

Program EVALPLOT
(Version 2018-1)

by

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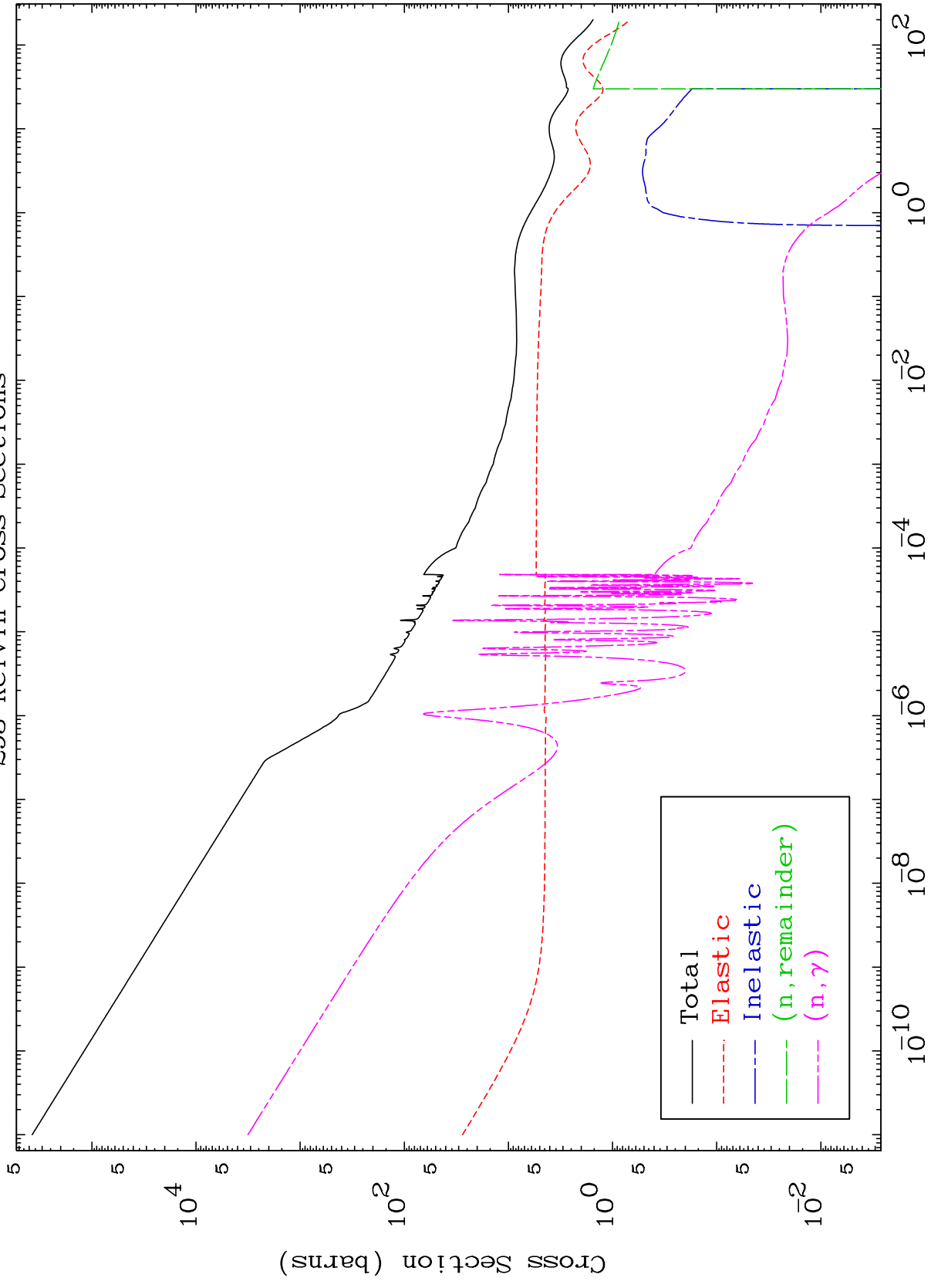
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

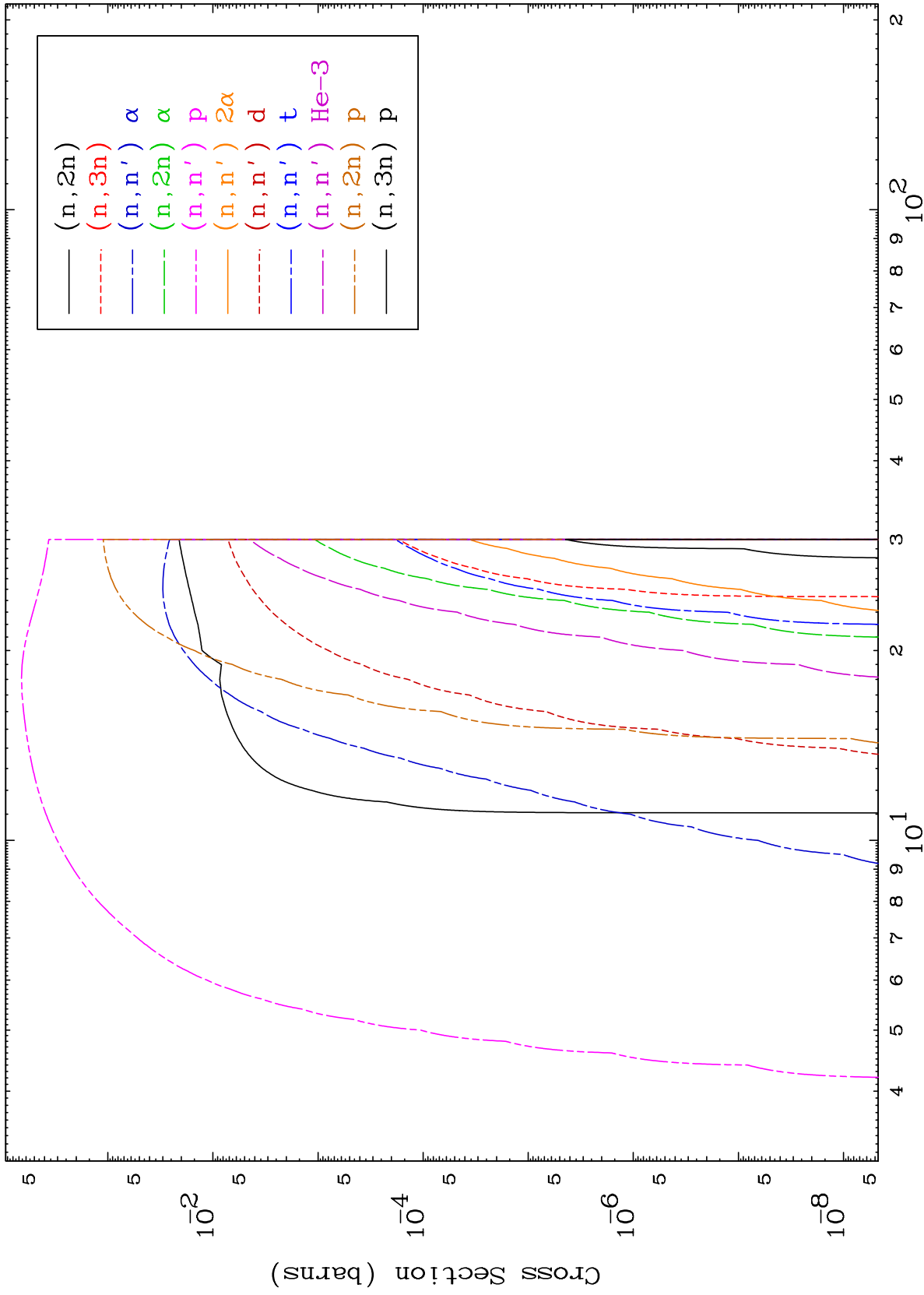
Press Mouse Button to Start

MAT 4104

Major
293 Kelvin Cross Sections

41-Nb-86

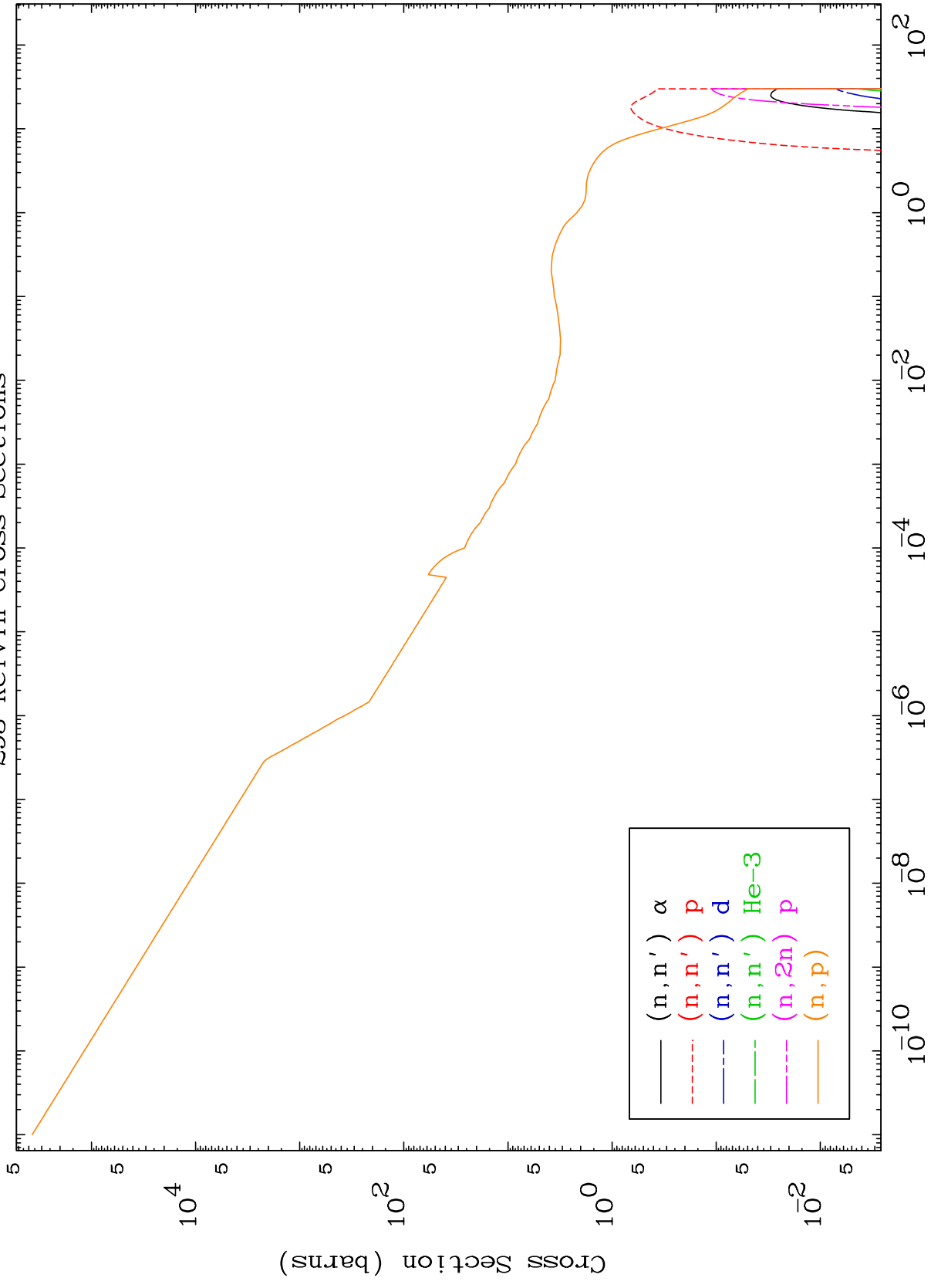




MAT 4104

Charged Particle
293 Kelvin Cross Sections

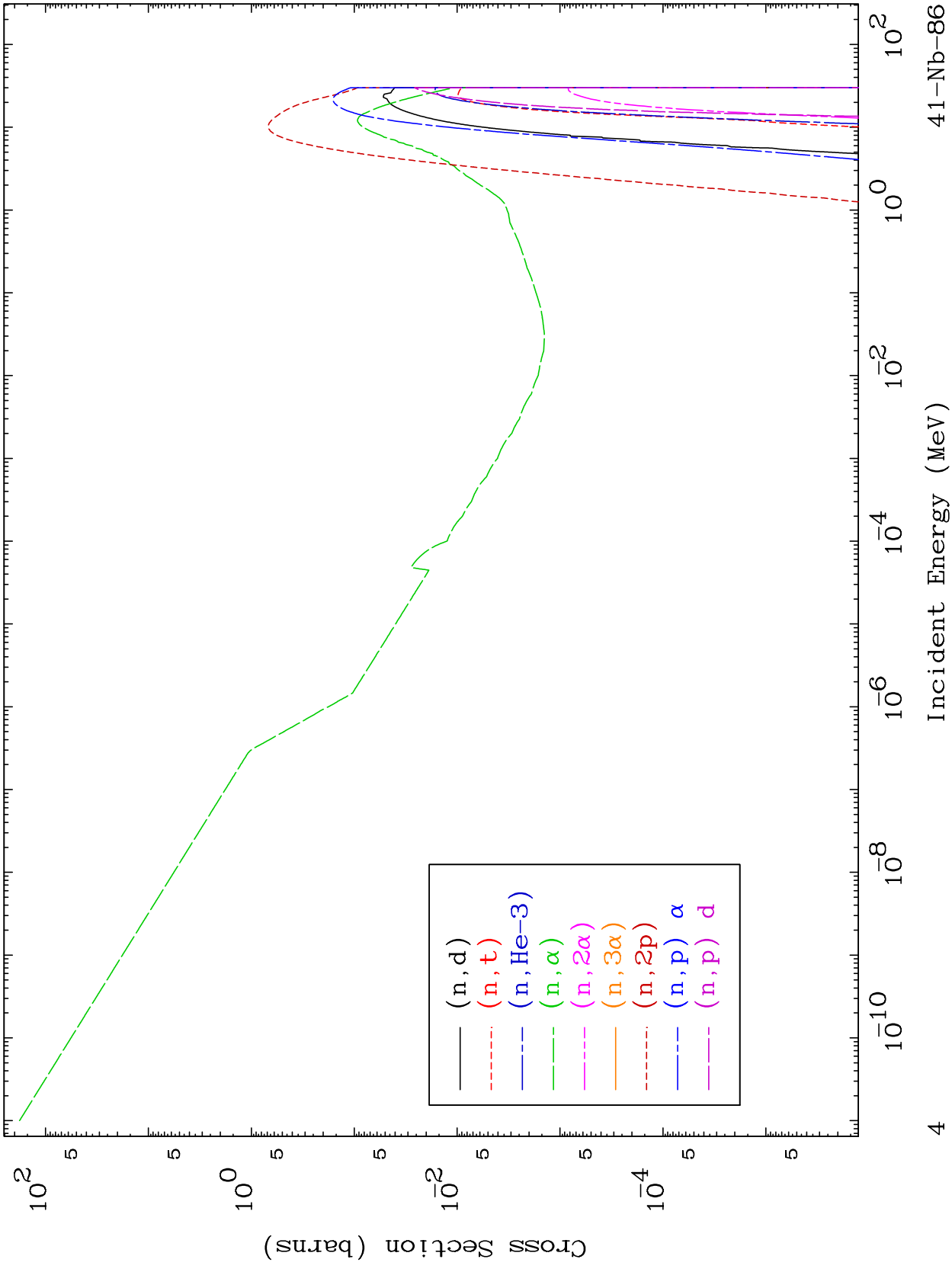
41-Nb-86



MAT 4104

Charged Particle
293 Kelvin Cross Sections

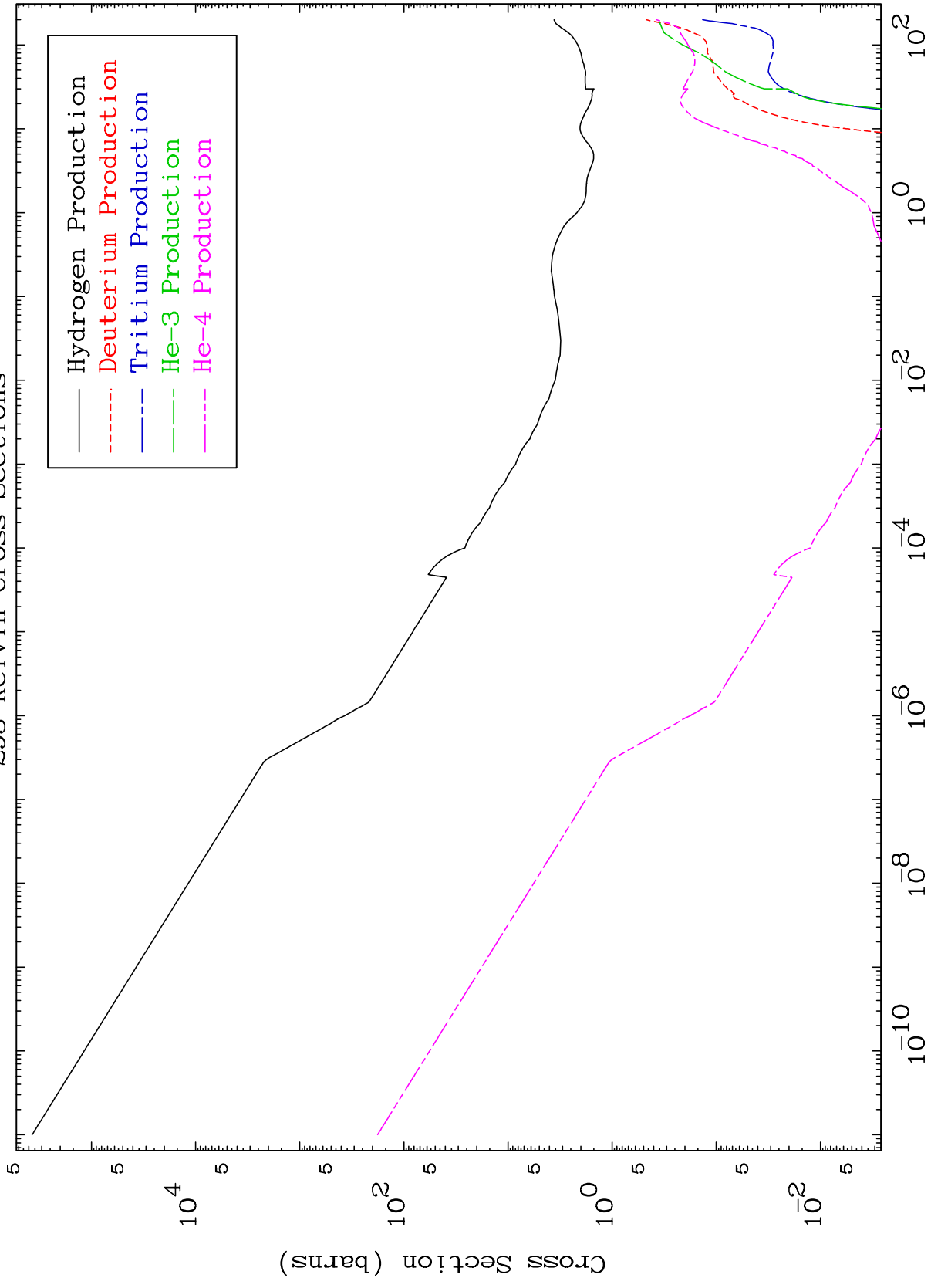
41-Nb-86



MAT 4104

Particle Production
293 Kelvin Cross Sections

41-Nb-86



5

Incident Energy (MeV)

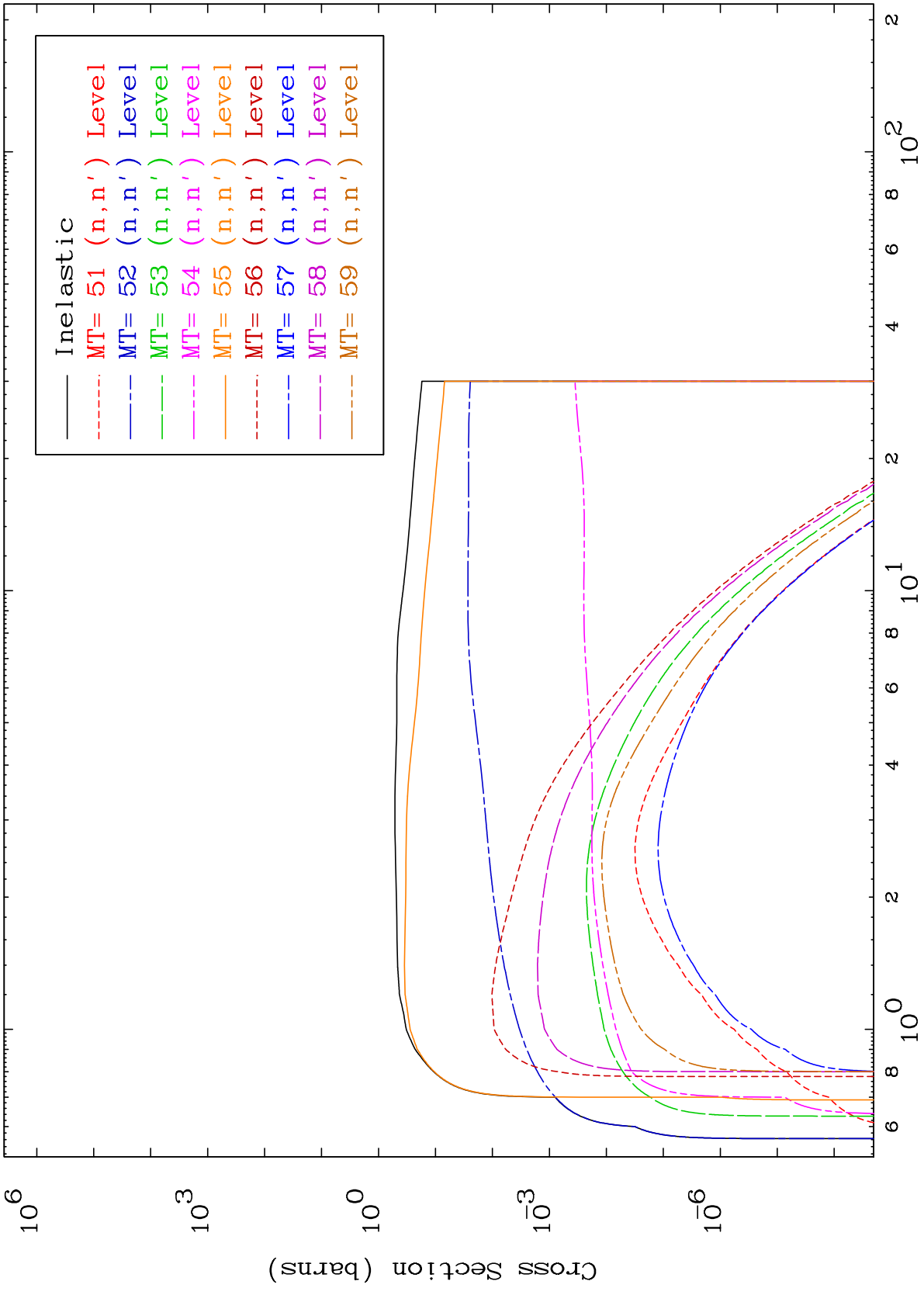
41-Nb-86

MAT 4104

(n,n') Level

41-Nb-86

293 Kelvin Cross Sections



6

Incident Energy (MeV)

41-Nb-86

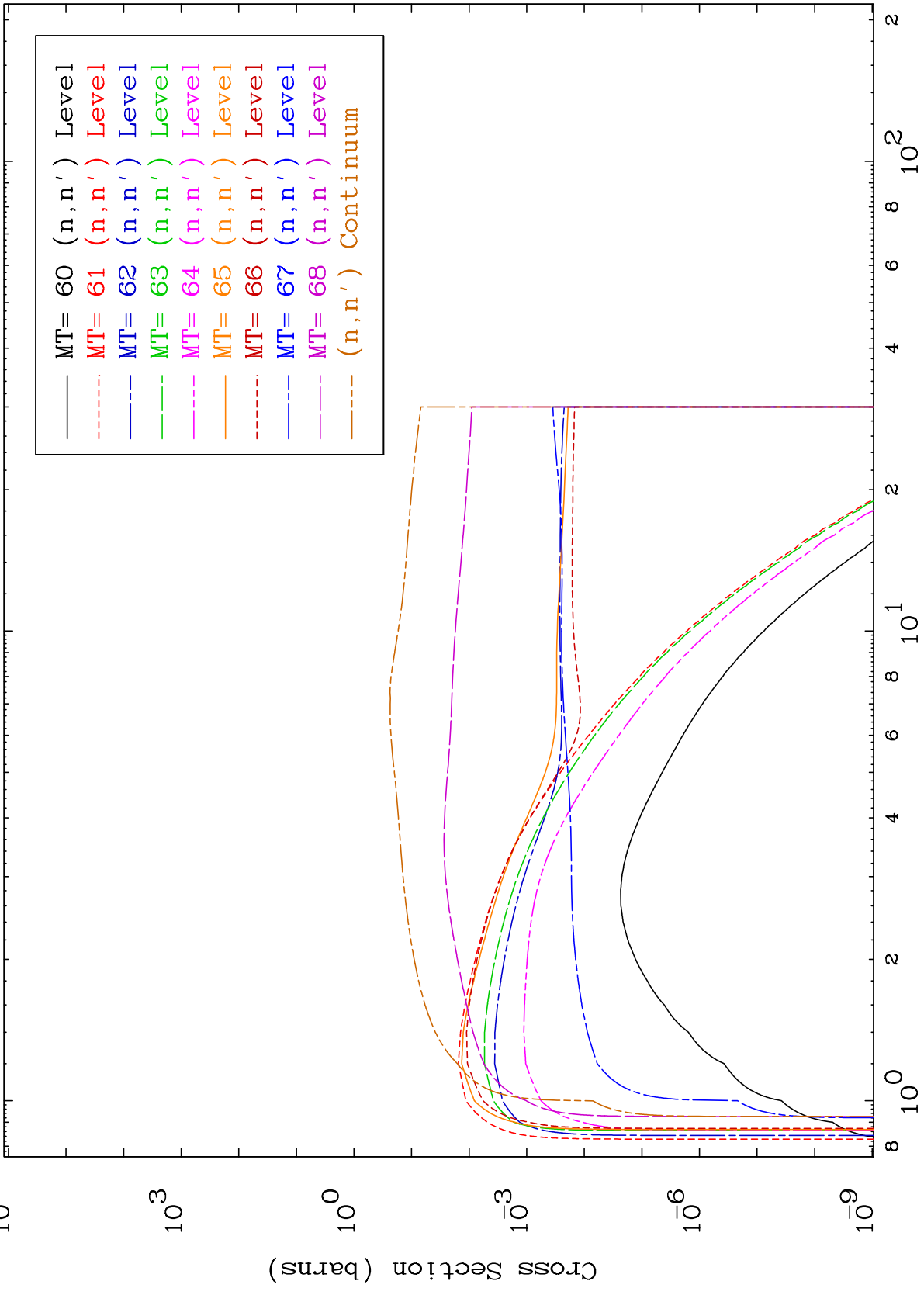
MAT 4104

(n,n') Level

41-Nb-86

293 Kelvin Cross Sections

41-Nb-86



7

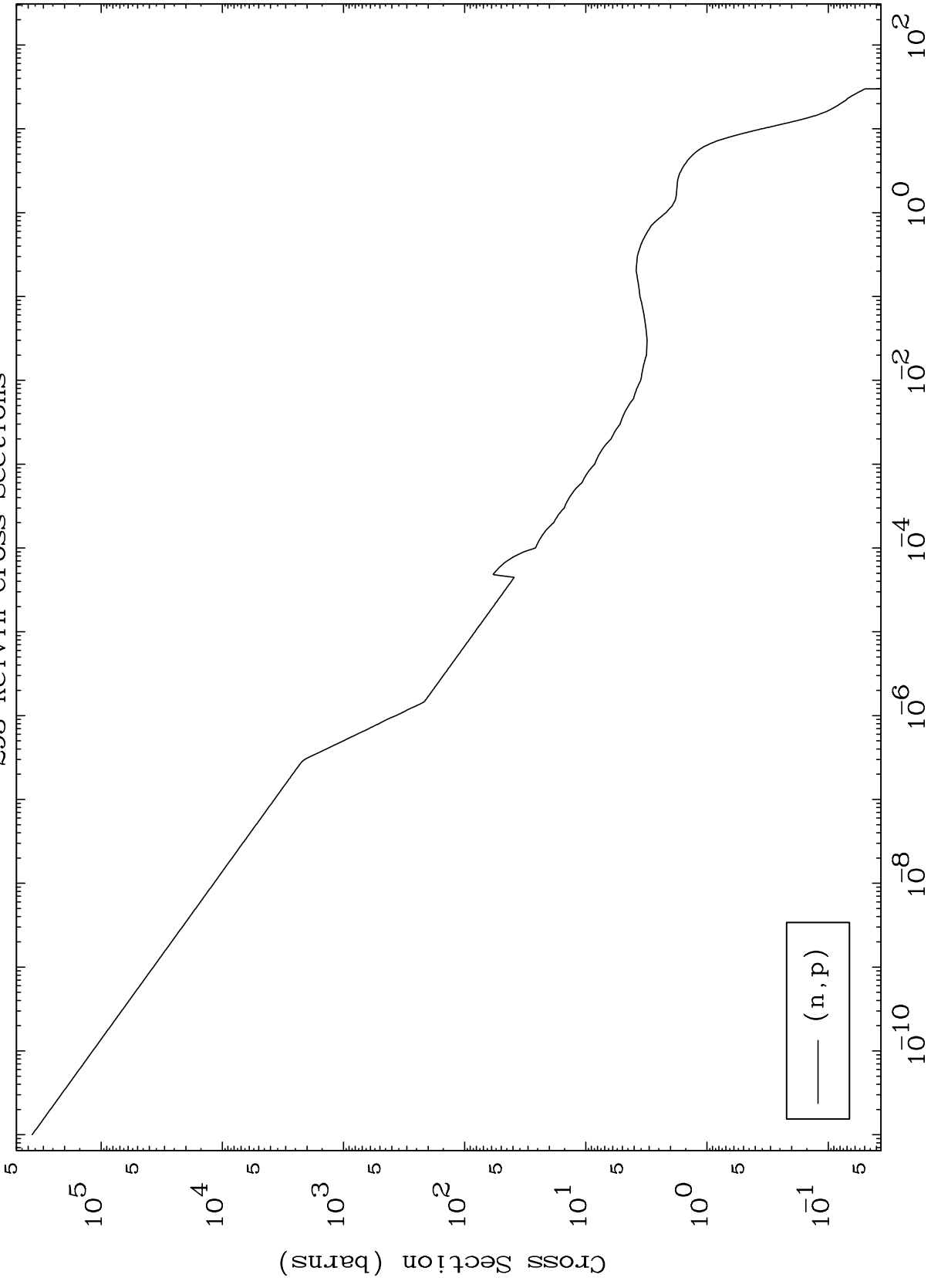
Incident Energy (MeV)

41-Nb-86

MAT 4104

(n,p) Levels
293 Kelvin Cross Sections

41-Nb-86



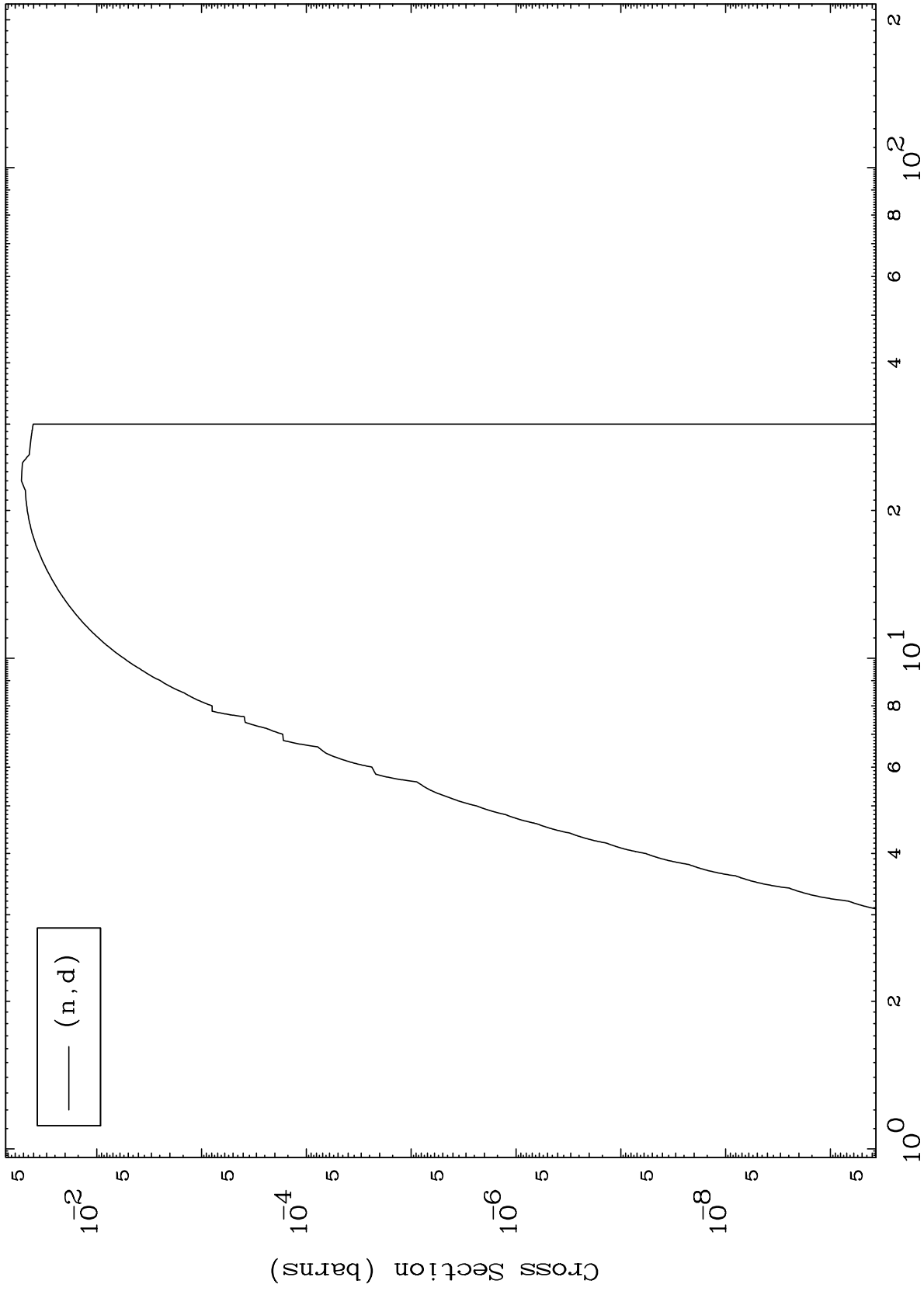
— (n,p)

41-Nb-86

MAT 4104

(n,d) Levels
293 Kelvin Cross Sections

41-Nb-86



9

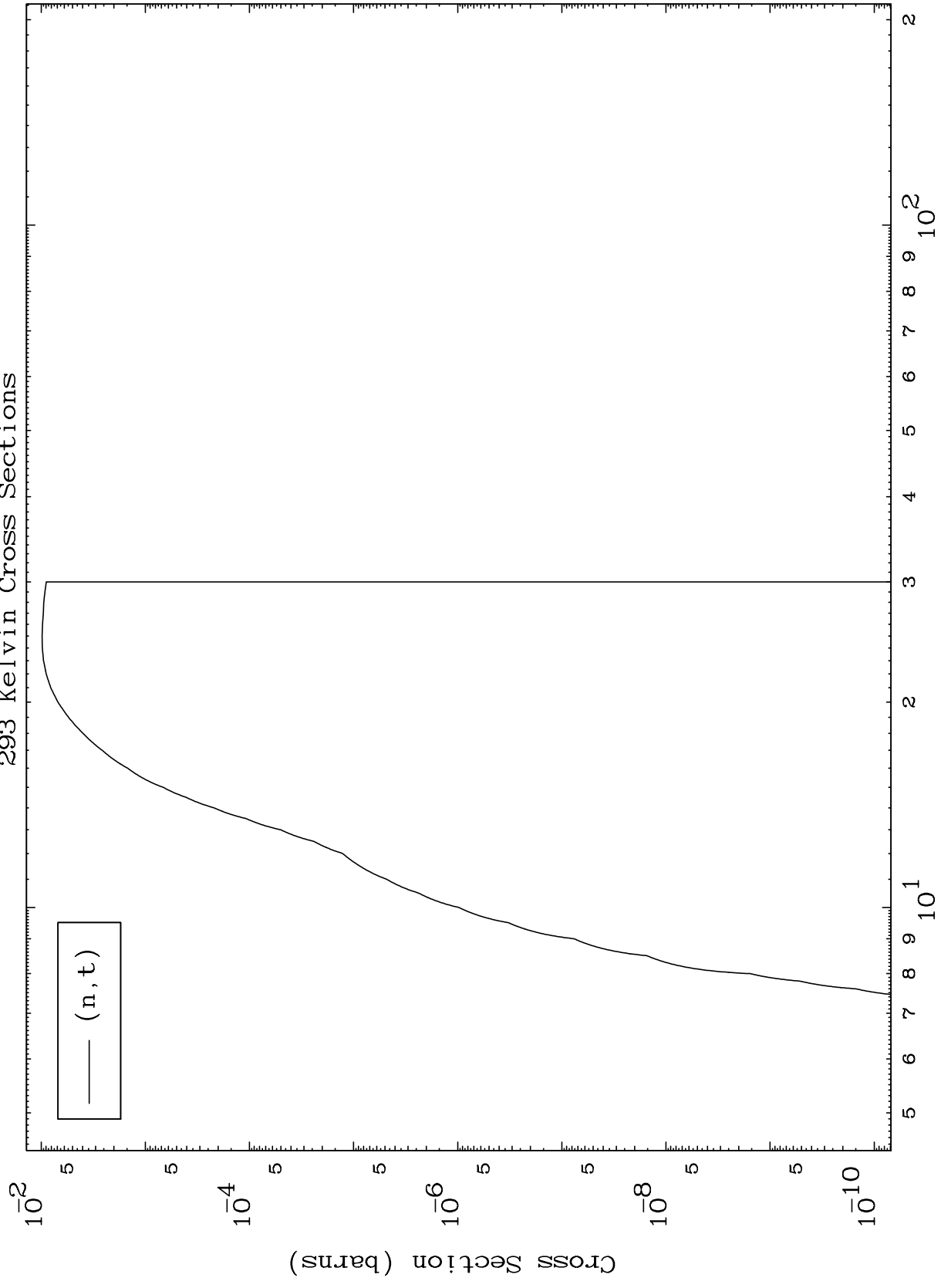
Incident Energy (MeV)

41-Nb-86

MAT 4104

(n,t) Levels
293 Kelvin Cross Sections

41-Nb-86



10

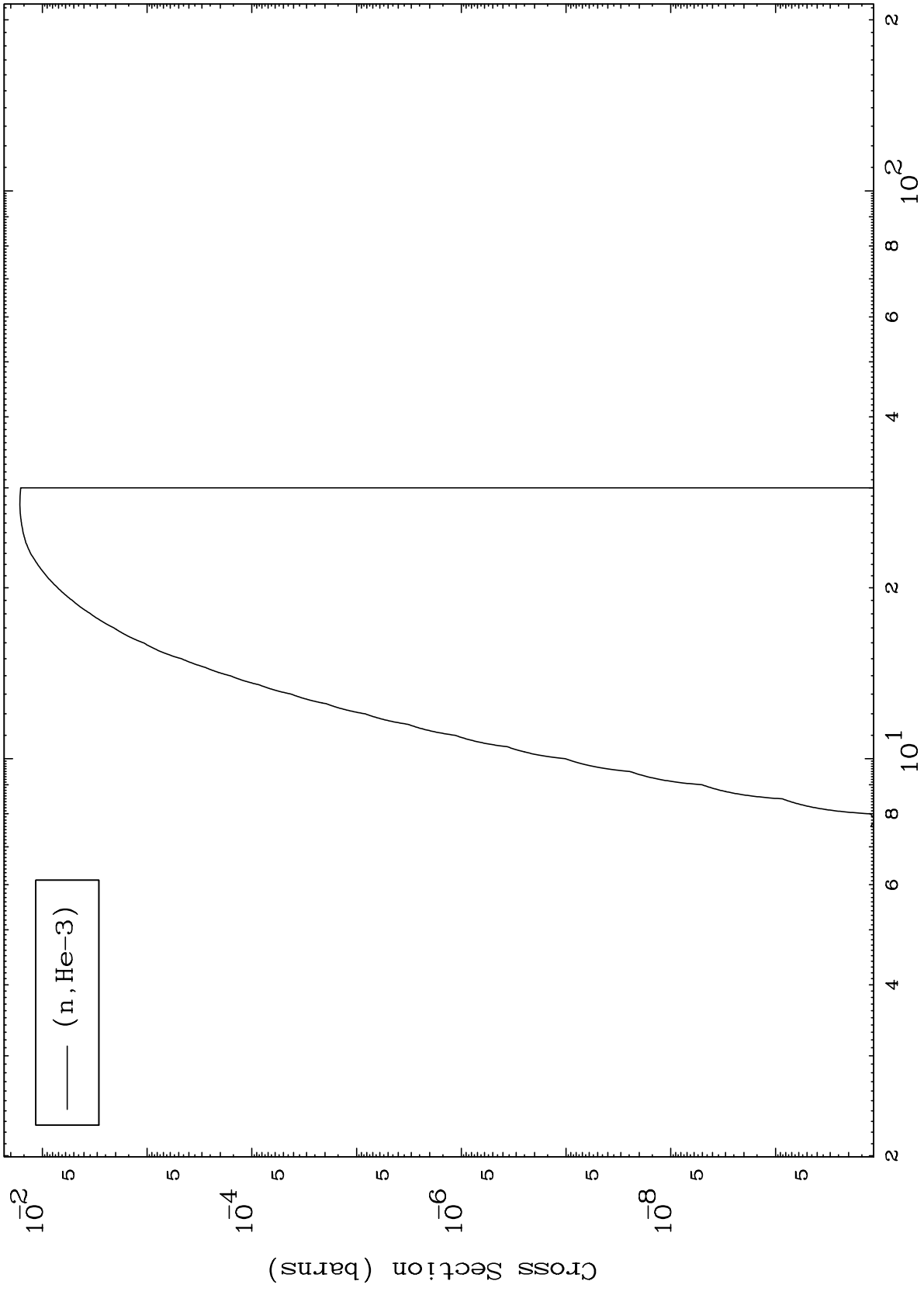
Incident Energy (MeV)

