

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

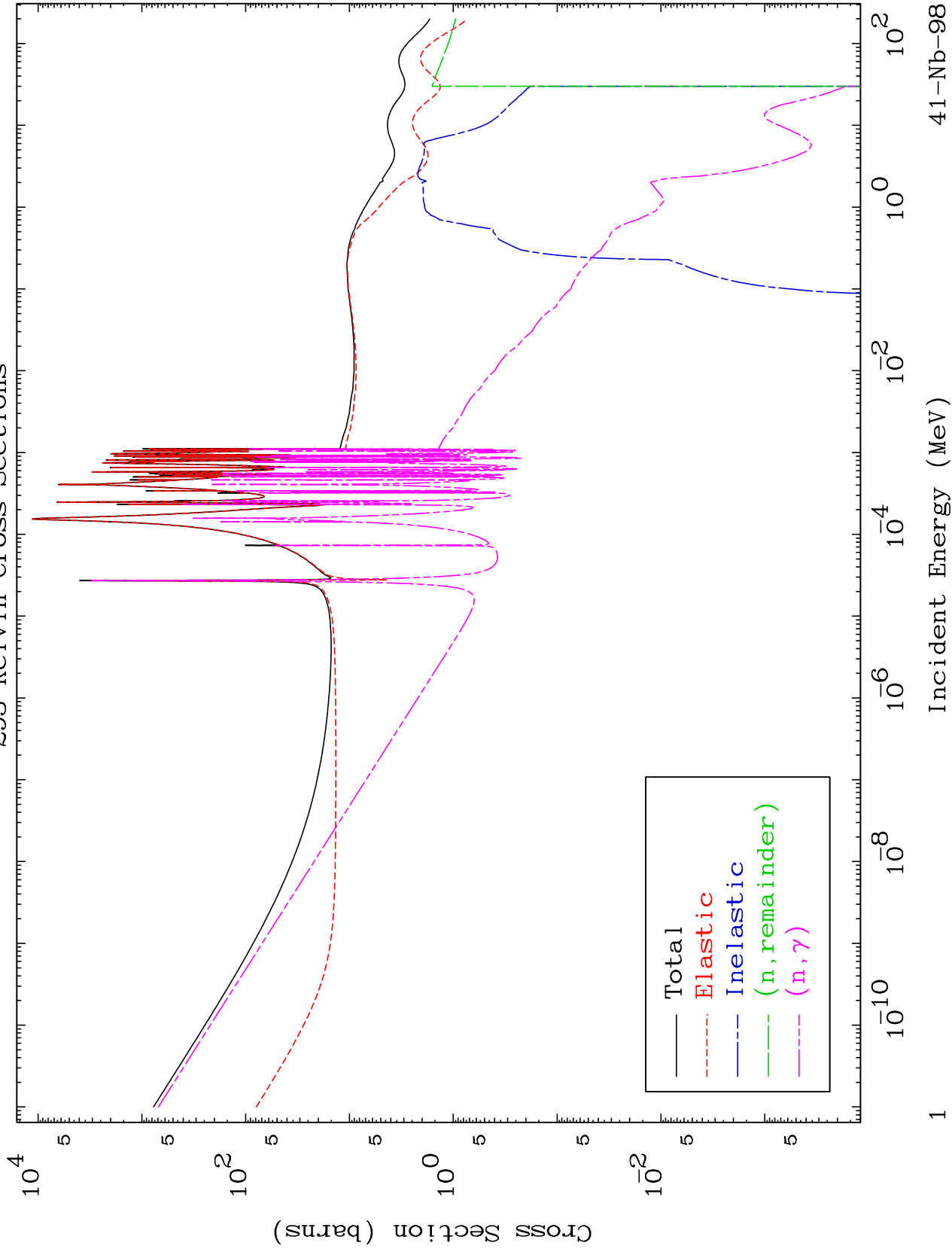
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Press Mouse Button to Start

MAT 4140

Major  
293 Kelvin Cross Sections

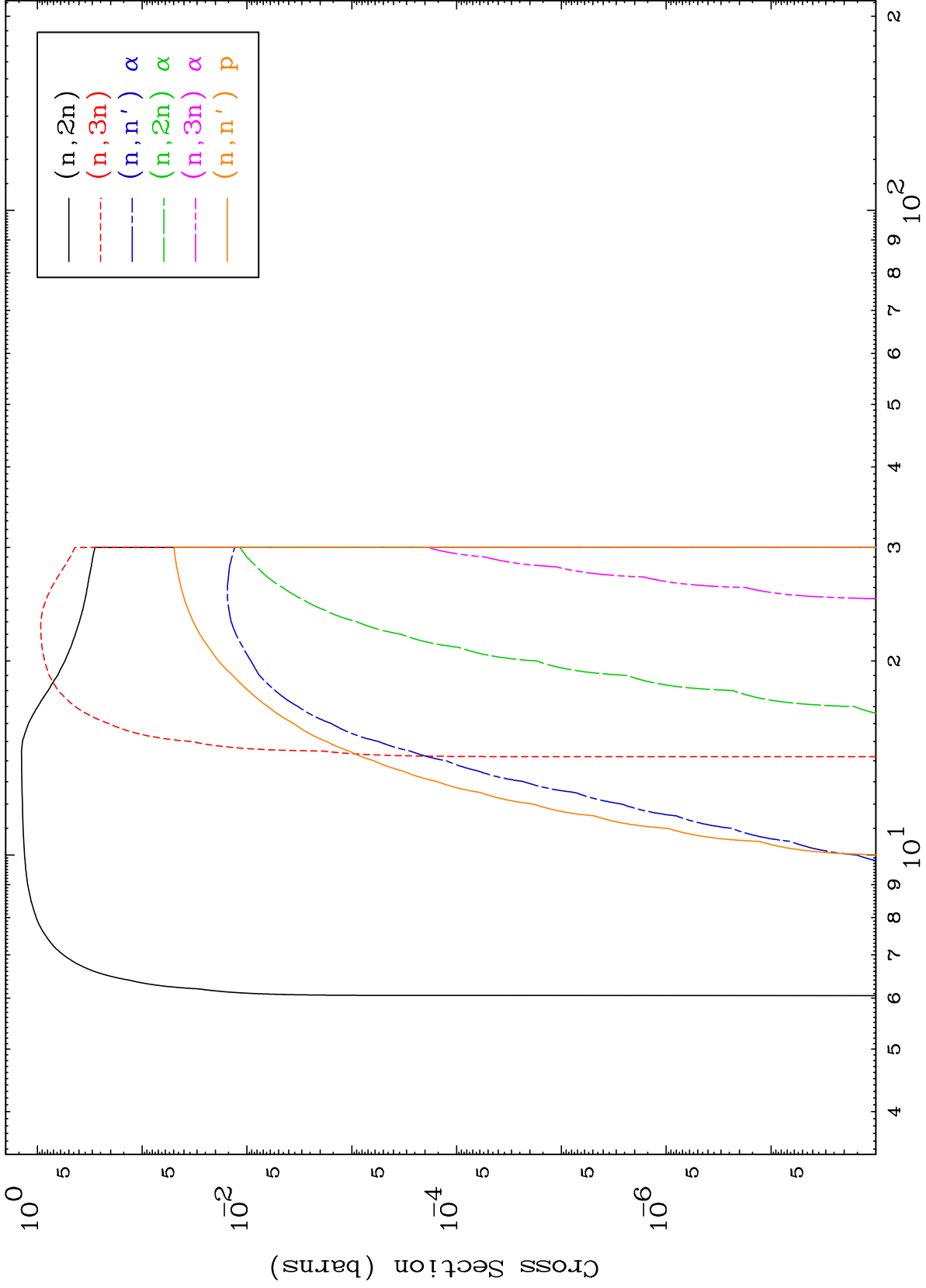
41-Nb-98



MAT 4140

Neutron Production  
293 Kelvin Cross Sections

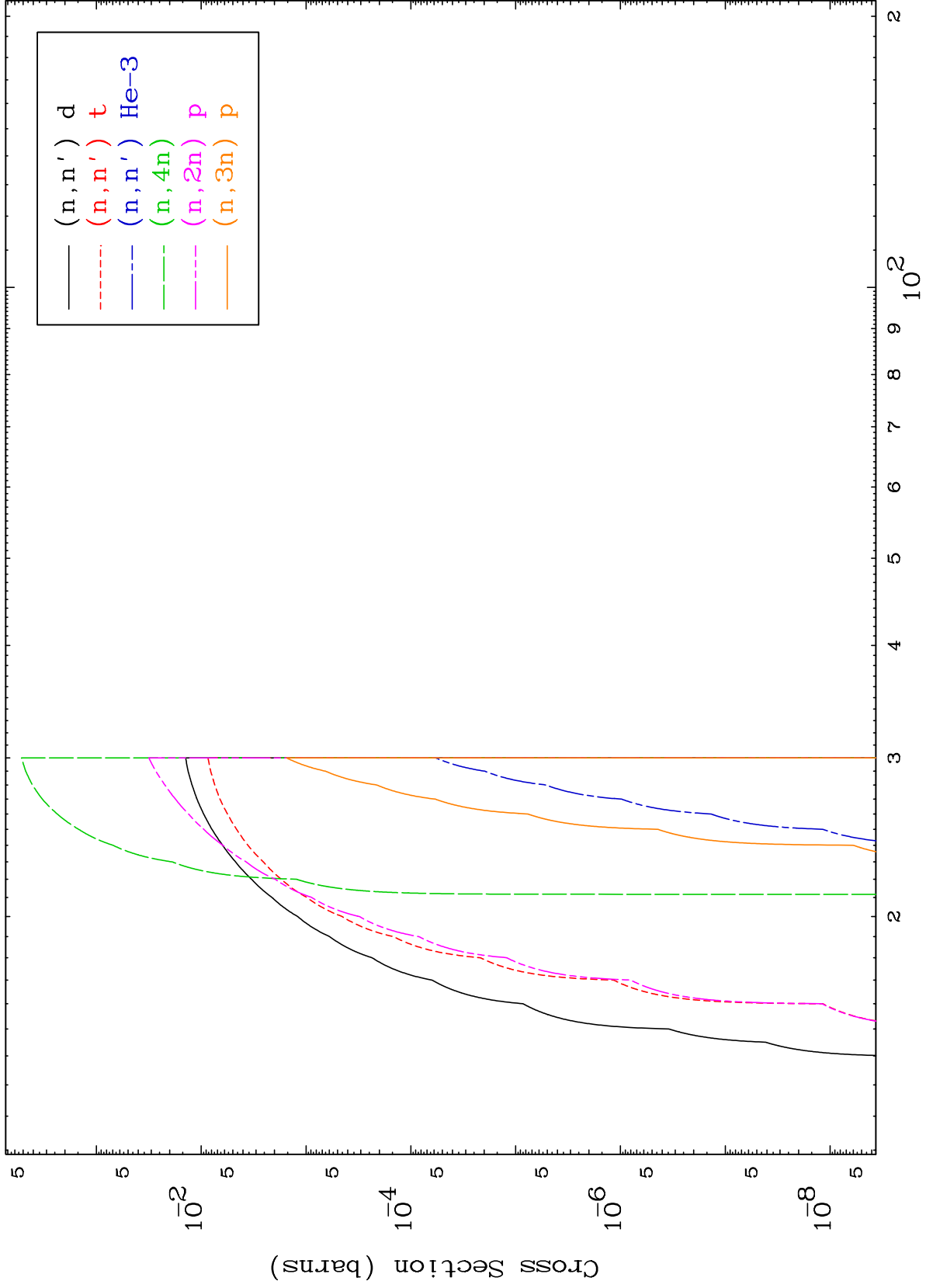
41-Nb-98

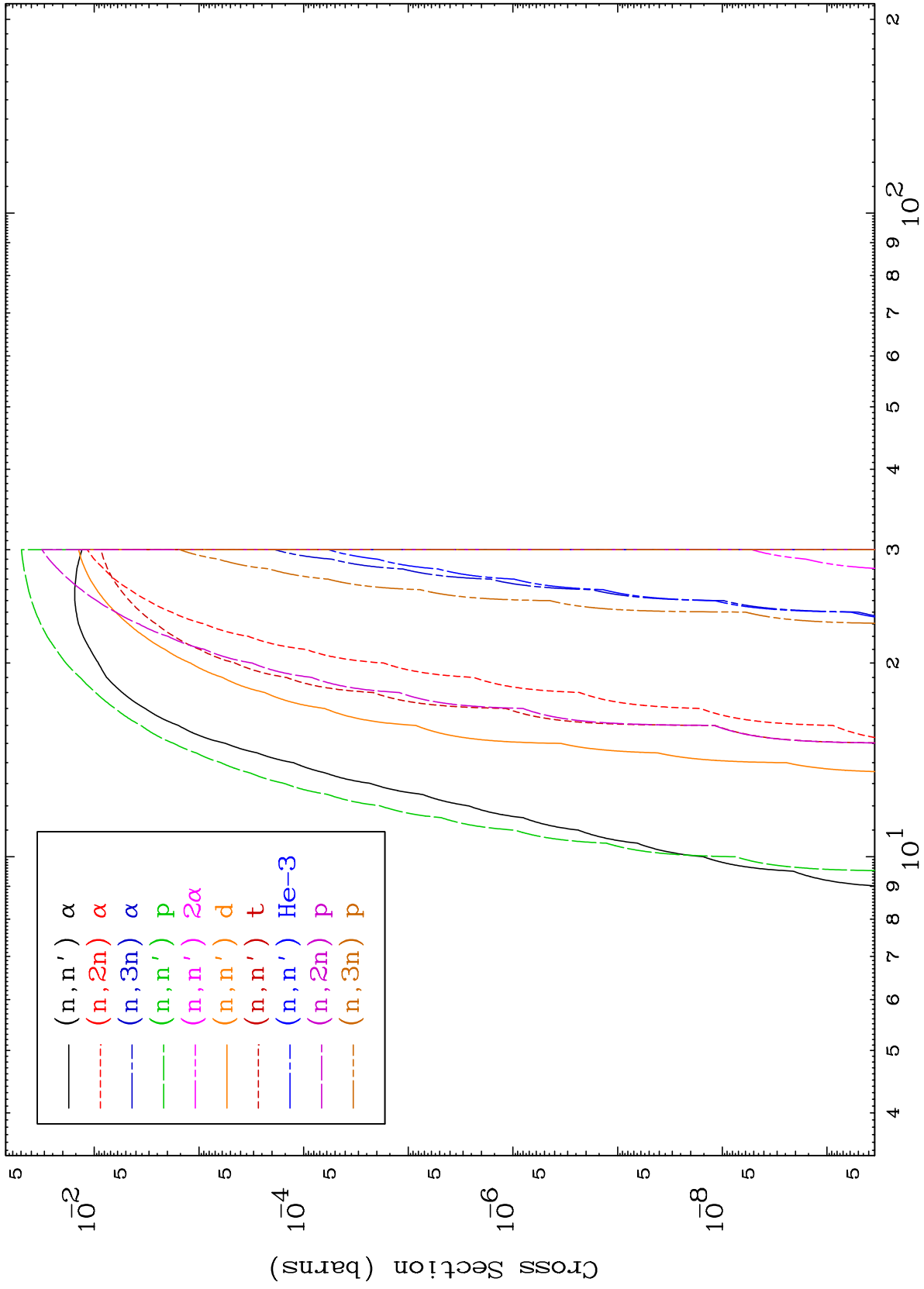


2

Incident Energy (MeV)

41-Nb-98

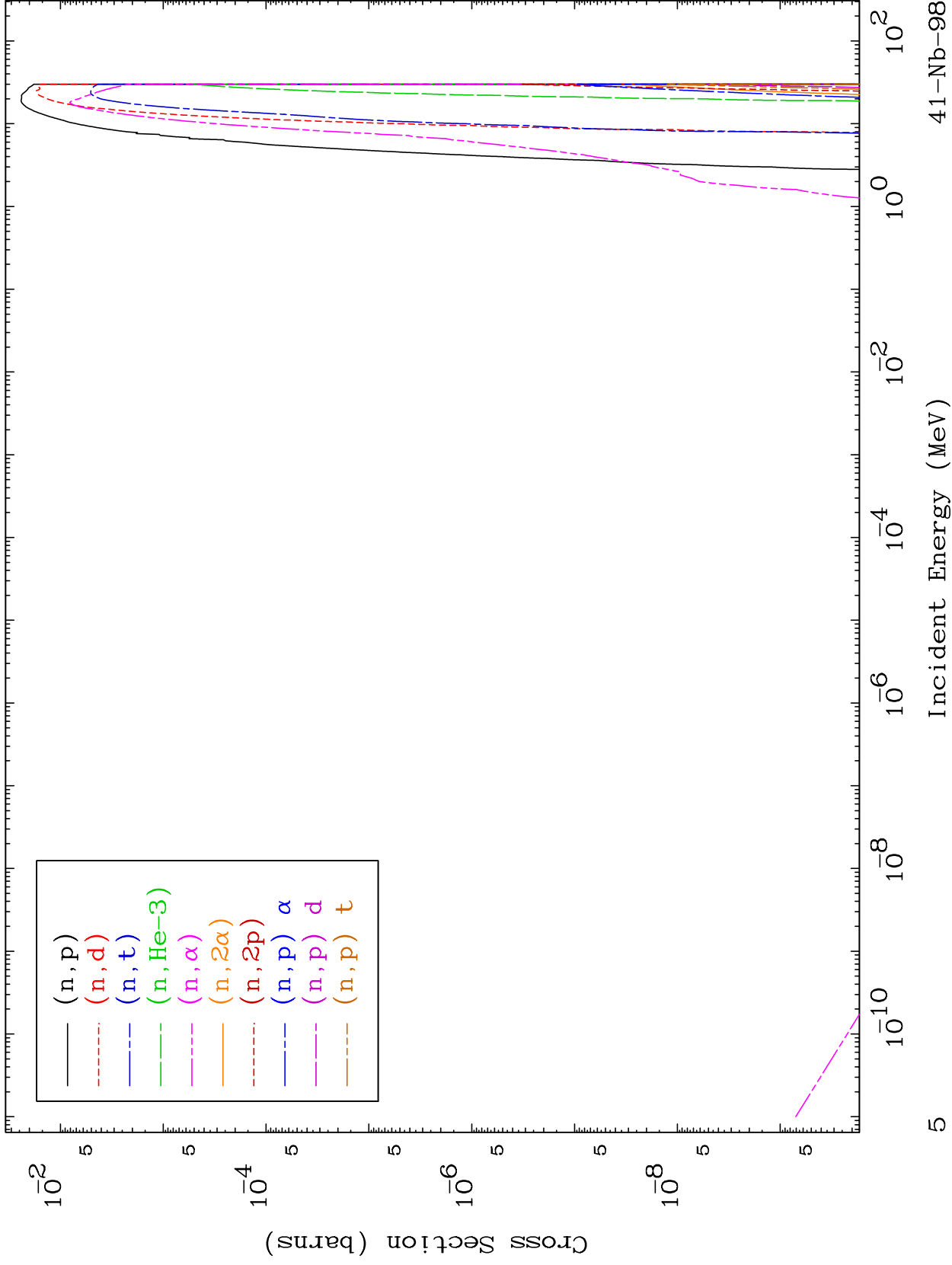




MAT 4140

Charged Particle  
293 Kelvin Cross Sections

41-Nb-98

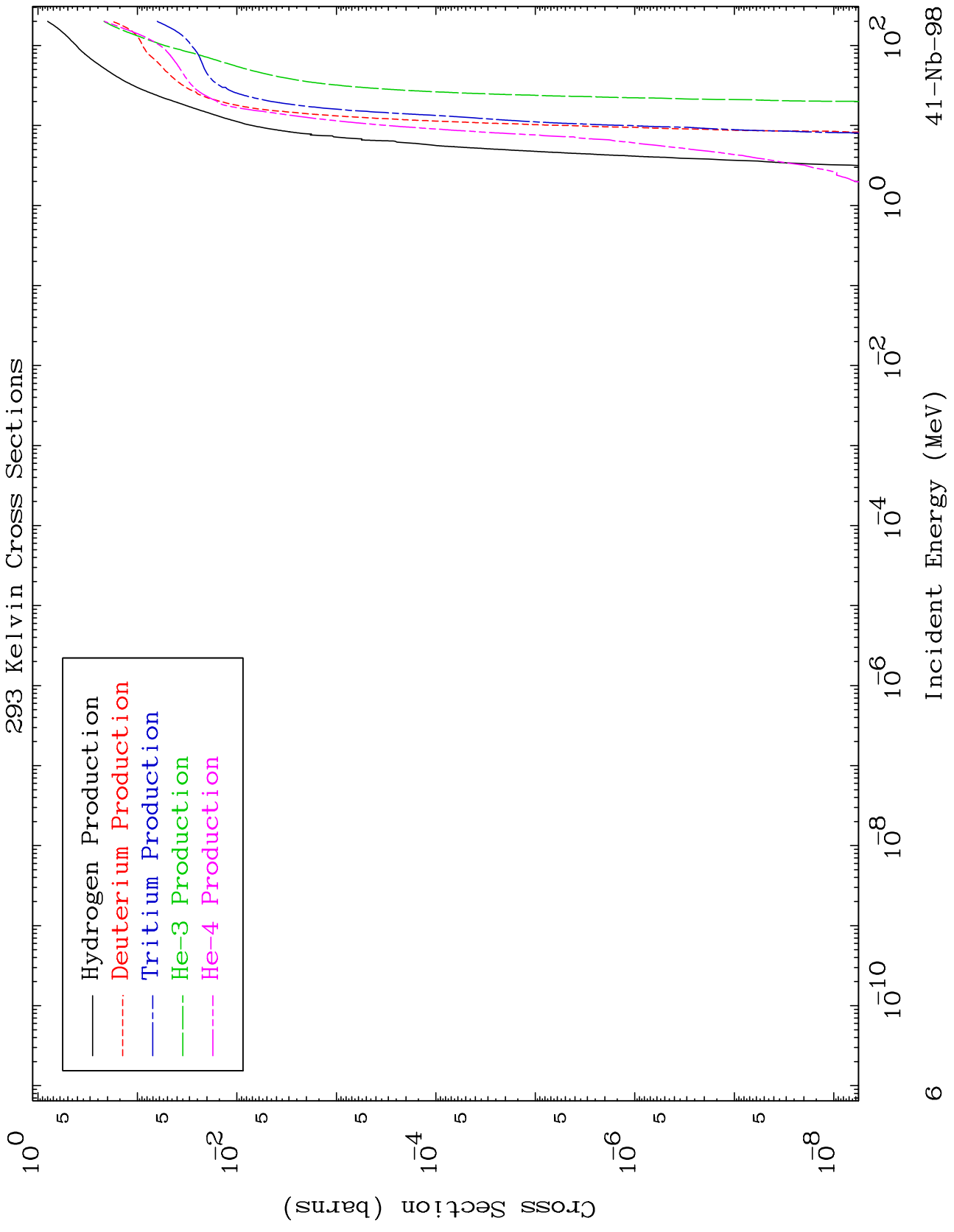


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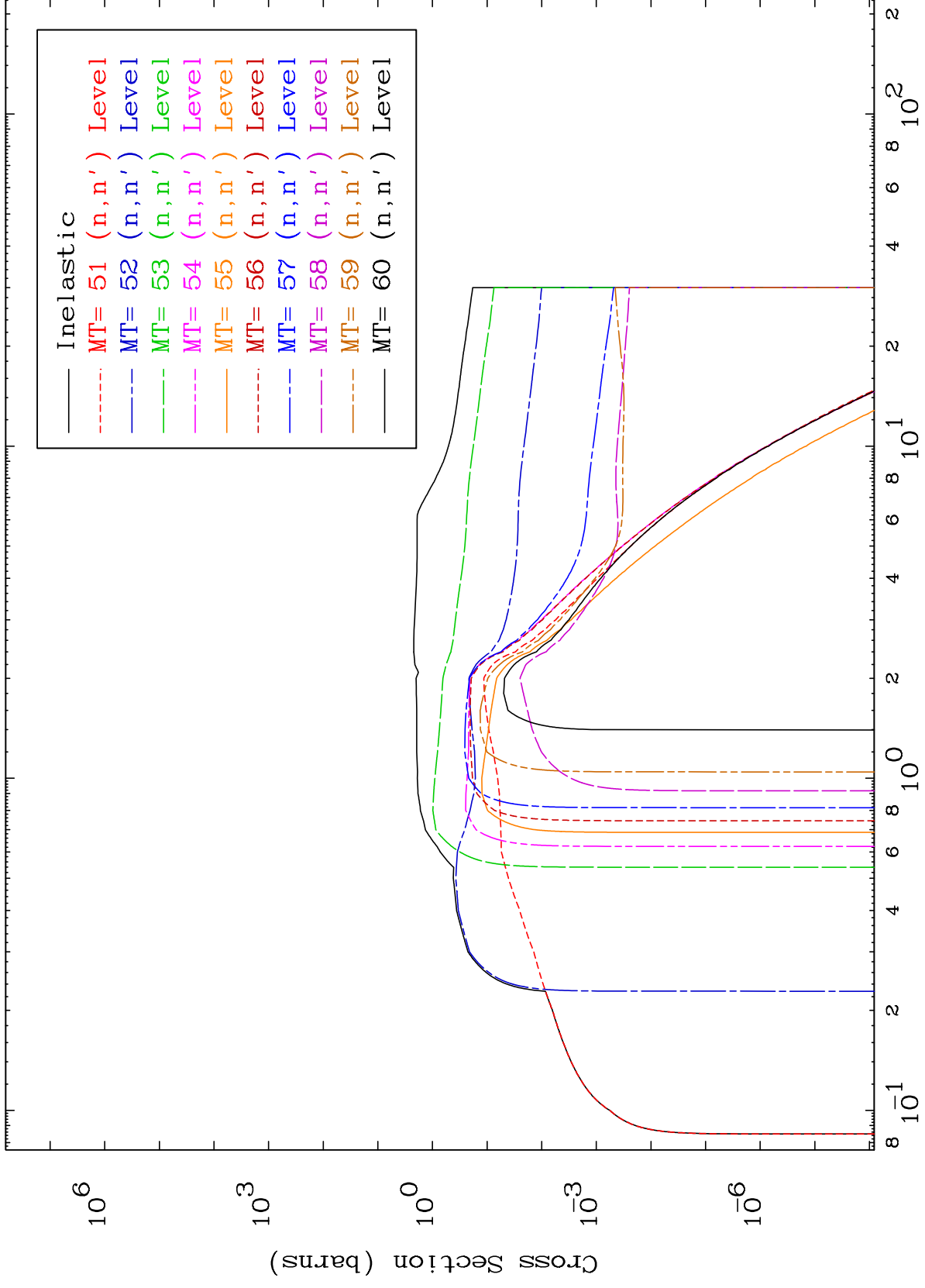
MAT 4140

Particle Production  
293 Kelvin Cross Sections

41-Nb-98



293 Kelvin Cross Sections



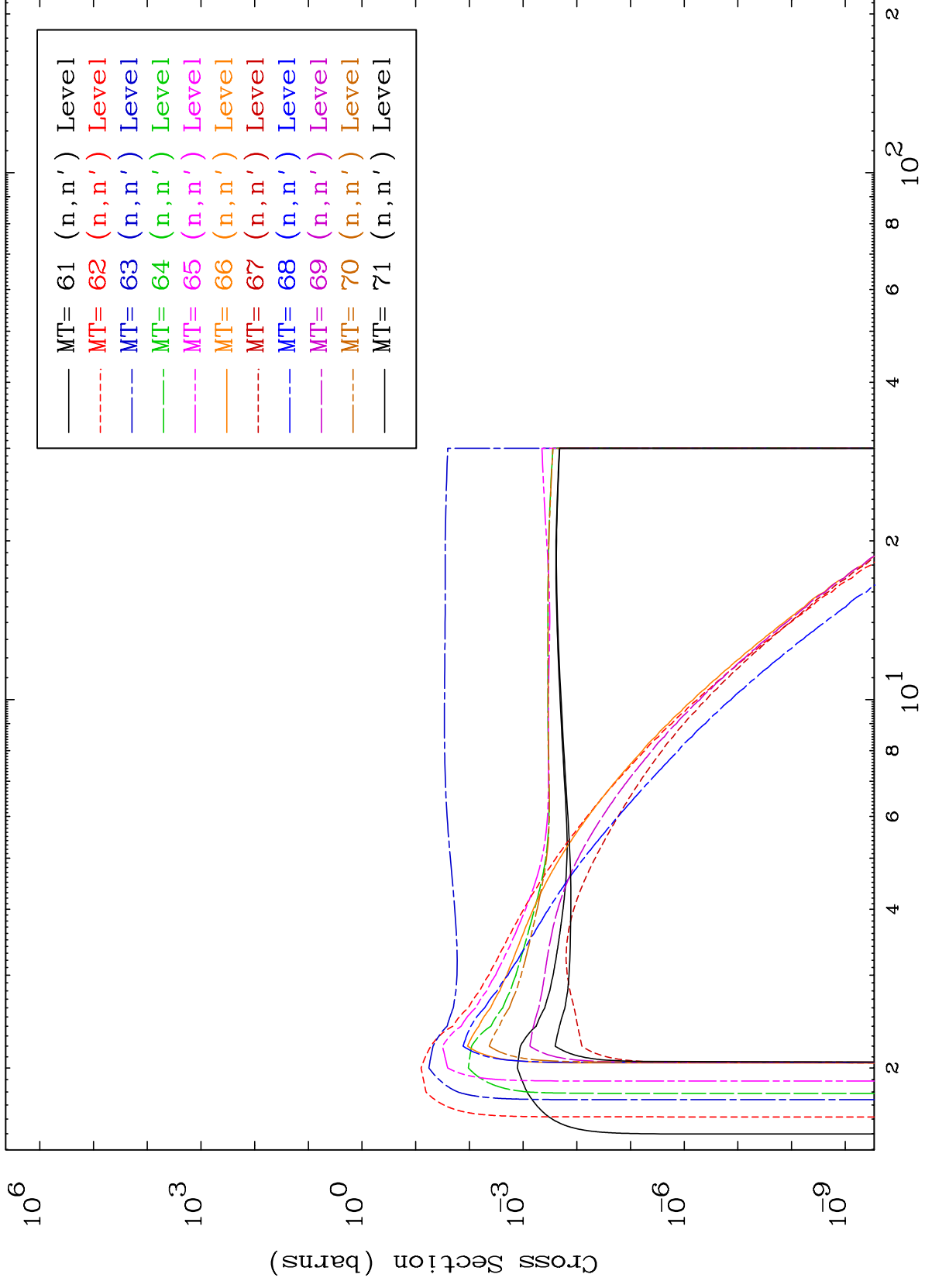


MAT 4140

(n,n') Level

293 Kelvin Cross Sections

41-Nb-98

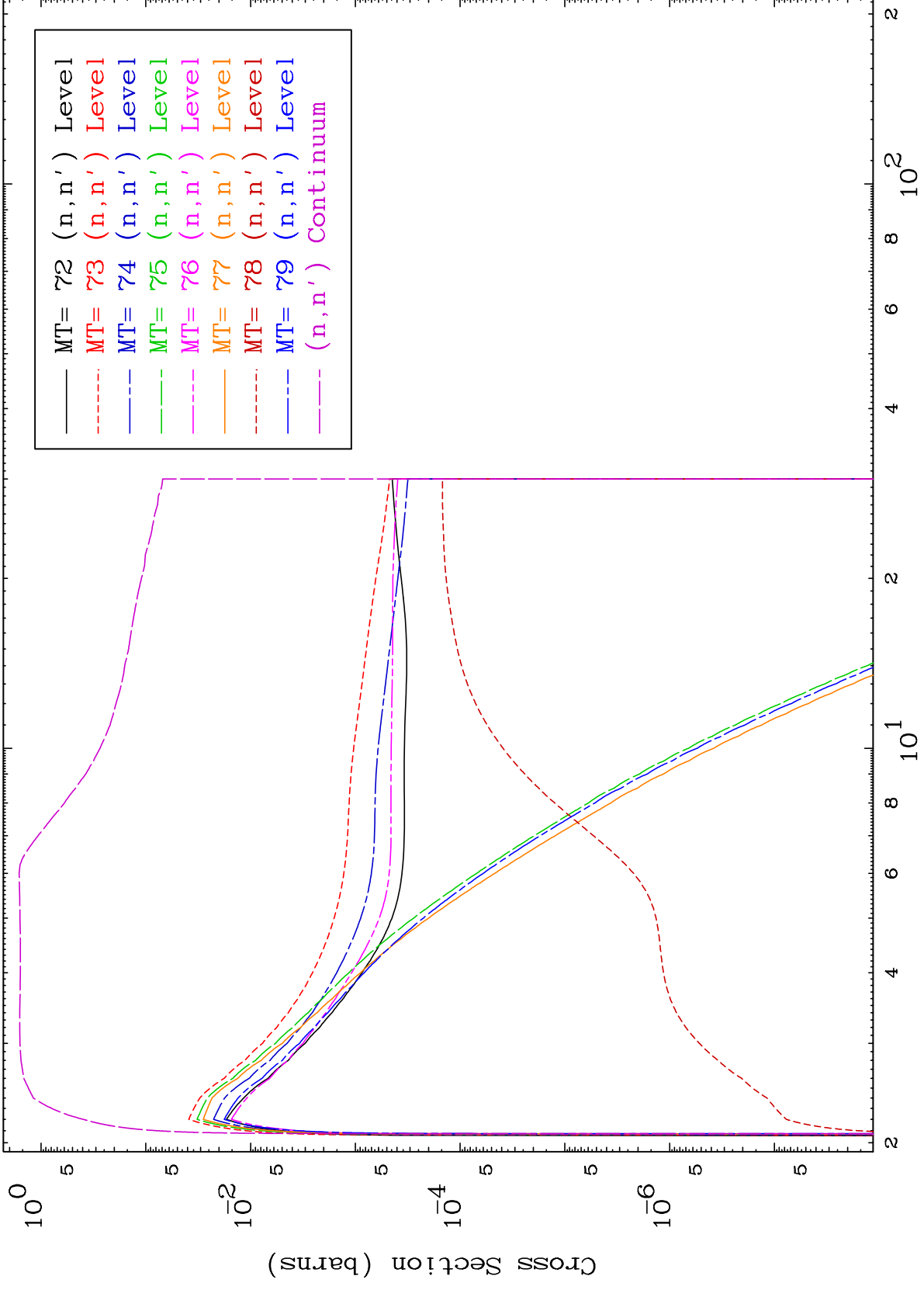


8

Incident Energy (MeV)

41-Nb-98

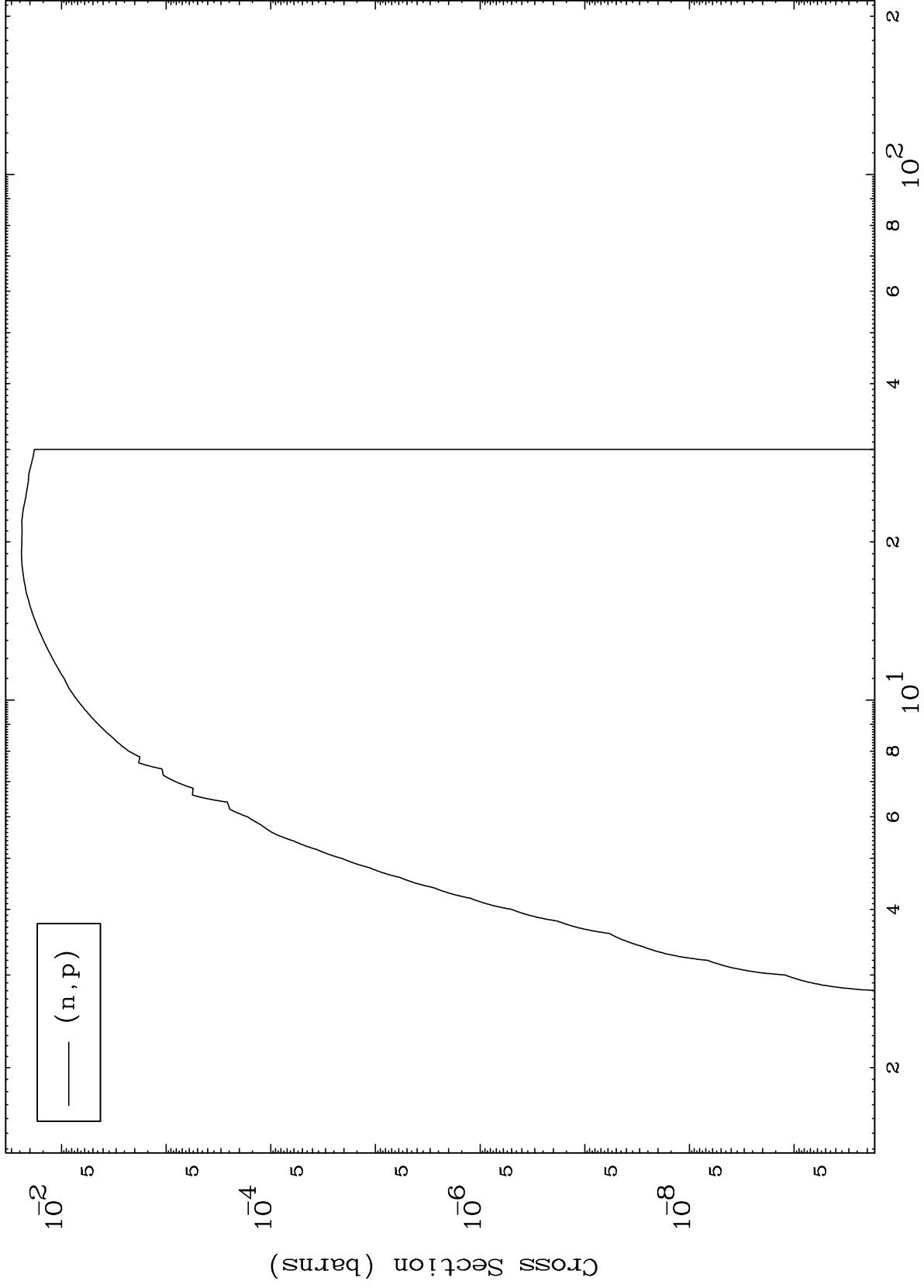
293 Kelvin Cross Sections



MAT 4140

(n,p) Levels  
293 Kelvin Cross Sections

41-Nb-98



10

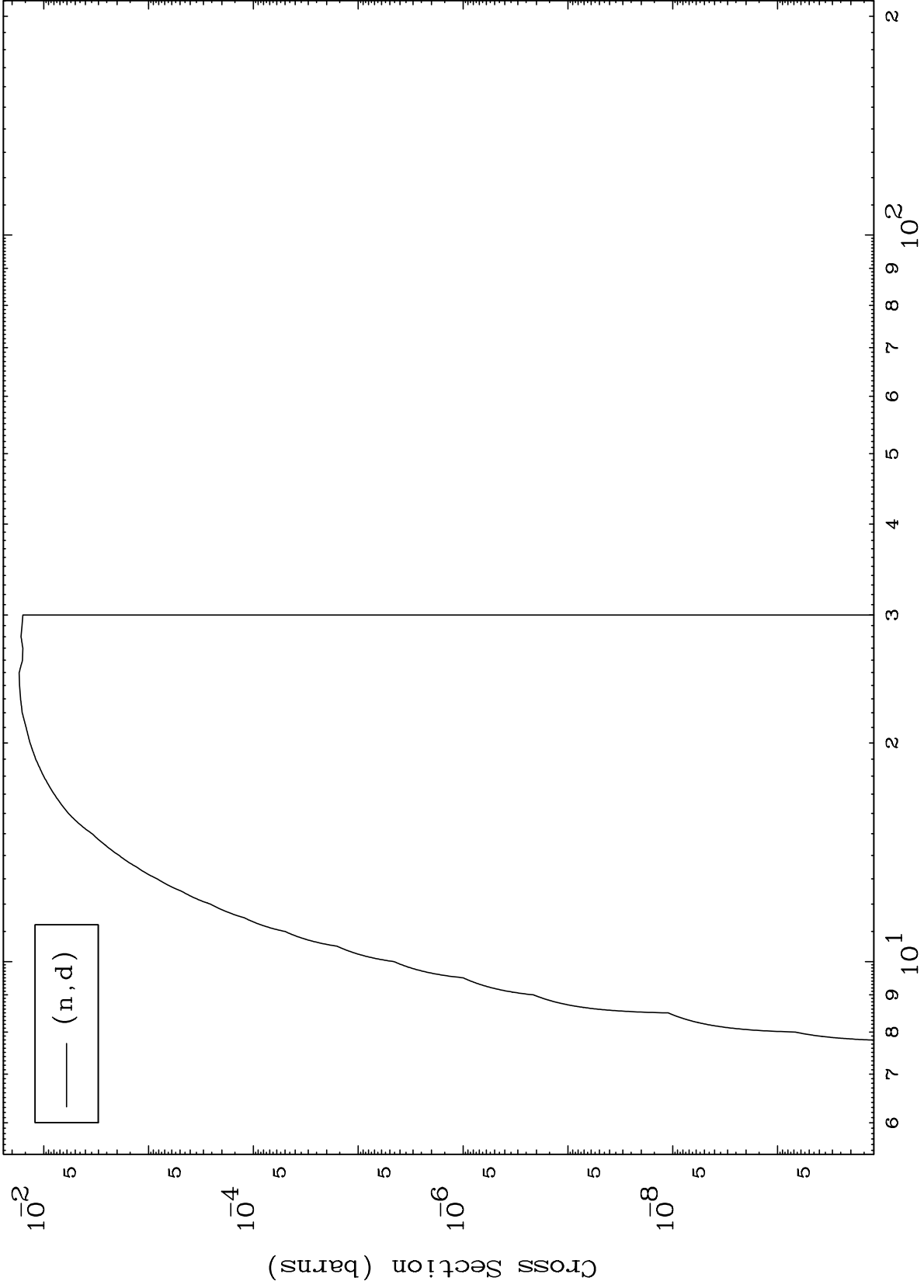
Incident Energy (MeV)

41-Nb-98

MAT 4140

(n,d) Levels  
293 Kelvin Cross Sections

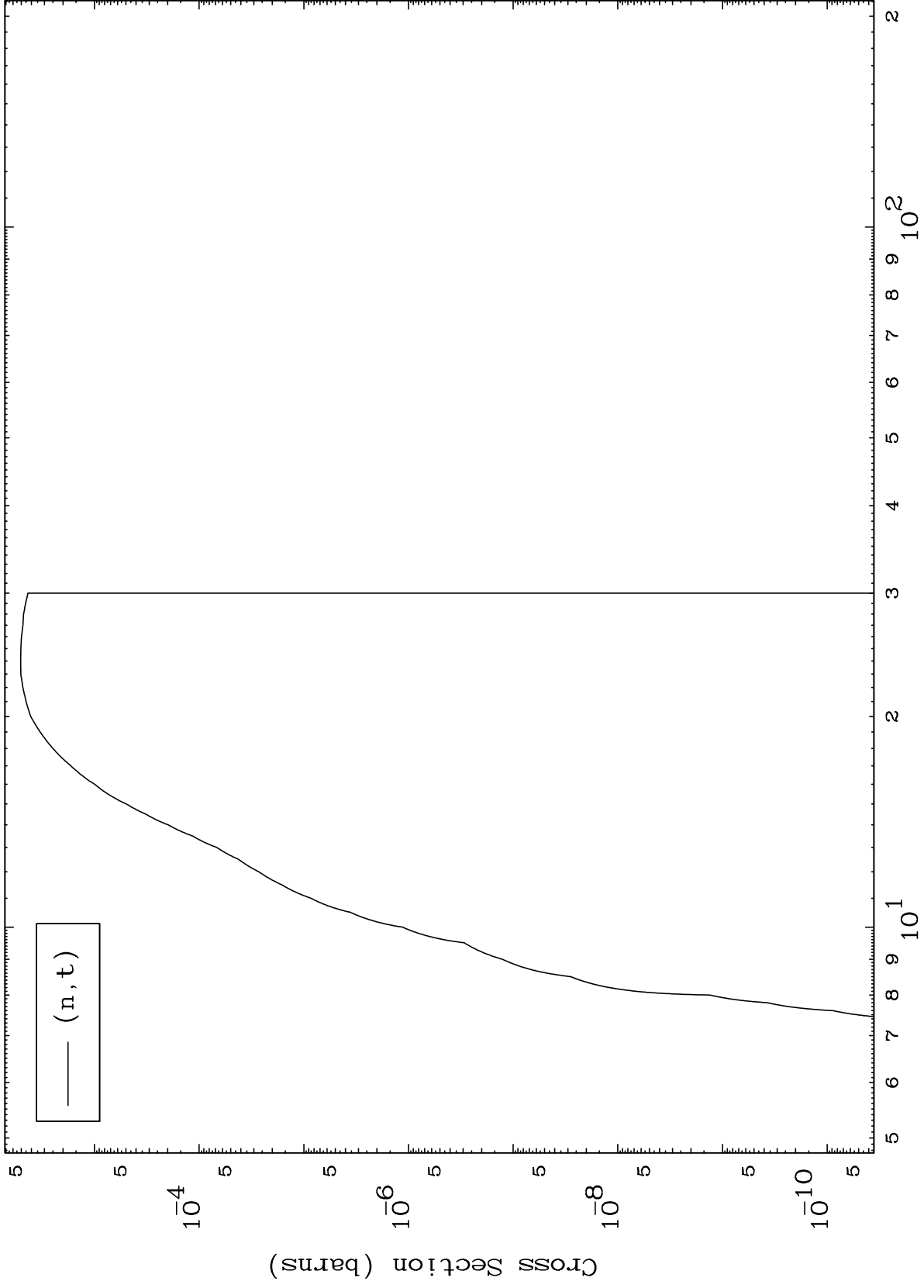
41-Nb-98



MAT 4140

(n,t) Levels  
293 Kelvin Cross Sections

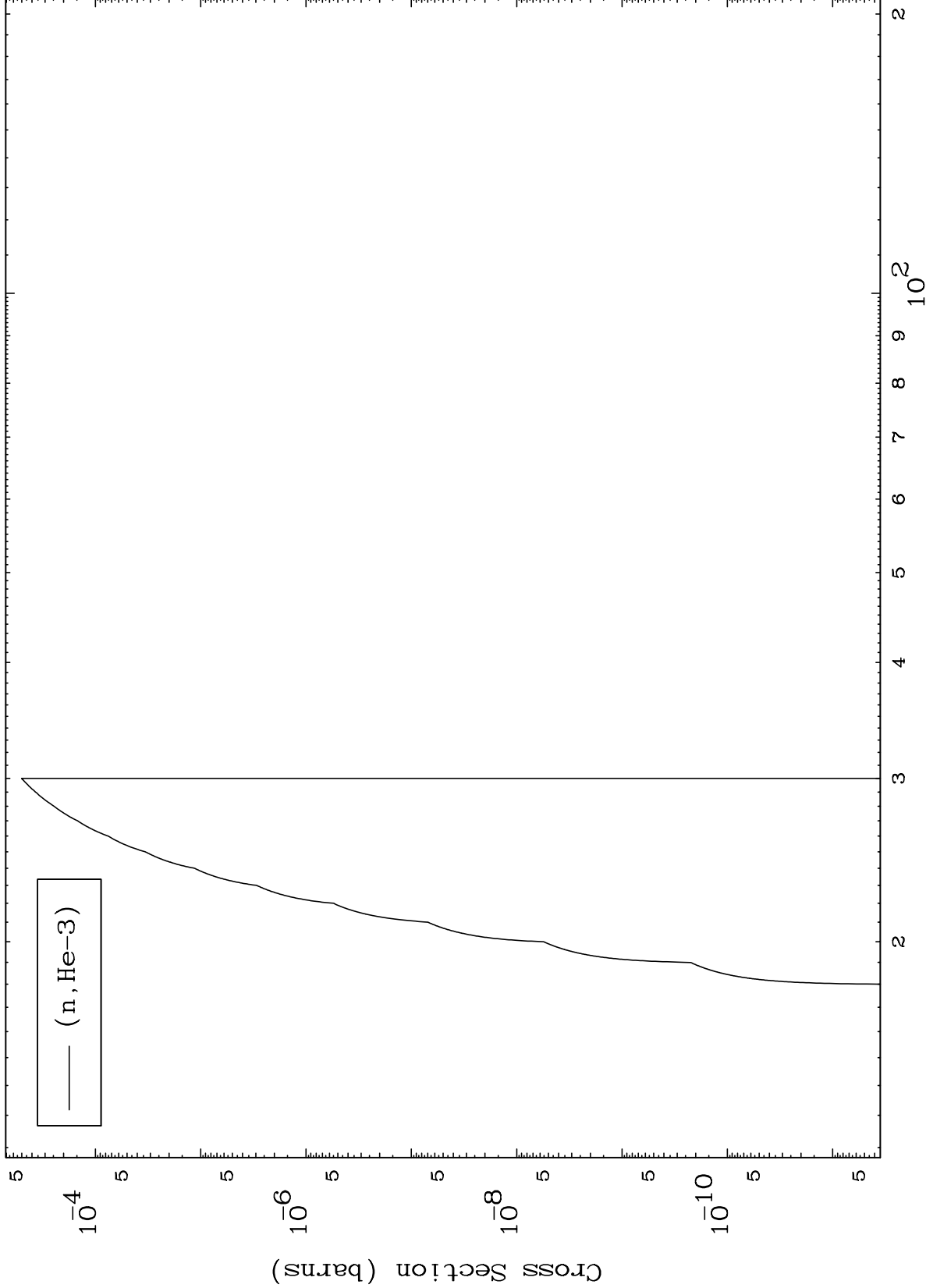
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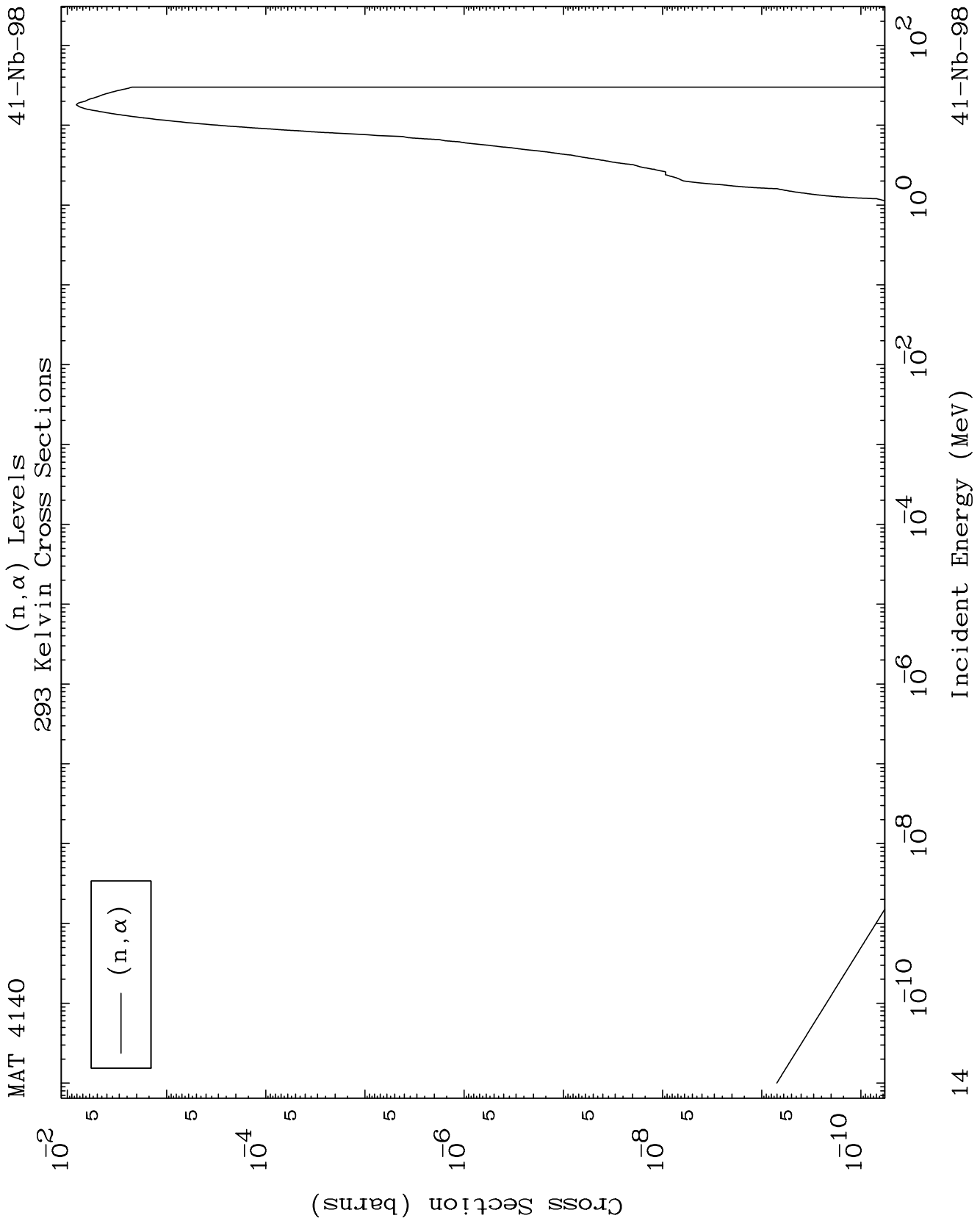


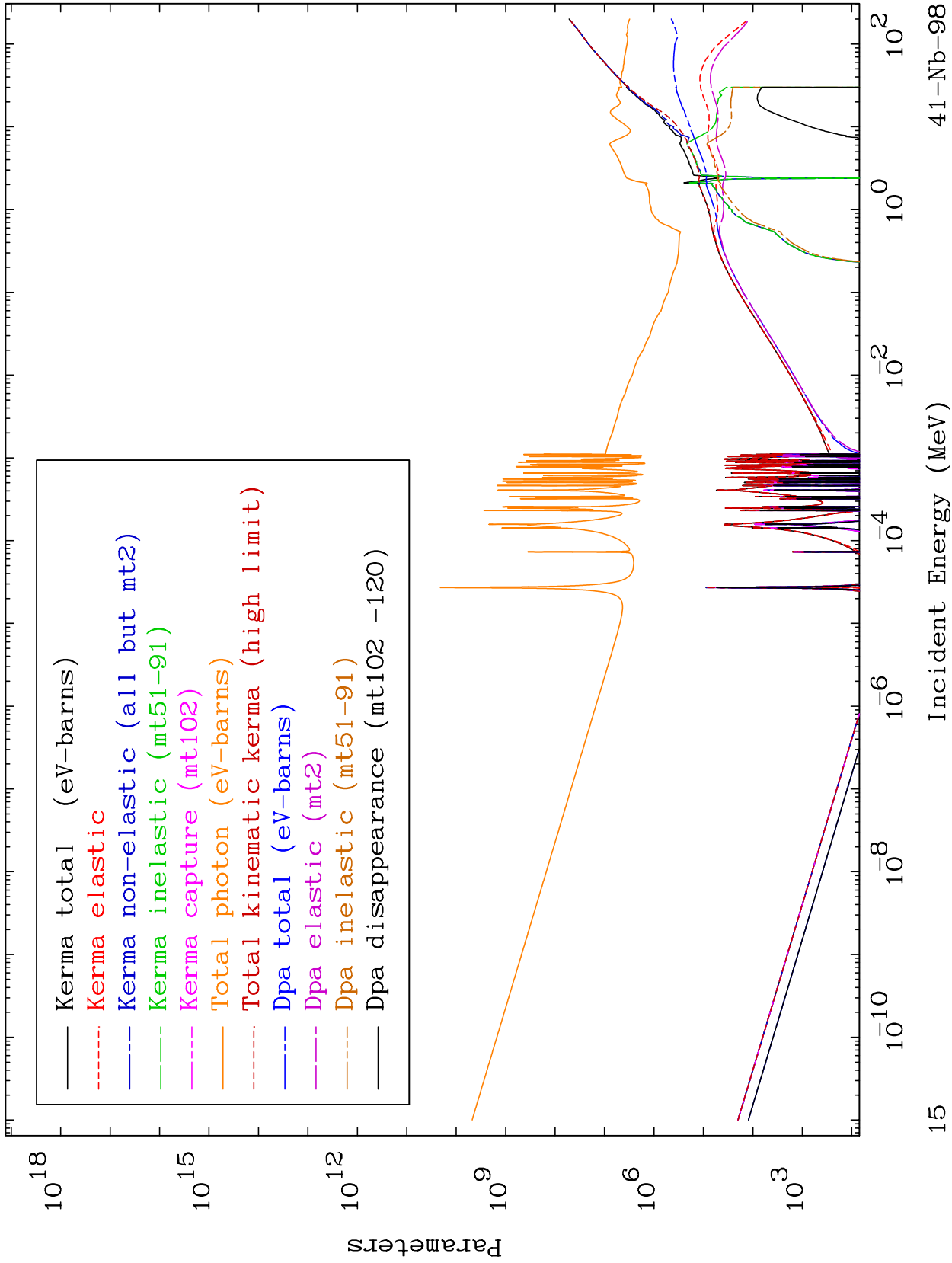
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Incident Energy (MeV)

