

Program EVALPLOT
(Version 2018-1)

by

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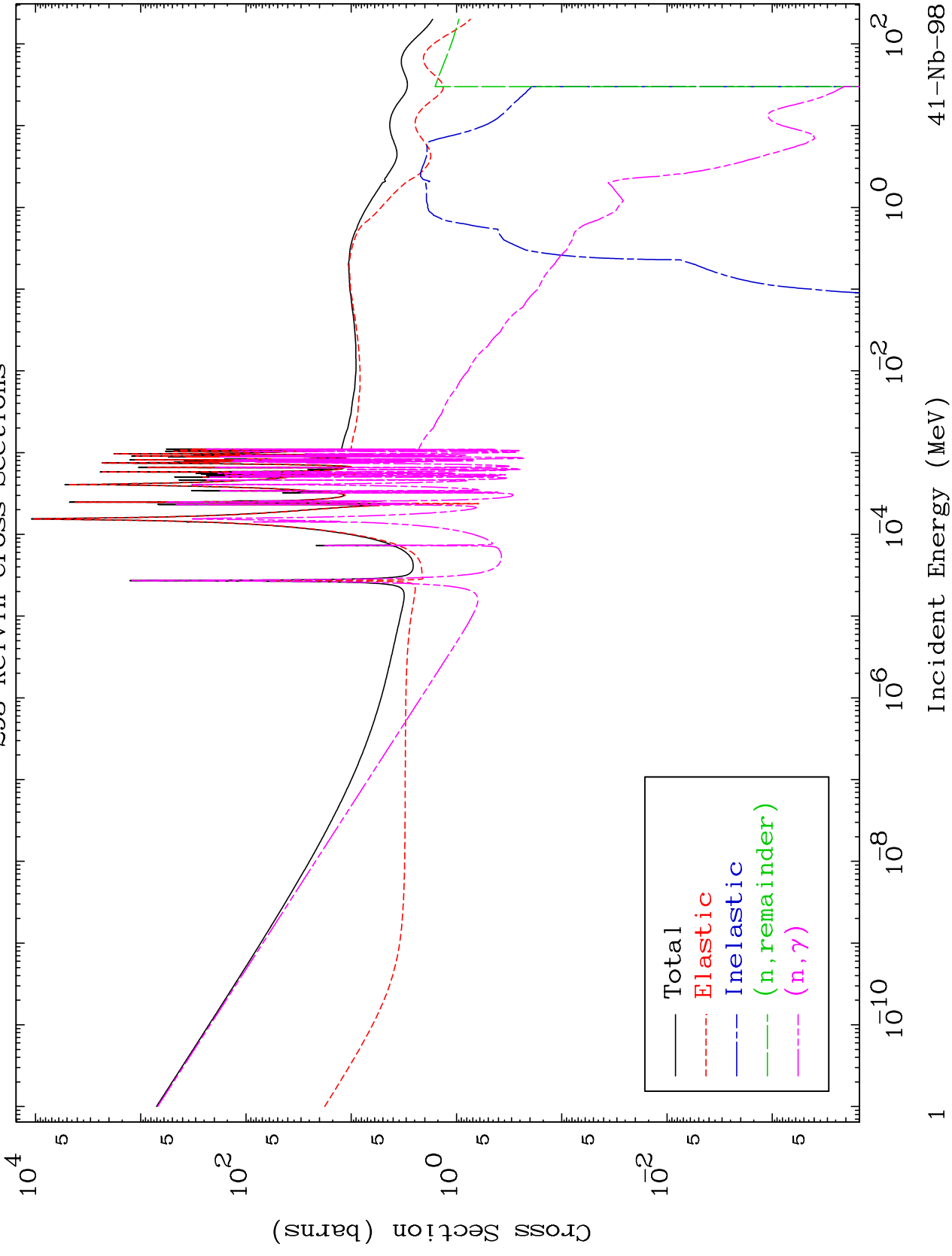
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4140

Major
293 Kelvin Cross Sections

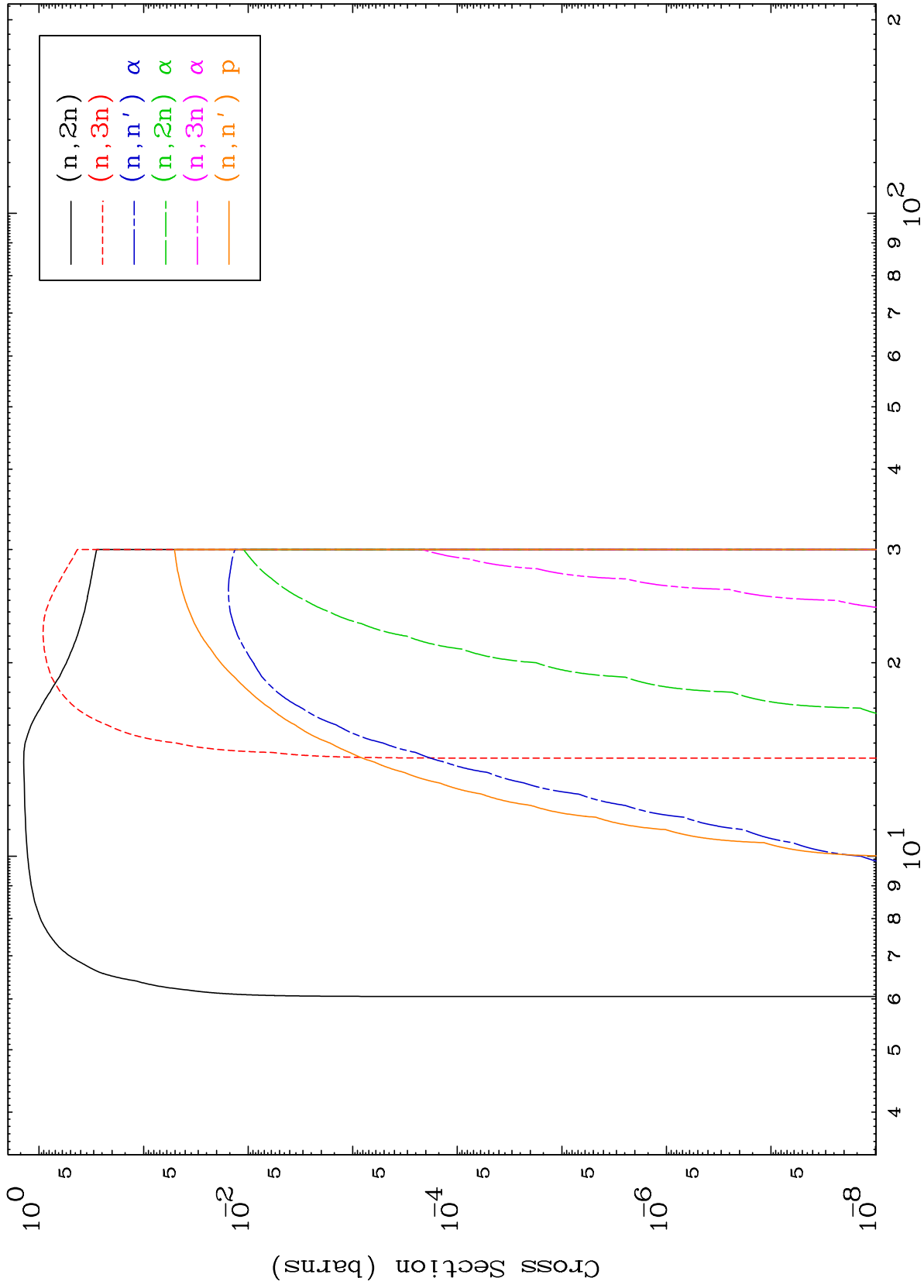
41-Nb-98



MAT 4140

Neutron Production
293 Kelvin Cross Sections

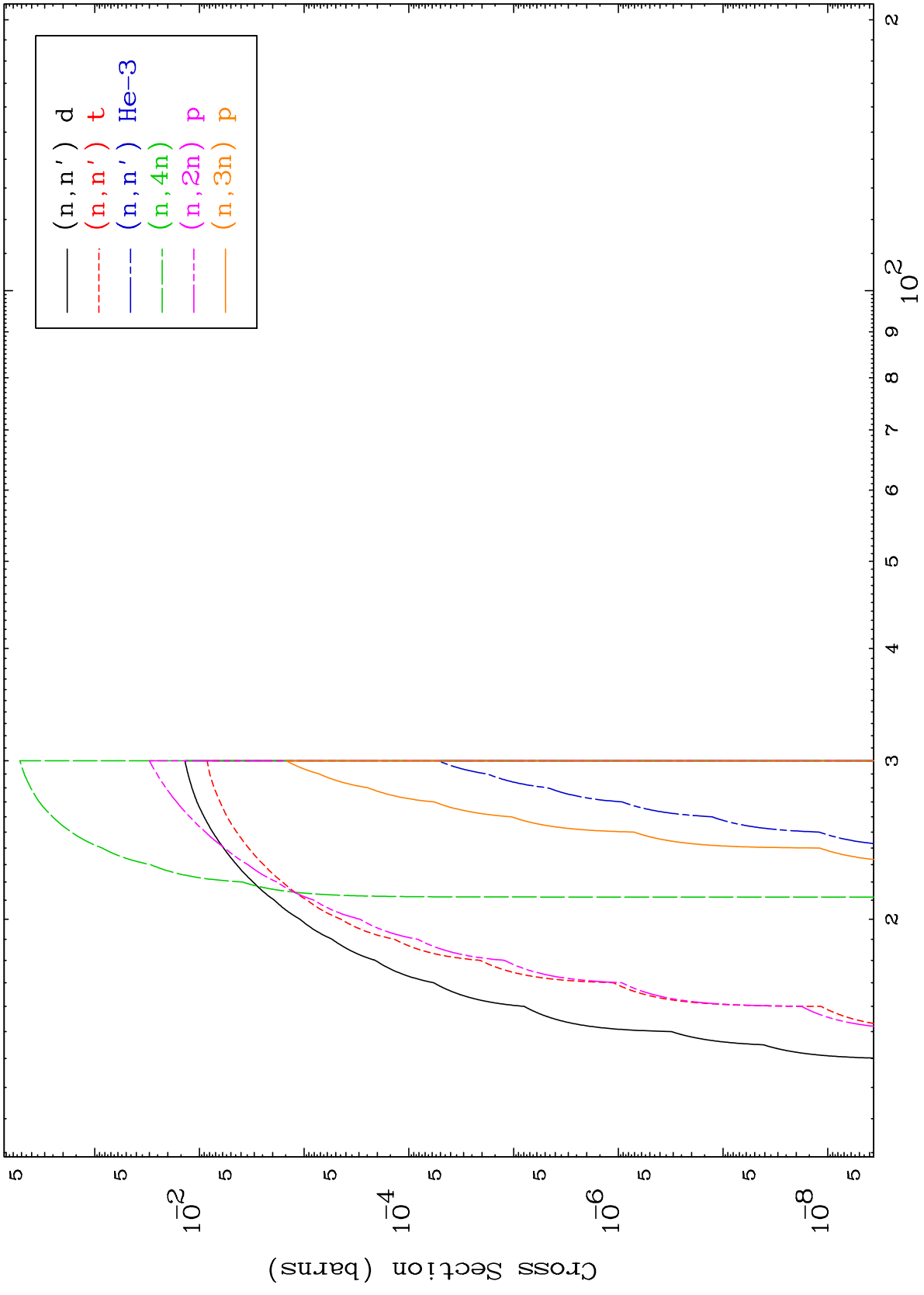
41-Nb-98

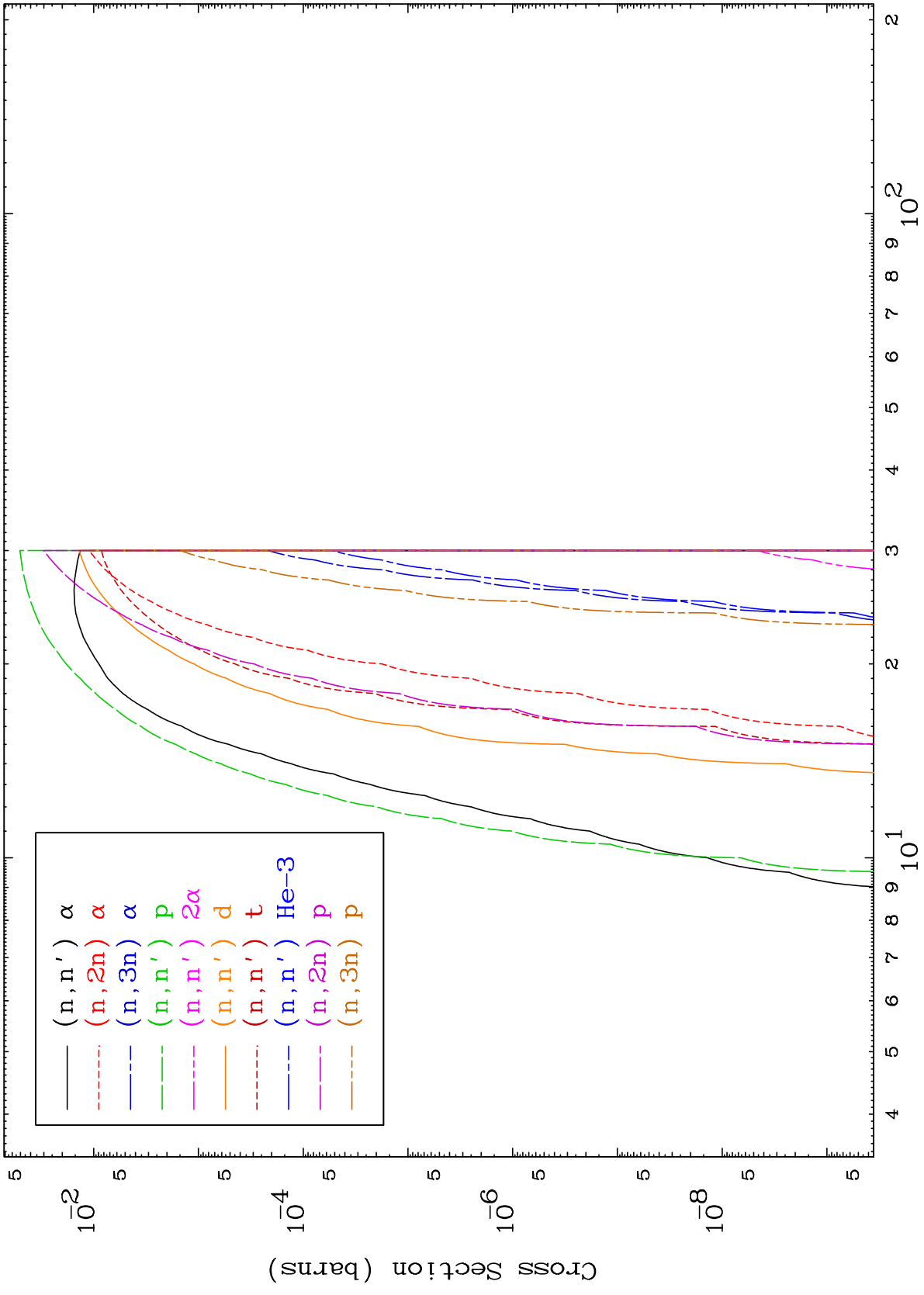


2

Incident Energy (MeV)

41-Nb-98

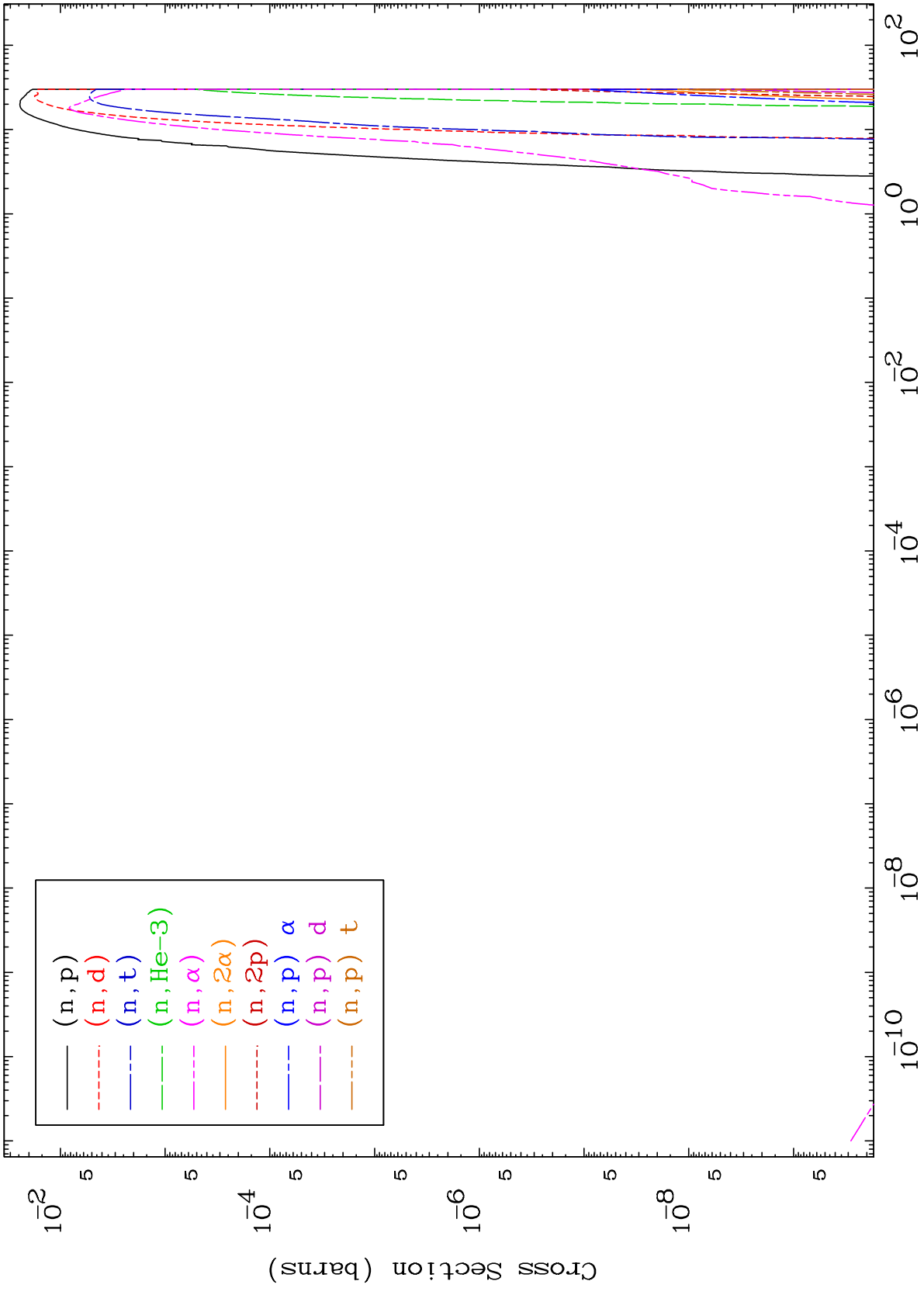




MAT 4140

Charged Particle
293 Kelvin Cross Sections

41-Nb-98

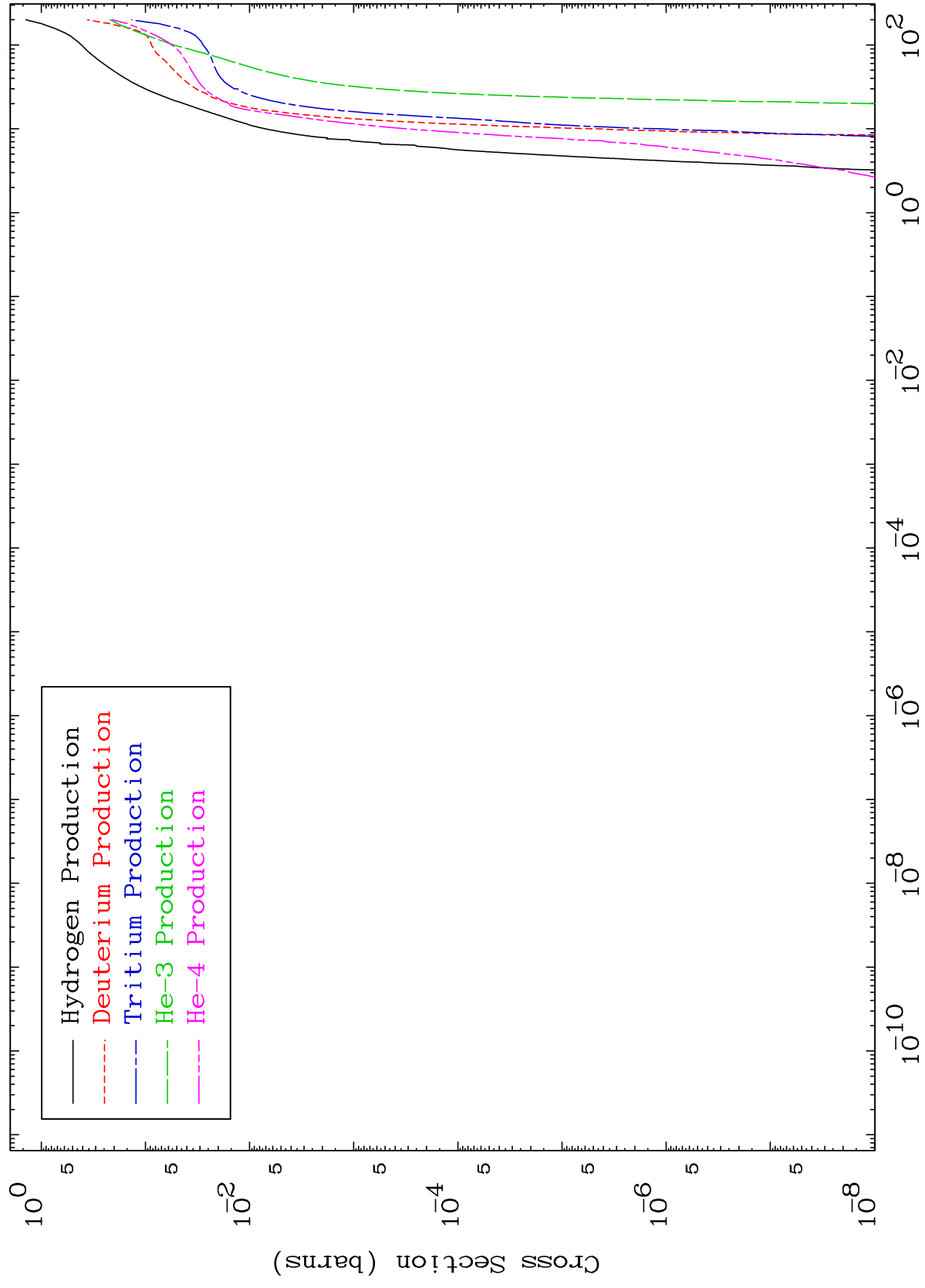


41-Nb-98

MAT 4140

Particle Production
293 Kelvin Cross Sections

41-Nb-98

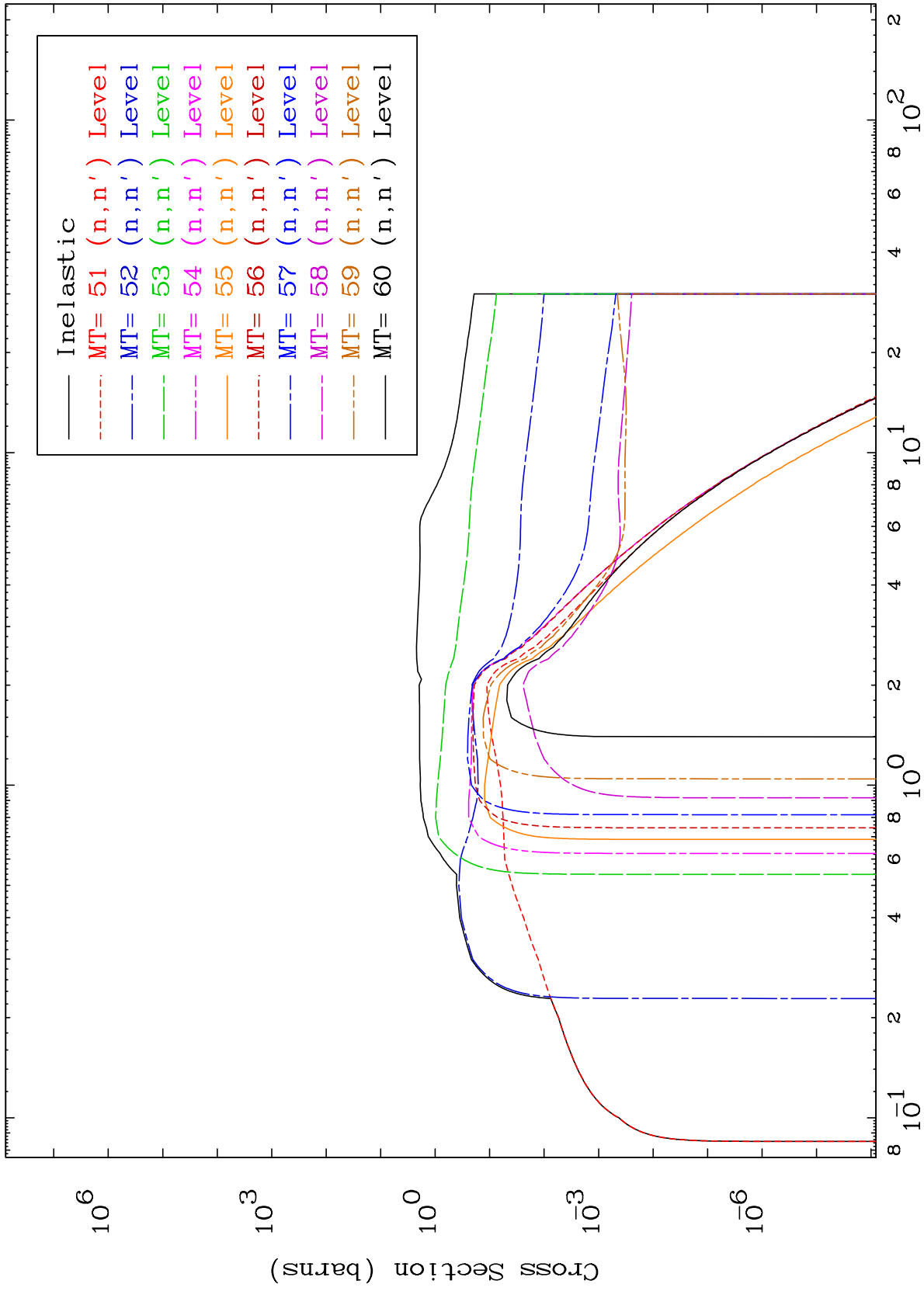


MAT 4140

(n,n') Level

41-Nb-98

293 Kelvin Cross Sections



7

Incident Energy (MeV)

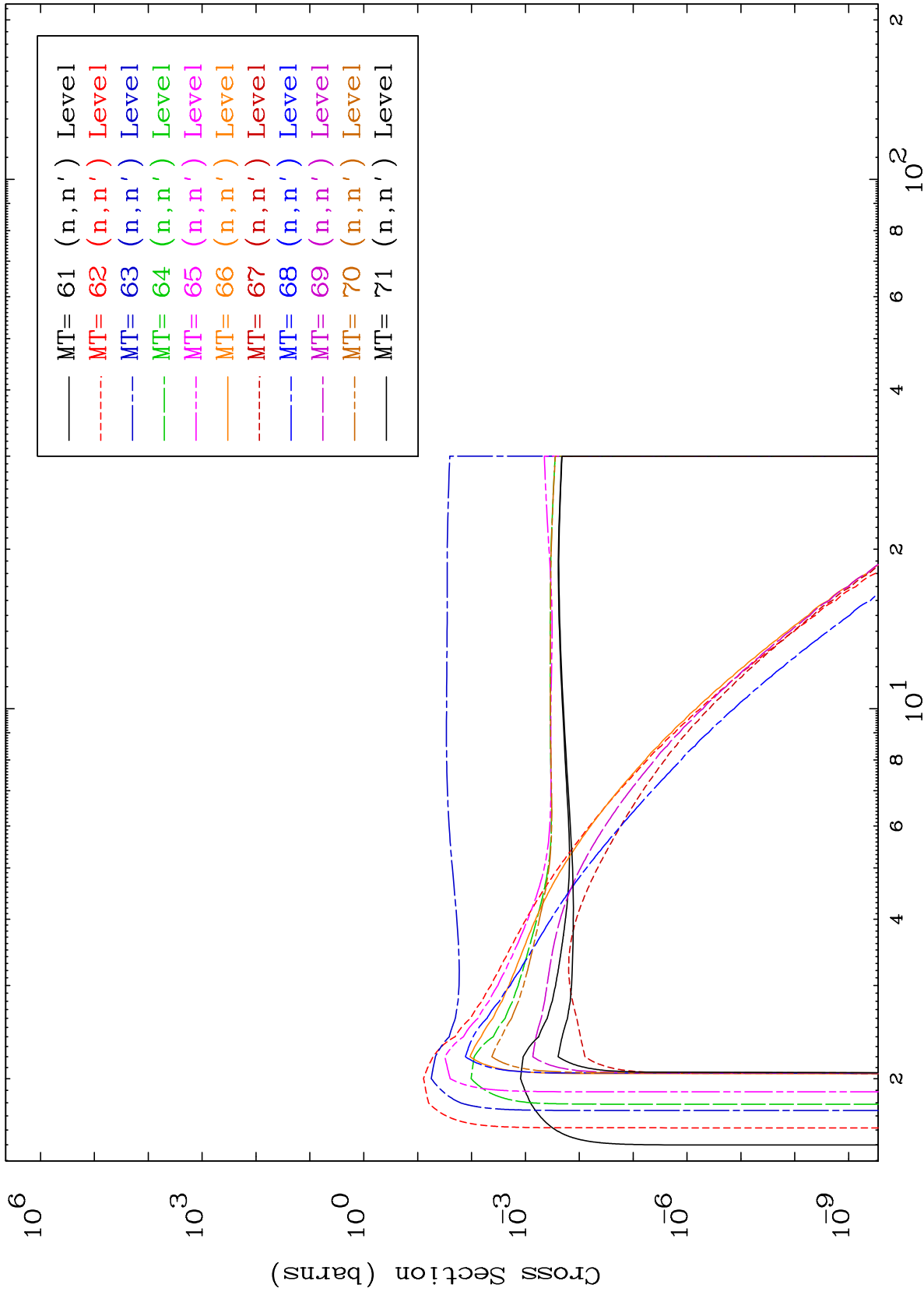
41-Nb-98

MAT 4140

(n,n') Level

41-Nb-98

293 Kelvin Cross Sections



8

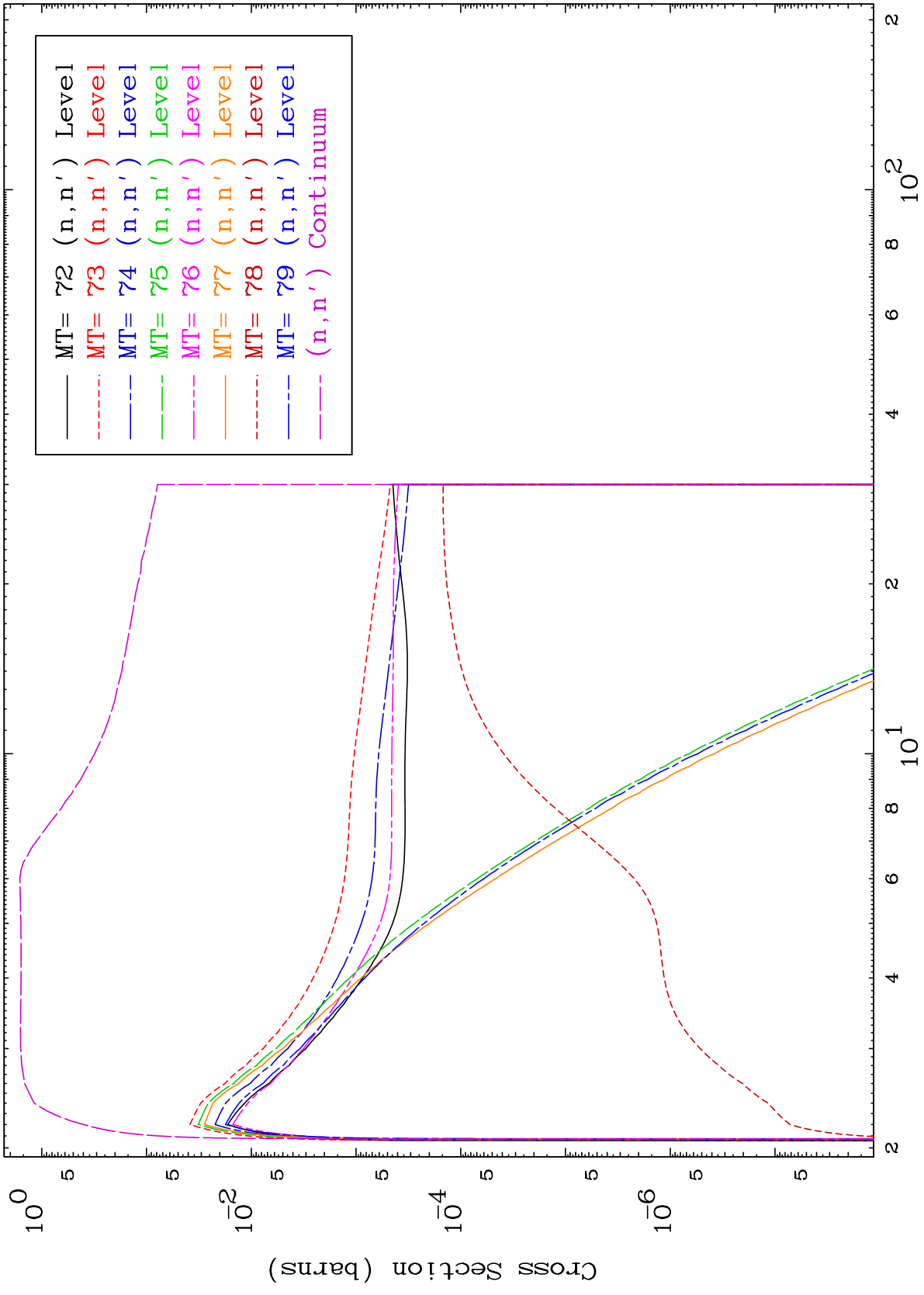
Incident Energy (MeV)

41-Nb-98

MAT 4140

(n,n') Level
293 Kelvin Cross Sections

41-Nb-98



9

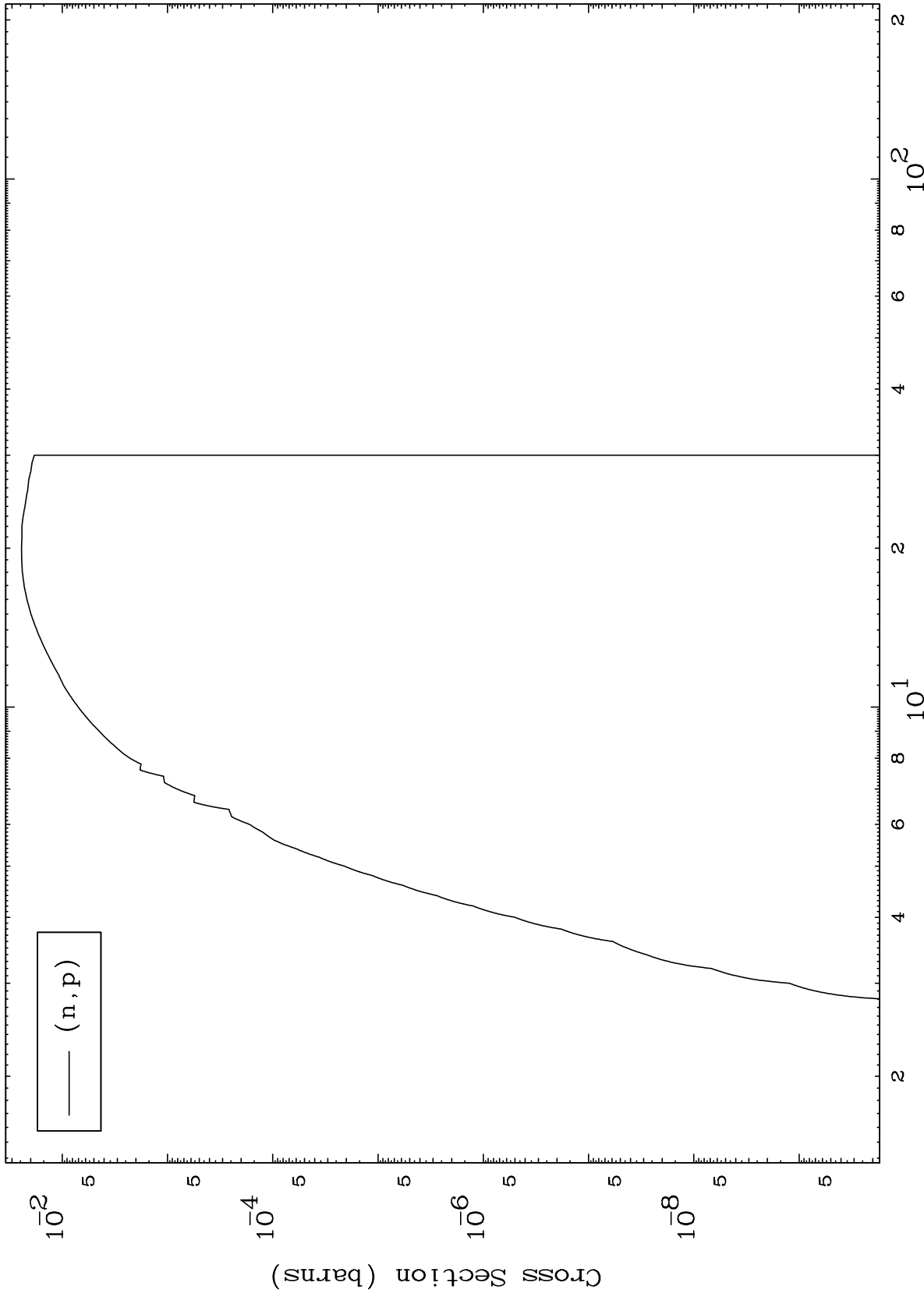
Incident Energy (MeV)

41-Nb-98

MAT 4140

(n,p) Levels
293 Kelvin Cross Sections

41-Nb-98



10

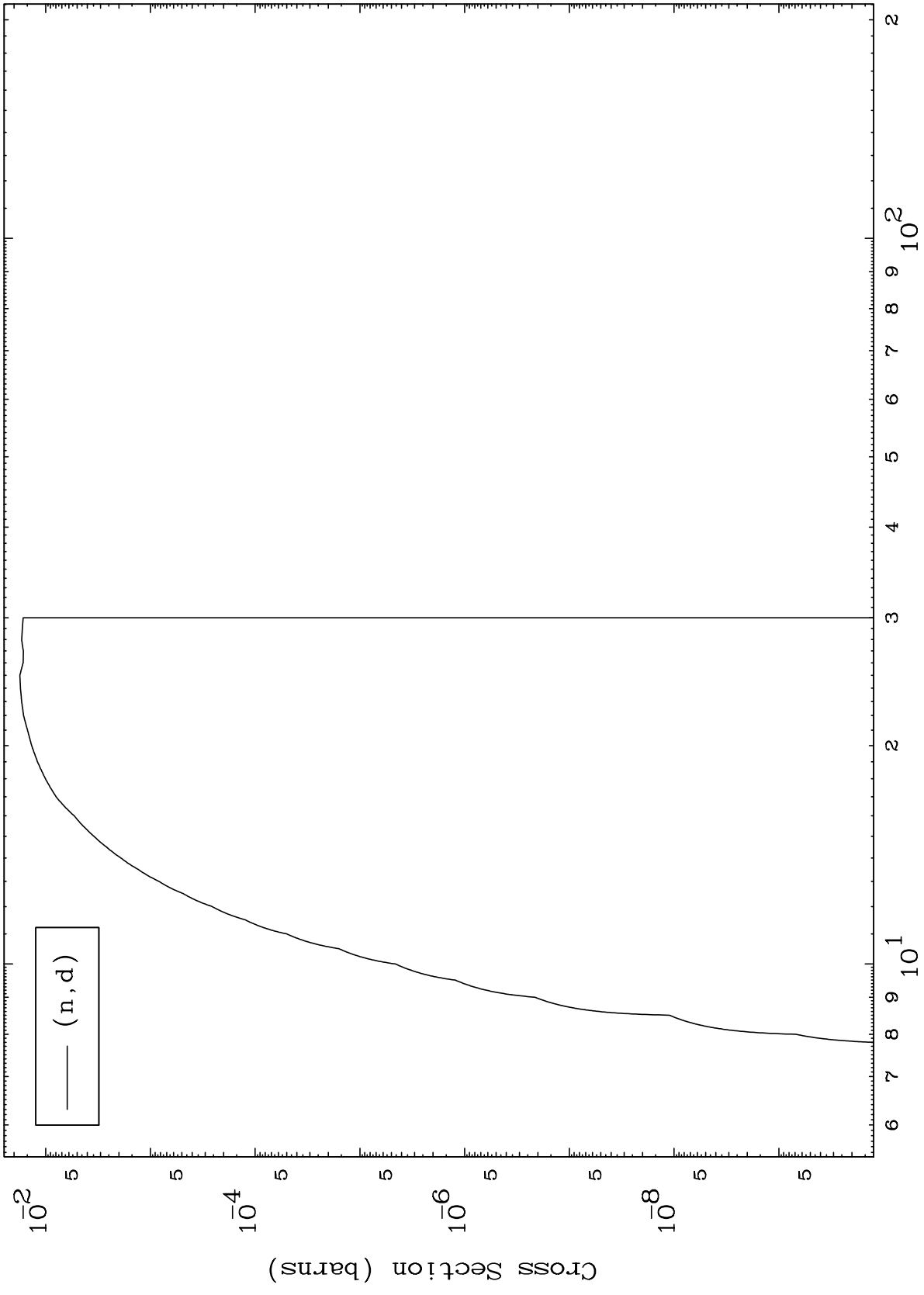
Incident Energy (MeV)

41-Nb-98

MAT 4140

(n,d) Levels
293 Kelvin Cross Sections

41-Nb-98



11

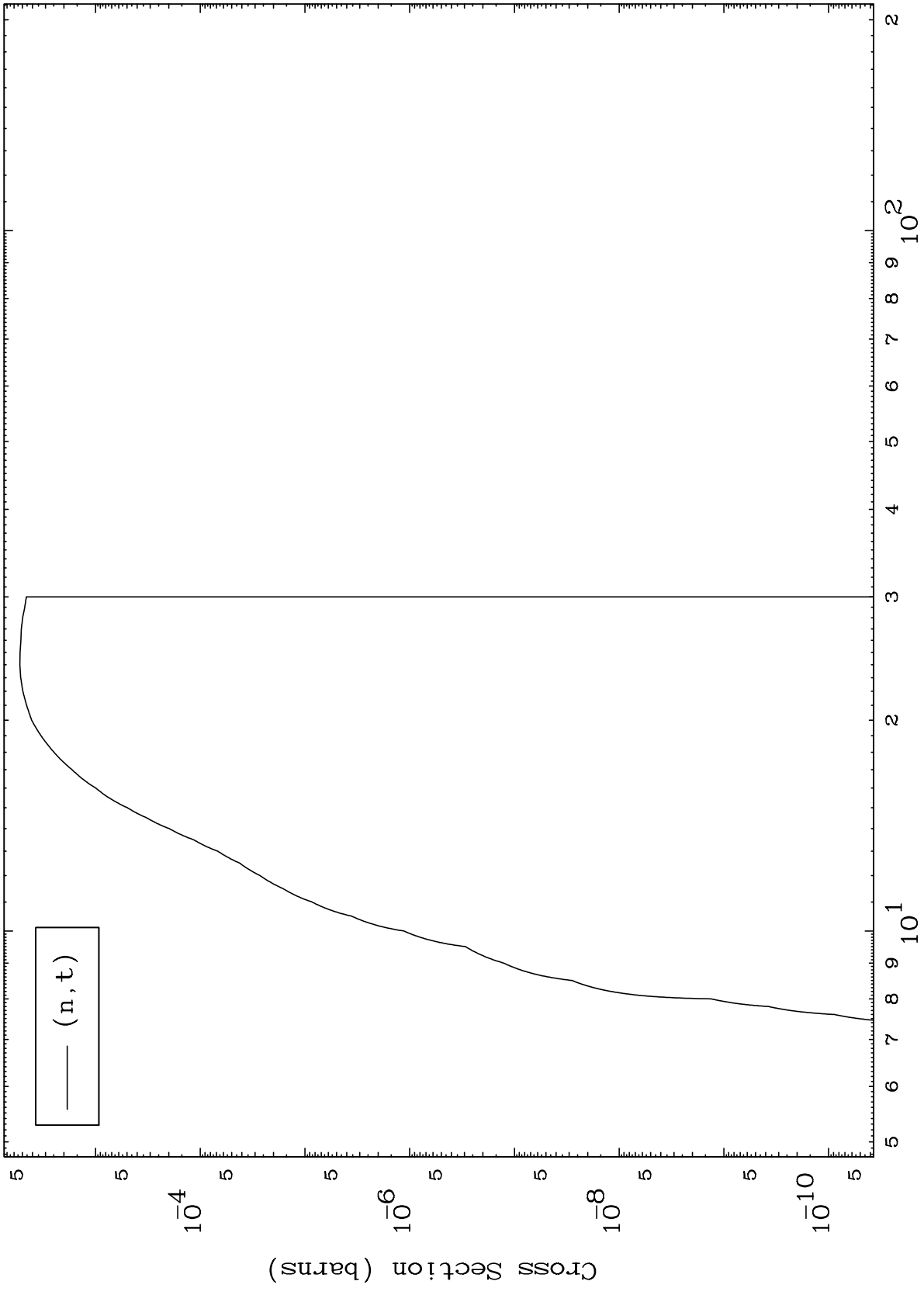
Incident Energy (MeV)

41-Nb-98

MAT 4140

(n,t) Levels
293 Kelvin Cross Sections

41-Nb-98



12

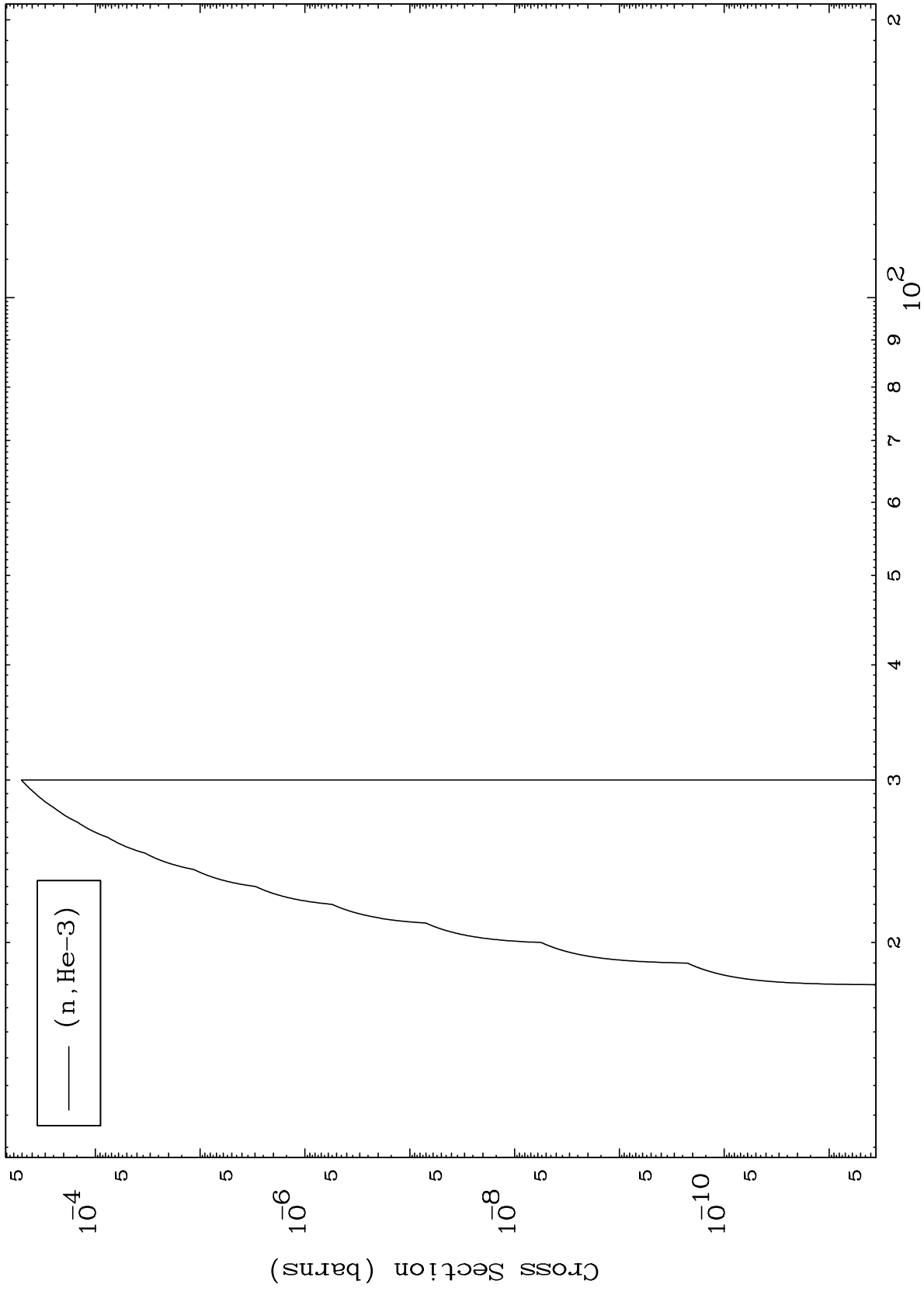
Incident Energy (MeV)

41-Nb-98

MAT 4140

(n,He3) Levels
293 Kelvin Cross Sections

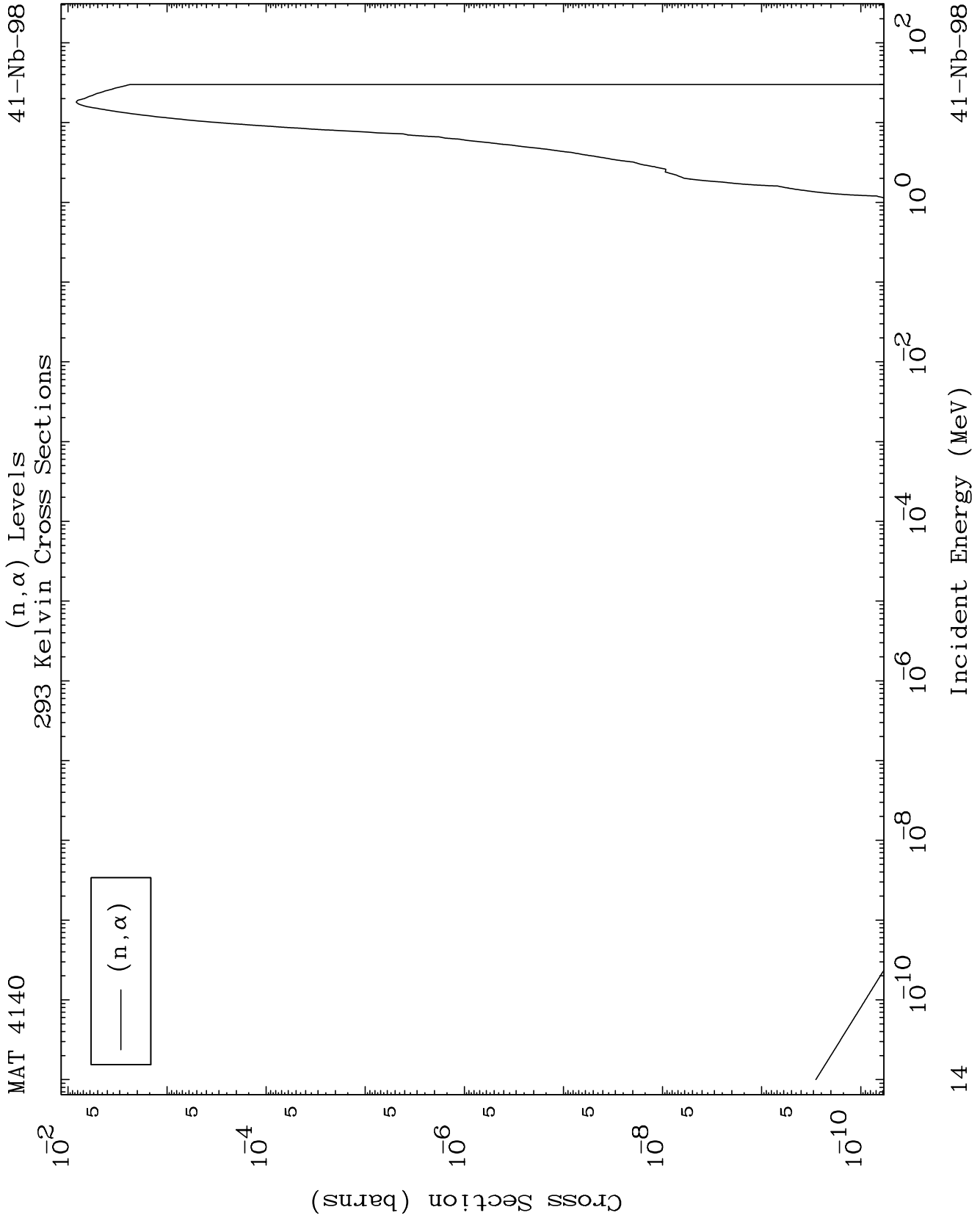
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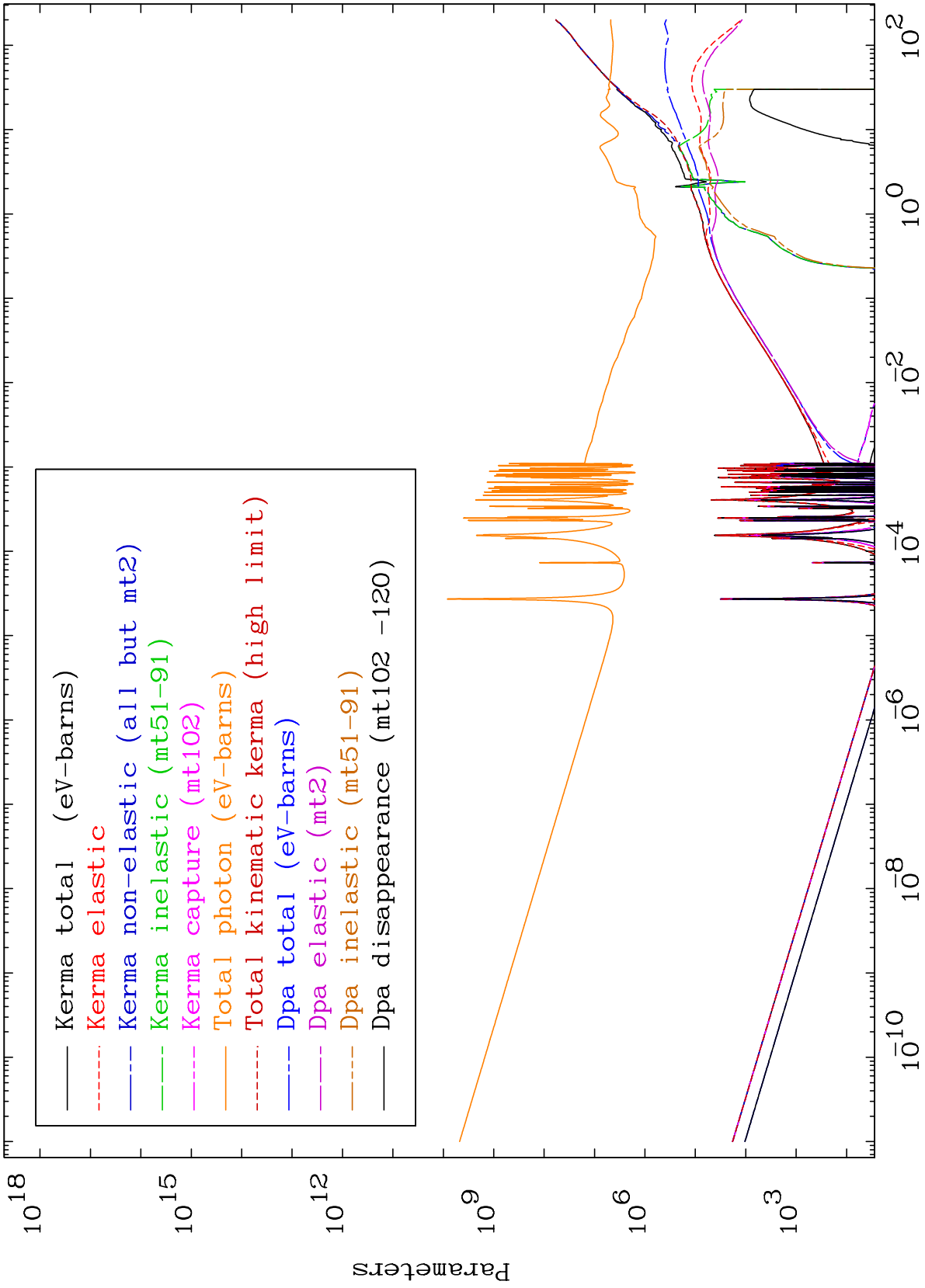


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Incident Energy (MeV)

