

Program EVALPLOT
(Version 2021-1)

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

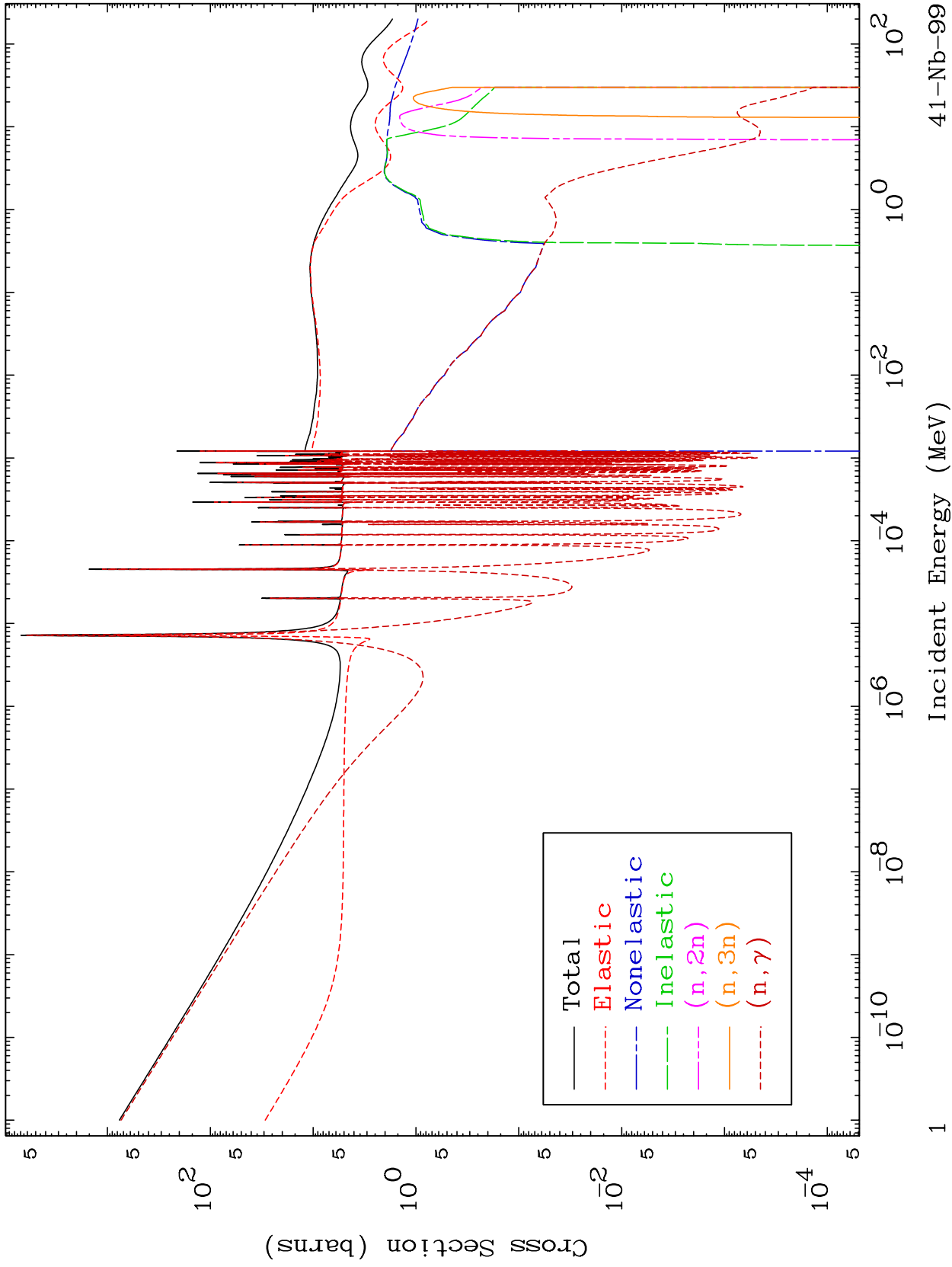
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

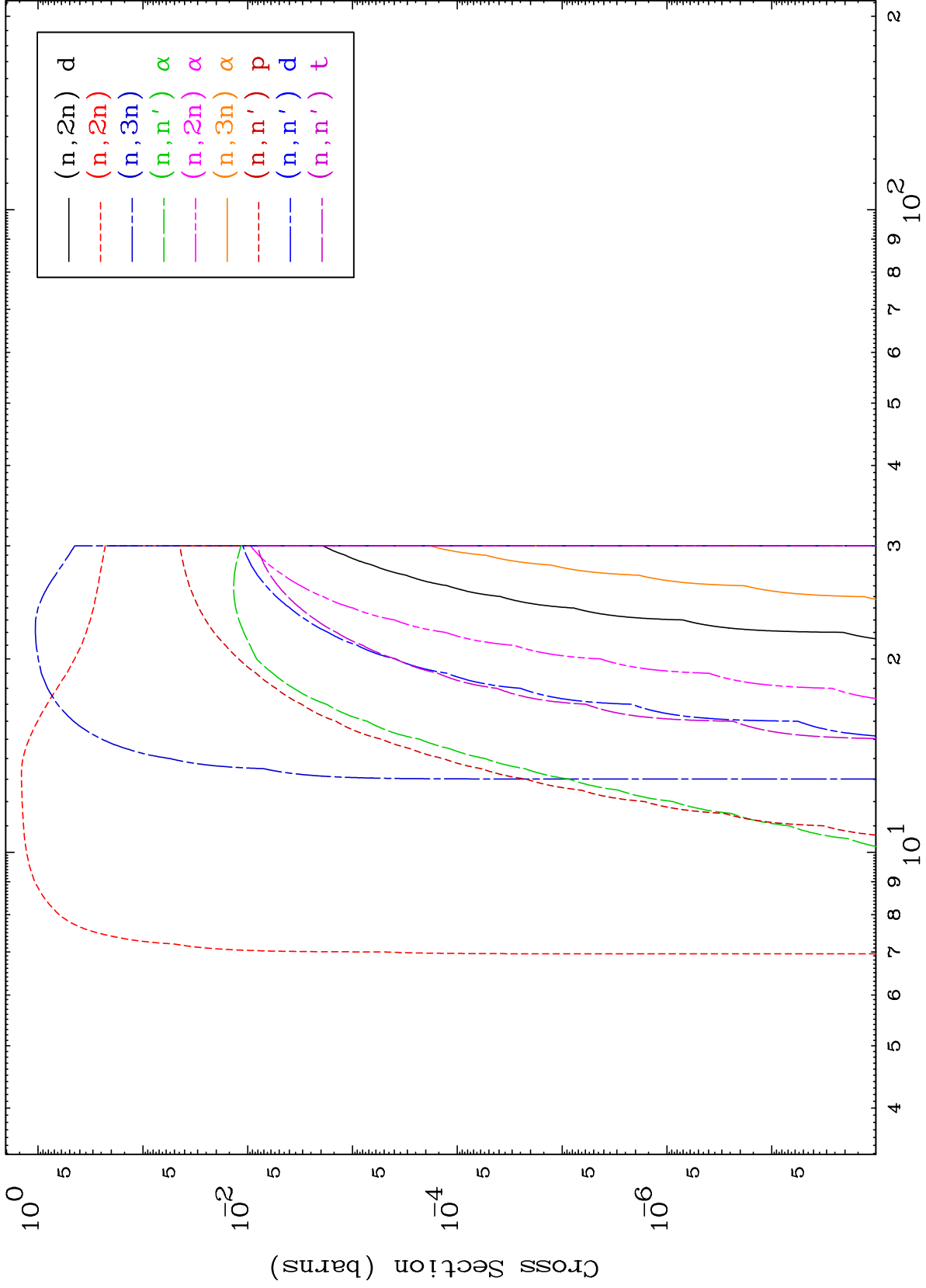
MAT 4143

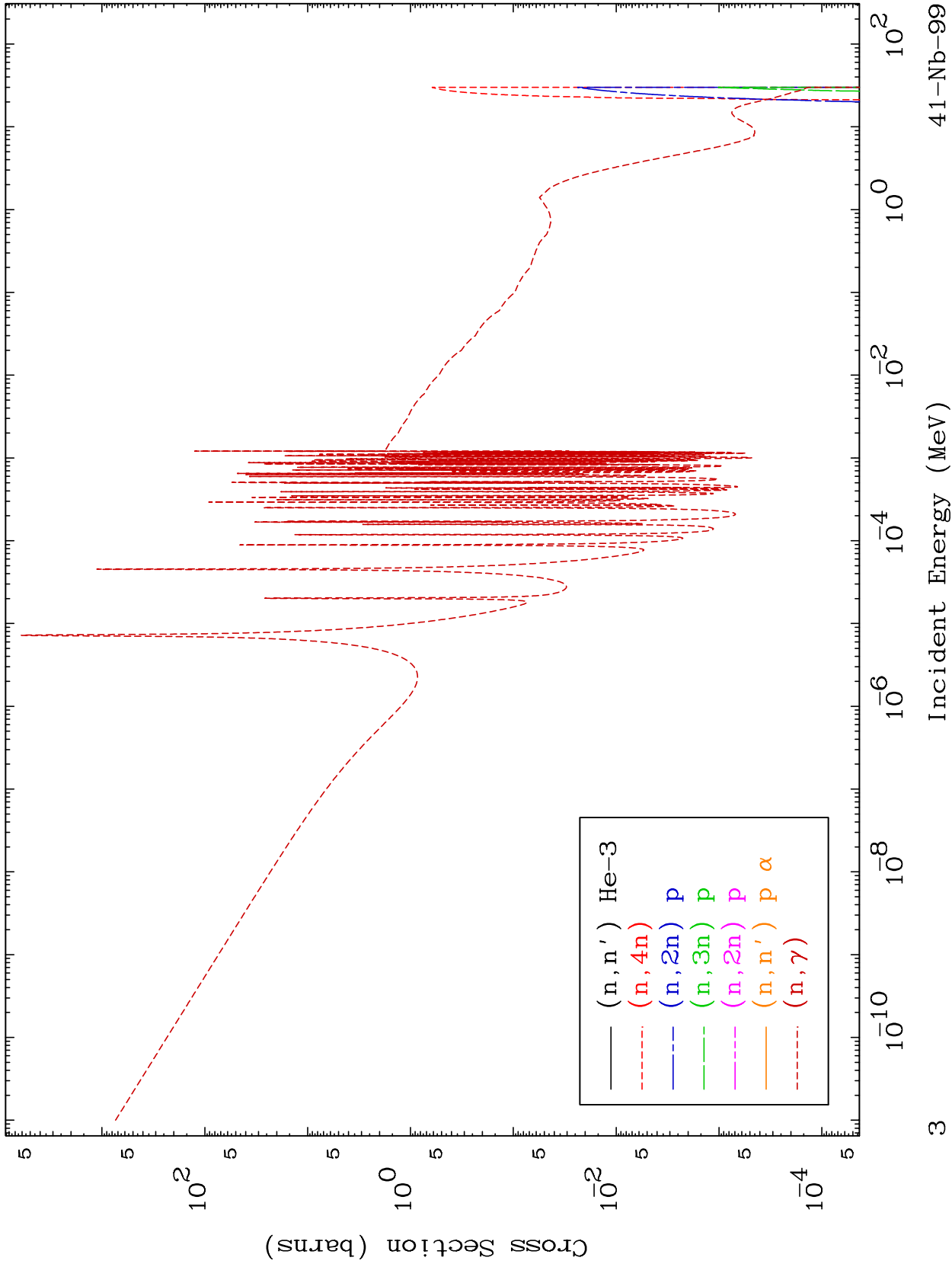
Neutron Major
293 Kelvin Cross Sections

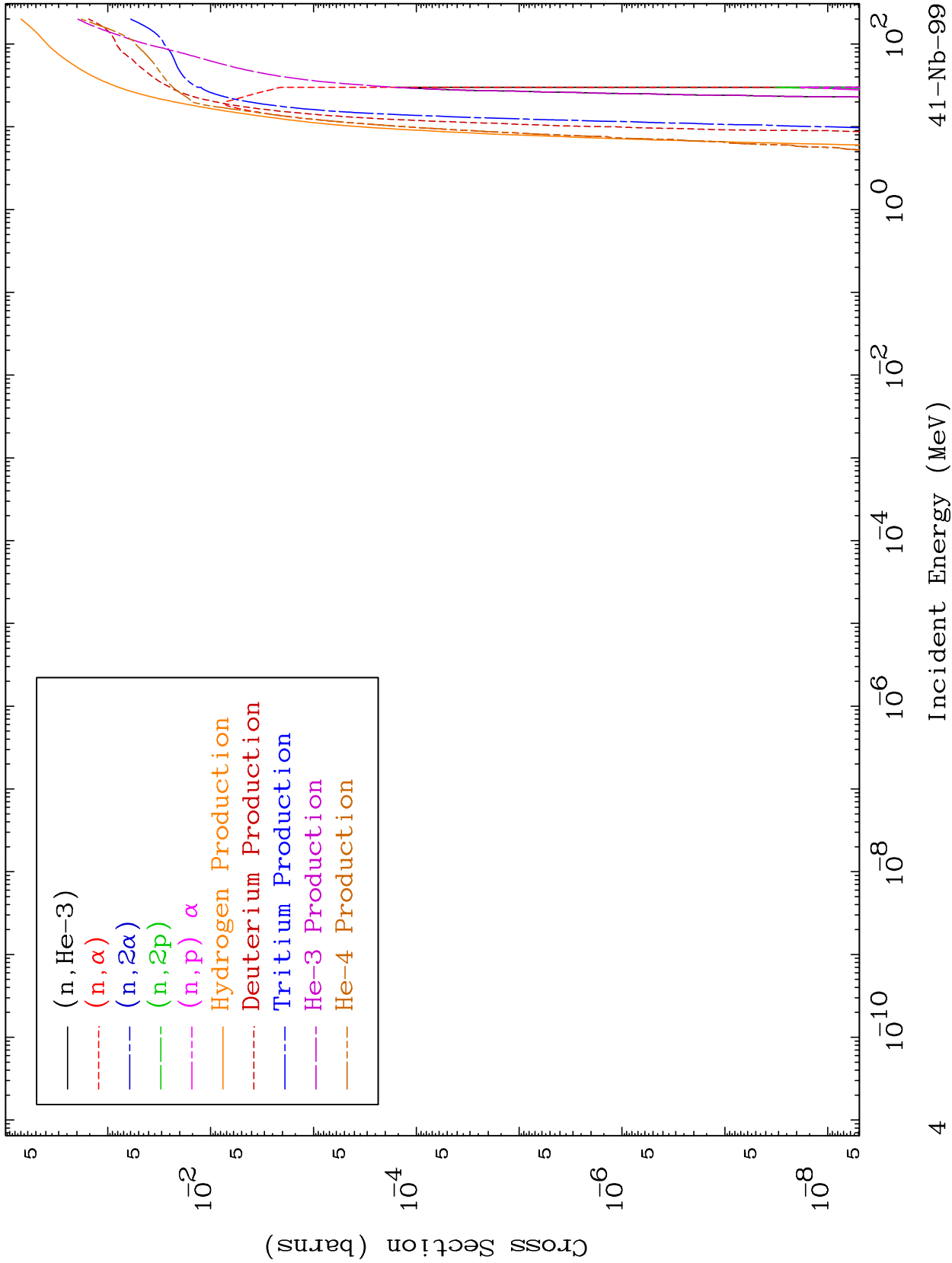
41-Nb-99

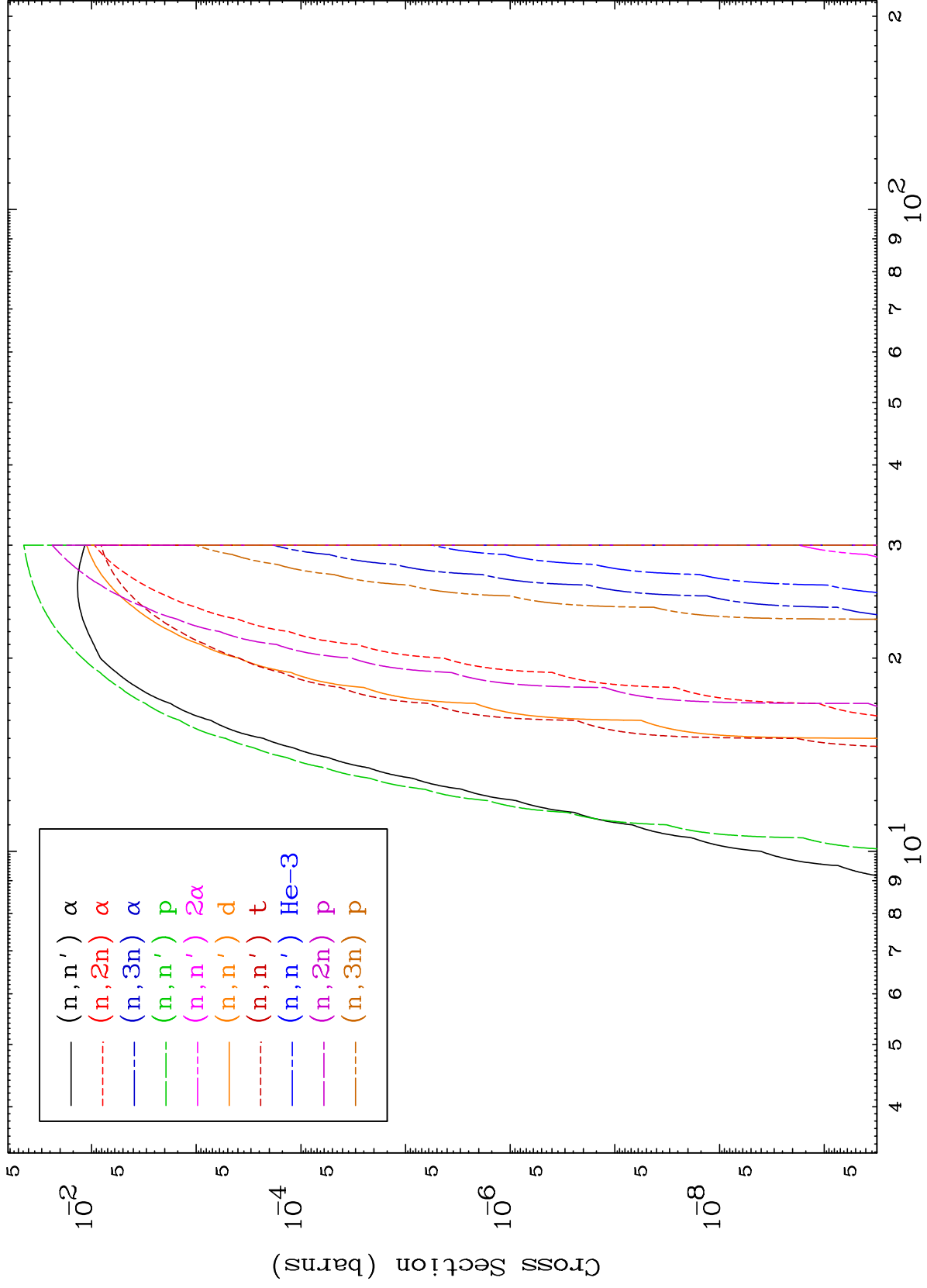


41-Nb-99





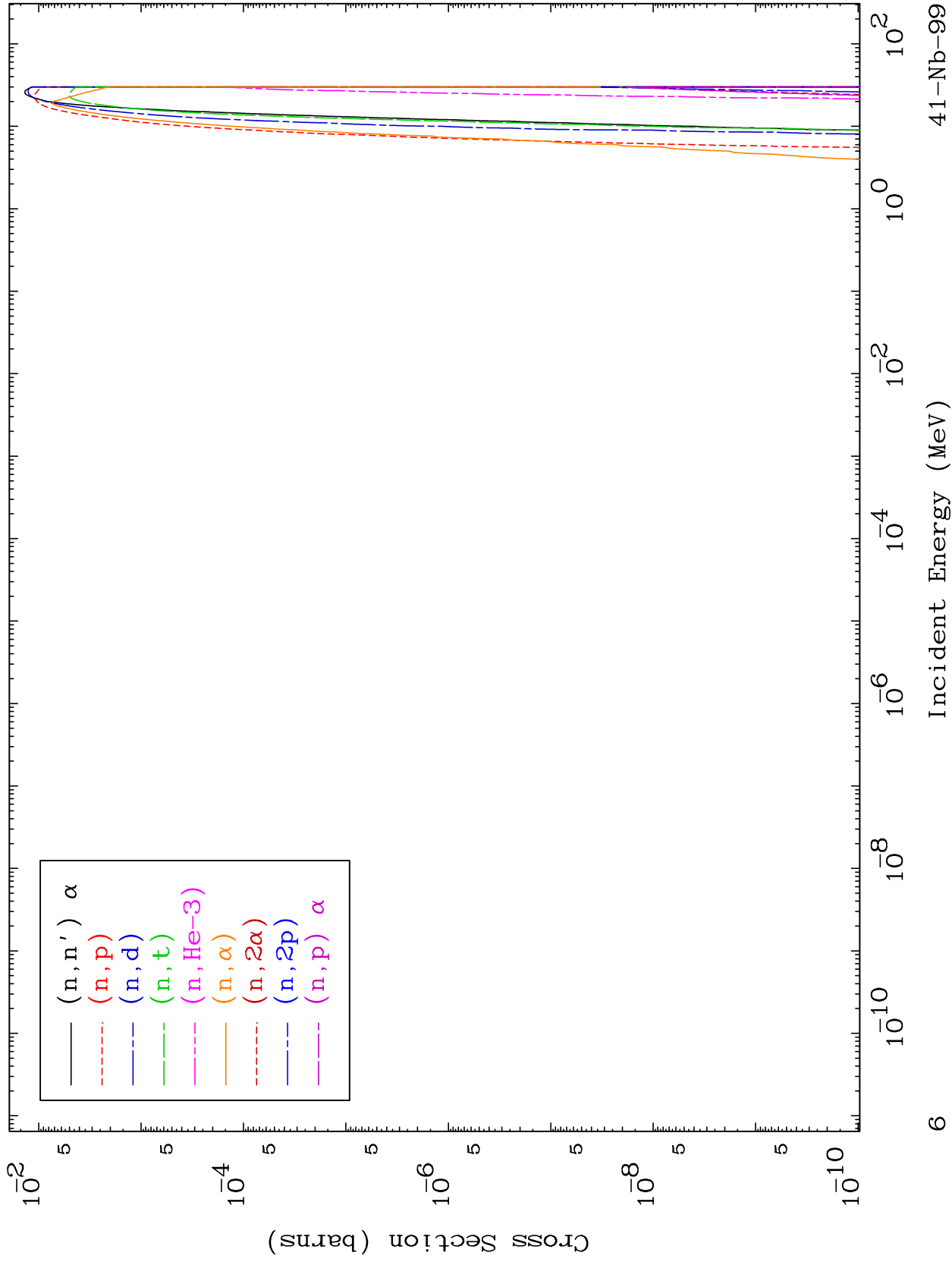




MAT 4143

Charged Particle
293 Kelvin Cross Sections

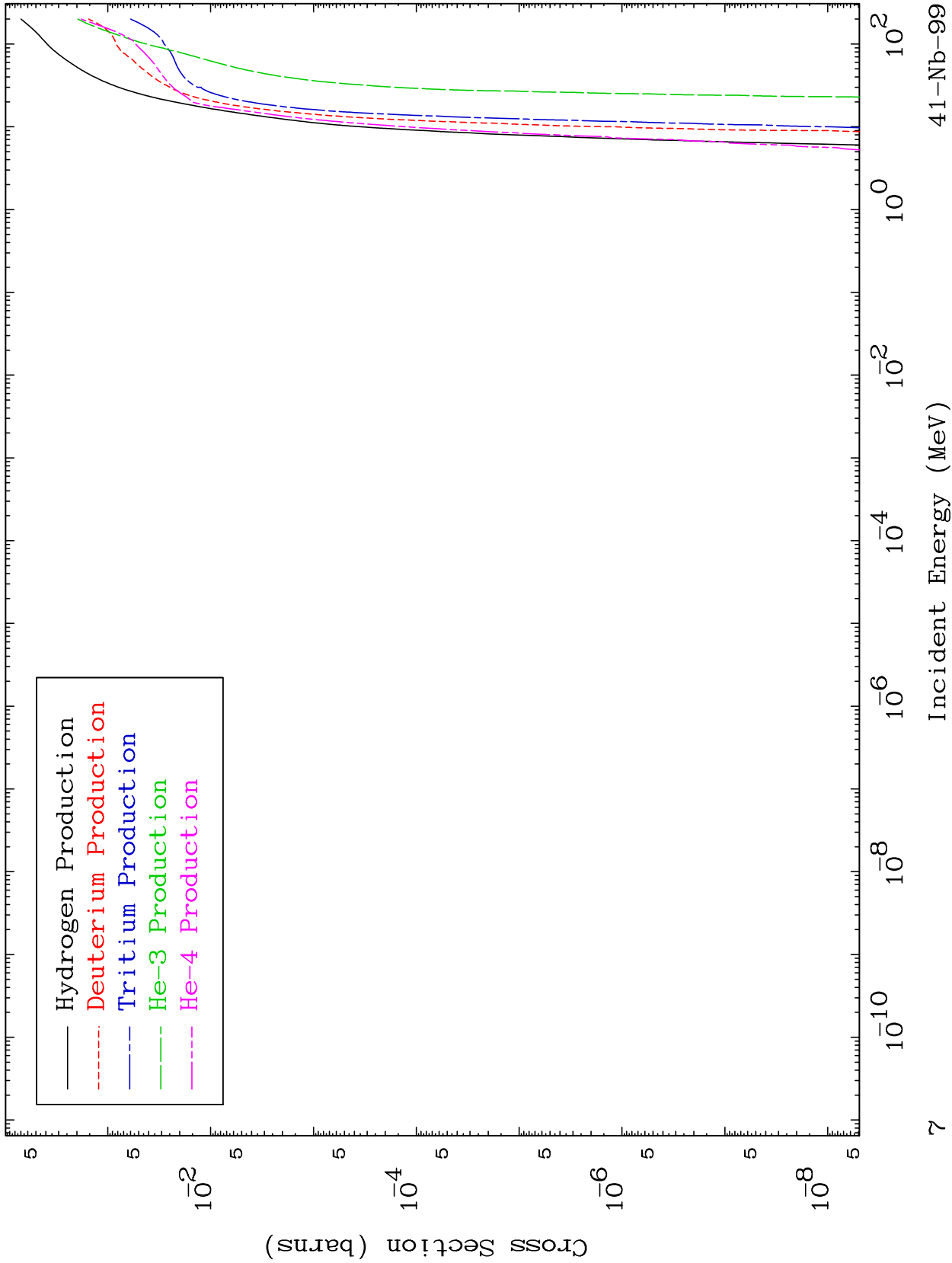
41-Nb-99

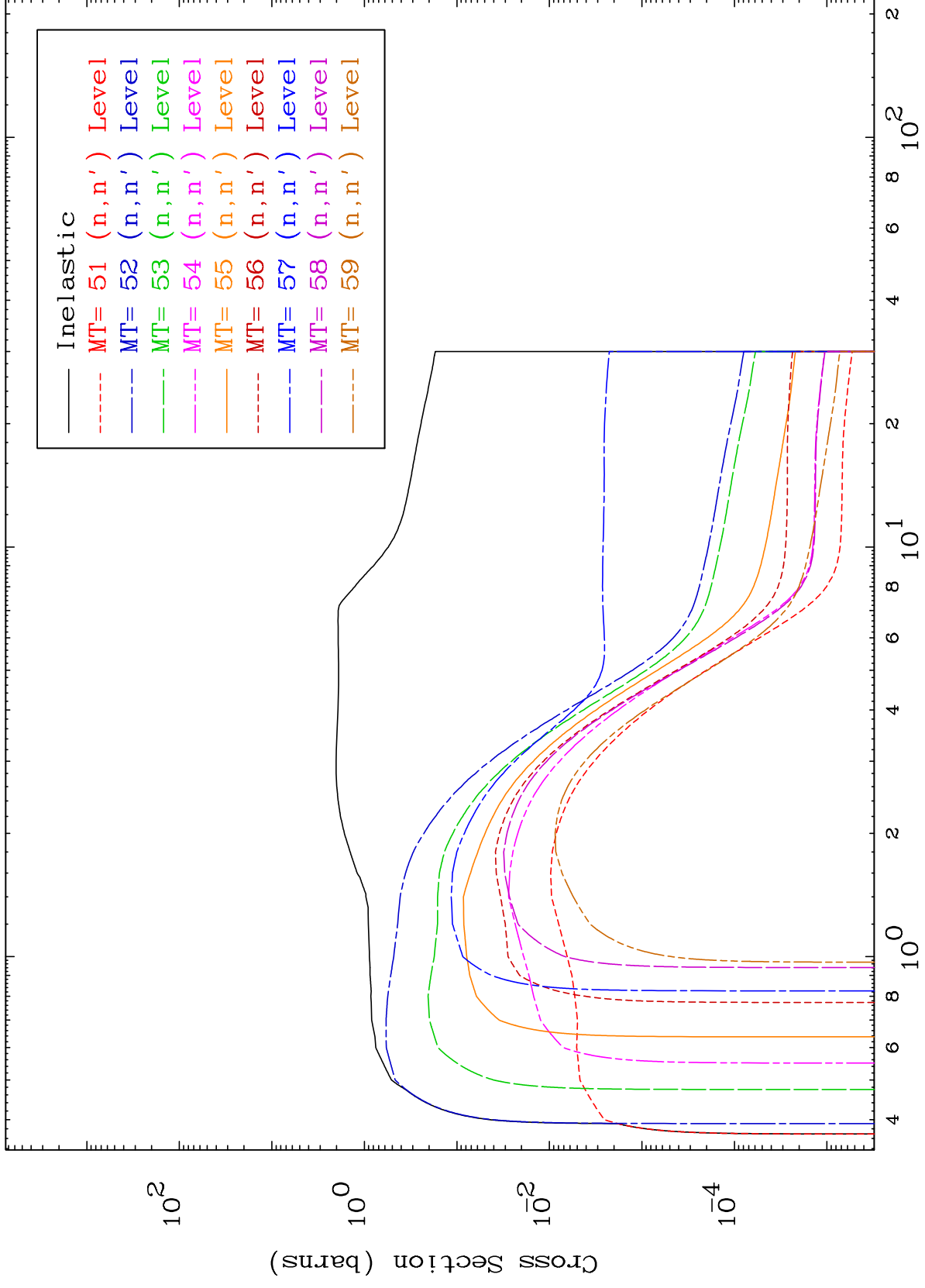


MAT 4143

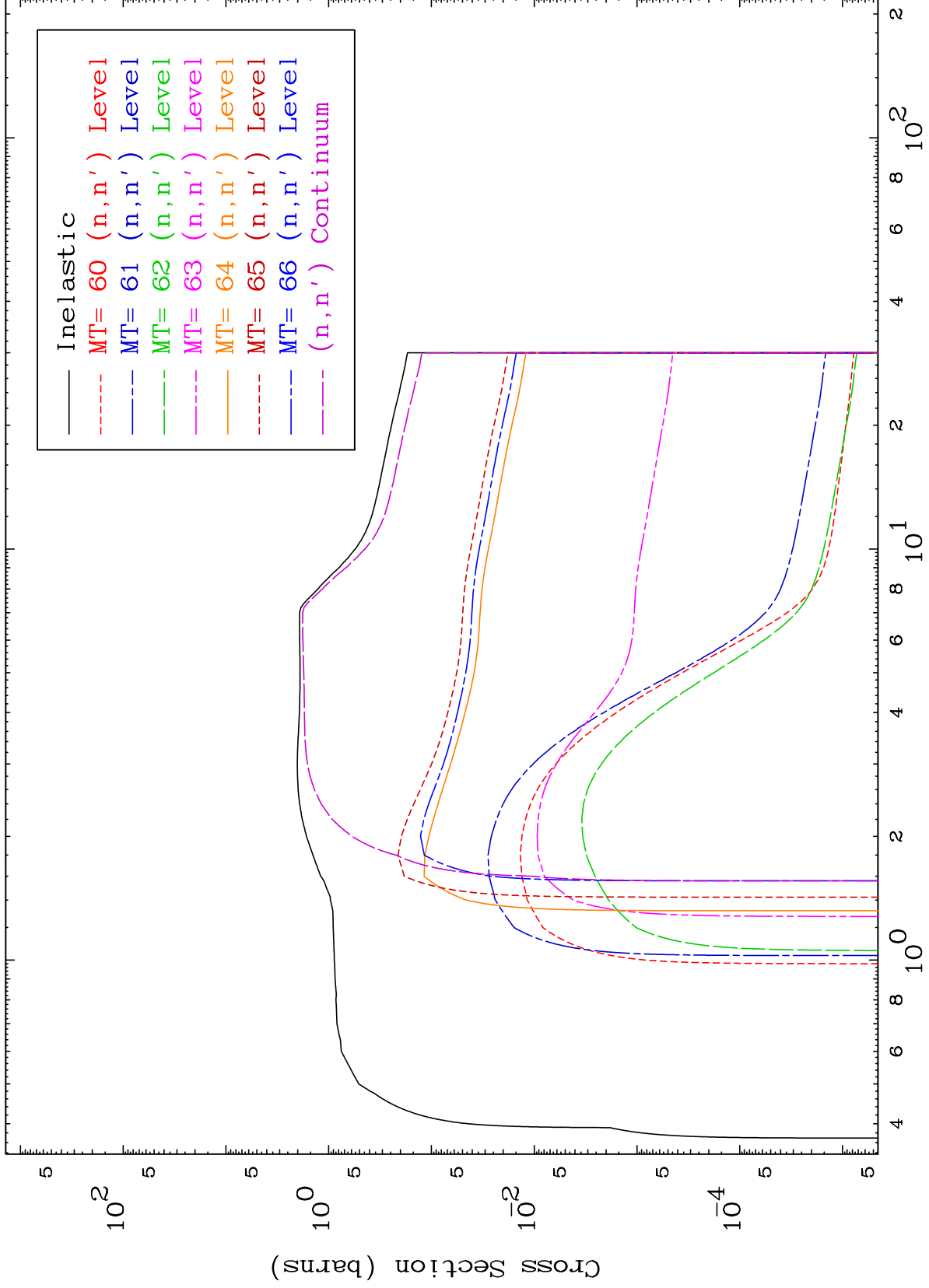
Particle Production
293 Kelvin Cross Sections

41-Nb-99





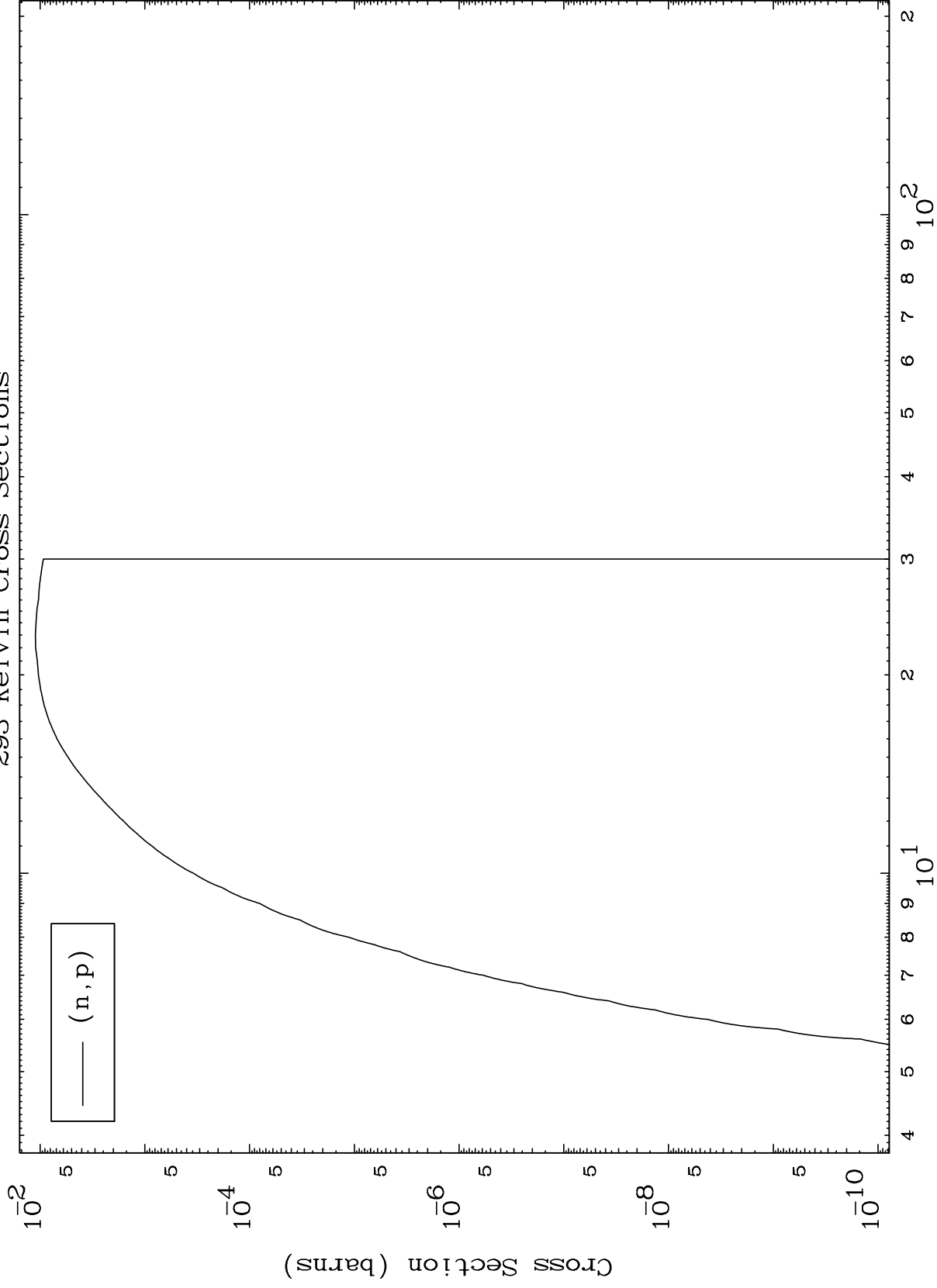
293 Kelvin Cross Sections



MAT 4143

(n,p) Levels
293 Kelvin Cross Sections

41-Nb-99



10

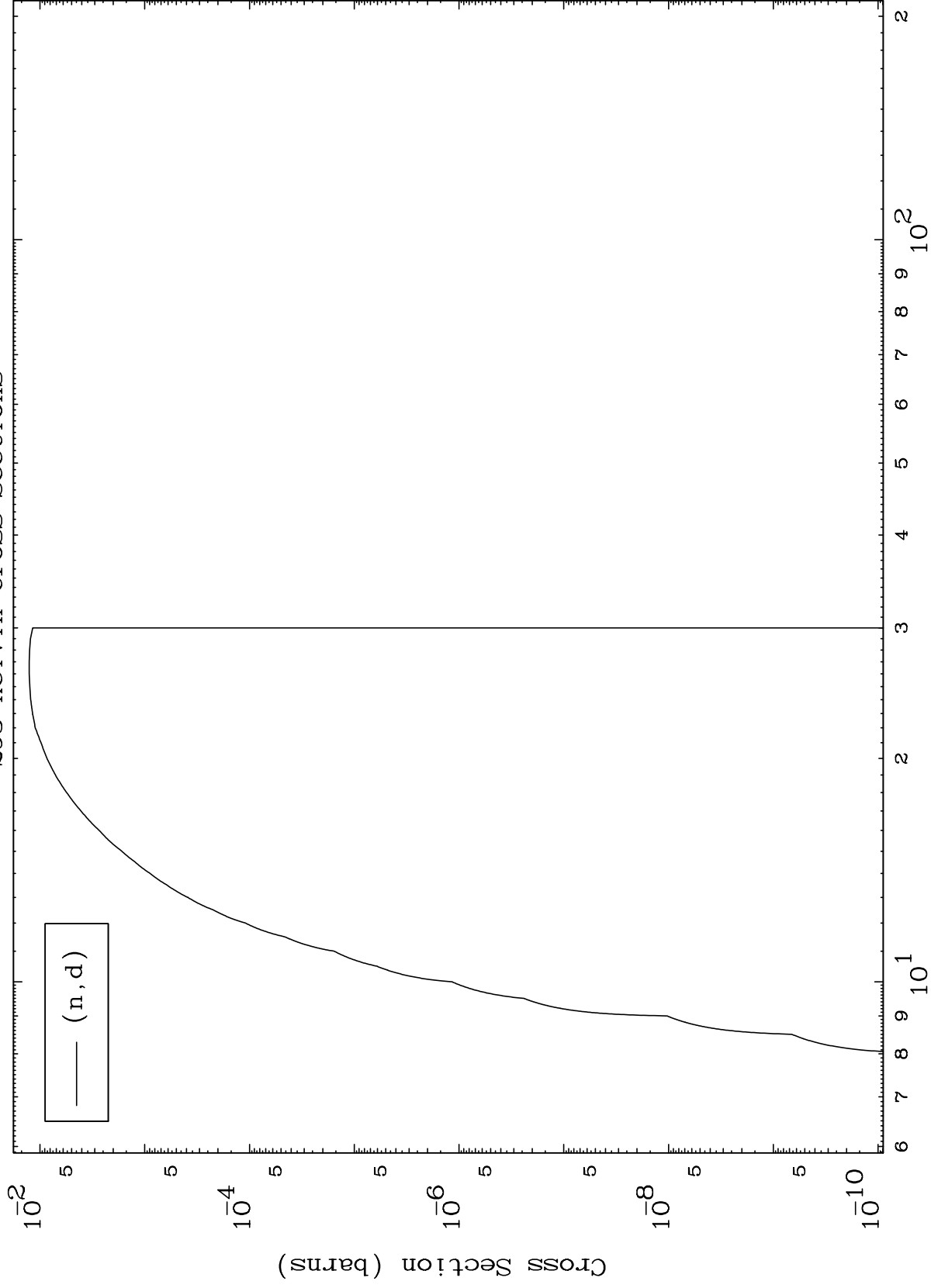
Incident Energy (MeV)

