

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

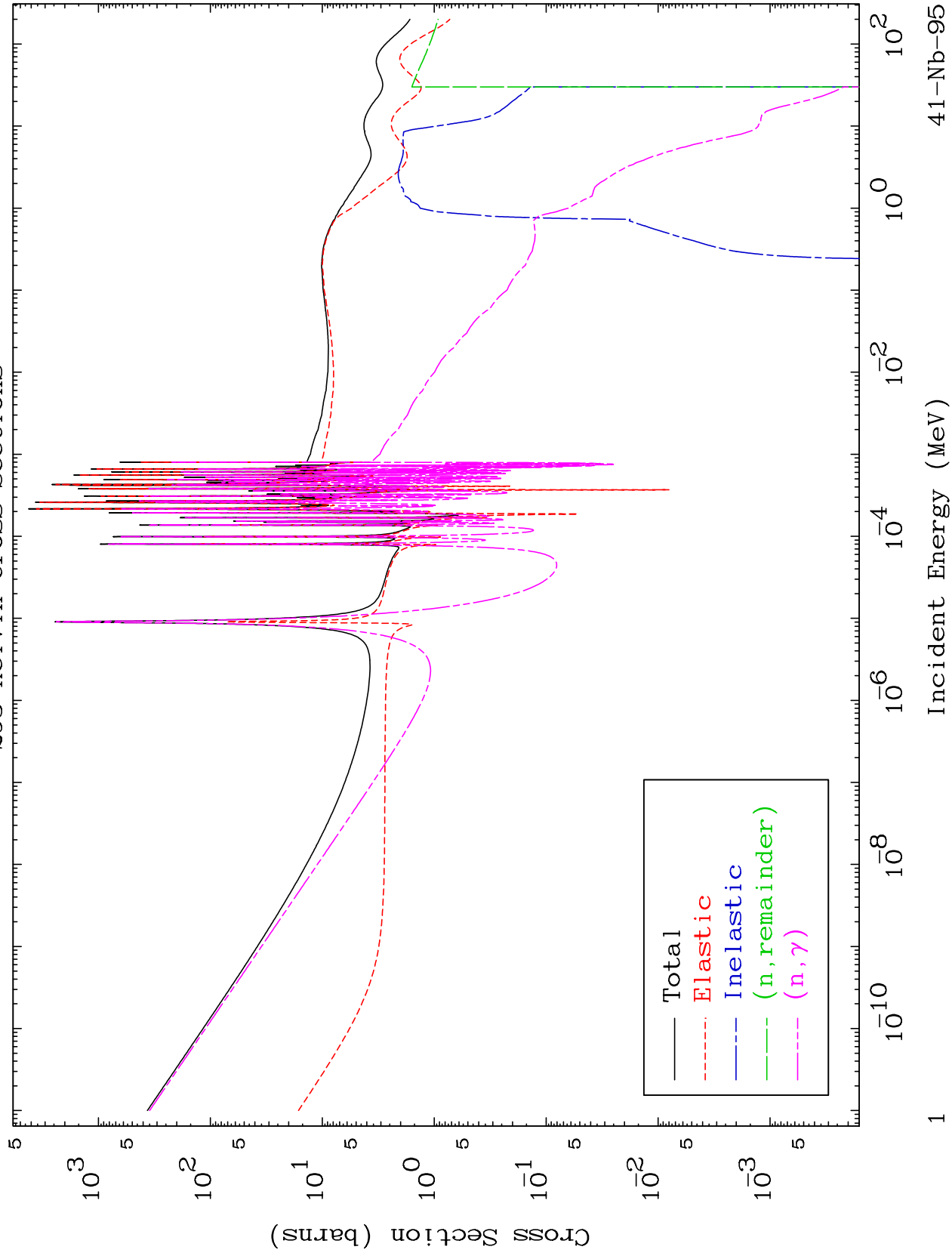
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4131

Major
293 Kelvin Cross Sections

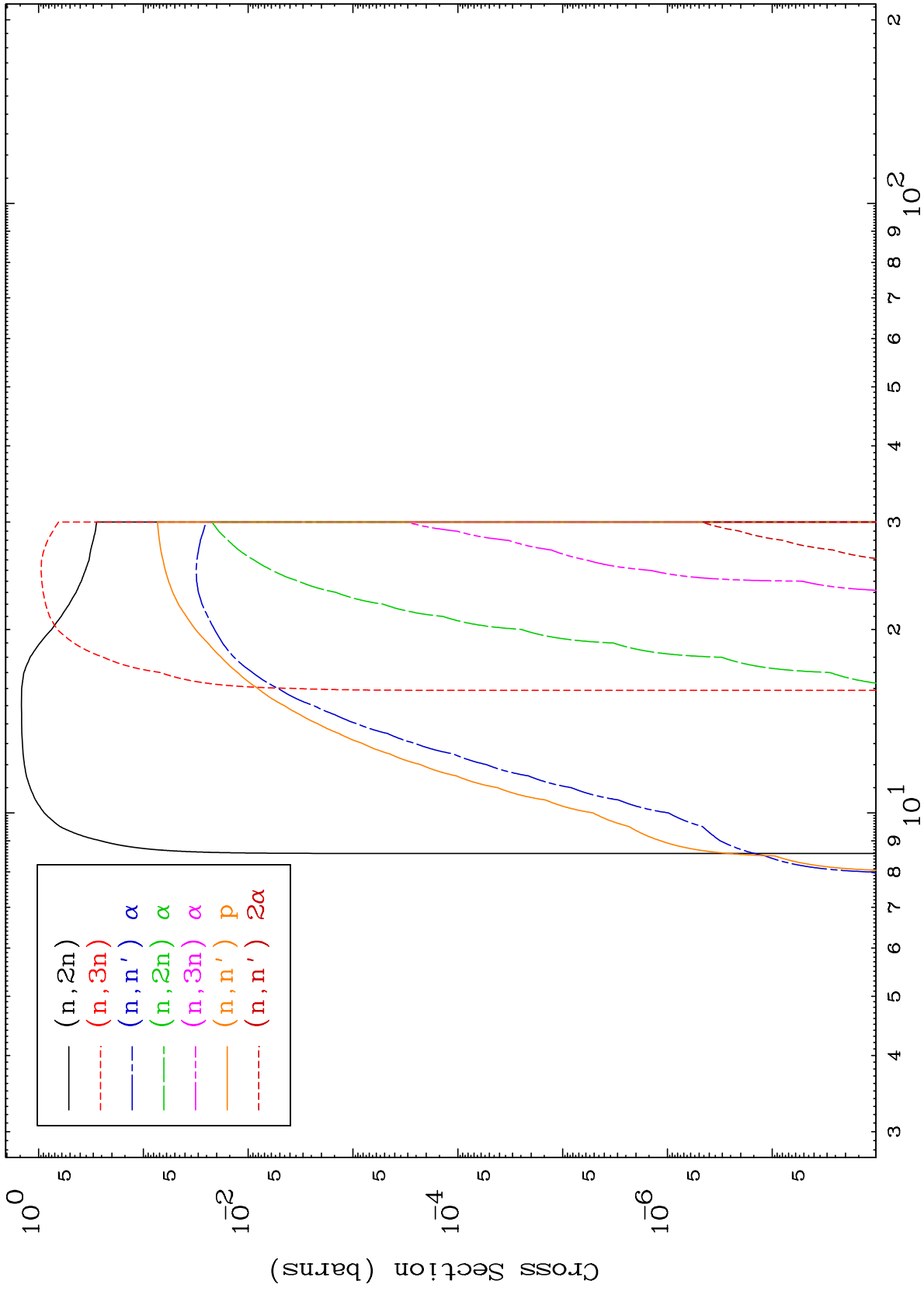
41-Nb-95



MAT 4131

Neutron Production
293 Kelvin Cross Sections

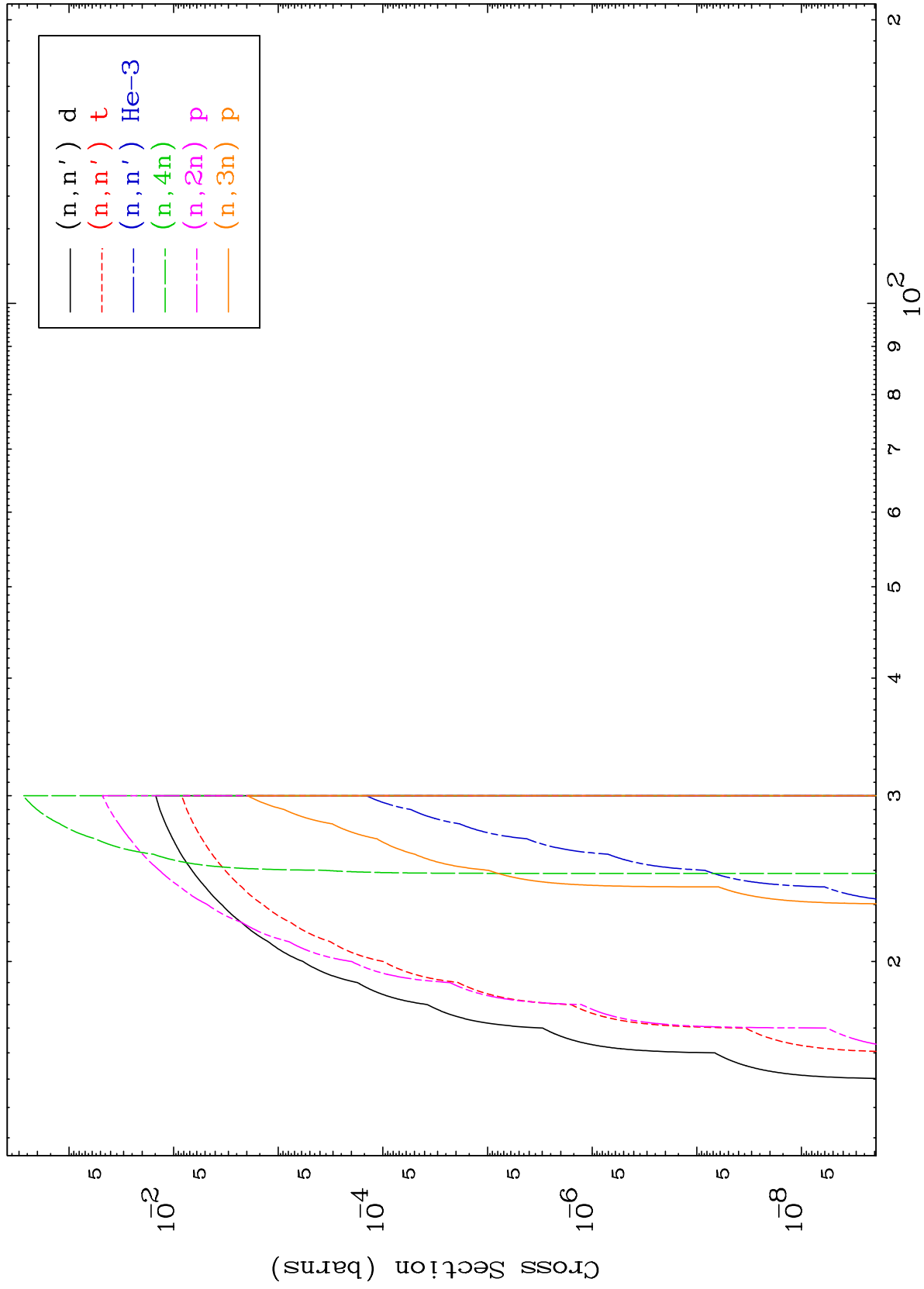
41-Nb-95

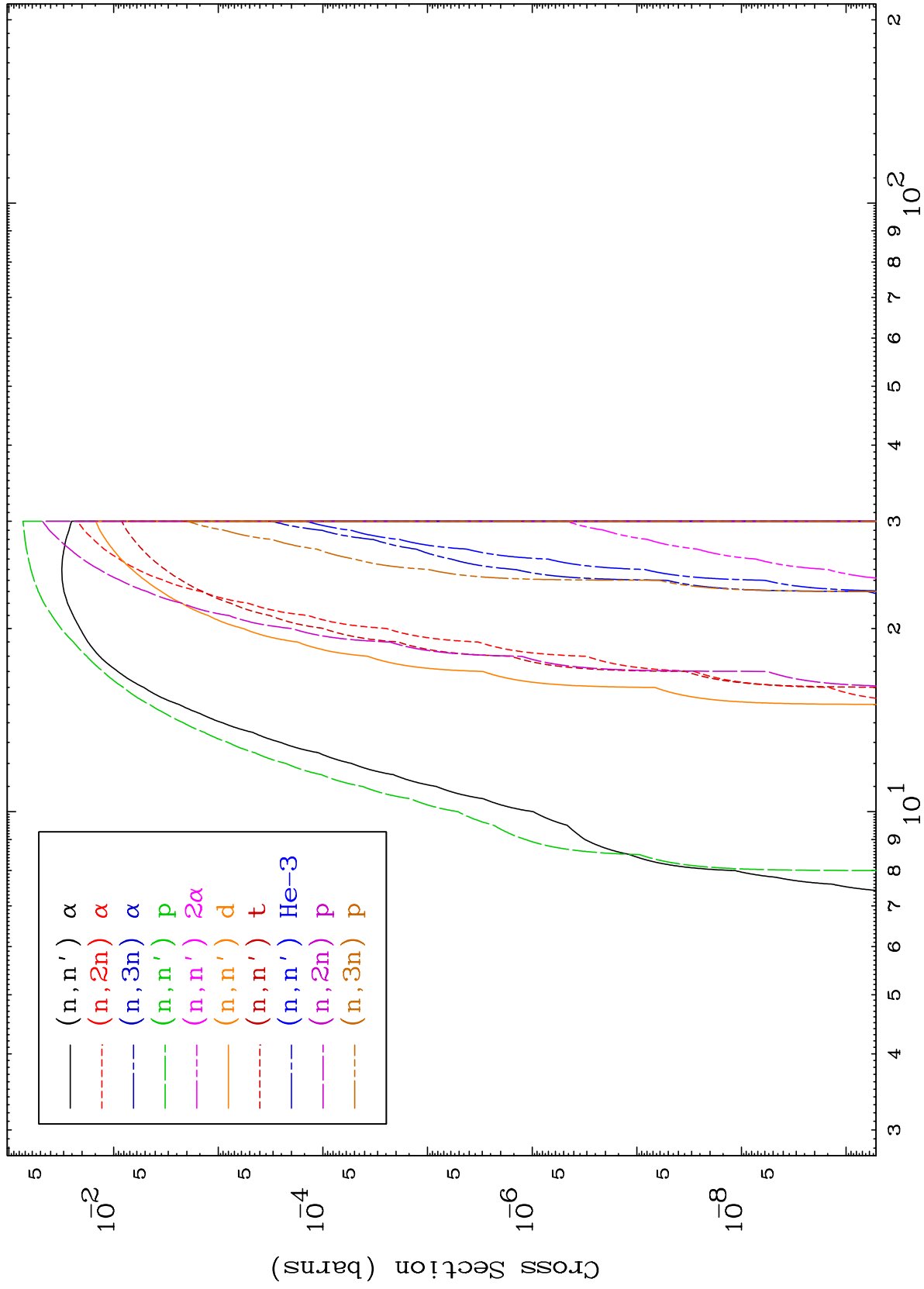


2

Incident Energy (MeV)

41-Nb-95

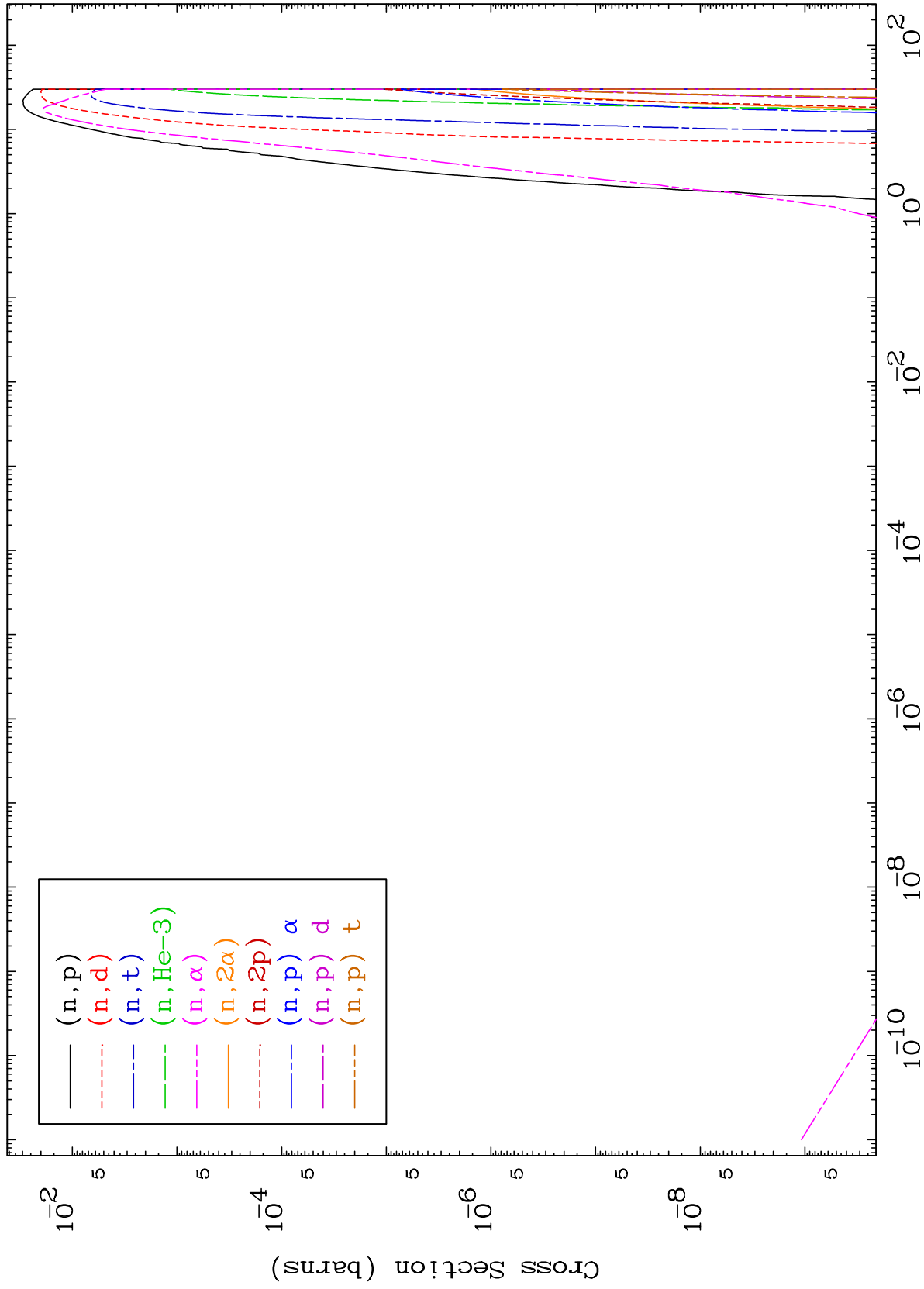




MAT 4131

Charged Particle
293 Kelvin Cross Sections

41-Nb-95



5

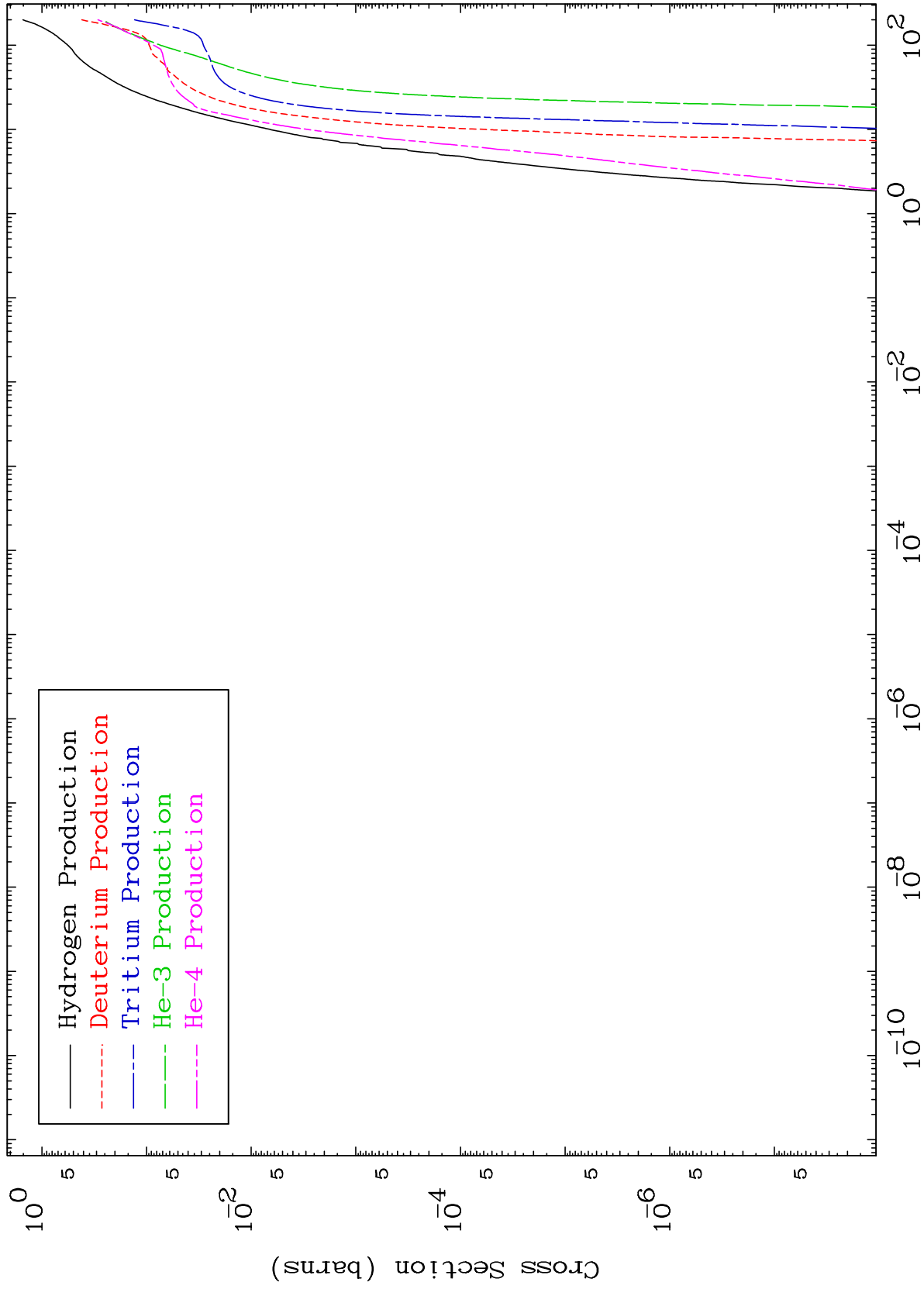
Incident Energy (MeV)

41-Nb-95

MAT 4131

Particle Production
293 Kelvin Cross Sections

41-Nb-95



6

Incident Energy (MeV)

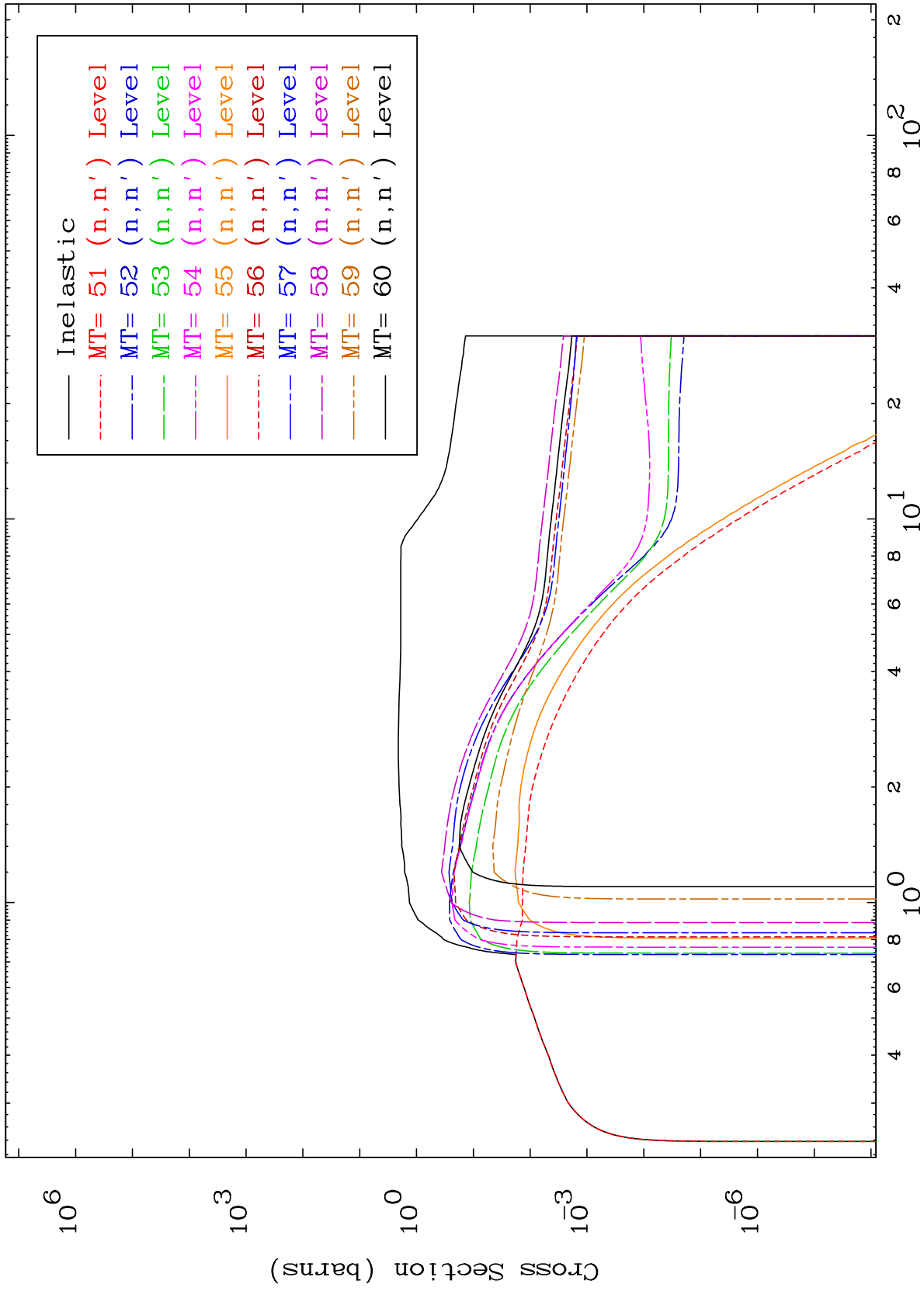
41-Nb-95

MAT 4131

(n,n') Level

41-Nb-95

293 Kelvin Cross Sections

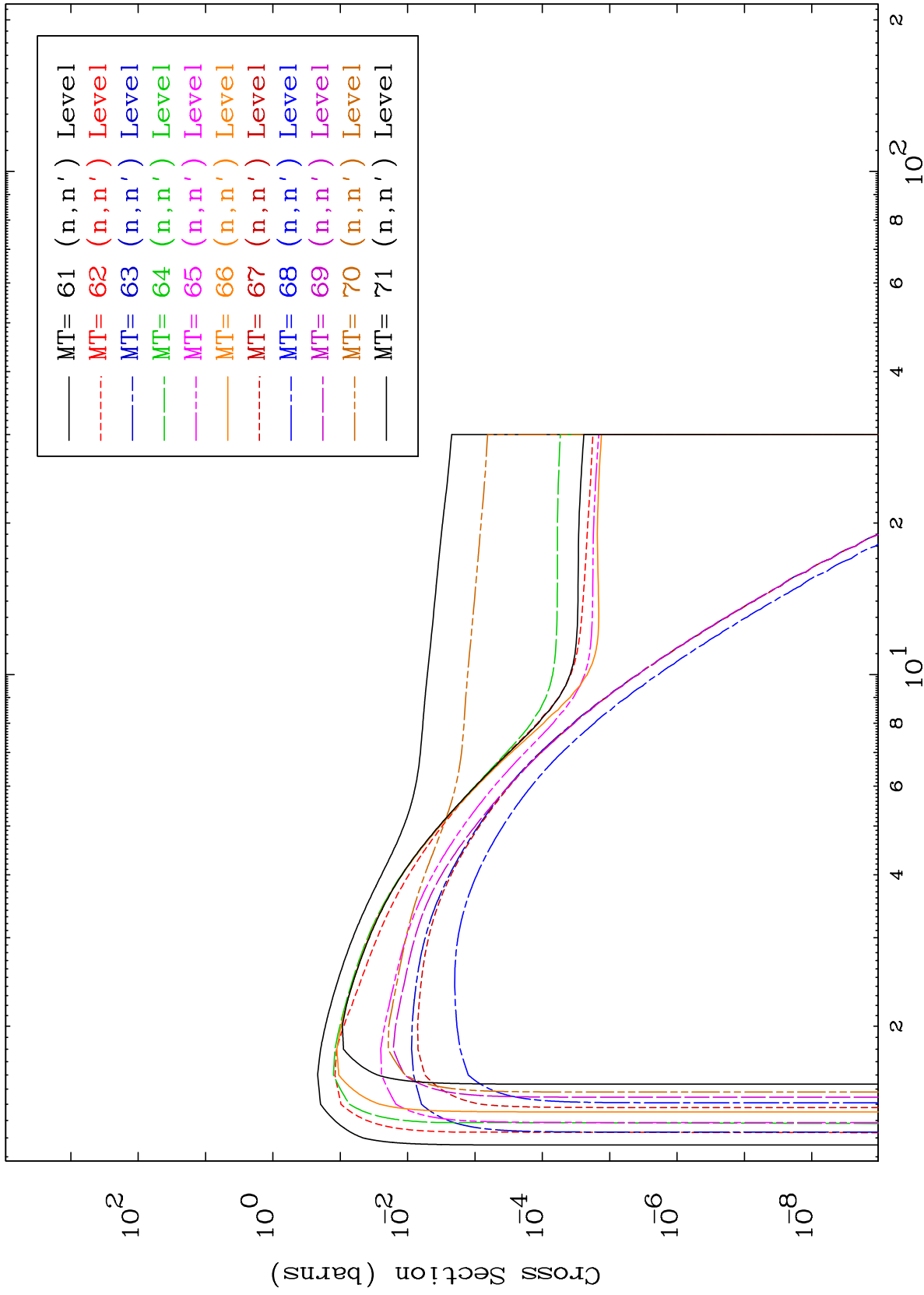


7

Incident Energy (MeV)

41-Nb-95

293 Kelvin Cross Sections

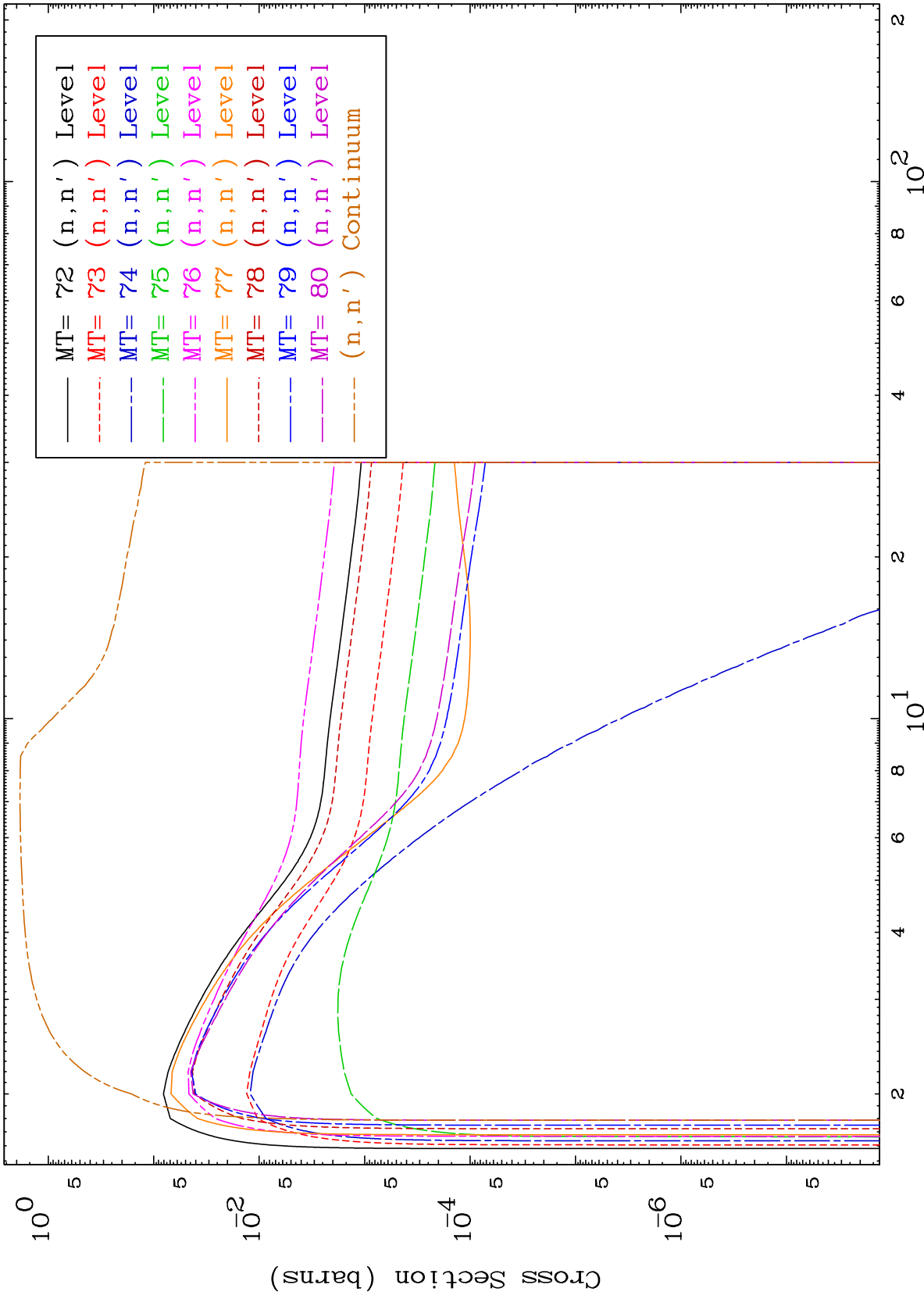


MAT 4131

(n,n') Level

41-Nb-95

293 Kelvin Cross Sections



9

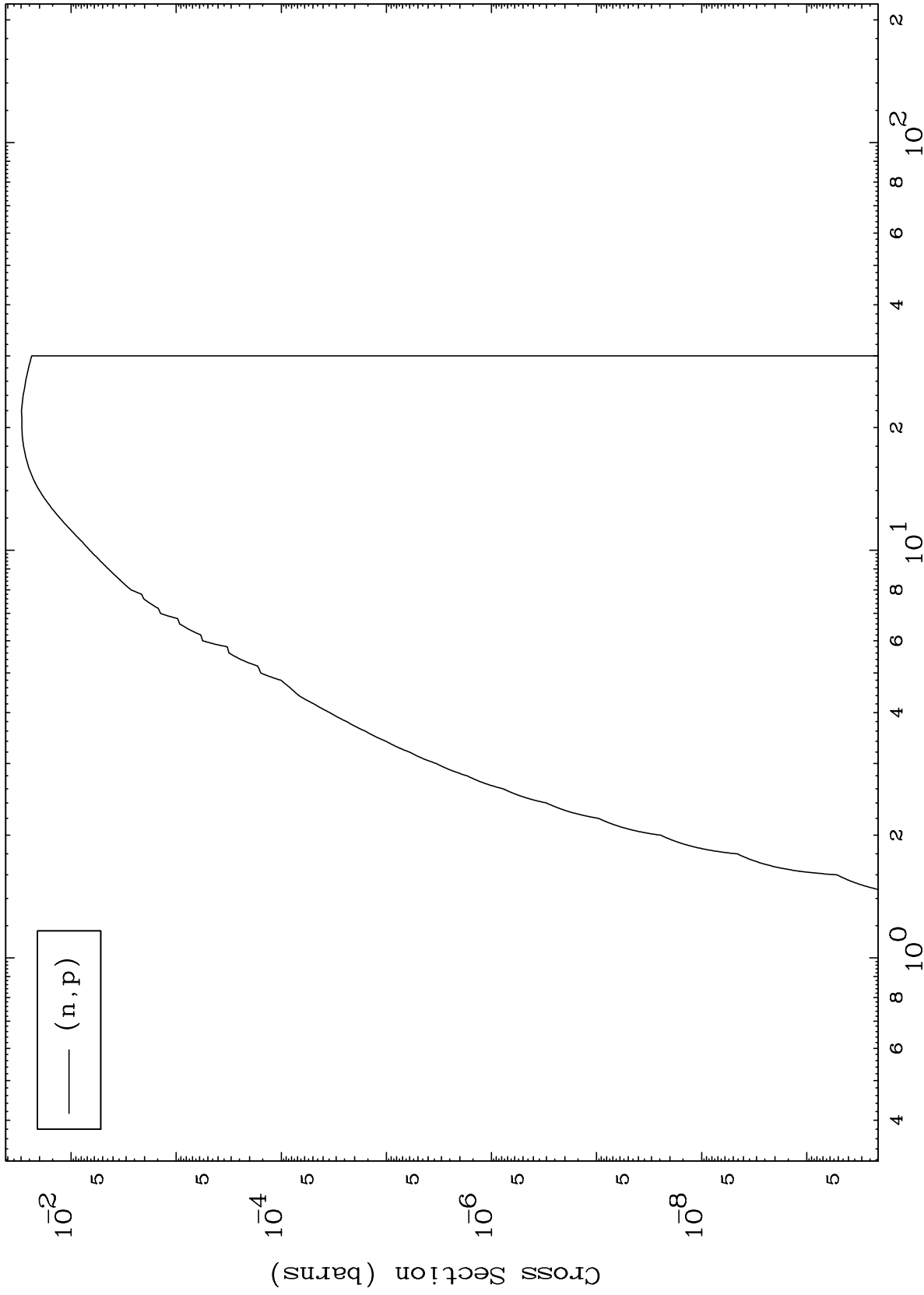
Incident Energy (MeV)

41-Nb-95

MAT 4131

(n,p) Levels
293 Kelvin Cross Sections

41-Nb-95



10

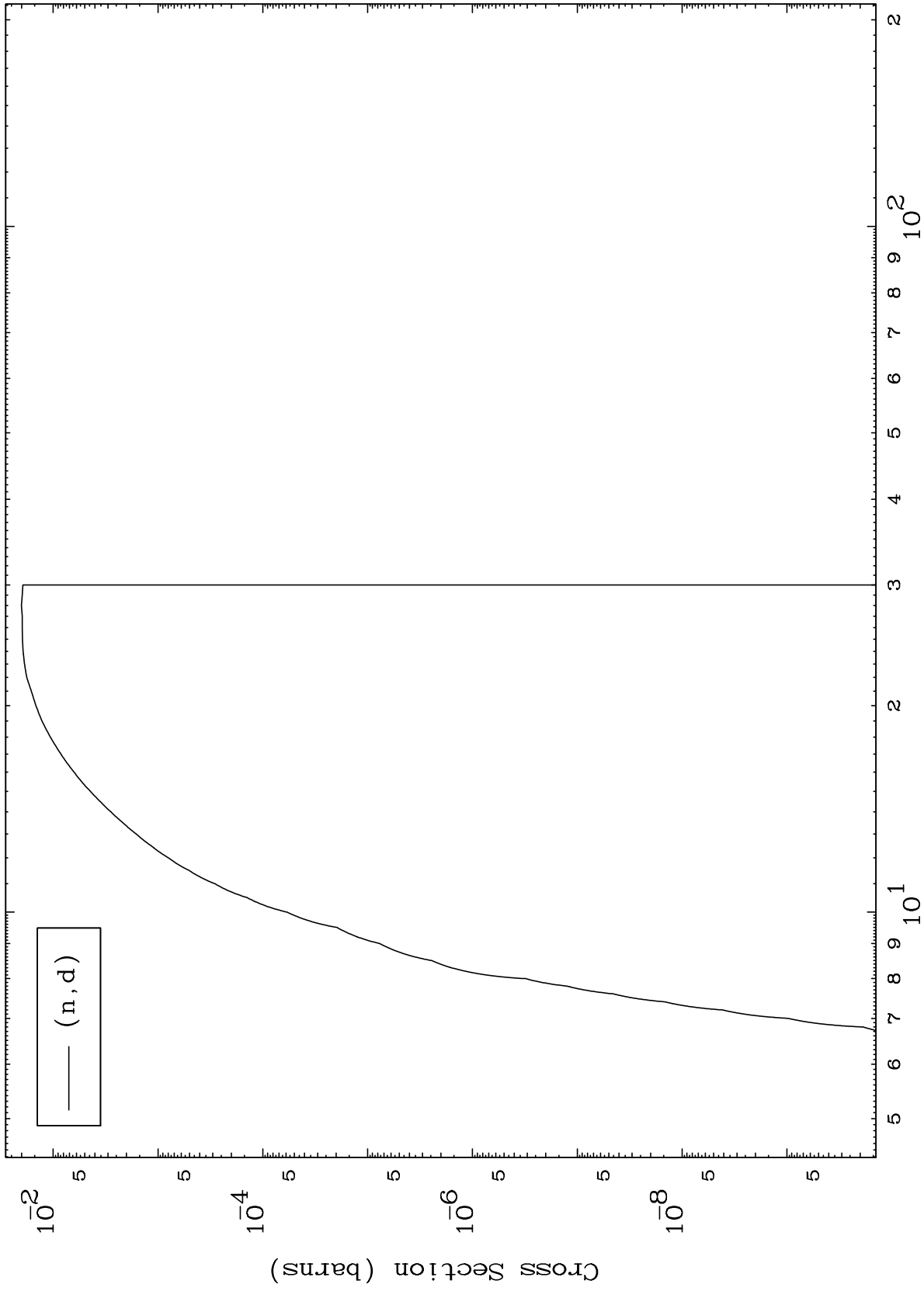
Incident Energy (MeV)

41-Nb-95

MAT 4131

(n,d) Levels
293 Kelvin Cross Sections

41-Nb-95



11

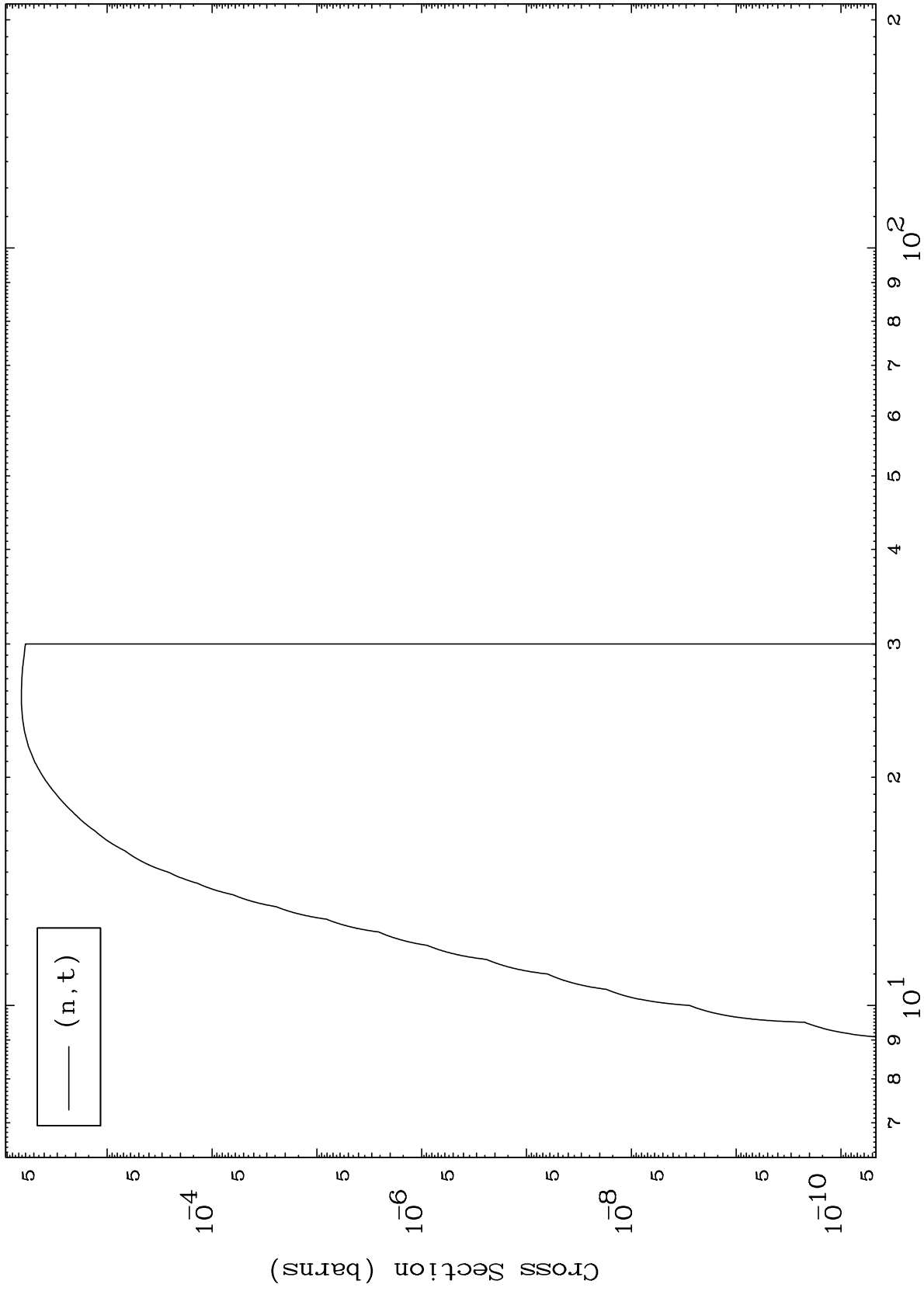
Incident Energy (MeV)

41-Nb-95

MAT 4131

(n,t) Levels
293 Kelvin Cross Sections

41-Nb-95



12

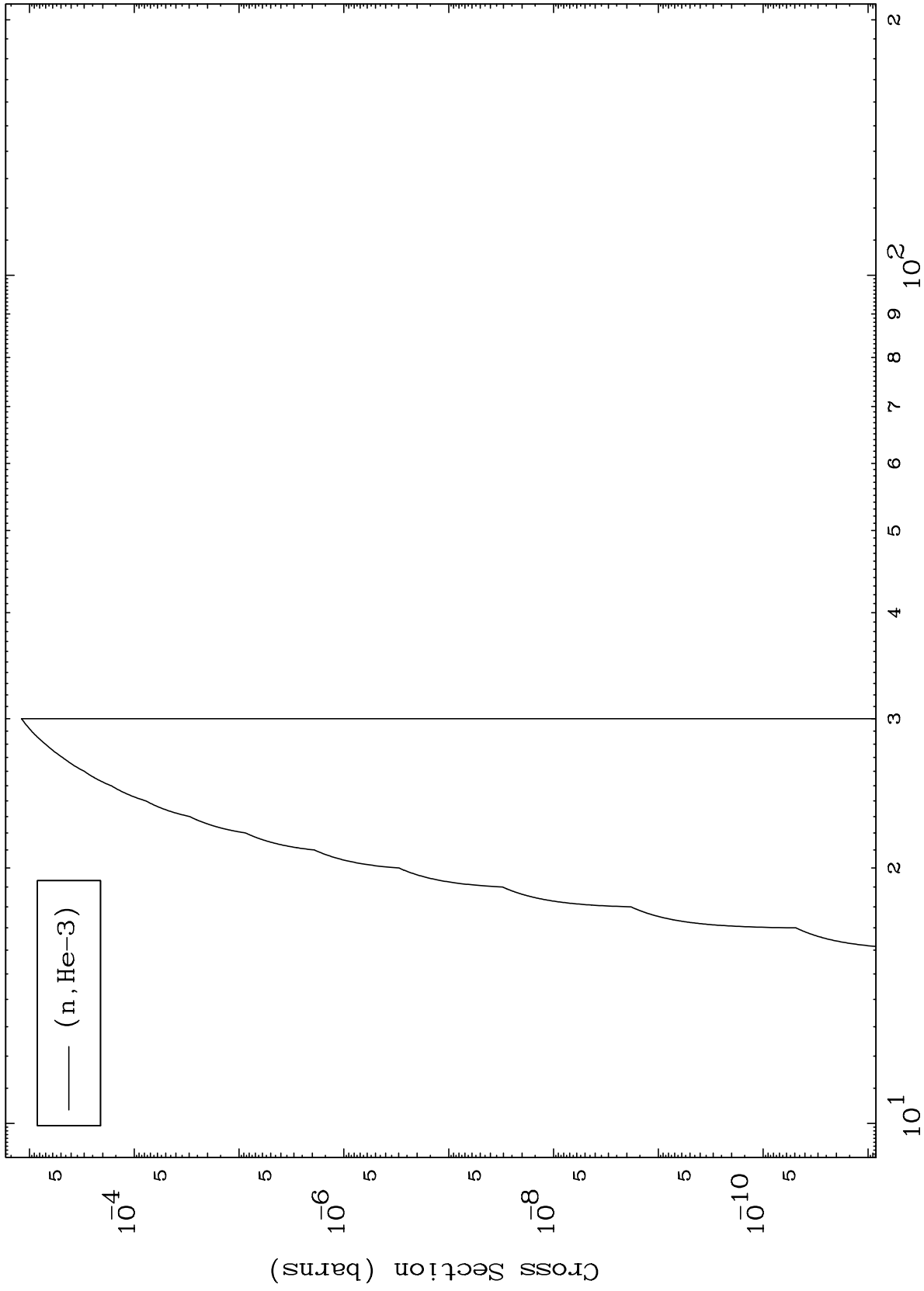
Incident Energy (MeV)

41-Nb-95

MAT 4131

(n,He3) Levels
293 Kelvin Cross Sections

41-Nb-95



13

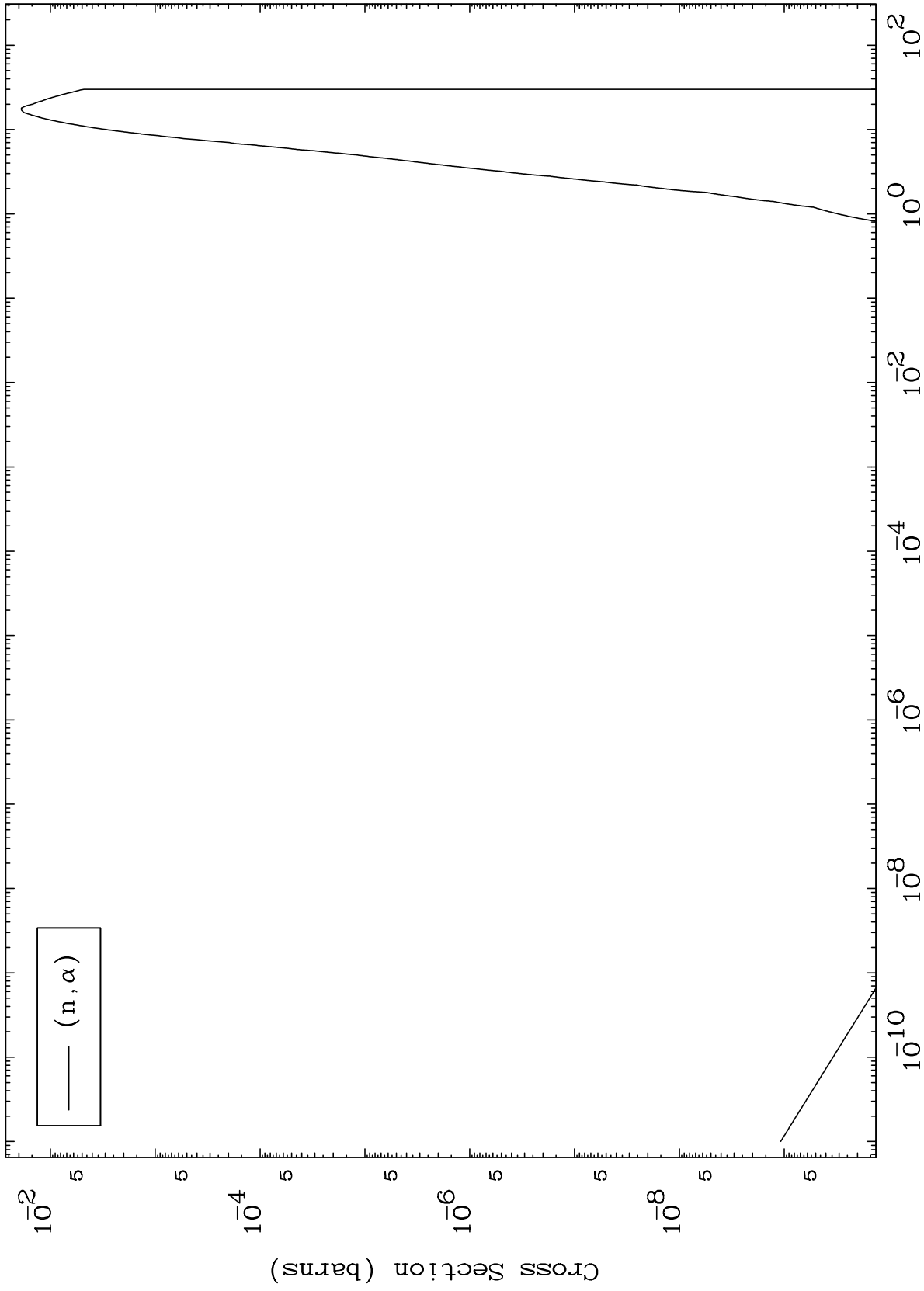
Incident Energy (MeV)

41-Nb-95

MAT 4131

(n,α) Levels
293 Kelvin Cross Sections

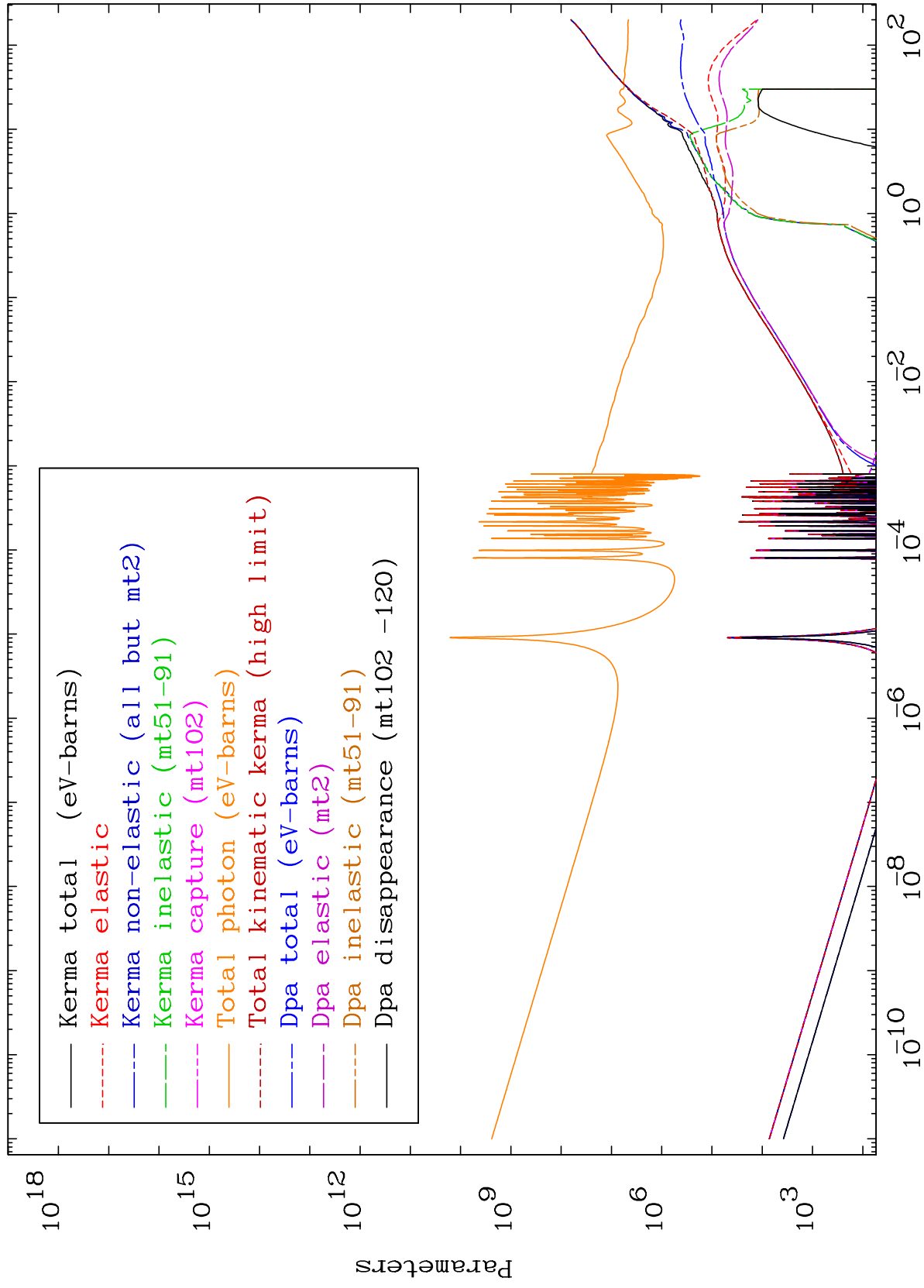
41-Nb-95



14

Incident Energy (MeV)

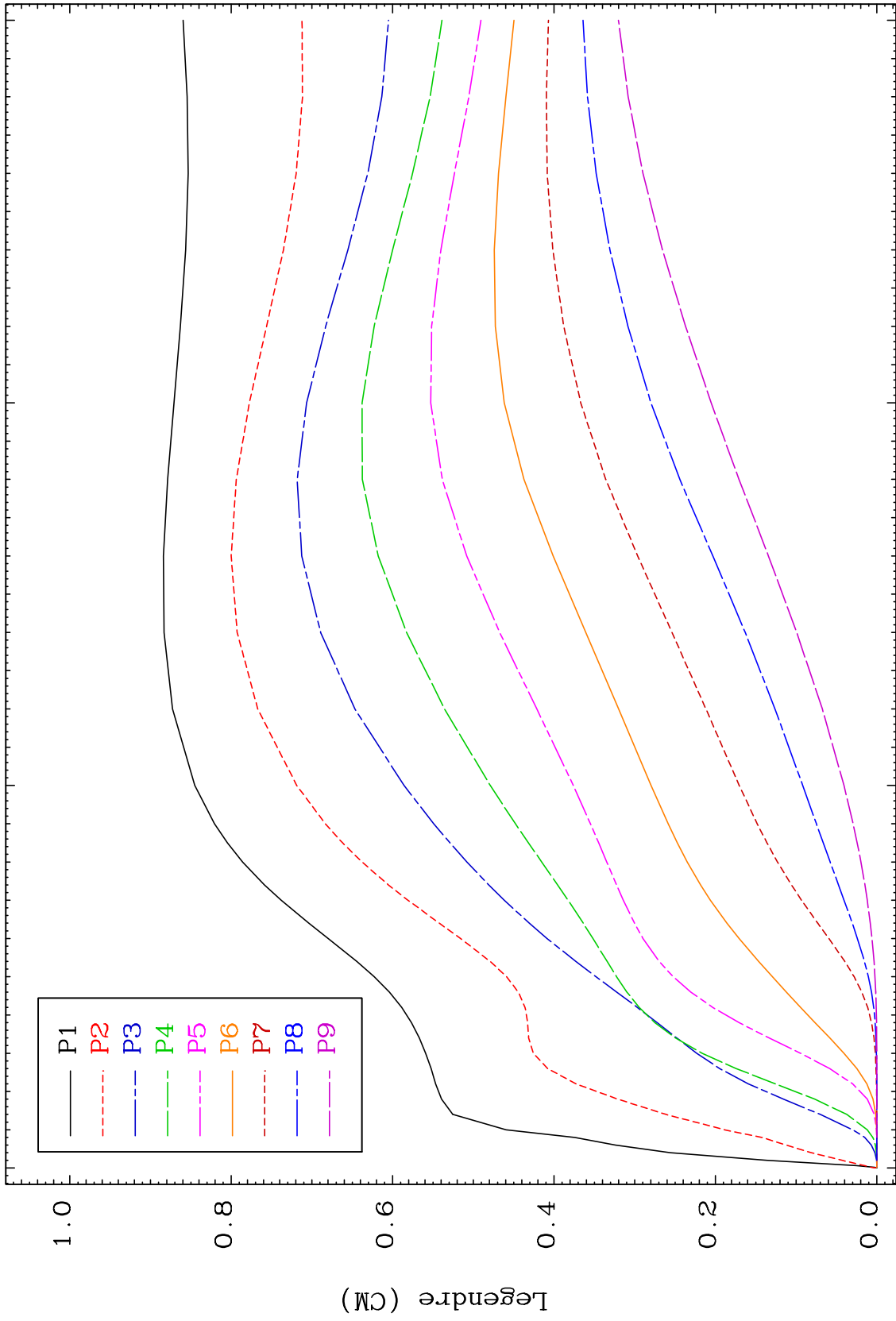
41-Nb-95



MAT 4131

Elastic Legendre Coefficients

41-Nb-95



16

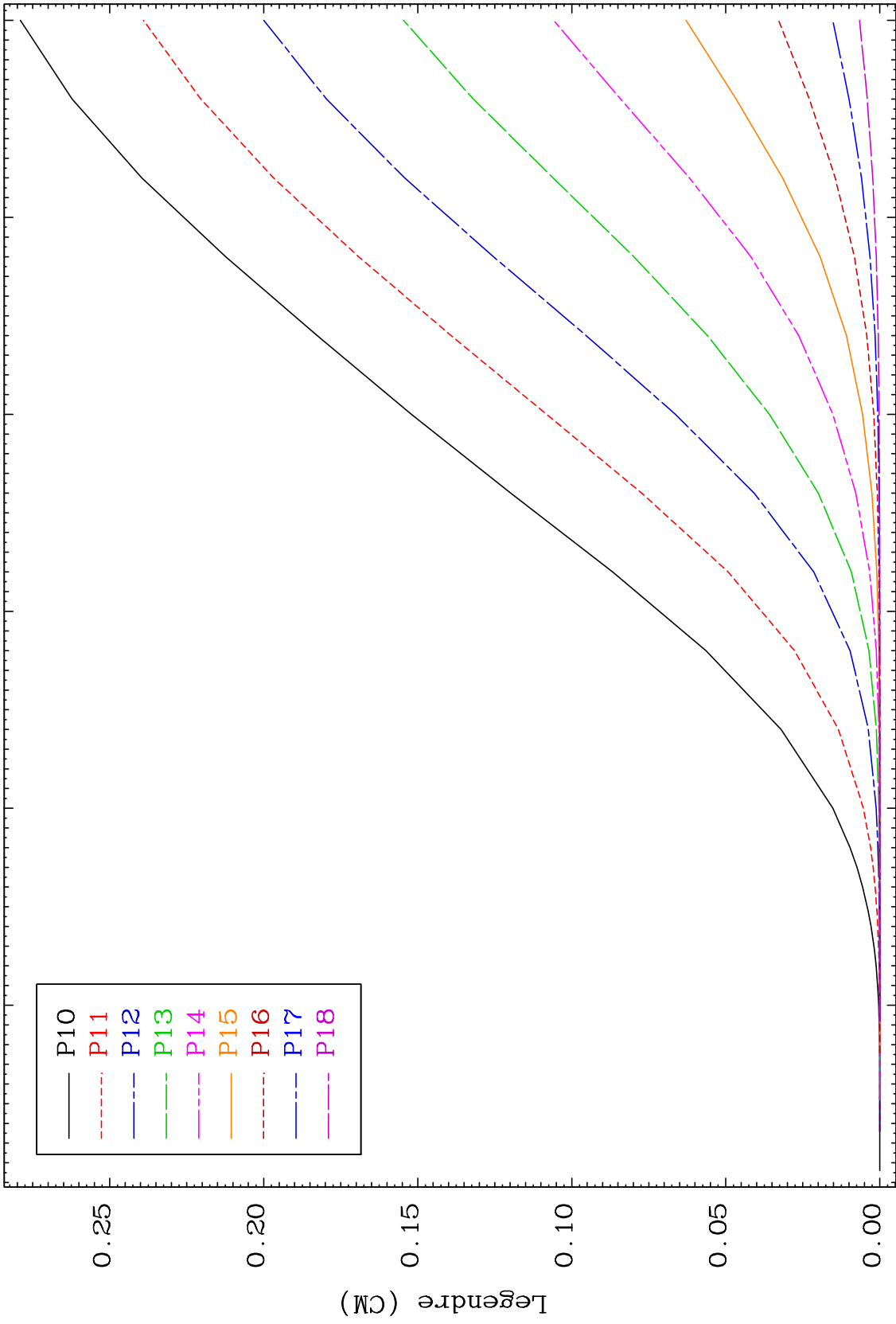
Incident Energy (MeV)