41-Nb-98

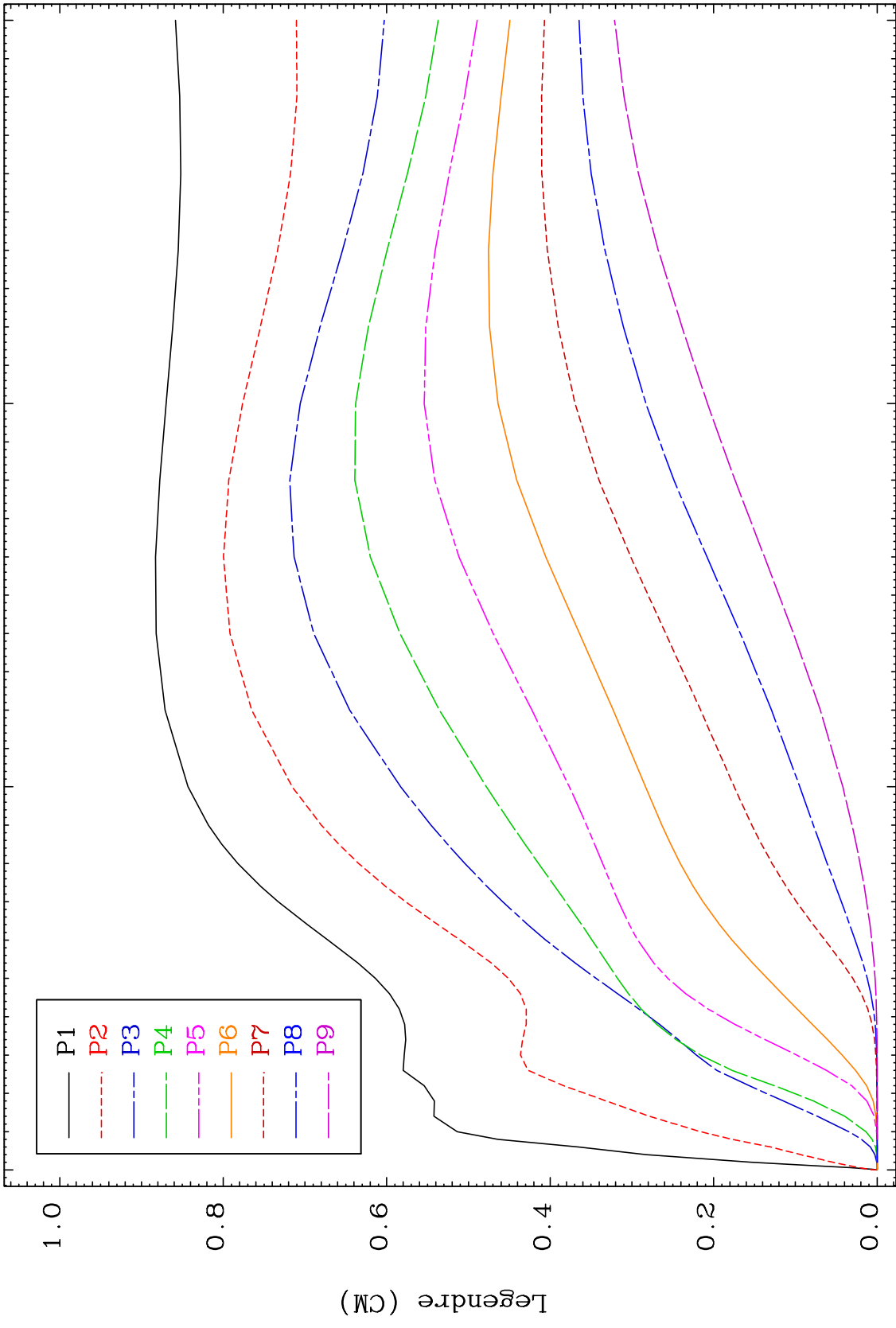




MAT 4140

Elastic Legendre Coefficients

41-Nb-98



16

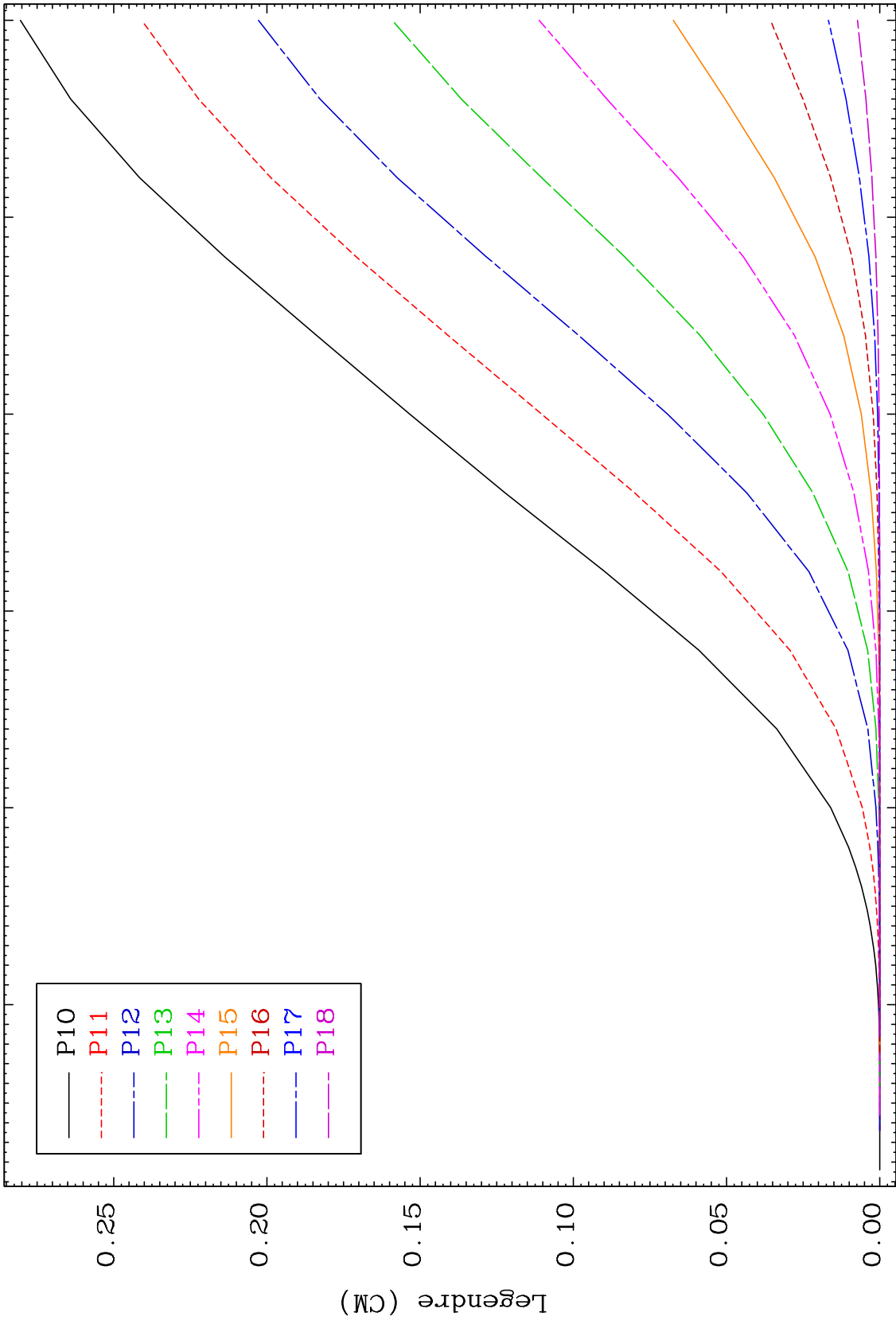
Incident Energy (MeV)

41-Nb-98

MAT 4140

Elastic Legendre Coefficients

41-Nb-98



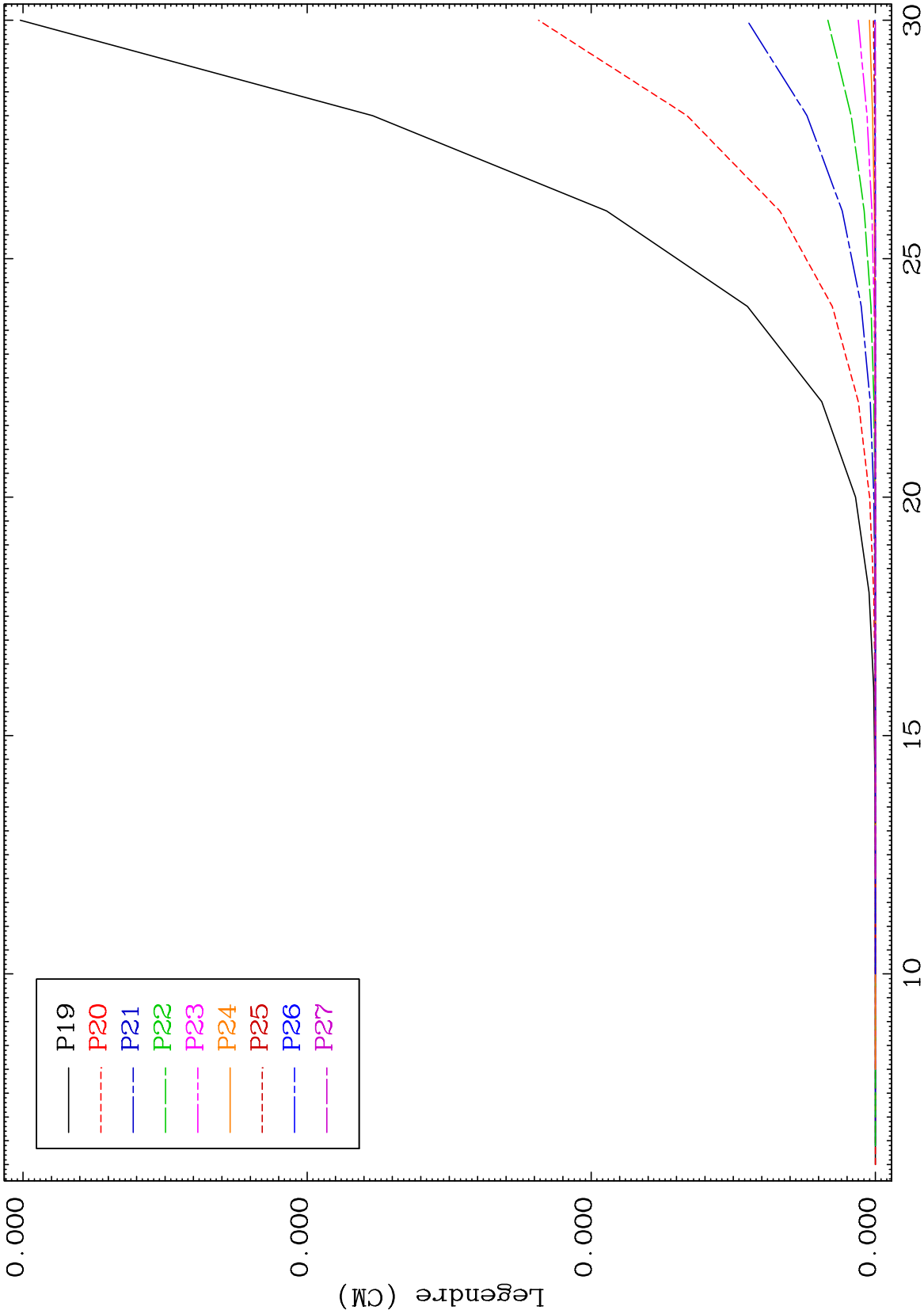
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41-Nb-98

MAT 4140

Elastic Legendre Coefficients

41-Nb-98



18

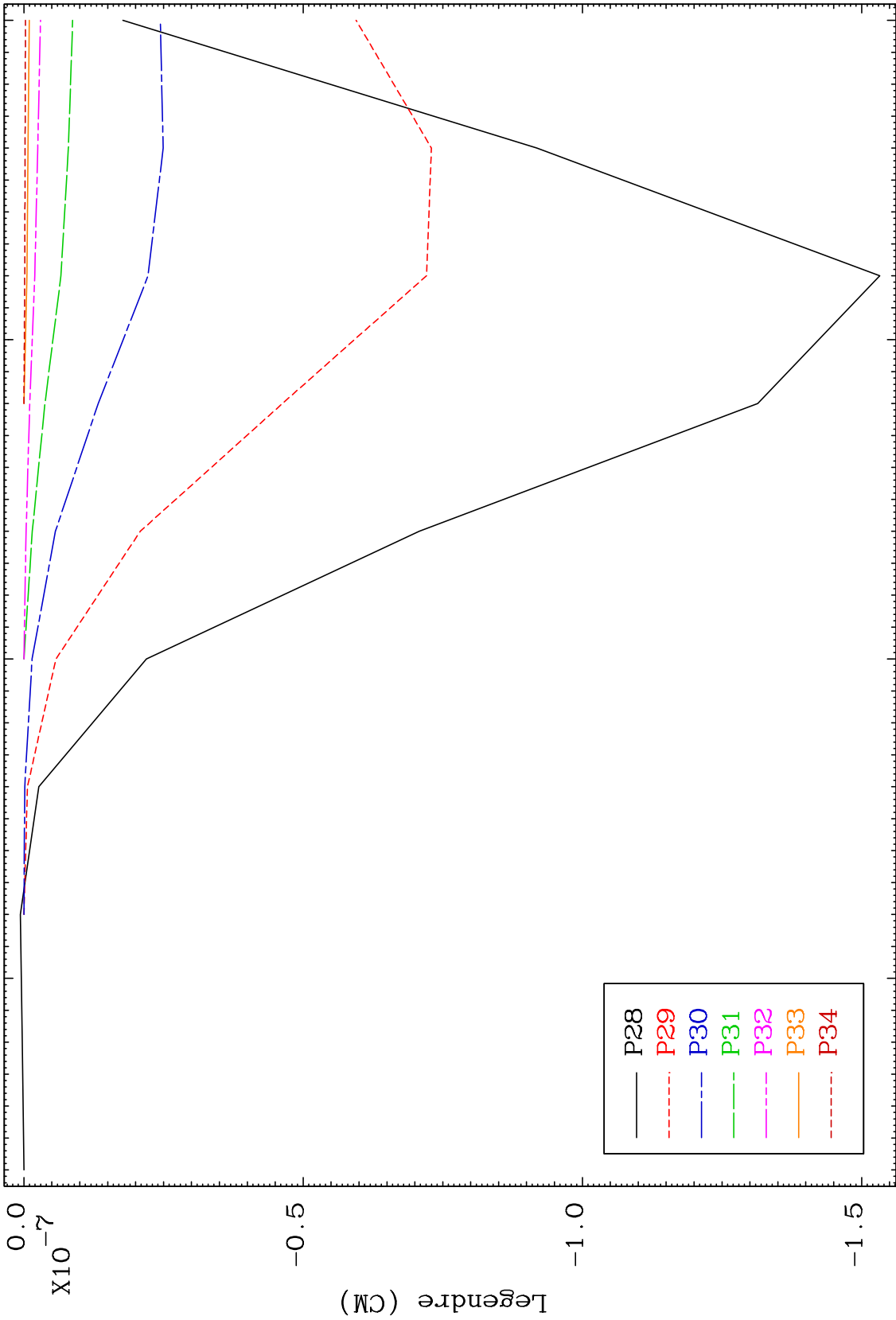
Incident Energy (MeV)

41-Nb-98

MAT 4140

41-Nb-98

Elastic Legendre Coefficients

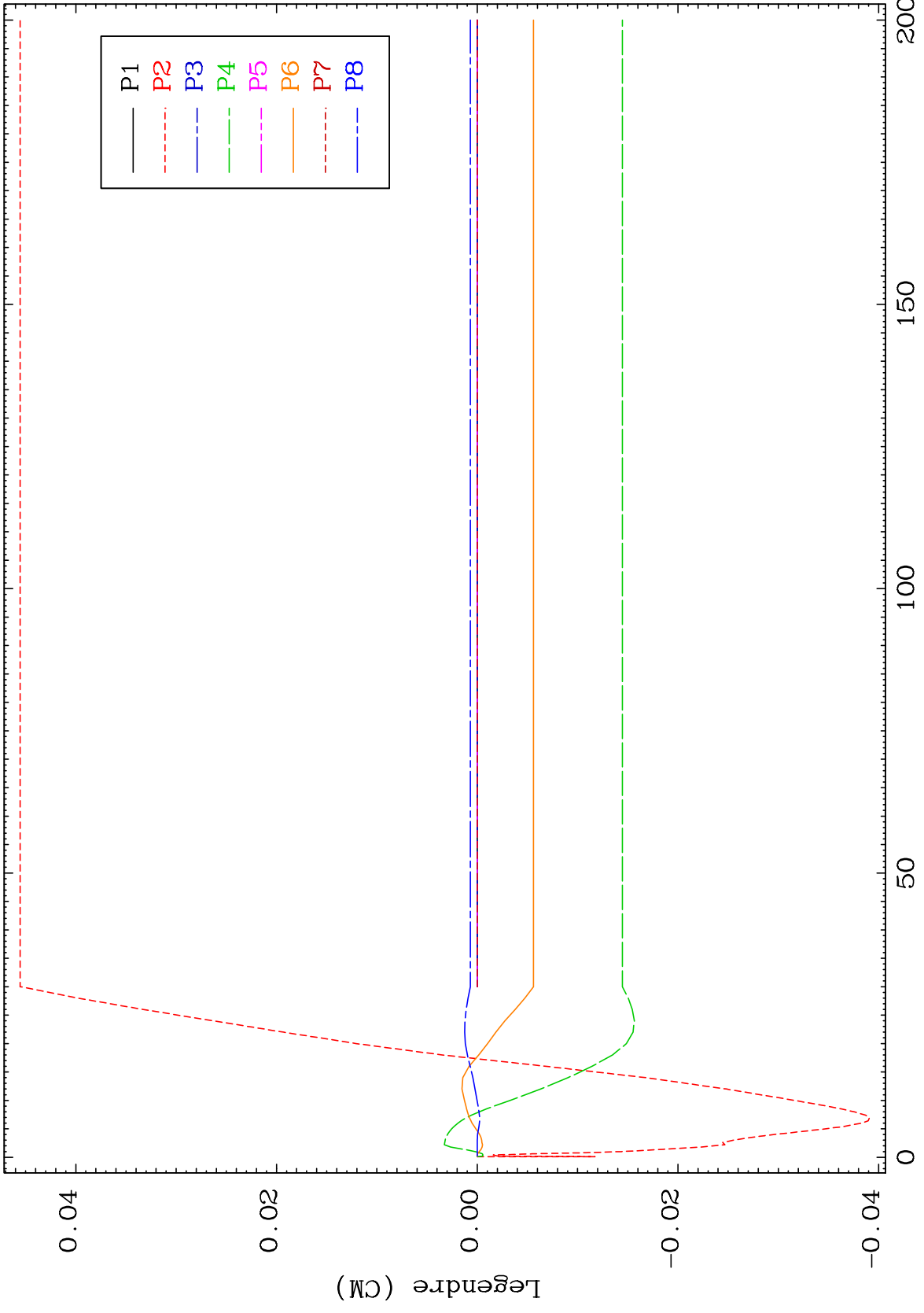


19

Incident Energy (MeV)

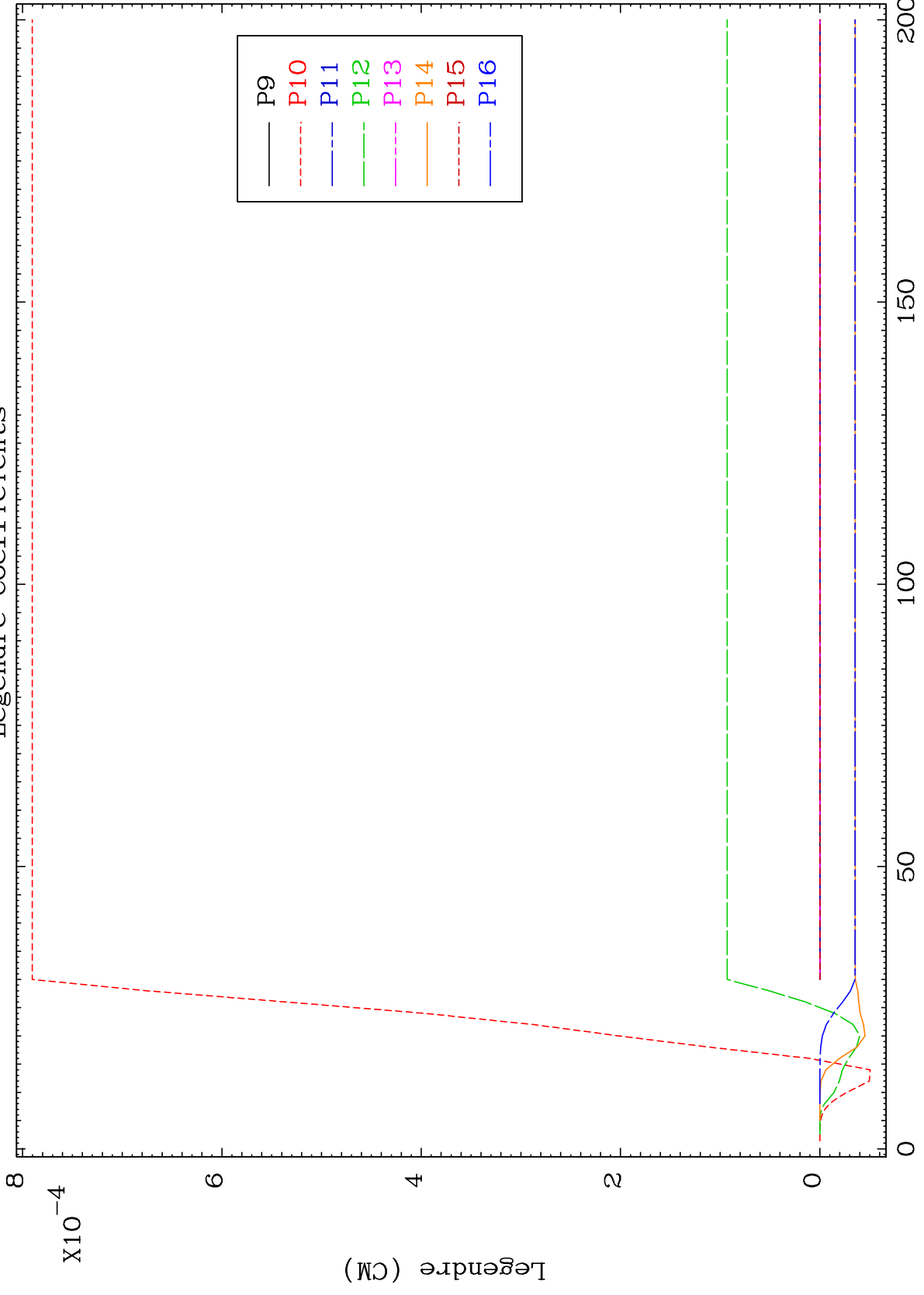
41-Nb-98

MAT 4140 MT= 51 (n,n') Level Legendre Coefficients 41-Nb-98



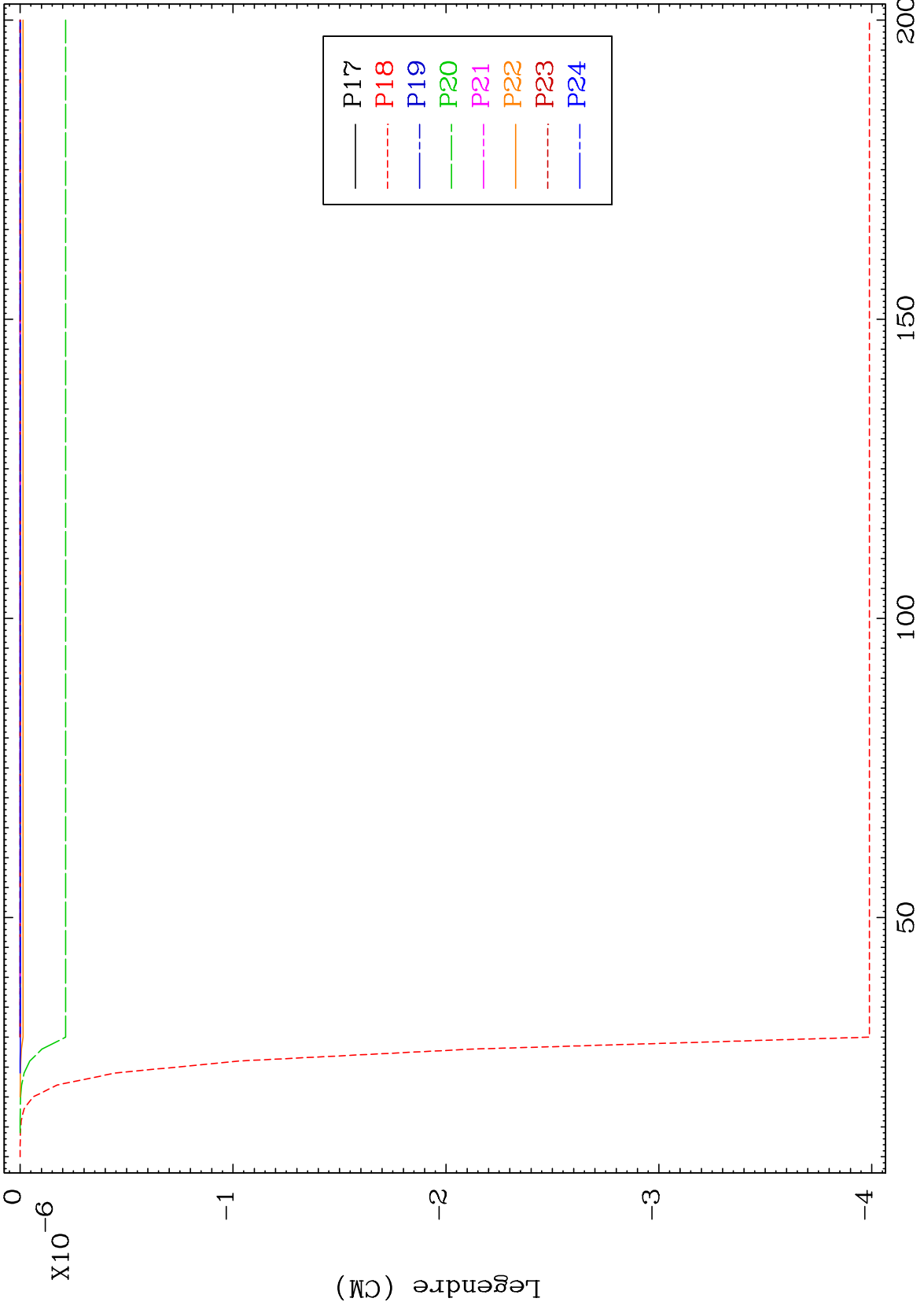
41-Nb-98

MAT 4140 MT= 51 (n,n') Level Legendre Coefficients 41-Nb-98



21 41-Nb-98

MAT 4140 MT= 51 (n,n') Level Legendre Coefficients 41-Nb-98

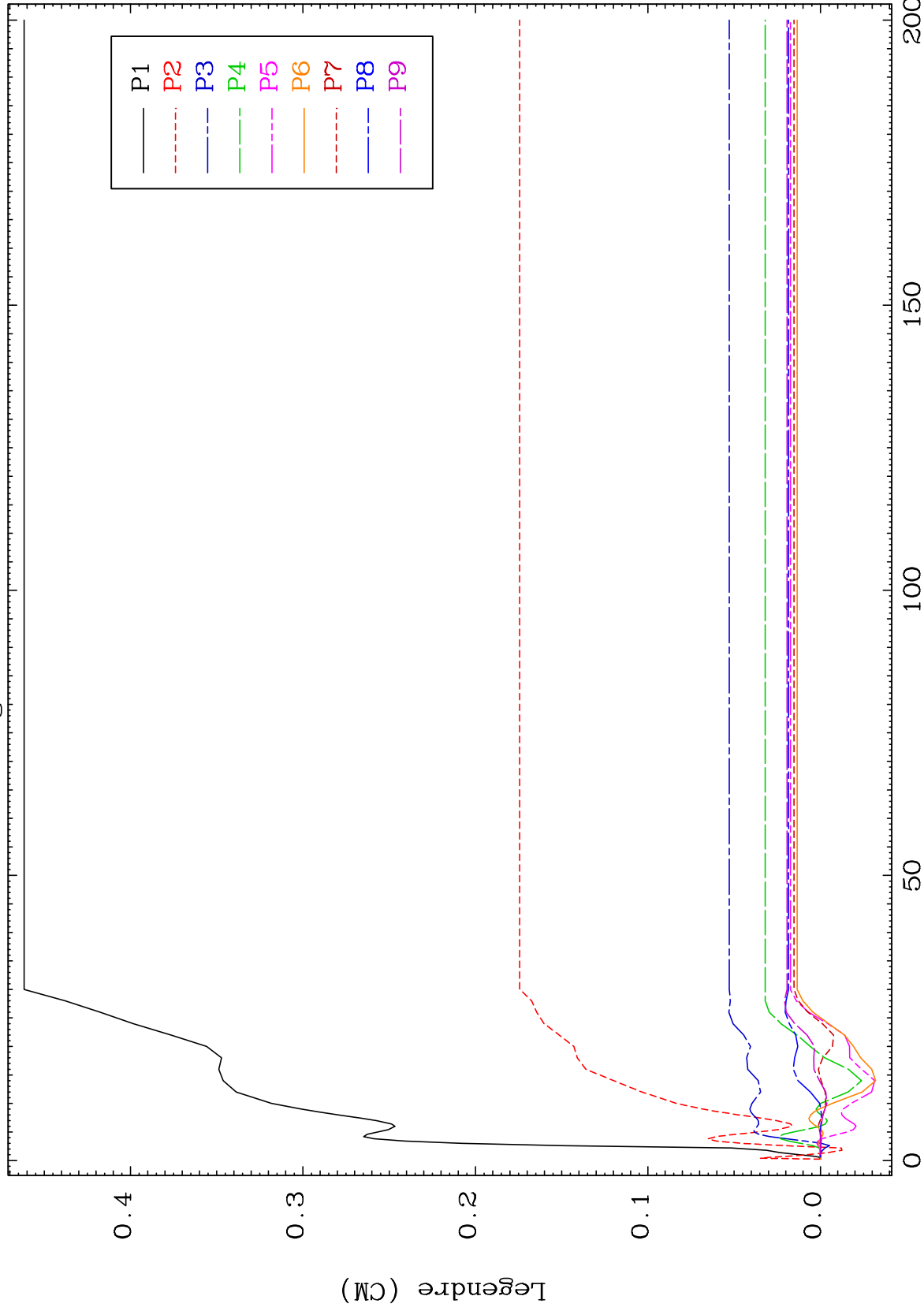


22 Incident Energy (MeV) 41-Nb-98

MAT 4140

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

41-Nb-98



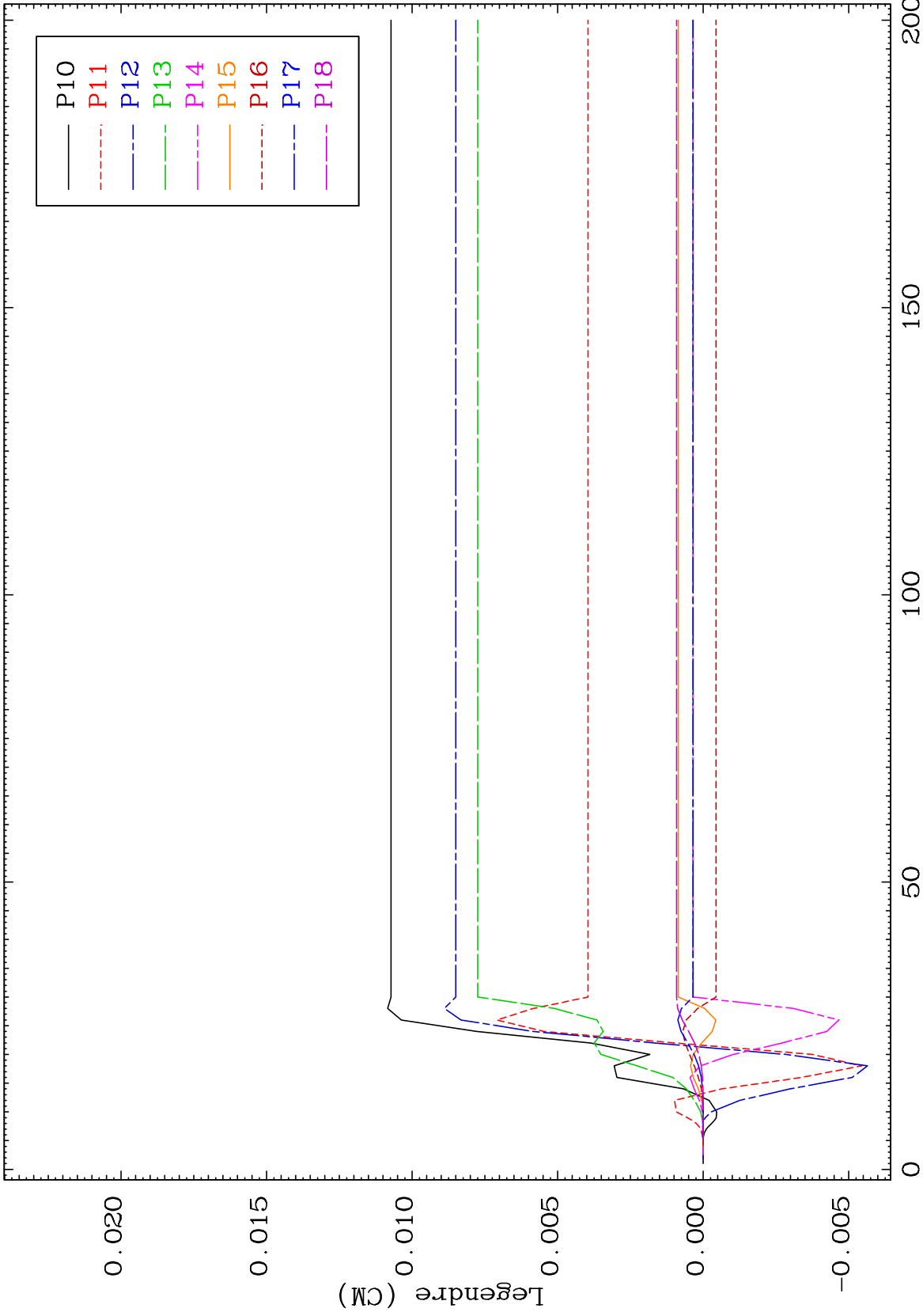
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41-Nb-98

MAT 4140

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

41-Nb-98



24

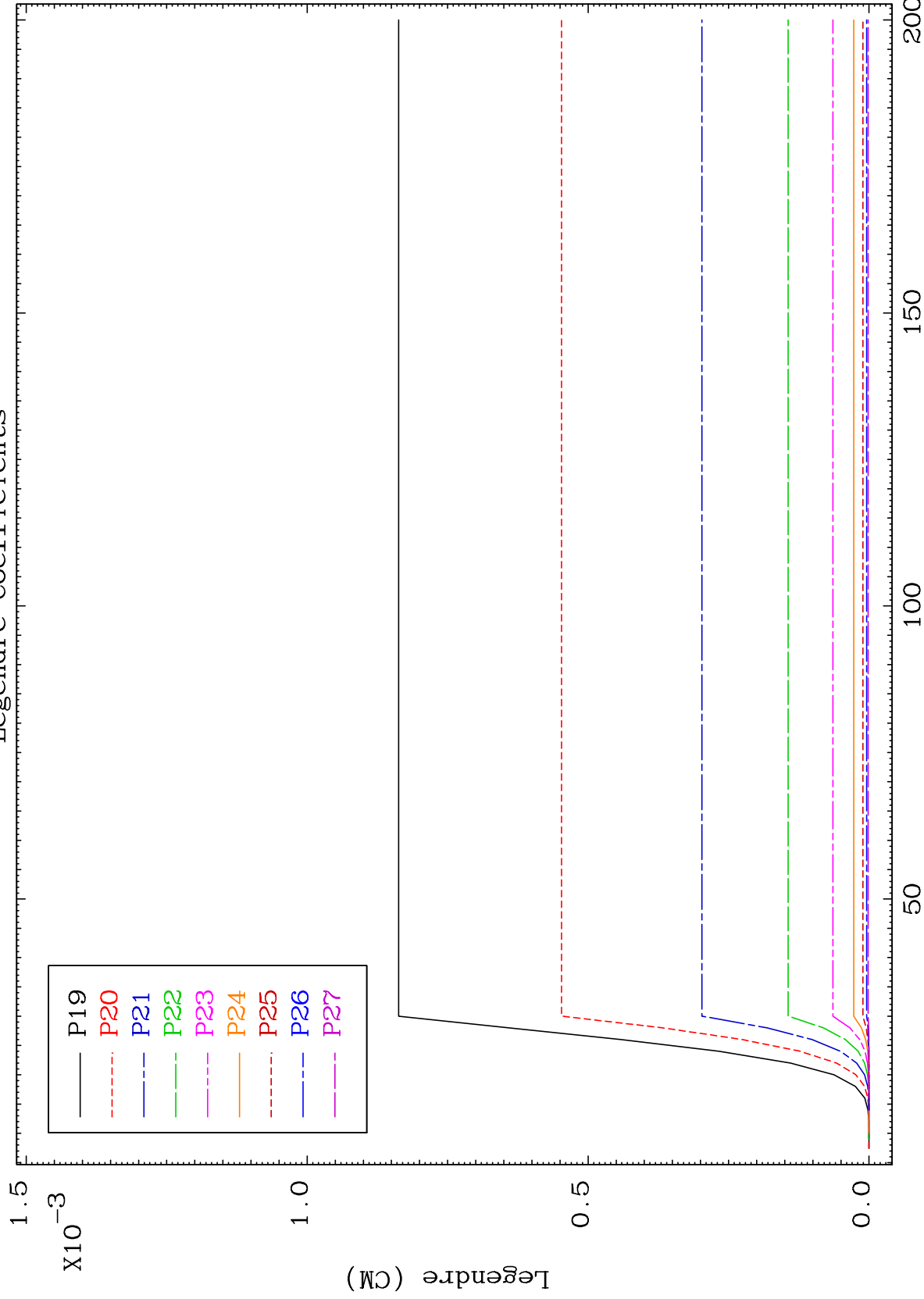
Incident Energy (MeV)

41-Nb-98

MAT 4140

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

41-Nb-98



25

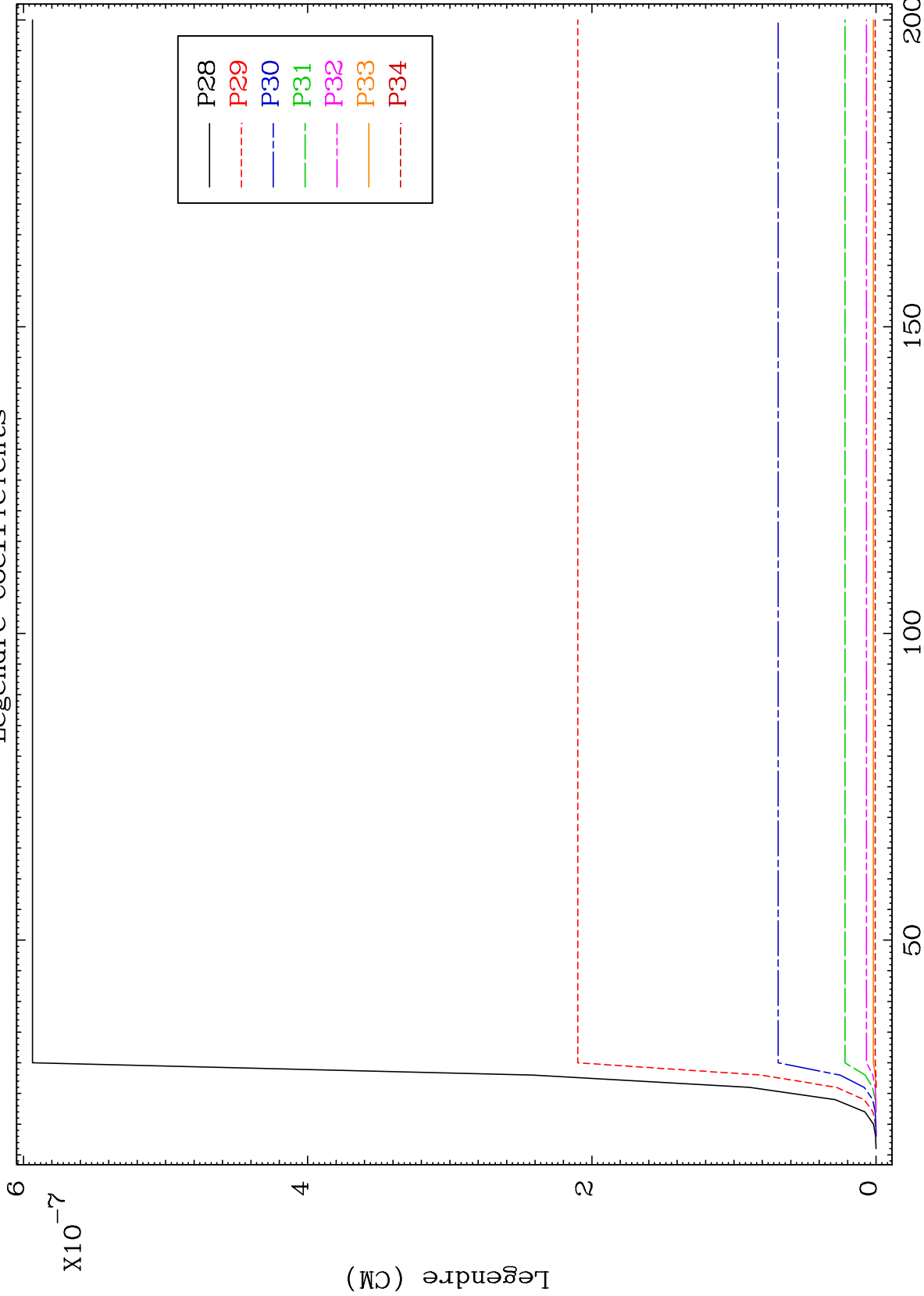
Incident Energy (MeV)

41-Nb-98

MAT 4140

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

41-Nb-98



26

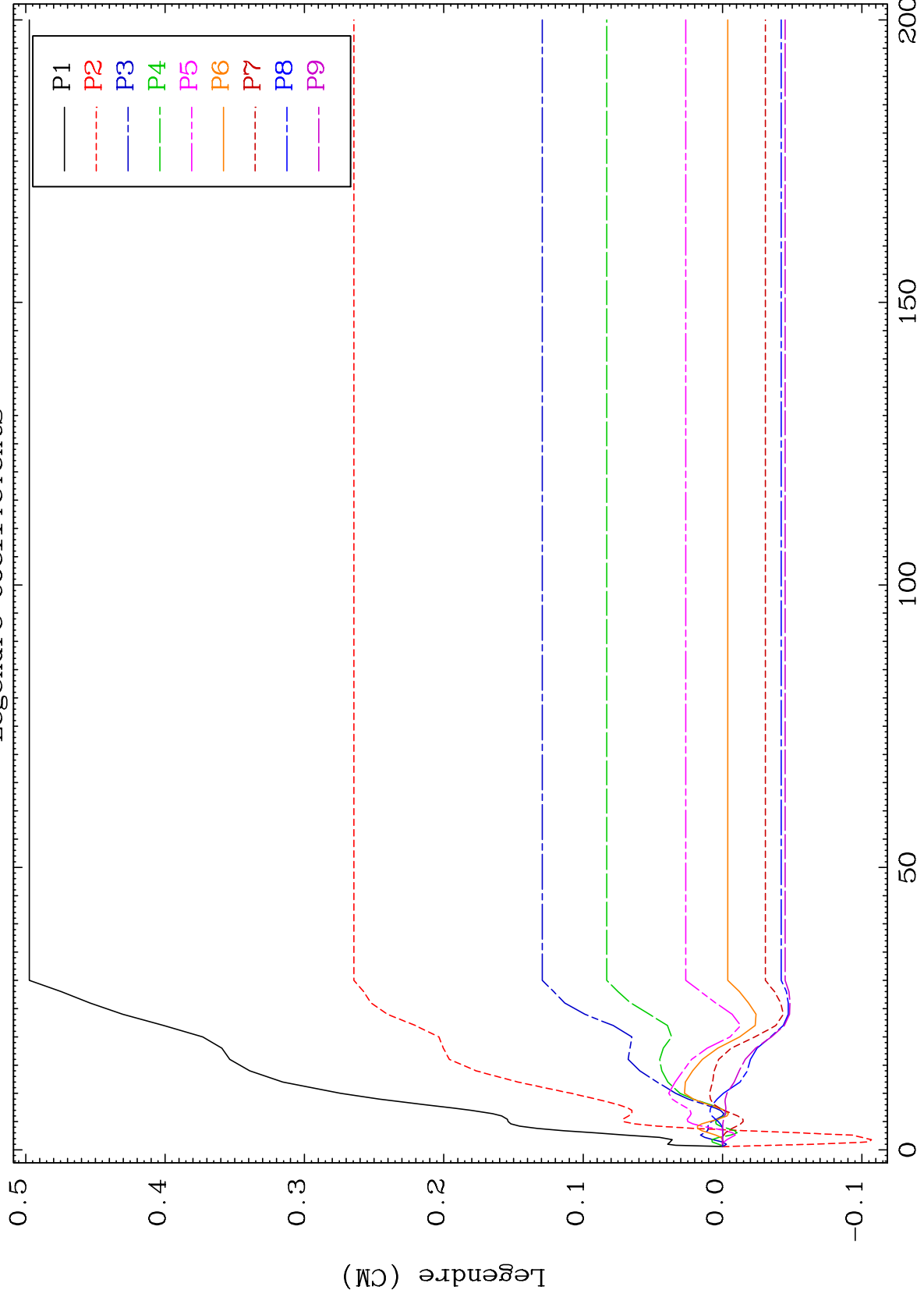
Incident Energy (MeV)

41-Nb-98

MAT 4140

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

41-Nb-98



27

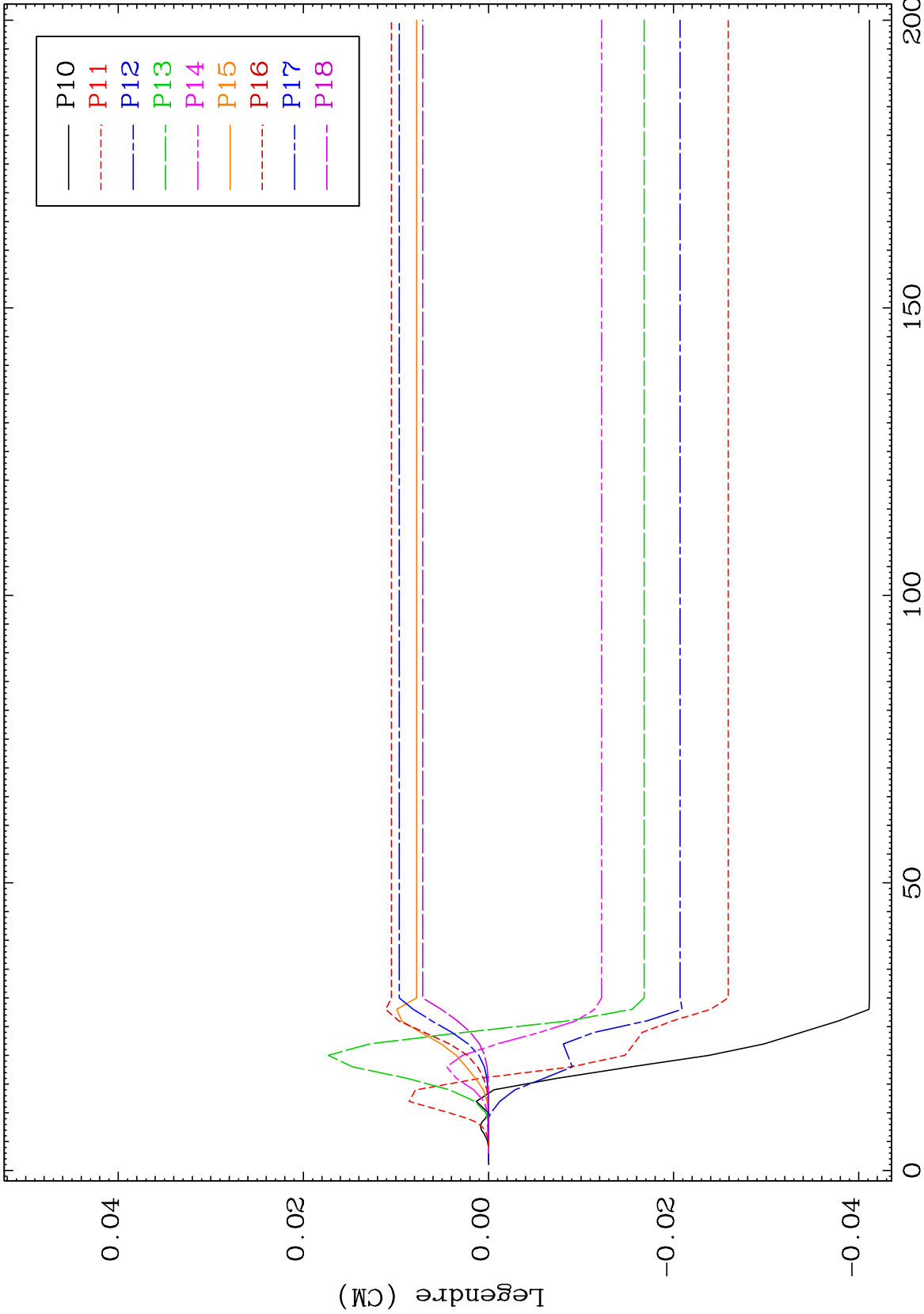
Incident Energy (MeV)

41-Nb-98

MAT 4140

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

41-Nb-98



28

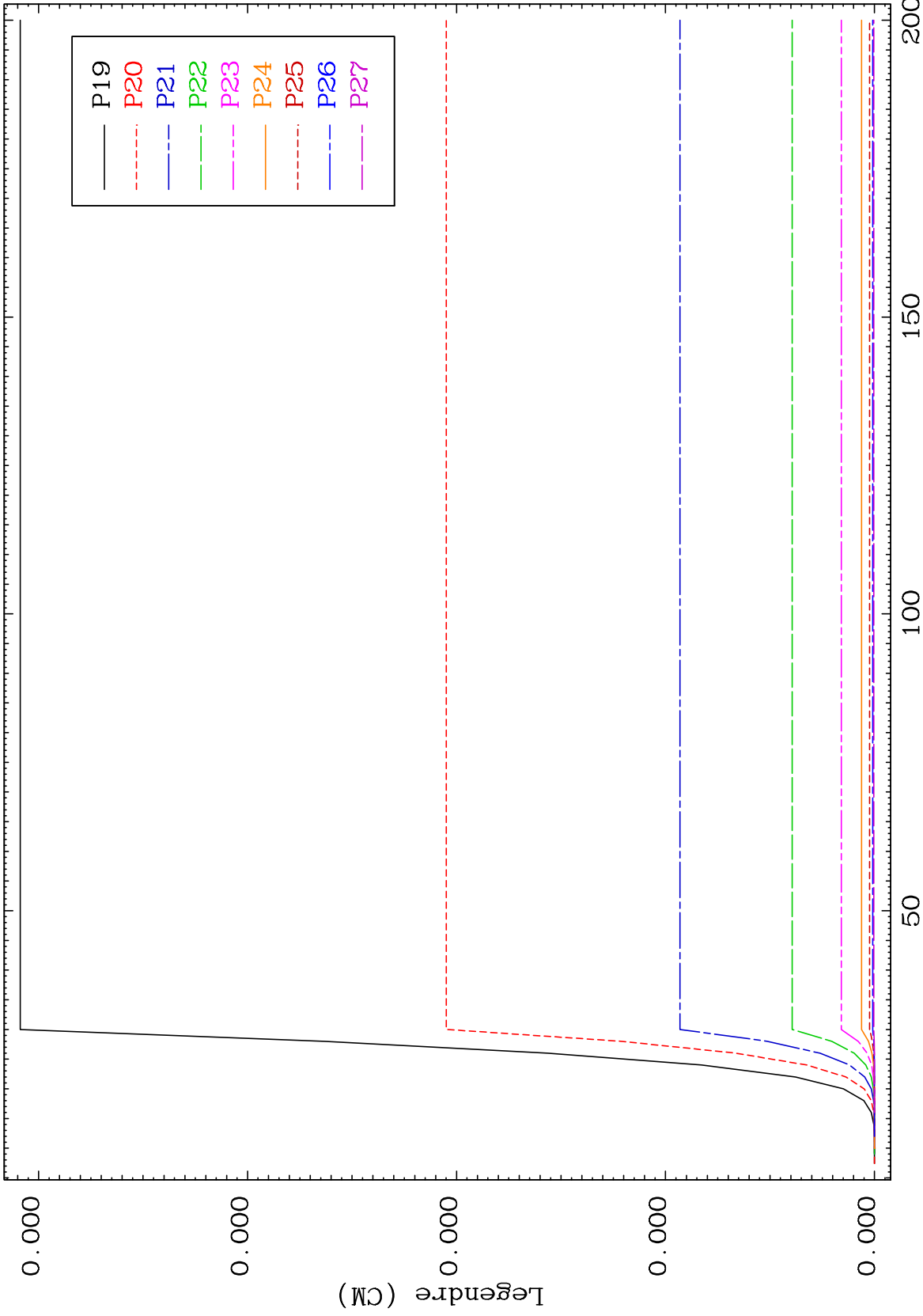
Incident Energy (MeV)

41-Nb-98

MAT 4140

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

41-Nb-98



29

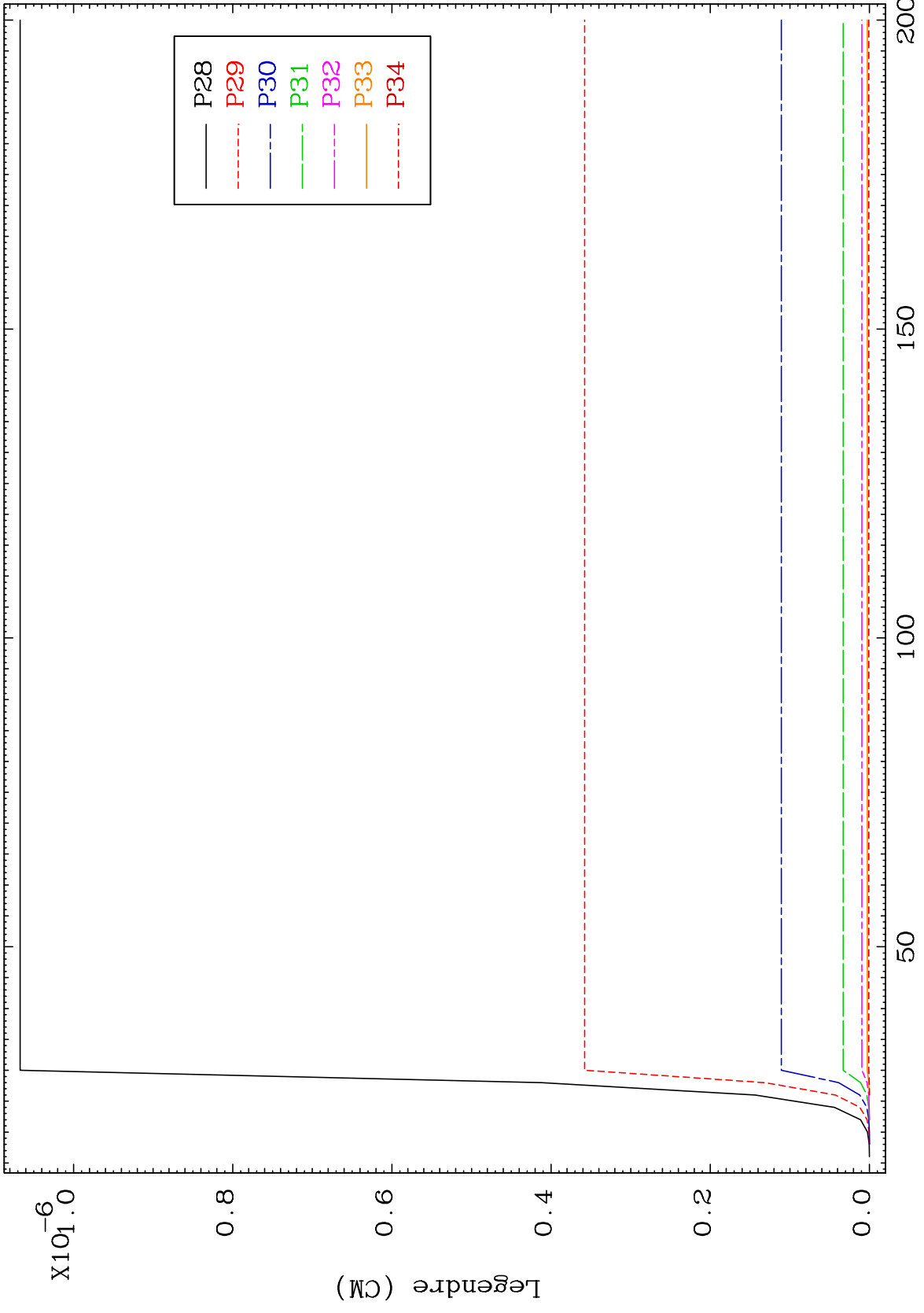
Incident Energy (MeV)

41-Nb-98

MAT 4140

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

41-Nb-98

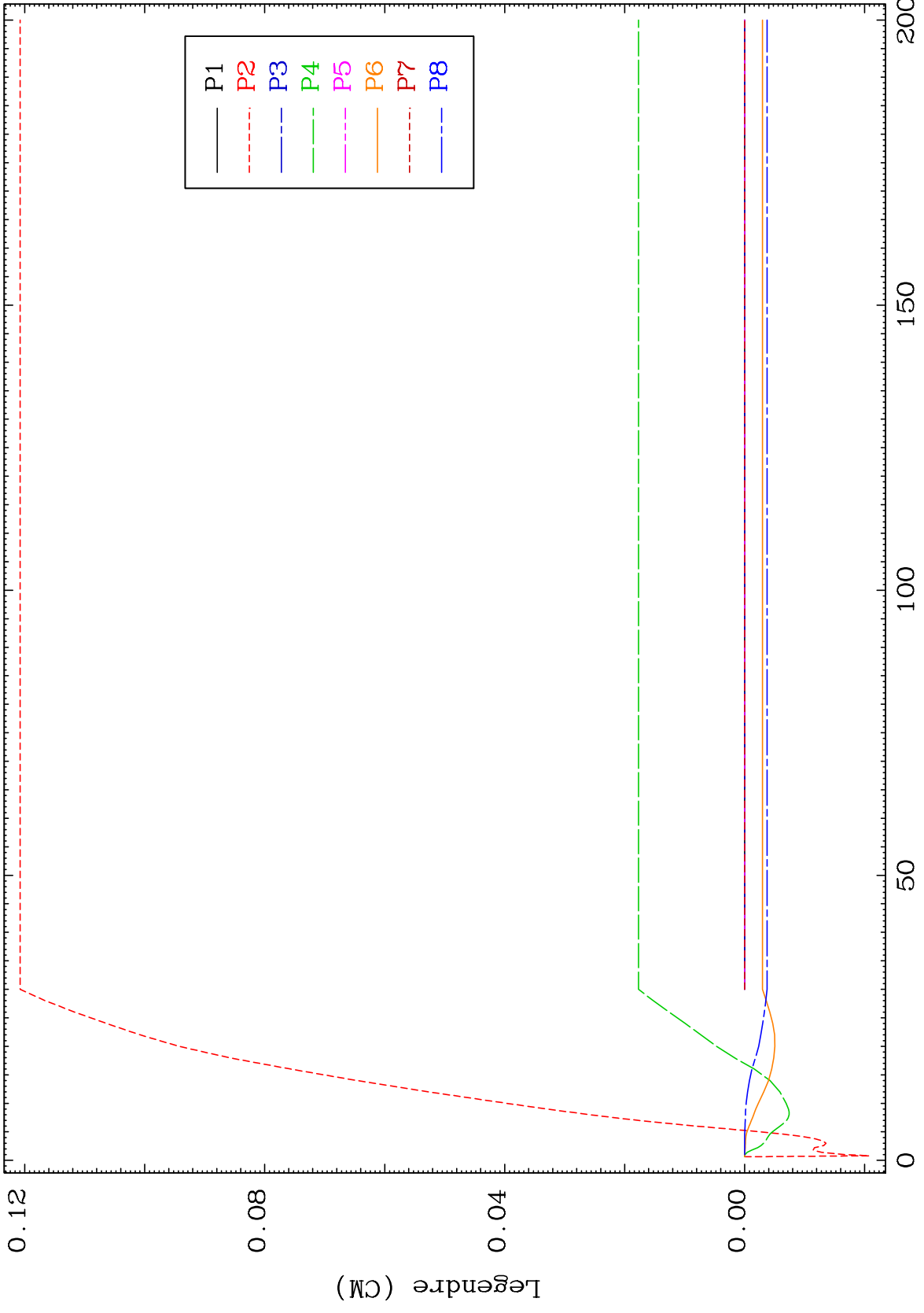


30

Incident Energy (MeV)