41-Nb-98





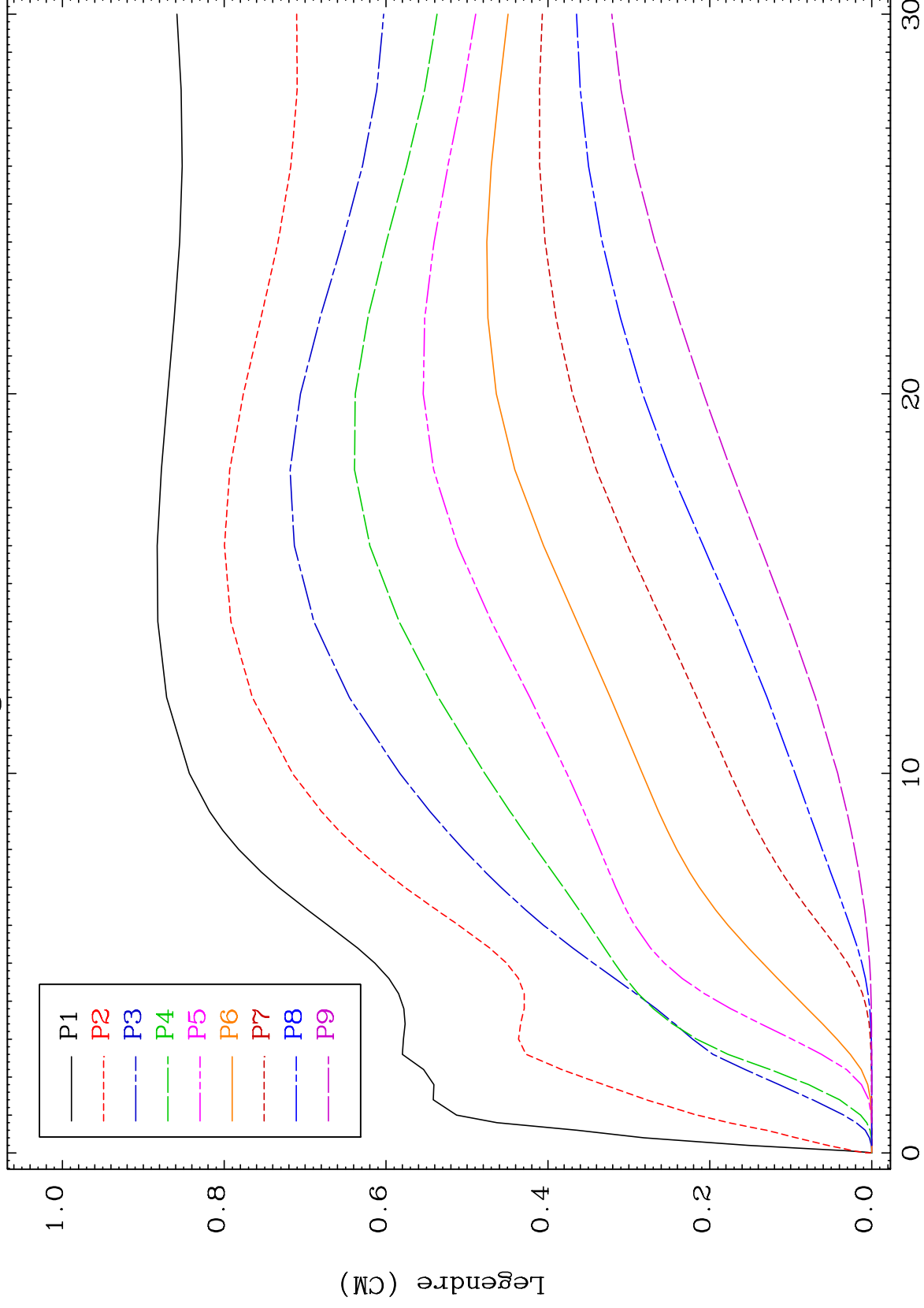




MAT 4140

Elastic Legendre Coefficients

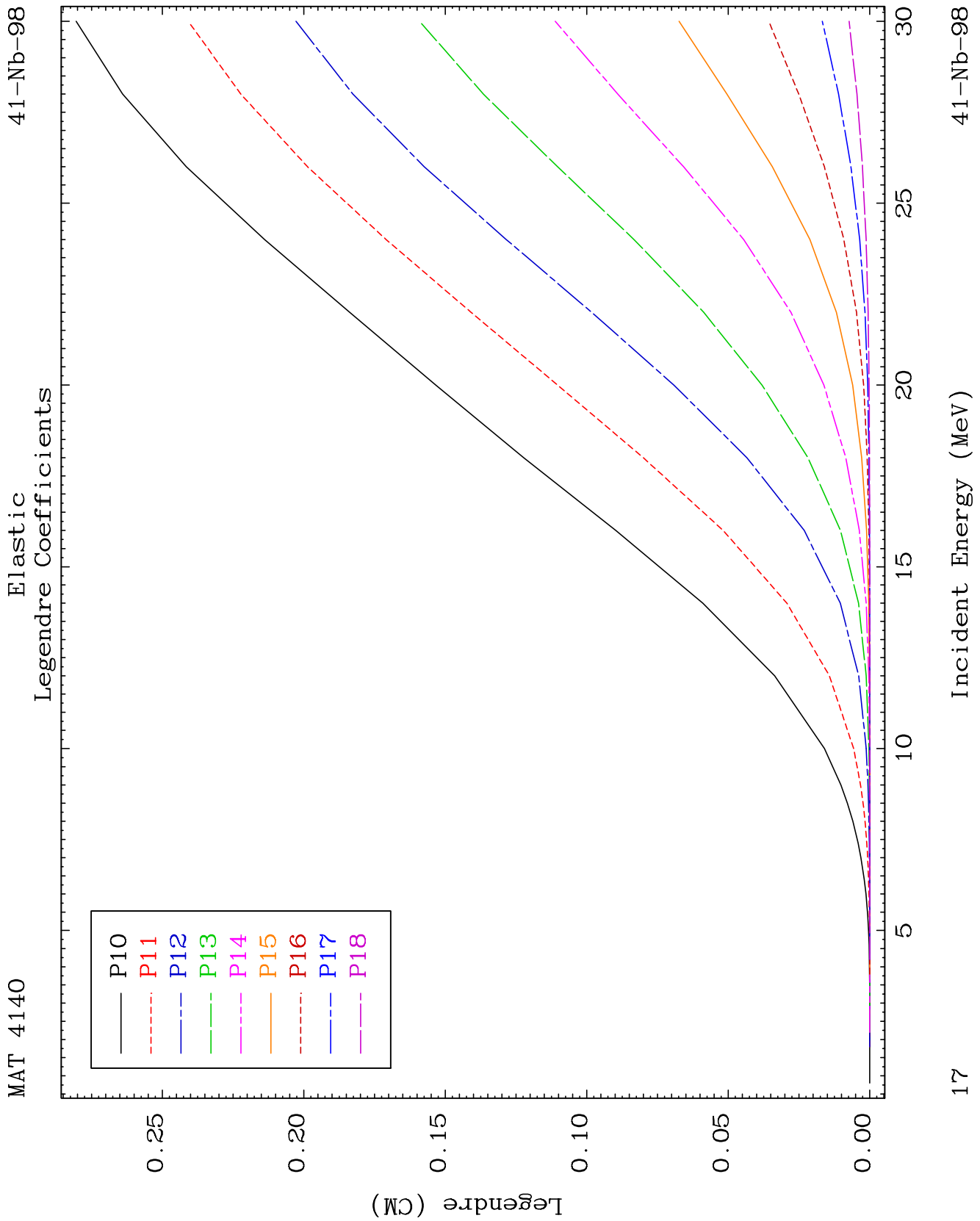
41-Nb-98



16

Incident Energy (MeV)

41-Nb-98



MAT 4140

41-Nb-98

17

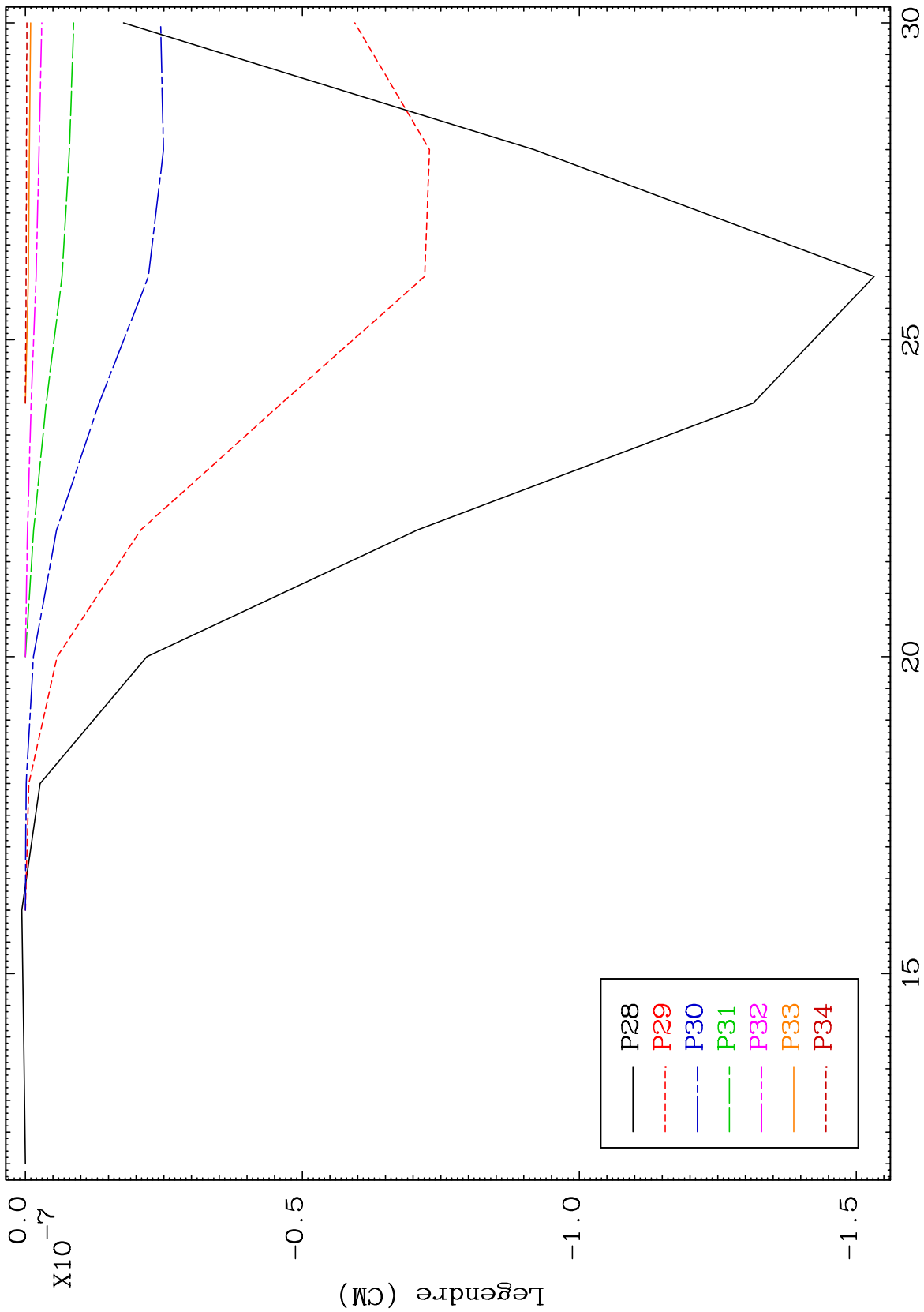
41-Nb-98



MAT 4140

41-Nb-98

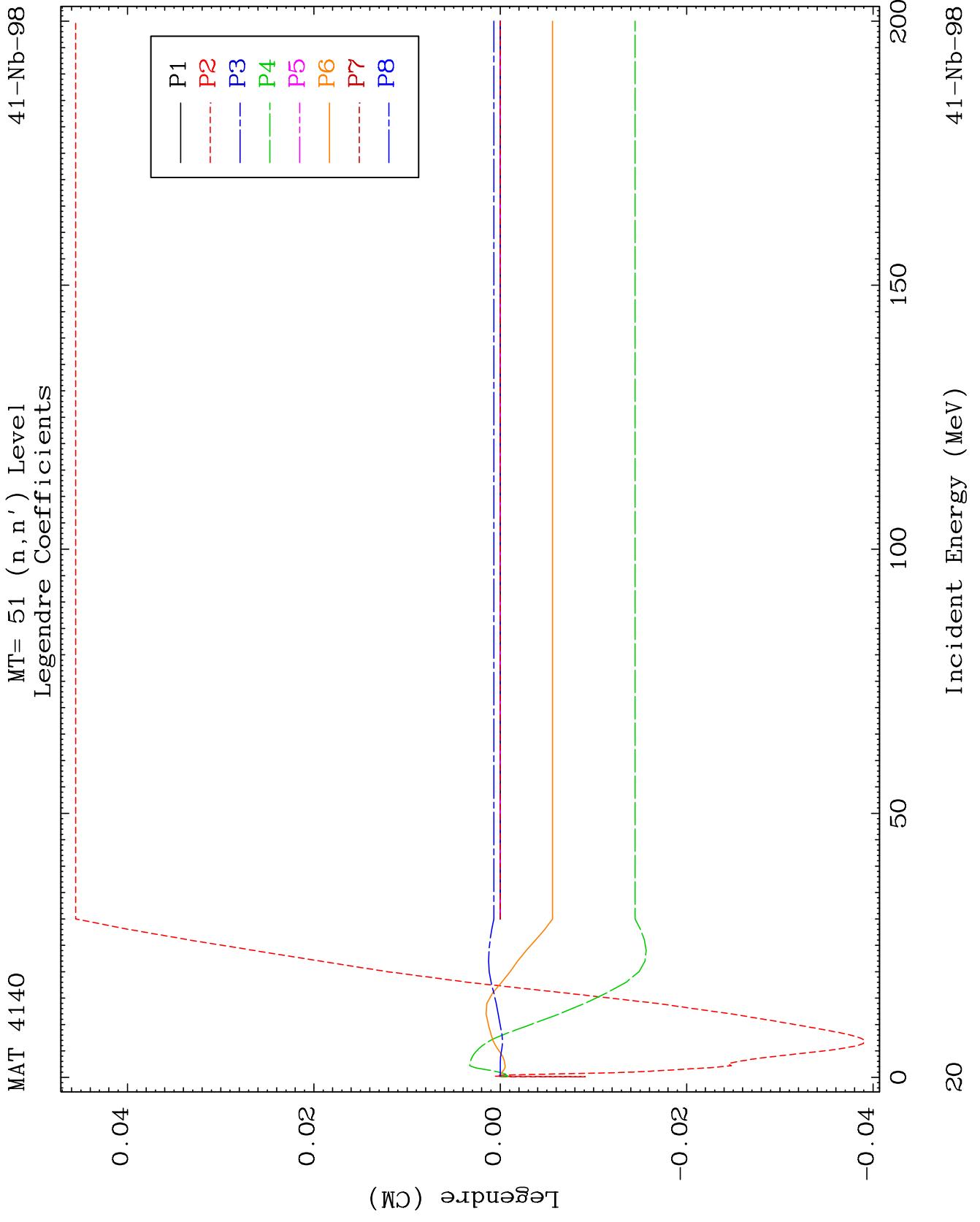
Elastic Legendre Coefficients

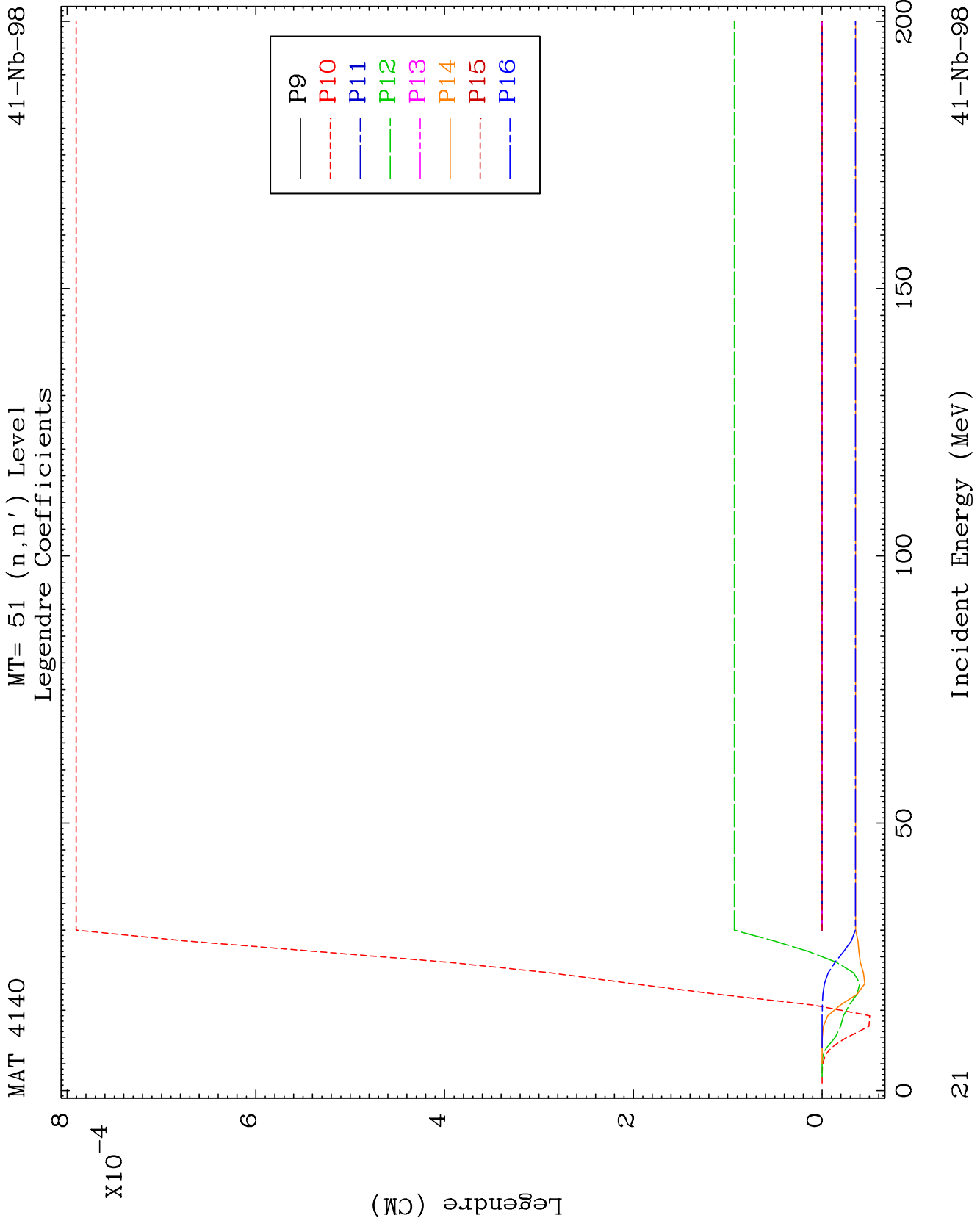


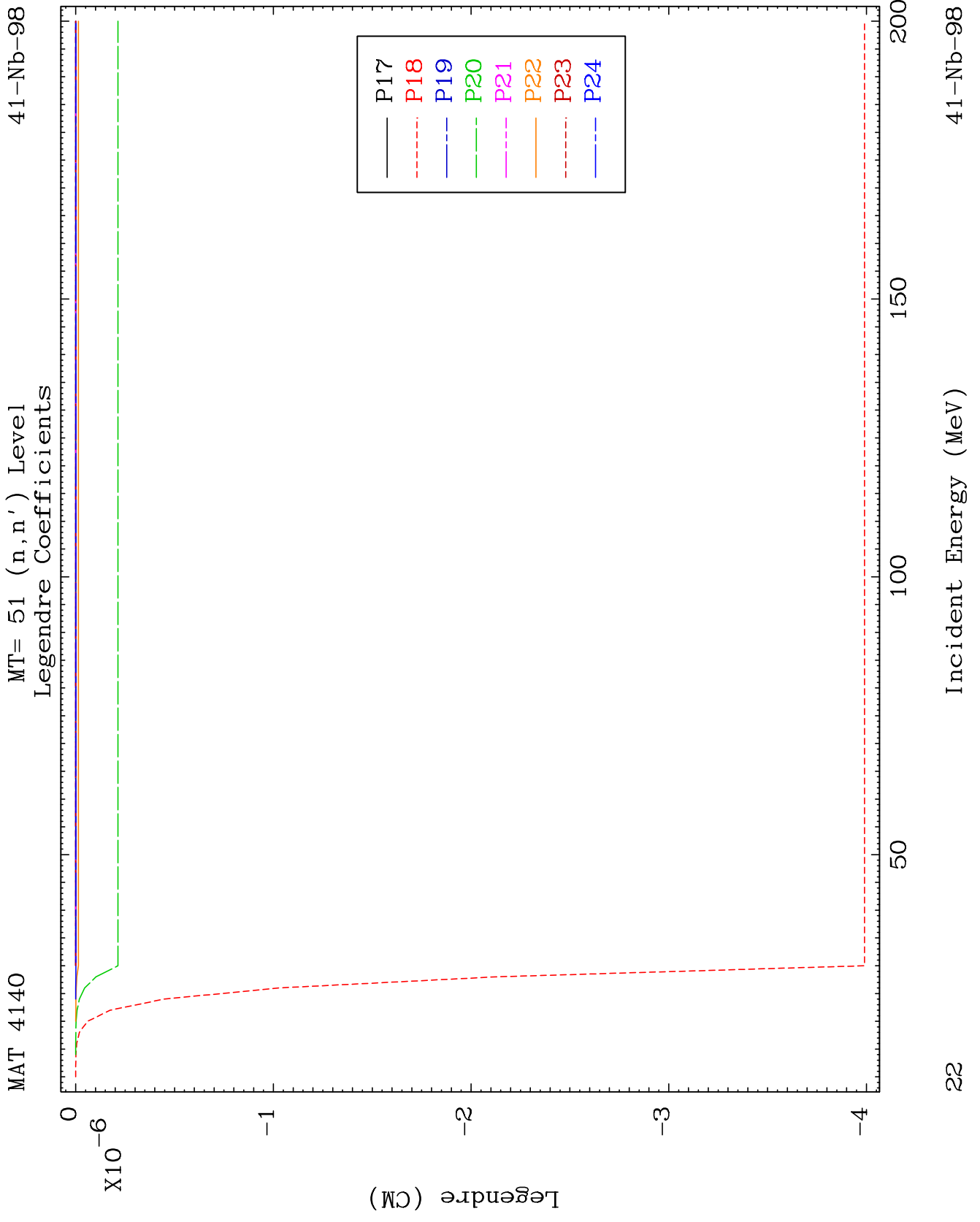
19

Incident Energy (MeV)

41-Nb-98



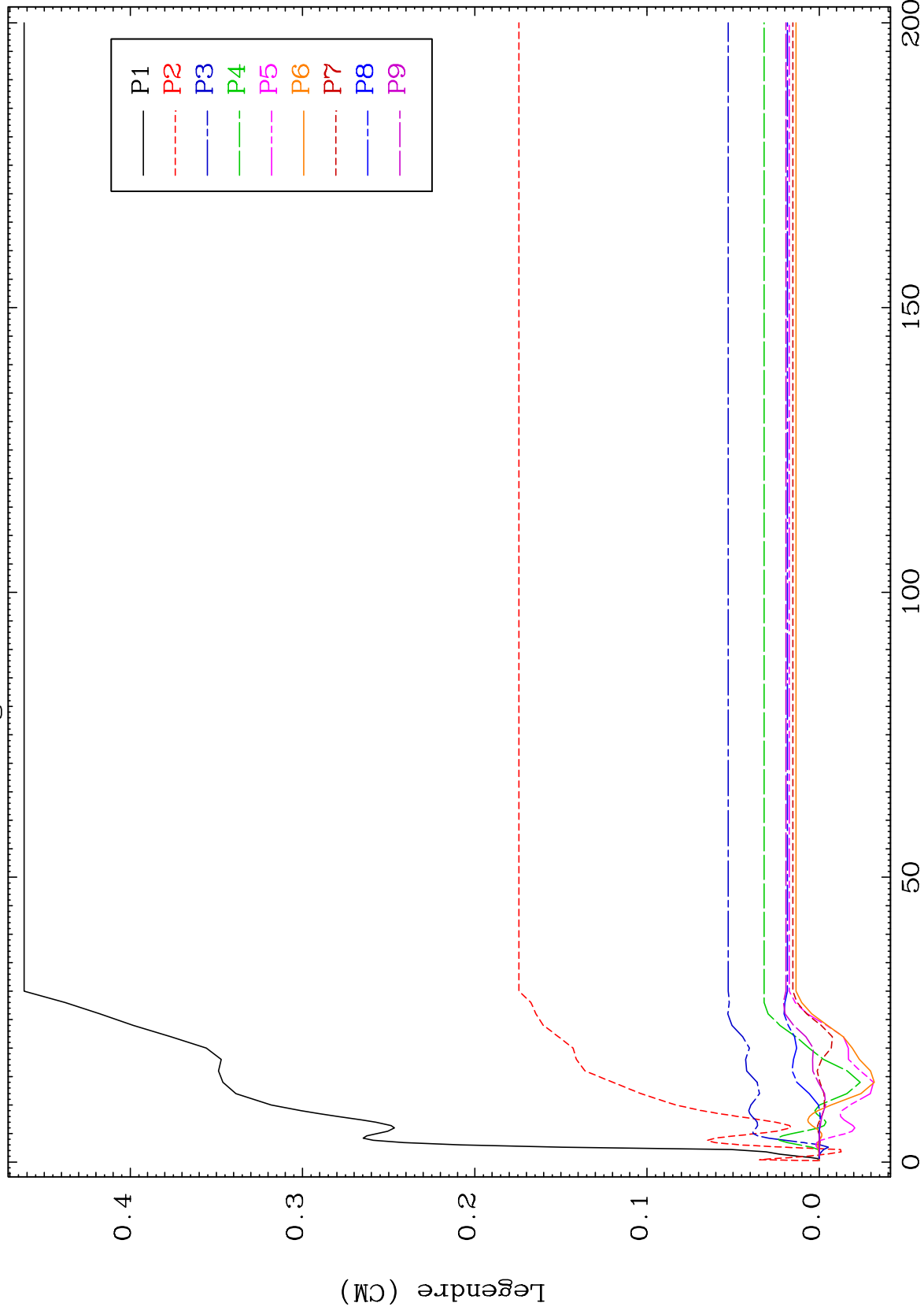




MAT 4140

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

41-Nb-98



23

Incident Energy (MeV)

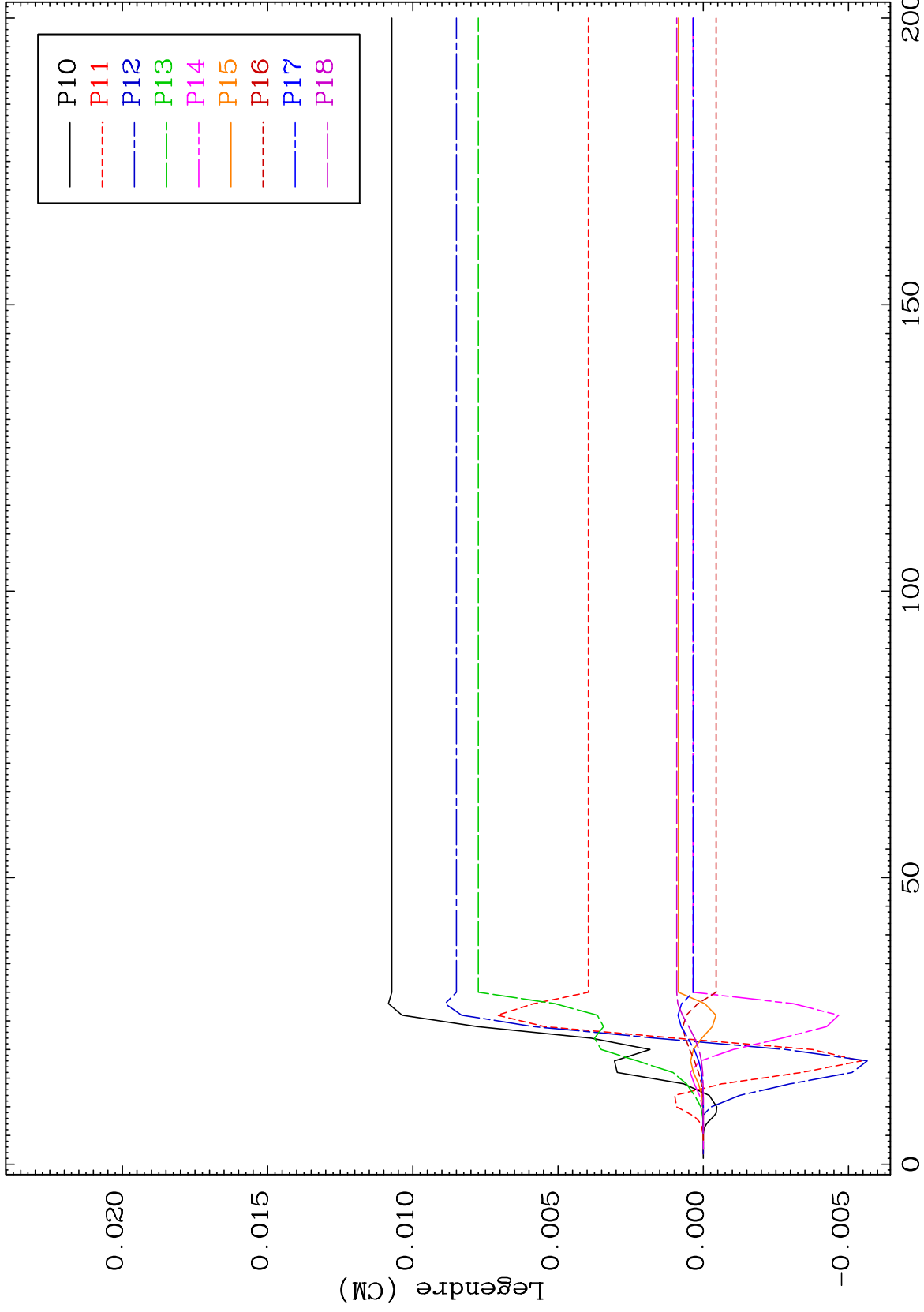
41-Nb-98



MAT 4140

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

41-Nb-98



24

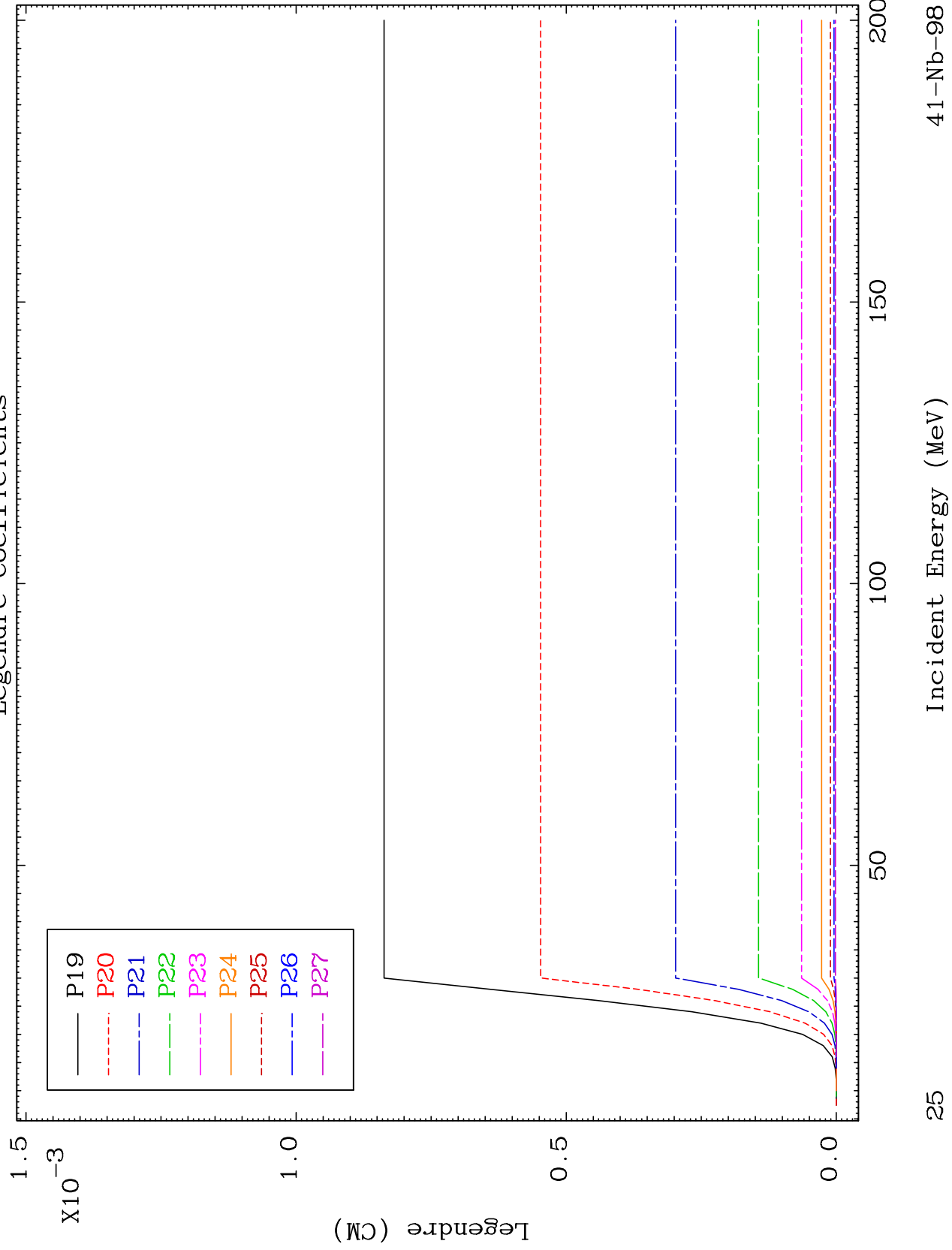
Incident Energy (MeV)

41-Nb-98

MAT 4140

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

41-Nb-98



25

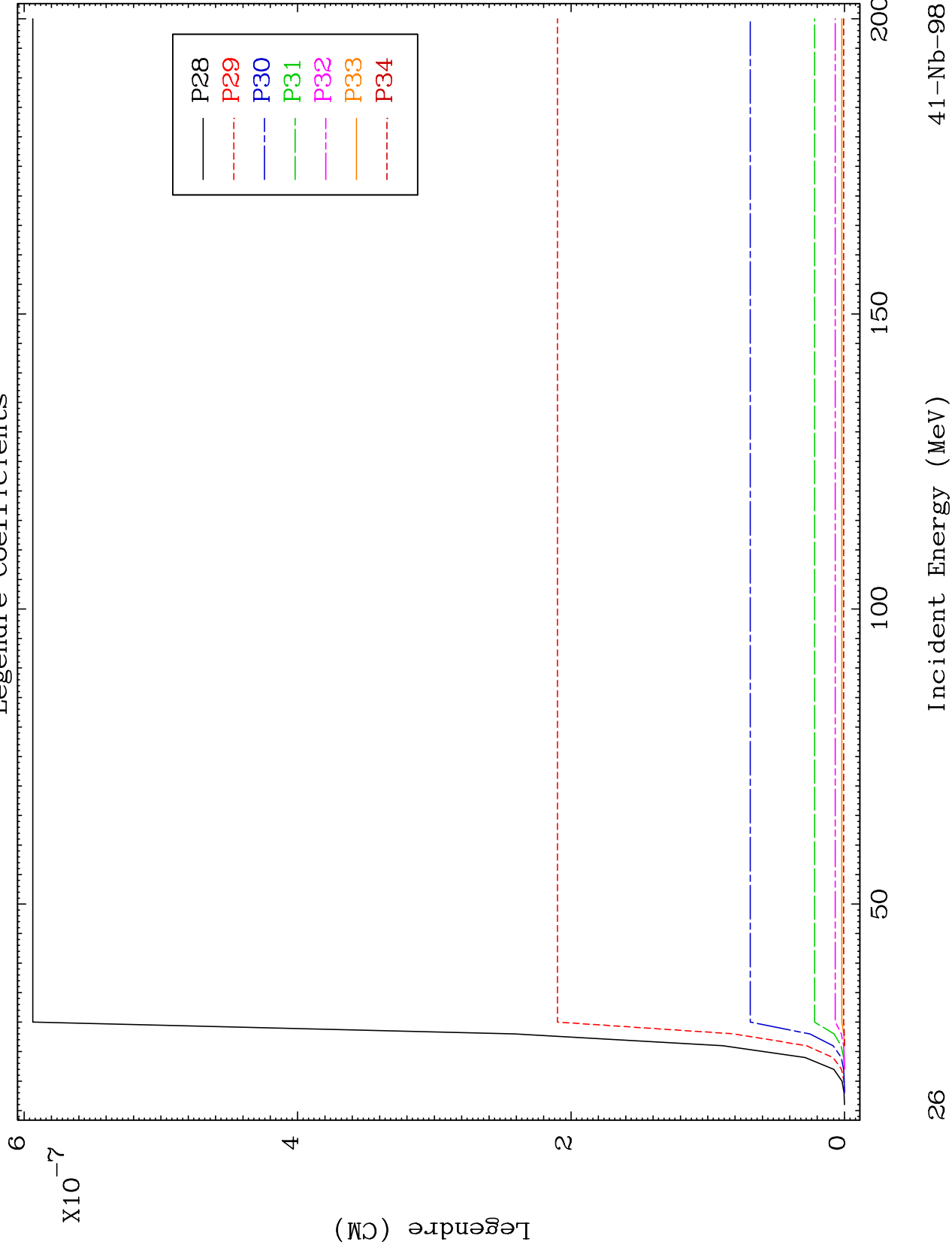
Incident Energy (MeV)

41-Nb-98

MAT 4140

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

41-Nb-98



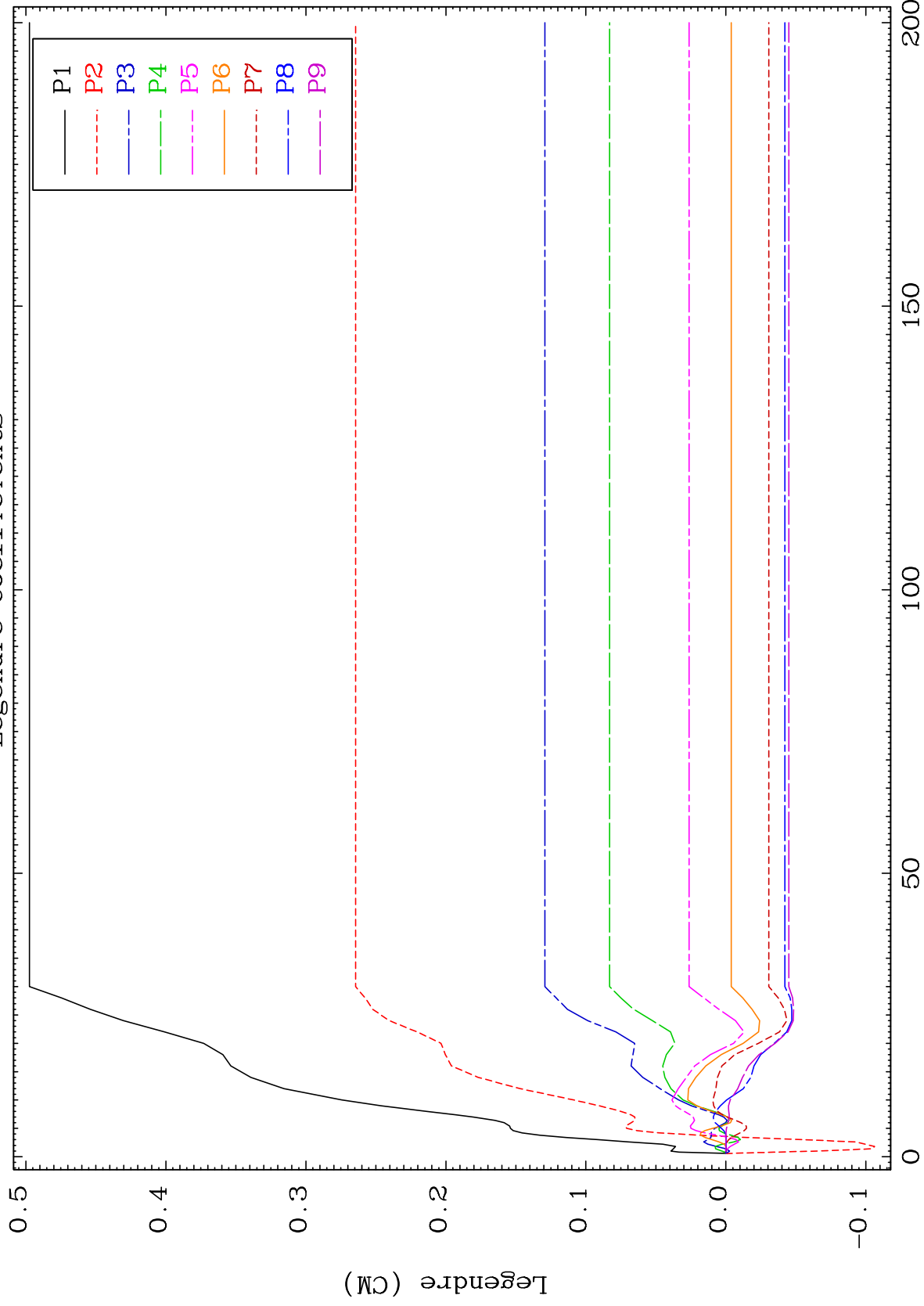
26

MAT 4140

MT= 53 (n,n') Level

41-Nb-98

Legendre Coefficients



27

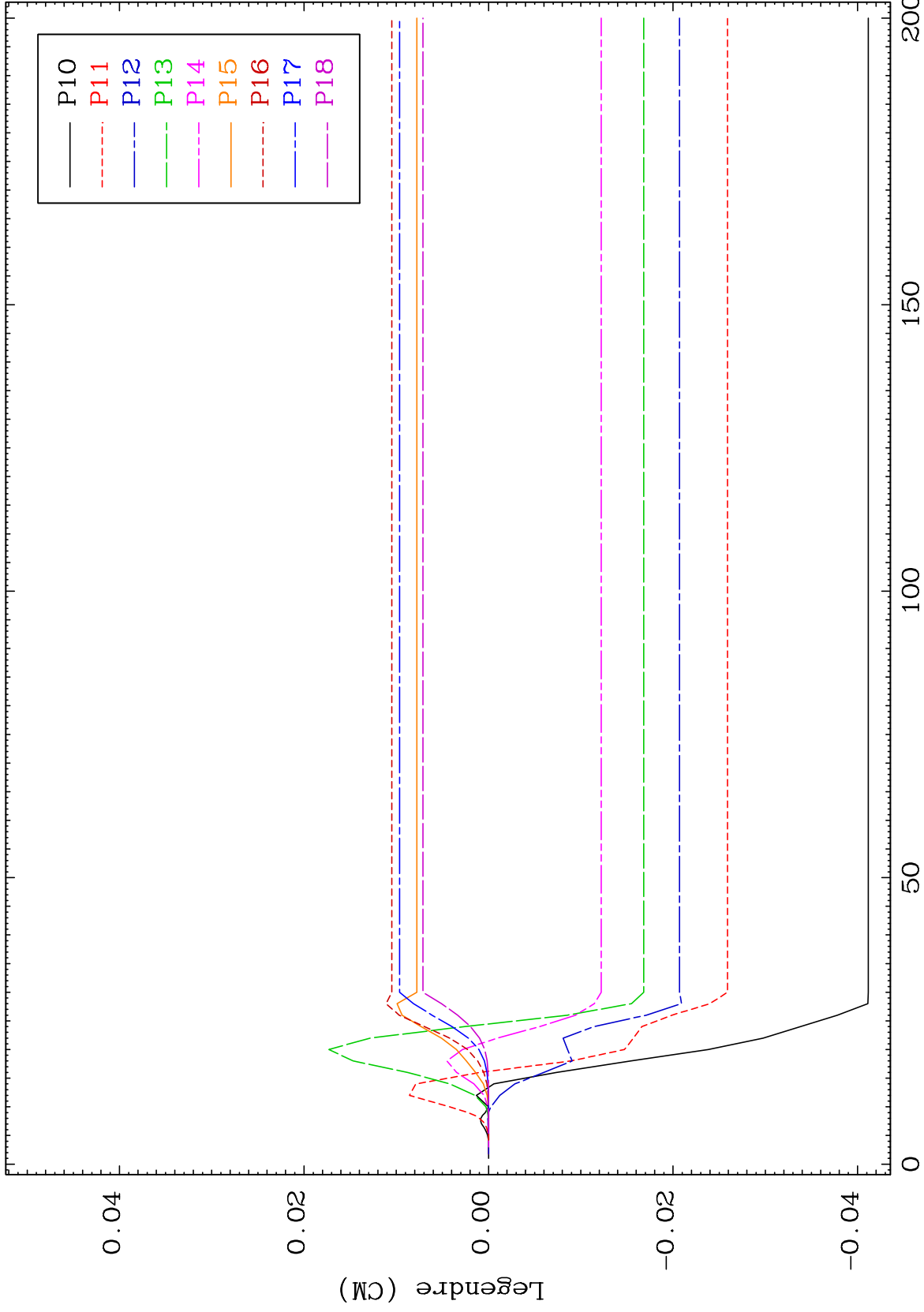
Incident Energy (MeV)

41-Nb-98

MAT 4140

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

41-Nb-98



28

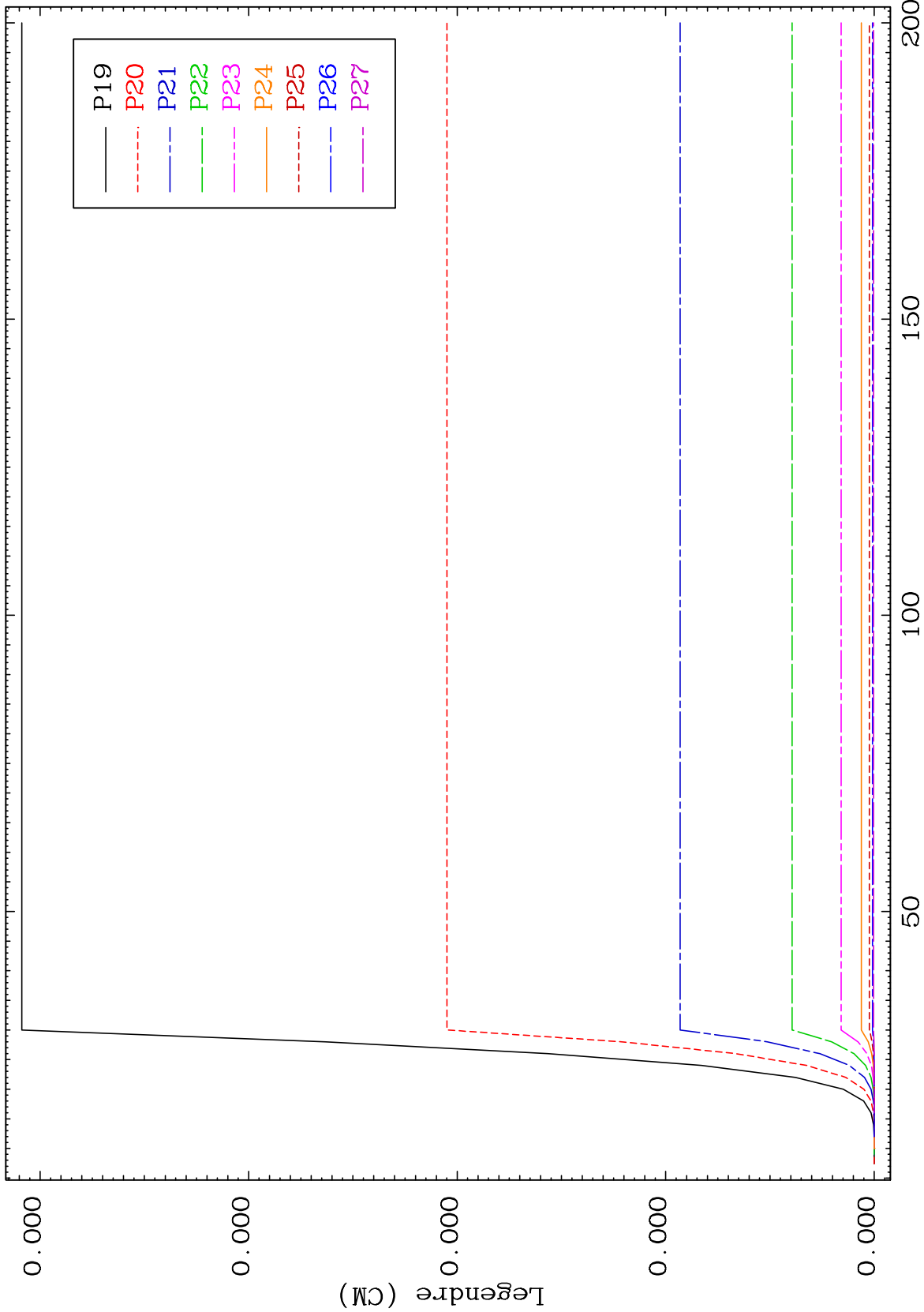
Incident Energy (MeV)

41-Nb-98

MAT 4140

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

41-Nb-98



29

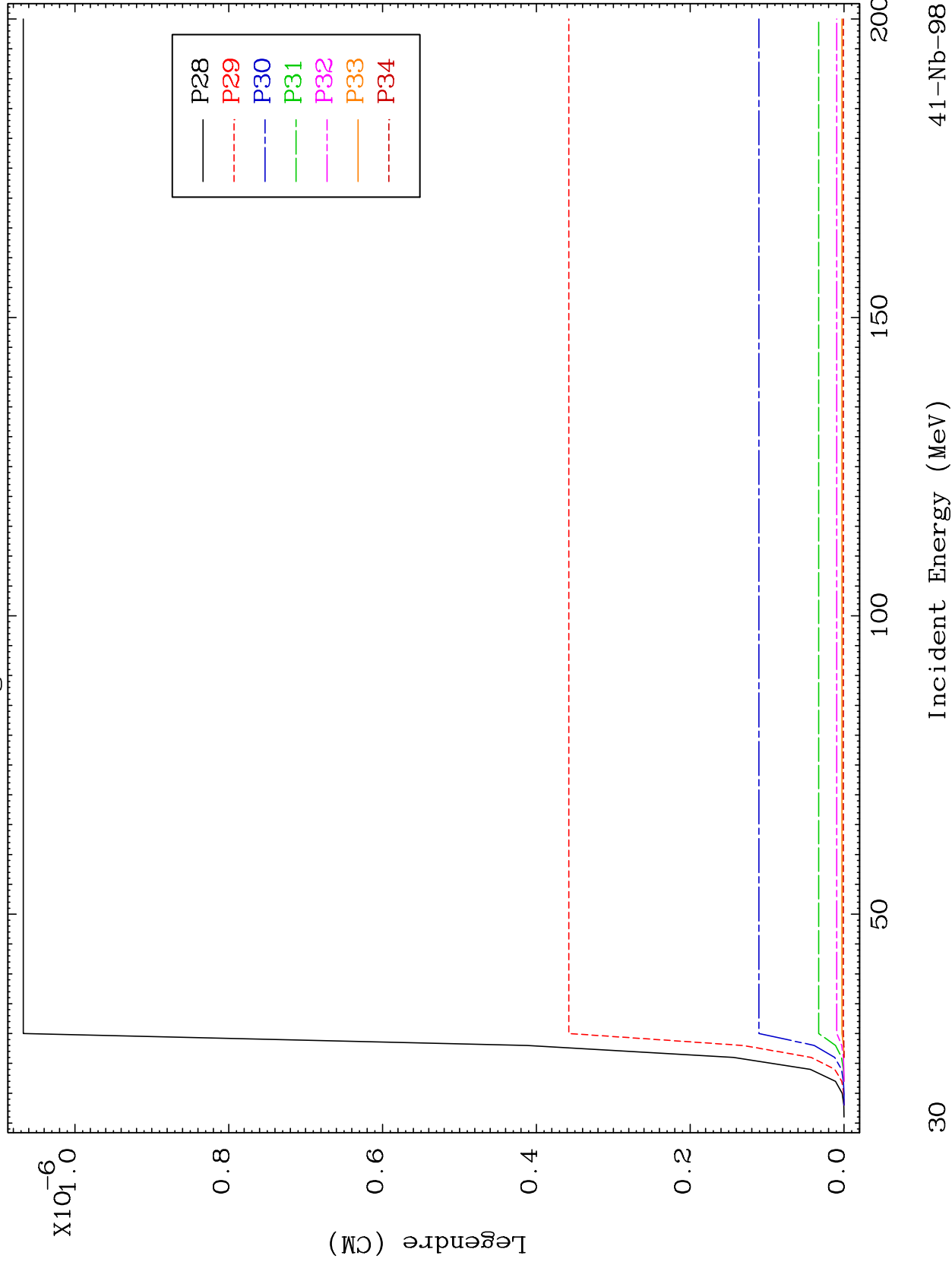
Incident Energy (MeV)

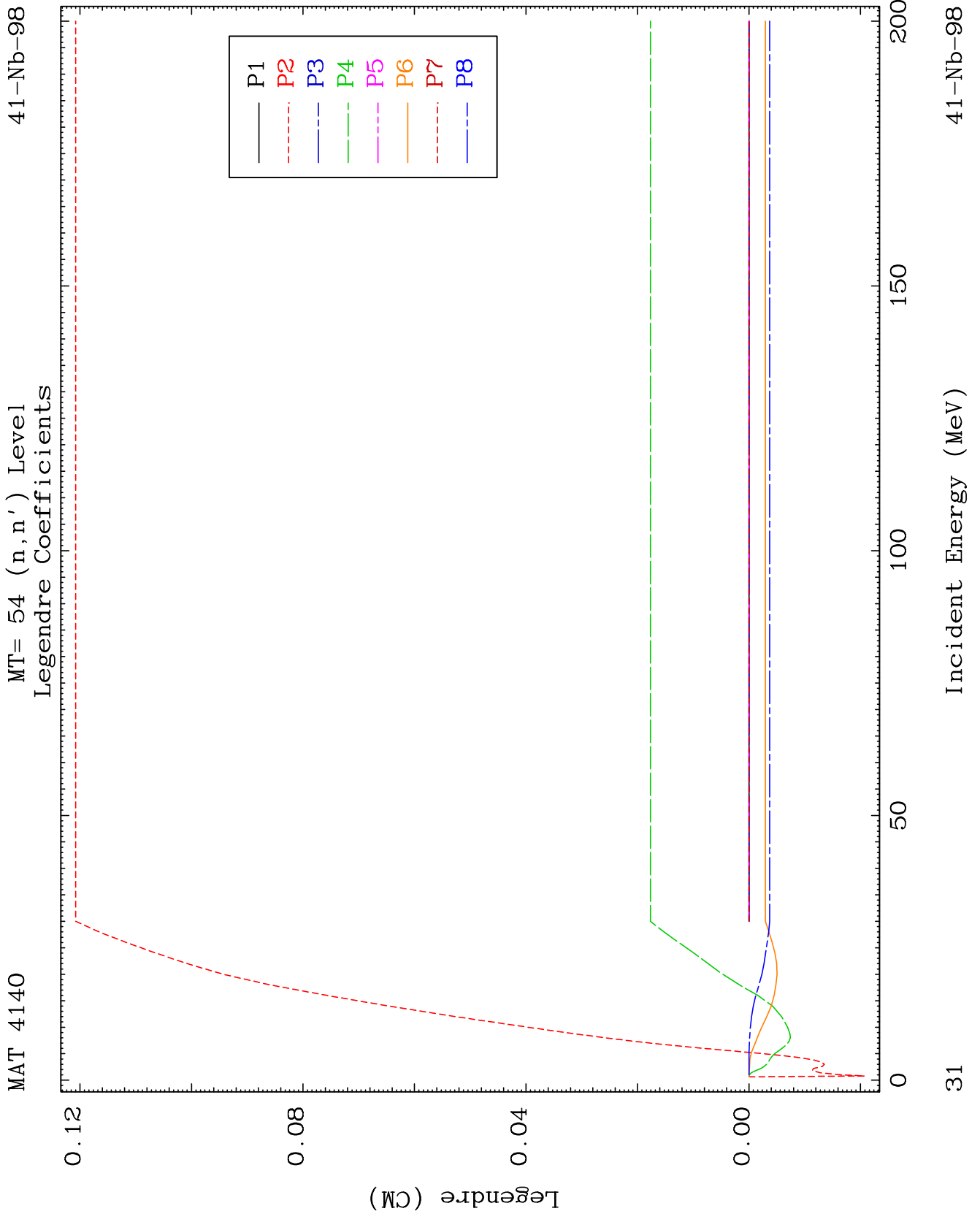
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MAT 4140