41-Nb-95

MAT 4131

Elastic Legendre Coefficients

41-Nb-95



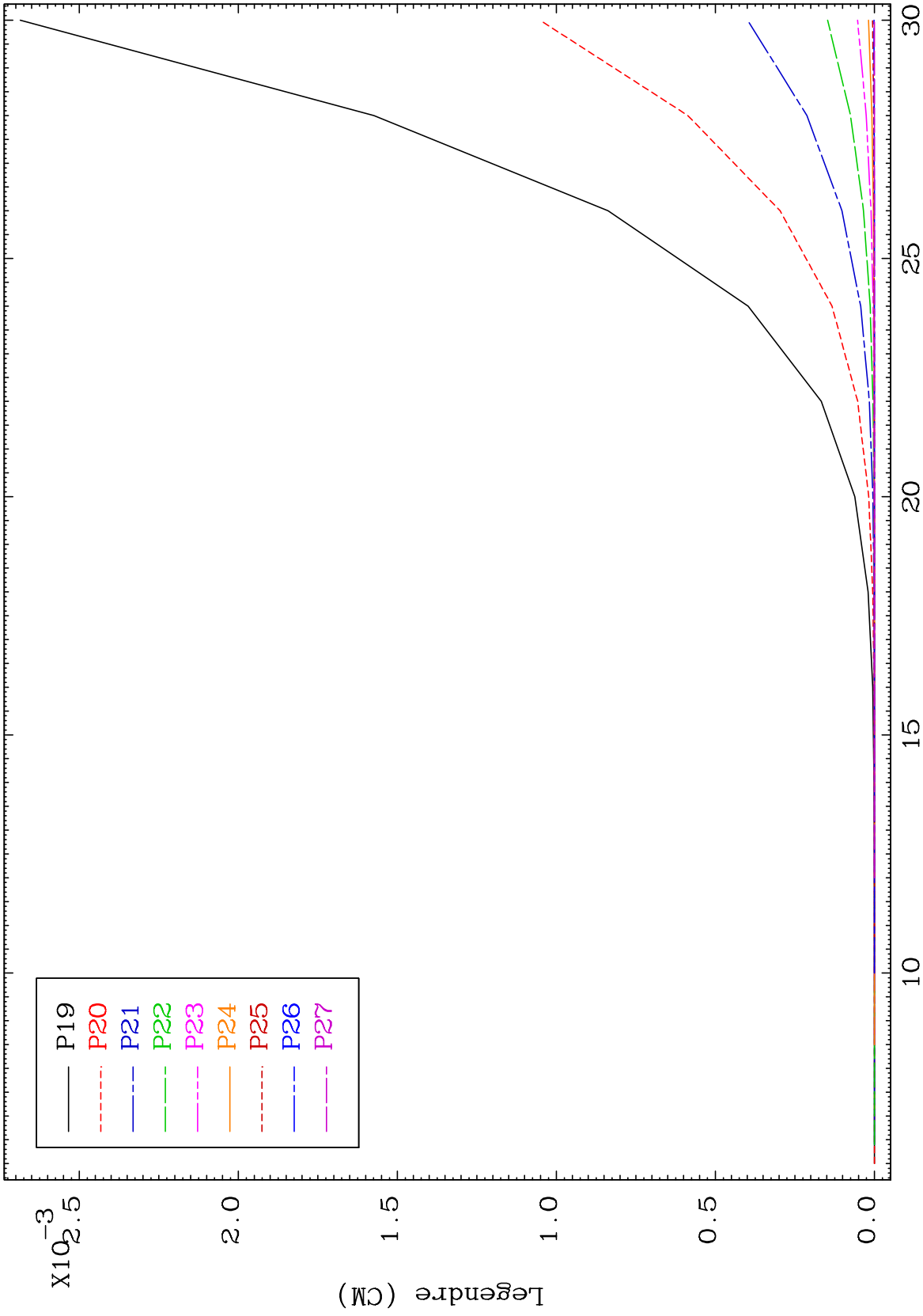
17

41-Nb-95

MAT 4131

Elastic Legendre Coefficients

41-Nb-95



18

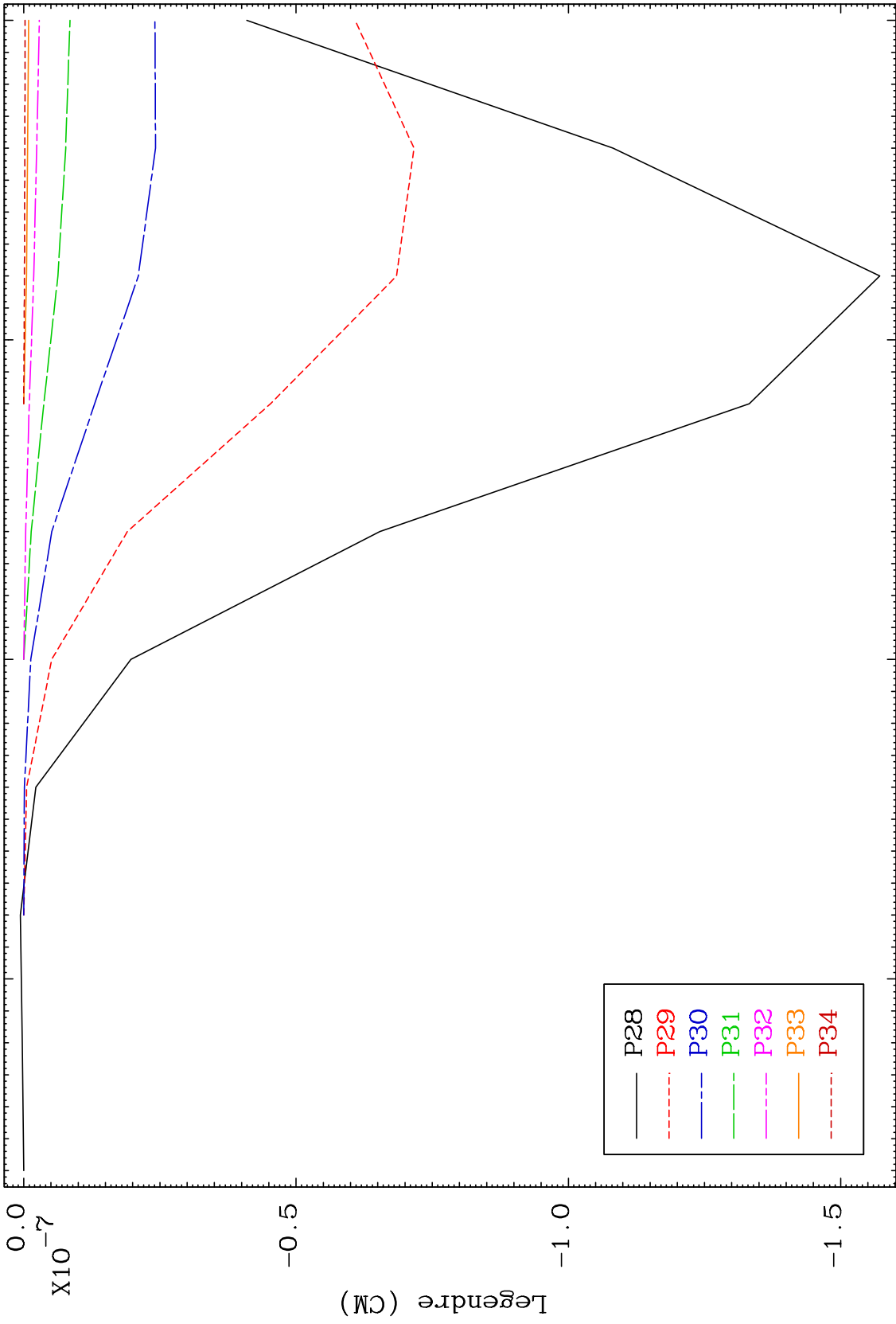
Incident Energy (MeV)

41-Nb-95

MAT 4131

41-Nb-95

Elastic Legendre Coefficients



19

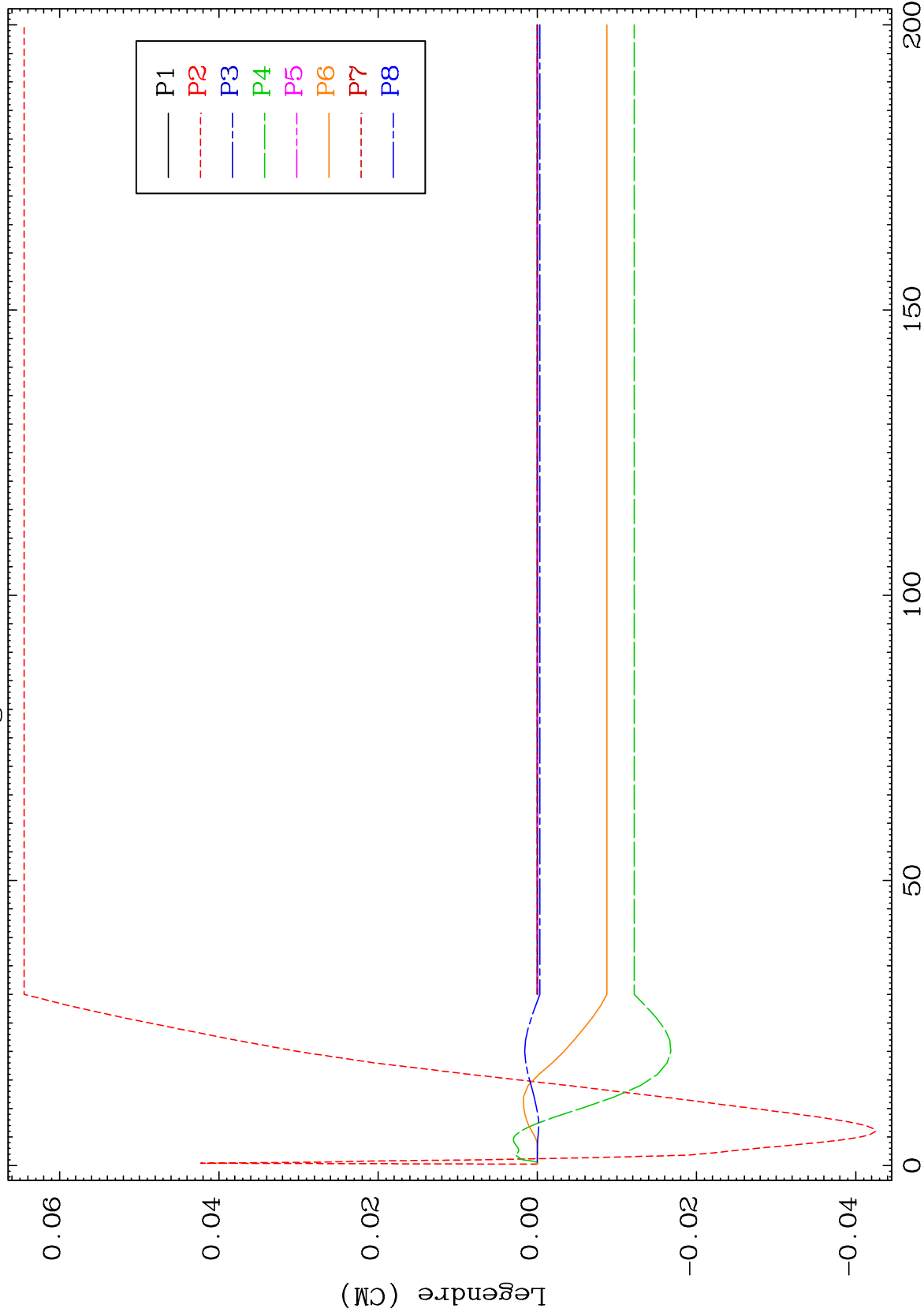
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

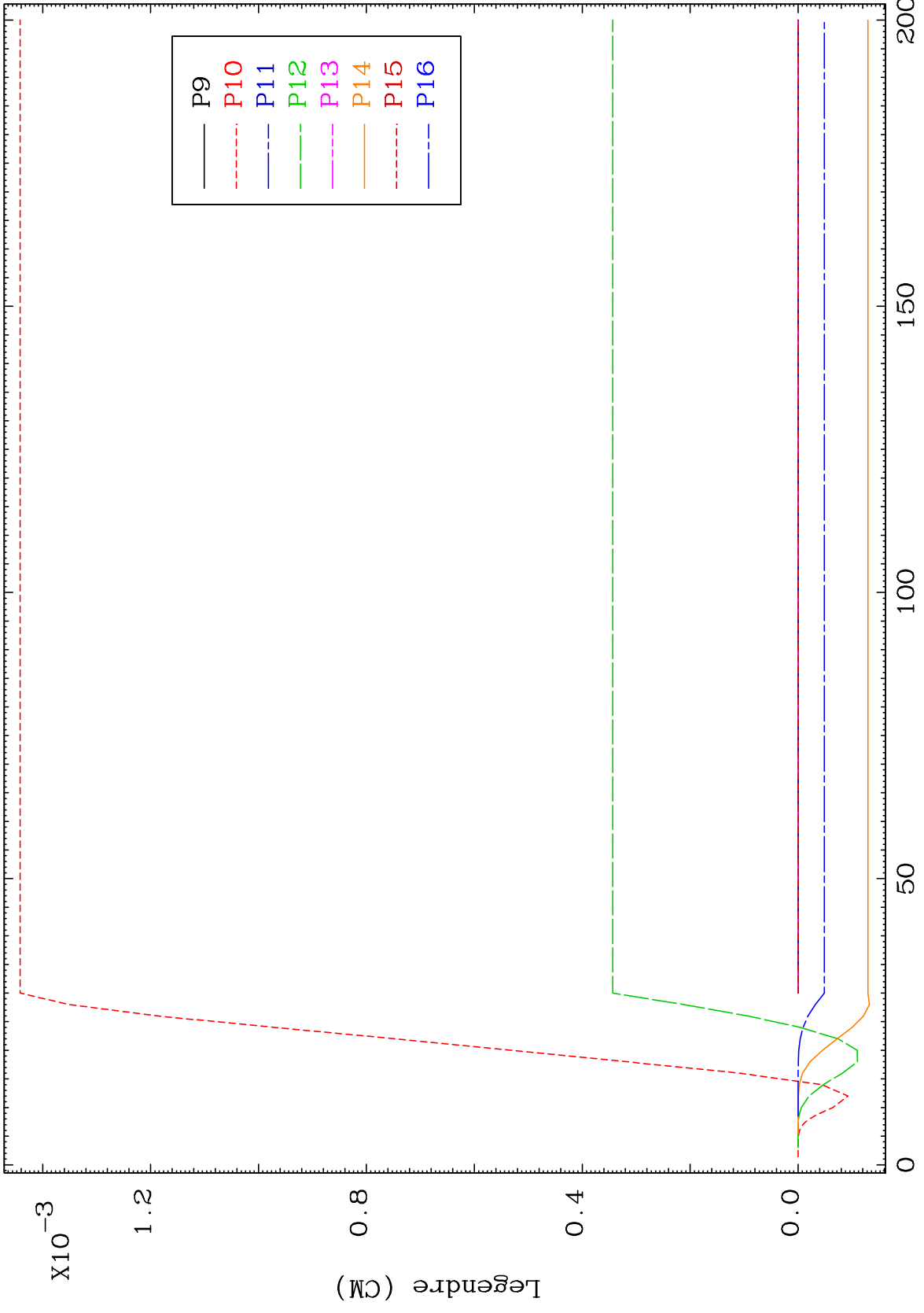
41-Nb-95



Incident Energy (MeV)

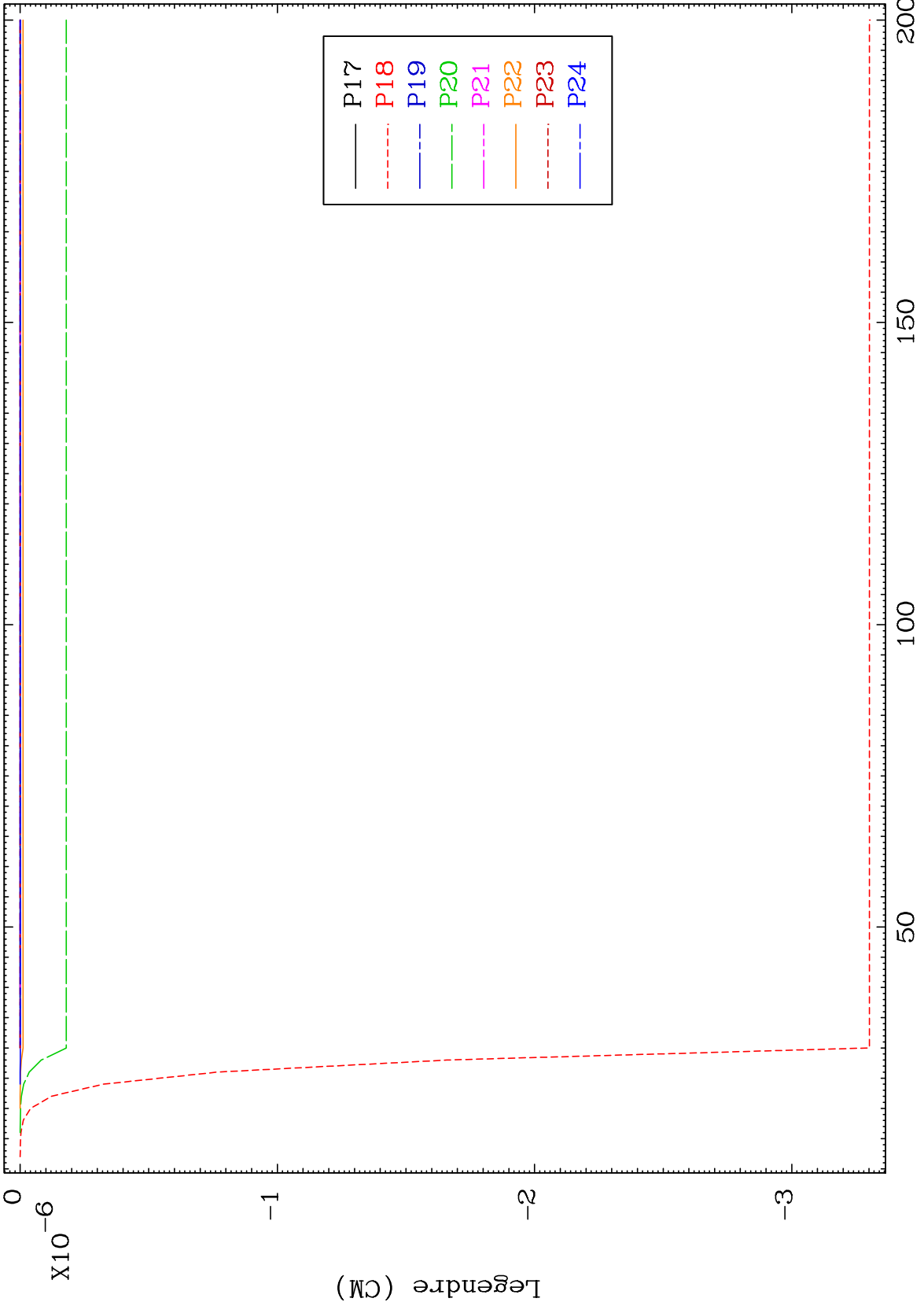
41-Nb-95

MAT 4131 MT= 51 (n,n') Level Legendre Coefficients 41-Nb-95



21 41-Nb-95

MAT 4131 MT= 51 (n,n') Level Legendre Coefficients 41-Nb-95

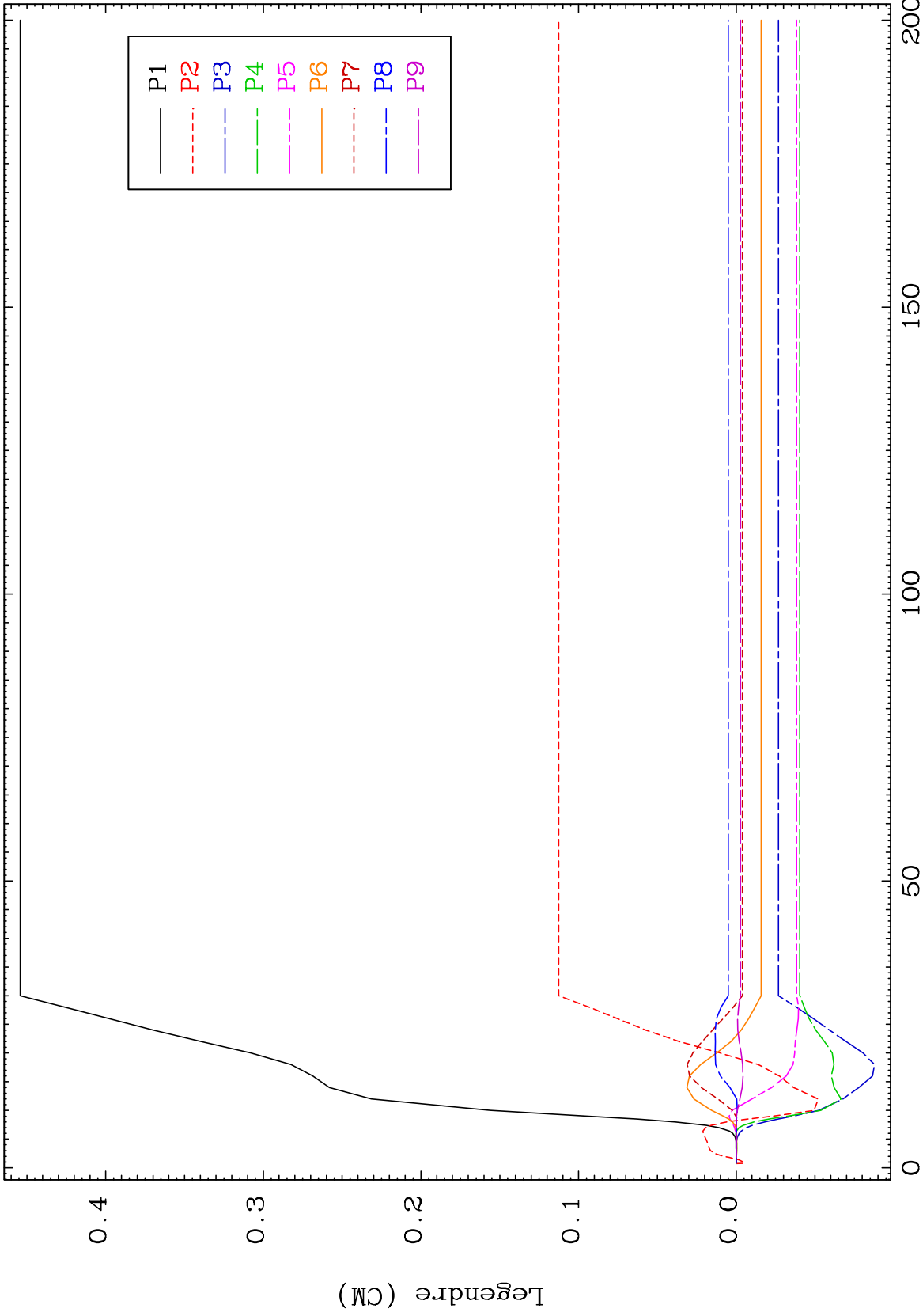


22 41-Nb-95

MAT 4131

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

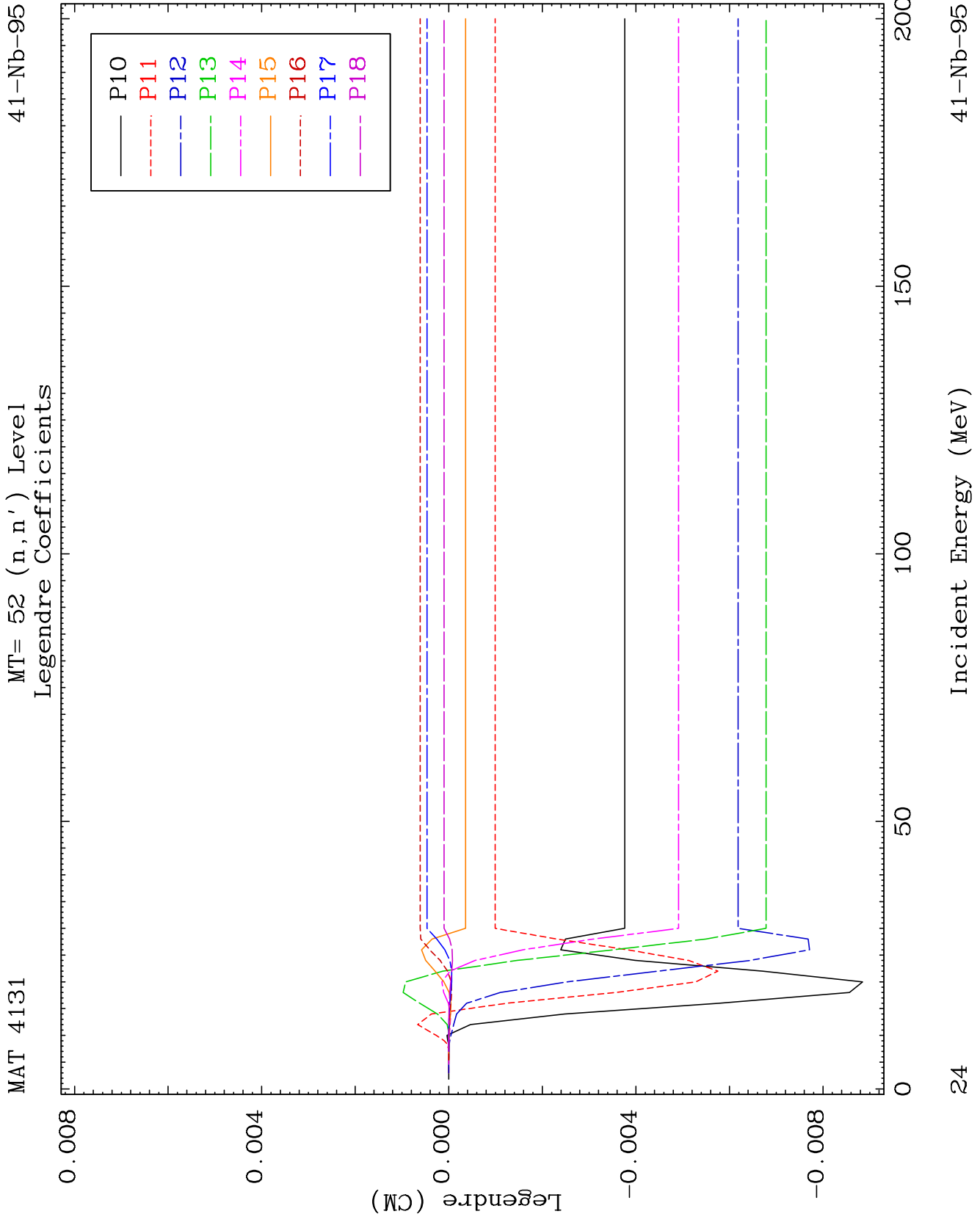
41-Nb-95



23

Incident Energy (MeV)

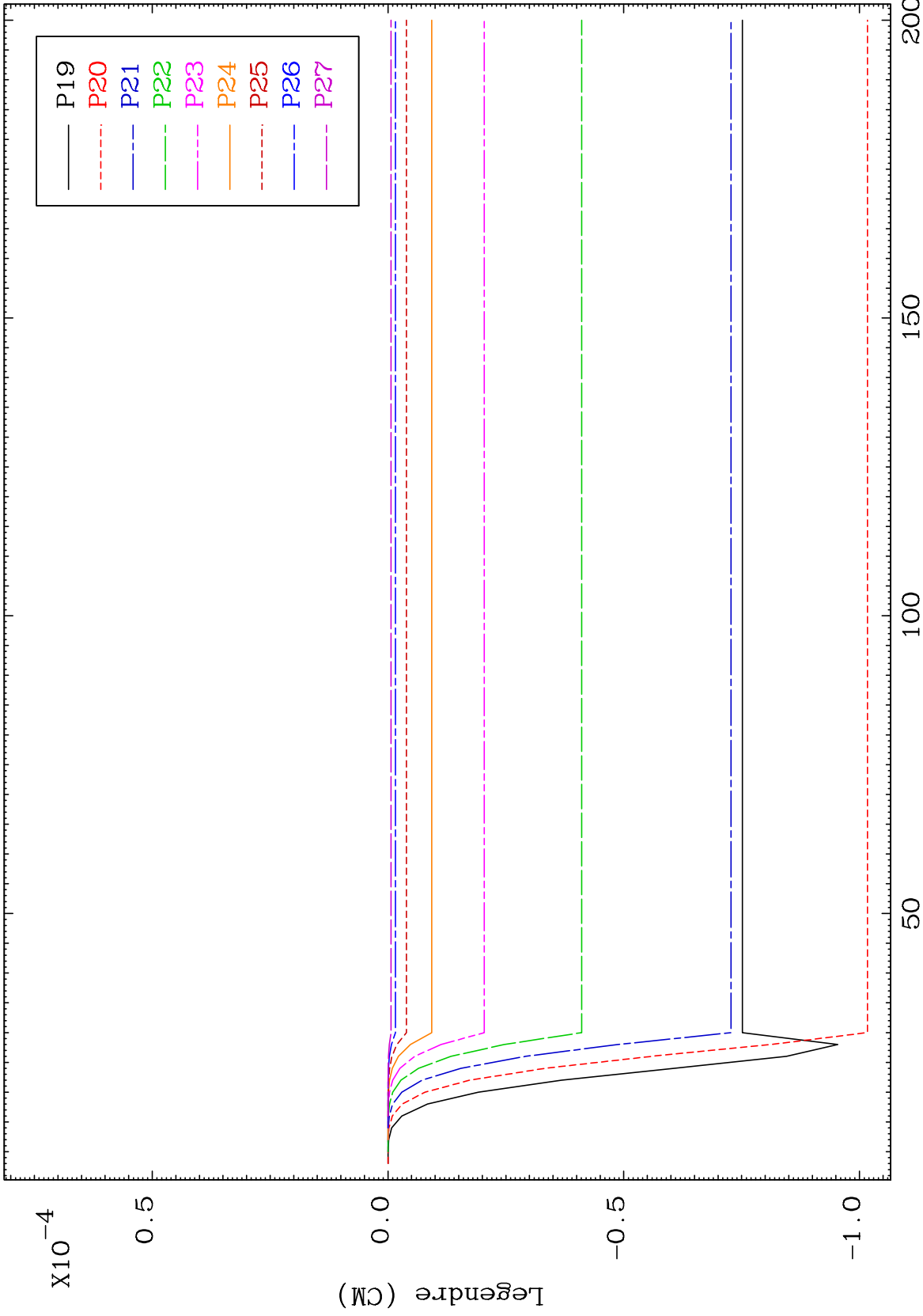
41-Nb-95



MAT 4131

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

41-Nb-95



25

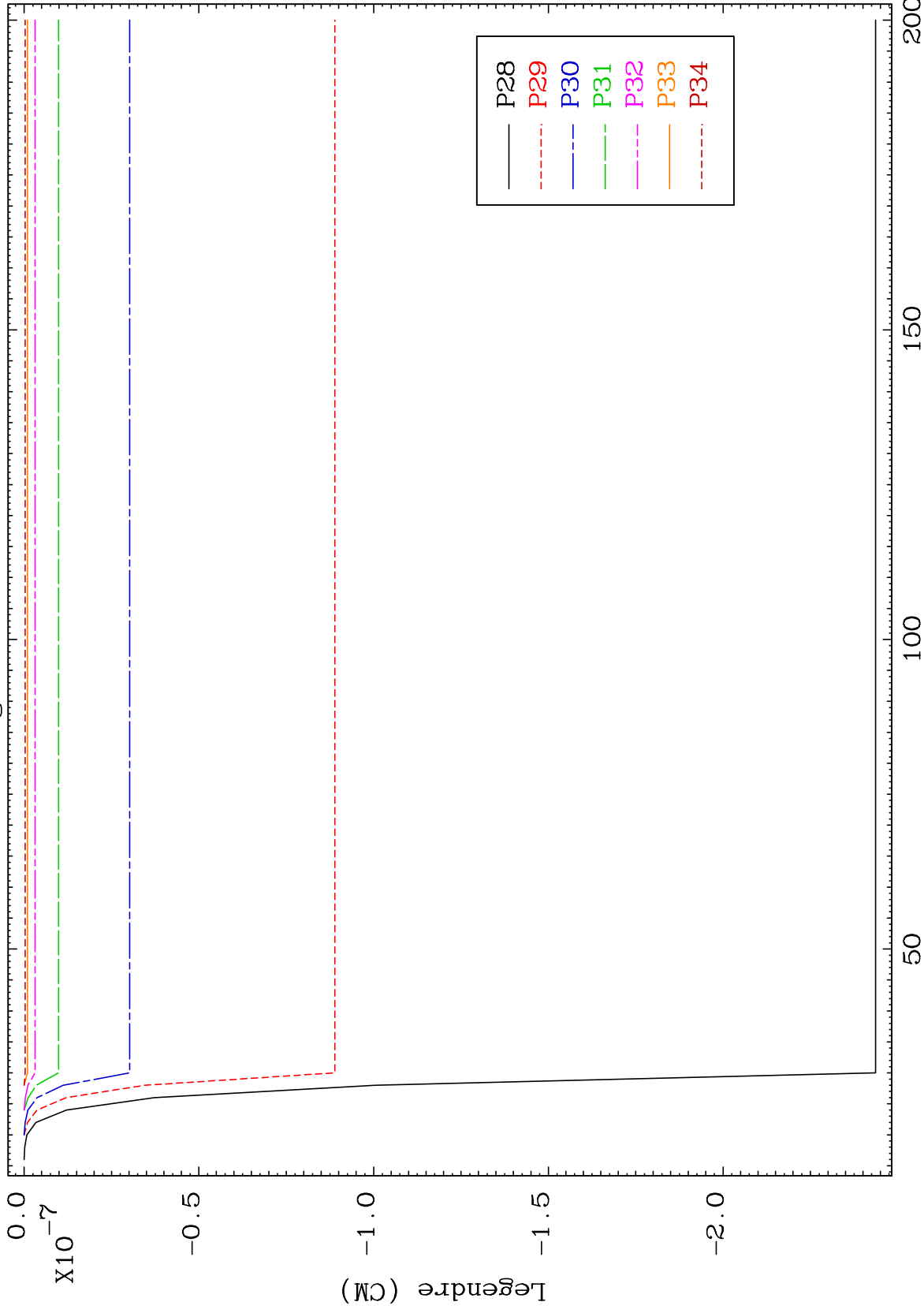
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



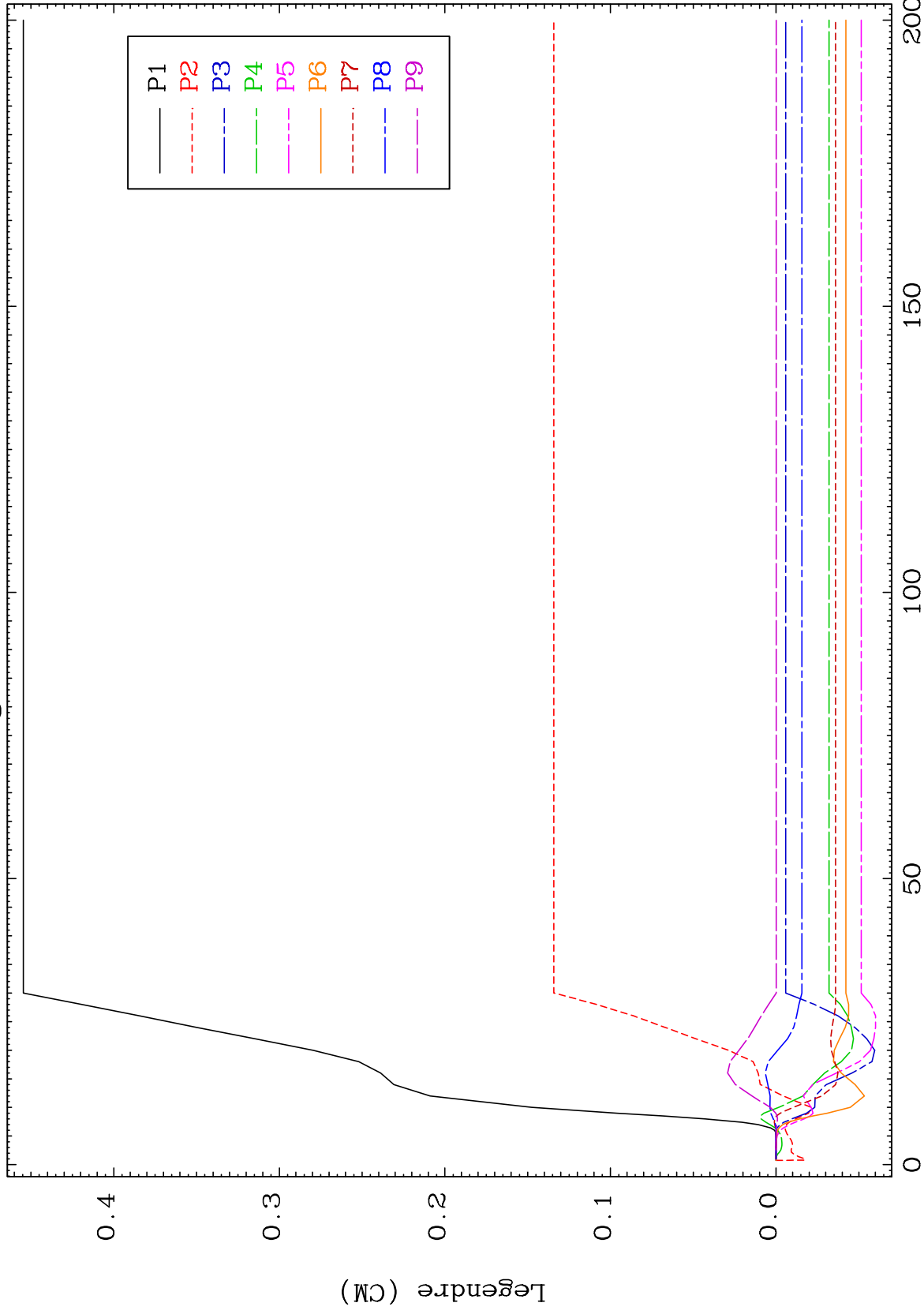
26

41-Nb-95

MAT 4131

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

41-Nb-95



27

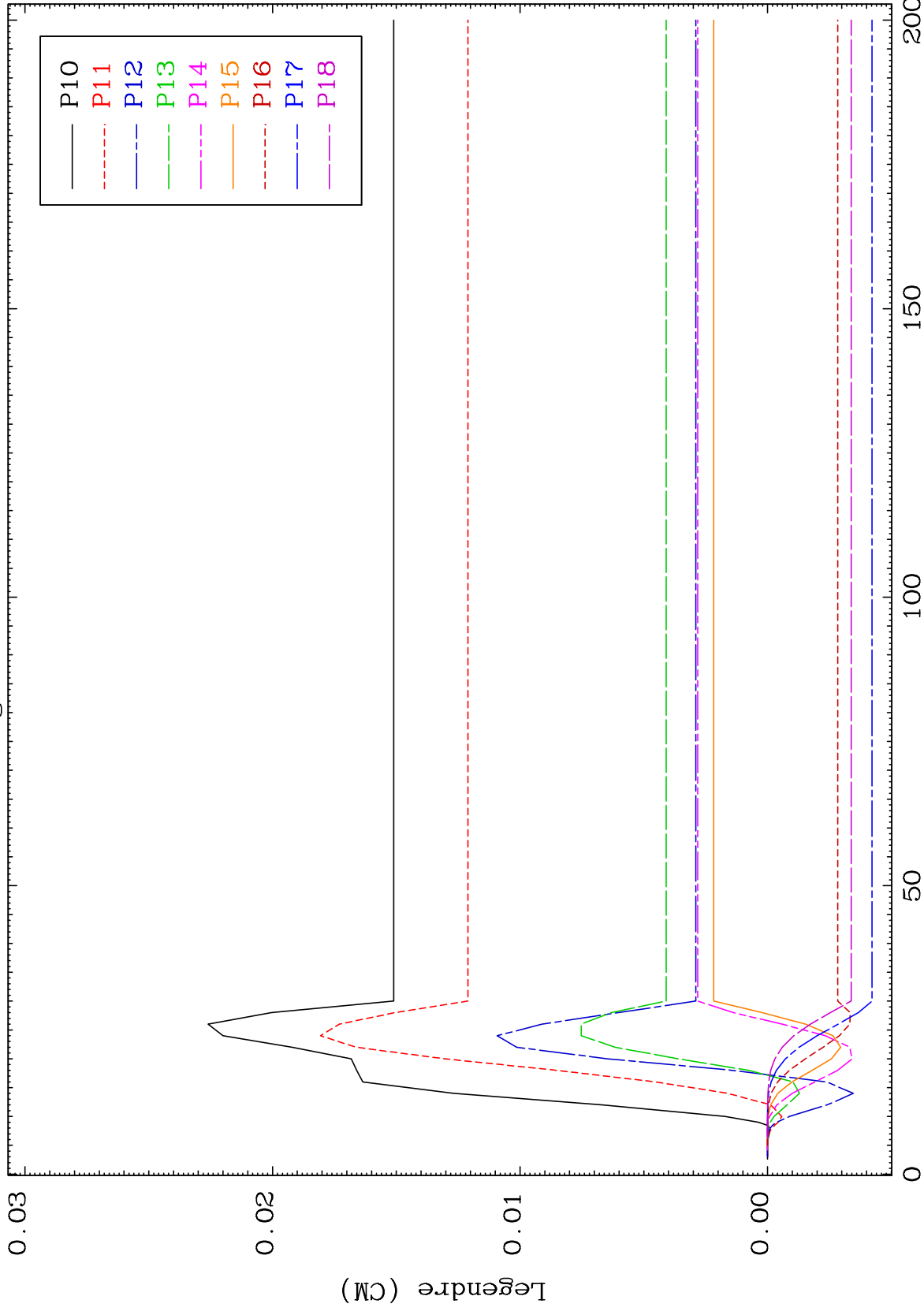
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95

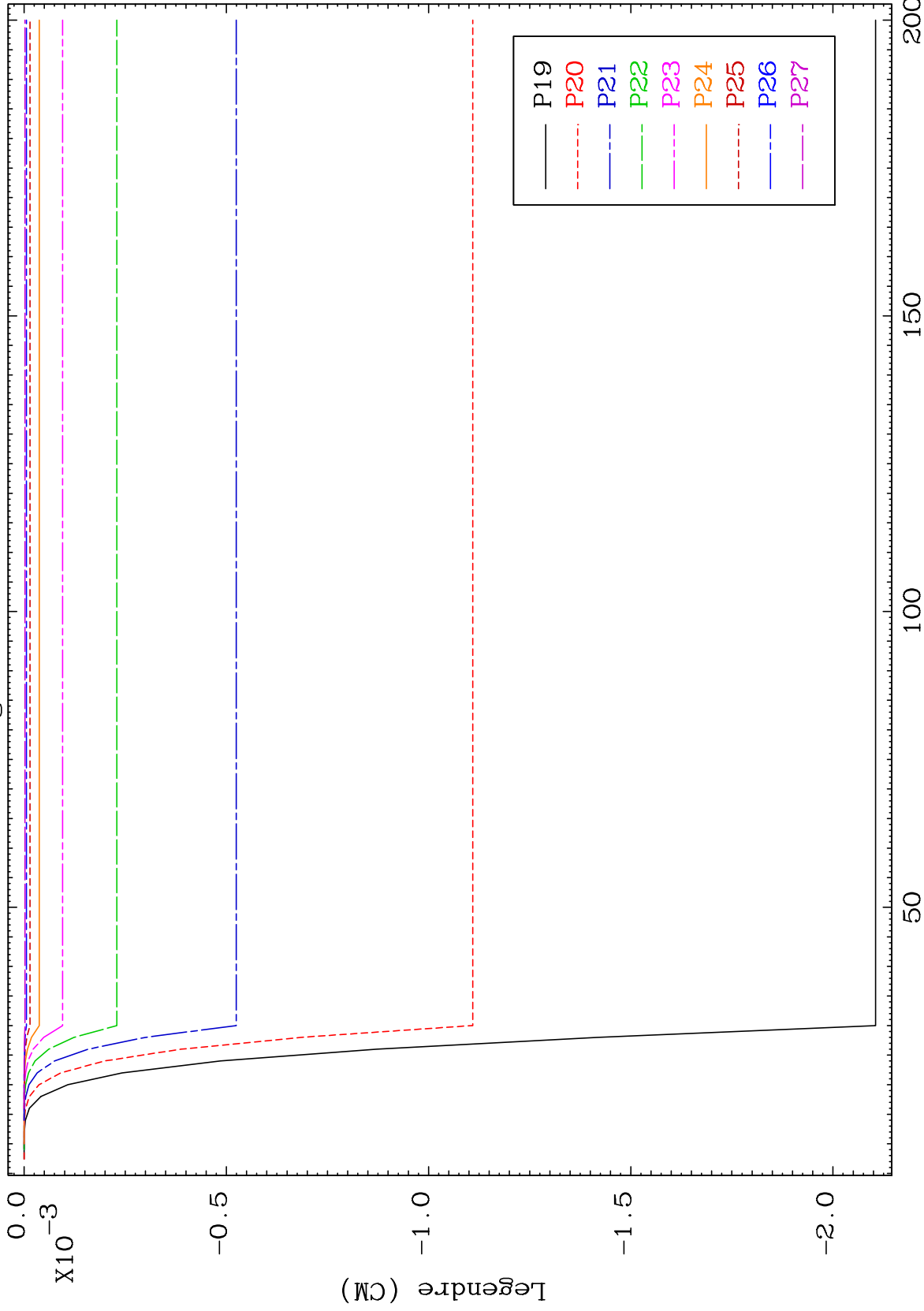


28

Incident Energy (MeV)

41-Nb-95

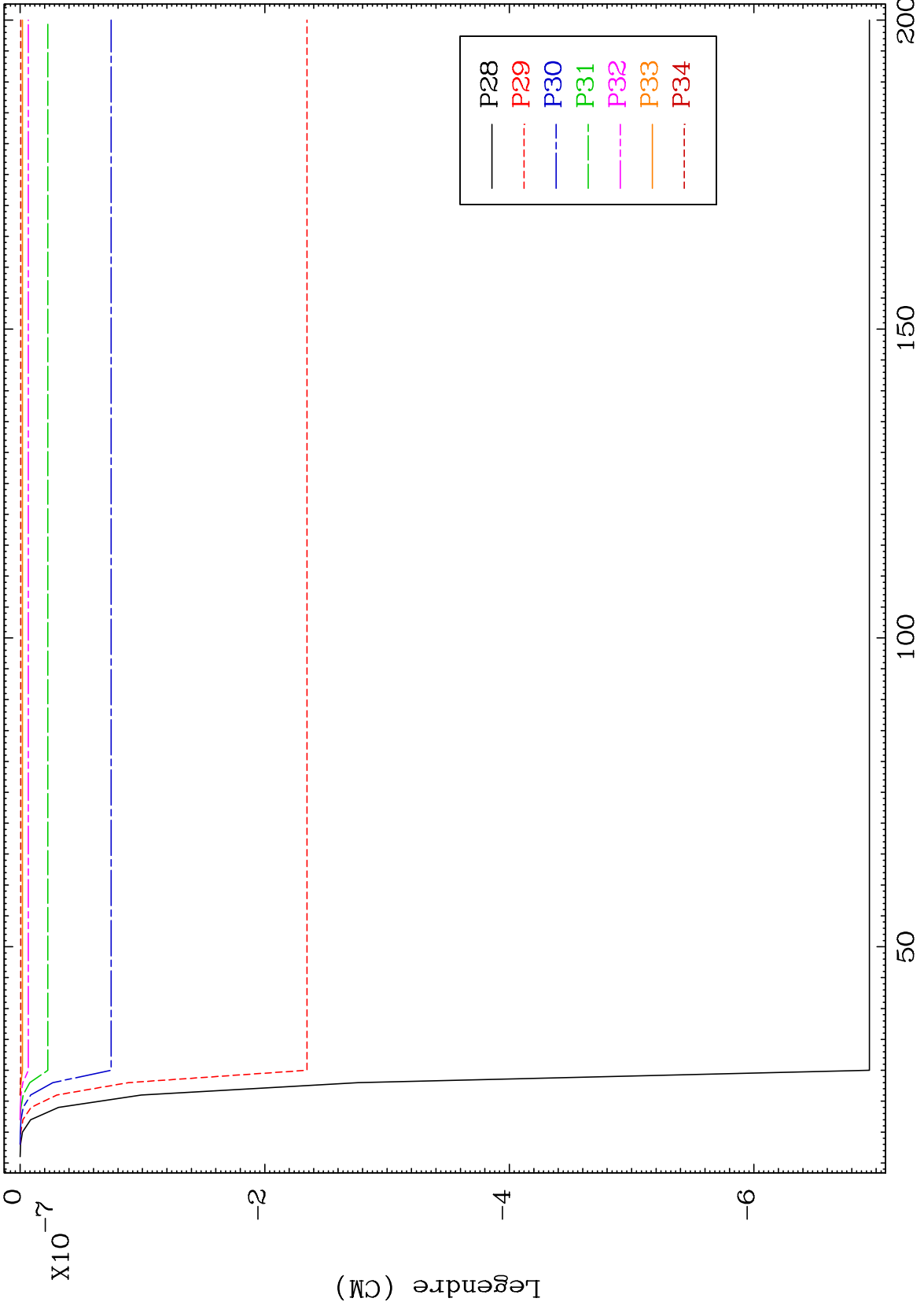
MAT 4131 MT= 53 (n,n') Level Legendre Coefficients 41-Nb-95



MAT 4131

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

41-Nb-95



41-Nb-95

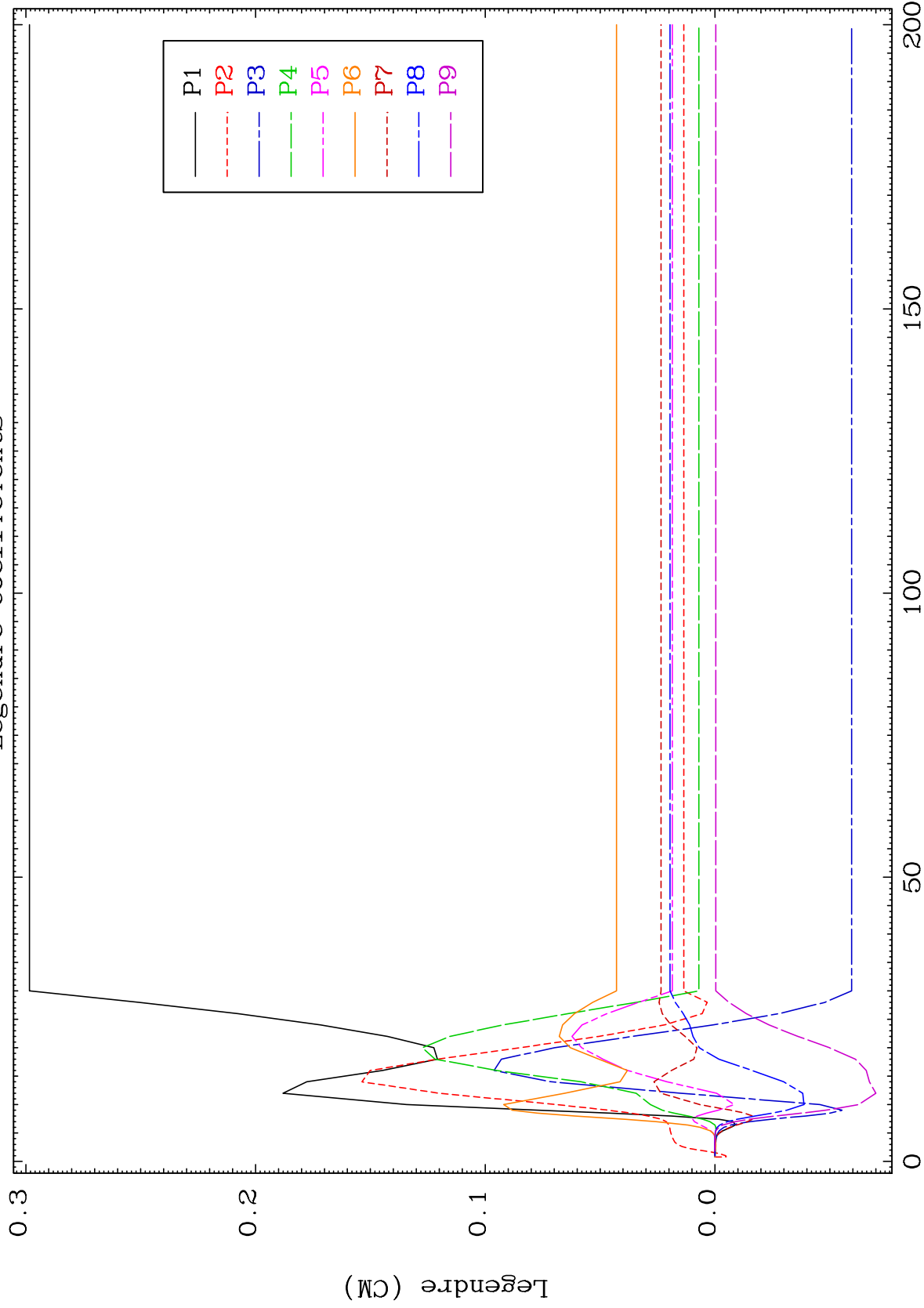
Incident Energy (MeV)

30

MAT 4131

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

41-Nb-95



31

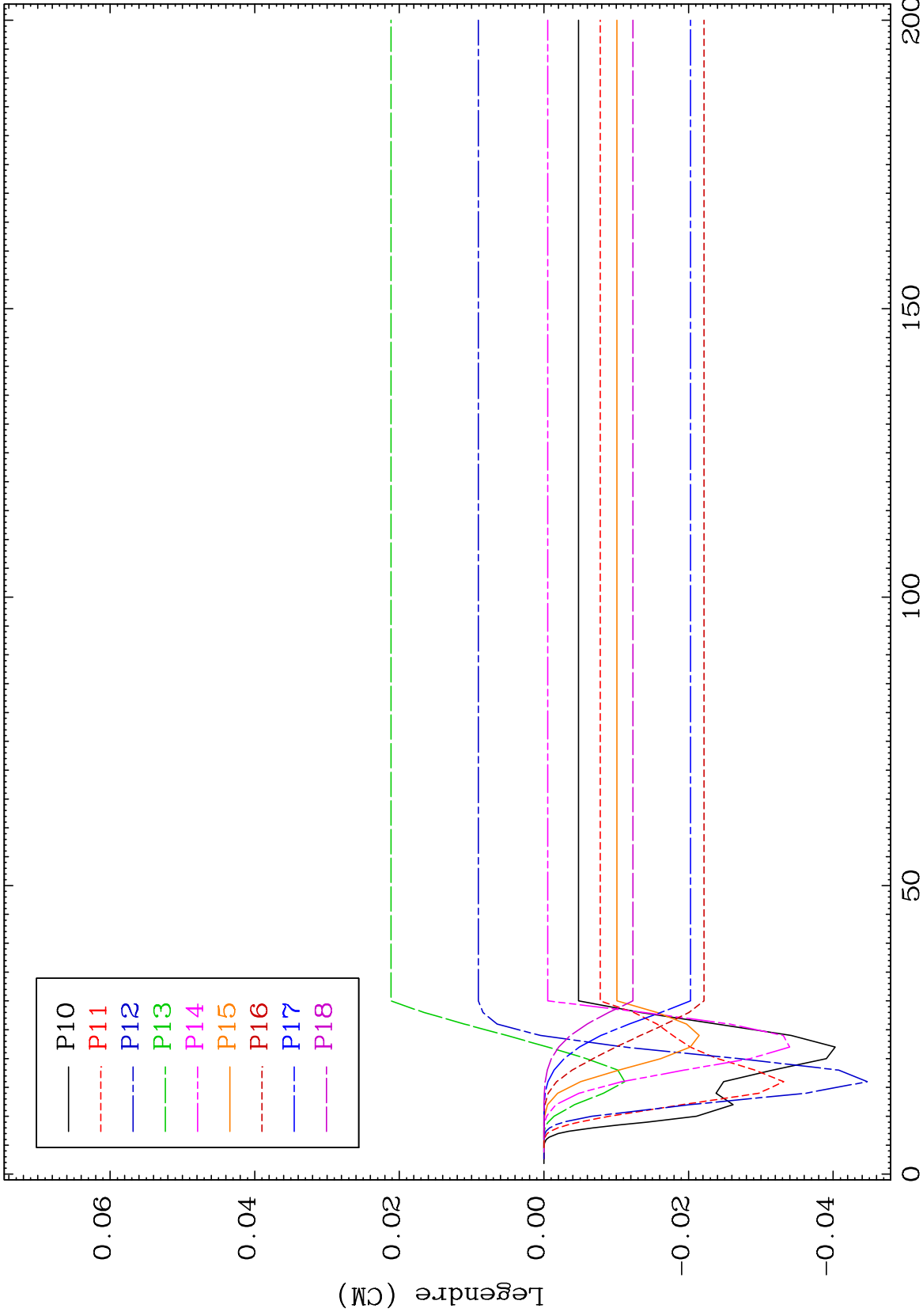
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95

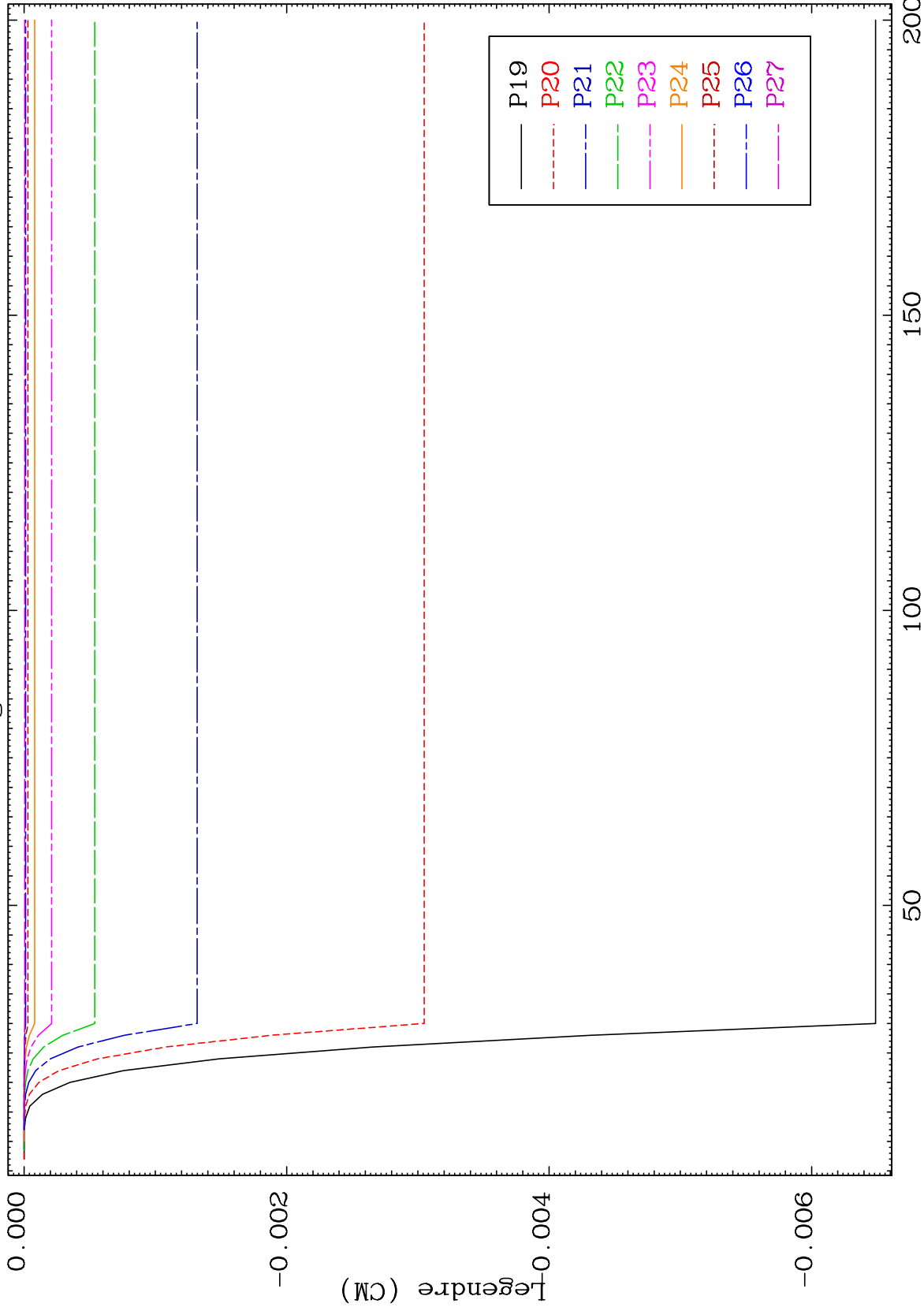


32

Incident Energy (MeV)

41-Nb-95

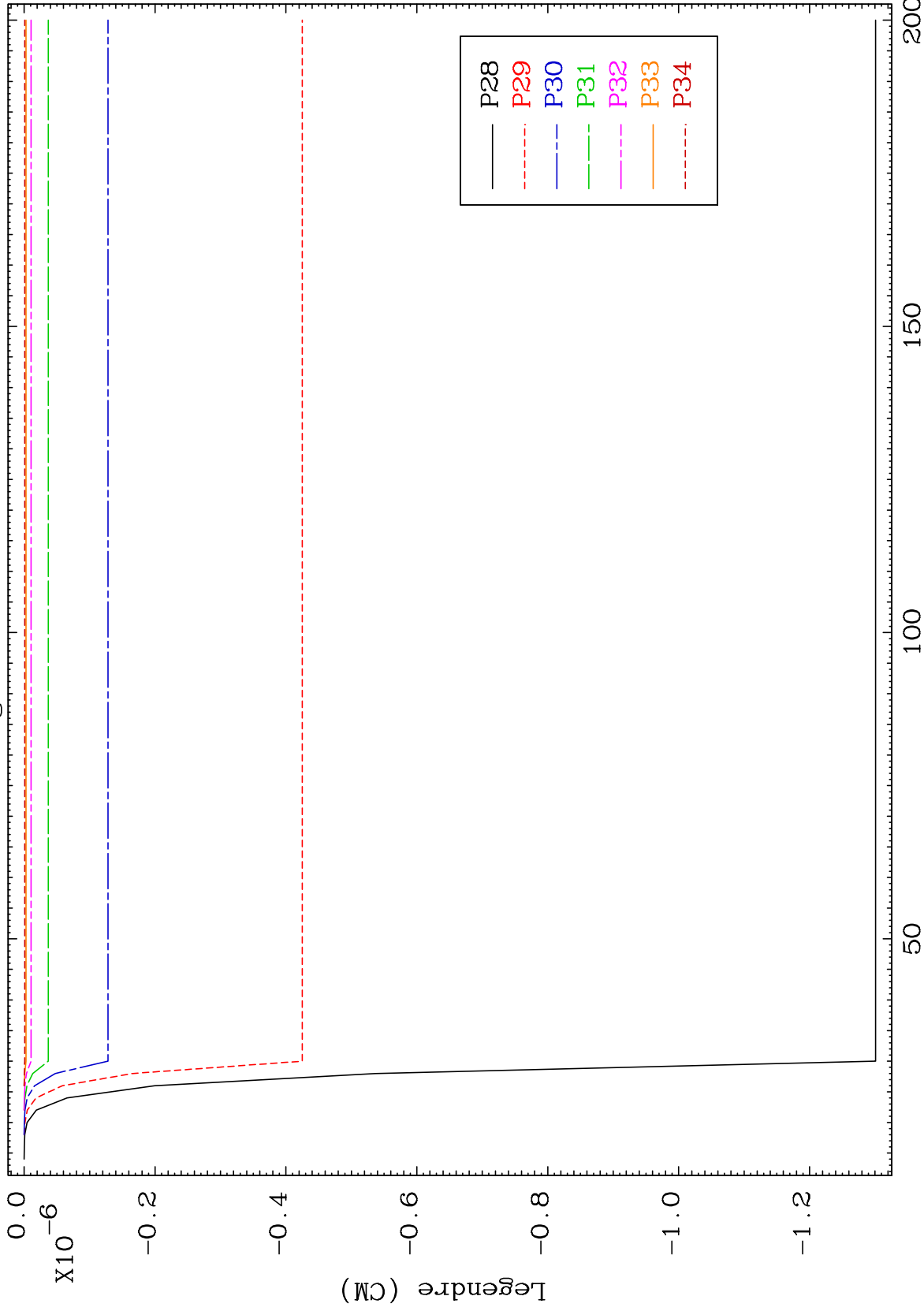
MAT 4131 MT= 54 (n,n') Level Legendre Coefficients 41-Nb-95



MAT 4131

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

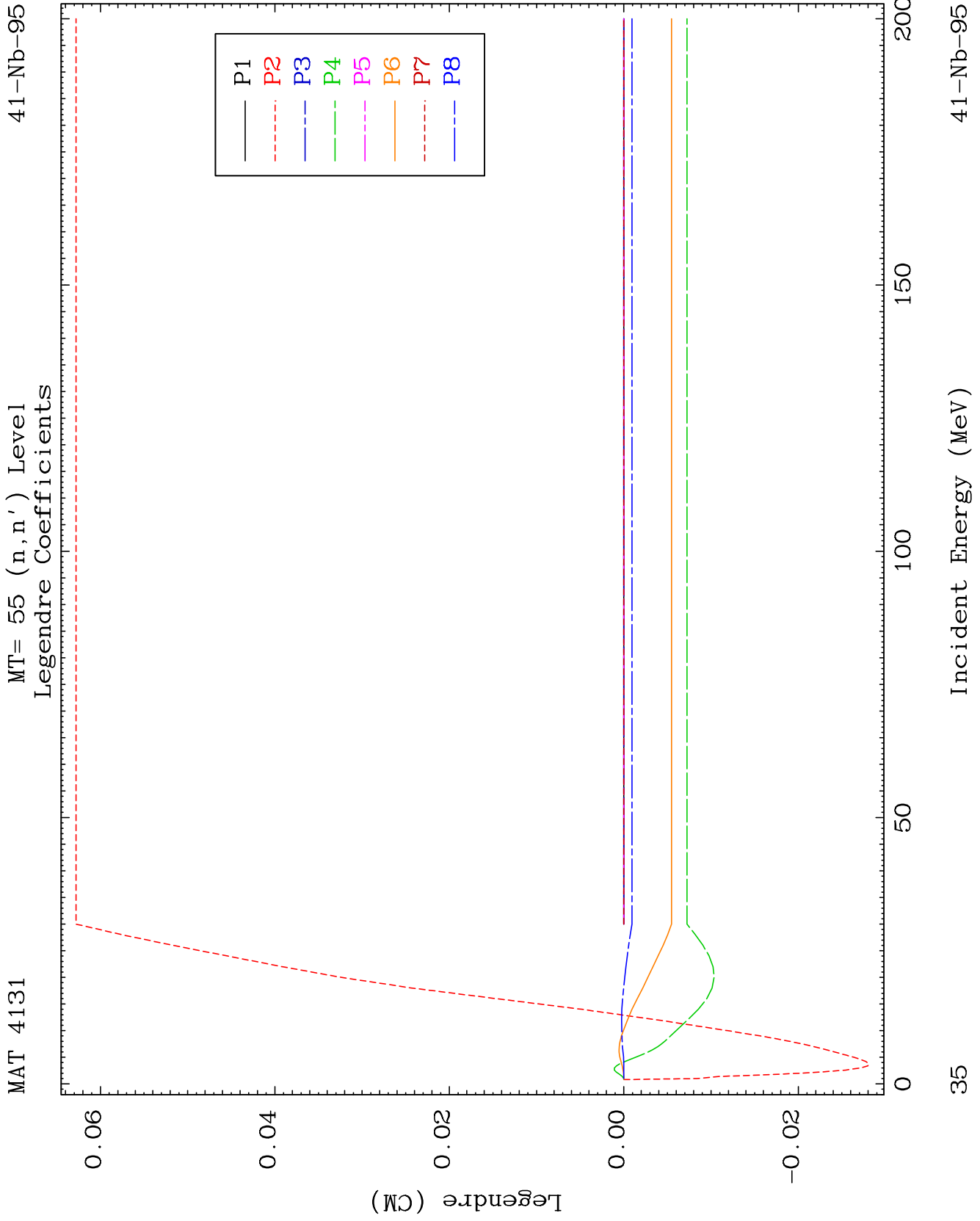
41-Nb-95



41-Nb-95

Incident Energy (MeV)