41-Nb-98

MAT 4140 MT= 54 (n,n') Level Legendre Coefficients 41-Nb-98

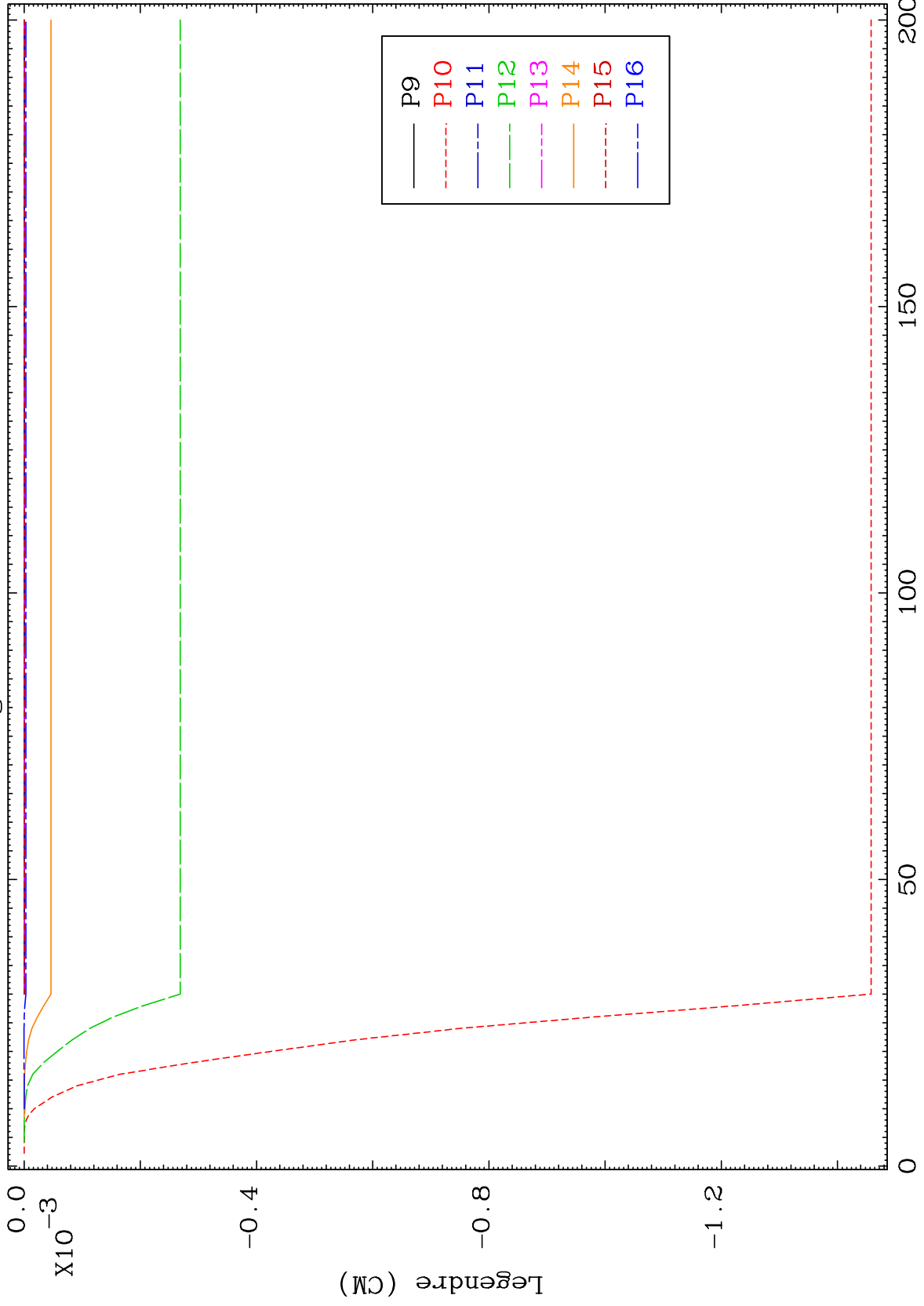


31 41-Nb-98

MAT 4140

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

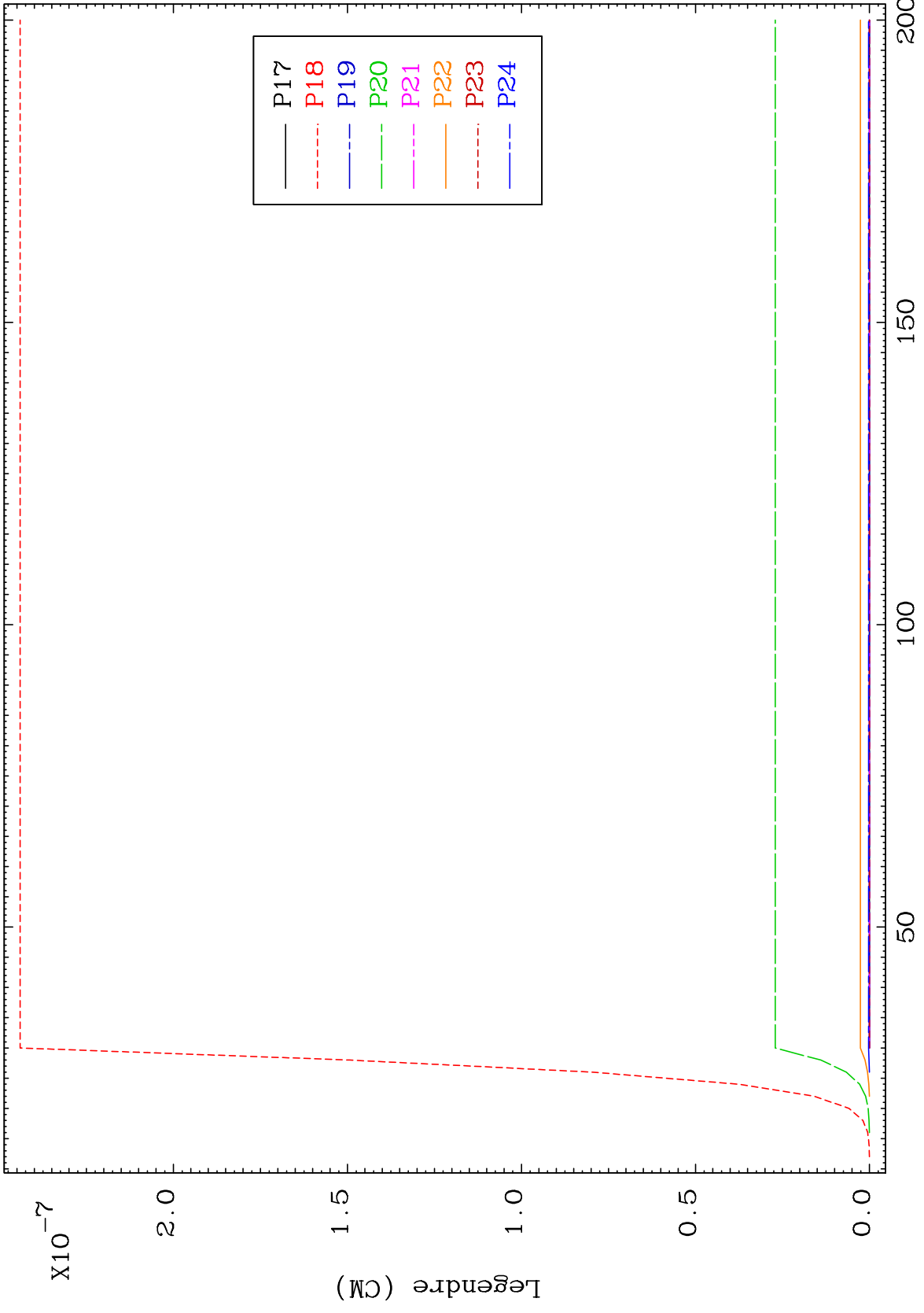
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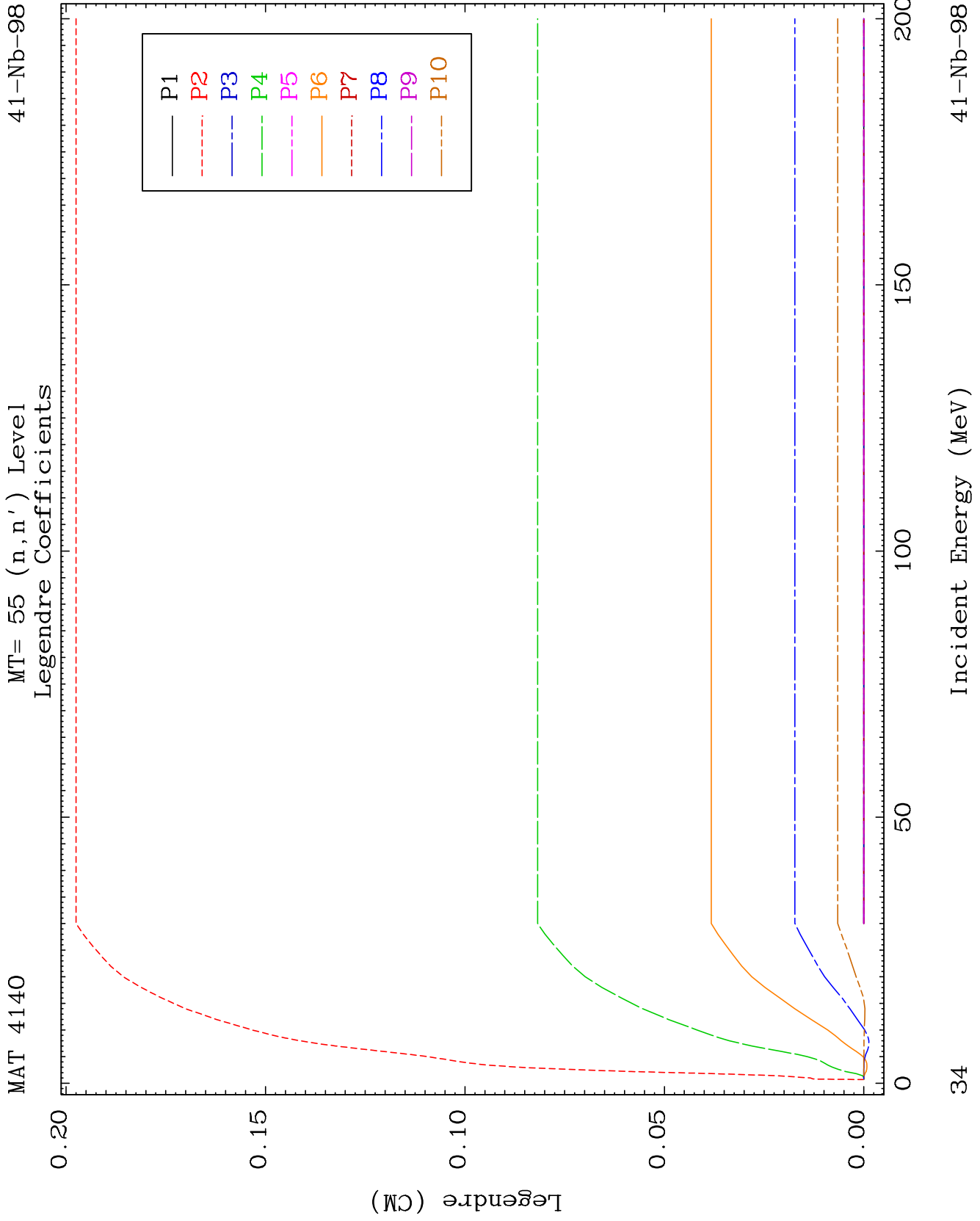


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Incident Energy (MeV)

32

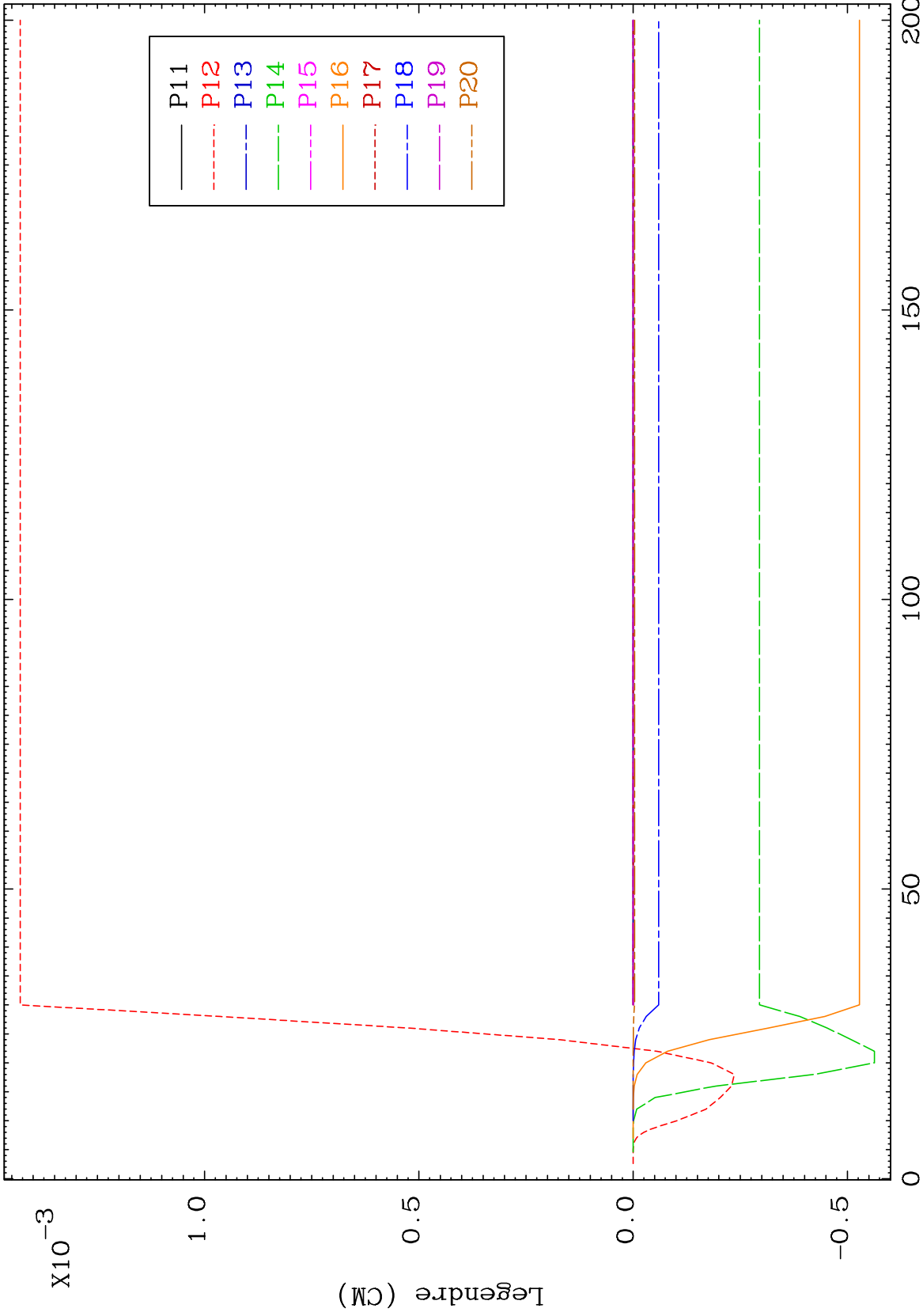




MAT 4140

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

41-Nb-98



35

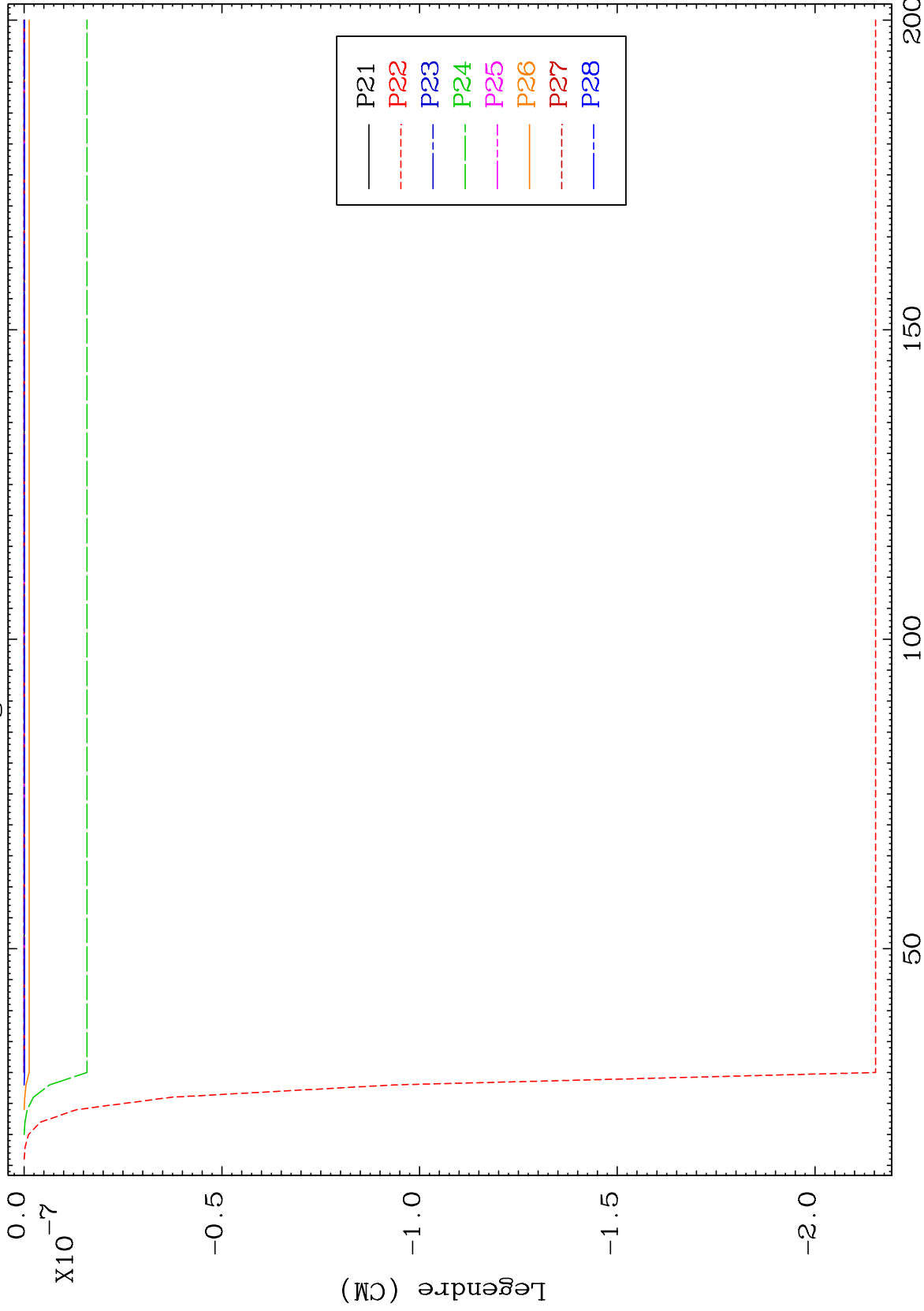
41-Nb-98

41-Nb-98

MAT 4140

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

41-Nb-98

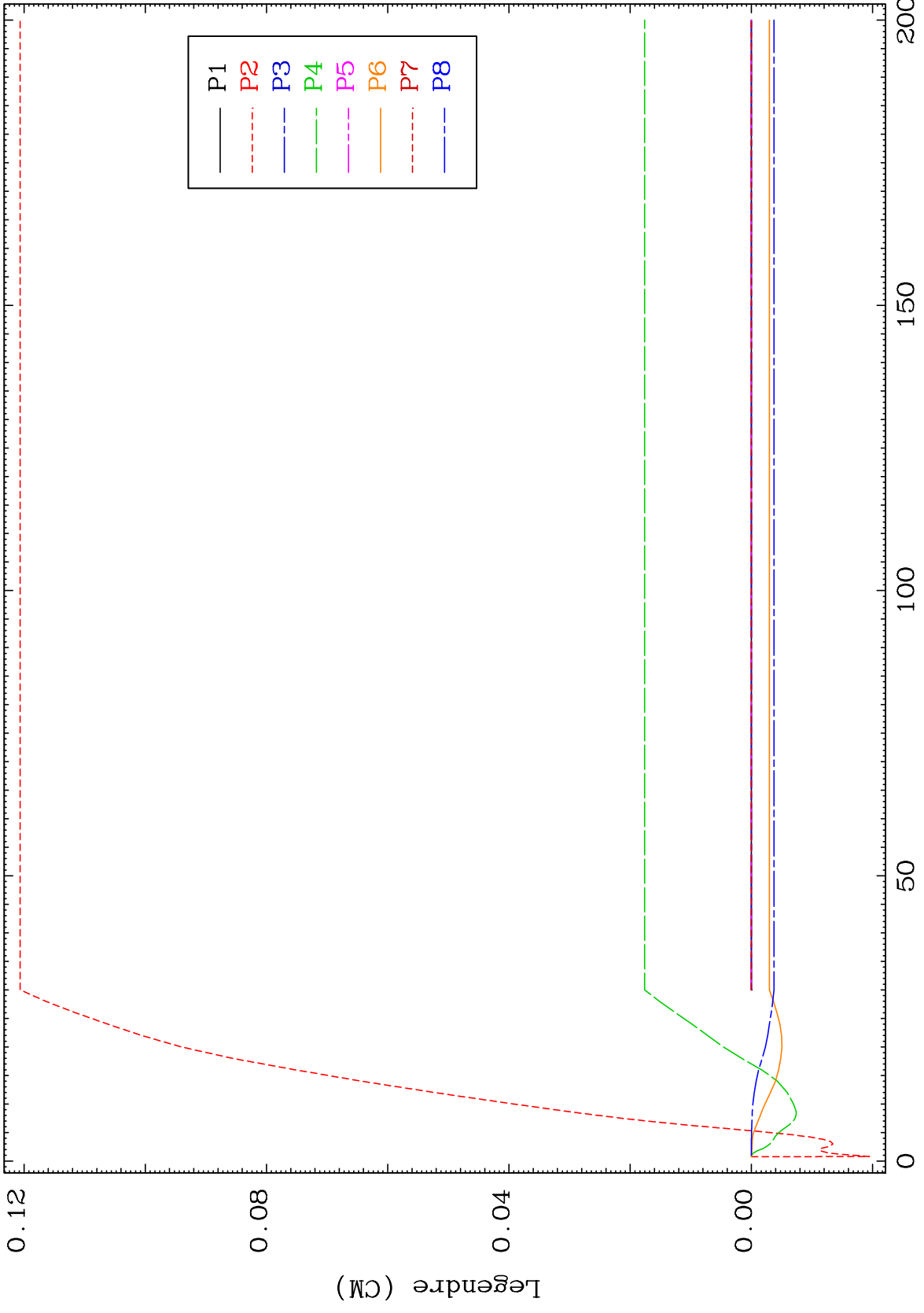


41-Nb-98

Incident Energy (MeV)

36

MAT 4140 MT= 56 (n,n') Level Legendre Coefficients 41-Nb-98

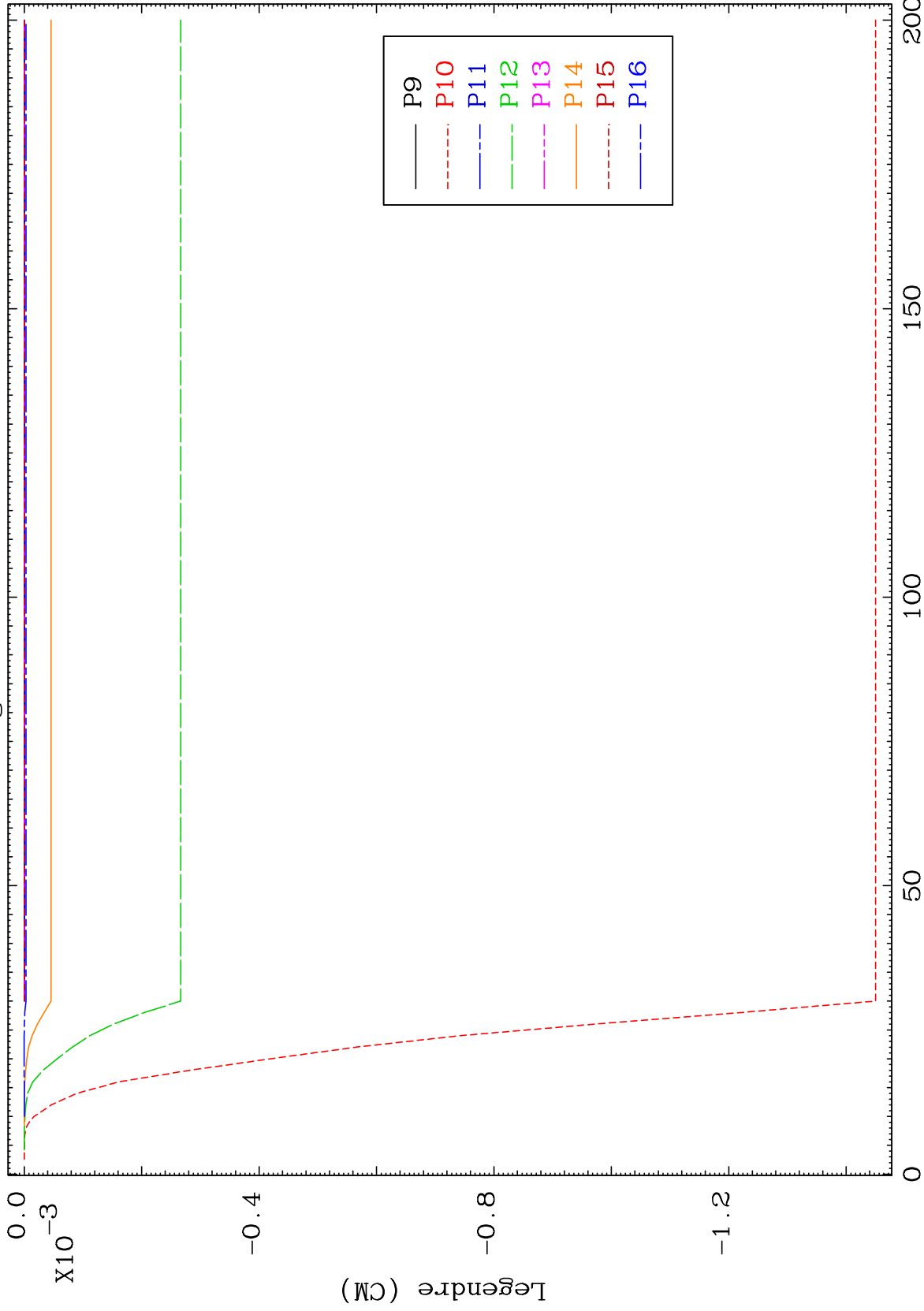


37 41-Nb-98

MAT 4140

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

41-Nb-98

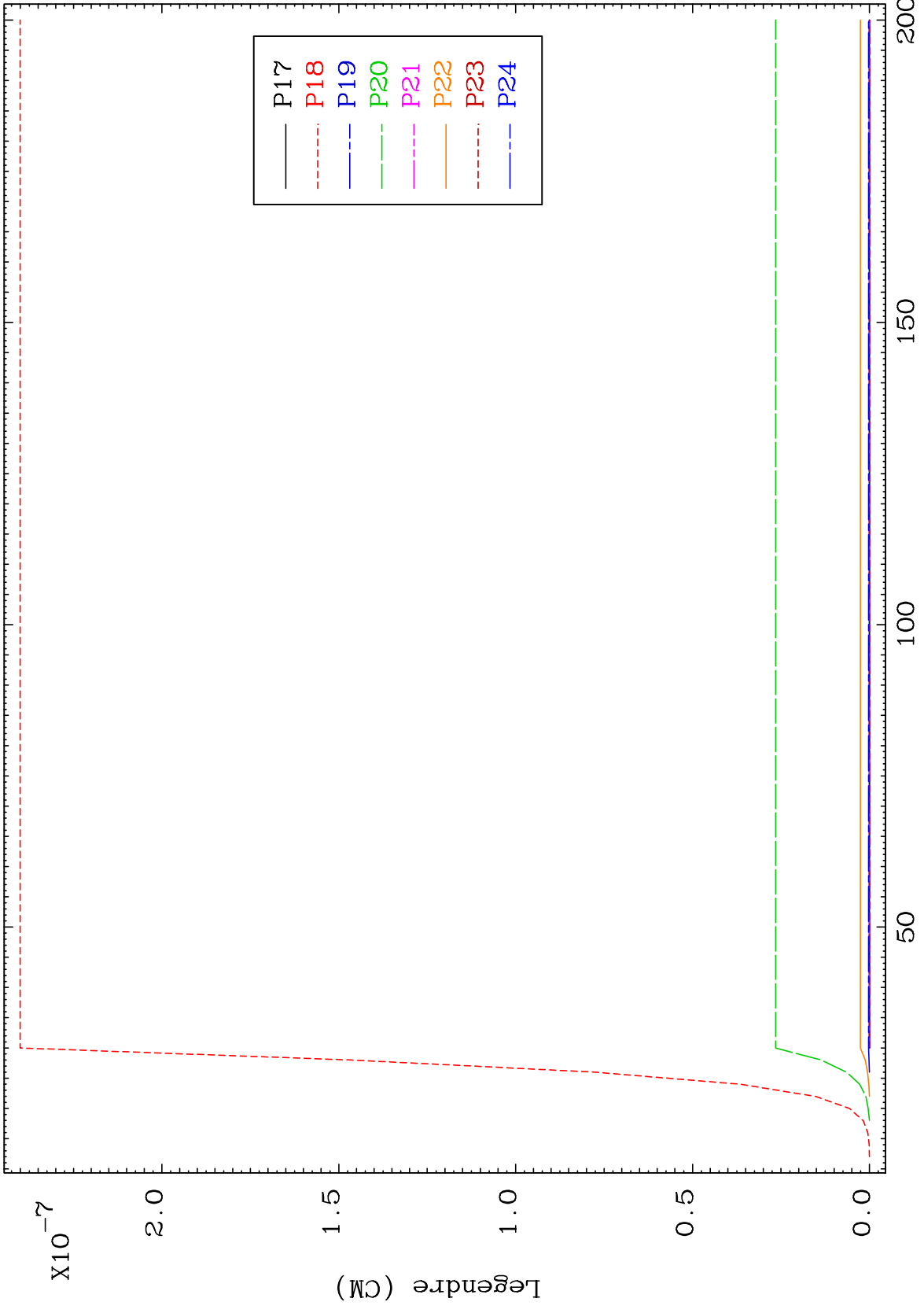


41-Nb-98

Incident Energy (MeV)

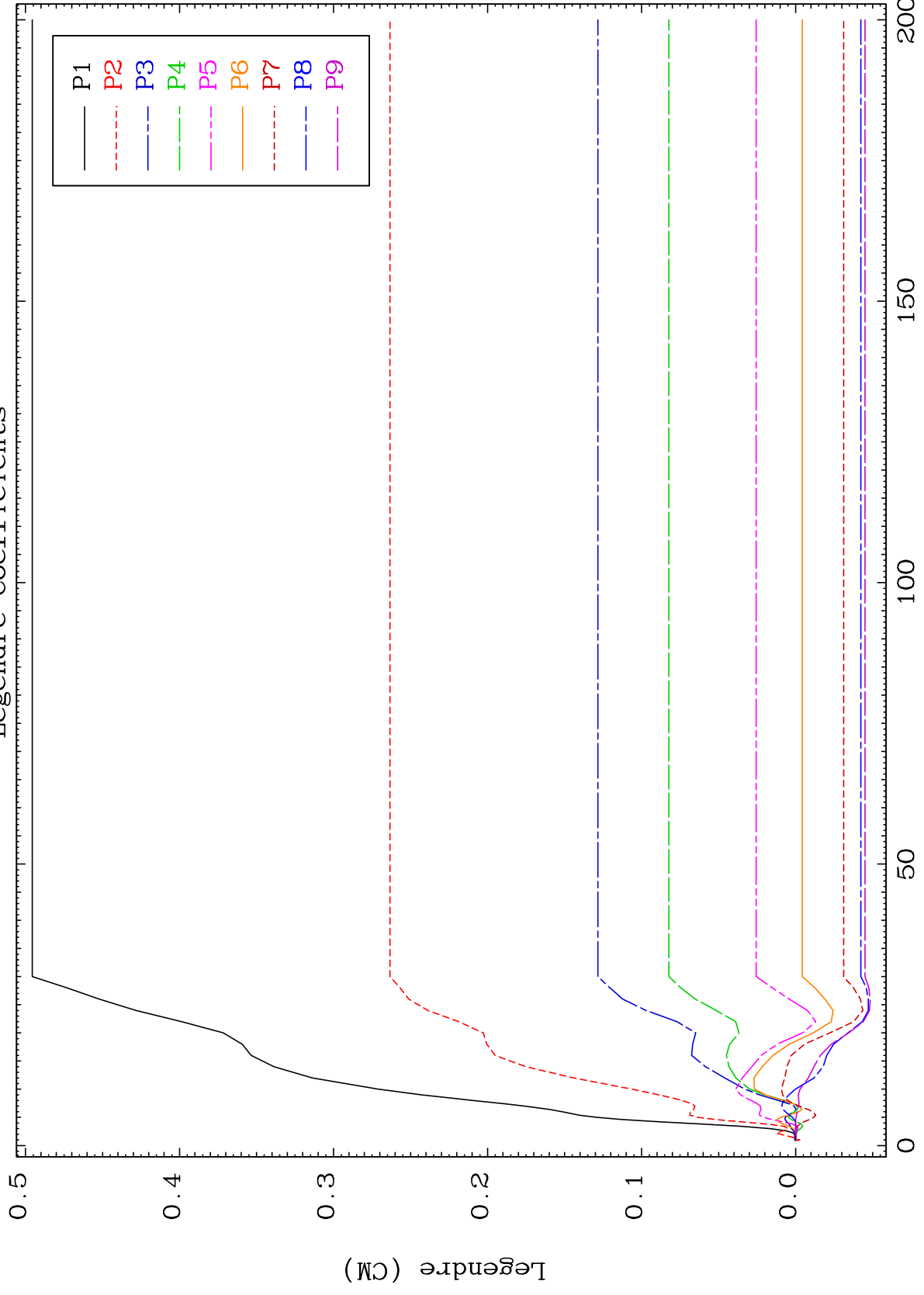
38

MAT 4140 MT= 56 (n,n') Level Legendre Coefficients 41-Nb-98



39 Incident Energy (MeV) 41-Nb-98

MAT 4140 MT= 57 (n,n') Level Legendre Coefficients 41-Nb-98

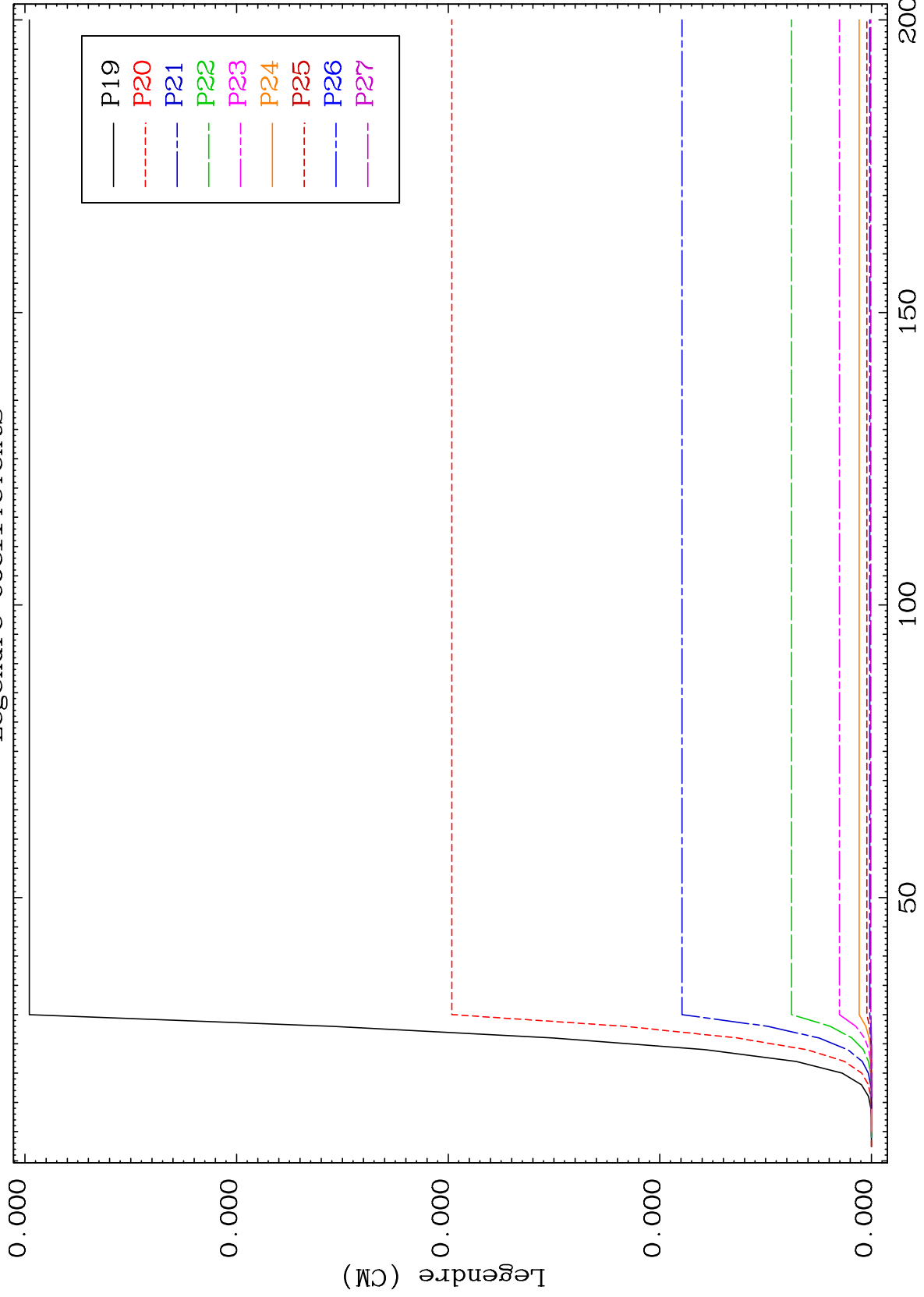


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MAT 4140

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

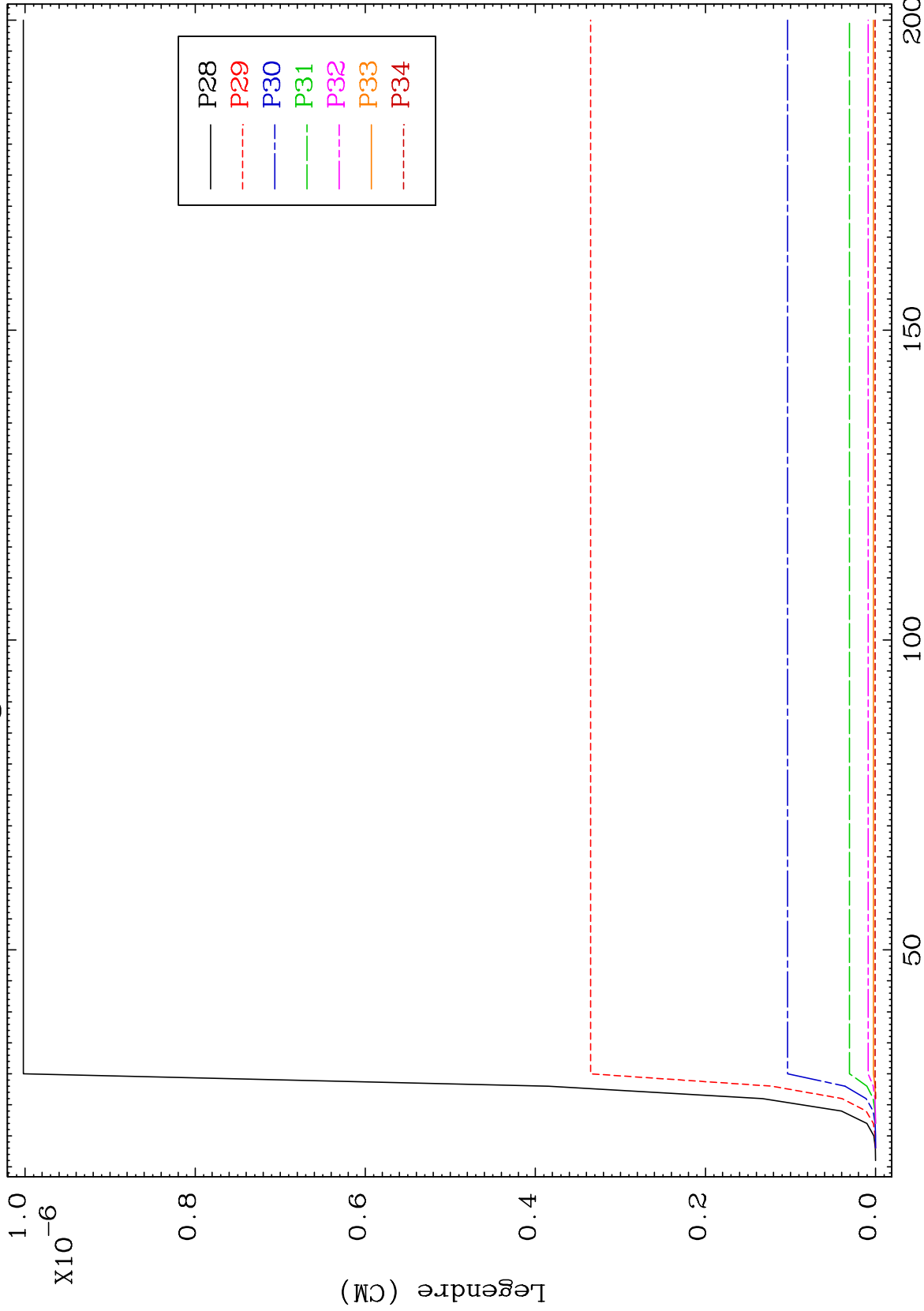
41-Nb-98



41-Nb-98

Incident Energy (MeV)

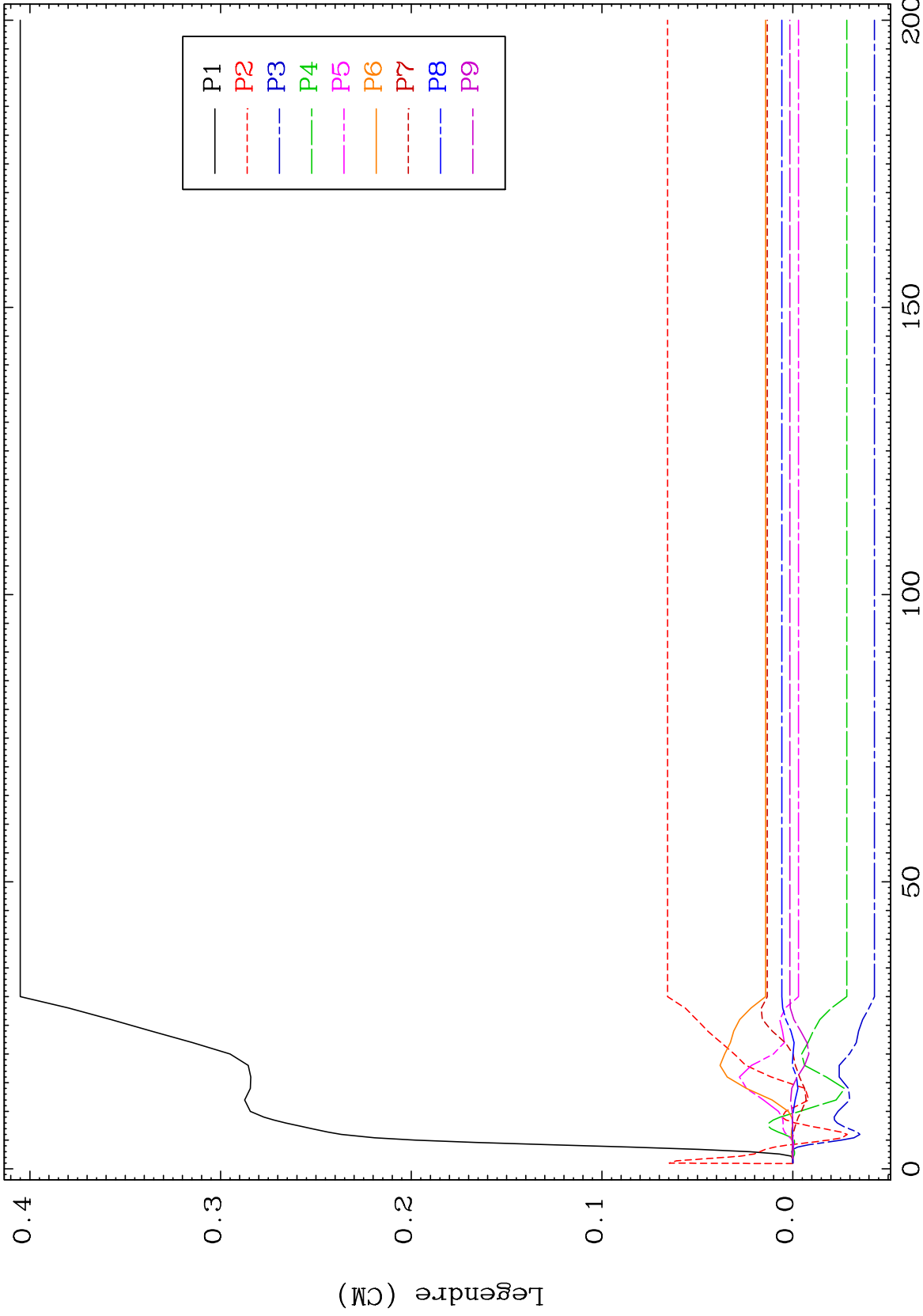
42



MAT 4140

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

41-Nb-98



44

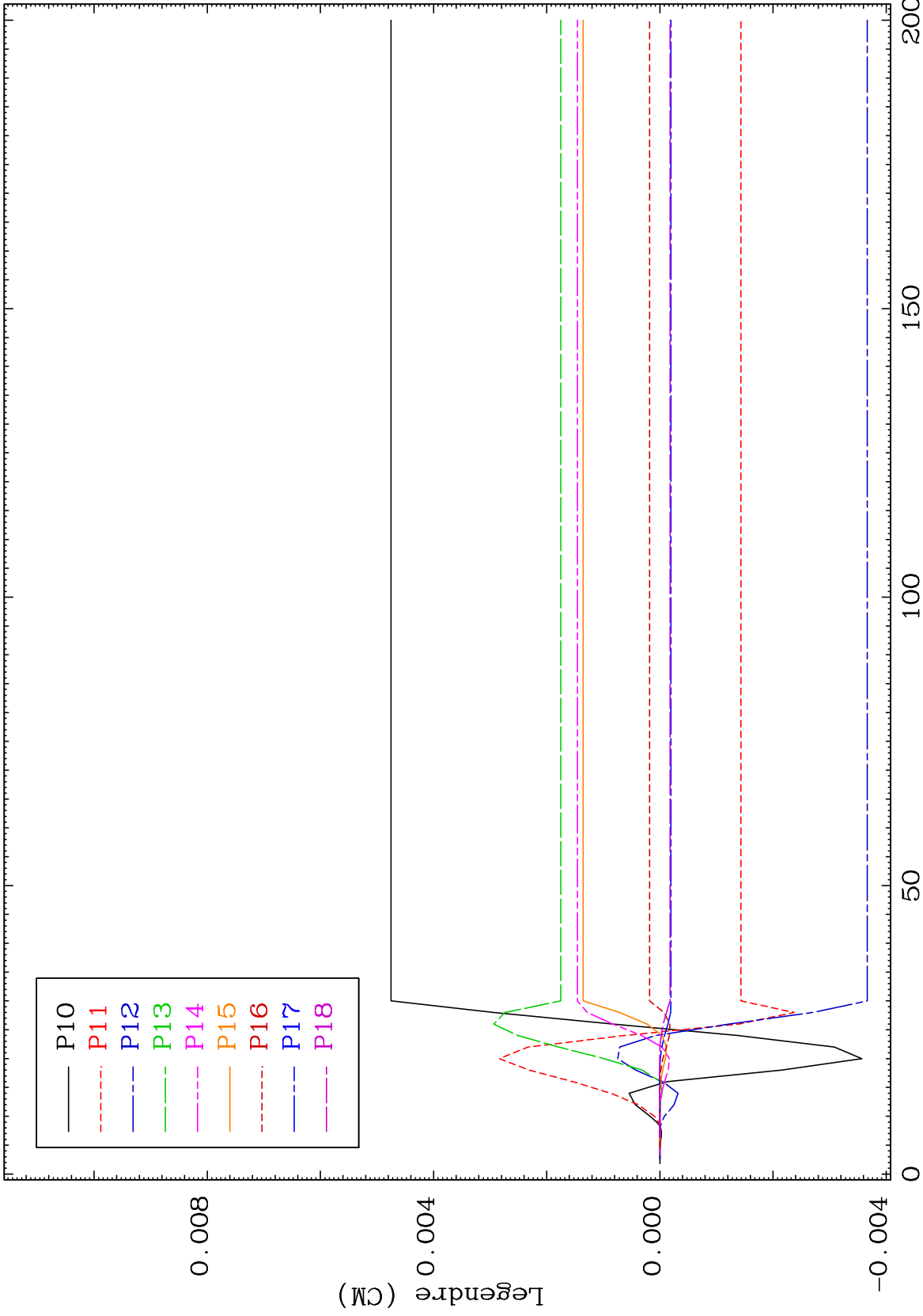
Incident Energy (MeV)

41-Nb-98

MAT 4140

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

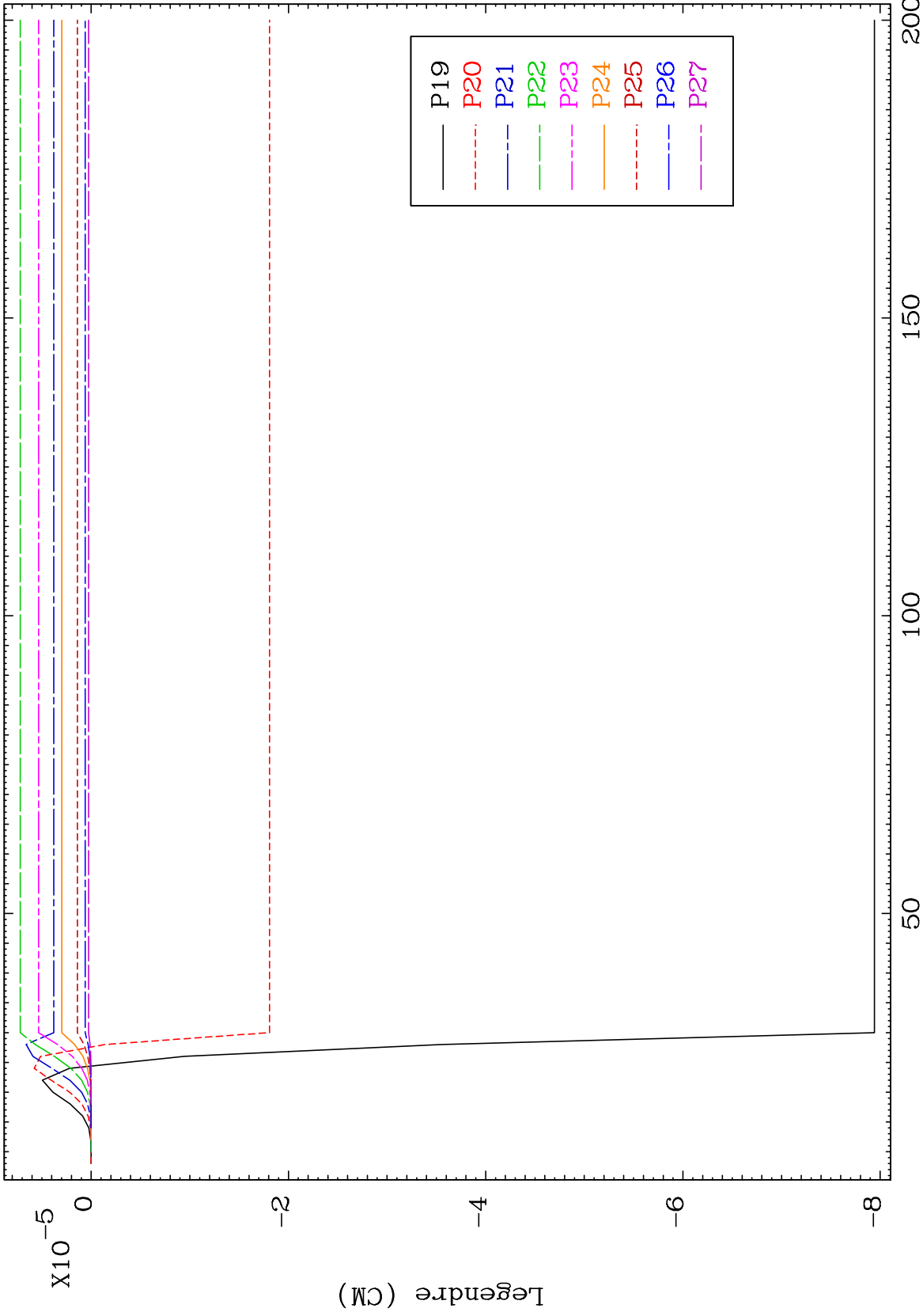
41-Nb-98



45

Incident Energy (MeV)

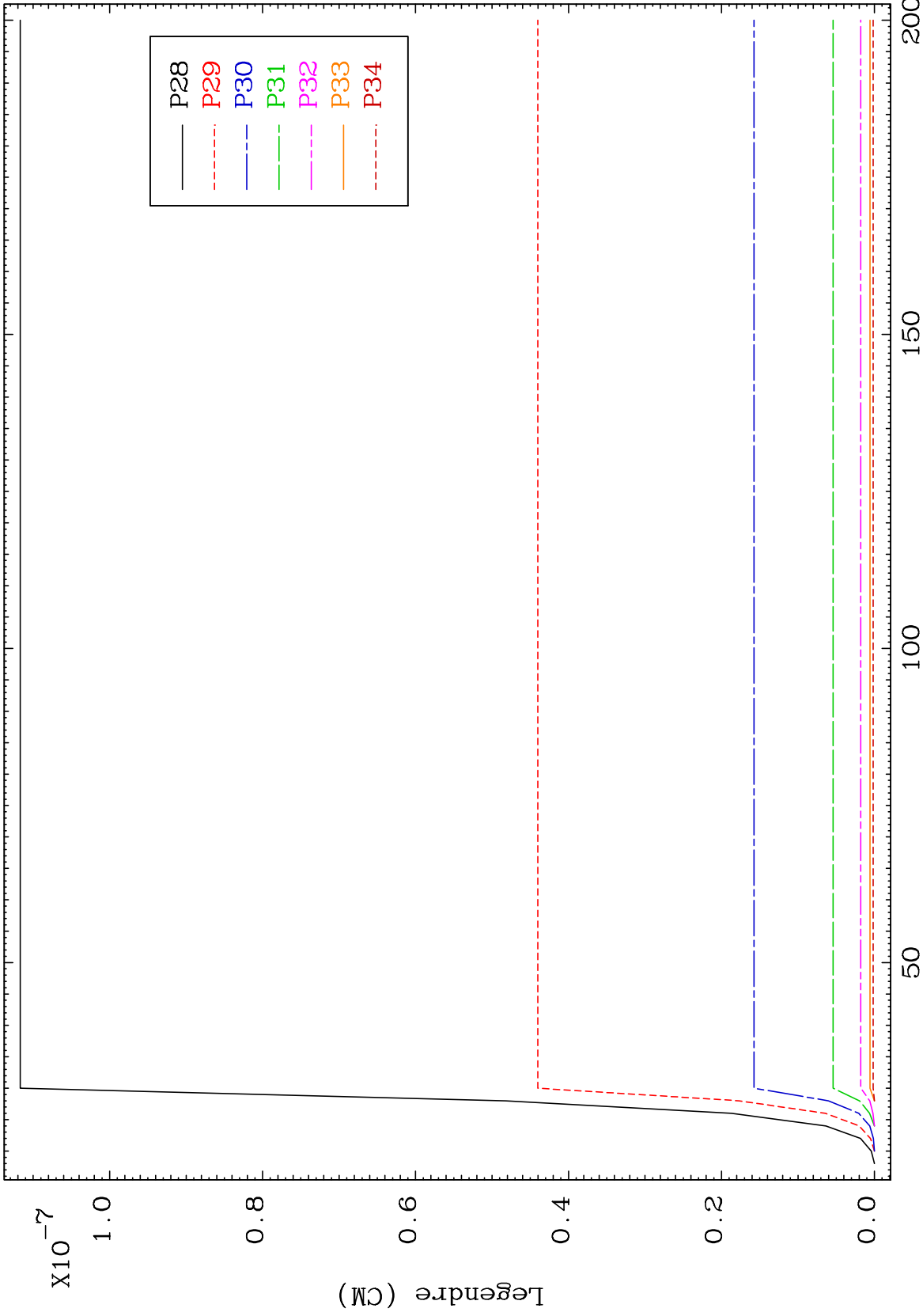
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MAT 4140

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

41-Nb-98

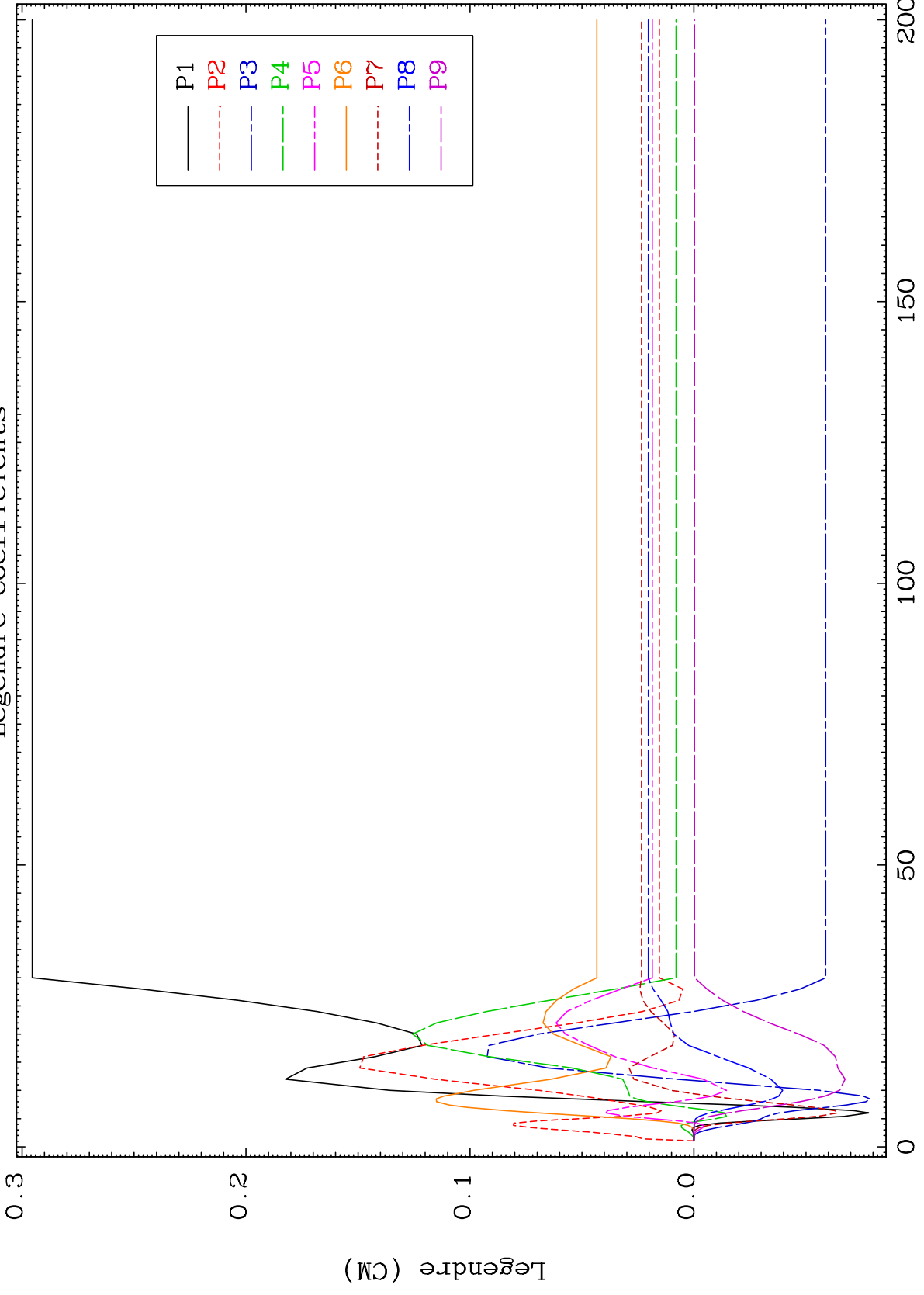


47

Incident Energy (MeV)

