

Program EVALPLOT
(Version 2015-2)

by

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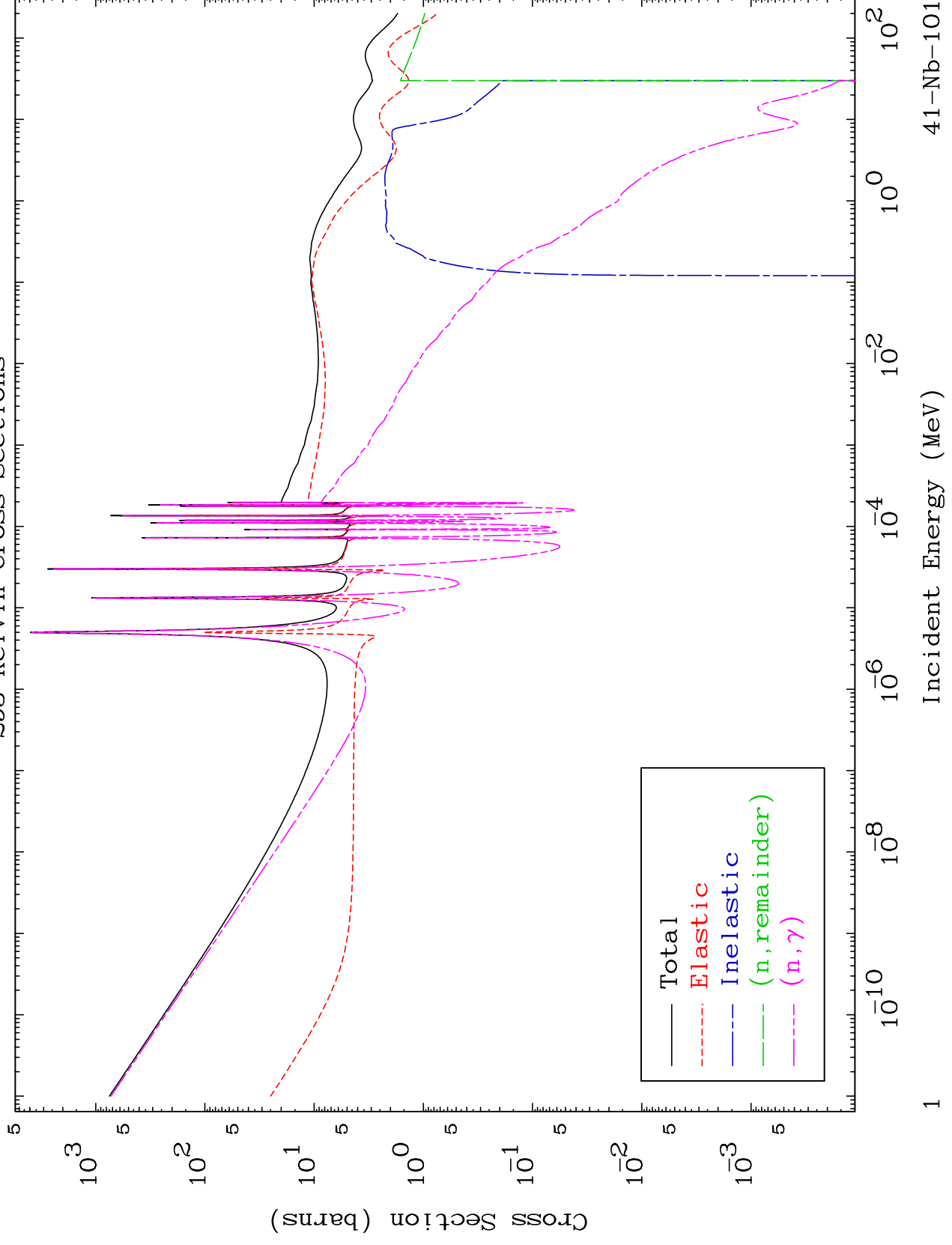
Press Mouse Button to Start

MAT 4149

Major

293 Kelvin Cross Sections

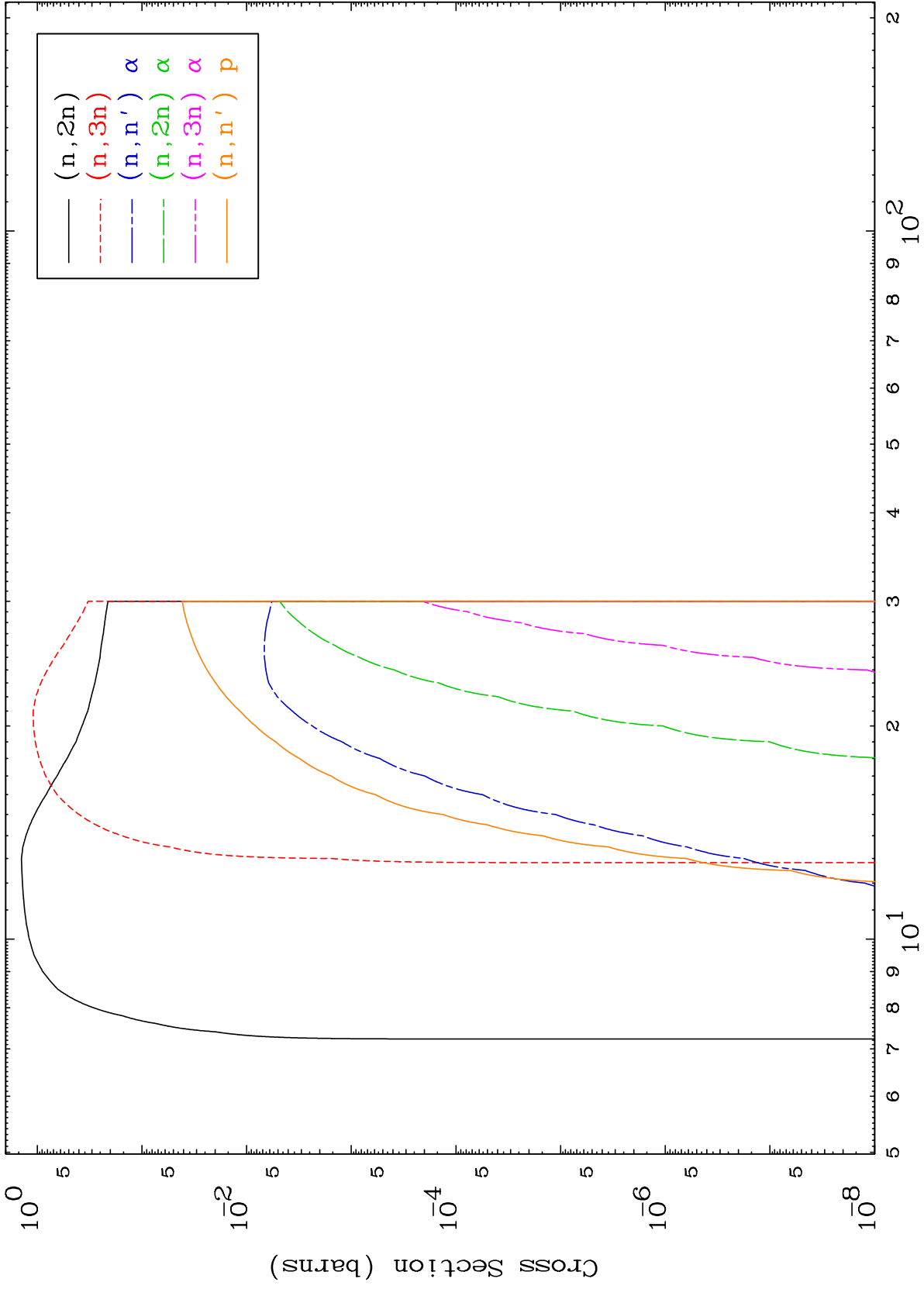
41-Nb-101



MAT 4149

Neutron Production
293 Kelvin Cross Sections

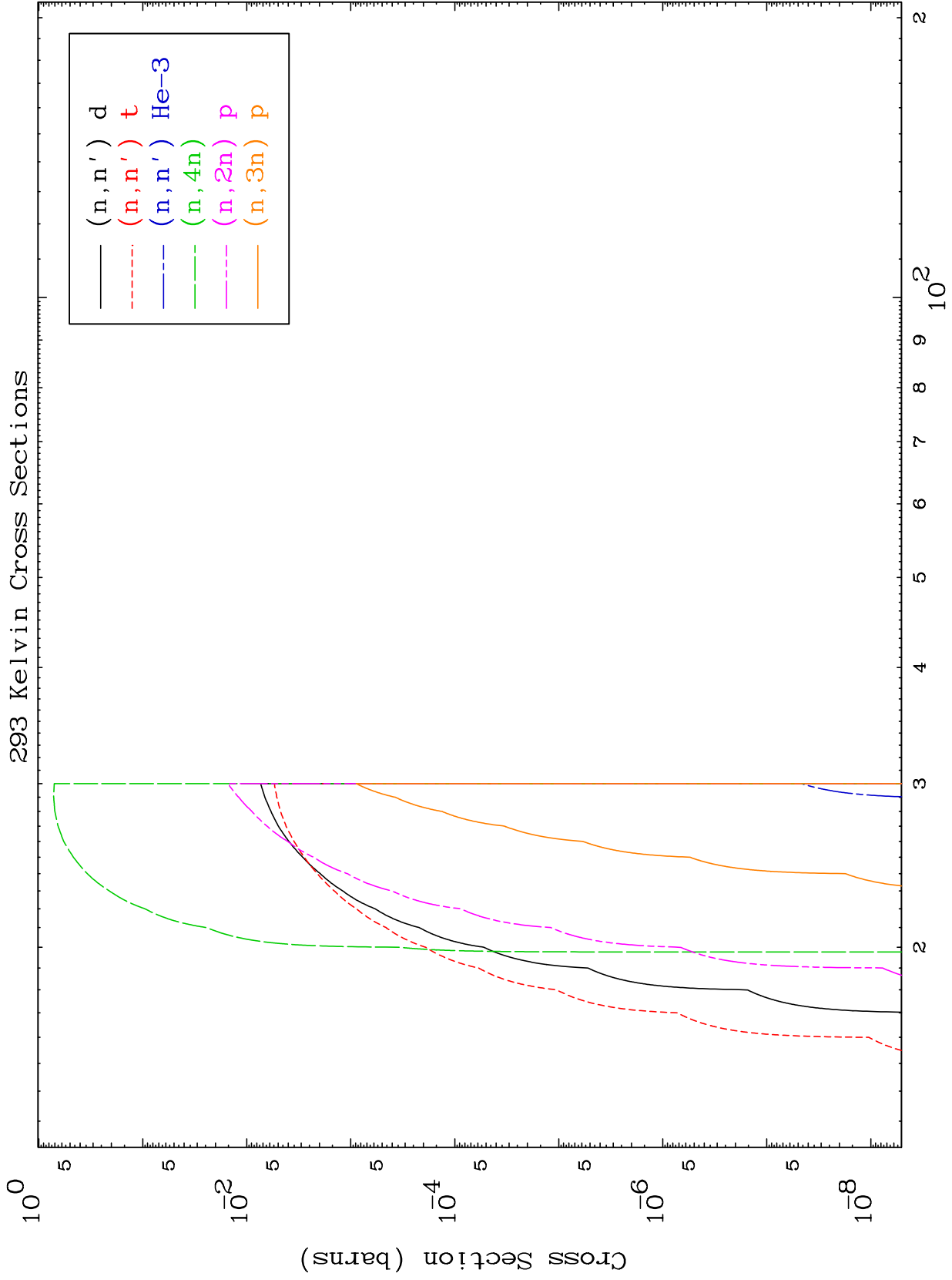
41-Nb-101

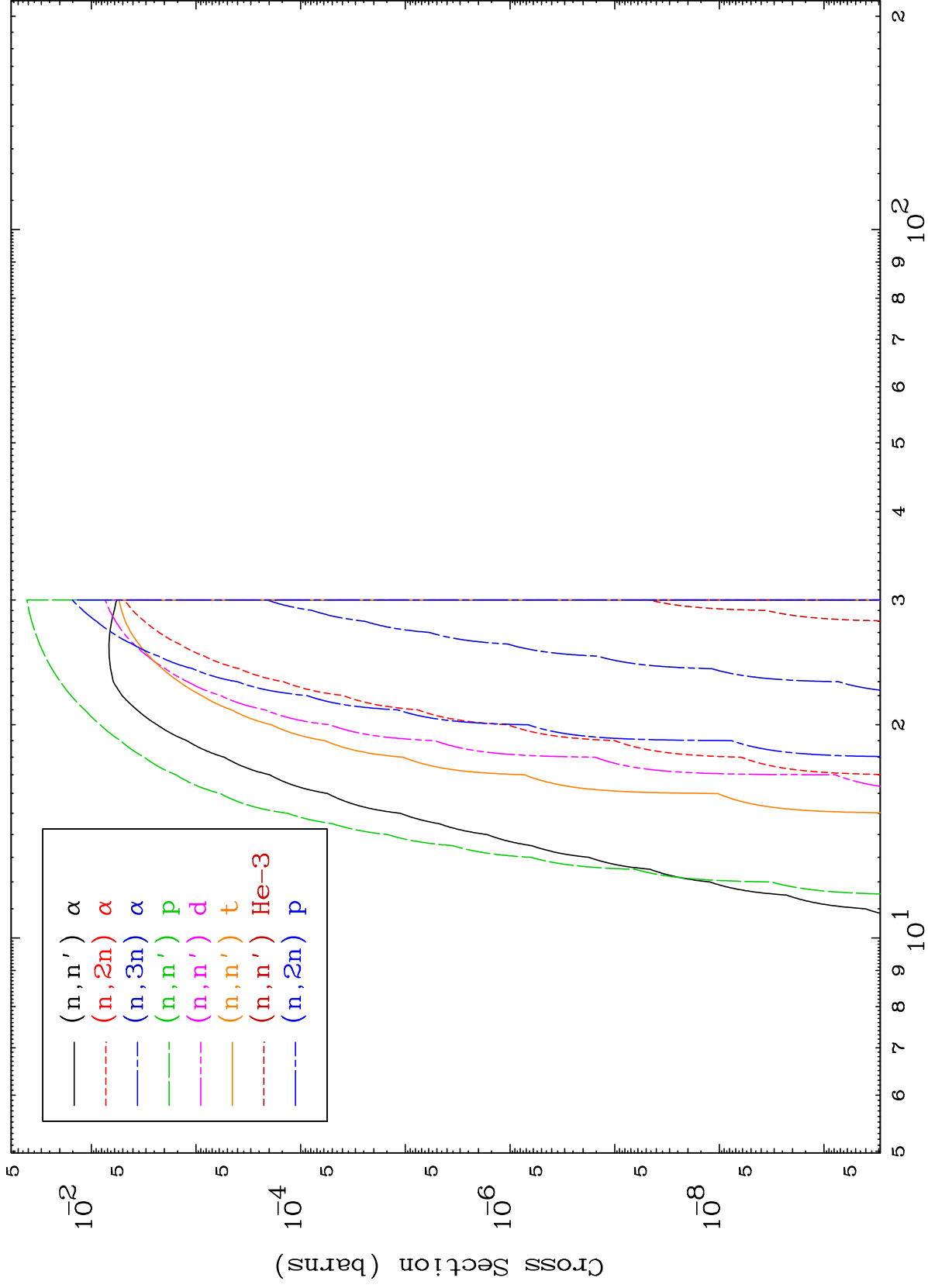


2

Incident Energy (MeV)

41-Nb-101

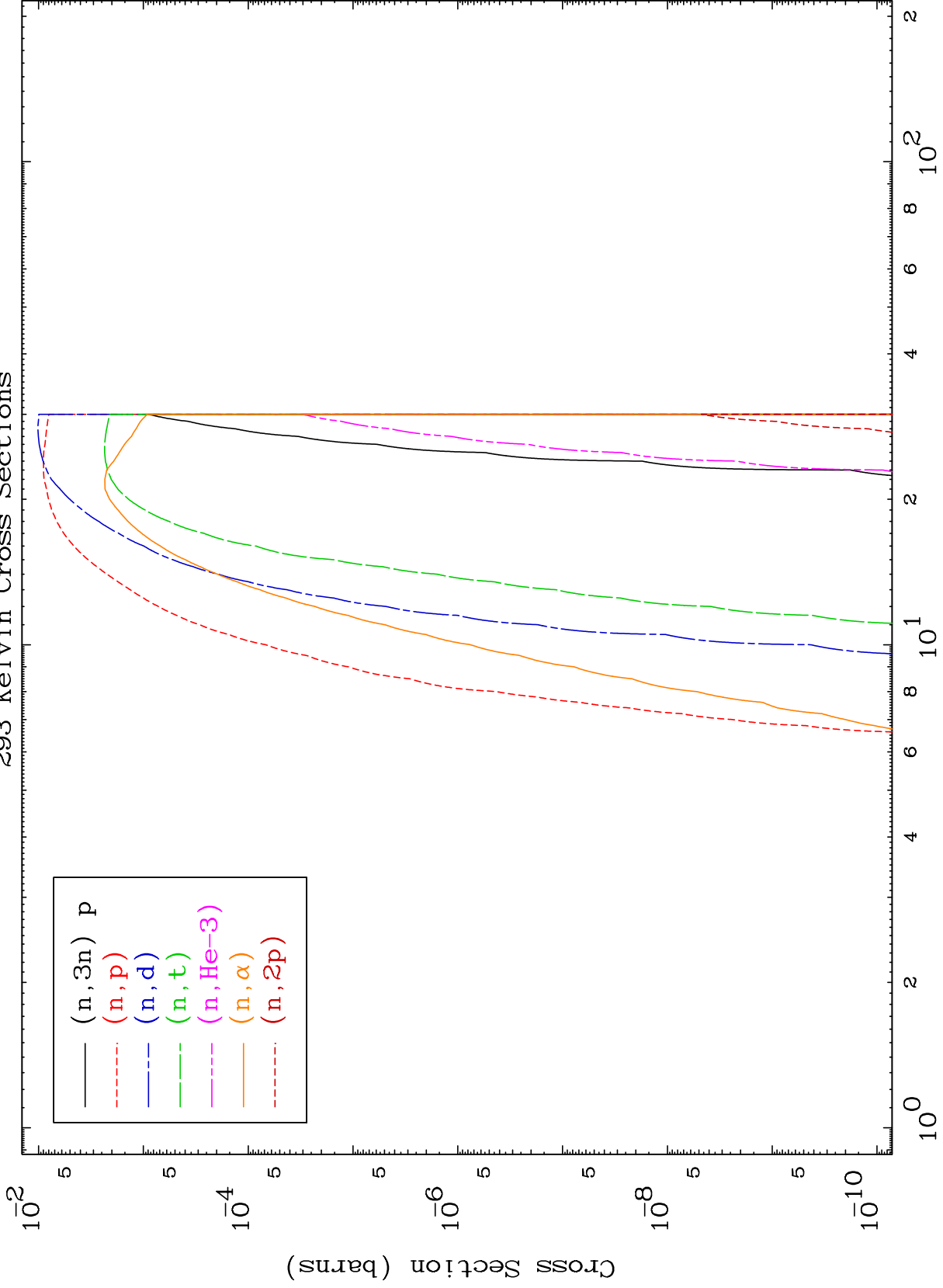




MAT 4149

Charged Particle
293 Kelvin Cross Sections

41-Nb-101



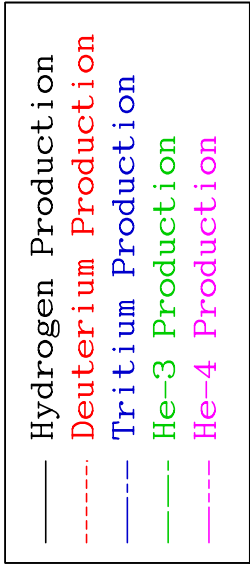
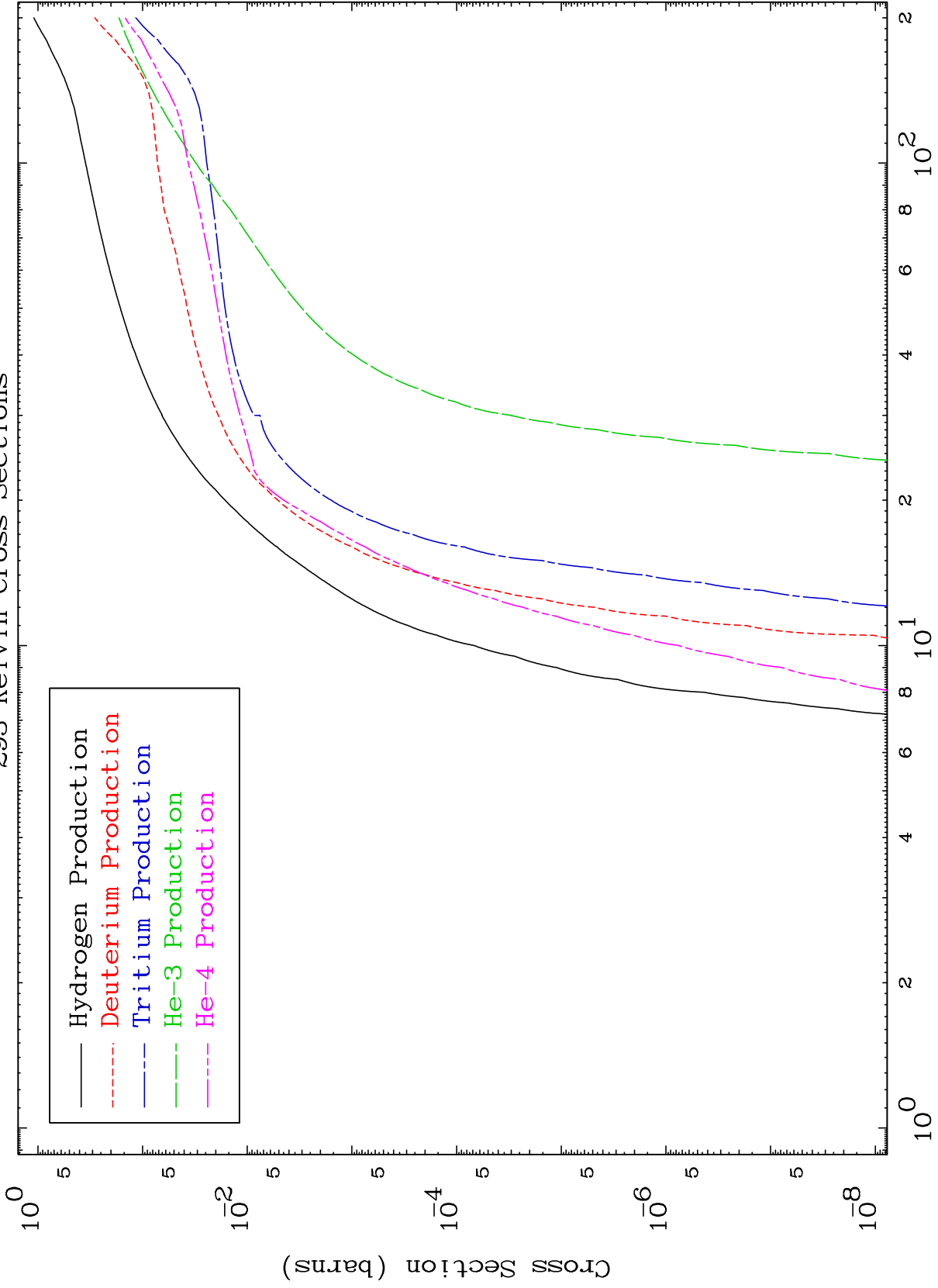
Incident Energy (MeV)

41-Nb-101

MAT 4149

Particle Production
293 Kelvin Cross Sections

41-Nb-101



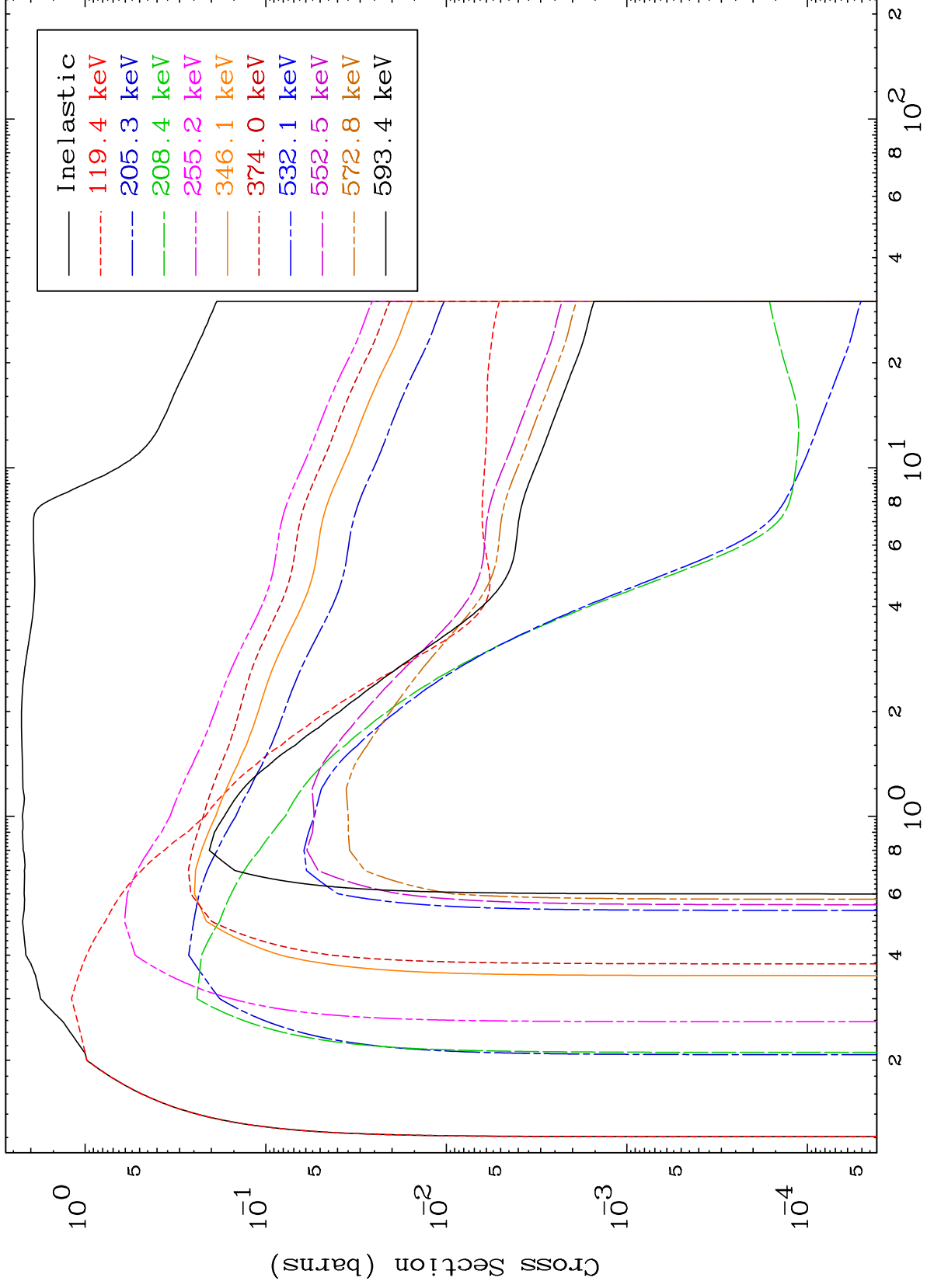
Incident Energy (MeV)

41-Nb-101

MAT 4149

(n,n') Level
293 Kelvin Cross Sections

41-Nb-101



7

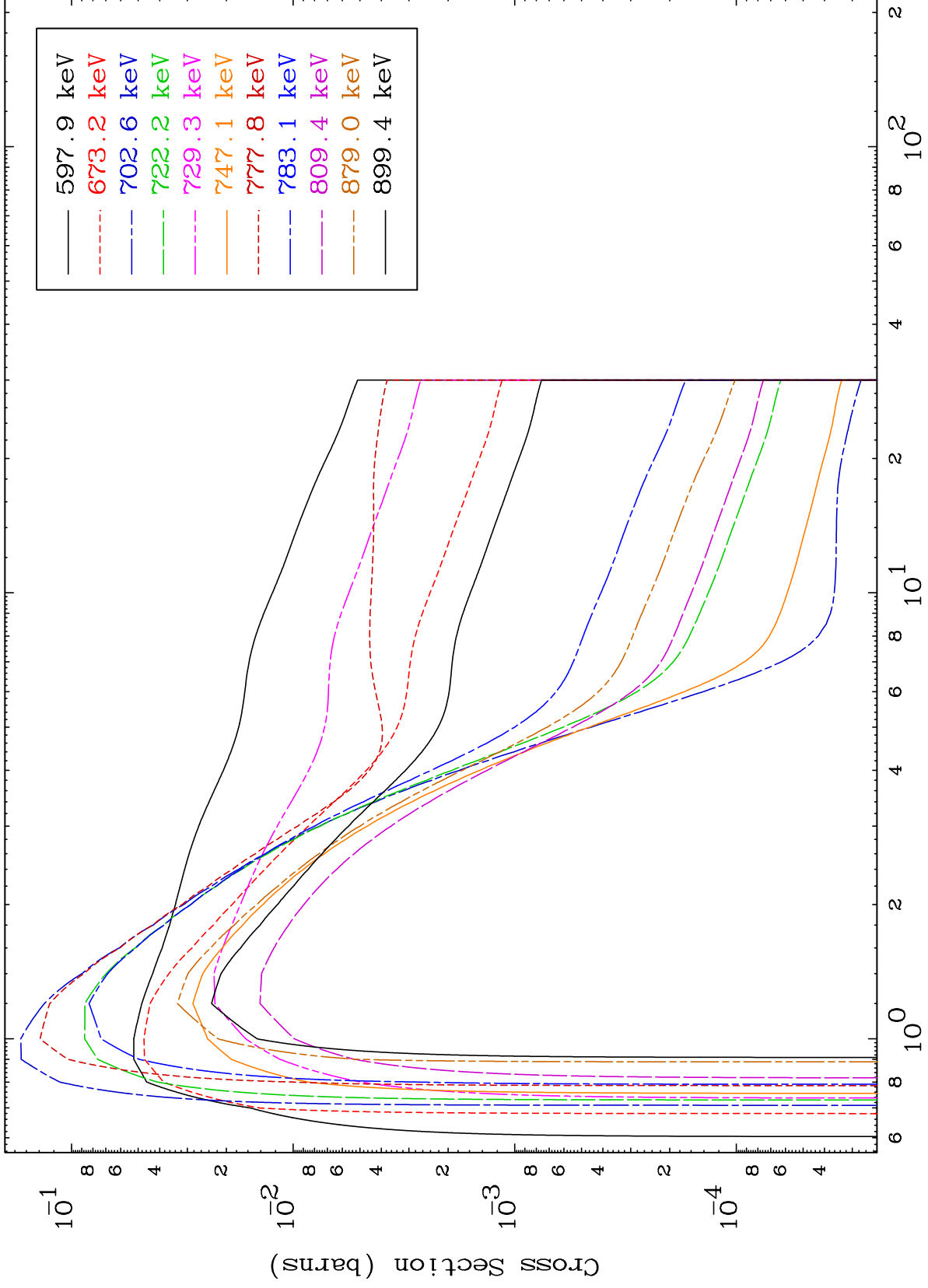
Incident Energy (MeV)

41-Nb-101

MAT 4149

(n,n') Level
293 Kelvin Cross Sections

41-Nb-101



8

Incident Energy (MeV)

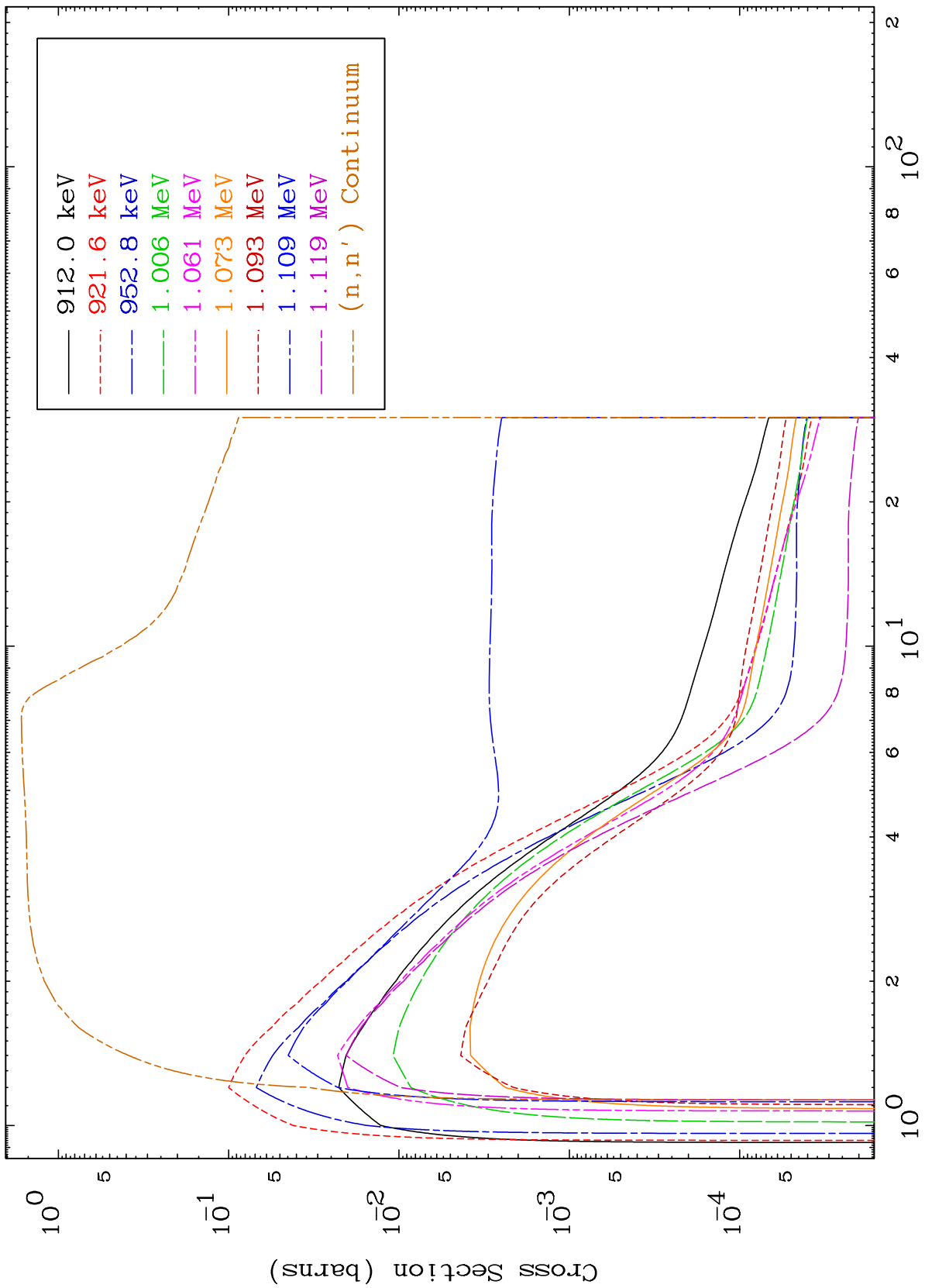
41-Nb-101

MAT 4149

(n,n') Level

41-Nb-101

293 Kelvin Cross Sections



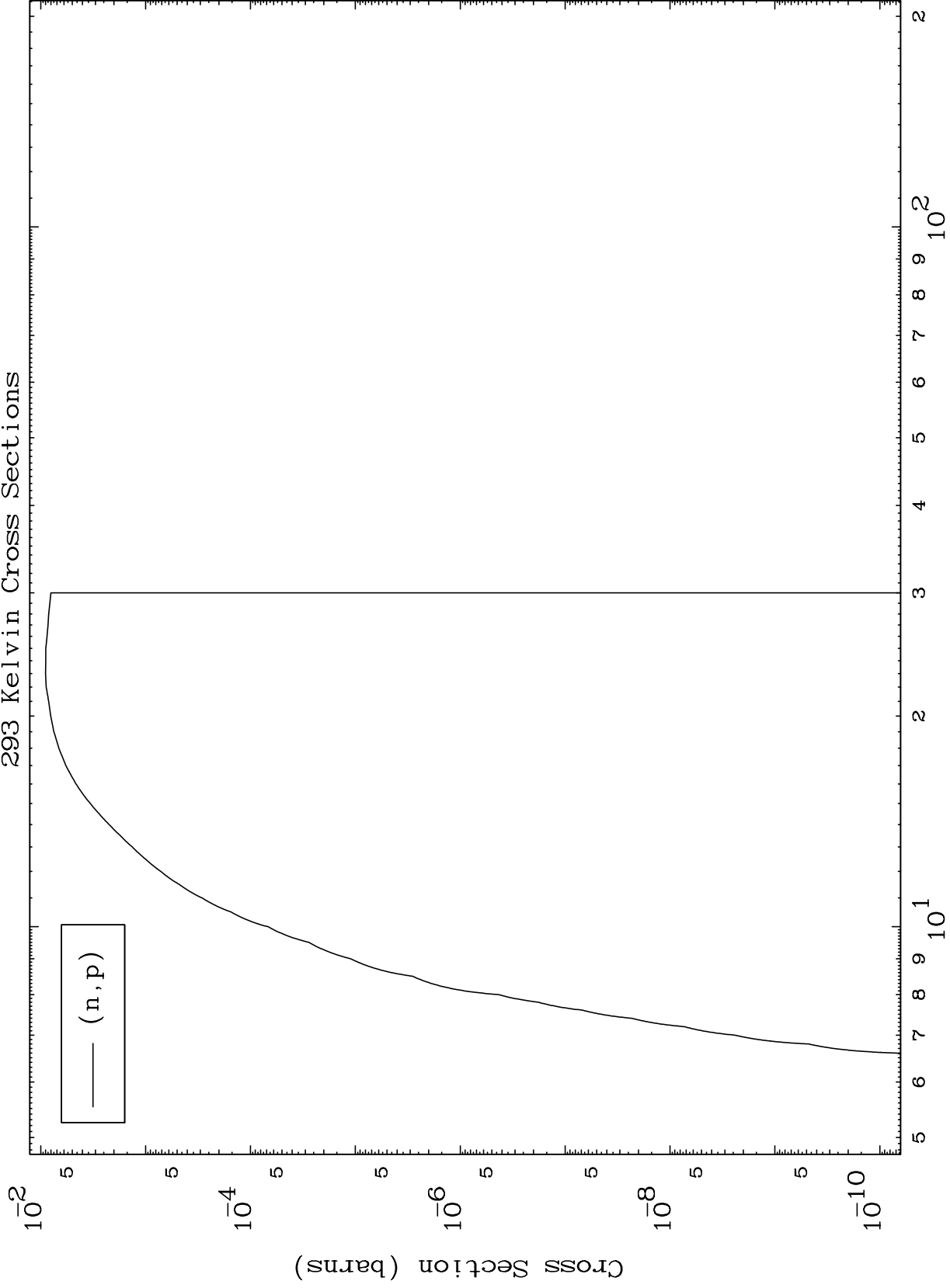
Incident Energy (MeV)

41-Nb-101

MAT 4149

41-Nb-101

(n,p) Levels
293 Kelvin Cross Sections



41-Nb-101

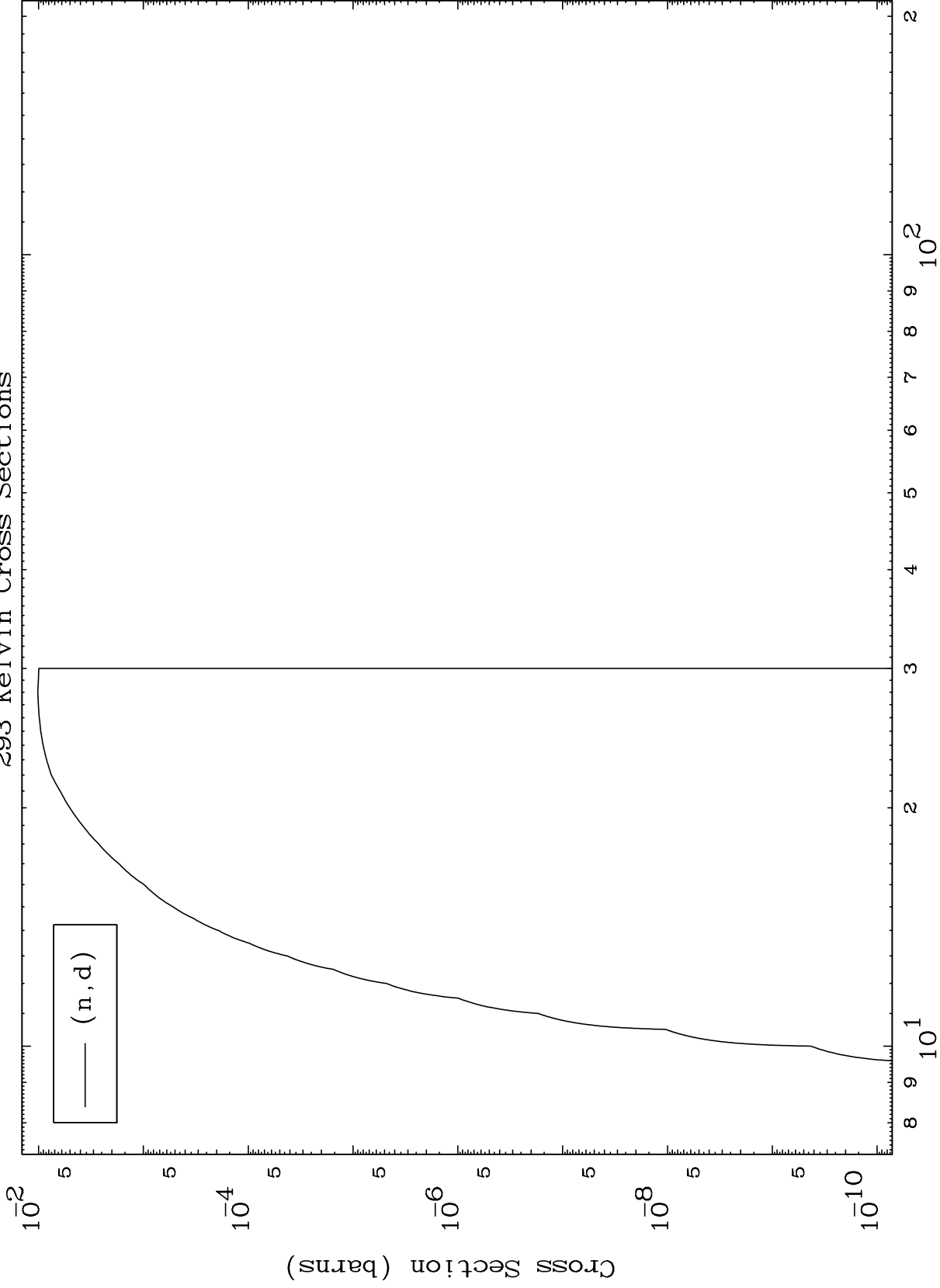
Incident Energy (MeV)

10

MAT 4149

(n,d) Levels
293 Kelvin Cross Sections

41-Nb-101



11

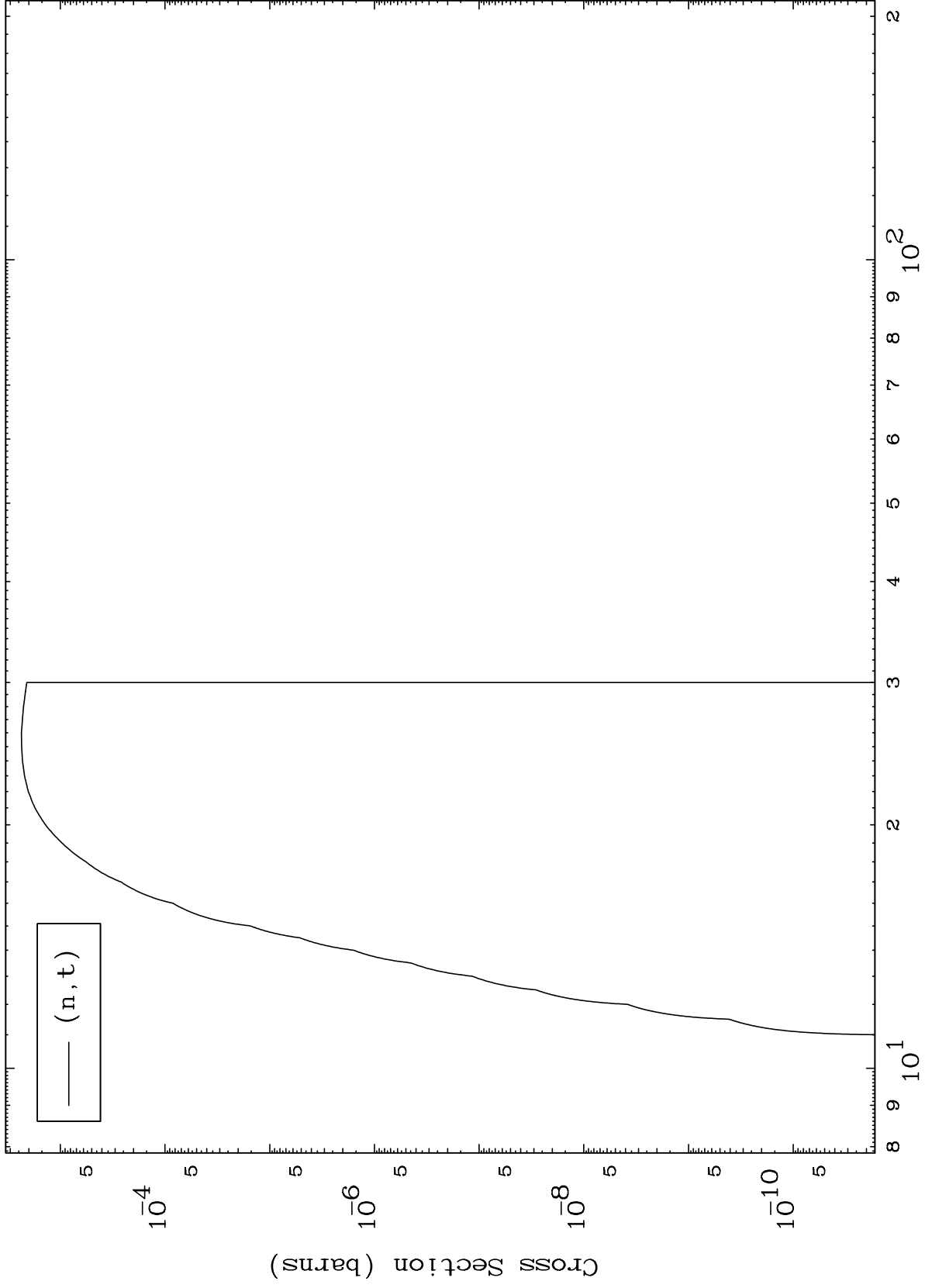
Incident Energy (MeV)

41-Nb-101

MAT 4149

(n,t) Levels
293 Kelvin Cross Sections

41-Nb-101



12

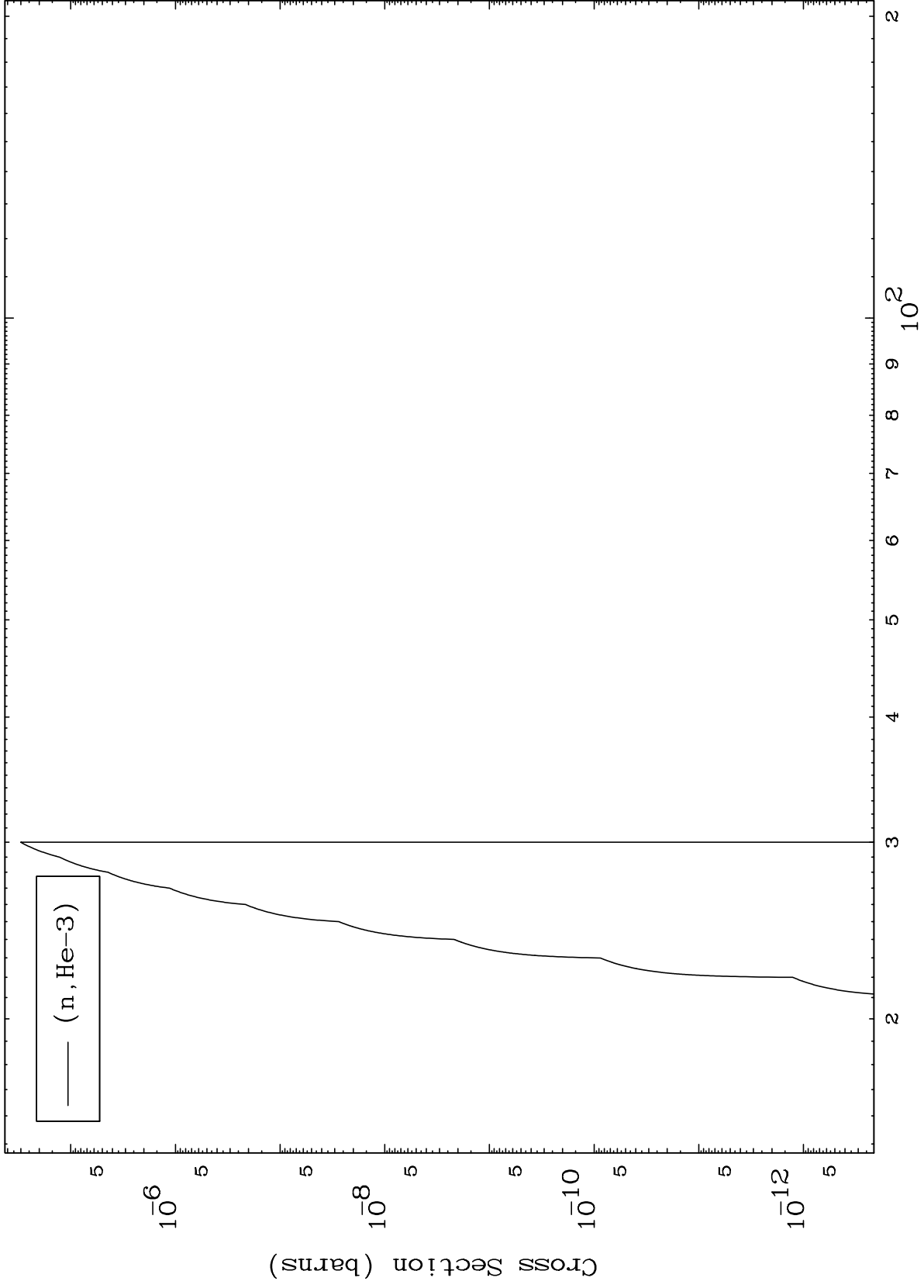
Incident Energy (MeV)

41-Nb-101

MAT 4149

(n,He3) Levels
293 Kelvin Cross Sections

41-Nb-101



13

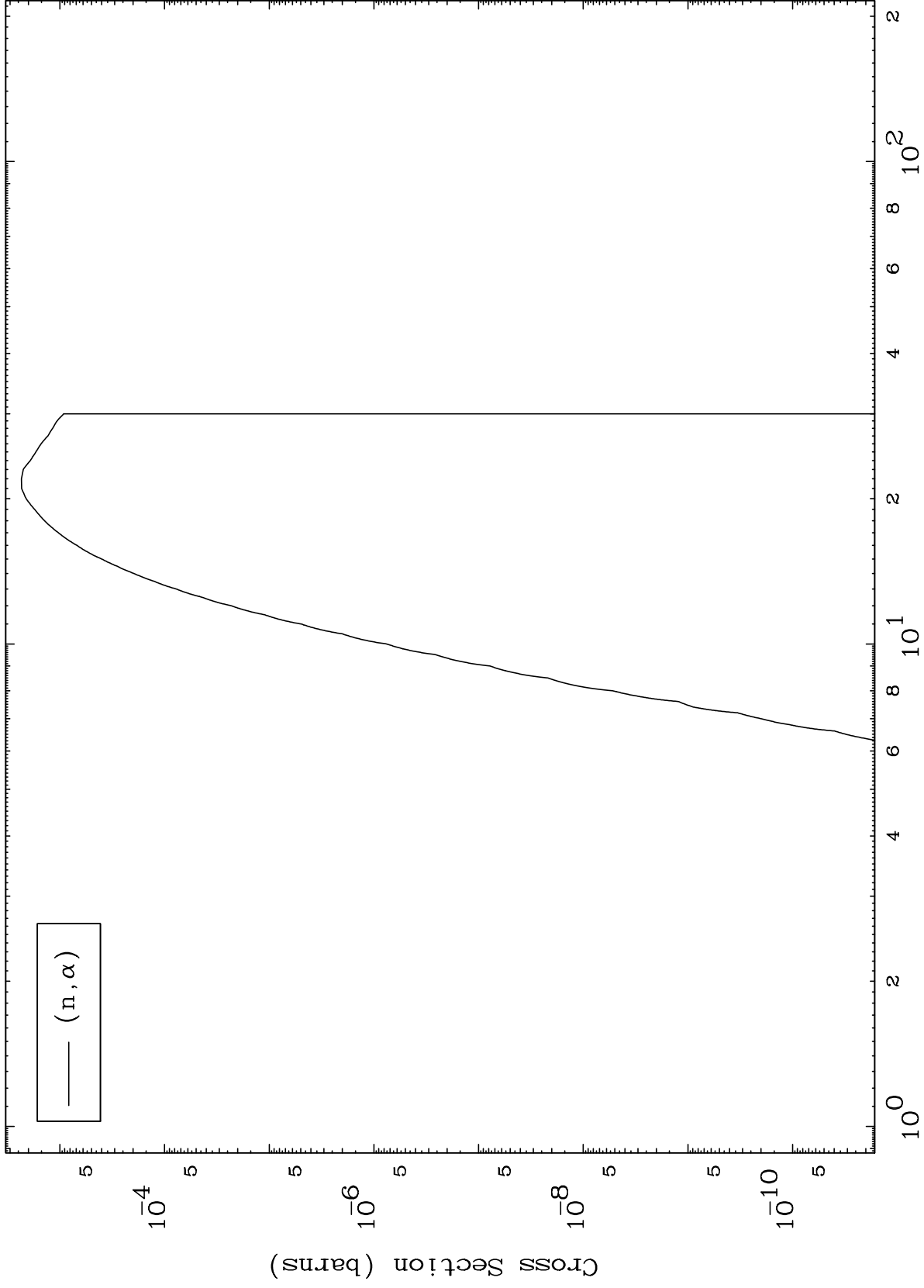
Incident Energy (MeV)

41-Nb-101

MAT 4149

(n, α) Levels
293 Kelvin Cross Sections

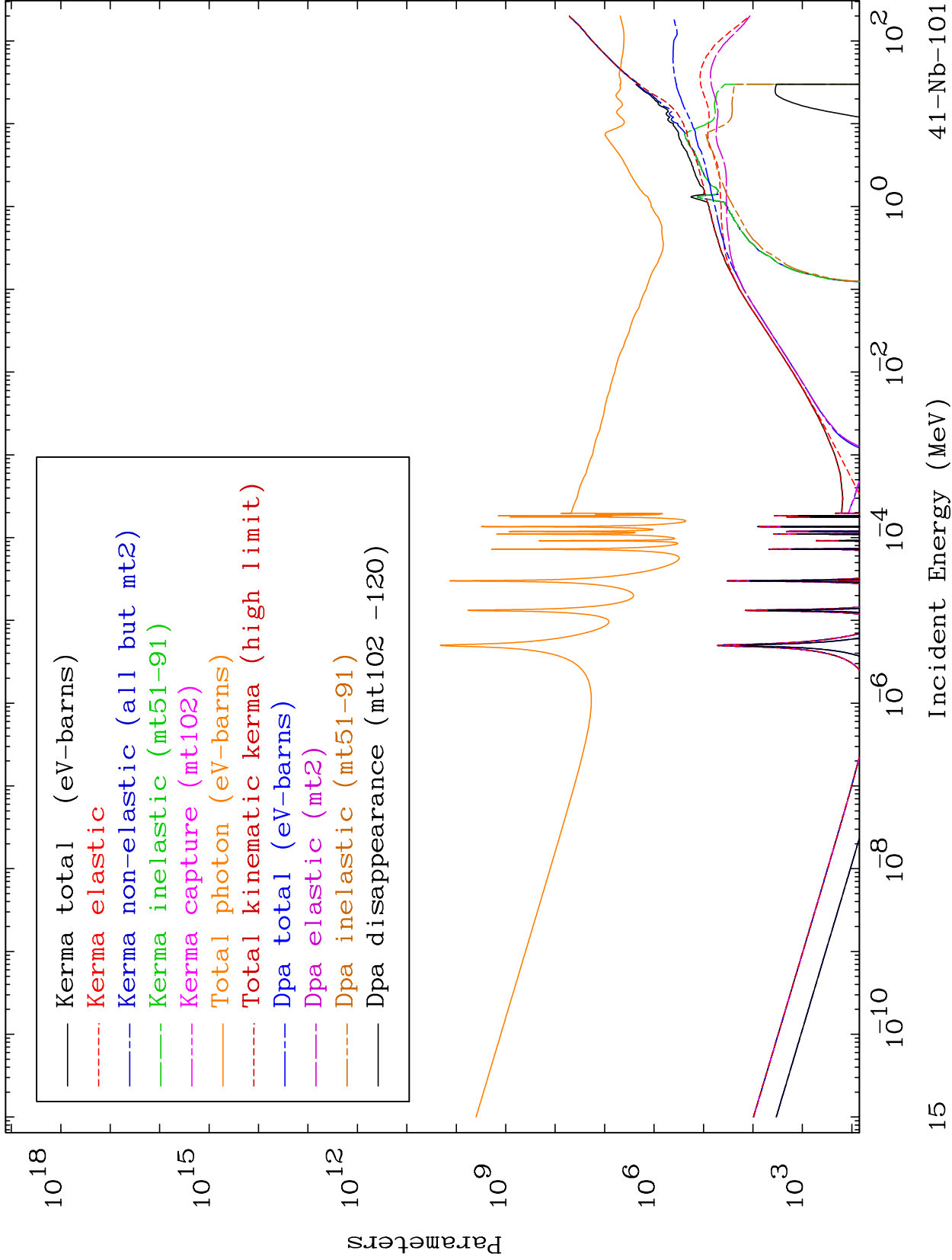
41-Nb-101



14

Incident Energy (MeV)

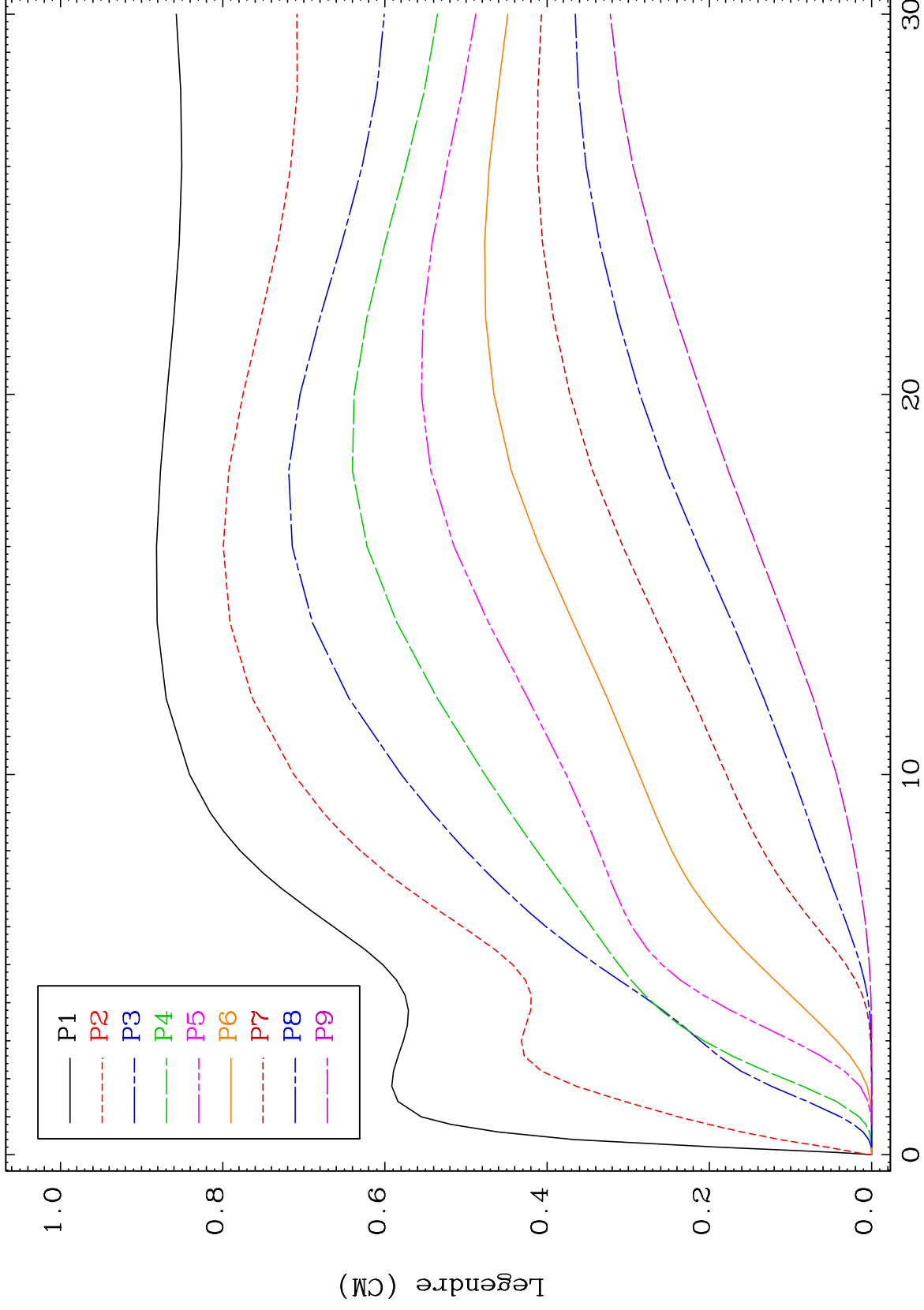
41-Nb-101



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Elastic Legendre Coefficients

41-Nb-101

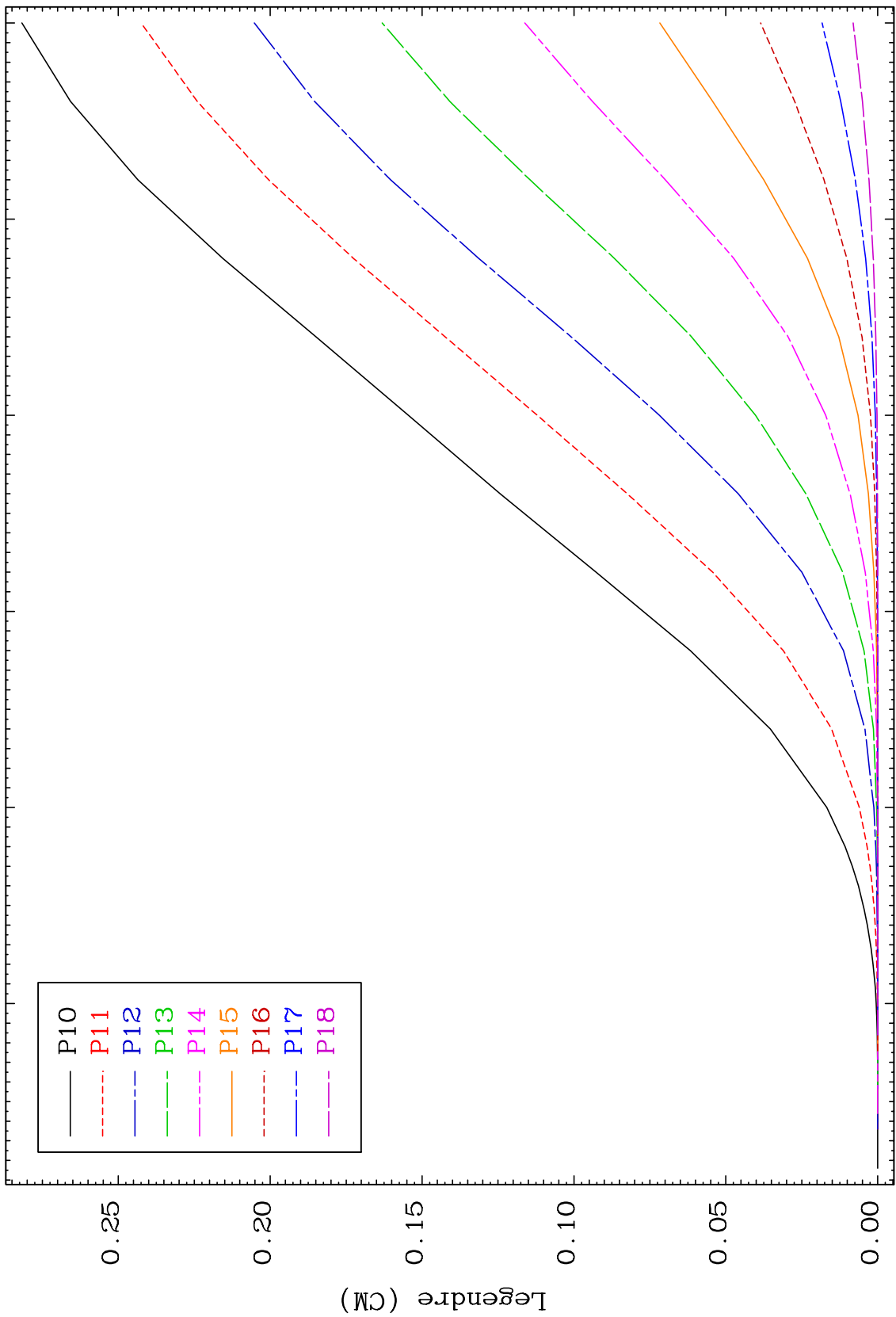


16

Incident Energy (MeV)