41-Nb-99

MAT 4143

(n,d) Levels
293 Kelvin Cross Sections

41-Nb-99



11

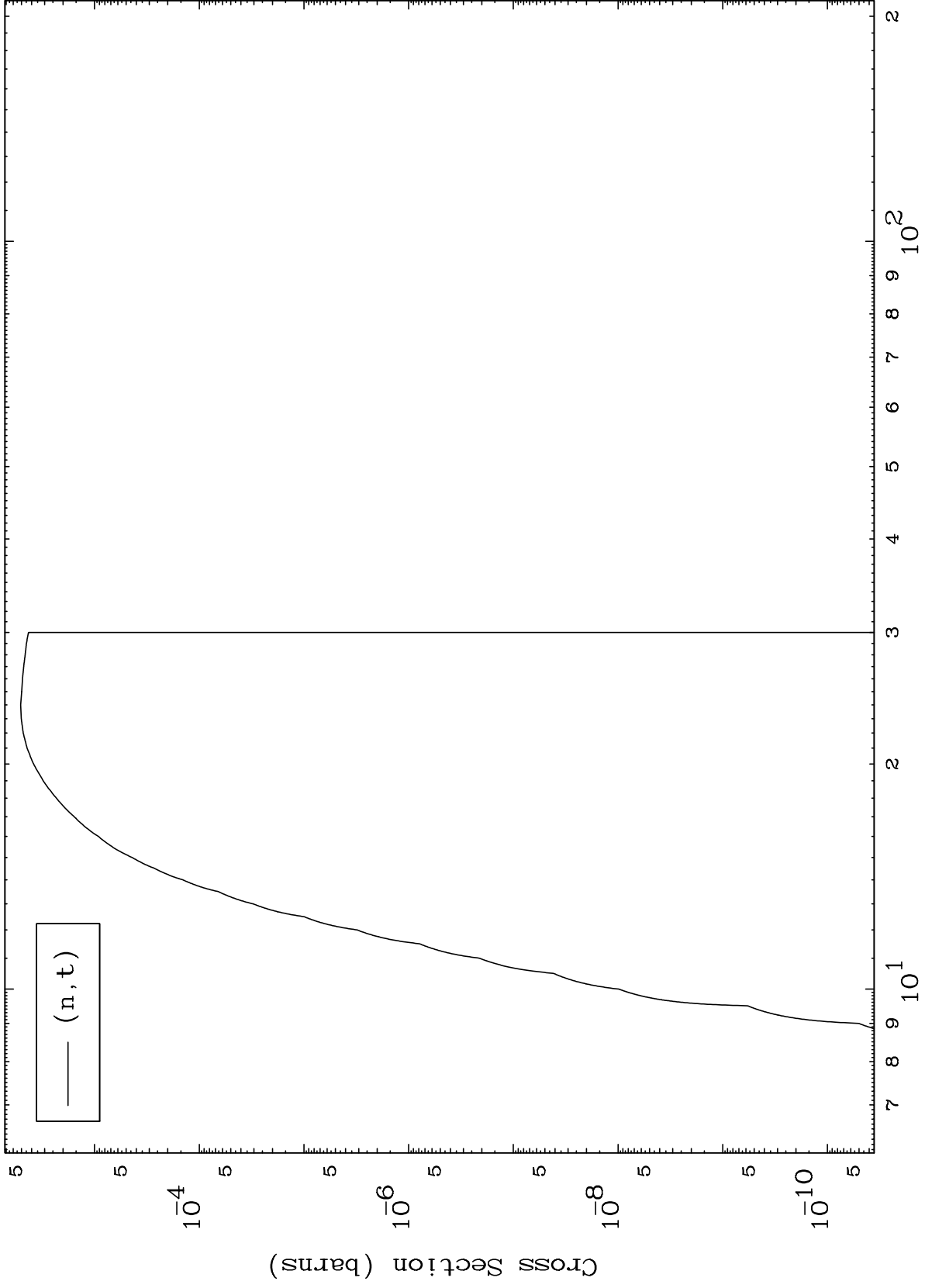
Incident Energy (MeV)

41-Nb-99

MAT 4143

(n,t) Levels
293 Kelvin Cross Sections

41-Nb-99



12

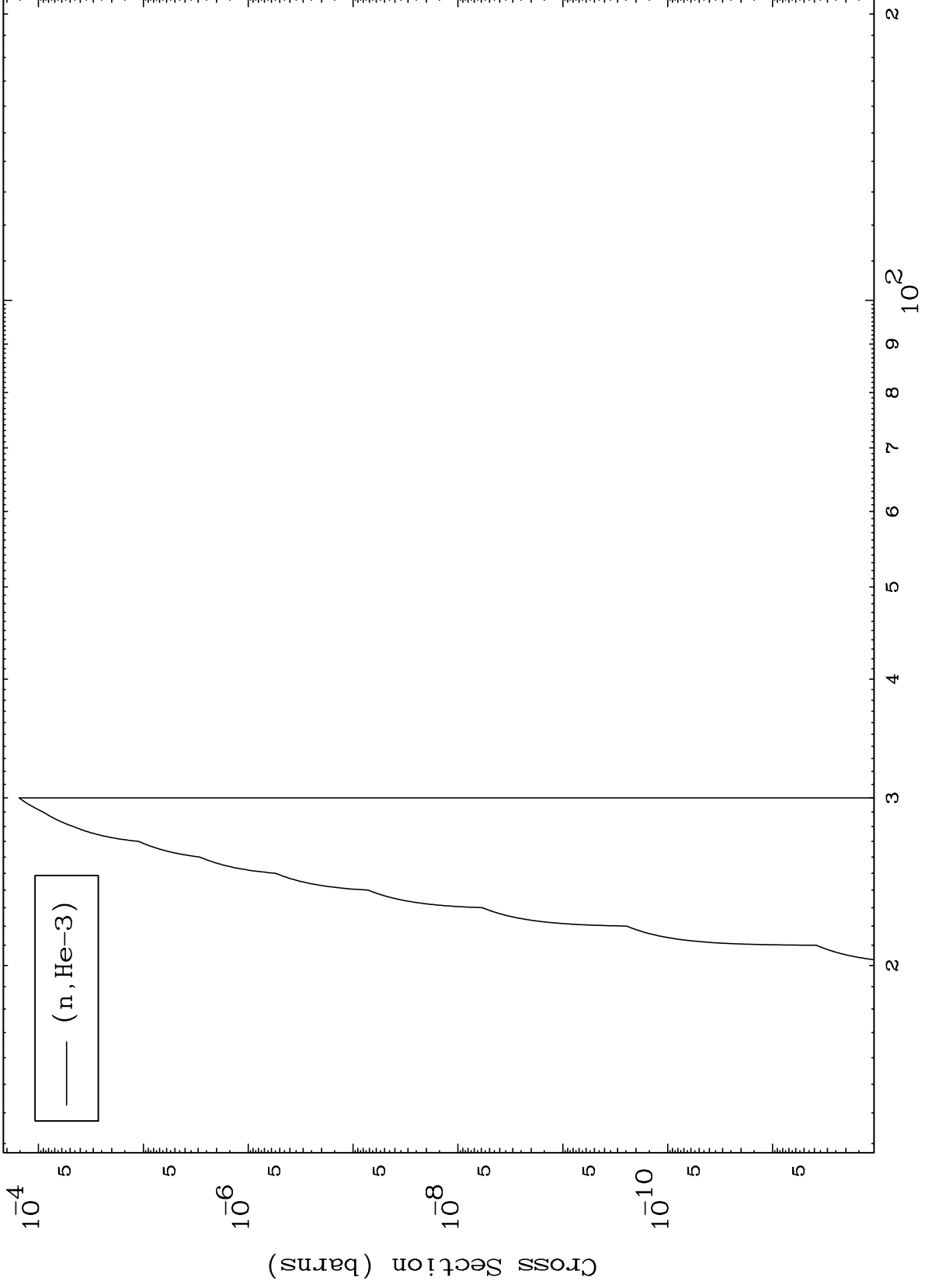
Incident Energy (MeV)

41-Nb-99

MAT 4143

(n,He3) Levels
293 Kelvin Cross Sections

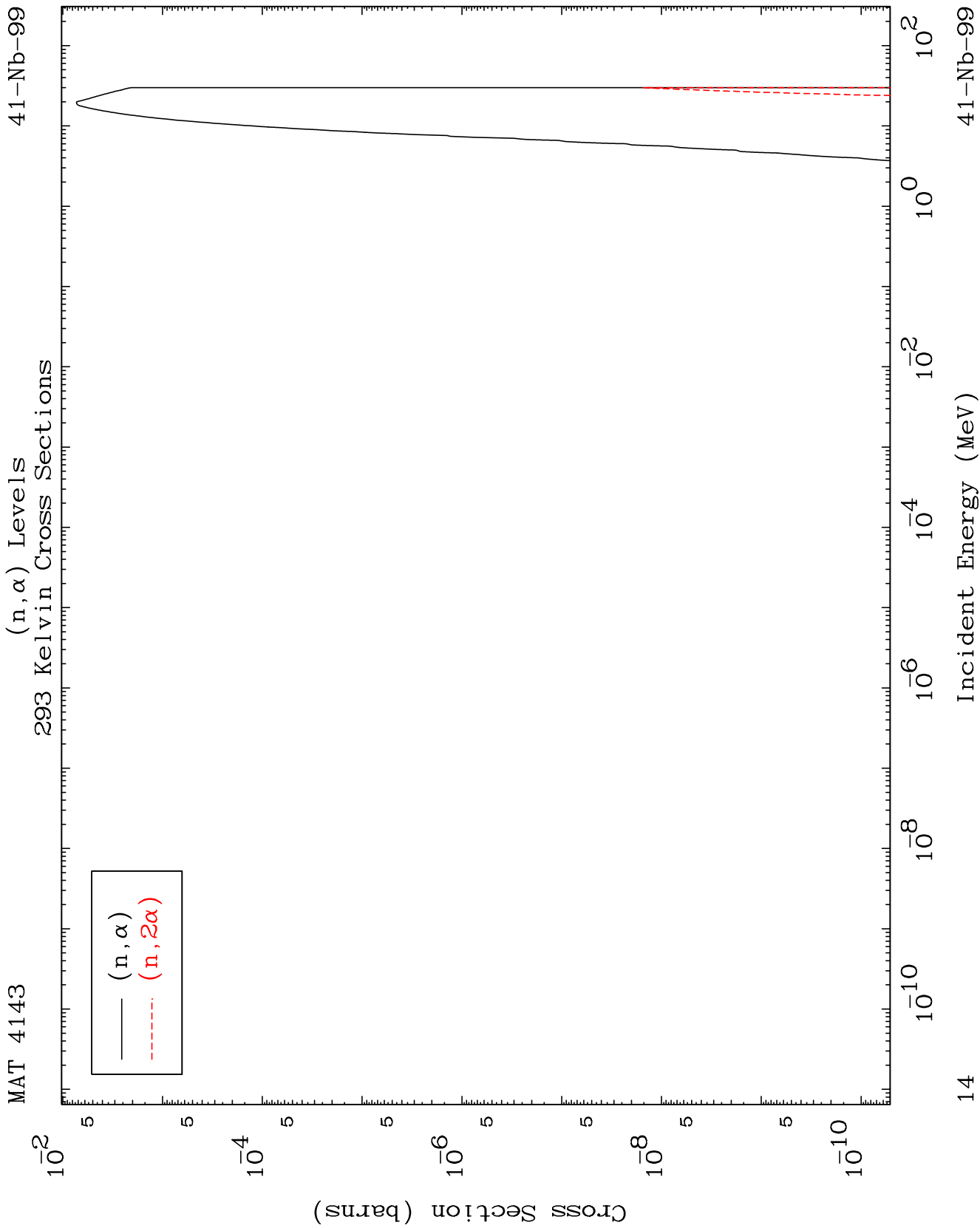
41-Nb-99



13

Incident Energy (MeV)

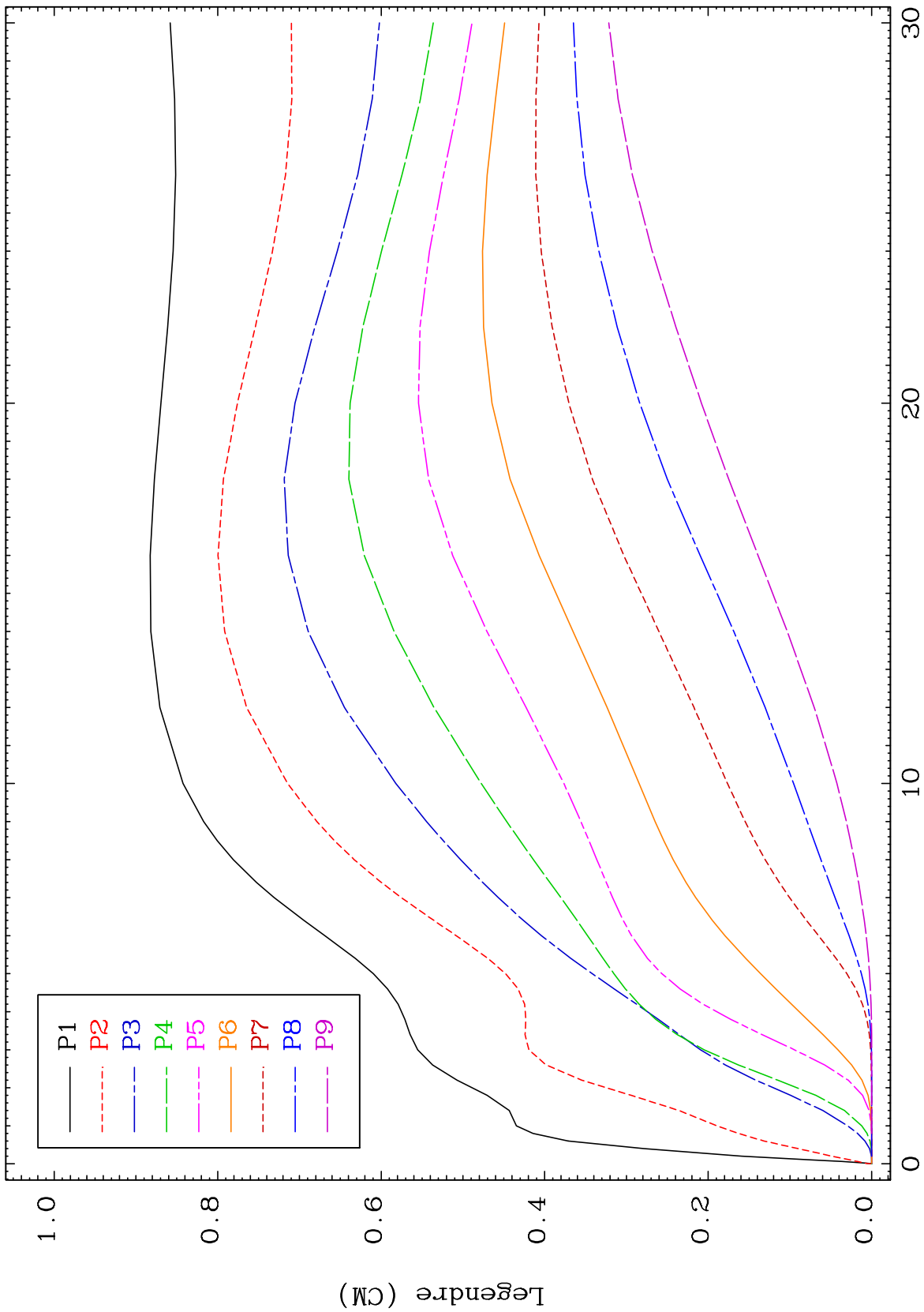
41-Nb-99



MAT 4143

Elastic Legendre Coefficients

41-Nb-99



15

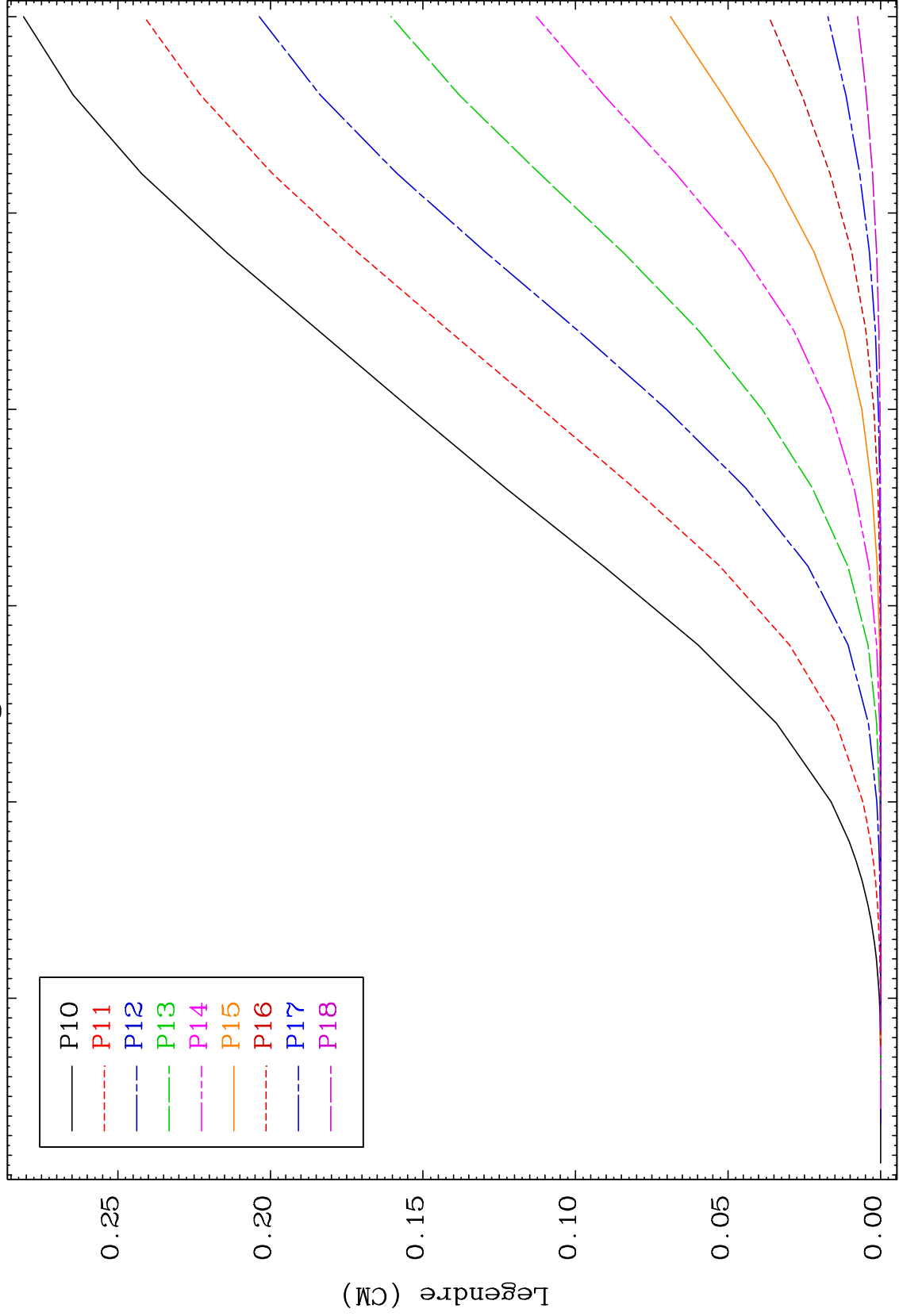
Incident Energy (MeV)

41-Nb-99

MAT 4143

Elastic Legendre Coefficients

41-Nb-99



16

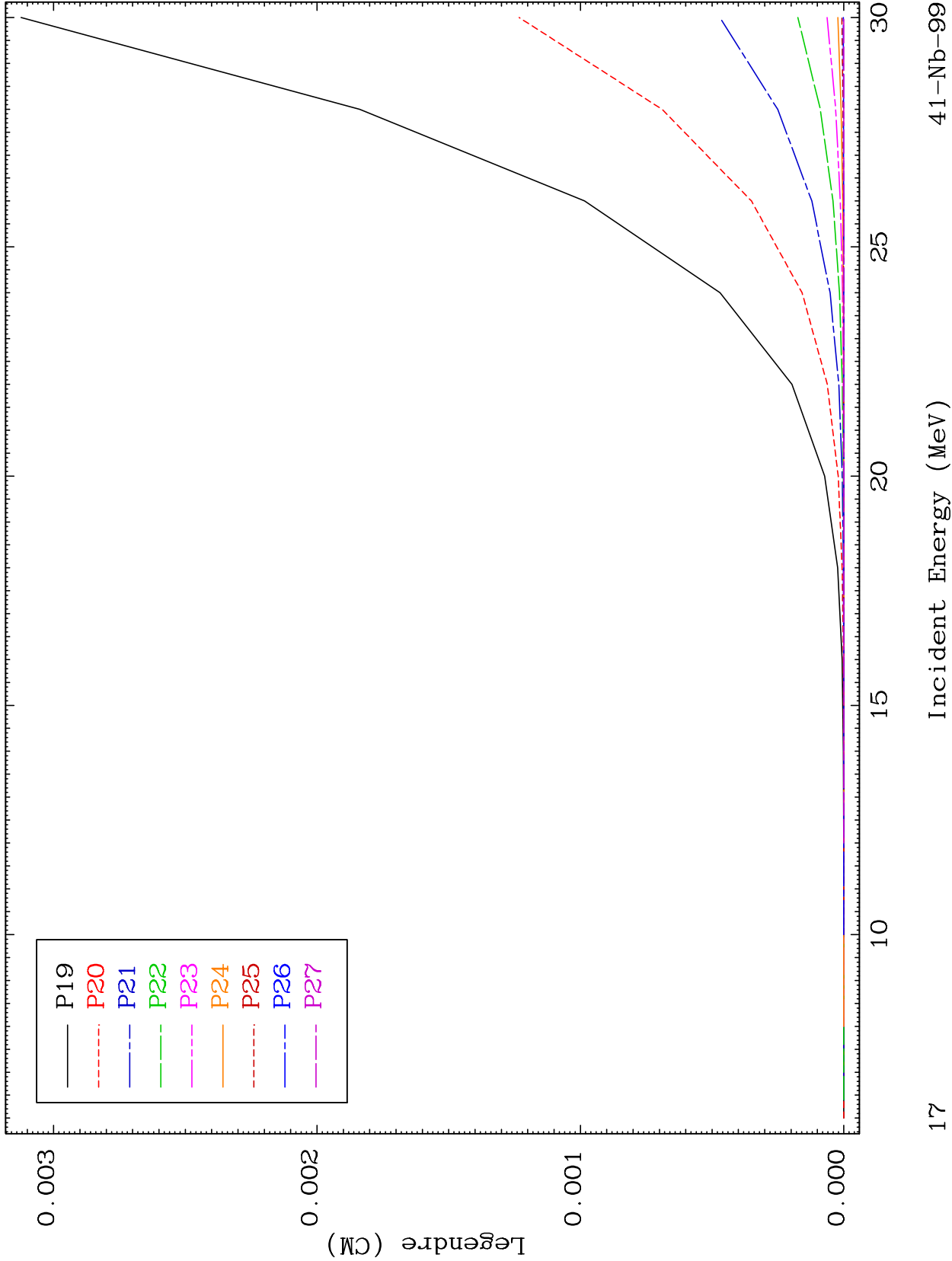
Incident Energy (MeV)

41-Nb-99

MAT 4143

Elastic Legendre Coefficients

41-Nb-99



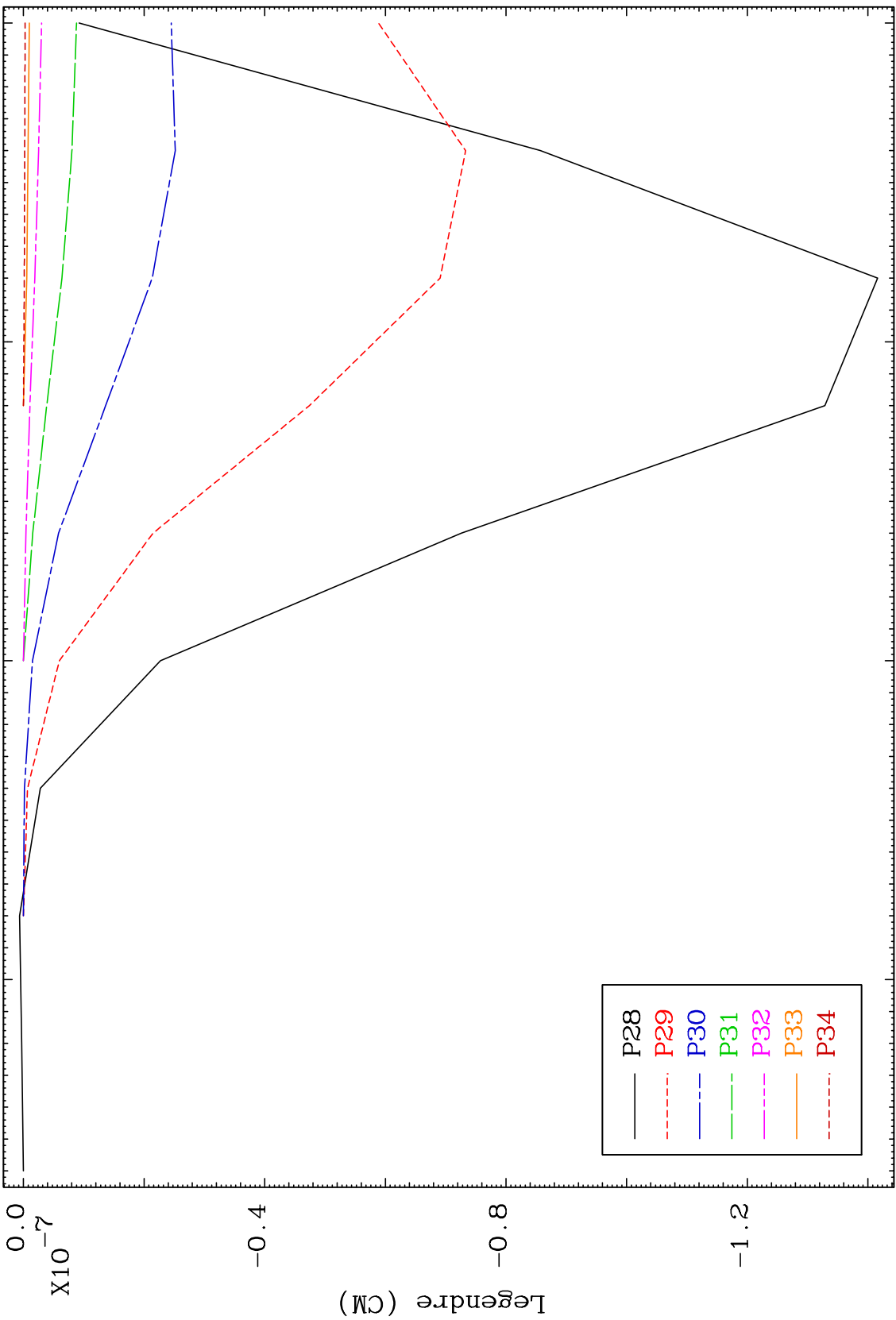
17

41-Nb-99

MAT 4143

41-Nb-99

Elastic Legendre Coefficients



15

20

25

30

18

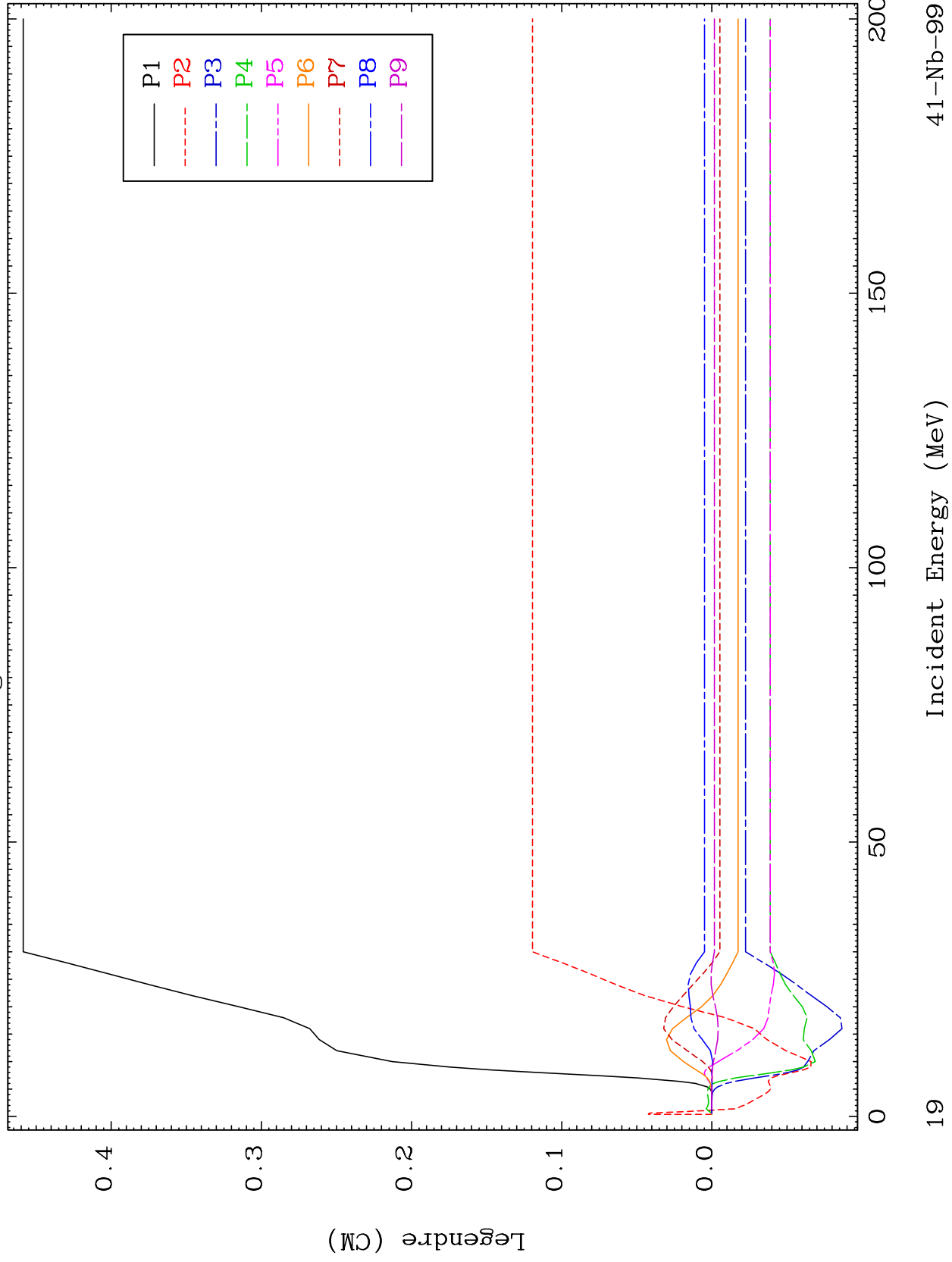
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

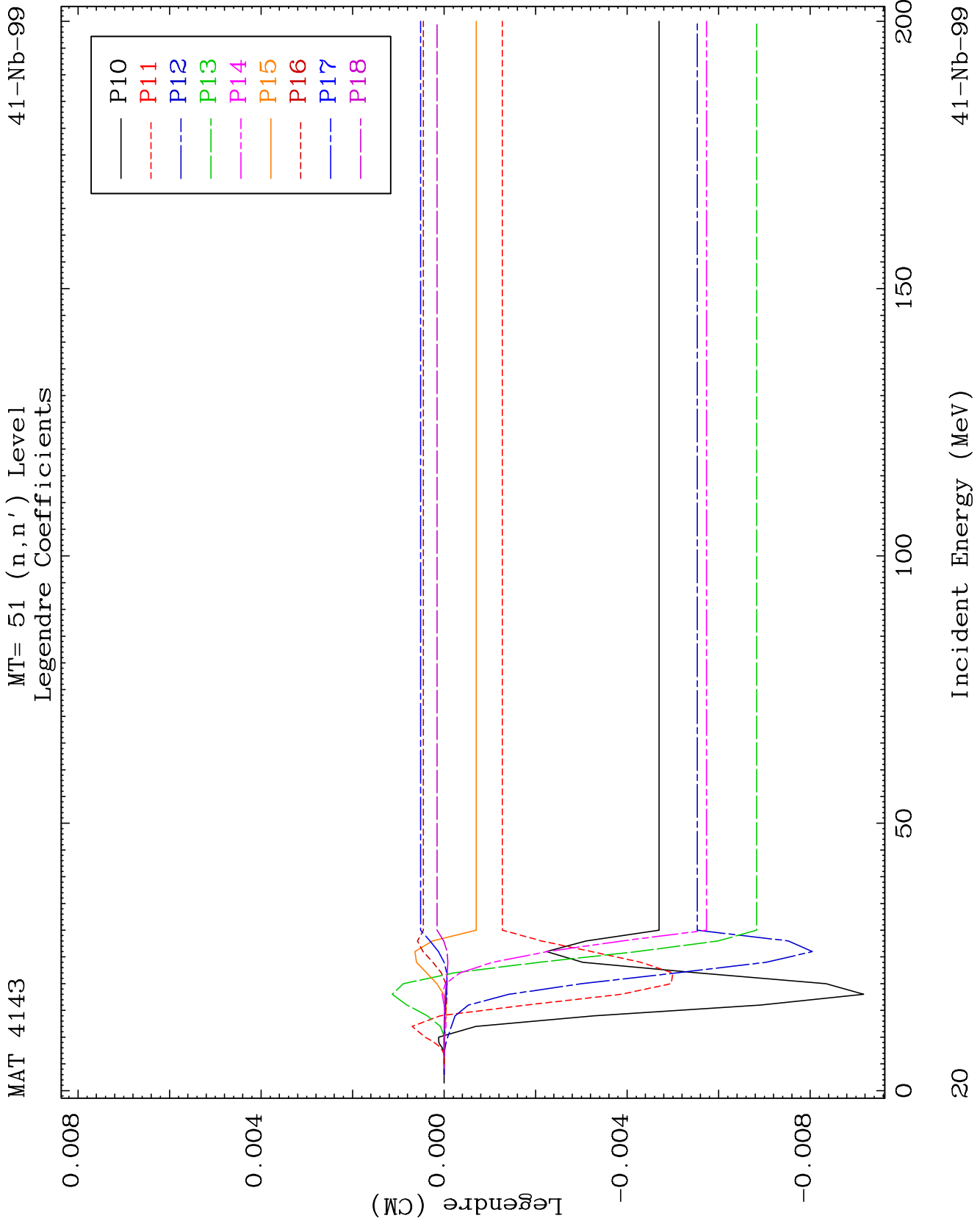
41-Nb-99



41-Nb-99

Incident Energy (MeV)

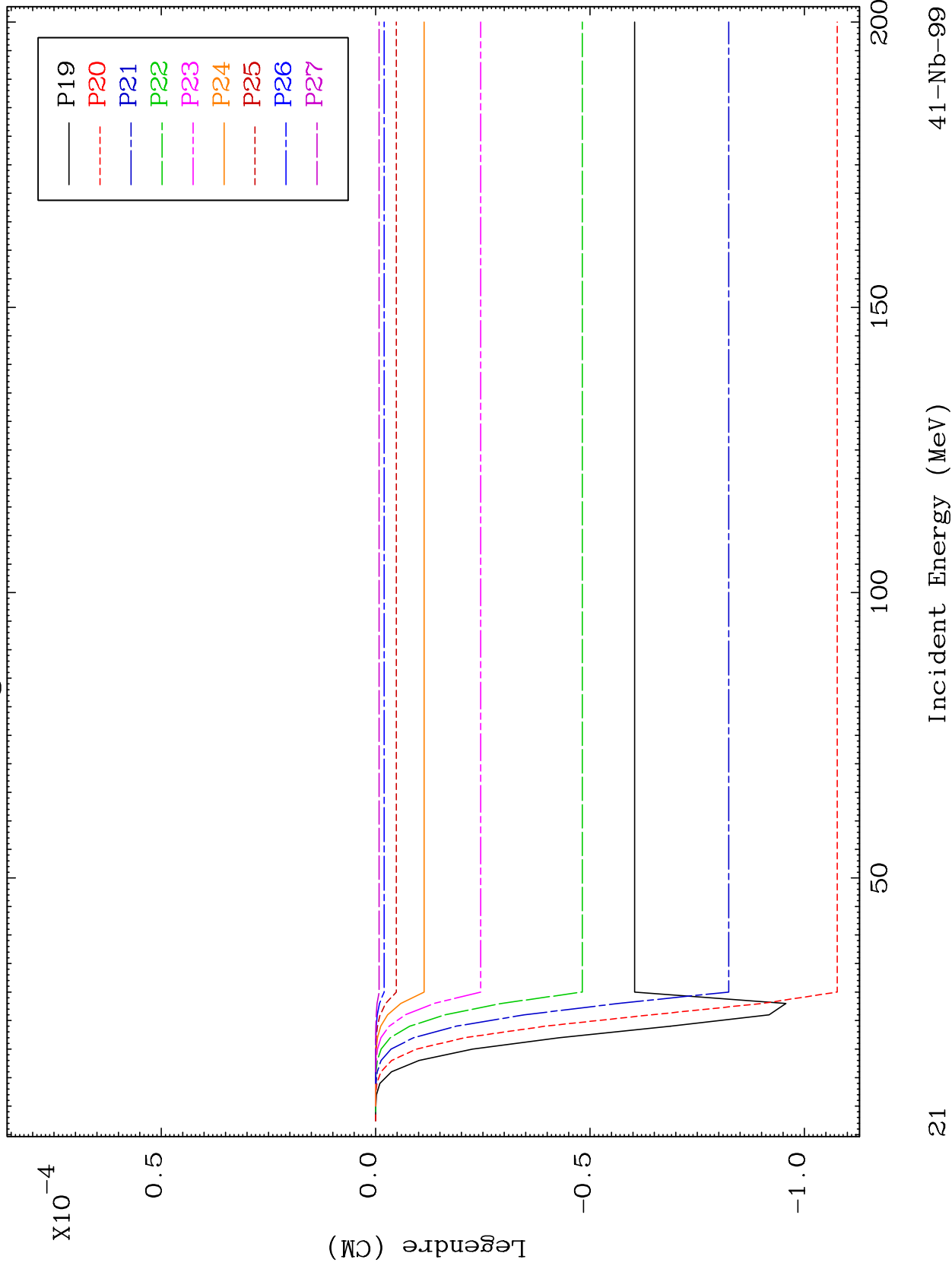
19



MAT 4143

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

41-Nb-99



21

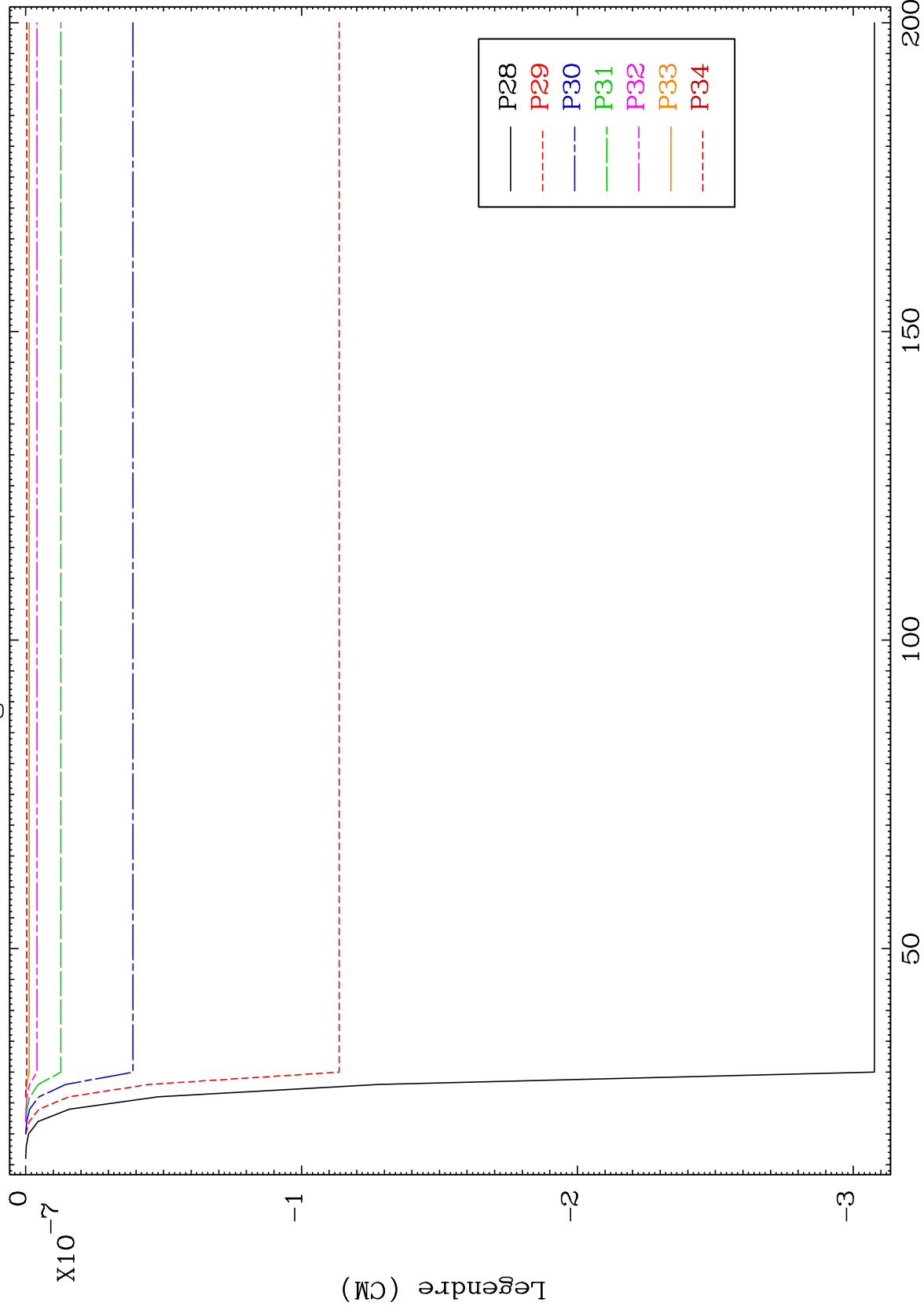
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

