

Program EVALPLOT
(Version 2015-2)

by

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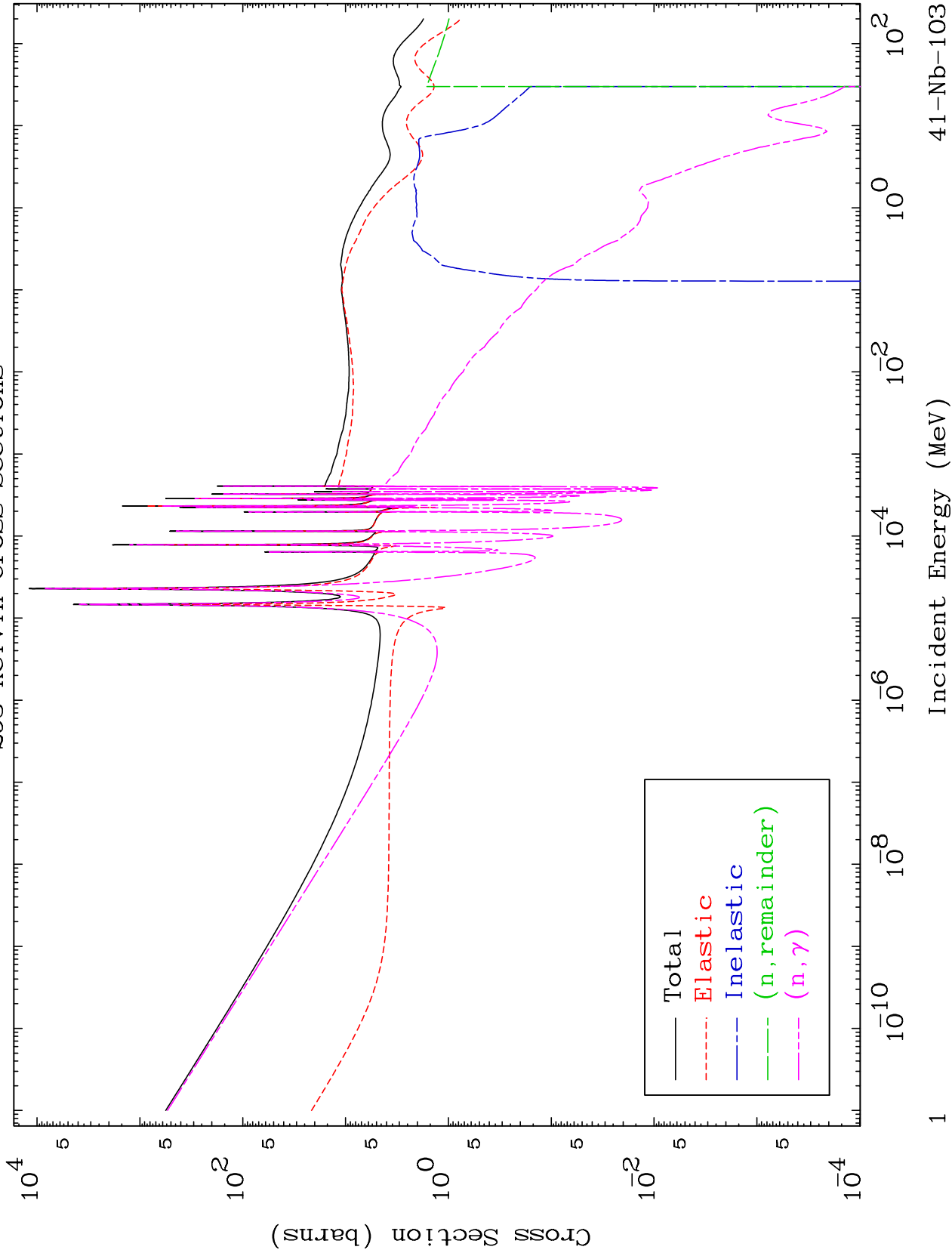
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

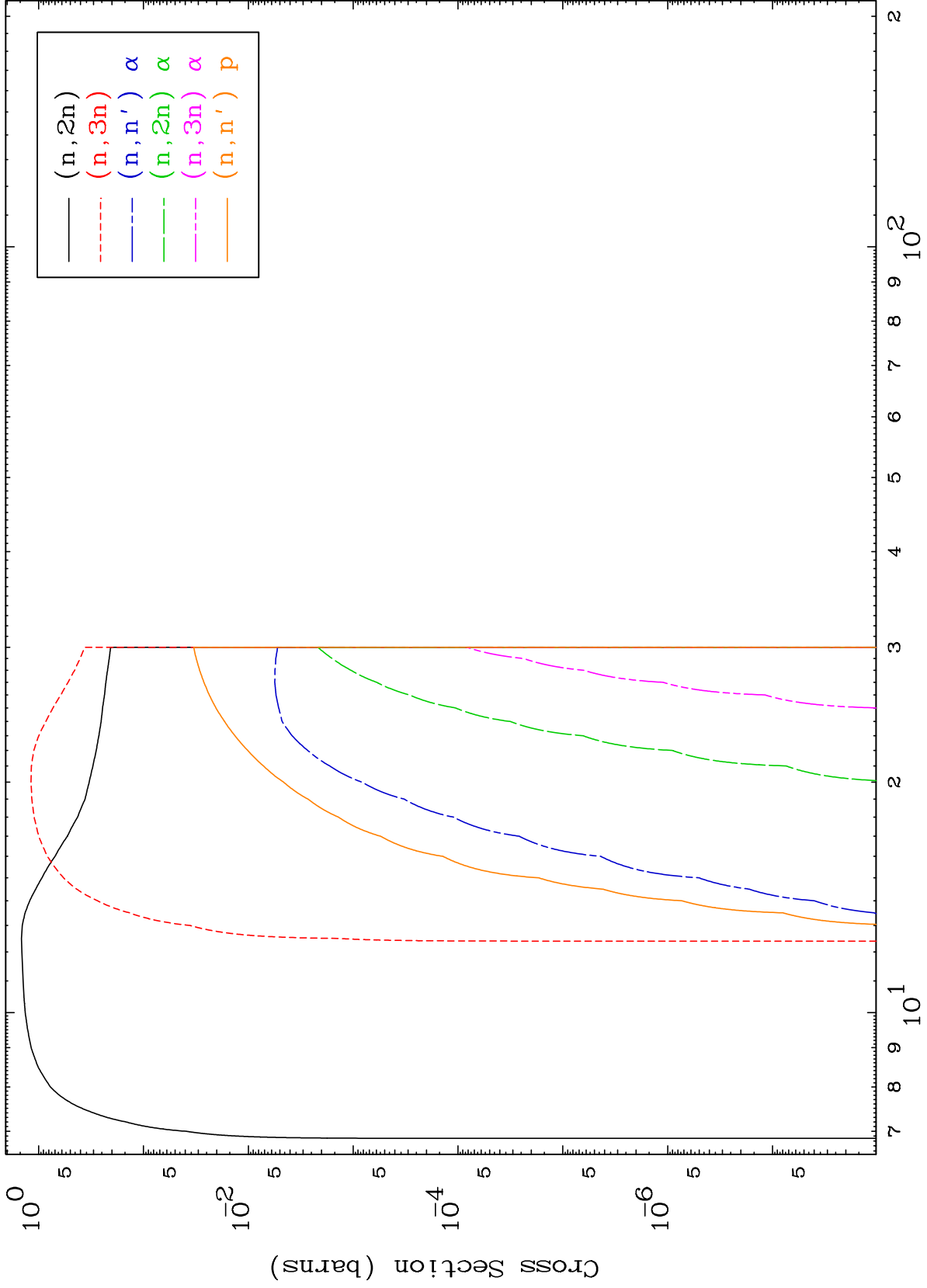
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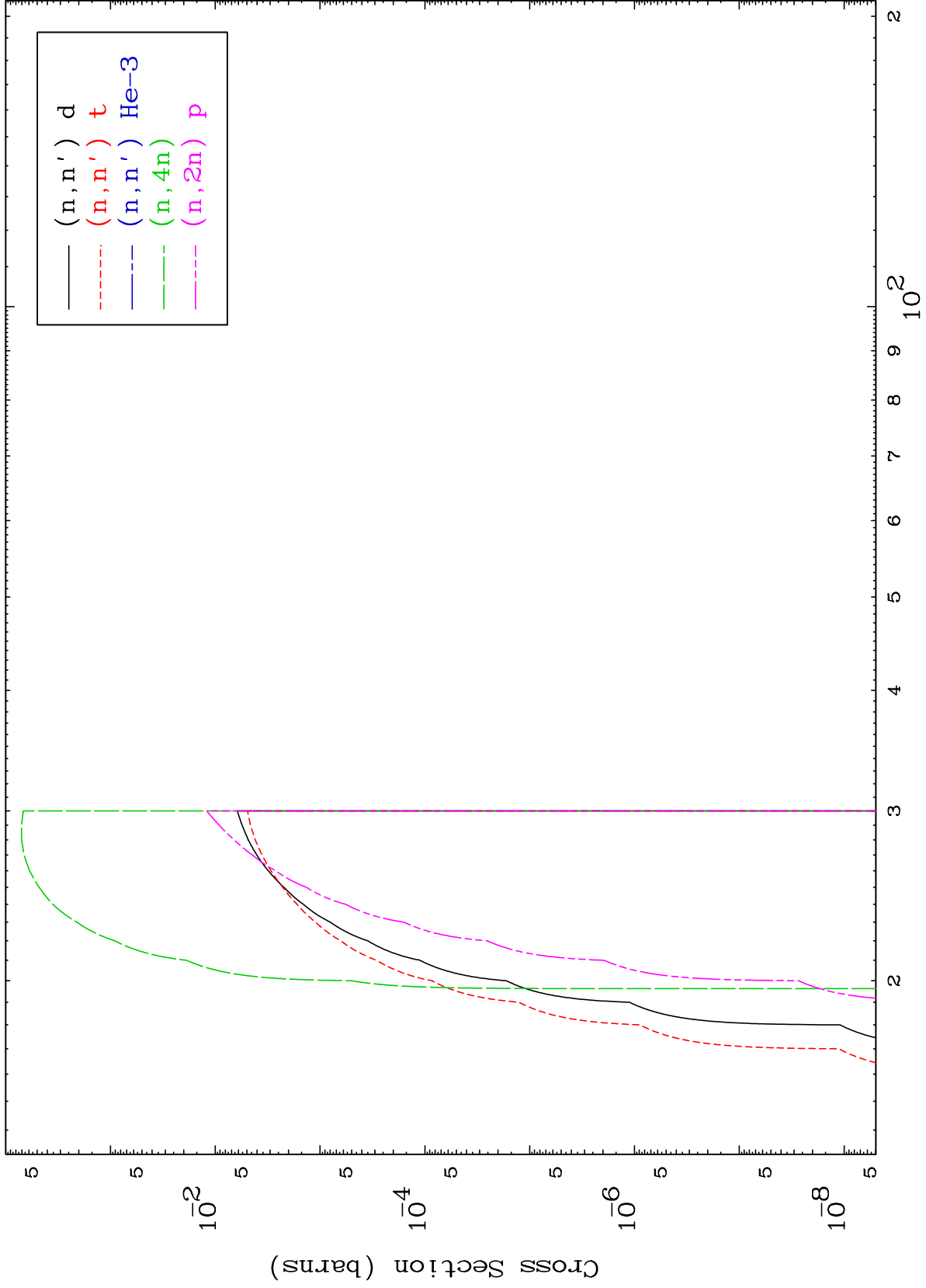
MAT 4155

Major
293 Kelvin Cross Sections

41-Nb-103



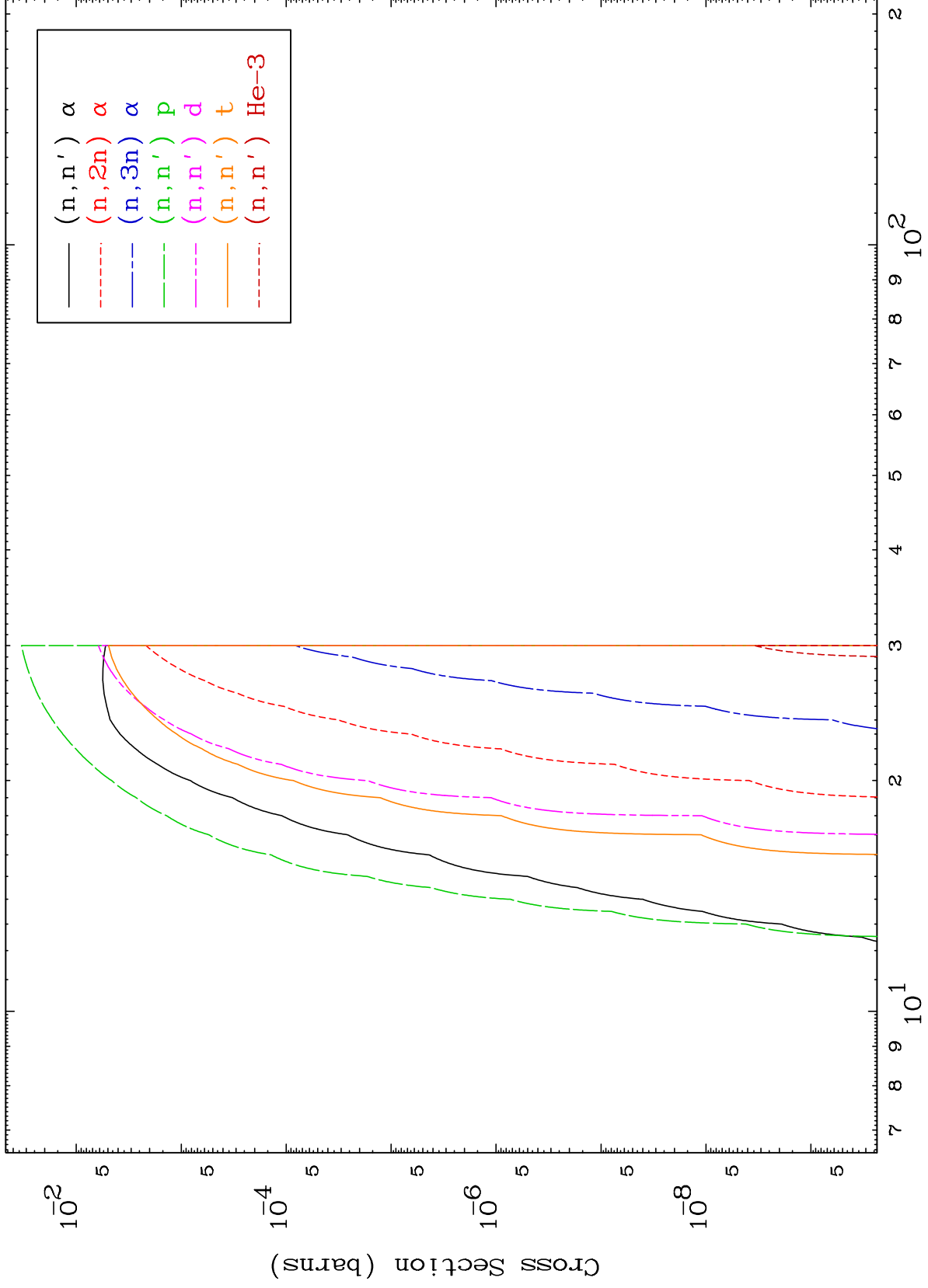




MAT 4155

Charged Particle
293 Kelvin Cross Sections

41-Nb-103



4

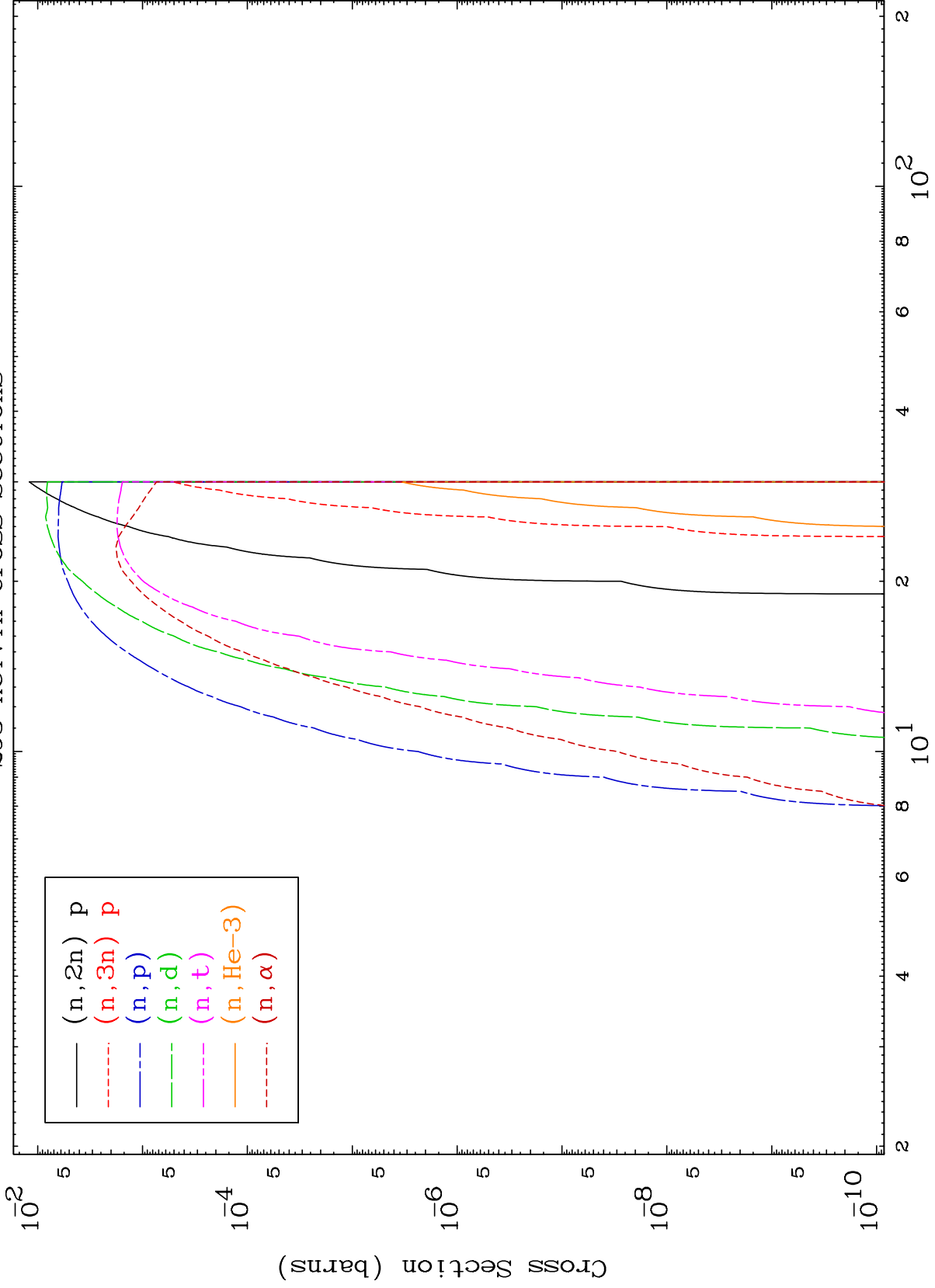
Incident Energy (MeV)

41-Nb-103

MAT 4155

Charged Particle
293 Kelvin Cross Sections

41-Nb-103



5

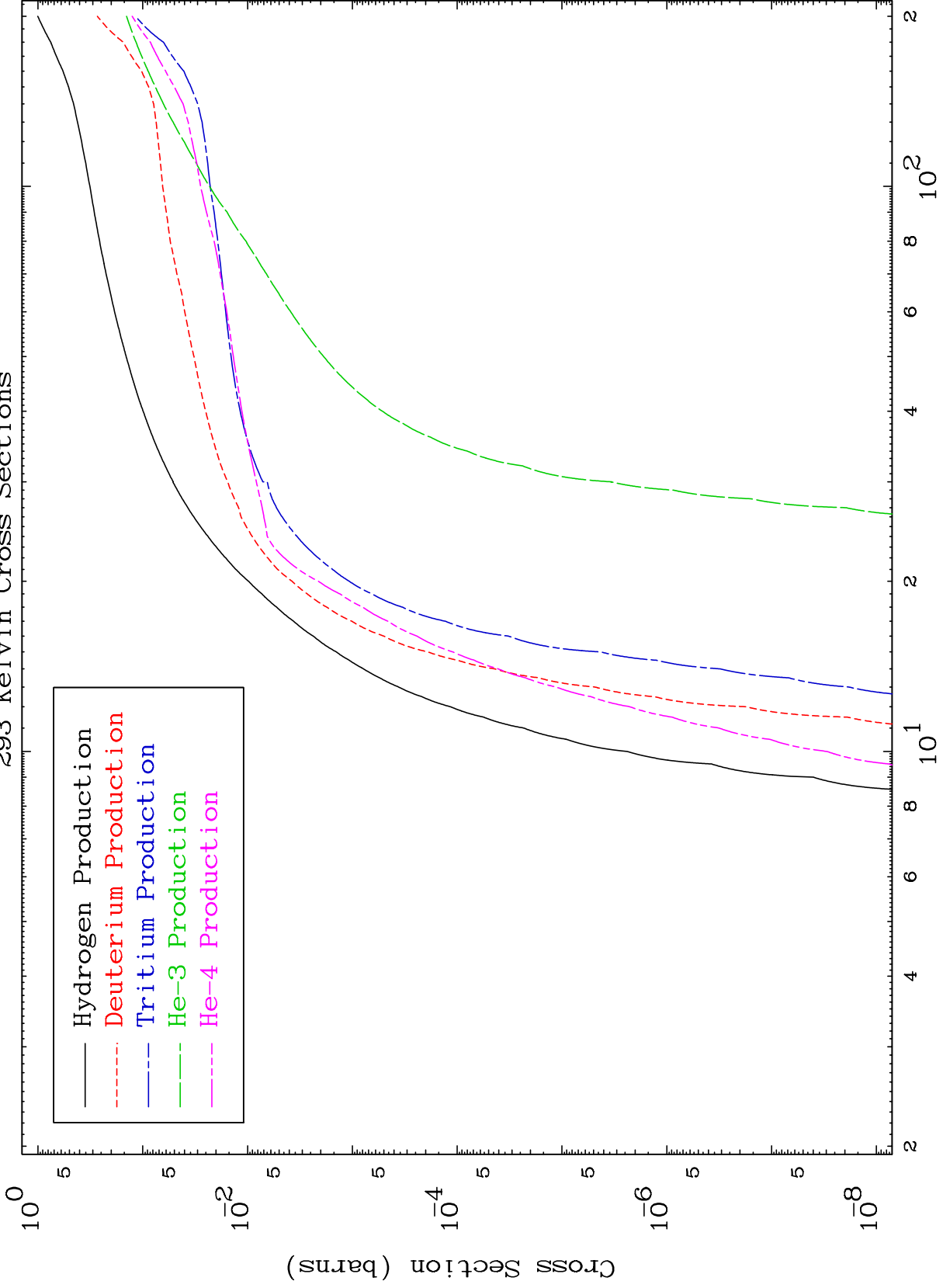
Incident Energy (MeV)

41-Nb-103

MAT 4155

Particle Production
293 Kelvin Cross Sections

41-Nb-103



6

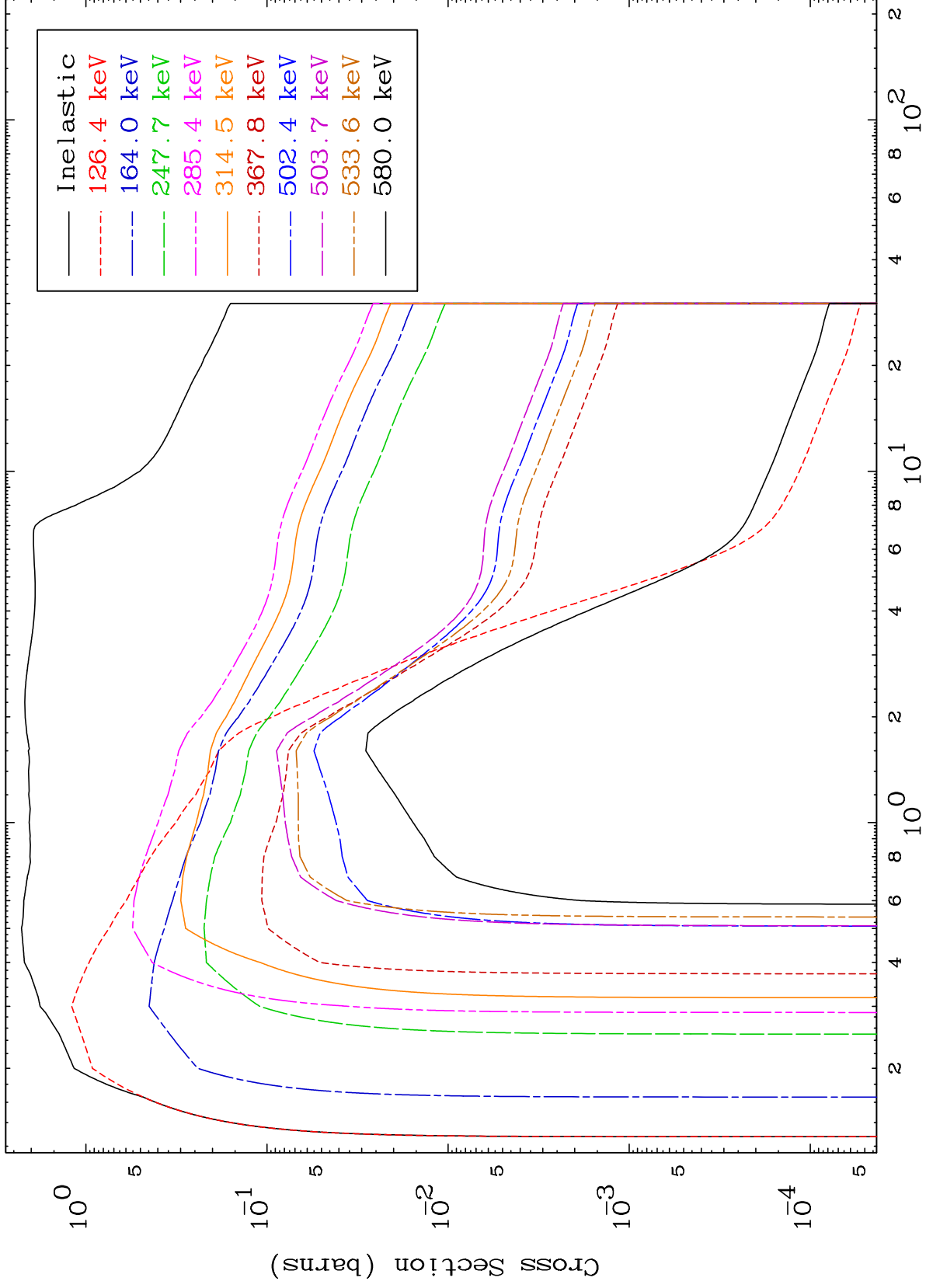
Incident Energy (MeV)

41-Nb-103

MAT 4155

(n,n') Level
293 Kelvin Cross Sections

41-Nb-103

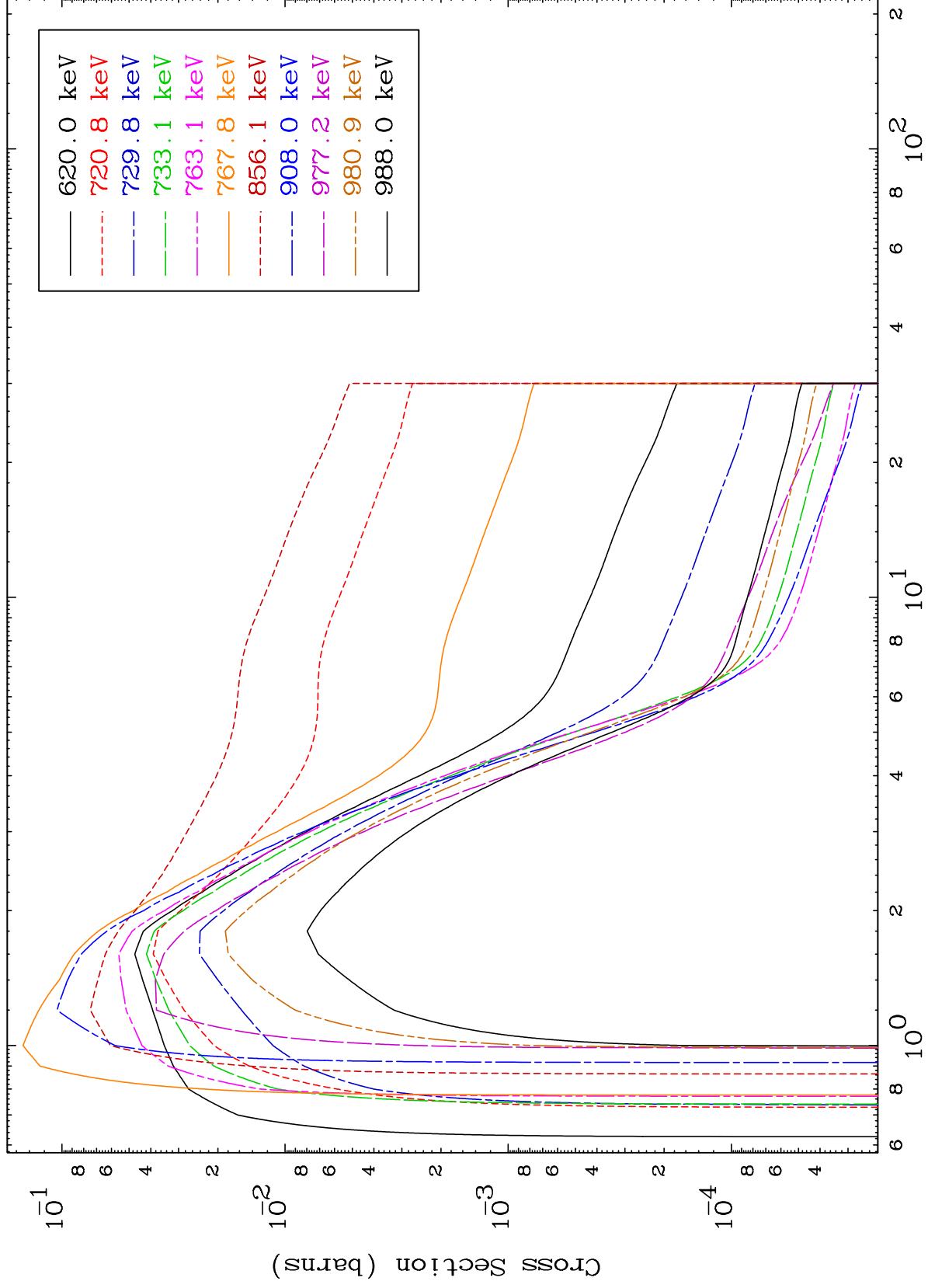


MAT 4155

(n,n') Level

41-Nb-103

293 Kelvin Cross Sections



Incident Energy (MeV)

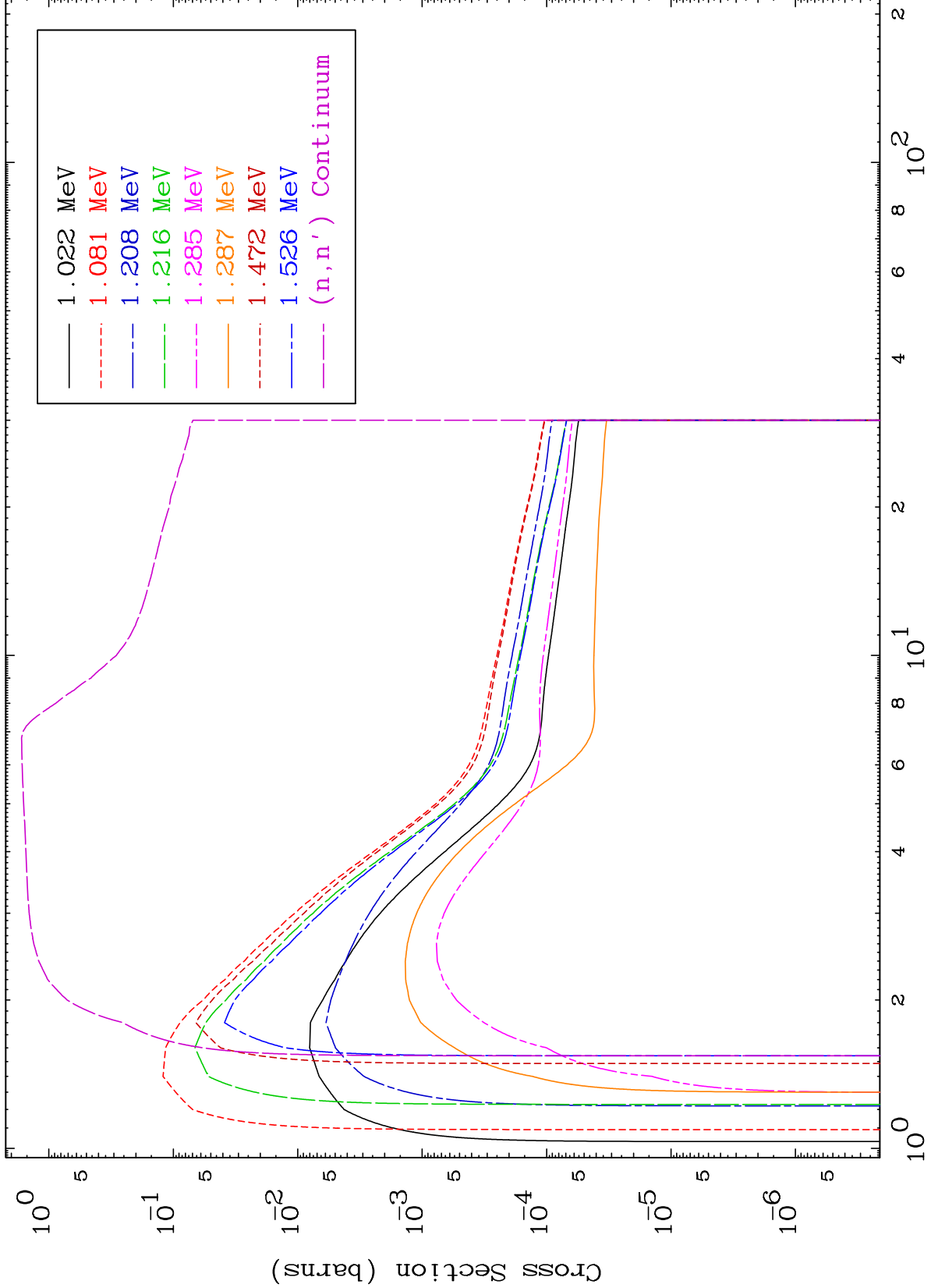
41-Nb-103

MAT 4155

(n,n') Level

41-Nb-103

293 Kelvin Cross Sections



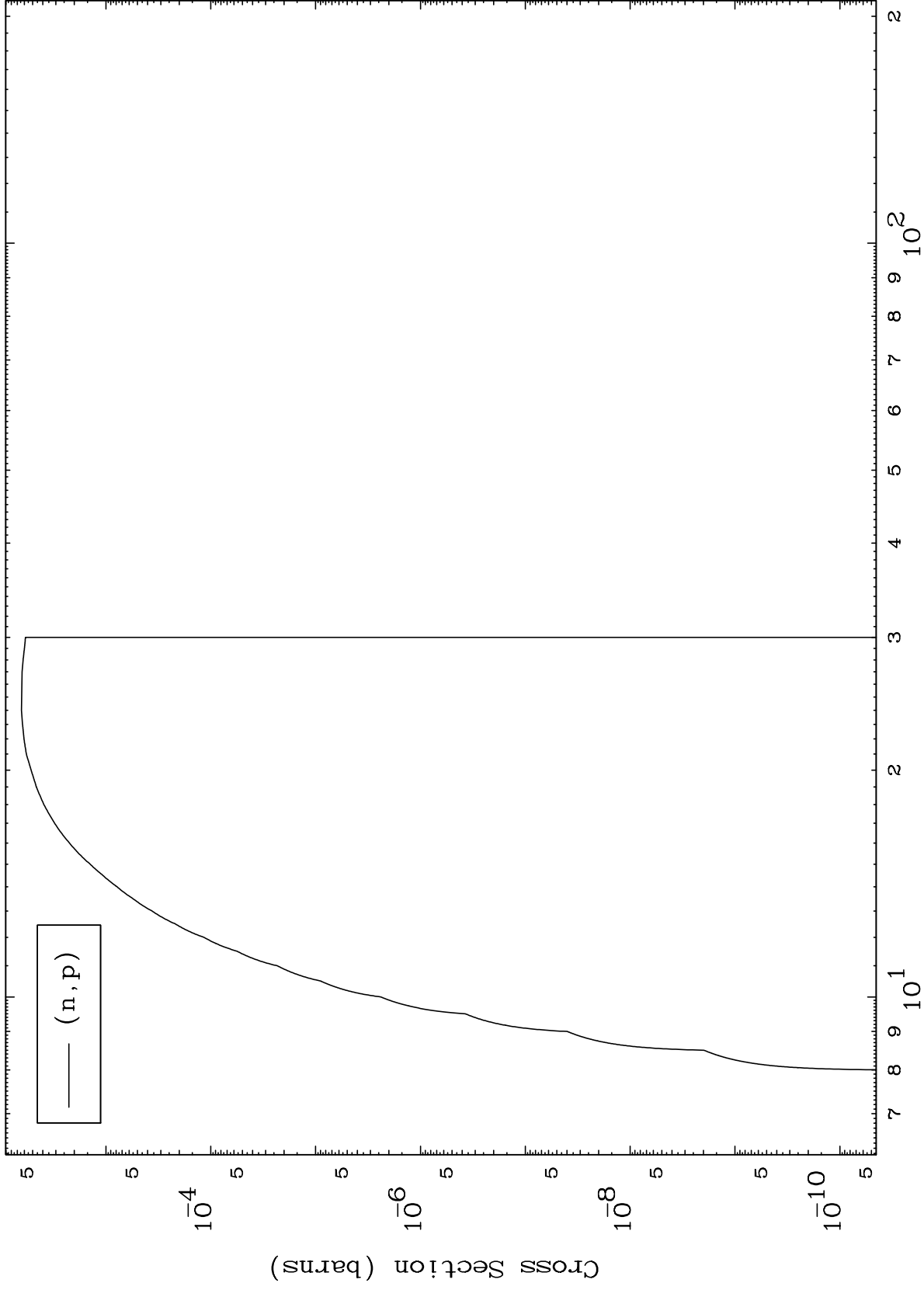
Incident Energy (MeV)

41-Nb-103

MAT 4155

(n,p) Levels
293 Kelvin Cross Sections

41-Nb-103



10

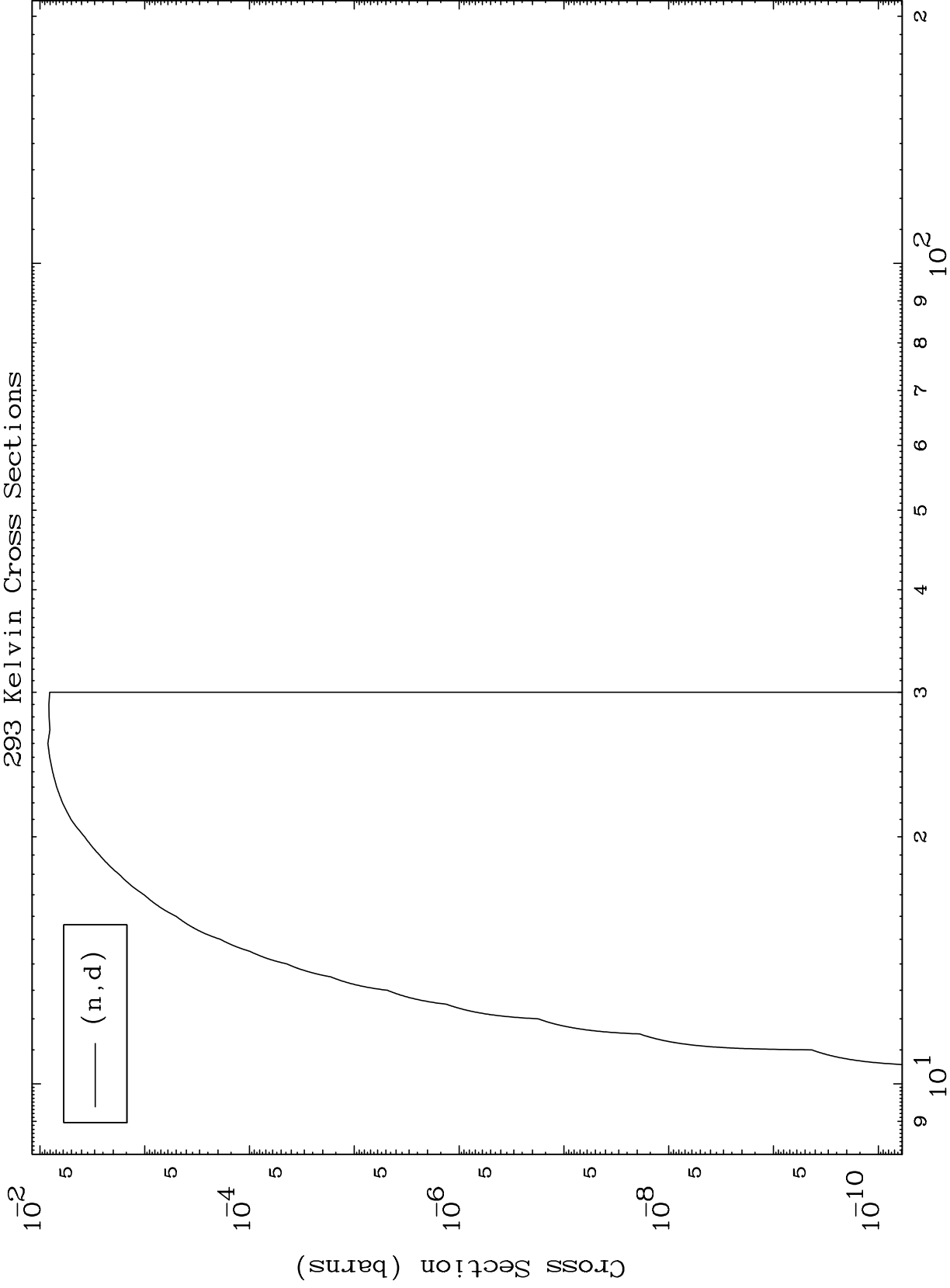
Incident Energy (MeV)

41-Nb-103

MAT 4155

(n,d) Levels
293 Kelvin Cross Sections

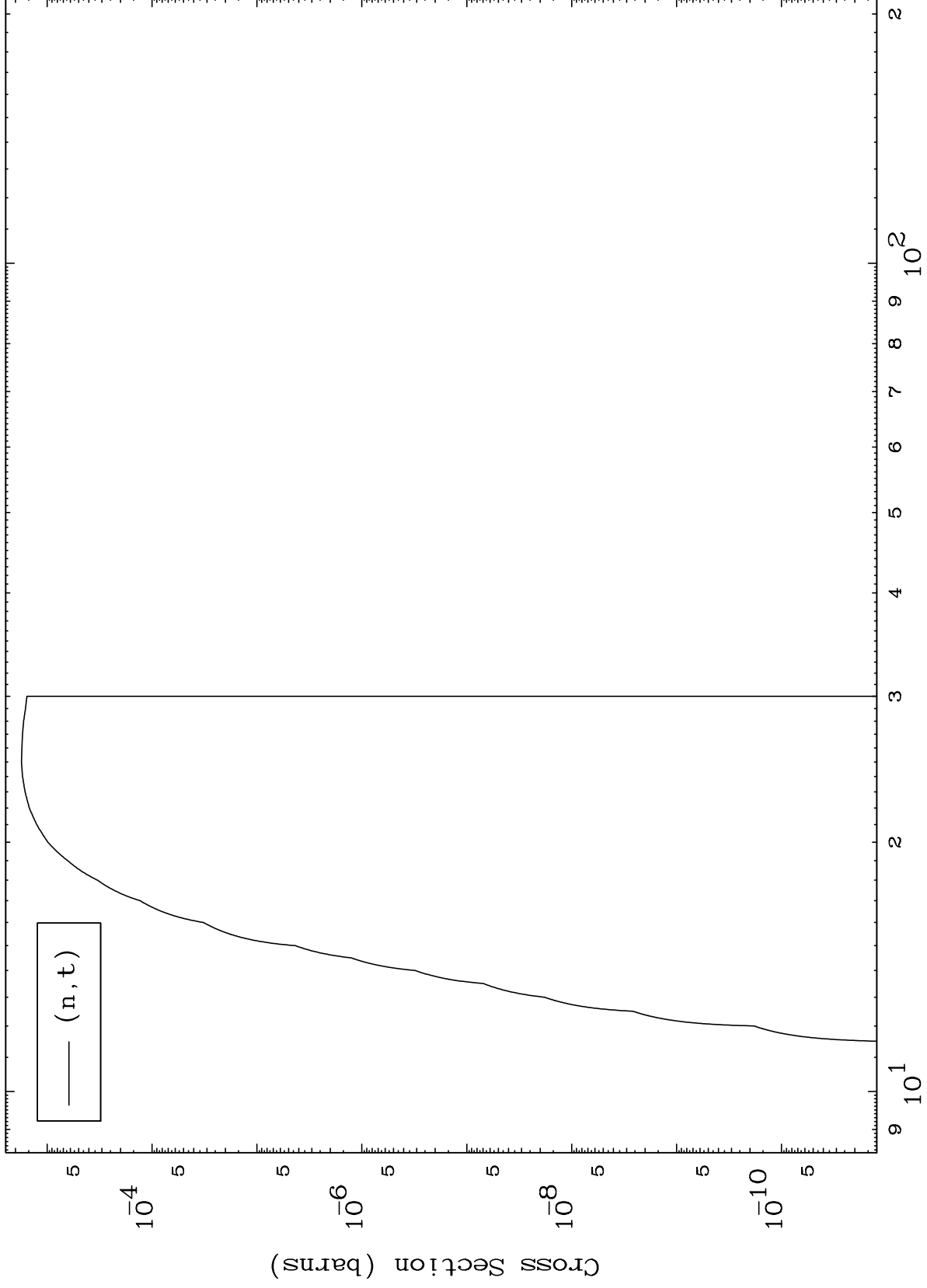
41-Nb-103



MAT 4155

(n,t) Levels
293 Kelvin Cross Sections

41-Nb-103



12

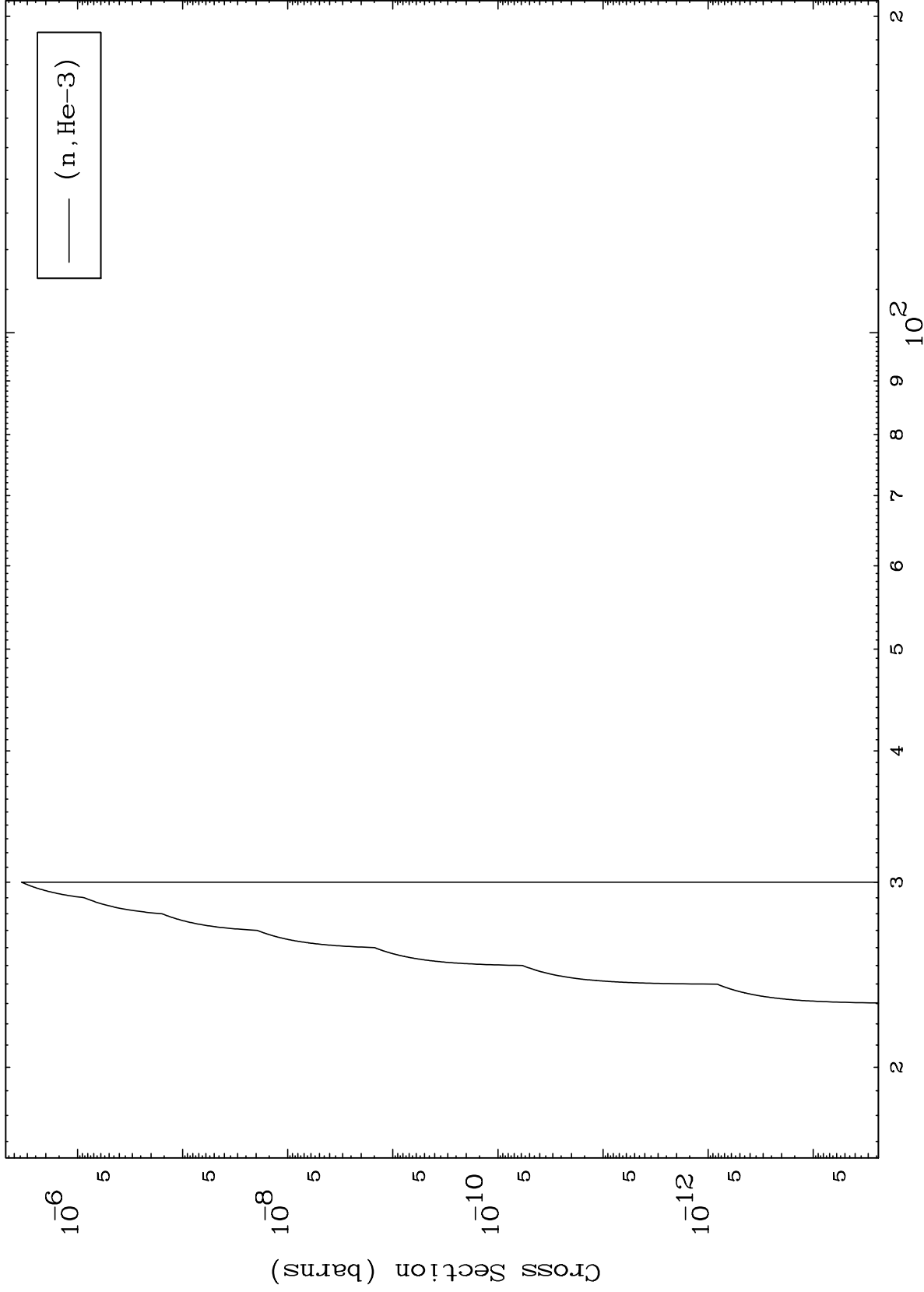
Incident Energy (MeV)

41-Nb-103

MAT 4155

(n,He3) Levels
293 Kelvin Cross Sections

41-Nb-103



13

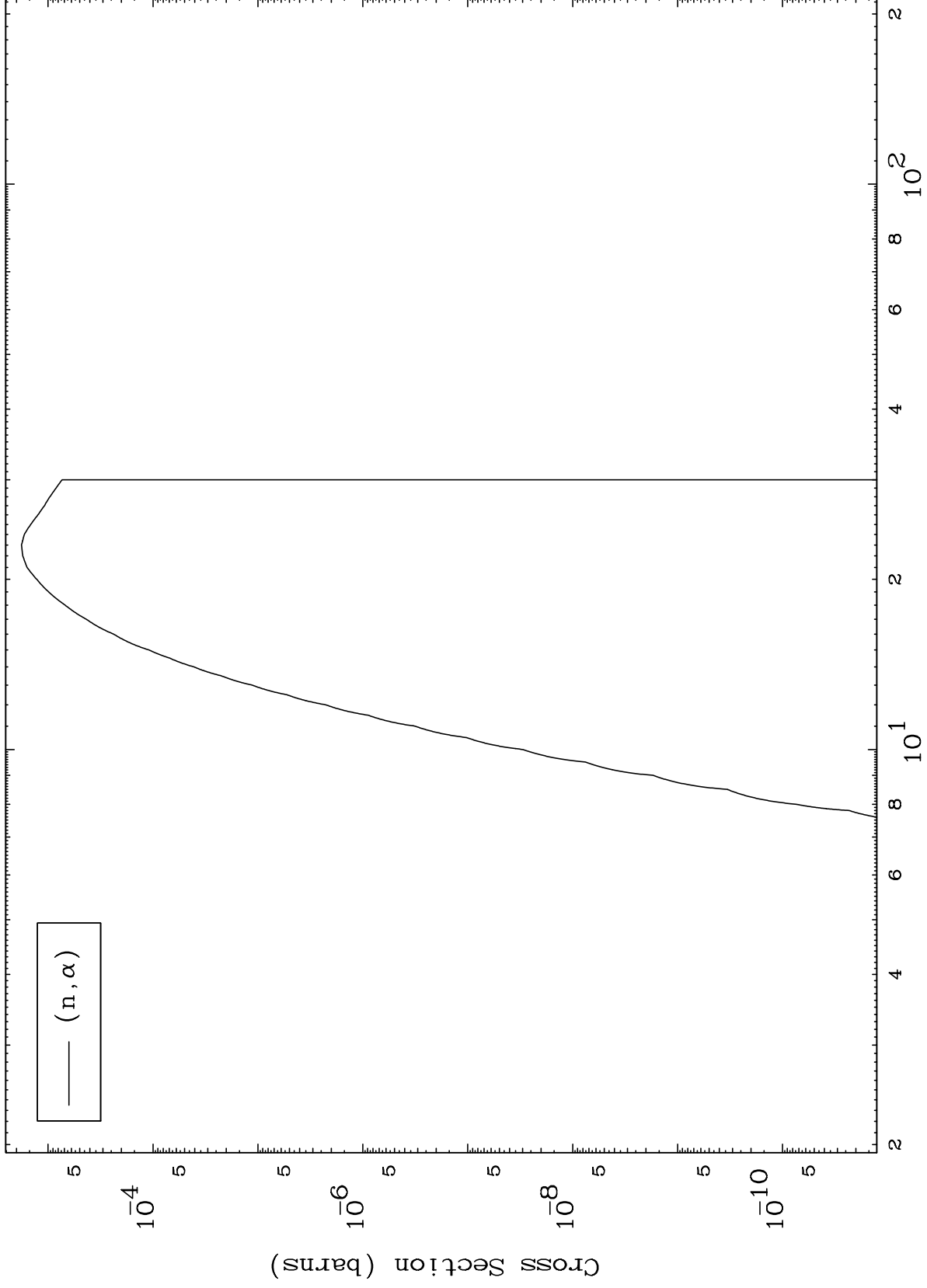
Incident Energy (MeV)