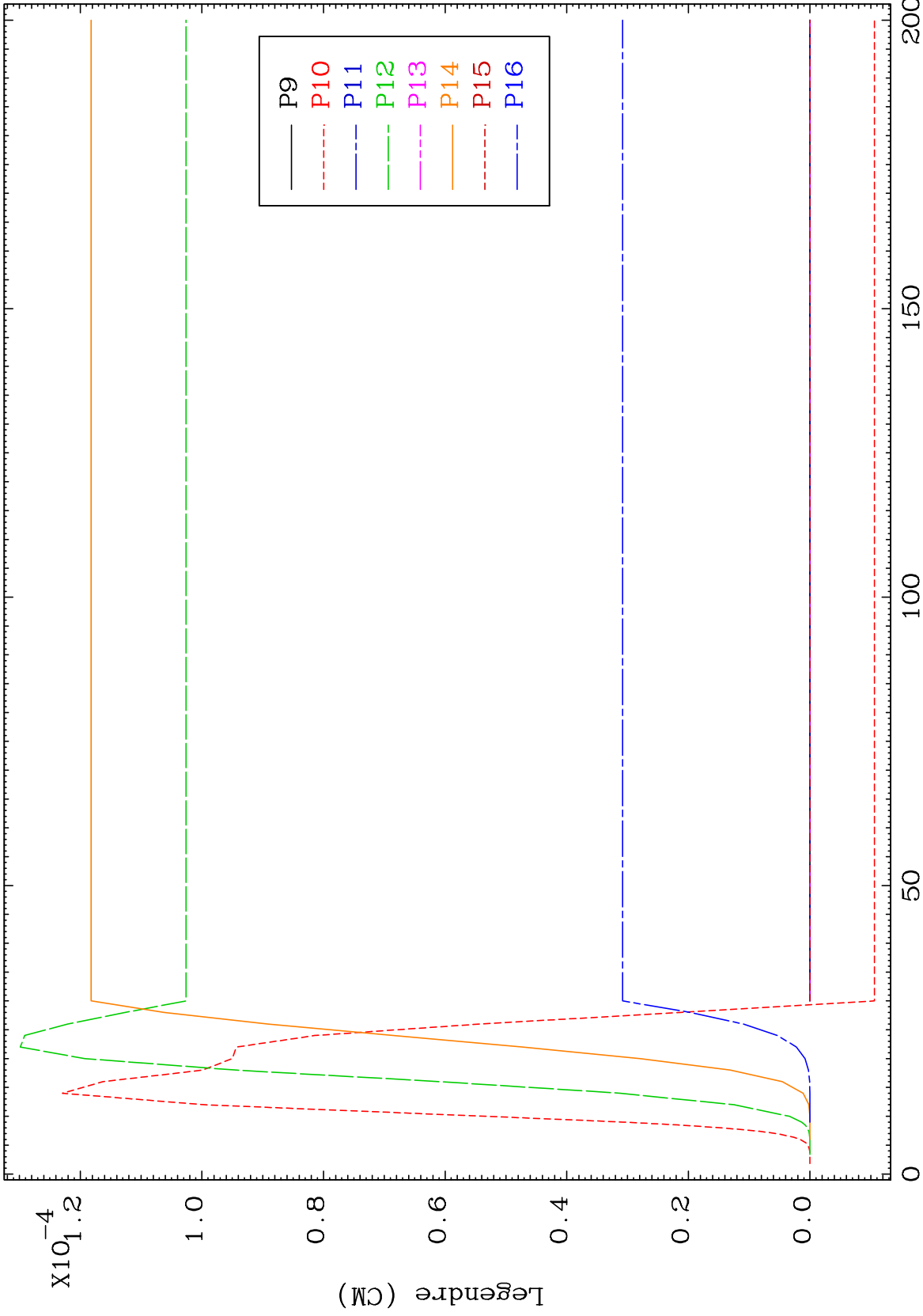
34



MAT 4131

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

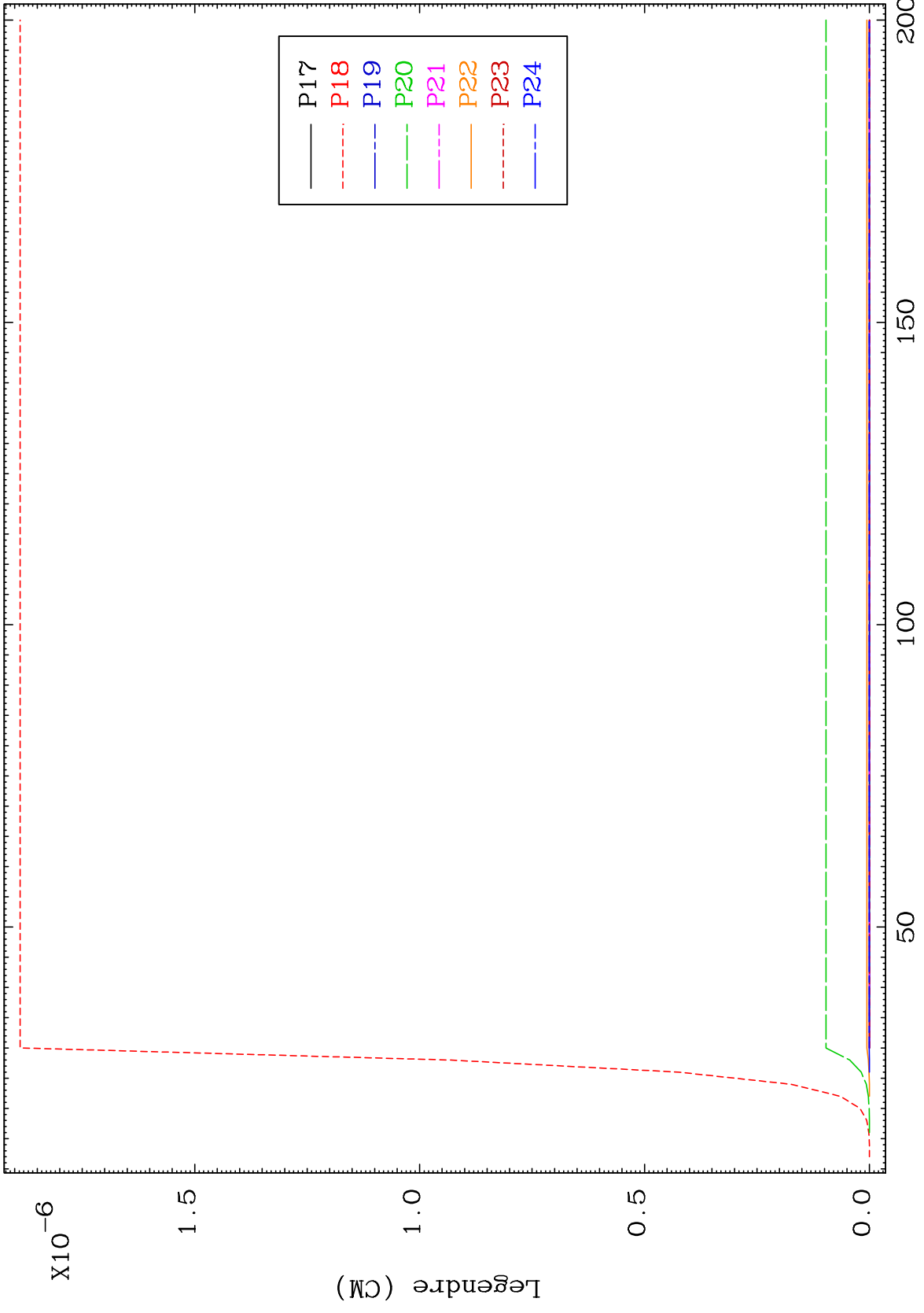
41-Nb-95



36

41-Nb-95

MAT 4131 MT= 55 (n,n') Level Legendre Coefficients 41-Nb-95

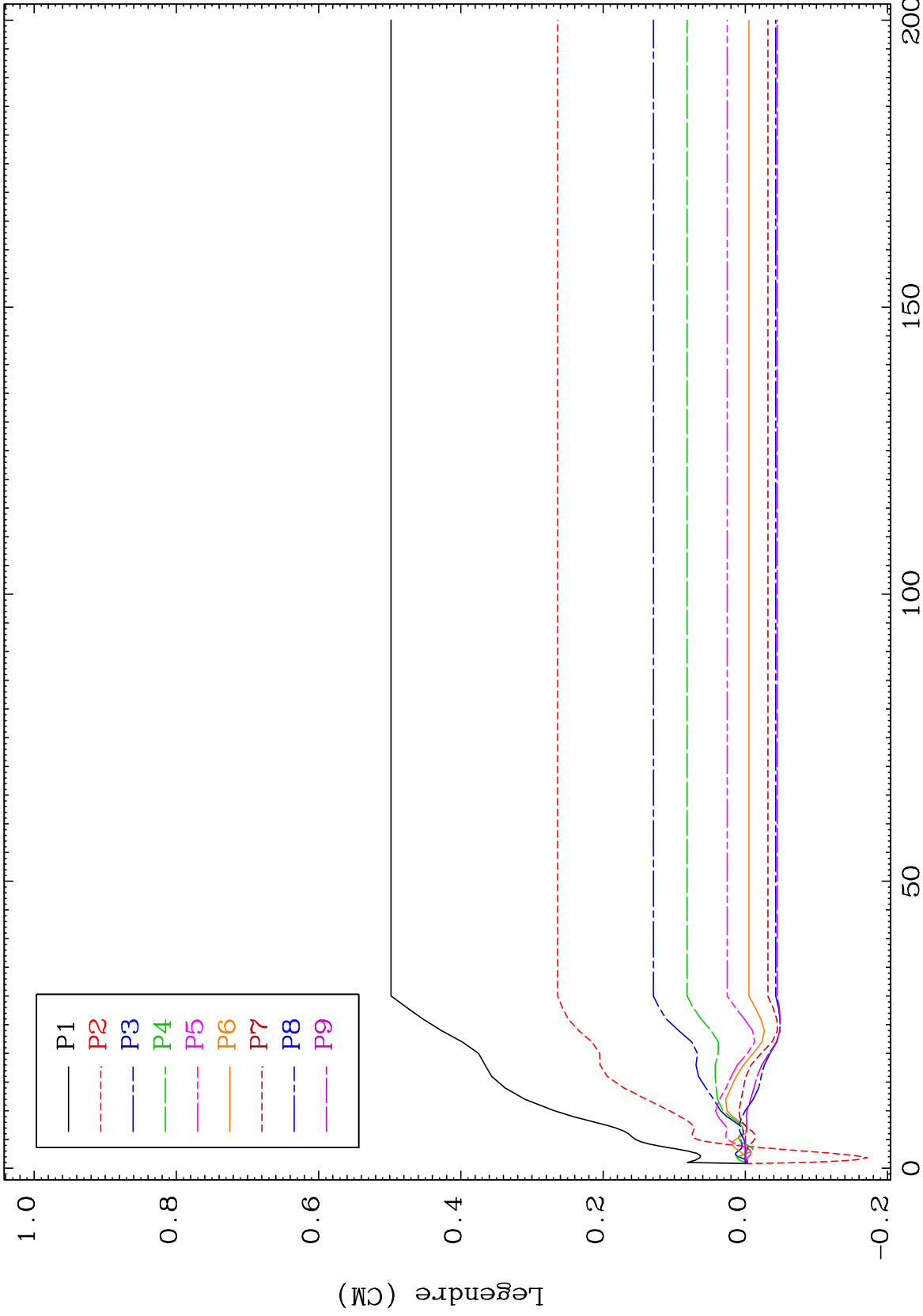


37 Incident Energy (MeV) 41-Nb-95

MAT 4131

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

41-Nb-95



38

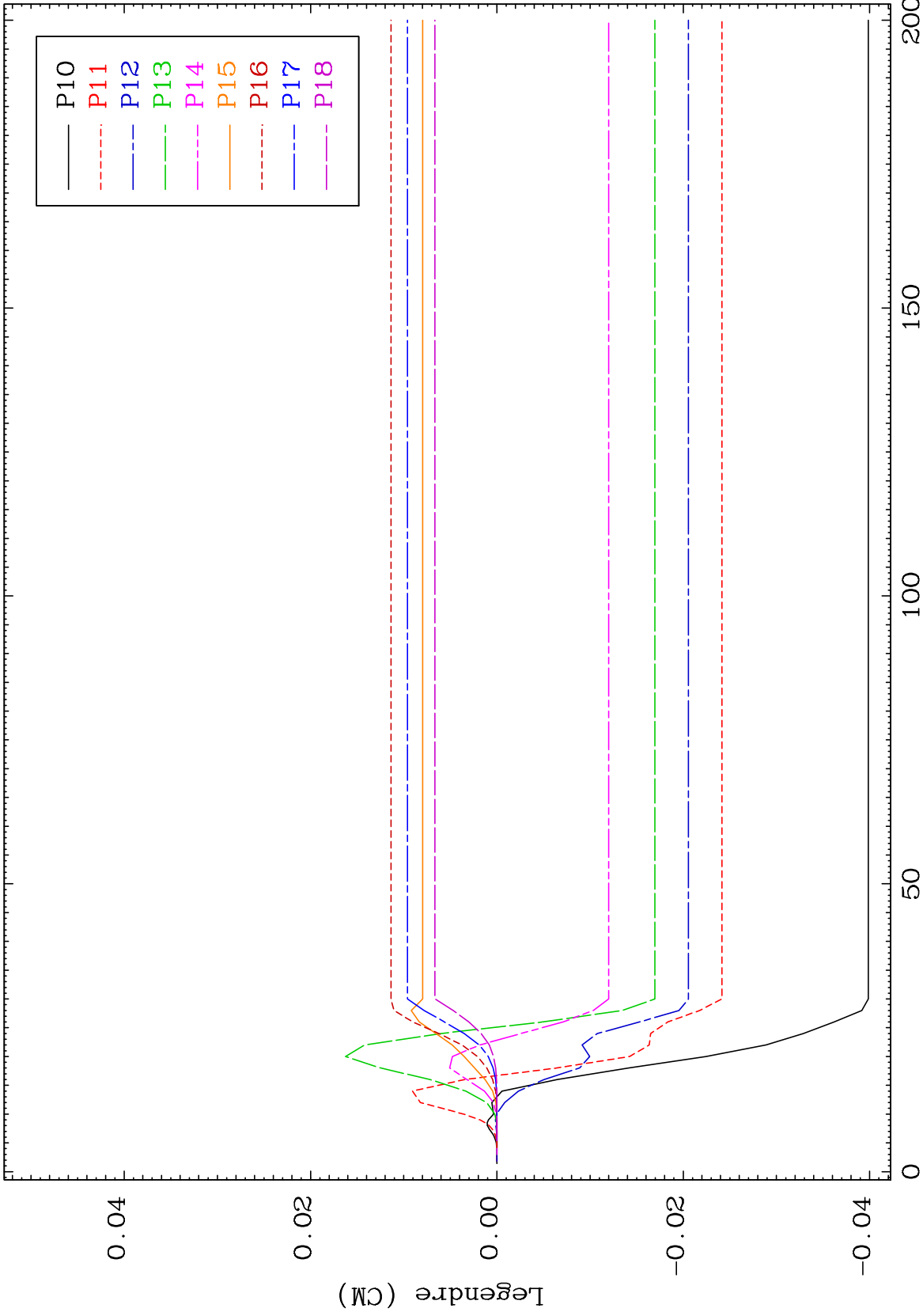
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



39

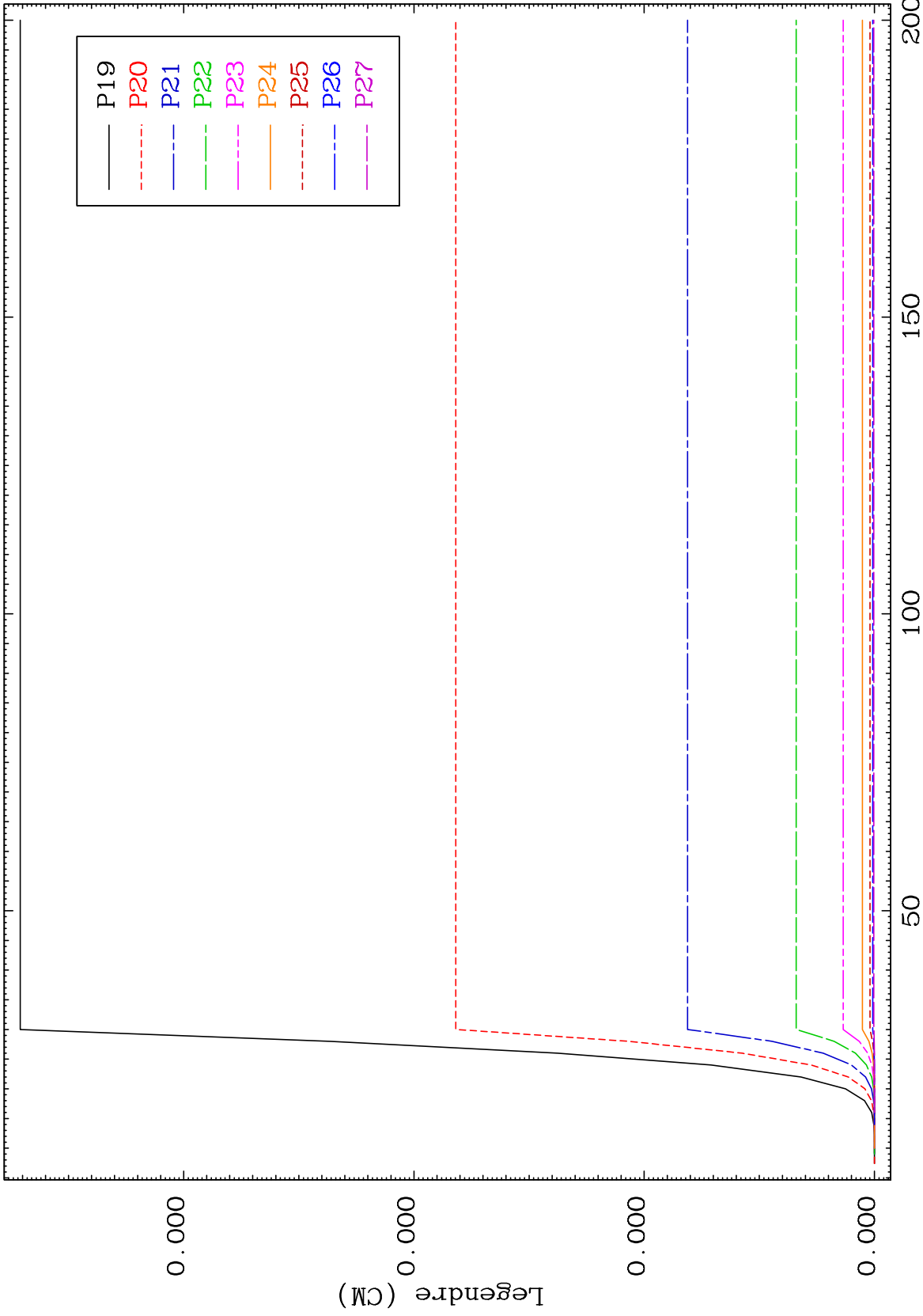
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



40

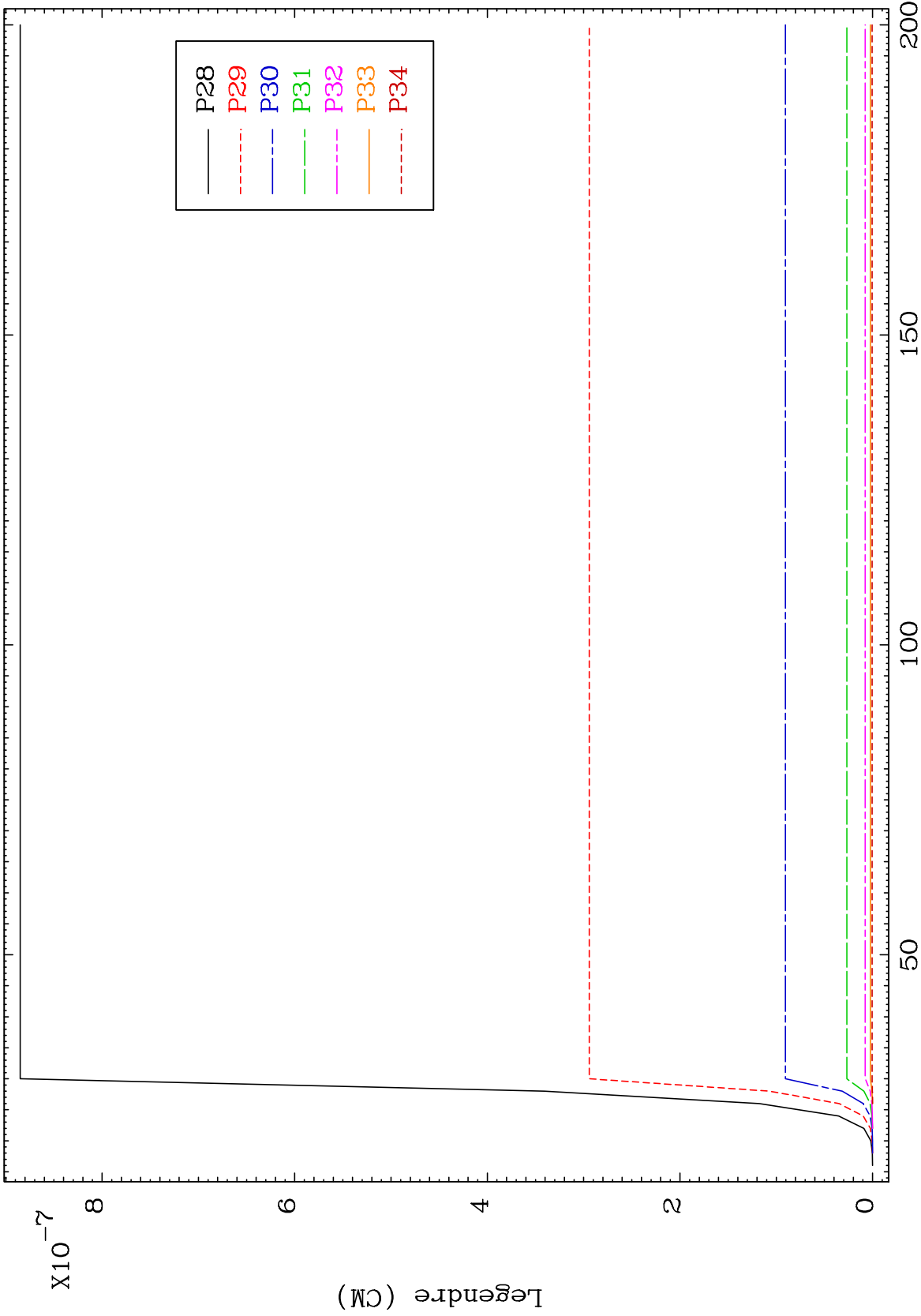
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



41

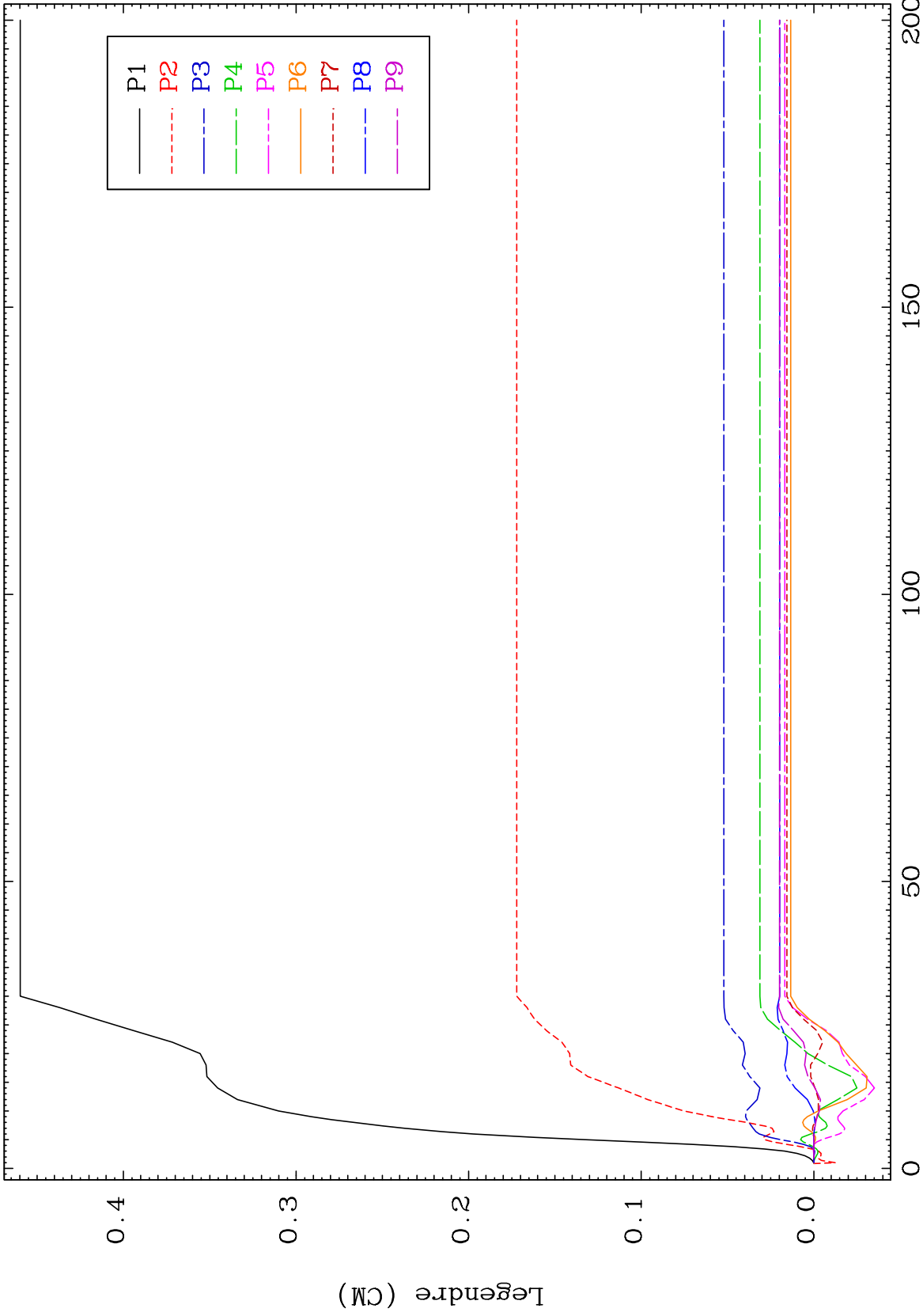
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



42

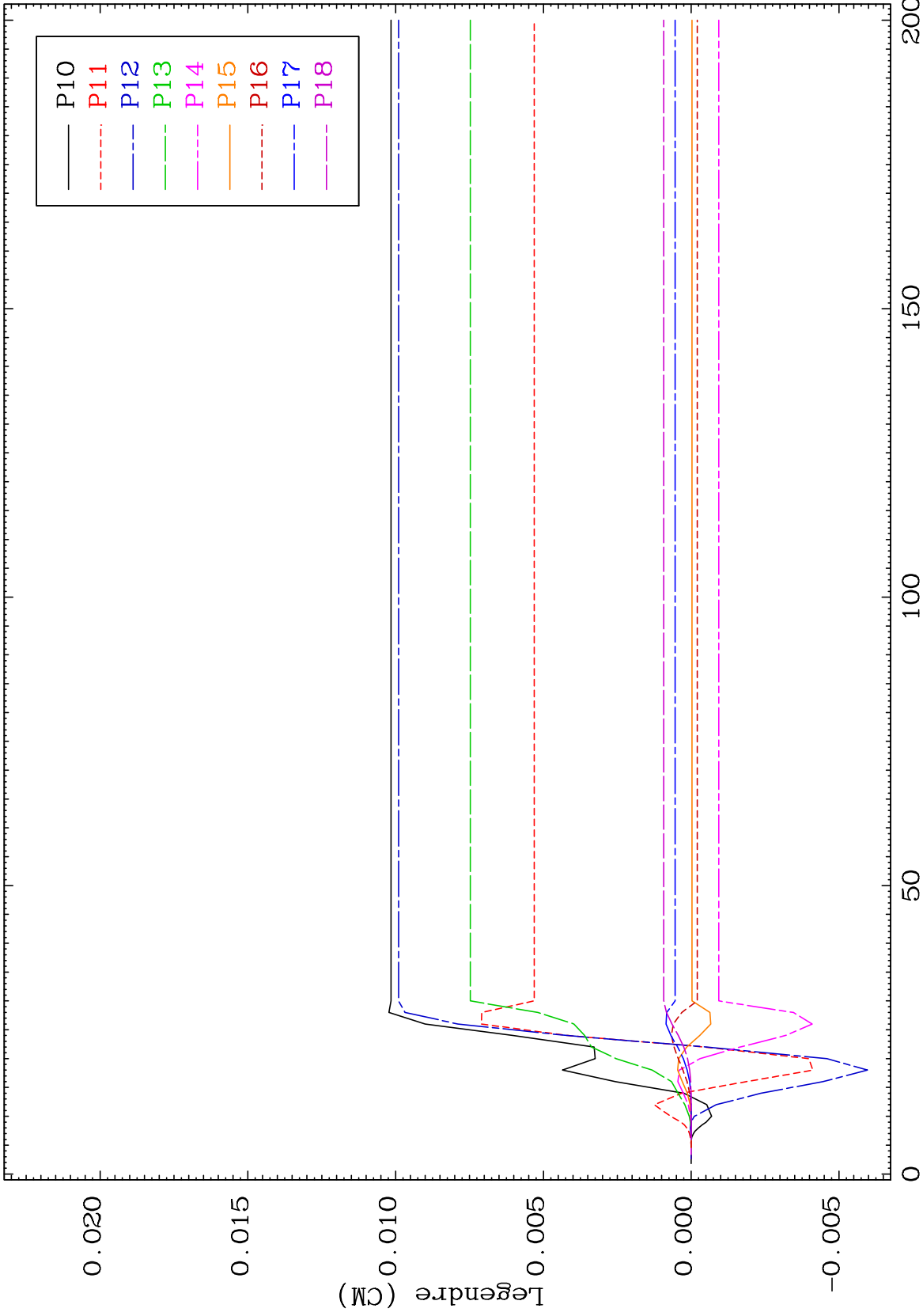
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



43

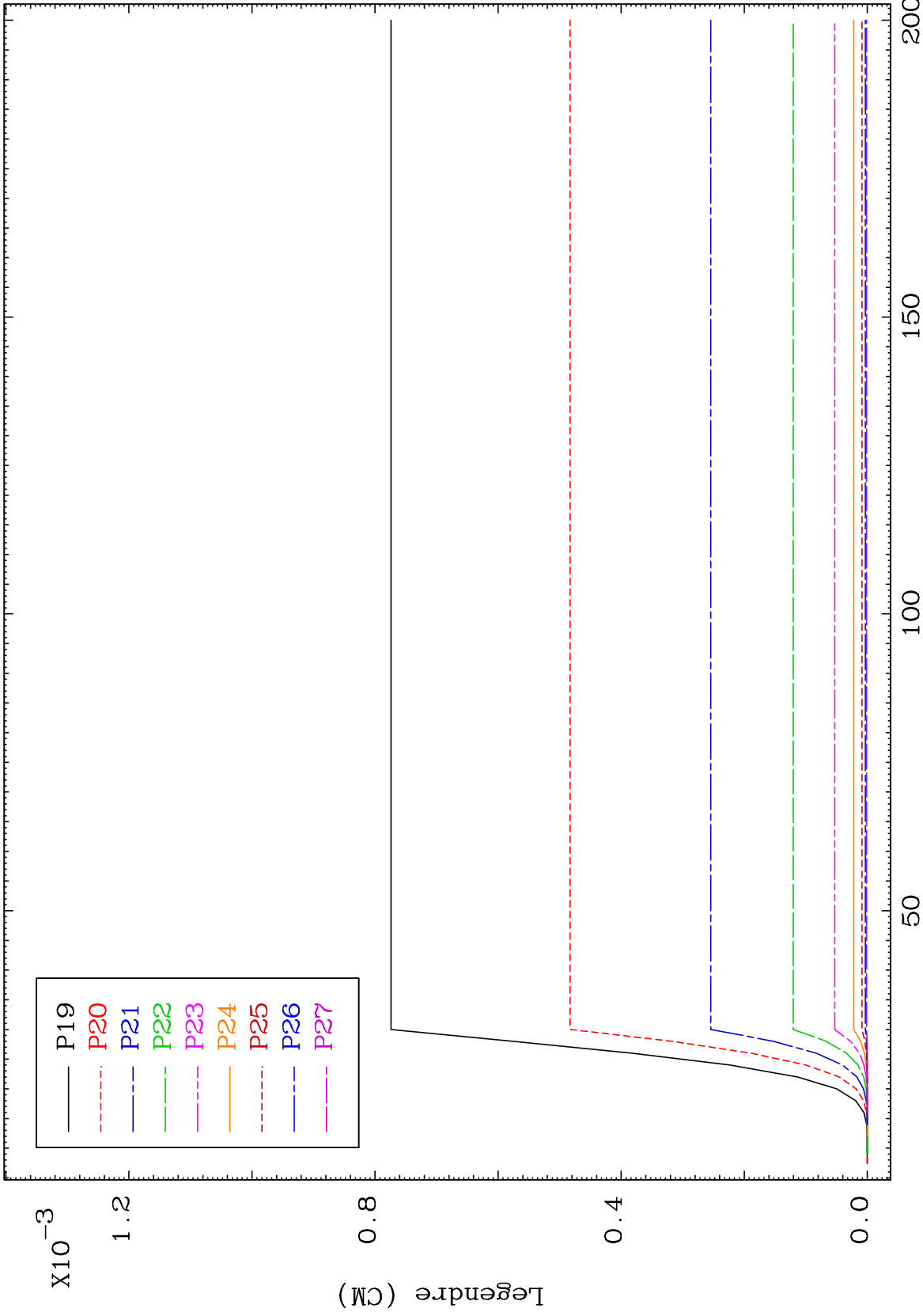
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



44

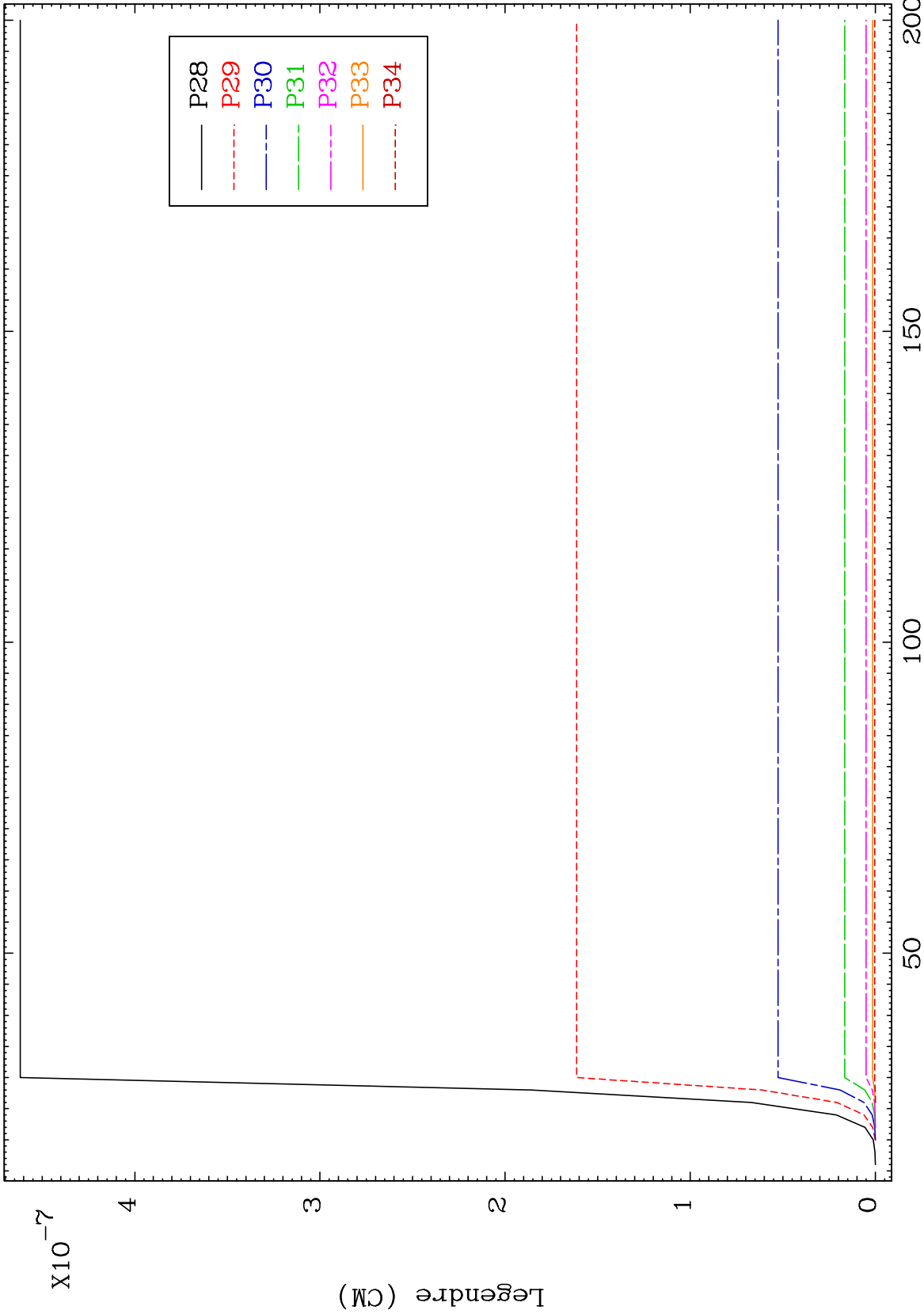
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



45

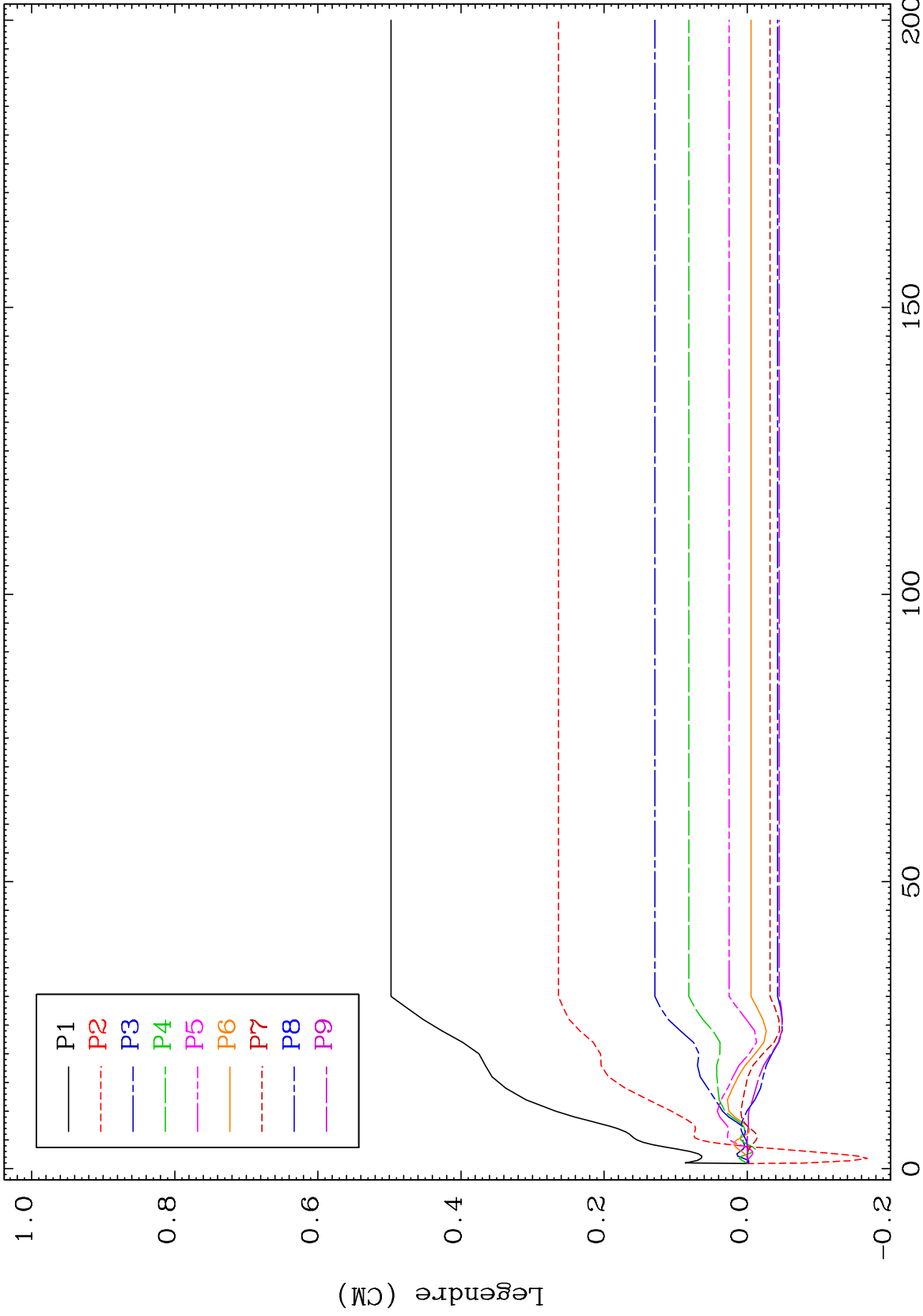
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



46

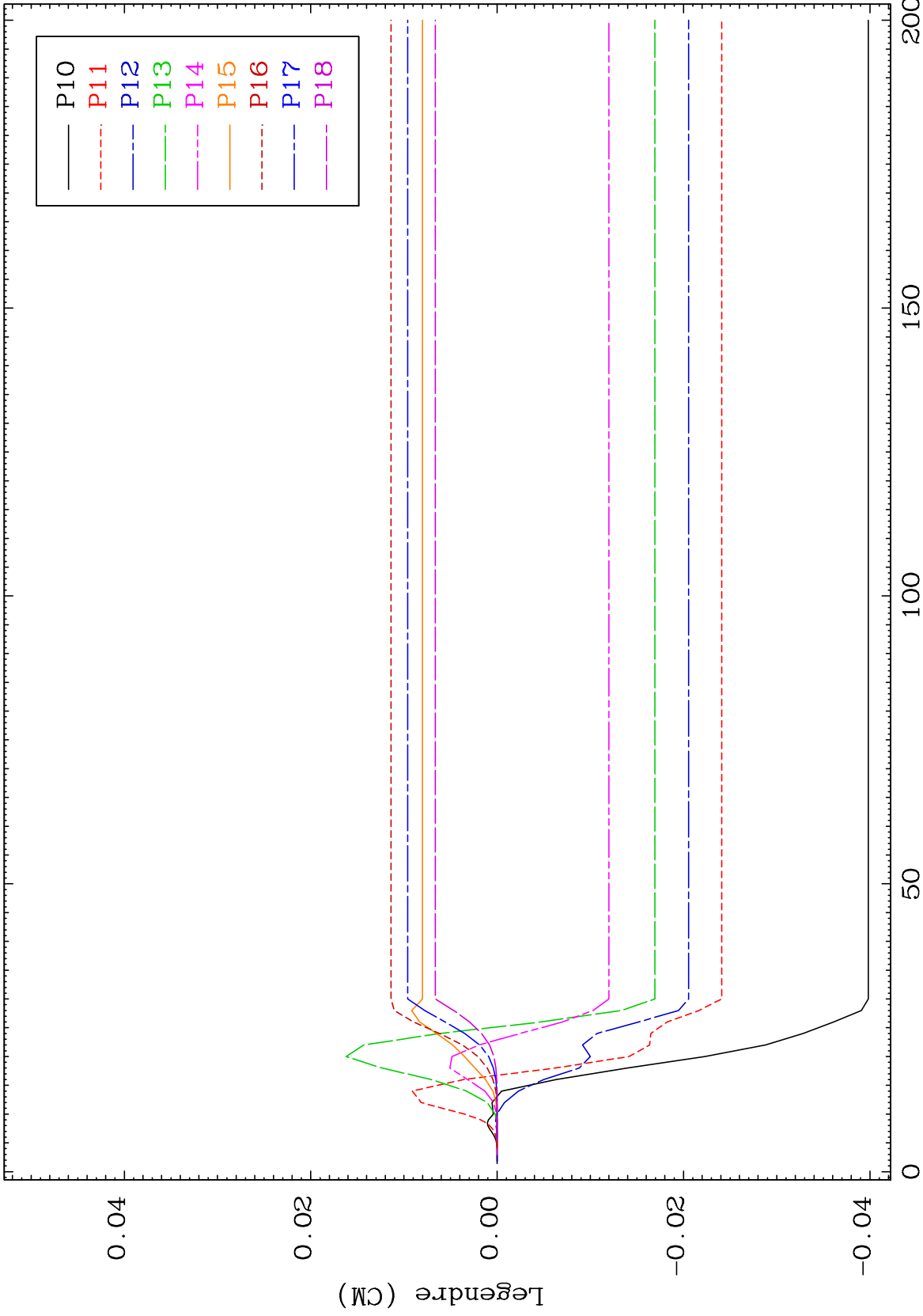
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



47

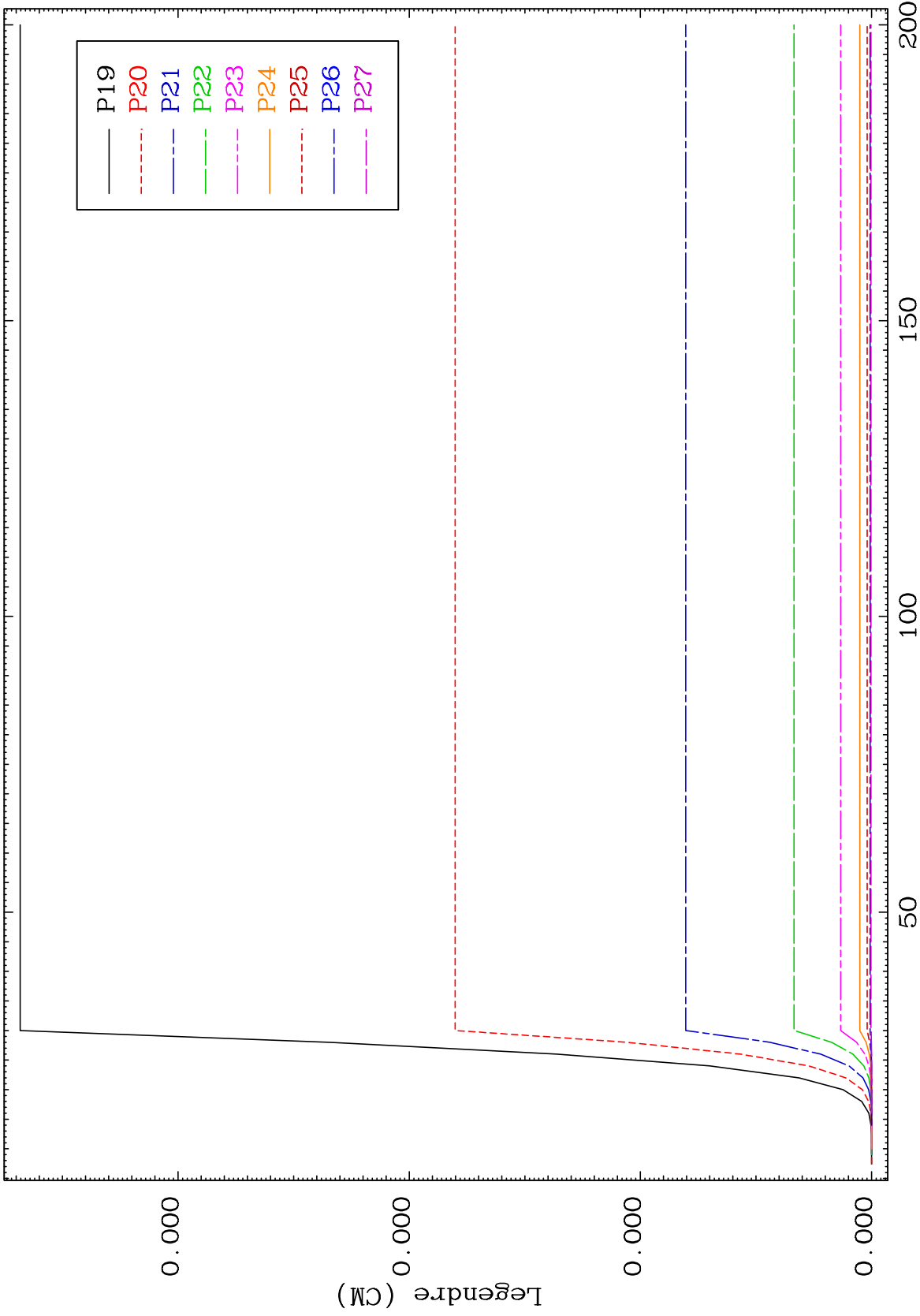
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



48

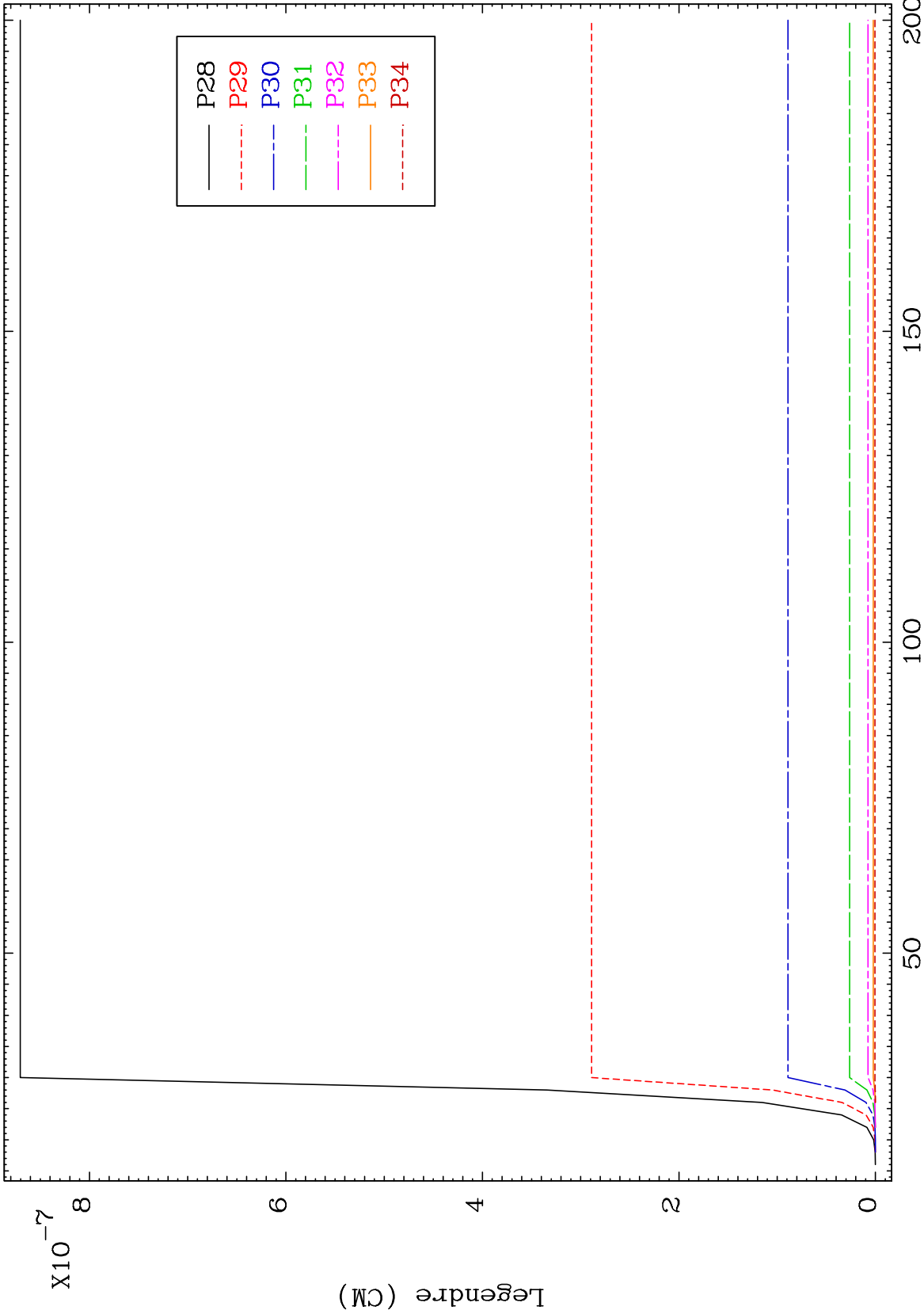
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



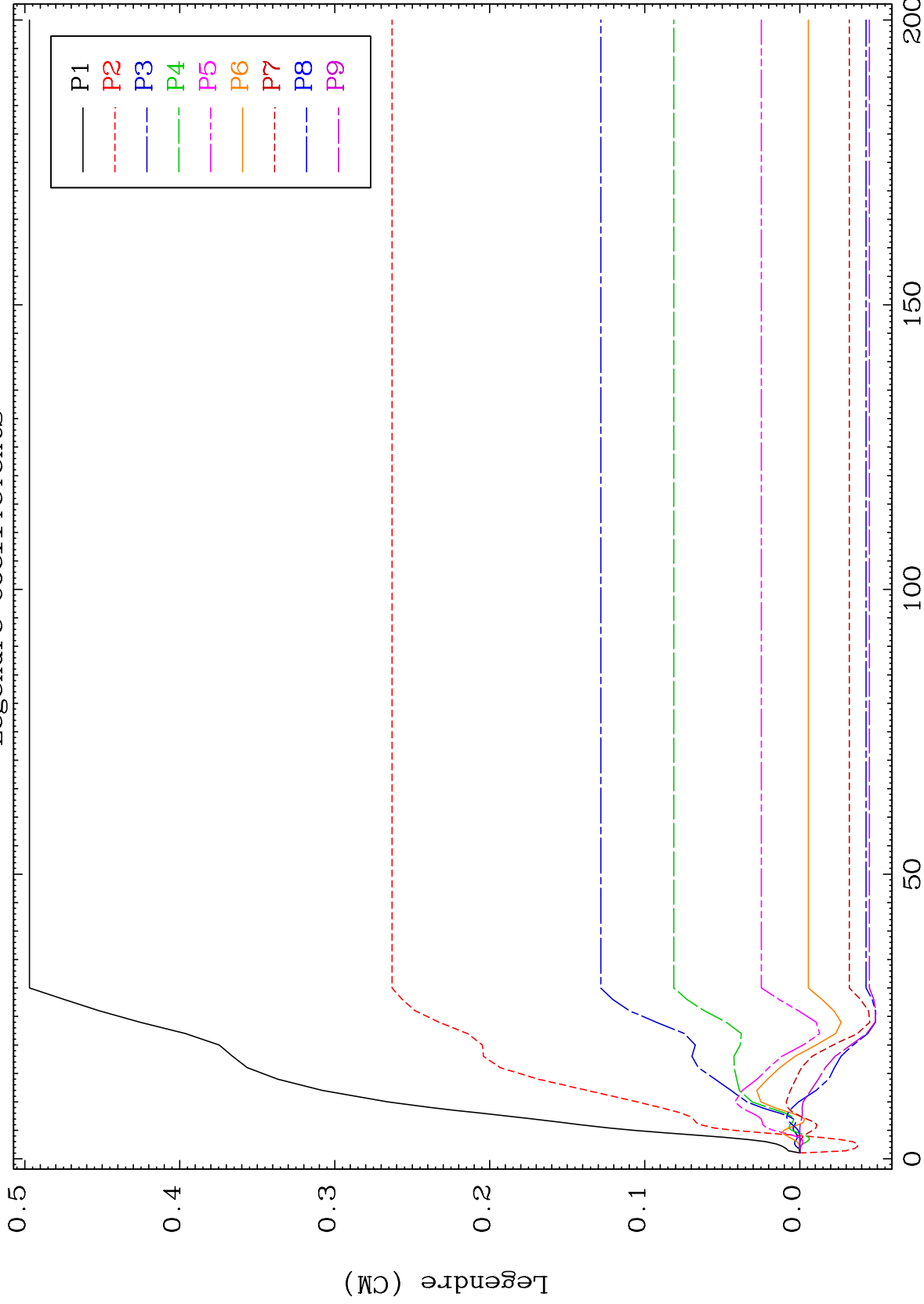
49

41-Nb-95

MAT 4131

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

41-Nb-95



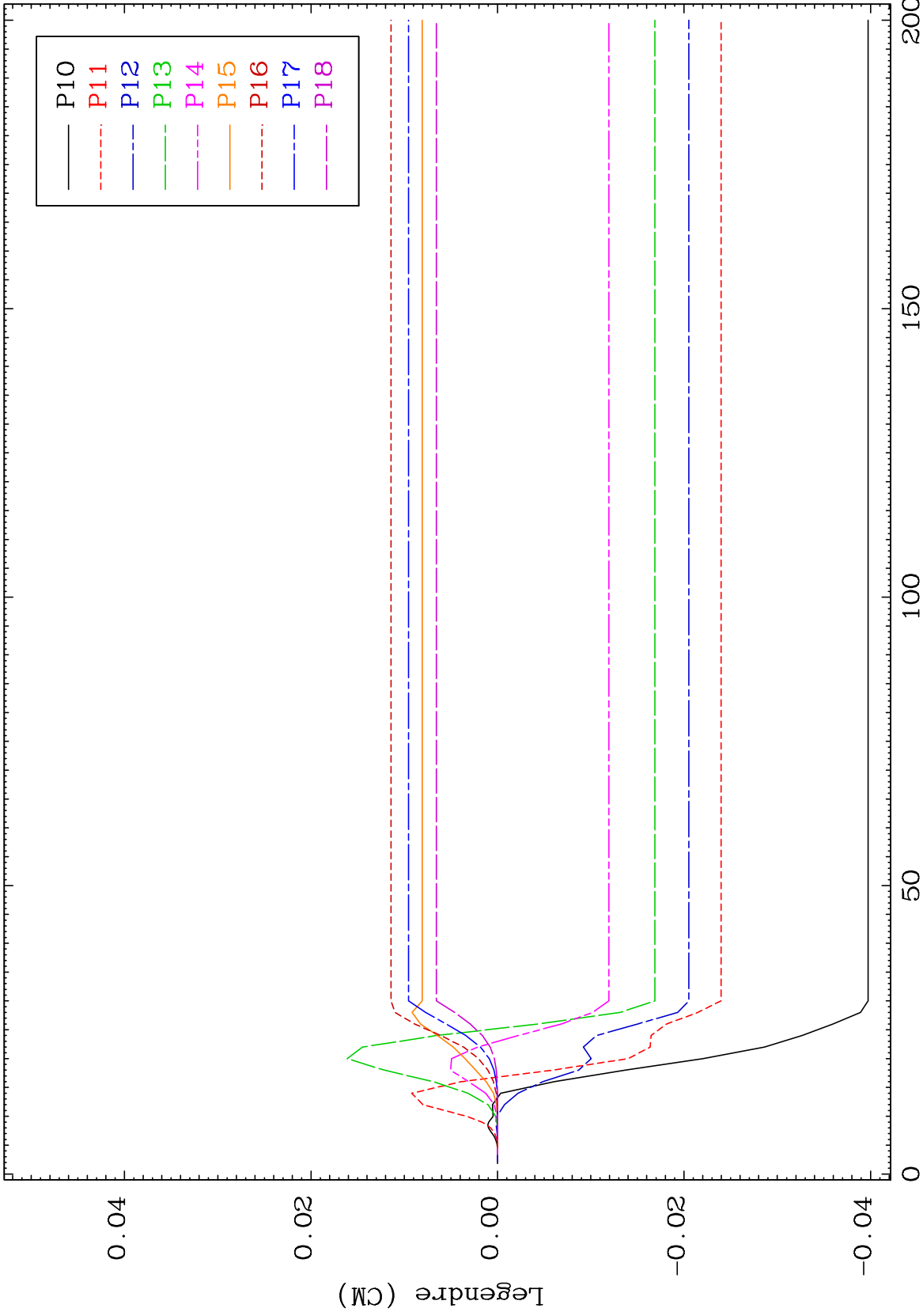
41-Nb-95

Incident Energy (MeV)

MAT 4131

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

41-Nb-95



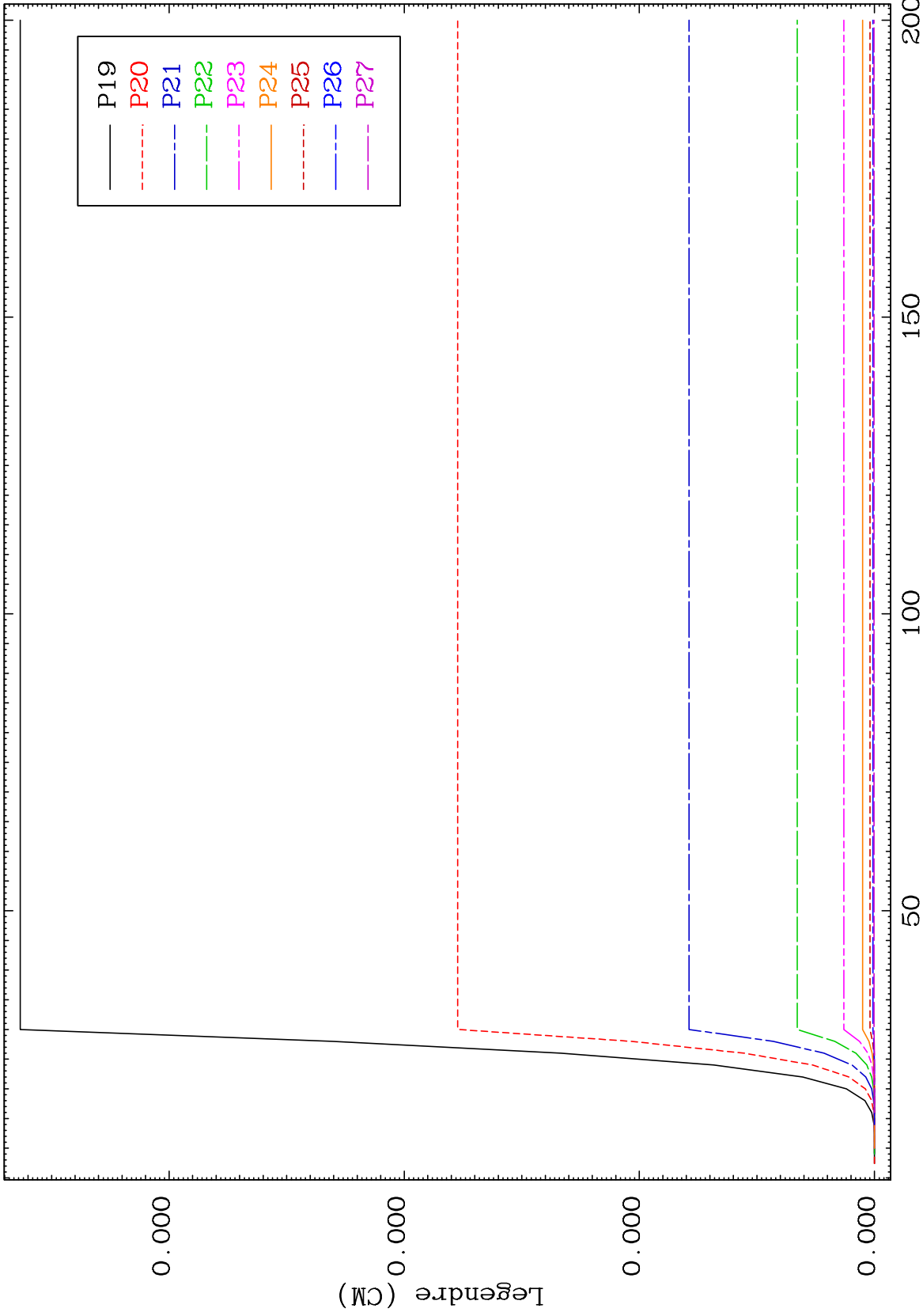
51

41-Nb-95

MAT 4131

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

41-Nb-95



52

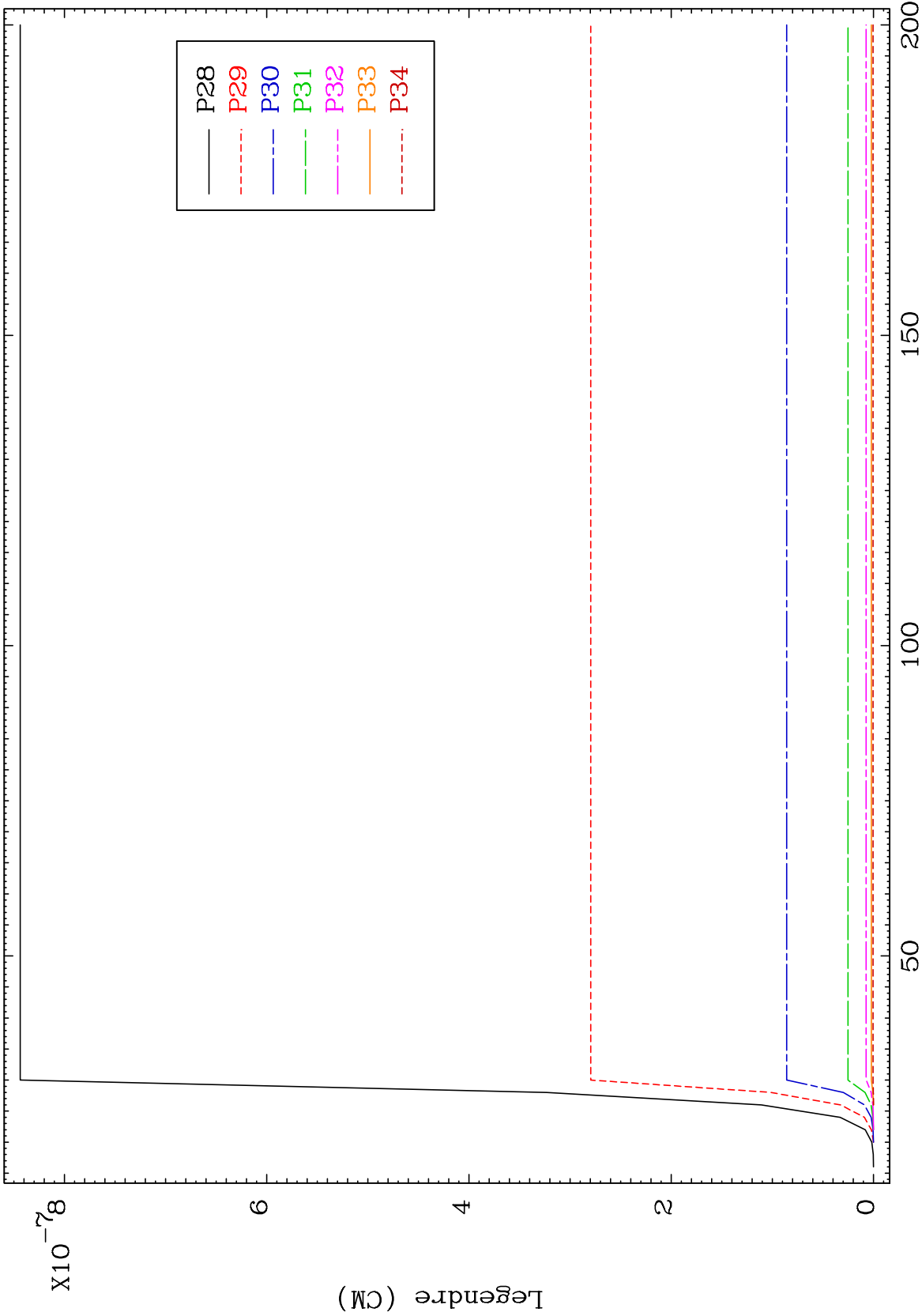
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