41-Nb-86

MAT 4104

(n,He3) Levels
293 Kelvin Cross Sections

41-Nb-86



11

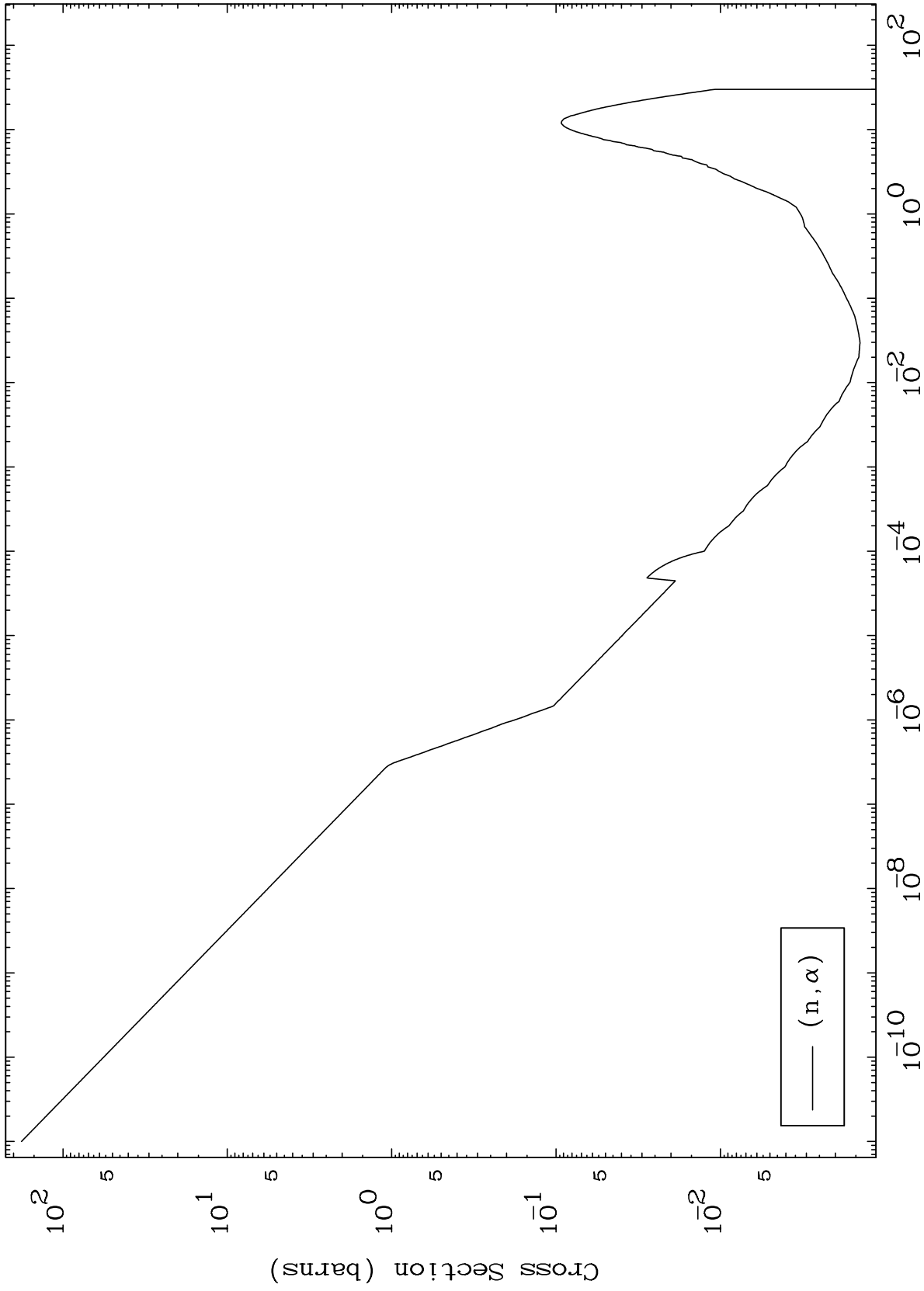
Incident Energy (MeV)

41-Nb-86

MAT 4104

(n,α) Levels
293 Kelvin Cross Sections

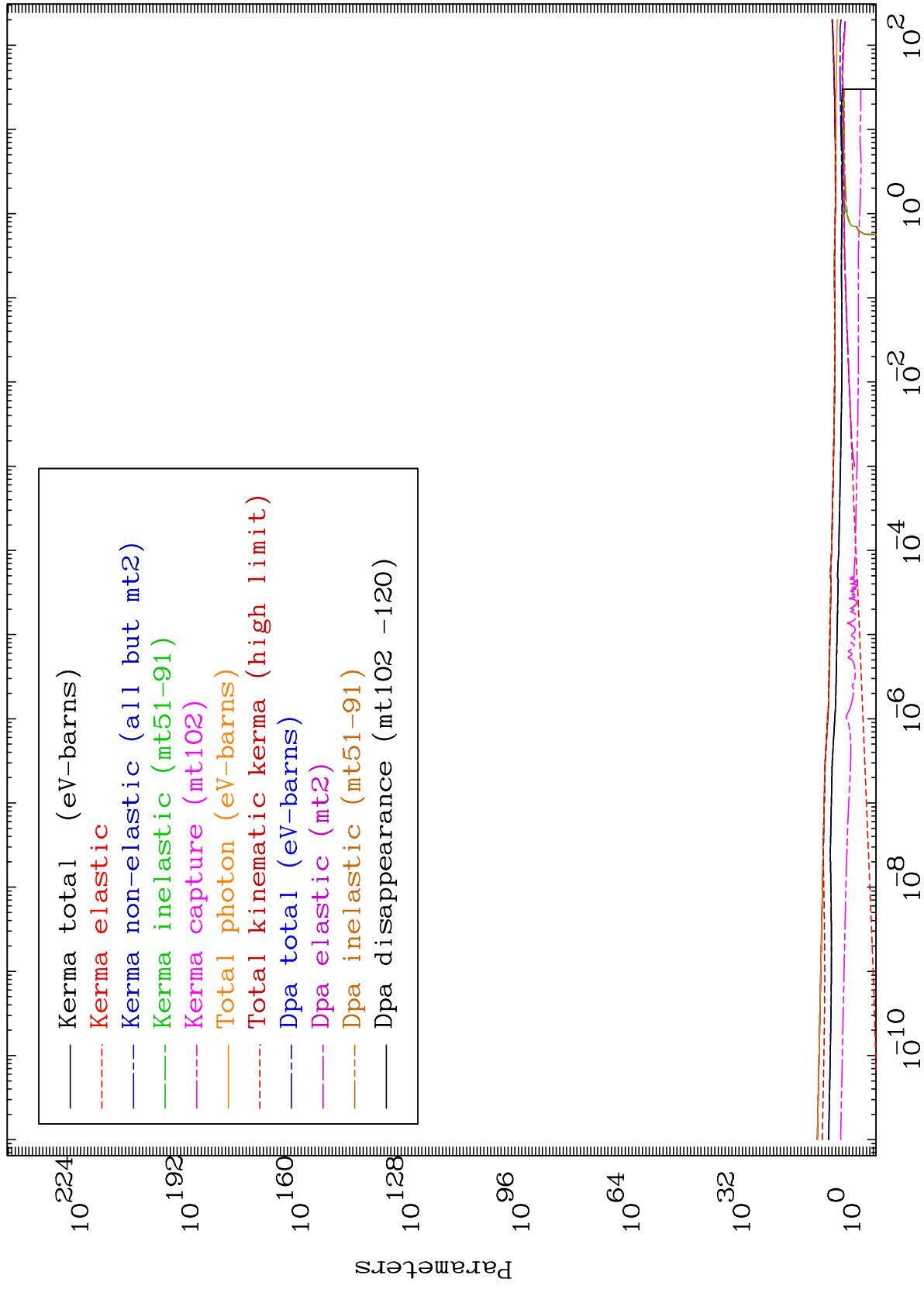
41-Nb-86



12

Incident Energy (MeV)

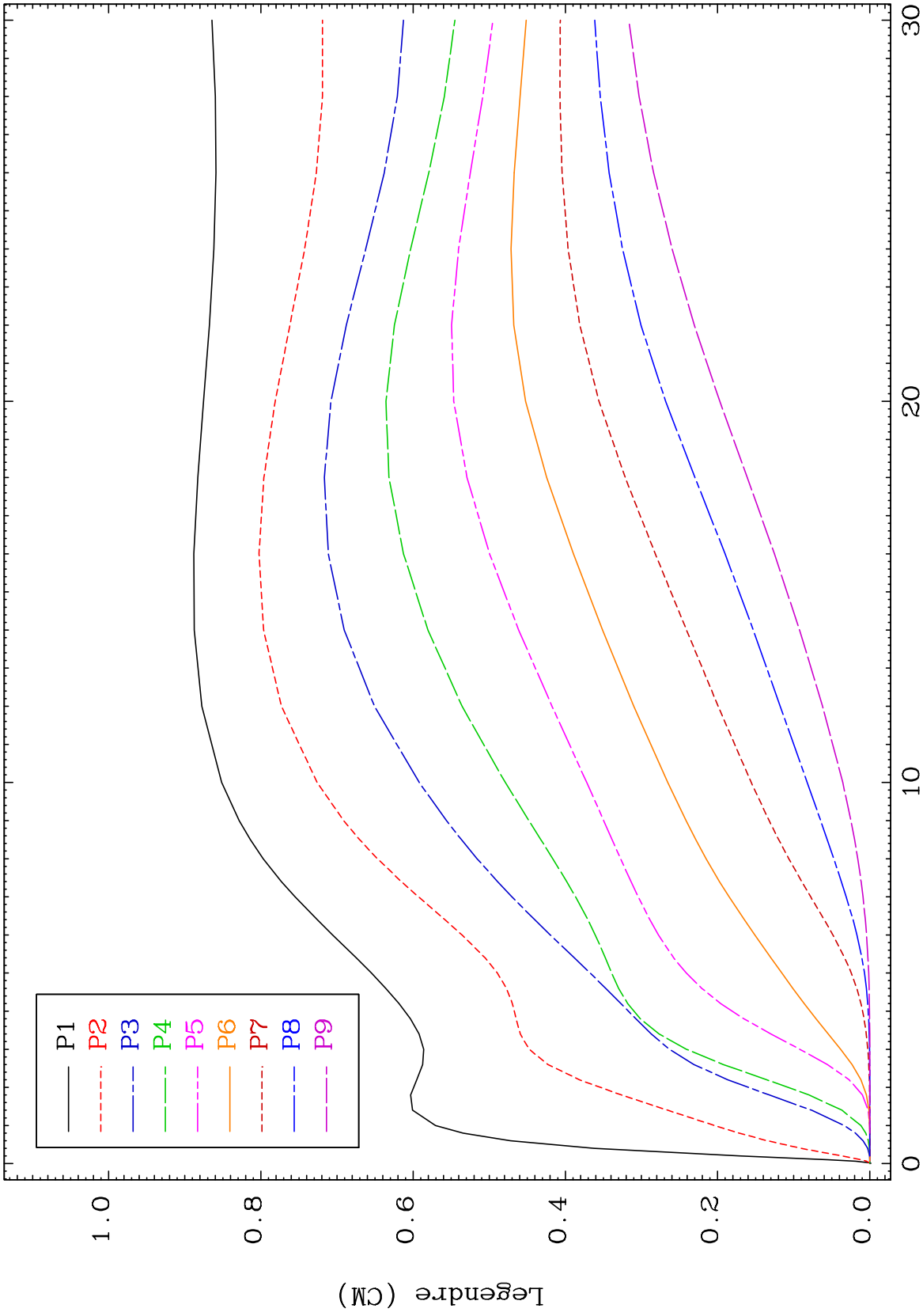
41-Nb-86



MAT 4104

Elastic Legendre Coefficients

41-Nb-86



14

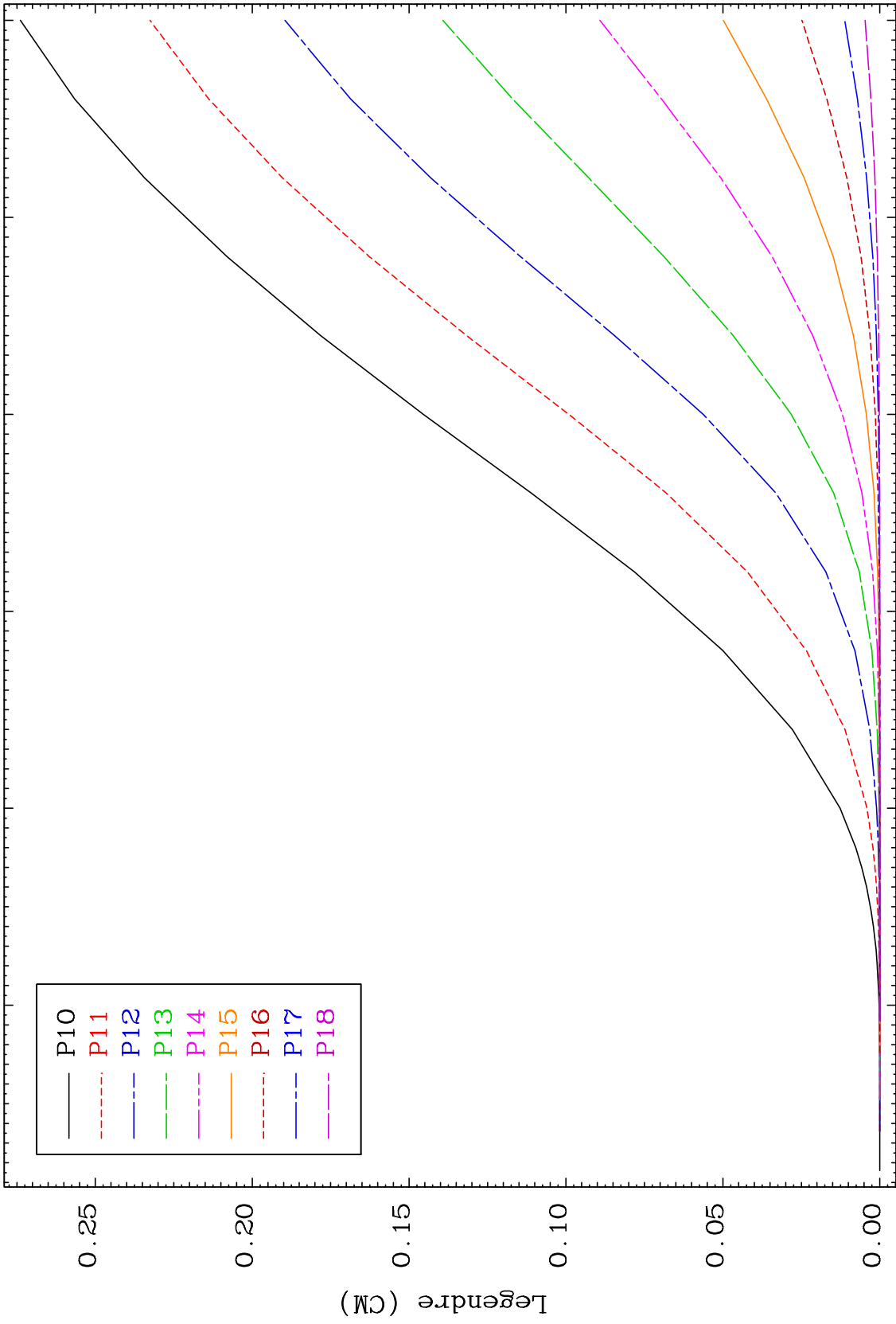
Incident Energy (MeV)

41-Nb-86

MAT 4104

Elastic Legendre Coefficients

41-Nb-86



15

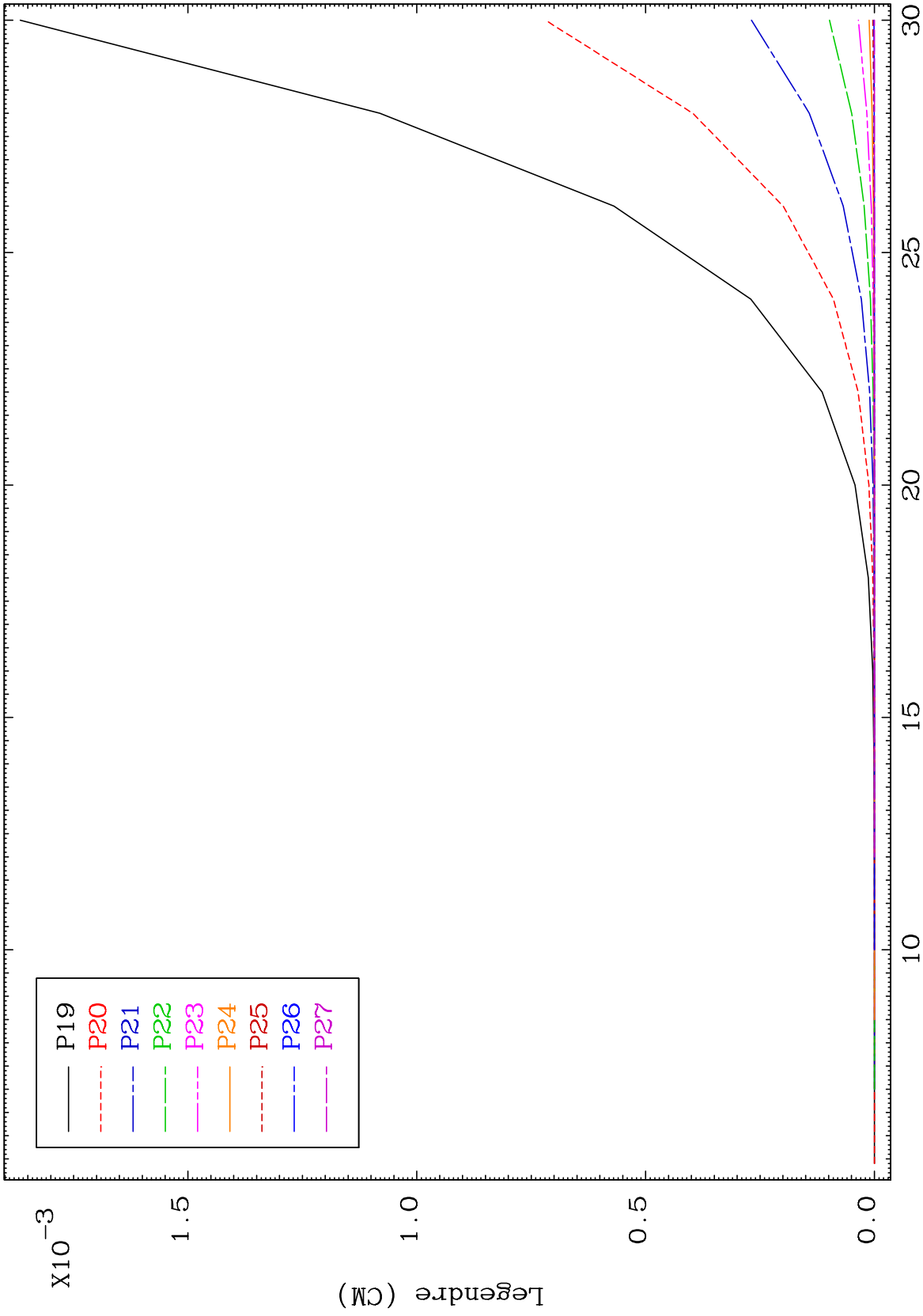
Incident Energy (MeV)

41-Nb-86

MAT 4104

Elastic Legendre Coefficients

41-Nb-86



16

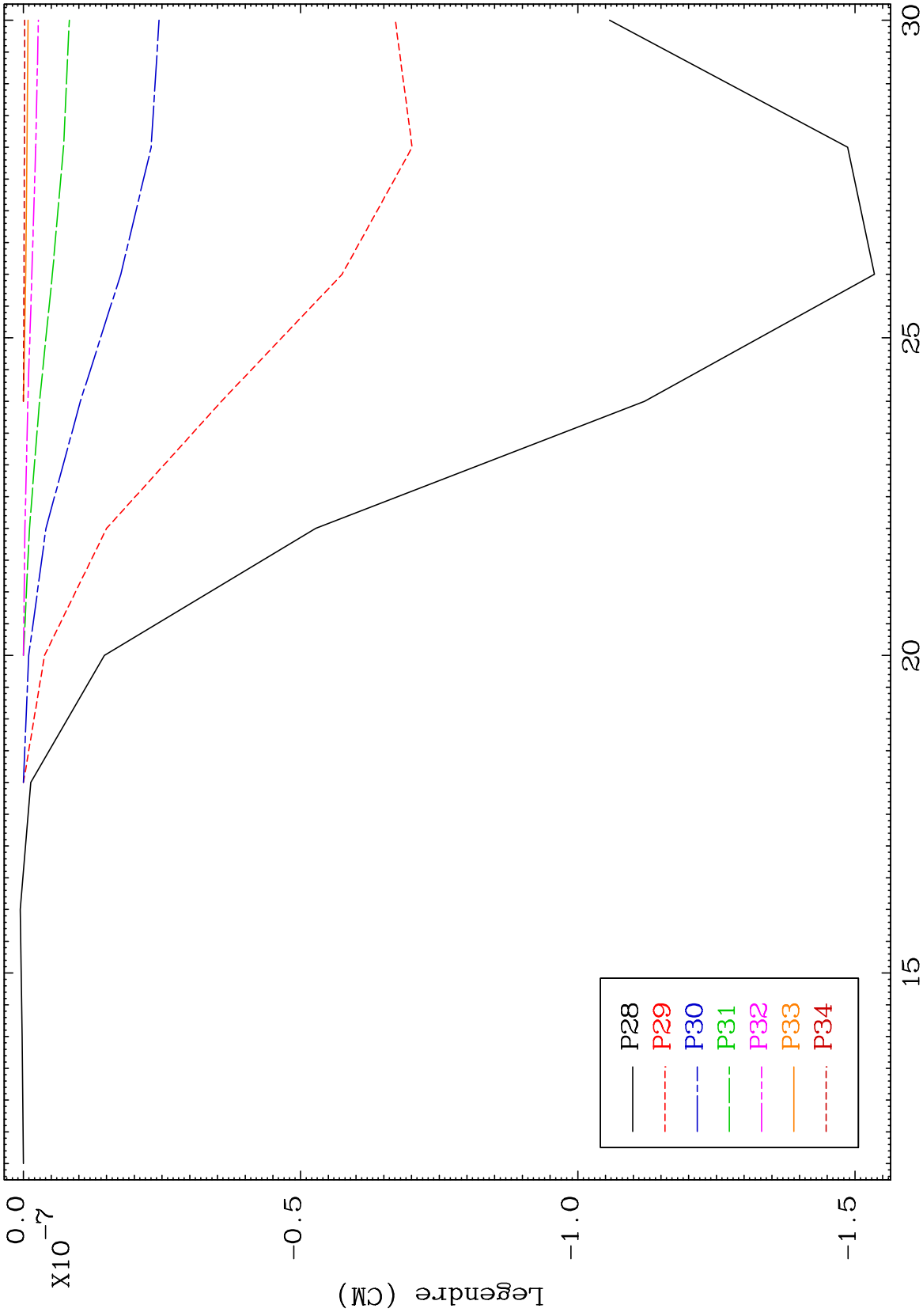
Incident Energy (MeV)

41-Nb-86

MAT 4104

41-Nb-86

Elastic Legendre Coefficients



17

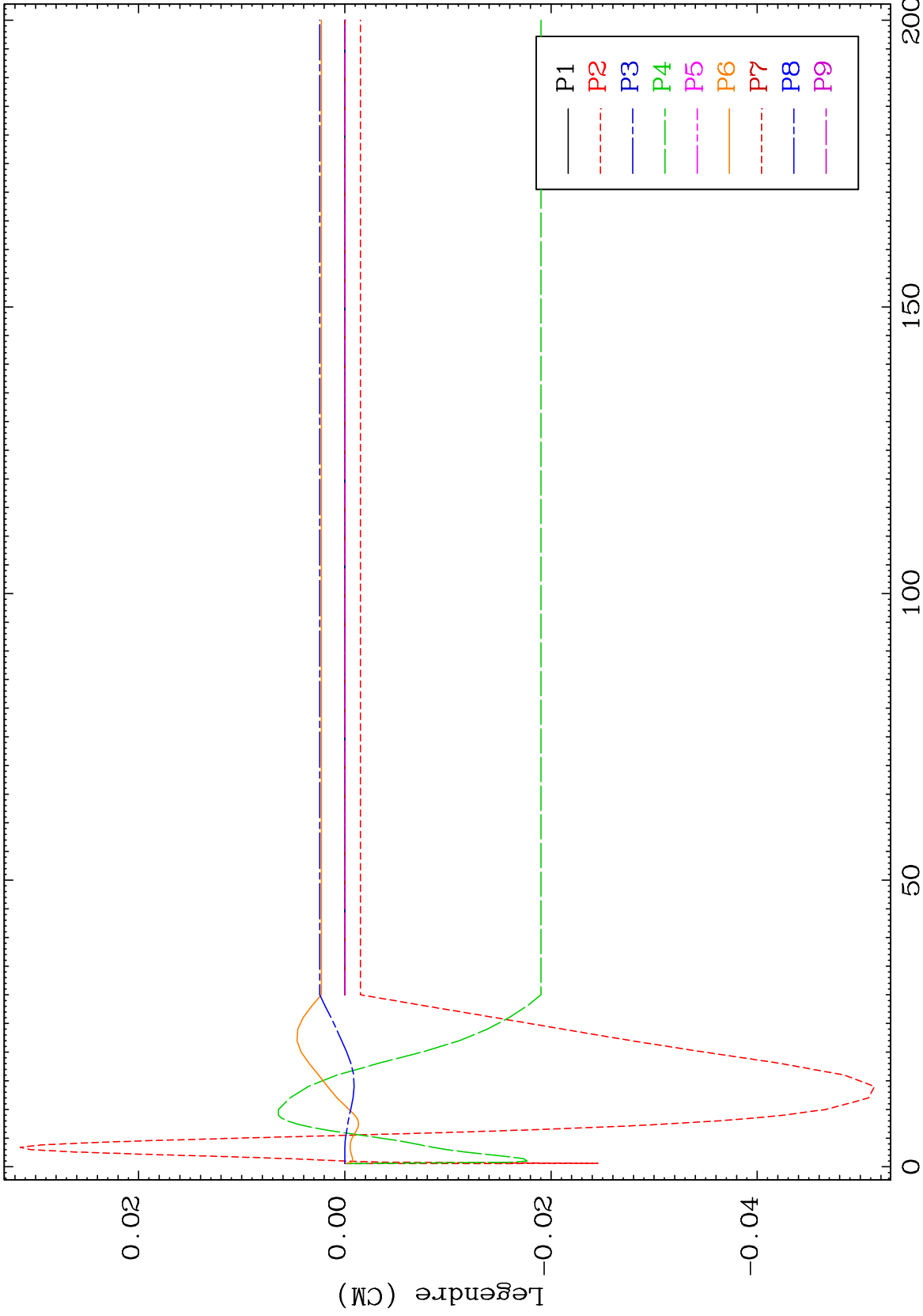
Incident Energy (MeV)

41-Nb-86

MAT 4104

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

41-Nb-86



18

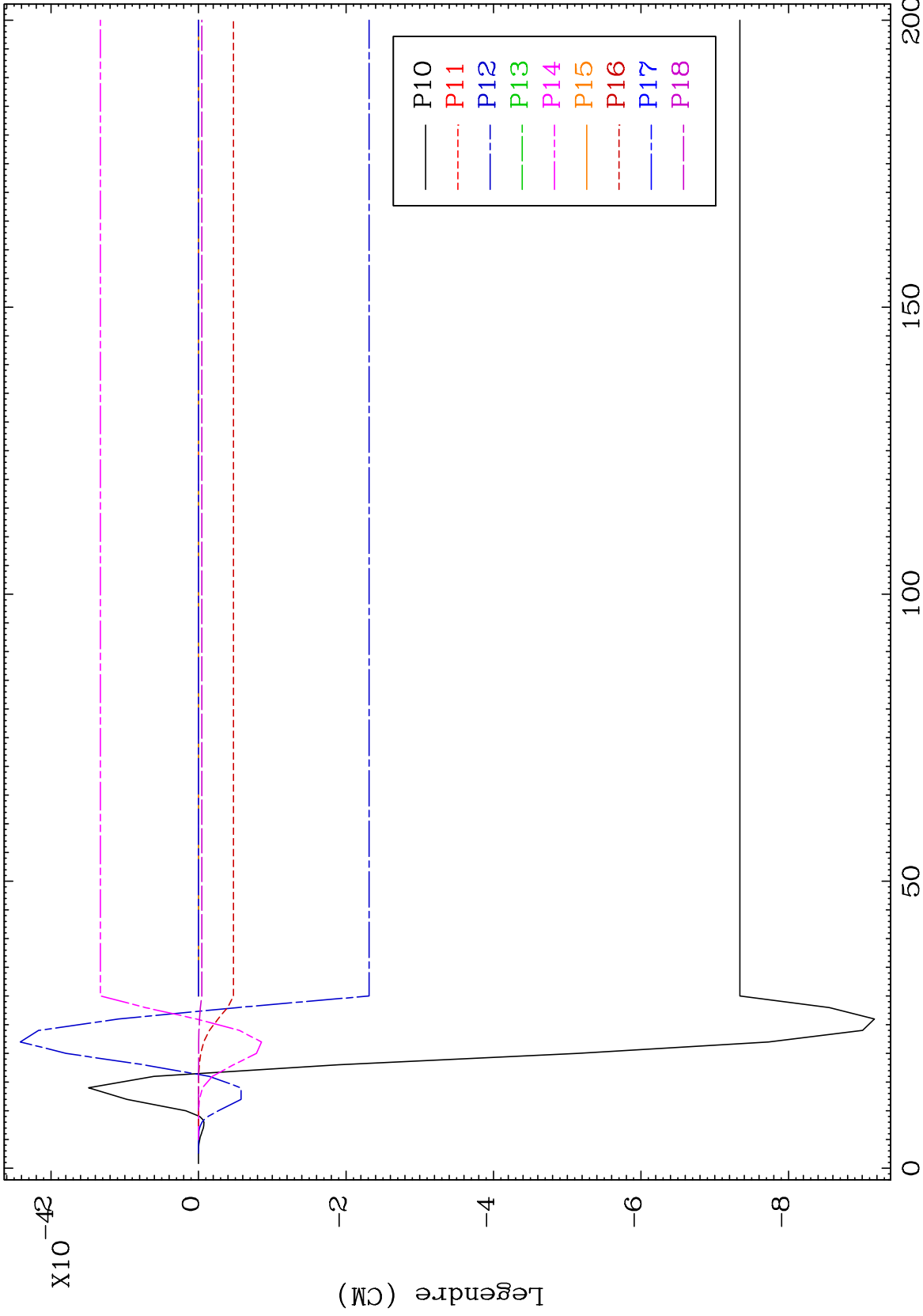
Incident Energy (MeV)

41-Nb-86

MAT 4104

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

41-Nb-86



19

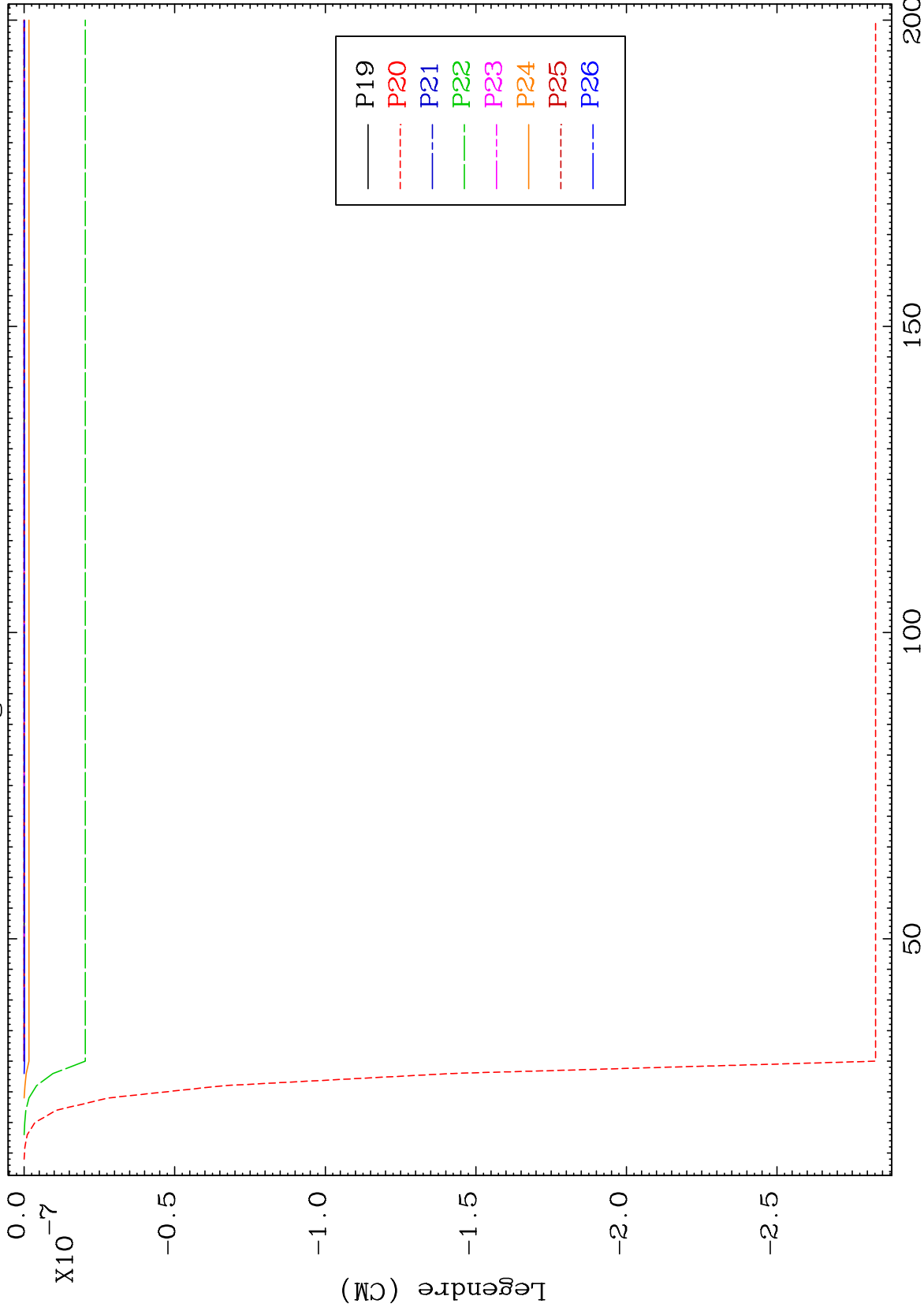
Incident Energy (MeV)

41-Nb-86

MAT 4104

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

41-Nb-86



41-Nb-86

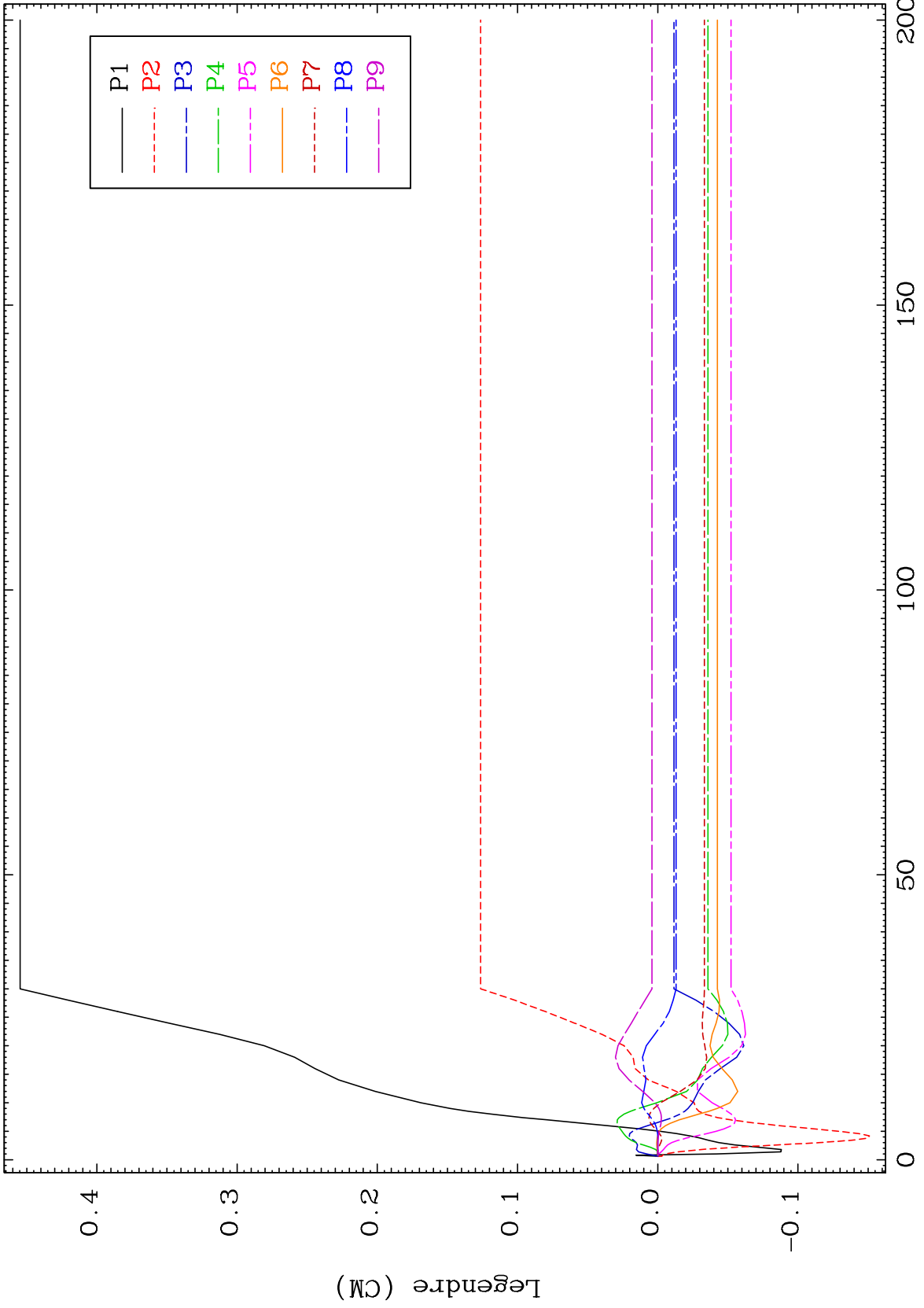
Incident Energy (MeV)

20

MAT 4104

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

41-Nb-86



21

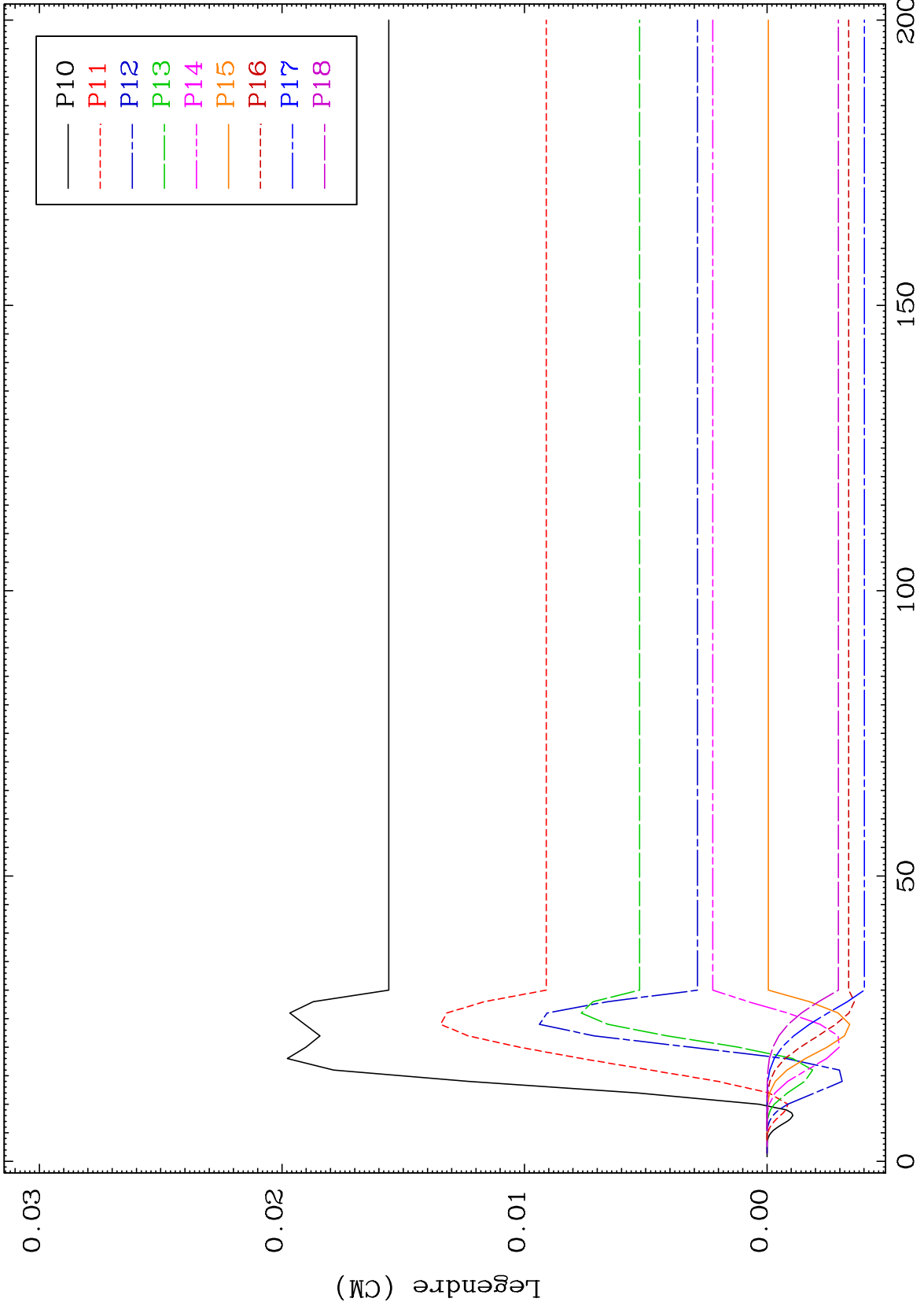
Incident Energy (MeV)

