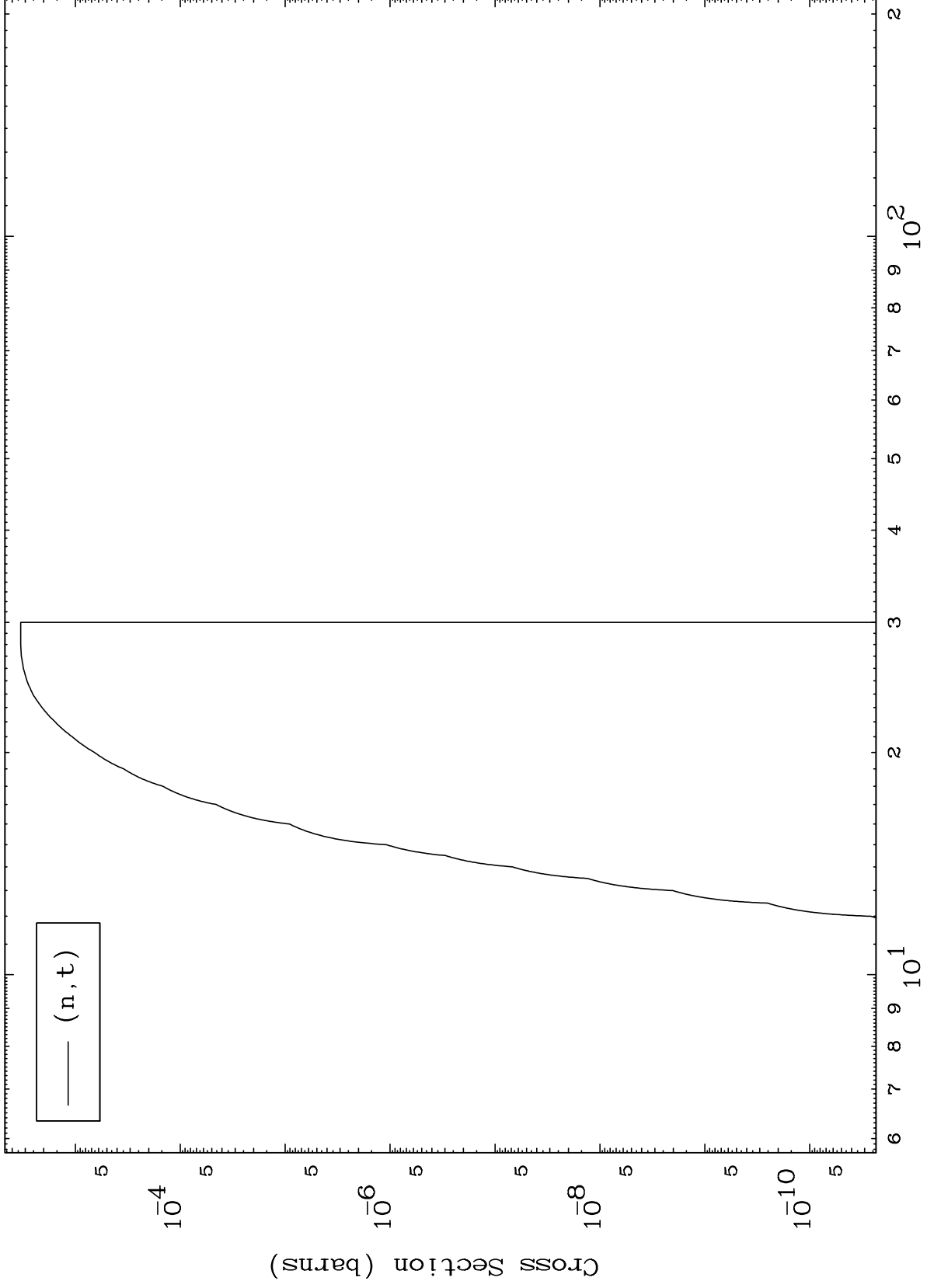
Incident Energy (MeV)

78-Pt-199

MAT 7852

(n,t) Levels  
293 Kelvin Cross Sections

78-Pt-199



12

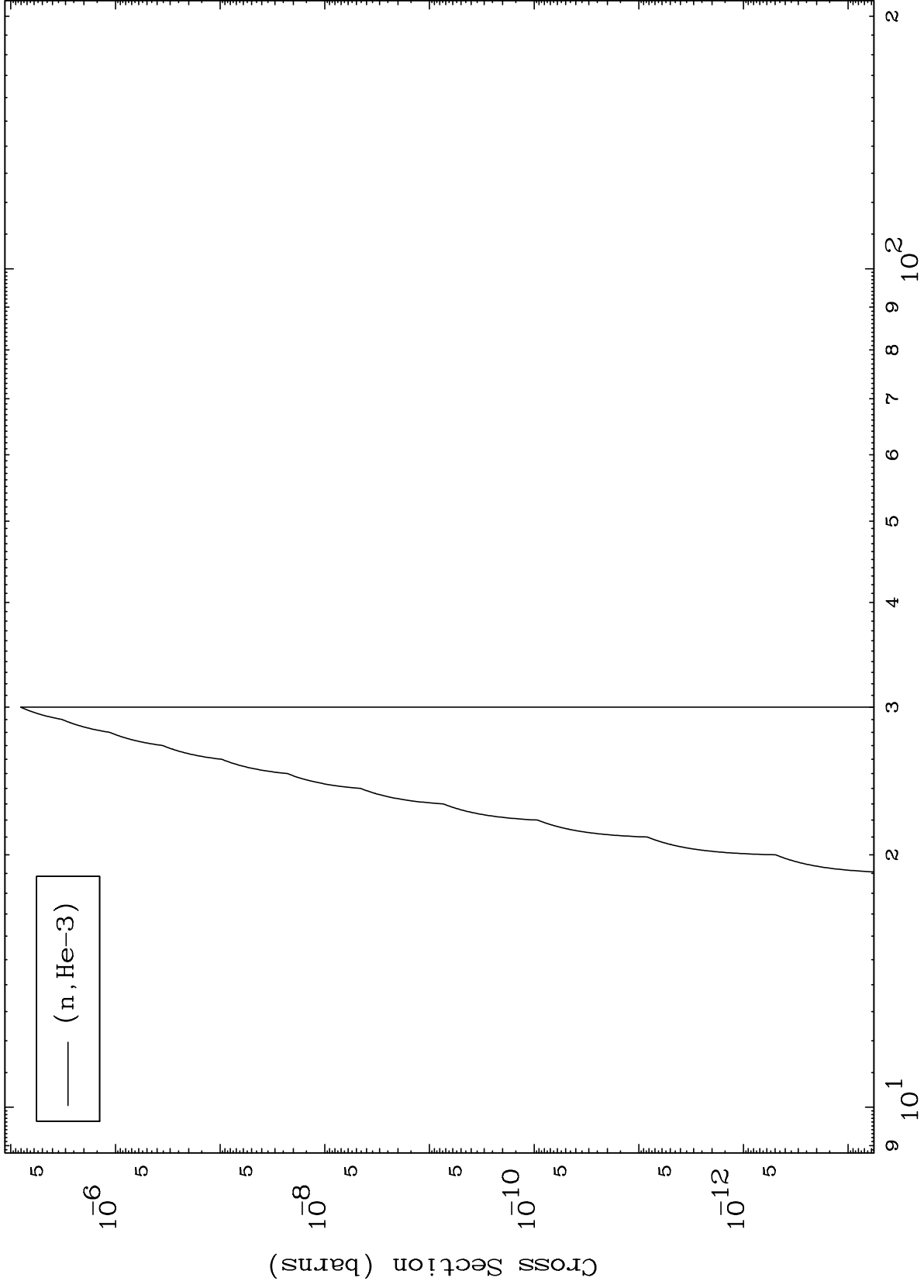
Incident Energy (MeV)

78-Pt-199

MAT 7852

(n,He3) Levels  
293 Kelvin Cross Sections

78-Pt-199



13

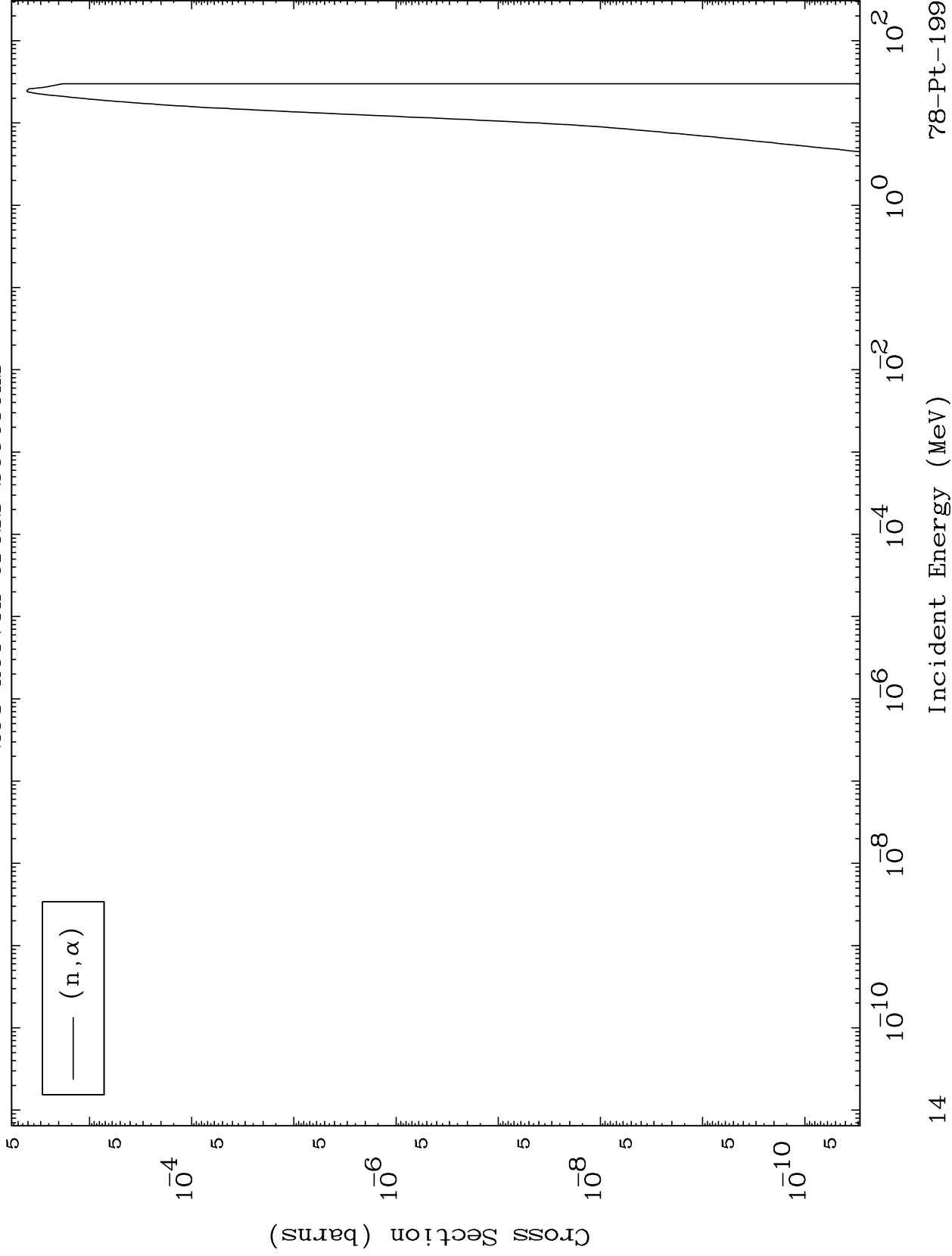
Incident Energy (MeV)

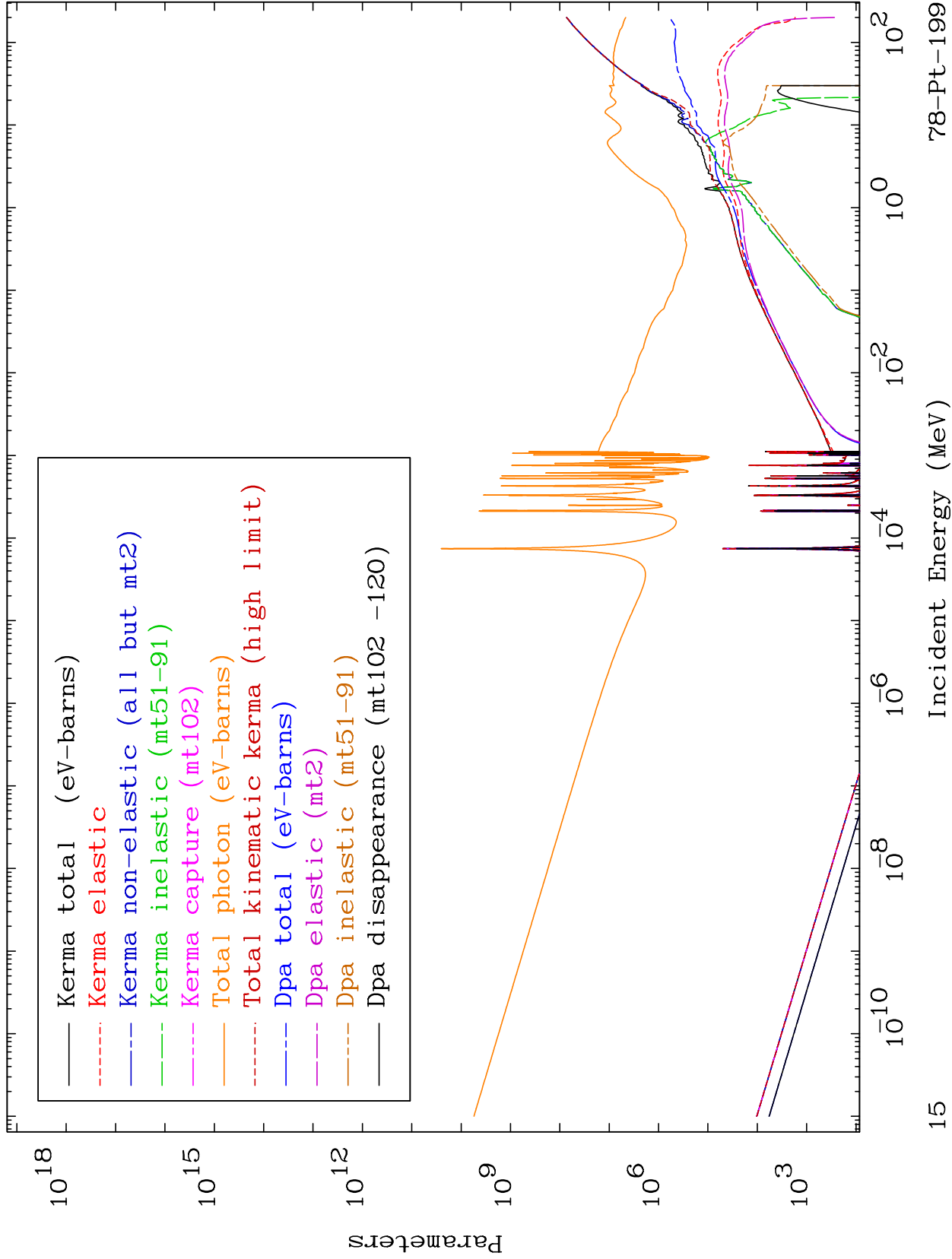
78-Pt-199

MAT 7852

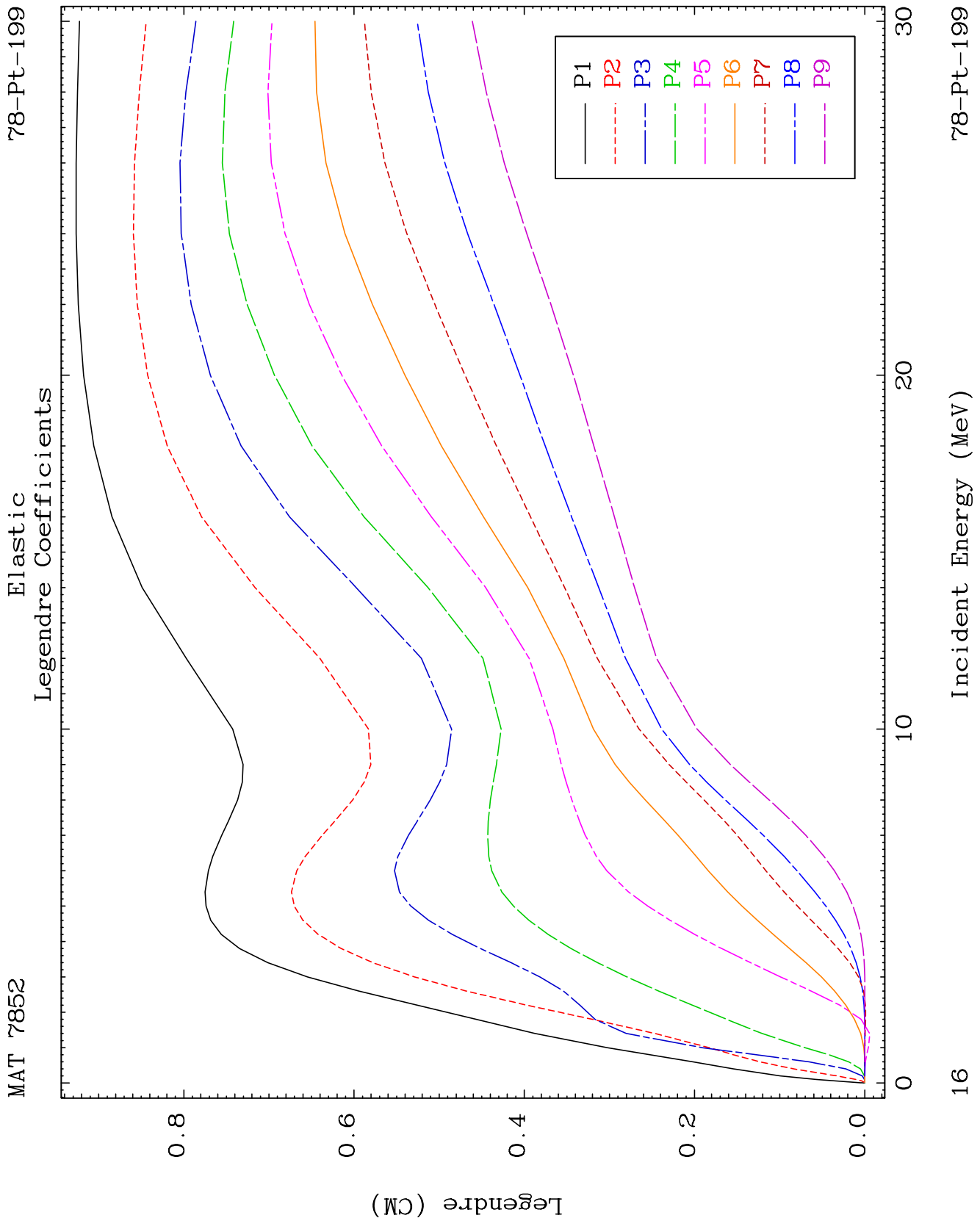
(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

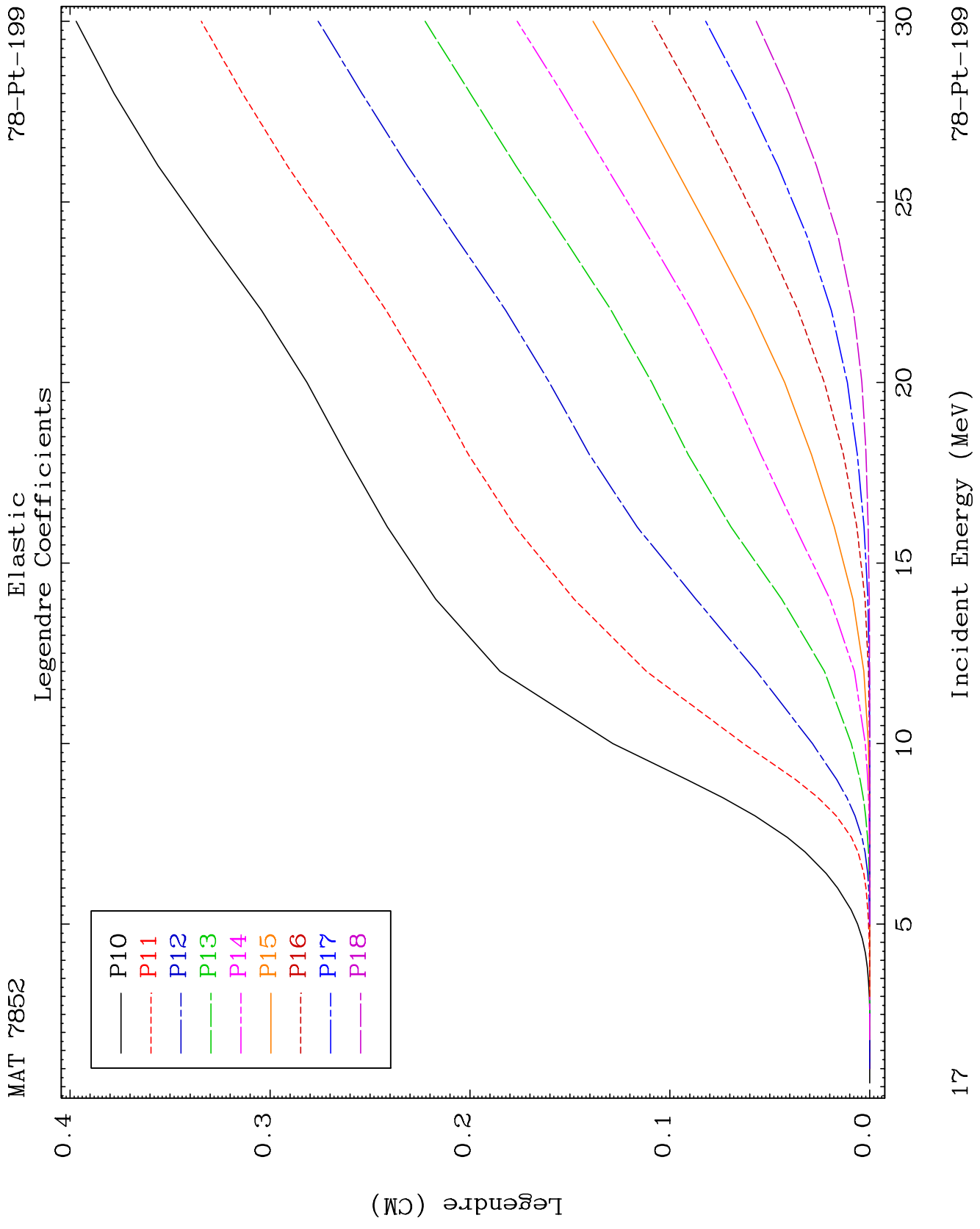
78-Pt-199







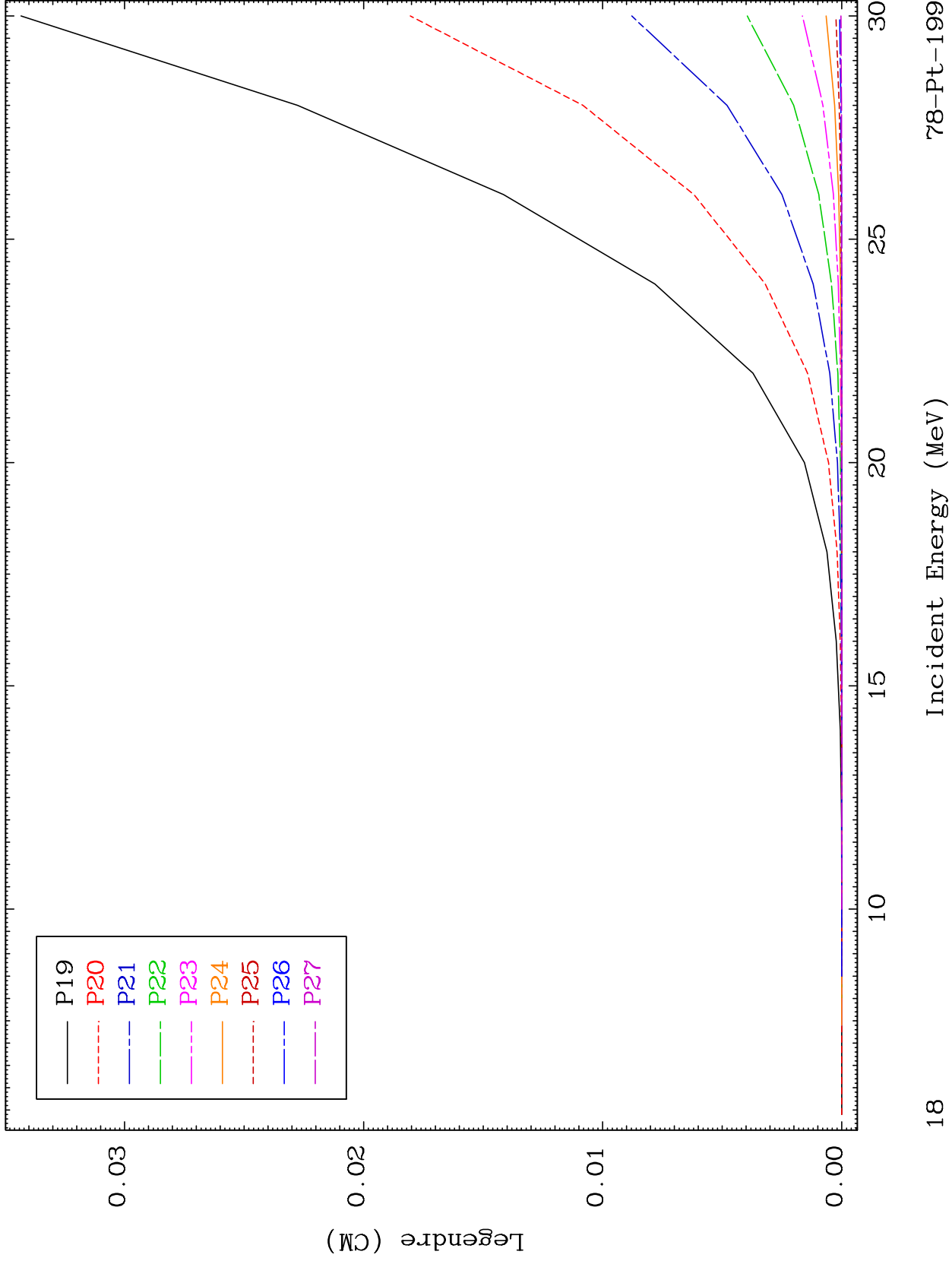




MAT 7852

### Elastic Legendre Coefficients

78-Pt-199



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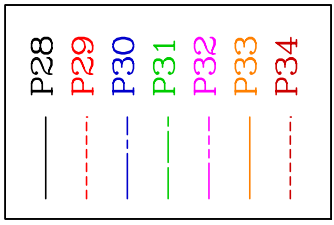
Incident Energy (MeV)

78-Pt-199

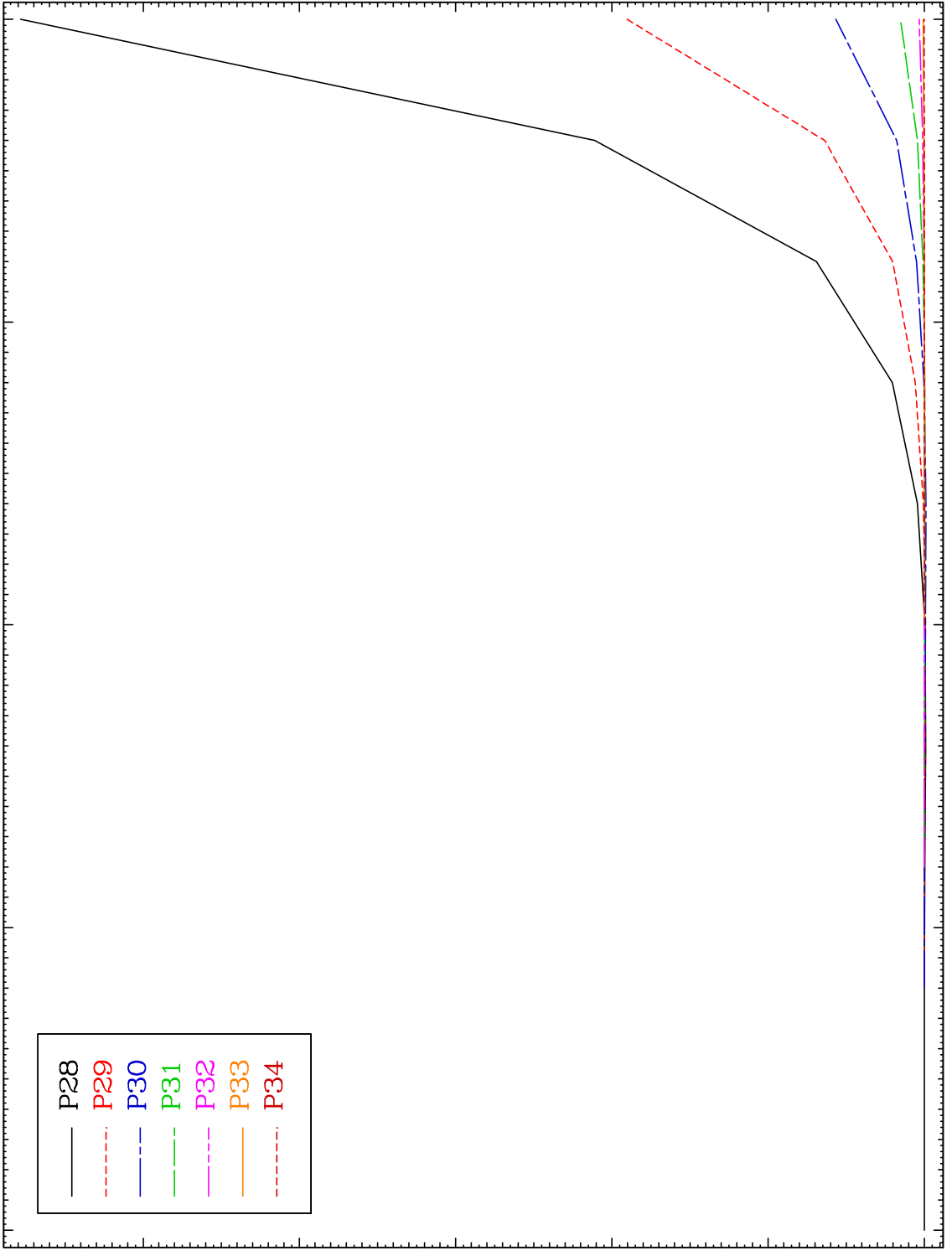
MAT 7852

Elastic Legendre Coefficients

78-Pt-199



$\times 10^{-5}$   
1.0  
0.8  
0.6  
0.4  
0.2  
0.0



10 15 20 25 30

Incident Energy (MeV)

78-Pt-199

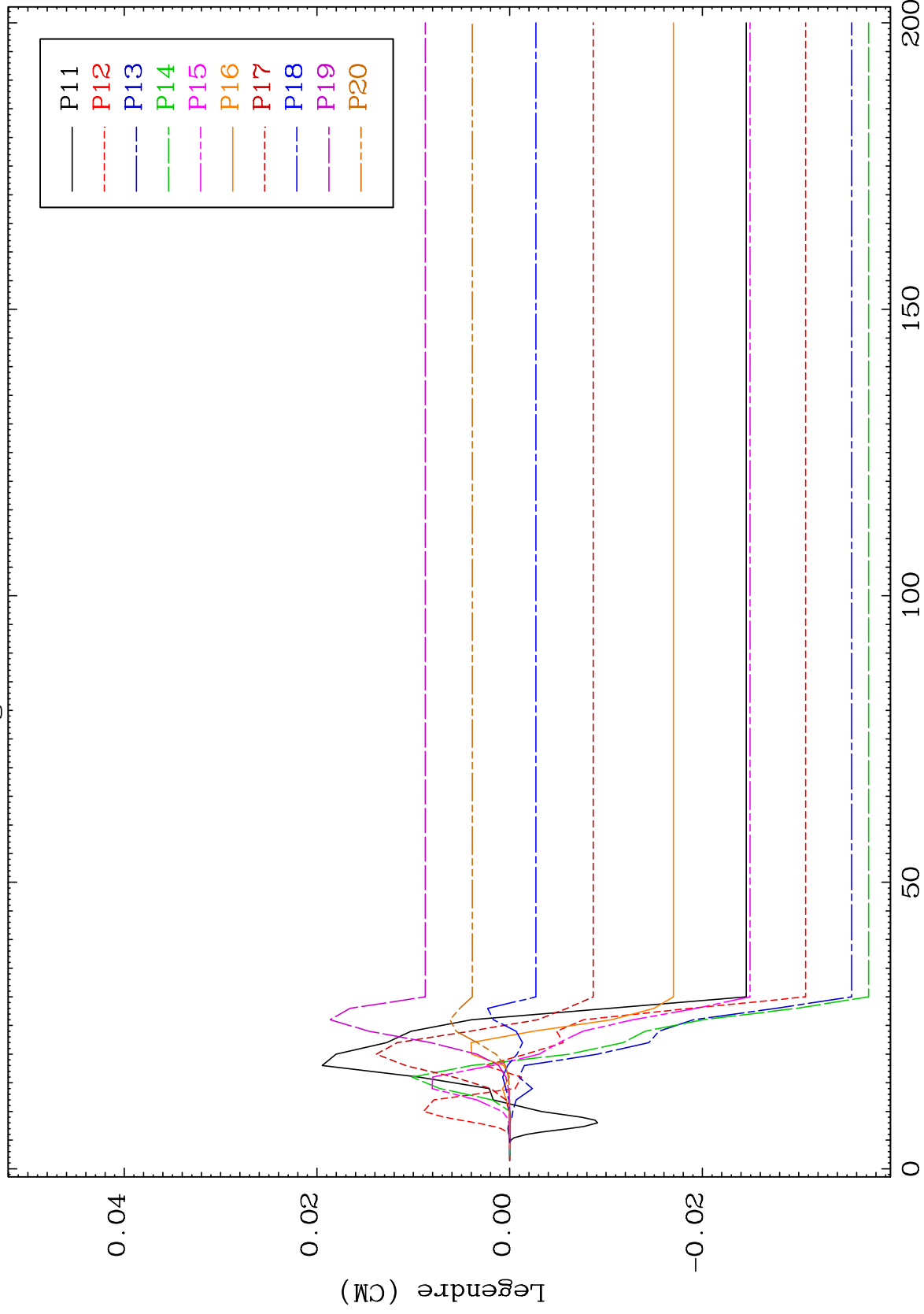
19



MAT 7852

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

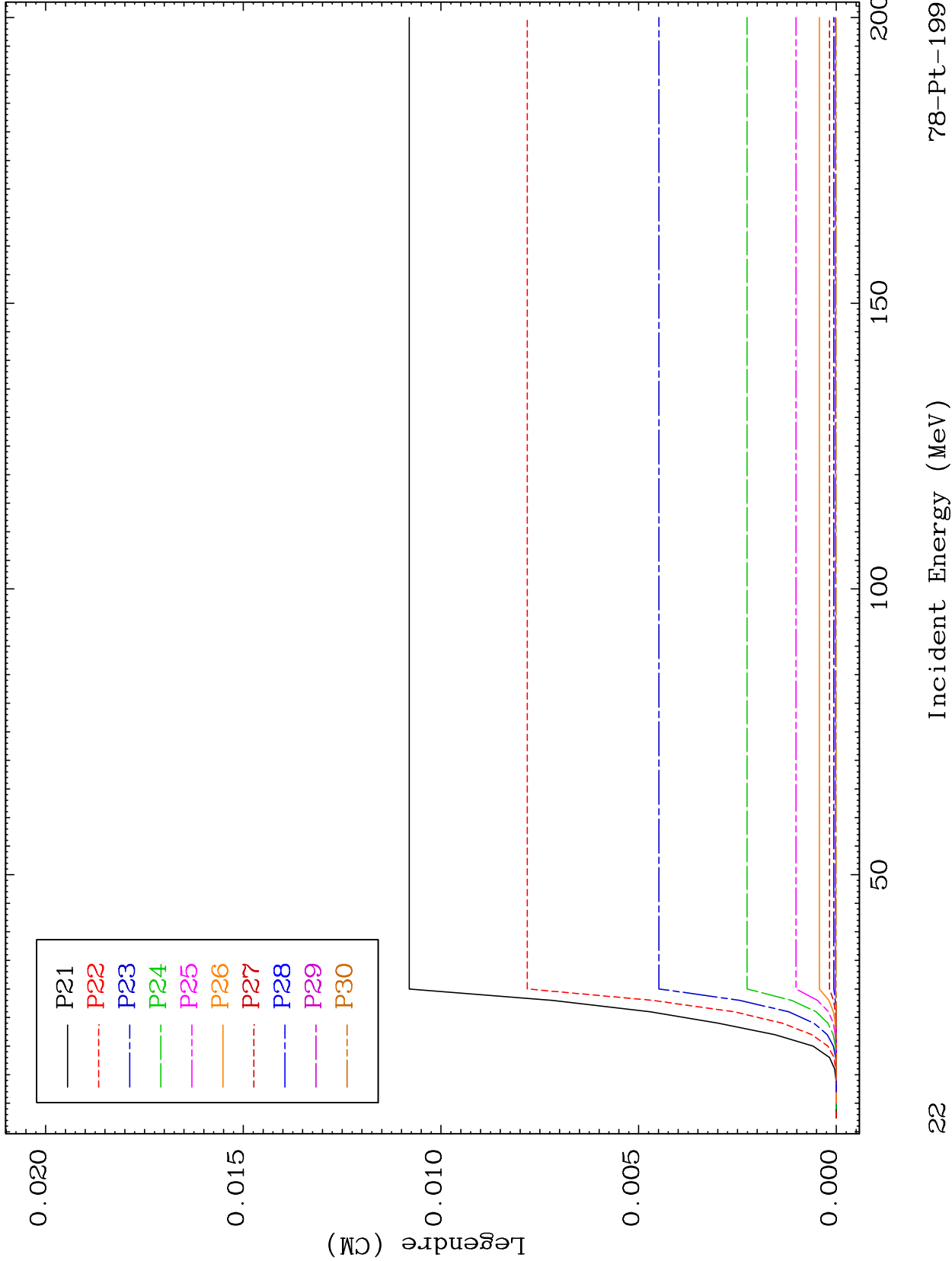
78-Pt-199



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Incident Energy (MeV)

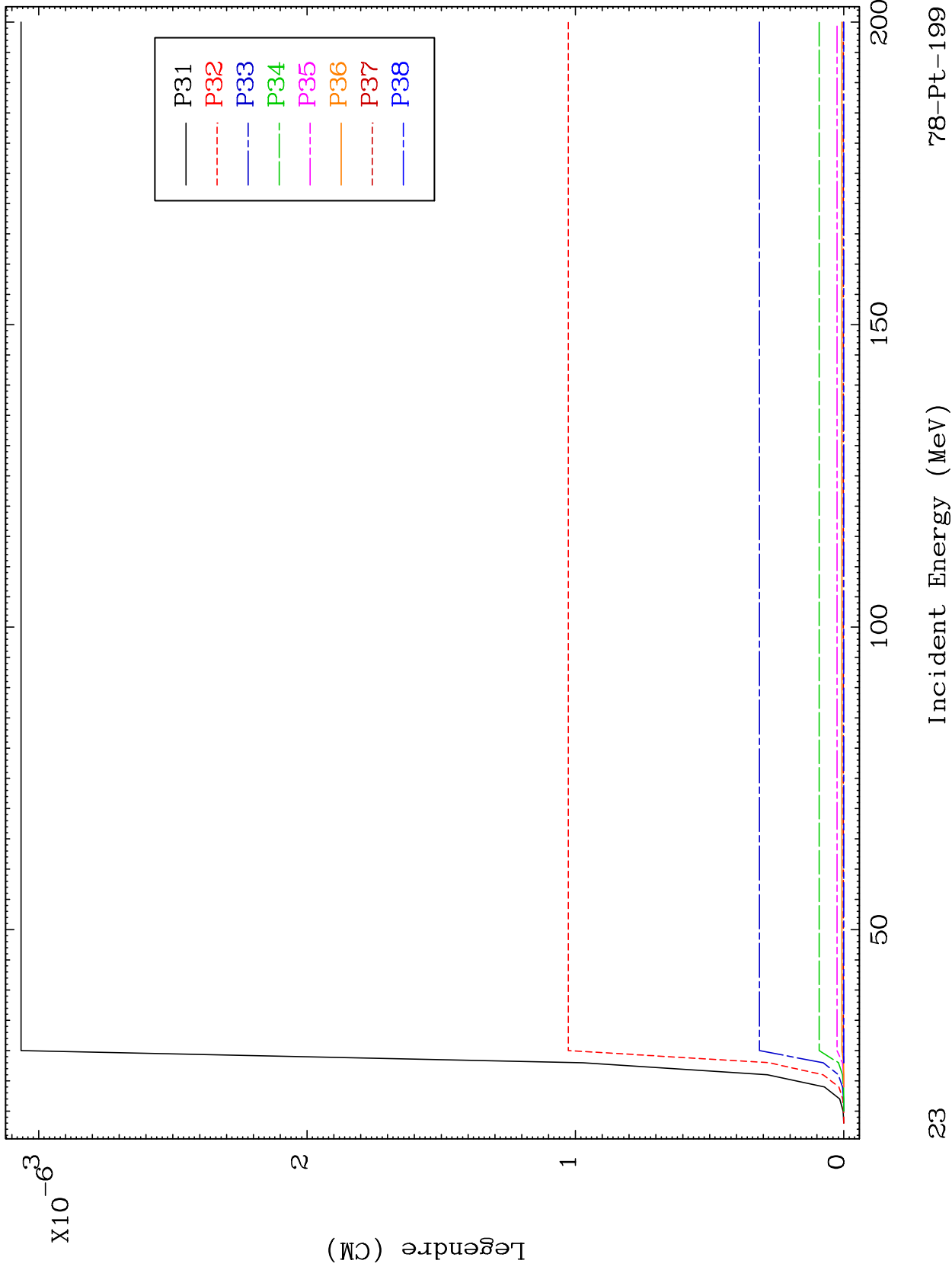
78-Pt-199



MAT 7852

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

78-Pt-199



23

Incident Energy (MeV)

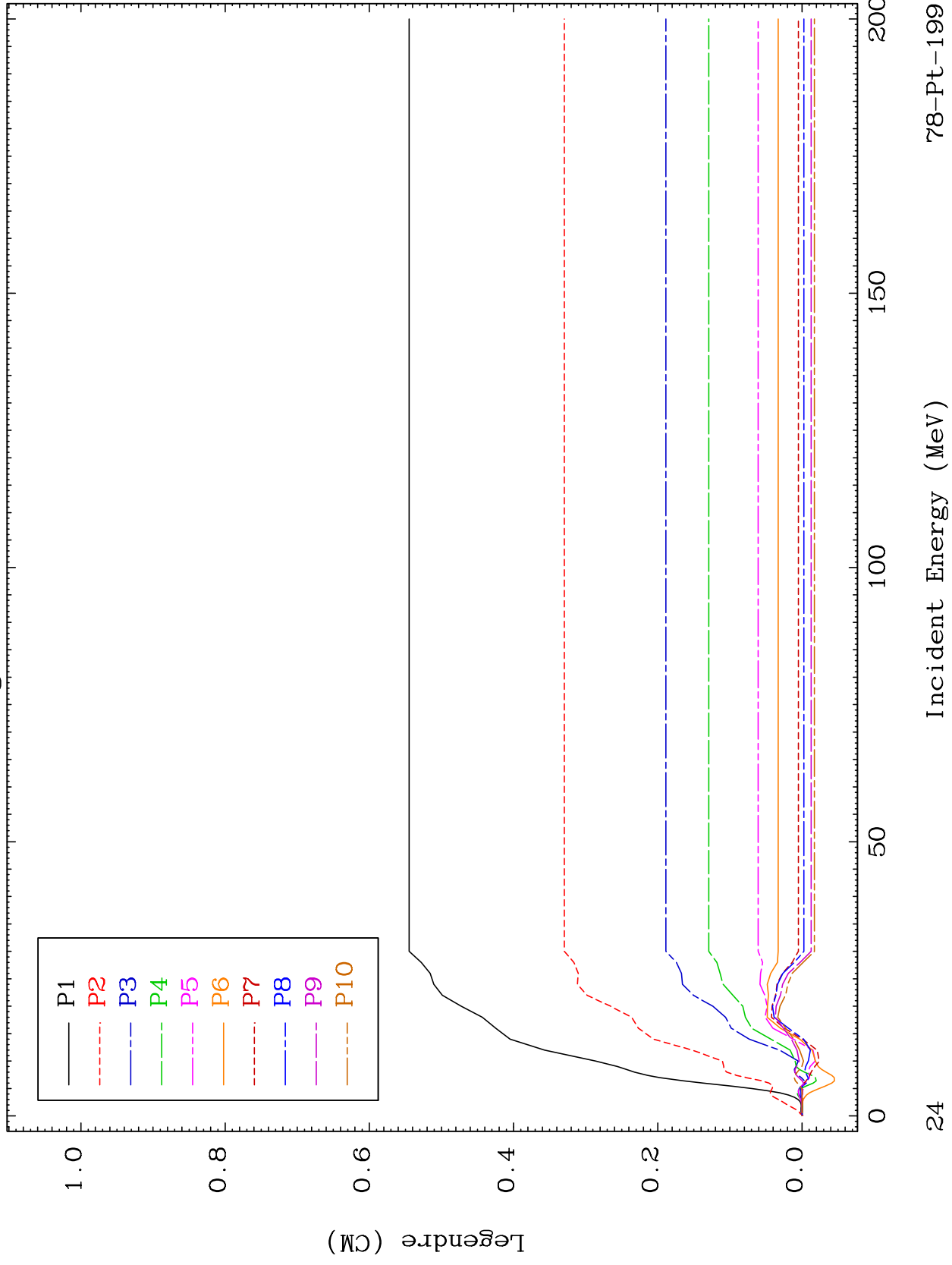
78-Pt-199



MAT 7852

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

78-Pt-199

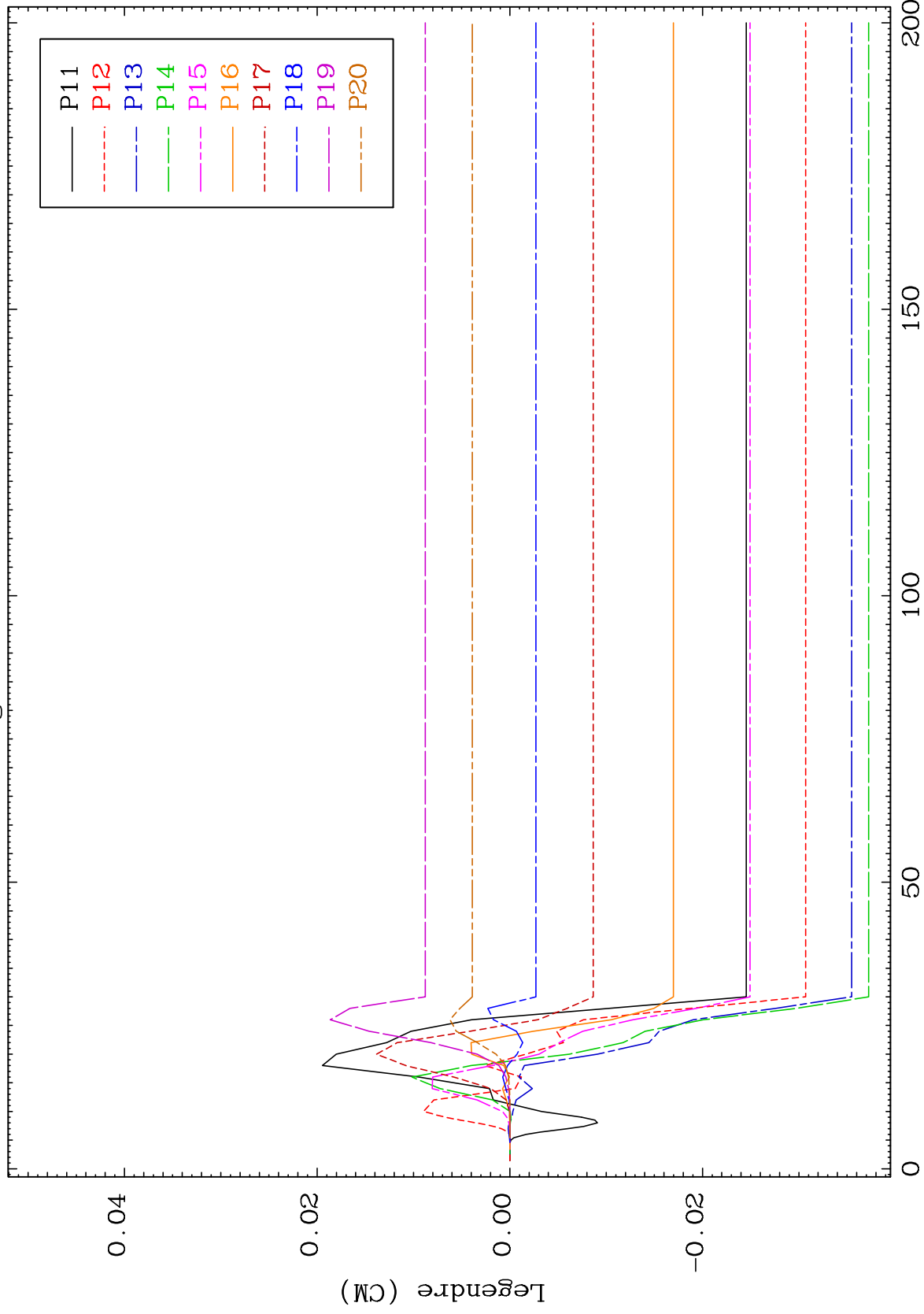


24

MAT 7852

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

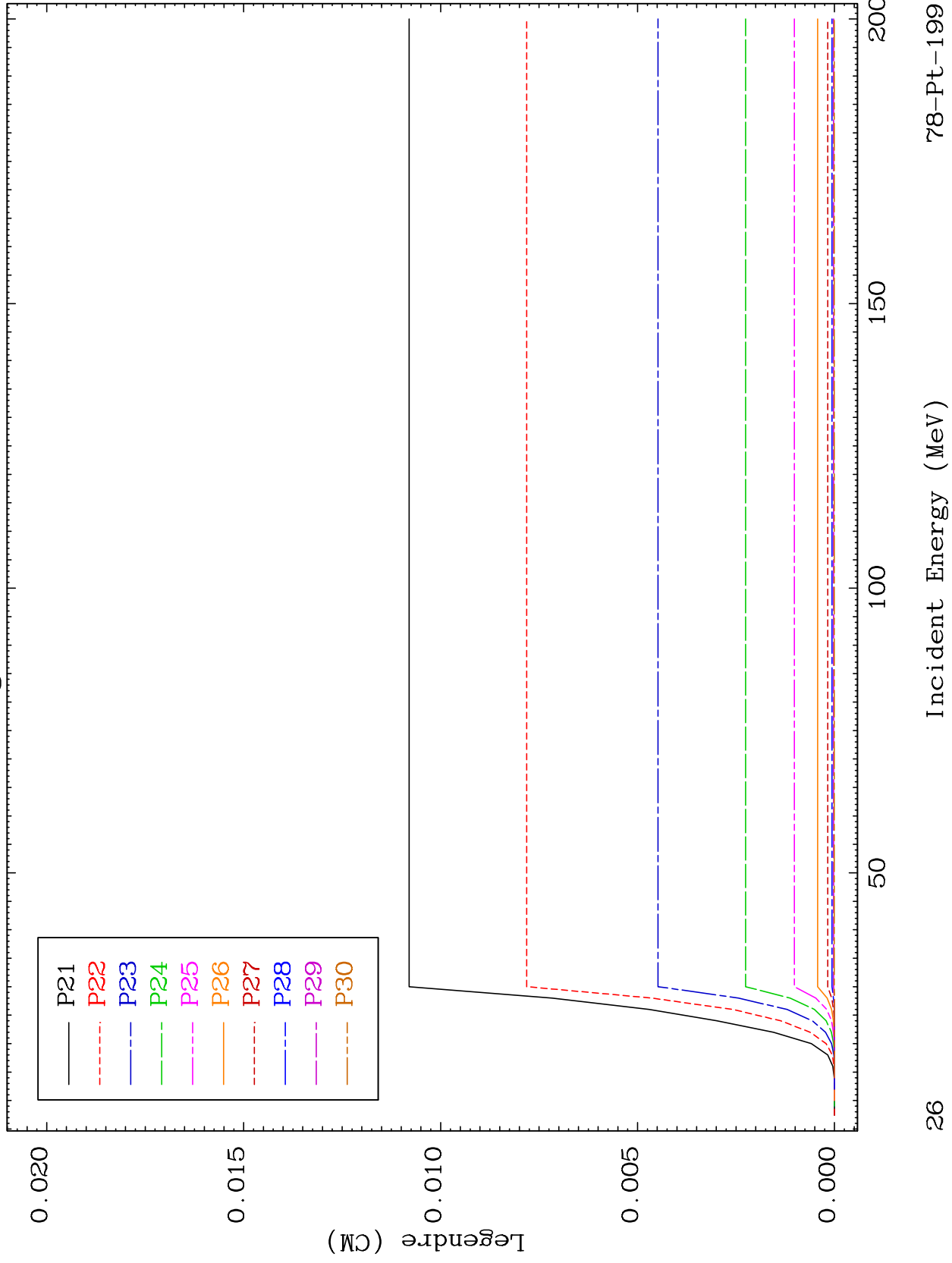
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25

Incident Energy (MeV)

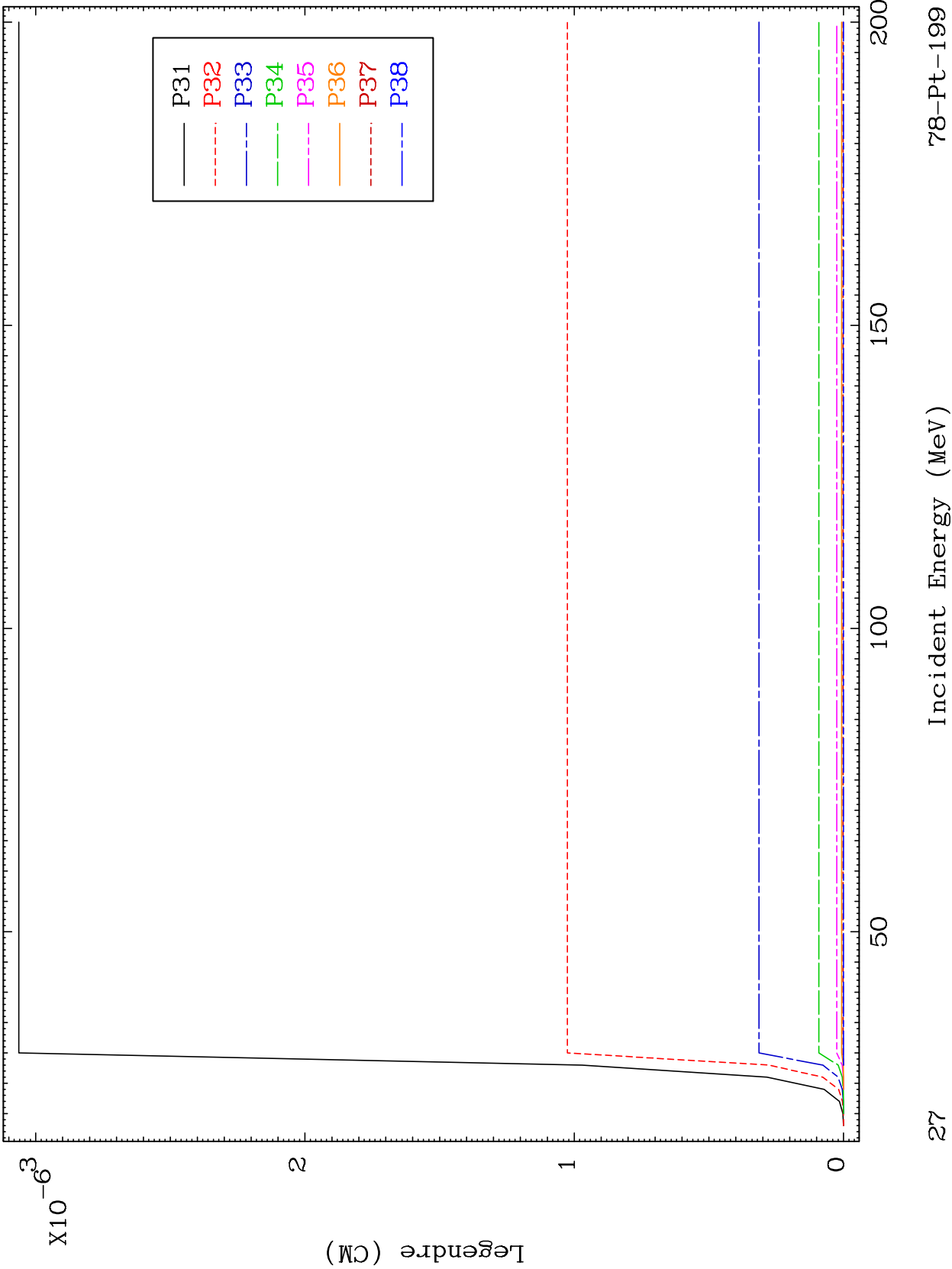
78-Pt-199



MAT 7852

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

78-Pt-199



27

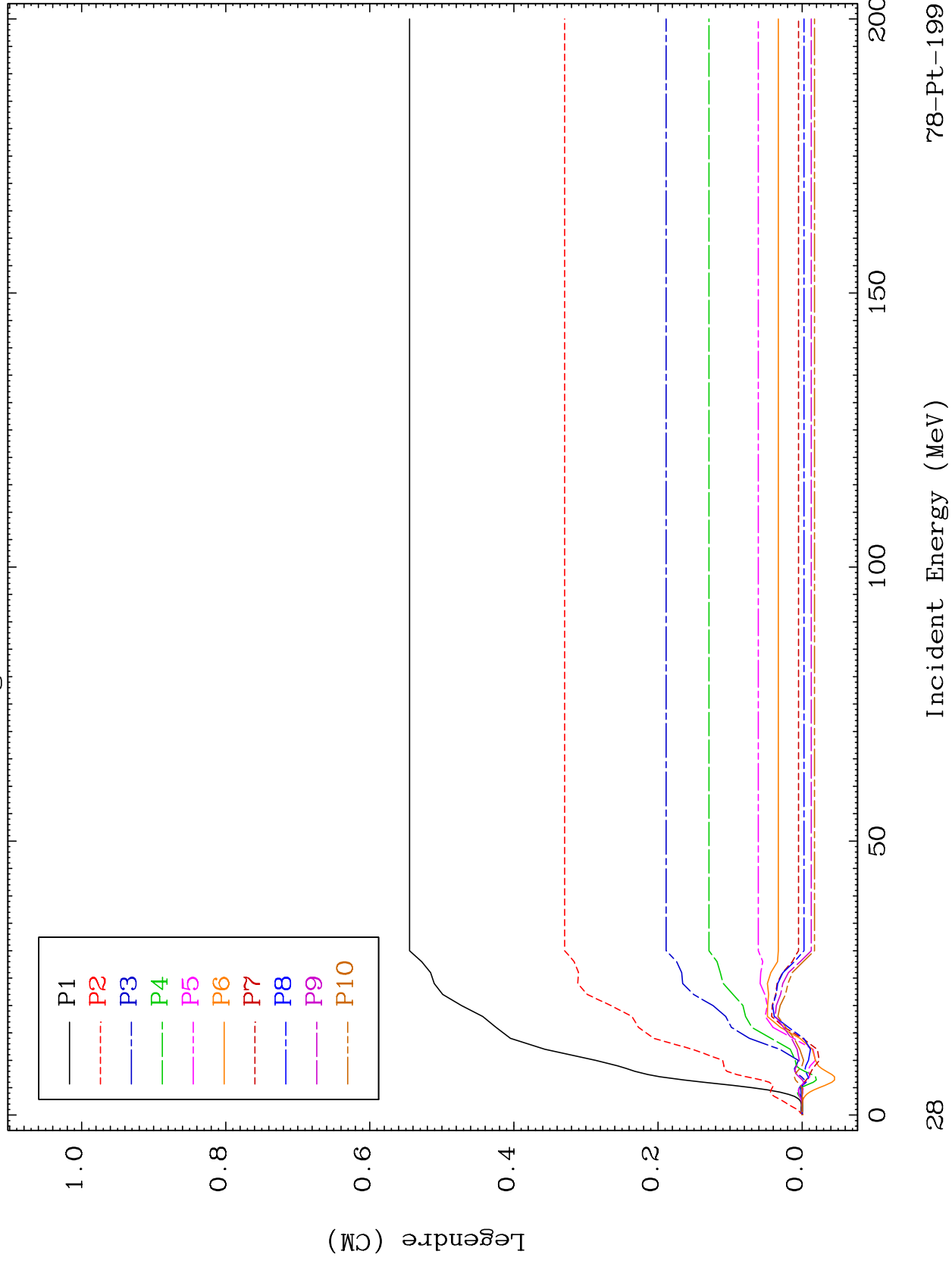
Incident Energy (MeV)