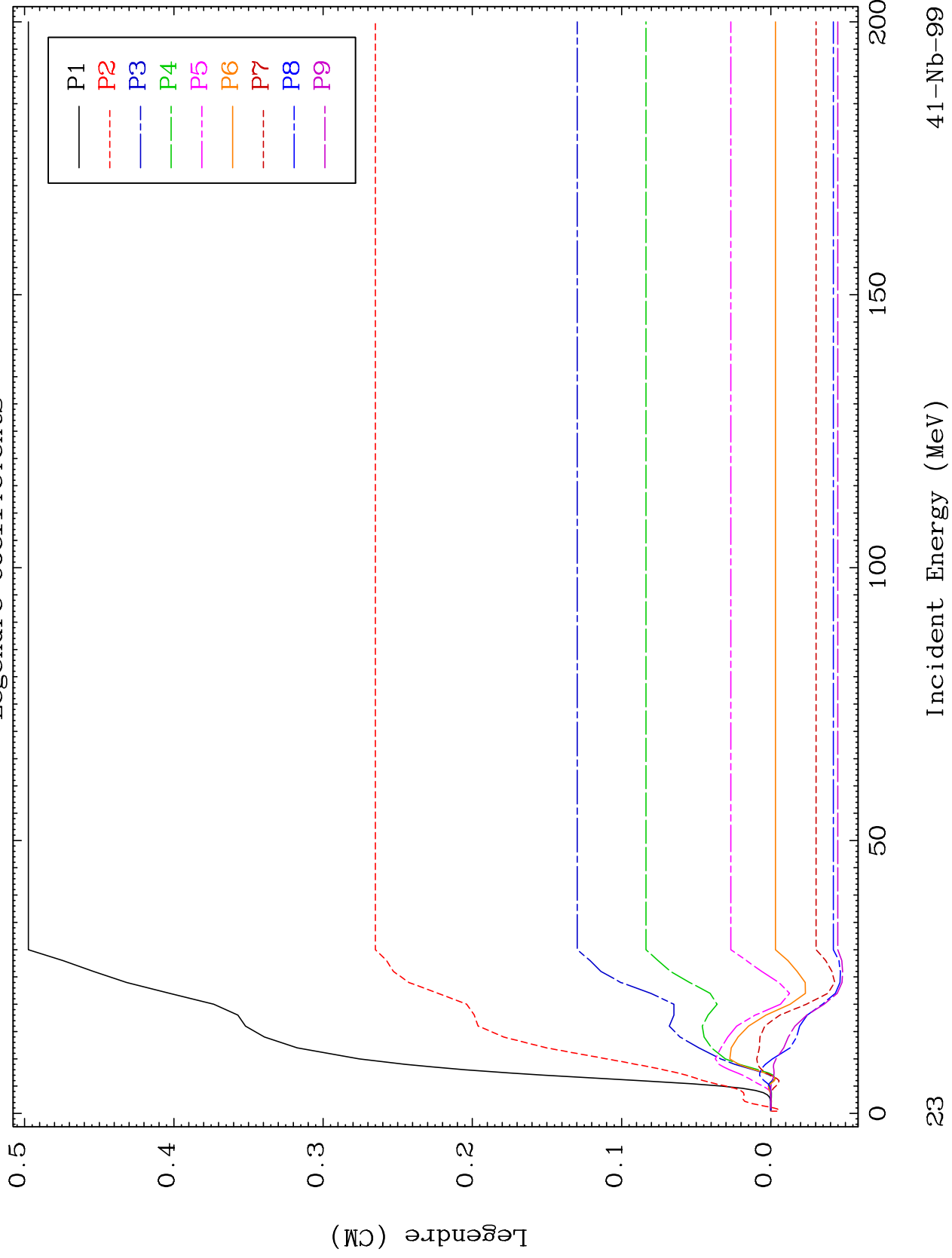
41-Nb-99



MAT 4143

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

41-Nb-99



41-Nb-99

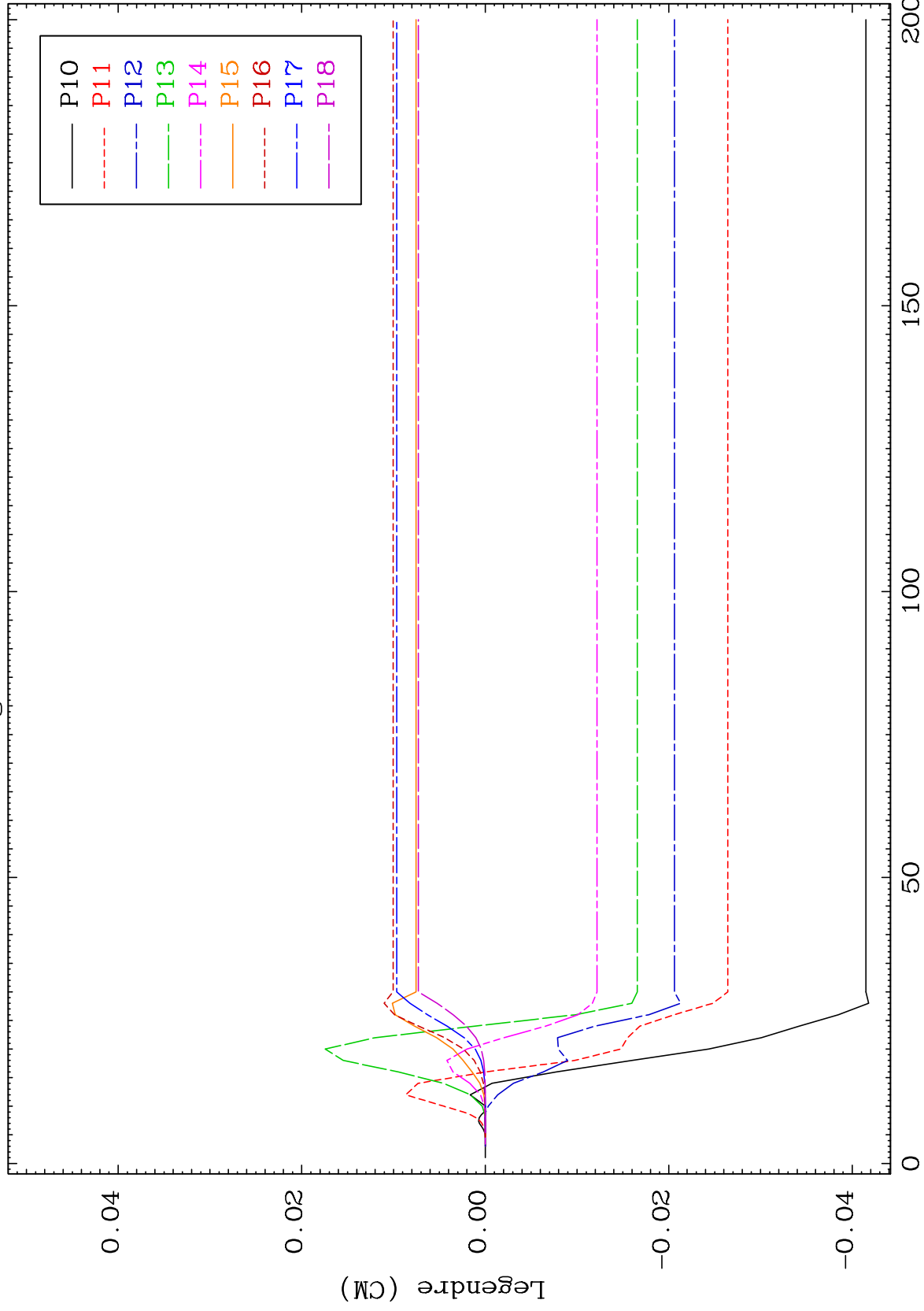
Incident Energy (MeV)

23

MAT 4143

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

41-Nb-99



24

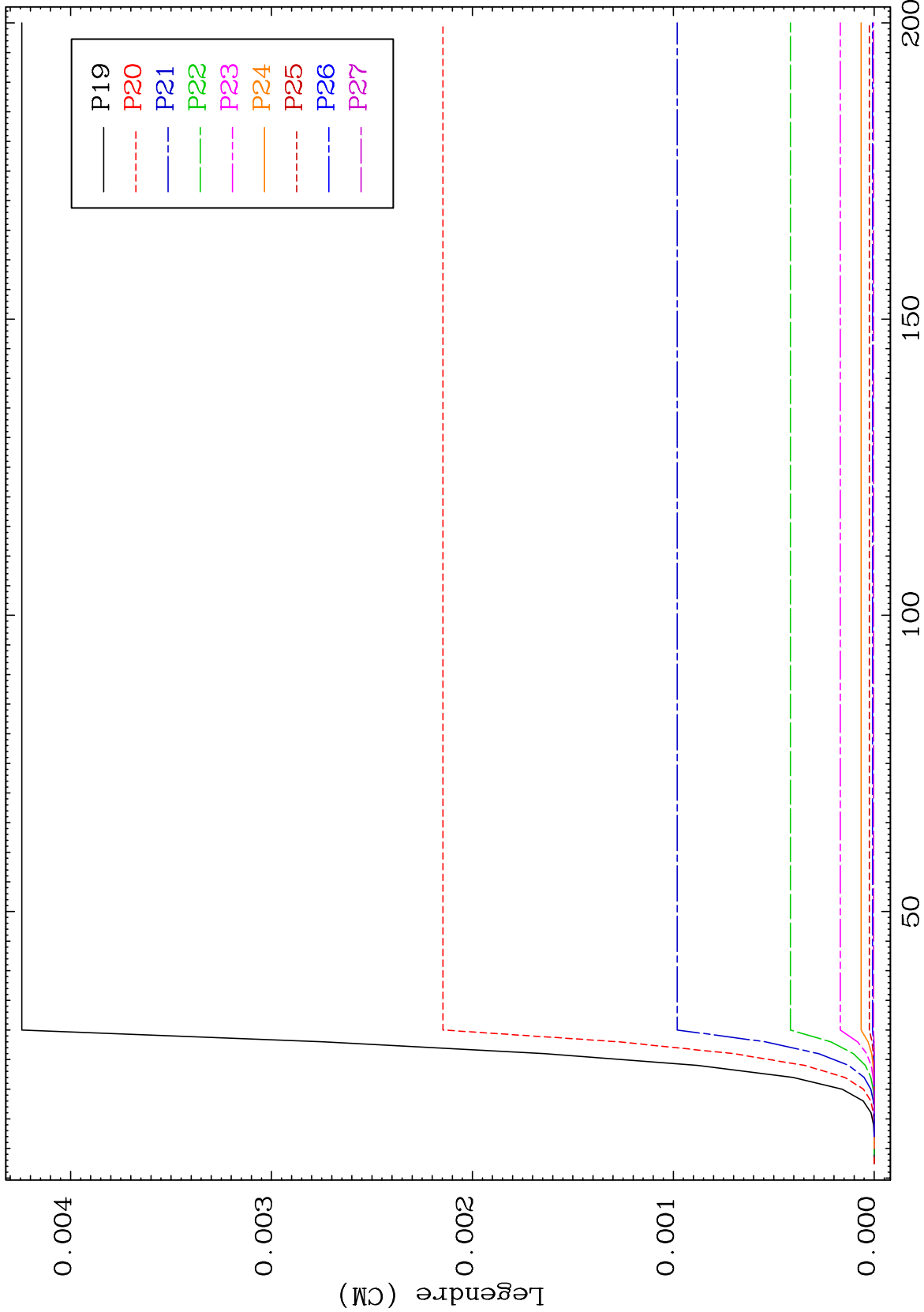
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



25

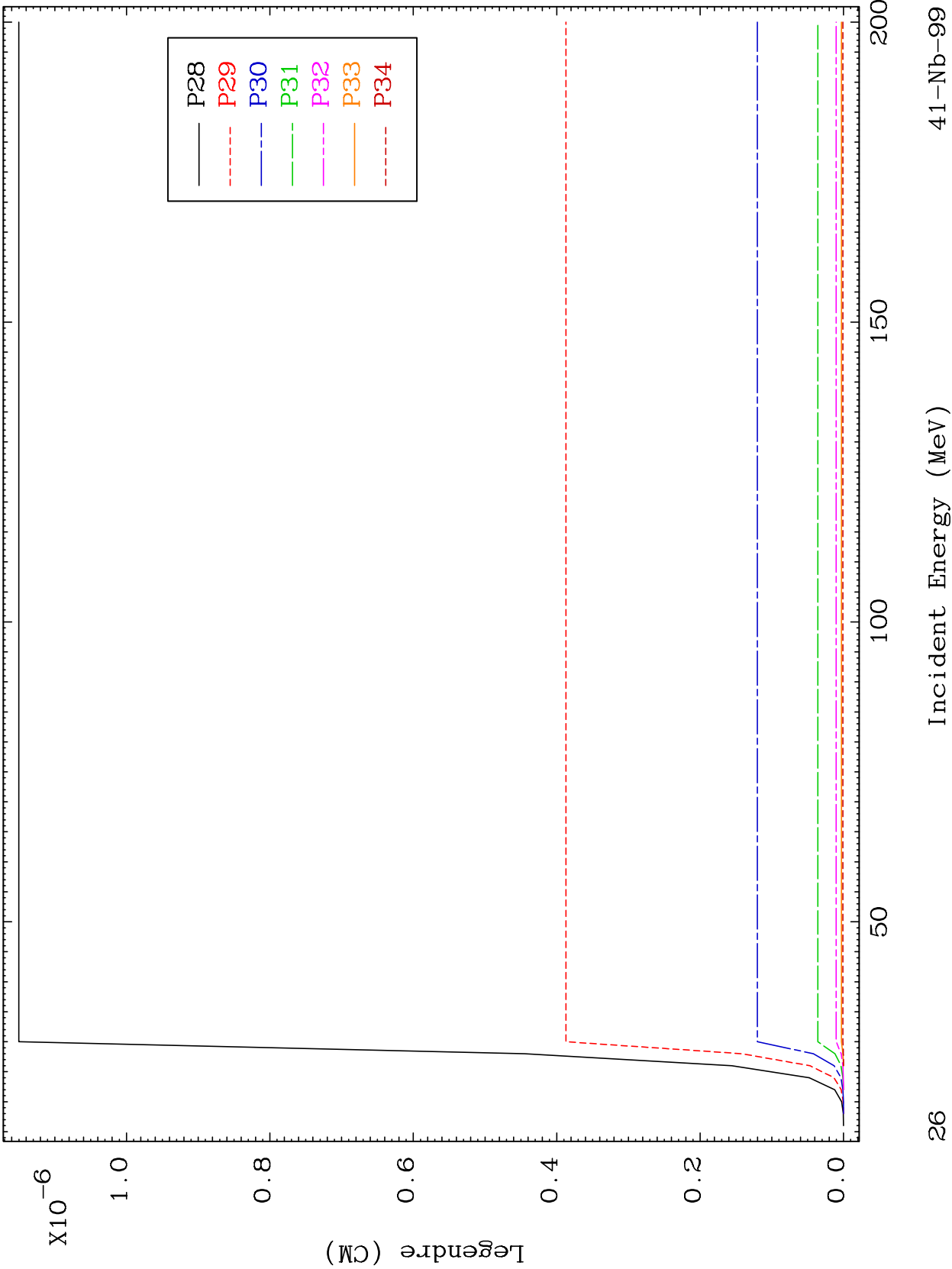
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99

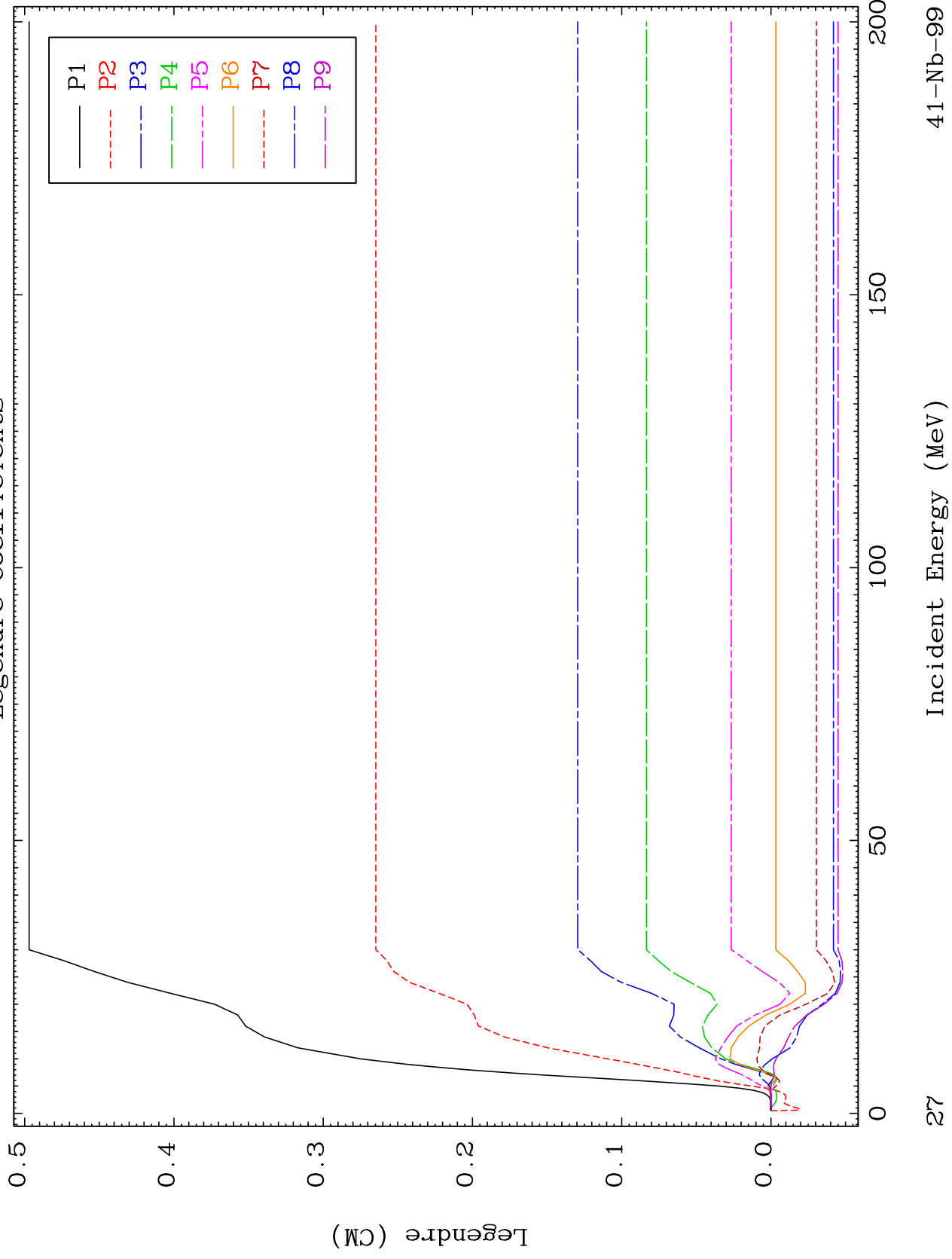


26

MAT 4143

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

41-Nb-99



41-Nb-99

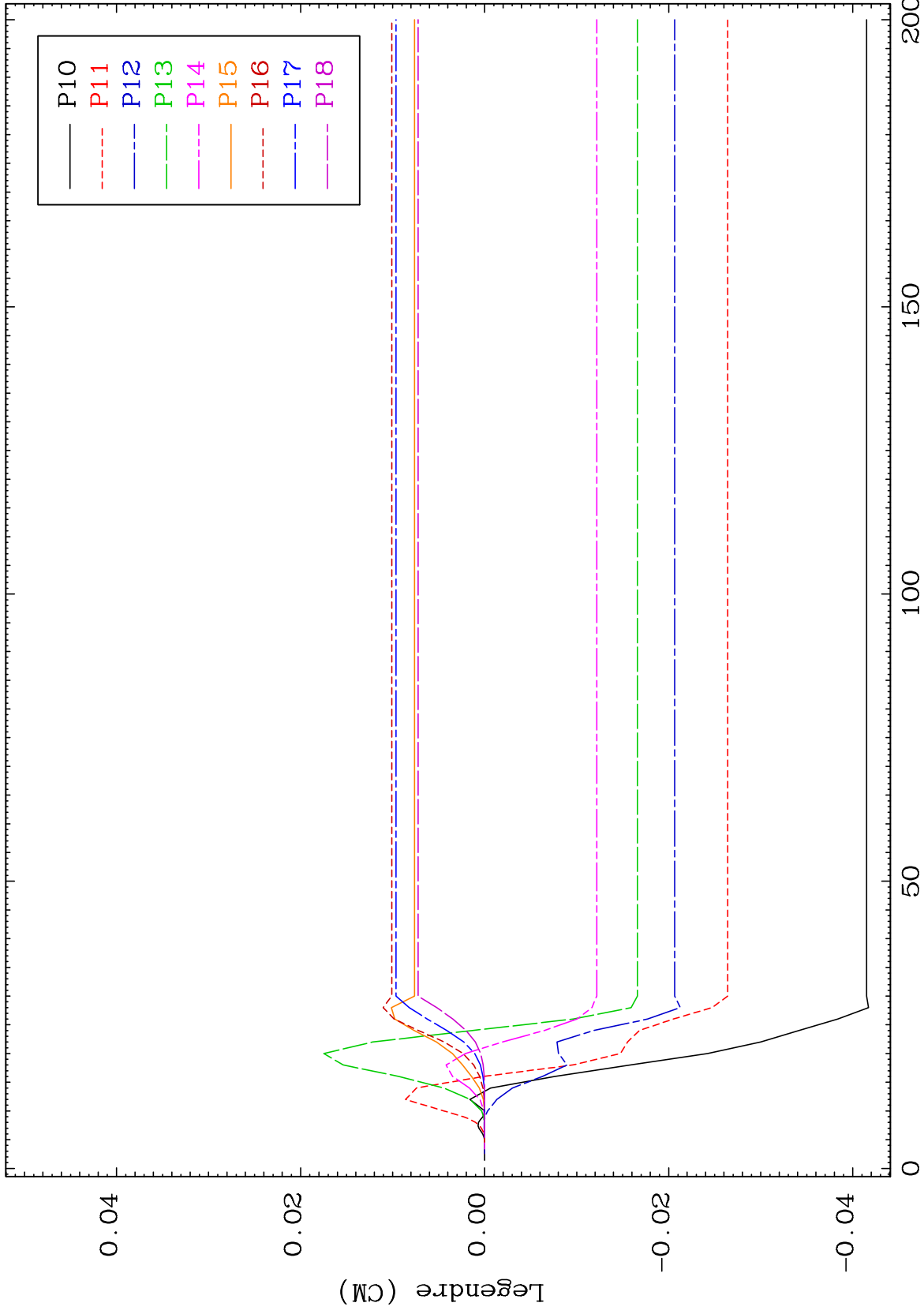
Incident Energy (MeV)

27

MAT 4143

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

41-Nb-99



28

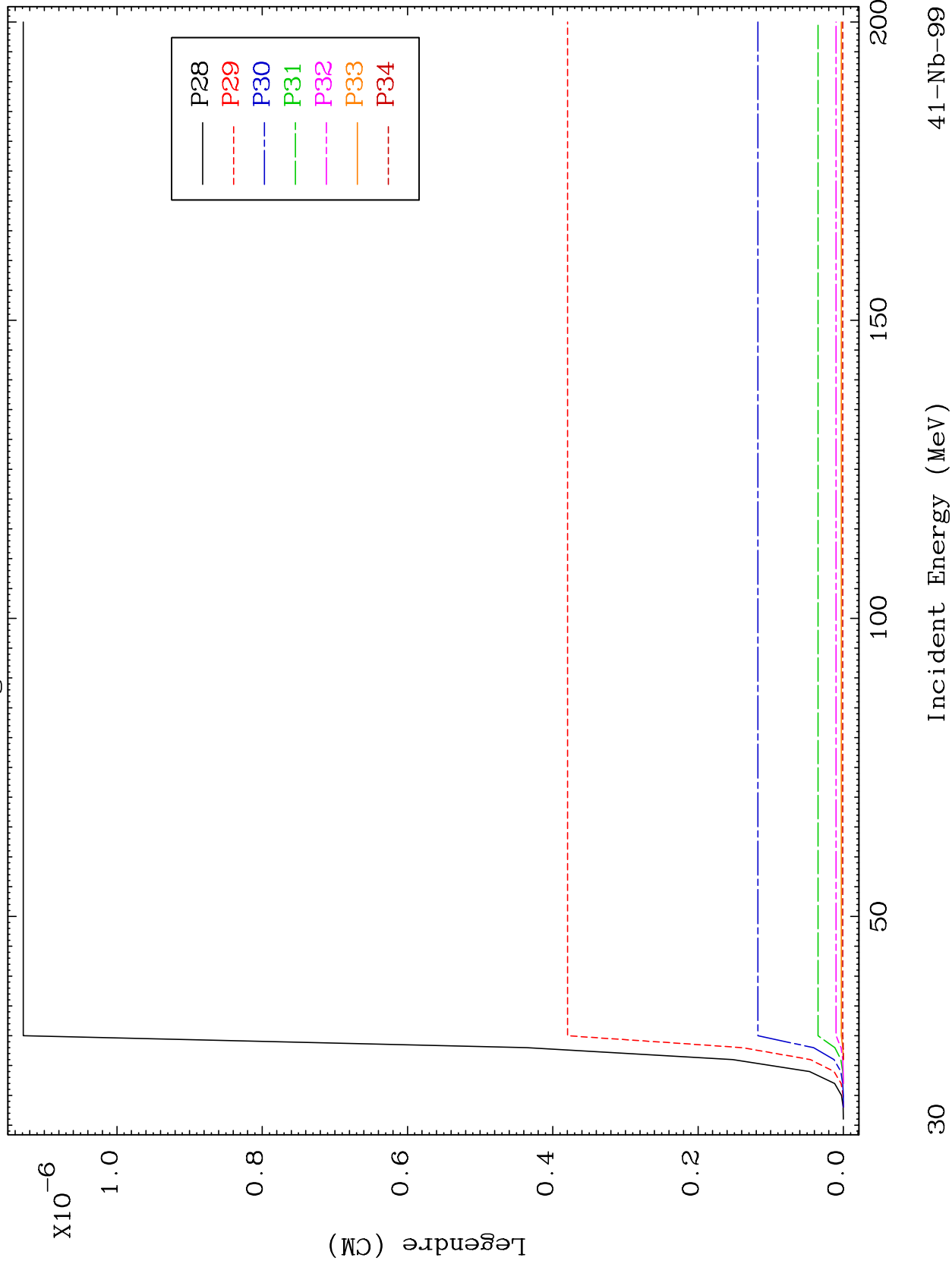
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



41-Nb-99

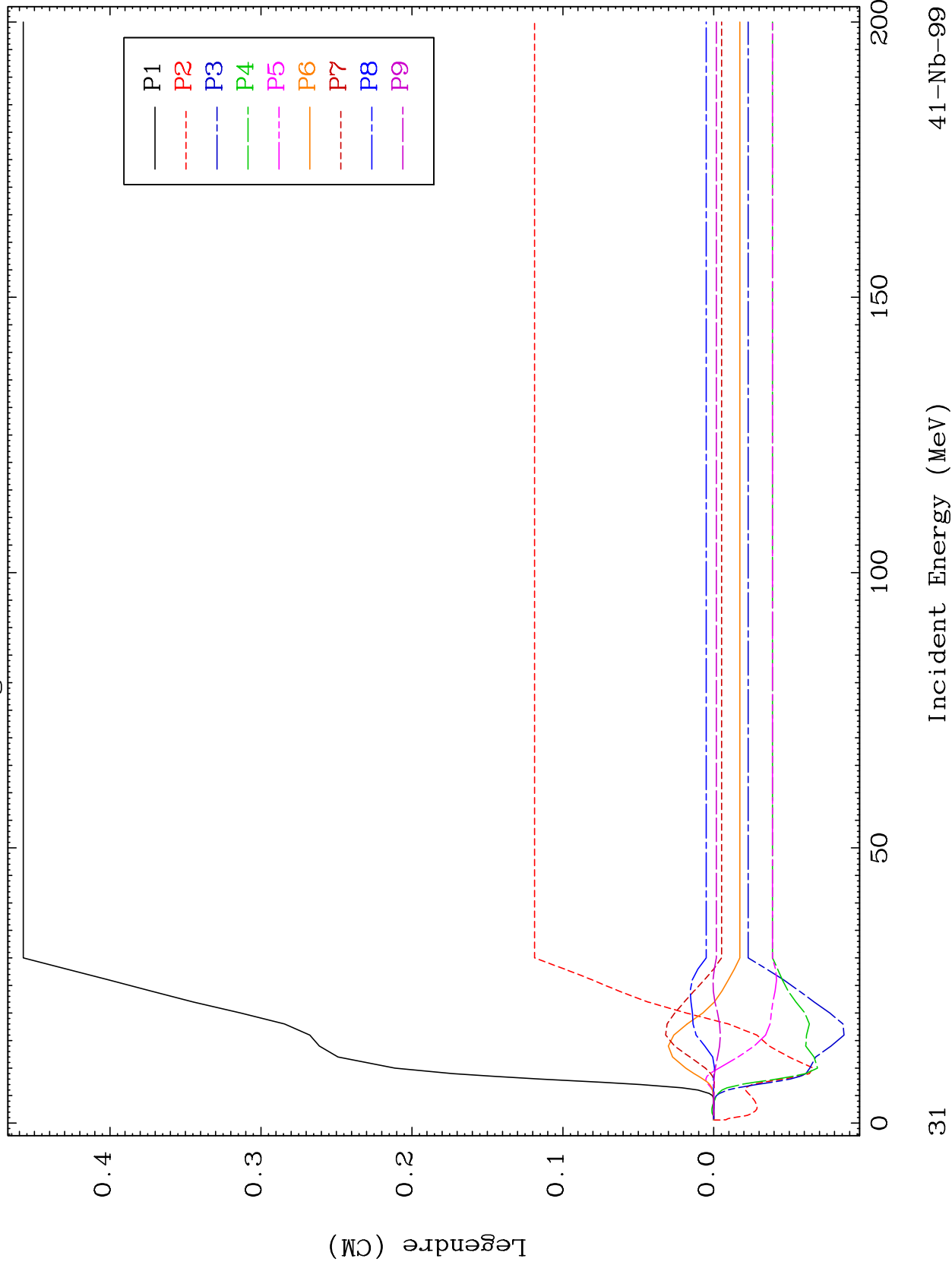
Incident Energy (MeV)

30

MAT 4143

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

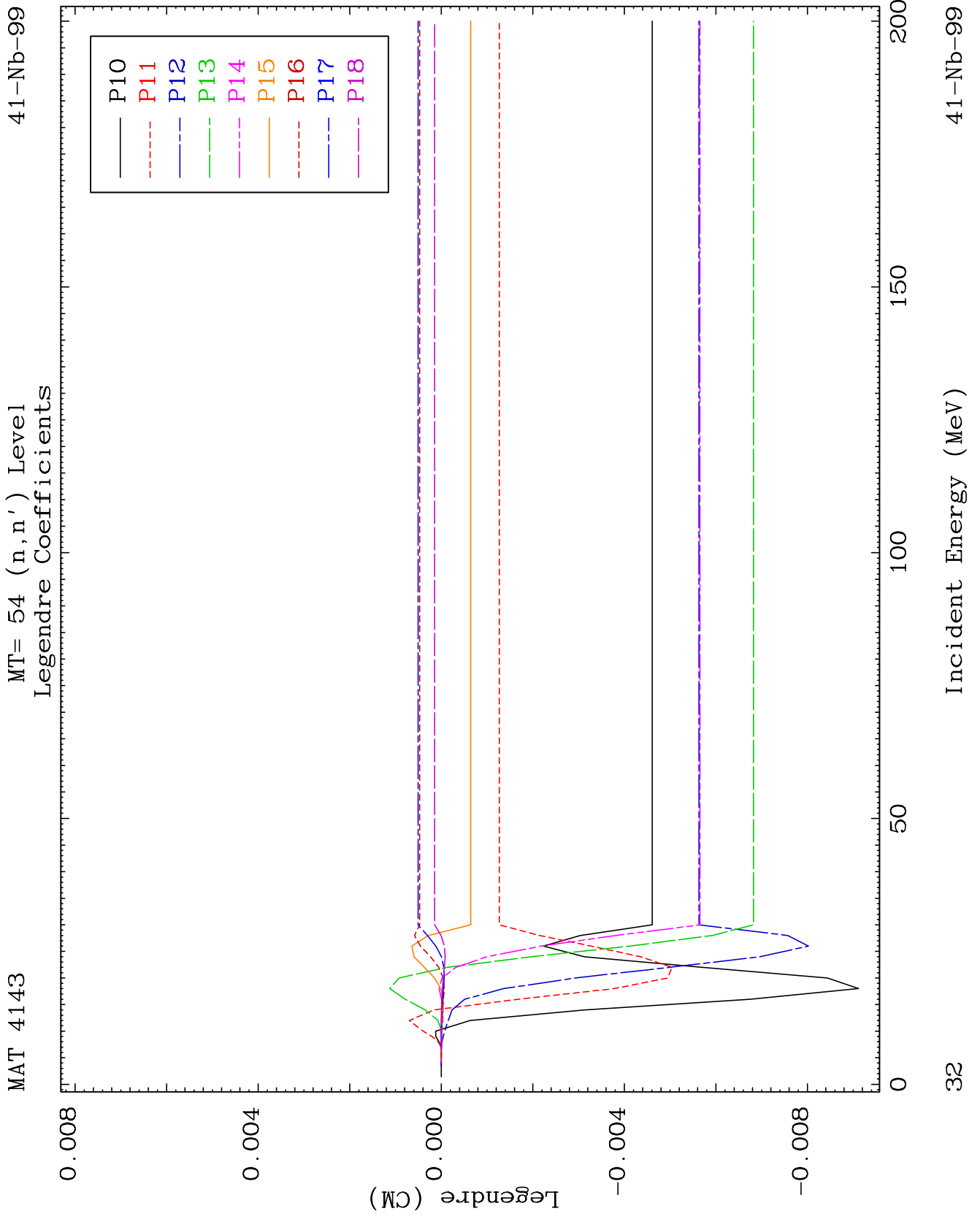
41-Nb-99



41-Nb-99

Incident Energy (MeV)

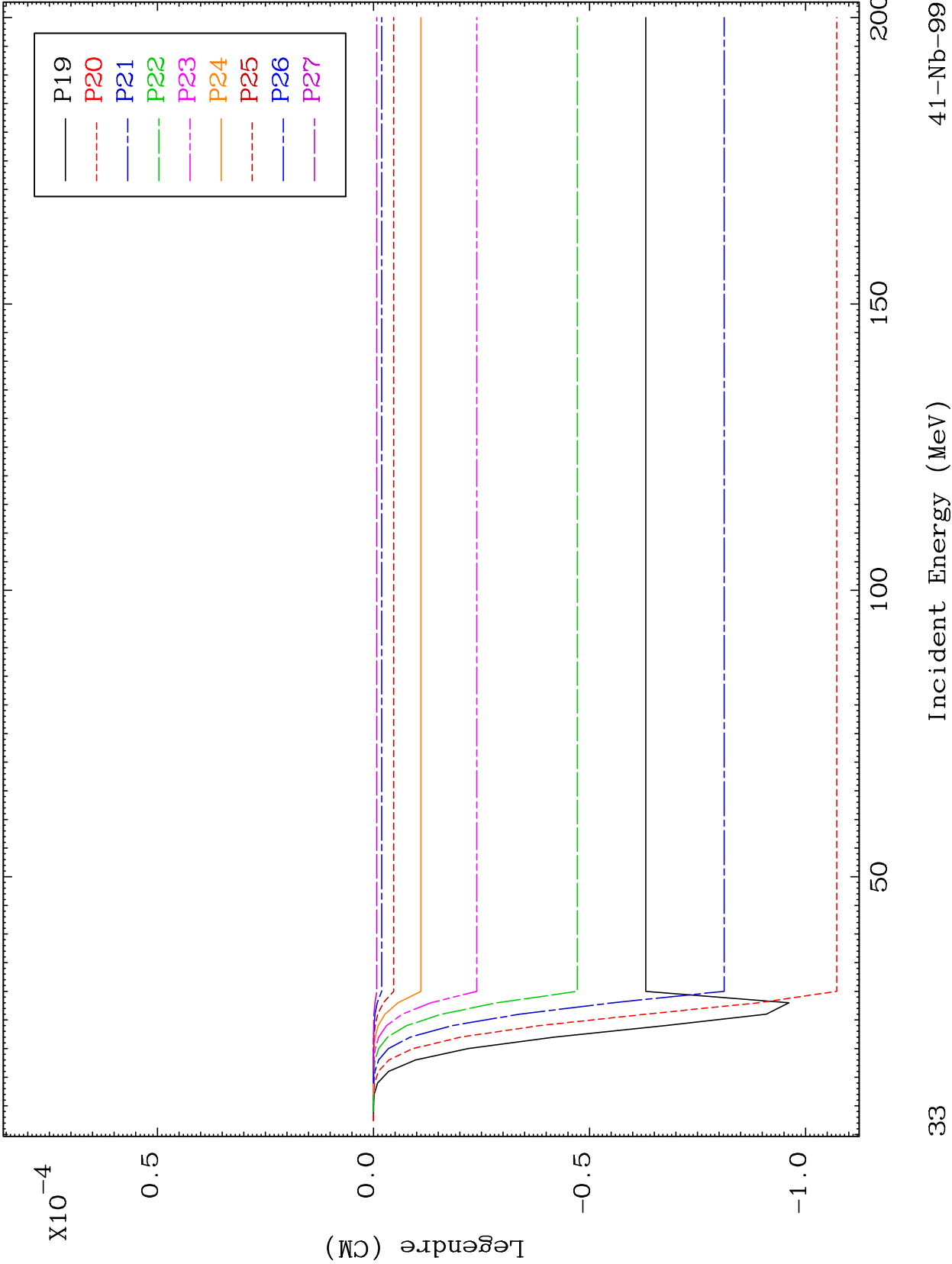
31



MAT 4143

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

41-Nb-99



33

Incident Energy (MeV)

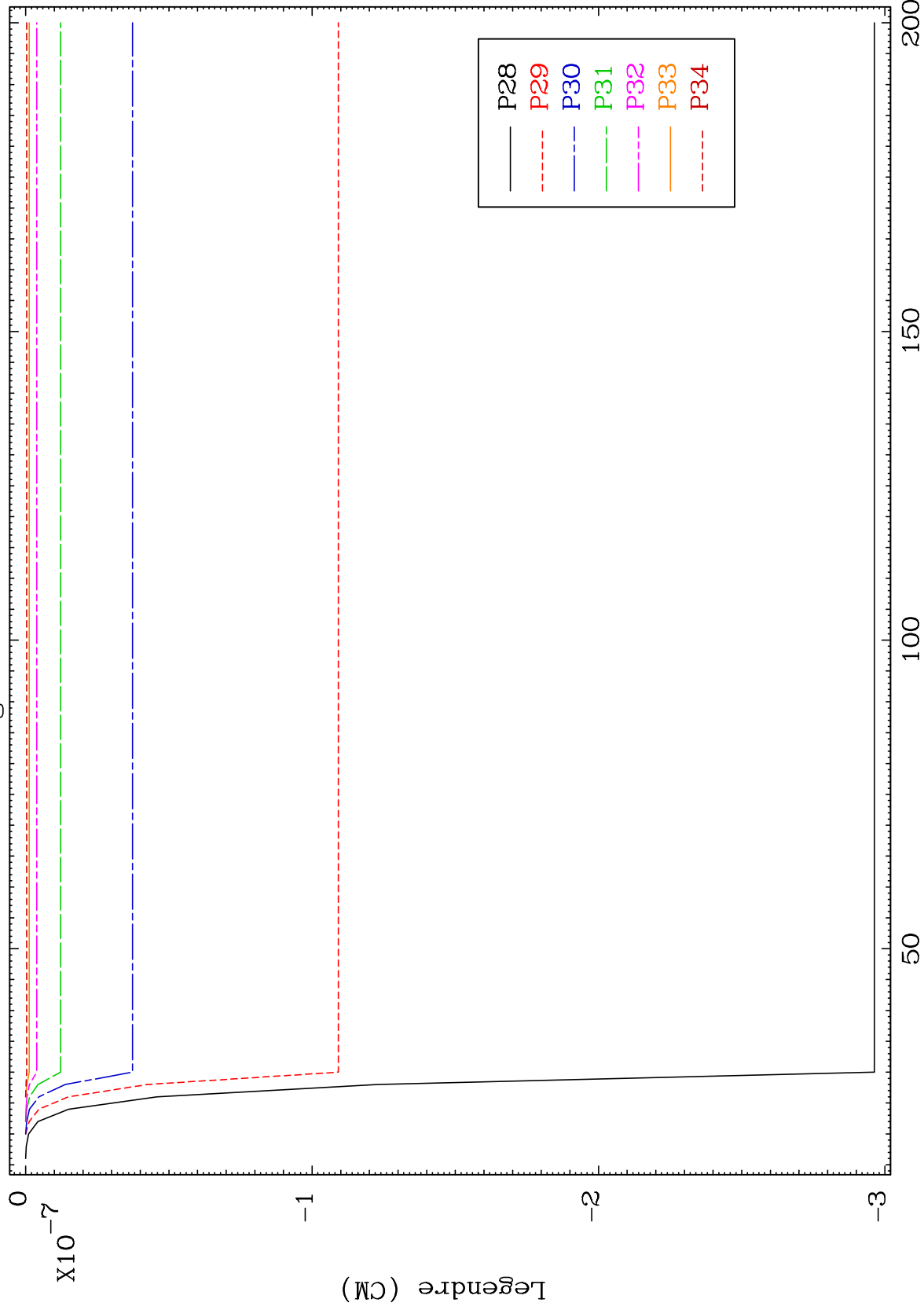
41-Nb-99

MAT 4143

MT= 54 (n,n') Level

41-Nb-99

Legendre Coefficients



34

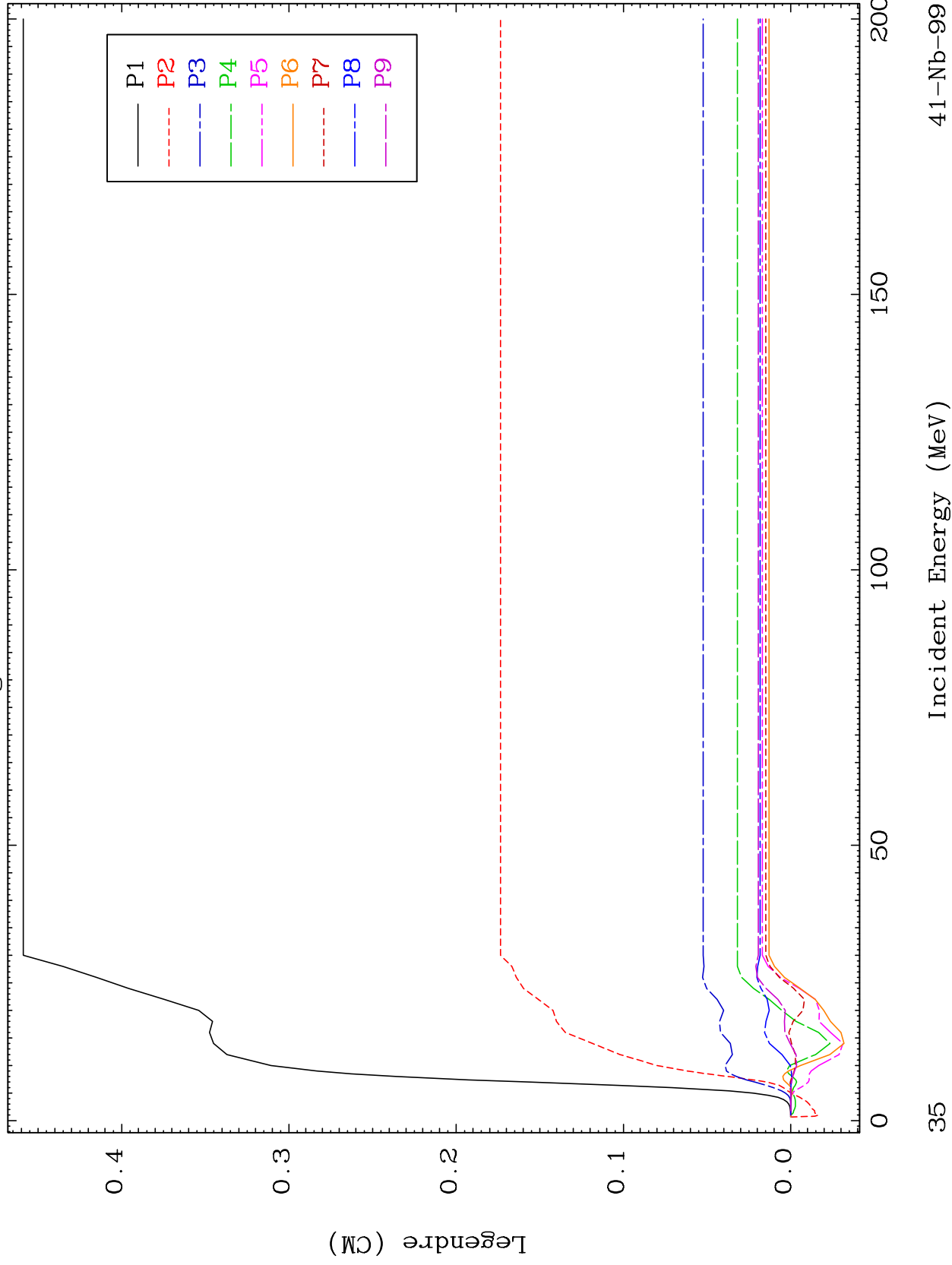
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