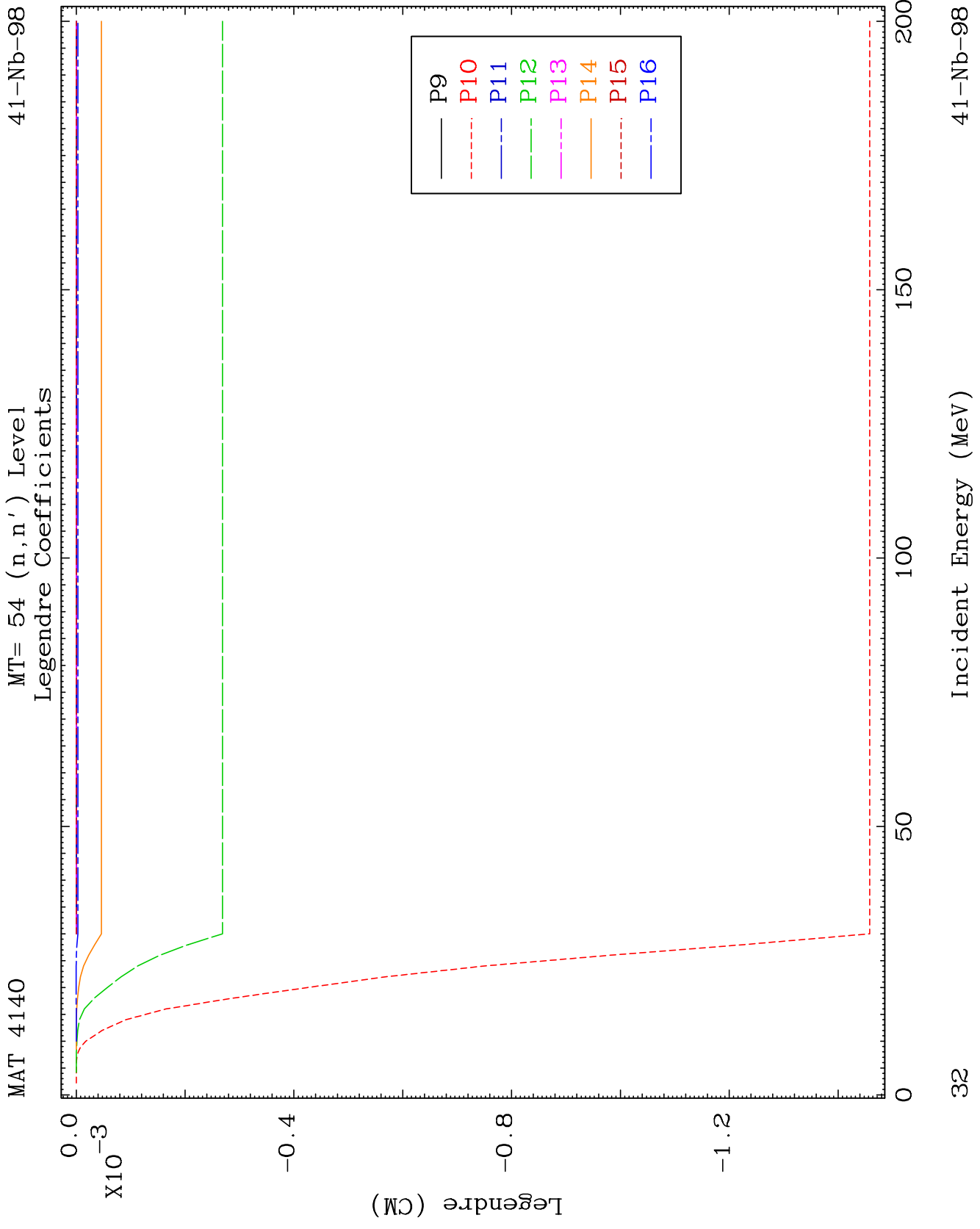
MT= 53 (n,n') Level  
Legendre Coefficients

41-Nb-98





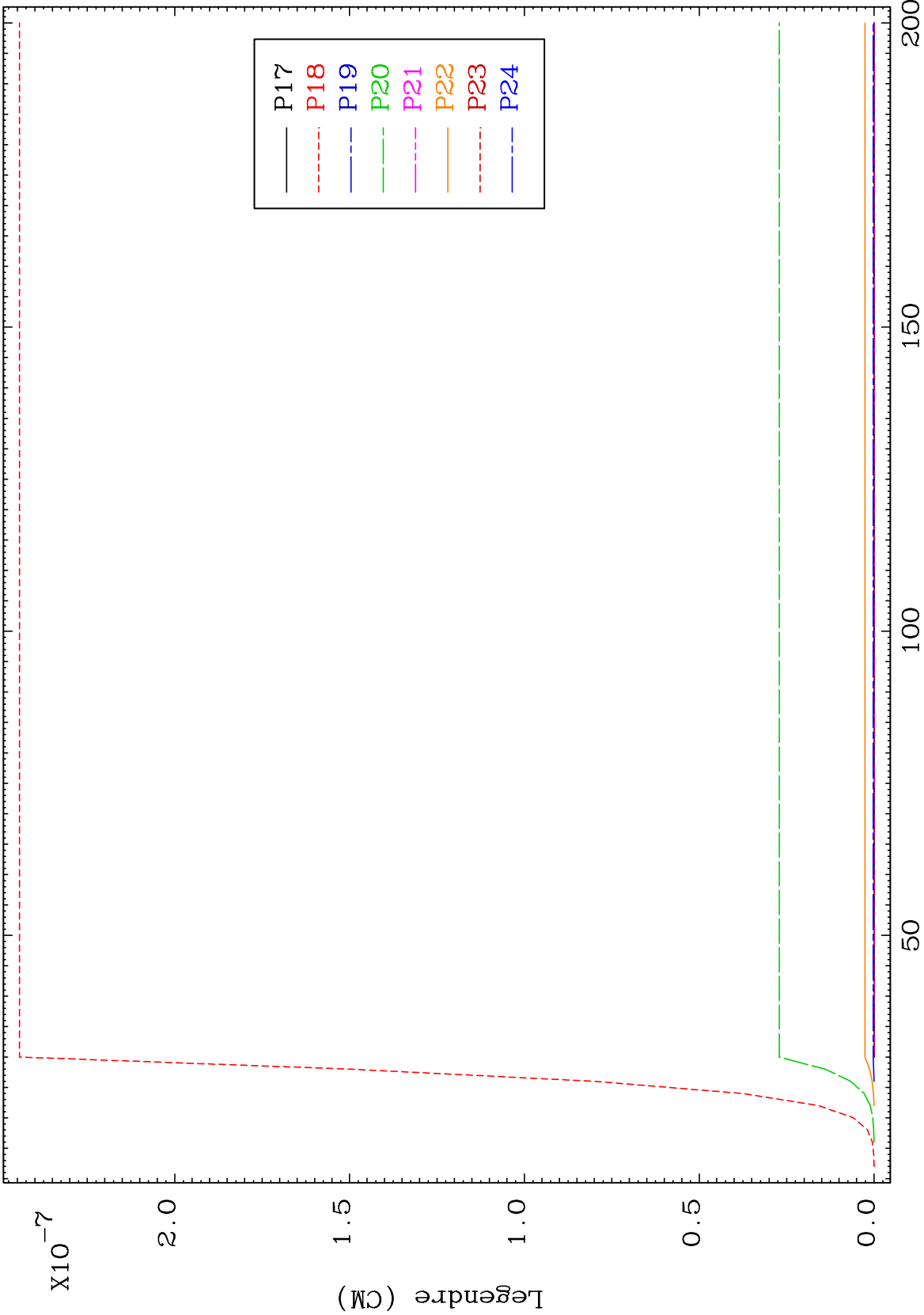


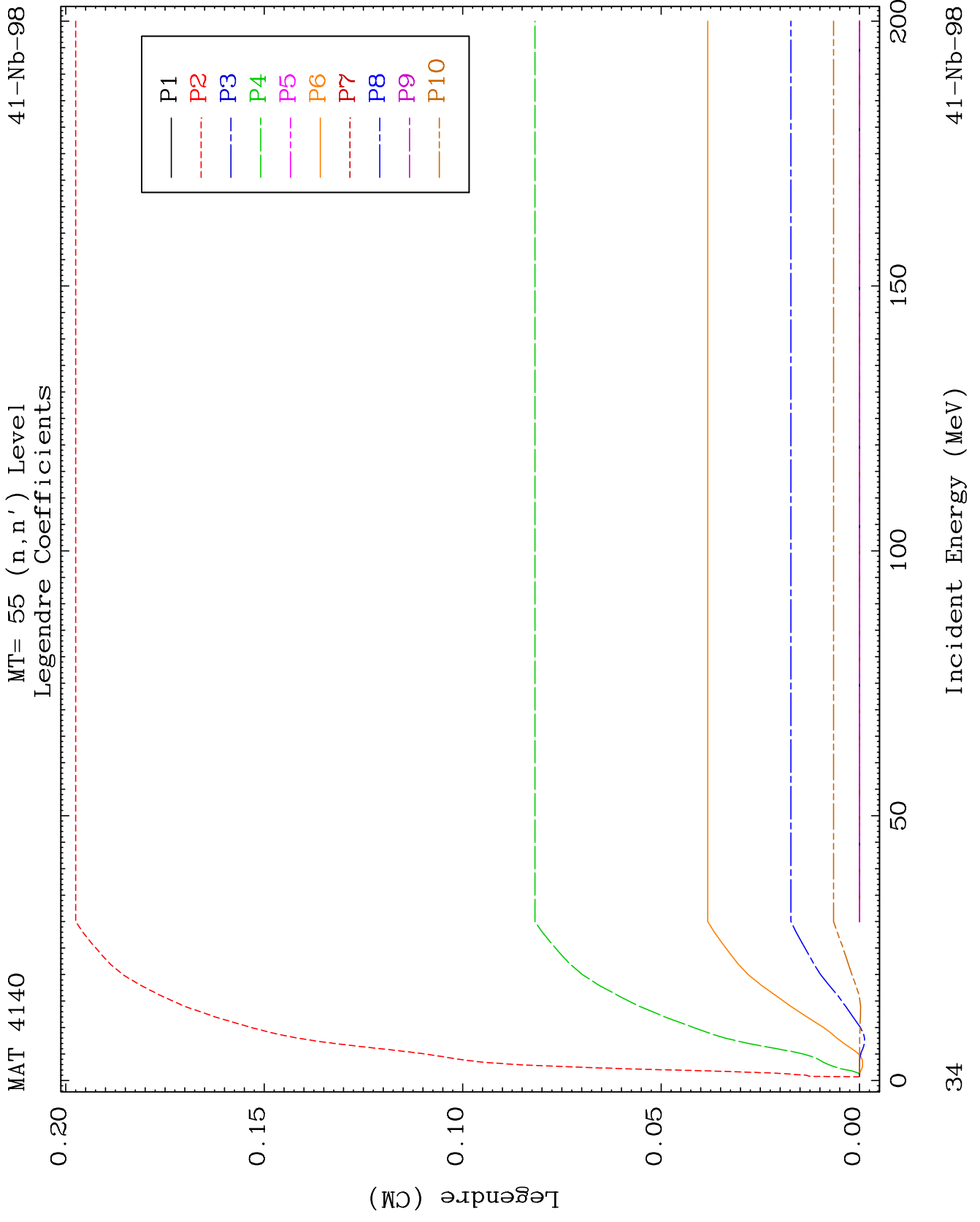


MAT 4140

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Legendre Coefficients

41-Nb-98

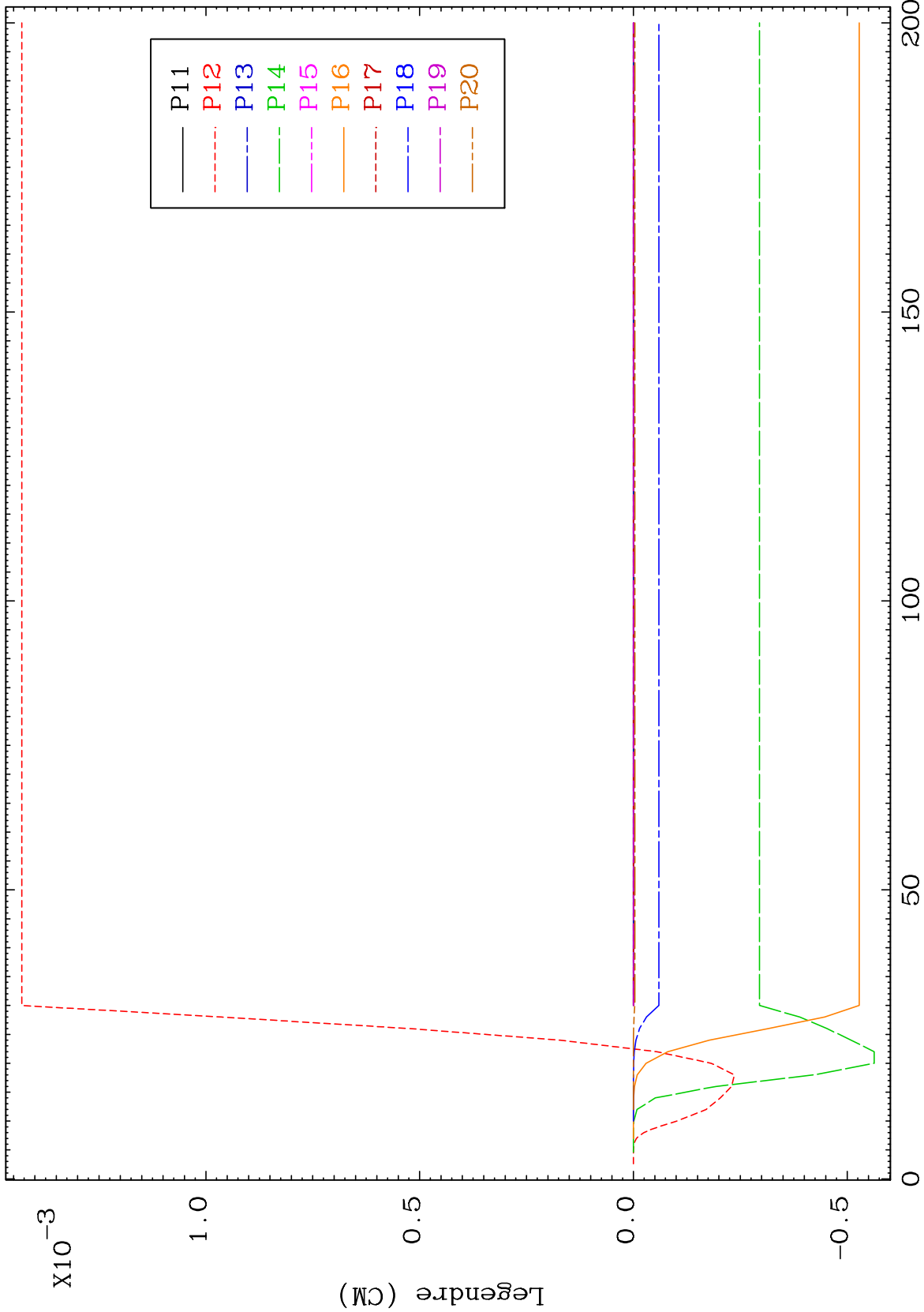




MAT 4140

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

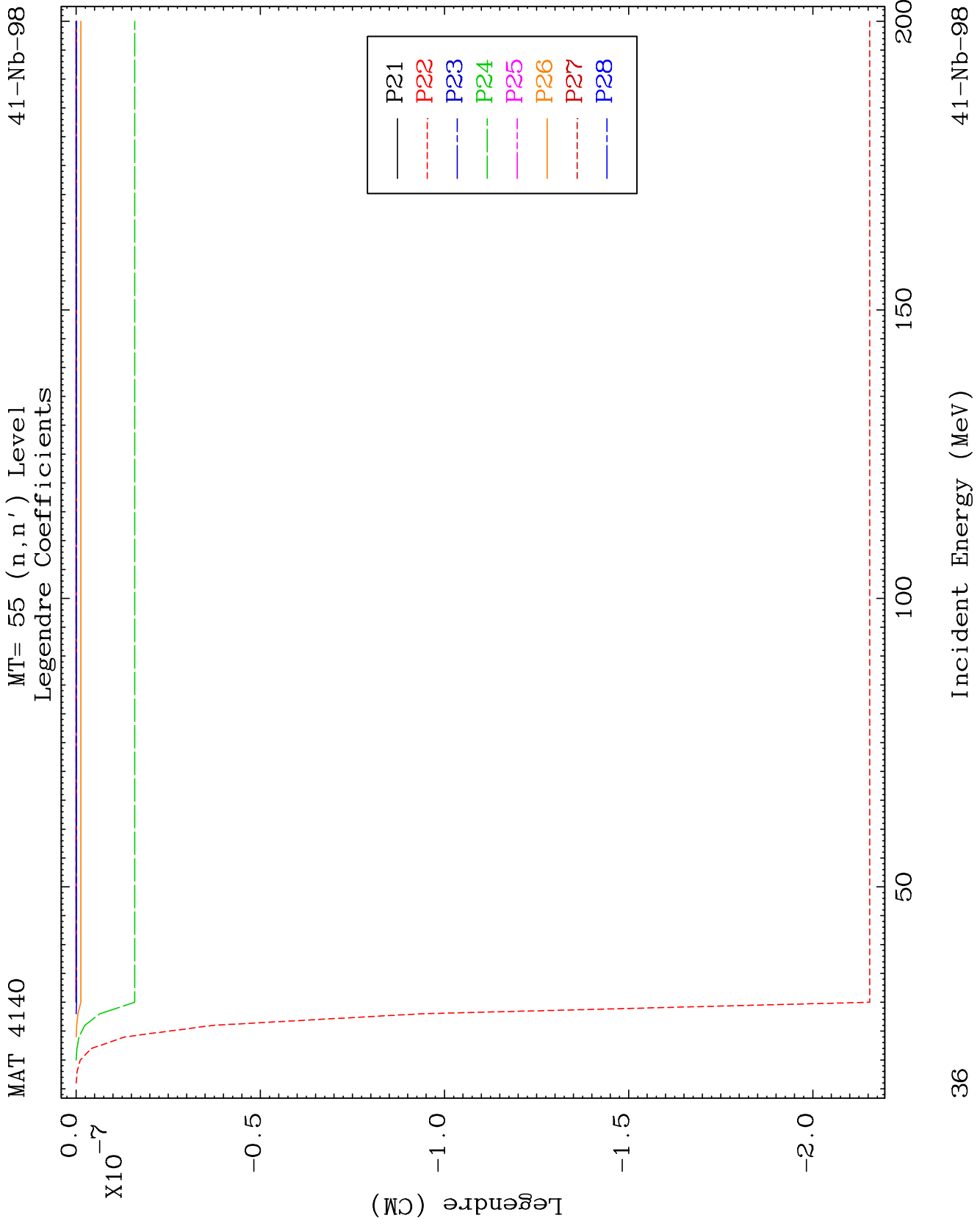
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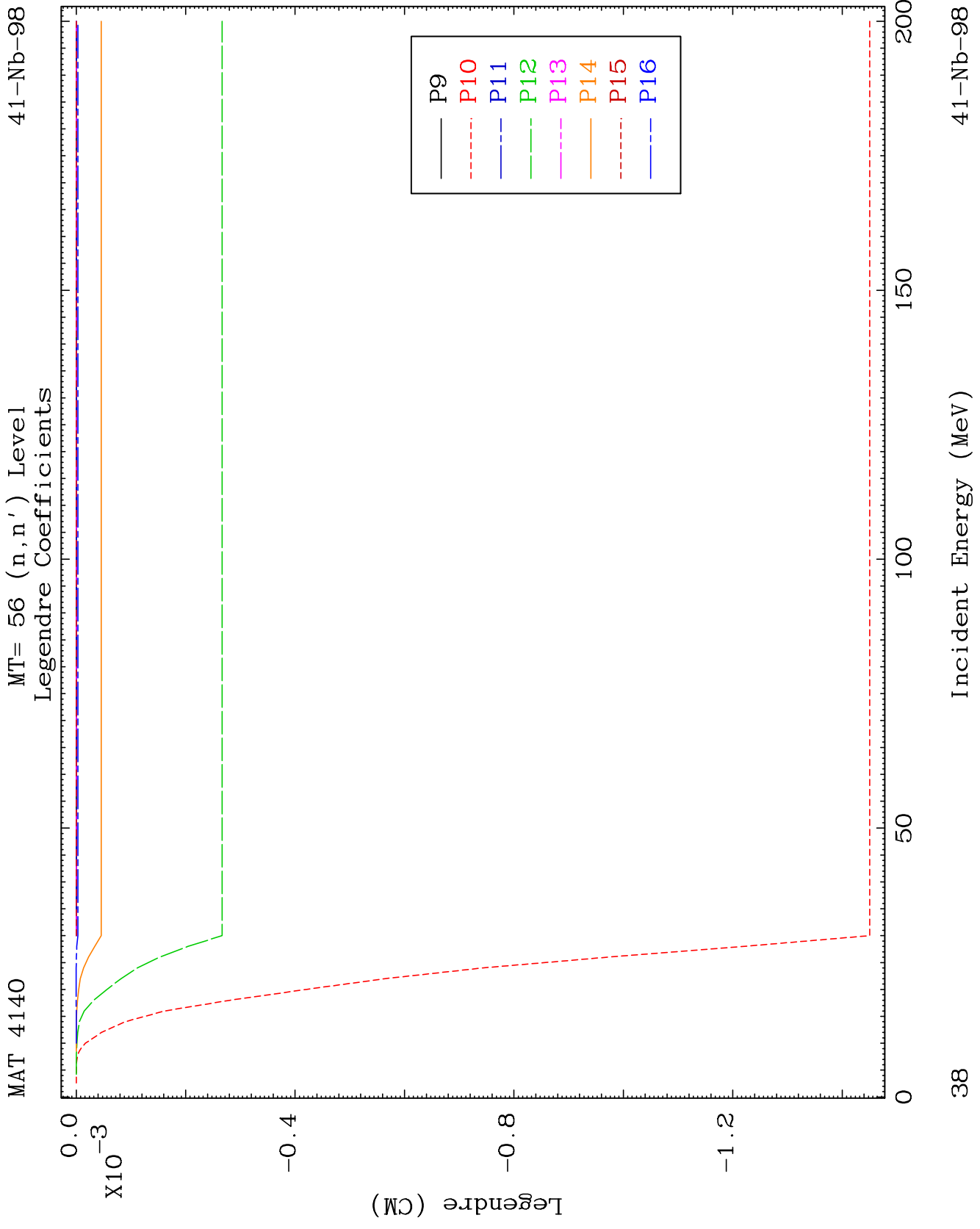
35

Incident Energy (MeV)

41-Nb-98



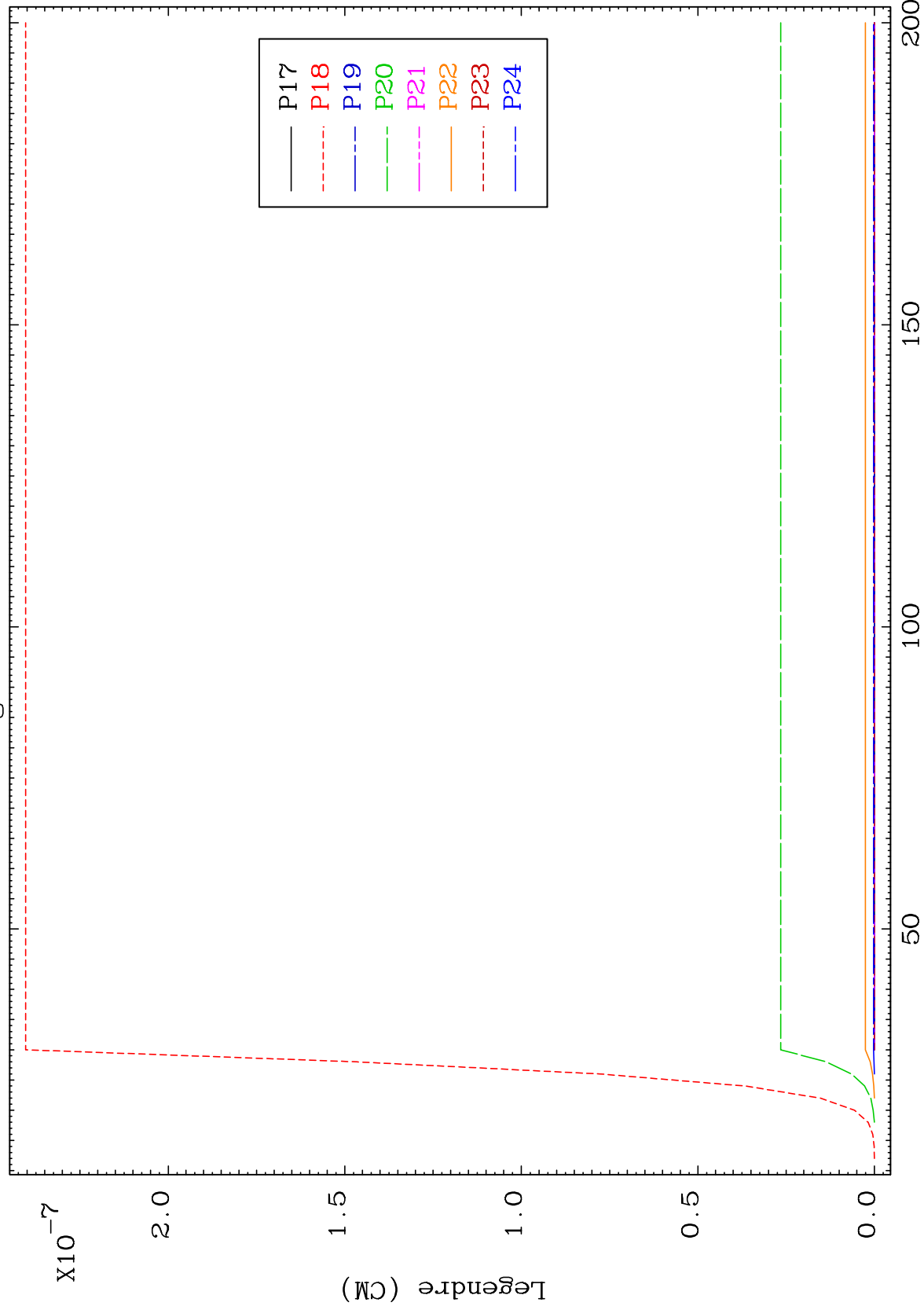




MAT 4140

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Legendre Coefficients

41-Nb-98

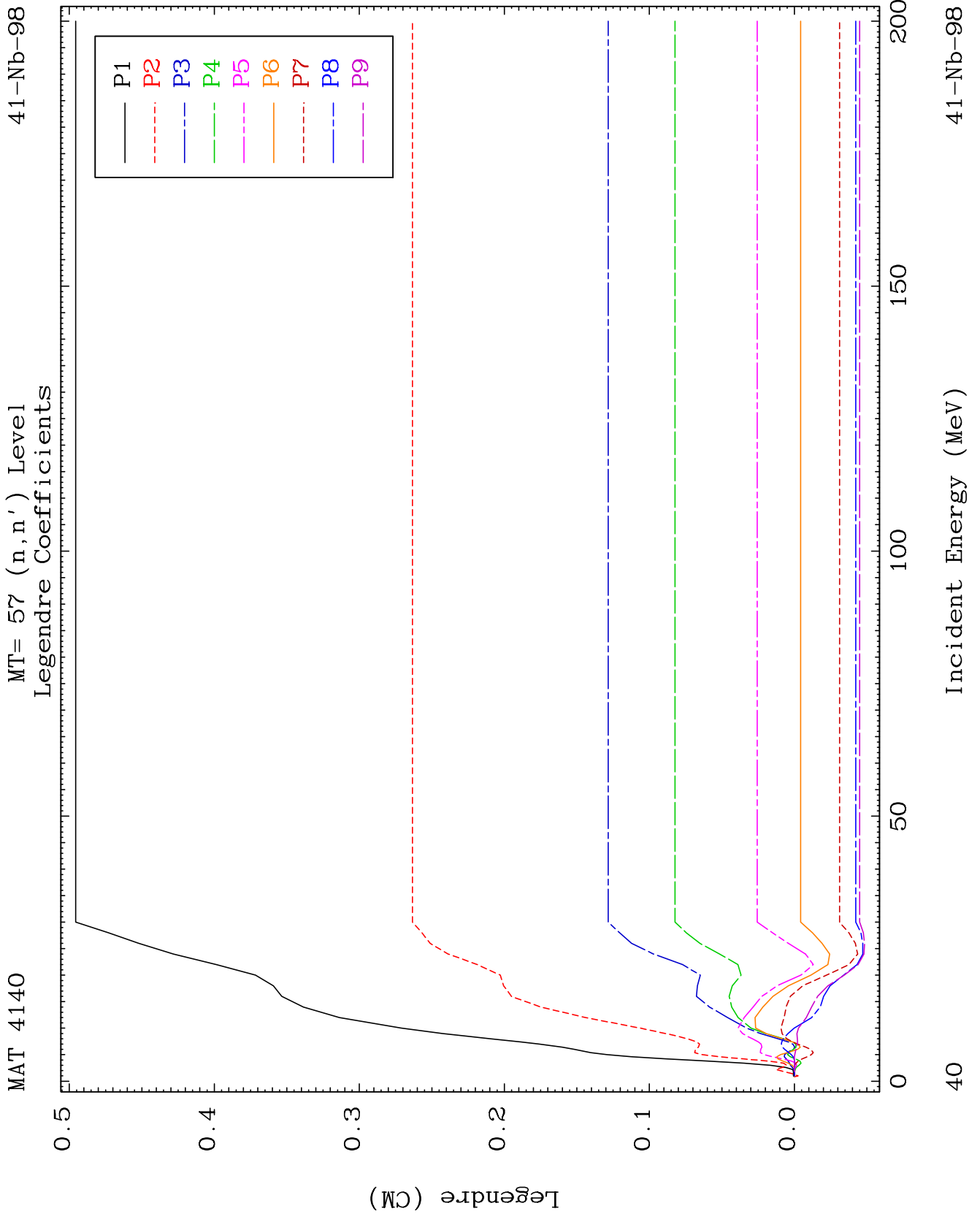


41-Nb-98

Incident Energy (MeV)

39

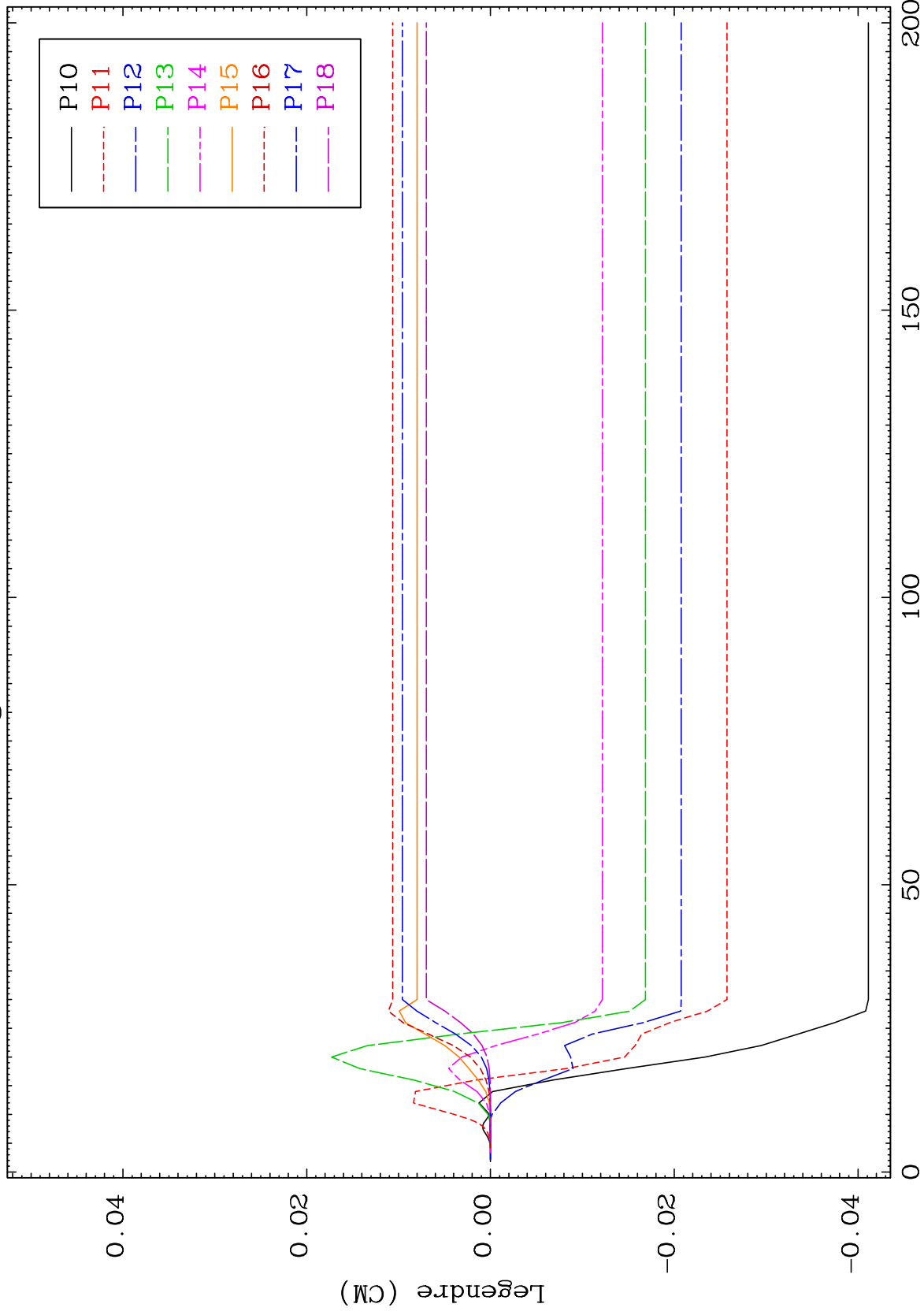




MAT 4140

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

41-Nb-98



41

Incident Energy (MeV)

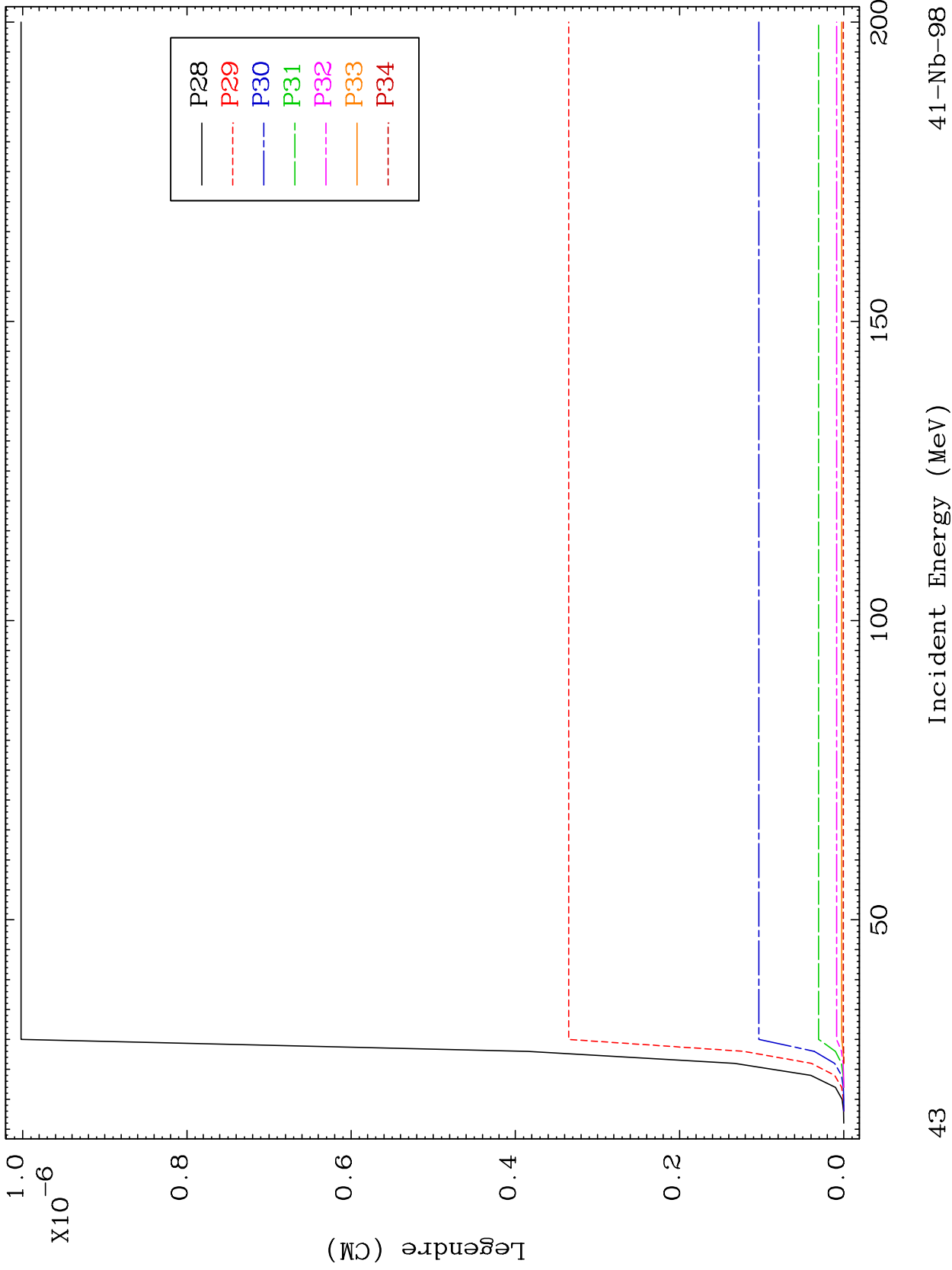
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MAT 4140

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

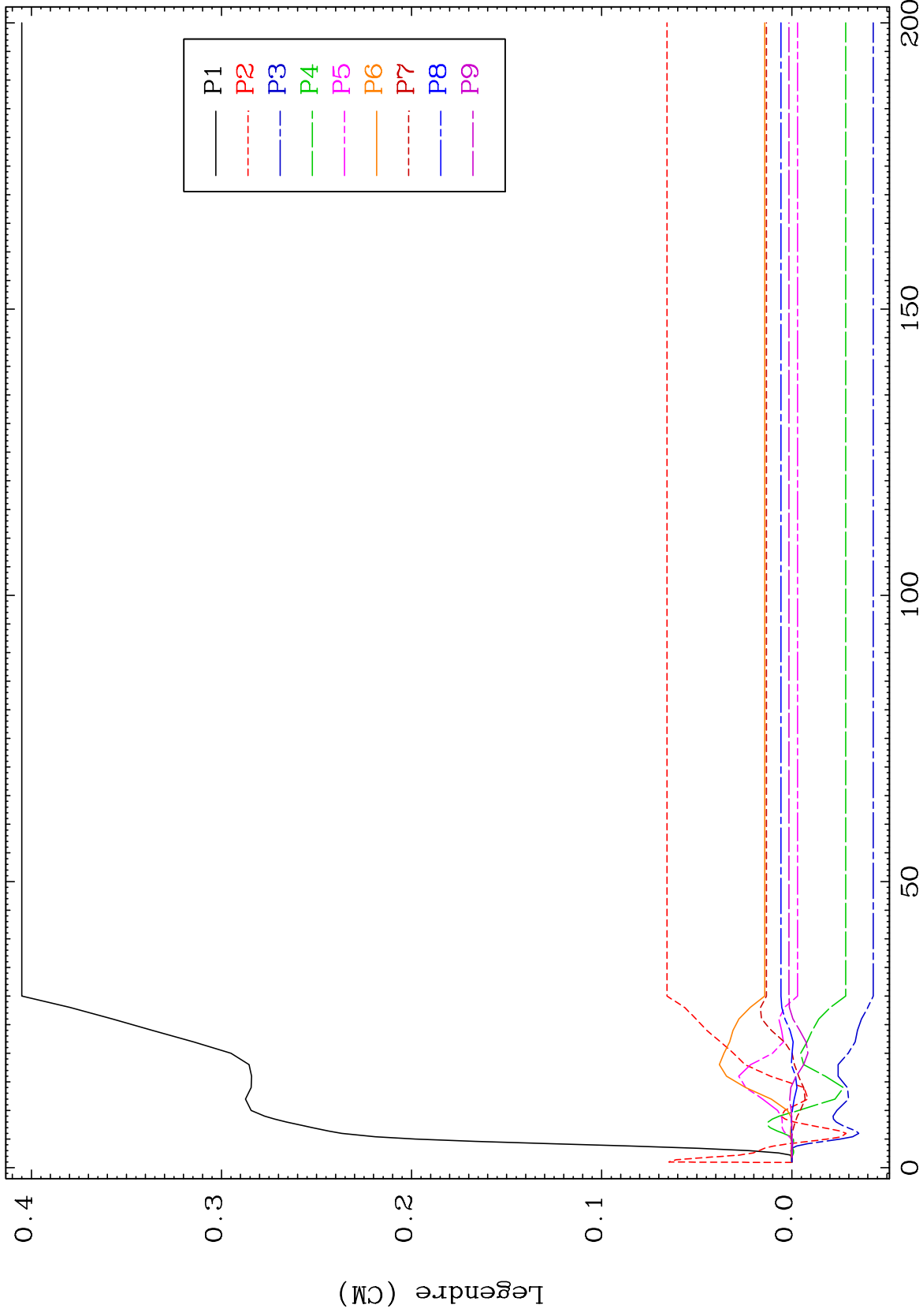
41-Nb-98



MAT 4140

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

41-Nb-98



44

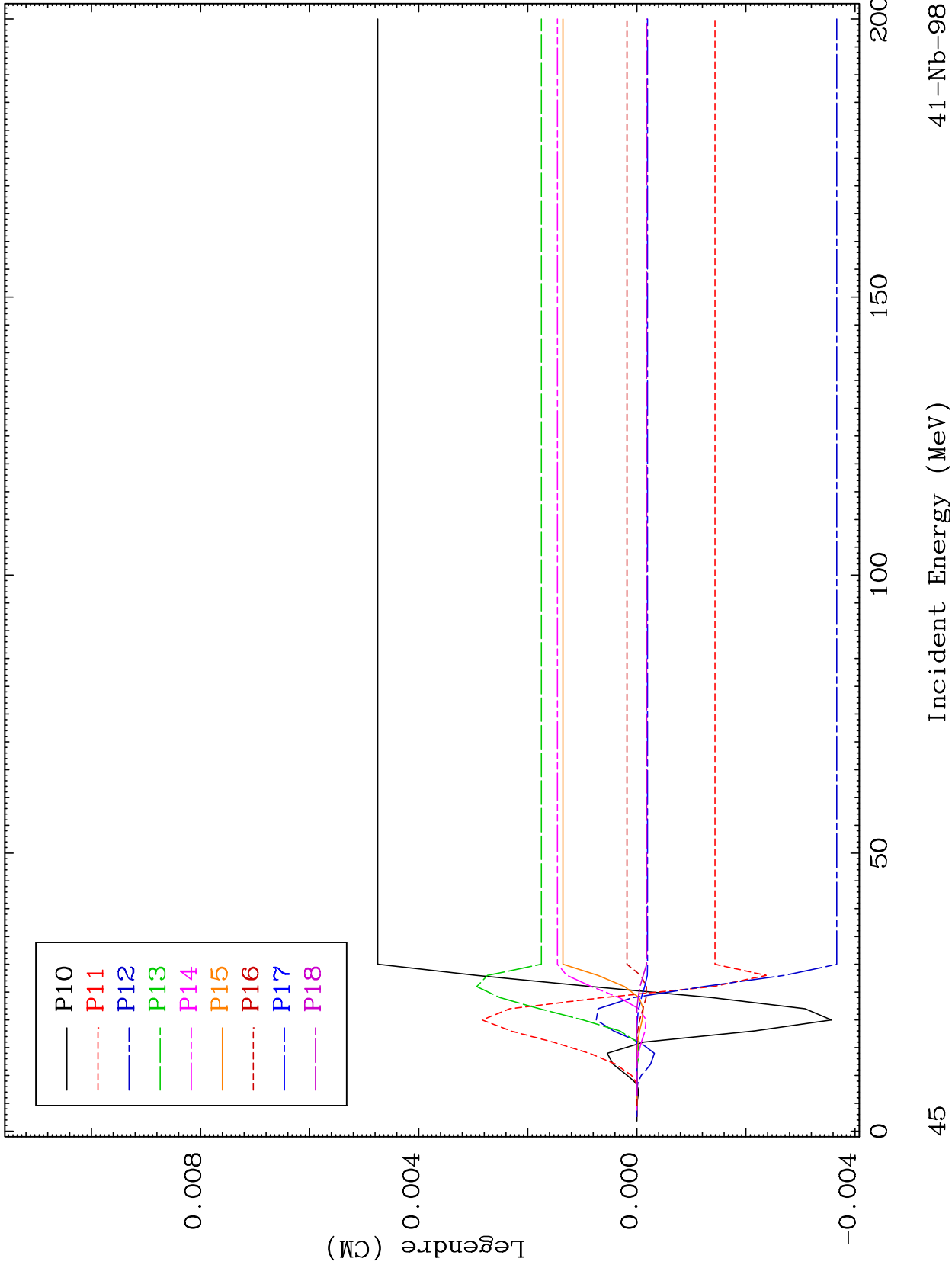
Incident Energy (MeV)

41-Nb-98

MAT 4140

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

41-Nb-98



45

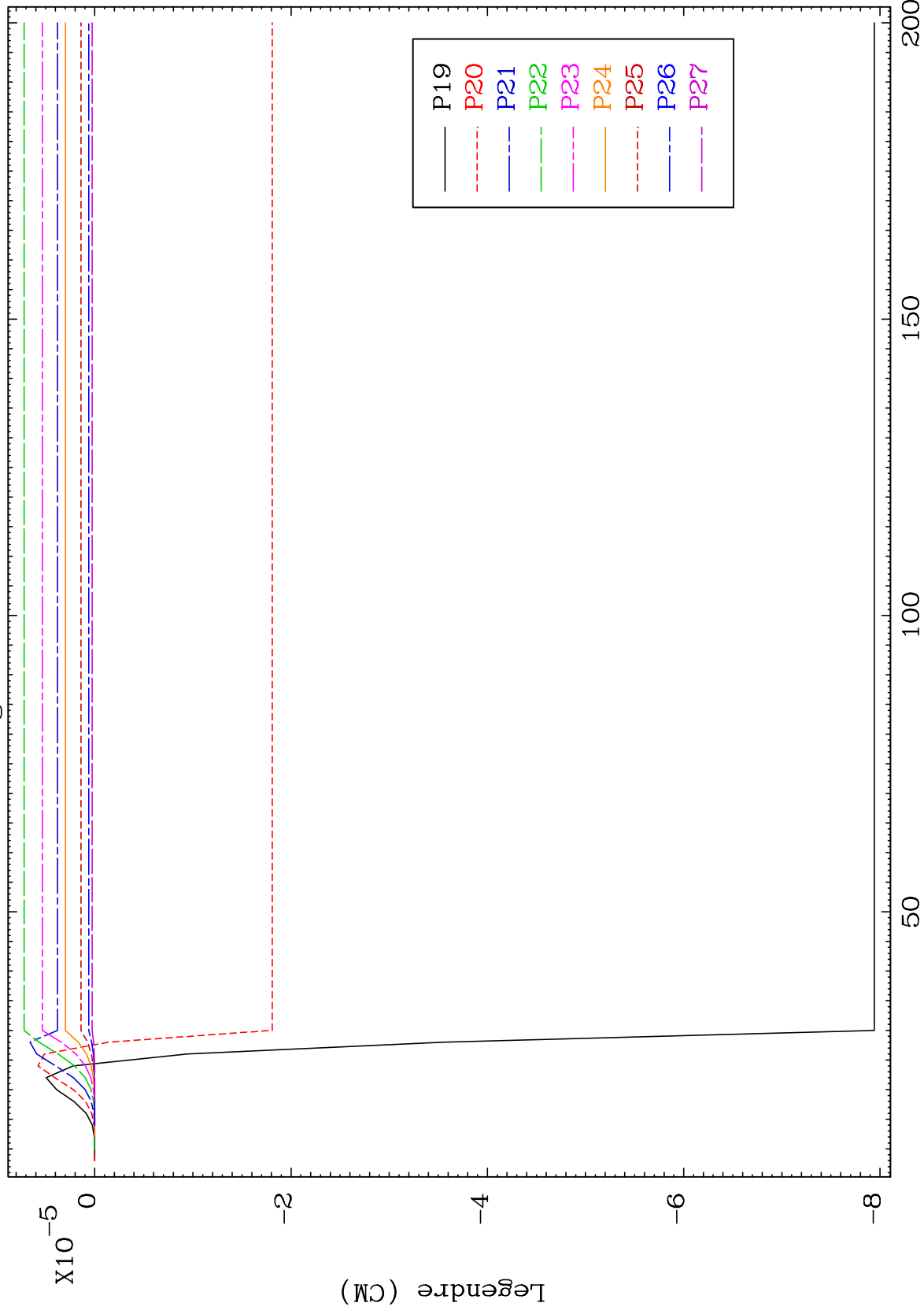
Incident Energy (MeV)

41-Nb-98

MAT 4140

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

41-Nb-98



46

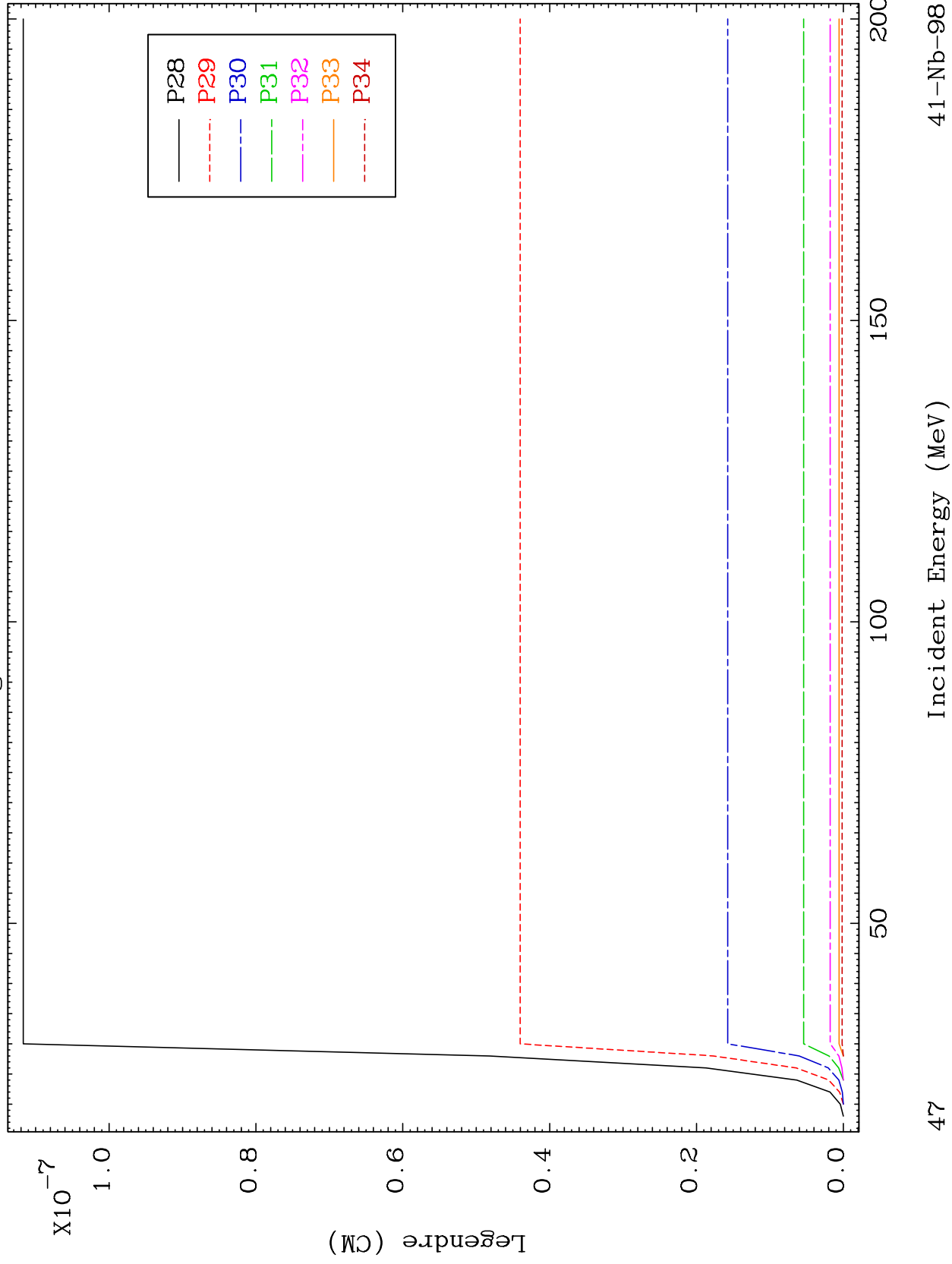
Incident Energy (MeV)