78-Pt-199

MAT 7852

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

78-Pt-199

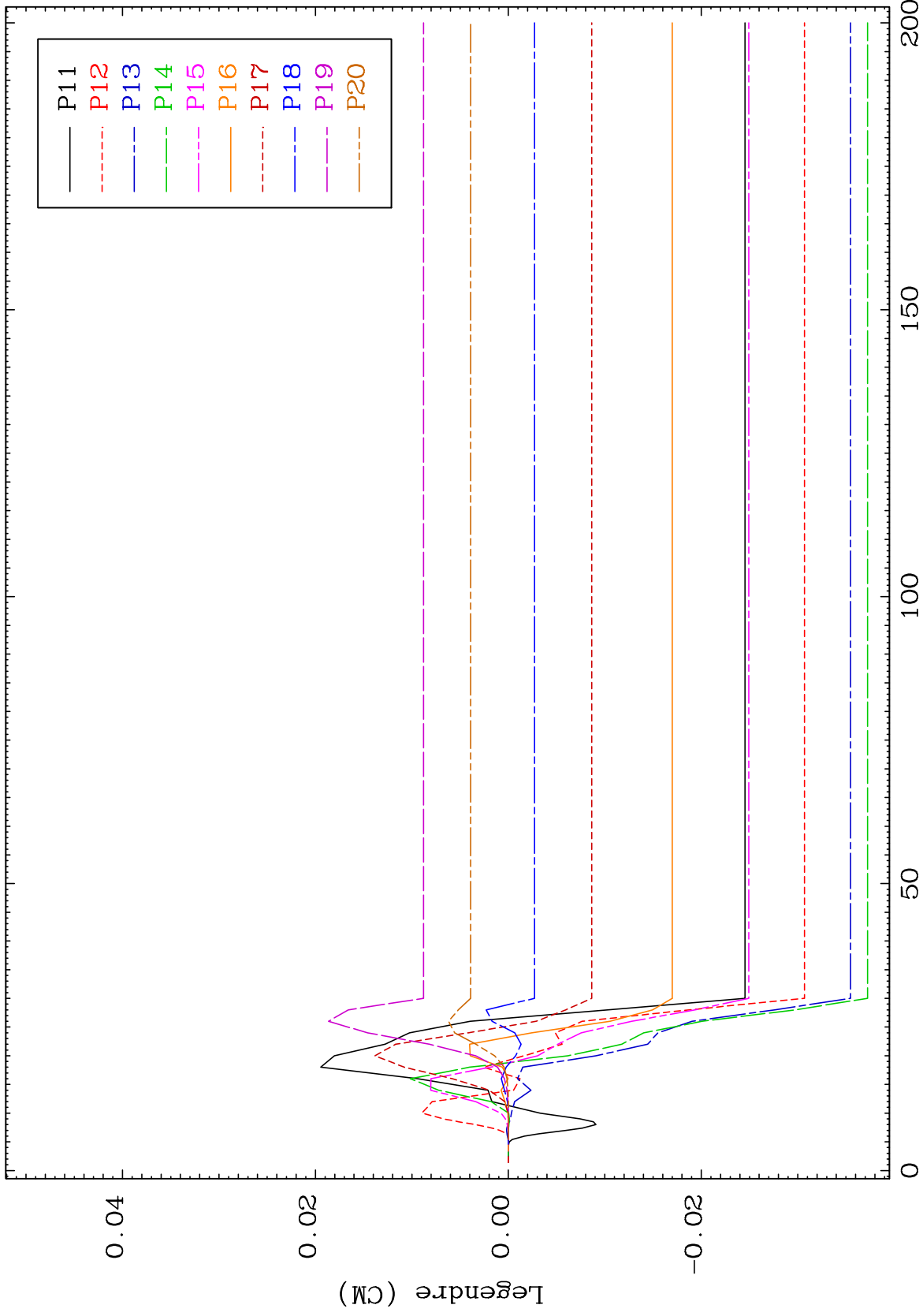


28

MAT 7852

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

78-Pt-199



29

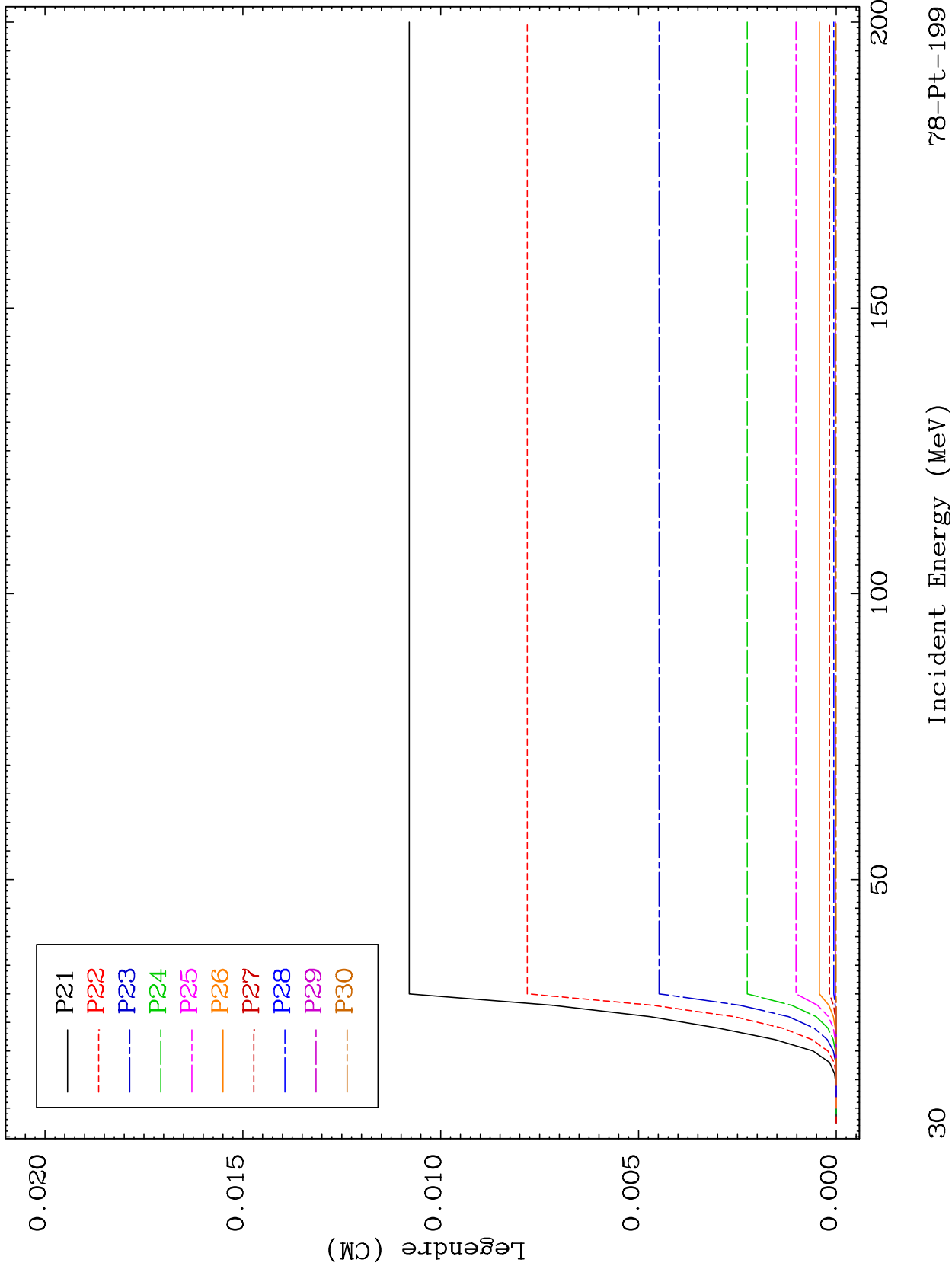
Incident Energy (MeV)

78-Pt-199

MAT 7852

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

78-Pt-199



30

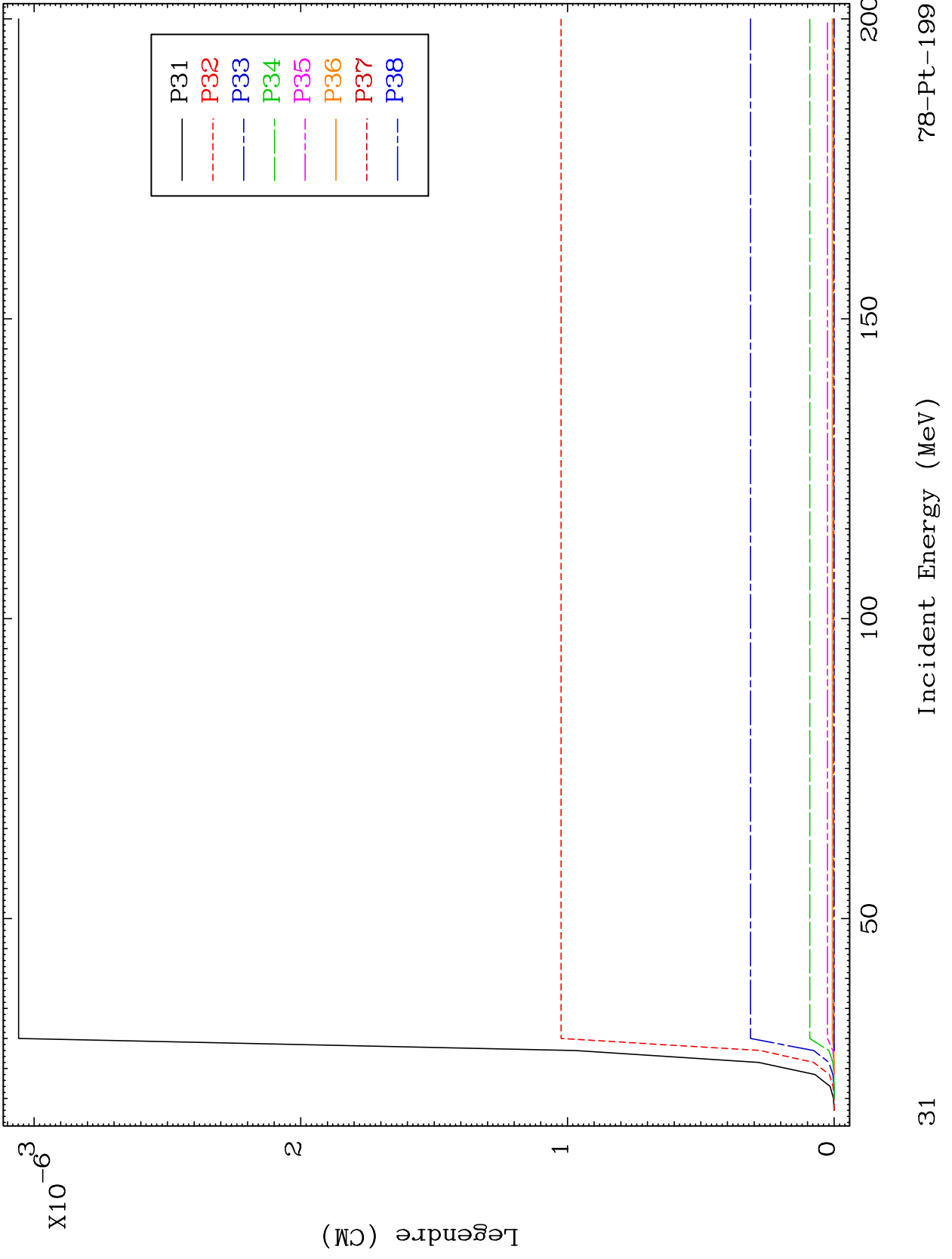
Incident Energy (MeV)

78-Pt-199

MAT 7852

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

78-Pt-199

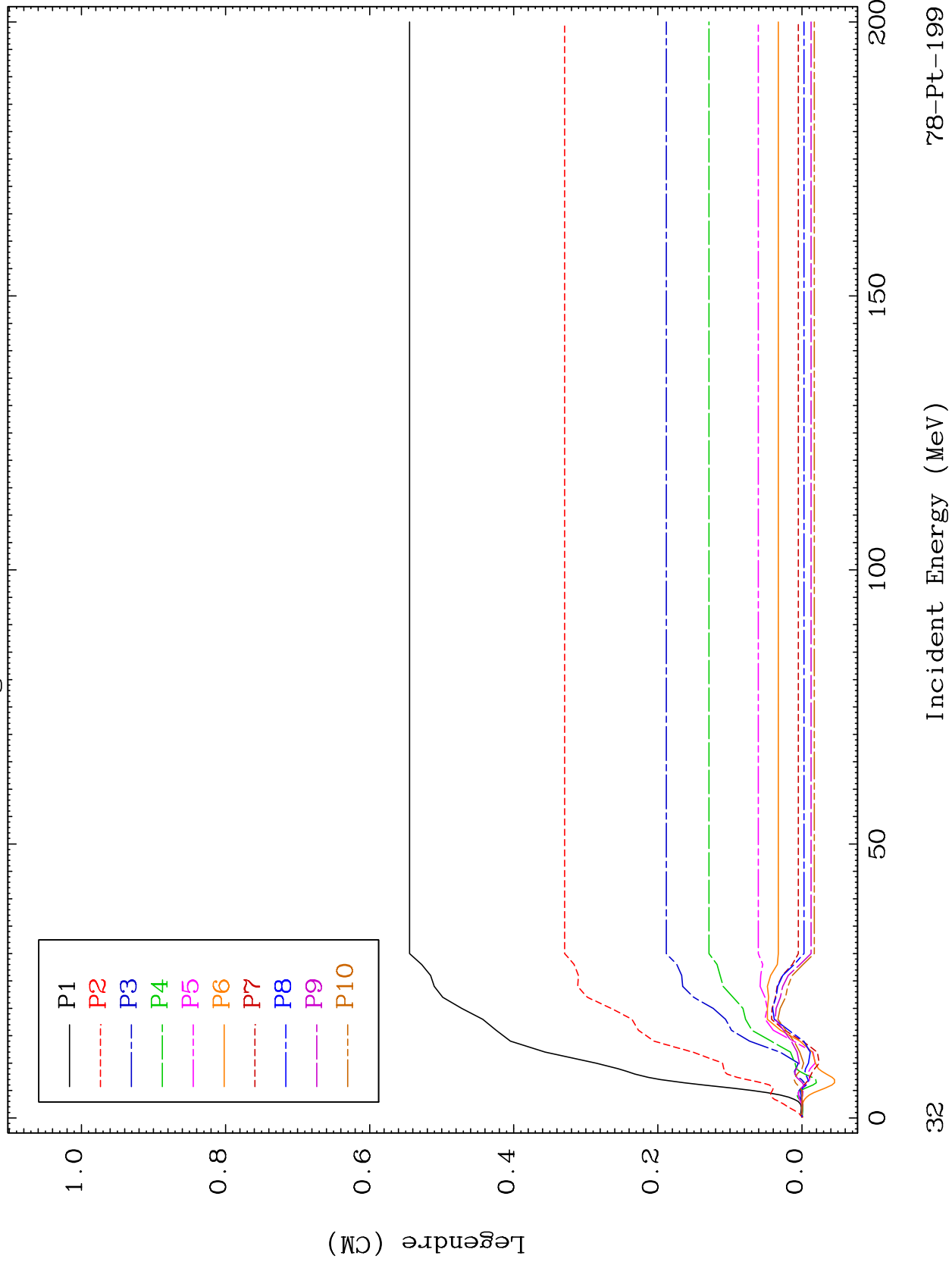




MAT 7852

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

78-Pt-199



32

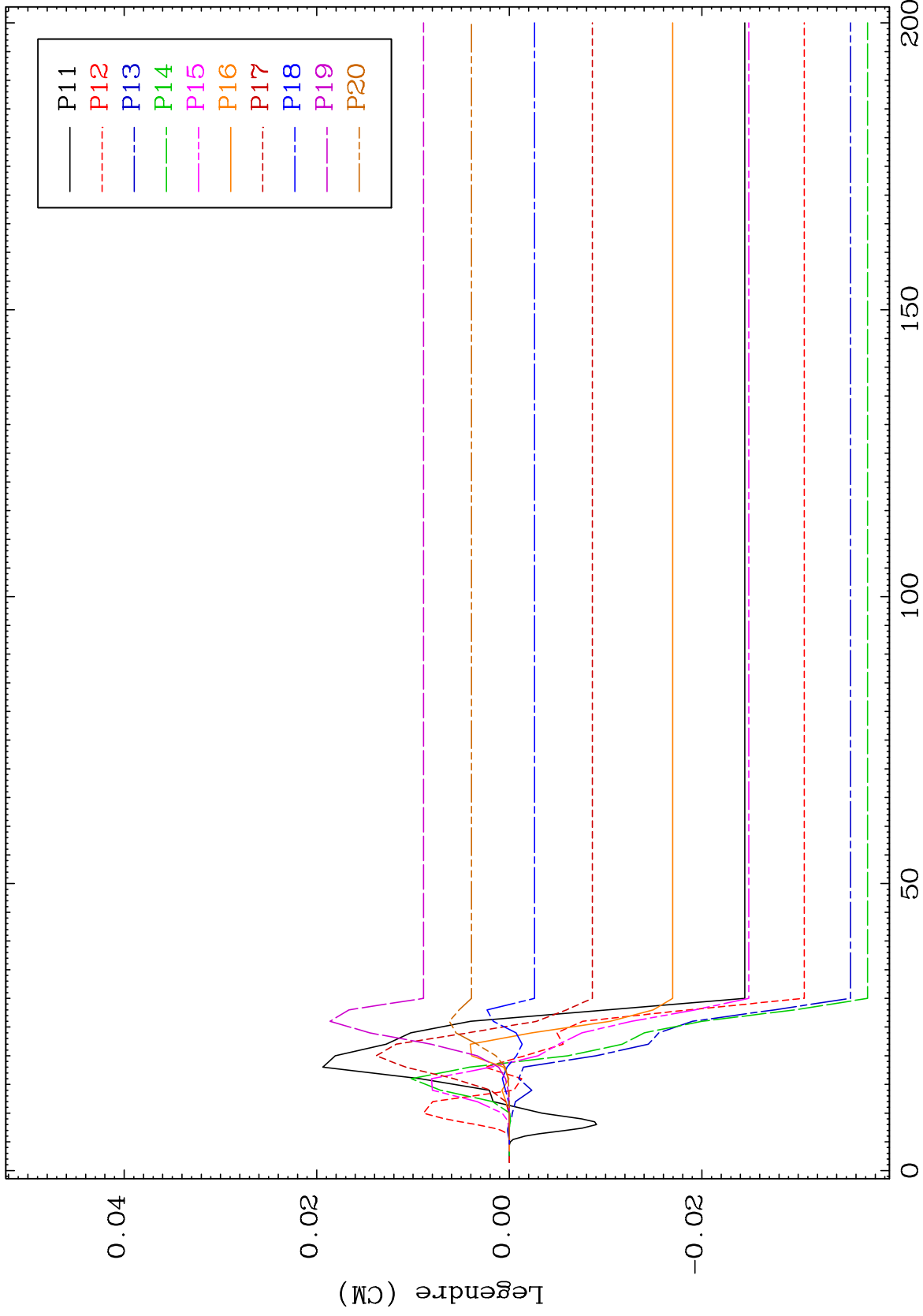
Incident Energy (MeV)

78-Pt-199

MAT 7852

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

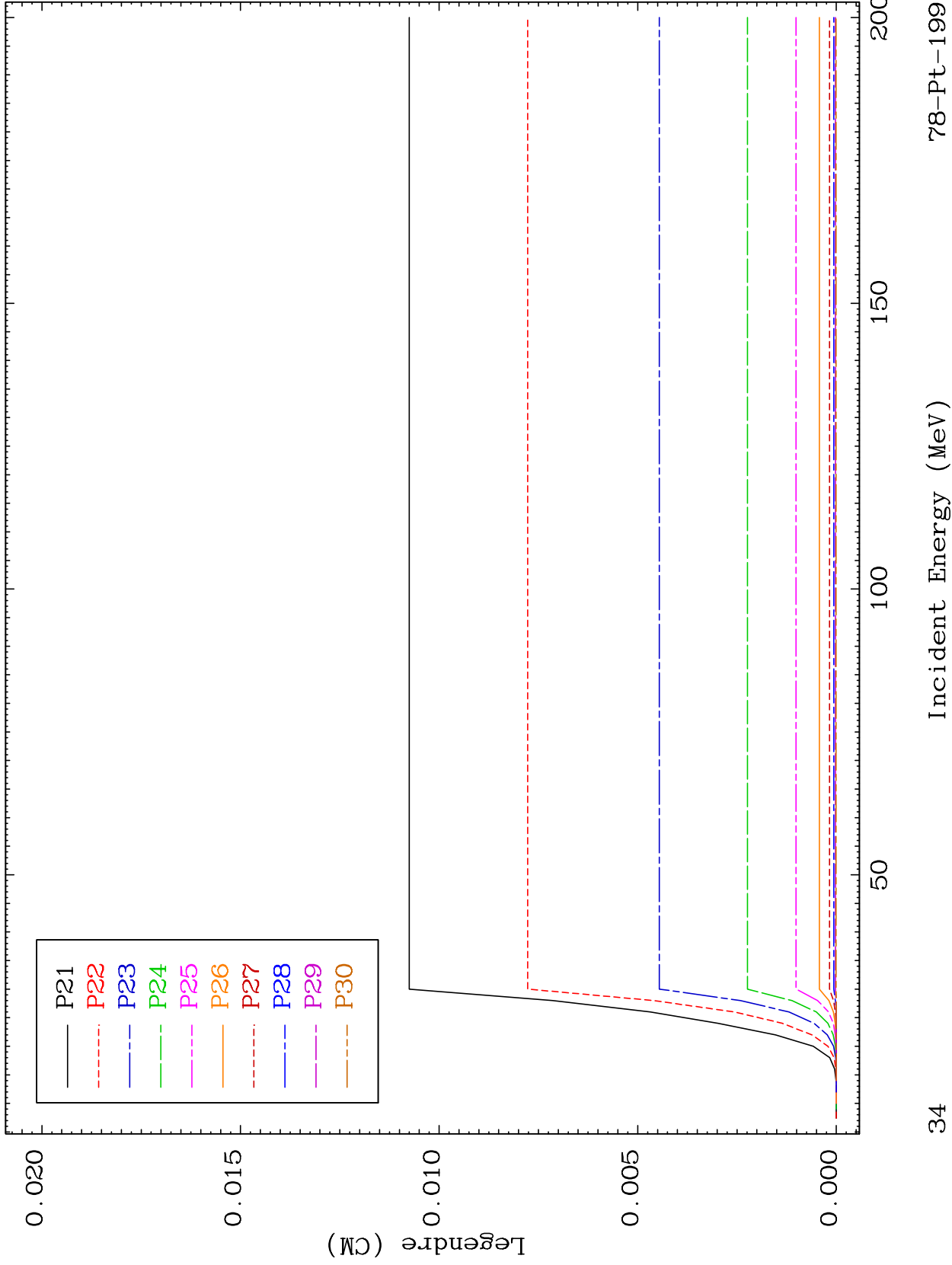
78-Pt-199



33

Incident Energy (MeV)

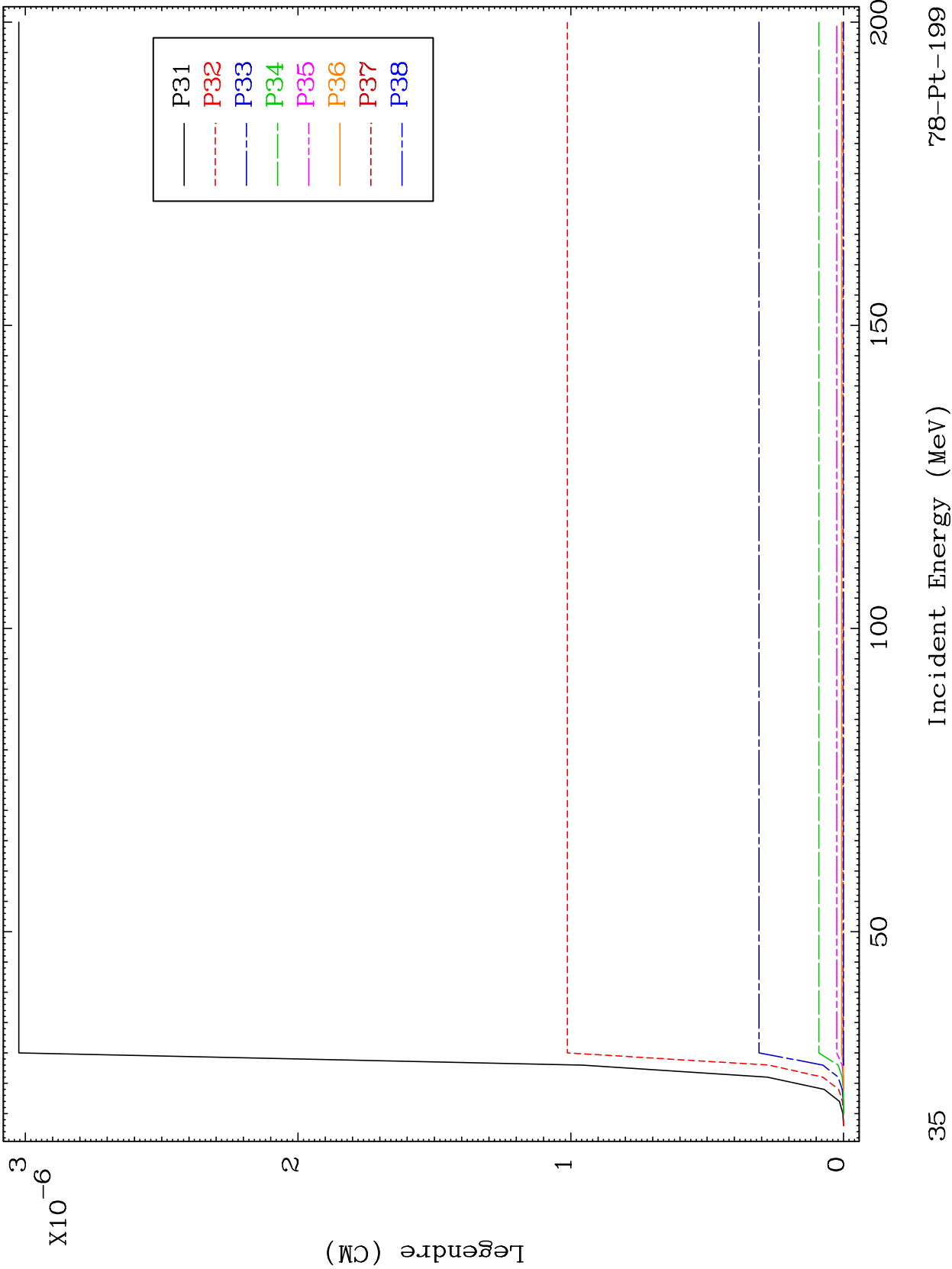
78-Pt-199



MAT 7852

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

78-Pt-199



35

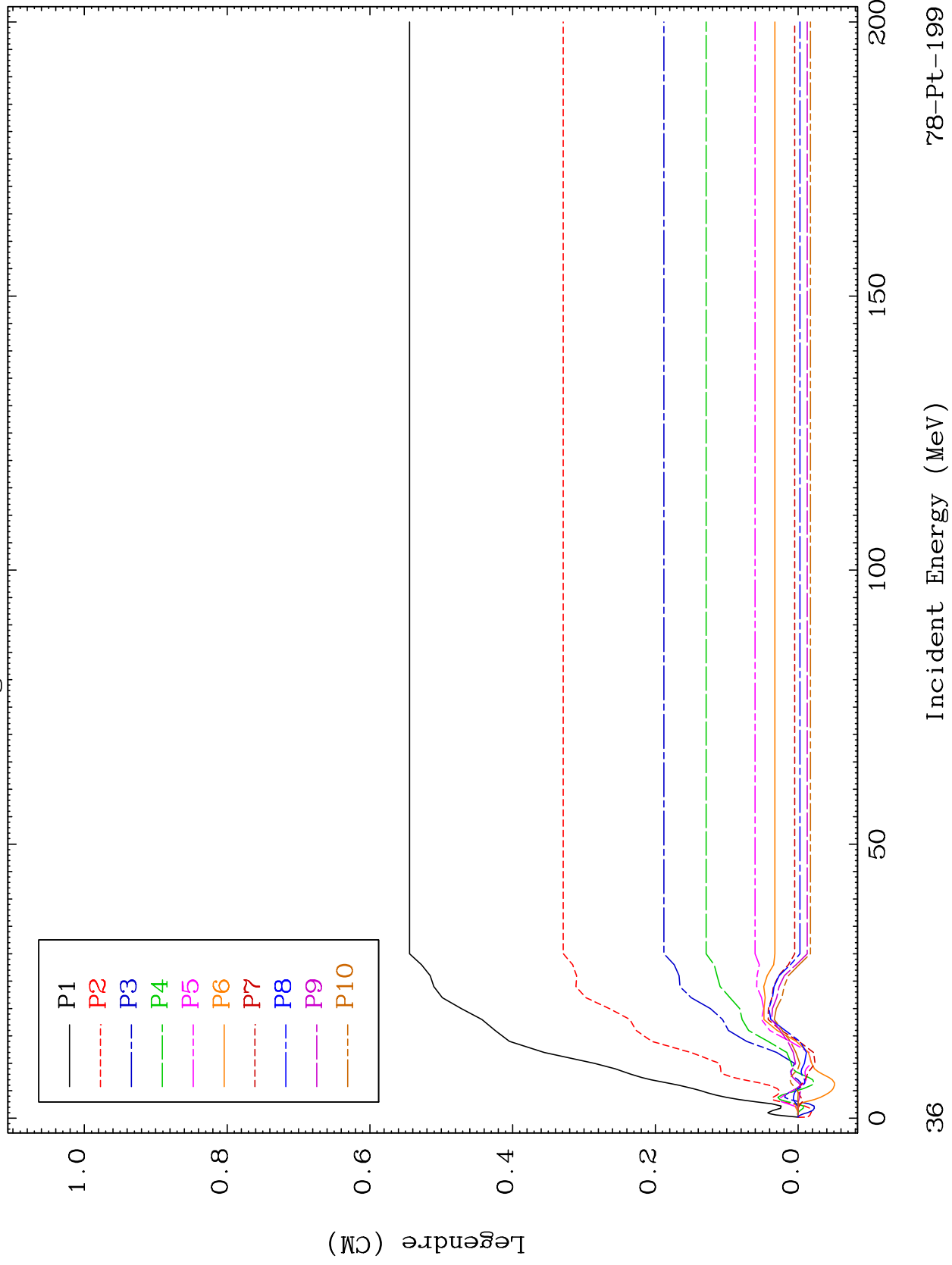
Incident Energy (MeV)

78-Pt-199

MAT 7852

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

78-Pt-199



78-Pt-199

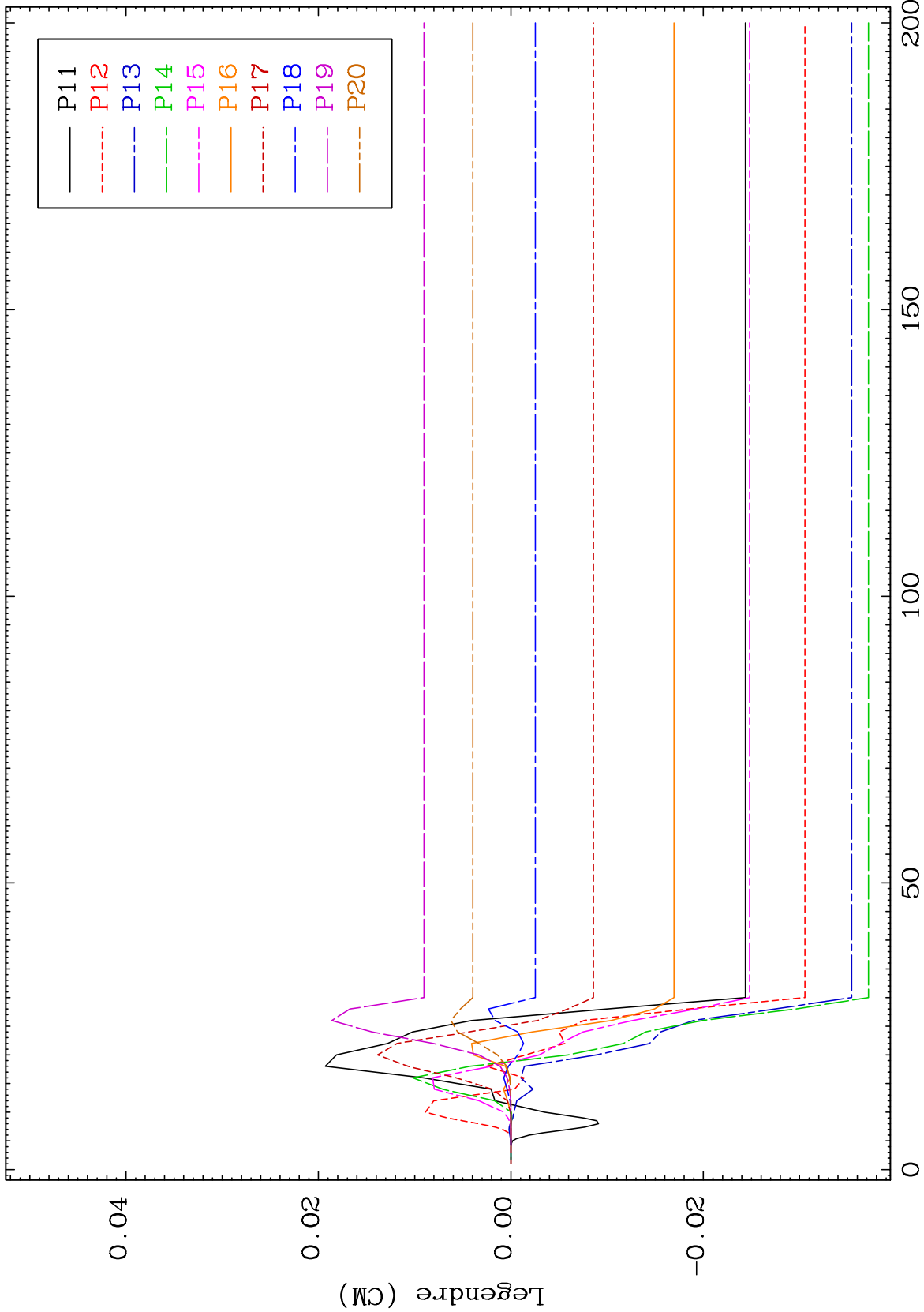
Incident Energy (MeV)

36

MAT 7852

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

78-Pt-199



37

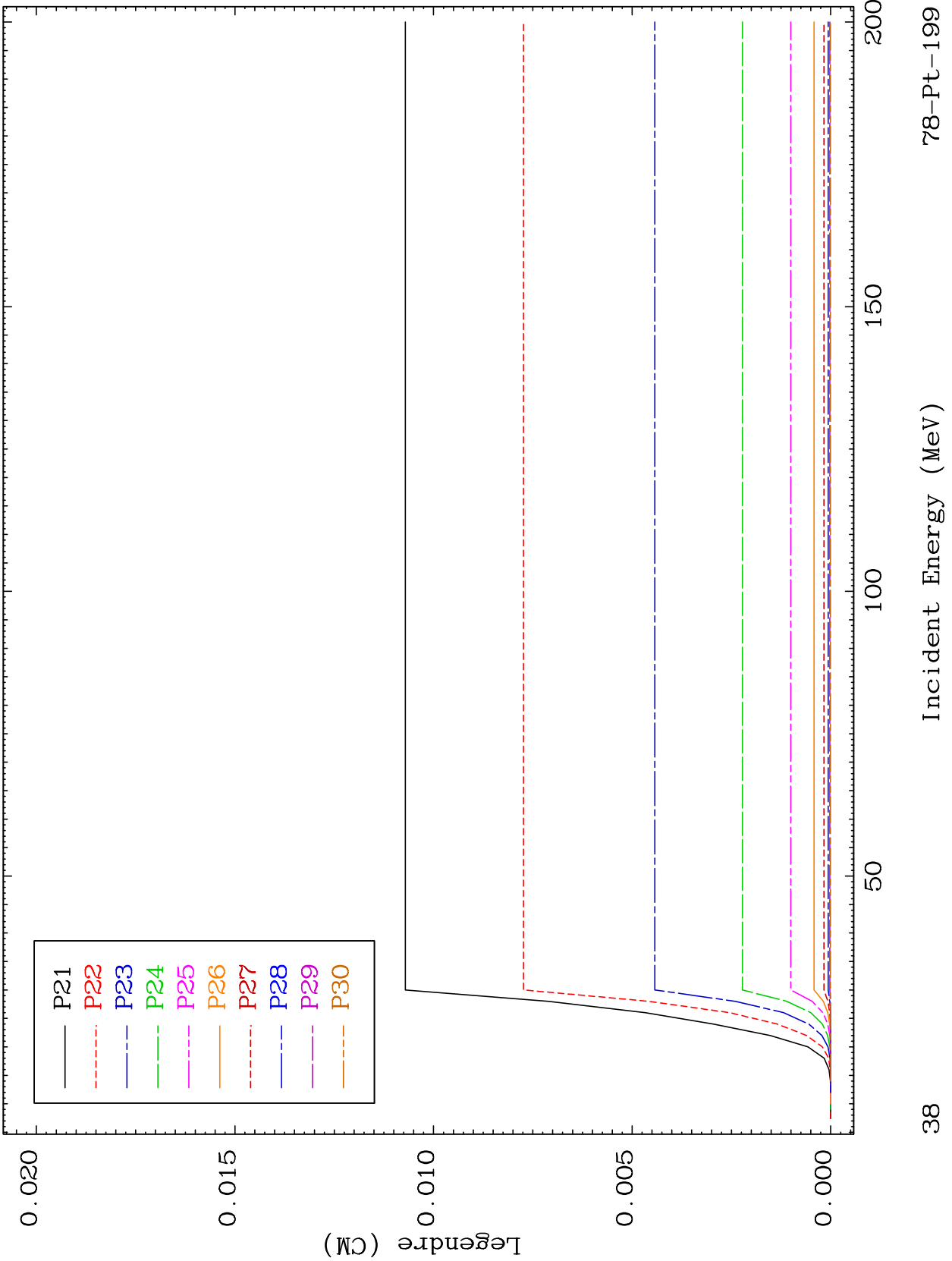
Incident Energy (MeV)

78-Pt-199

MAT 7852

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

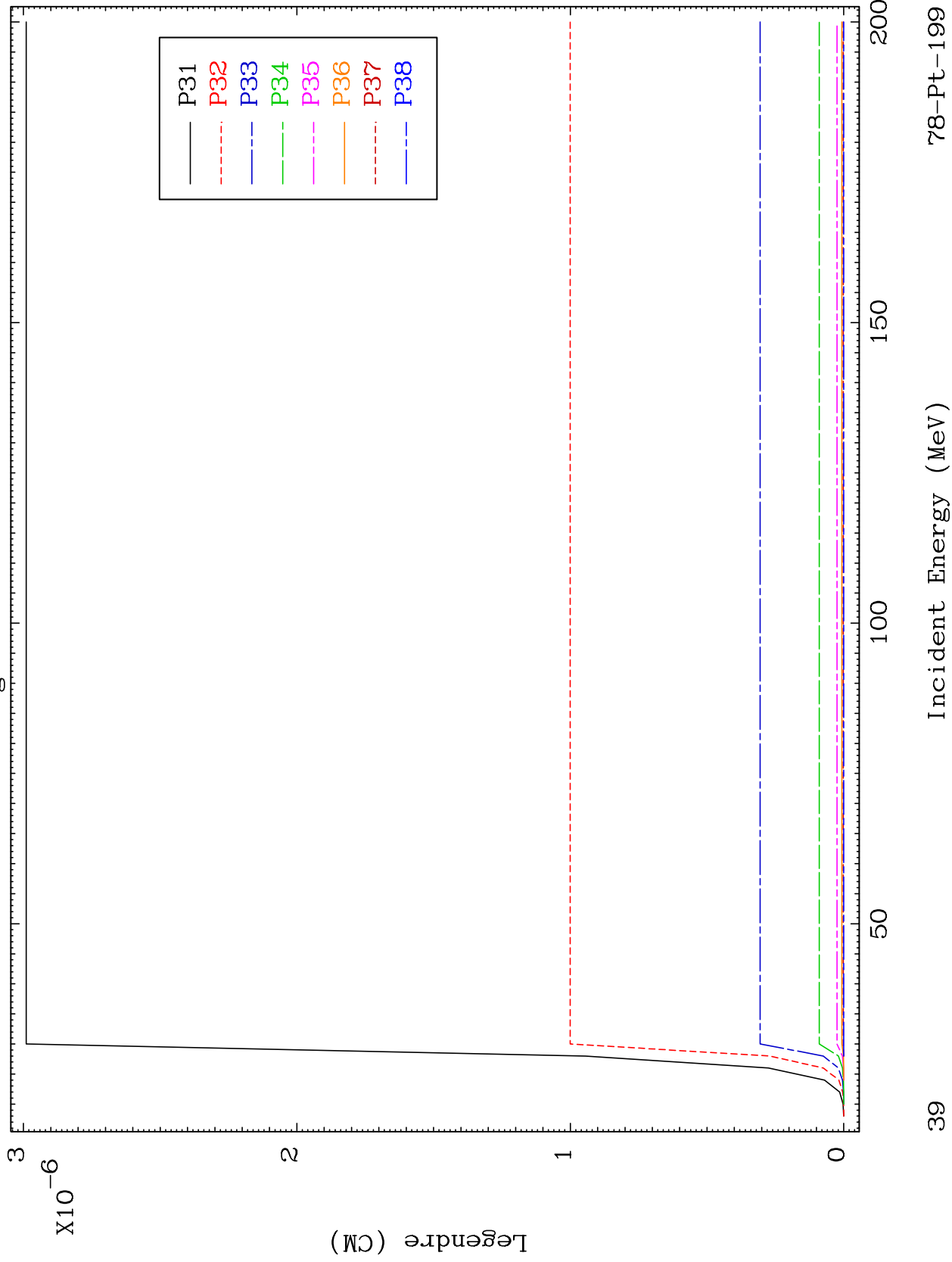
78-Pt-199



MAT 7852

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

78-Pt-199



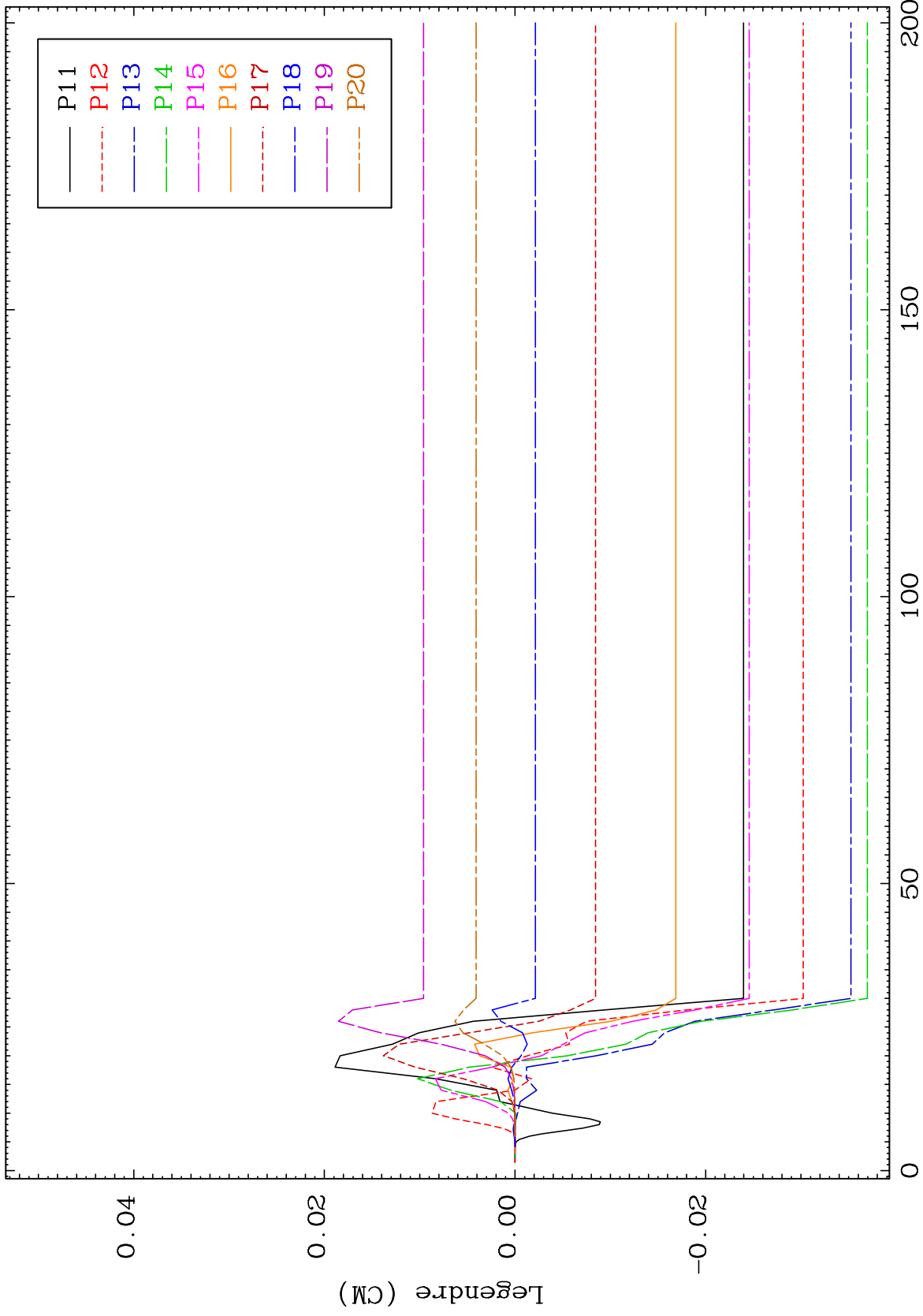




MAT 7852

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

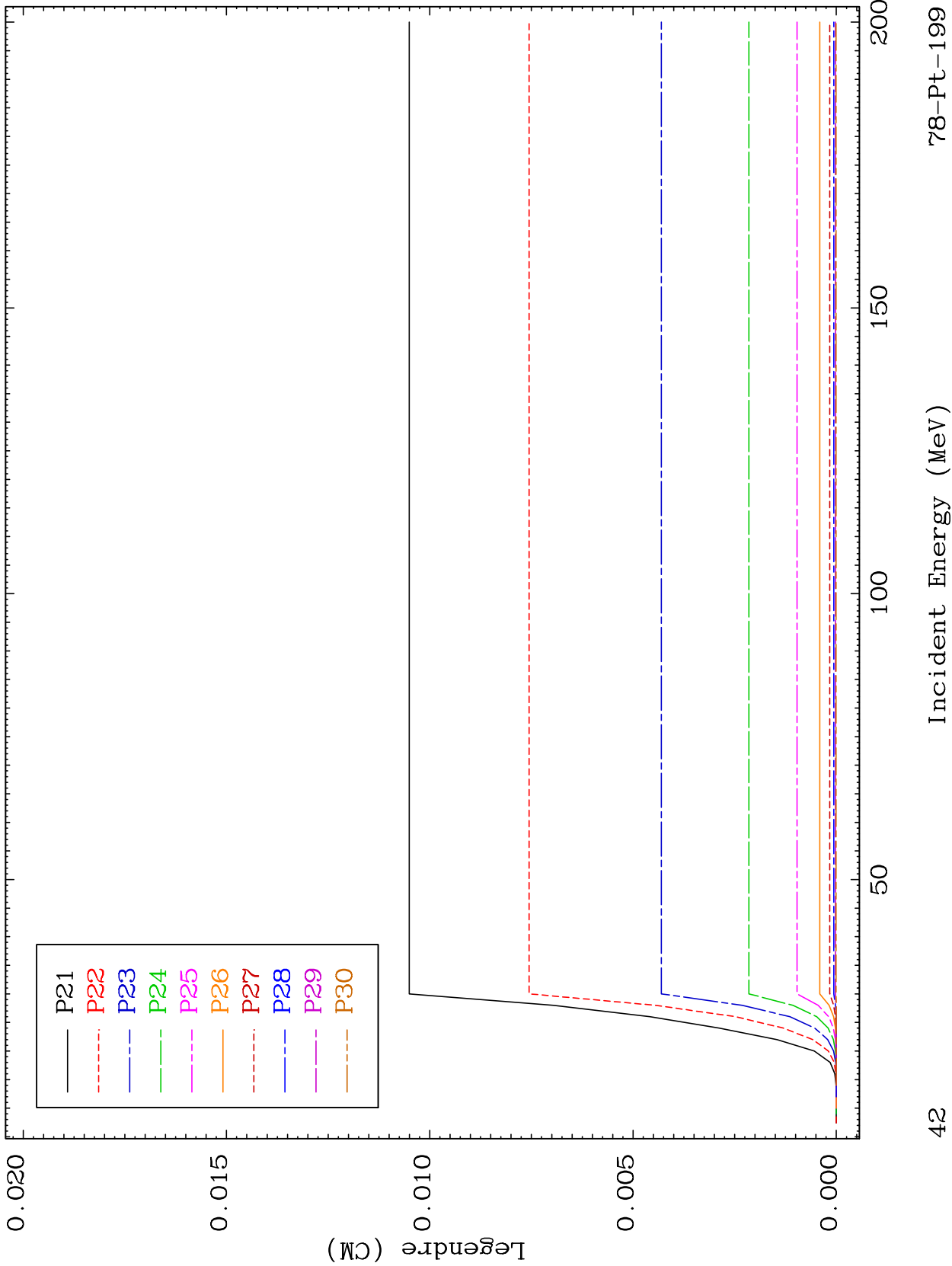
78-Pt-199



MAT 7852

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

78-Pt-199



42

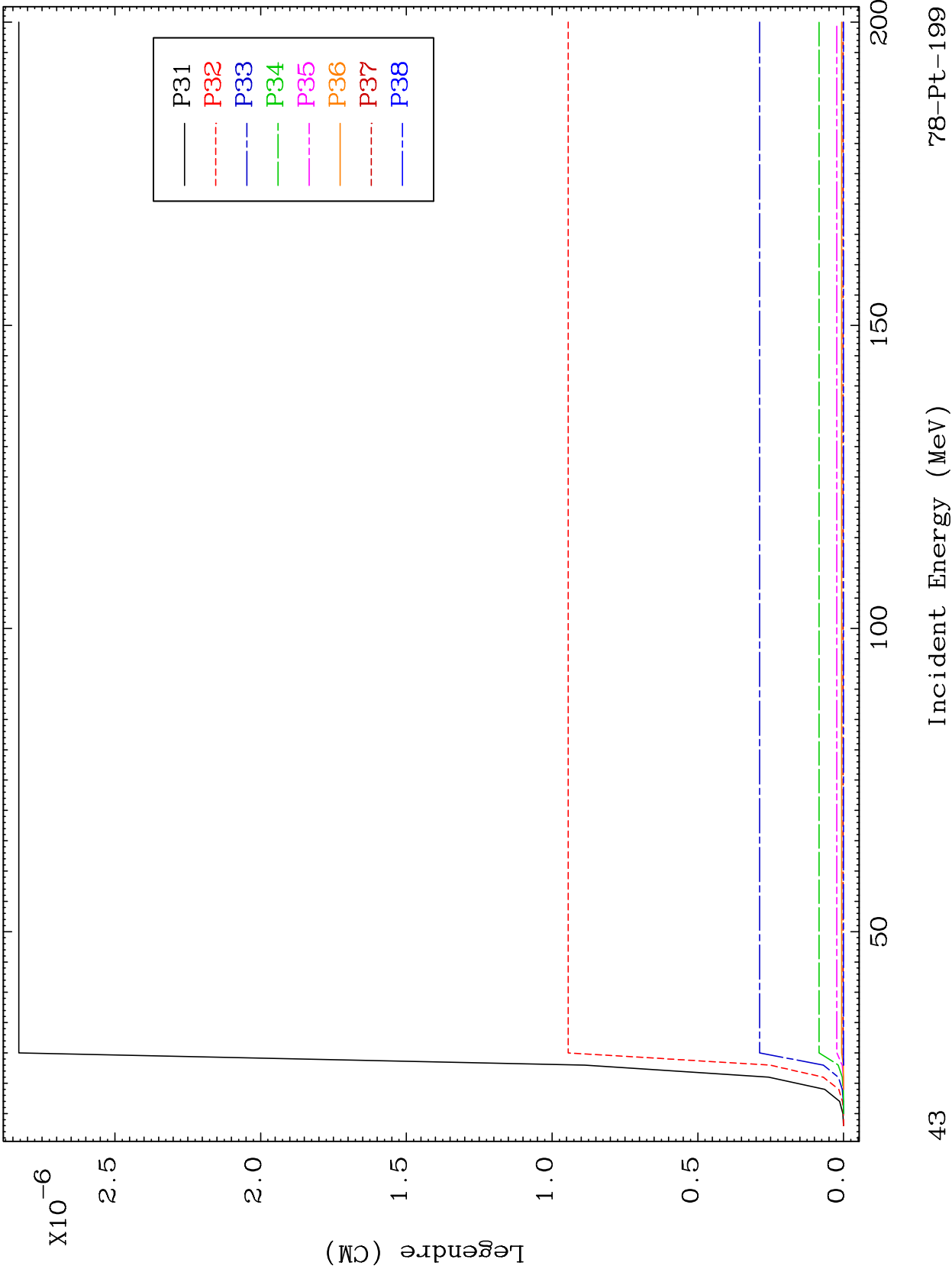
Incident Energy (MeV)

78-Pt-199

MAT 7852

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

78-Pt-199



43

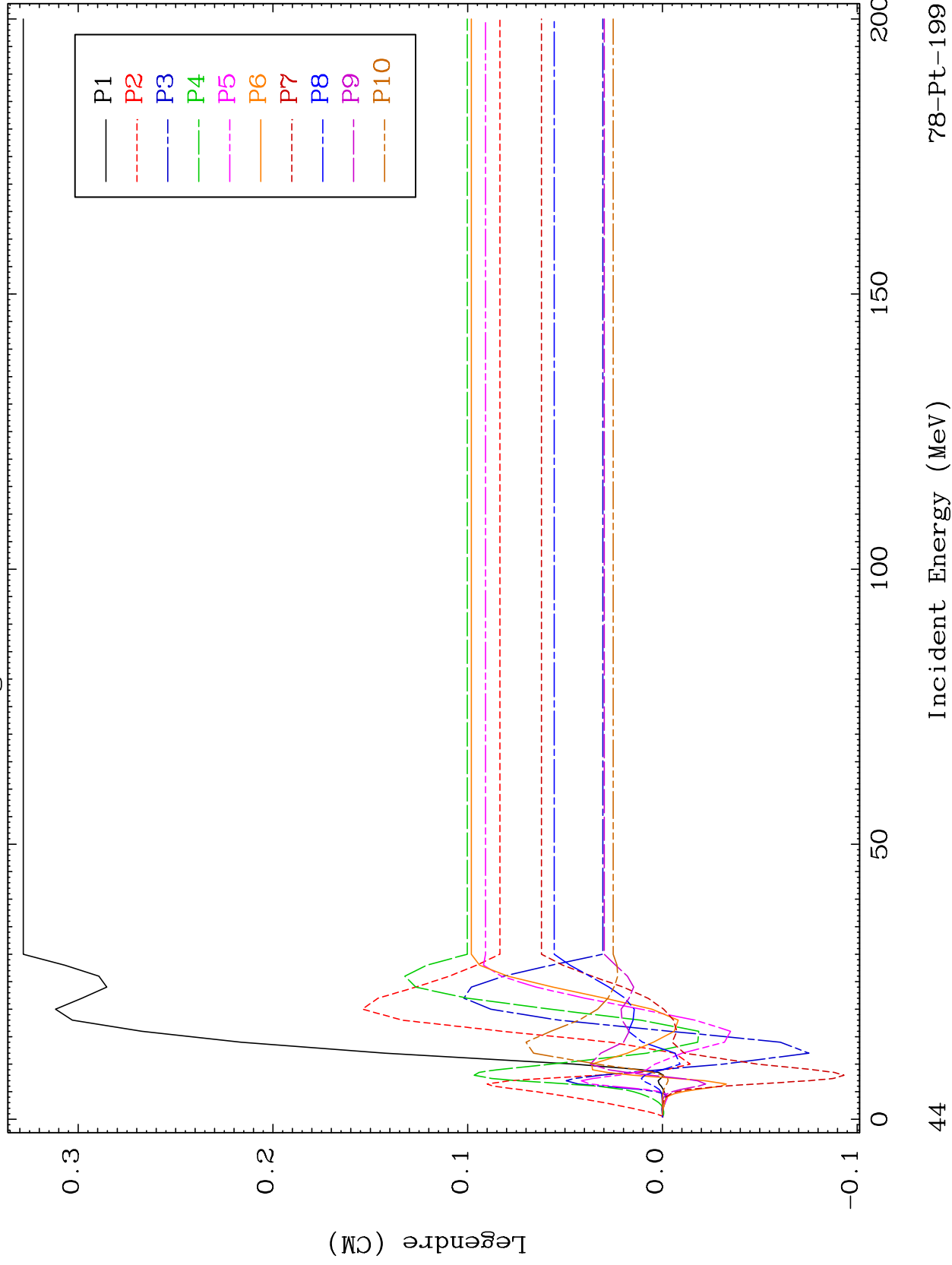
Incident Energy (MeV)

78-Pt-199

MAT 7852

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

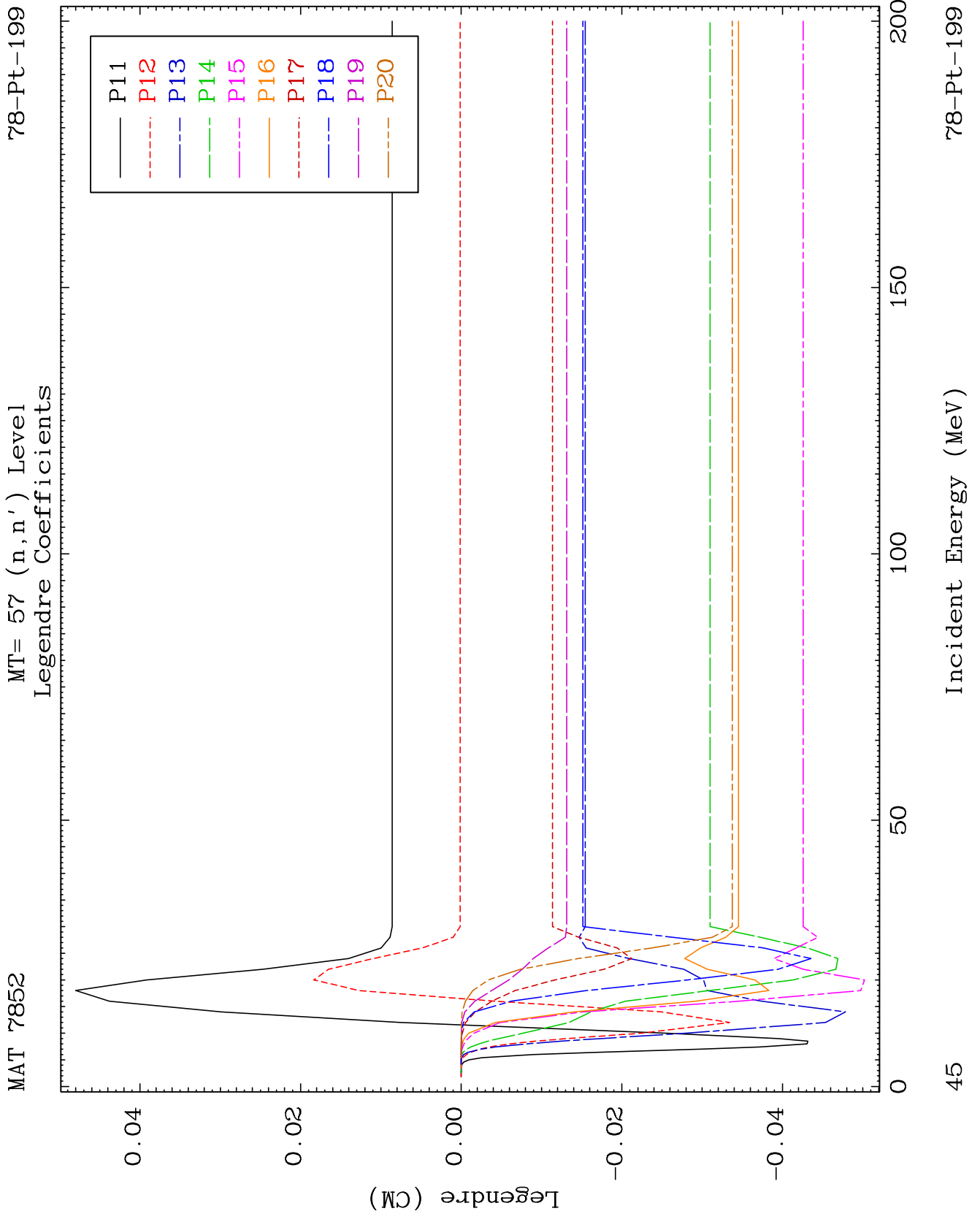
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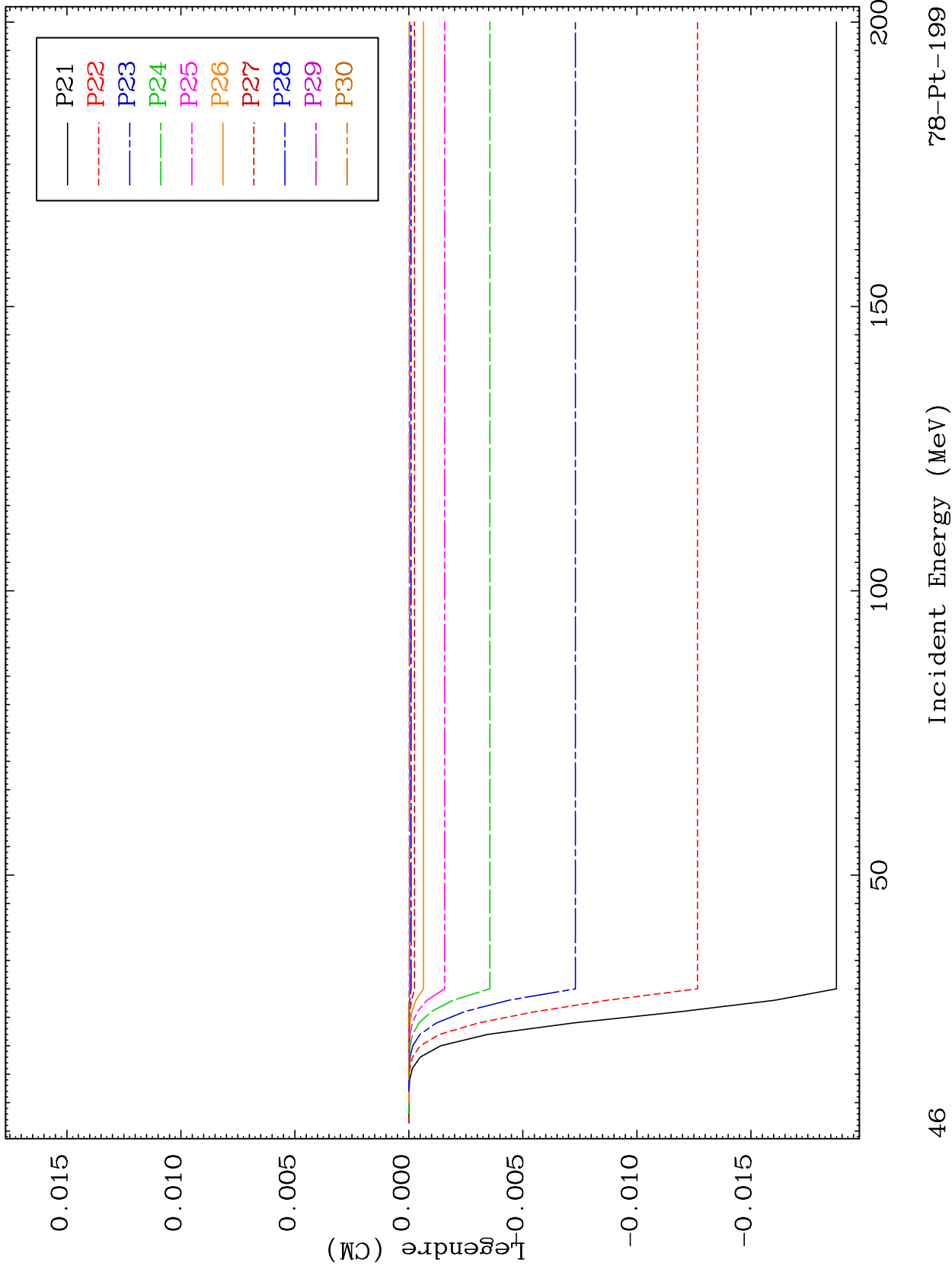