41-Nb-99

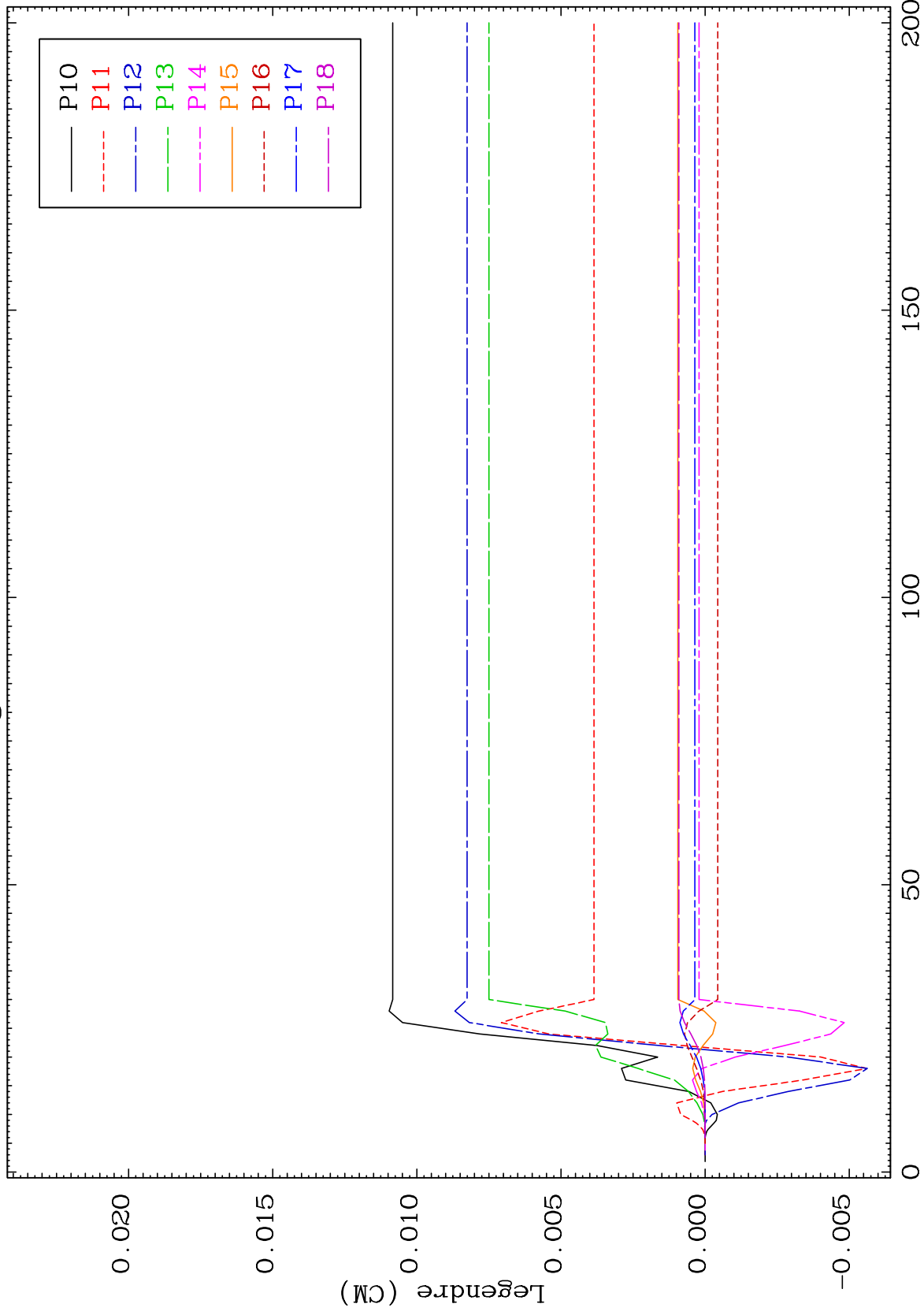
Incident Energy (MeV)

35

MAT 4143

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

41-Nb-99



36

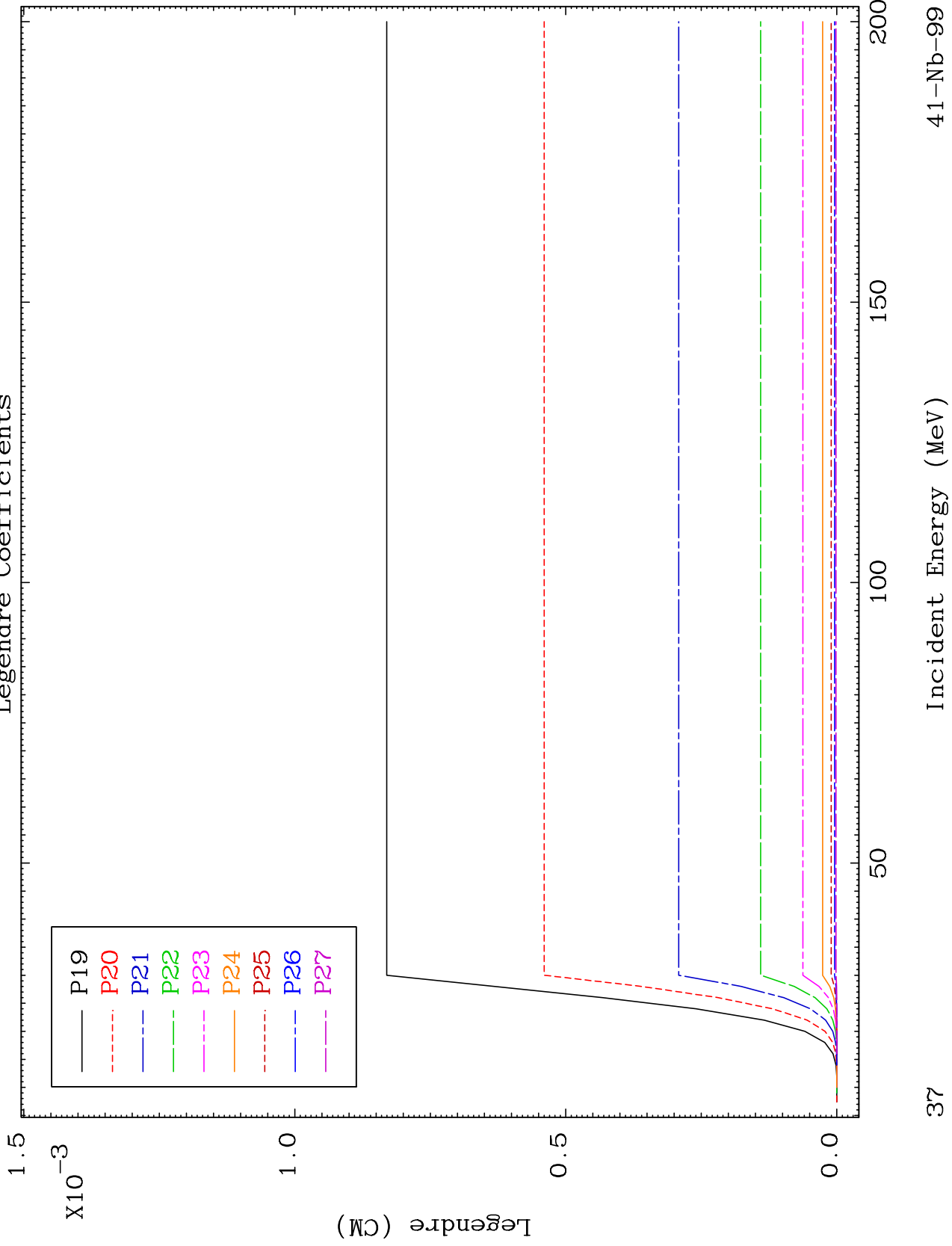
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

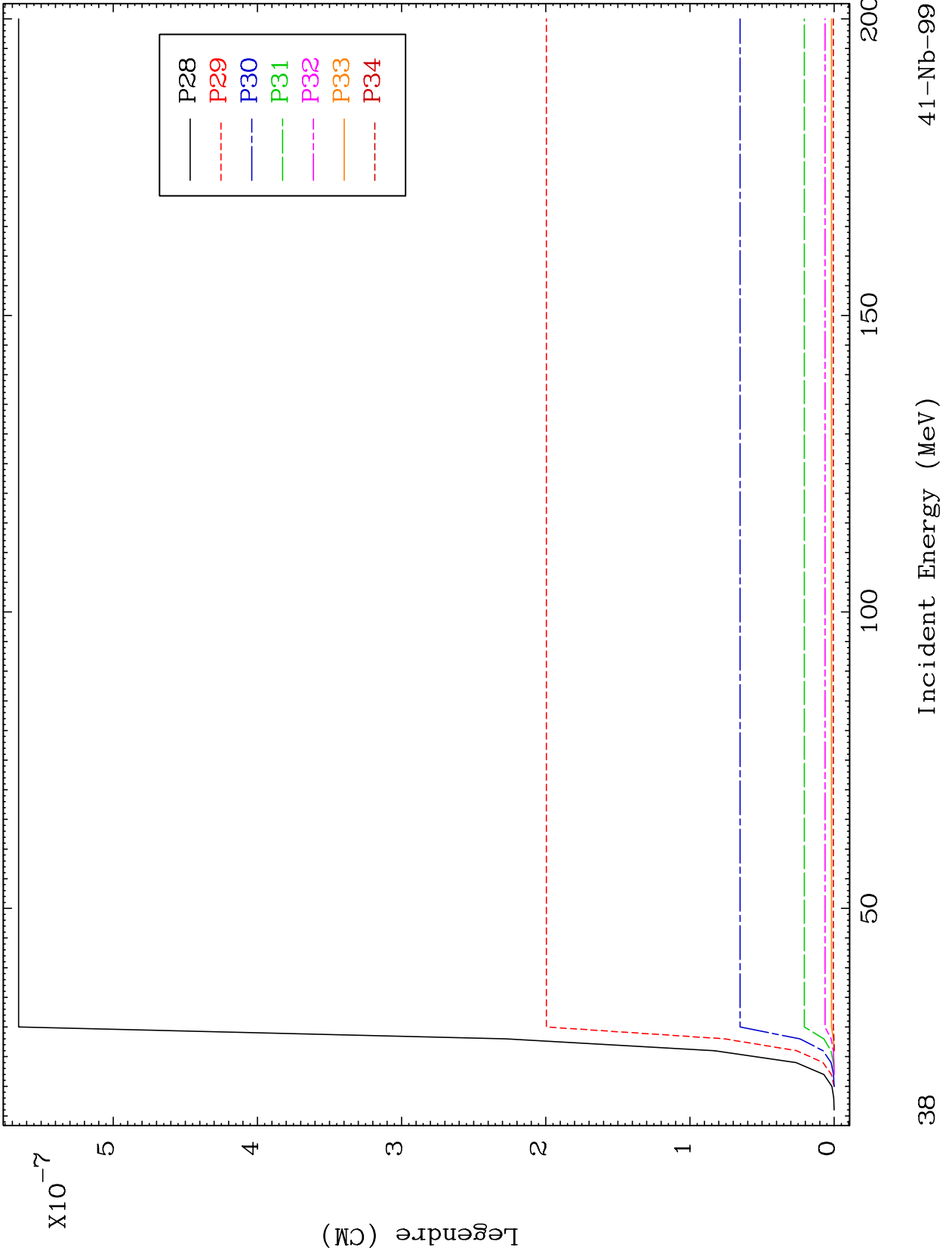
41-Nb-99



MAT 4143

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

41-Nb-99



38

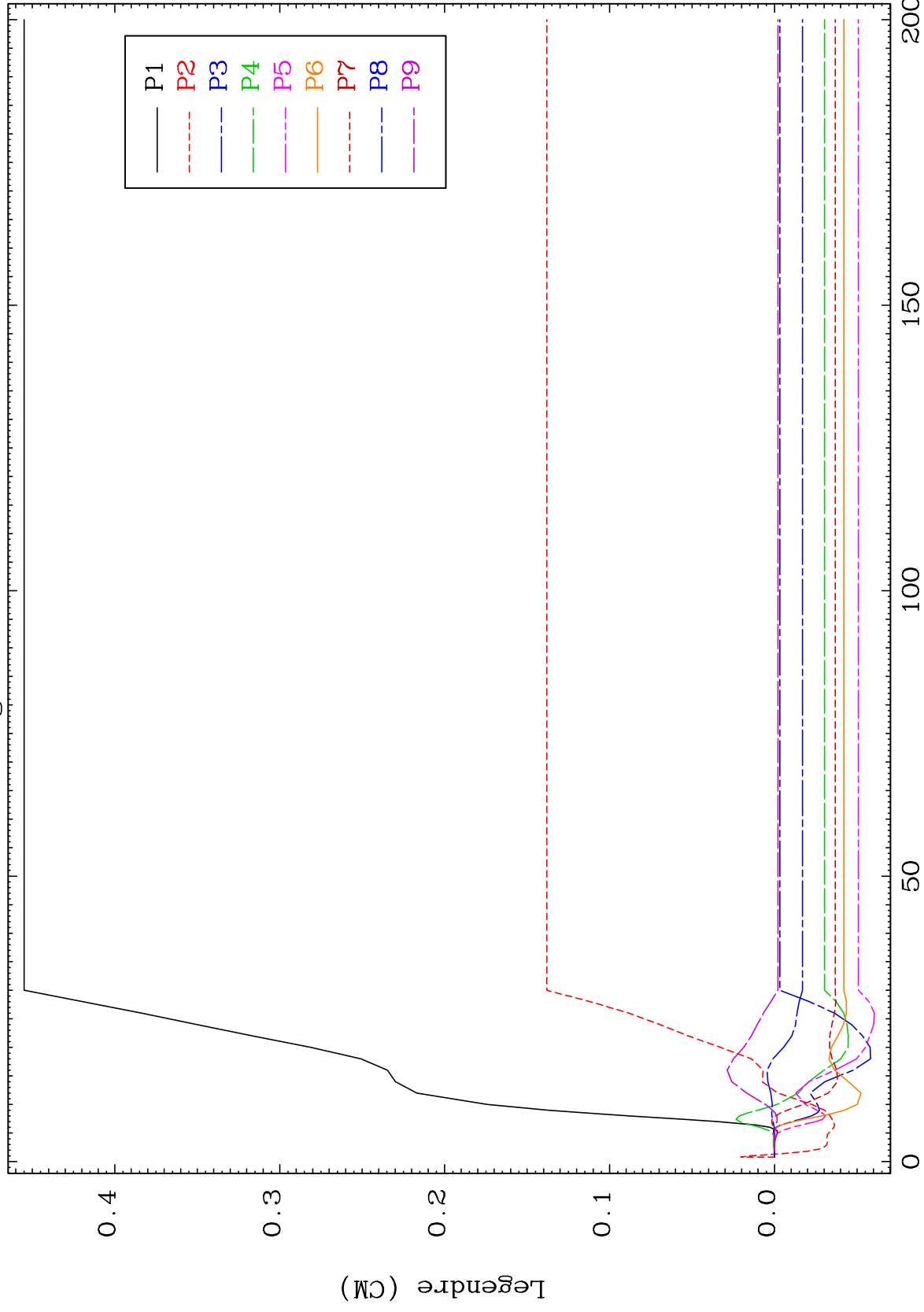
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



39

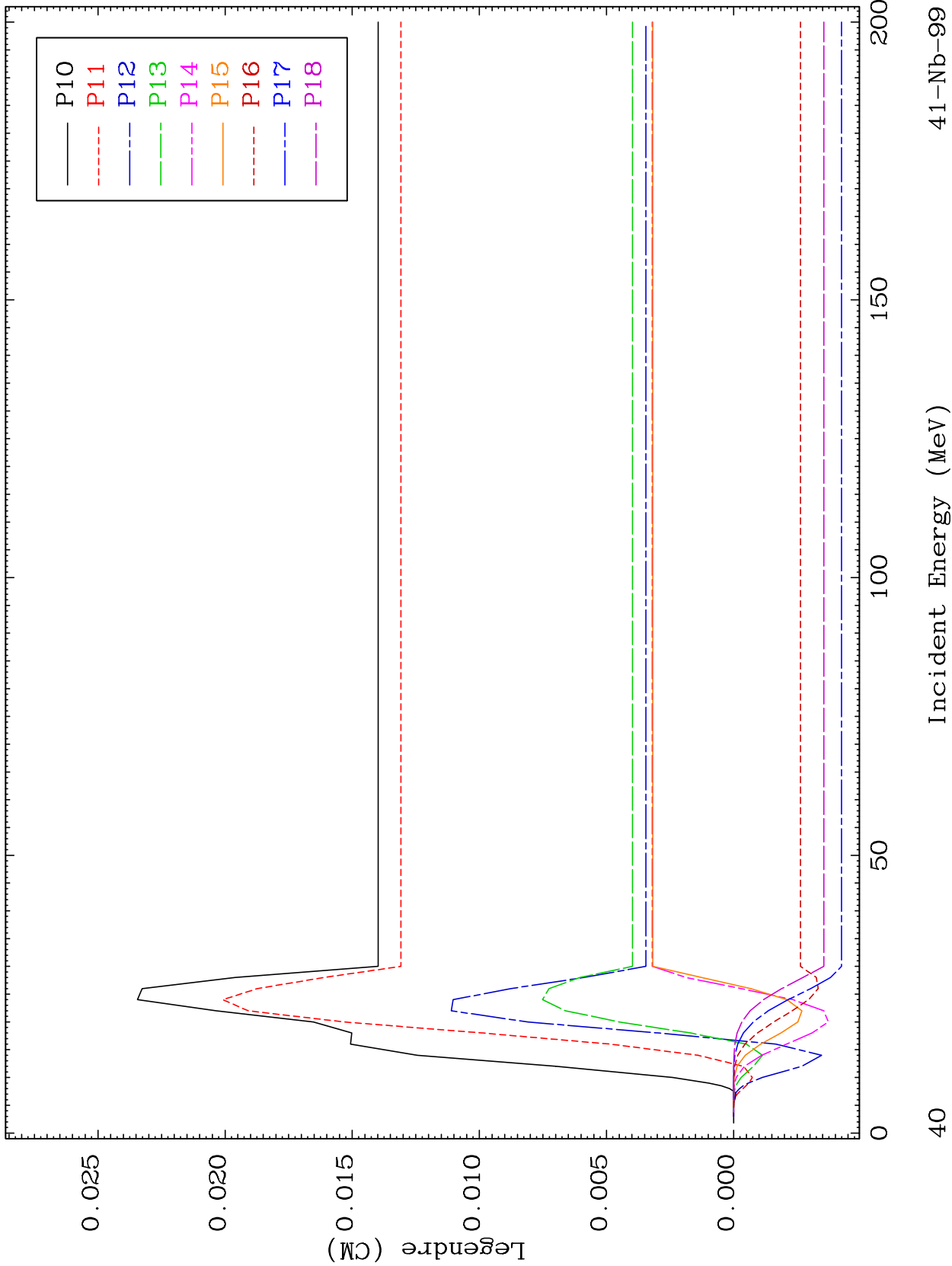
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



41-Nb-99

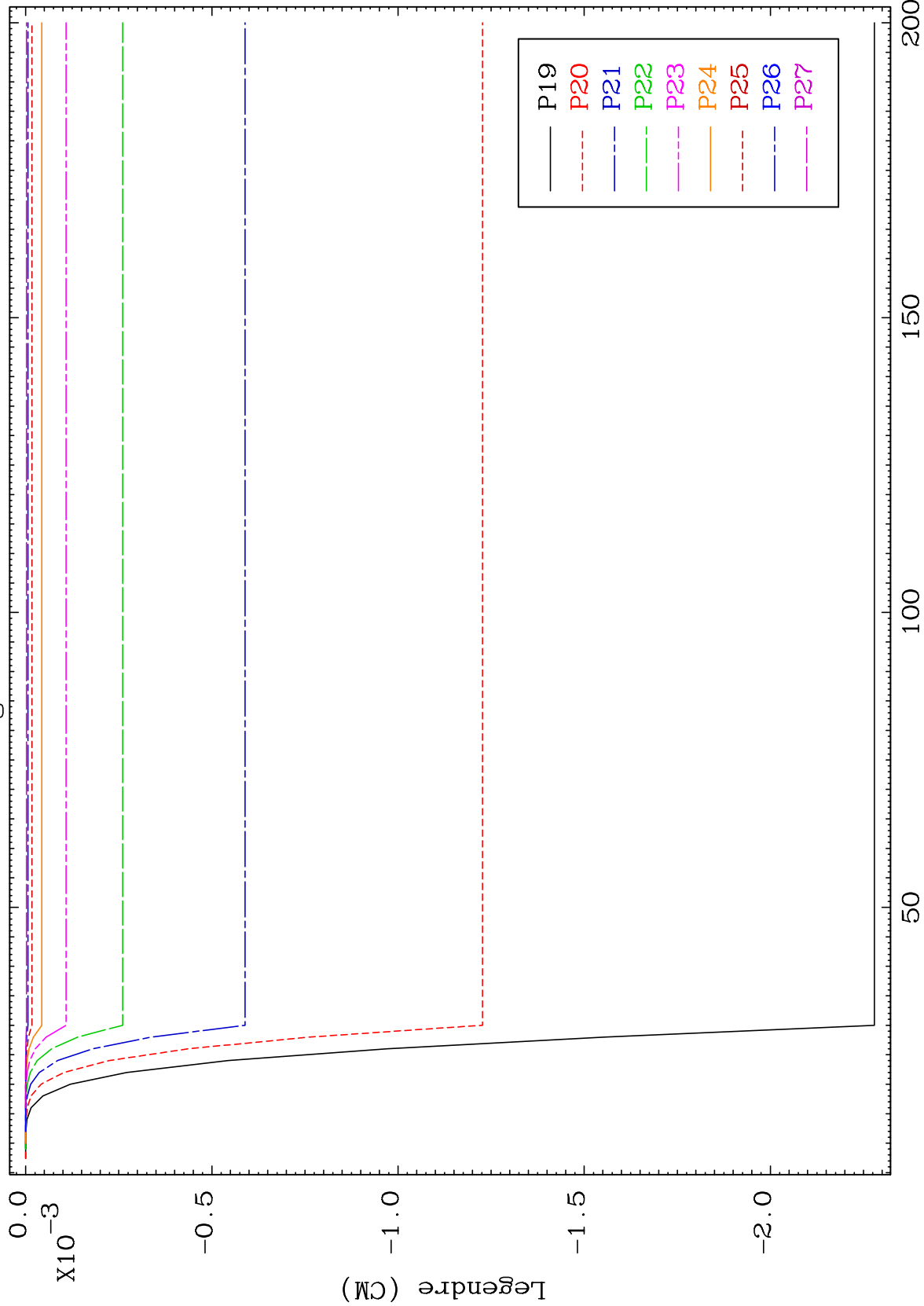
Incident Energy (MeV)

40

MAT 4143

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

41-Nb-99



41-Nb-99

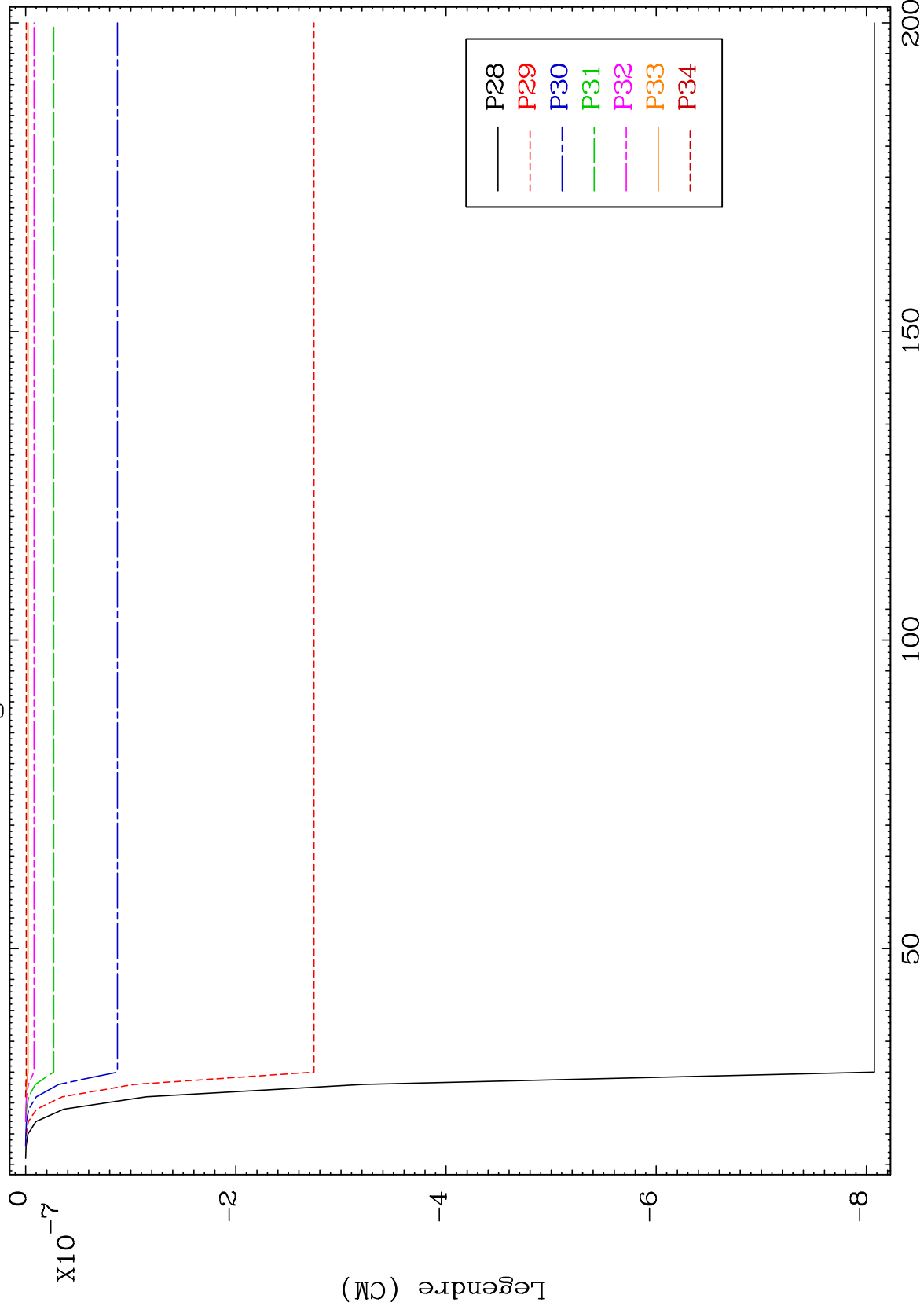
Incident Energy (MeV)

41

MAT 4143

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

41-Nb-99



42

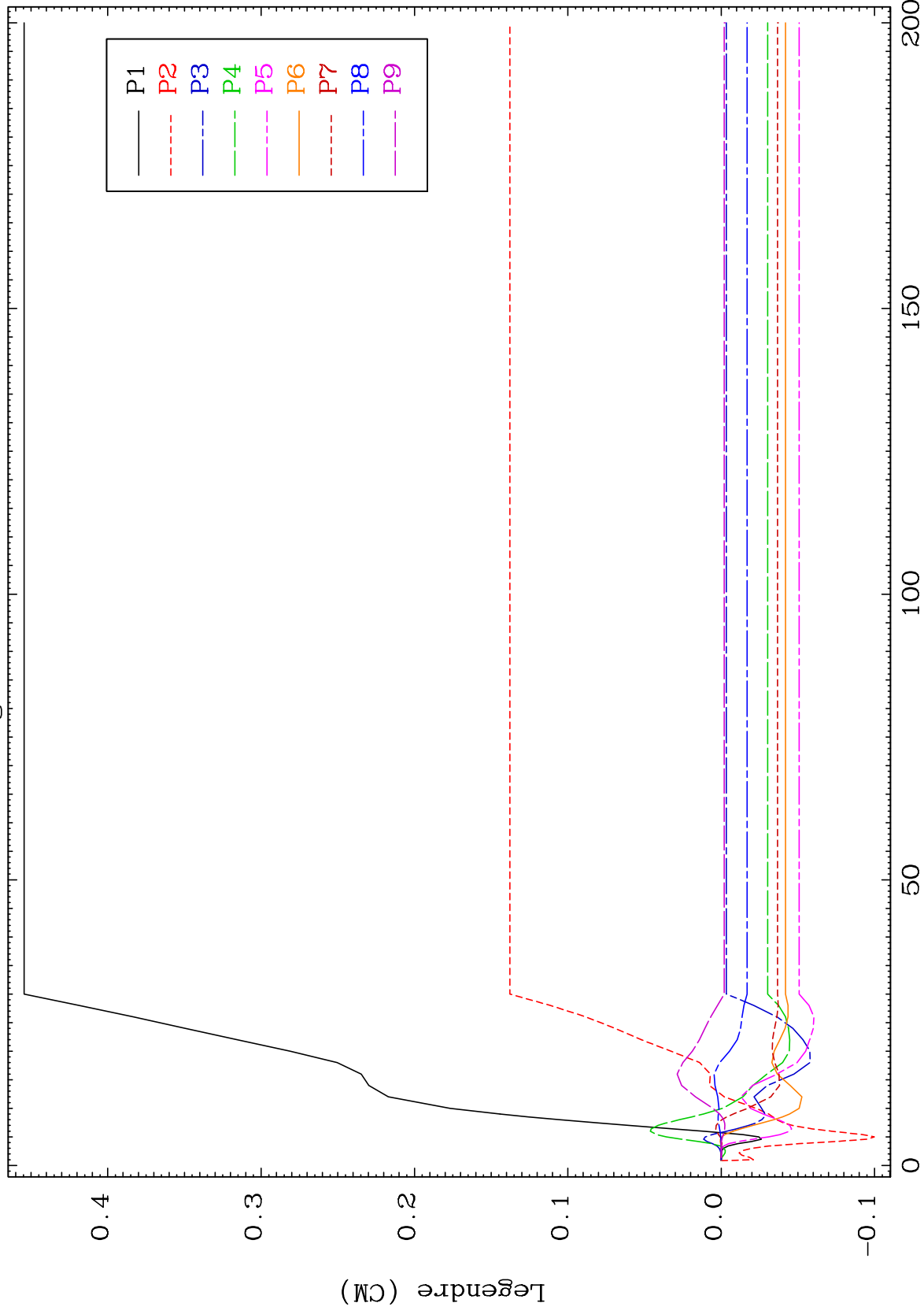
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



43

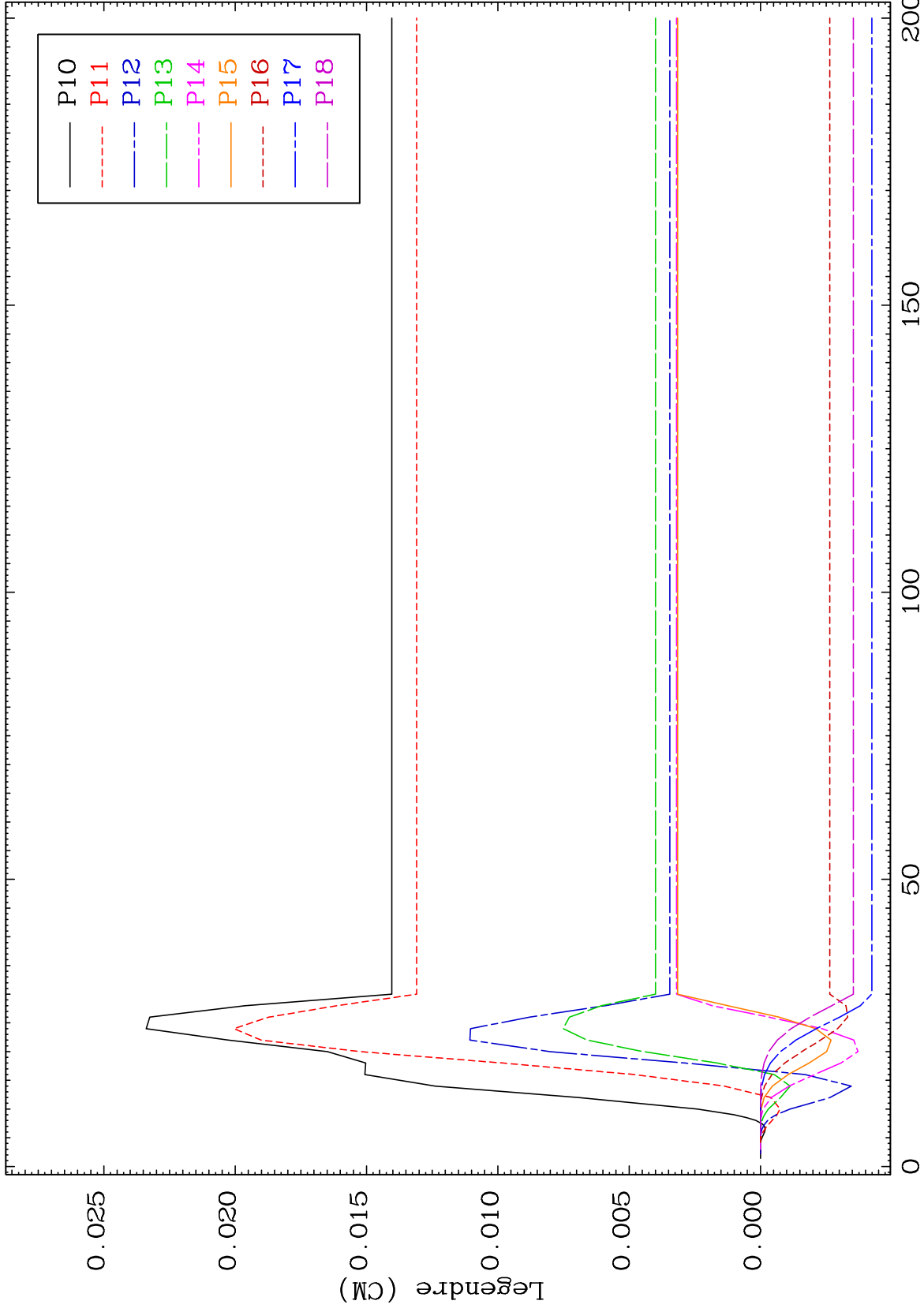
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



44

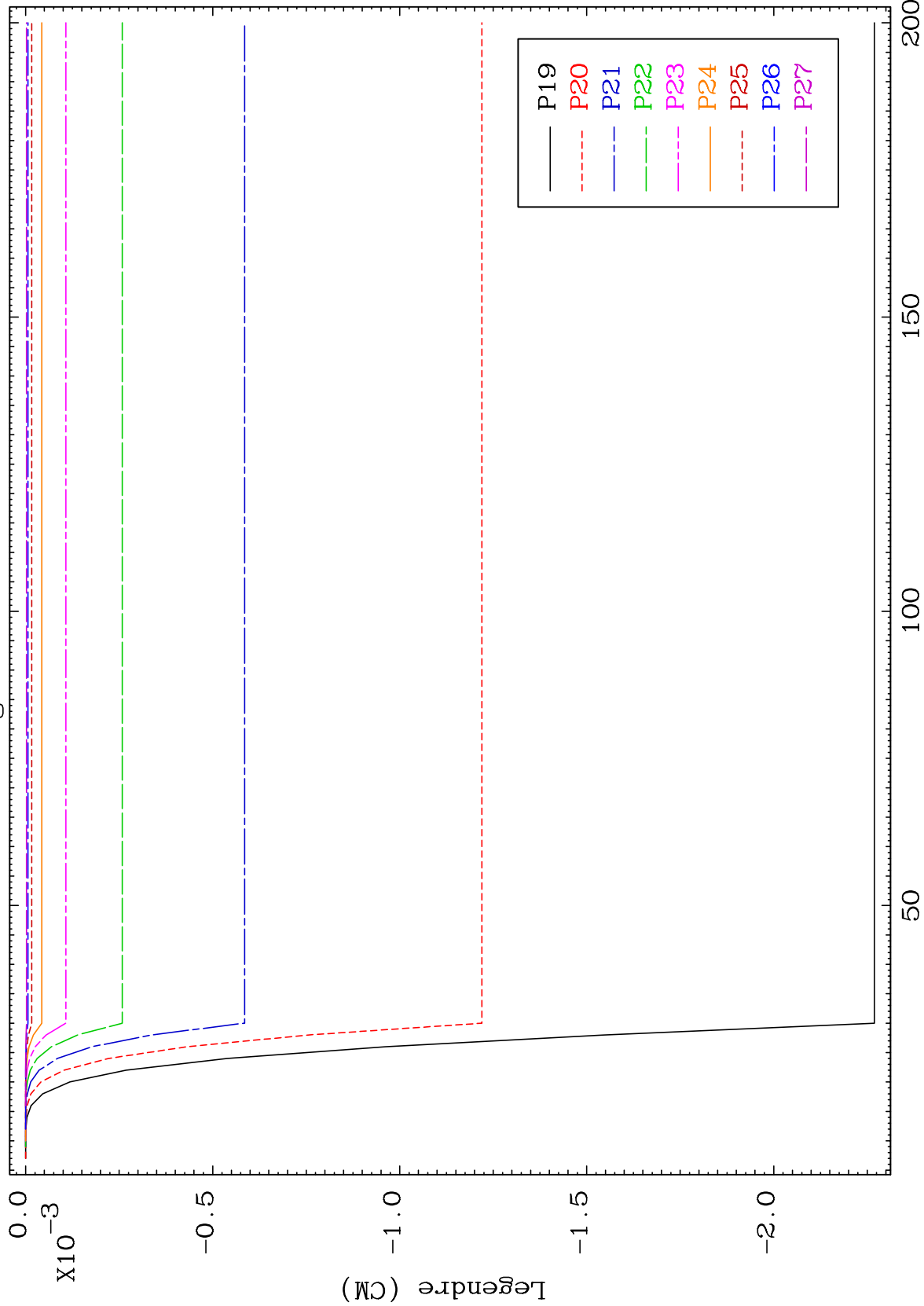
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



41-Nb-99

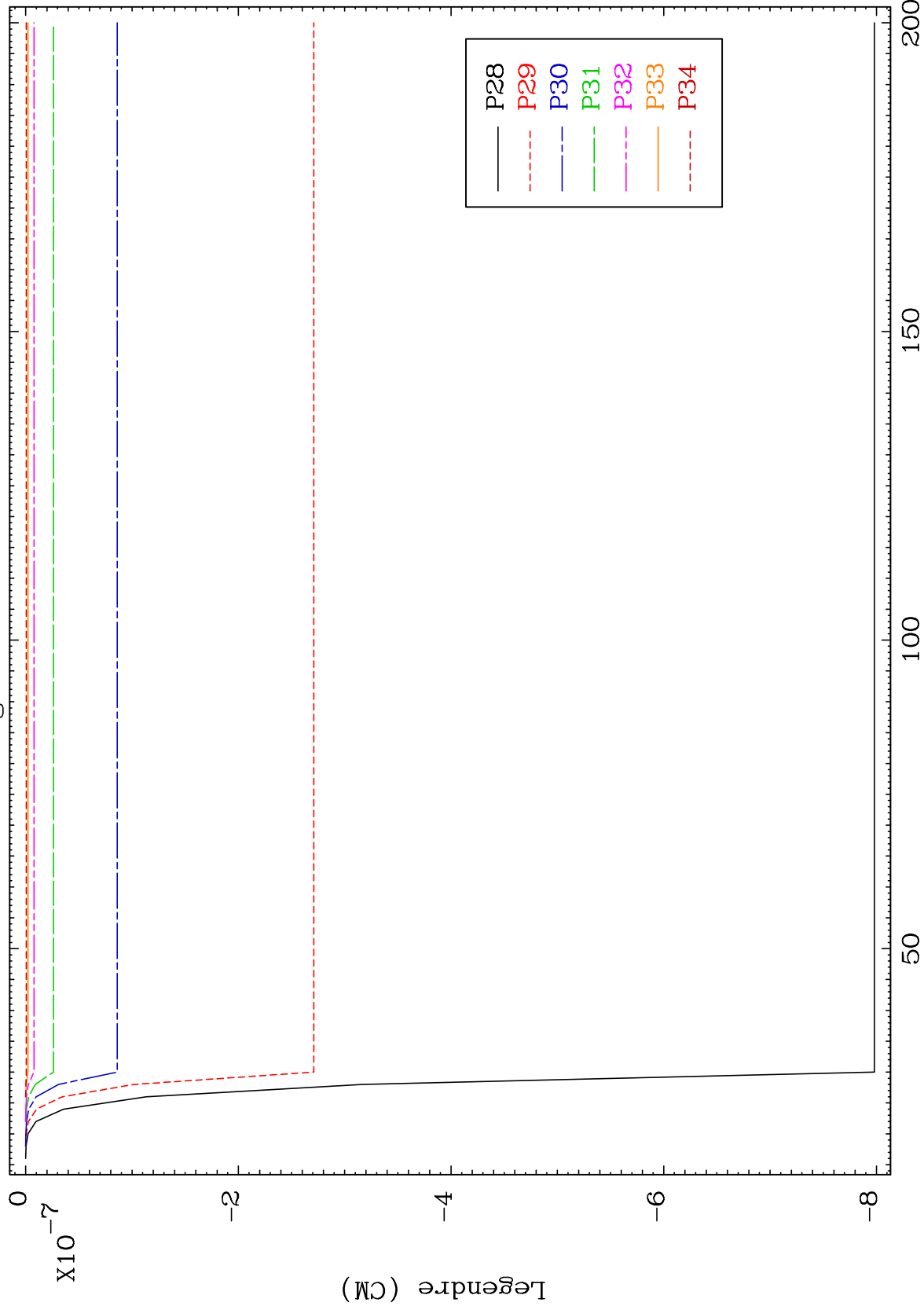
Incident Energy (MeV)