53

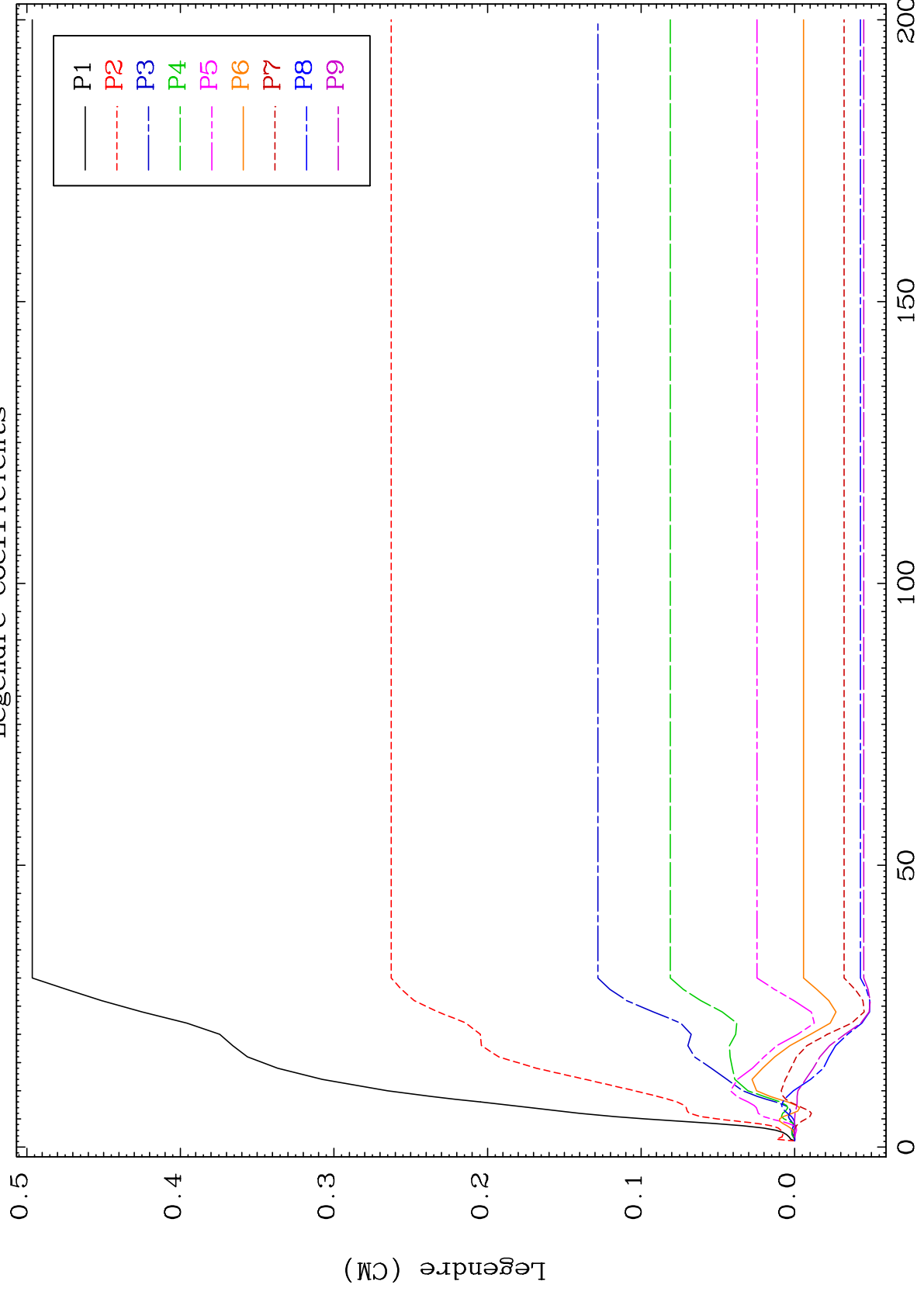
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



41-Nb-95

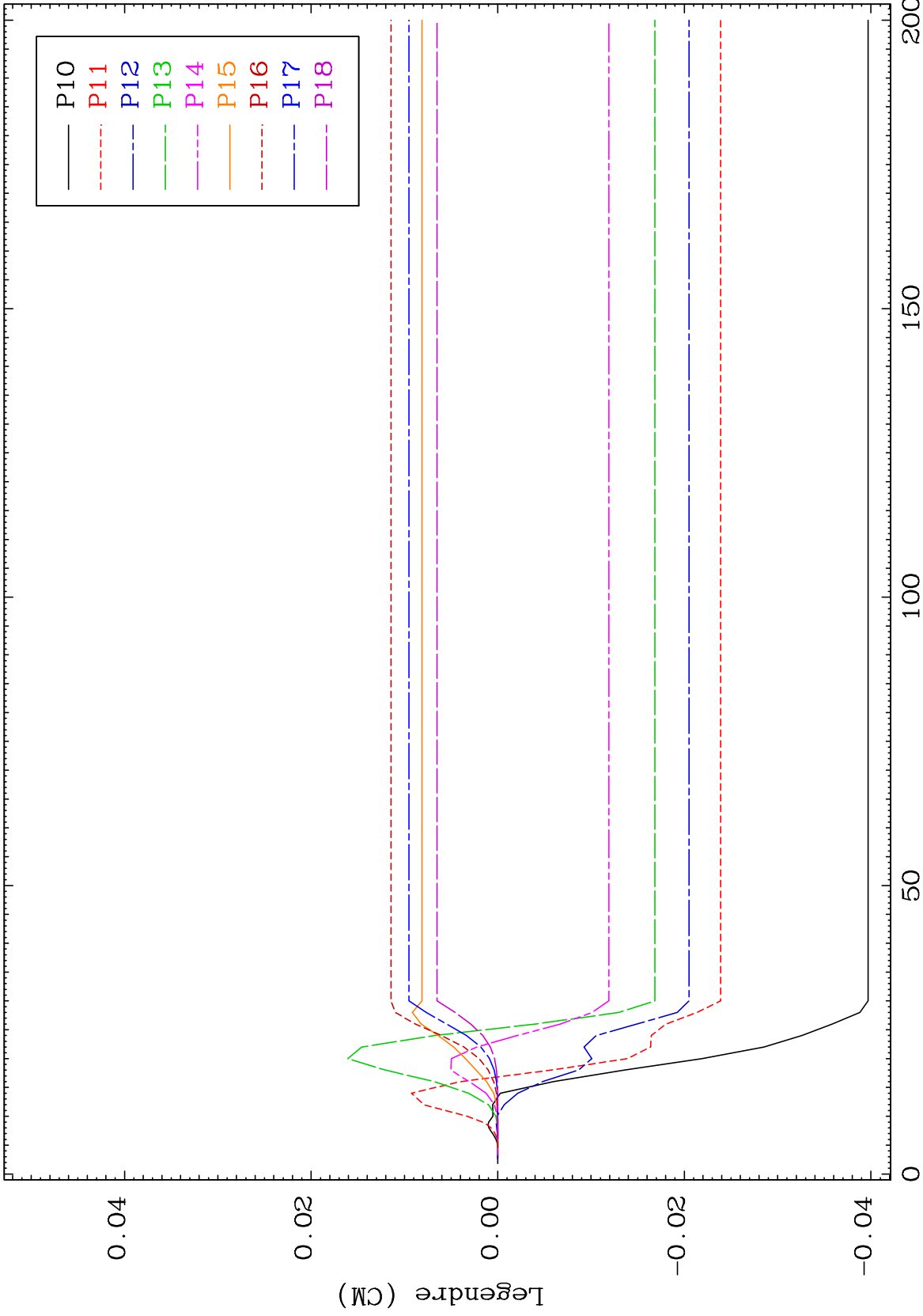
Incident Energy (MeV)

54

MAT 4131

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

41-Nb-95



55

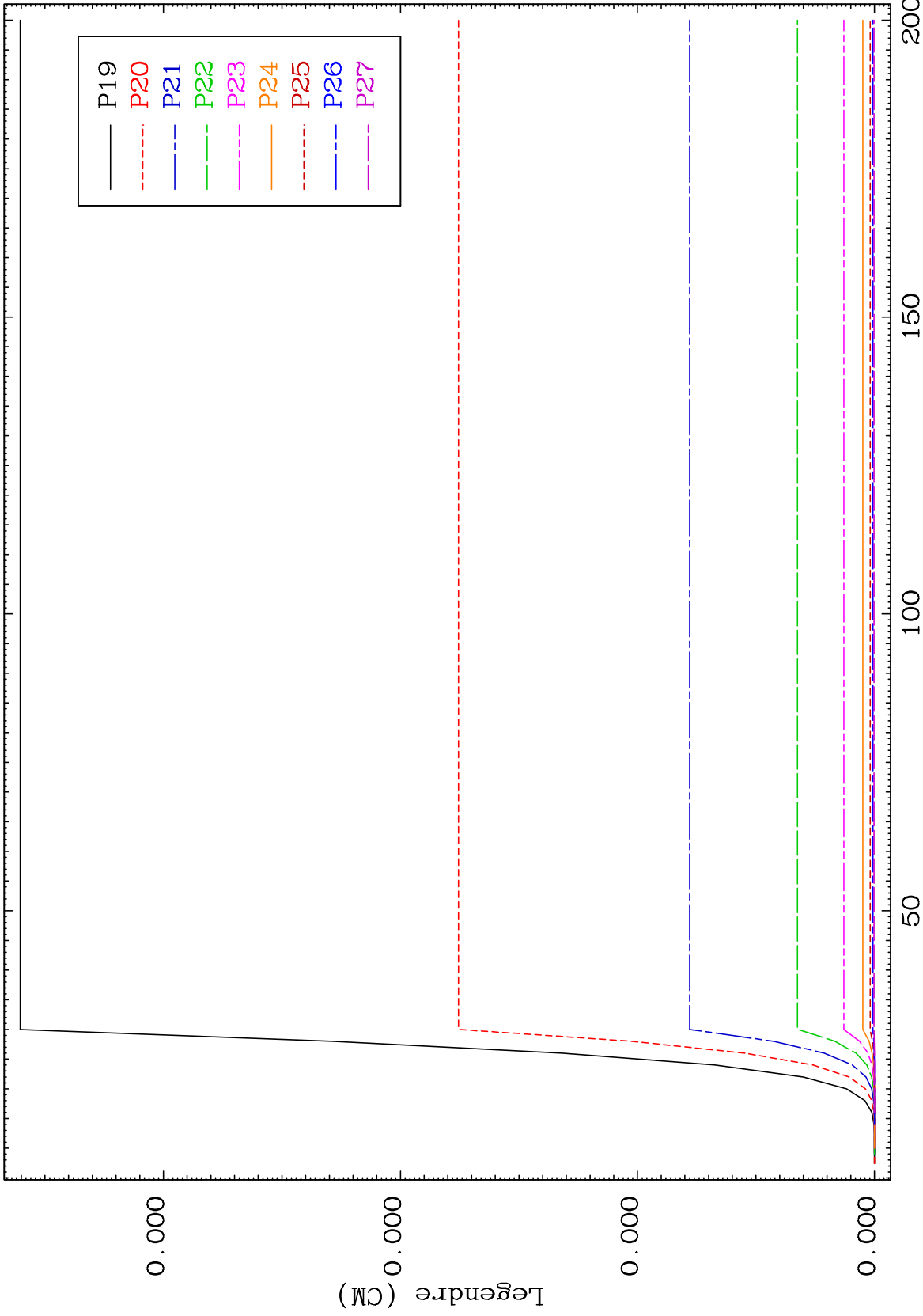
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



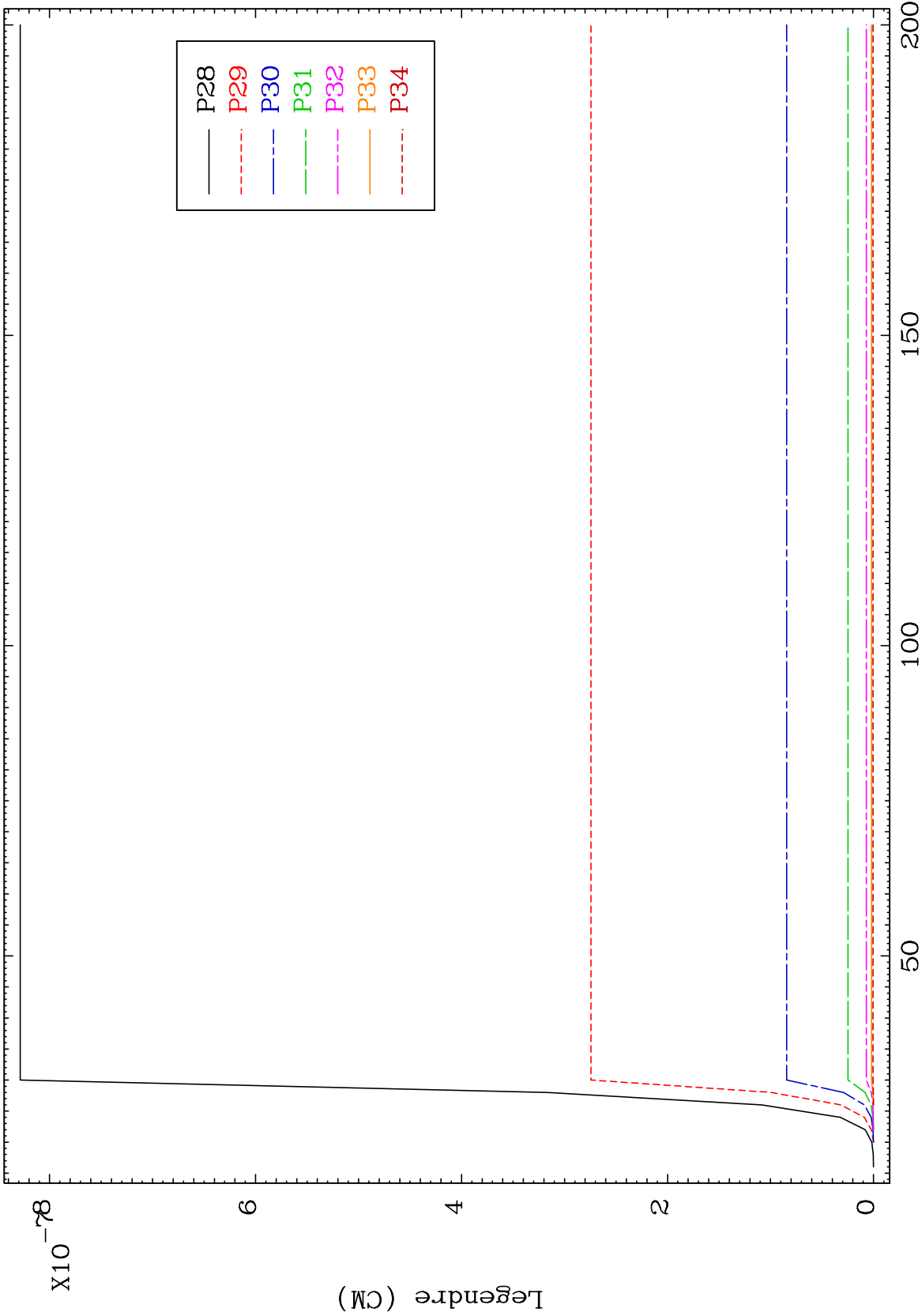
56

41-Nb-95

MAT 4131

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

41-Nb-95



57

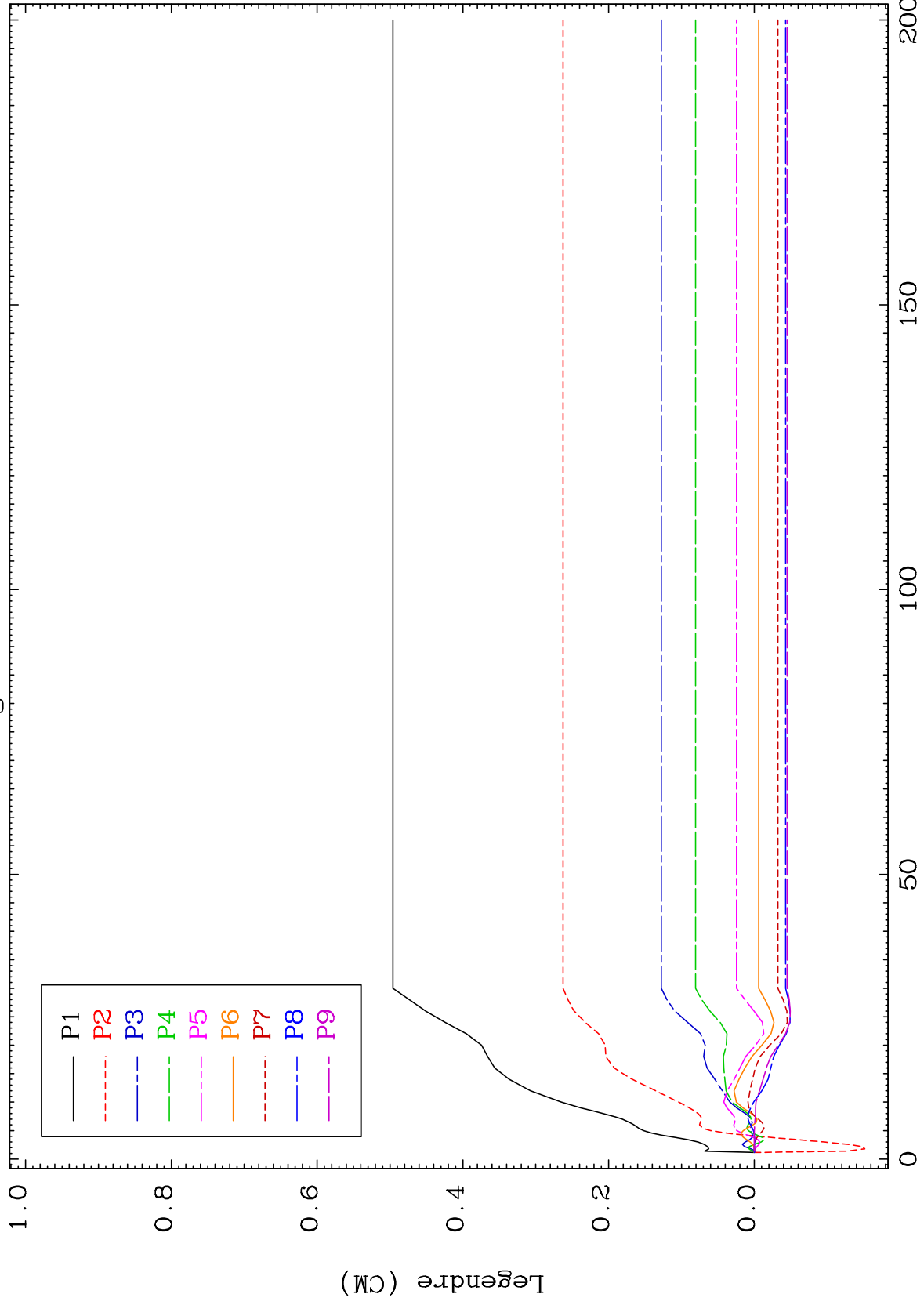
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



58

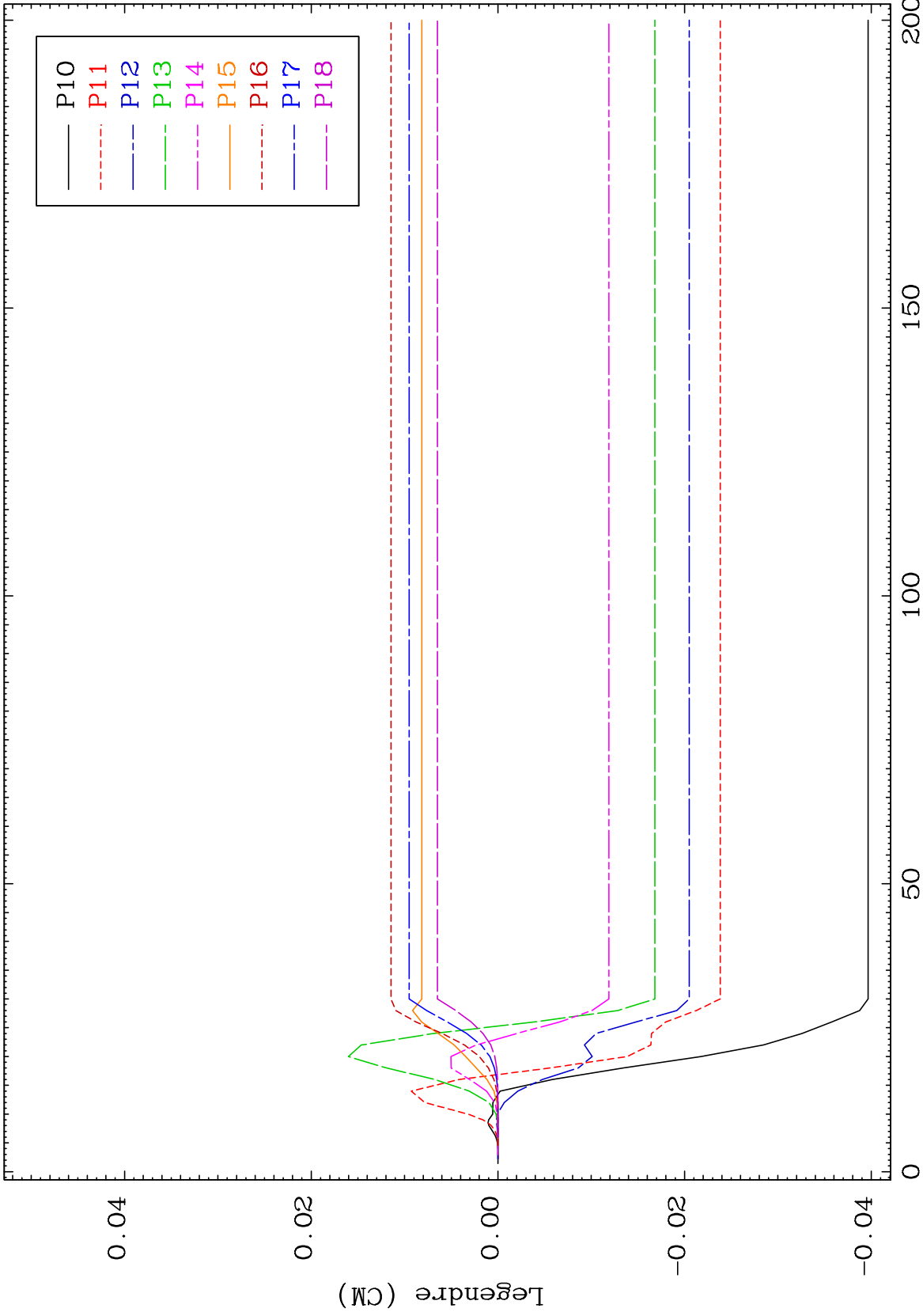
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



59

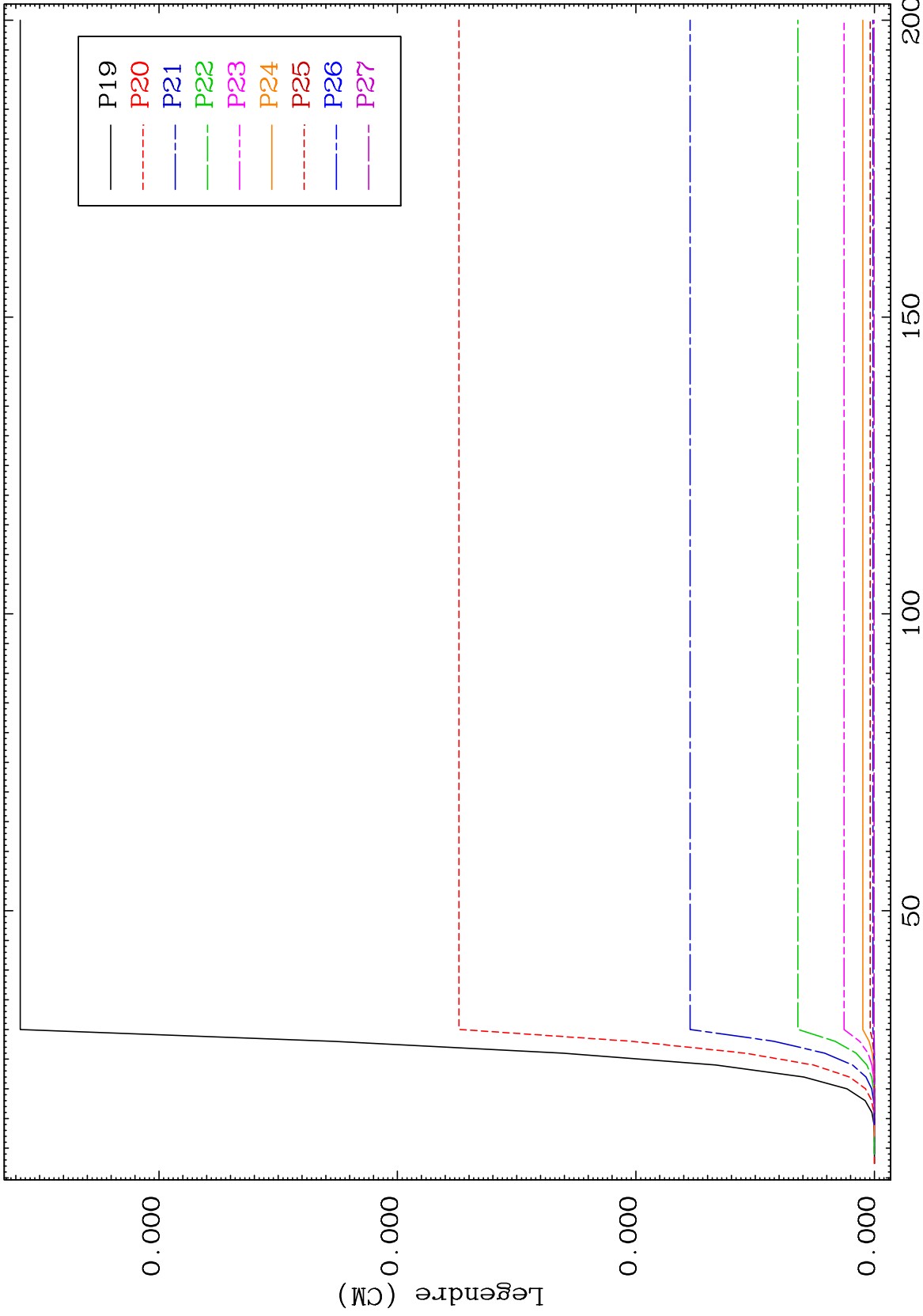
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



60

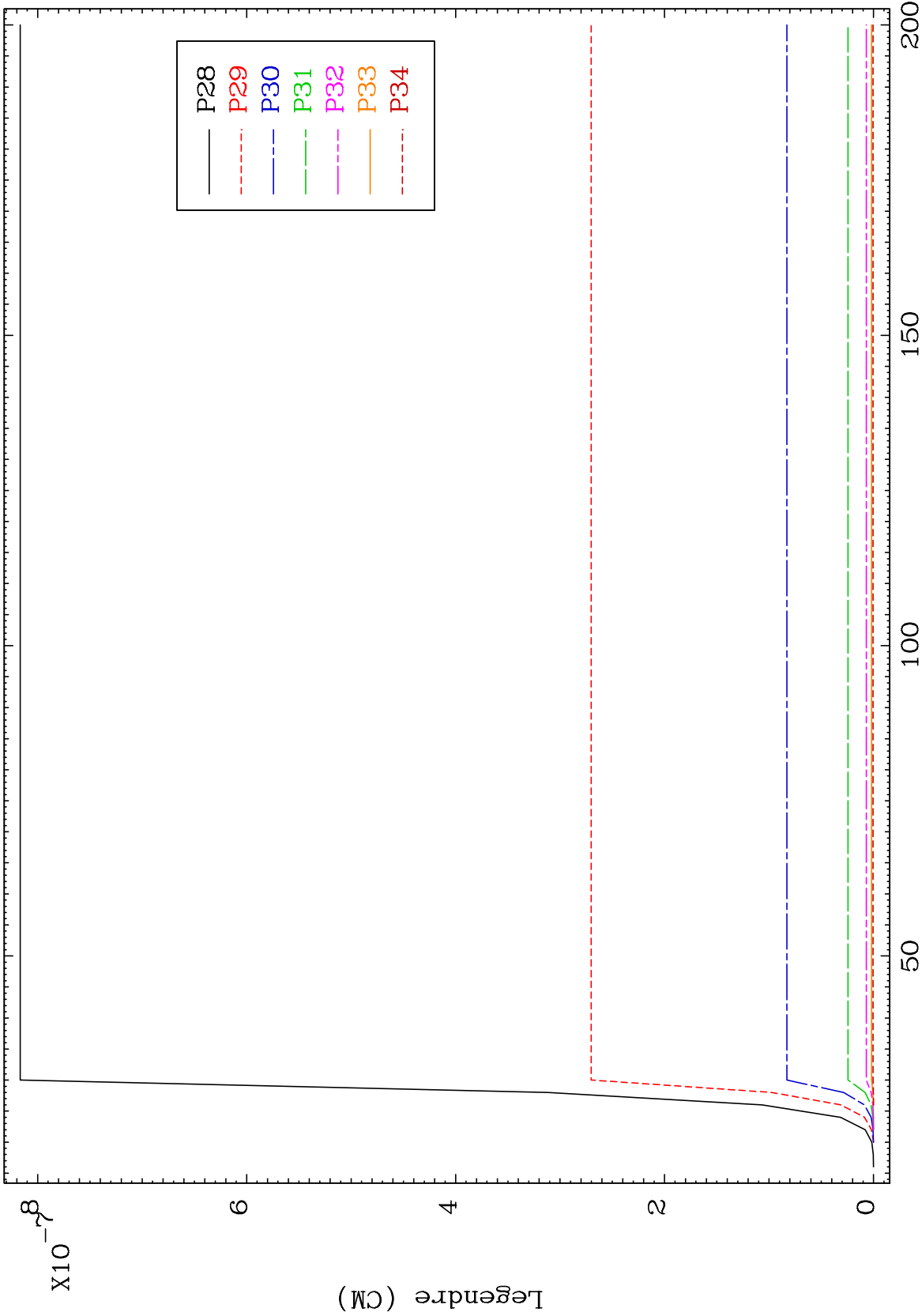
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



61

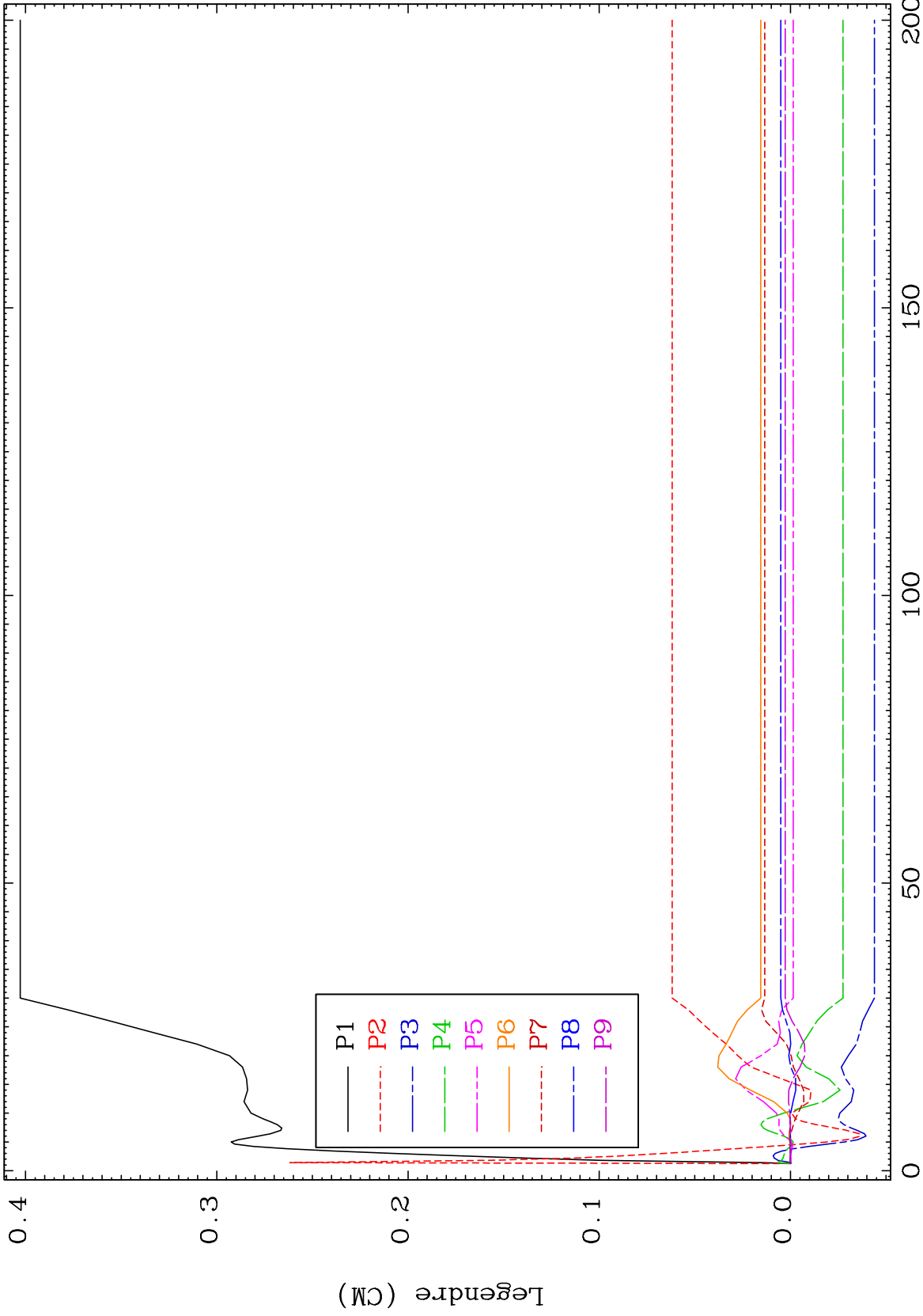
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



62

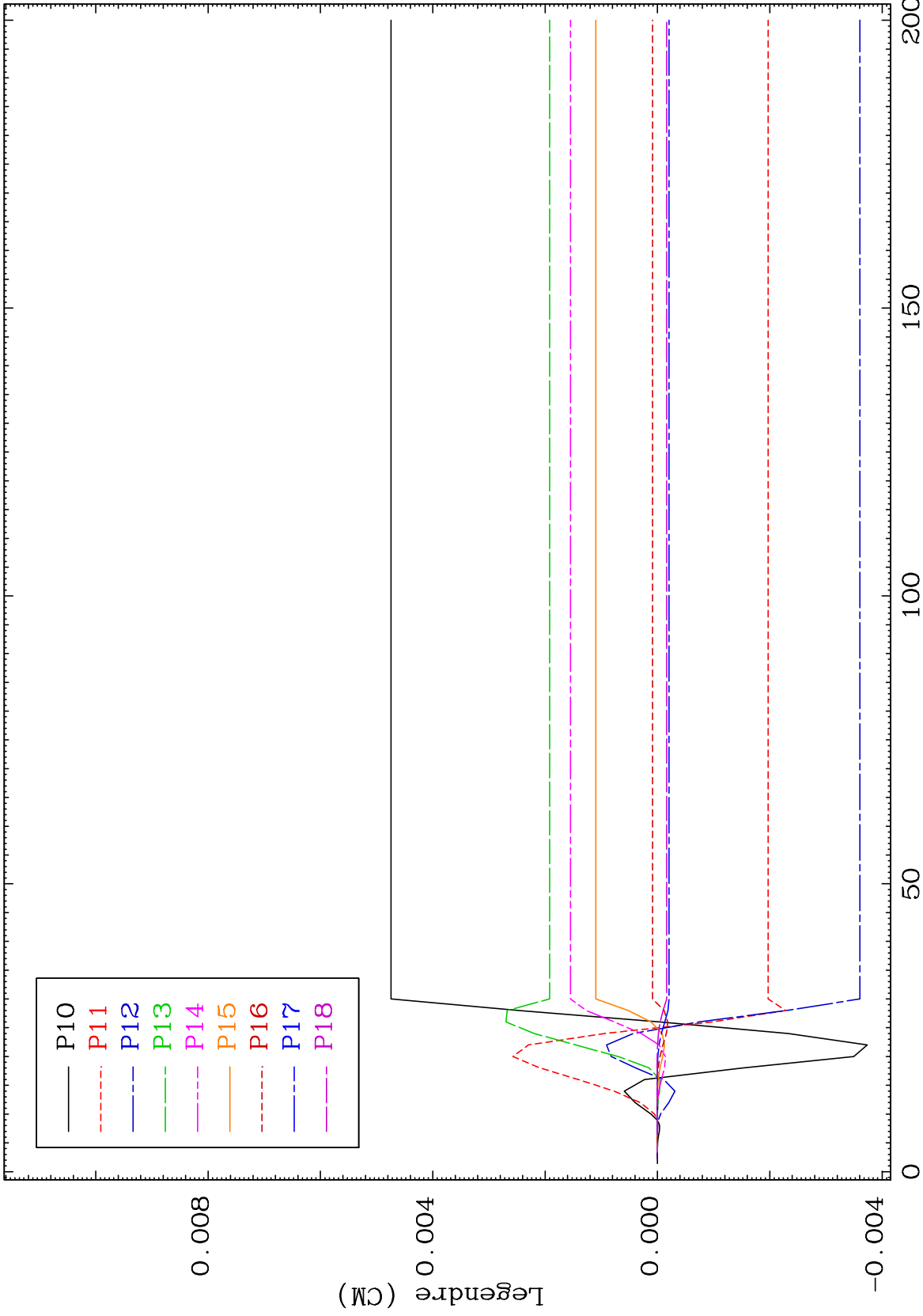
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



63

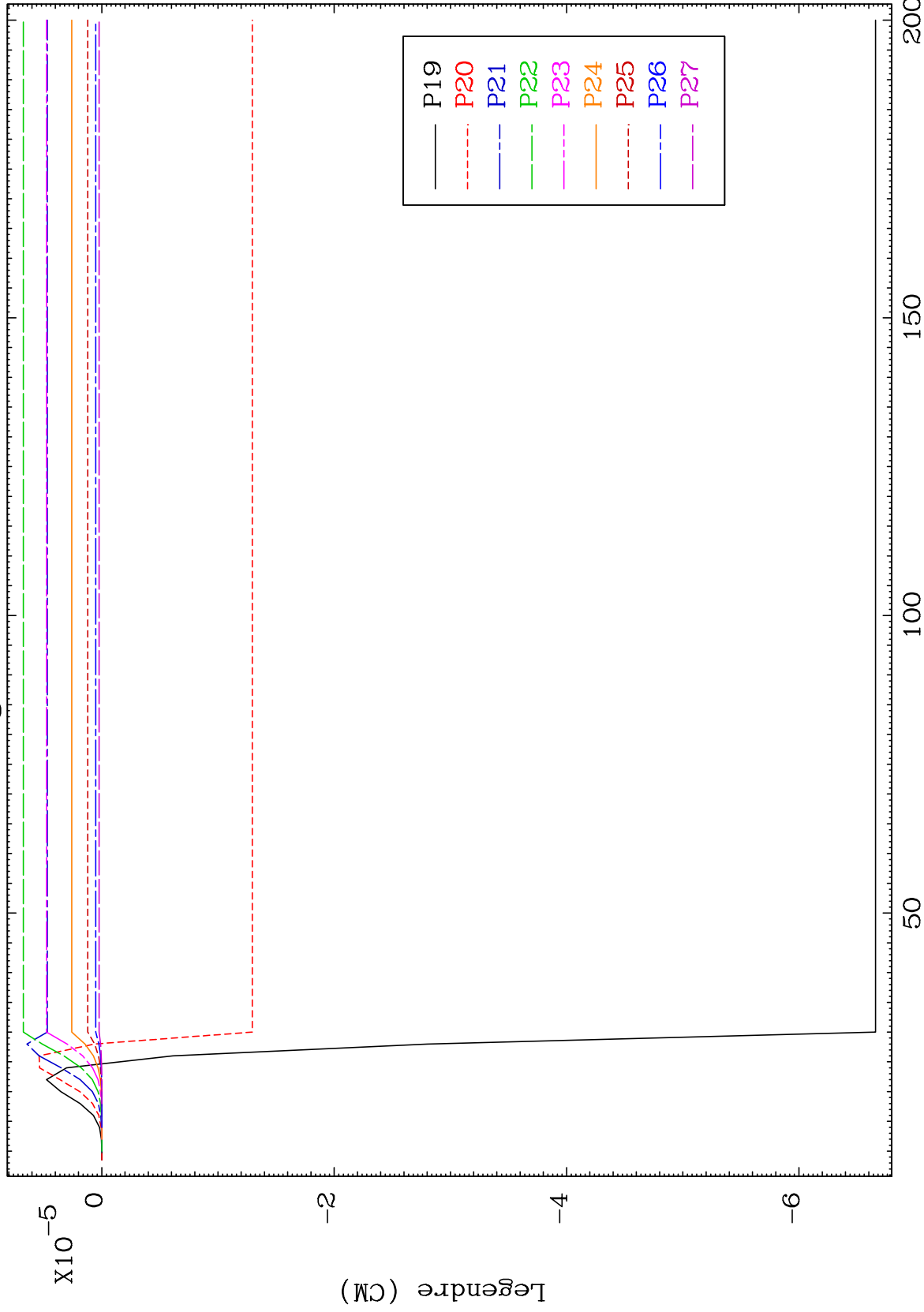
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



64

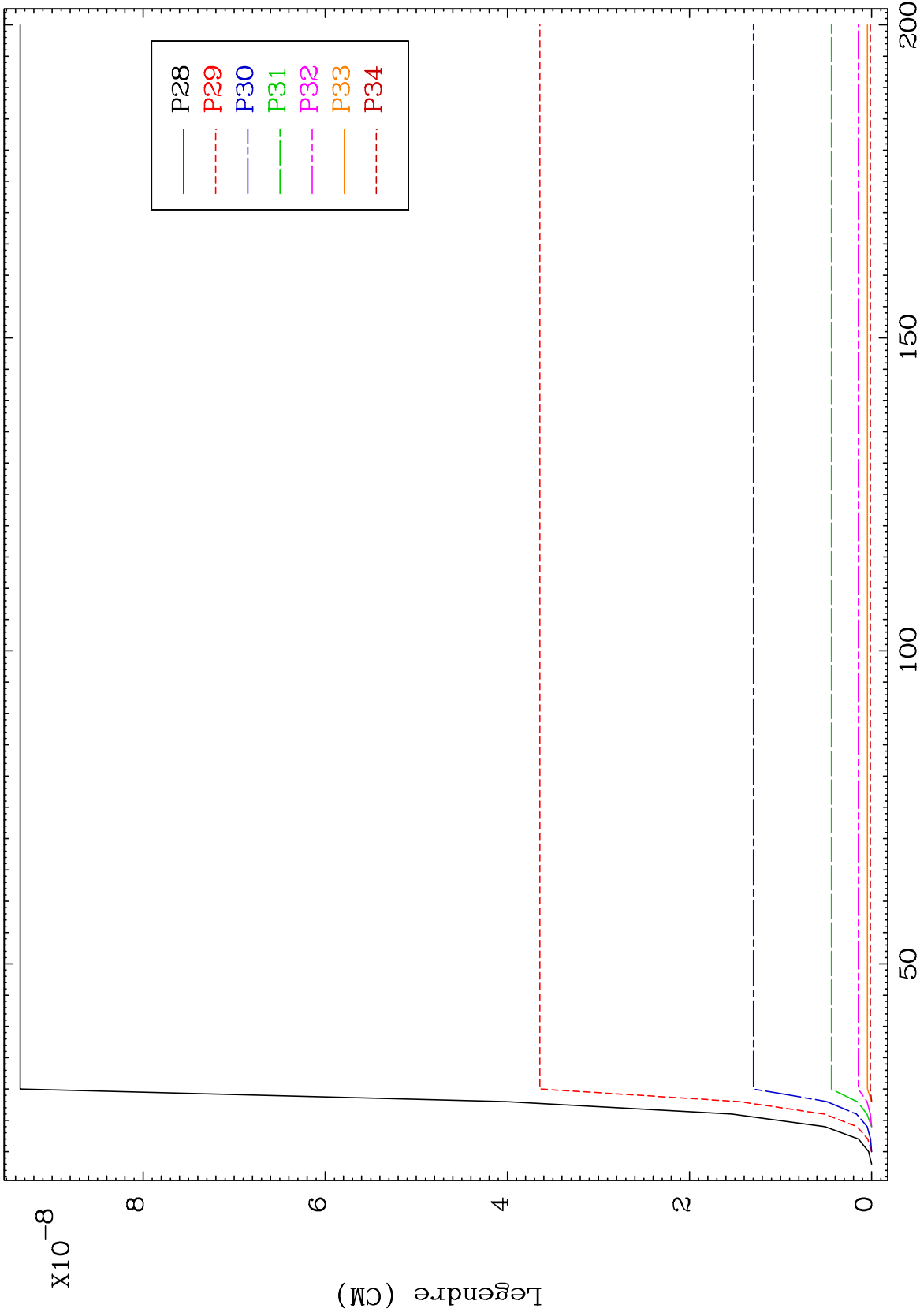
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



65

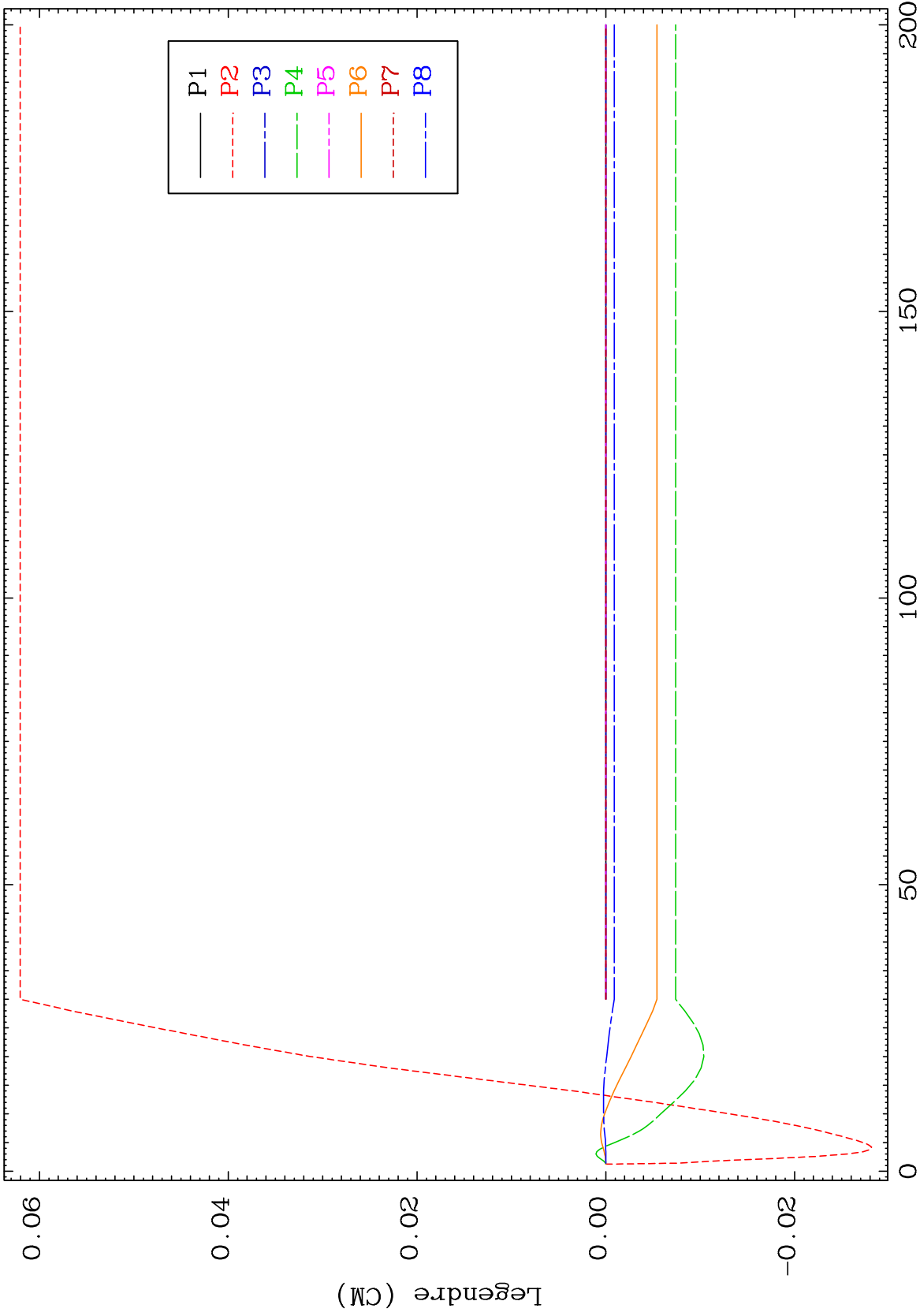
41-Nb-95

200

MAT 4131

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

41-Nb-95



66

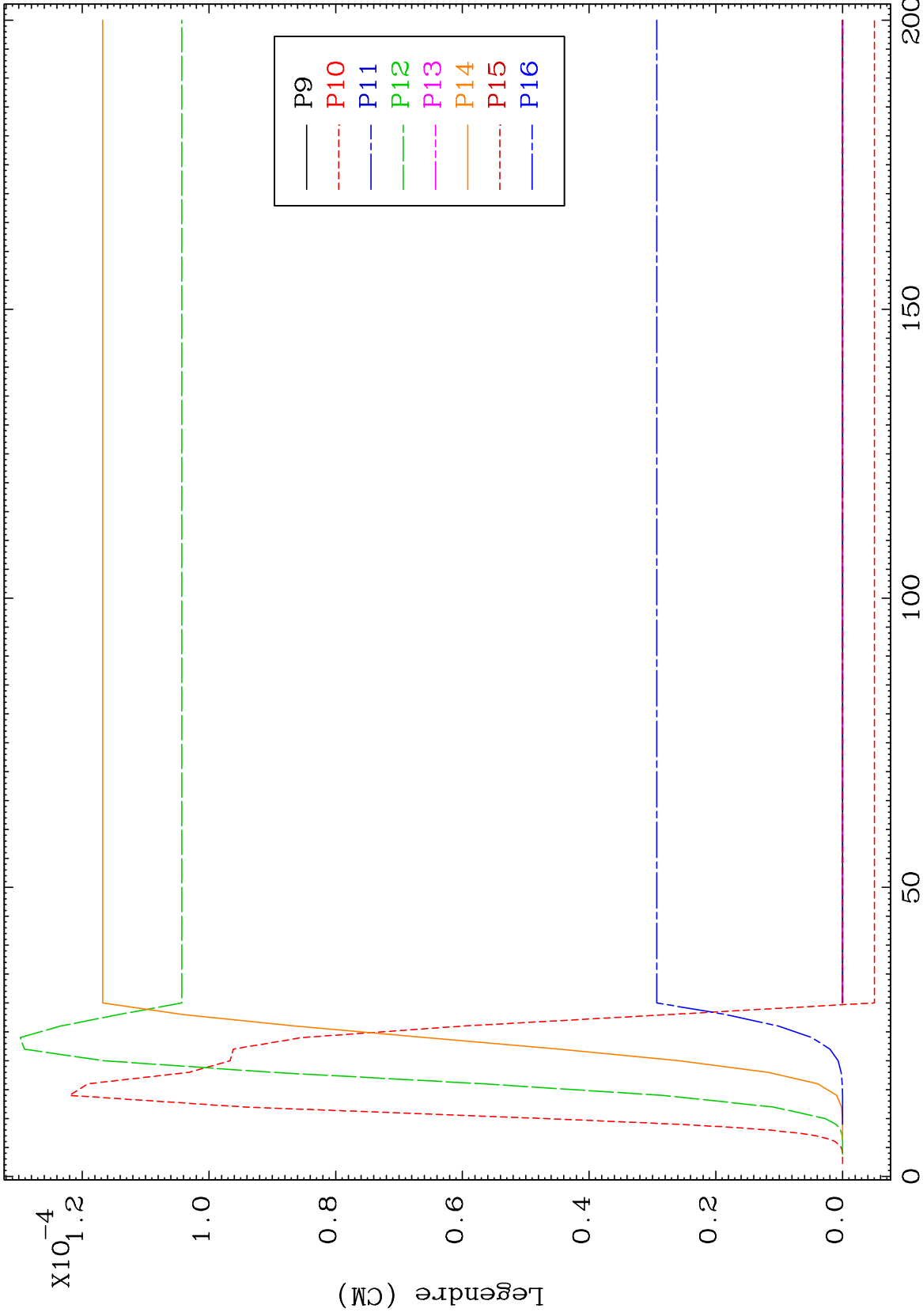
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



67

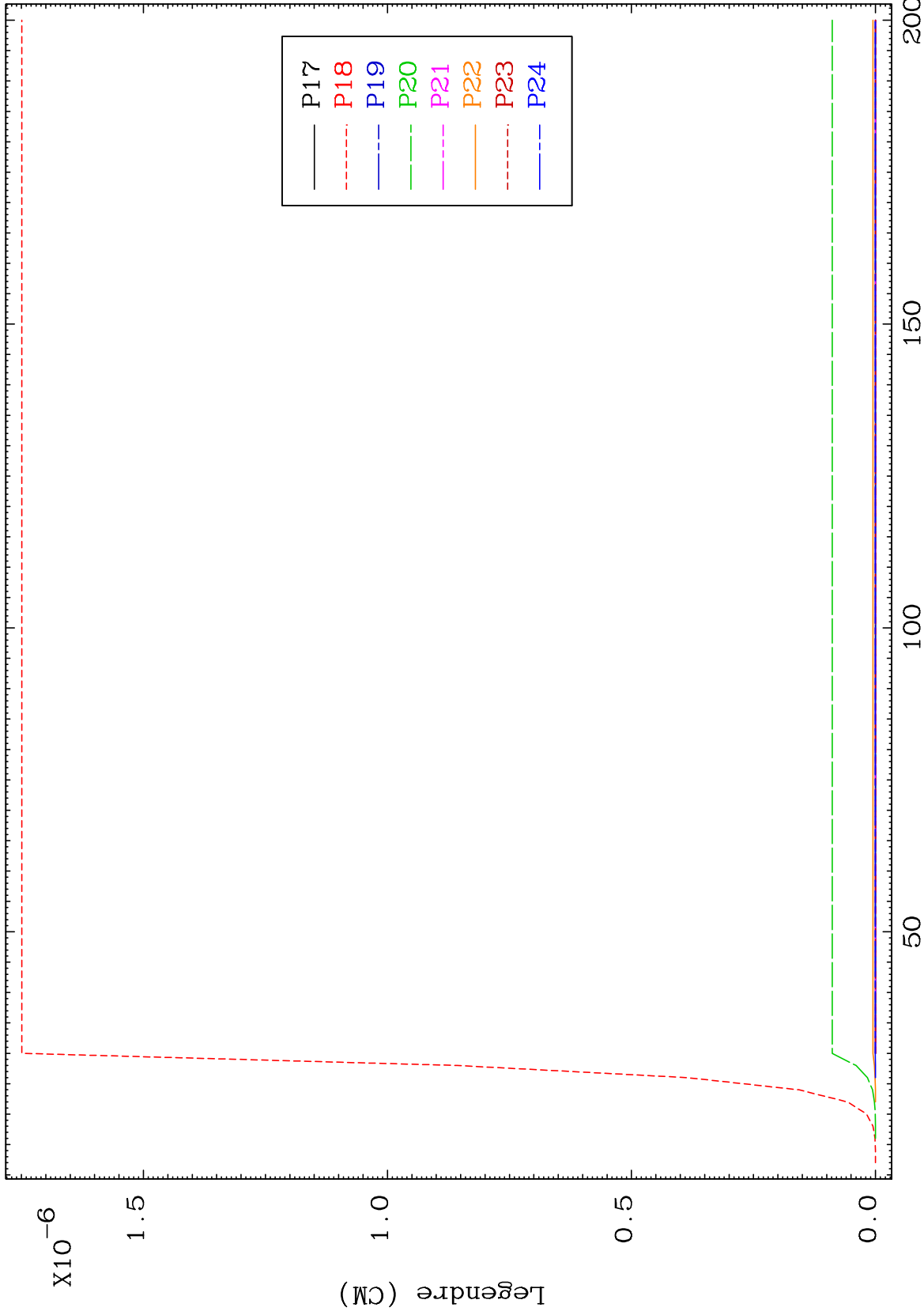
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



68

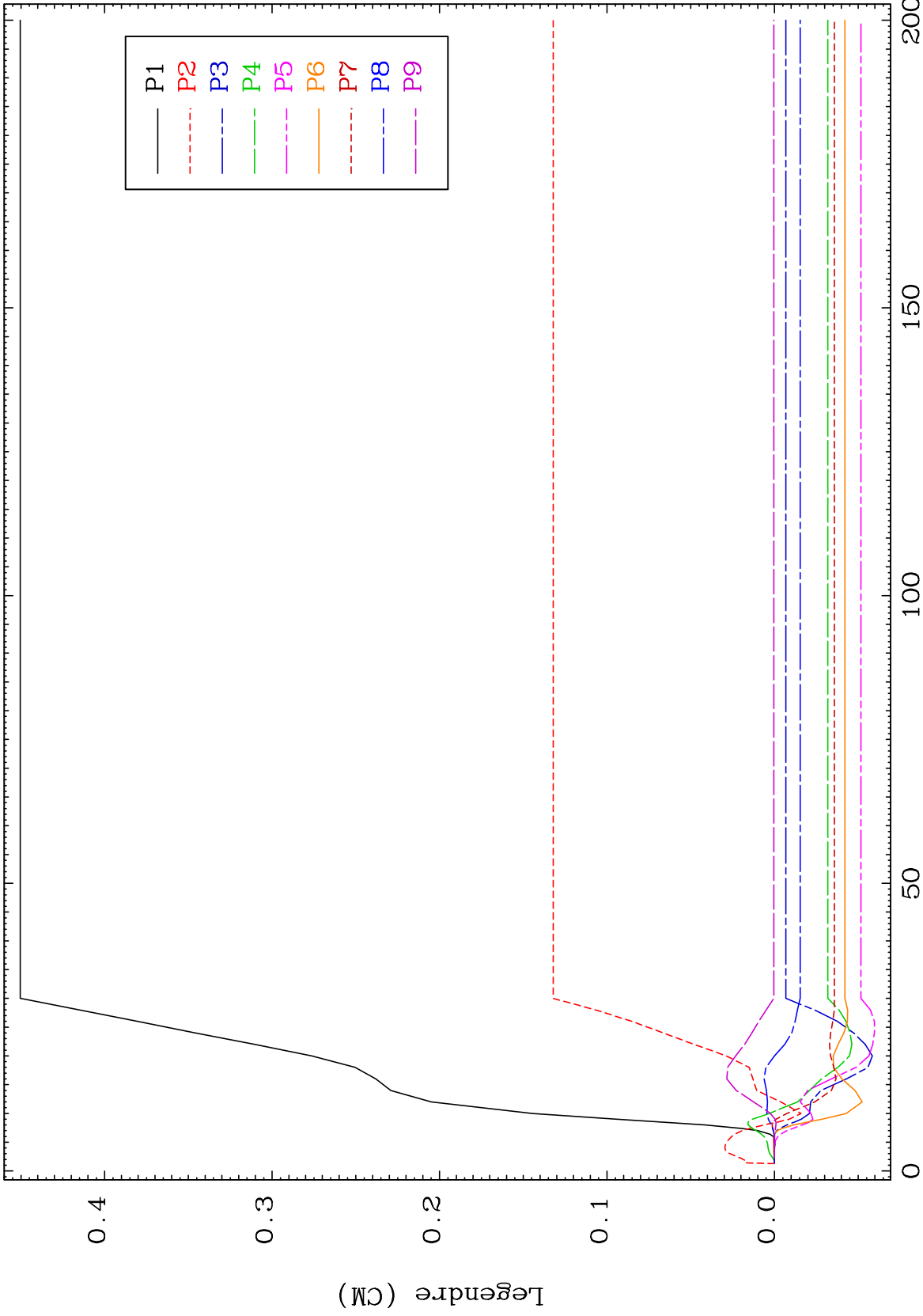
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



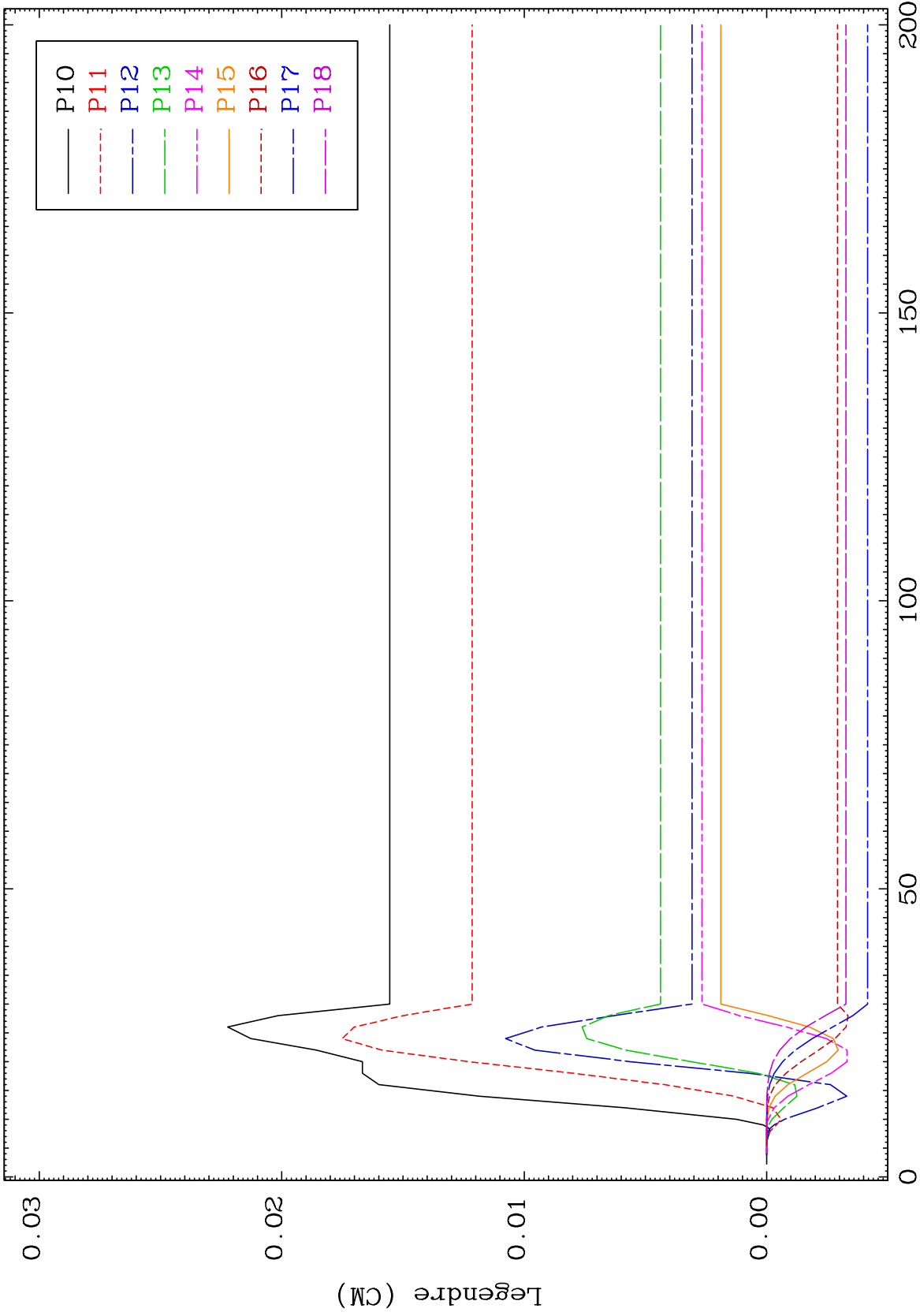
69

41-Nb-95

MAT 4131

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

41-Nb-95



70

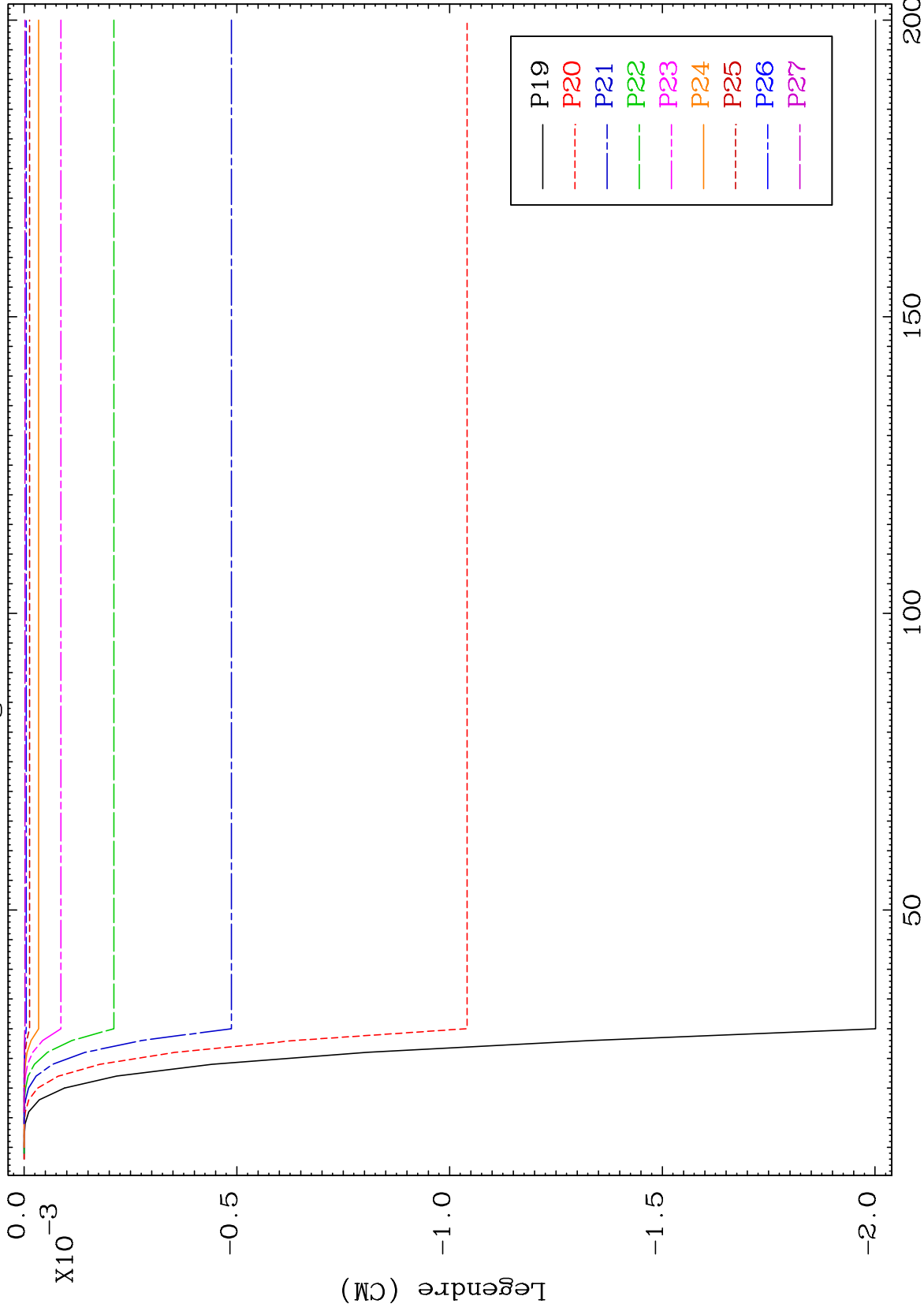
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