41-Nb-101

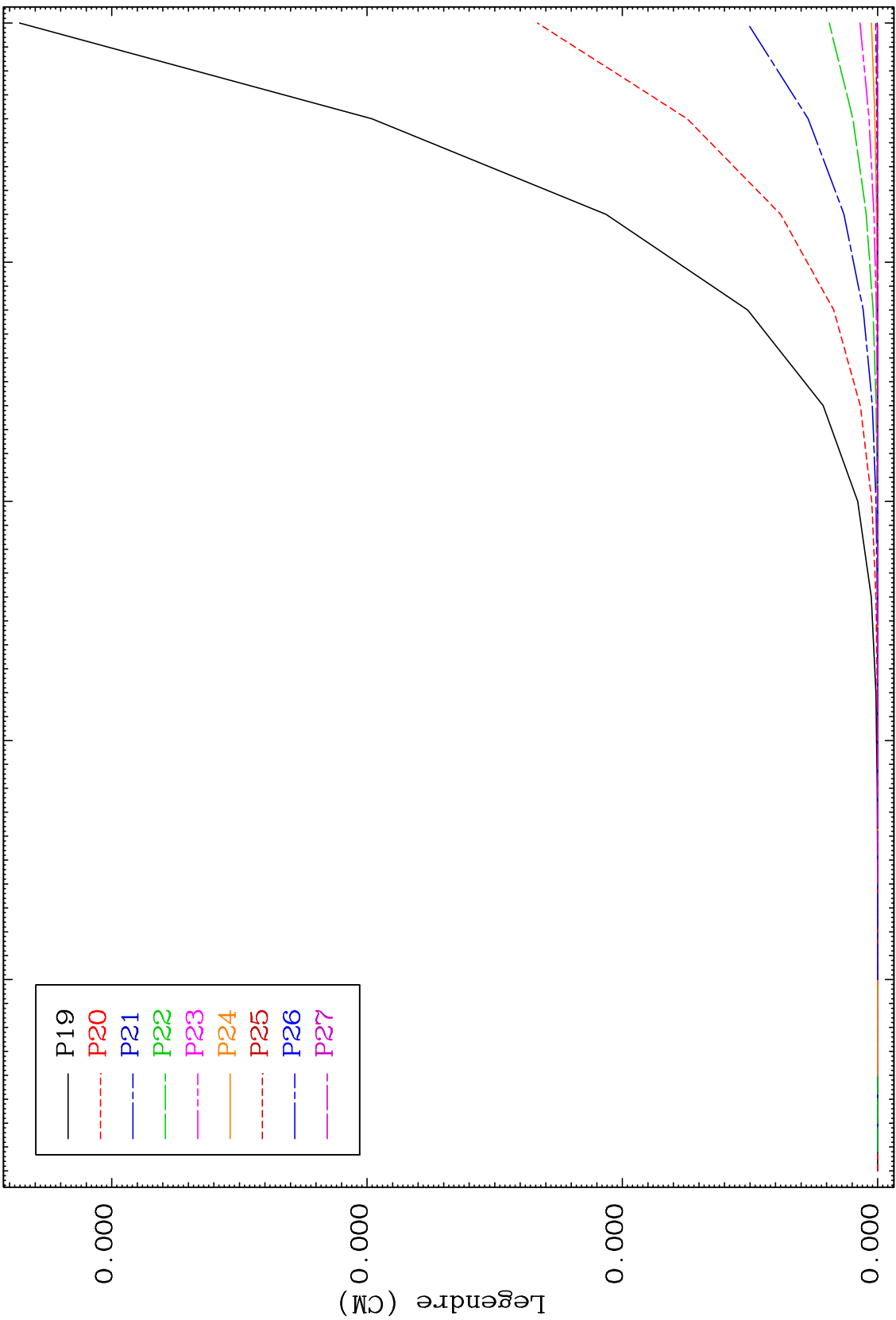
Elastic Legendre Coefficients



MAT 4149

Elastic Legendre Coefficients

41-Nb-101



18

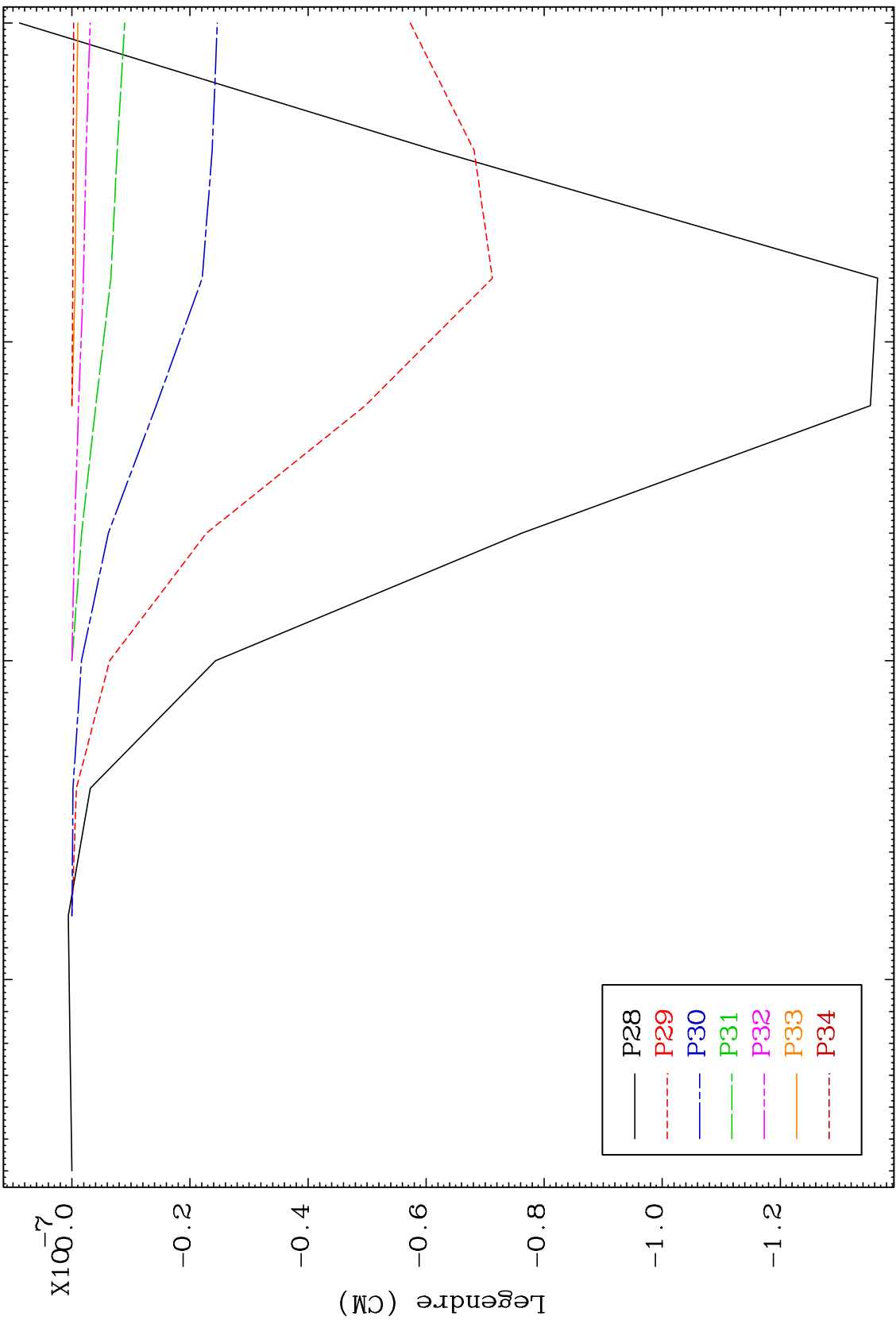
Incident Energy (MeV)

41-Nb-101

MAT 4149

41-Nb-101

Elastic Legendre Coefficients



19

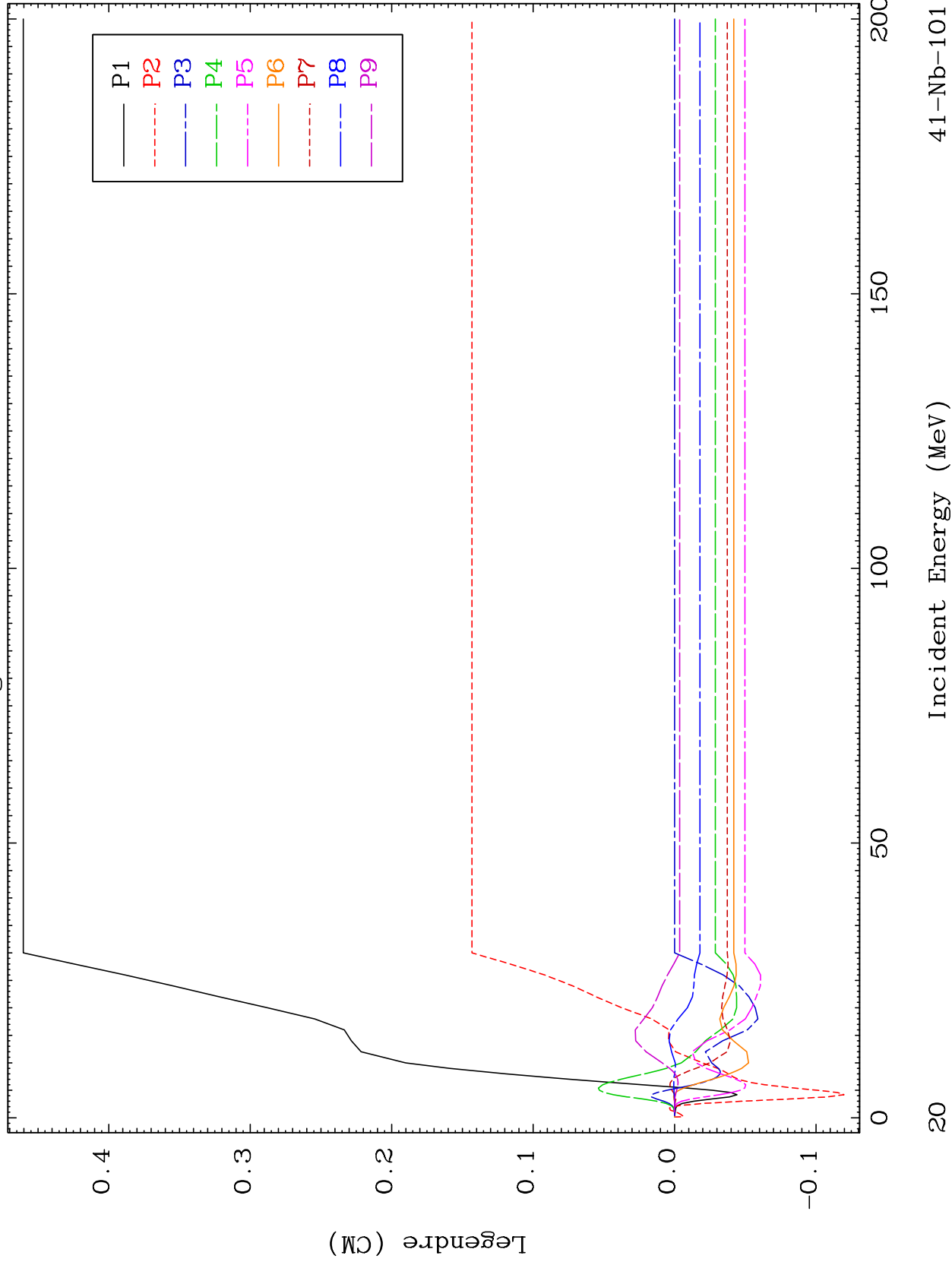
Incident Energy (MeV)

41-Nb-101

MAT 4149

119.4 keV (n,n') Level
Legendre Coefficients

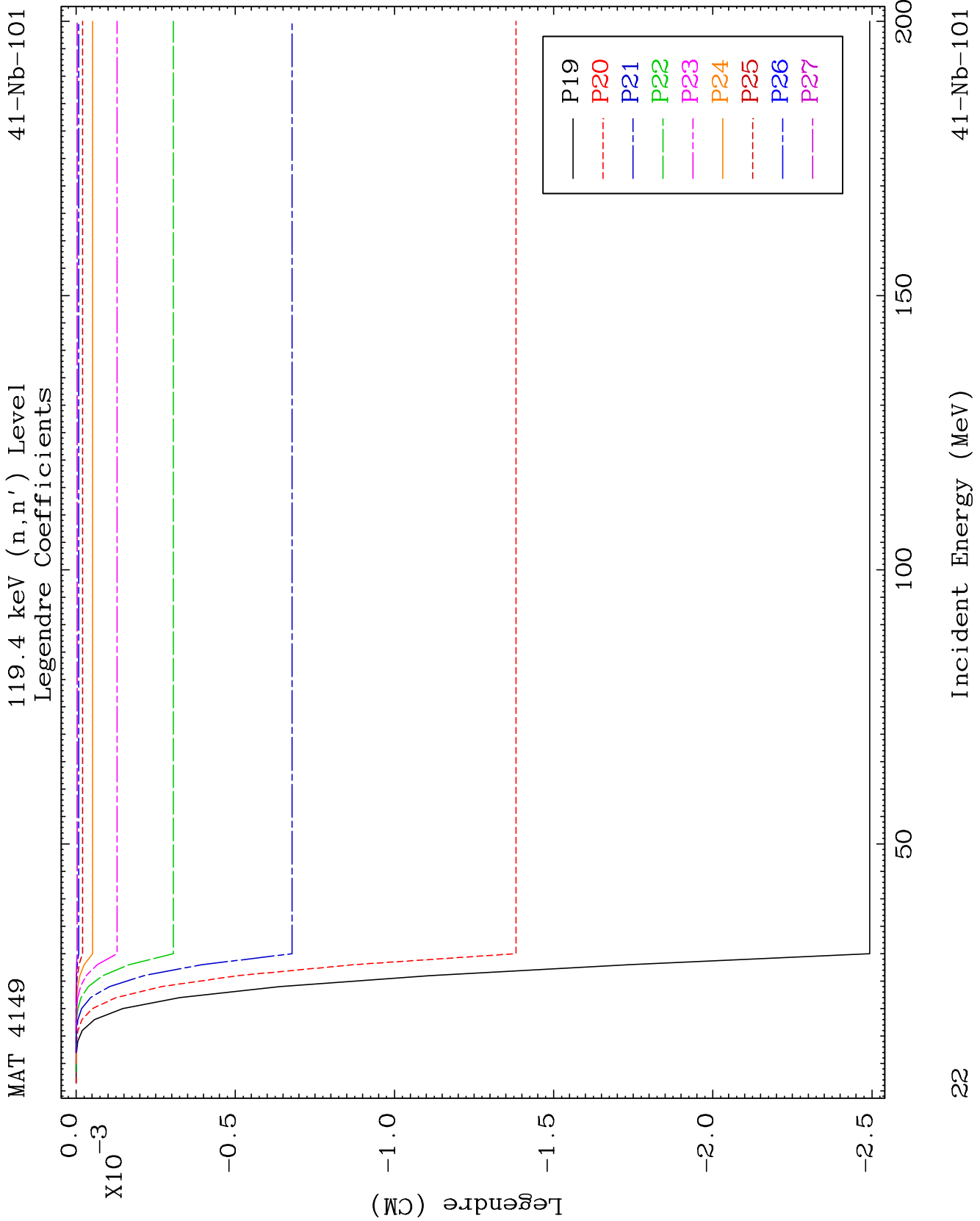
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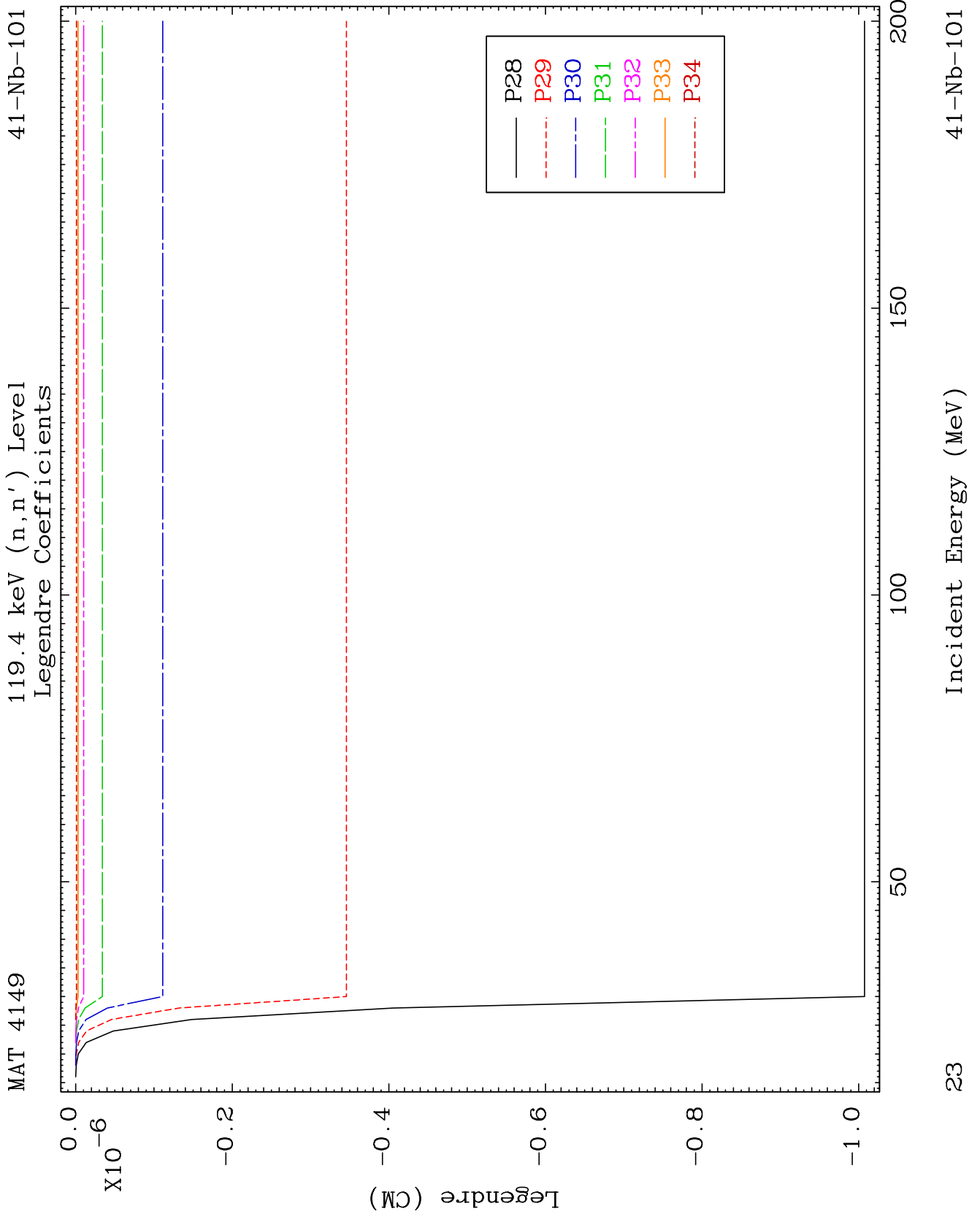


41-Nb-101

Incident Energy (MeV)

20

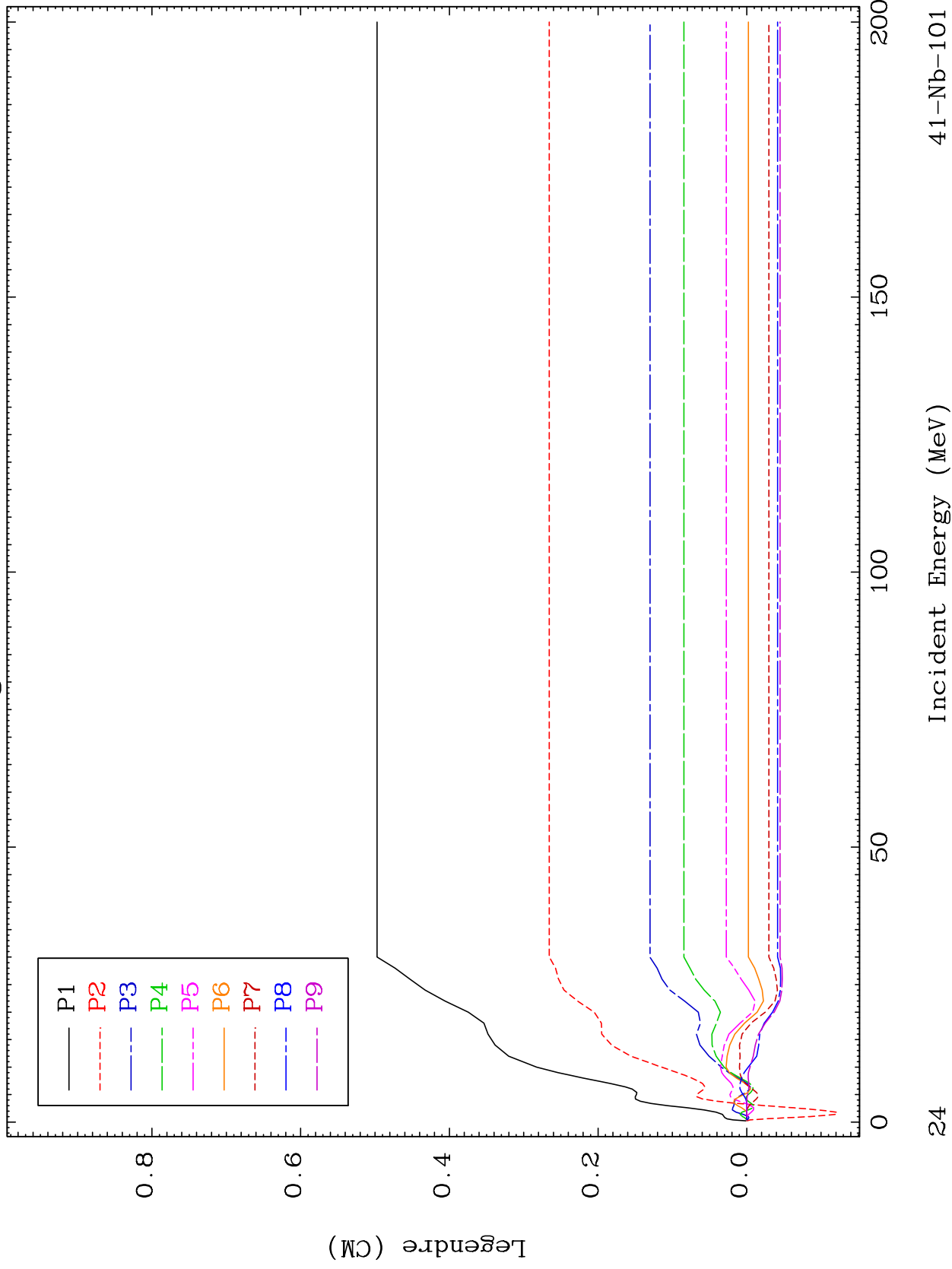




MAT 4149

205.3 keV (n, n') Level
Legendre Coefficients

41-Nb-101



24

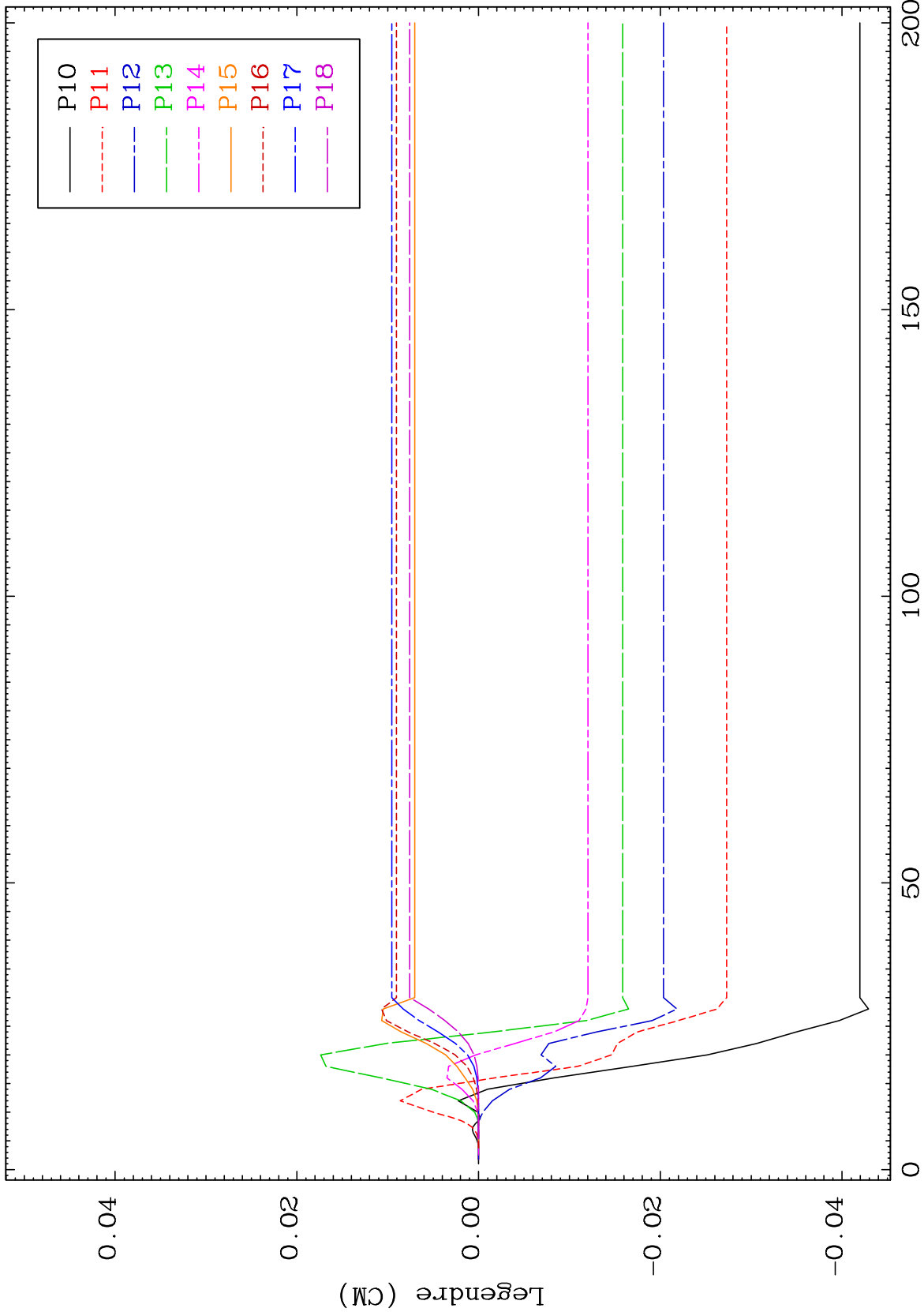
Incident Energy (MeV)

41-Nb-101

MAT 4149

205.3 keV (n,n') Level
Legendre Coefficients

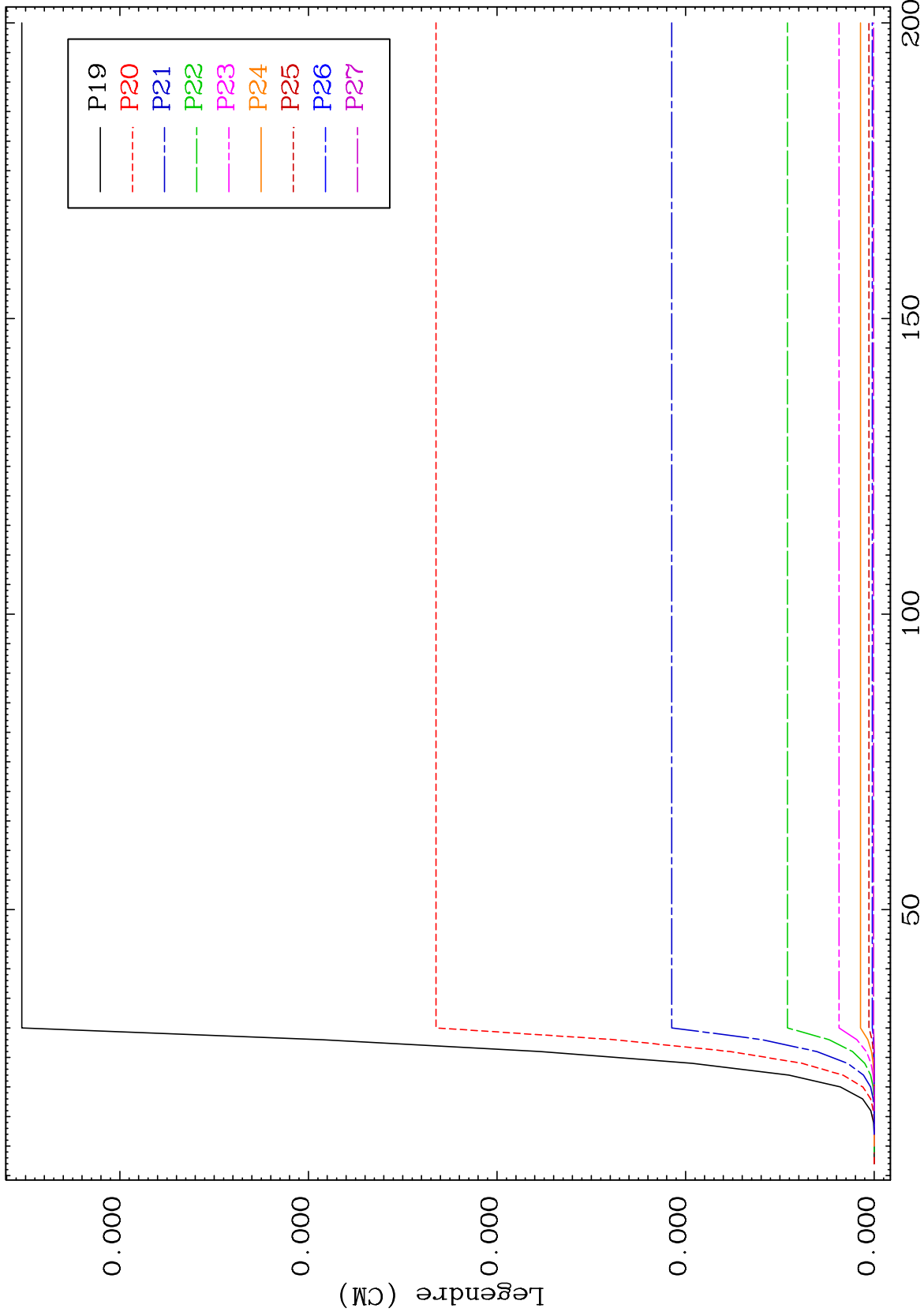
41-Nb-101



25

Incident Energy (MeV)

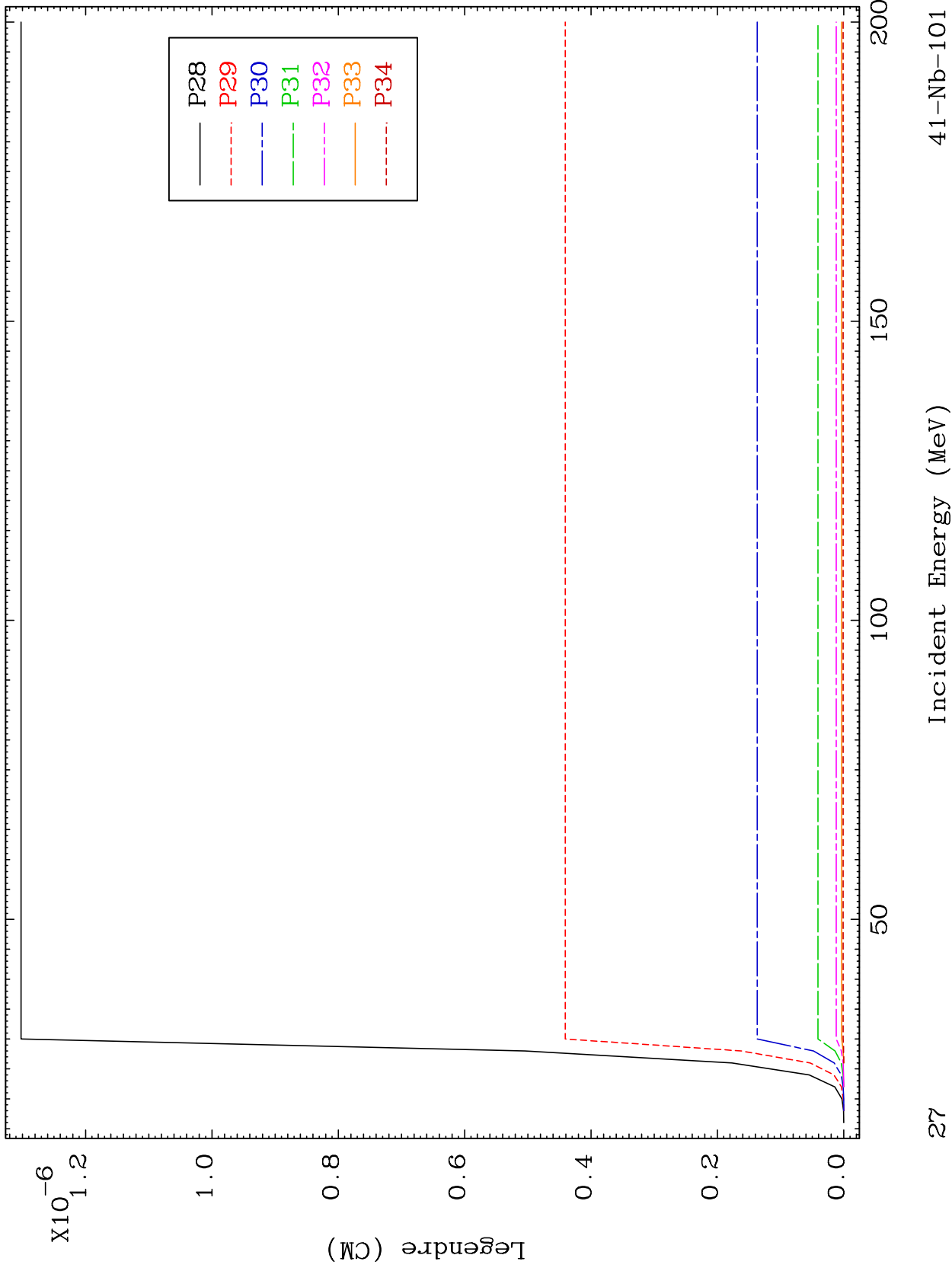
41-Nb-101



MAT 4149

205.3 keV (n, n') Level
Legendre Coefficients

41-Nb-101



27

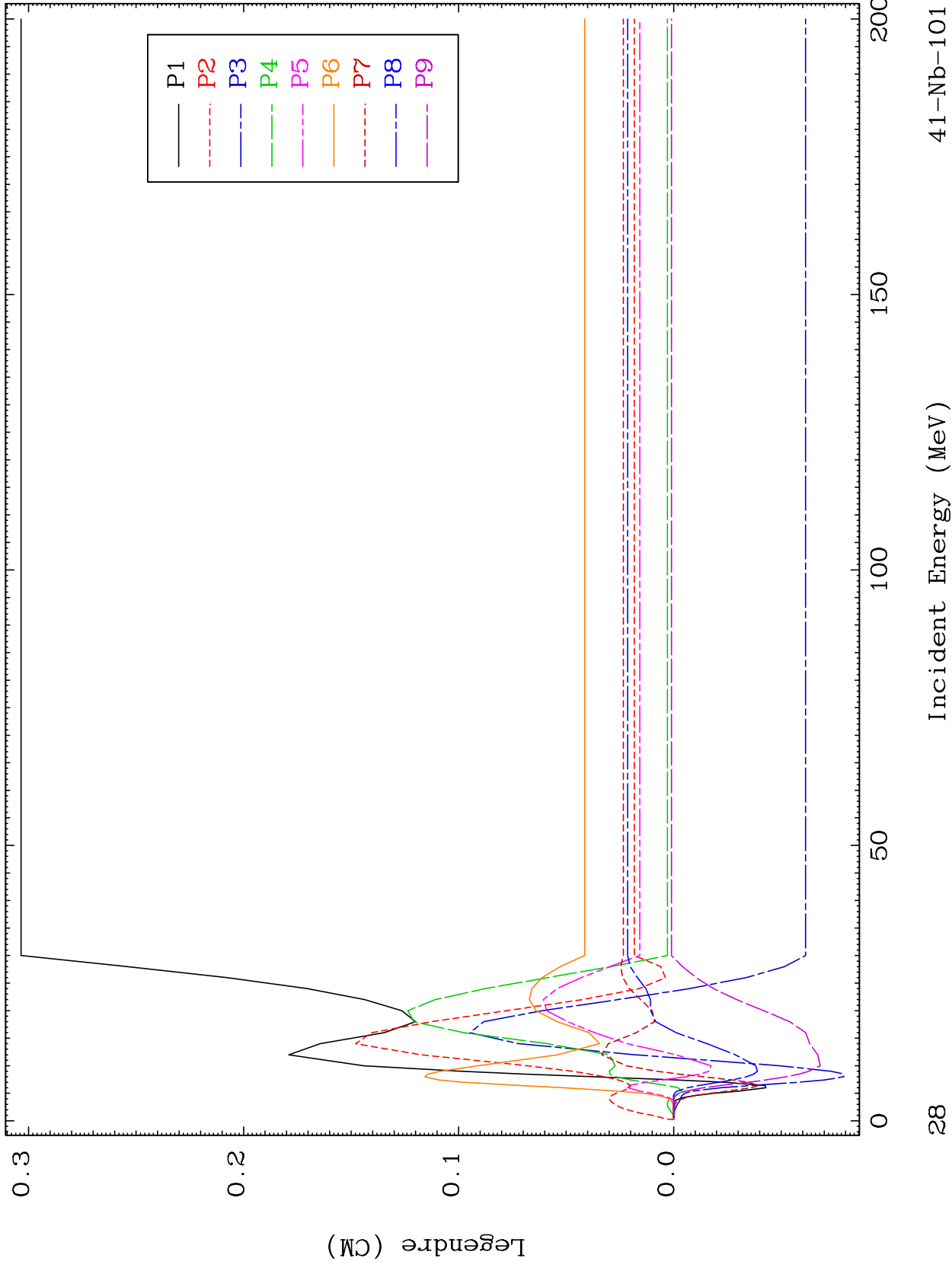
Incident Energy (MeV)

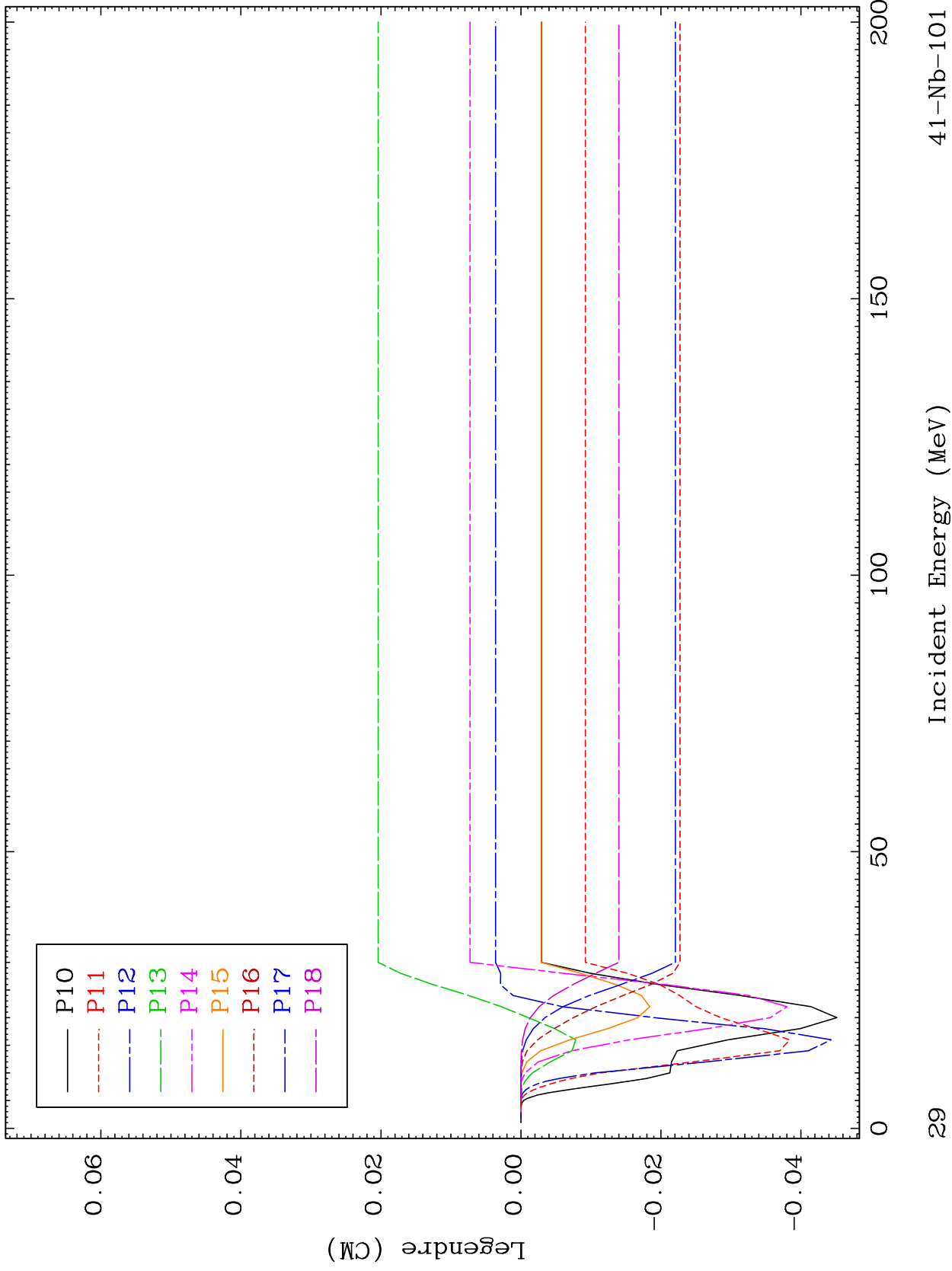
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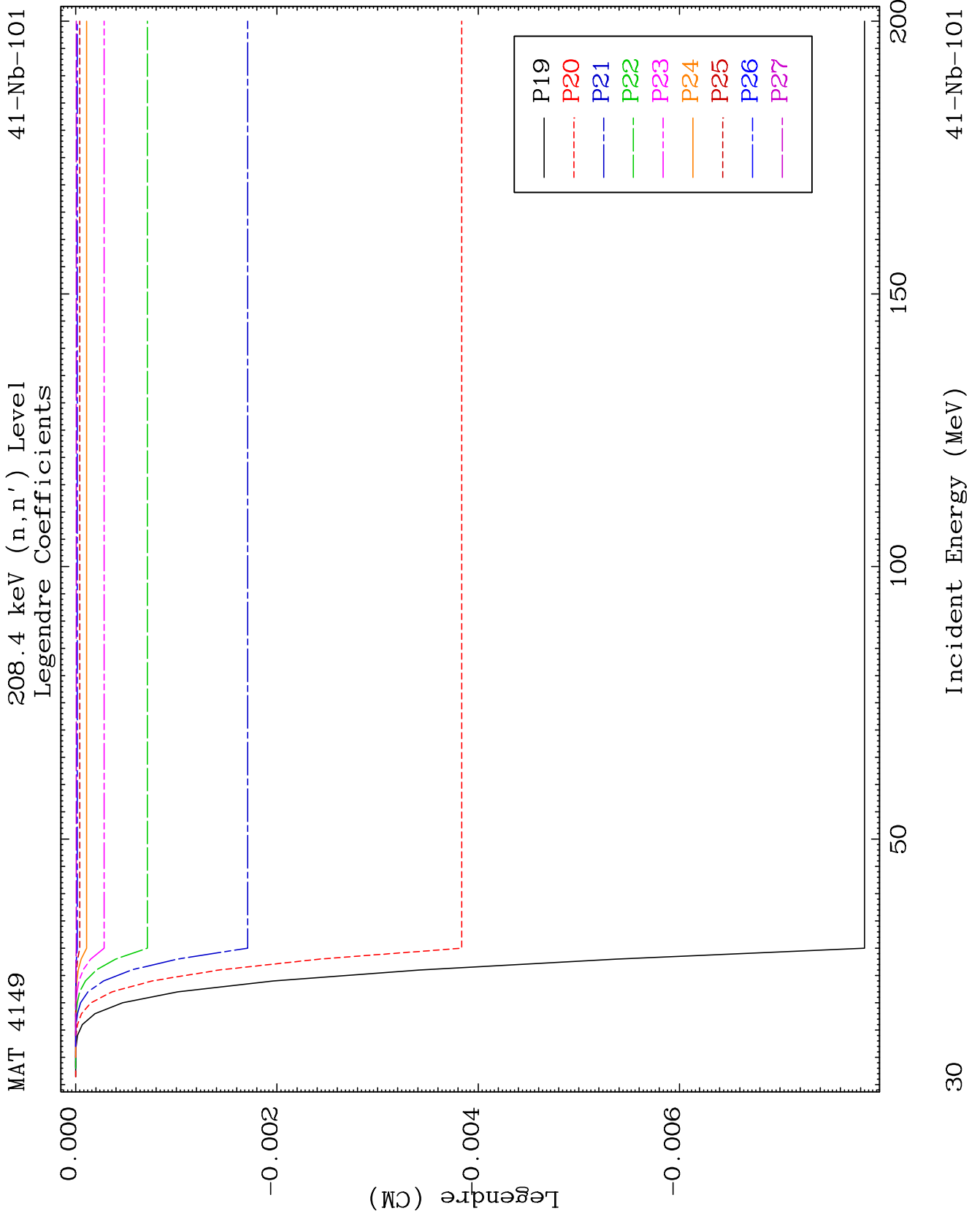
MAT 4149

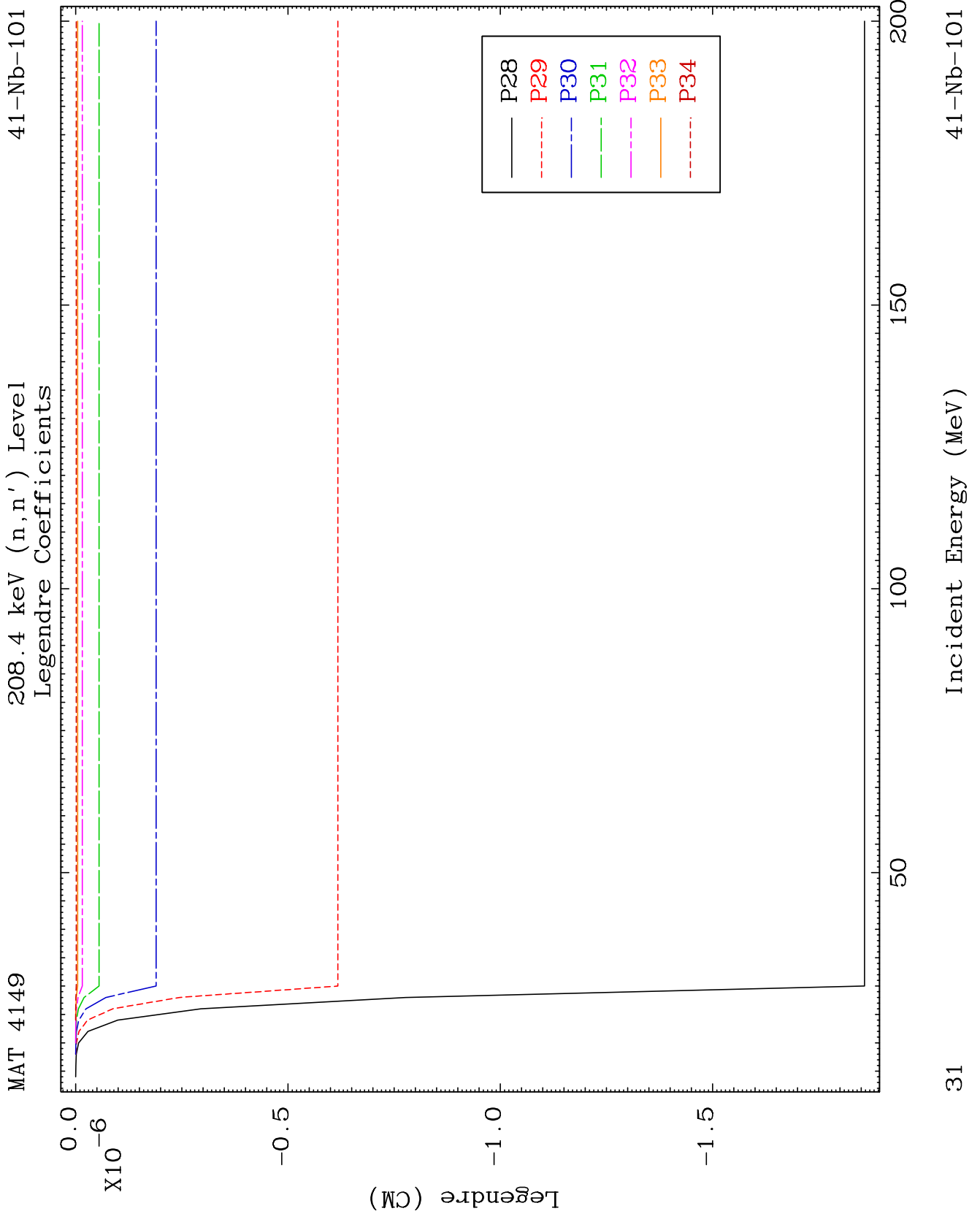
208.4 keV (n, n') Level
Legendre Coefficients

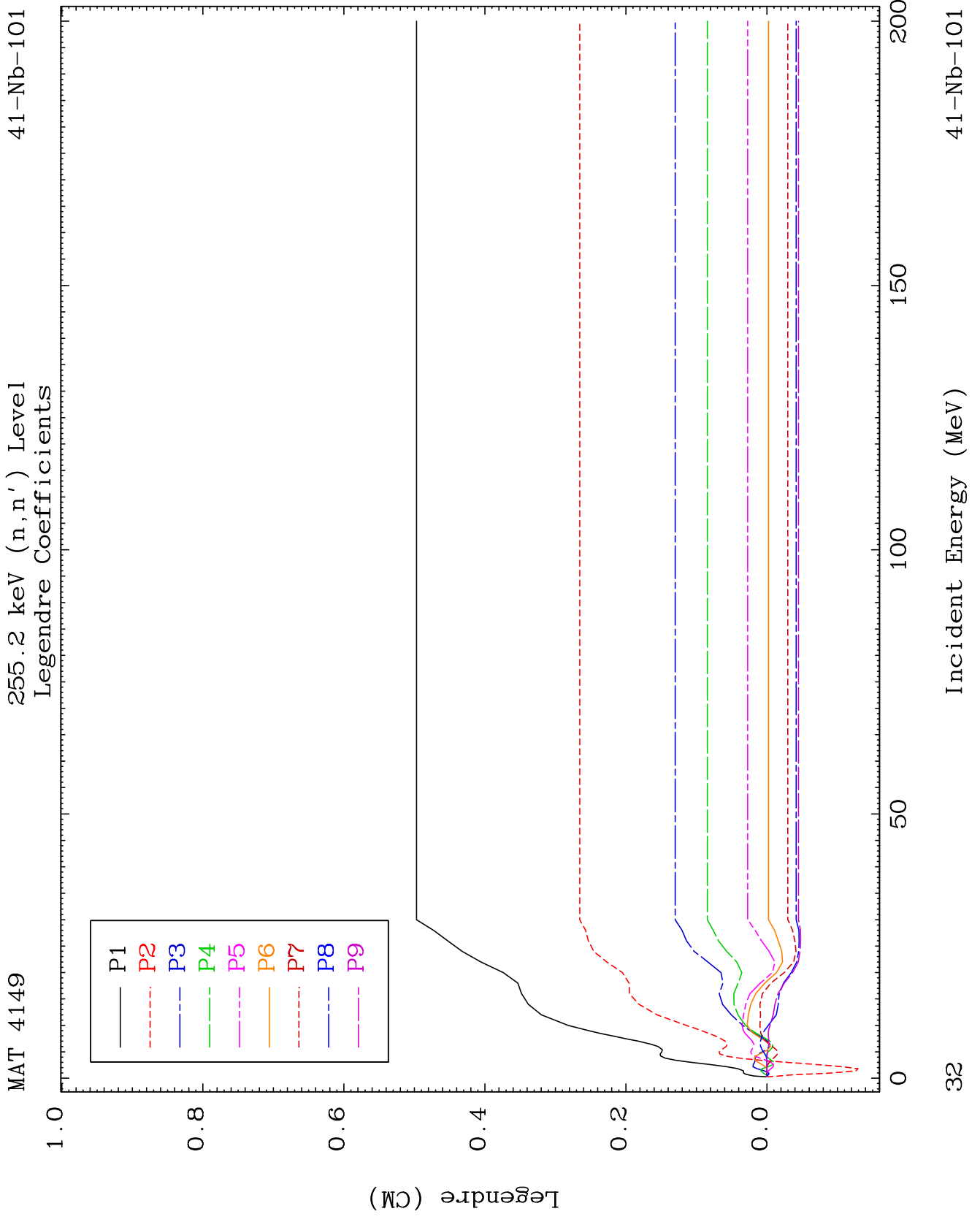
41-Nb-101







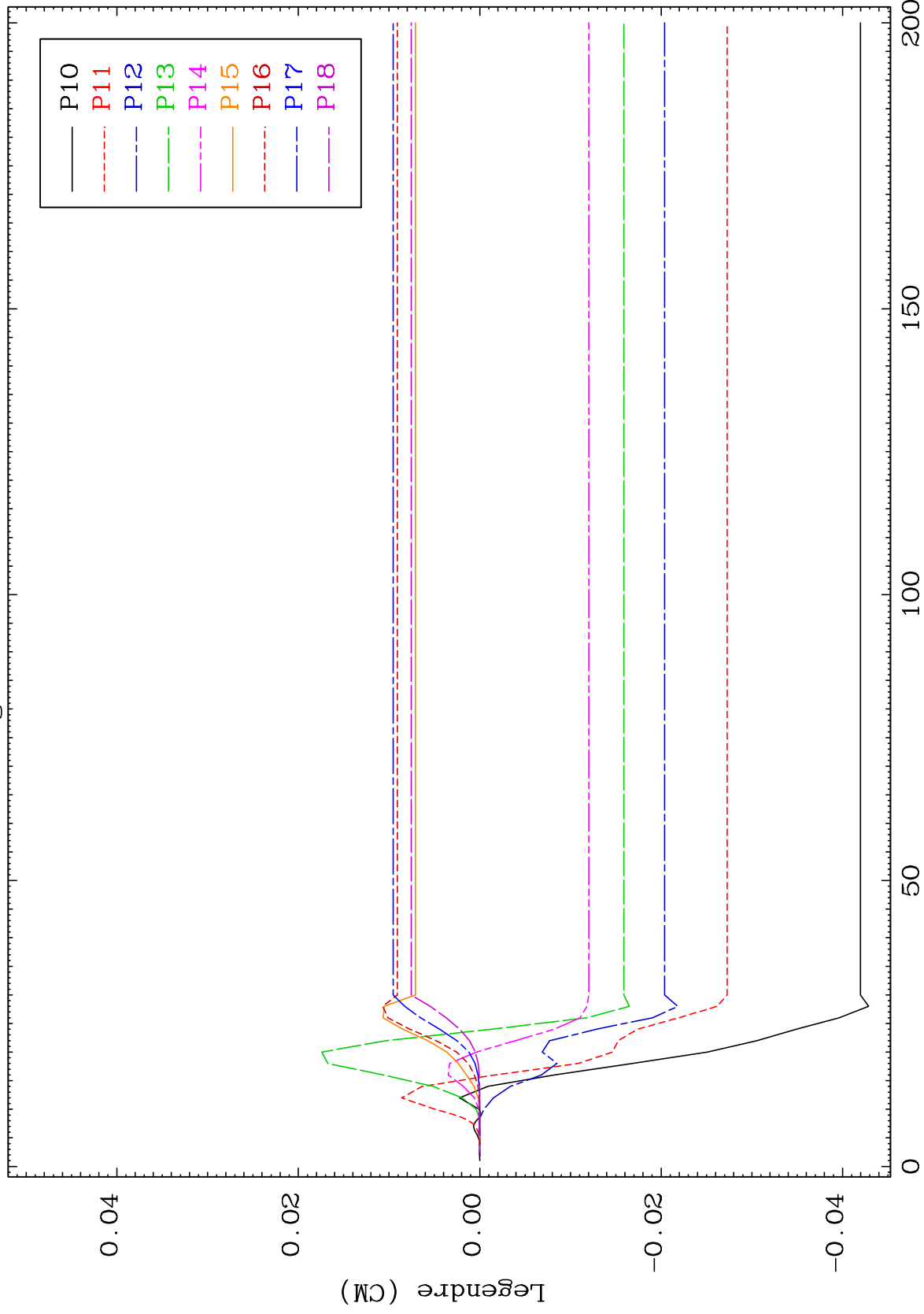




MAT 4149

255.2 keV (n,n') Level
Legendre Coefficients

41-Nb-101



33

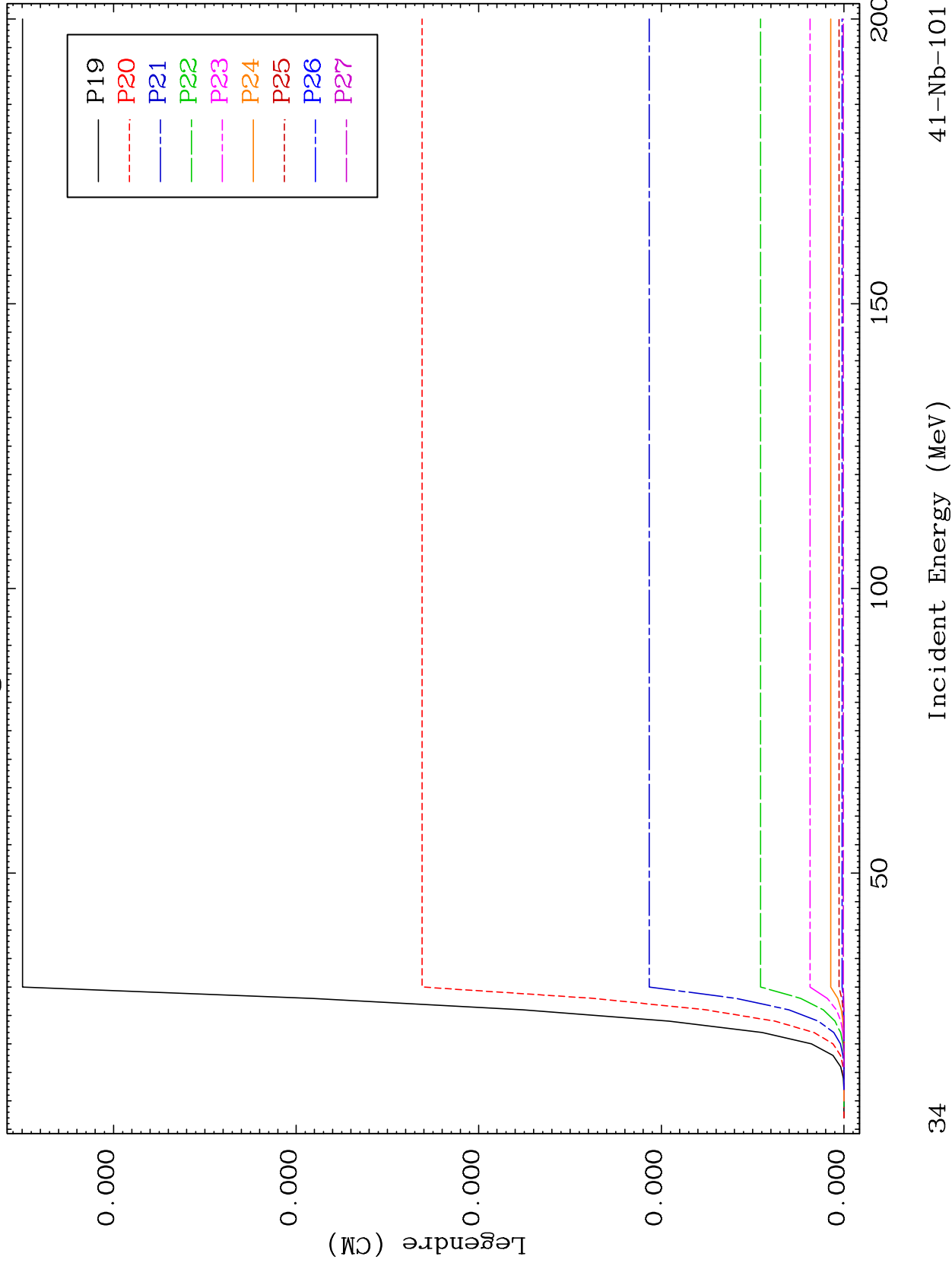
Incident Energy (MeV)

41-Nb-101

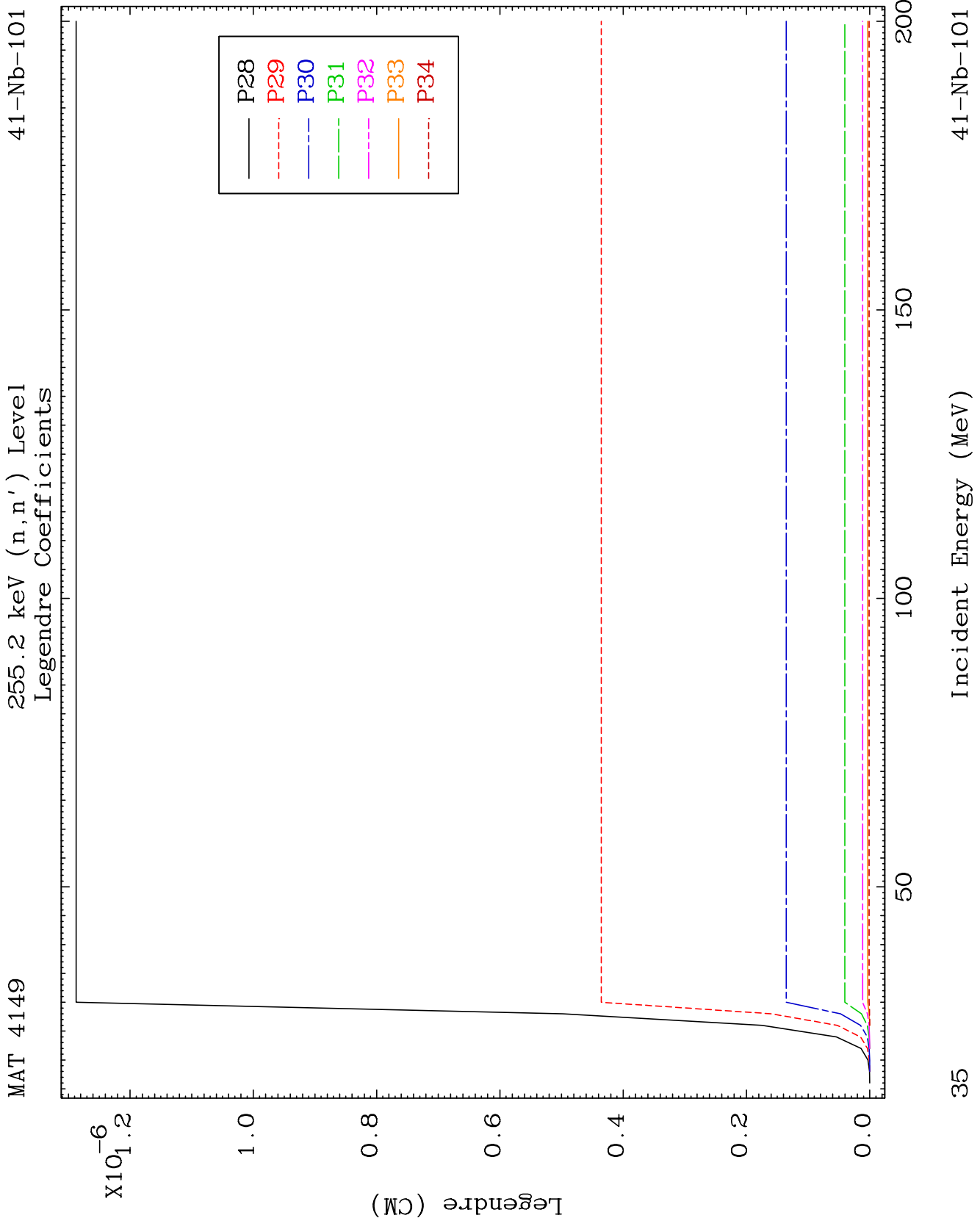
MAT 4149

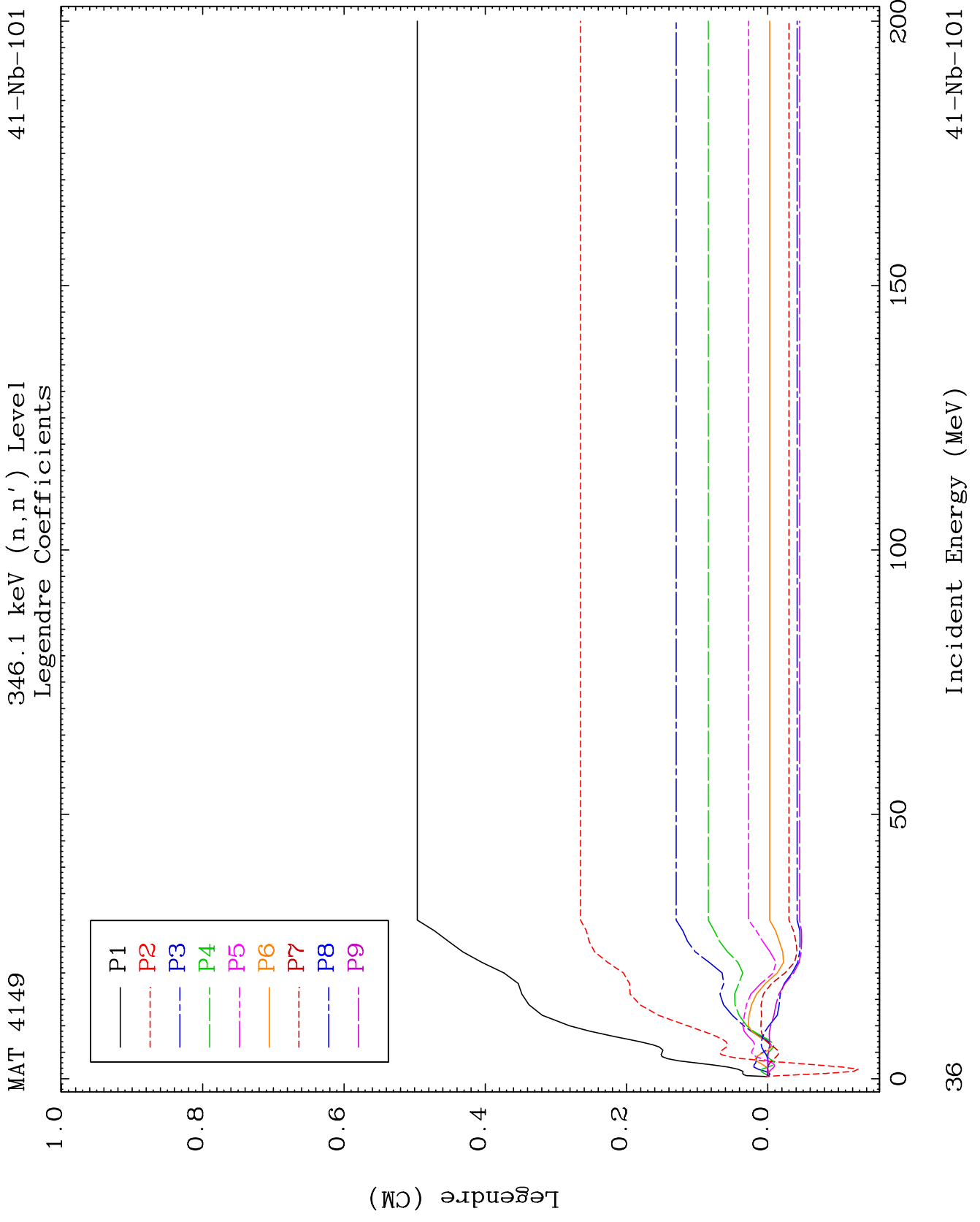
255.2 keV (n, n') Level
Legendre Coefficients