45

MAT 4143

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

41-Nb-99



46

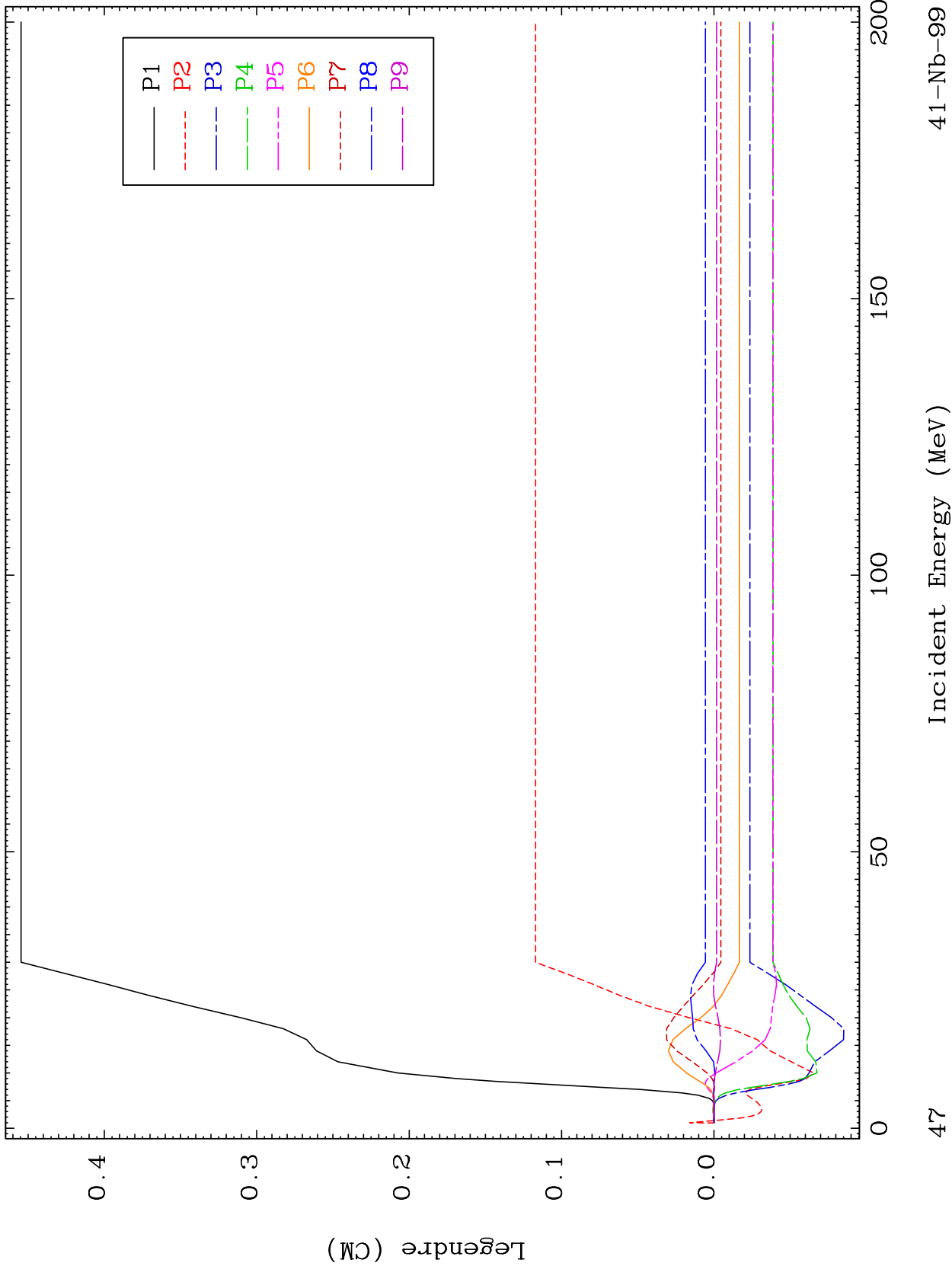
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

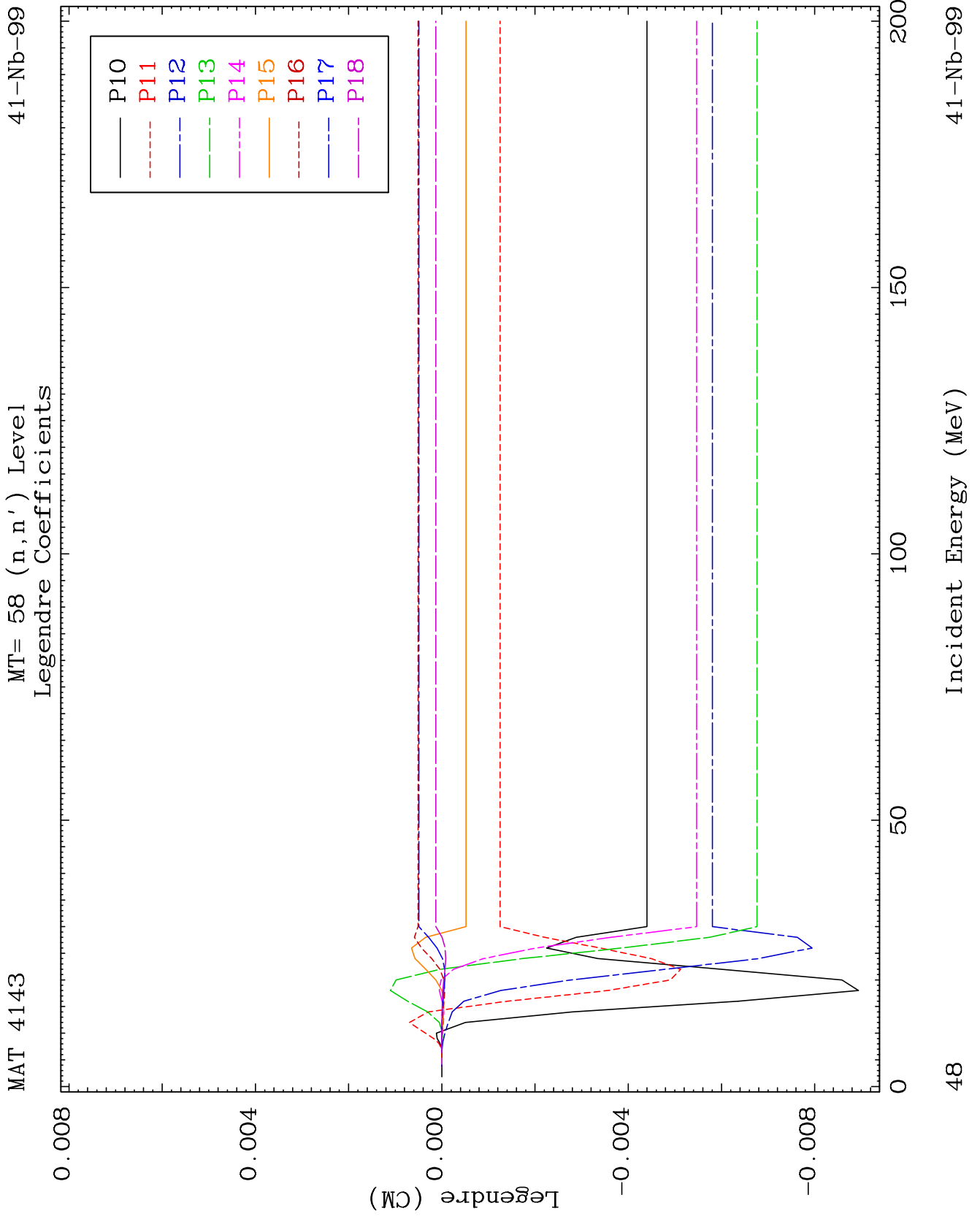
41-Nb-99



47

Incident Energy (MeV)

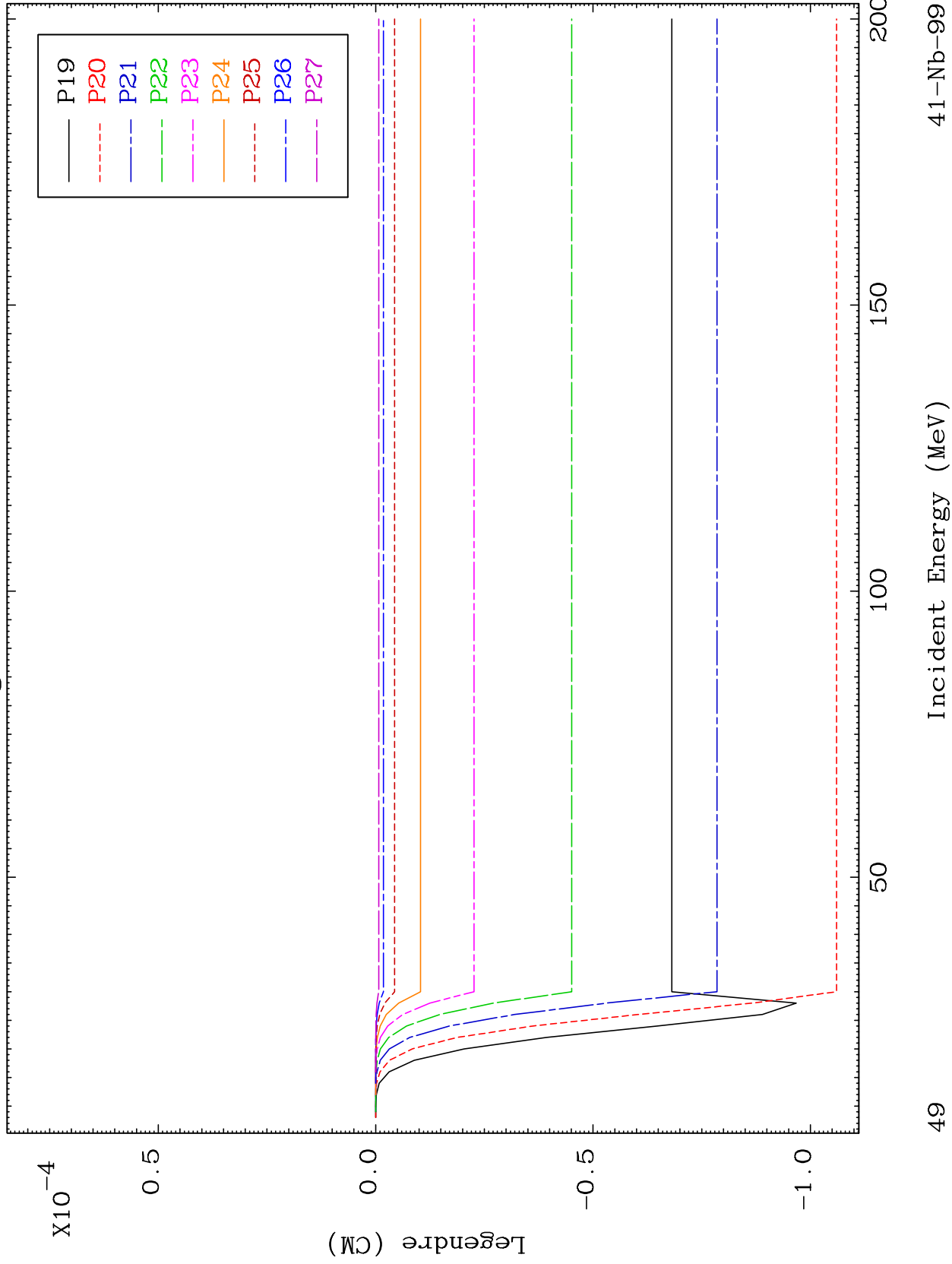
41-Nb-99

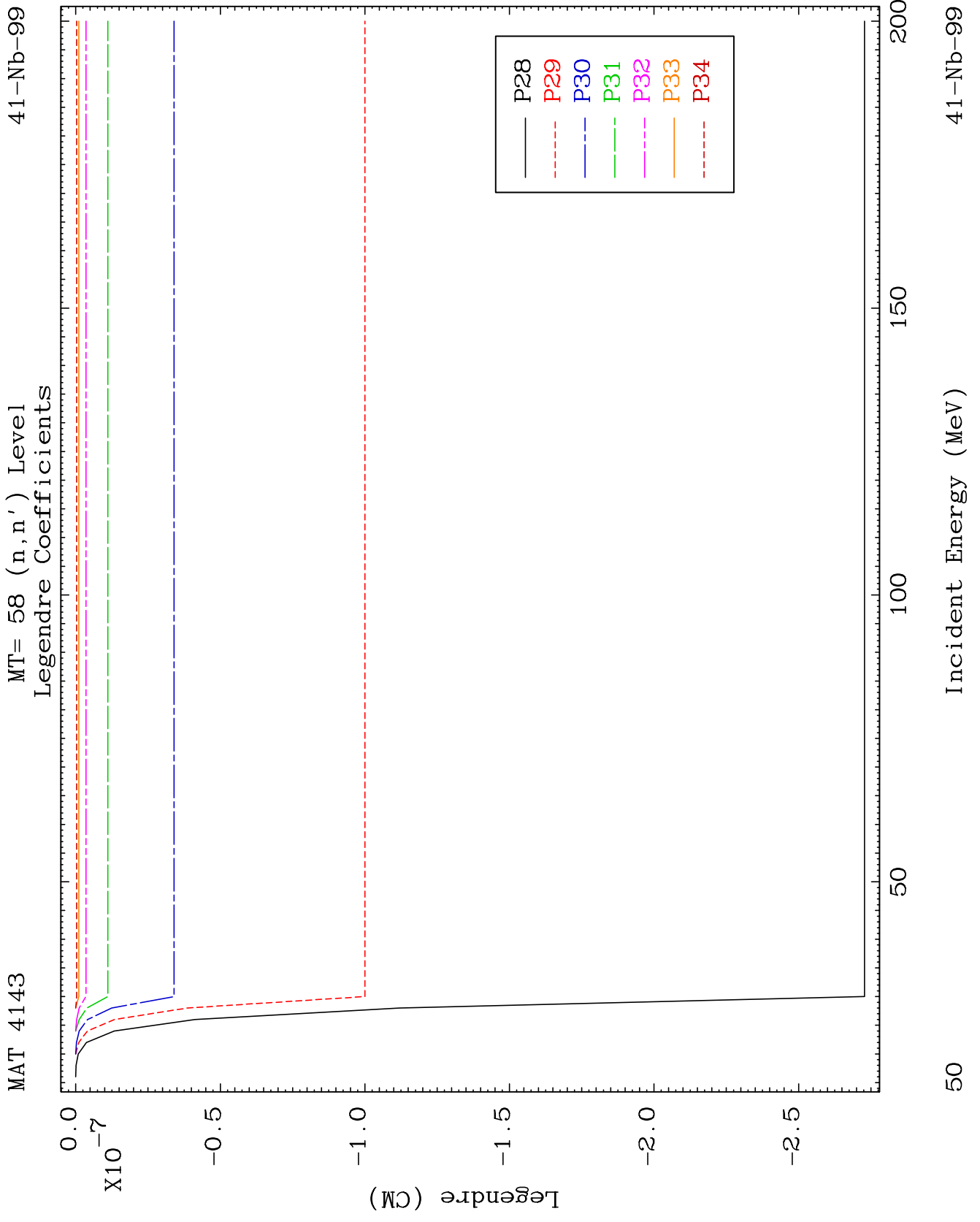


MAT 4143

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

41-Nb-99

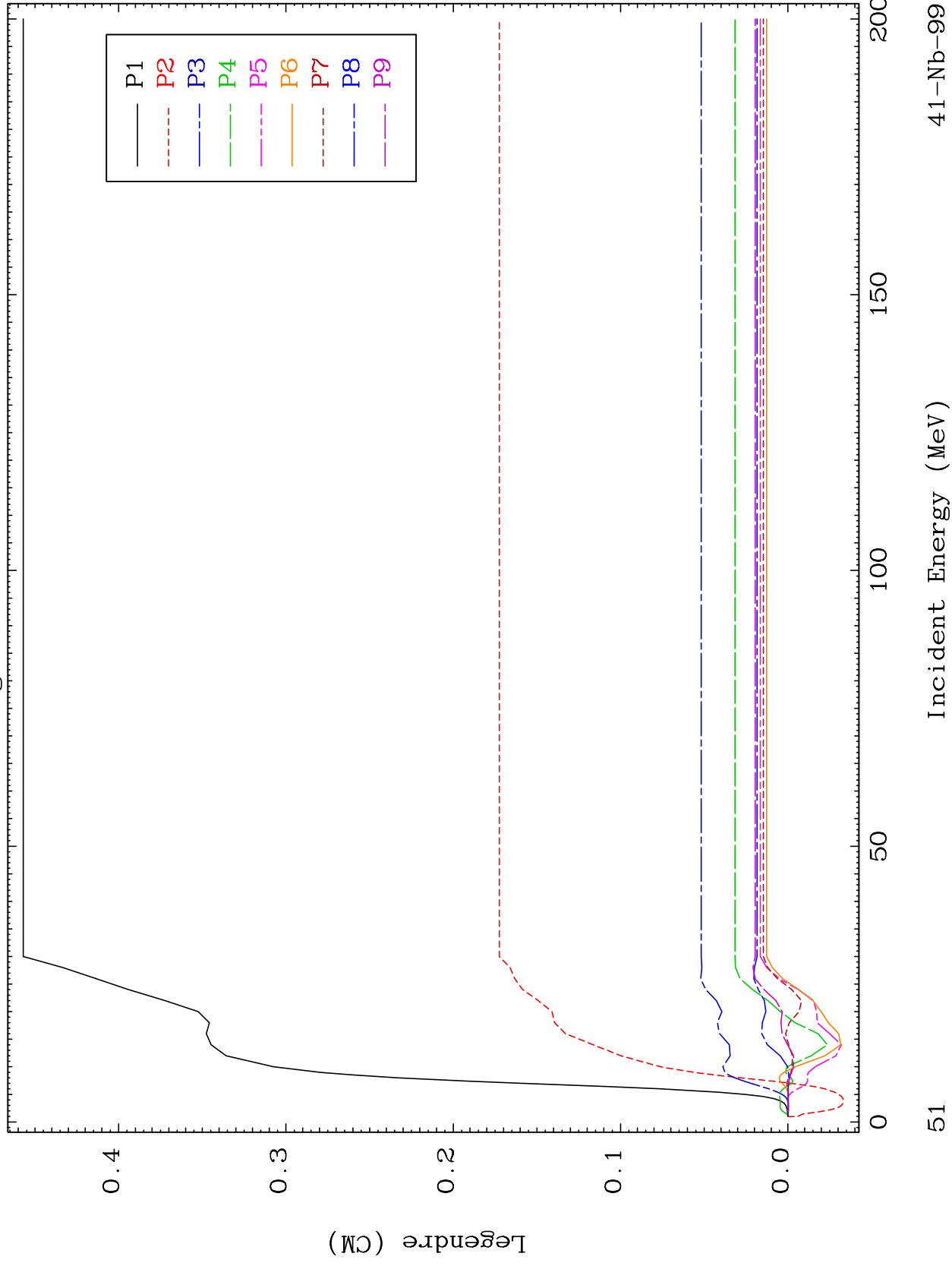




MAT 4143

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

41-Nb-99



41-Nb-99

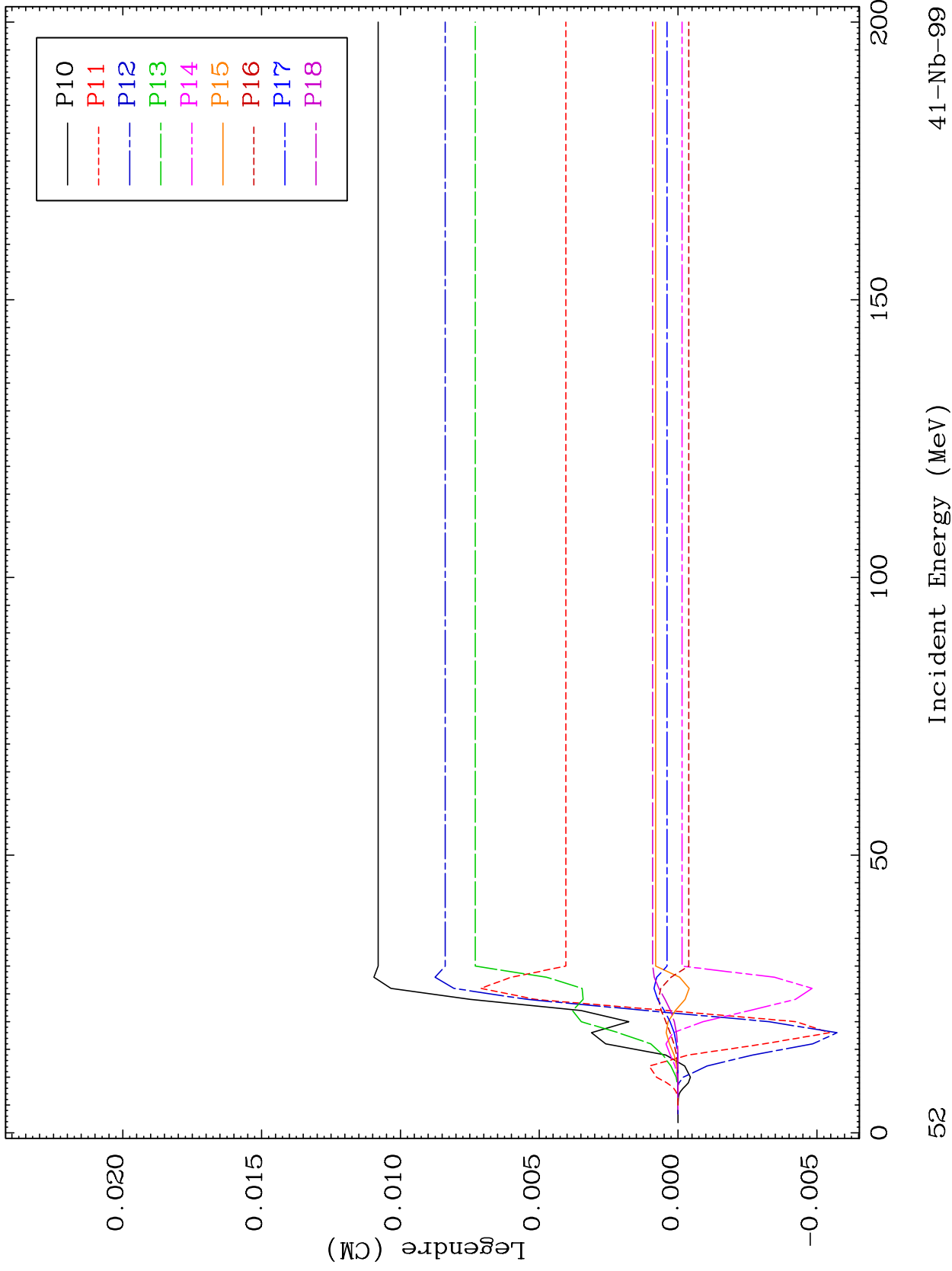
Incident Energy (MeV)

51

MAT 4143

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

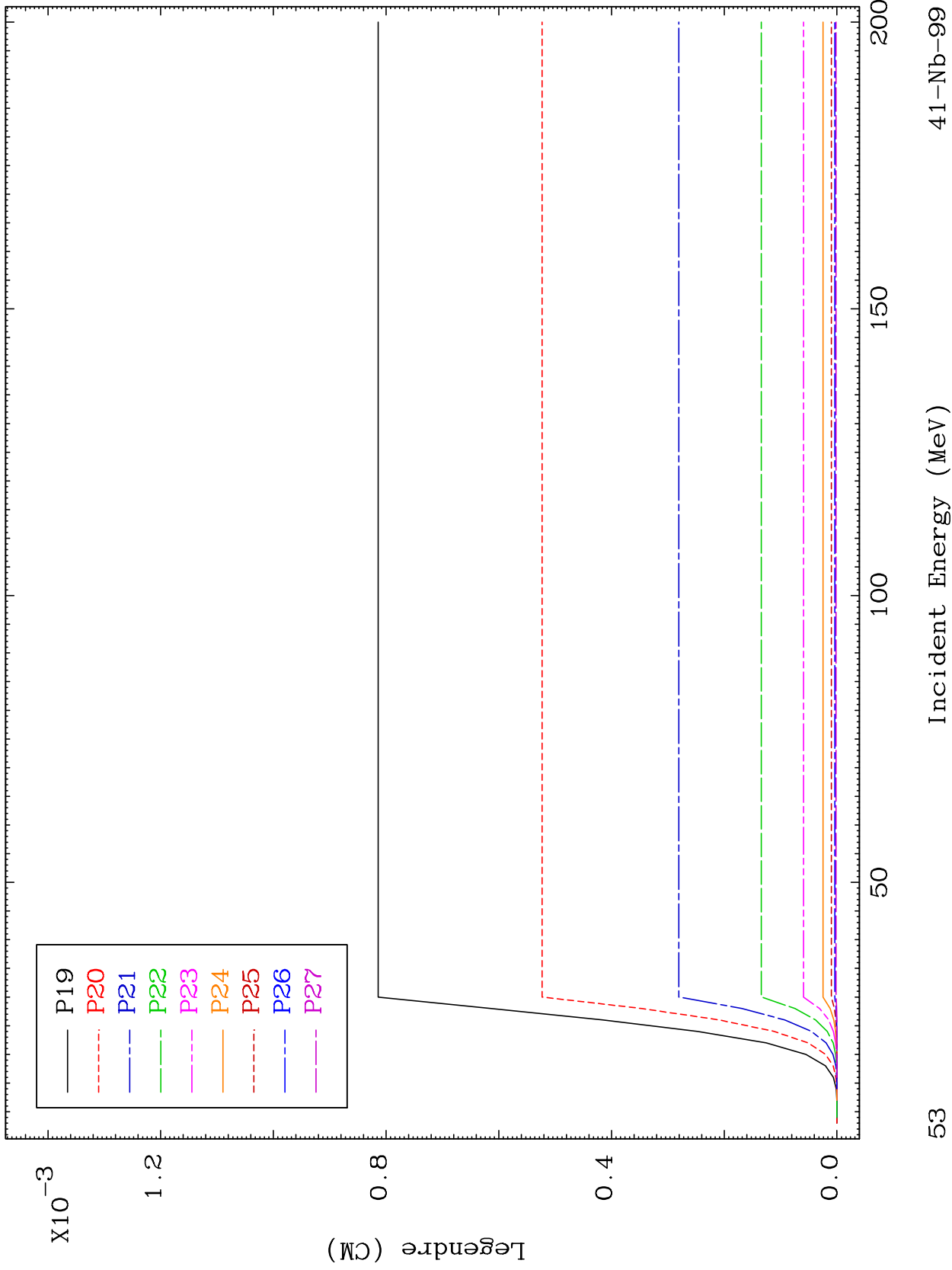
41-Nb-99



52

Incident Energy (MeV)

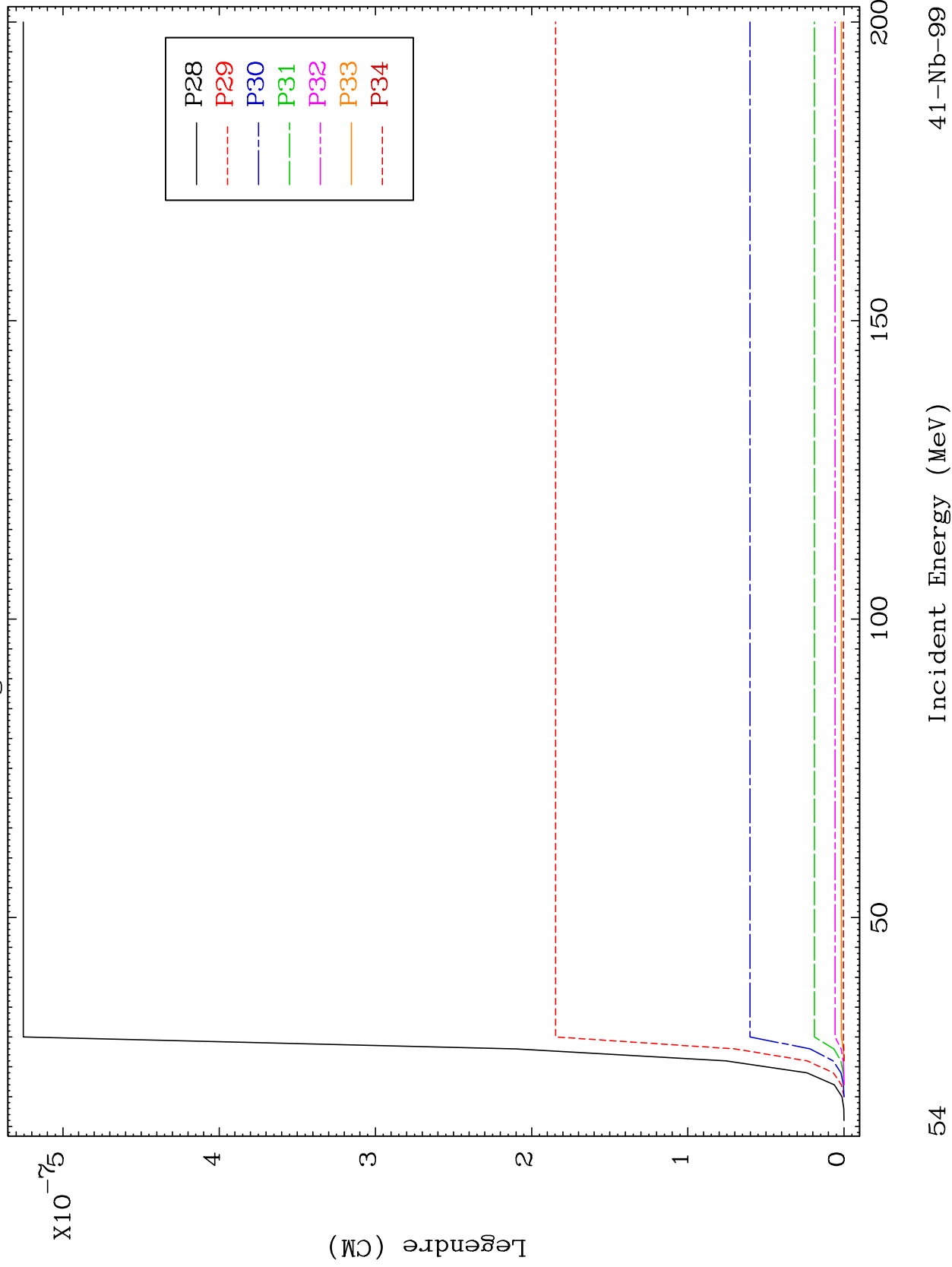
41-Nb-99



MAT 4143

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

41-Nb-99

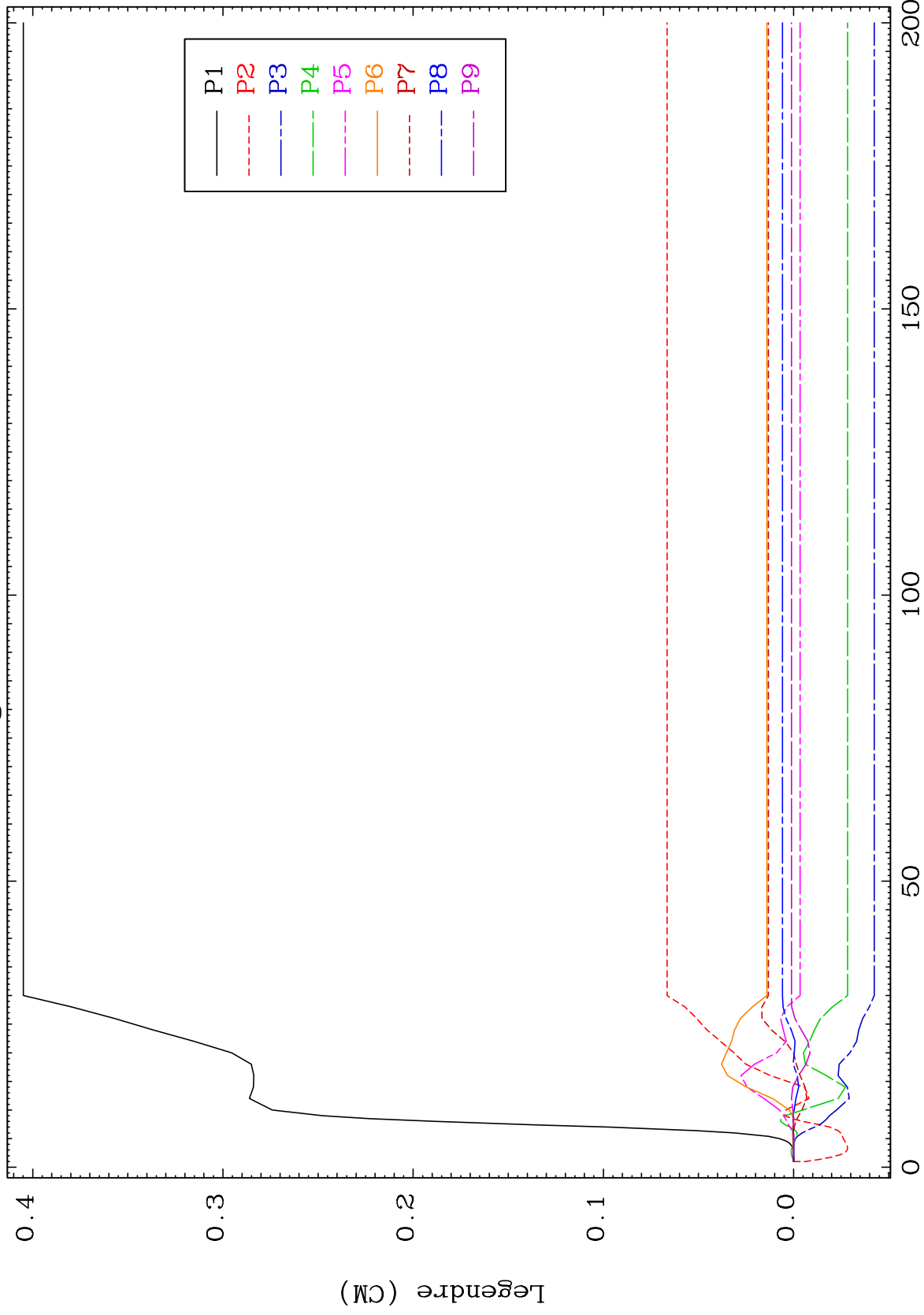


54

MAT 4143

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

41-Nb-99



55

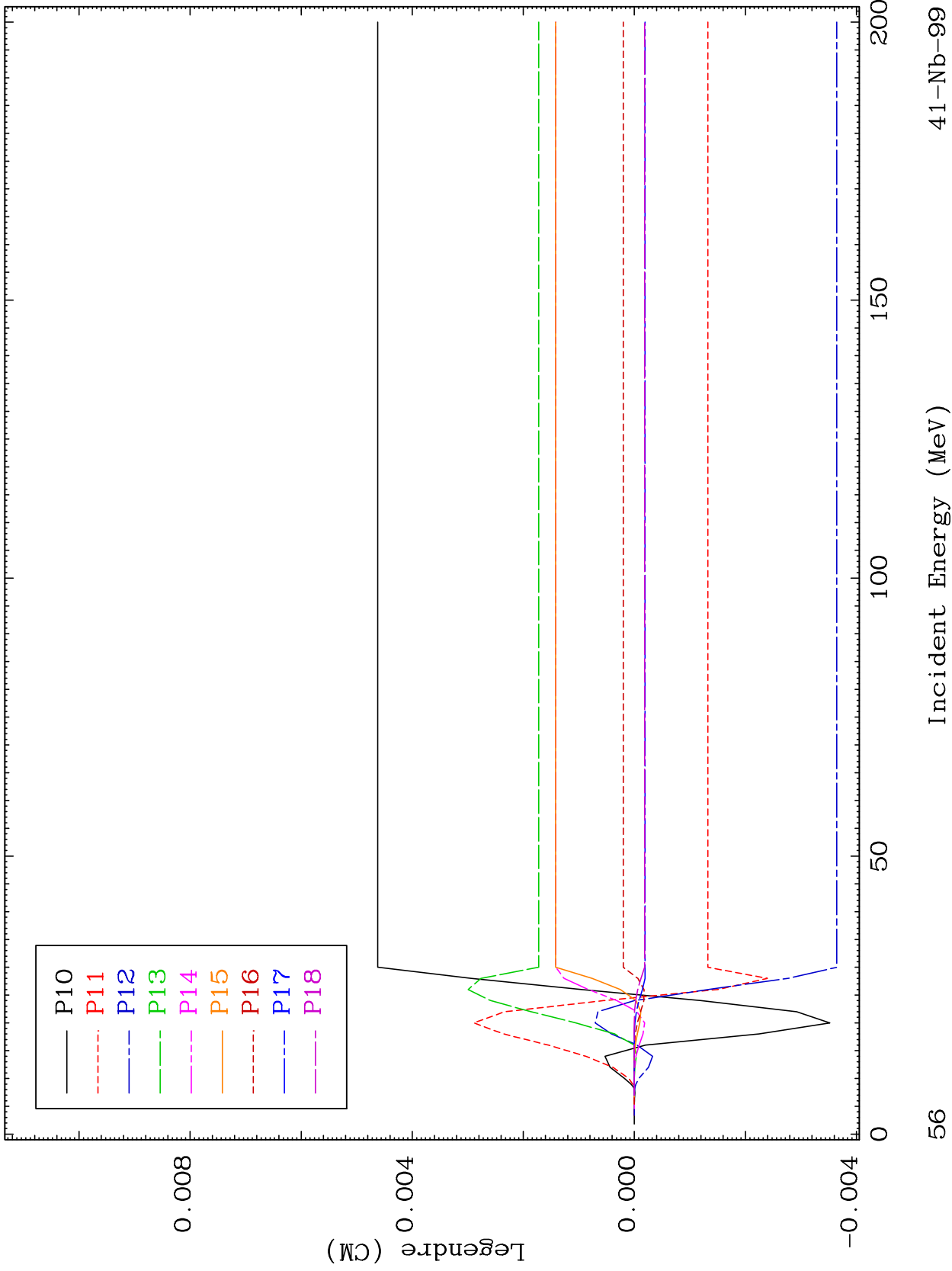
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



56

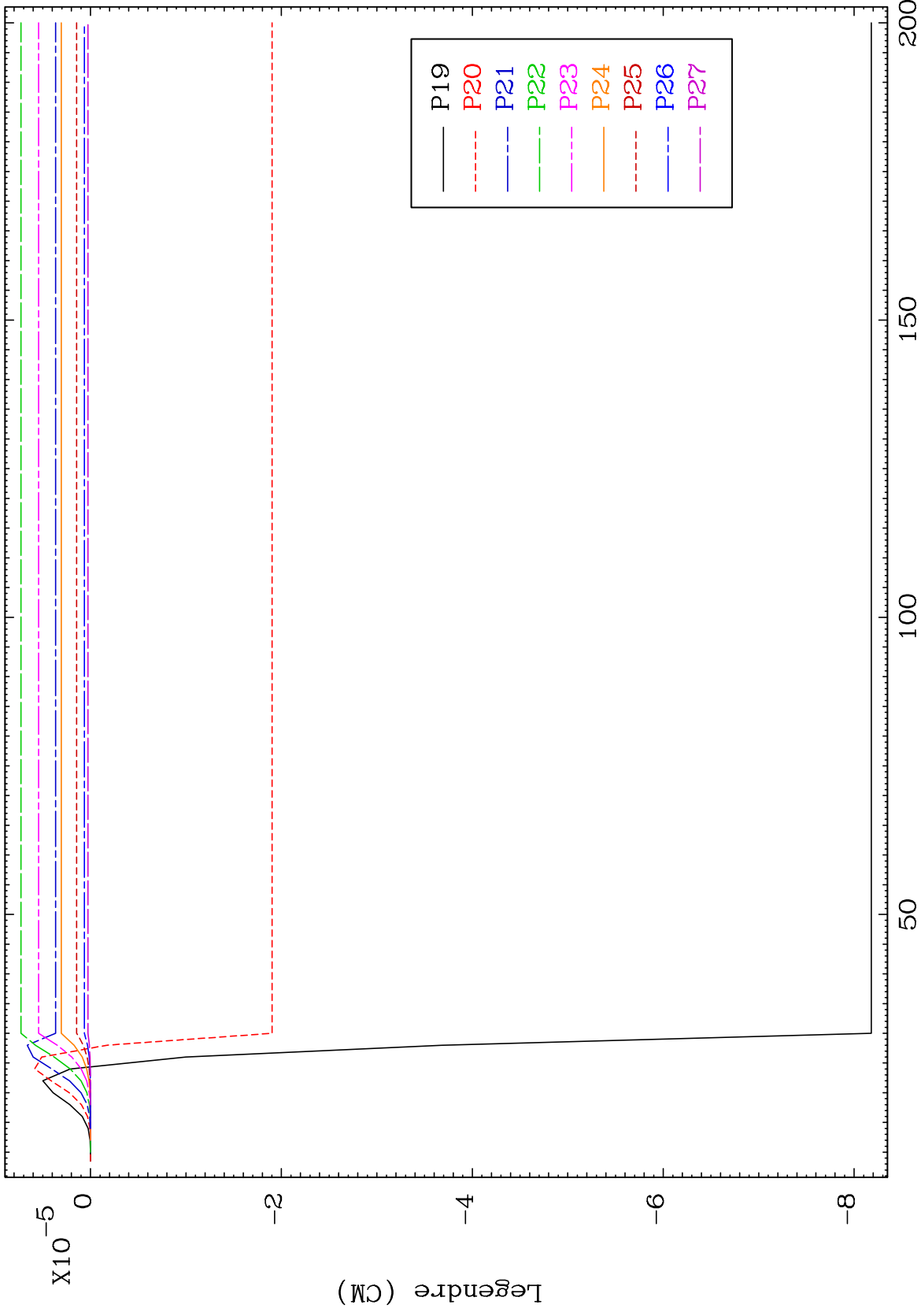
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