41-Nb-98

MAT 4140

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

41-Nb-98



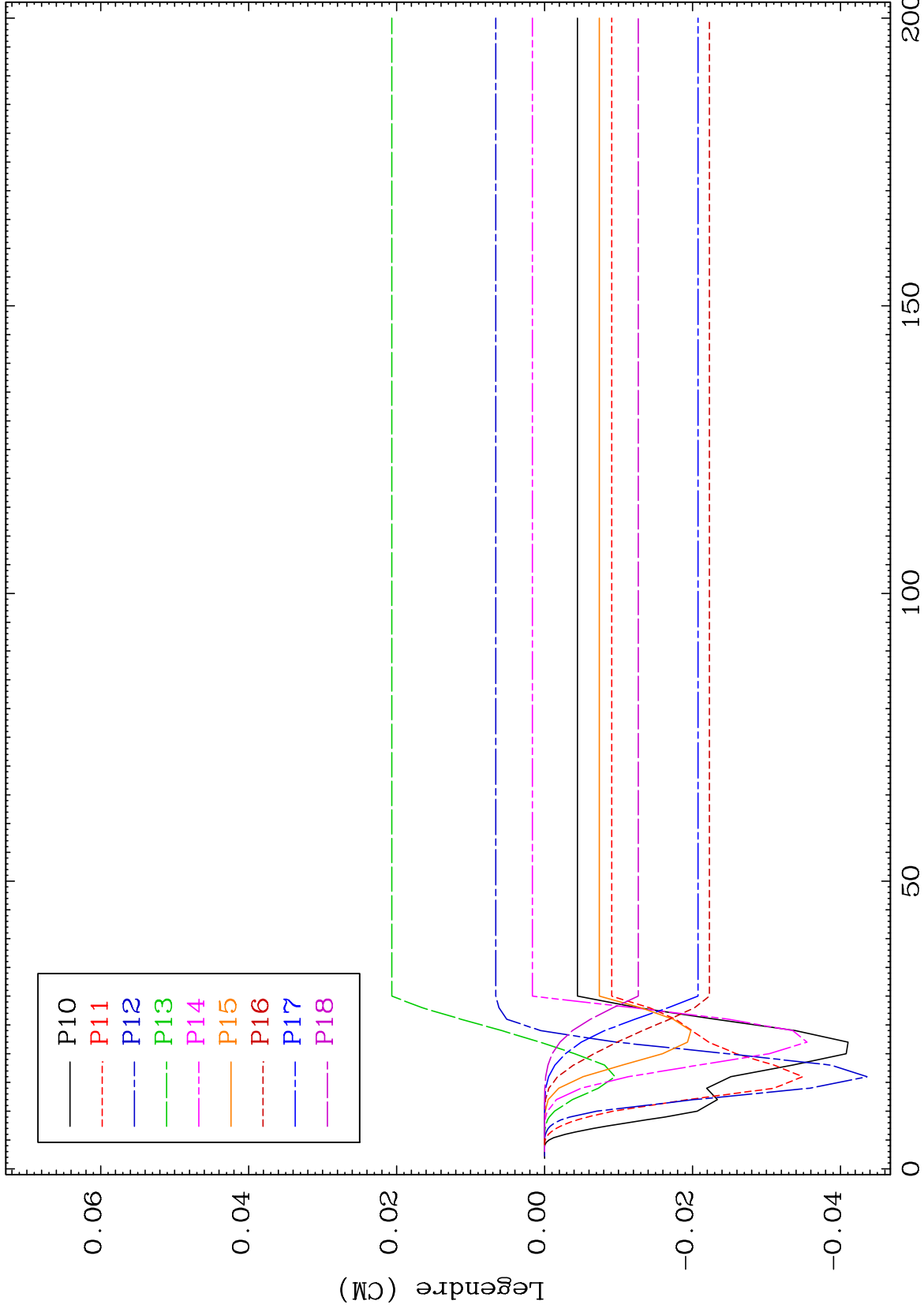




MAT 4140

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

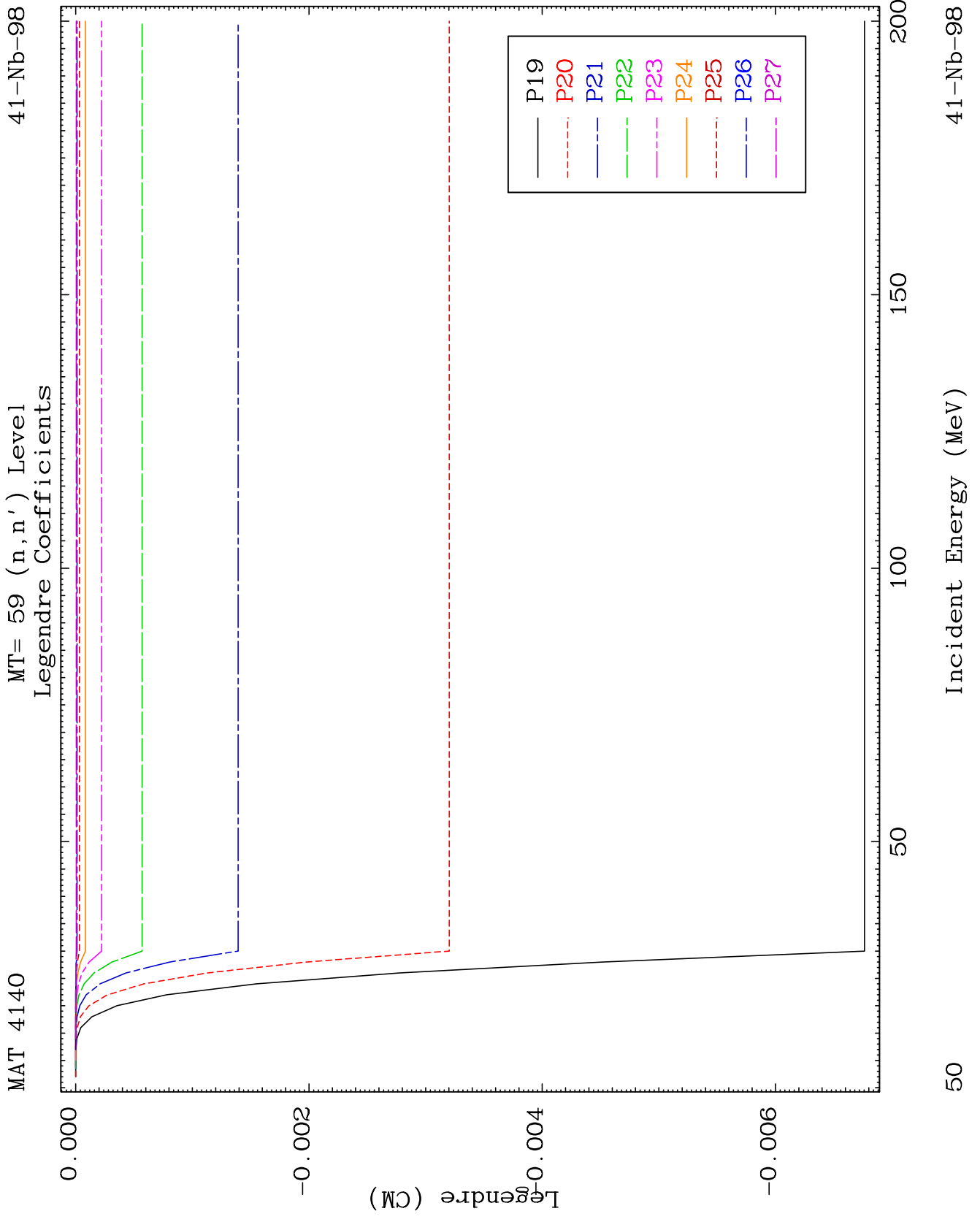
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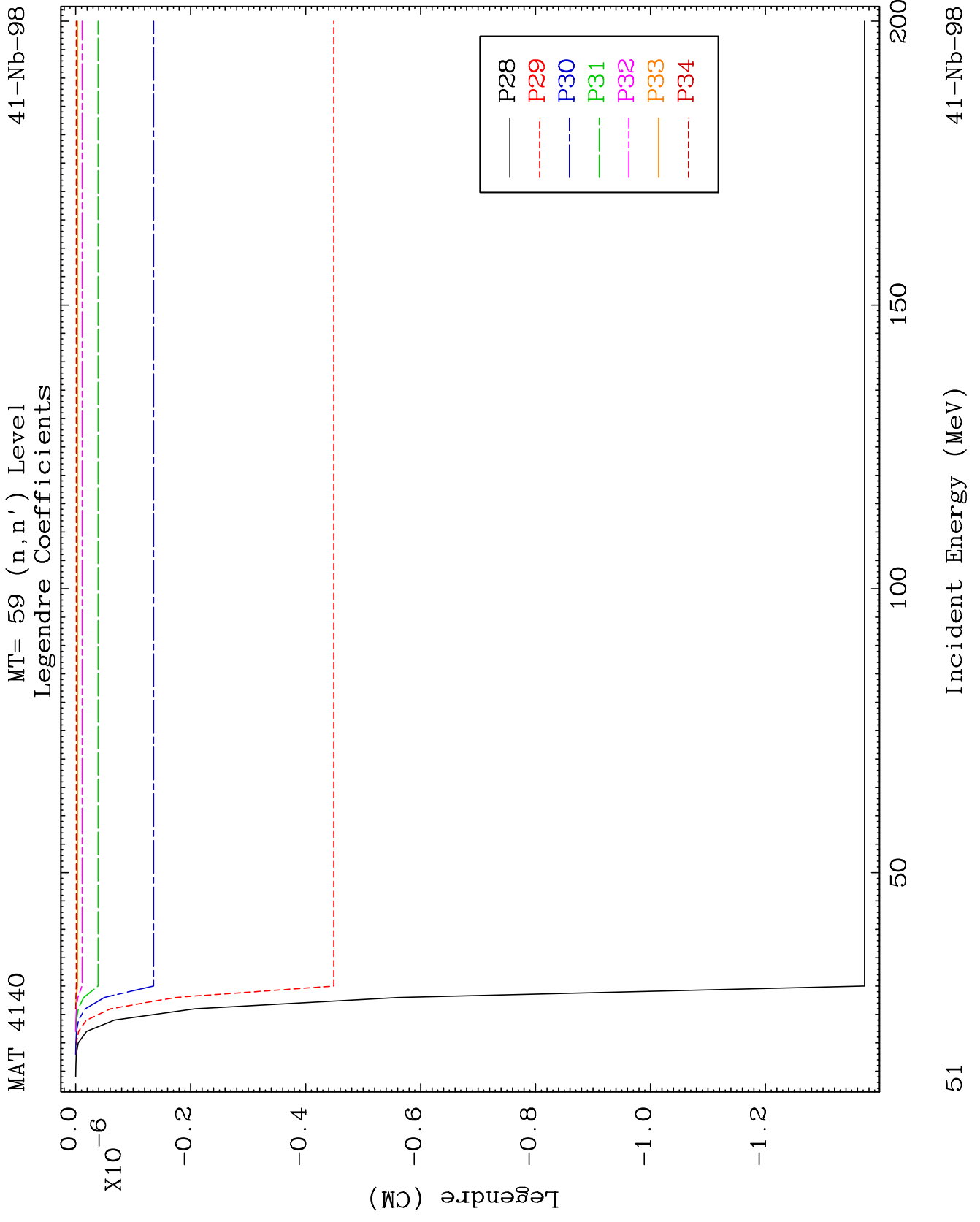


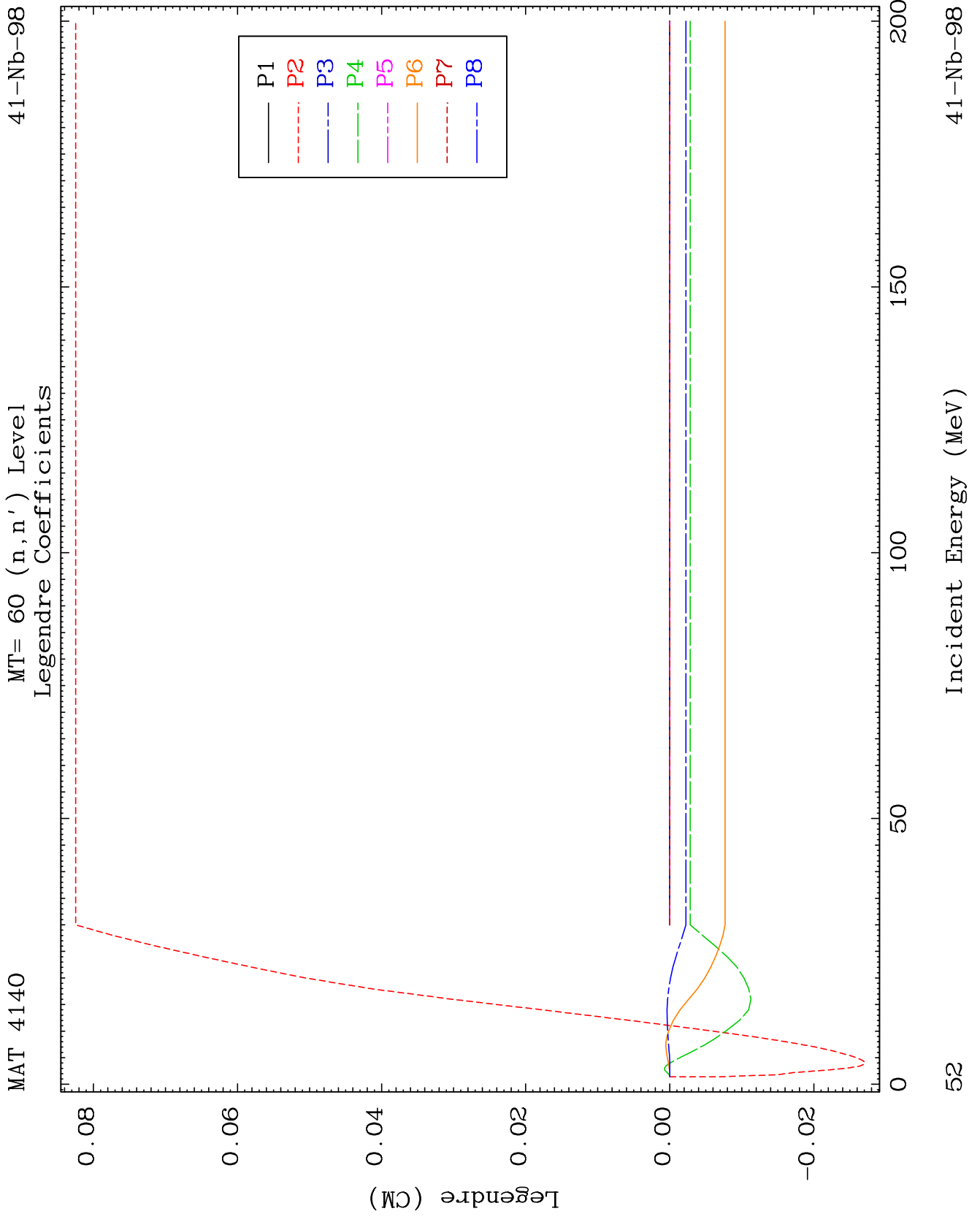
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Incident Energy (MeV)

41-Nb-98



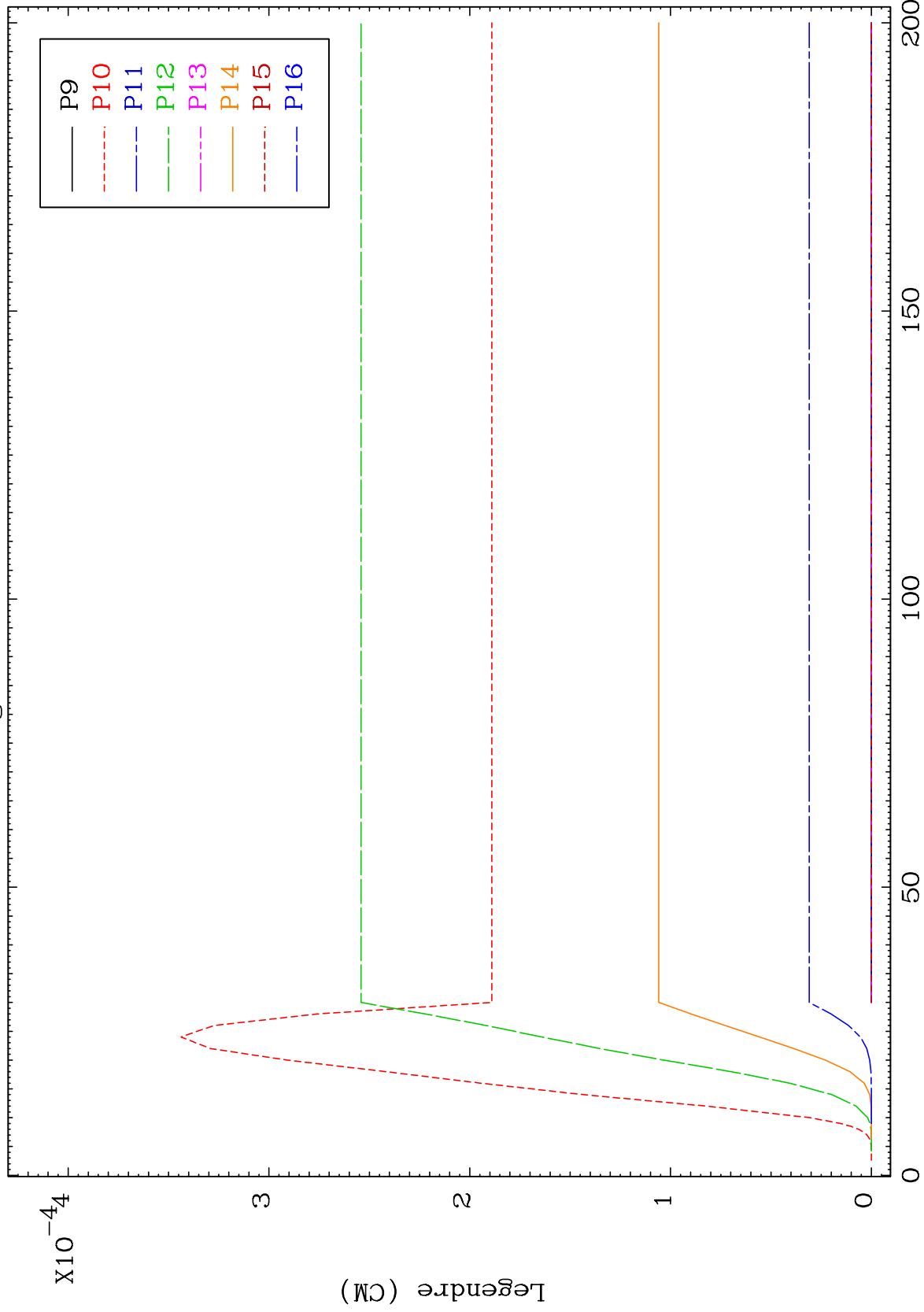




MAT 4140

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

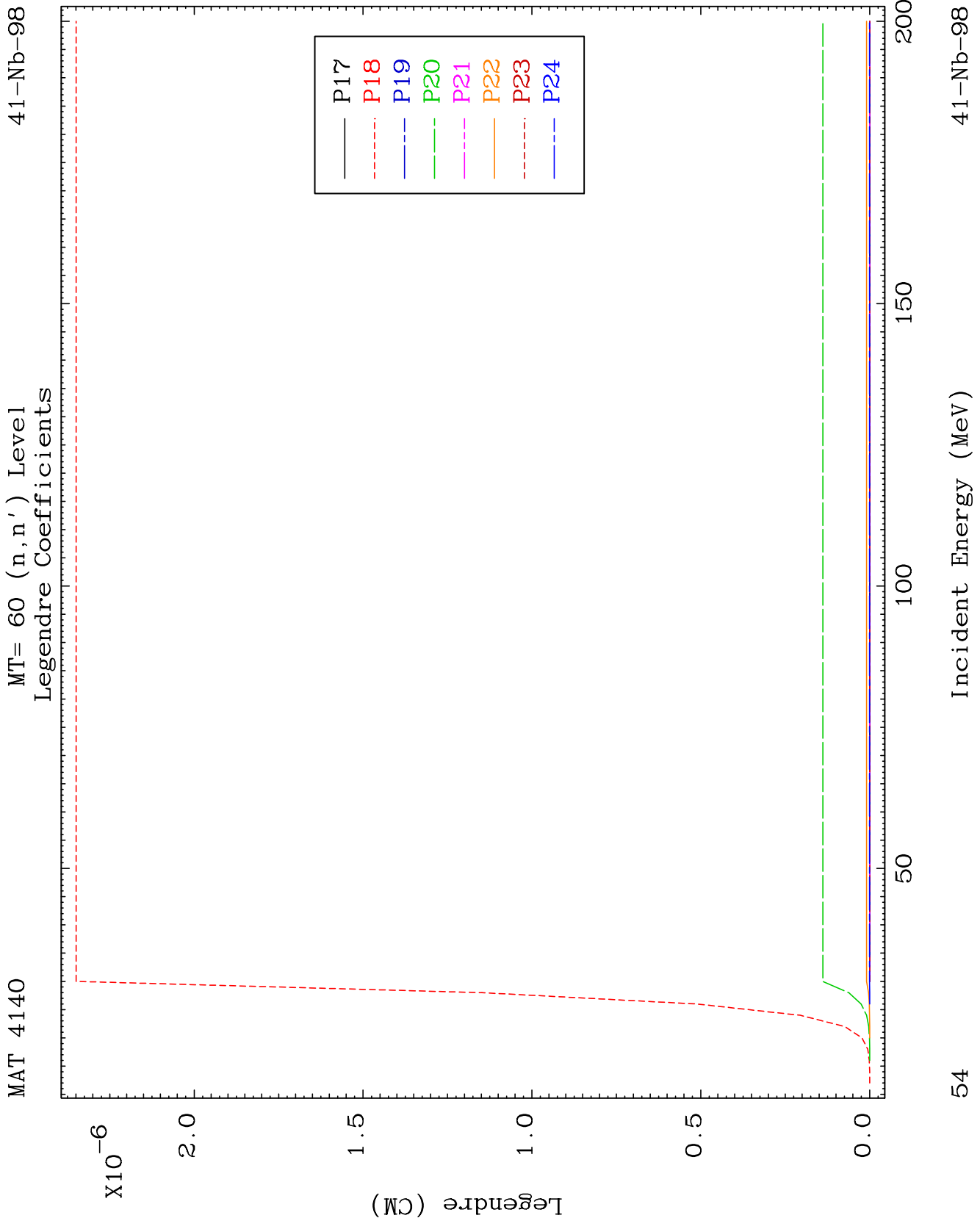
41-Nb-98



53

Incident Energy (MeV)

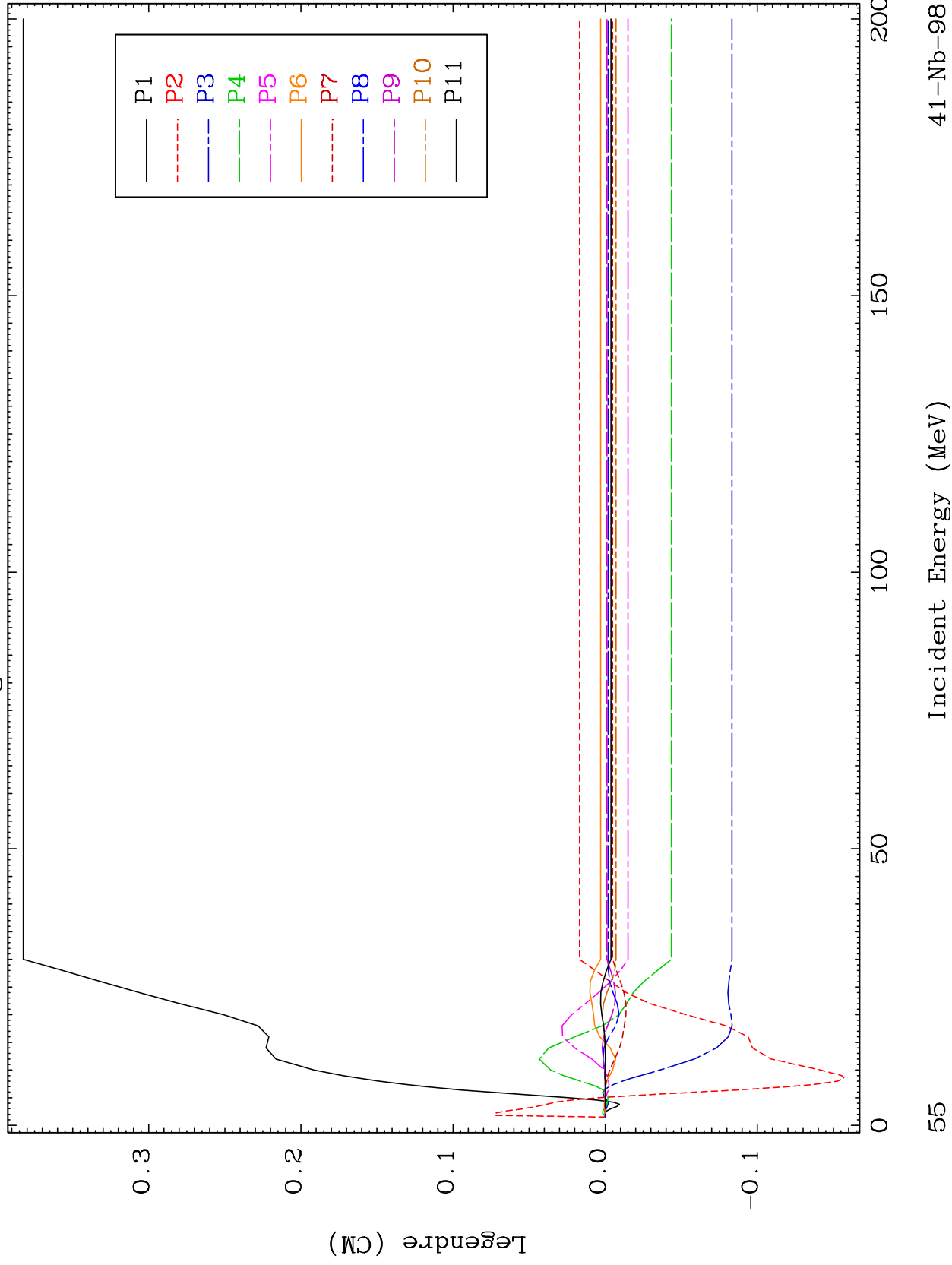
41-Nb-98



MAT 4140

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

41-Nb-98

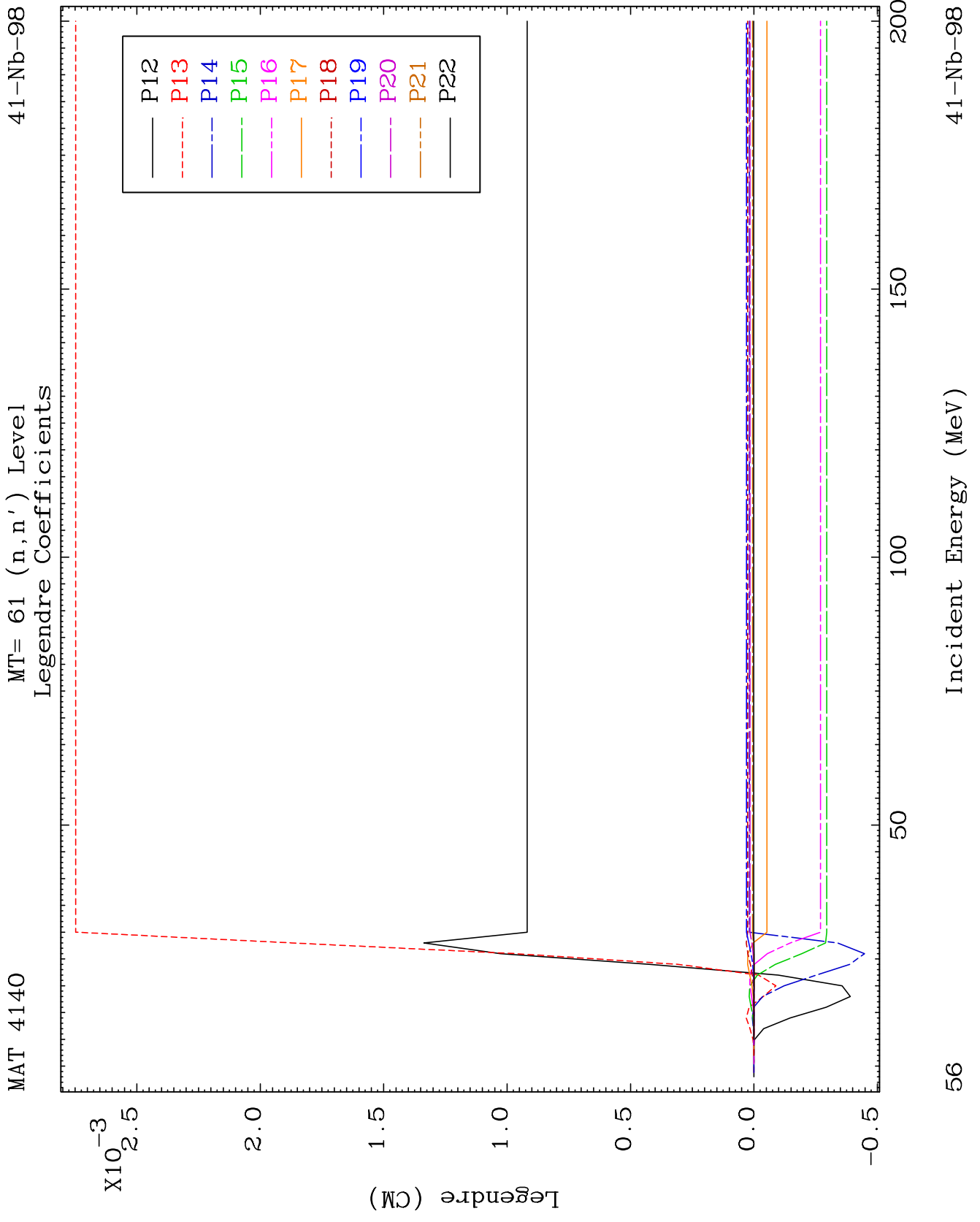


41-Nb-98

Incident Energy (MeV)

55

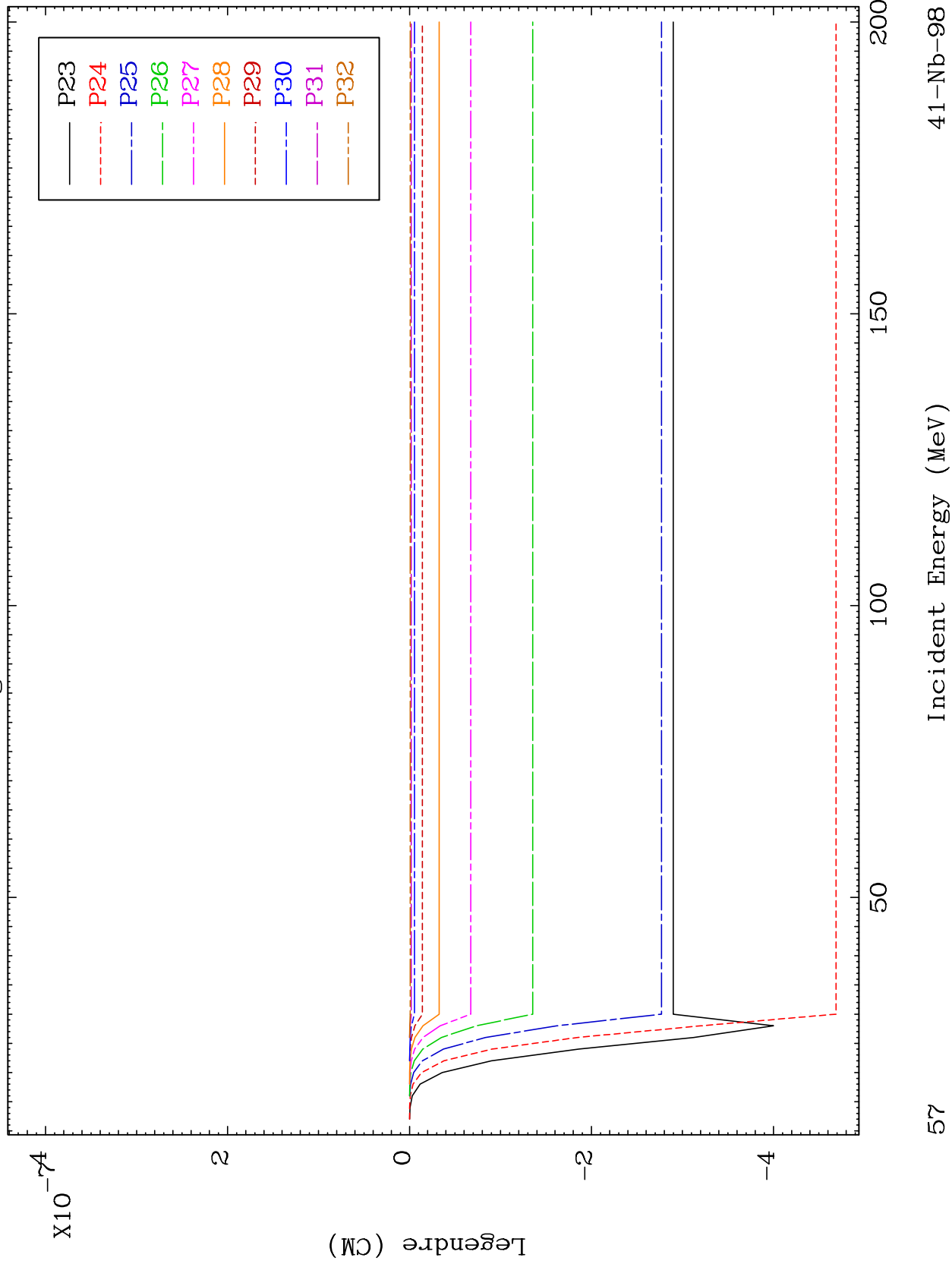




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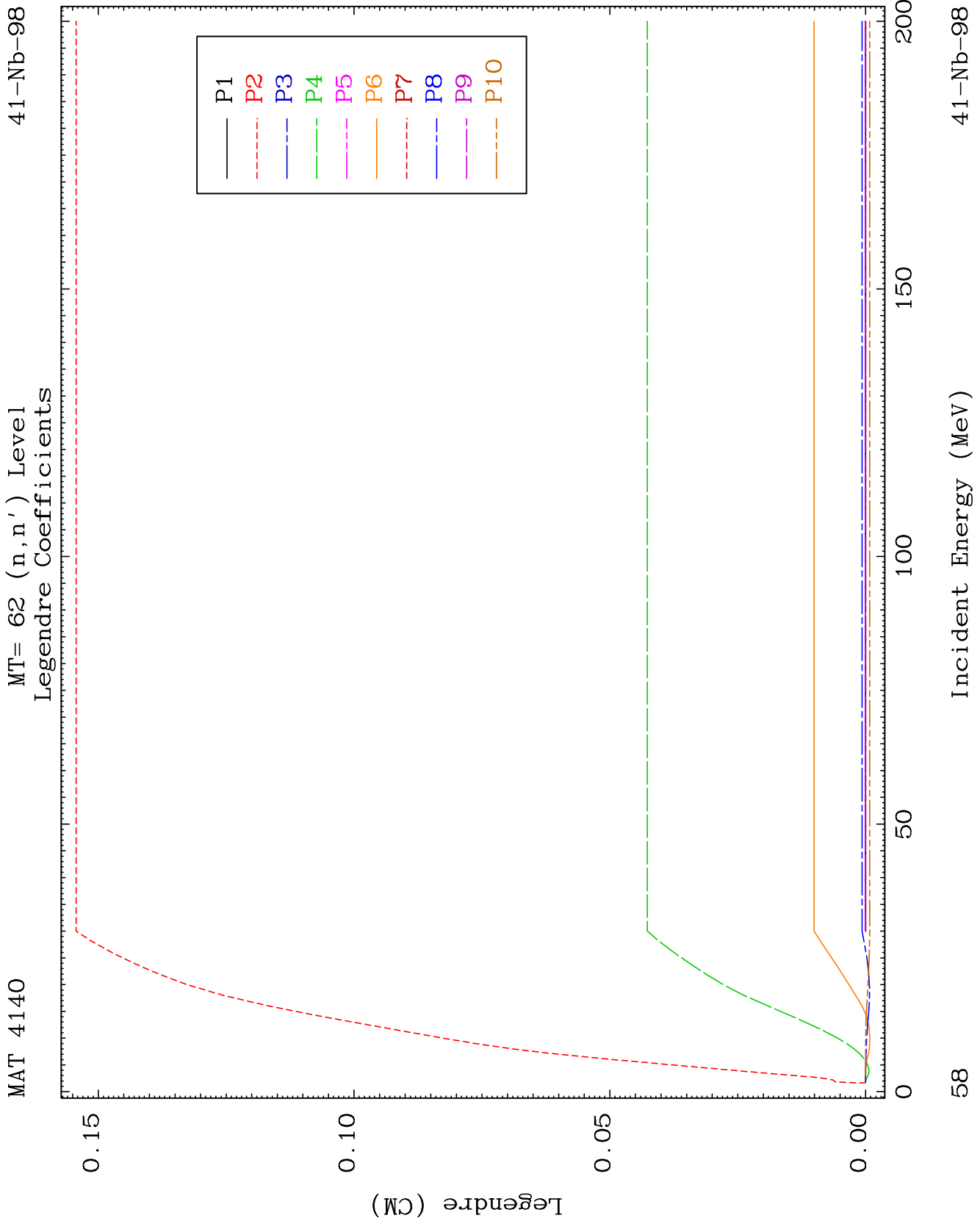
MT= 61 (n,n') Level  
Legendre Coefficients

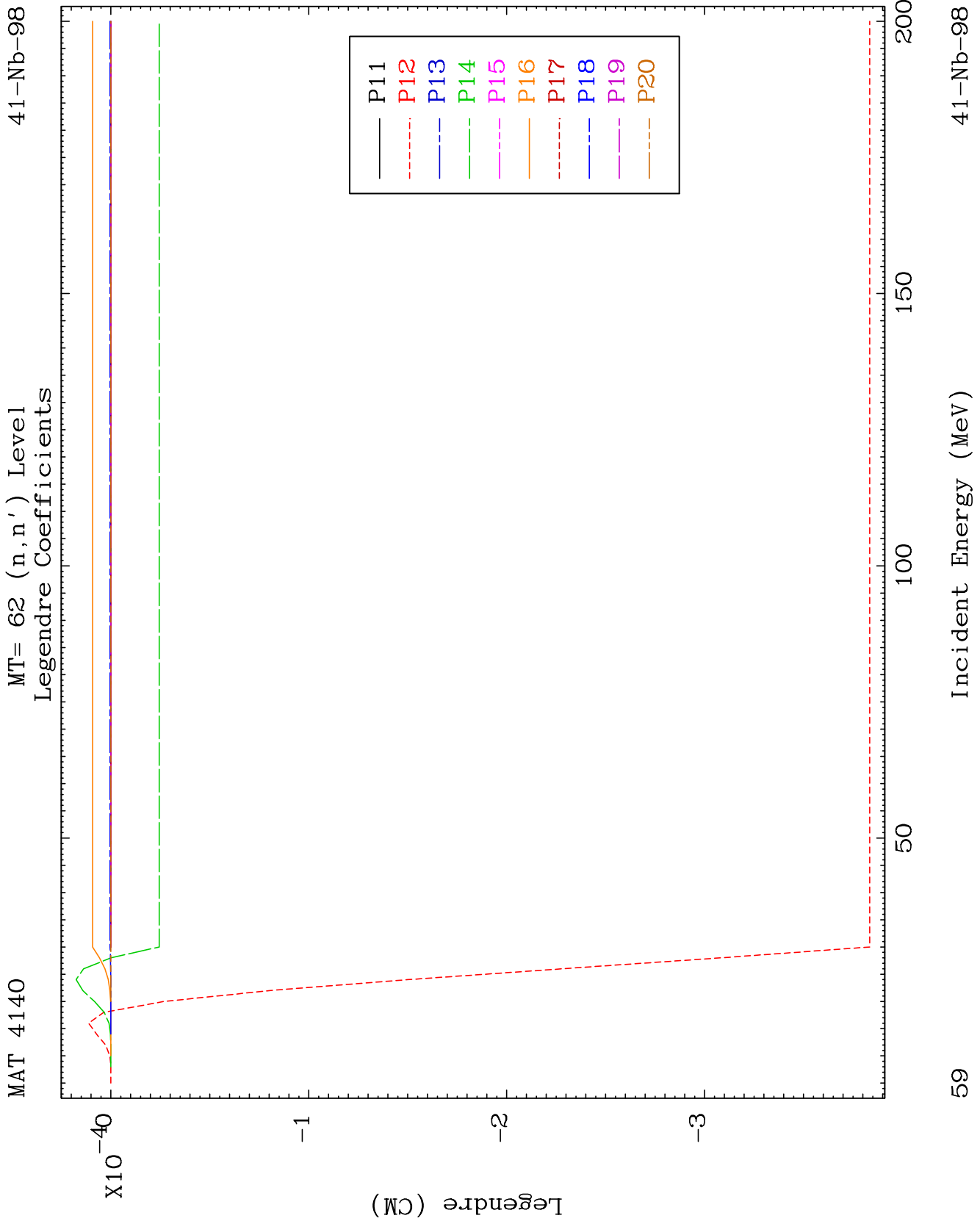
41-Nb-98



57

41-Nb-98

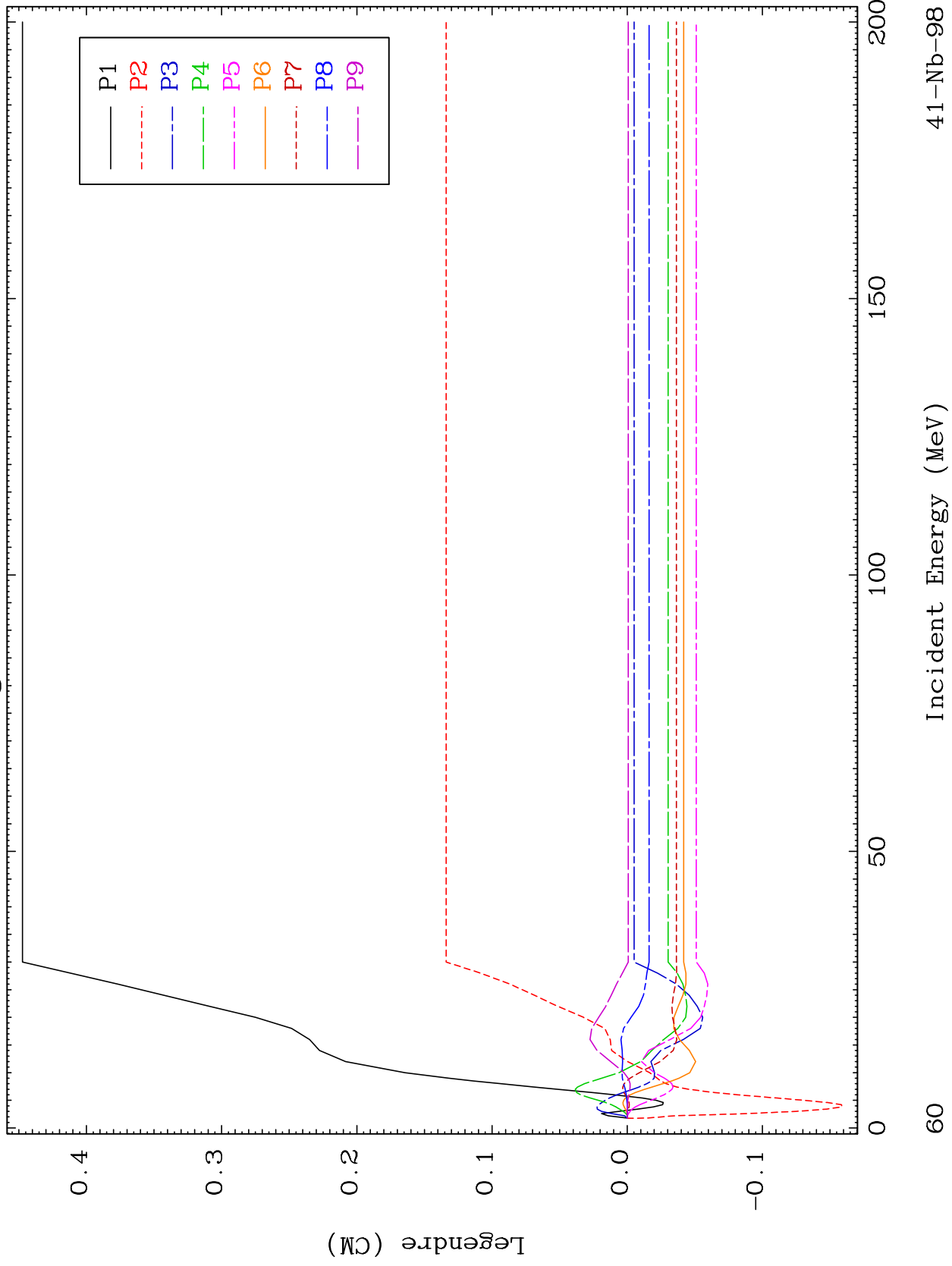




MAT 4140

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

41-Nb-98

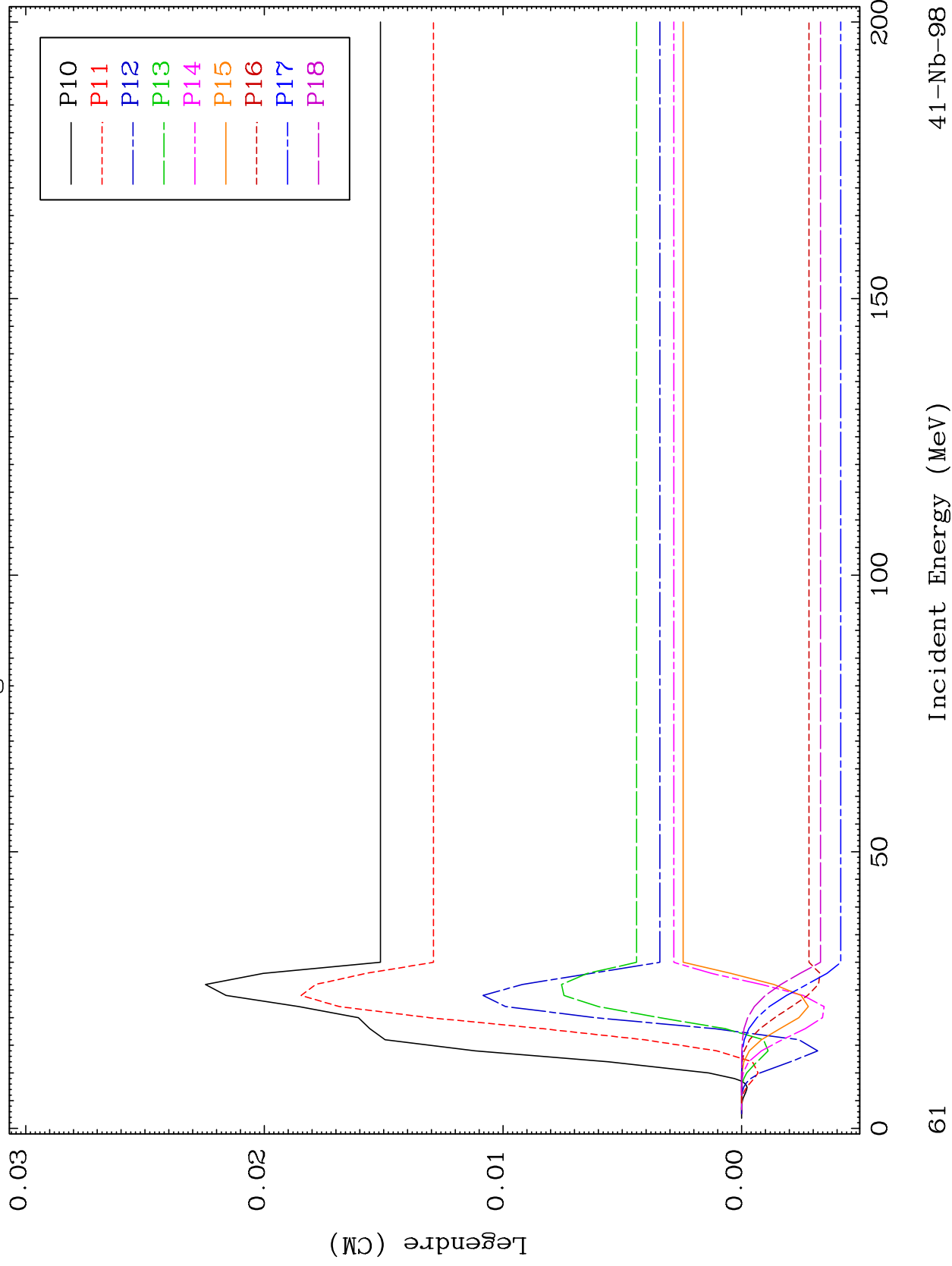


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MAT 4140

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

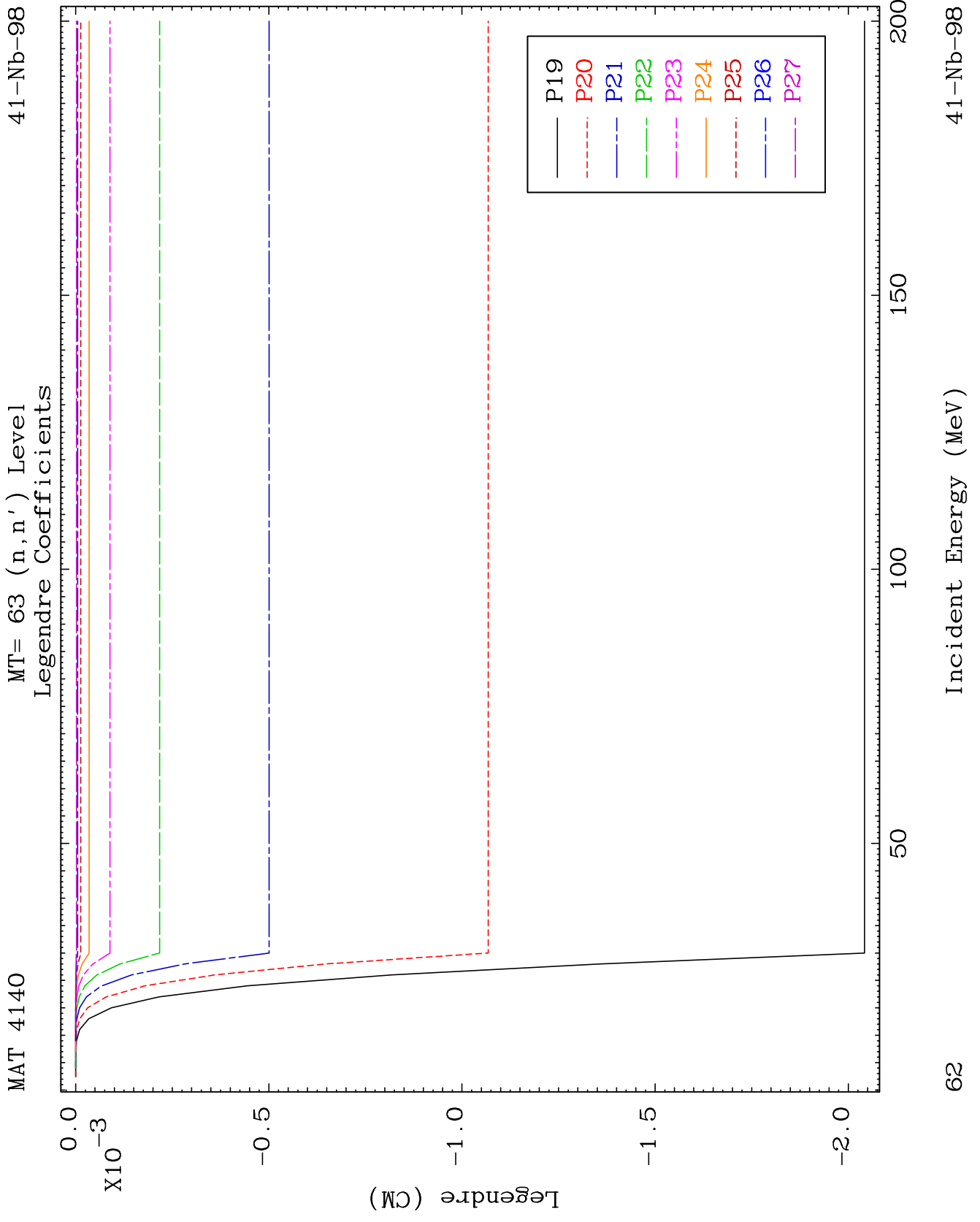
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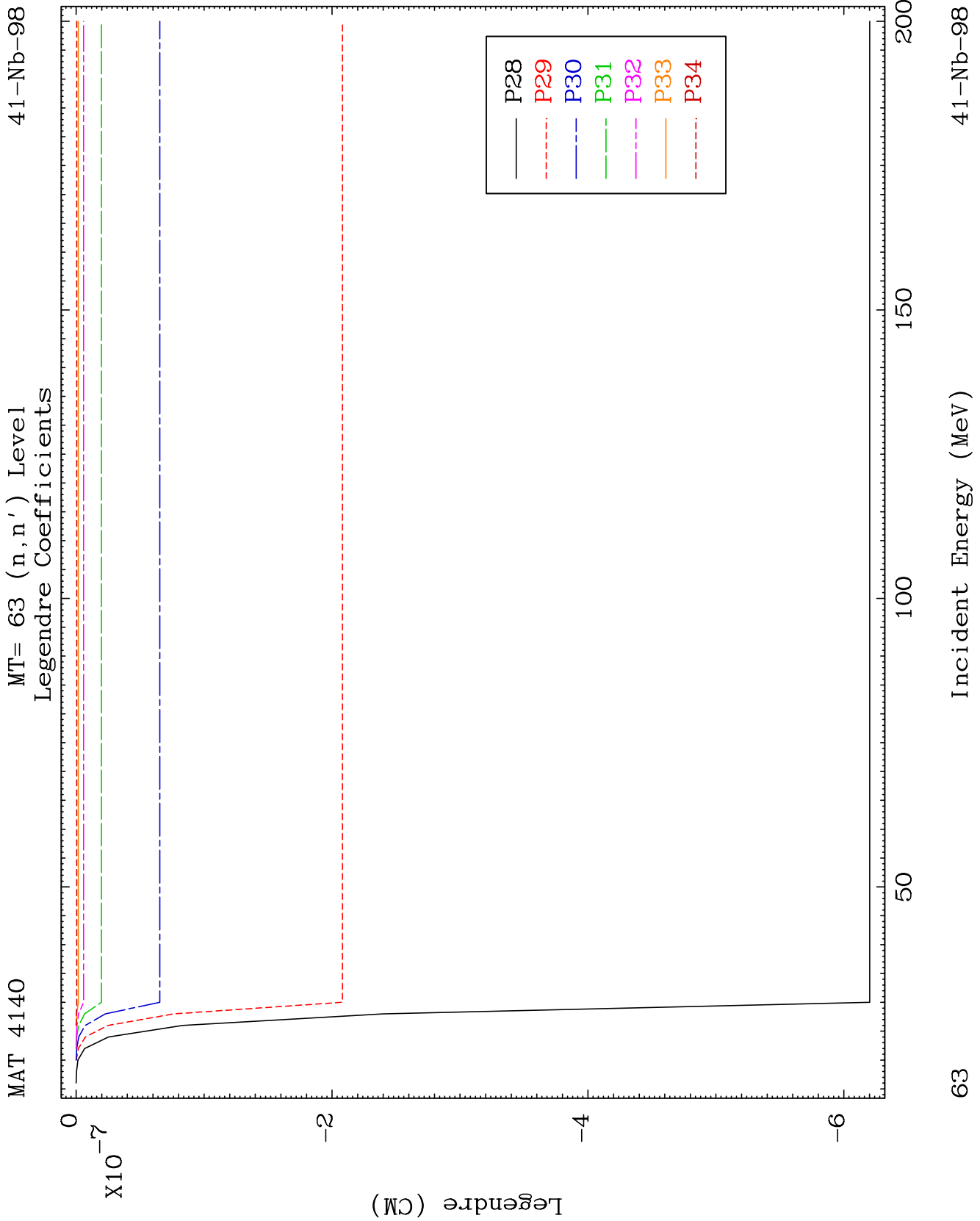


61

Incident Energy (MeV)

41-Nb-98



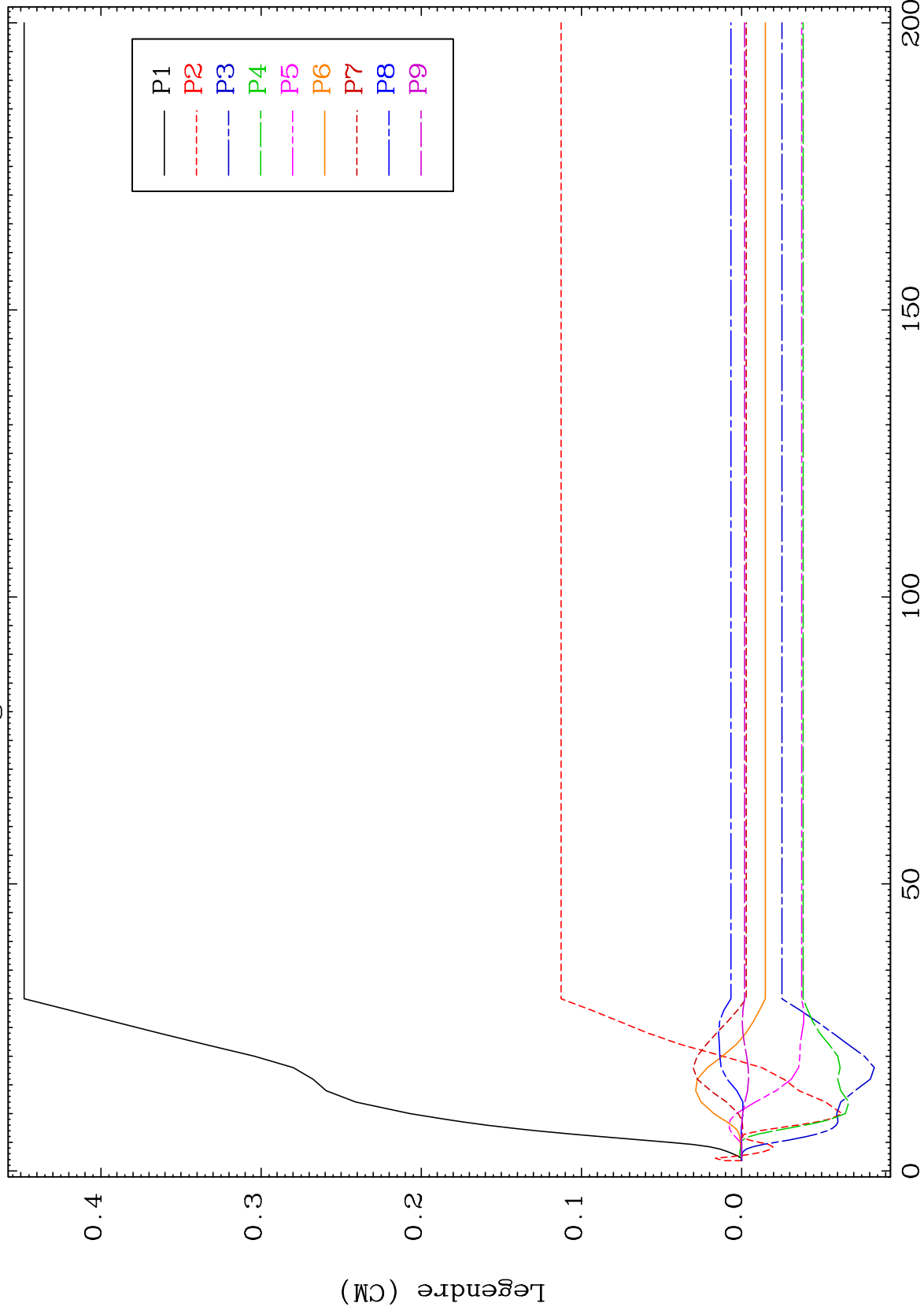




MAT 4140

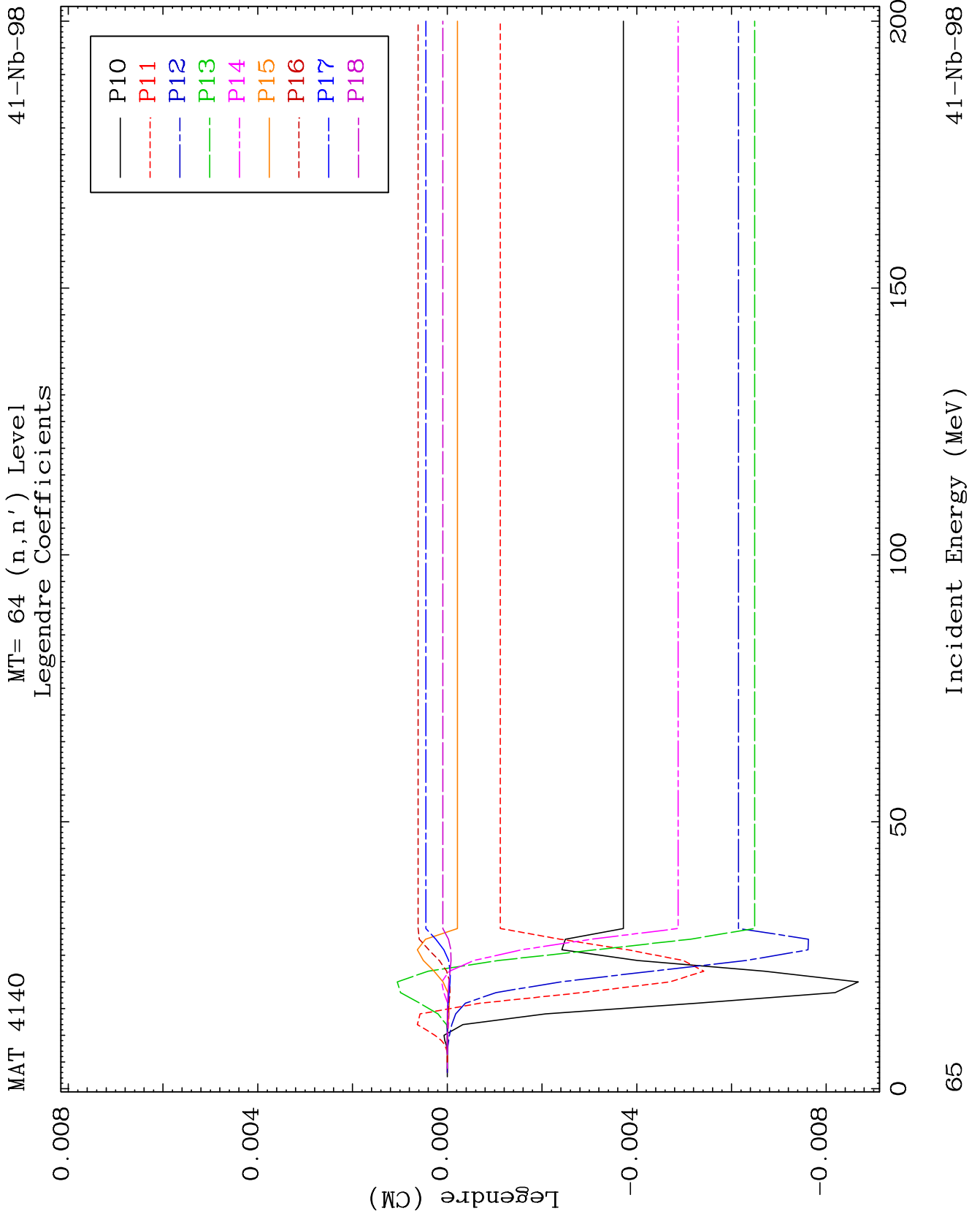
MT= 64 (n,n') Level  
Legendre Coefficients