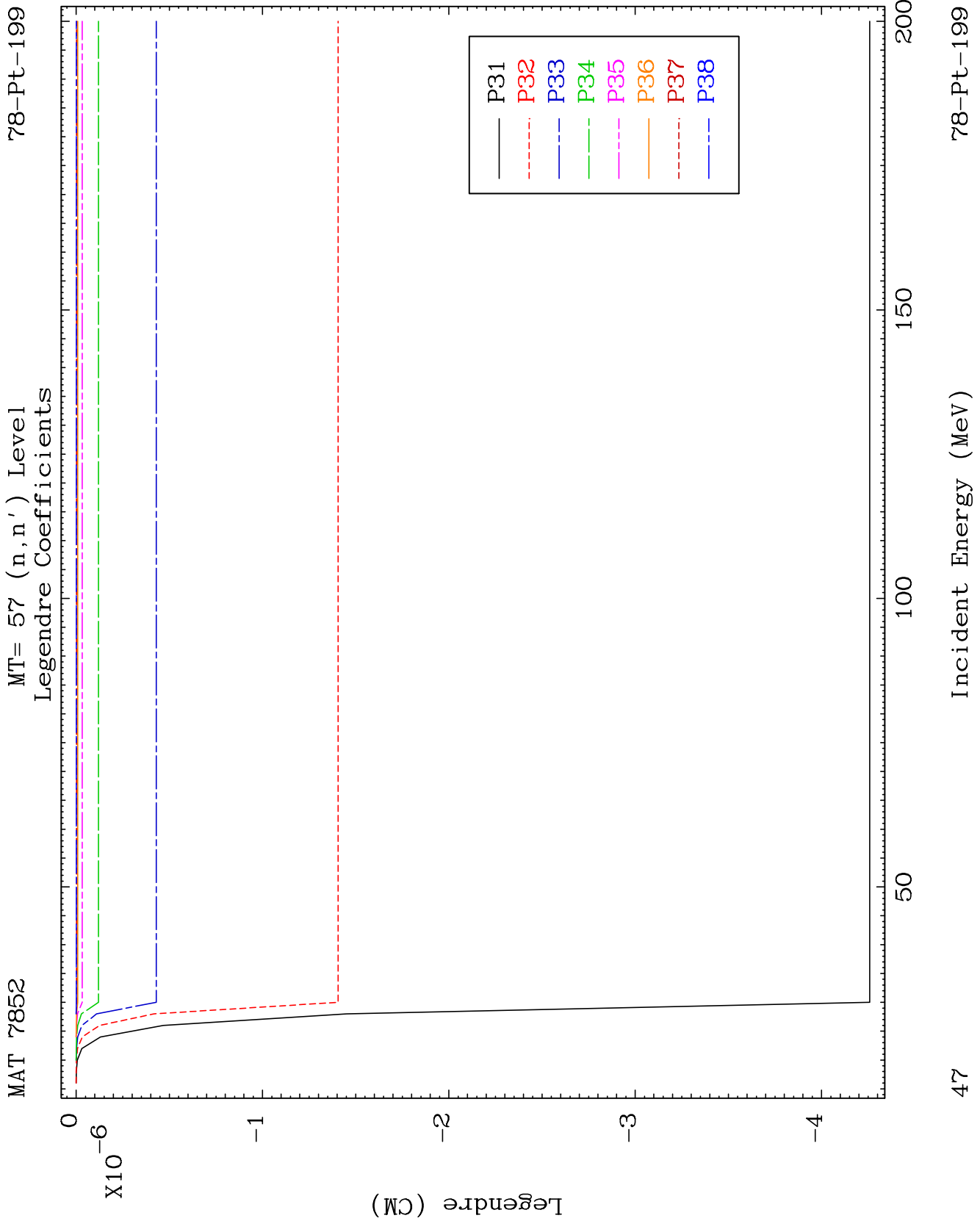
44

Incident Energy (MeV)

78-Pt-199





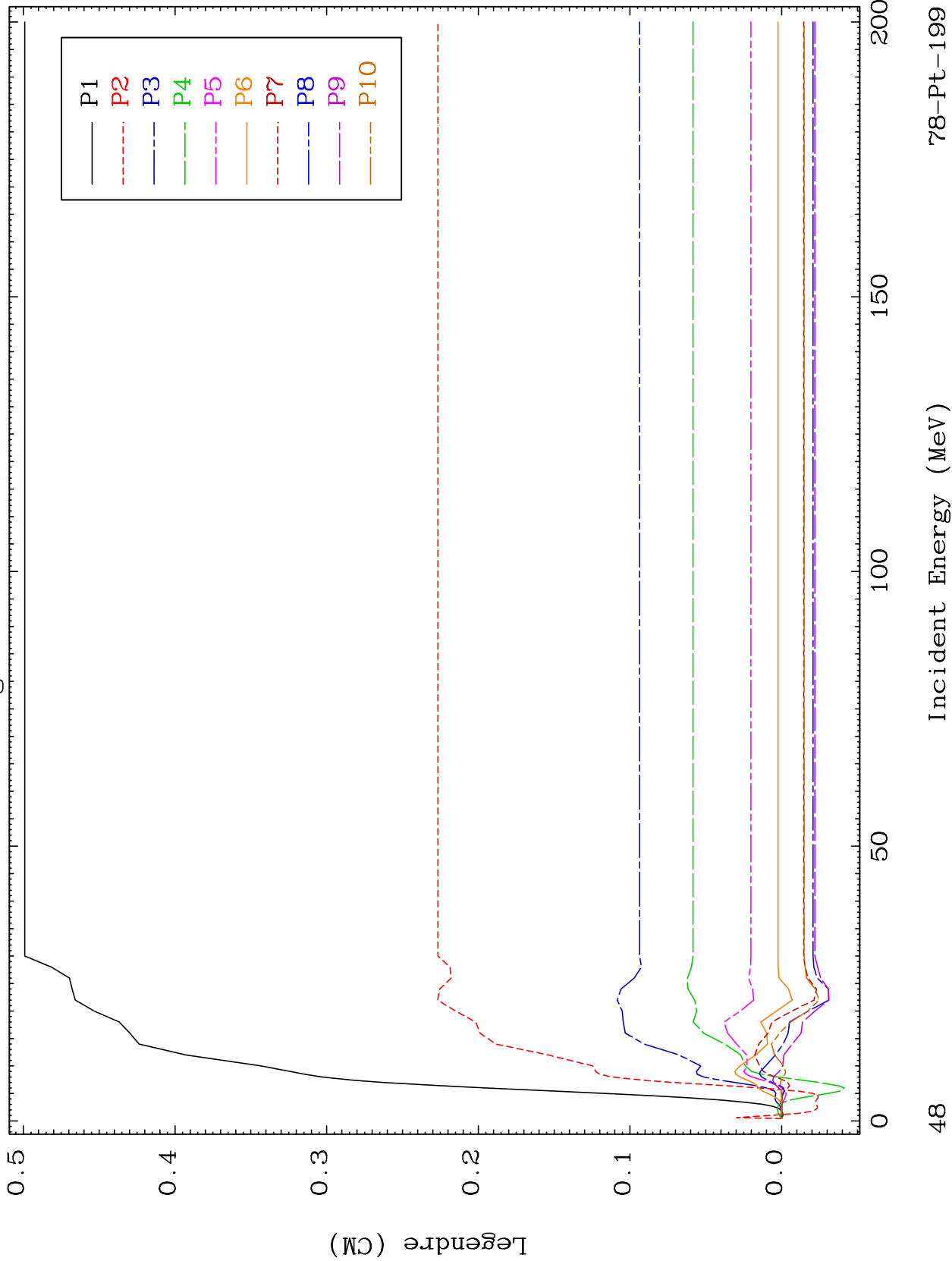




MAT 7852

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

78-Pt-199



78-Pt-199

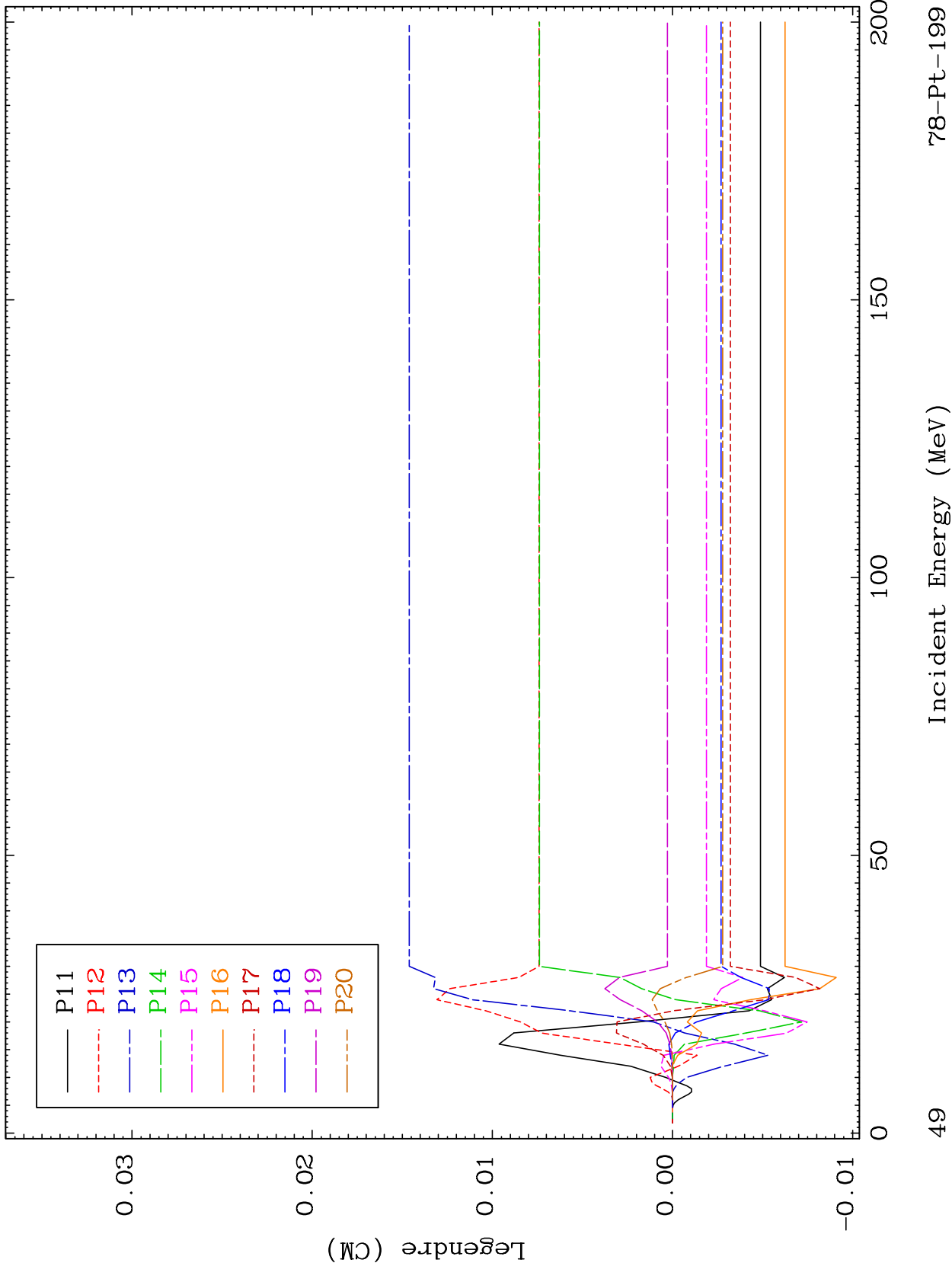
Incident Energy (MeV)

48

MAT 7852

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

78-Pt-199



49

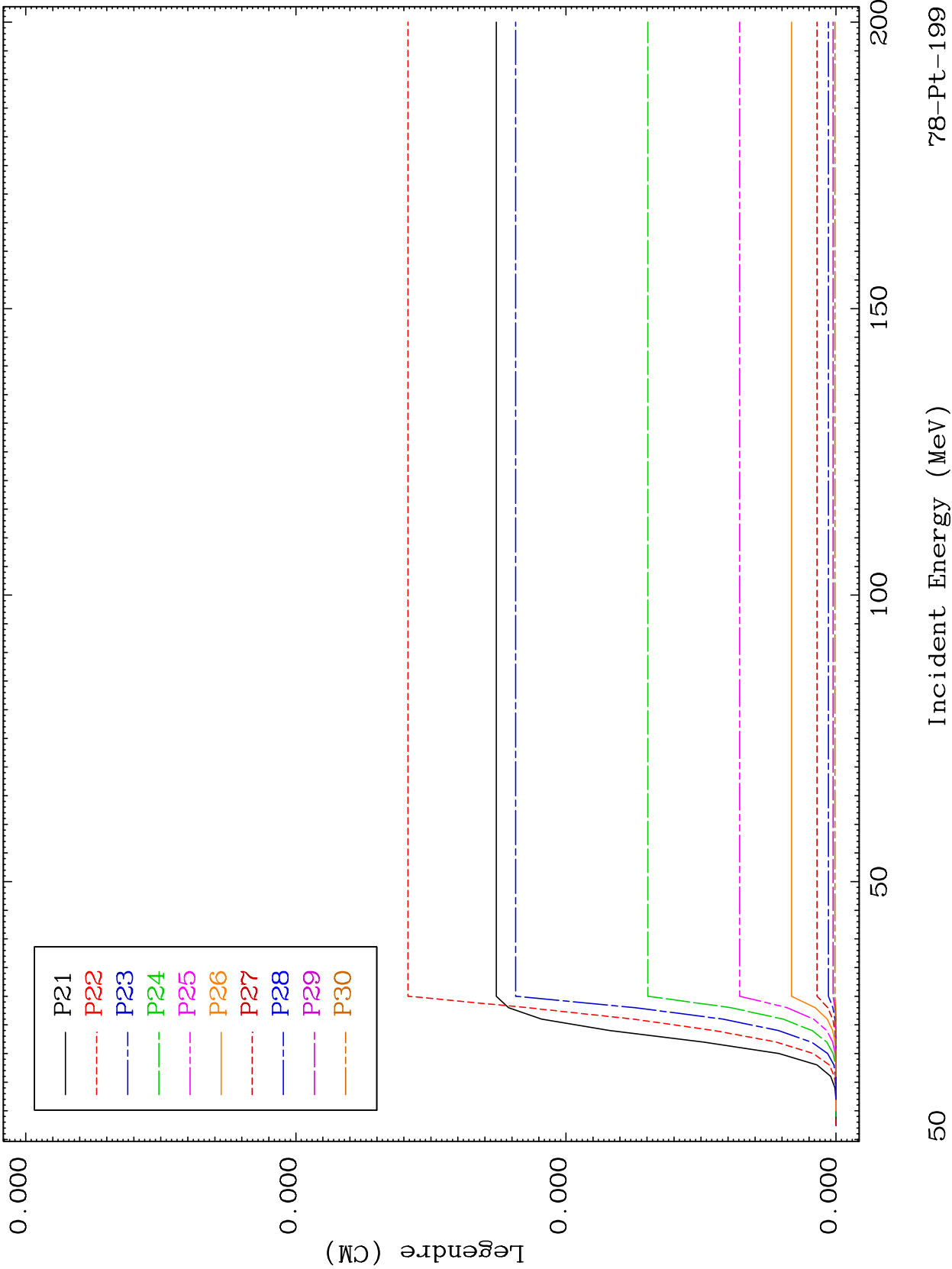
Incident Energy (MeV)

78-Pt-199

MAT 7852

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

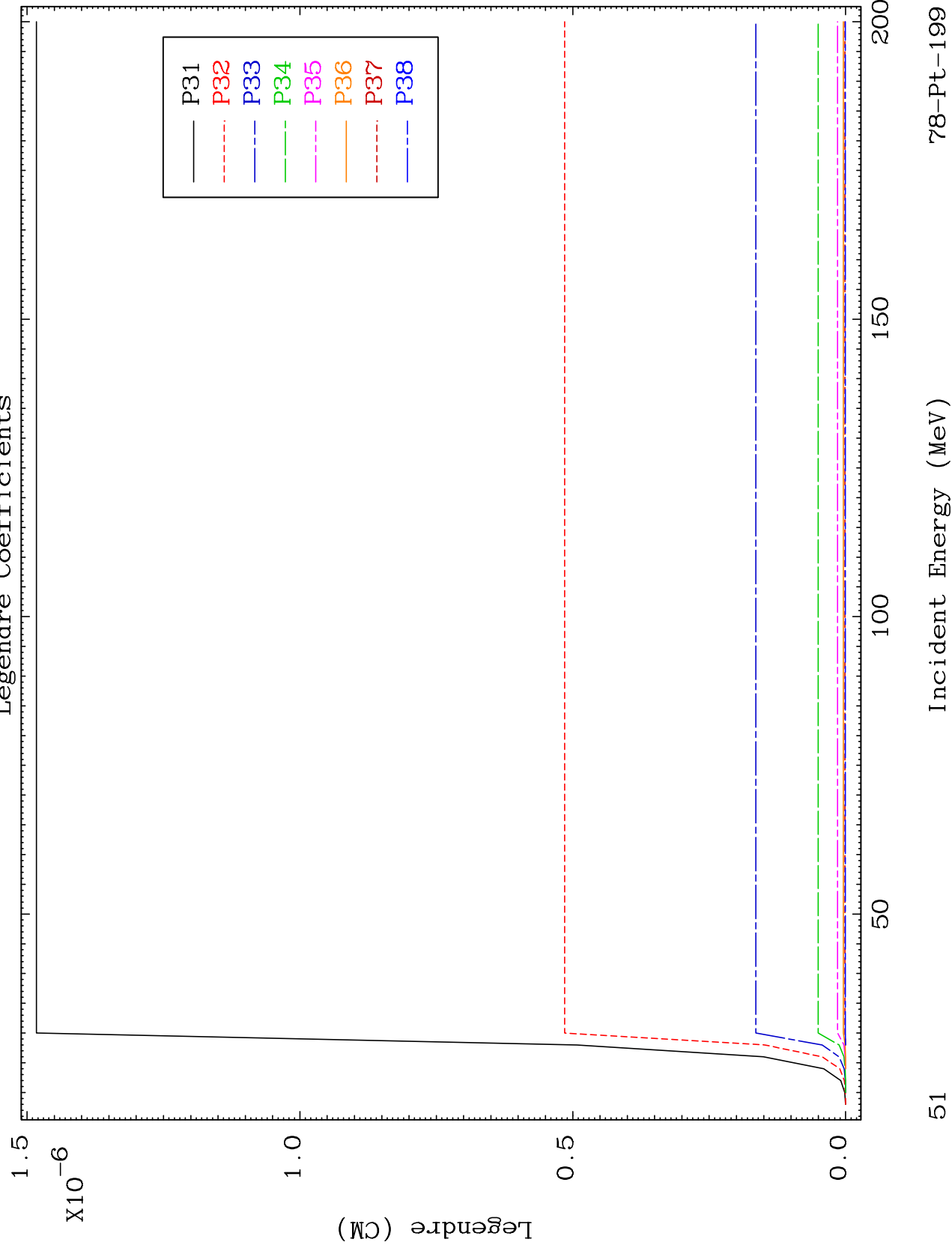
78-Pt-199



78-Pt-199

Incident Energy (MeV)

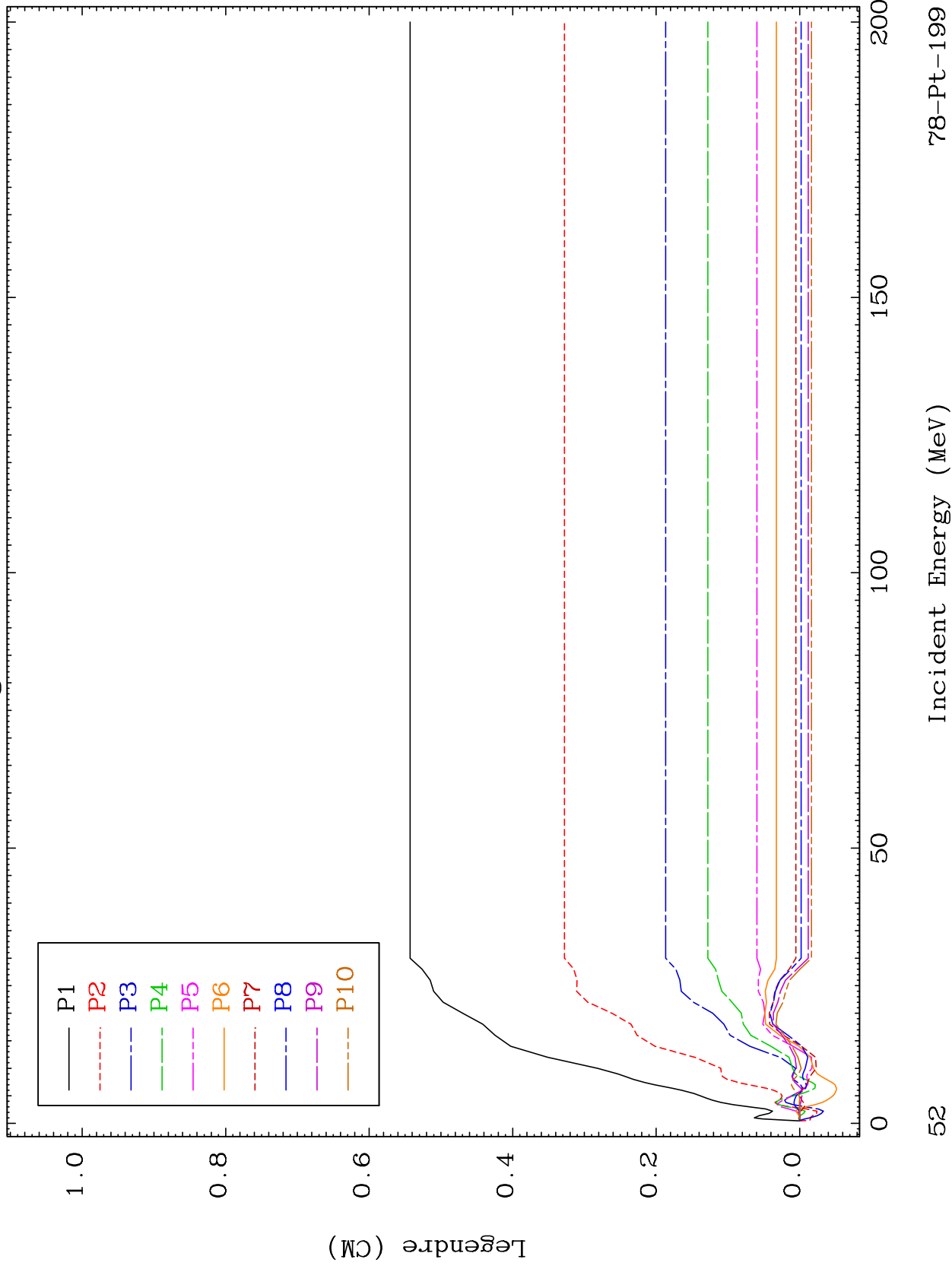
50



MAT 7852

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

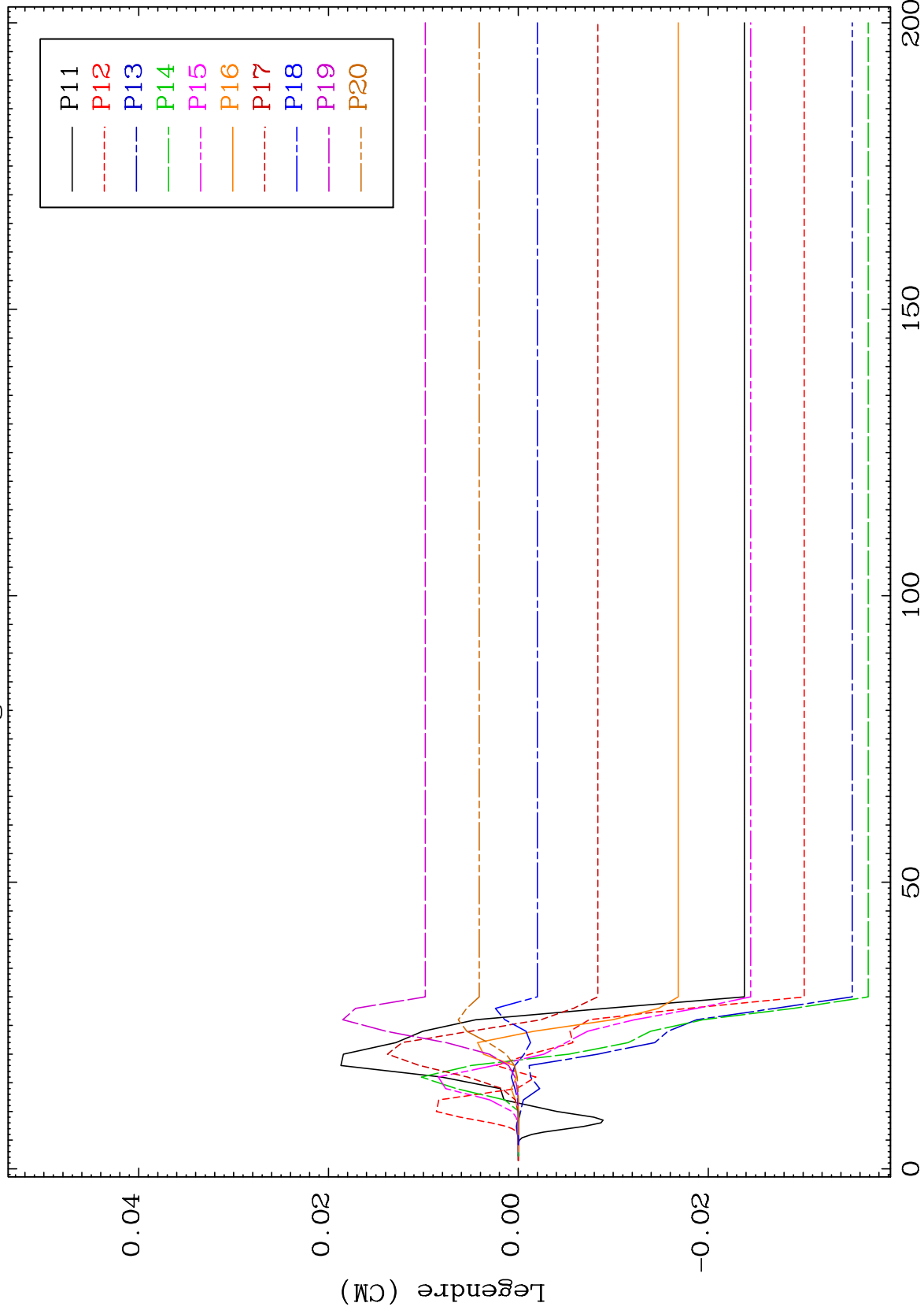
78-Pt-199



MAT 7852

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

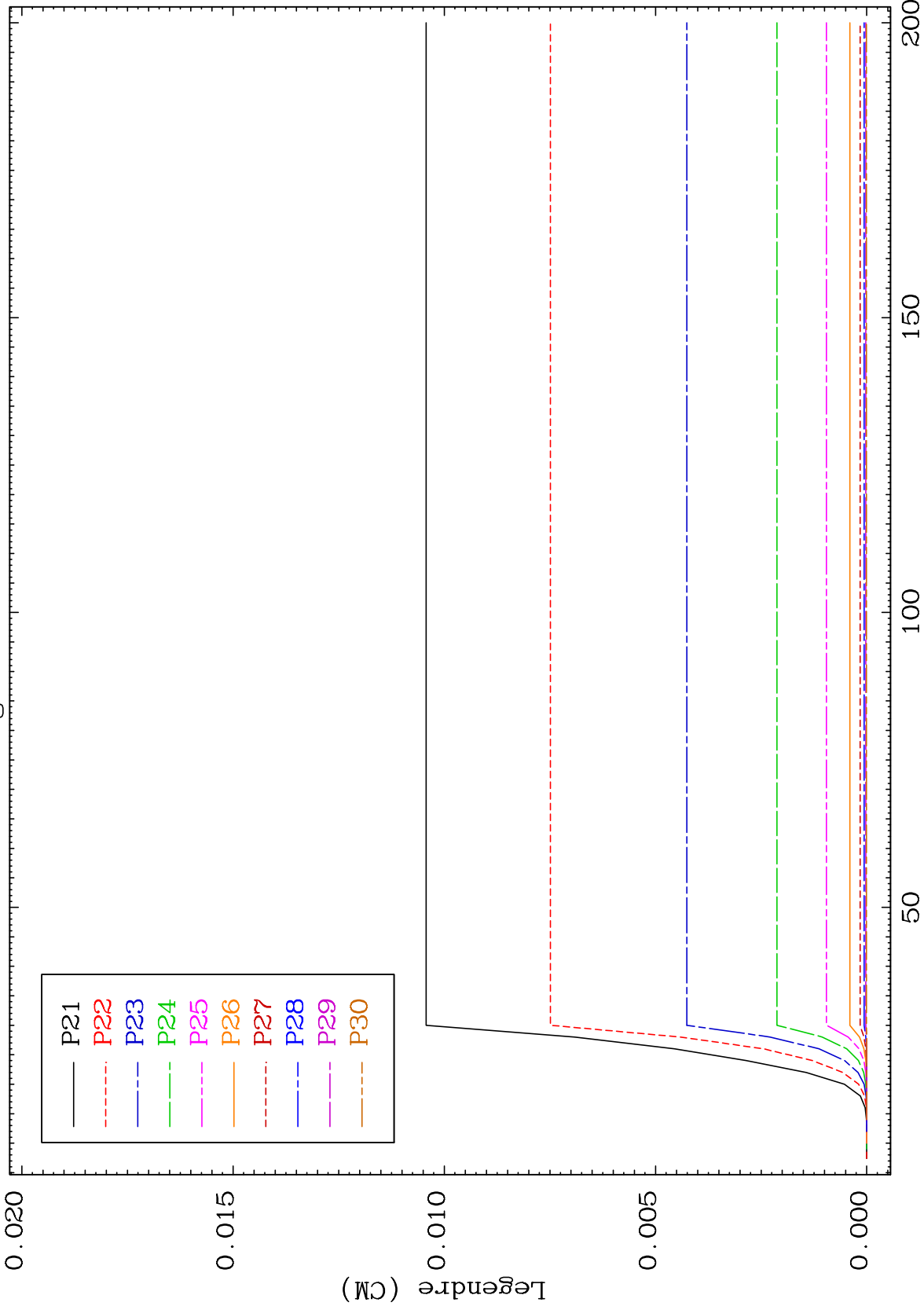
78-Pt-199



53

Incident Energy (MeV)

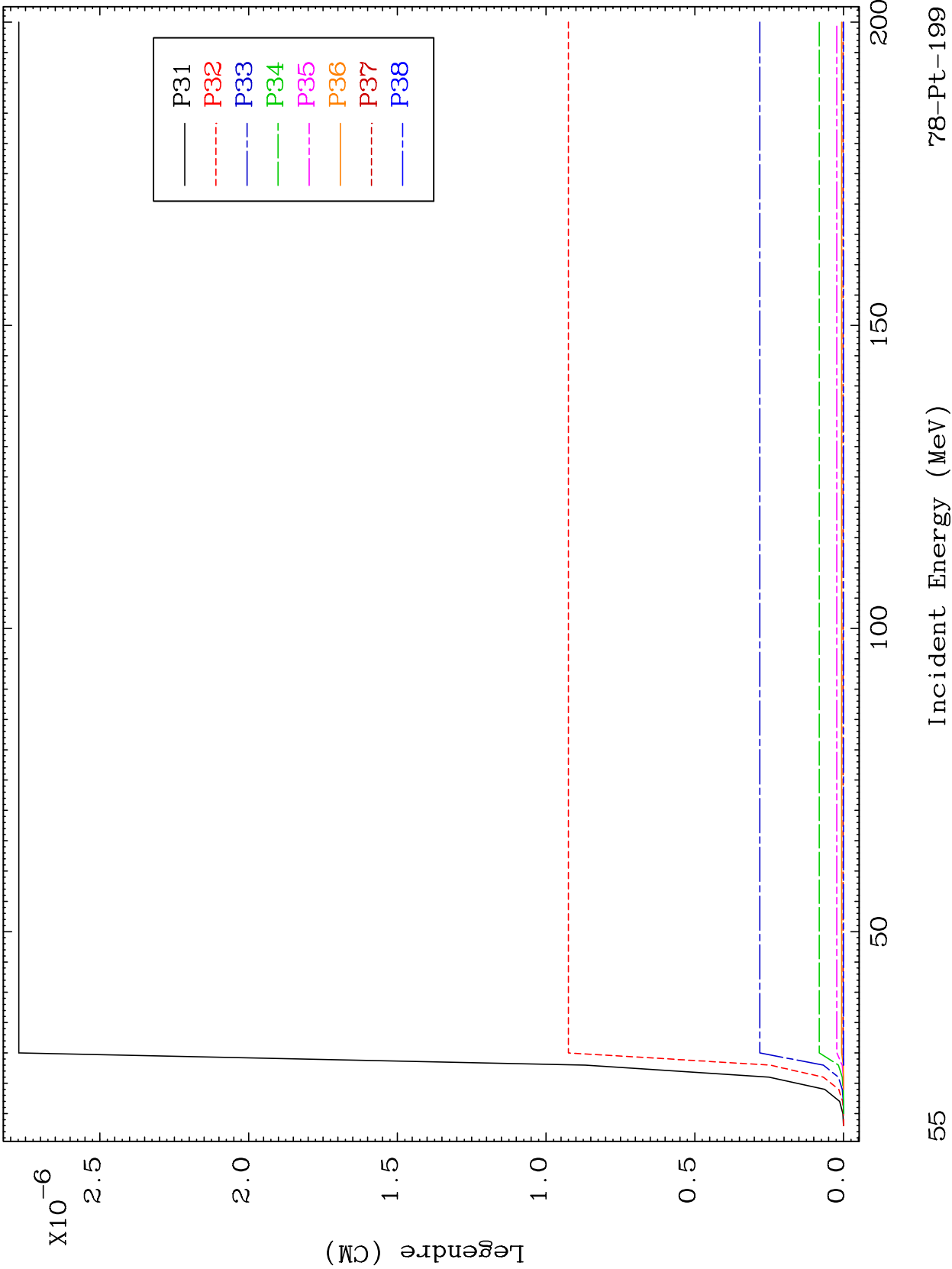
78-Pt-199



MAT 7852

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

78-Pt-199



55

Incident Energy (MeV)

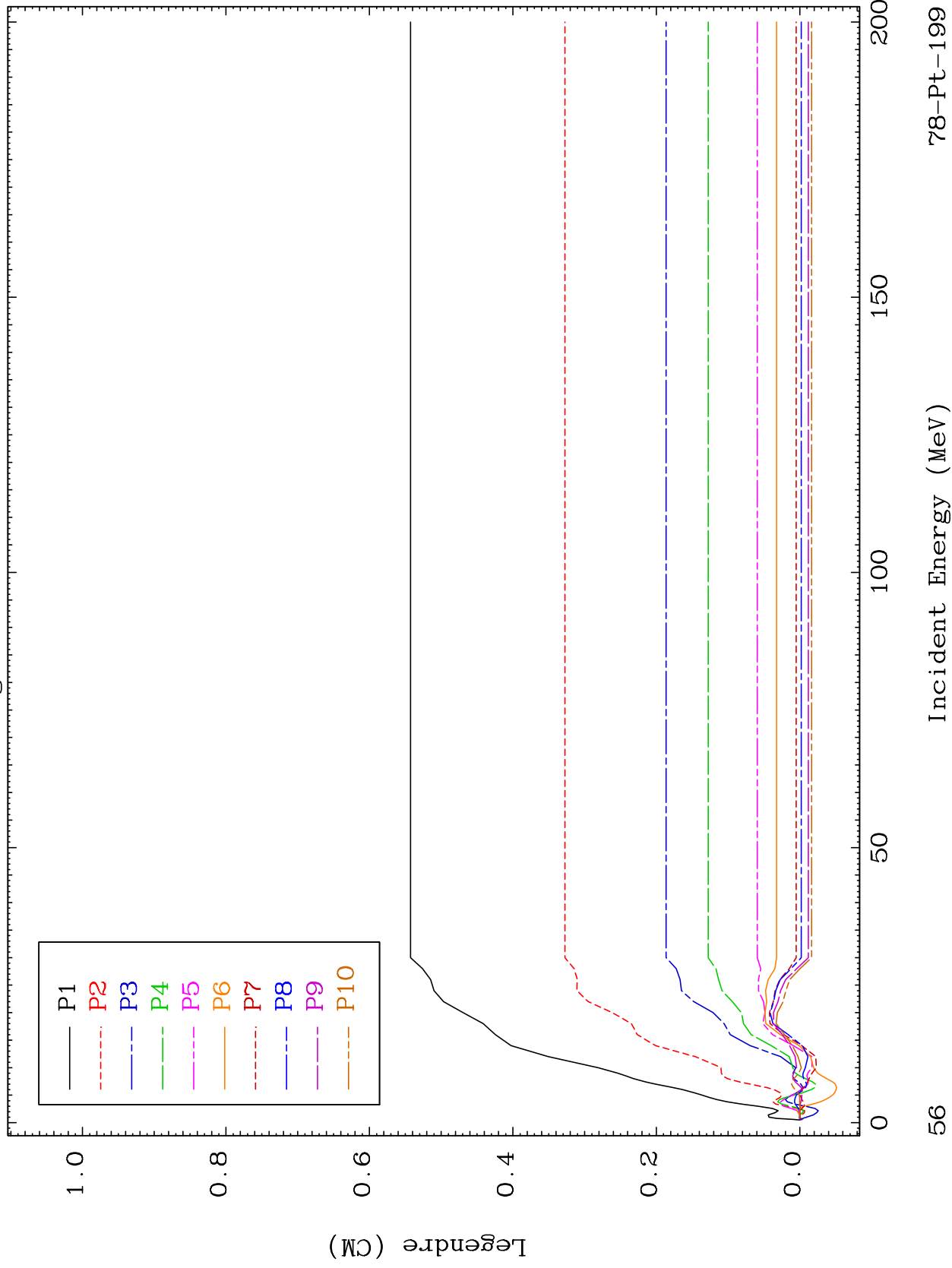
78-Pt-199



MAT 7852

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

78-Pt-199



78-Pt-199

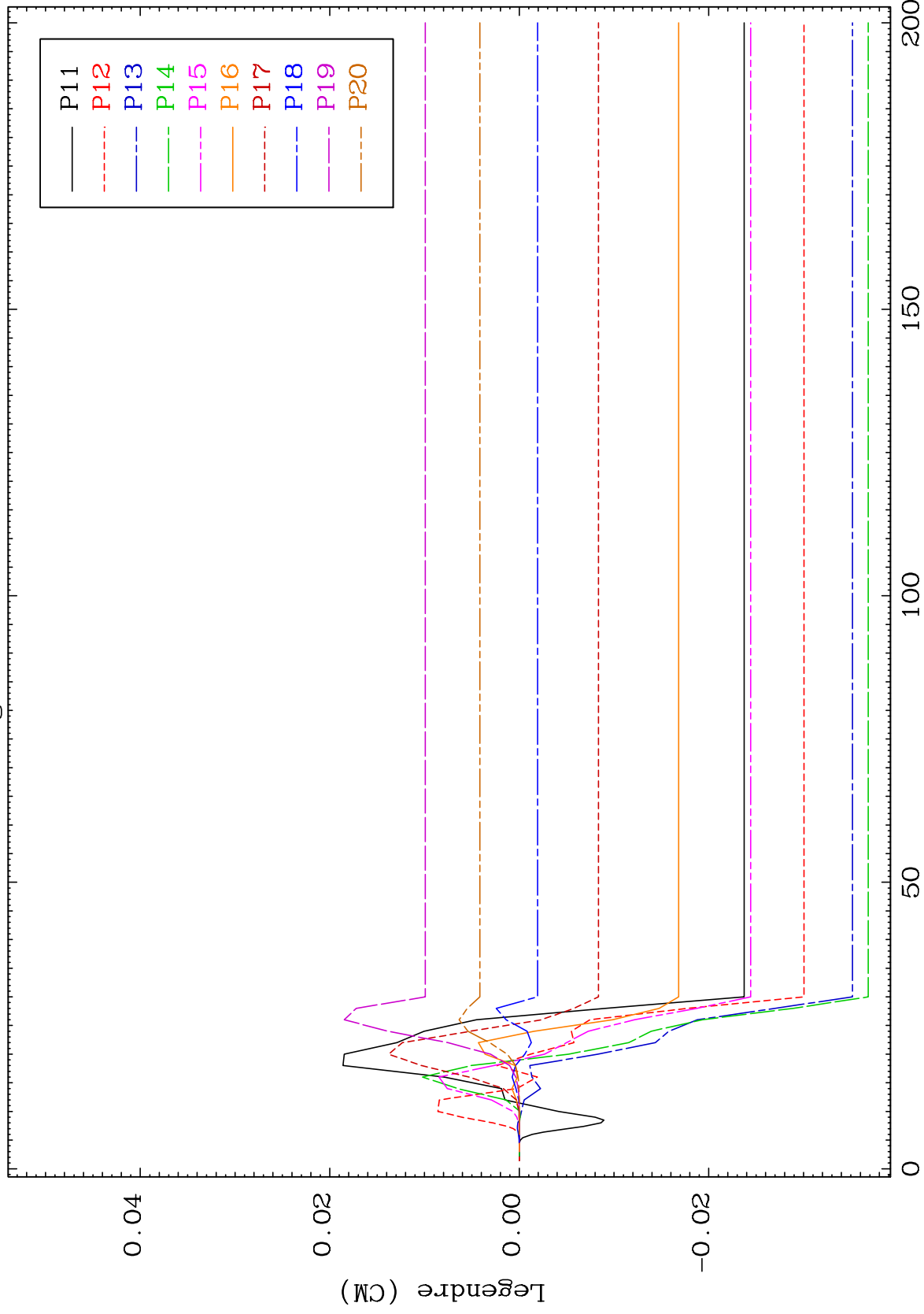
Incident Energy (MeV)

56

MAT 7852

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

78-Pt-199



57

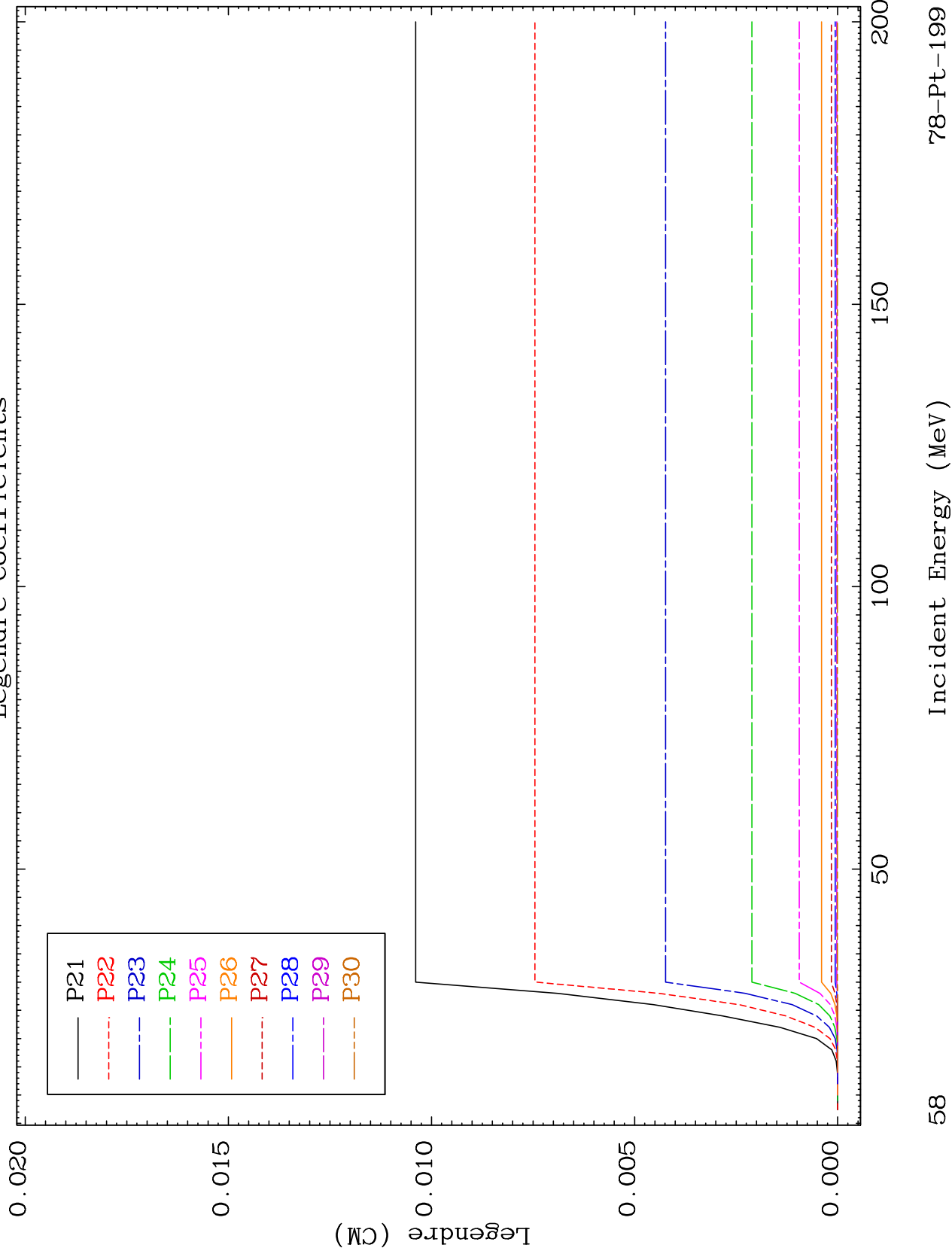
Incident Energy (MeV)

78-Pt-199

MAT 7852

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

78-Pt-199



58

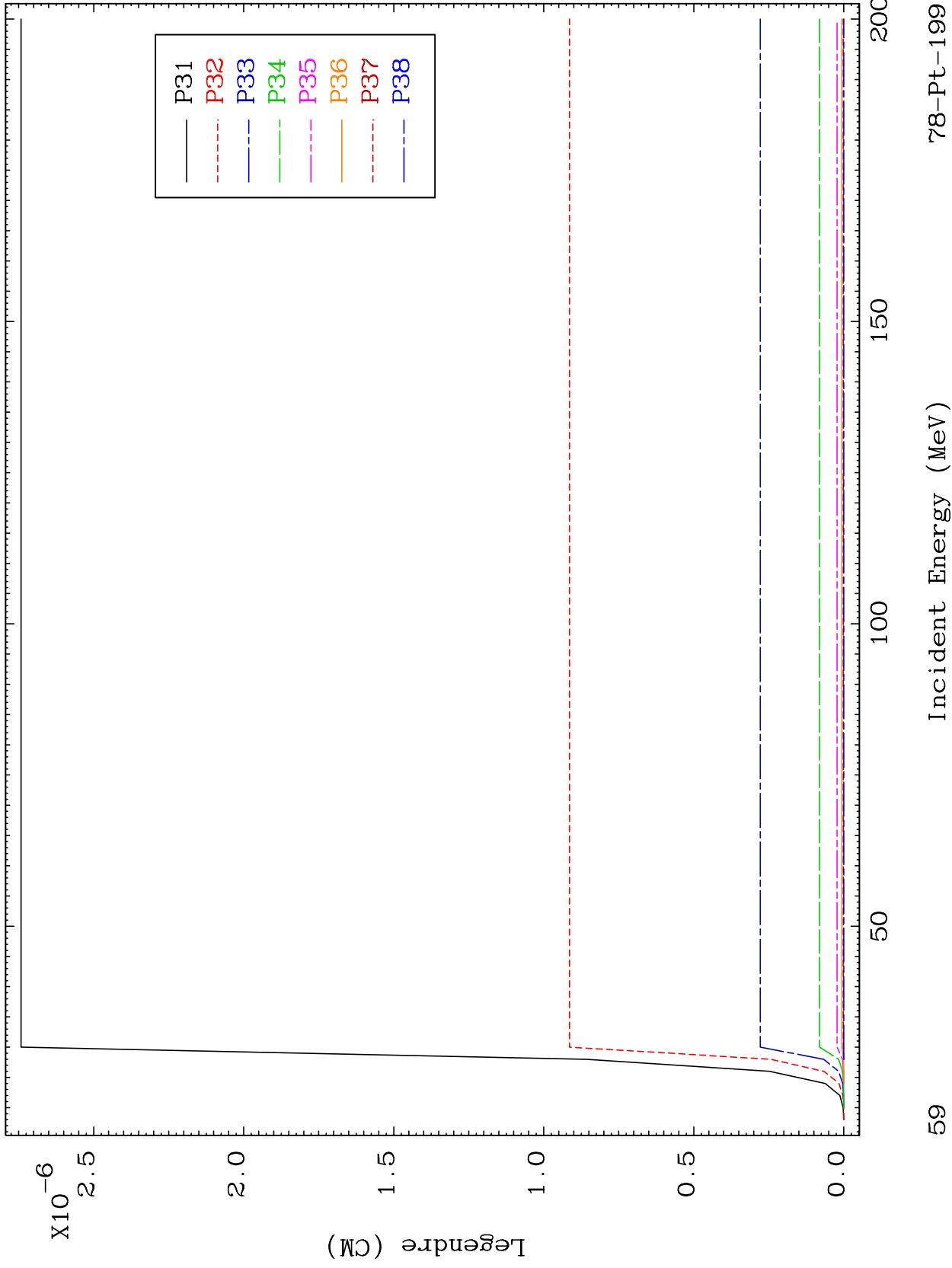
Incident Energy (MeV)

78-Pt-199

MAT 7852

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

78-Pt-199



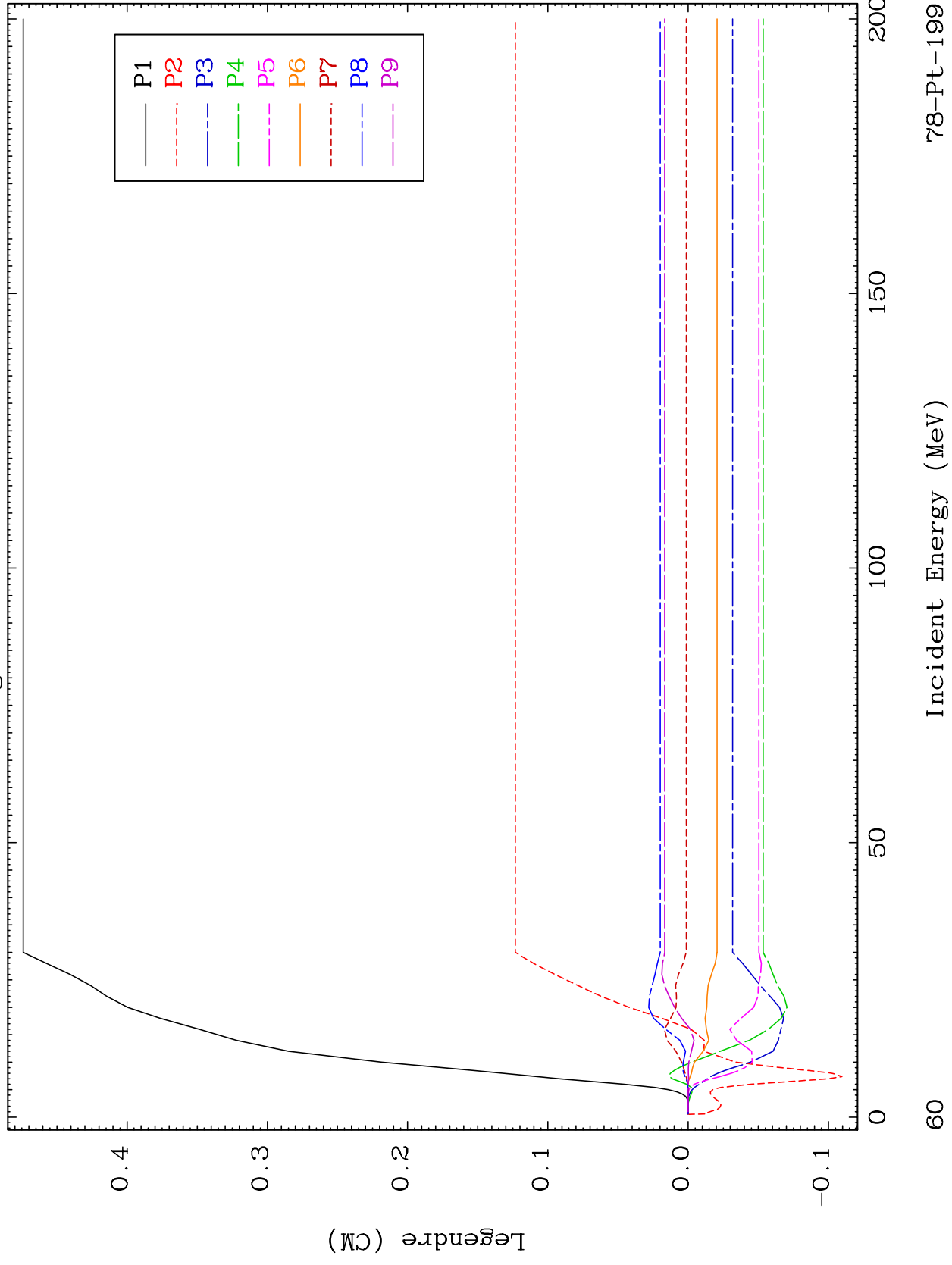
59

78-Pt-199

MAT 7852

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

78-Pt-199

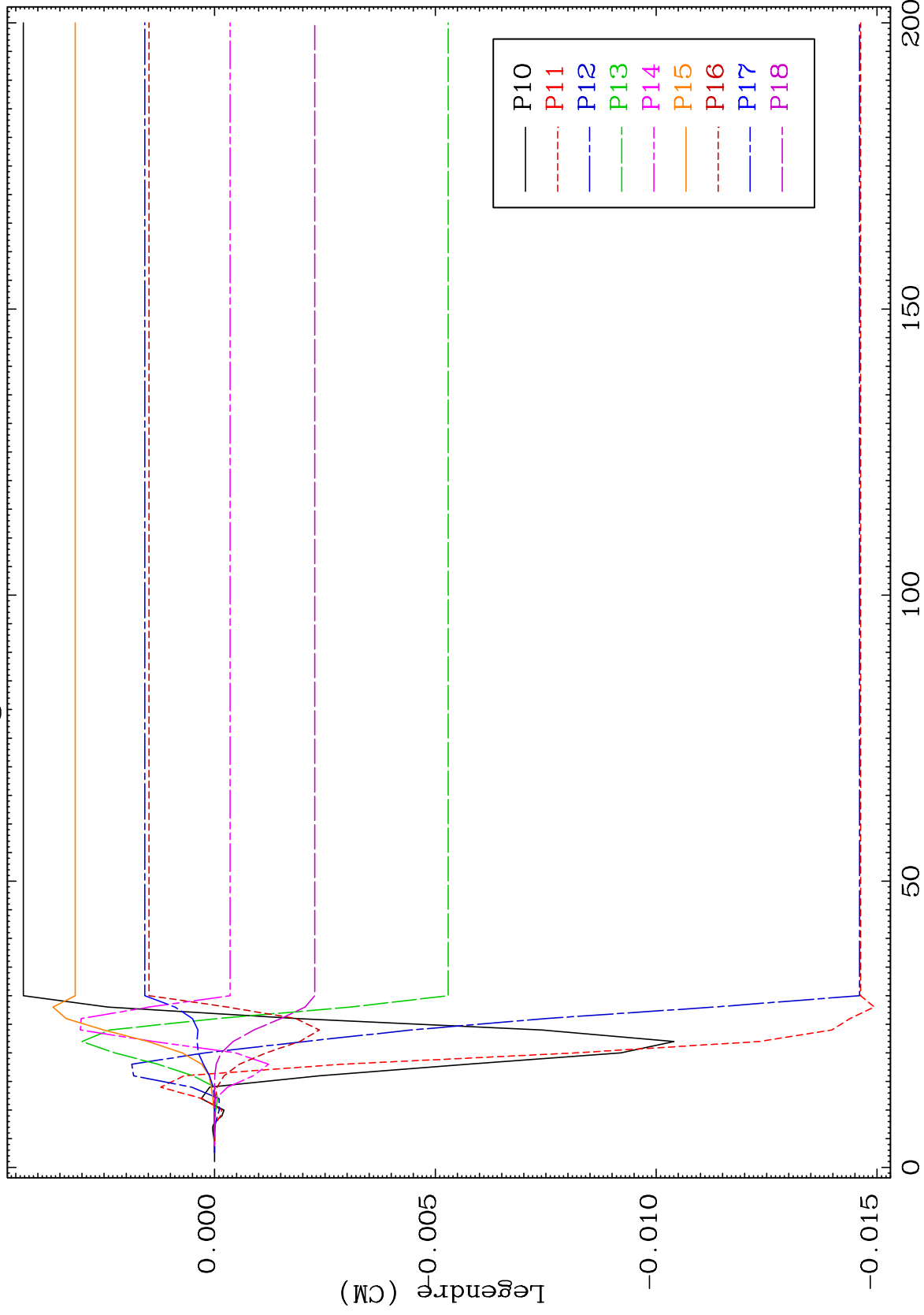


78-Pt-199

MAT 7852

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

78-Pt-199



61

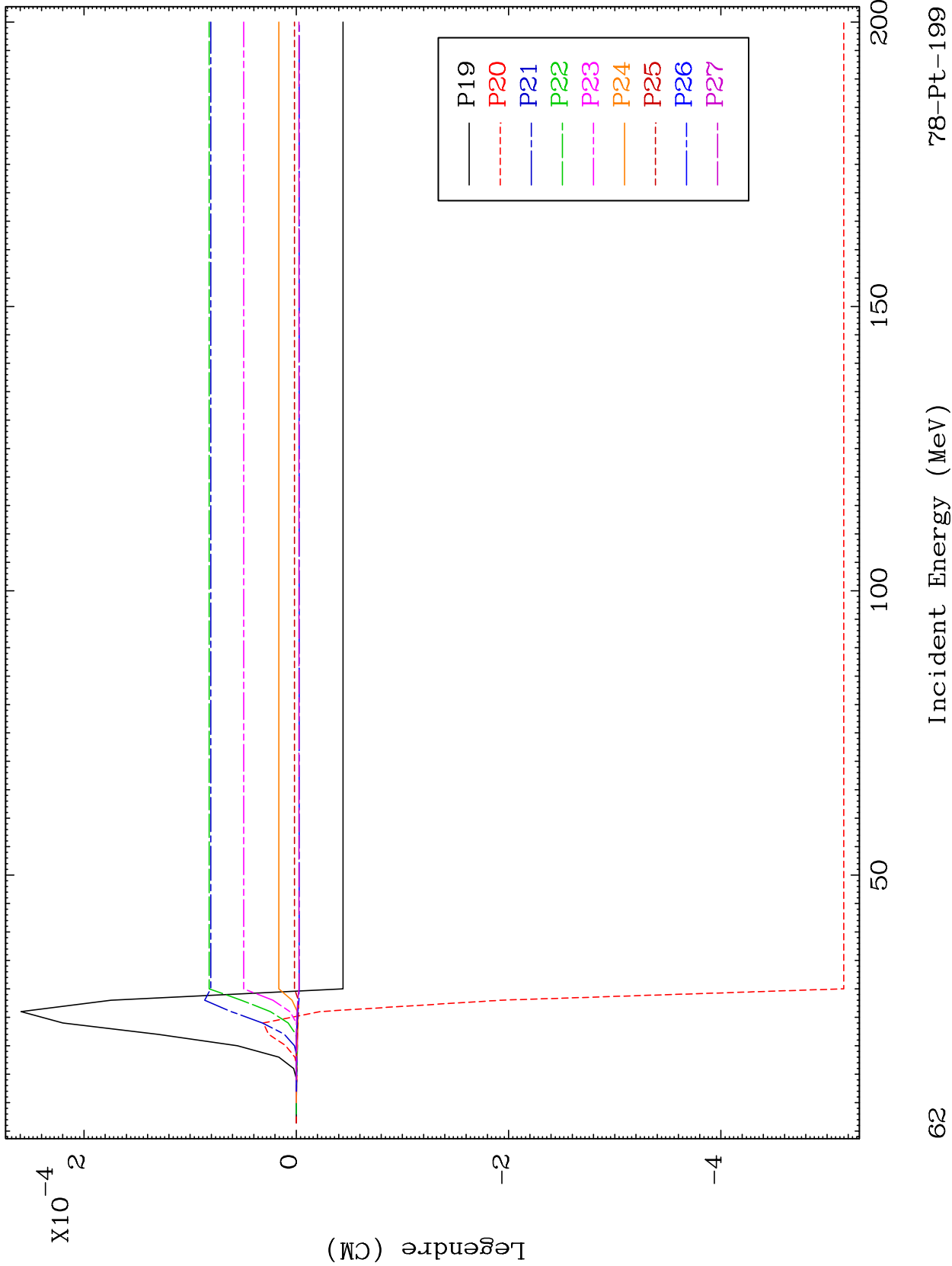
Incident Energy (MeV)