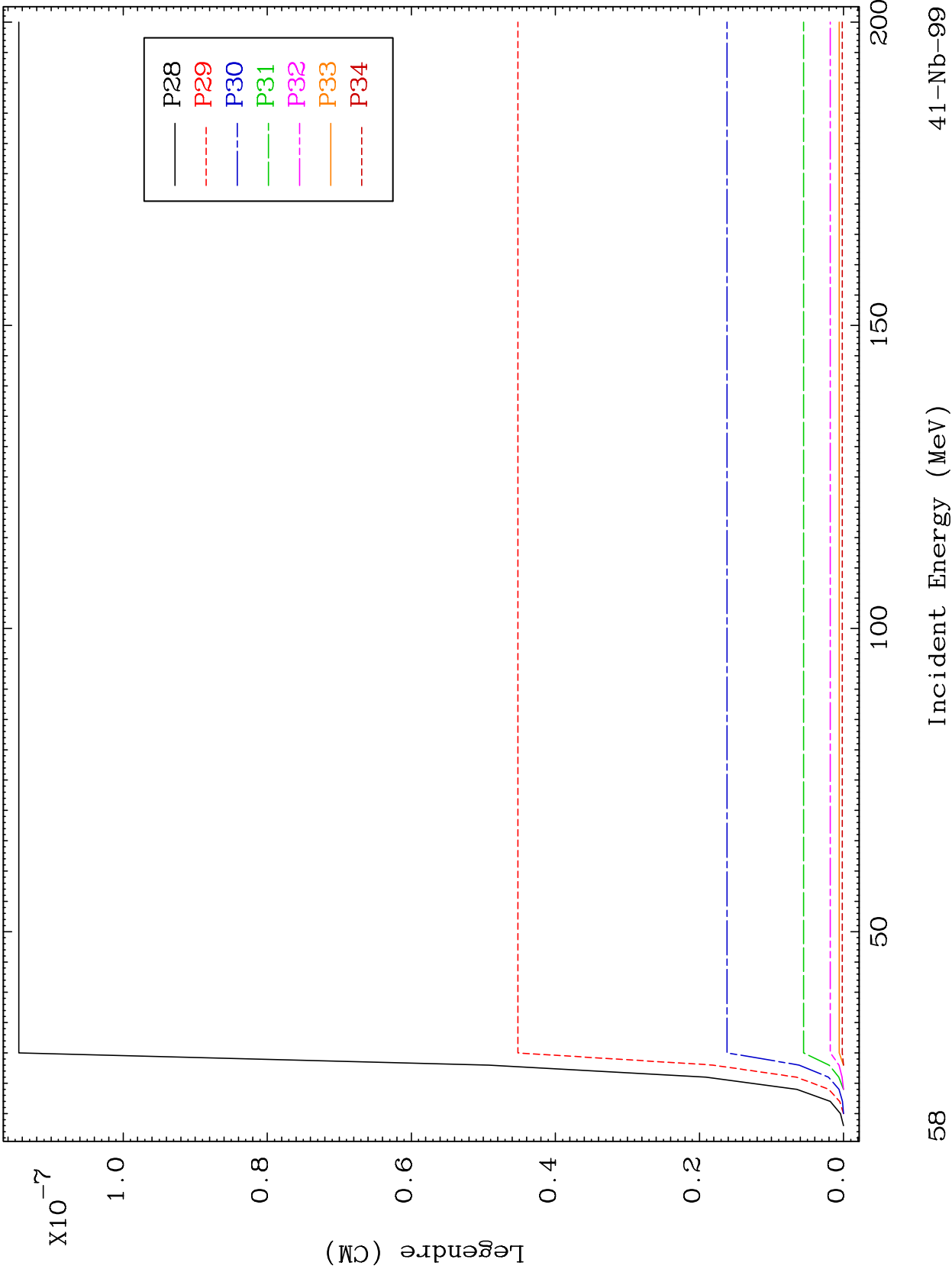
57

41-Nb-99

MAT 4143

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

41-Nb-99



58

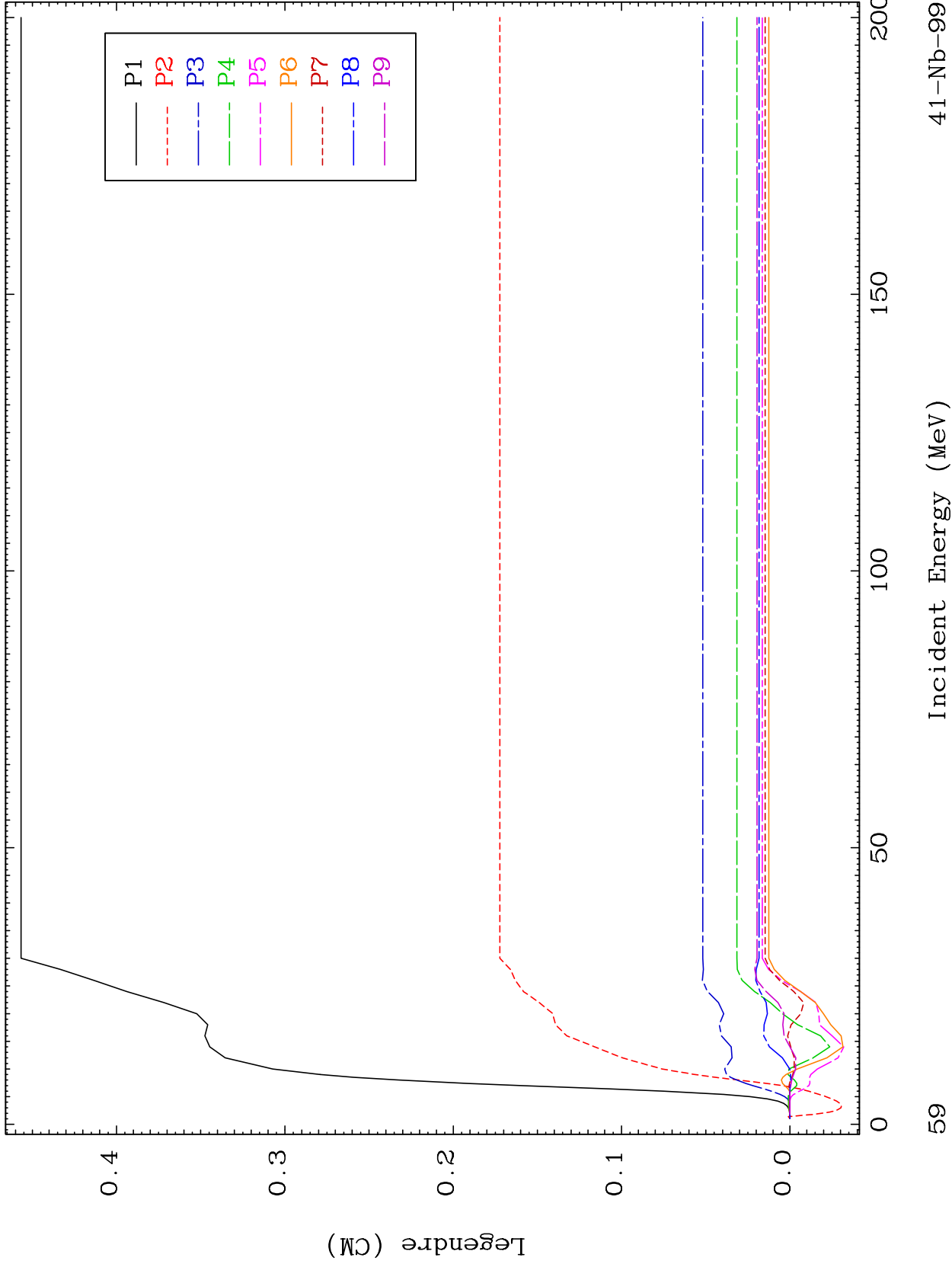
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

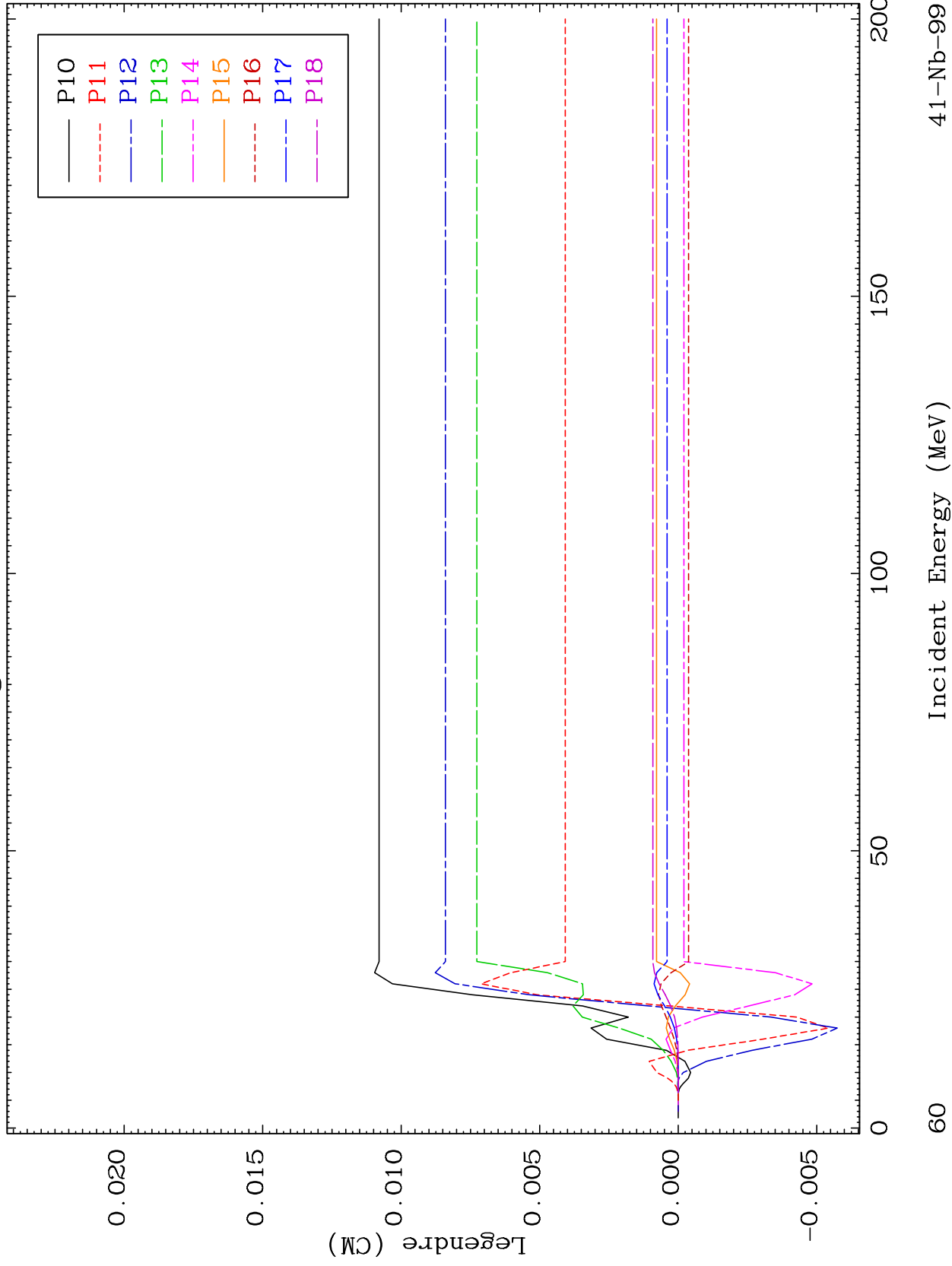
41-Nb-99



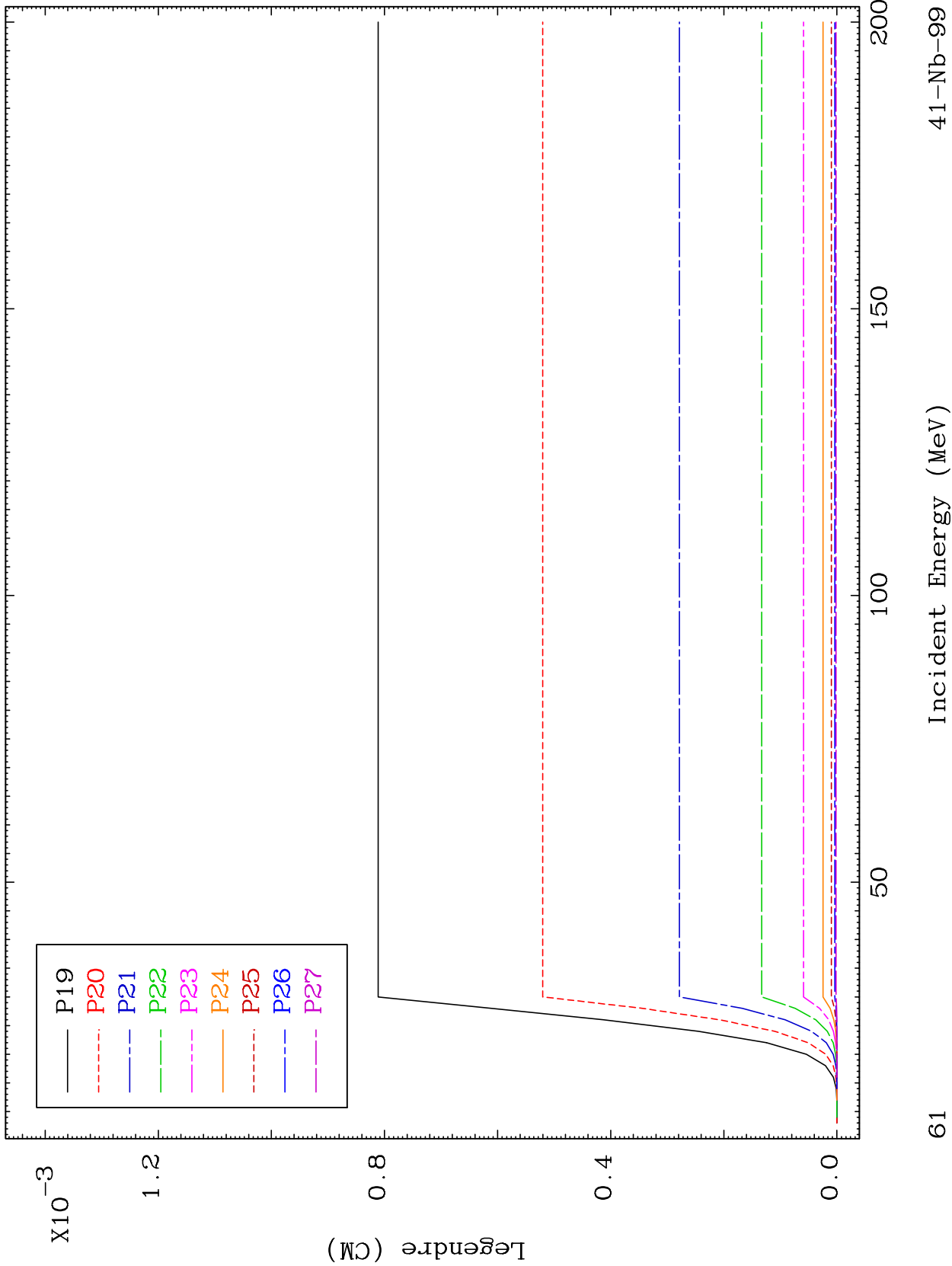
MAT 4143

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

41-Nb-99



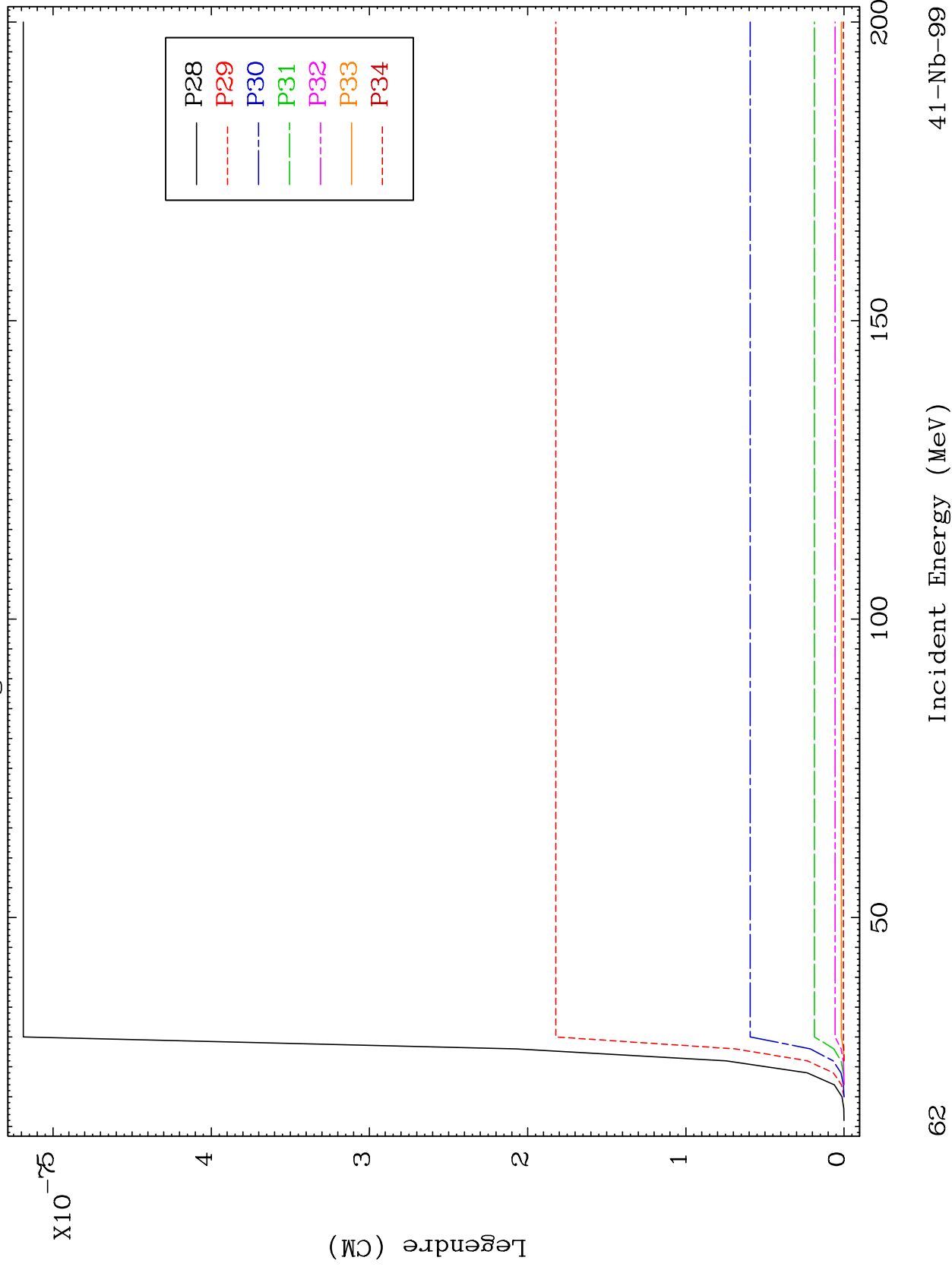
41-Nb-99



MAT 4143

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

41-Nb-99



62

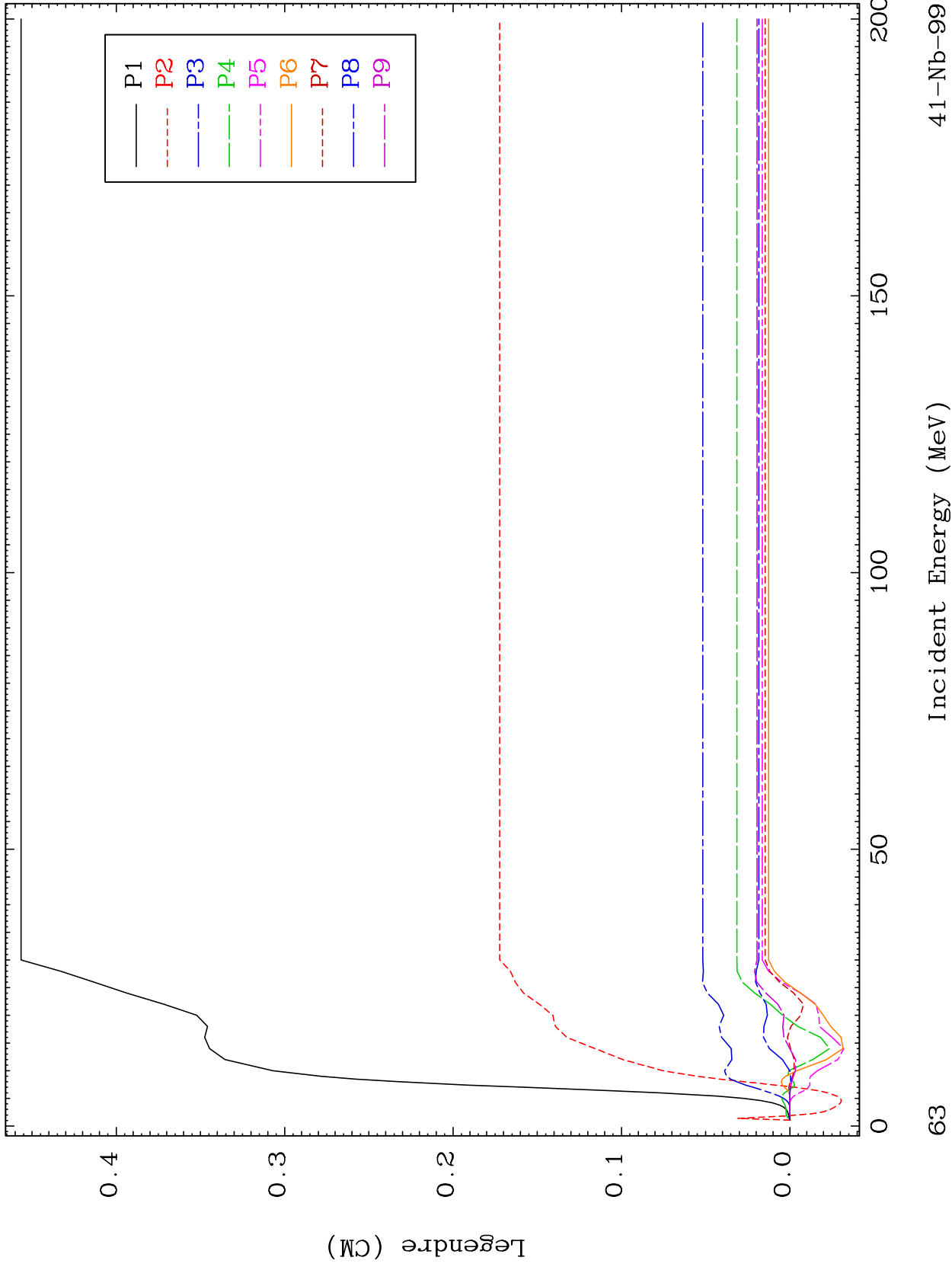
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



41-Nb-99

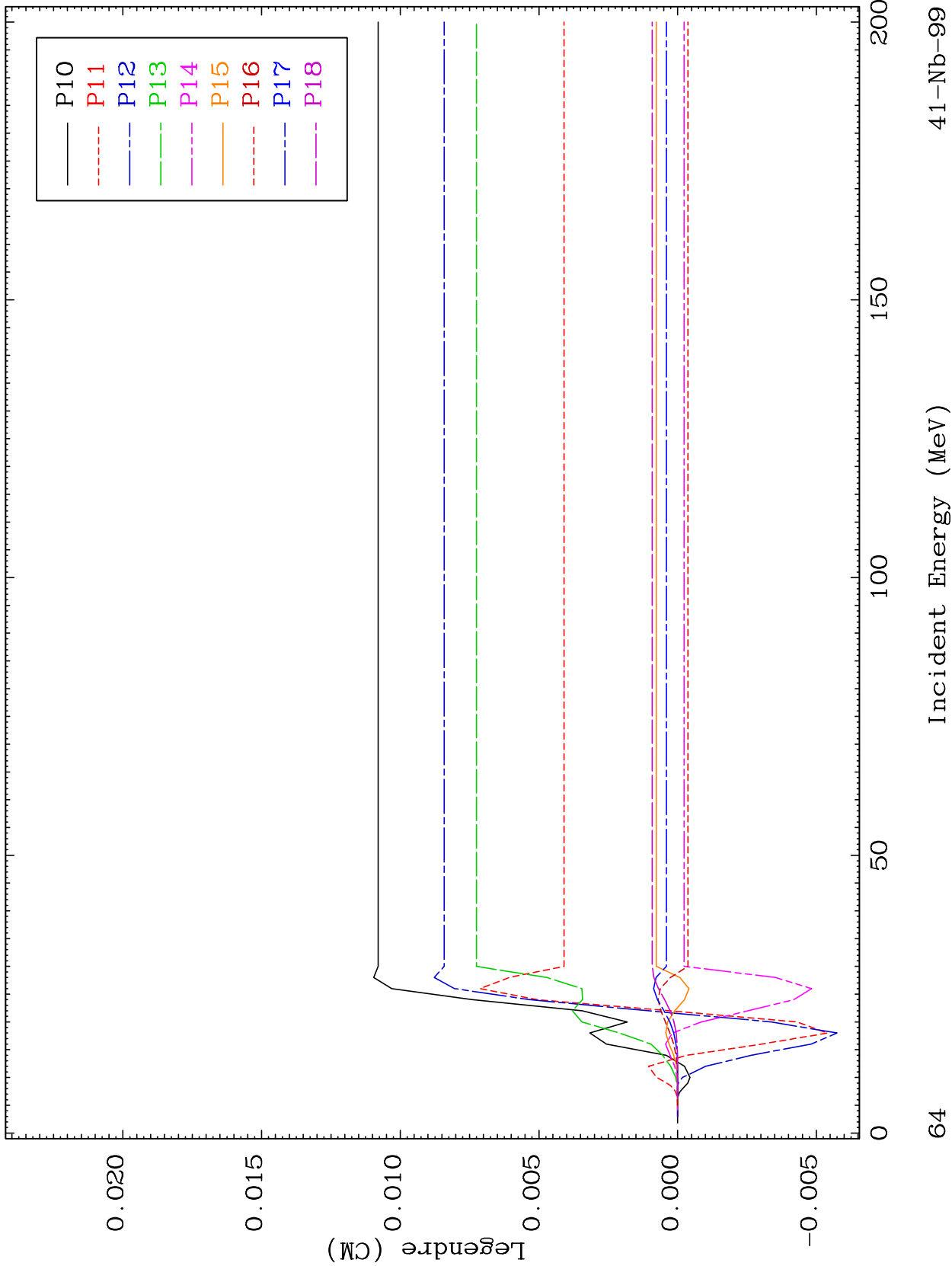
Incident Energy (MeV)

63

MAT 4143

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

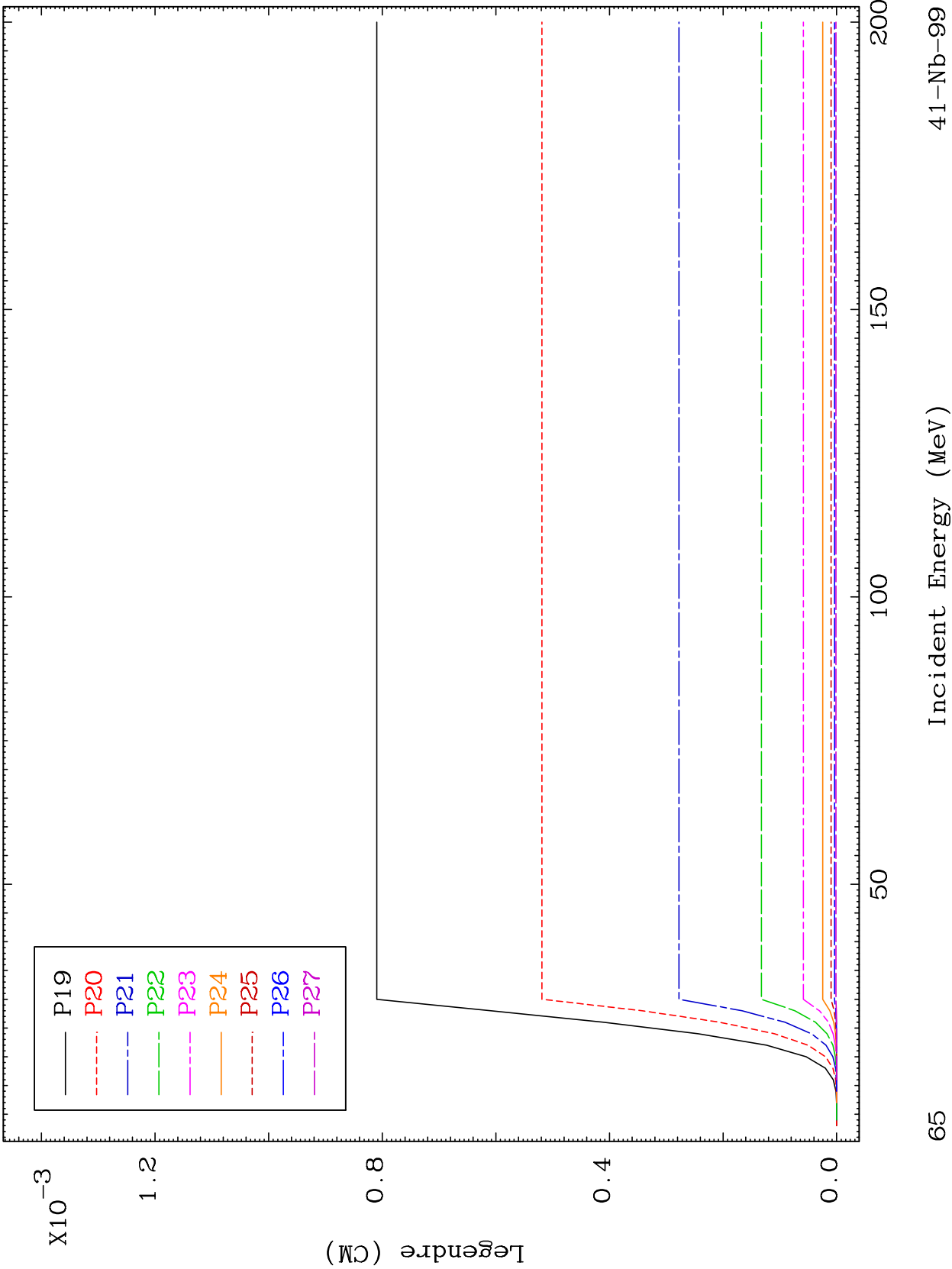
41-Nb-99



64

Incident Energy (MeV)

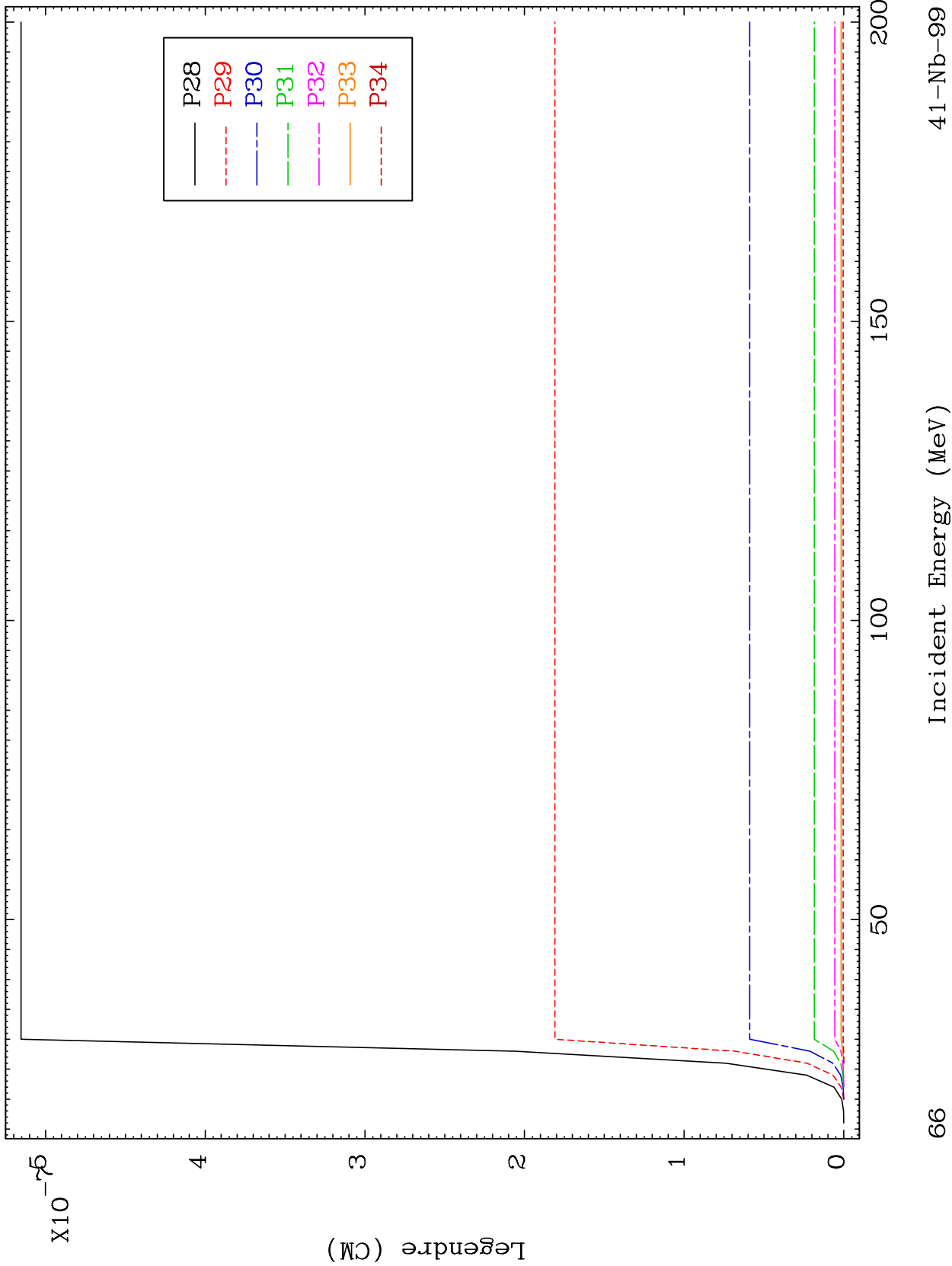
41-Nb-99



MAT 4143

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

41-Nb-99



66

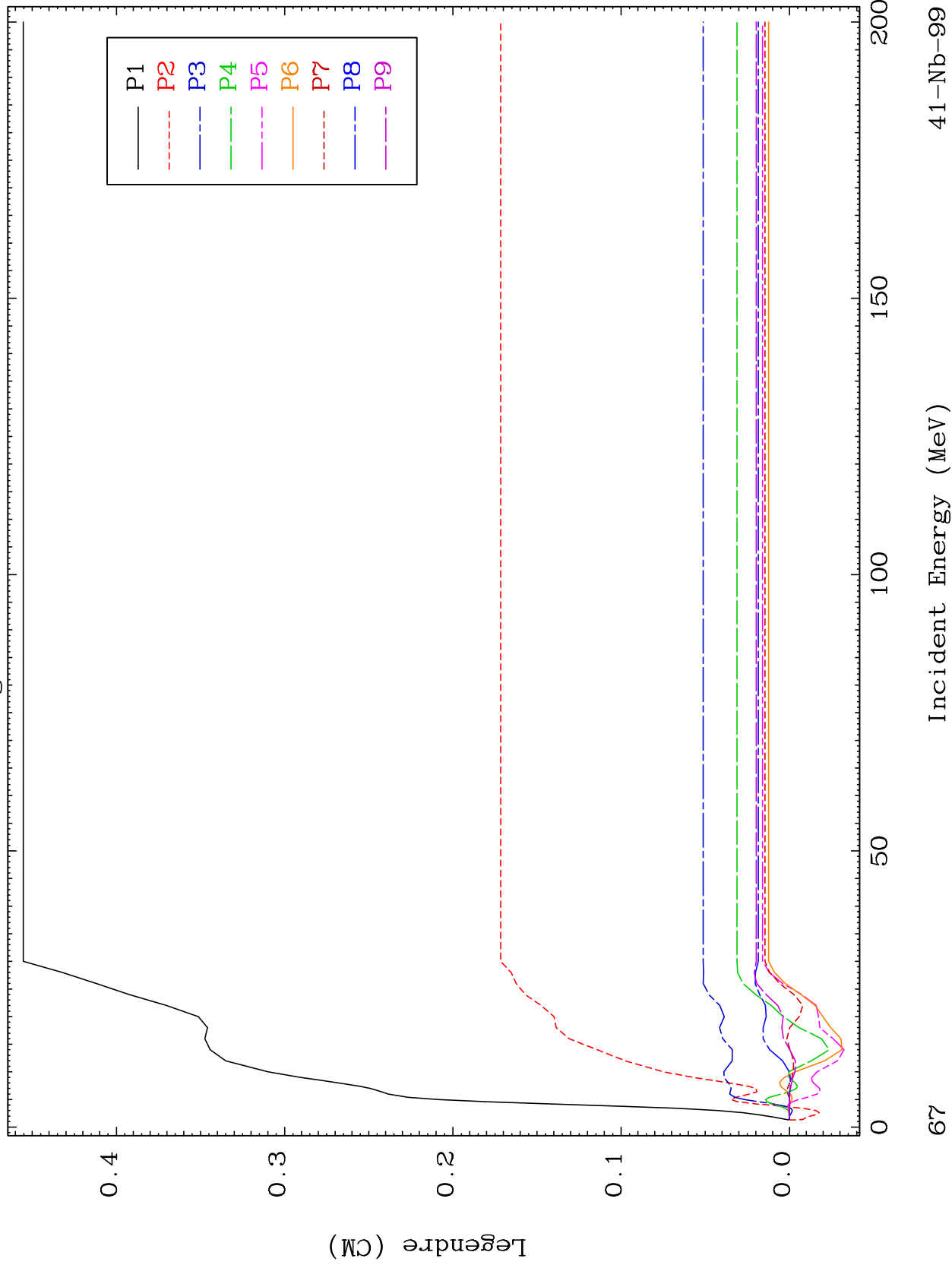
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



41-Nb-99

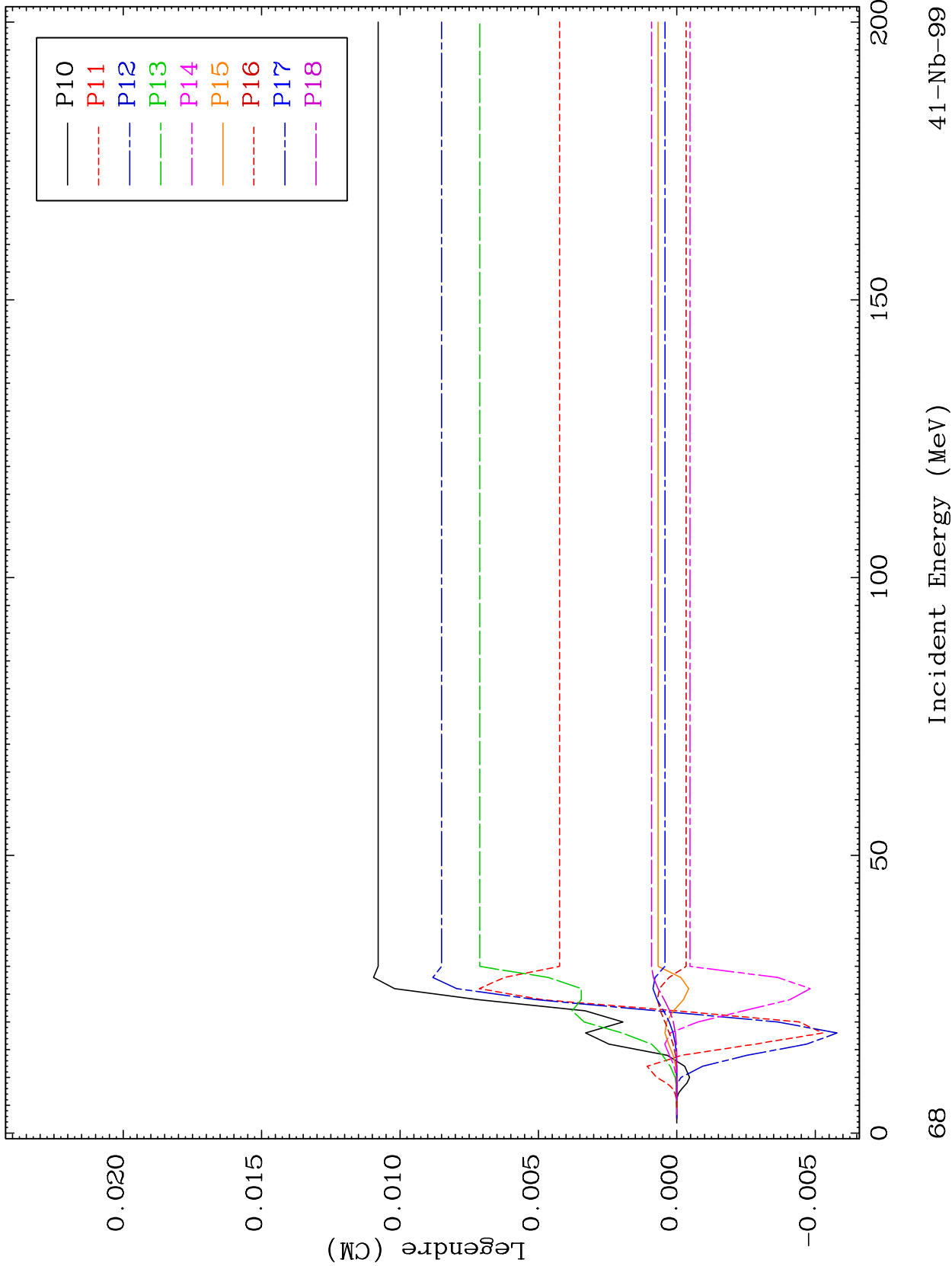
Incident Energy (MeV)