41-Nb-86

MAT 4104

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

41-Nb-86



22

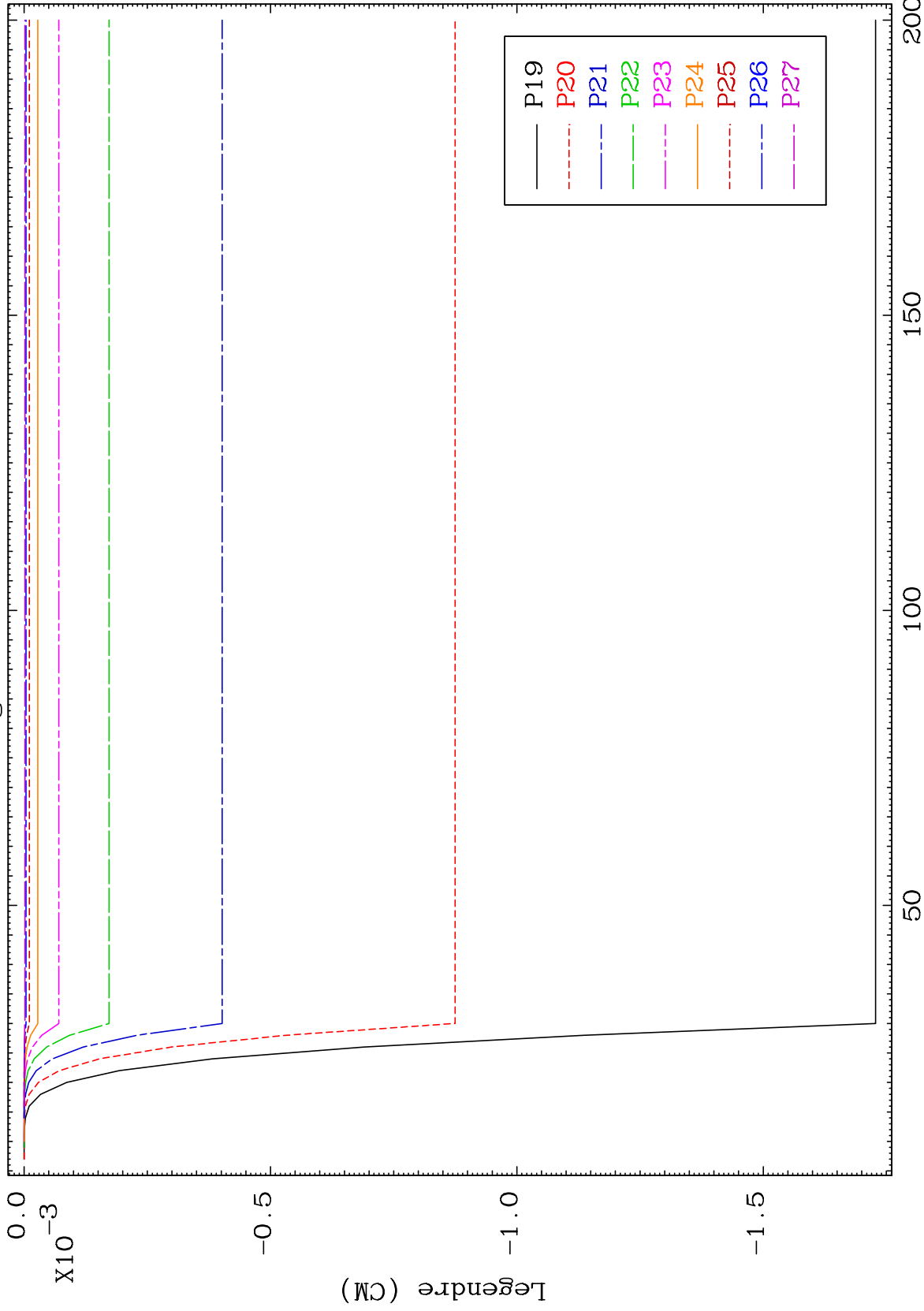
Incident Energy (MeV)

41-Nb-86

MAT 4104

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

41-Nb-86



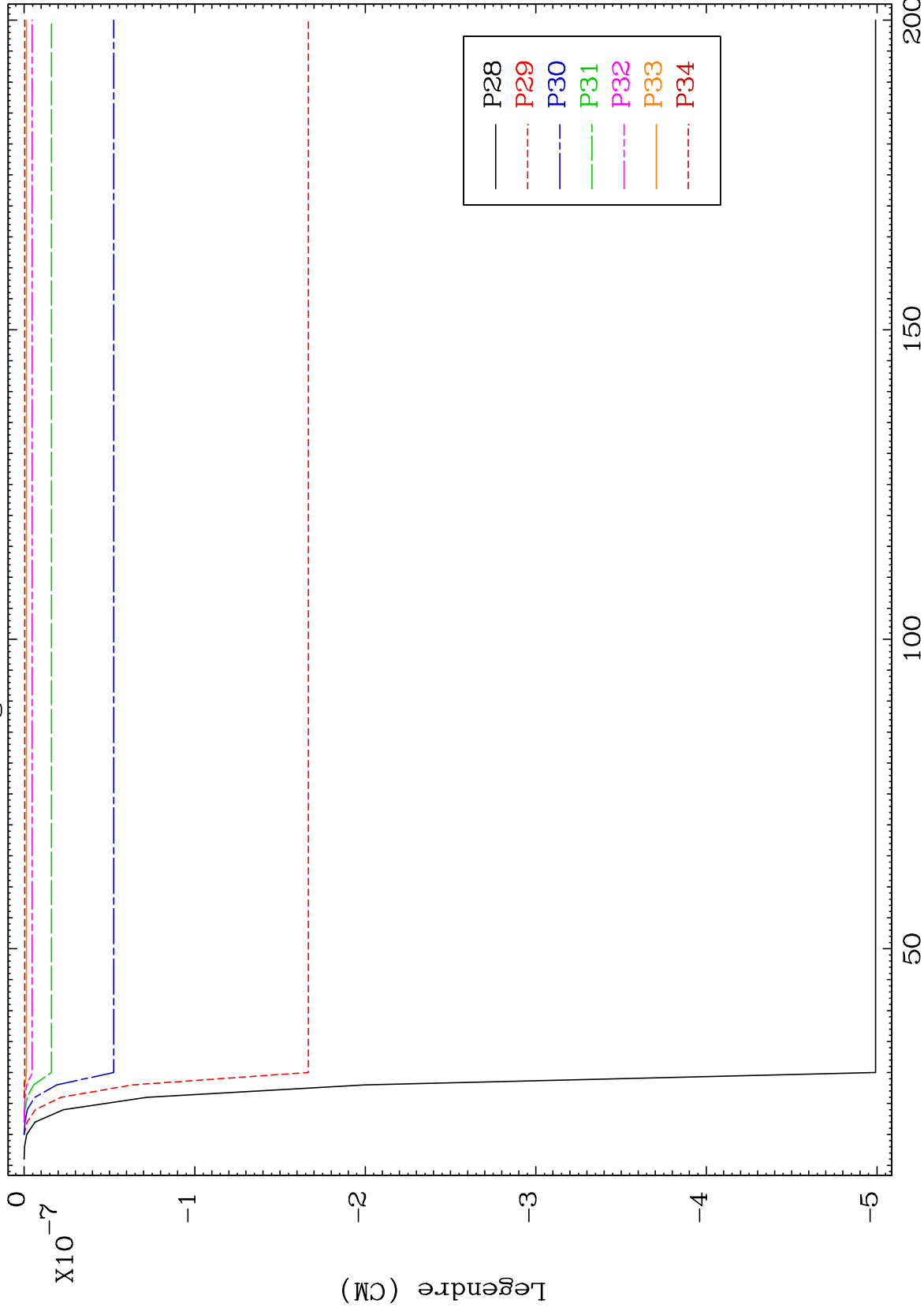
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41-Nb-86

MAT 4104

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

41-Nb-86



41-Nb-86

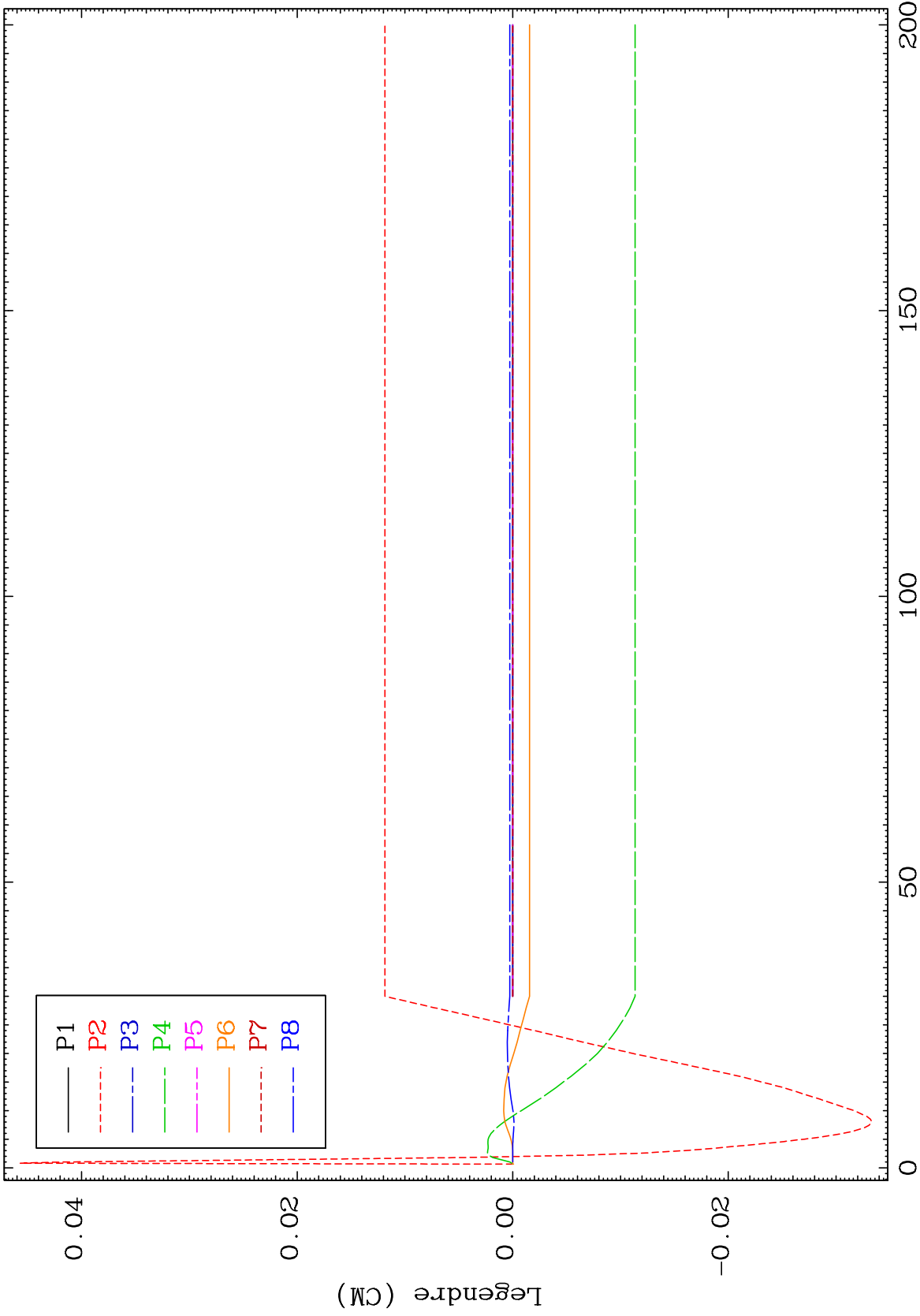
Incident Energy (MeV)

24

MAT 4104

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

41-Nb-86



25

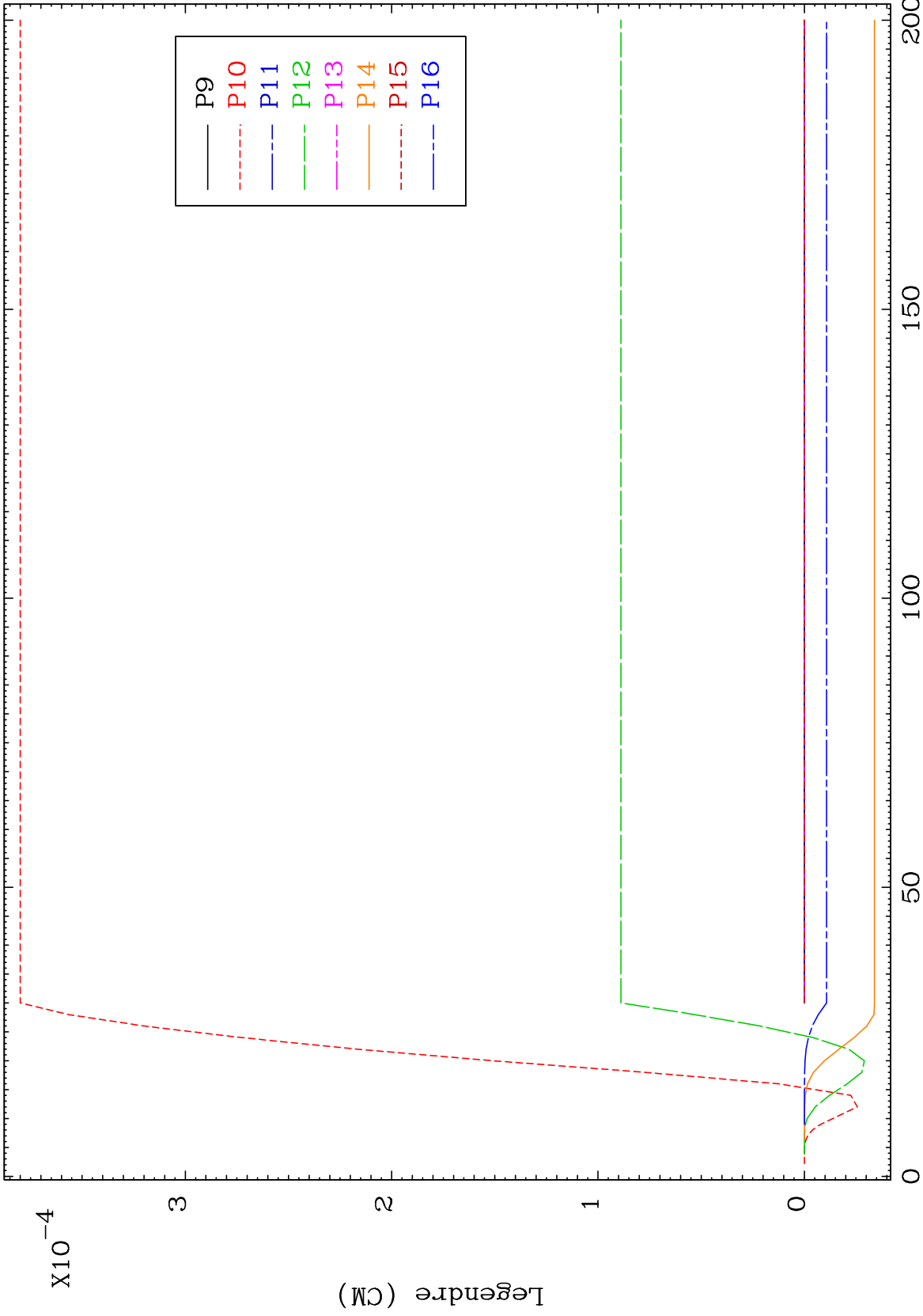
Incident Energy (MeV)

41-Nb-86

MAT 4104

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

41-Nb-86



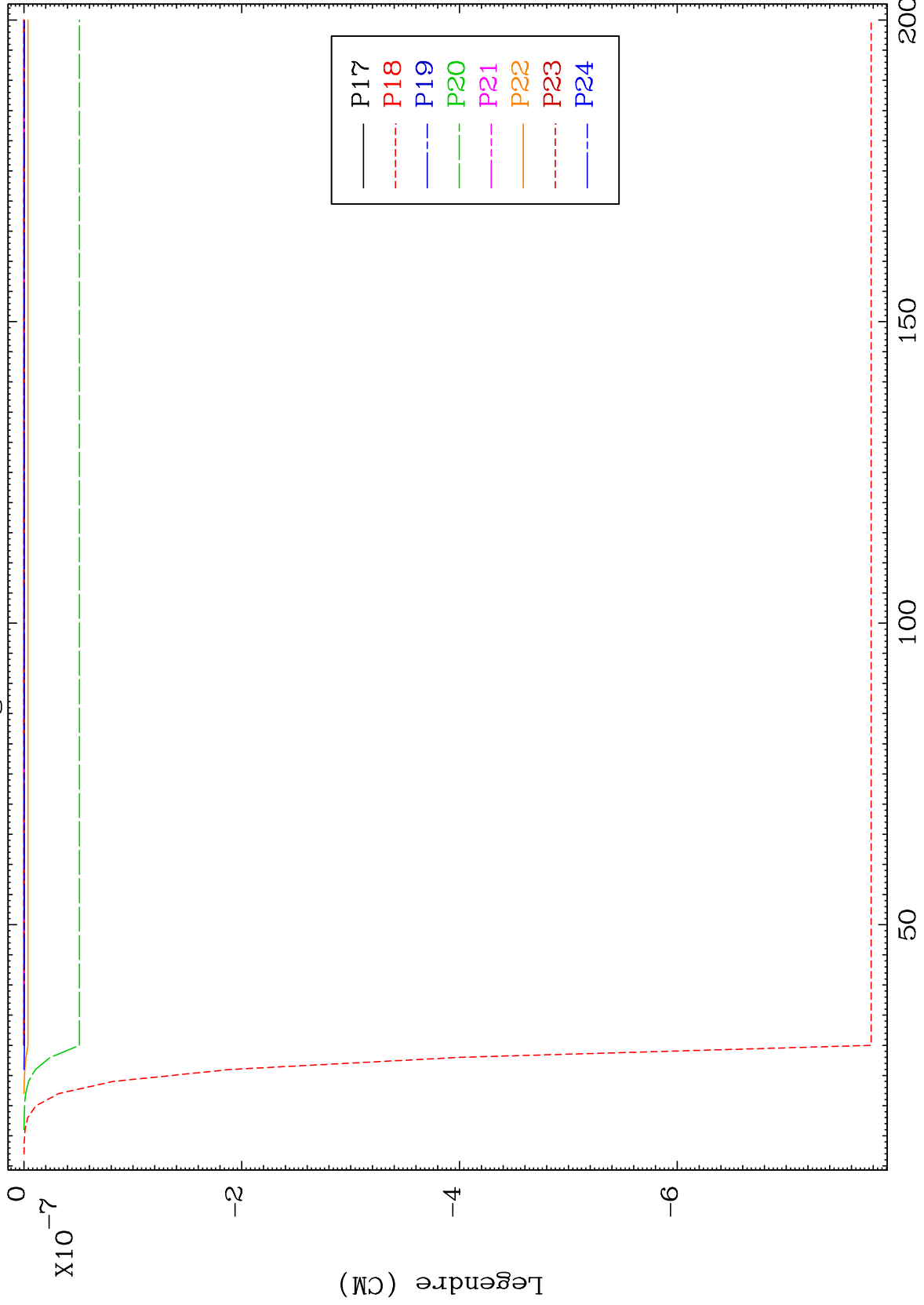
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41-Nb-86

MAT 4104

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

41-Nb-86



41-Nb-86

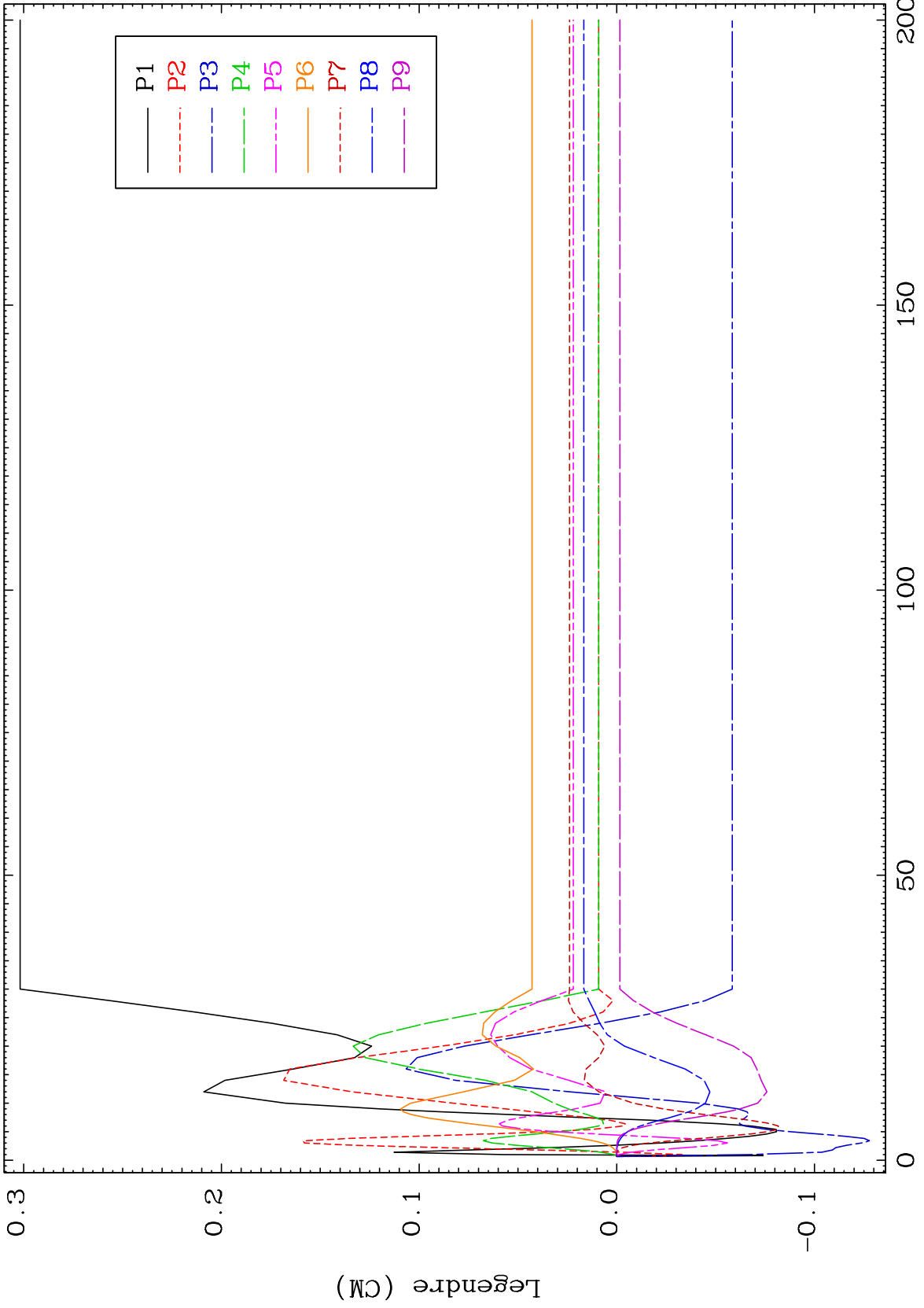
Incident Energy (MeV)

27

MAT 4104

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

41-Nb-86



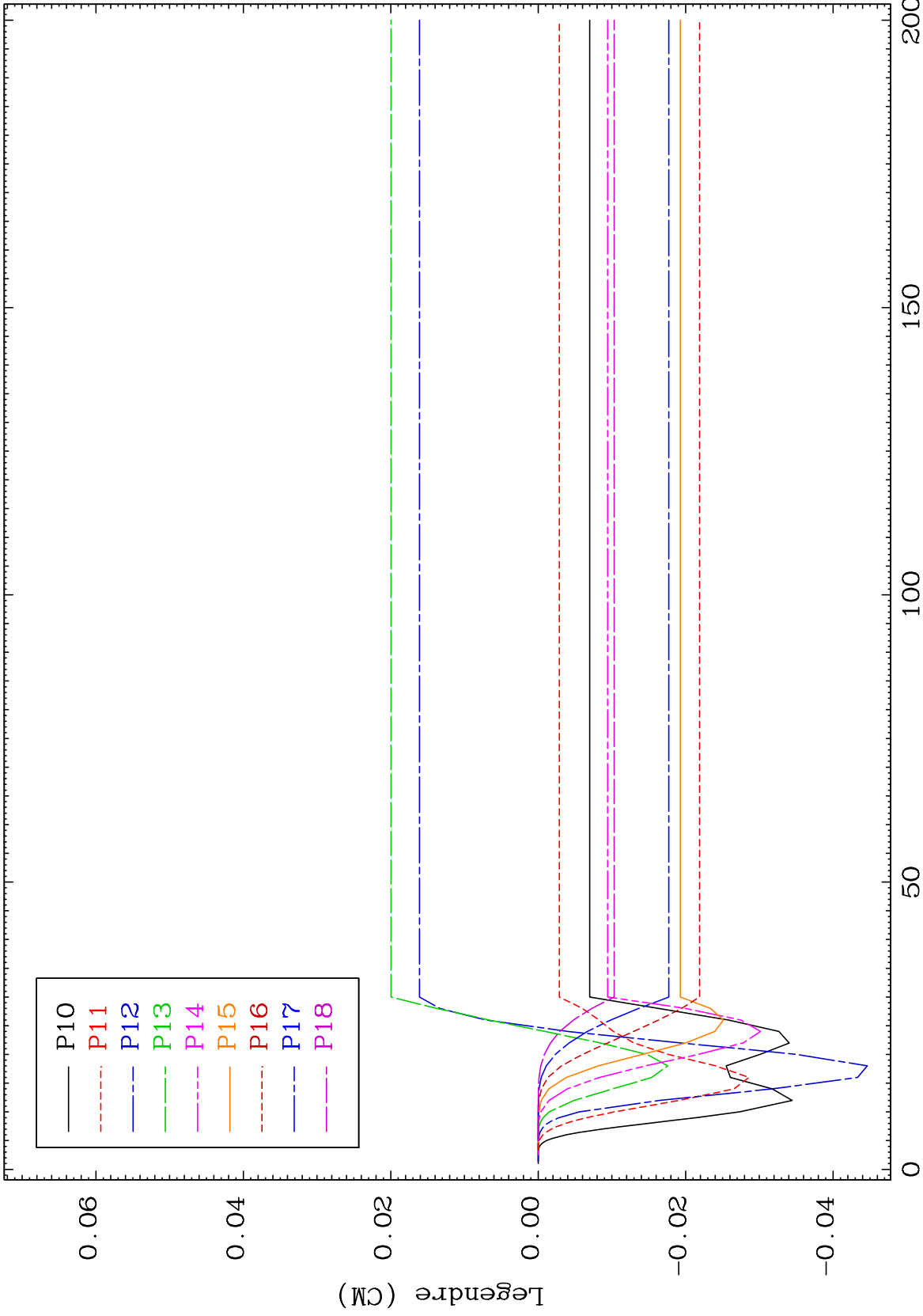
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41-Nb-86

MAT 4104

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

41-Nb-86



29

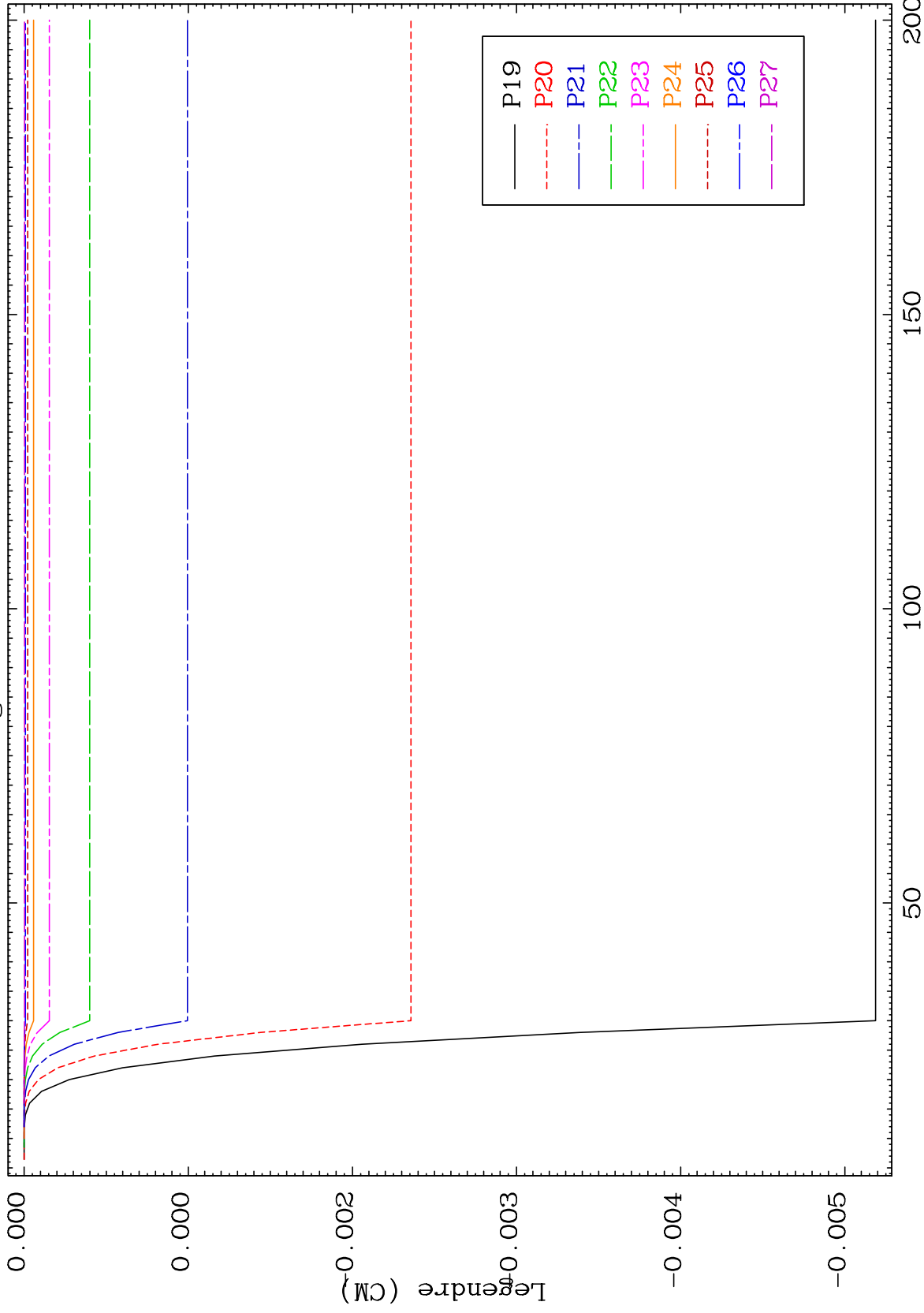
Incident Energy (MeV)

41-Nb-86

MAT 4104

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

41-Nb-86



30

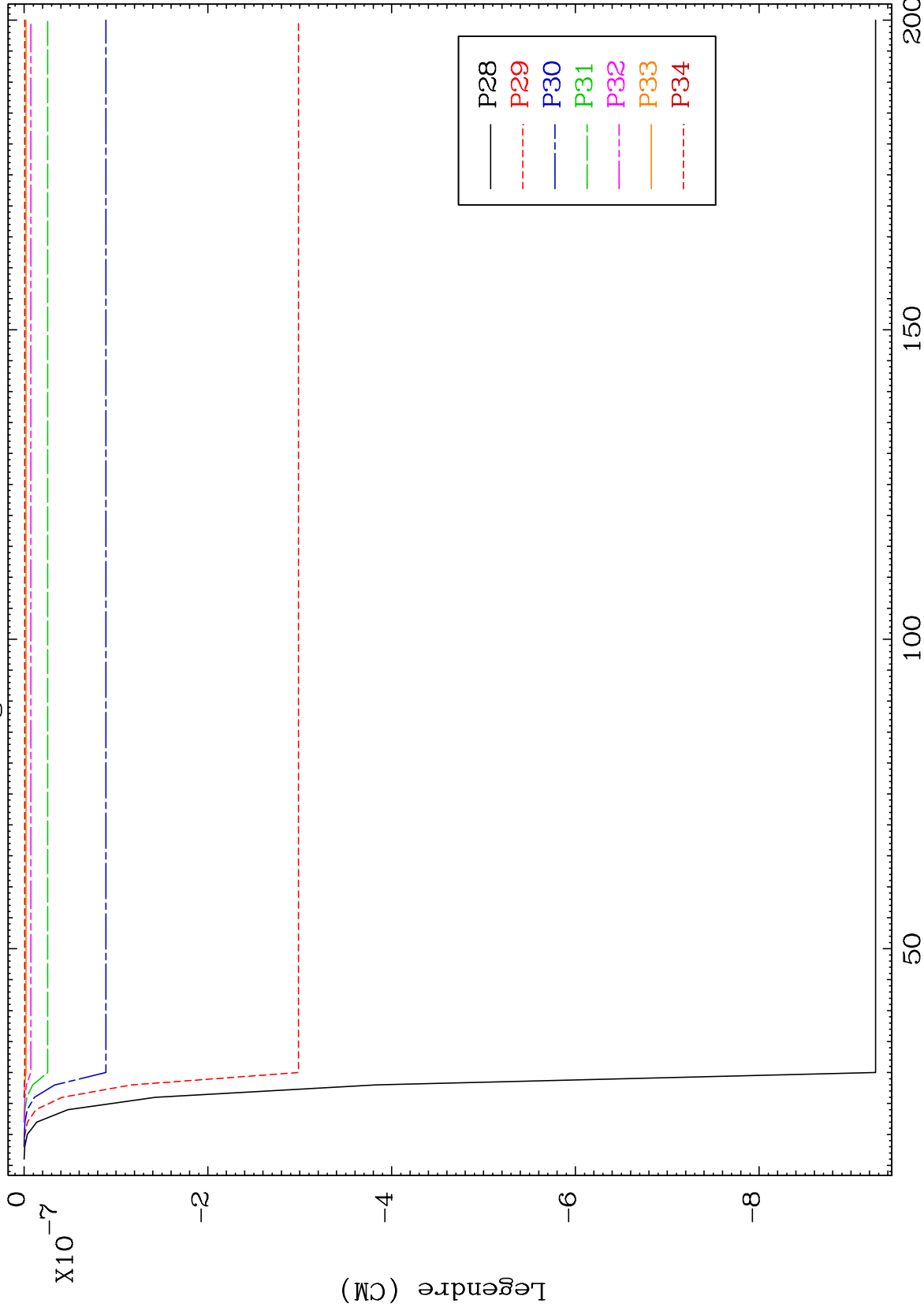
Incident Energy (MeV)

41-Nb-86

MAT 4104

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

41-Nb-86



41-Nb-86

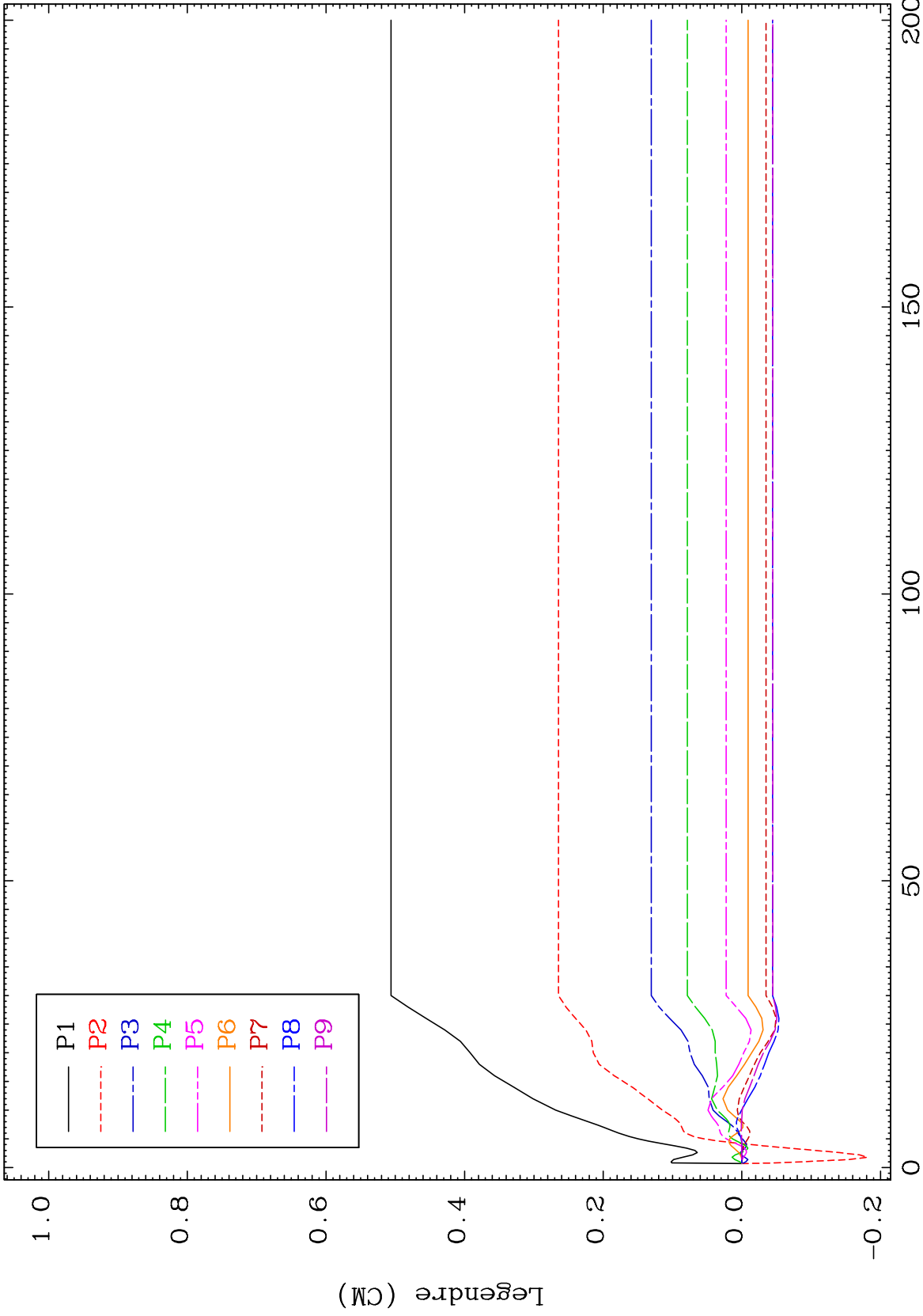
Incident Energy (MeV)

31

MAT 4104

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

41-Nb-86



32

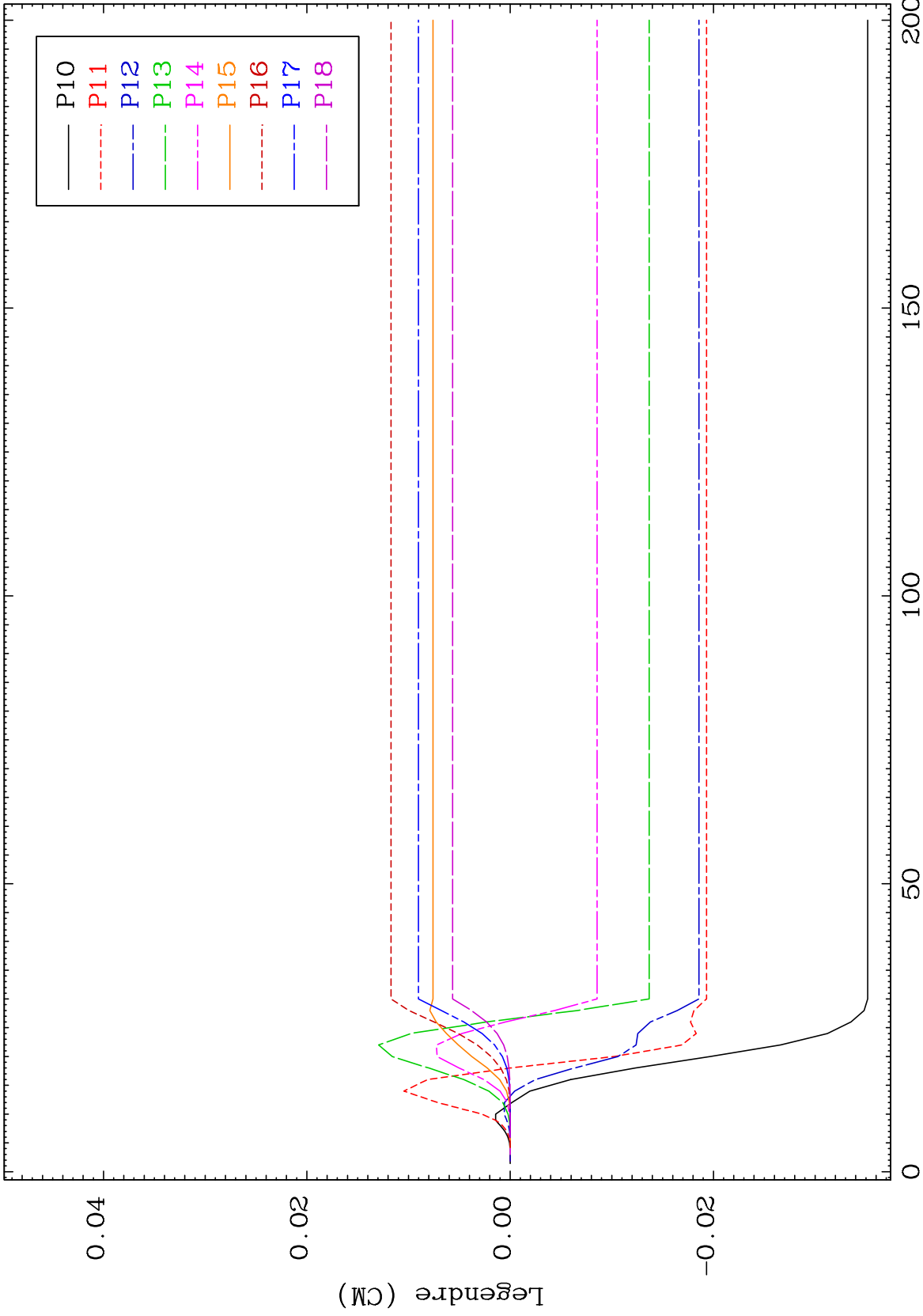
Incident Energy (MeV)