41-Nb-103

MAT 4155

(n, α) Levels
293 Kelvin Cross Sections

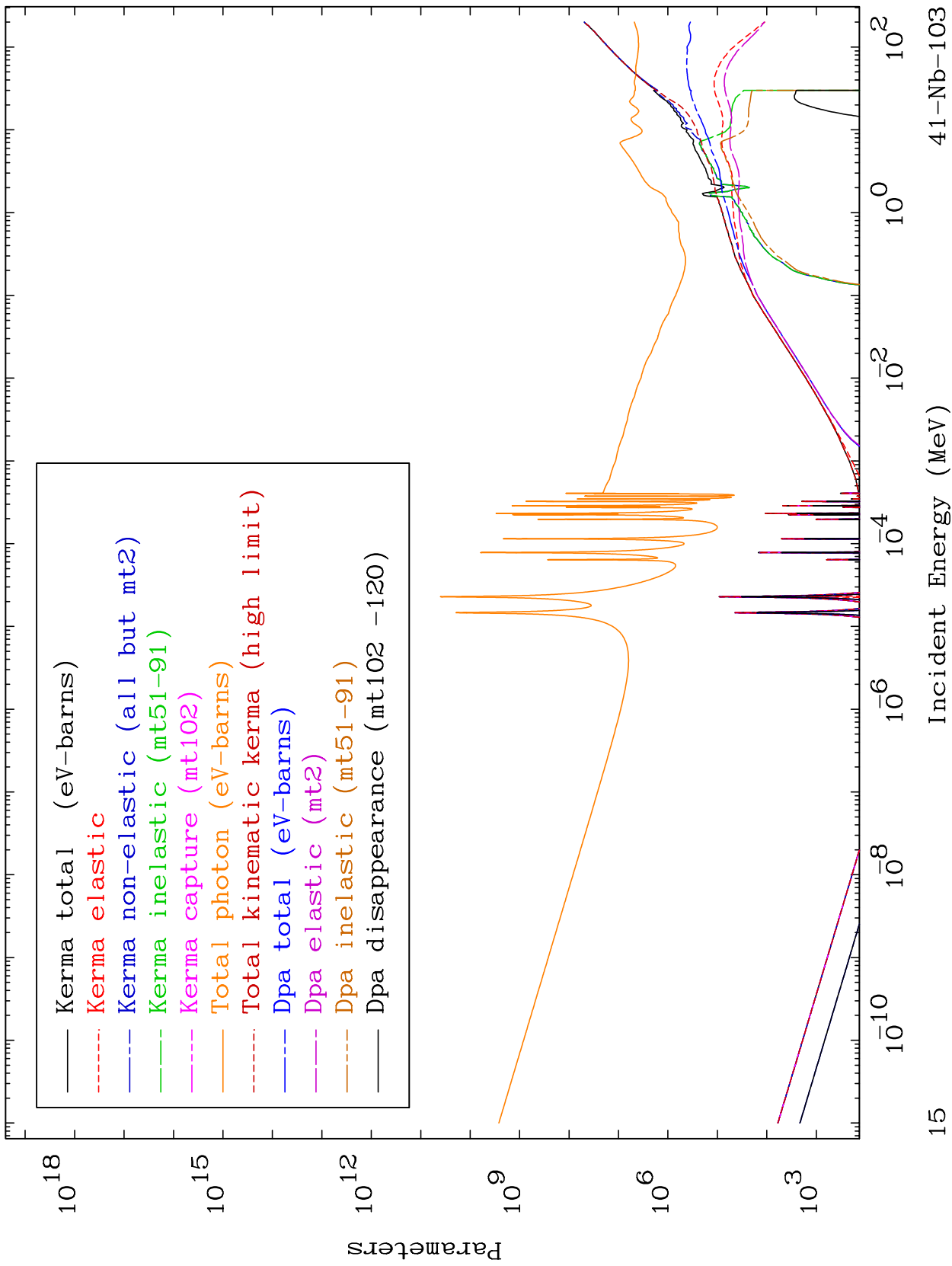
41-Nb-103



14

Incident Energy (MeV)

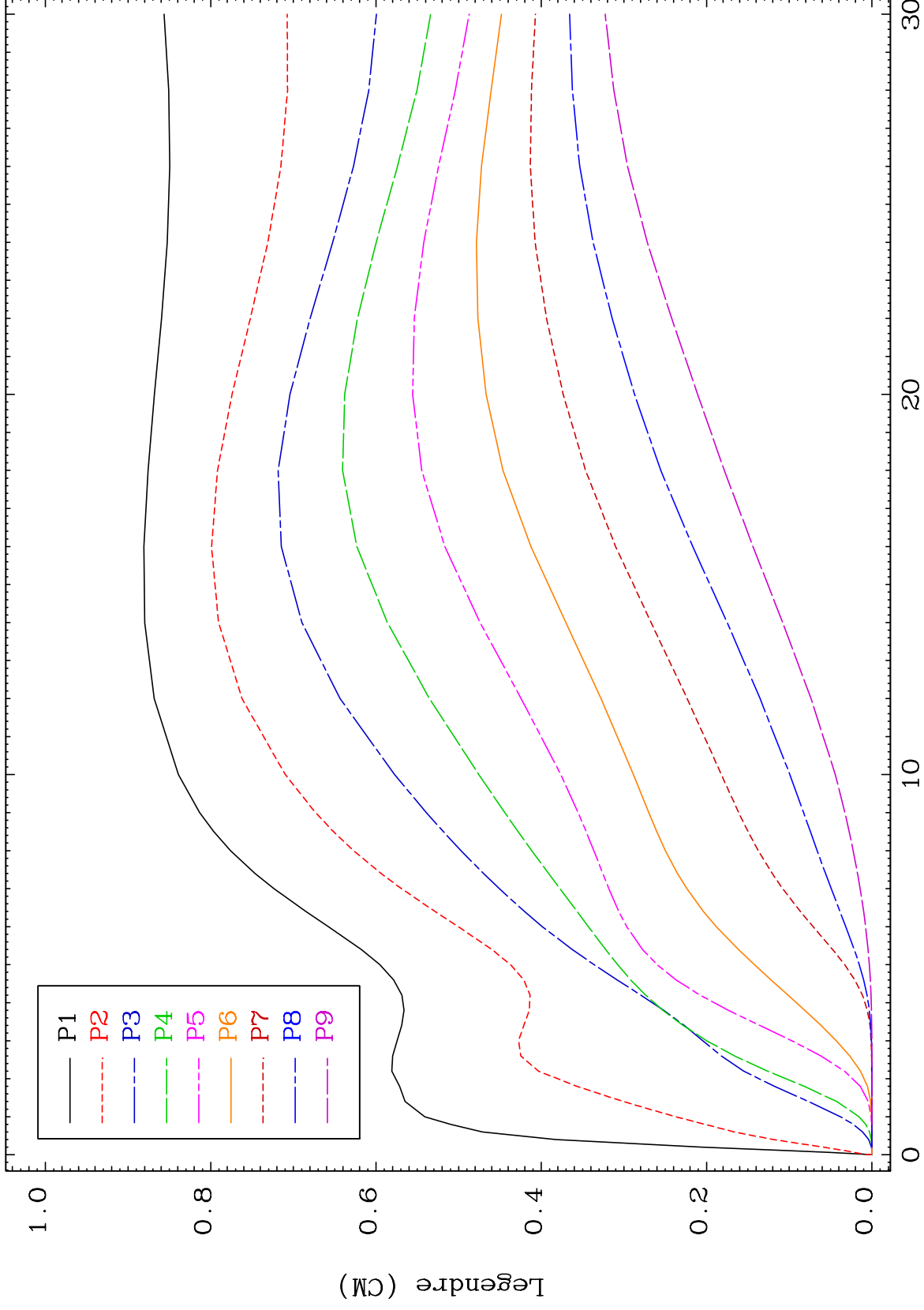
41-Nb-103



MAT 4155

Elastic Legendre Coefficients

41-Nb-103



16

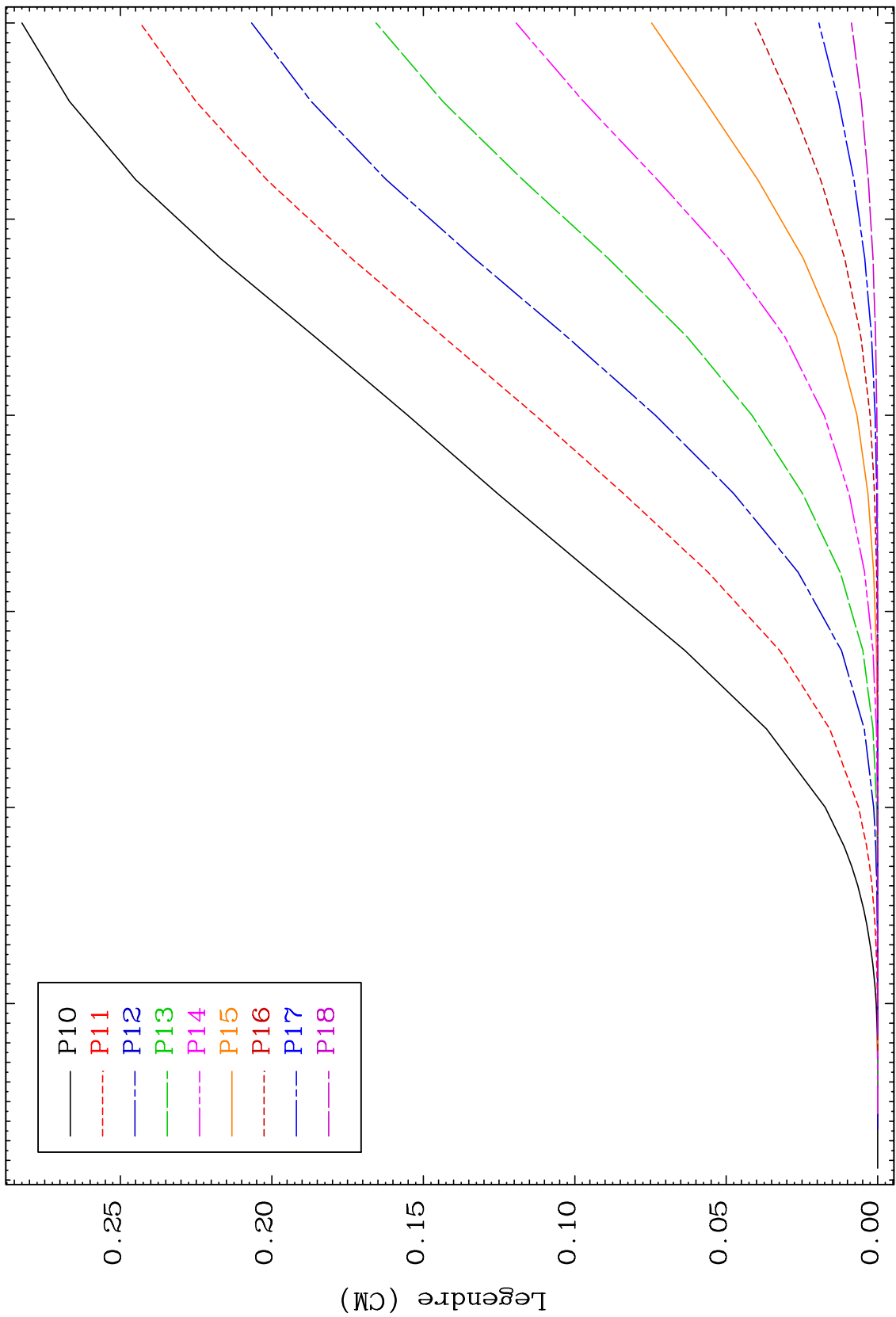
Incident Energy (MeV)

41-Nb-103

MAT 4155

Elastic Legendre Coefficients

41-Nb-103



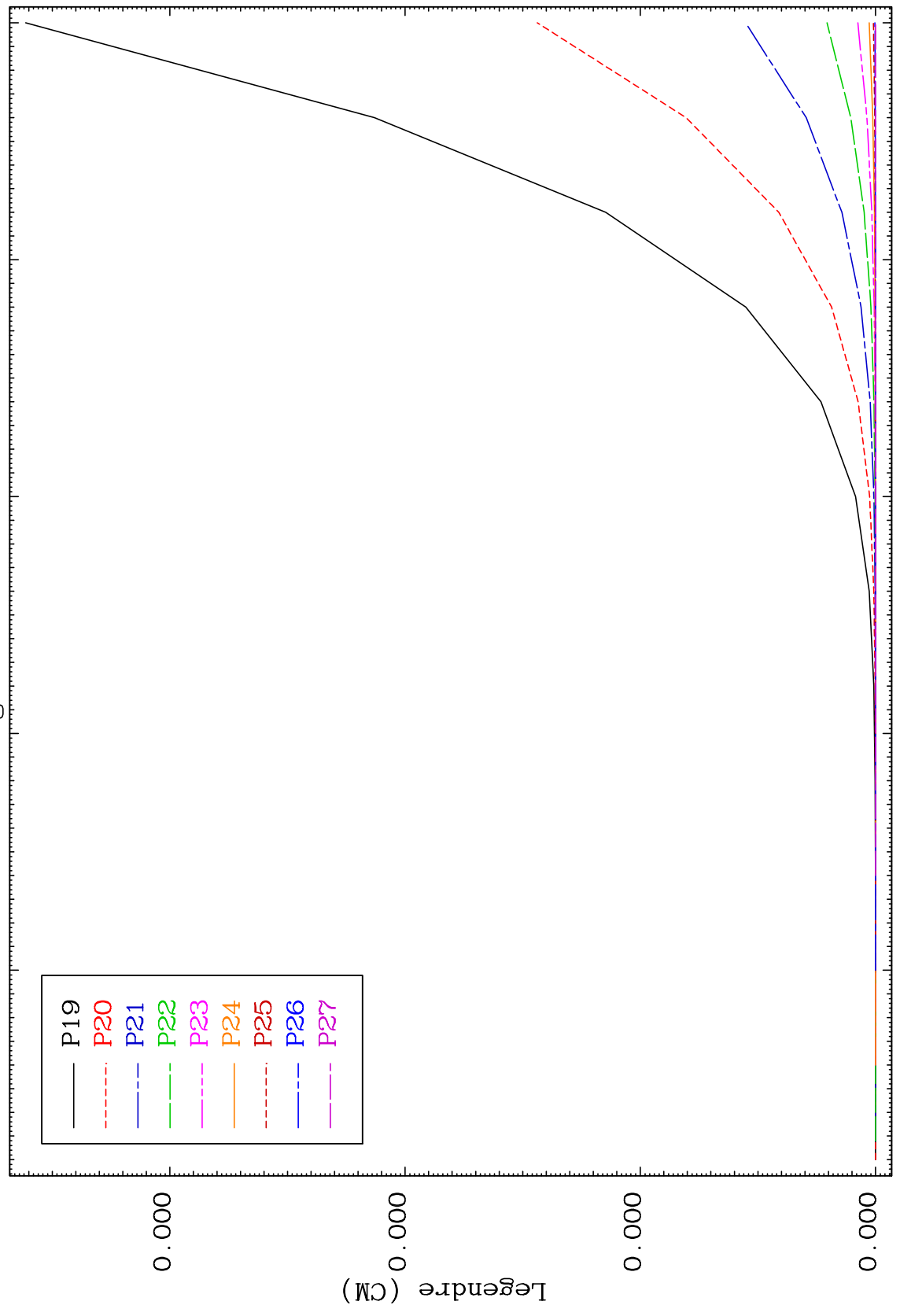
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41-Nb-103

MAT 4155

Elastic Legendre Coefficients

41-Nb-103



18

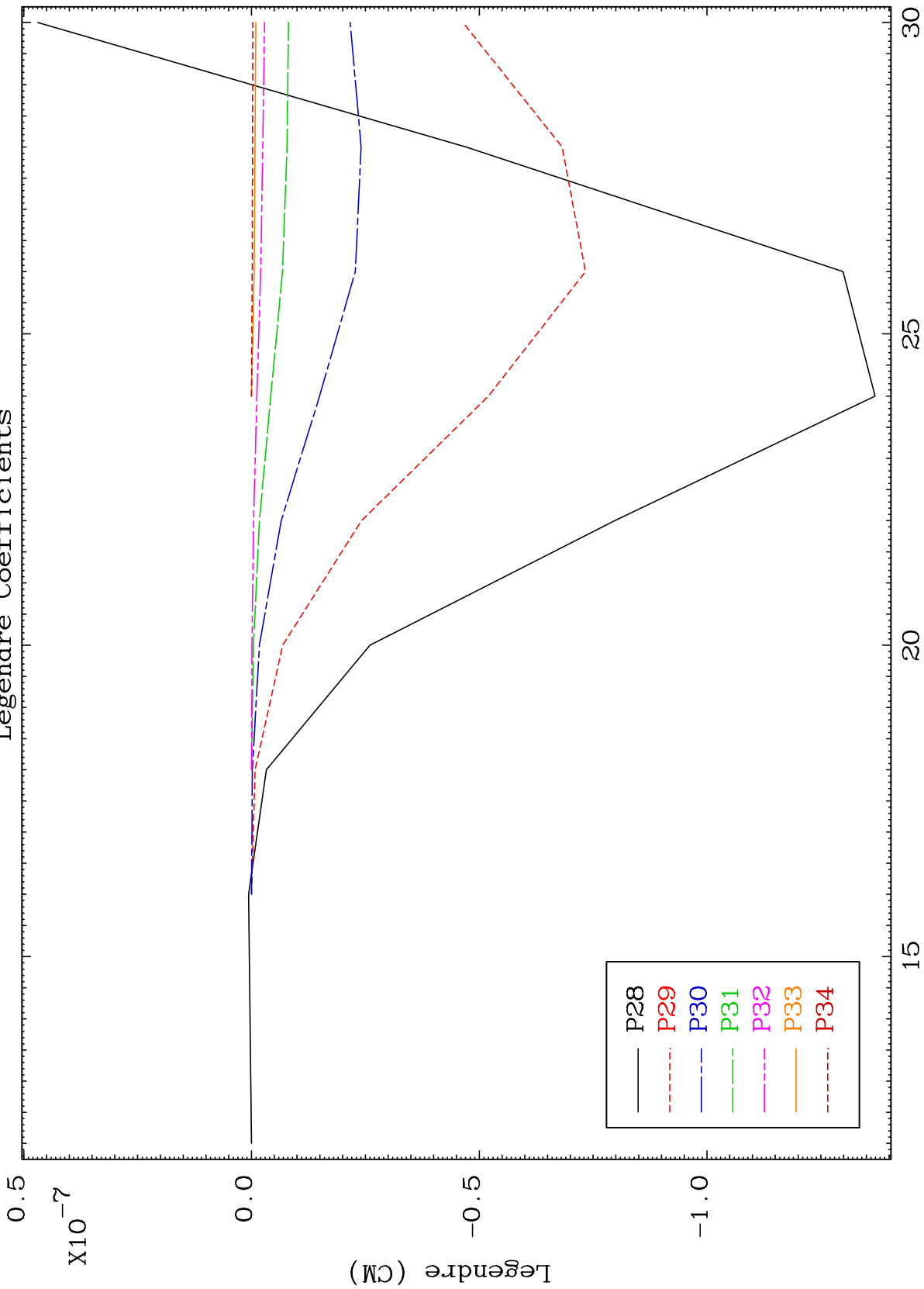
Incident Energy (MeV)

41-Nb-103

MAT 4155

41-Nb-103

Elastic Legendre Coefficients



19

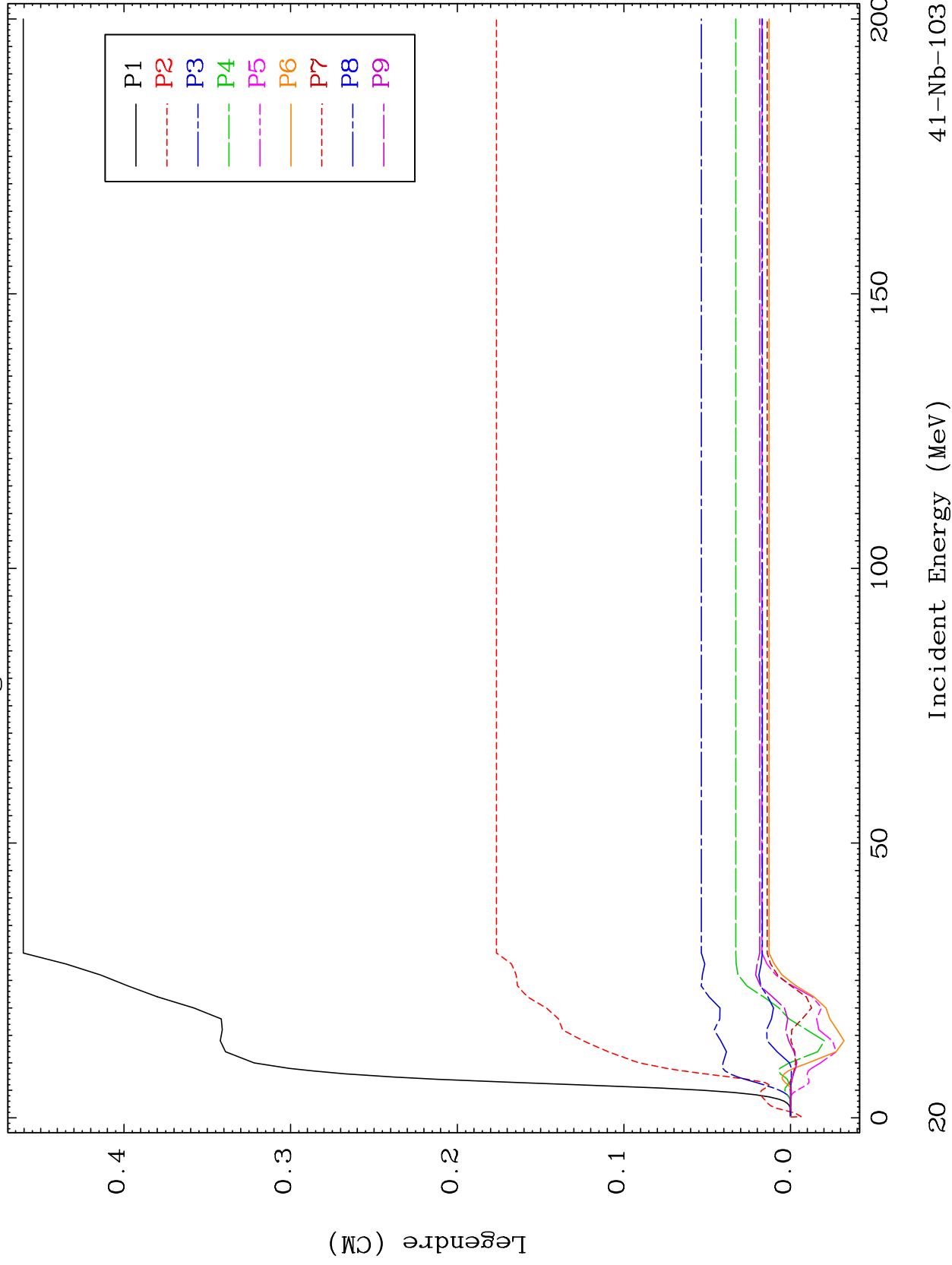
Incident Energy (MeV)

41-Nb-103

MAT 4155

126.4 keV (n,n') Level
Legendre Coefficients

41-Nb-103



41-Nb-103

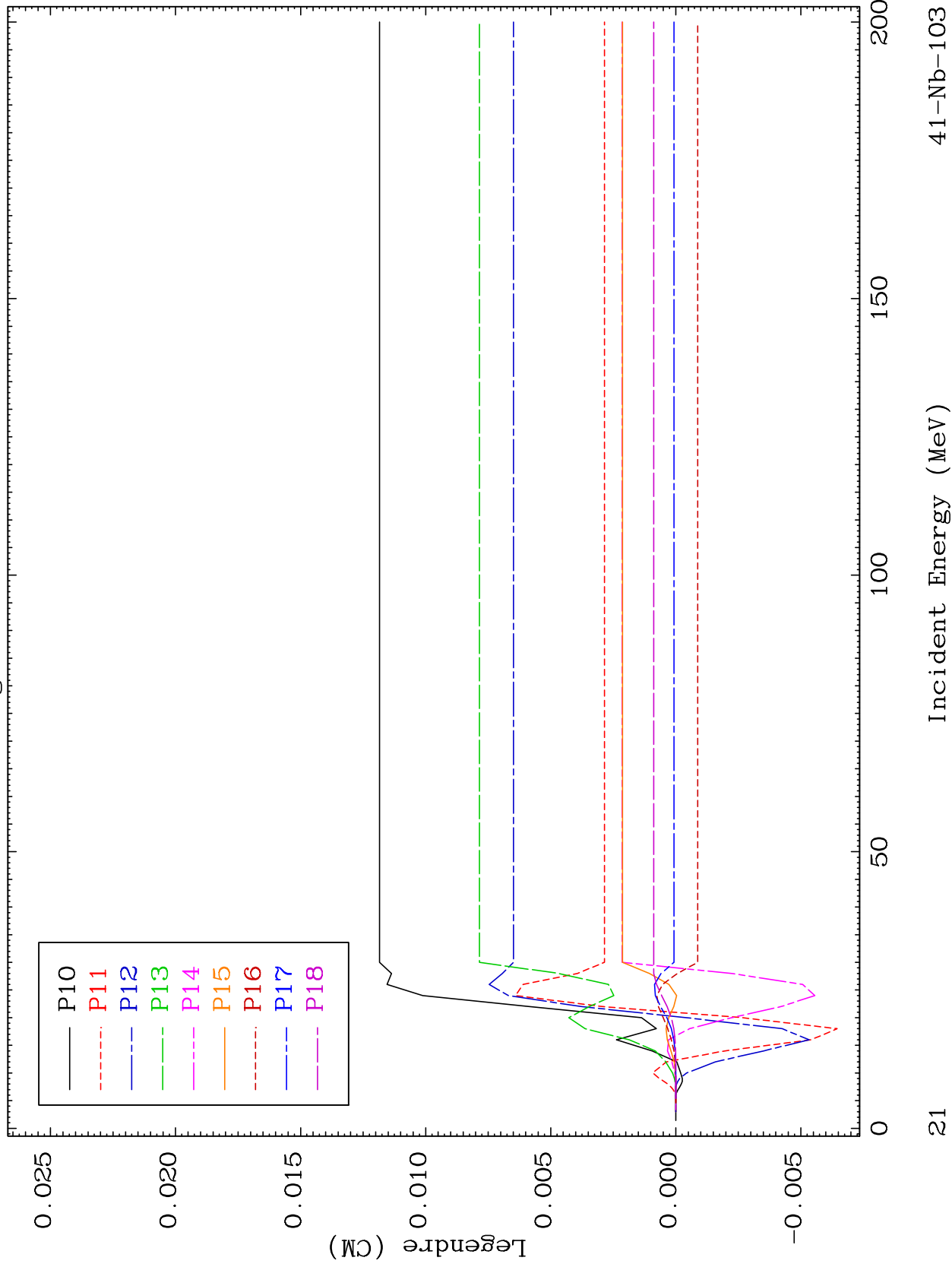
Incident Energy (MeV)

0

MAT 4155

126.4 keV (n,n') Level
Legendre Coefficients

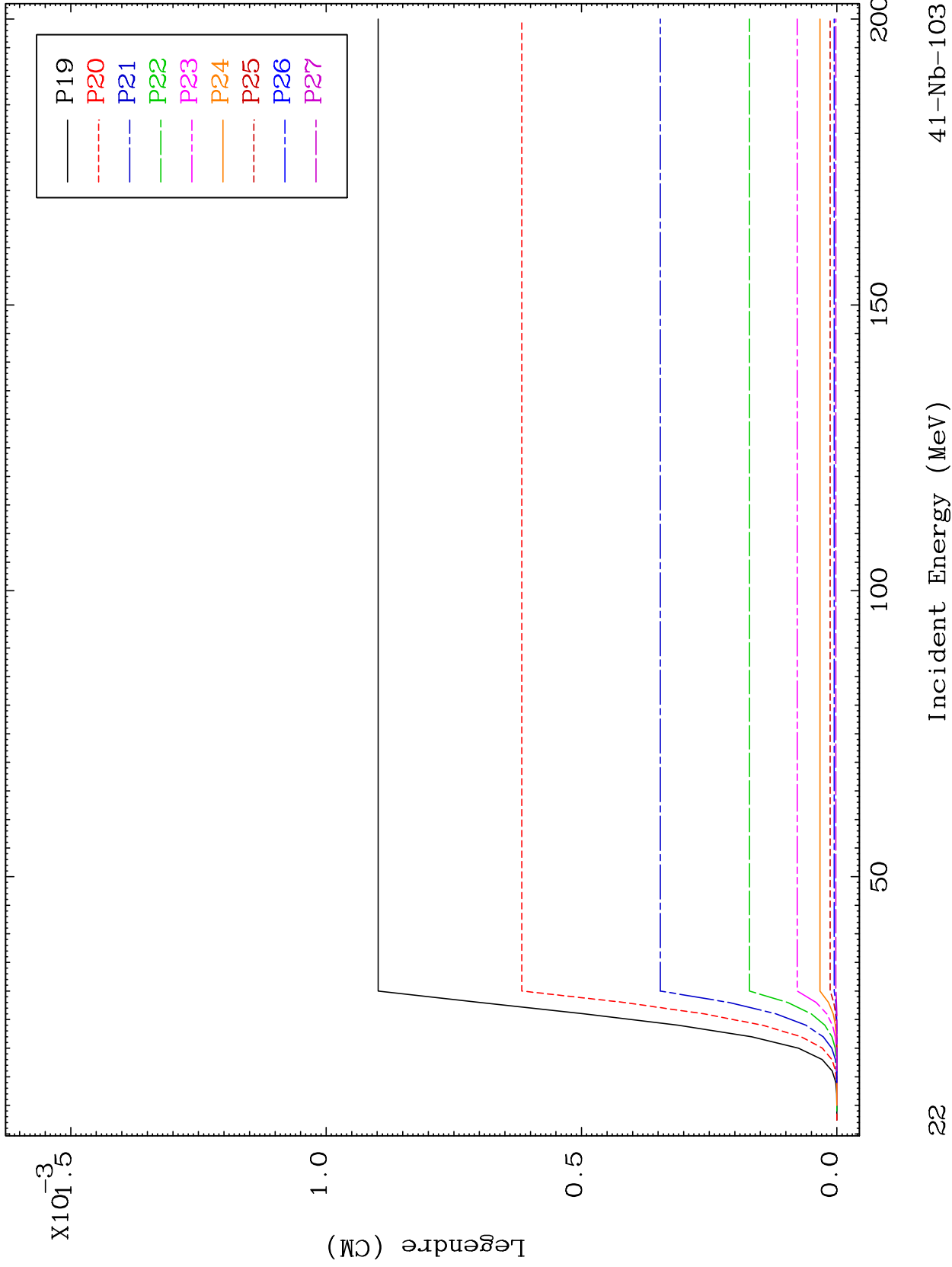
41-Nb-103



41-Nb-103

Incident Energy (MeV)

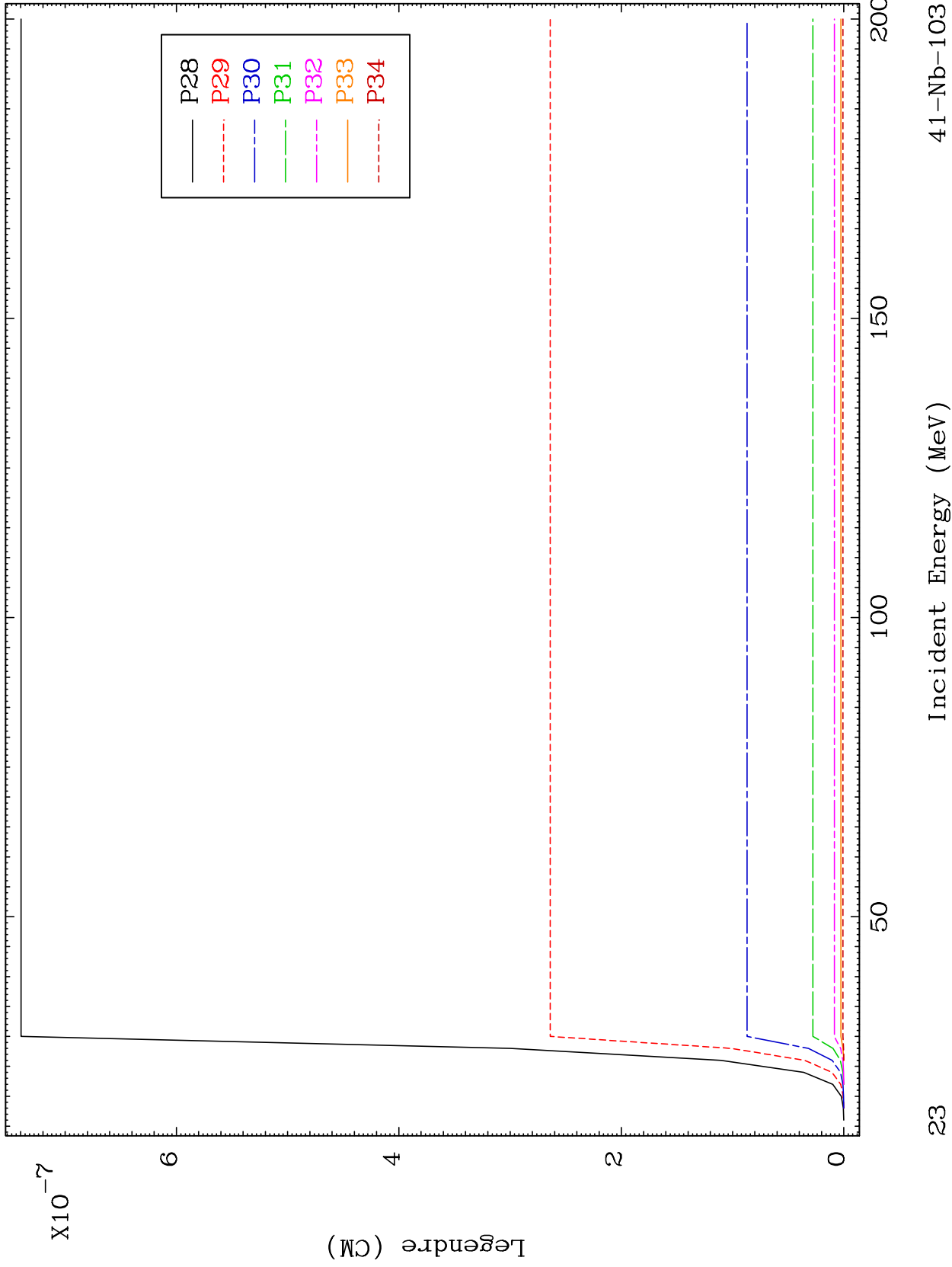
21



MAT 4155

126.4 keV (n,n') Level
Legendre Coefficients

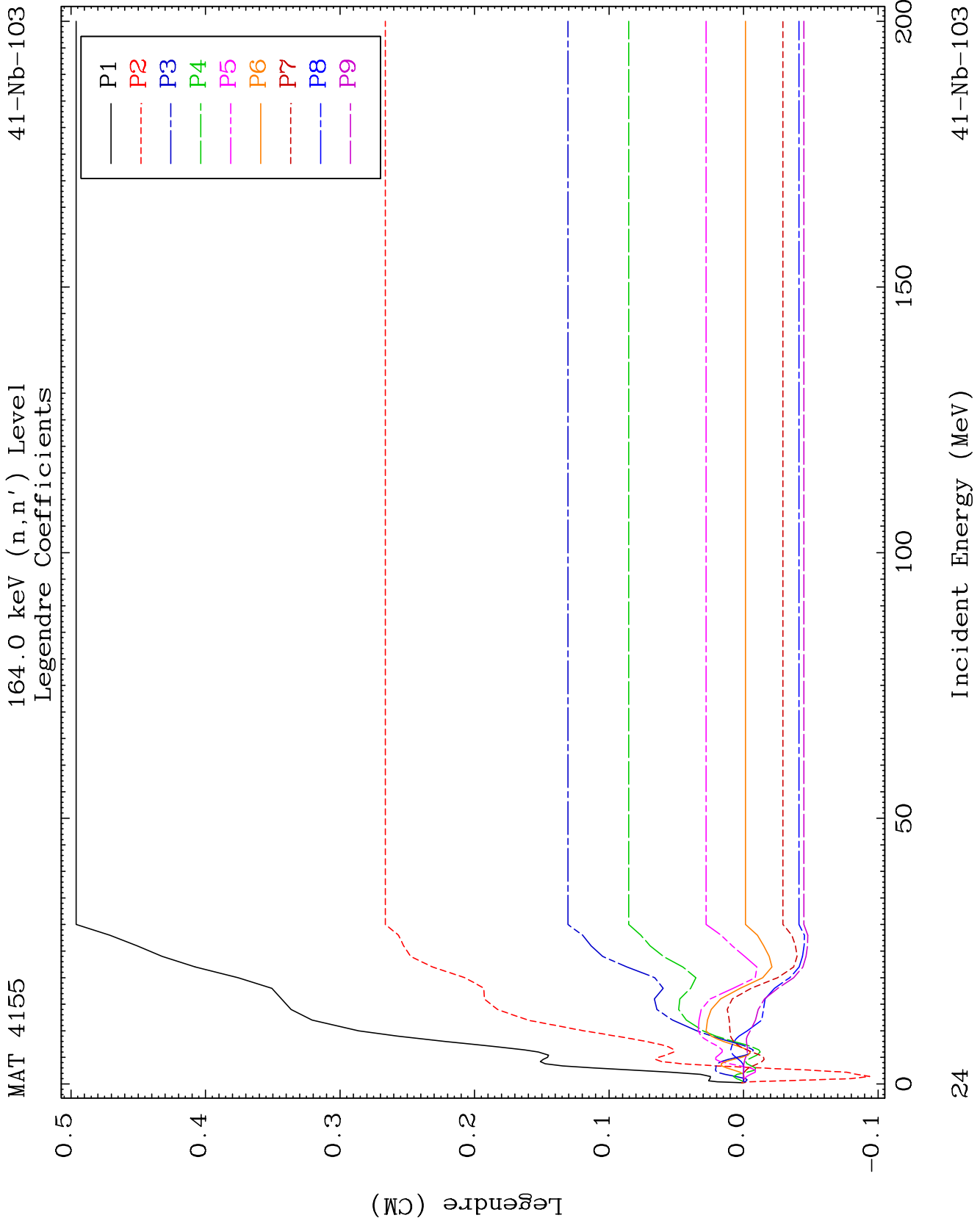
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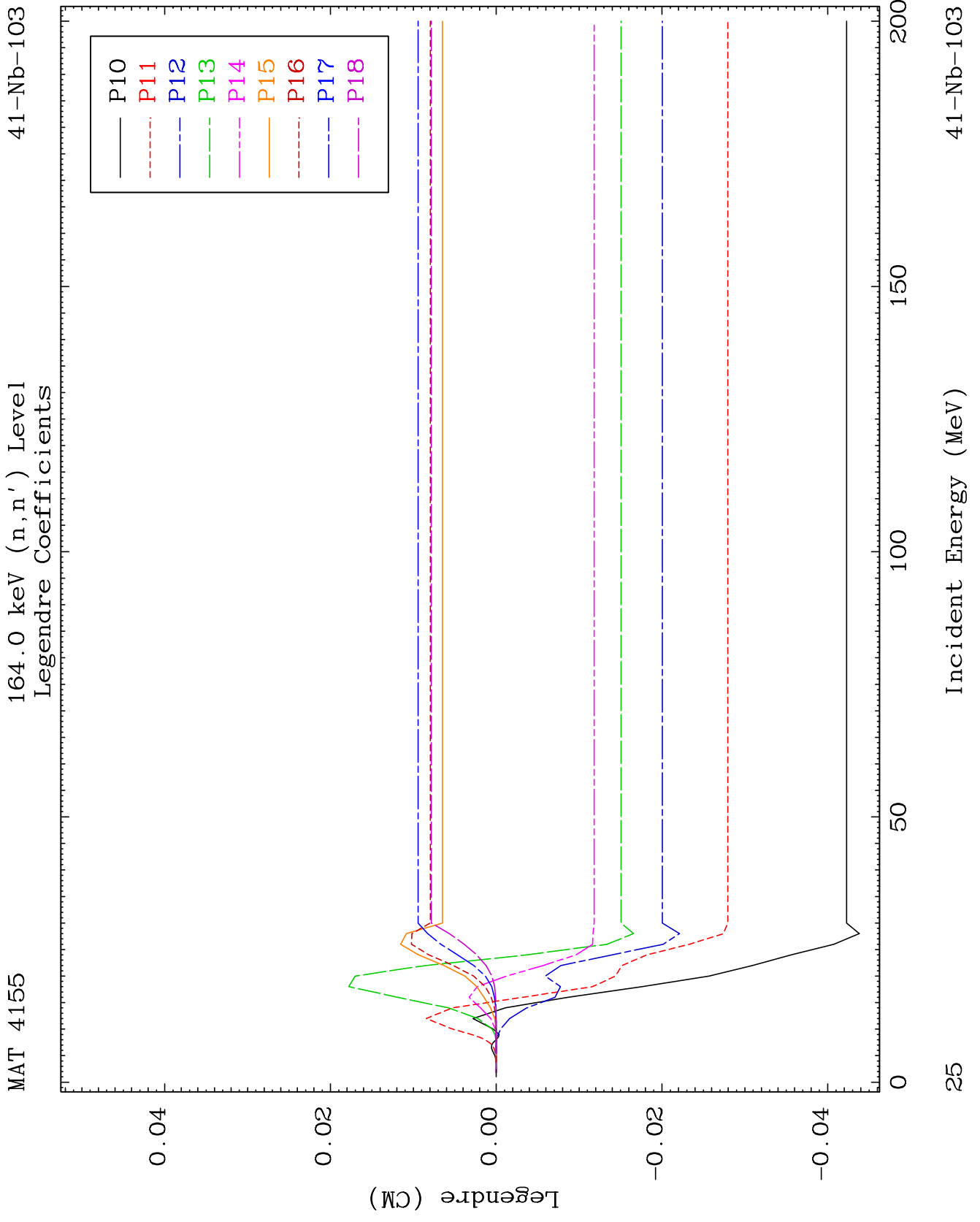


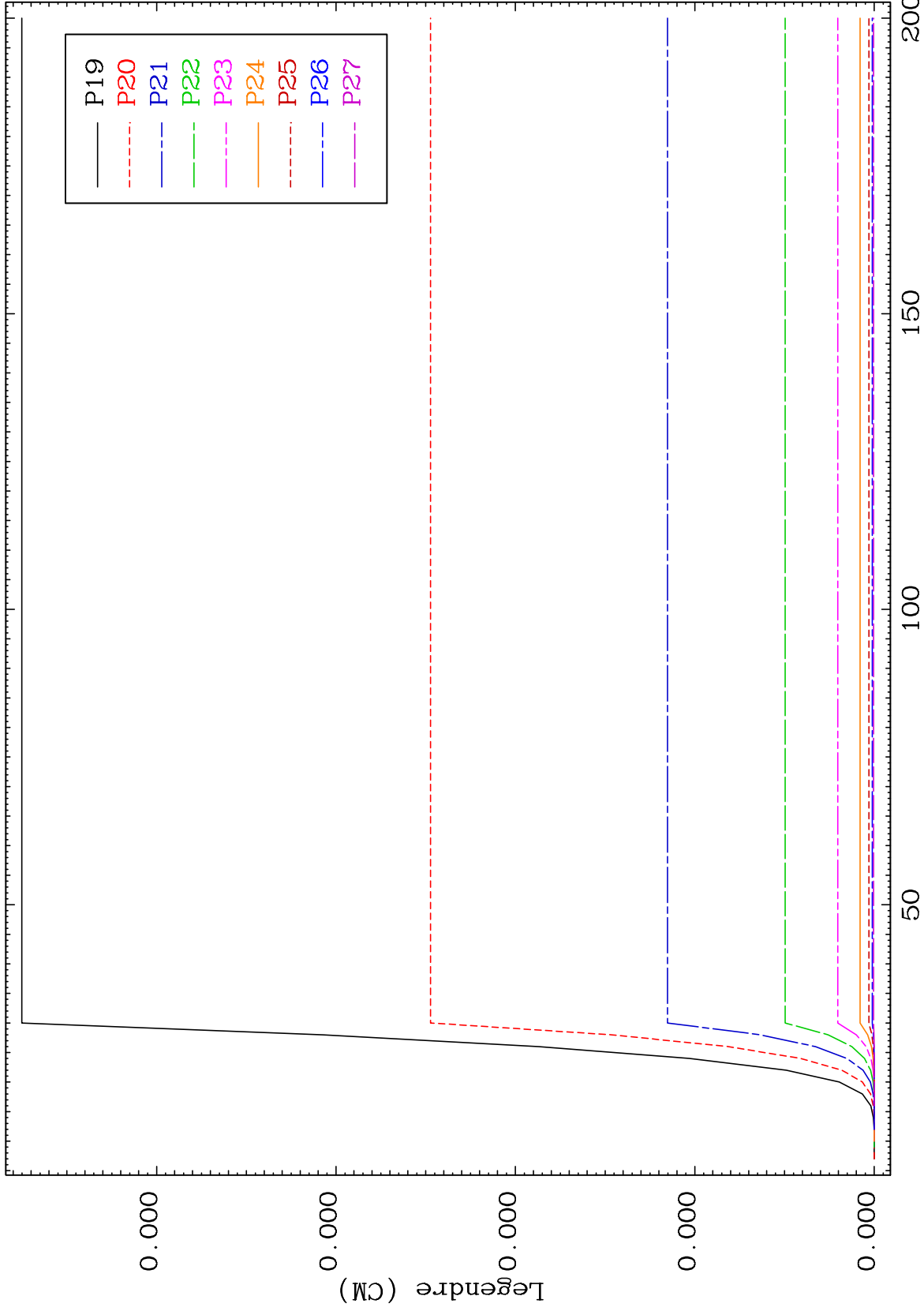
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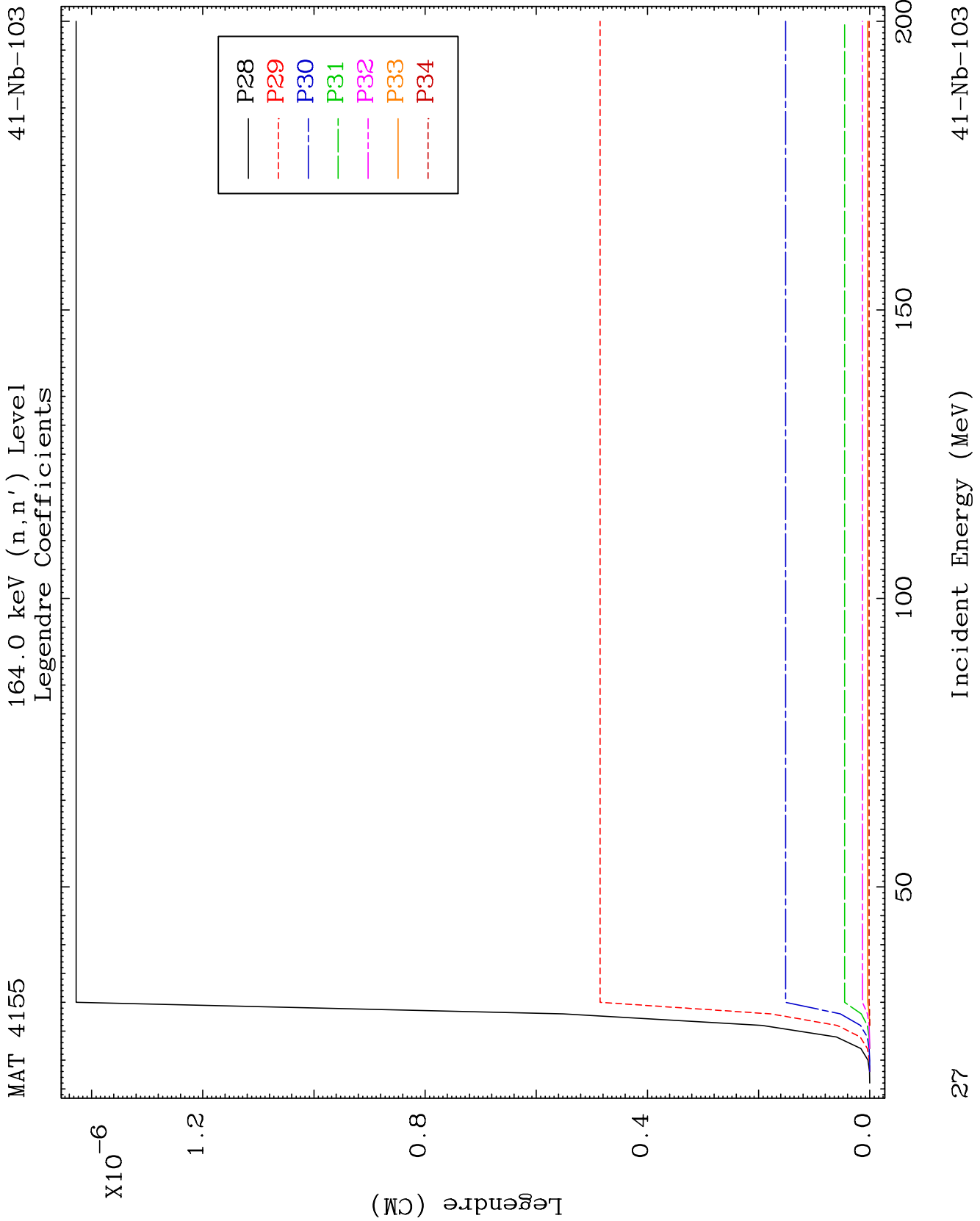
Incident Energy (MeV)