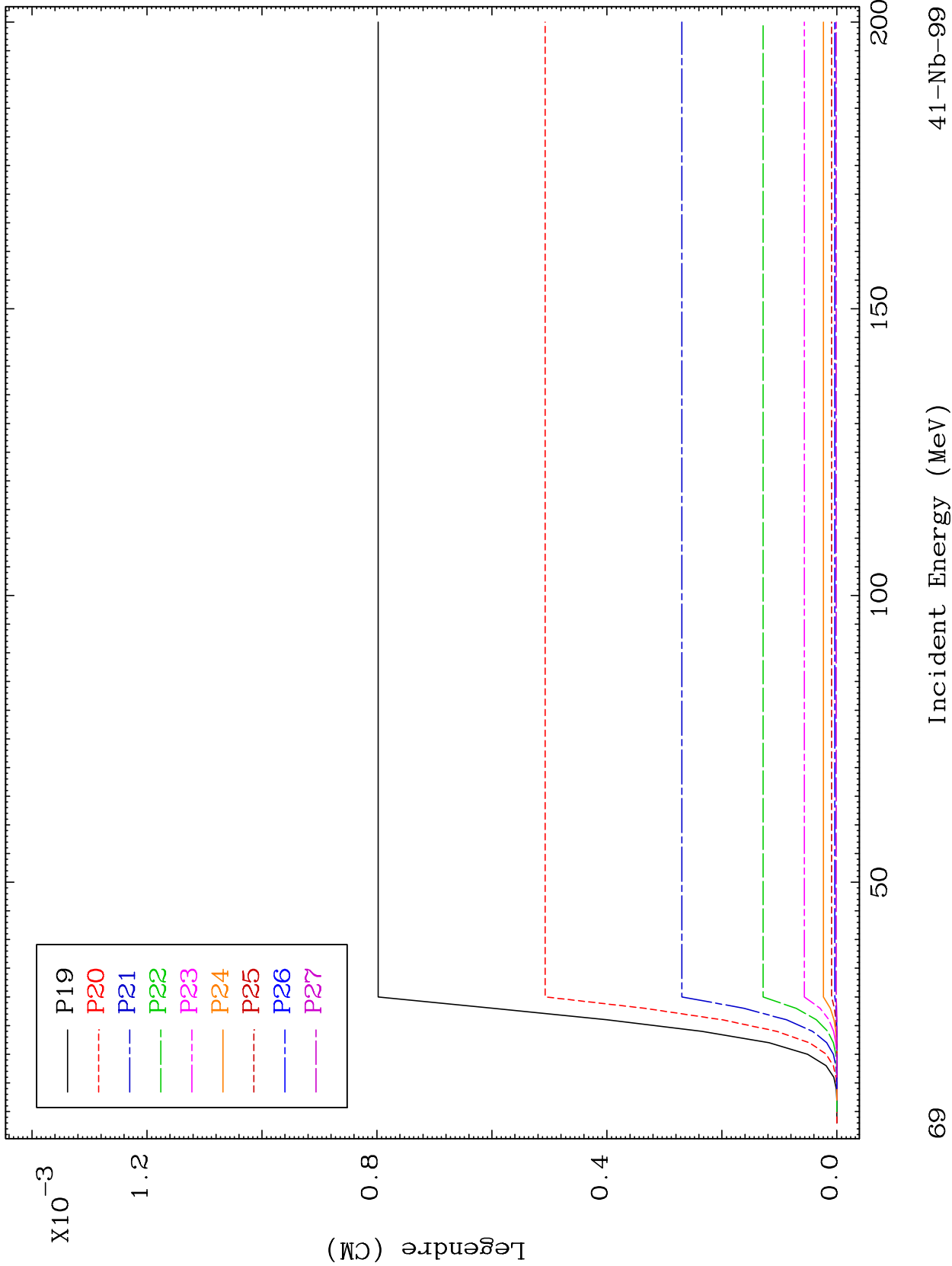
67

MAT 4143

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

41-Nb-99

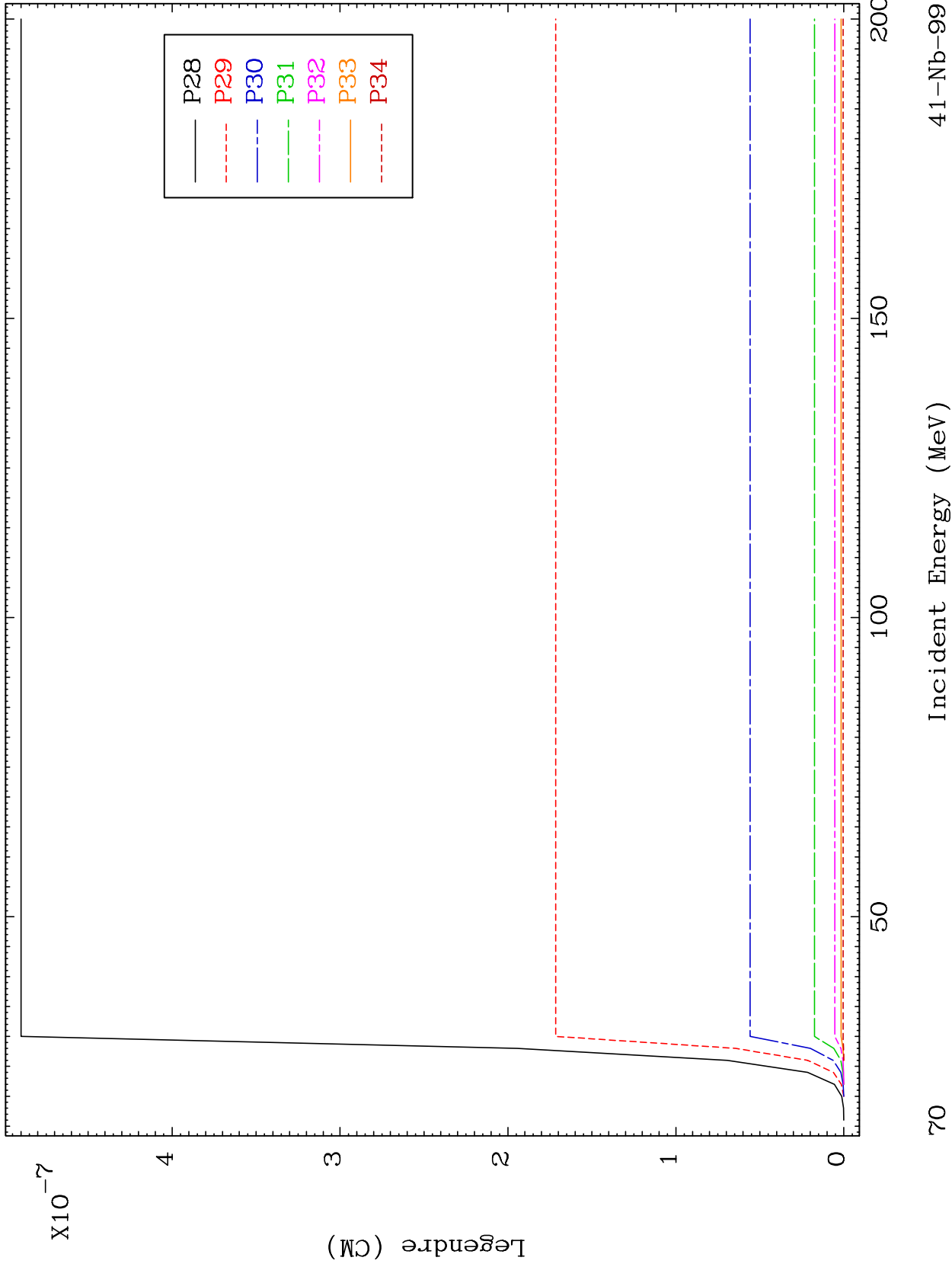




MAT 4143

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

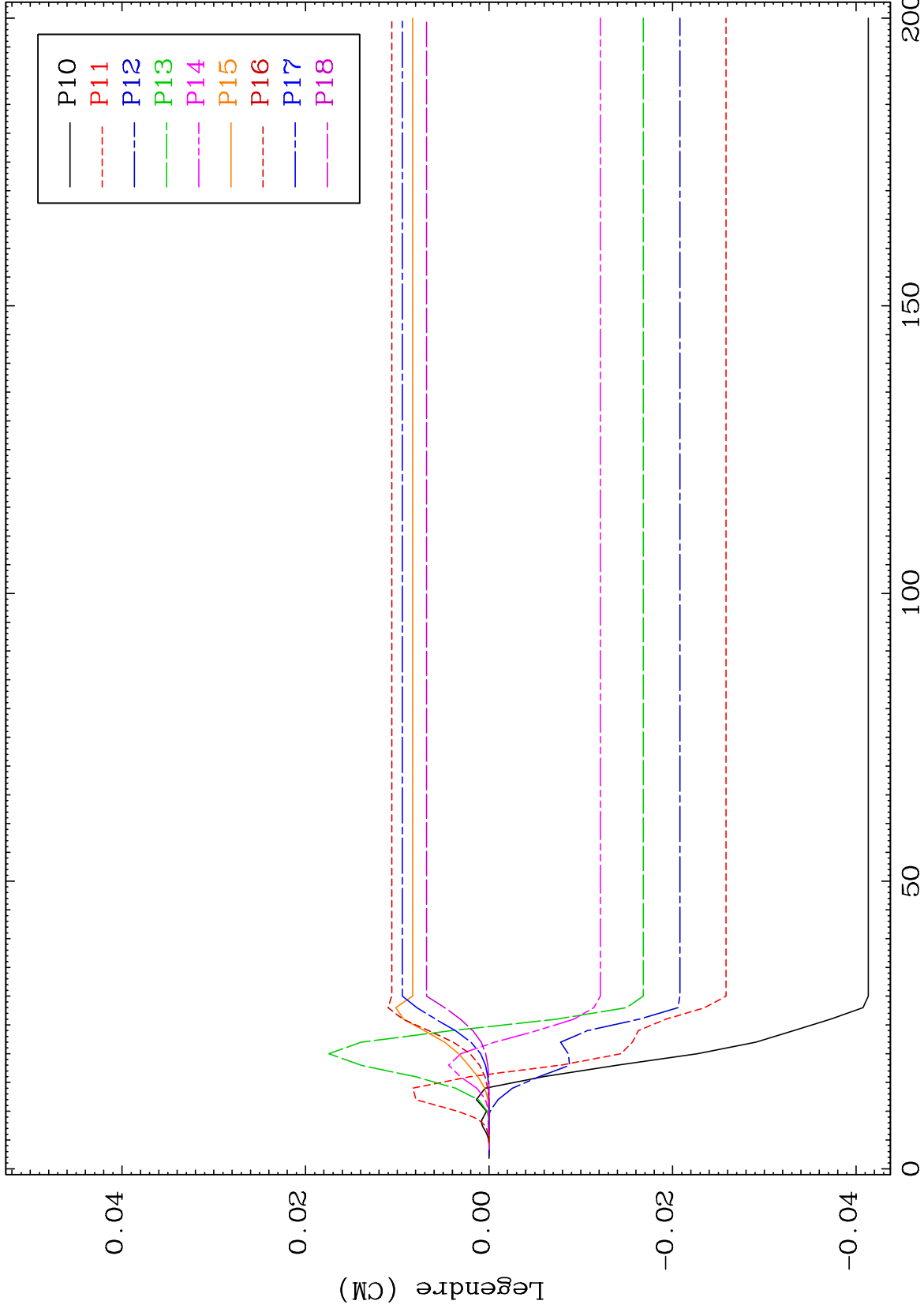
41-Nb-99



MAT 4143

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

41-Nb-99



72

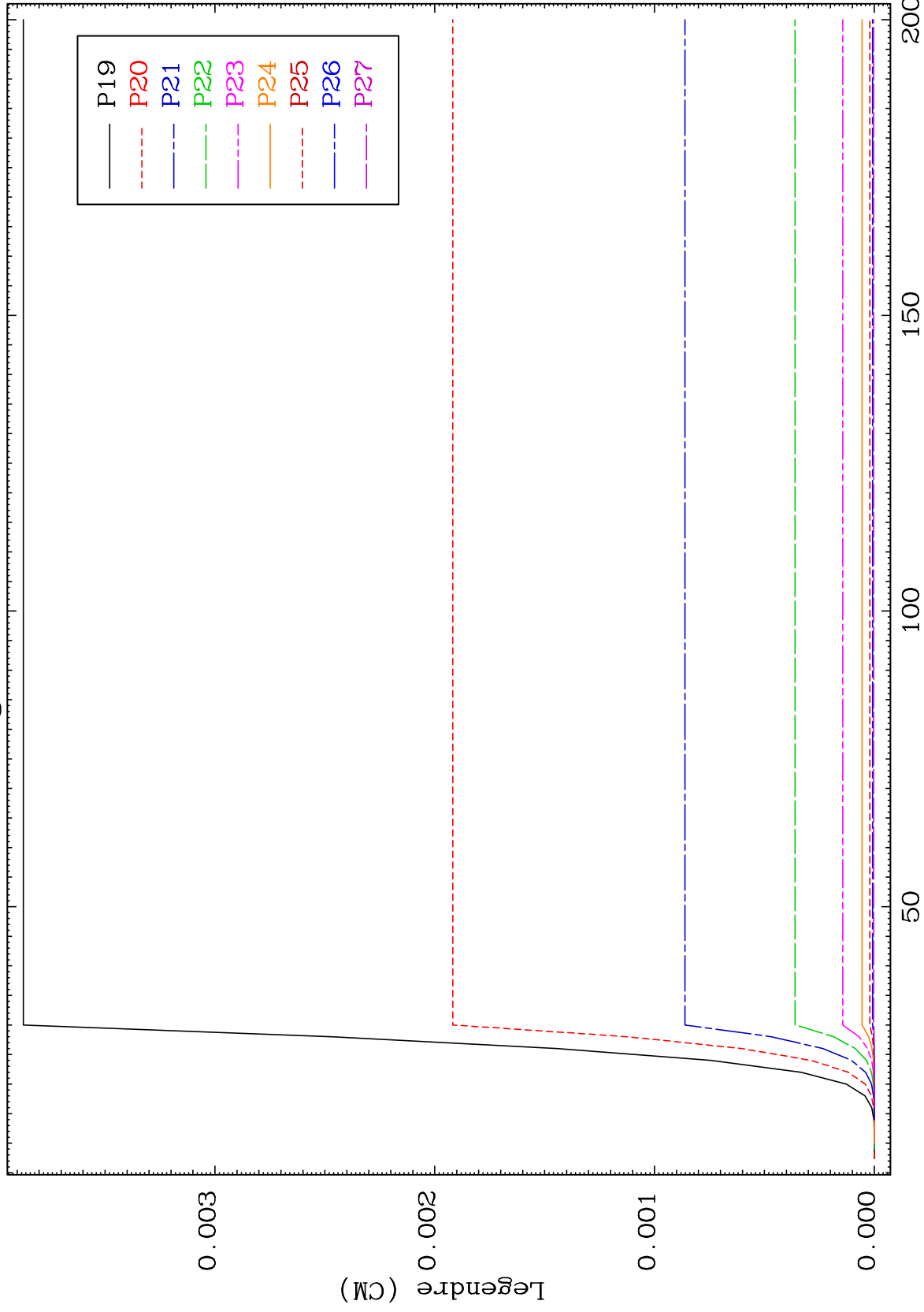
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



73

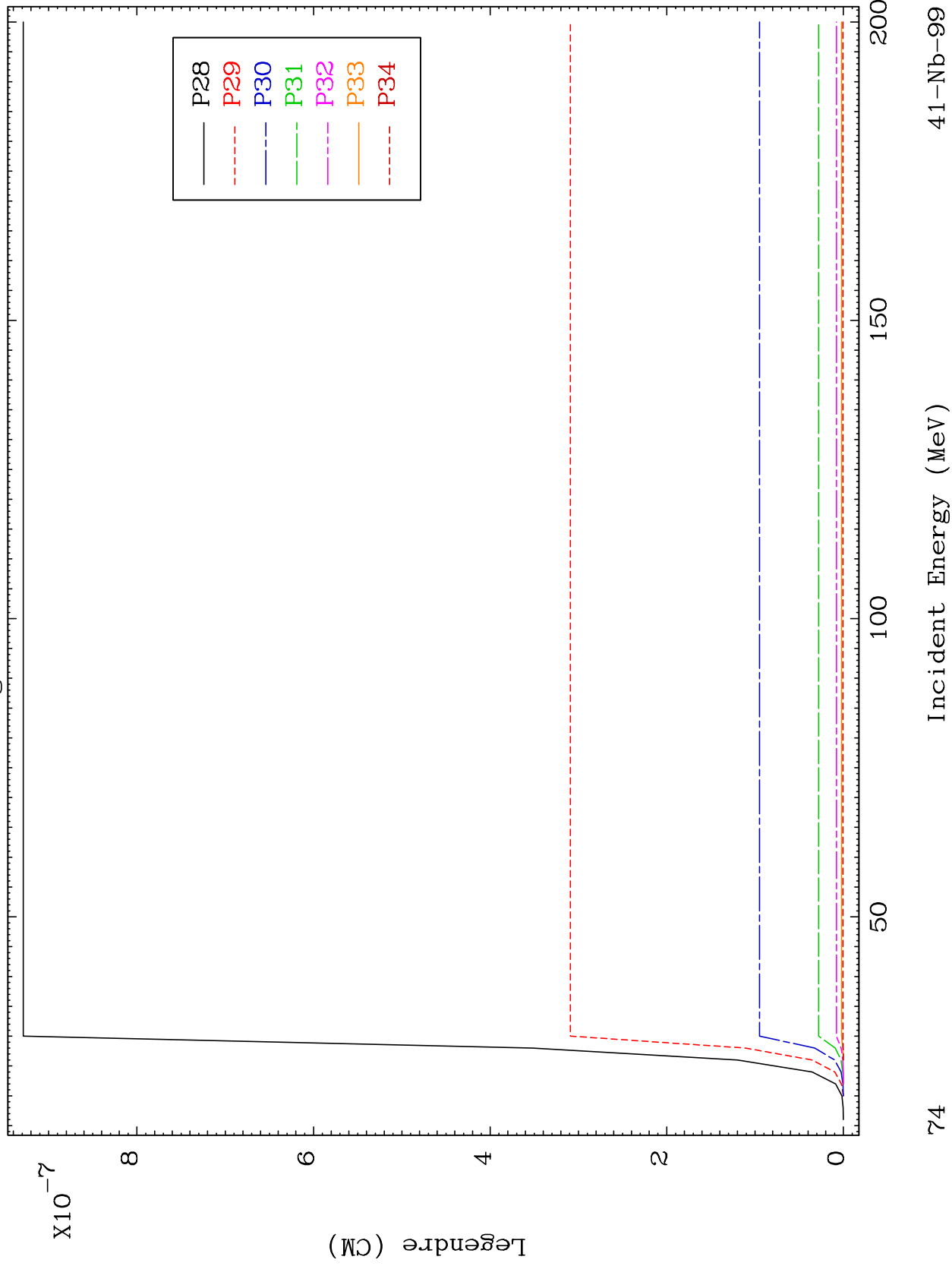
Incident Energy (MeV)

41-Nb-99

MAT 4143

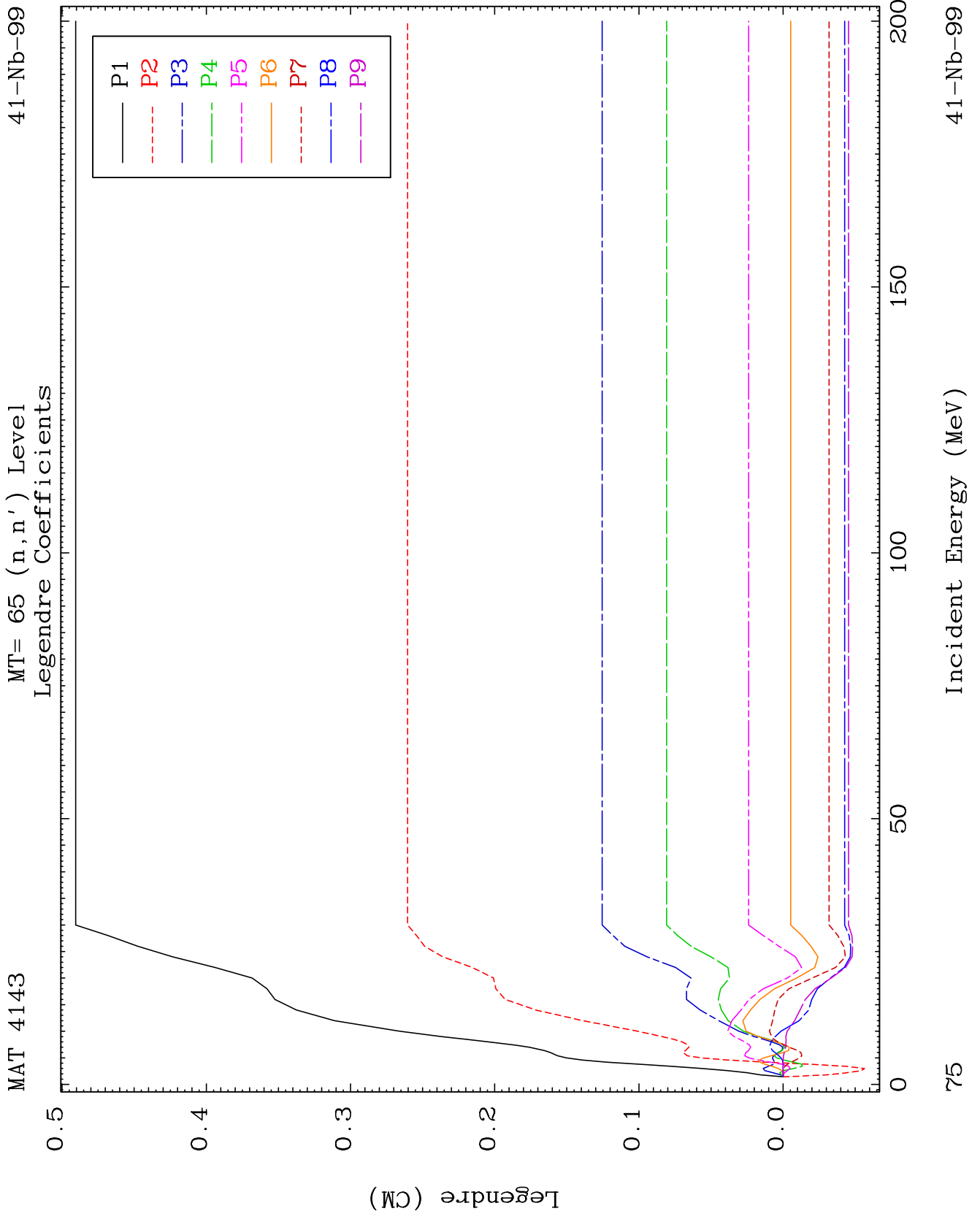
MT= 64 (n,n') Level
Legendre Coefficients

41-Nb-99



74

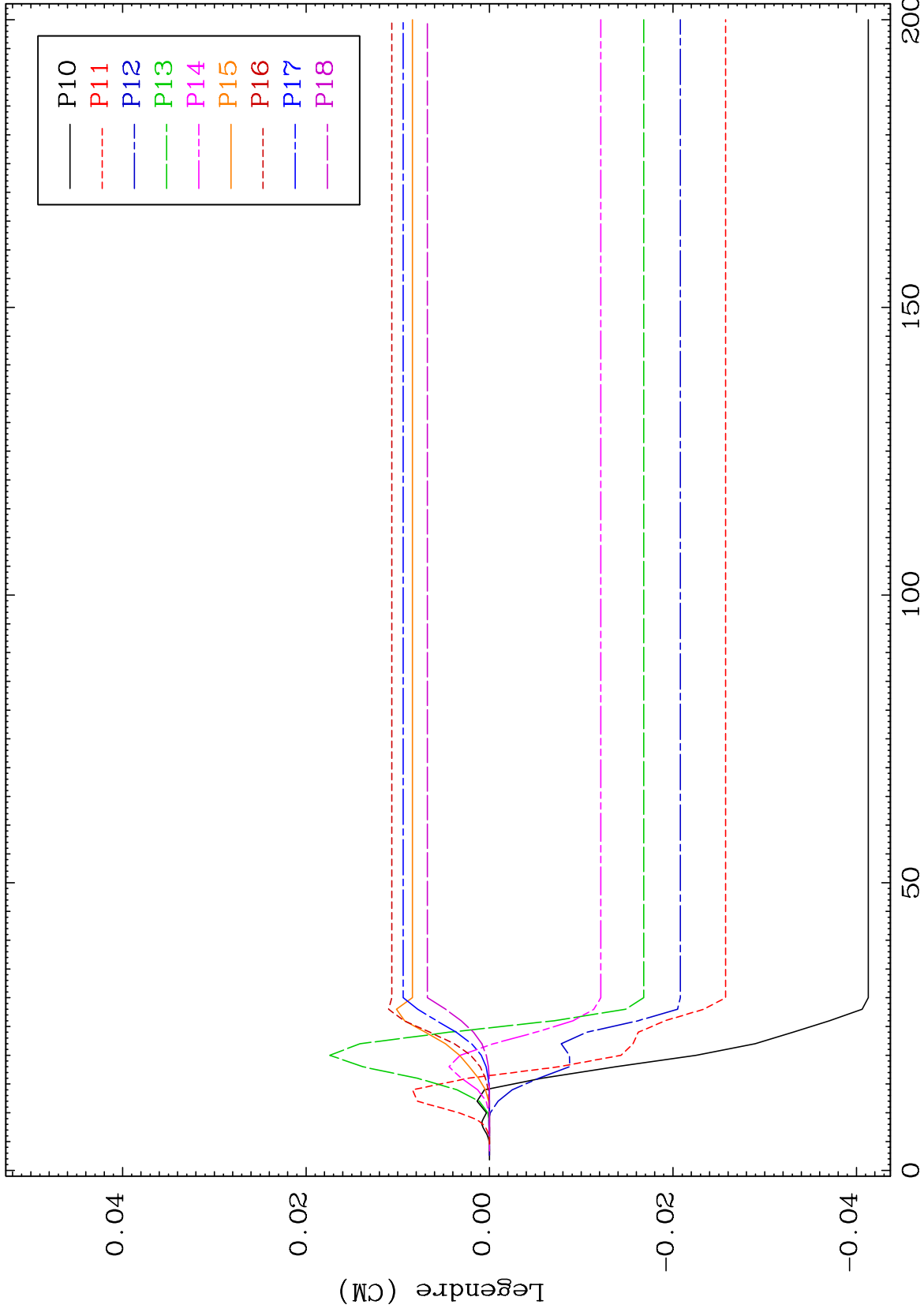
41-Nb-99



MAT 4143

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

41-Nb-99



76

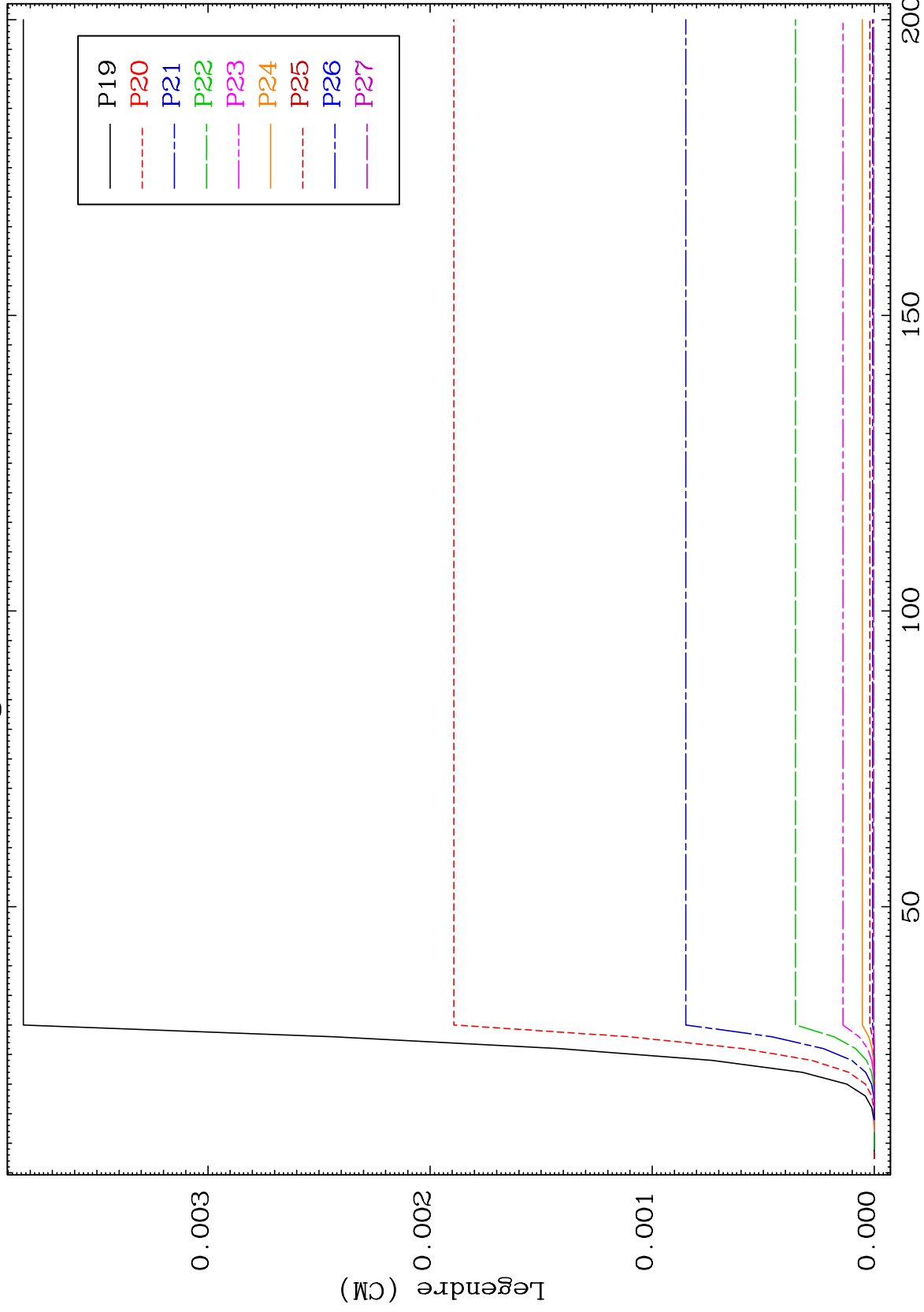
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



77

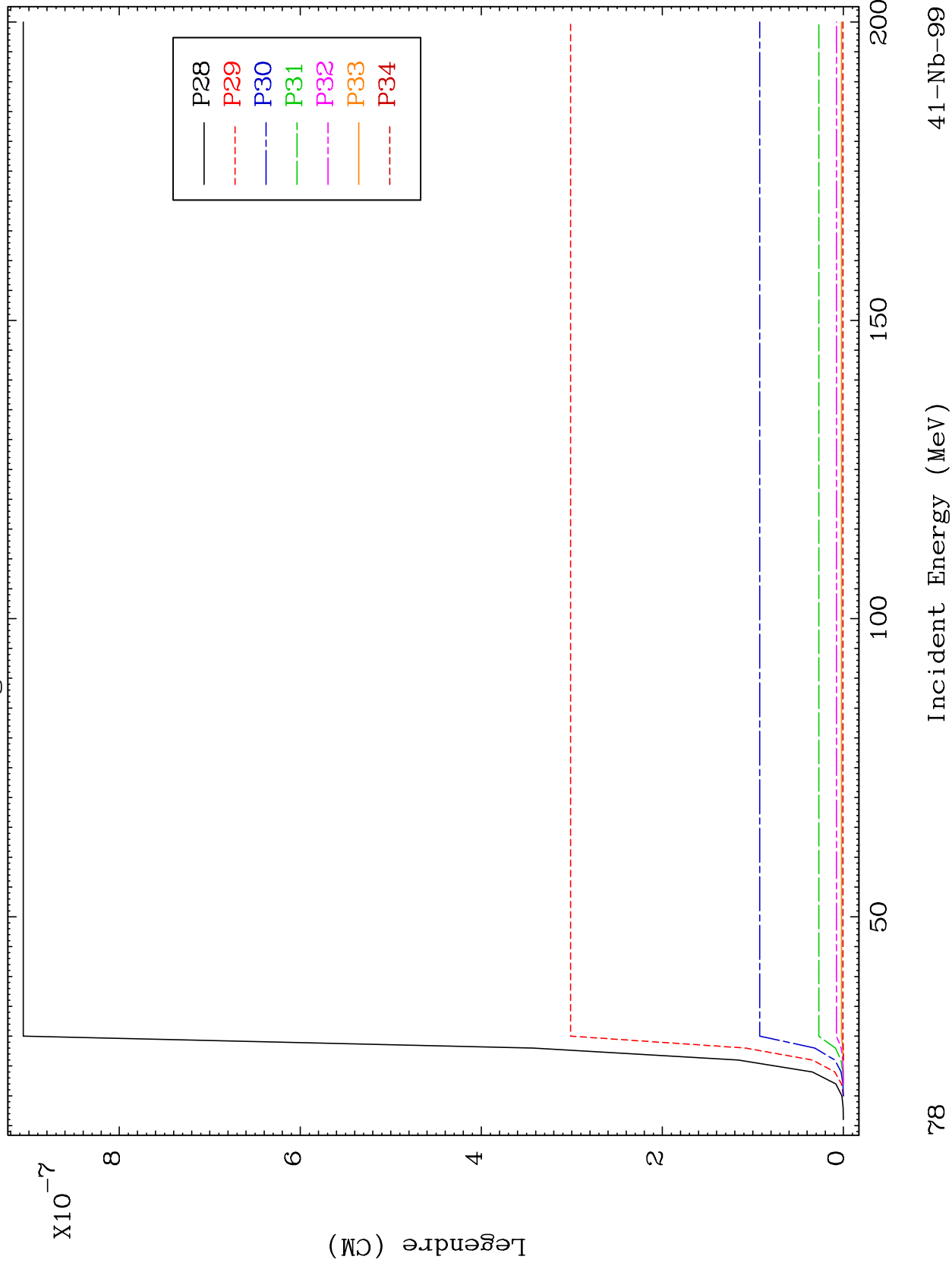
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



78

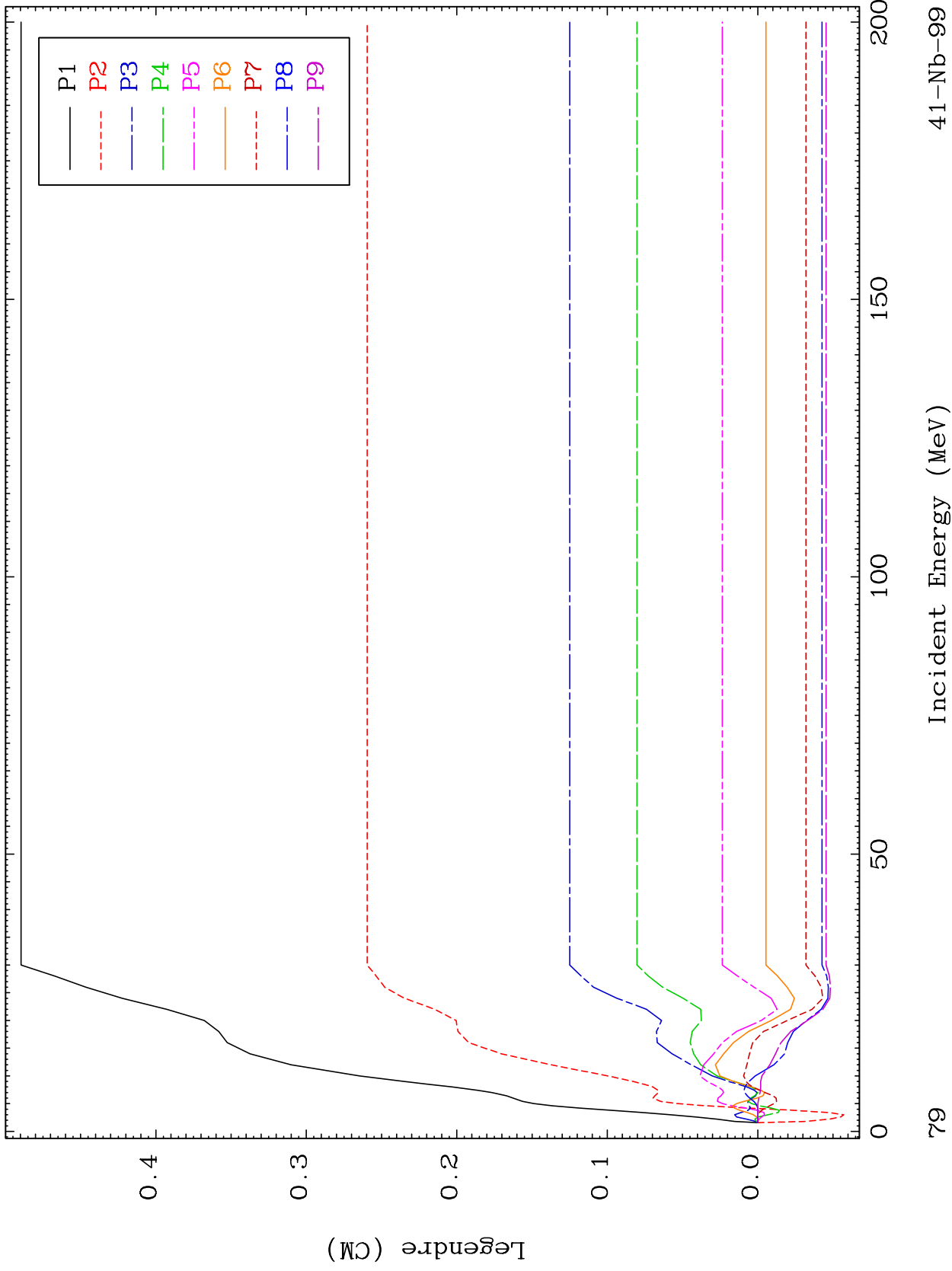
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



41-Nb-99

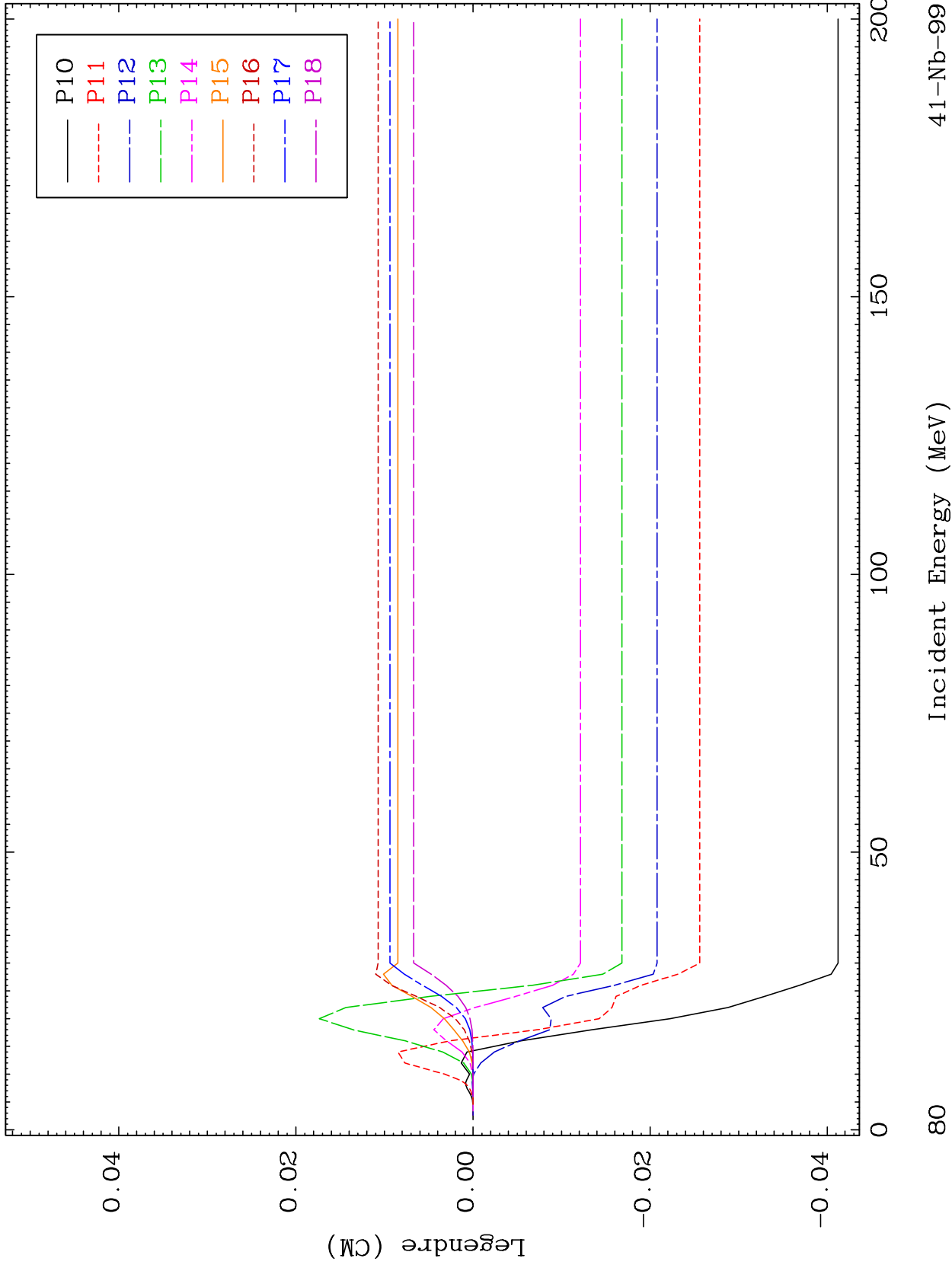
Incident Energy (MeV)