41-Nb-95

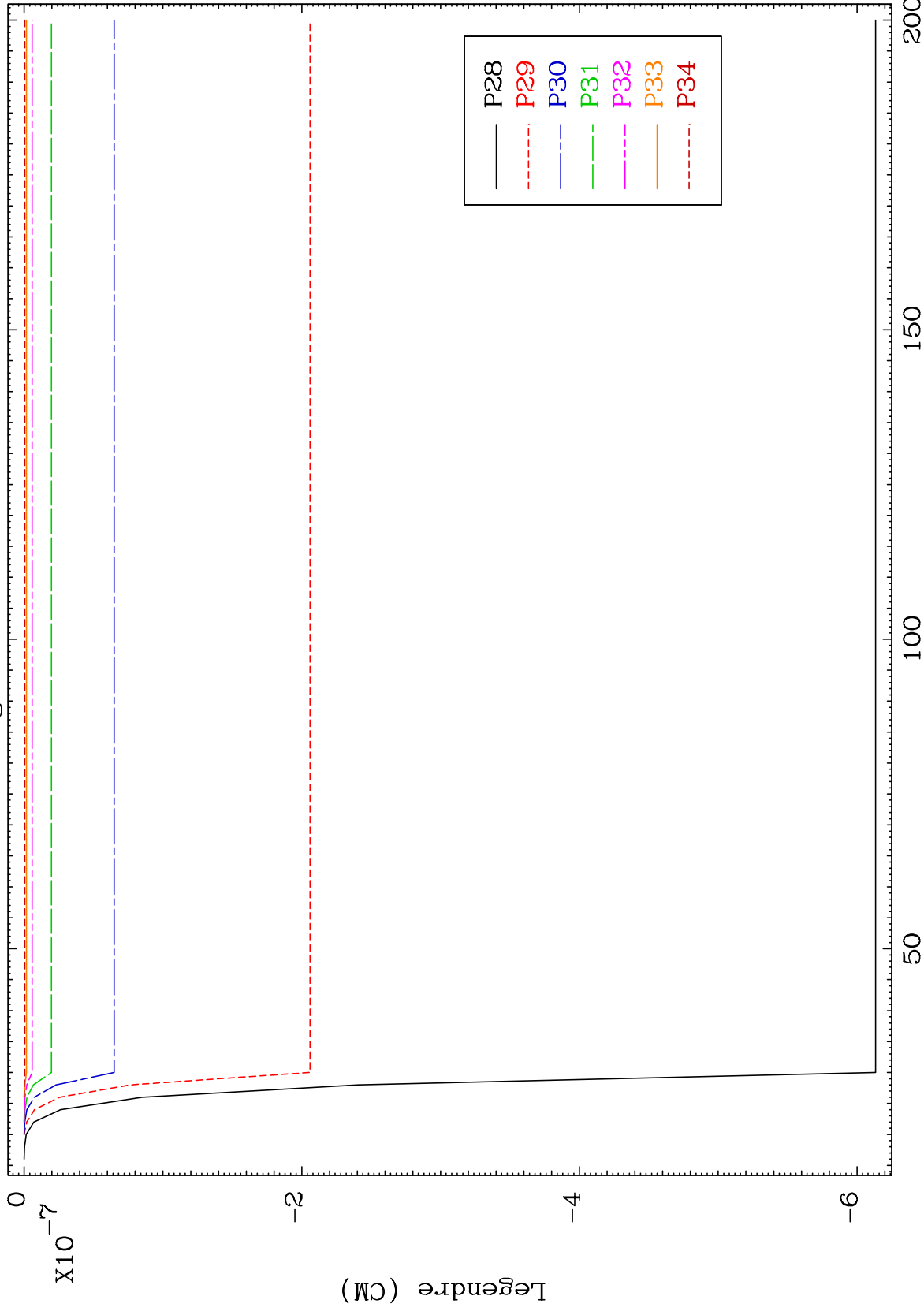
Incident Energy (MeV)

71

MAT 4131

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

41-Nb-95



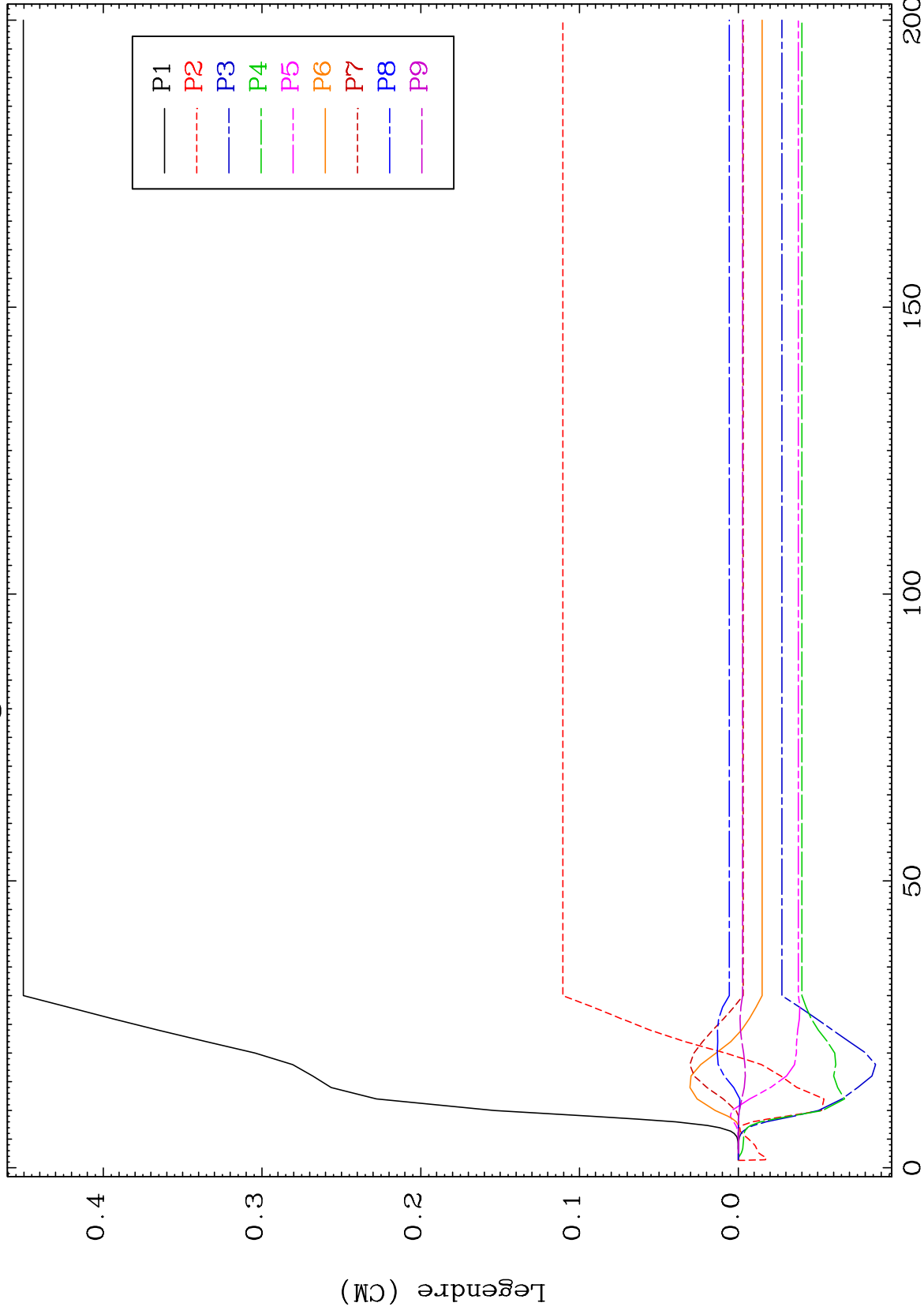
41-Nb-95

72

MAT 4131

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

41-Nb-95

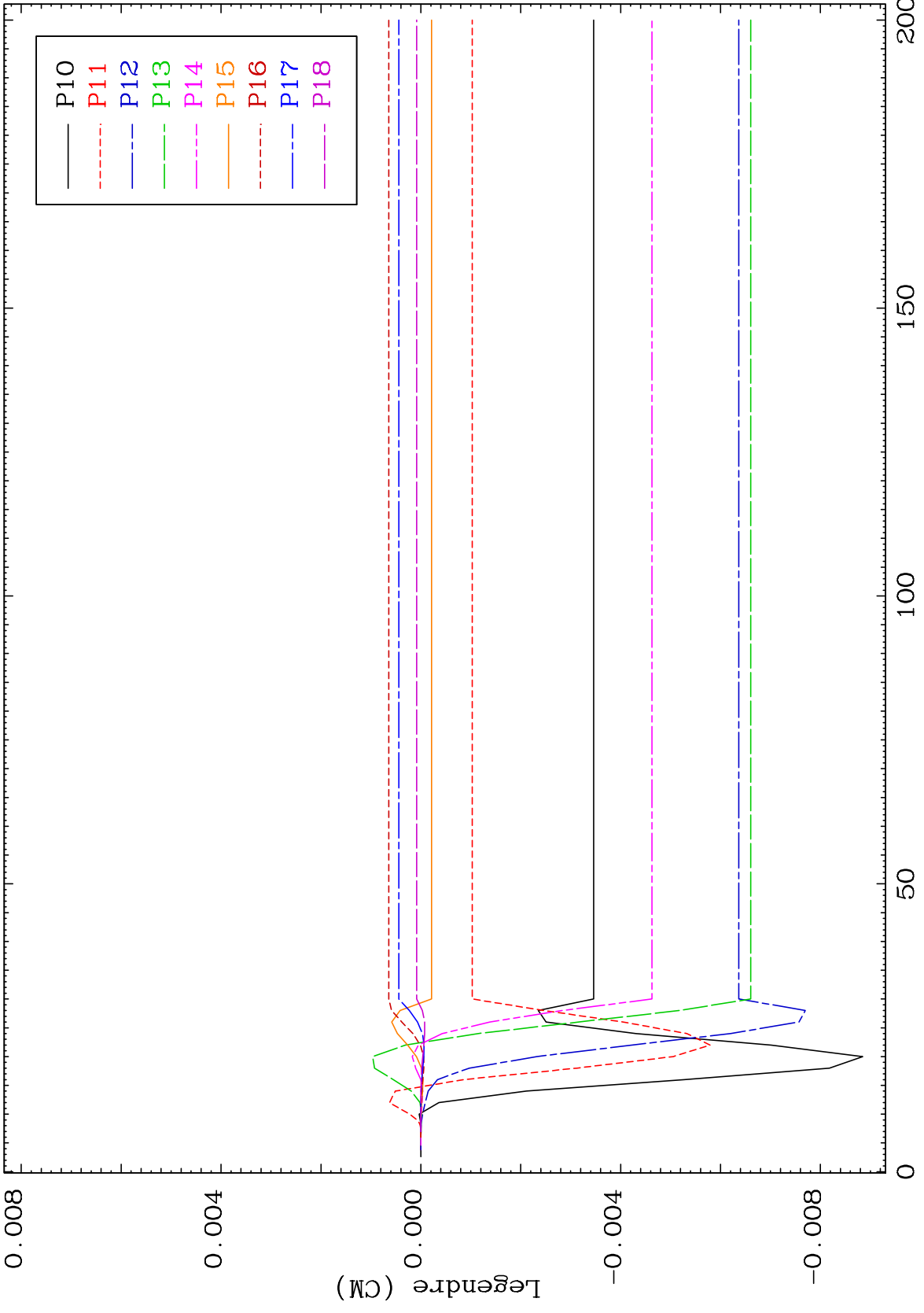


73

Incident Energy (MeV)

41-Nb-95

MAT 4131 MT= 65 (n,n') Level Legendre Coefficients 41-Nb-95

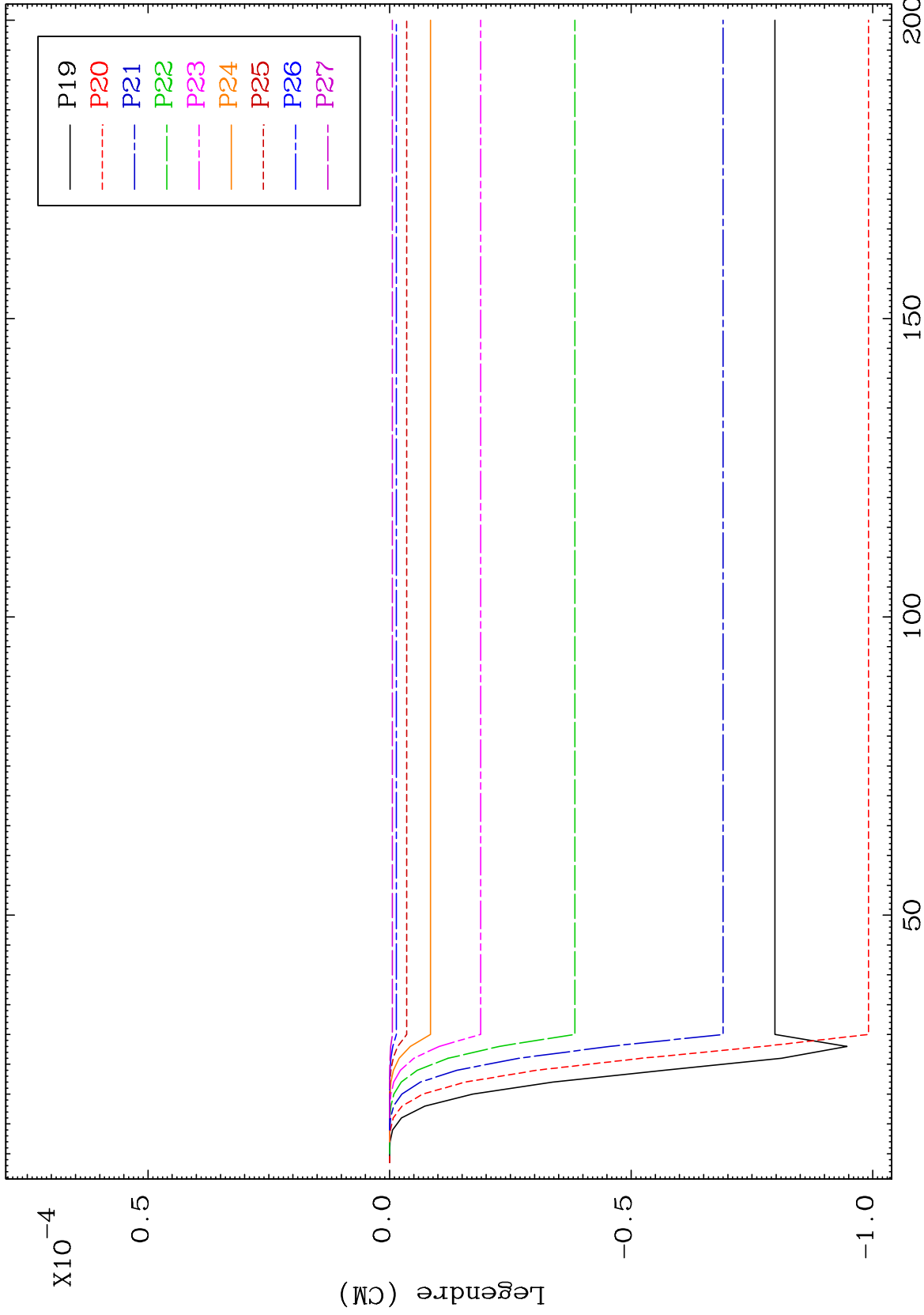


74 41-Nb-95

MAT 4131

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

41-Nb-95



75

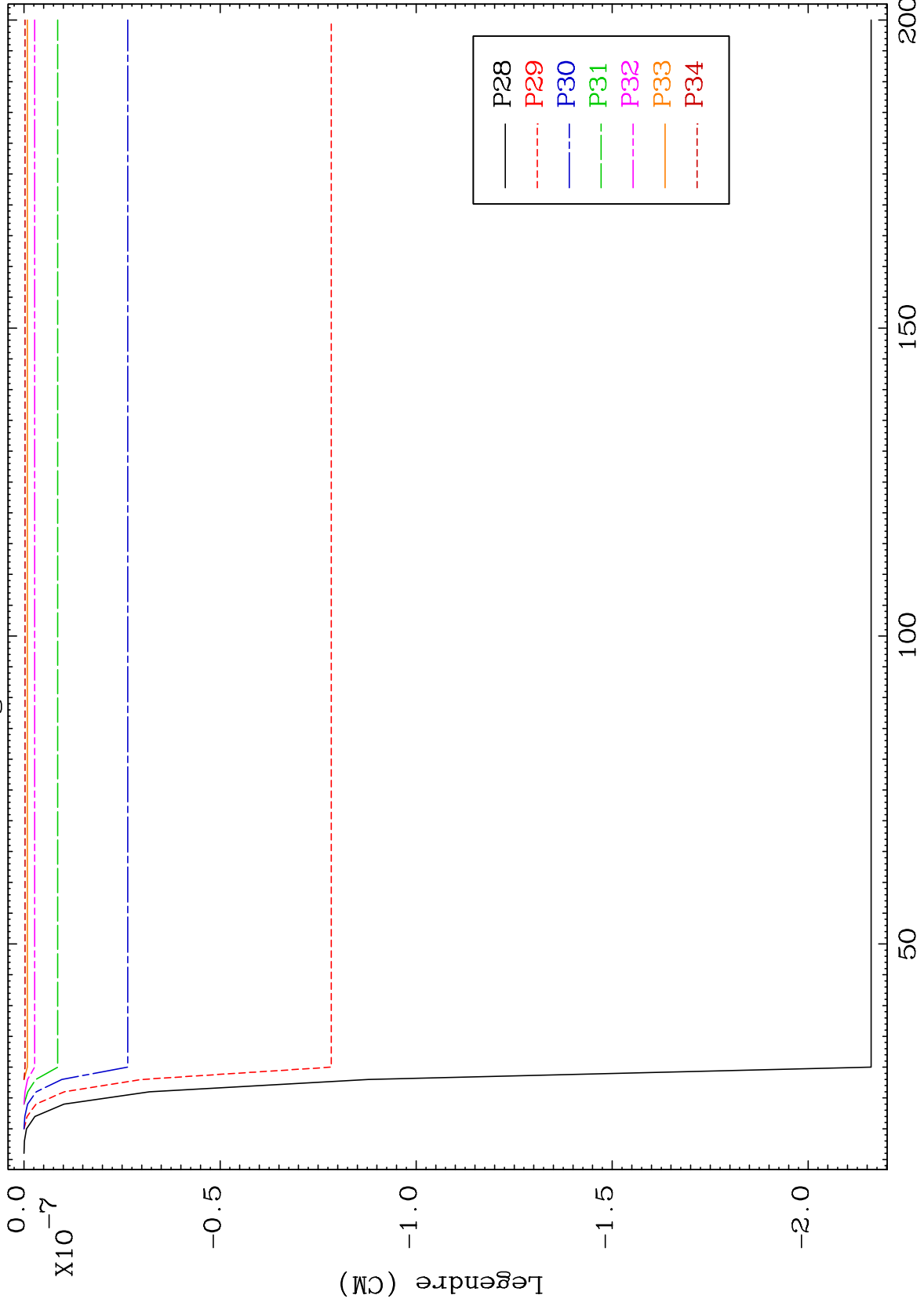
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



41-Nb-95

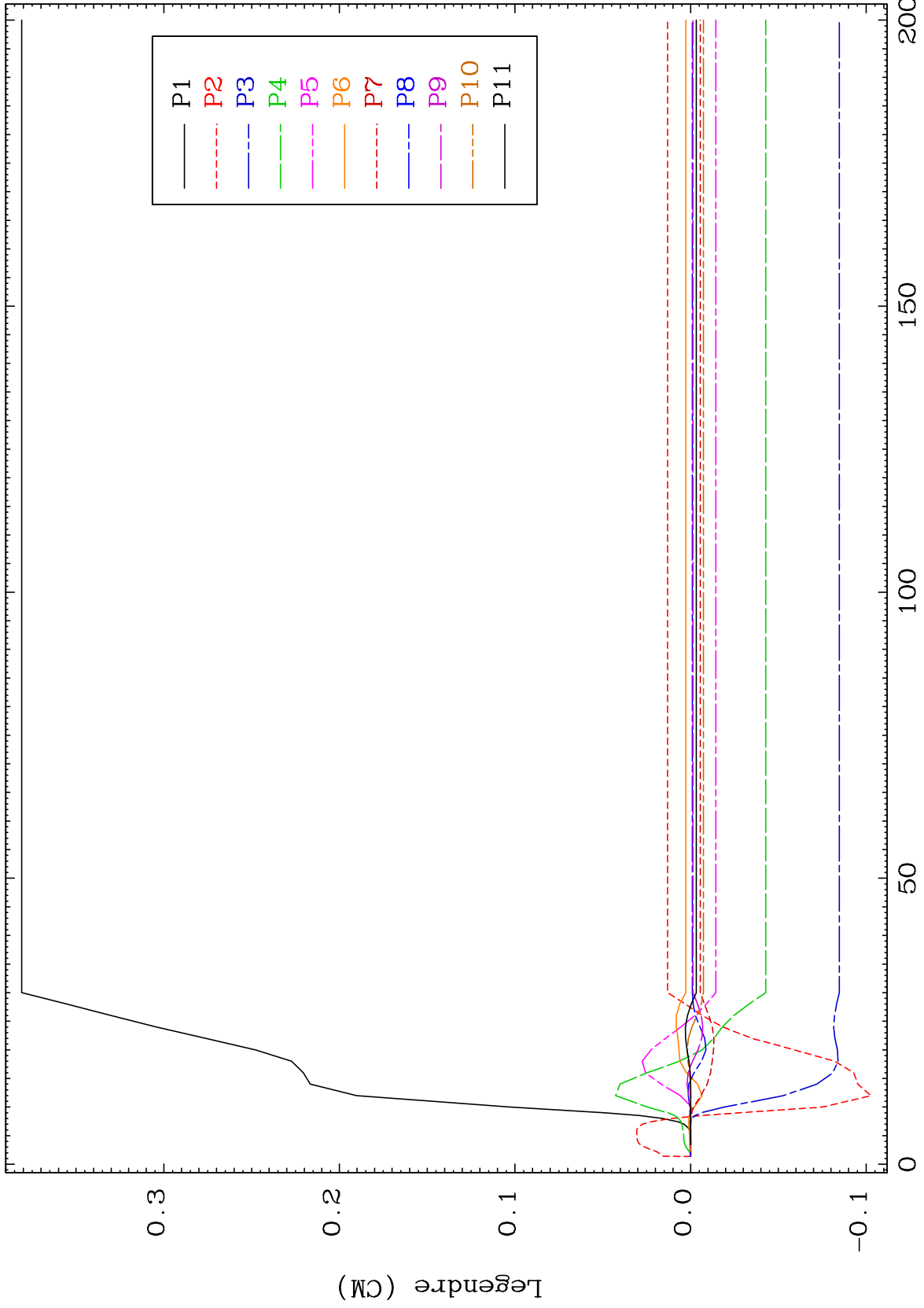
Incident Energy (MeV)

76

MAT 4131

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

41-Nb-95



77

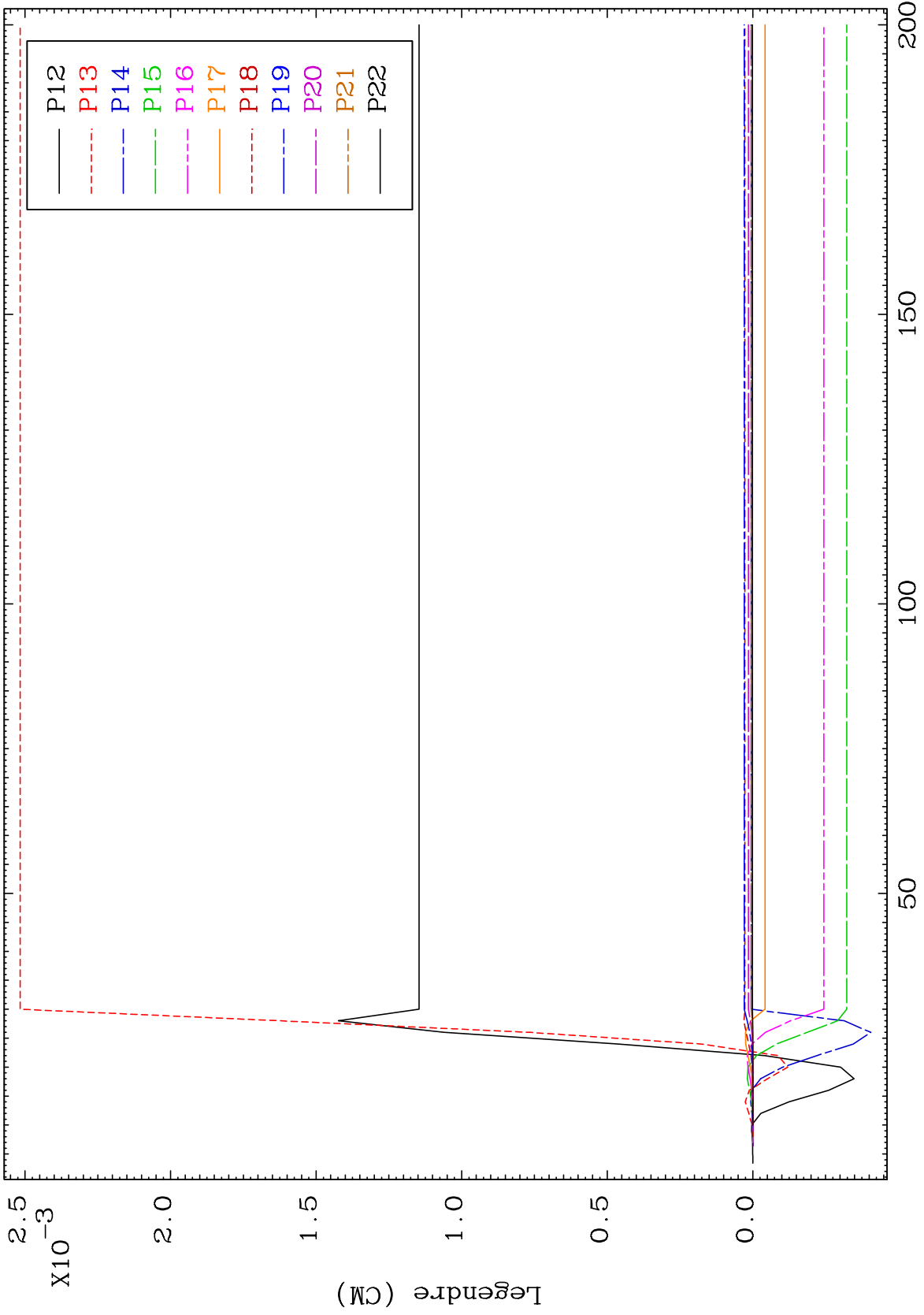
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



78

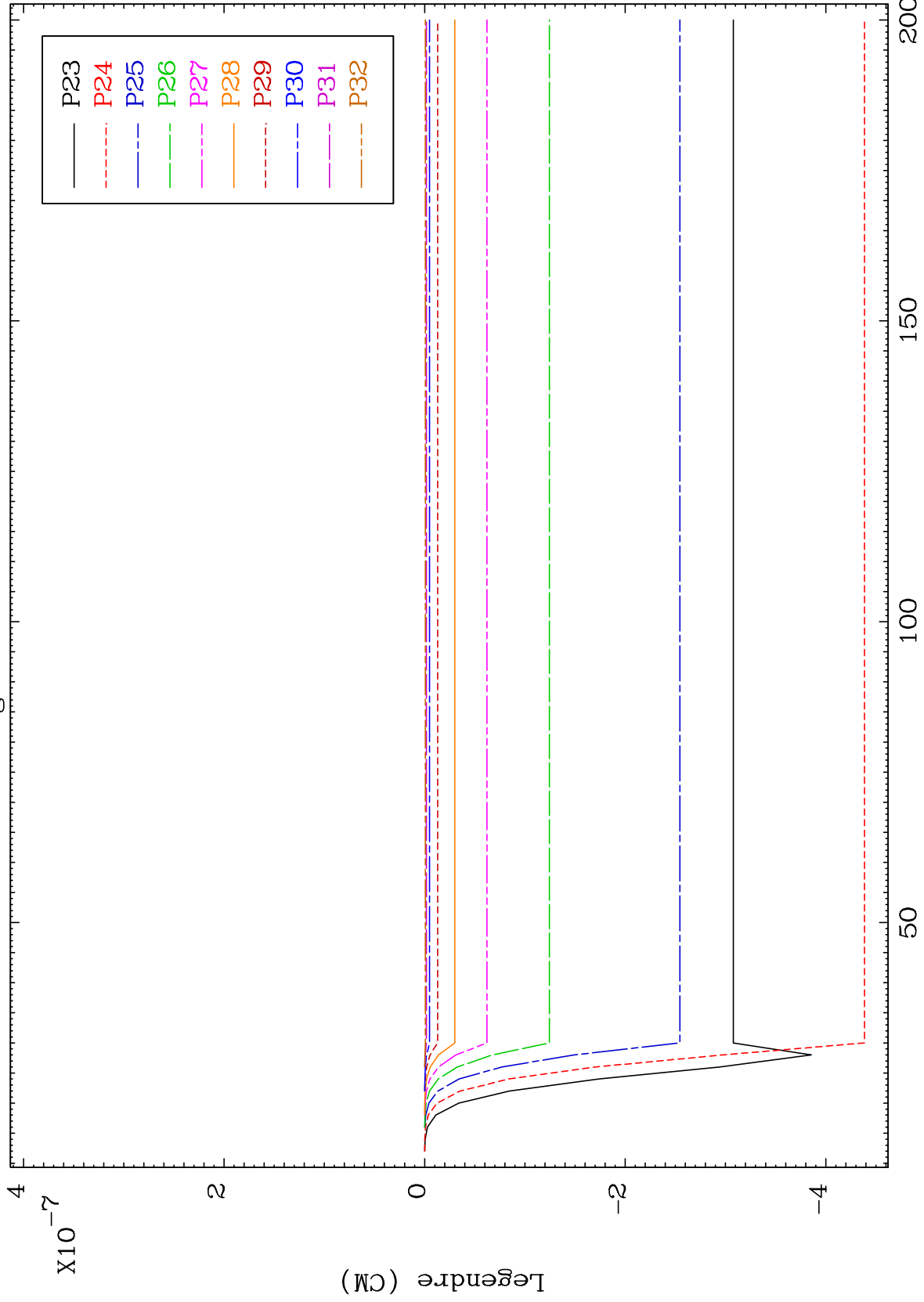
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

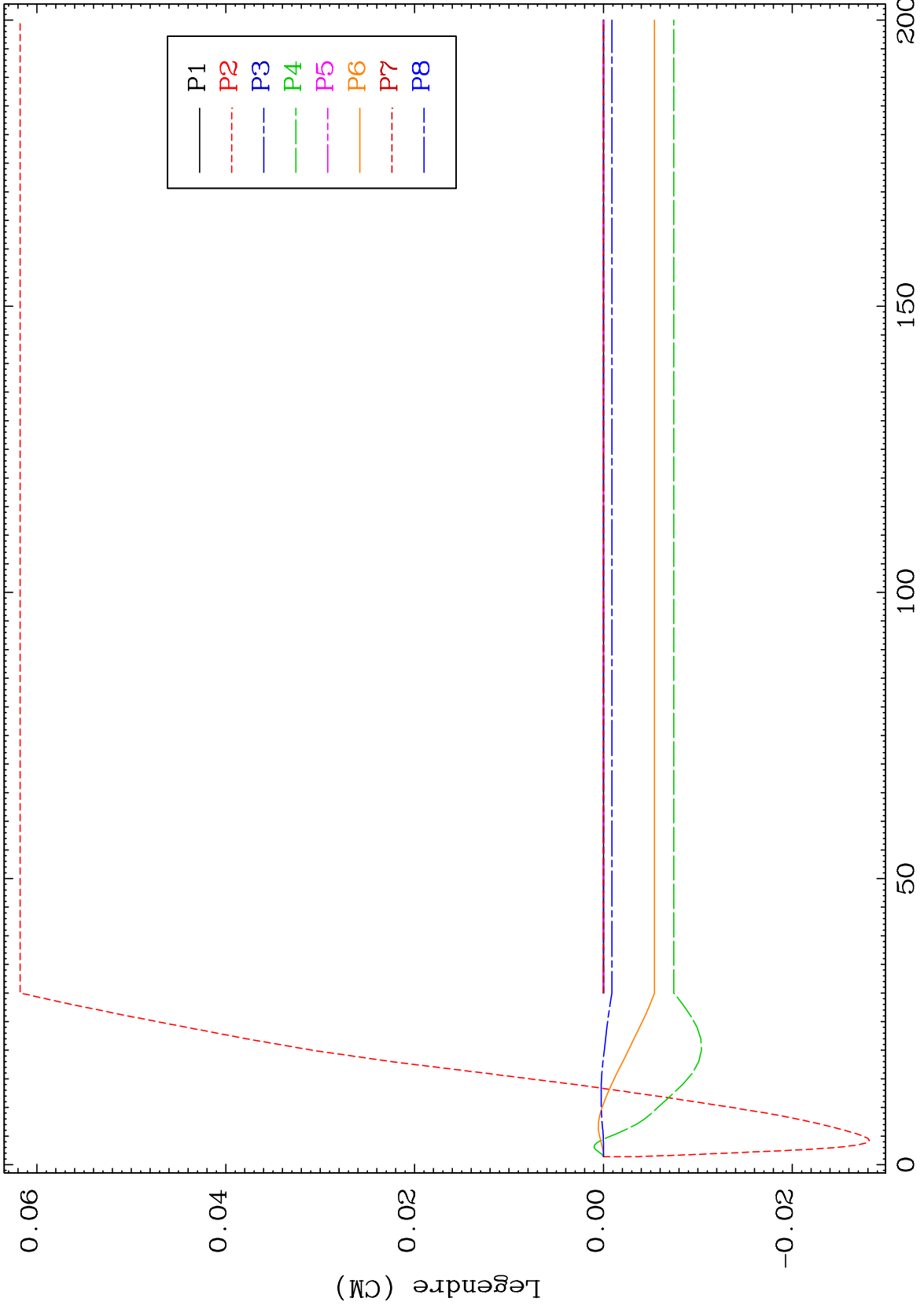
41-Nb-95



79

41-Nb-95

MAT 4131 MT= 67 (n,n') Level Legendre Coefficients 41-Nb-95

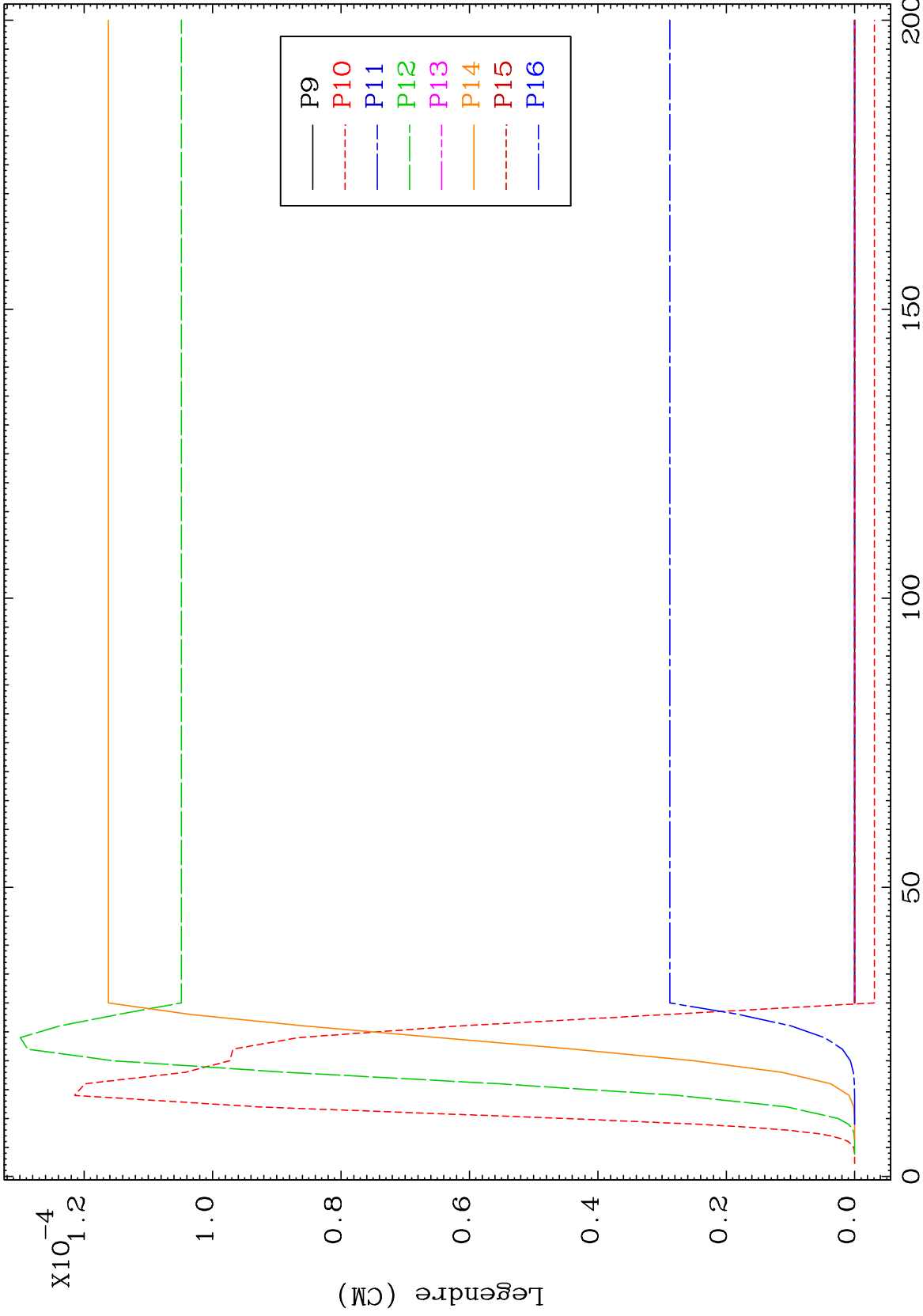


41-Nb-95

MAT 4131

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

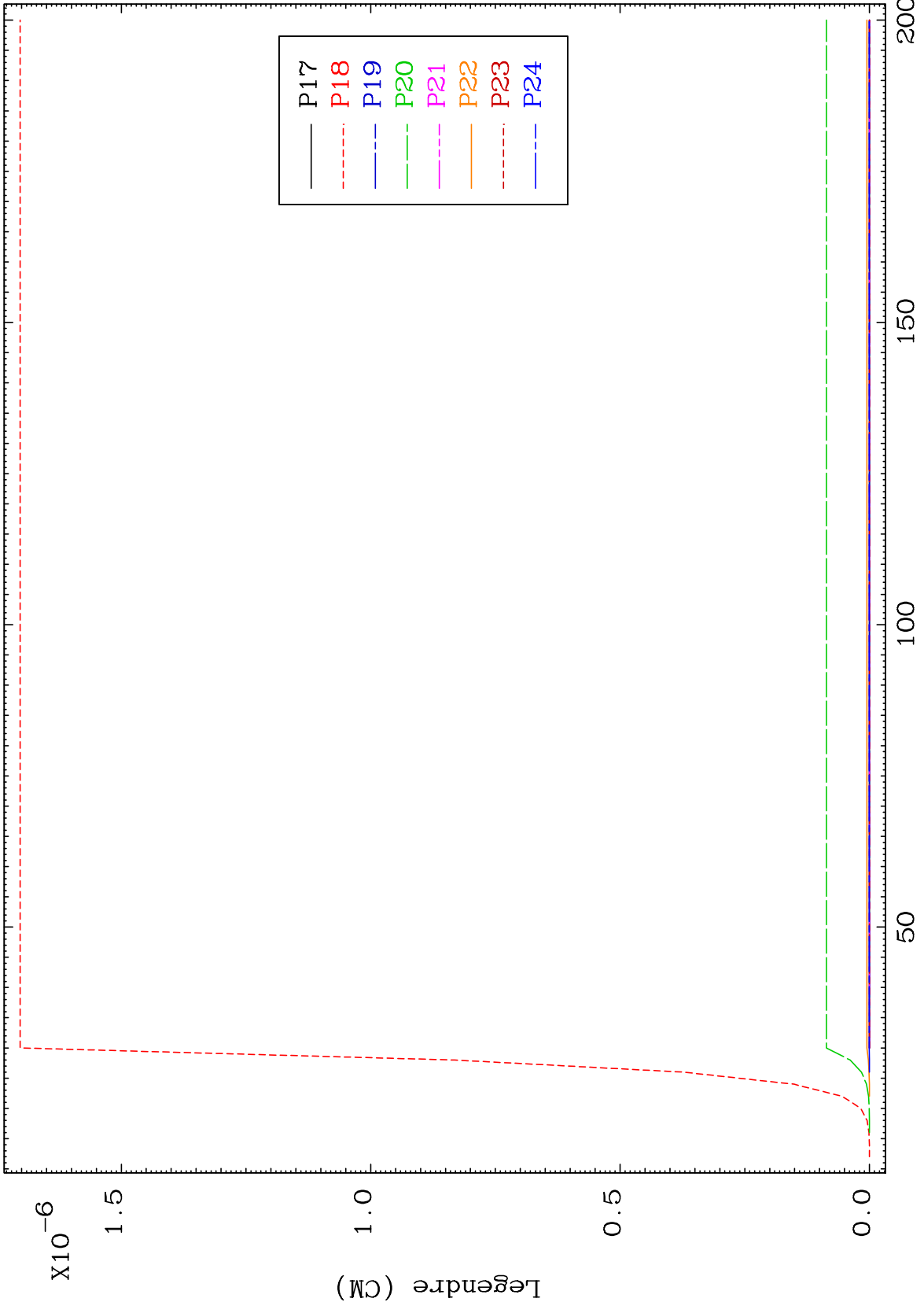
41-Nb-95



81

41-Nb-95

MAT 4131 MT= 67 (n,n') Level Legendre Coefficients 41-Nb-95

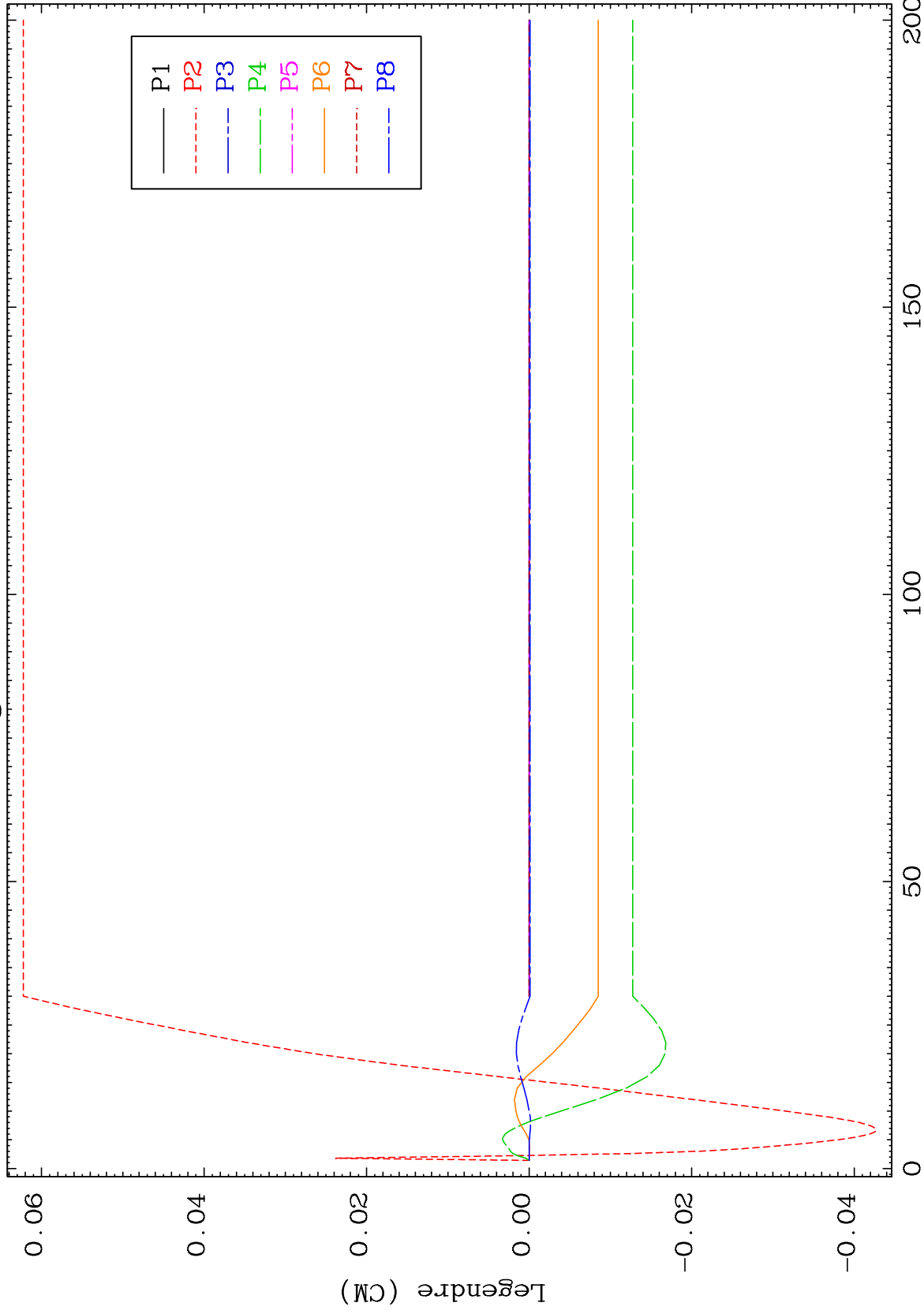


82 Incident Energy (MeV) 41-Nb-95

MAT 4131

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

41-Nb-95

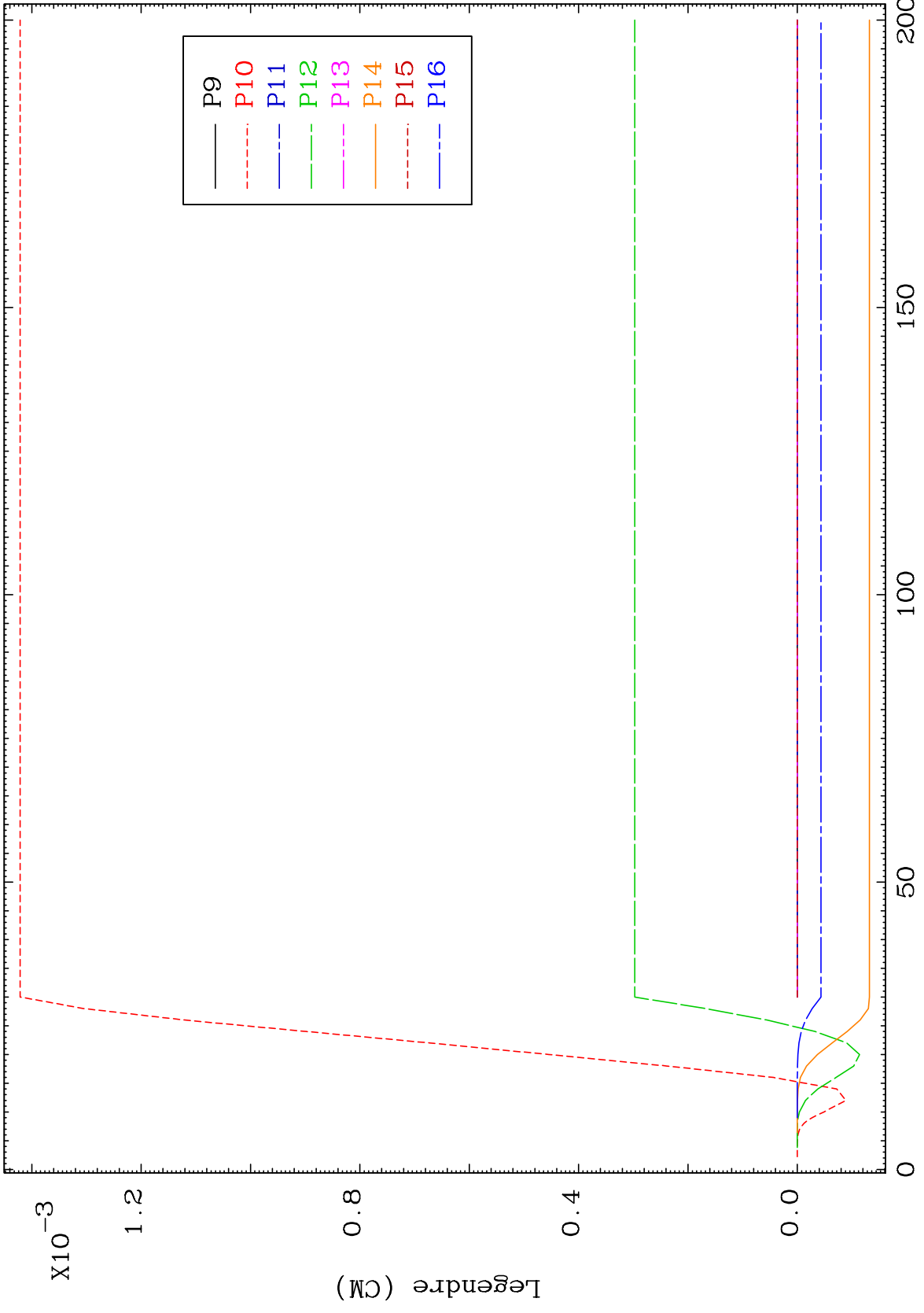


83

Incident Energy (MeV)

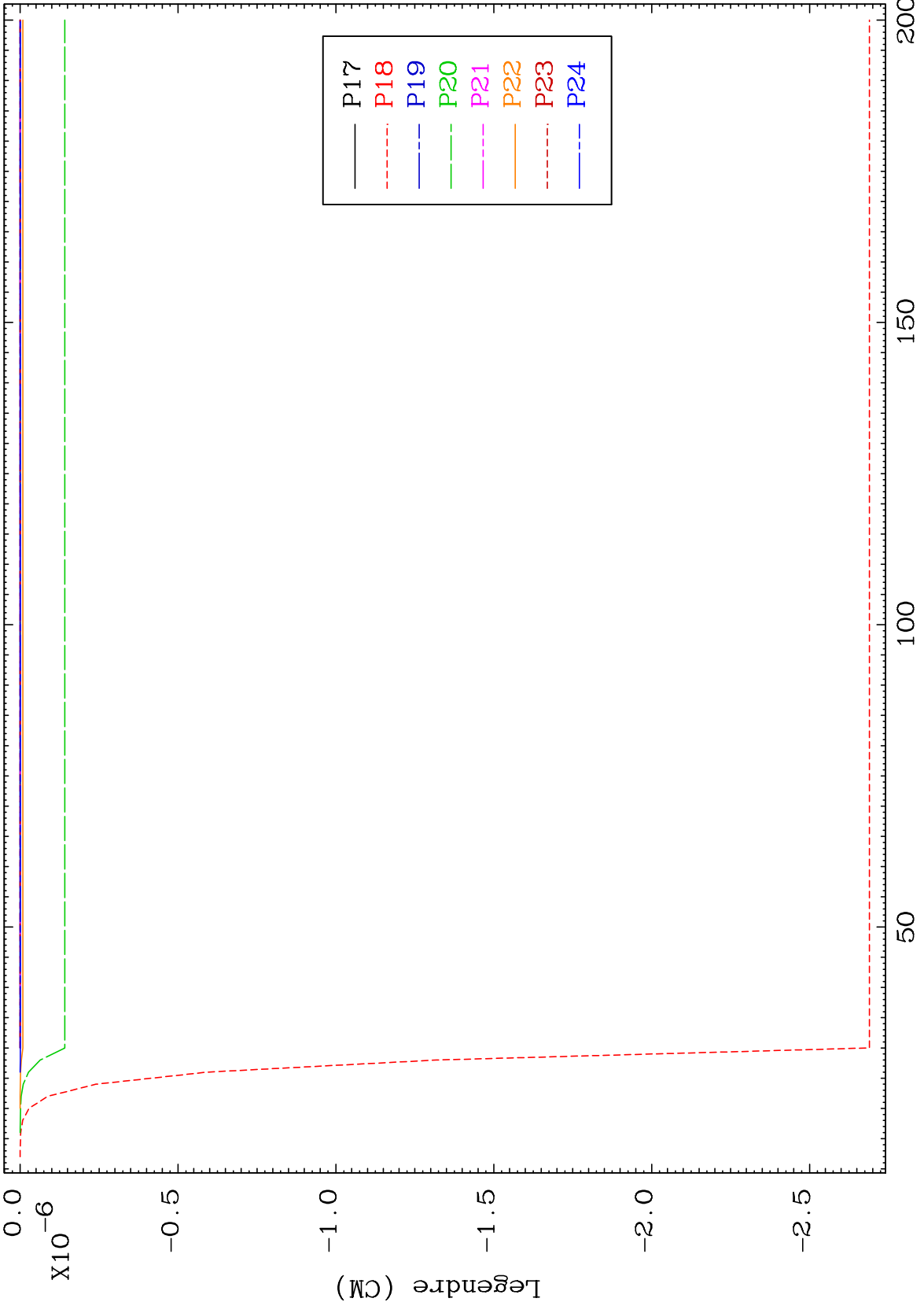
41-Nb-95

MAT 4131 MT= 68 (n,n') Level Legendre Coefficients 41-Nb-95

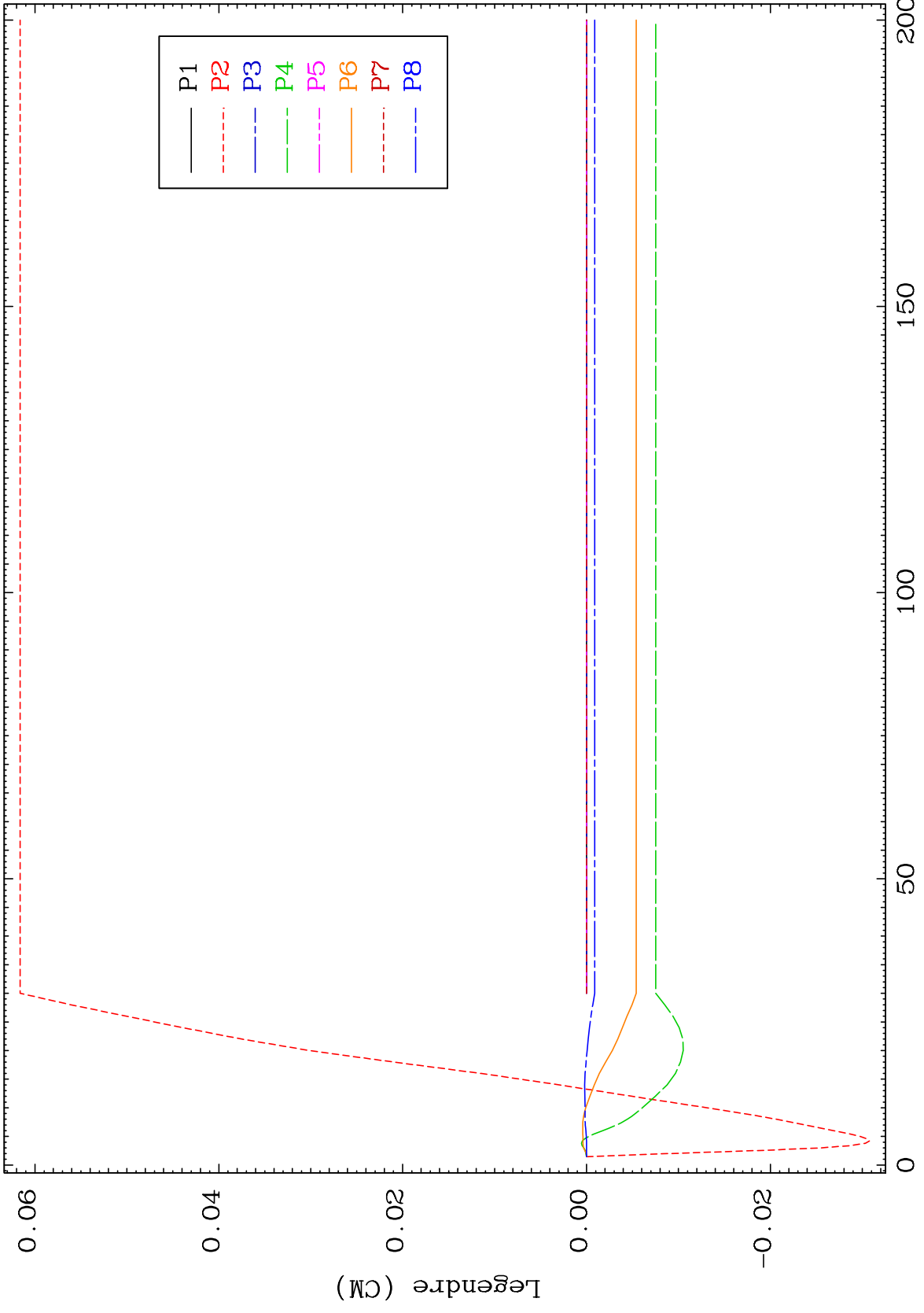


84 41-Nb-95

MAT 4131 MT= 68 (n,n') Level Legendre Coefficients 41-Nb-95



MAT 4131 MT= 69 (n,n') Level Legendre Coefficients 41-Nb-95

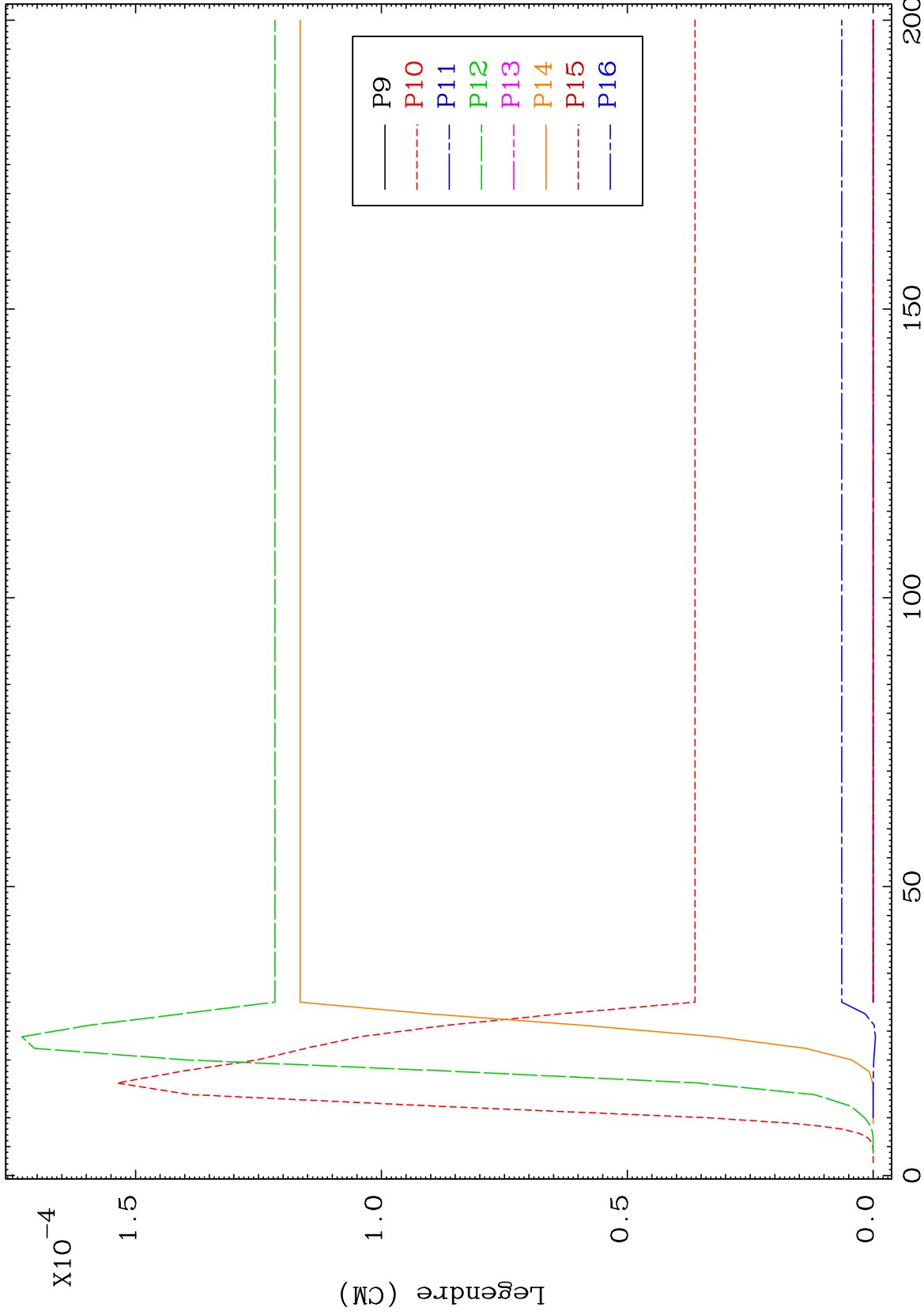


86 41-Nb-95

MAT 4131

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

41-Nb-95



87

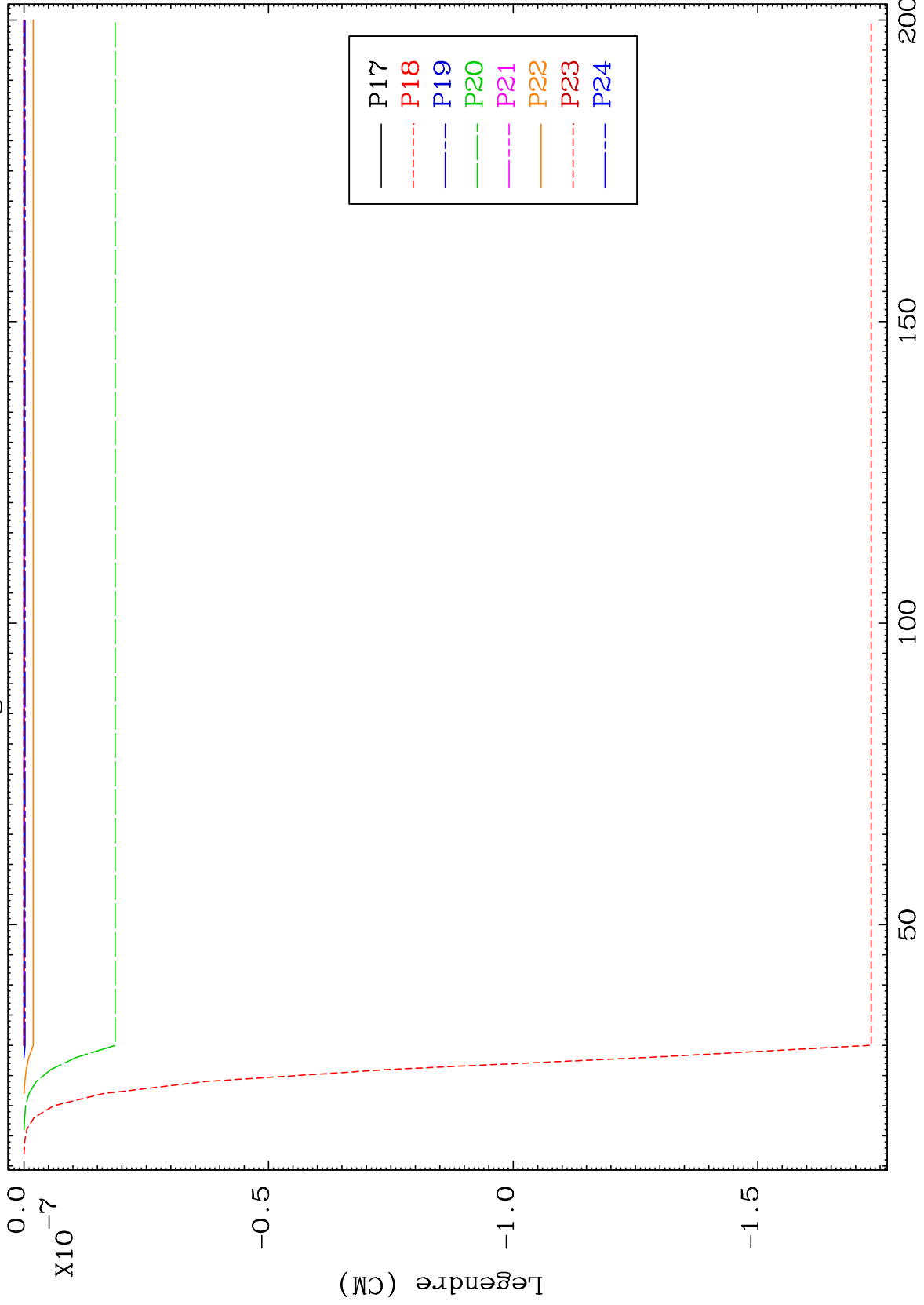
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