41-Nb-86

MAT 4104

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

41-Nb-86

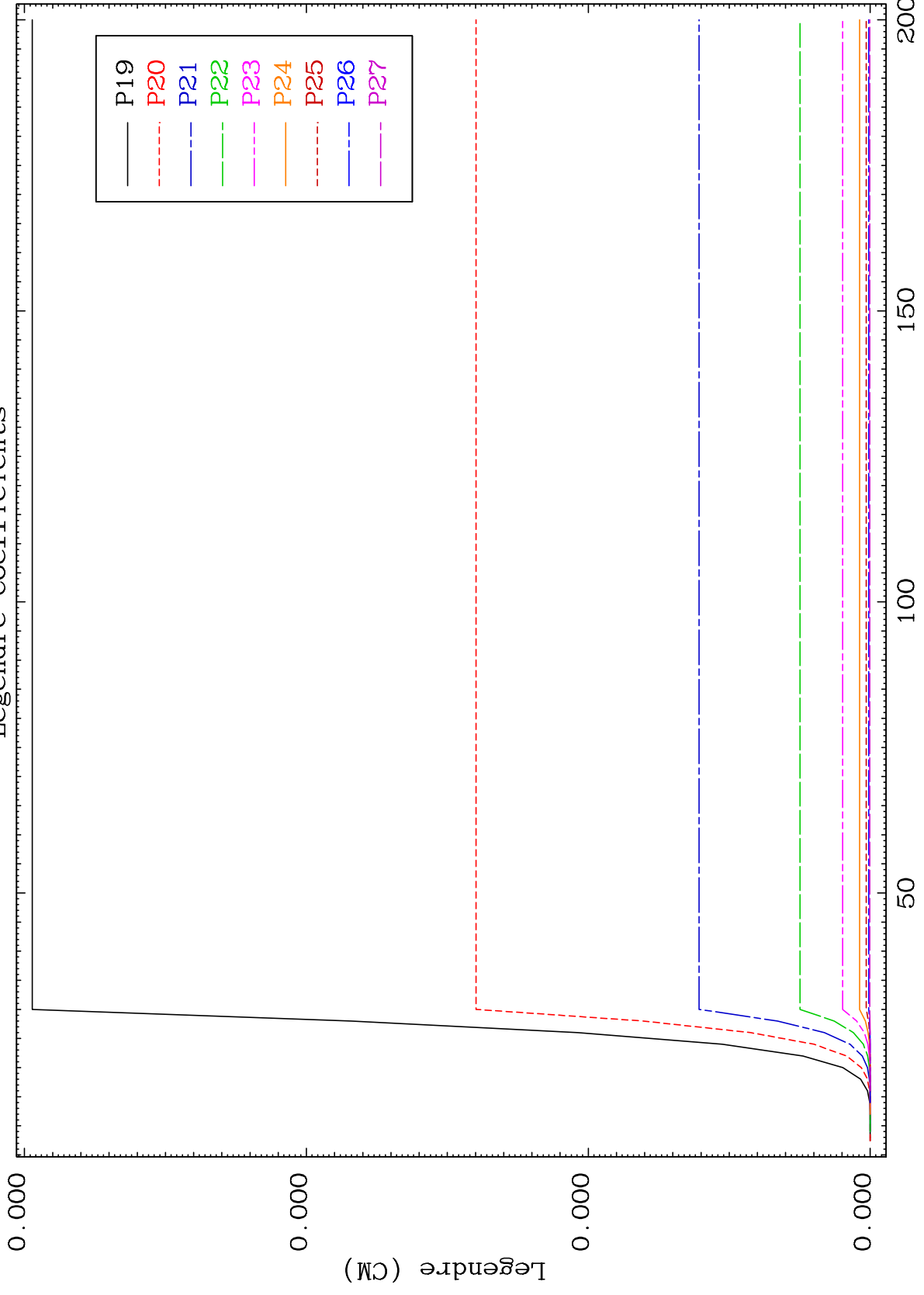


33

Incident Energy (MeV)

41-Nb-86

MAT 4104 MT= 55 (n,n') Level Legendre Coefficients 41-Nb-86

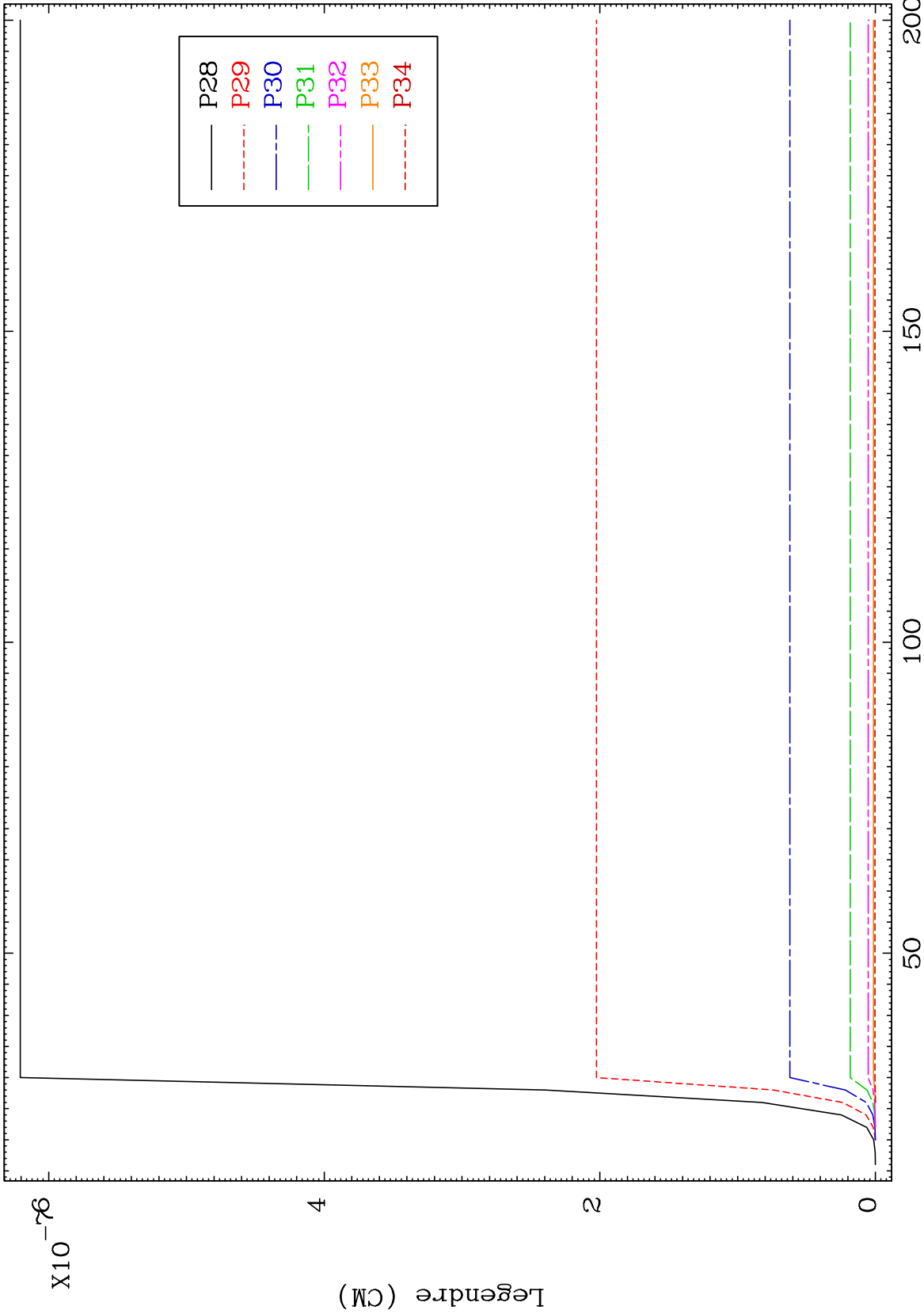


34 41-Nb-86

MAT 4104

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

41-Nb-86



35

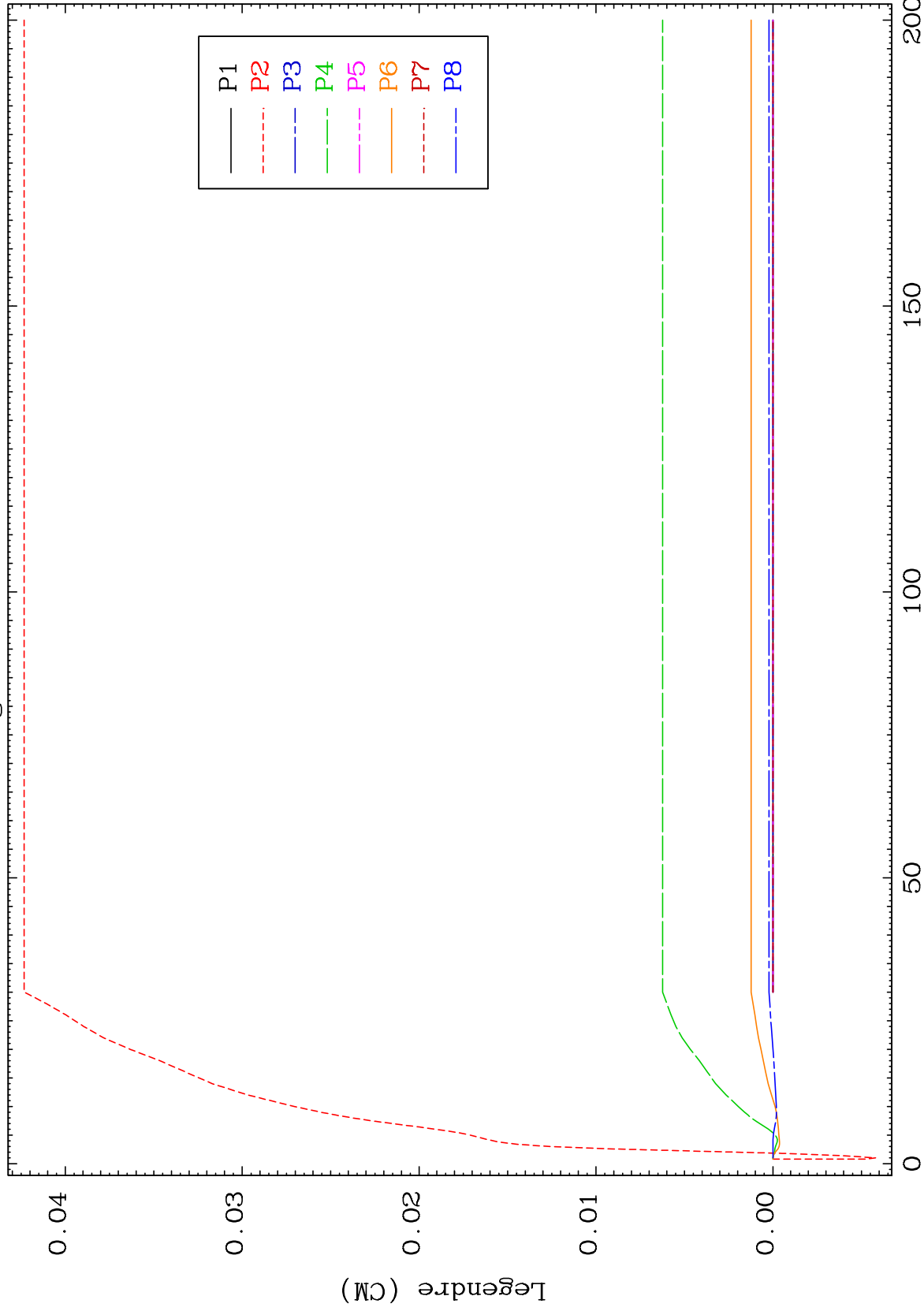
Incident Energy (MeV)

41-Nb-86

MAT 4104

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

41-Nb-86



36

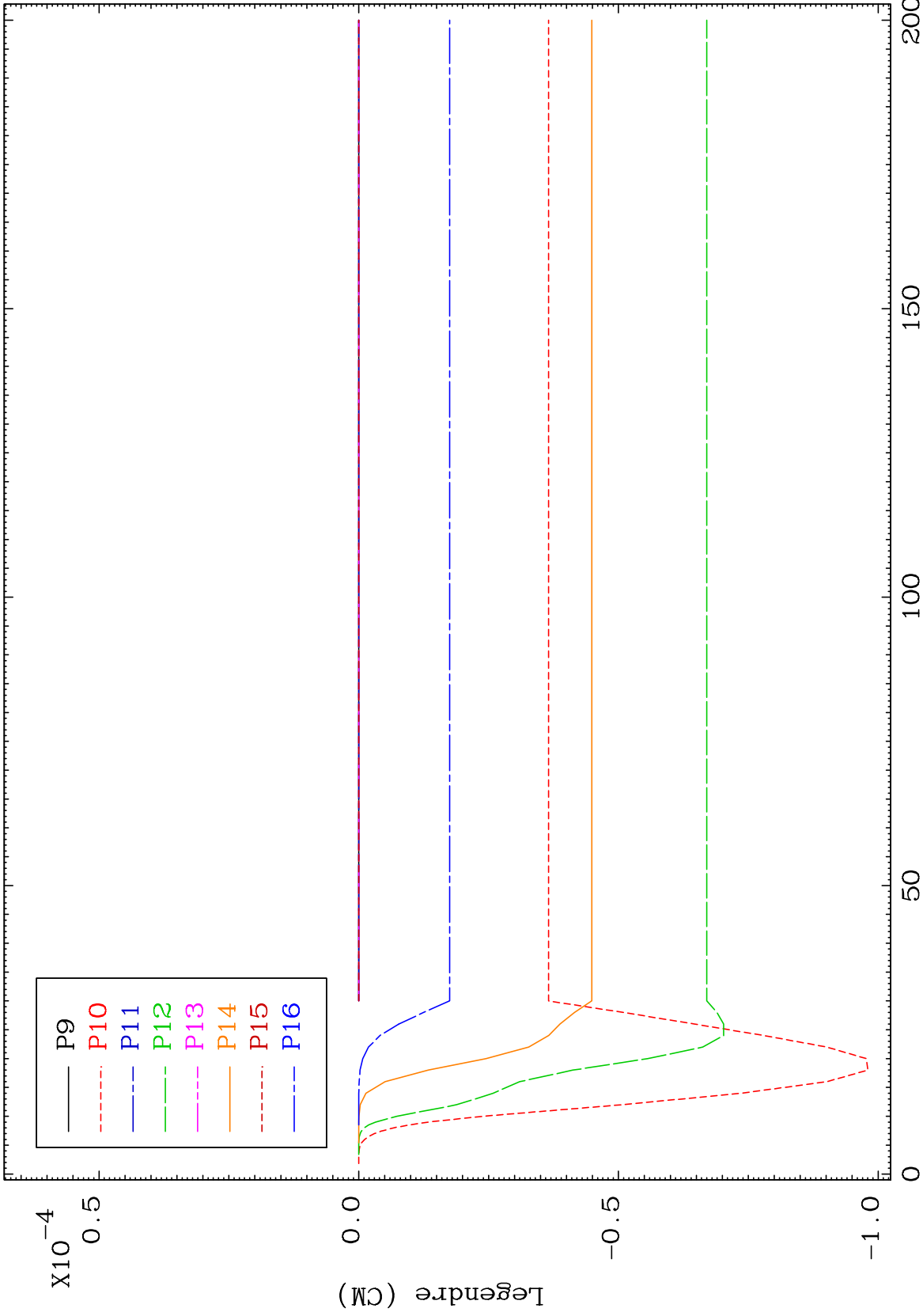
Incident Energy (MeV)

41-Nb-86

MAT 4104

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

41-Nb-86

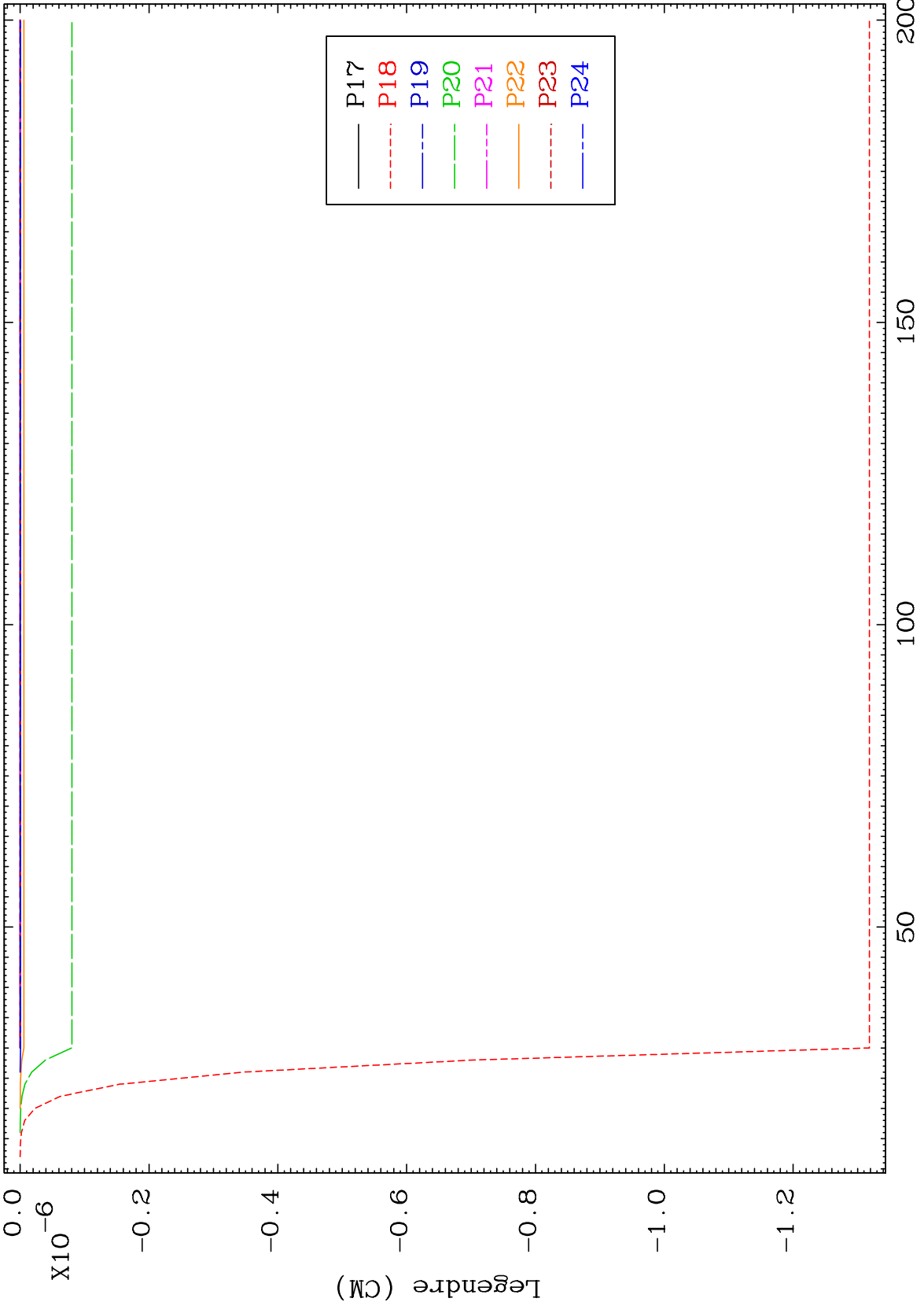


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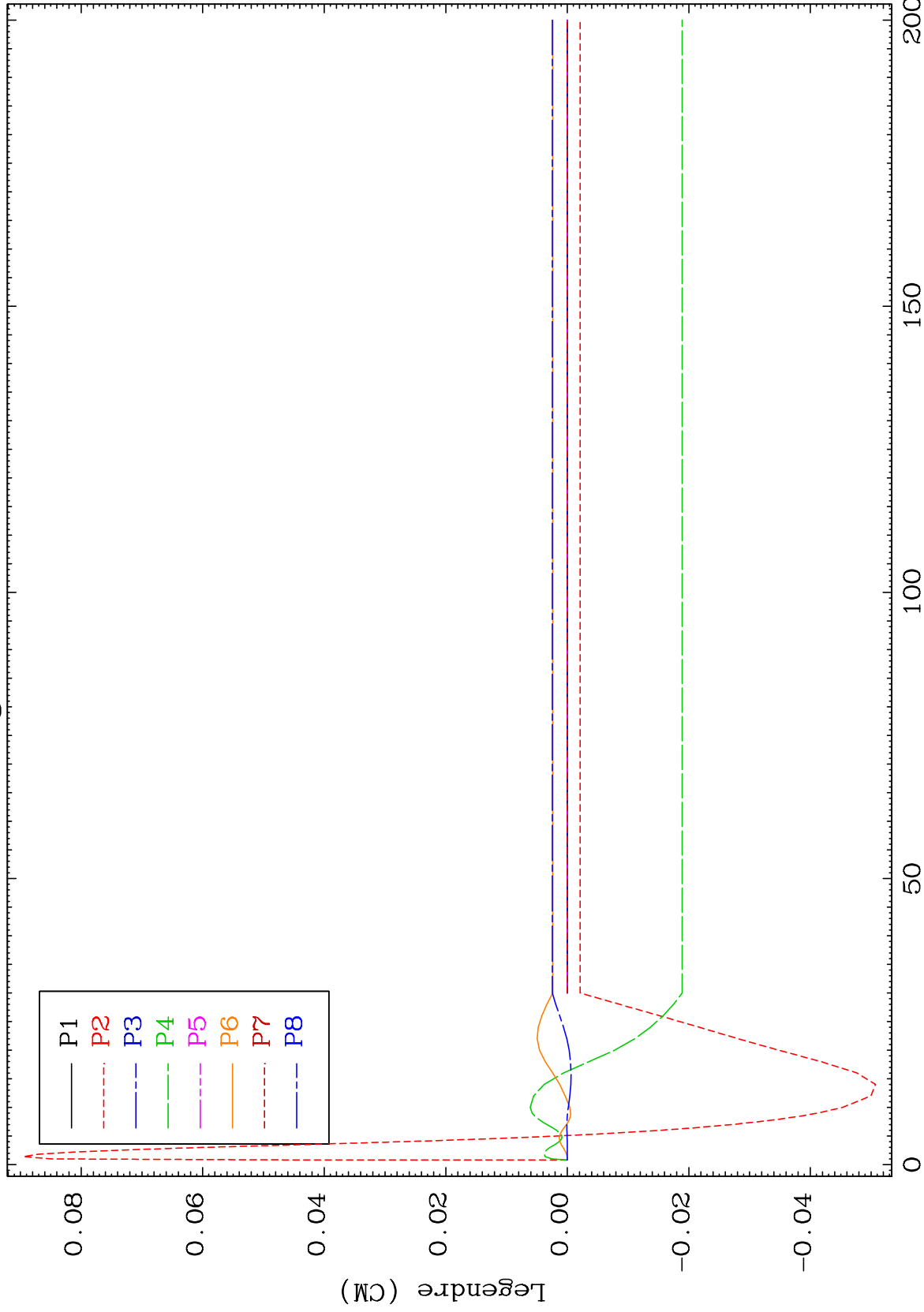
Incident Energy (MeV)

41-Nb-86

MAT 4104 MT= 56 (n,n') Level Legendre Coefficients 41-Nb-86



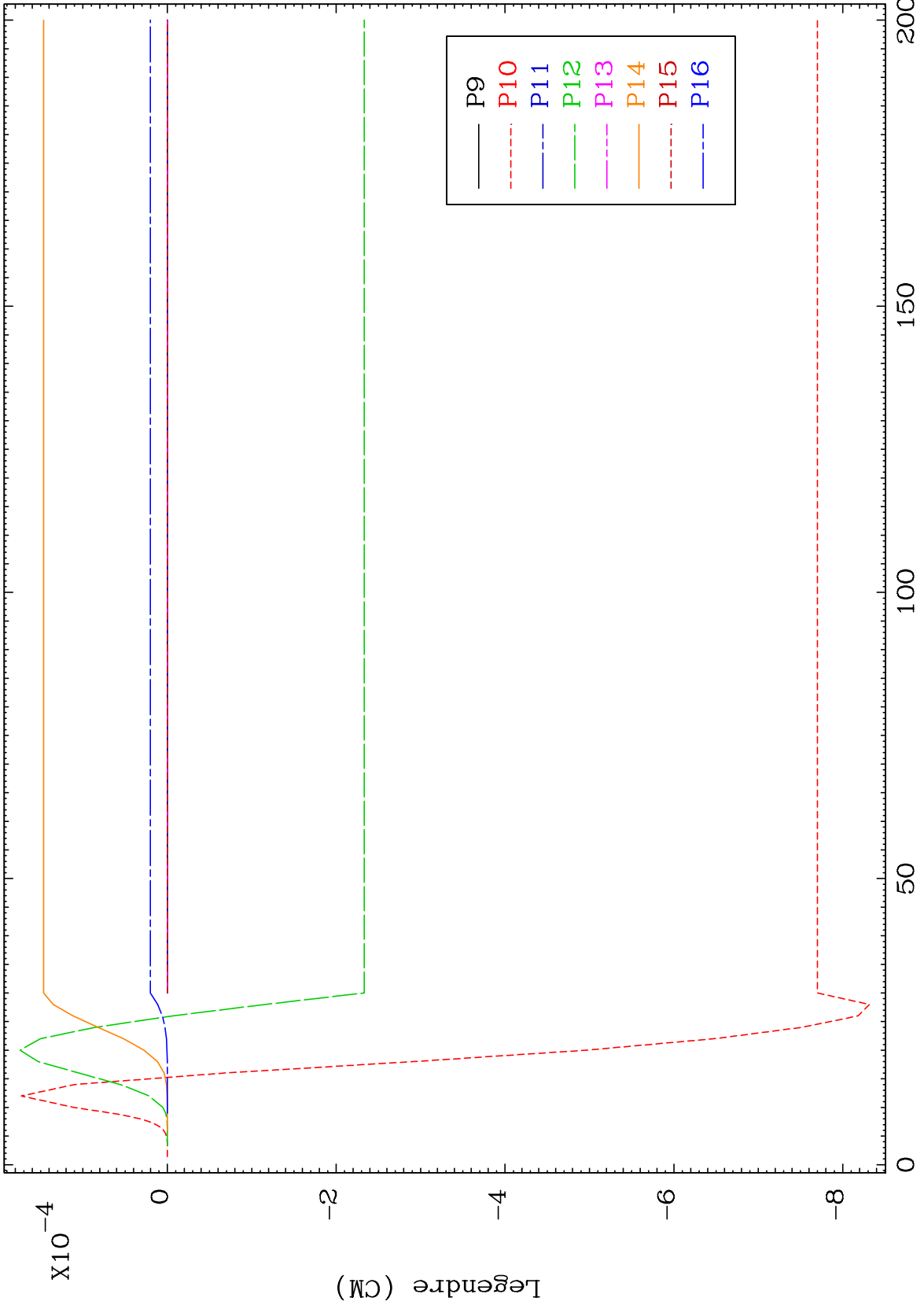
38 41-Nb-86



MAT 4104

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

41-Nb-86



40

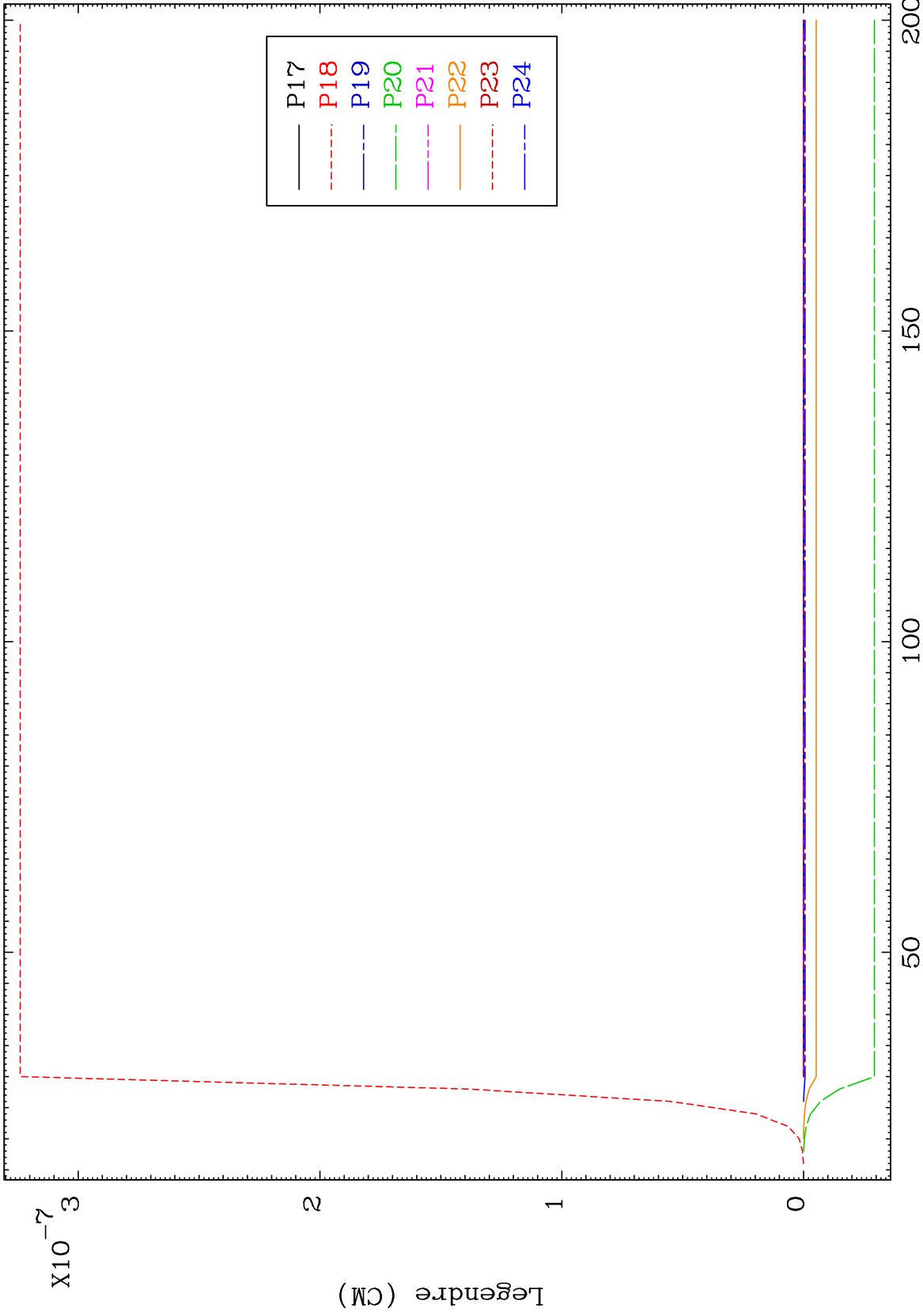
Incident Energy (MeV)

41-Nb-86

MAT 4104

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

41-Nb-86



41

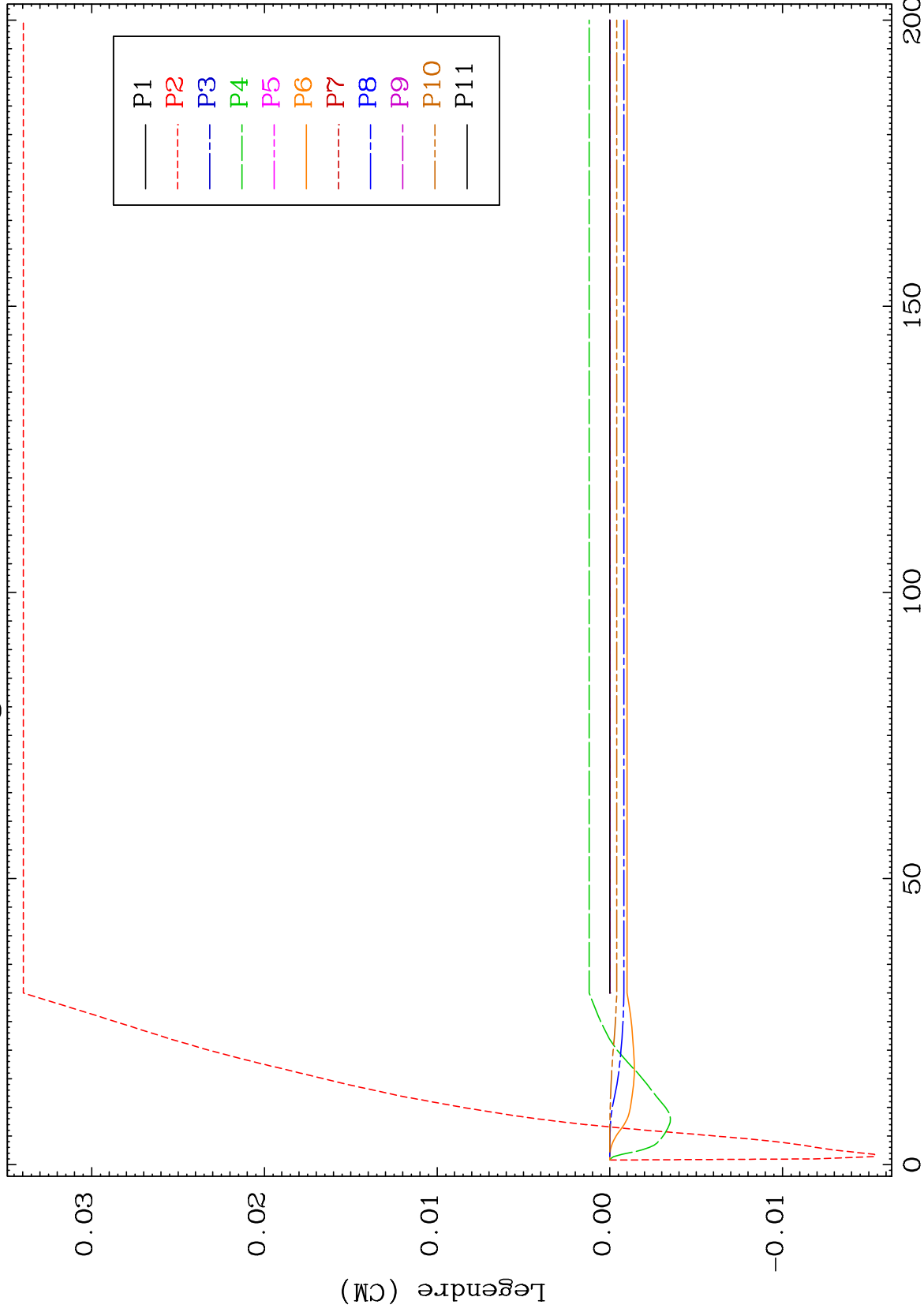
Incident Energy (MeV)

41-Nb-86

MAT 4104

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

41-Nb-86



42

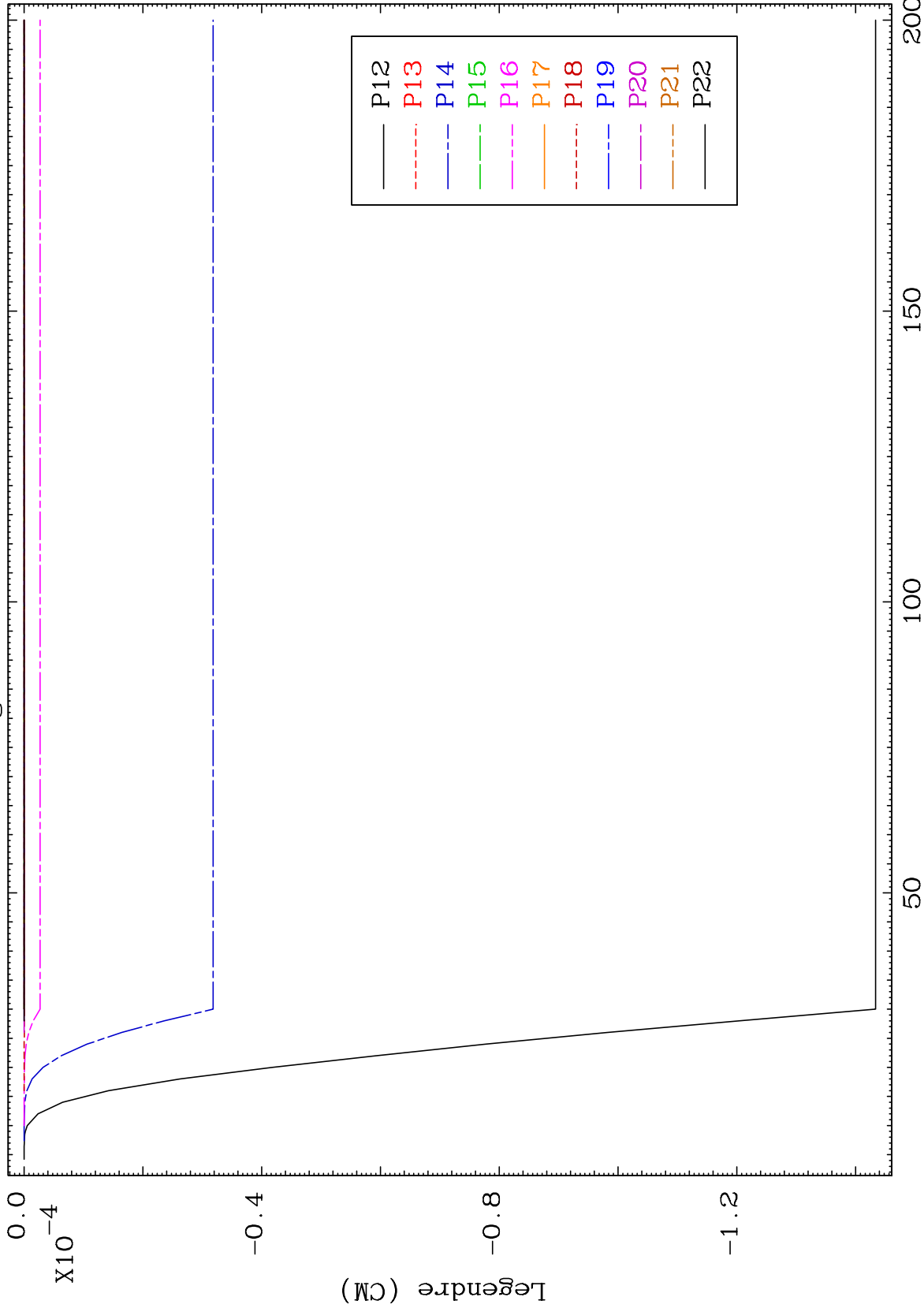
Incident Energy (MeV)

41-Nb-86

MAT 4104

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

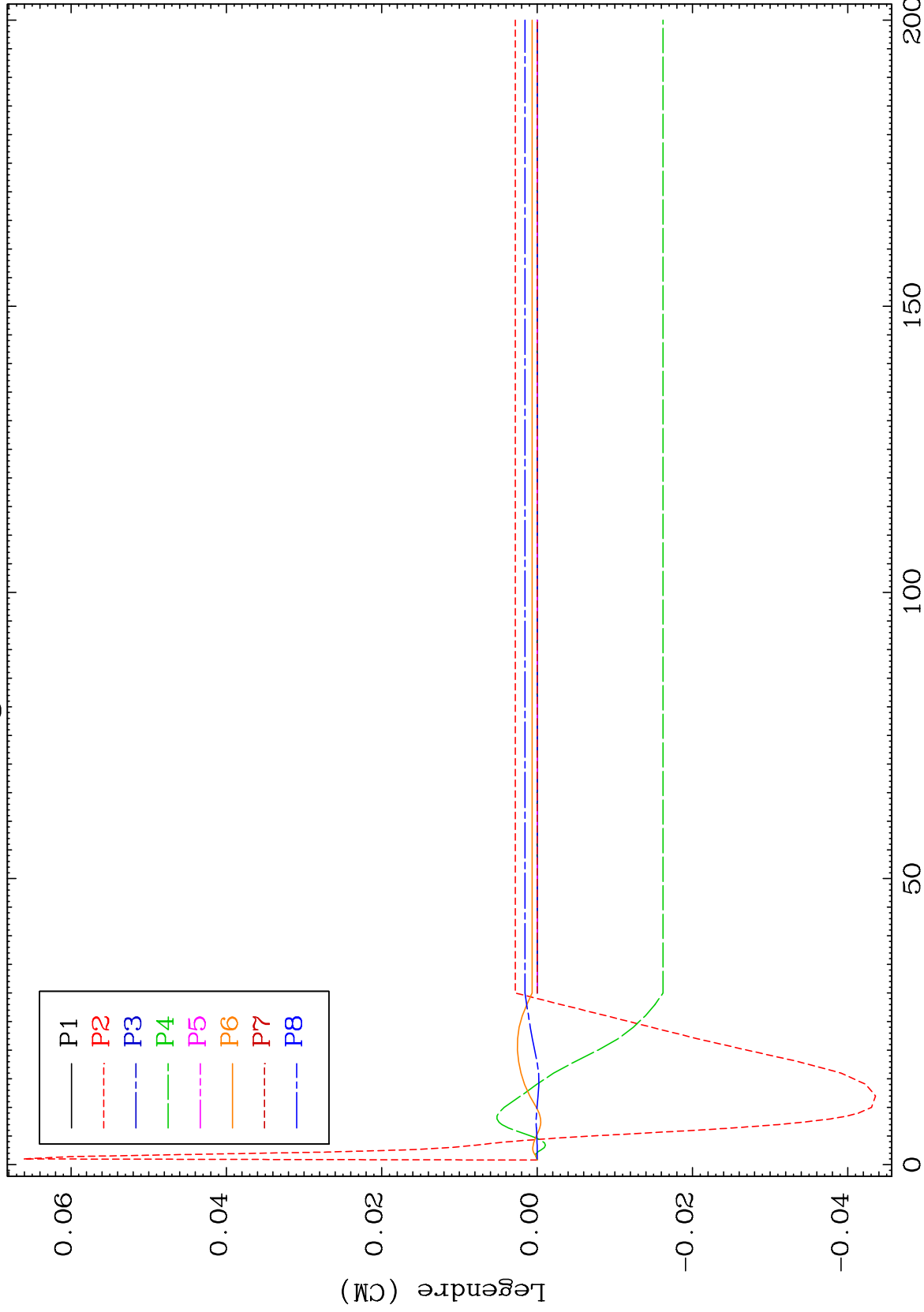
41-Nb-86



43

Incident Energy (MeV)