79

MAT 4143

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

41-Nb-99

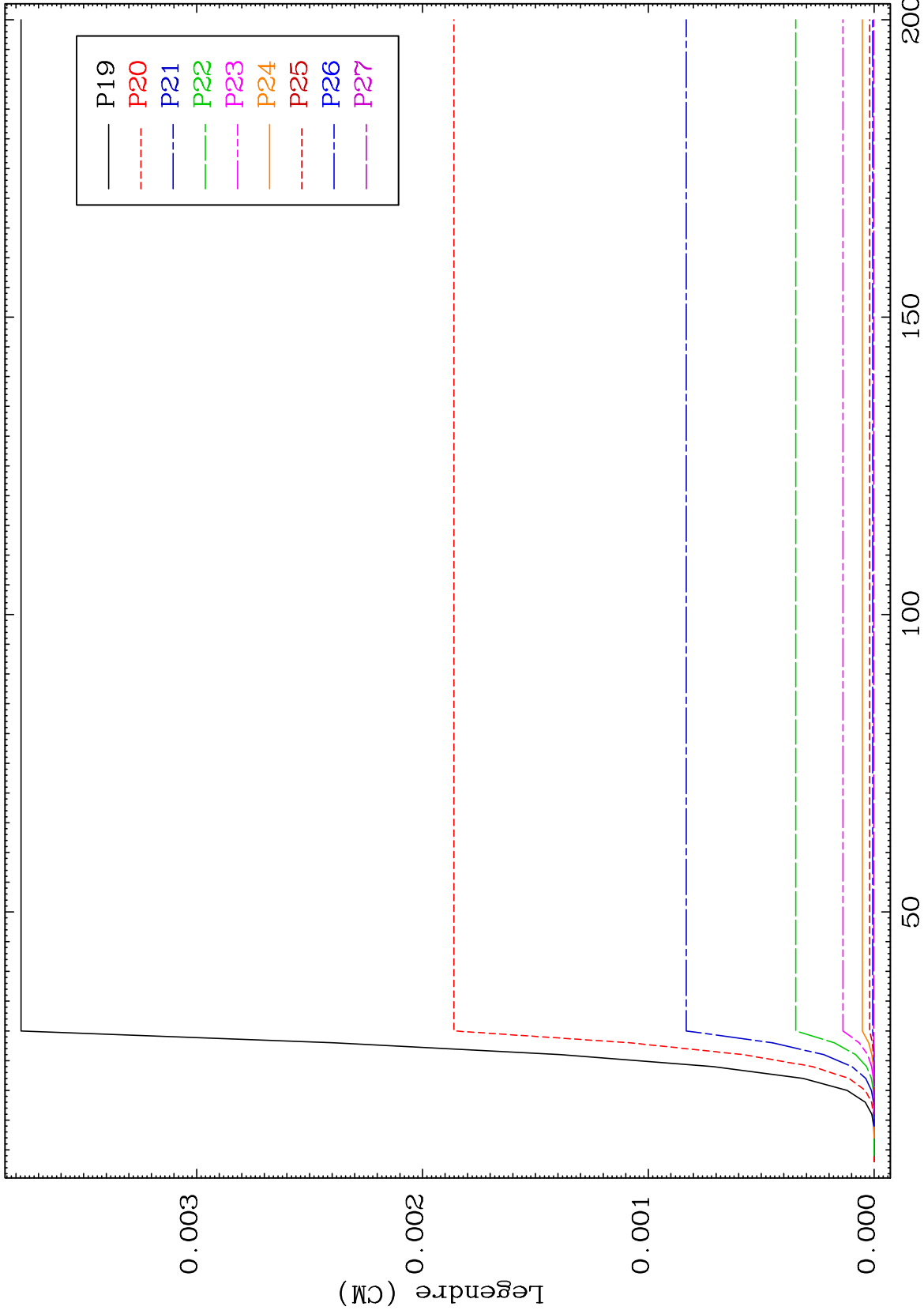


41-Nb-99

MAT 4143

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

41-Nb-99



81

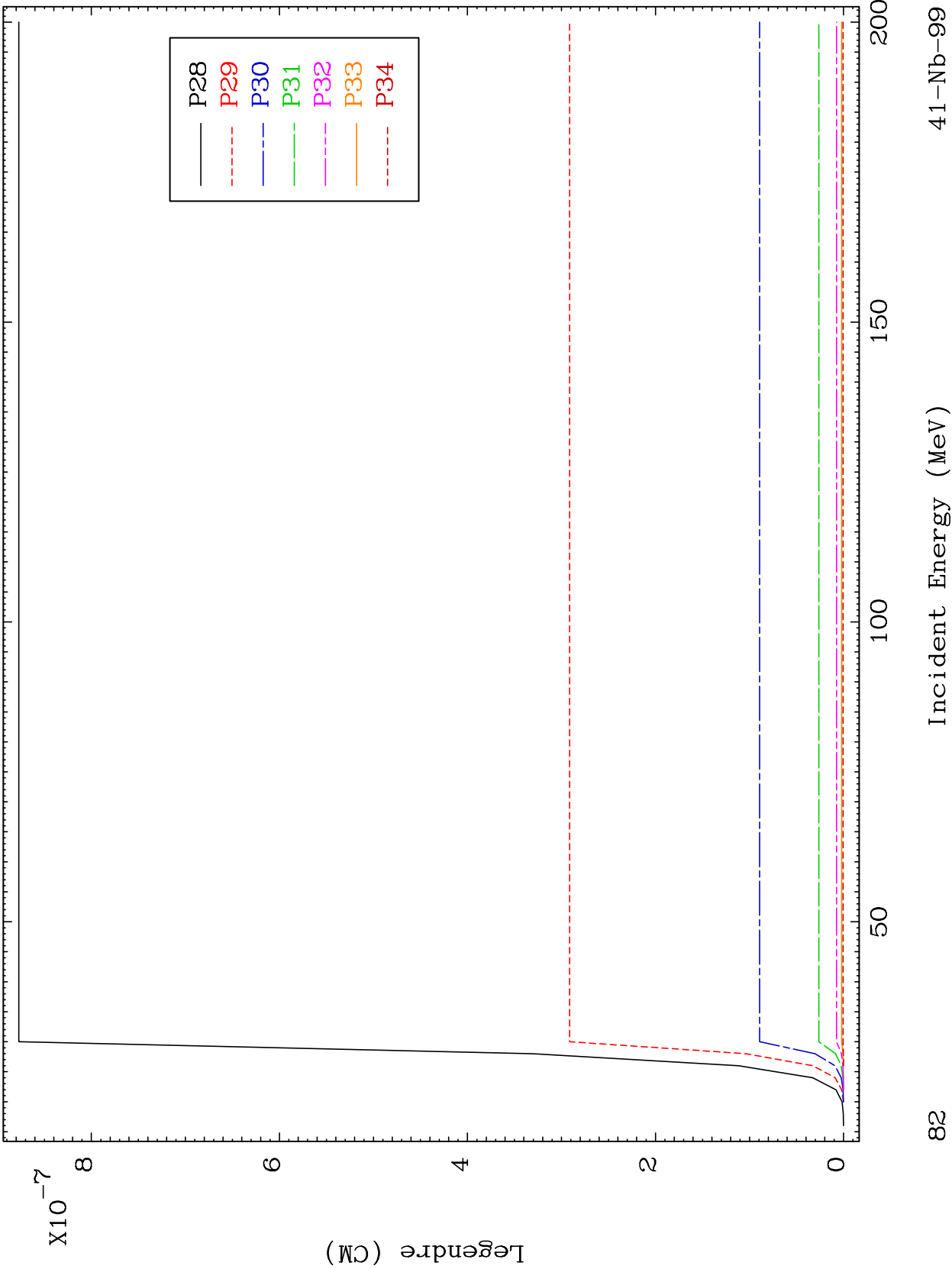
Incident Energy (MeV)

41-Nb-99

MAT 4143

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

41-Nb-99



82

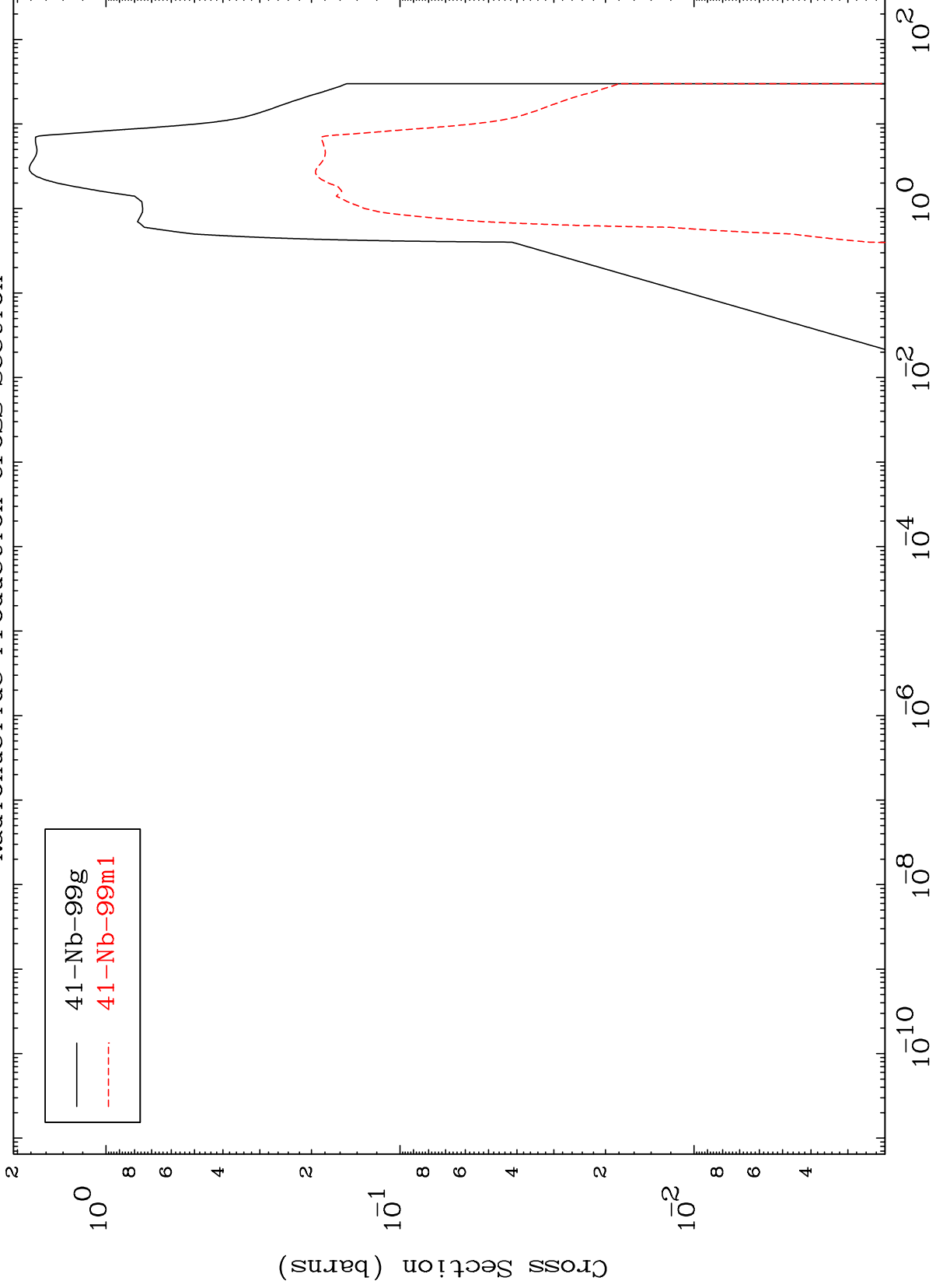
Incident Energy (MeV)

41-Nb-99

MAT 4143

Inelastic
Radionuclide Production Cross Section

41-Nb-99

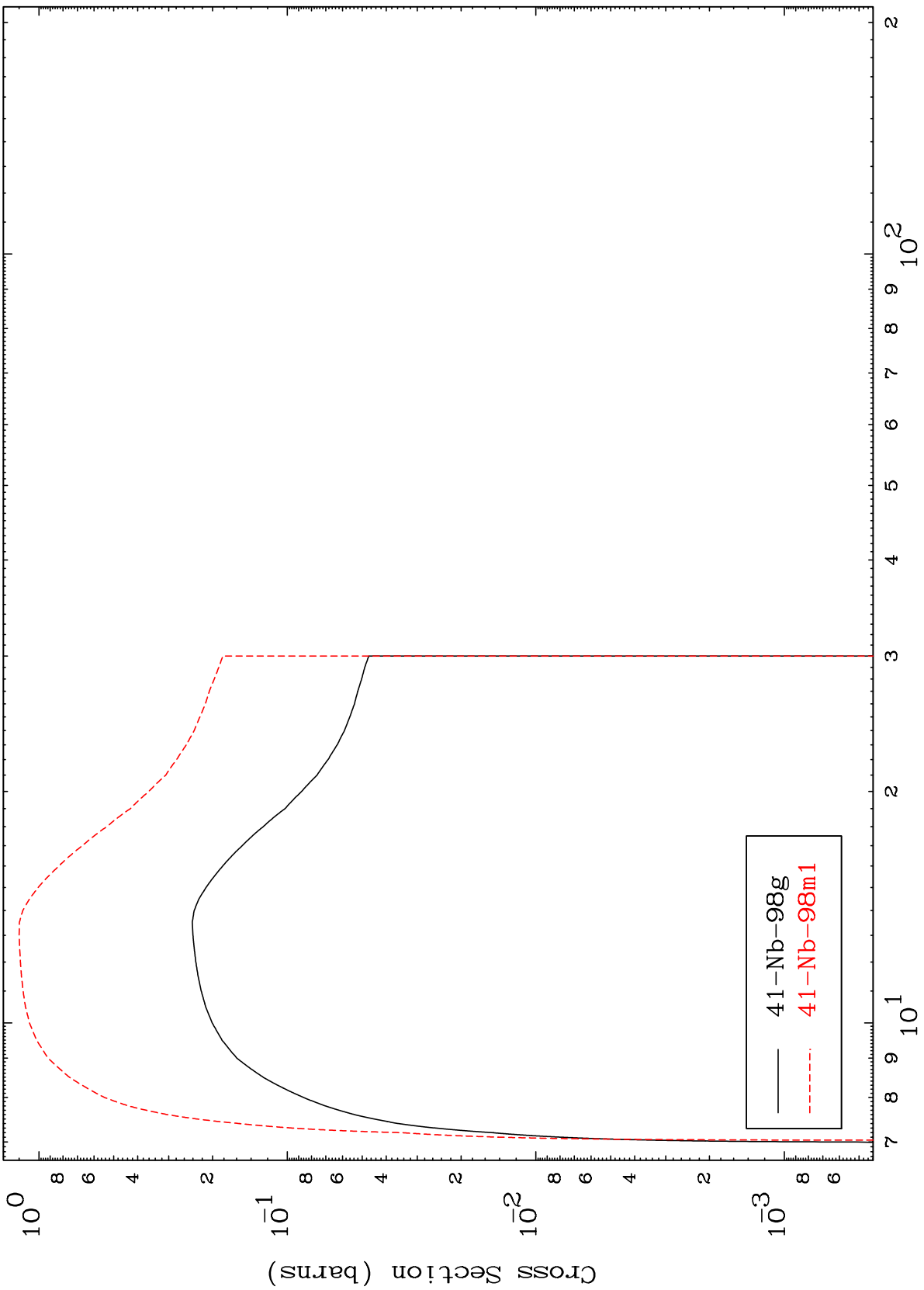


41-Nb-99g
41-Nb-99m1

MAT 4143

41-Nb-99

(n,2n)
Radionuclide Production Cross Section



41-Nb-98g
41-Nb-98m1

41-Nb-99

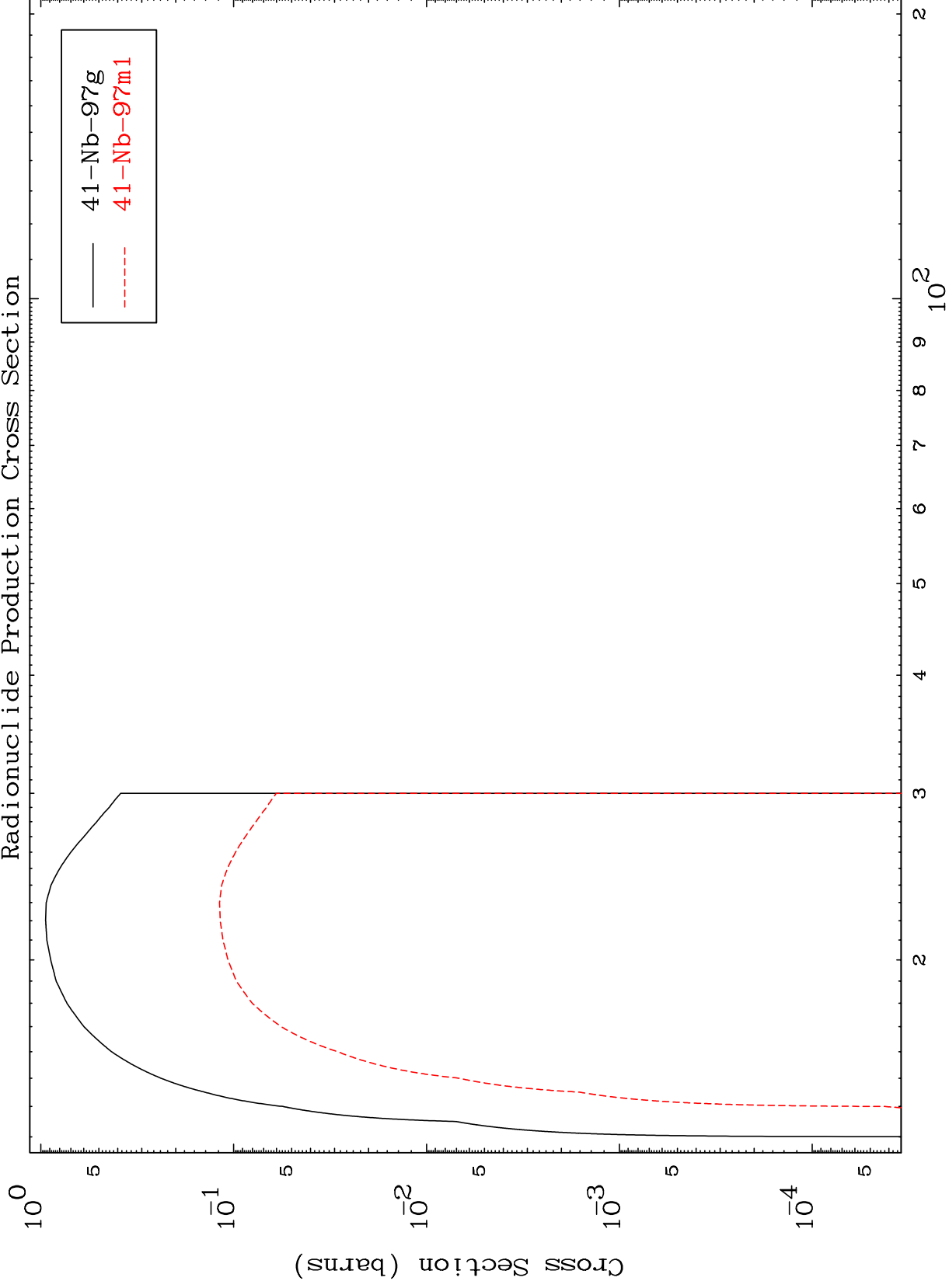
Incident Energy (MeV)

84

MAT 4143

41-Nb-99

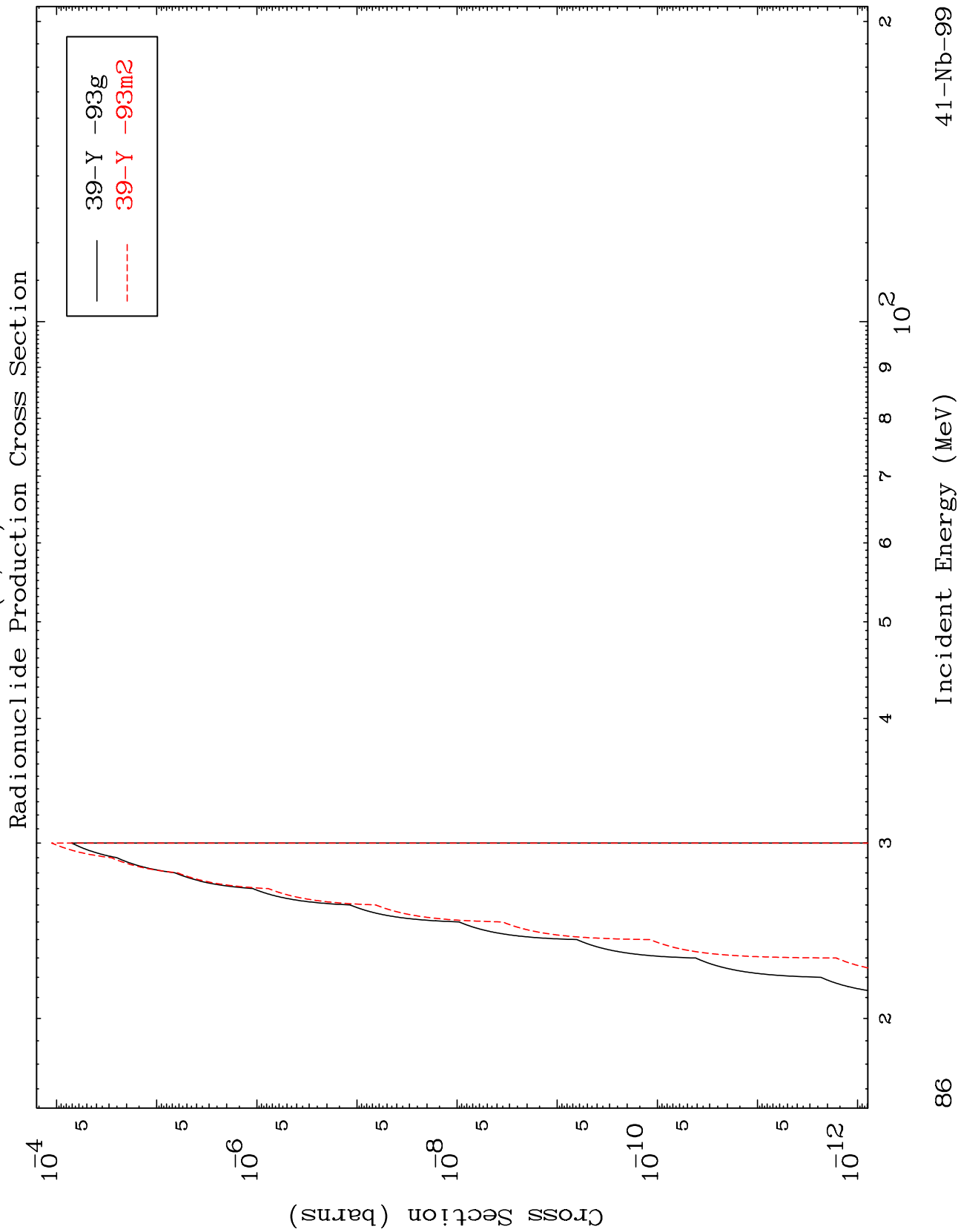
(n,3n)
Radionuclide Production Cross Section



85

Incident Energy (MeV)

41-Nb-99

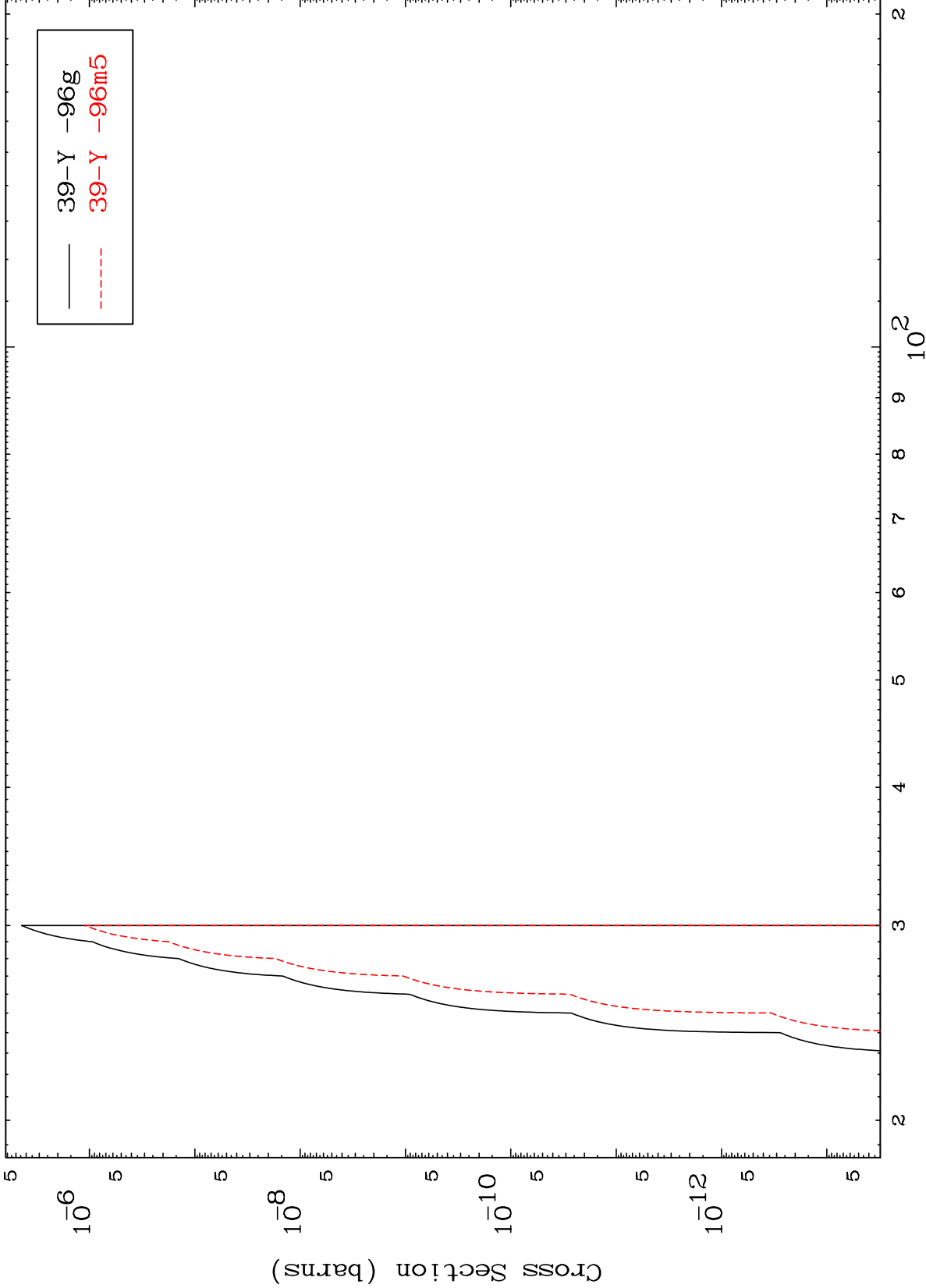


MAT 4143

(n,n') He-3

41-Nb-99

Radionuclide Production Cross Section

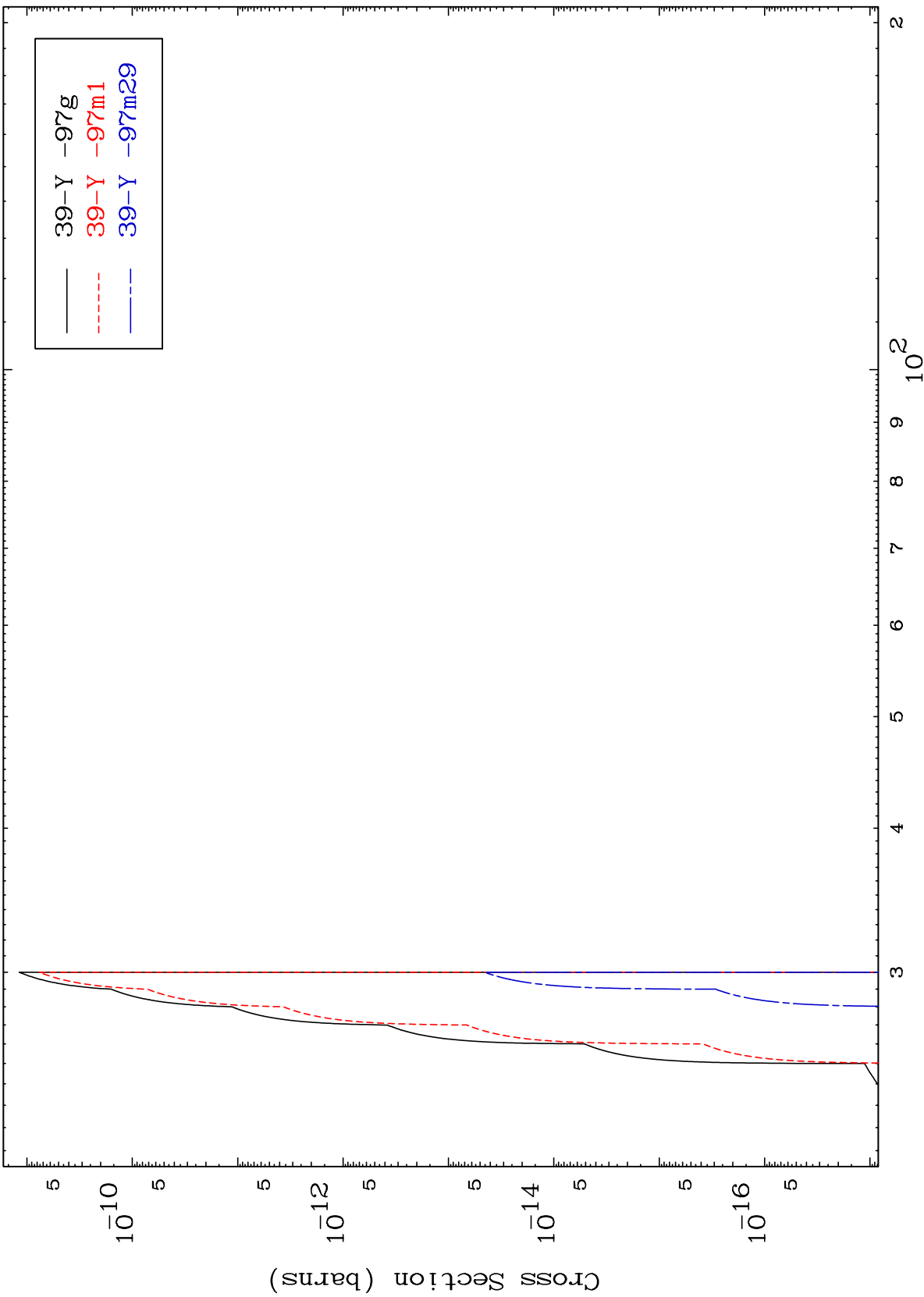


87

Incident Energy (MeV)

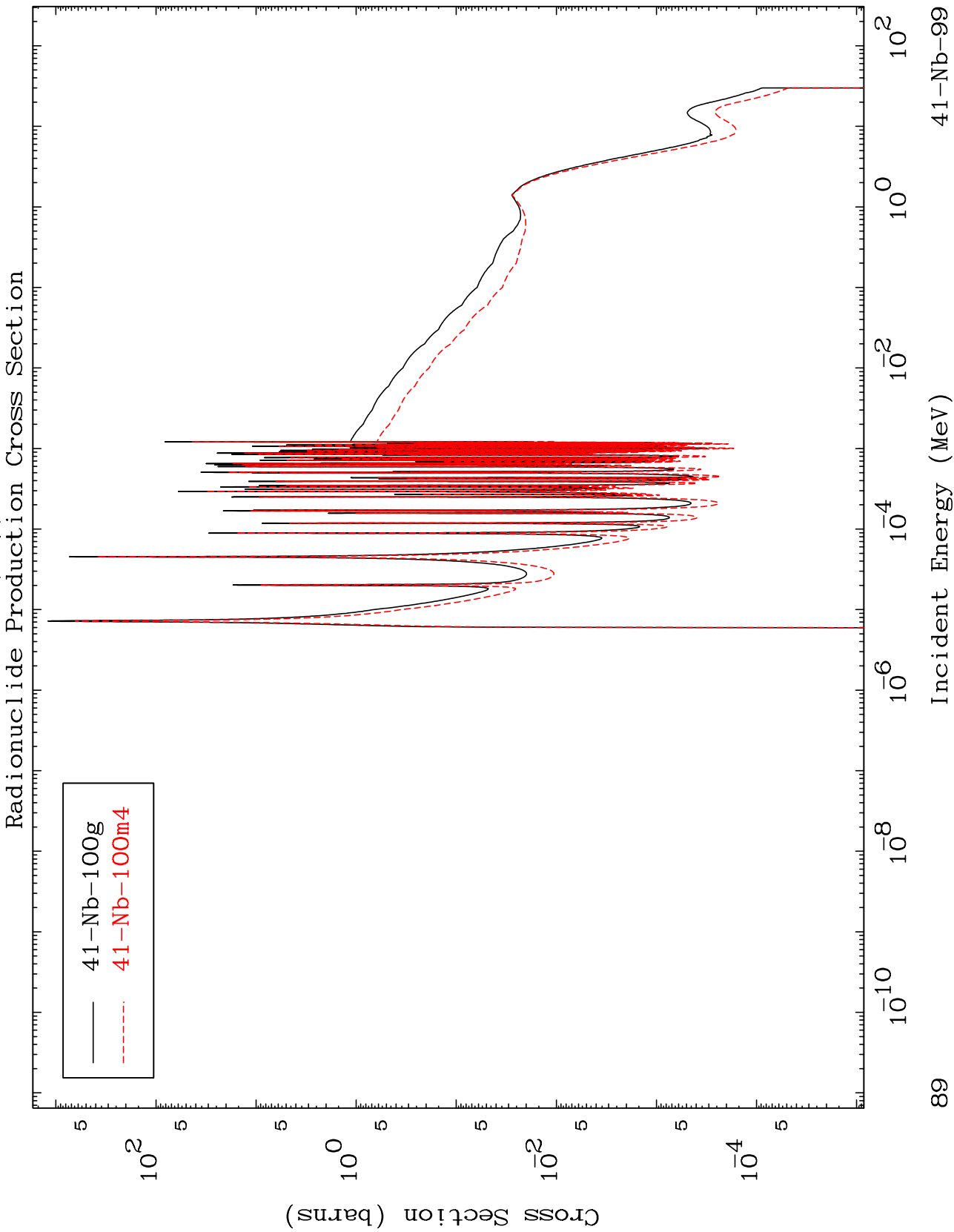
41-Nb-99

Radionuclide Production Cross Section



MAT 4143

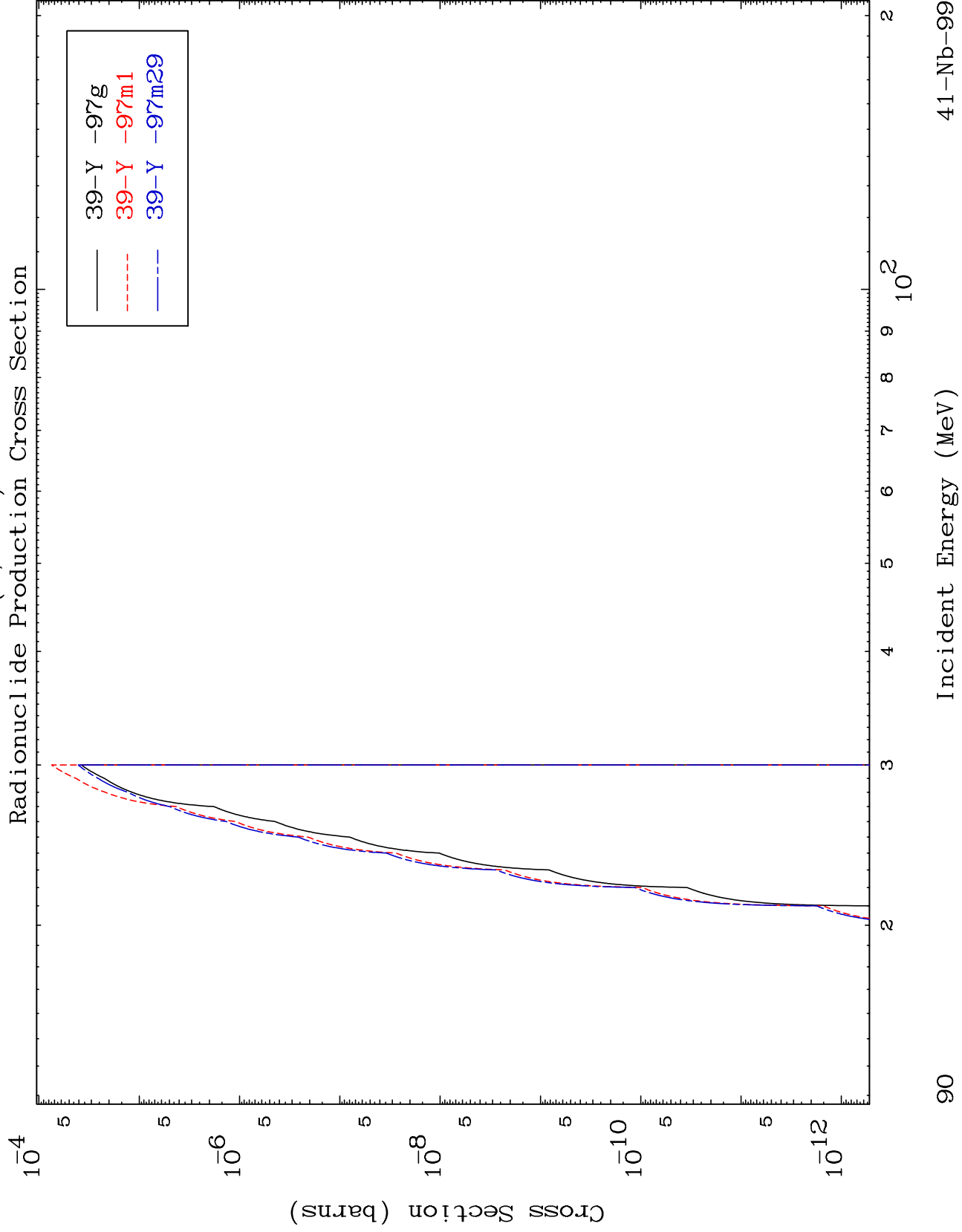
41-Nb-99



MAT 4143

(n,He-3)

41-Nb-99

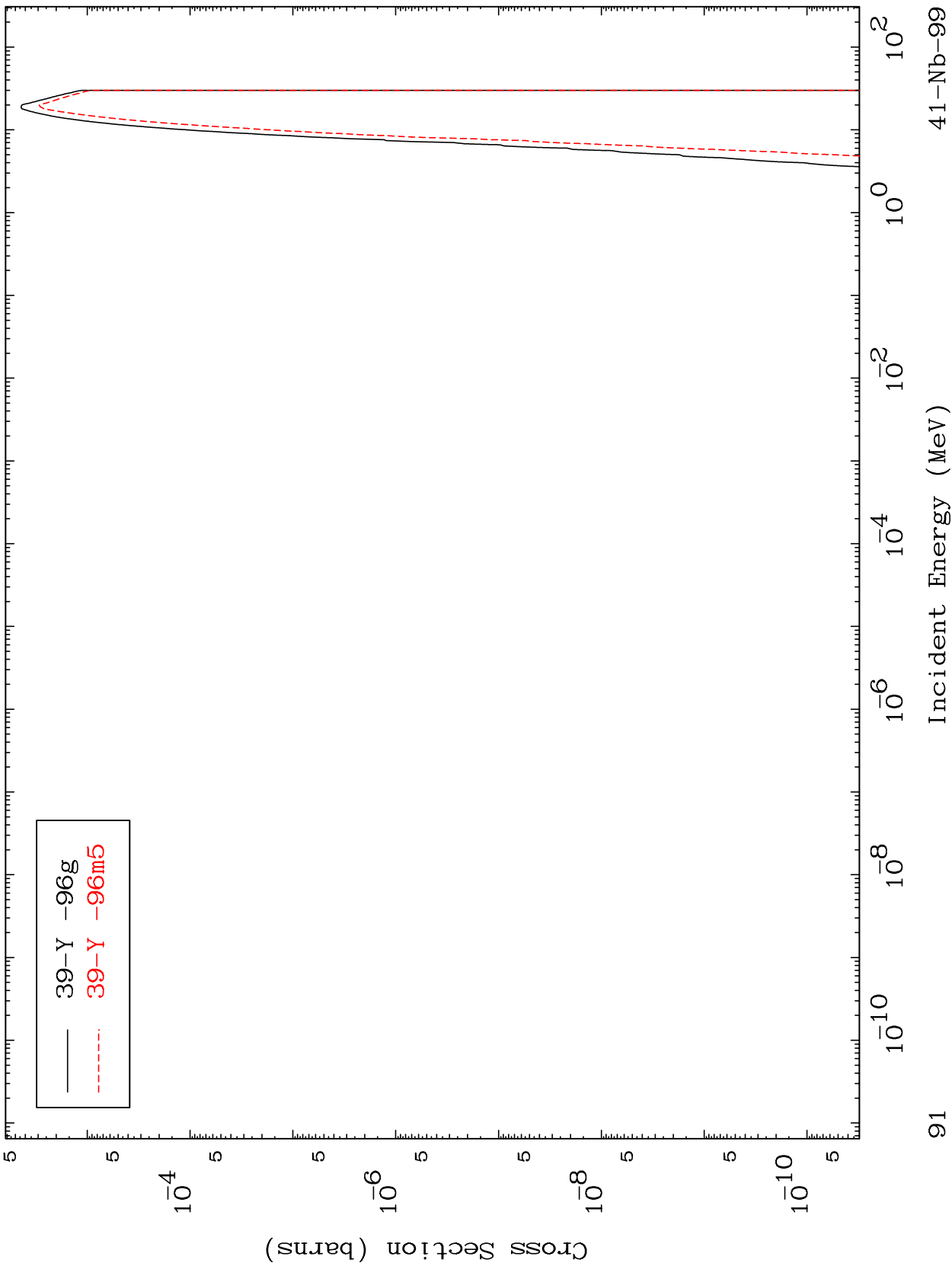


90

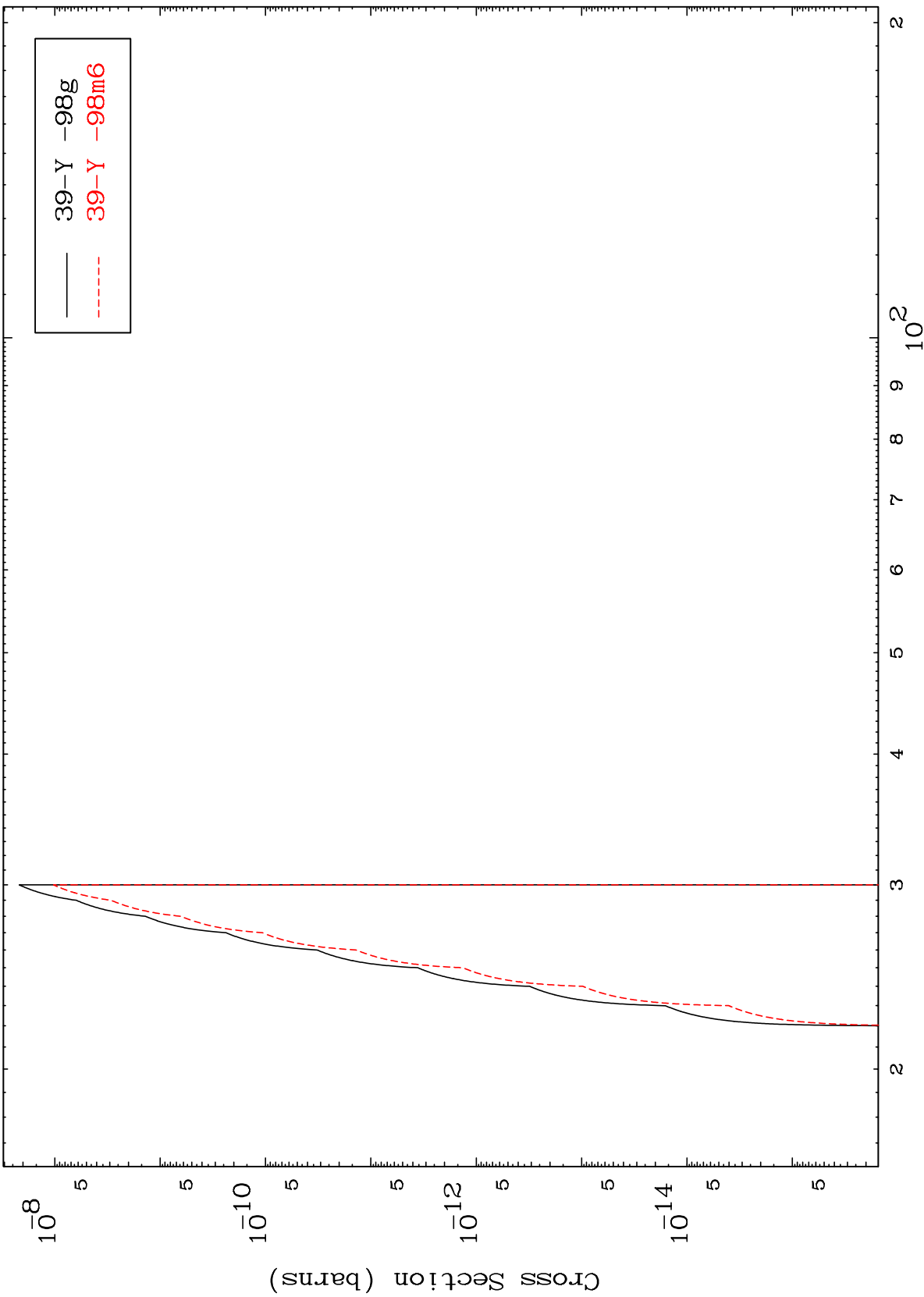
MAT 4143

41-Nb-99

(n, α)
Radionuclide Production Cross Section



(n,2p)
Radionuclide Production Cross Section



39-Y -98g
39-Y -98m6