41-Nb-103





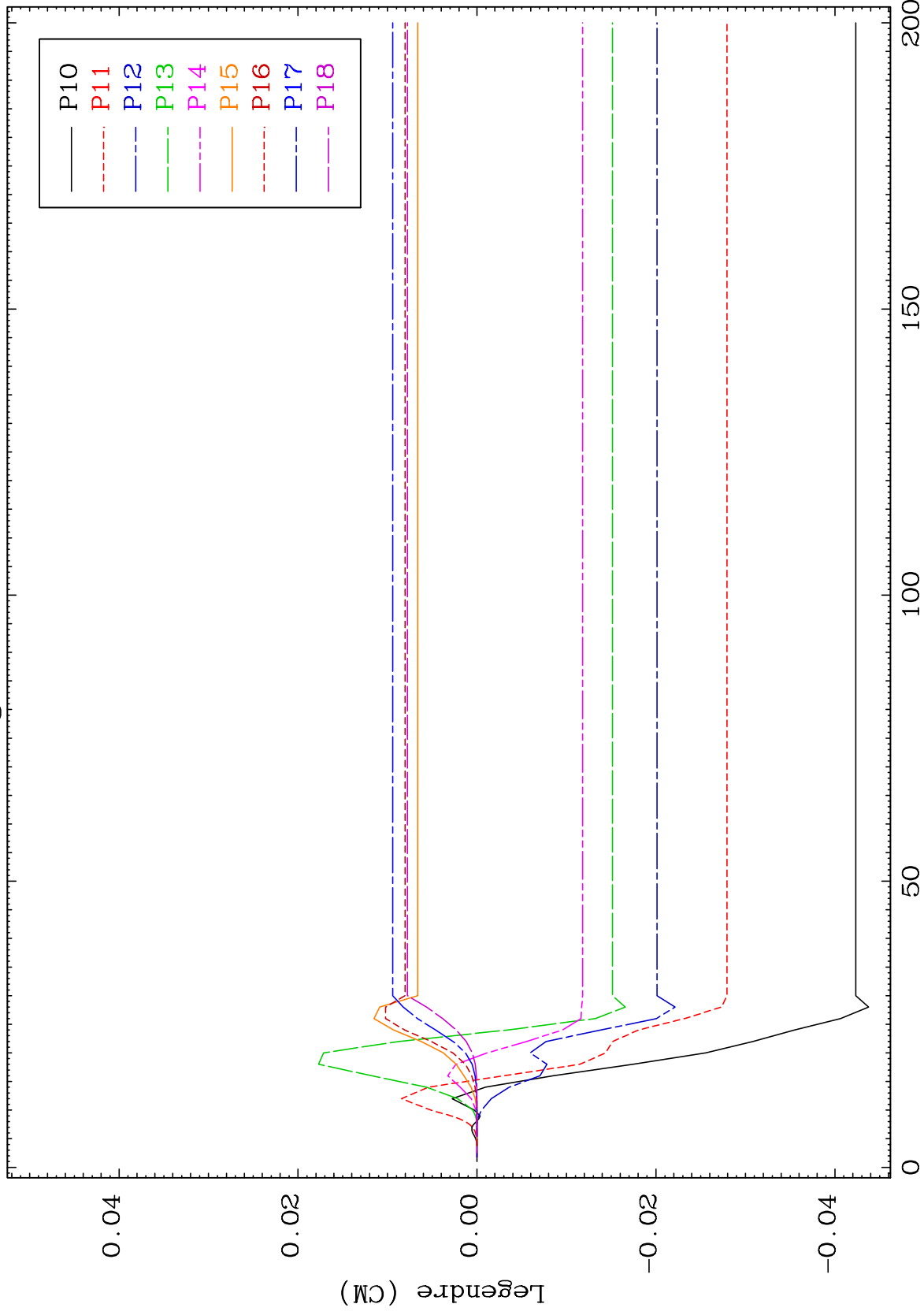




MAT 4155

247.7 keV (n,n') Level
Legendre Coefficients

41-Nb-103



29

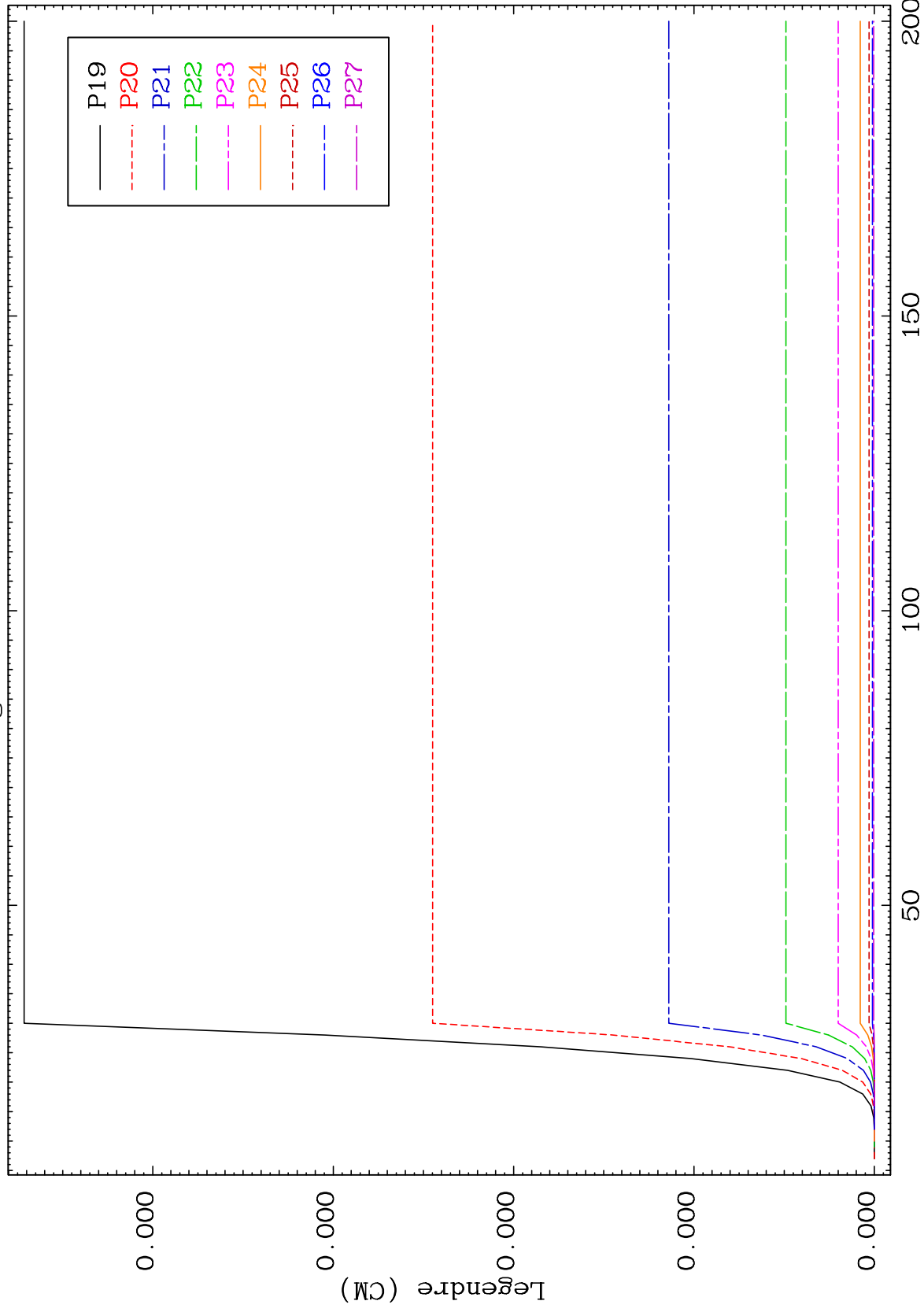
Incident Energy (MeV)

41-Nb-103

MAT 4155

247.7 keV (n,n') Level
Legendre Coefficients

41-Nb-103



30

Incident Energy (MeV)

50

100

150

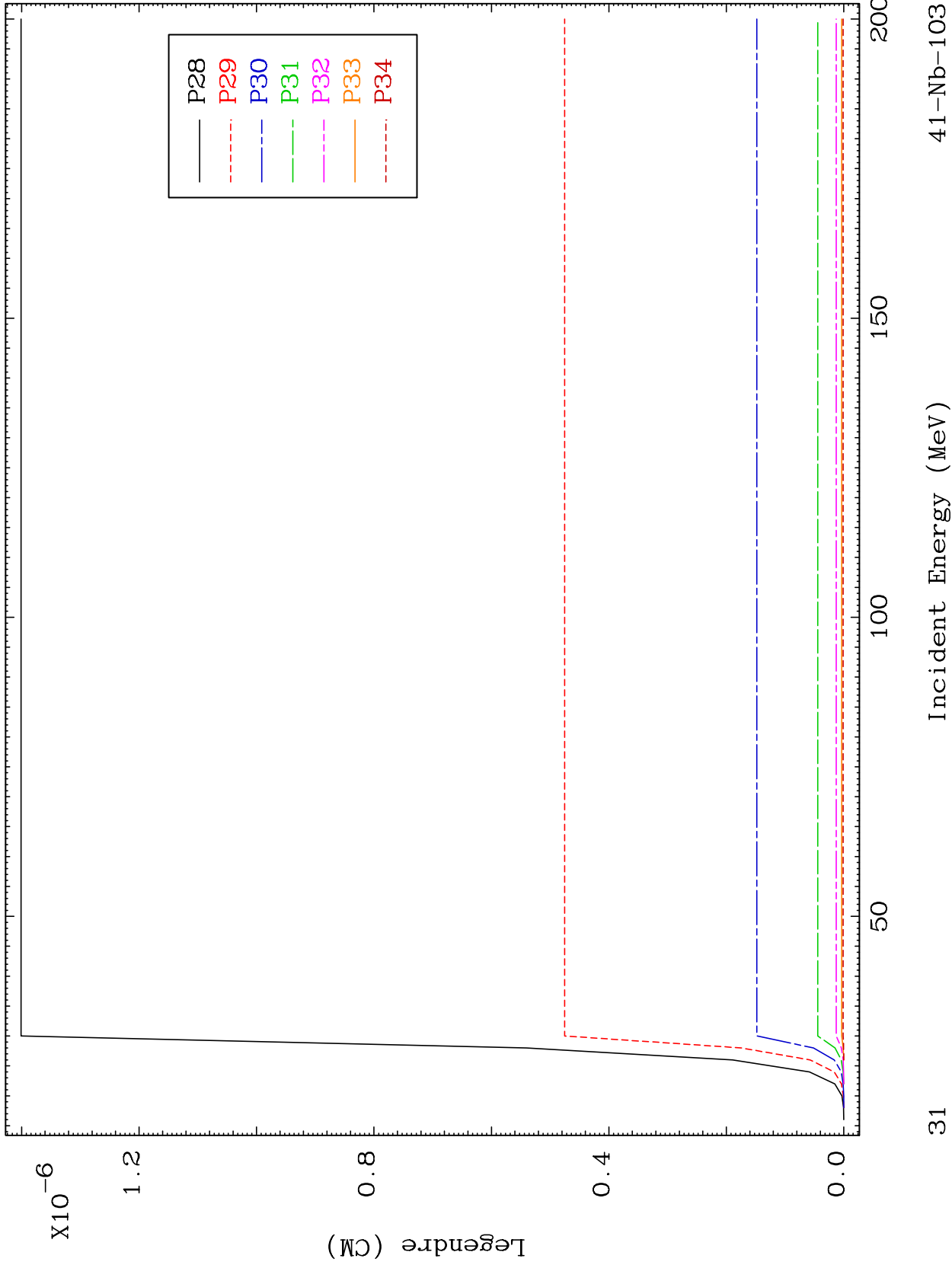
200

41-Nb-103

MAT 4155

247.7 keV (n,n') Level
Legendre Coefficients

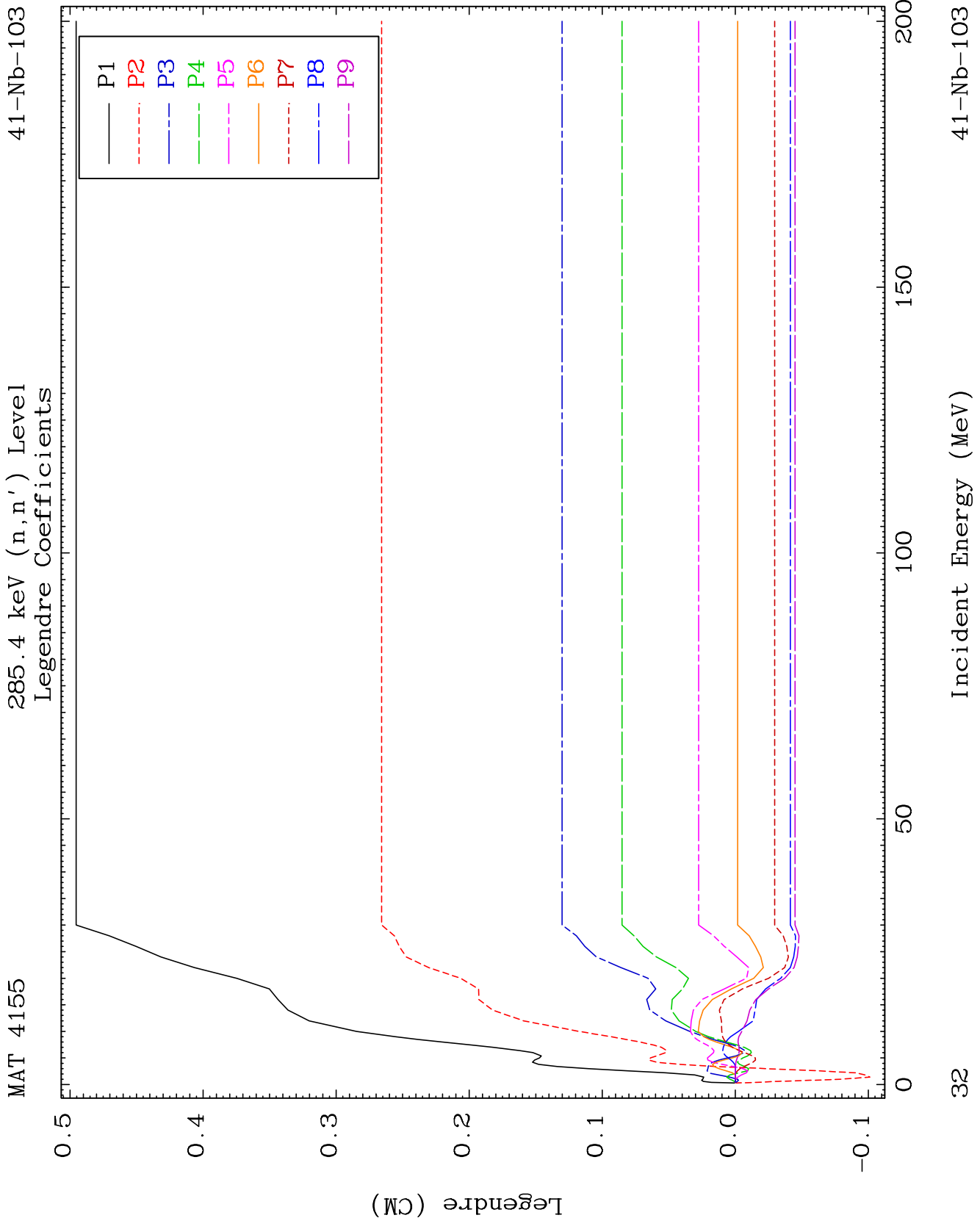
41-Nb-103



31

Incident Energy (MeV)

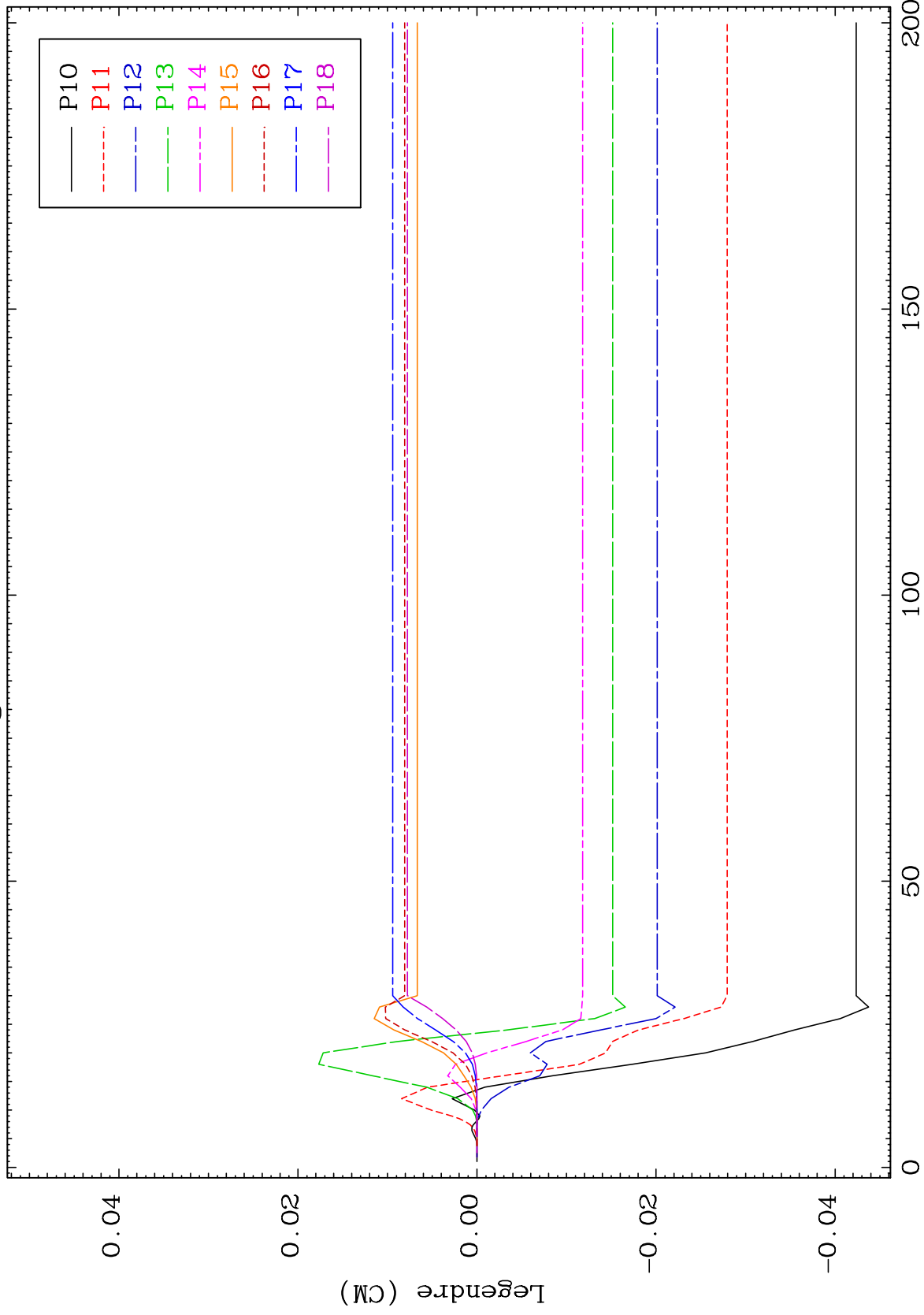
41-Nb-103



MAT 4155

285.4 keV (n,n') Level
Legendre Coefficients

41-Nb-103



33

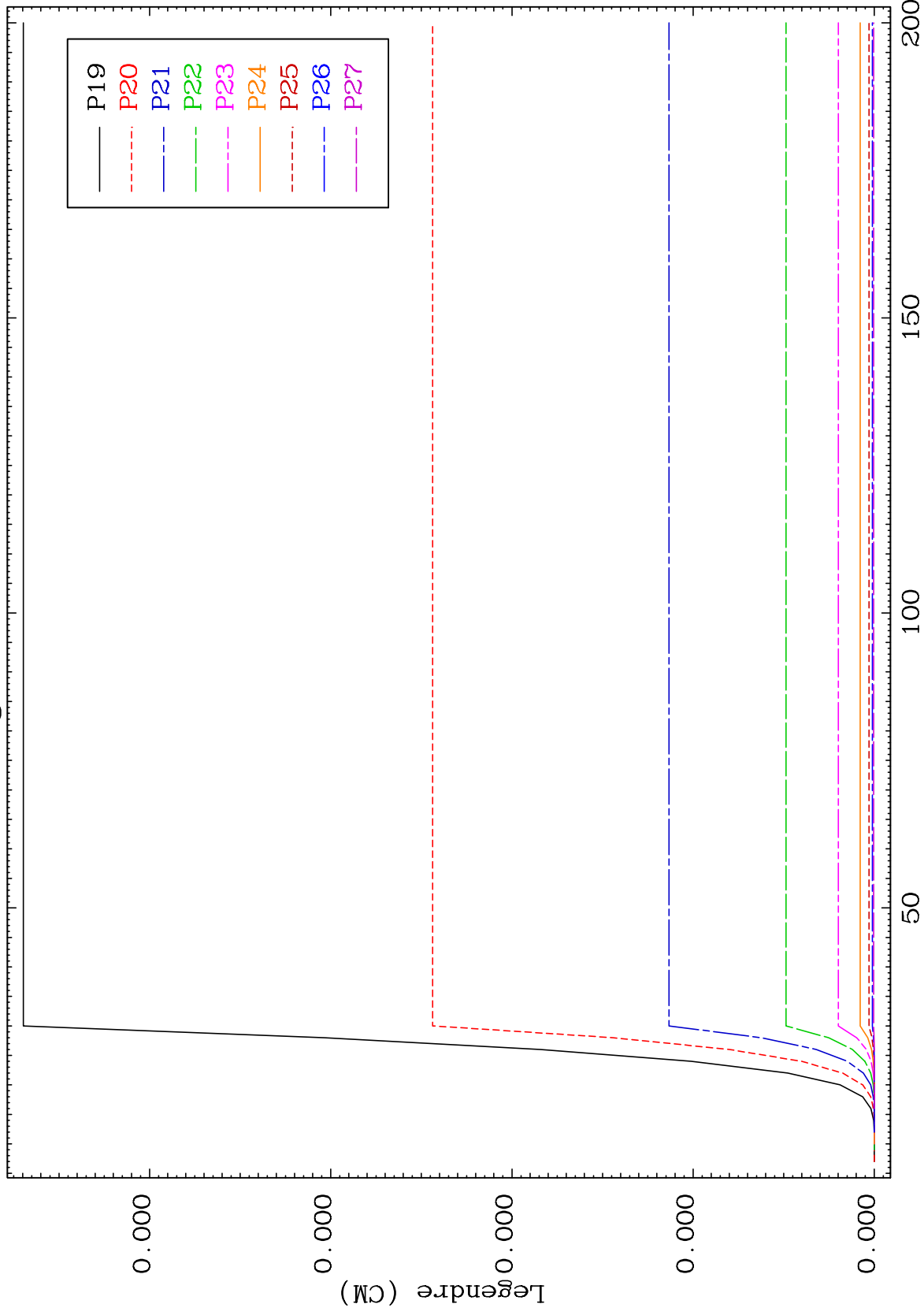
Incident Energy (MeV)

41-Nb-103

MAT 4155

285.4 keV (n, n') Level
Legendre Coefficients

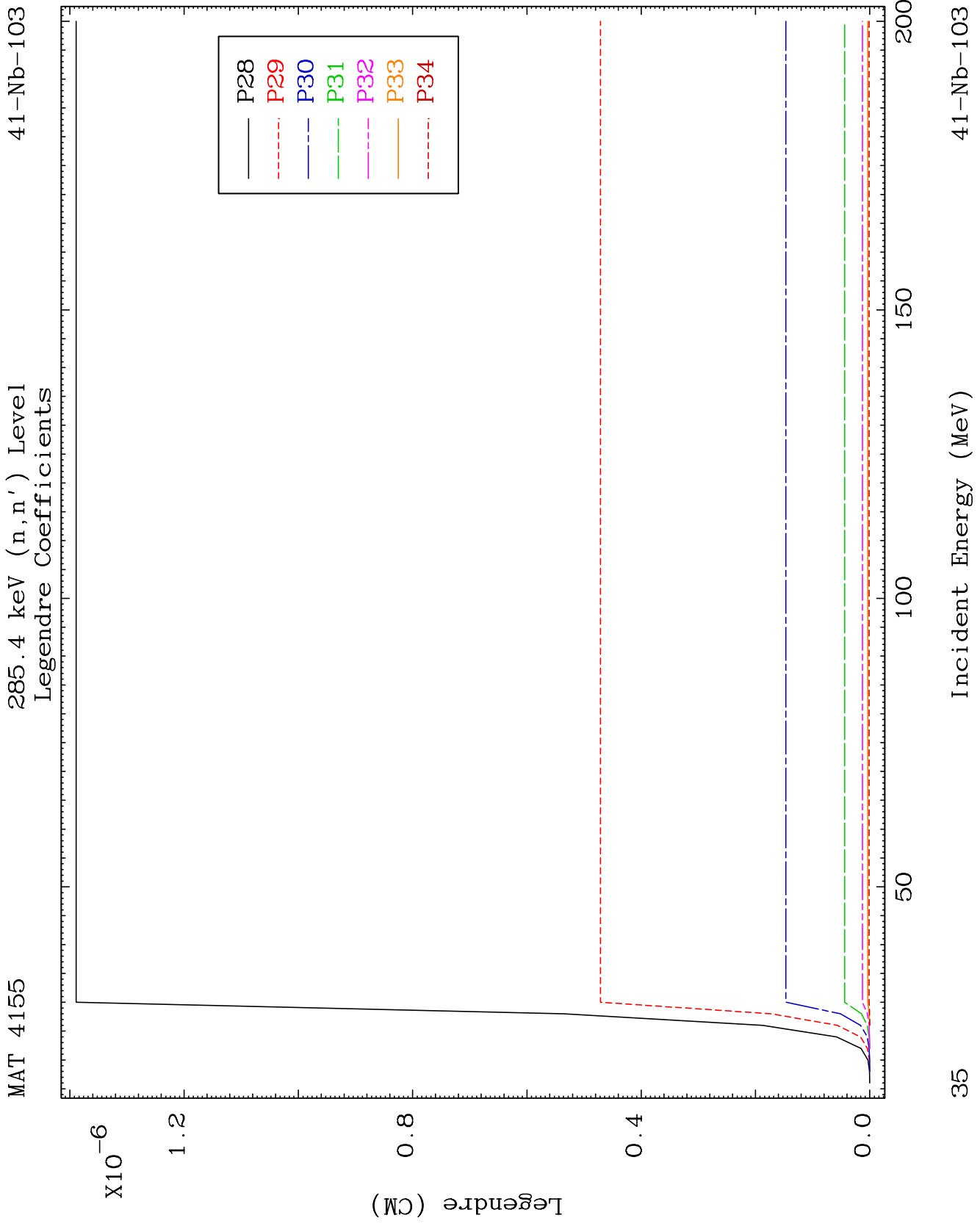
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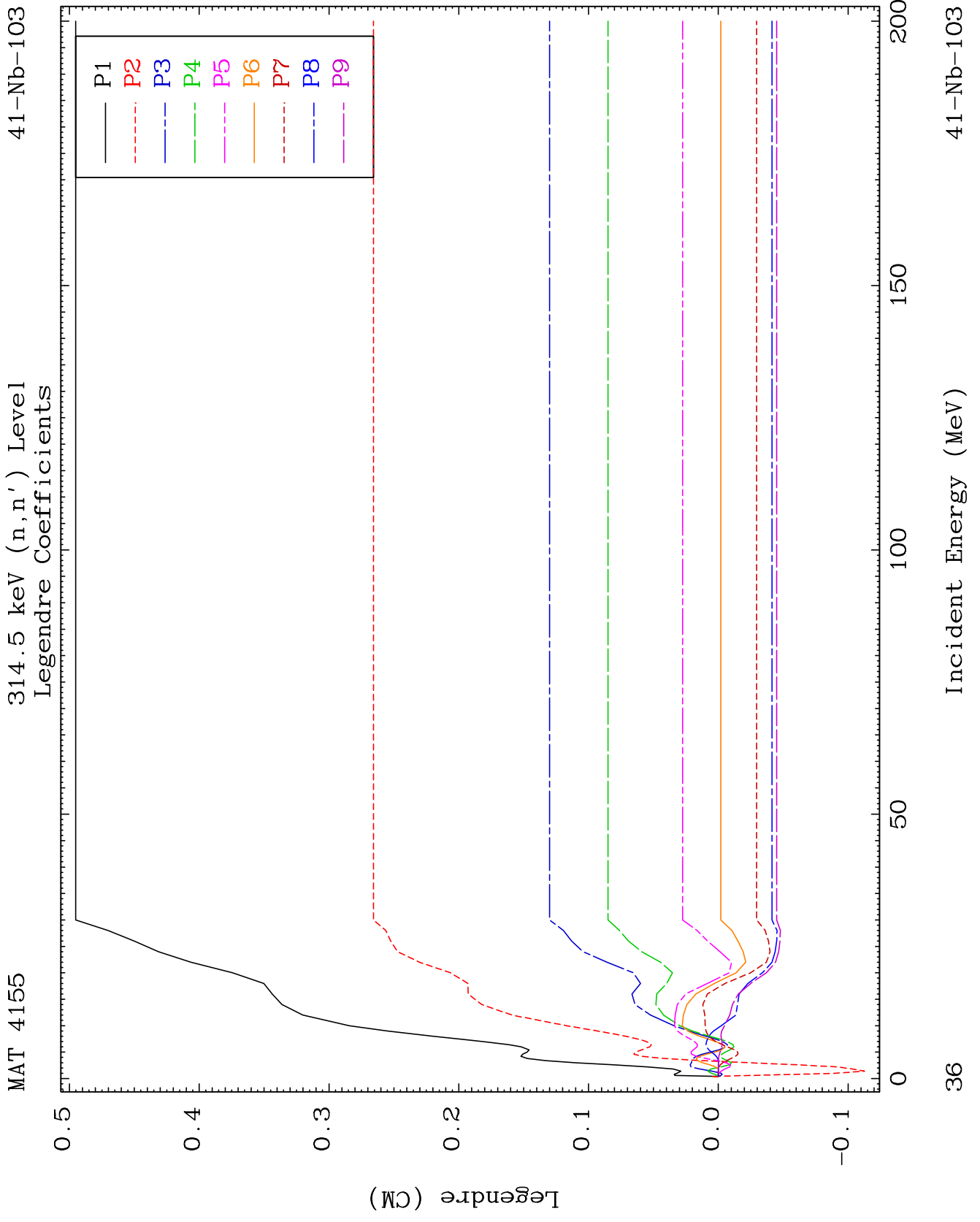


34

Incident Energy (MeV)

41-Nb-103

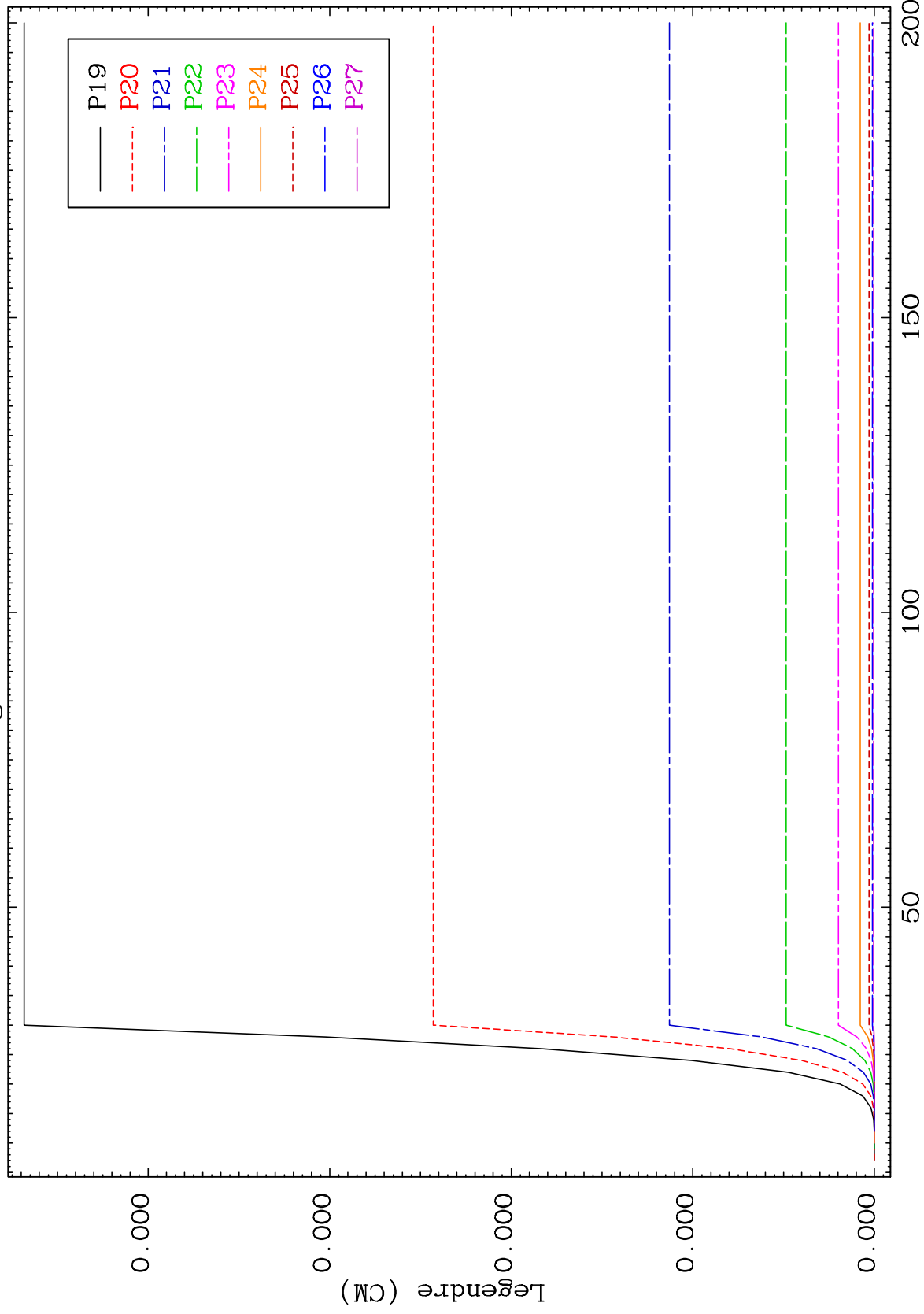




MAT 4155

314.5 keV (n, n') Level
Legendre Coefficients

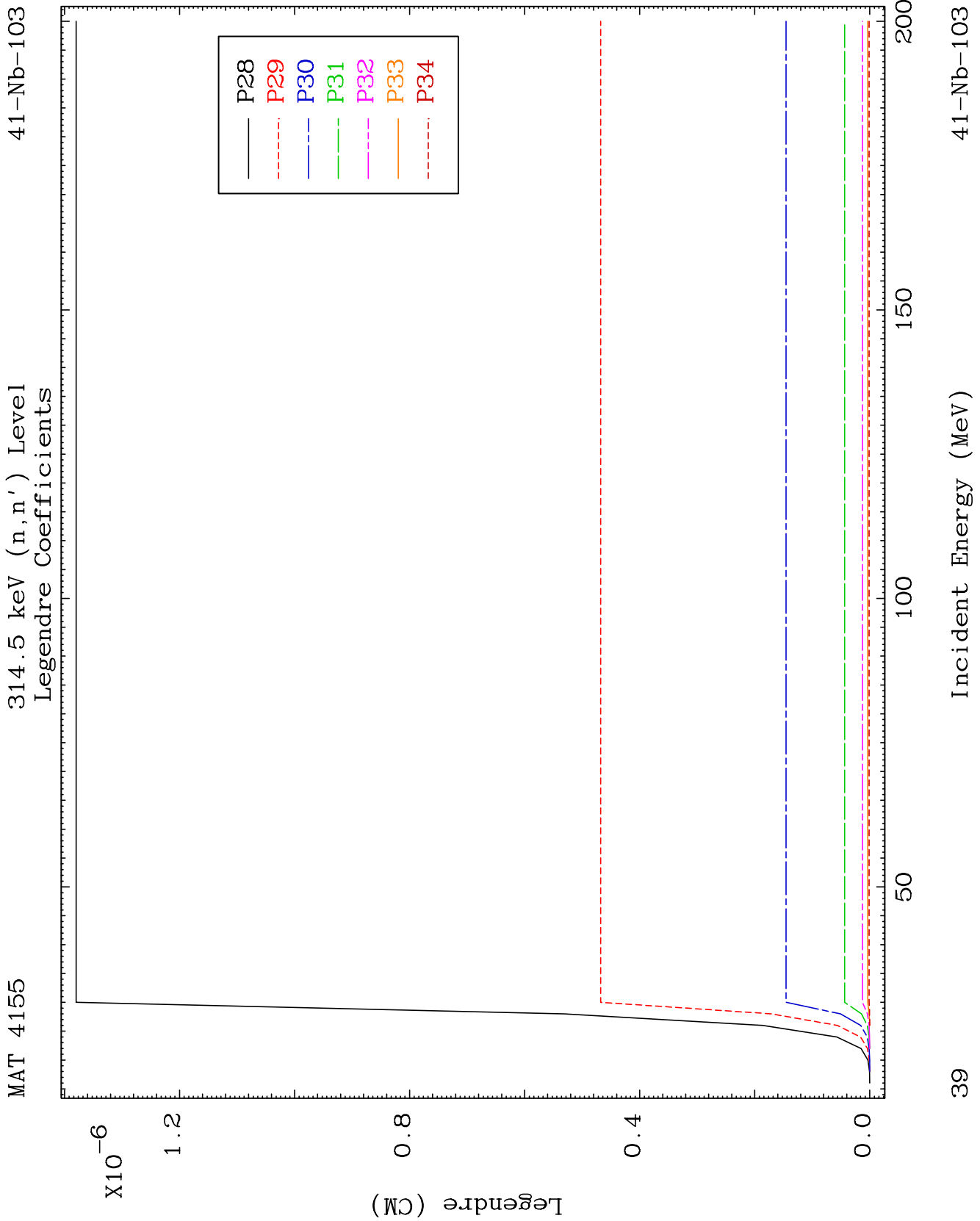
41-Nb-103



38

Incident Energy (MeV)

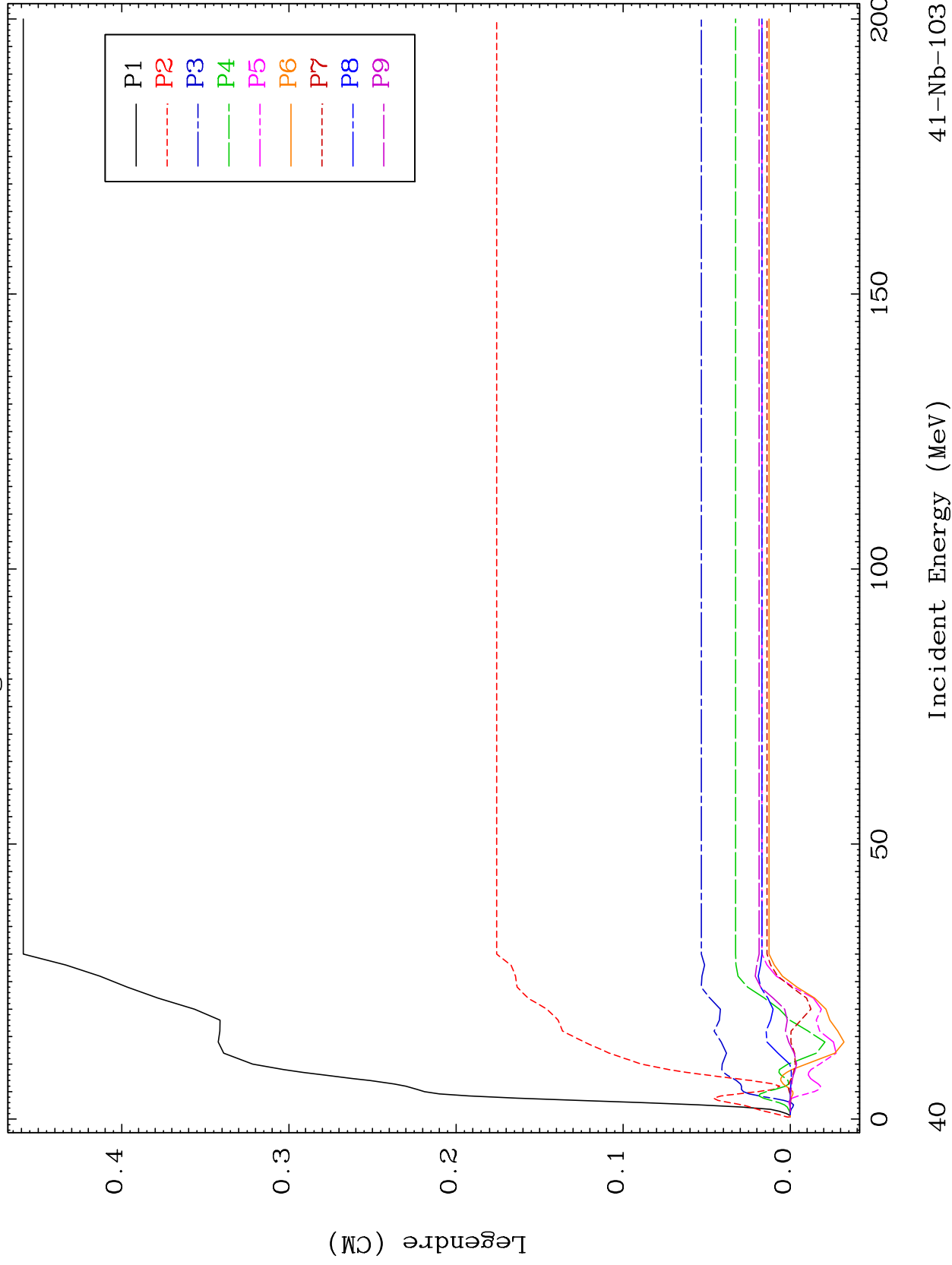
41-Nb-103



MAT 4155

367.8 keV (n,n') Level
Legendre Coefficients

41-Nb-103

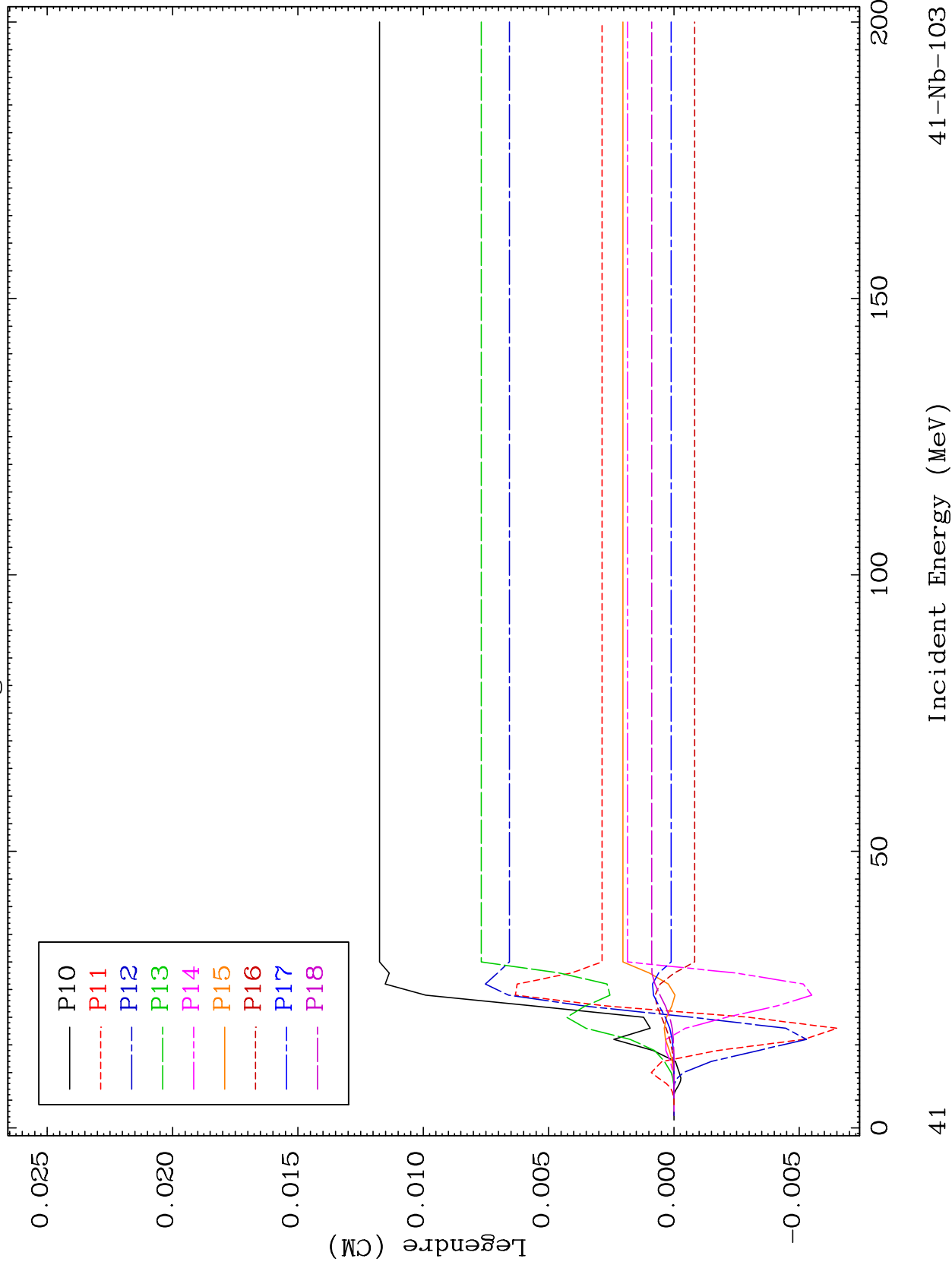


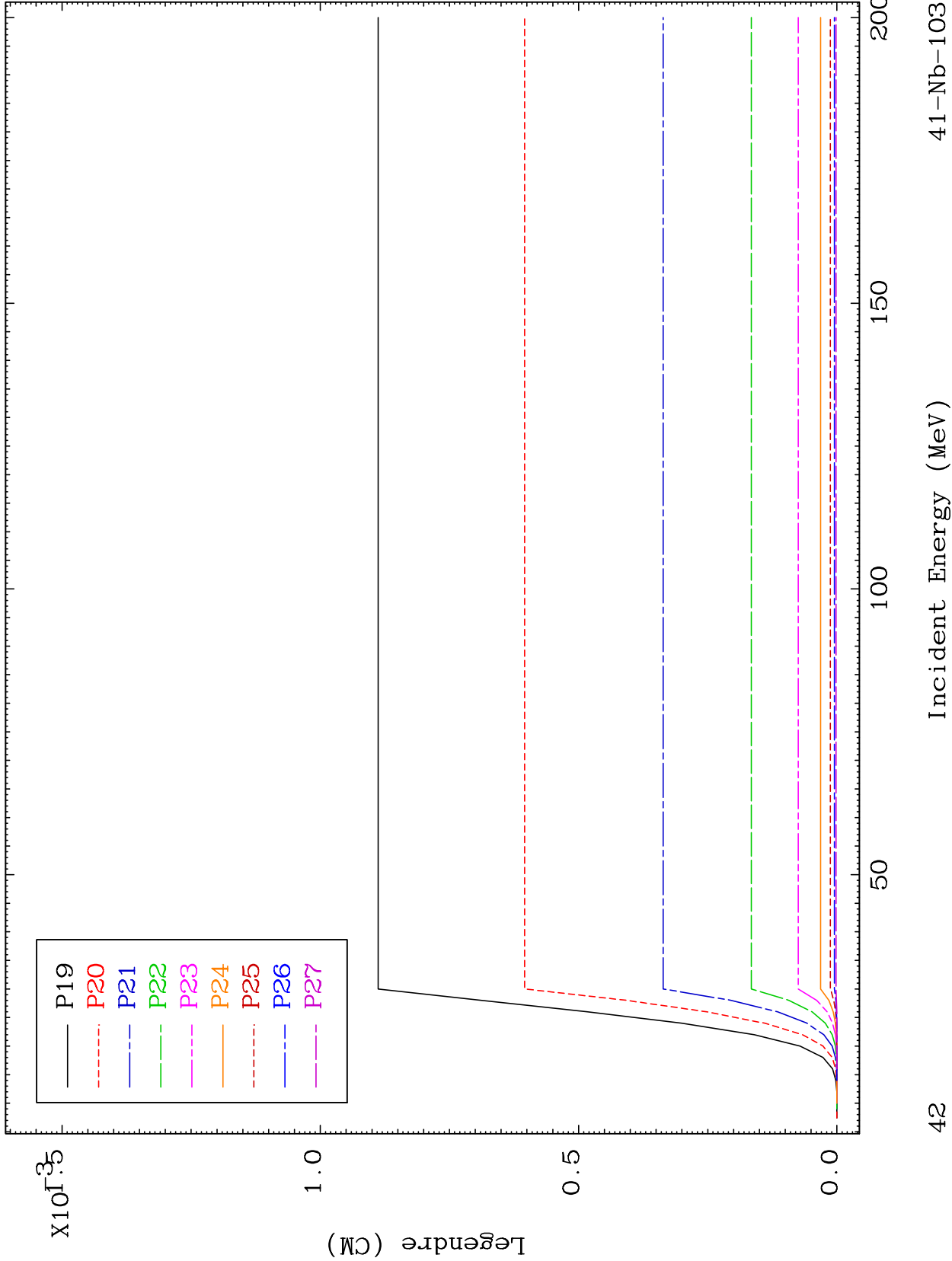
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MAT 4155