78-Pt-199

MAT 7852

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

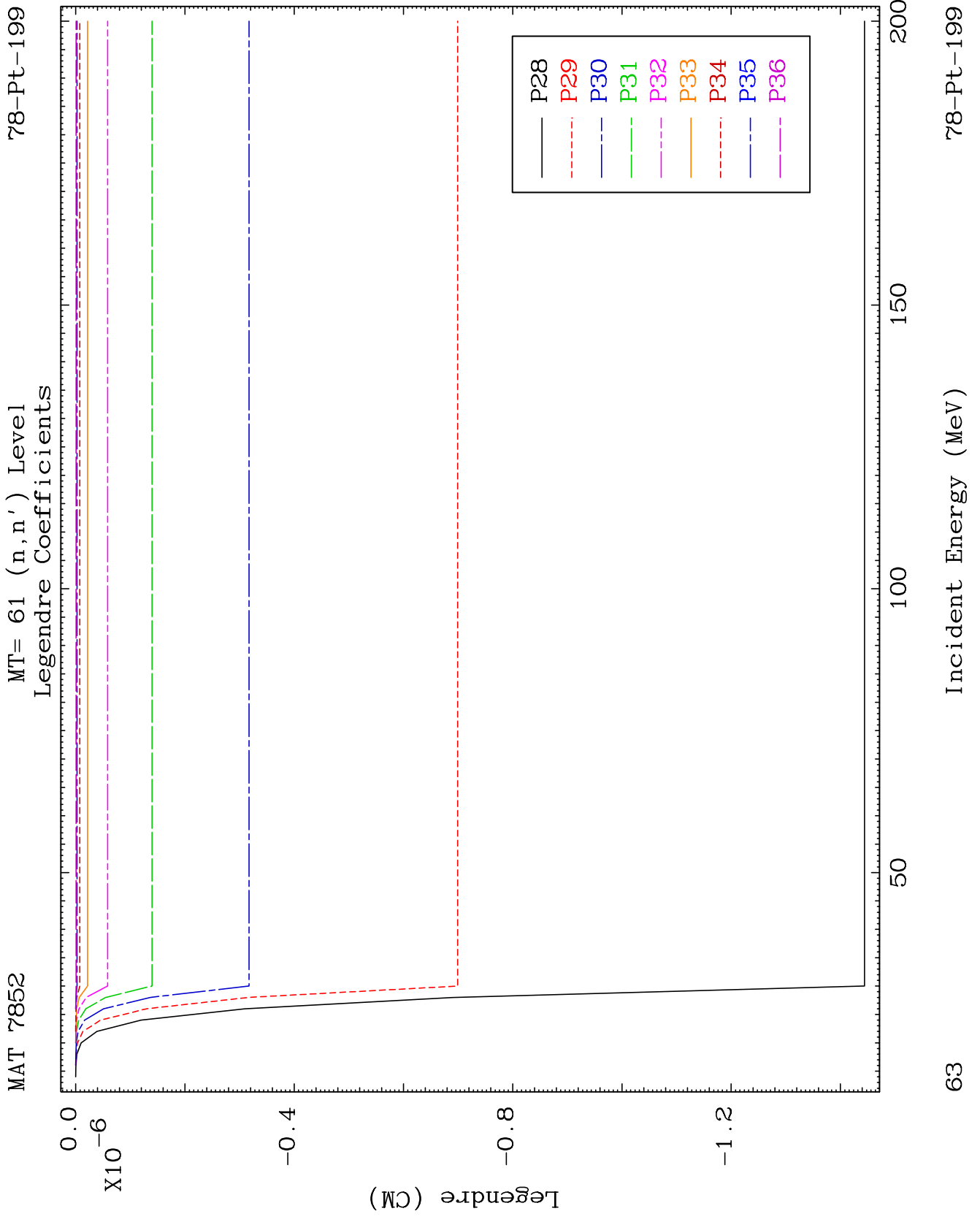
78-Pt-199



62

Incident Energy (MeV)

78-Pt-199

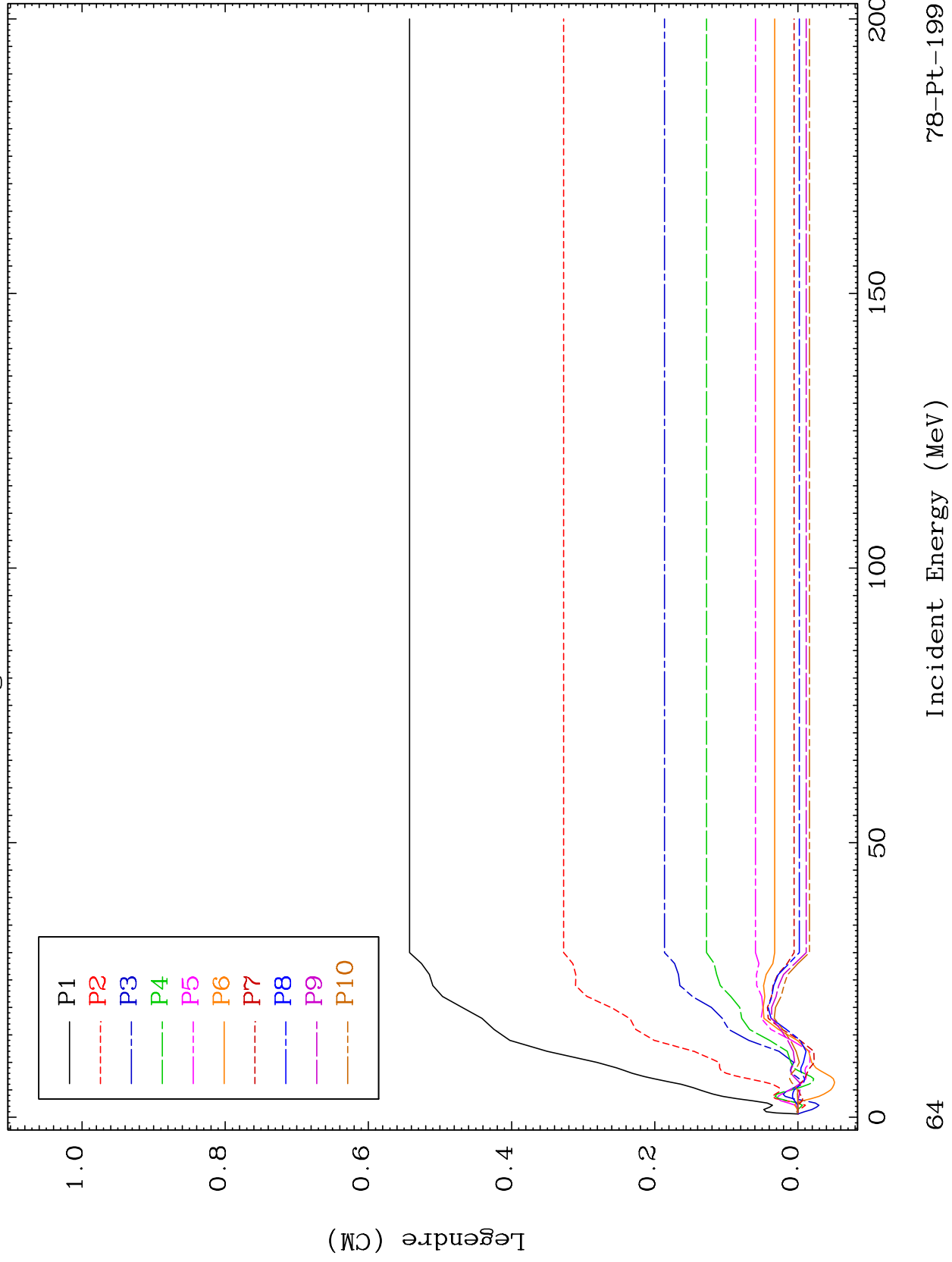




MAT 7852

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

78-Pt-199



64

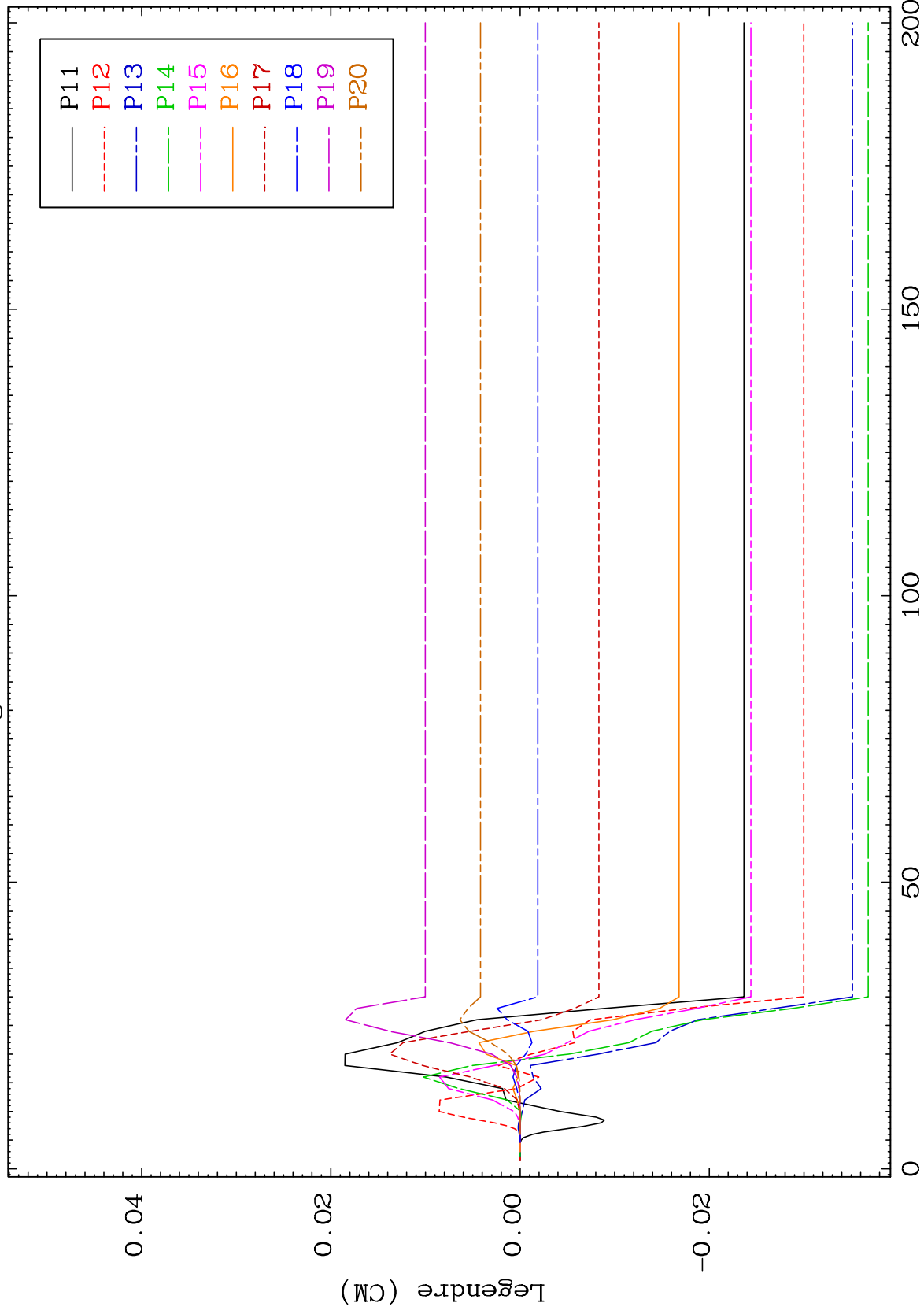
Incident Energy (MeV)

78-Pt-199

MAT 7852

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

78-Pt-199



65

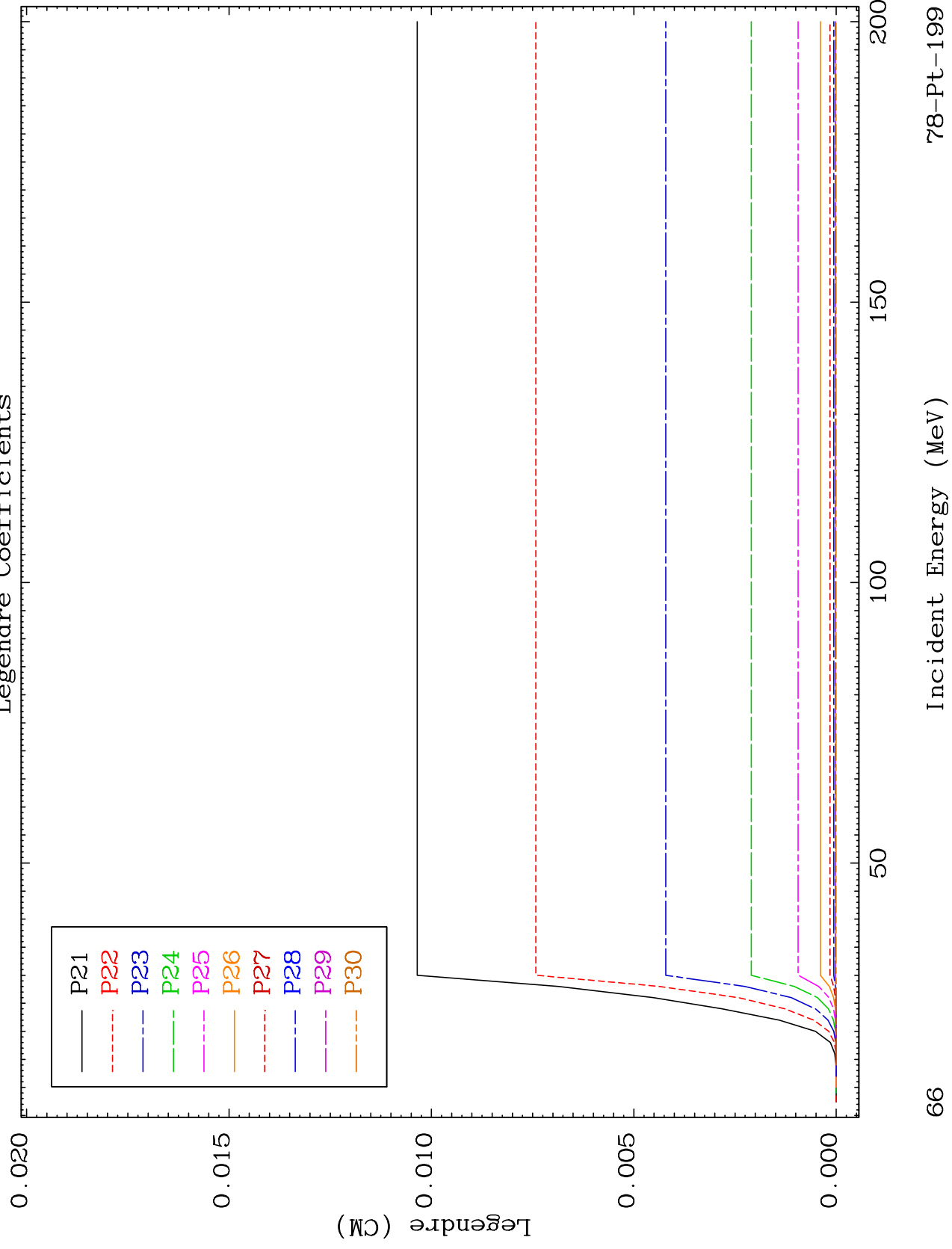
Incident Energy (MeV)

78-Pt-199

MAT 7852

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

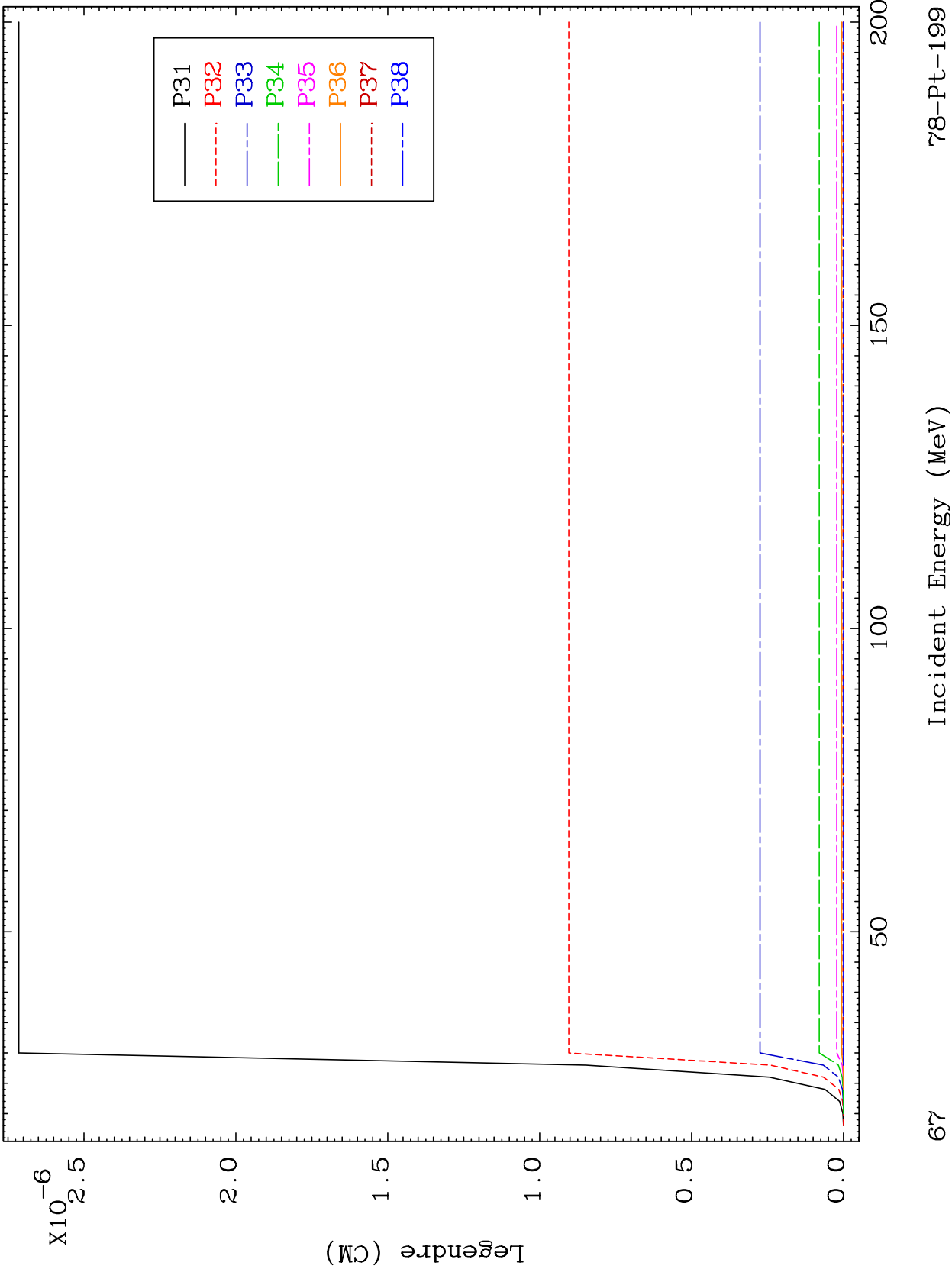
78-Pt-199



MAT 7852

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

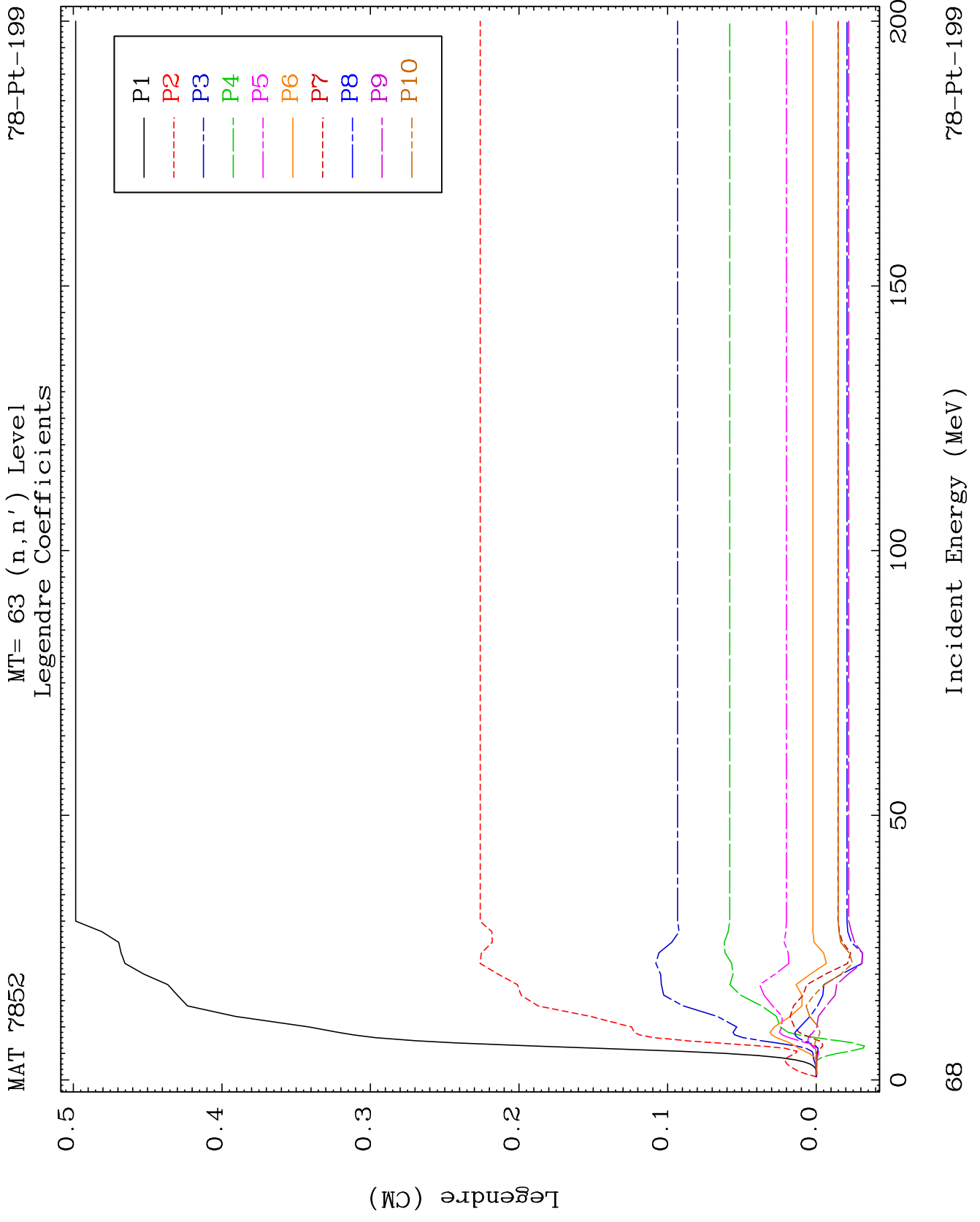
78-Pt-199



67

Incident Energy (MeV)

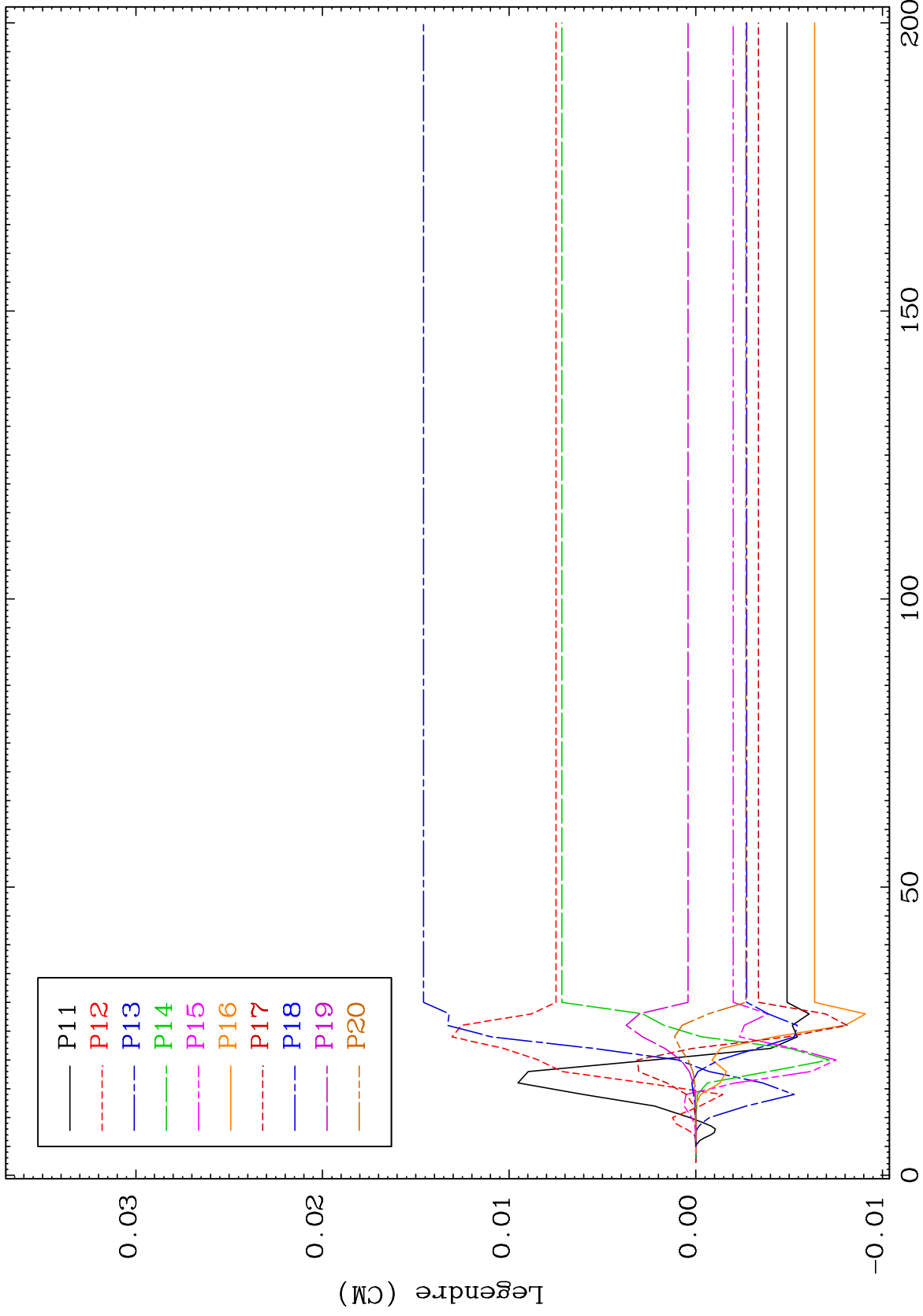
78-Pt-199



MAT 7852

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

78-Pt-199



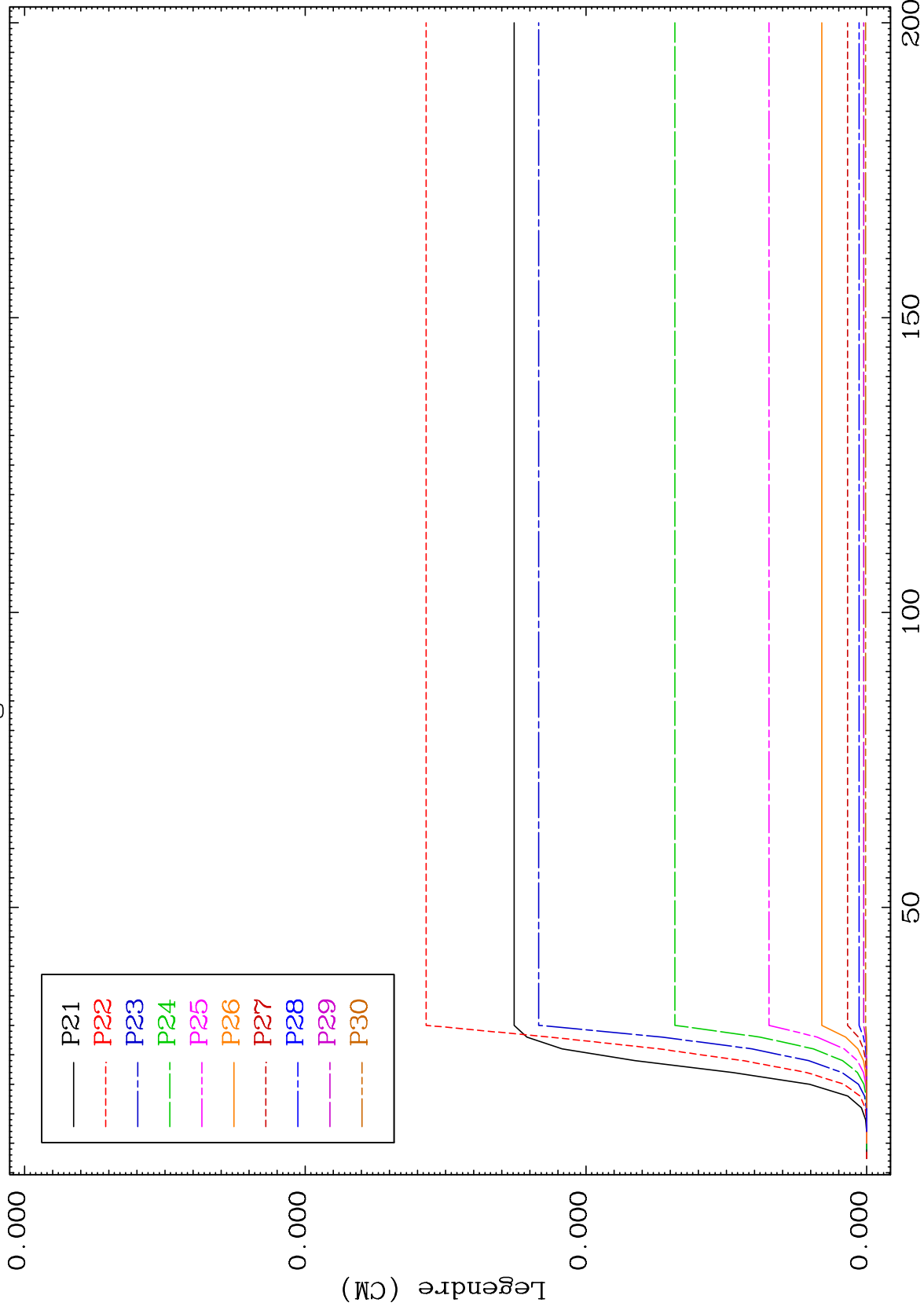
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78-Pt-199

MAT 7852

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

78-Pt-199



70

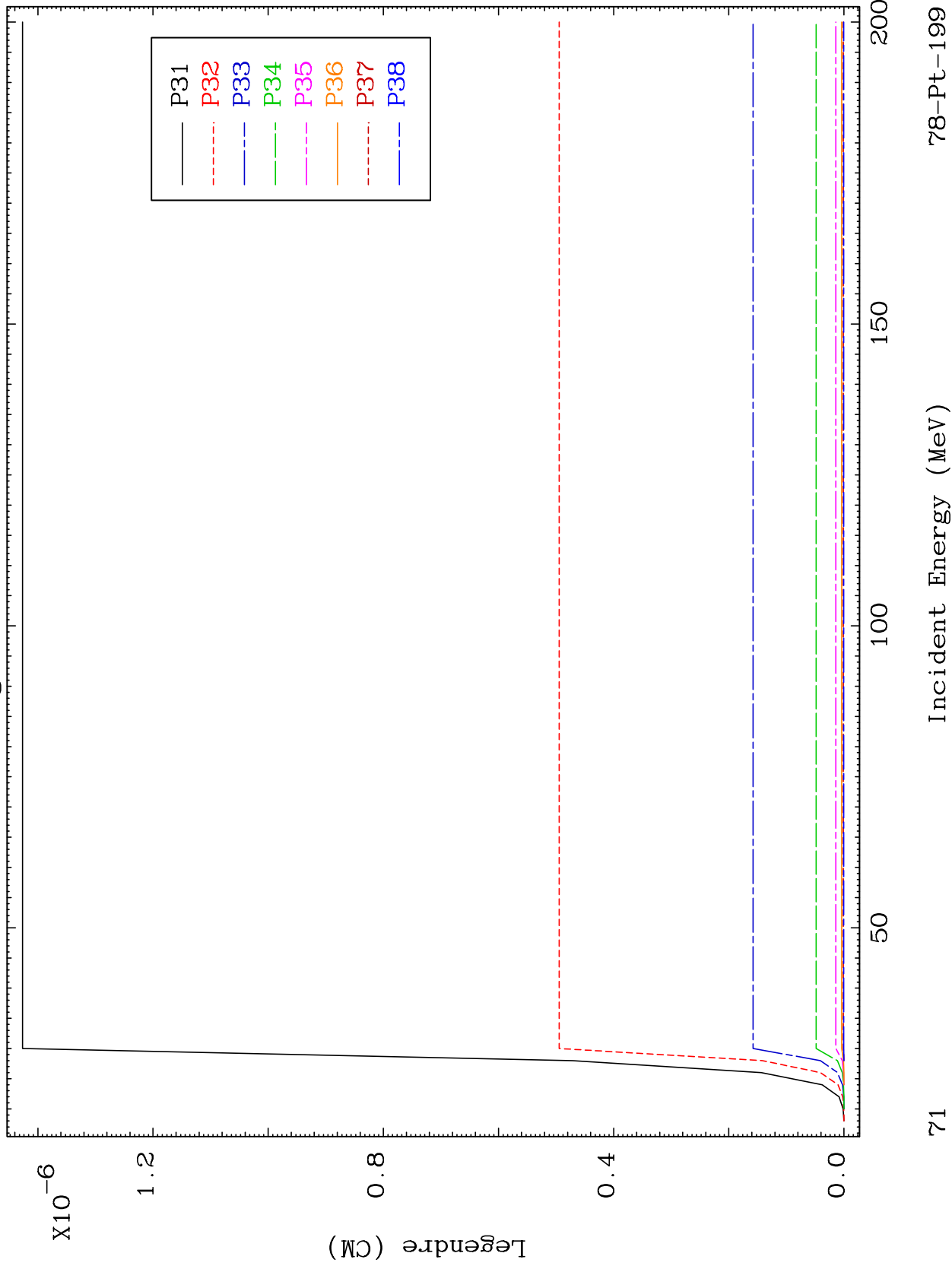
Incident Energy (MeV)

78-Pt-199

MAT 7852

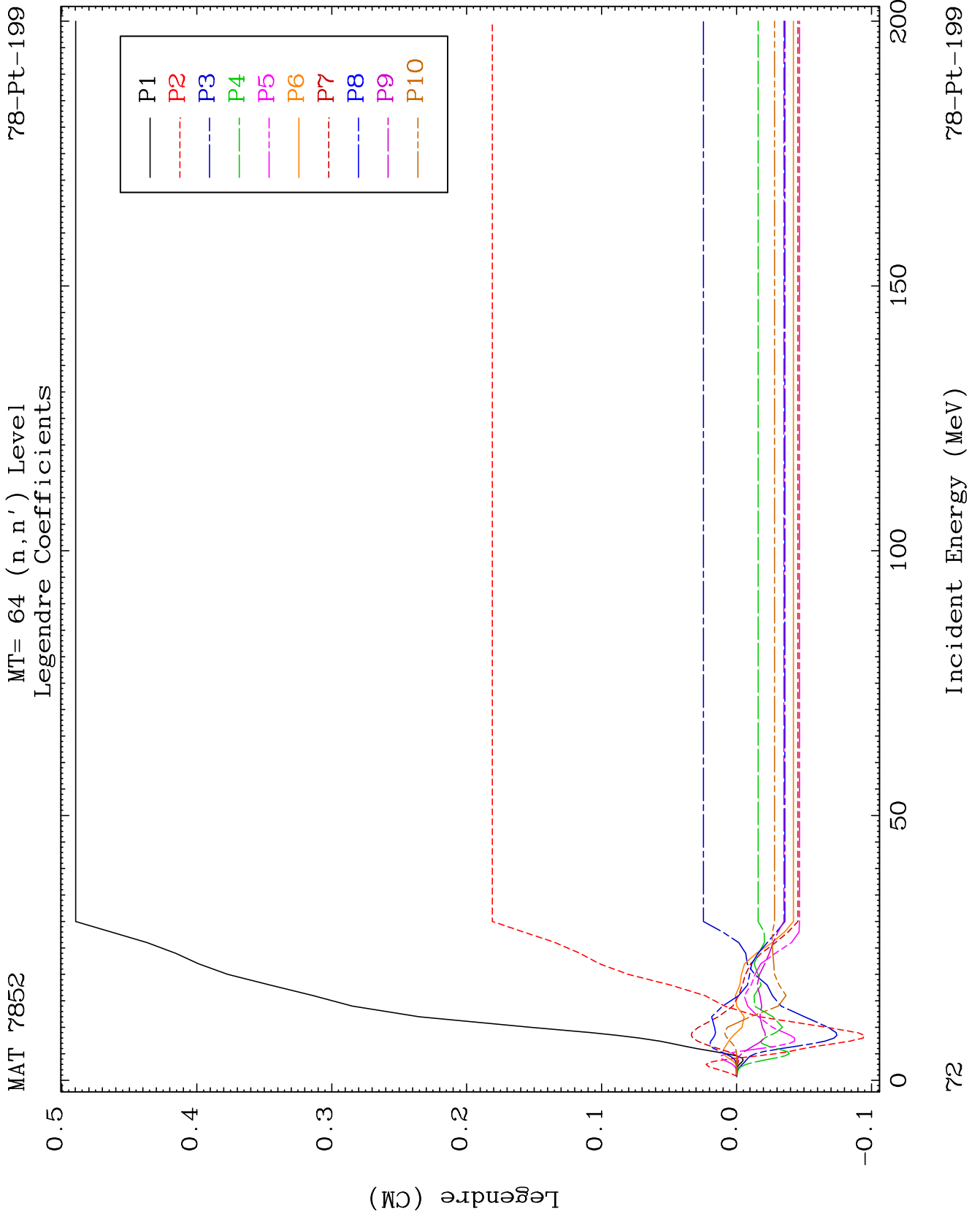
MT= 63 (n,n') Level  
Legendre Coefficients

78-Pt-199



71

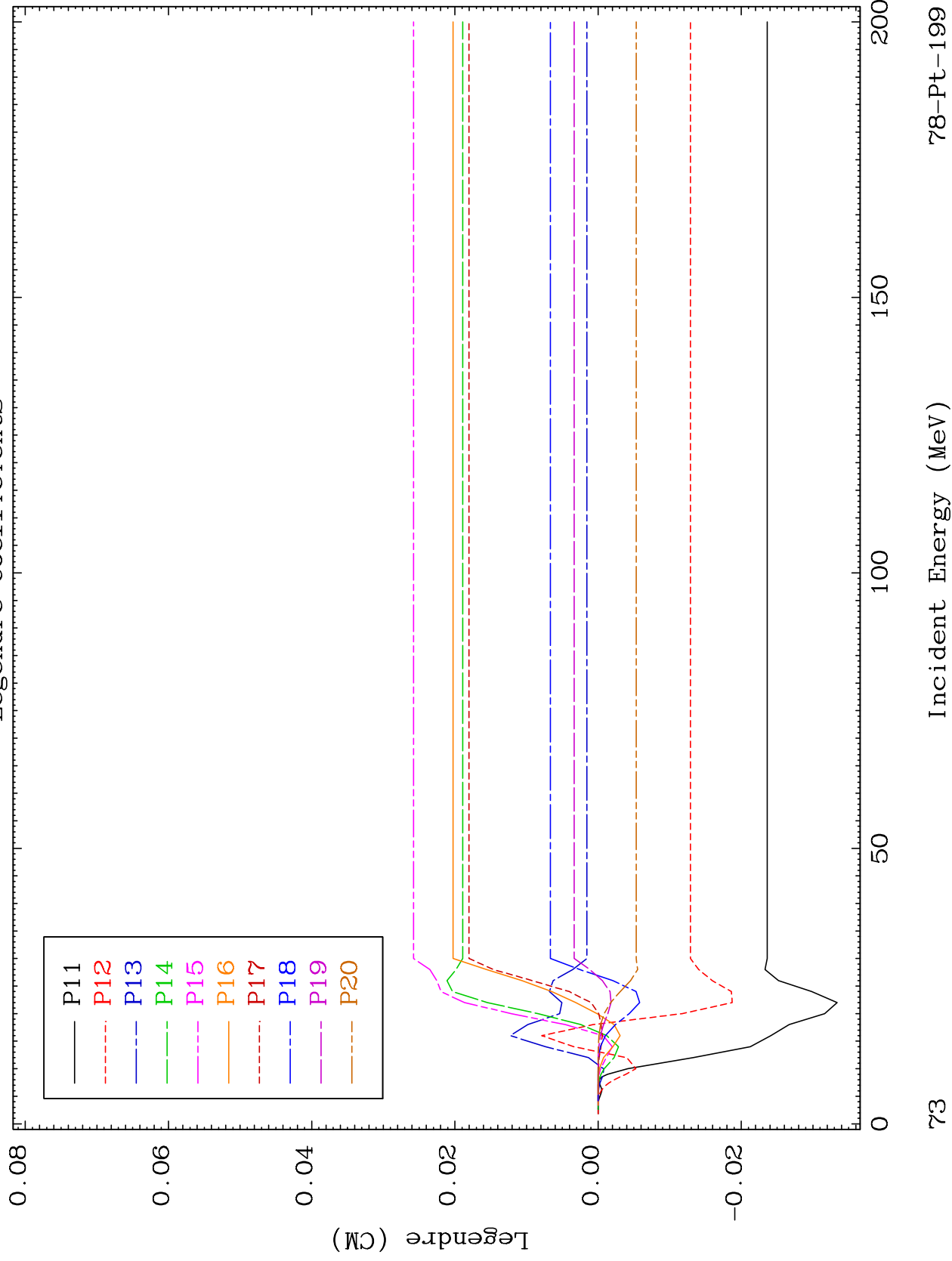




MAT 7852

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

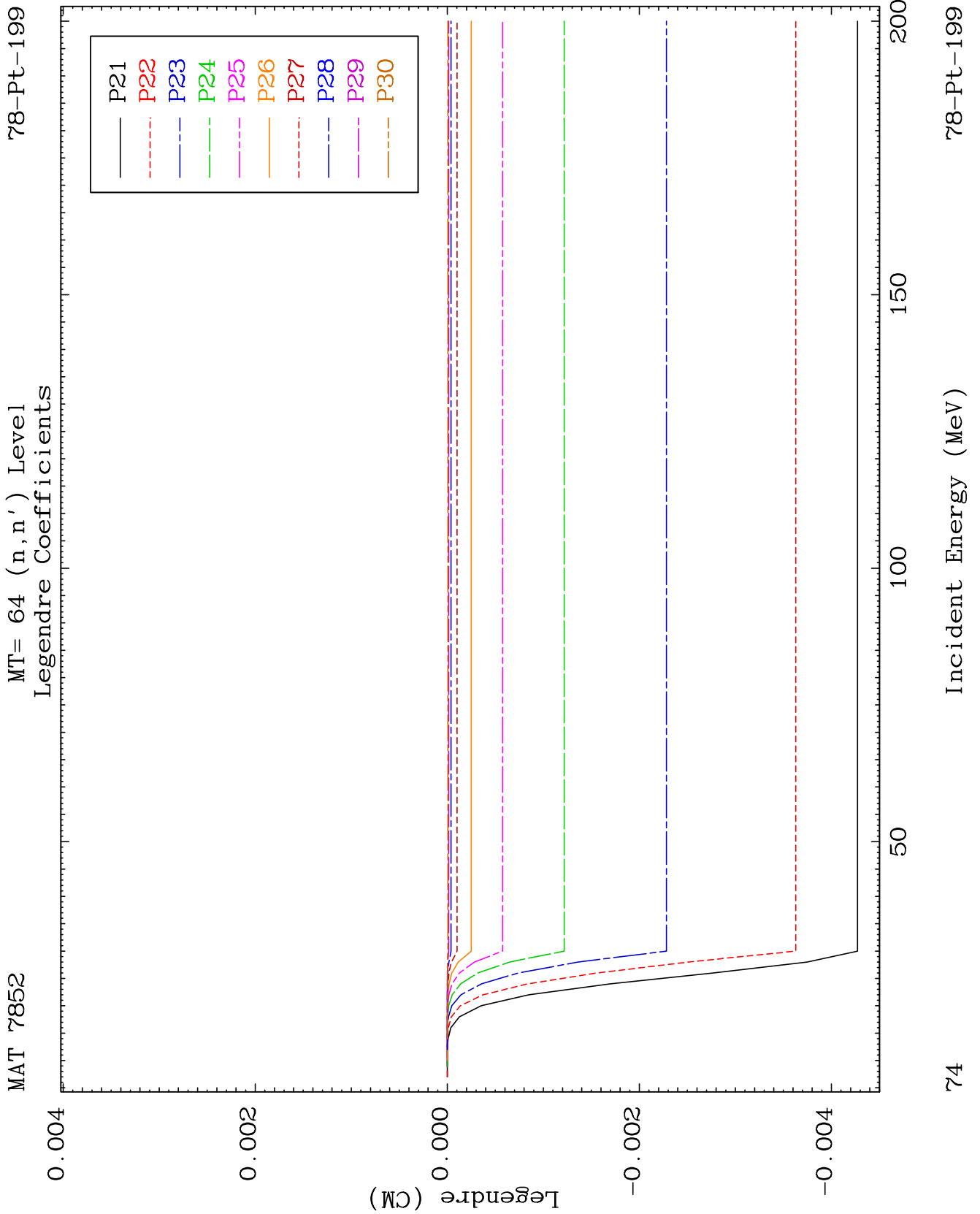
78-Pt-199

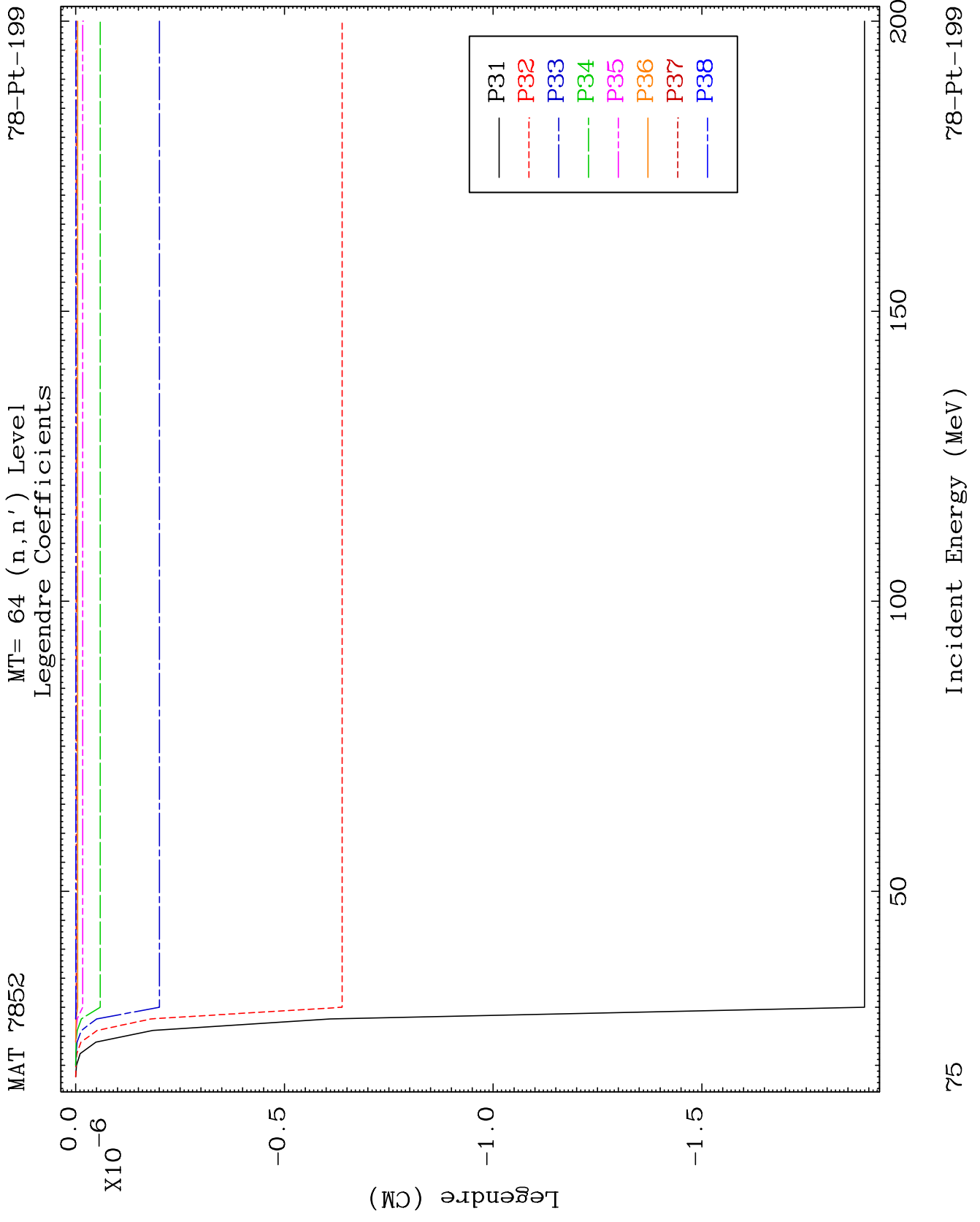


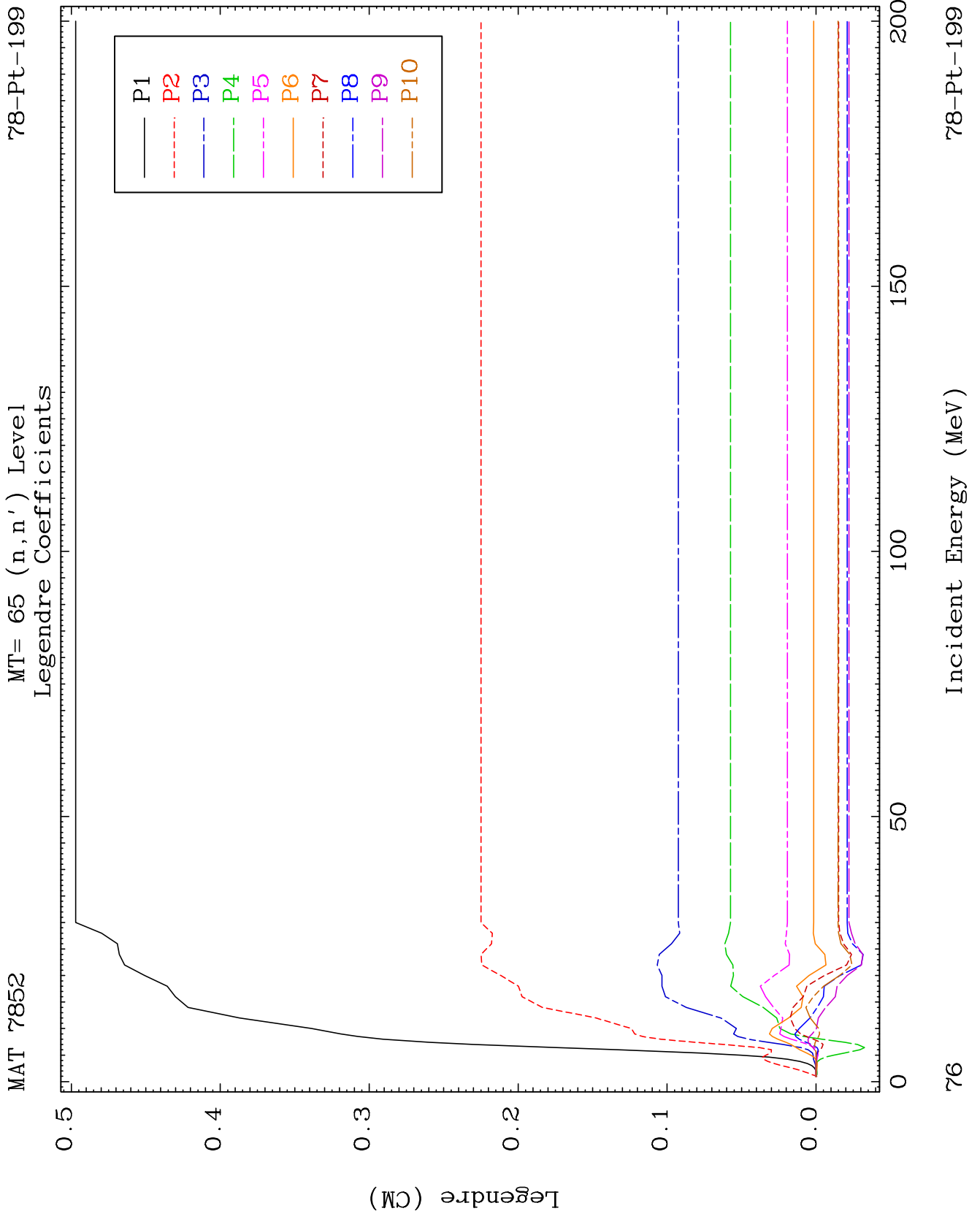
78-Pt-199

Incident Energy (MeV)

73



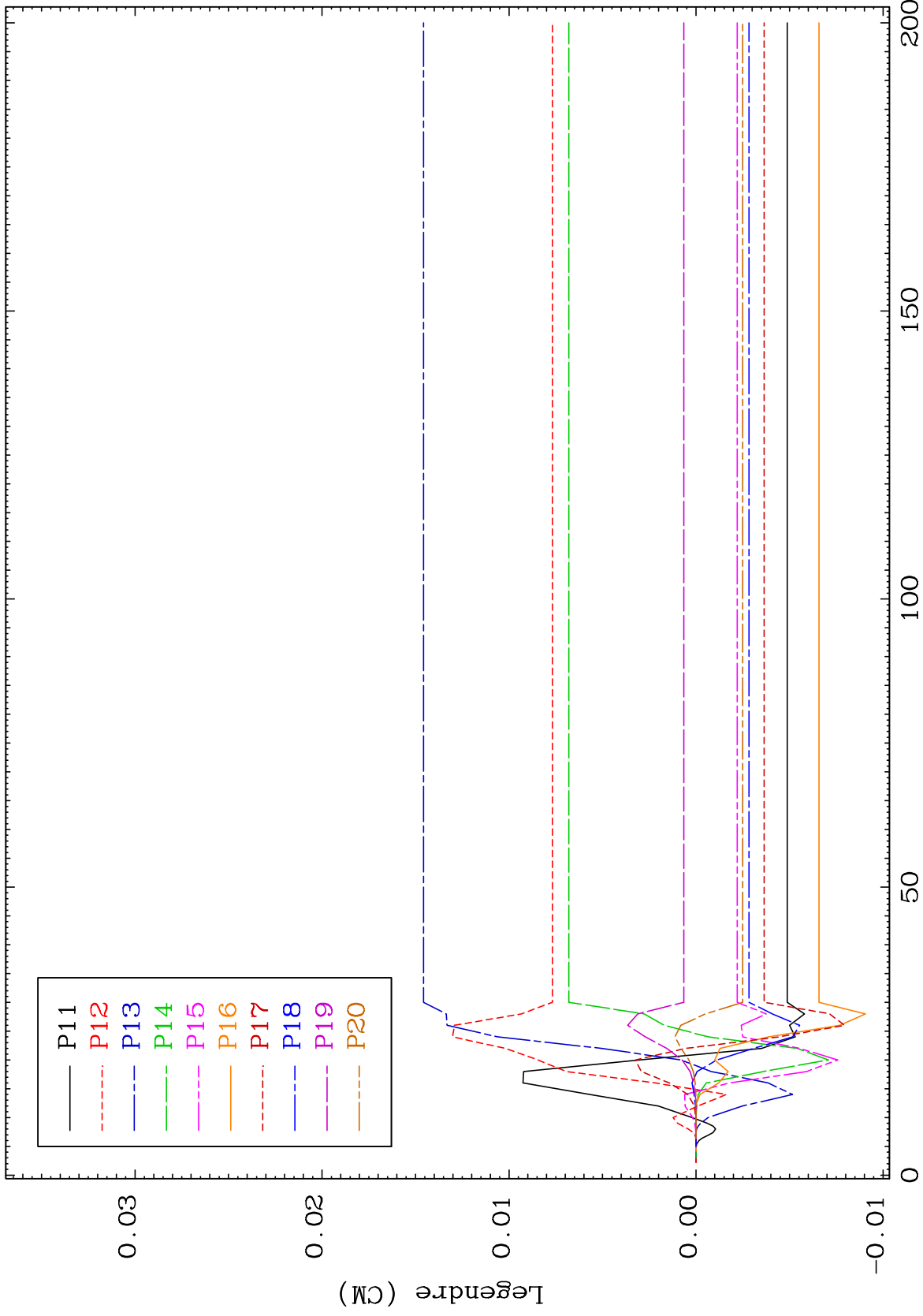




MAT 7852

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

78-Pt-199



77

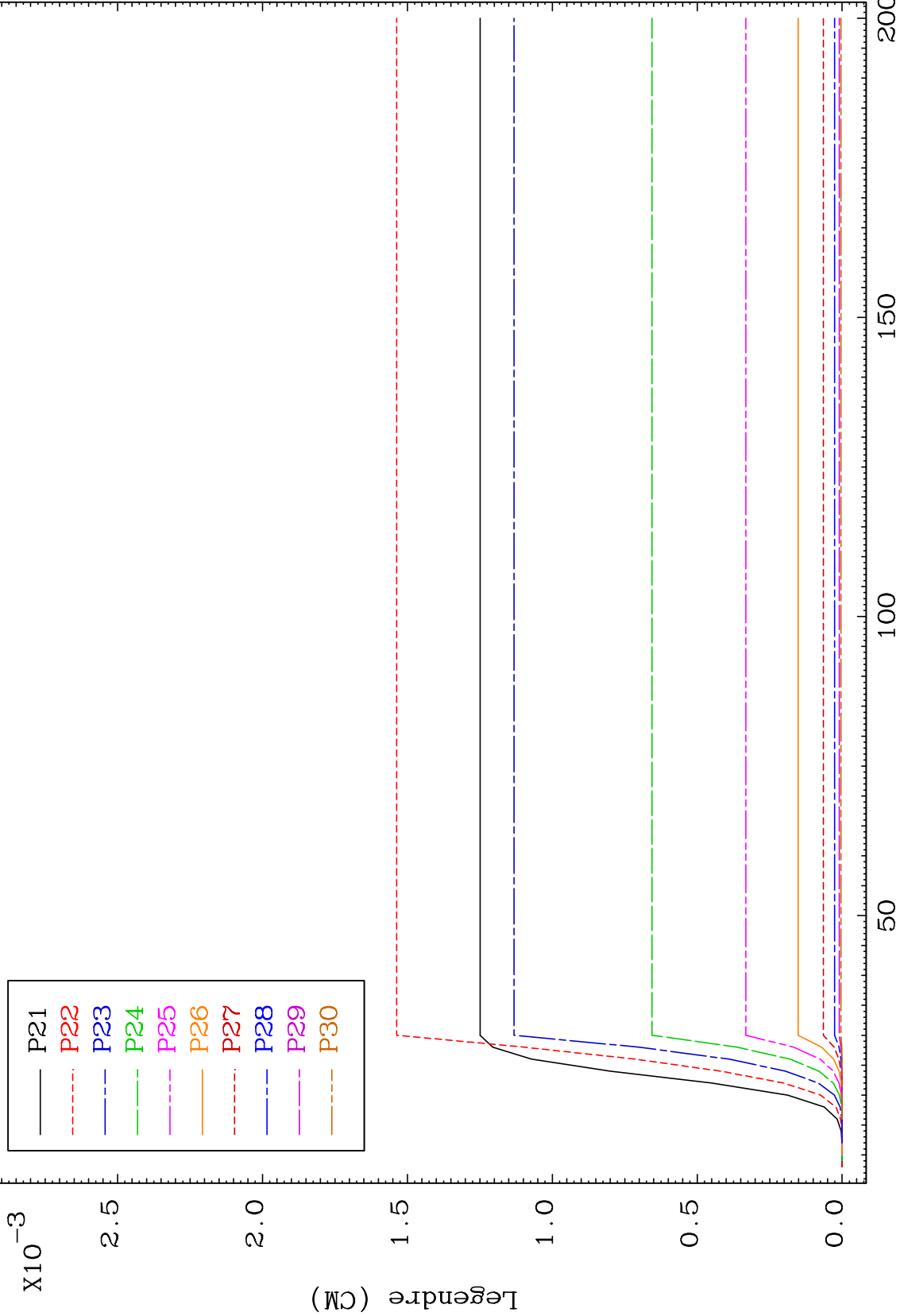
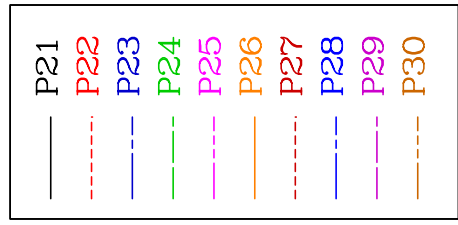
Incident Energy (MeV)

78-Pt-199

MAT 7852

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

78-Pt-199



78

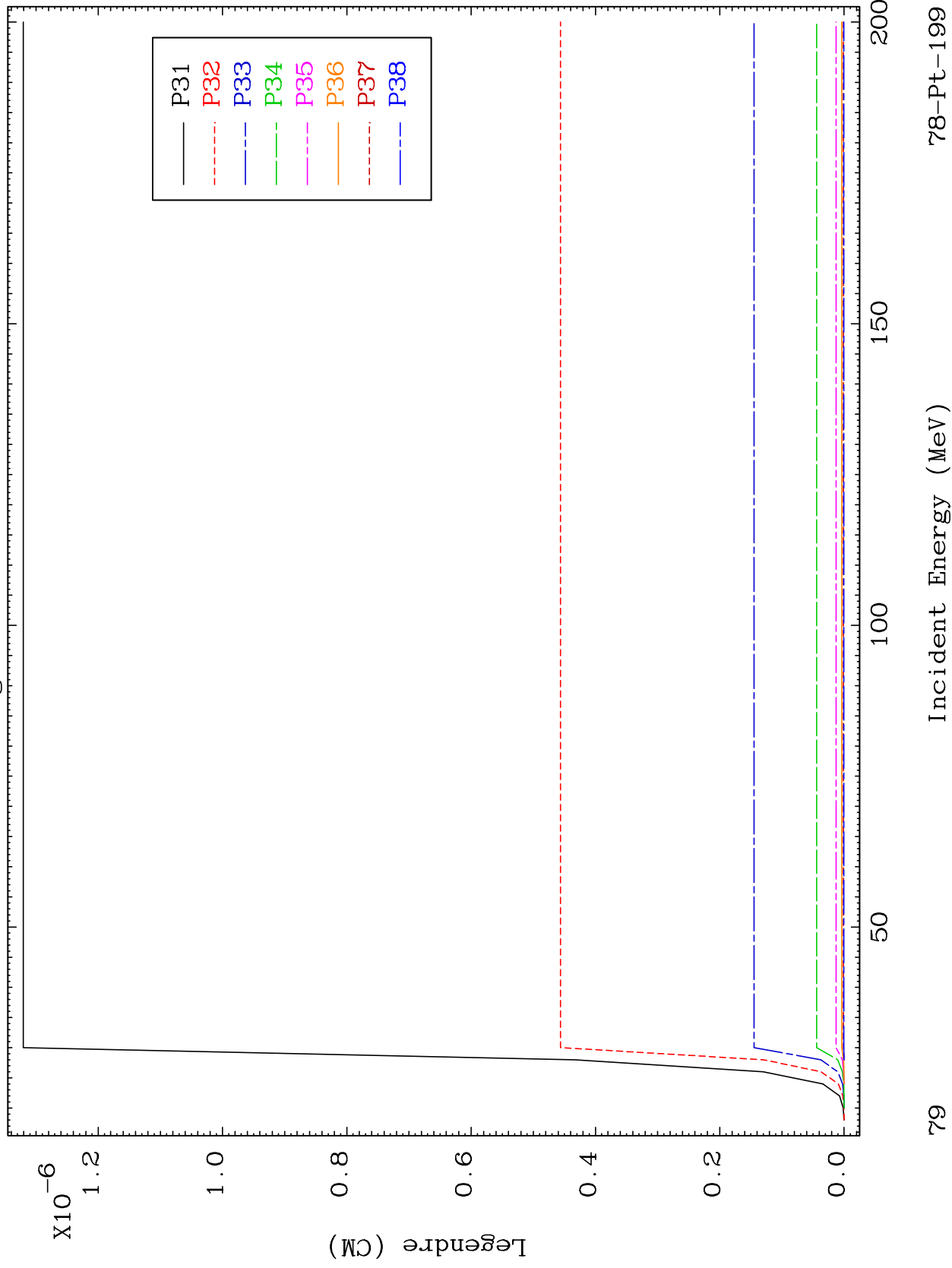
Incident Energy (MeV)