41-Nb-101



34

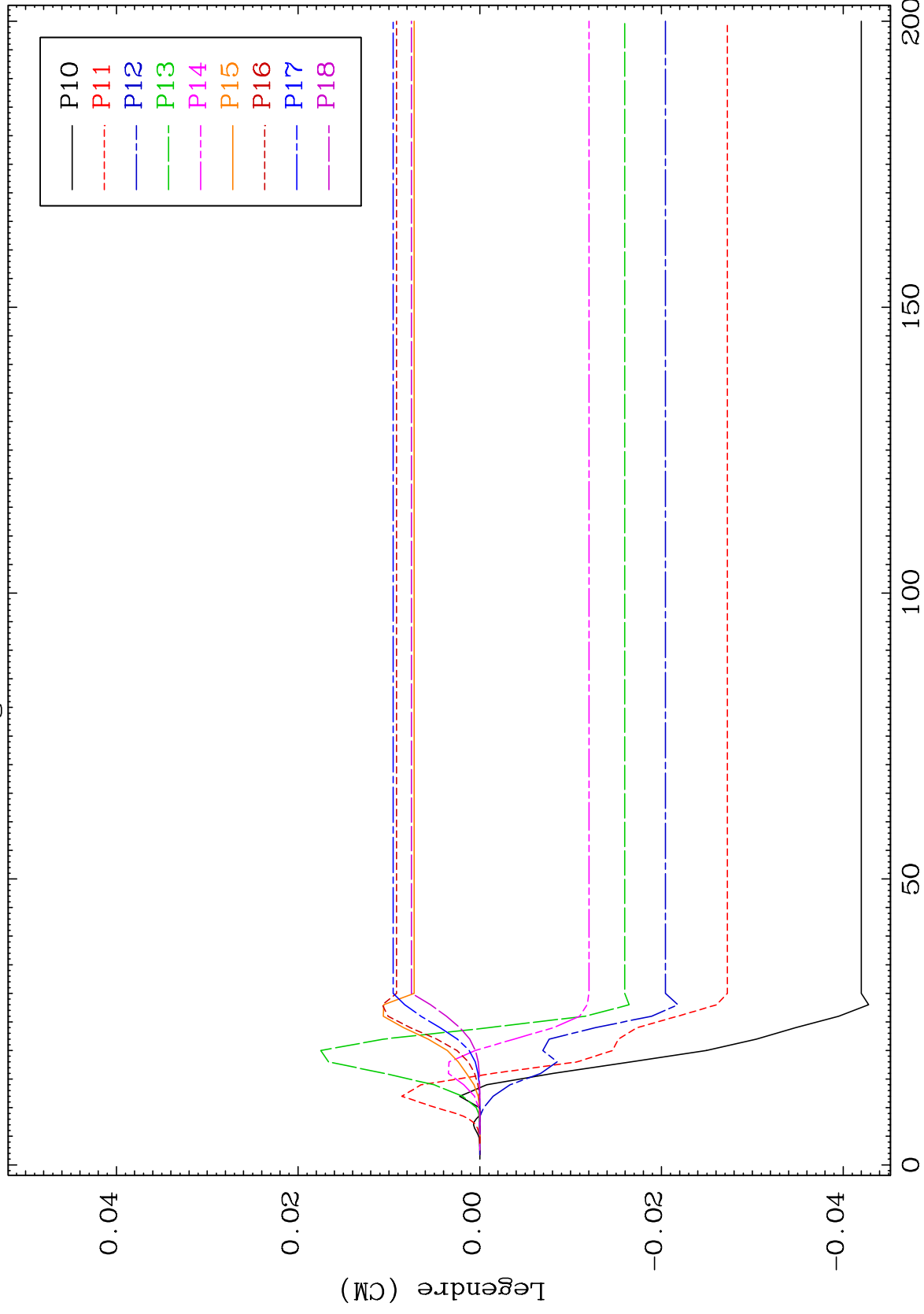




MAT 4149

346.1 keV (n,n') Level
Legendre Coefficients

41-Nb-101



37

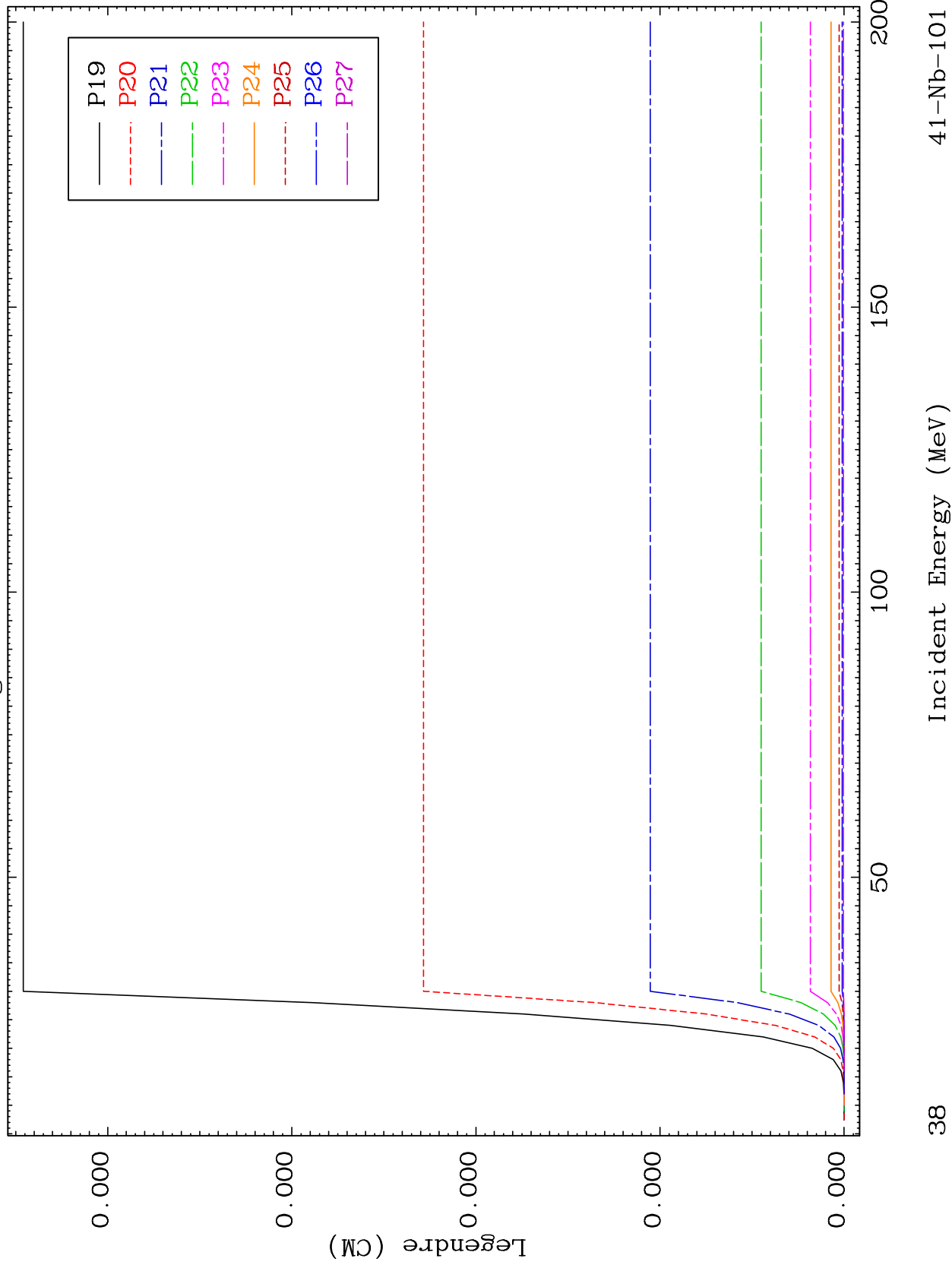
Incident Energy (MeV)

41-Nb-101

MAT 4149

346.1 keV (n, n') Level
Legendre Coefficients

41-Nb-101



38

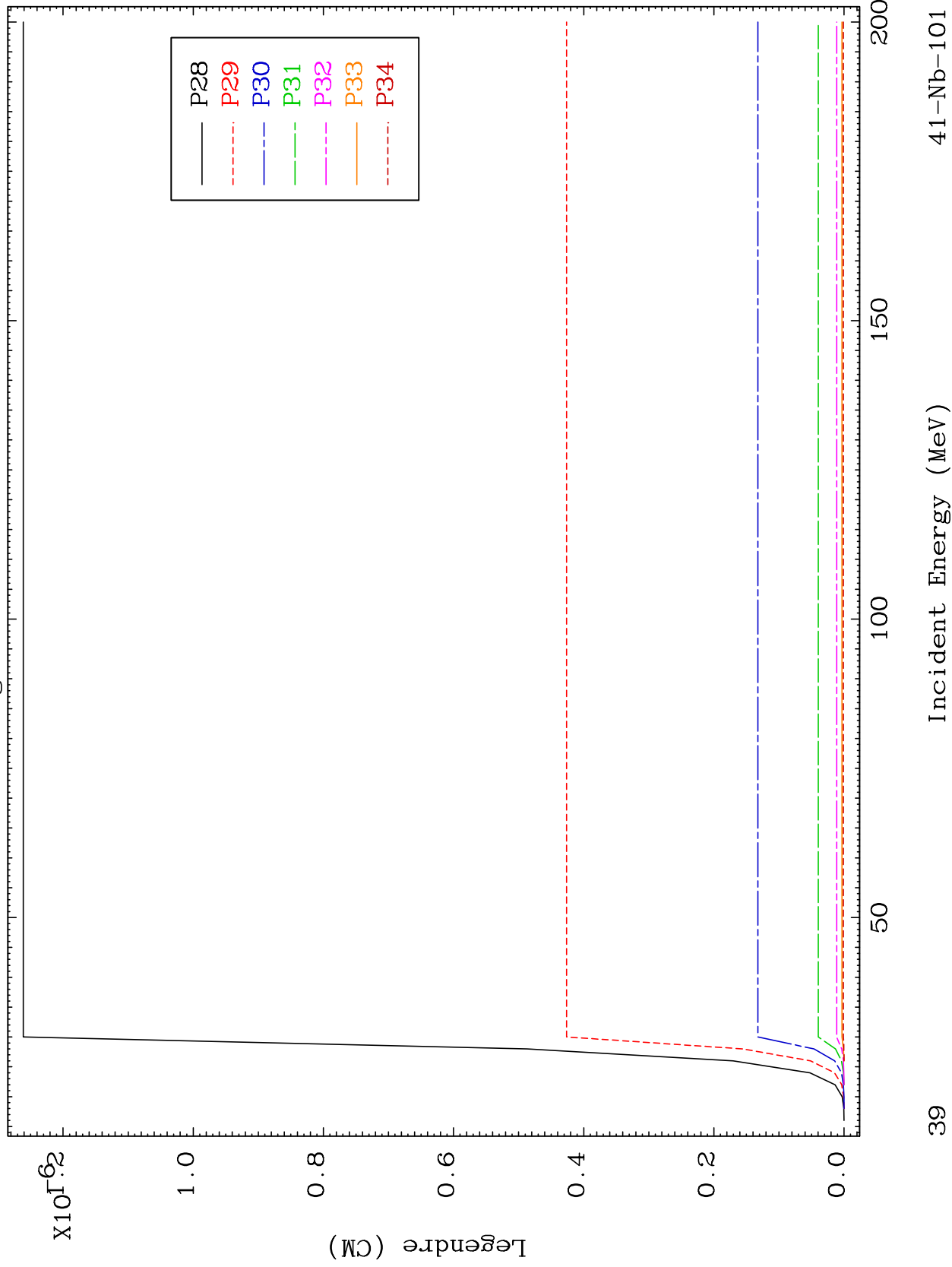
Incident Energy (MeV)

41-Nb-101

MAT 4149

346.1 keV (n, n') Level
Legendre Coefficients

41-Nb-101



39

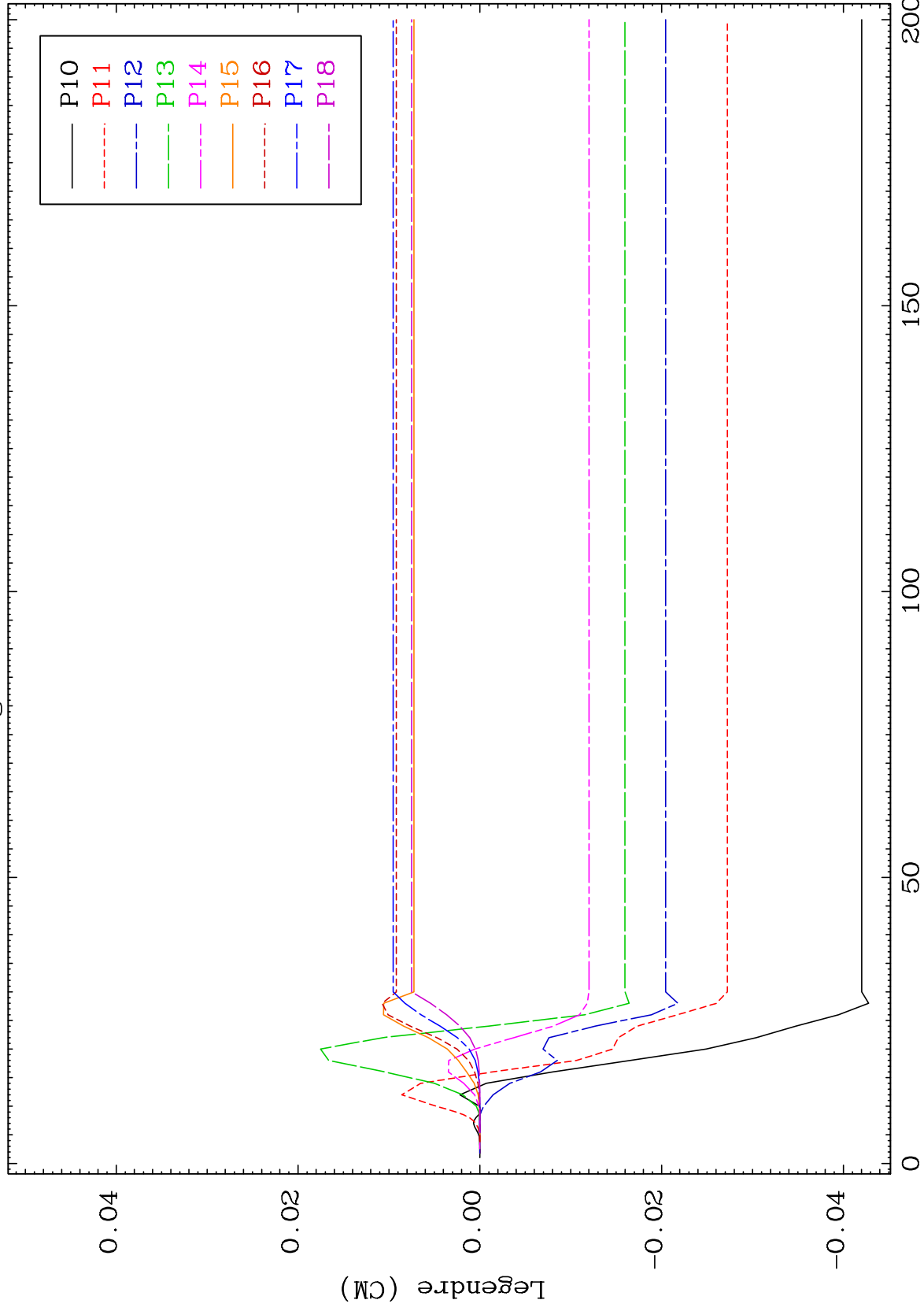
Incident Energy (MeV)

41-Nb-101

MAT 4149

374.0 keV (n,n') Level
Legendre Coefficients

41-Nb-101



41

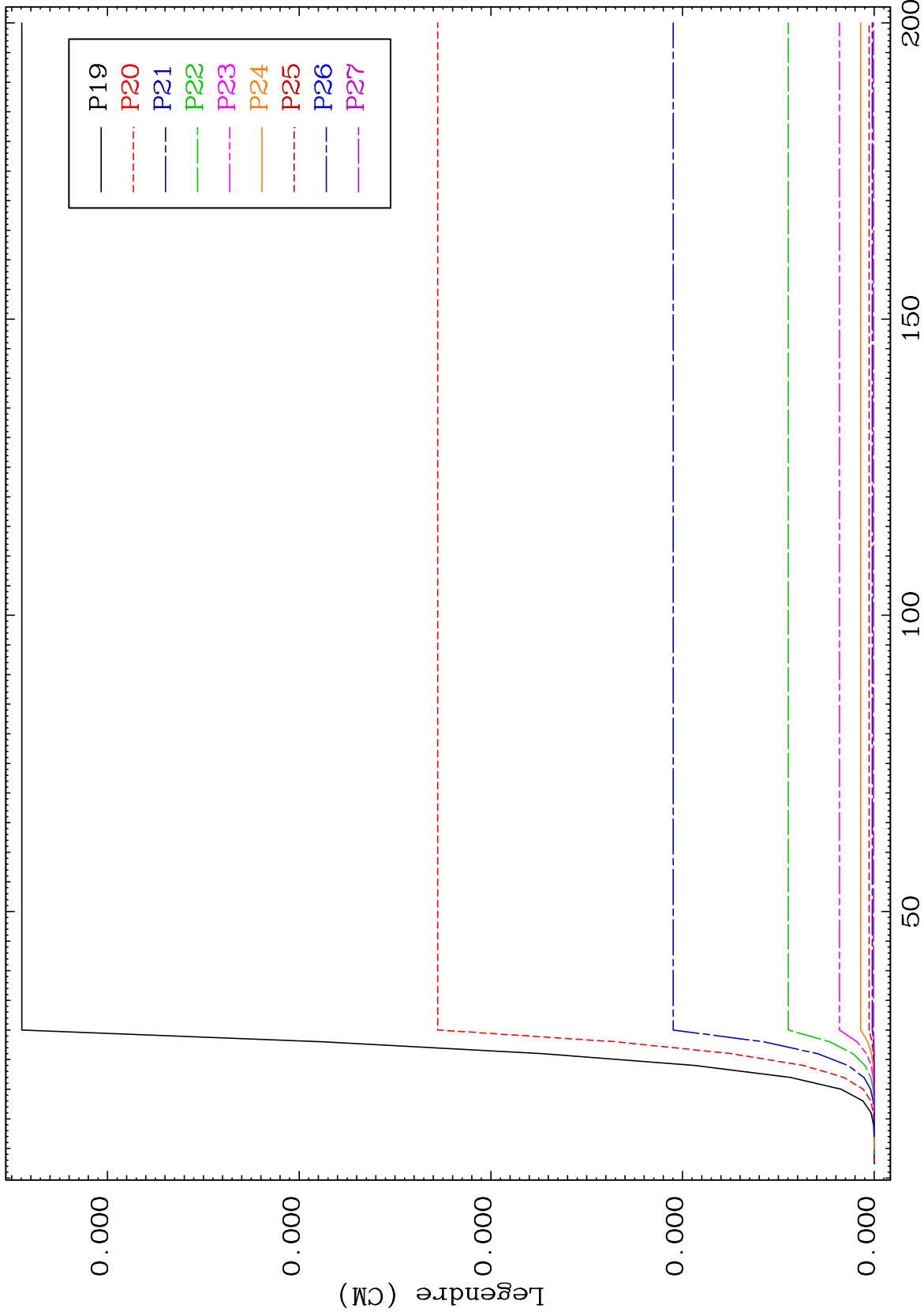
Incident Energy (MeV)

41-Nb-101

MAT 4149

374.0 keV (n, n') Level
Legendre Coefficients

41-Nb-101



42

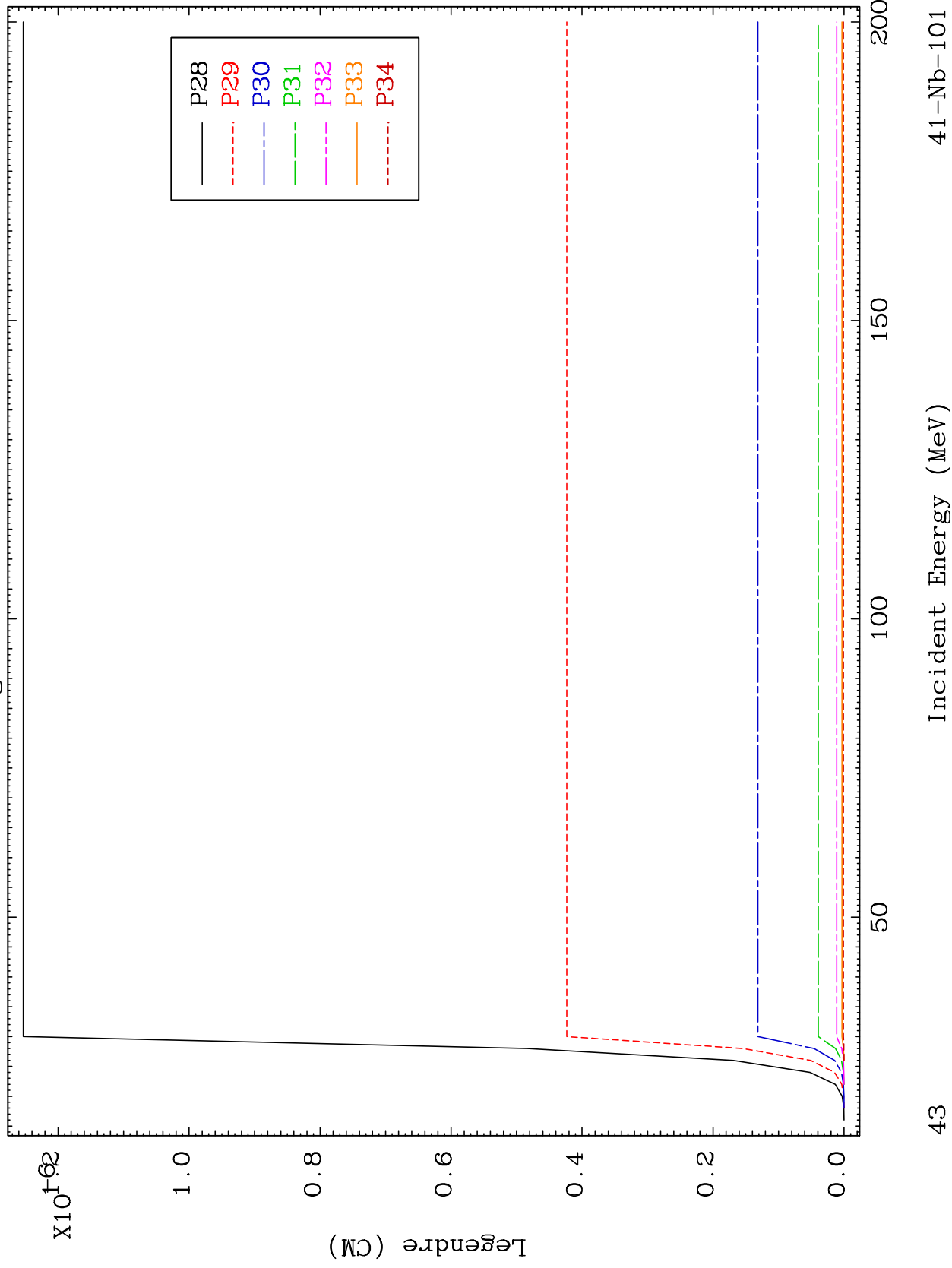
Incident Energy (MeV)

41-Nb-101

MAT 4149

374.0 keV (n,n') Level
Legendre Coefficients

41-Nb-101



43

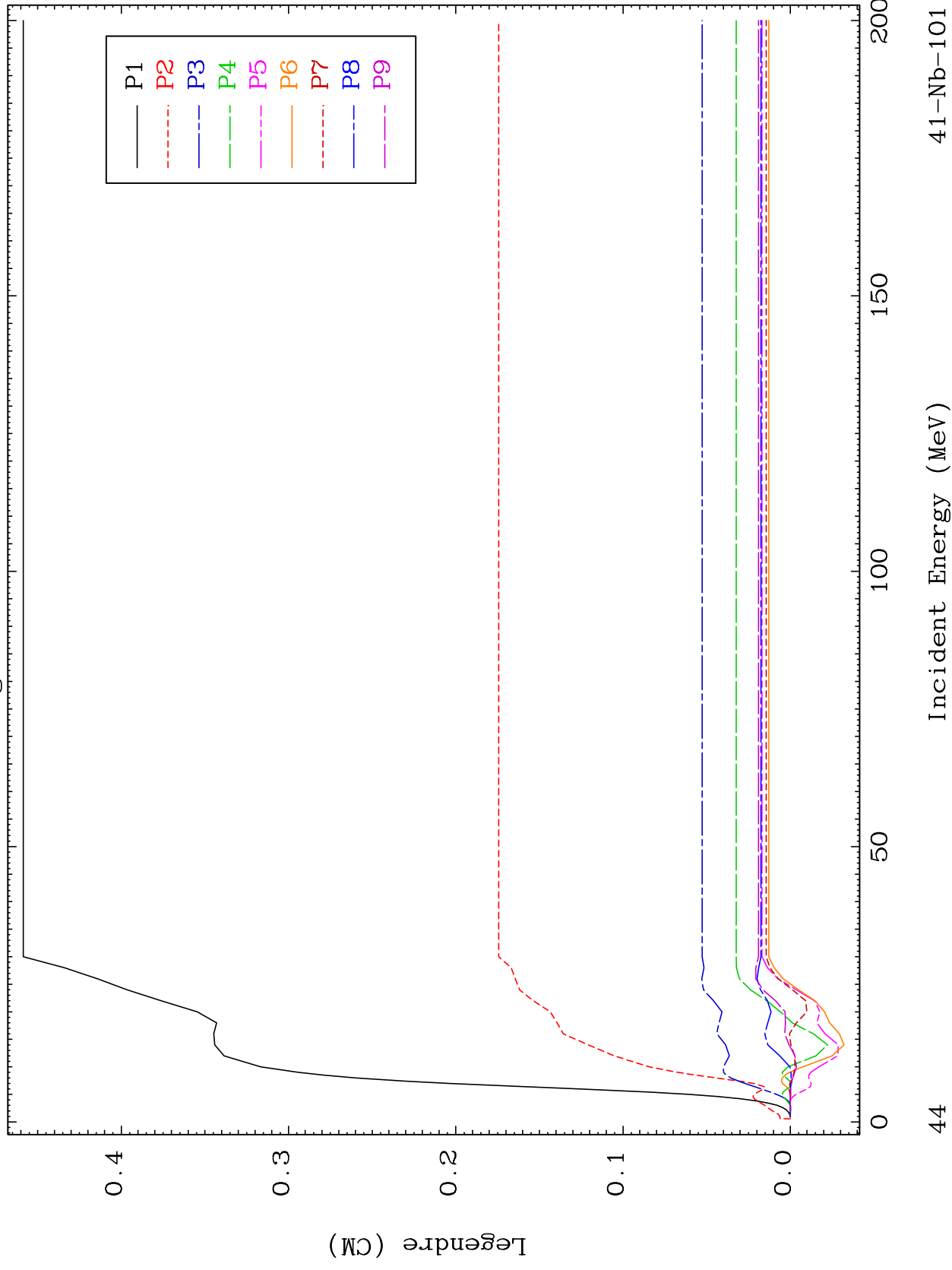
Incident Energy (MeV)

41-Nb-101

MAT 4149

532.1 keV (n,n') Level
Legendre Coefficients

41-Nb-101



44

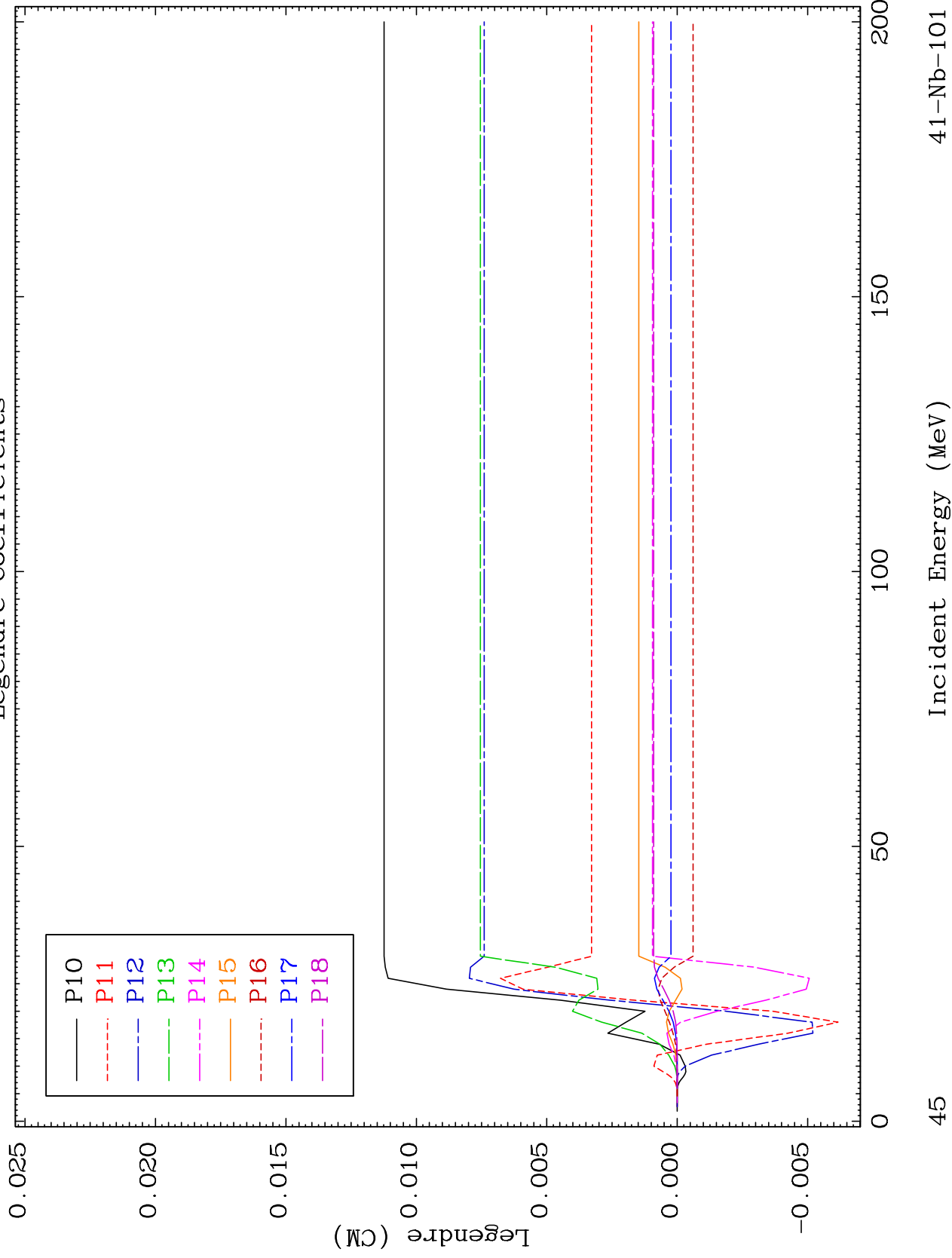
Incident Energy (MeV)

41-Nb-101

MAT 4149

532.1 keV (n,n') Level
Legendre Coefficients

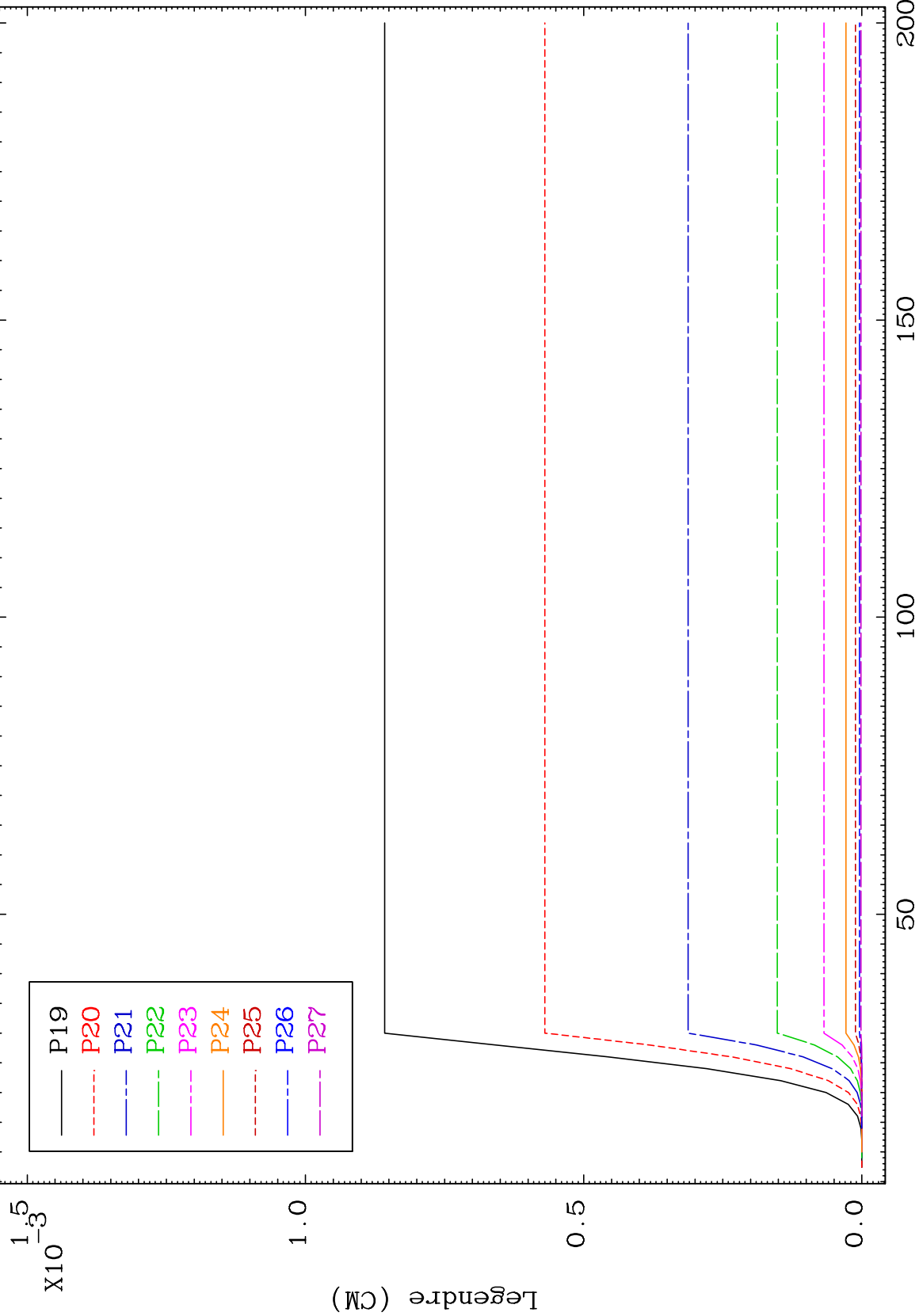
41-Nb-101



45

Incident Energy (MeV)

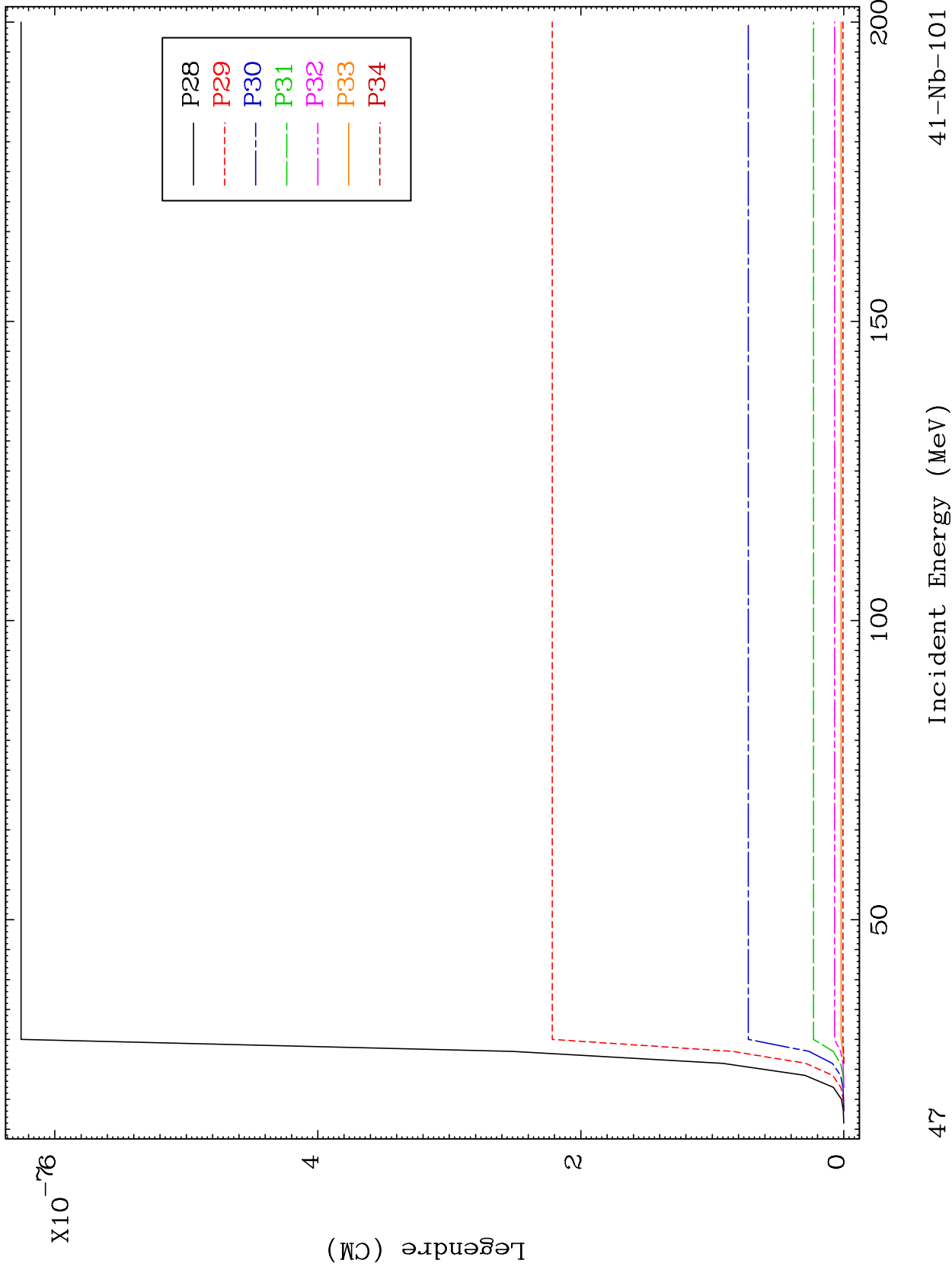
41-Nb-101



MAT 4149

532.1 keV (n,n') Level
Legendre Coefficients

41-Nb-101

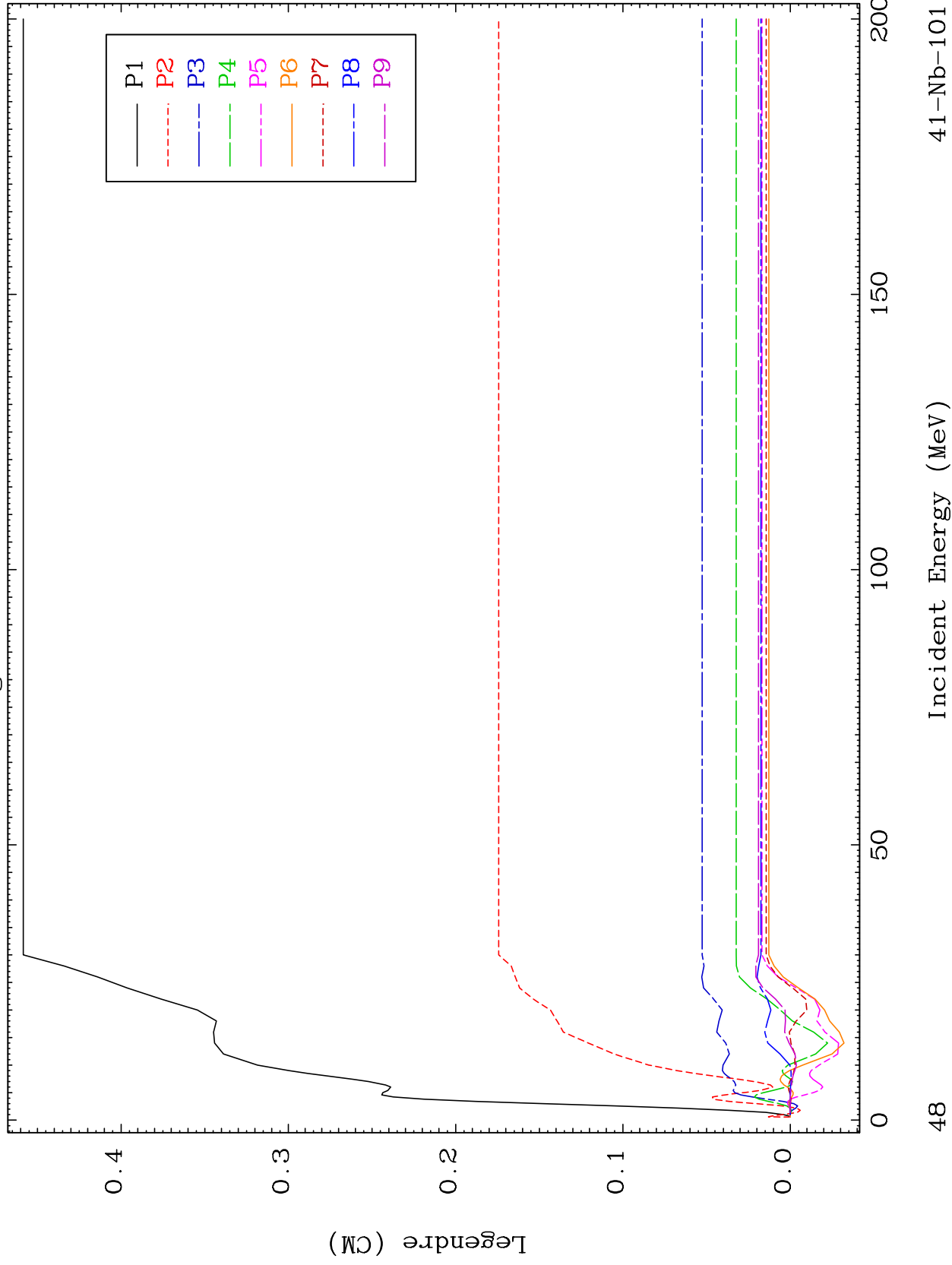


47

MAT 4149

552.5 keV (n,n') Level
Legendre Coefficients

41-Nb-101



48

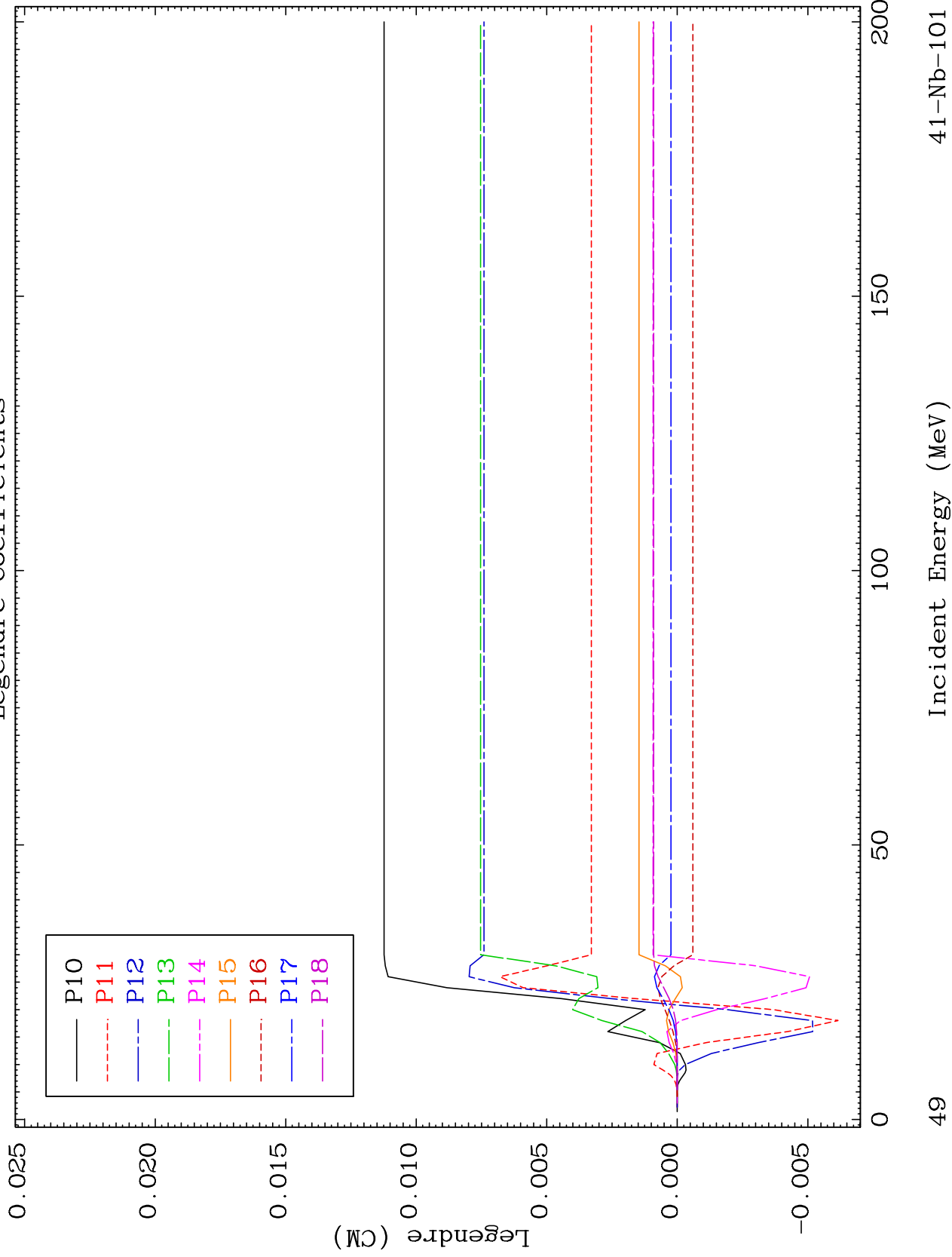
Incident Energy (MeV)

41-Nb-101

MAT 4149

552.5 keV (n,n') Level
Legendre Coefficients

41-Nb-101

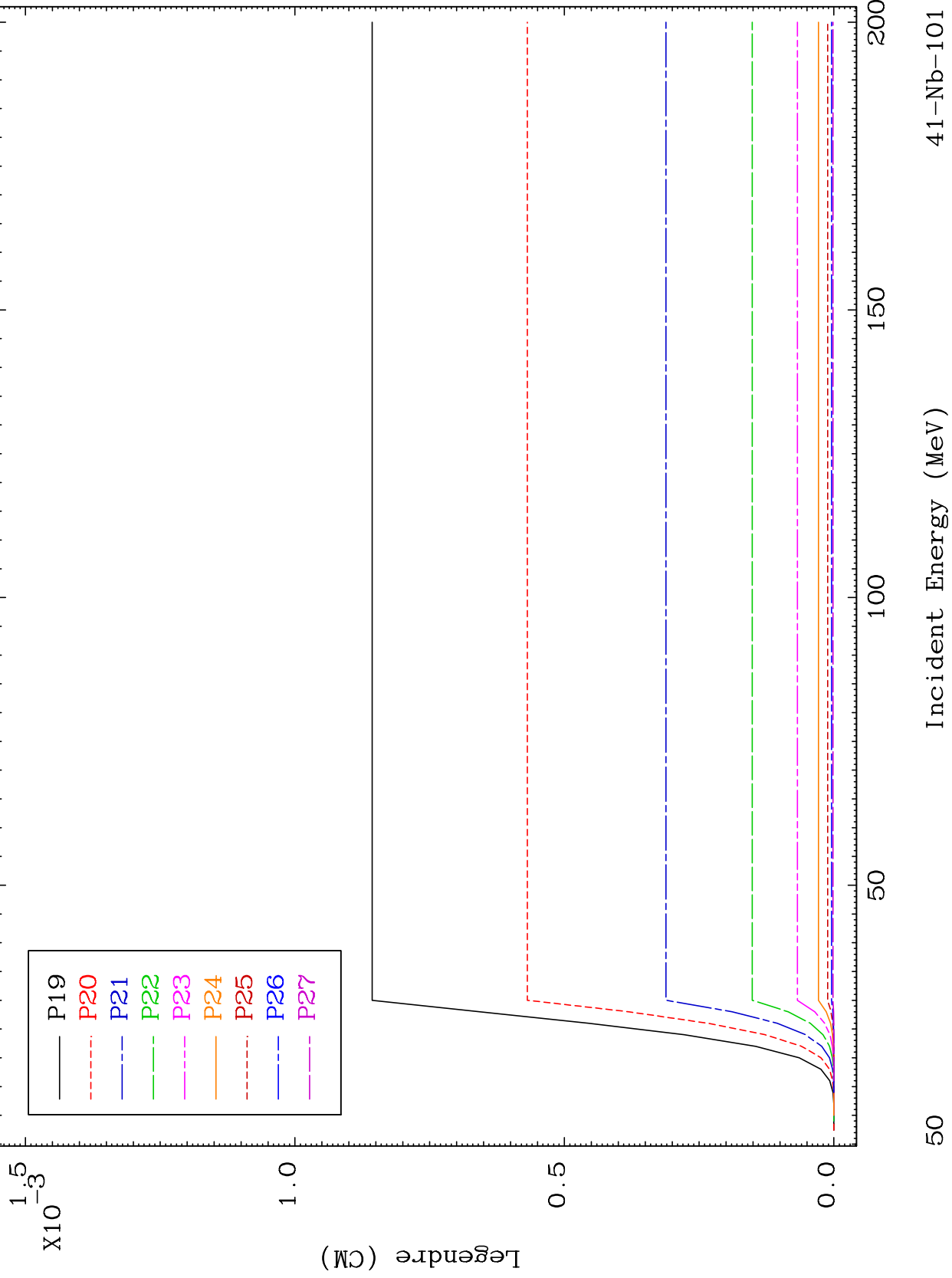


49

MAT 4149

552.5 keV (n,n') Level
Legendre Coefficients

41-Nb-101



41-Nb-101

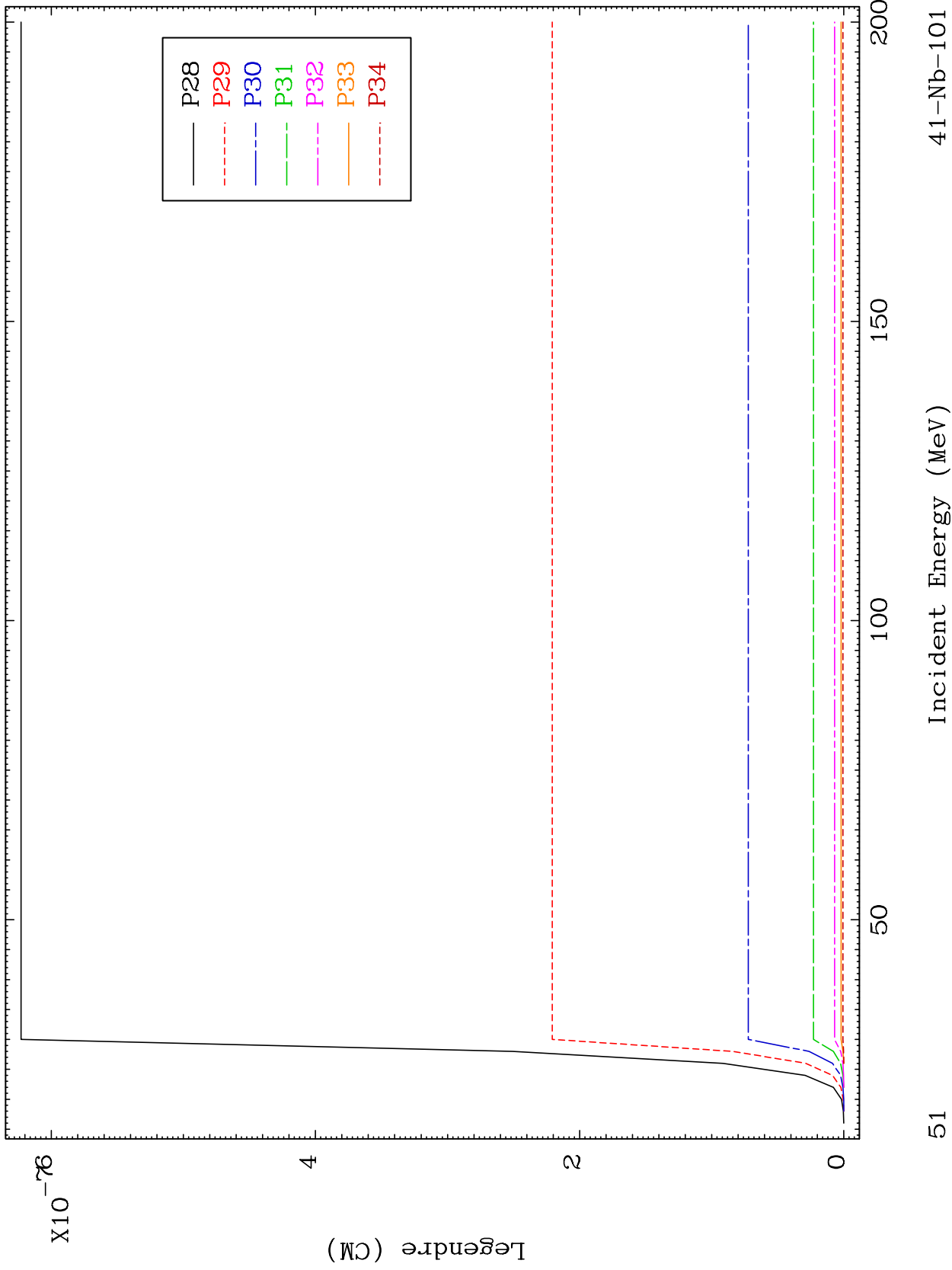
Incident Energy (MeV)

50

MAT 4149

552.5 keV (n, n') Level
Legendre Coefficients

41-Nb-101



51

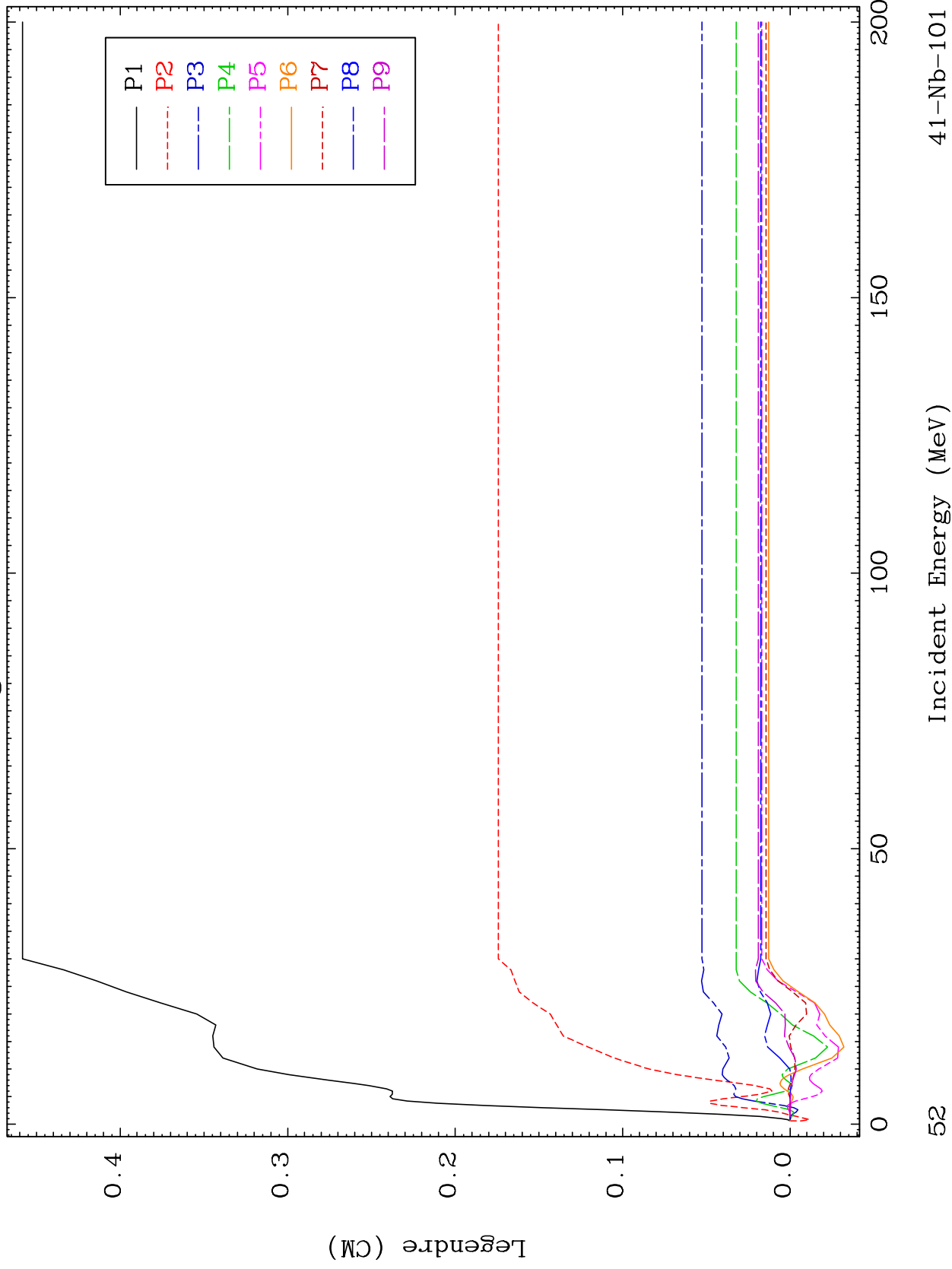
Incident Energy (MeV)

41-Nb-101

MAT 4149

572.8 keV (n, n') Level
Legendre Coefficients

41-Nb-101



41-Nb-101

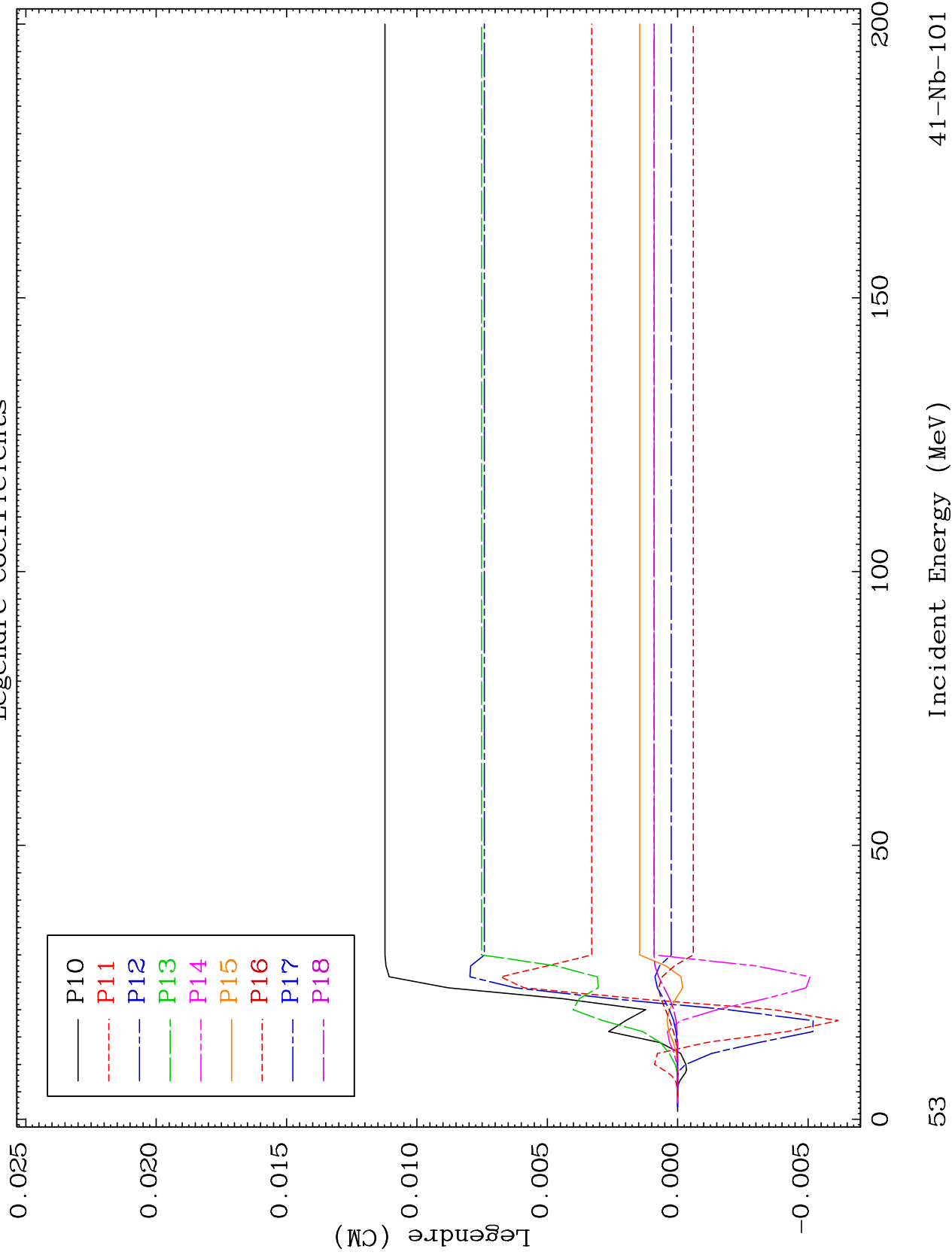
Incident Energy (MeV)

52

MAT 4149

572.8 keV (n,n') Level
Legendre Coefficients

41-Nb-101



53

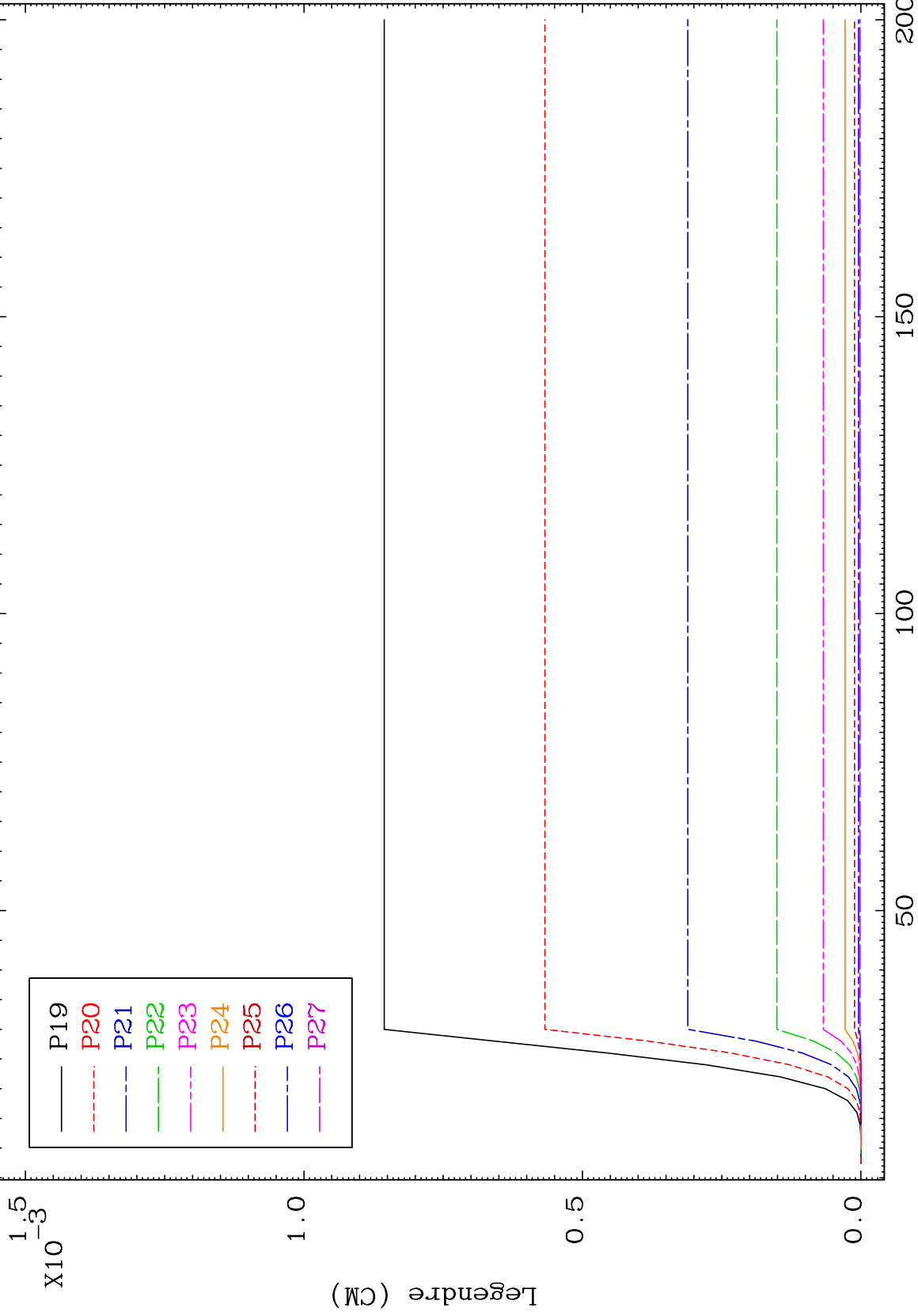
Incident Energy (MeV)

41-Nb-101

MAT 4149

572.8 keV (n,n') Level
Legendre Coefficients

41-Nb-101



54

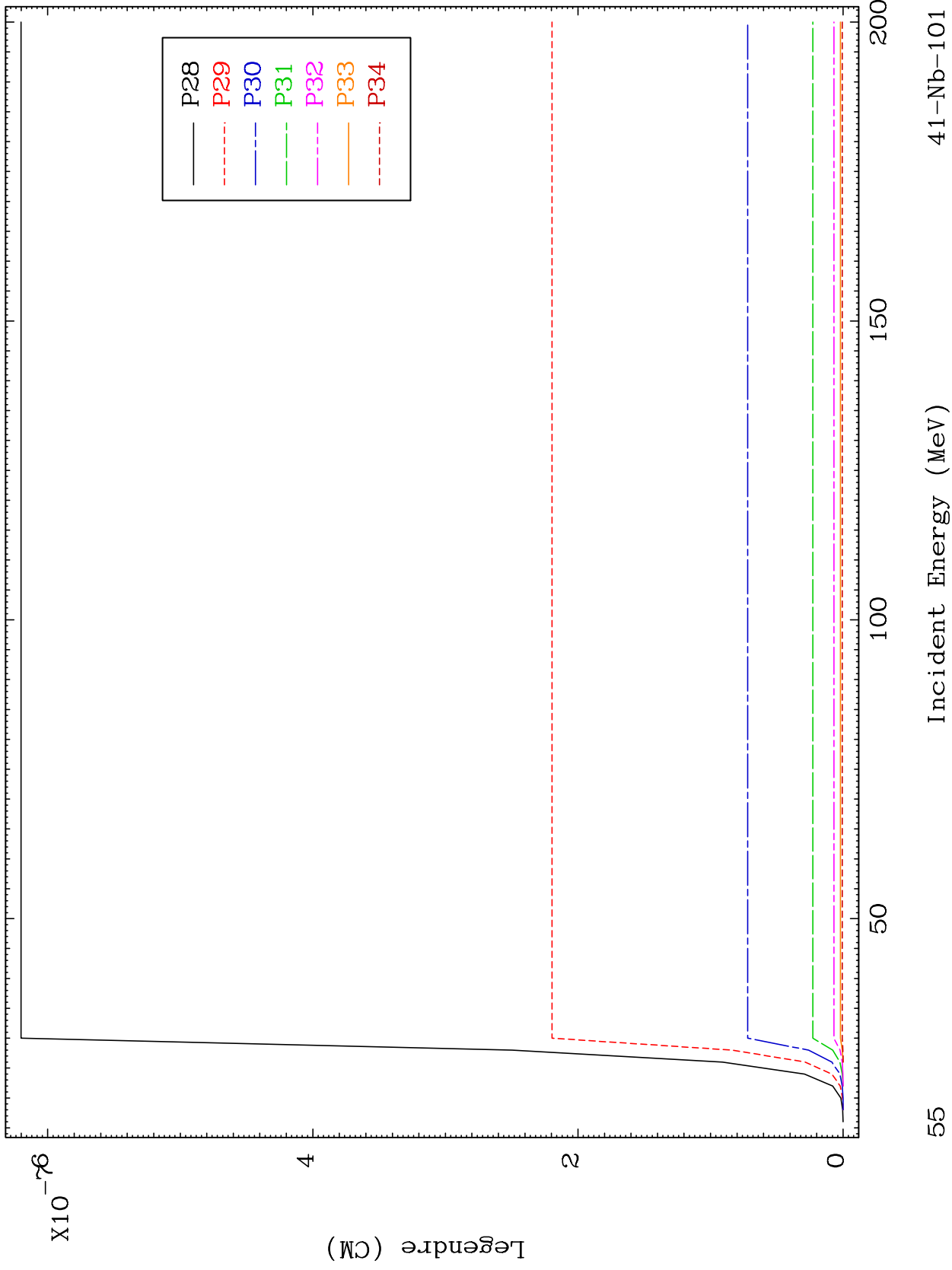
Incident Energy (MeV)