41-Nb-98



64

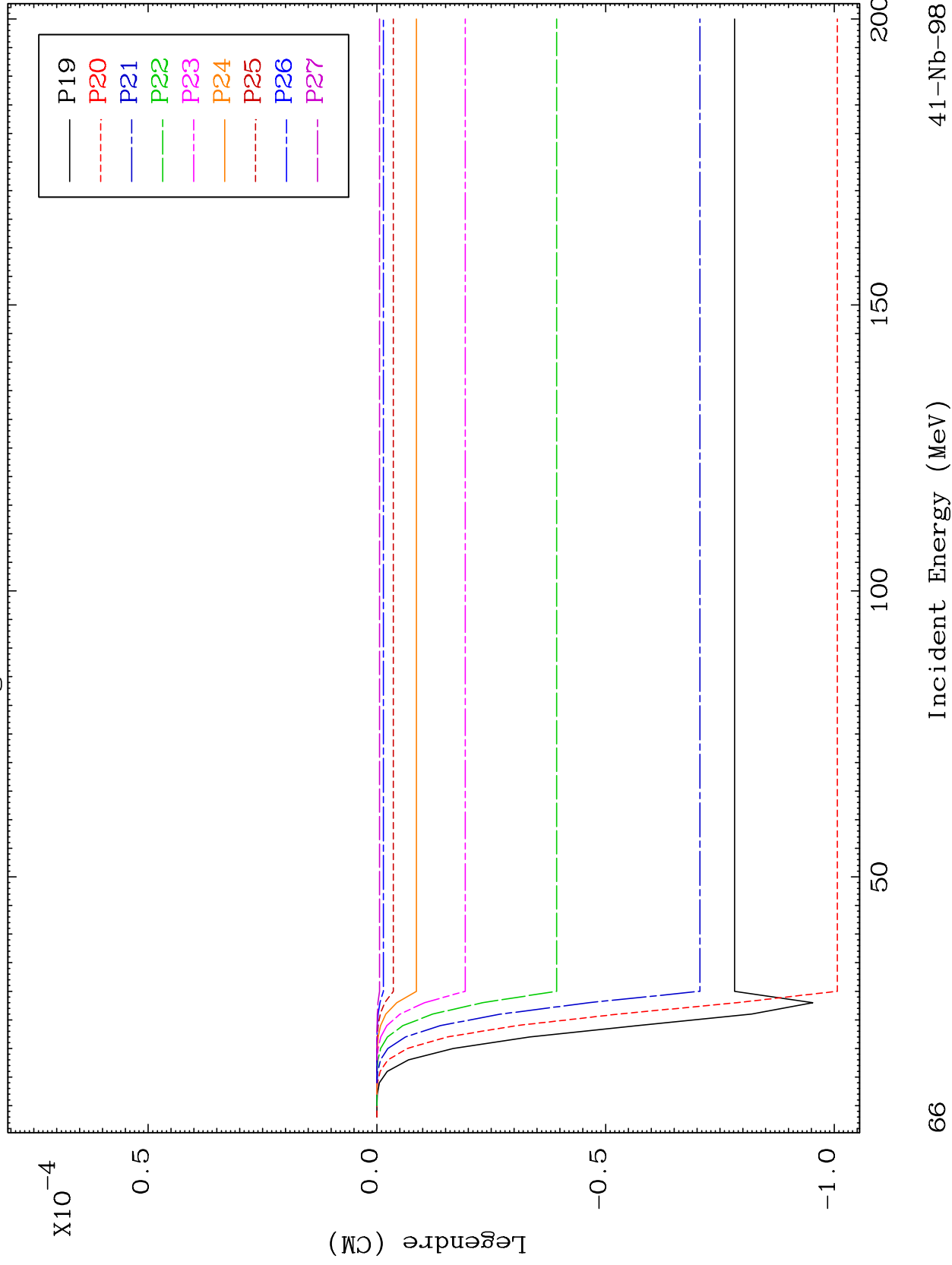
41-Nb-98



MAT 4140

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

41-Nb-98



66

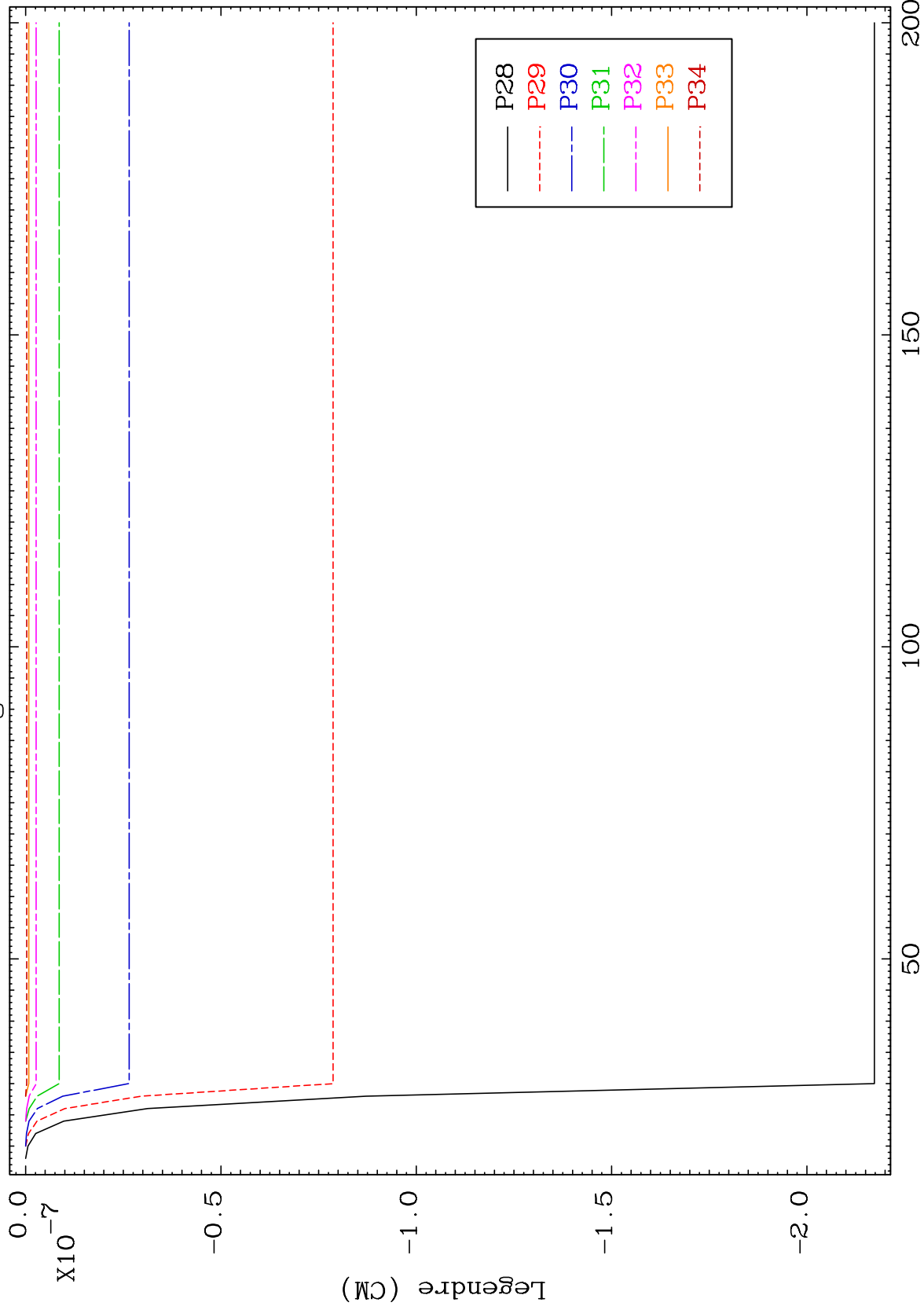
41-Nb-98

MAT 4140

MT= 64 (n,n') Level

41-Nb-98

Legendre Coefficients



67

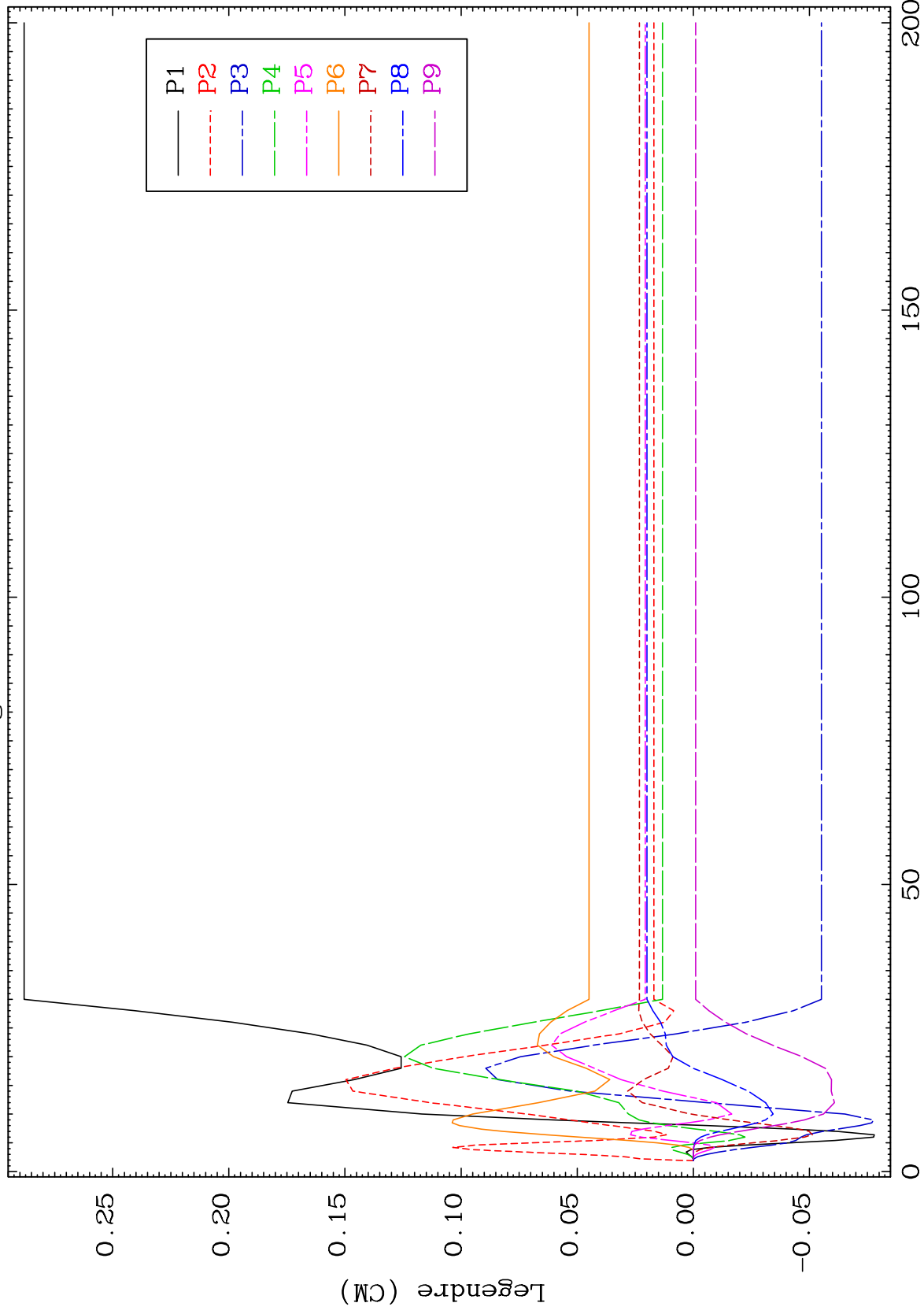
Incident Energy (MeV)

41-Nb-98

MAT 4140

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

41-Nb-98



68

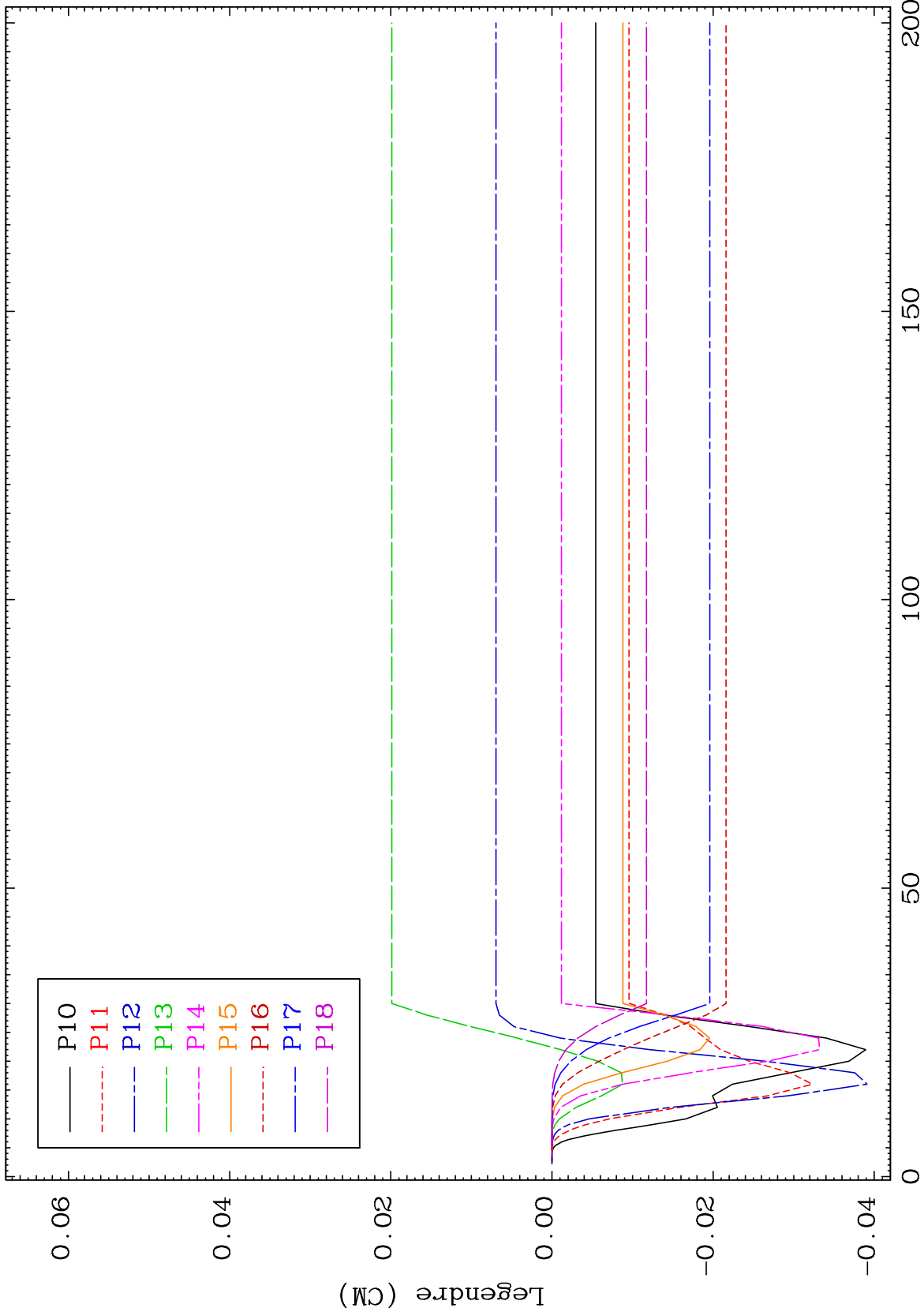
Incident Energy (MeV)

41-Nb-98

MAT 4140

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

41-Nb-98



69

Incident Energy (MeV)

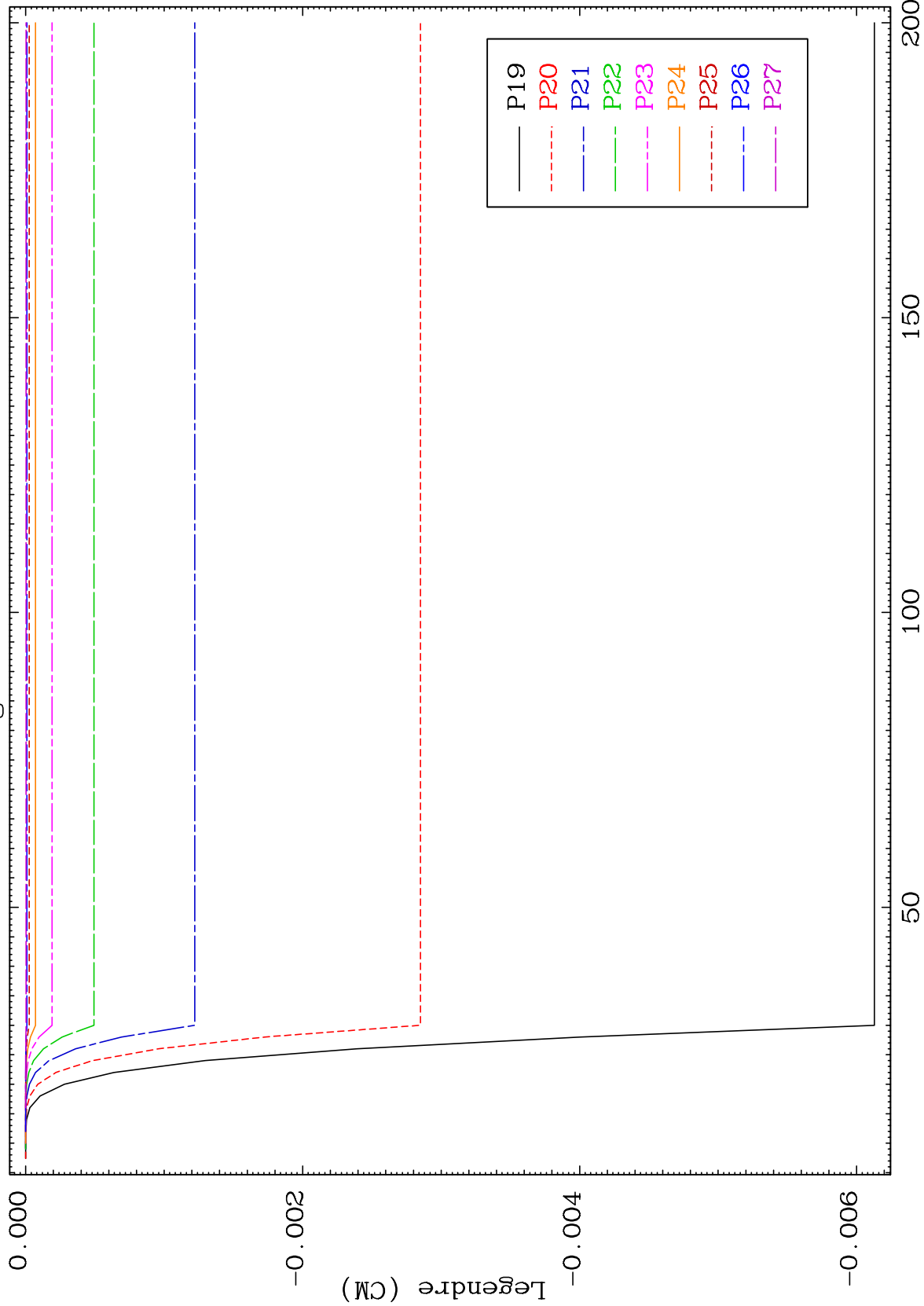
41-Nb-98

MAT 4140

MT= 65 (n,n') Level

41-Nb-98

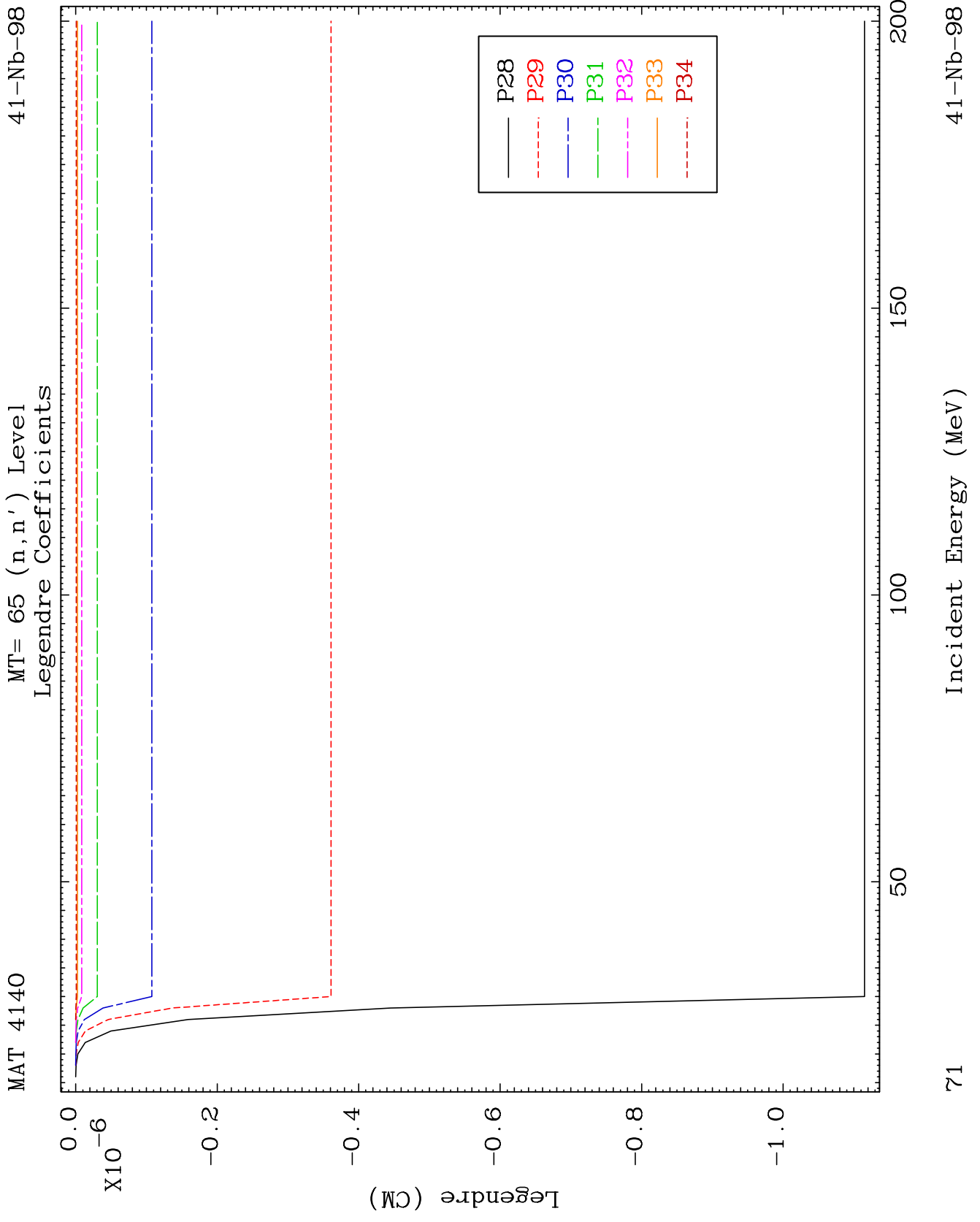
Legendre Coefficients



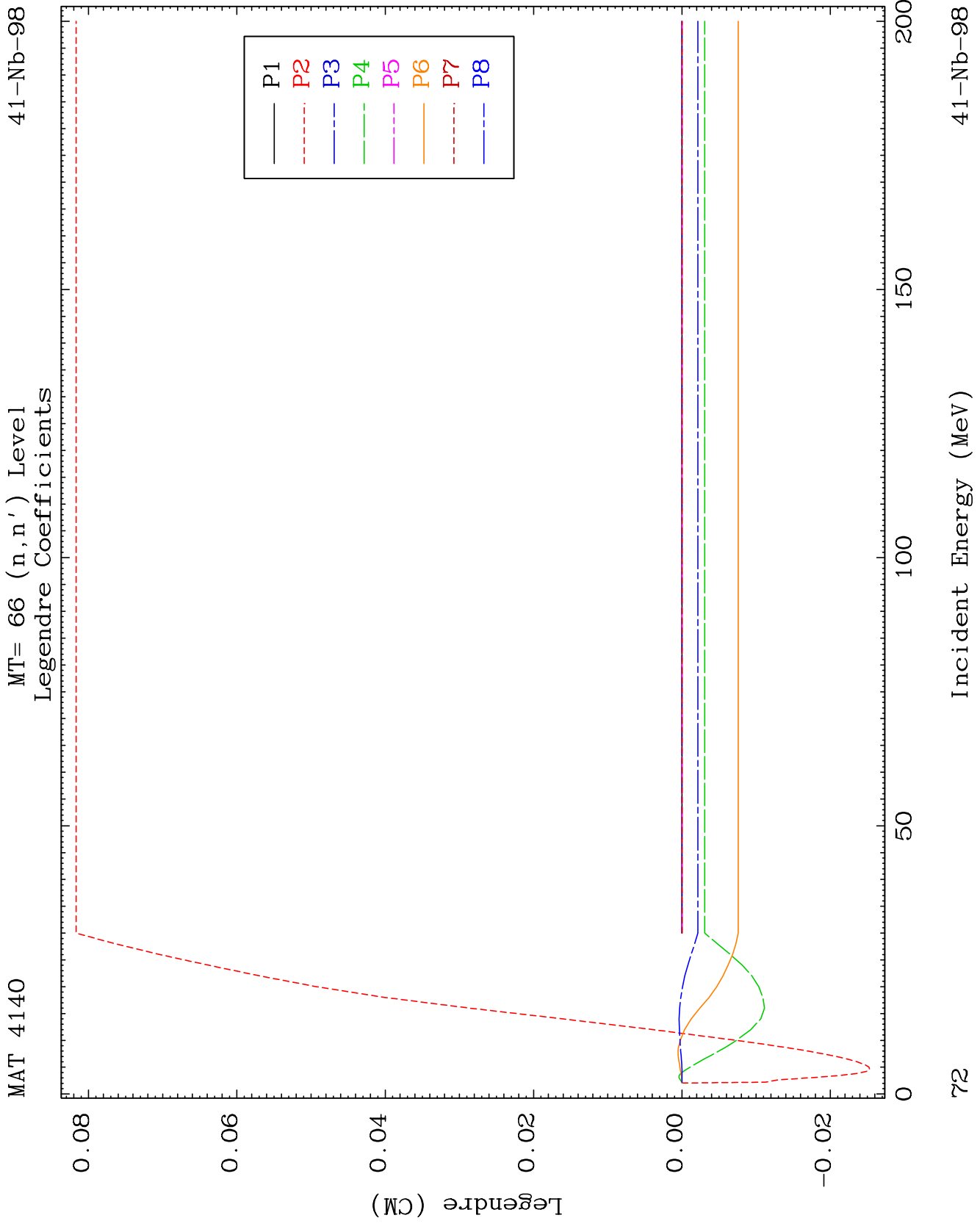
41-Nb-98

Incident Energy (MeV)

70



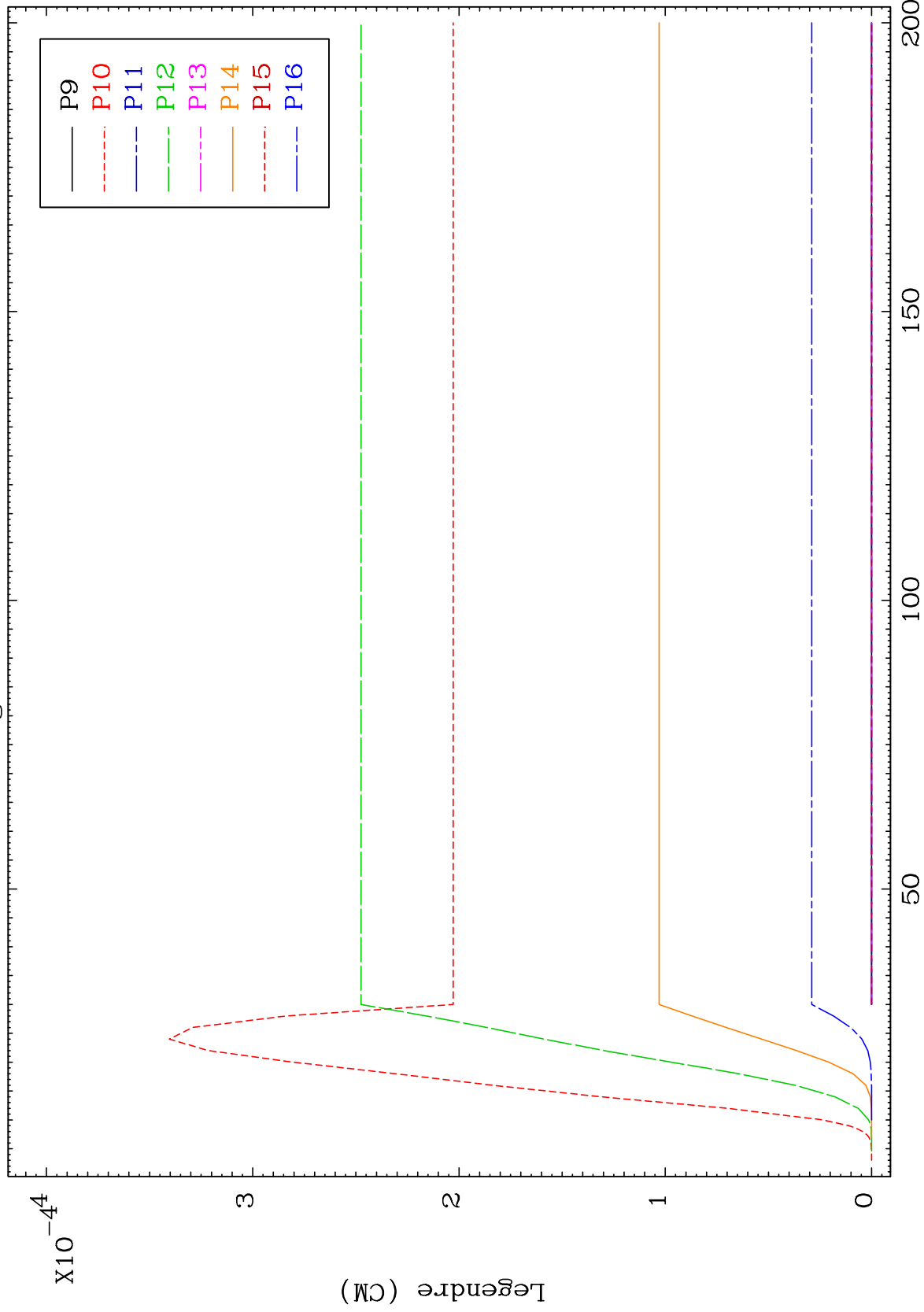




MAT 4140

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

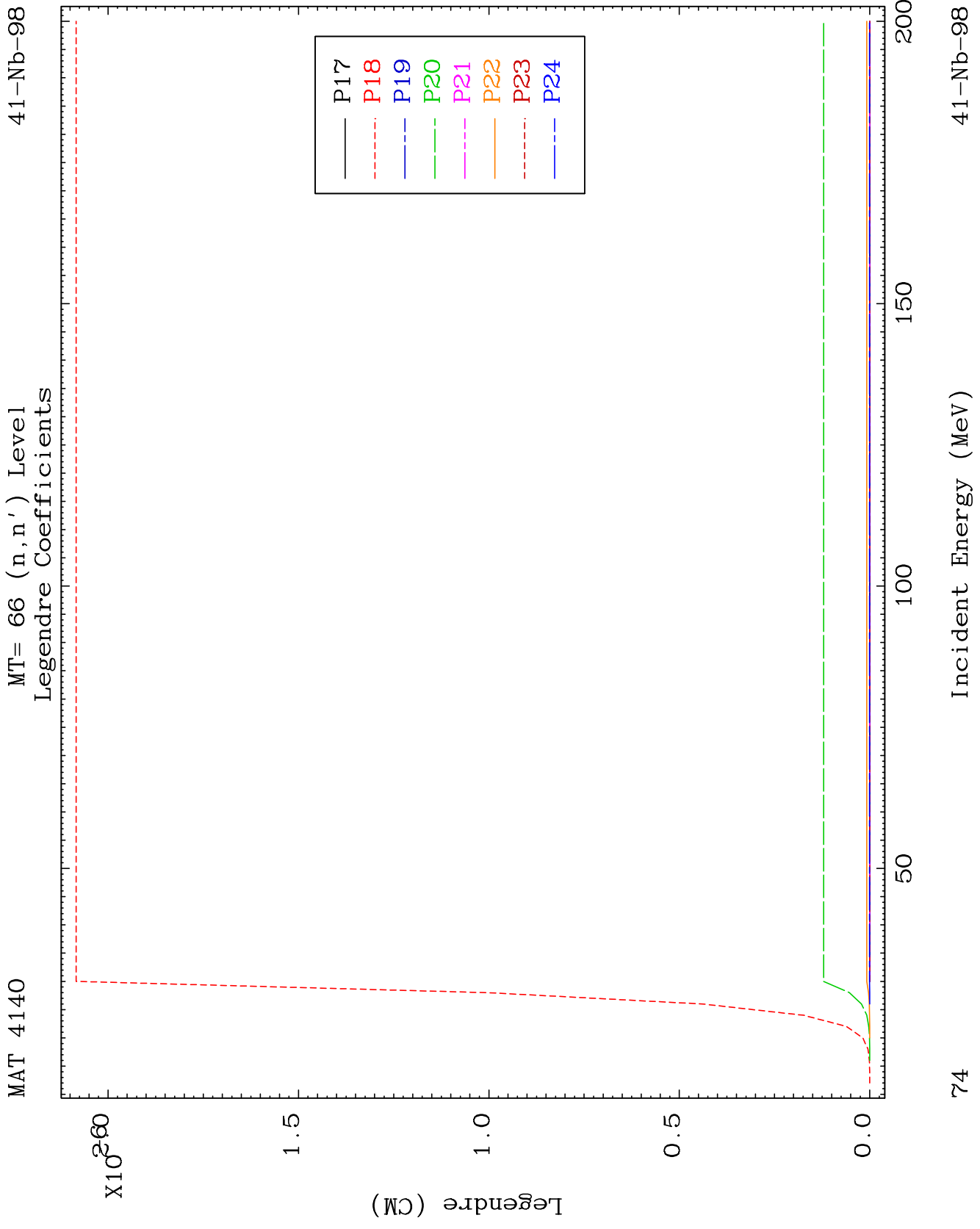
41-Nb-98

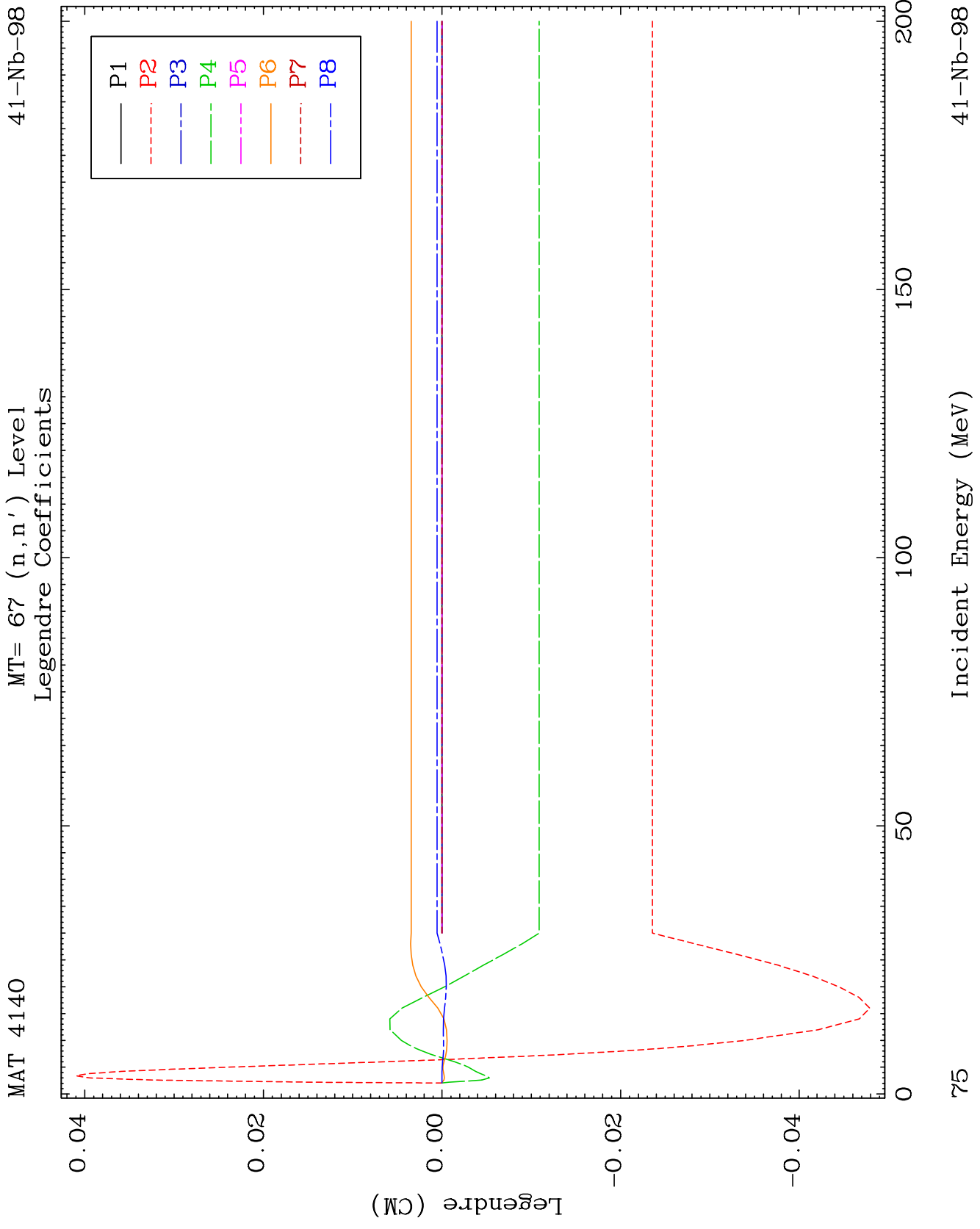


73

Incident Energy (MeV)

41-Nb-98

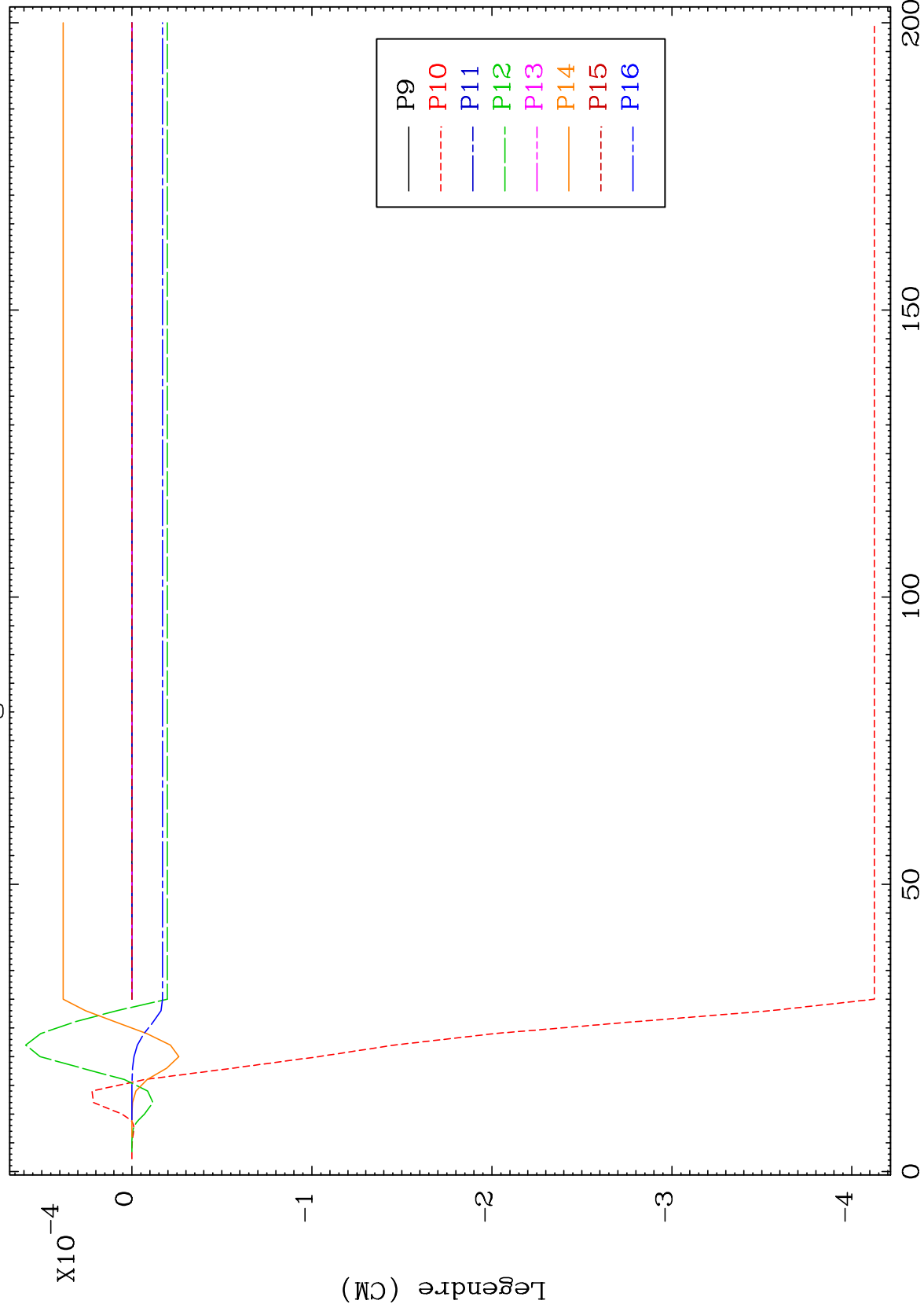




MAT 4140

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

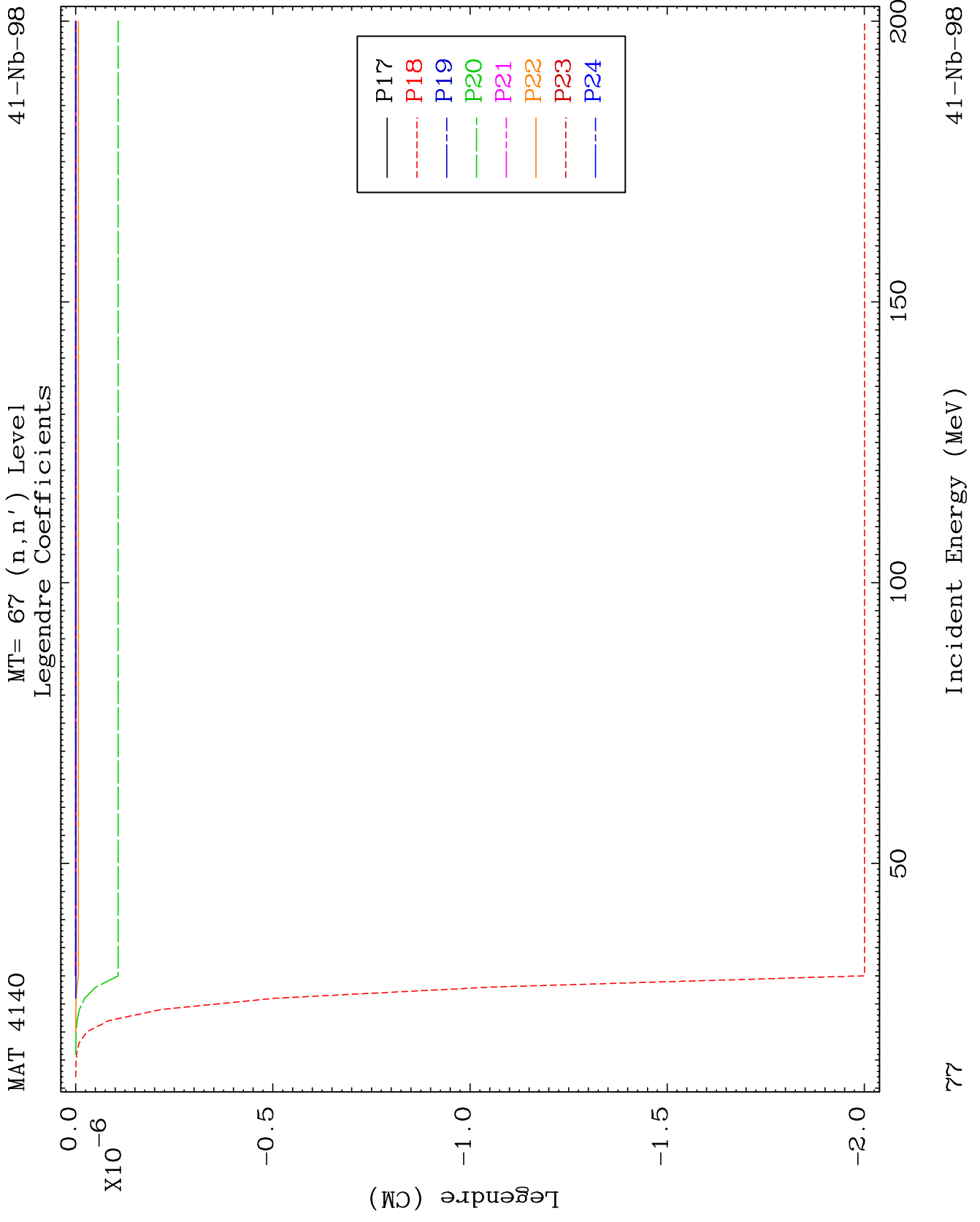
41-Nb-98

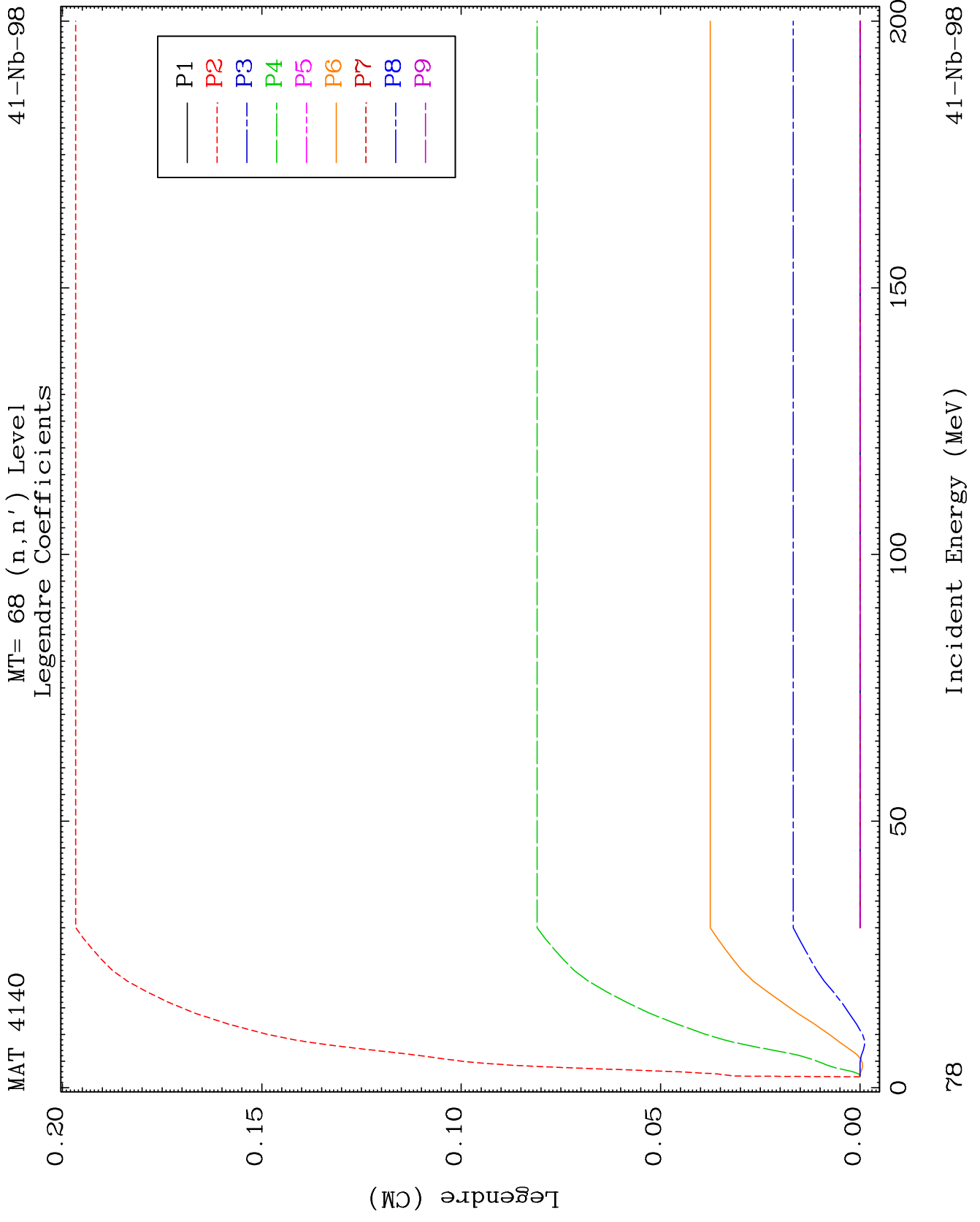


76

Incident Energy (MeV)