78-Pt-199

MAT 7852

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

78-Pt-199



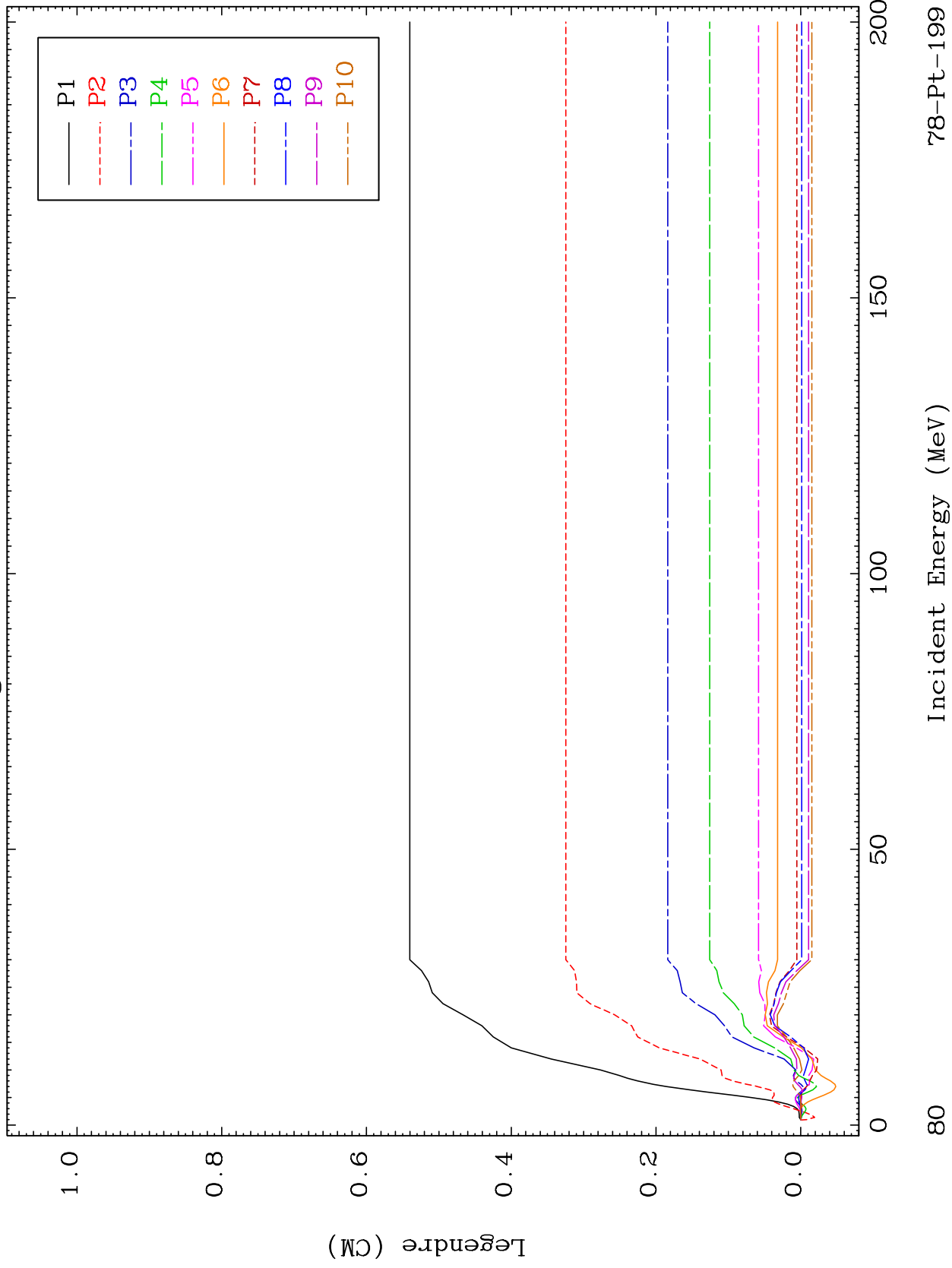
79



MAT 7852

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

78-Pt-199

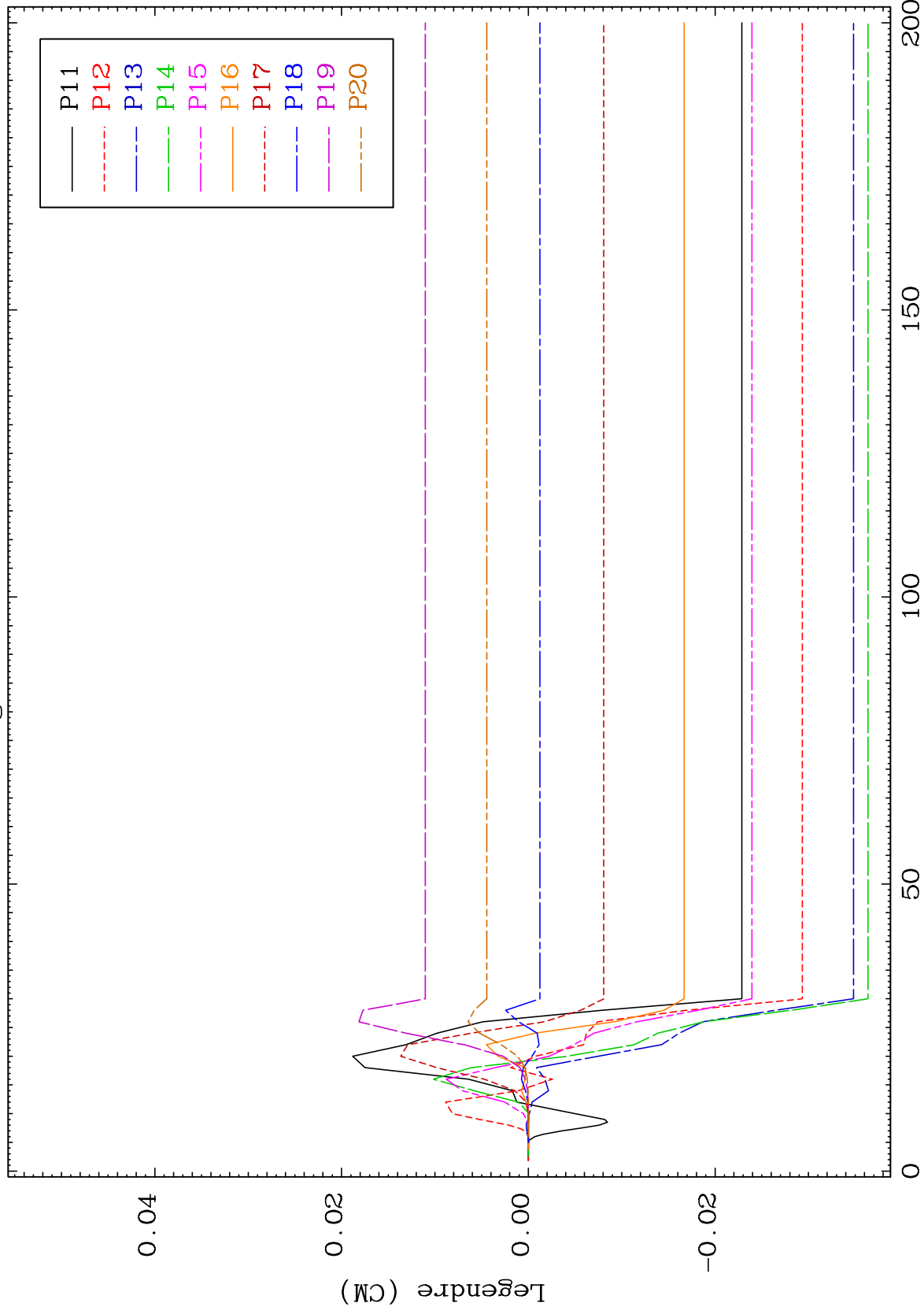


78-Pt-199

MAT 7852

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

78-Pt-199



81

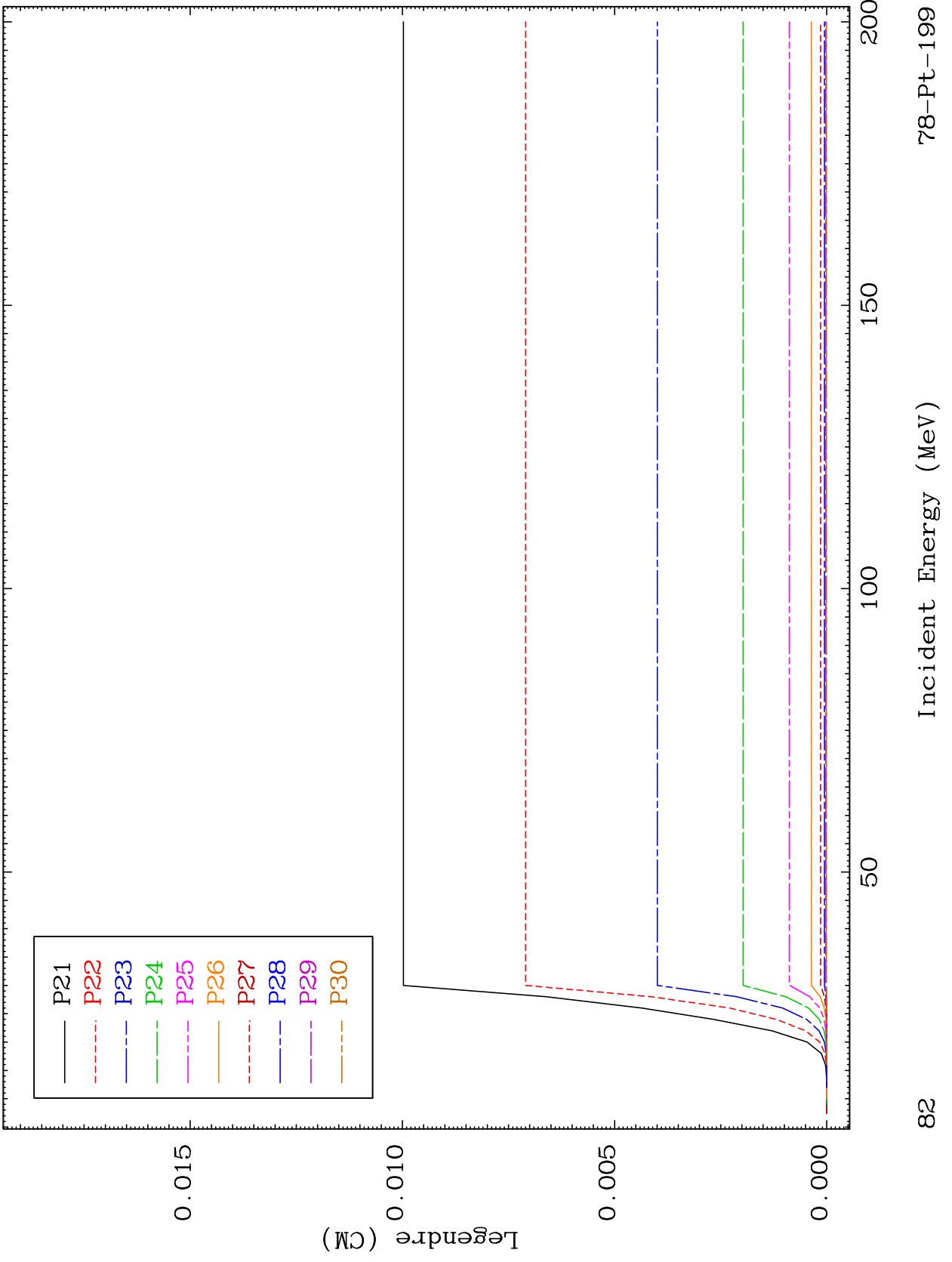
Incident Energy (MeV)

78-Pt-199

MAT 7852

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

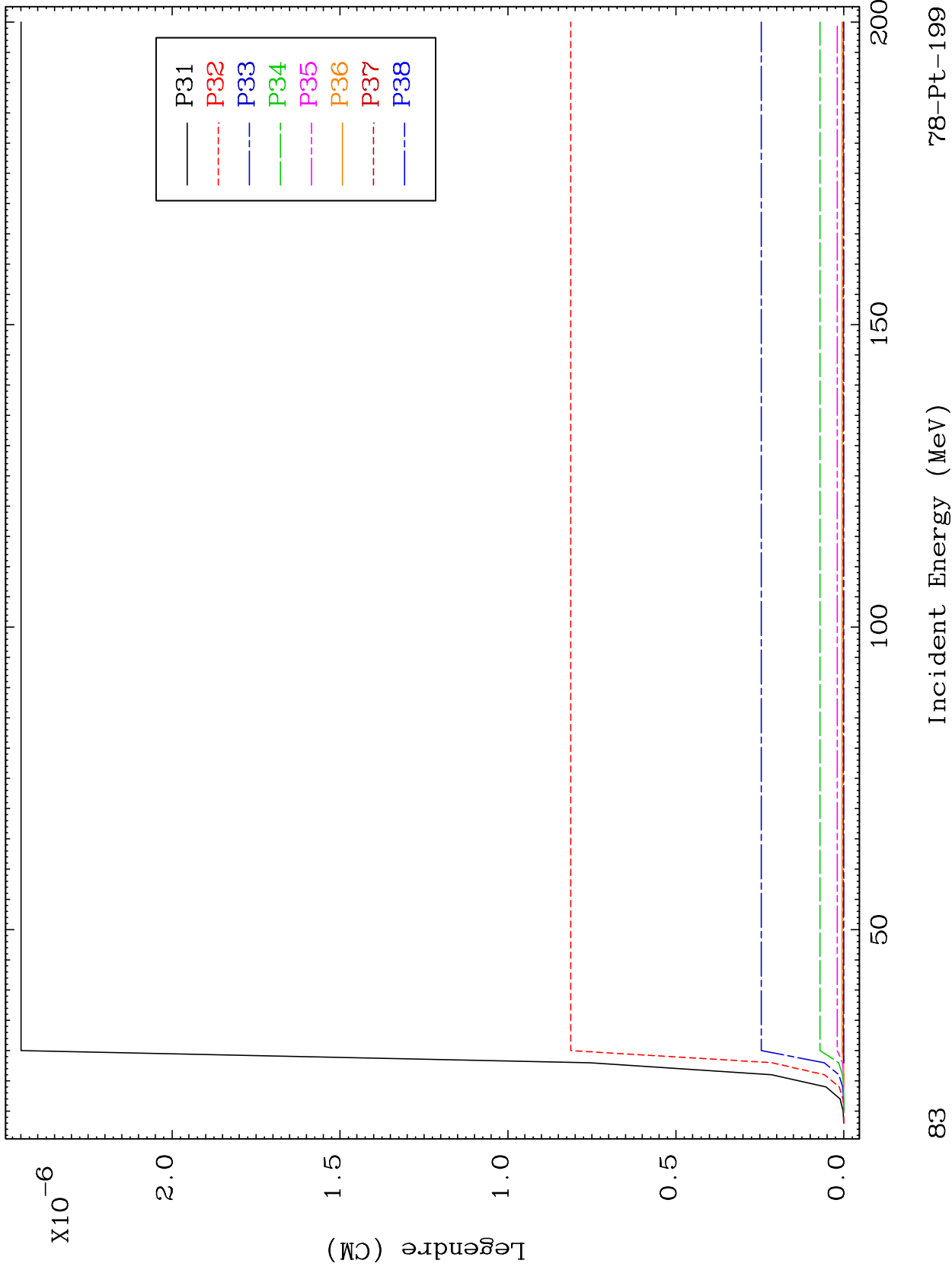
78-Pt-199



82

Incident Energy (MeV)

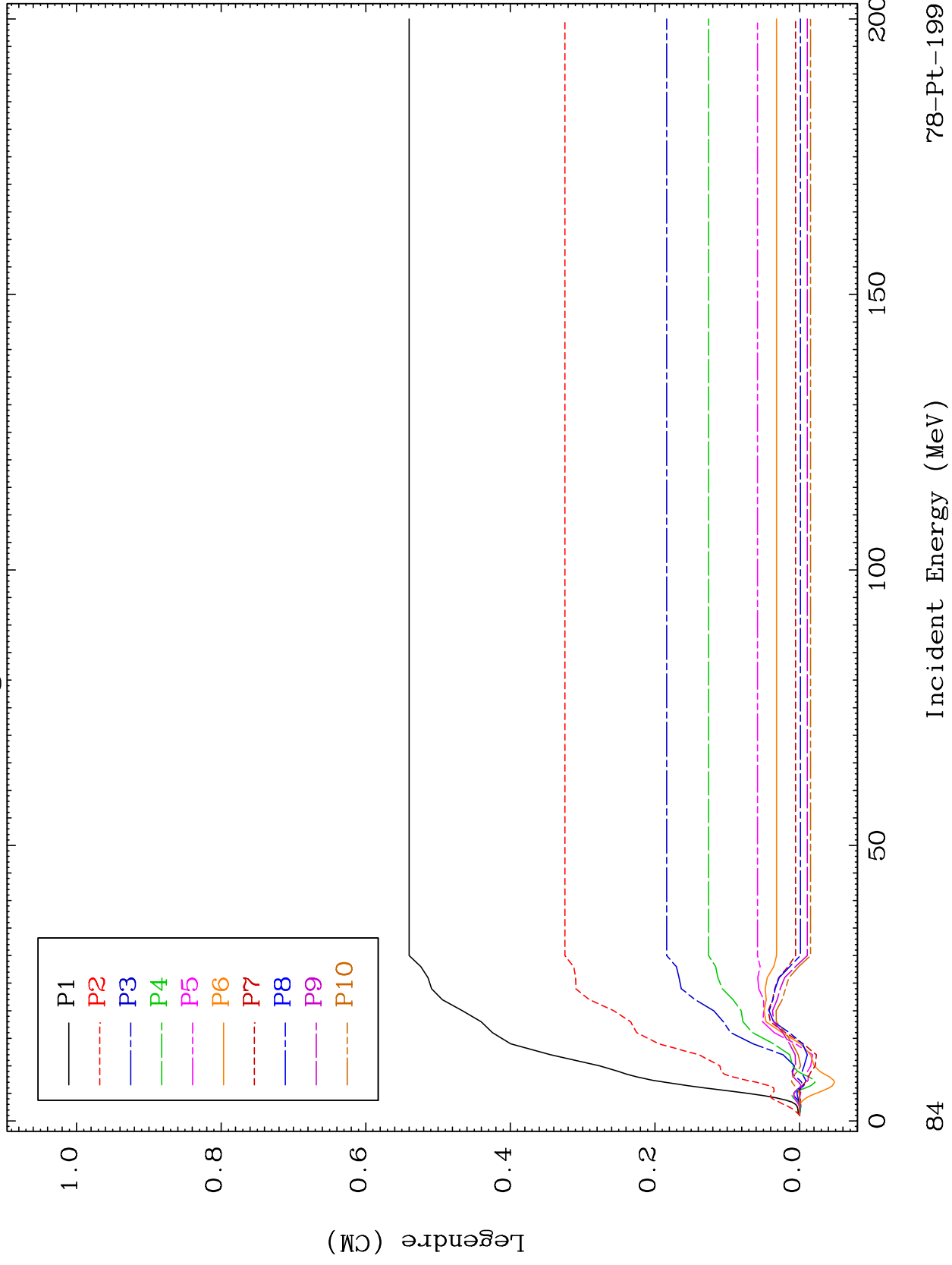
78-Pt-199



MAT 7852

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

78-Pt-199

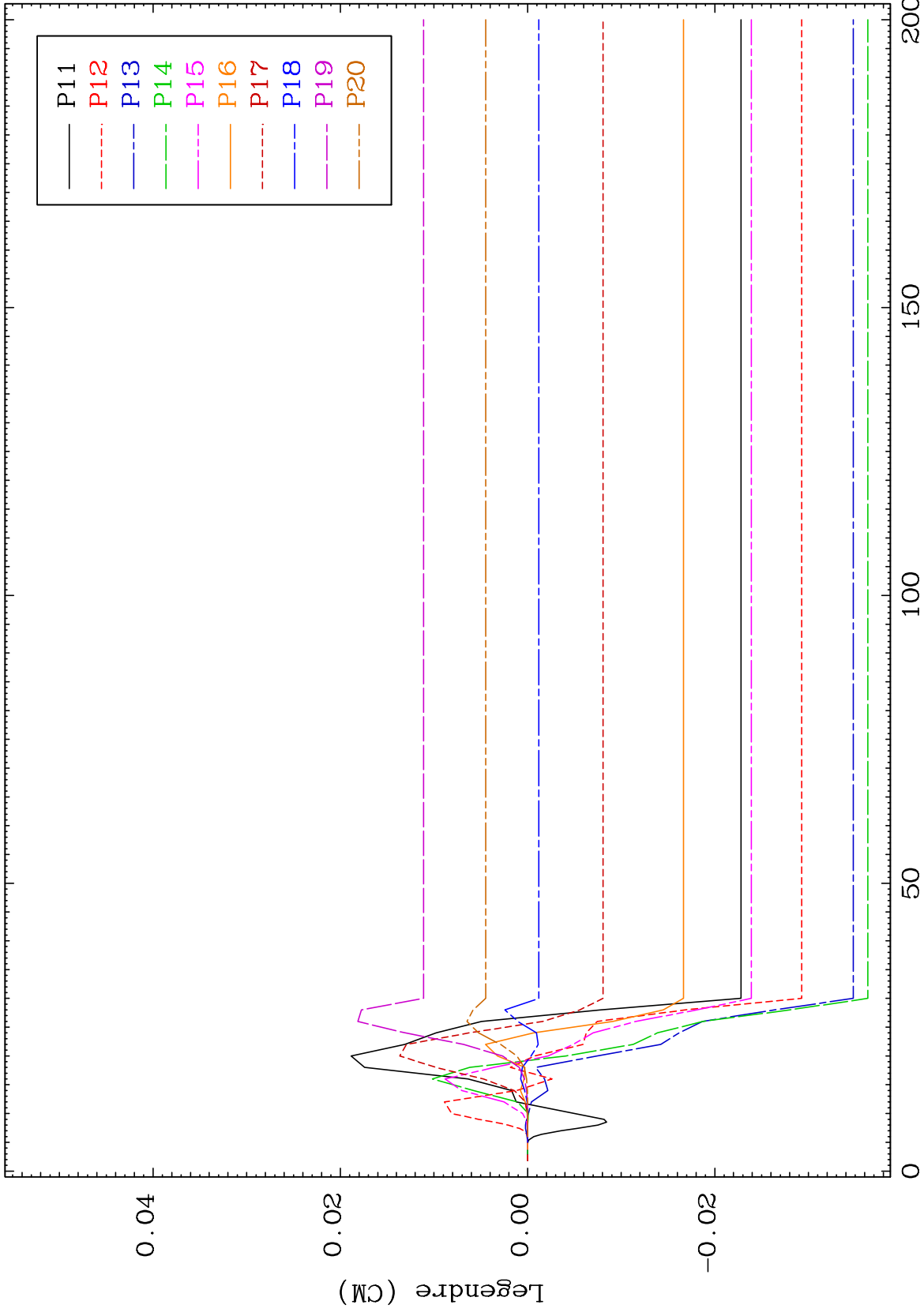


84

MAT 7852

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

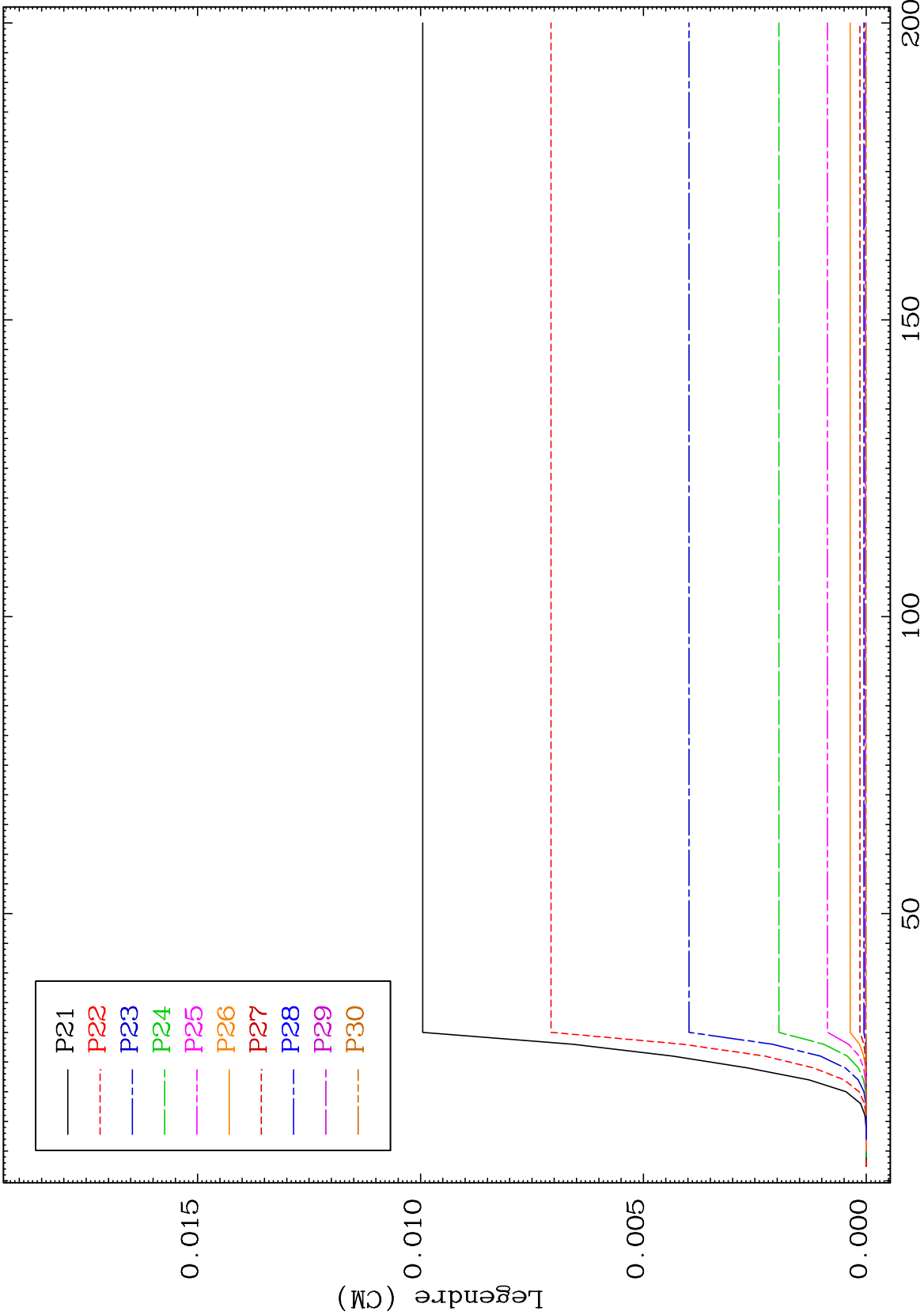
78-Pt-199



85

Incident Energy (MeV)

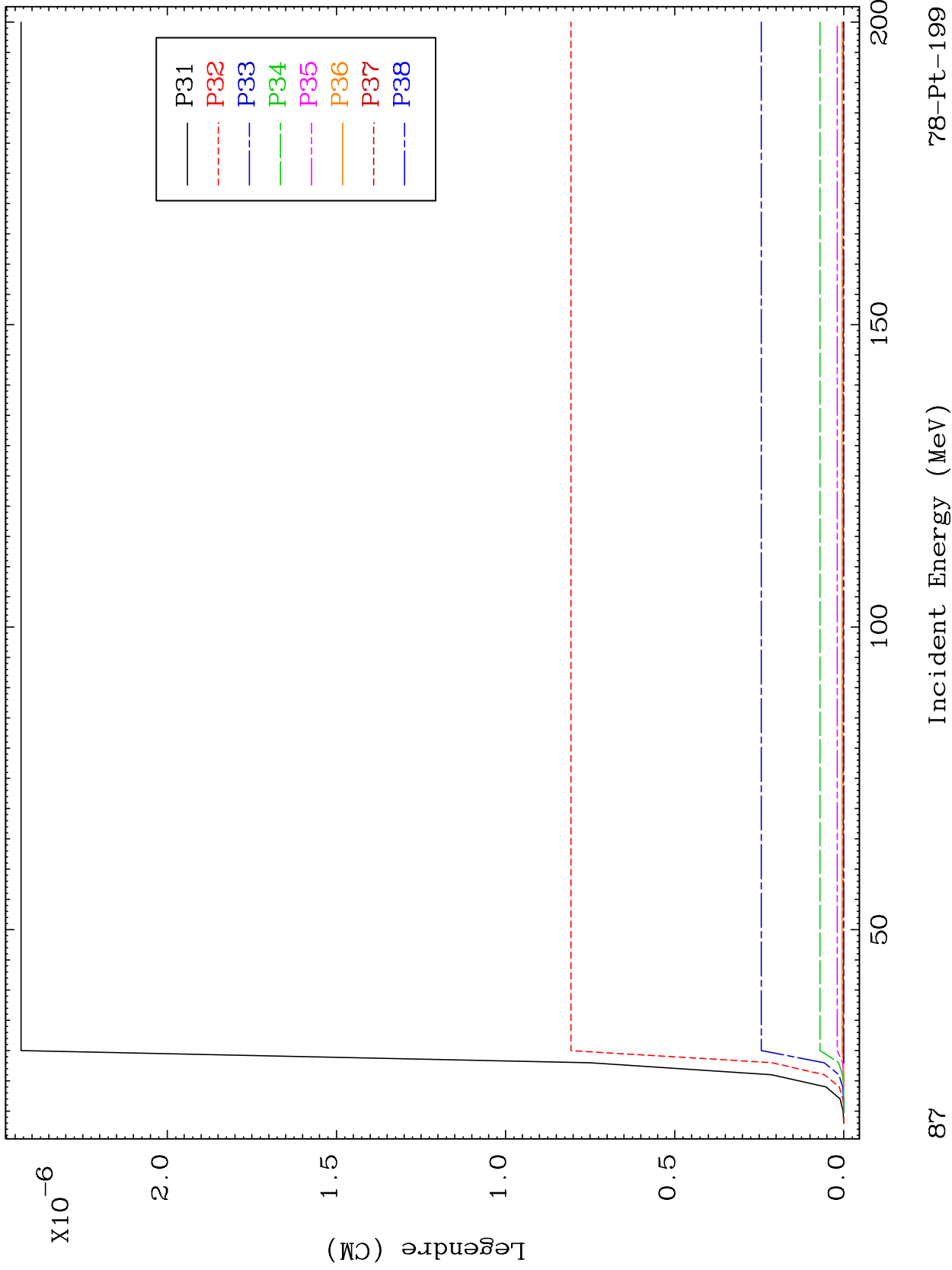
78-Pt-199



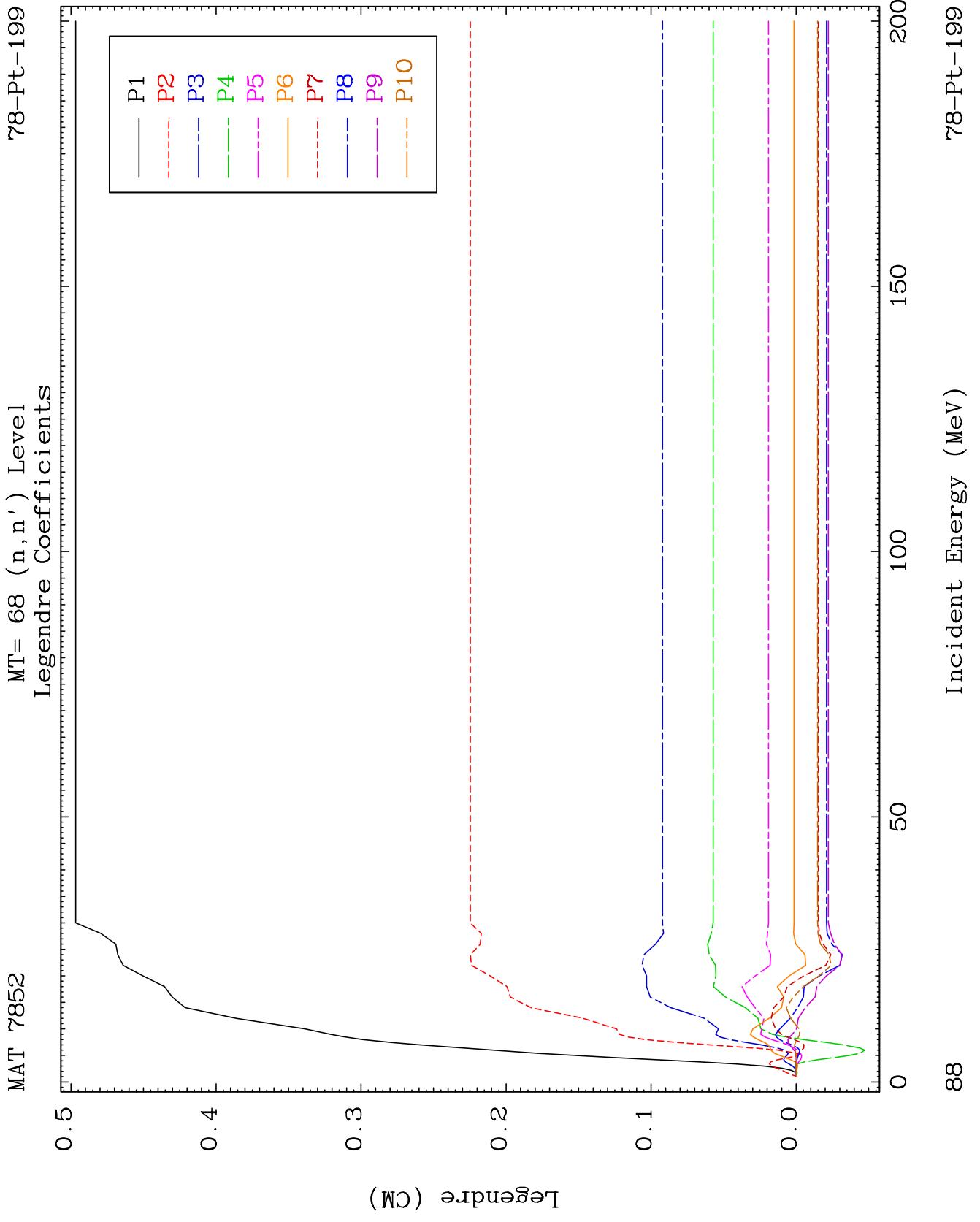
MAT 7852

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

78-Pt-199



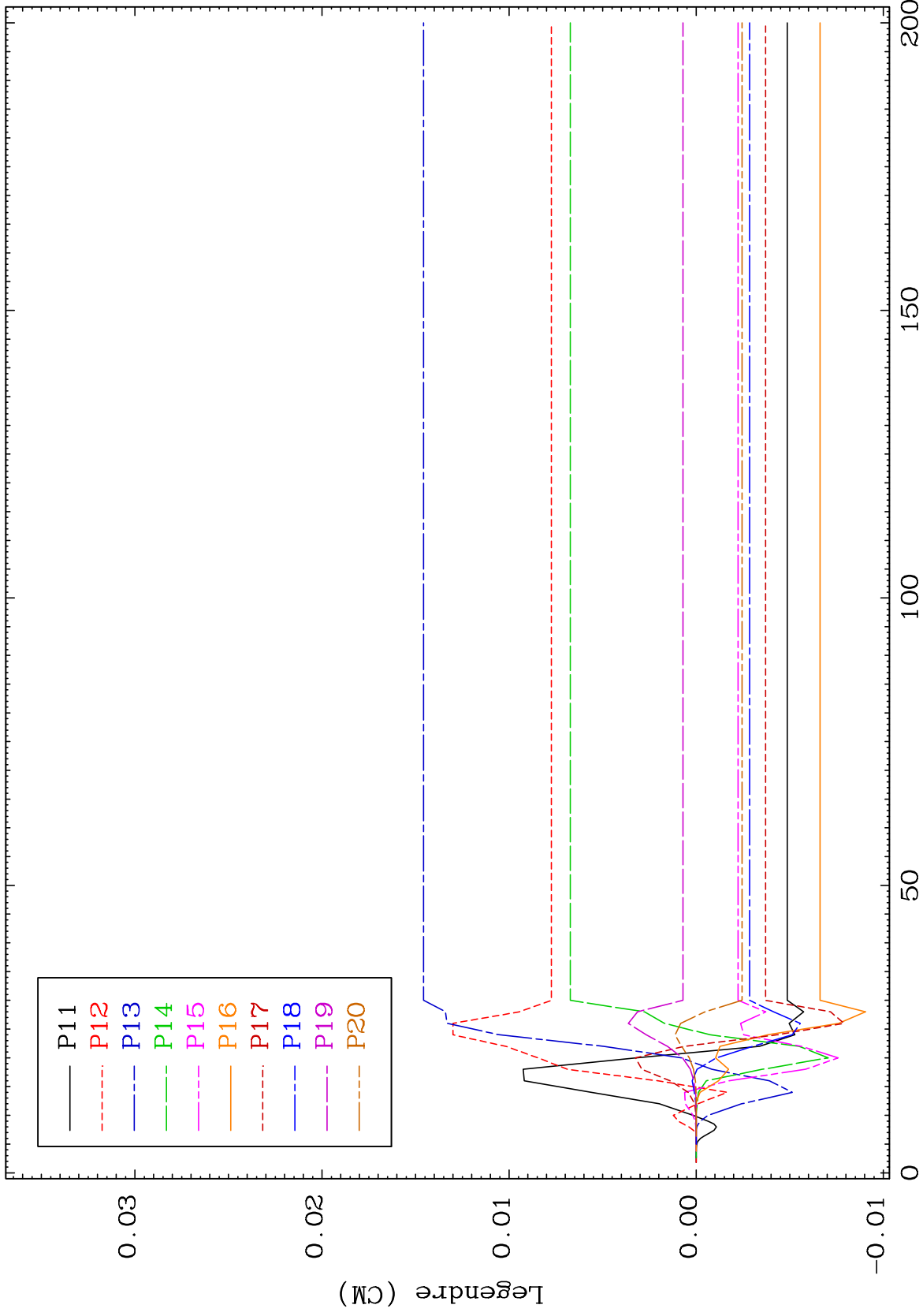




MAT 7852

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

78-Pt-199



89

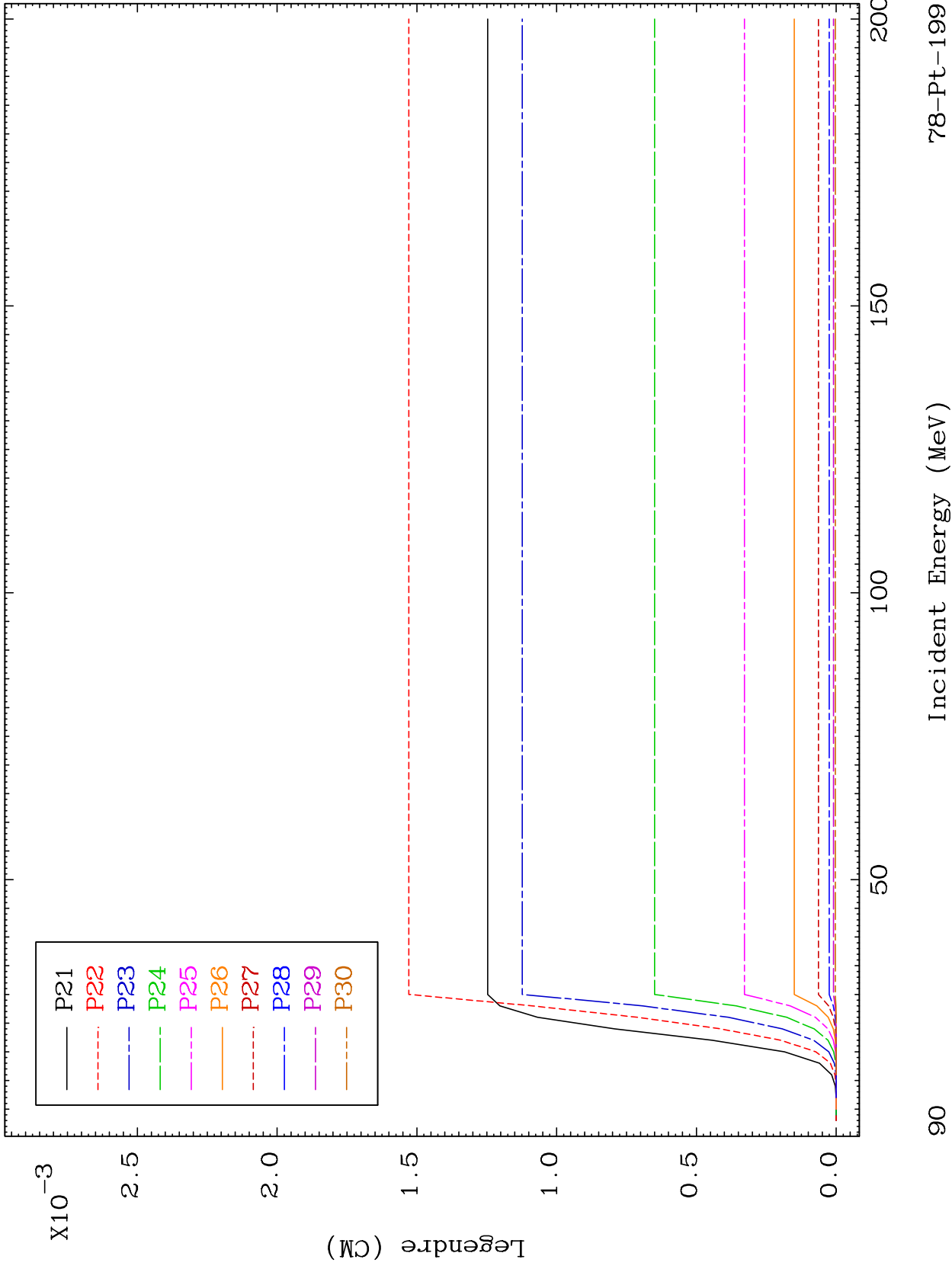
Incident Energy (MeV)

78-Pt-199

MAT 7852

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

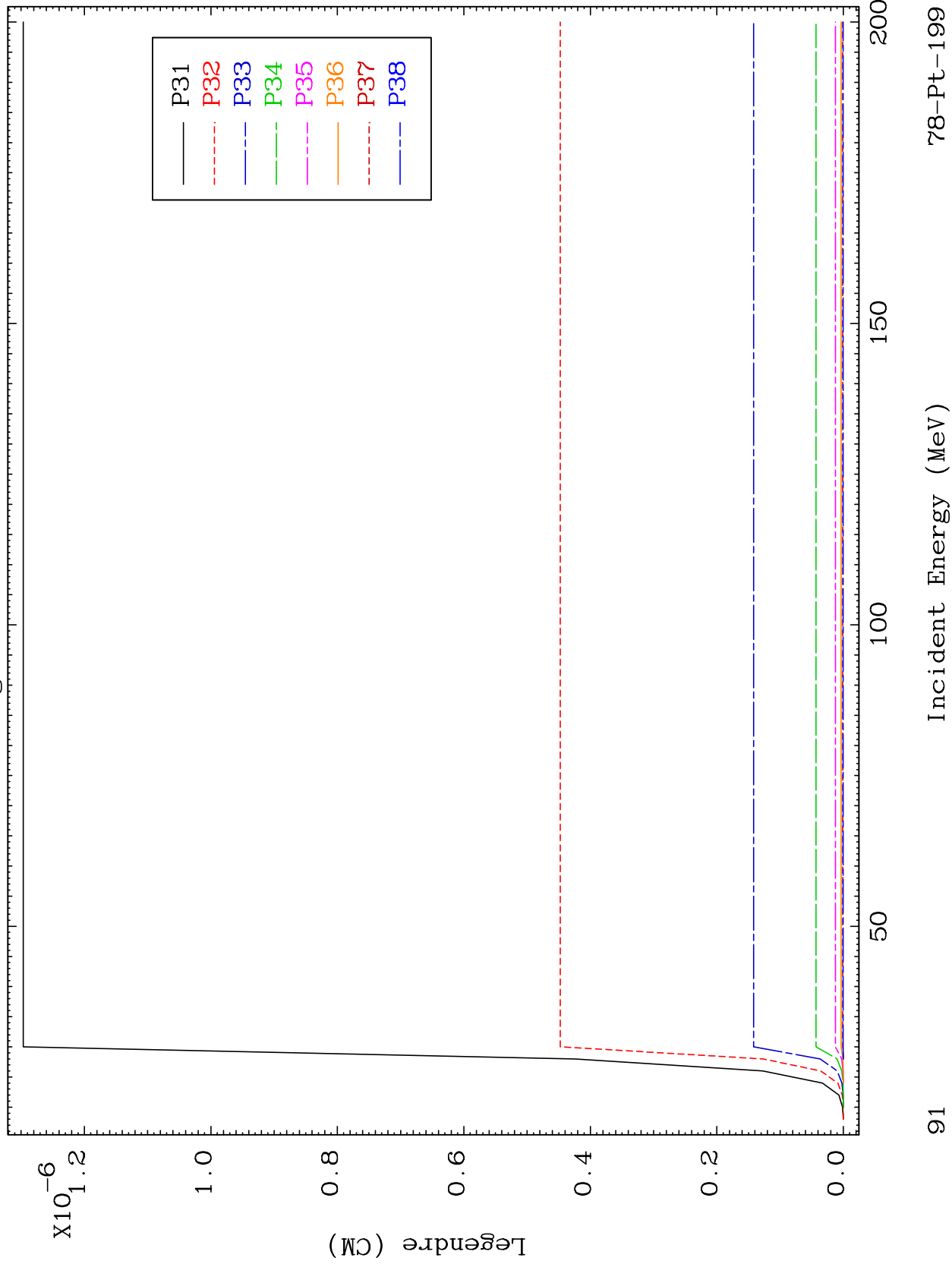
78-Pt-199



MAT 7852

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

78-Pt-199

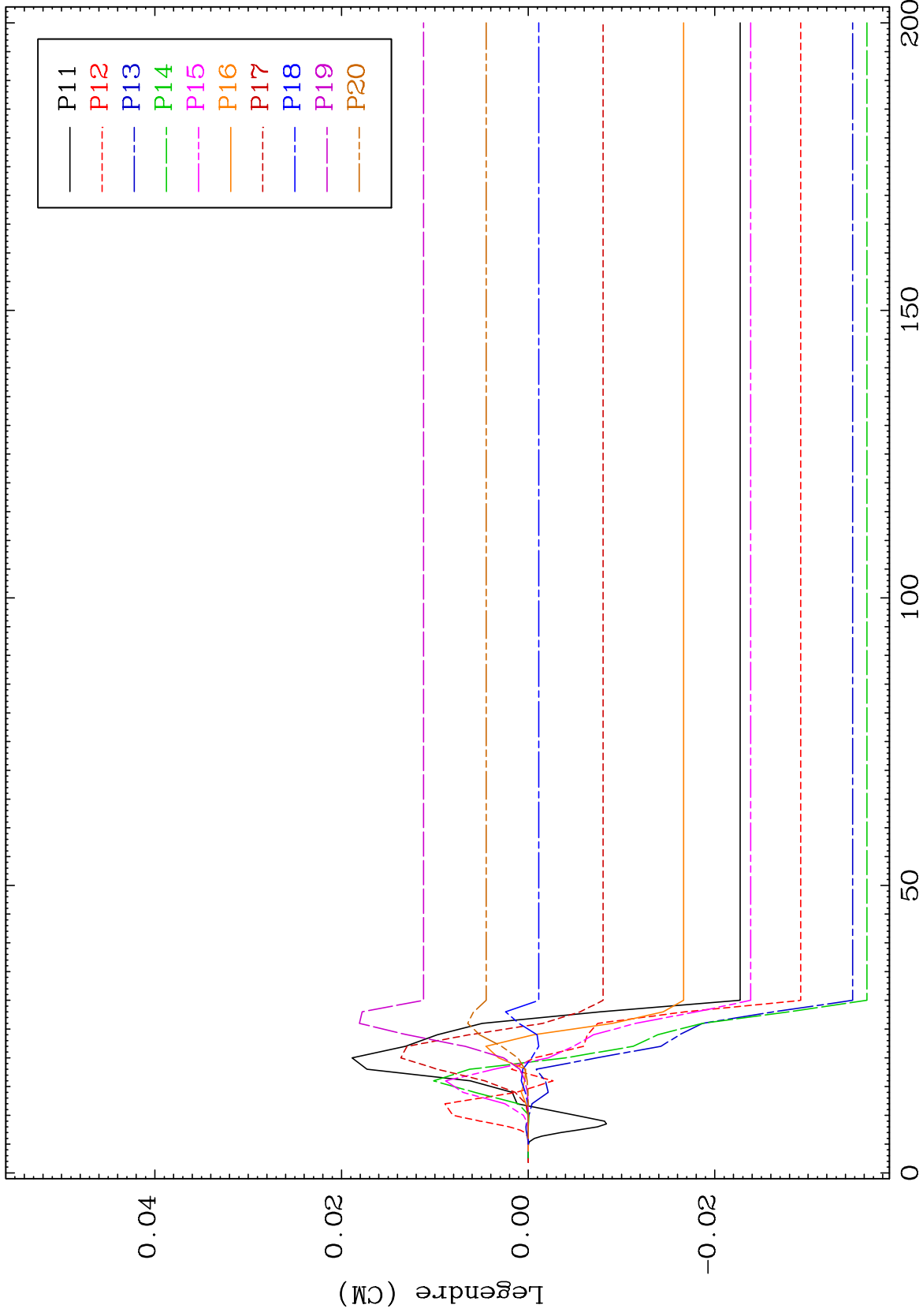




MAT 7852

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

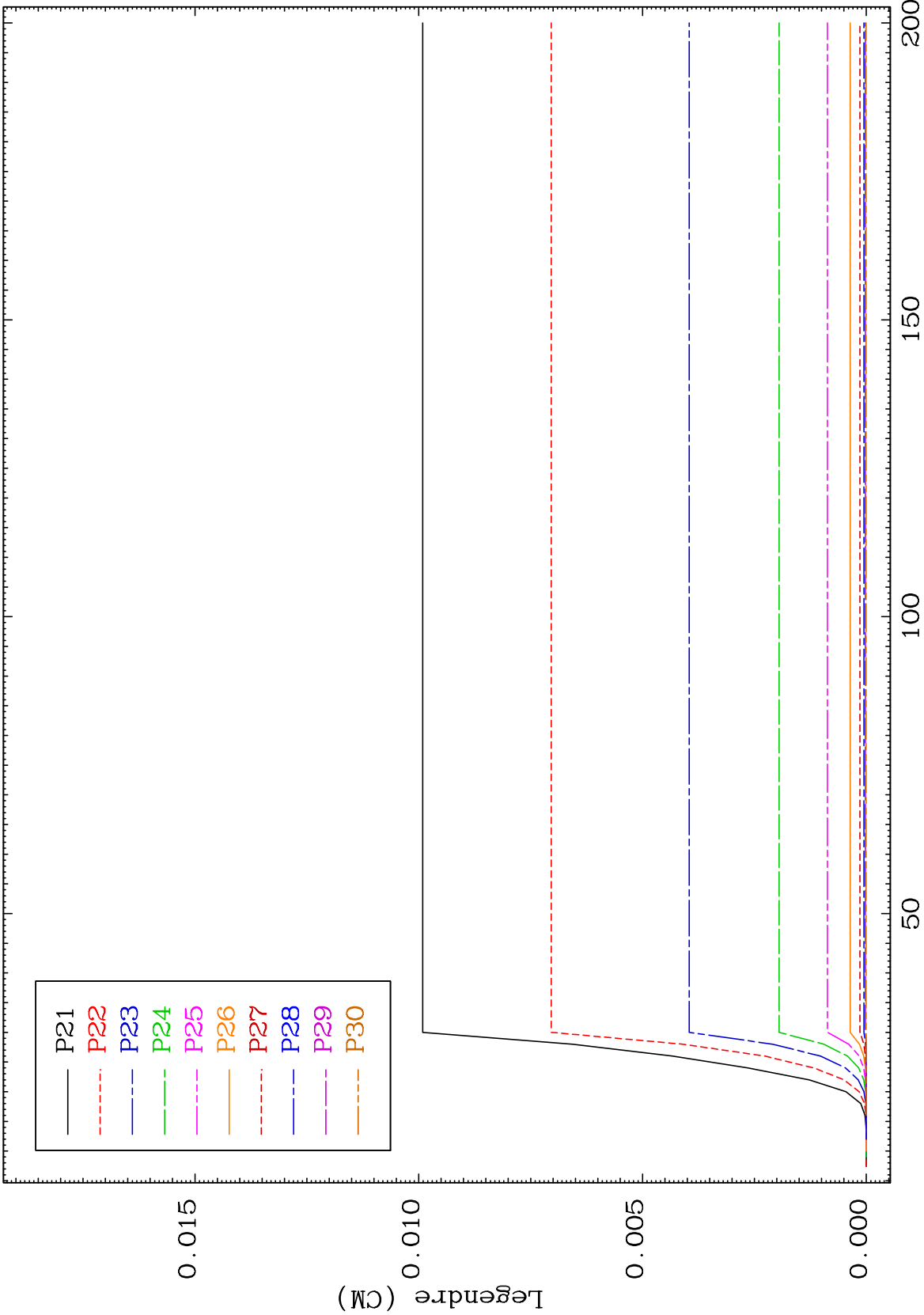
78-Pt-199



93

Incident Energy (MeV)

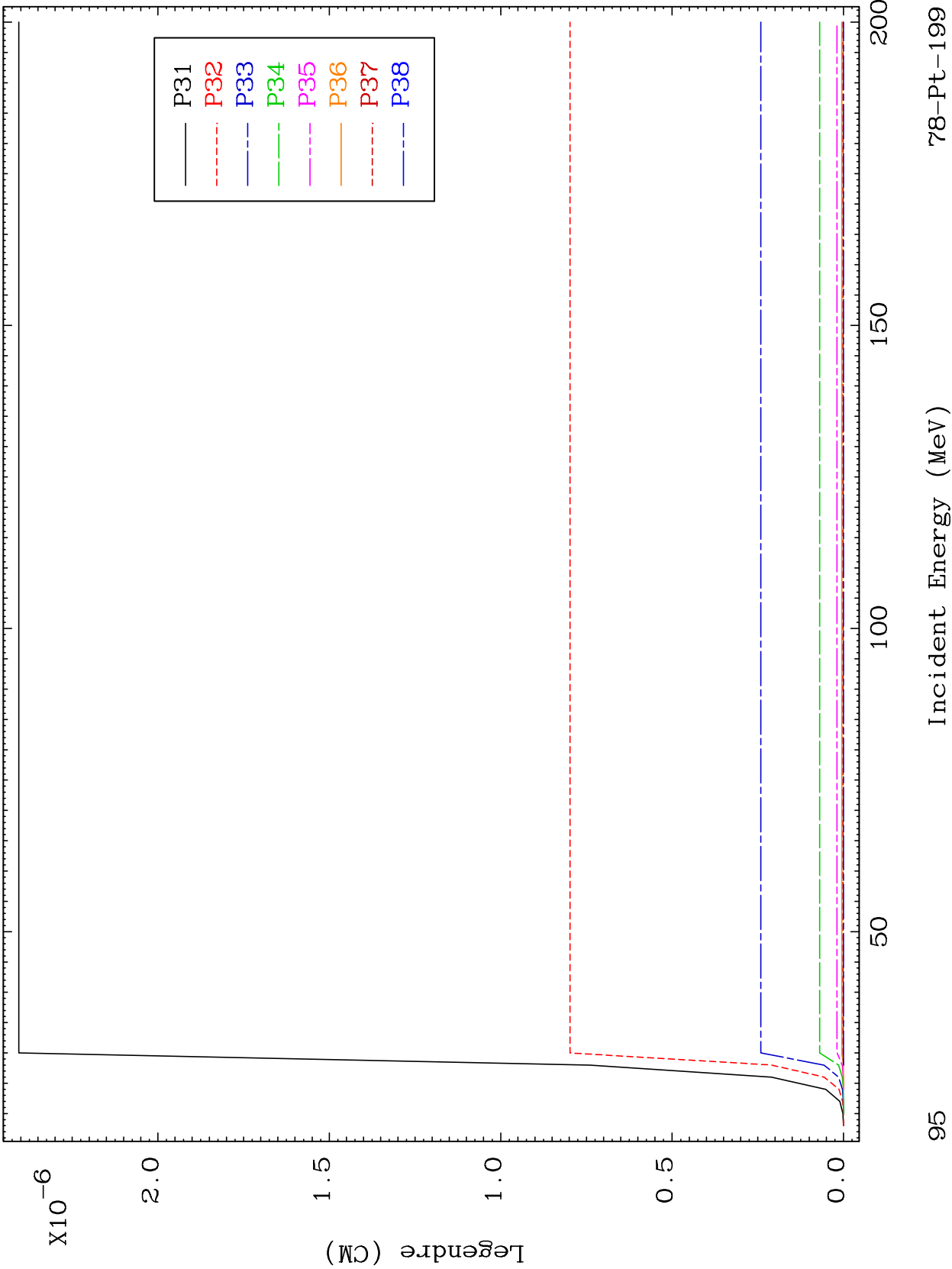
78-Pt-199



MAT 7852

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

78-Pt-199



95

Incident Energy (MeV)

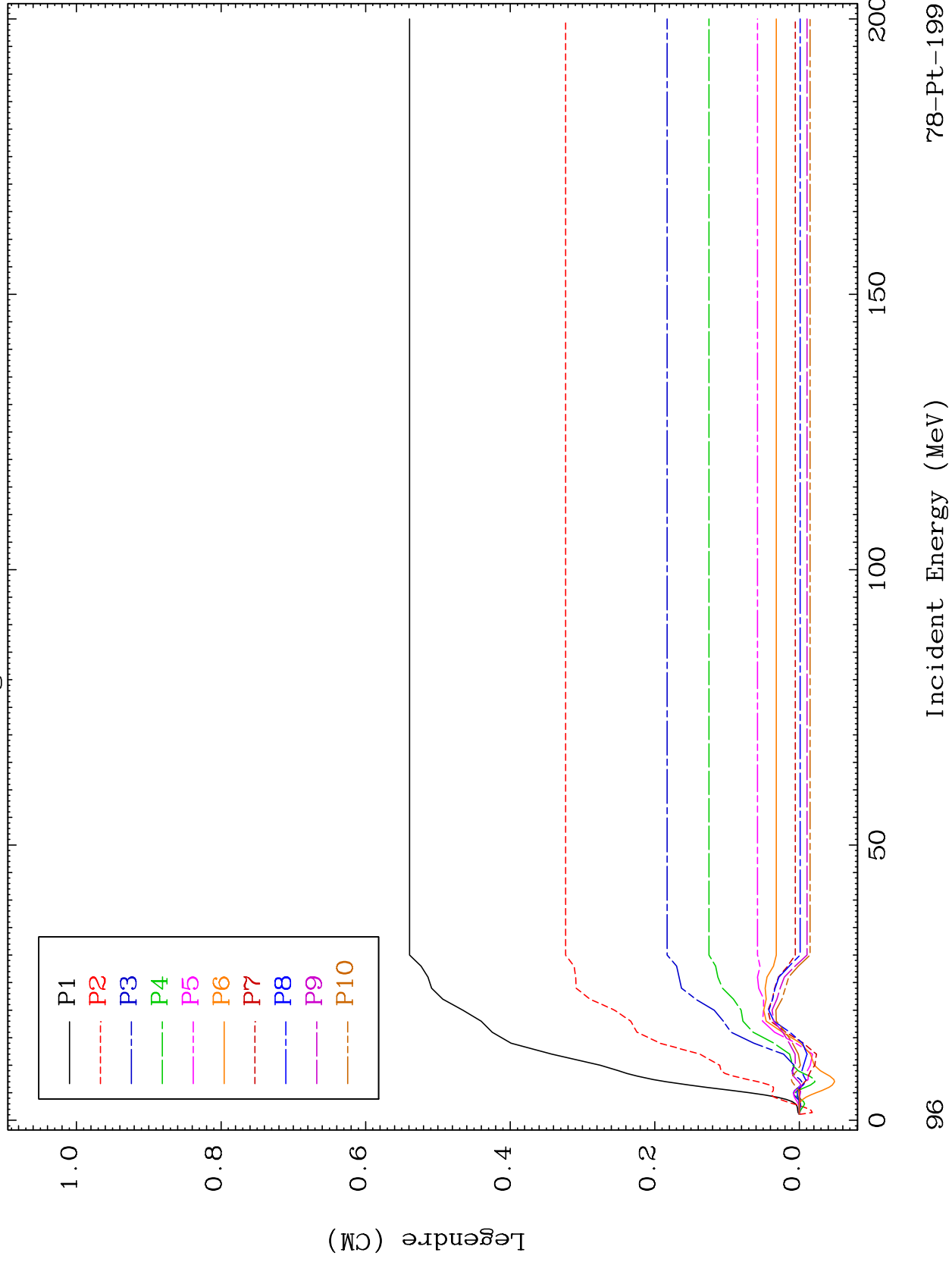
78-Pt-199



MAT 7852

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

78-Pt-199



96

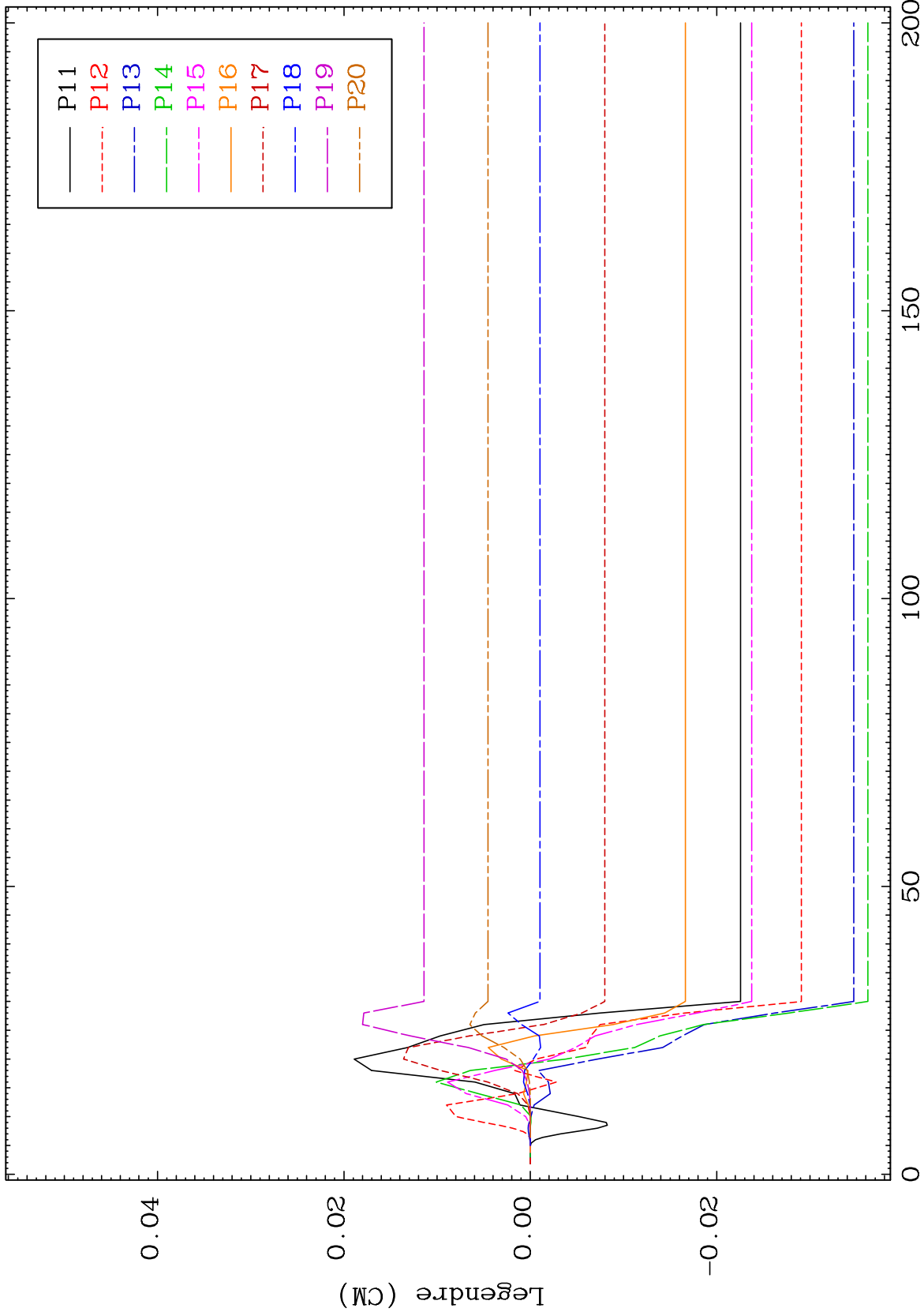
Incident Energy (MeV)