367.8 keV (n,n') Level
Legendre Coefficients

41-Nb-103

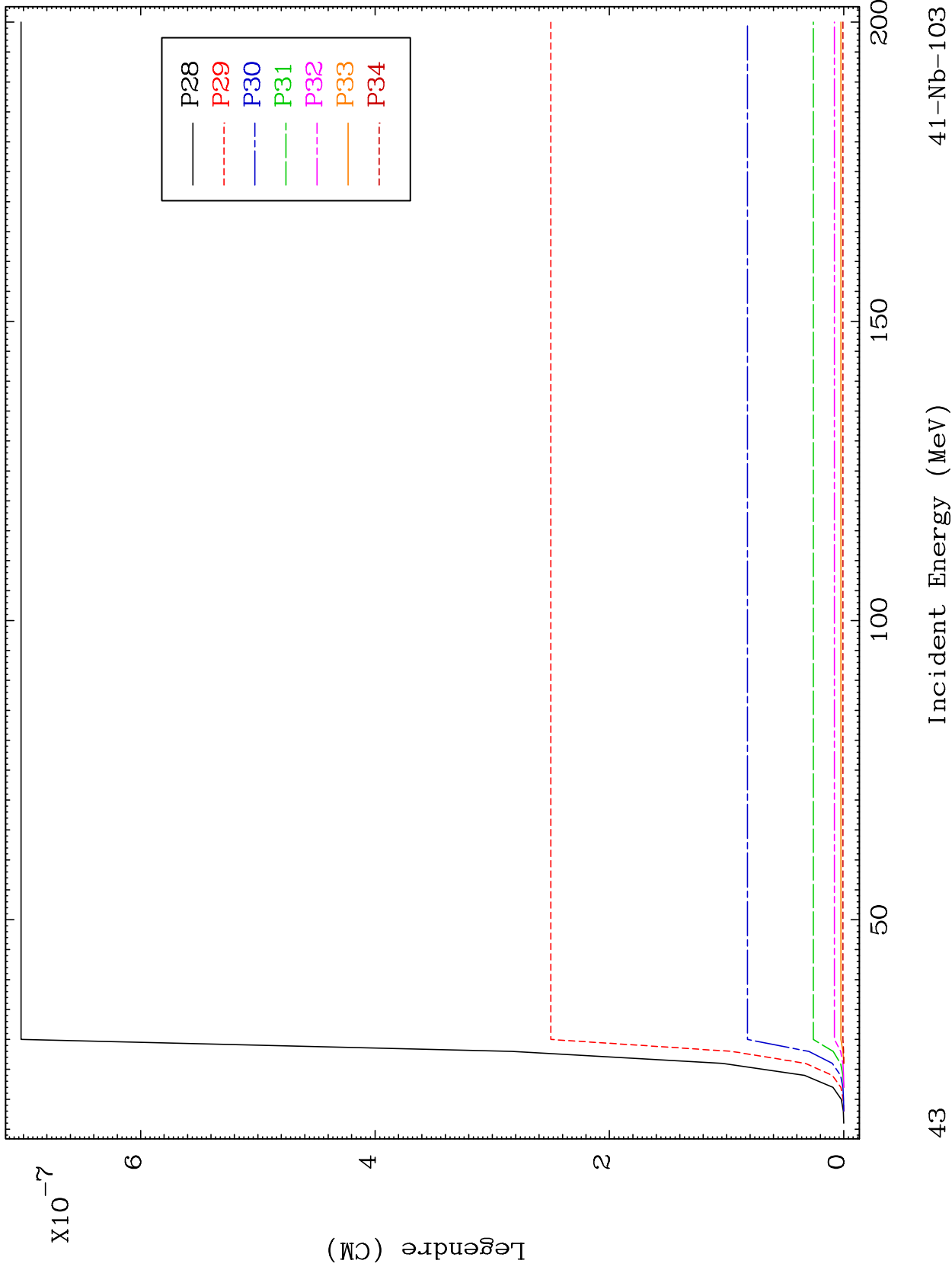




MAT 4155

367.8 keV (n,n') Level
Legendre Coefficients

41-Nb-103



43

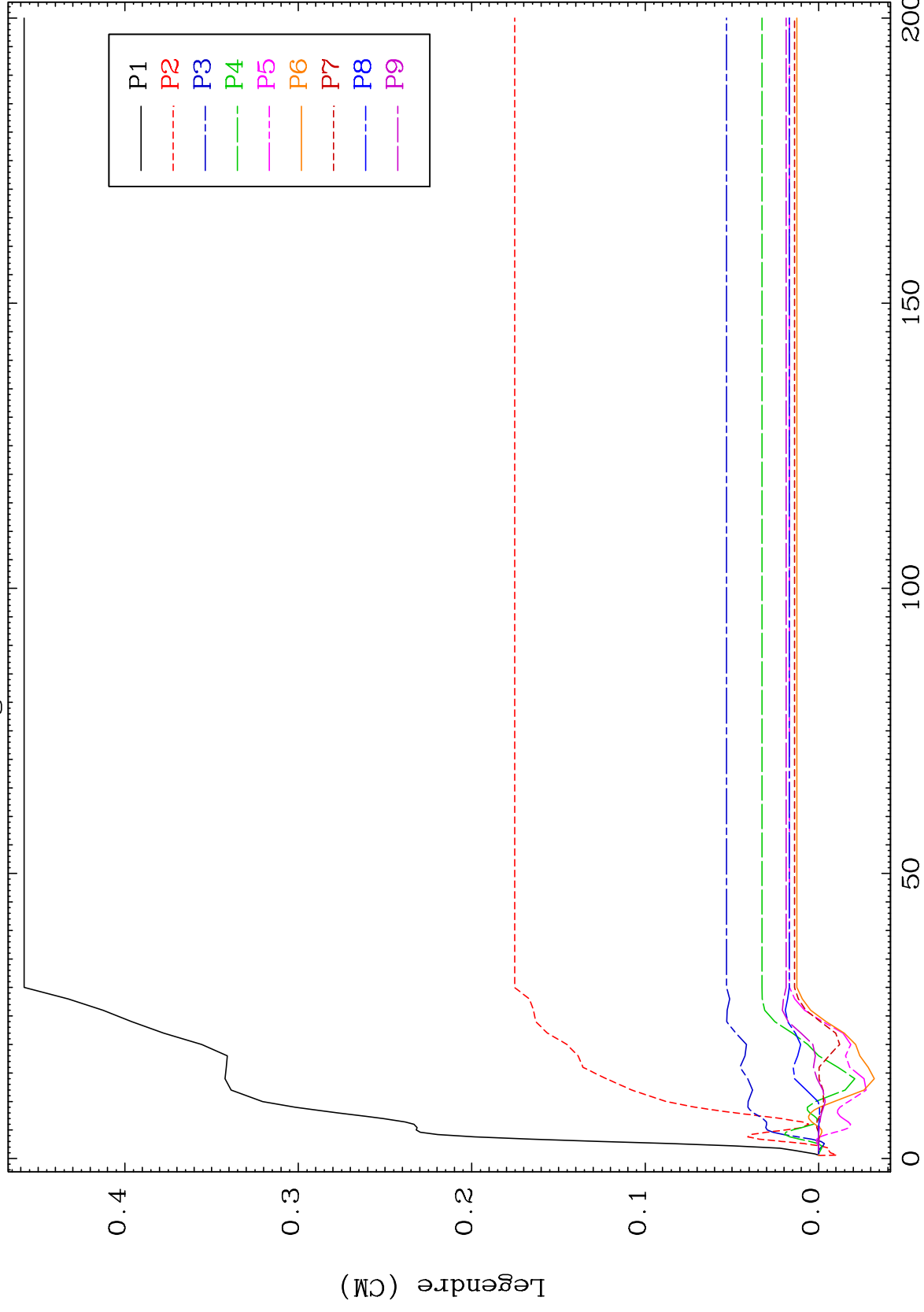
Incident Energy (MeV)

41-Nb-103

MAT 4155

502.4 keV (n,n') Level
Legendre Coefficients

41-Nb-103



44

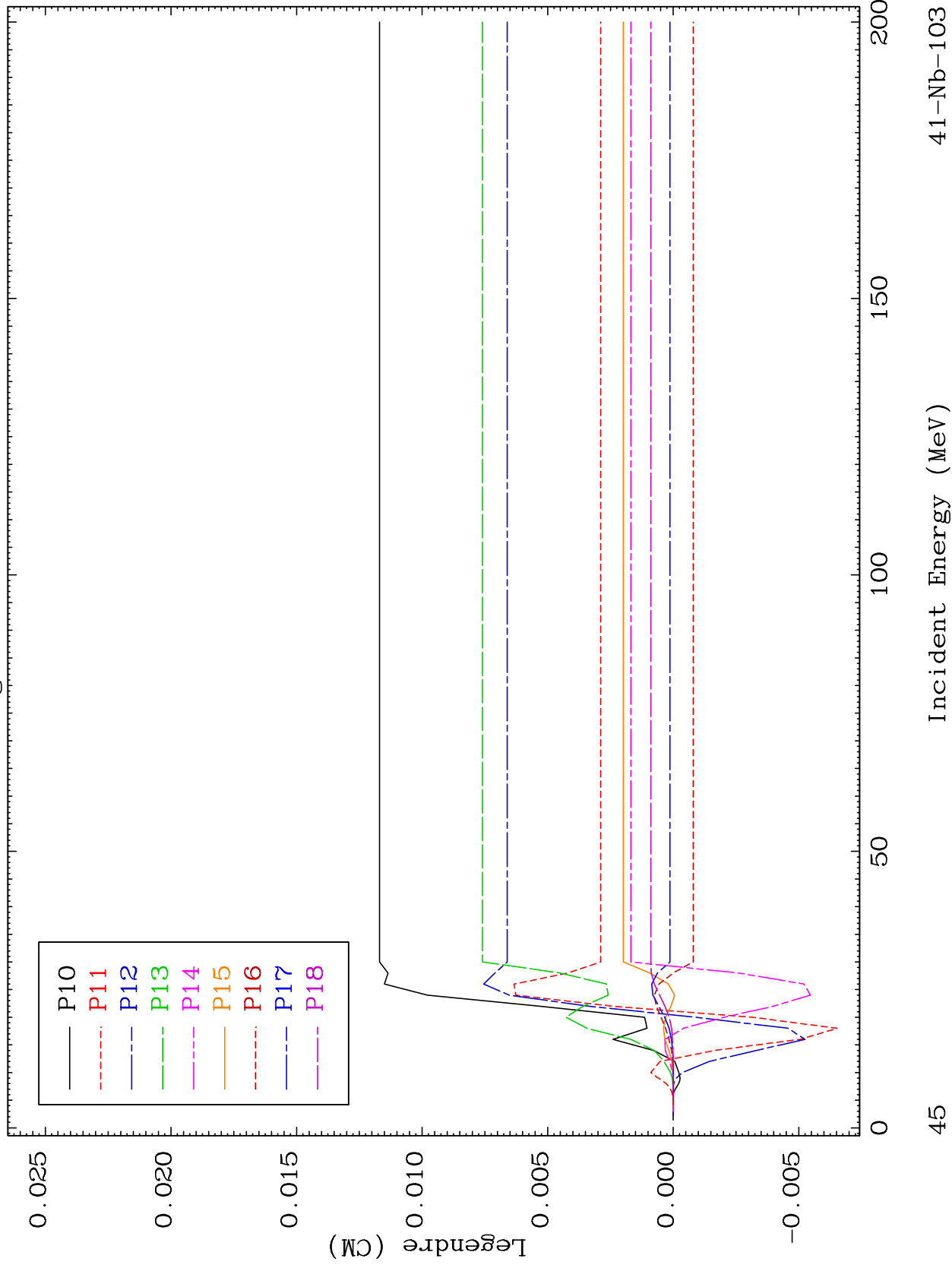
Incident Energy (MeV)

41-Nb-103

MAT 4155

502.4 keV (n,n') Level
Legendre Coefficients

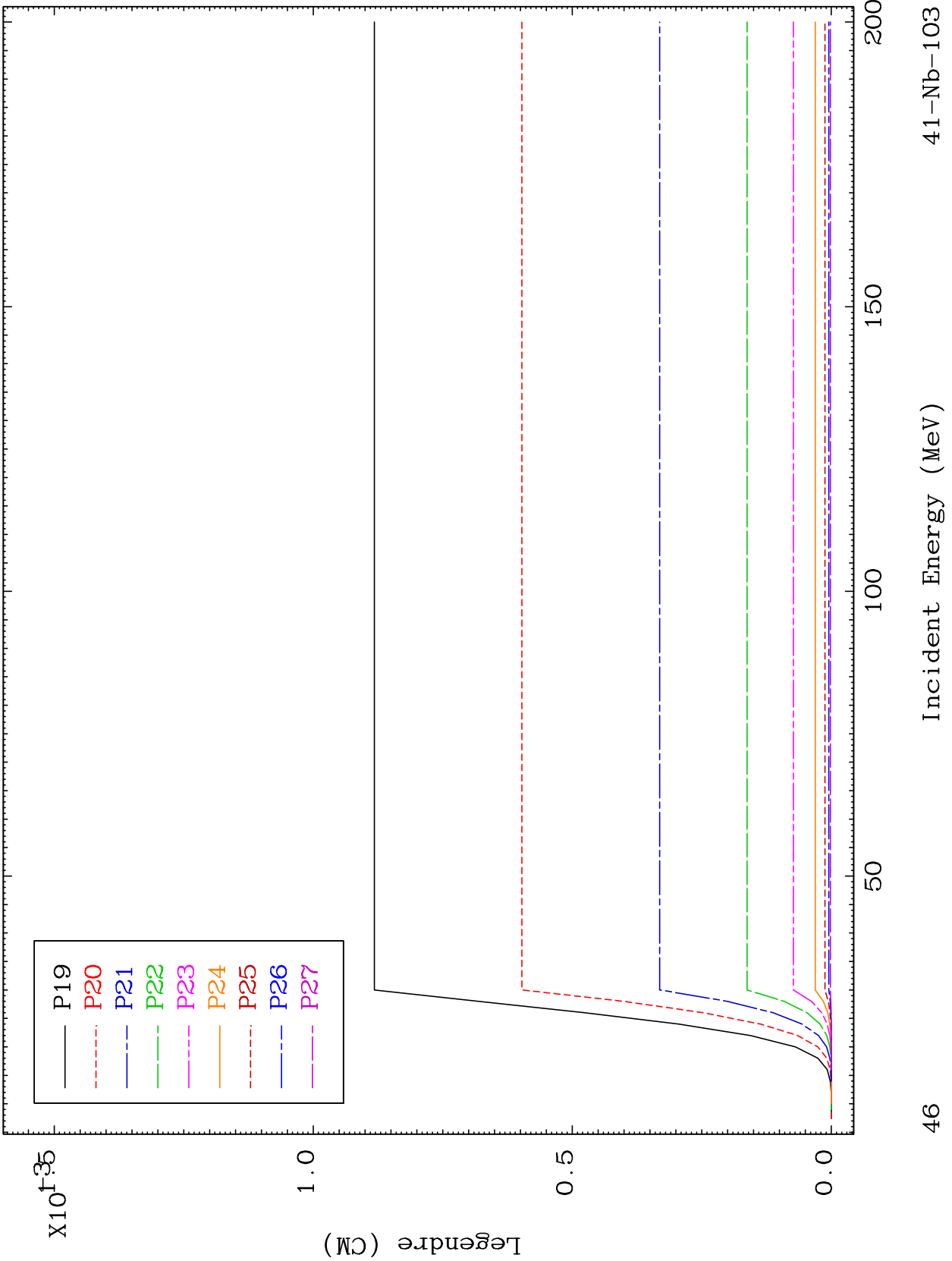
41-Nb-103



41-Nb-103

Incident Energy (MeV)

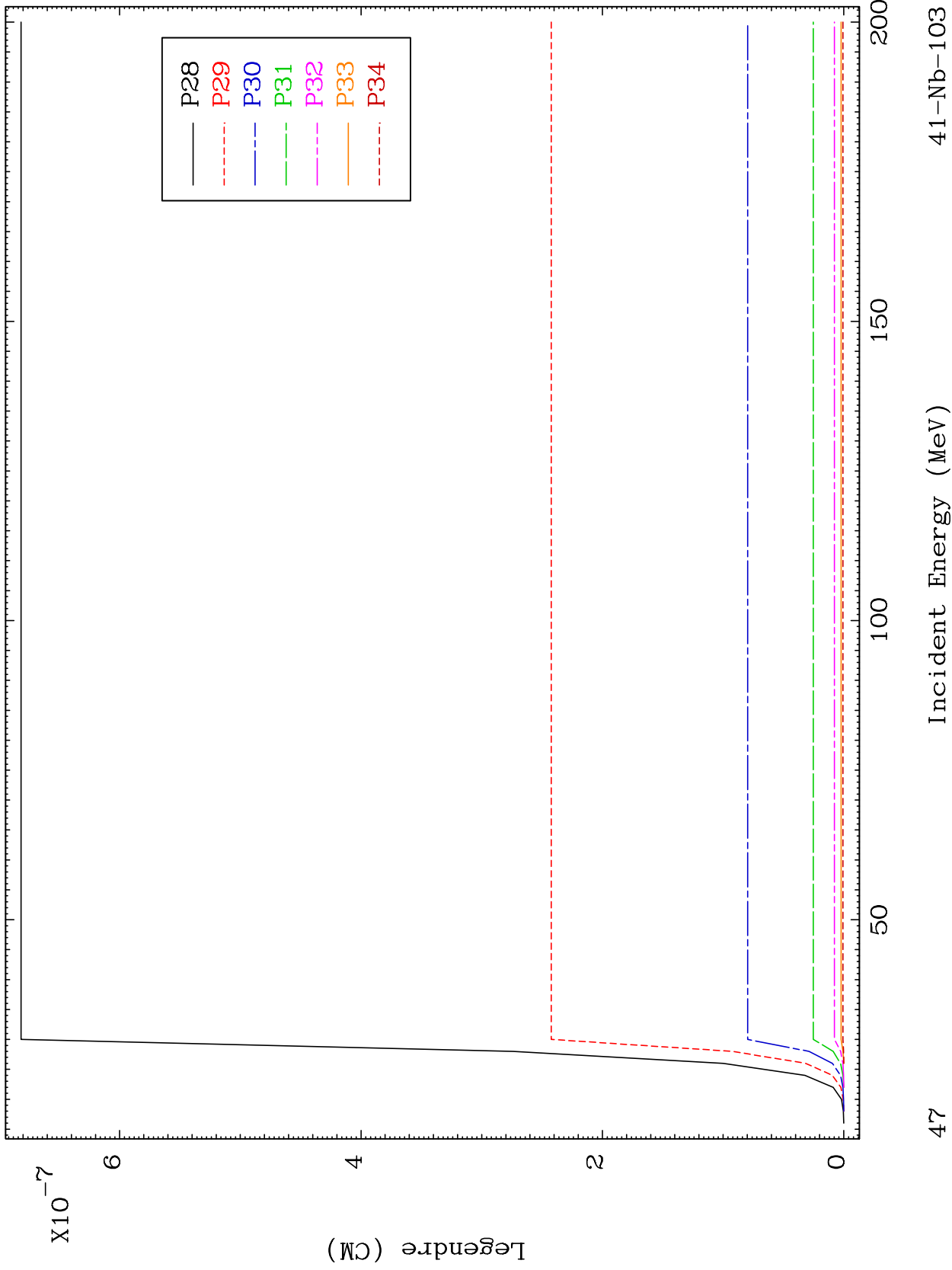
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MAT 4155

502.4 keV (n,n') Level
Legendre Coefficients

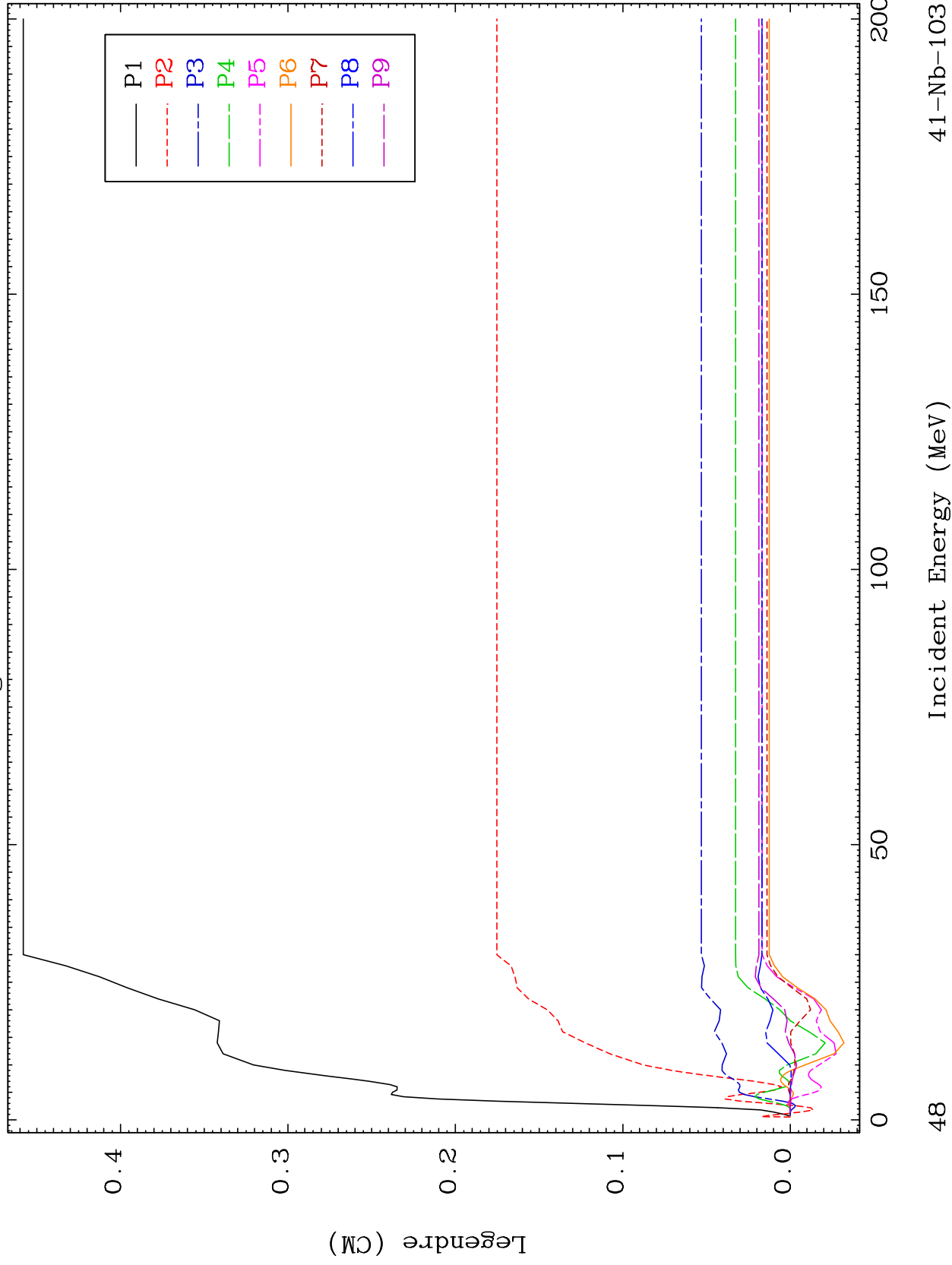
41-Nb-103



MAT 4155

503.7 keV (n,n') Level
Legendre Coefficients

41-Nb-103



41-Nb-103

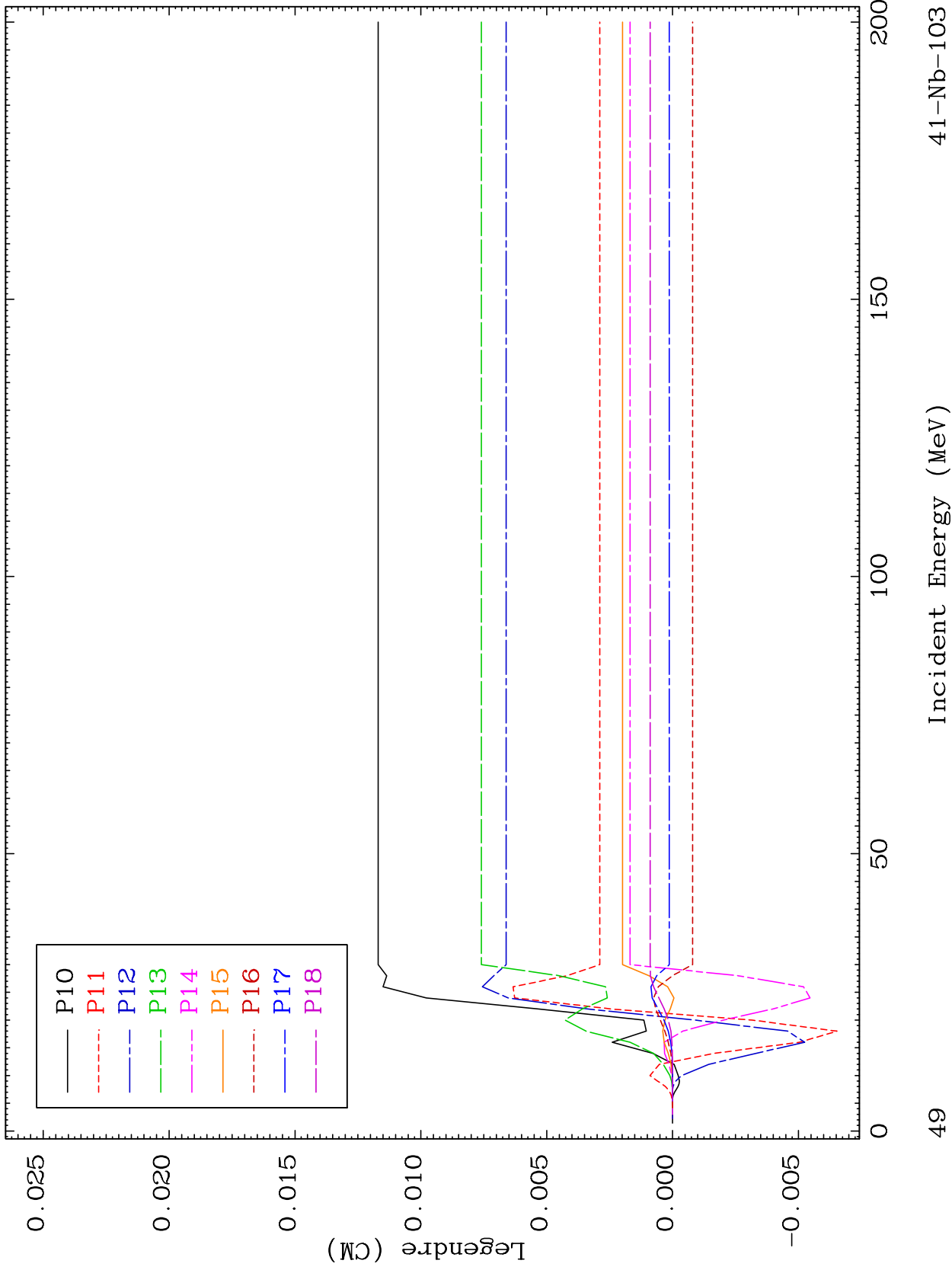
Incident Energy (MeV)

48

MAT 4155

503.7 keV (n,n') Level
Legendre Coefficients

41-Nb-103



41-Nb-103

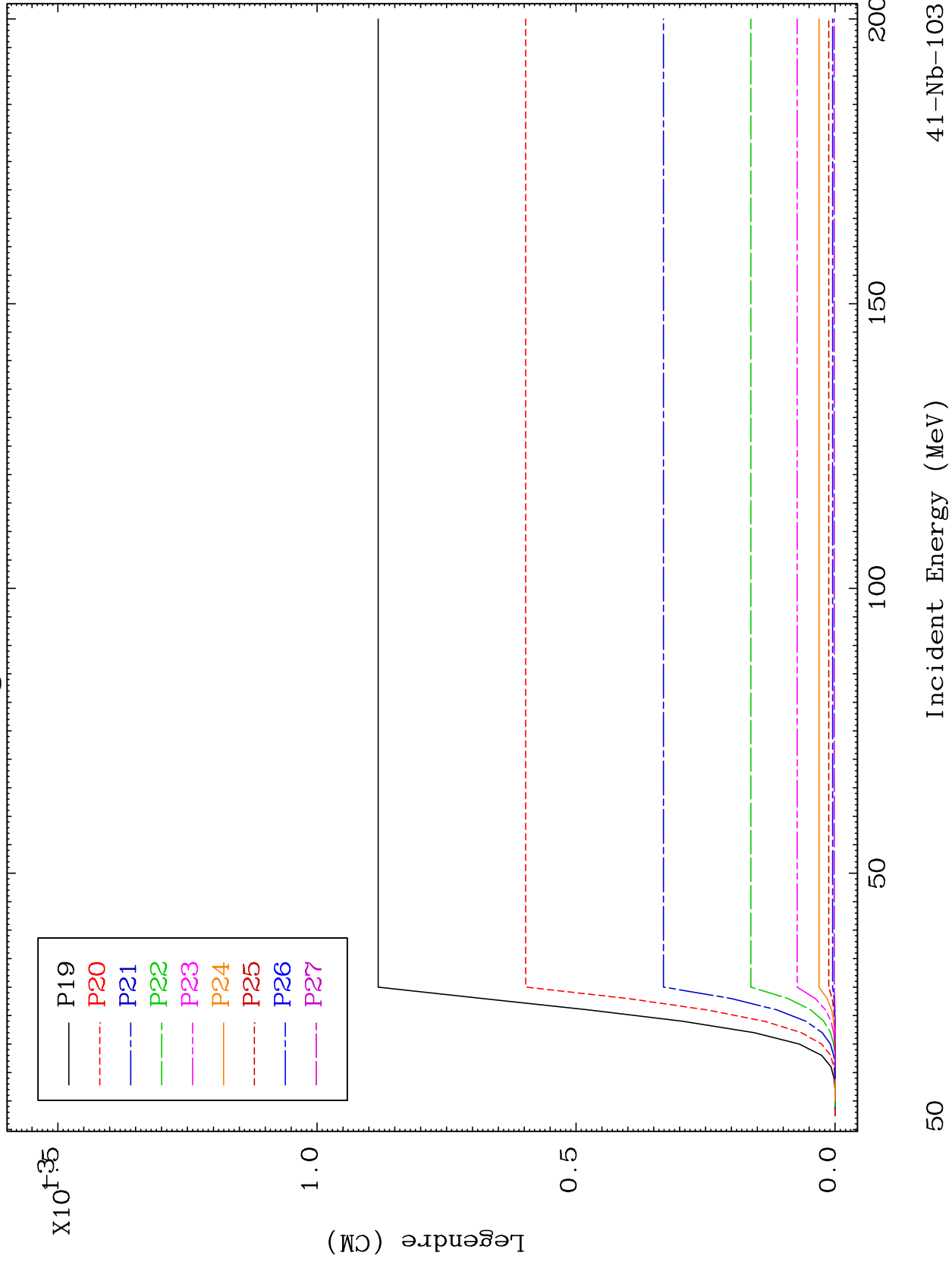
Incident Energy (MeV)

49

MAT 4155

503.7 keV (n,n') Level
Legendre Coefficients

41-Nb-103



41-Nb-103

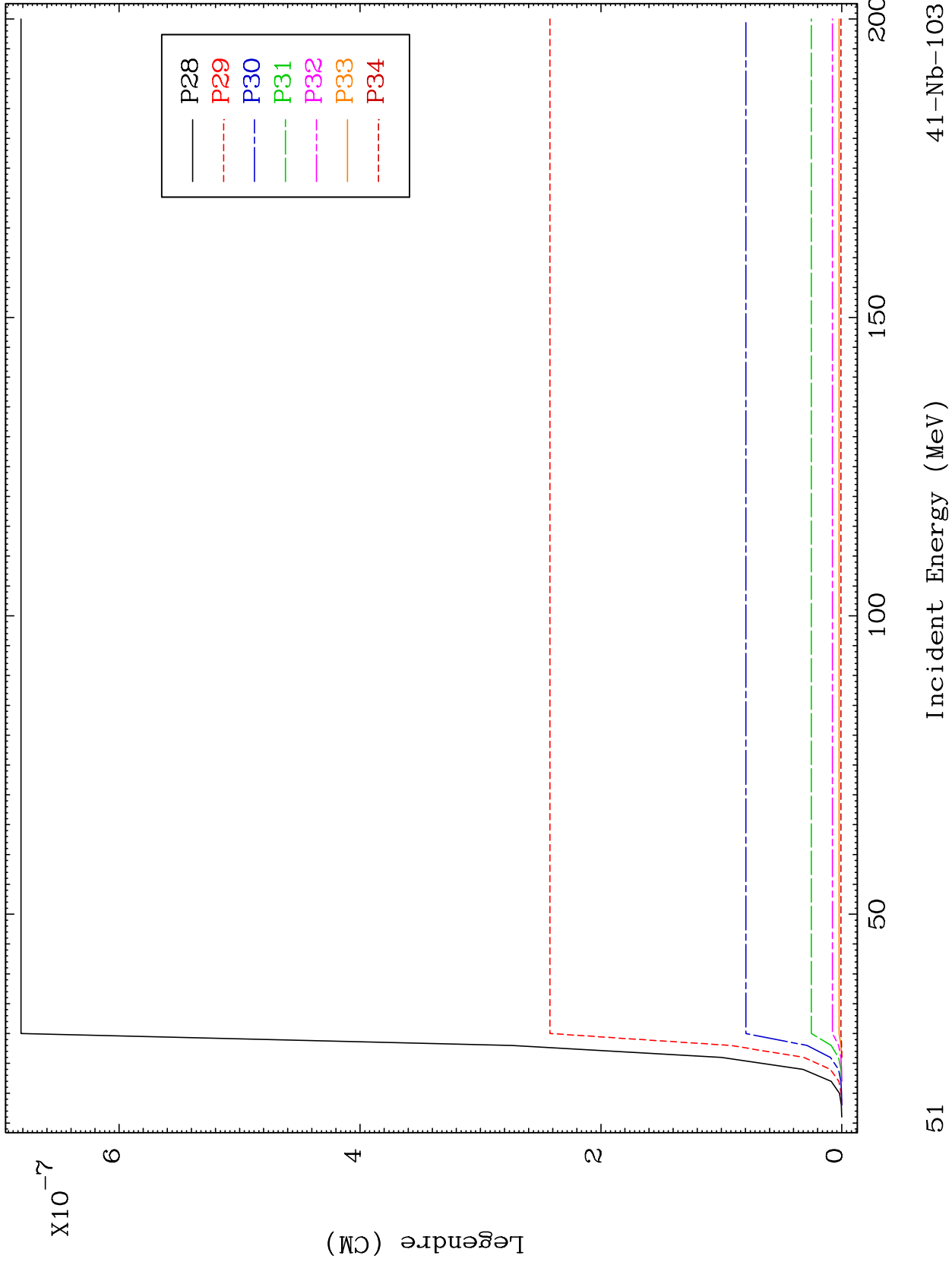
Incident Energy (MeV)

50

MAT 4155

503.7 keV (n,n') Level
Legendre Coefficients

41-Nb-103



51

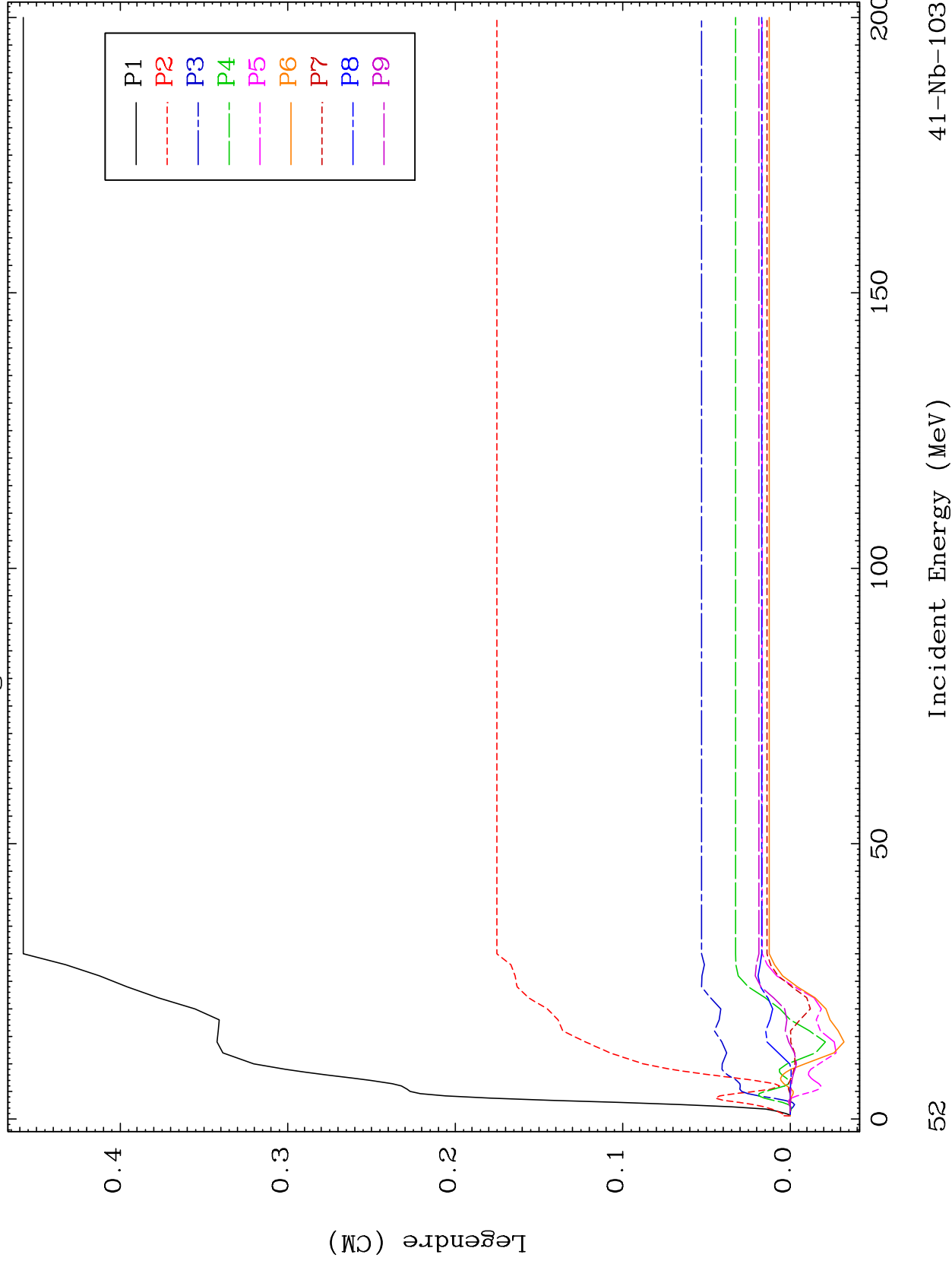
Incident Energy (MeV)

41-Nb-103

MAT 4155

533.6 keV (n,n') Level
Legendre Coefficients

41-Nb-103



41-Nb-103

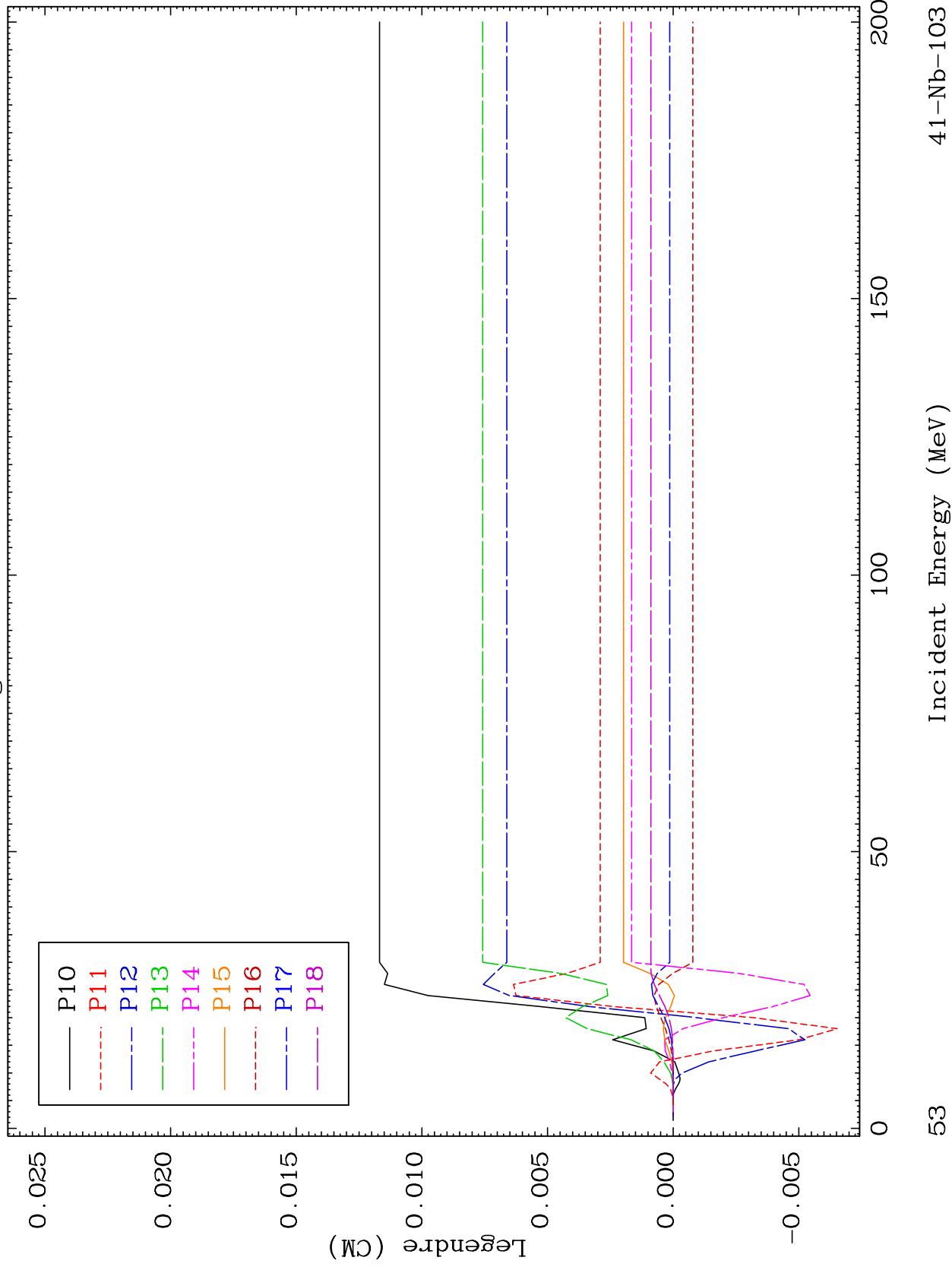
Incident Energy (MeV)

52

MAT 4155

533.6 keV (n,n') Level
Legendre Coefficients

41-Nb-103



53

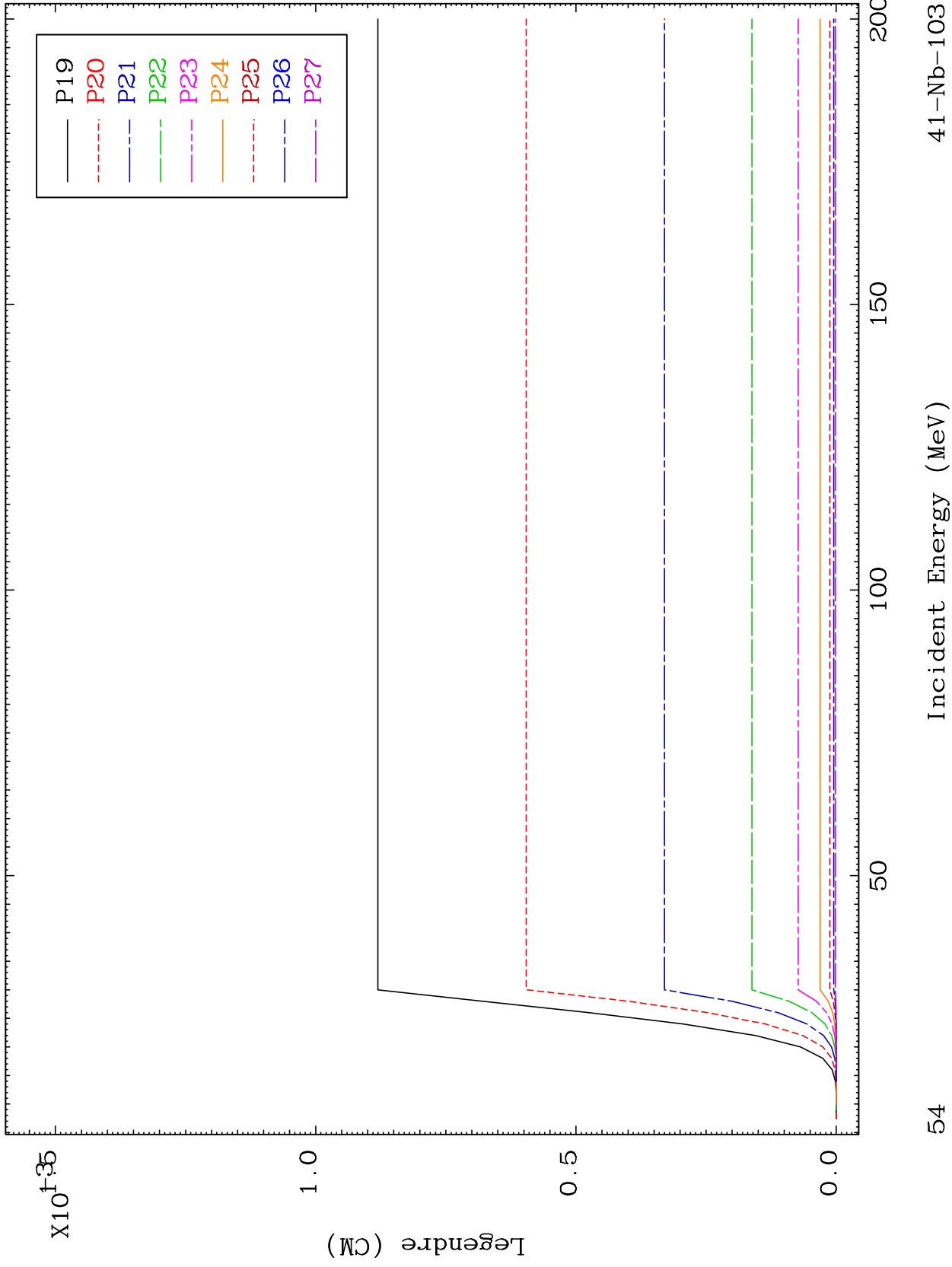
Incident Energy (MeV)

41-Nb-103

MAT 4155

533.6 keV (n,n') Level
Legendre Coefficients

41-Nb-103



54

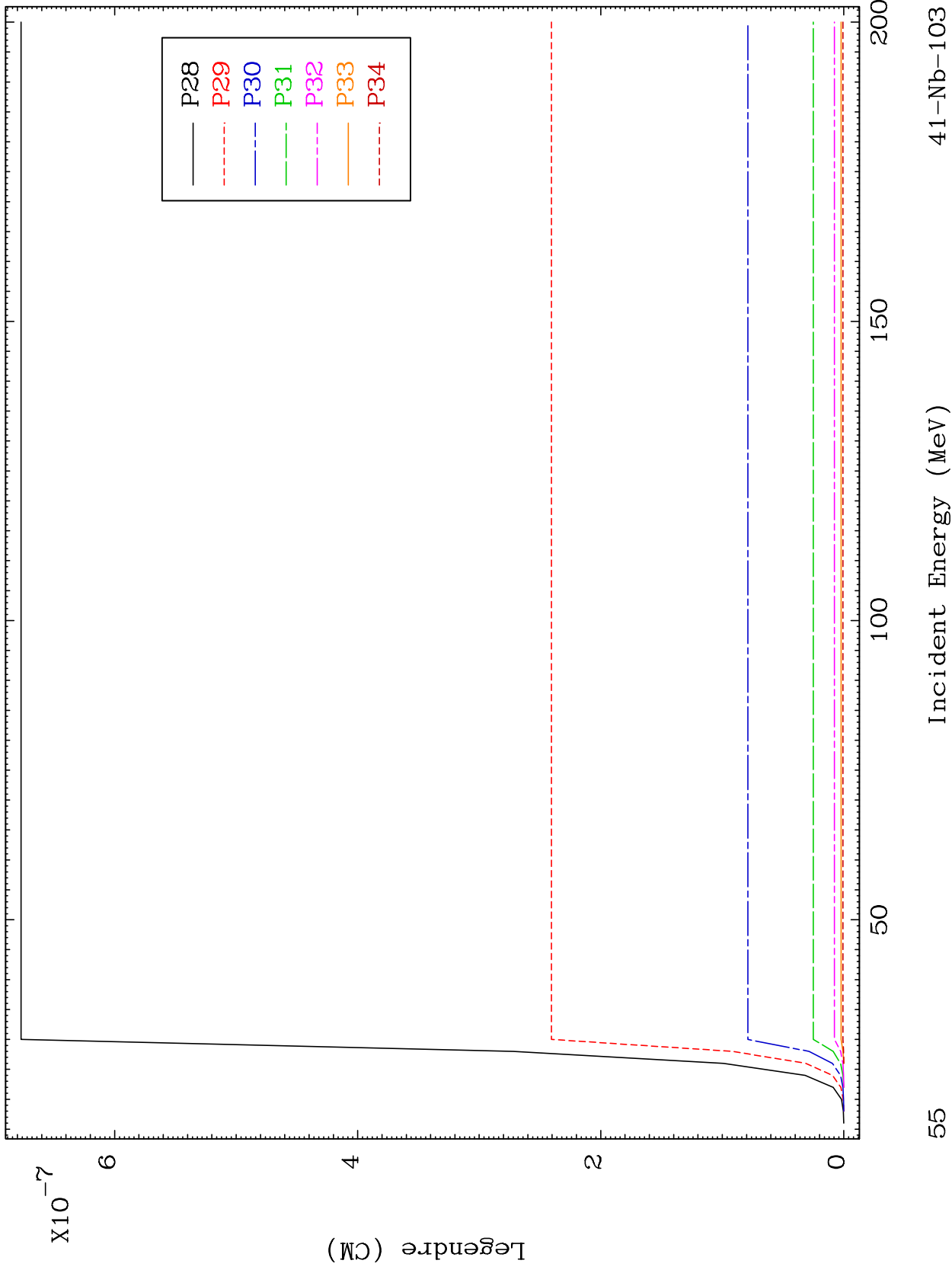
Incident Energy (MeV)

41-Nb-103

MAT 4155

533.6 keV (n,n') Level
Legendre Coefficients

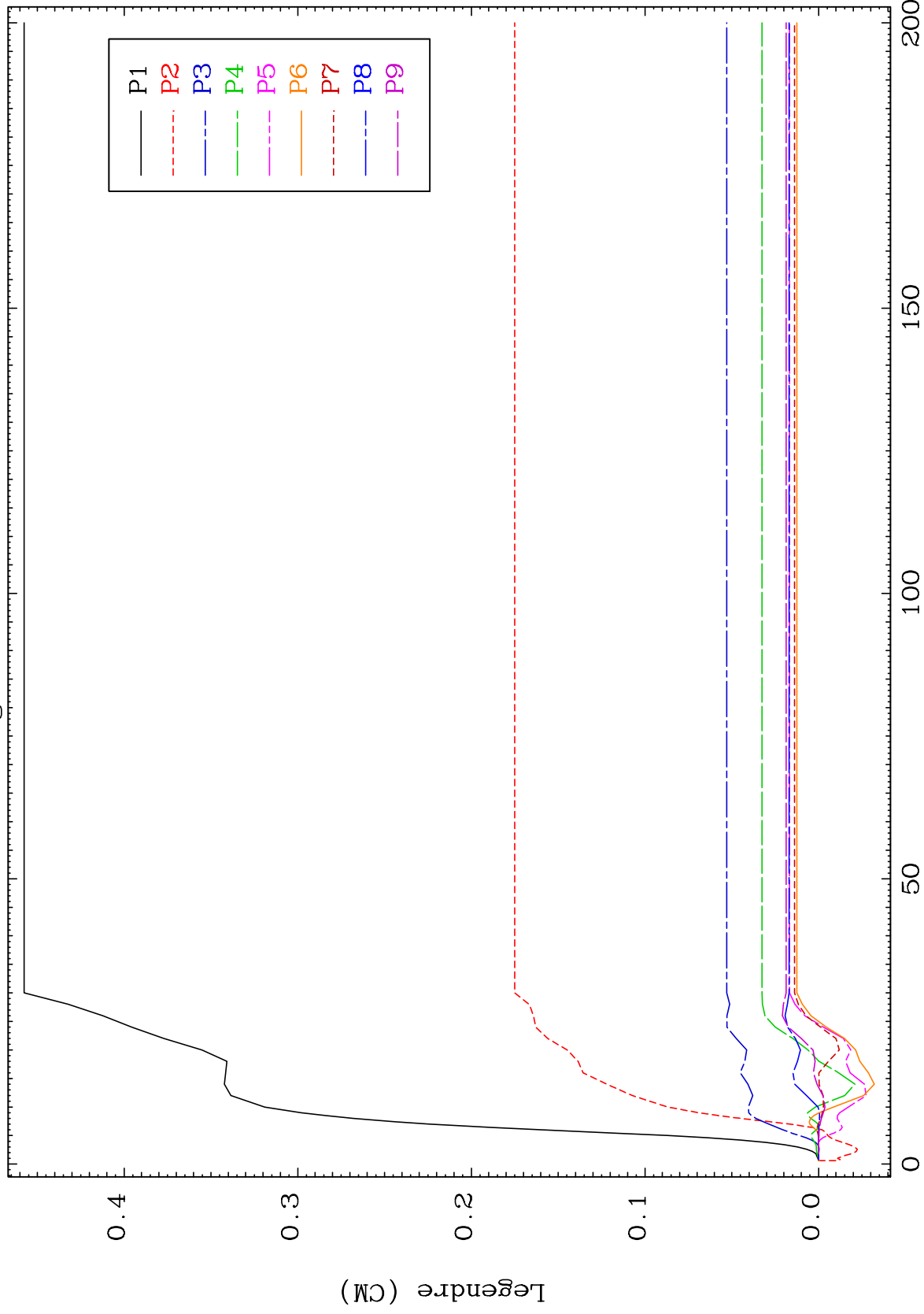
41-Nb-103



MAT 4155

580.0 keV (n,n') Level
Legendre Coefficients

41-Nb-103



56

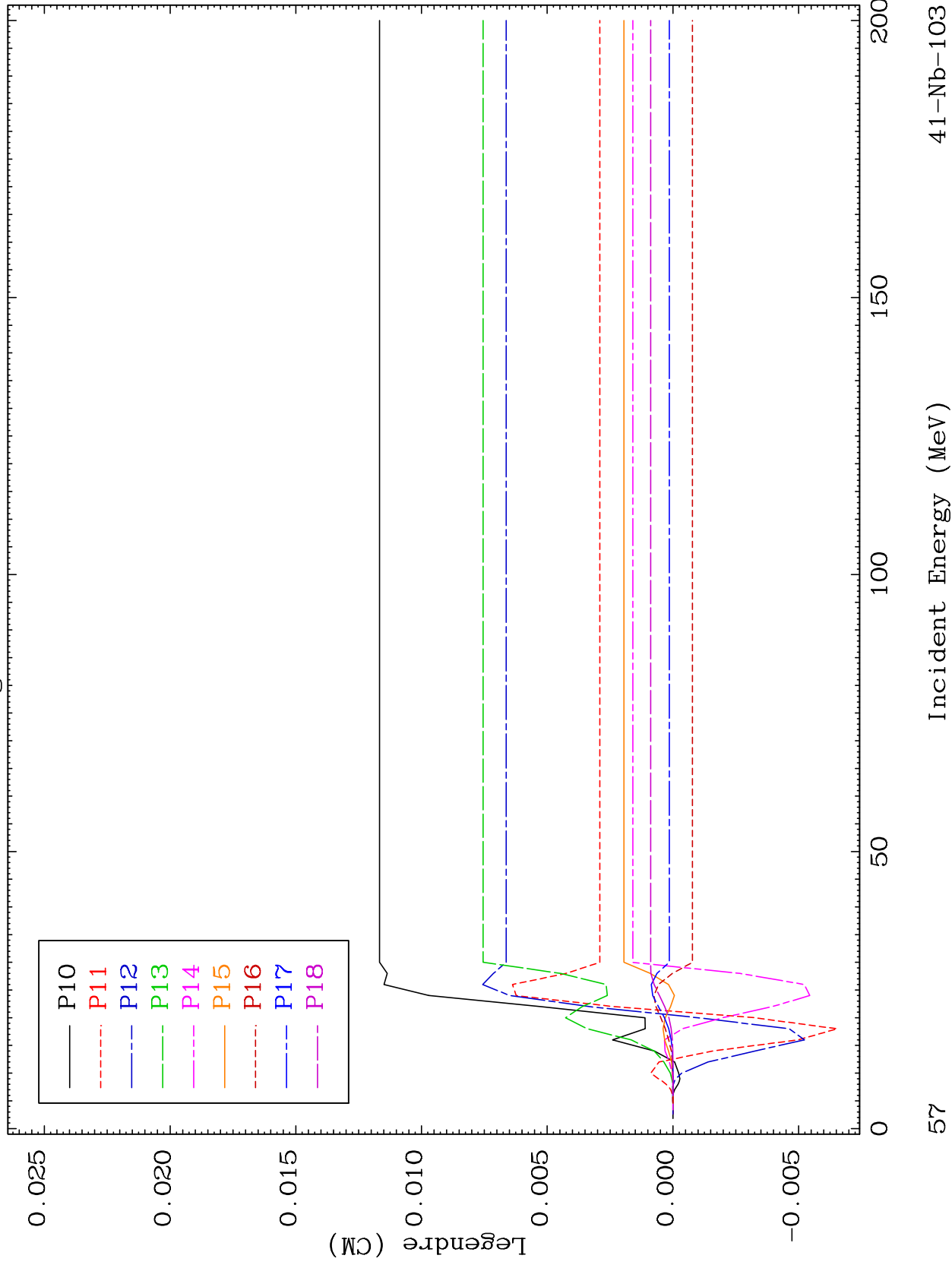
Incident Energy (MeV)