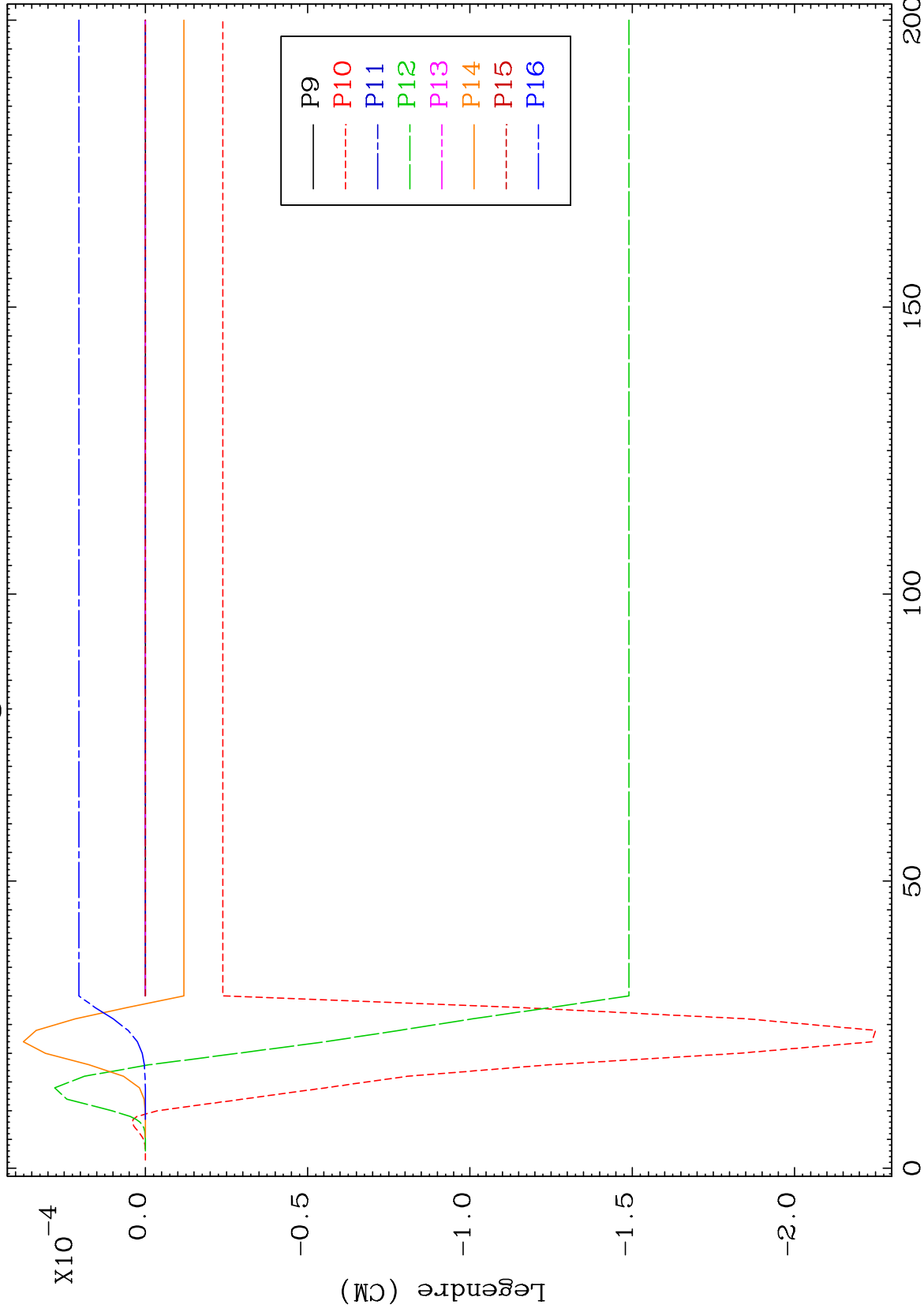
41-Nb-86



MAT 4104

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

41-Nb-86



45

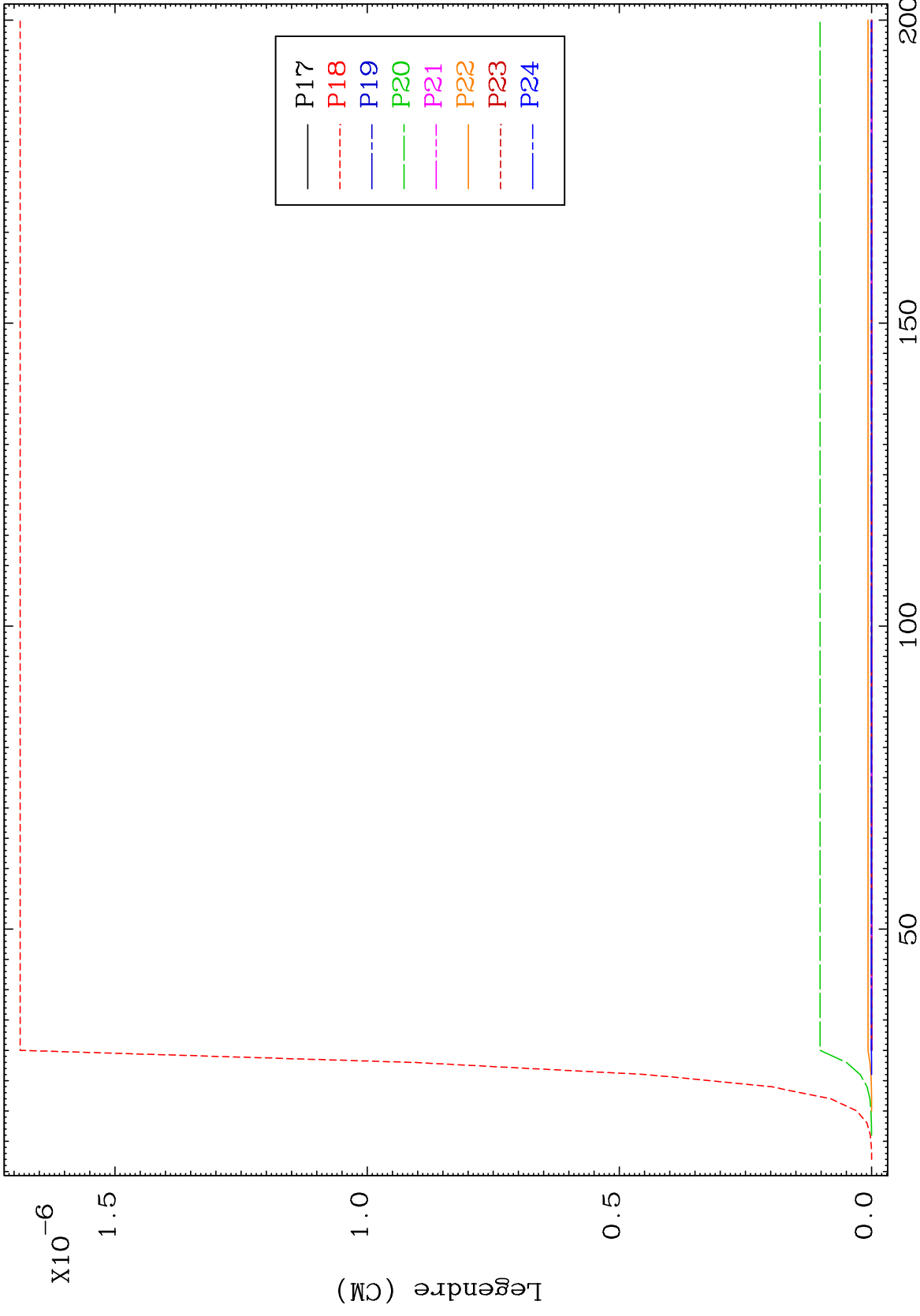
Incident Energy (MeV)

41-Nb-86

MAT 4104

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

41-Nb-86



46

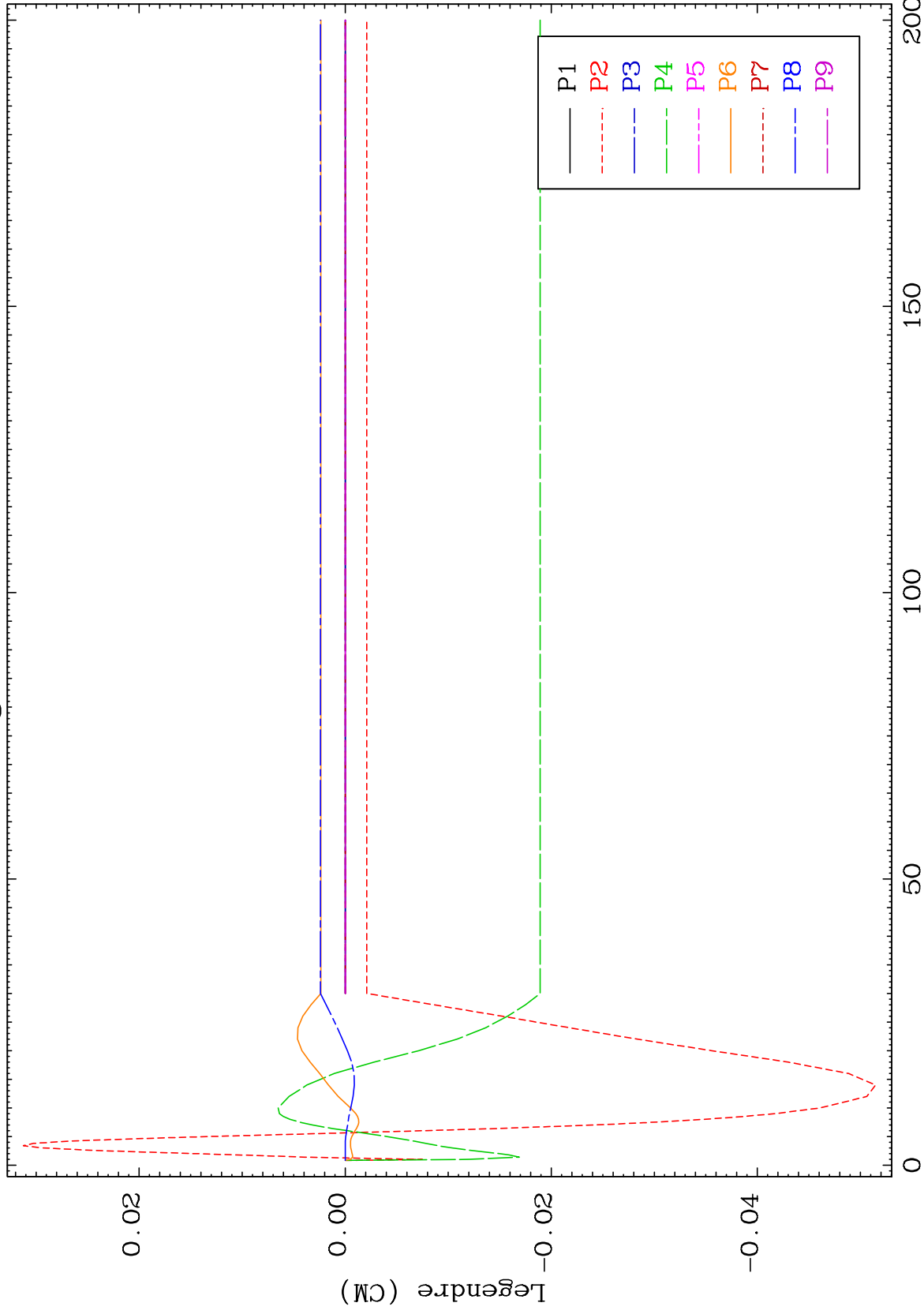
Incident Energy (MeV)

41-Nb-86

MAT 4104

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

41-Nb-86



47

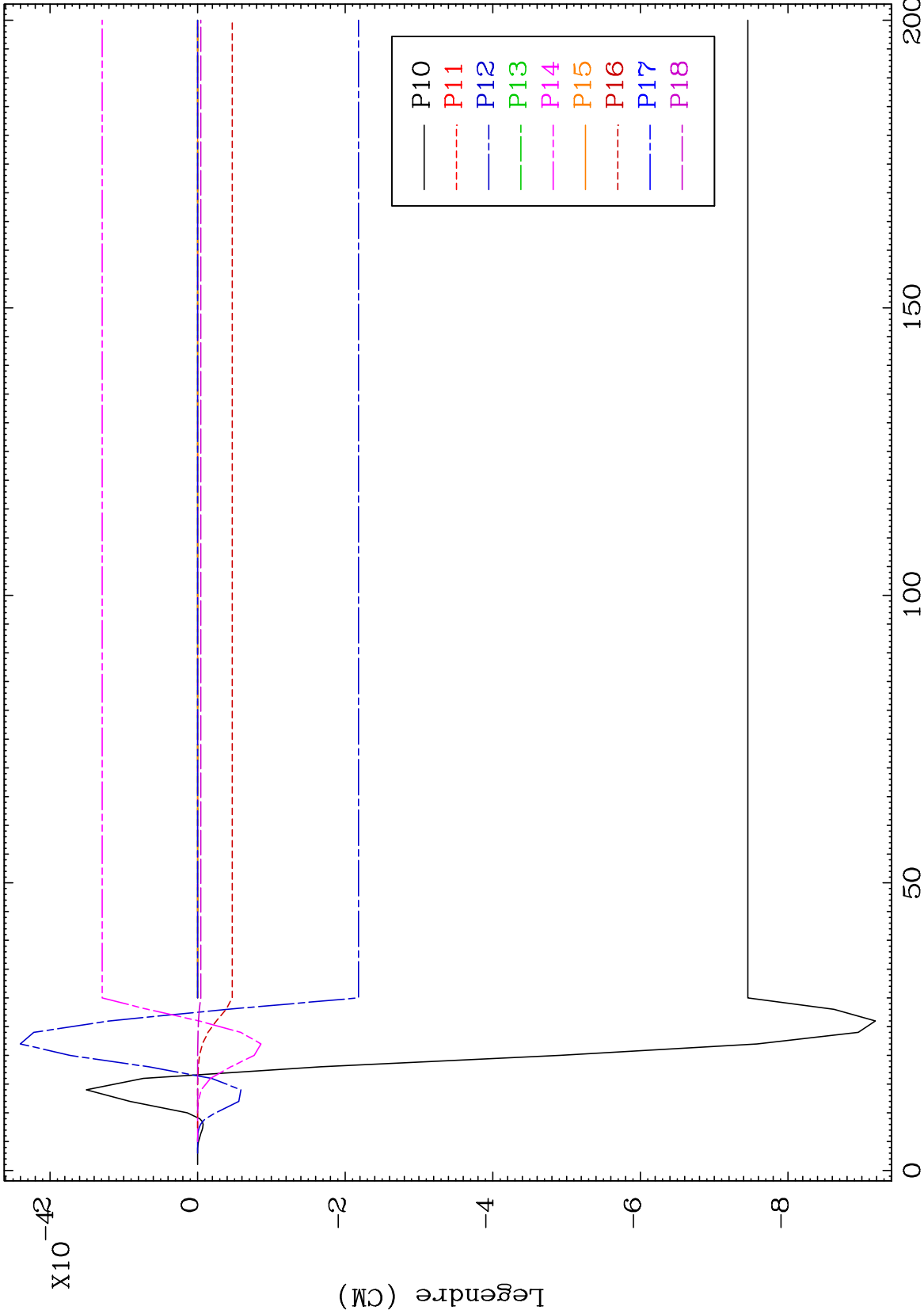
Incident Energy (MeV)

41-Nb-86

MAT 4104

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

41-Nb-86



48

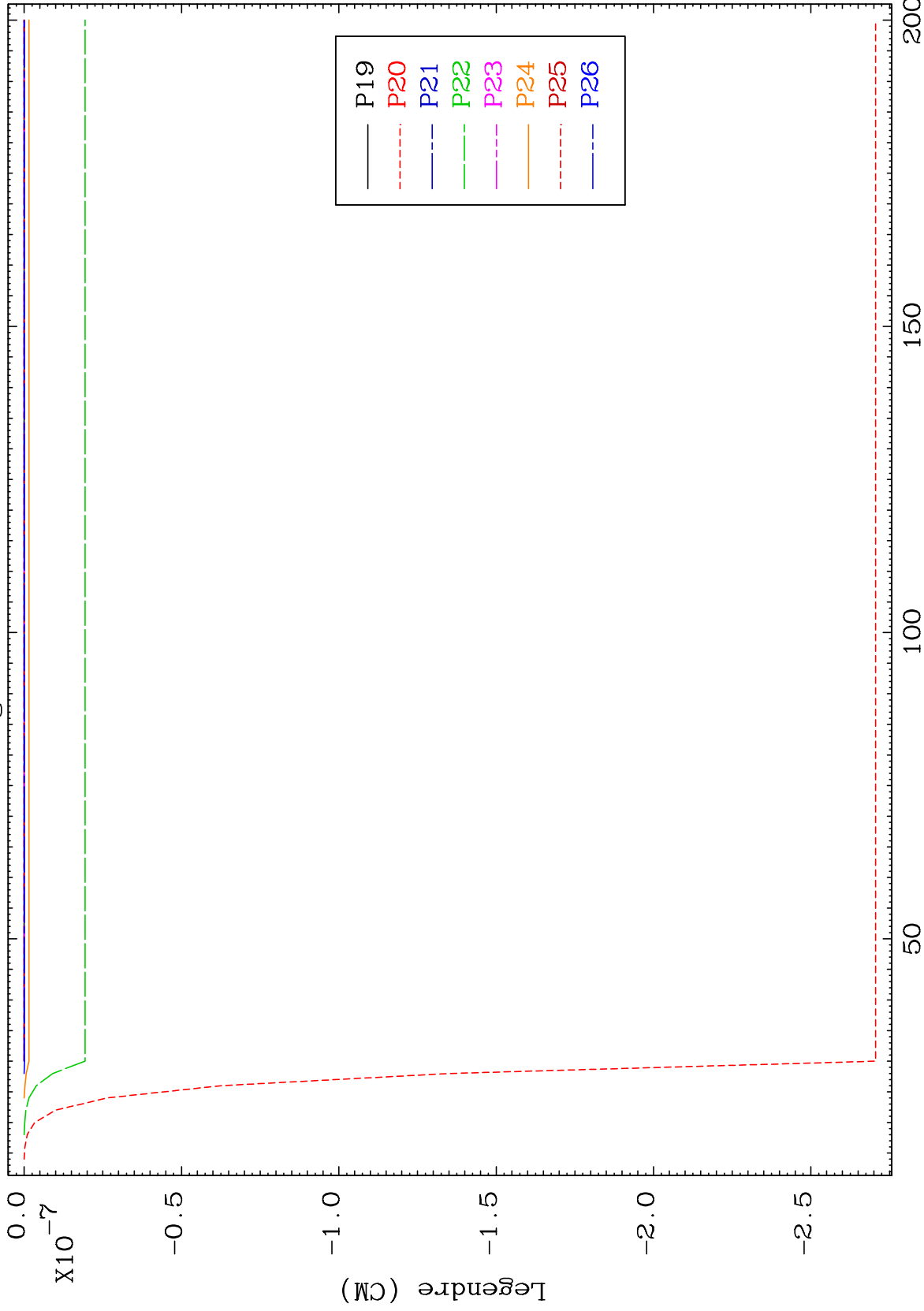
Incident Energy (MeV)

41-Nb-86

MAT 4104

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

41-Nb-86



49

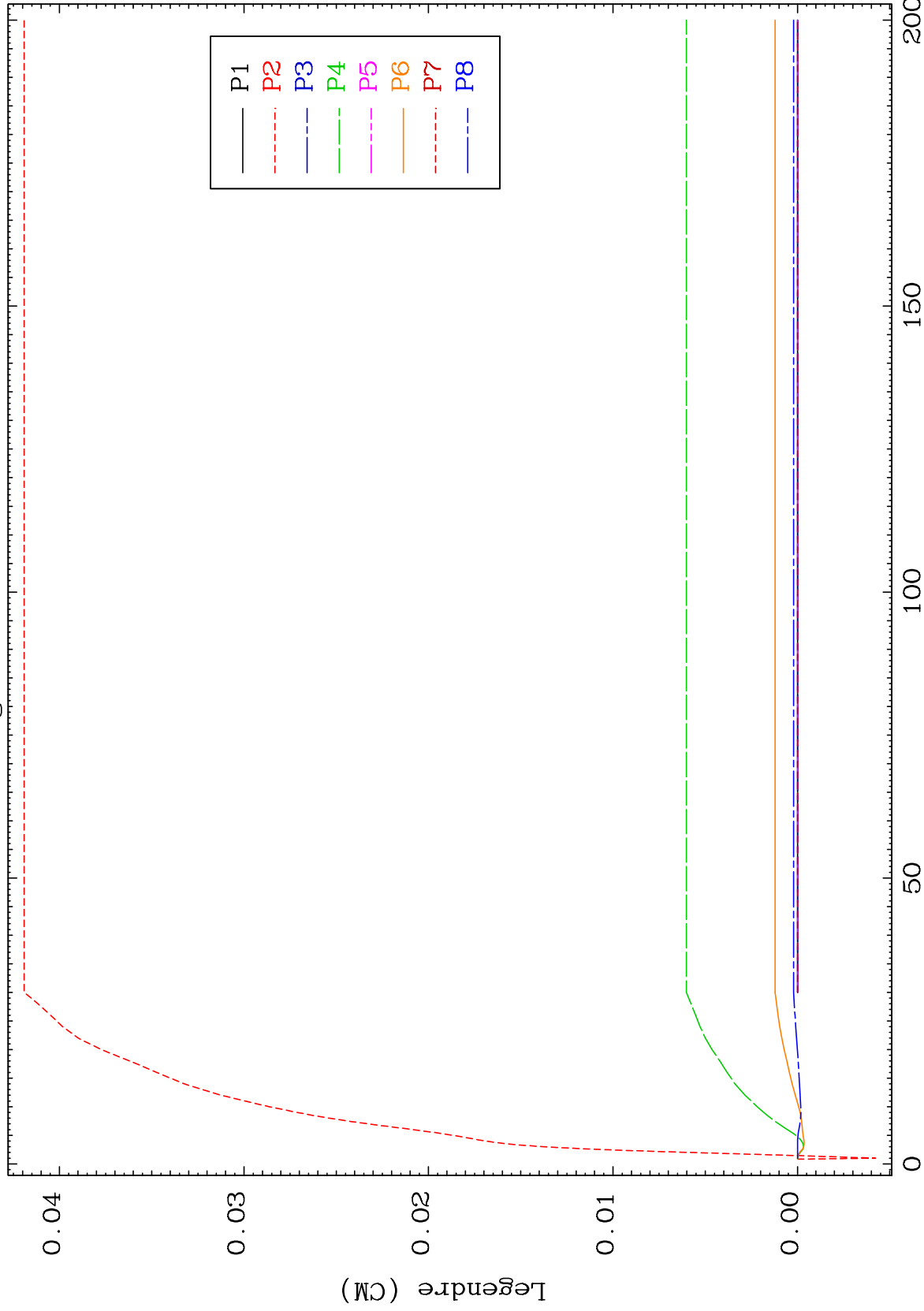
Incident Energy (MeV)

41-Nb-86

MAT 4104

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

41-Nb-86

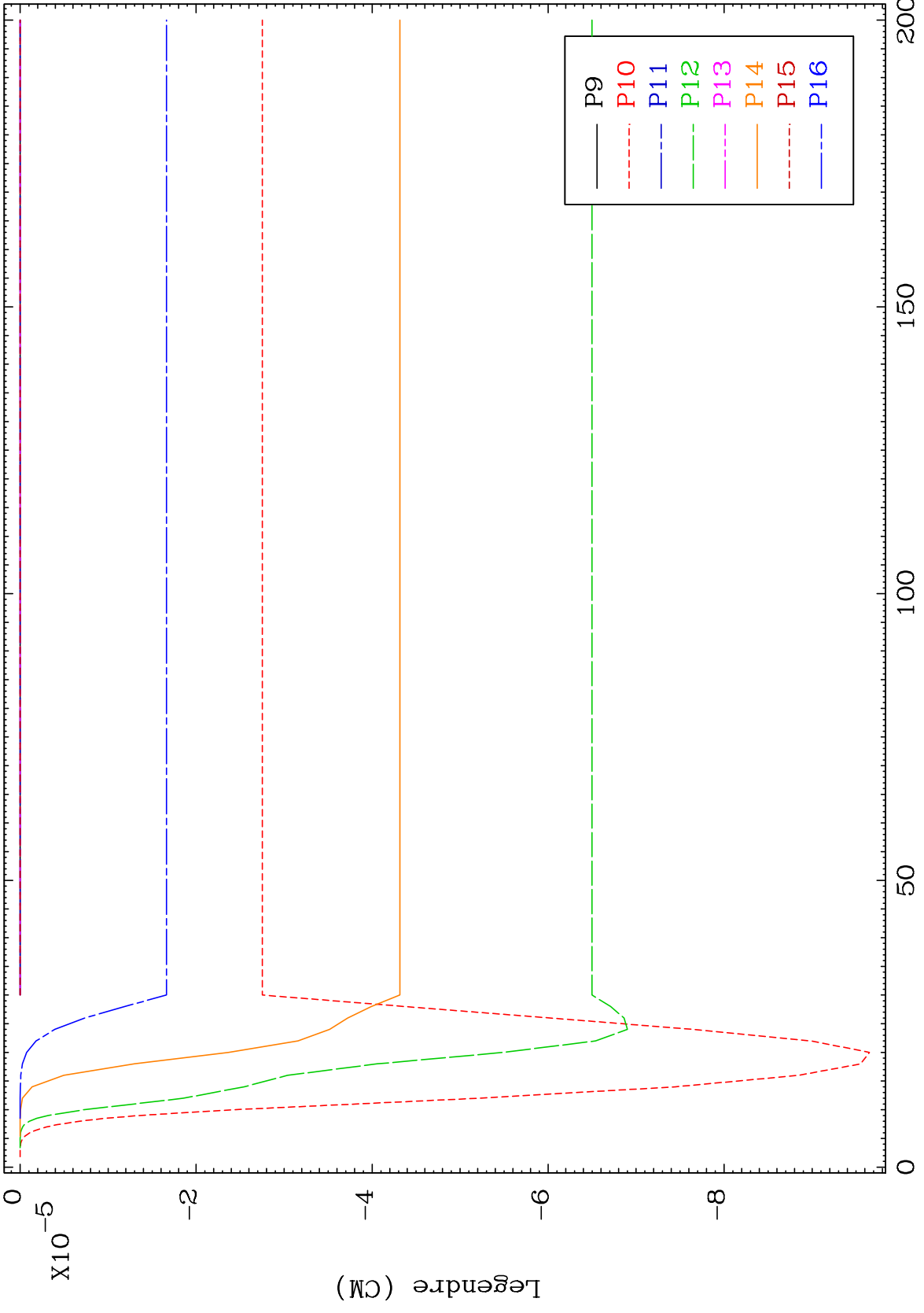


41-Nb-86

Incident Energy (MeV)

50

MAT 4104 MT= 61 (n,n') Level Legendre Coefficients 41-Nb-86

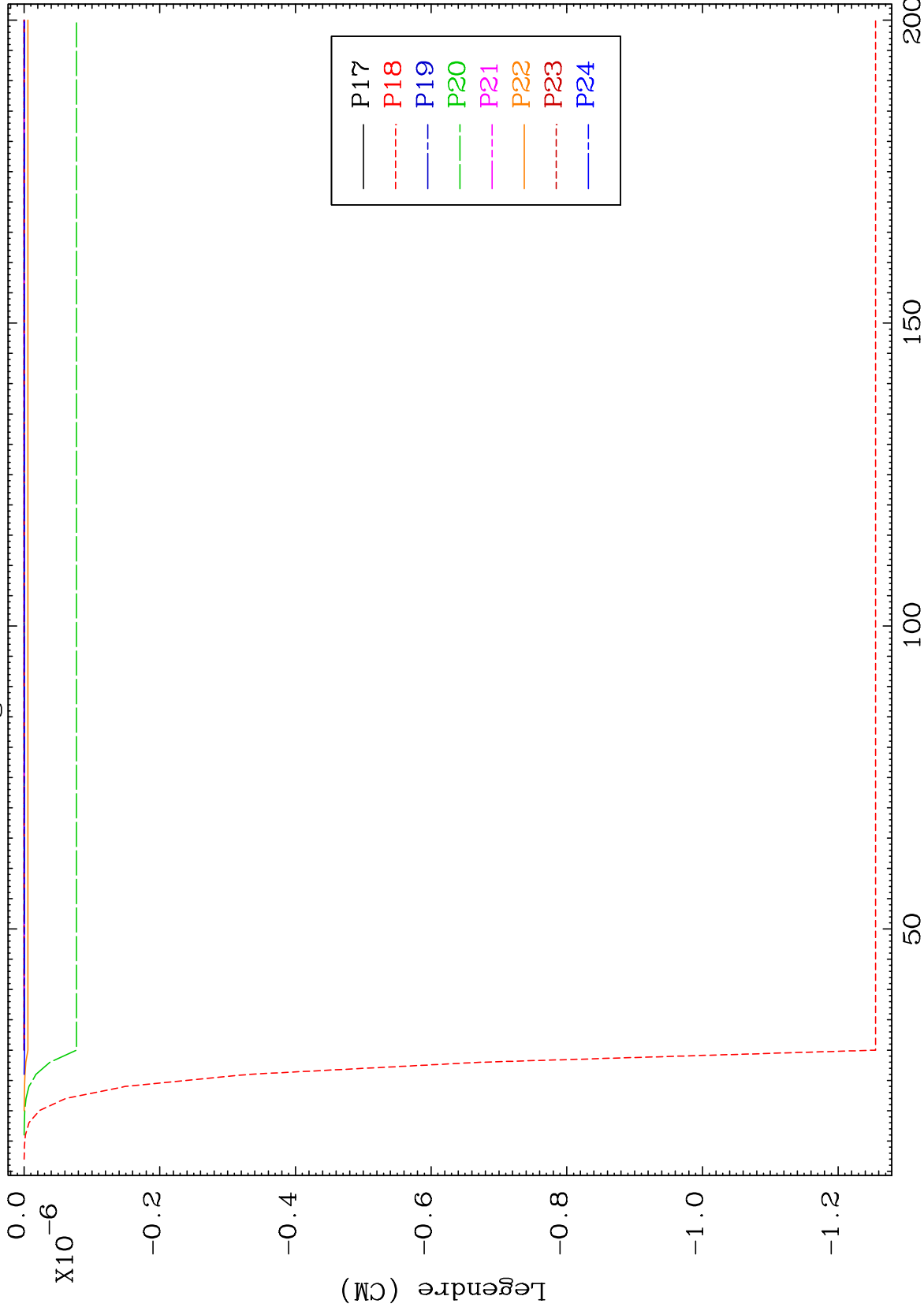


51 41-Nb-86

MAT 4104

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

41-Nb-86



41-Nb-86

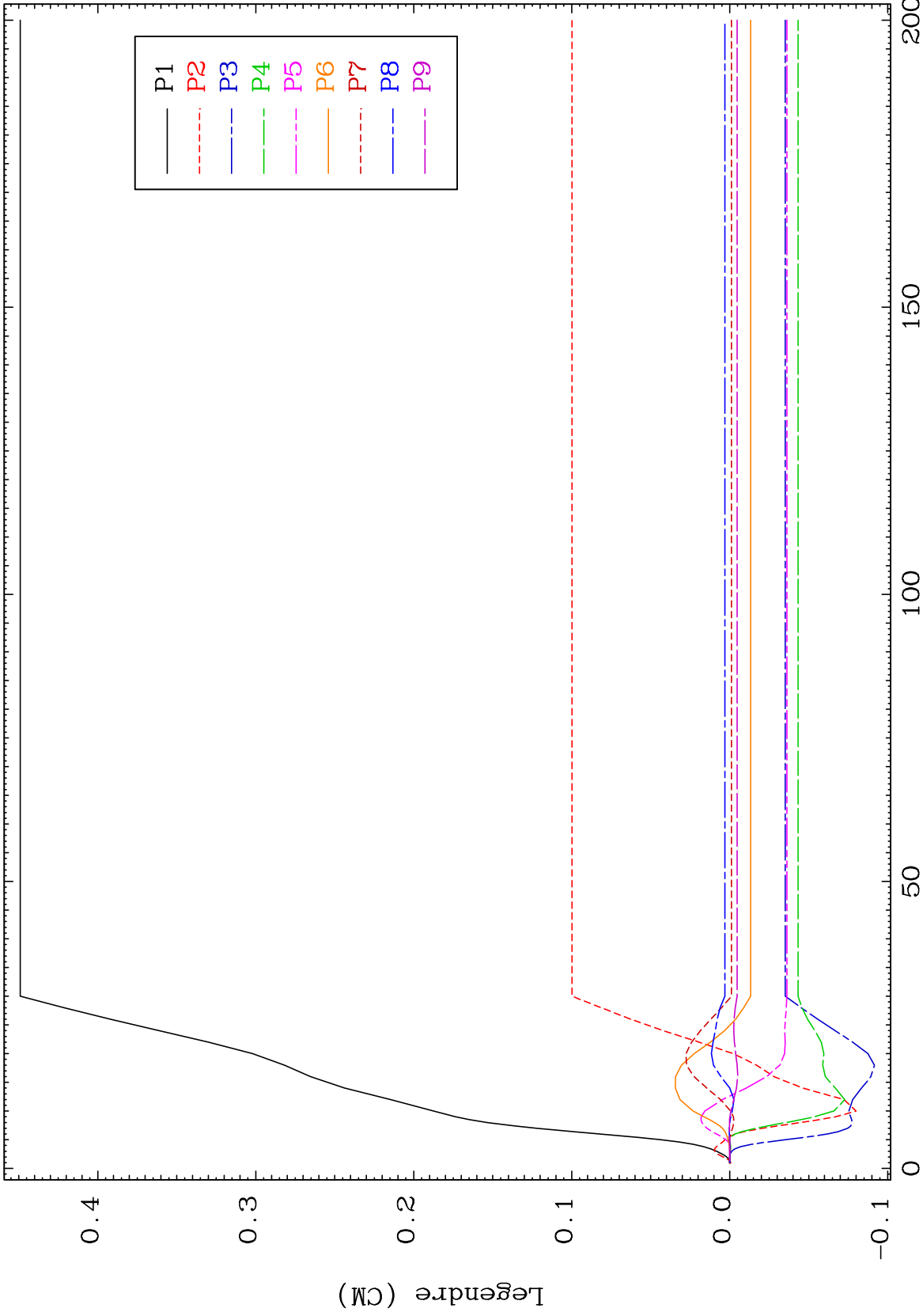
Incident Energy (MeV)

52

MAT 4104

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

41-Nb-86

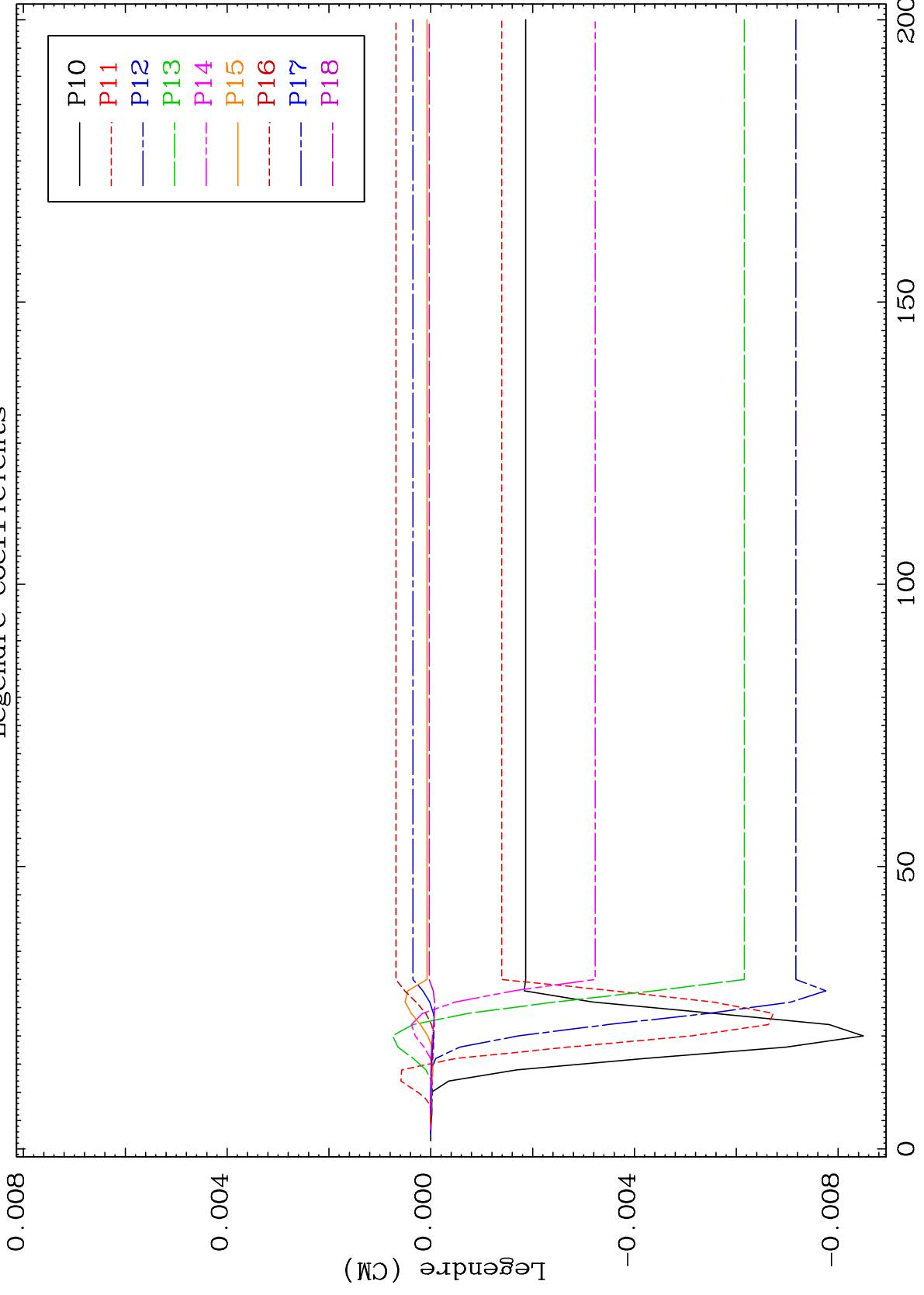


53

Incident Energy (MeV)

41-Nb-86

MAT 4104 MT= 62 (n,n') Level Legendre Coefficients 41-Nb-86

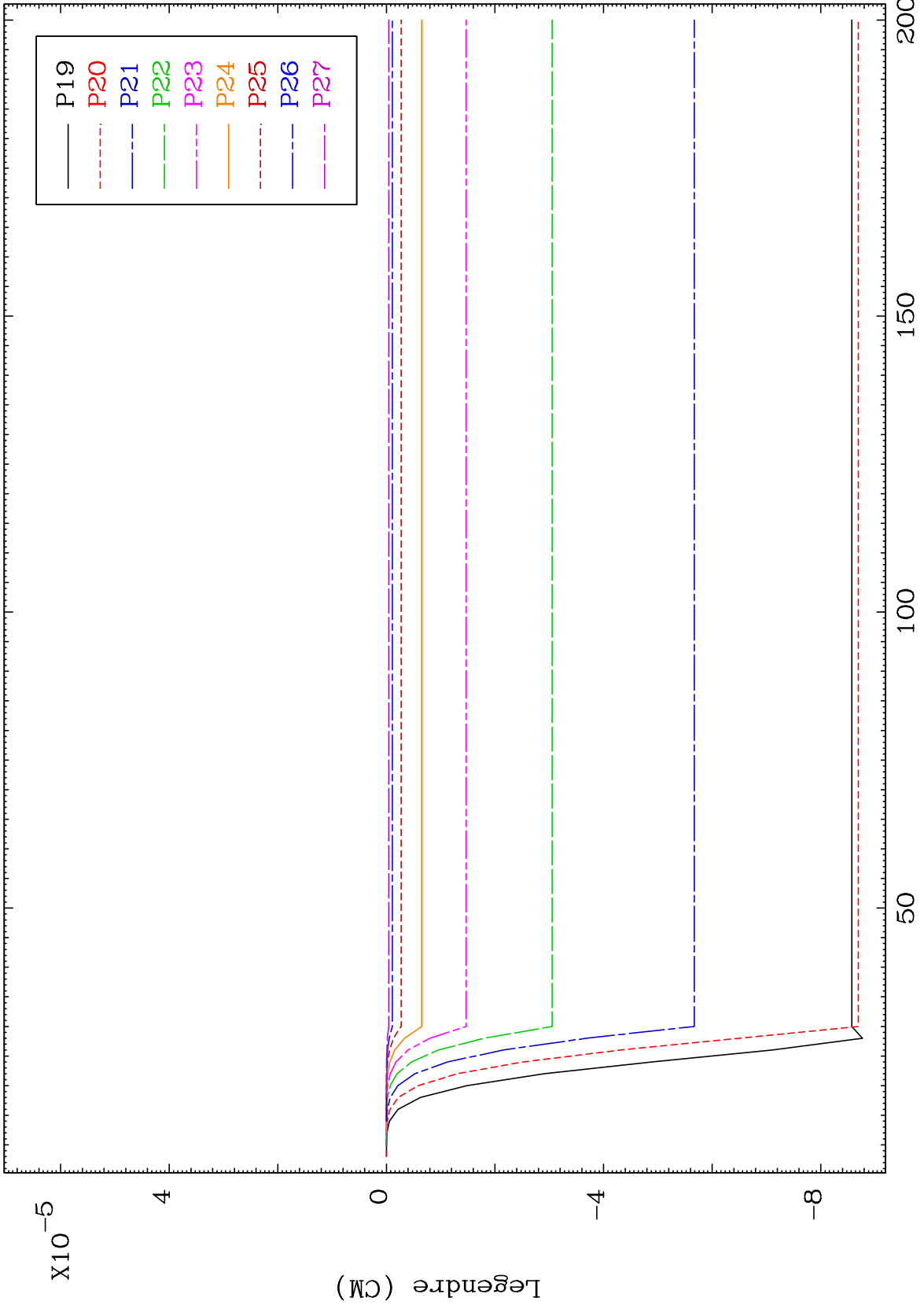


54 41-Nb-86

MAT 4104

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

41-Nb-86



55

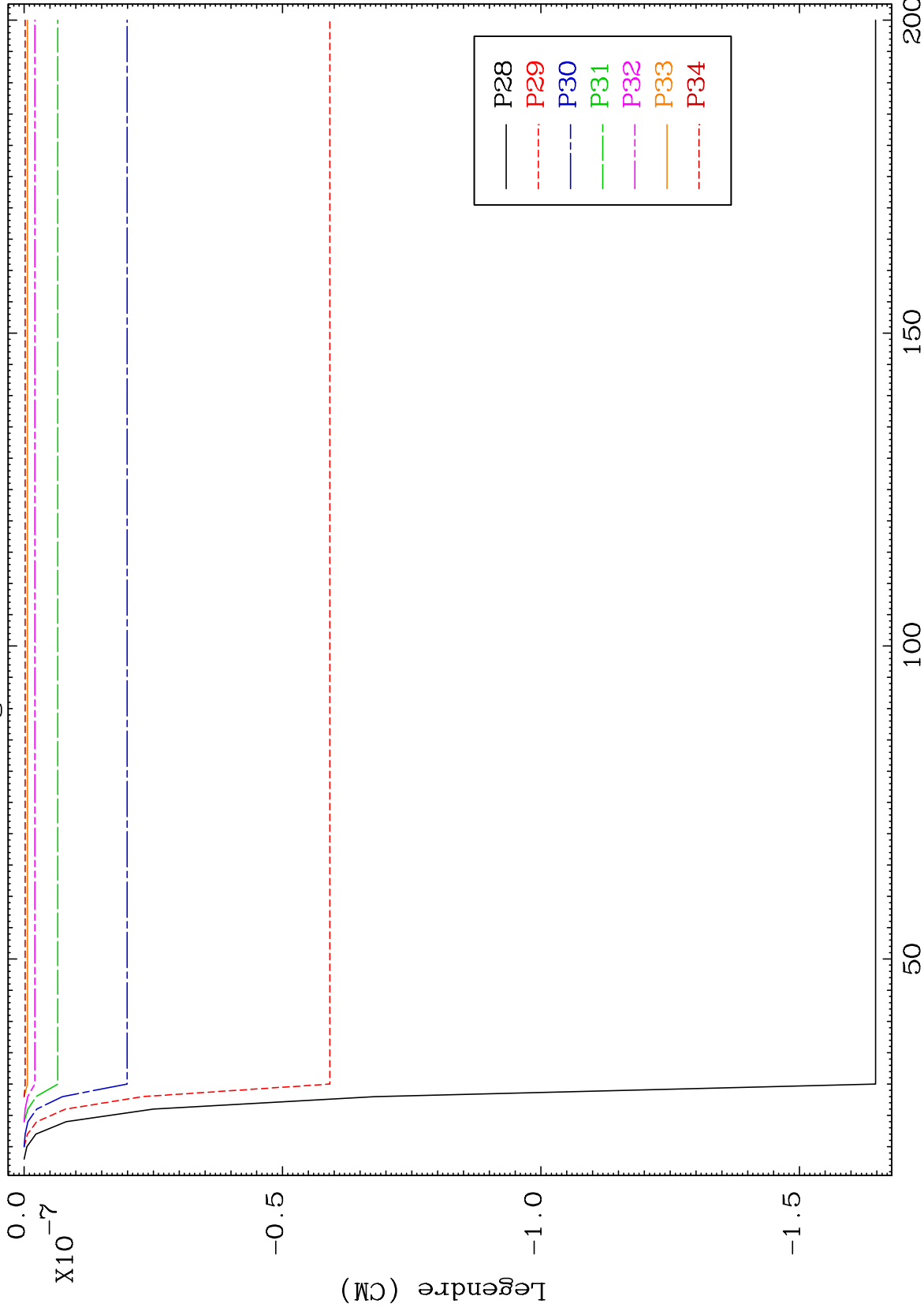
Incident Energy (MeV)