78-Pt-199

MAT 7852

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

78-Pt-199



97

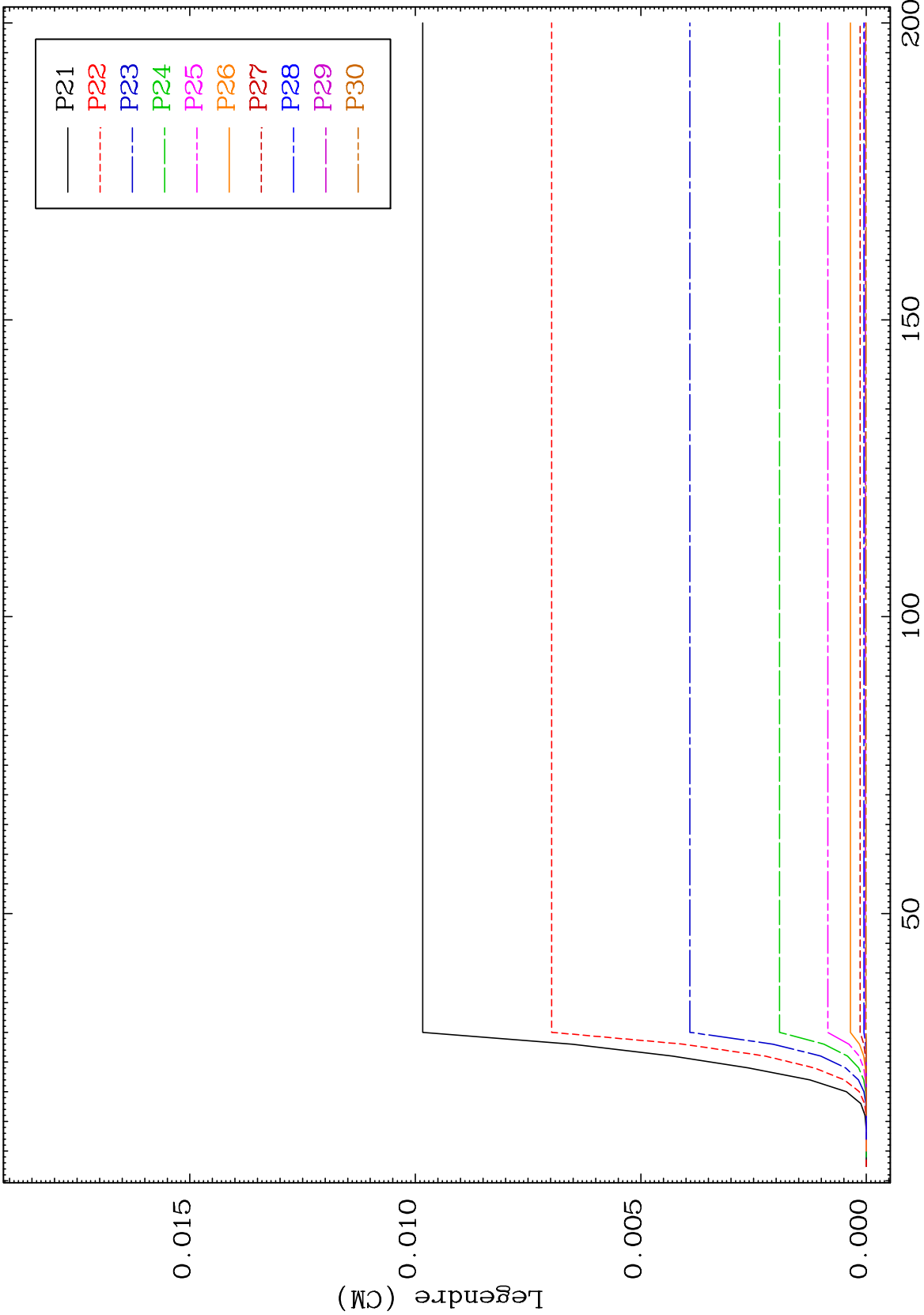
Incident Energy (MeV)

78-Pt-199

MAT 7852

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

78-Pt-199



98

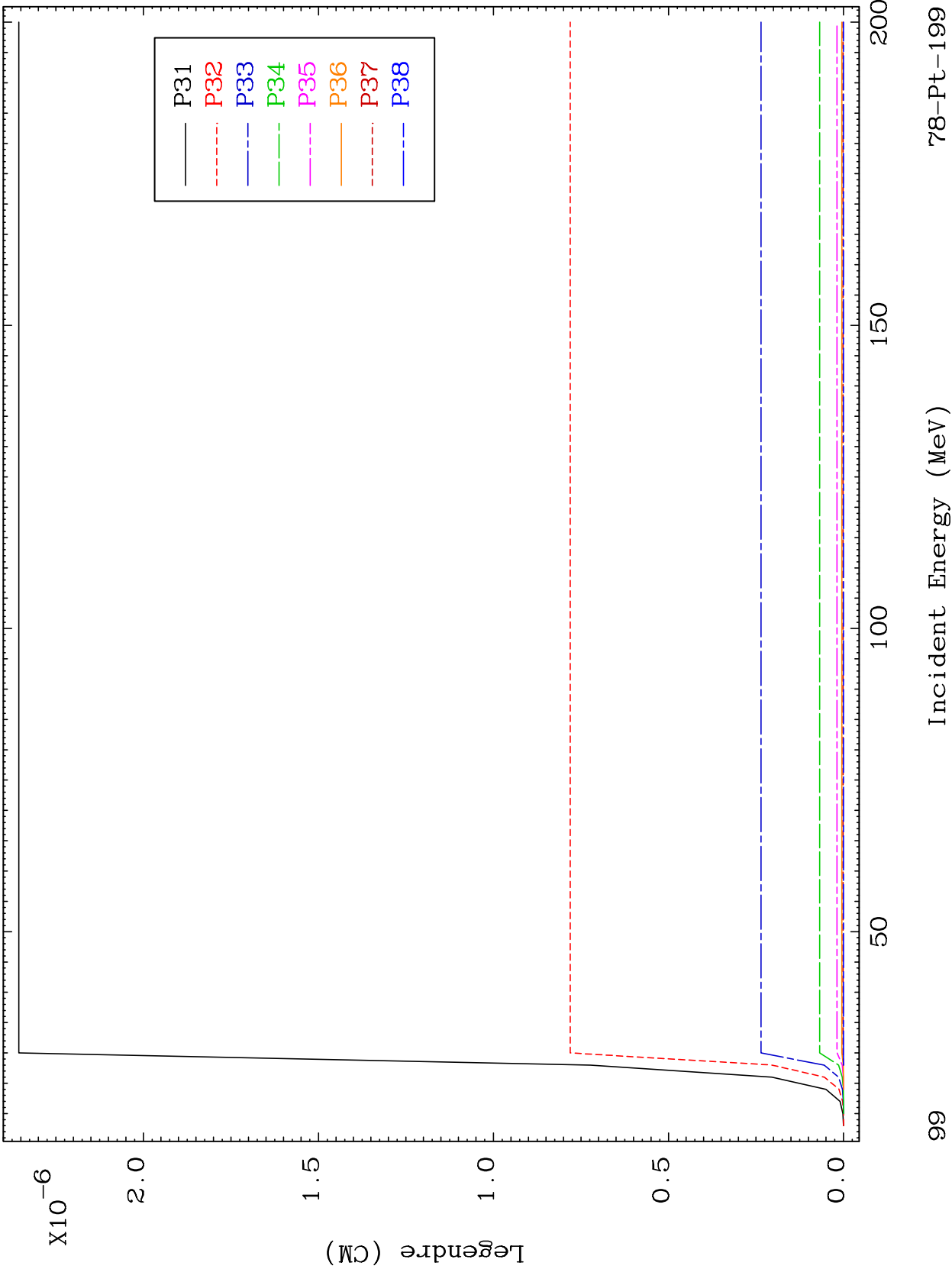
Incident Energy (MeV)

78-Pt-199

MAT 7852

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

78-Pt-199



99

Incident Energy (MeV)

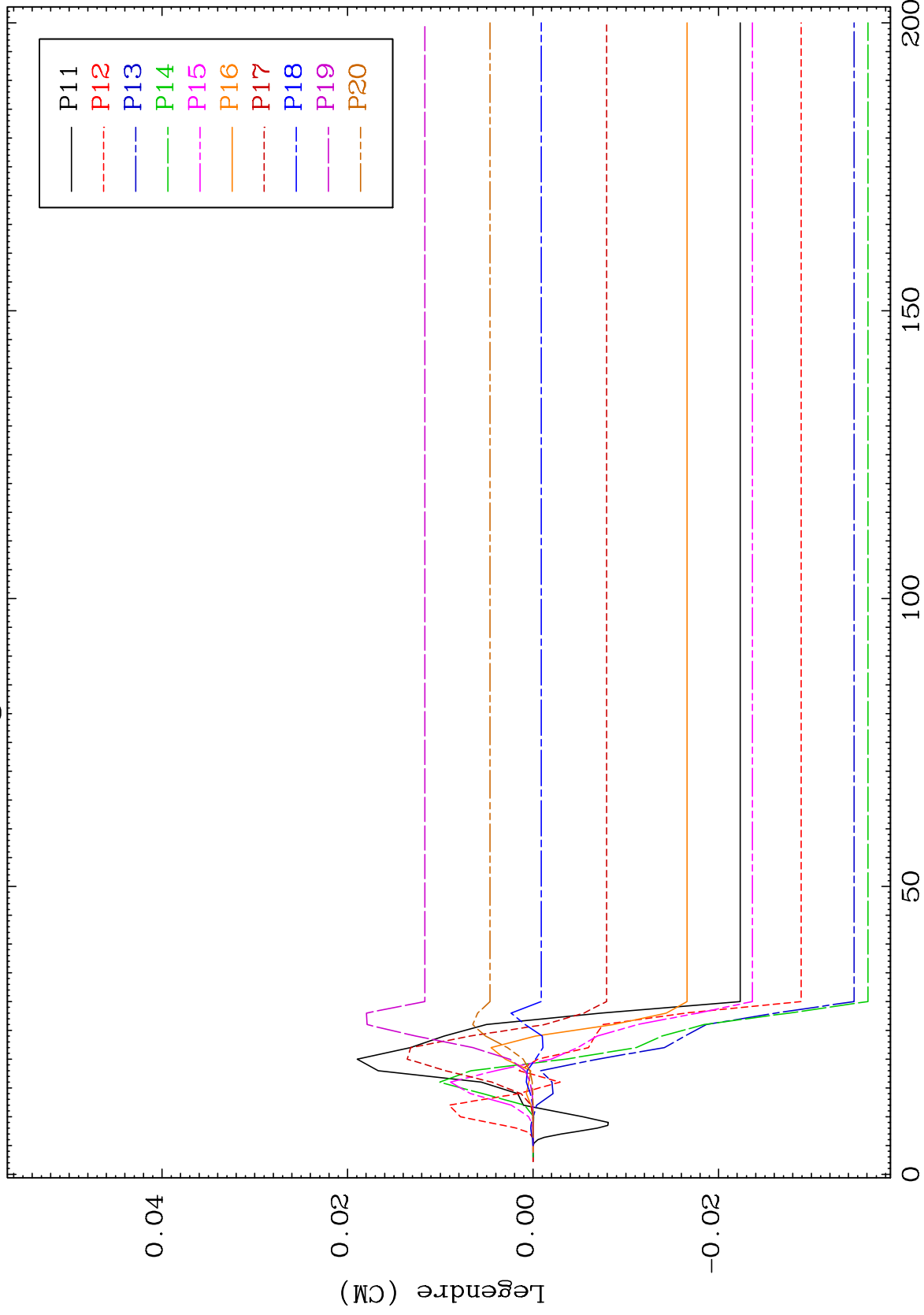
78-Pt-199



MAT 7852

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

78-Pt-199



101

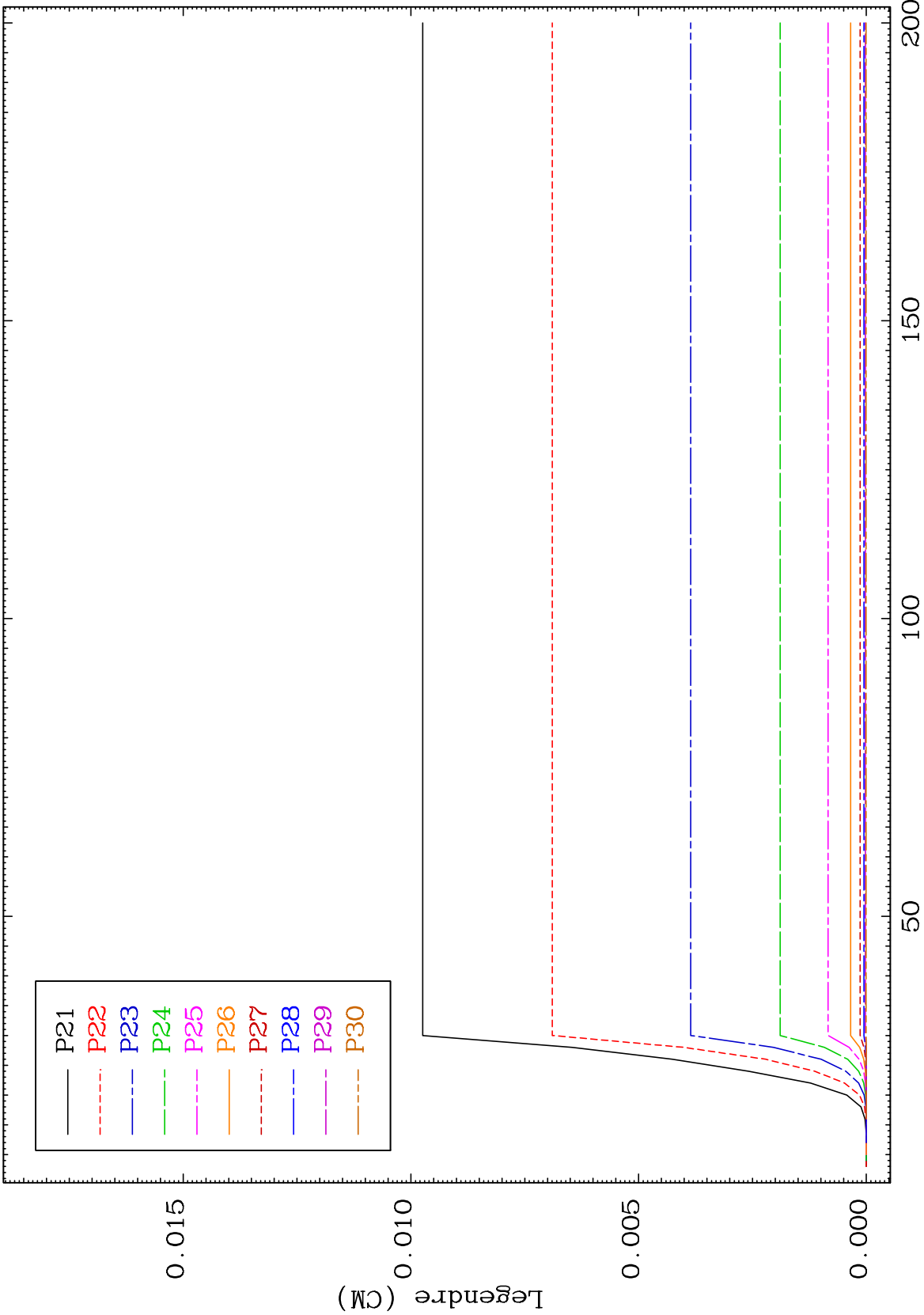
Incident Energy (MeV)

78-Pt-199

MAT 7852

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

78-Pt-199



102

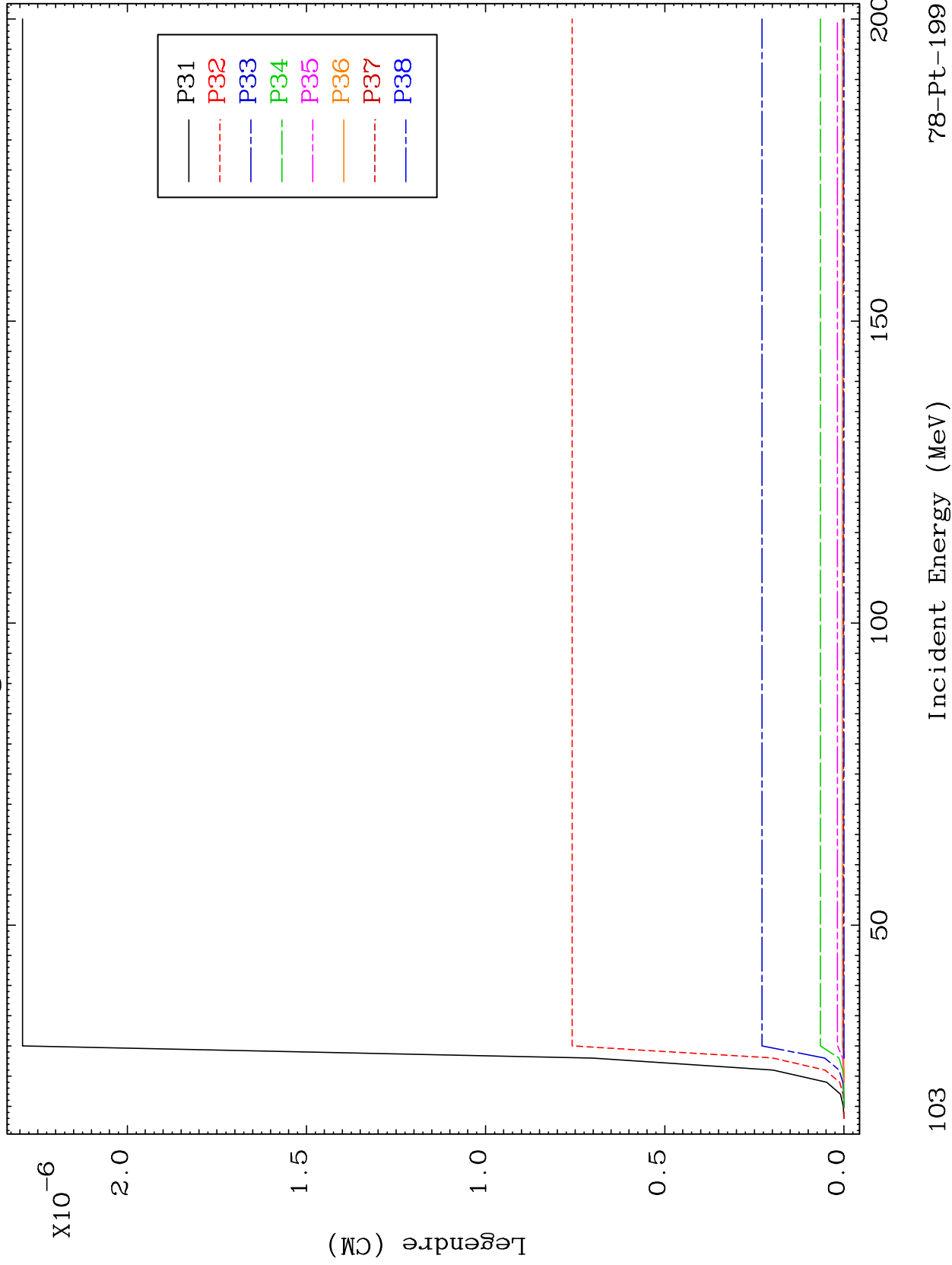
Incident Energy (MeV)

78-Pt-199

MAT 7852

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

78-Pt-199

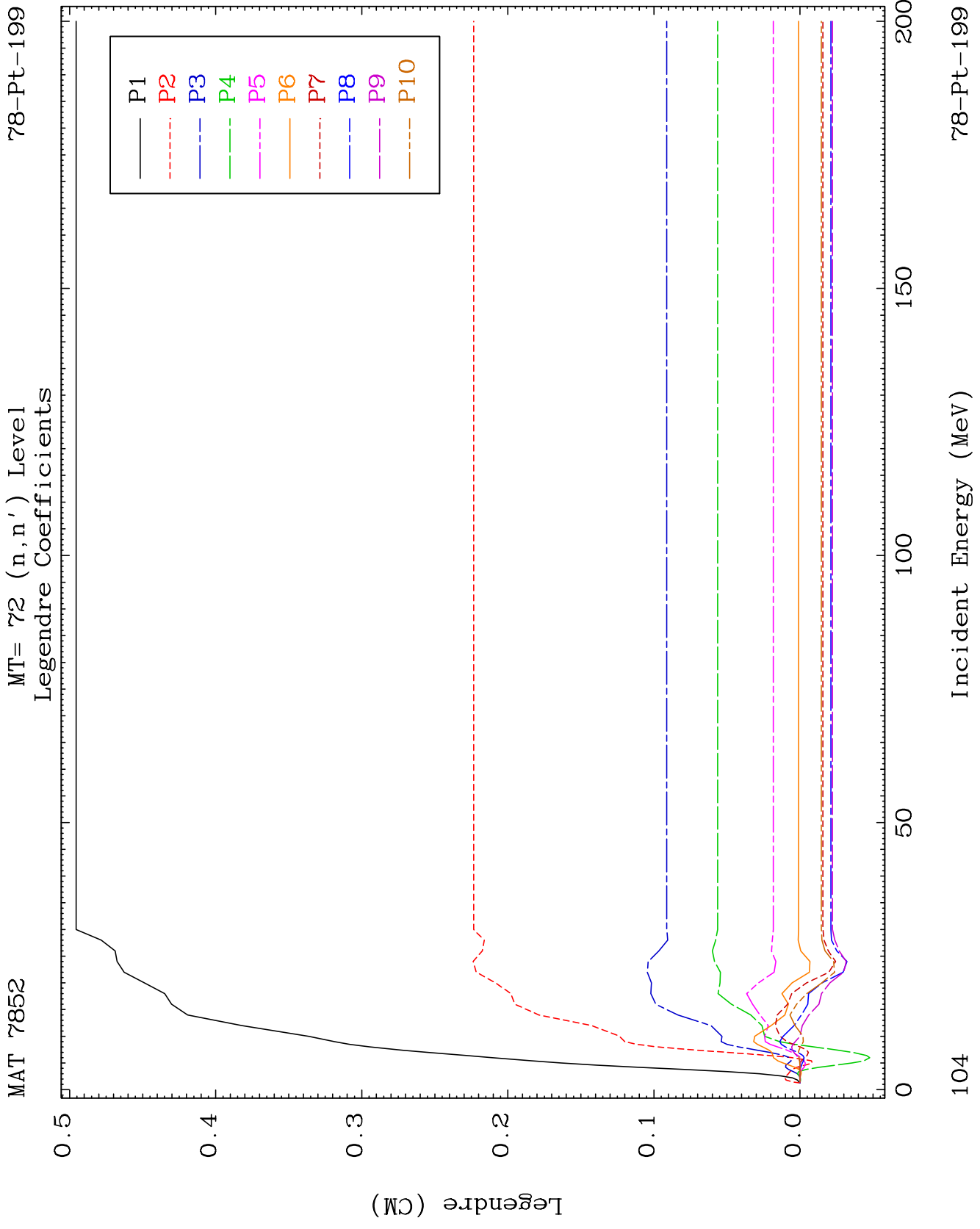


103

Incident Energy (MeV)

78-Pt-199

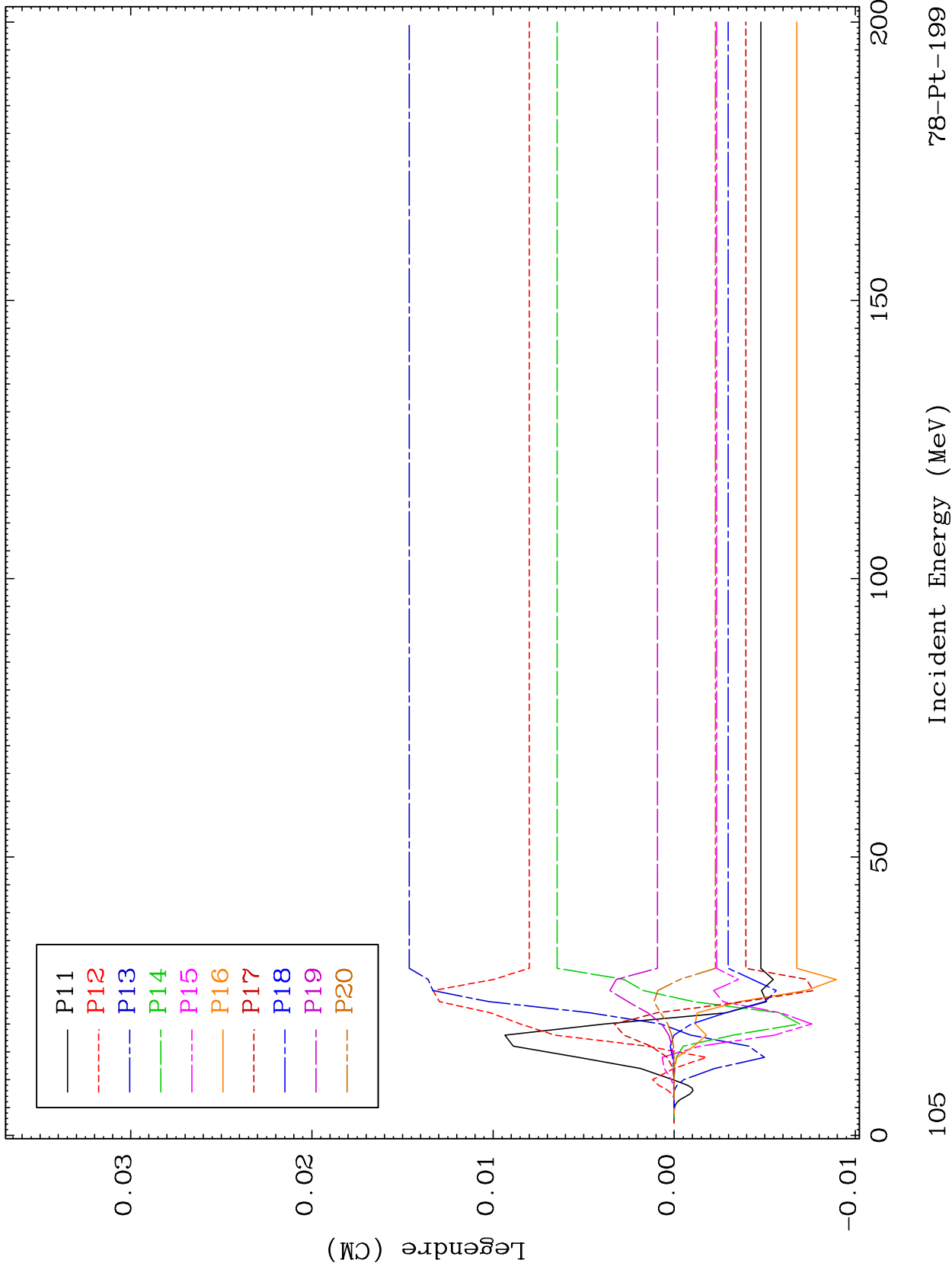


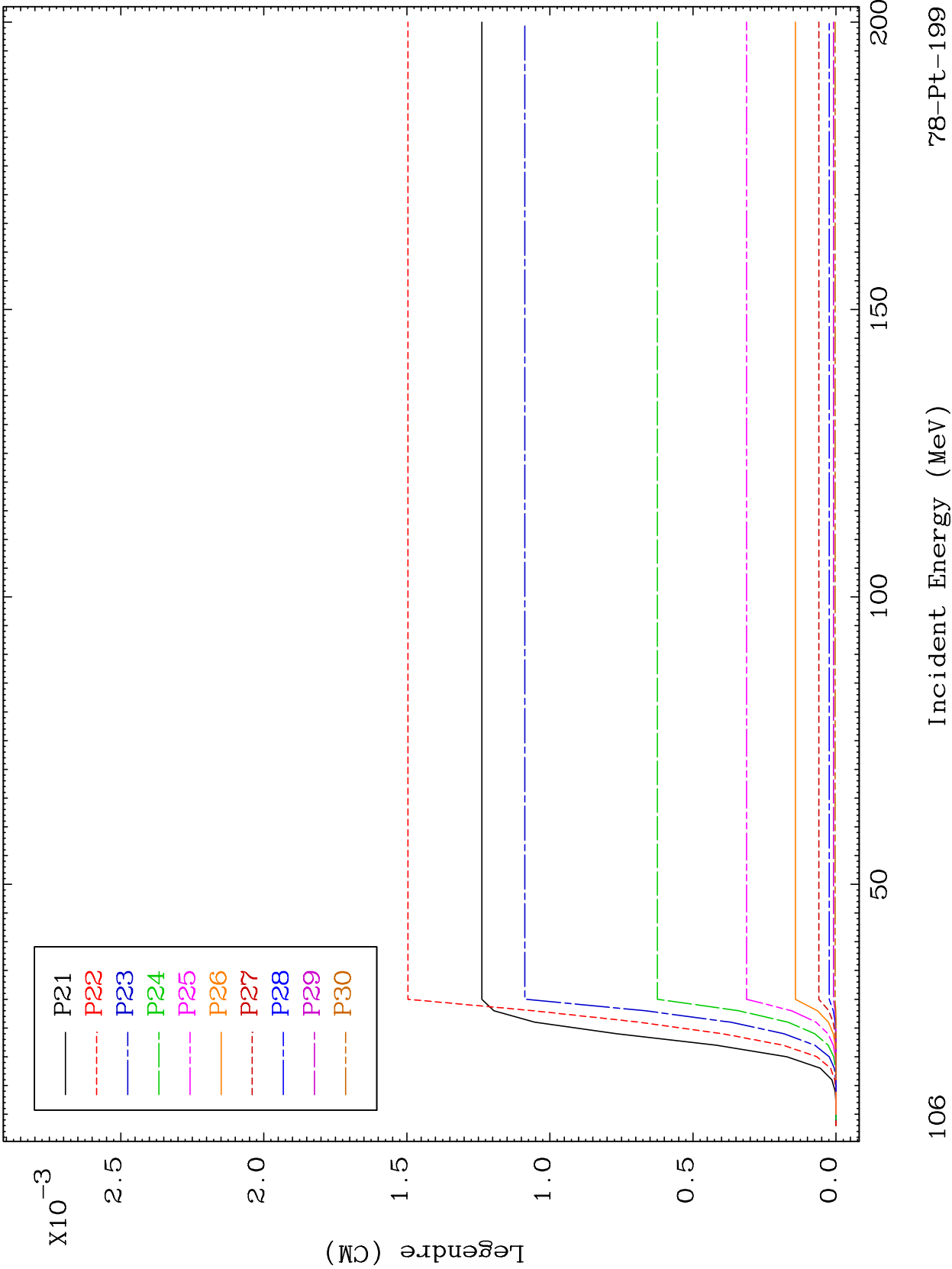


MAT 7852

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

78-Pt-199

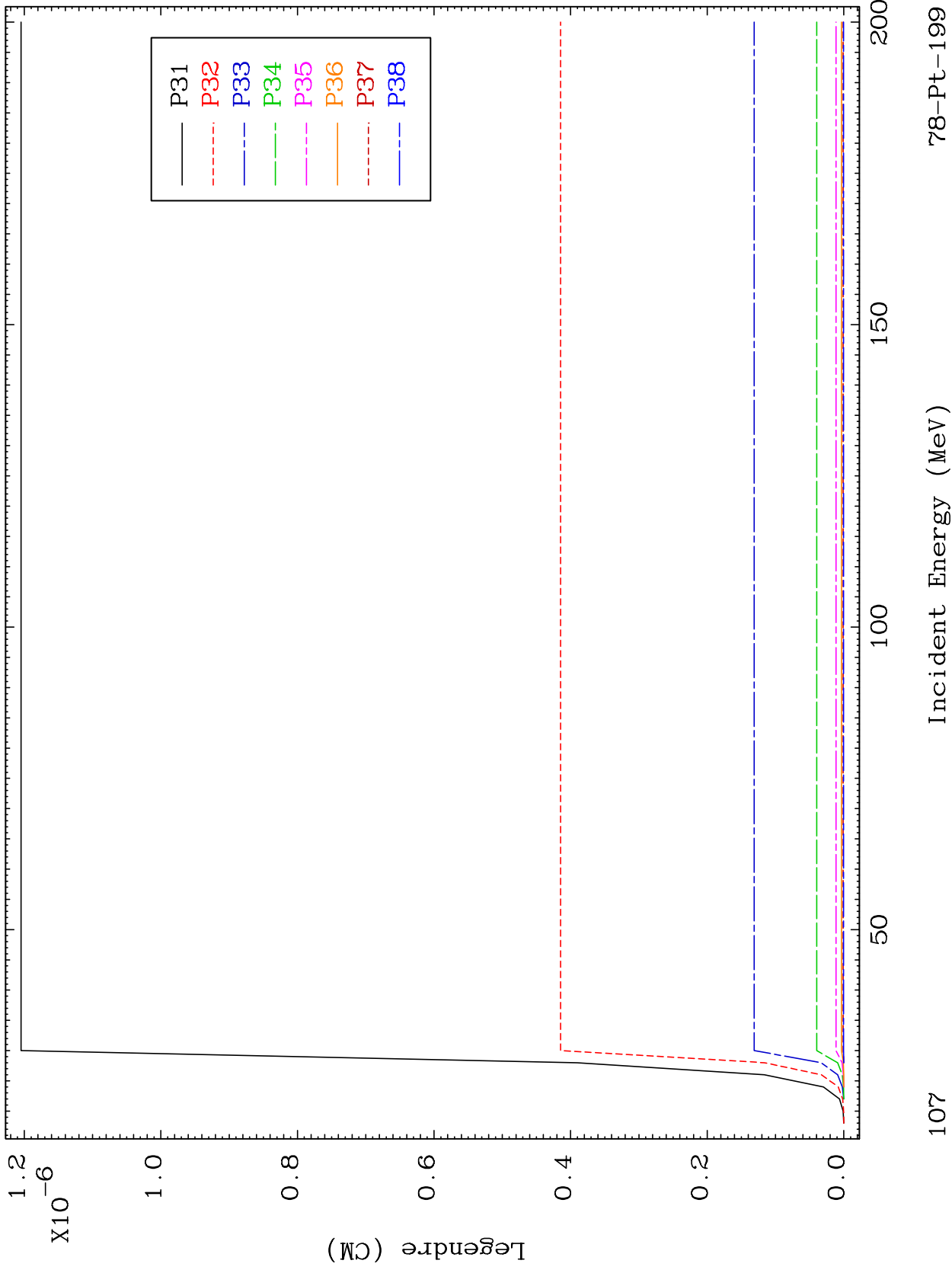




MAT 7852

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

78-Pt-199



107

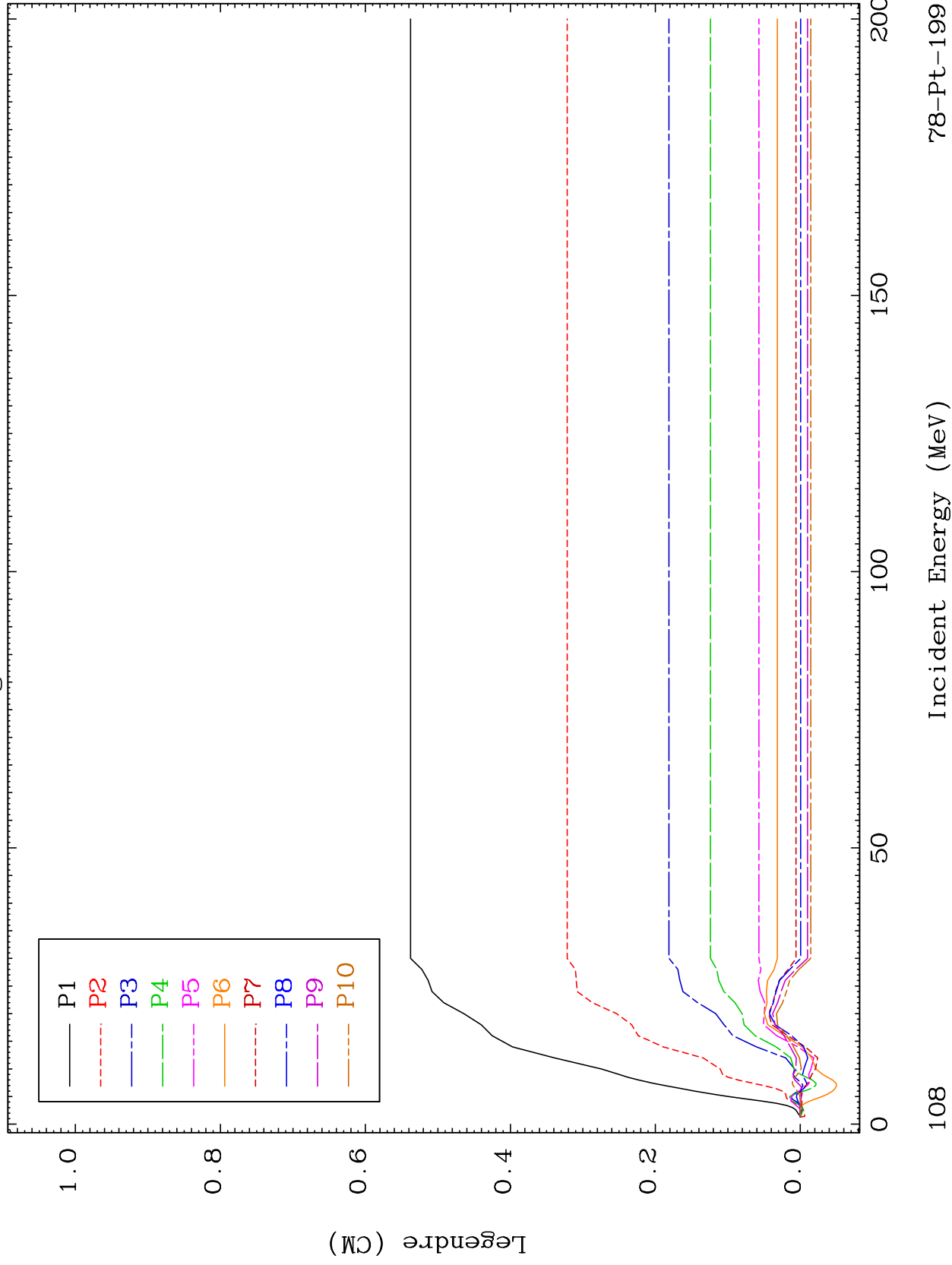
Incident Energy (MeV)

78-Pt-199

MAT 7852

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

78-Pt-199

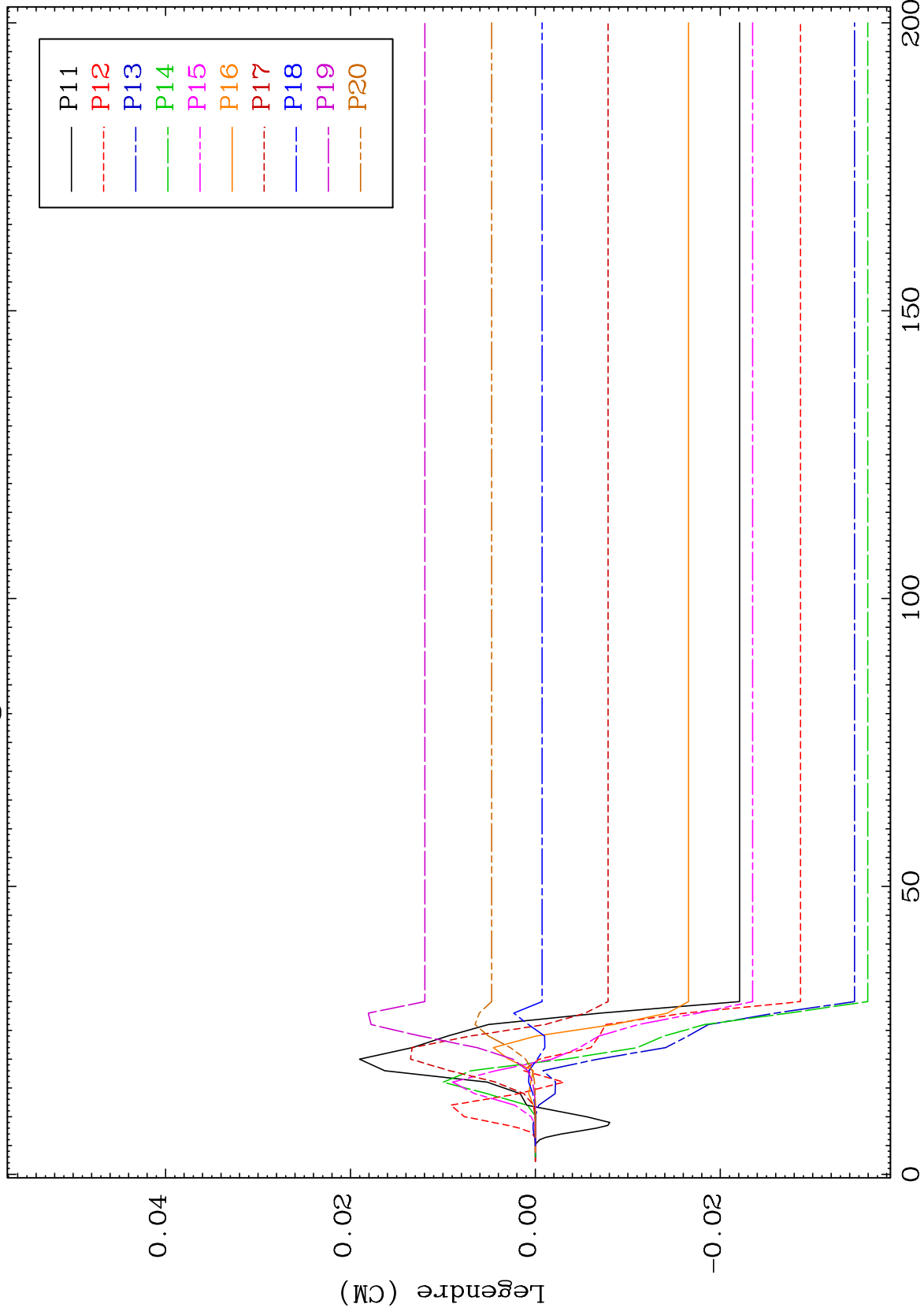


108

MAT 7852

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

78-Pt-199



109

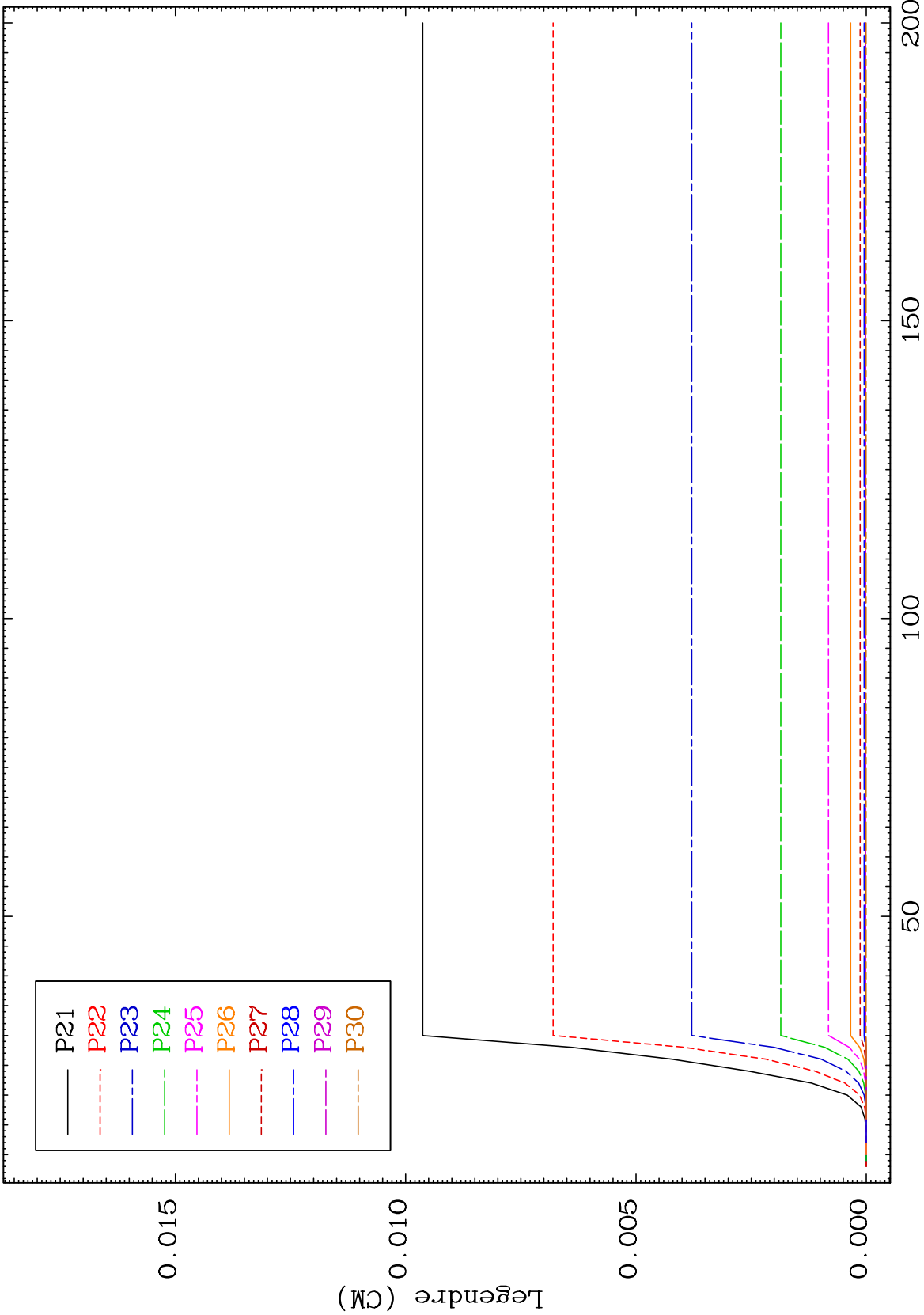
Incident Energy (MeV)

78-Pt-199

MAT 7852

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

78-Pt-199



110

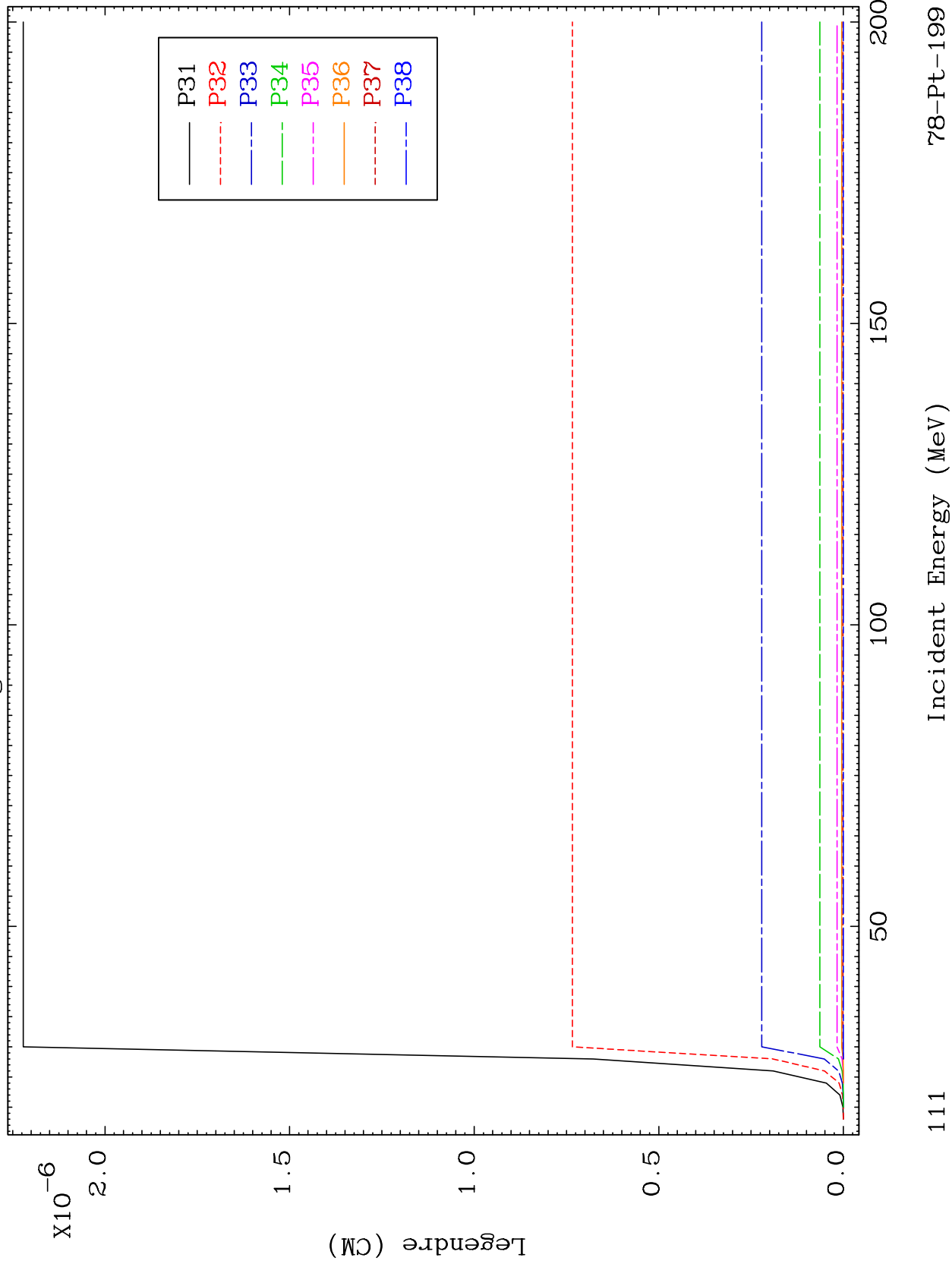
Incident Energy (MeV)

78-Pt-199

MAT 7852

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

78-Pt-199



111

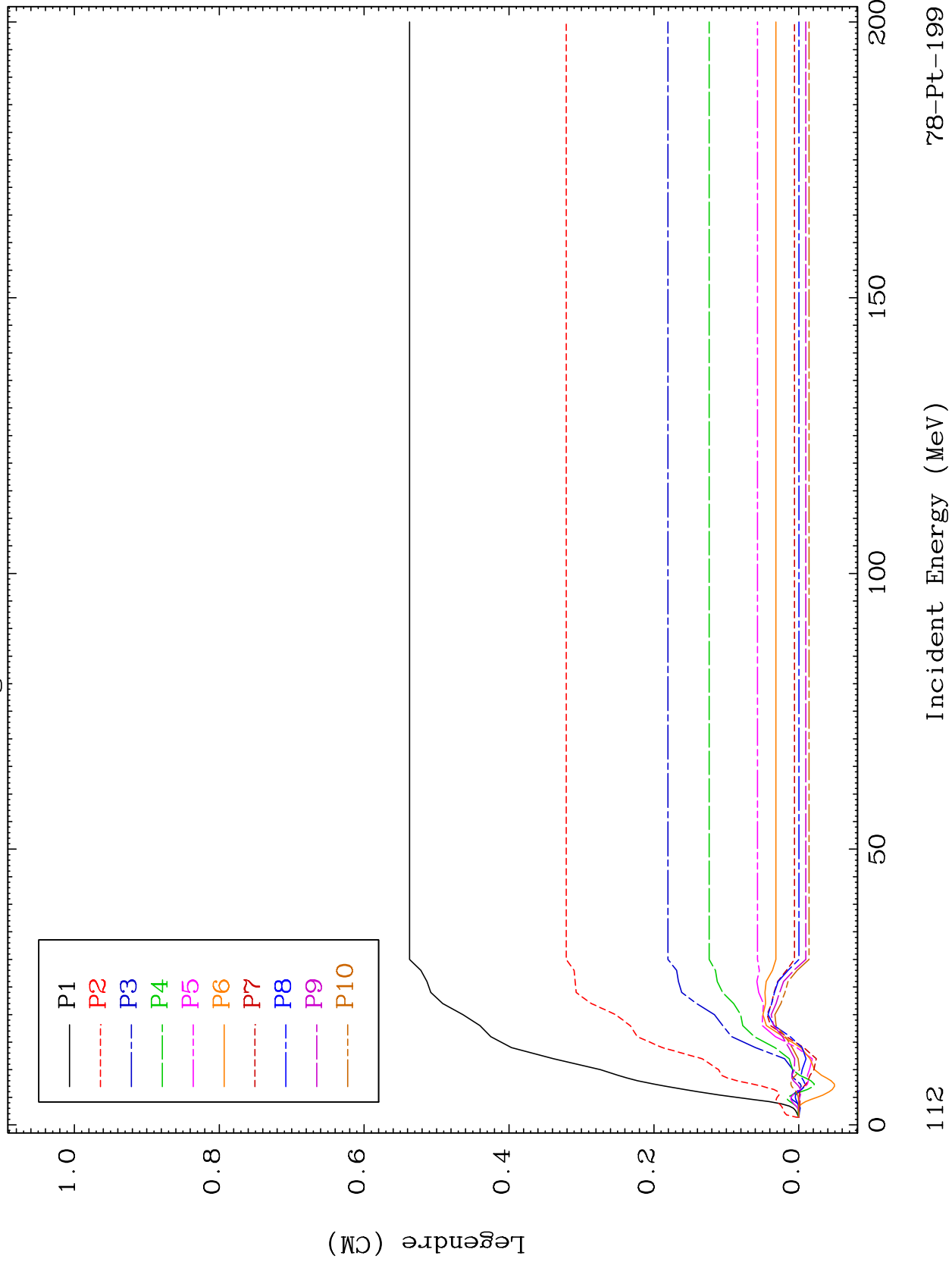
78-Pt-199



MAT 7852

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

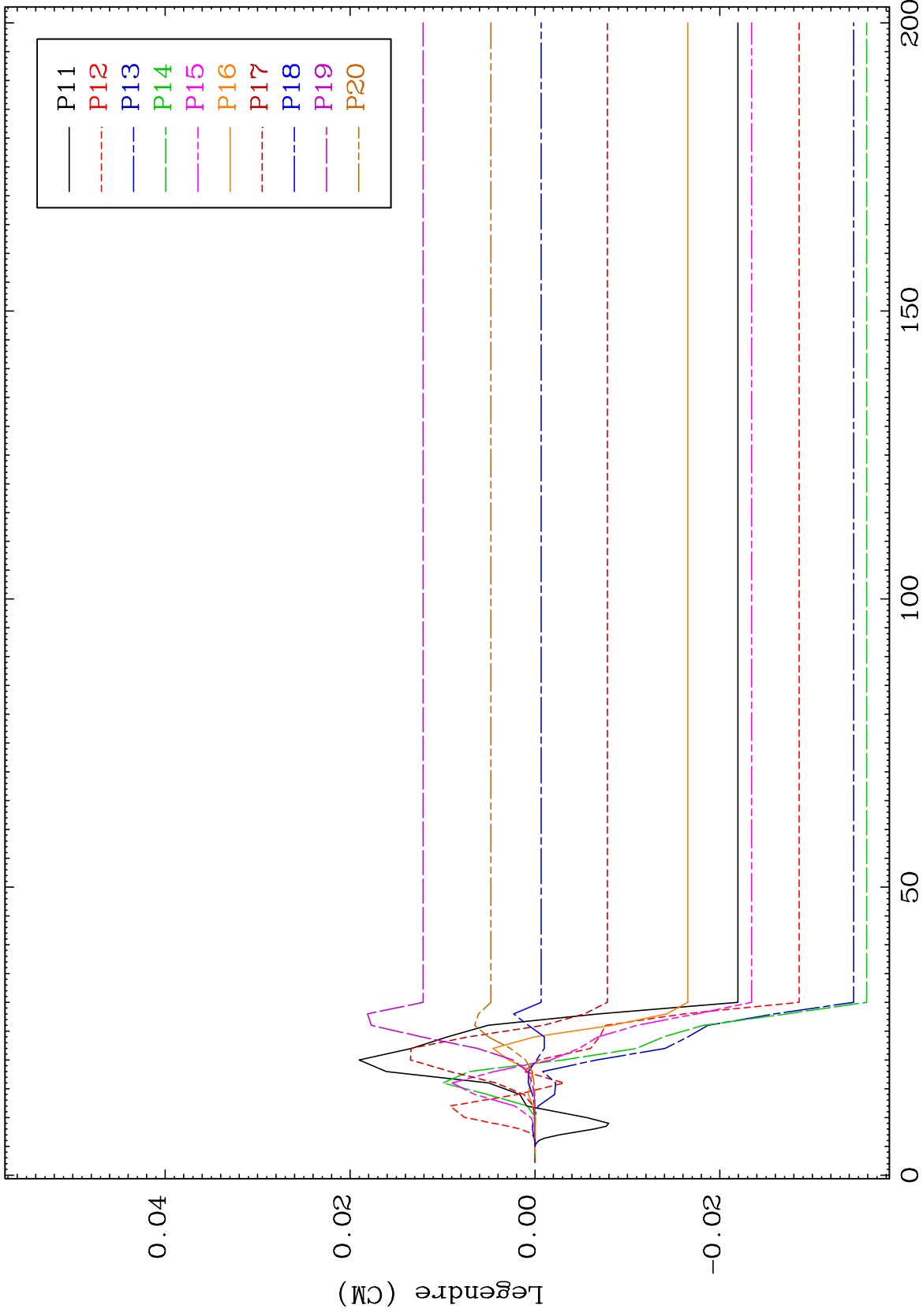
78-Pt-199



MAT 7852

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

78-Pt-199



113

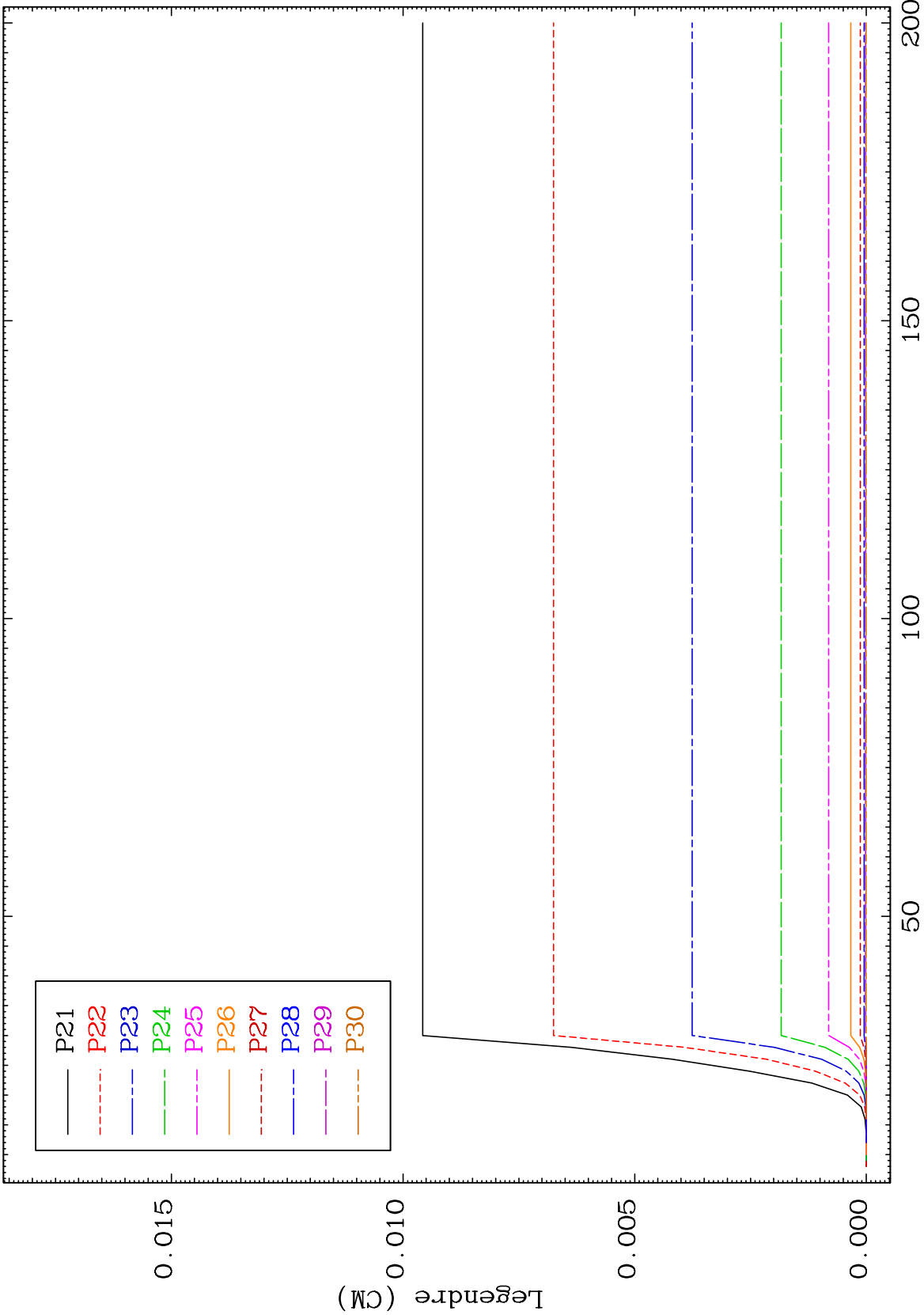
Incident Energy (MeV)