41-Nb-103

MAT 4155

580.0 keV (n,n') Level
Legendre Coefficients

41-Nb-103



57

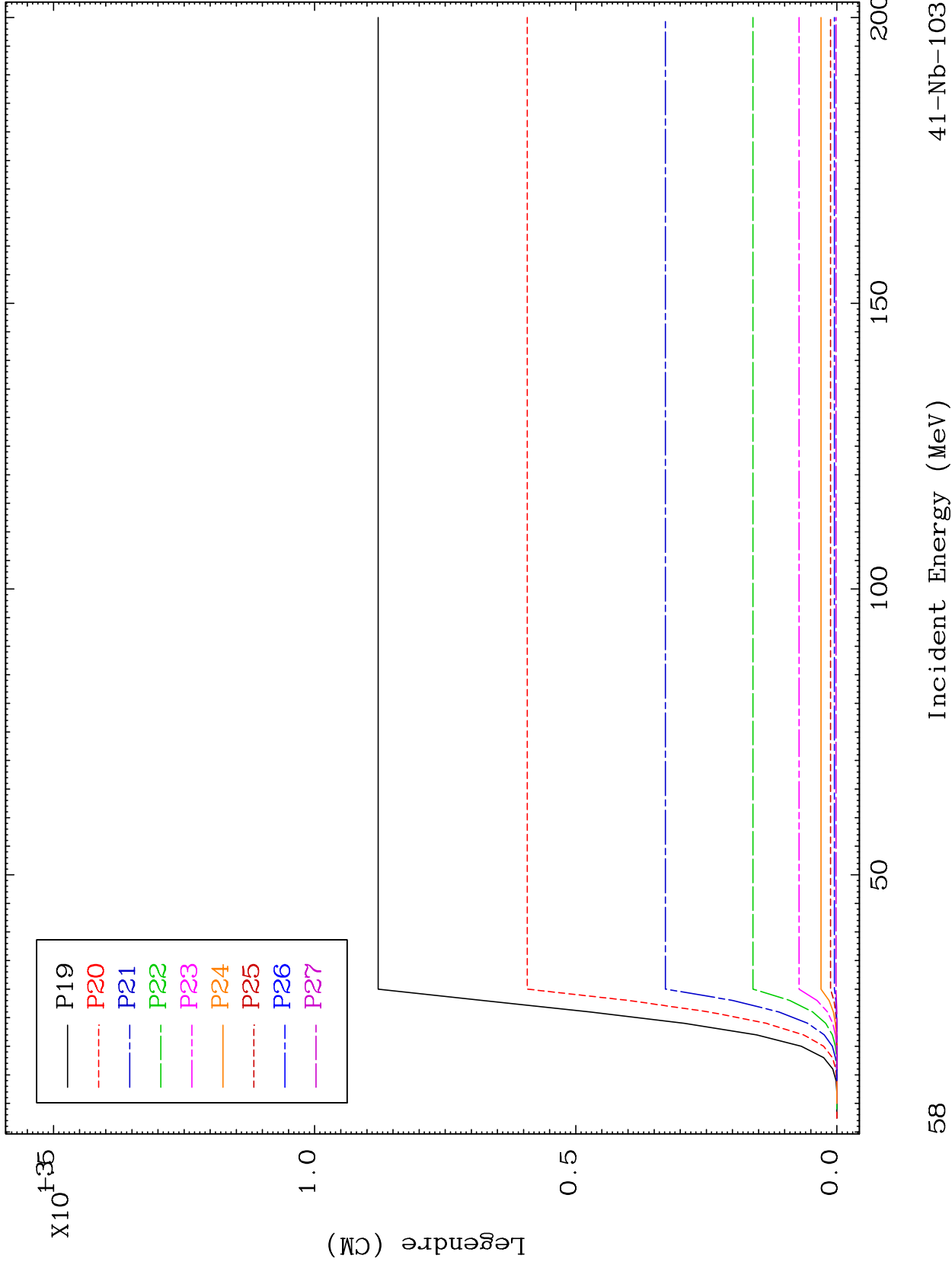
Incident Energy (MeV)

41-Nb-103

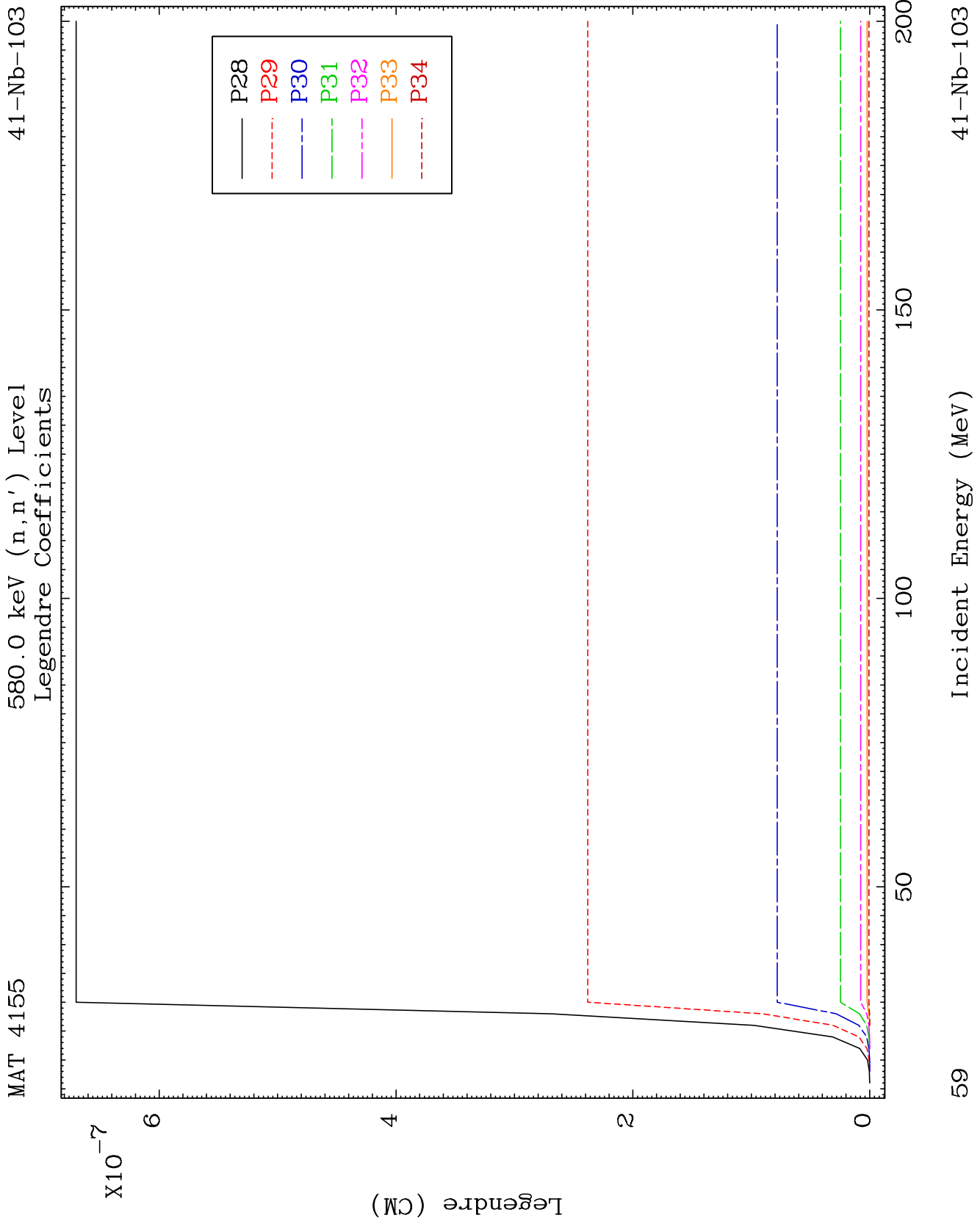
MAT 4155

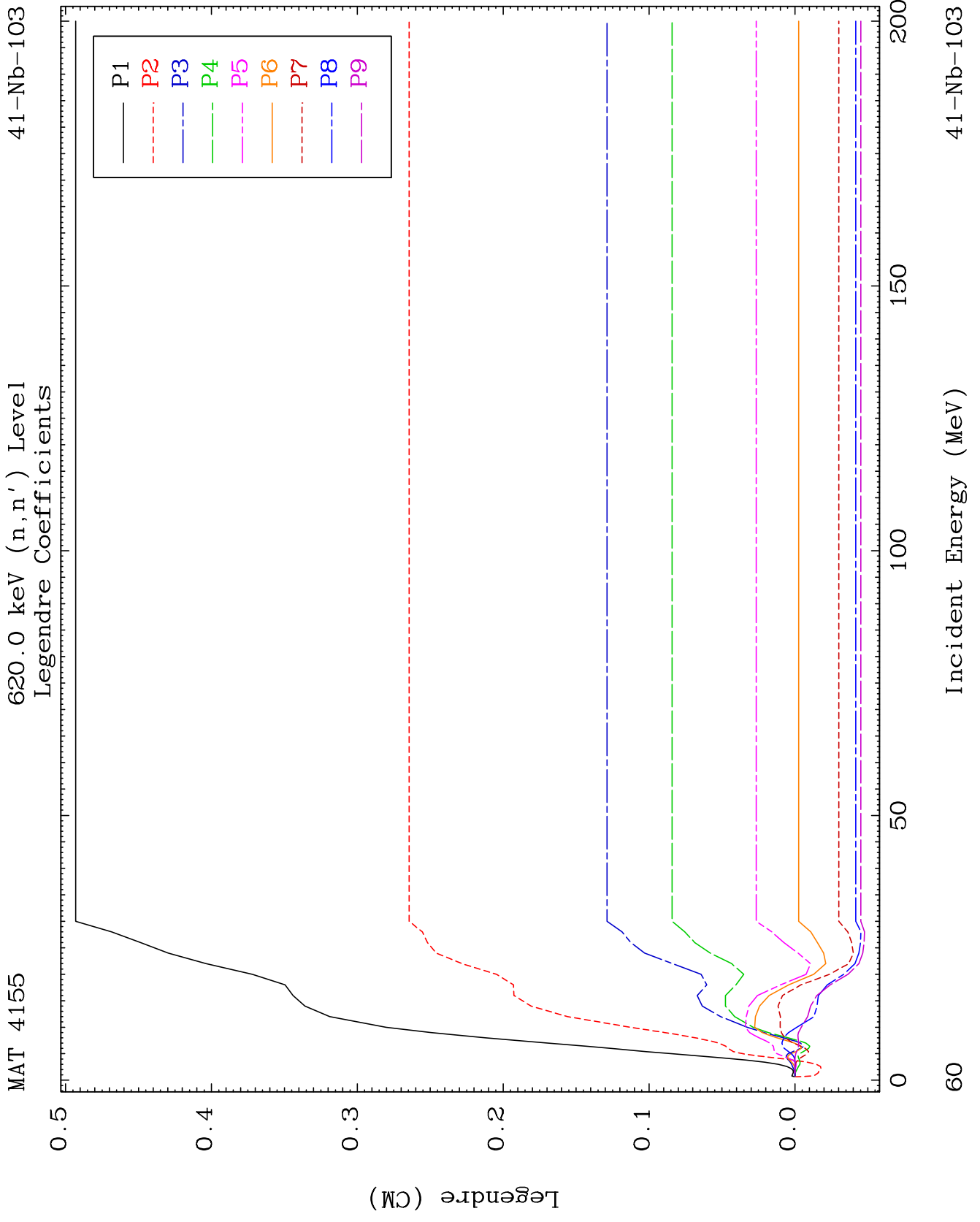
580.0 keV (n,n') Level
Legendre Coefficients

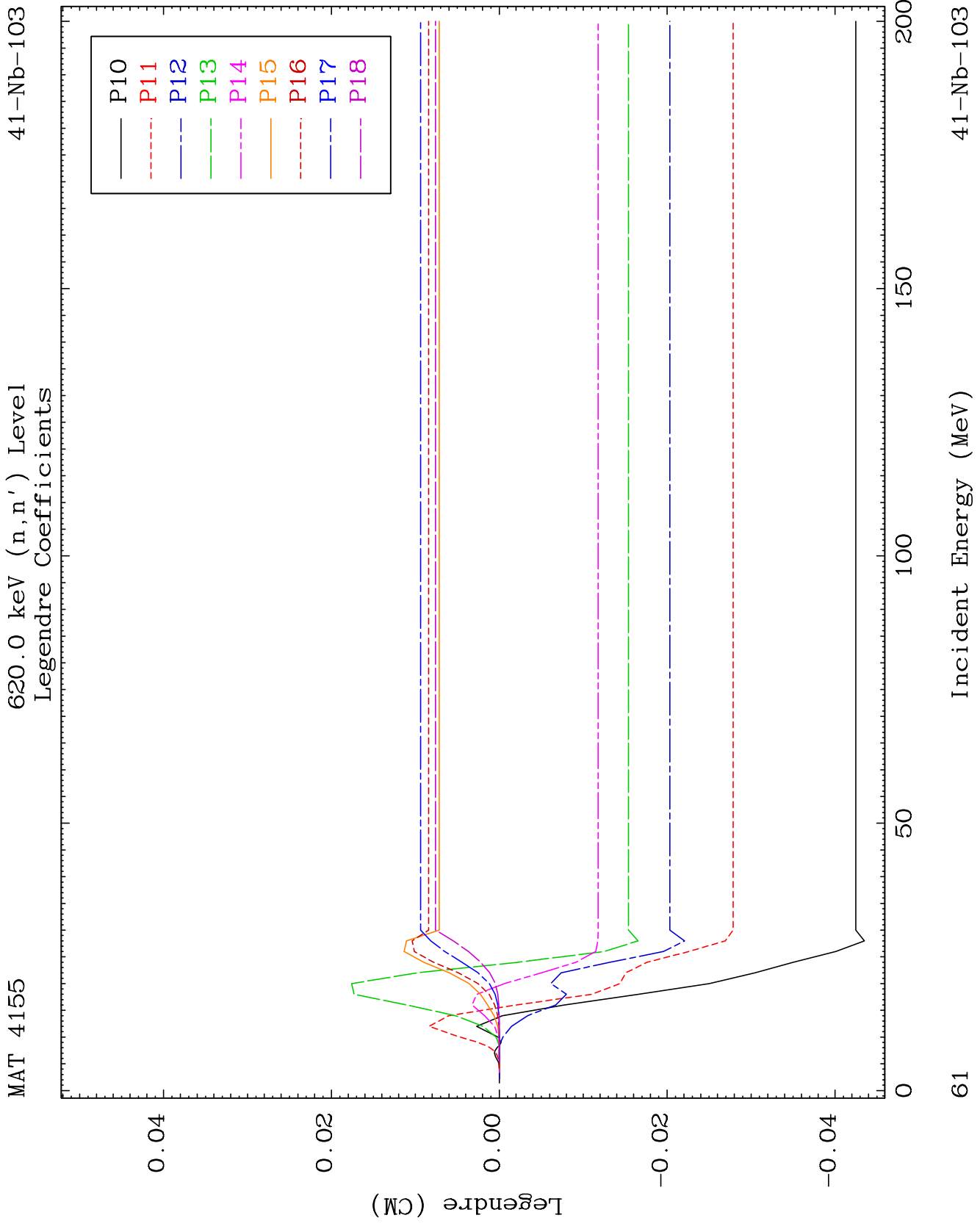
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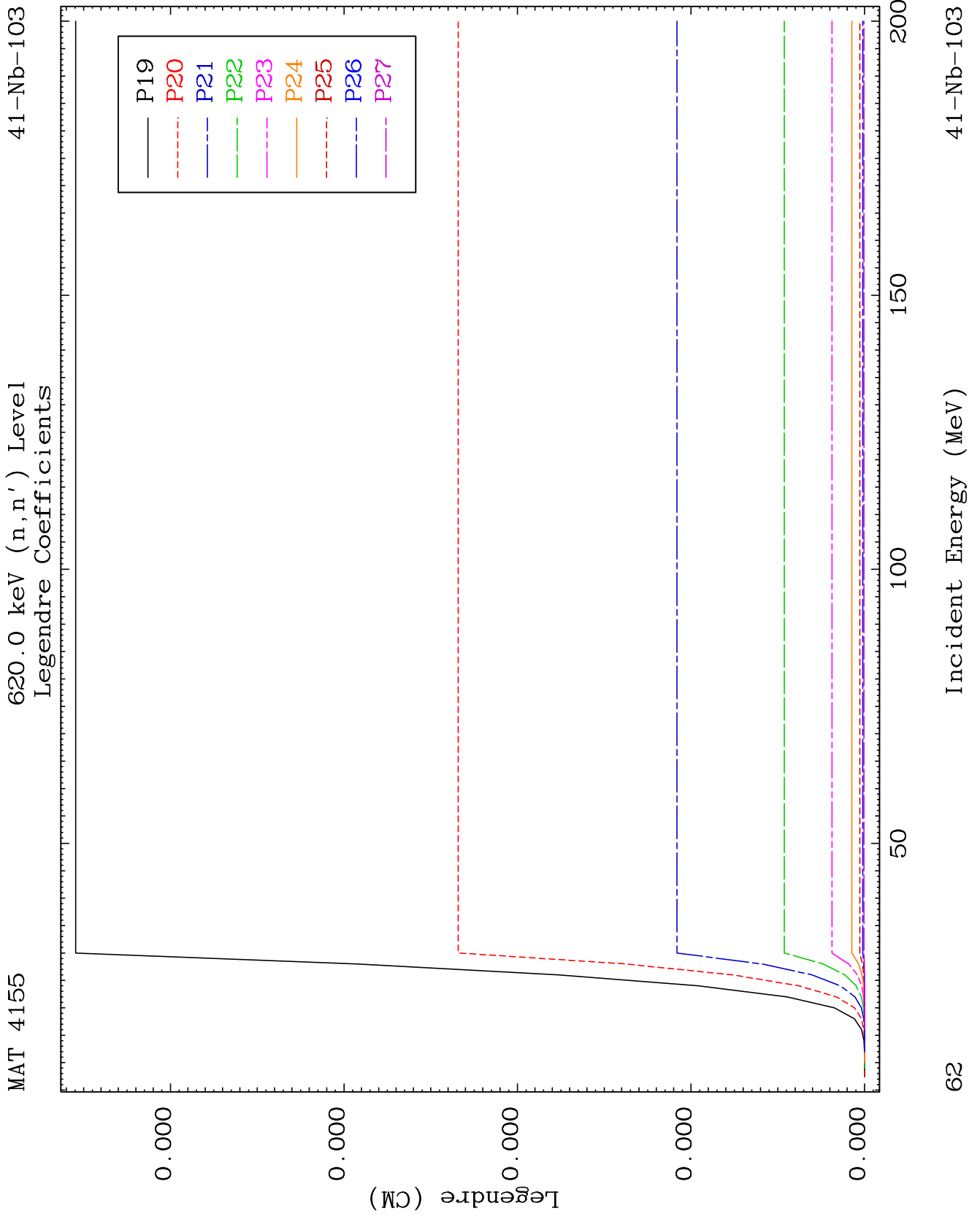


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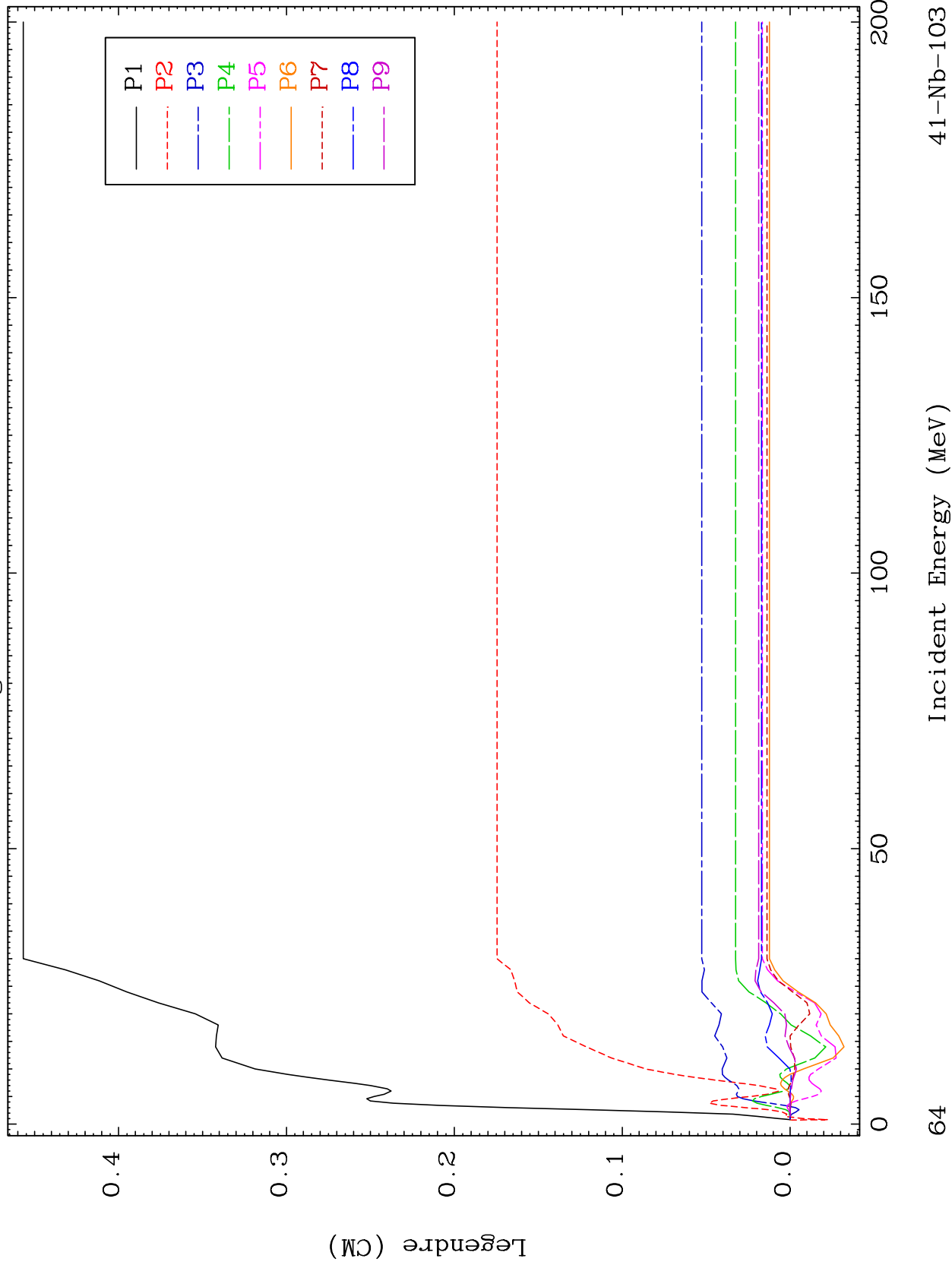




MAT 4155

720.8 keV (n,n') Level
Legendre Coefficients

41-Nb-103



41-Nb-103

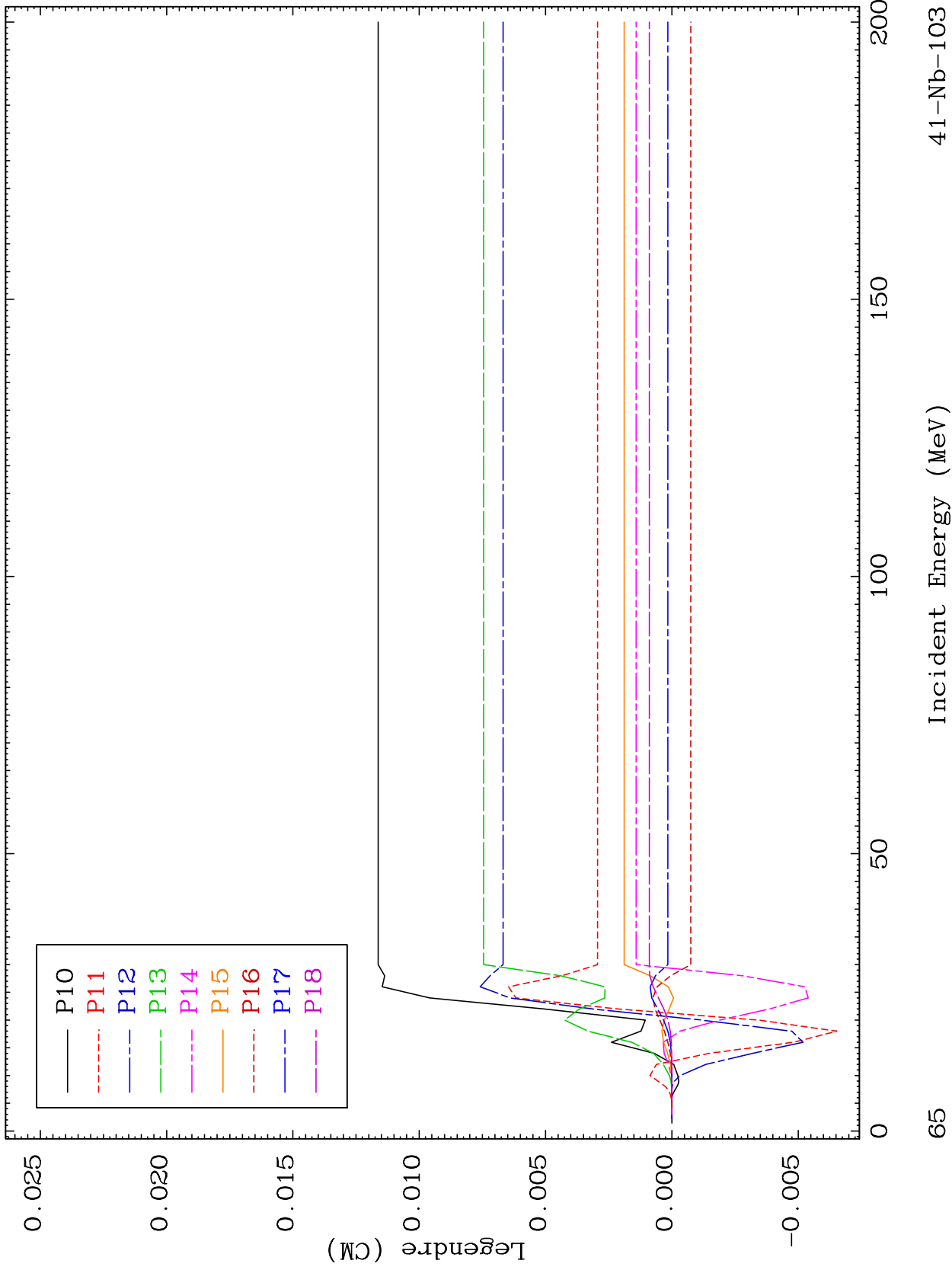
Incident Energy (MeV)

64

MAT 4155

720.8 keV (n,n') Level
Legendre Coefficients

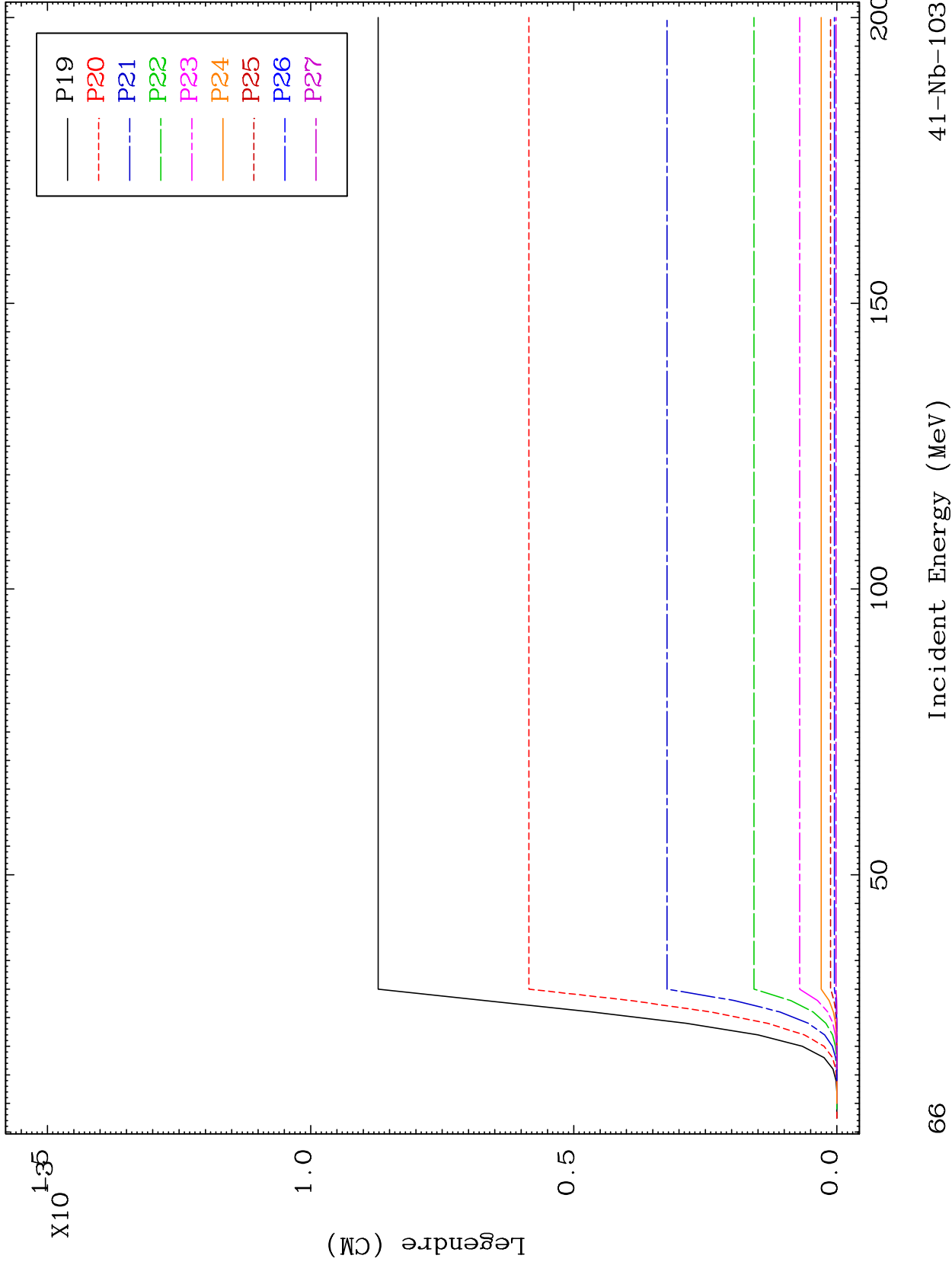
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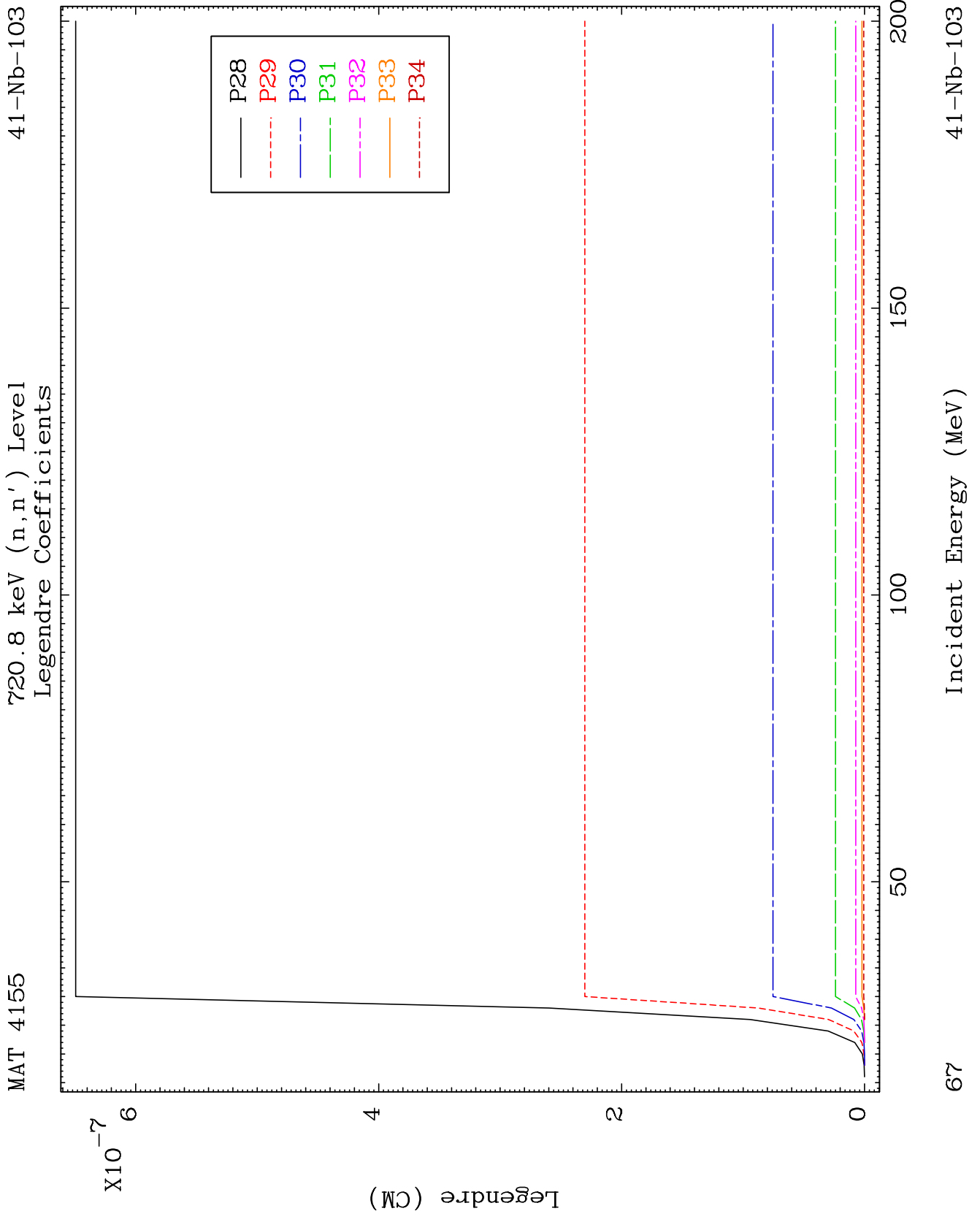


41-Nb-103

Incident Energy (MeV)

65

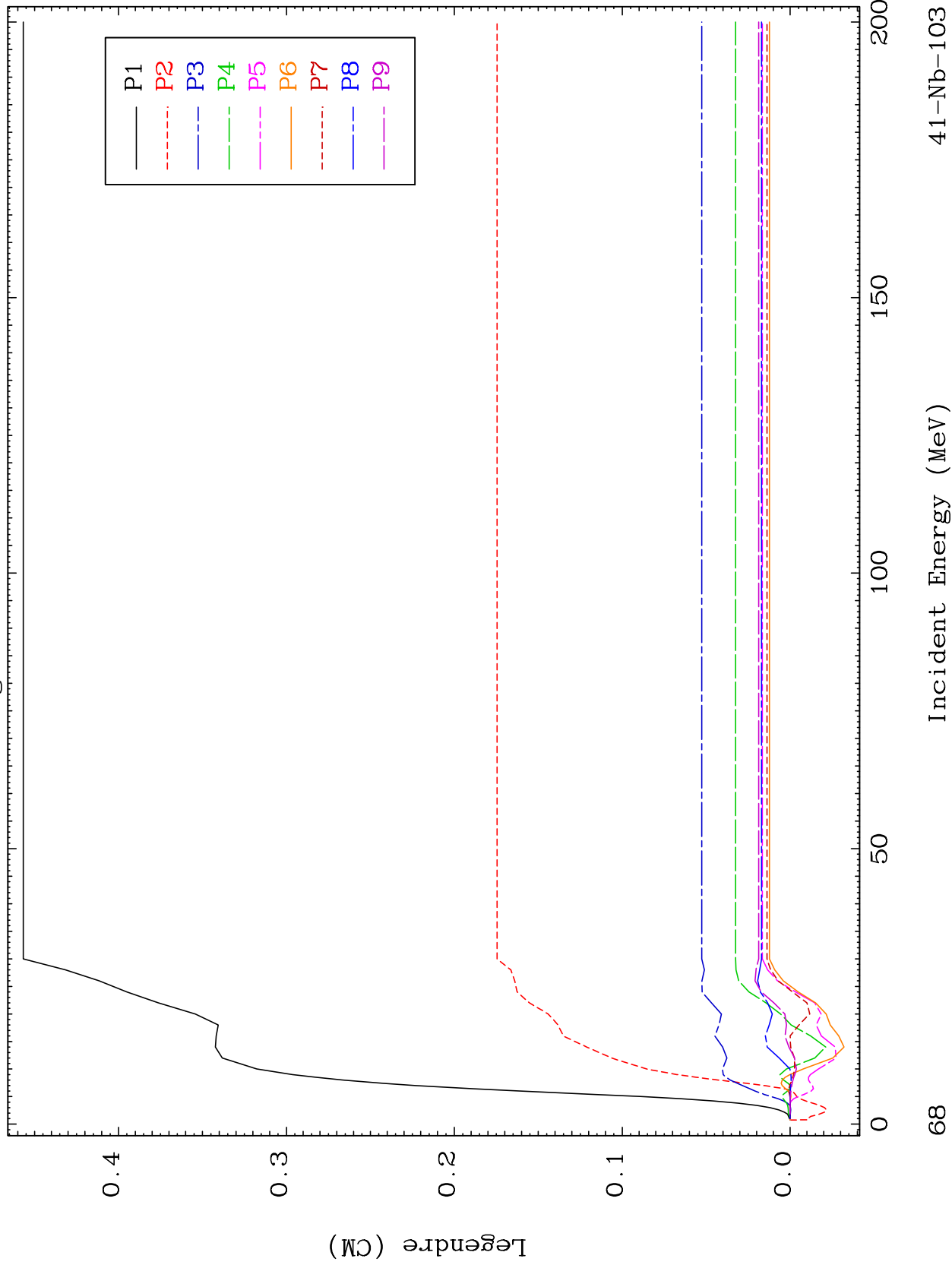




MAT 4155

729.8 keV (n,n') Level
Legendre Coefficients

41-Nb-103



41-Nb-103

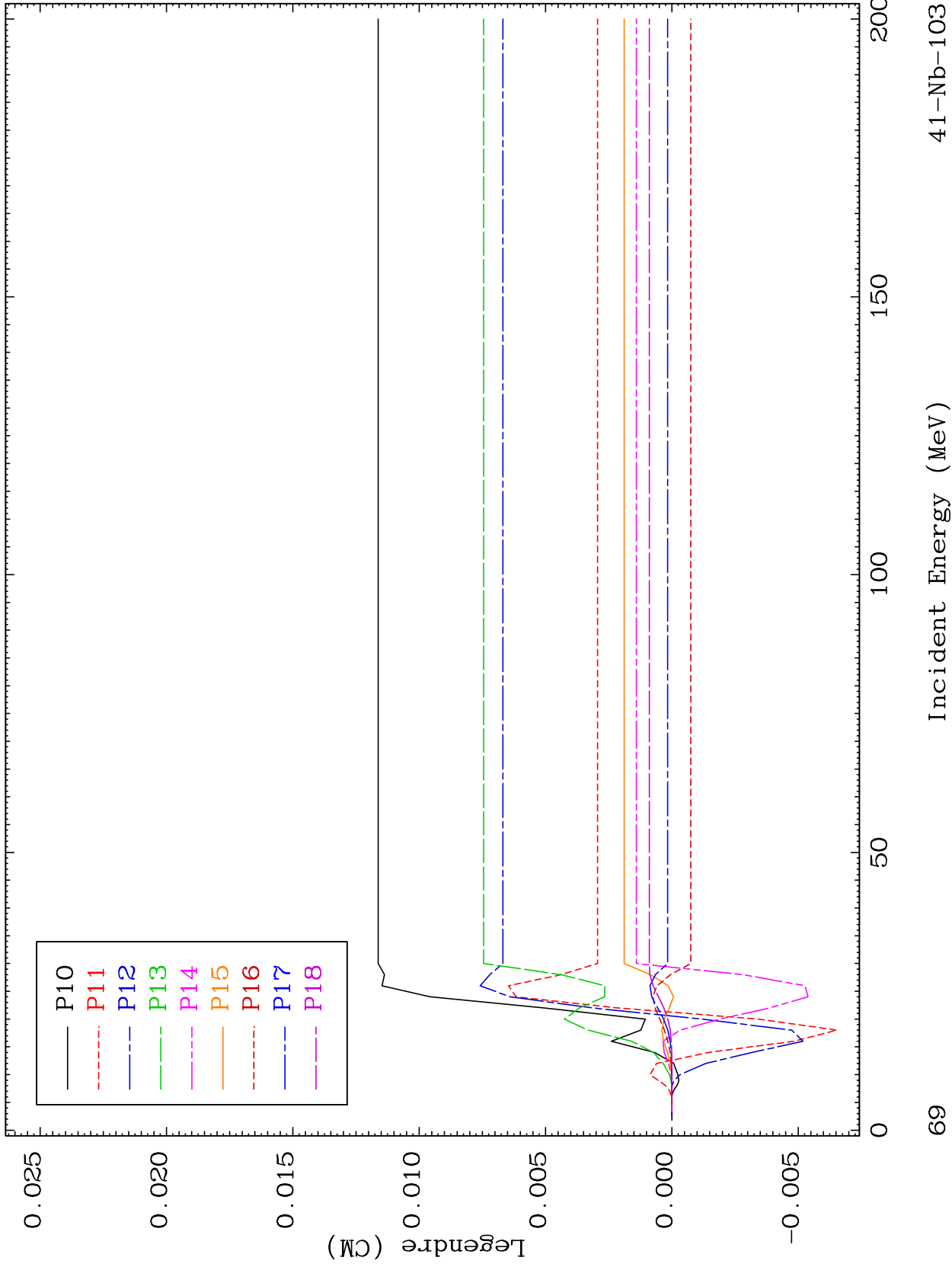
Incident Energy (MeV)

68

MAT 4155

729.8 keV (n,n') Level
Legendre Coefficients

41-Nb-103



69

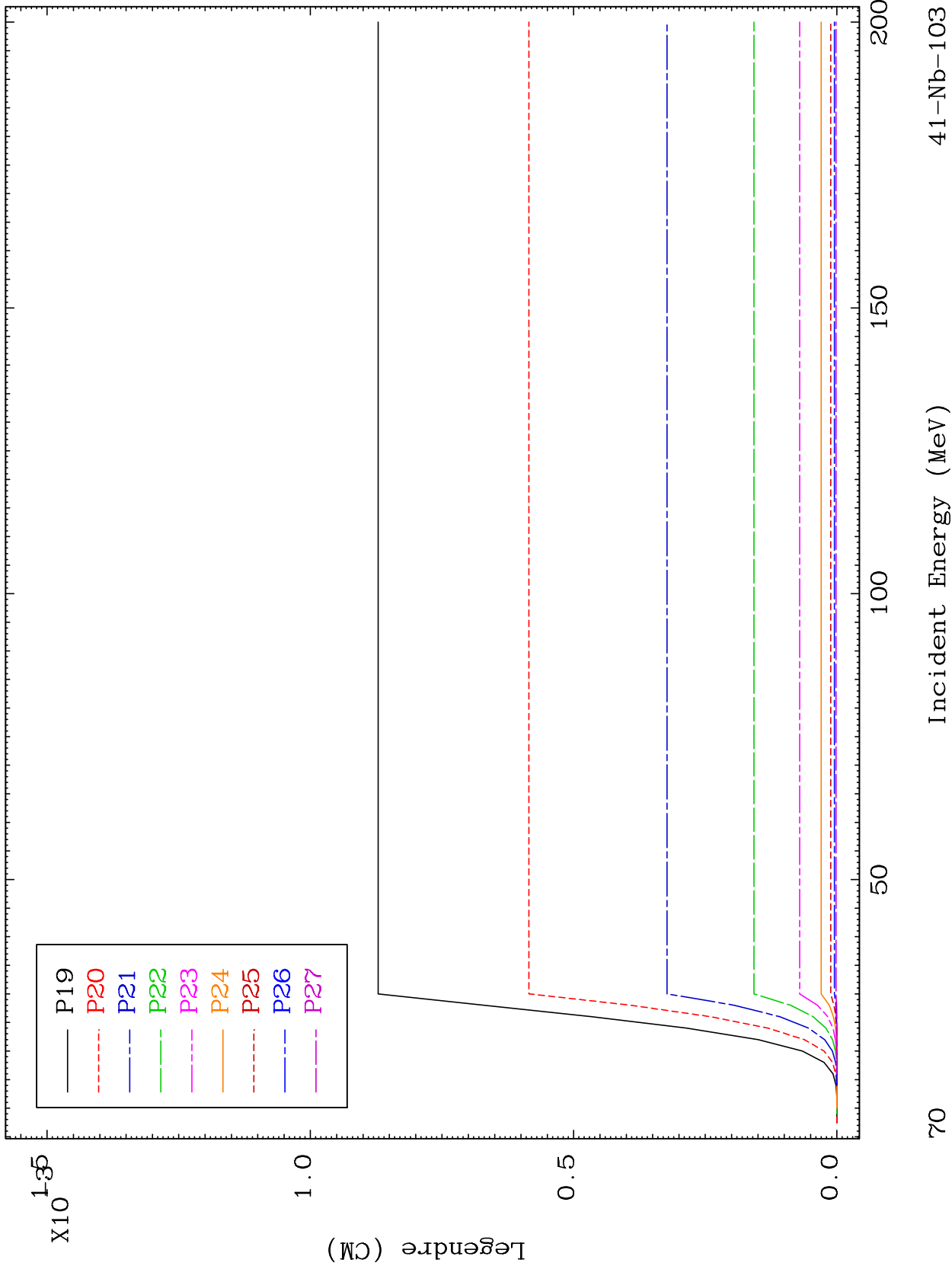
Incident Energy (MeV)

41-Nb-103

MAT 4155

729.8 keV (n, n') Level
Legendre Coefficients

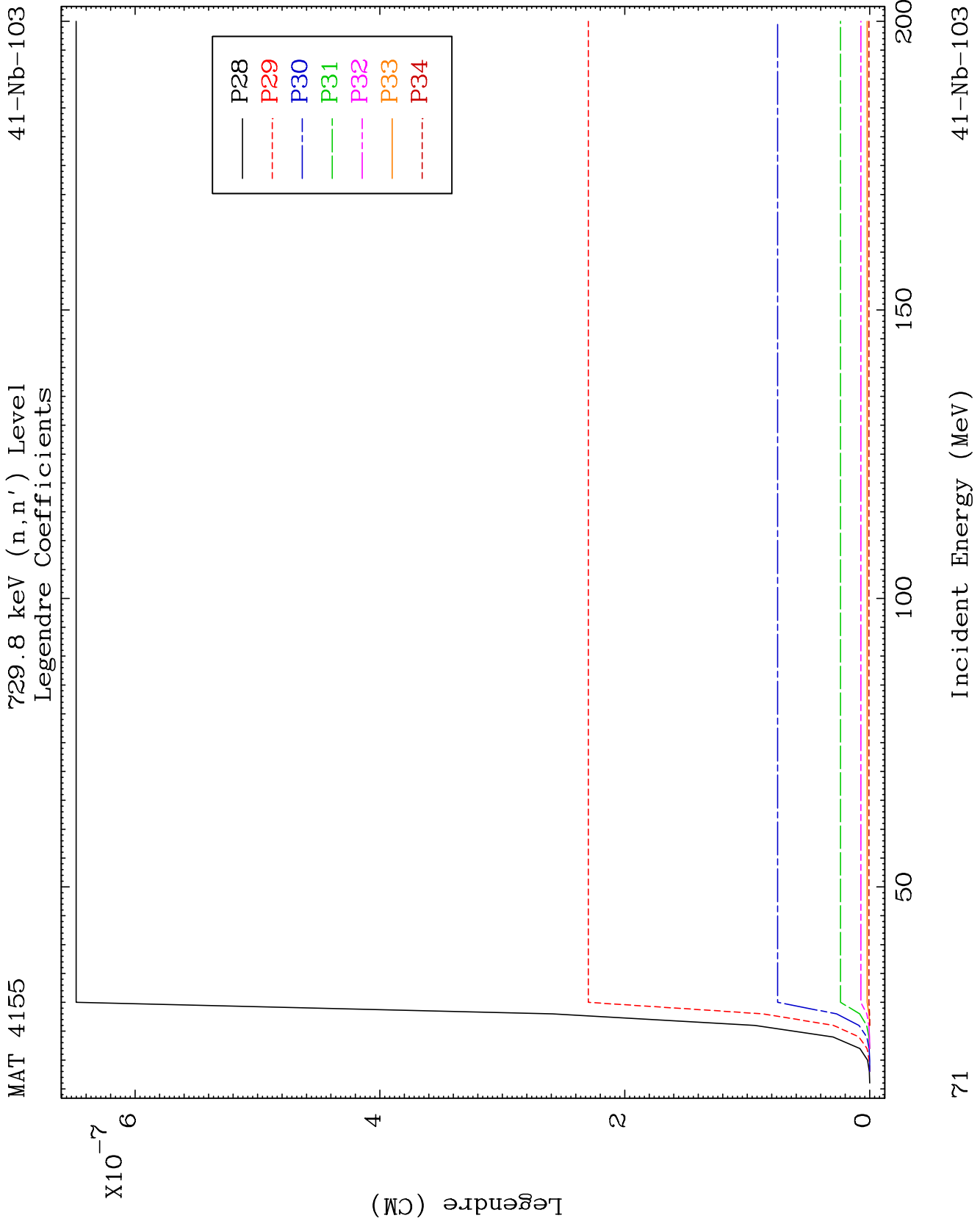
41-Nb-103



70

Incident Energy (MeV)