88

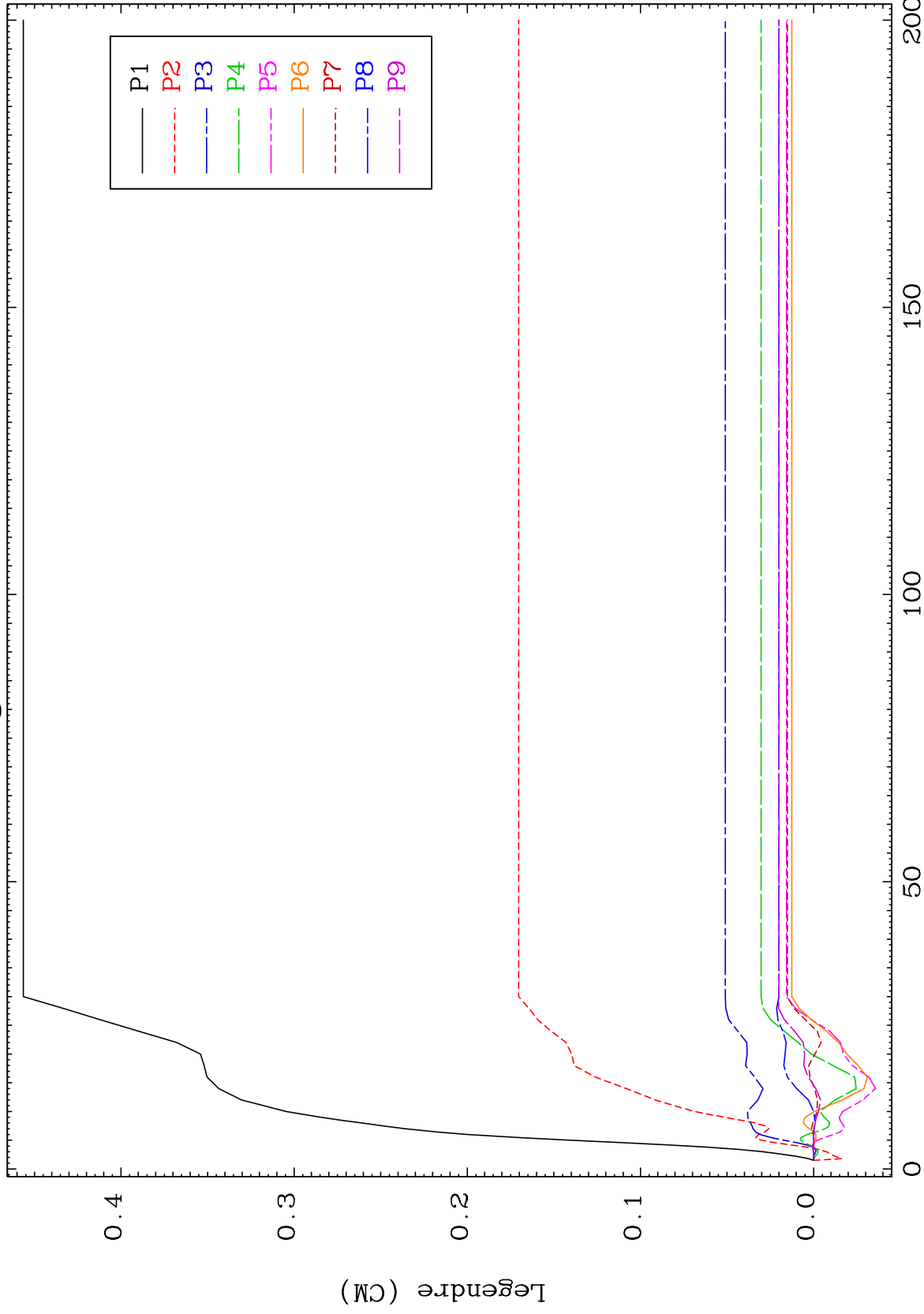
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



89

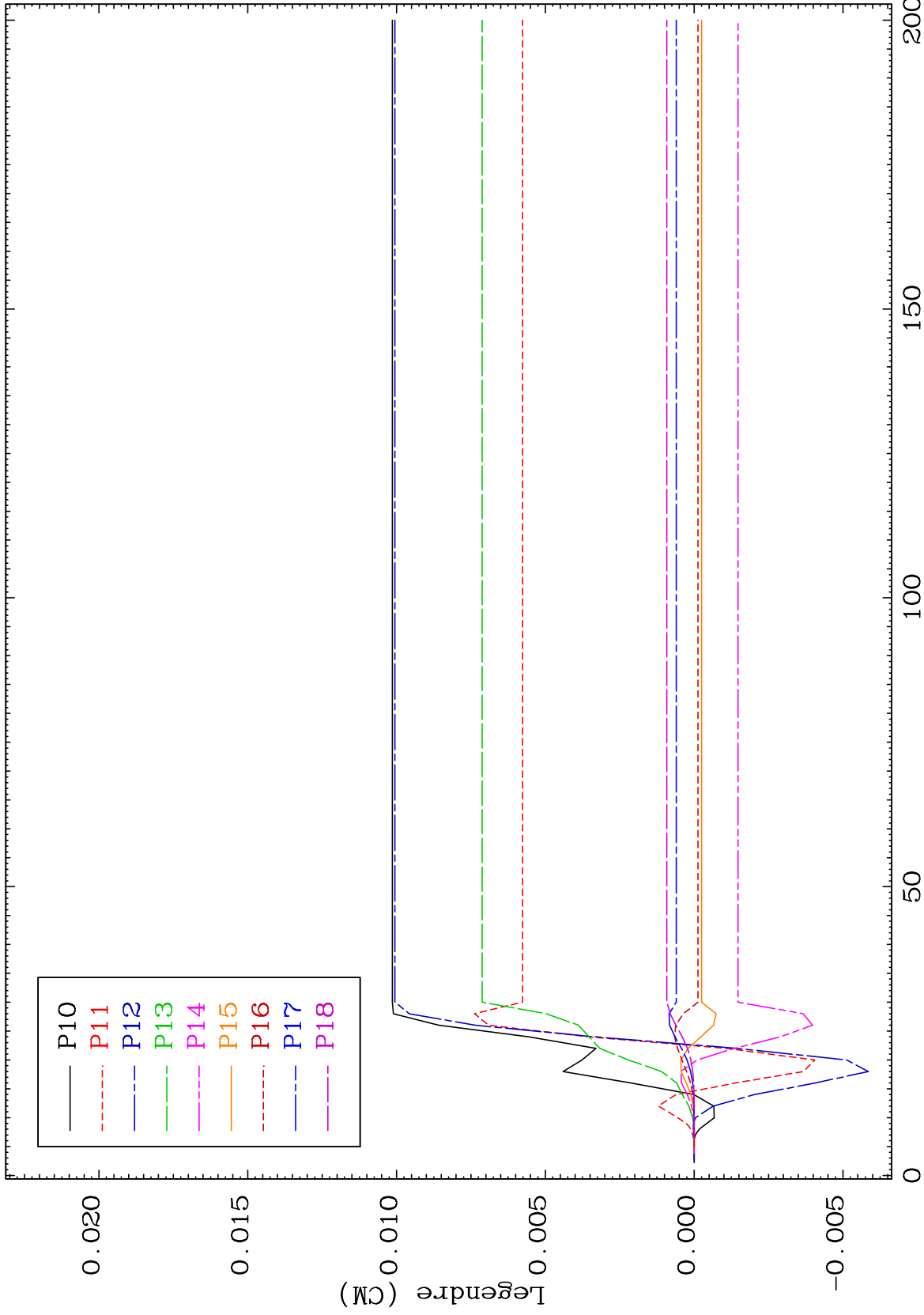
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



90

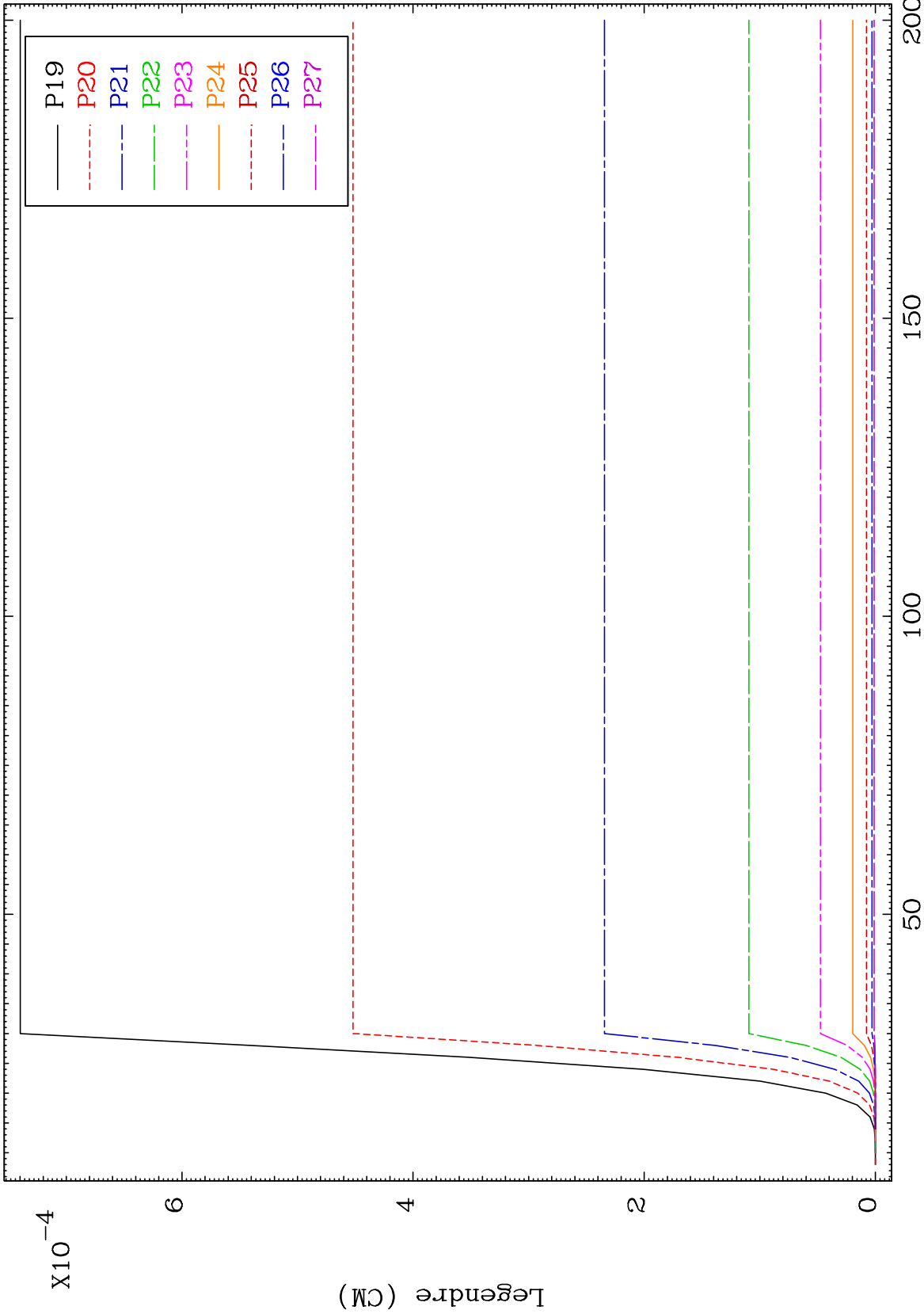
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



91

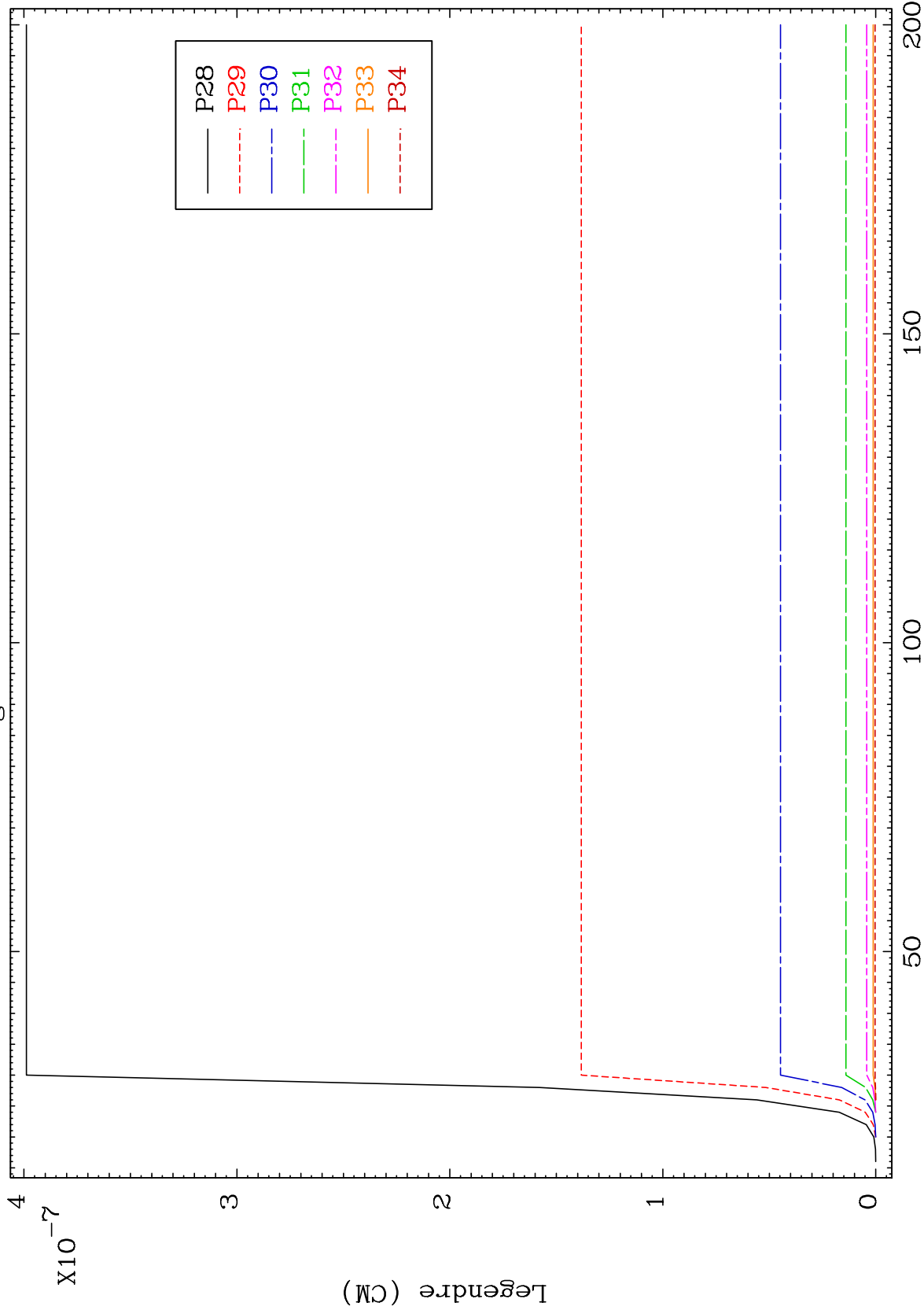
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



92

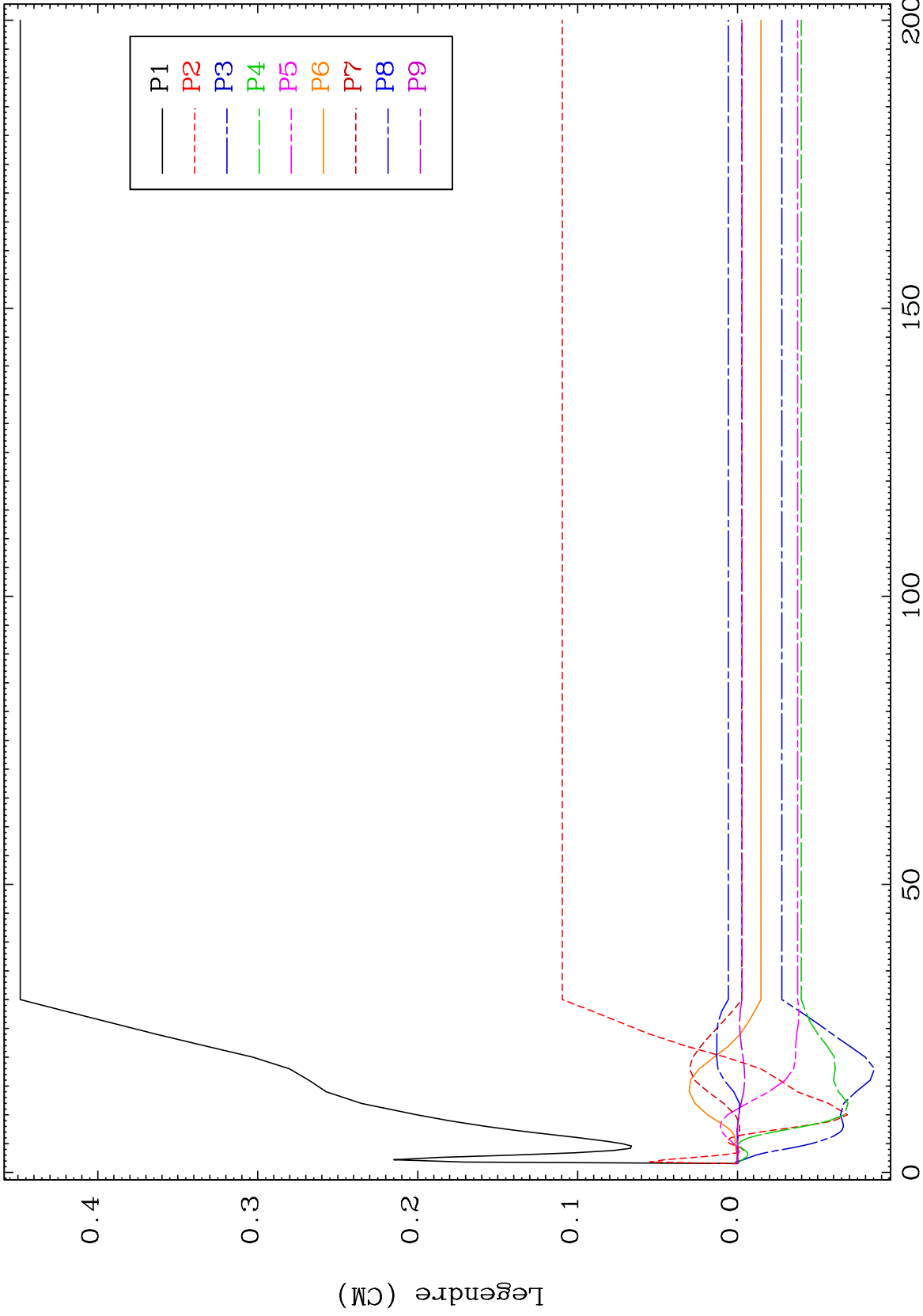
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



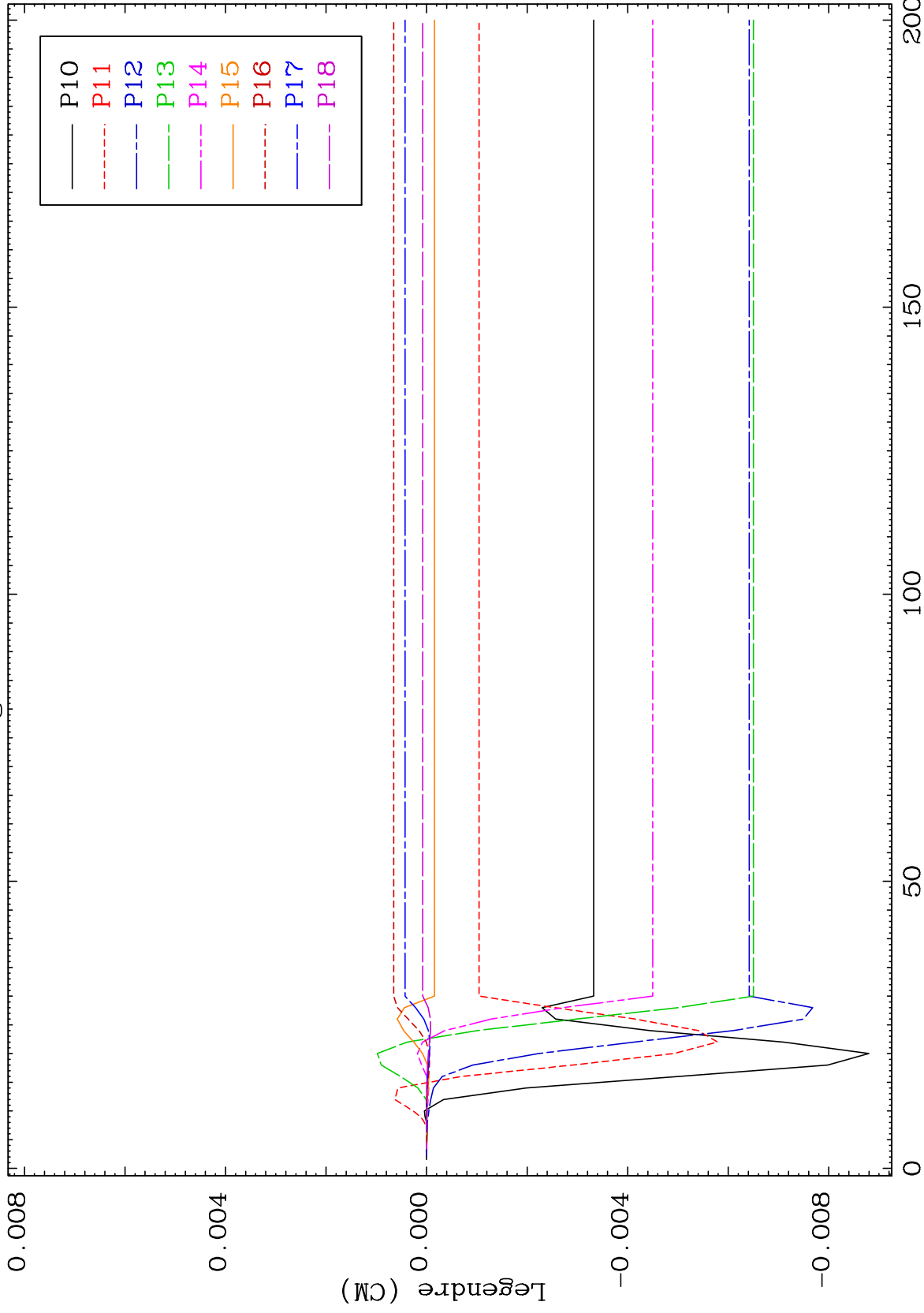
93

41-Nb-95

MAT 4131

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

41-Nb-95



94

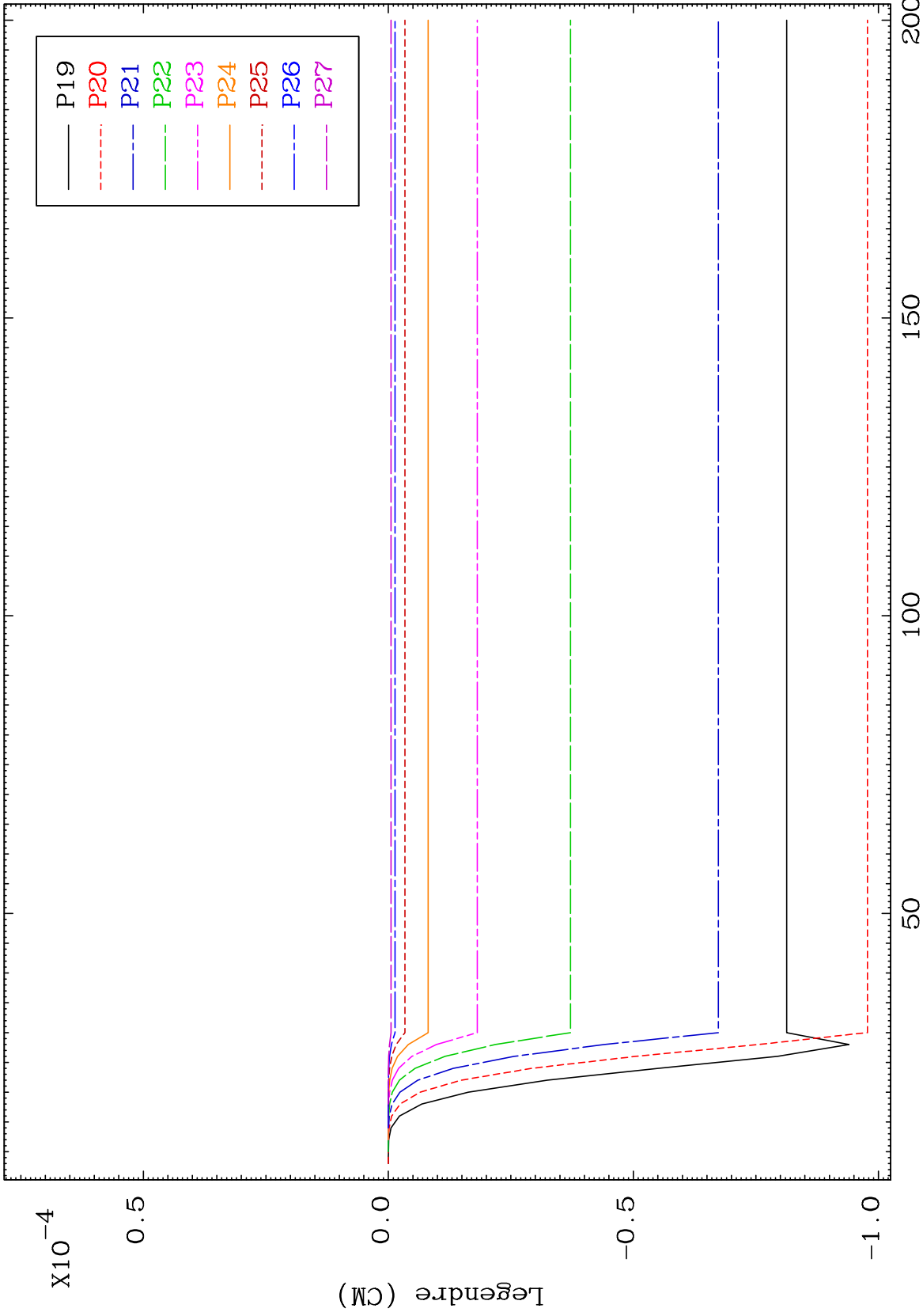
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



95

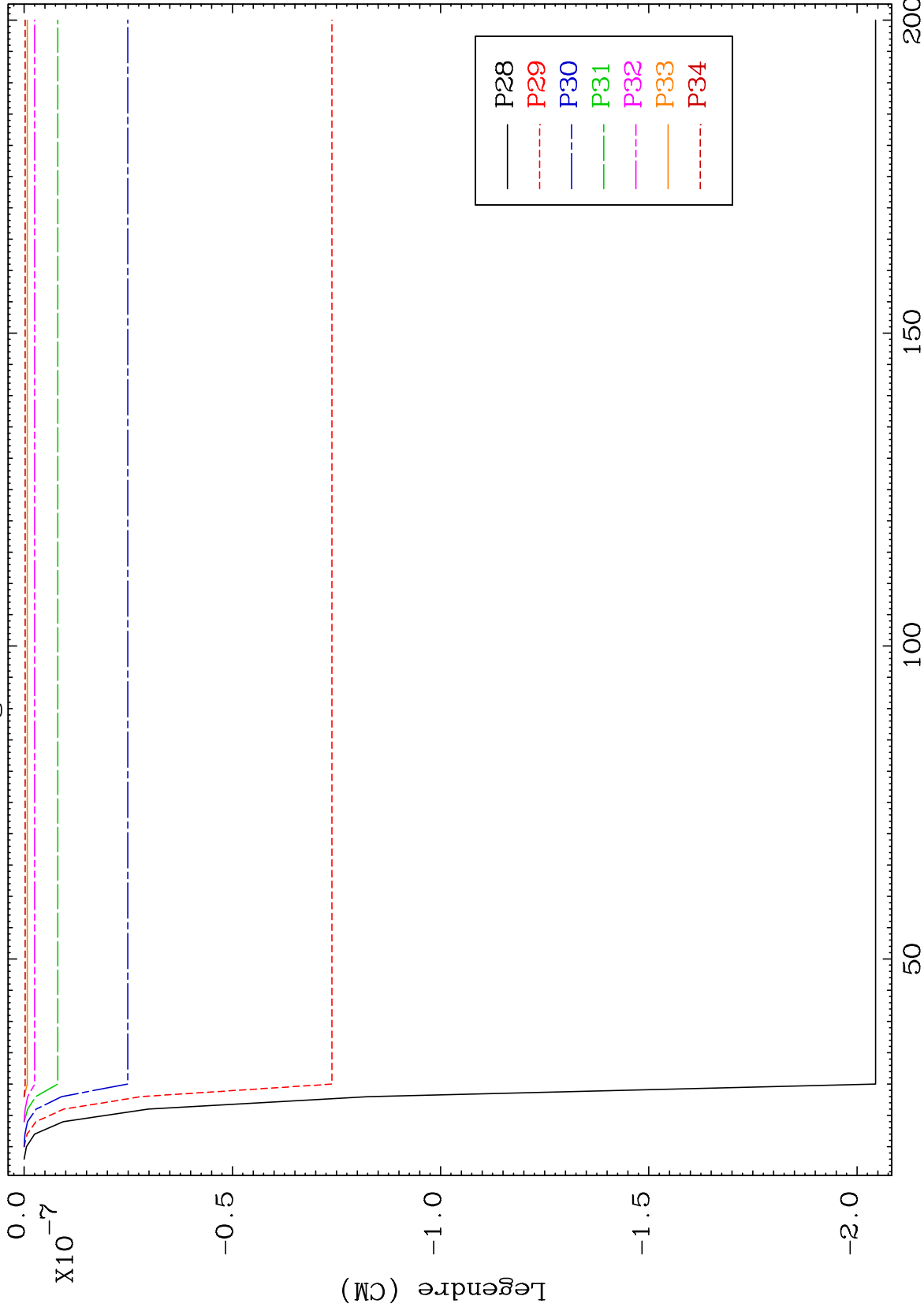
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



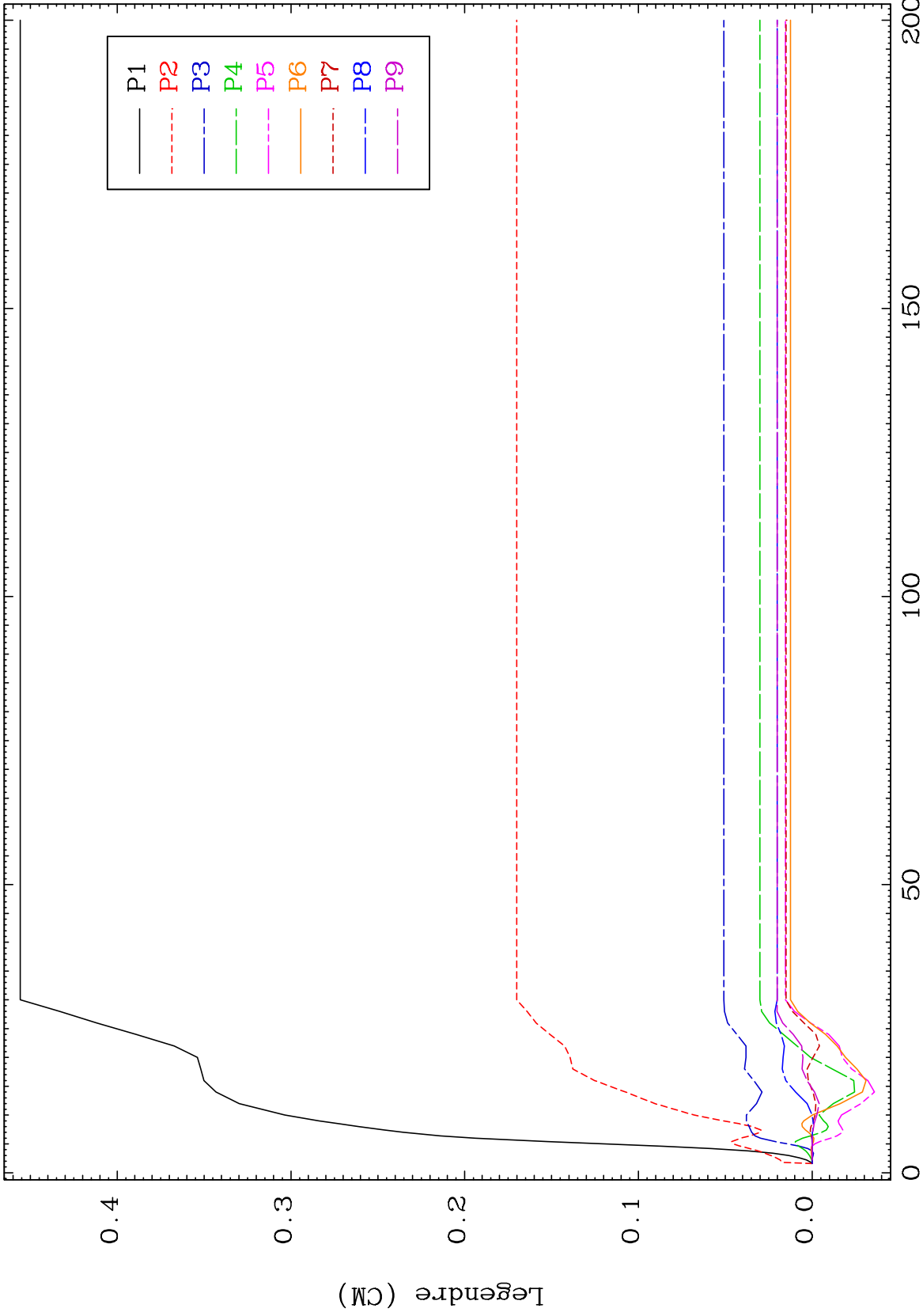
96

41-Nb-95

MAT 4131

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

41-Nb-95



97

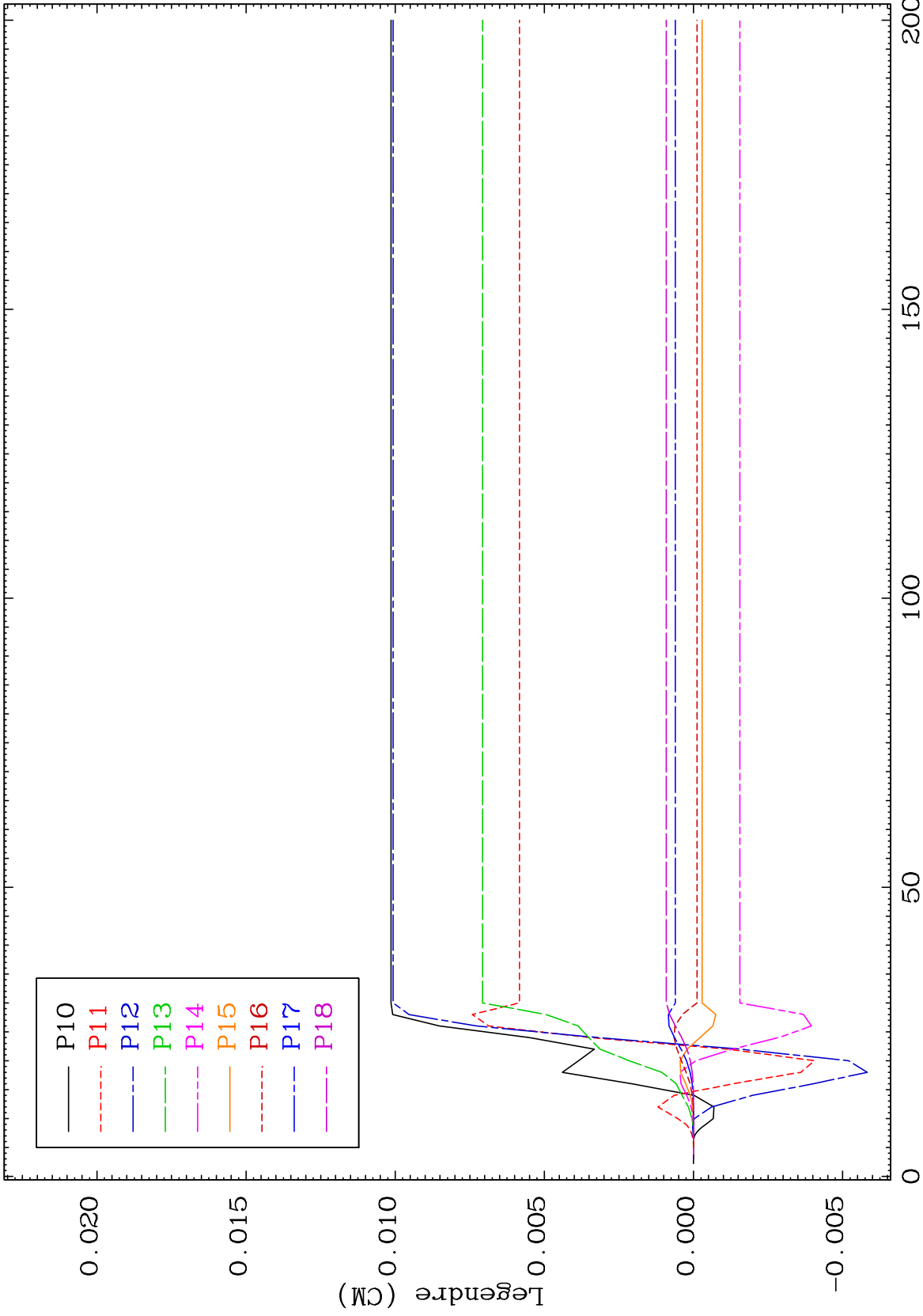
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



98

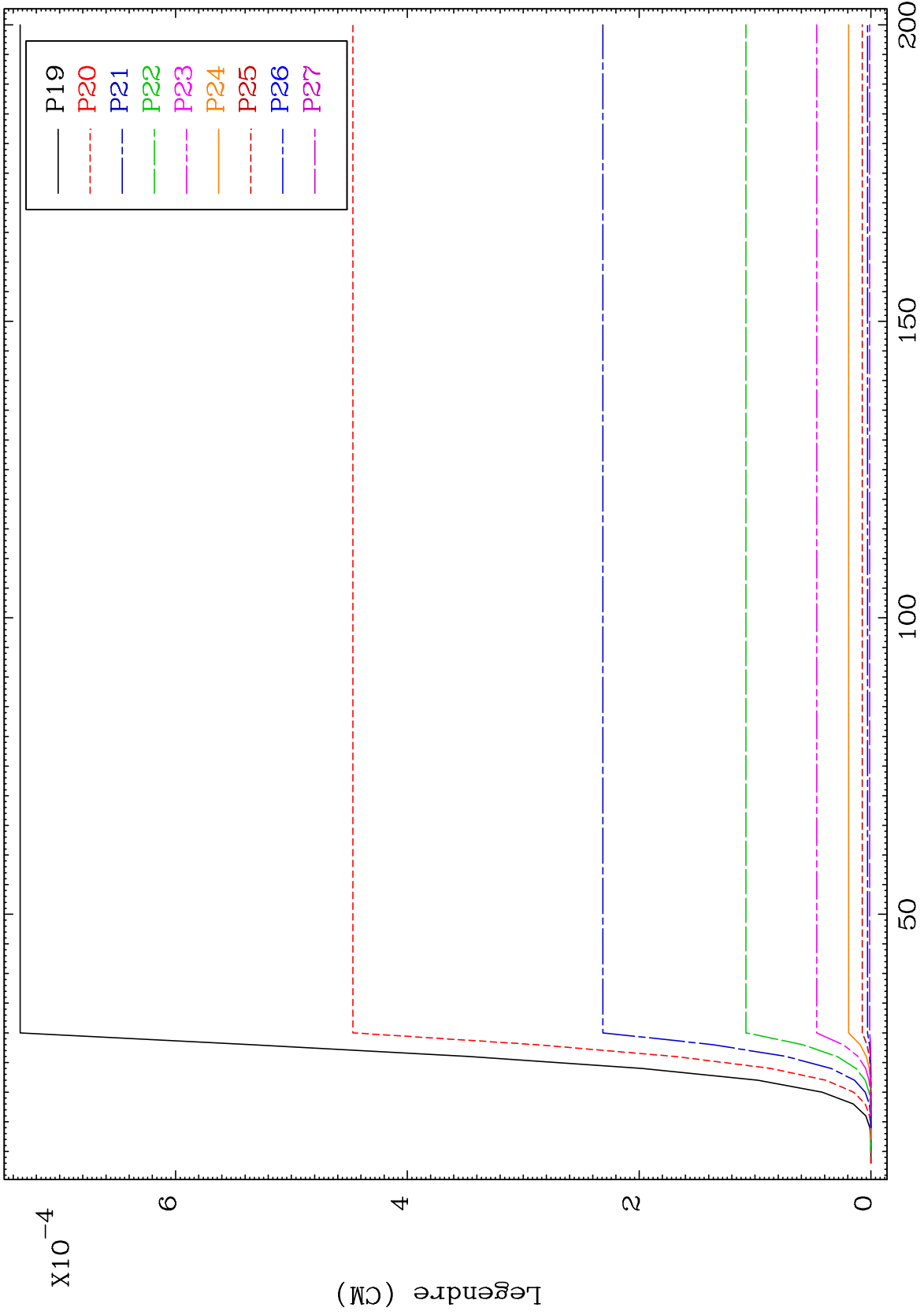
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



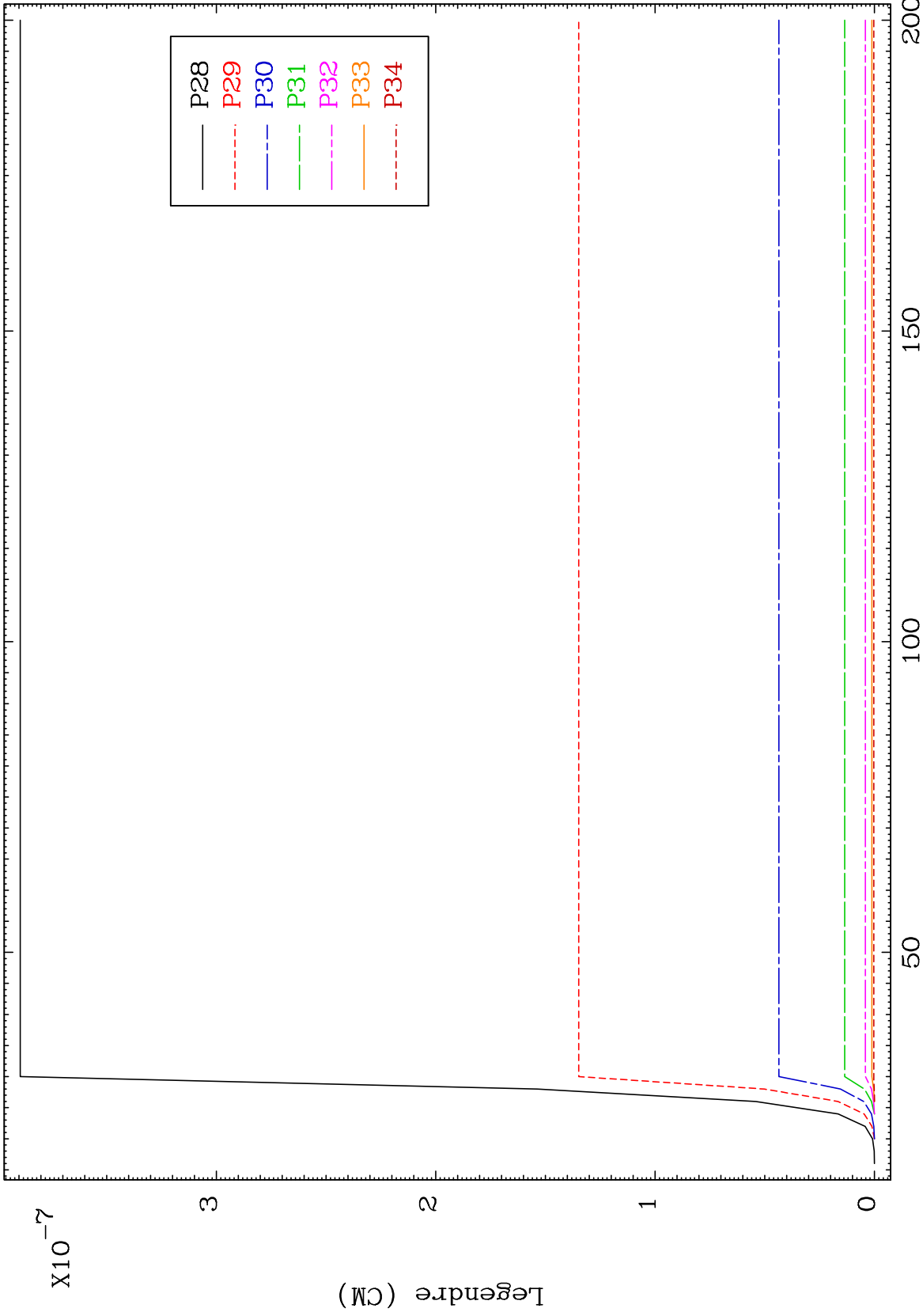
99

41-Nb-95

MAT 4131

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

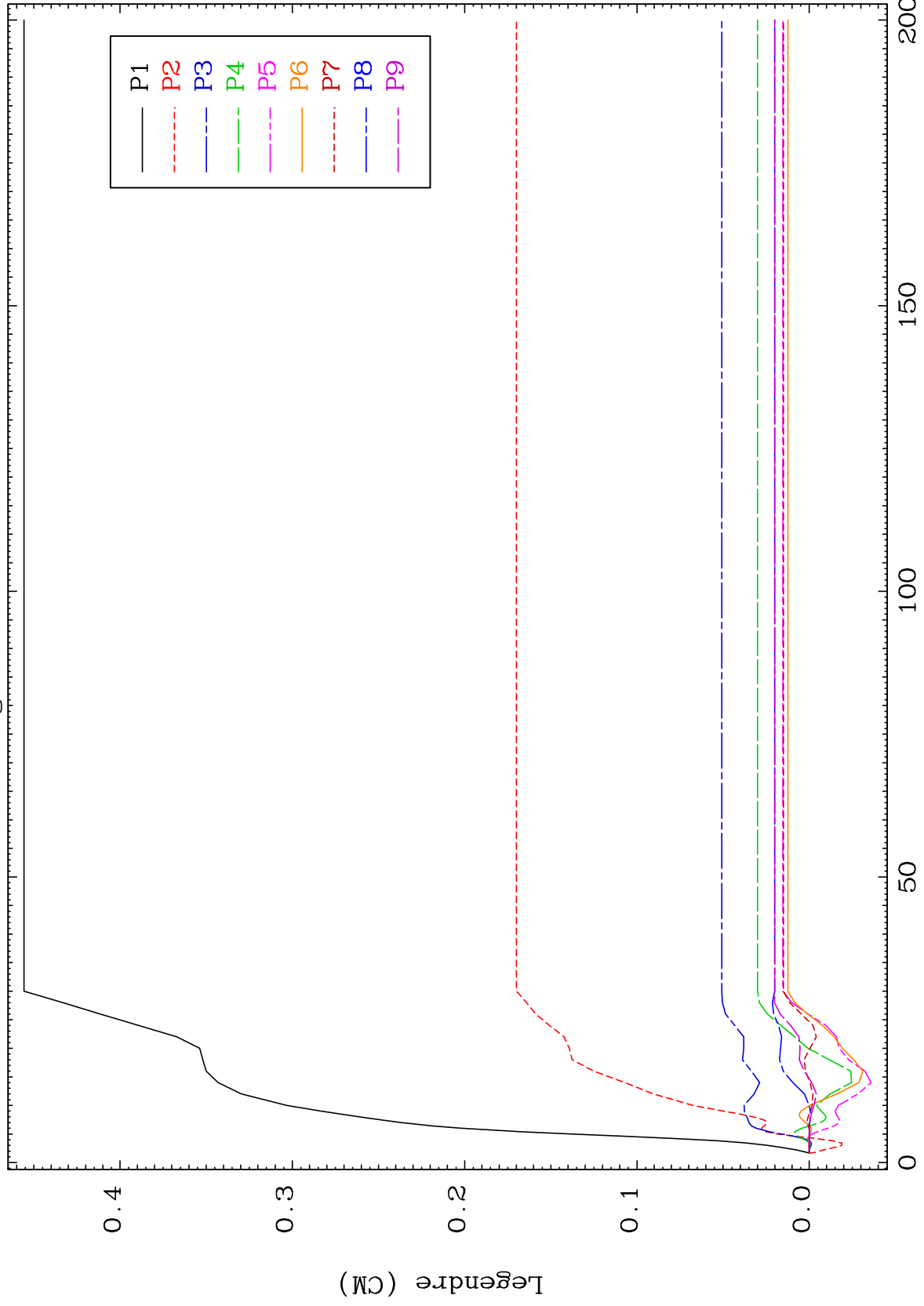
41-Nb-95



MAT 4131

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

41-Nb-95



101

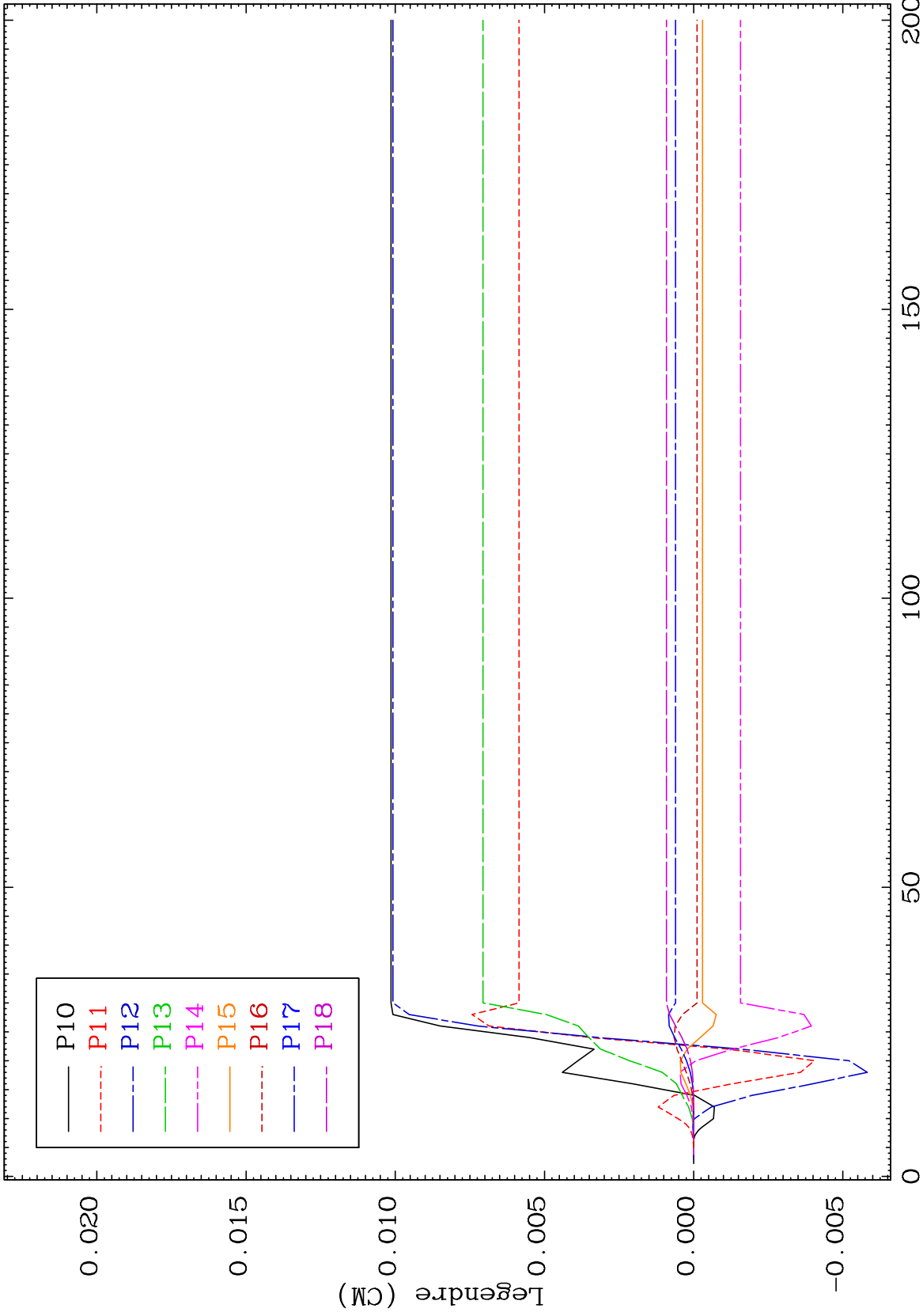
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



102

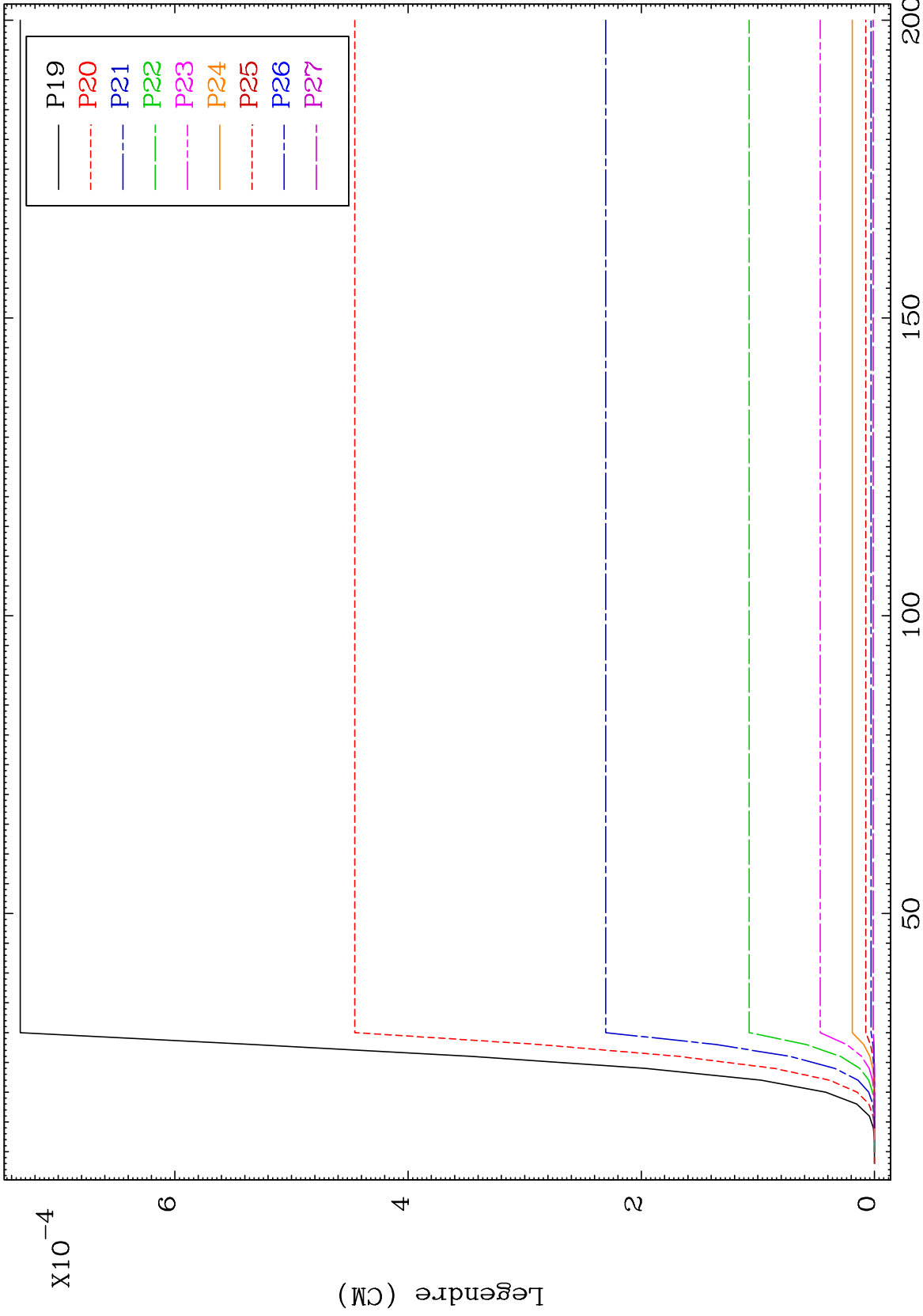
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



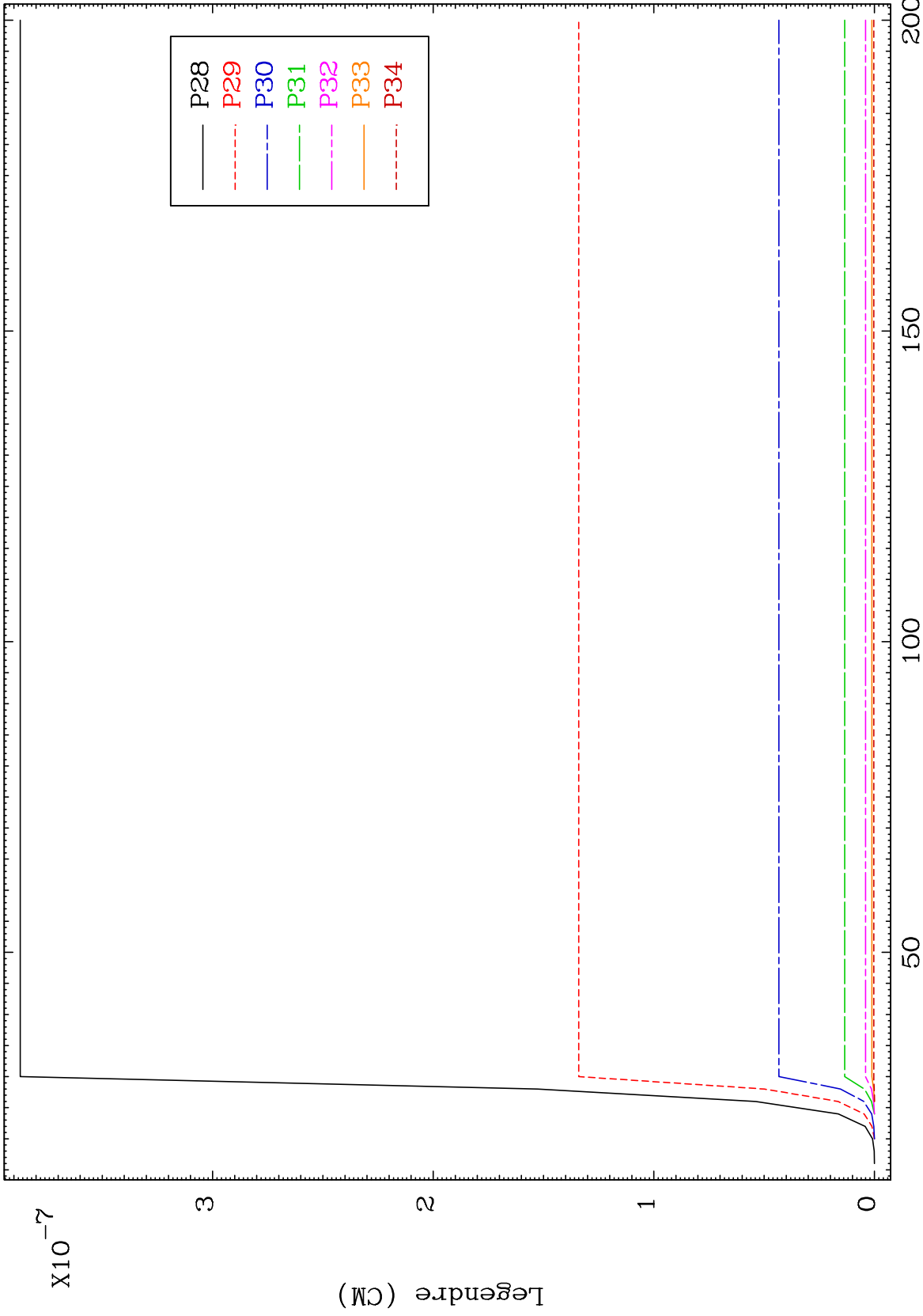
103

41-Nb-95

MAT 4131

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

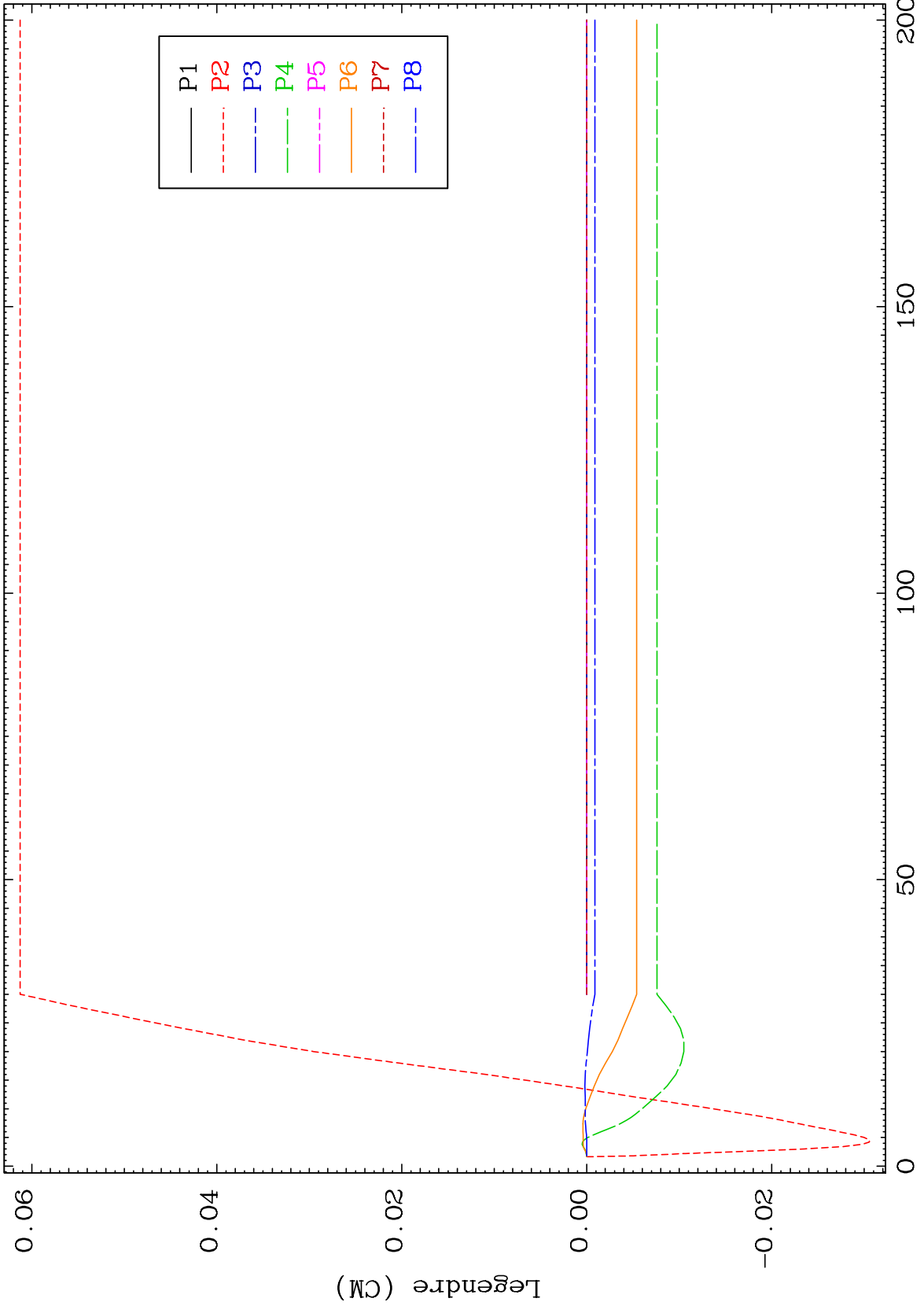
41-Nb-95



104

41-Nb-95

MAT 4131 MT= 74 (n,n') Level Legendre Coefficients 41-Nb-95

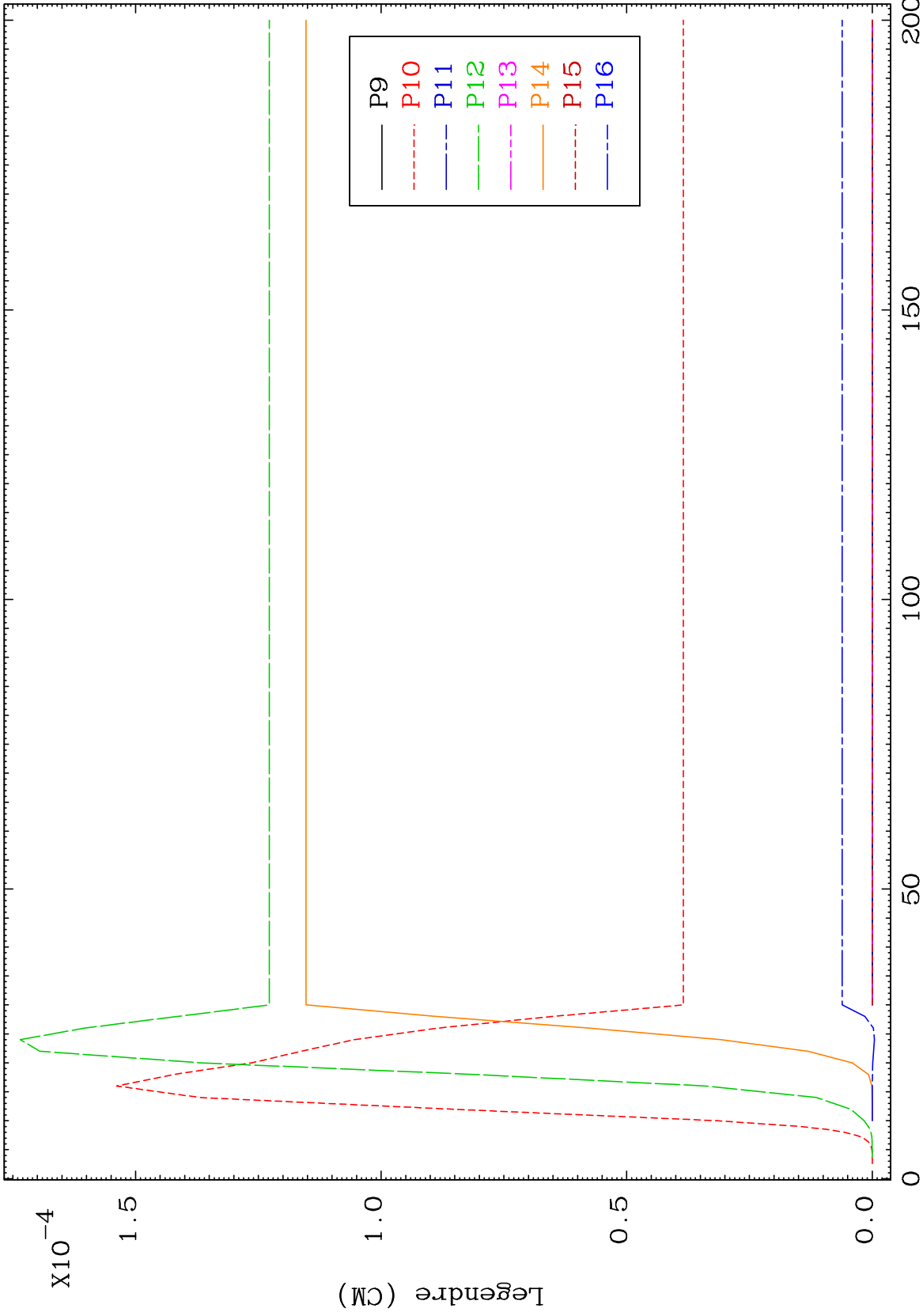


105 Incident Energy (MeV) 41-Nb-95

MAT 4131

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

41-Nb-95



106

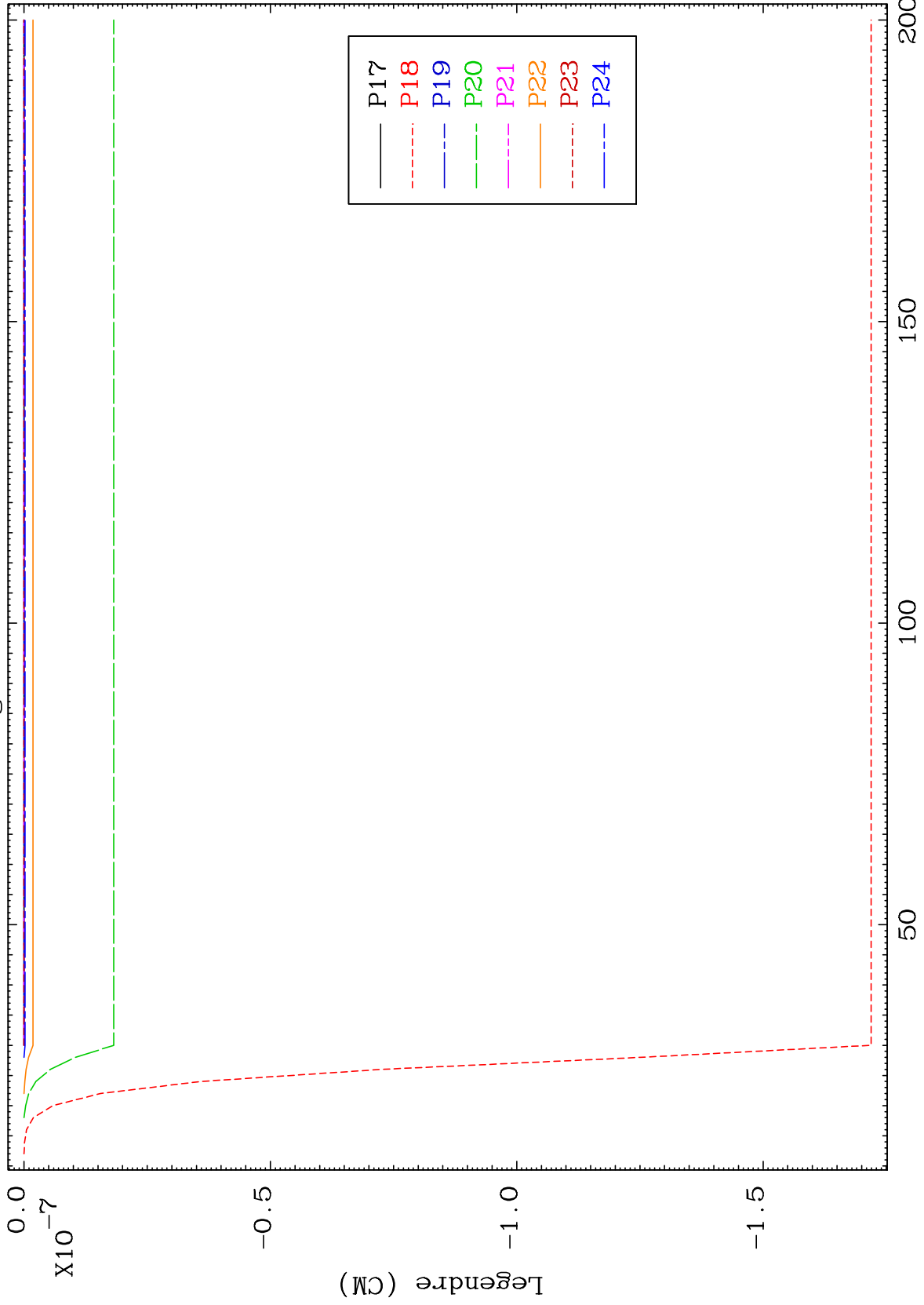
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