41-Nb-98

MAT 4140 MT= 59 (n,n') Level Legendre Coefficients 41-Nb-98

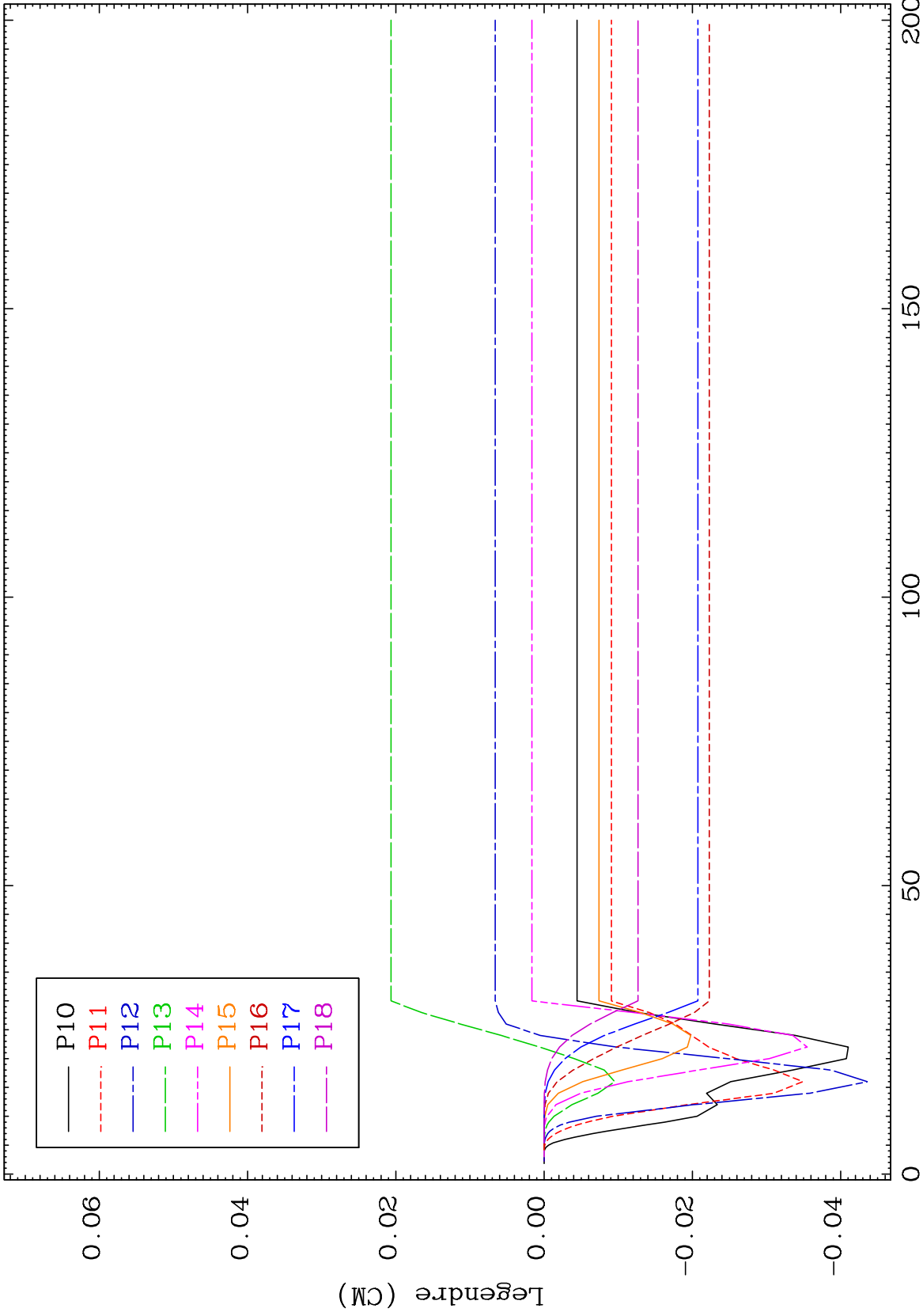


48 41-Nb-98

MAT 4140

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

41-Nb-98

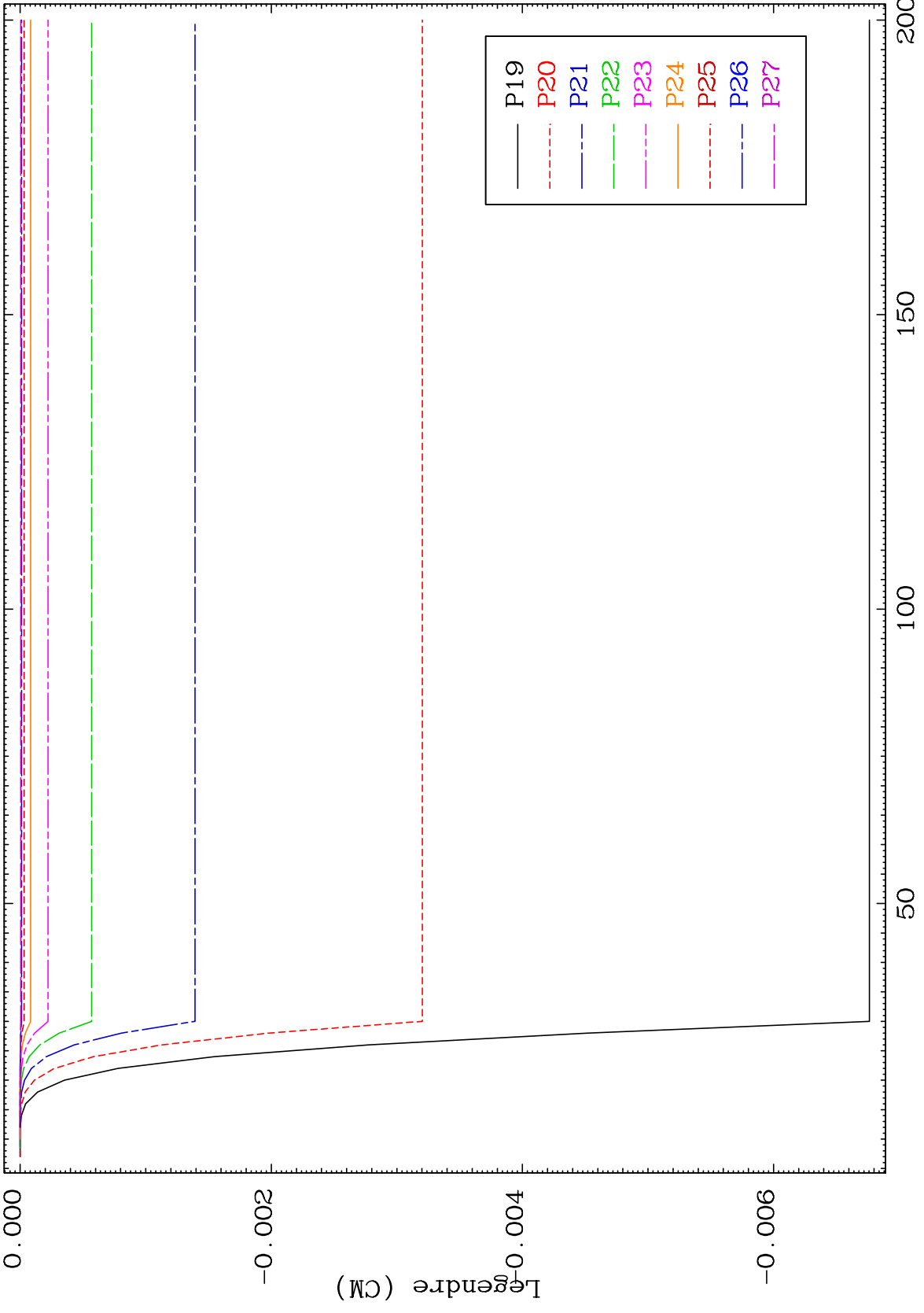


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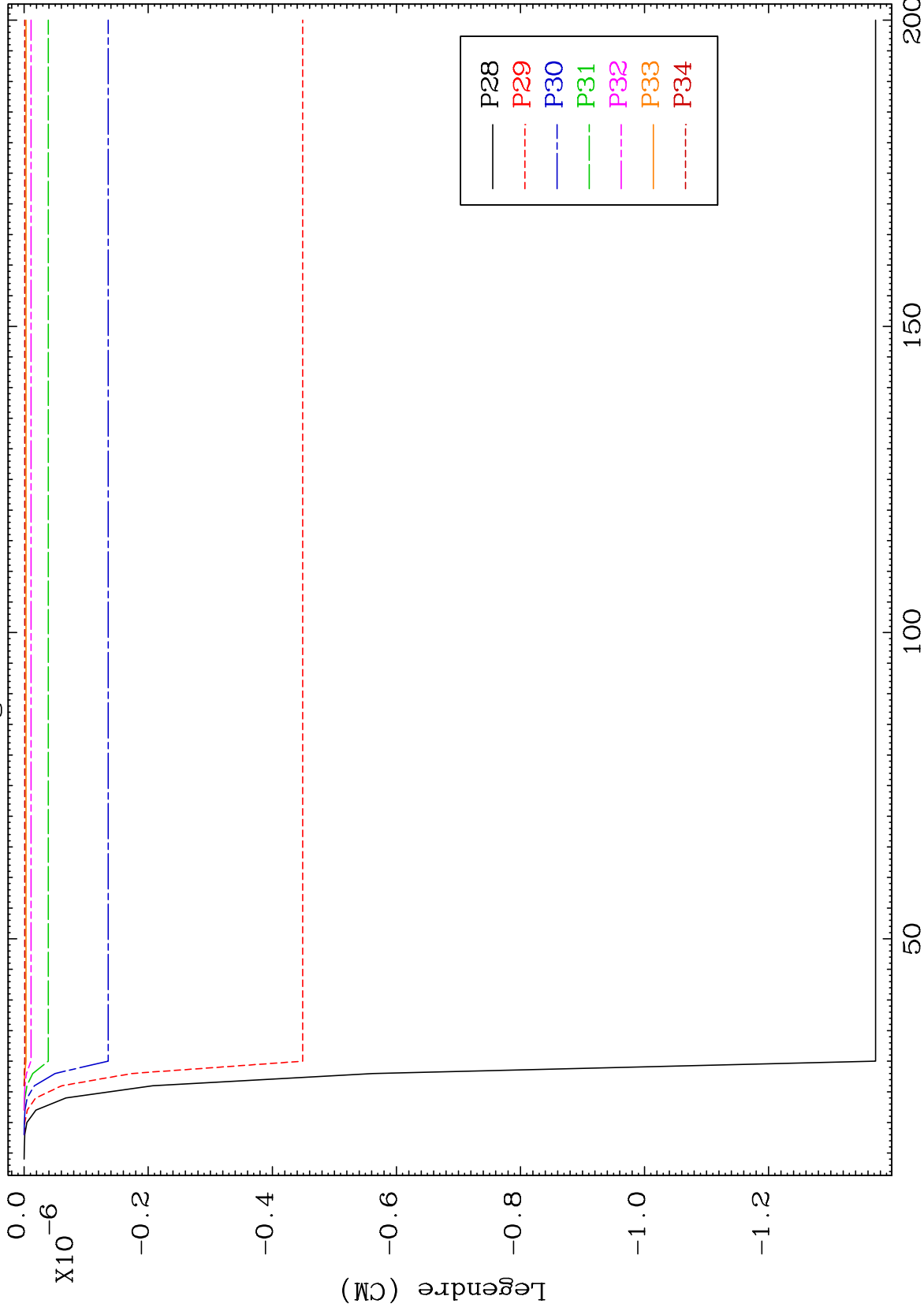
Incident Energy (MeV)

41-Nb-98

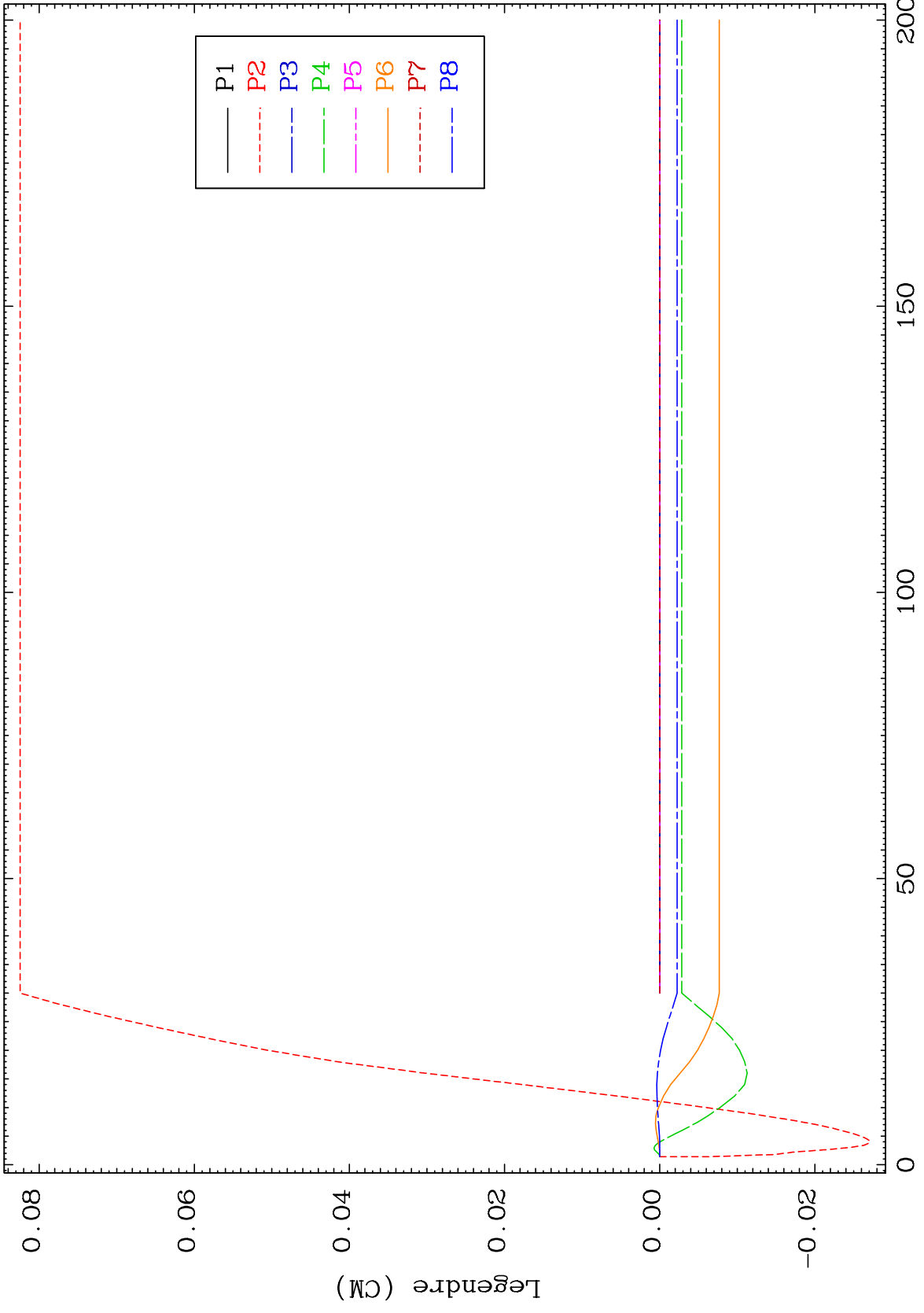
MAT 4140 MT= 59 (n,n') Level Legendre Coefficients 41-Nb-98



50 100 150 200 Incident Energy (MeV) 41-Nb-98



MAT 4140 MT= 60 (n,n') Level Legendre Coefficients 41-Nb-98

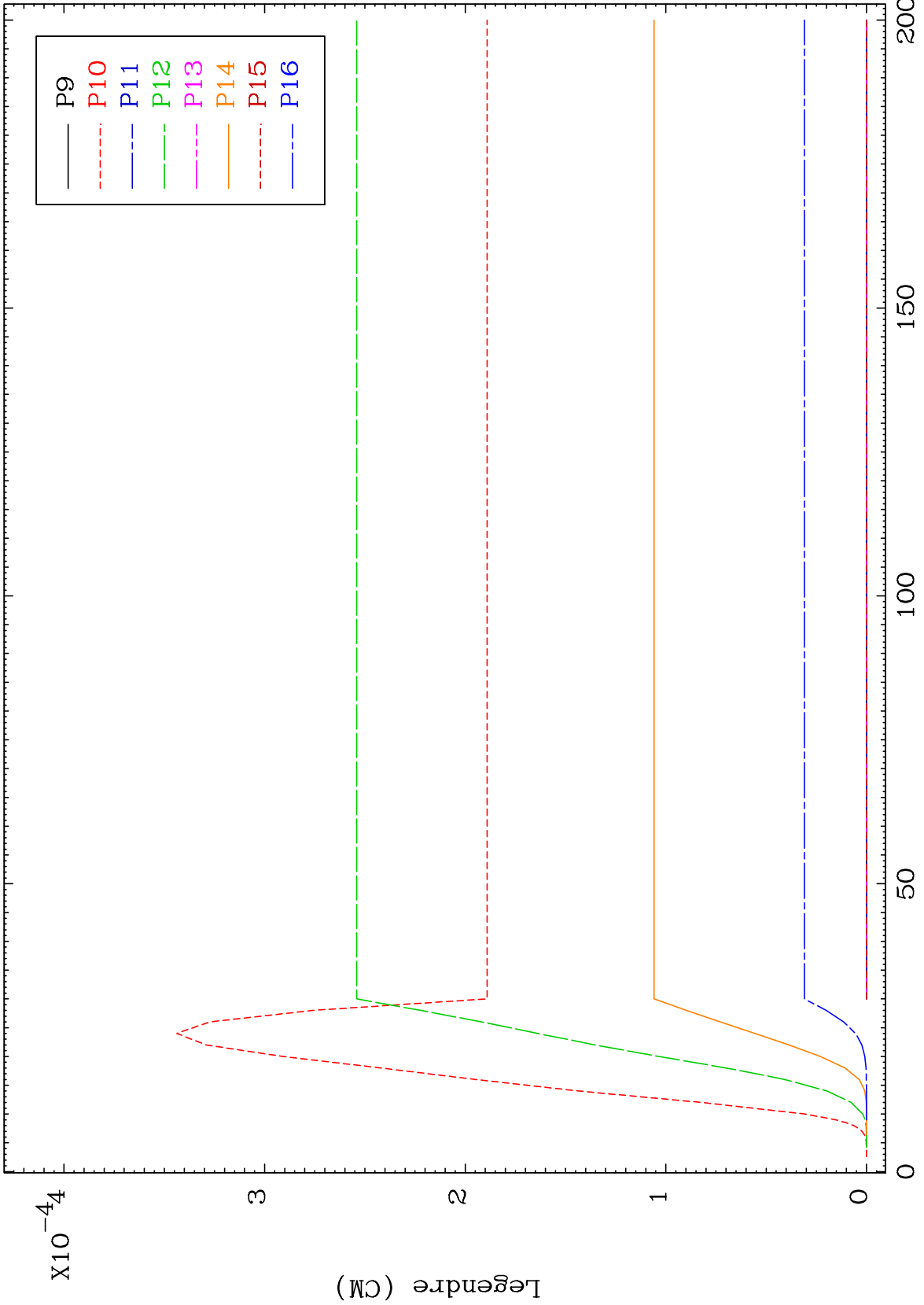


52 Incident Energy (MeV) 41-Nb-98

MAT 4140

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

41-Nb-98

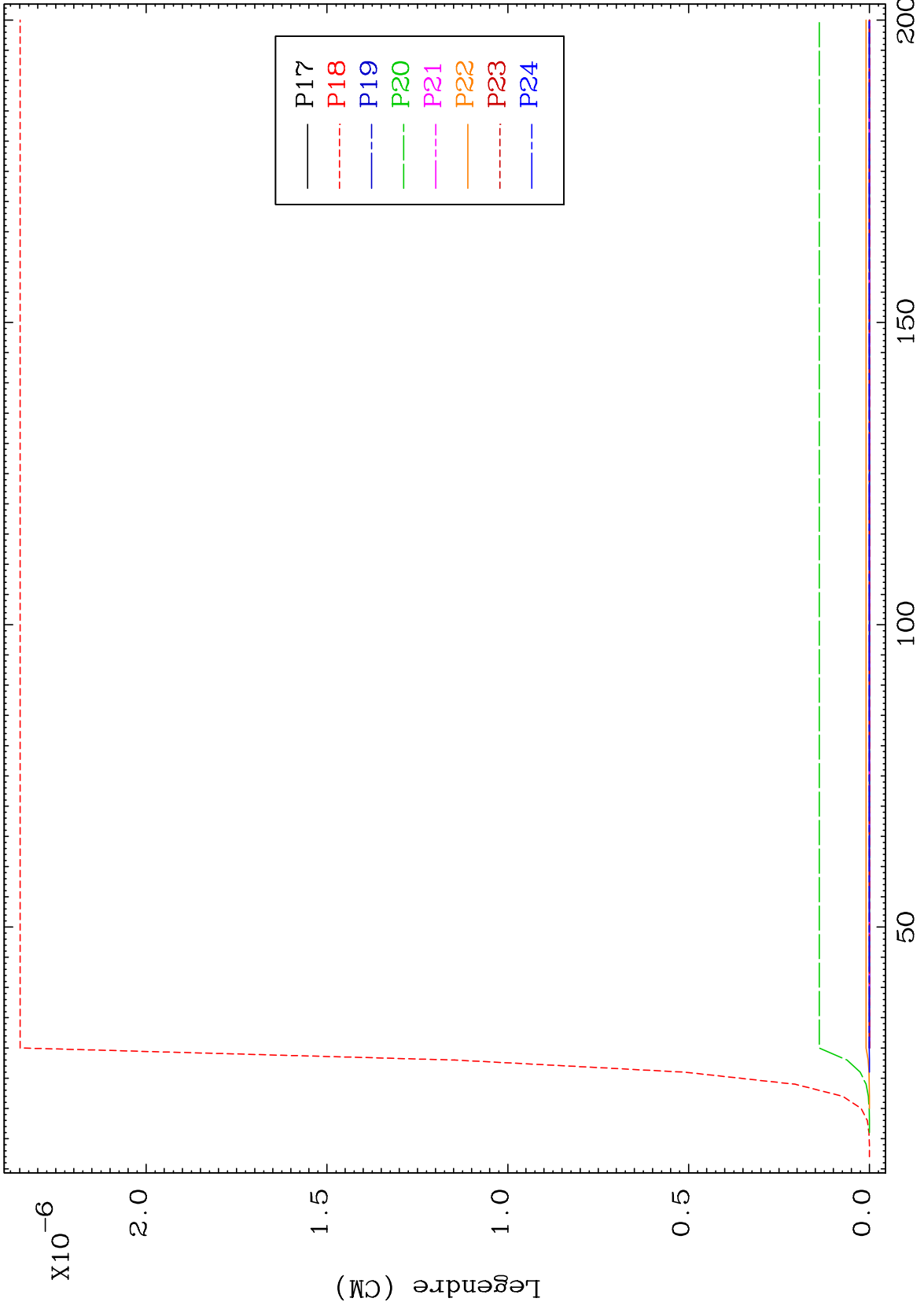


53

Incident Energy (MeV)

41-Nb-98

MAT 4140 MT= 60 (n,n') Level Legendre Coefficients 41-Nb-98

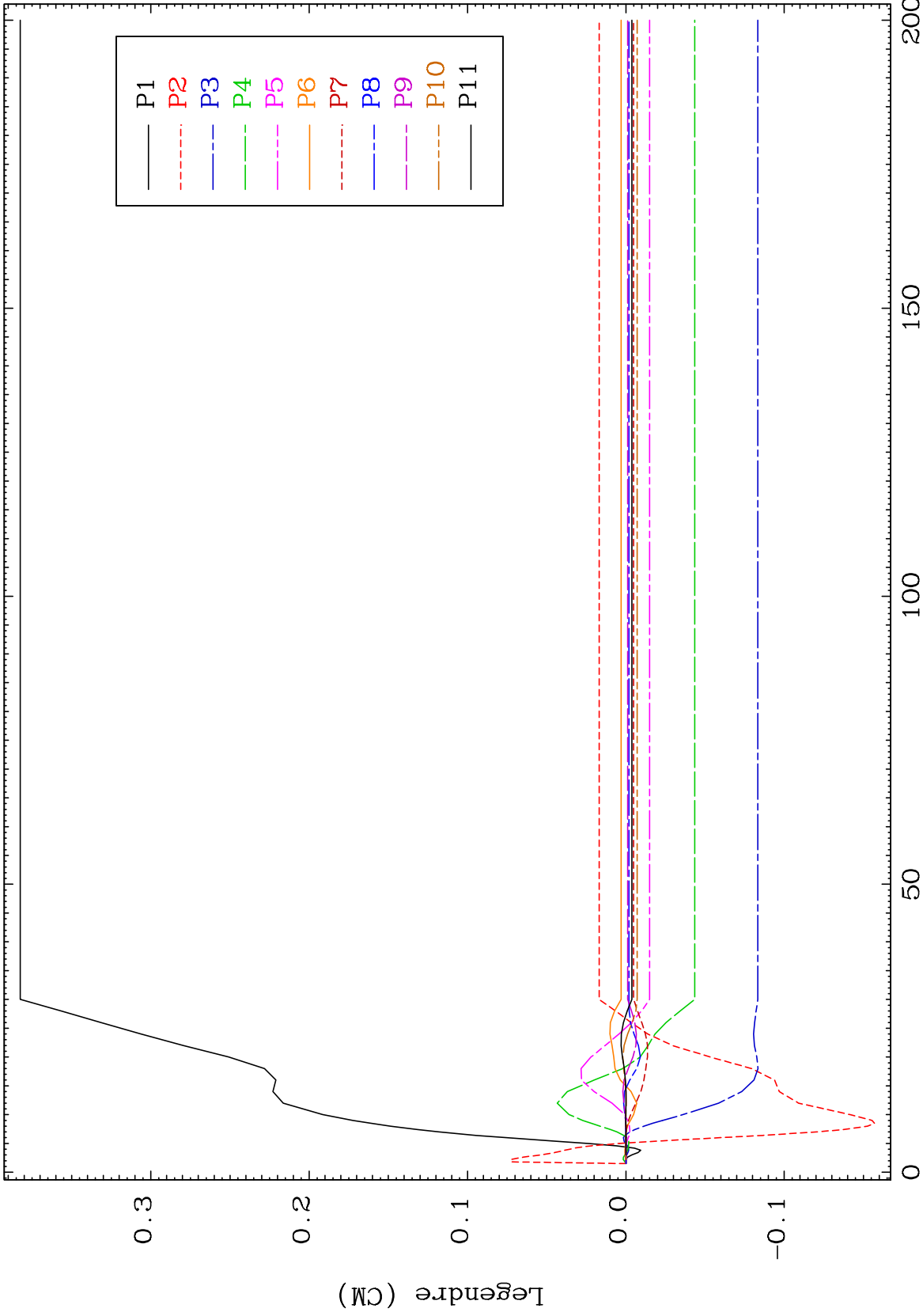


54 Incident Energy (MeV) 41-Nb-98

MAT 4140

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

41-Nb-98



55

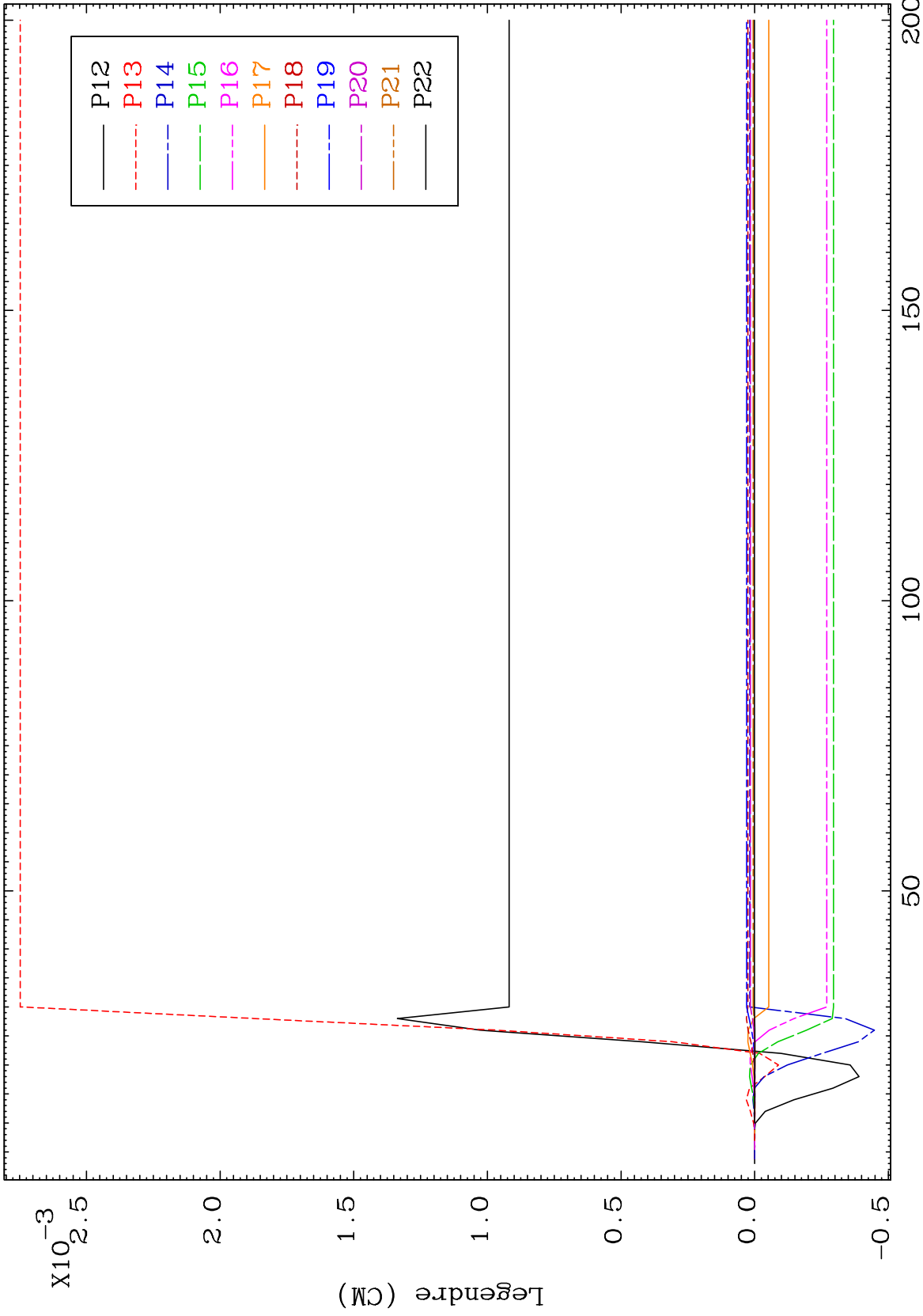
Incident Energy (MeV)

41-Nb-98

MAT 4140

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

41-Nb-98



56

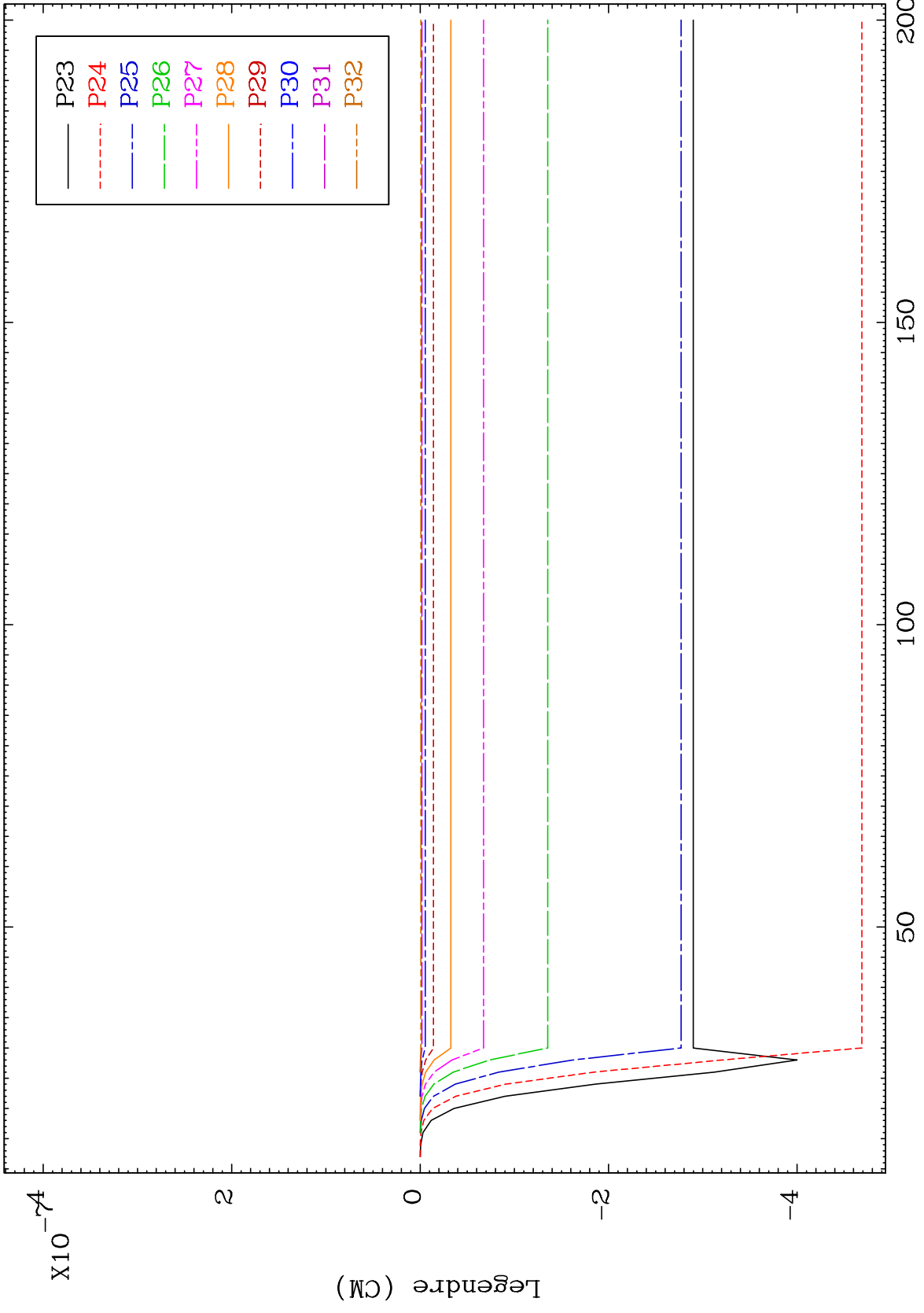
Incident Energy (MeV)

41-Nb-98

MAT 4140

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

41-Nb-98

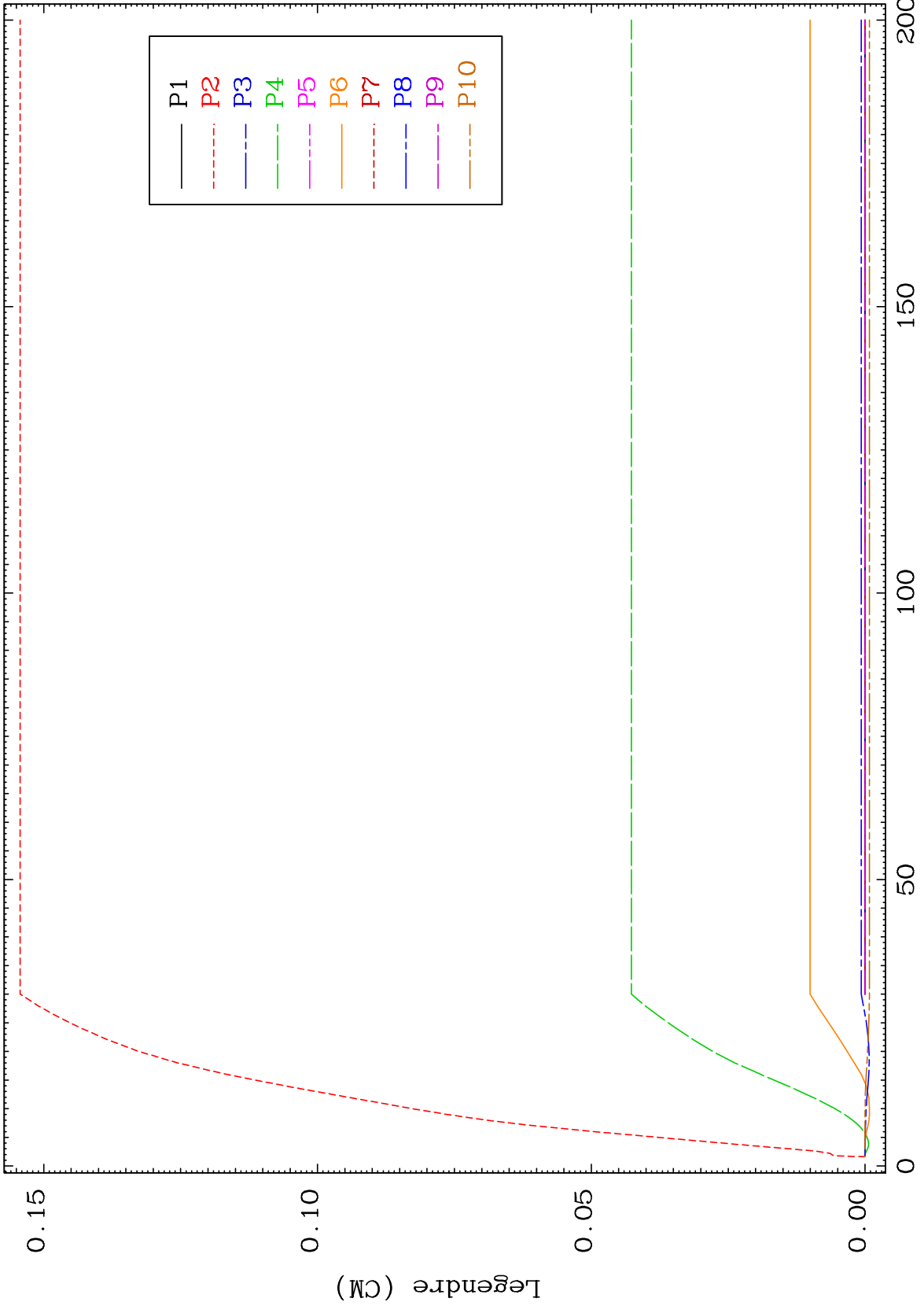


57

Incident Energy (MeV)

41-Nb-98

MAT 4140 MT= 62 (n,n') Level Legendre Coefficients 41-Nb-98

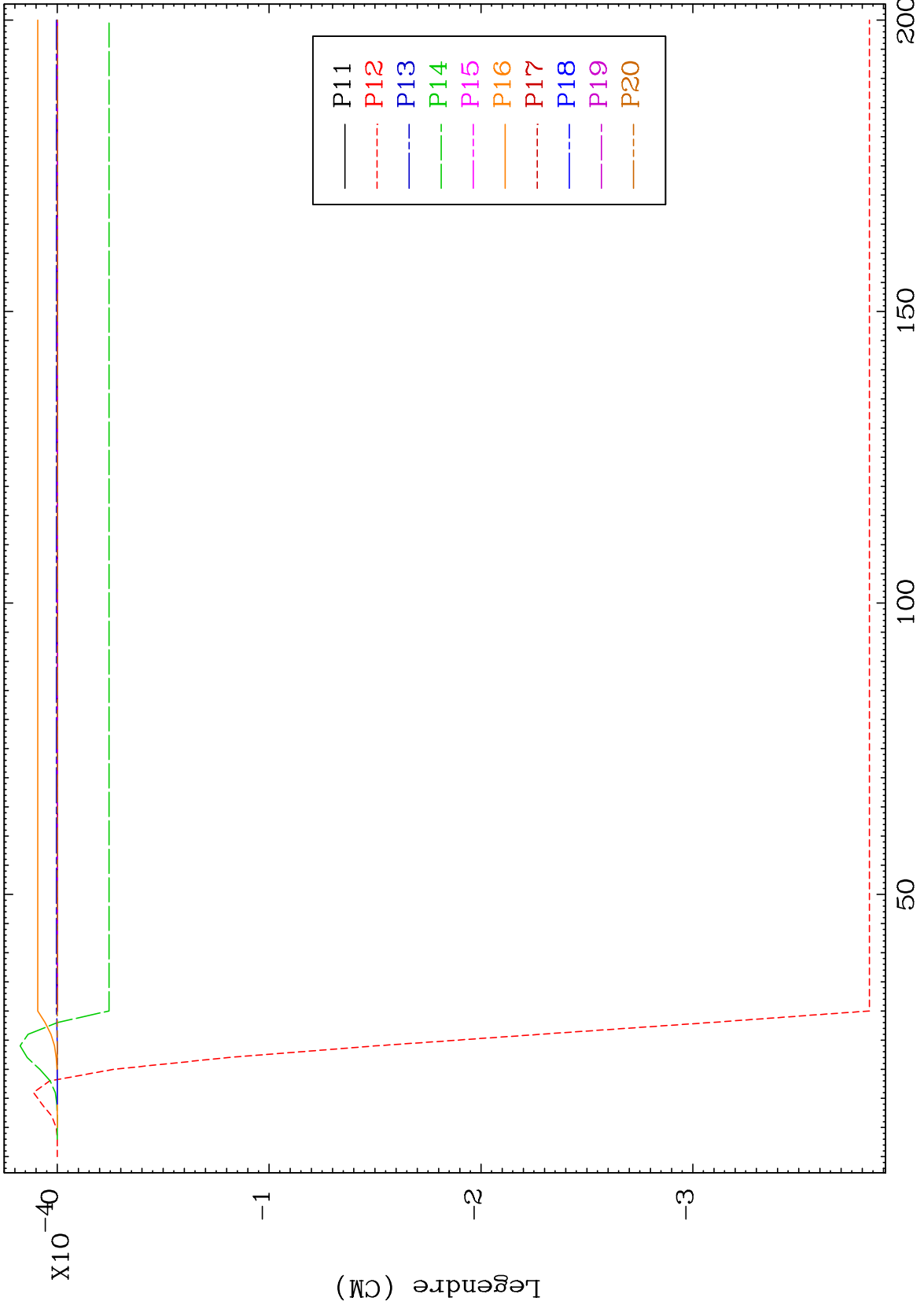


58 41-Nb-98

MAT 4140

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

41-Nb-98



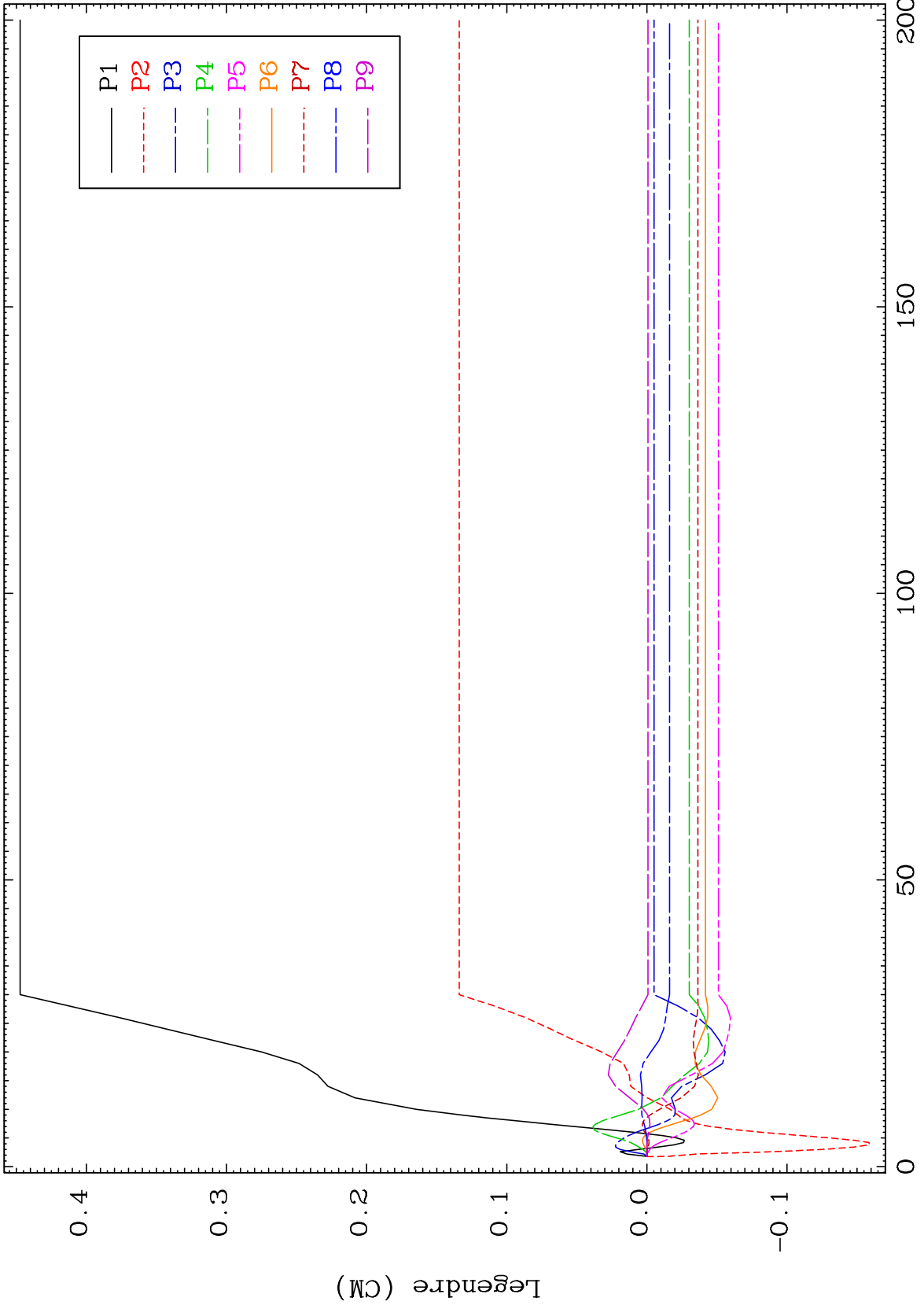
59

41-Nb-98

MAT 4140

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

41-Nb-98



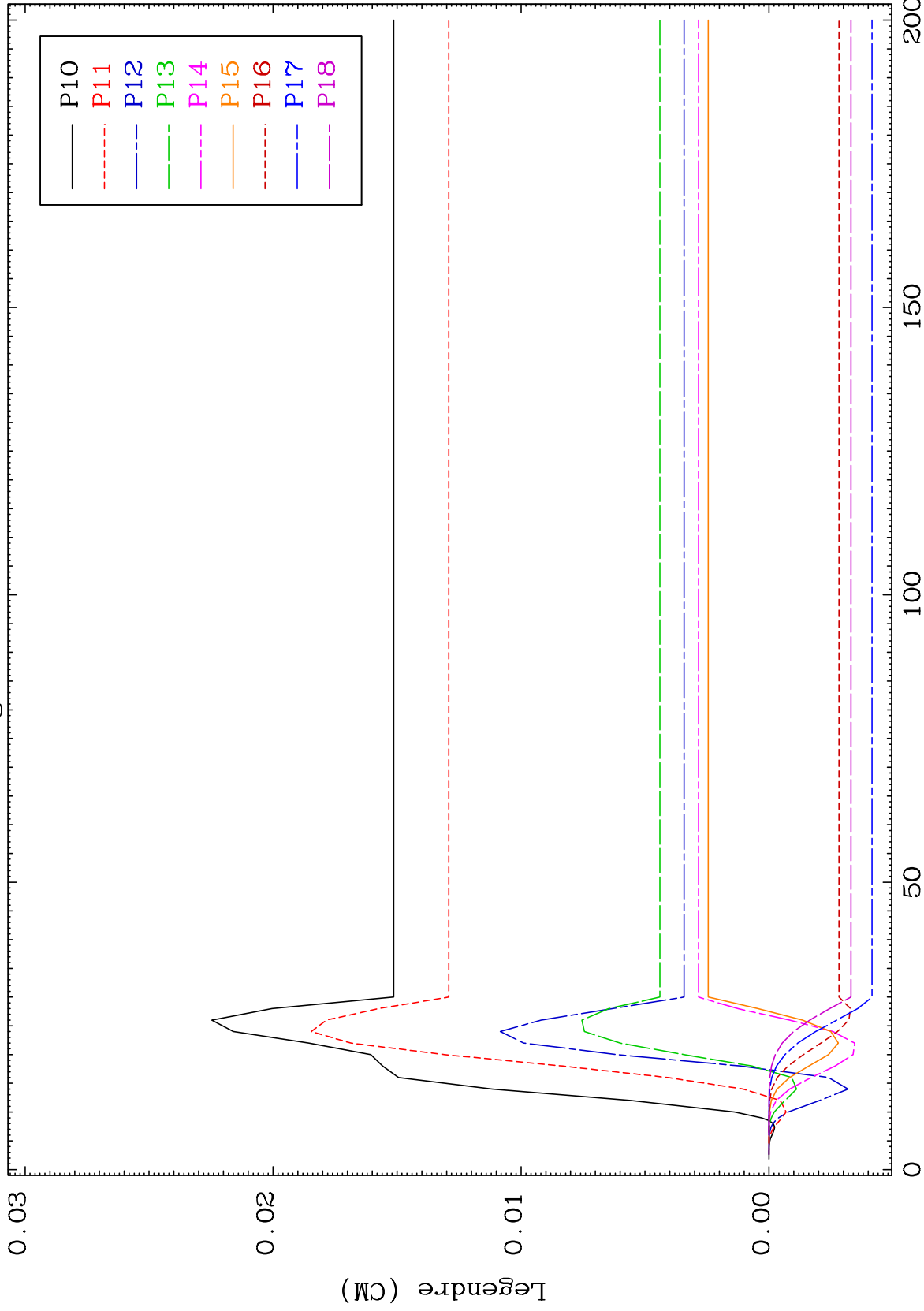
41-Nb-98

Incident Energy (MeV)

MAT 4140

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

41-Nb-98



61

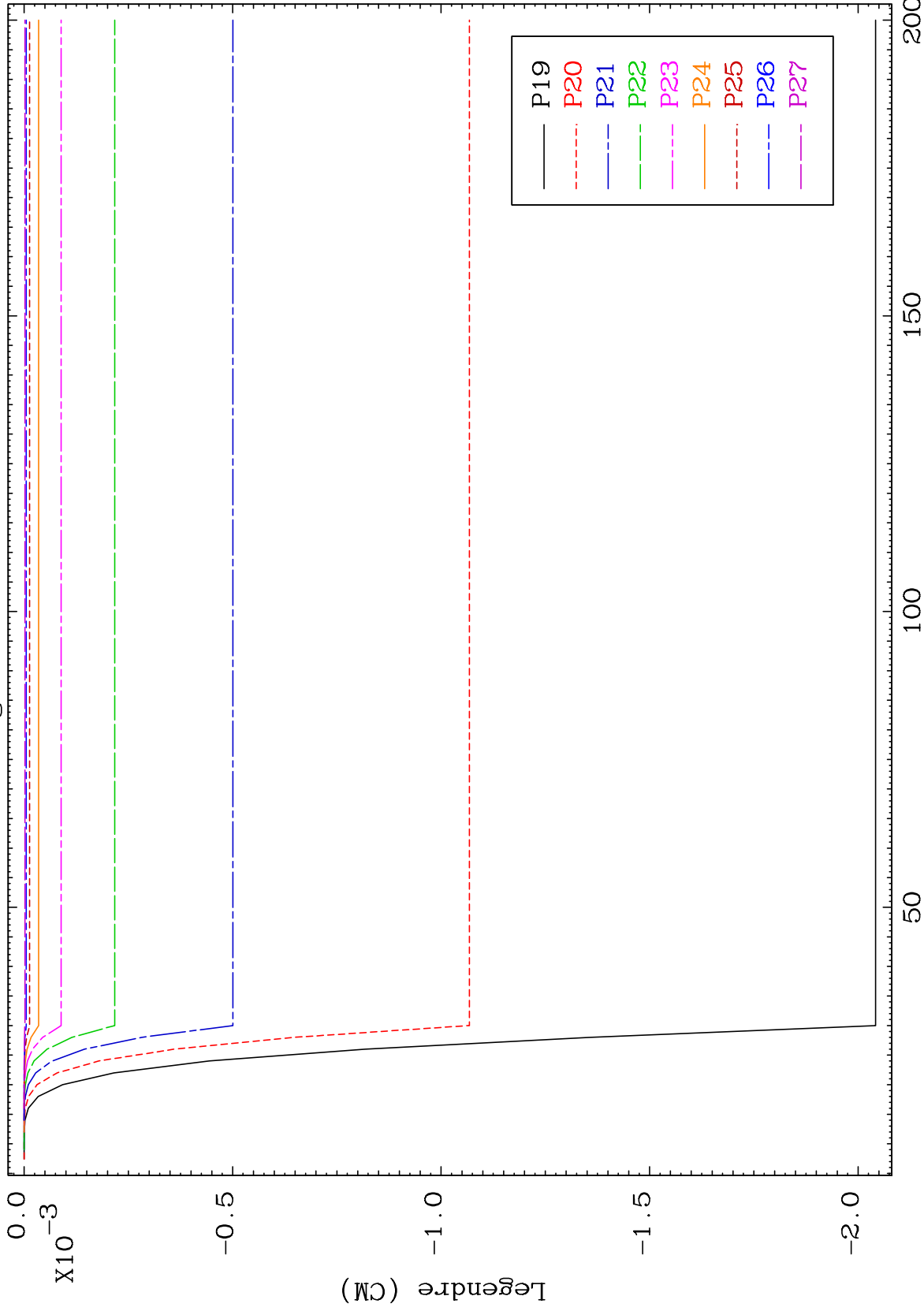
Incident Energy (MeV)

41-Nb-98

MAT 4140

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

41-Nb-98

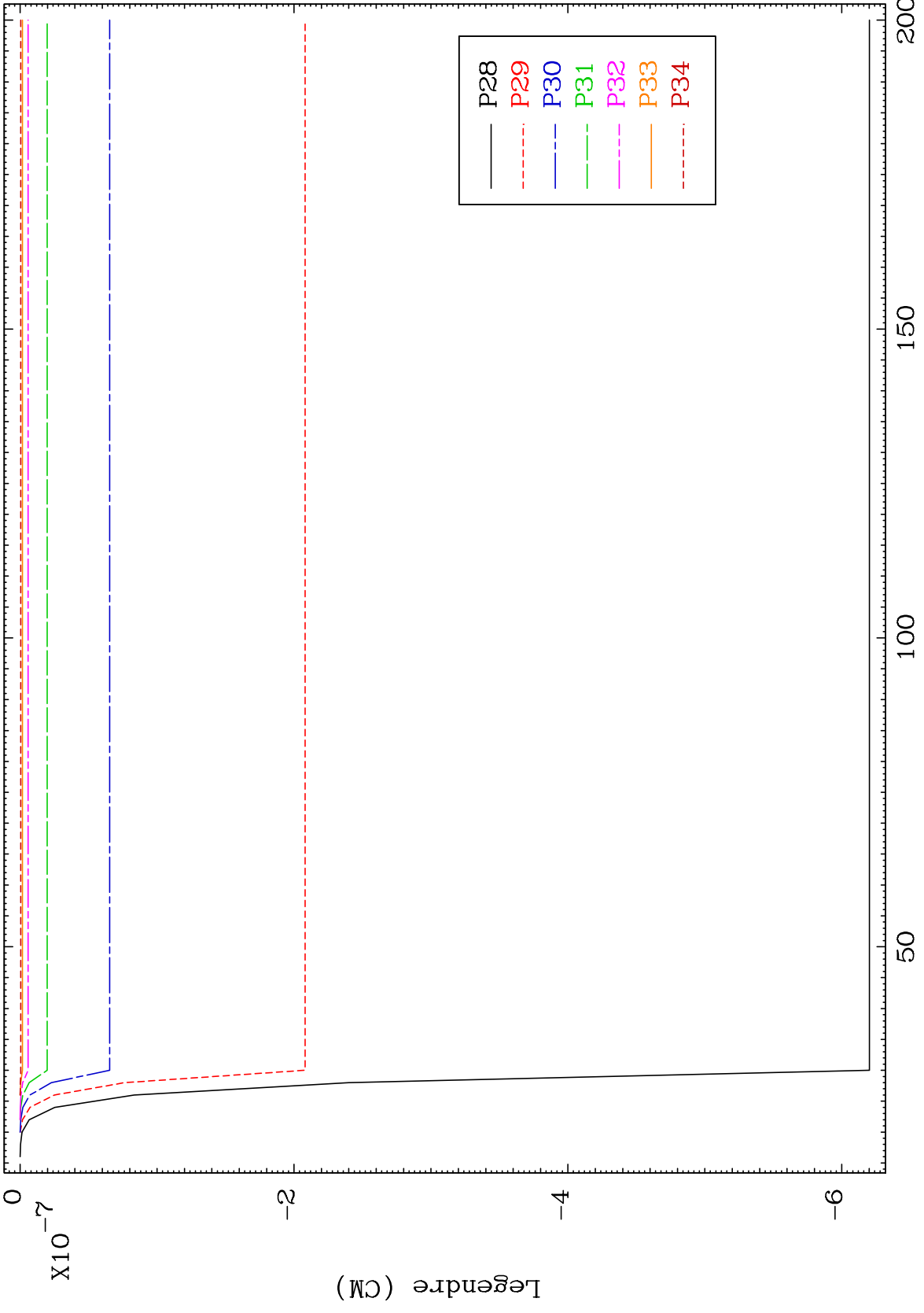


41-Nb-98

Incident Energy (MeV)

62

MAT 4140 MT= 63 (n,n') Level Legendre Coefficients 41-Nb-98

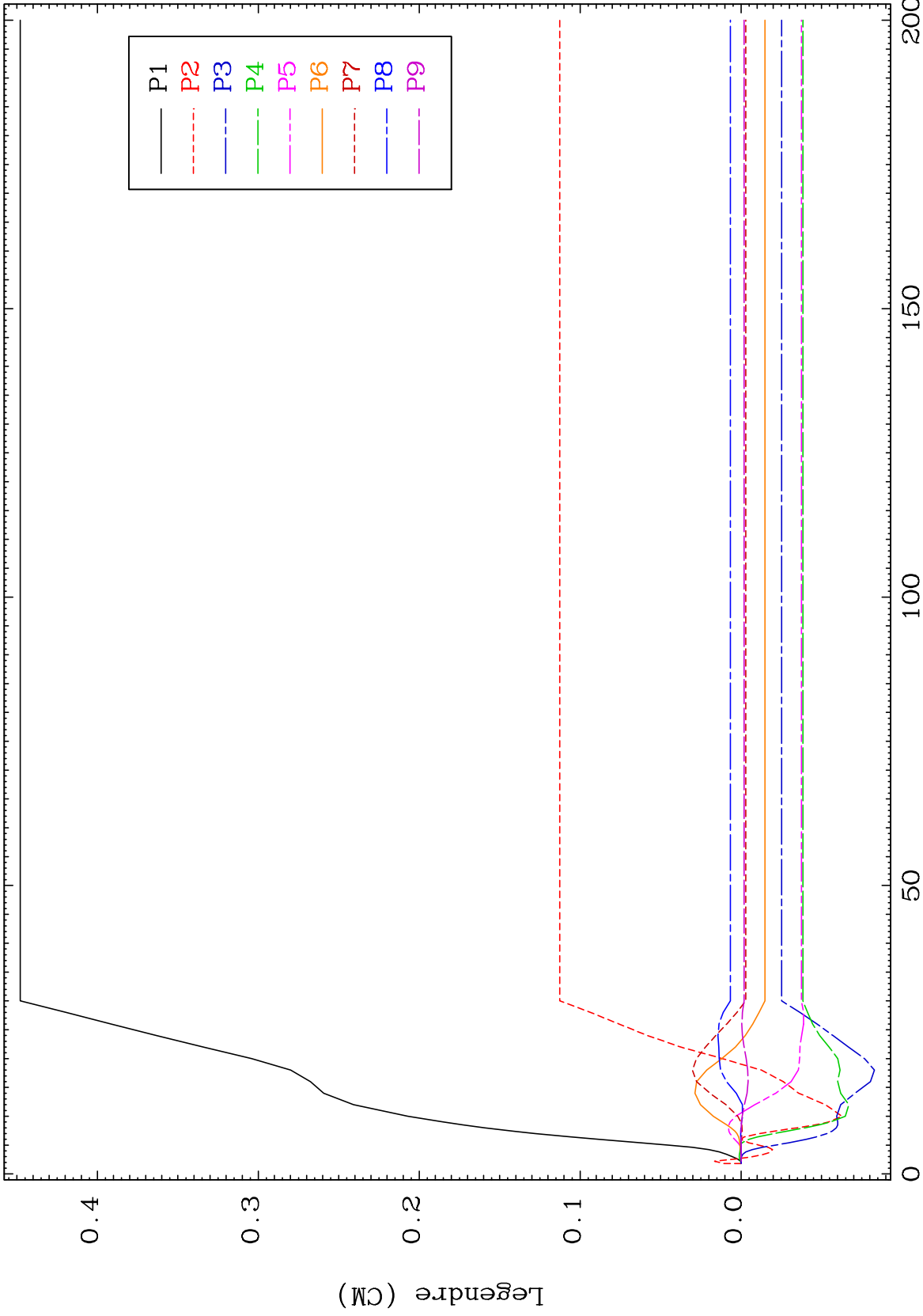


63 41-Nb-98

MAT 4140

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

41-Nb-98

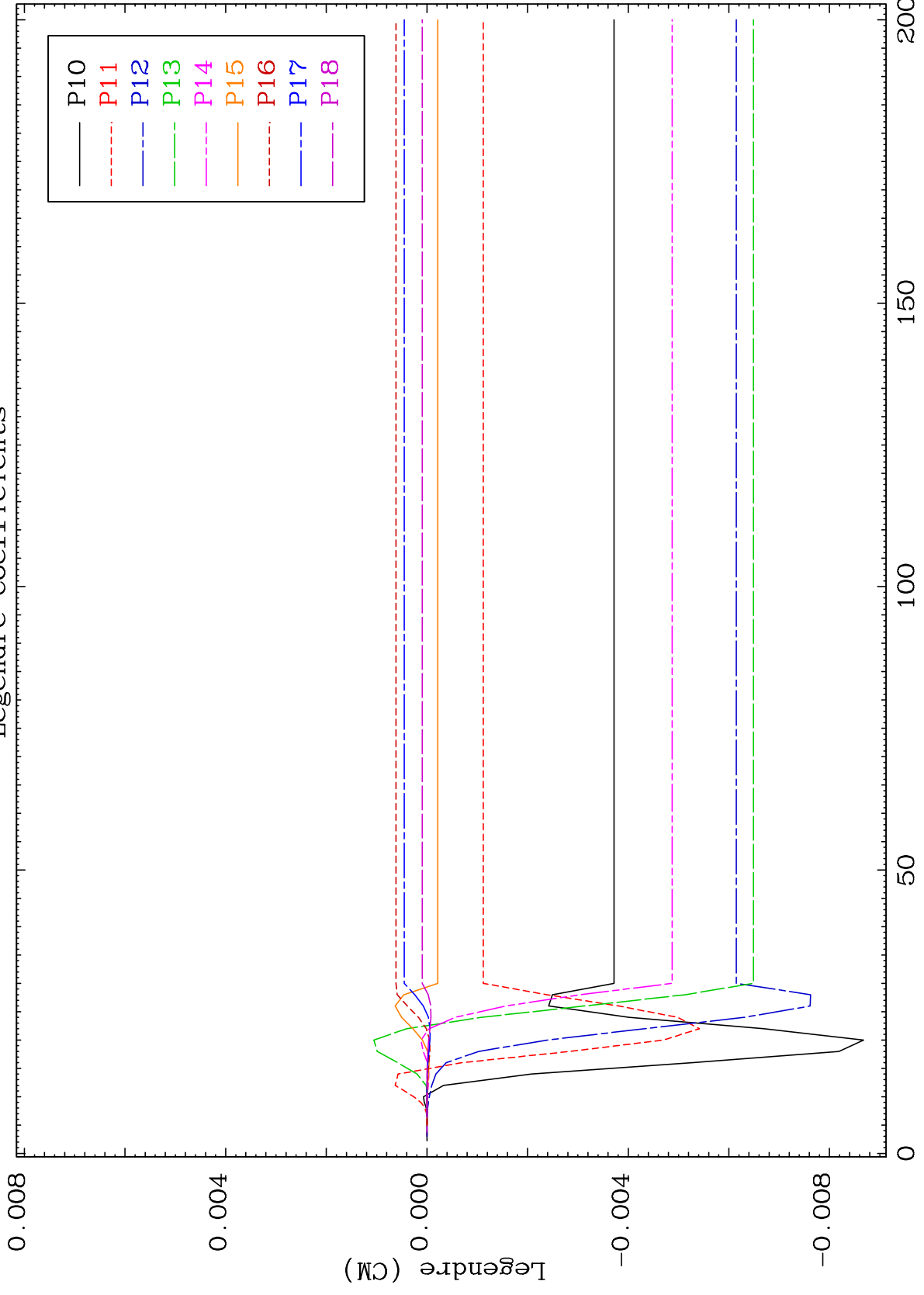


64

Incident Energy (MeV)