41-Nb-101

MAT 4149

572.8 keV (n,n') Level
Legendre Coefficients

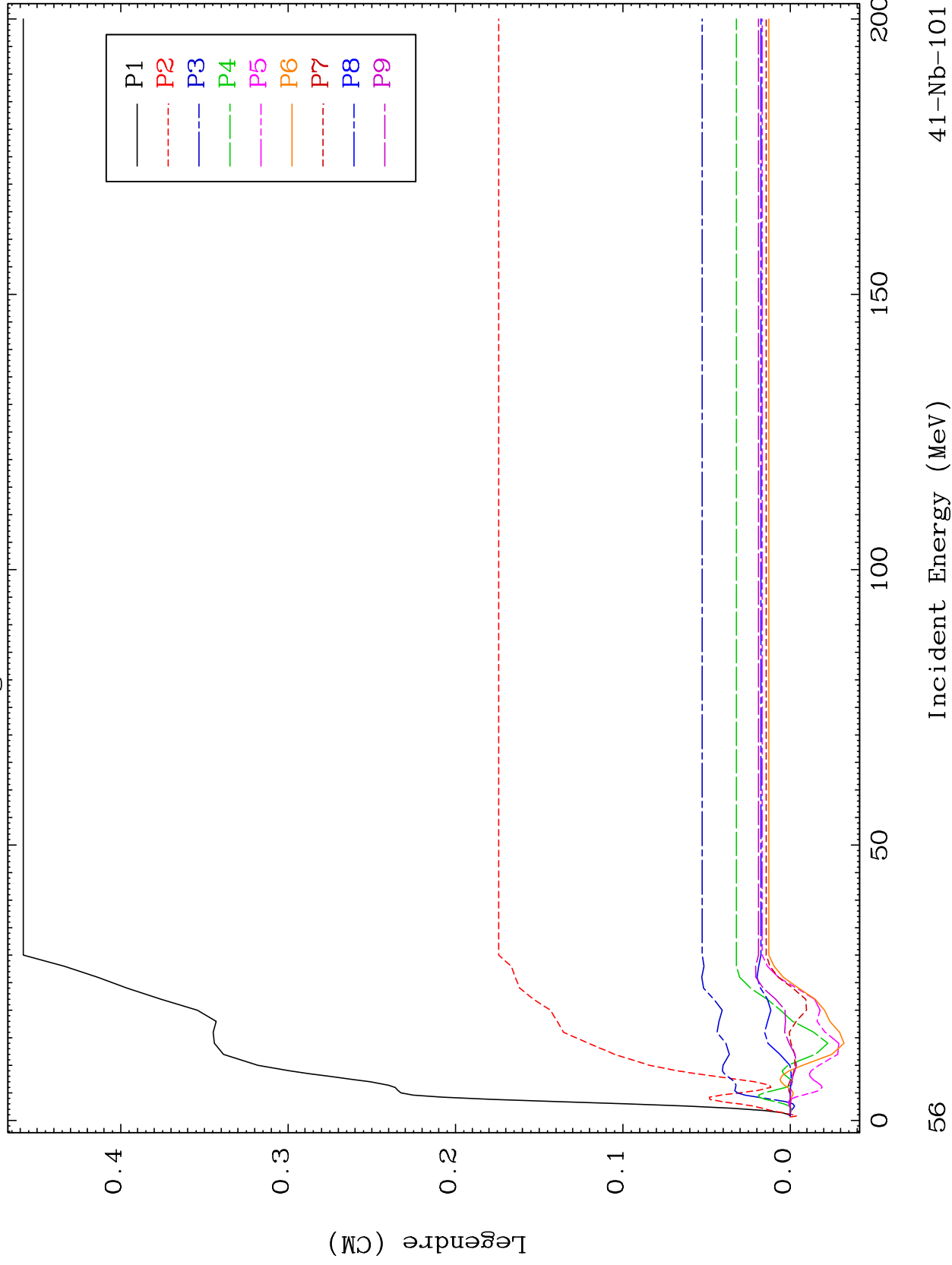
41-Nb-101



MAT 4149

593.4 keV (n,n') Level
Legendre Coefficients

41-Nb-101



41-Nb-101

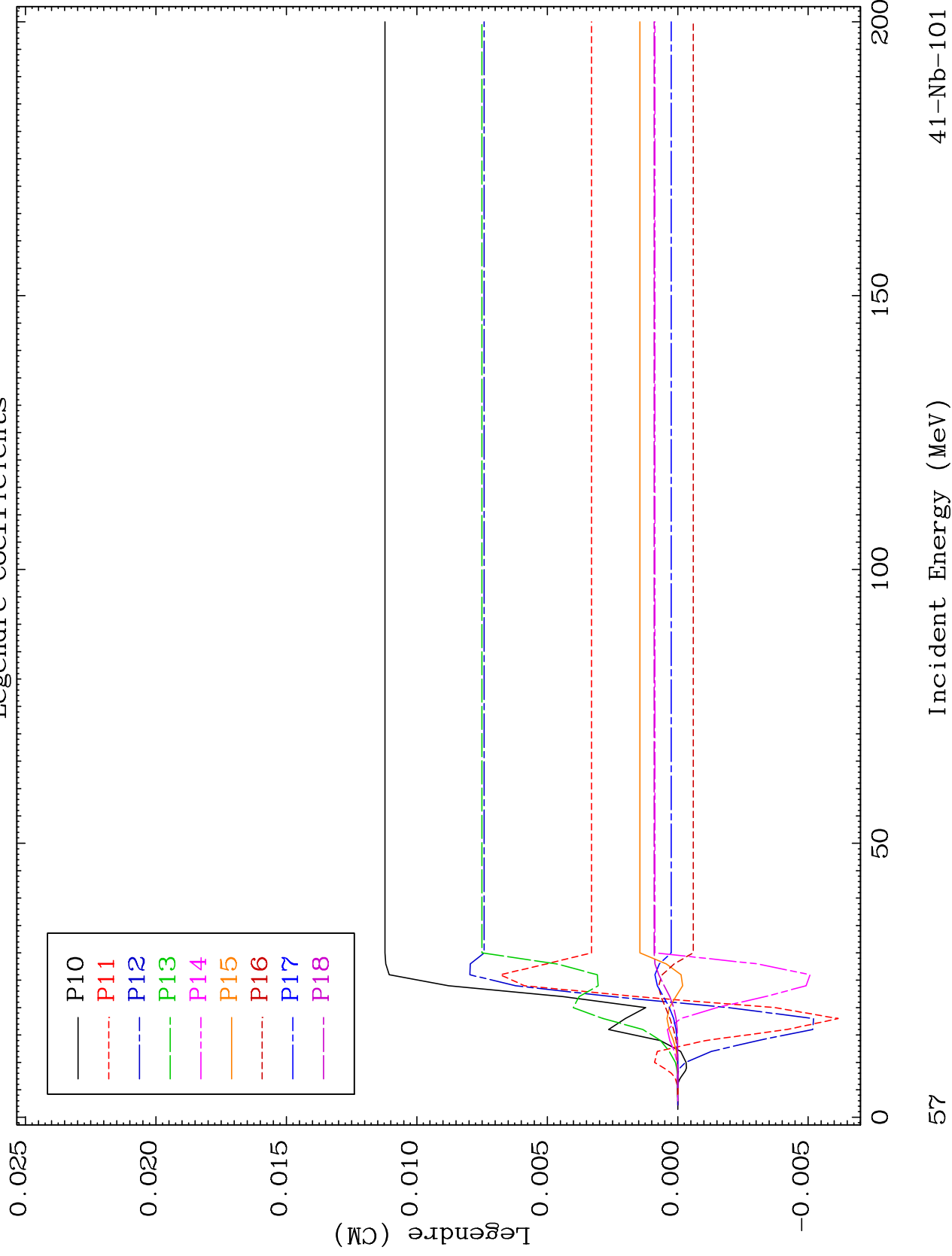
Incident Energy (MeV)

56

MAT 4149

593.4 keV (n,n') Level
Legendre Coefficients

41-Nb-101



41-Nb-101

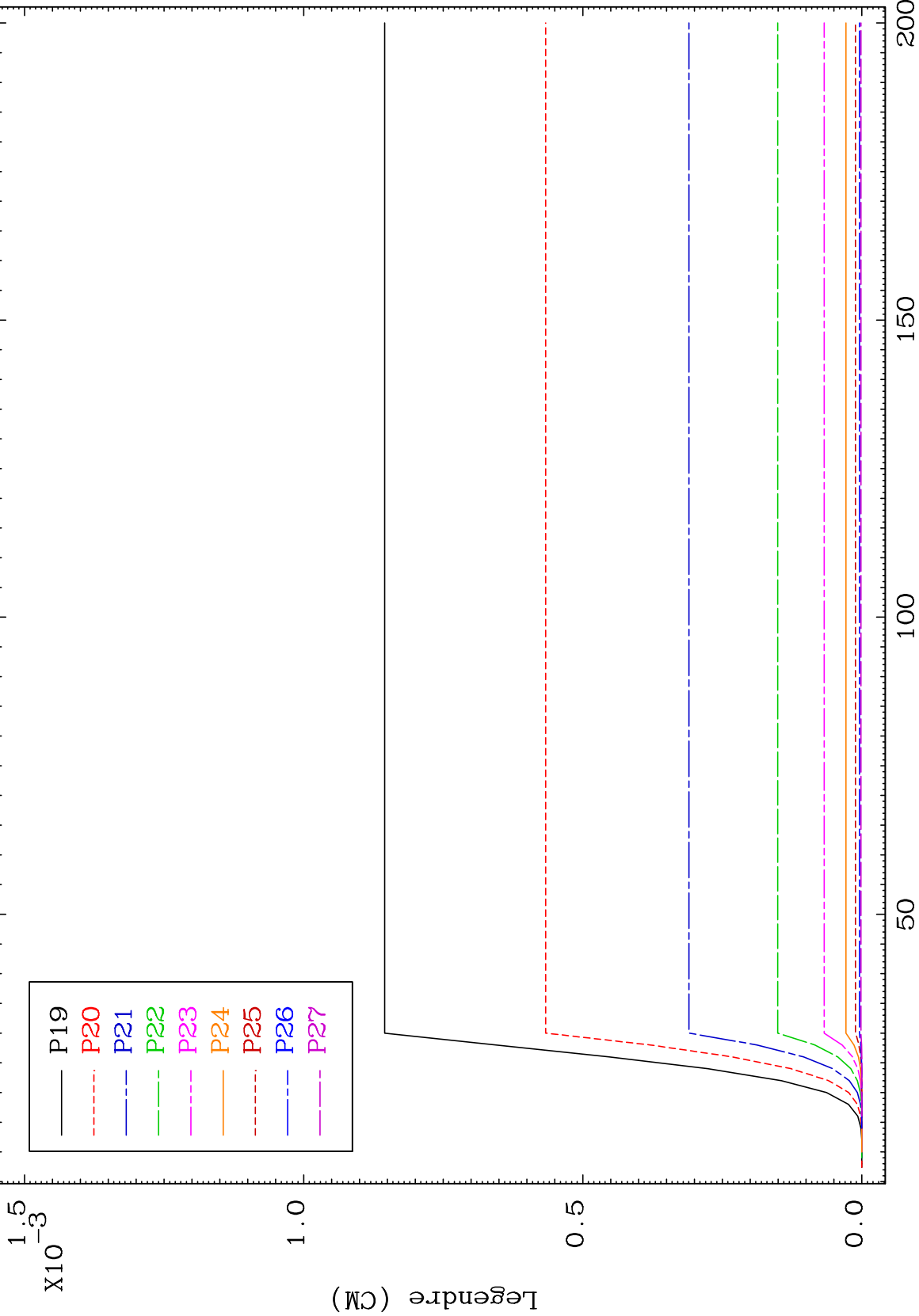
Incident Energy (MeV)

57

MAT 4149

593.4 keV (n,n') Level
Legendre Coefficients

41-Nb-101



58

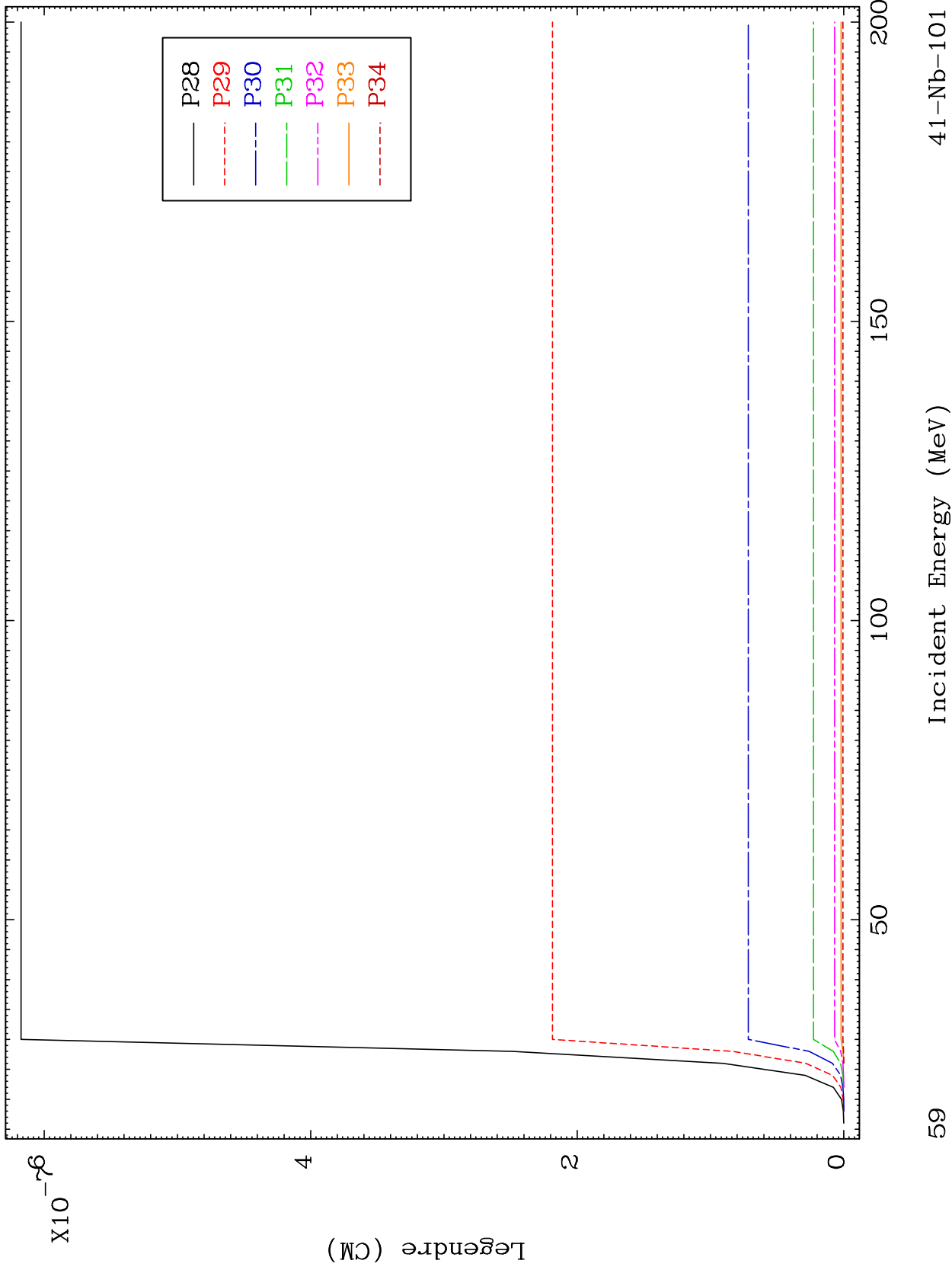
Incident Energy (MeV)

41-Nb-101

MAT 4149

593.4 keV (n,n') Level
Legendre Coefficients

41-Nb-101

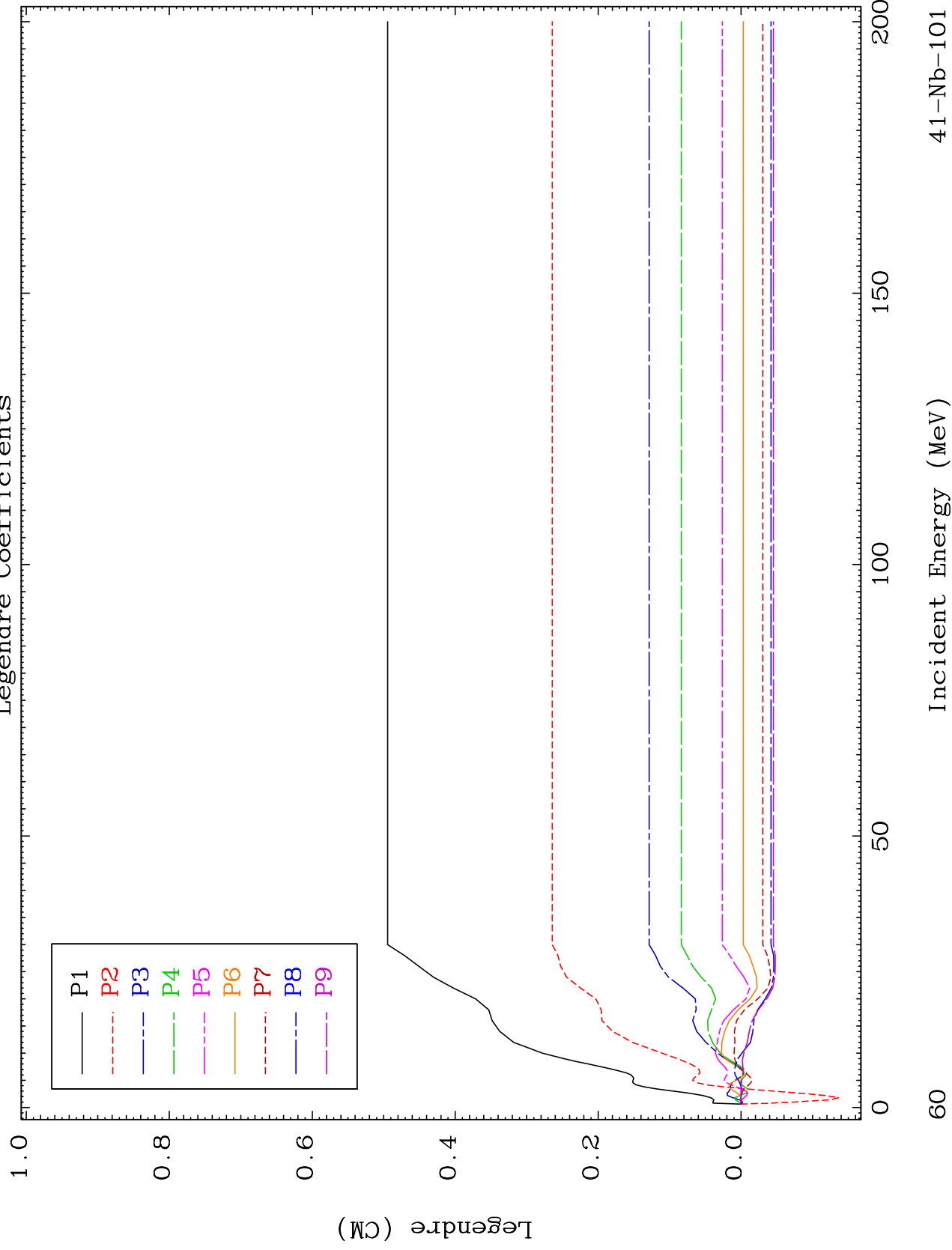


59

MAT 4149

597.9 keV (n,n') Level
Legendre Coefficients

41-Nb-101



41-Nb-101

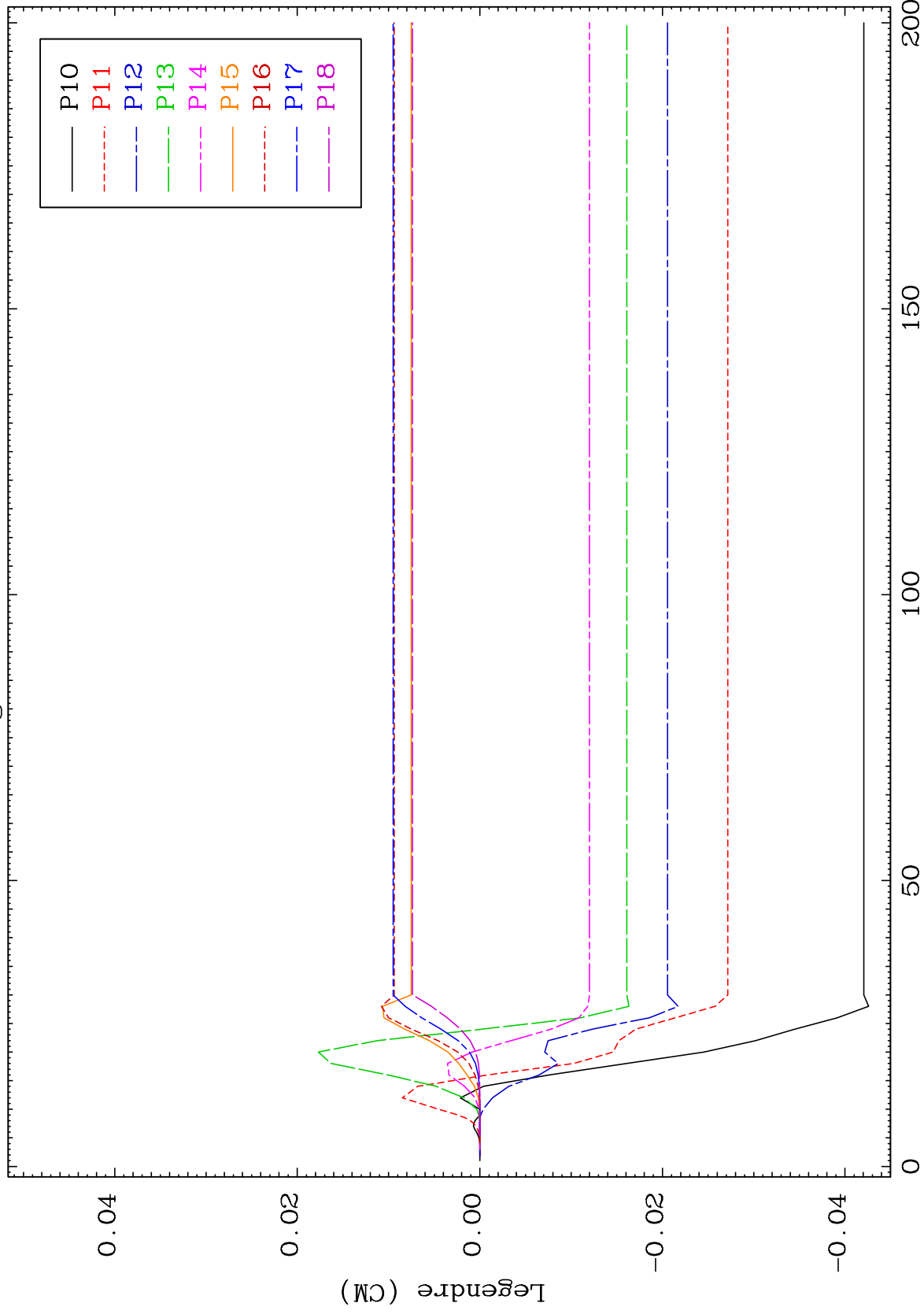
Incident Energy (MeV)

60

MAT 4149

597.9 keV (n,n') Level
Legendre Coefficients

41-Nb-101



61

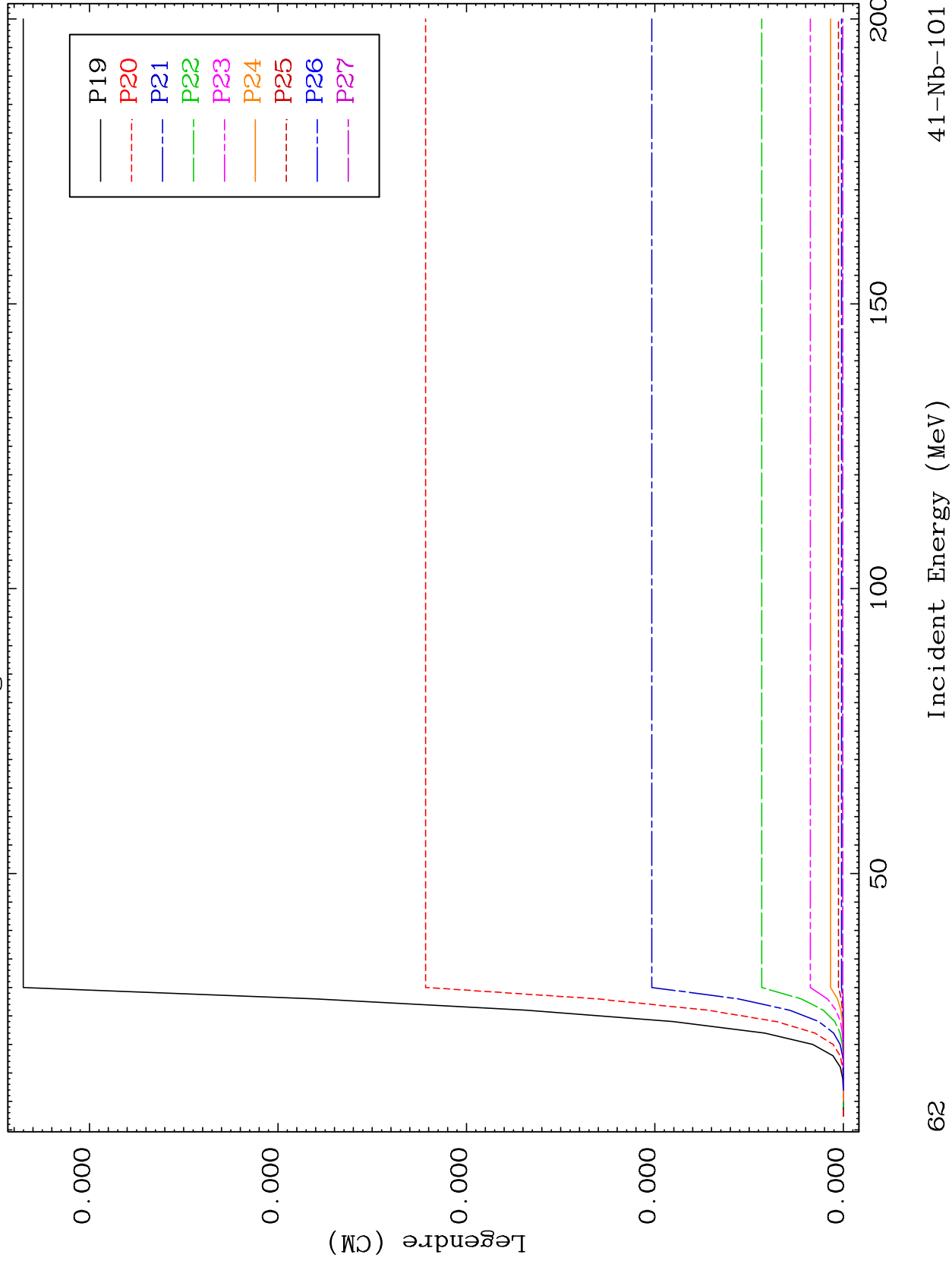
Incident Energy (MeV)

41-Nb-101

MAT 4149

597.9 keV (n, n') Level
Legendre Coefficients

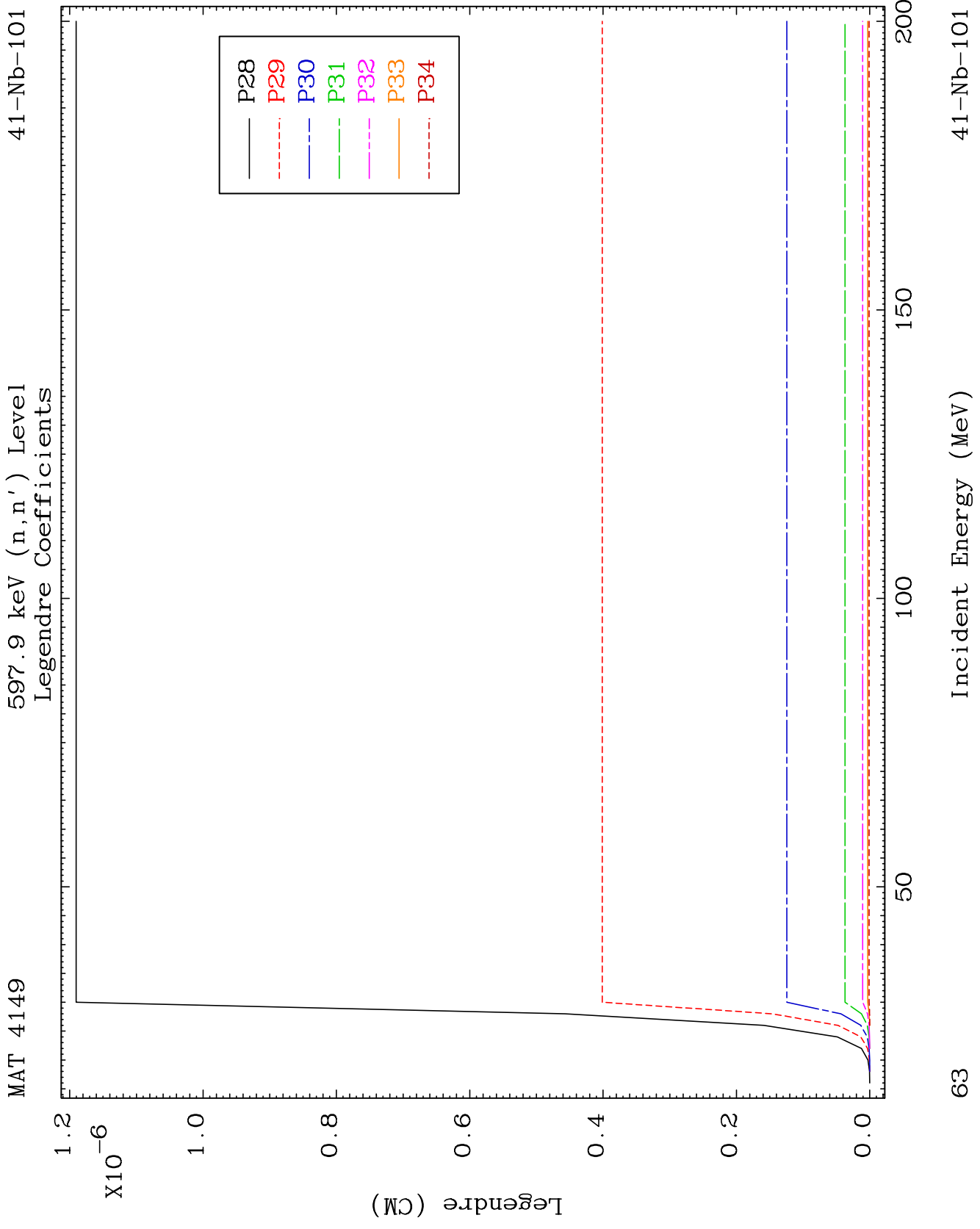
41-Nb-101



62

Incident Energy (MeV)

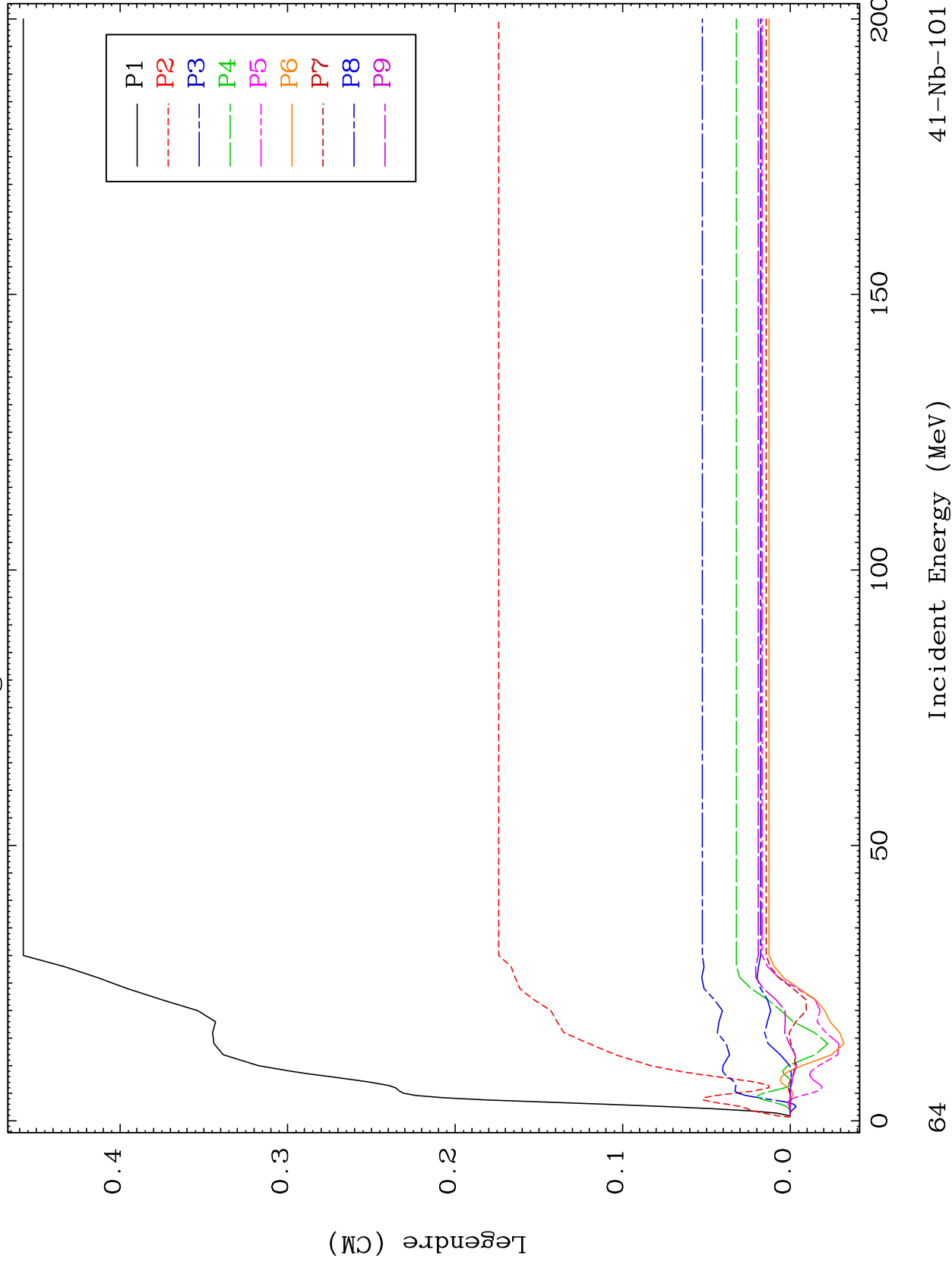
41-Nb-101



MAT 4149

673.2 keV (n,n') Level
Legendre Coefficients

41-Nb-101



41-Nb-101

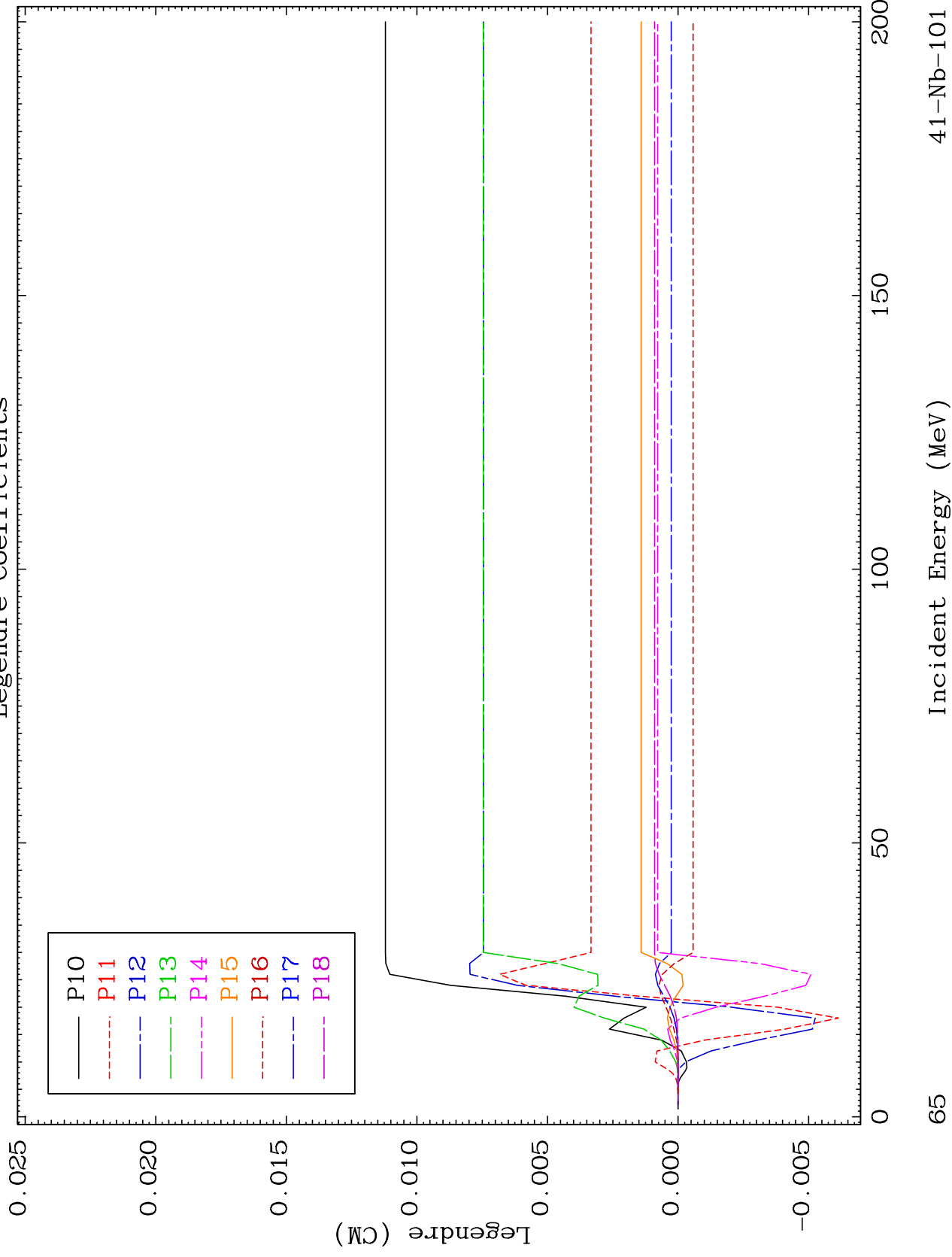
Incident Energy (MeV)

64

MAT 4149

673.2 keV (n, n') Level
Legendre Coefficients

41-Nb-101



65

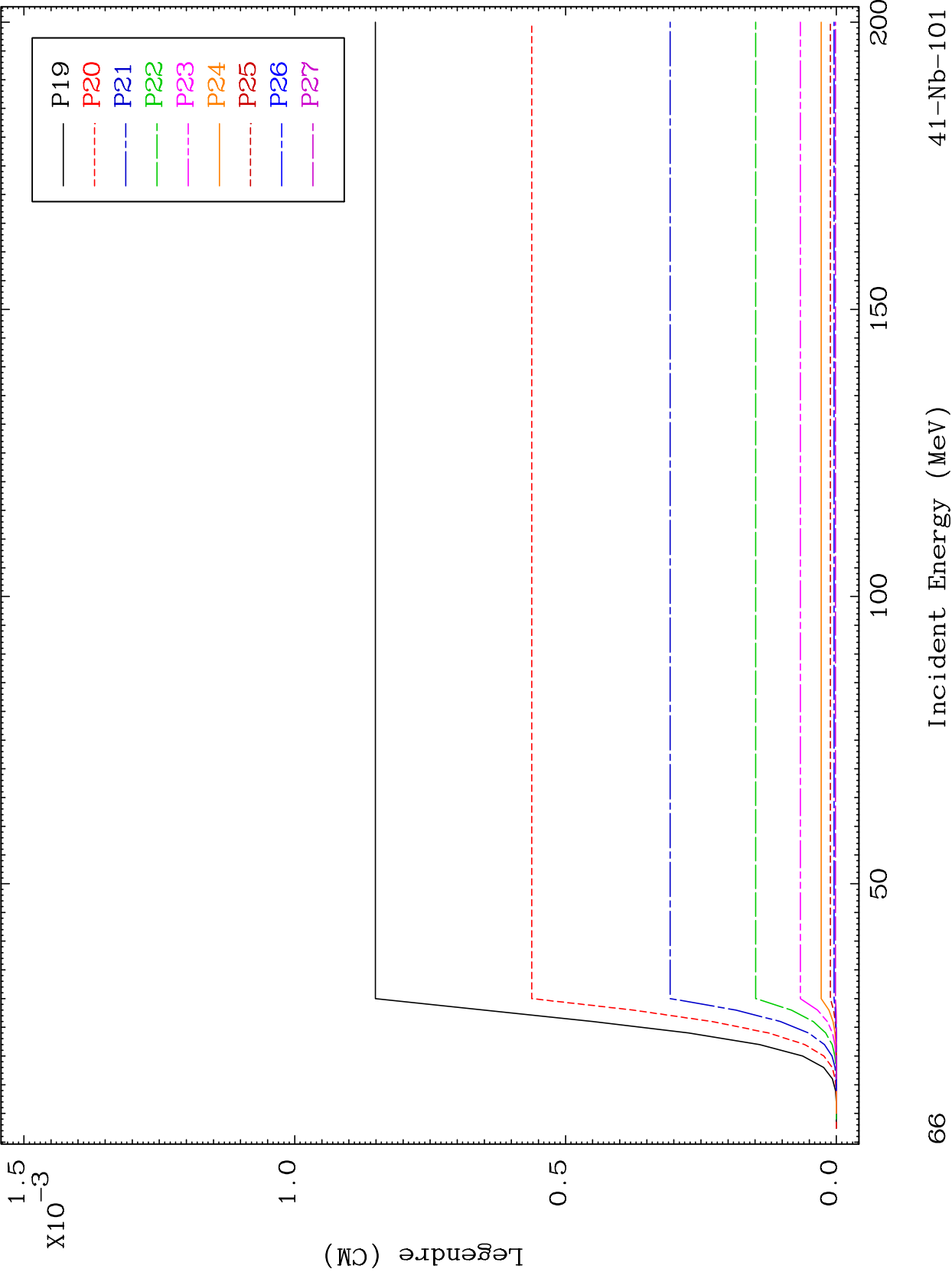
Incident Energy (MeV)

41-Nb-101

MAT 4149

673.2 keV (n,n') Level
Legendre Coefficients

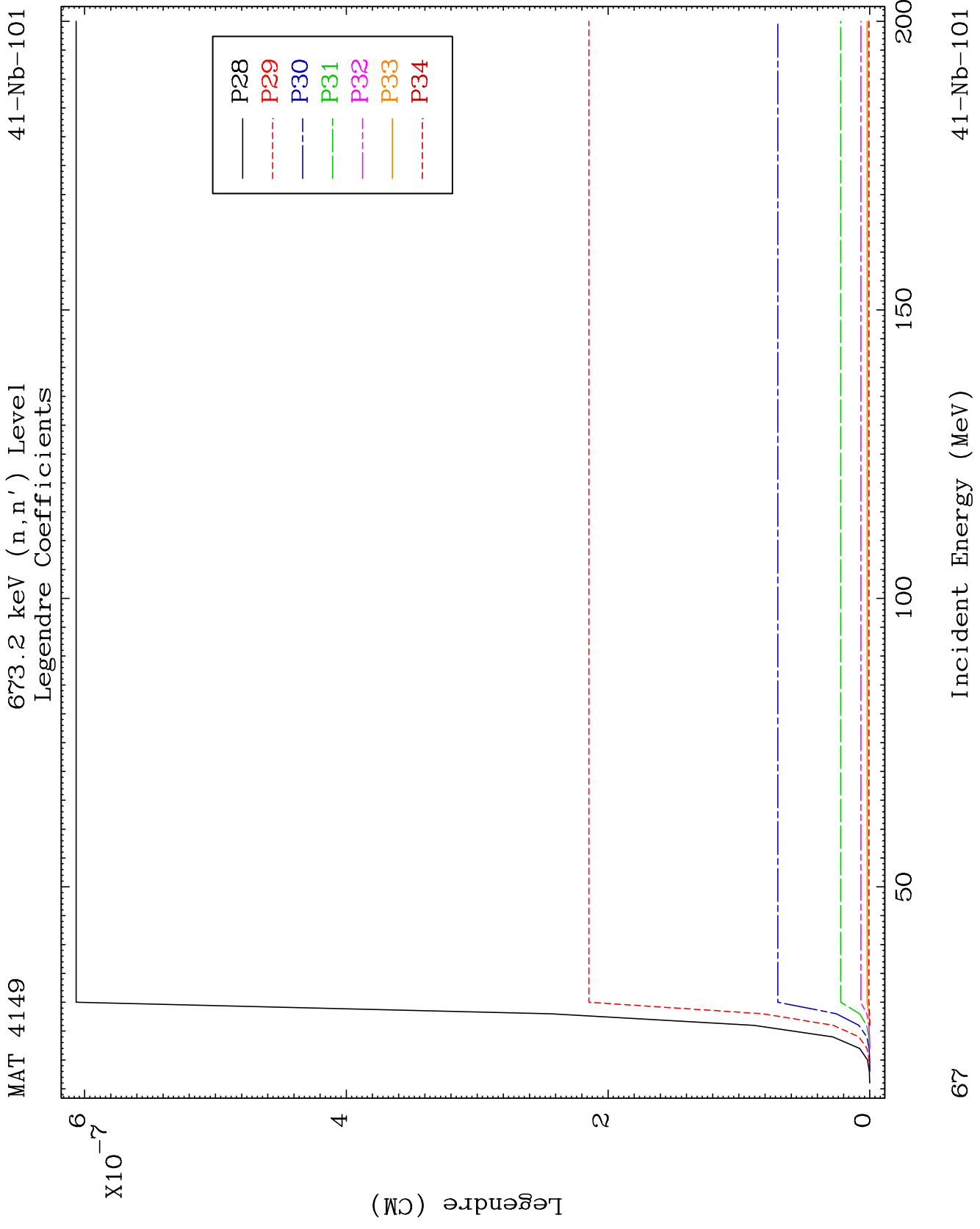
41-Nb-101



66

Incident Energy (MeV)

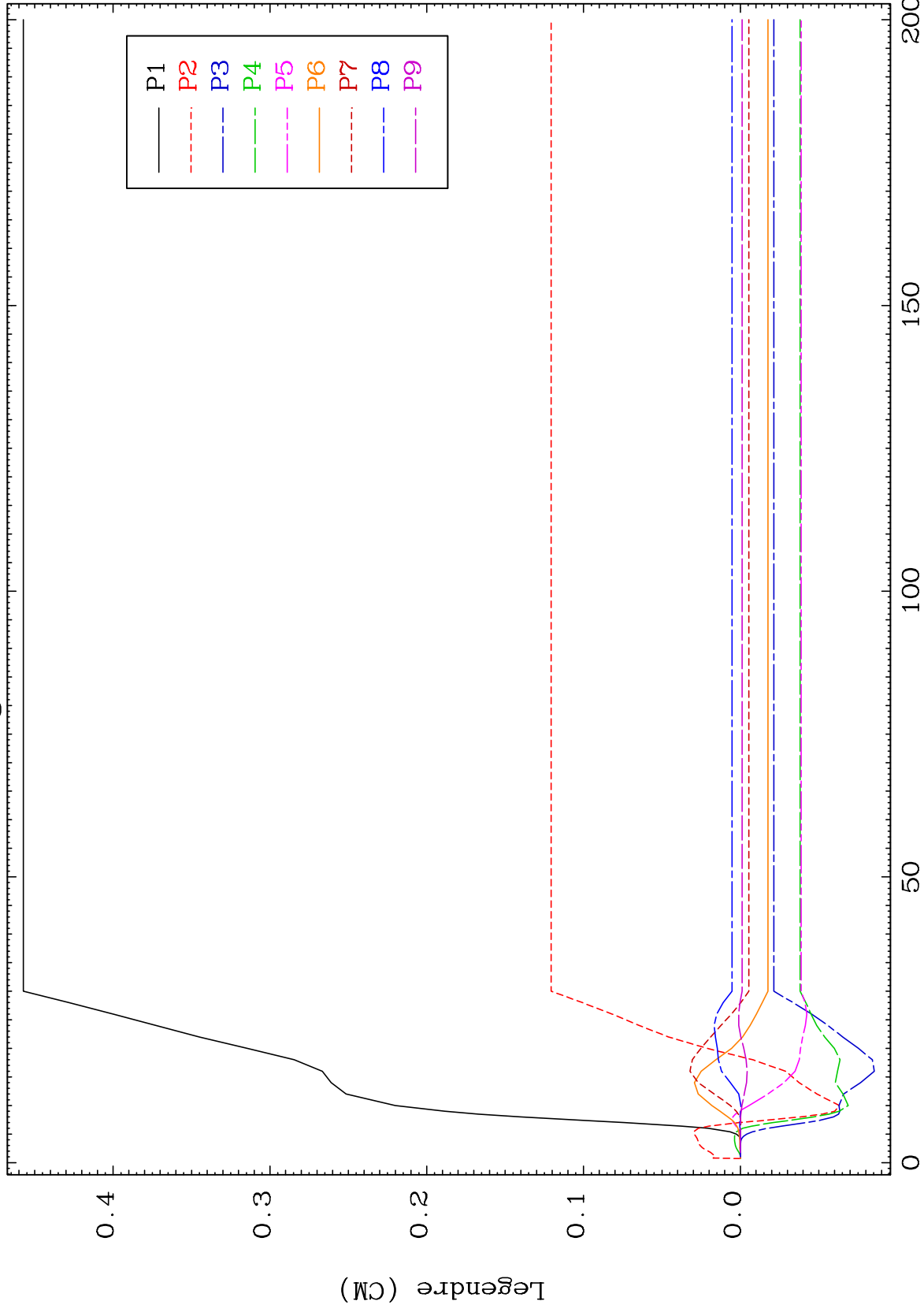
41-Nb-101



MAT 4149

702.6 keV (n,n') Level
Legendre Coefficients

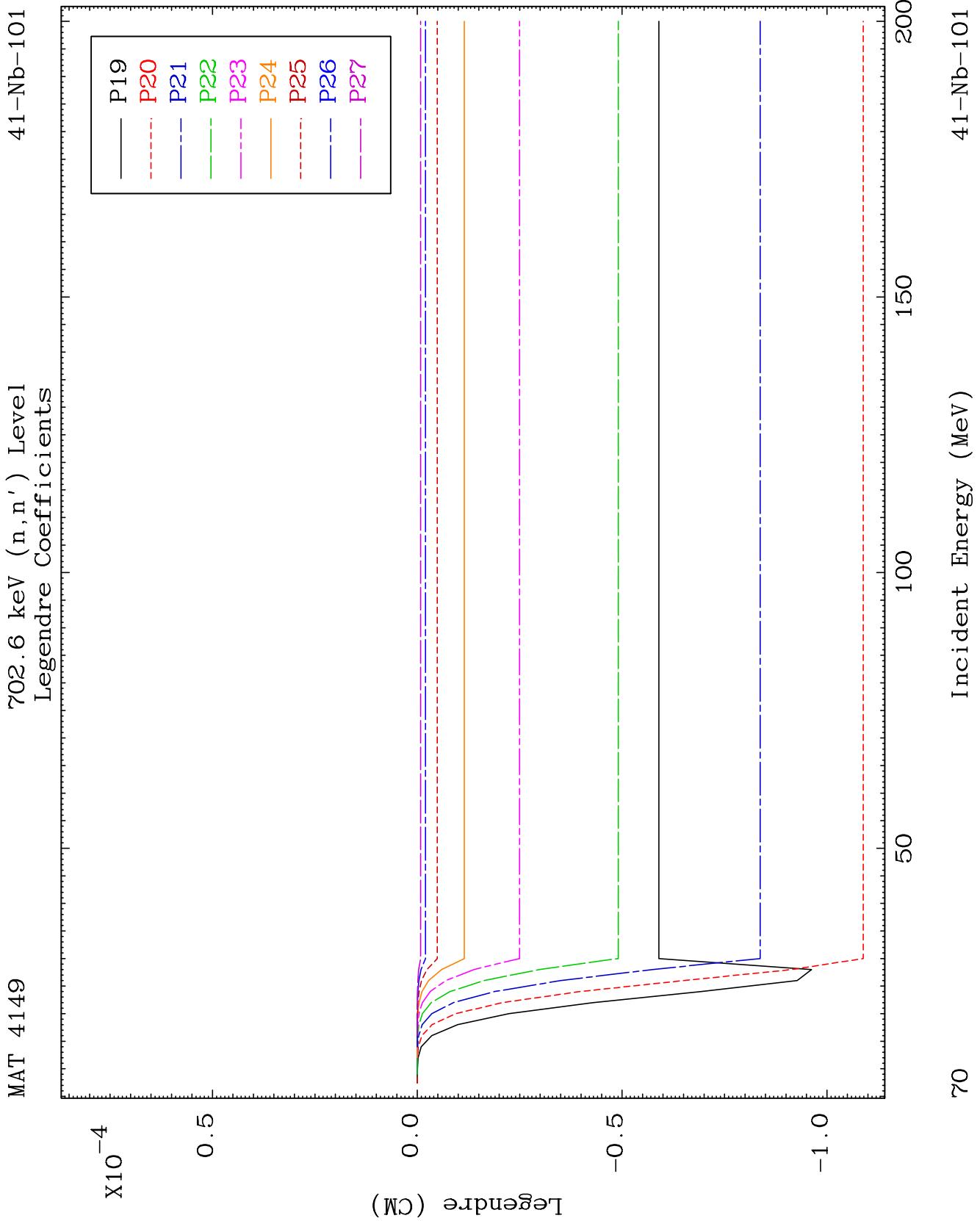
41-Nb-101

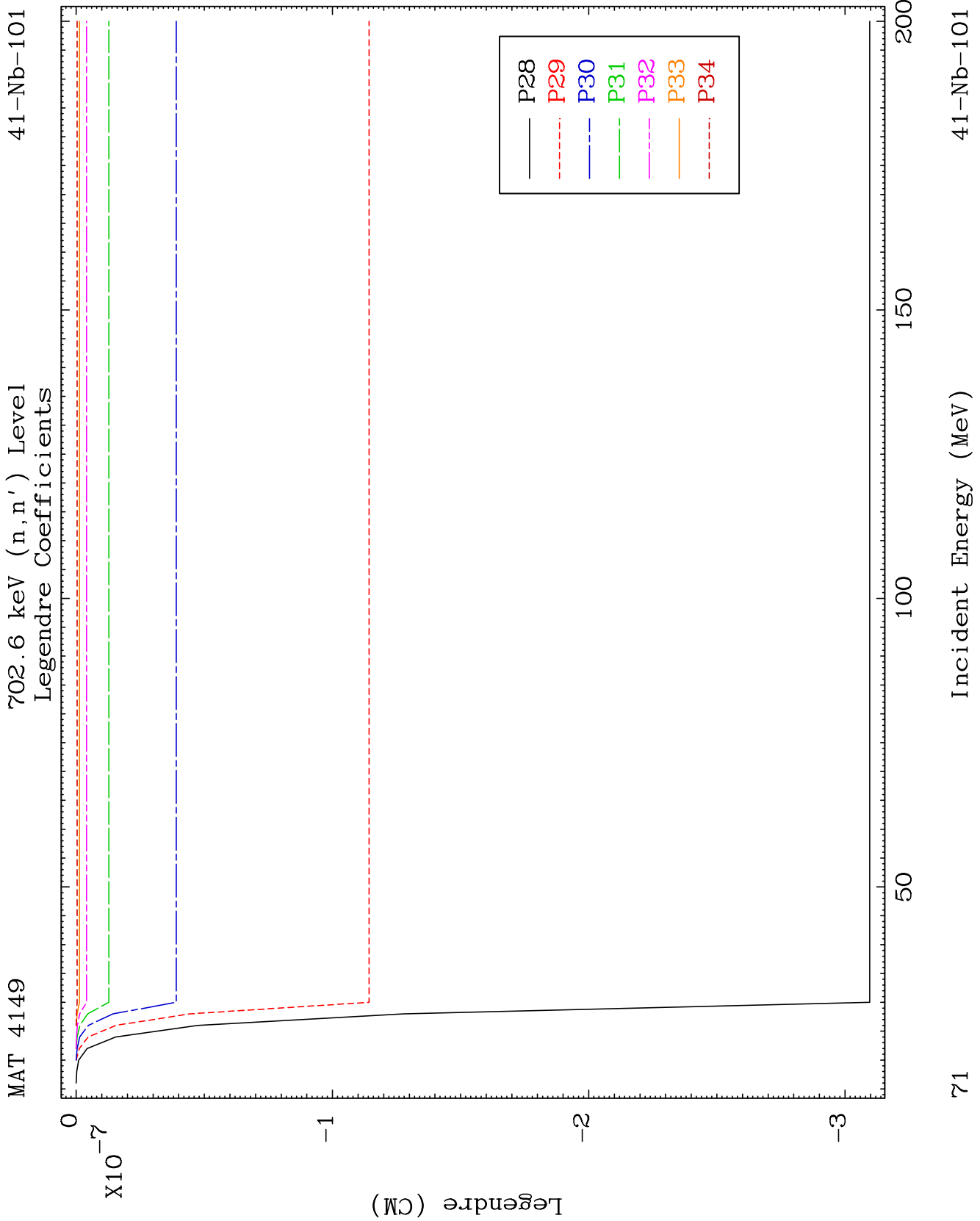


41-Nb-101

Incident Energy (MeV)

68

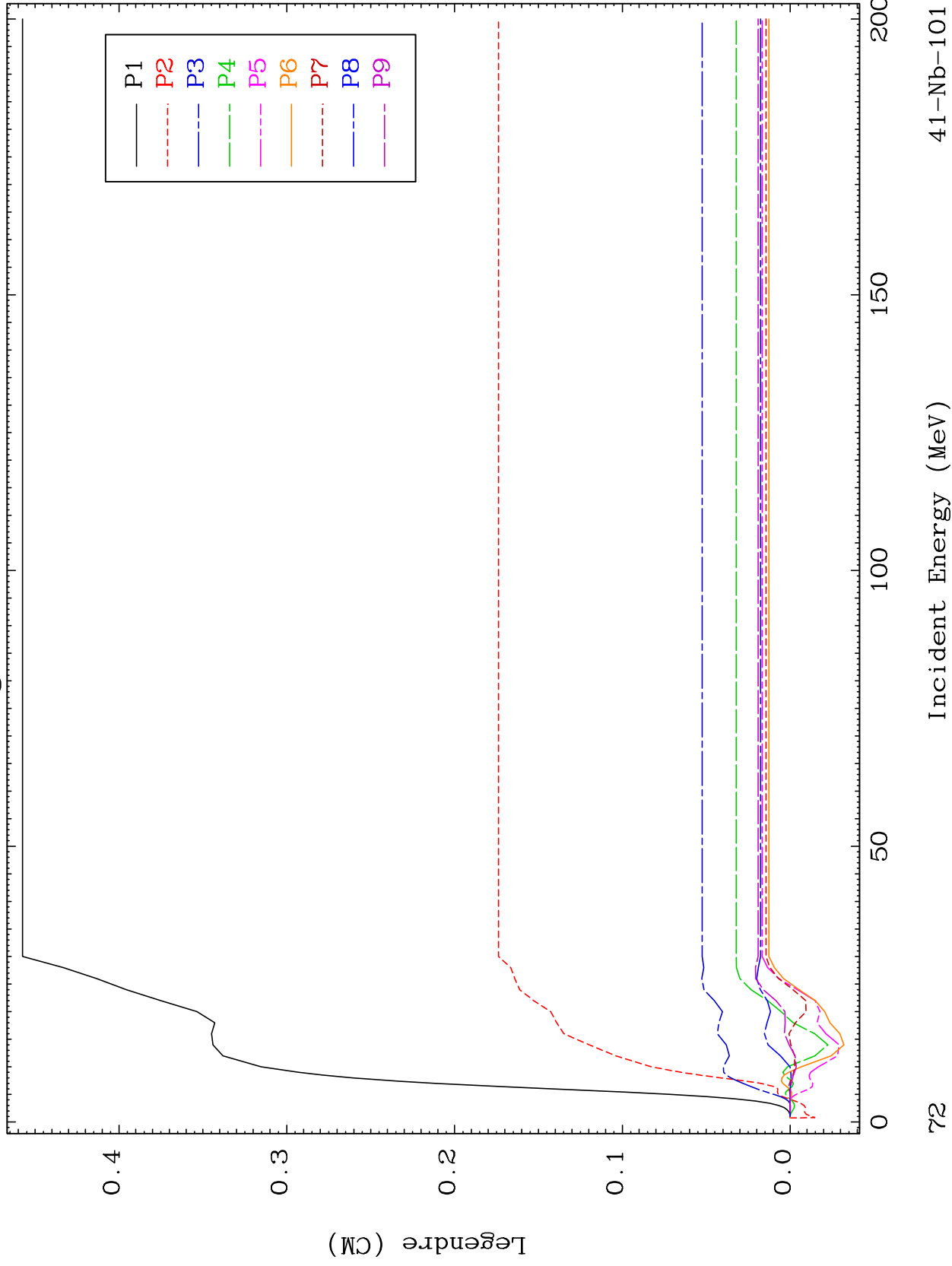




MAT 4149

722.2 keV (n,n') Level
Legendre Coefficients

41-Nb-101



41-Nb-101

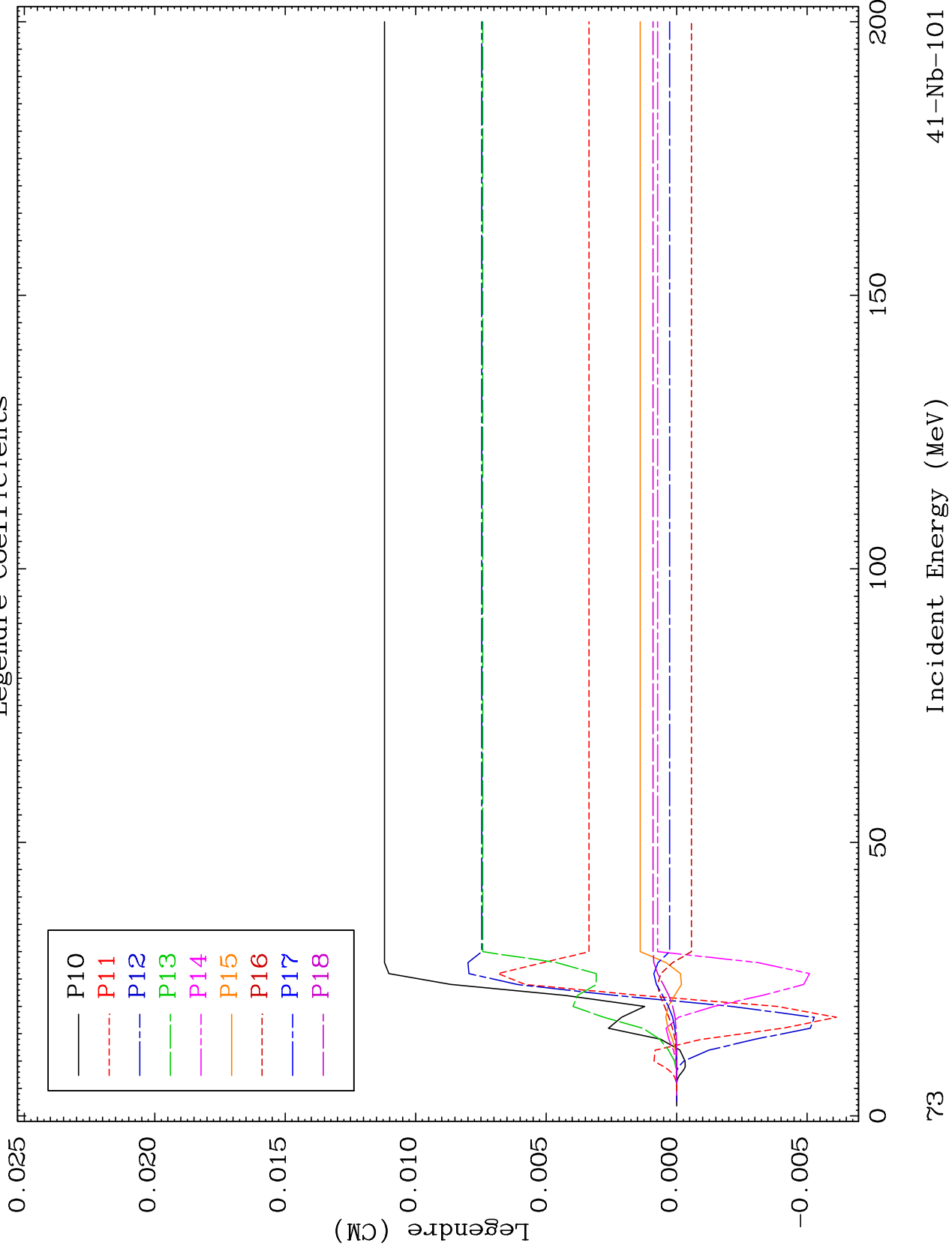
Incident Energy (MeV)

72

MAT 4149

722.2 keV (n,n') Level
Legendre Coefficients

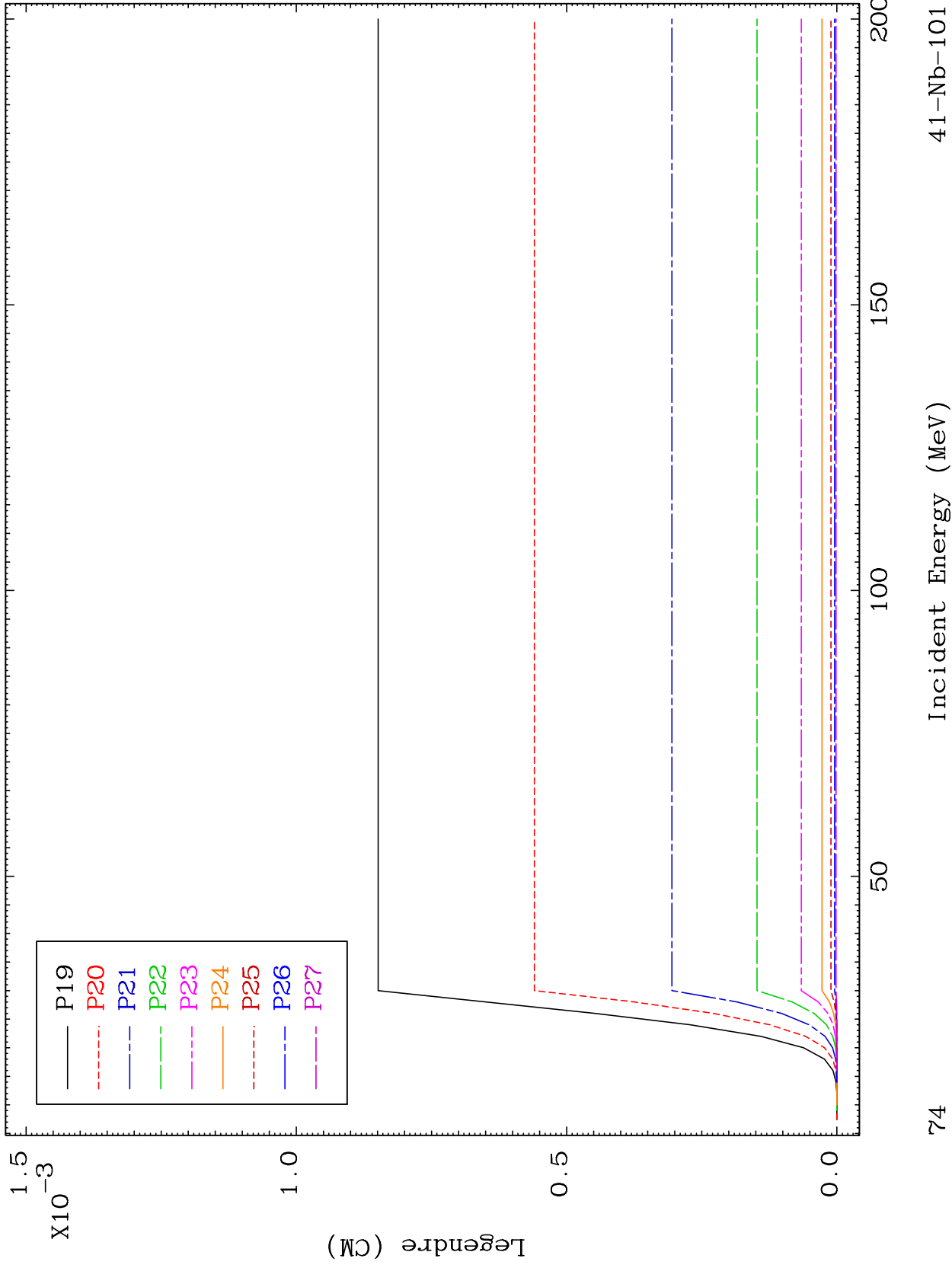
41-Nb-101

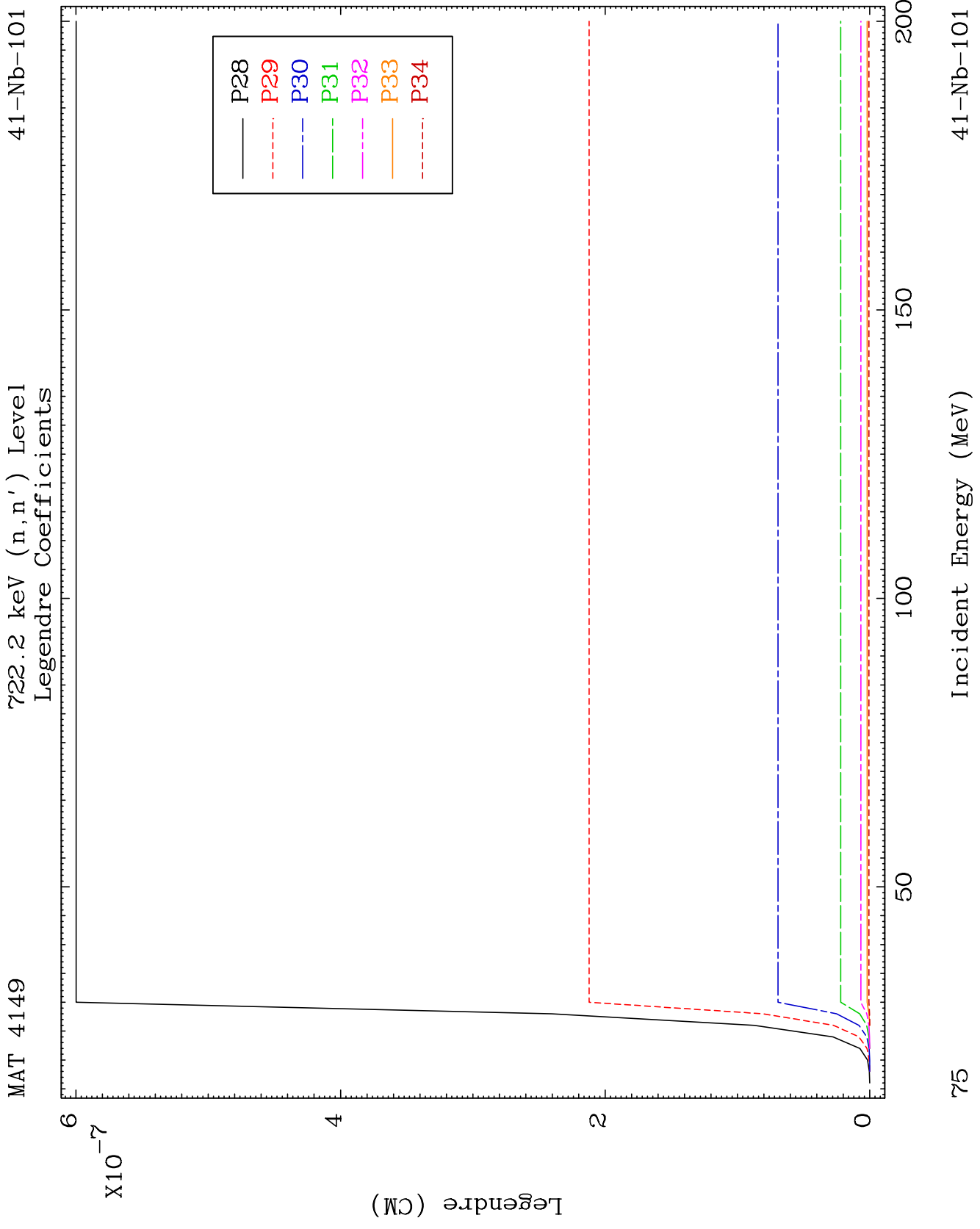


73

Incident Energy (MeV)