41-Nb-95

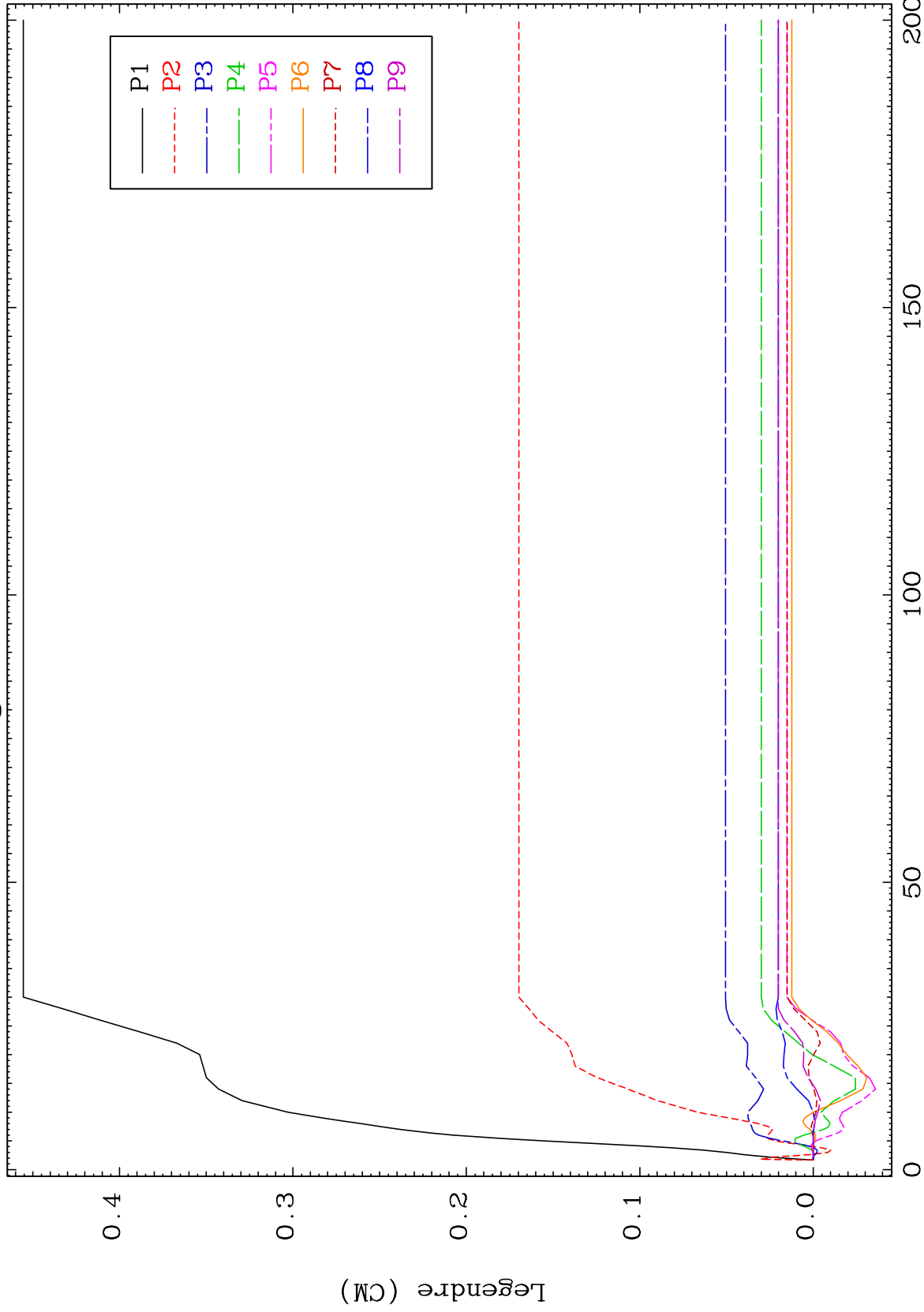
Incident Energy (MeV)

107

MAT 4131

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

41-Nb-95



108

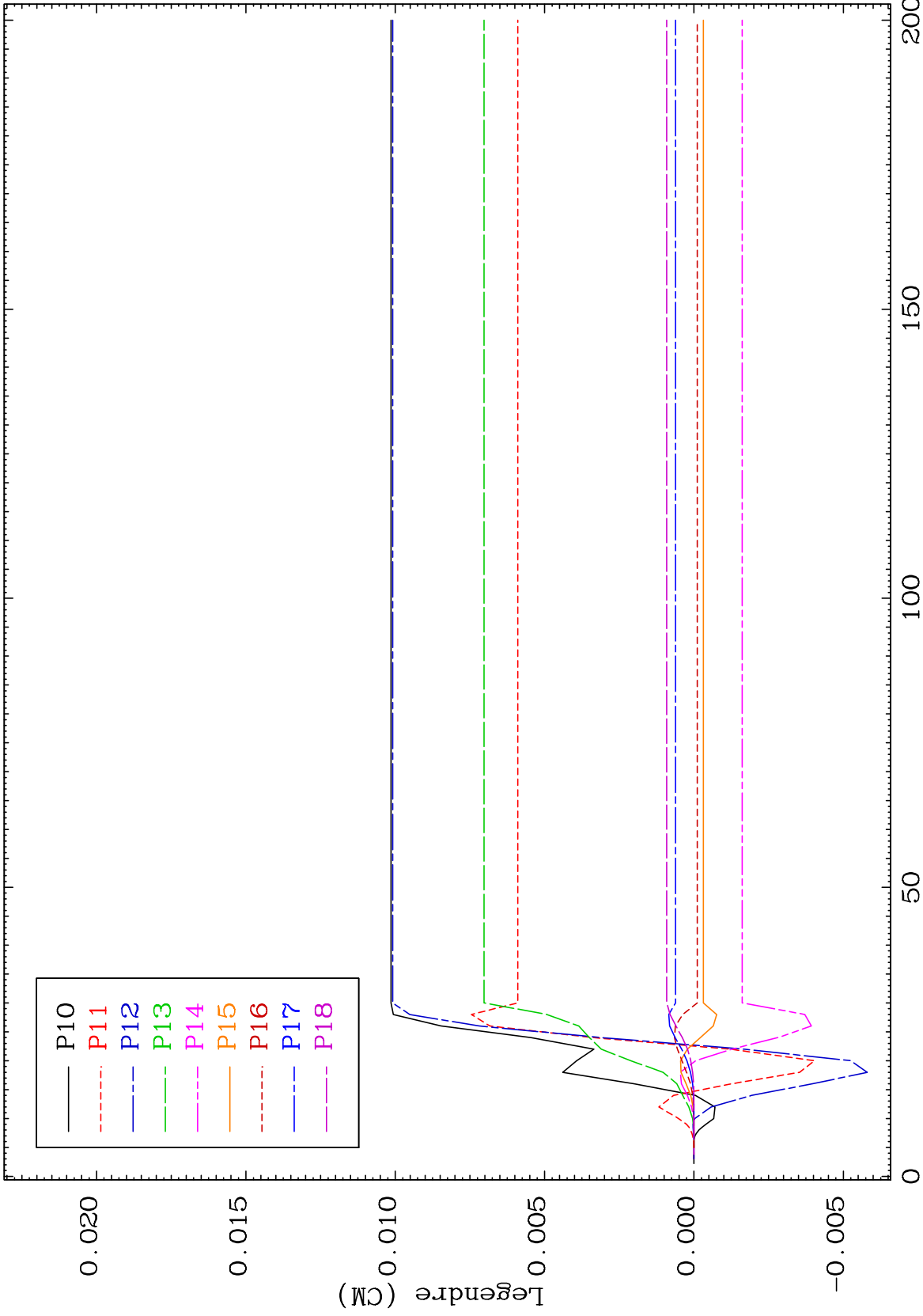
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



109

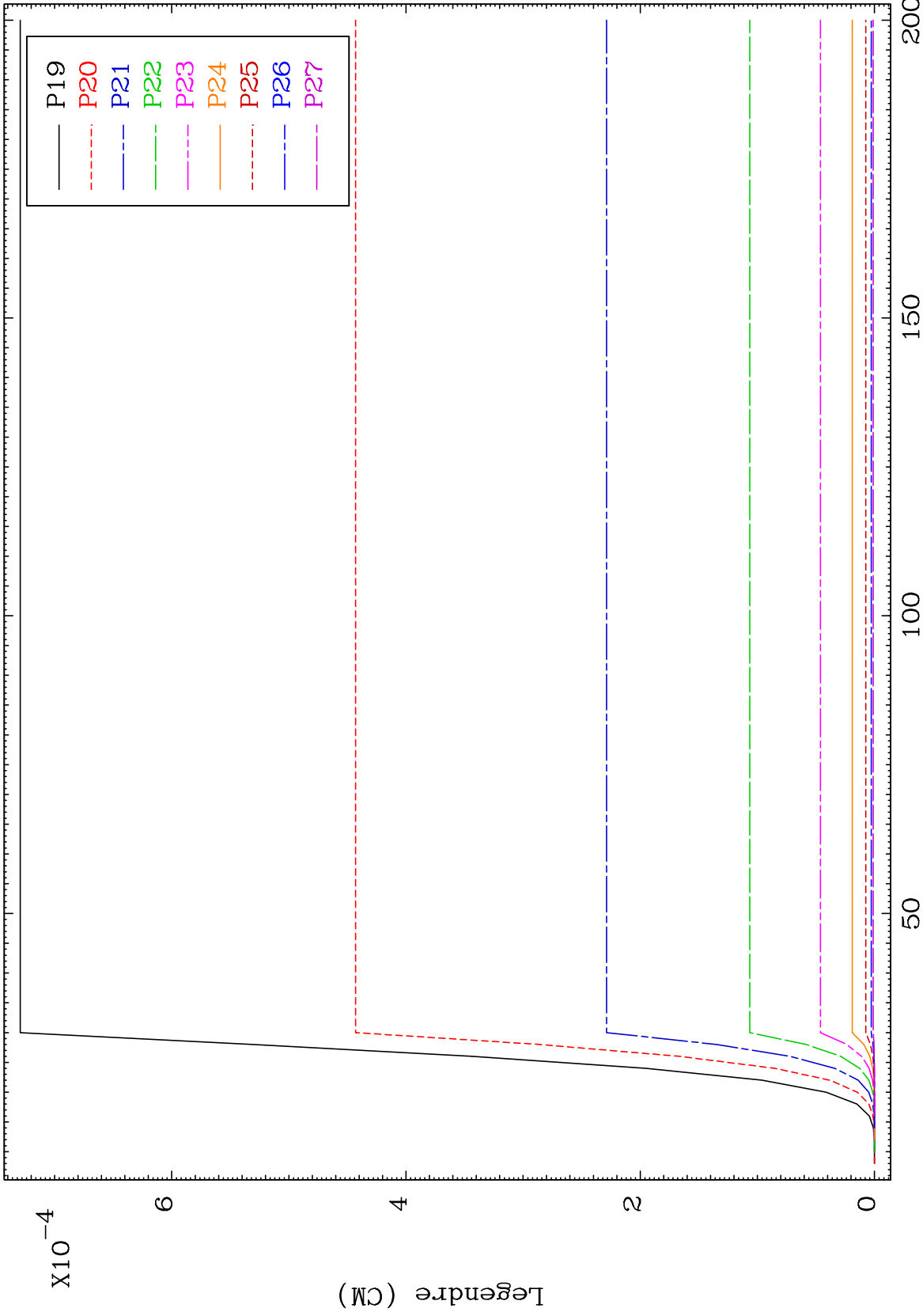
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



110

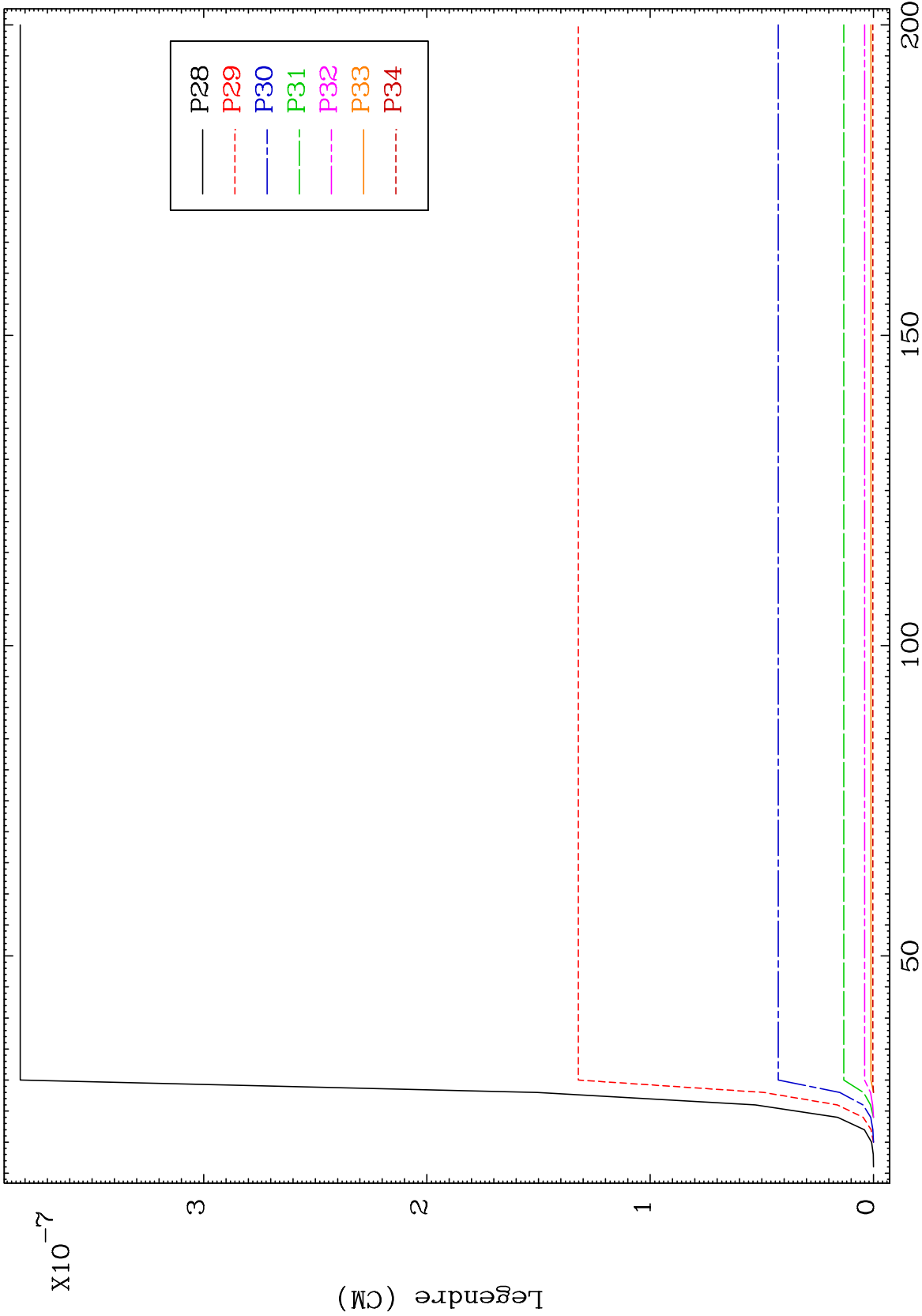
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



111

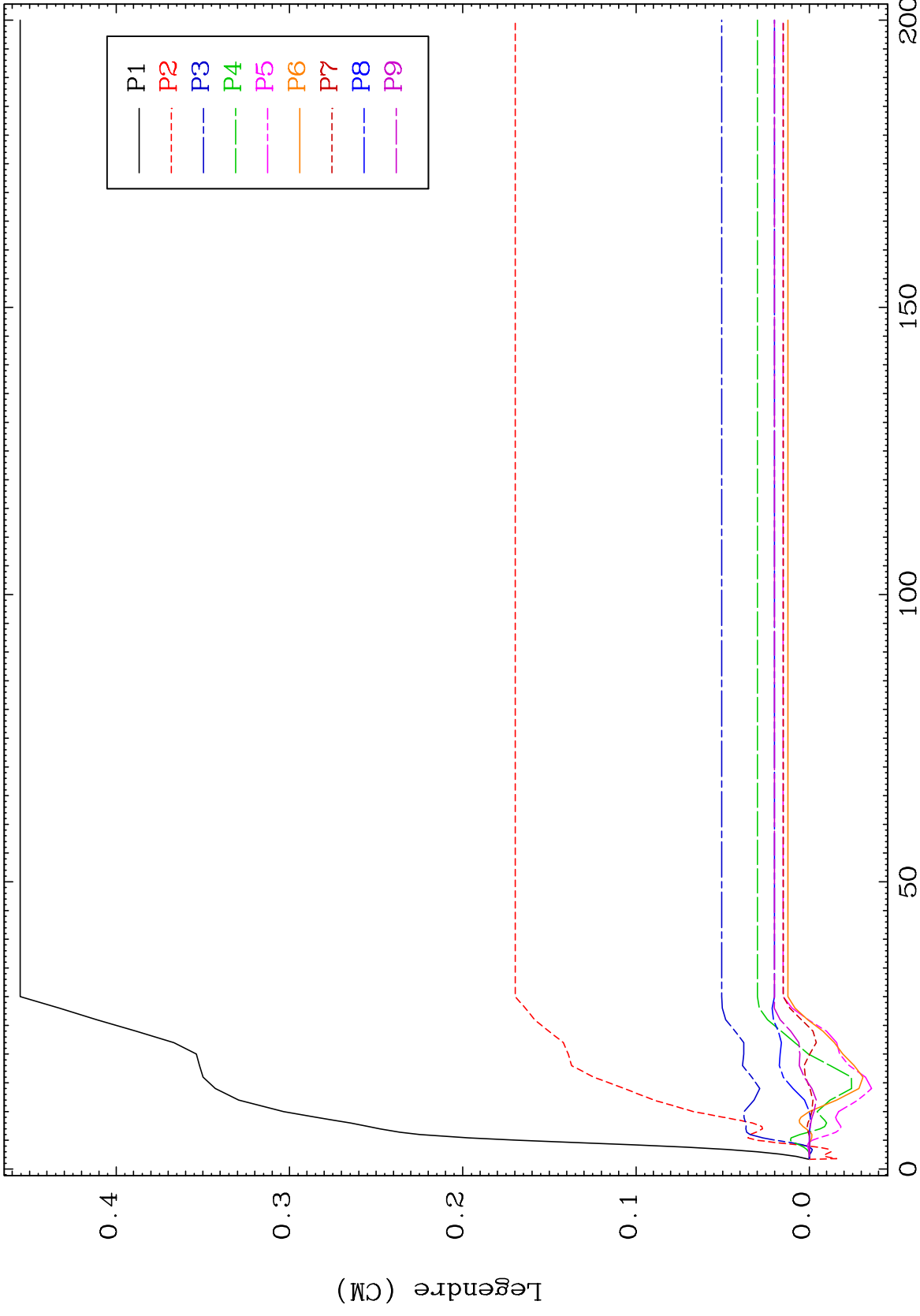
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



112

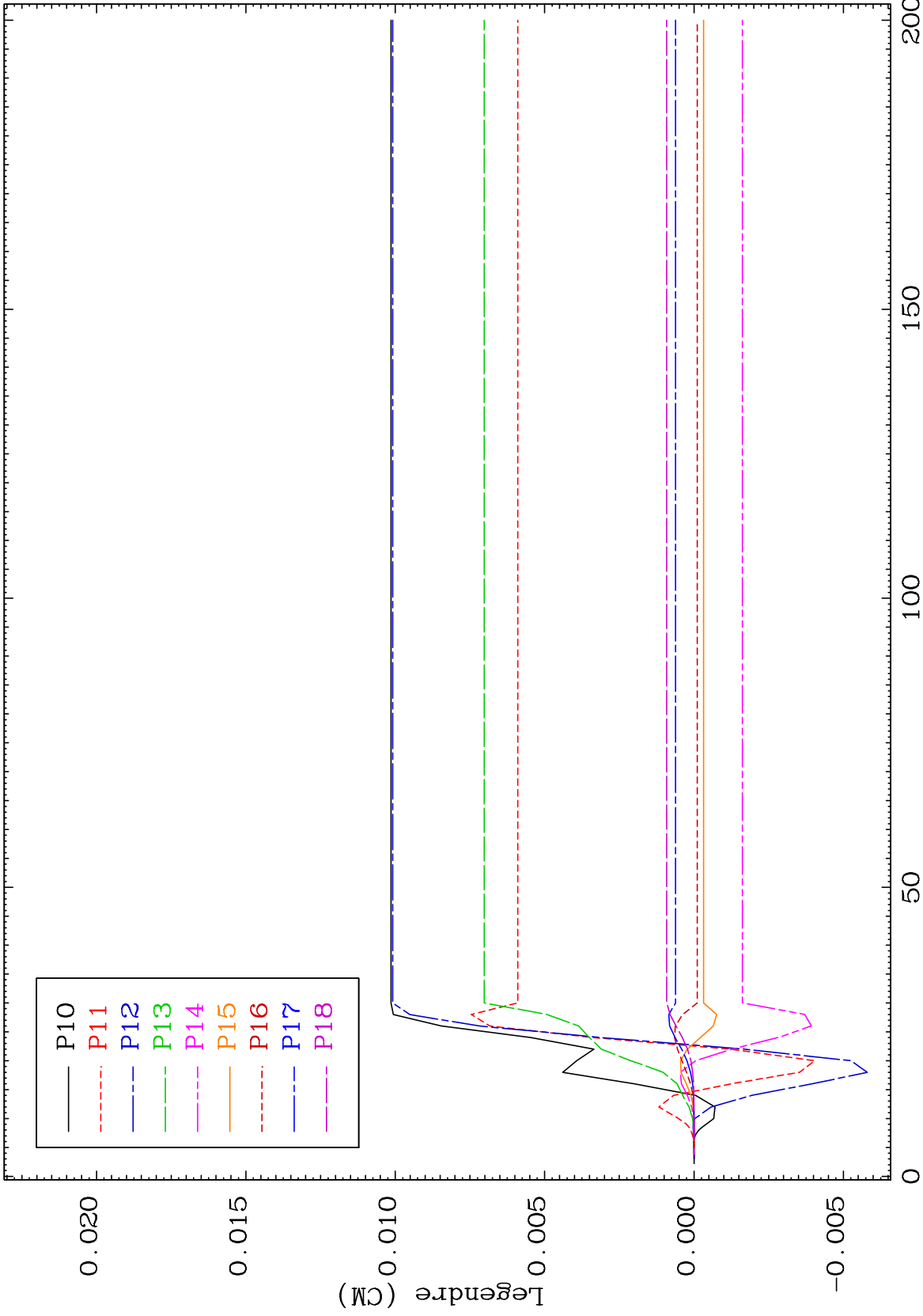
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



113

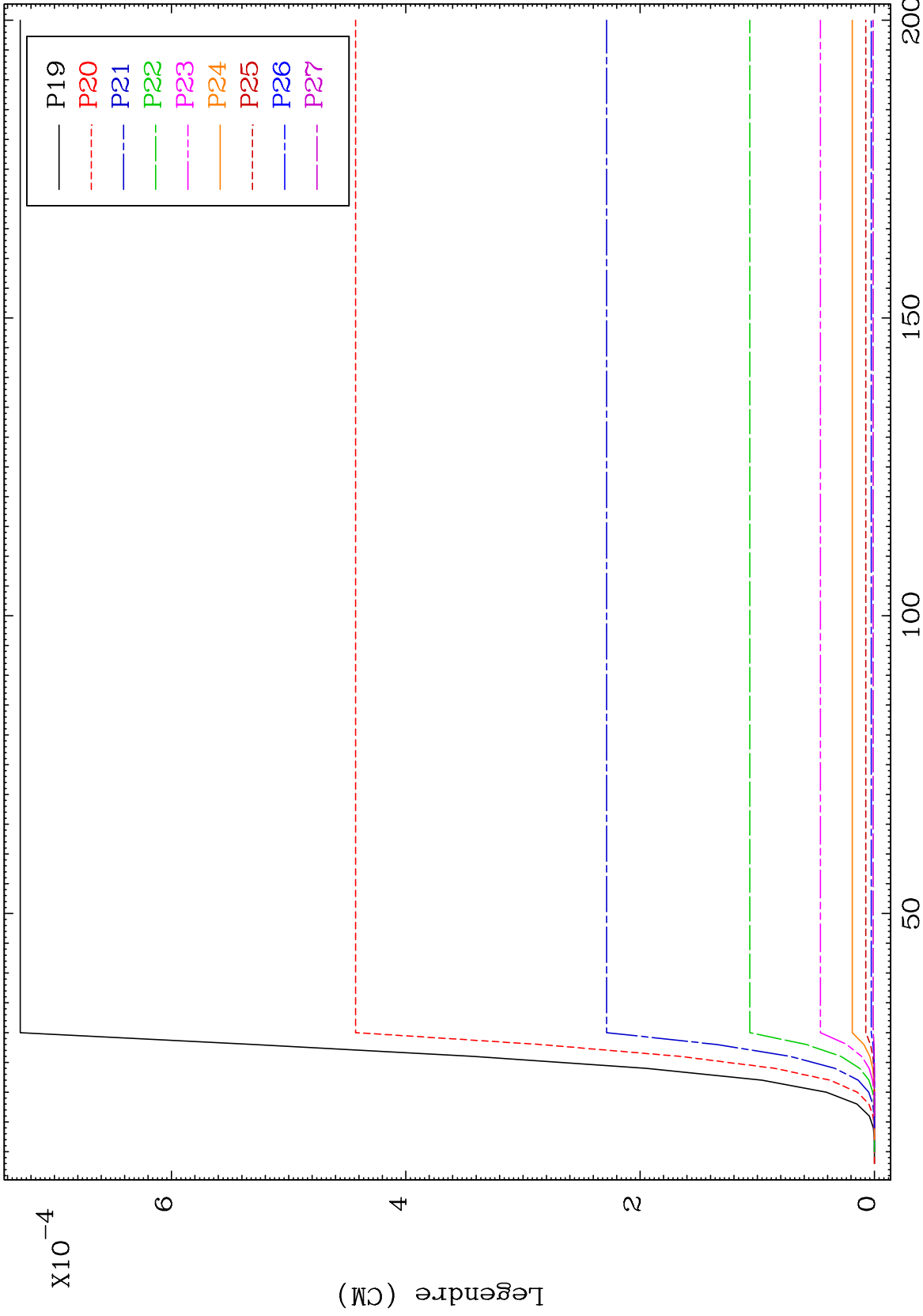
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



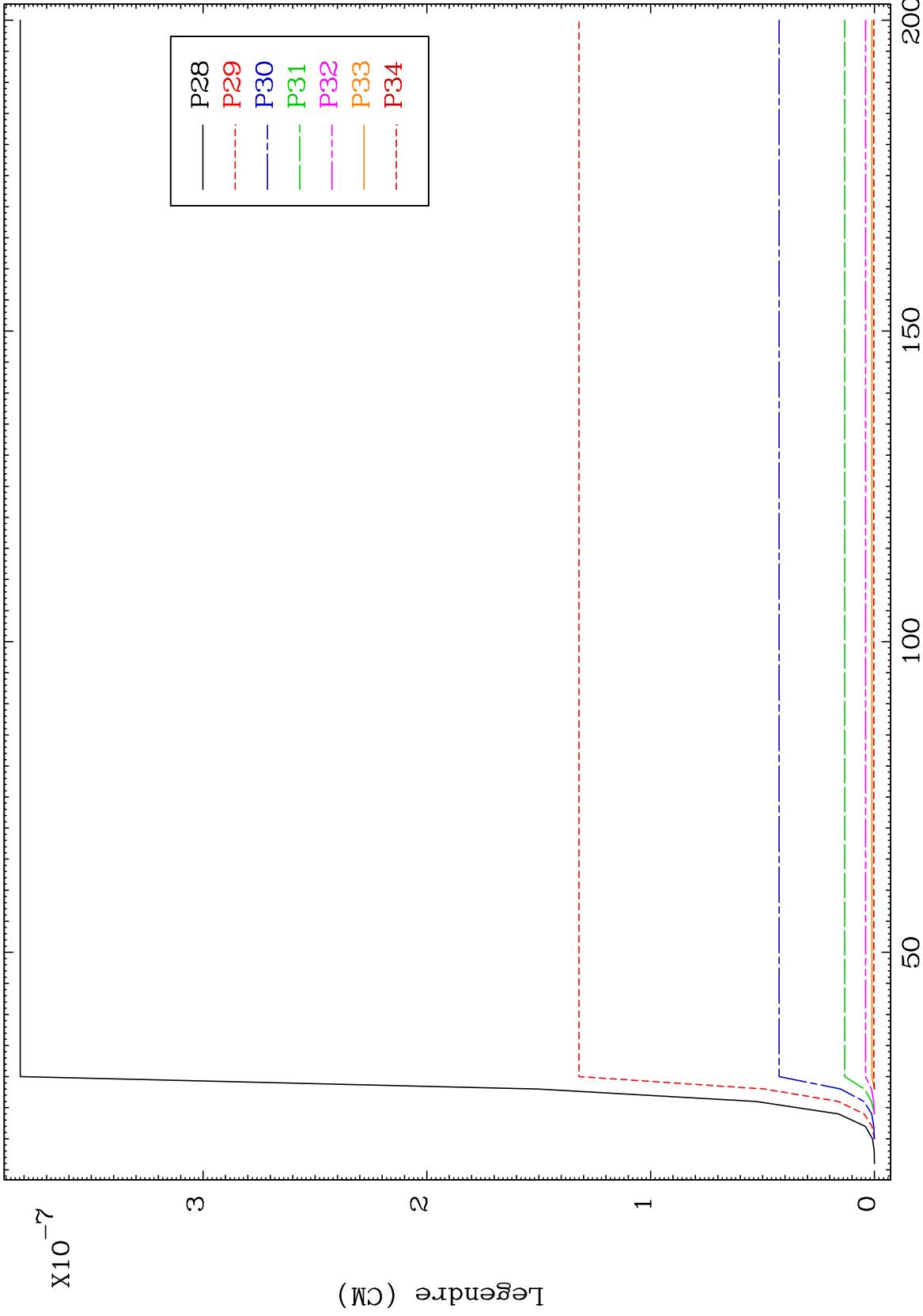
114

41-Nb-95

MAT 4131

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

41-Nb-95



115

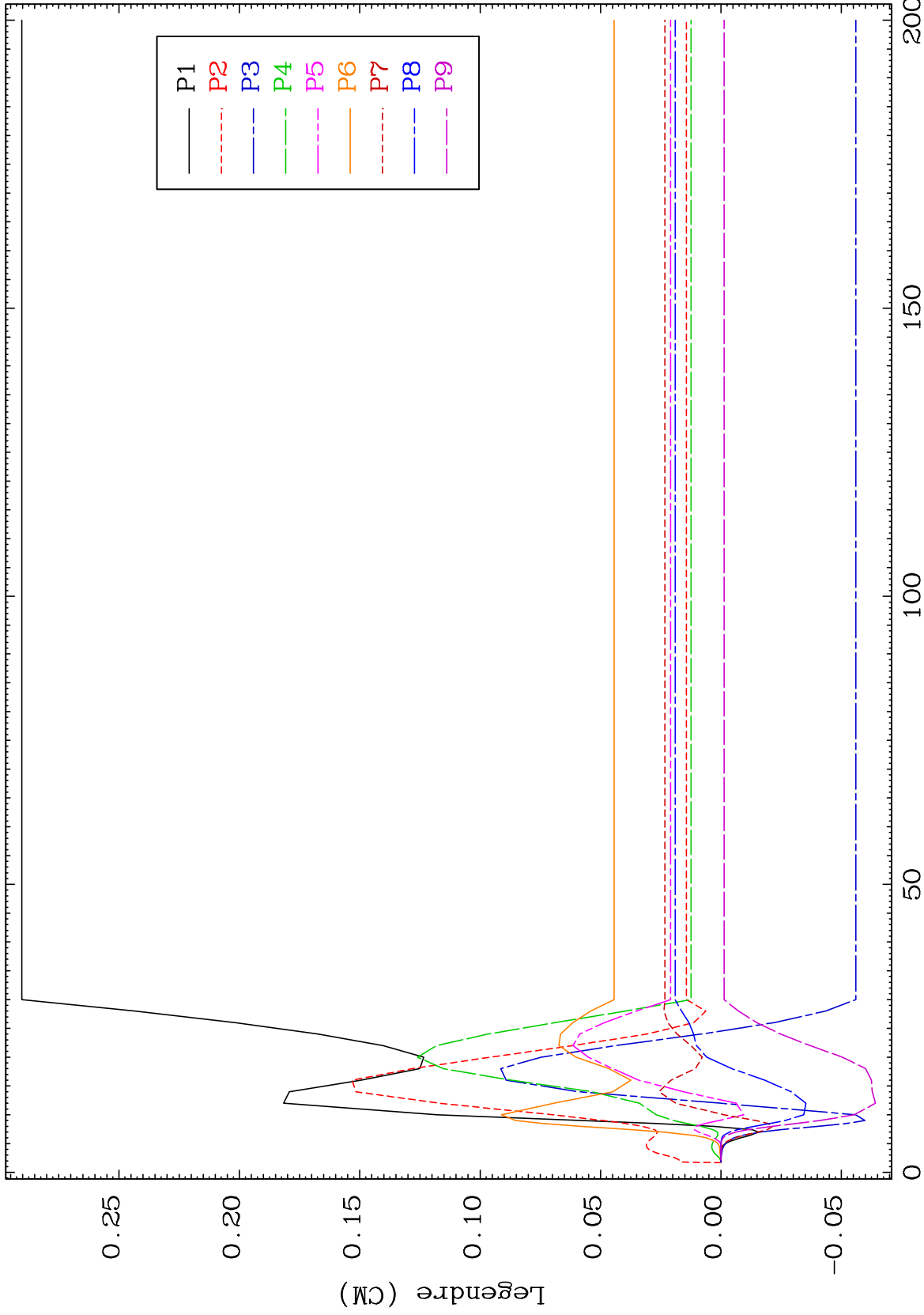
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



116

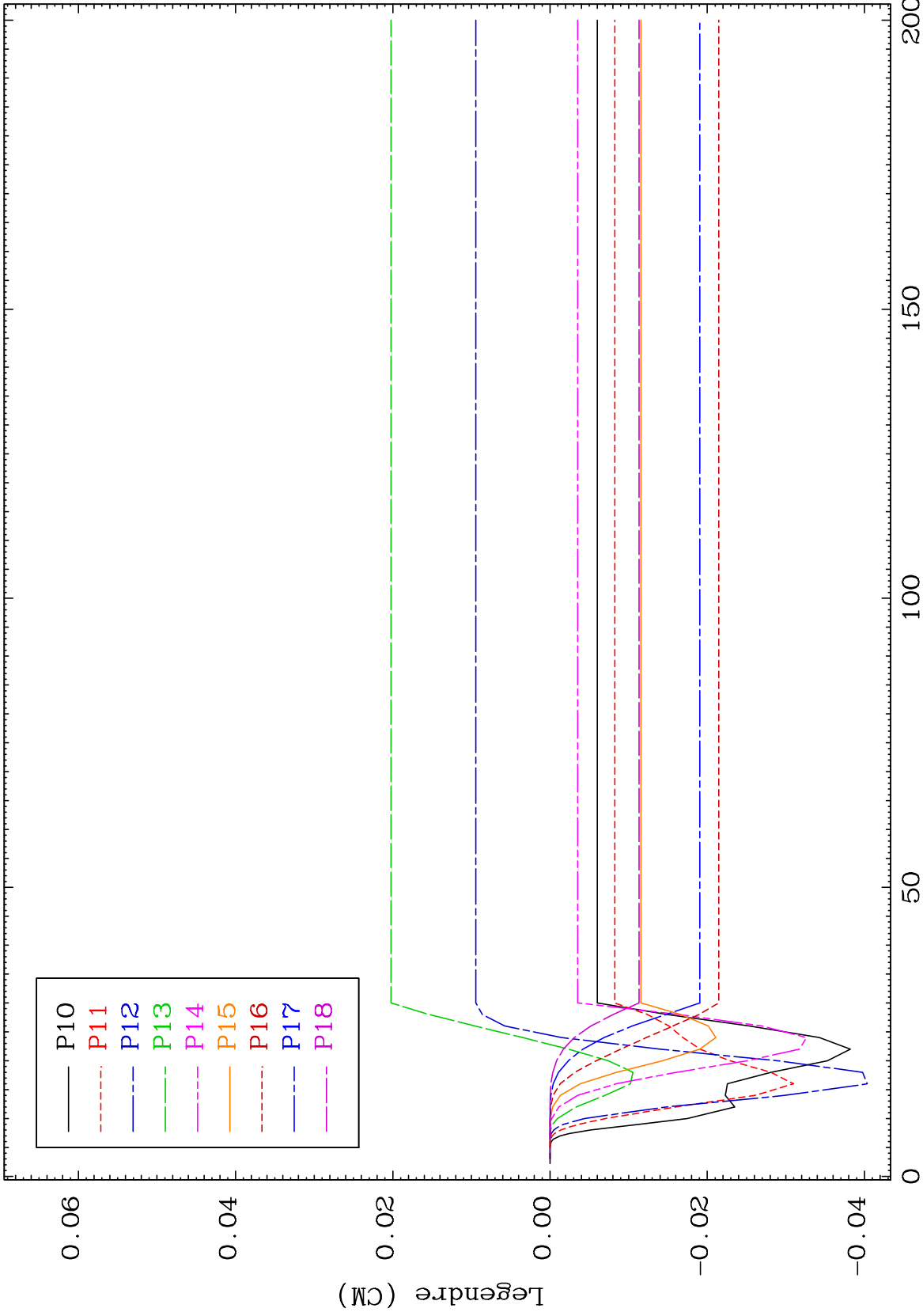
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

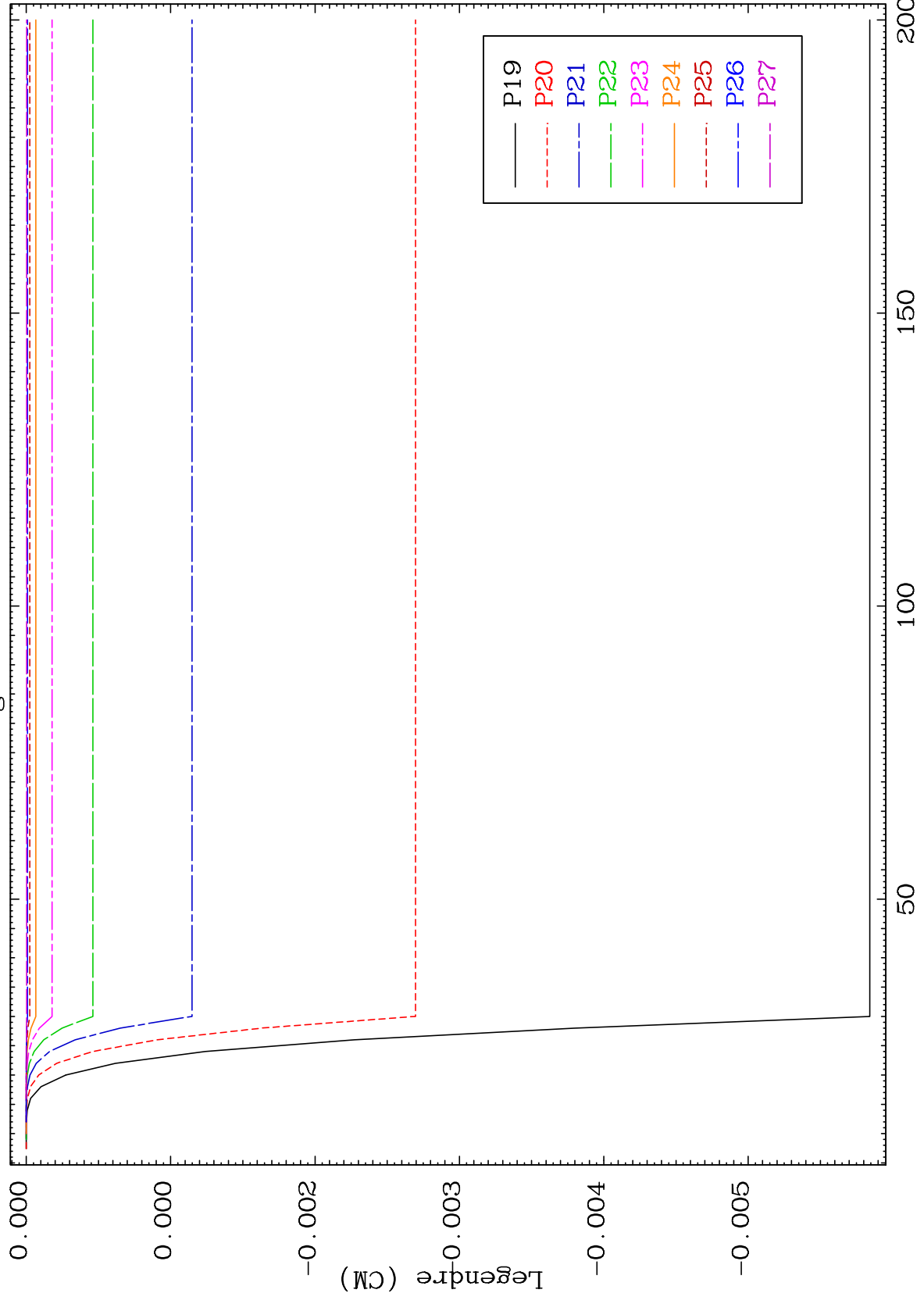
41-Nb-95



117

Incident Energy (MeV)

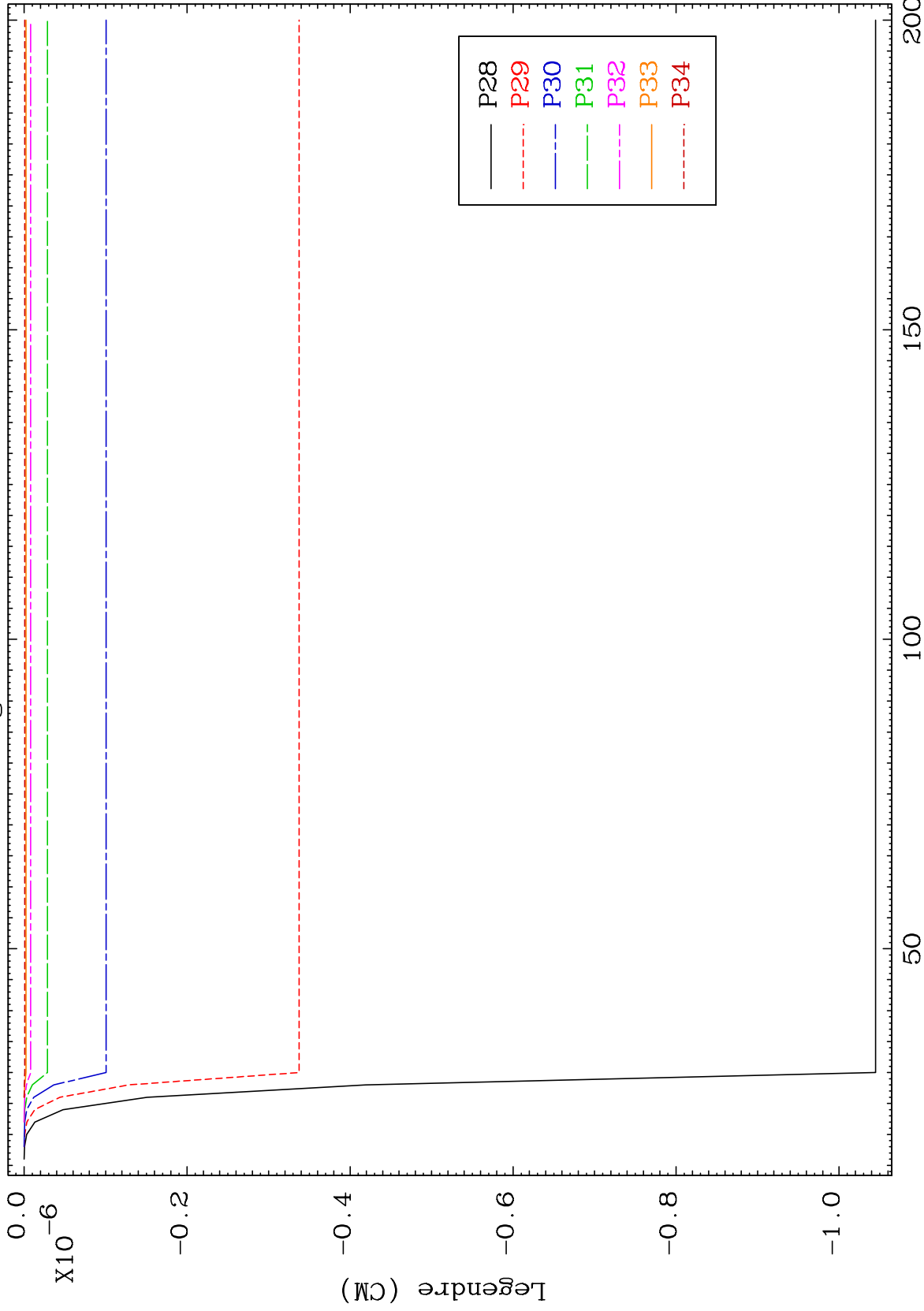
41-Nb-95



MAT 4131

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

41-Nb-95



41-Nb-95

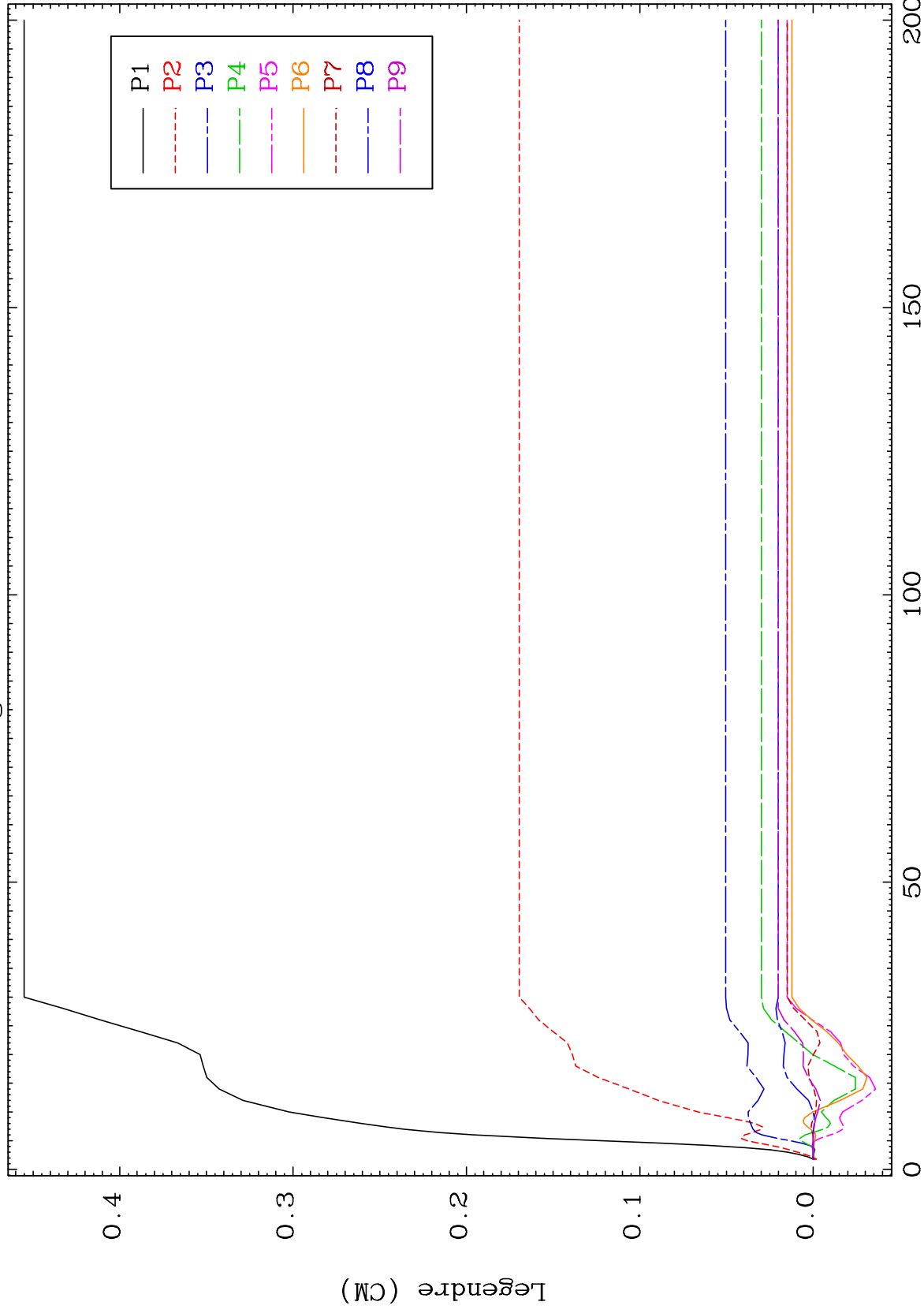
Incident Energy (MeV)

119

MAT 4131

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

41-Nb-95



41-Nb-95

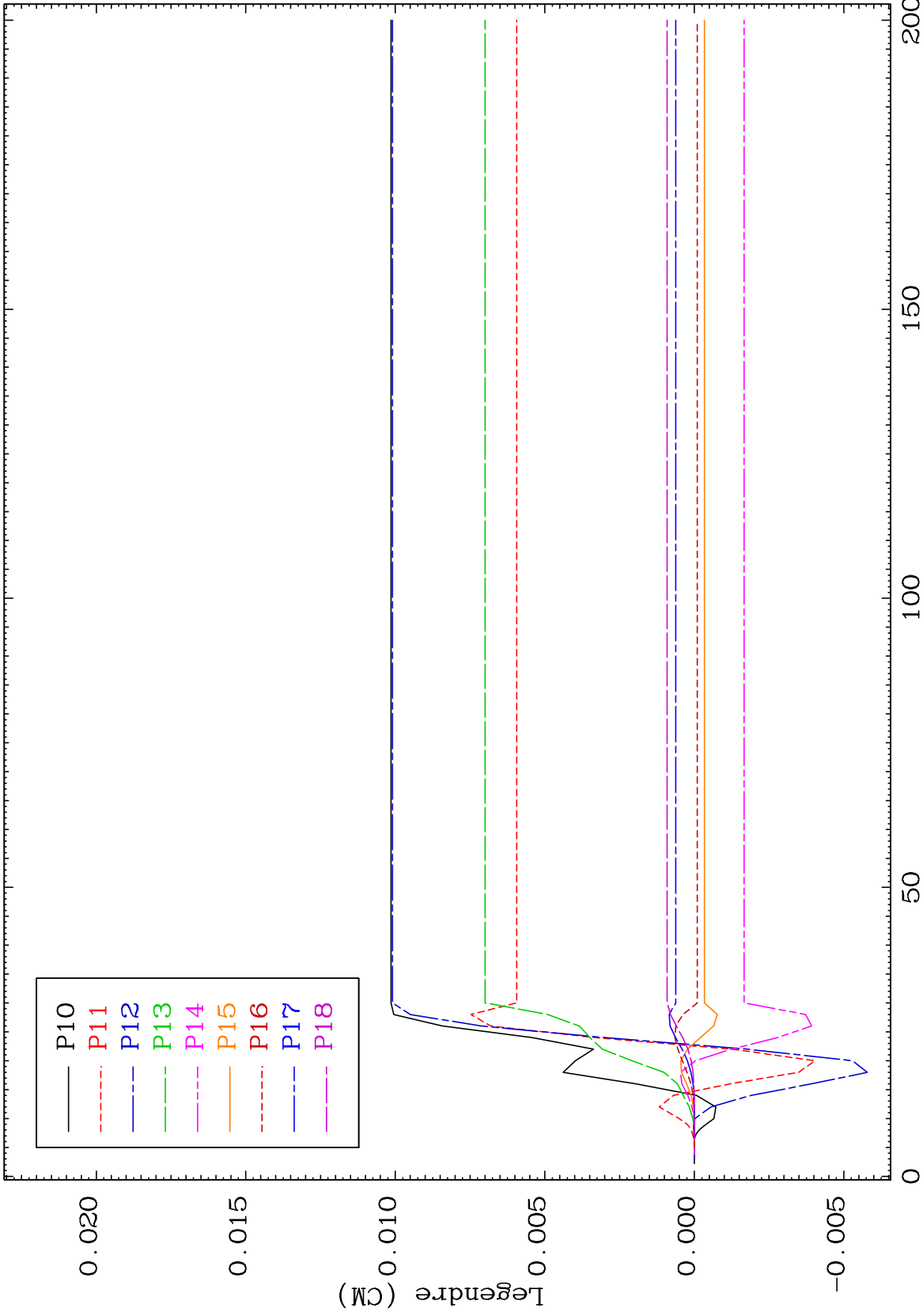
Incident Energy (MeV)

120

MAT 4131

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

41-Nb-95



121

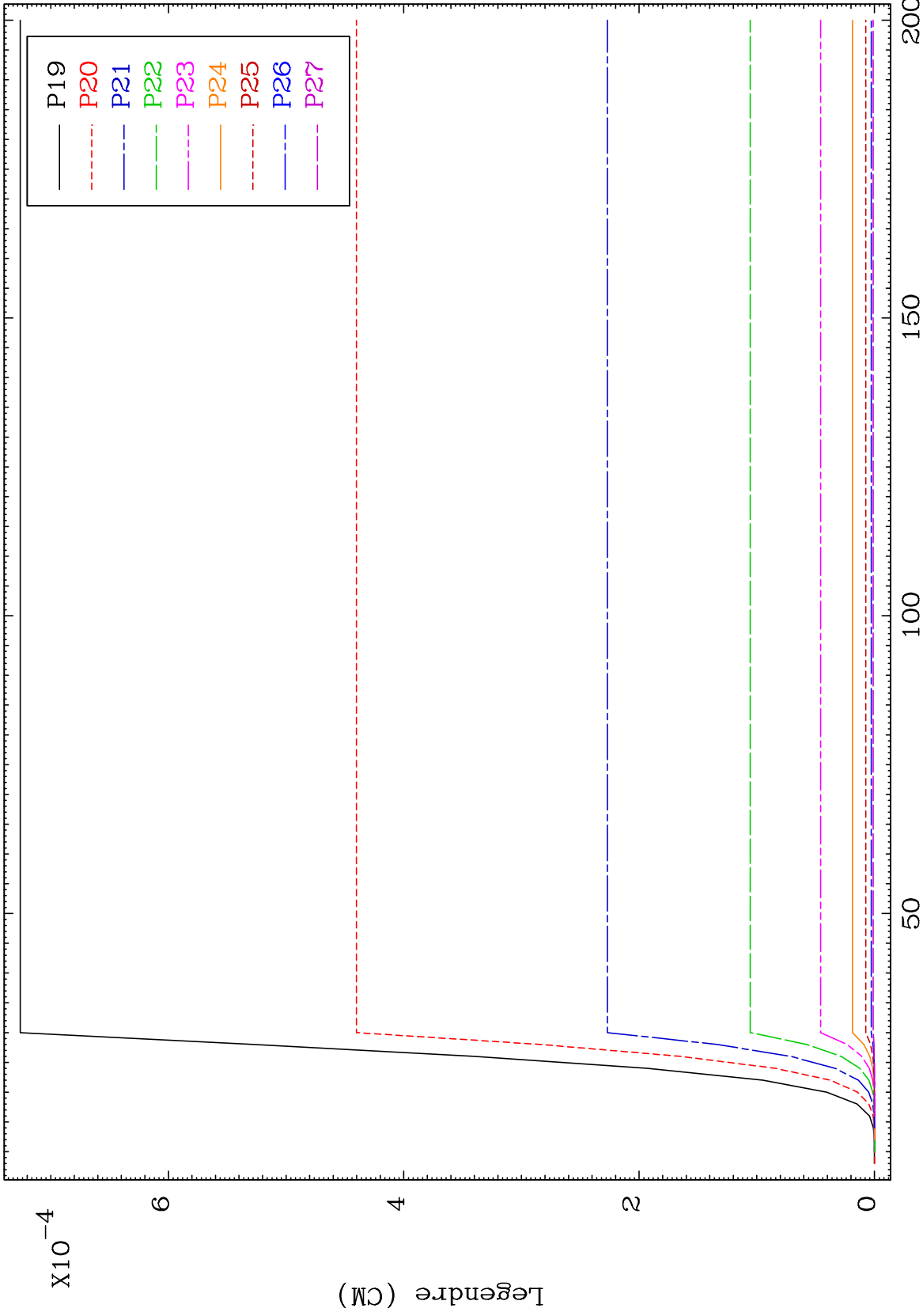
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



122

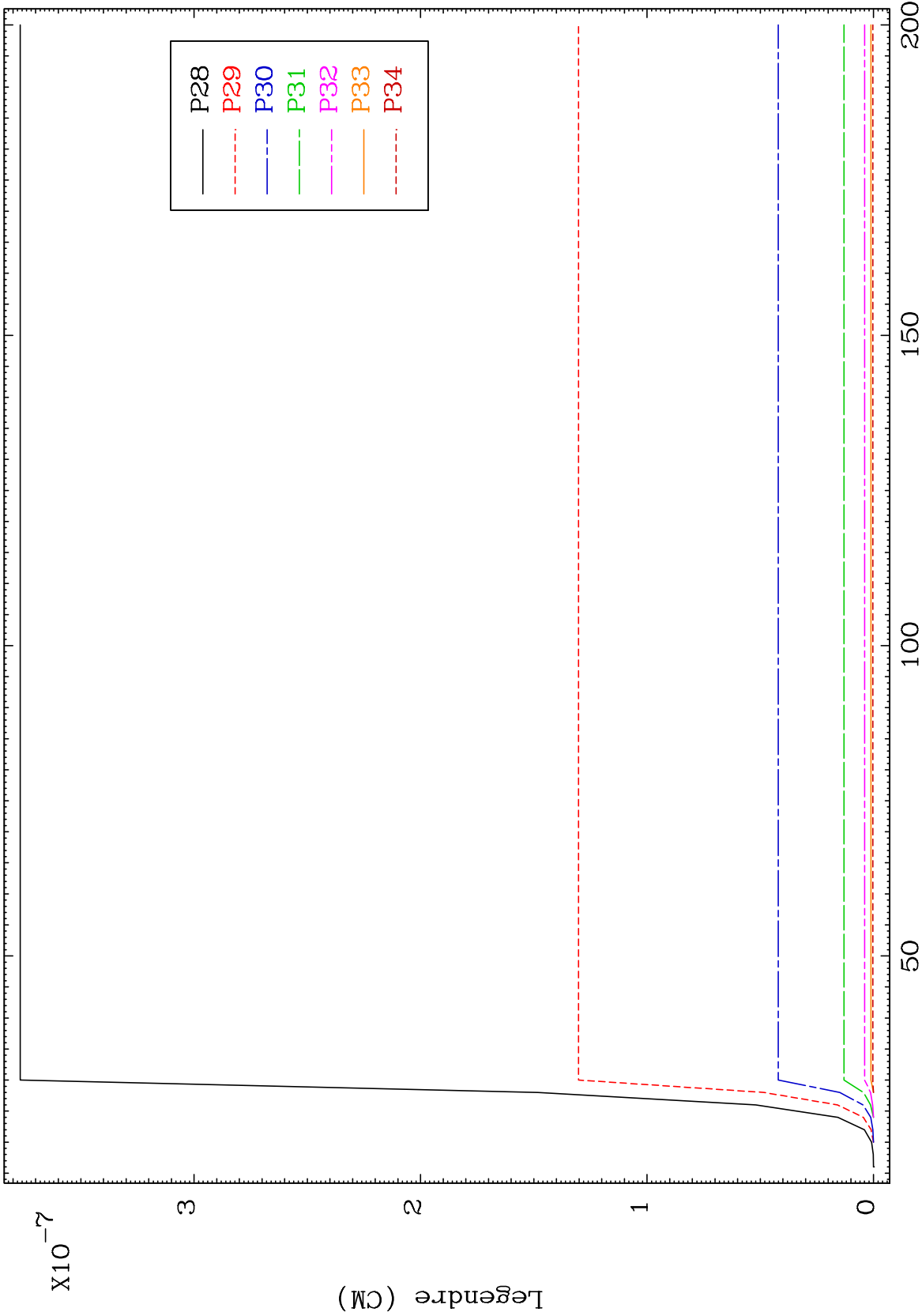
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