78-Pt-199

MAT 7852

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

78-Pt-199



114

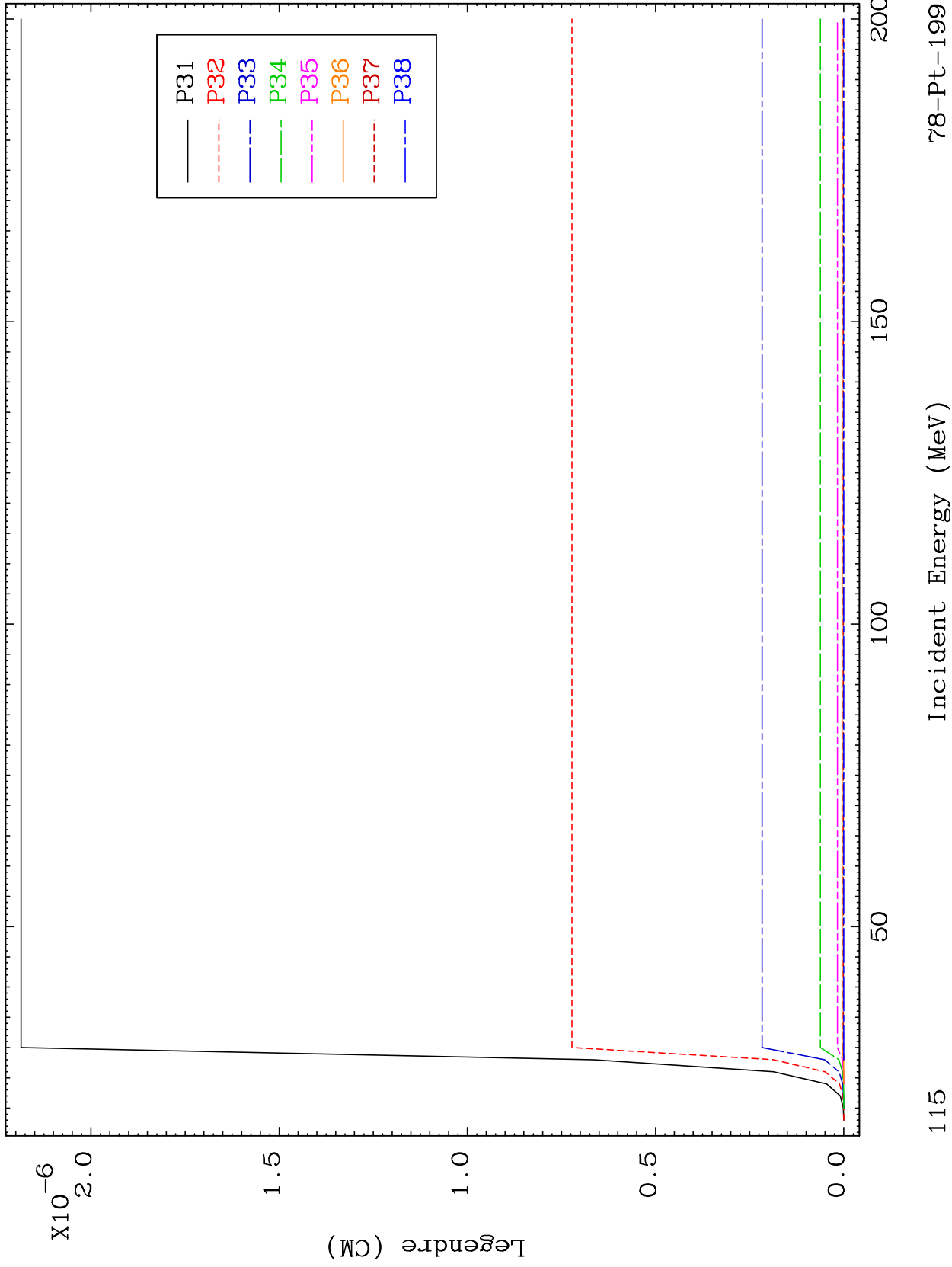
Incident Energy (MeV)

78-Pt-199

MAT 7852

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

78-Pt-199



115

Incident Energy (MeV)

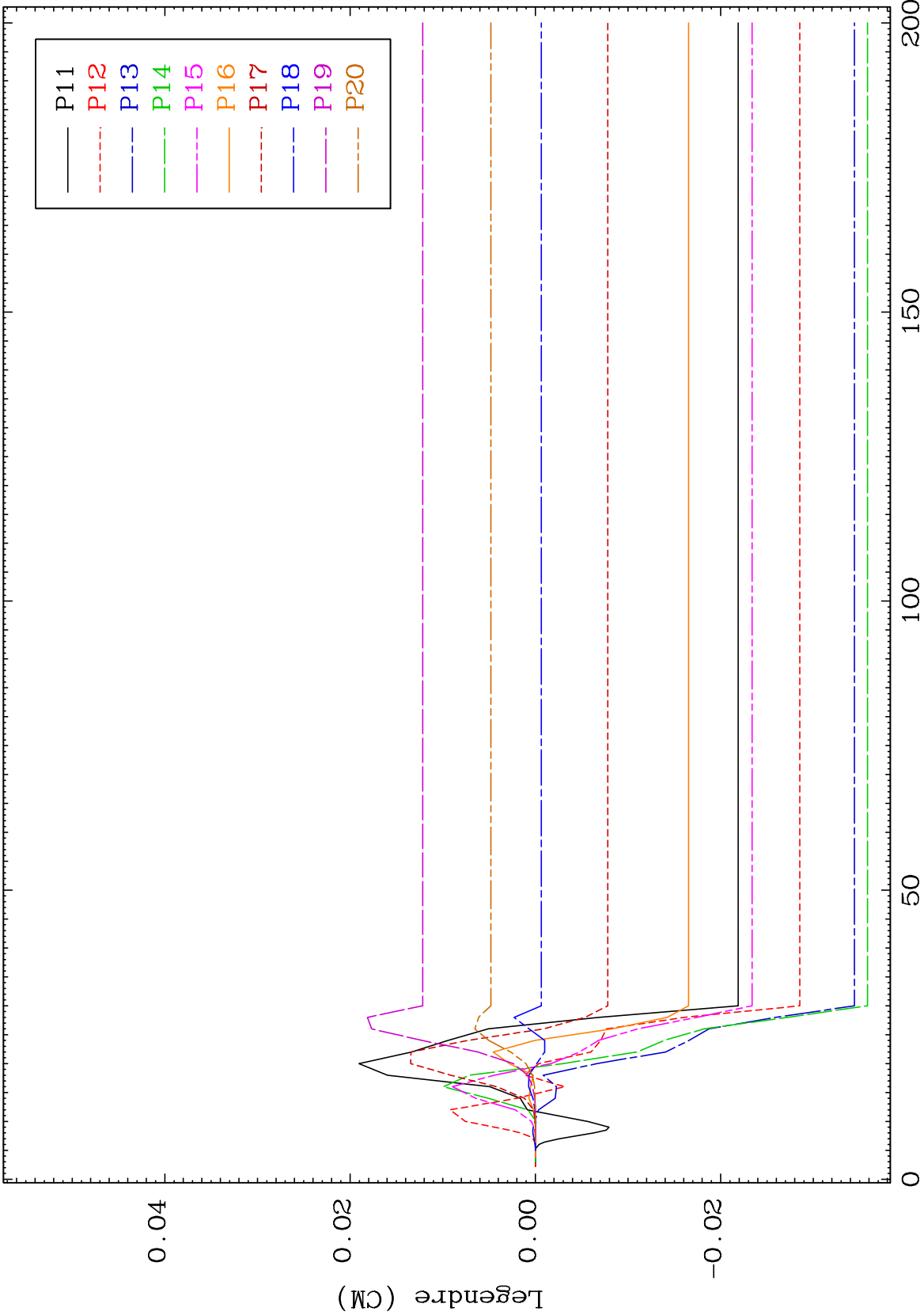
78-Pt-199



MAT 7852

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

78-Pt-199



117

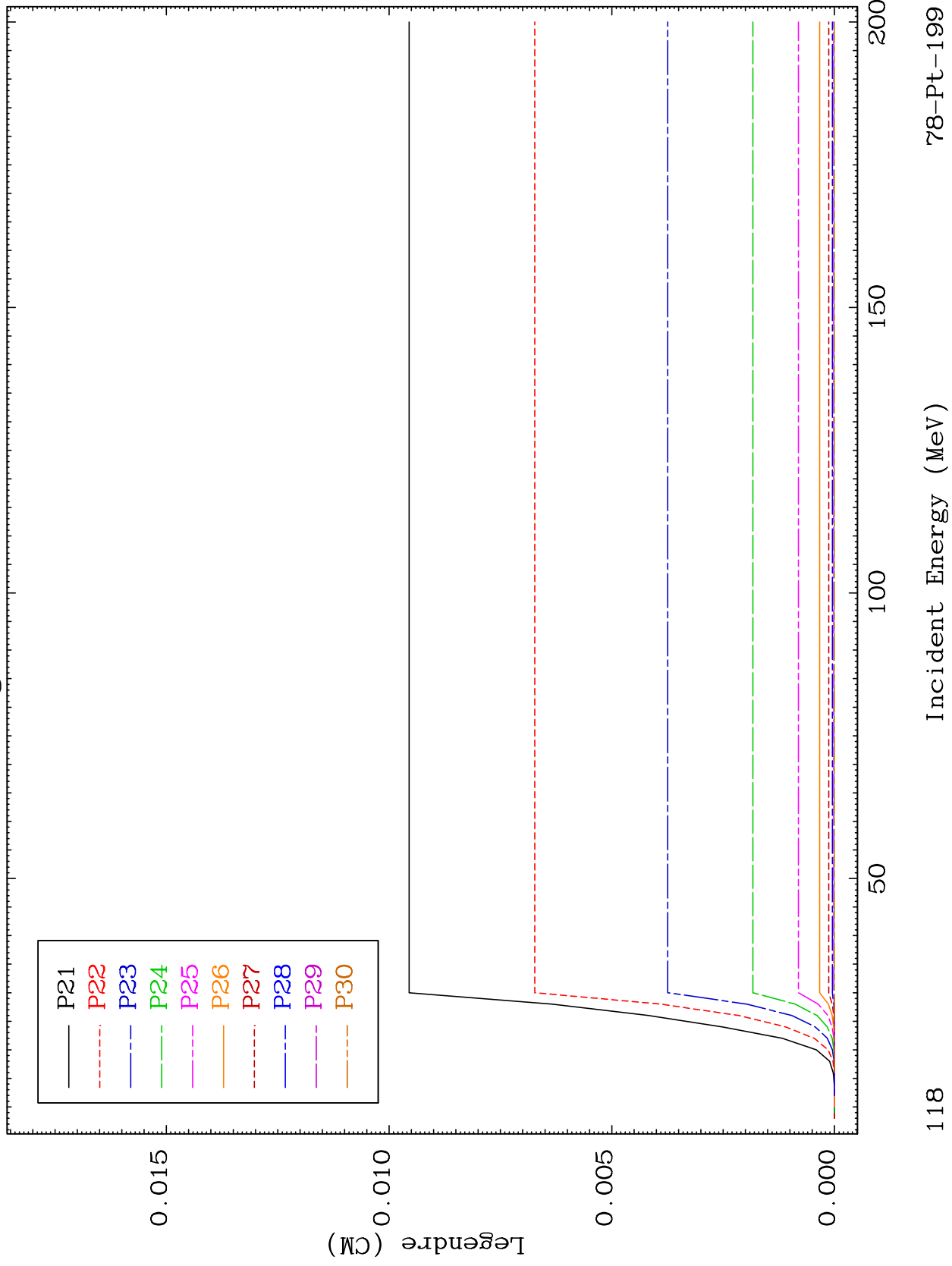
Incident Energy (MeV)

78-Pt-199

MAT 7852

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

78-Pt-199



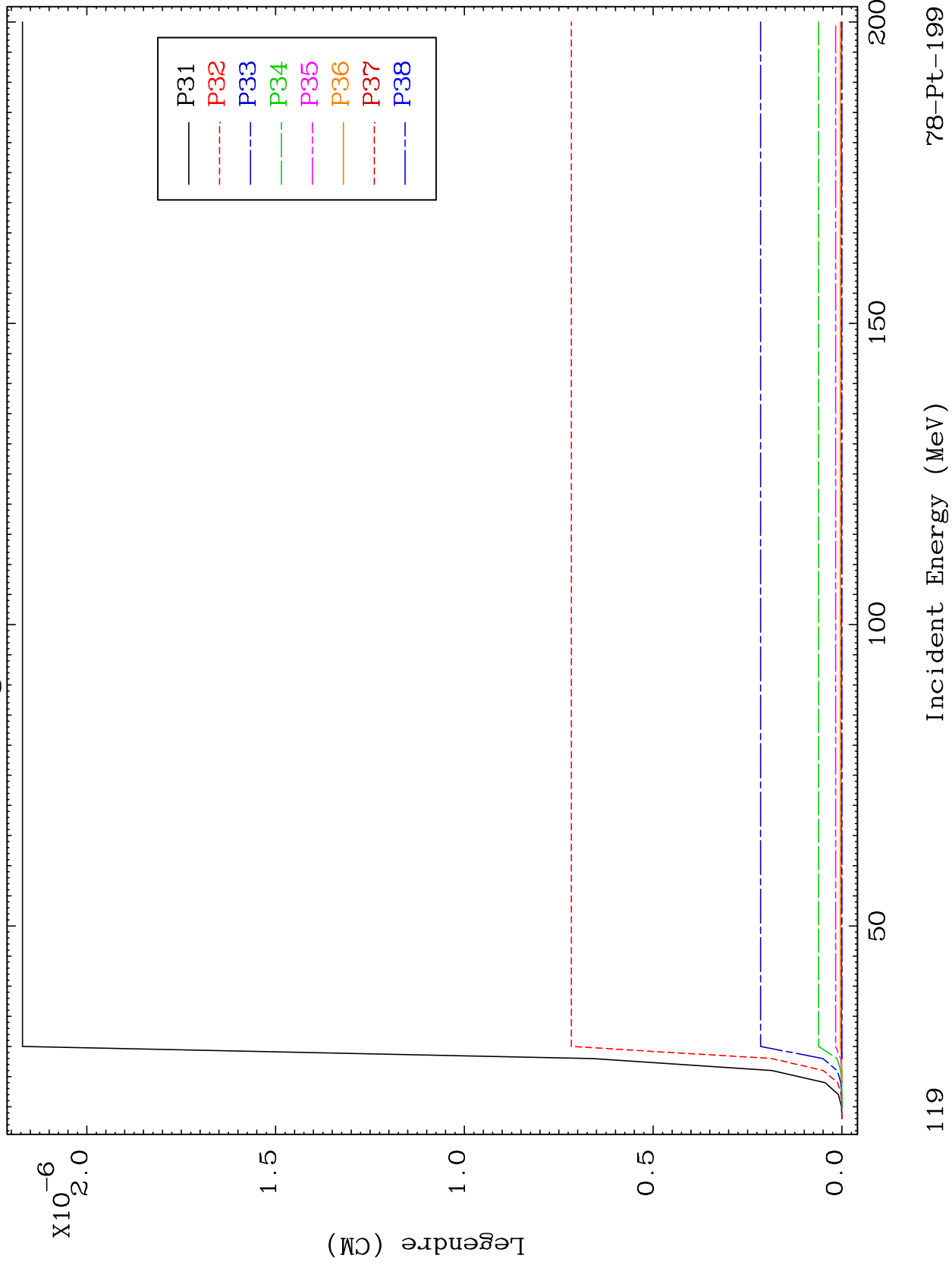
118

78-Pt-199

MAT 7852

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

78-Pt-199

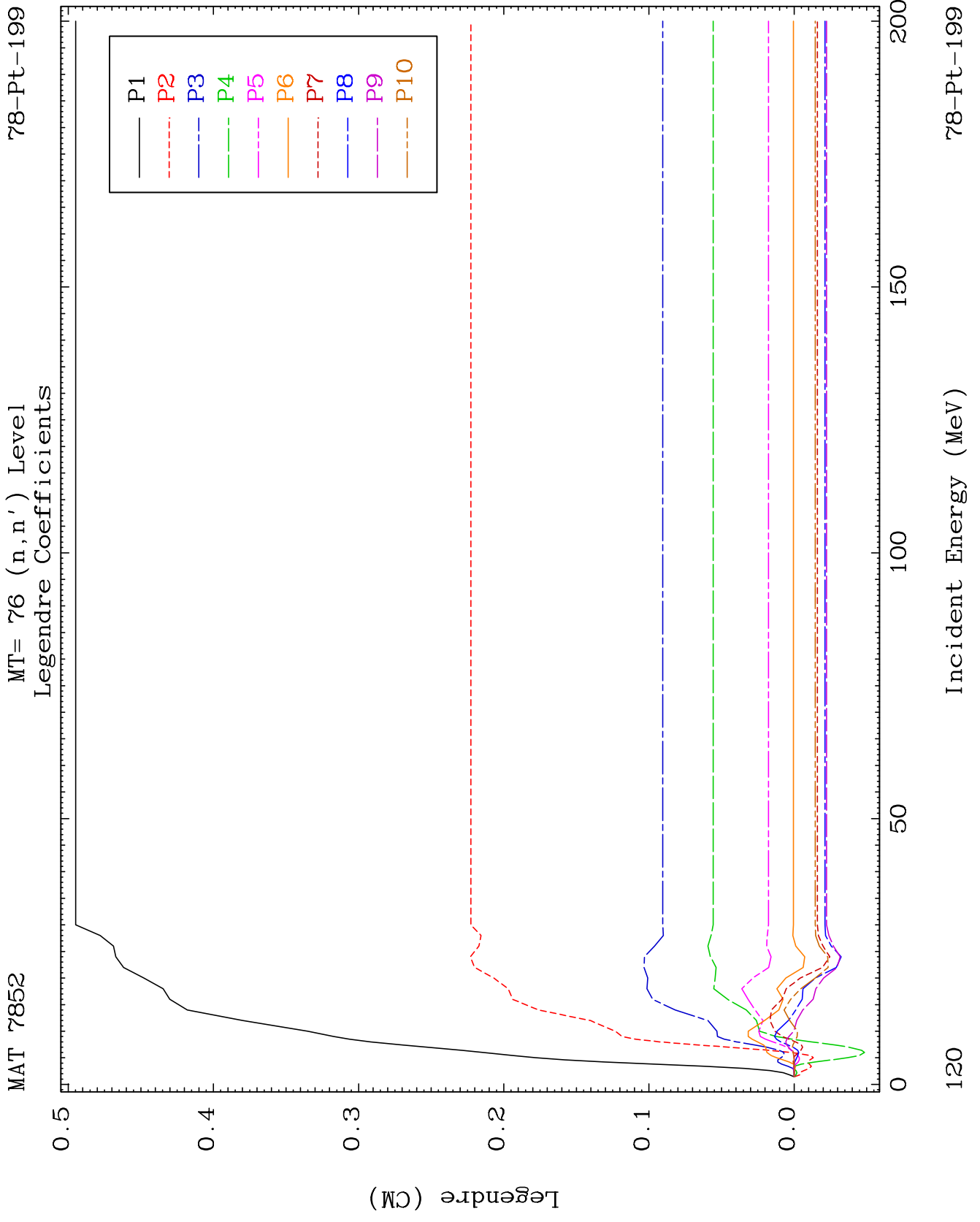


119

Incident Energy (MeV)

78-Pt-199

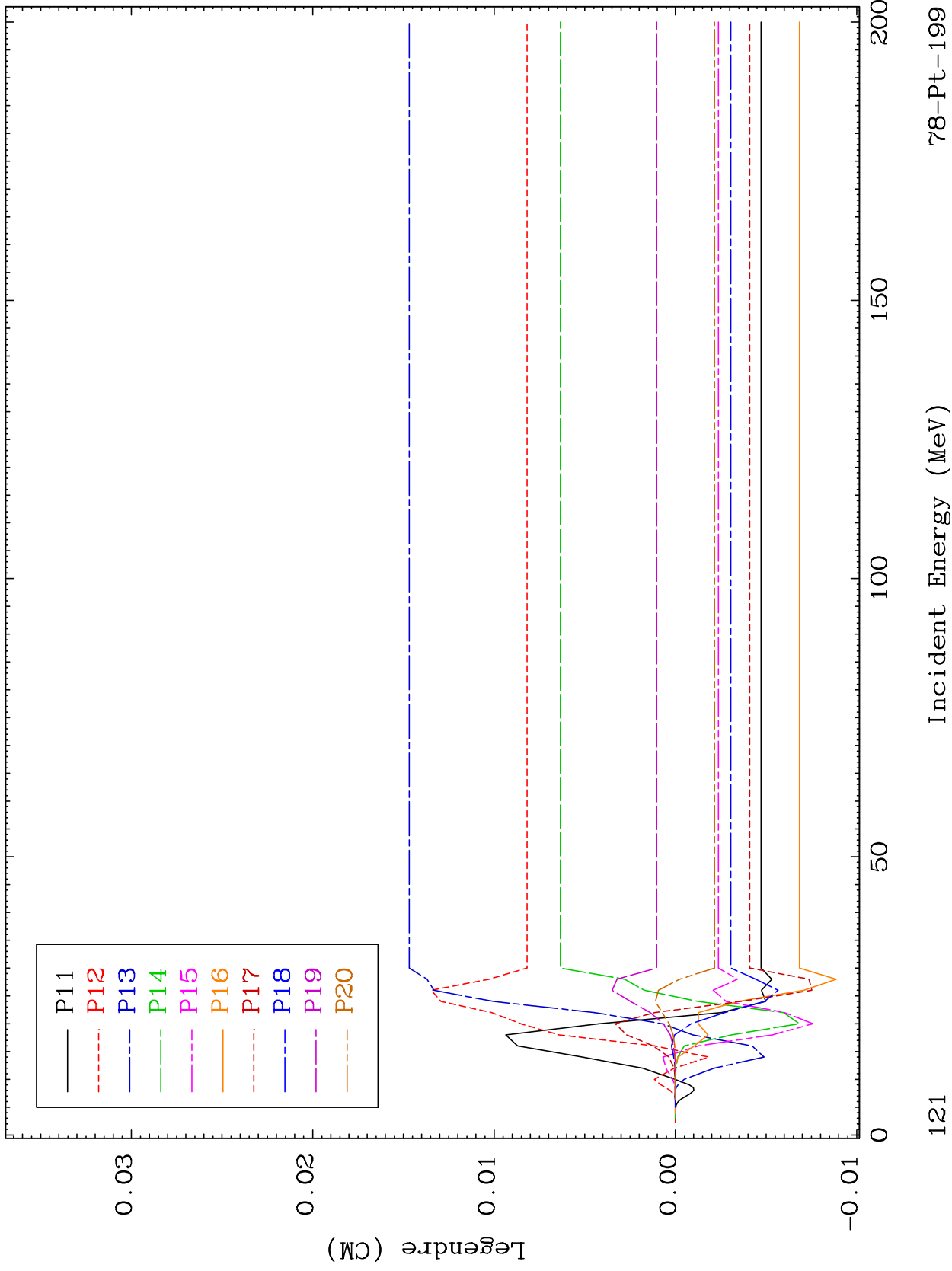




MAT 7852

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

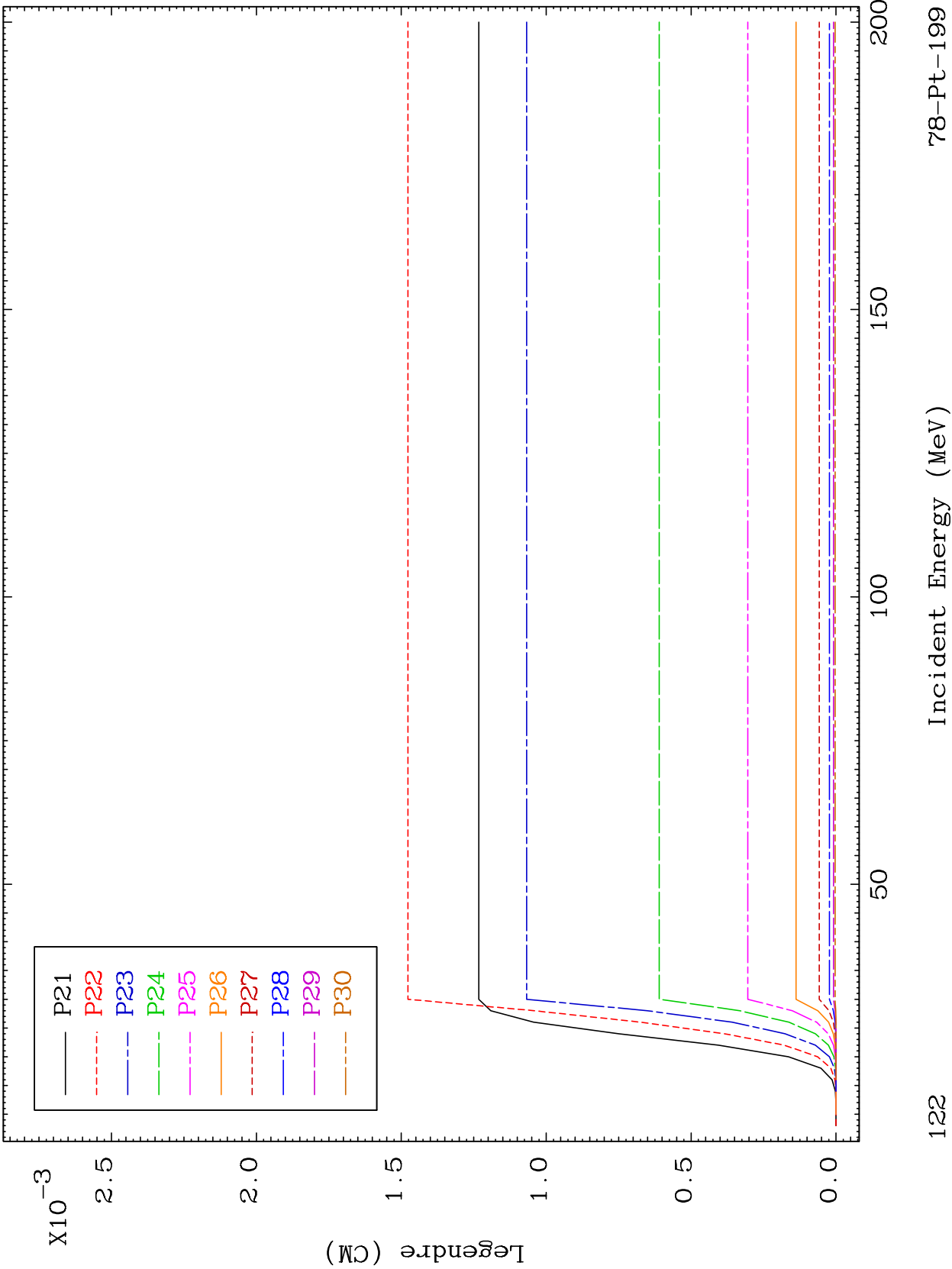
78-Pt-199



121

Incident Energy (MeV)

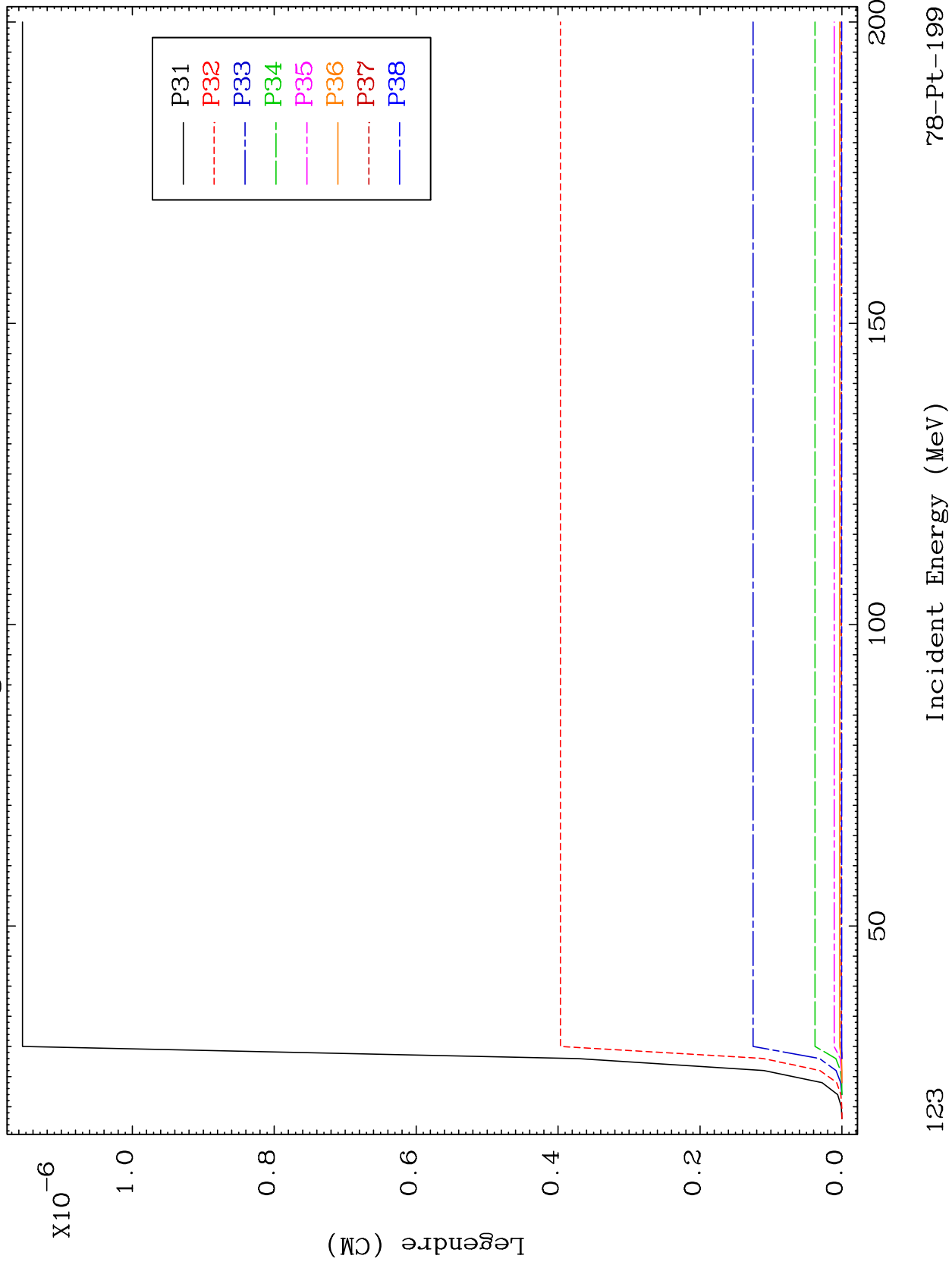
78-Pt-199



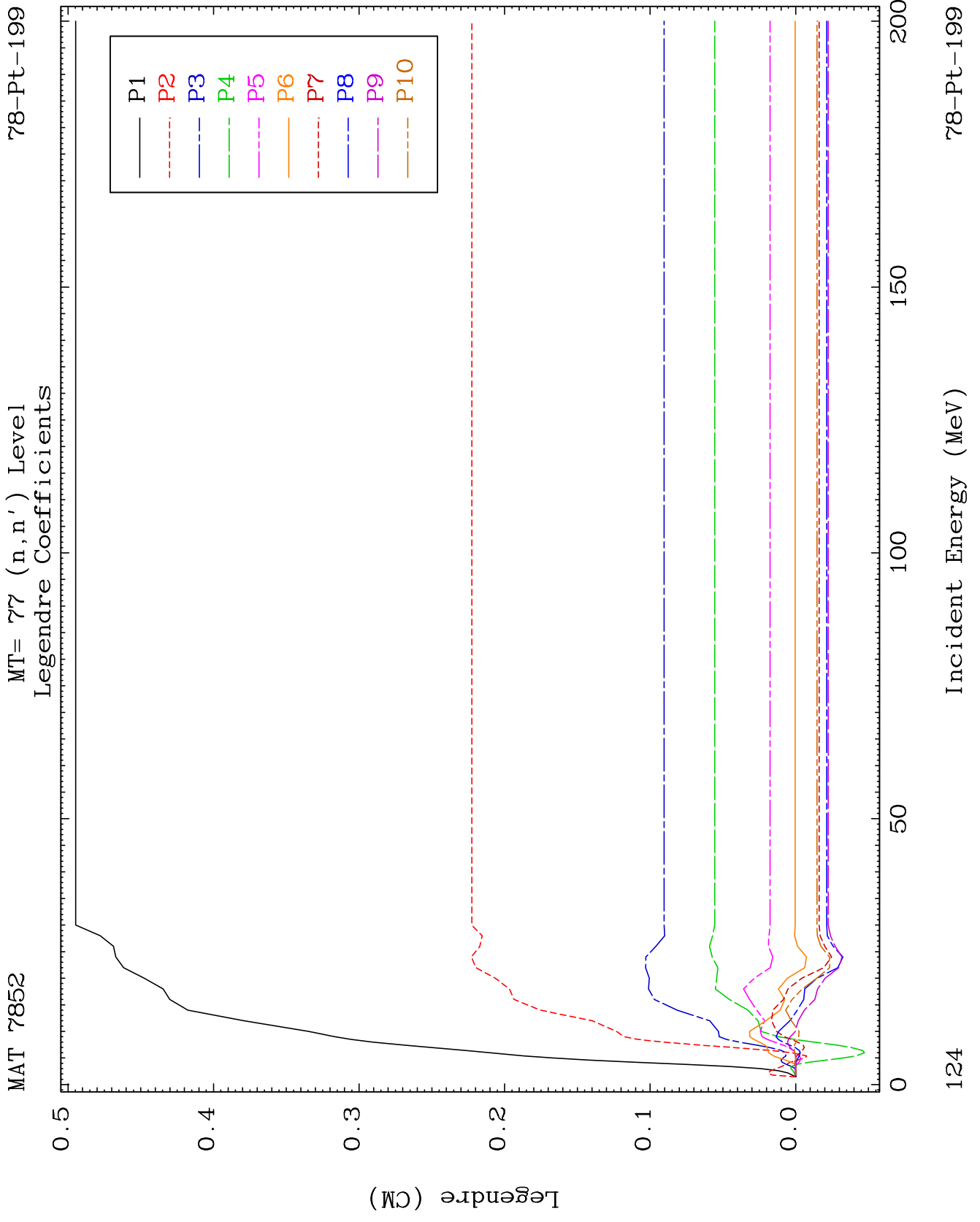
MAT 7852

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

78-Pt-199



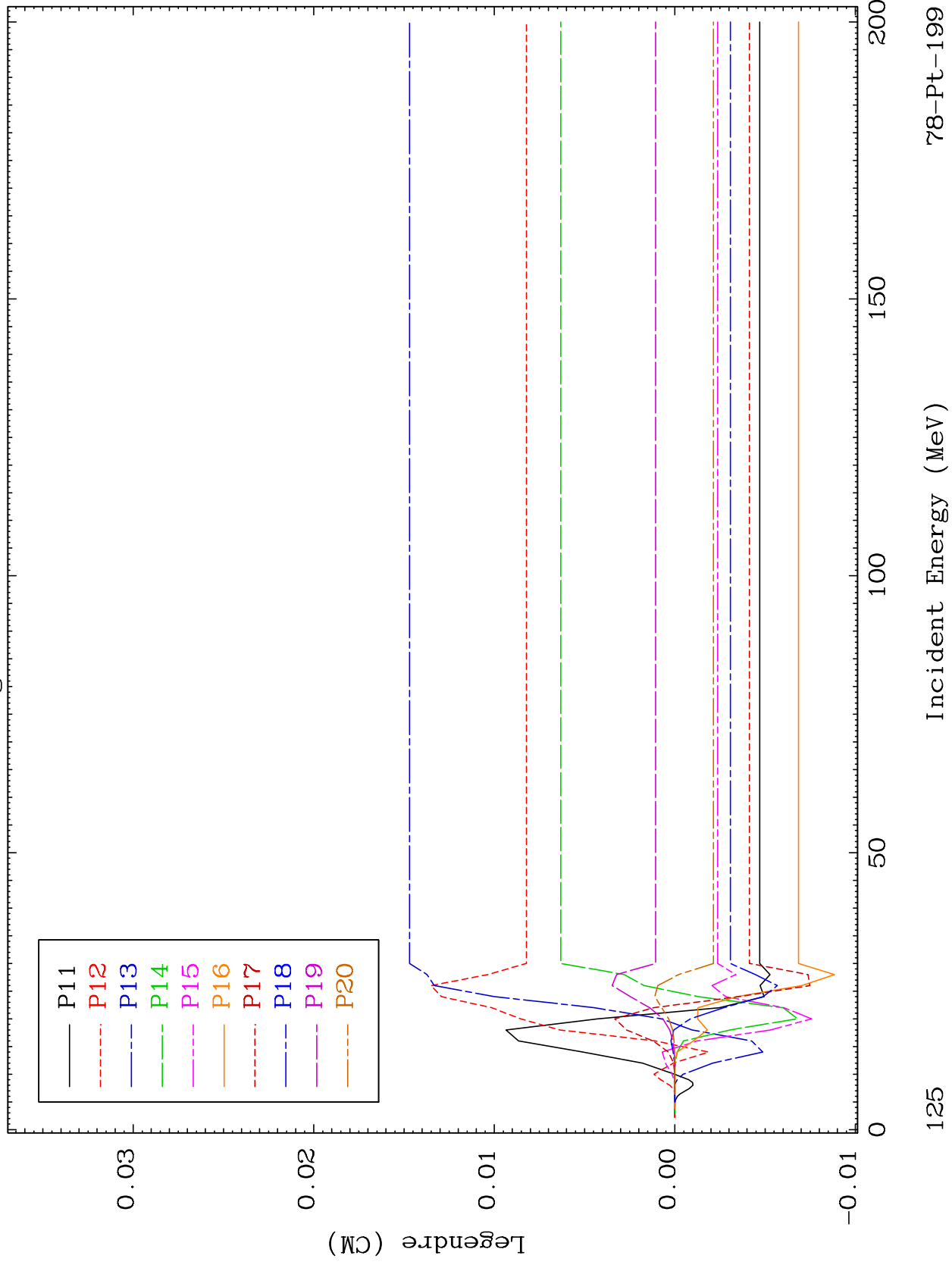
123



MAT 7852

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

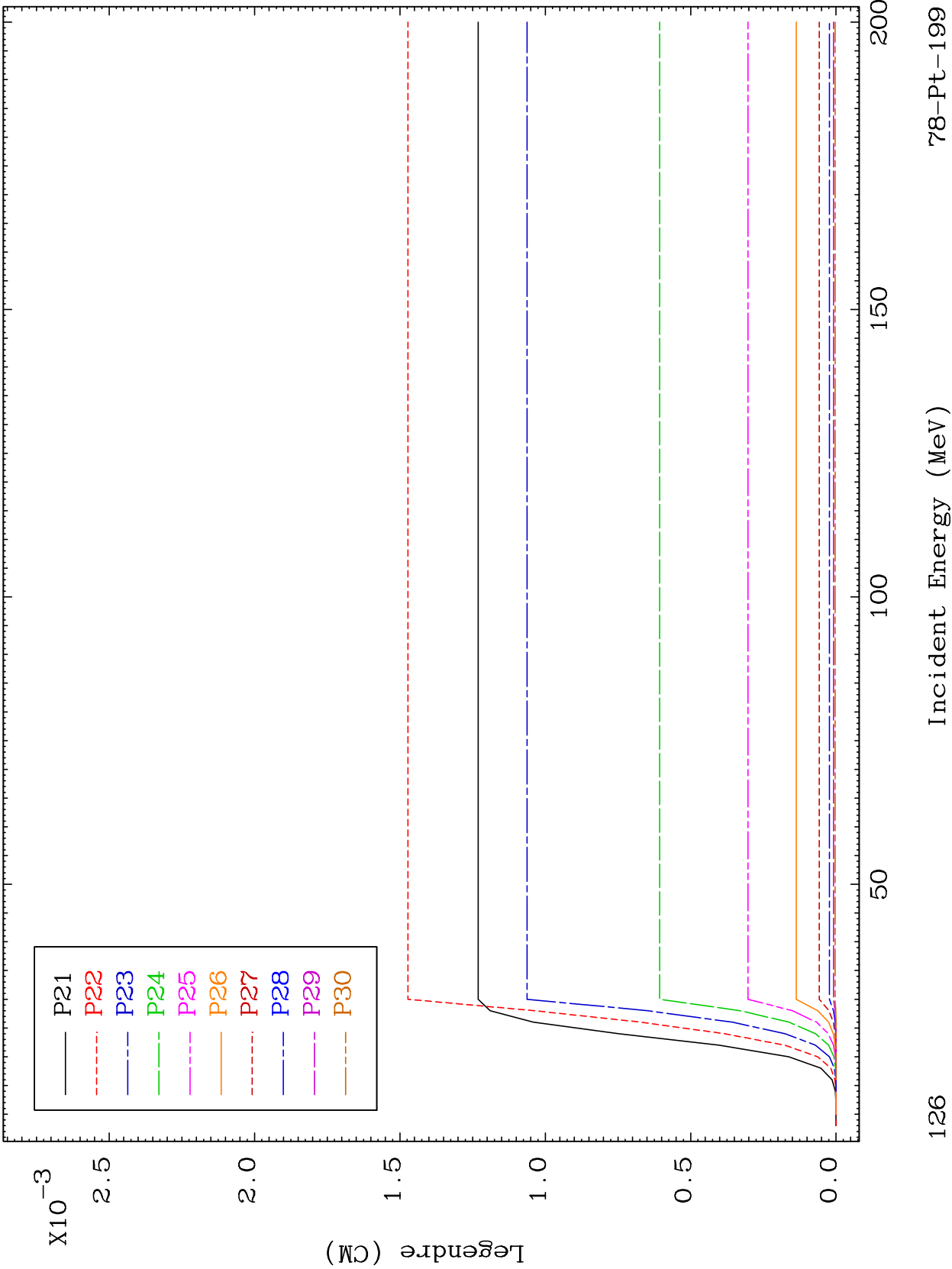
78-Pt-199



78-Pt-199

Incident Energy (MeV)

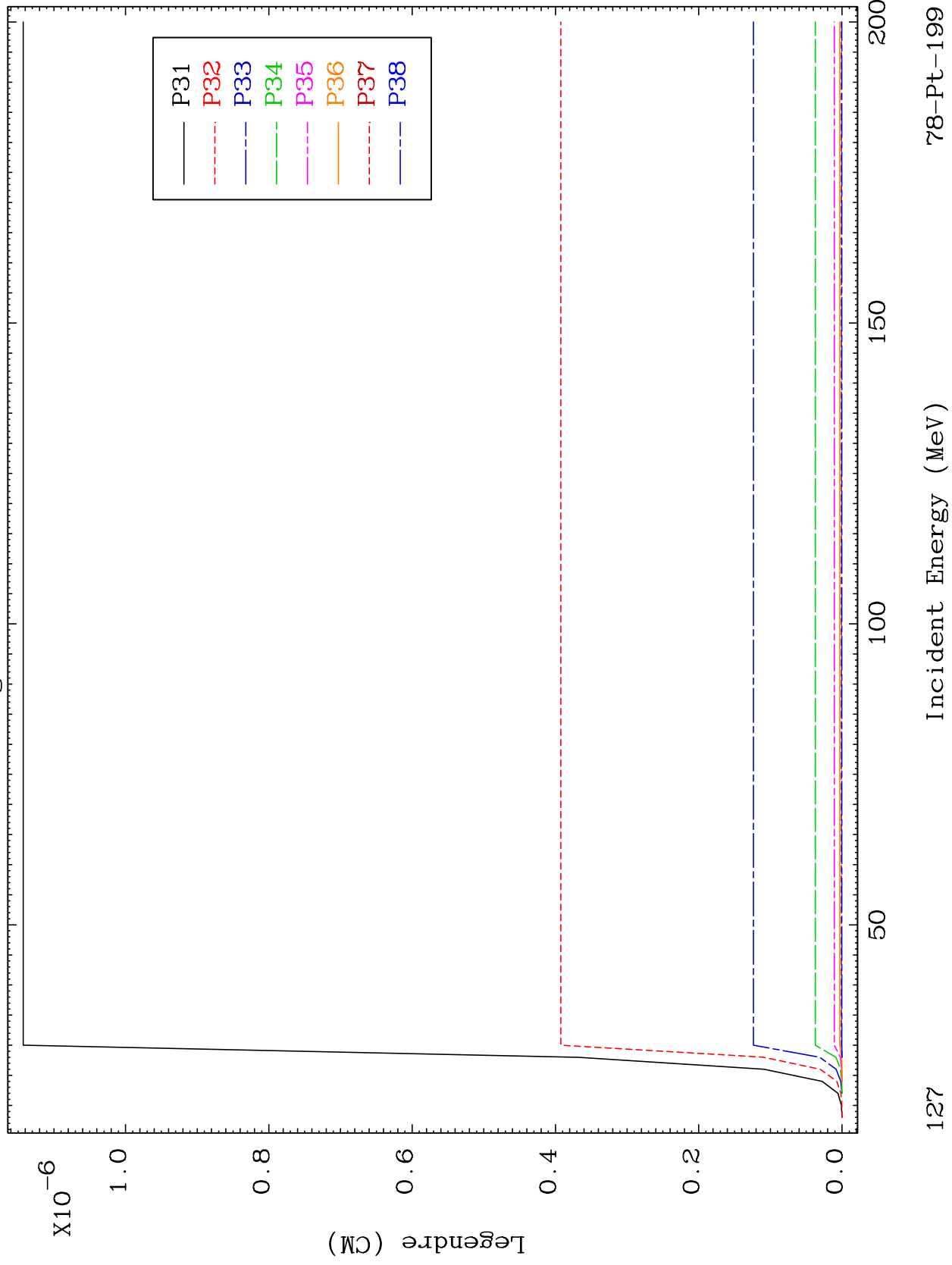
125



MAT 7852

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

78-Pt-199

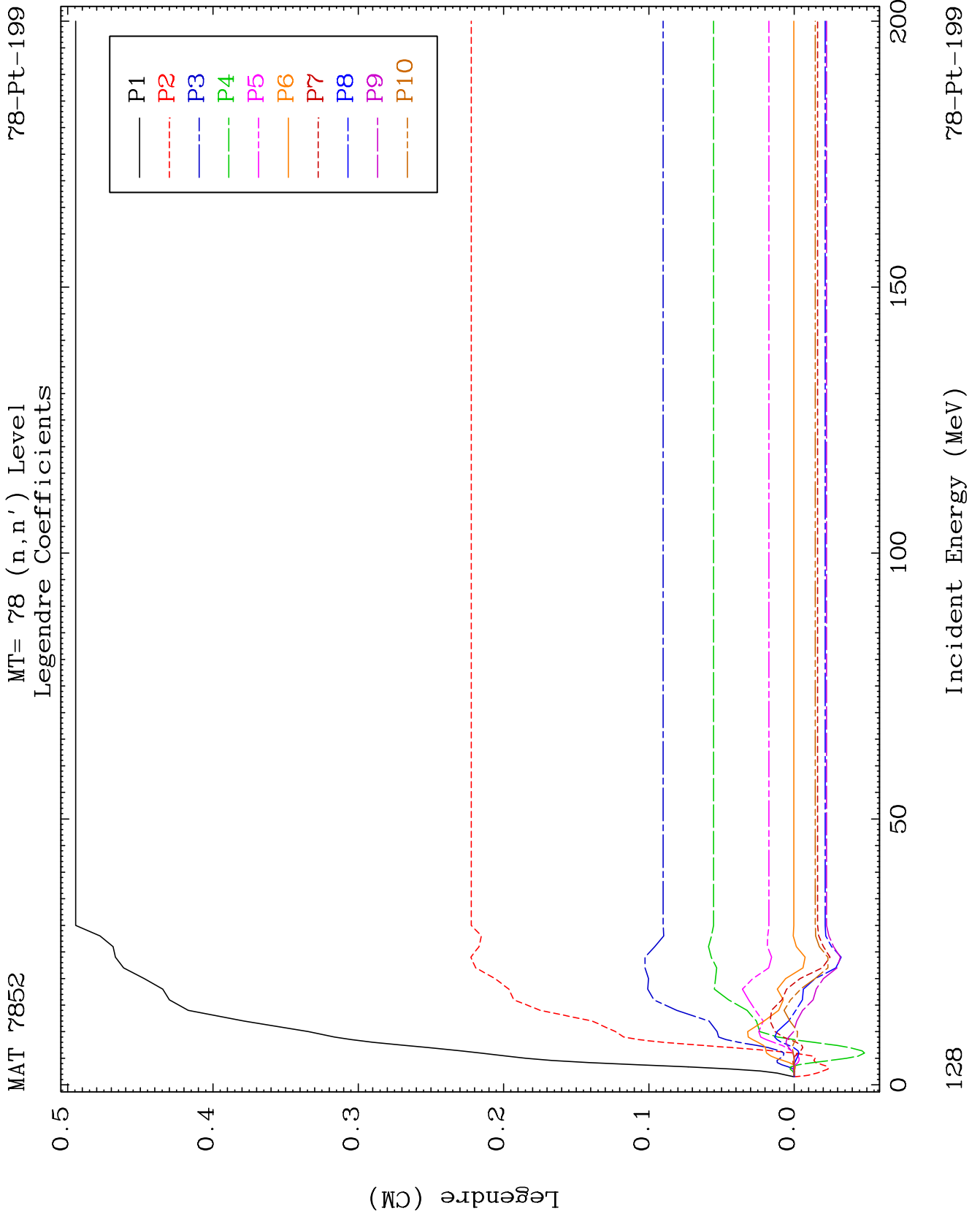


127

Incident Energy (MeV)

78-Pt-199

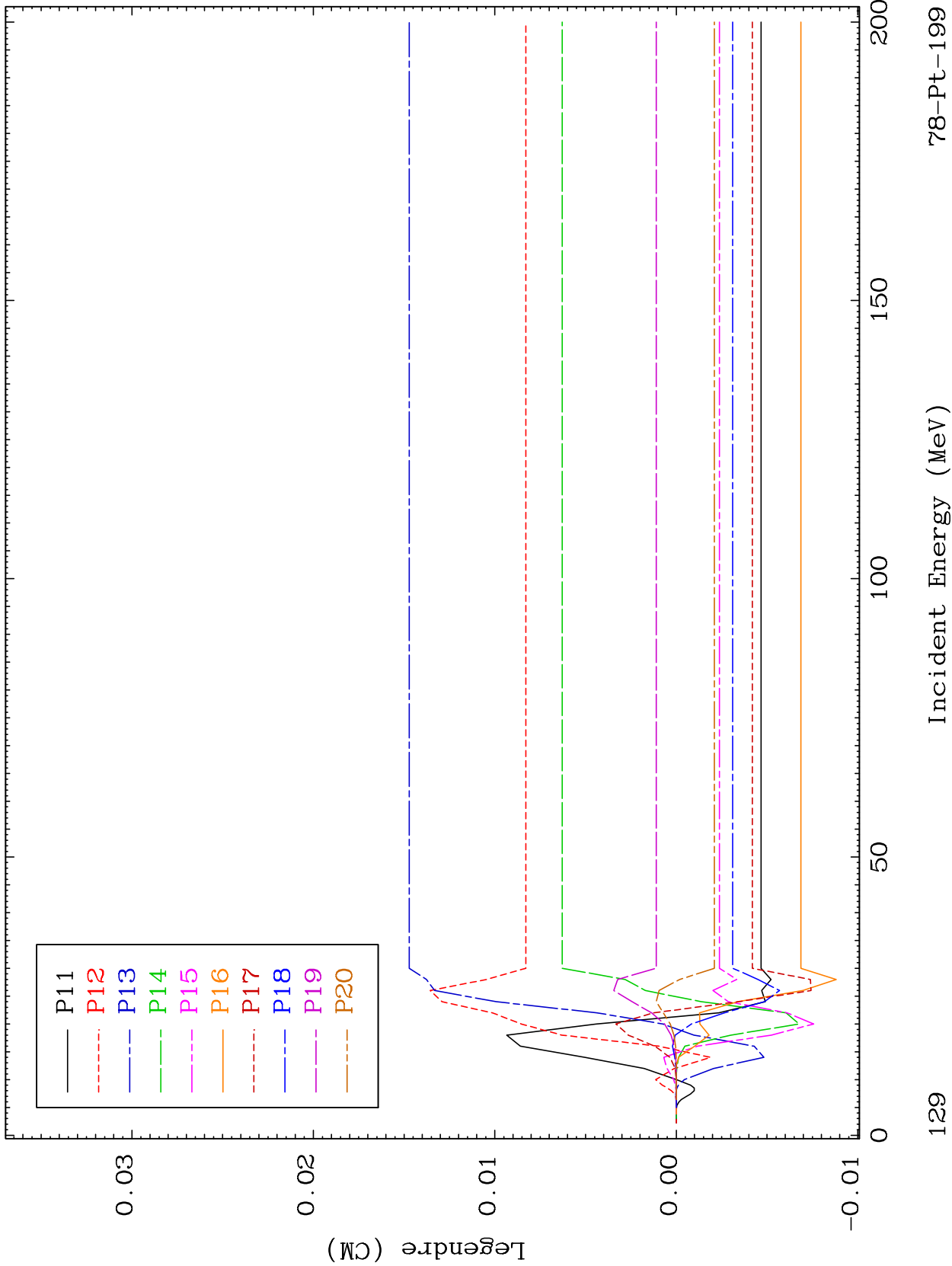




MAT 7852

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

78-Pt-199

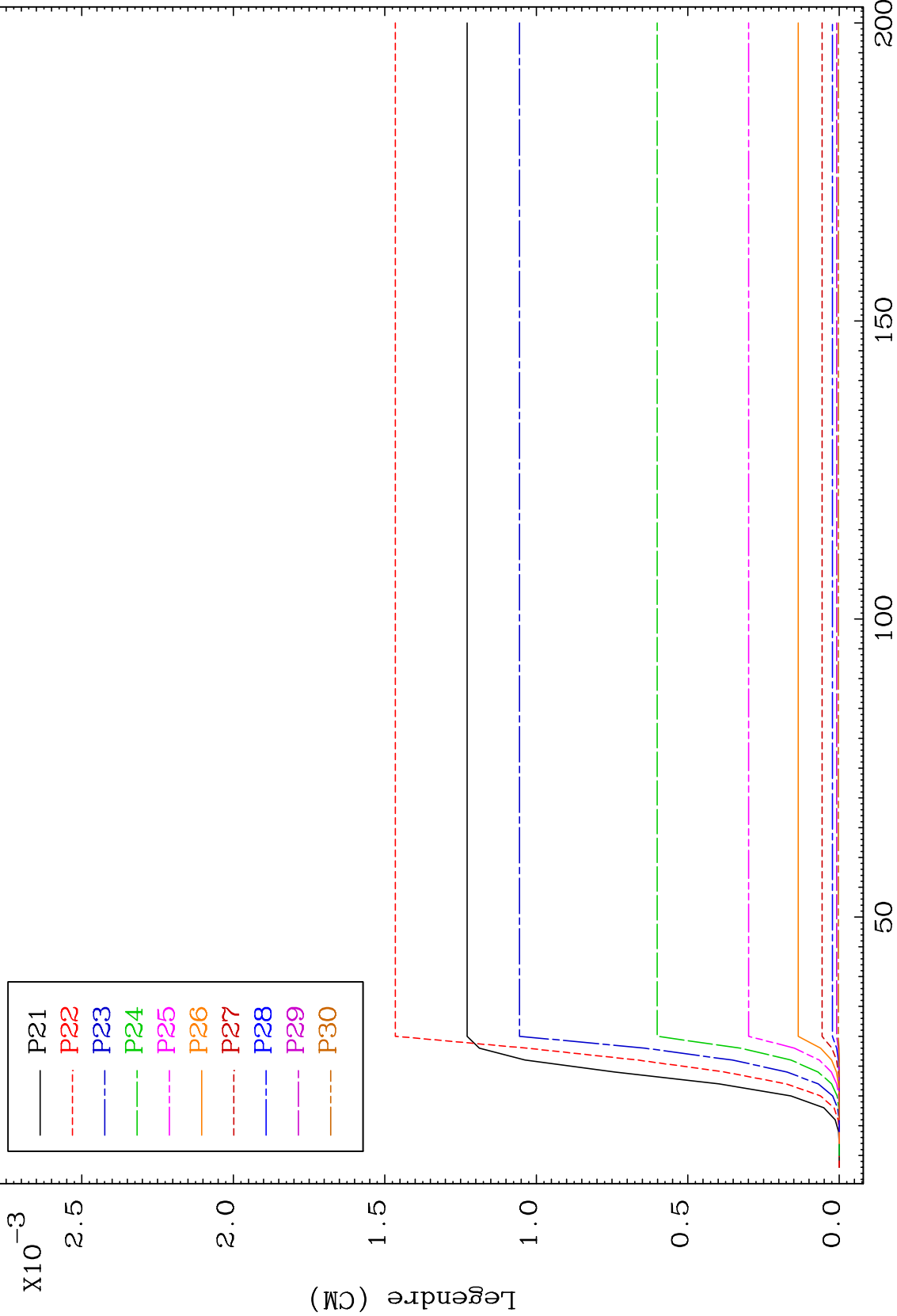
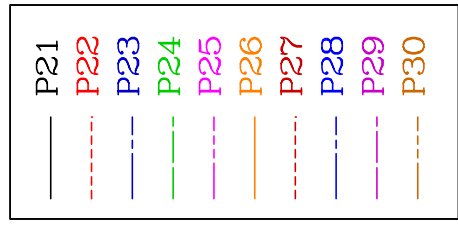


129

MAT 7852

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

78-Pt-199



130

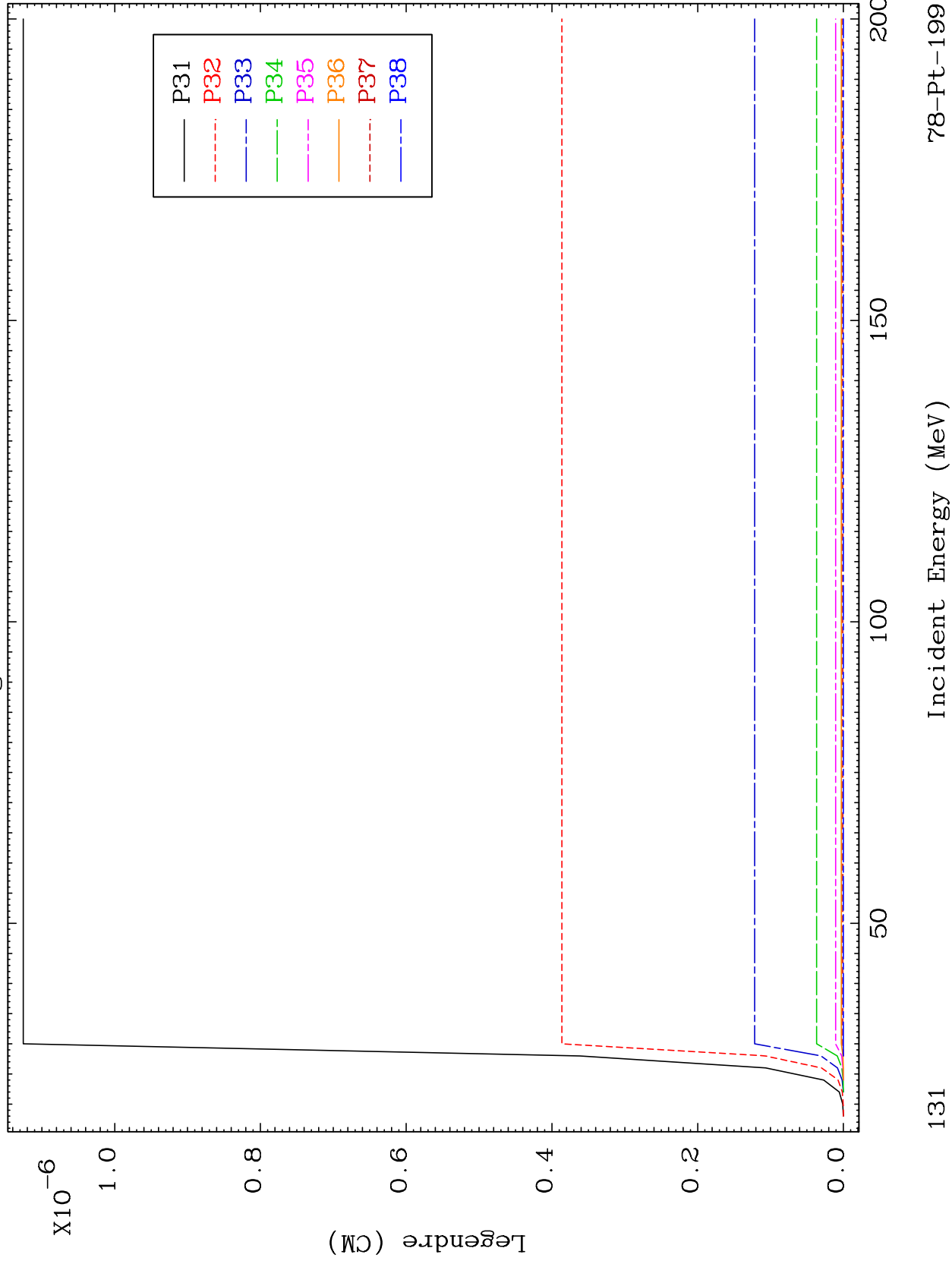
Incident Energy (MeV)