41-Nb-98

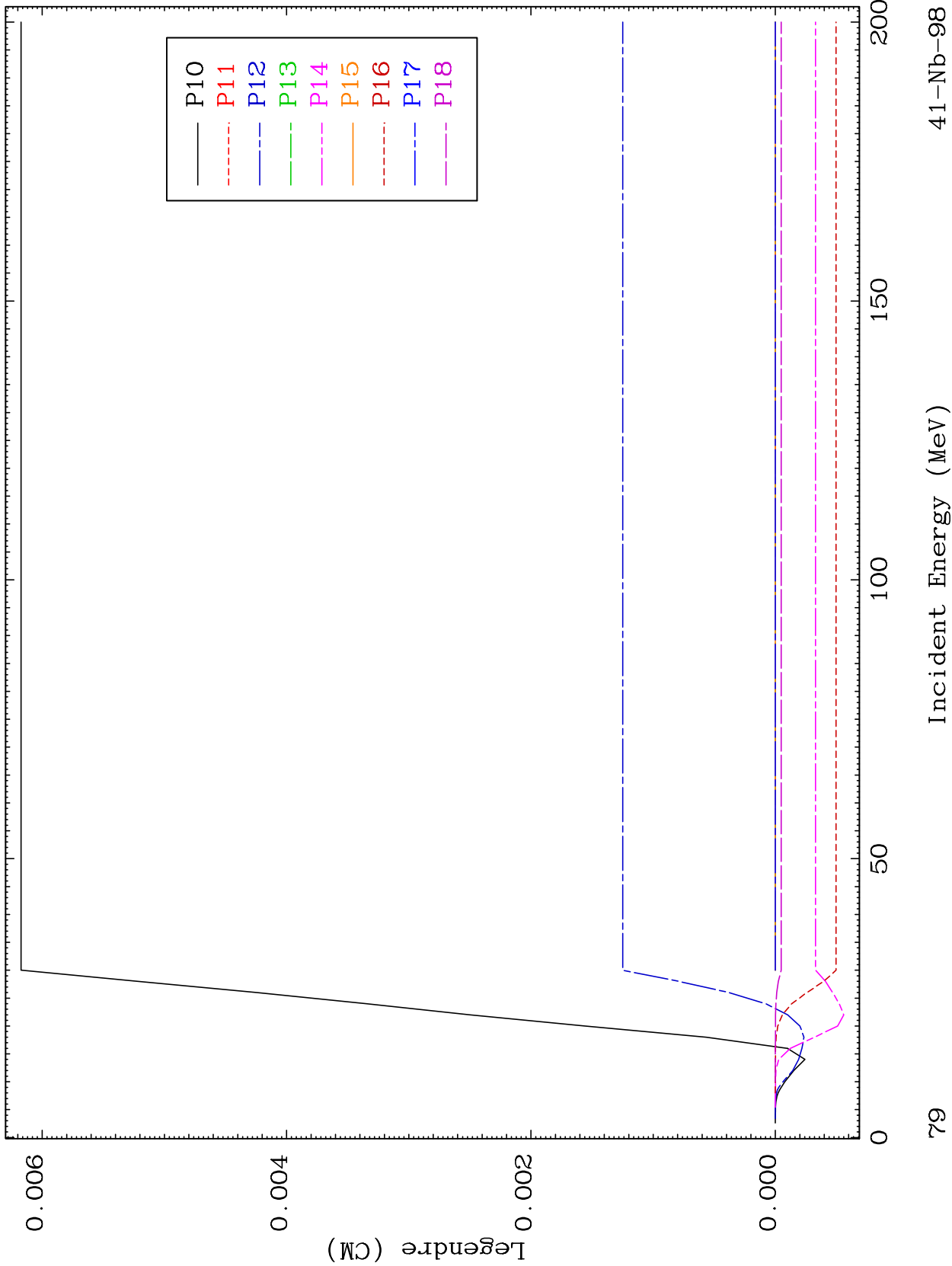




MAT 4140

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

41-Nb-98

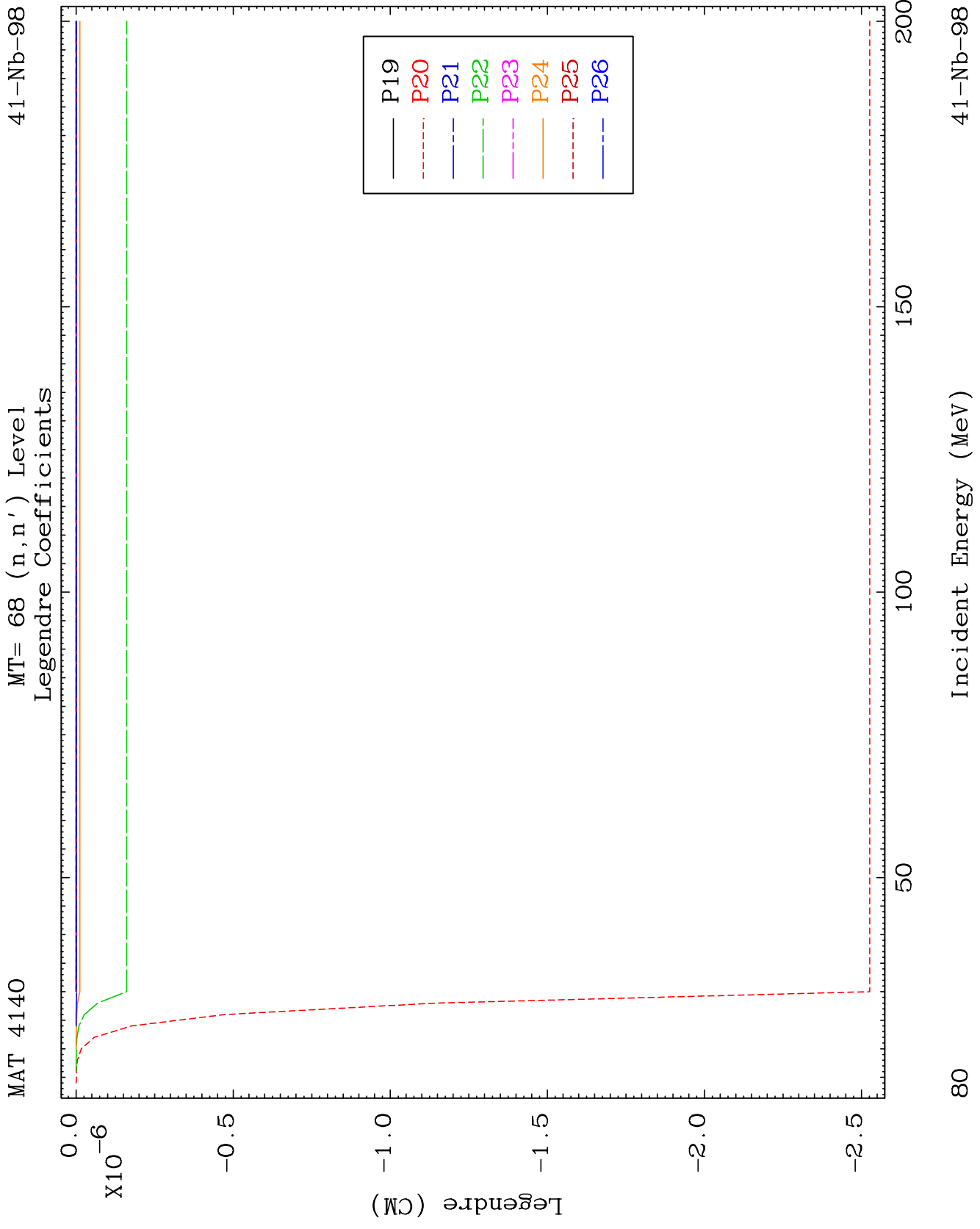


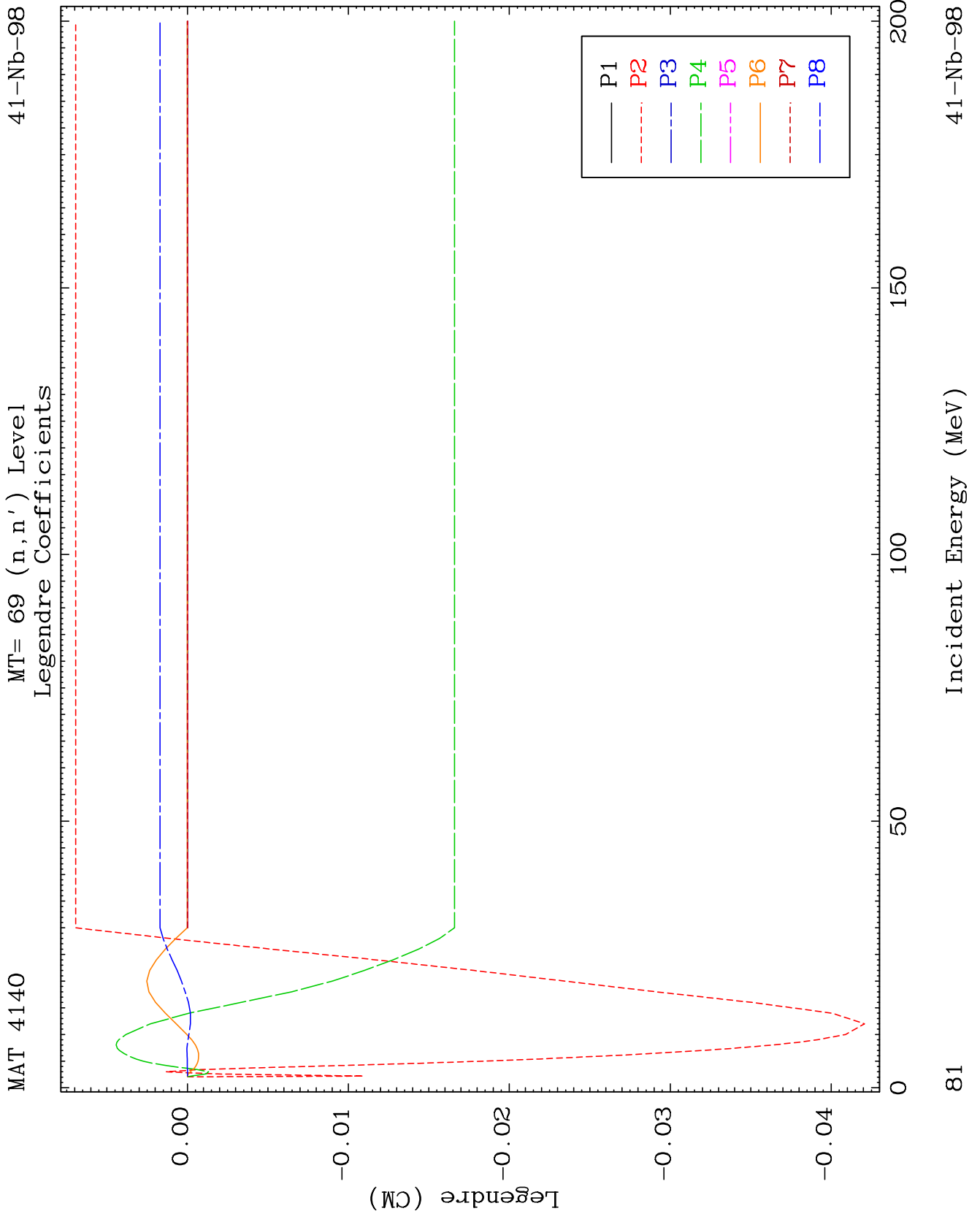
79

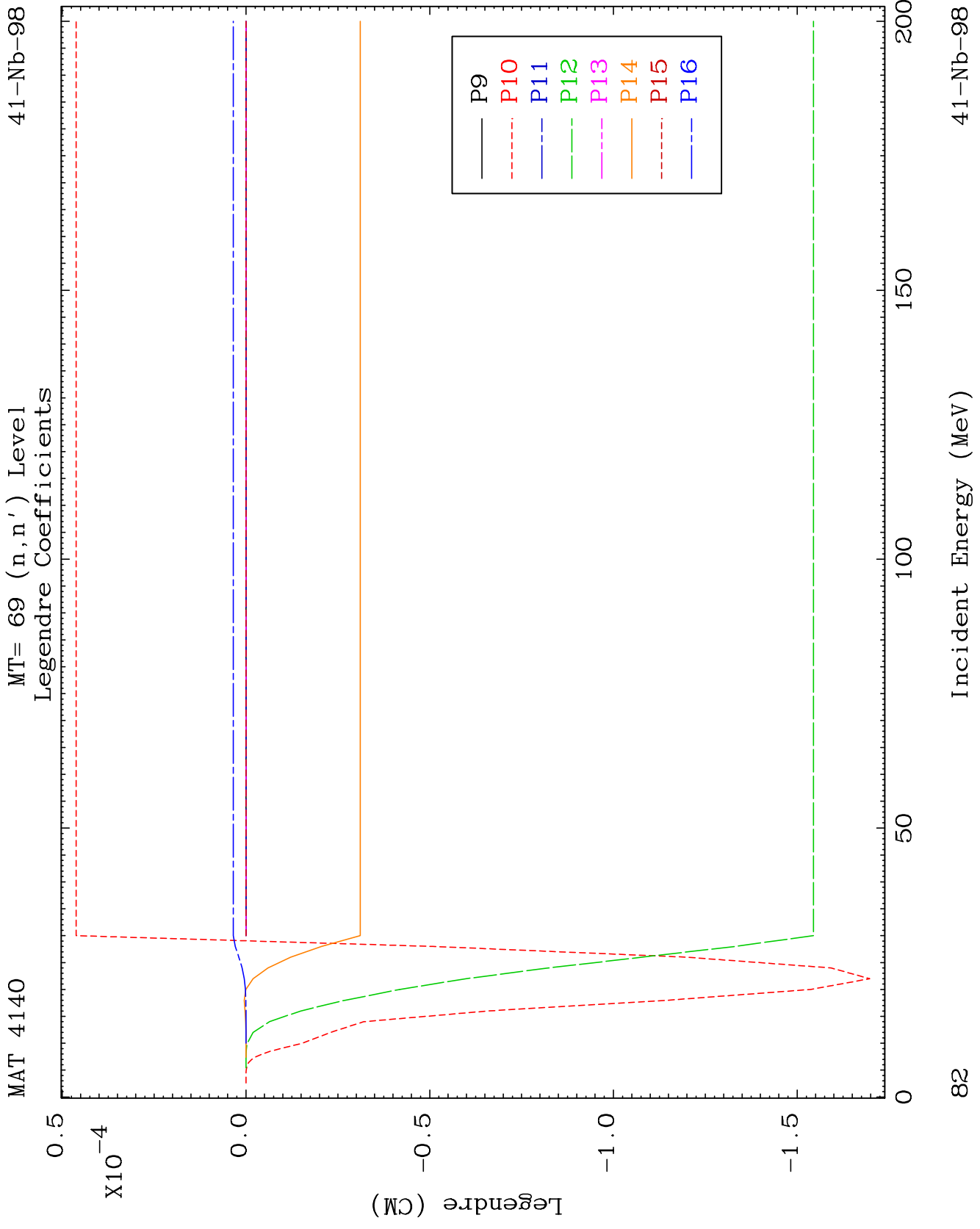
Incident Energy (MeV)

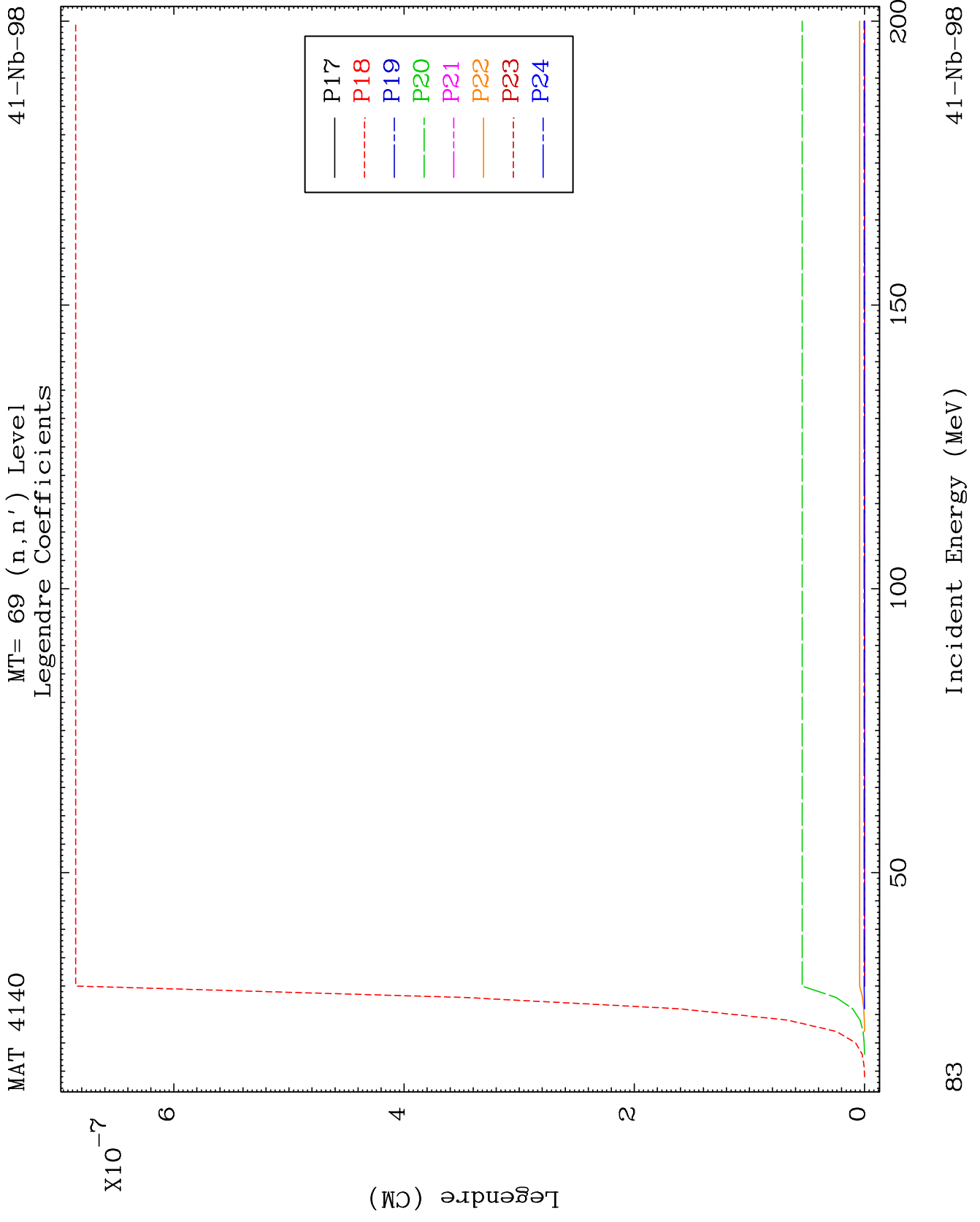
41-Nb-98







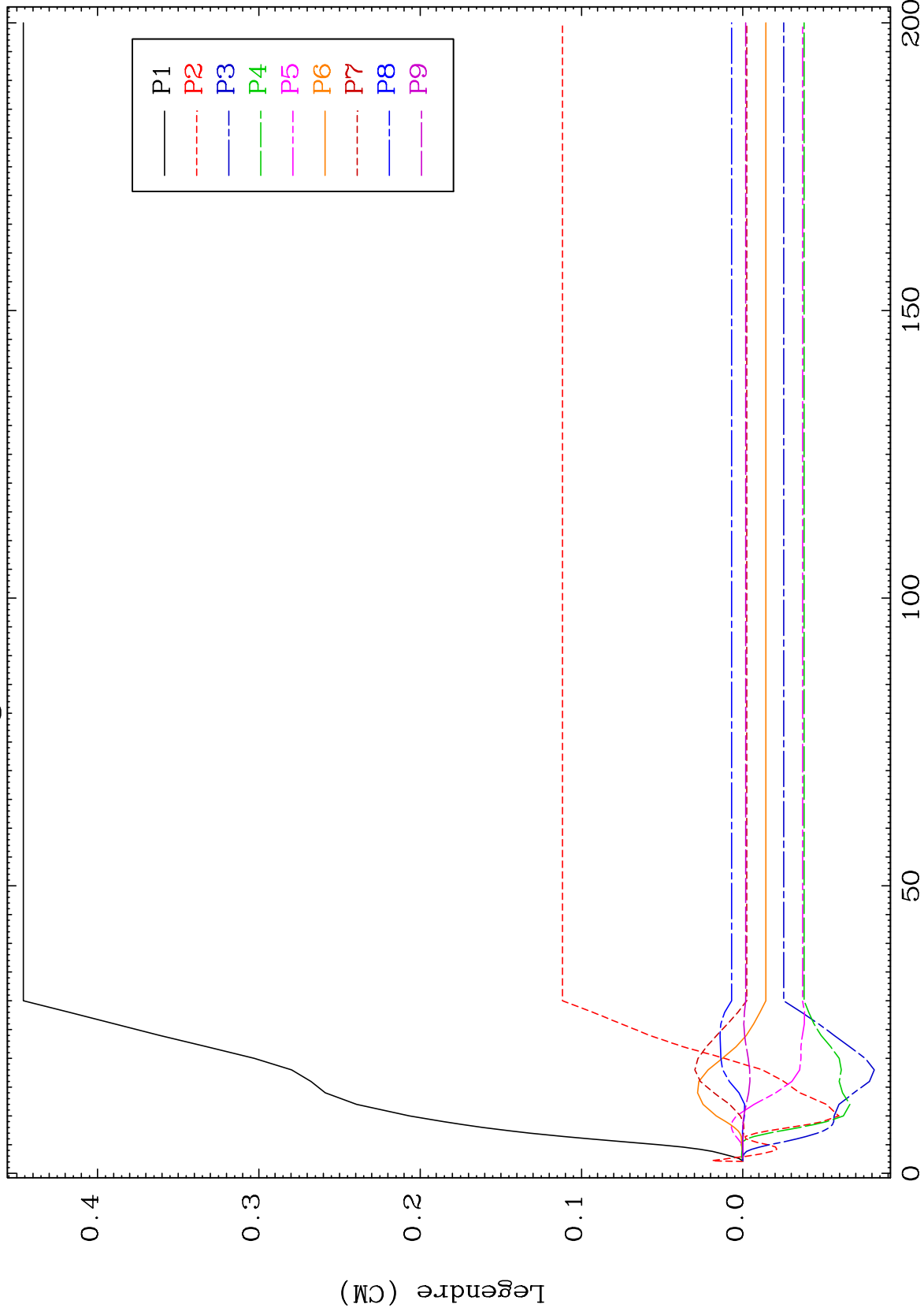




MAT 4140

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

41-Nb-98



84

Incident Energy (MeV)

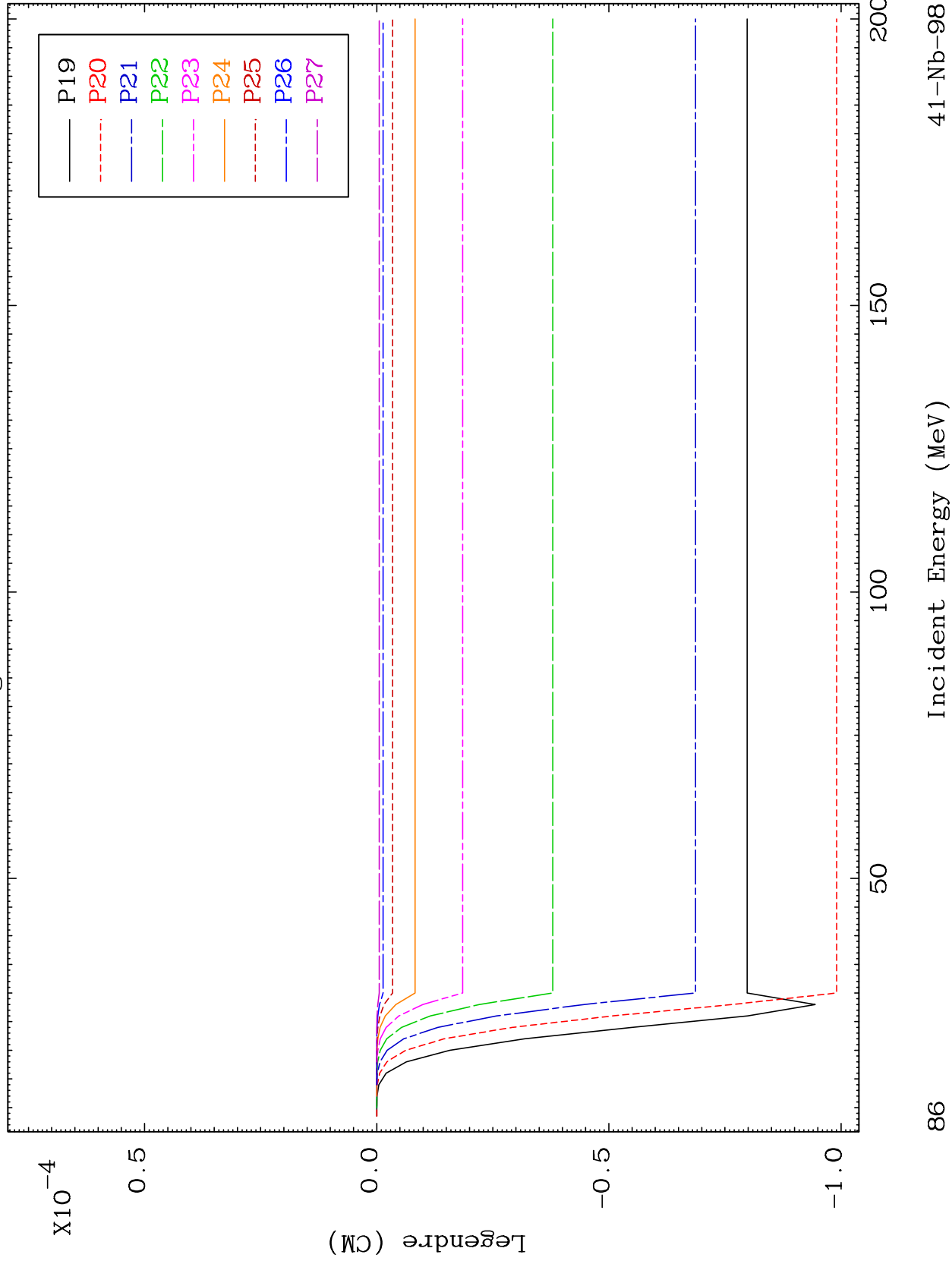
41-Nb-98



MAT 4140

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

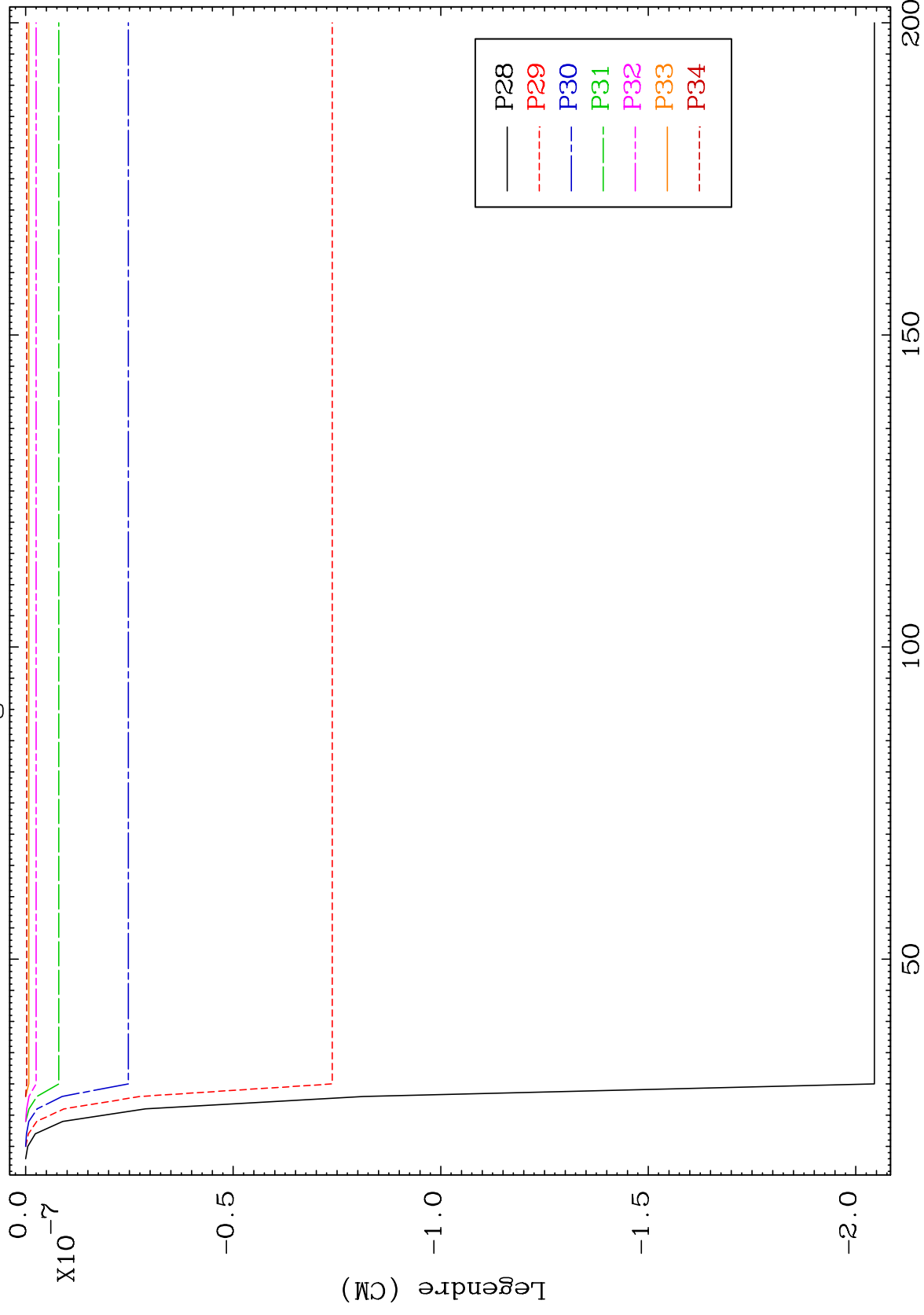
41-Nb-98



MAT 4140

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

41-Nb-98



87

Incident Energy (MeV)

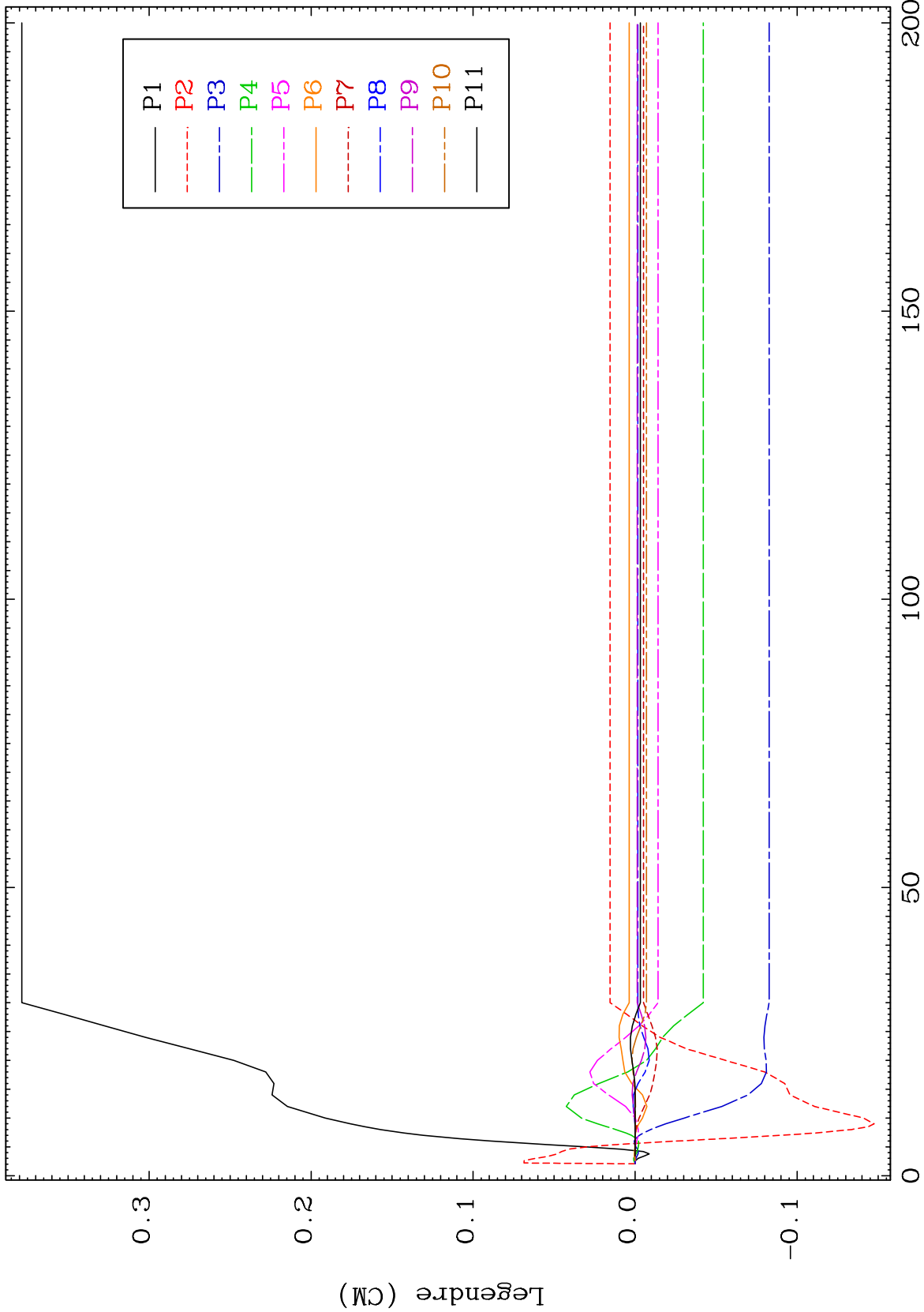
41-Nb-98



MAT 4140

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

41-Nb-98



88

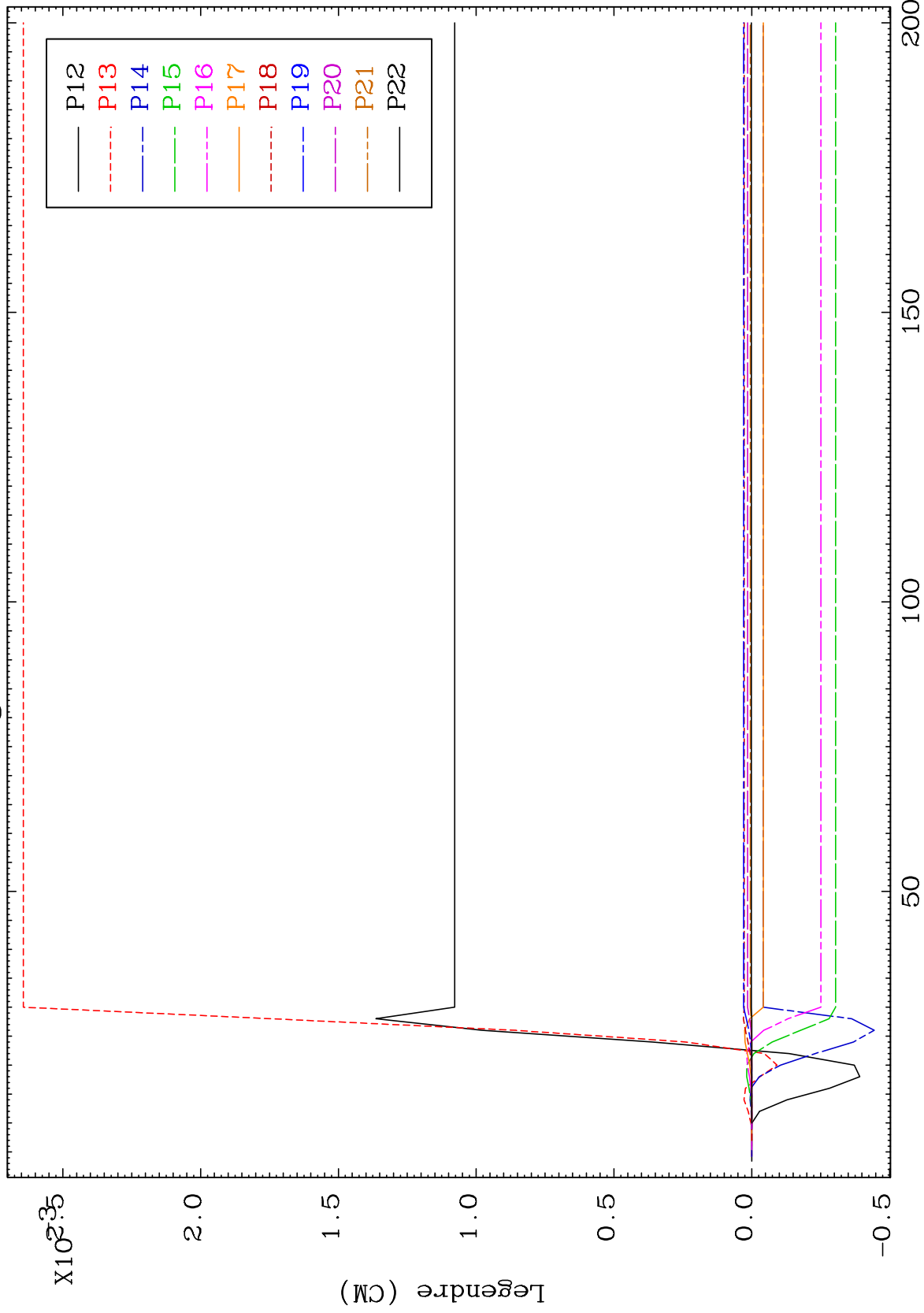
Incident Energy (MeV)

41-Nb-98

MAT 4140

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

41-Nb-98



89

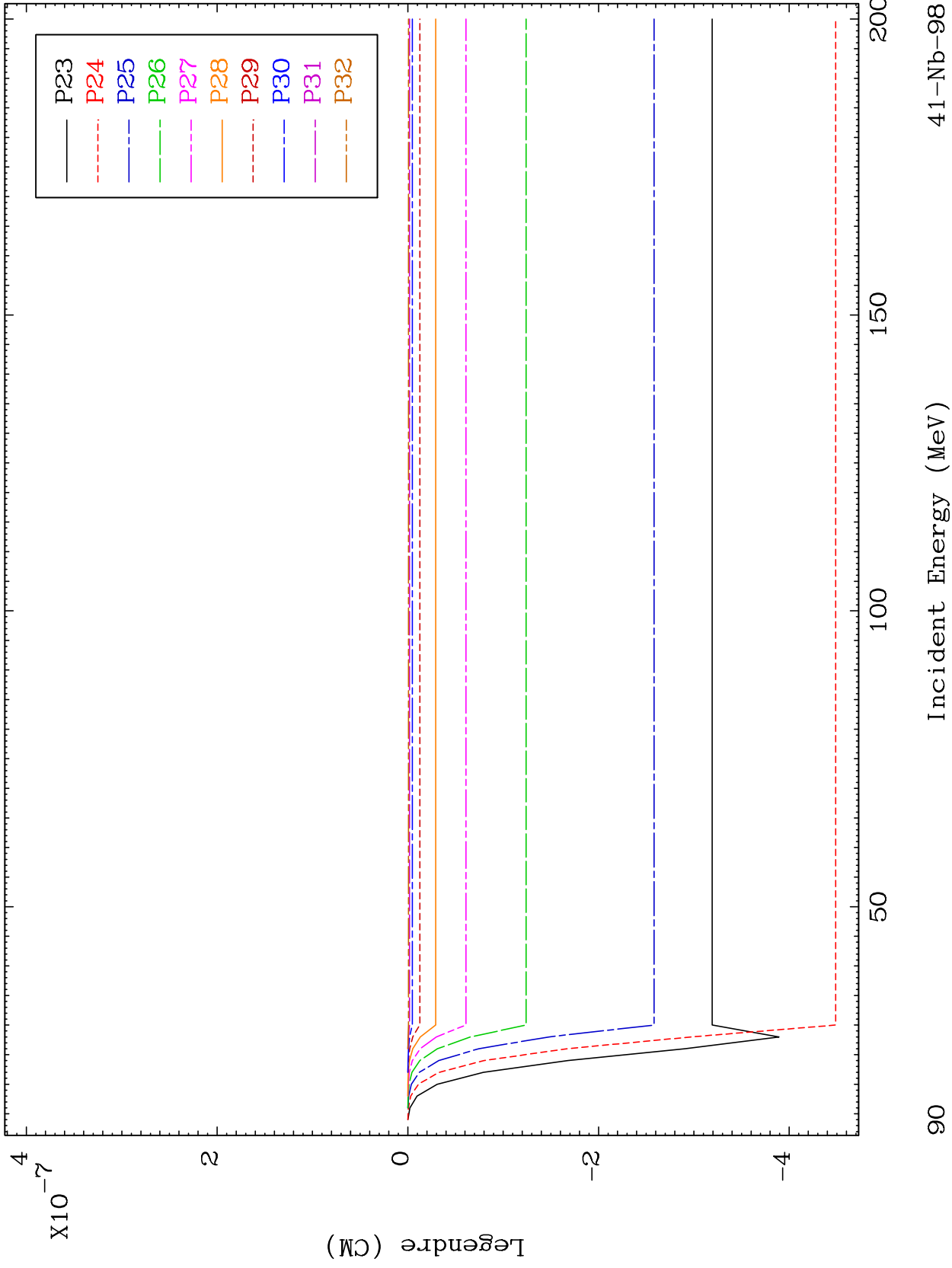
Incident Energy (MeV)

41-Nb-98

MAT 4140

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

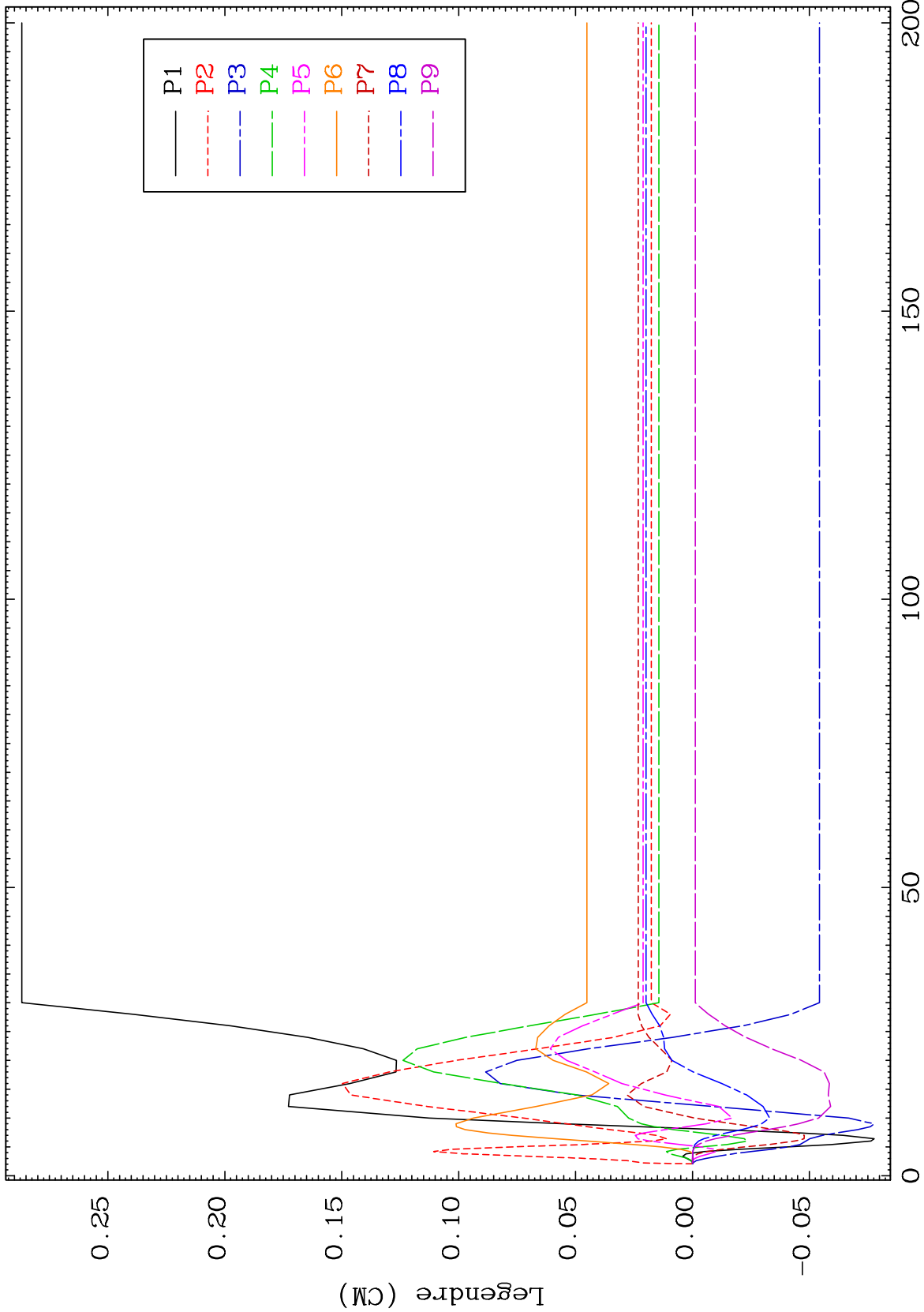
41-Nb-98



MAT 4140

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

41-Nb-98



91

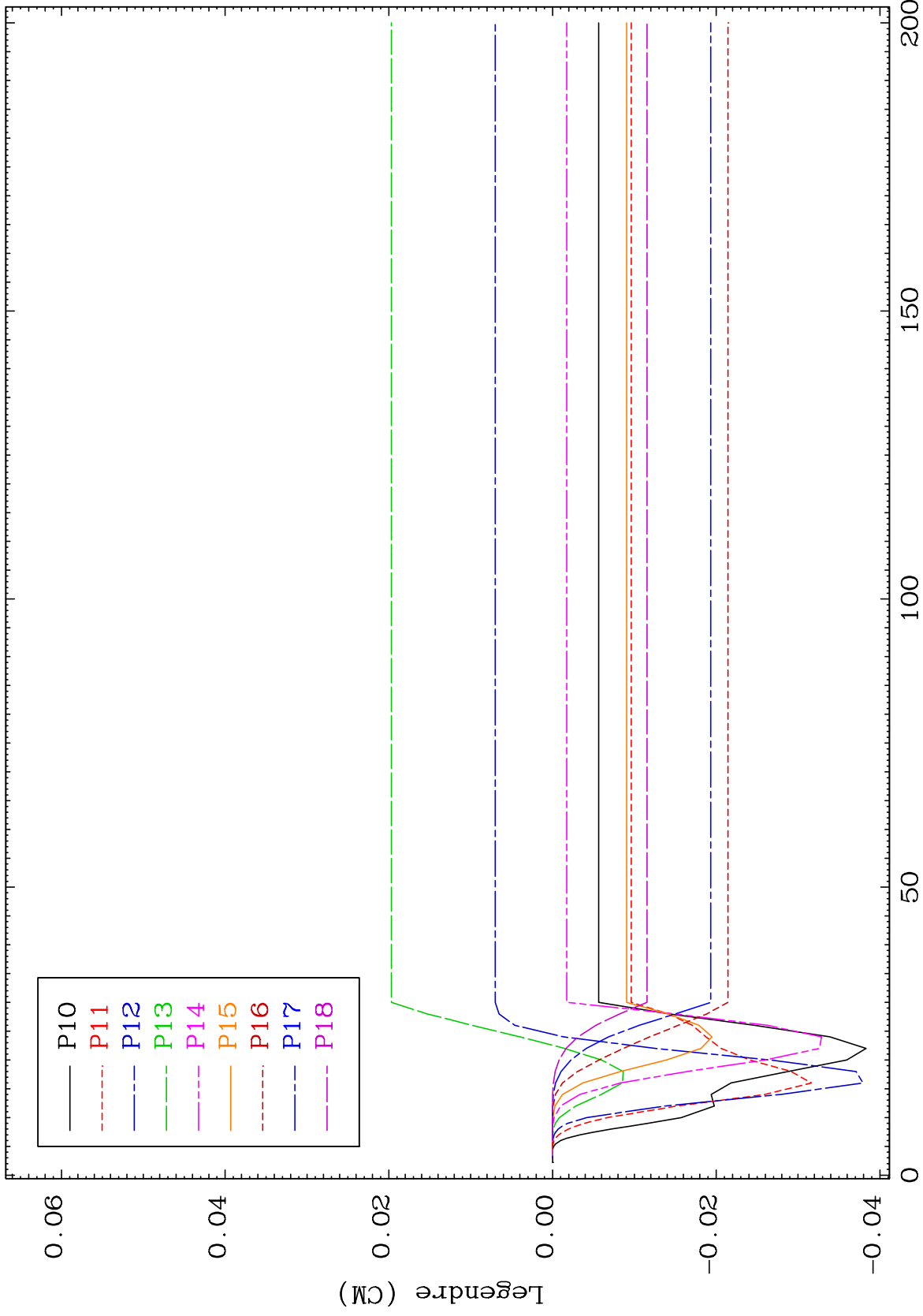
Incident Energy (MeV)

41-Nb-98

MAT 4140

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

41-Nb-98

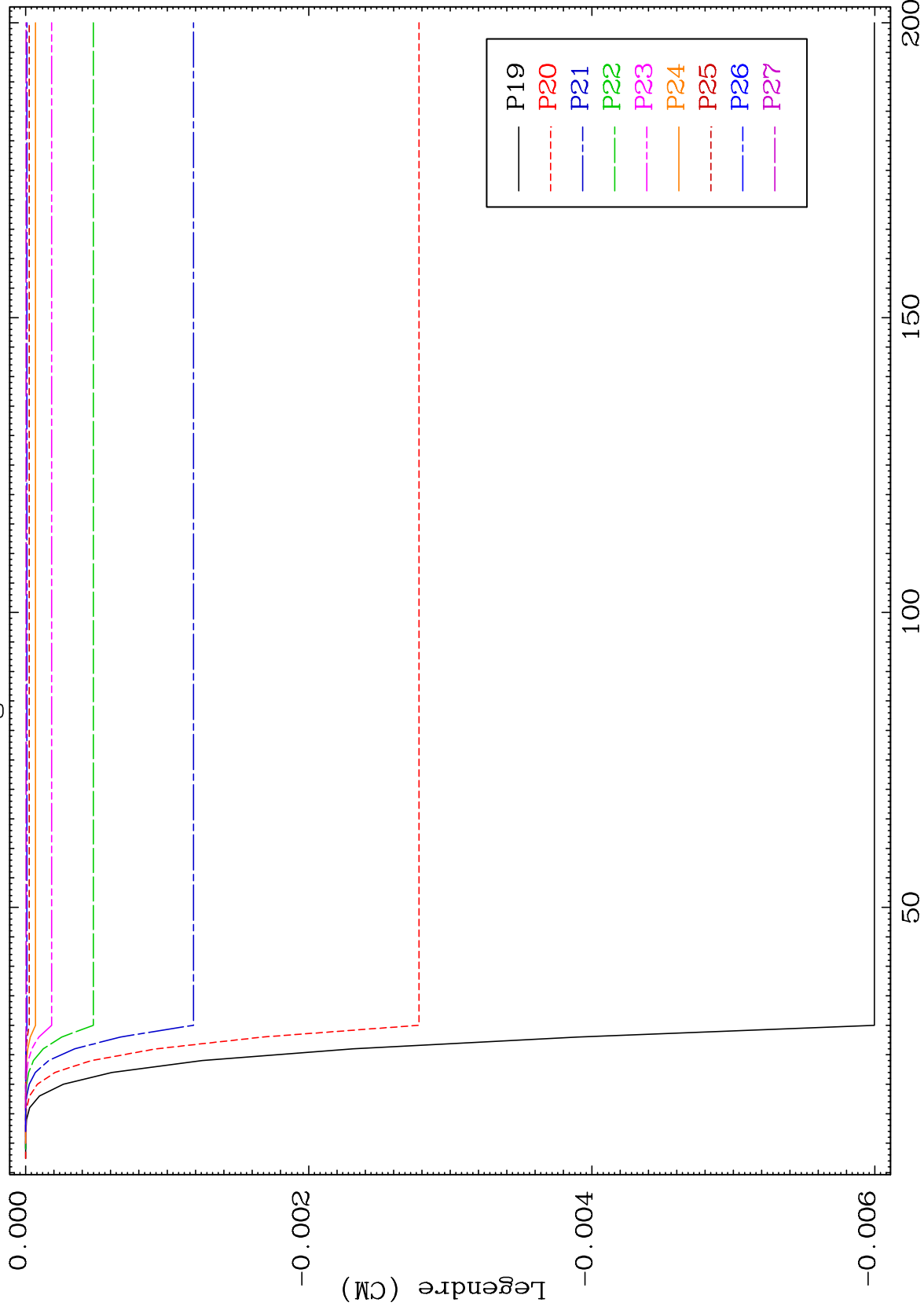


92

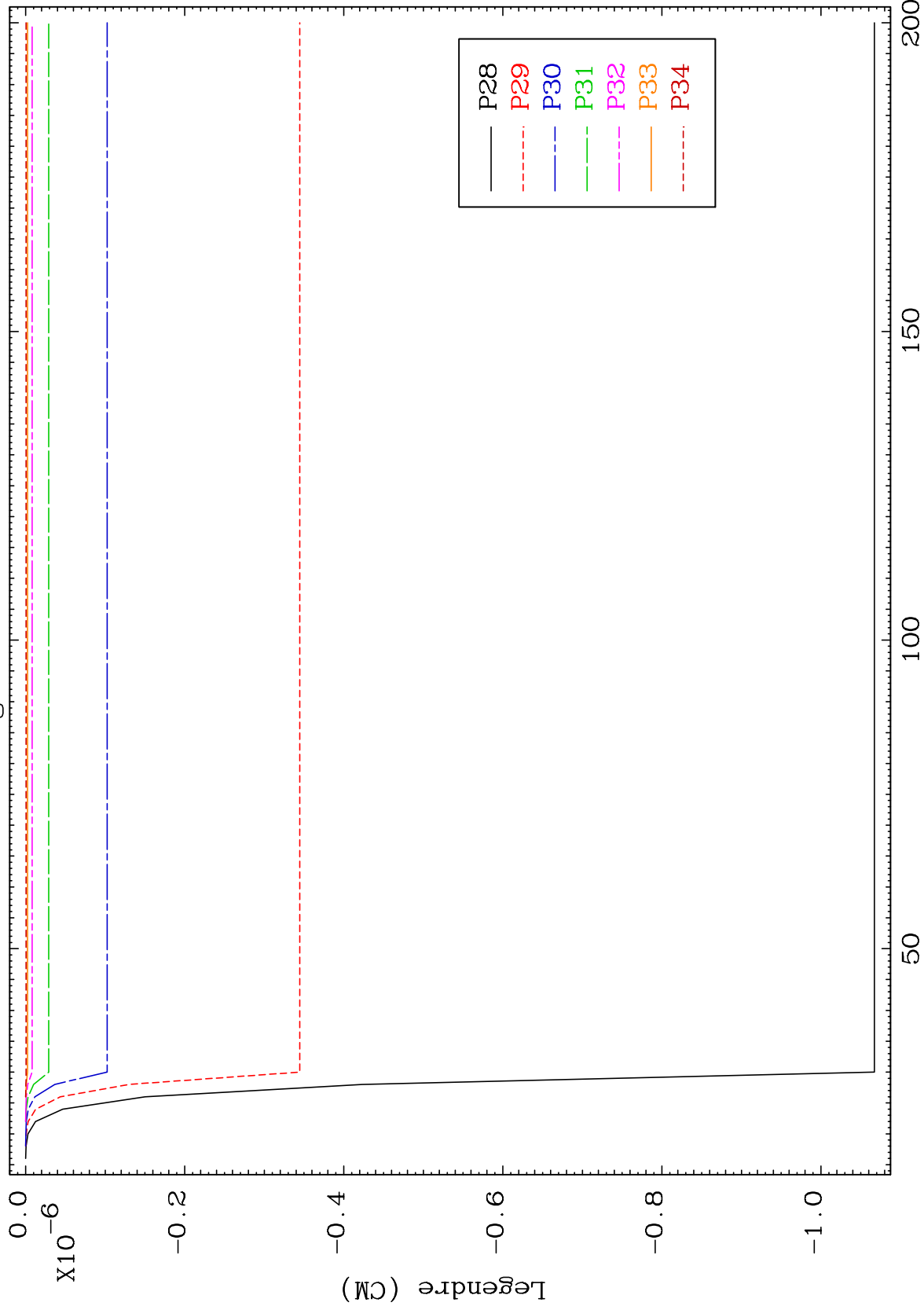
Incident Energy (MeV)

41-Nb-98

Legendre Coefficients



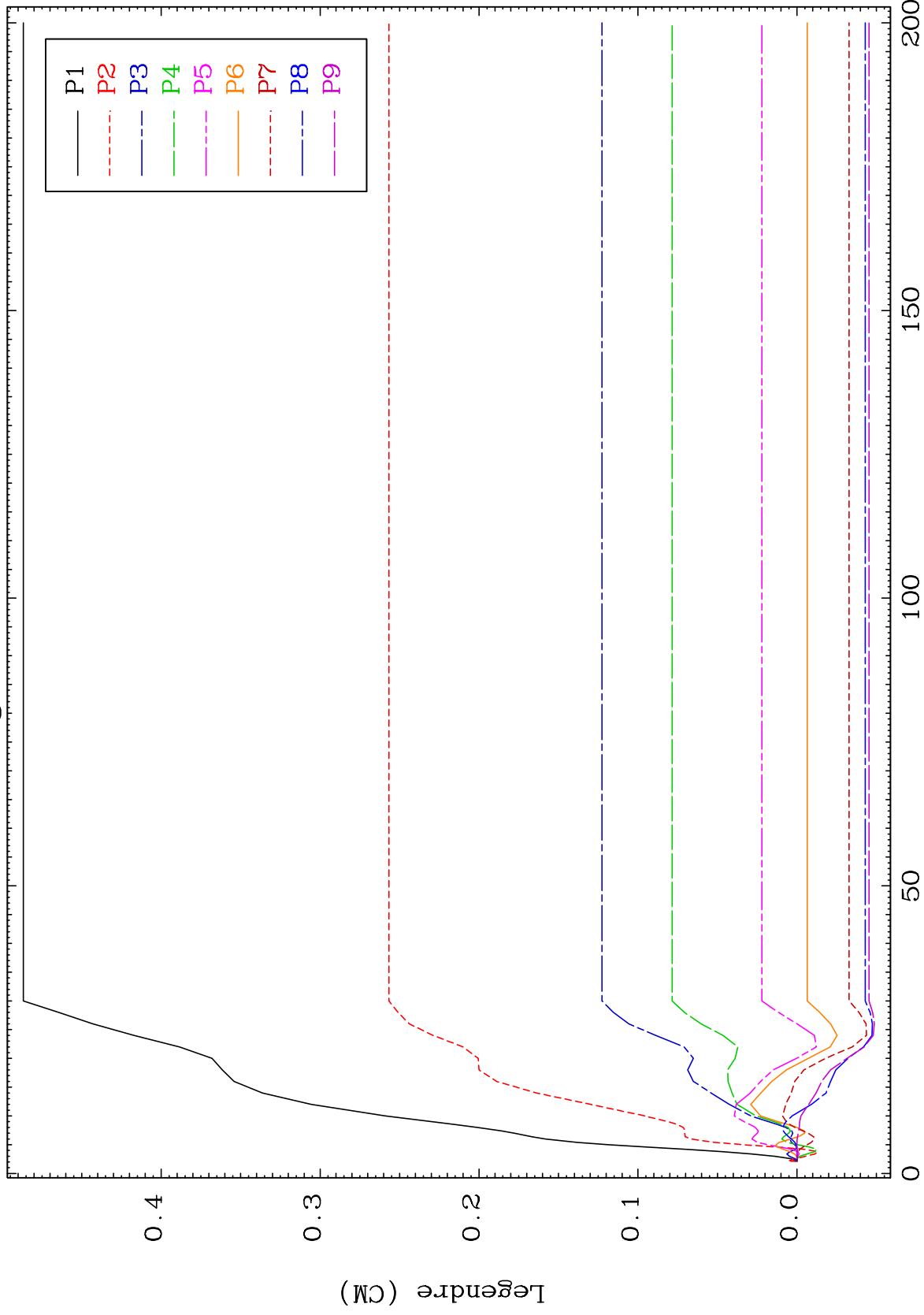
Legendre Coefficients



MAT 4140

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

41-Nb-98



95

Incident Energy (MeV)