41-Nb-98

MAT 4140 MT= 64 (n,n') Level Legendre Coefficients 41-Nb-98

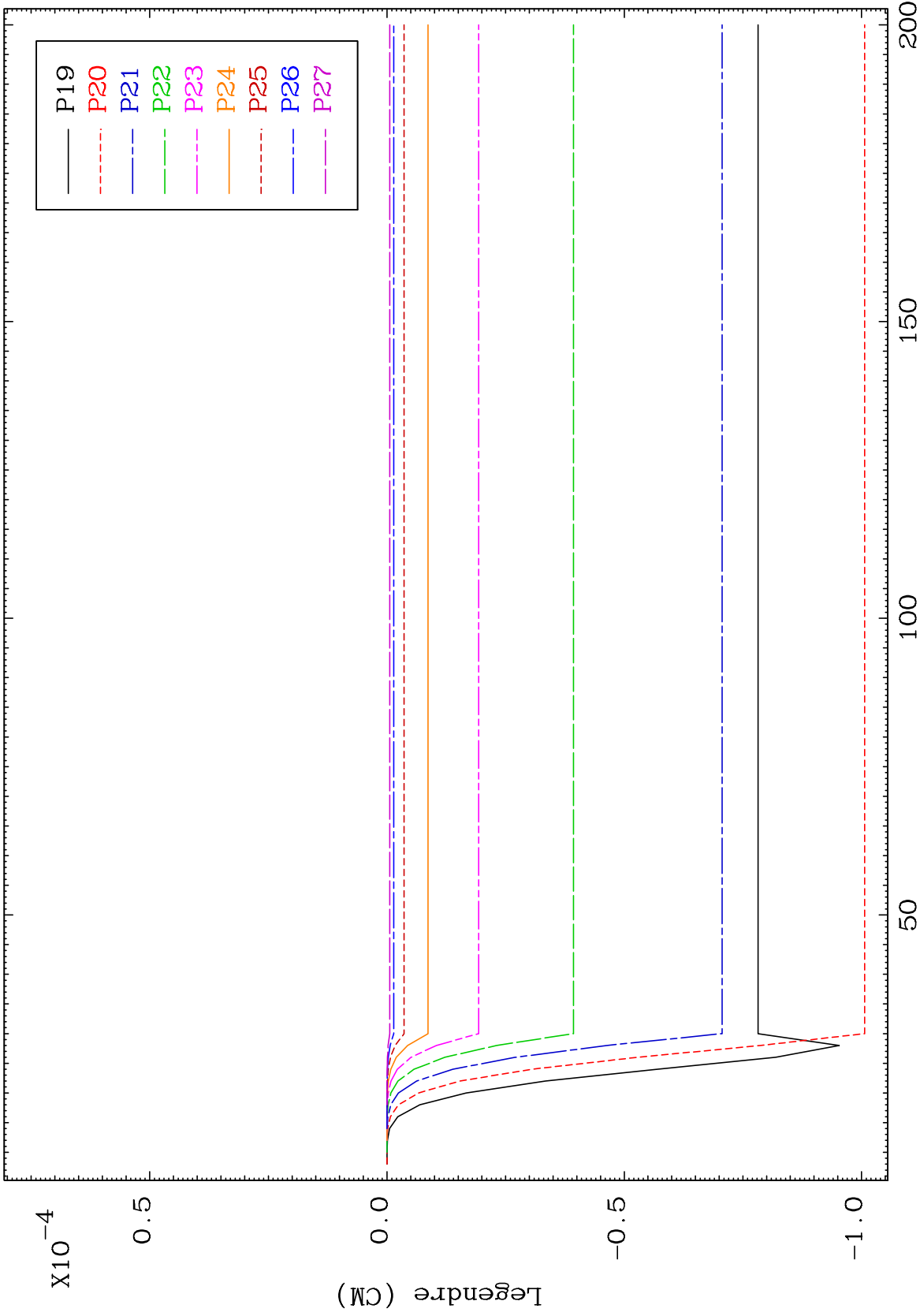


65 41-Nb-98

MAT 4140

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

41-Nb-98



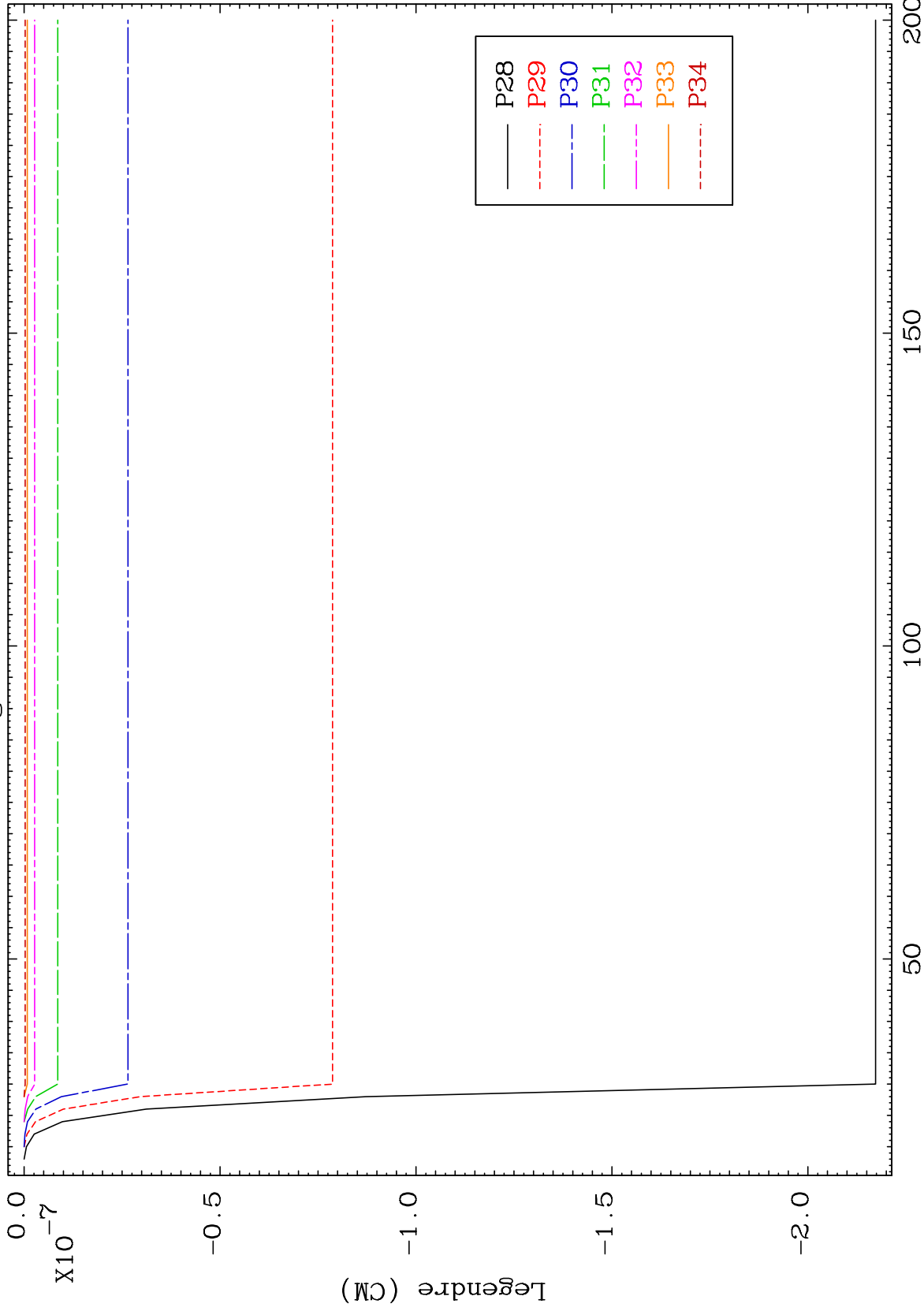
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41-Nb-98

MAT 4140

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

41-Nb-98



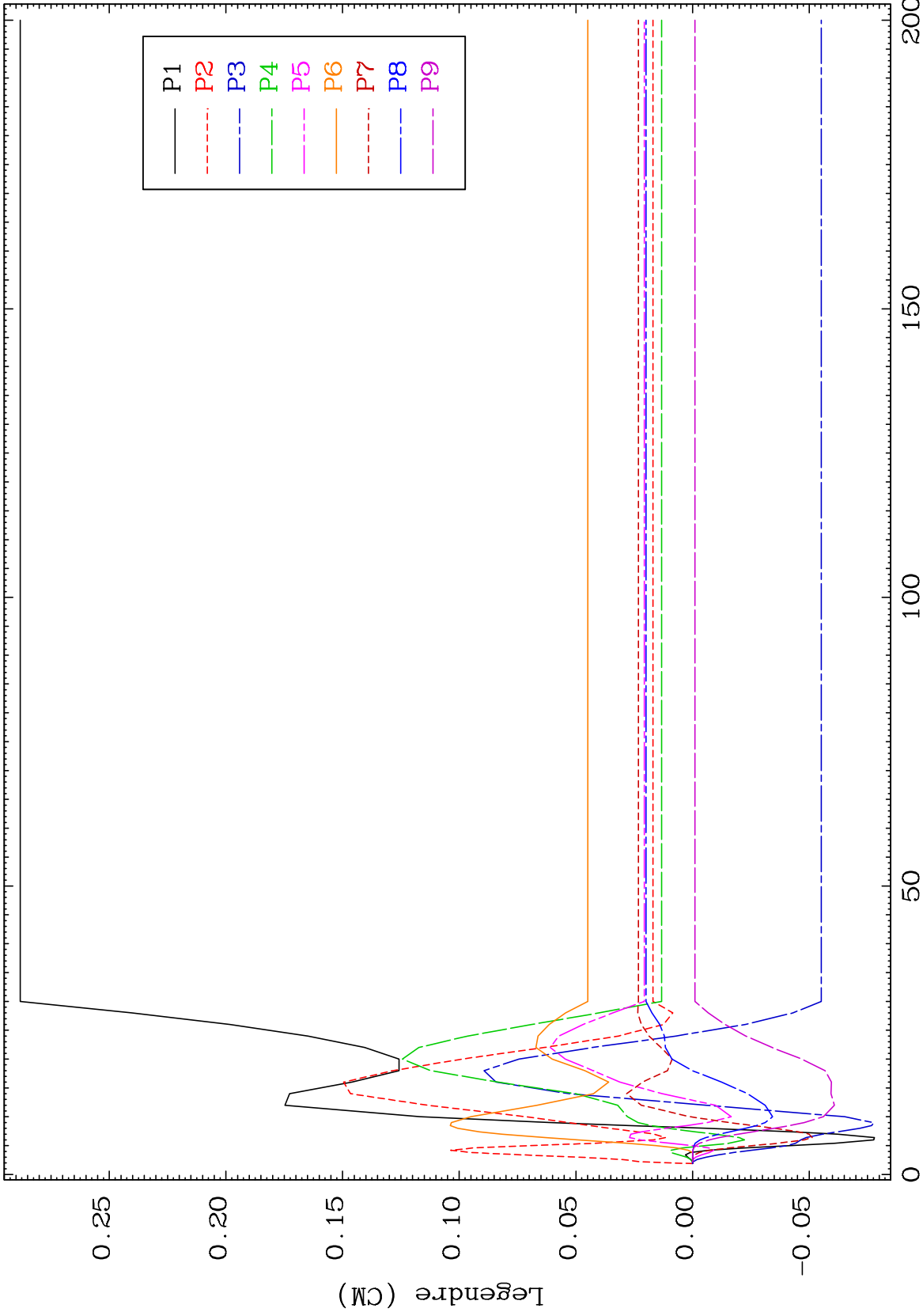
67

41-Nb-98

MAT 4140

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

41-Nb-98



68

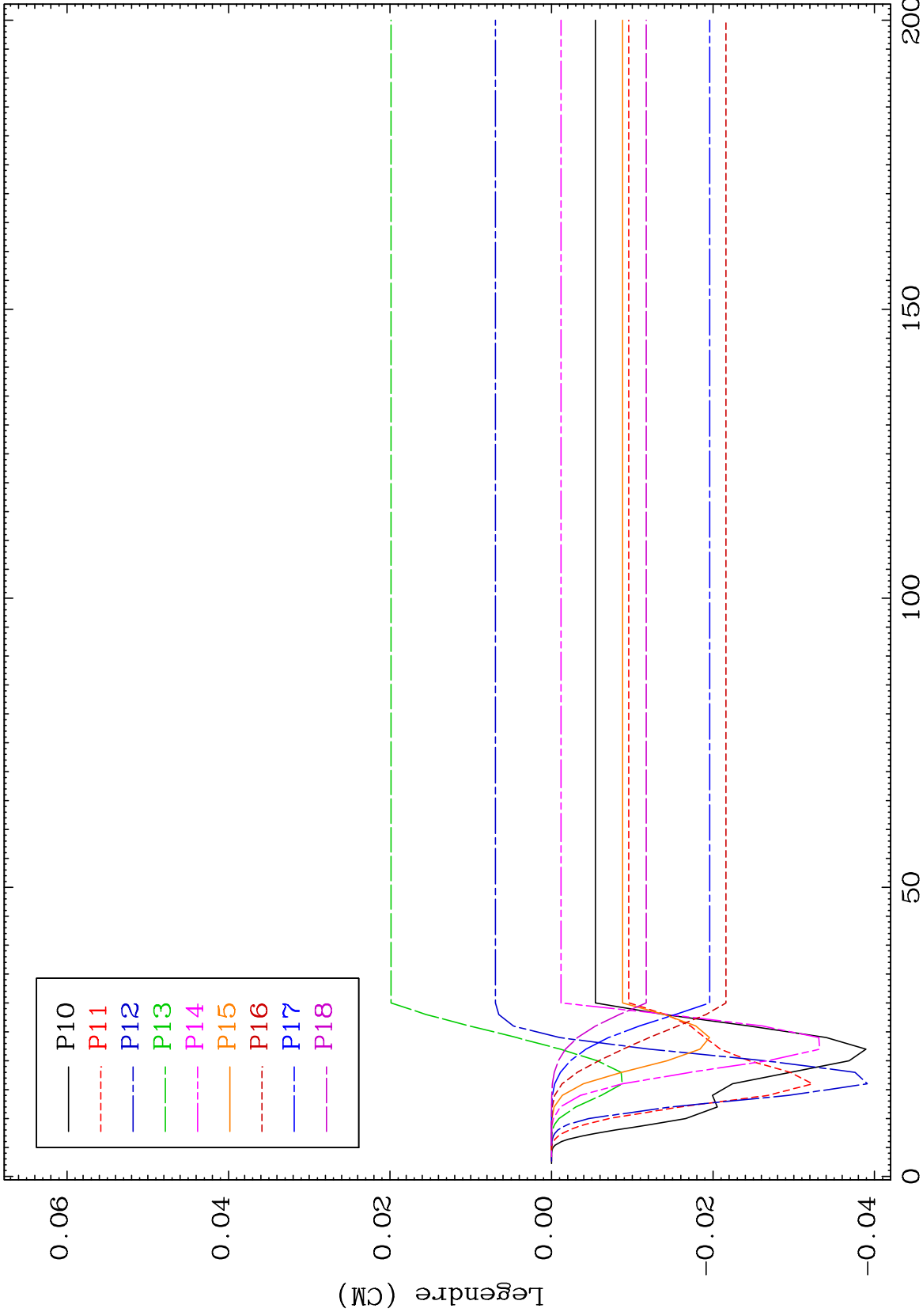
Incident Energy (MeV)

41-Nb-98

MAT 4140

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

41-Nb-98

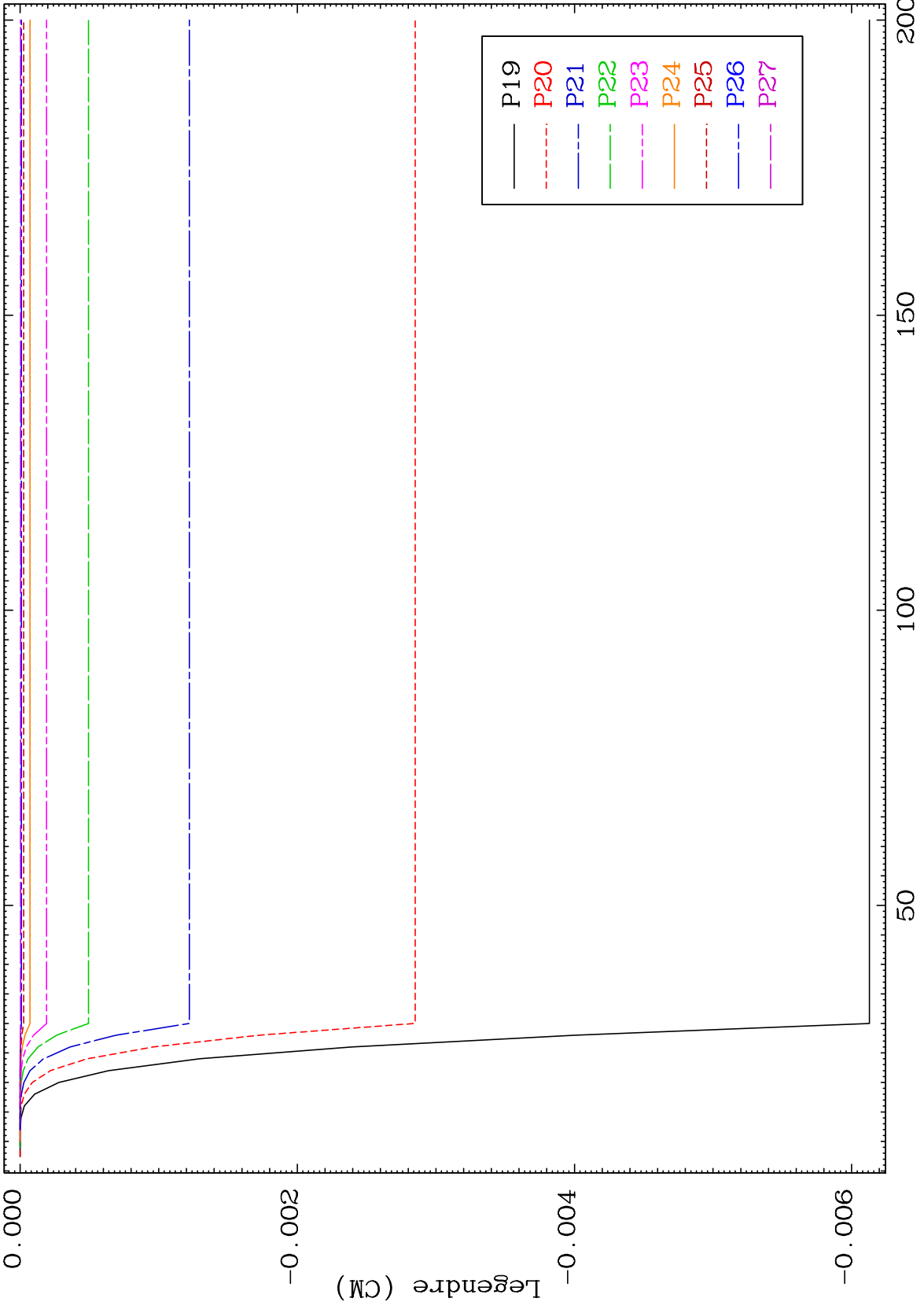


69

Incident Energy (MeV)

41-Nb-98

MAT 4140 MT= 65 (n,n') Level Legendre Coefficients 41-Nb-98

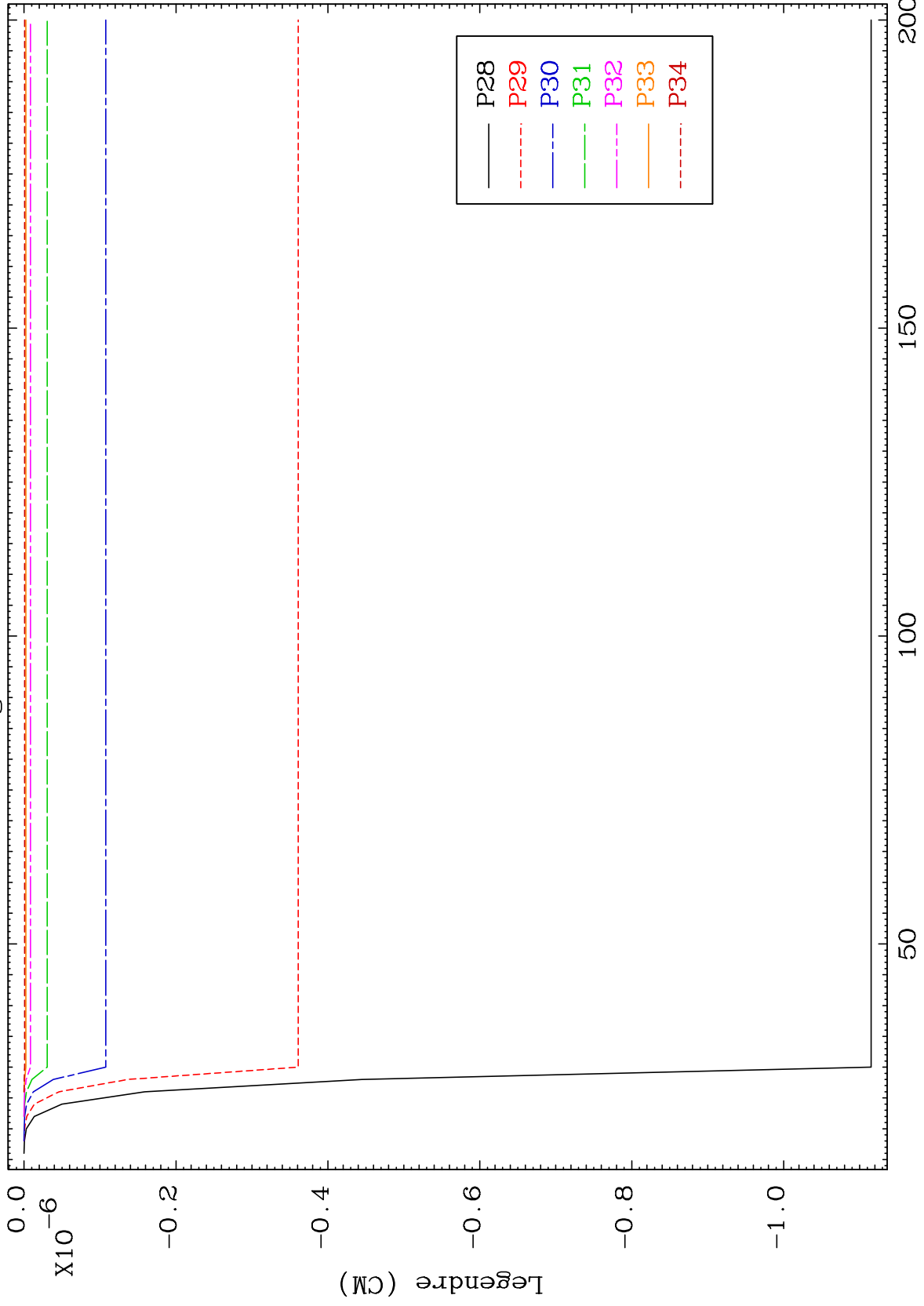


70 Incident Energy (MeV) 41-Nb-98

MAT 4140

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

41-Nb-98

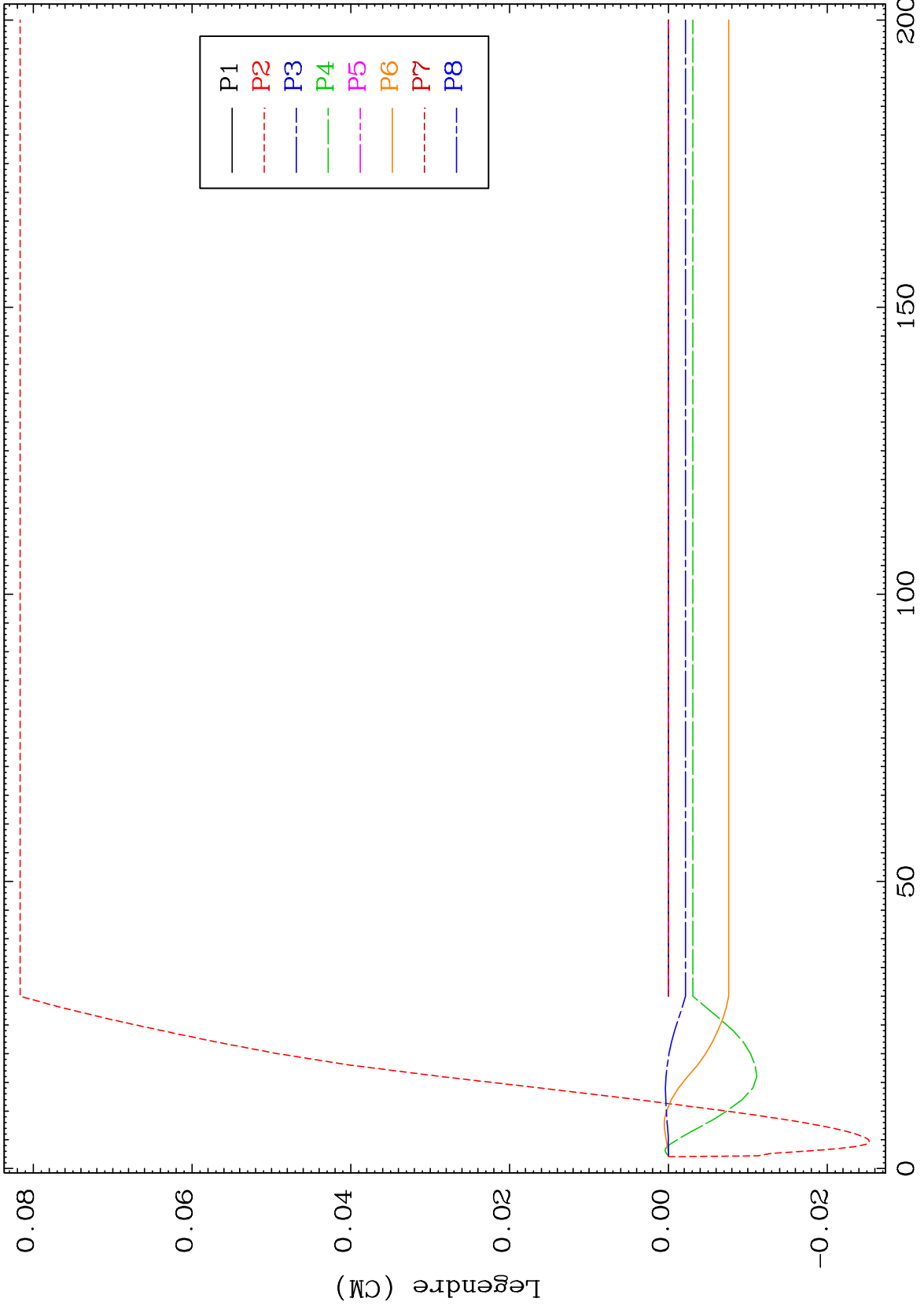


41-Nb-98

Incident Energy (MeV)

71

MAT 4140 MT= 66 (n,n') Level Legendre Coefficients 41-Nb-98

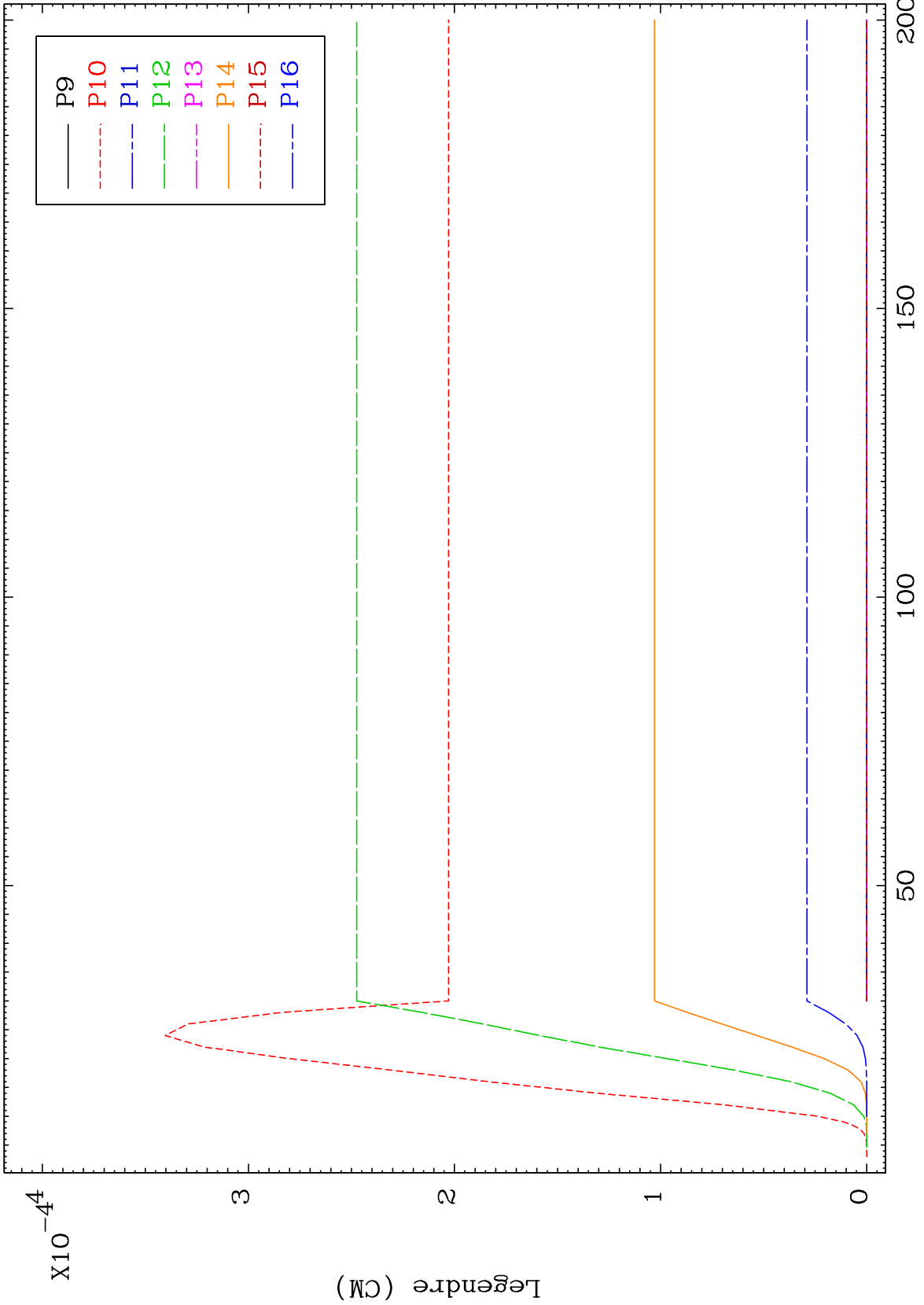


72 41-Nb-98

MAT 4140

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

41-Nb-98

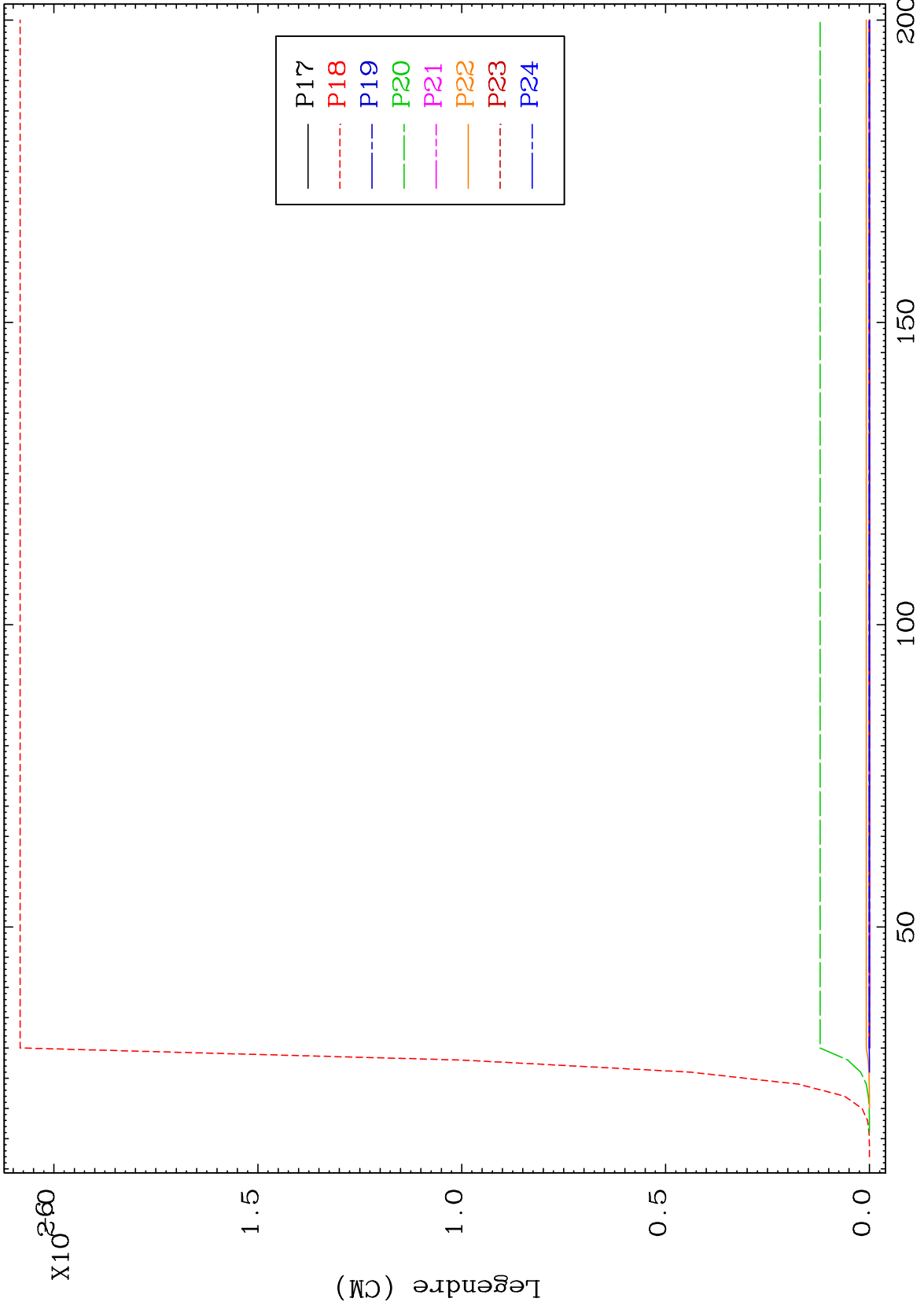


73

Incident Energy (MeV)

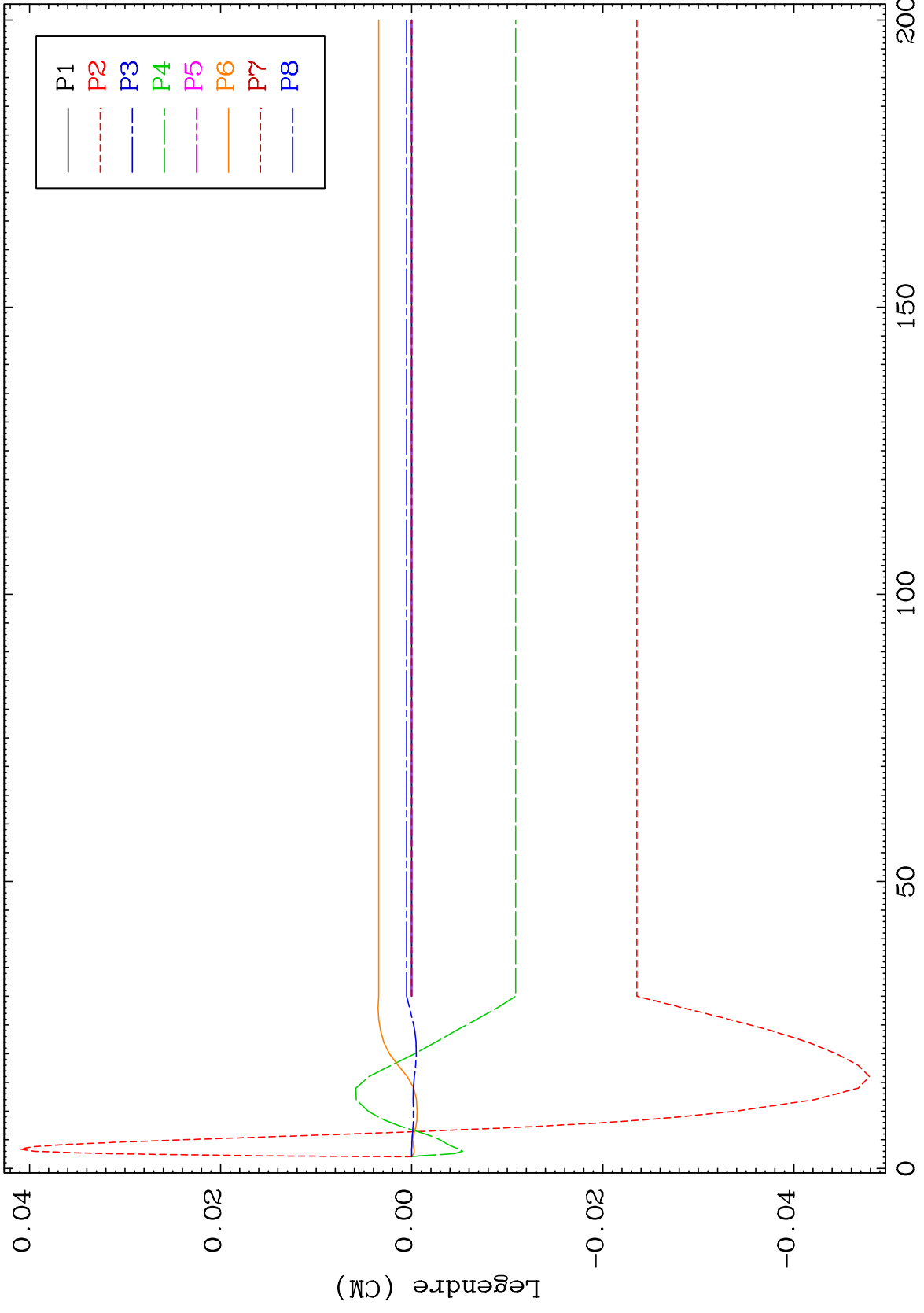
41-Nb-98

MAT 4140 MT= 66 (n,n') Level Legendre Coefficients 41-Nb-98



74 41-Nb-98

MAT 4140 MT= 67 (n,n') Level Legendre Coefficients 41-Nb-98

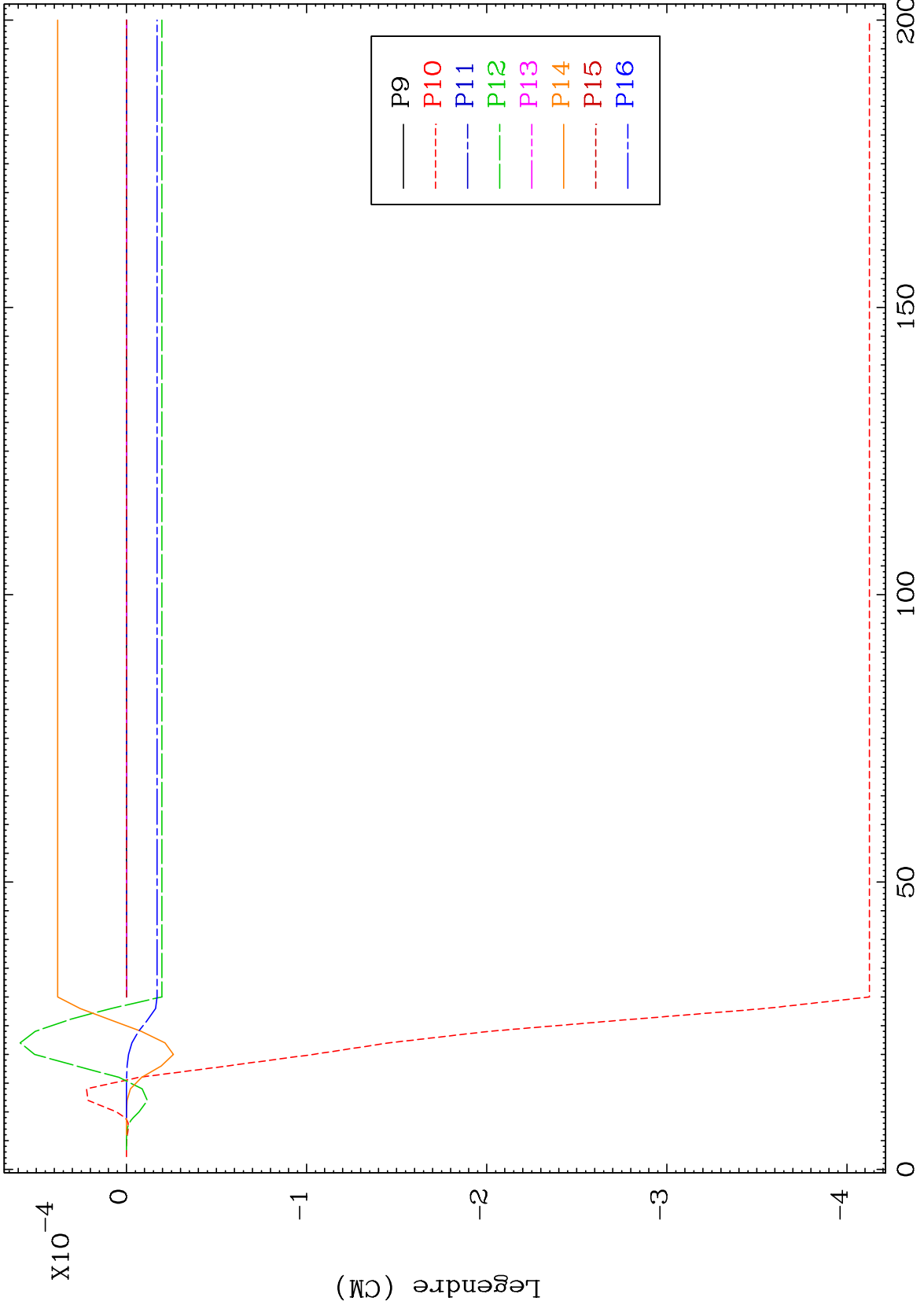


75 Incident Energy (MeV) 41-Nb-98

MAT 4140

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

41-Nb-98

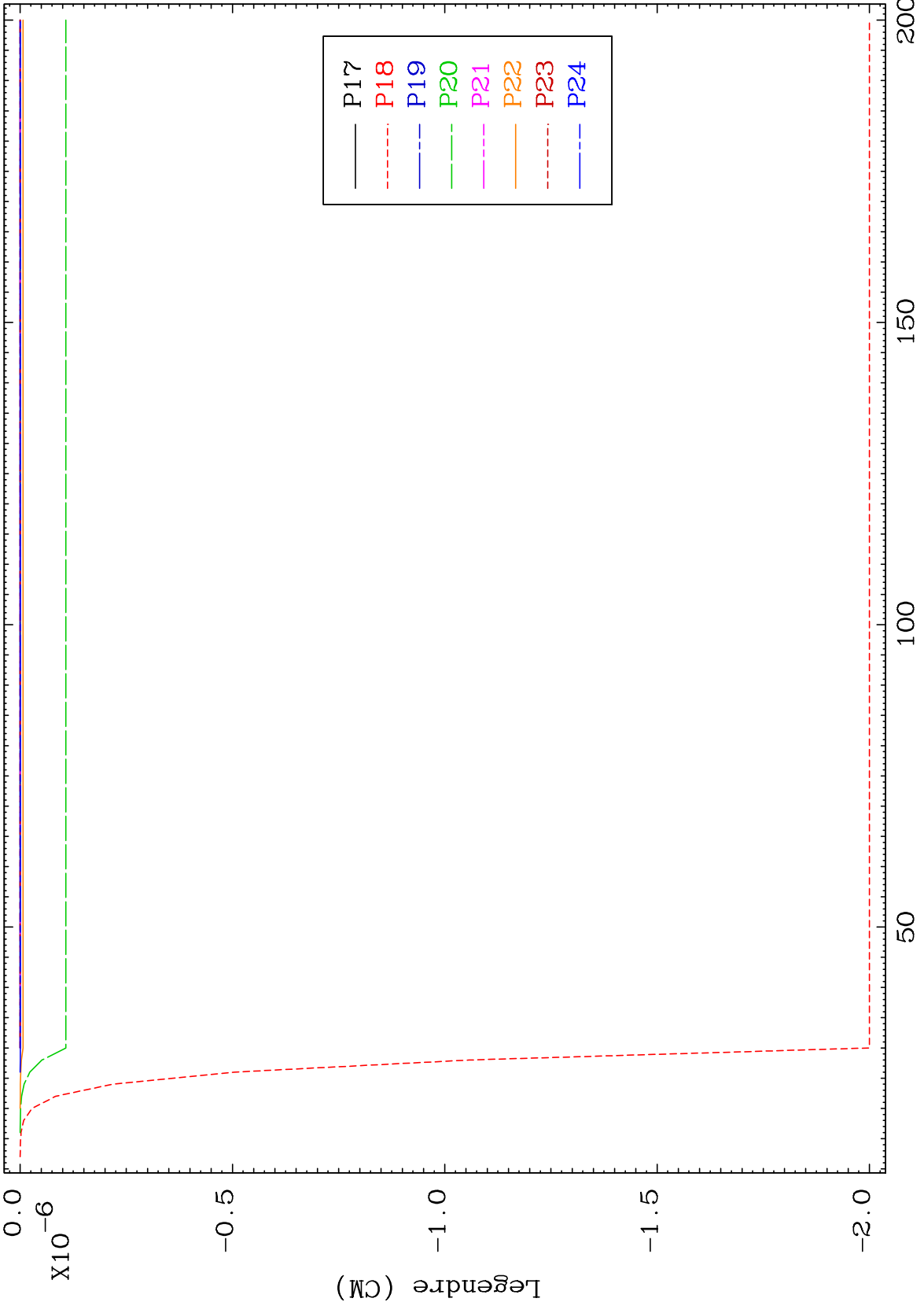


76

Incident Energy (MeV)

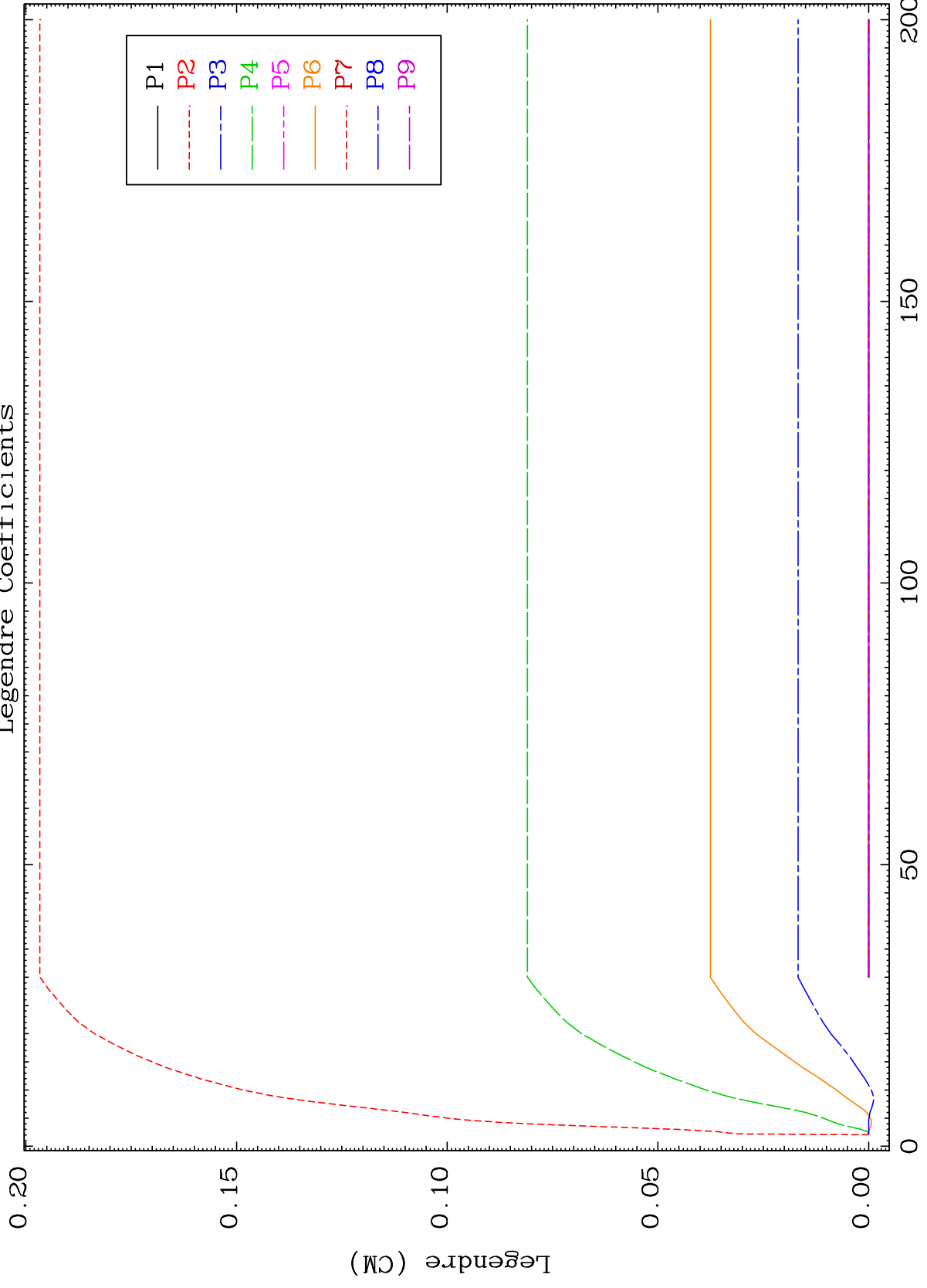
41-Nb-98

MAT 4140 MT= 67 (n,n') Level Legendre Coefficients 41-Nb-98



77 41-Nb-98

MAT 4140 MT= 68 (n,n') Level Legendre Coefficients 41-Nb-98

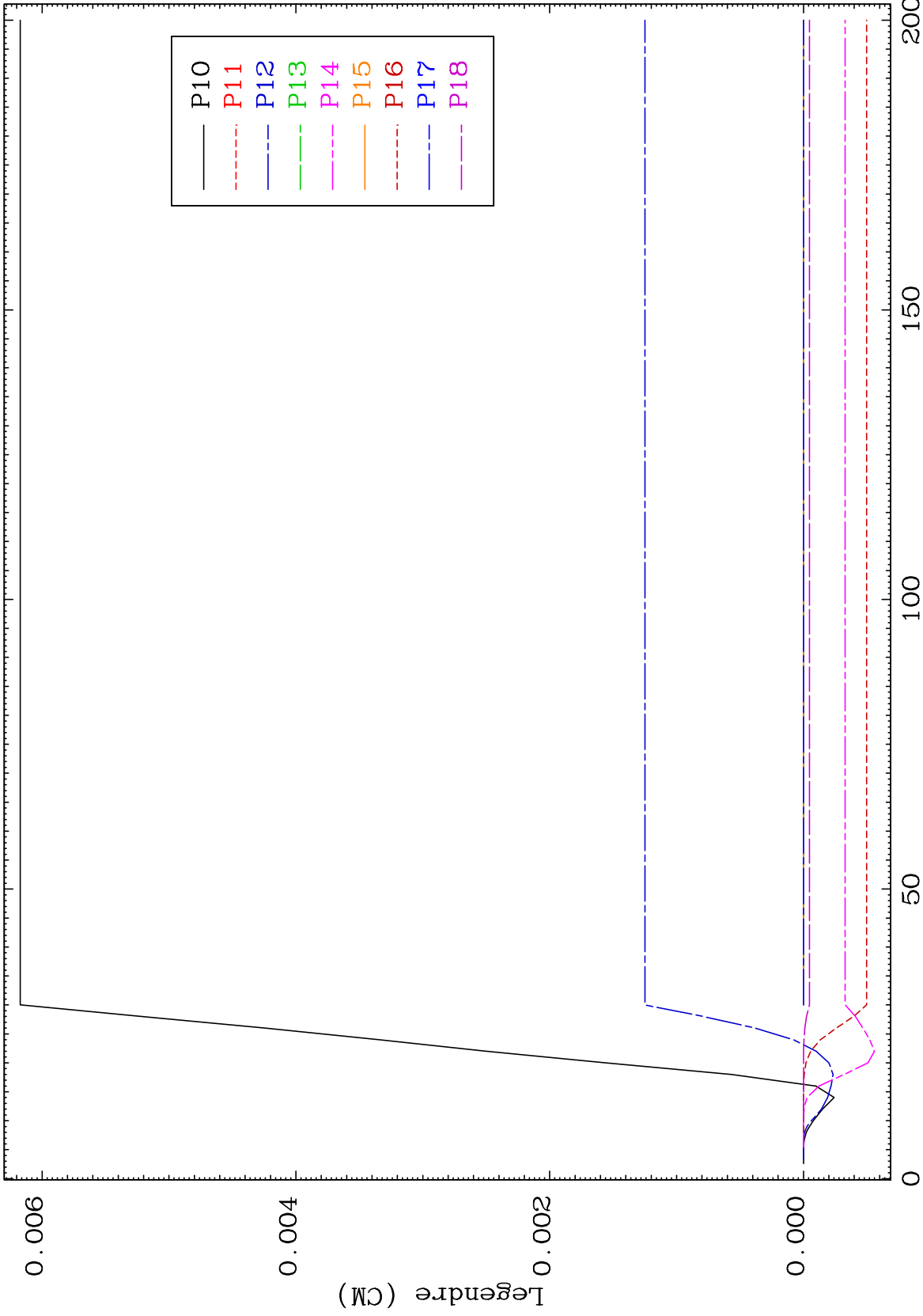


78 41-Nb-98

MAT 4140

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

41-Nb-98



79

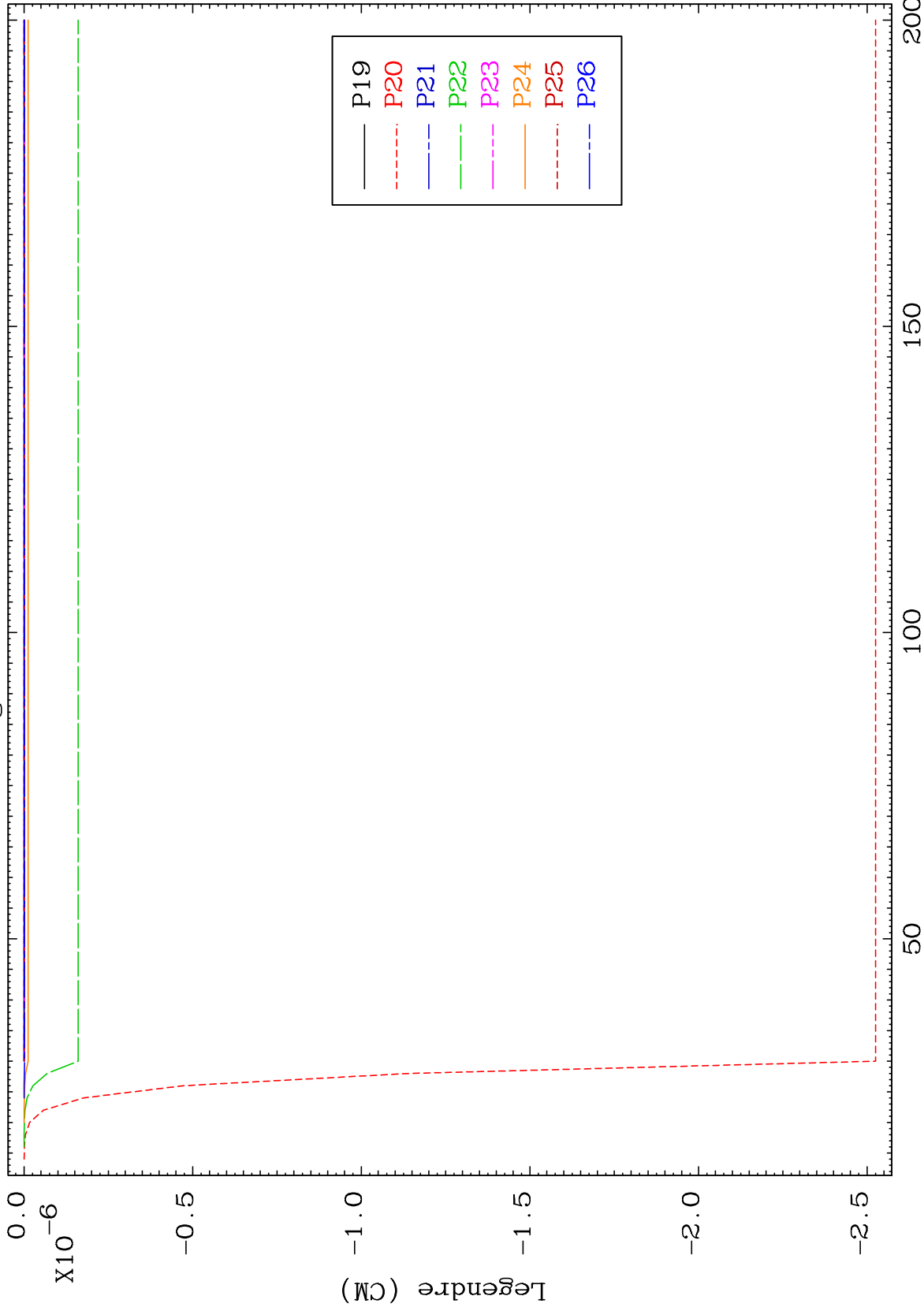
Incident Energy (MeV)