78-Pt-199

MAT 7852

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

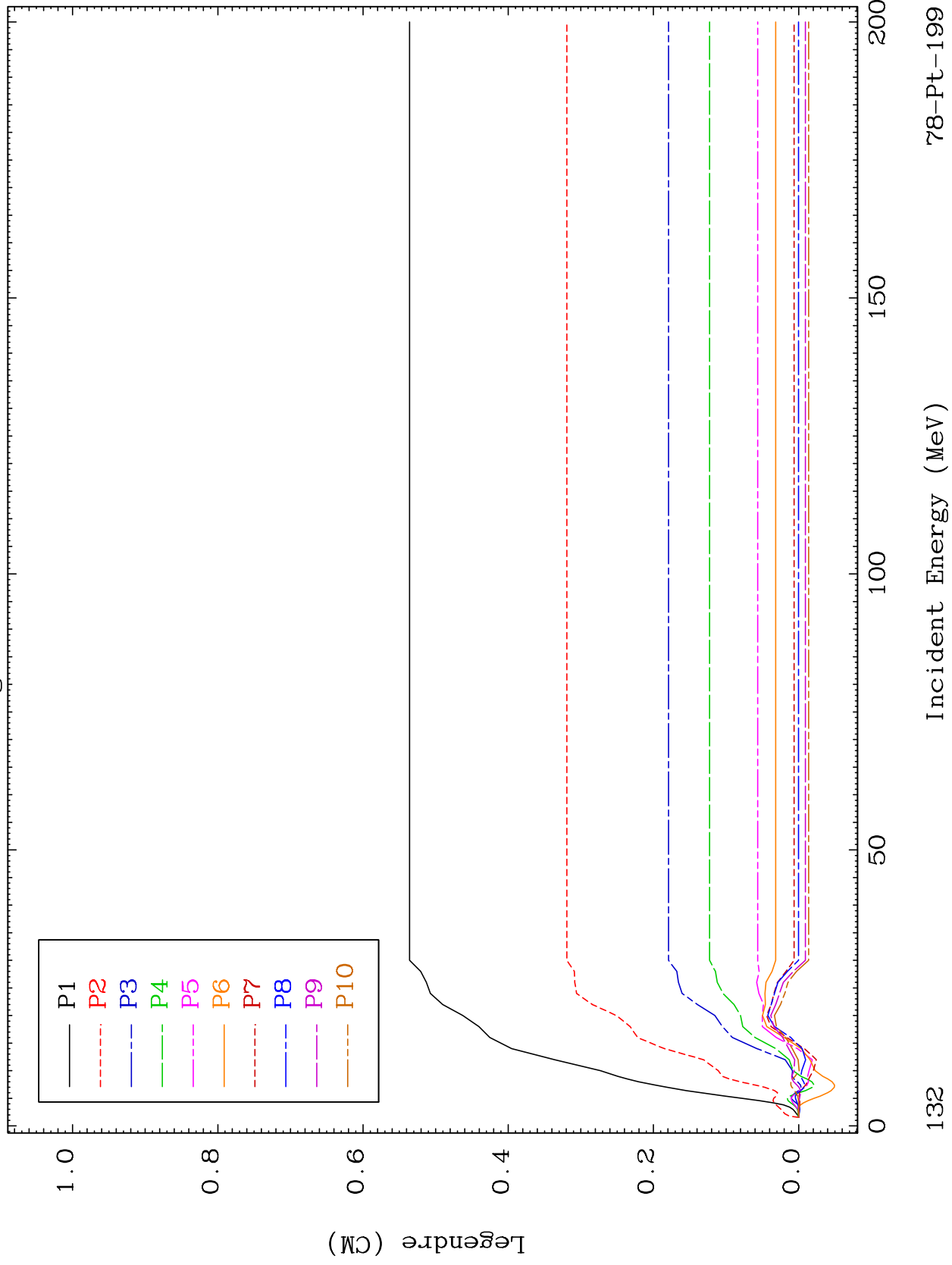
78-Pt-199



MAT 7852

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

78-Pt-199



132

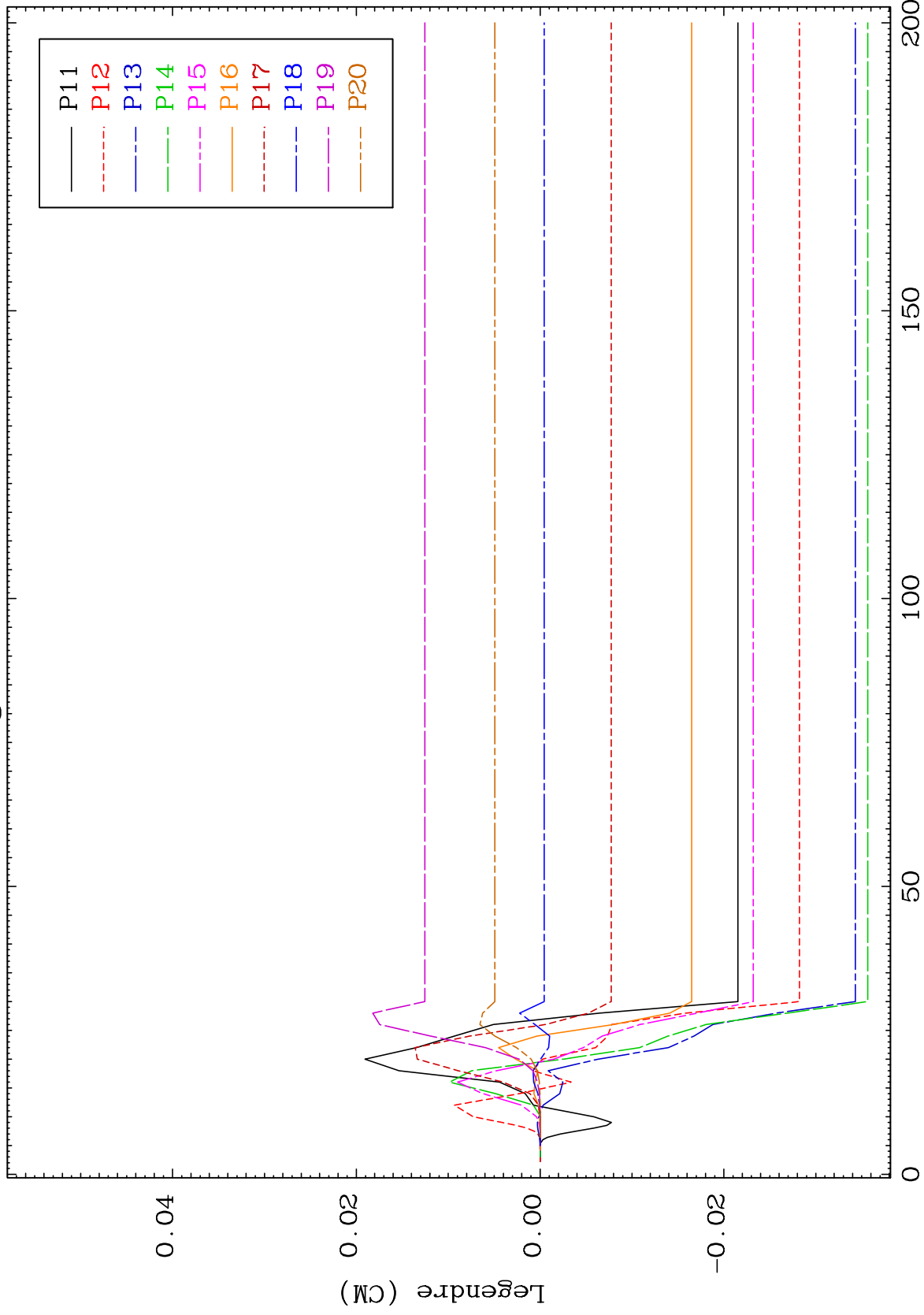
Incident Energy (MeV)

78-Pt-199

MAT 7852

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

78-Pt-199



133

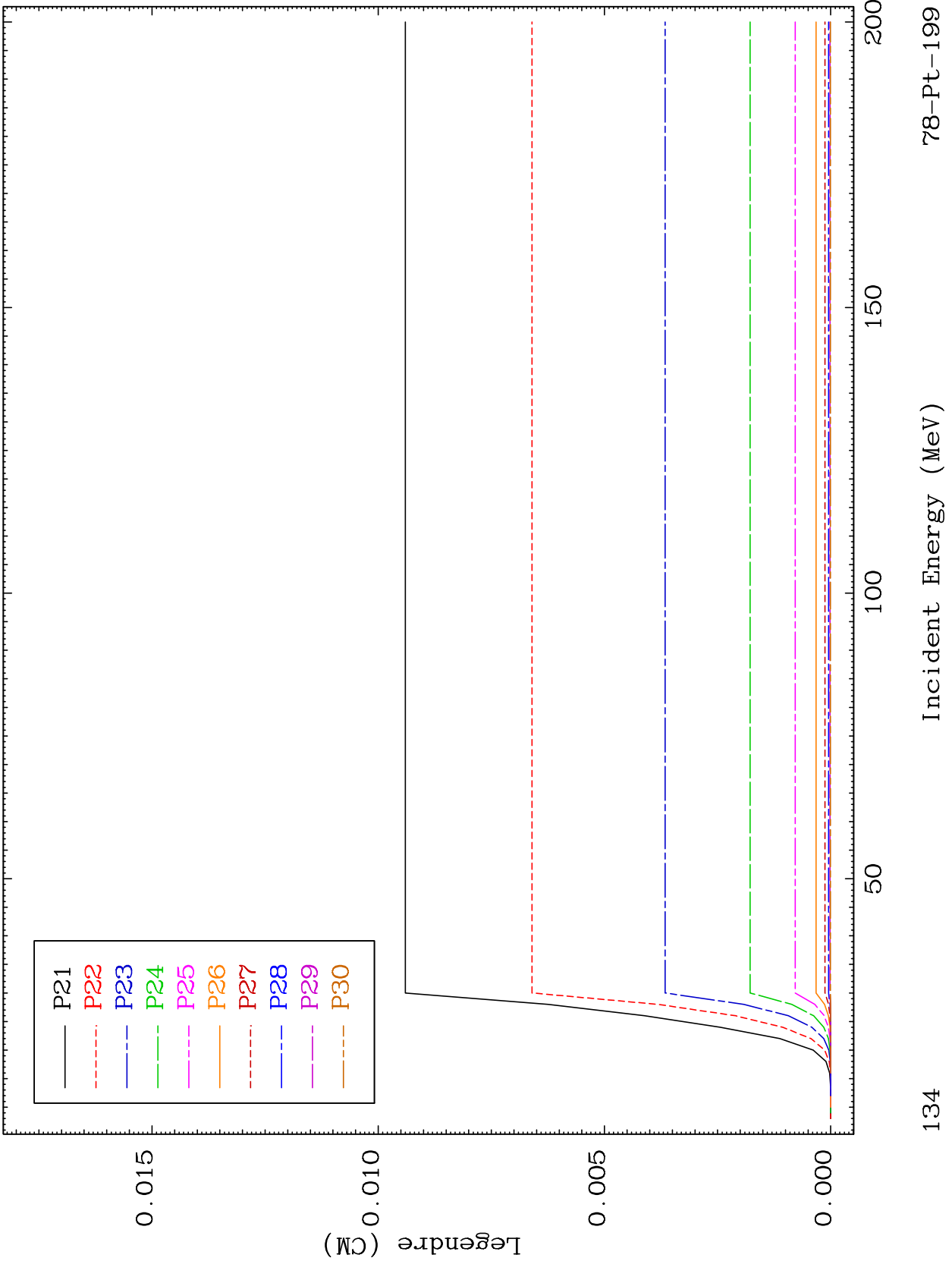
Incident Energy (MeV)

78-Pt-199

MAT 7852

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

78-Pt-199



134

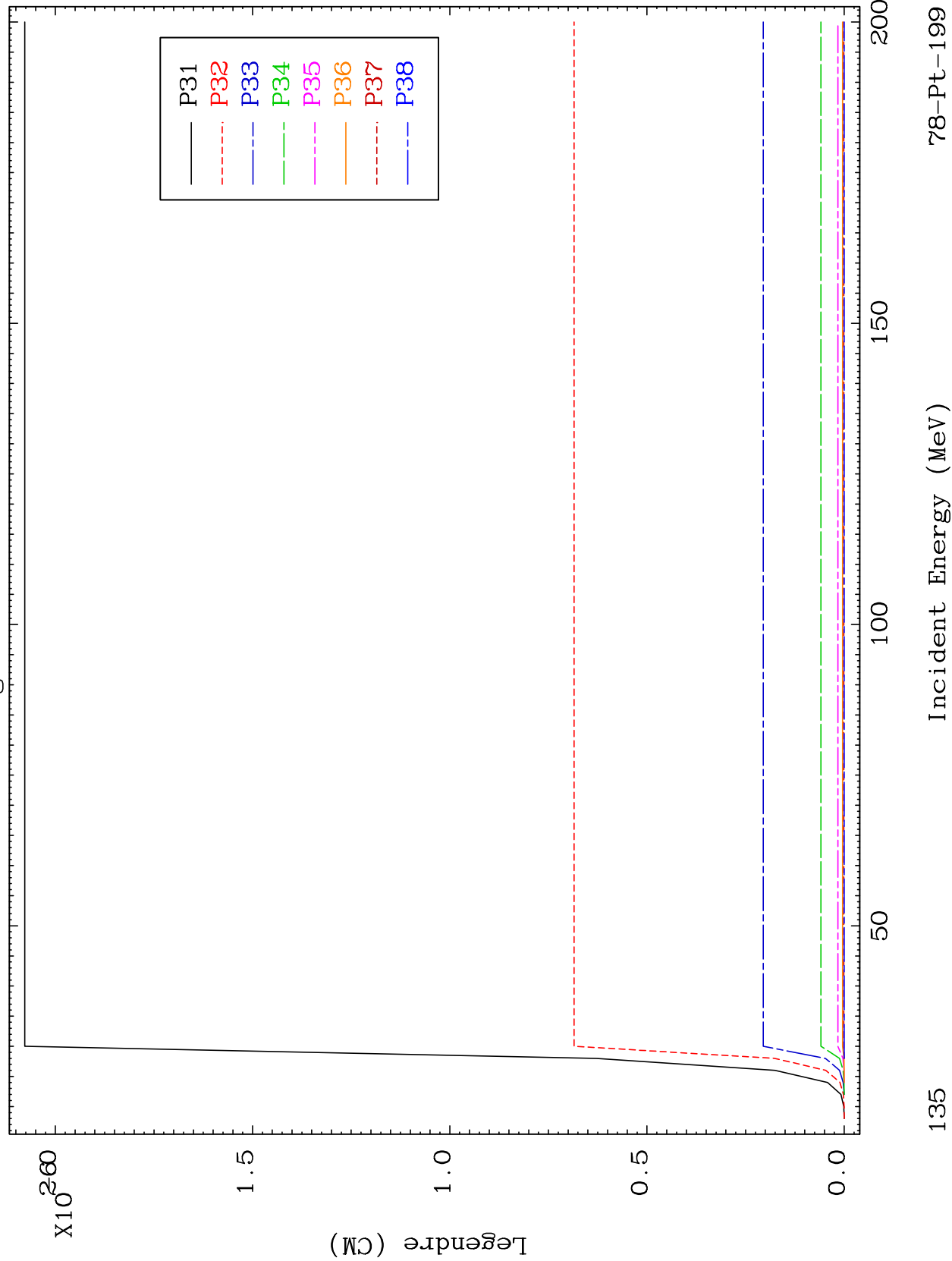
Incident Energy (MeV)

78-Pt-199

MAT 7852

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

78-Pt-199



135

Incident Energy (MeV)

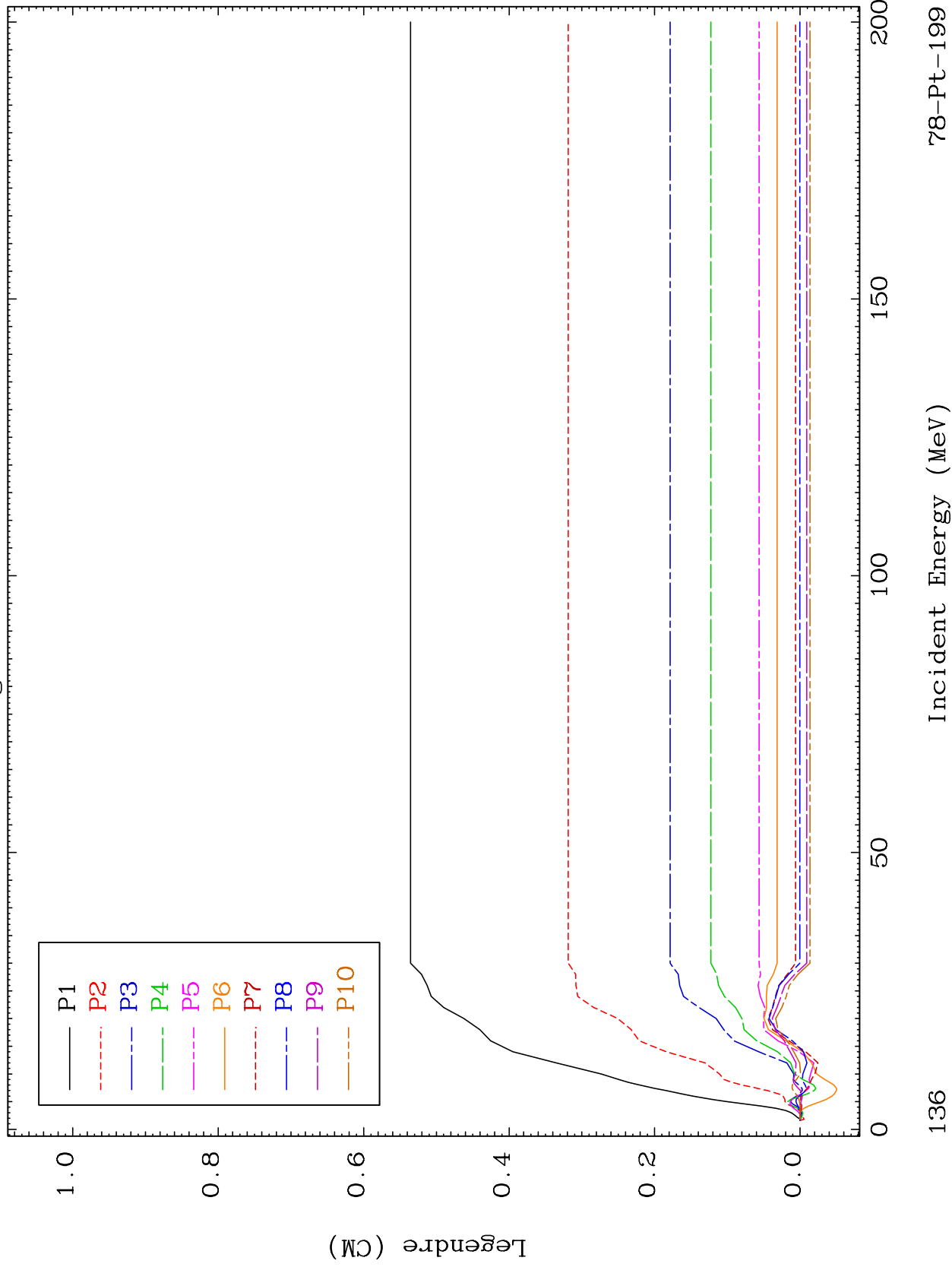
78-Pt-199



MAT 7852

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

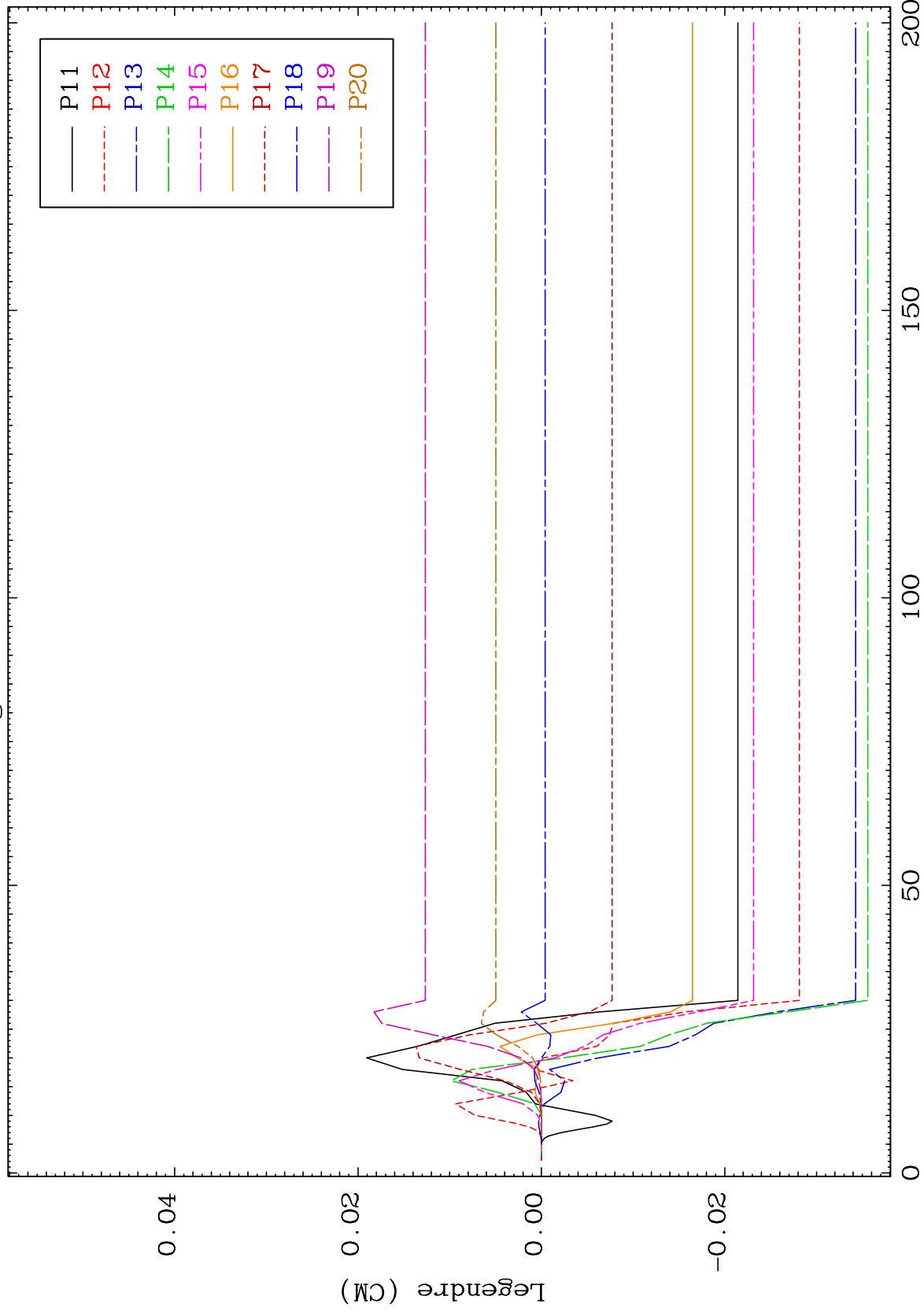
78-Pt-199



MAT 7852

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

78-Pt-199



137

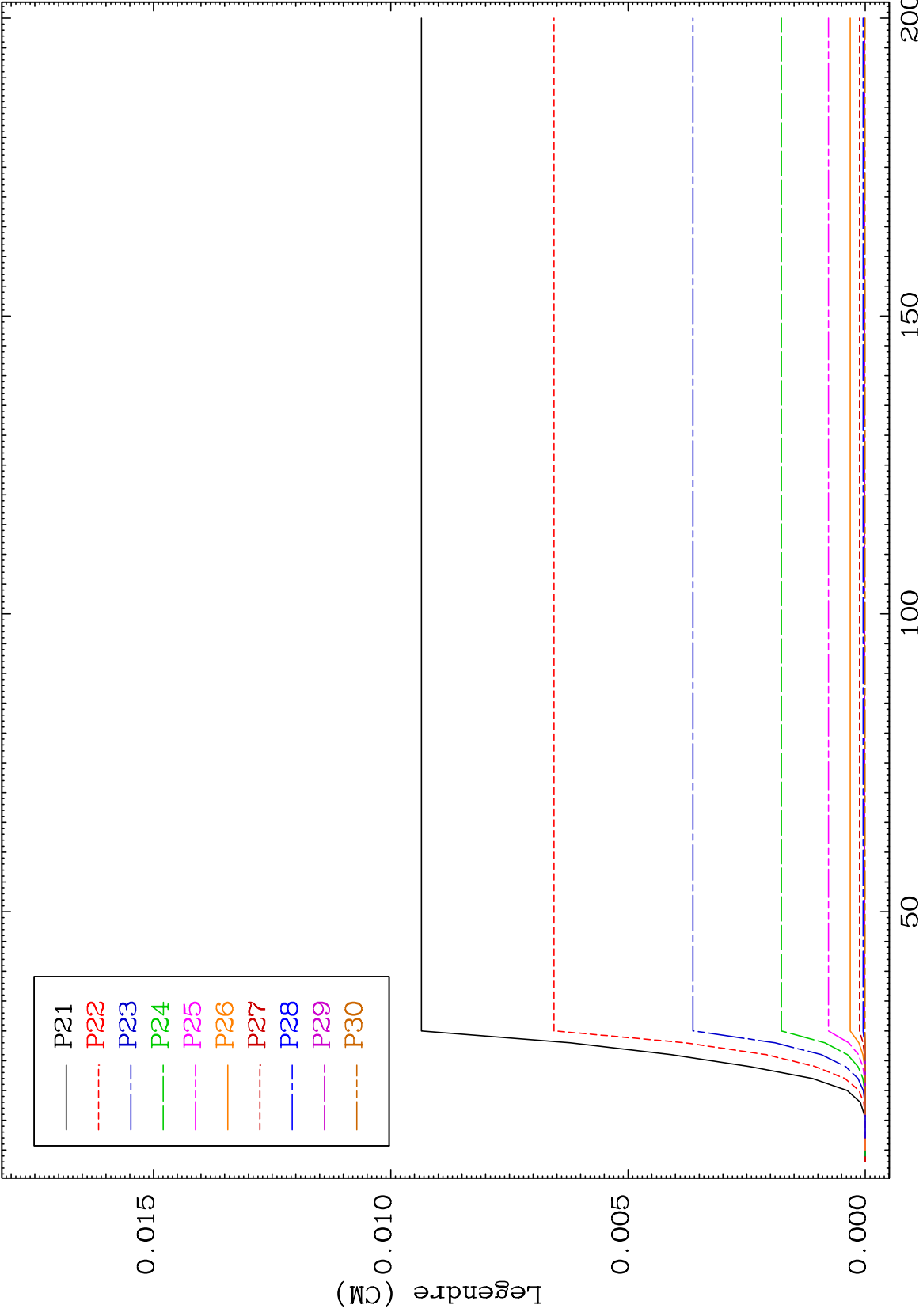
Incident Energy (MeV)

78-Pt-199

MAT 7852

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

78-Pt-199



138

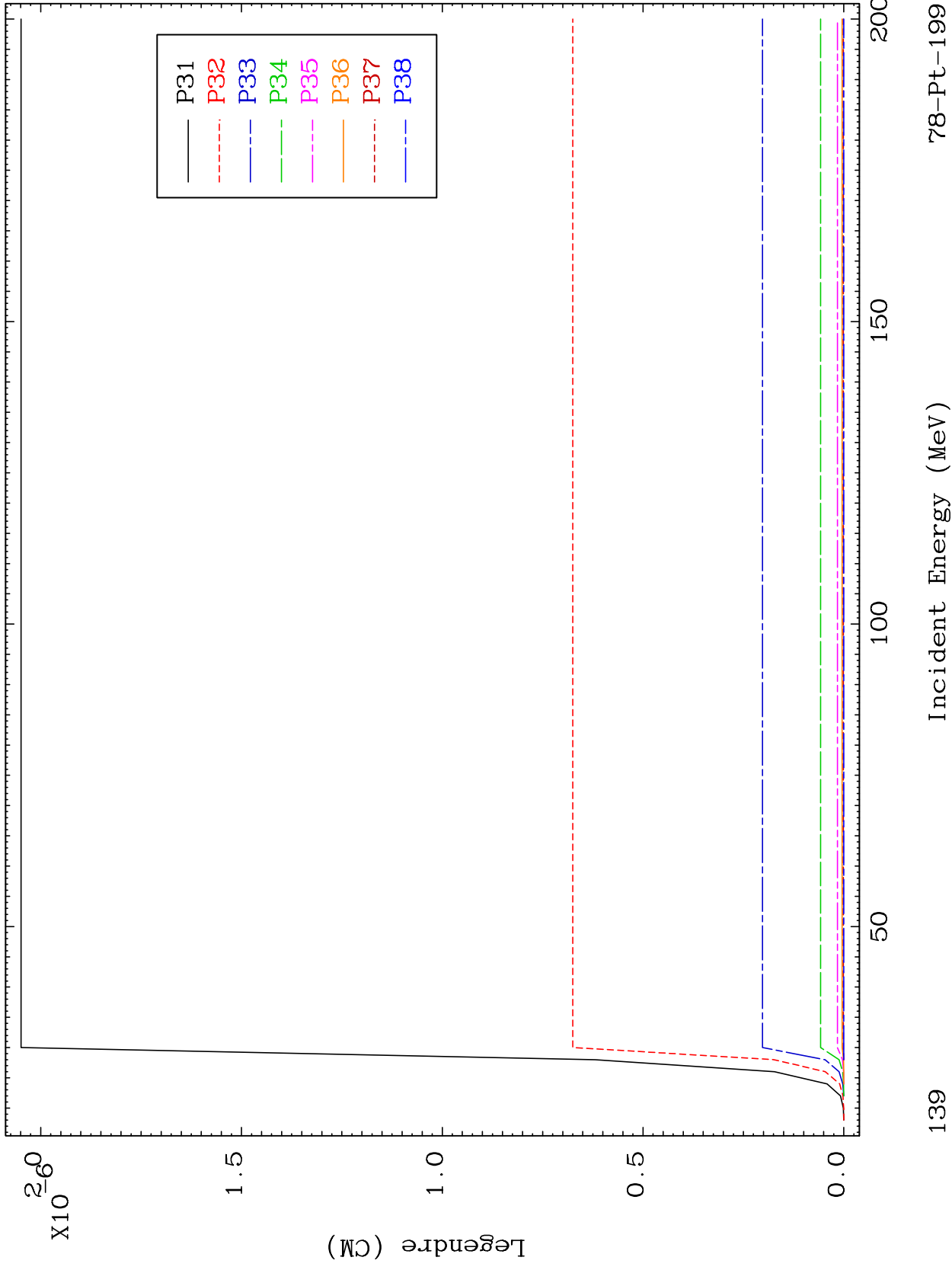
Incident Energy (MeV)

78-Pt-199

MAT 7852

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

78-Pt-199

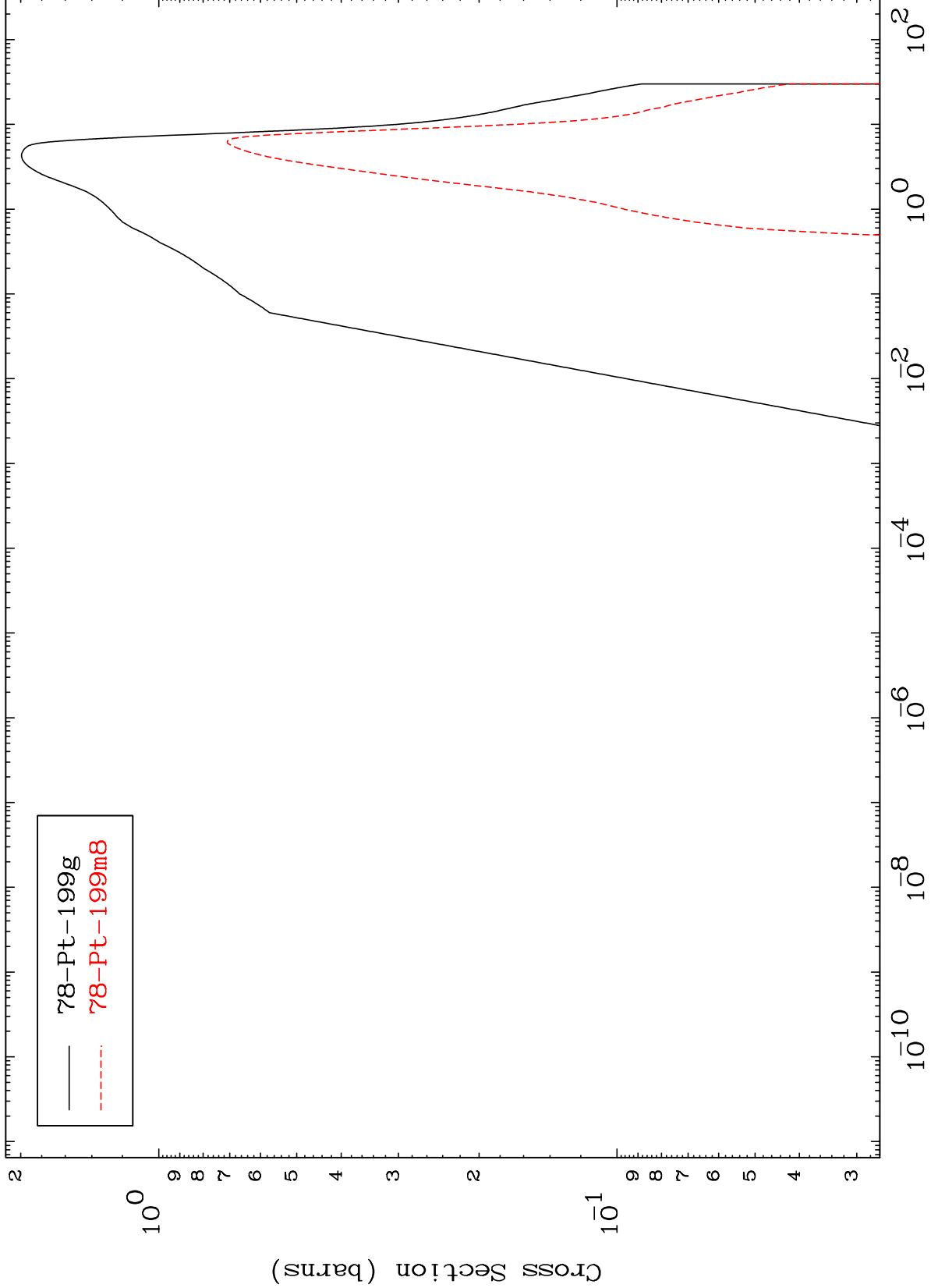


139

MAT 7852

Inelastic  
Radionuclide Production Cross Section

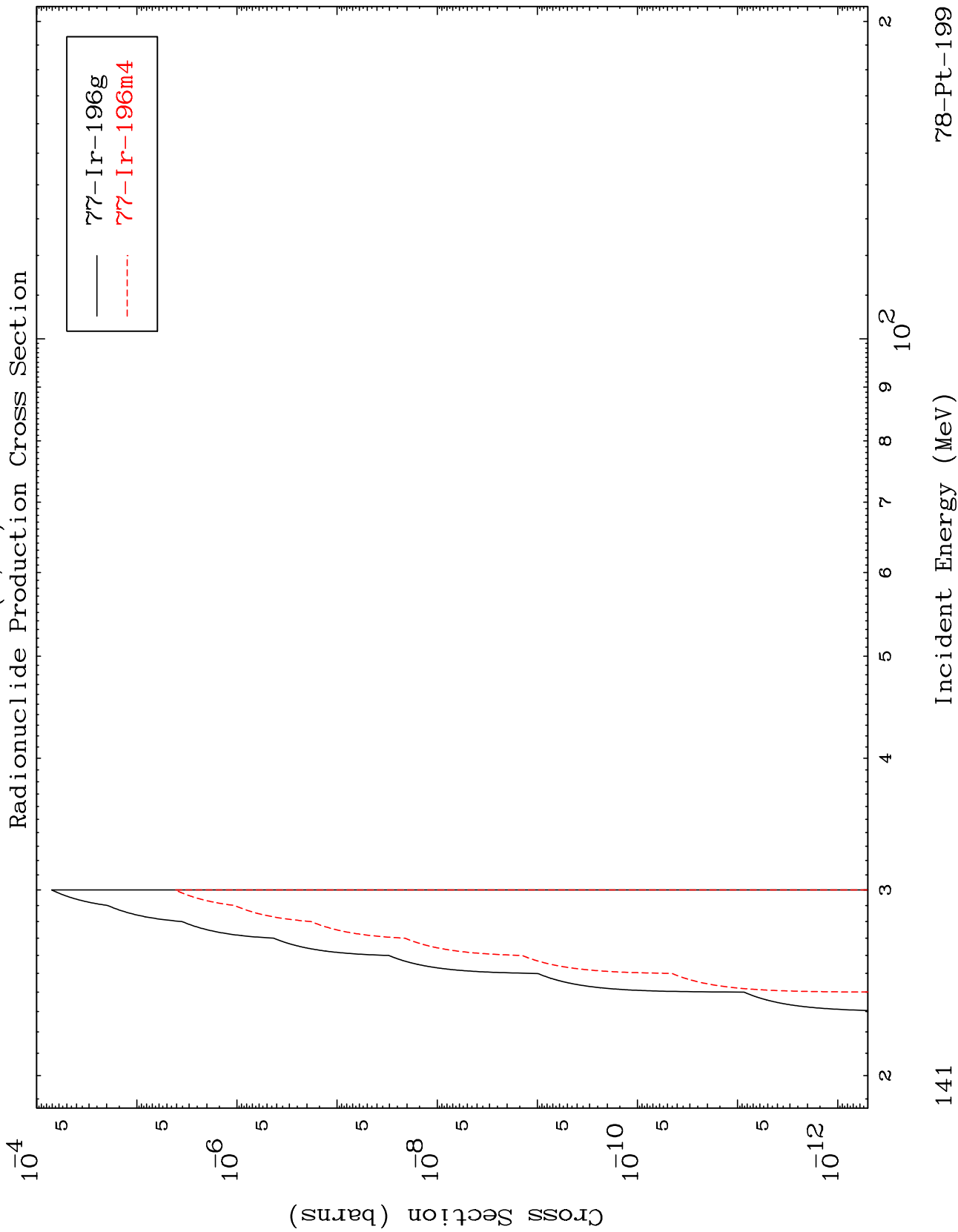
78-Pt-199



MAT 7852

(n,2n) d

78-Pt-199



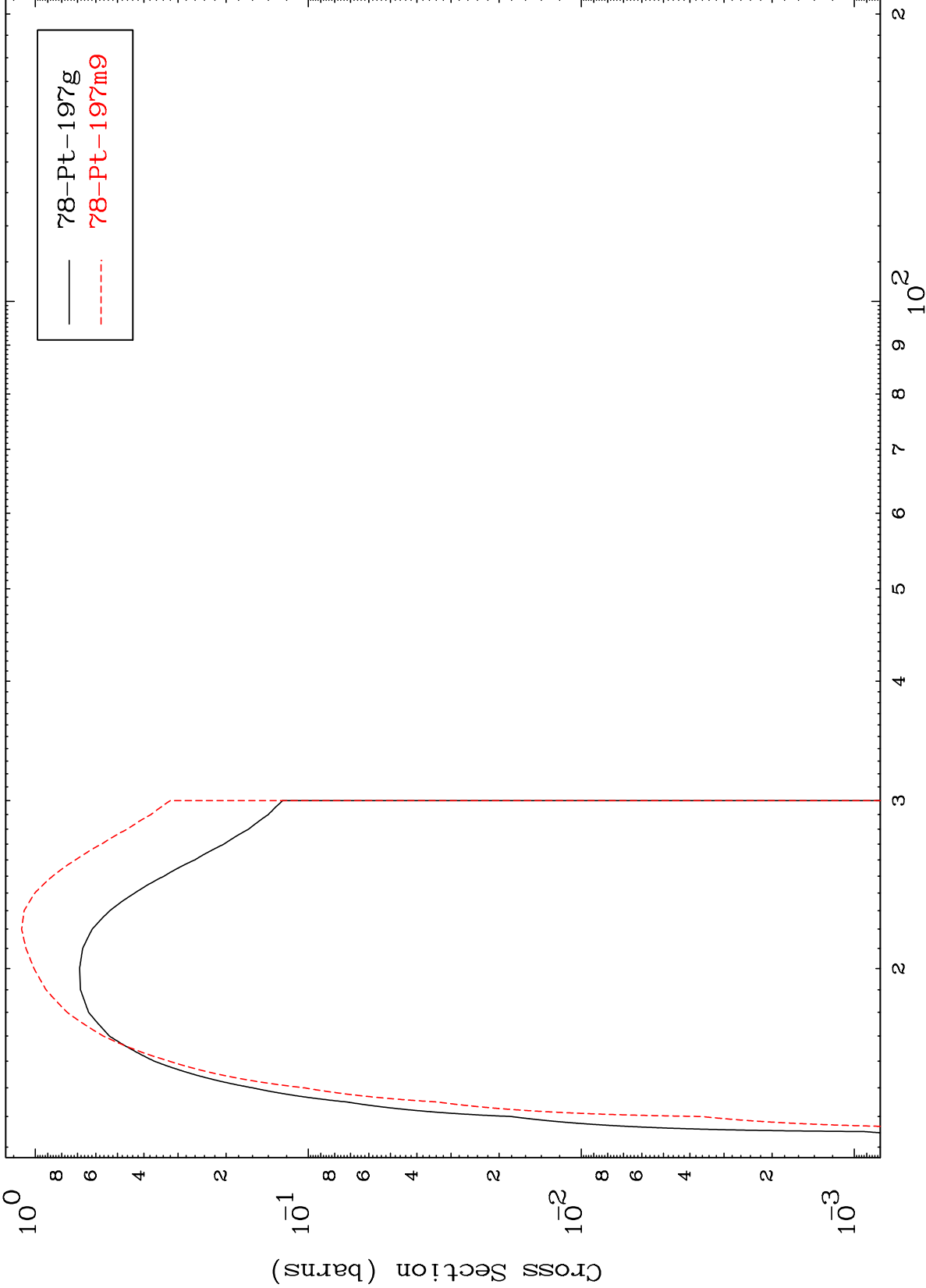
141

MAT 7852

(n,3n)

78-Pt-199

Radionuclide Production Cross Section



142

Incident Energy (MeV)

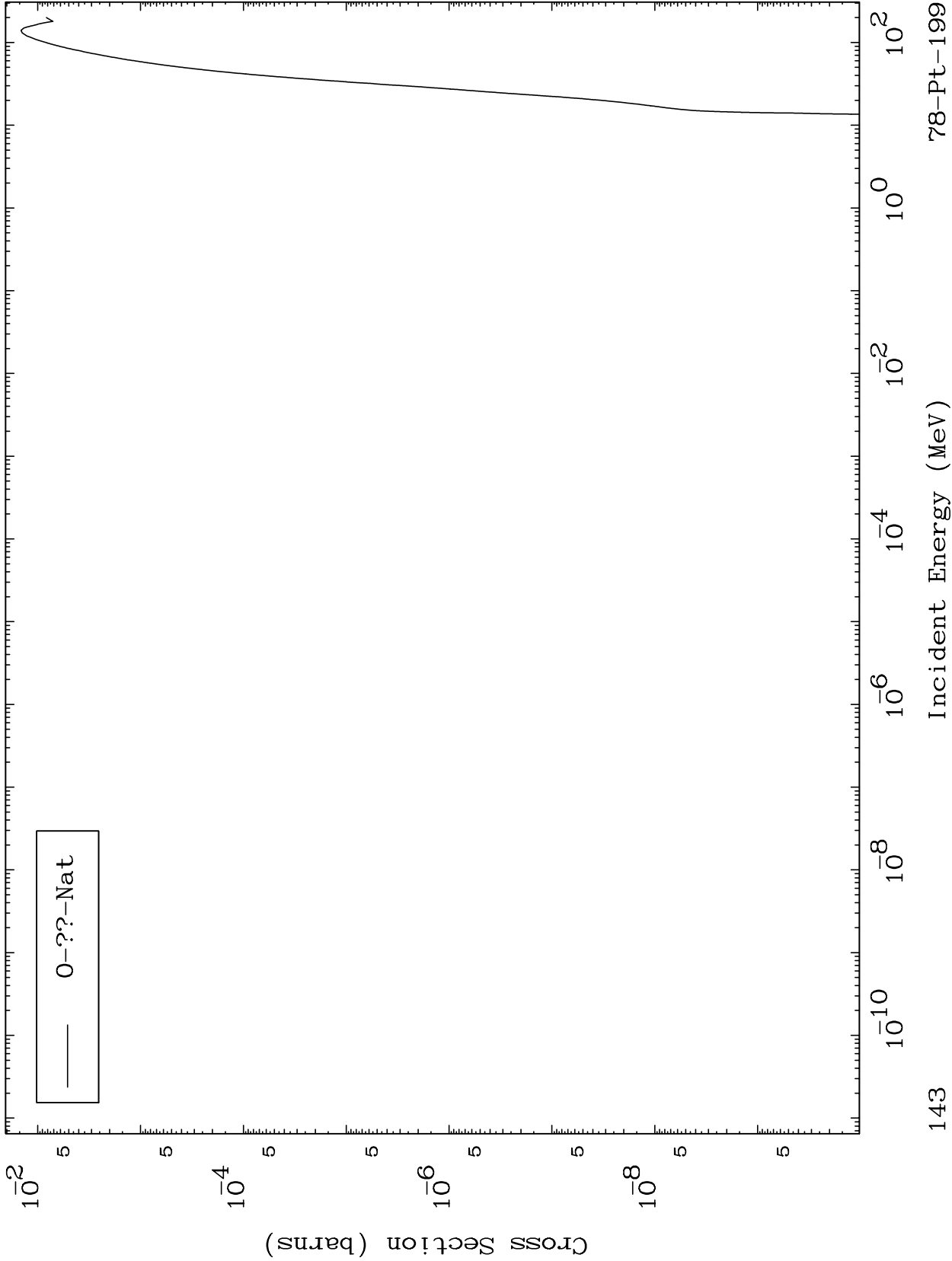
78-Pt-199

MAT 7852

Fission

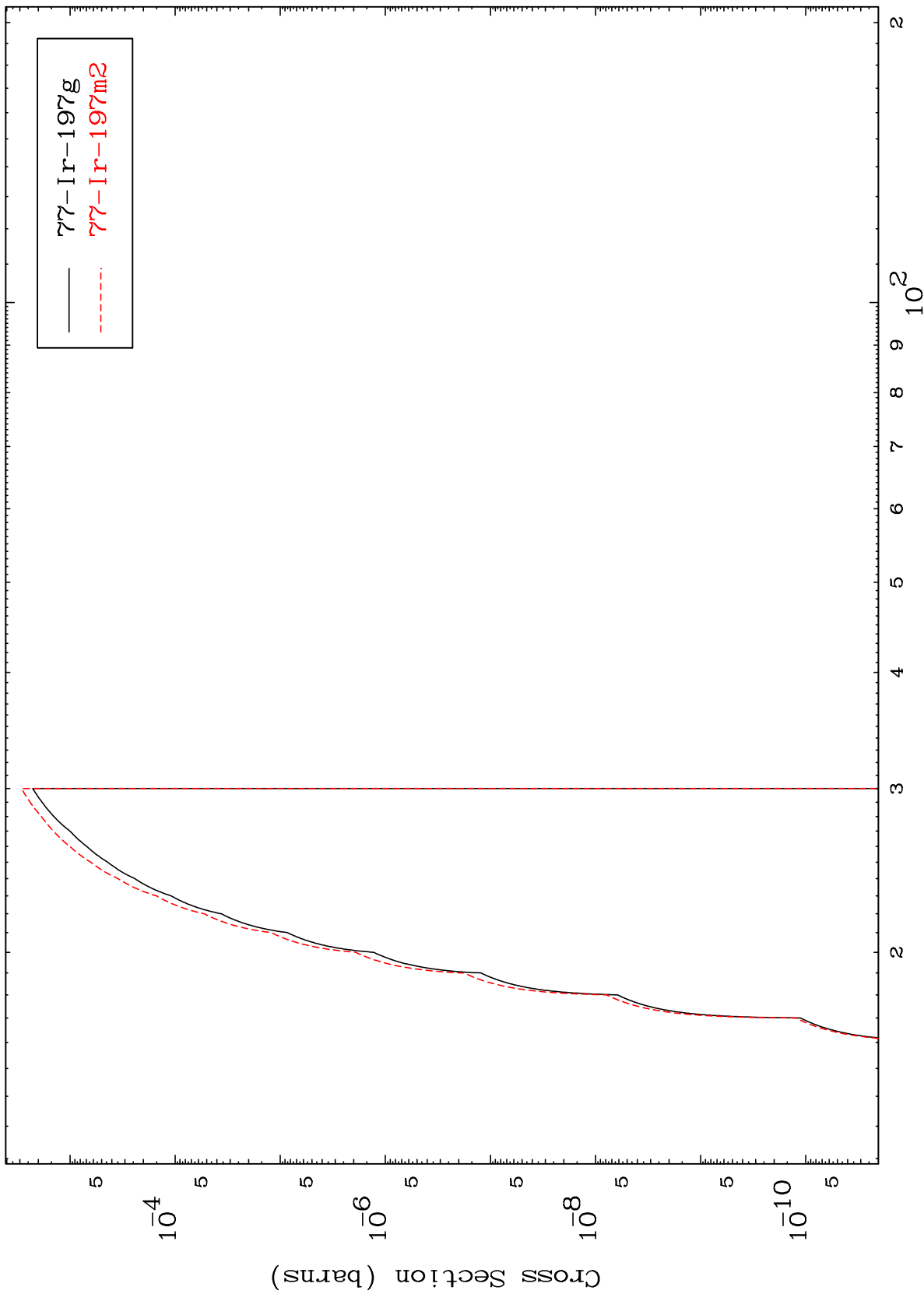
78-Pt-199

Radionuclide Production Cross Section





Radionuclide Production Cross Section

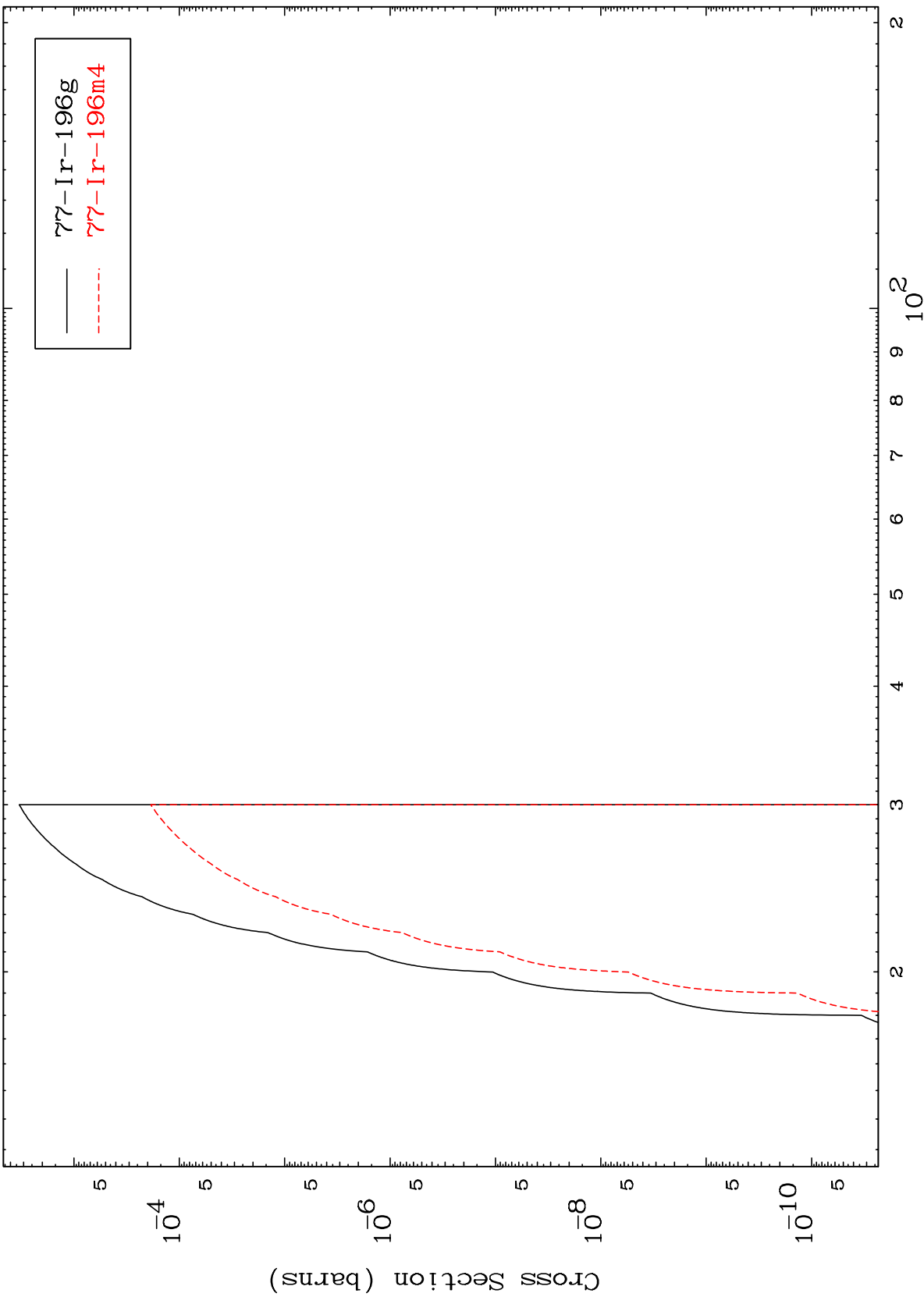


MAT 7852

(n,n') t

78-Pt-199

Radionuclide Production Cross Section



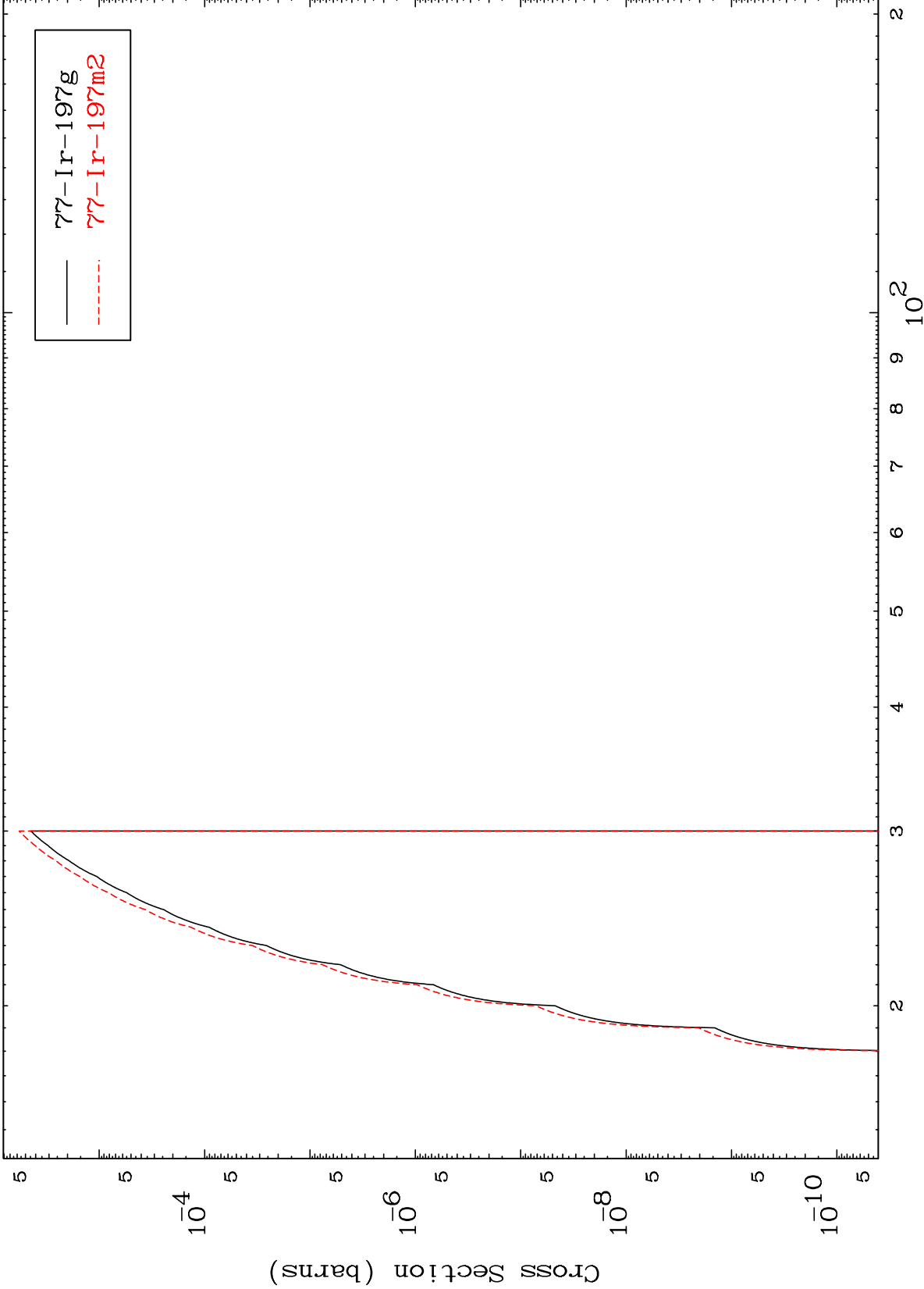
—  $^{77}\text{Ir-196g}$   
- - -  $^{77}\text{Ir-196m4}$

145

Incident Energy (MeV)

78-Pt-199

Radionuclide Production Cross Section



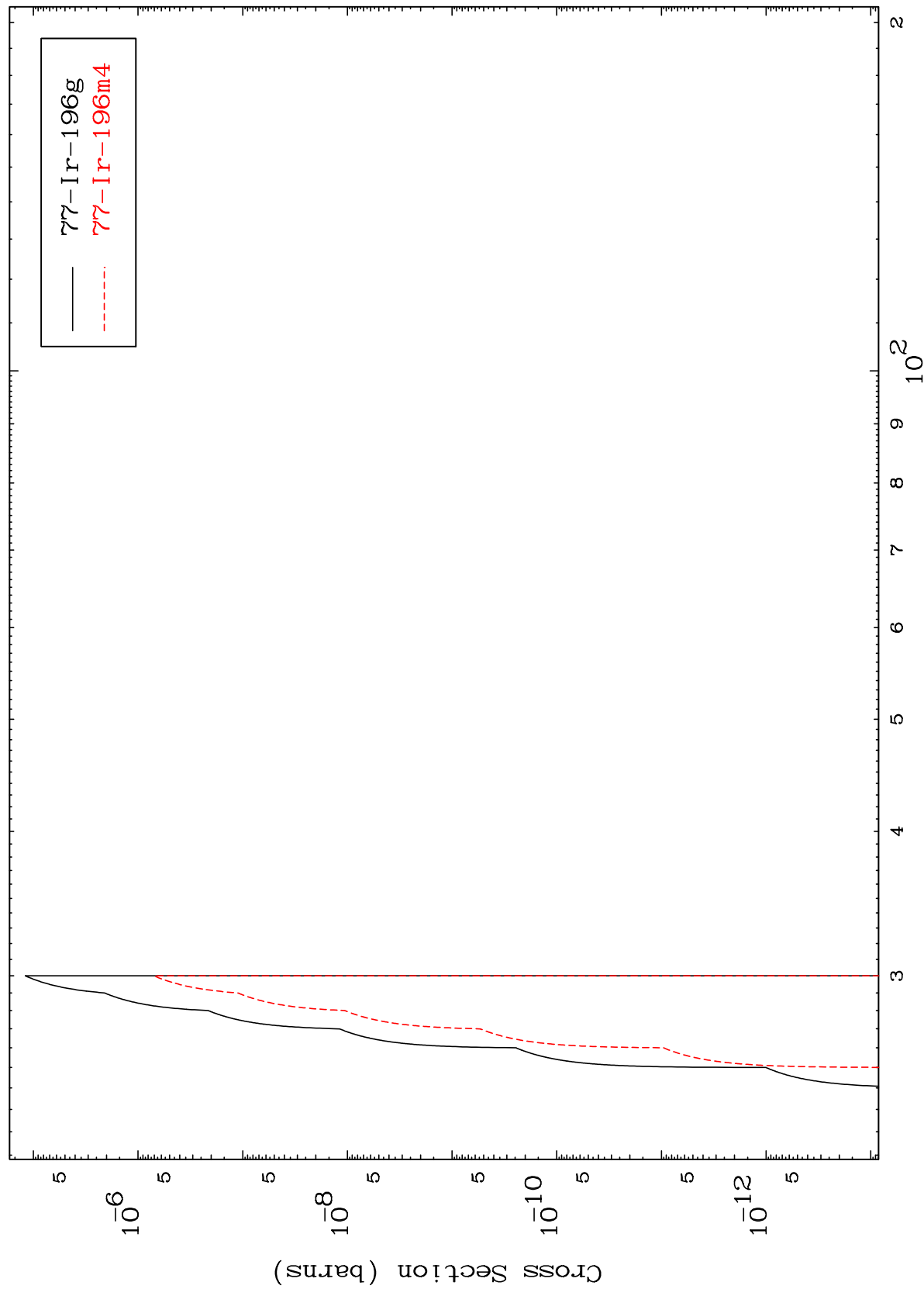
77-Ir-197g  
77-Ir-197m2

MAT 7852

(n,3n) p

78-Pt-199

Radionuclide Production Cross Section



77-Ir-196g  
77-Ir-196m4

147

Incident Energy (MeV)

78-Pt-199

Radionuclide Production Cross Section (n,t)