41-Nb-101

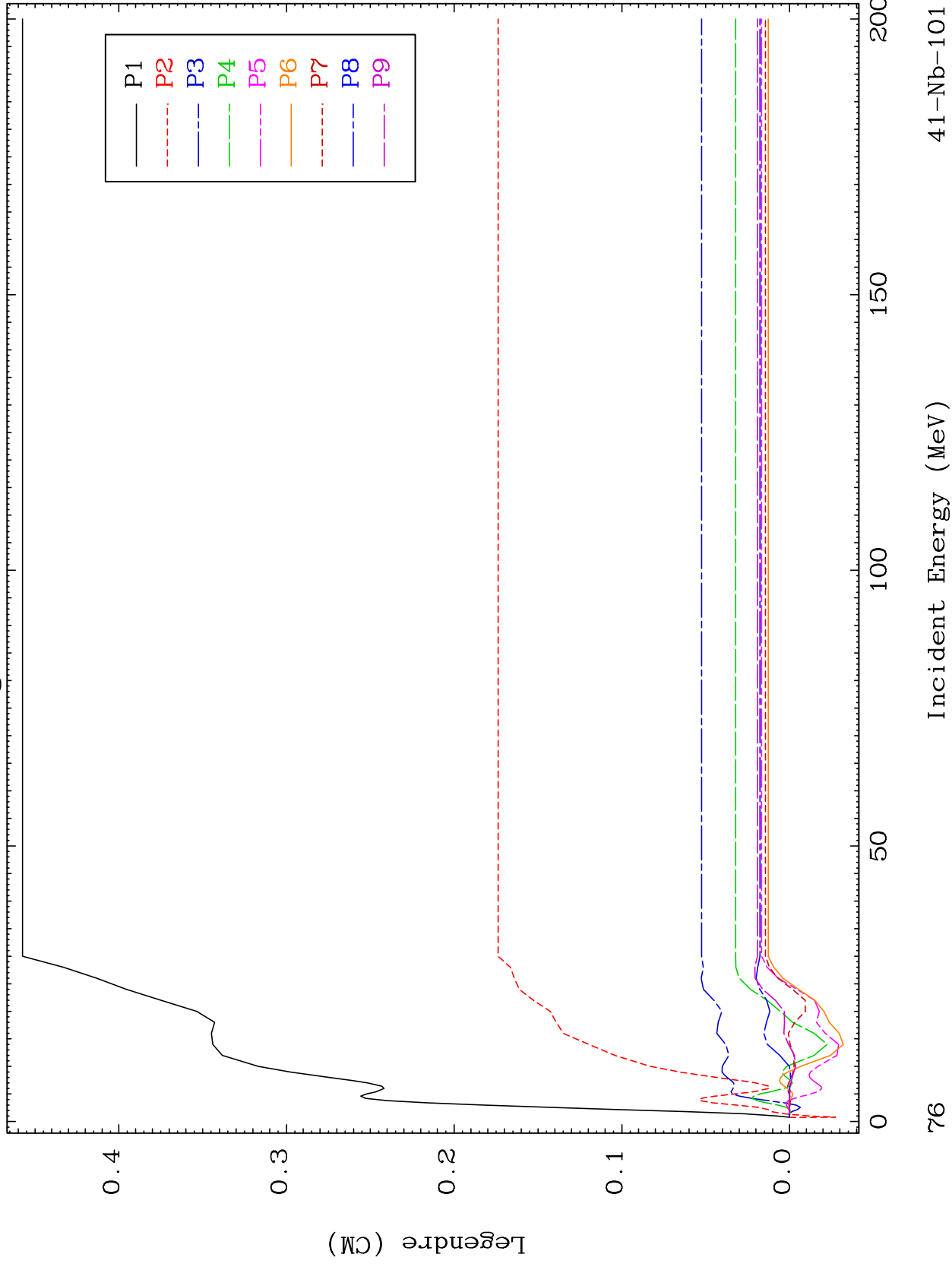




MAT 4149

729.3 keV (n,n') Level
Legendre Coefficients

41-Nb-101



76

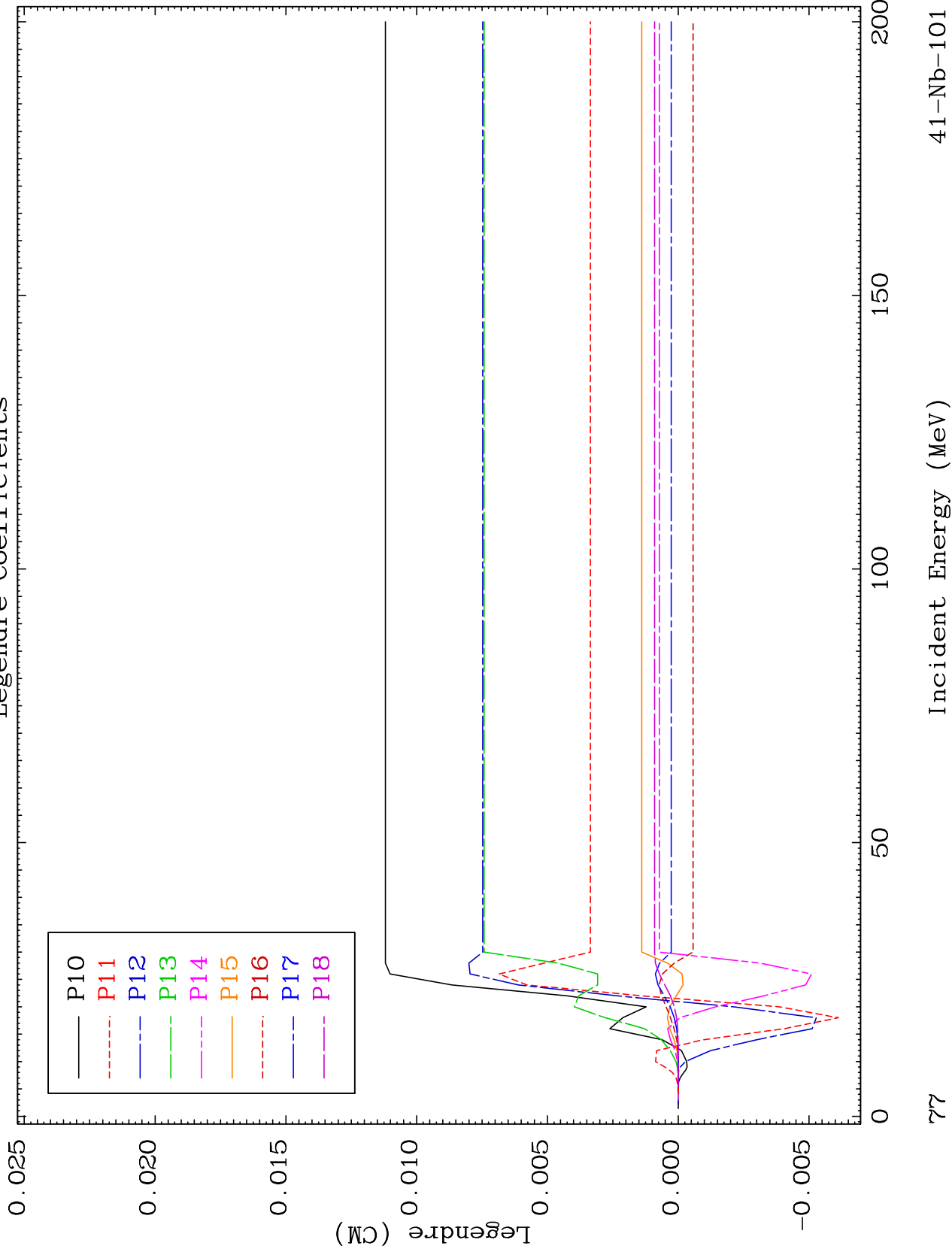
Incident Energy (MeV)

41-Nb-101

MAT 4149

729.3 keV (n,n') Level
Legendre Coefficients

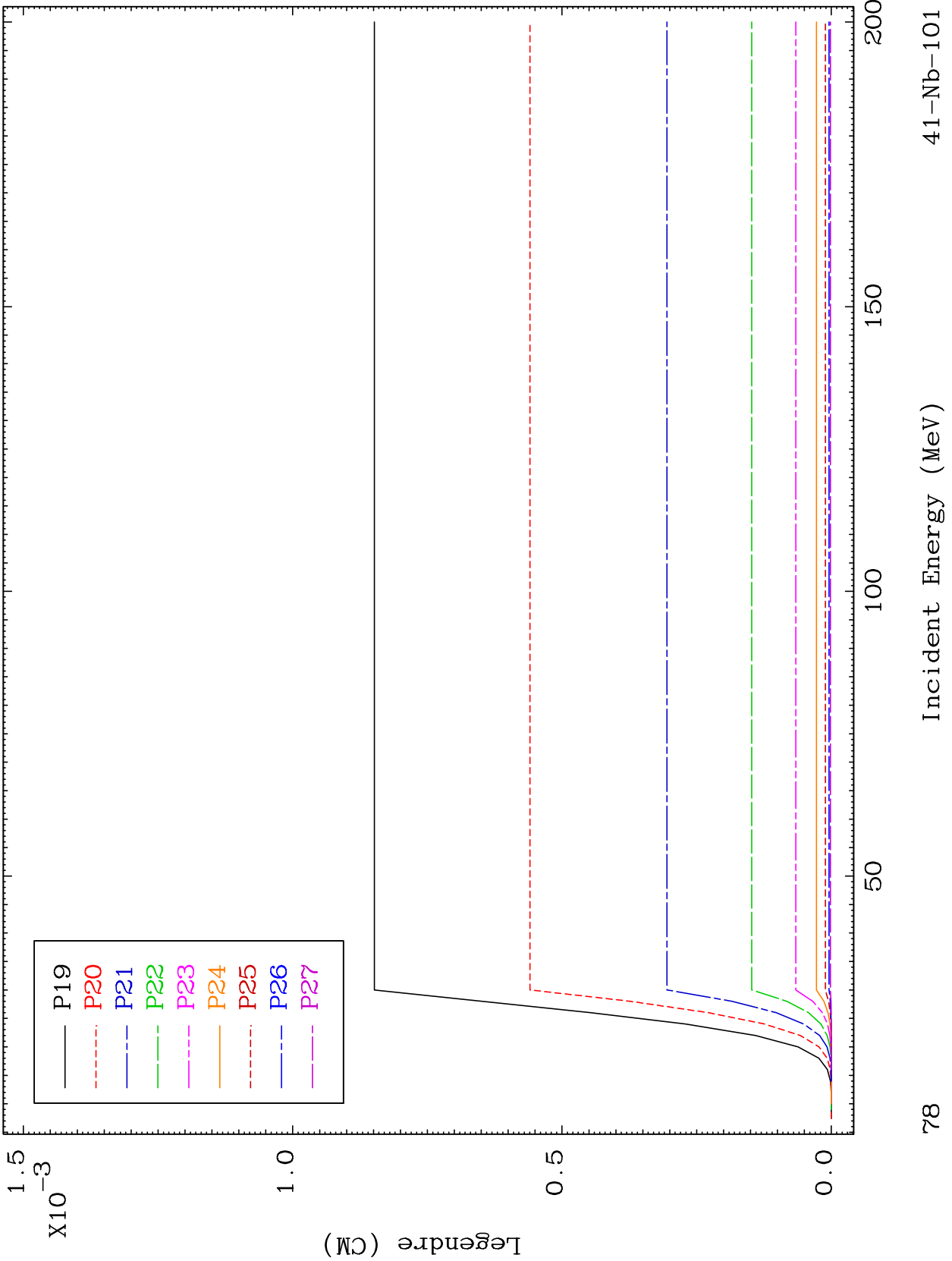
41-Nb-101



MAT 4149

729.3 keV (n,n') Level
Legendre Coefficients

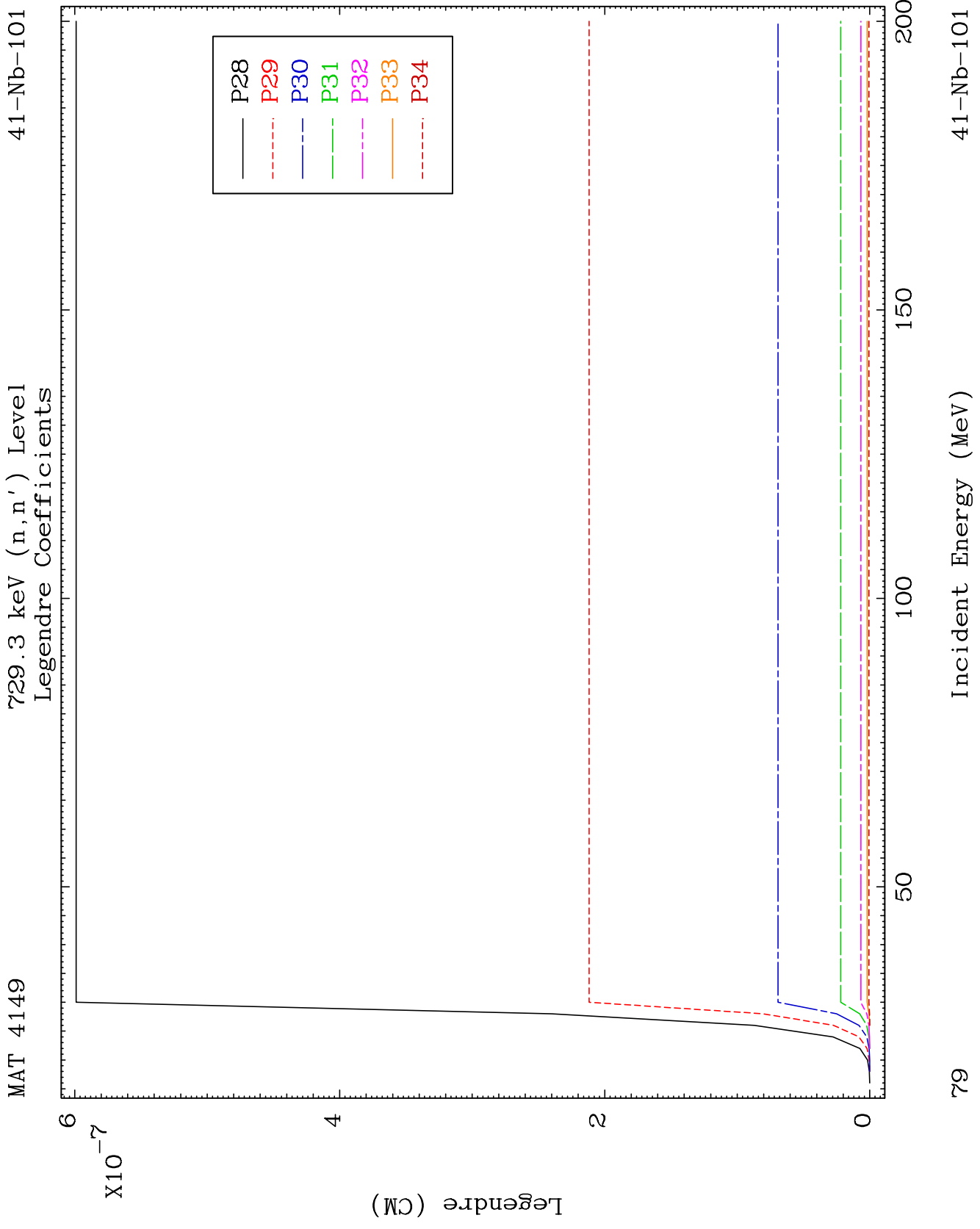
41-Nb-101

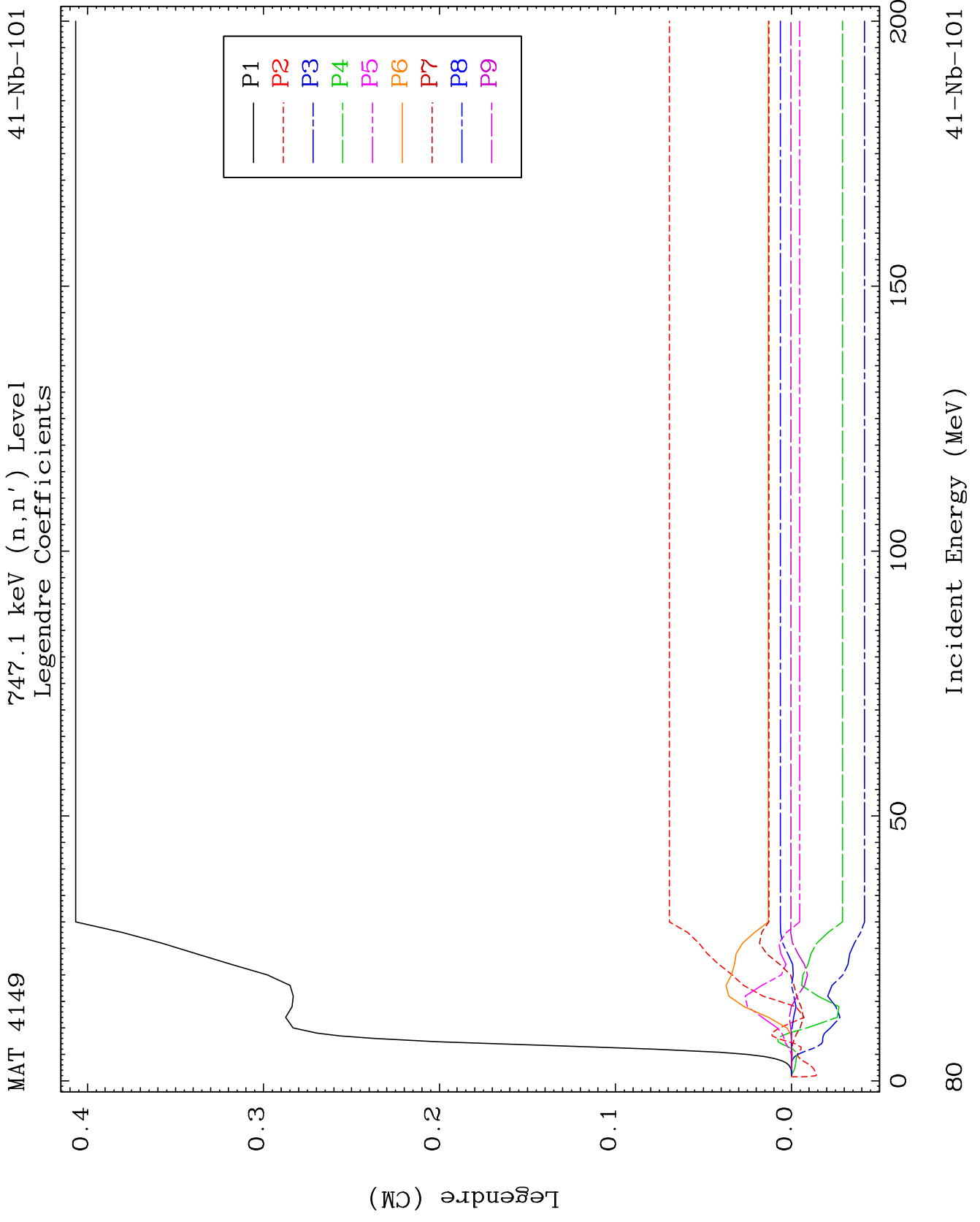


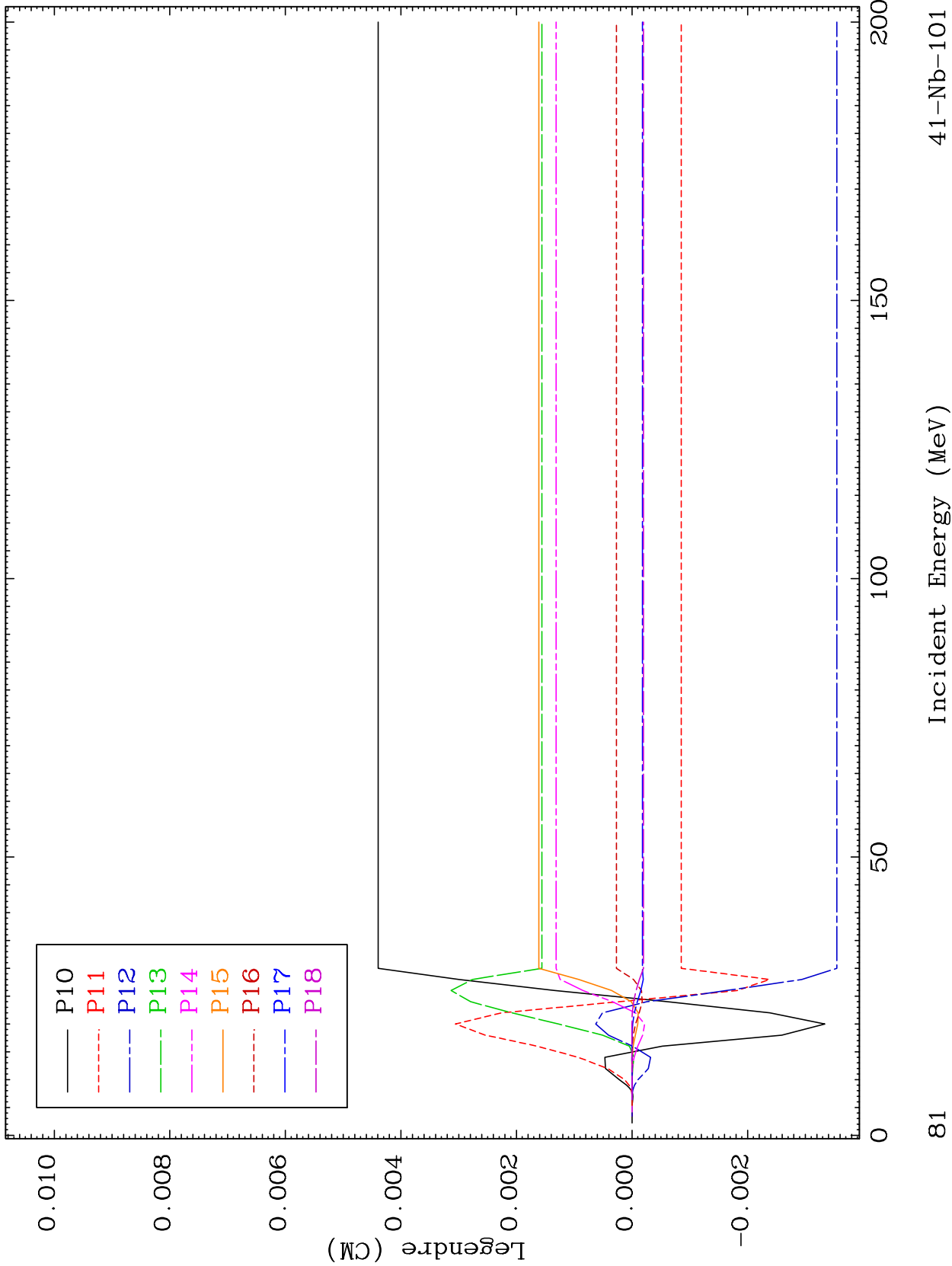
78

Incident Energy (MeV)

41-Nb-101



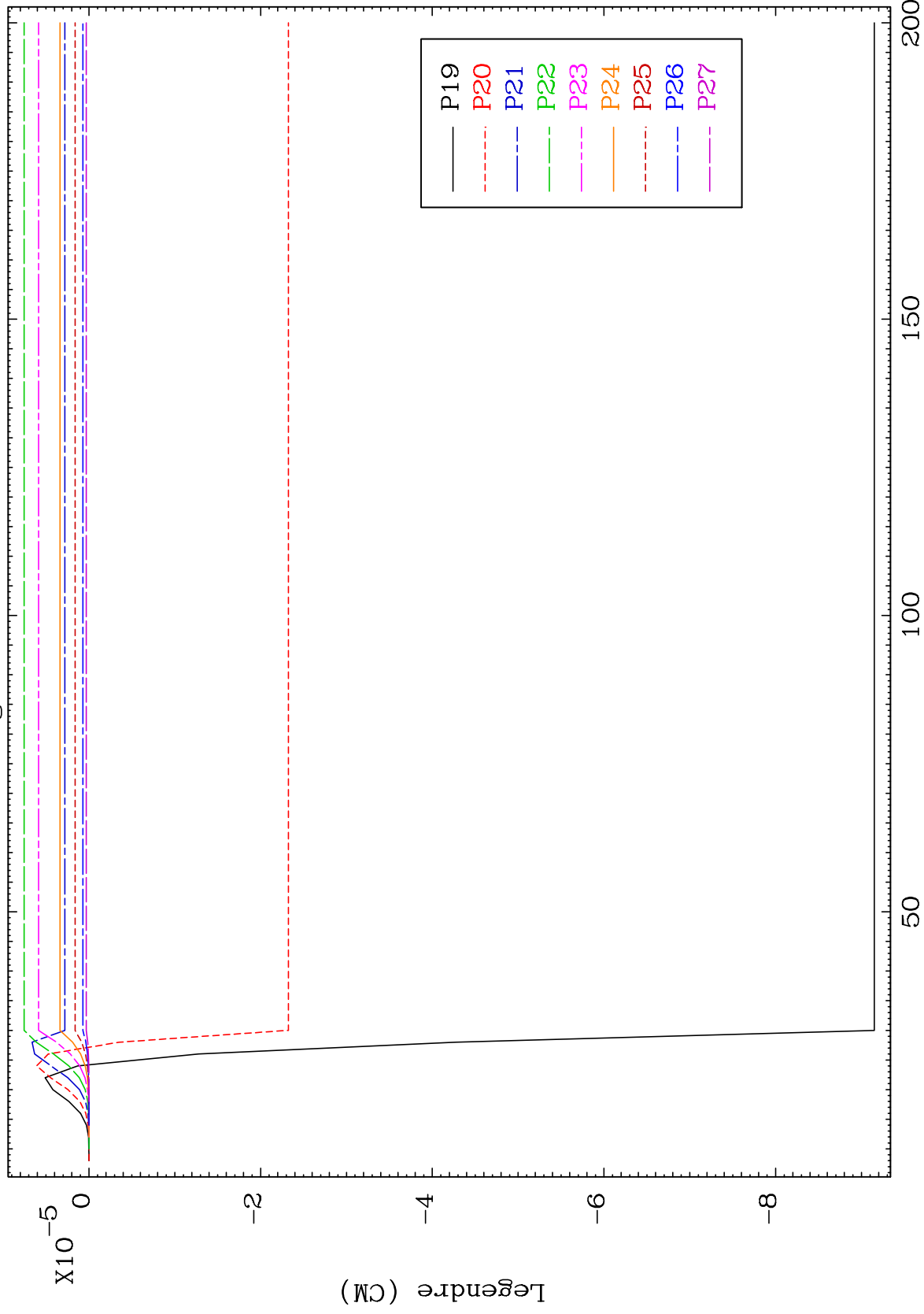




MAT 4149

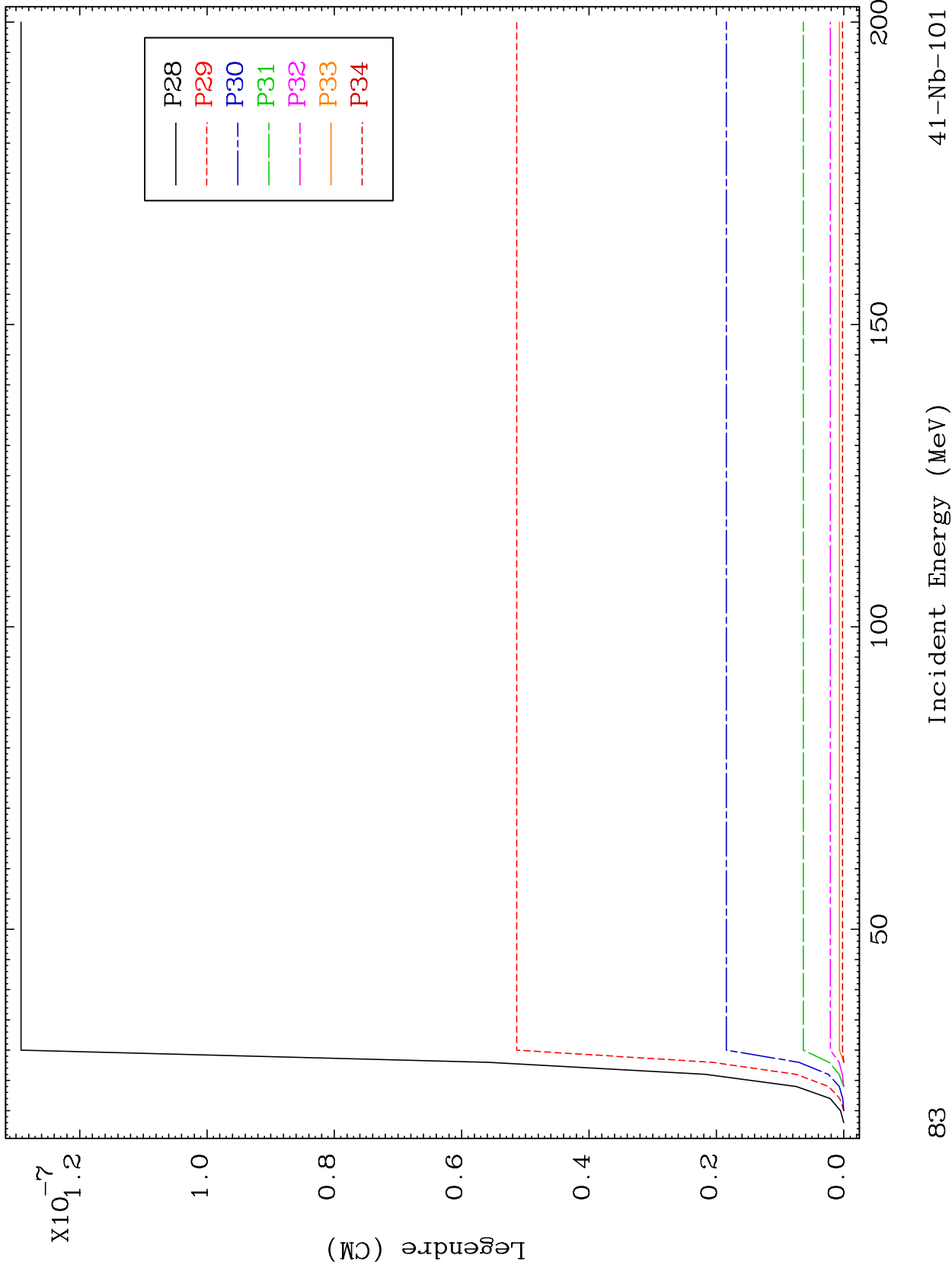
747.1 keV (n,n') Level
Legendre Coefficients

41-Nb-101



82

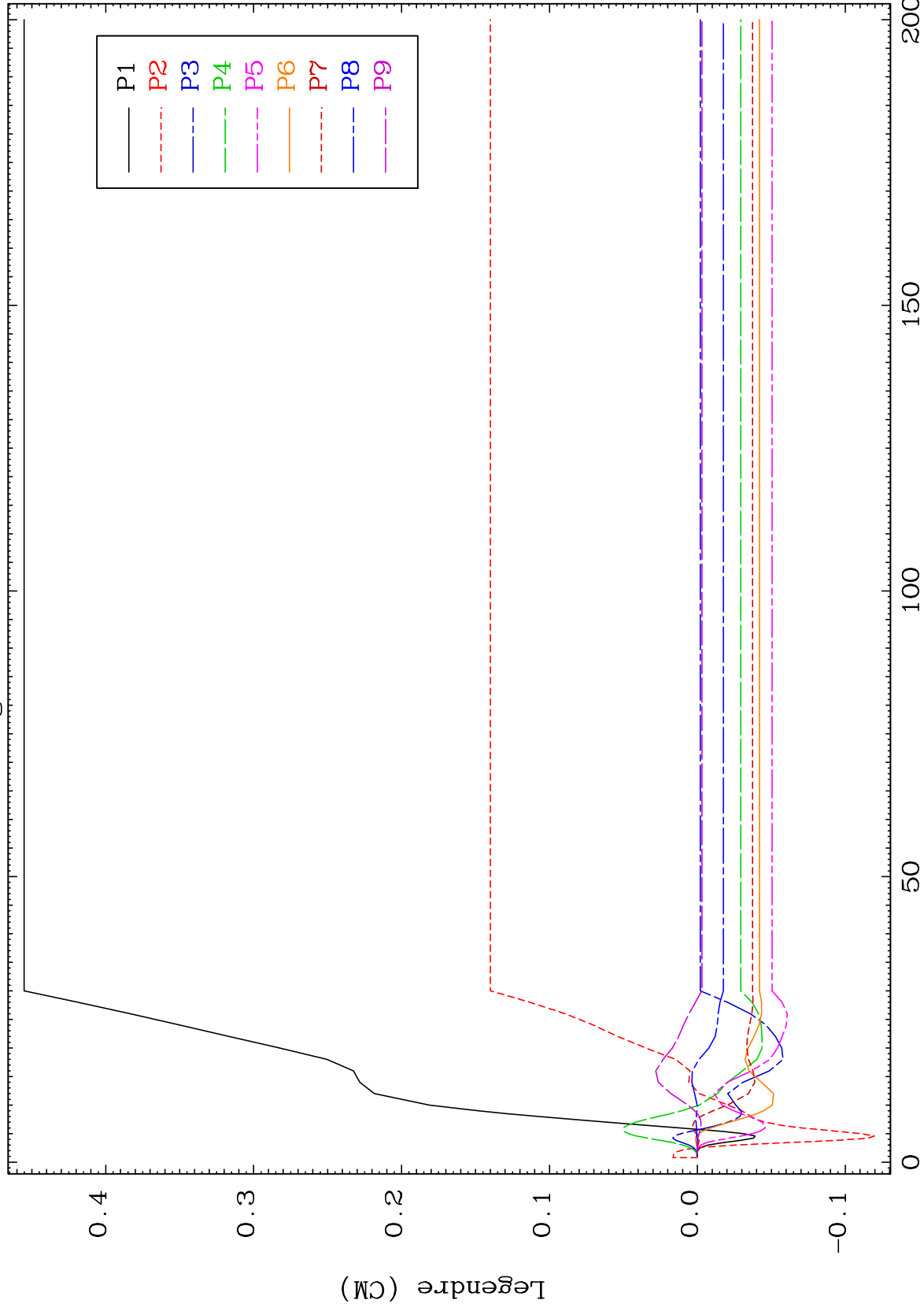
41-Nb-101



MAT 4149

777.8 keV (n,n') Level
Legendre Coefficients

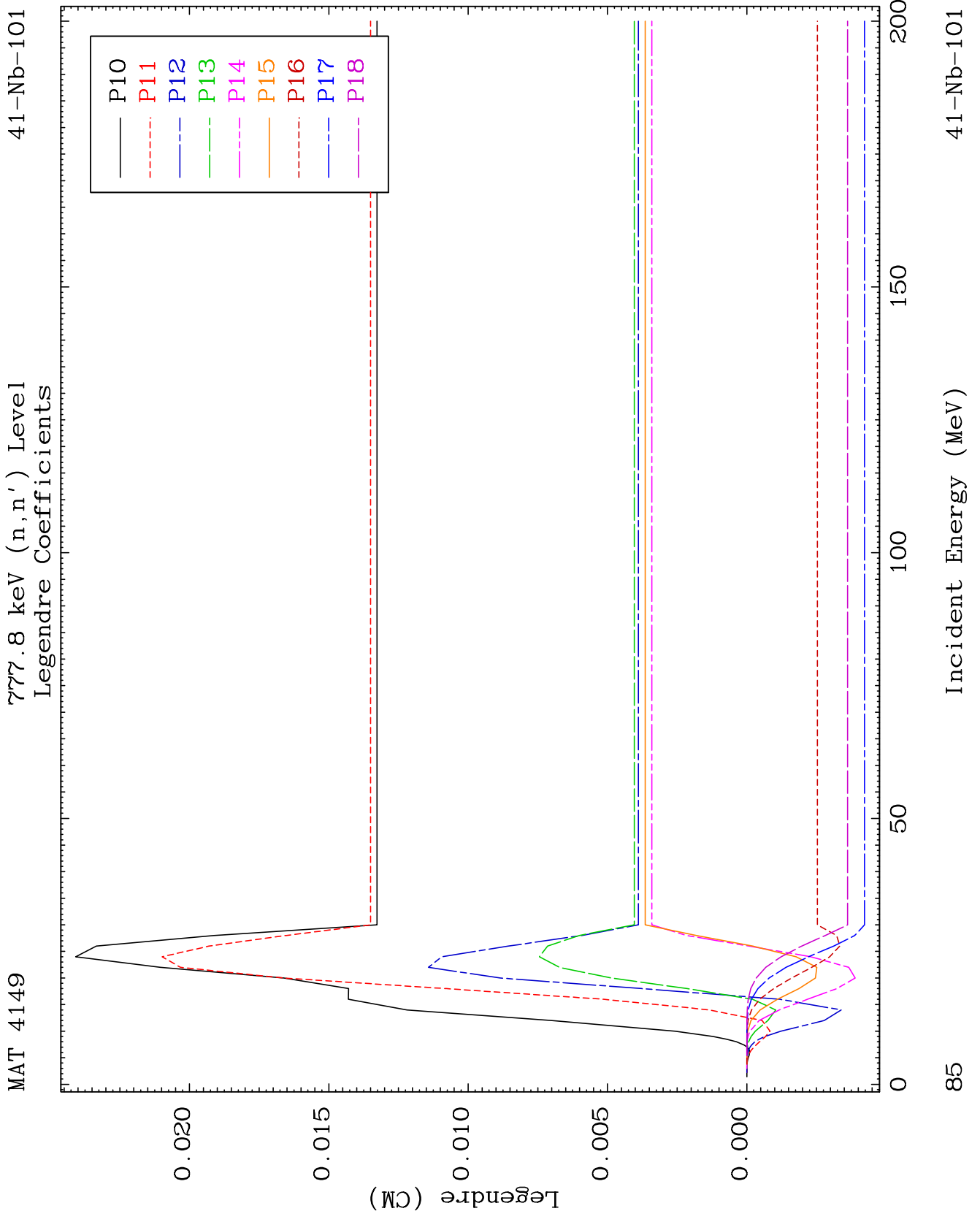
41-Nb-101

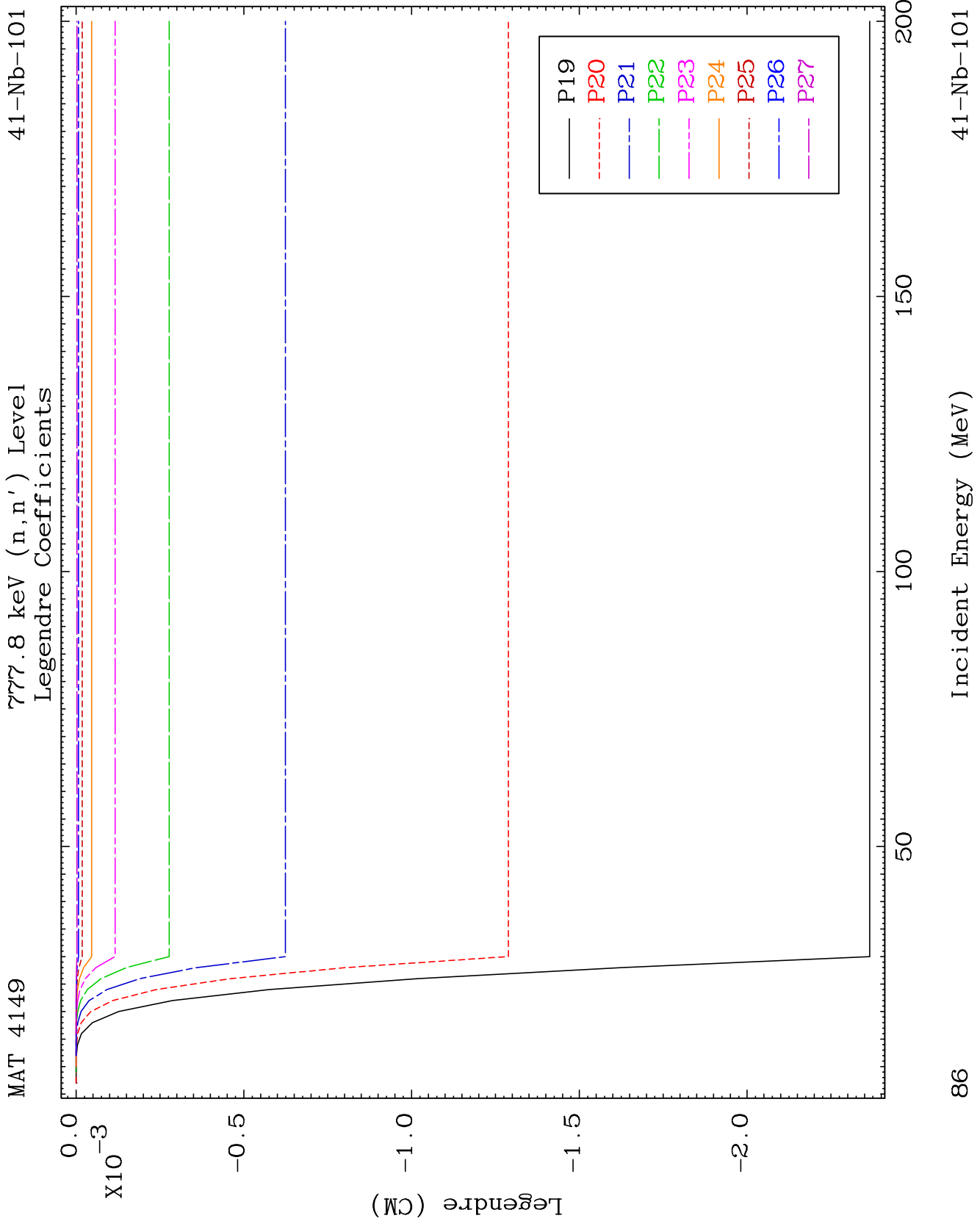


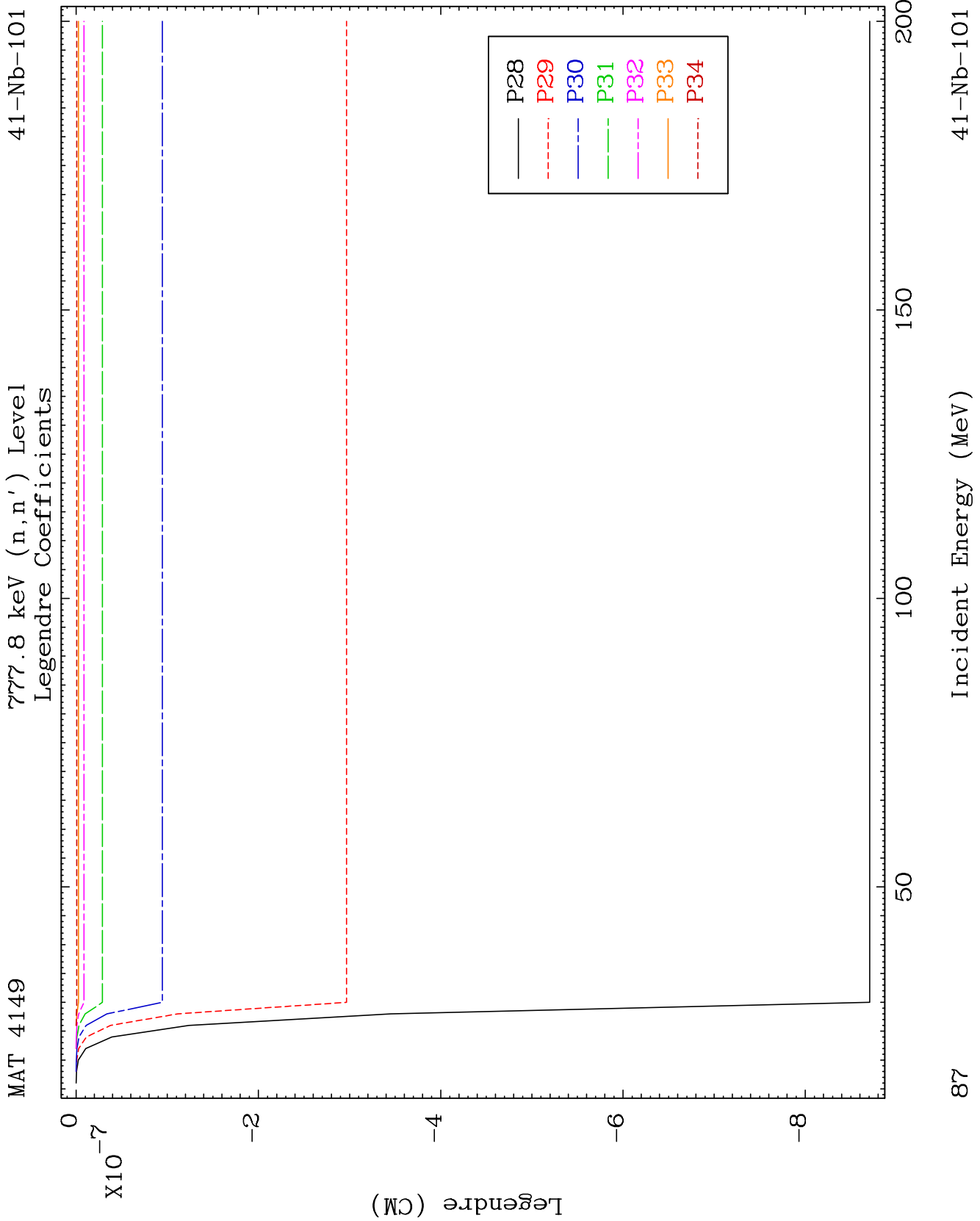
84

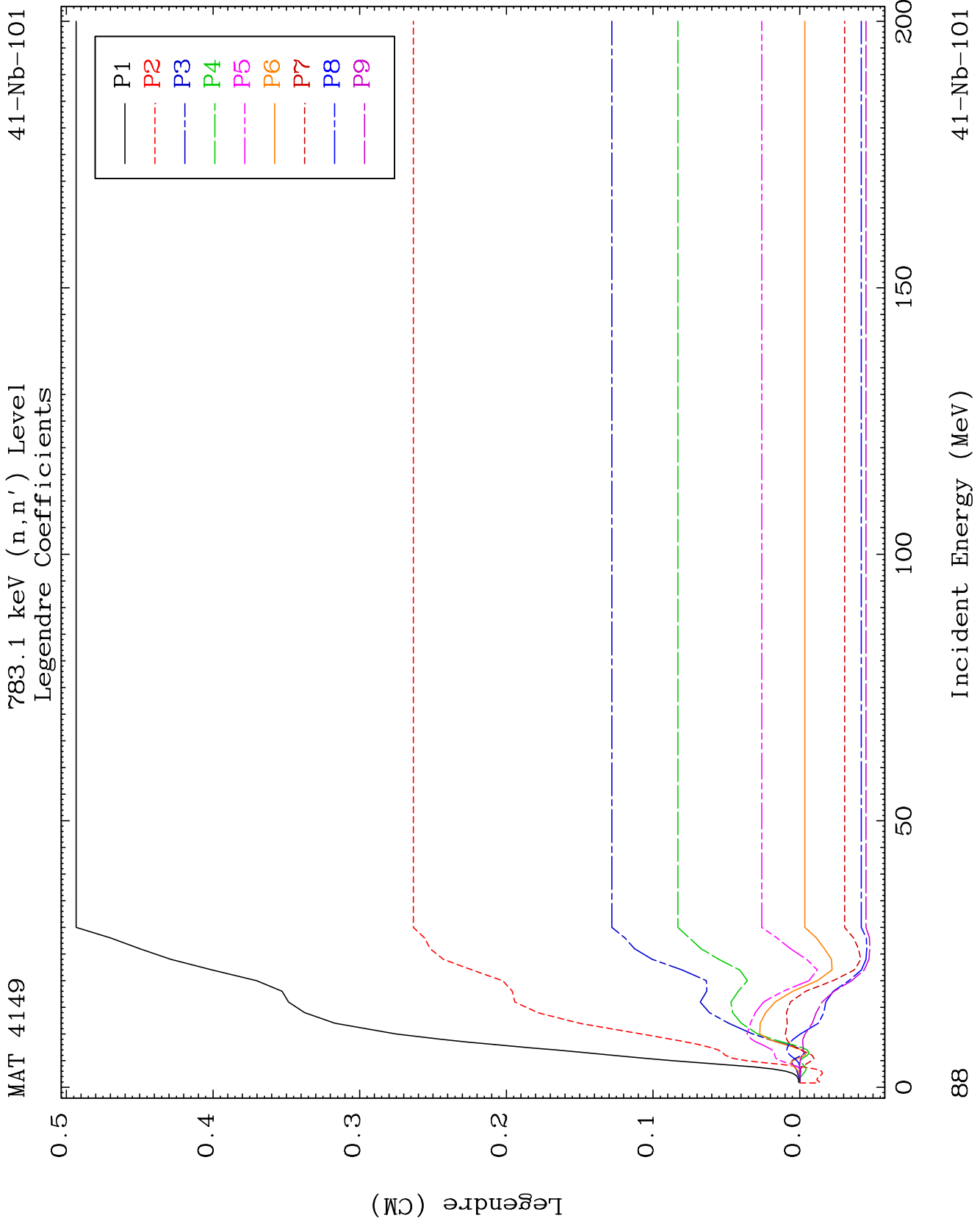
Incident Energy (MeV)

41-Nb-101





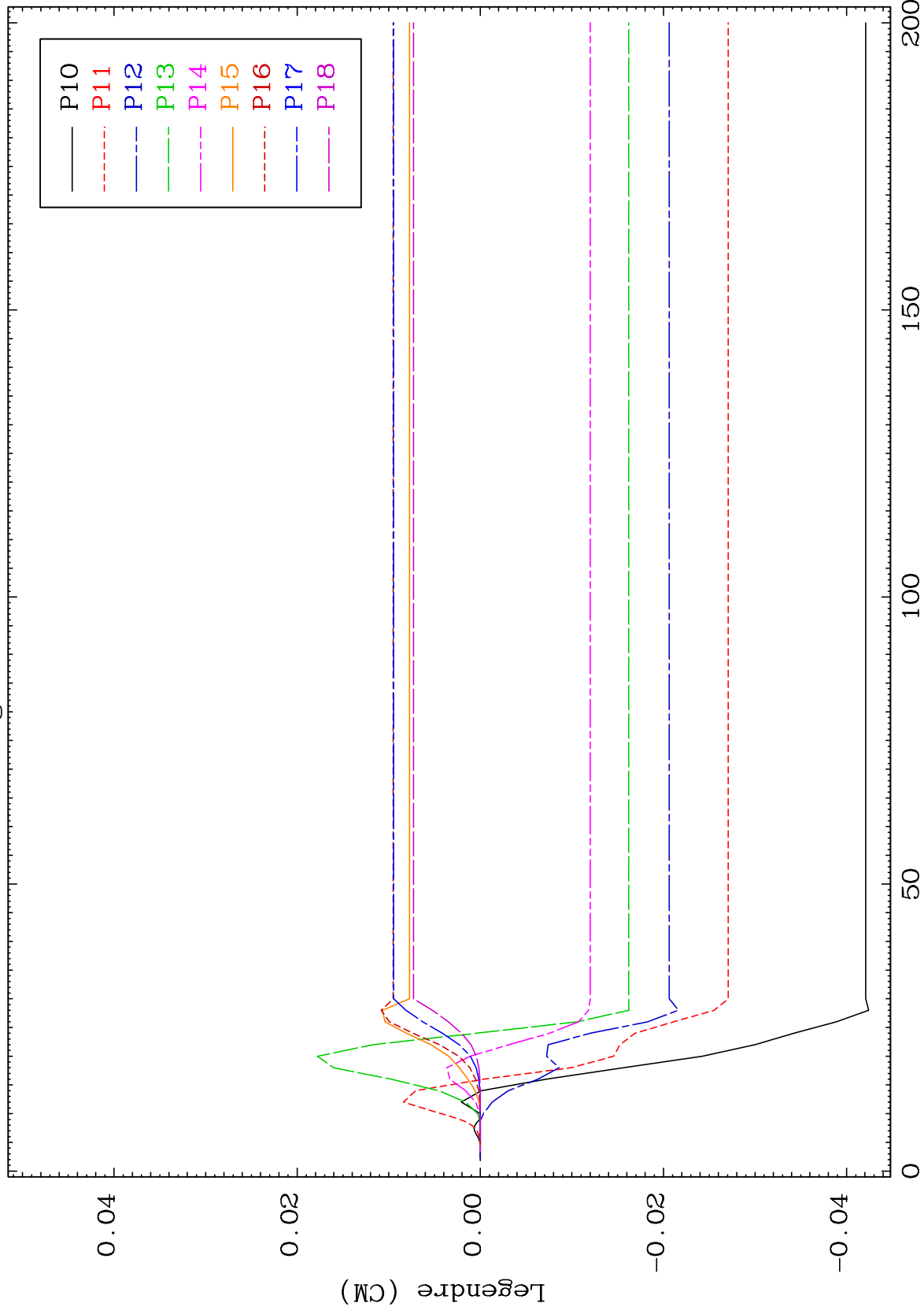




MAT 4149

783.1 keV (n,n') Level
Legendre Coefficients

41-Nb-101



89

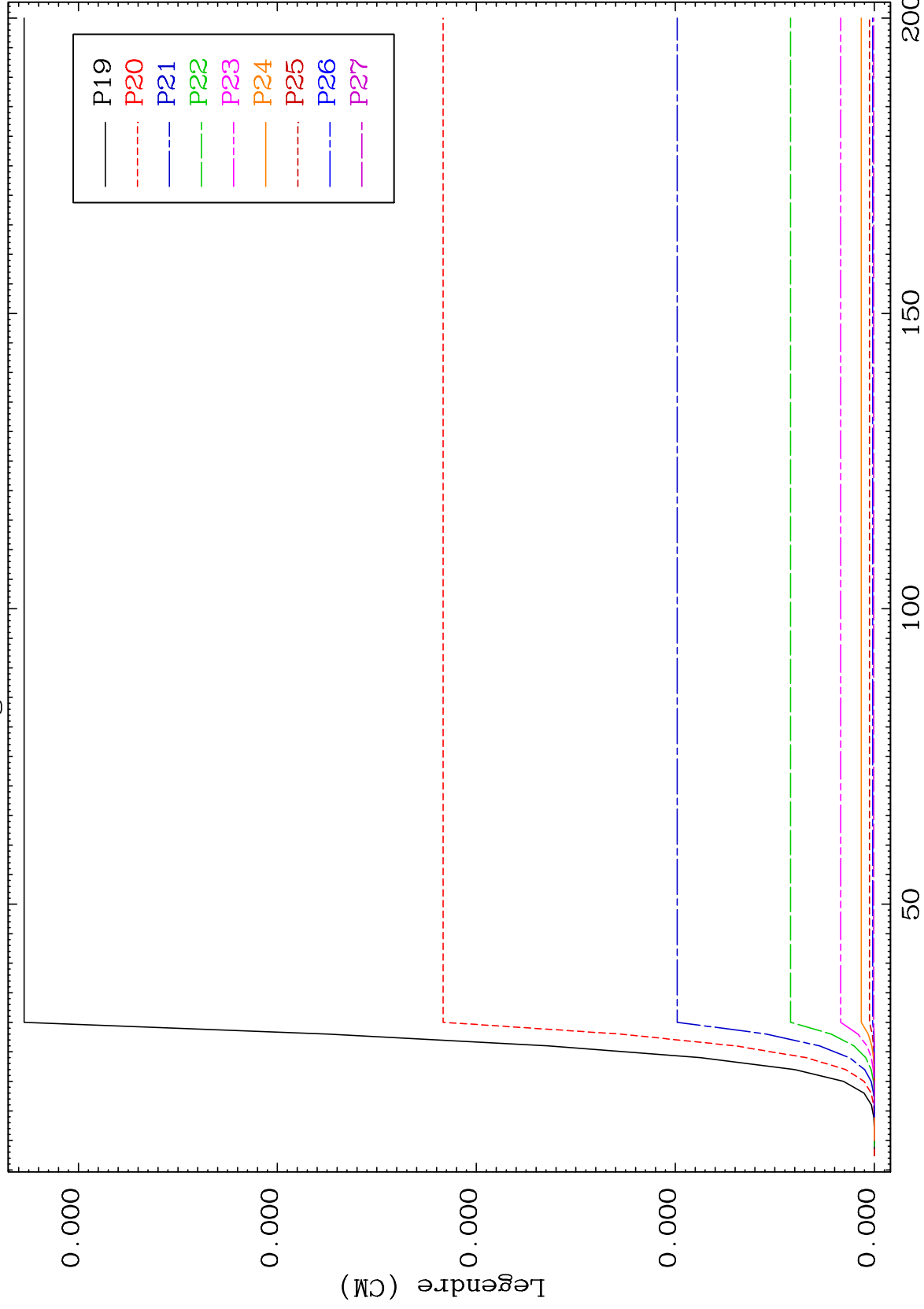
Incident Energy (MeV)

41-Nb-101

MAT 4149

783.1 keV (n,n') Level
Legendre Coefficients

41-Nb-101



90

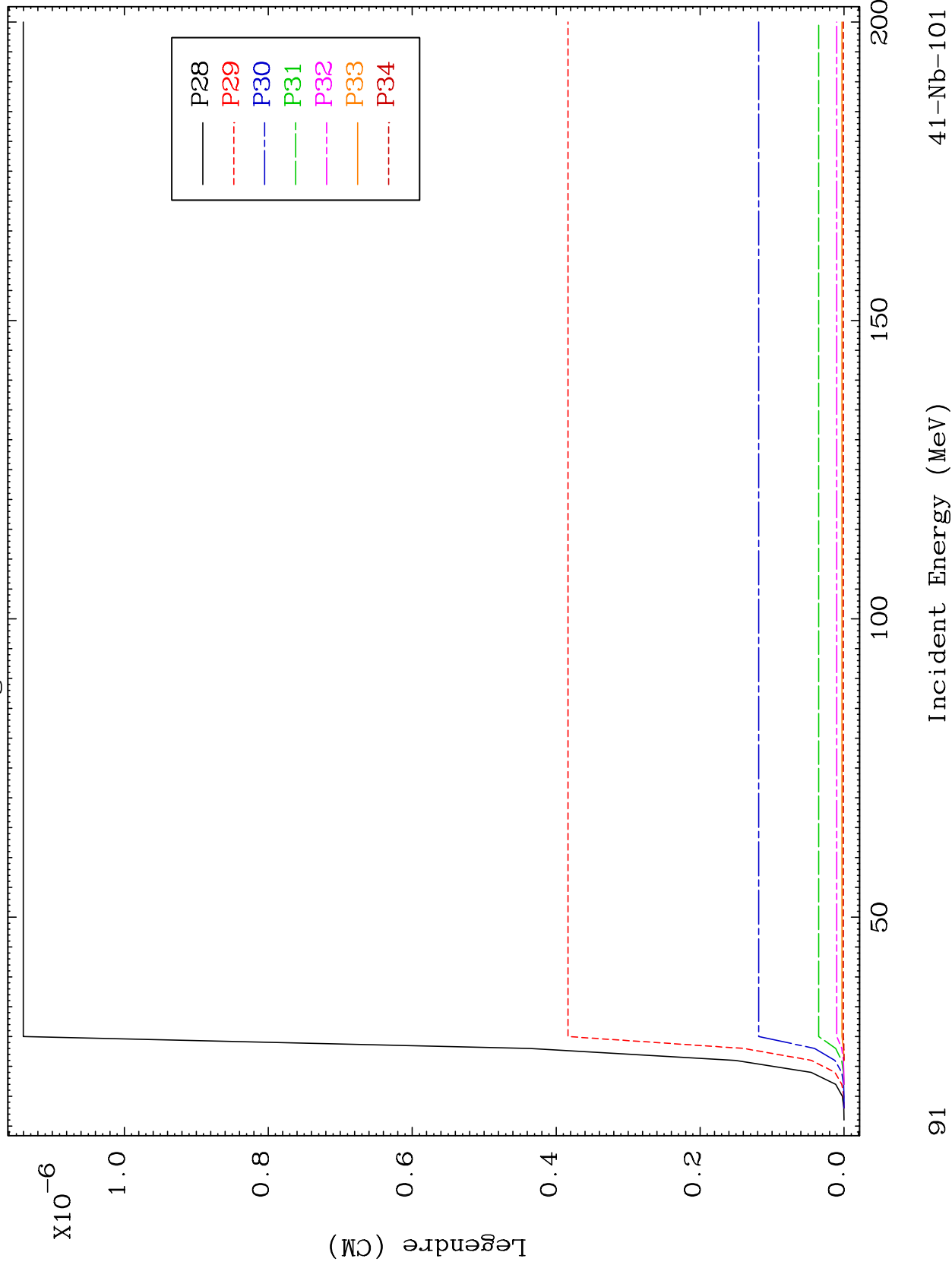
Incident Energy (MeV)

41-Nb-101

MAT 4149

783.1 keV (n,n') Level
Legendre Coefficients

41-Nb-101

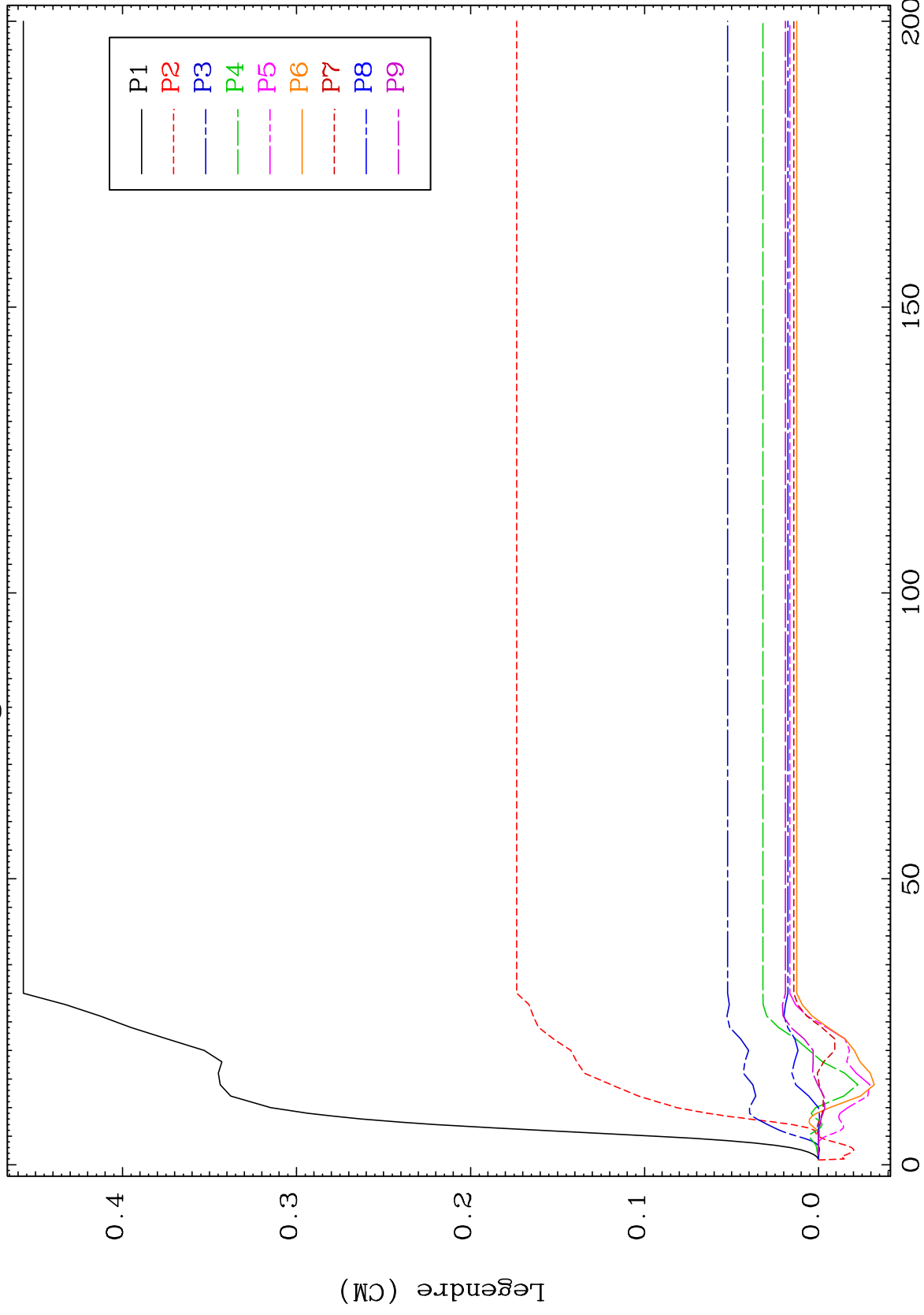


91

MAT 4149

809.4 keV (n,n') Level
Legendre Coefficients

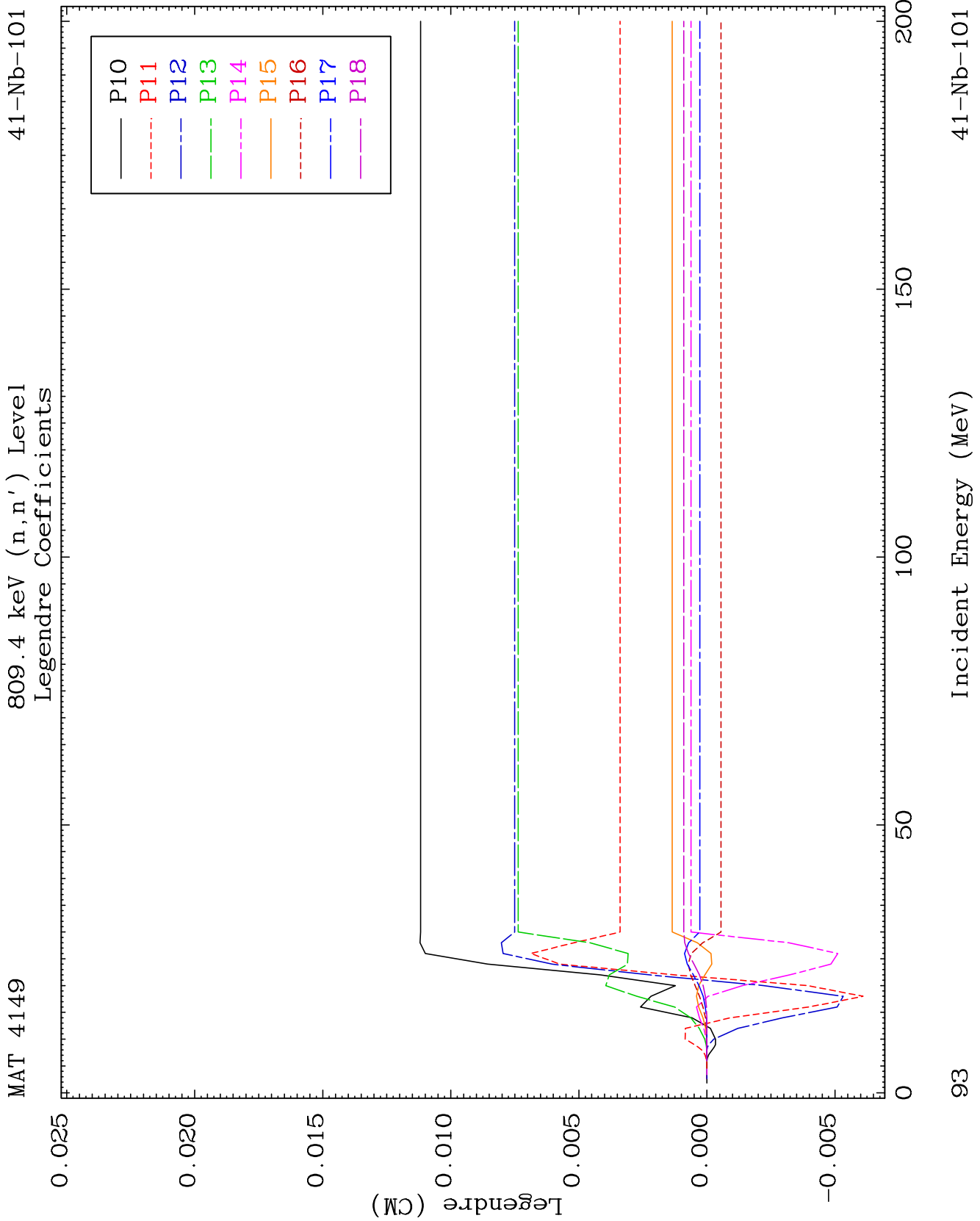
41-Nb-101



92

Incident Energy (MeV)