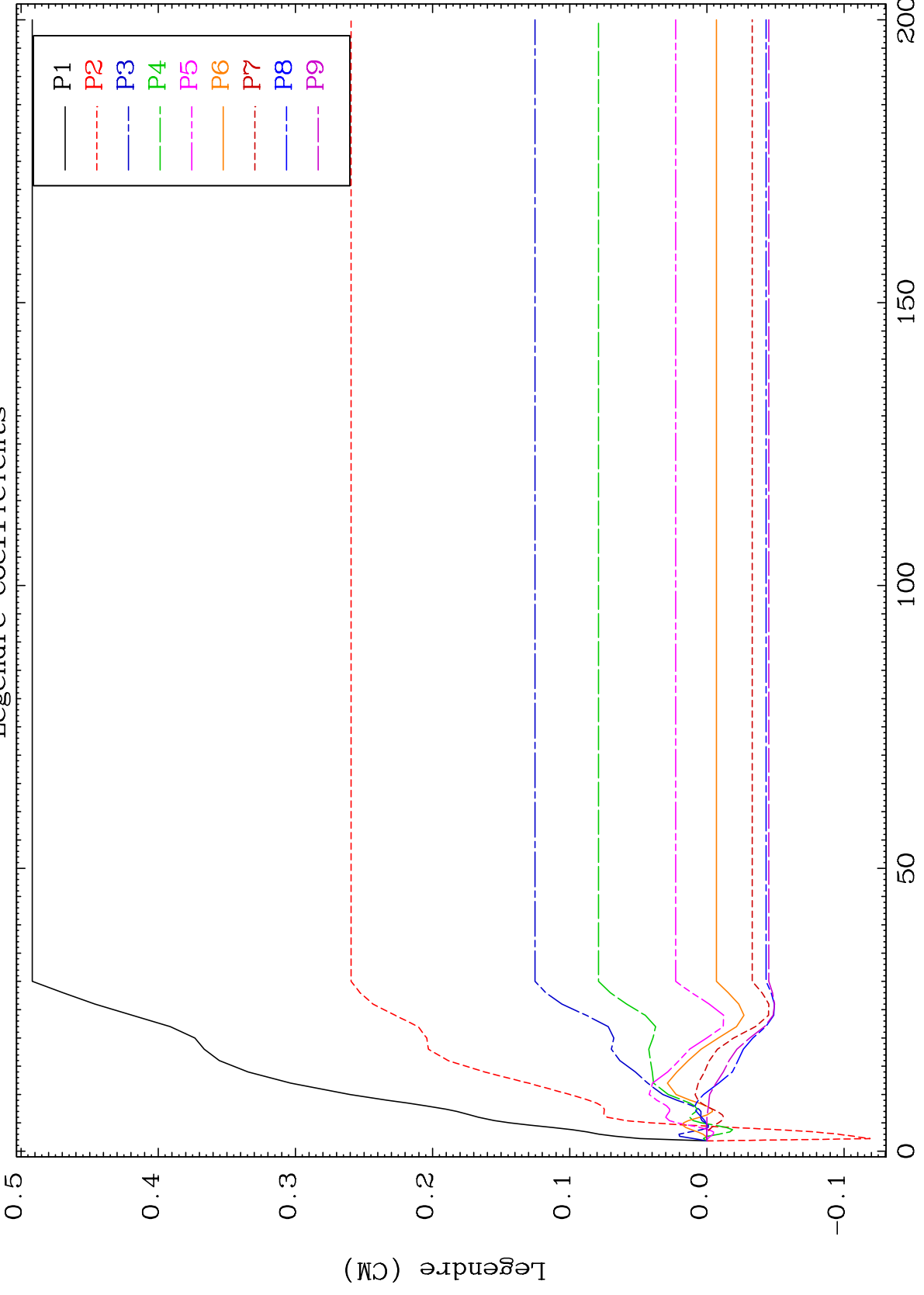
41-Nb-95



123

41-Nb-95

MAT 4131 MT= 79 (n,n') Level Legendre Coefficients 41-Nb-95

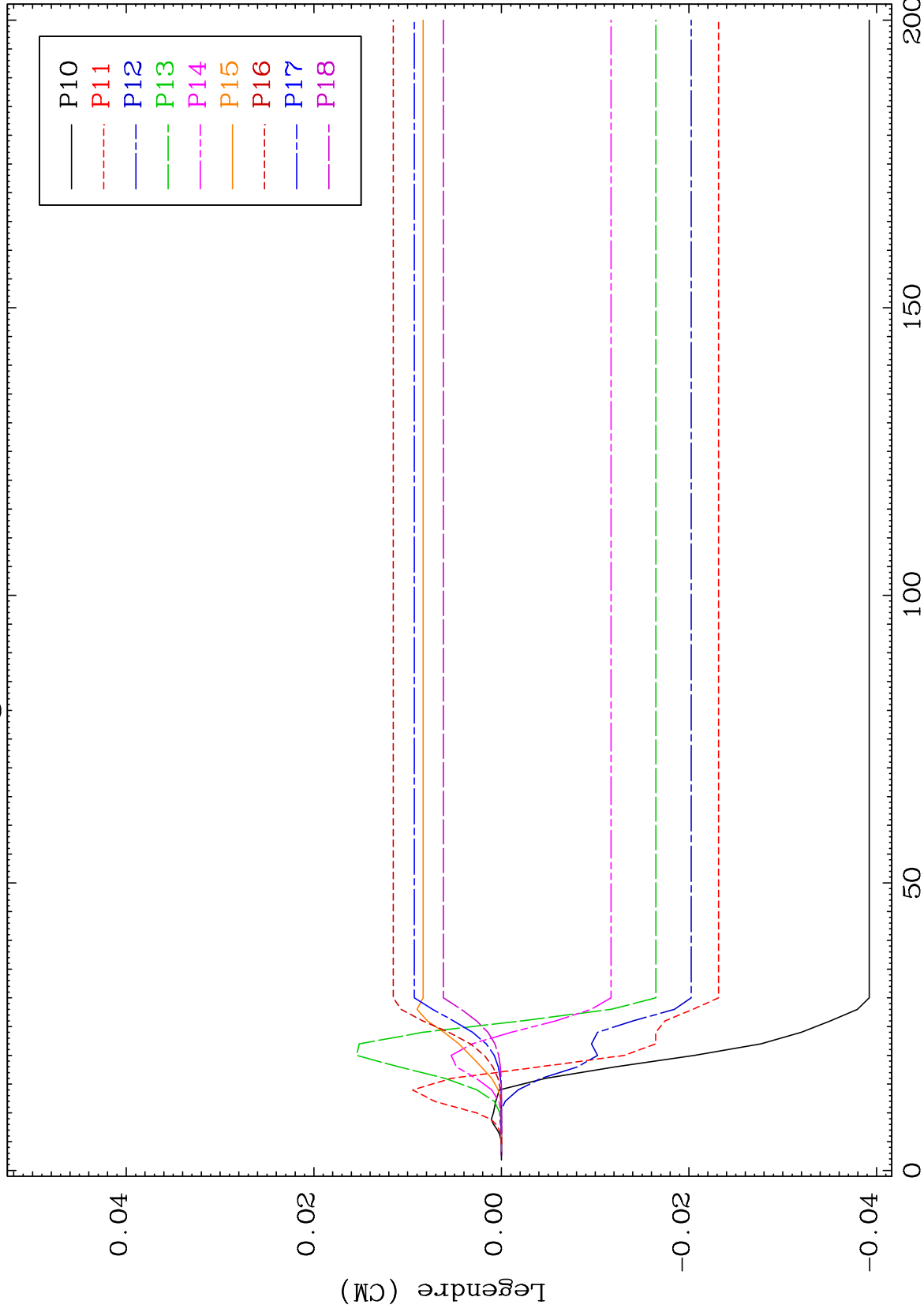


124 41-Nb-95

MAT 4131

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

41-Nb-95



125

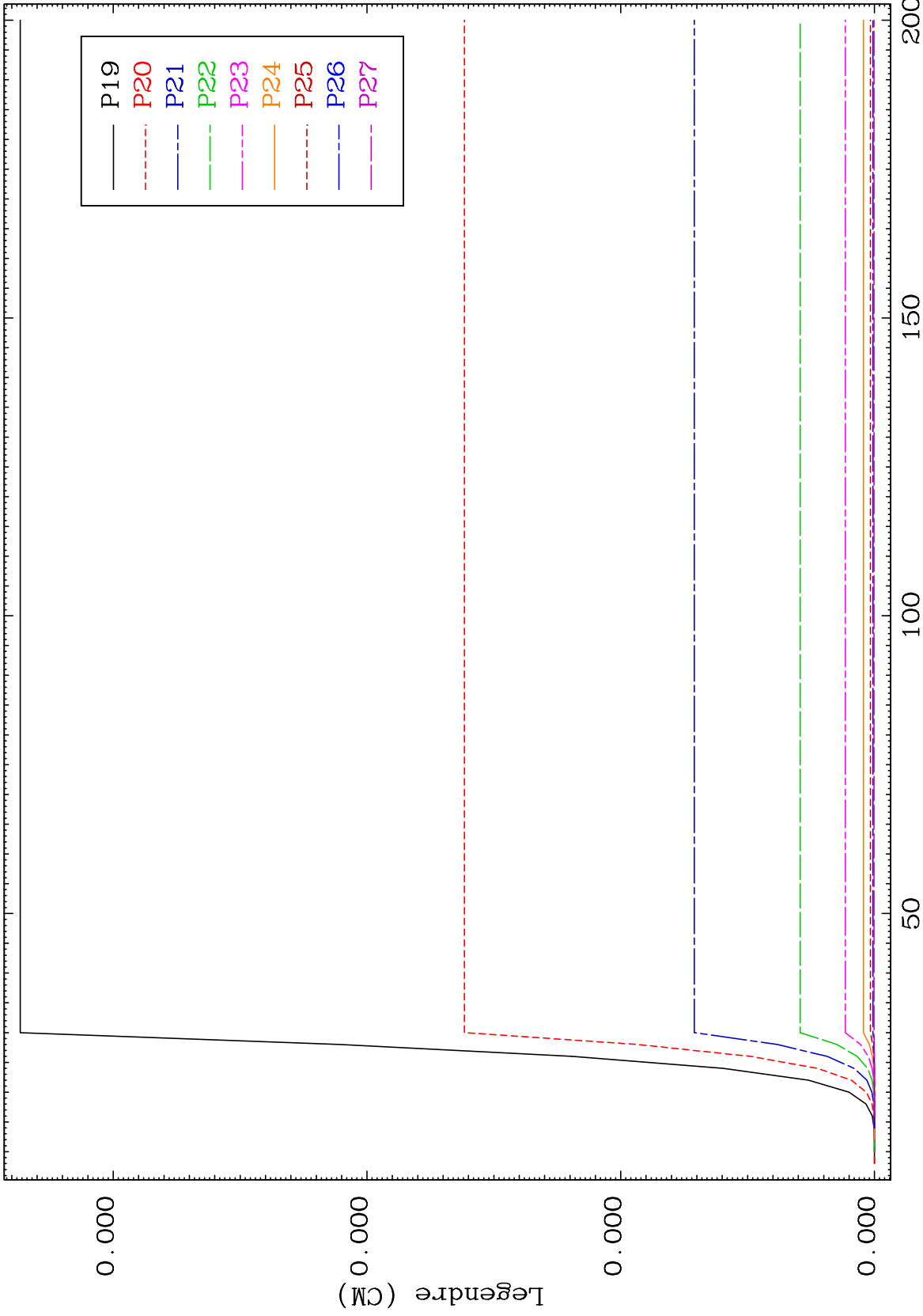
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



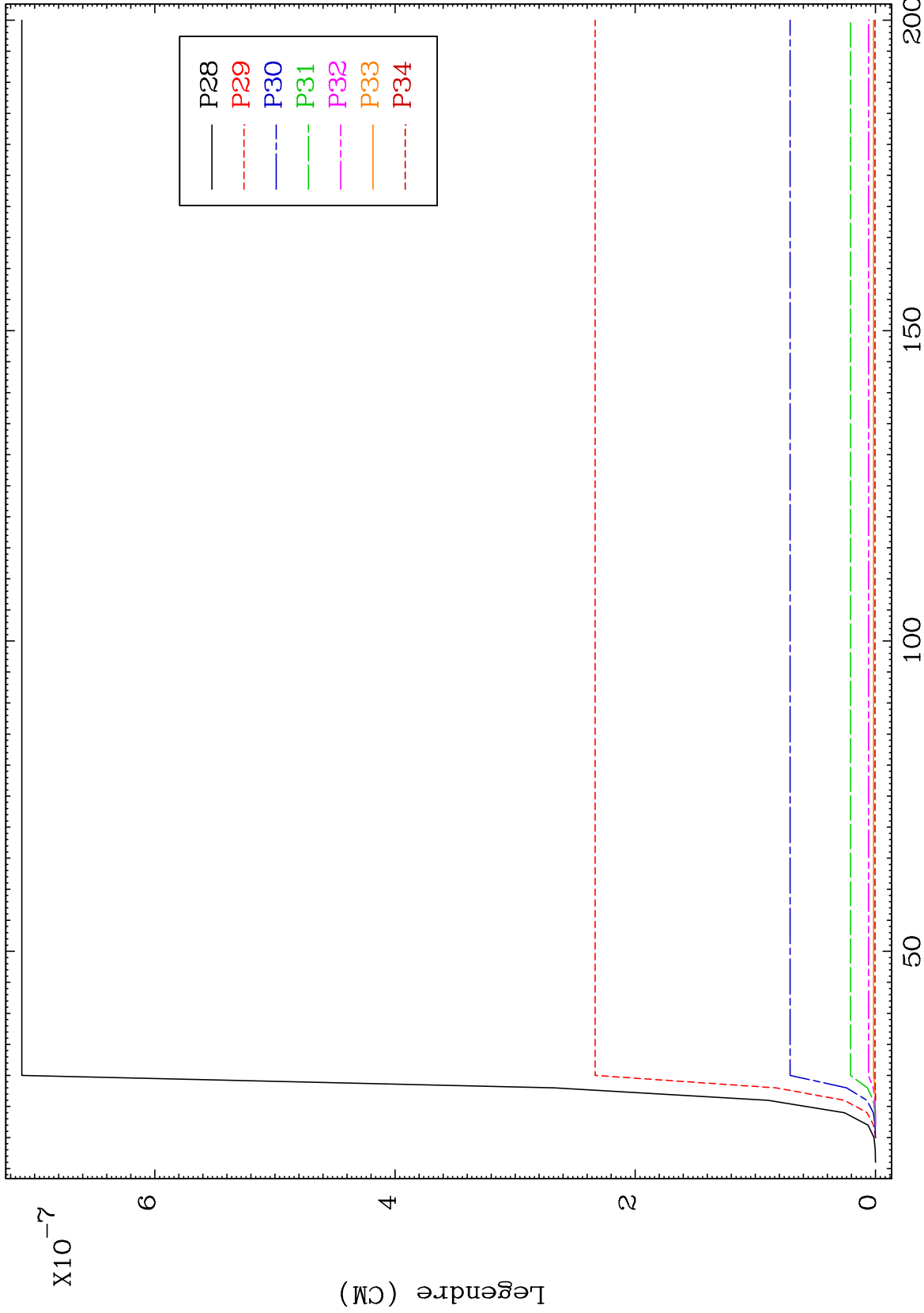
126

41-Nb-95

MAT 4131

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

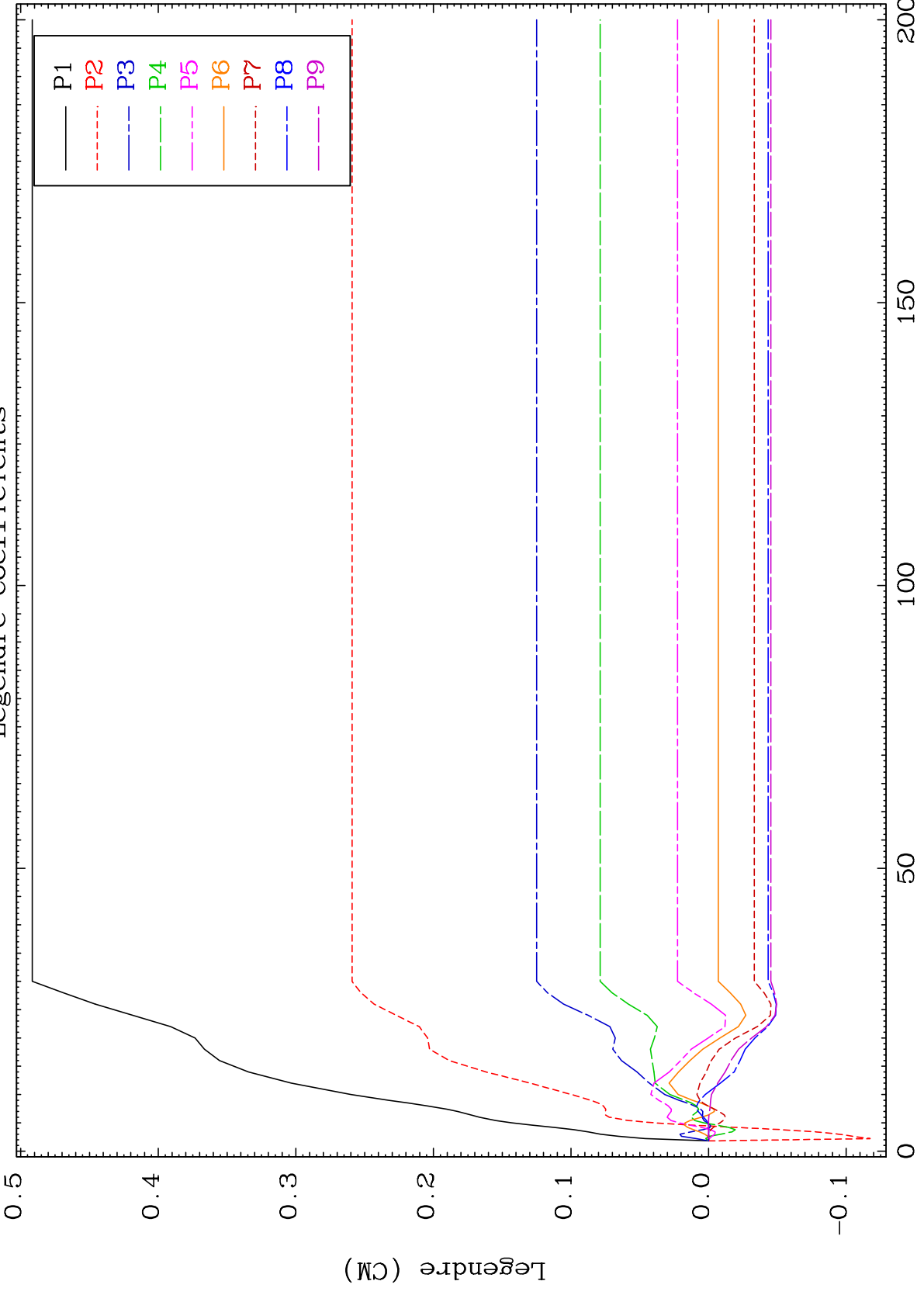
41-Nb-95



127

41-Nb-95

MAT 4131 MT= 80 (n,n') Level Legendre Coefficients 41-Nb-95

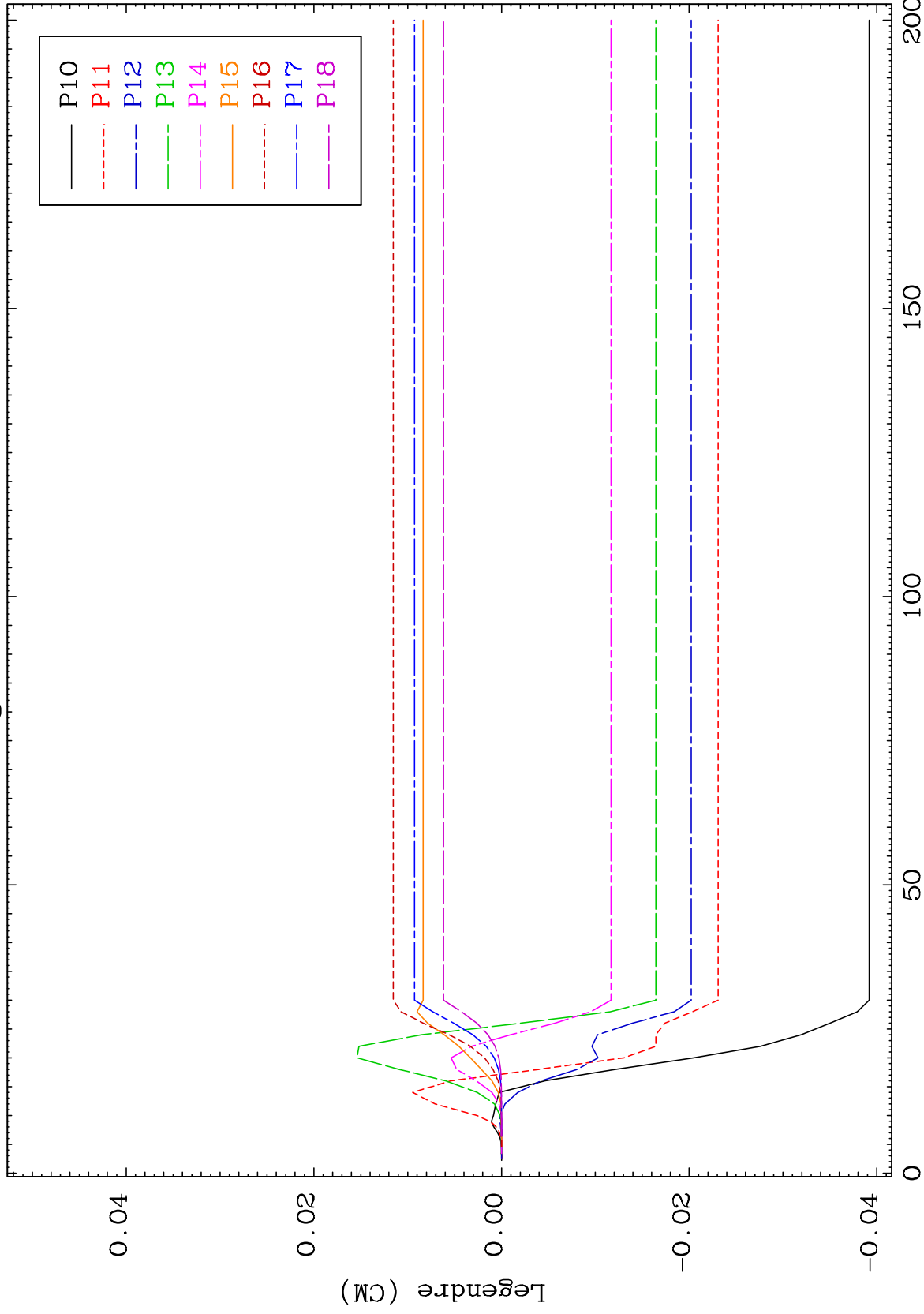


128 Incident Energy (MeV) 41-Nb-95

MAT 4131

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

41-Nb-95



129

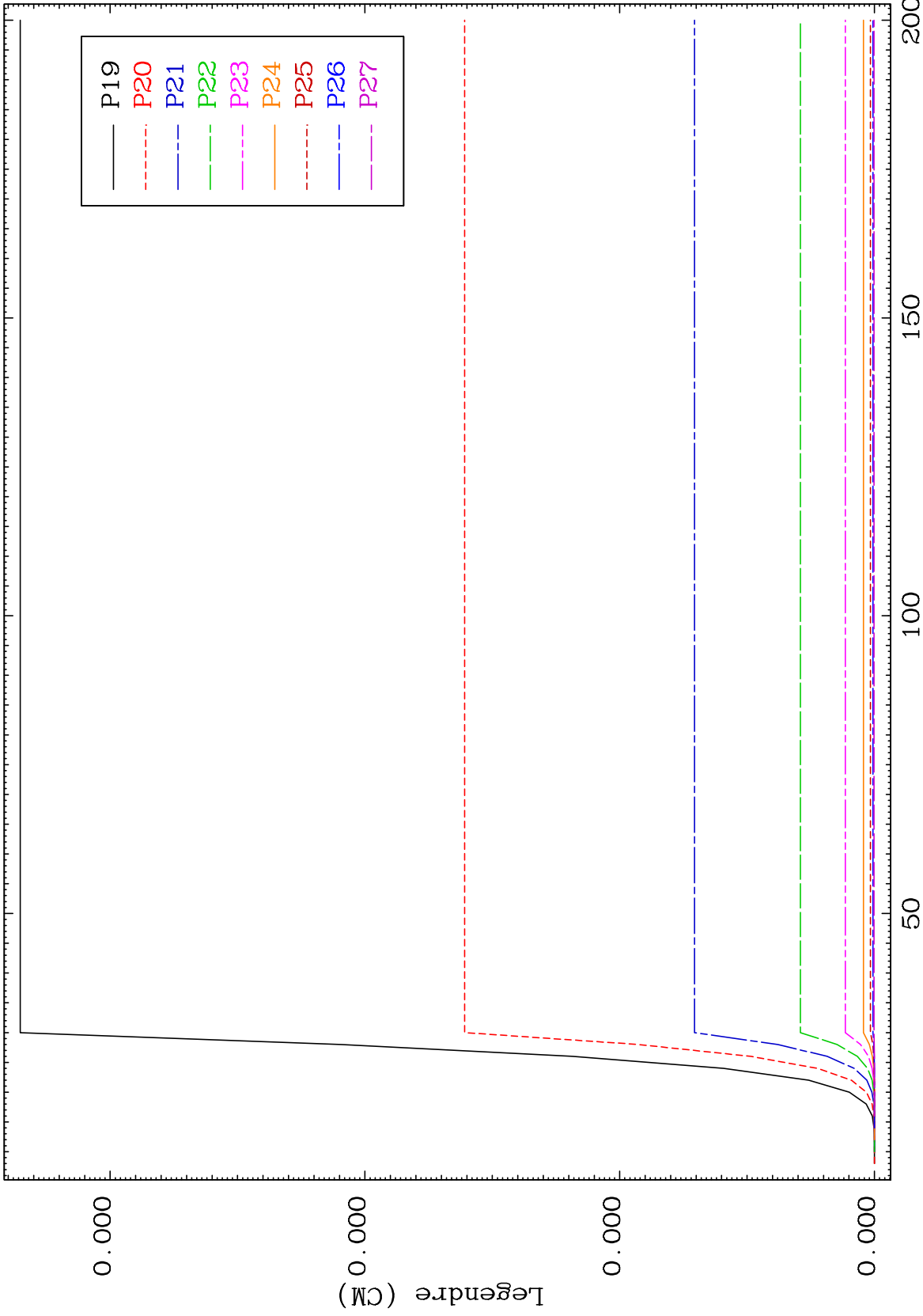
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



130

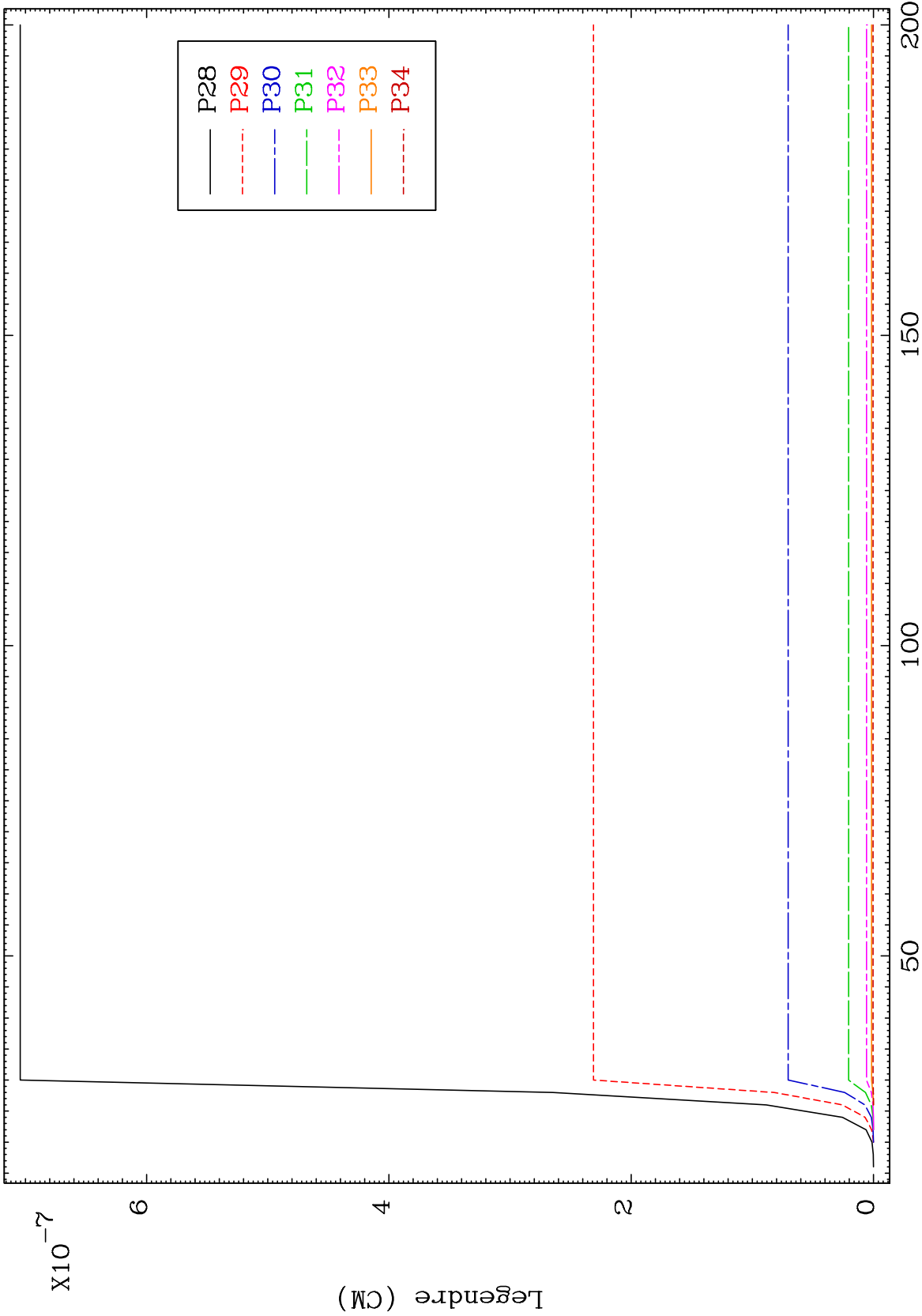
Incident Energy (MeV)

41-Nb-95

MAT 4131

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

41-Nb-95



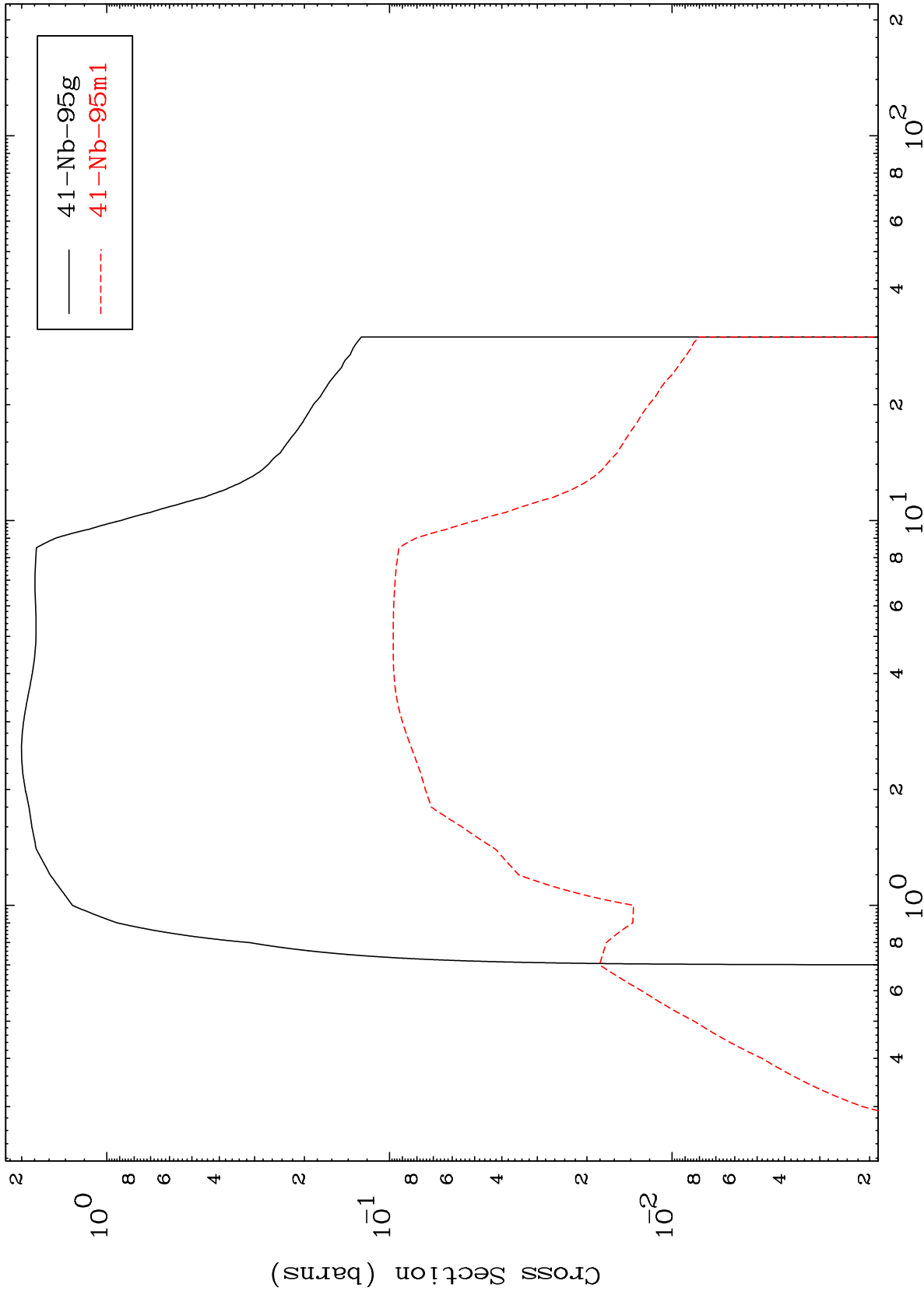
131

41-Nb-95

MAT 4131

41-Nb-95

Inelastic Radionuclide Production Cross Section



132

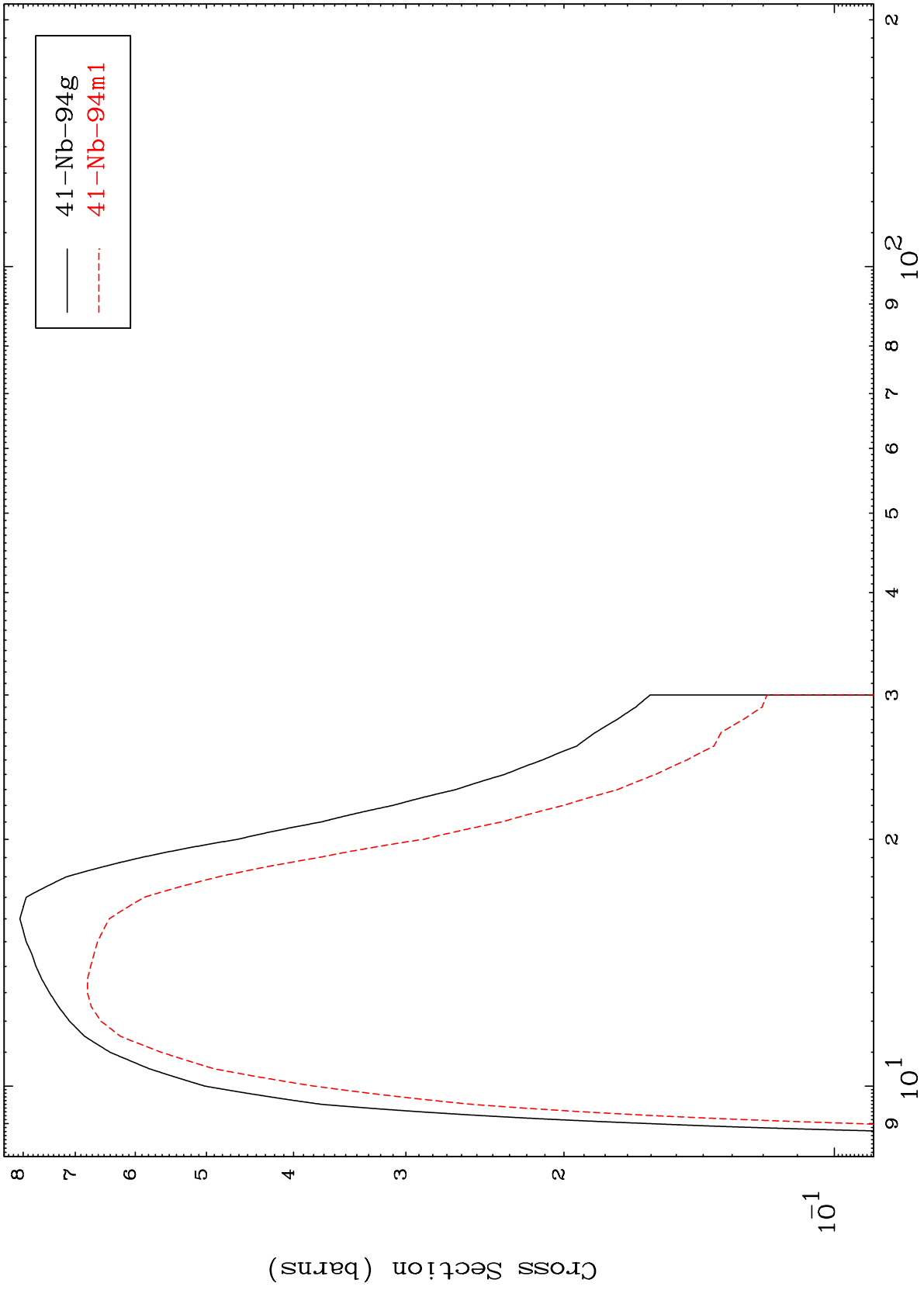
41-Nb-95

MAT 4131

(n,2n)

41-Nb-95

Radionuclide Production Cross Section



133

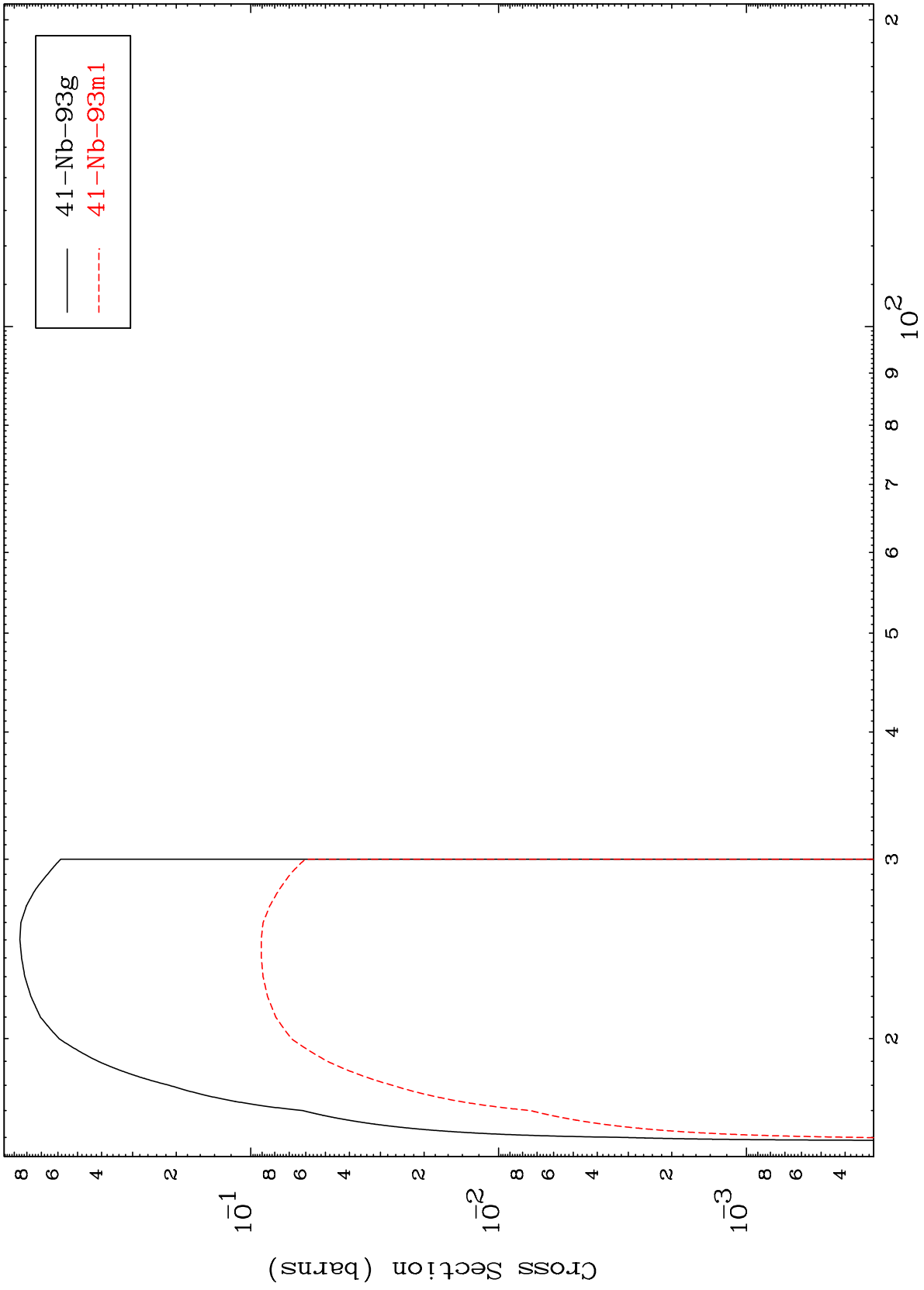
Incident Energy (MeV)

41-Nb-95

MAT 4131

41-Nb-95

(n,3n)
Radionuclide Production Cross Section



134

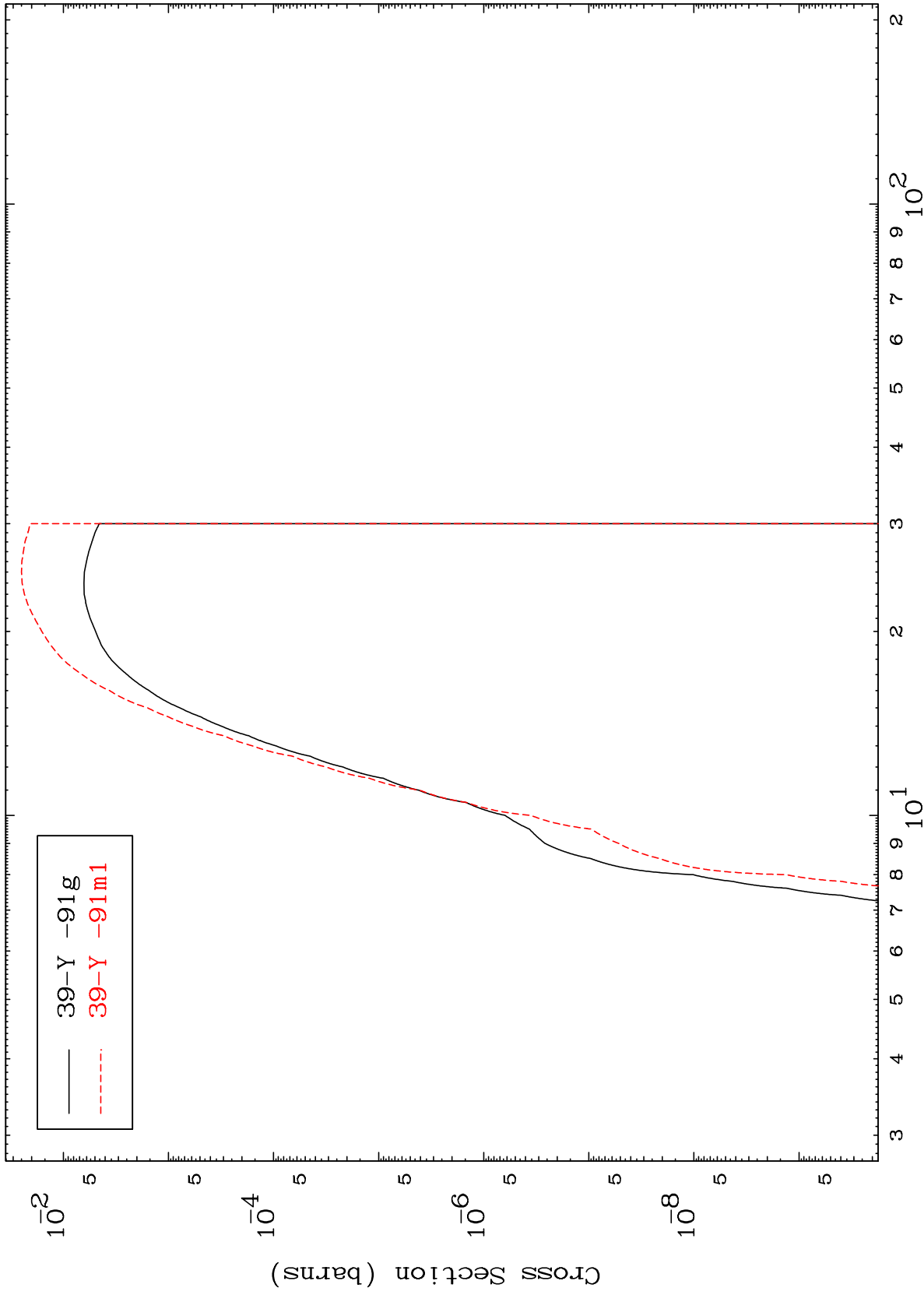
41-Nb-95

MAT 4131

(n,n') α

41-Nb-95

Radionuclide Production Cross Section



39-Y -91g
39-Y -91m1

135

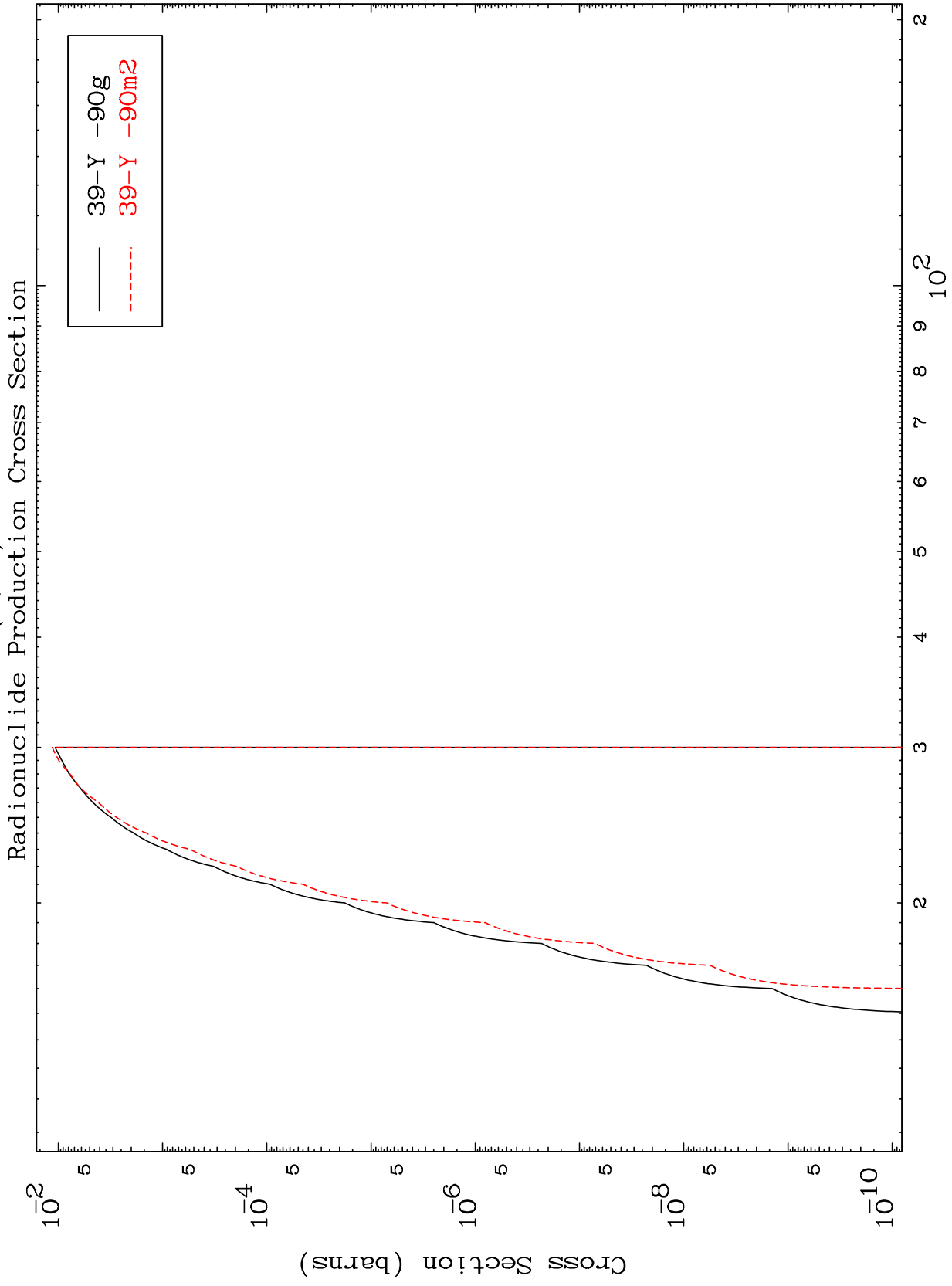
Incident Energy (MeV)

41-Nb-95

MAT 4131

(n,2n) α

41-Nb-95



136

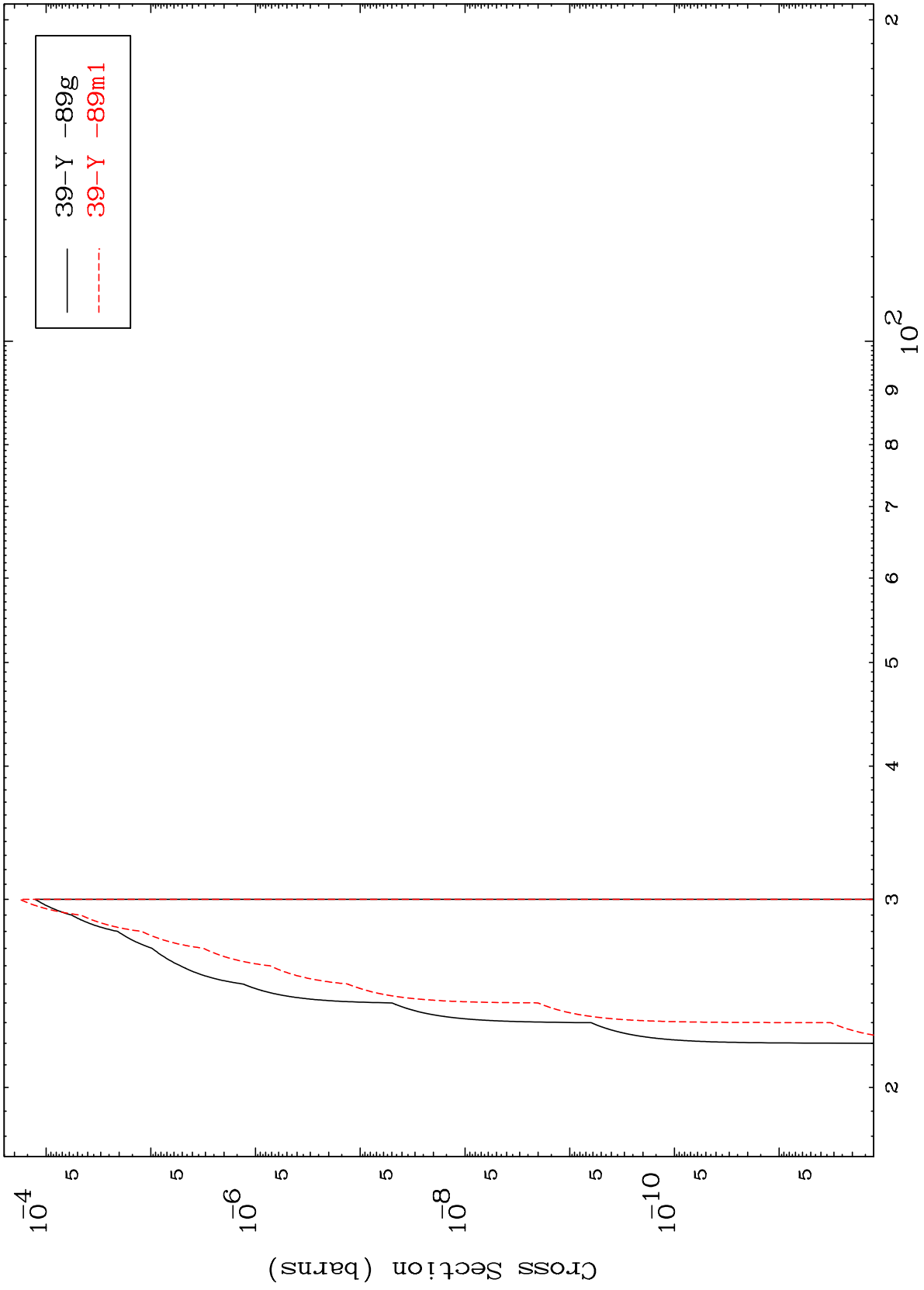
41-Nb-95

MAT 4131

(n,3n) α

41-Nb-95

Radionuclide Production Cross Section



137

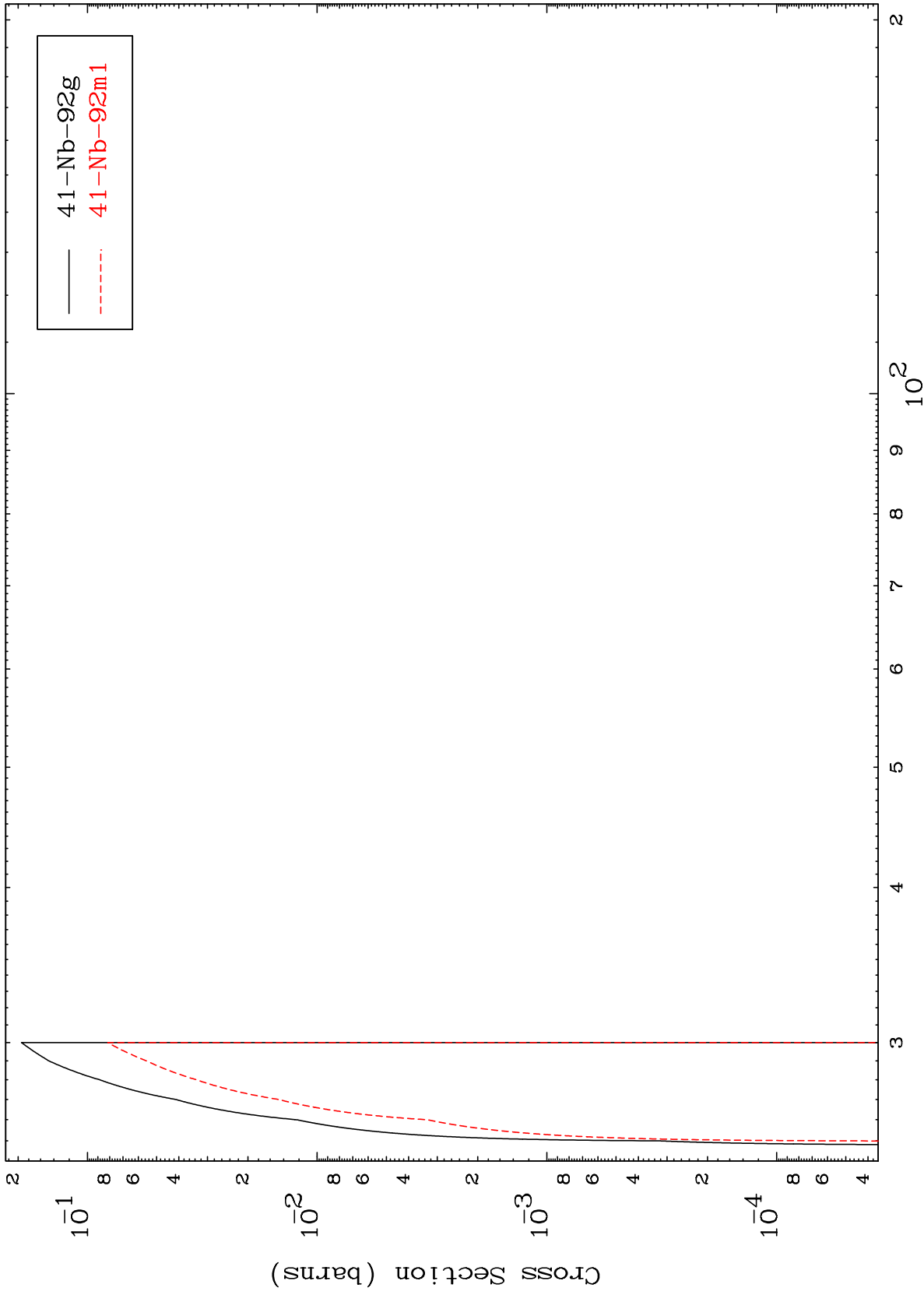
Incident Energy (MeV)

41-Nb-95

MAT 4131

41-Nb-95

(n,4n)
Radionuclide Production Cross Section



138

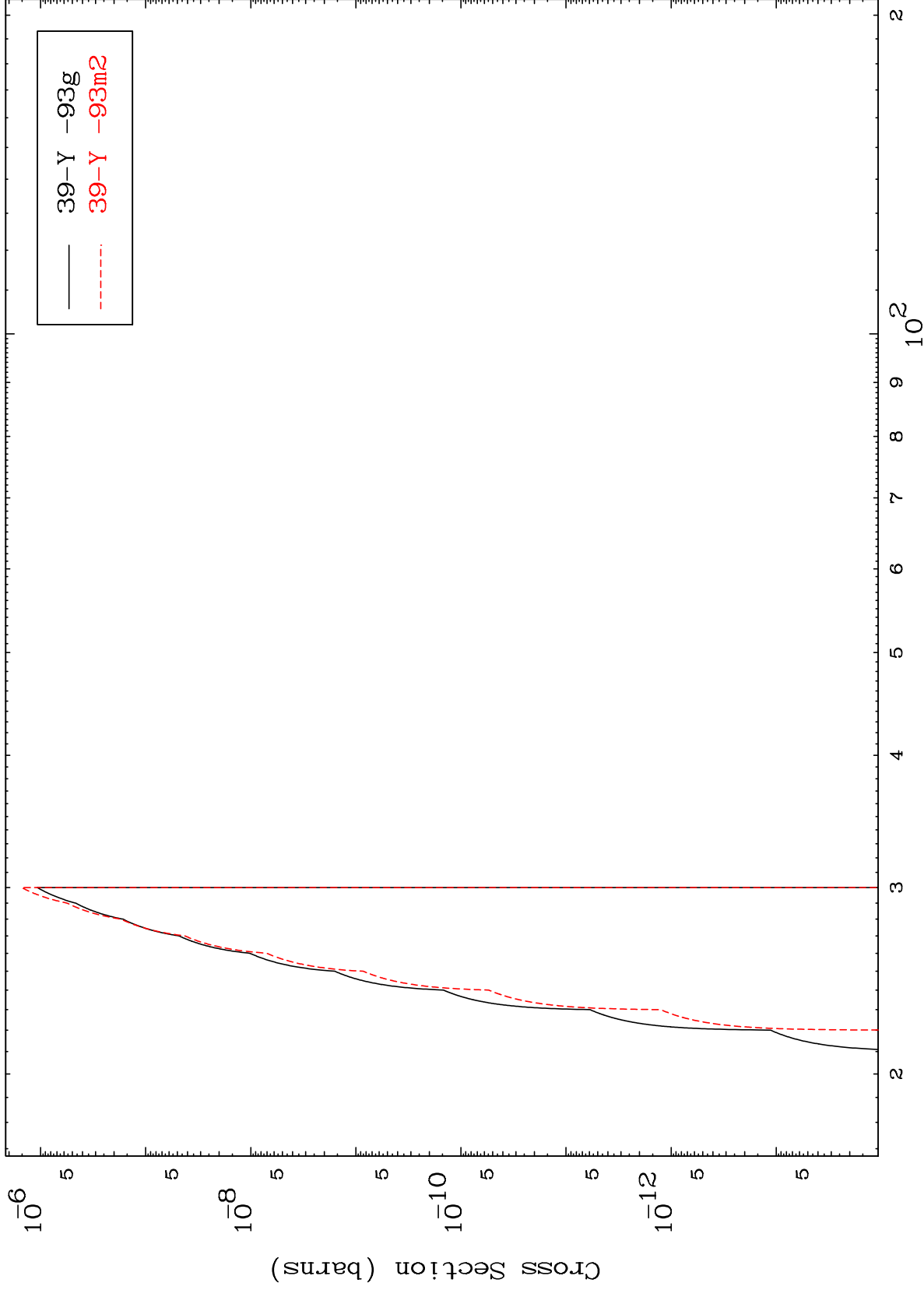
41-Nb-95

MAT 4131

(n,2n) p

41-Nb-95

Radionuclide Production Cross Section



139

Incident Energy (MeV)

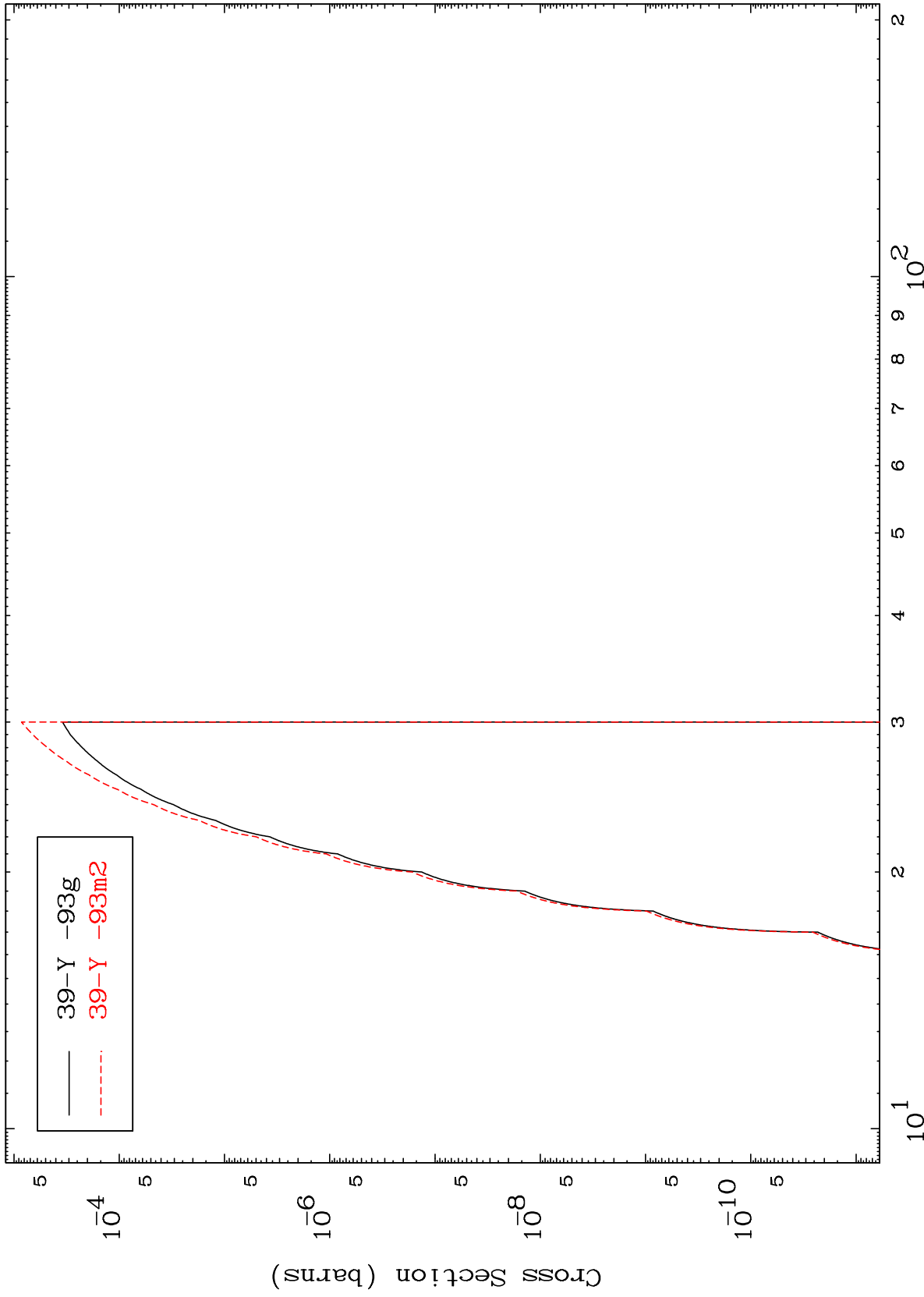
41-Nb-95

MAT 4131

(n,He-3)

41-Nb-95

Radionuclide Production Cross Section



140

Incident Energy (MeV)

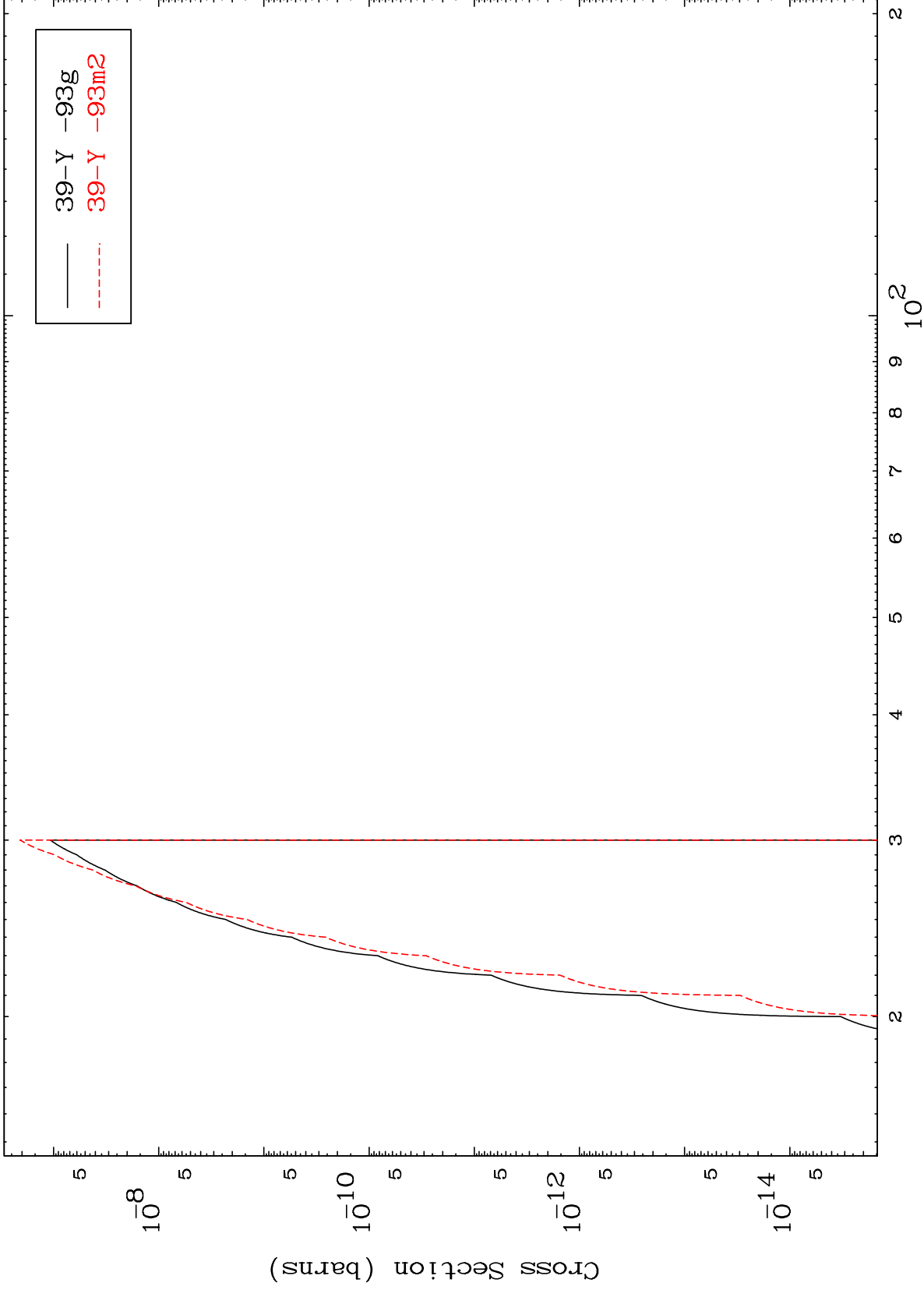
41-Nb-95

MAT 4131

(n,p) d

41-Nb-95

Radionuclide Production Cross Section



141

Incident Energy (MeV)

41-Nb-95