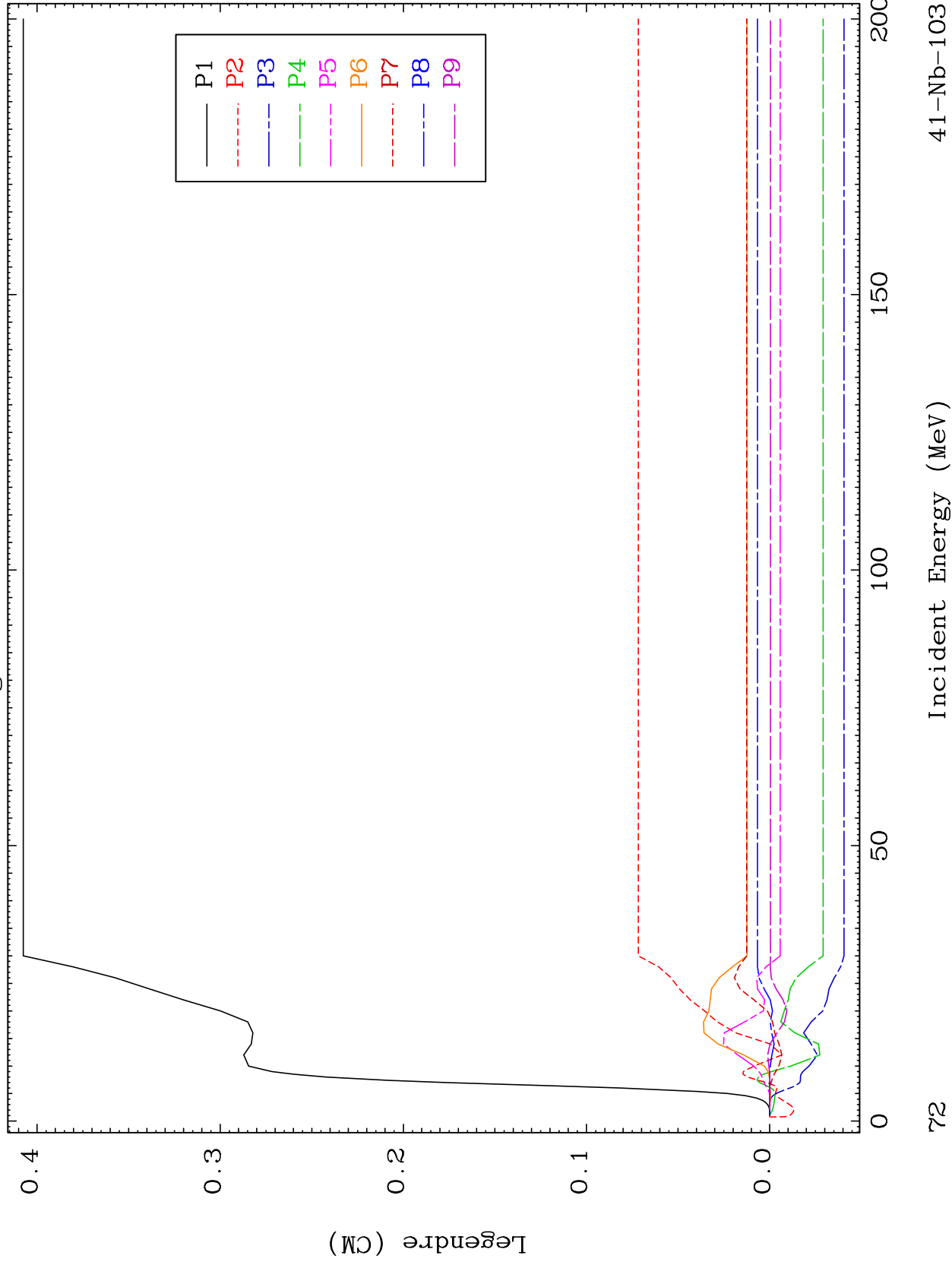
41-Nb-103



MAT 4155

733.1 keV (n,n') Level
Legendre Coefficients

41-Nb-103



72

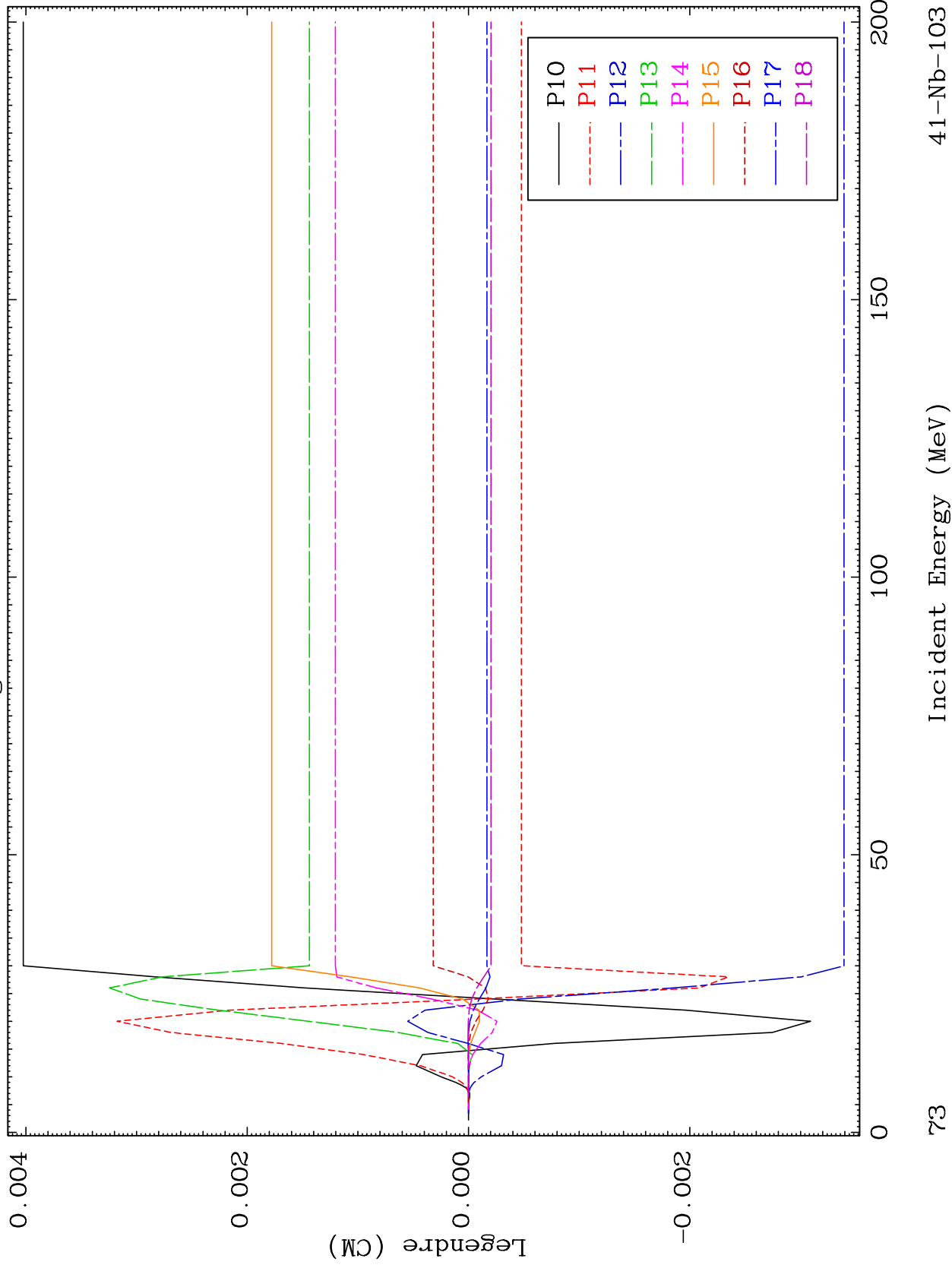
Incident Energy (MeV)

41-Nb-103

MAT 4155

733.1 keV (n,n') Level
Legendre Coefficients

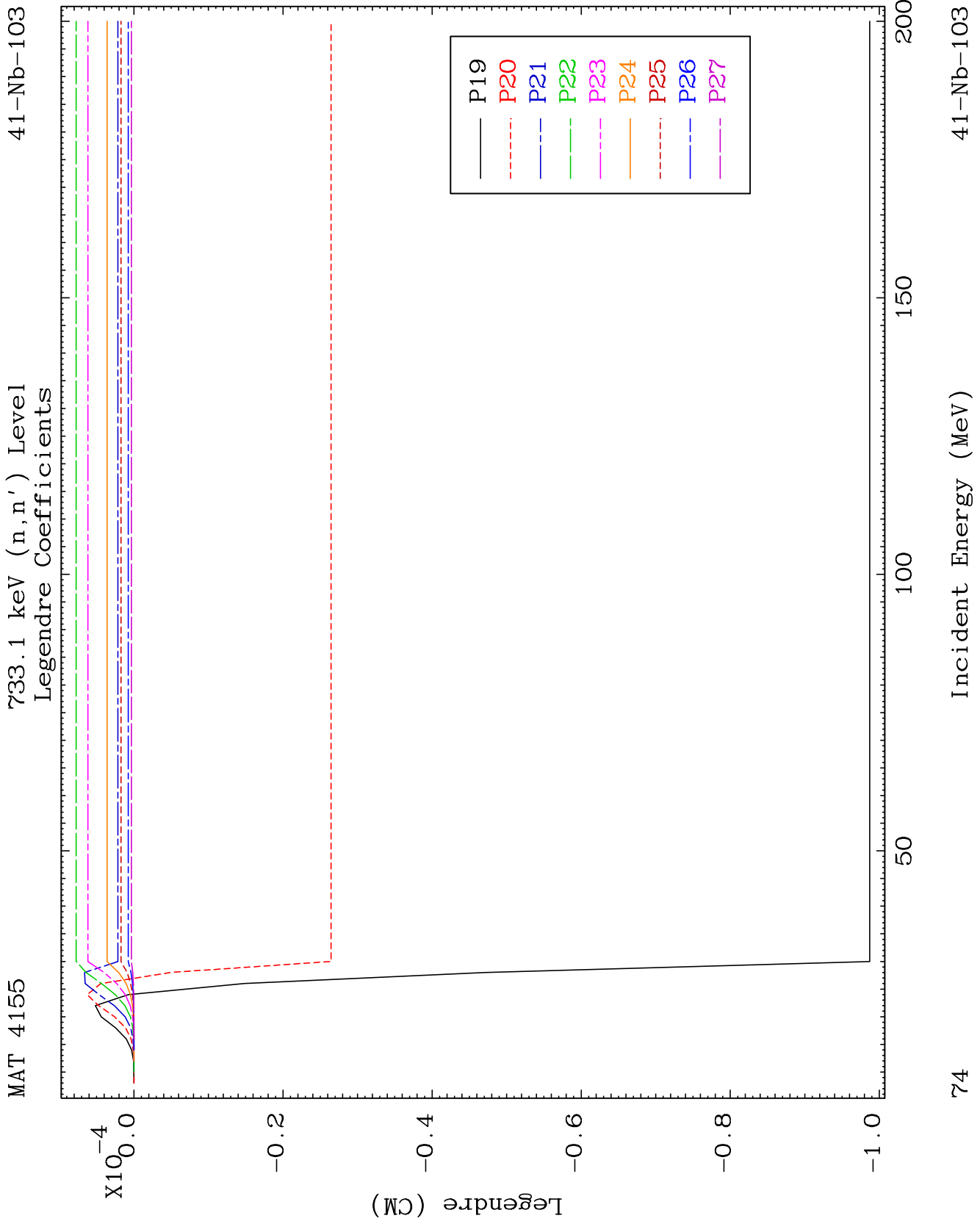
41-Nb-103



73

Incident Energy (MeV)

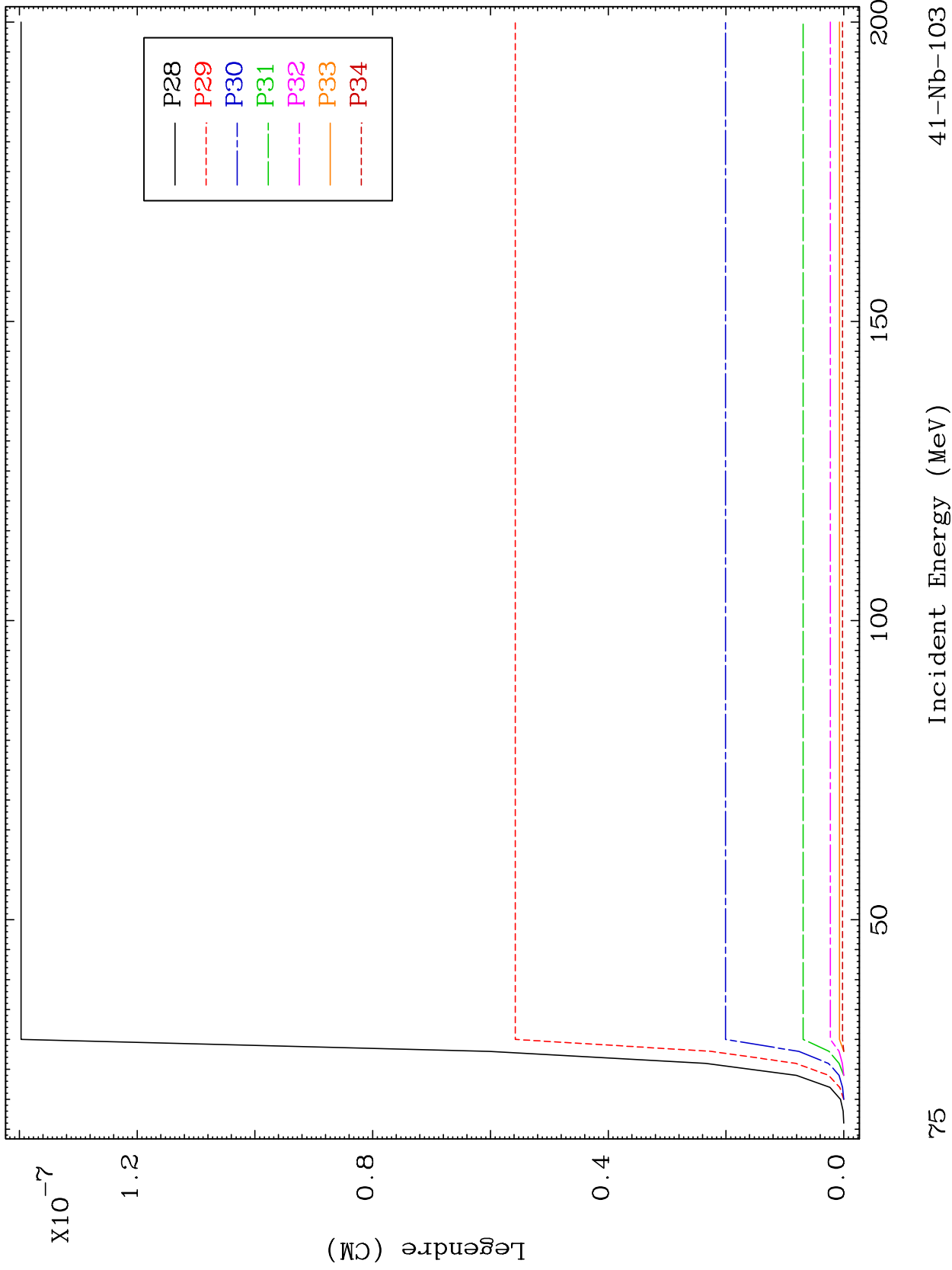
41-Nb-103



MAT 4155

733.1 keV (n,n') Level
Legendre Coefficients

41-Nb-103



75

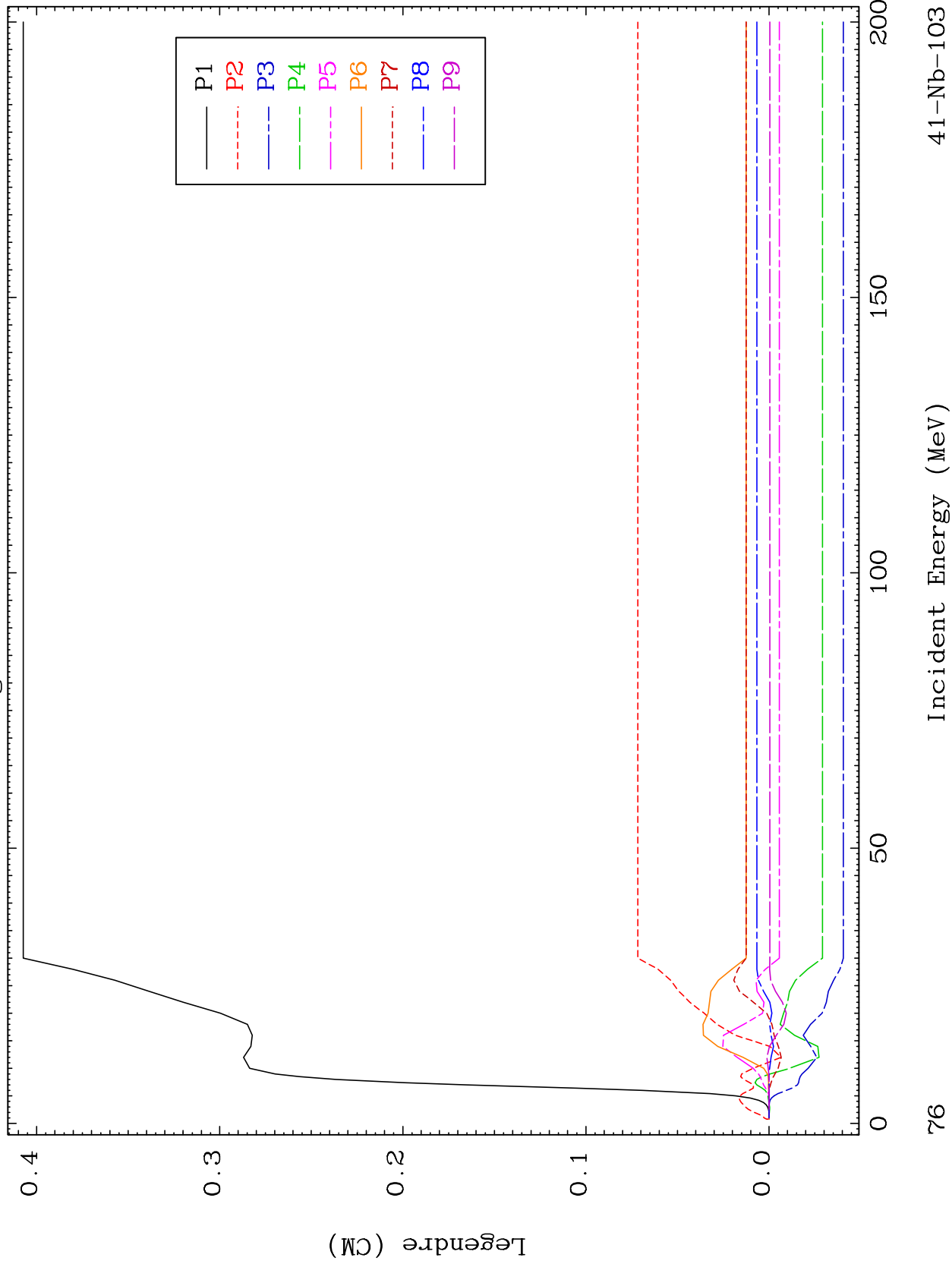
Incident Energy (MeV)

41-Nb-103

MAT 4155

763.1 keV (n,n') Level
Legendre Coefficients

41-Nb-103



41-Nb-103

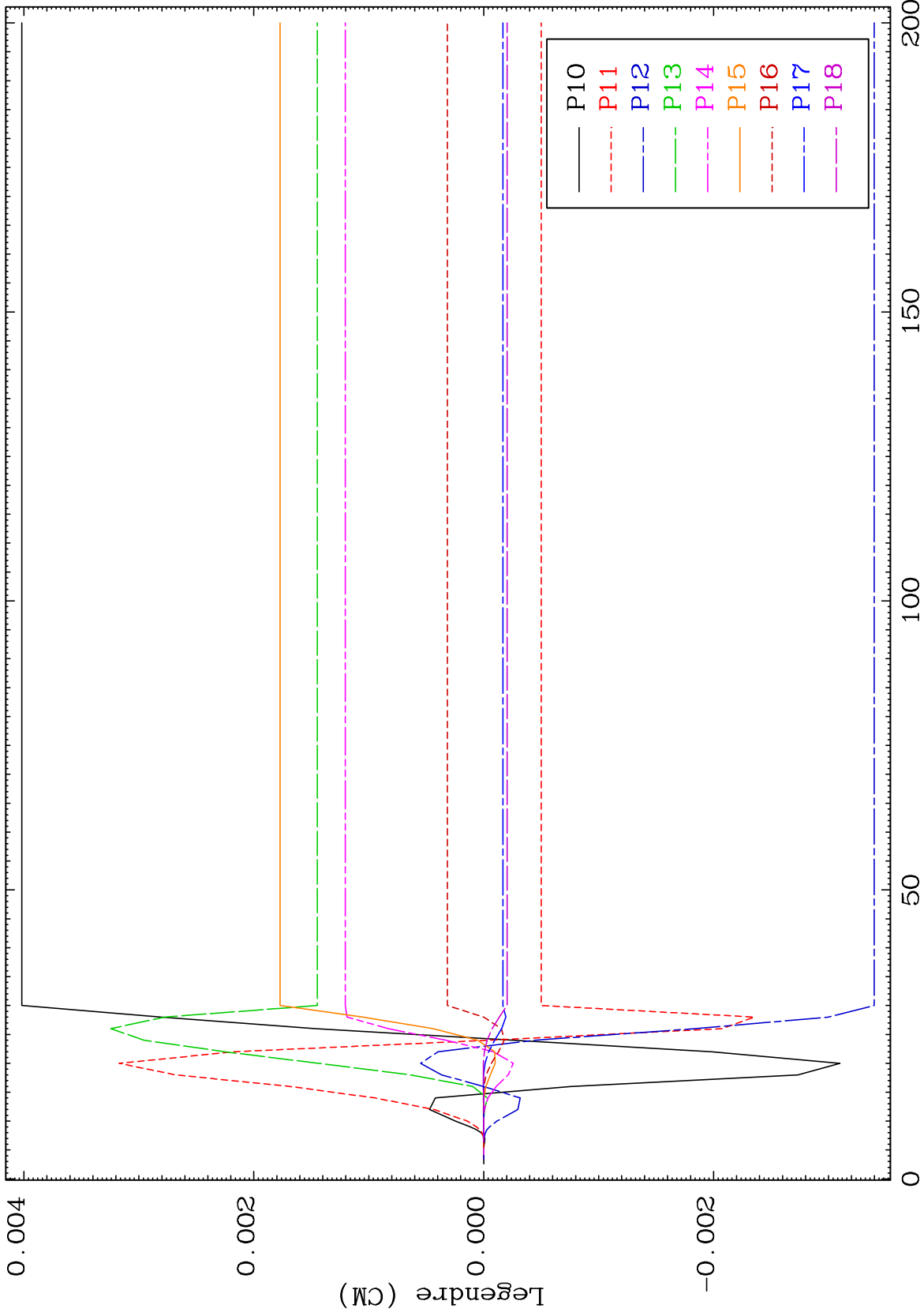
Incident Energy (MeV)

76

MAT 4155

763.1 keV (n,n') Level
Legendre Coefficients

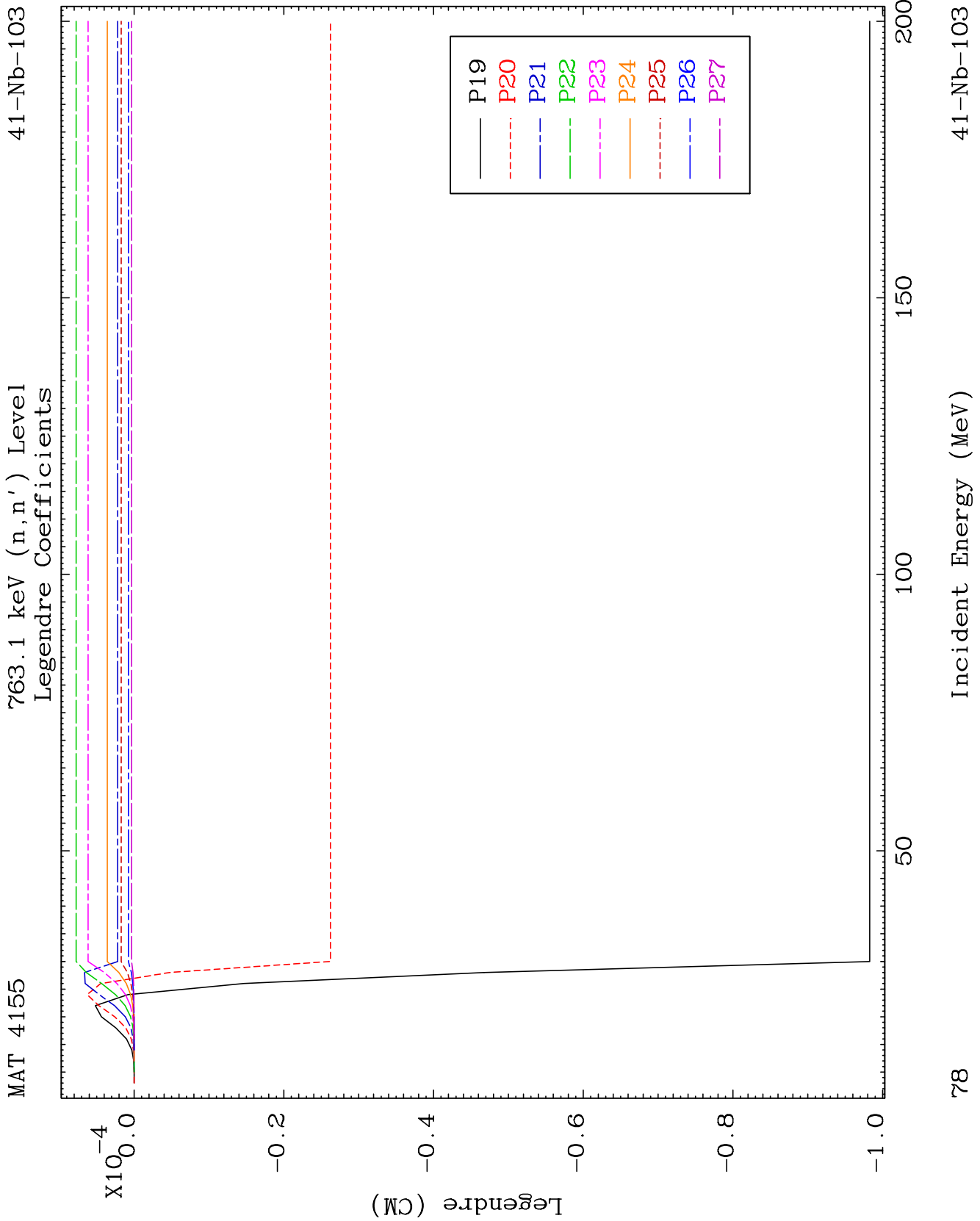
41-Nb-103



77

Incident Energy (MeV)

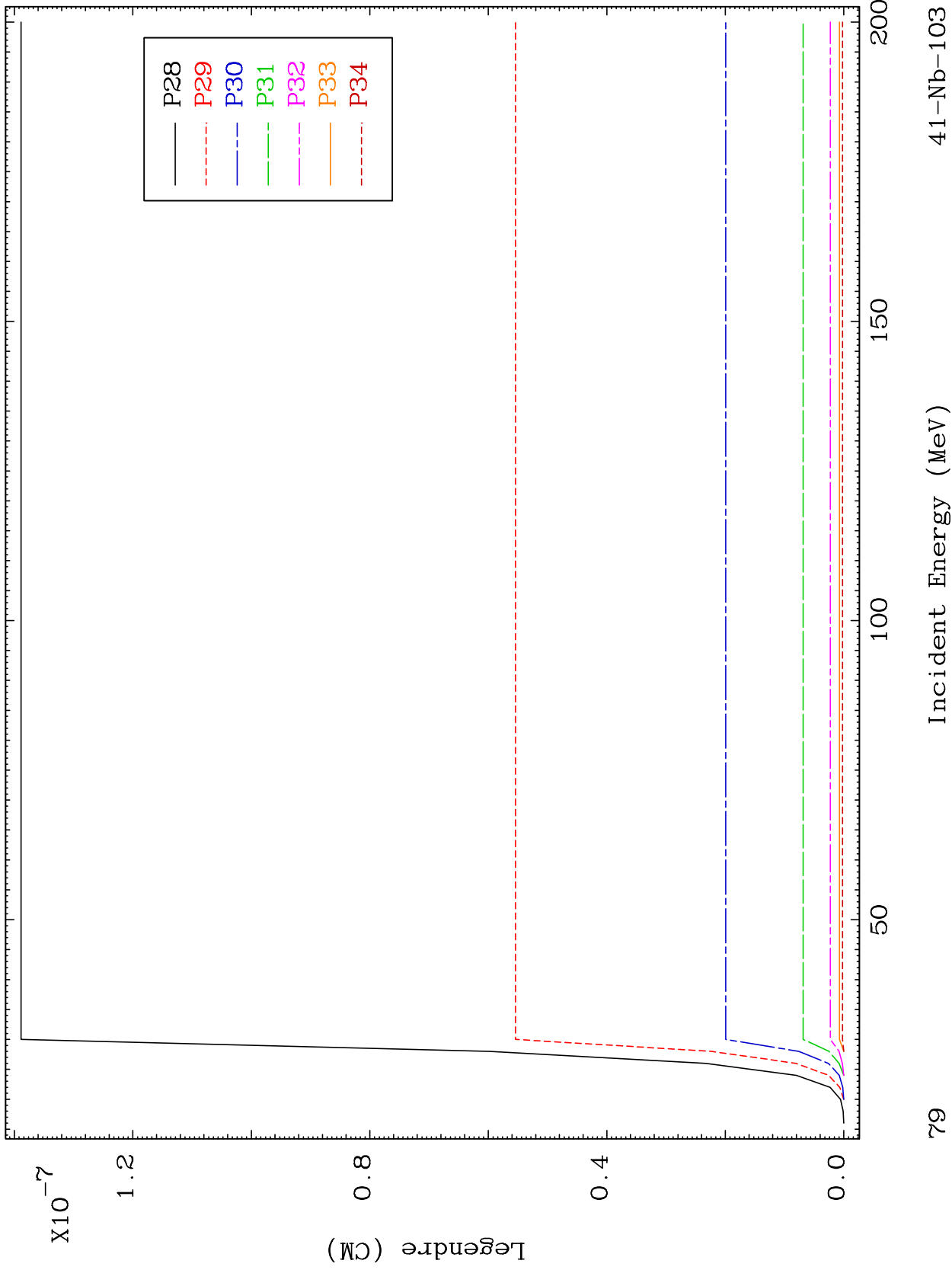
41-Nb-103



MAT 4155

763.1 keV (n,n') Level
Legendre Coefficients

41-Nb-103



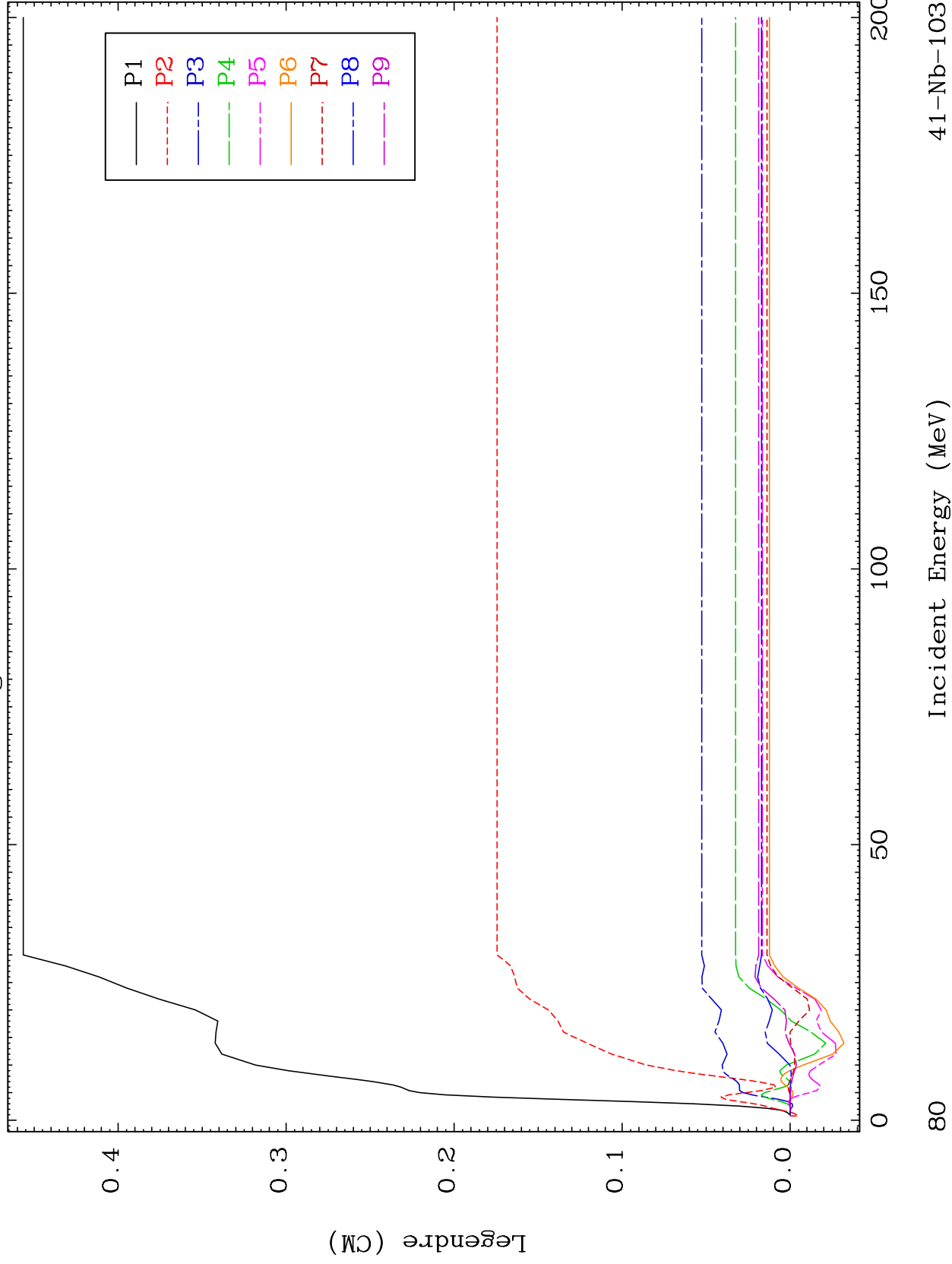
79

41-Nb-103

MAT 4155

767.8 keV (n,n') Level
Legendre Coefficients

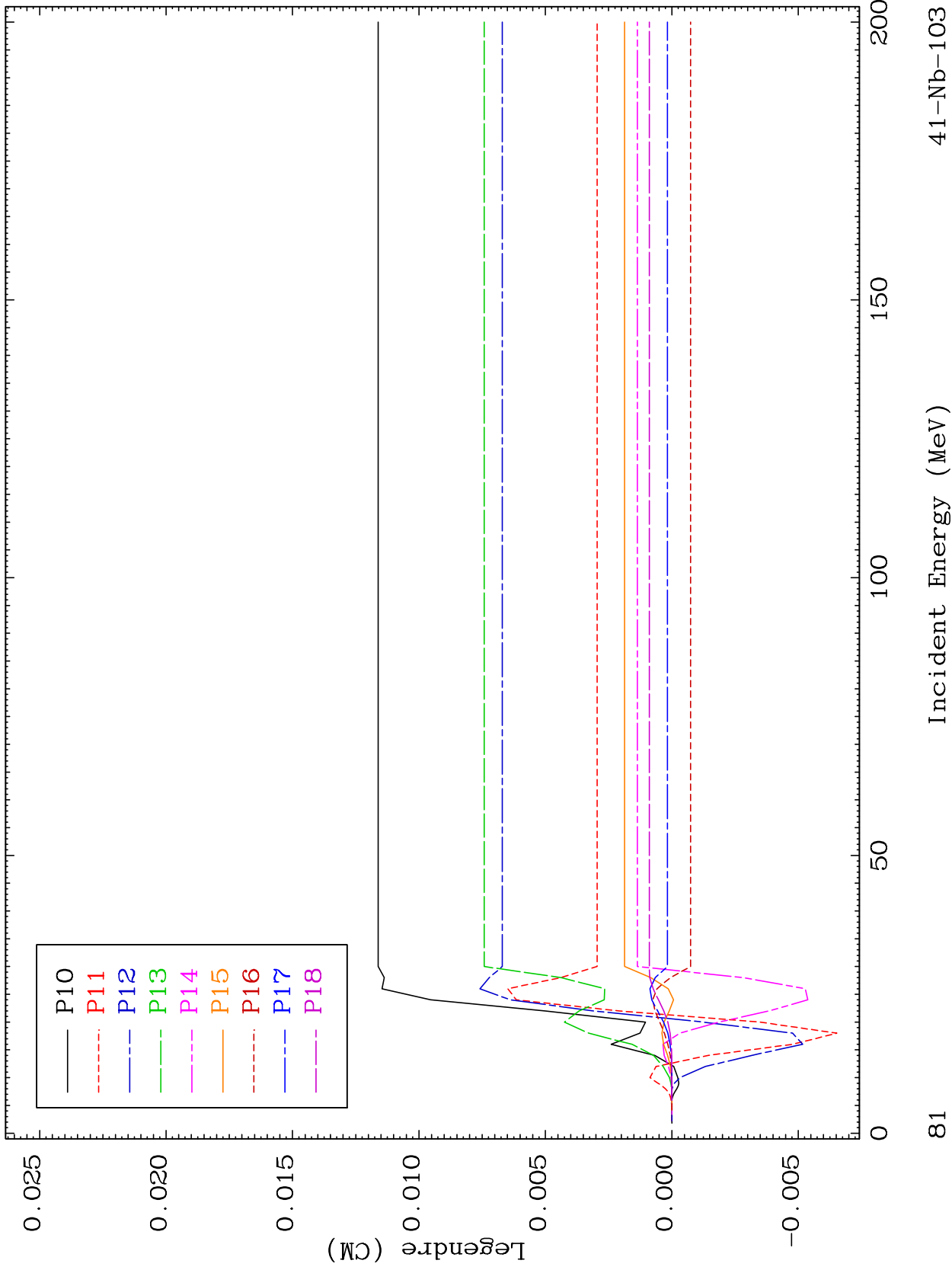
41-Nb-103

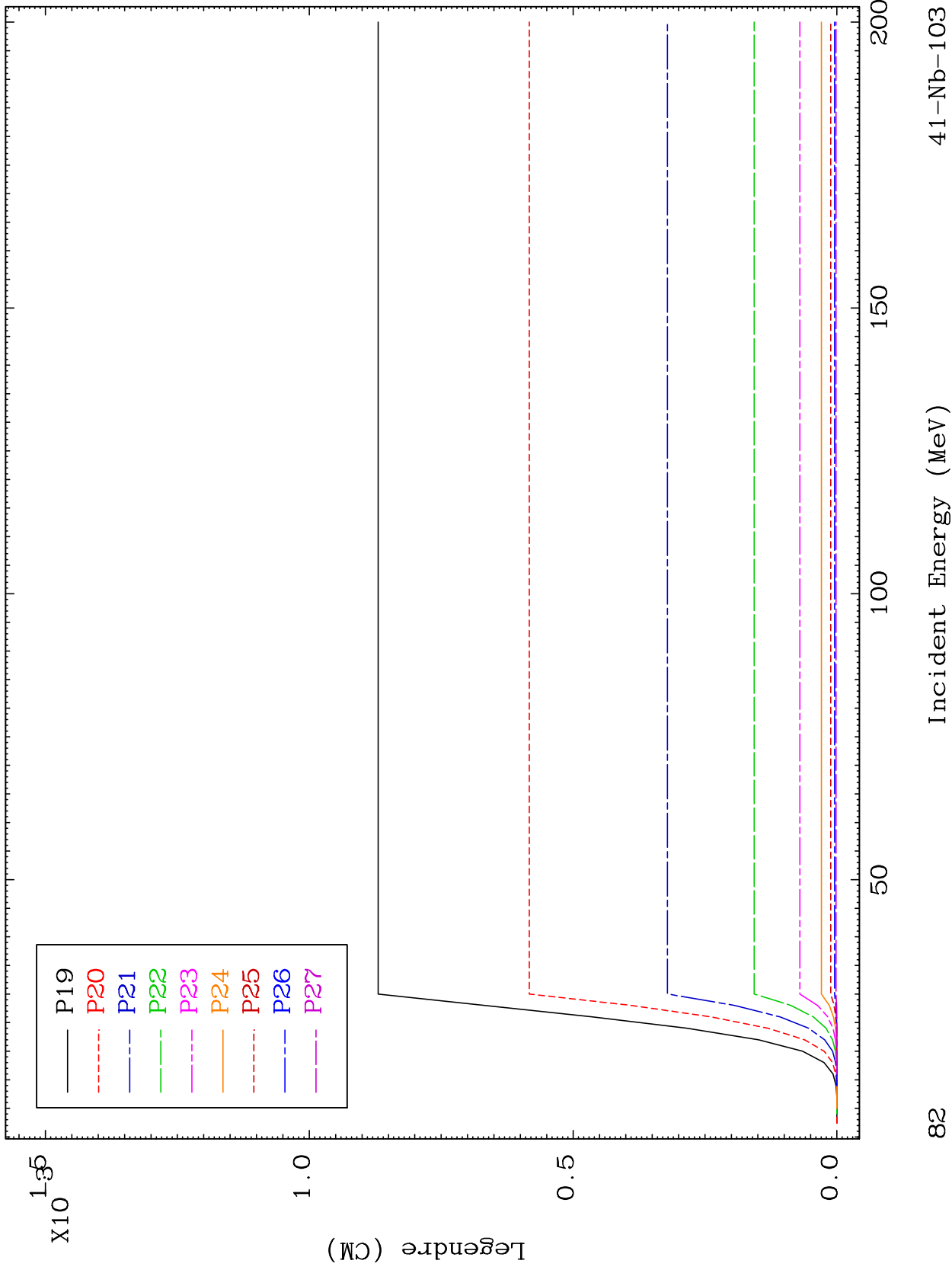


41-Nb-103

Incident Energy (MeV)

80

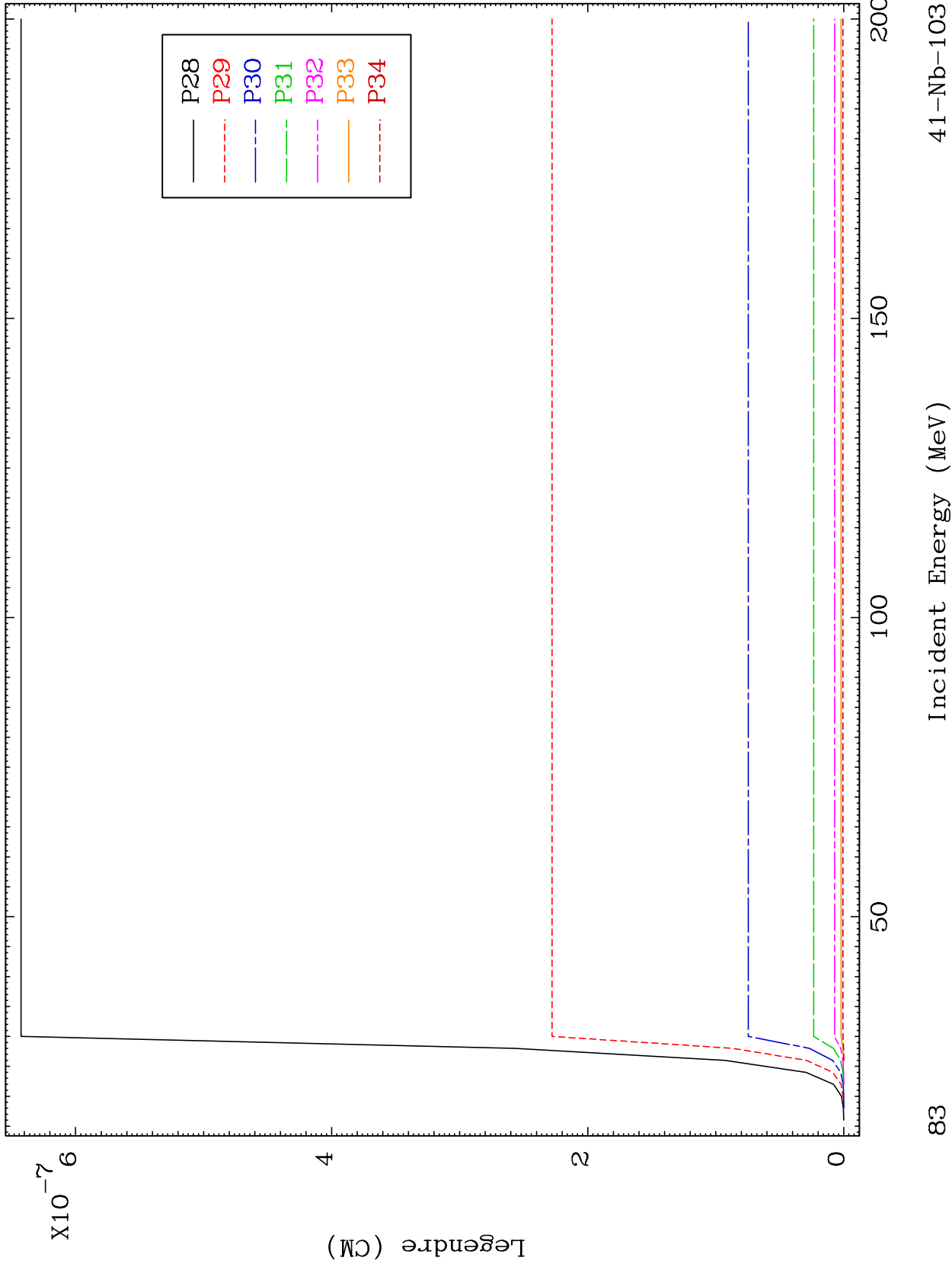


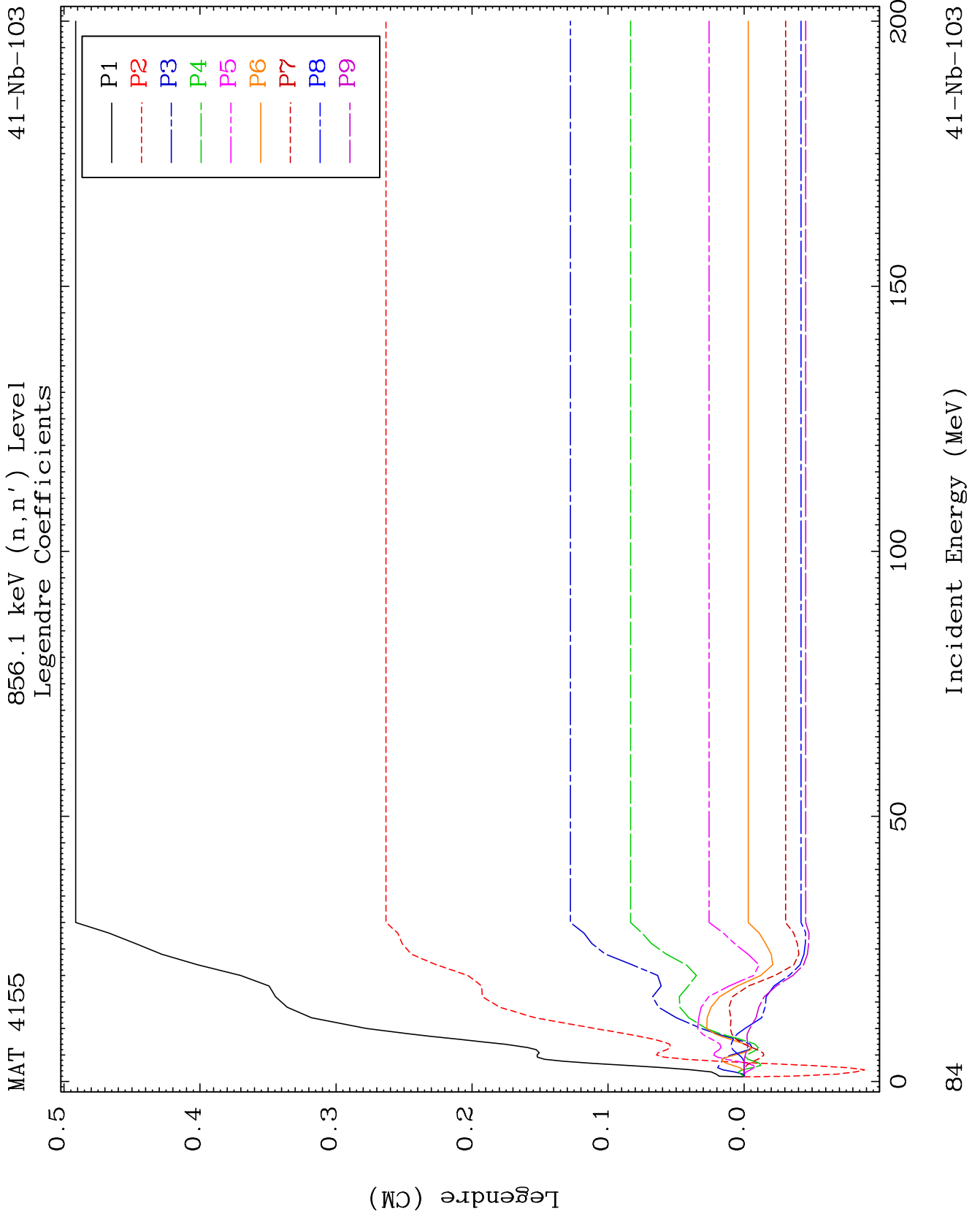


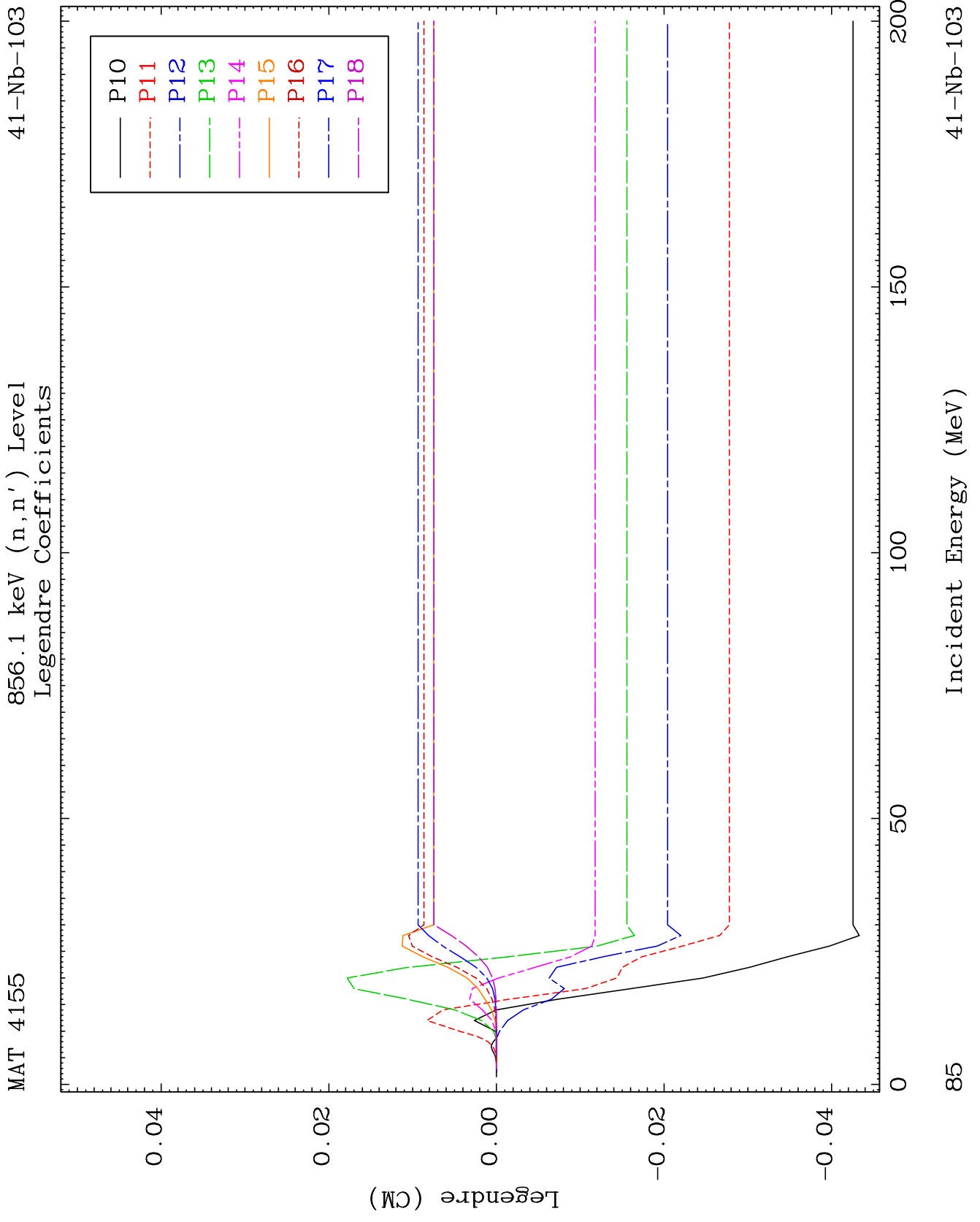
MAT 4155

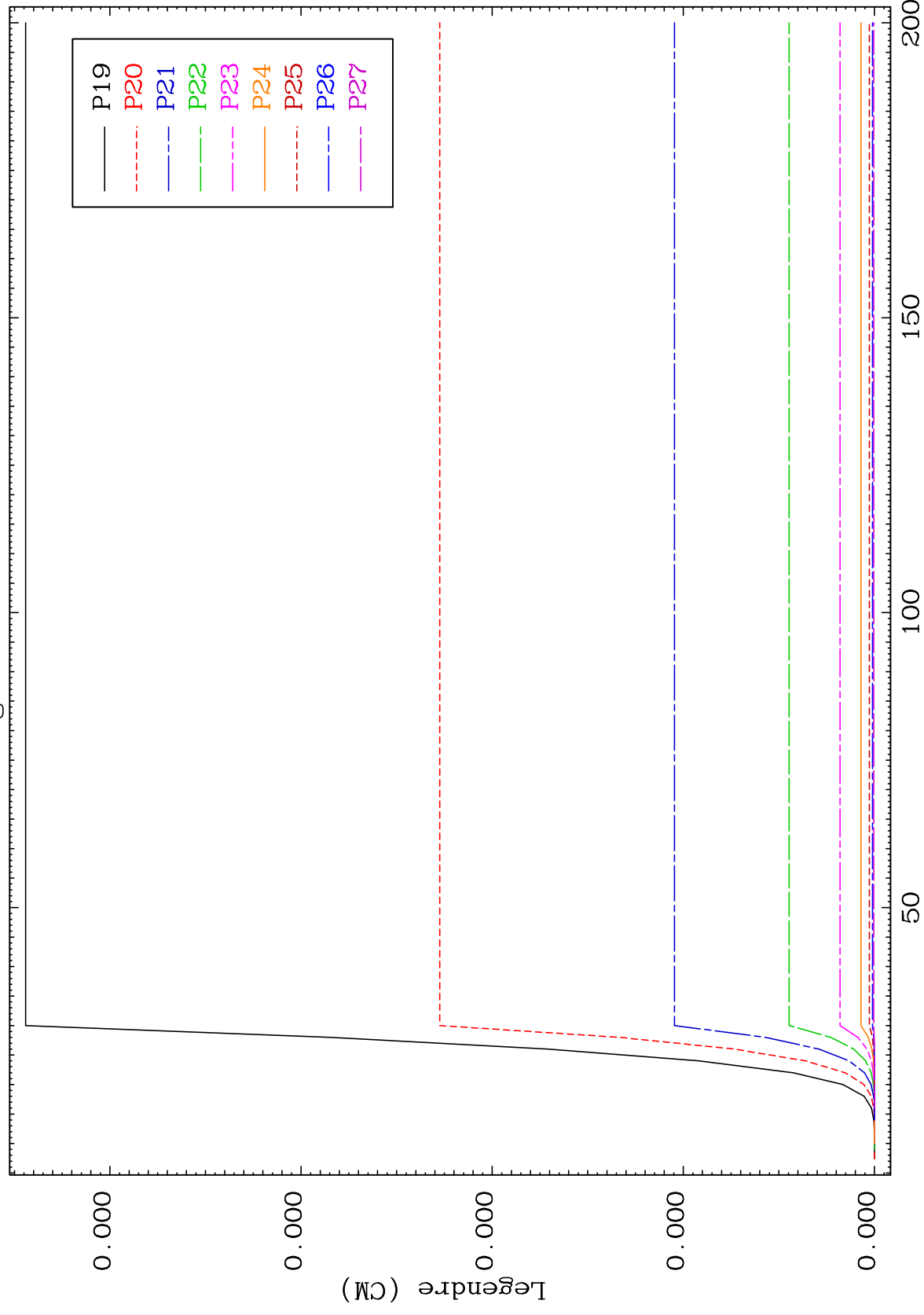
767.8 keV (n,n') Level
Legendre Coefficients