41-Nb-86

MAT 4104

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

41-Nb-86



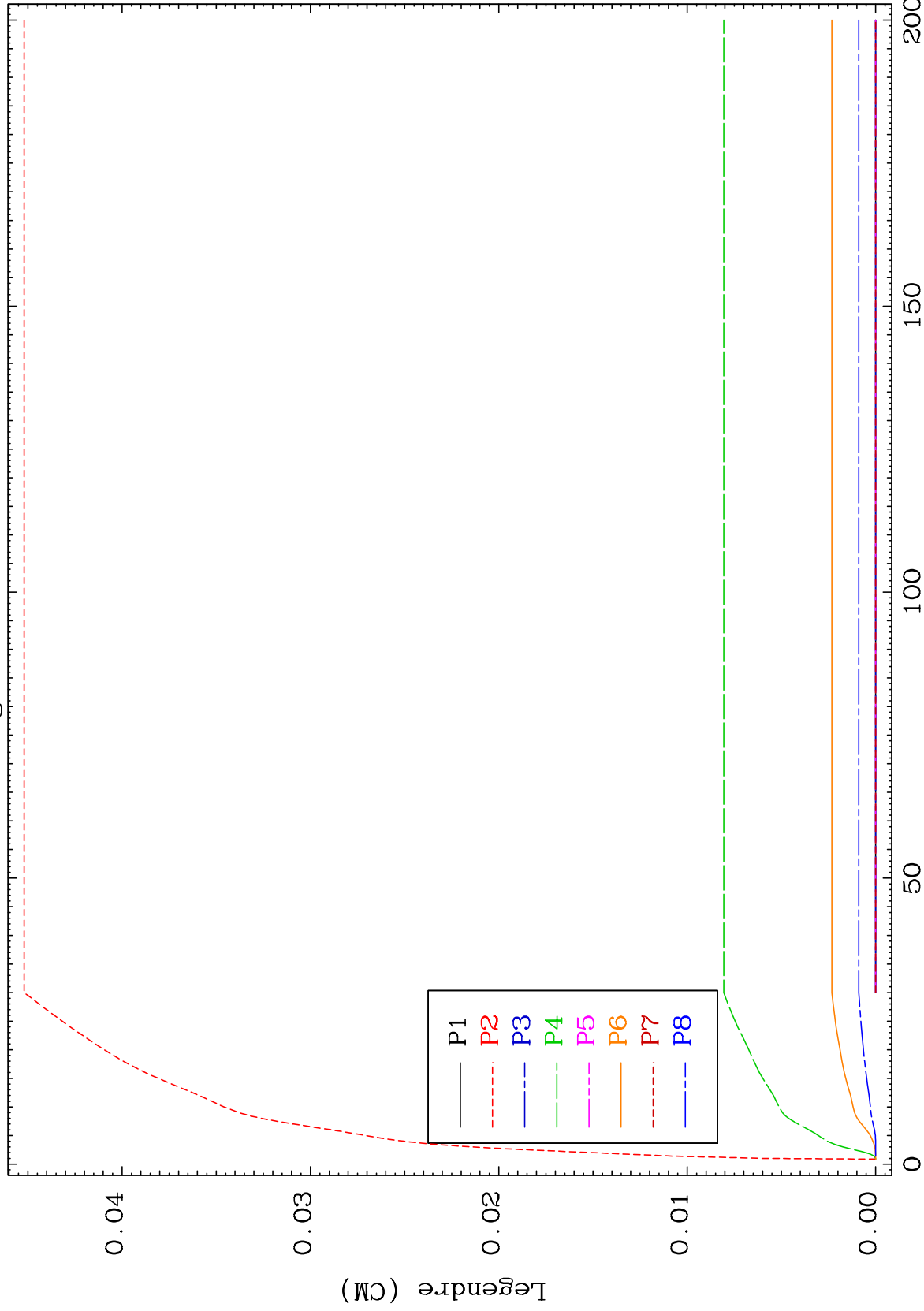
56

41-Nb-86

MAT 4104

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

41-Nb-86



57

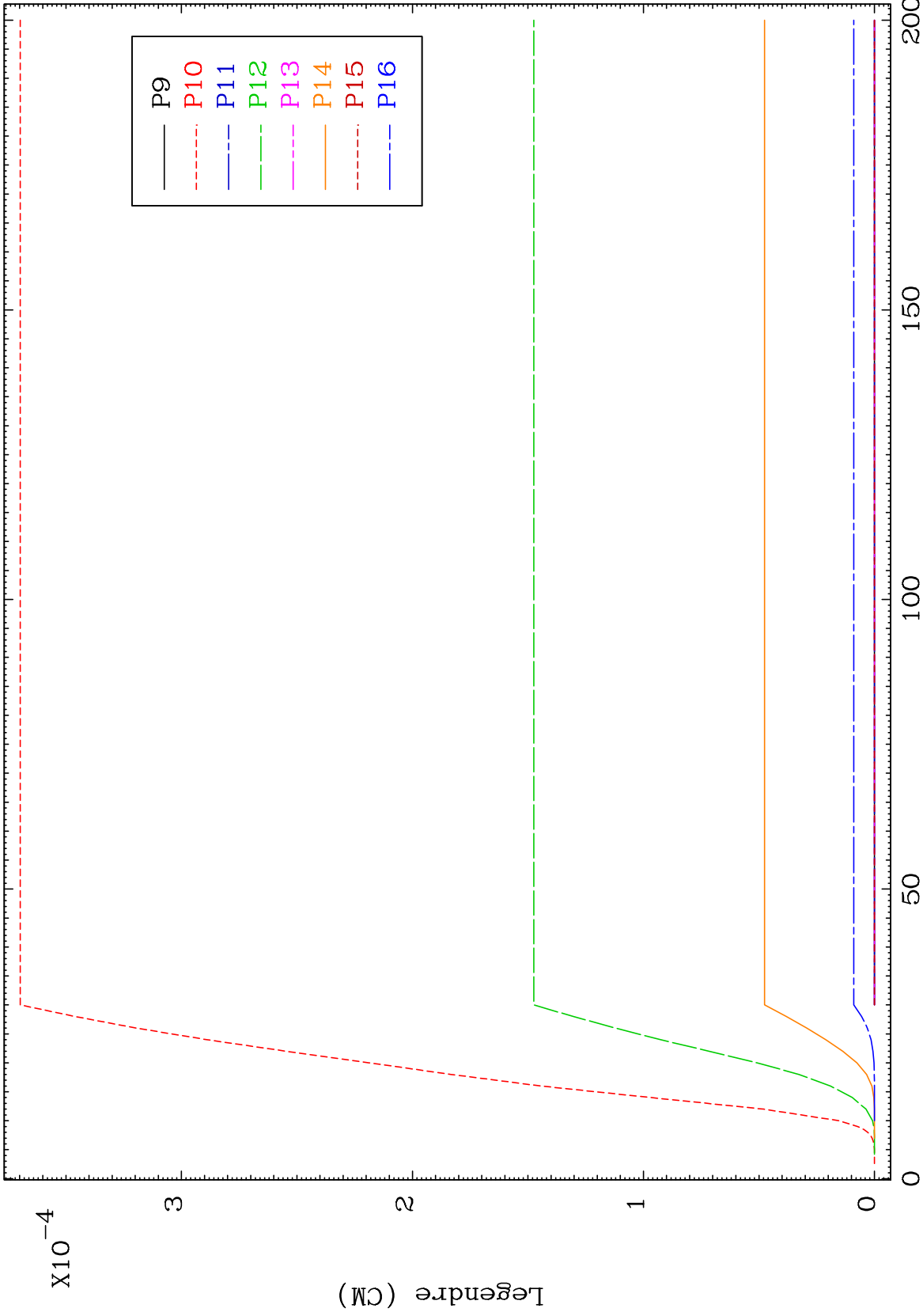
Incident Energy (MeV)

41-Nb-86

MAT 4104

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

41-Nb-86



58

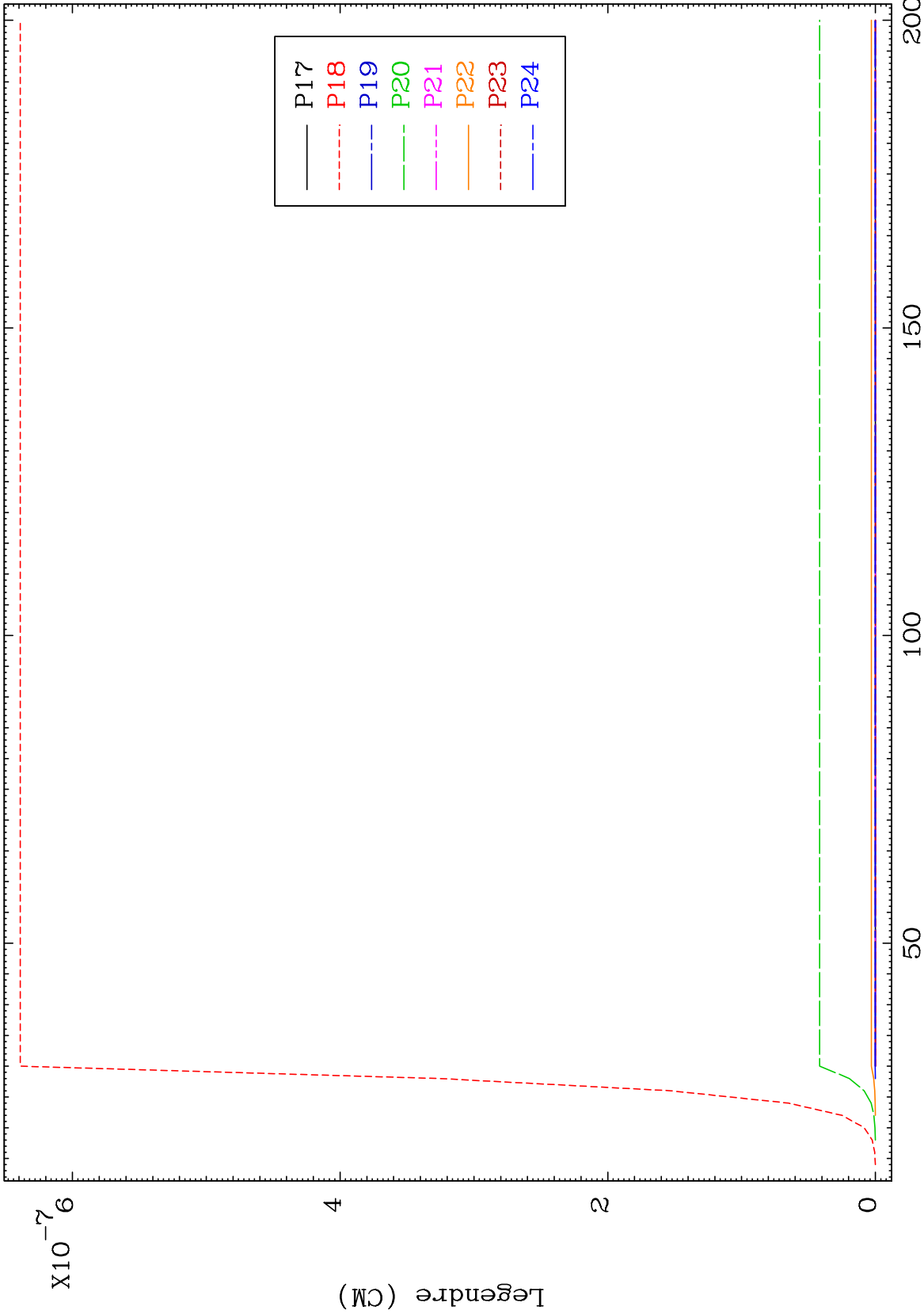
Incident Energy (MeV)

41-Nb-86

MAT 4104

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

41-Nb-86



59

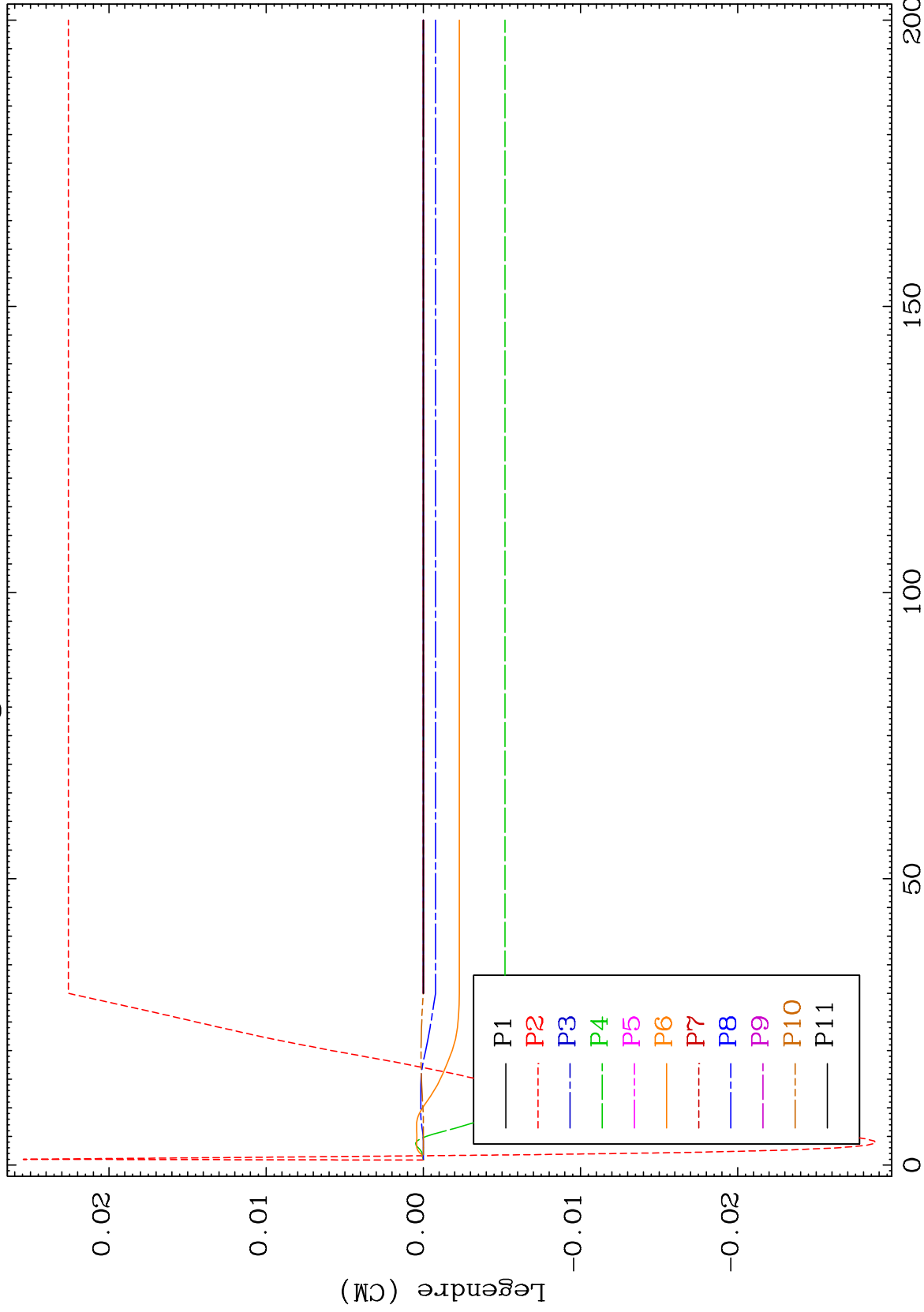
Incident Energy (MeV)

41-Nb-86

MAT 4104

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

41-Nb-86



60

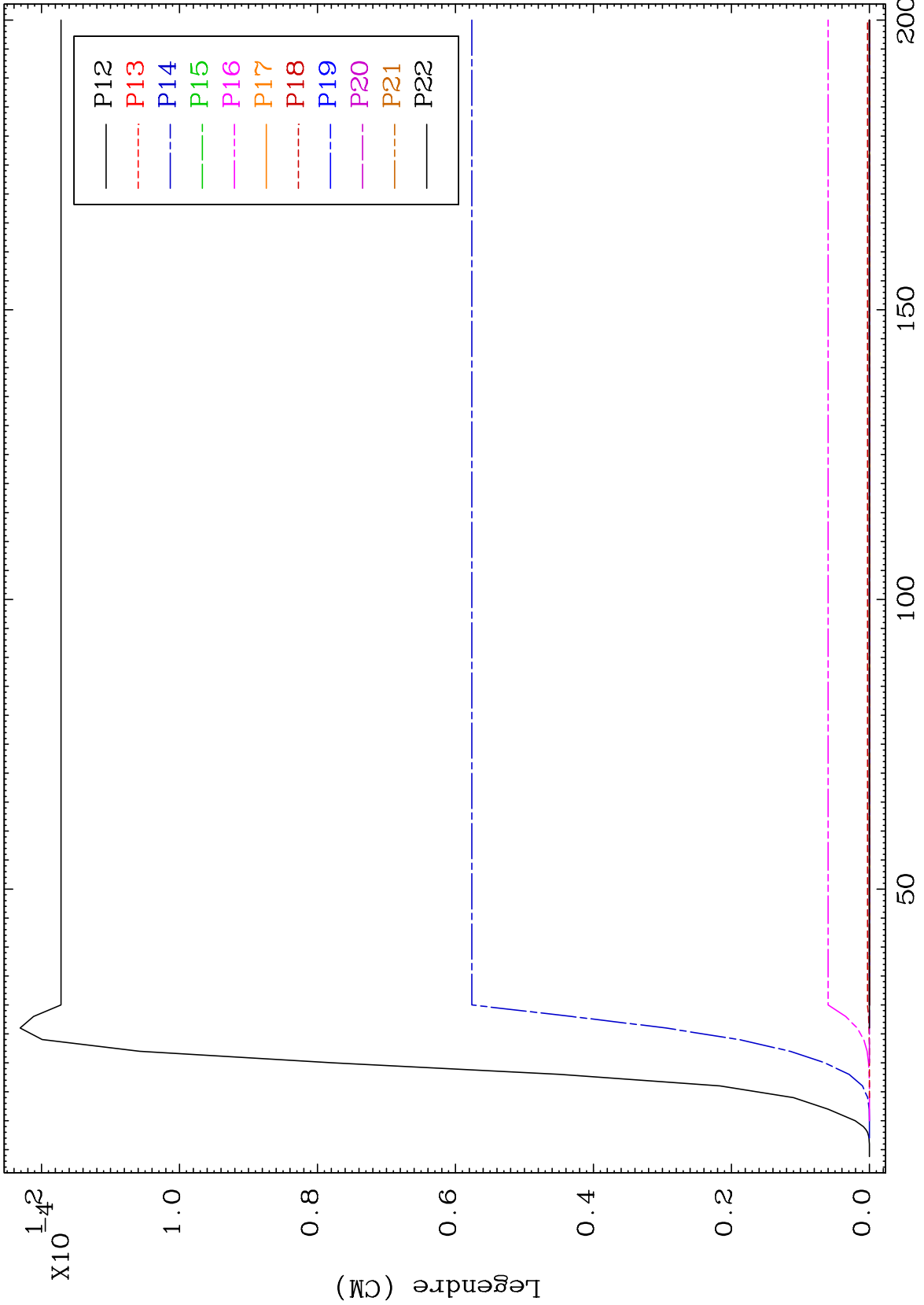
Incident Energy (MeV)

41-Nb-86

MAT 4104

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

41-Nb-86



61

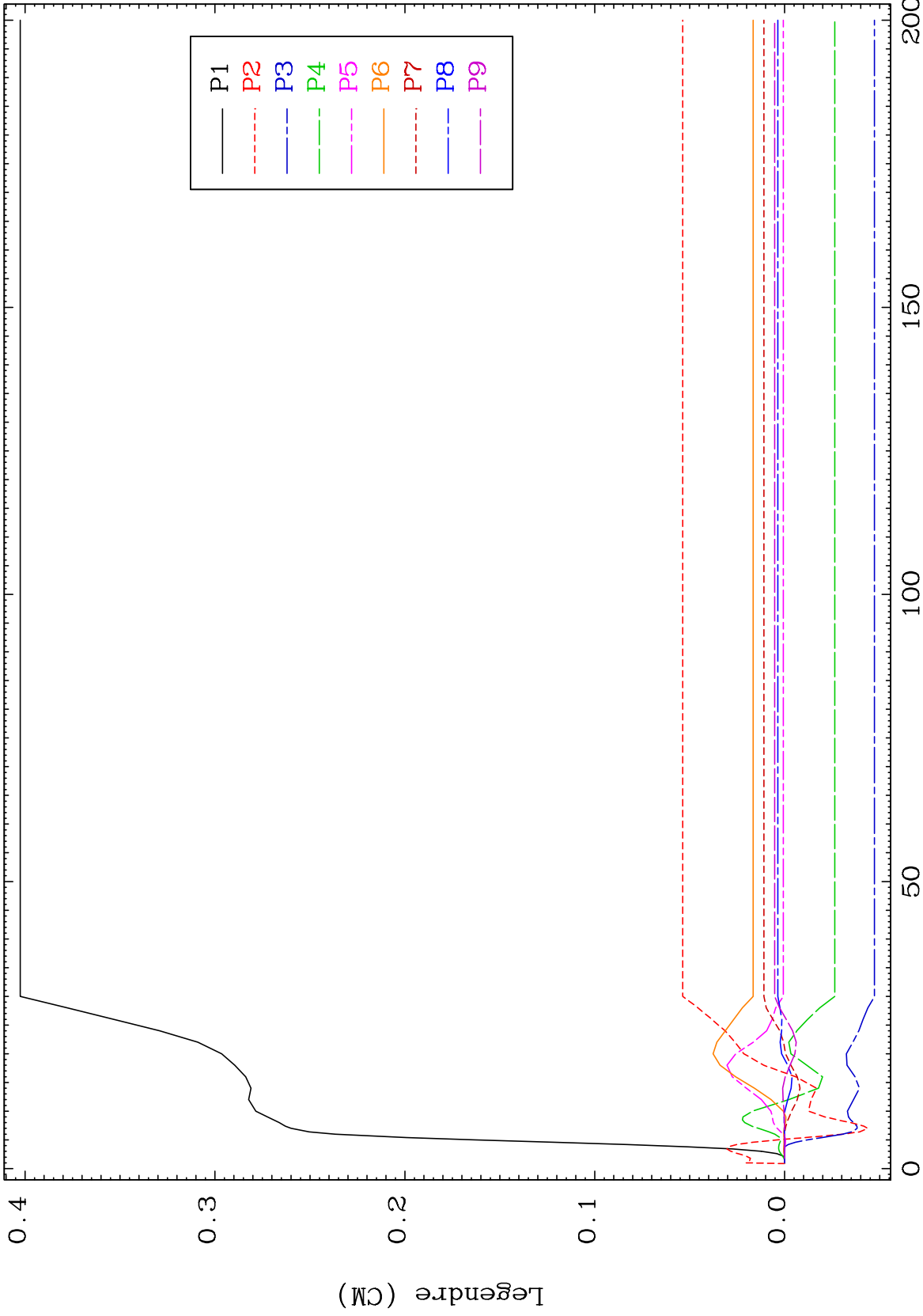
Incident Energy (MeV)

41-Nb-86

MAT 4104

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

41-Nb-86



62

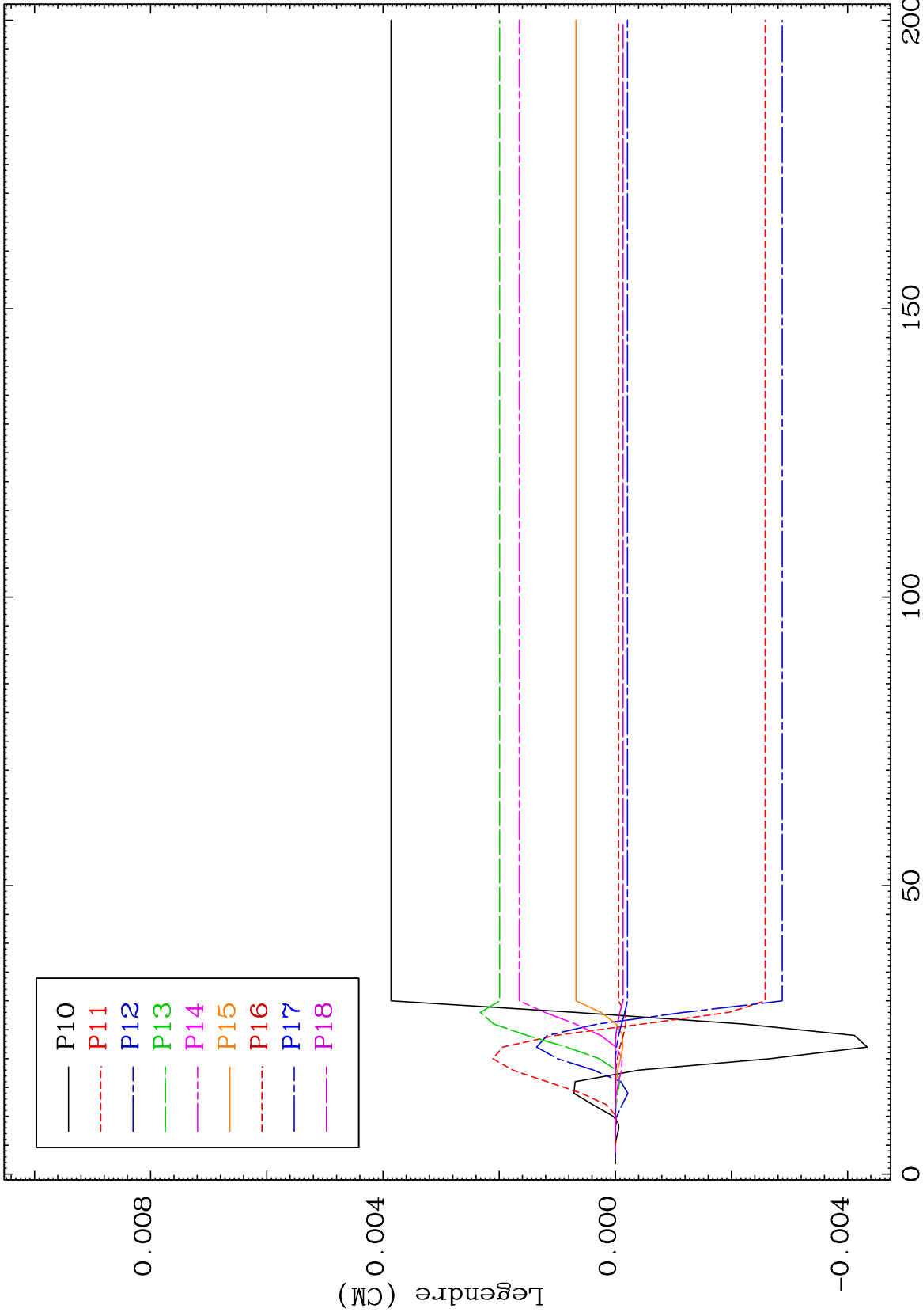
Incident Energy (MeV)

41-Nb-86

MAT 4104

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

41-Nb-86



63

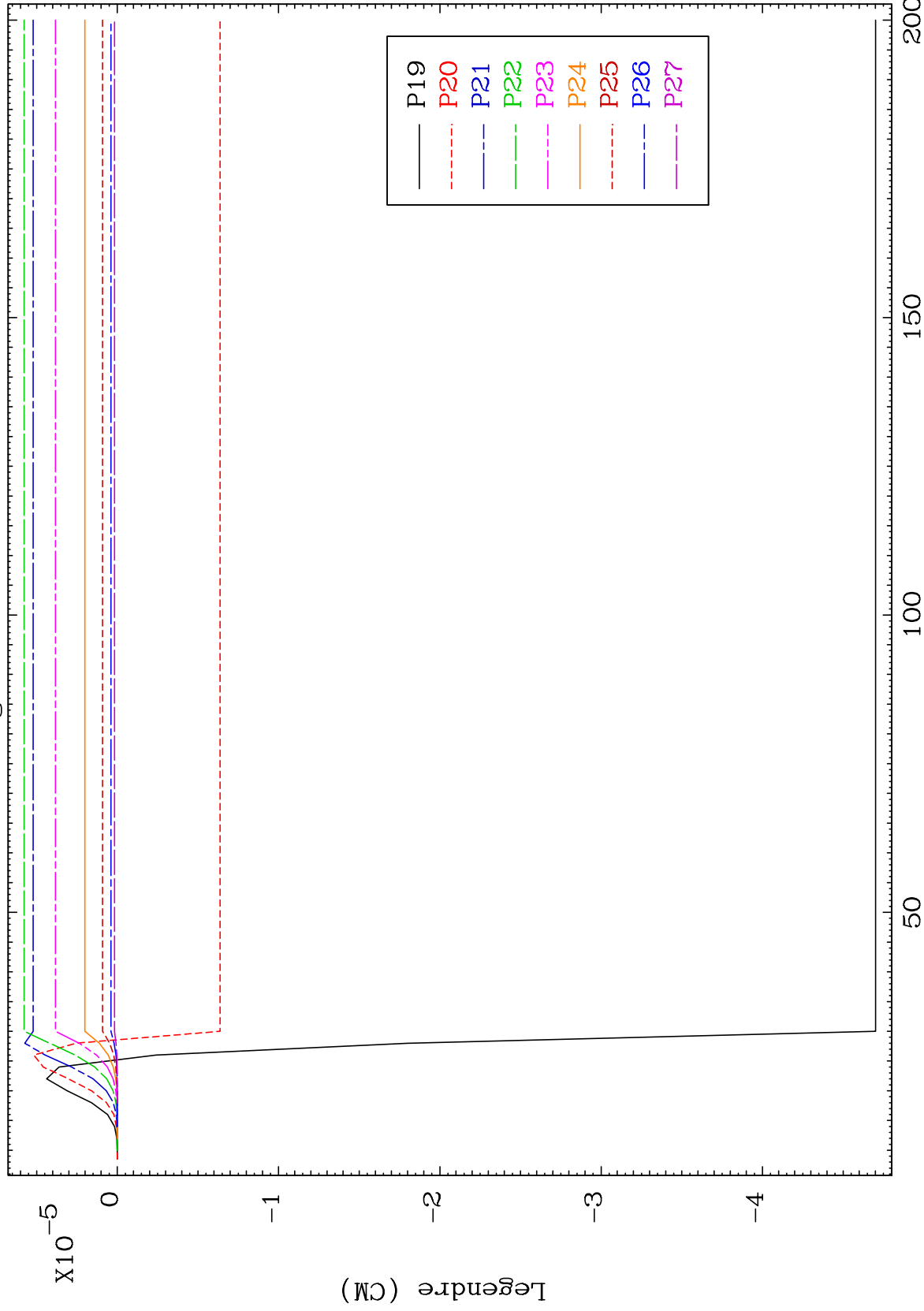
Incident Energy (MeV)

41-Nb-86

MAT 4104

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

41-Nb-86



64

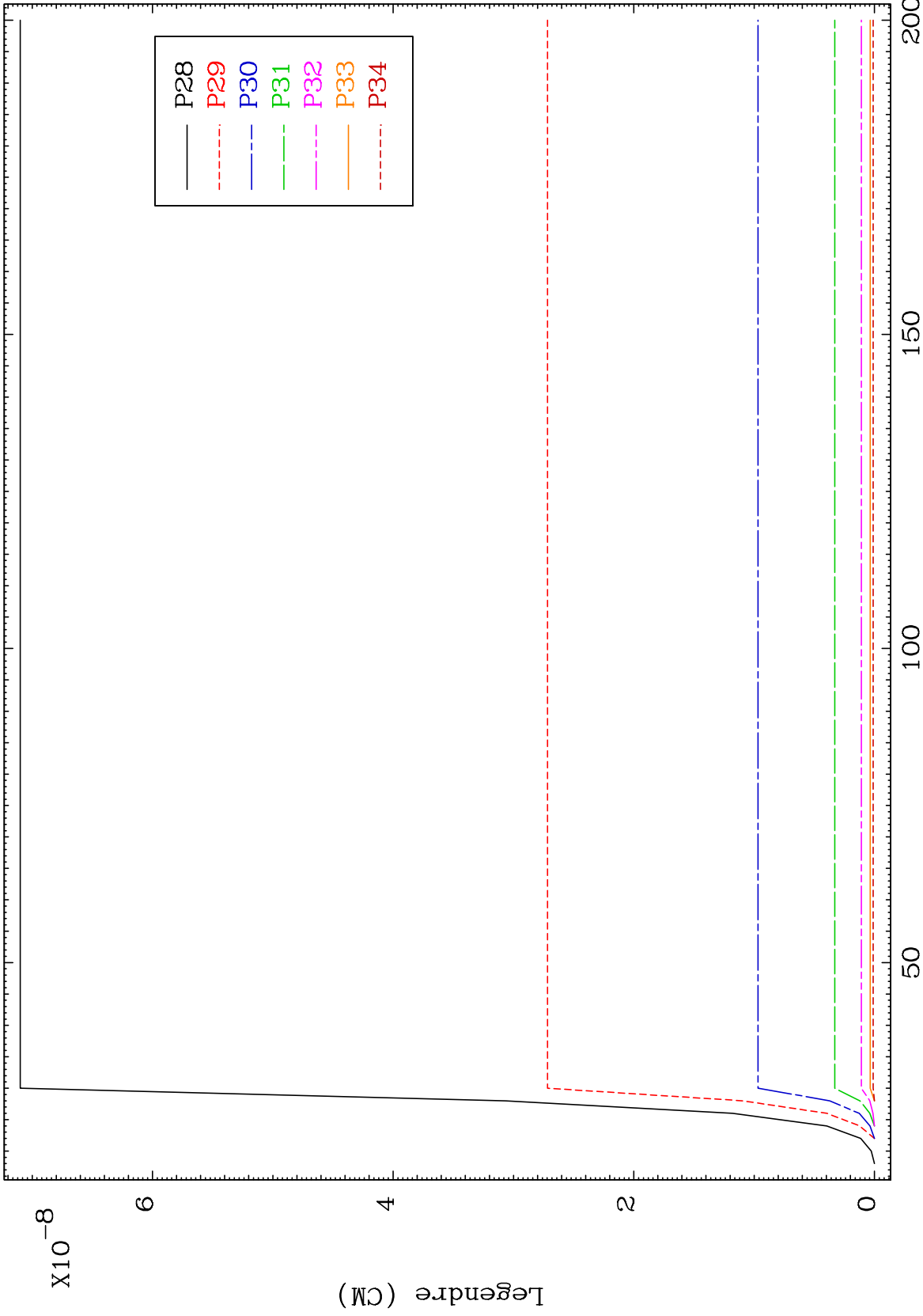
Incident Energy (MeV)

41-Nb-86

MAT 4104

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

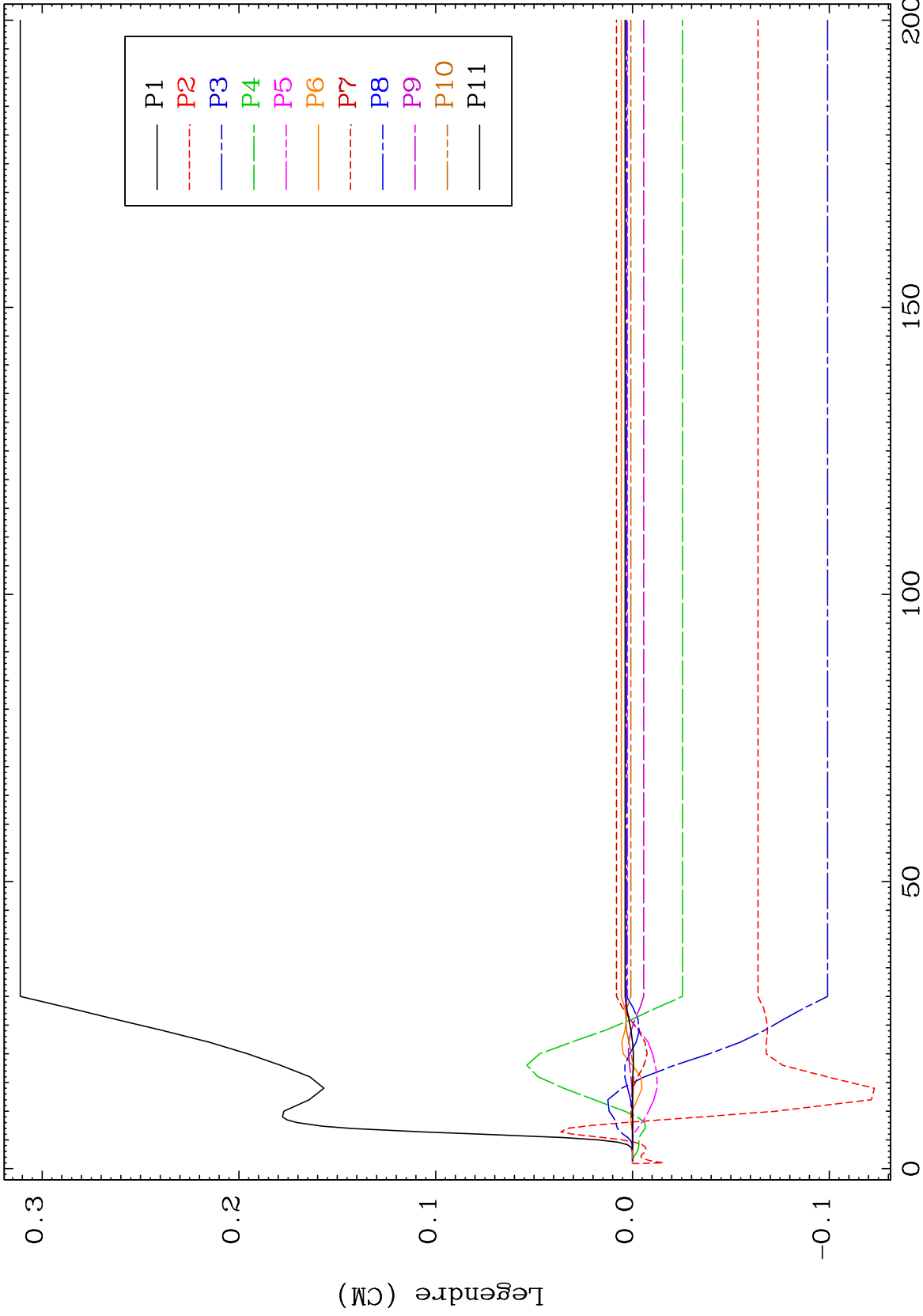
41-Nb-86



MAT 4104

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

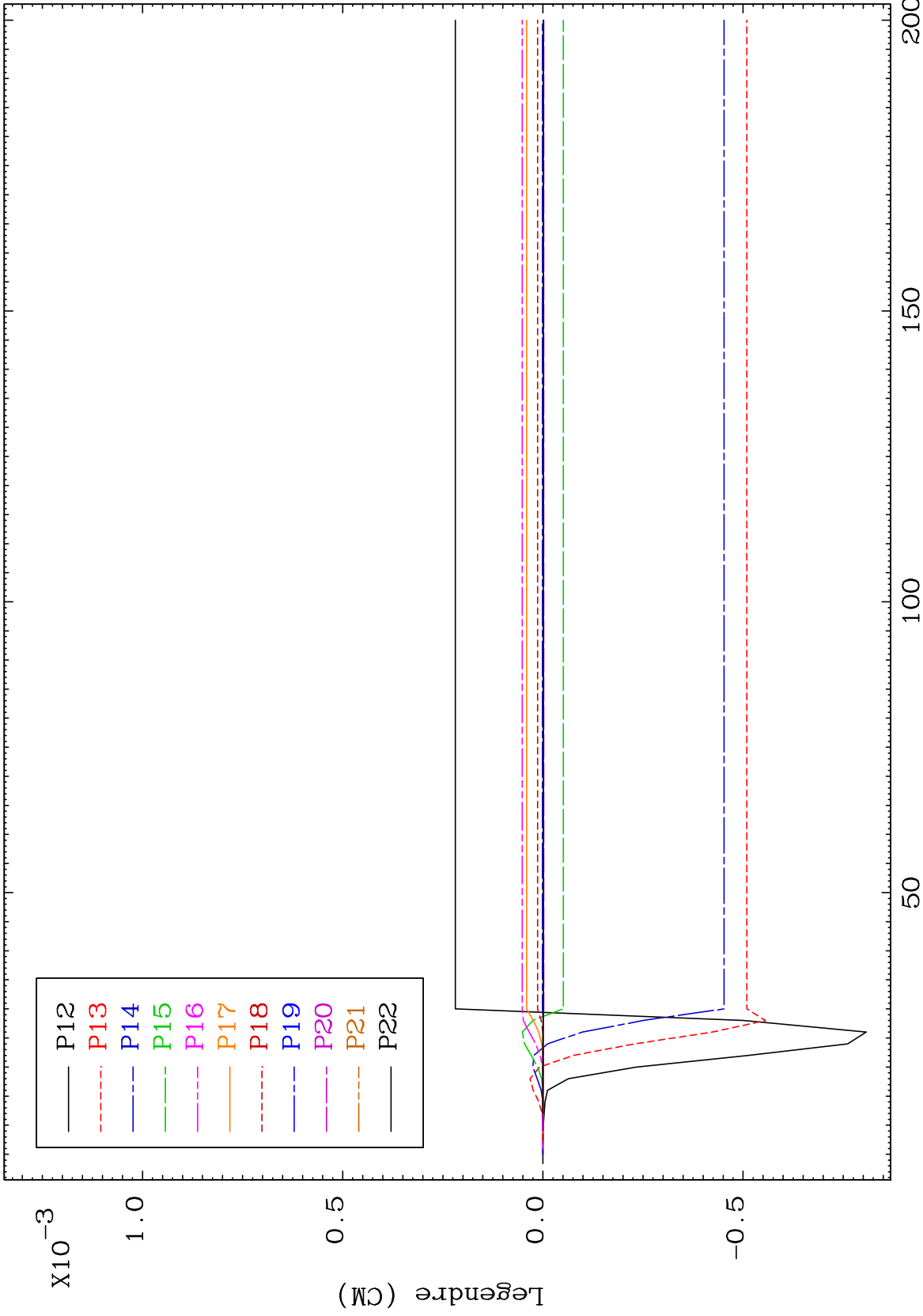
41-Nb-86



66

Incident Energy (MeV)