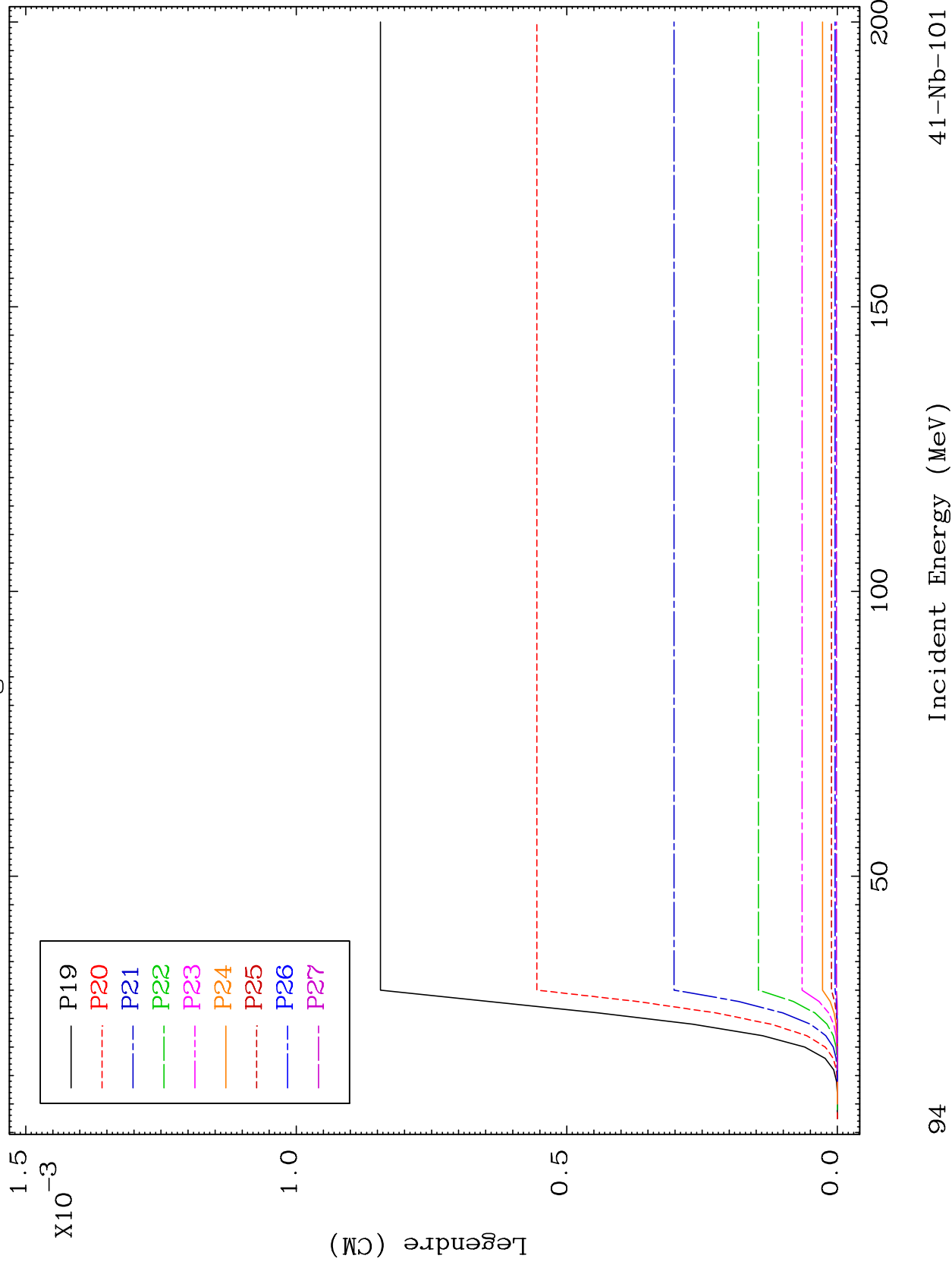
41-Nb-101



MAT 4149

809.4 keV (n,n') Level
Legendre Coefficients

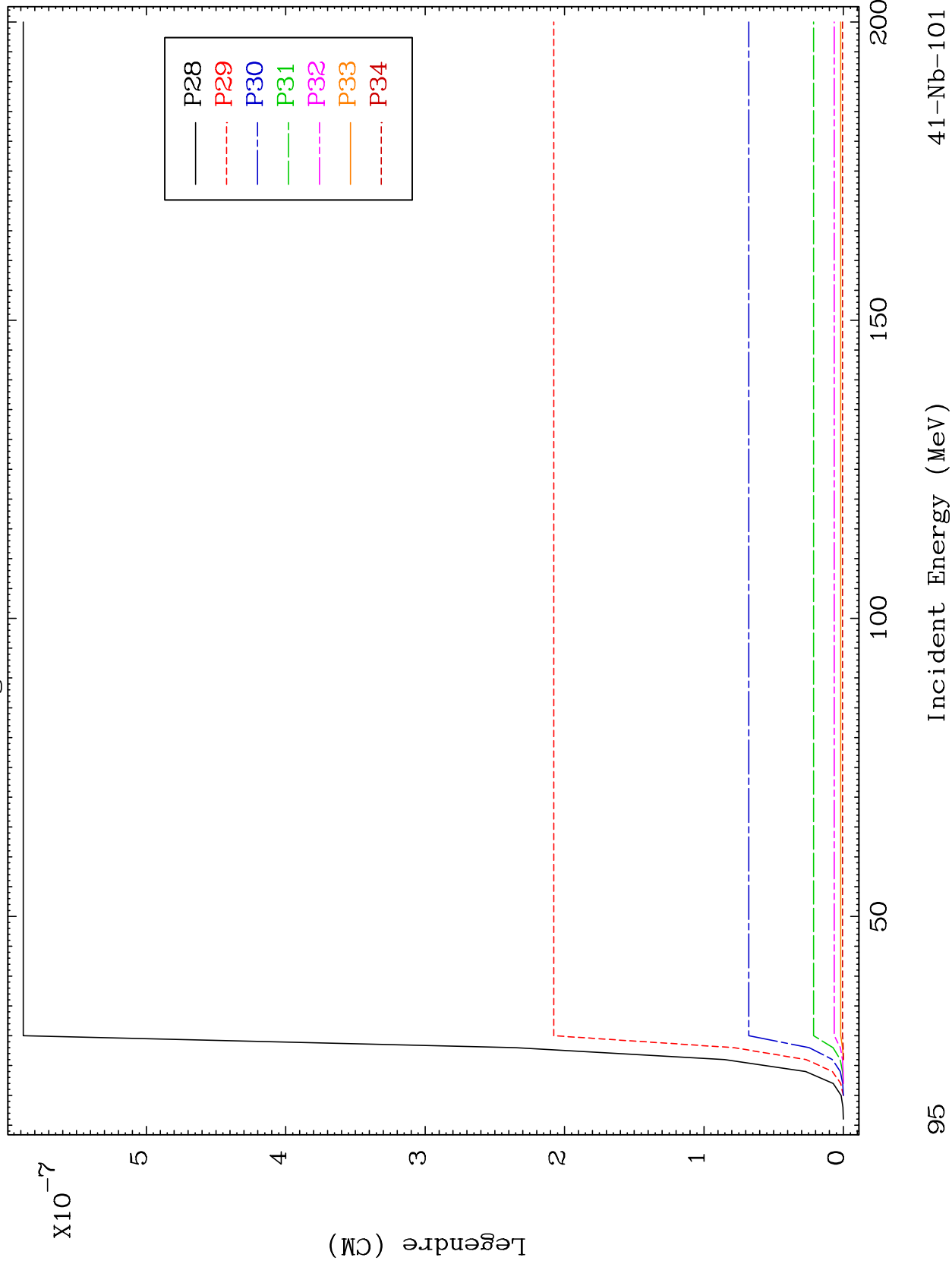
41-Nb-101

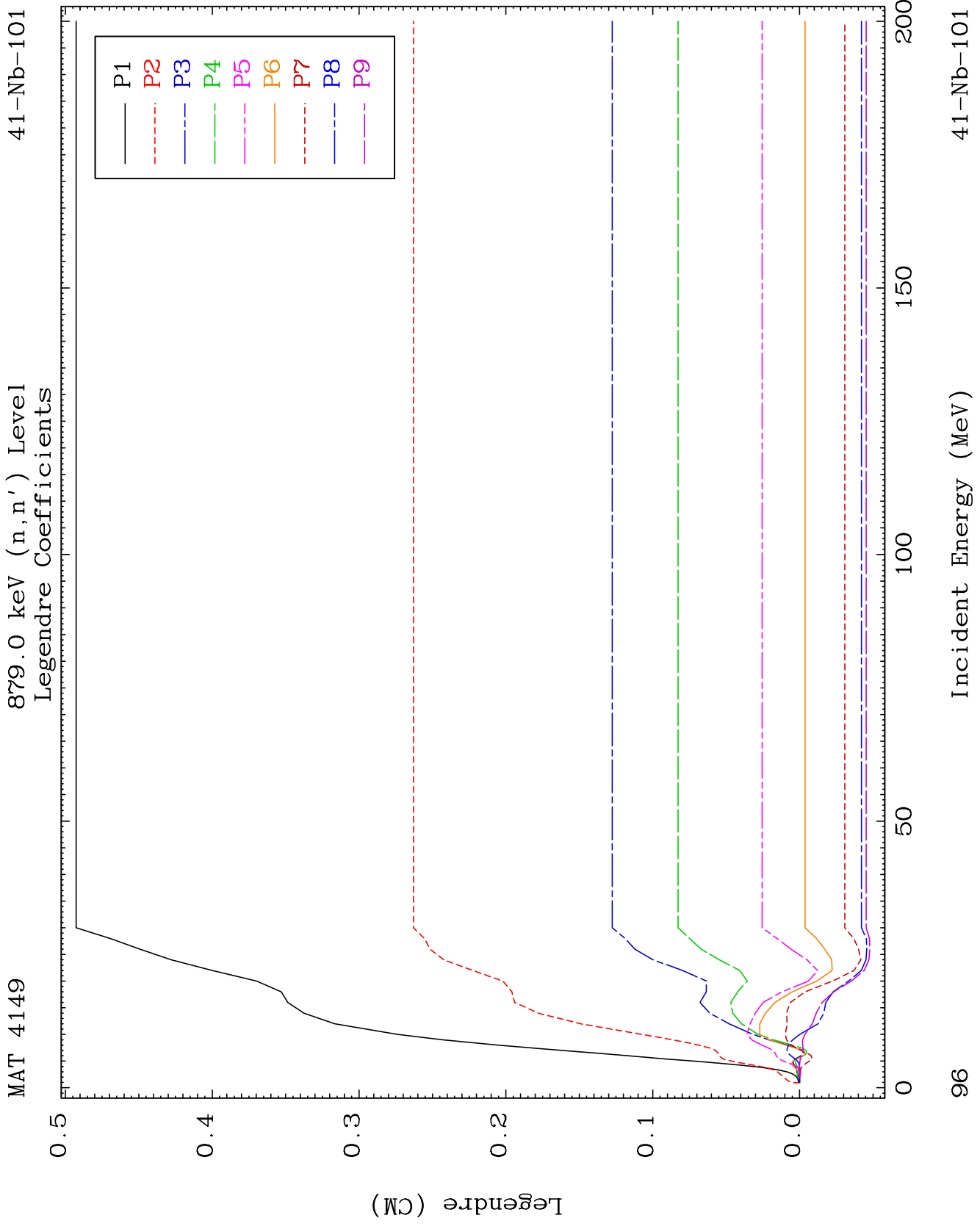


MAT 4149

809.4 keV (n,n') Level
Legendre Coefficients

41-Nb-101

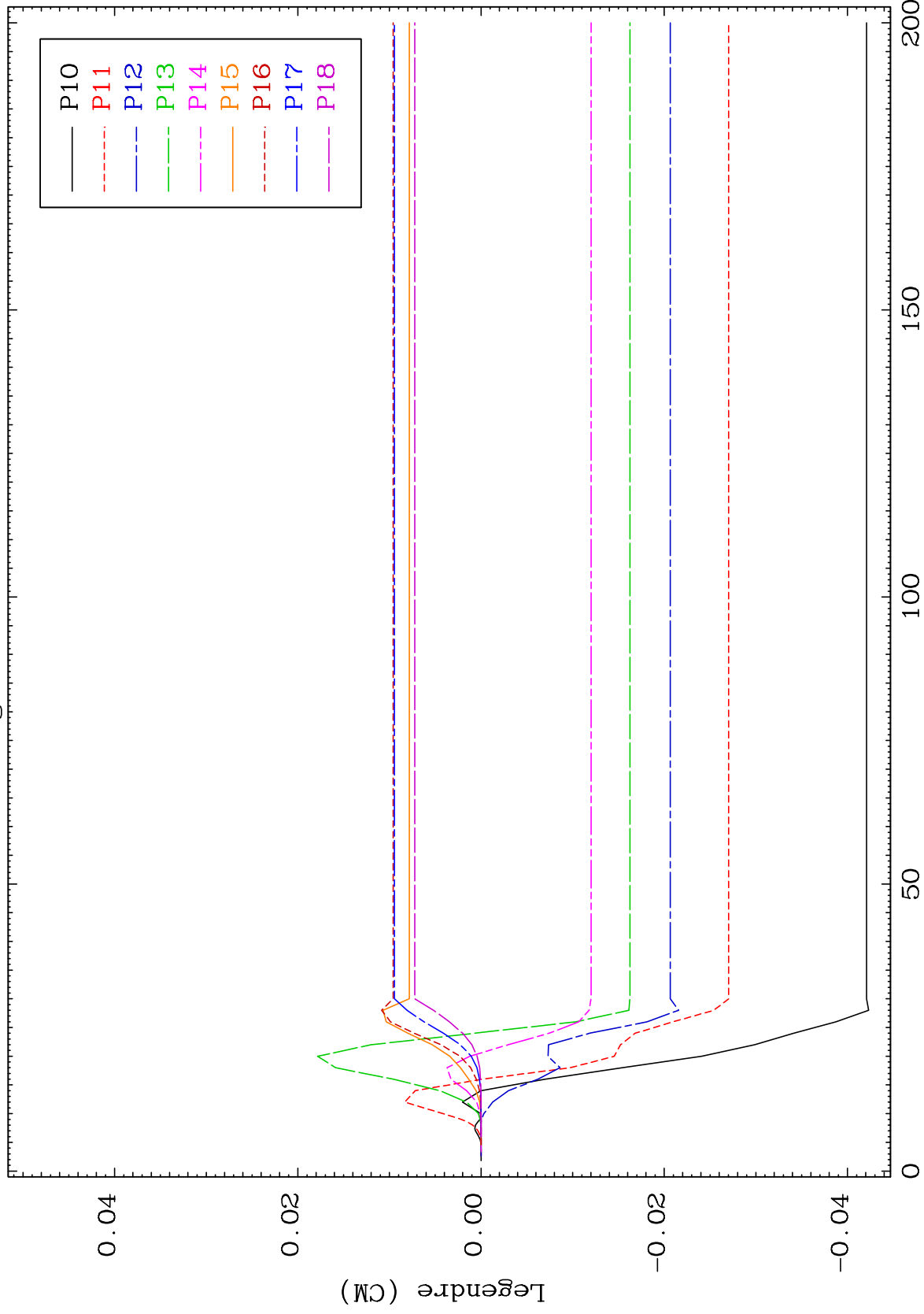




MAT 4149

879.0 keV (n,n') Level
Legendre Coefficients

41-Nb-101



97

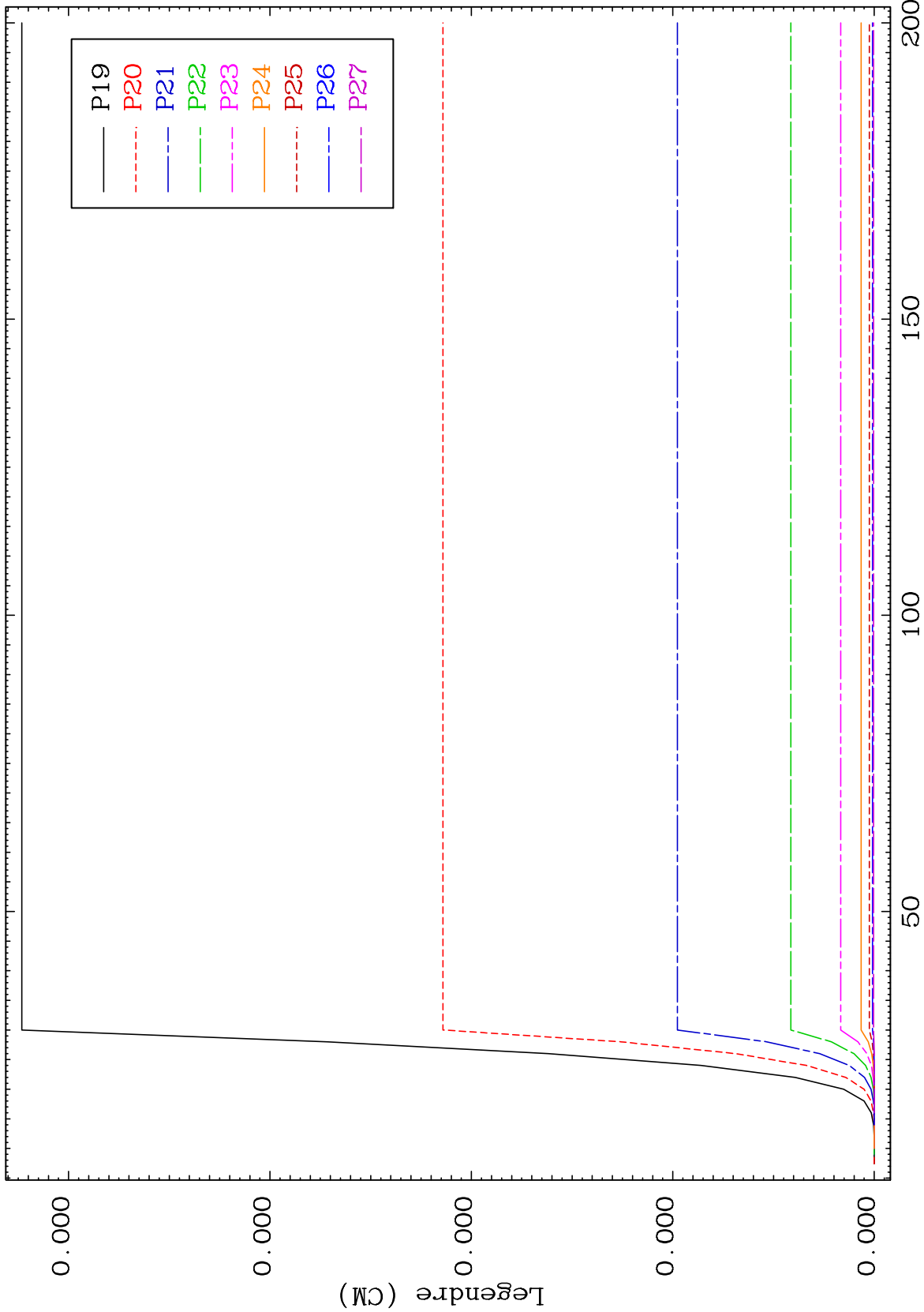
Incident Energy (MeV)

41-Nb-101

MAT 4149

879.0 keV (n,n') Level
Legendre Coefficients

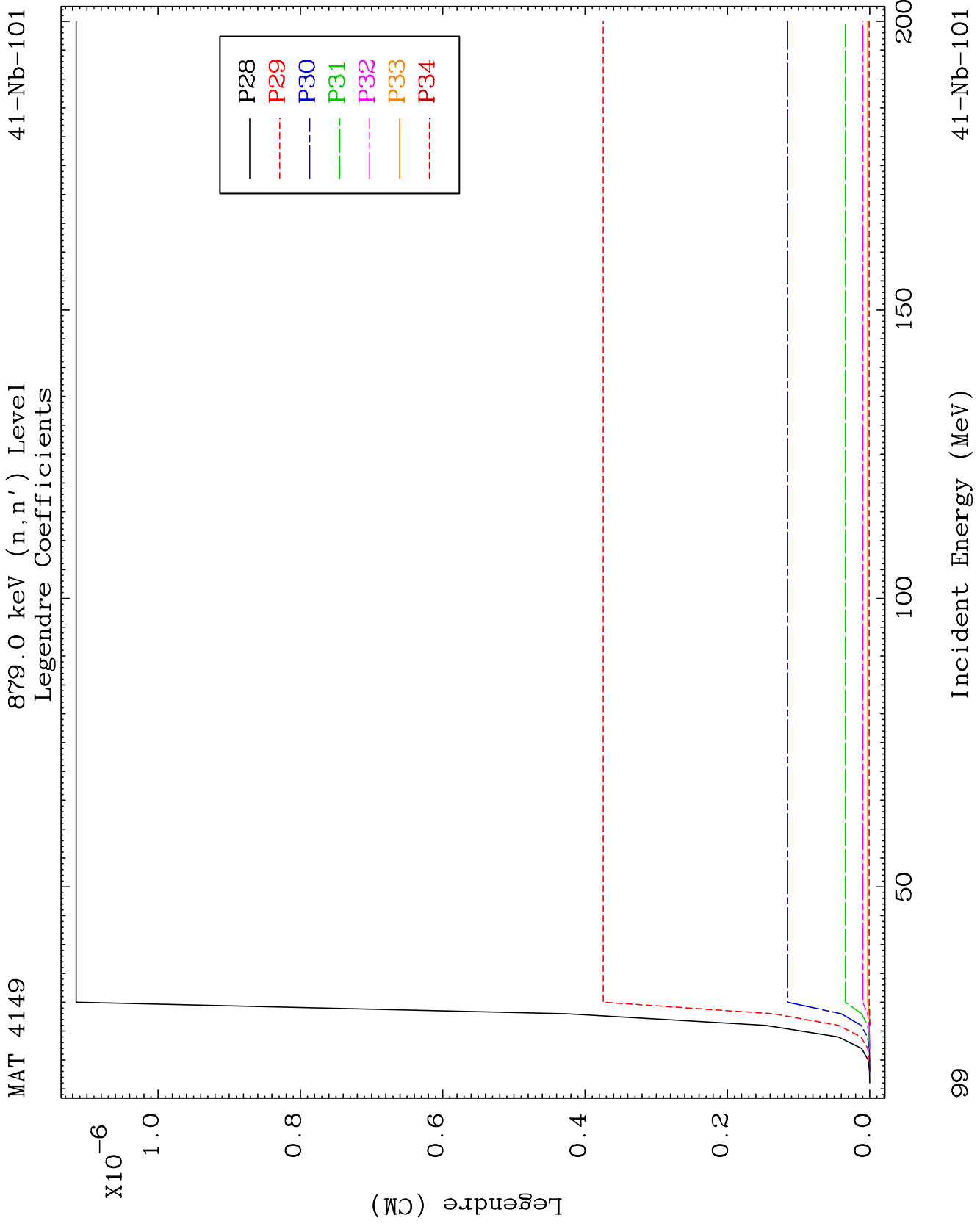
41-Nb-101



98

Incident Energy (MeV)

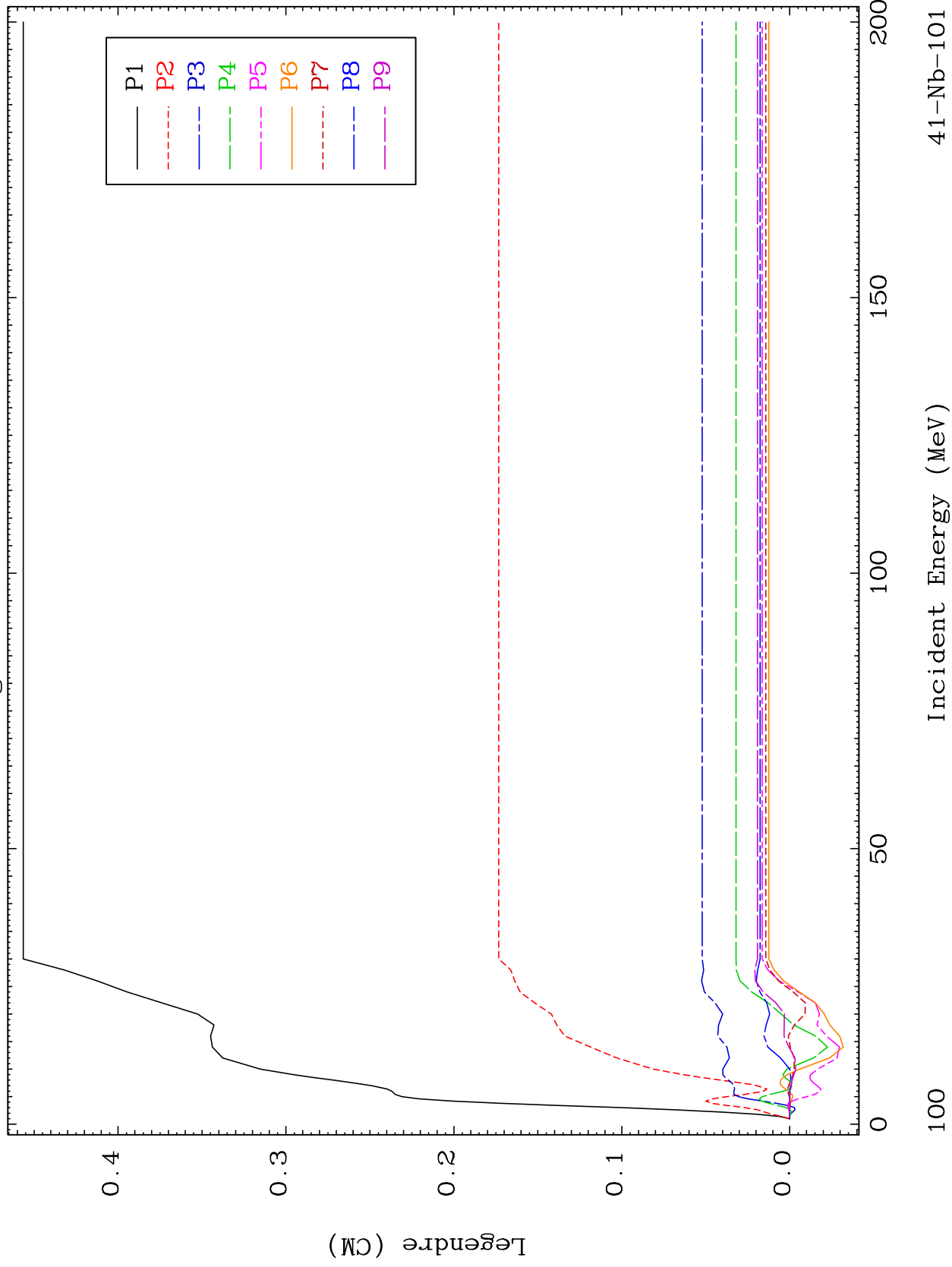
41-Nb-101



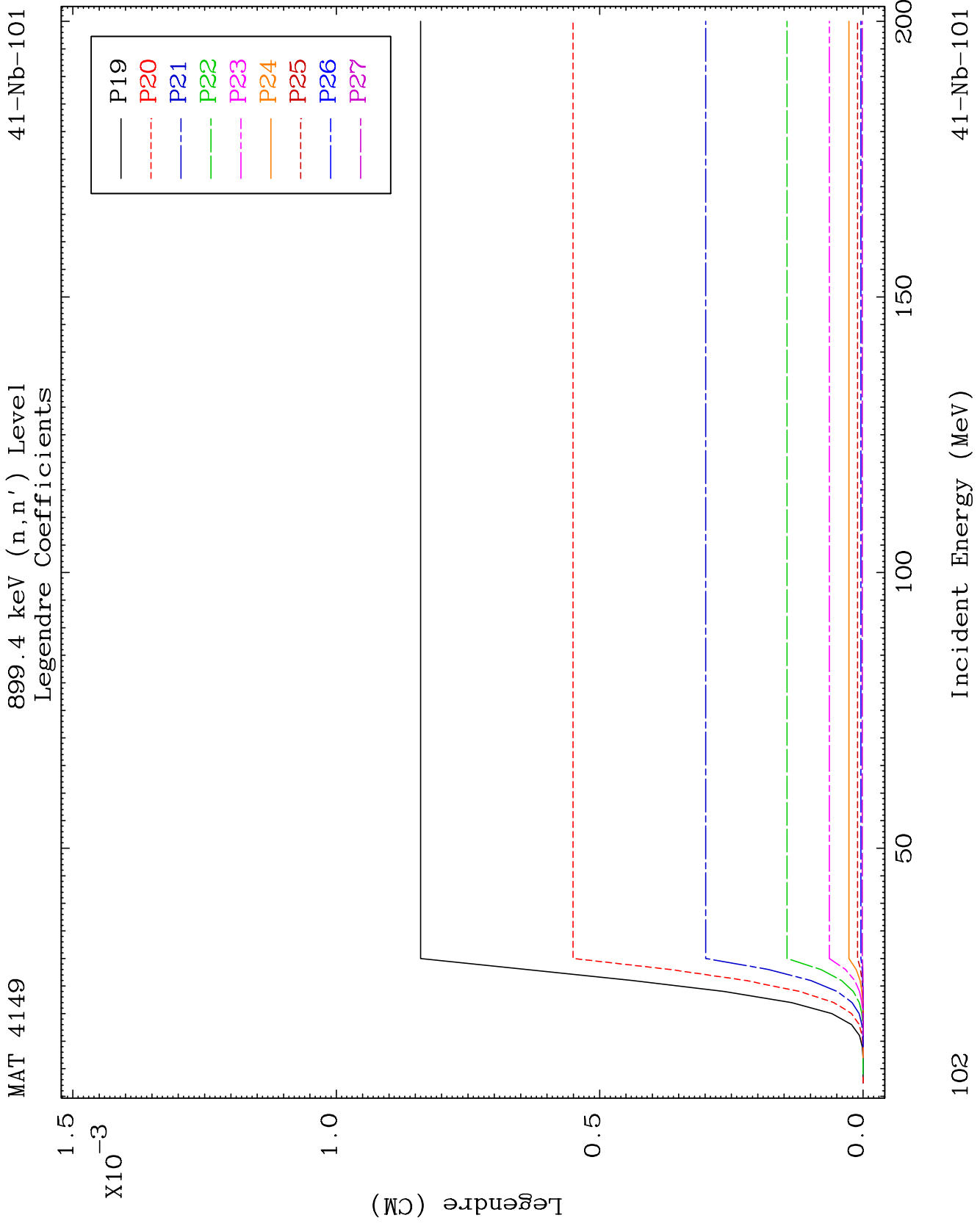
MAT 4149

899.4 keV (n,n') Level
Legendre Coefficients

41-Nb-101



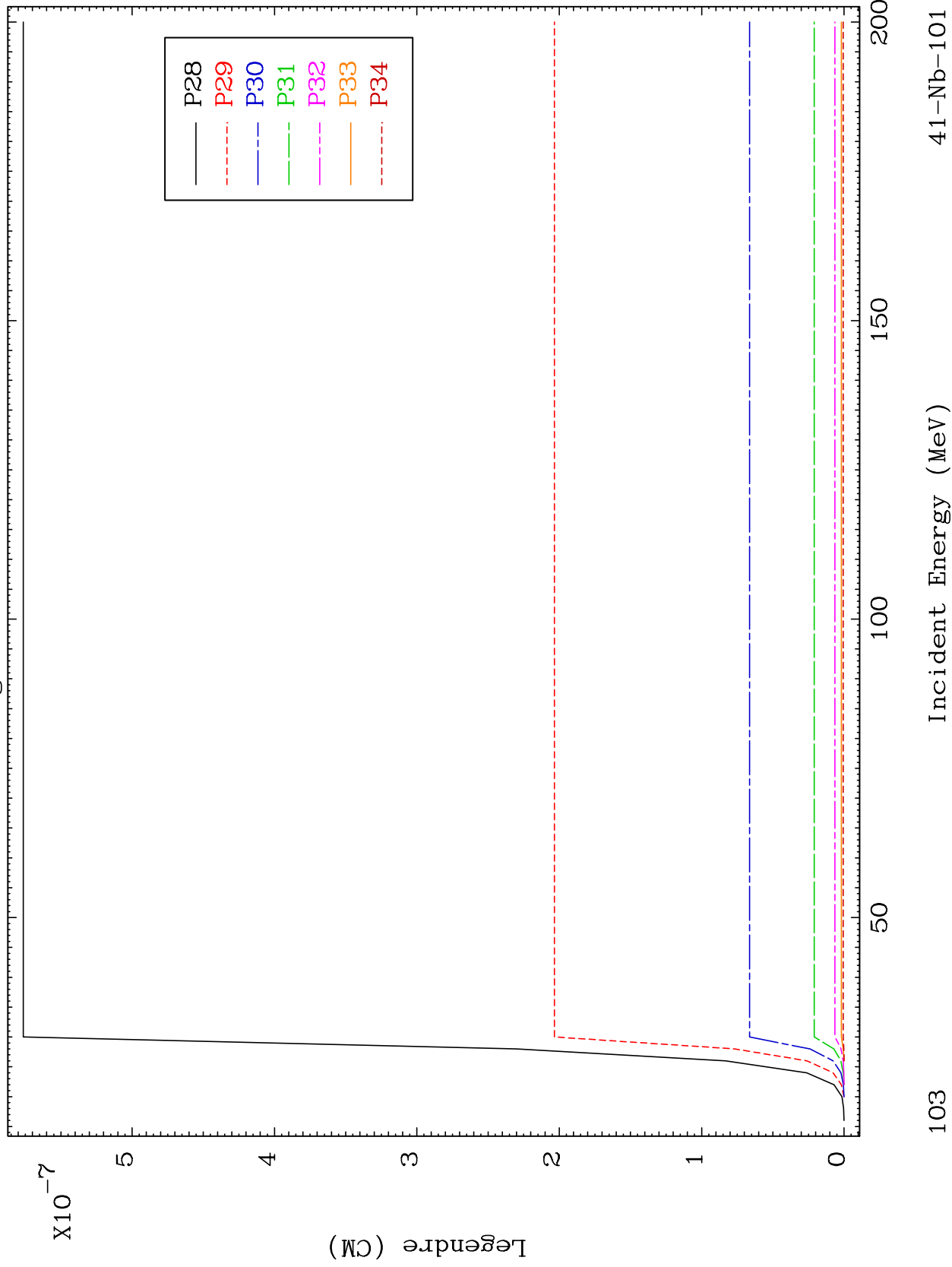
41-Nb-101



MAT 4149

899.4 keV (n,n') Level
Legendre Coefficients

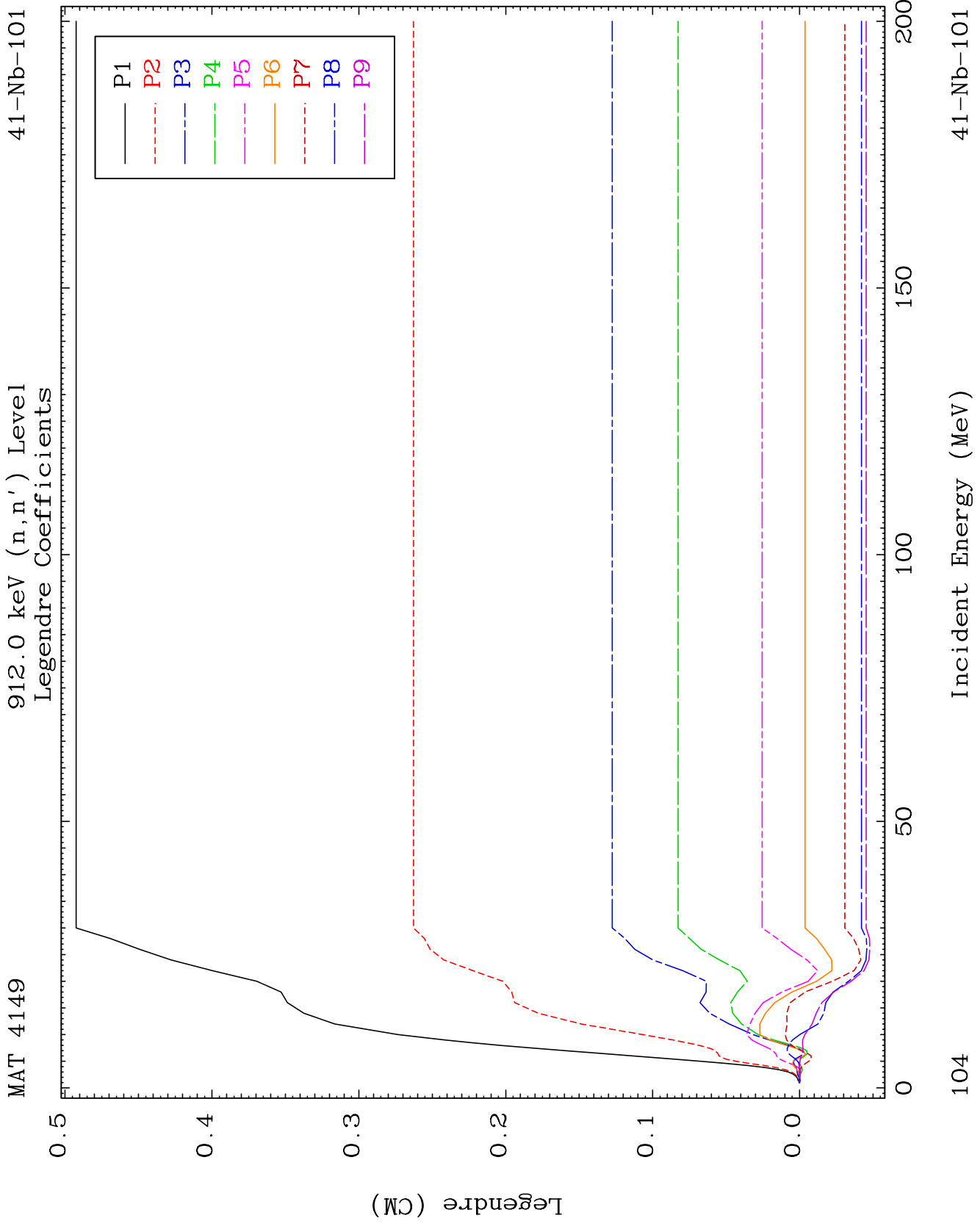
41-Nb-101



103

Incident Energy (MeV)

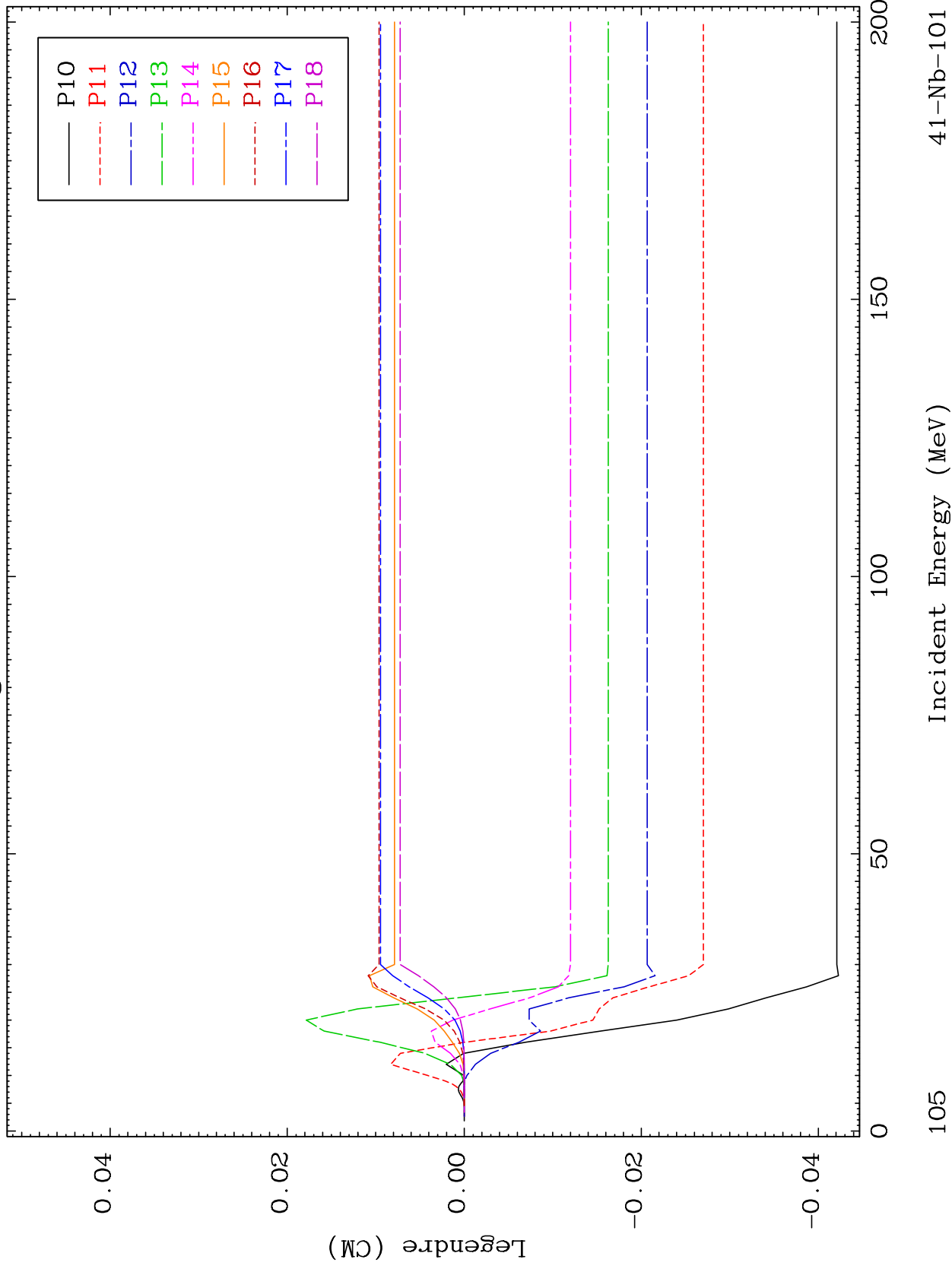
41-Nb-101



MAT 4149

912.0 keV (n,n') Level
Legendre Coefficients

41-Nb-101



105

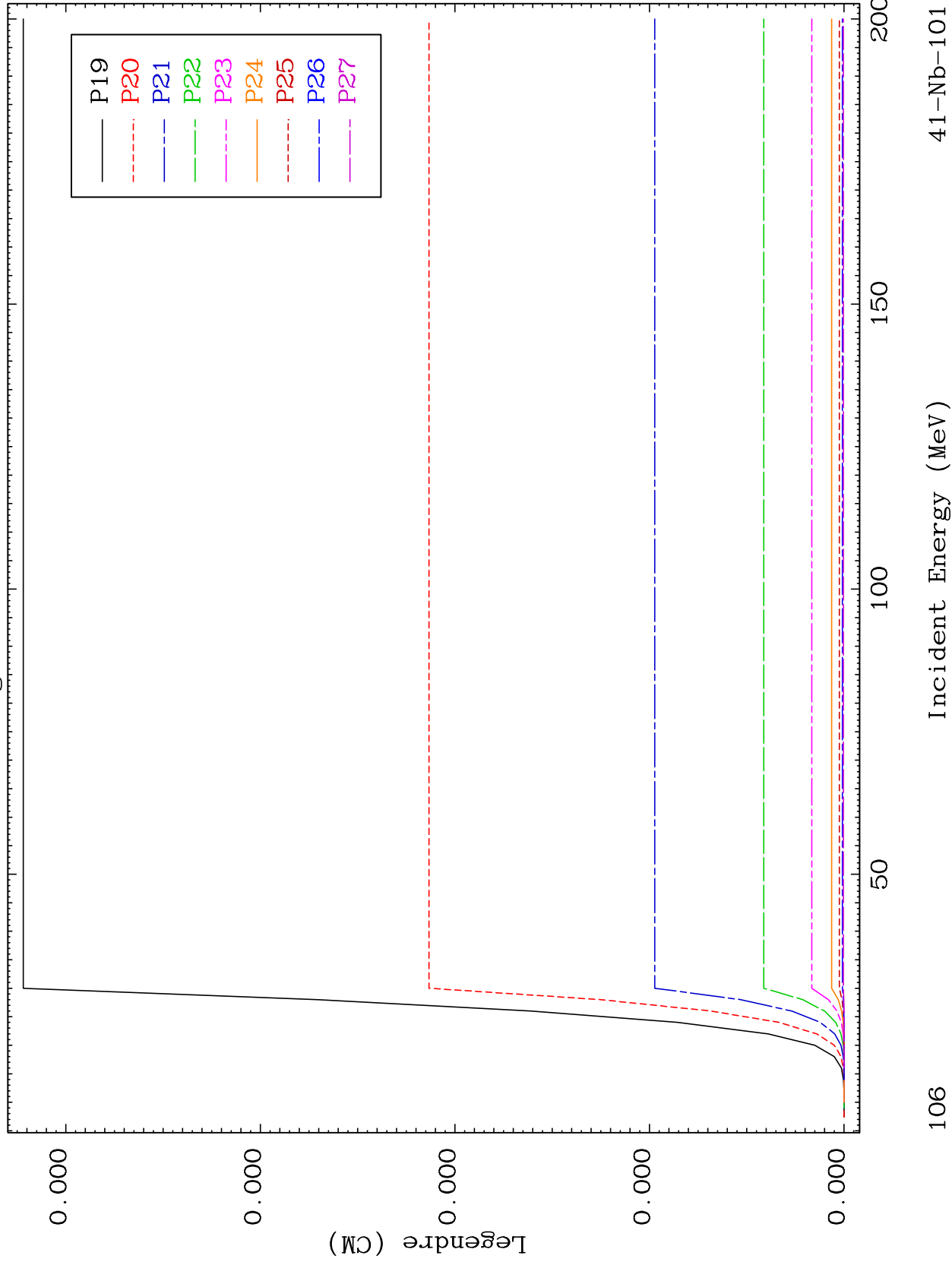
Incident Energy (MeV)

41-Nb-101

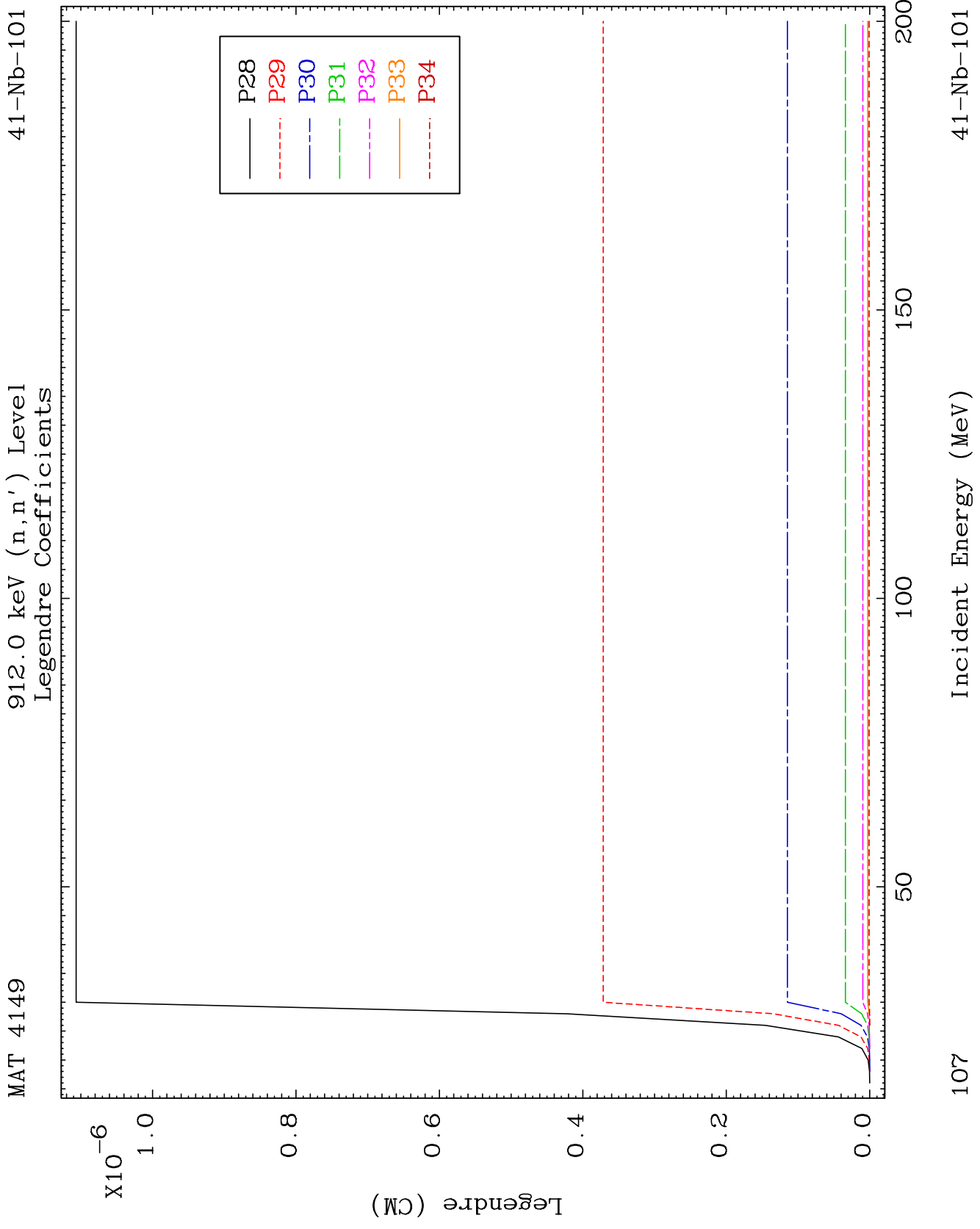
MAT 4149

912.0 keV (n,n') Level
Legendre Coefficients

41-Nb-101



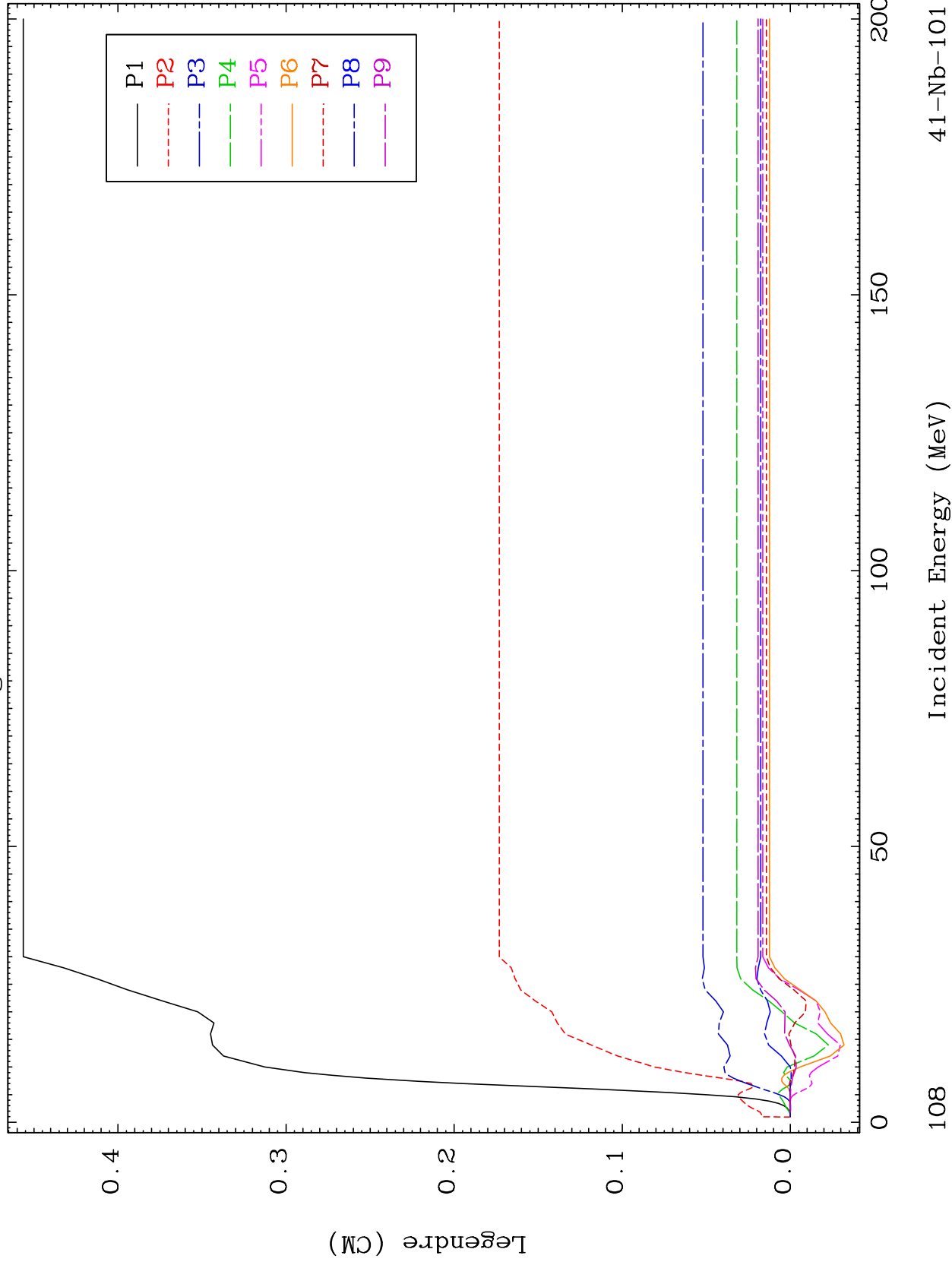
106



MAT 4149

921.6 keV (n,n') Level
Legendre Coefficients

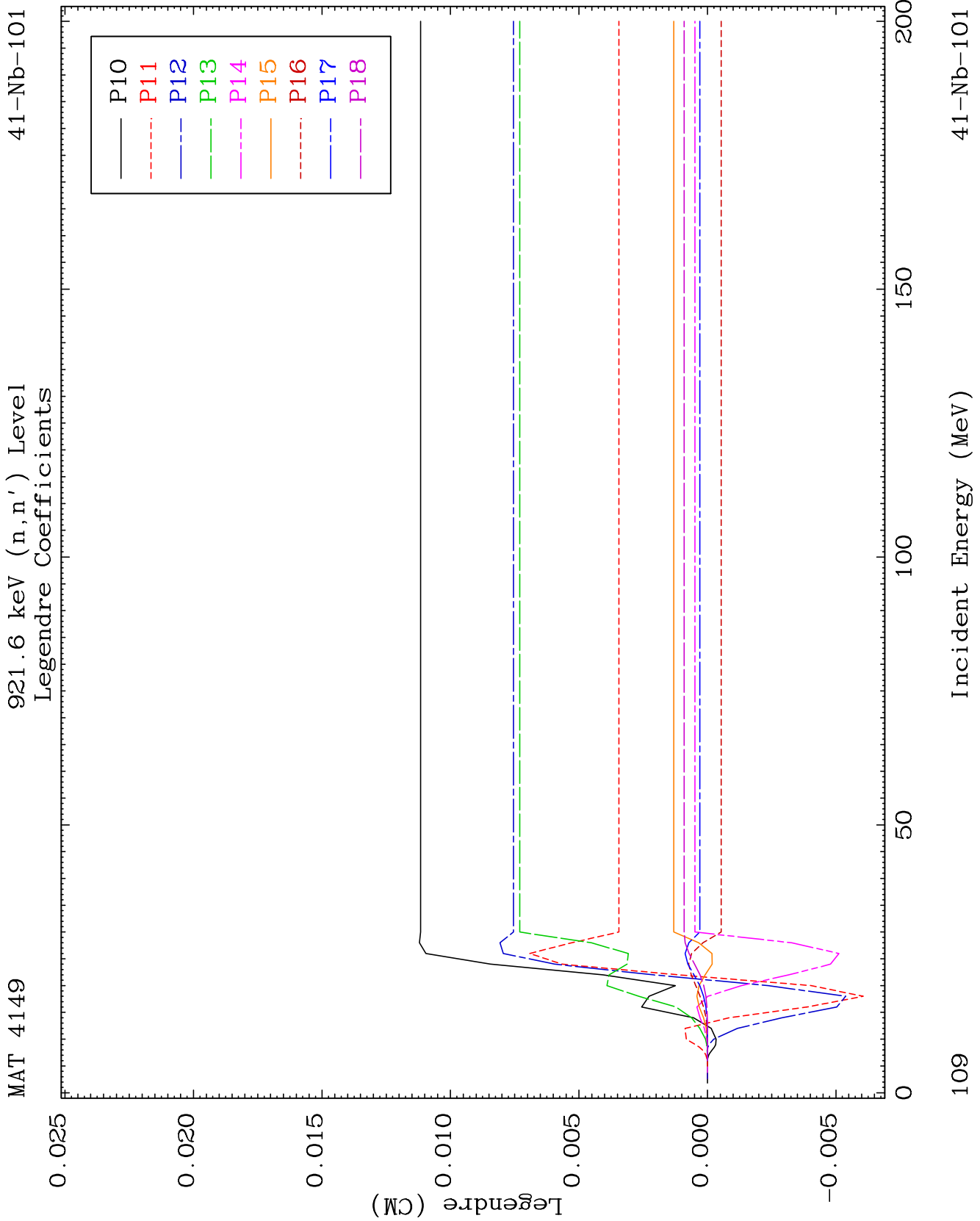
41-Nb-101



41-Nb-101

Incident Energy (MeV)