41-Nb-98

MAT 4140

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

41-Nb-98



41-Nb-98

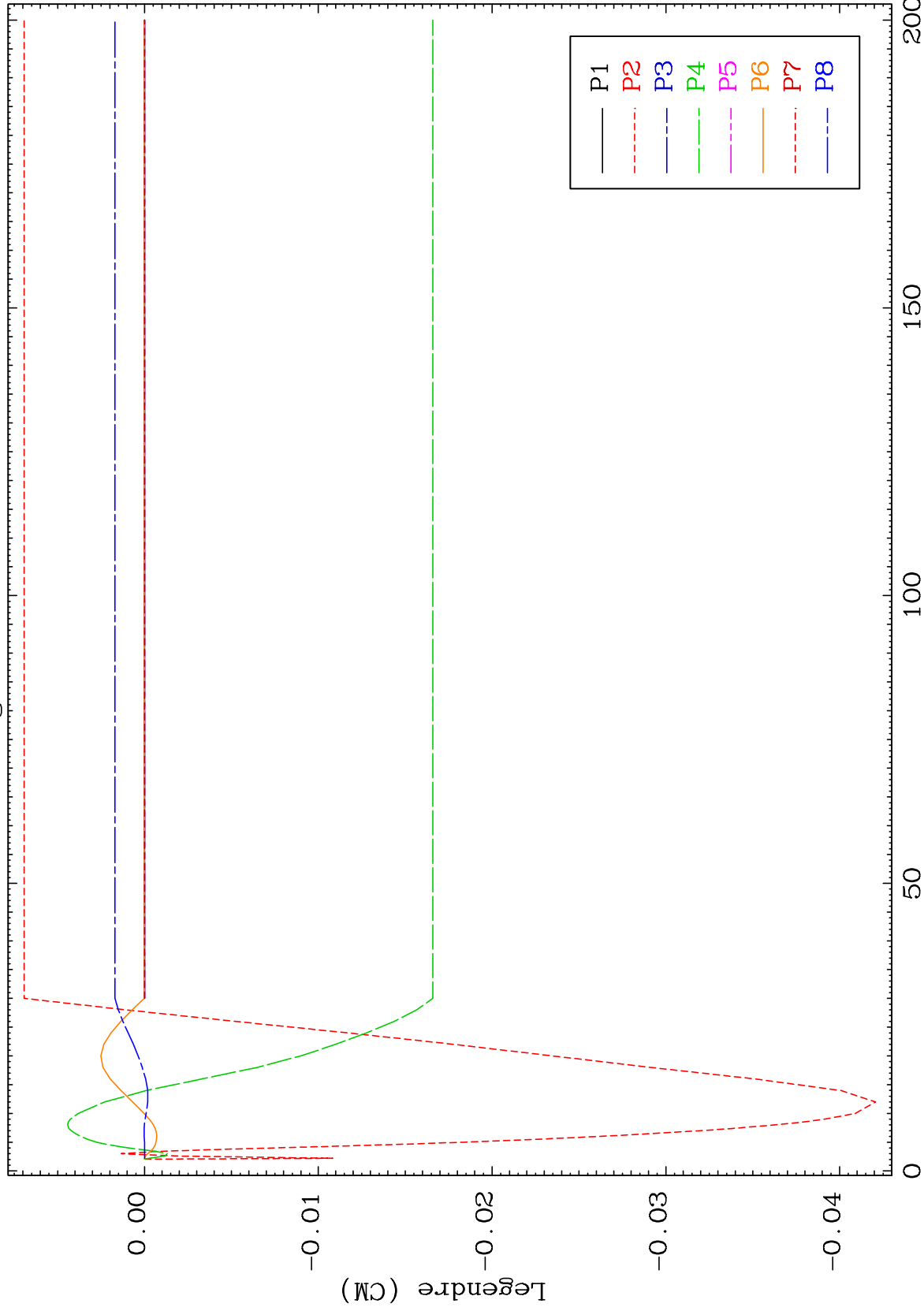
Incident Energy (MeV)

80

MAT 4140

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

41-Nb-98

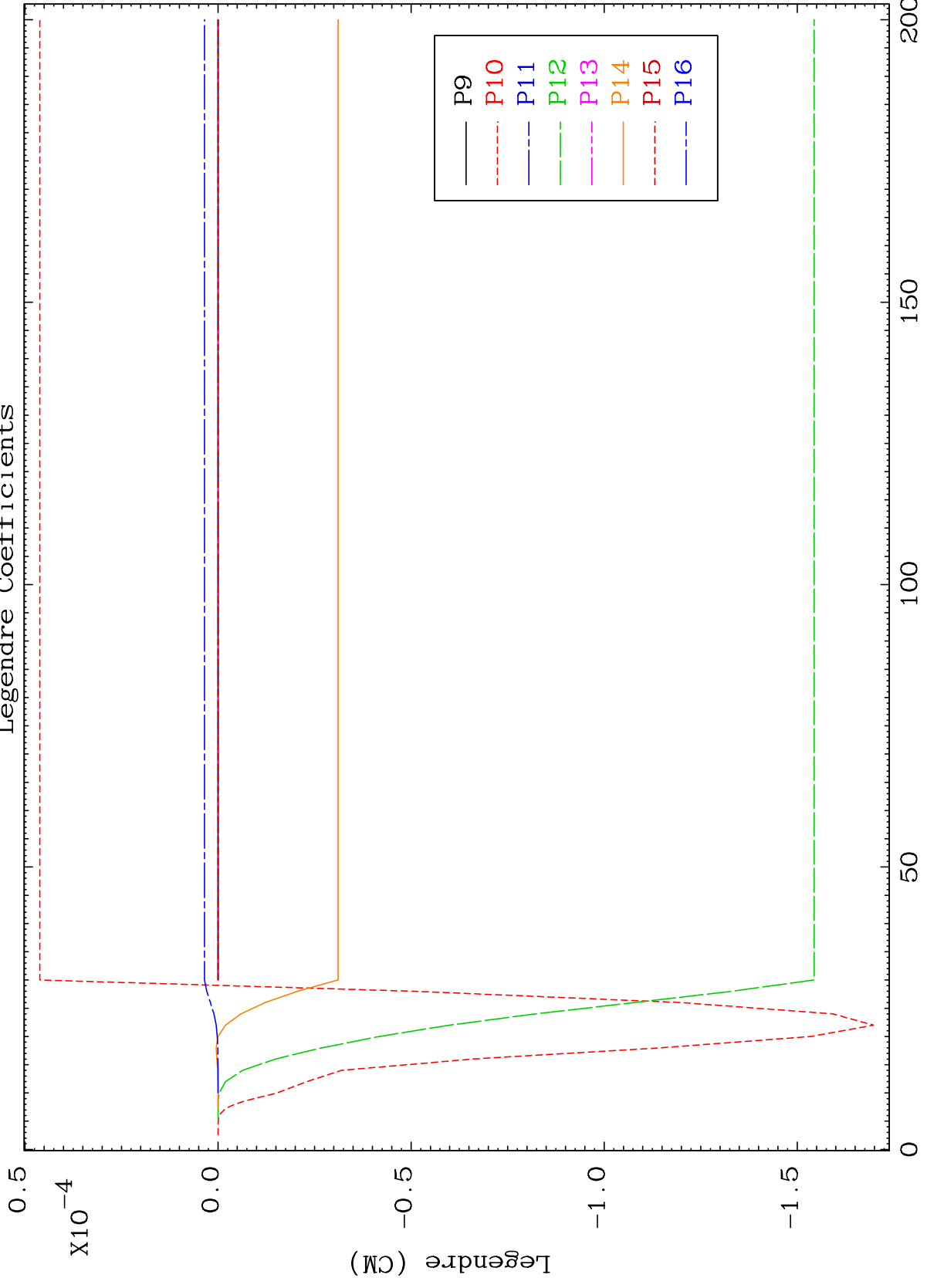


81

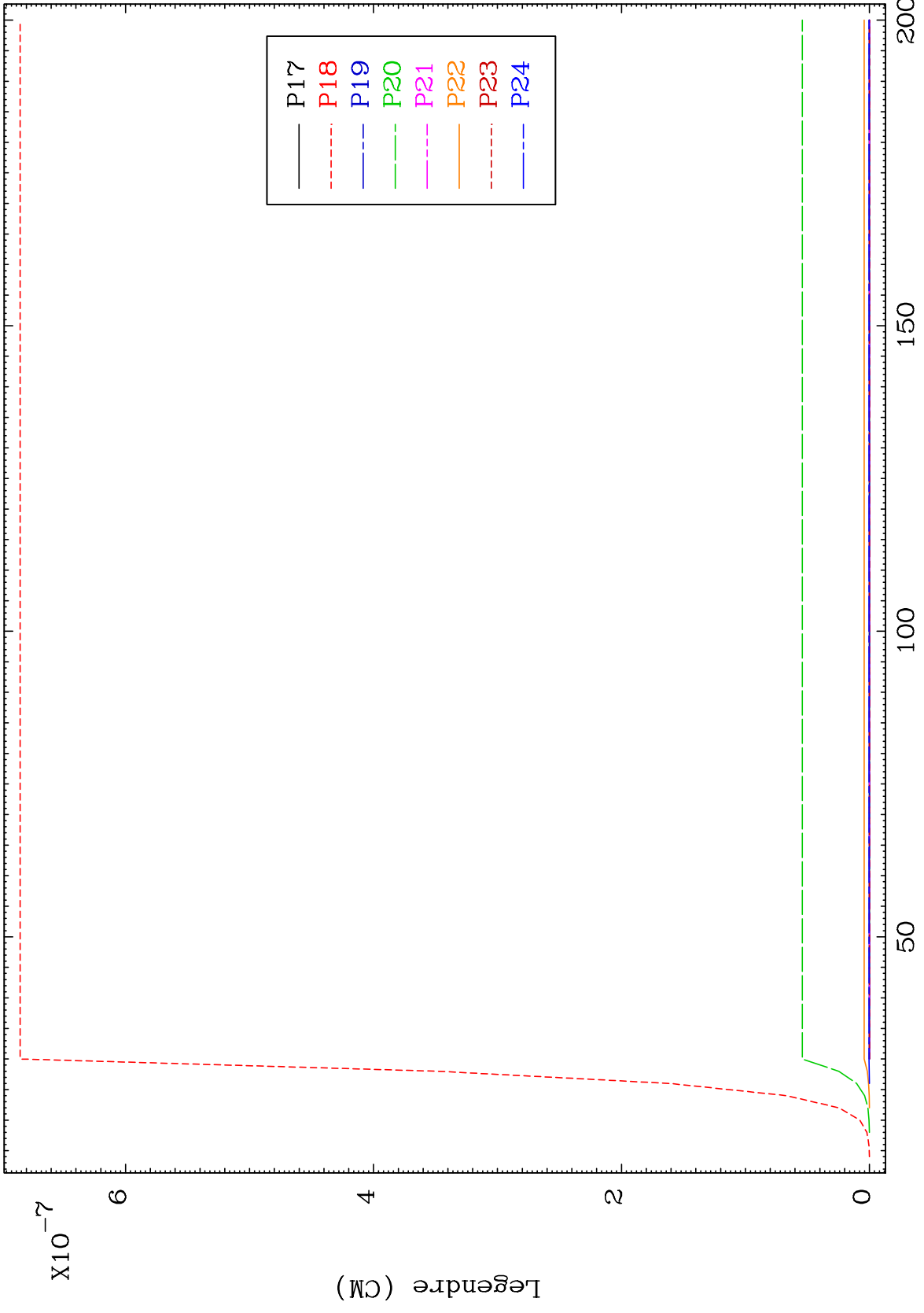
Incident Energy (MeV)

41-Nb-98

MAT 4140 MT= 69 (n,n') Level Legendre Coefficients 41-Nb-98



MAT 4140 MT= 69 (n,n') Level Legendre Coefficients 41-Nb-98

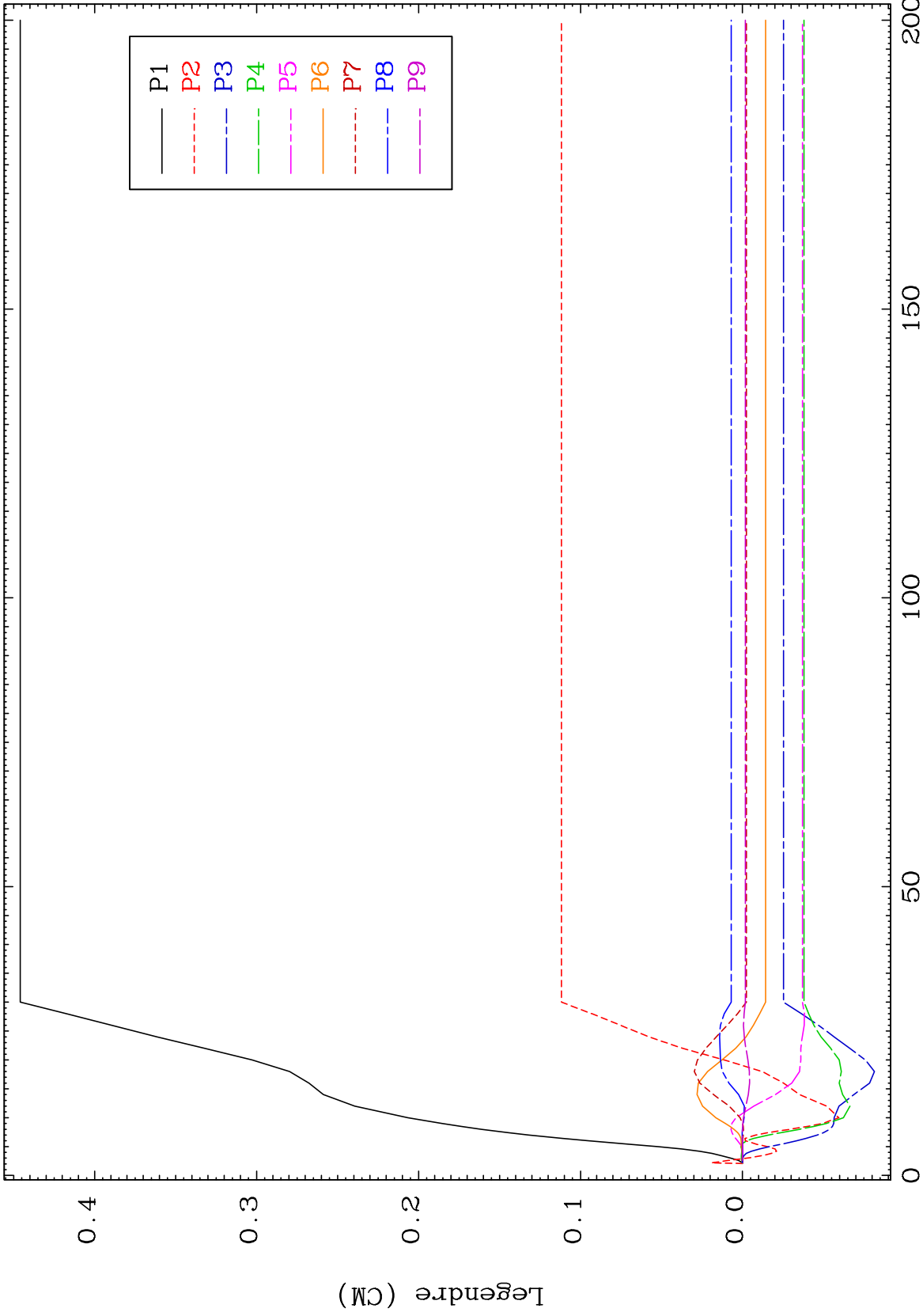


83 41-Nb-98

MAT 4140

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

41-Nb-98

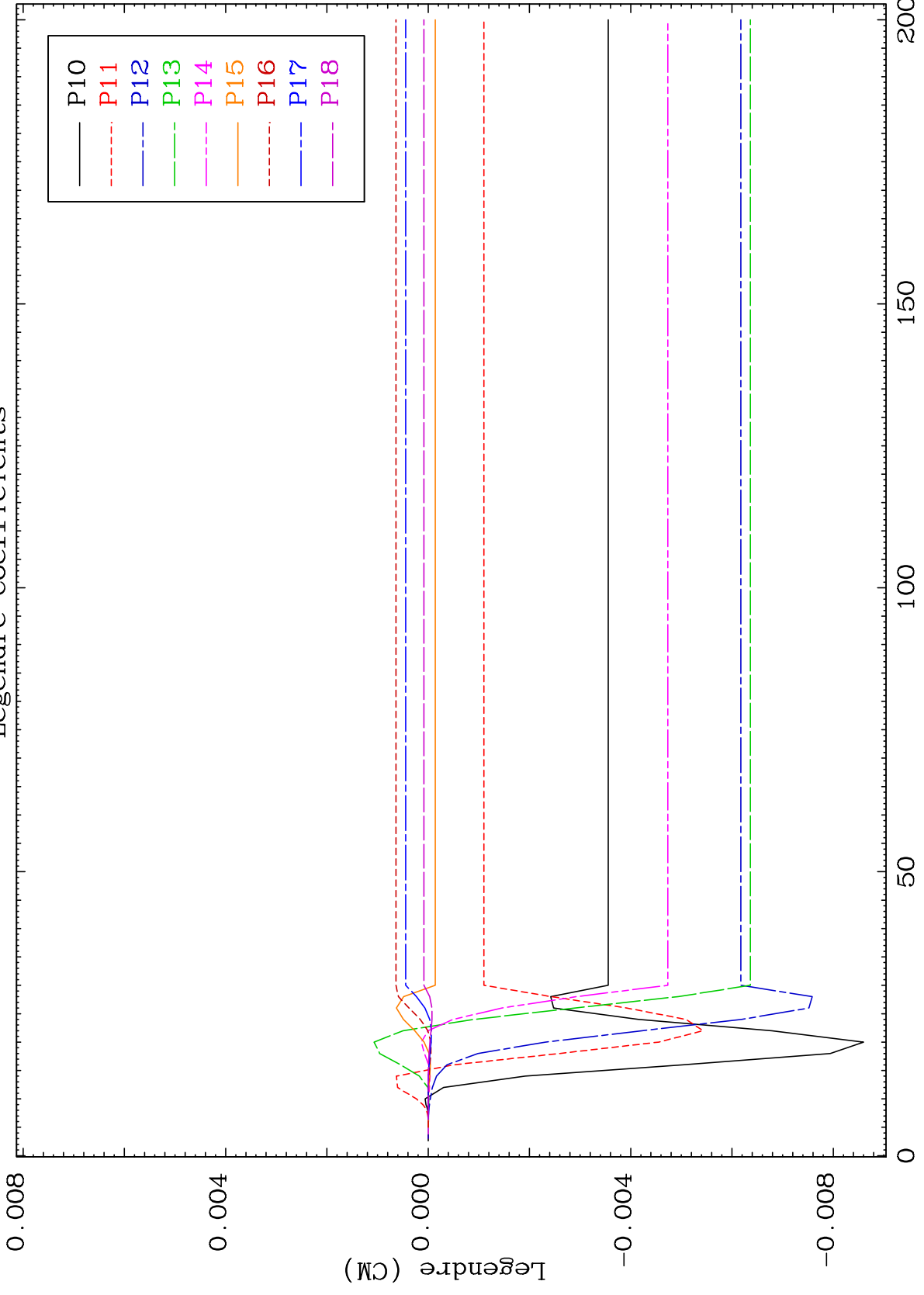


84

Incident Energy (MeV)

41-Nb-98

MAT 4140 MT= 70 (n,n') Level Legendre Coefficients 41-Nb-98

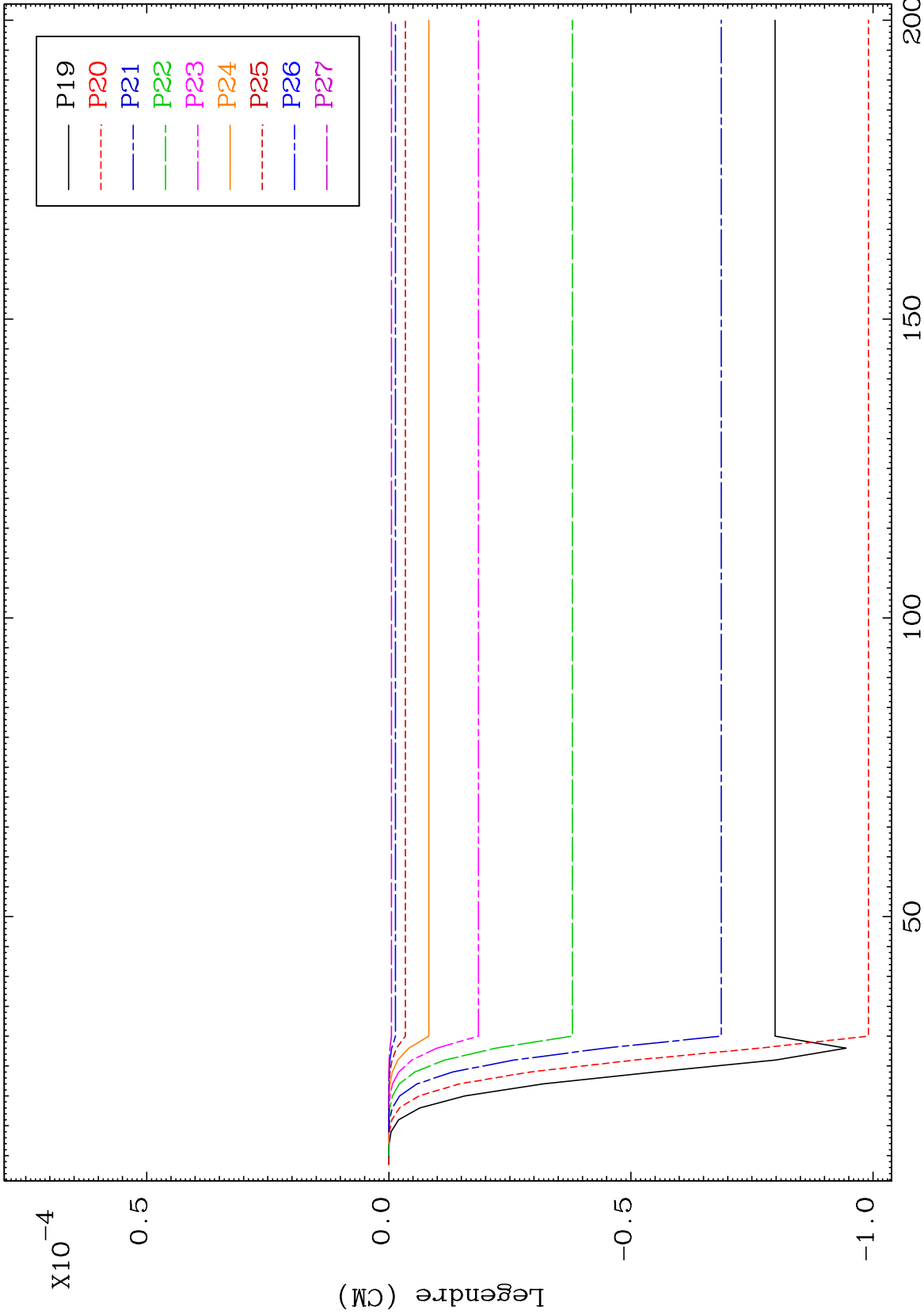


85 Incident Energy (MeV) 41-Nb-98

MAT 4140

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

41-Nb-98



86

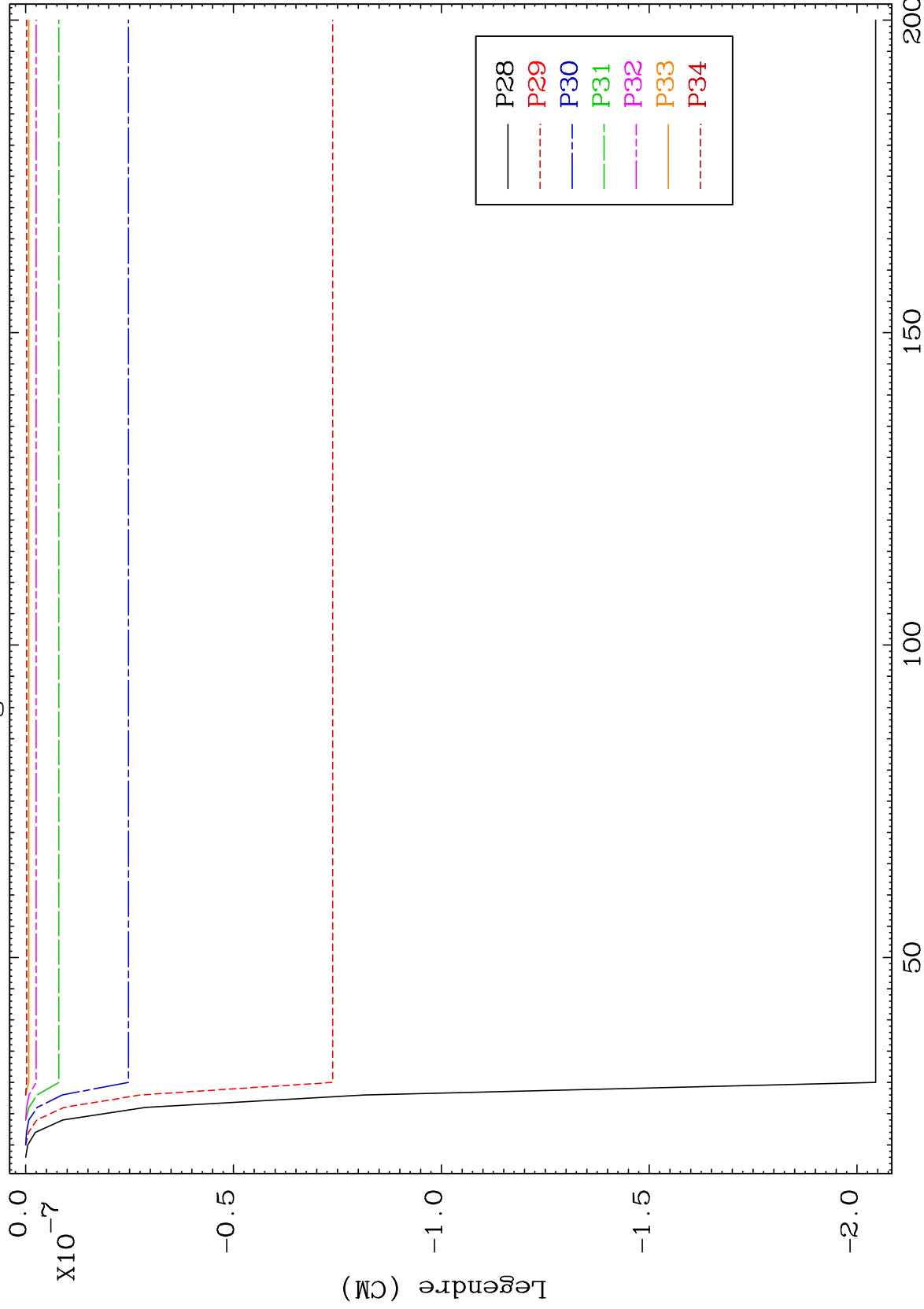
Incident Energy (MeV)

41-Nb-98

MAT 4140

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

41-Nb-98



87

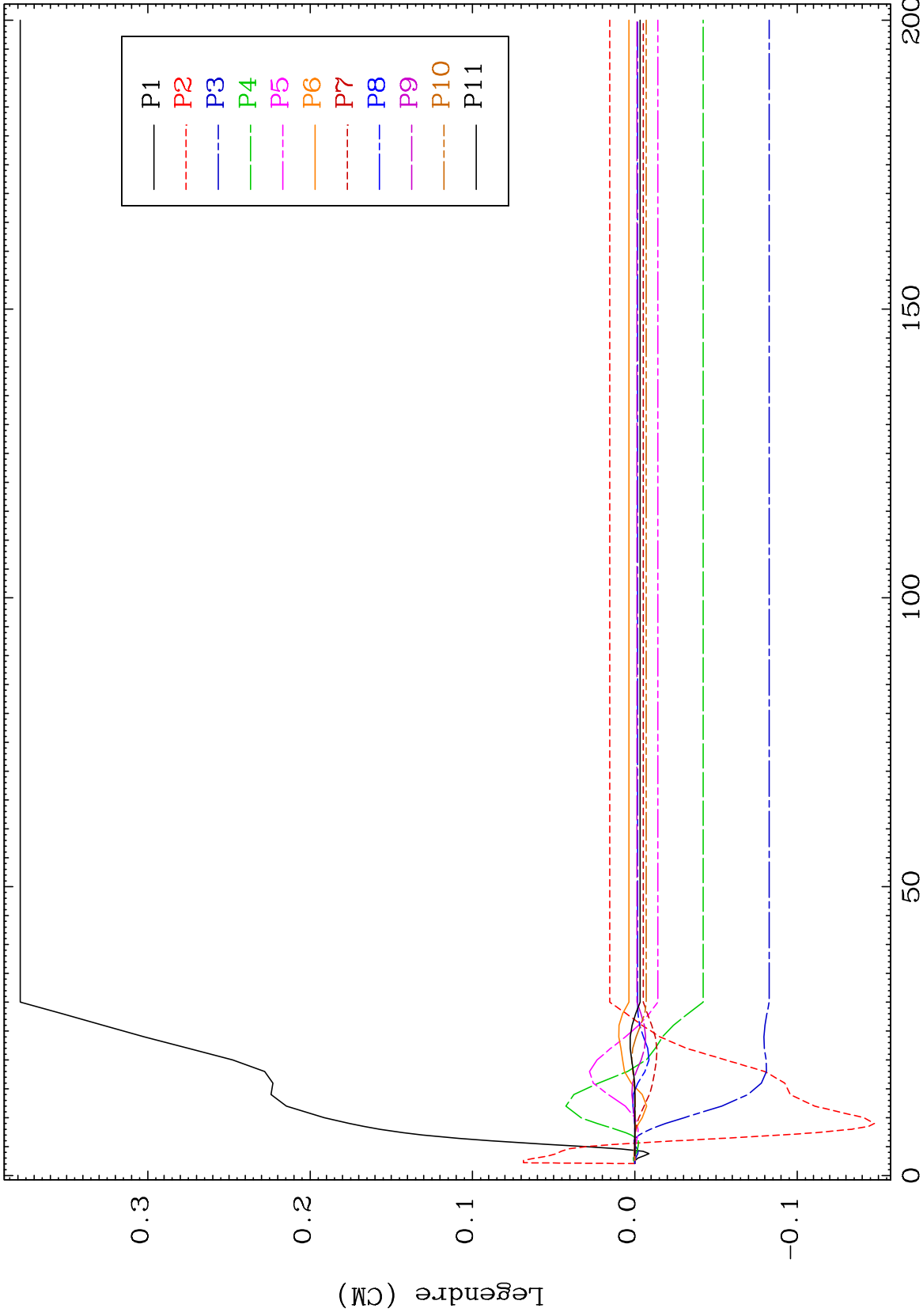
Incident Energy (MeV)

41-Nb-98

MAT 4140

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

41-Nb-98



88

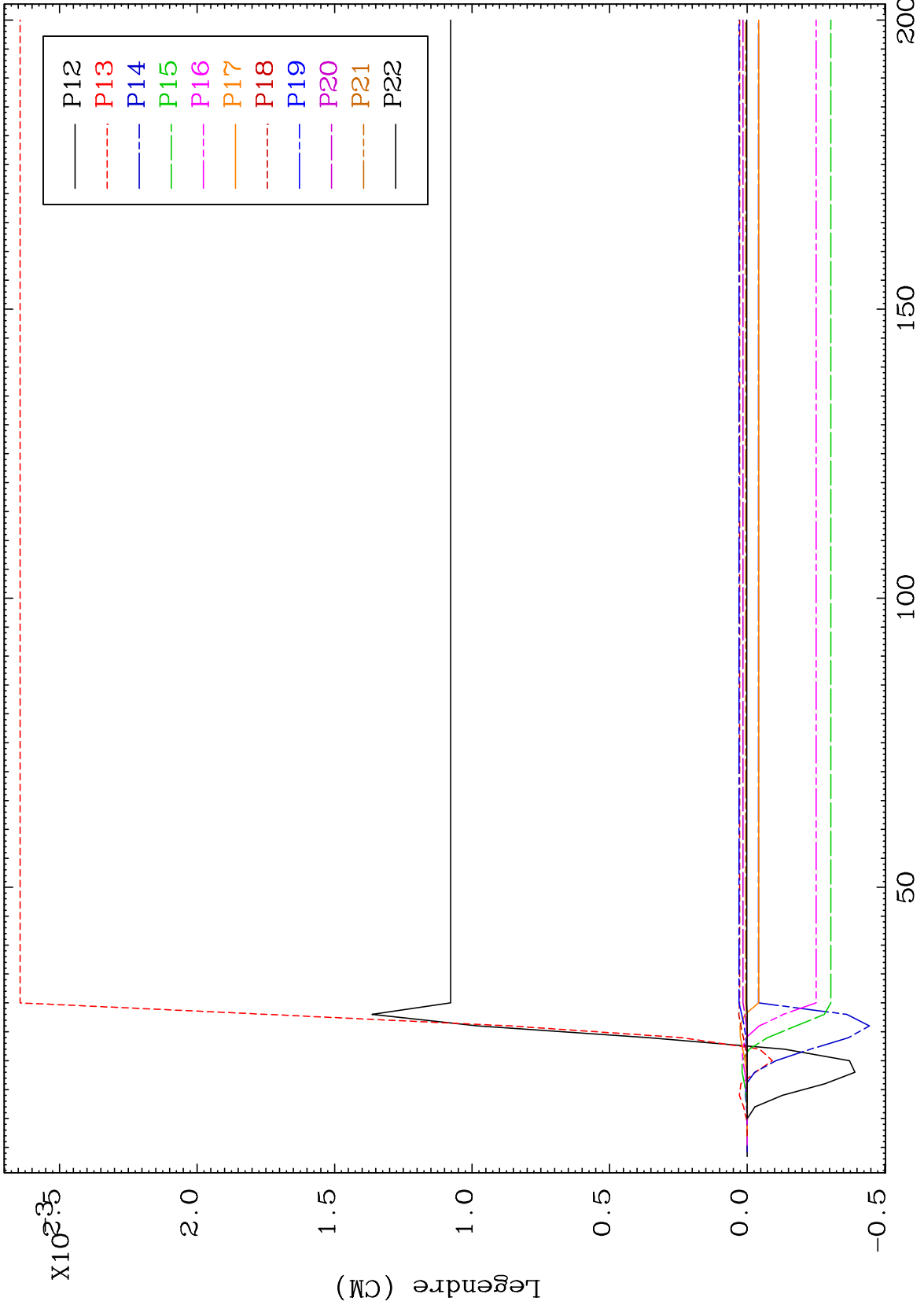
Incident Energy (MeV)

41-Nb-98

MAT 4140

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

41-Nb-98



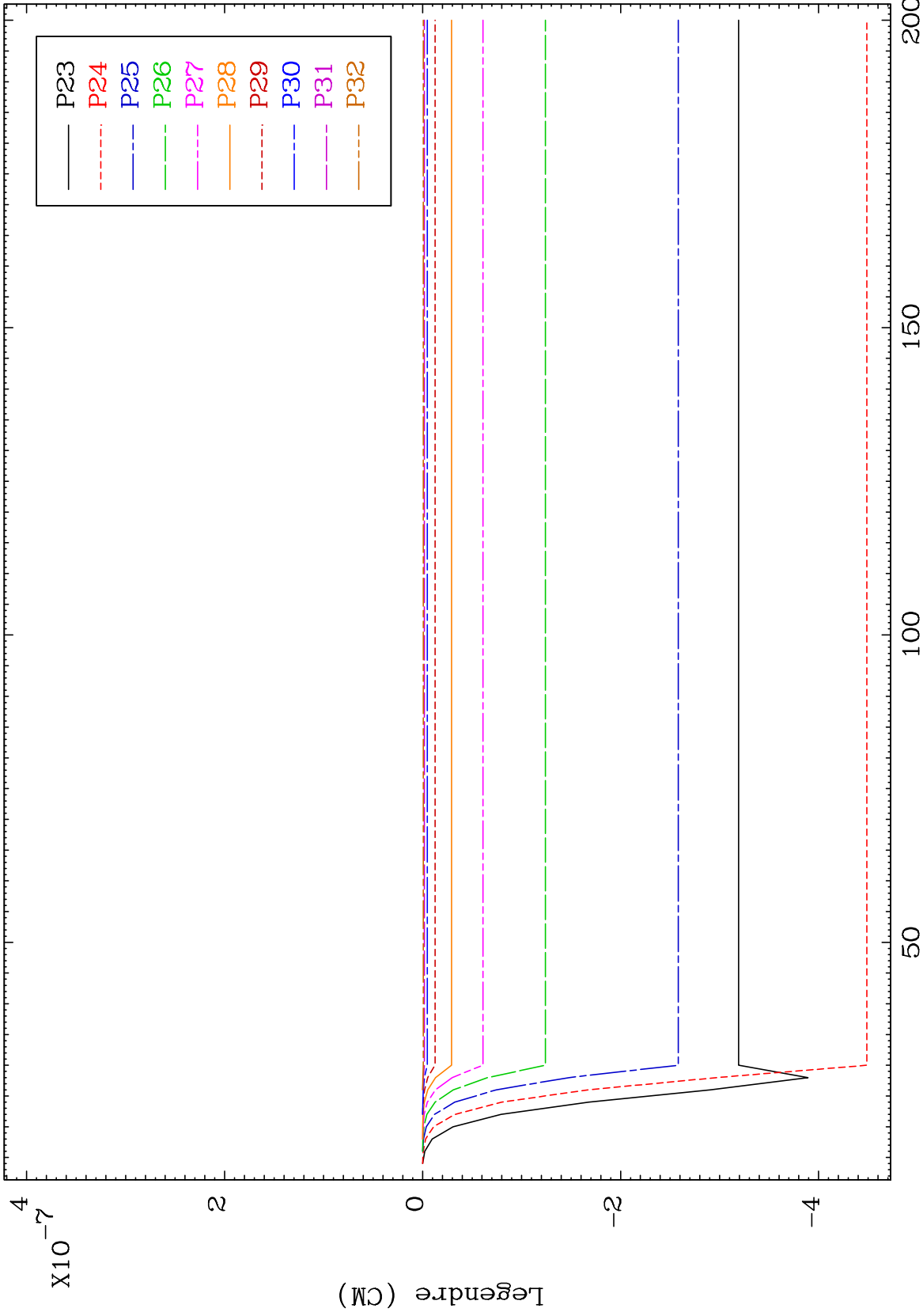
89

41-Nb-98

MAT 4140

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

41-Nb-98



90

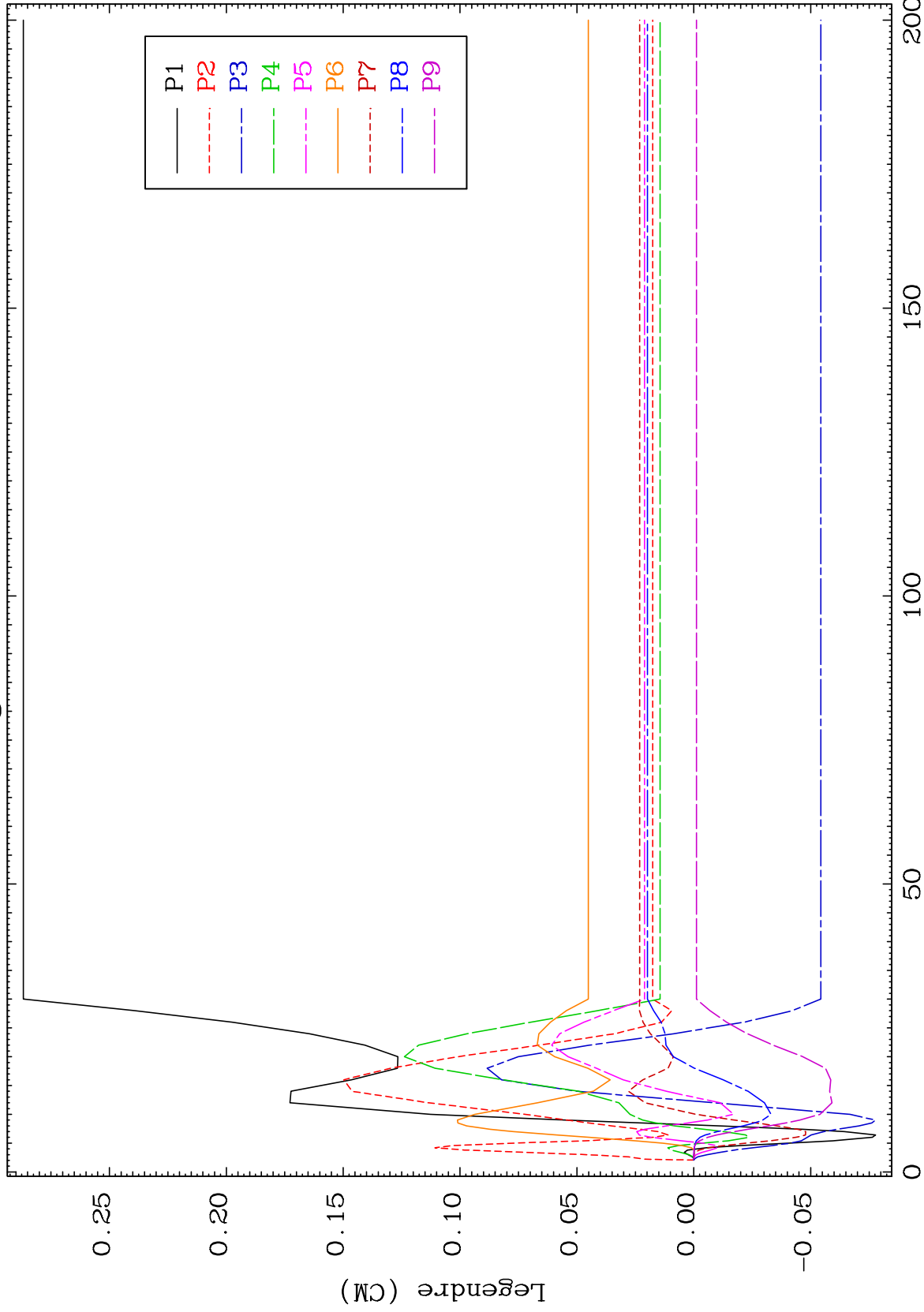
Incident Energy (MeV)

41-Nb-98

MAT 4140

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

41-Nb-98



91

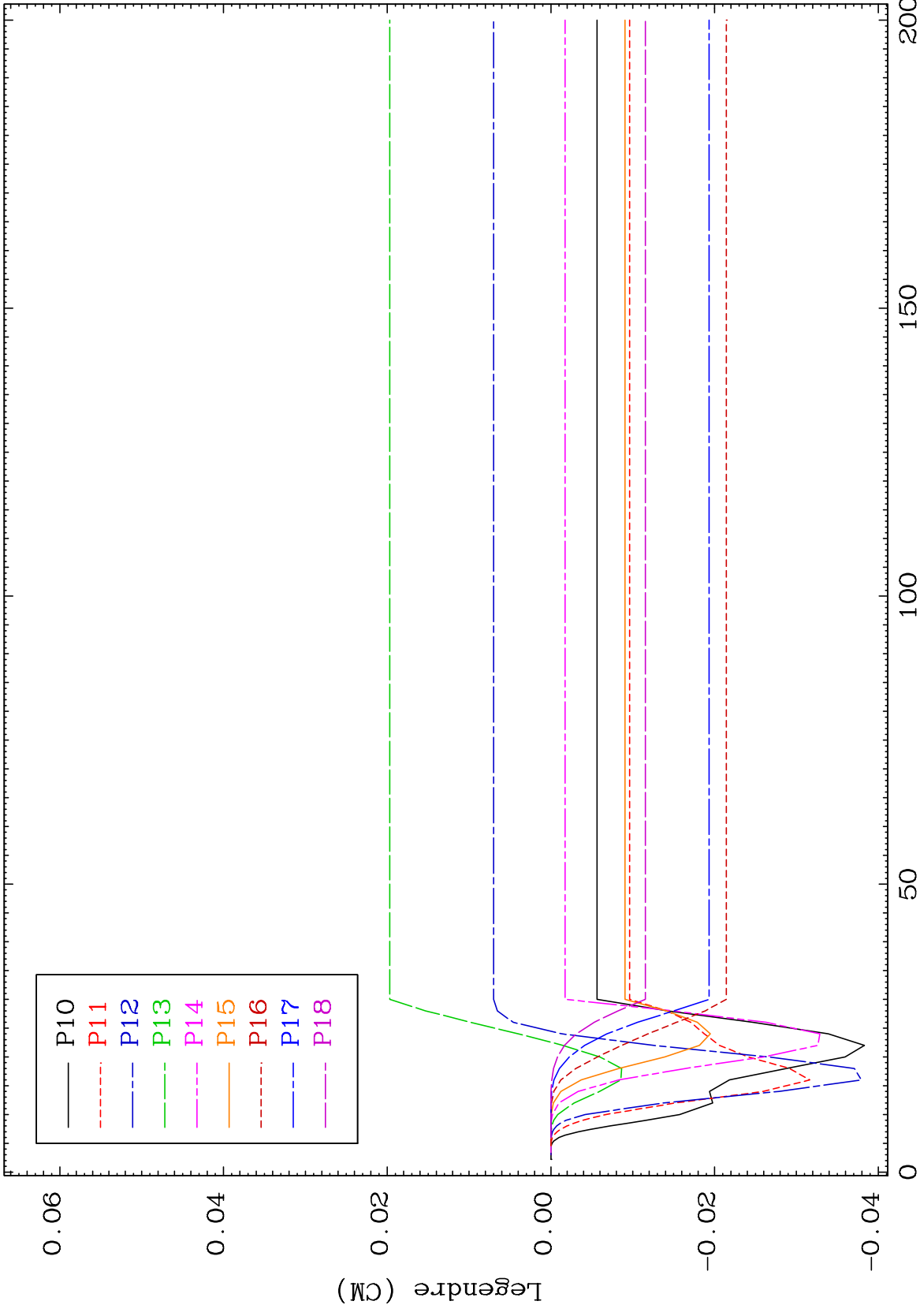
Incident Energy (MeV)

41-Nb-98

MAT 4140

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

41-Nb-98

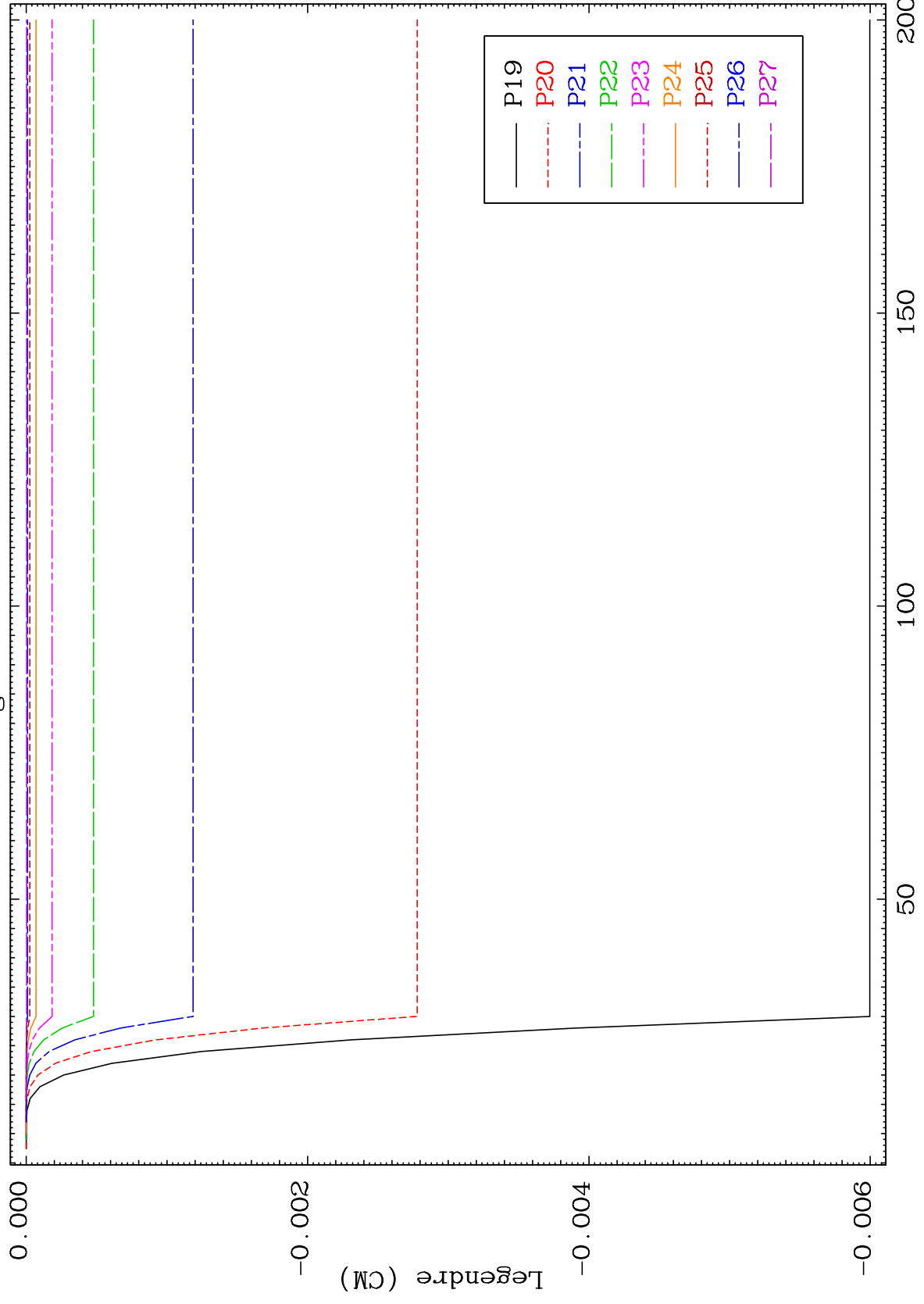


92

Incident Energy (MeV)

41-Nb-98

MAT 4140 MT= 72 (n,n') Level Legendre Coefficients 41-Nb-98

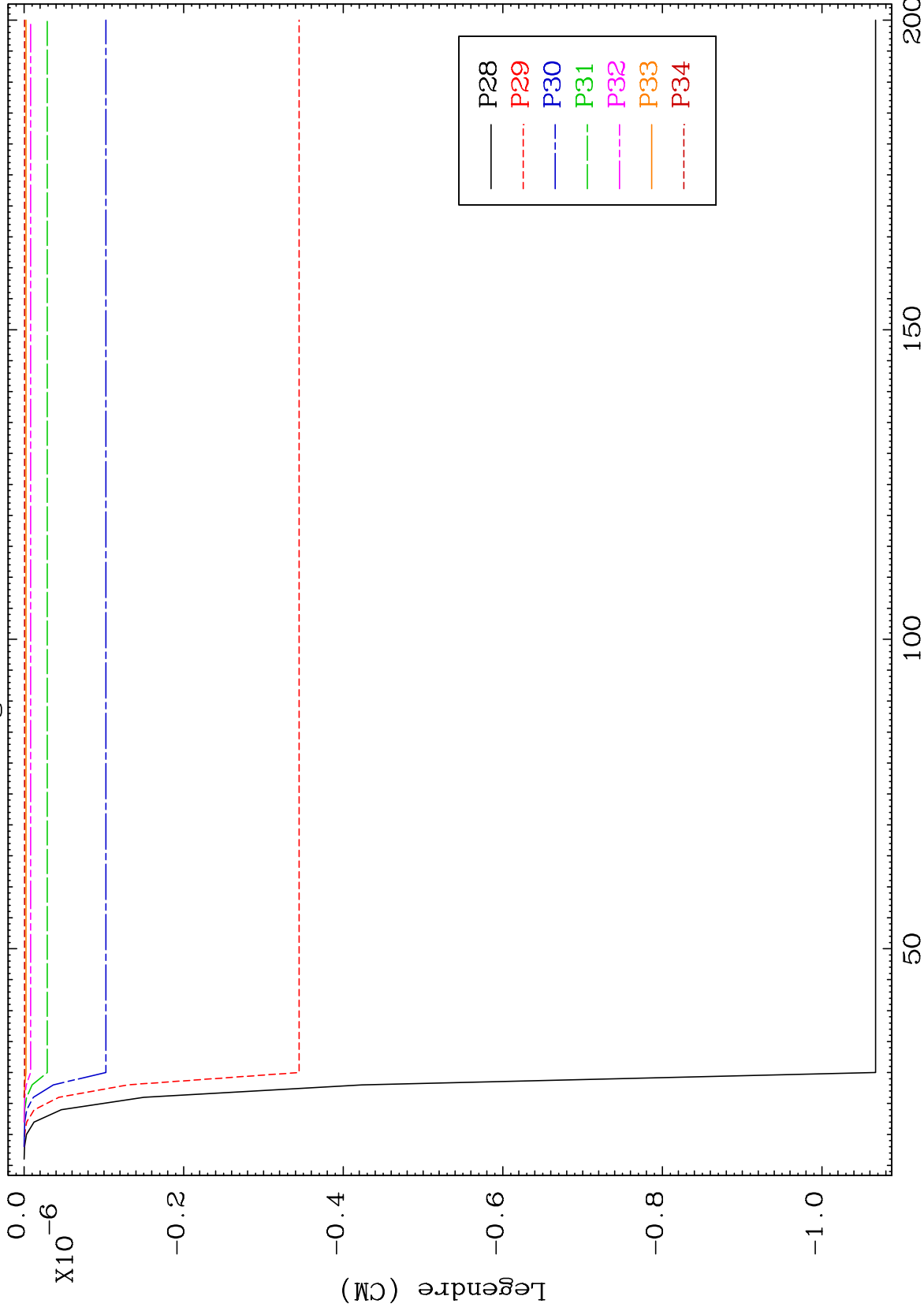


93 41-Nb-98

MAT 4140

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

41-Nb-98



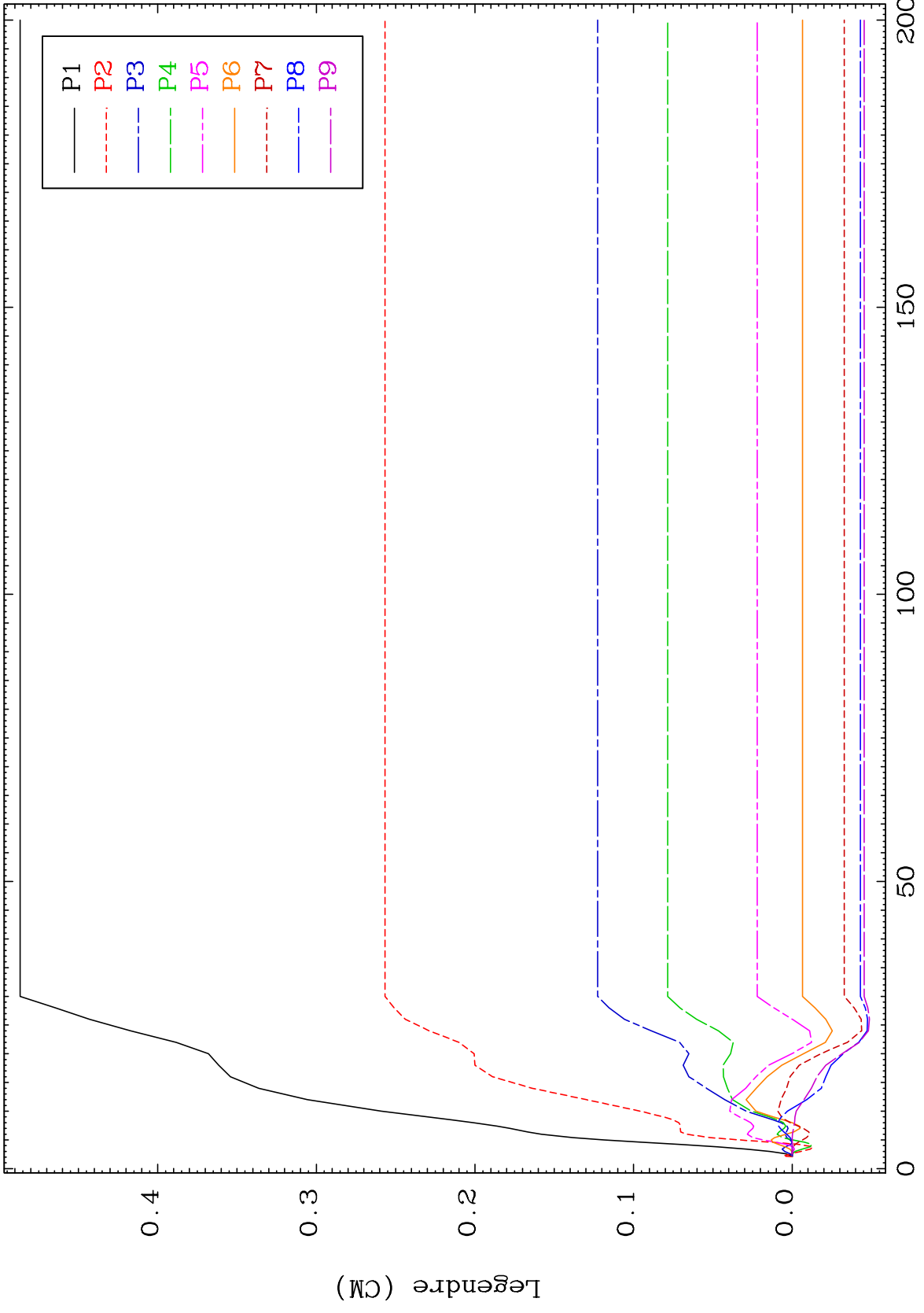
94

41-Nb-98

MAT 4140

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

41-Nb-98



95

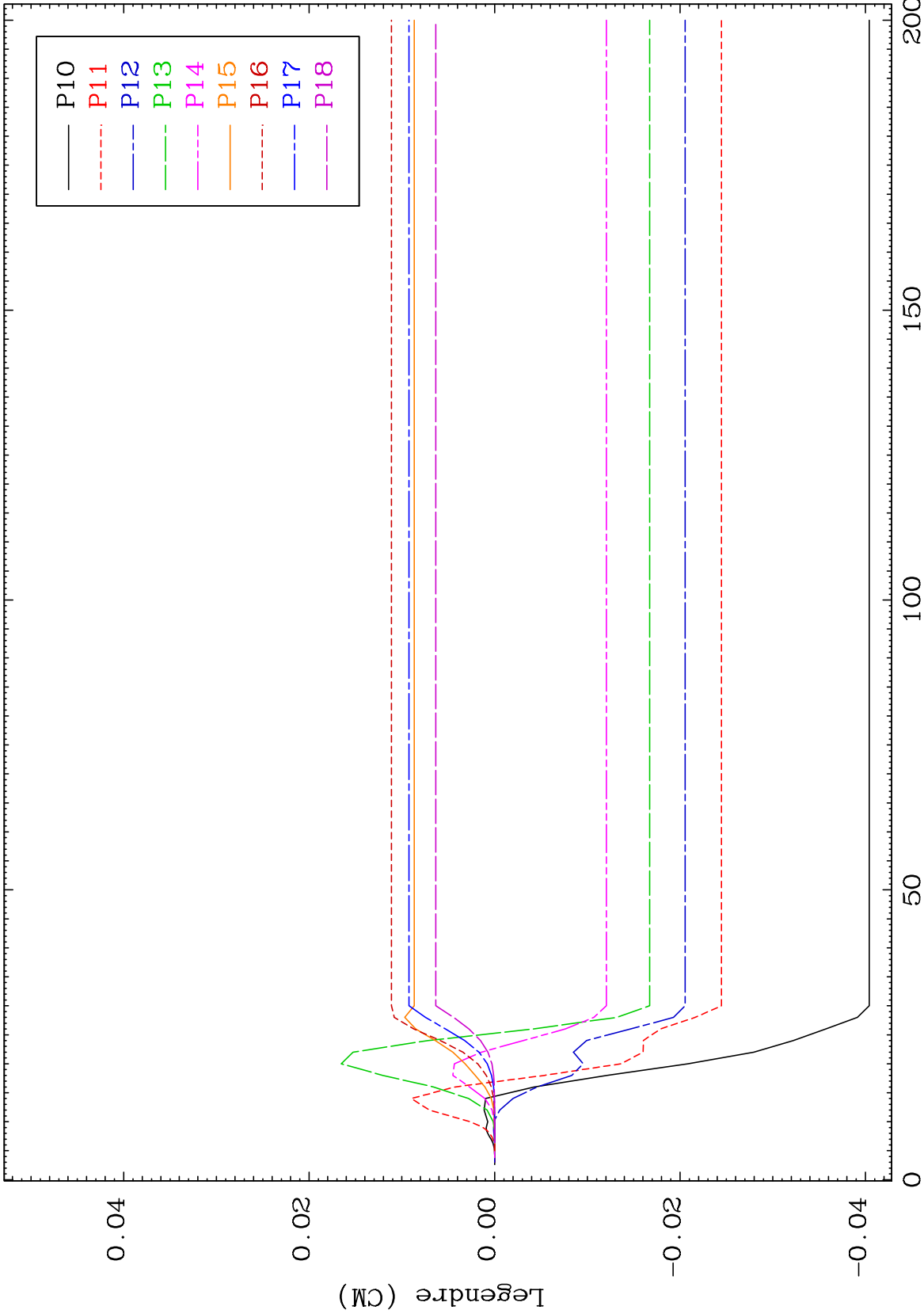
Incident Energy (MeV)