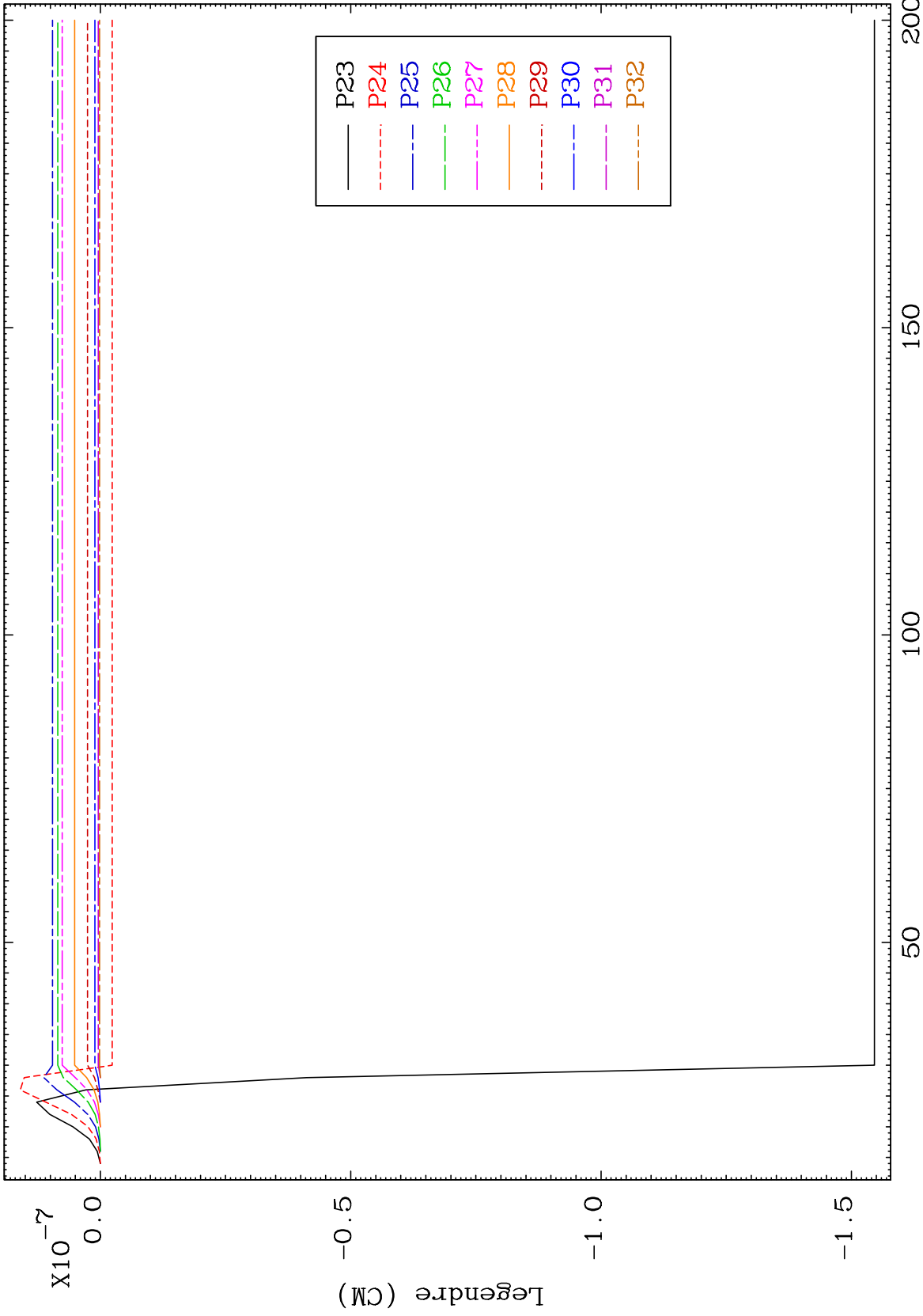
41-Nb-86



MAT 4104

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

41-Nb-86



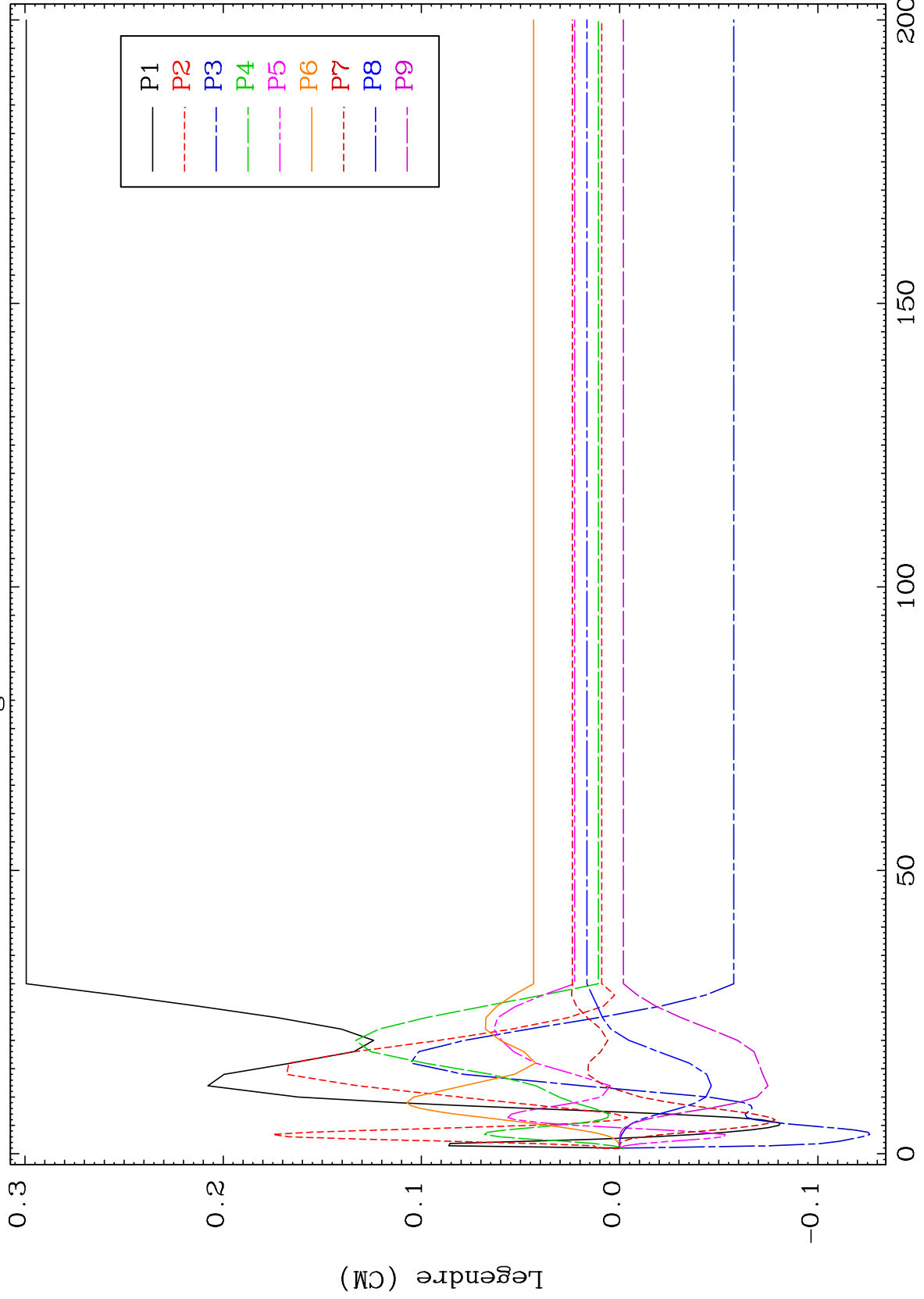
68

41-Nb-86

MAT 4104

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

41-Nb-86



69

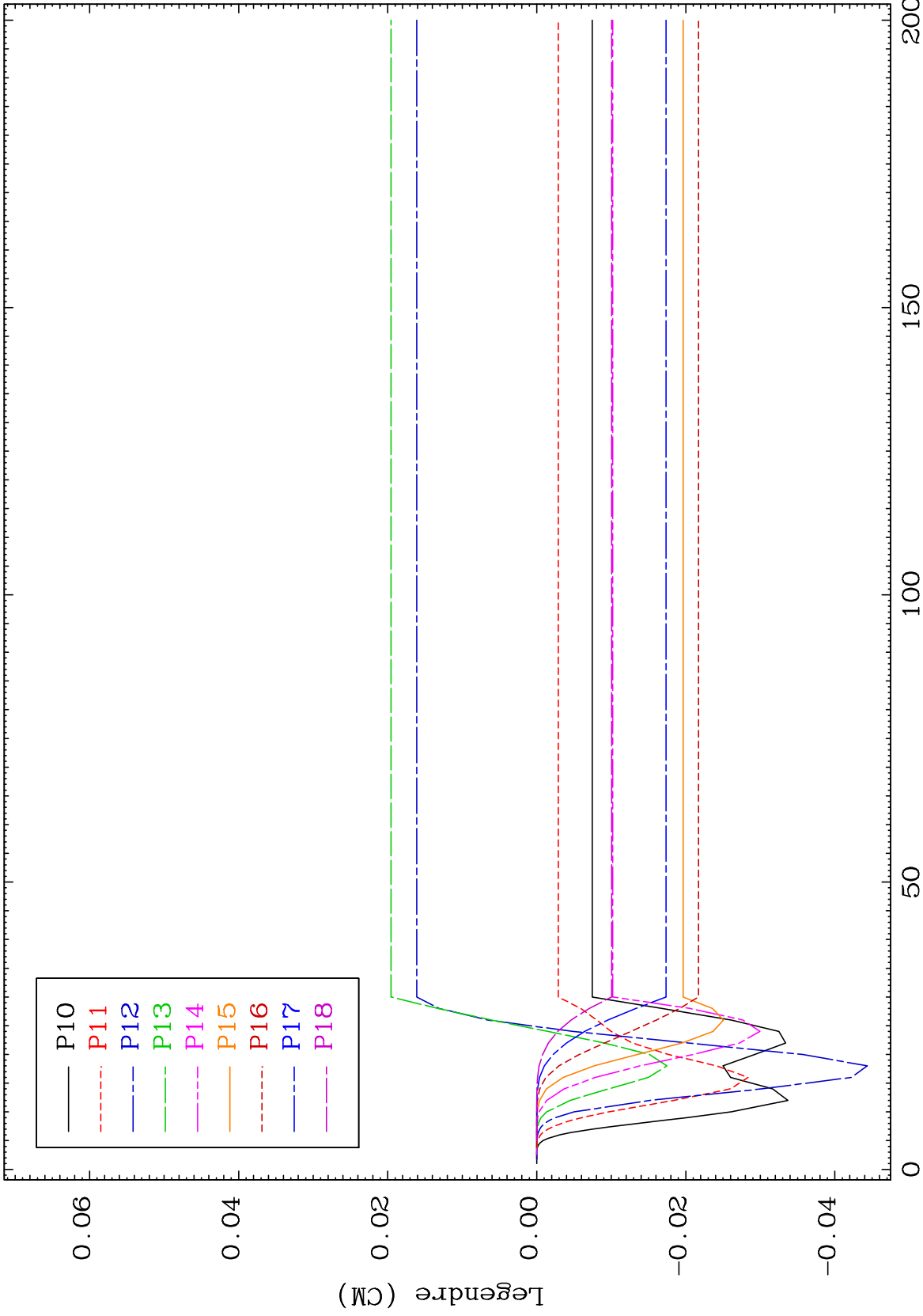
Incident Energy (MeV)

41-Nb-86

MAT 4104

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

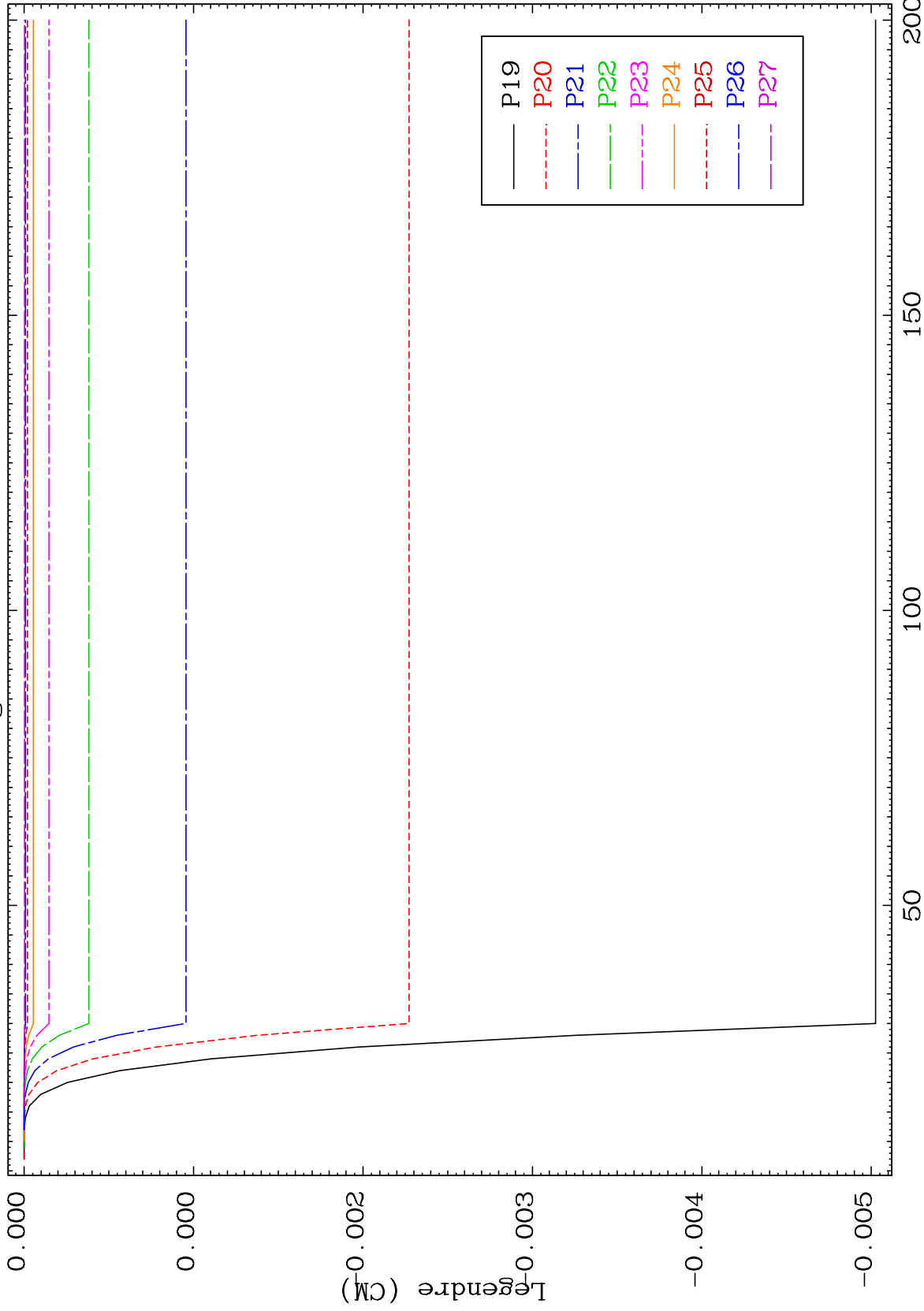
41-Nb-86



70

Incident Energy (MeV)

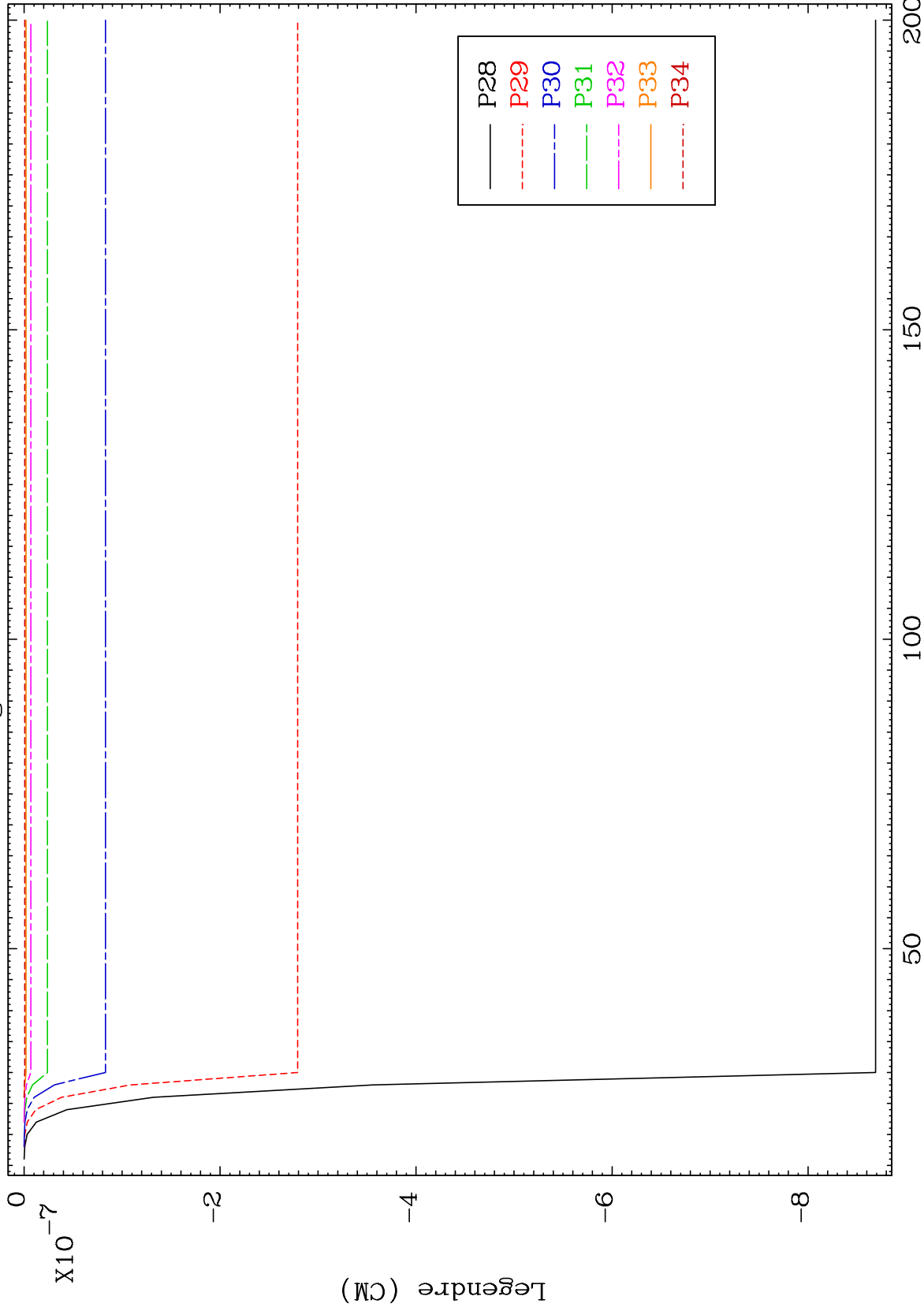
41-Nb-86



MAT 4104

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

41-Nb-86



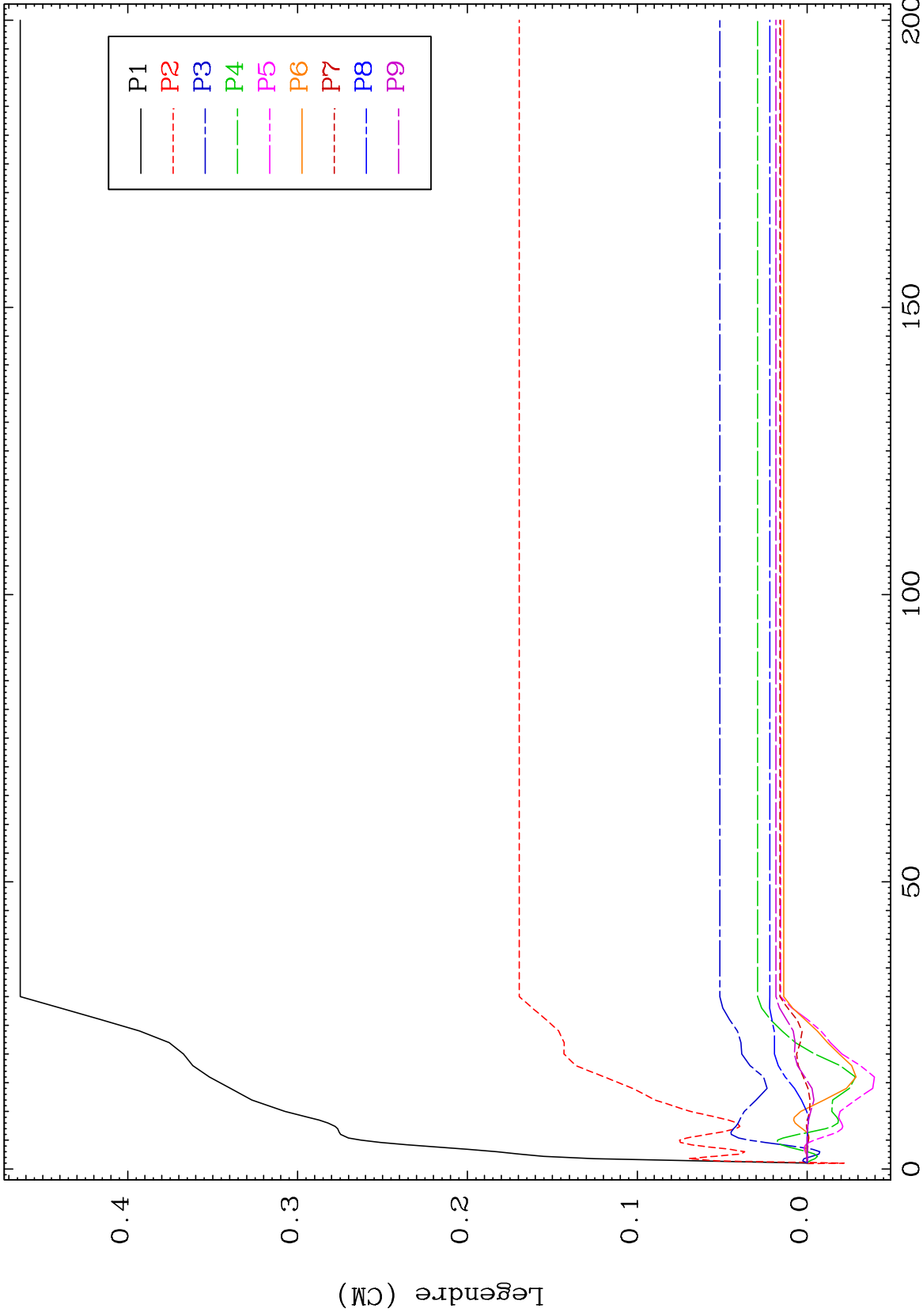
72

41-Nb-86

MAT 4104

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

41-Nb-86



73

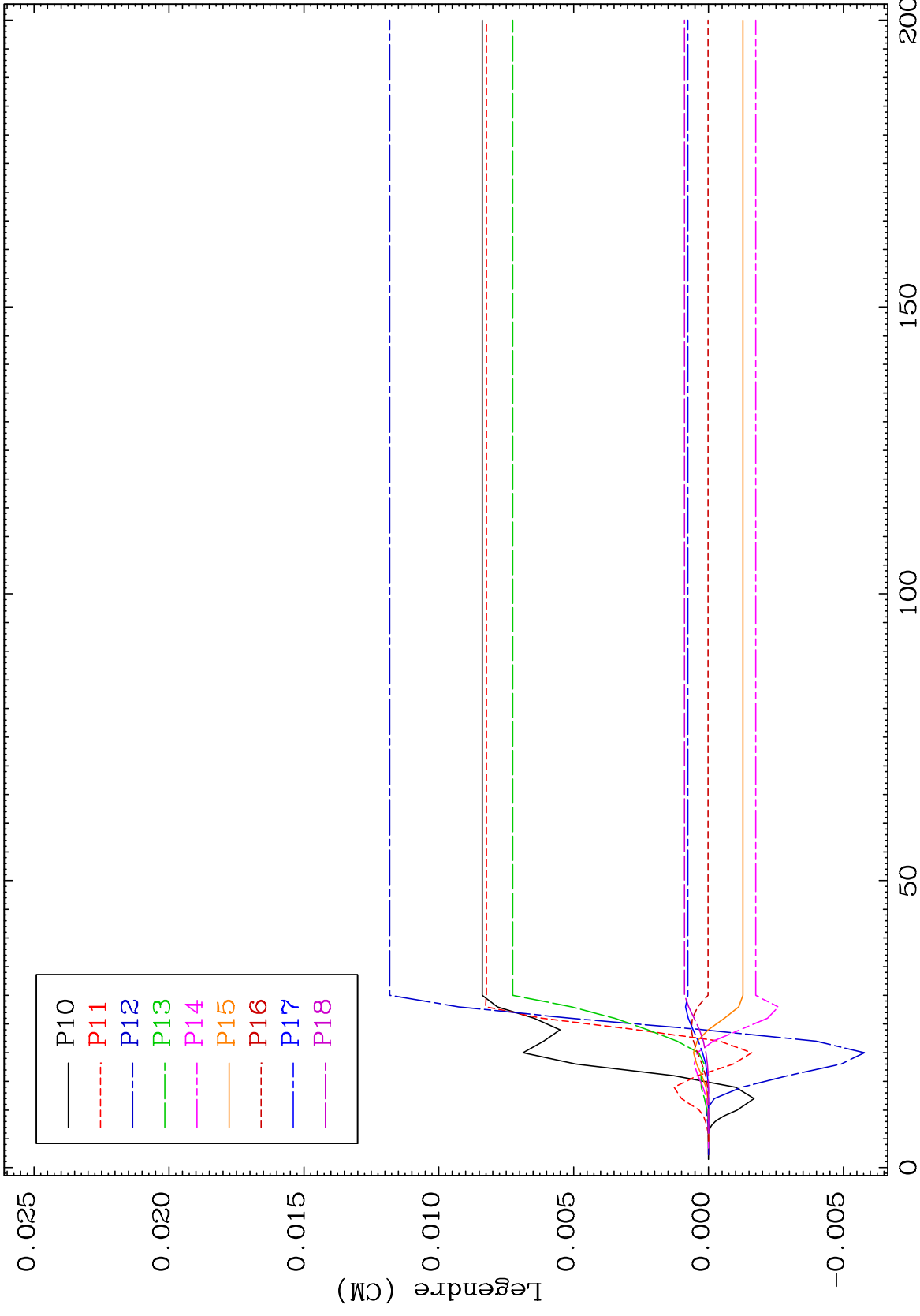
Incident Energy (MeV)

41-Nb-86

MAT 4104

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

41-Nb-86



74

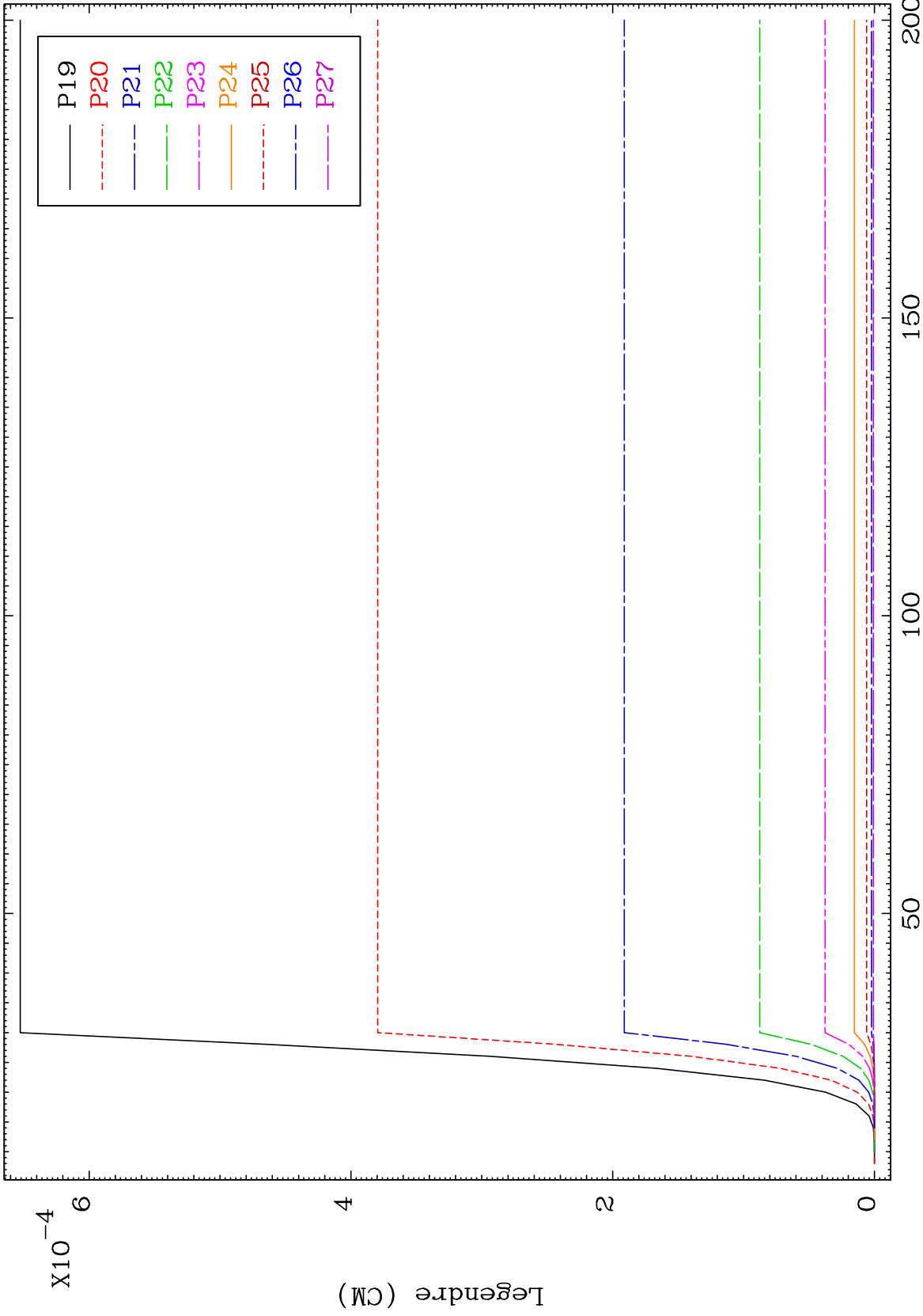
Incident Energy (MeV)

41-Nb-86

MAT 4104

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

41-Nb-86



75

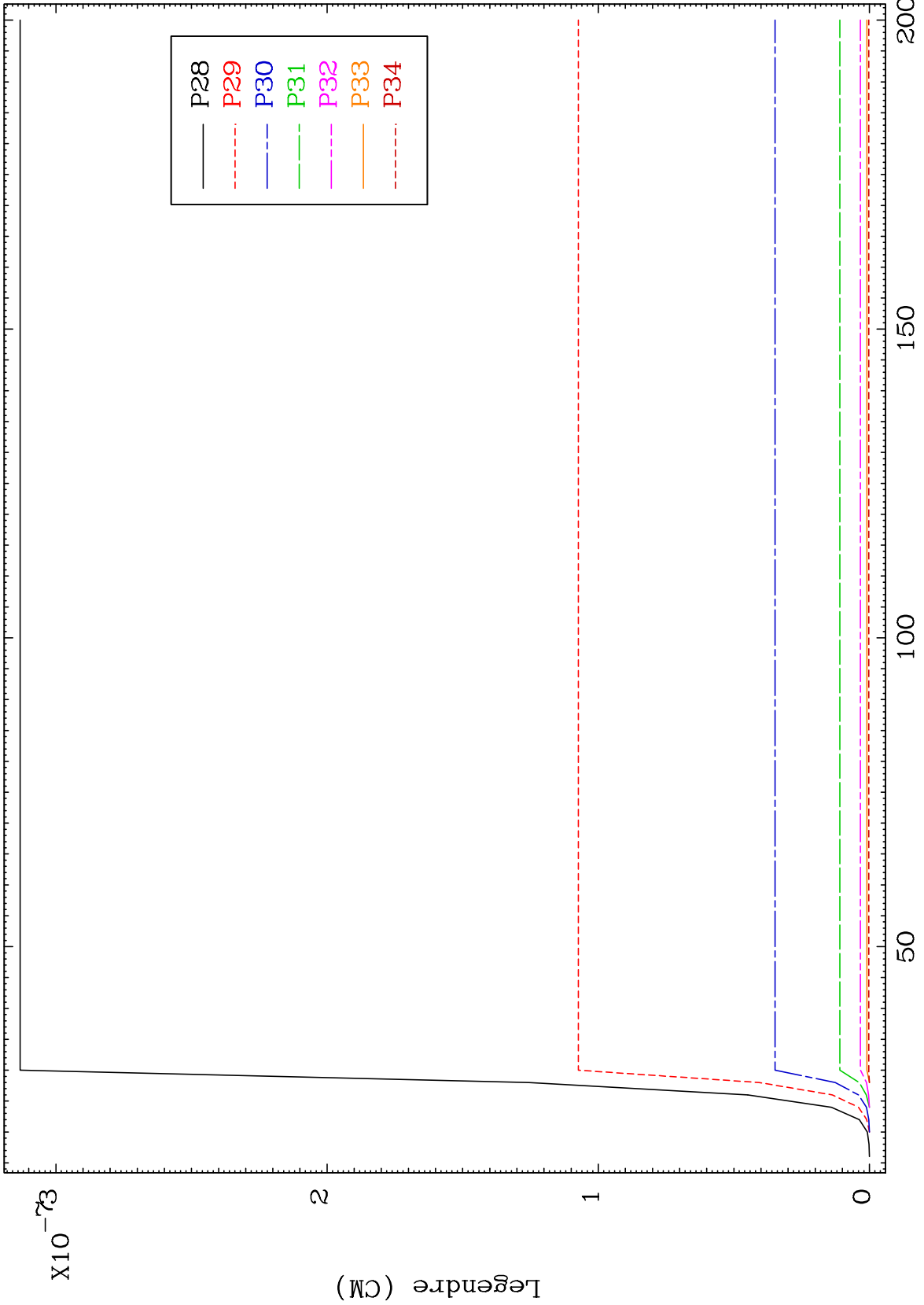
Incident Energy (MeV)

41-Nb-86

MAT 4104

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

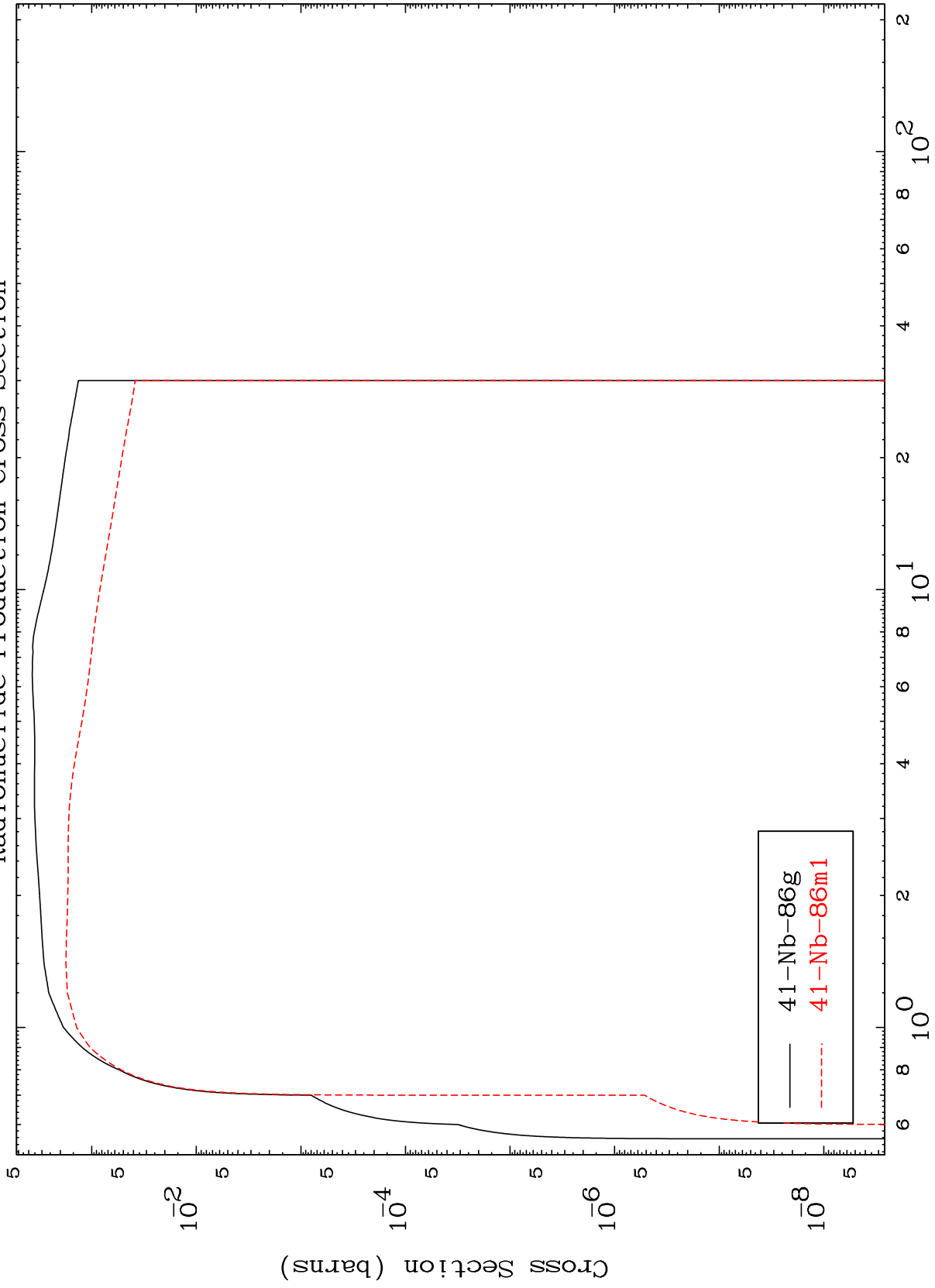
41-Nb-86



MAT 4104

41-Nb-86

Inelastic Radionuclide Production Cross Section



77

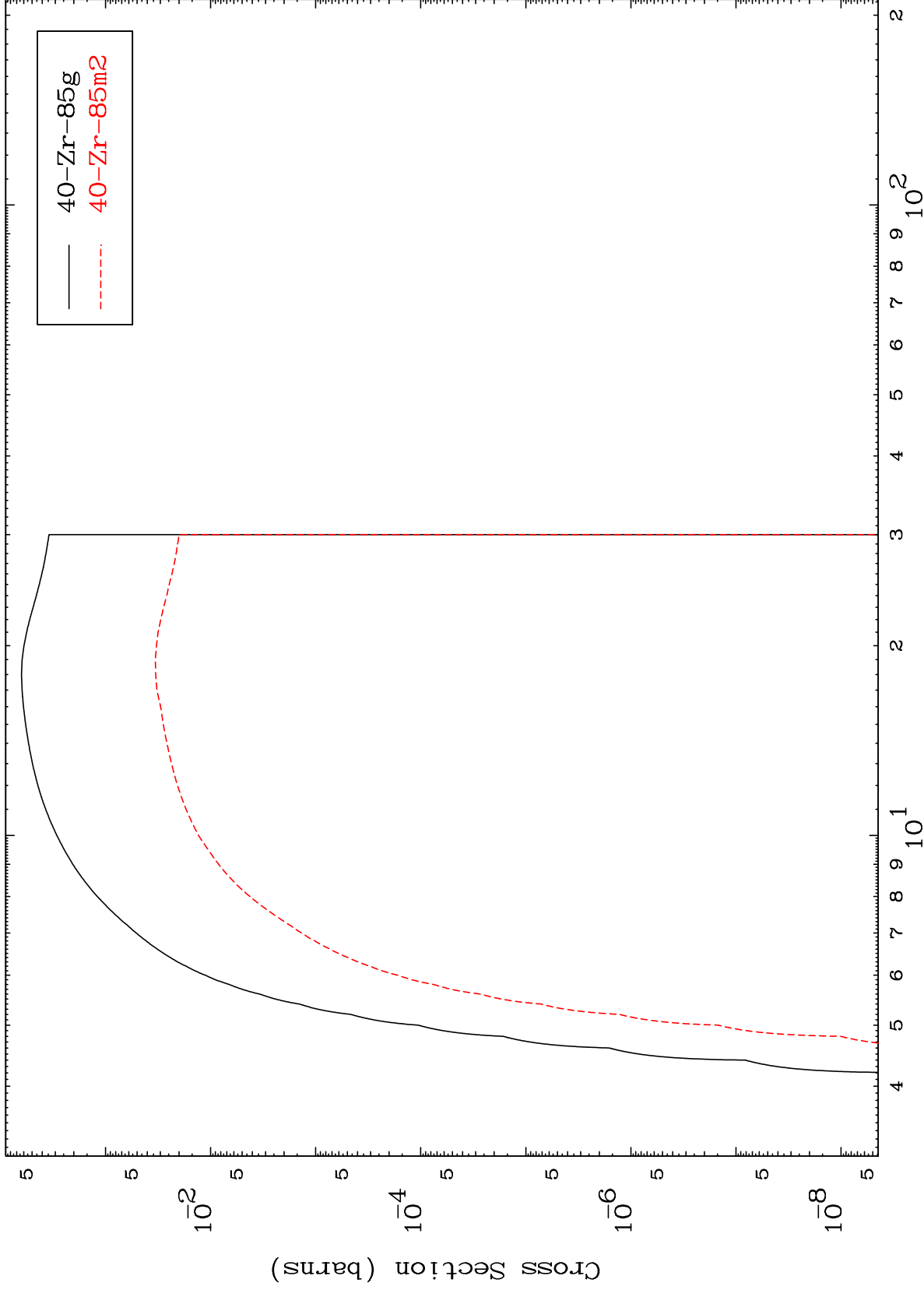
41-Nb-86

MAT 4104

(n,n') p

41-Nb-86

Radionuclide Production Cross Section



78

Incident Energy (MeV)