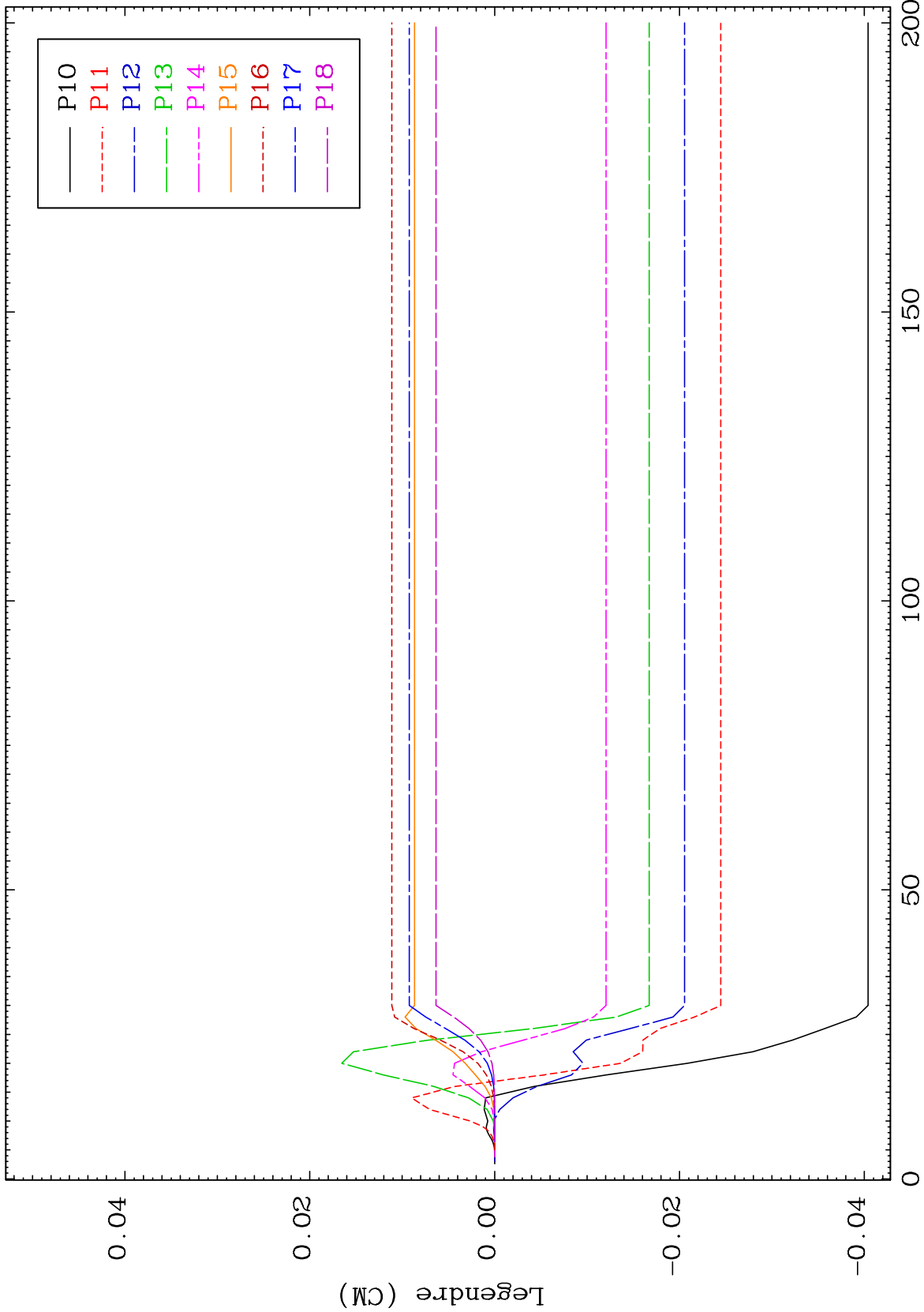
41-Nb-98



MAT 4140

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

41-Nb-98



96

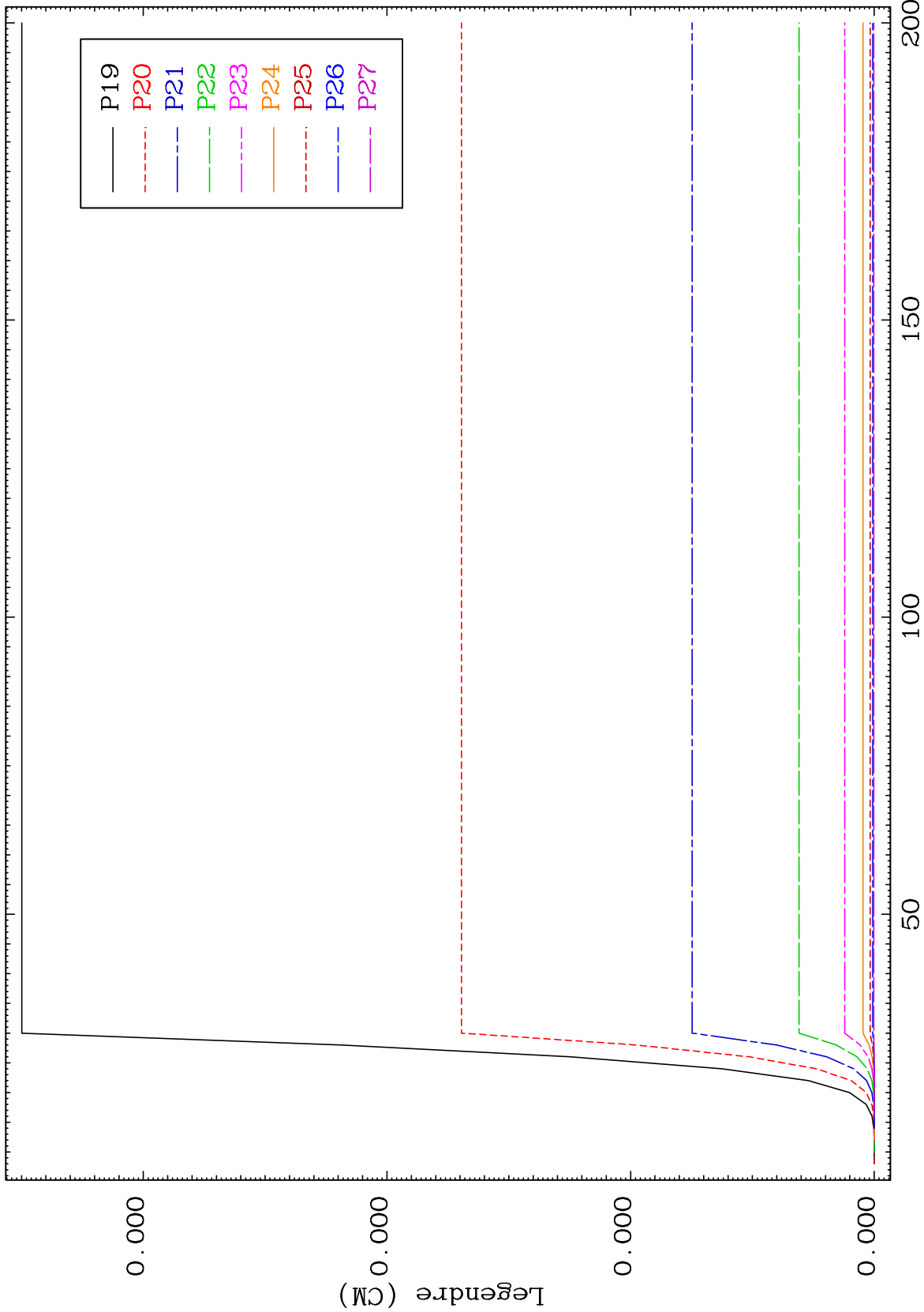
Incident Energy (MeV)

41-Nb-98

MAT 4140

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

41-Nb-98



97

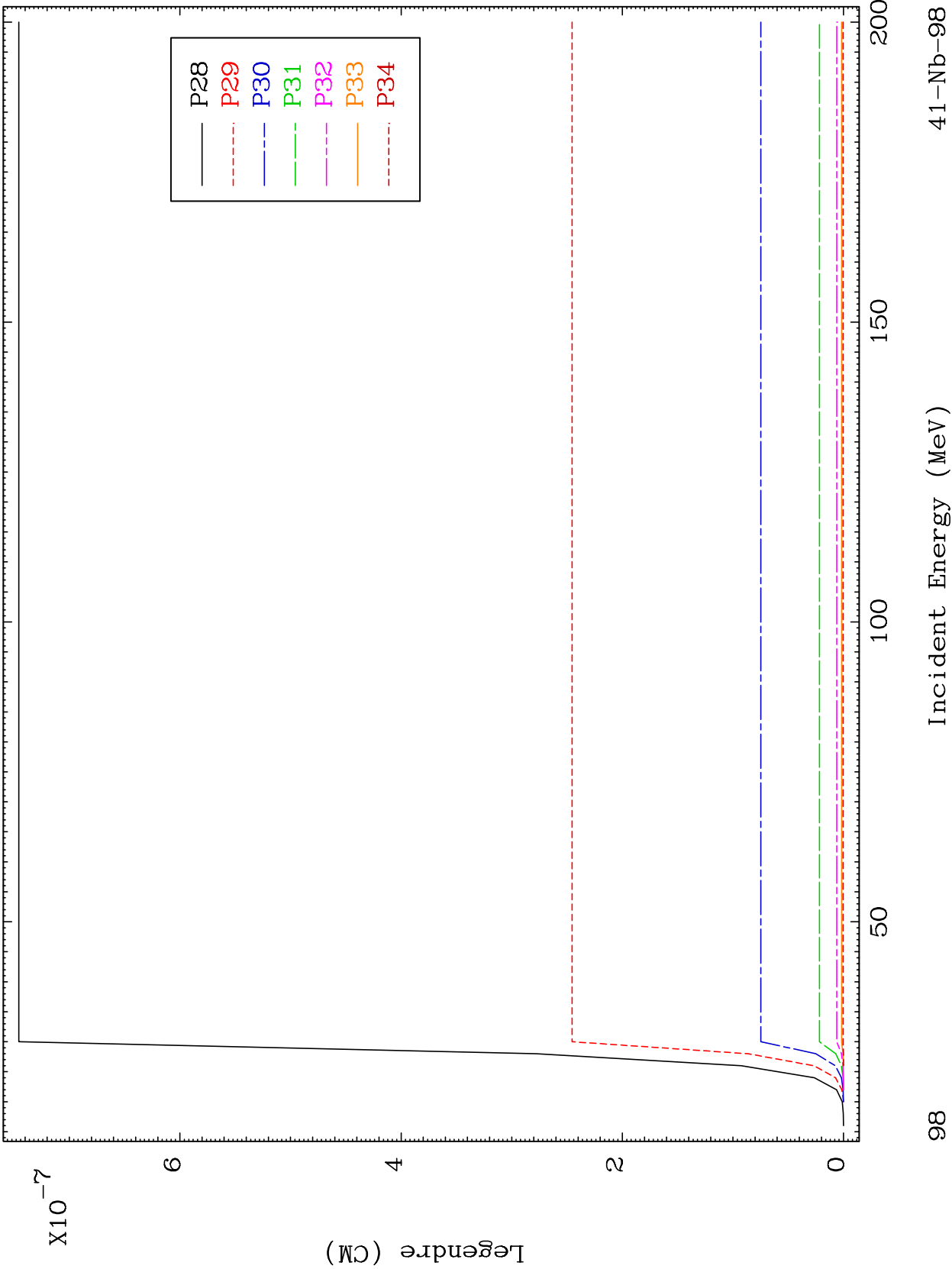
Incident Energy (MeV)

41-Nb-98

MAT 4140

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

41-Nb-98



98

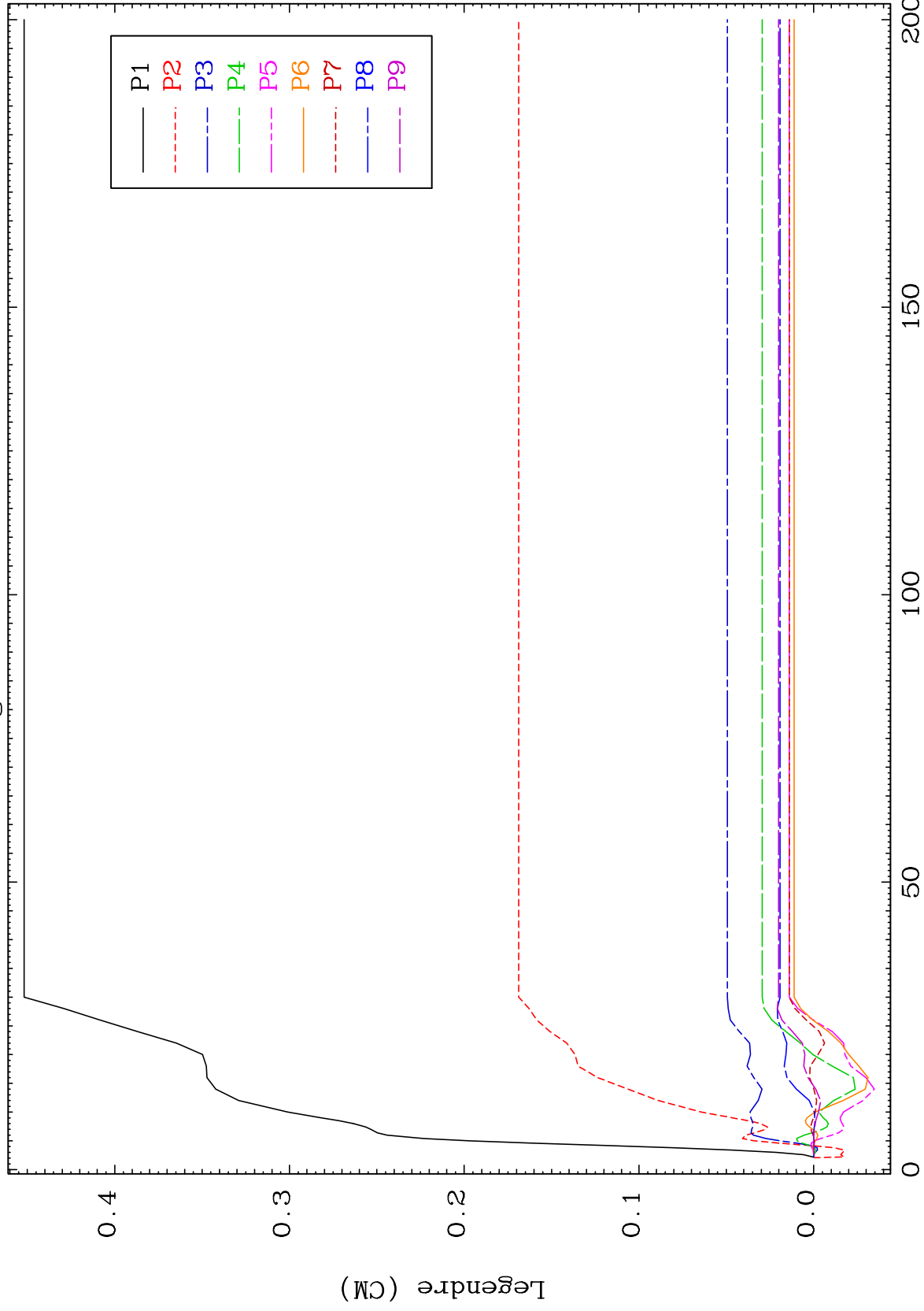
Incident Energy (MeV)

41-Nb-98

MAT 4140

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

41-Nb-98



99

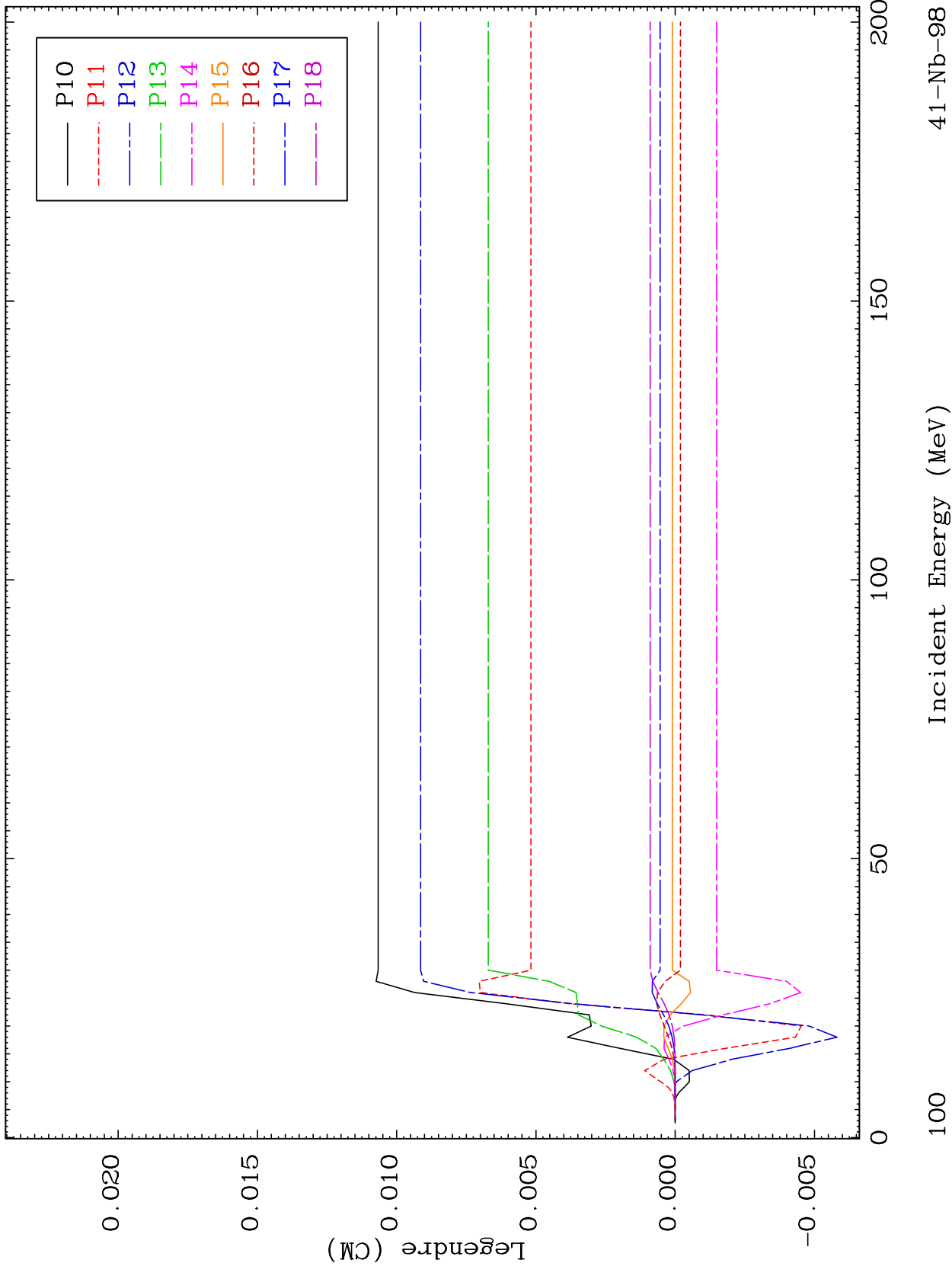
Incident Energy (MeV)

41-Nb-98

MAT 4140

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

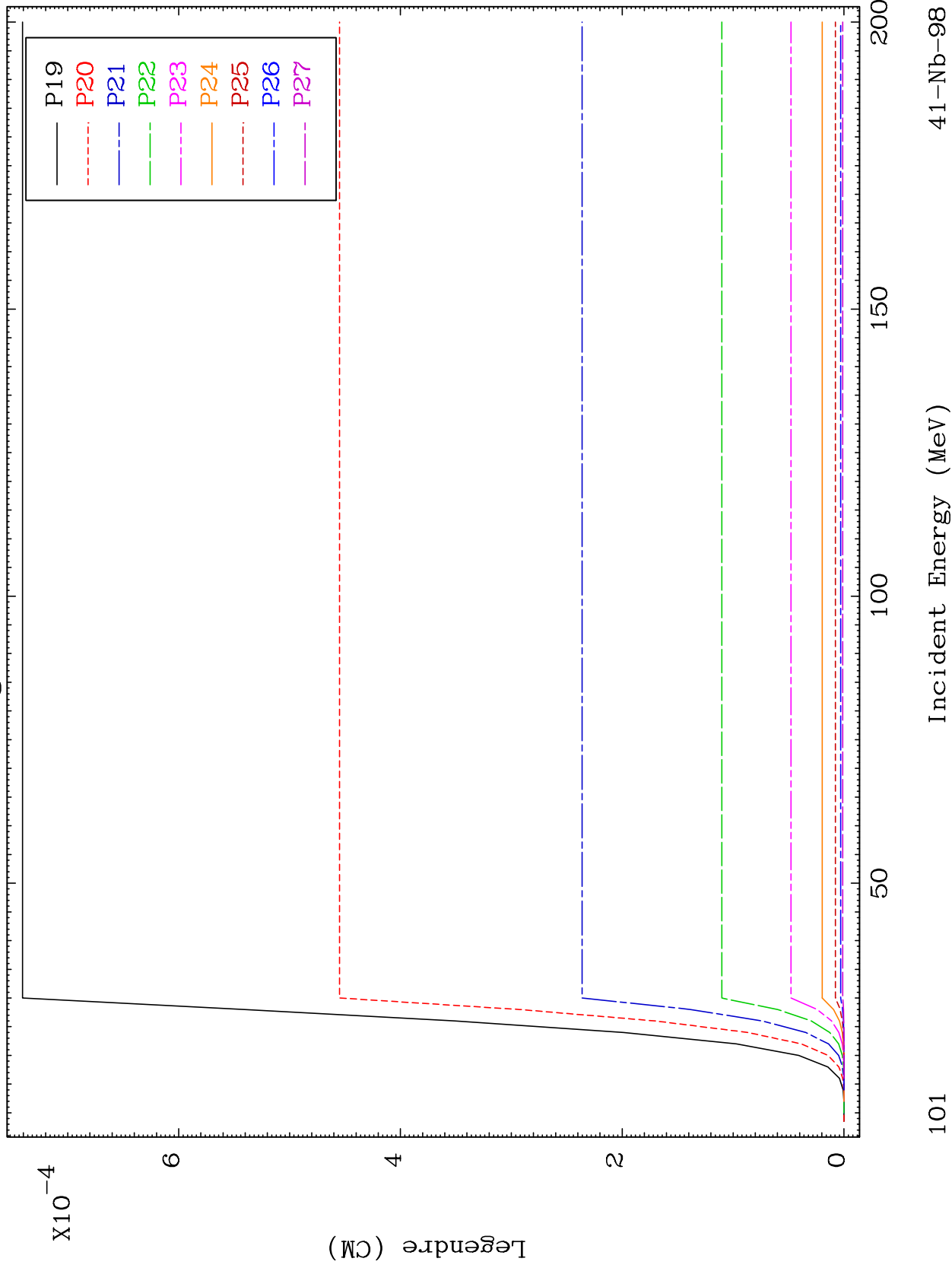
41-Nb-98



MAT 4140

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

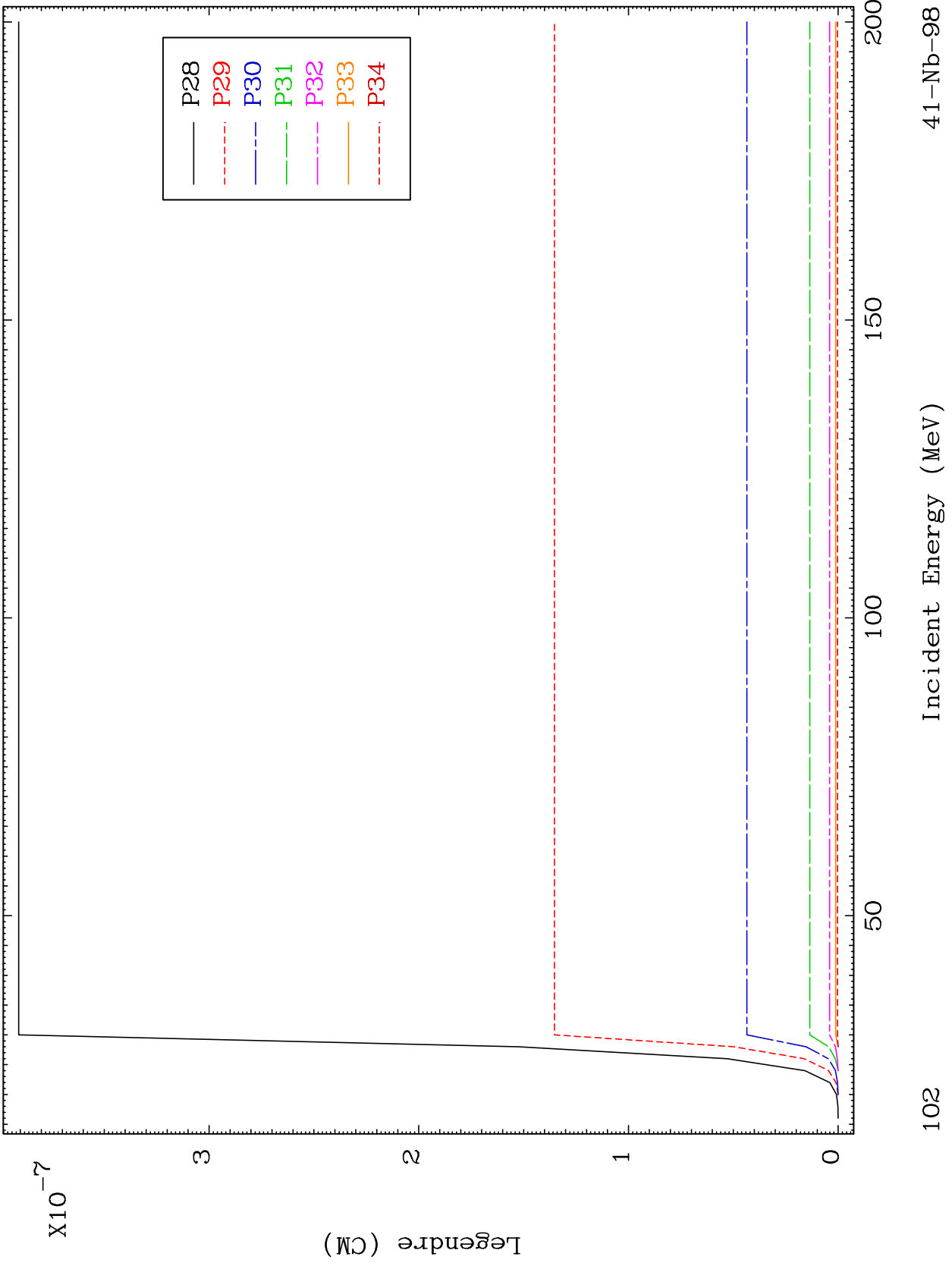
41-Nb-98

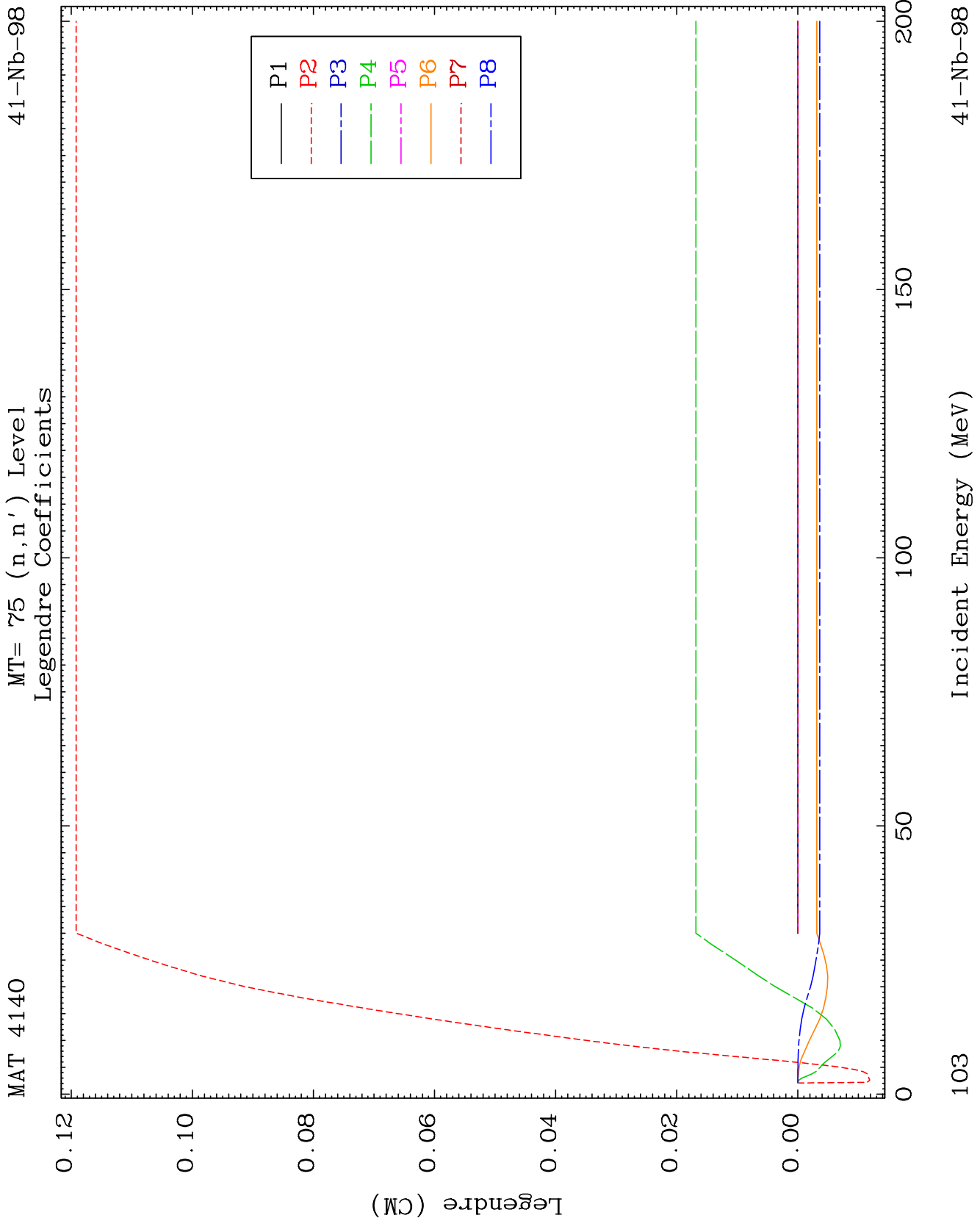


MAT 4140

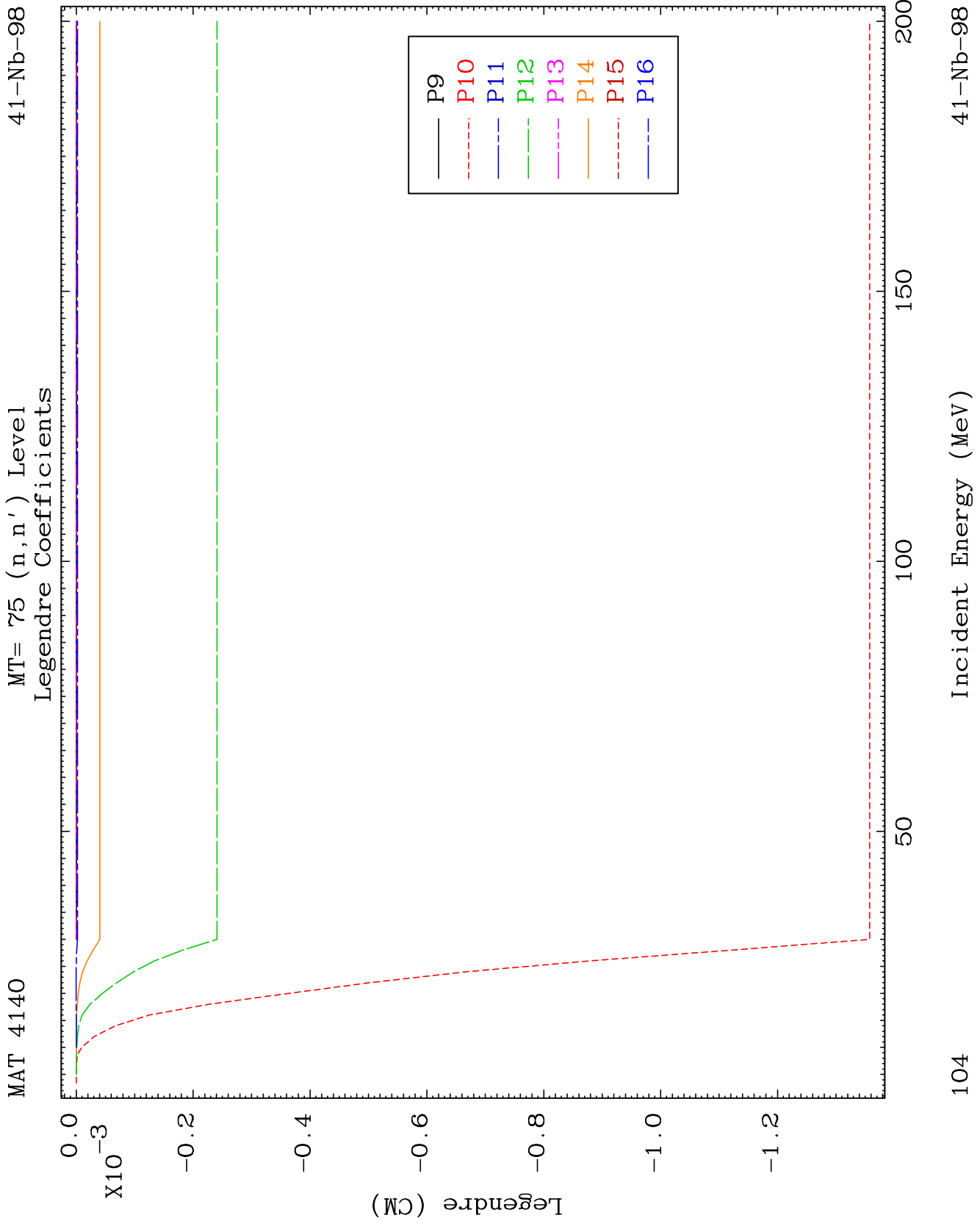
MT= 74 (n,n') Level  
Legendre Coefficients

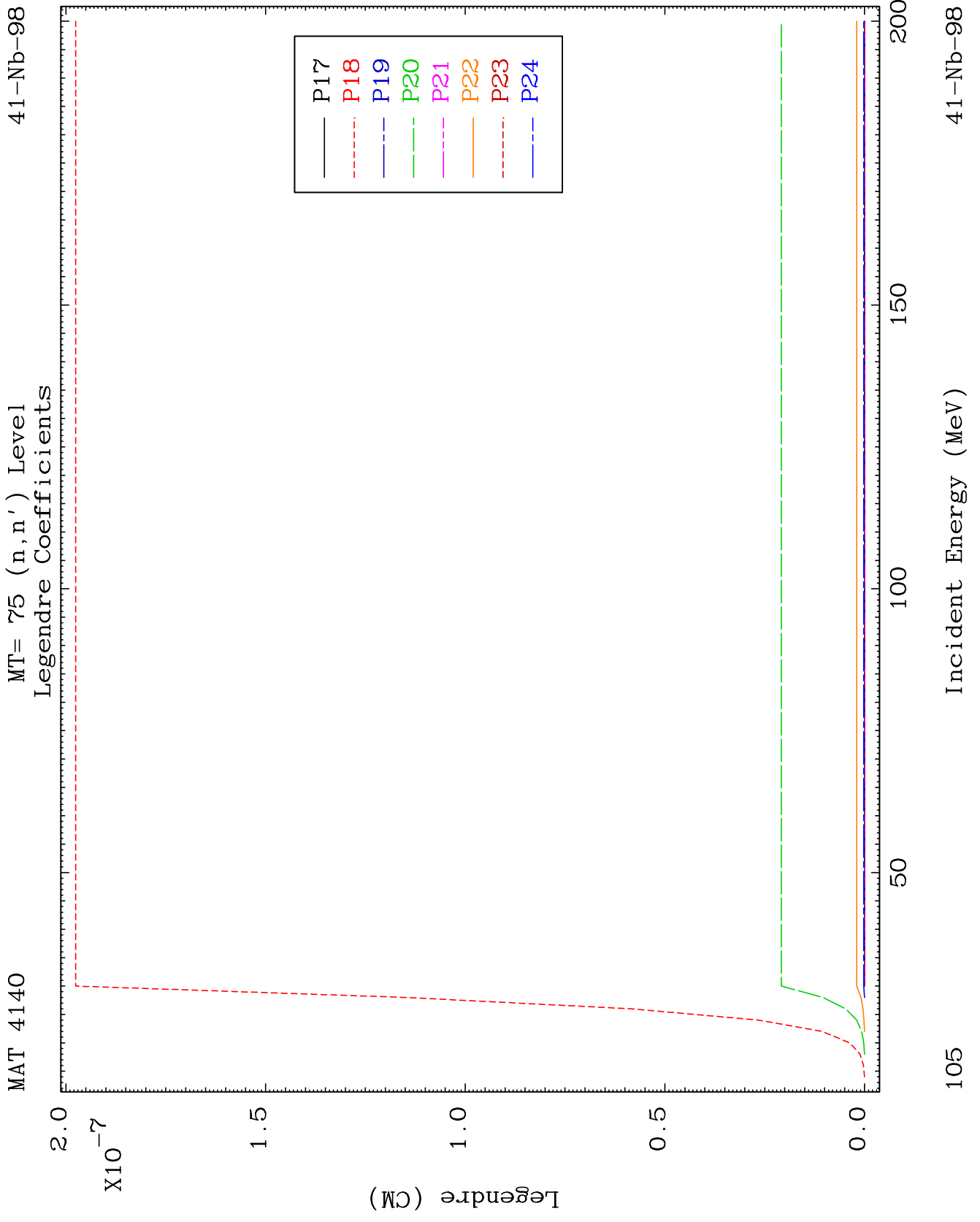
41-Nb-98







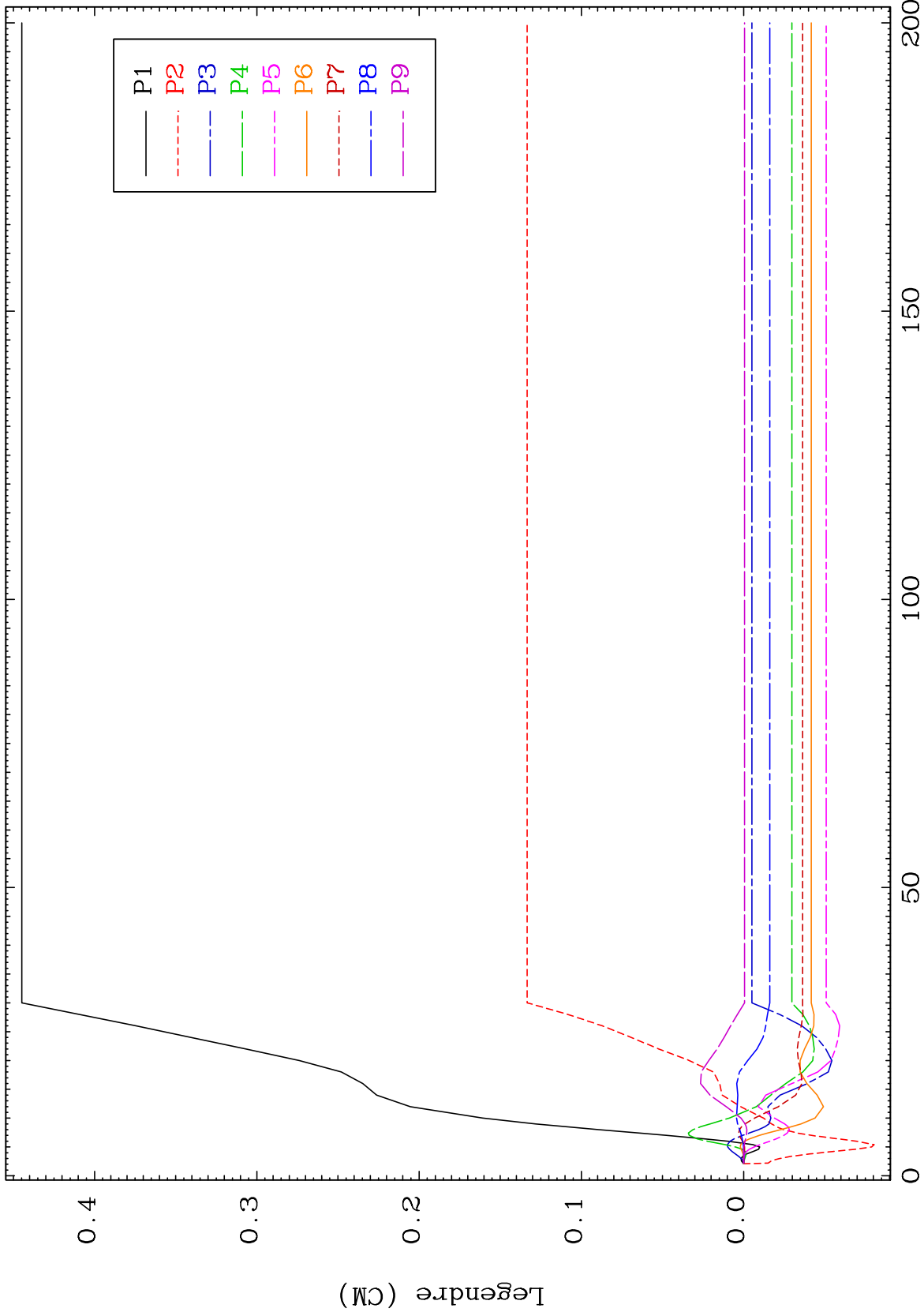




MAT 4140

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

41-Nb-98



41-Nb-98

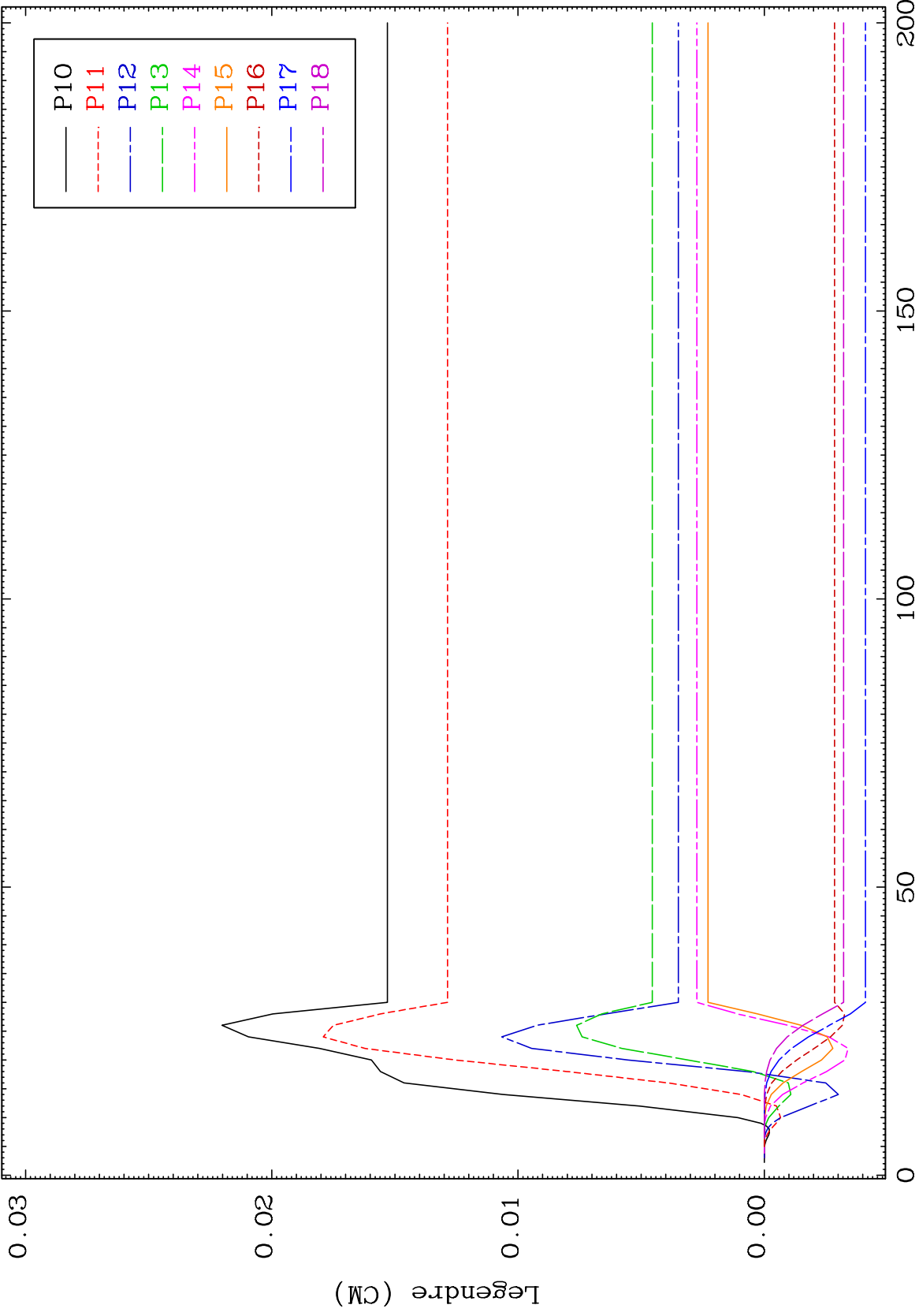
Incident Energy (MeV)

106

MAT 4140

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

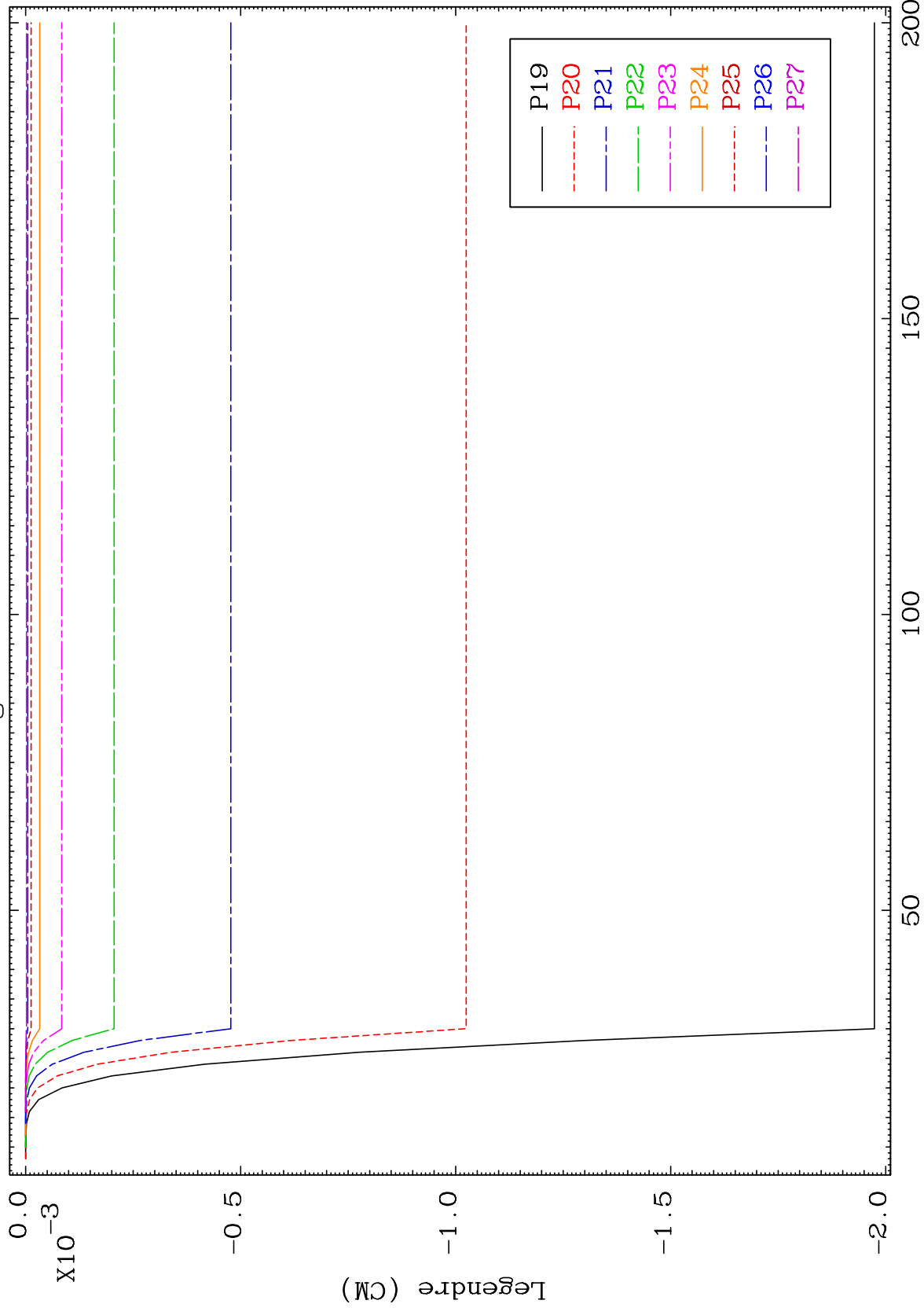
41-Nb-98

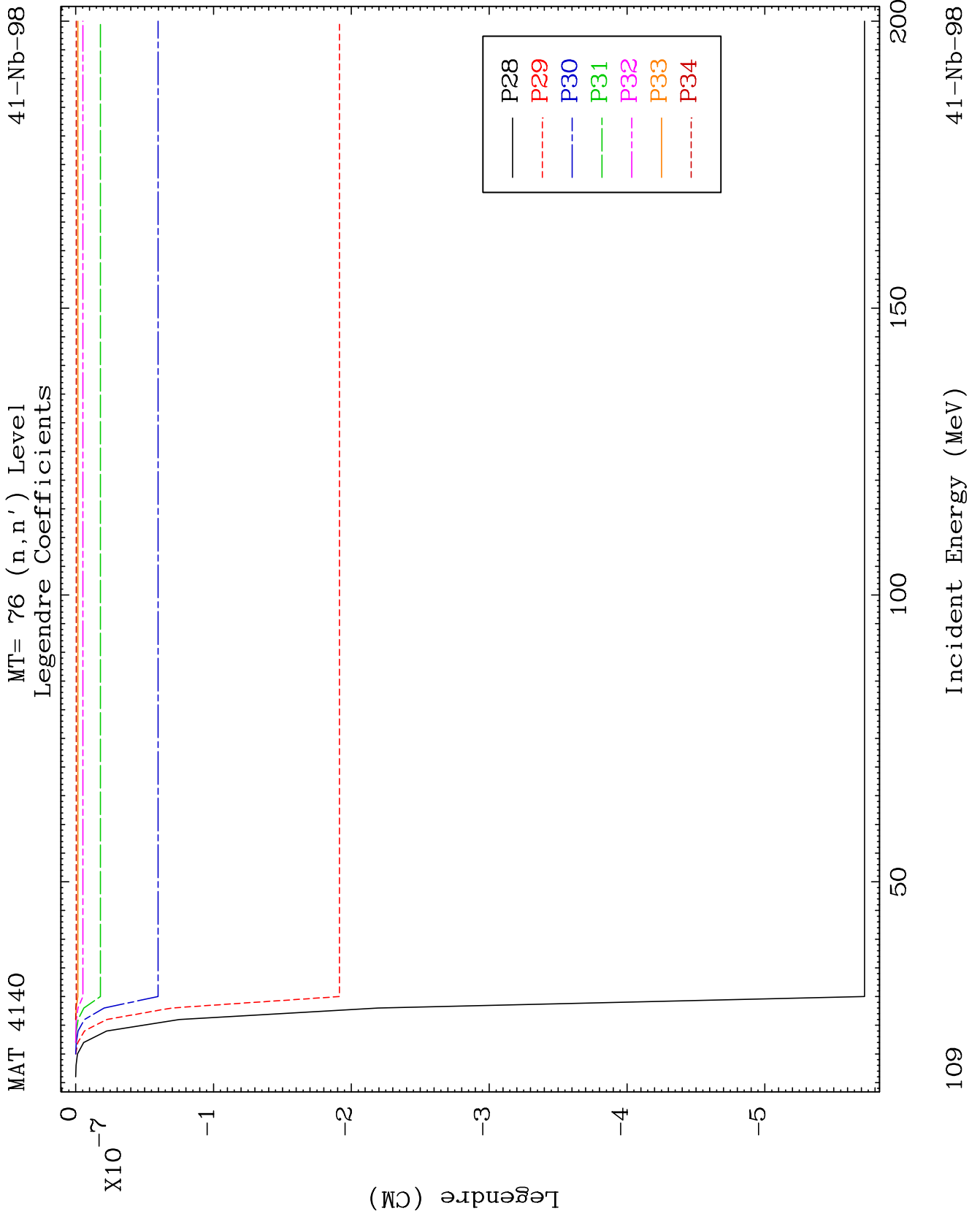


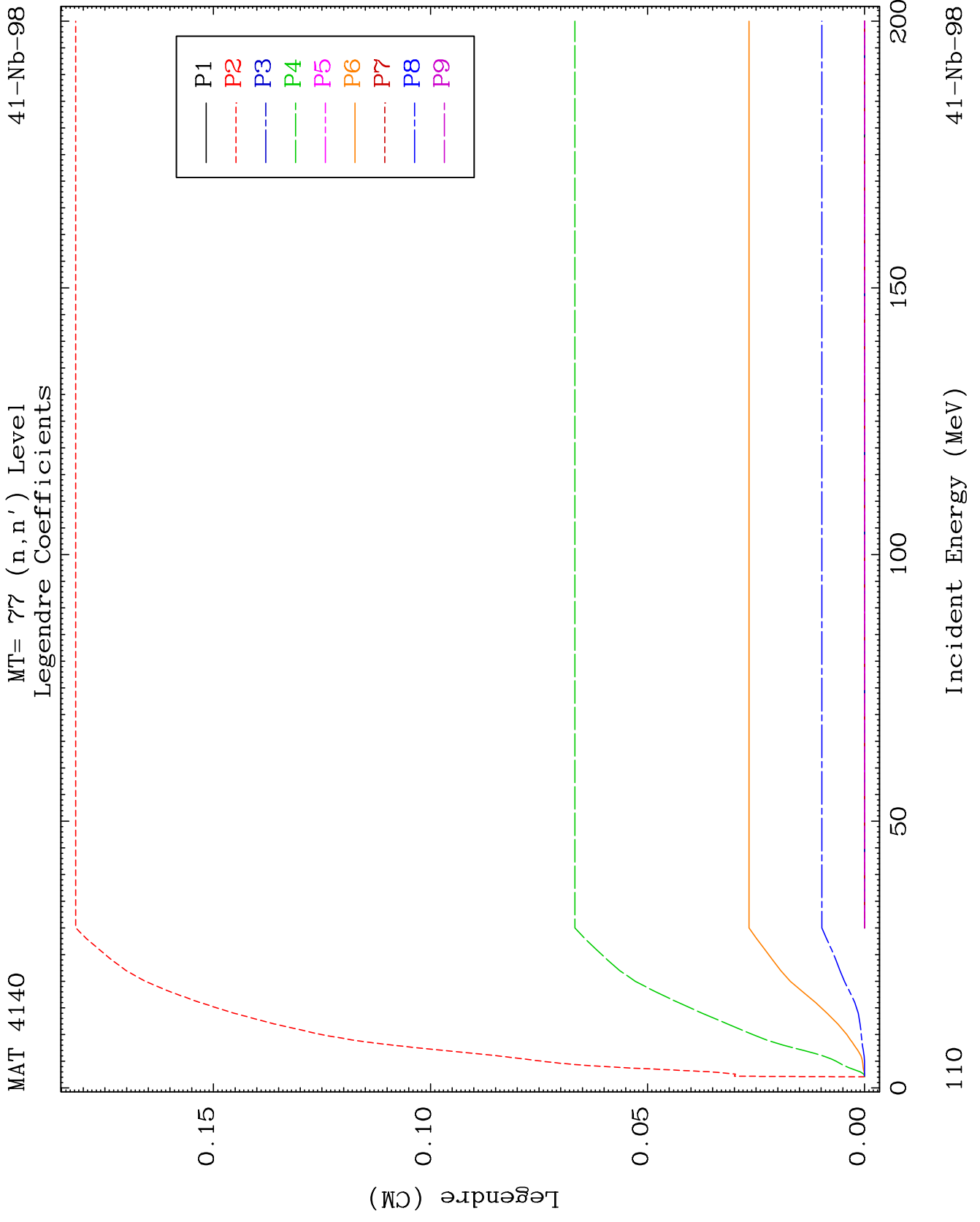
107

Incident Energy (MeV)