41-Nb-98

MAT 4140

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

41-Nb-98



96

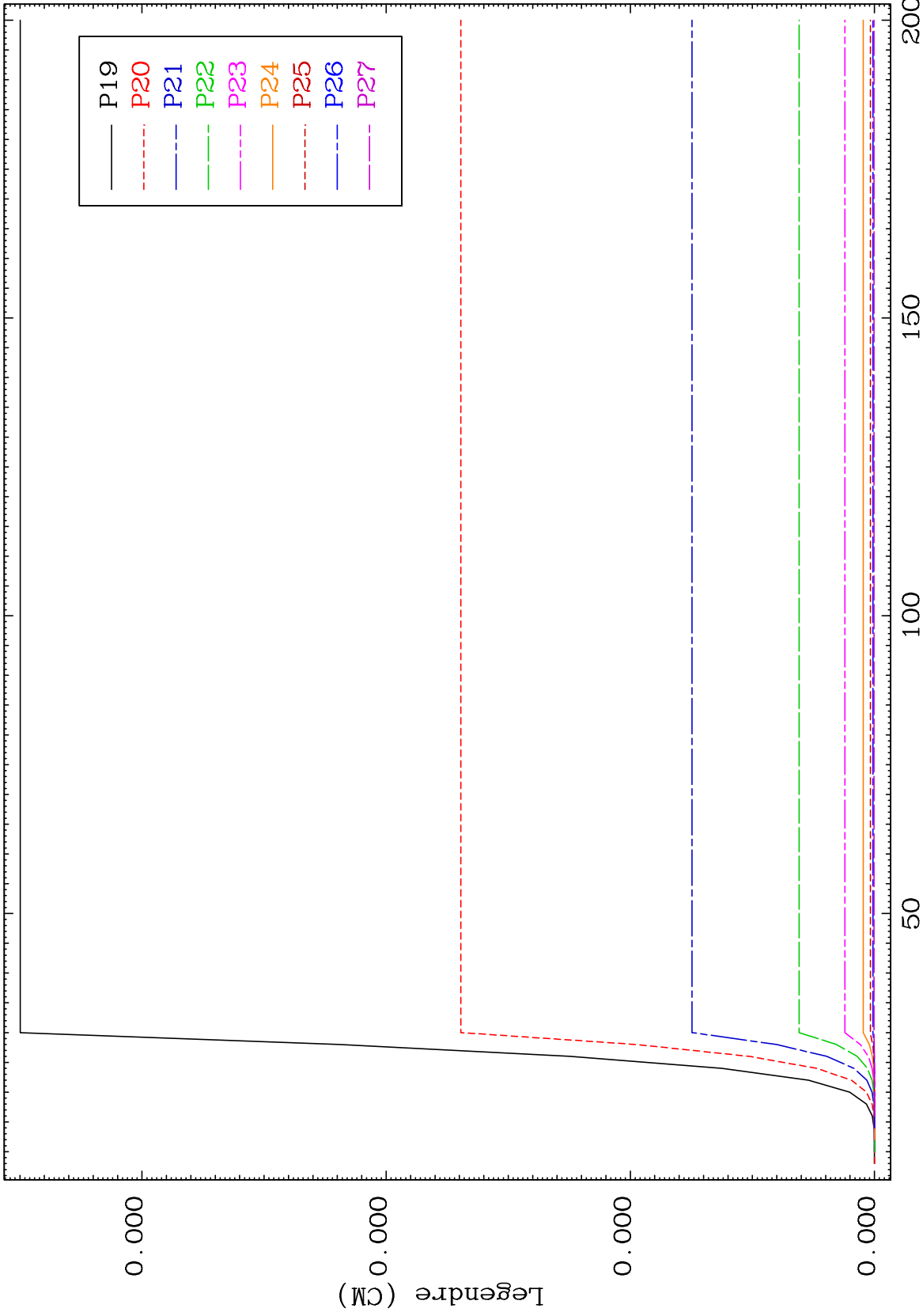
Incident Energy (MeV)

41-Nb-98

MAT 4140

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

41-Nb-98



97

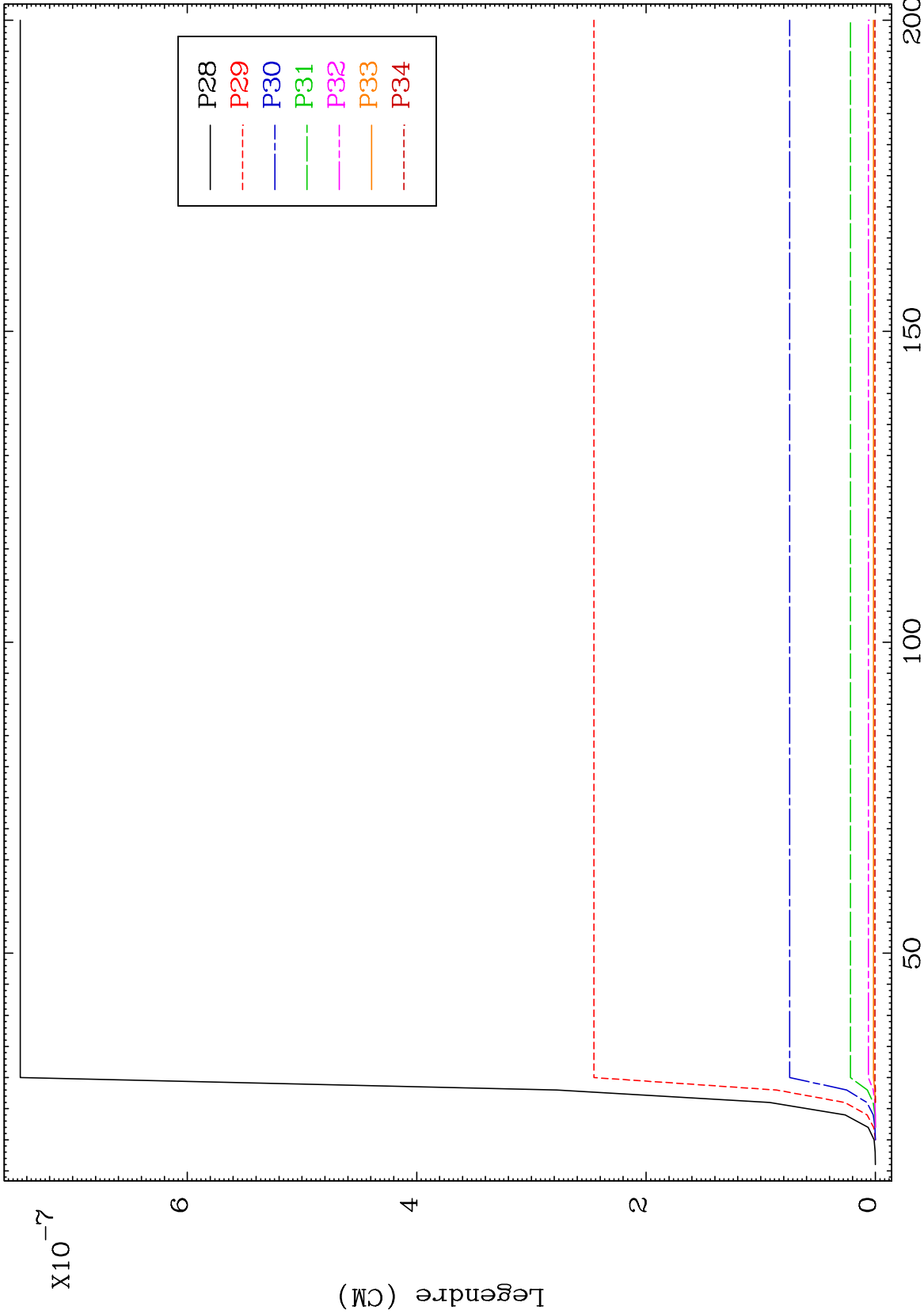
Incident Energy (MeV)

41-Nb-98

MAT 4140

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

41-Nb-98



98

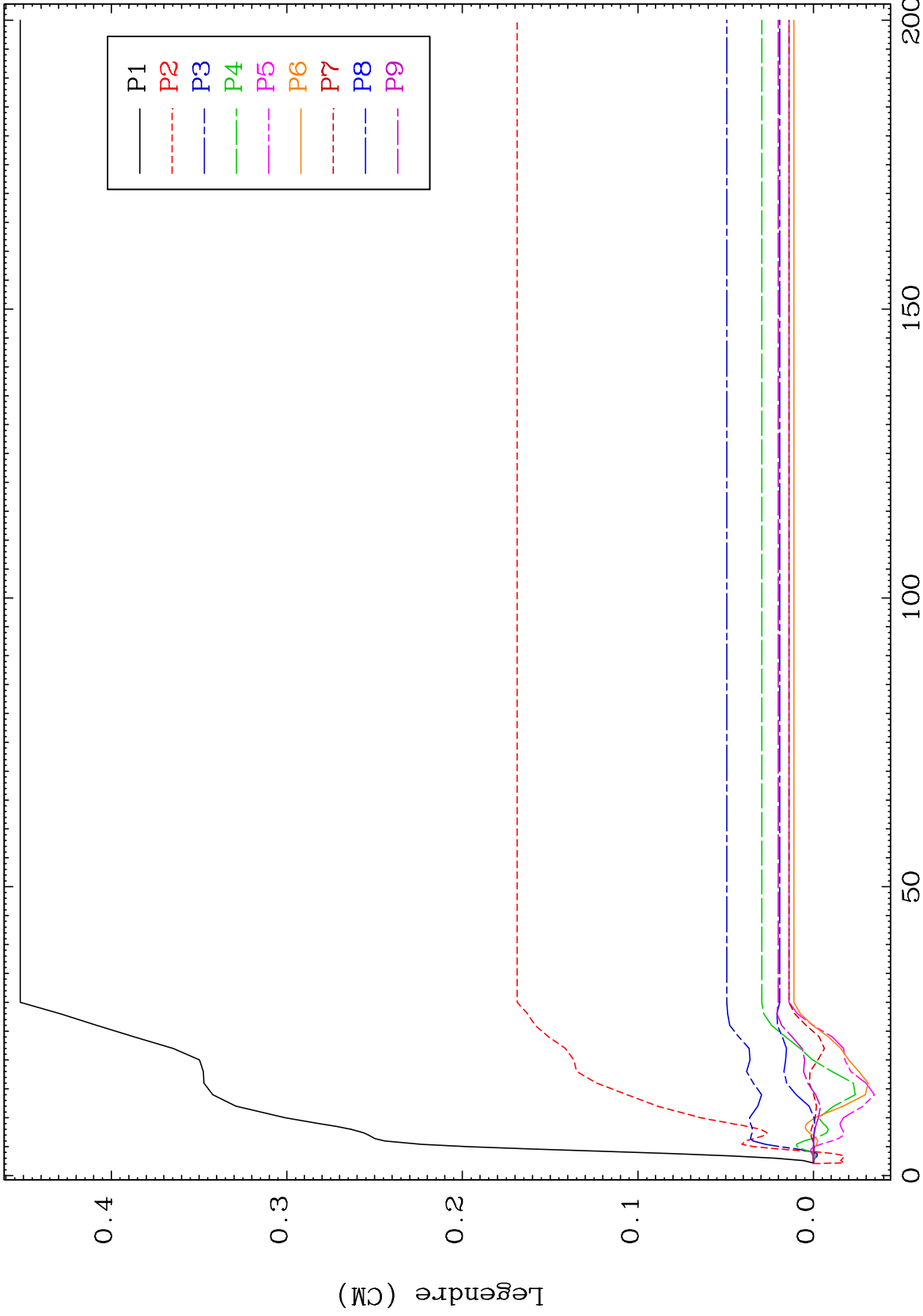
Incident Energy (MeV)

41-Nb-98

MAT 4140

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

41-Nb-98



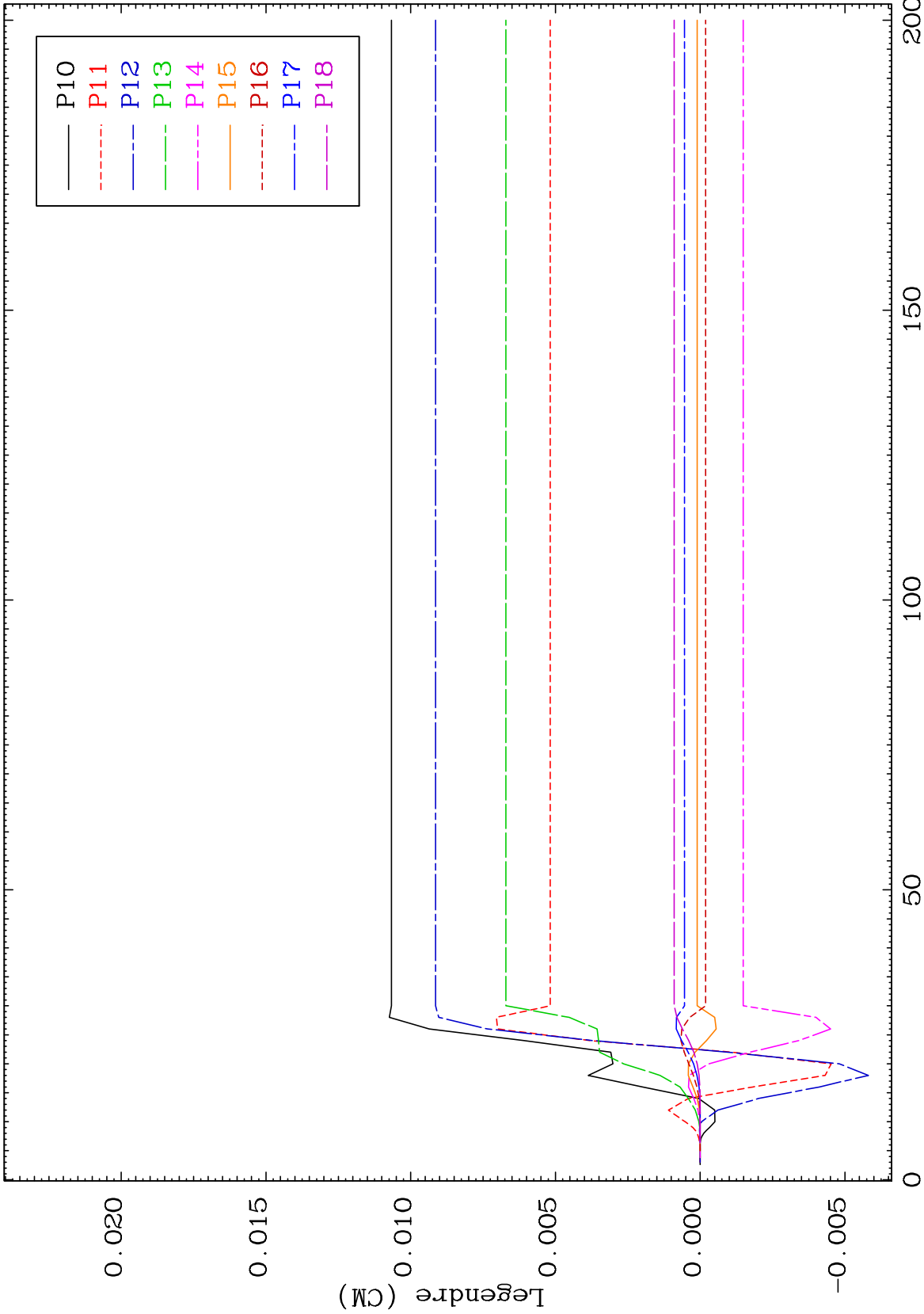
99

41-Nb-98

MAT 4140

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

41-Nb-98



41-Nb-98

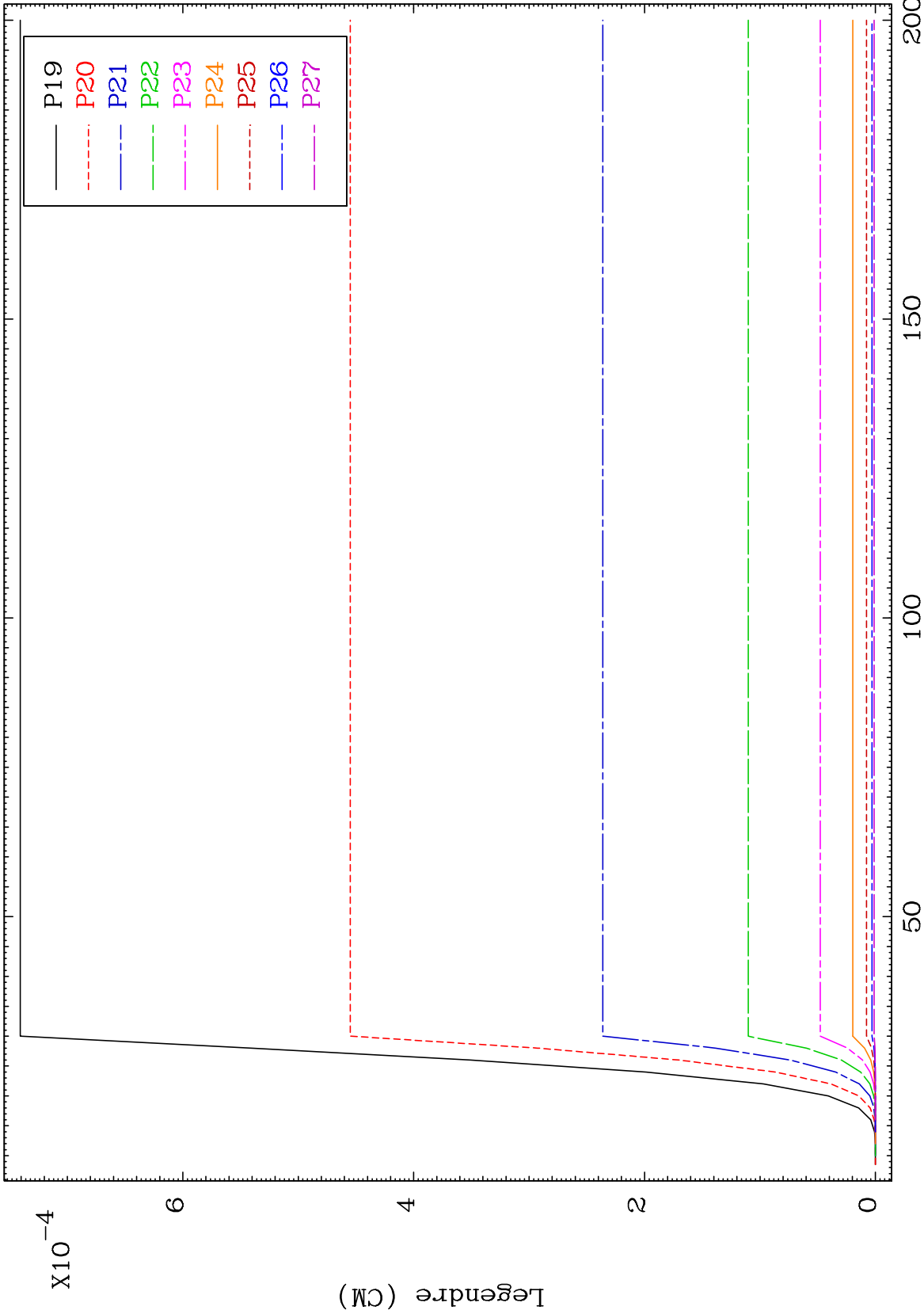
Incident Energy (MeV)

Legendre (CM)

MAT 4140

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

41-Nb-98



101

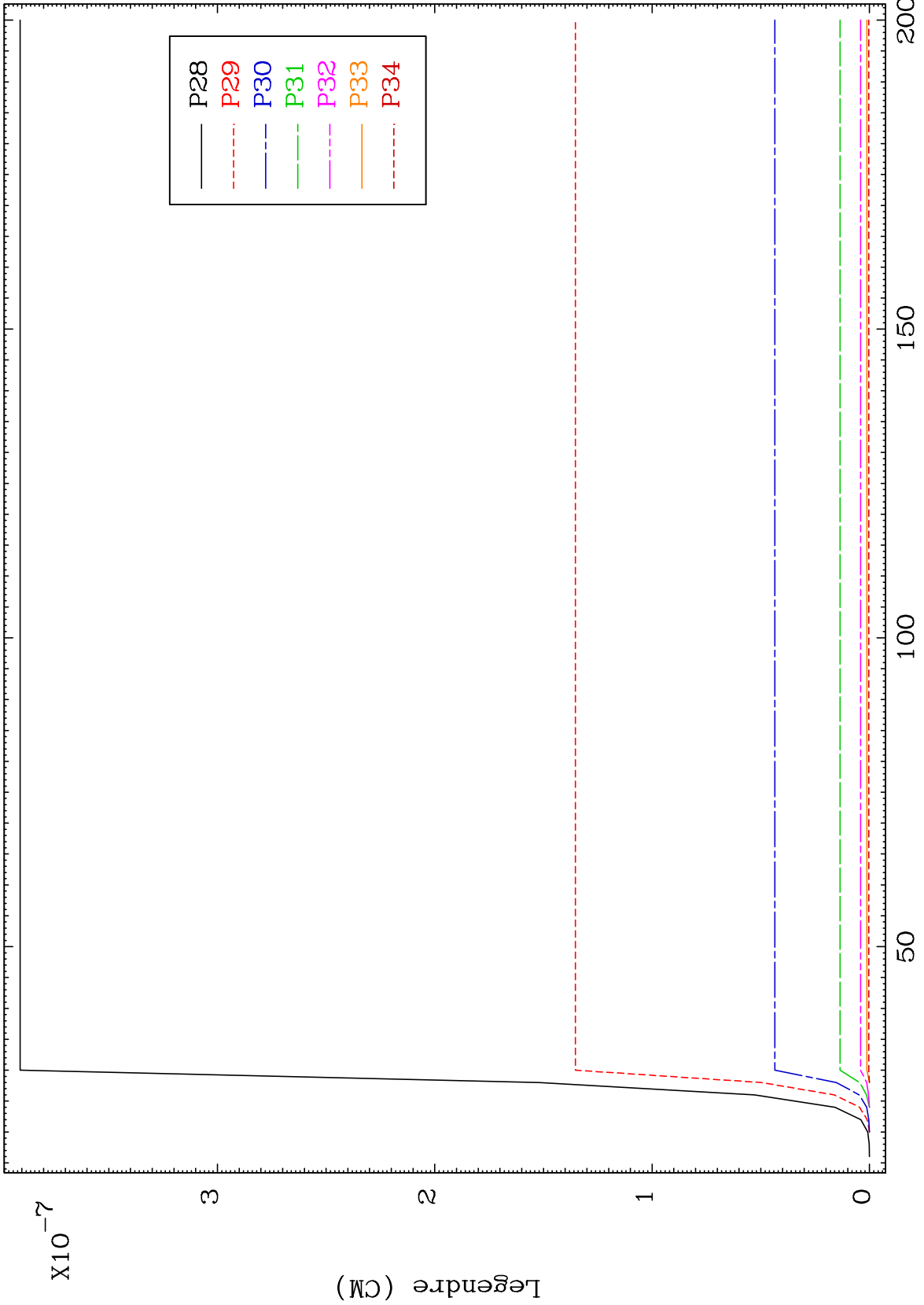
Incident Energy (MeV)

41-Nb-98

MAT 4140

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

41-Nb-98

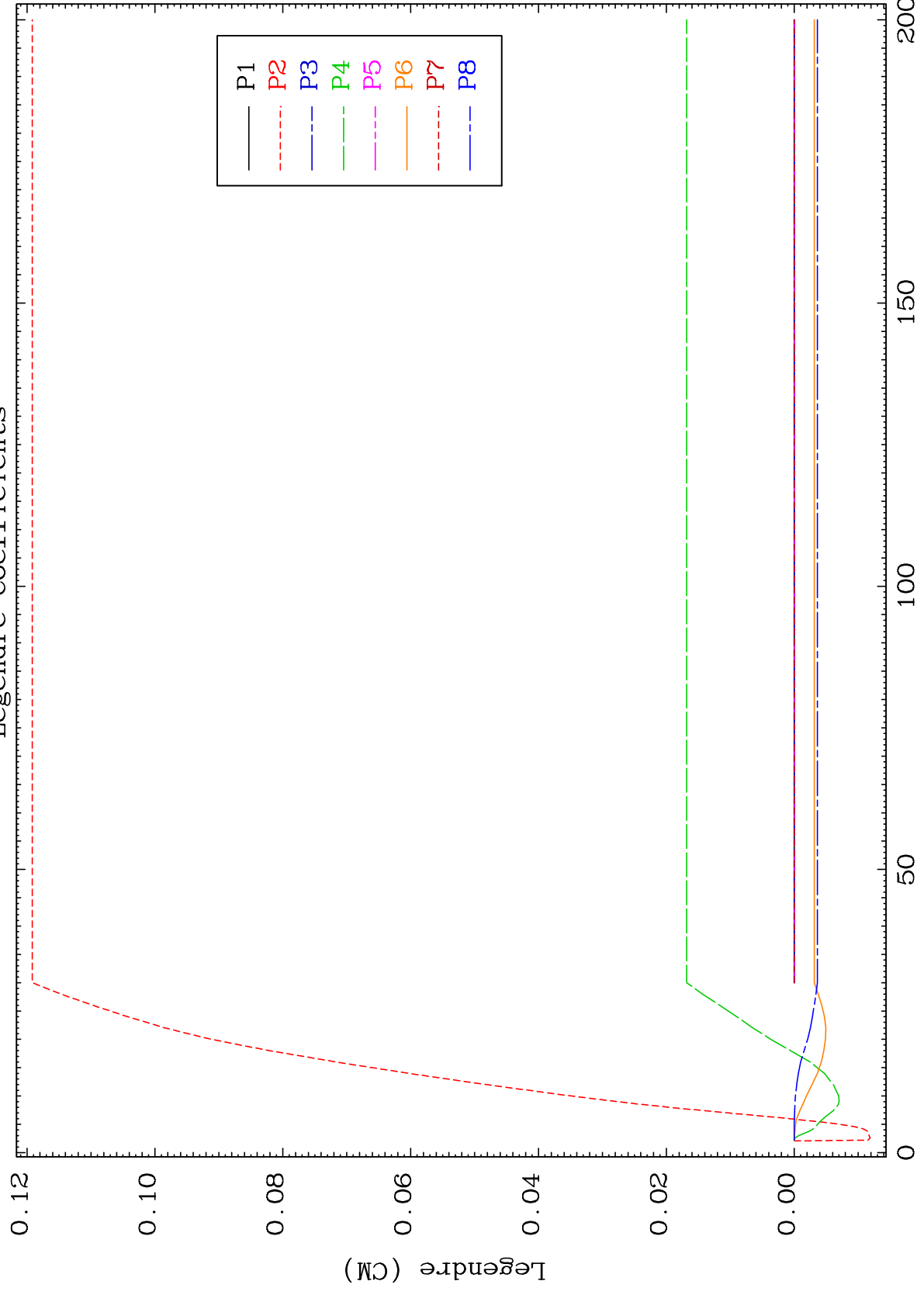


102

Incident Energy (MeV)

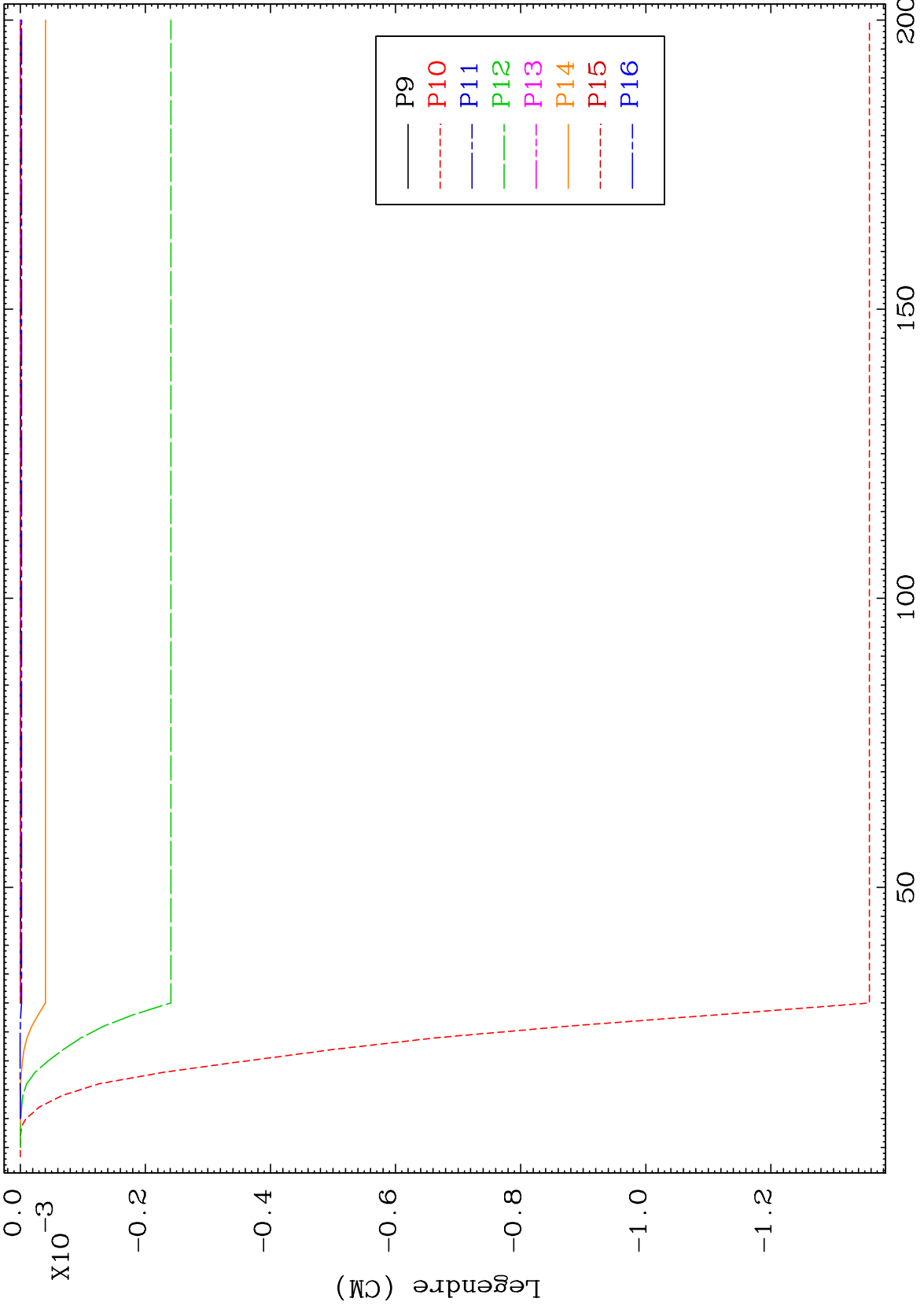
41-Nb-98

MAT 4140 MT= 75 (n,n') Level Legendre Coefficients 41-Nb-98



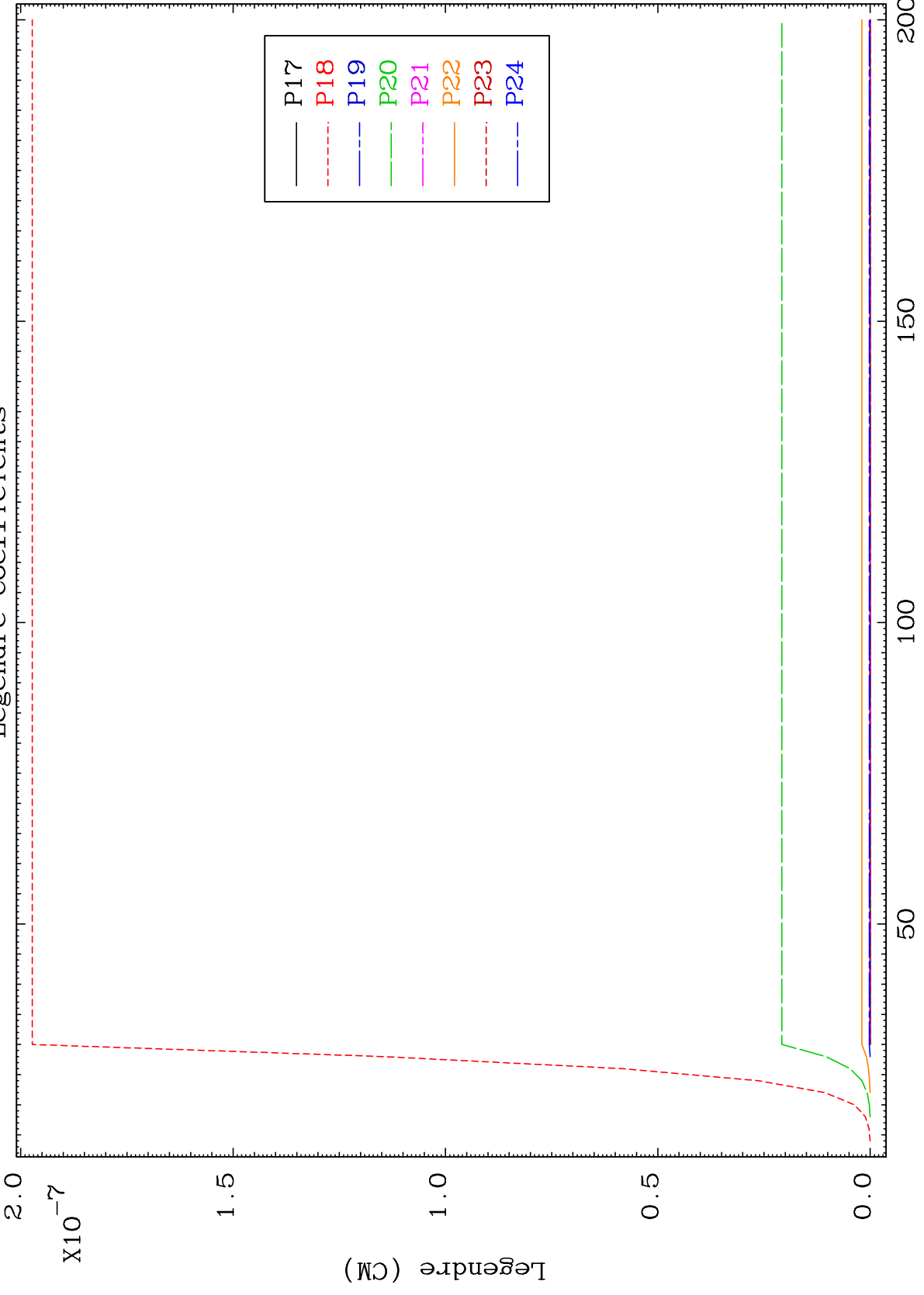
103 Incident Energy (MeV) 41-Nb-98

MAT 4140 MT= 75 (n,n') Level Legendre Coefficients 41-Nb-98



104 41-Nb-98

MAT 4140 MT= 75 (n,n') Level Legendre Coefficients 41-Nb-98

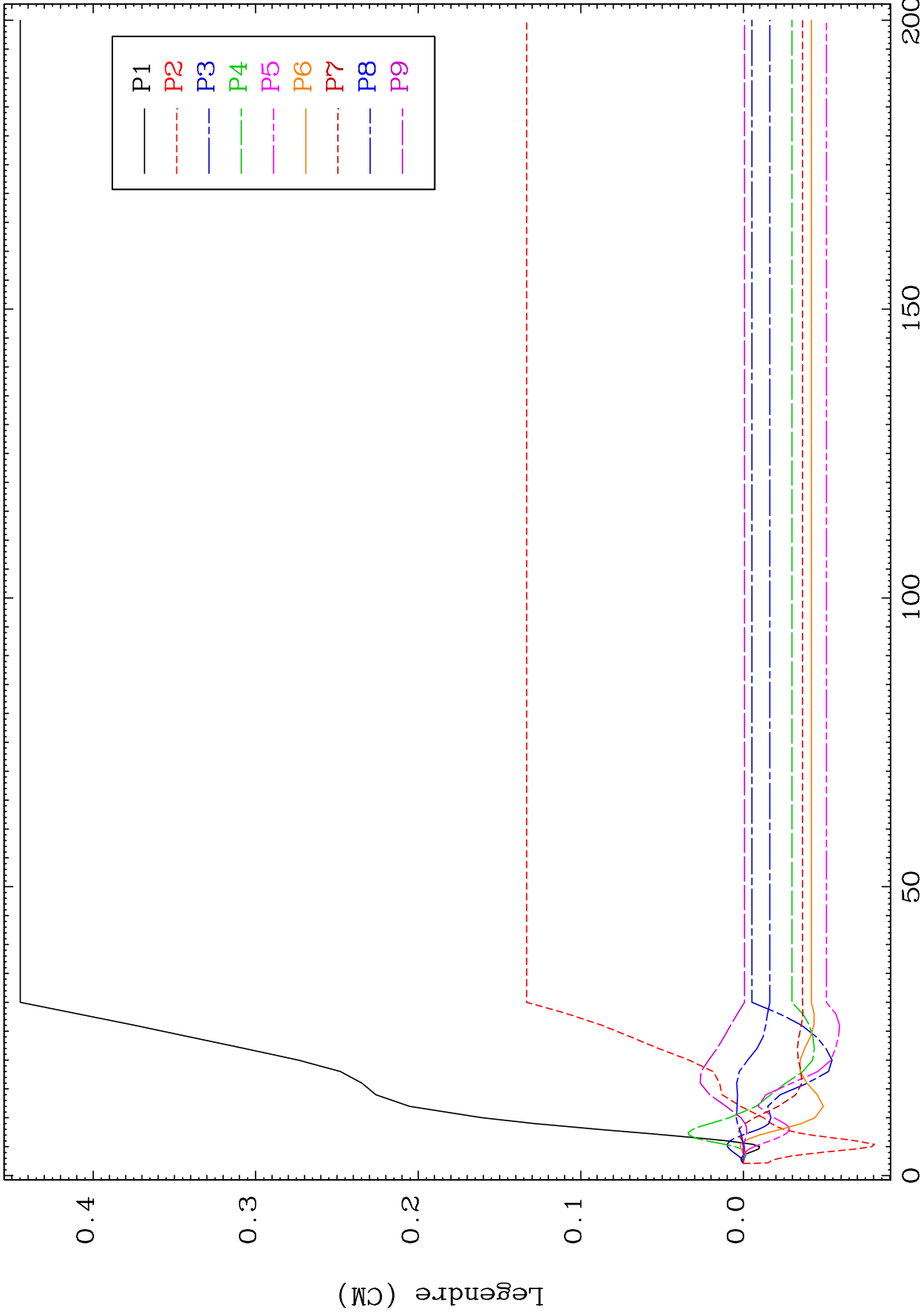


41-Nb-98

MAT 4140

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

41-Nb-98



106

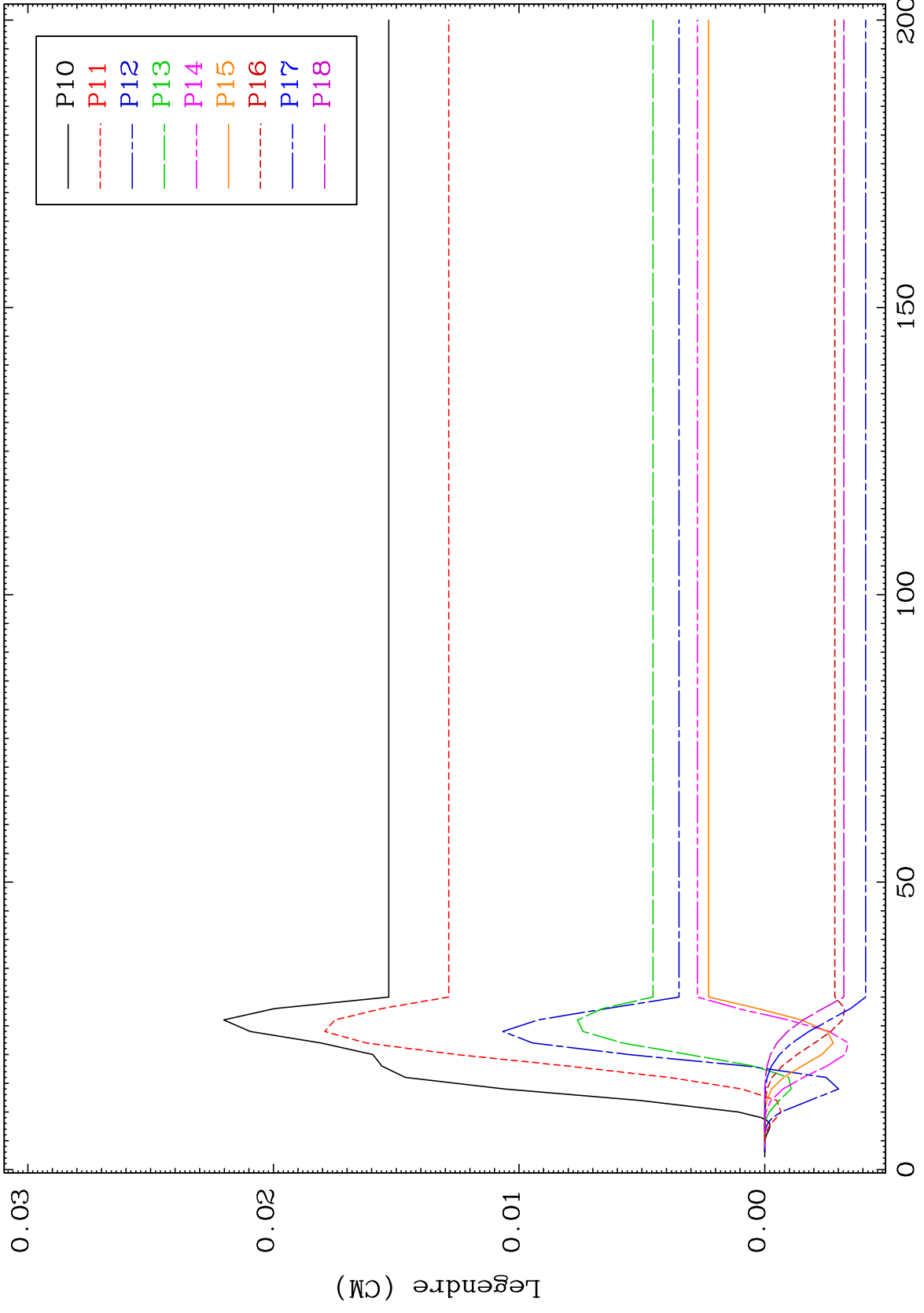
Incident Energy (MeV)

41-Nb-98

MAT 4140

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

41-Nb-98

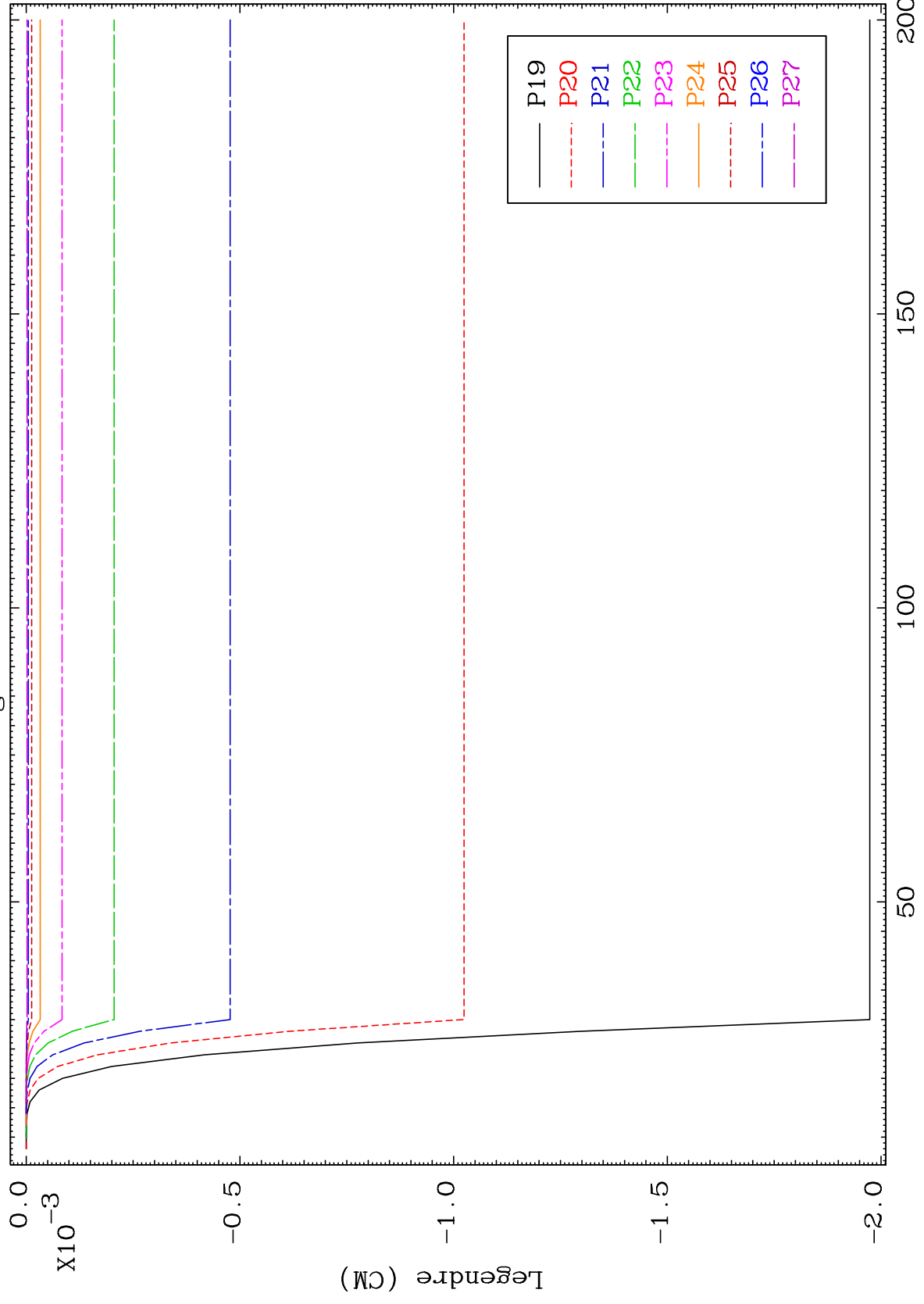


107

Incident Energy (MeV)