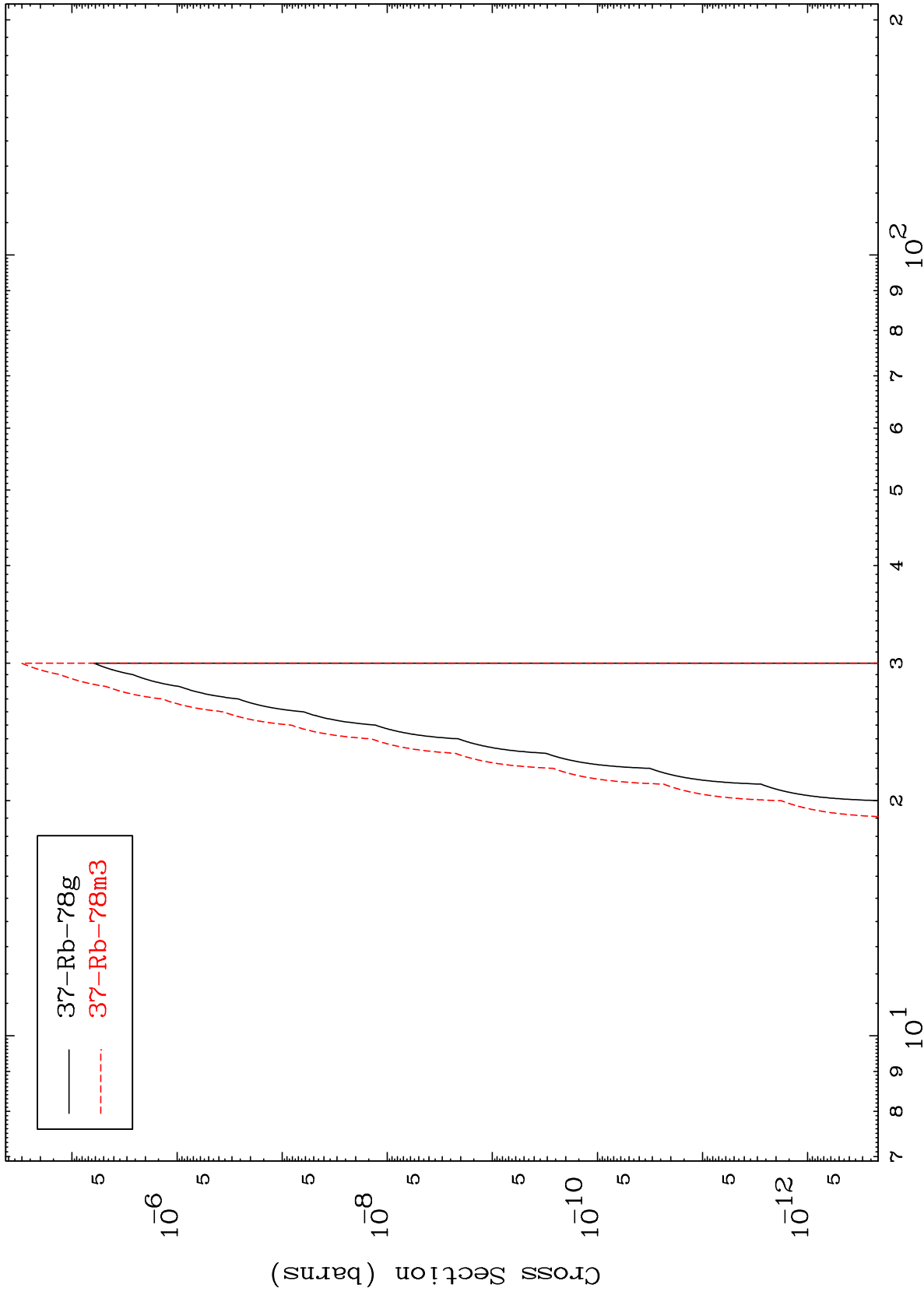
41-Nb-86

MAT 4104

(n,n') 2 α

41-Nb-86

Radionuclide Production Cross Section



79

Incident Energy (MeV)

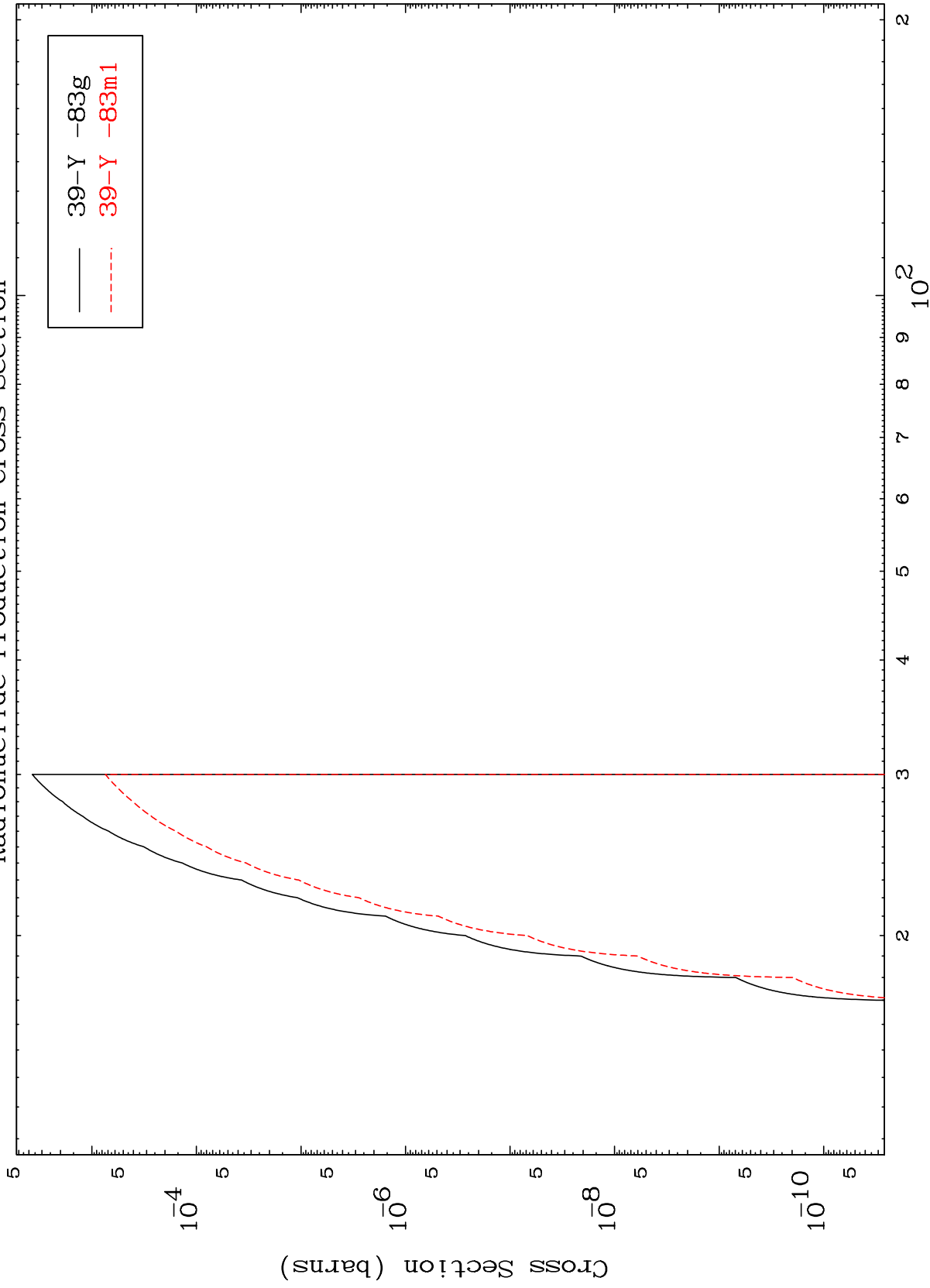
41-Nb-86

MAT 4104

(n, n') He-3

41-Nb-86

Radionuclide Production Cross Section



80

Incident Energy (MeV)

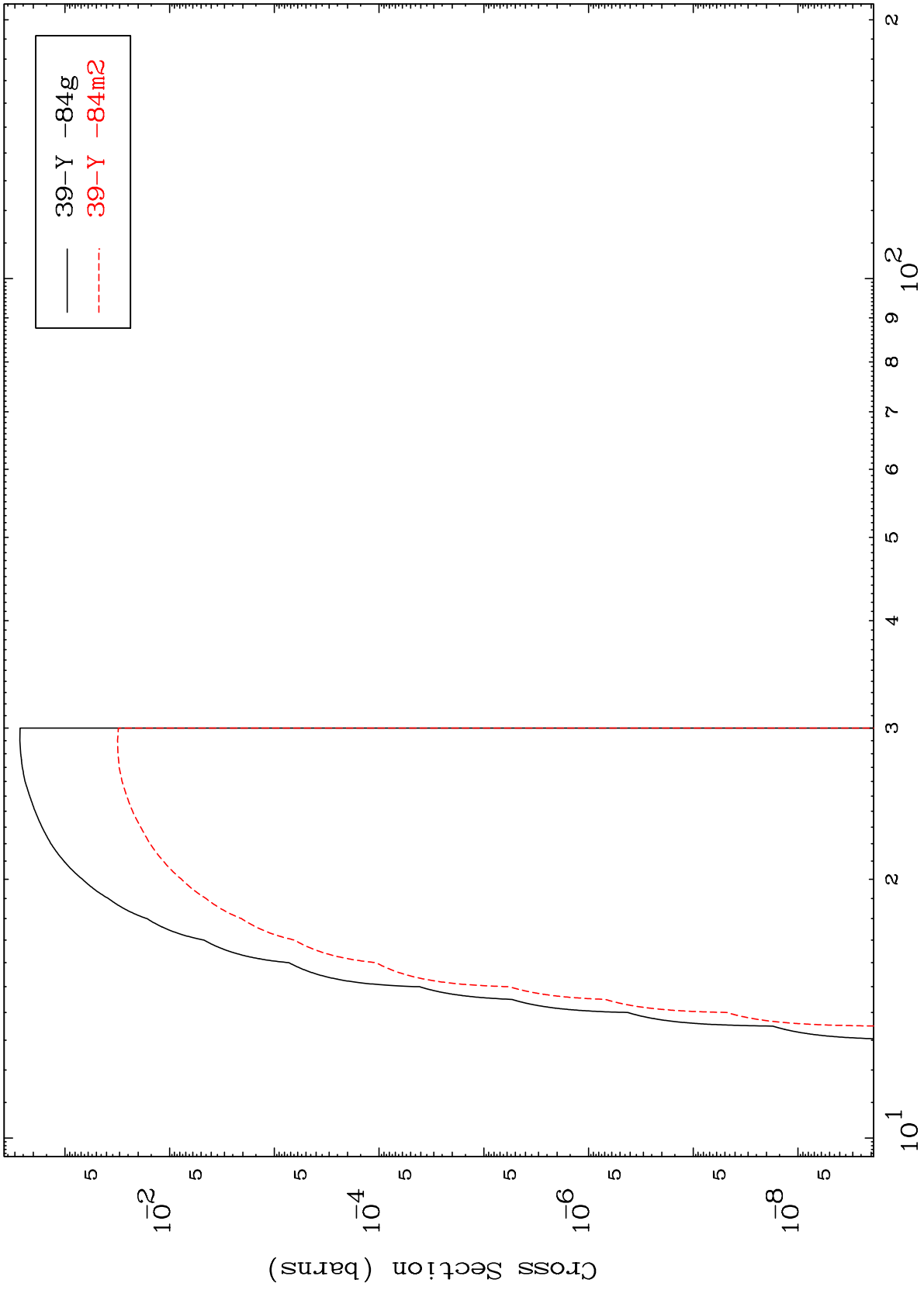
41-Nb-86

MAT 4104

(n,2n) p

41-Nb-86

Radionuclide Production Cross Section



81

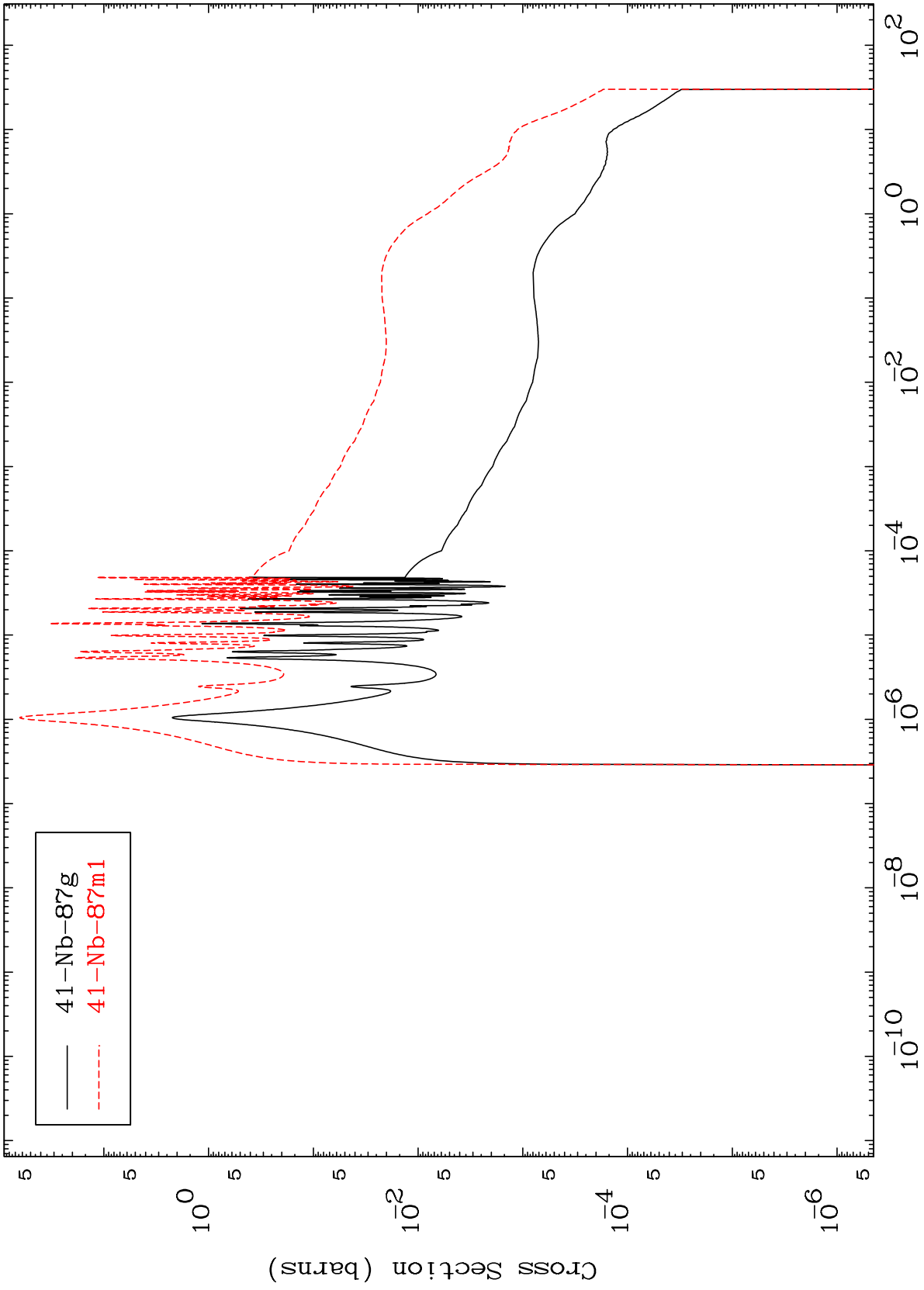
Incident Energy (MeV)

41-Nb-86

MAT 4104

41-Nb-86

Radionuclide Production Cross Section (n,γ)



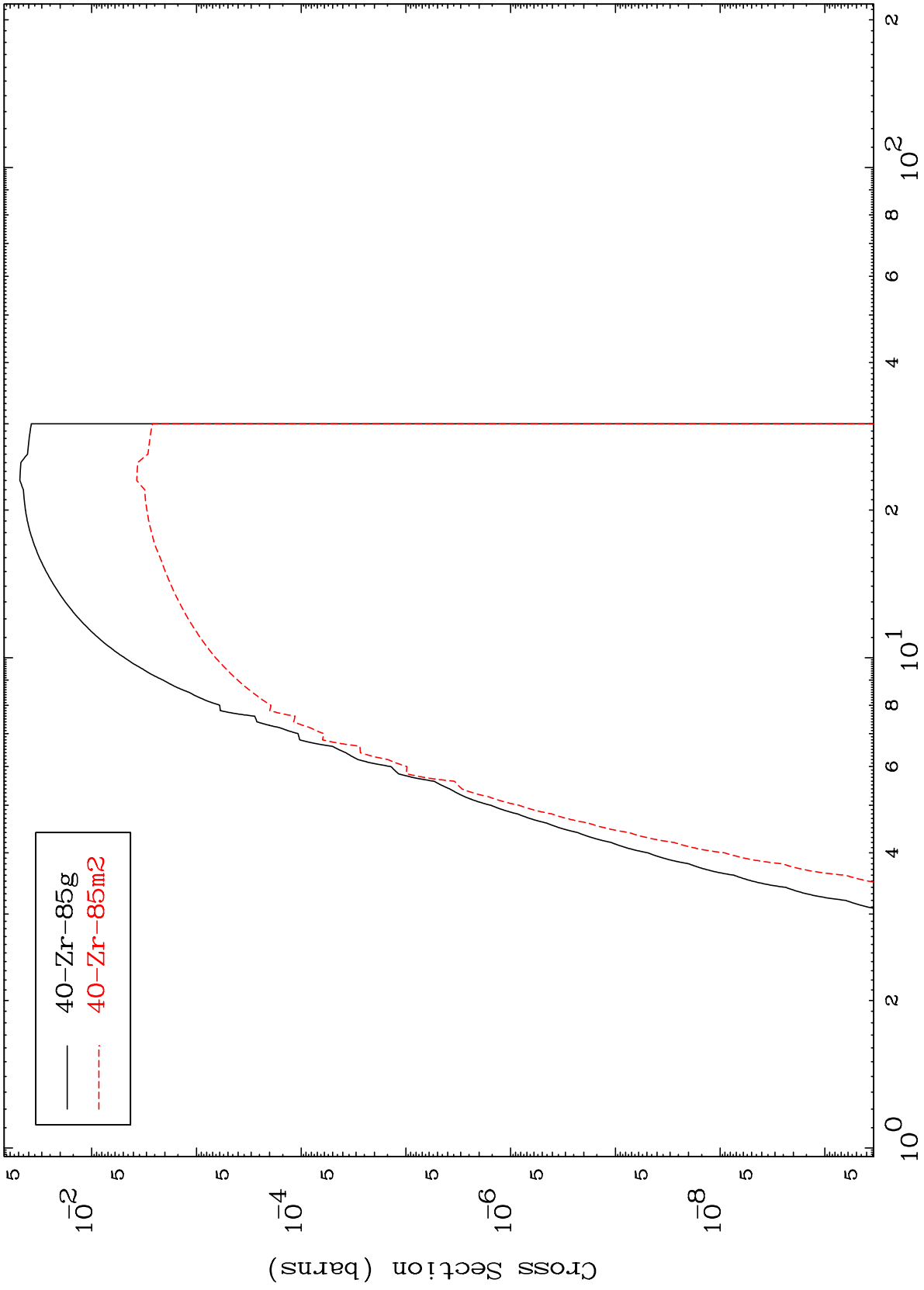
82

41-Nb-86

MAT 4104

Radionuclide Production Cross Section
(n,d)

41-Nb-86



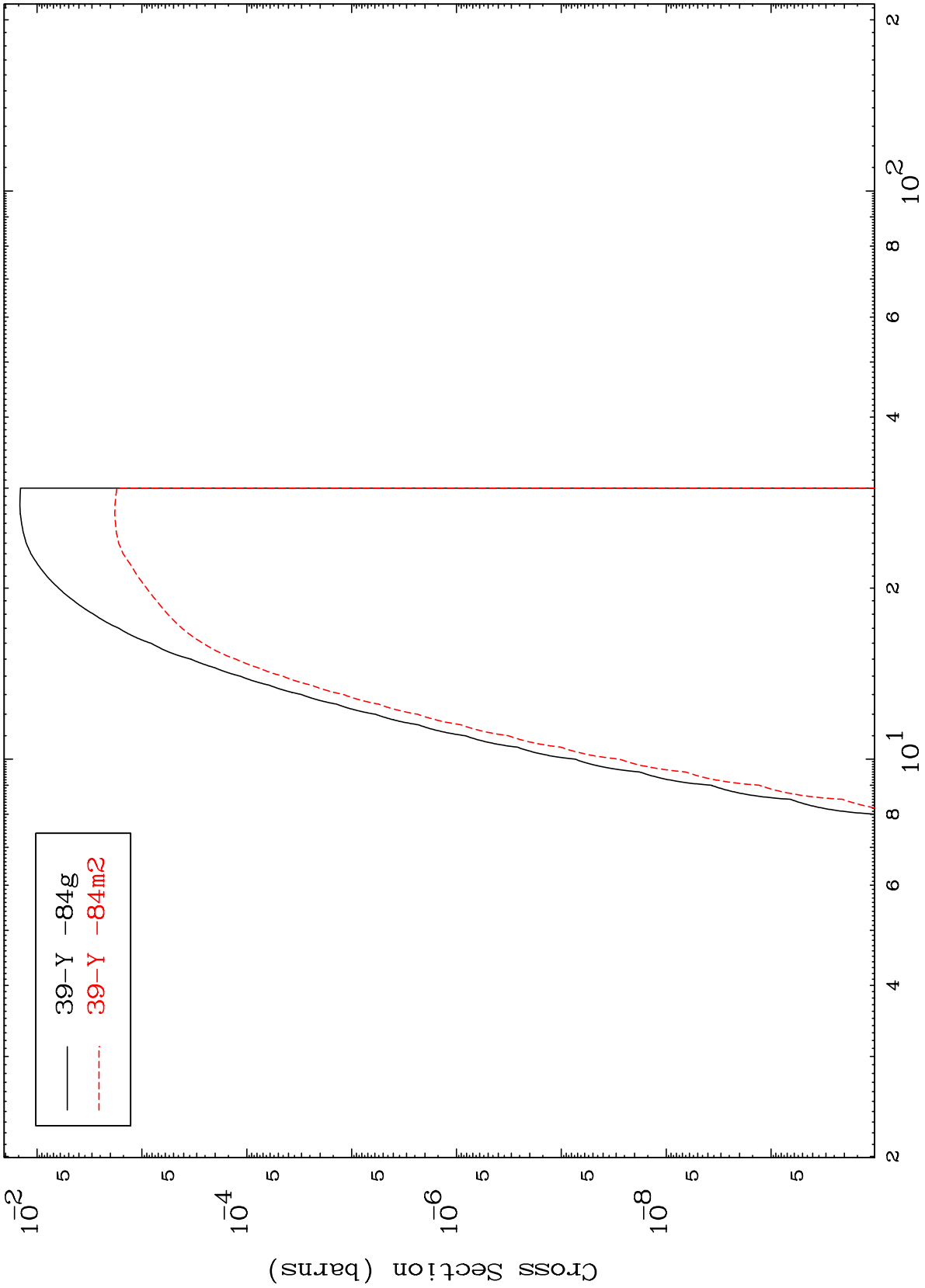
— 40-Zr-85g
- - - 40-Zr-85m2

MAT 4104

(n, He-3)

41-Nb-86

Radionuclide Production Cross Section



39-Y -84g
39-Y -84m2

84

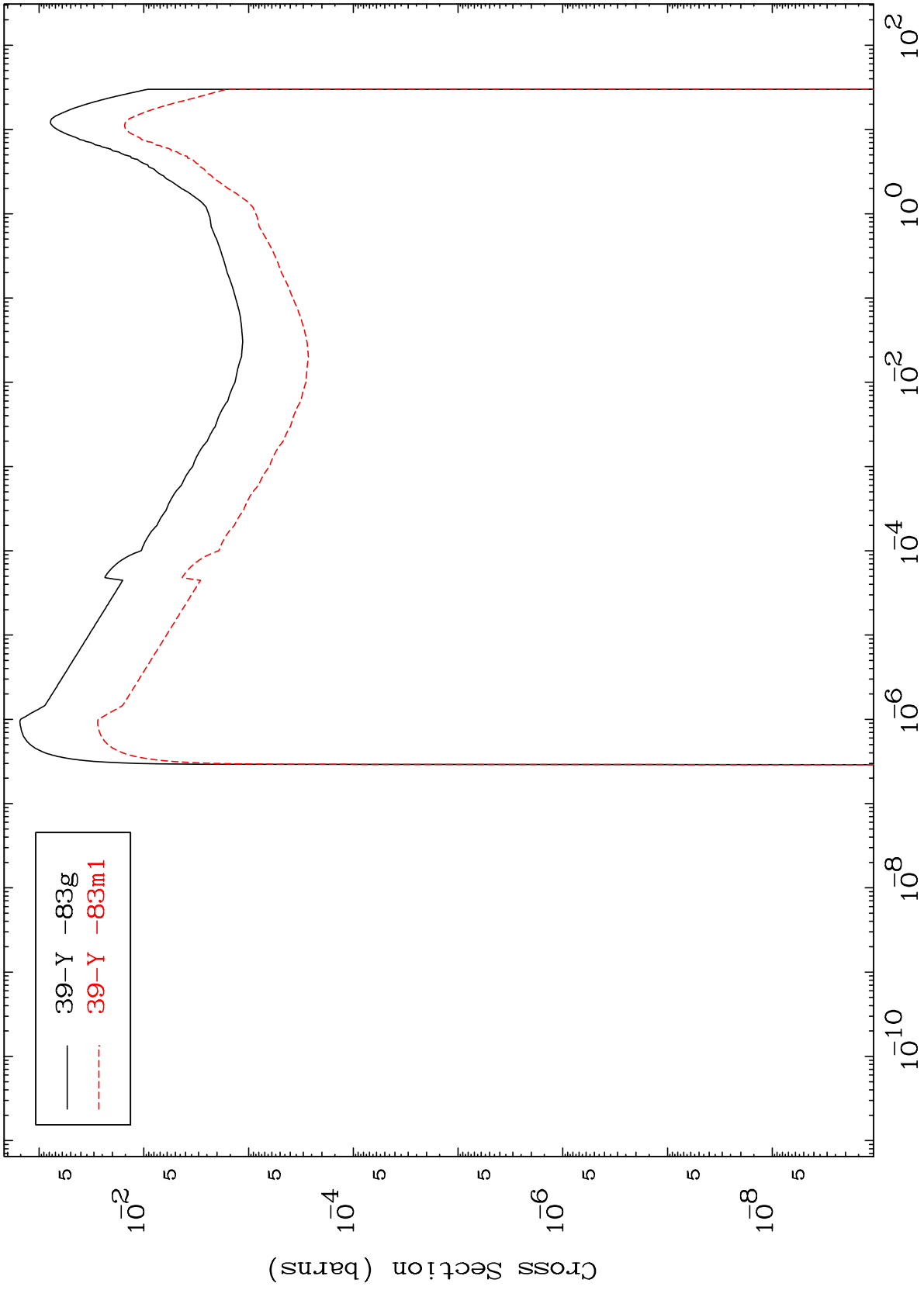
Incident Energy (MeV)

41-Nb-86

MAT 4104

41-Nb-86

(n,α)
Radionuclide Production Cross Section



85

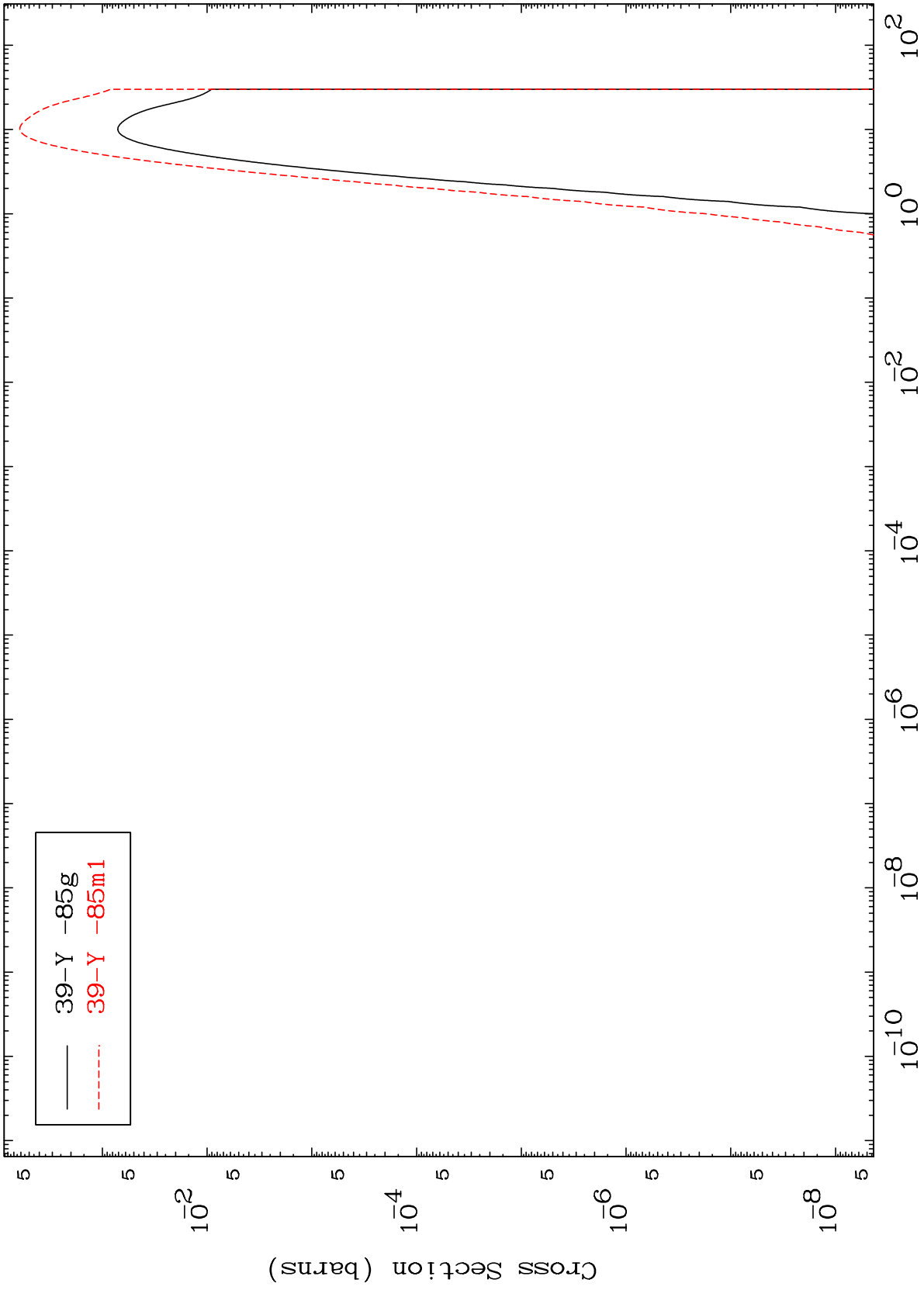
Incident Energy (MeV)

41-Nb-86

MAT 4104

Radionuclide Production Cross Section
(n,2p)

41-Nb-86



86

Incident Energy (MeV)

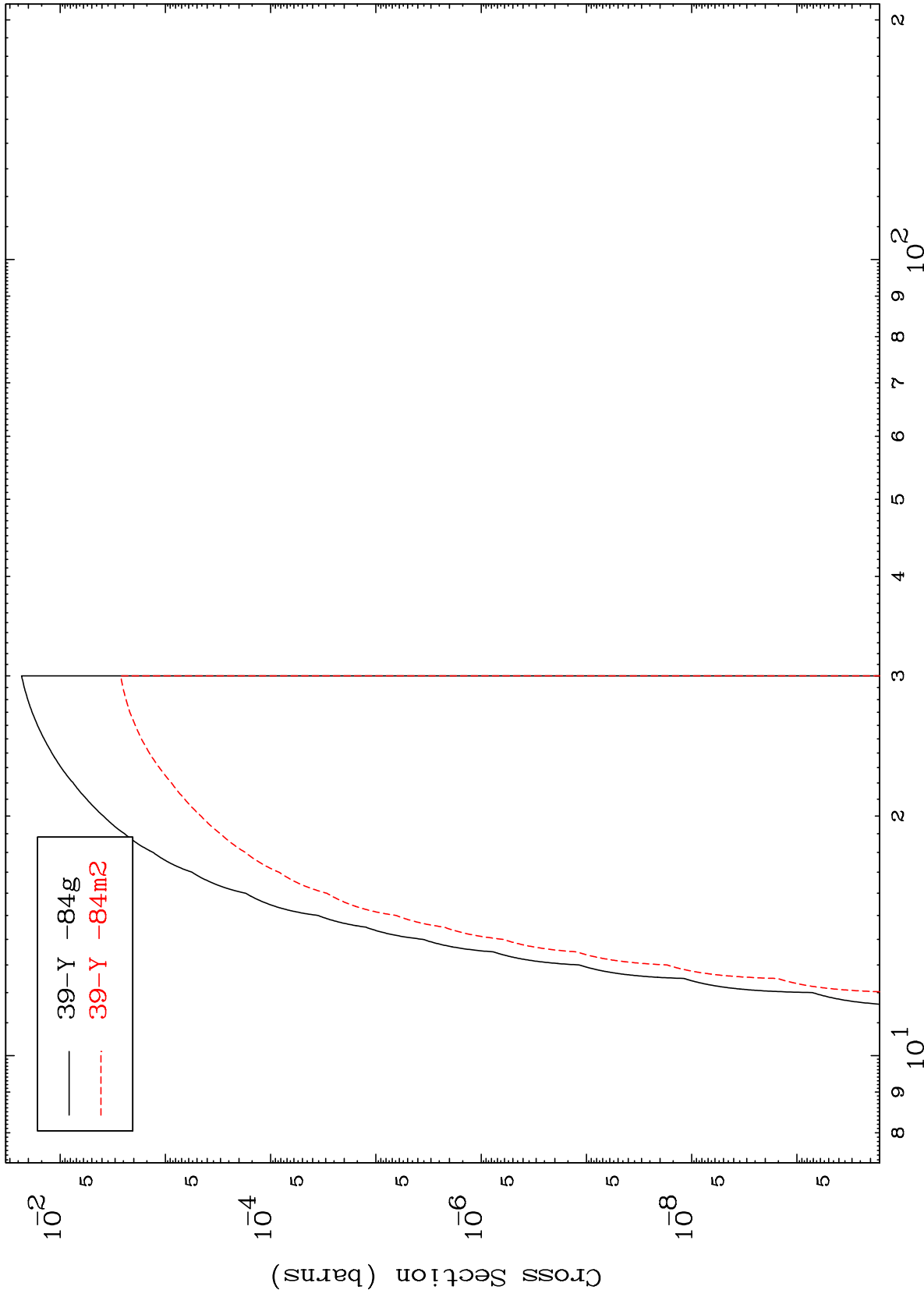
41-Nb-86

MAT 4104

(n,p) d

41-Nb-86

Radionuclide Production Cross Section



87

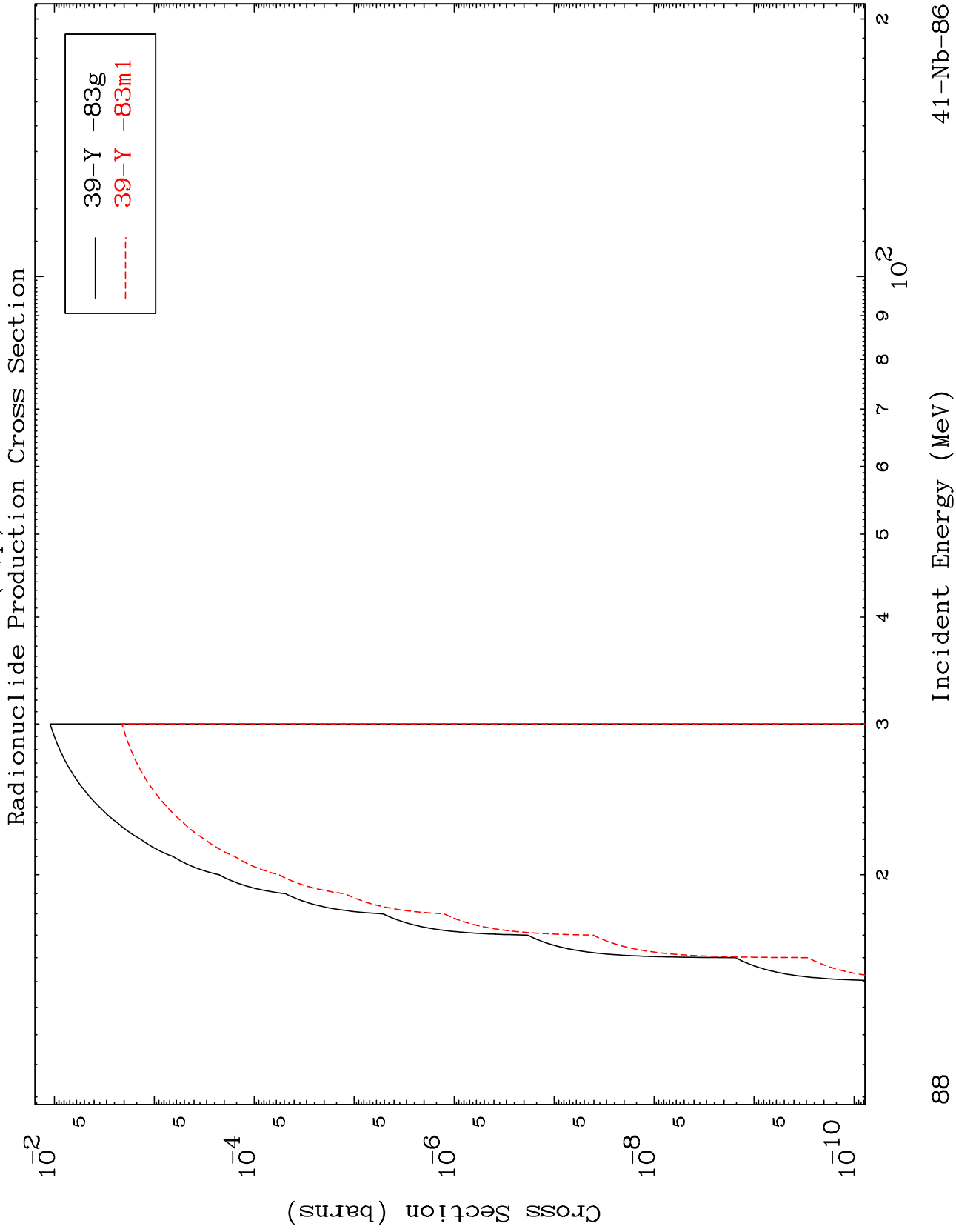
Incident Energy (MeV)

41-Nb-86

MAT 4104

(n,p) t

41-Nb-86



88

41-Nb-86