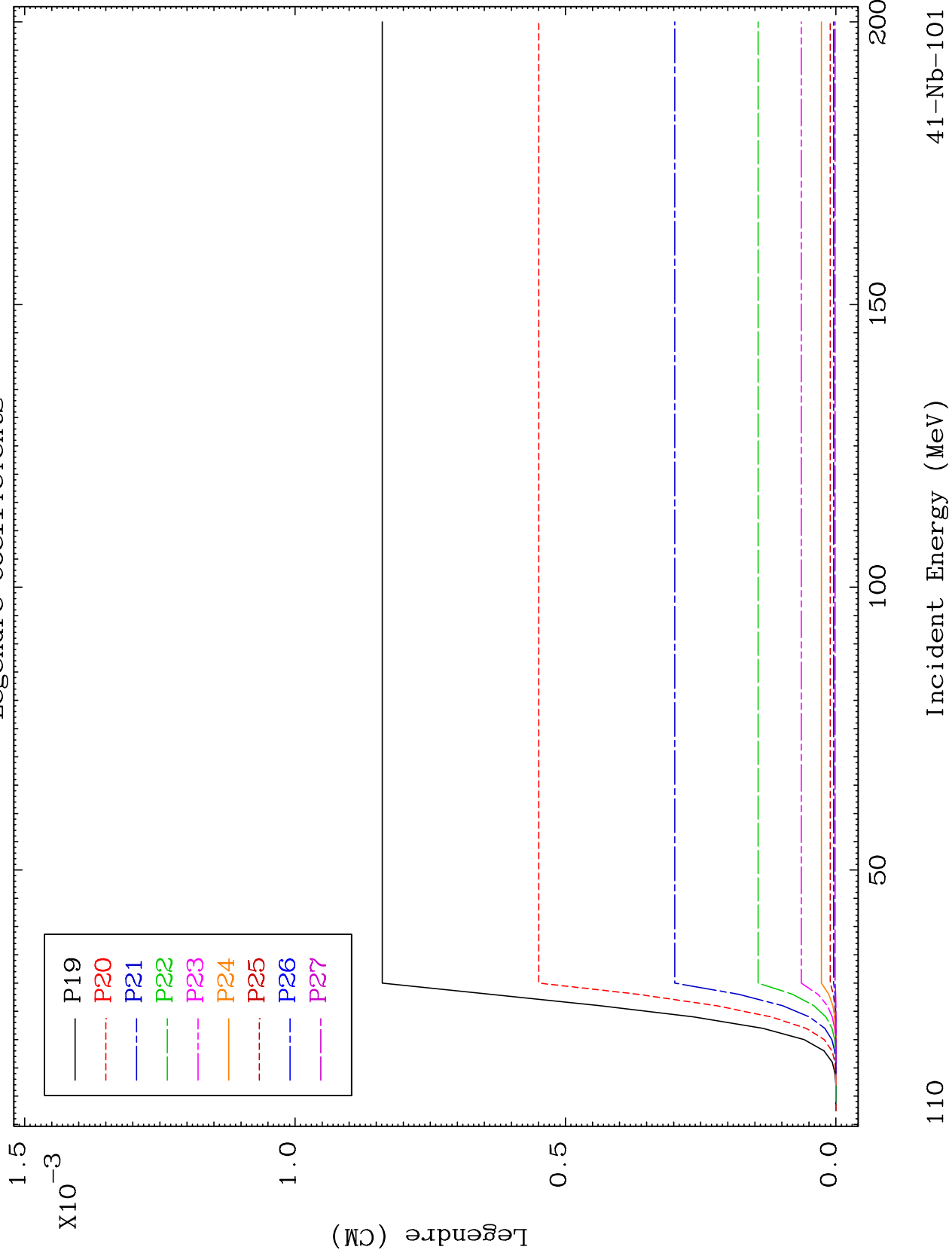
108



MAT 4149

921.6 keV (n,n') Level
Legendre Coefficients

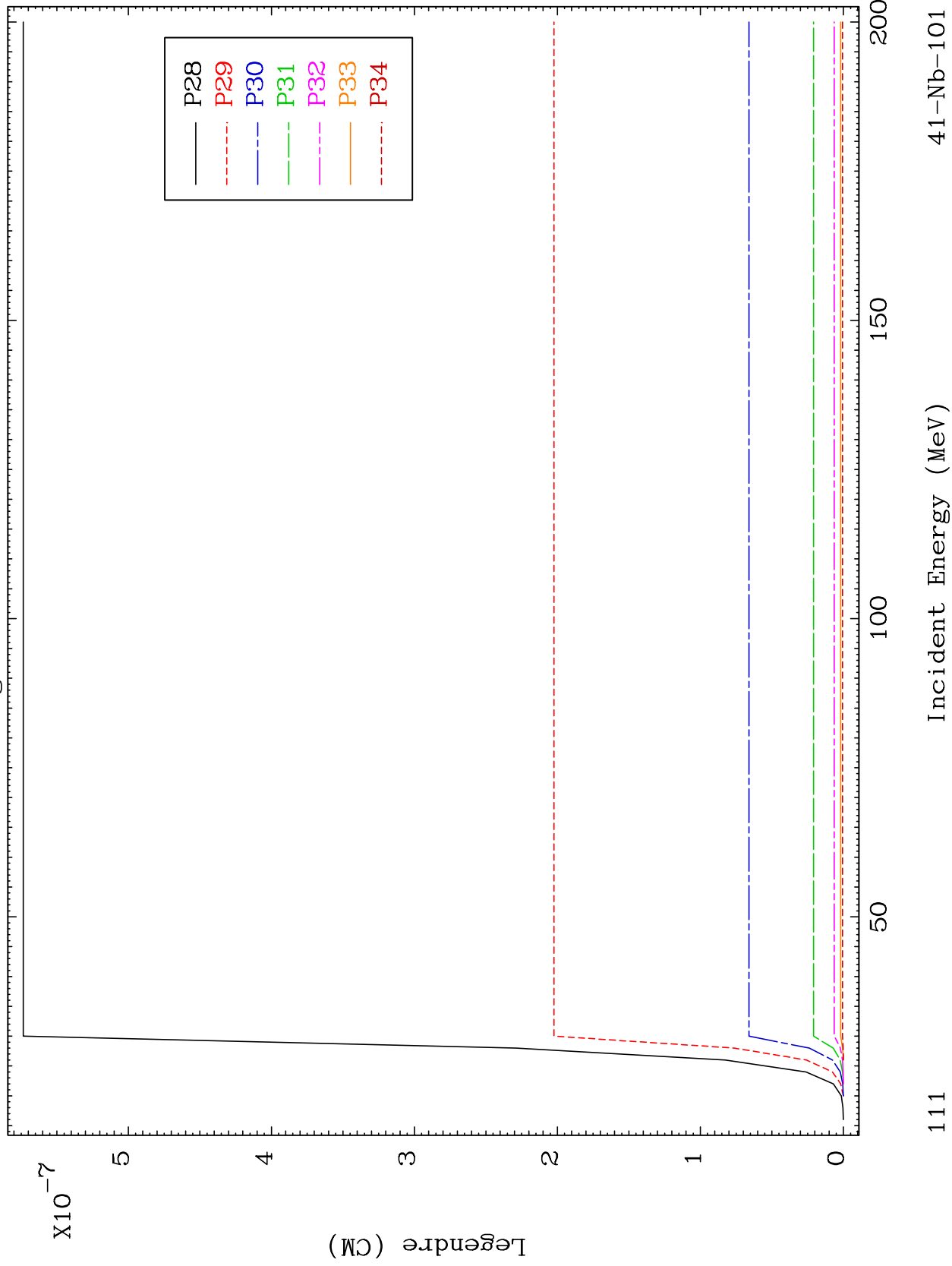
41-Nb-101



MAT 4149

921.6 keV (n,n') Level
Legendre Coefficients

41-Nb-101

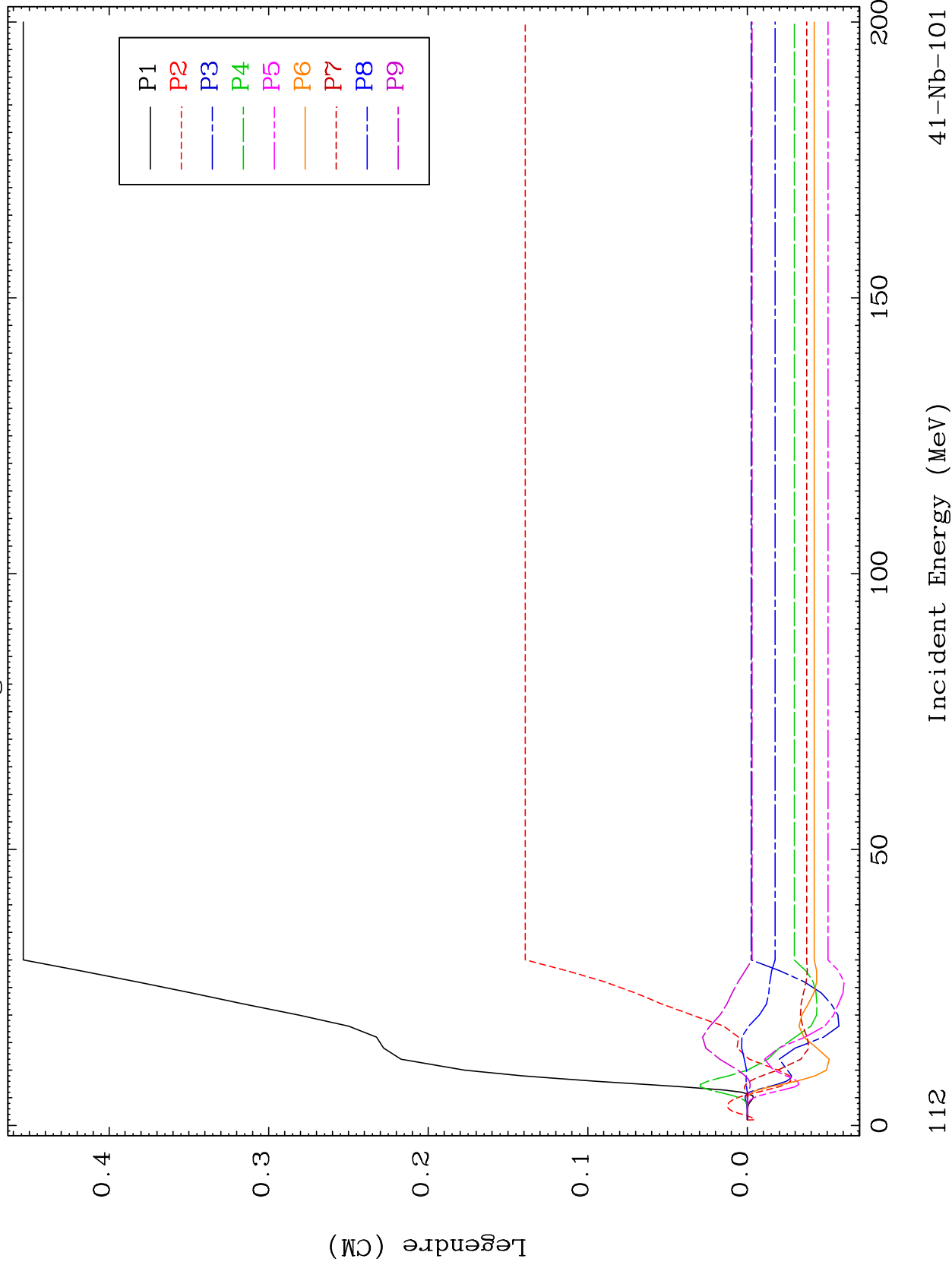


111

MAT 4149

952.8 keV (n,n') Level
Legendre Coefficients

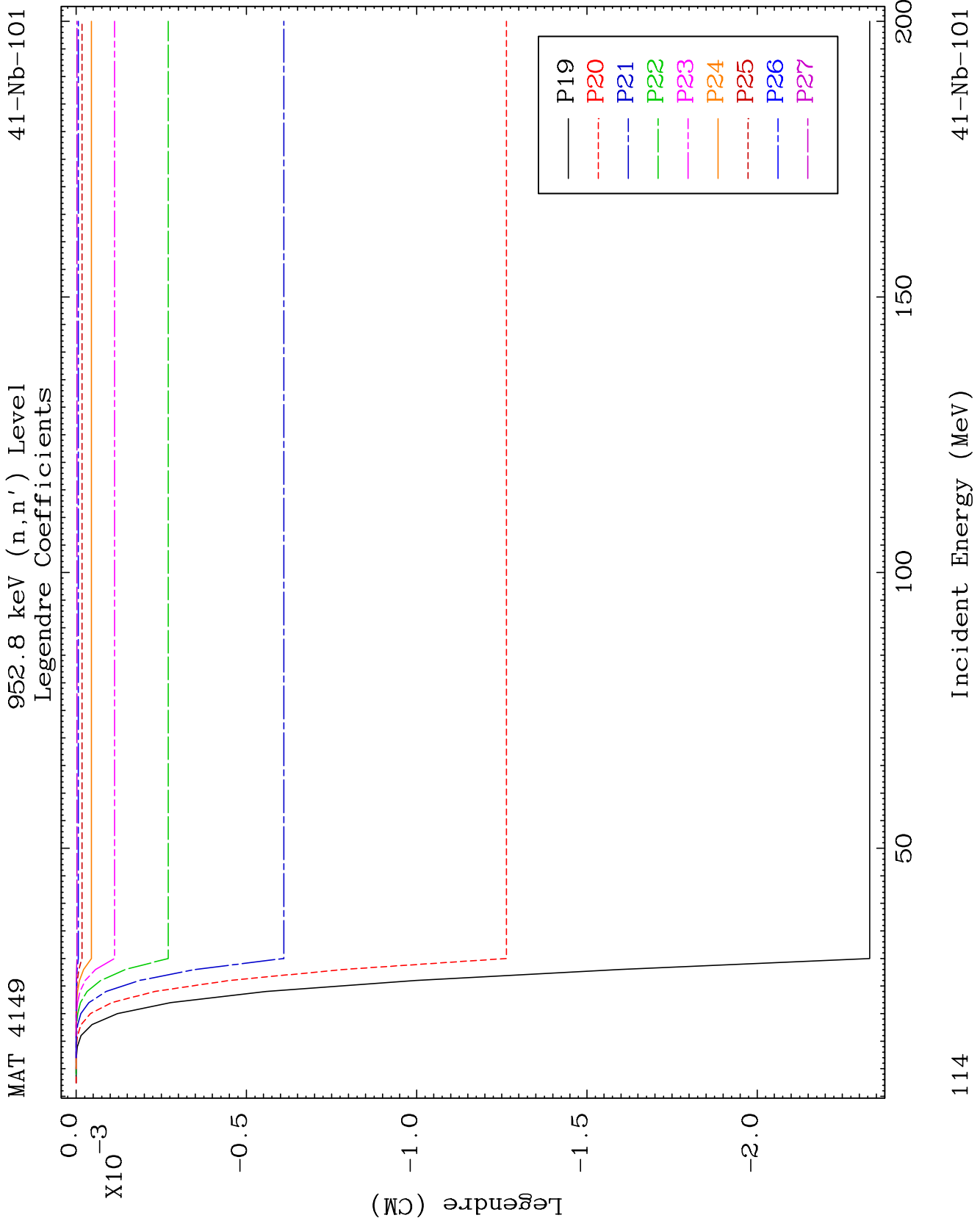
41-Nb-101

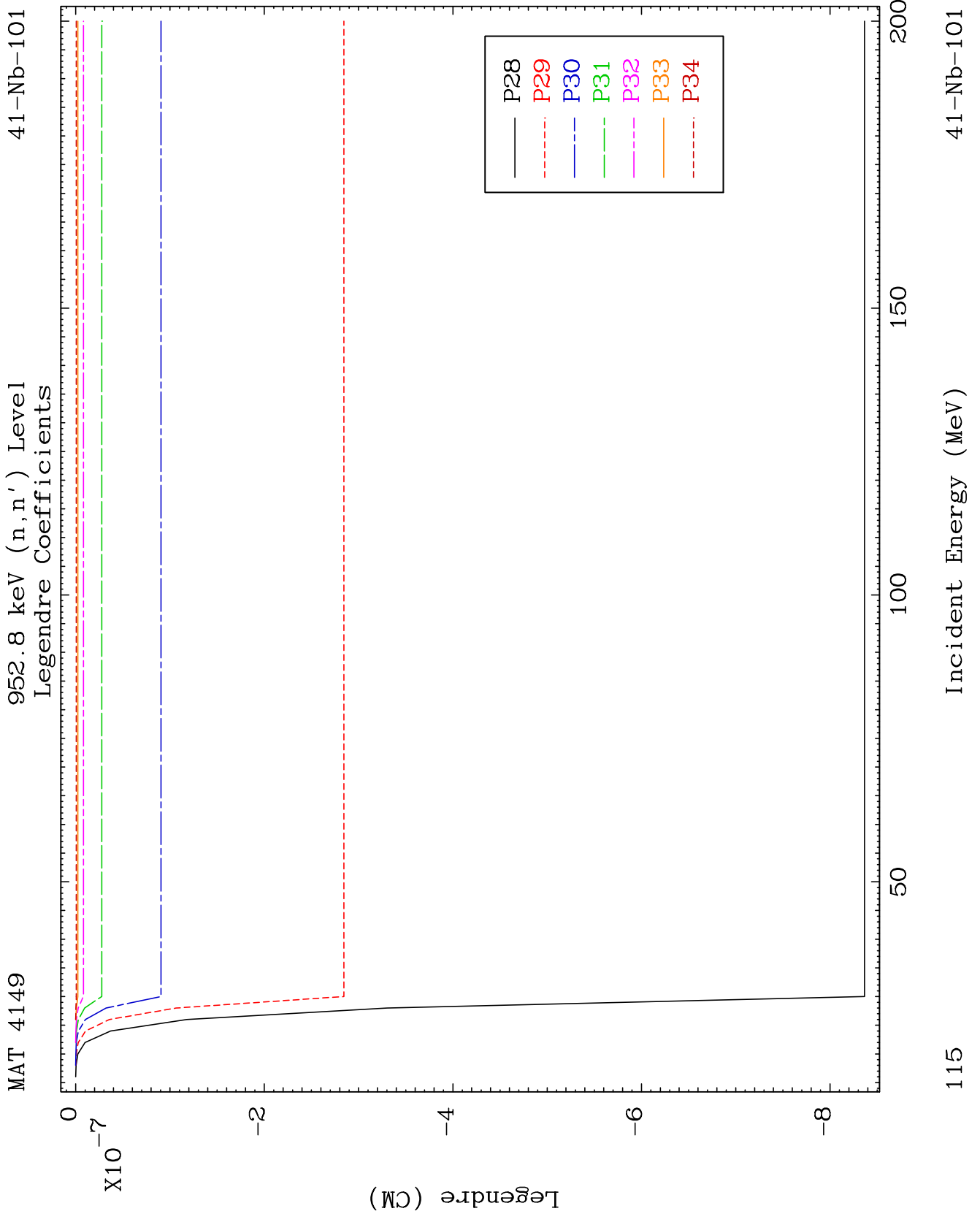


112

Incident Energy (MeV)

41-Nb-101

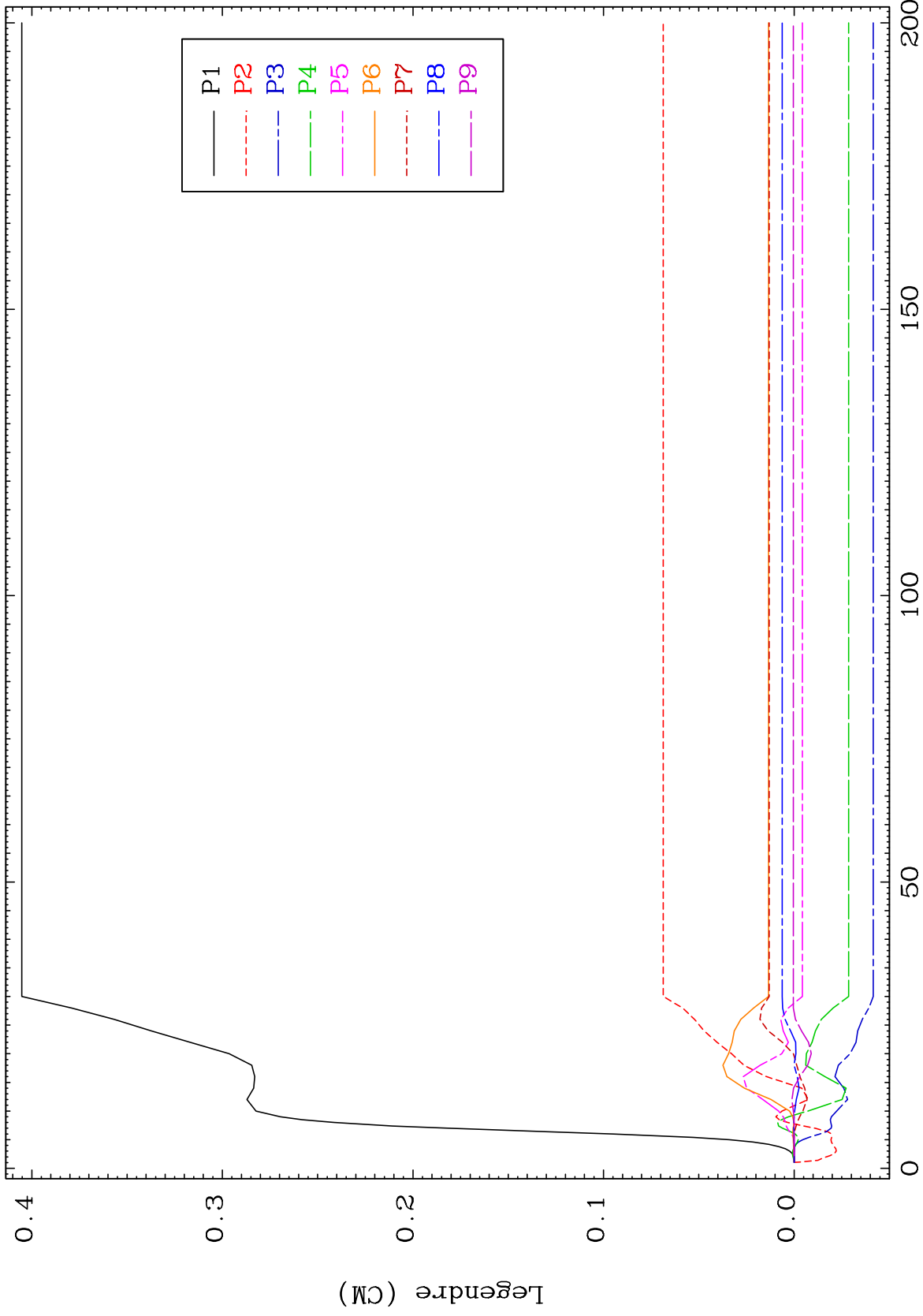




MAT 4149

1.006 MeV (n,n') Level
Legendre Coefficients

41-Nb-101



116

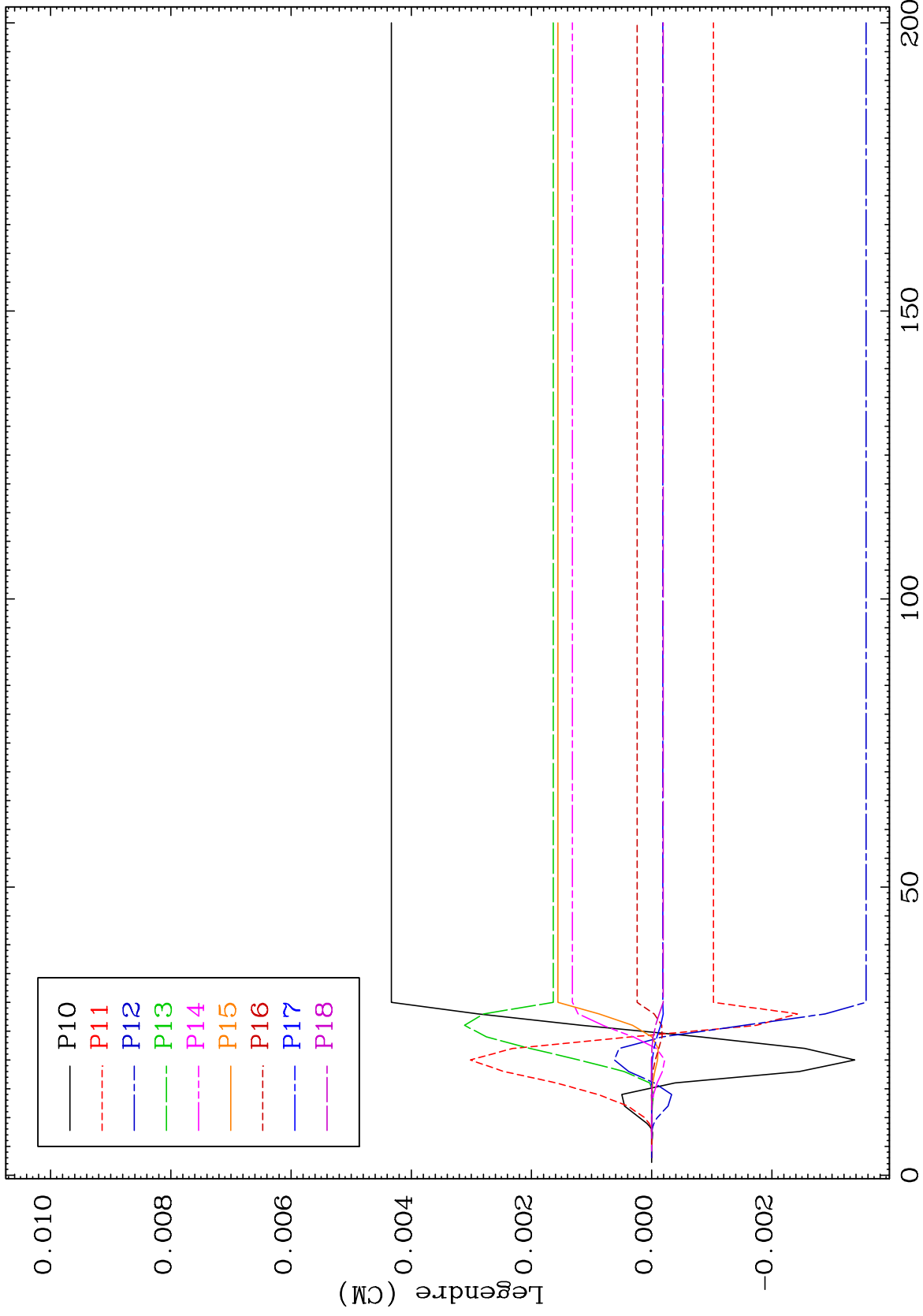
Incident Energy (MeV)

41-Nb-101

MAT 4149

1.006 MeV (n,n') Level
Legendre Coefficients

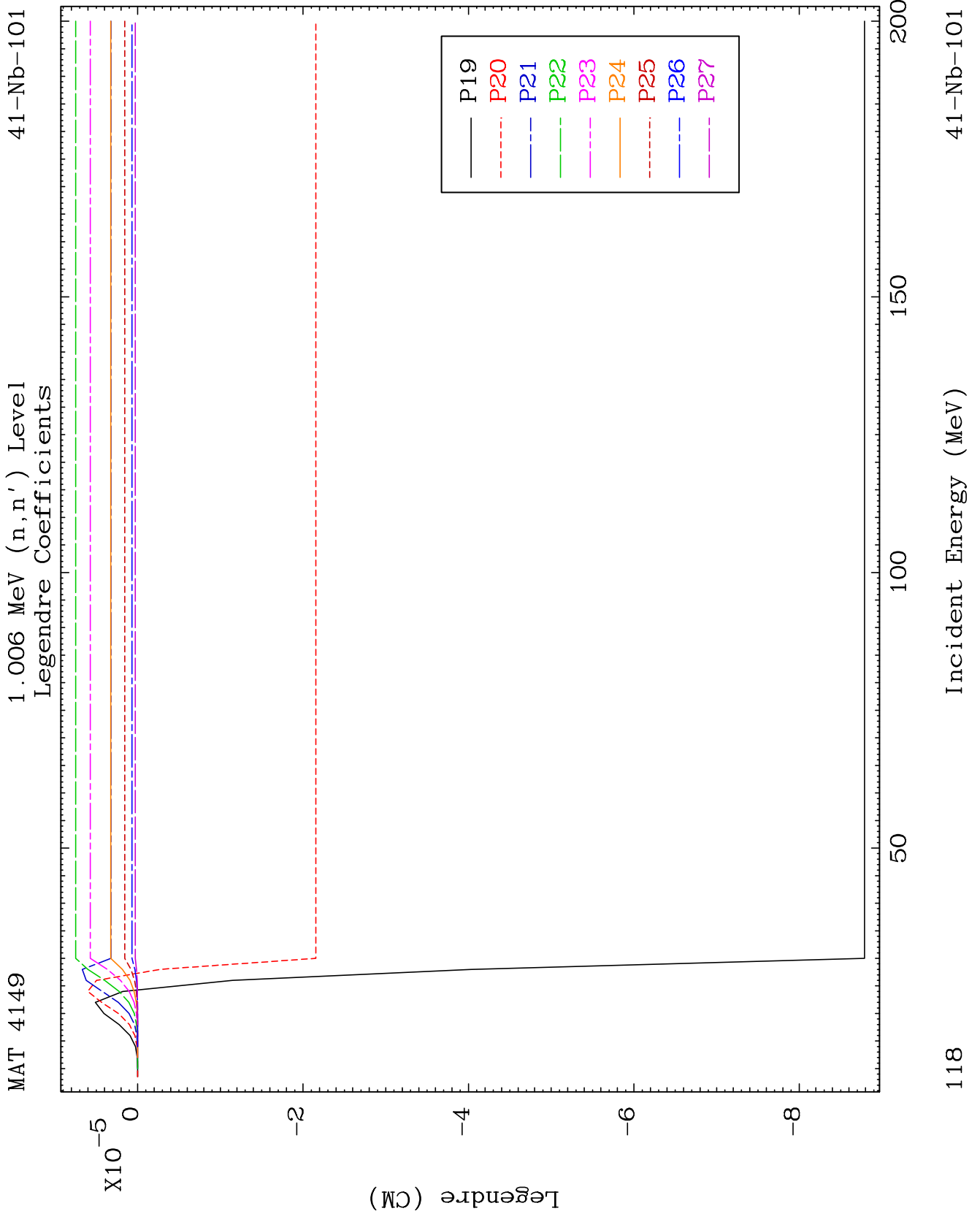
41-Nb-101

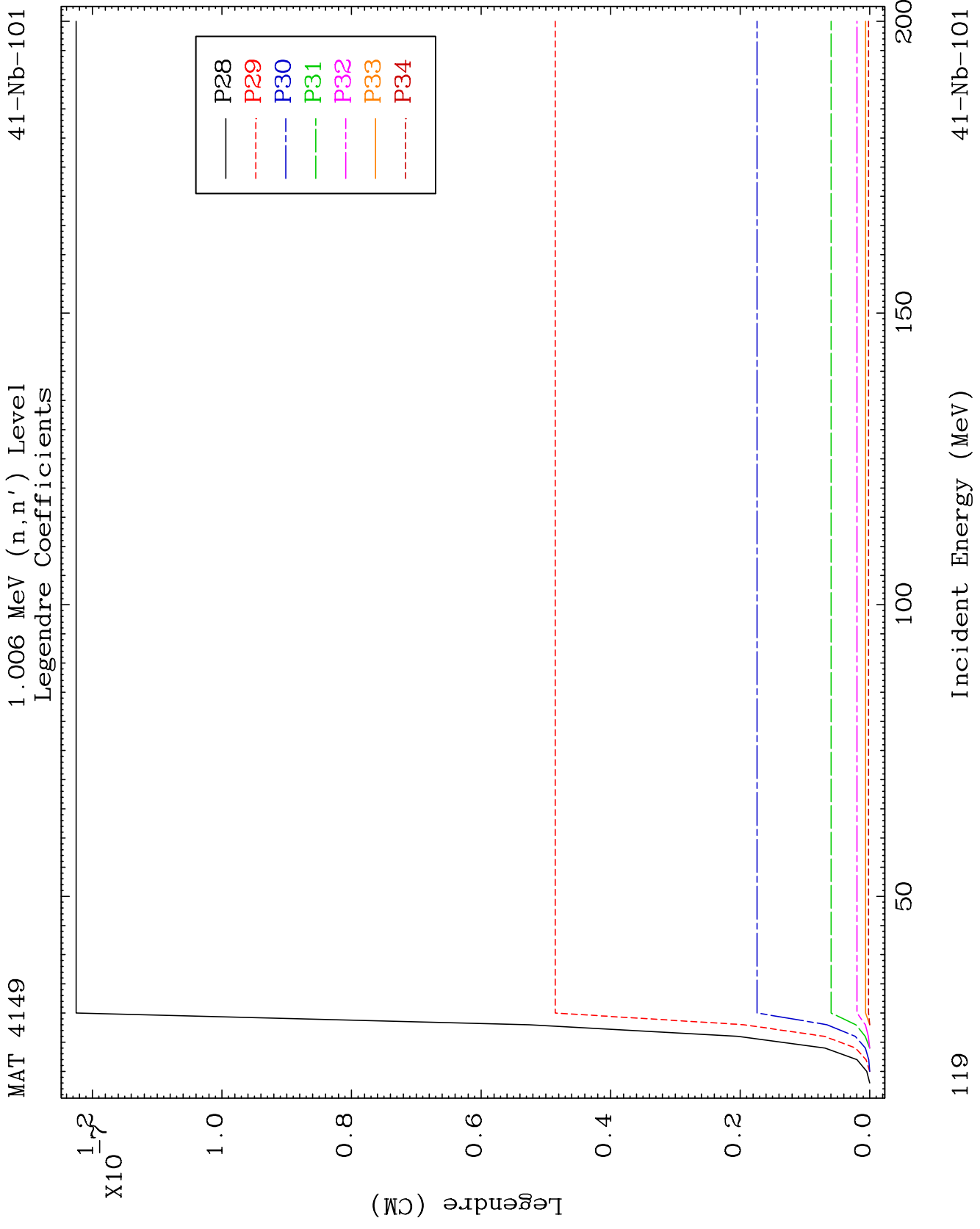


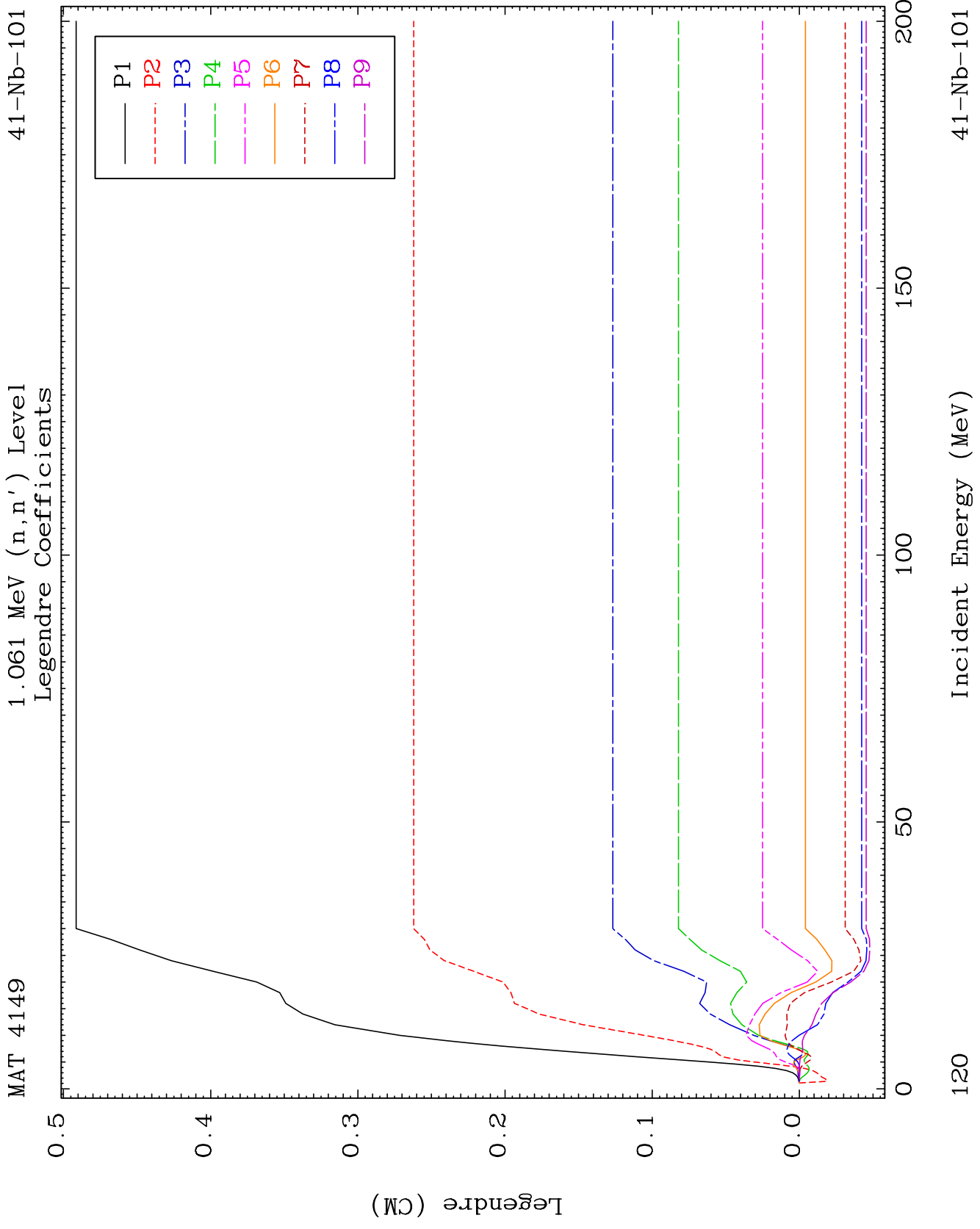
117

Incident Energy (MeV)

41-Nb-101



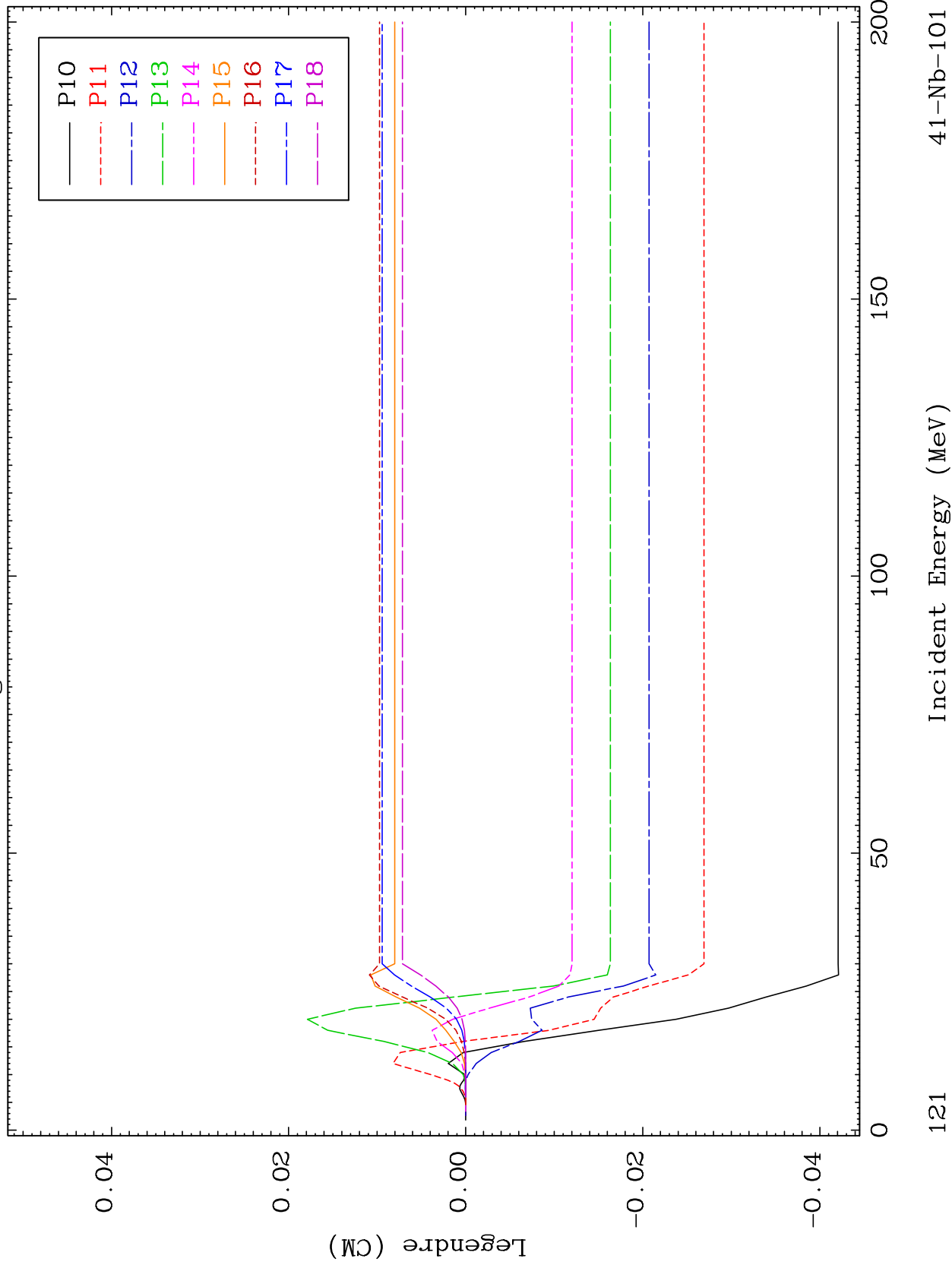




MAT 4149

1.061 MeV (n,n') Level
Legendre Coefficients

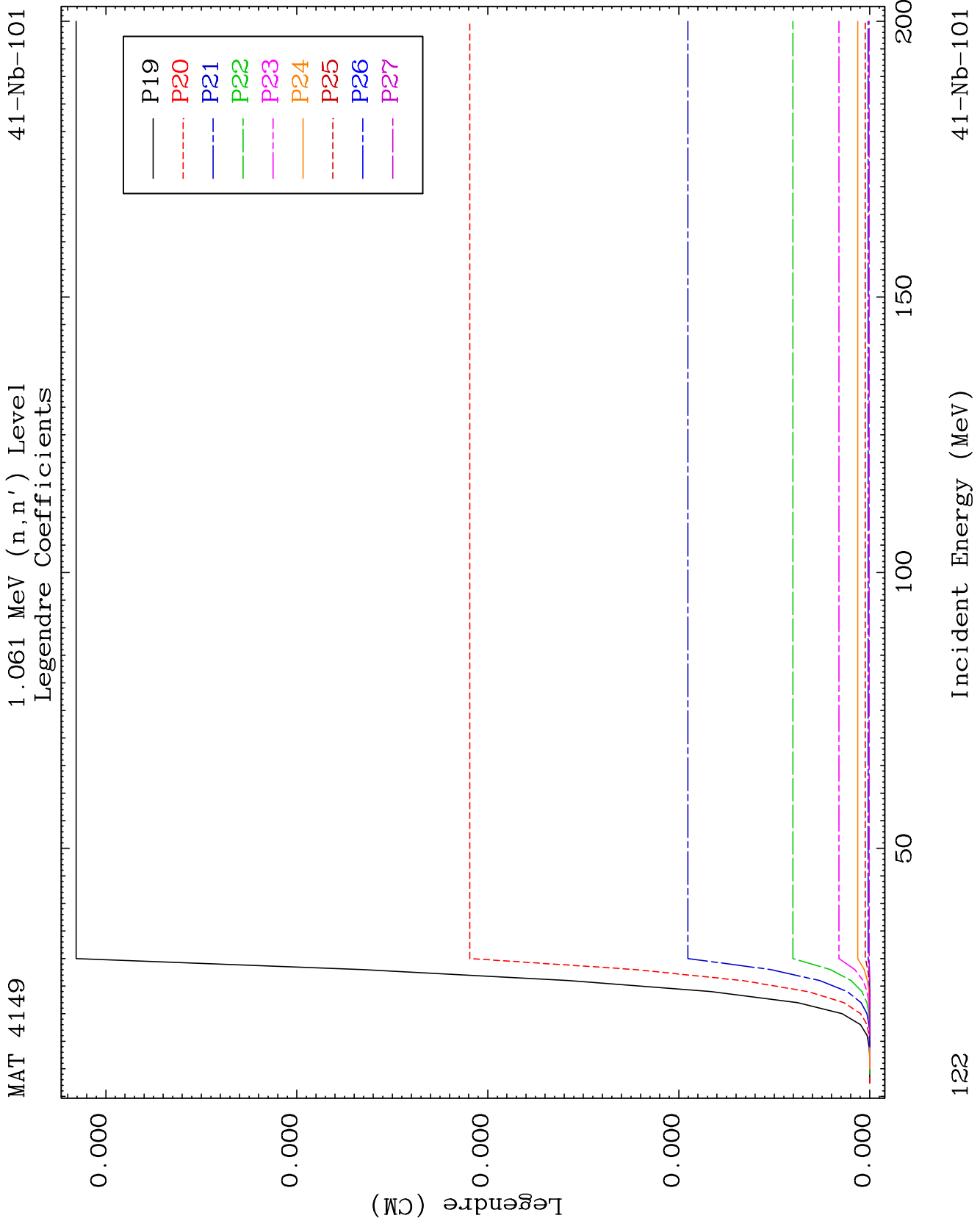
41-Nb-101

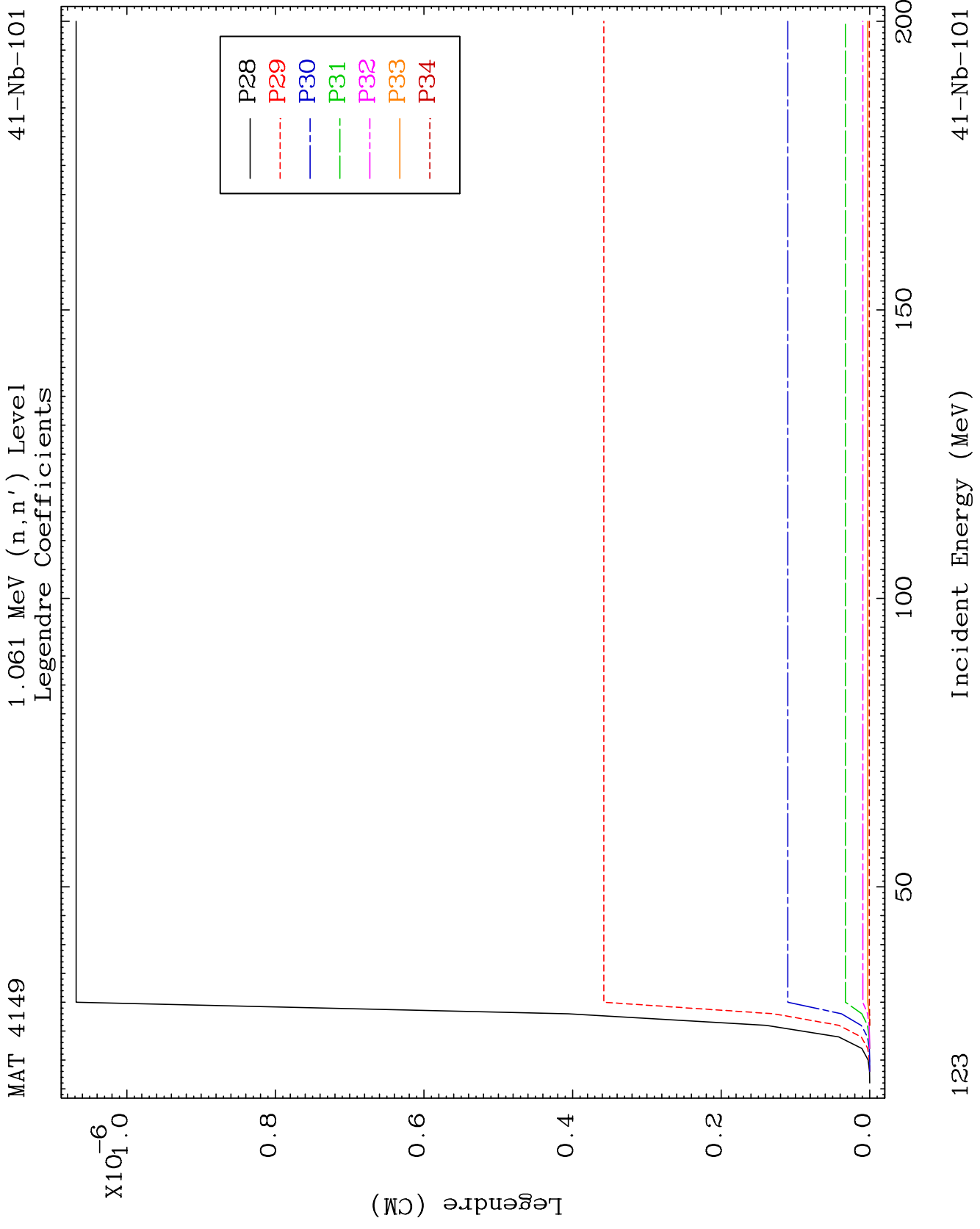


121

Incident Energy (MeV)

41-Nb-101

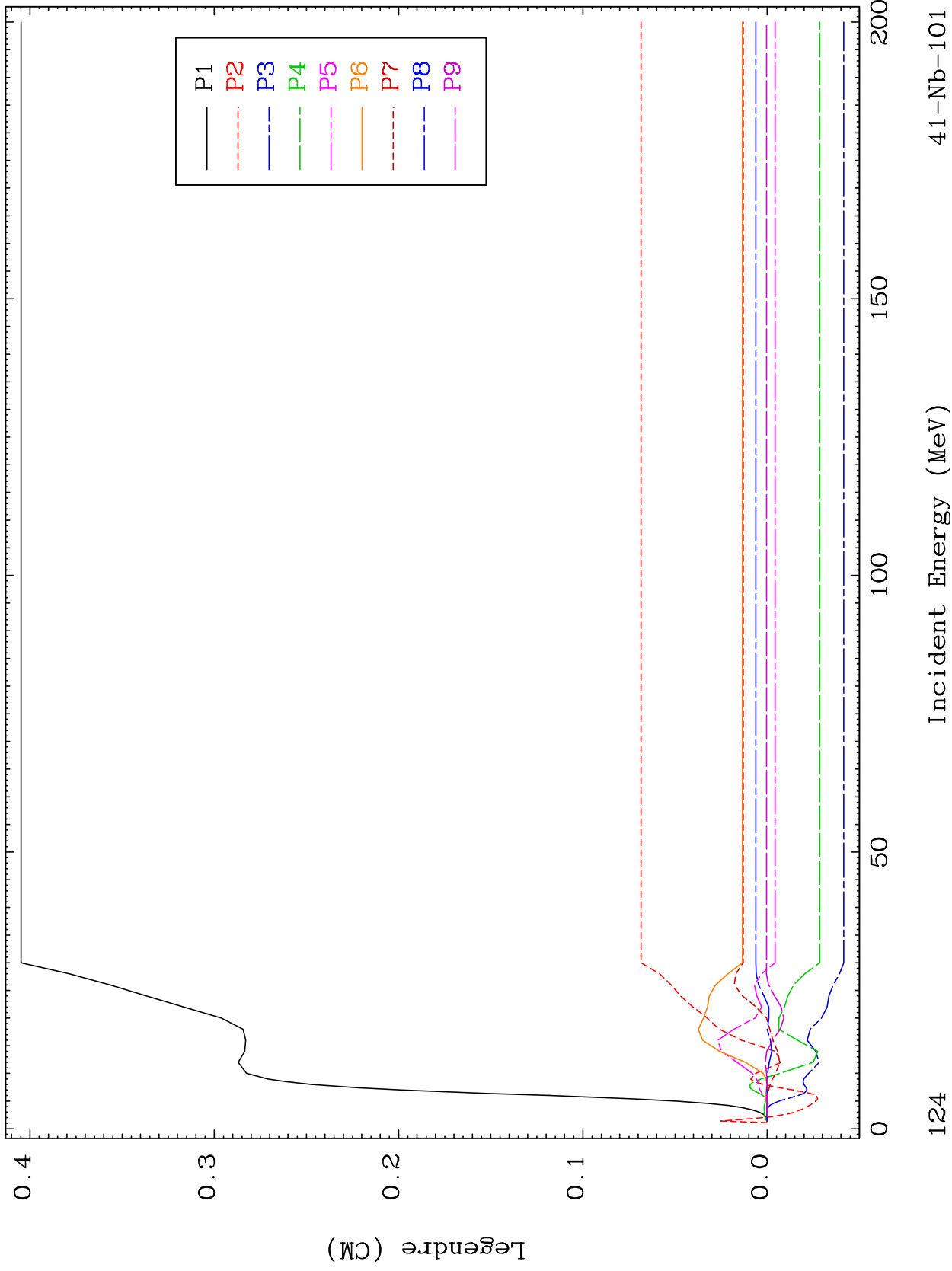




MAT 4149

1.073 MeV (n,n') Level
Legendre Coefficients

41-Nb-101



124

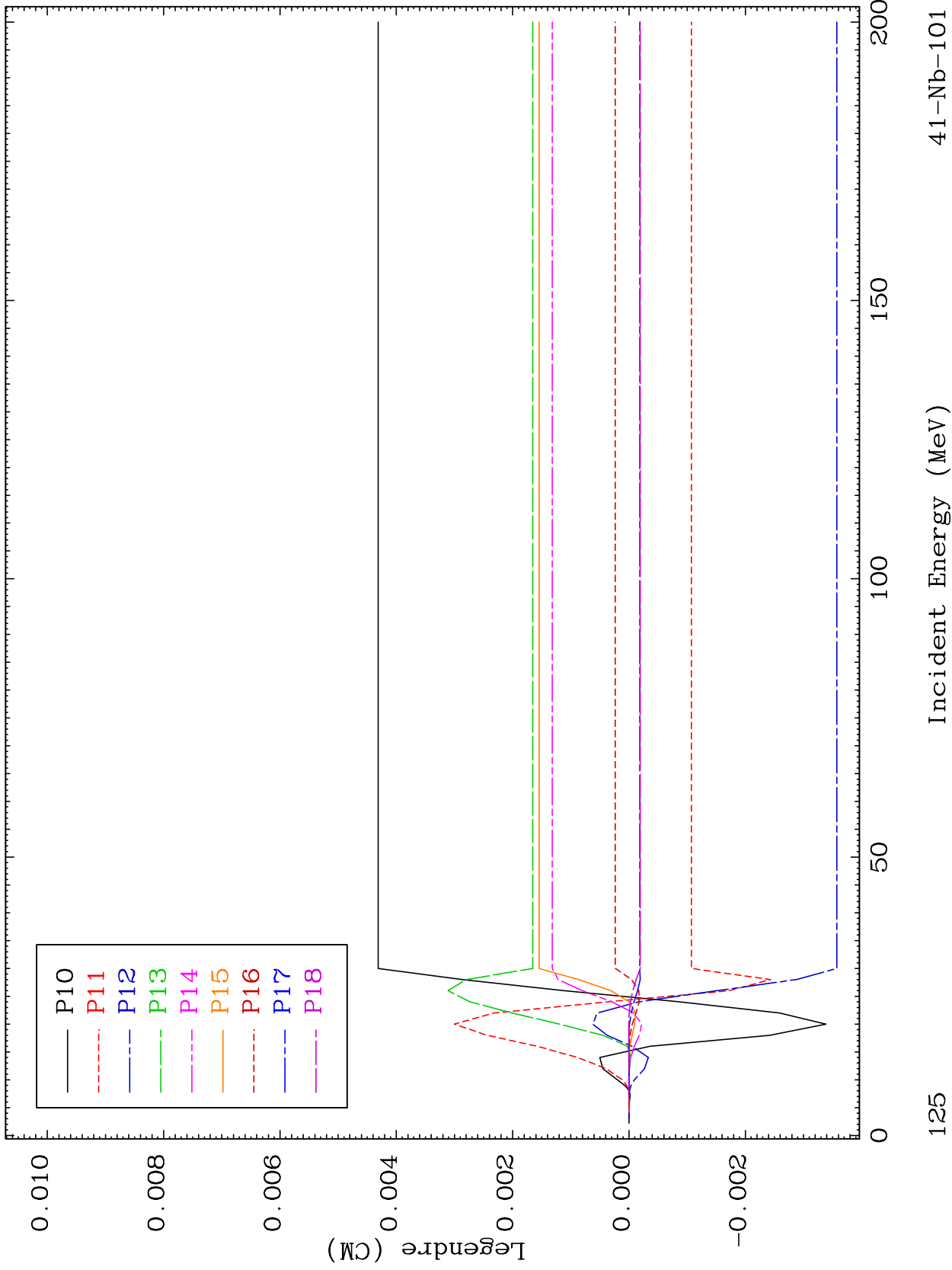
Incident Energy (MeV)

41-Nb-101

MAT 4149

1.073 MeV (n,n') Level
Legendre Coefficients

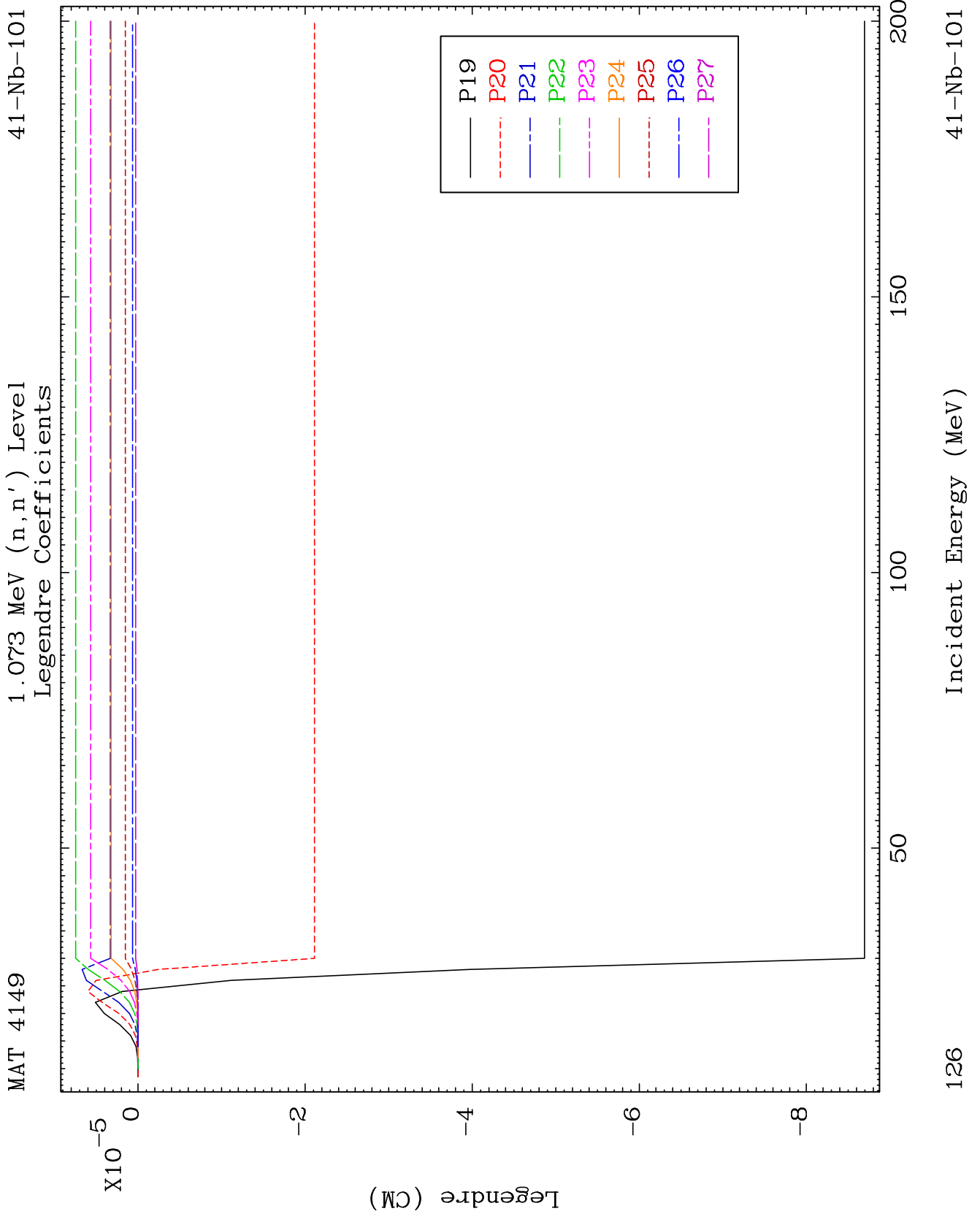
41-Nb-101

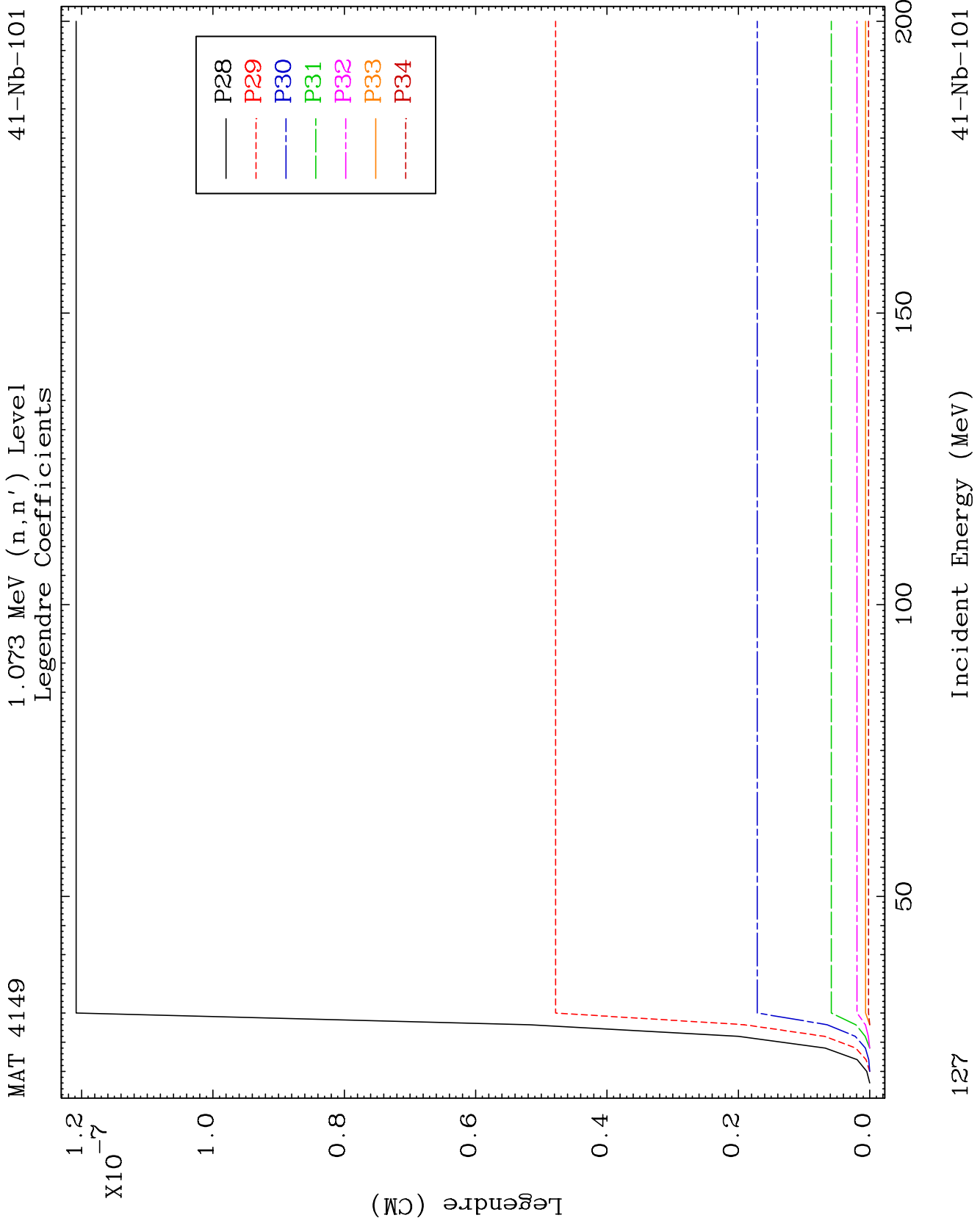


125

Incident Energy (MeV)

41-Nb-101

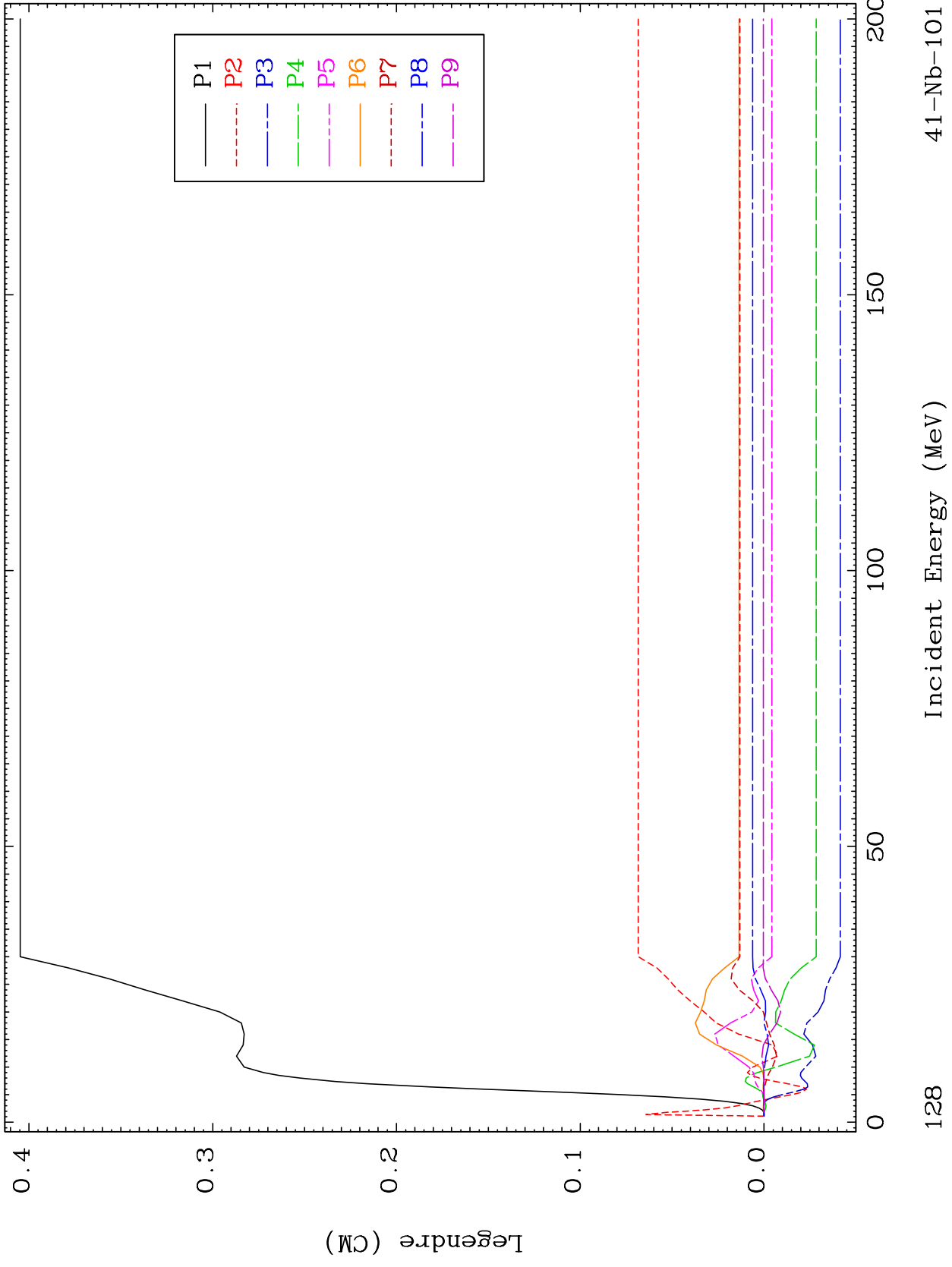




MAT 4149

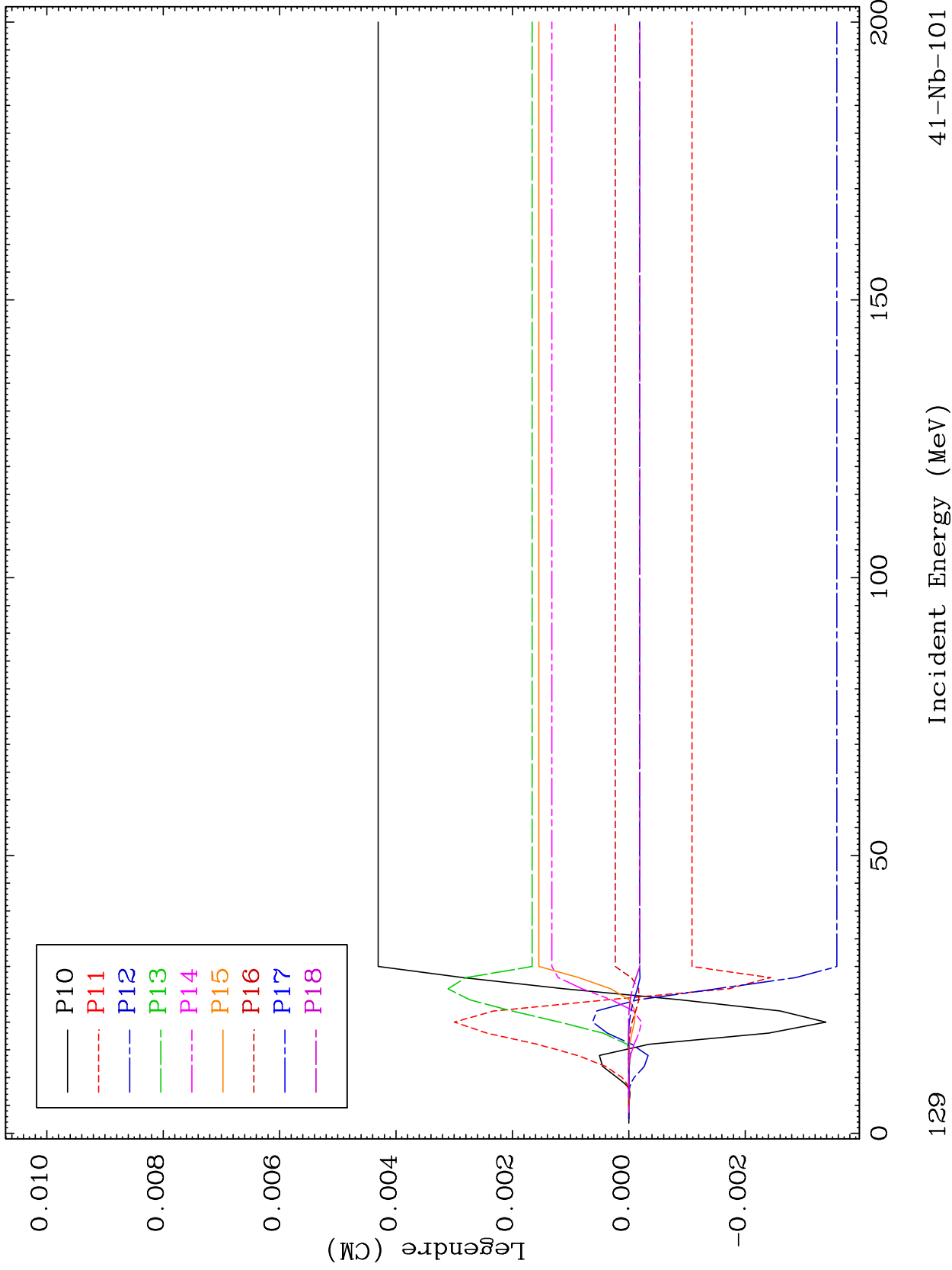
1.093 MeV (n,n') Level
Legendre Coefficients