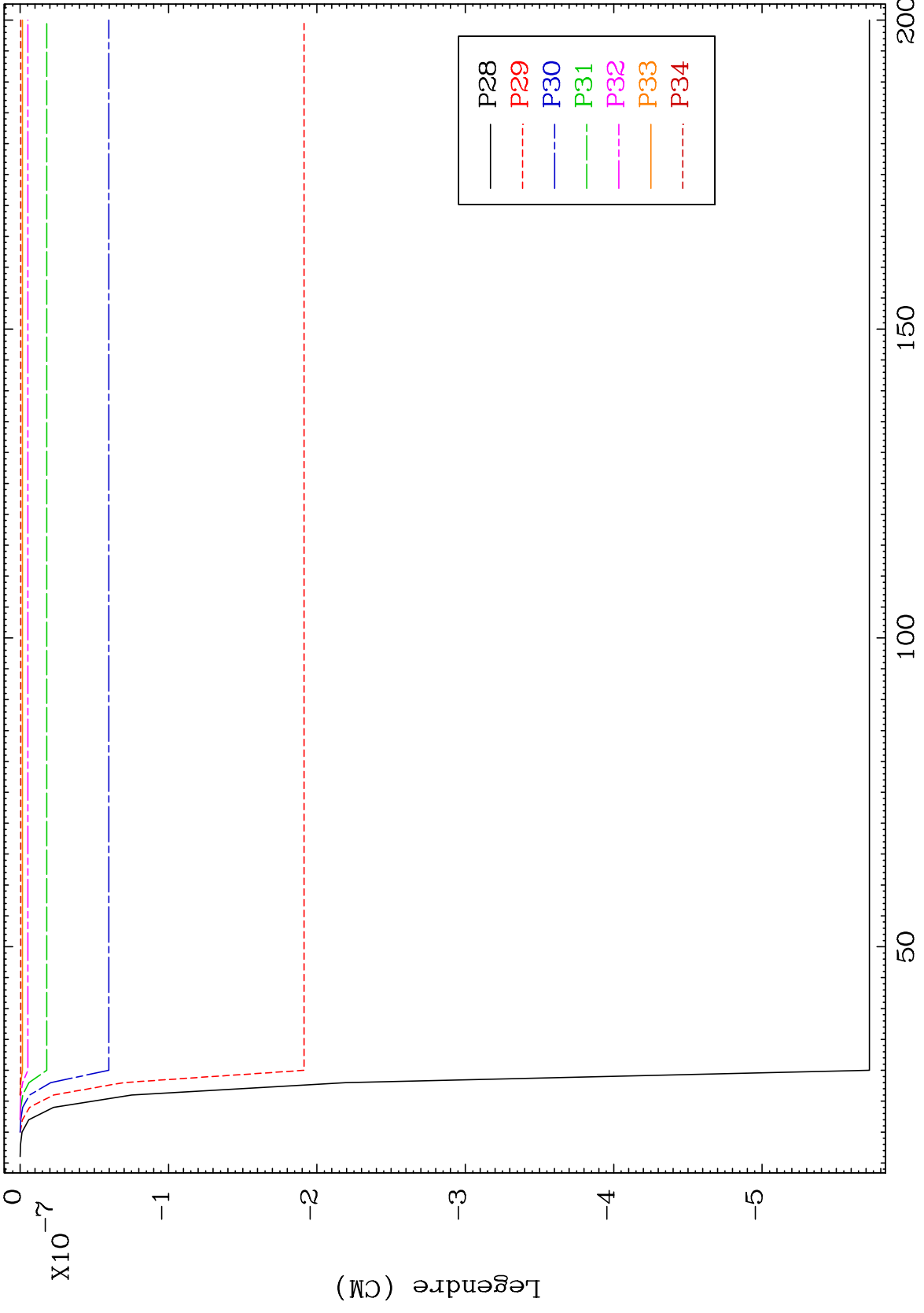
41-Nb-98

MAT 4140 MT= 76 (n,n') Level Legendre Coefficients 41-Nb-98



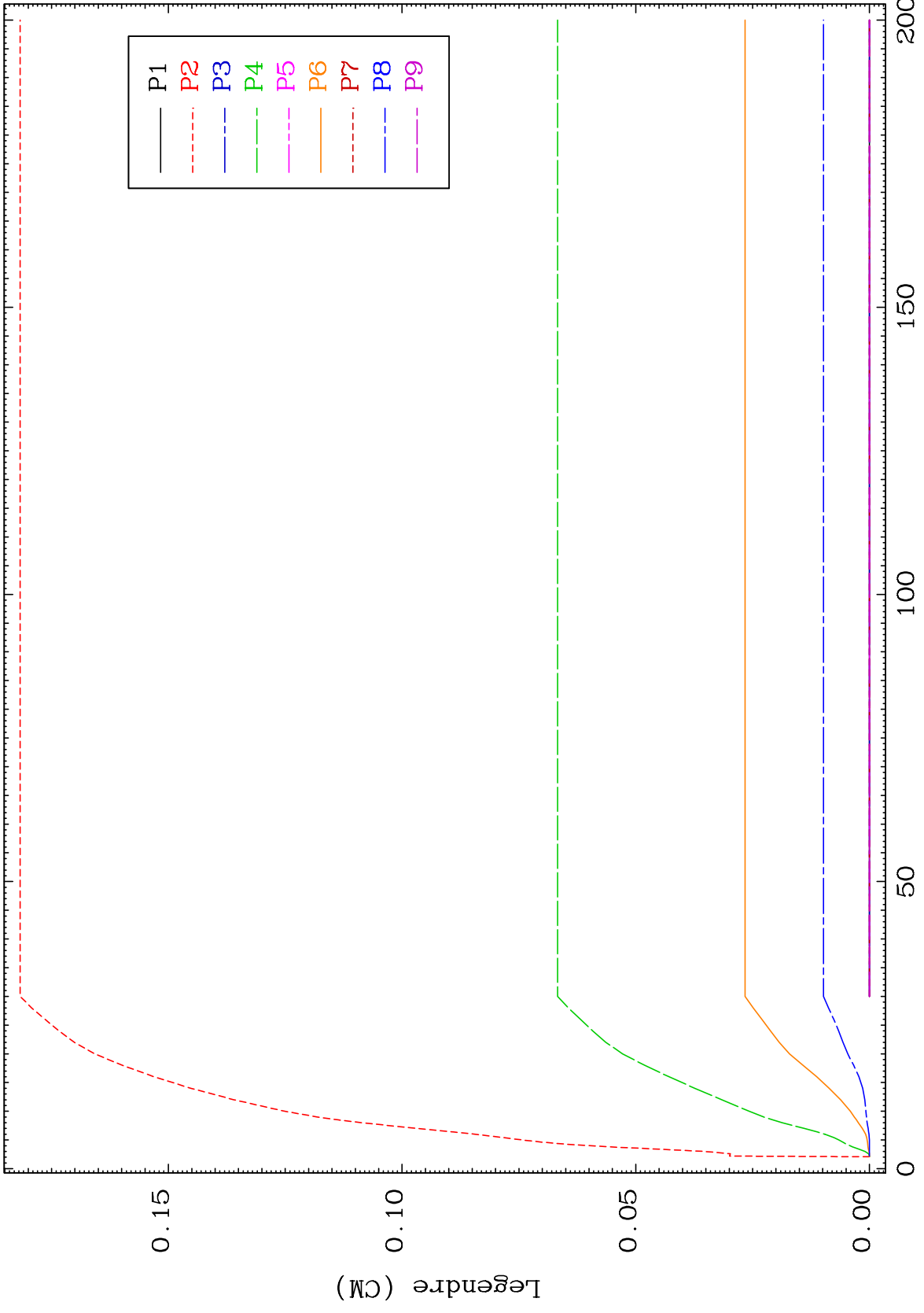
108 41-Nb-98

MAT 4140 MT= 76 (n,n') Level Legendre Coefficients 41-Nb-98



109 41-Nb-98

MAT 4140 MT= 77 (n,n') Level Legendre Coefficients 41-Nb-98

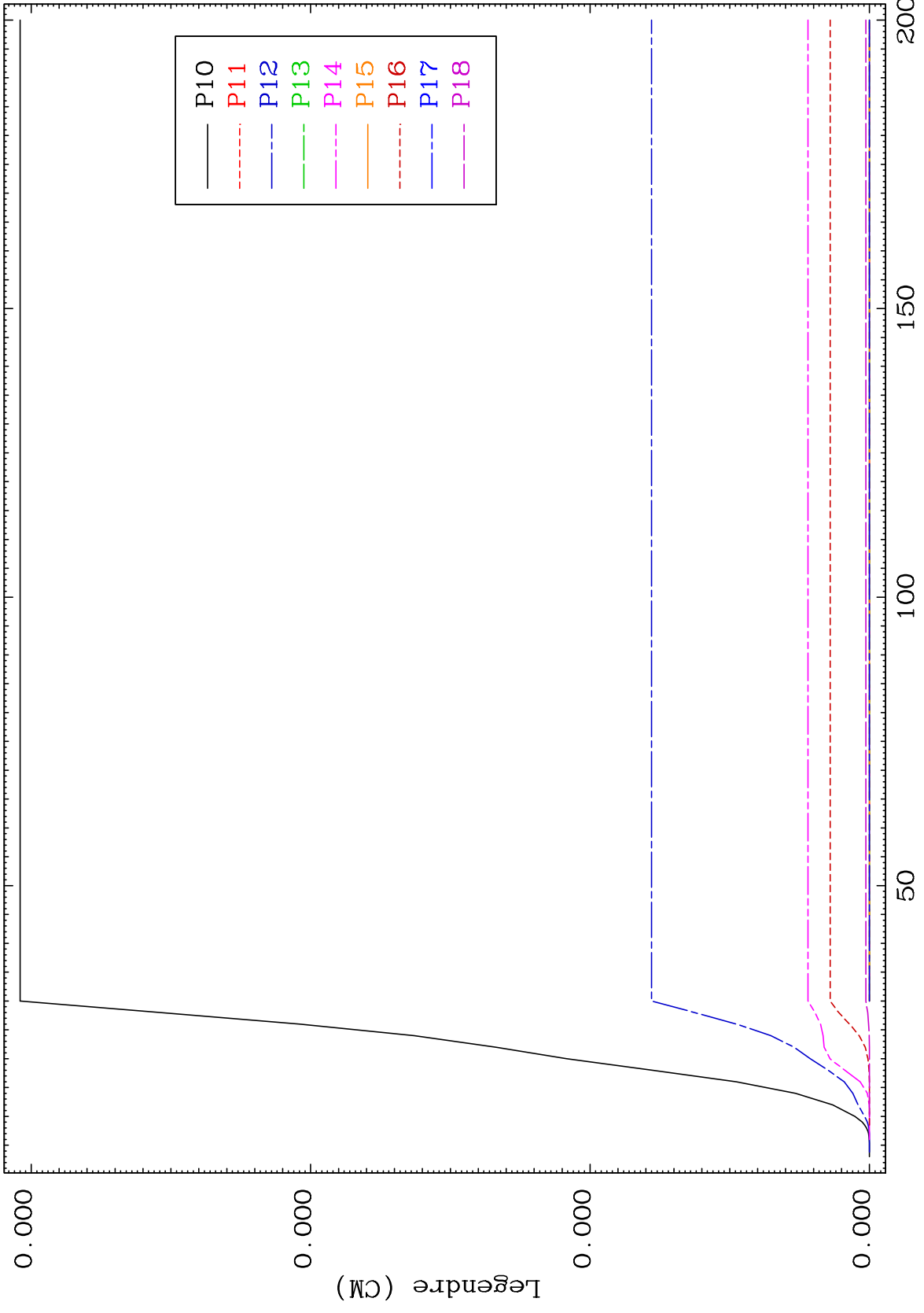


110 Incident Energy (MeV) 41-Nb-98

MAT 4140

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

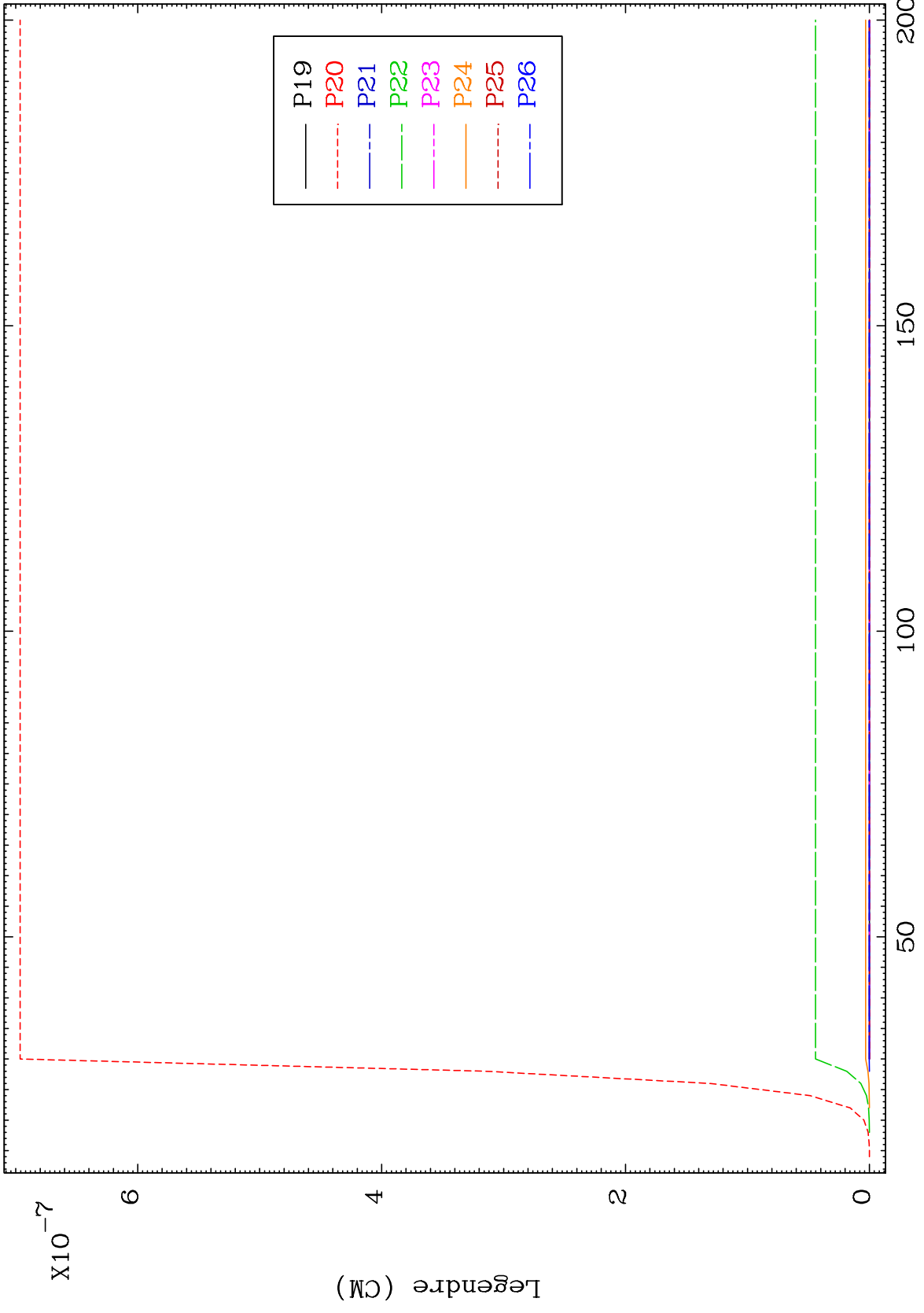
41-Nb-98



111

41-Nb-98

MAT 4140 MT= 77 (n,n') Level Legendre Coefficients 41-Nb-98

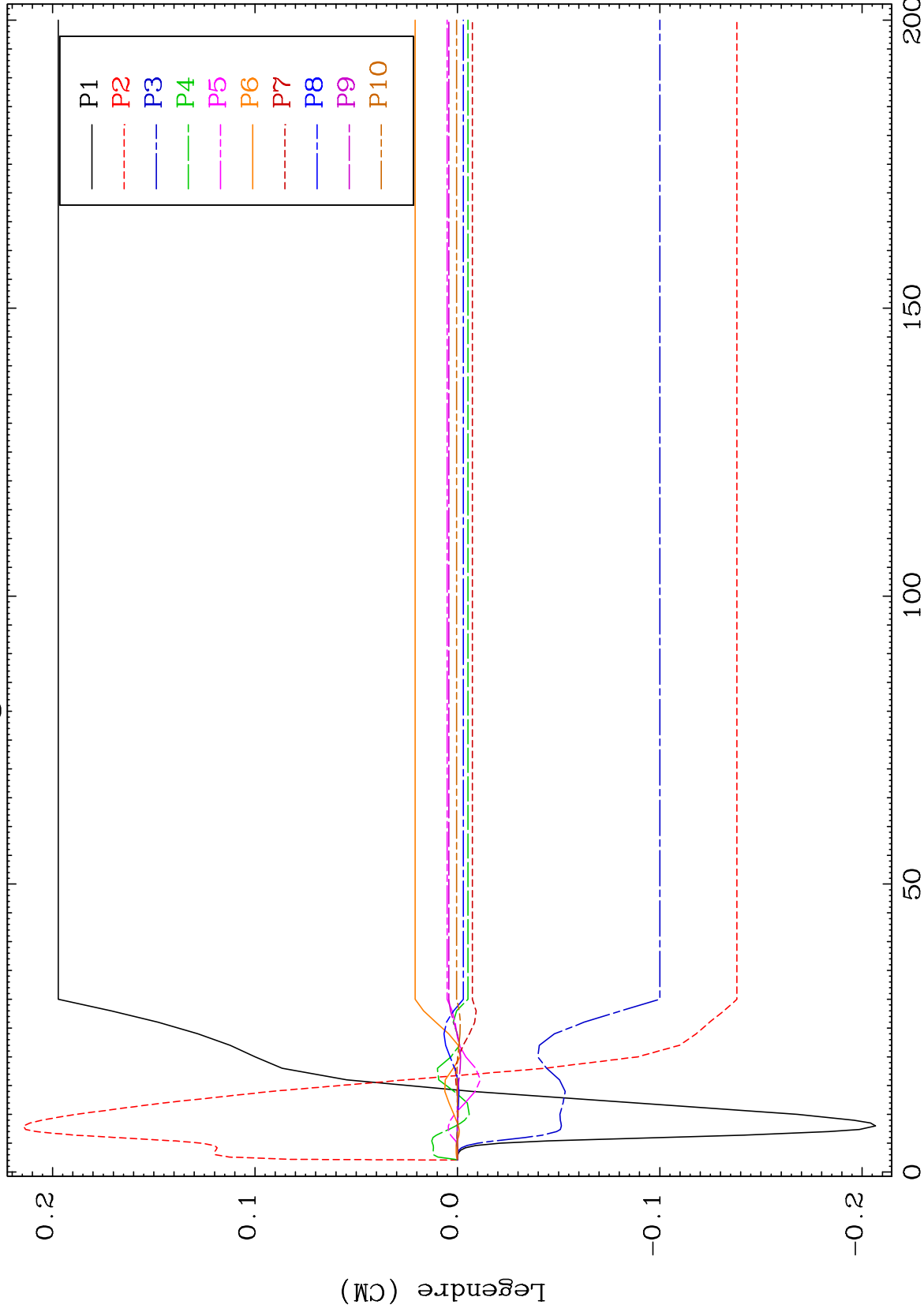


112 Incident Energy (MeV) 41-Nb-98

MAT 4140

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

41-Nb-98



113

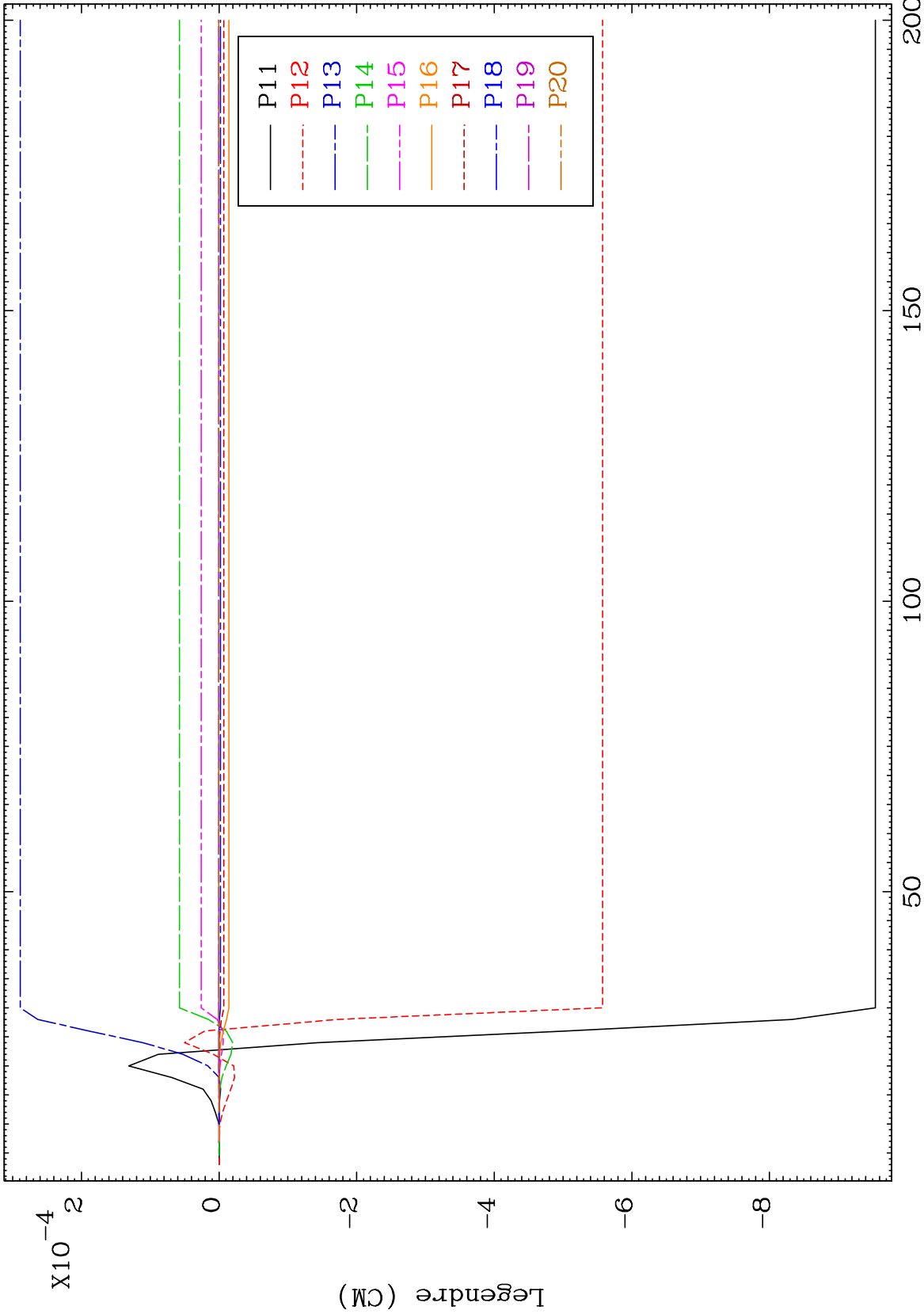
Incident Energy (MeV)

41-Nb-98

MAT 4140

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

41-Nb-98



114

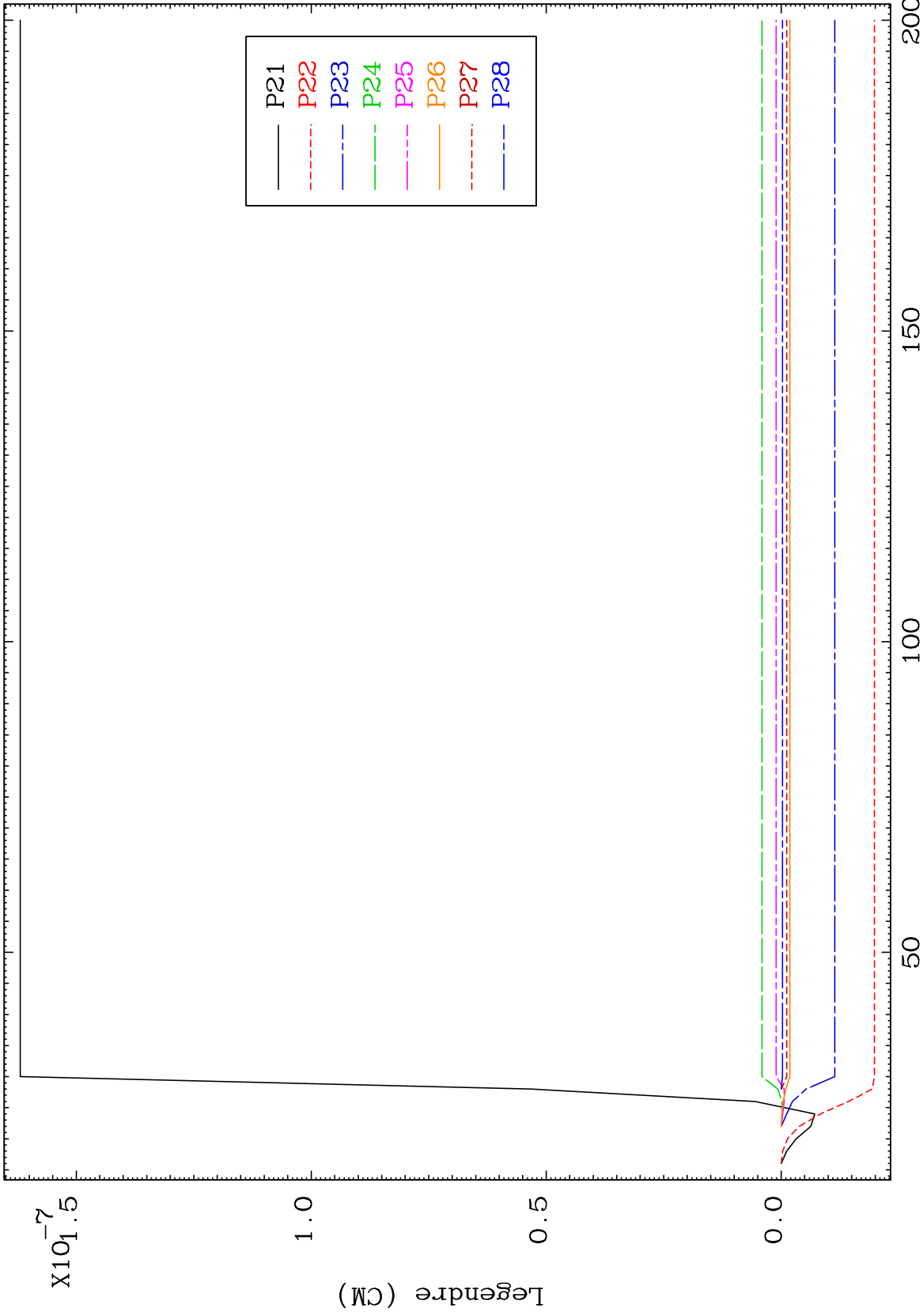
Incident Energy (MeV)

41-Nb-98

MAT 4140

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

41-Nb-98

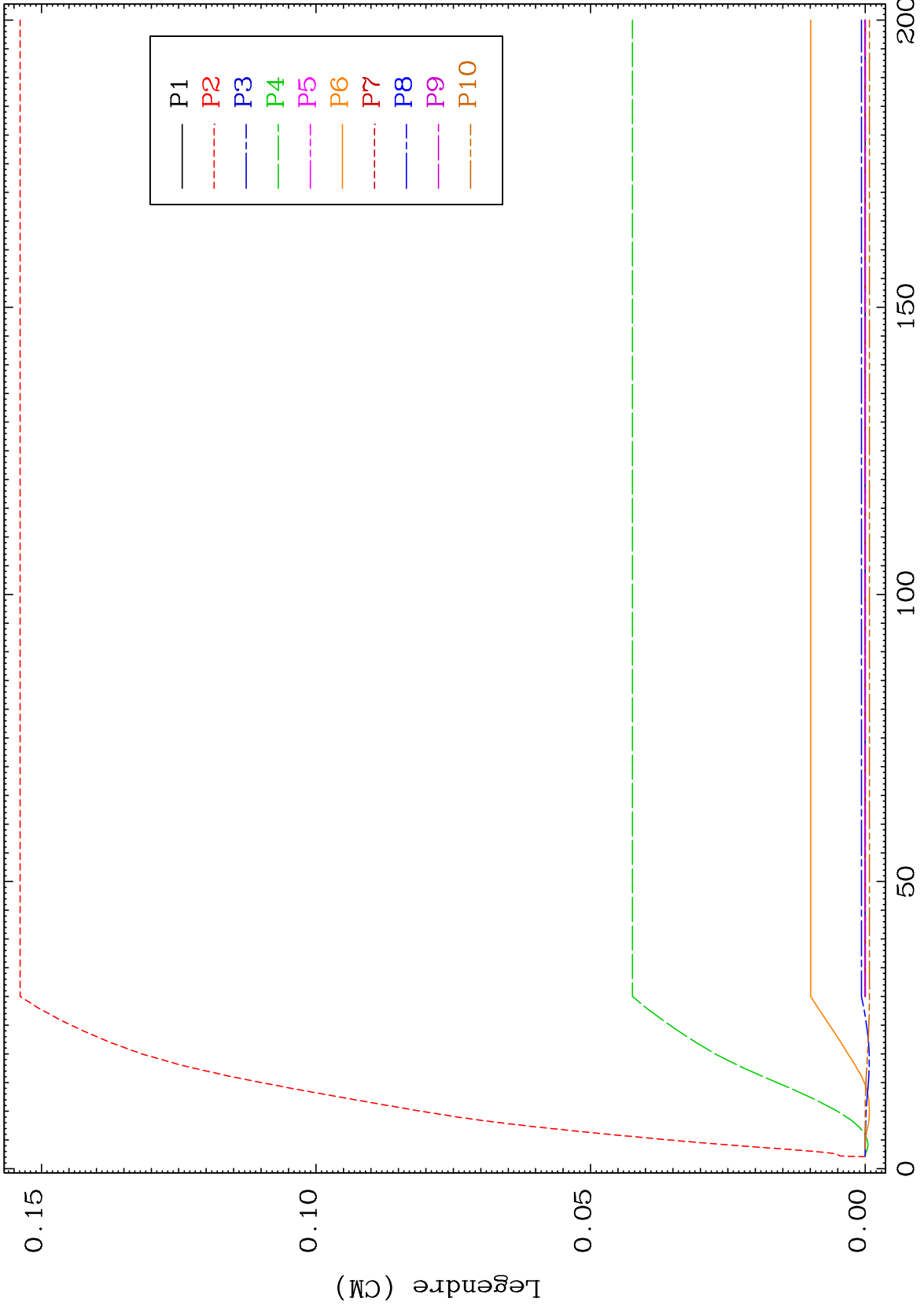


115

Incident Energy (MeV)

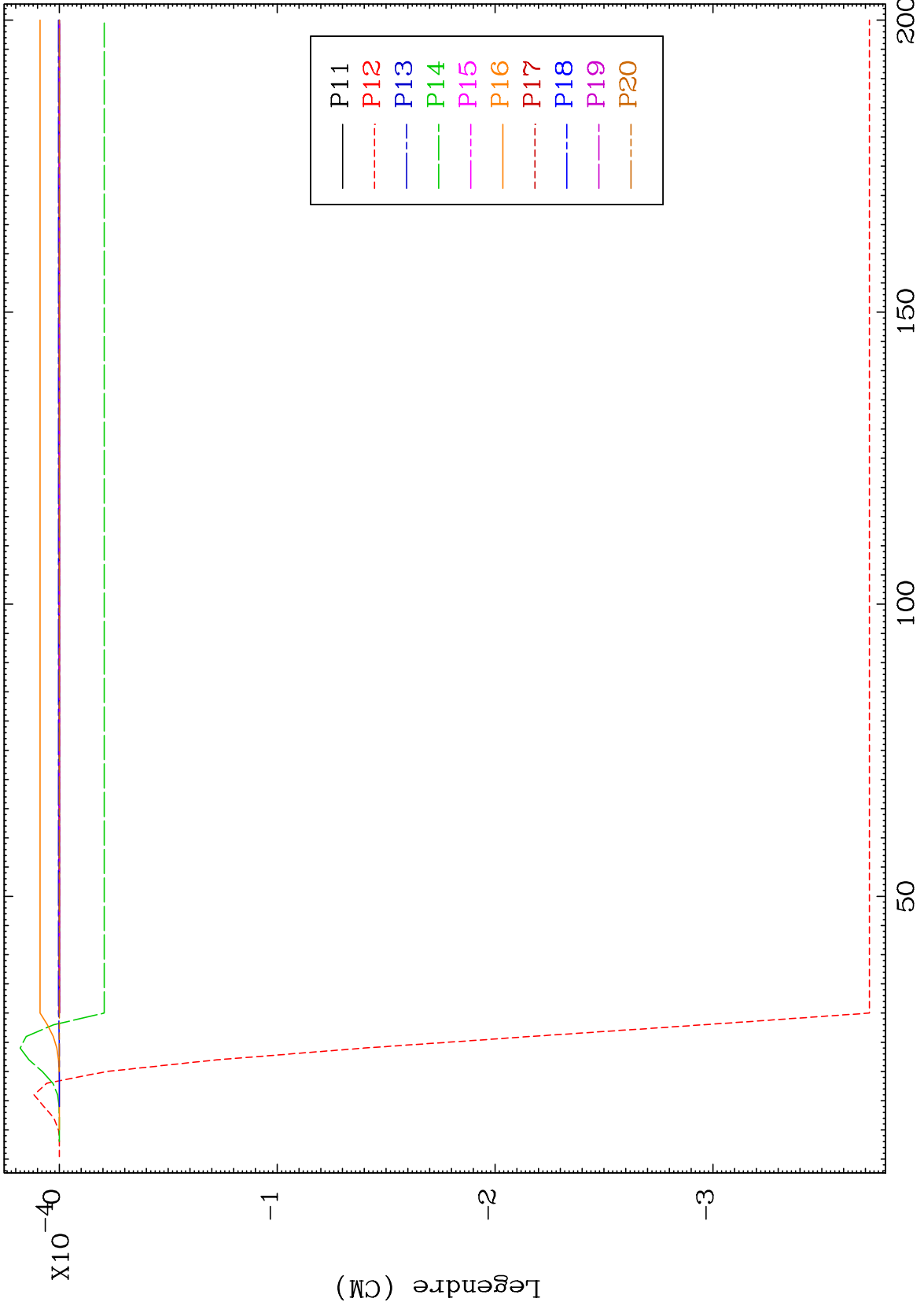
41-Nb-98

MAT 4140 MT= 79 (n,n') Level Legendre Coefficients 41-Nb-98



116 41-Nb-98

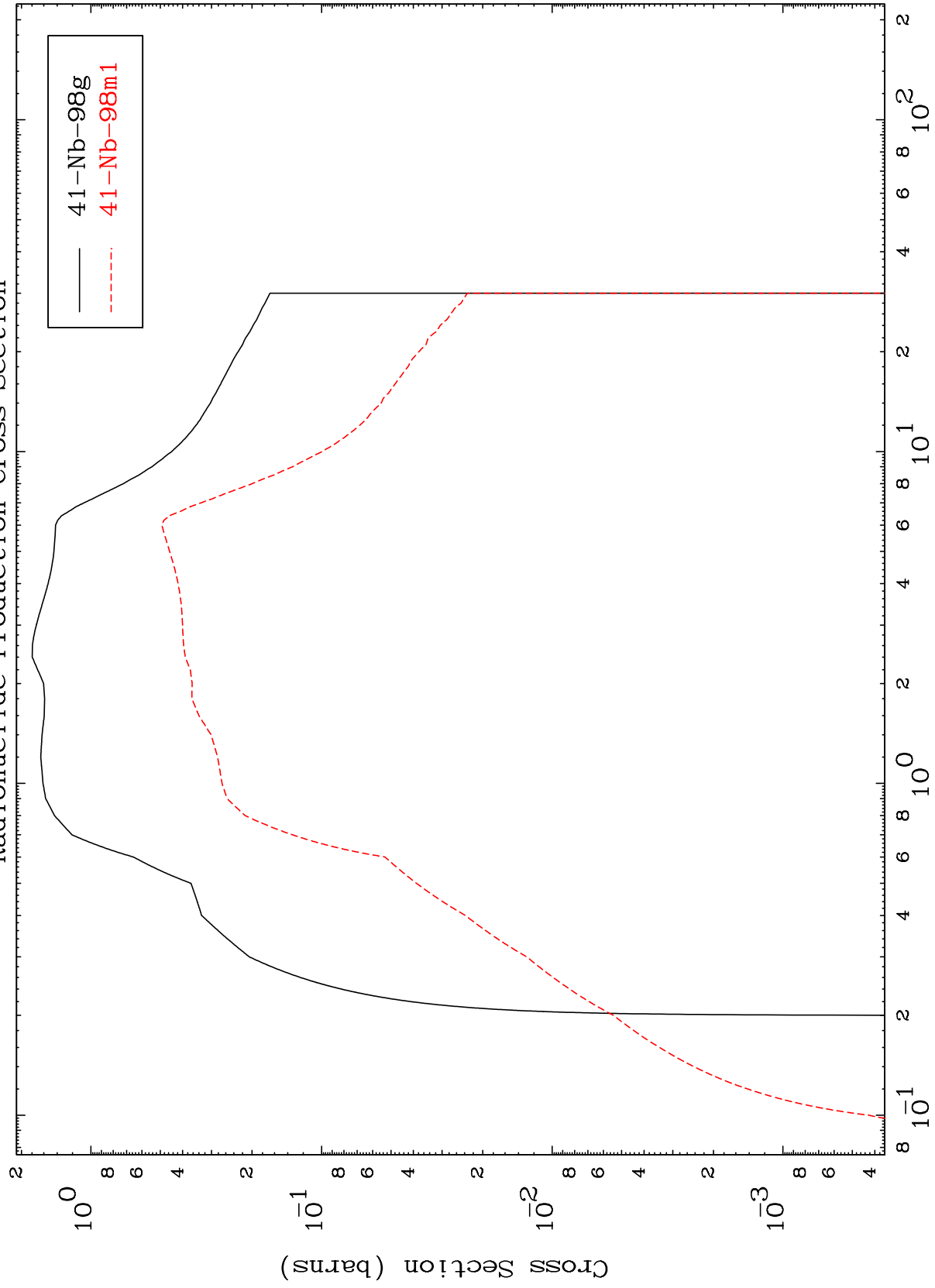
MAT 4140 MT= 79 (n,n') Level Legendre Coefficients 41-Nb-98



MAT 4140

41-Nb-98

Inelastic Radionuclide Production Cross Section



118

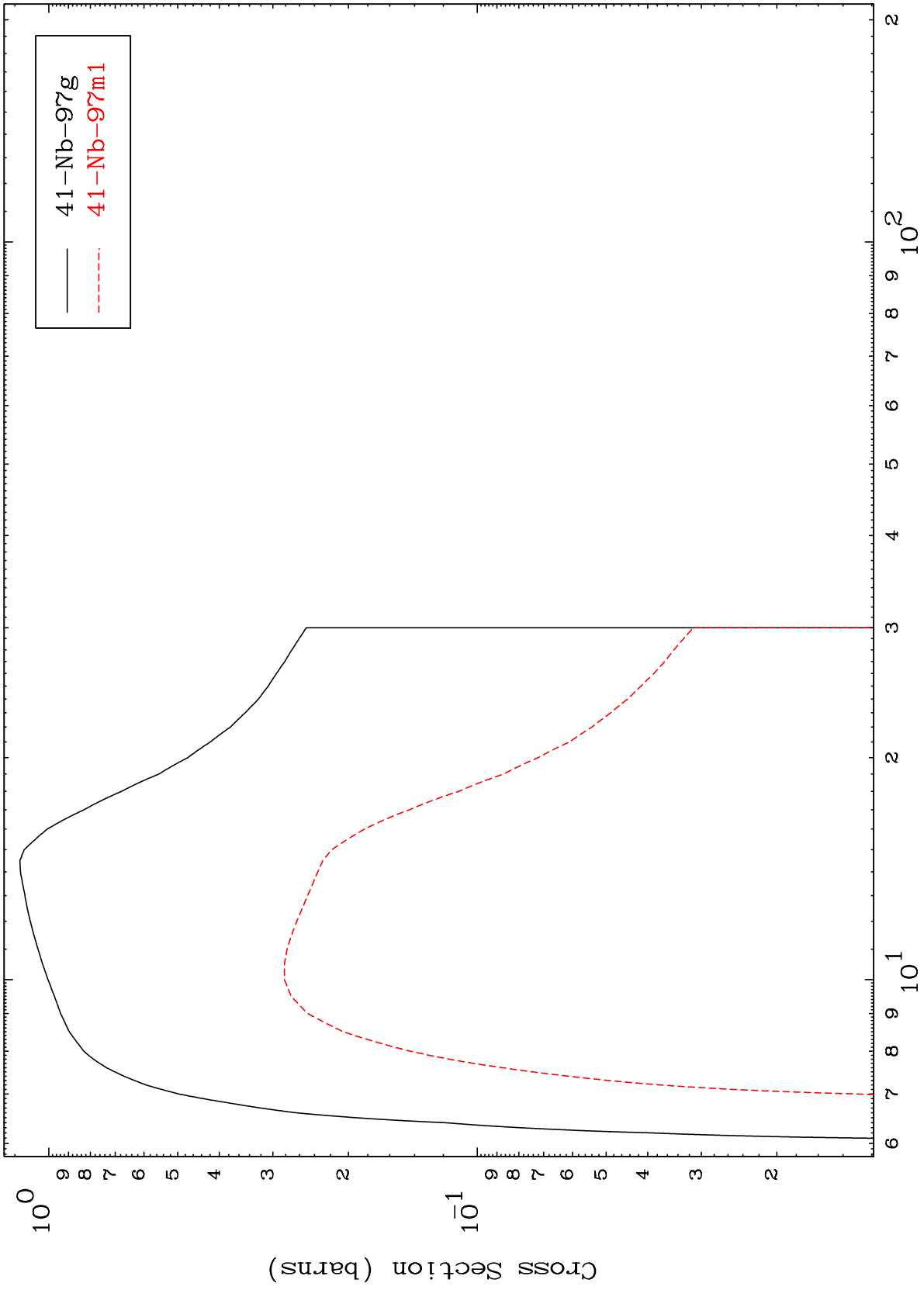
Incident Energy (MeV)

41-Nb-98

MAT 4140

41-Nb-98

(n,2n)
Radionuclide Production Cross Section



119

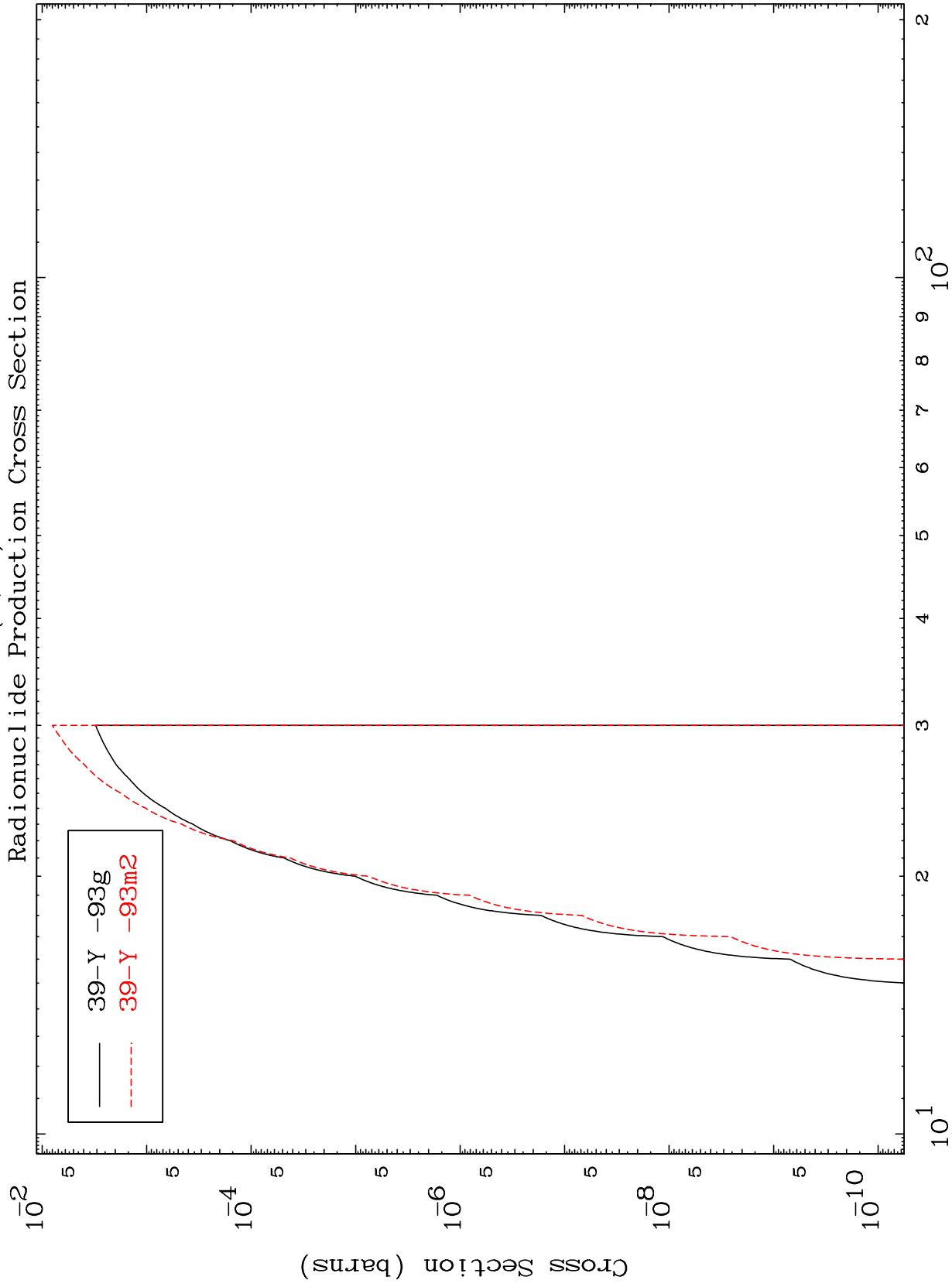
Incident Energy (MeV)

41-Nb-98

MAT 4140

(n,2n) α

41-Nb-98



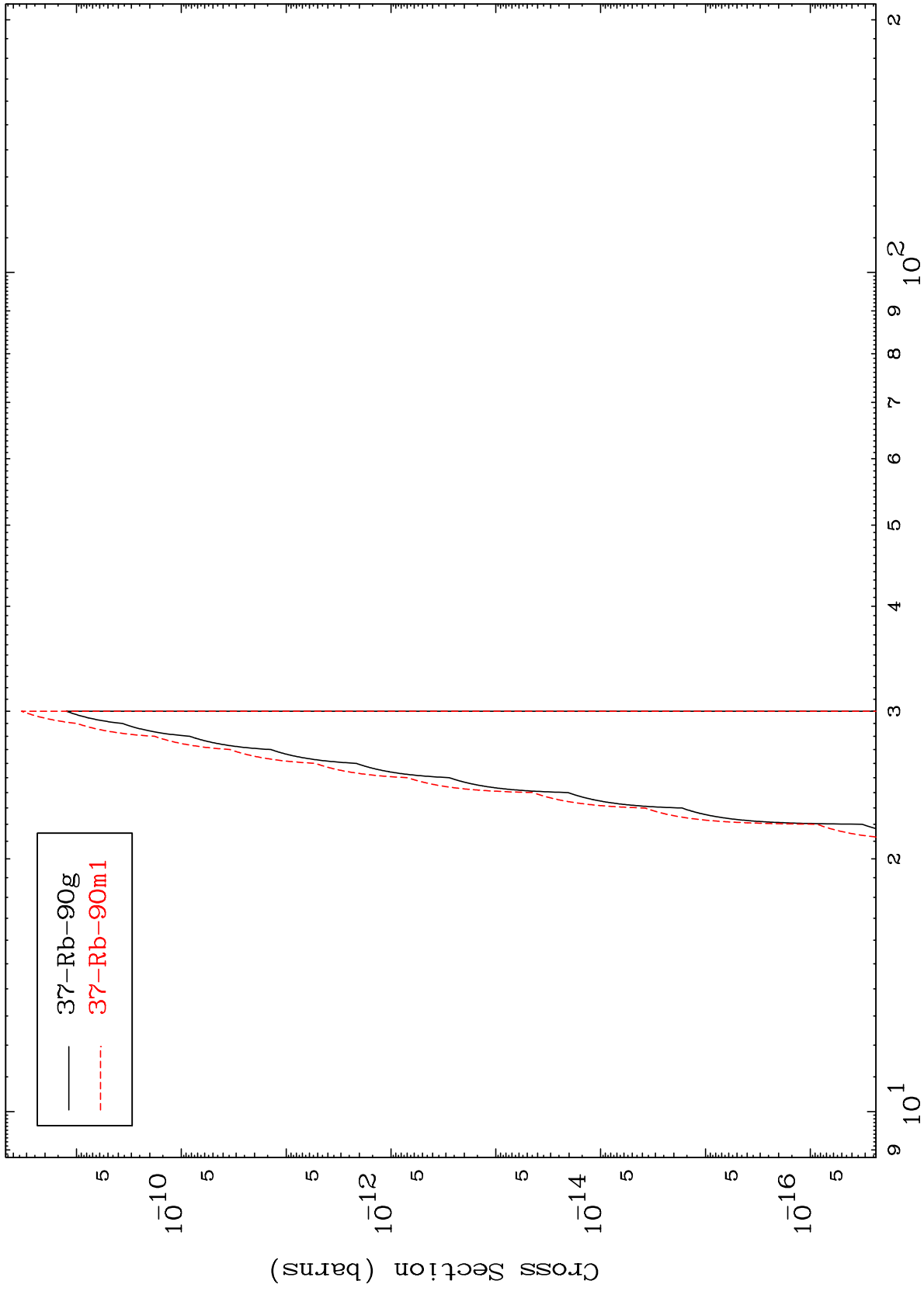
39-Y -93g
39-Y -93m2

MAT 4140

(n,n') 2 α

41-Nb-98

Radionuclide Production Cross Section



121

Incident Energy (MeV)

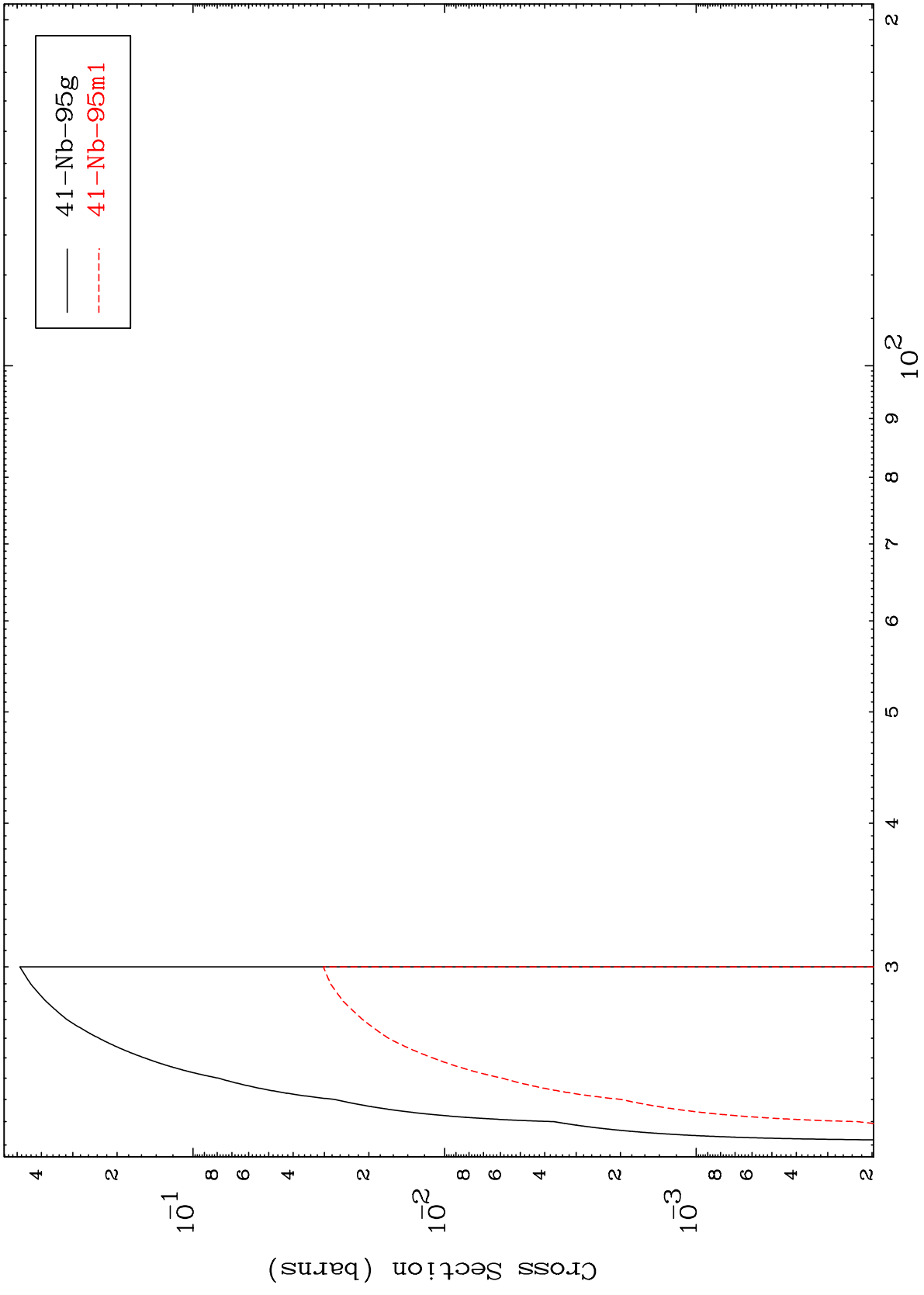
41-Nb-98

MAT 4140

(n,4n)

41-Nb-98

Radionuclide Production Cross Section



122

Incident Energy (MeV)

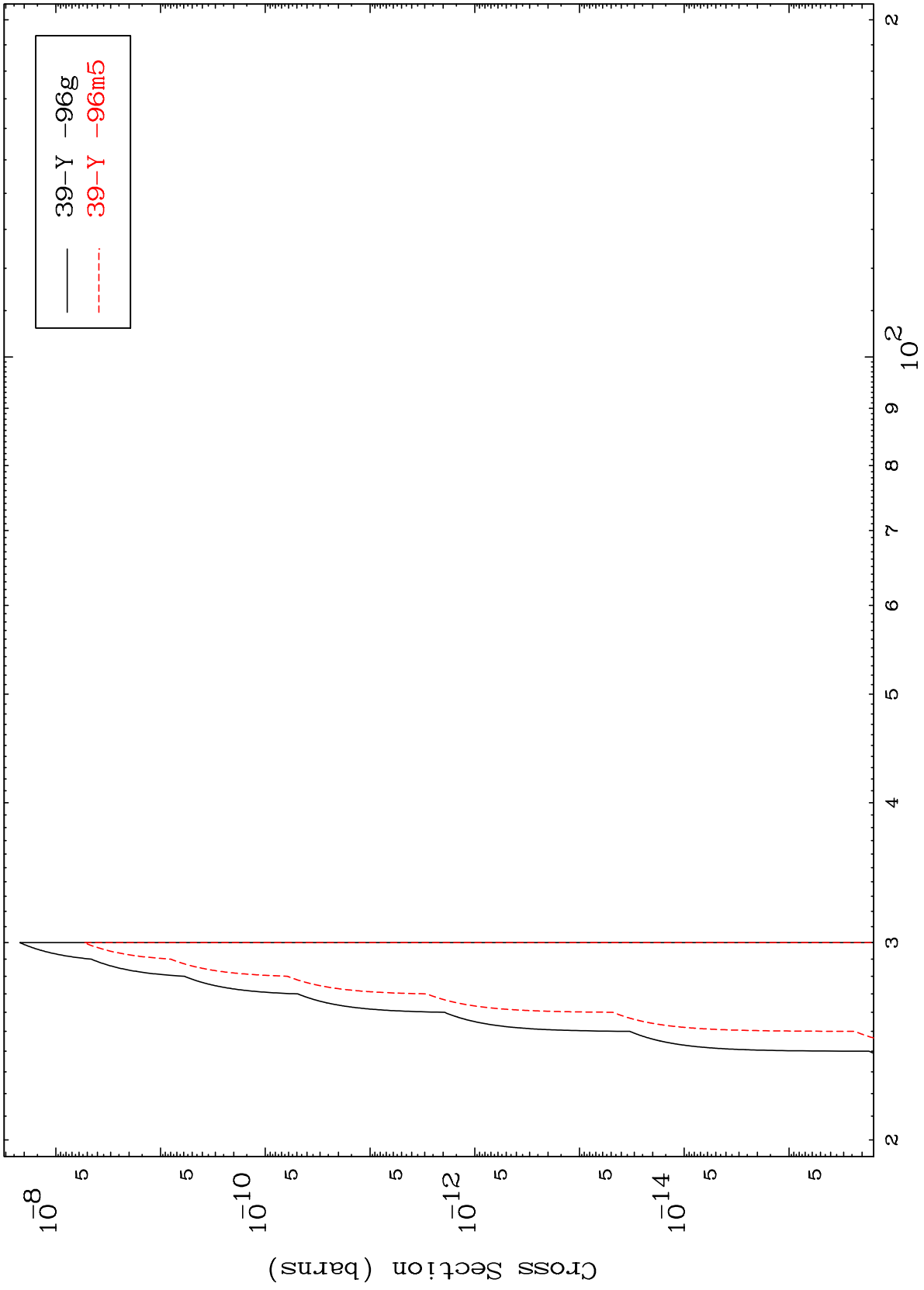
41-Nb-98

MAT 4140

(n,2n) p

41-Nb-98

Radionuclide Production Cross Section



123

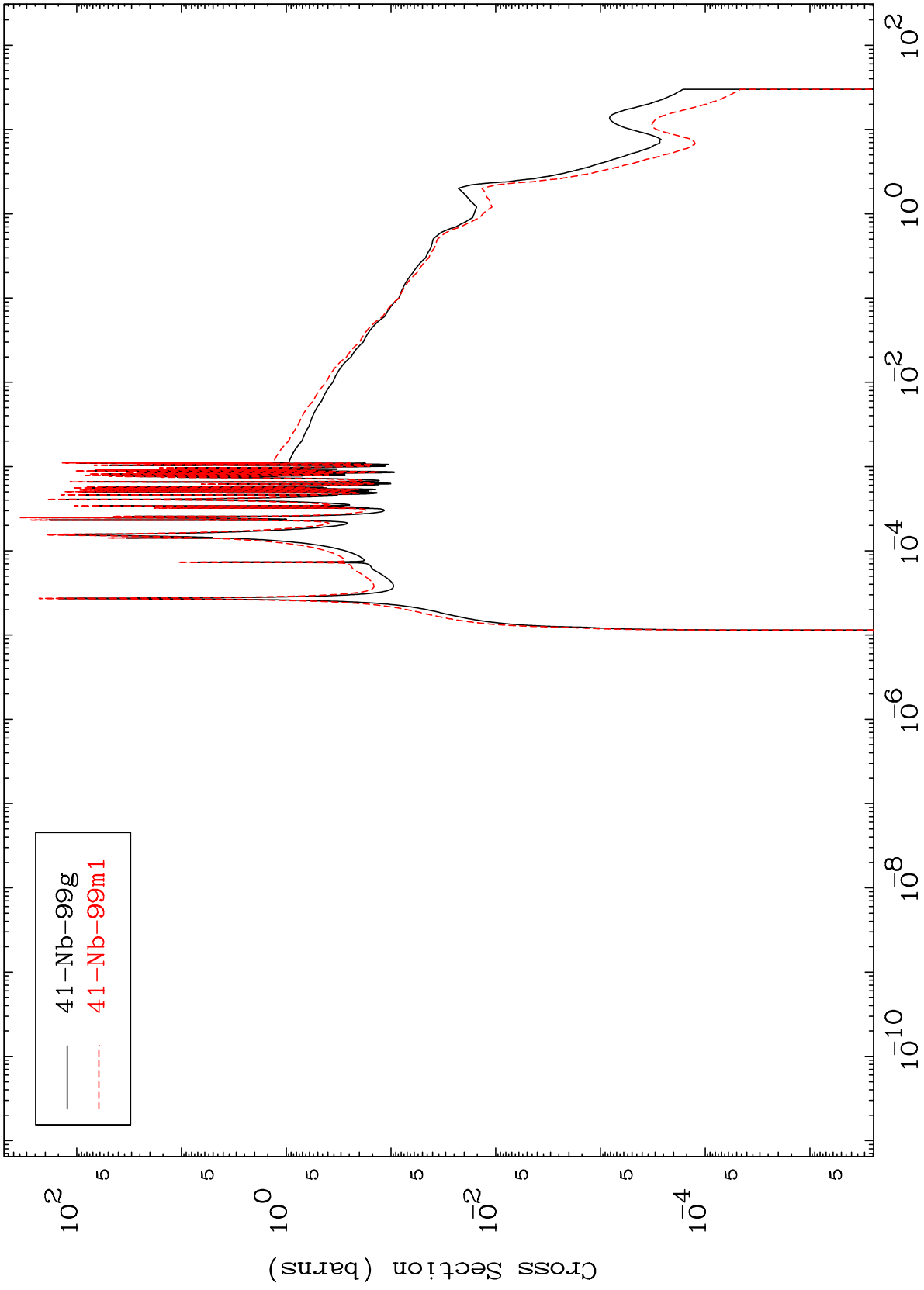
Incident Energy (MeV)

41-Nb-98

MAT 4140

41-Nb-98

Radionuclide Production Cross Section (n,γ)



124

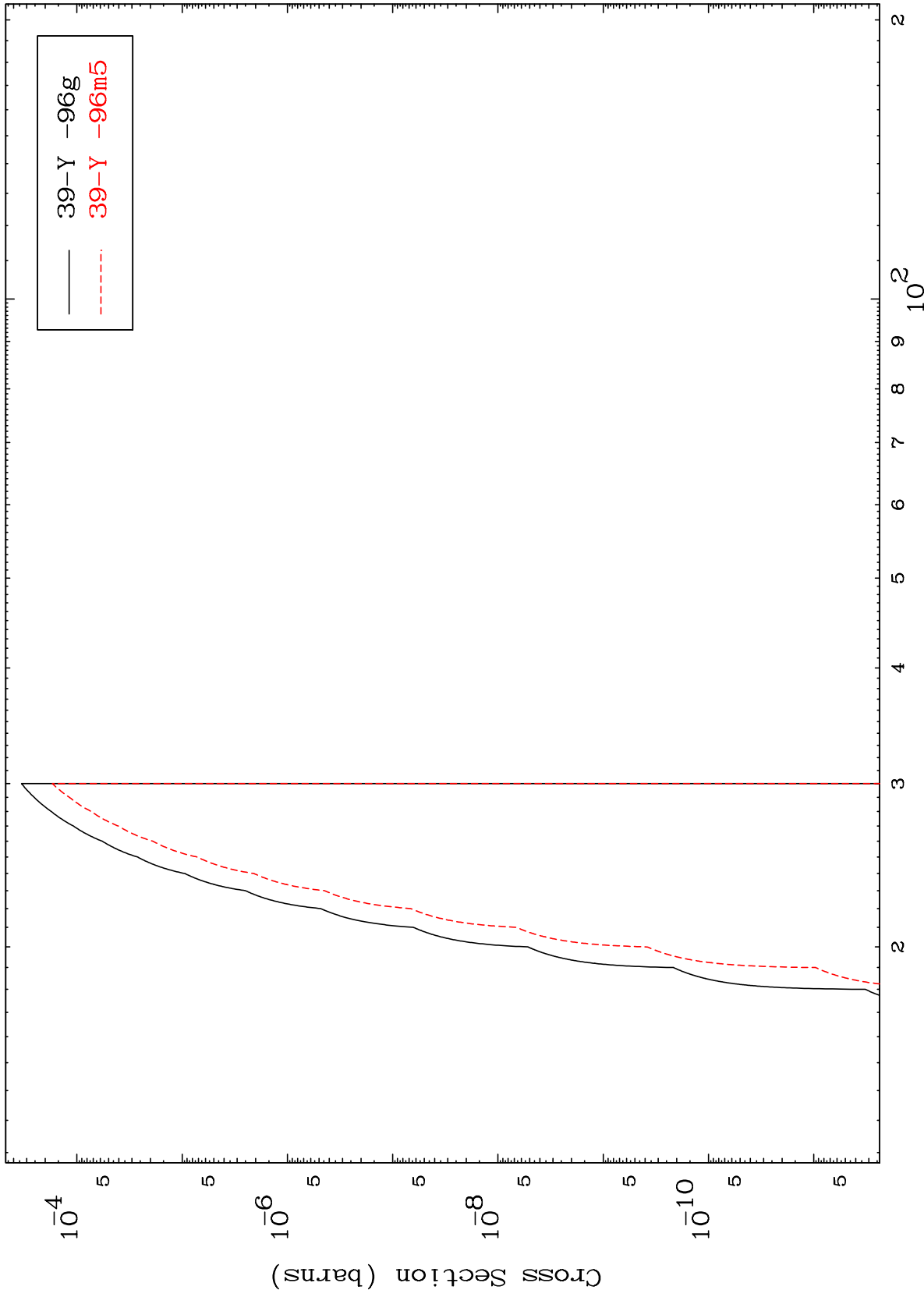
41-Nb-98

MAT 4140

(n, He-3)

41-Nb-98

Radionuclide Production Cross Section



125

Incident Energy (MeV)

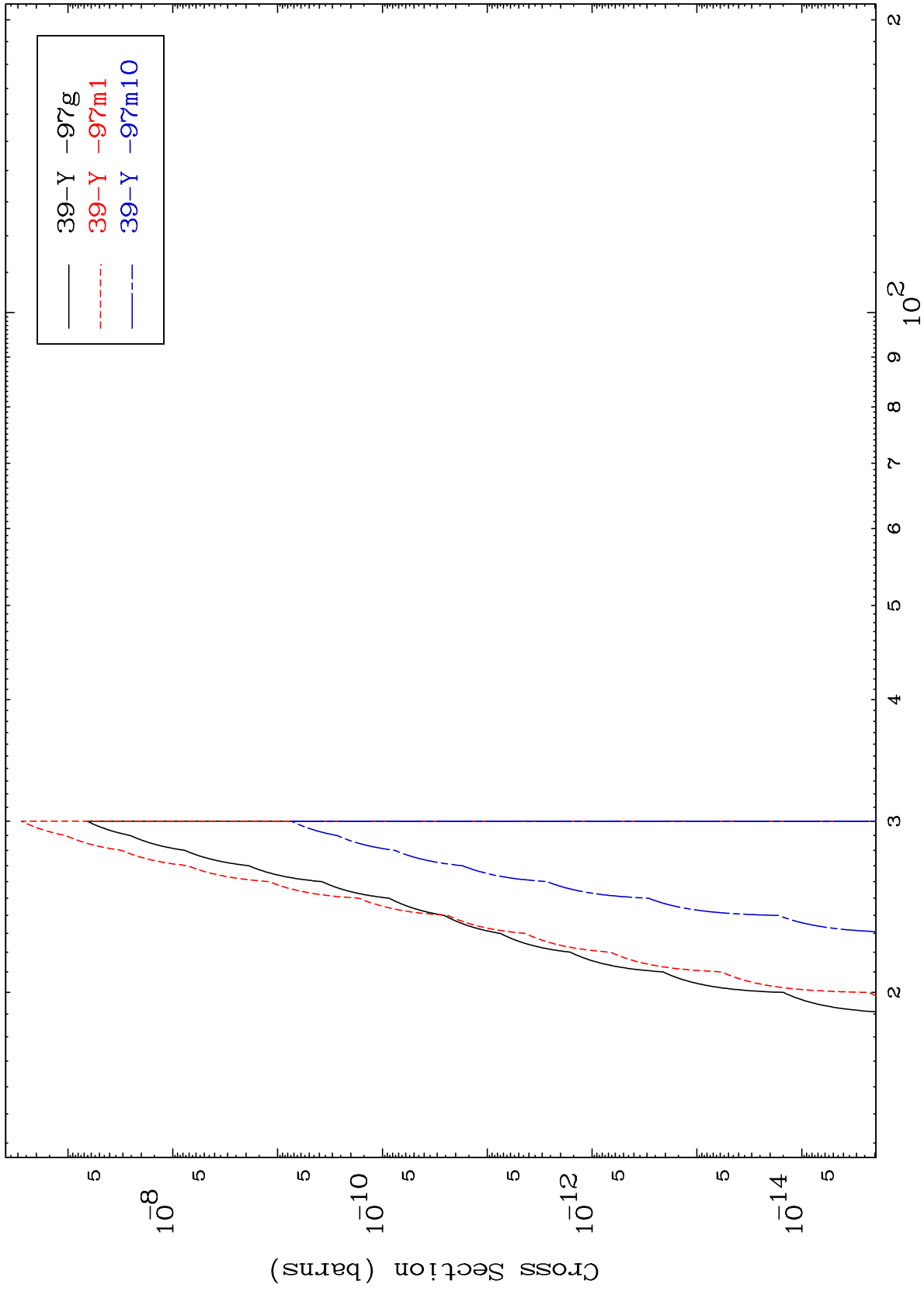
41-Nb-98

MAT 4140

(n,2p)

41-Nb-98

Radionuclide Production Cross Section



126

Incident Energy (MeV)

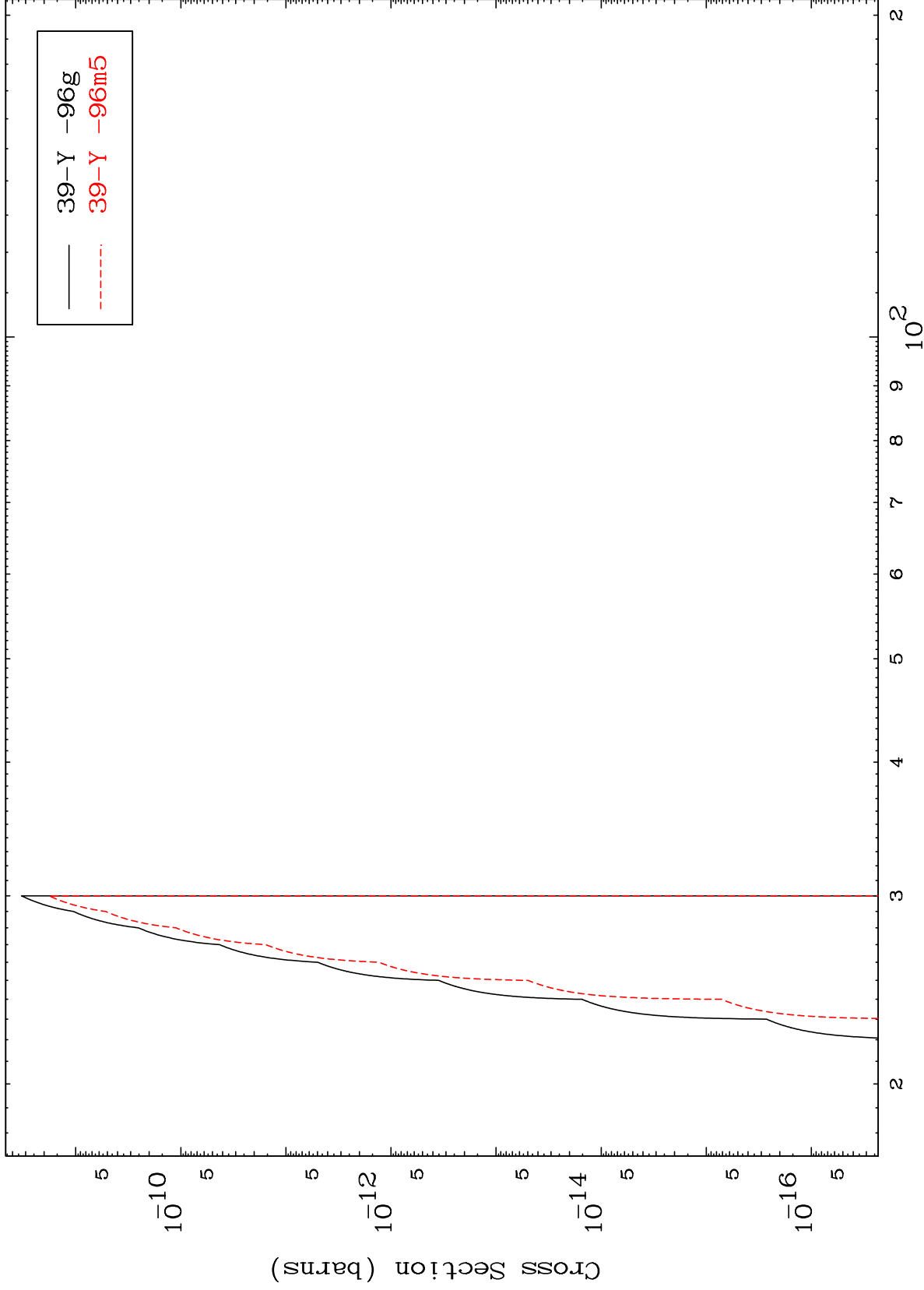
41-Nb-98

MAT 4140

(n,p) d

41-Nb-98

Radionuclide Production Cross Section



127

Incident Energy (MeV)

41-Nb-98