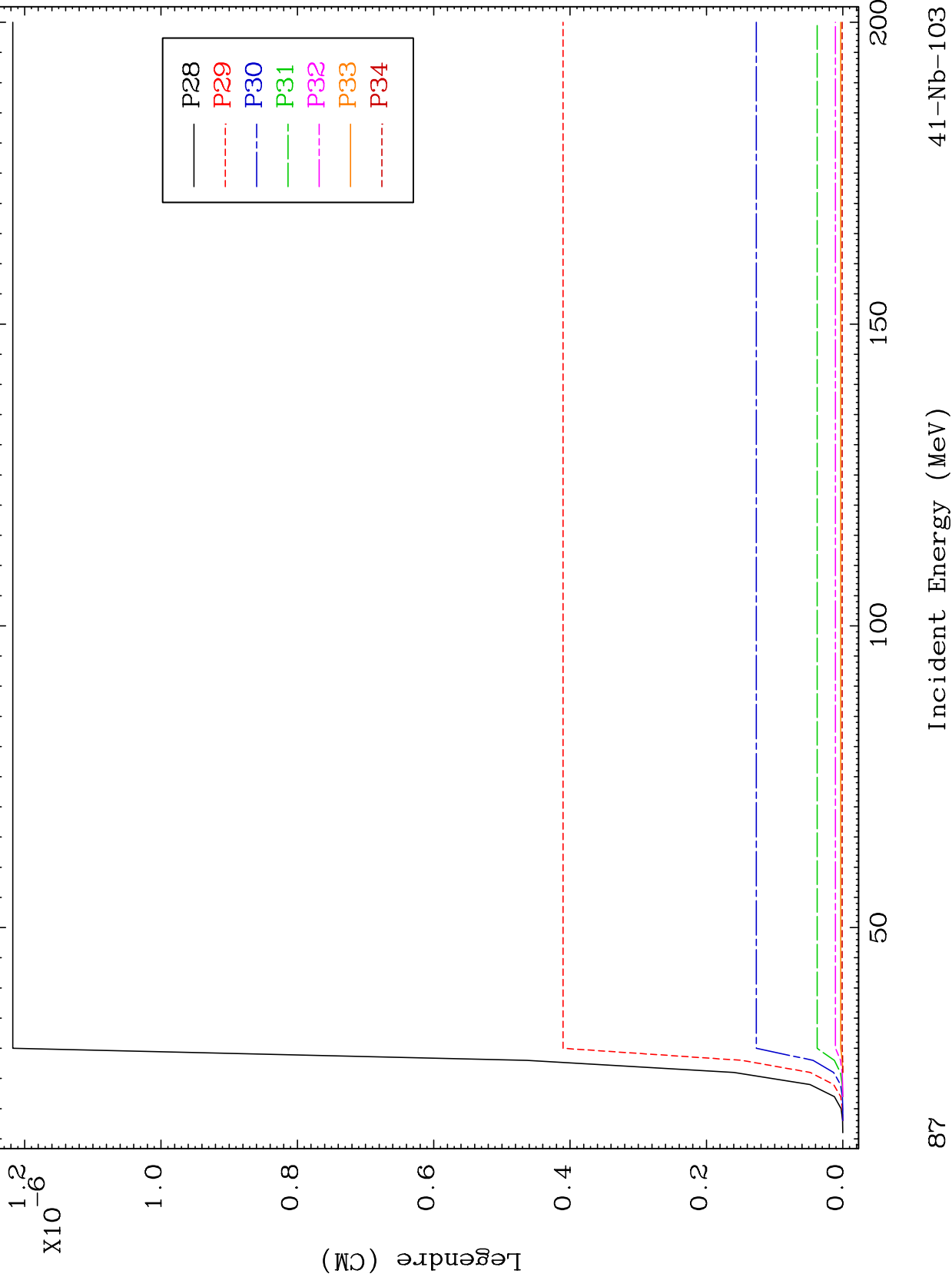
41-Nb-103







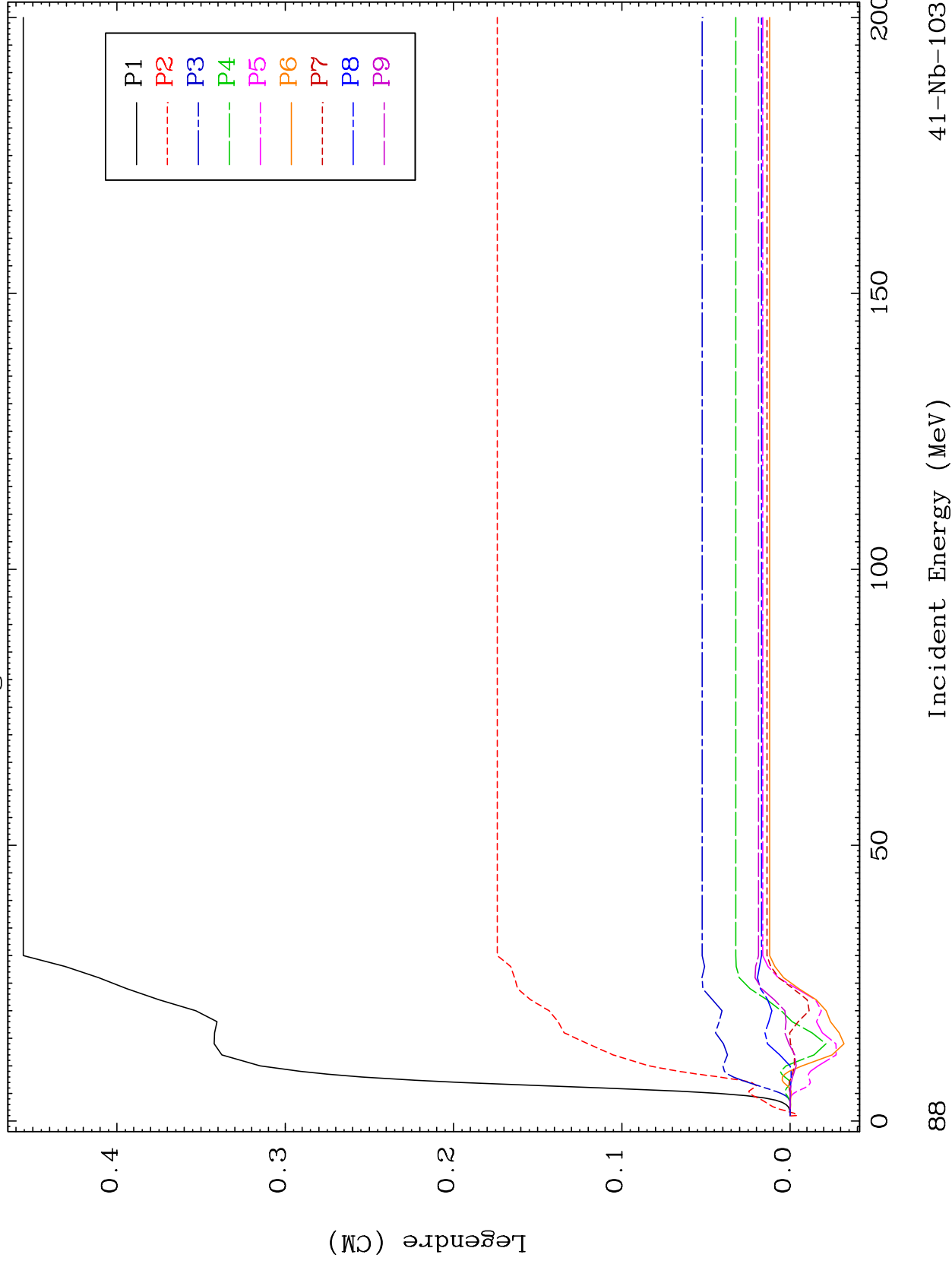




MAT 4155

908.0 keV (n,n') Level
Legendre Coefficients

41-Nb-103



41-Nb-103

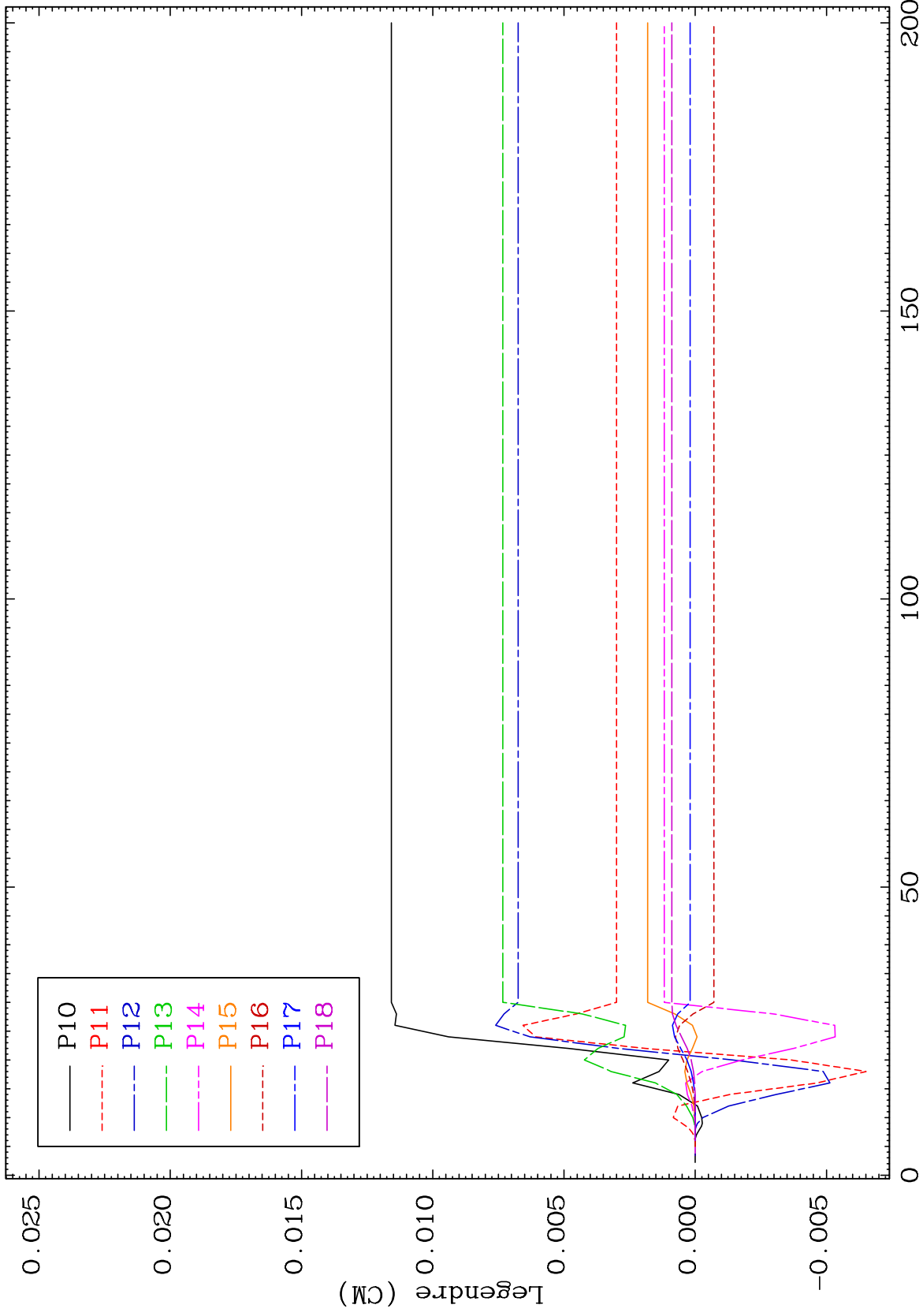
Incident Energy (MeV)

88

MAT 4155

908.0 keV (n,n') Level
Legendre Coefficients

41-Nb-103



89

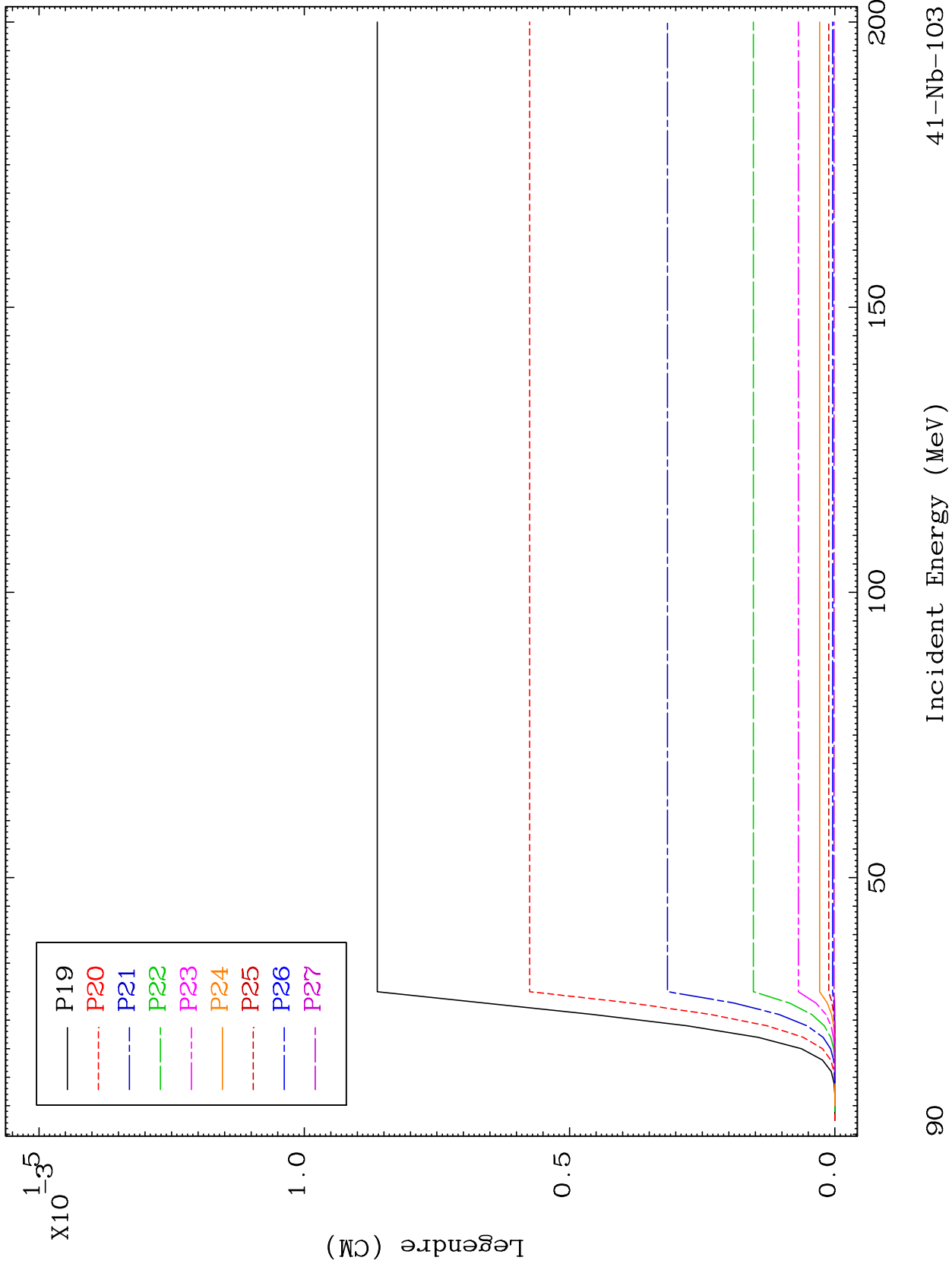
Incident Energy (MeV)

41-Nb-103

MAT 4155

908.0 keV (n, n') Level
Legendre Coefficients

41-Nb-103



90

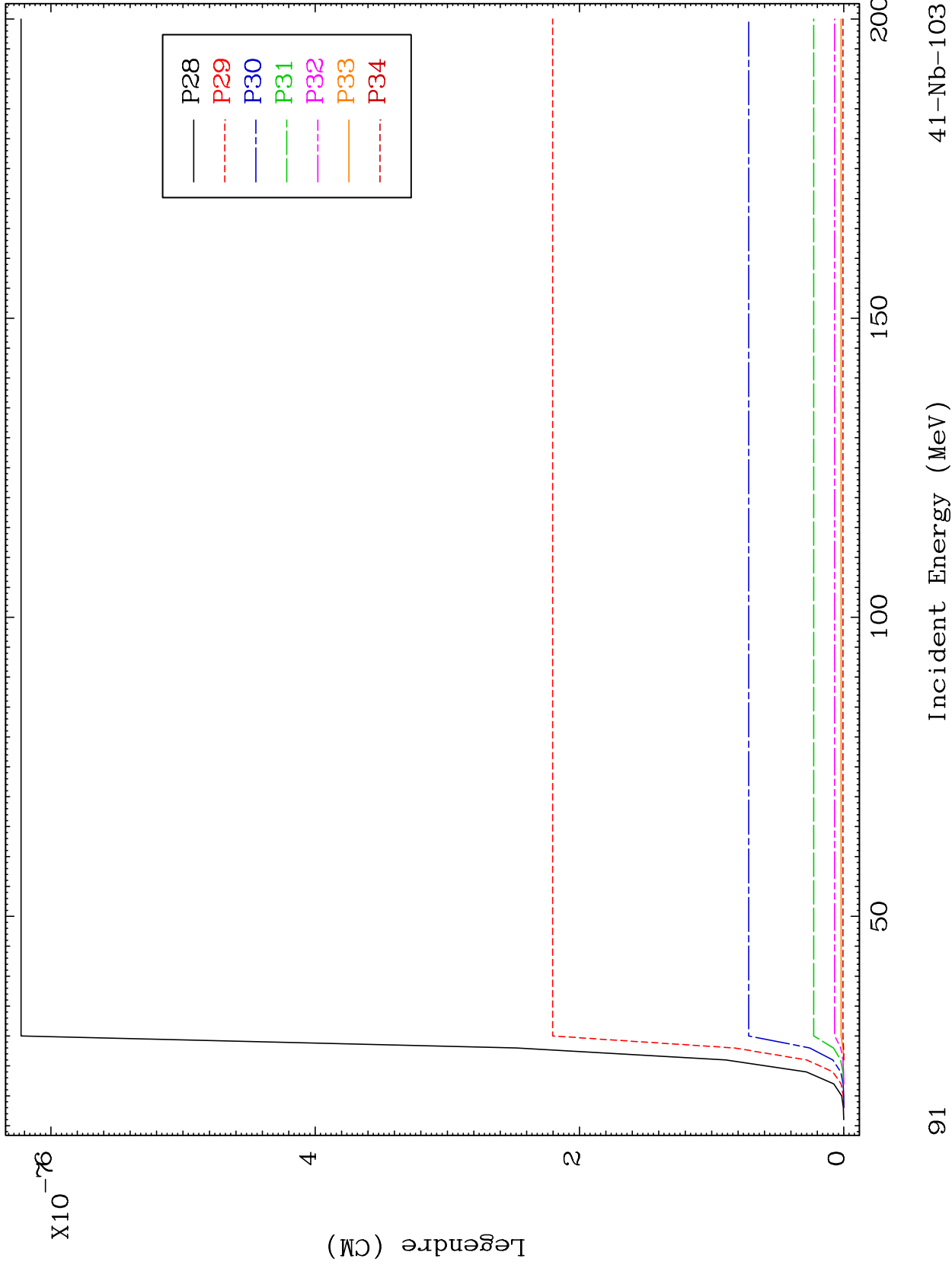
Incident Energy (MeV)

41-Nb-103

MAT 4155

908.0 keV (n,n') Level
Legendre Coefficients

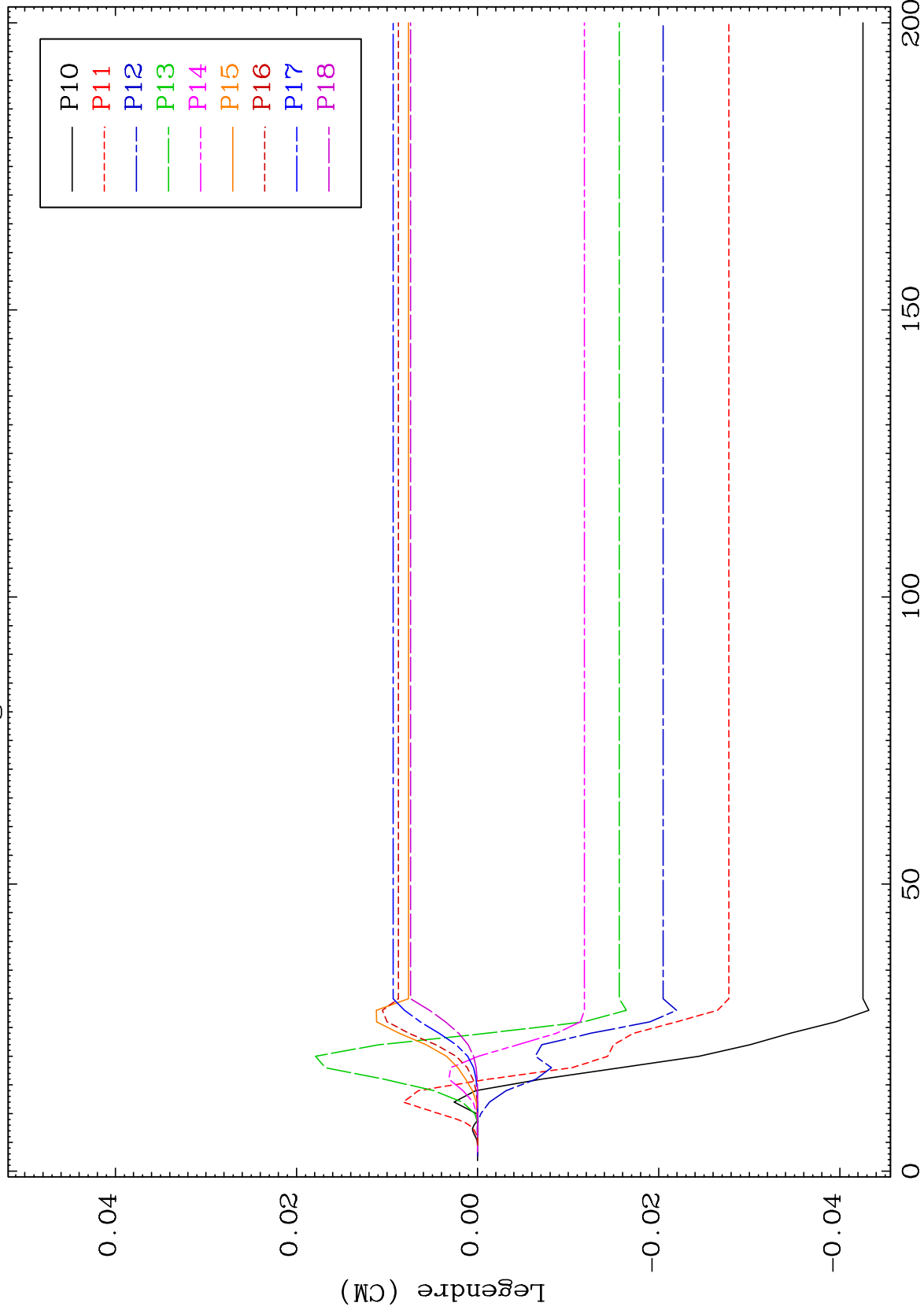
41-Nb-103



MAT 4155

977.2 keV (n,n') Level
Legendre Coefficients

41-Nb-103



93

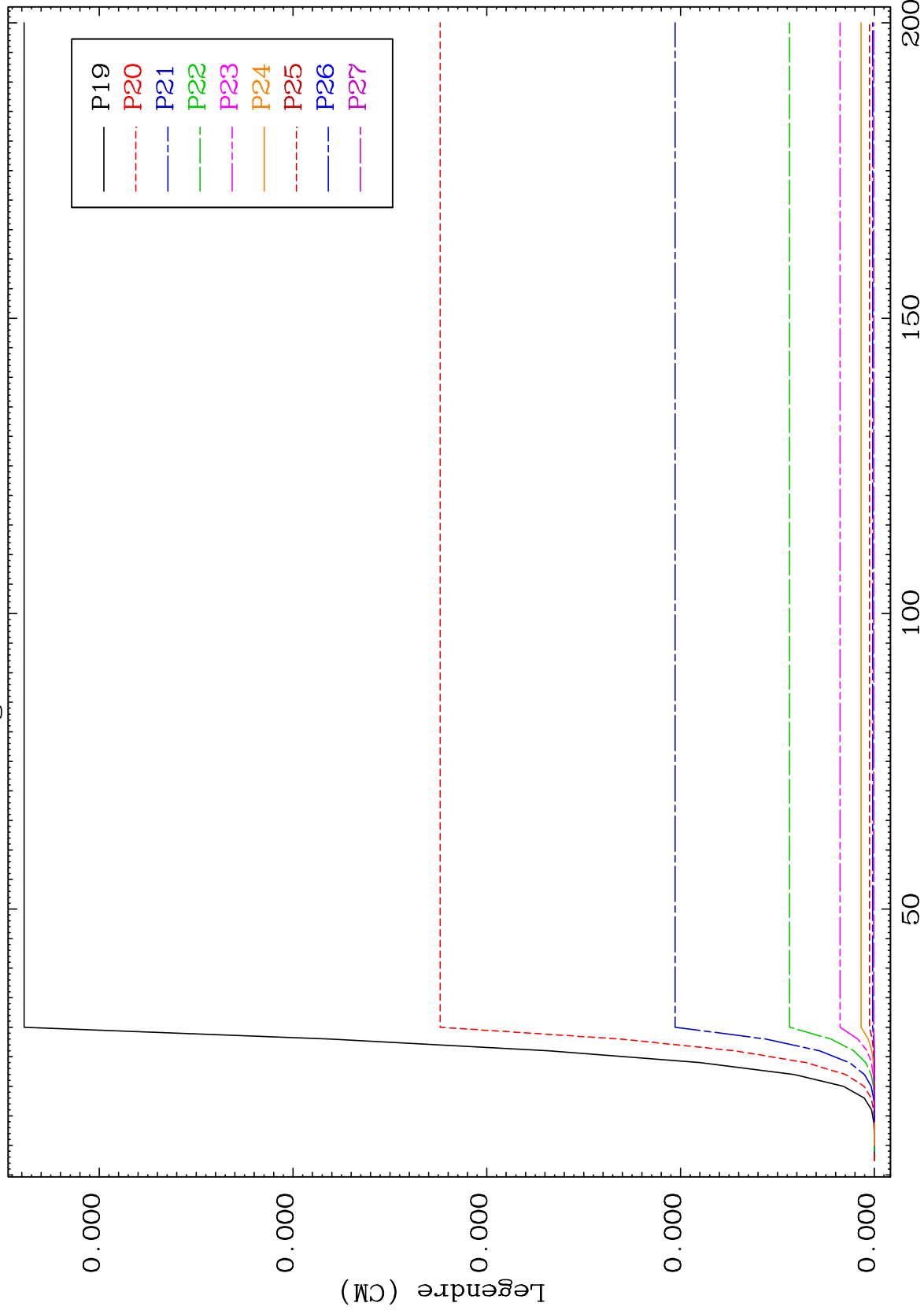
Incident Energy (MeV)

41-Nb-103

MAT 4155

977.2 keV (n,n') Level
Legendre Coefficients

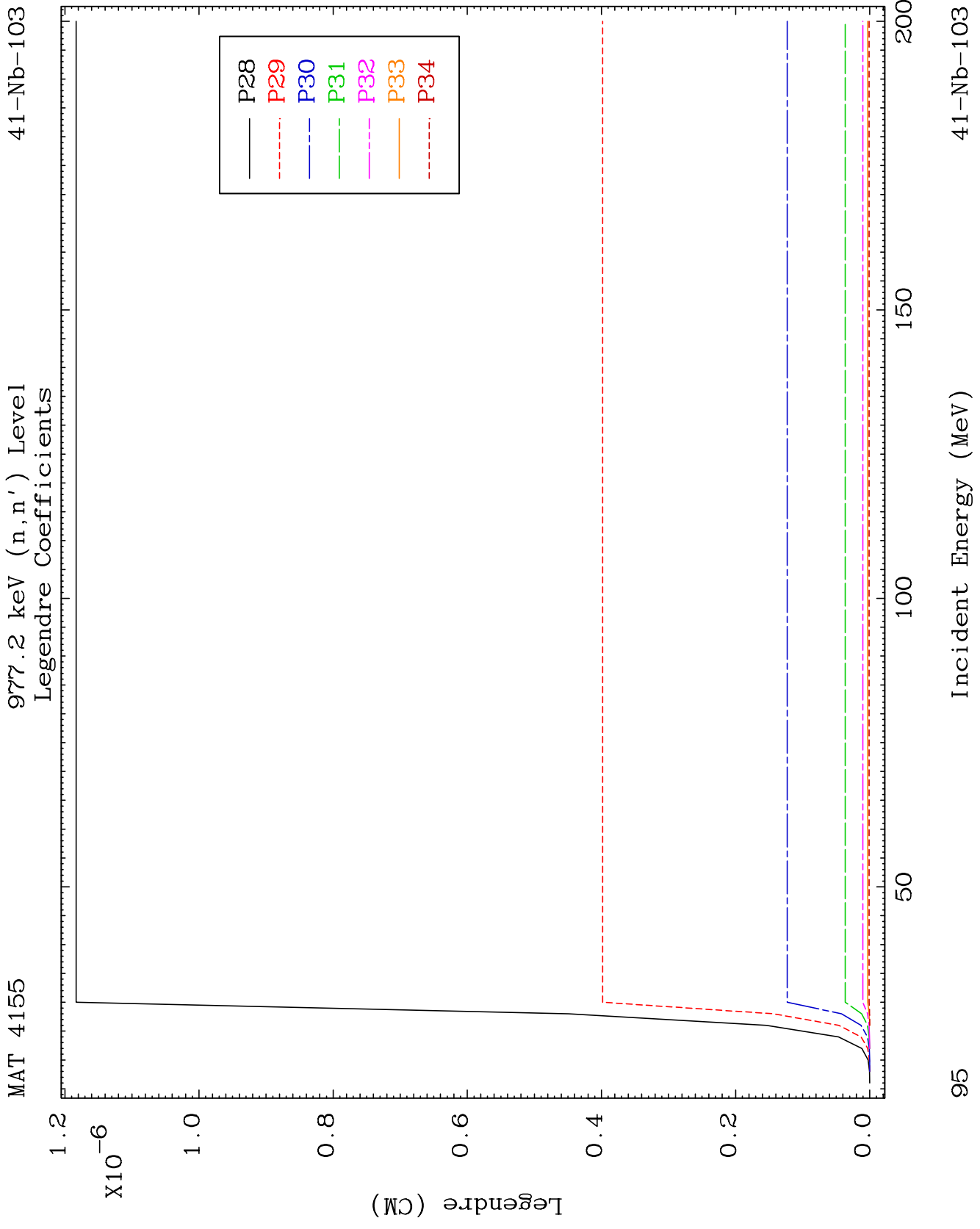
41-Nb-103

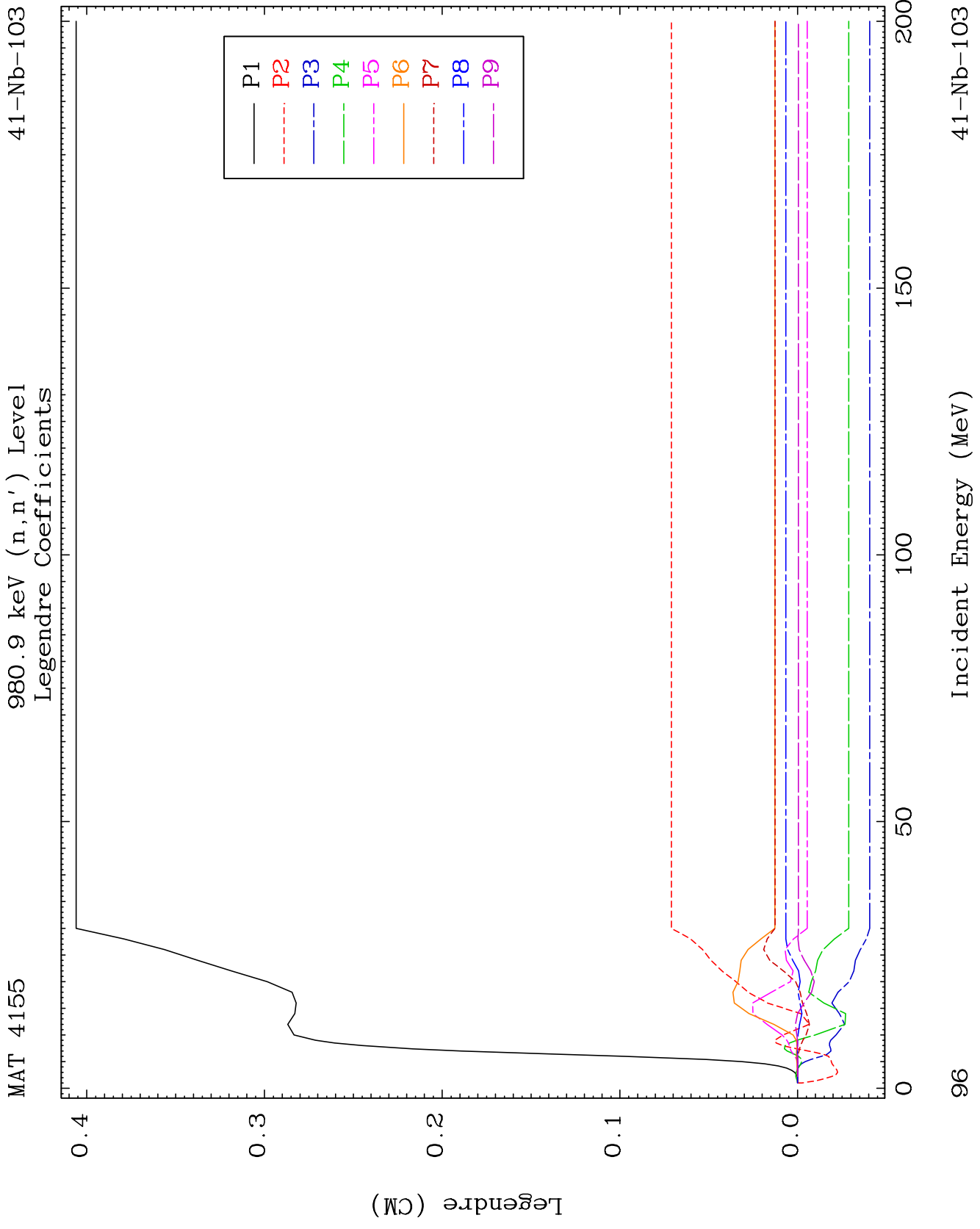


94

Incident Energy (MeV)

41-Nb-103

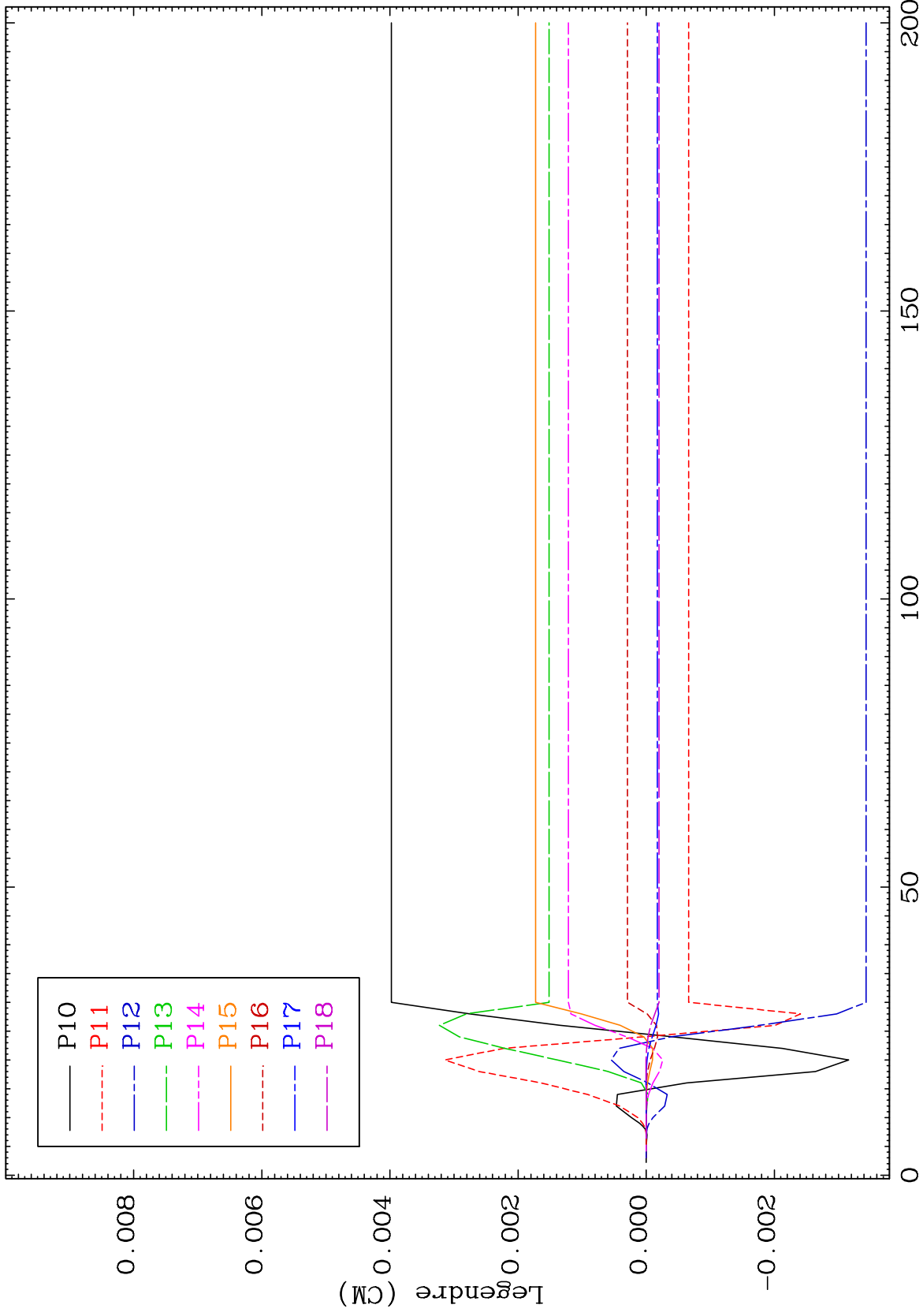




MAT 4155

980.9 keV (n,n') Level
Legendre Coefficients

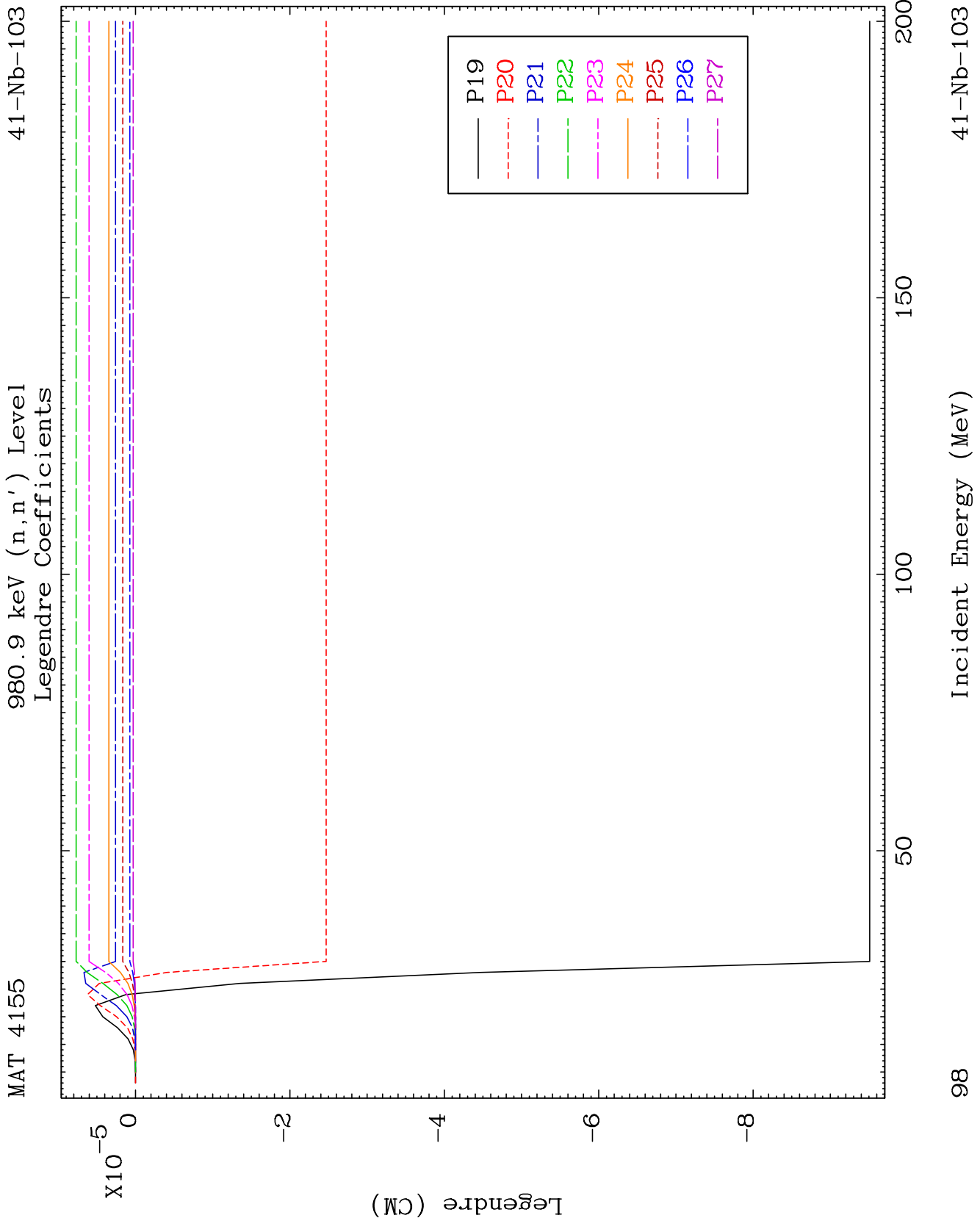
41-Nb-103



97

Incident Energy (MeV)