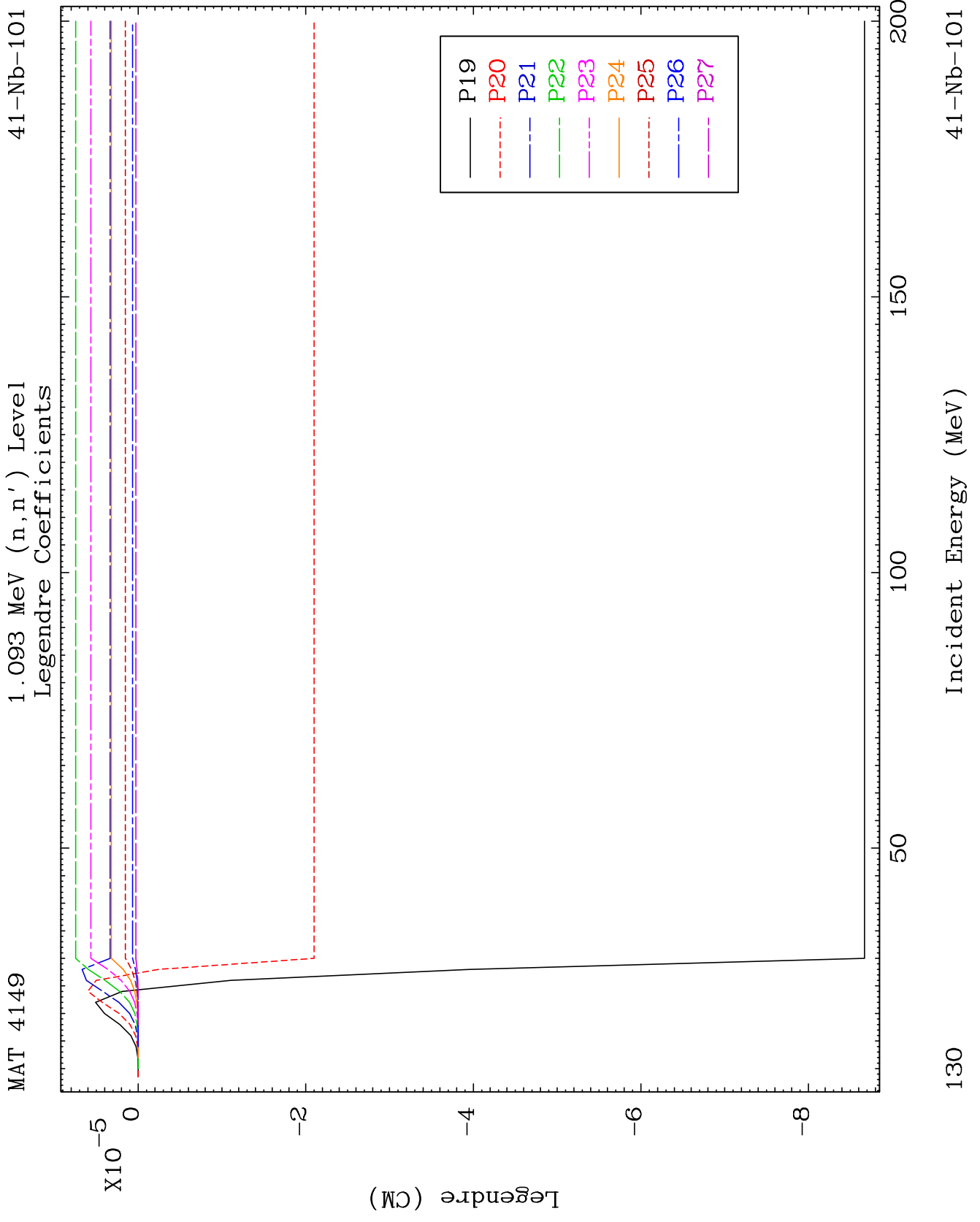
41-Nb-101

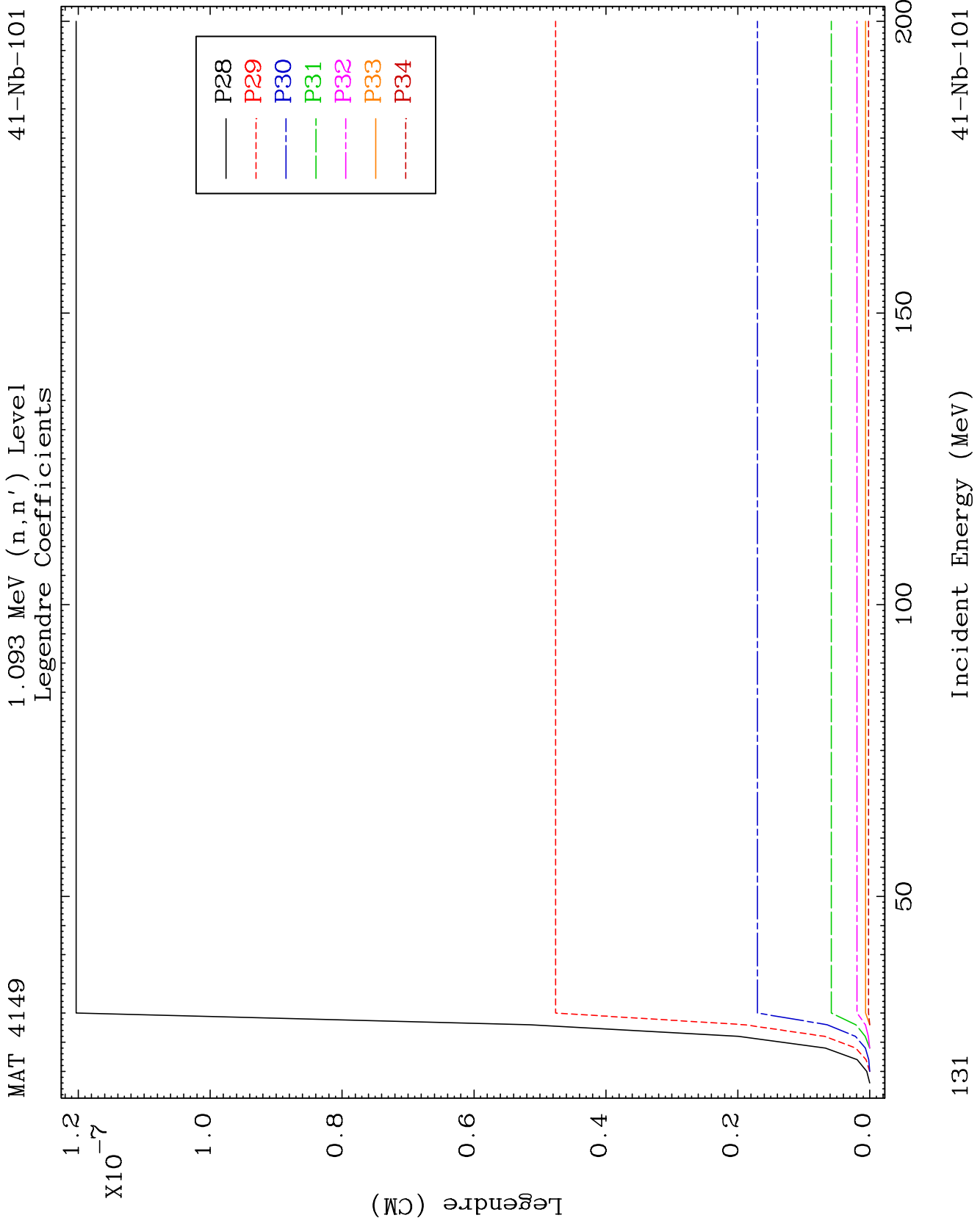


128

41-Nb-101



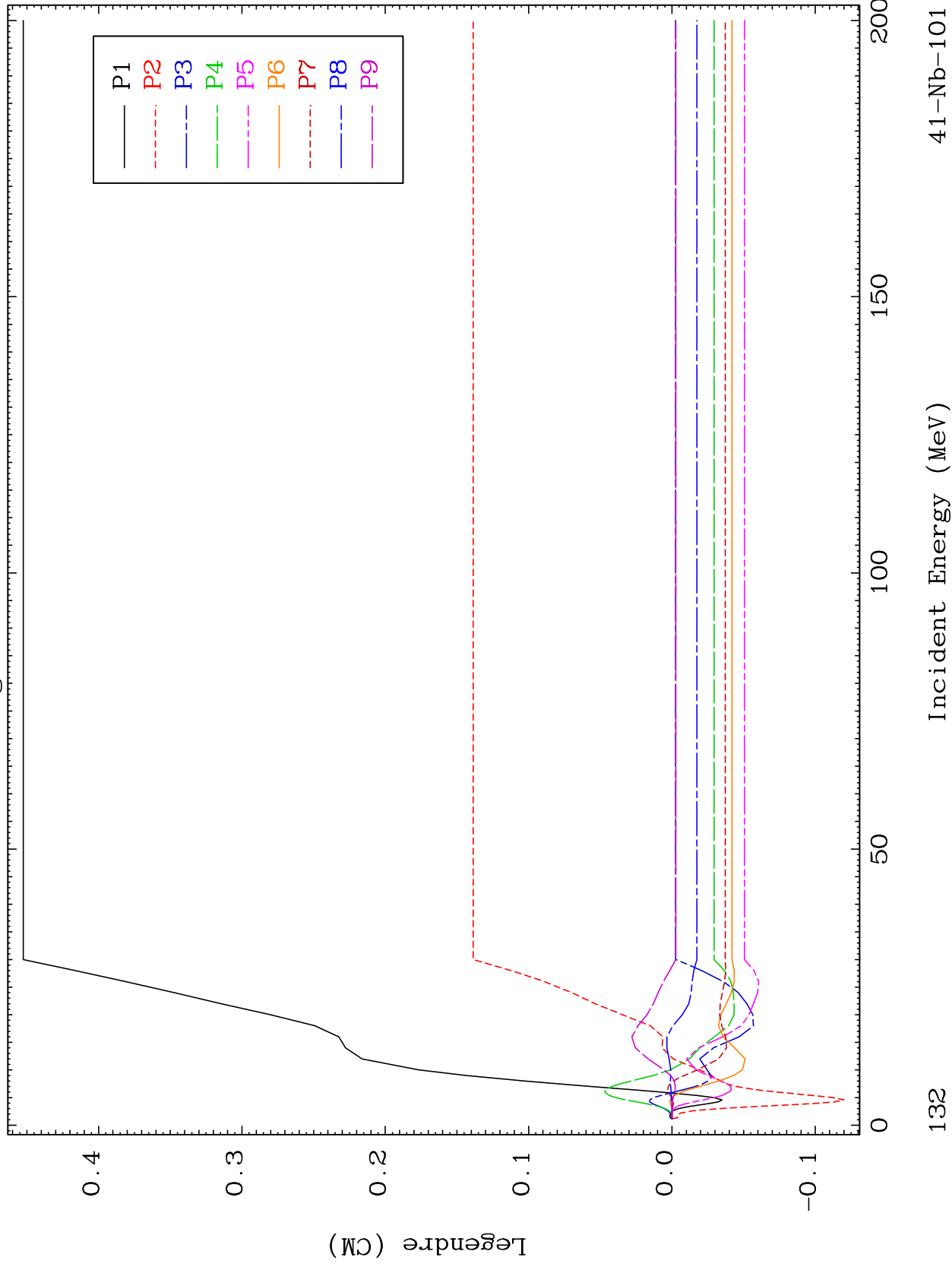




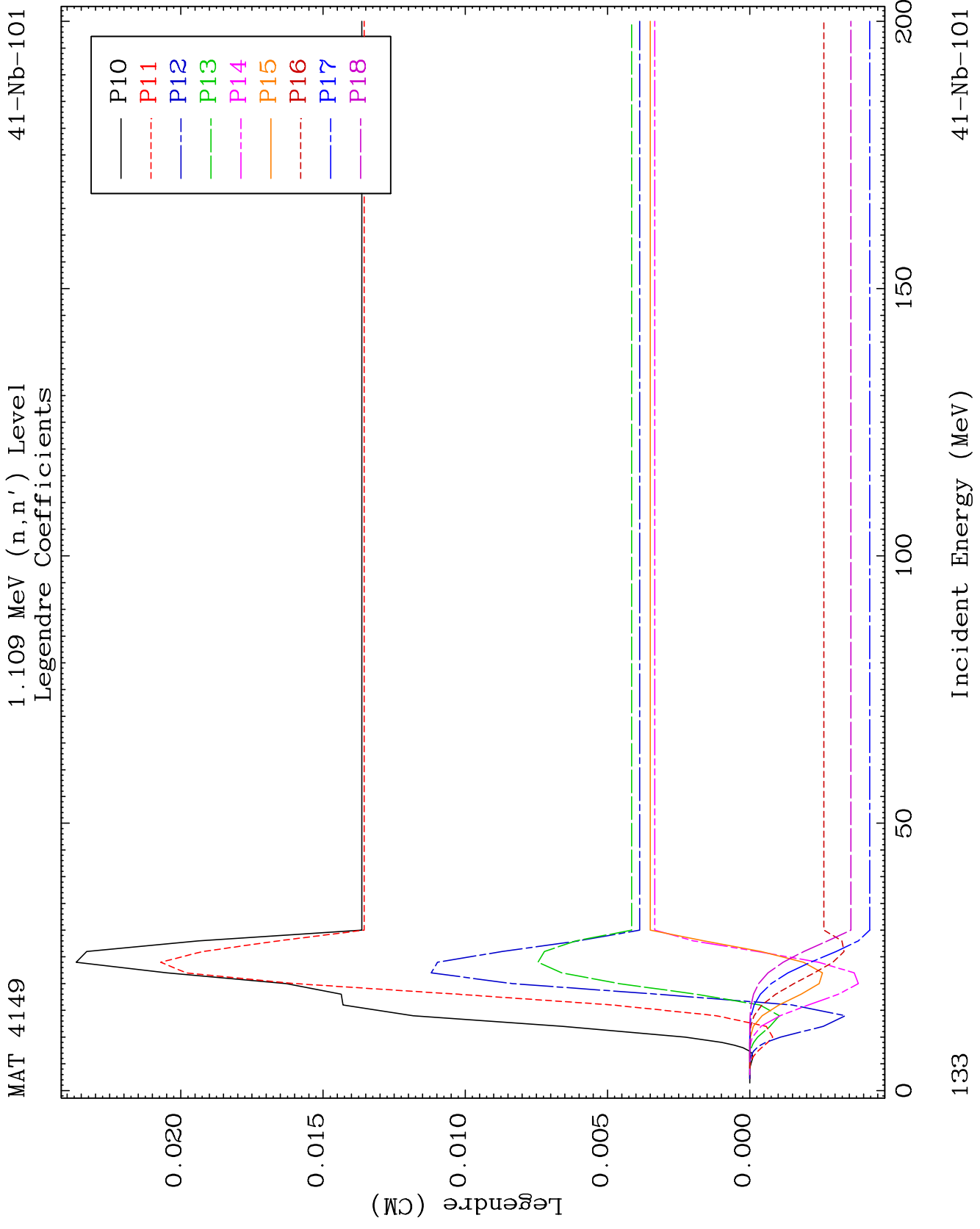
MAT 4149

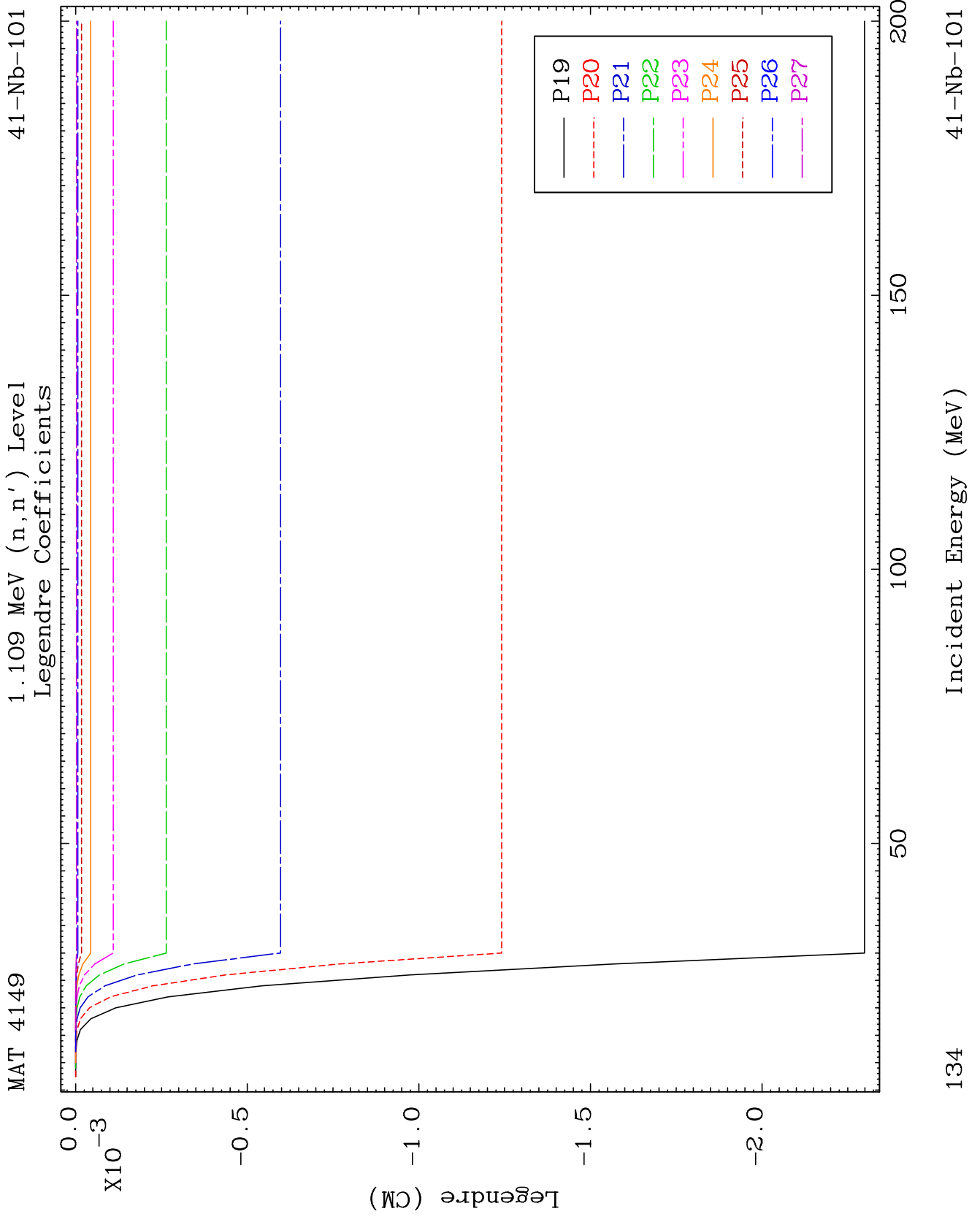
1.109 MeV (n,n') Level
Legendre Coefficients

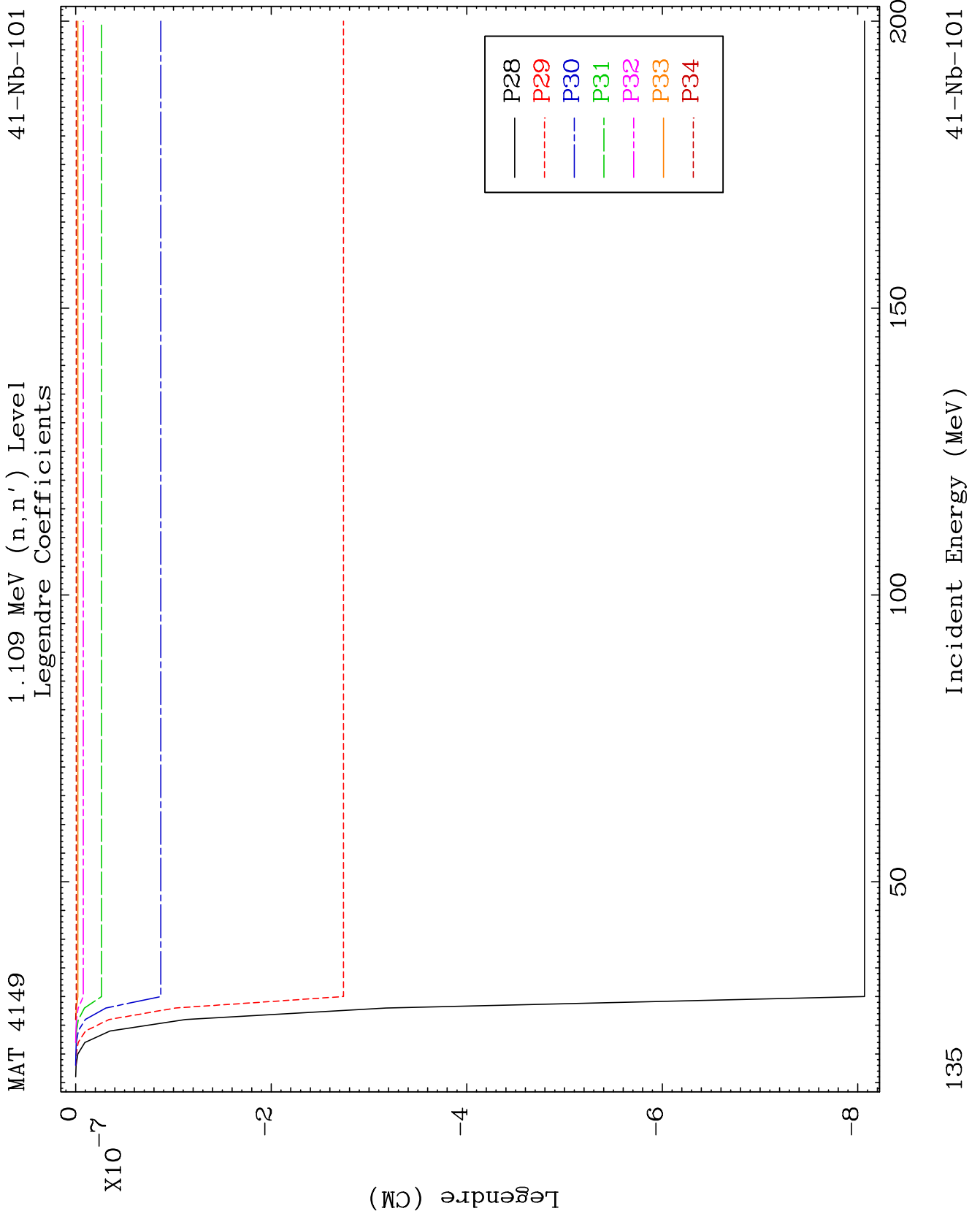
41-Nb-101

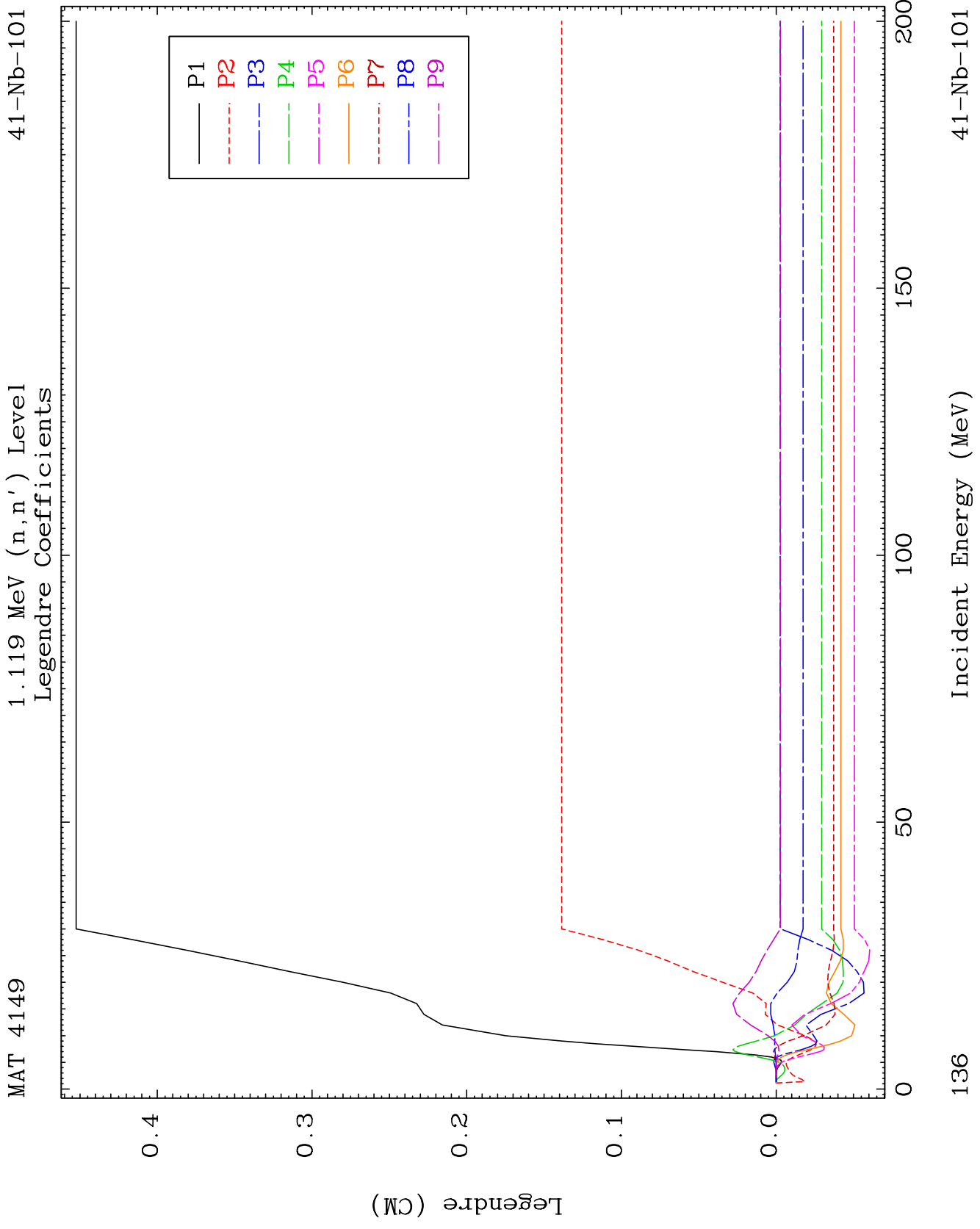


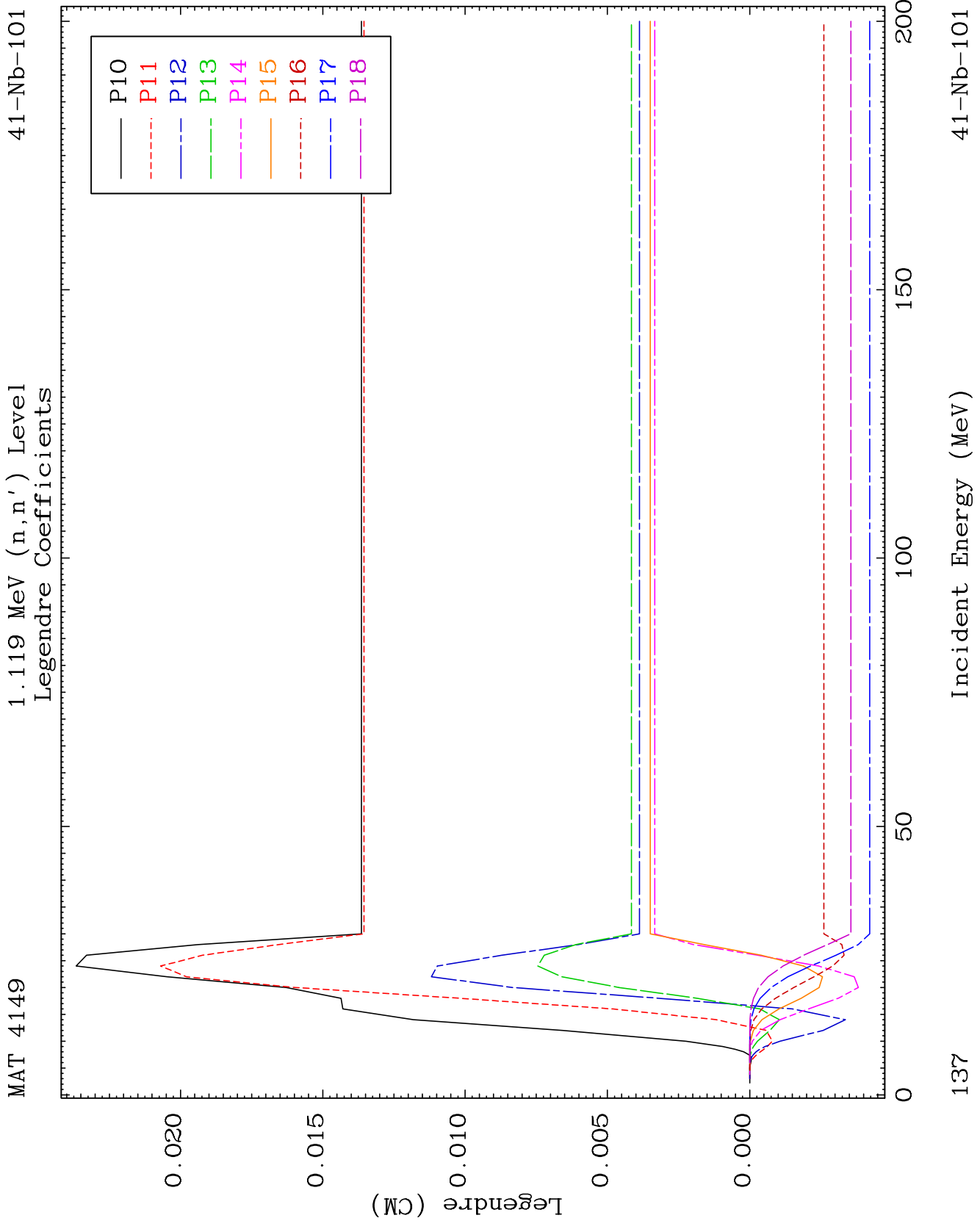
132

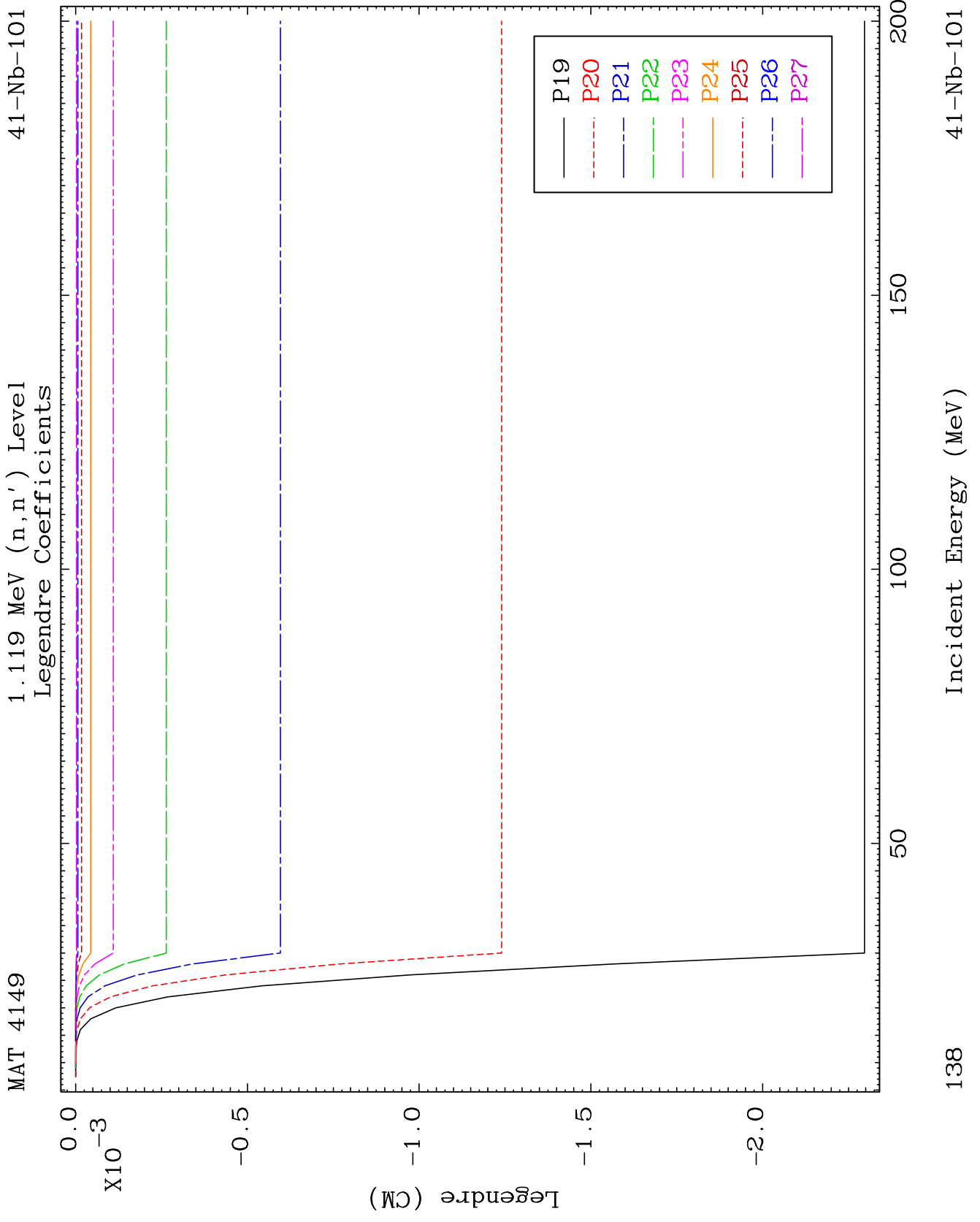


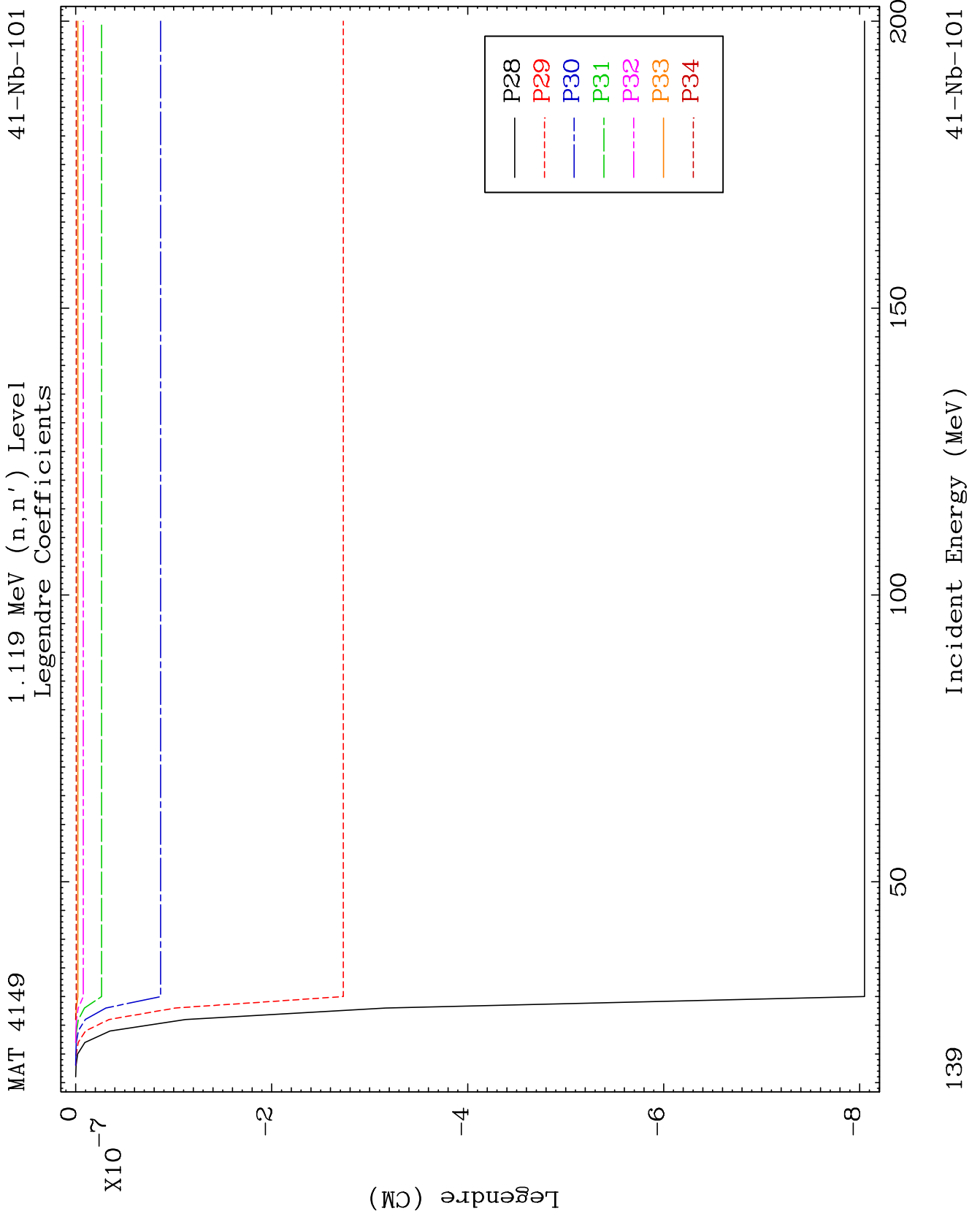








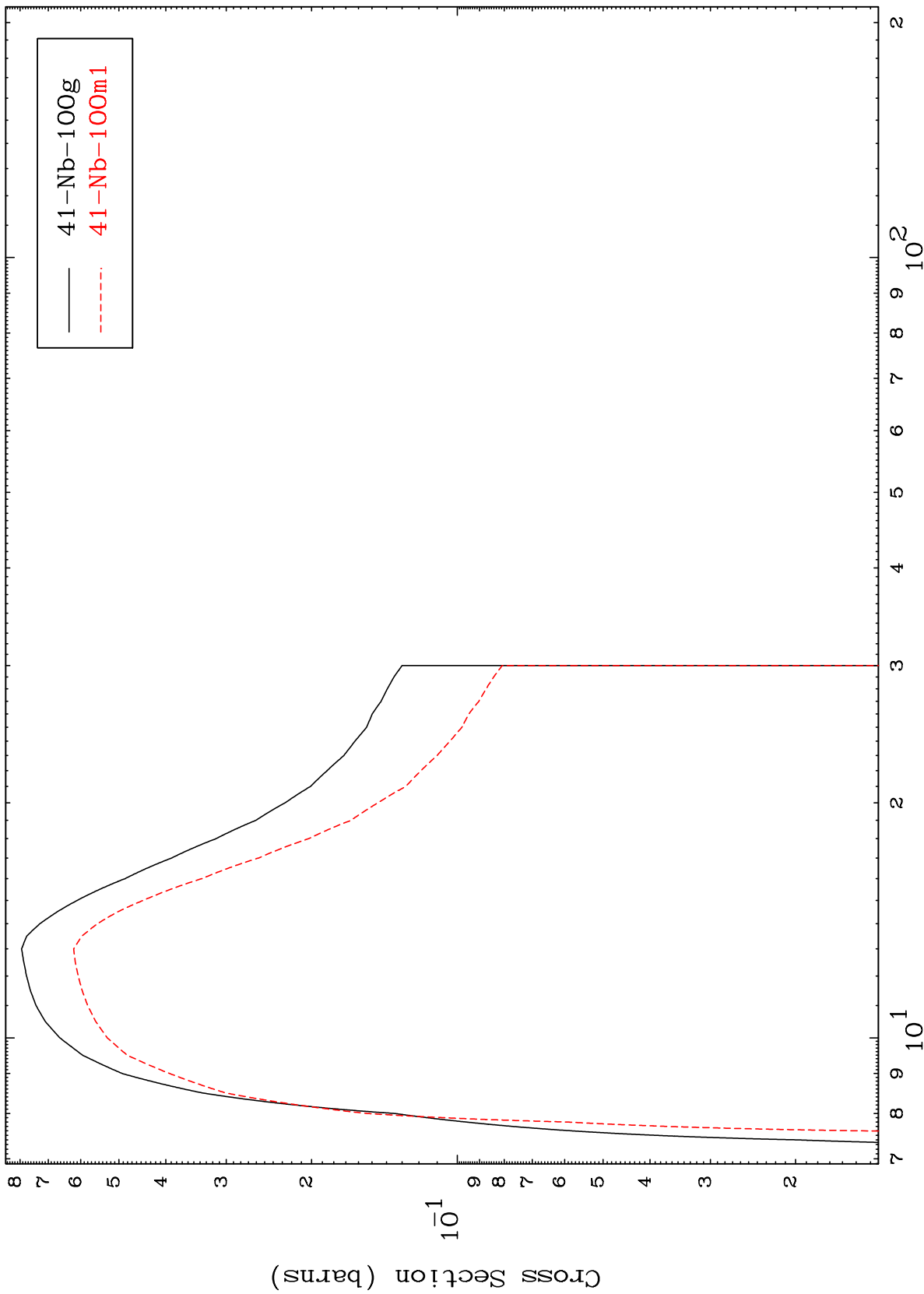




MAT 4149

41-Nb-101

(n,2n)
Radionuclide Production Cross Section



140

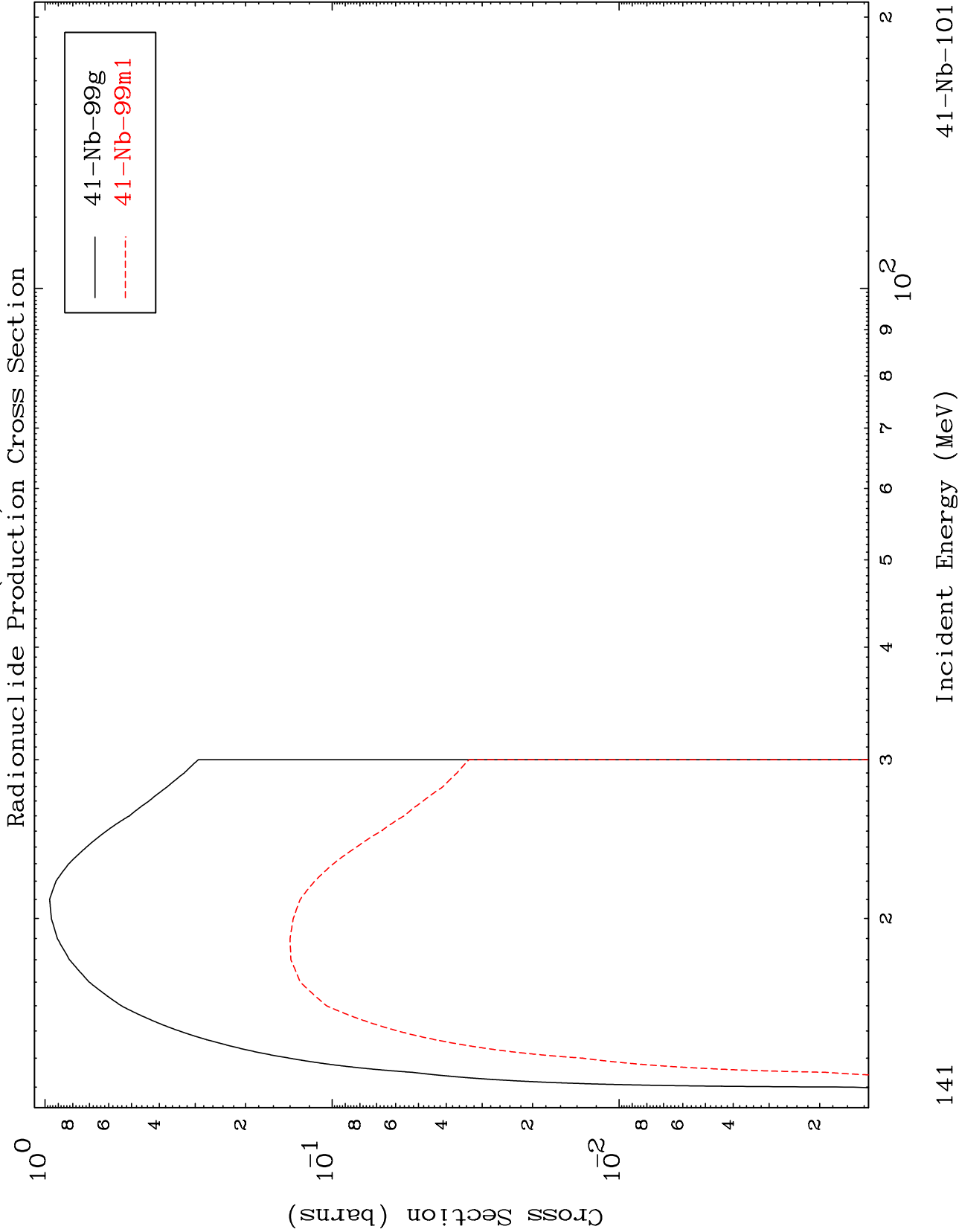
Incident Energy (MeV)

41-Nb-101

MAT 4149

(n,3n)

41-Nb-101



141

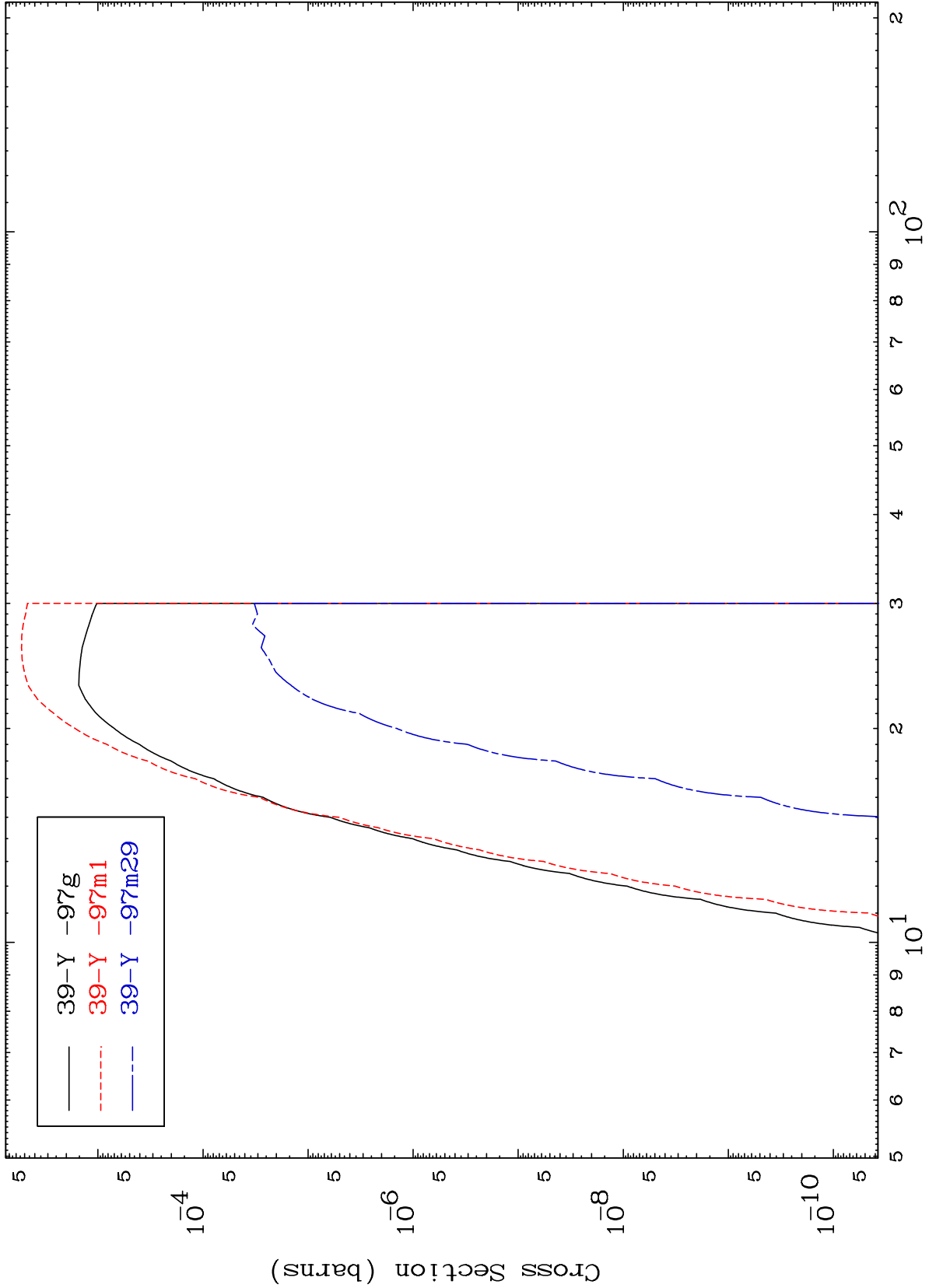
41-Nb-101

MAT 4149

41-Nb-101

(n,n') α

Radionuclide Production Cross Section



142

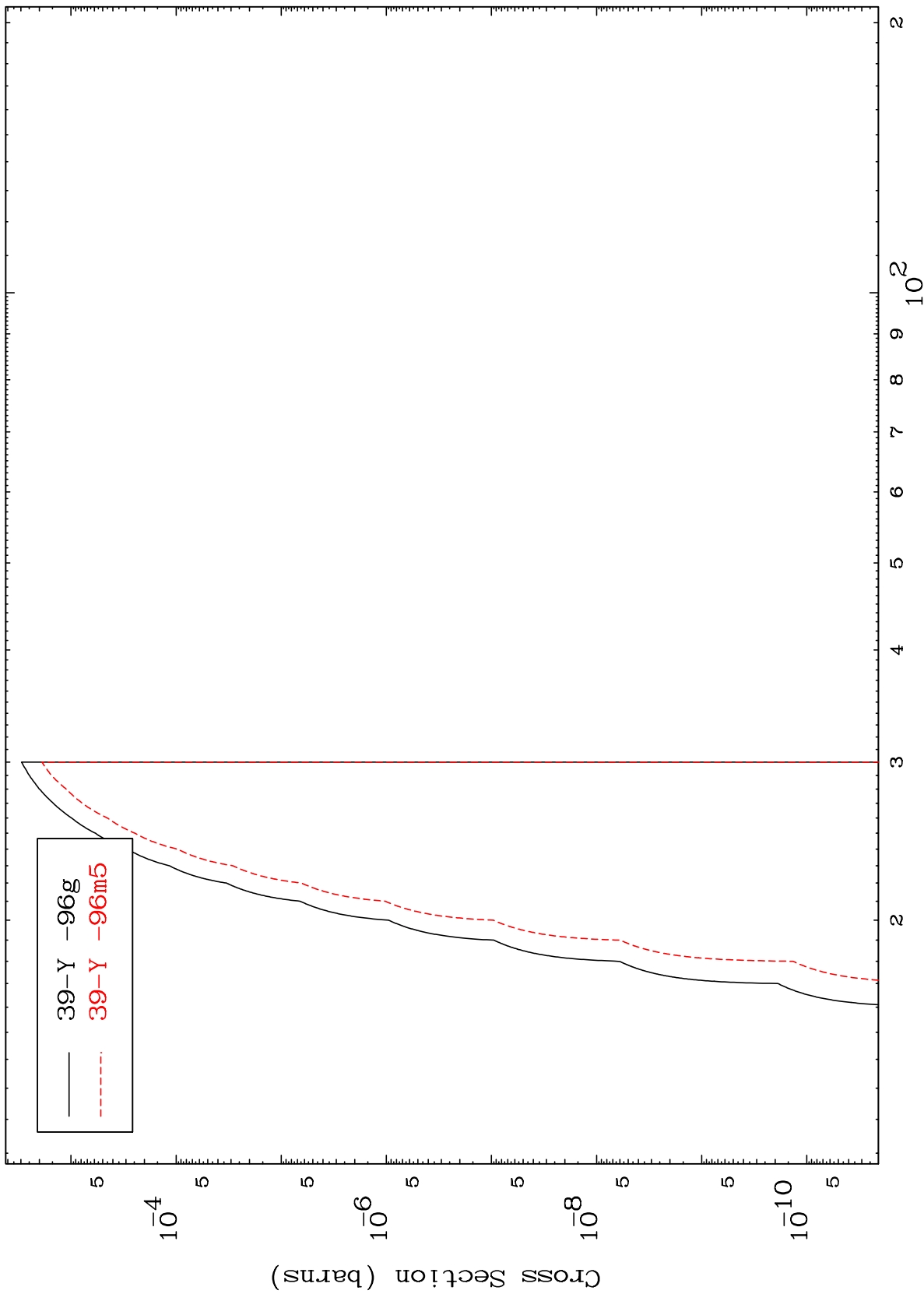
Incident Energy (MeV)

41-Nb-101

MAT 4149

41-Nb-101

(n,2n) α
Radionuclide Production Cross Section



— 39-Y -96g
- - - 39-Y -96m5

143

Incident Energy (MeV)

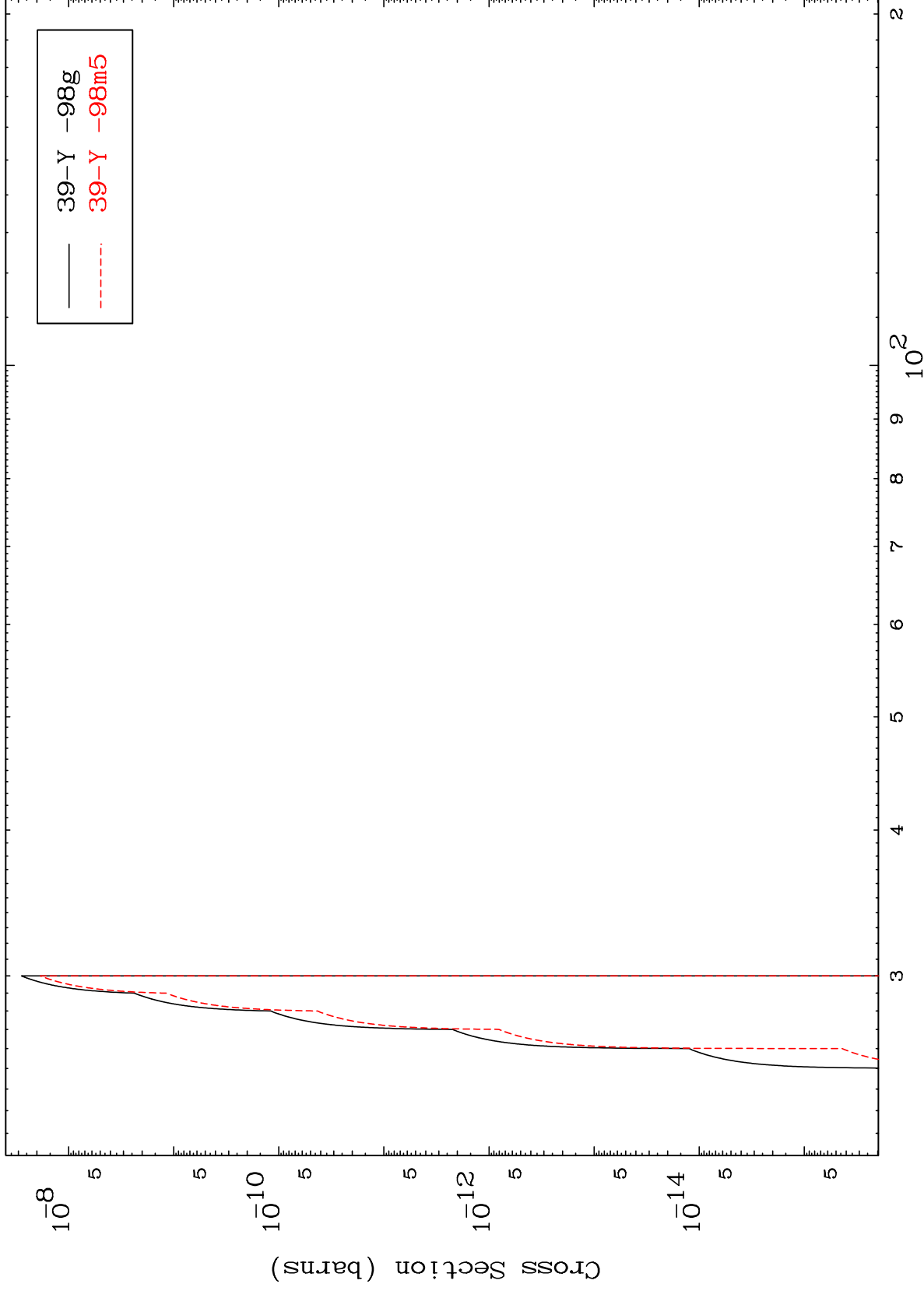
41-Nb-101

MAT 4149

(n,n') He-3

41-Nb-101

Radionuclide Production Cross Section



144

Incident Energy (MeV)

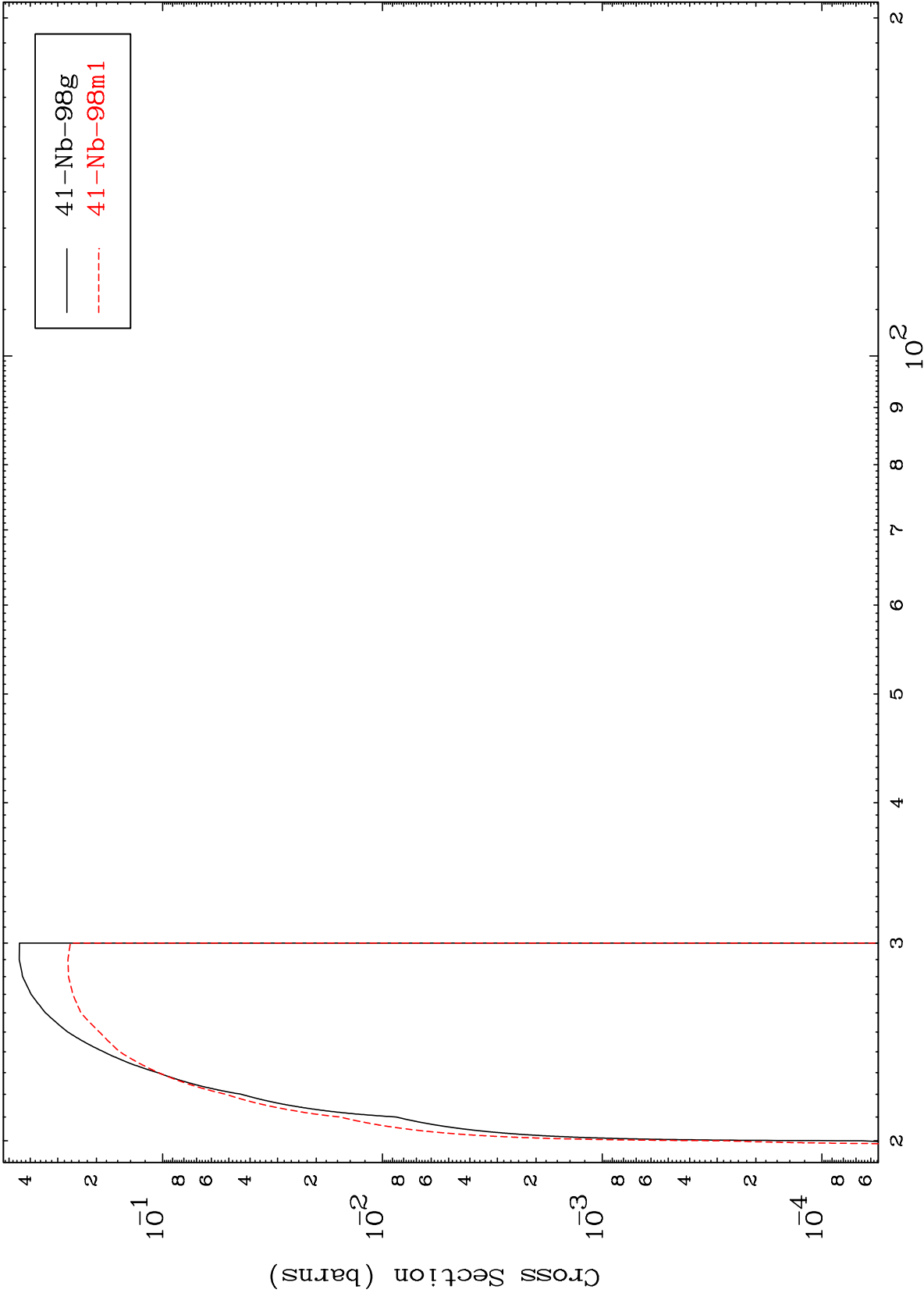
41-Nb-101

MAT 4149

(n,4n)

41-Nb-101

Radionuclide Production Cross Section

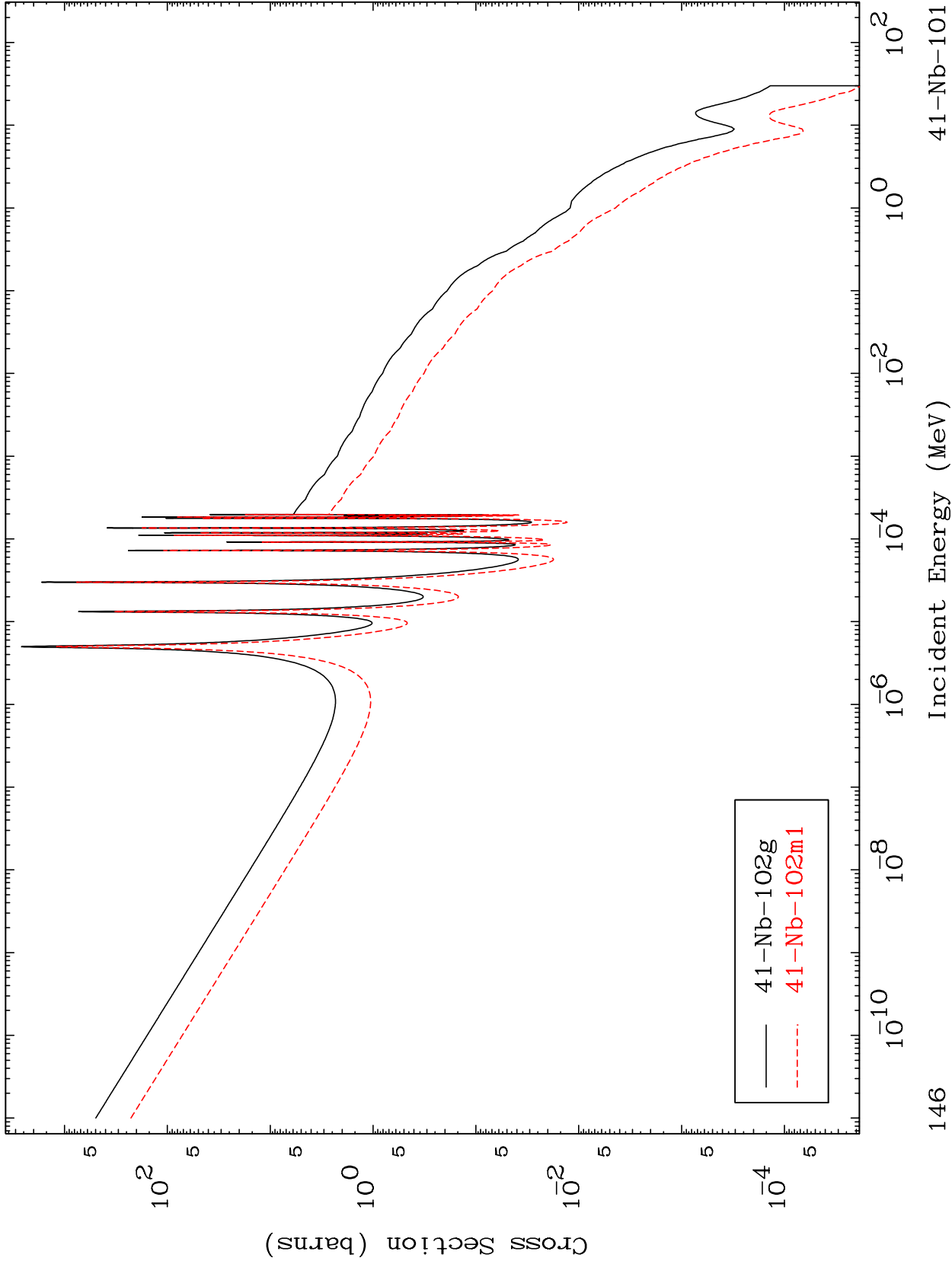


145

Incident Energy (MeV)

41-Nb-101

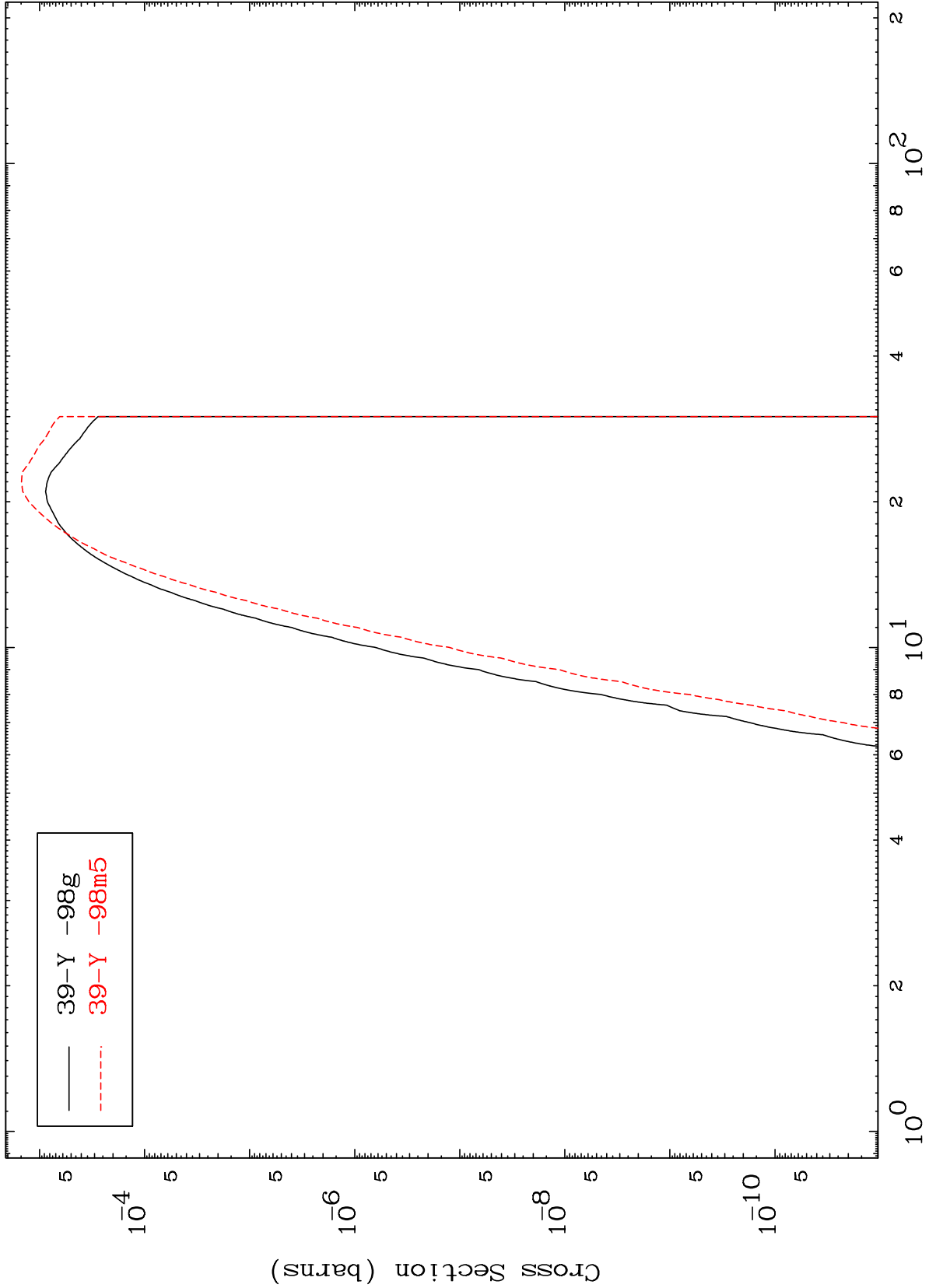
(n, γ)
Radionuclide Production Cross Section



MAT 4149

41-Nb-101

(n, α)
Radionuclide Production Cross Section



— 39-Y -98g
- - - 39-Y -98m5

41-Nb-101

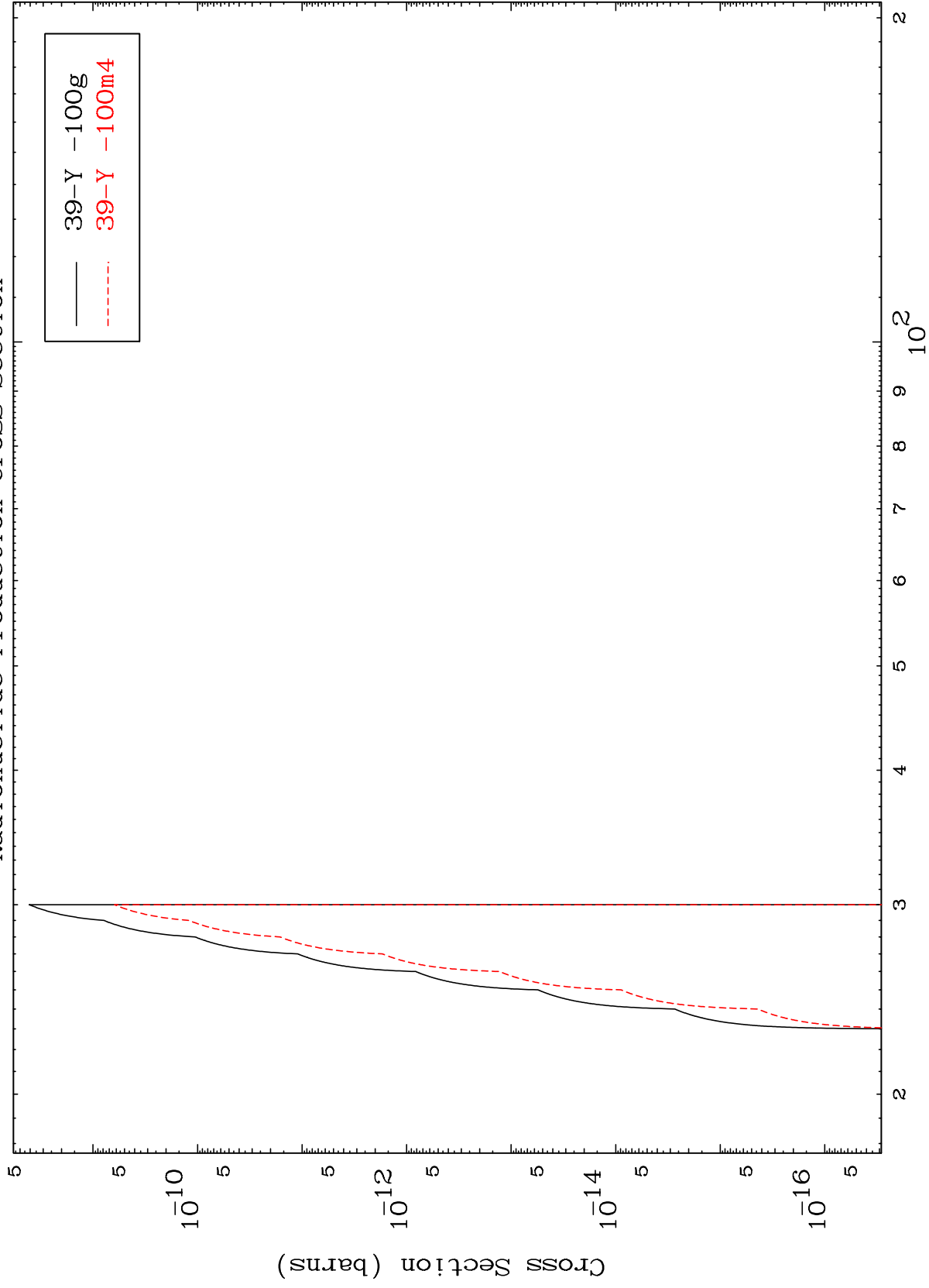
Incident Energy (MeV)

147

MAT 4149

41-Nb-101

(n,2p)
Radionuclide Production Cross Section



148

41-Nb-101

Incident Energy (MeV)