41-Nb-98



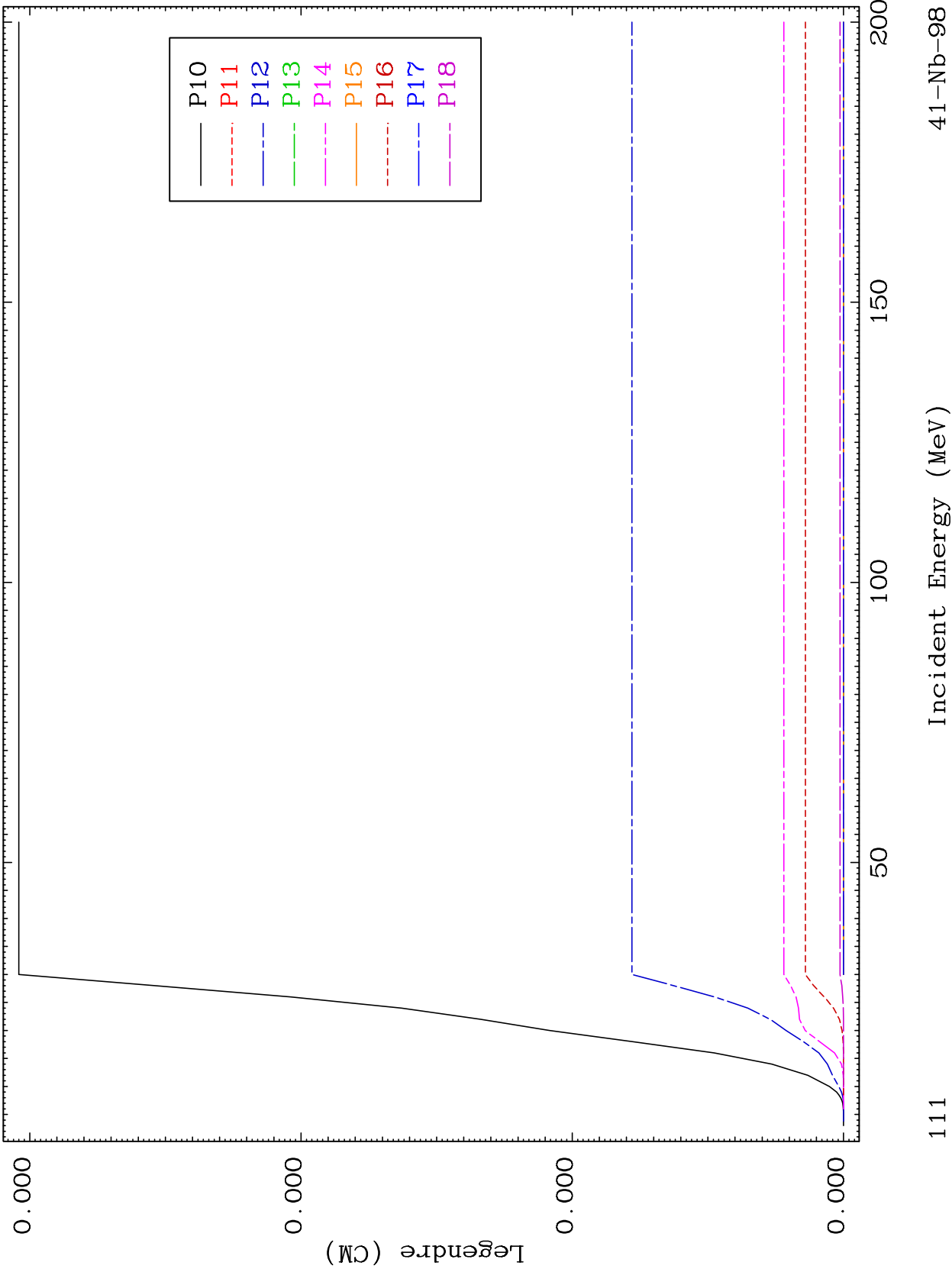




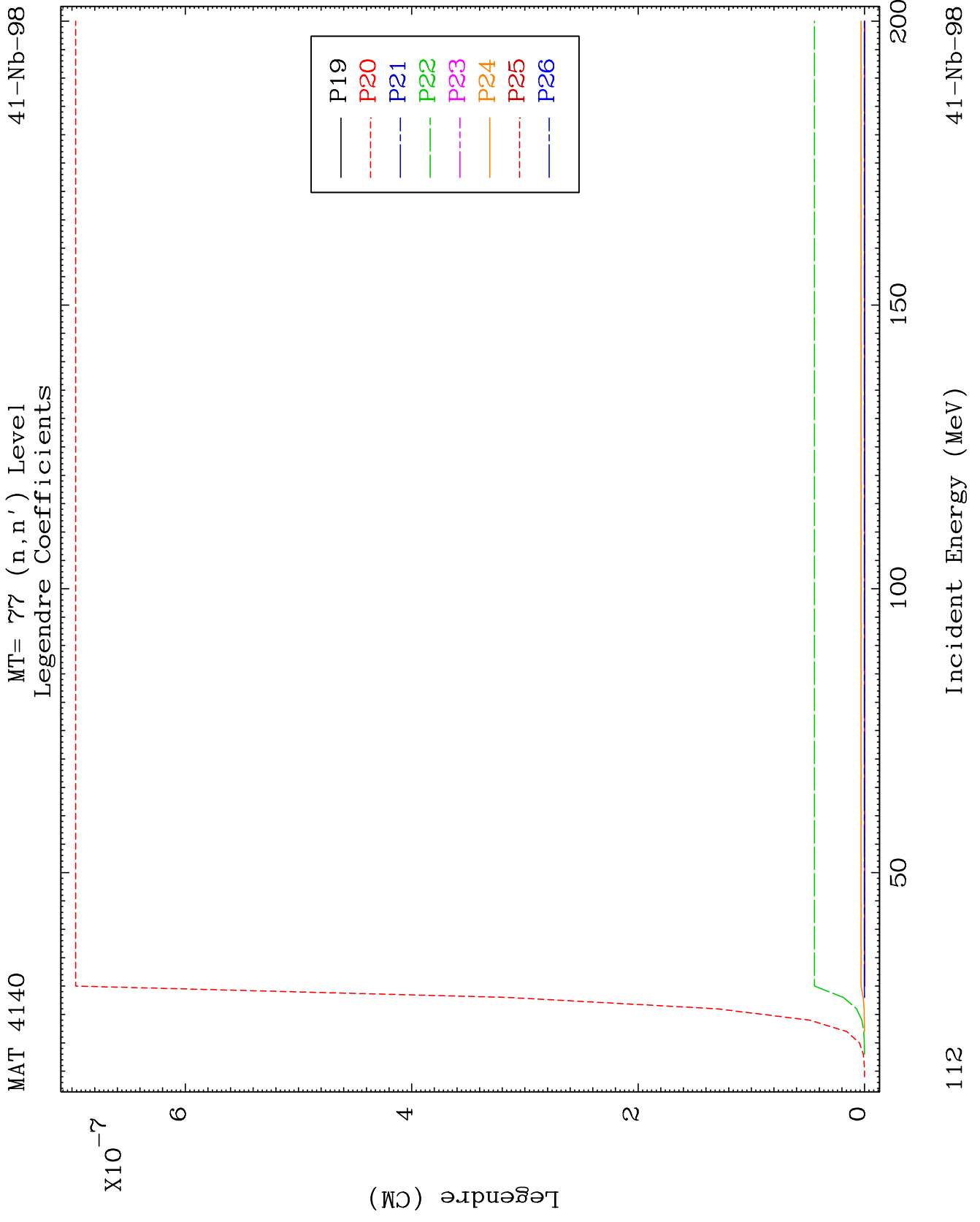
MAT 4140

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

41-Nb-98



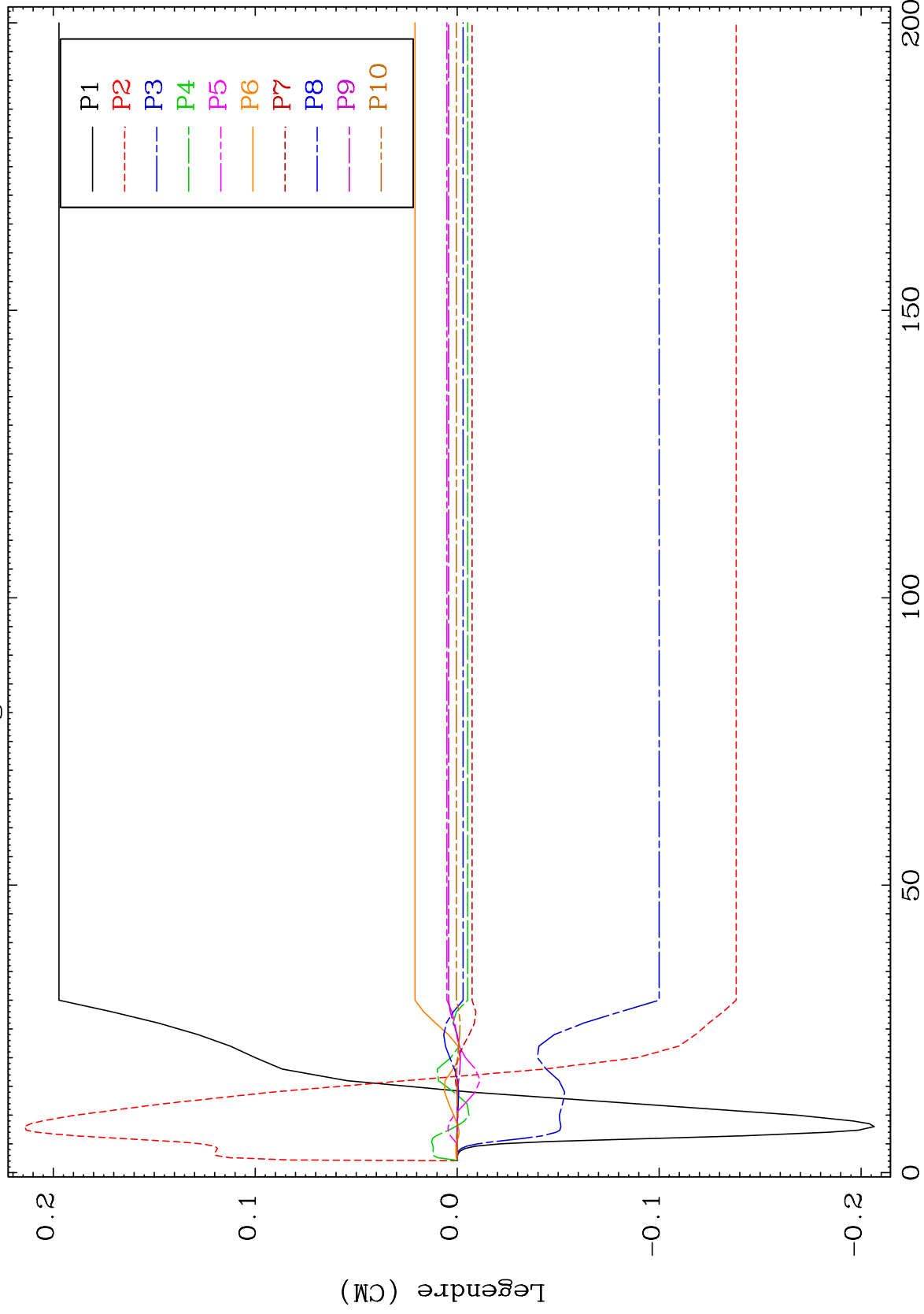




MAT 4140

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

41-Nb-98



113

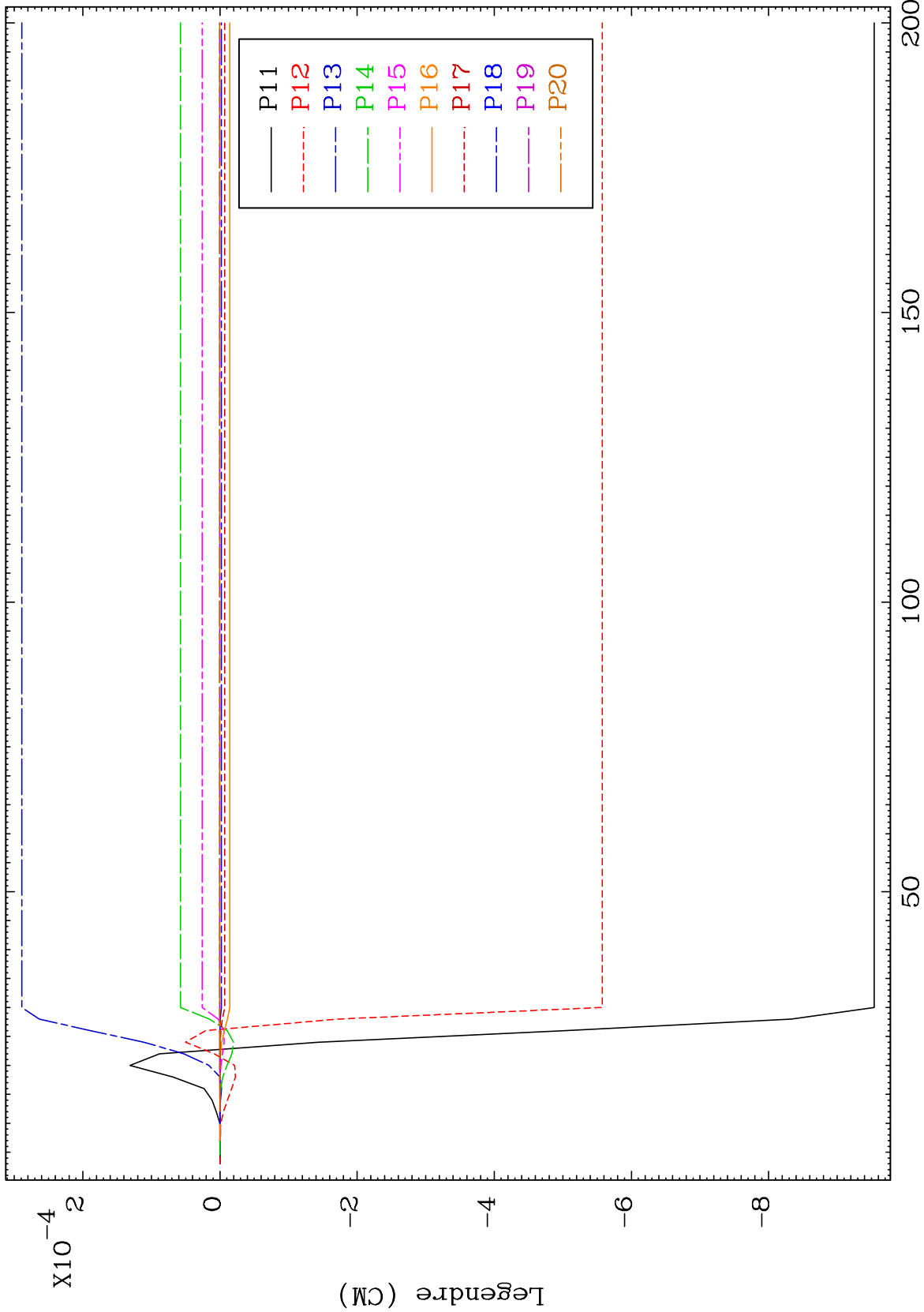
Incident Energy (MeV)

41-Nb-98

MAT 4140

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

41-Nb-98



114

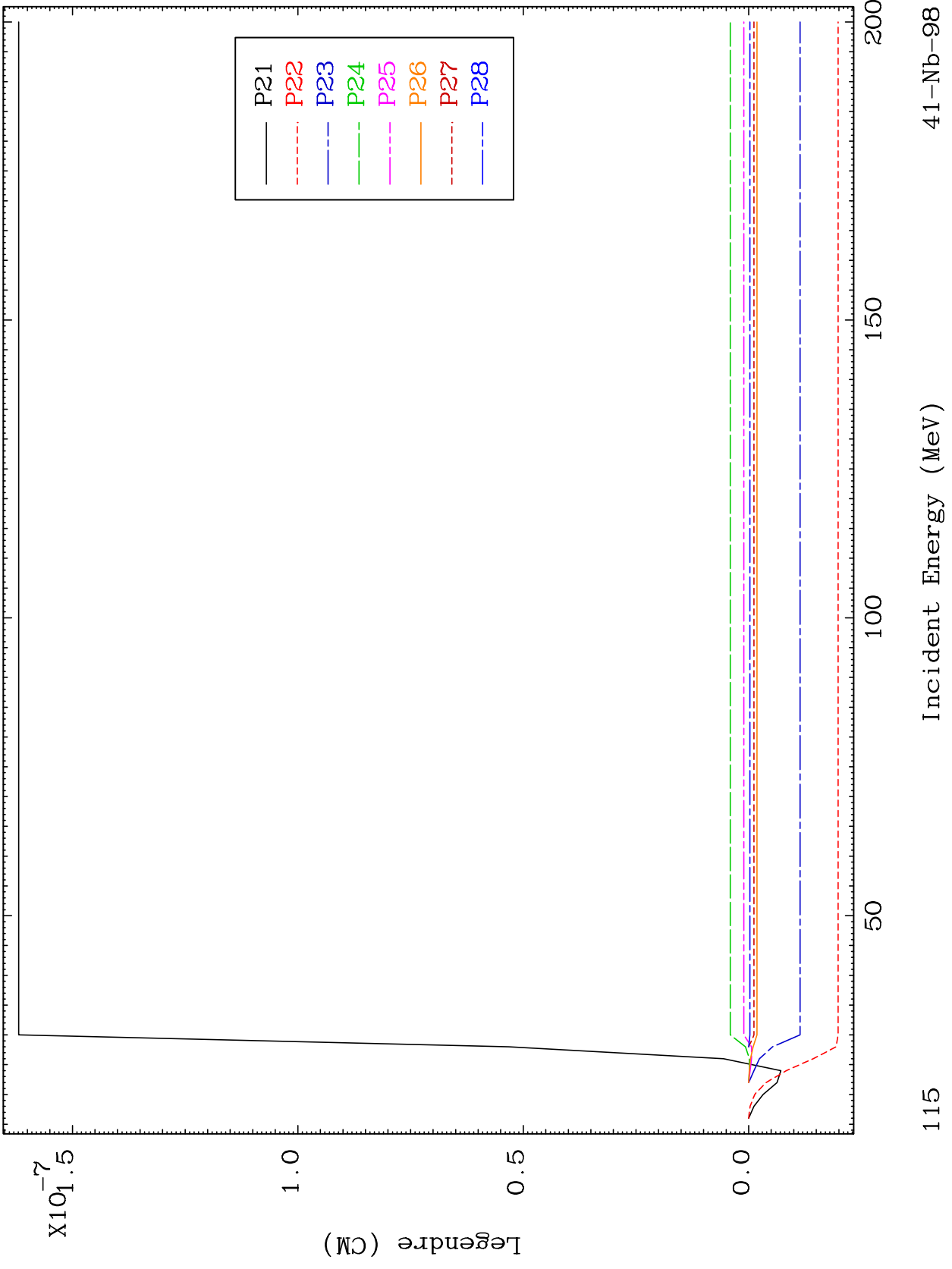
Incident Energy (MeV)

41-Nb-98

MAT 4140

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

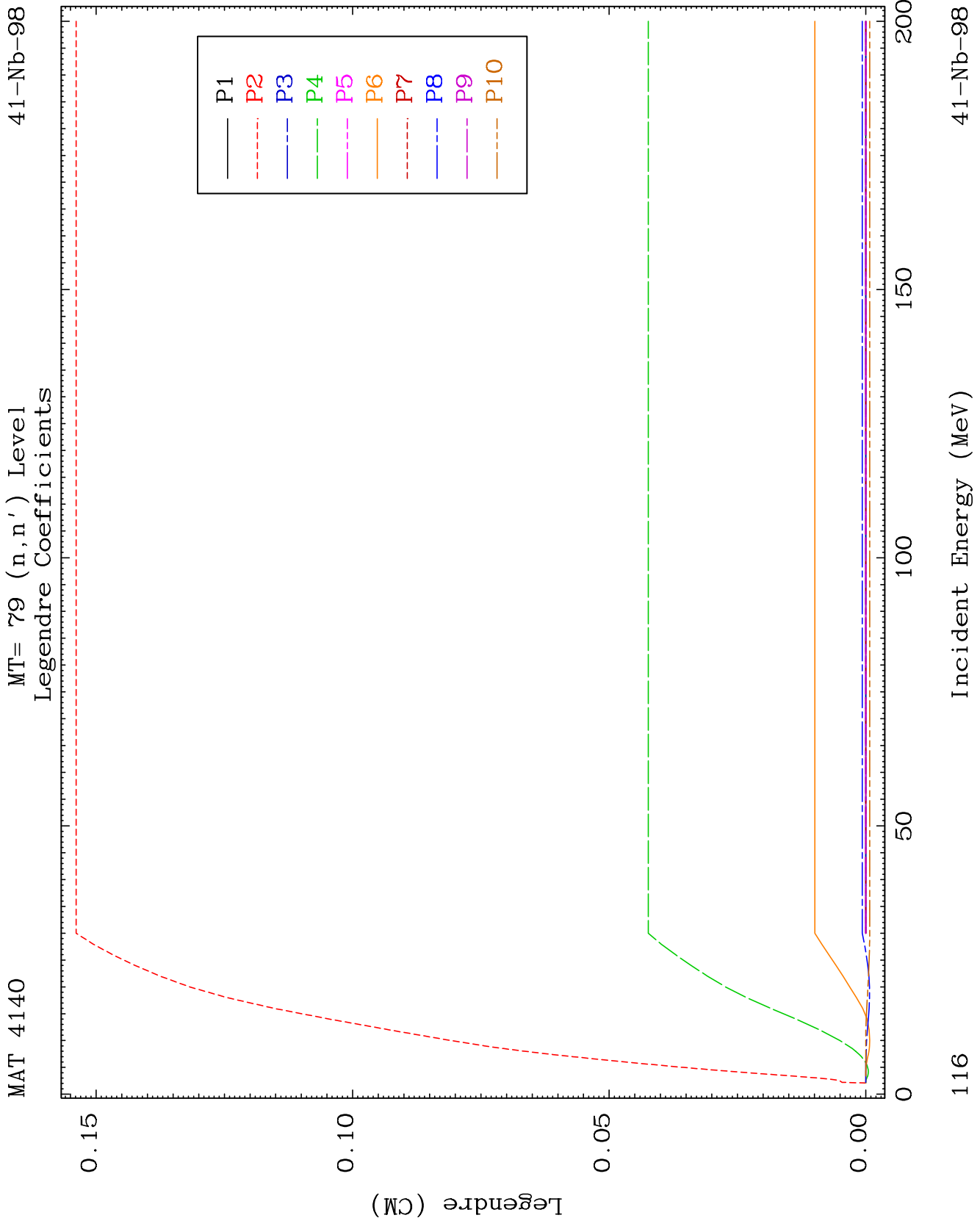
41-Nb-98

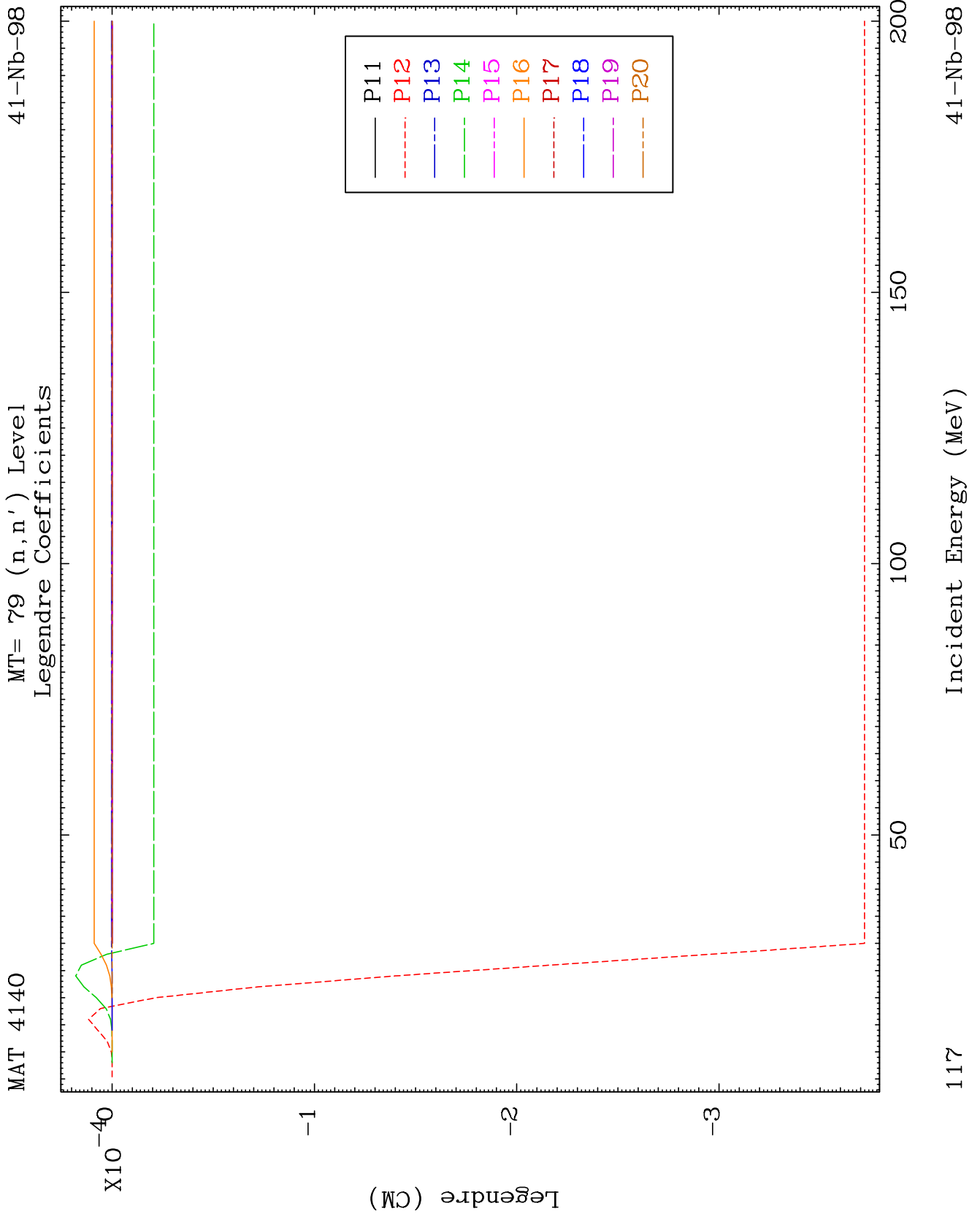


115

Incident Energy (MeV)

41-Nb-98

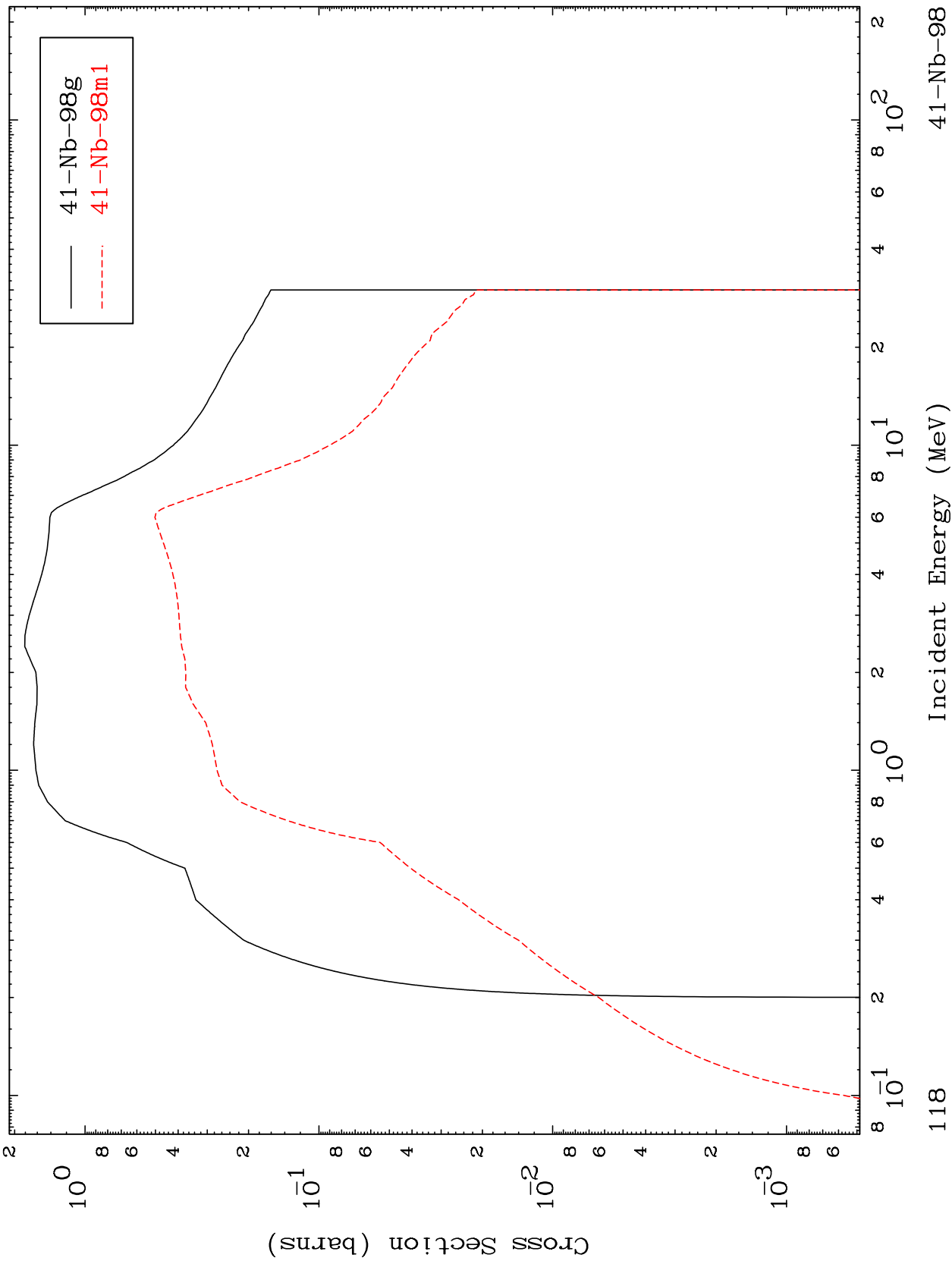




MAT 4140

41-Nb-98

Inelastic  
Radionuclide Production Cross Section



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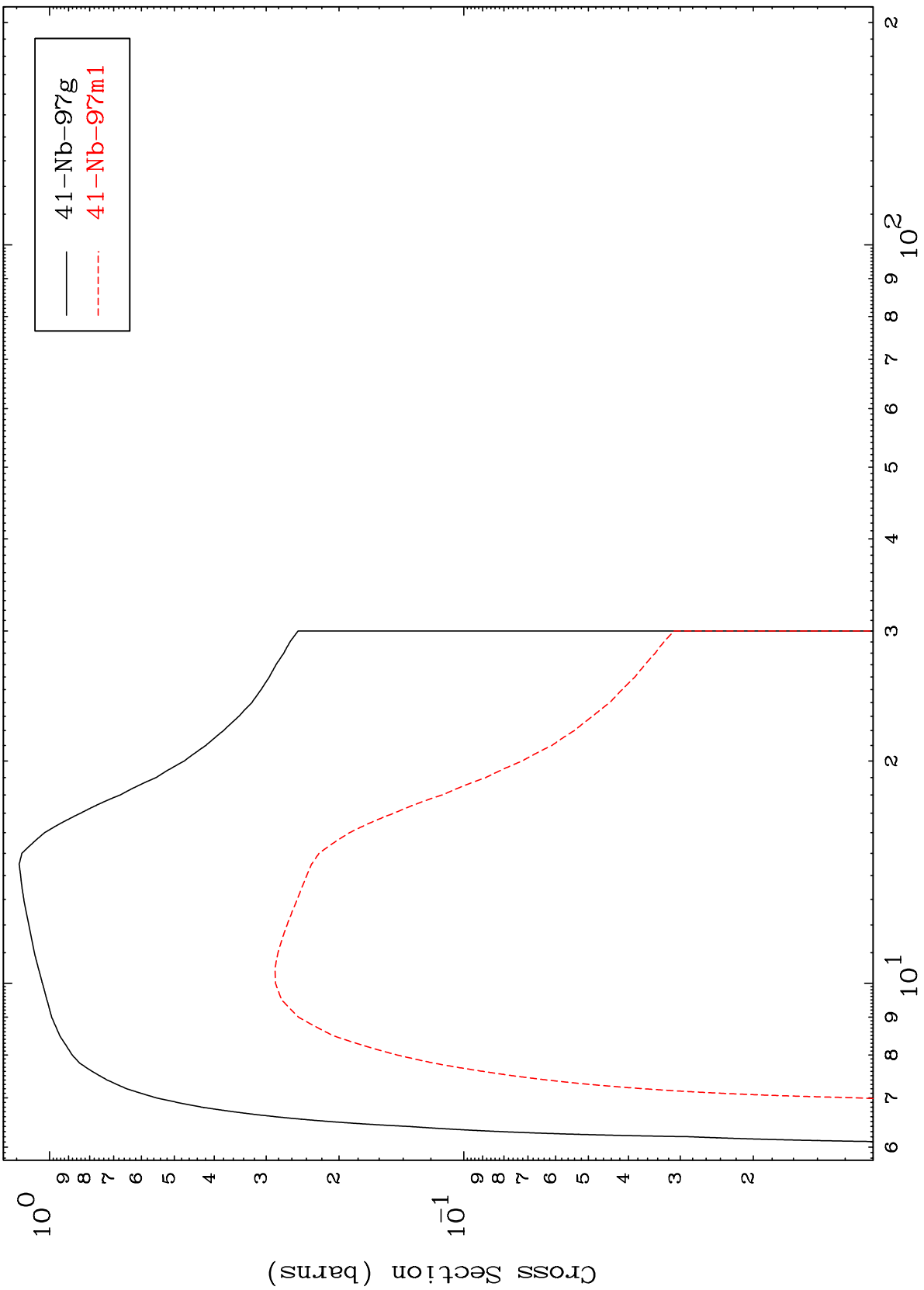
Incident Energy (MeV)

41-Nb-98

MAT 4140

41-Nb-98

(n,2n)  
Radionuclide Production Cross Section



41-Nb-97g  
41-Nb-97m1

119

Incident Energy (MeV)

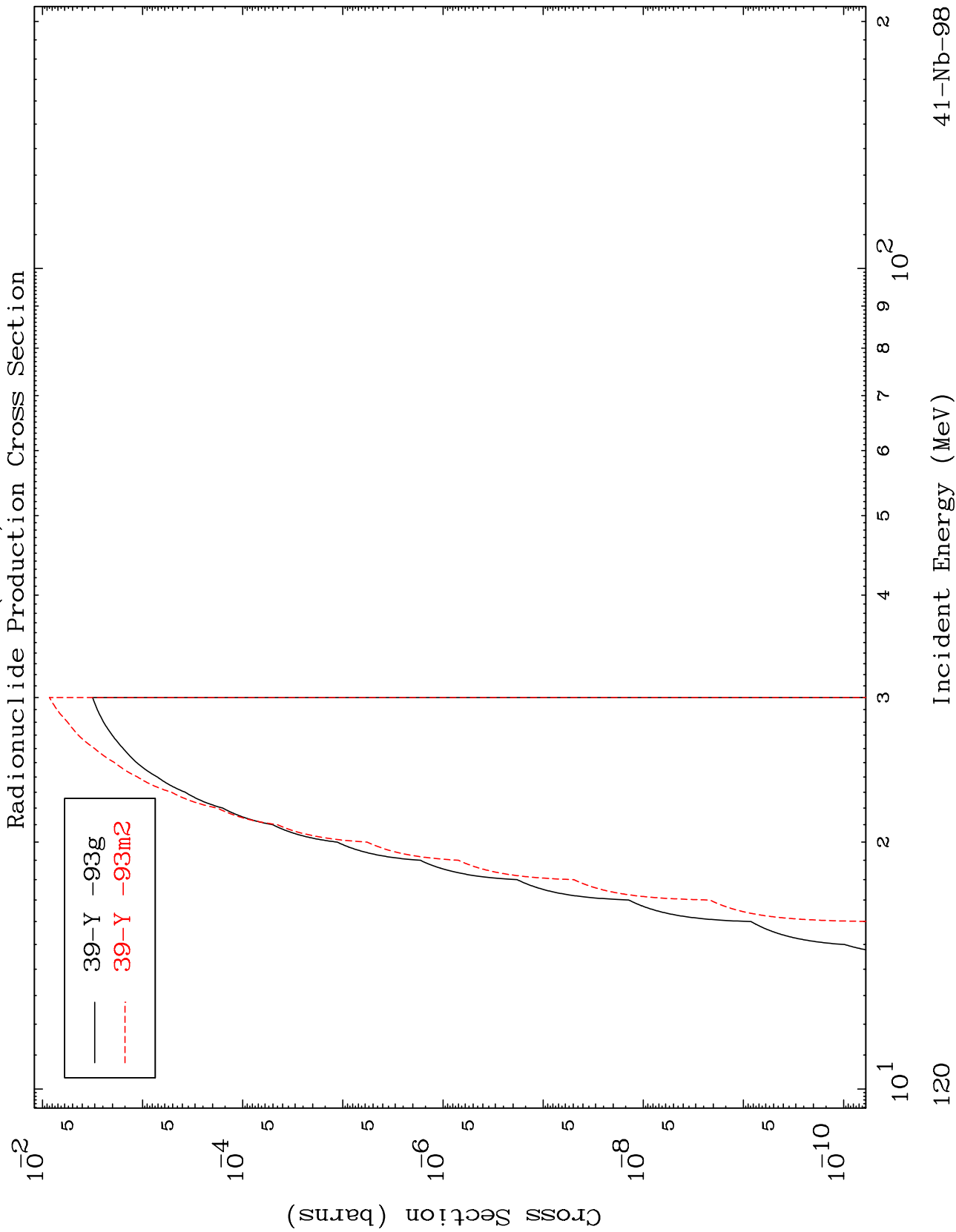
41-Nb-98



MAT 4140

(n,2n)  $\alpha$

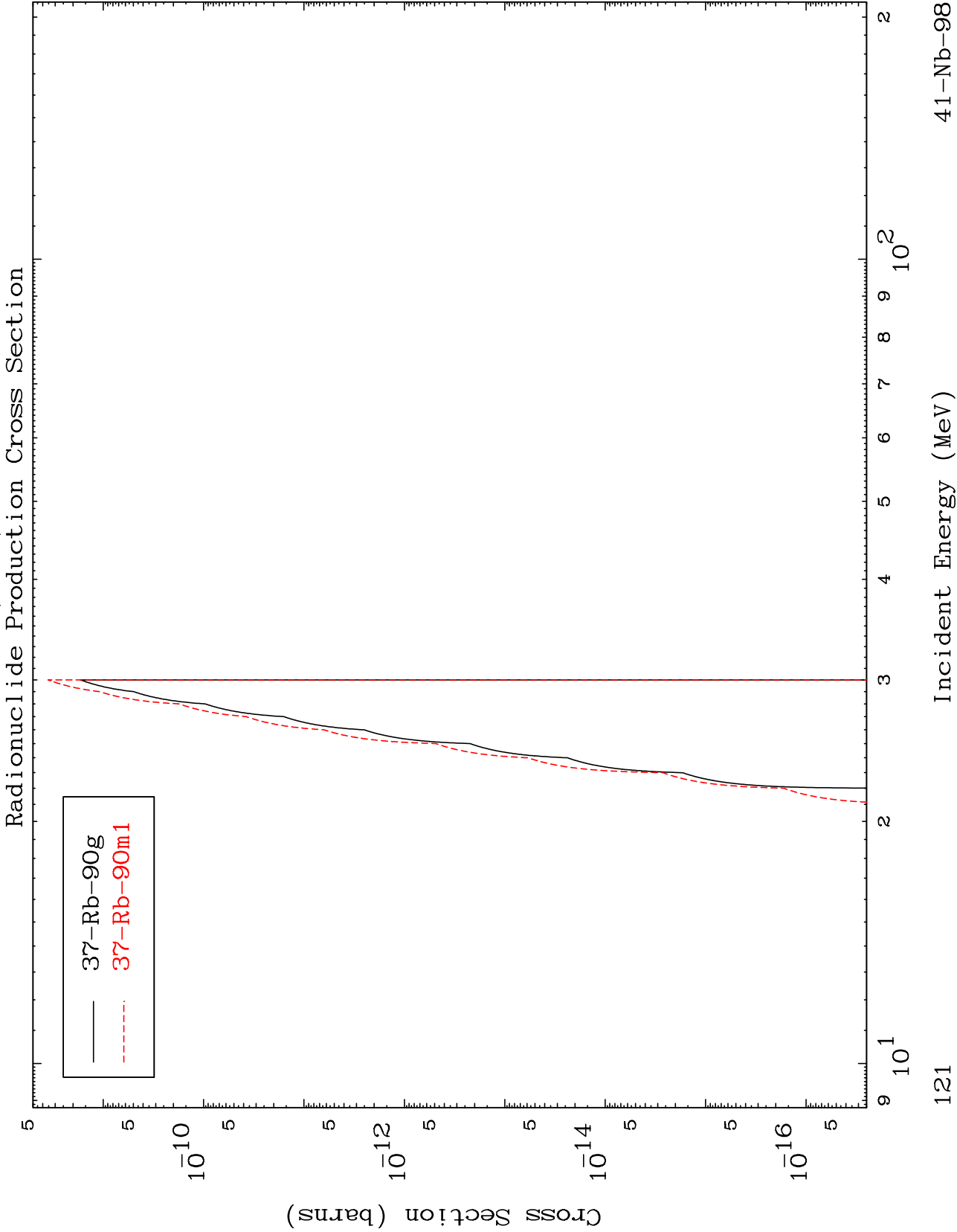
41-Nb-98



MAT 4140

(n,n') 2α

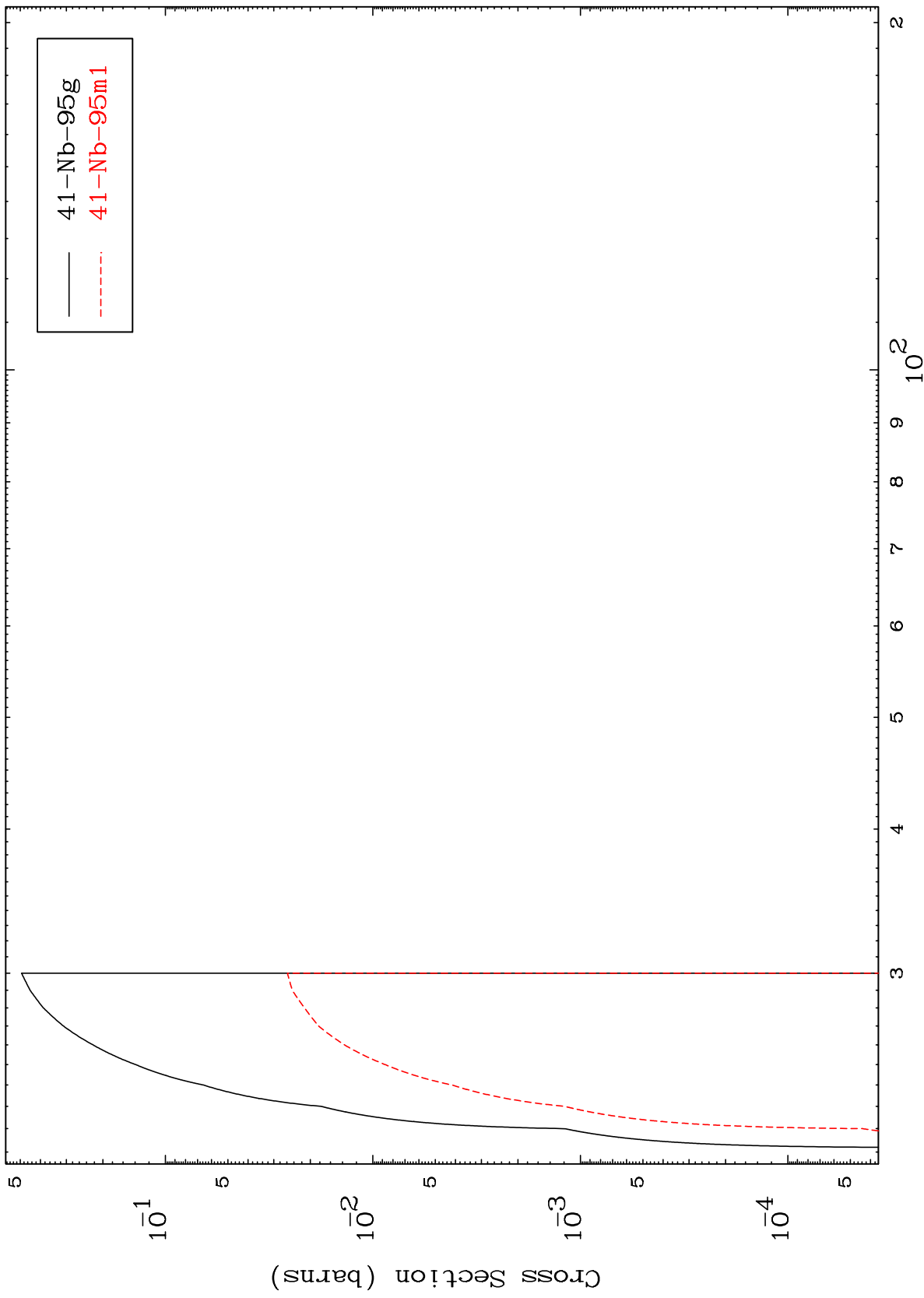
41-Nb-98



MAT 4140

41-Nb-98

(n,4n)  
Radionuclide Production Cross Section



122

41-Nb-98

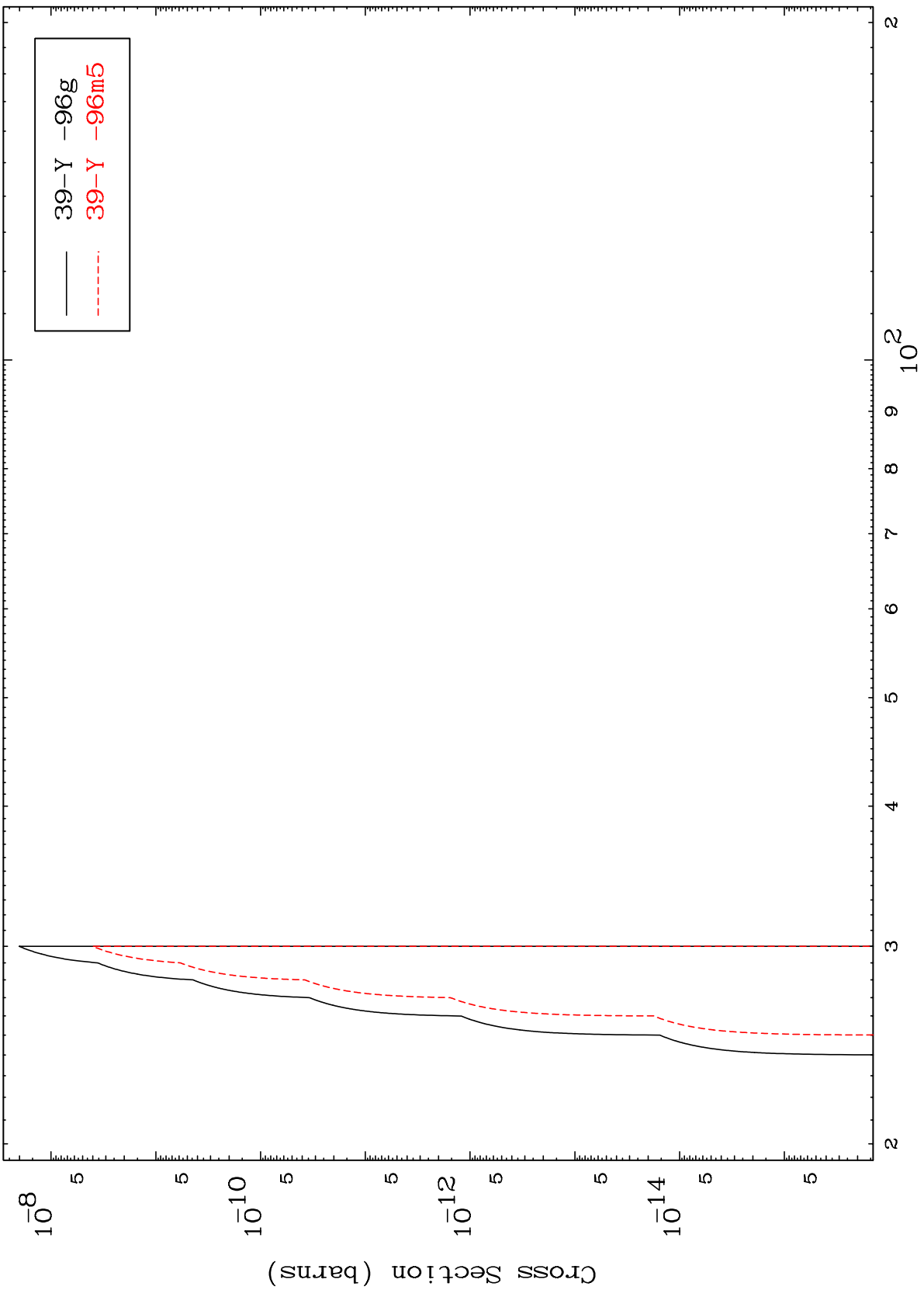
Incident Energy (MeV)

MAT 4140

(n,2n) p

41-Nb-98

Radionuclide Production Cross Section



123

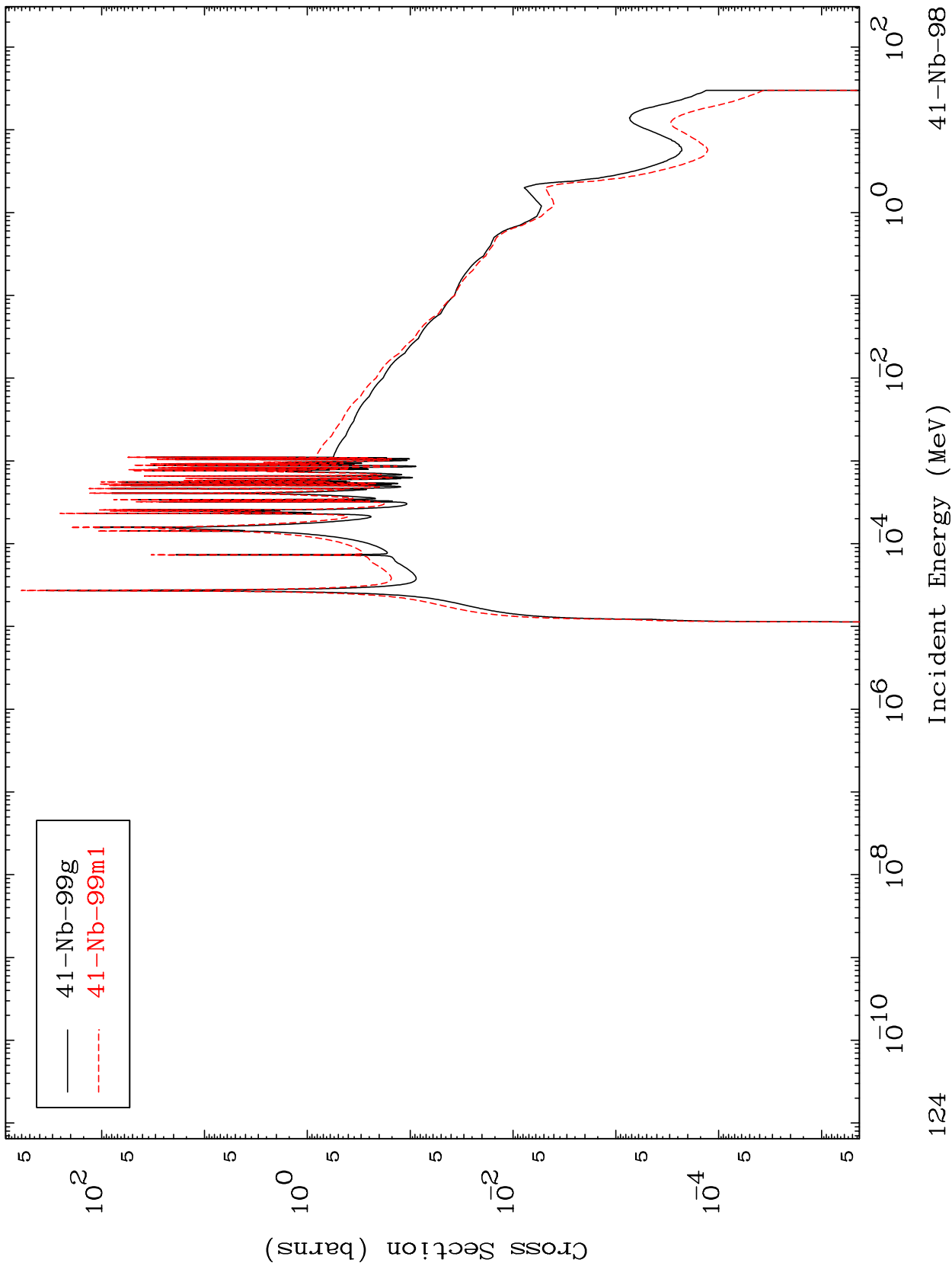
Incident Energy (MeV)

41-Nb-98

MAT 4140

41-Nb-98

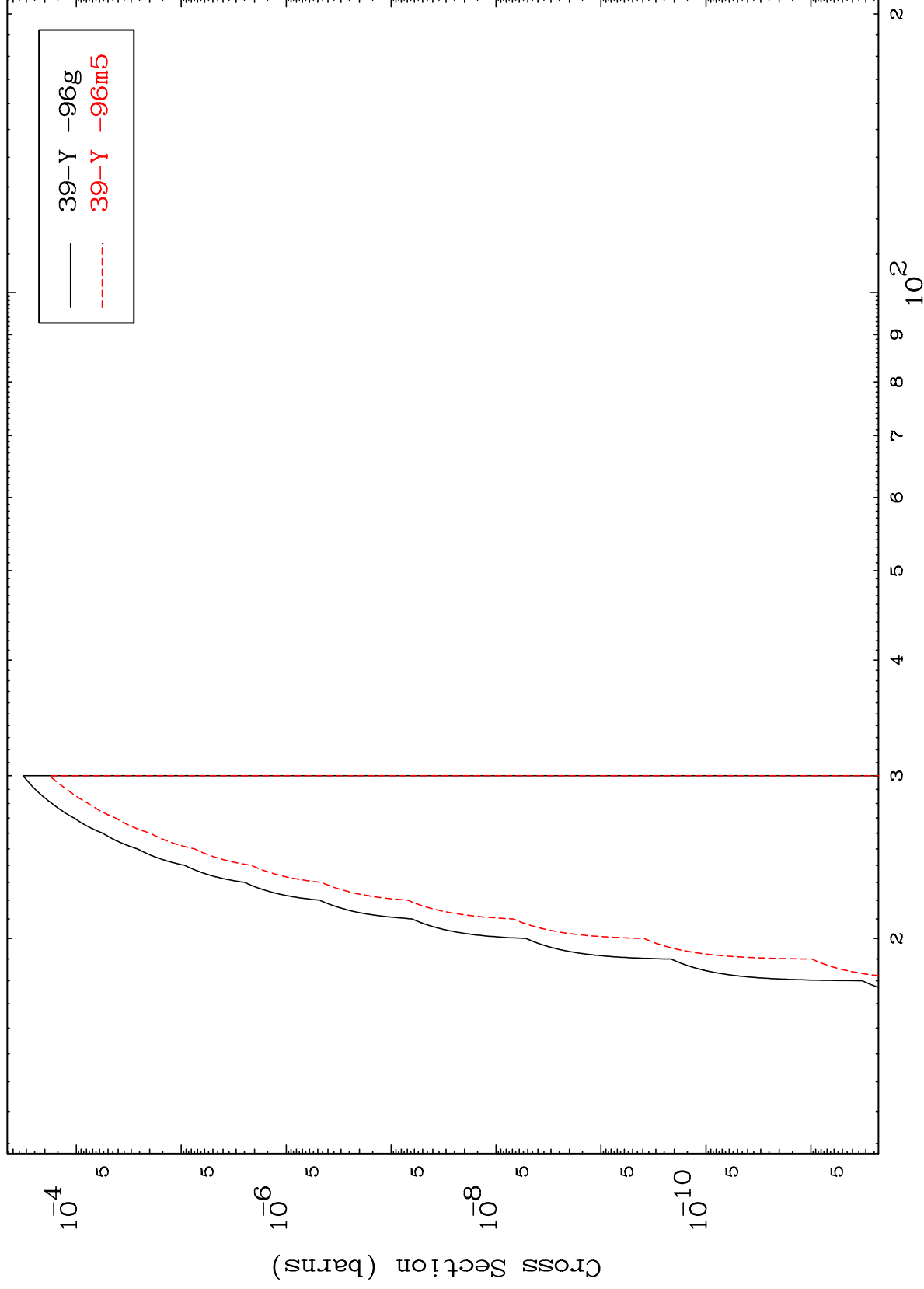
(n,  $\gamma$ )  
Radionuclide Production Cross Section



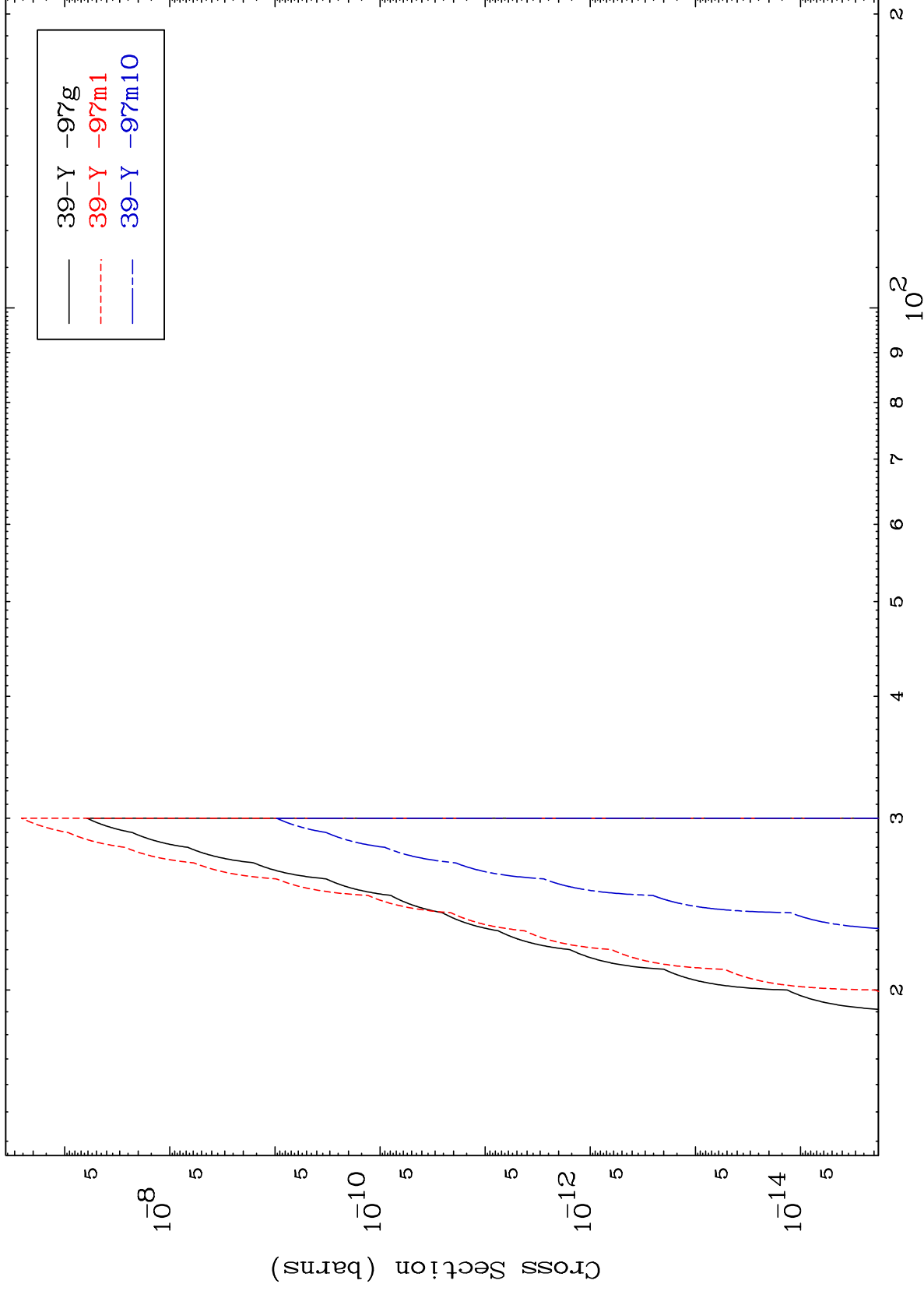
124

41-Nb-98

Radionuclide Production Cross Section



(n,2p)  
Radionuclide Production Cross Section



Radionuclide Production Cross Section