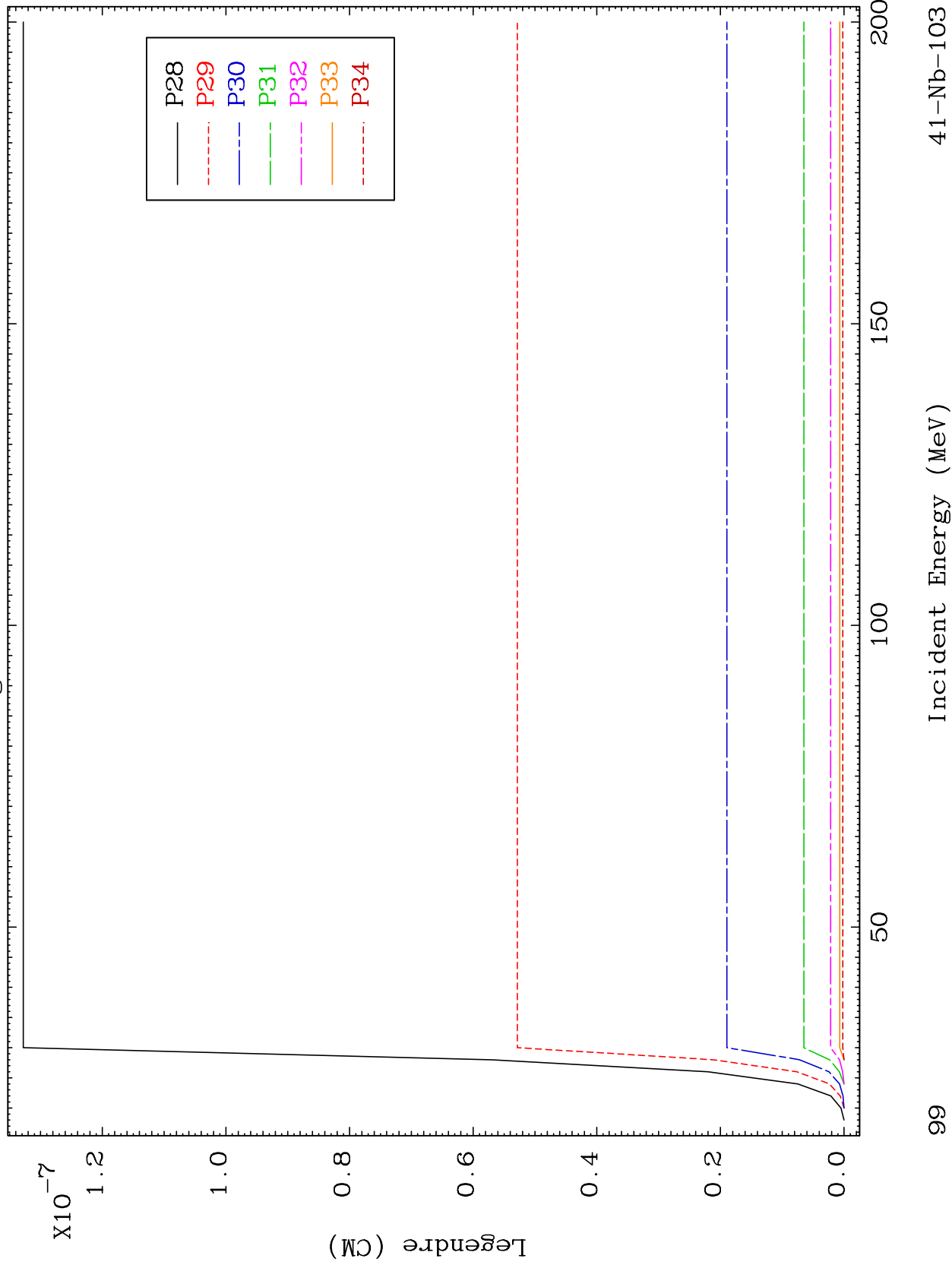
41-Nb-103



MAT 4155

980.9 keV (n,n') Level
Legendre Coefficients

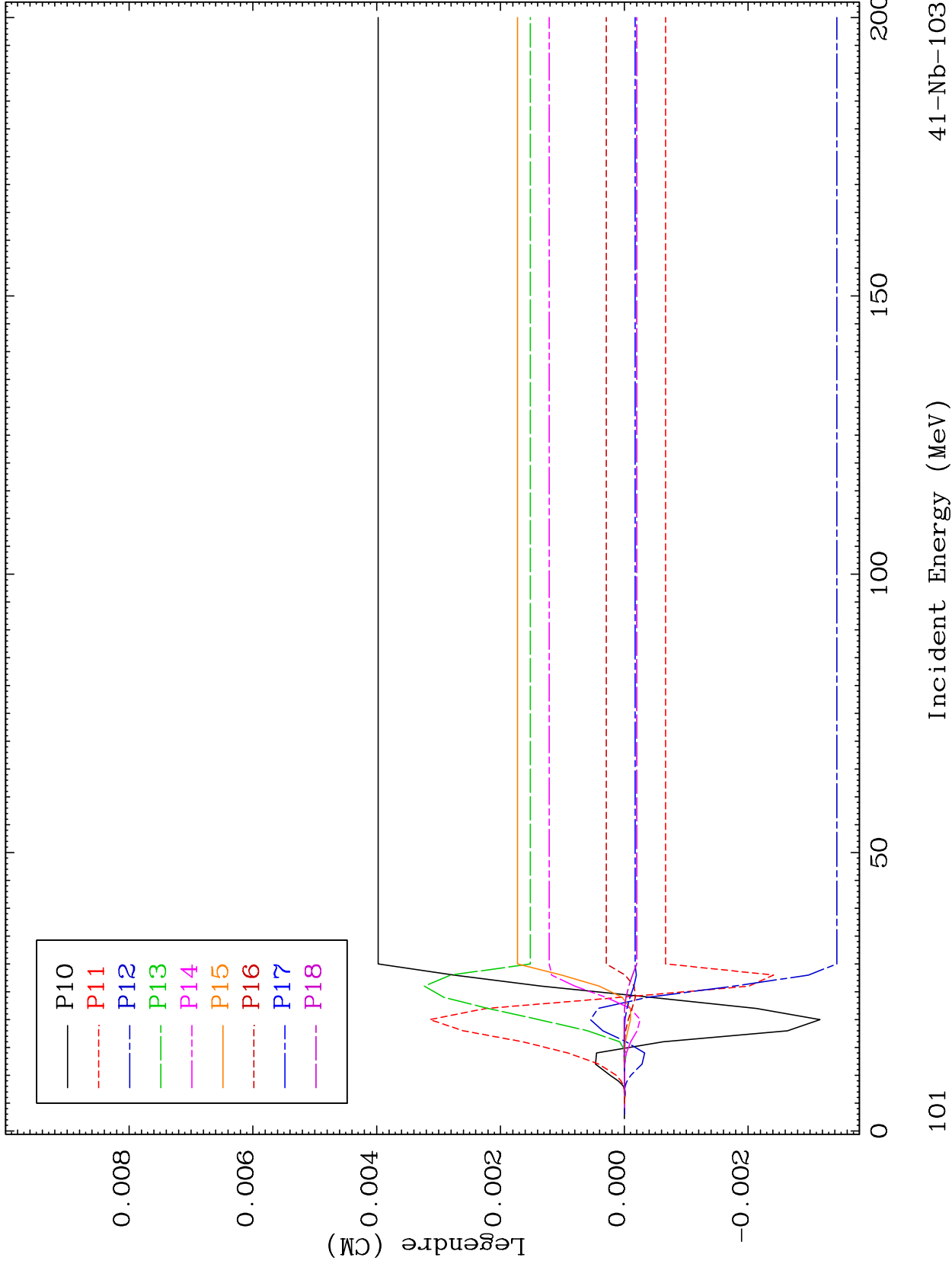
41-Nb-103

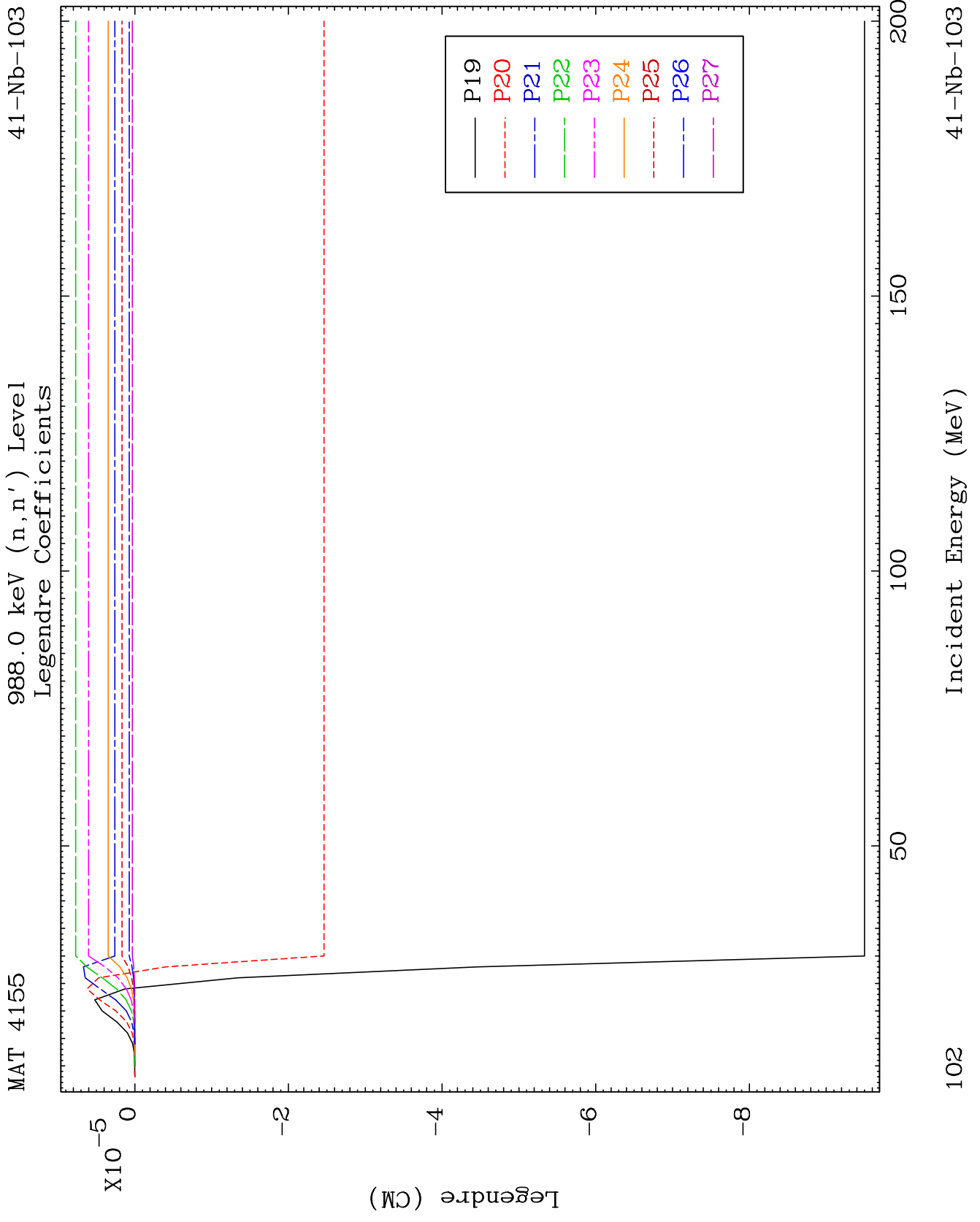


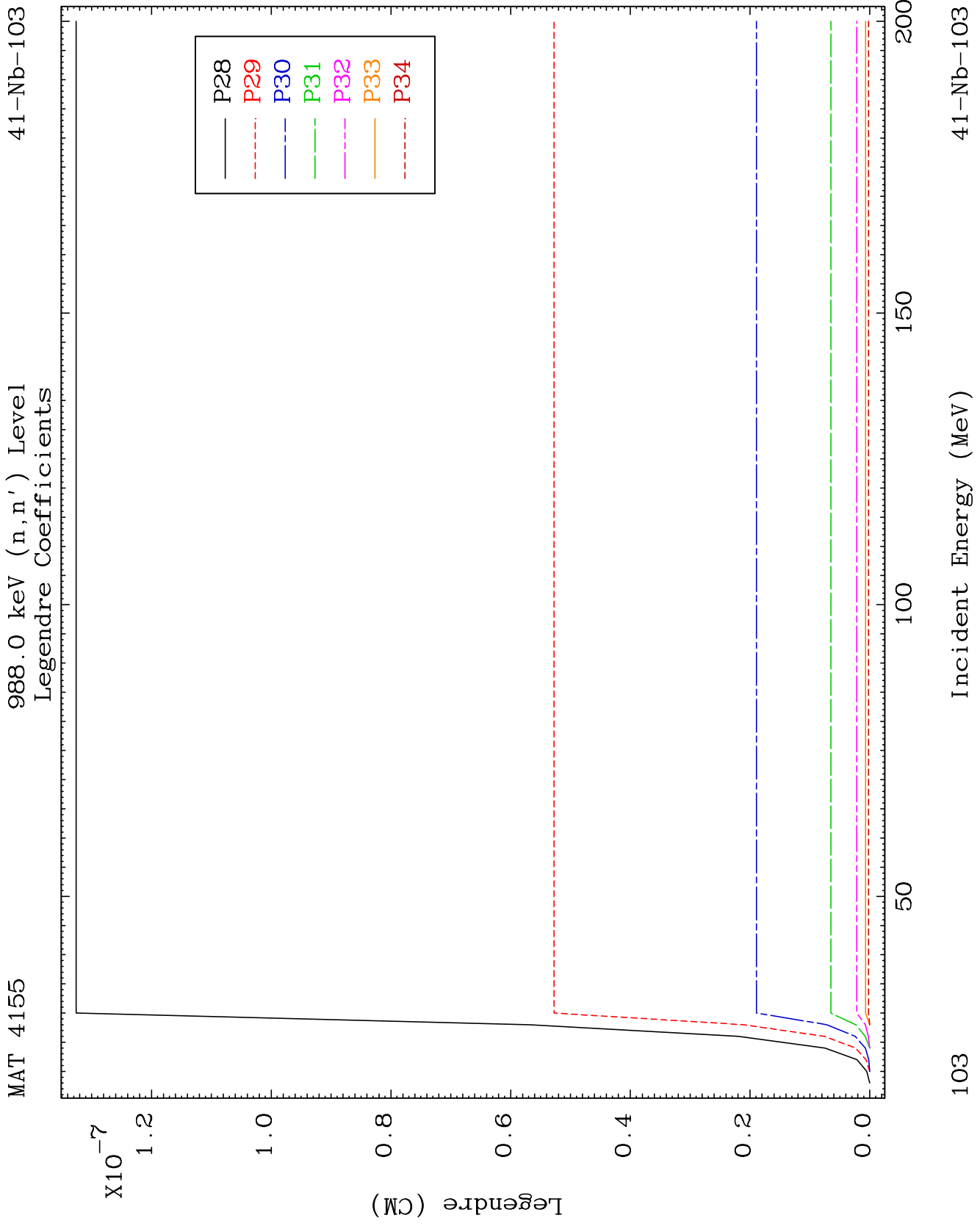
MAT 4155

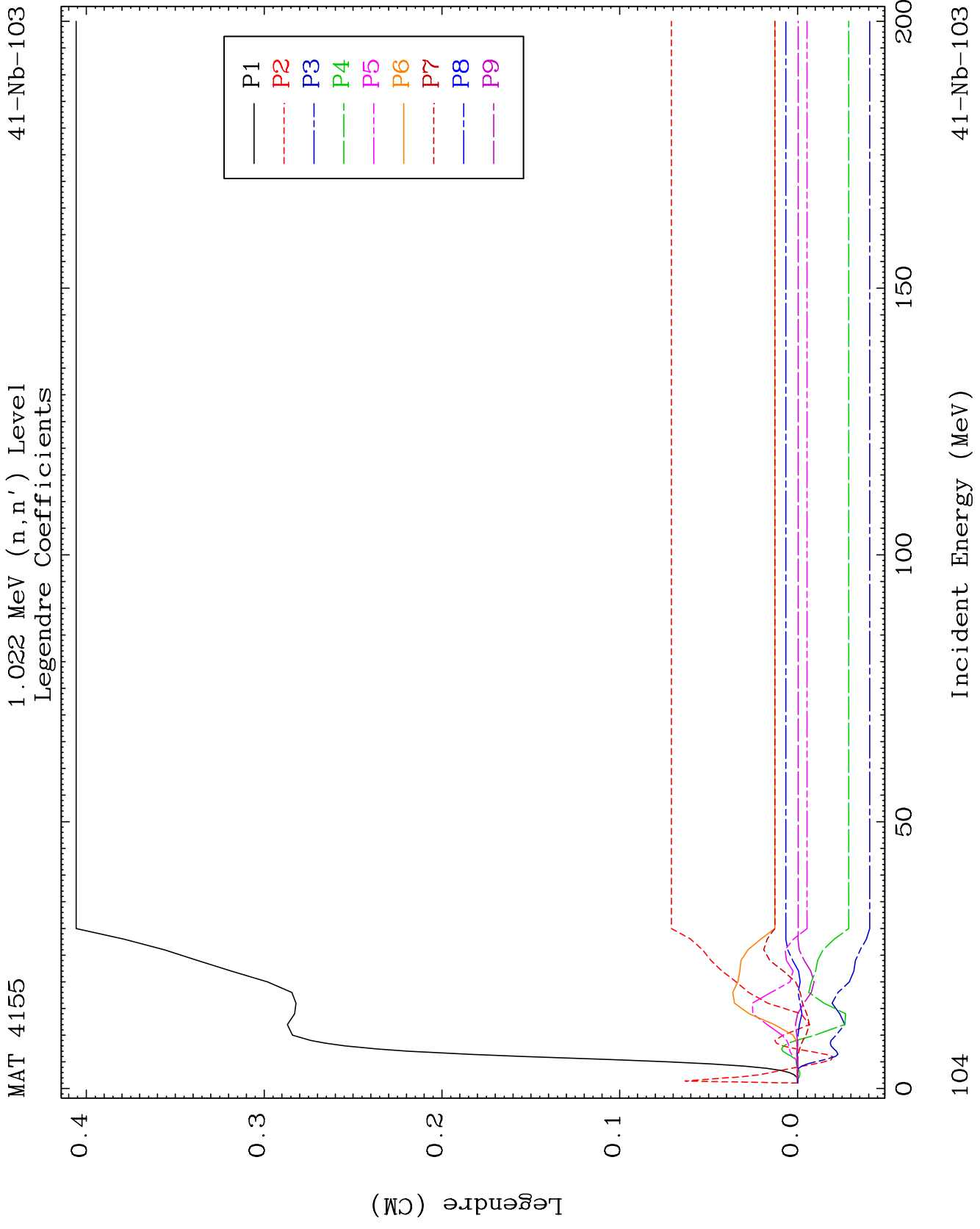
988.0 keV (n,n') Level
Legendre Coefficients

41-Nb-103





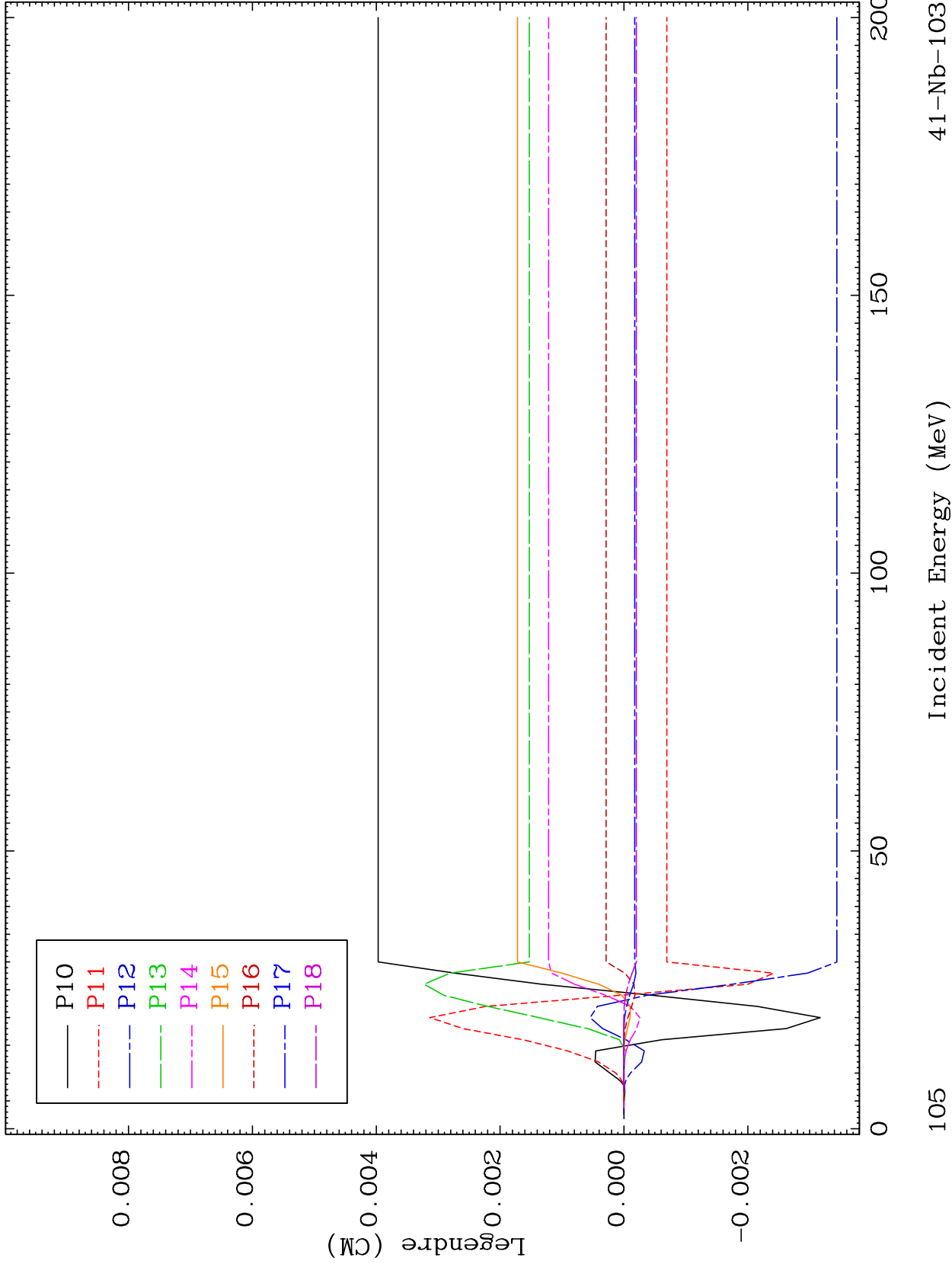


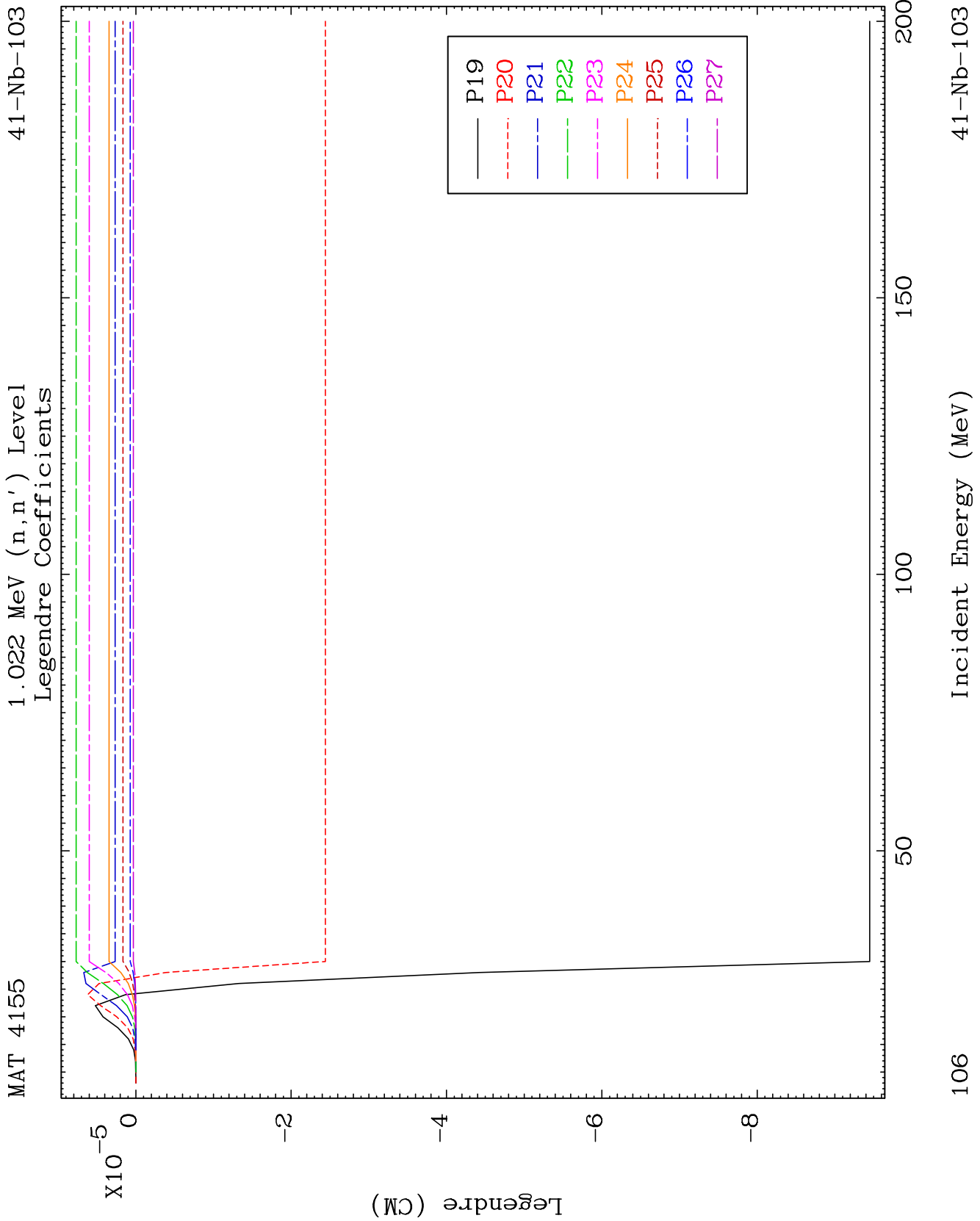


MAT 4155

1.022 MeV (n,n') Level
Legendre Coefficients

41-Nb-103

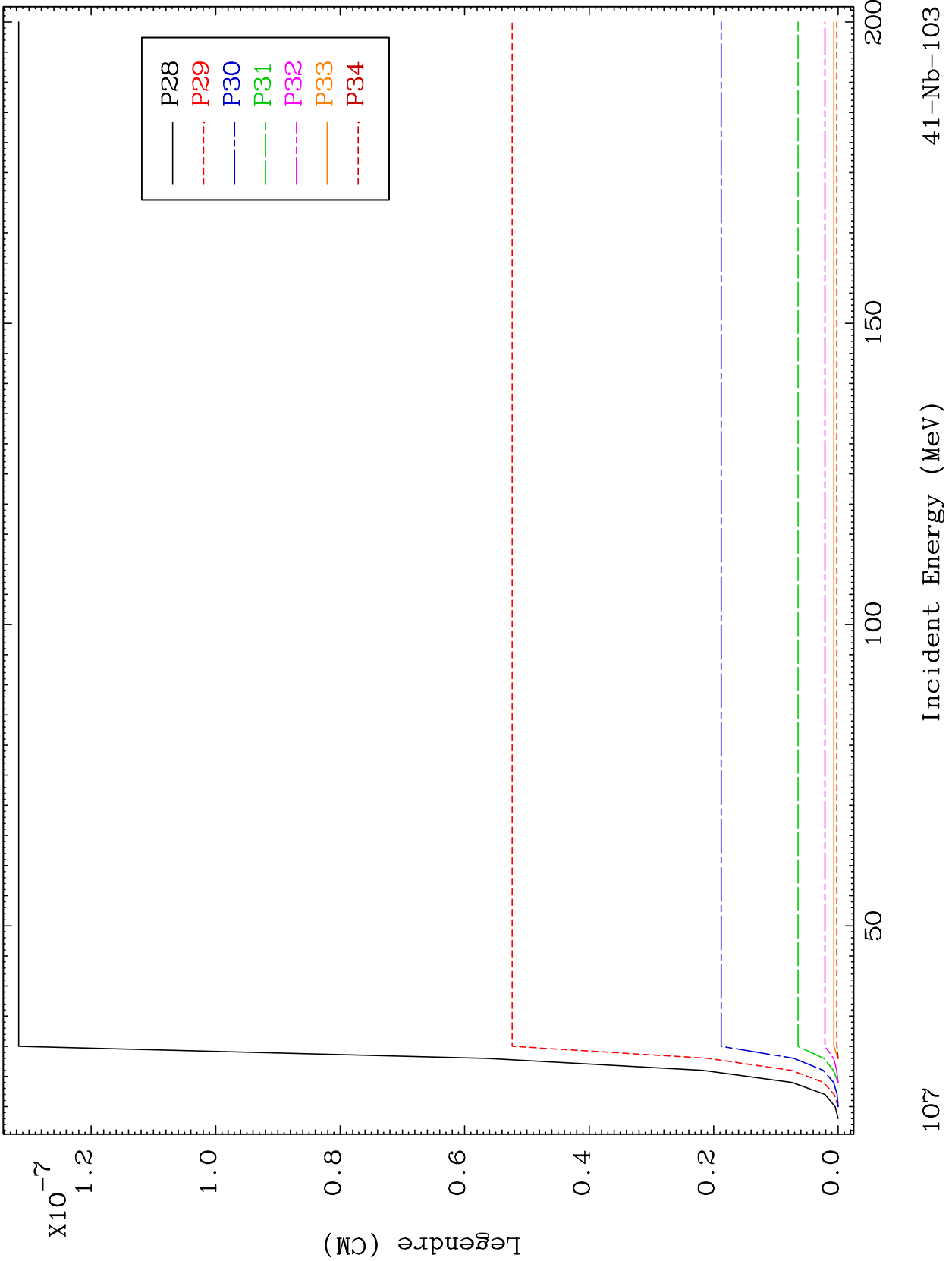




MAT 4155

1.022 MeV (n,n') Level
Legendre Coefficients

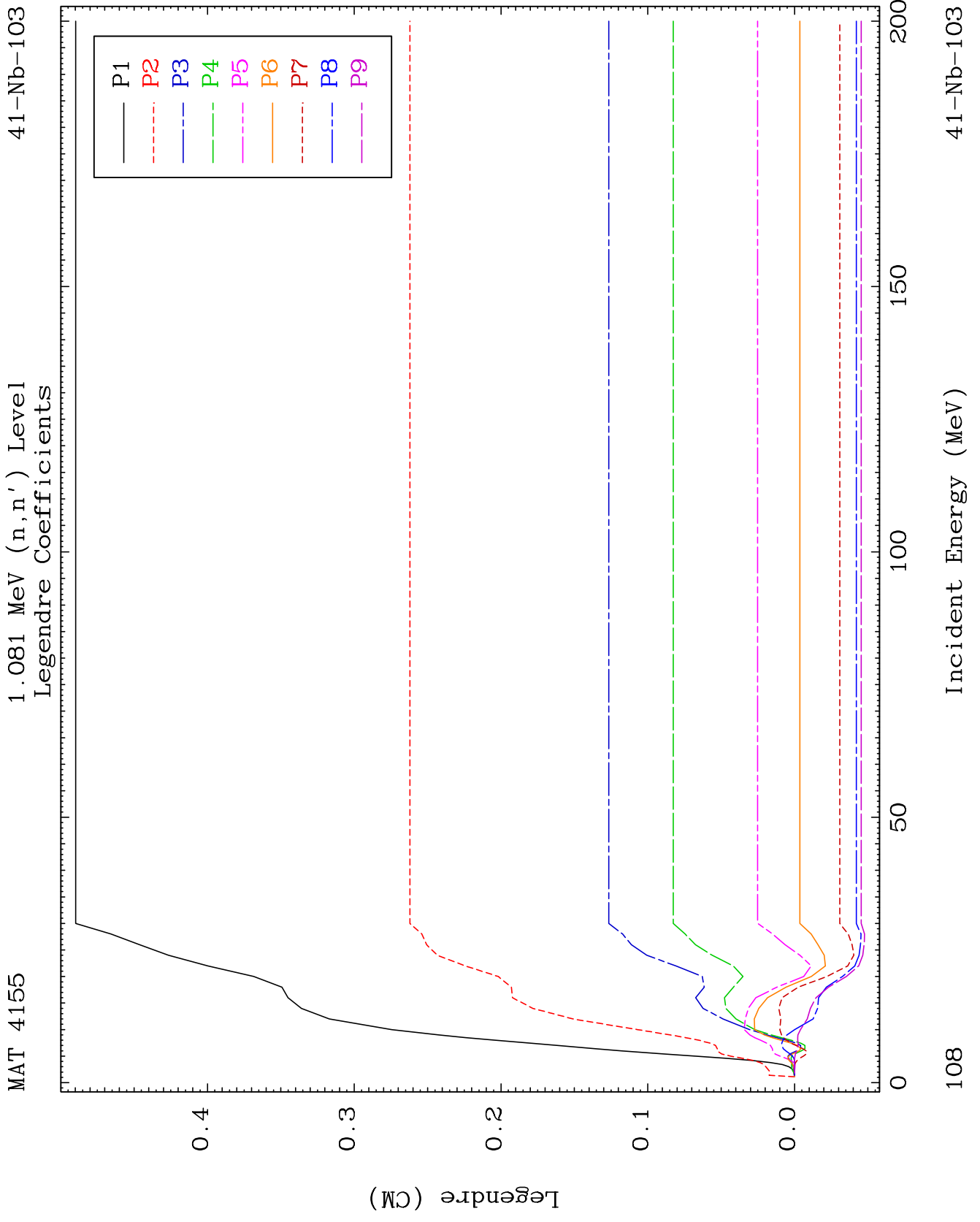
41-Nb-103



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Incident Energy (MeV)

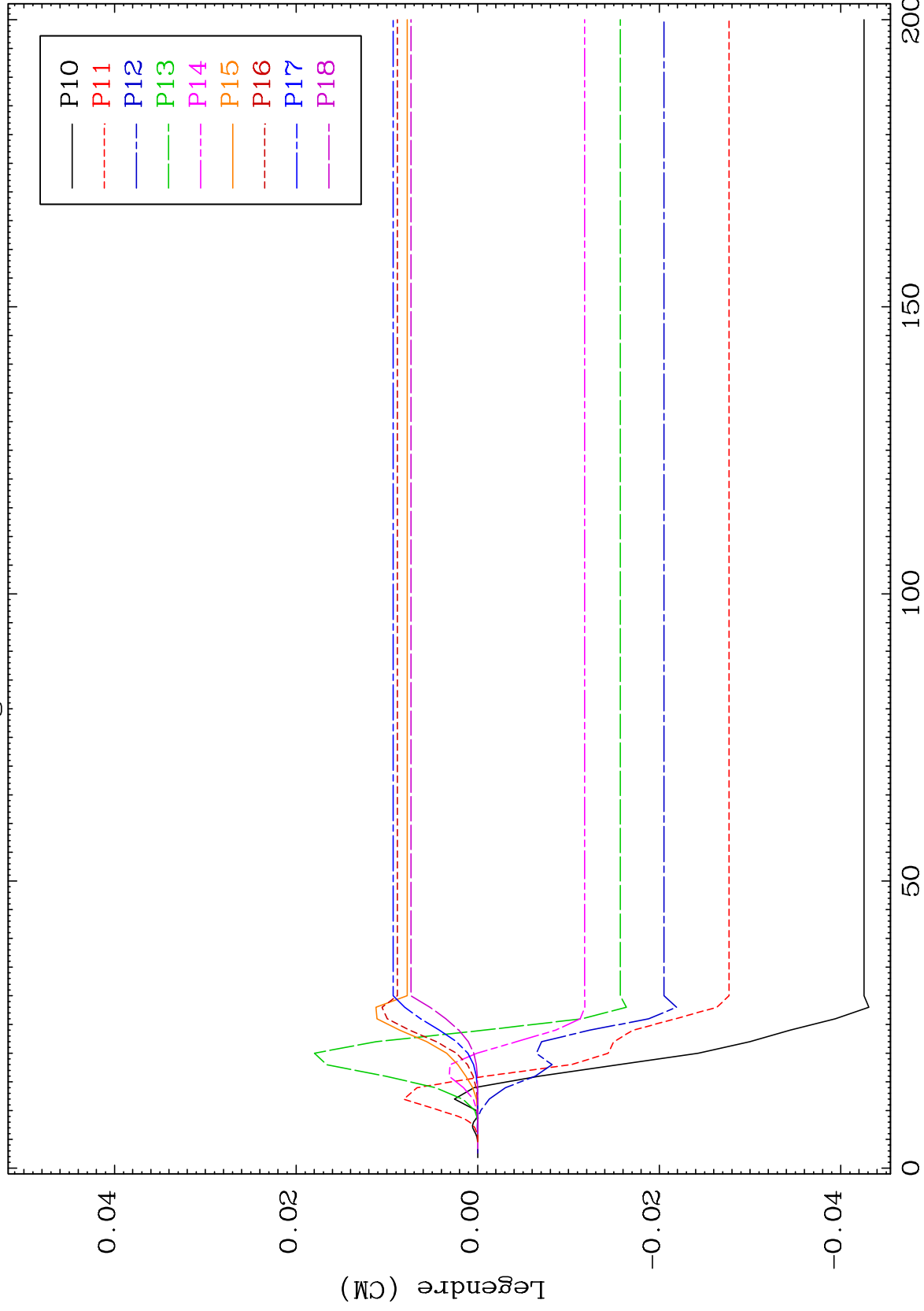
41-Nb-103



MAT 4155

1.081 MeV (n,n') Level
Legendre Coefficients

41-Nb-103



109

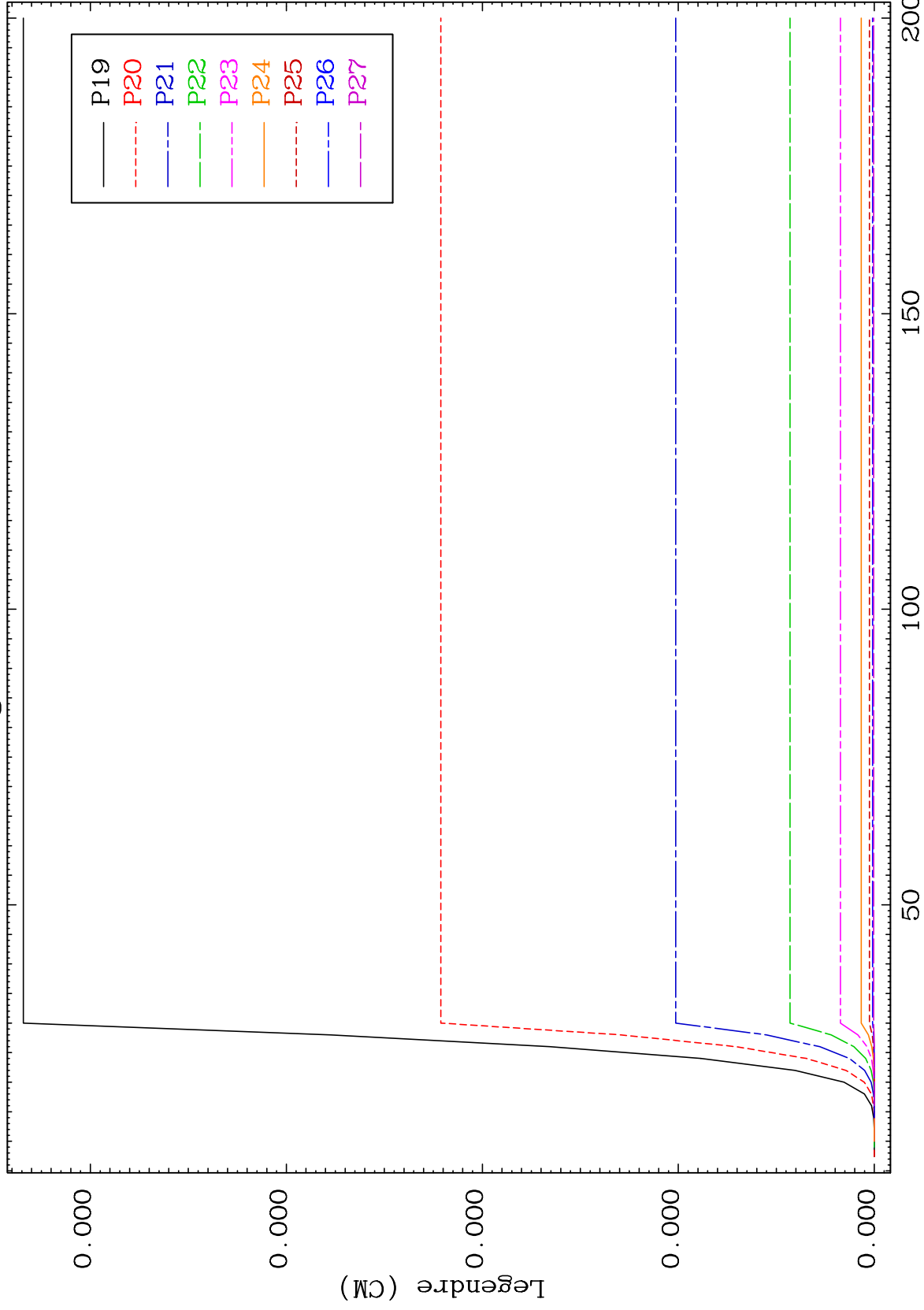
Incident Energy (MeV)

41-Nb-103

MAT 4155

1.081 MeV (n, n') Level
Legendre Coefficients

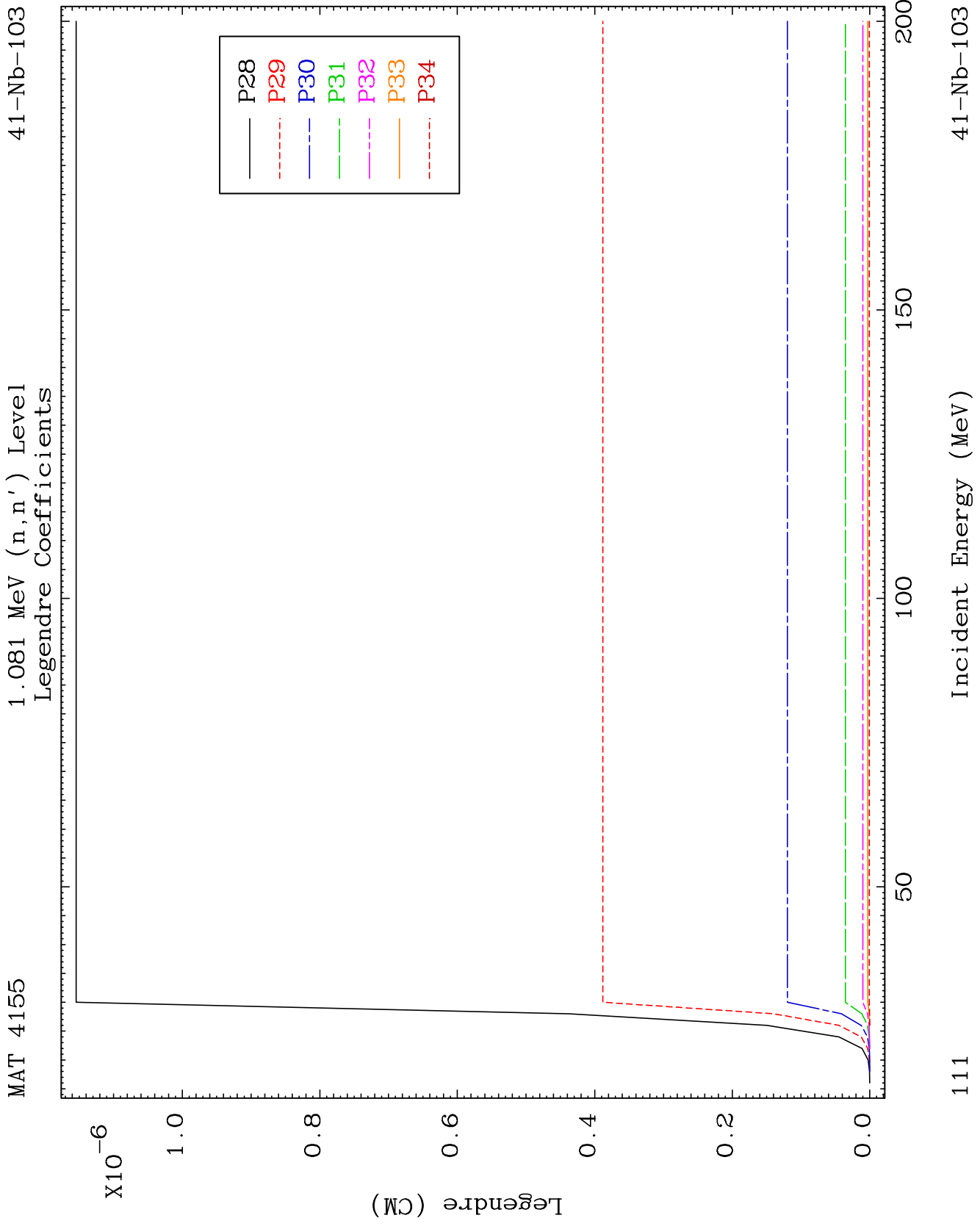
41-Nb-103



110

Incident Energy (MeV)

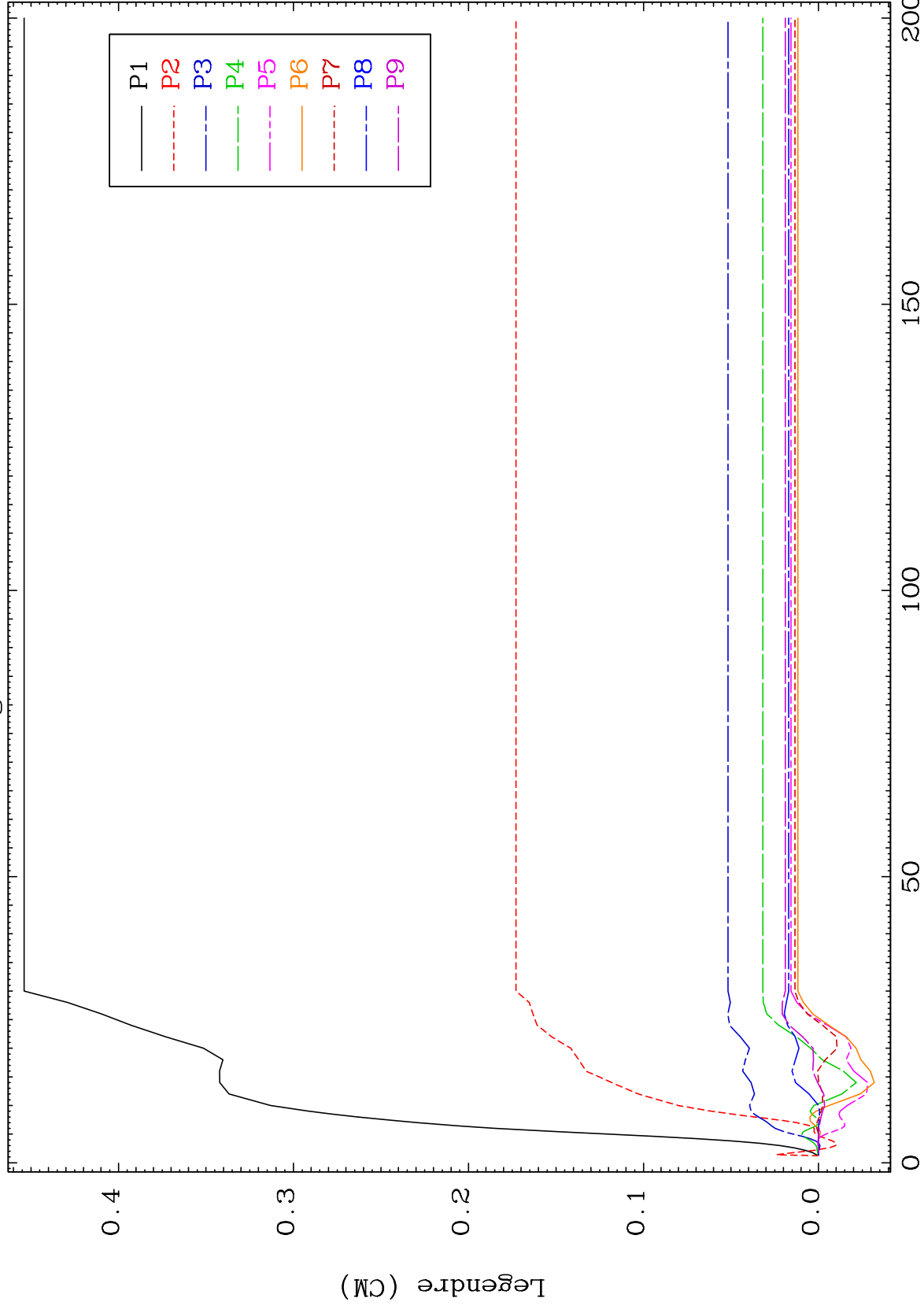
41-Nb-103



MAT 4155

1.208 MeV (n,n') Level
Legendre Coefficients

41-Nb-103



112

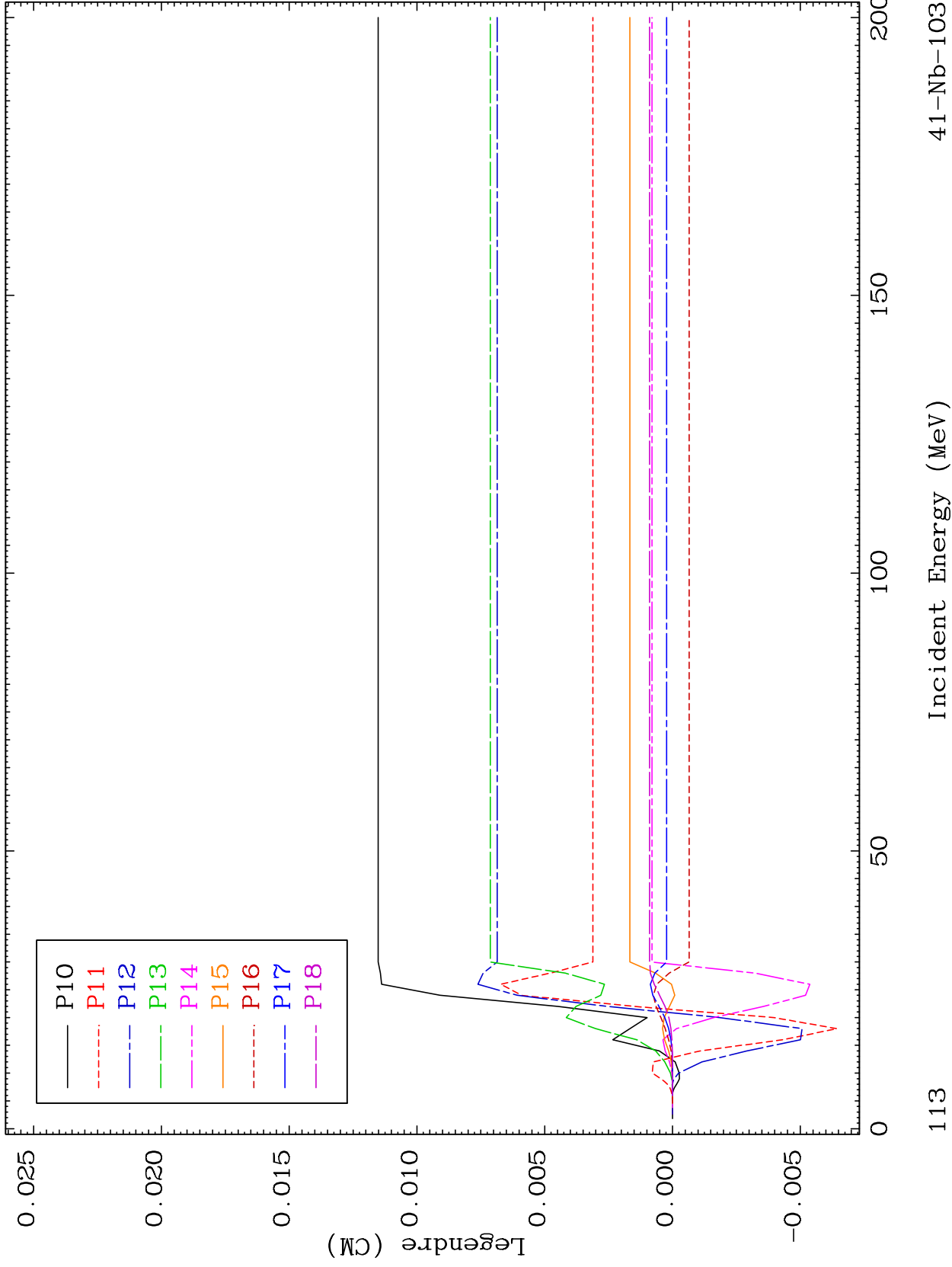
Incident Energy (MeV)

41-Nb-103

MAT 4155

1.208 MeV (n,n') Level
Legendre Coefficients

41-Nb-103



113

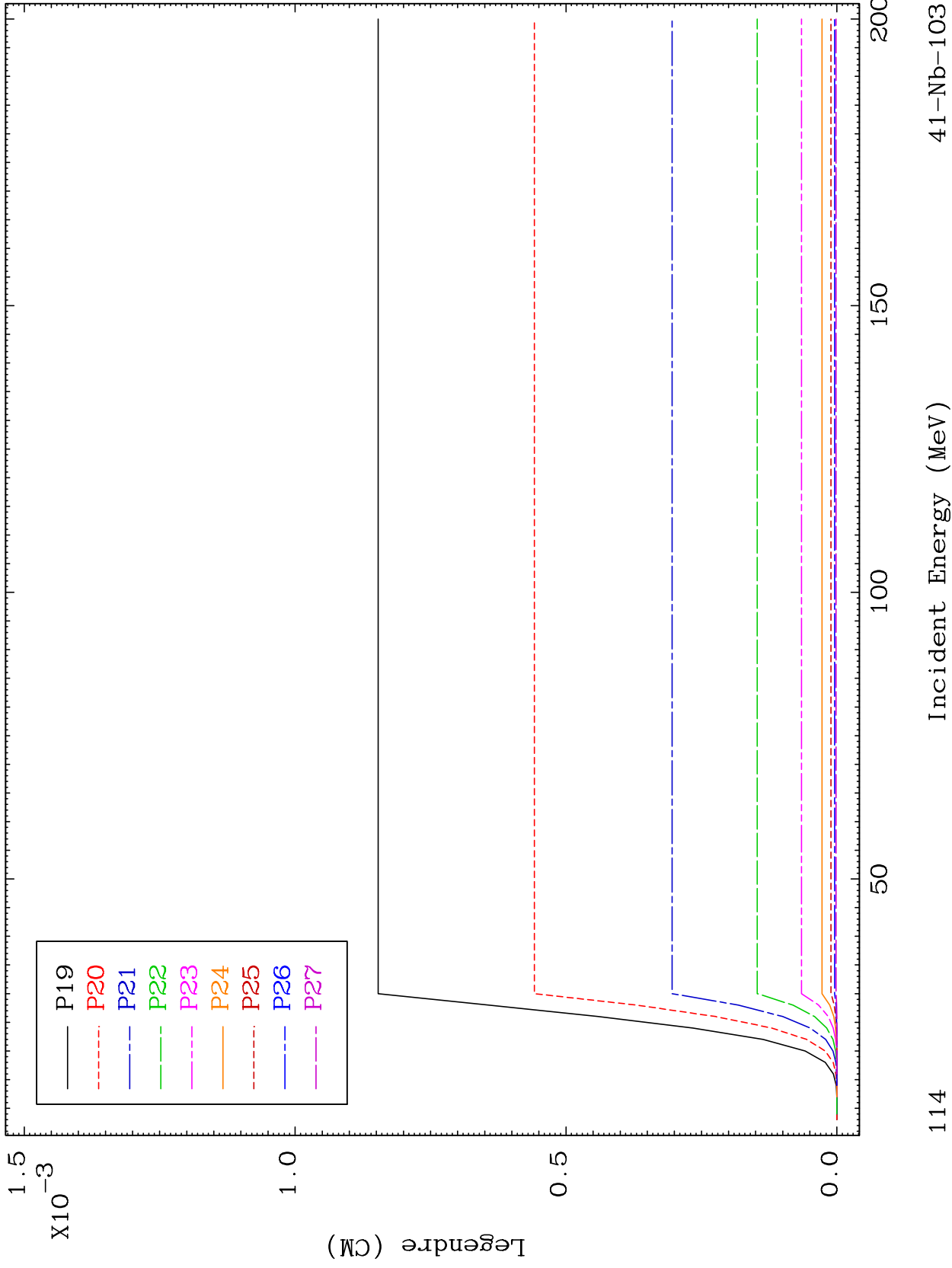
Incident Energy (MeV)

41-Nb-103

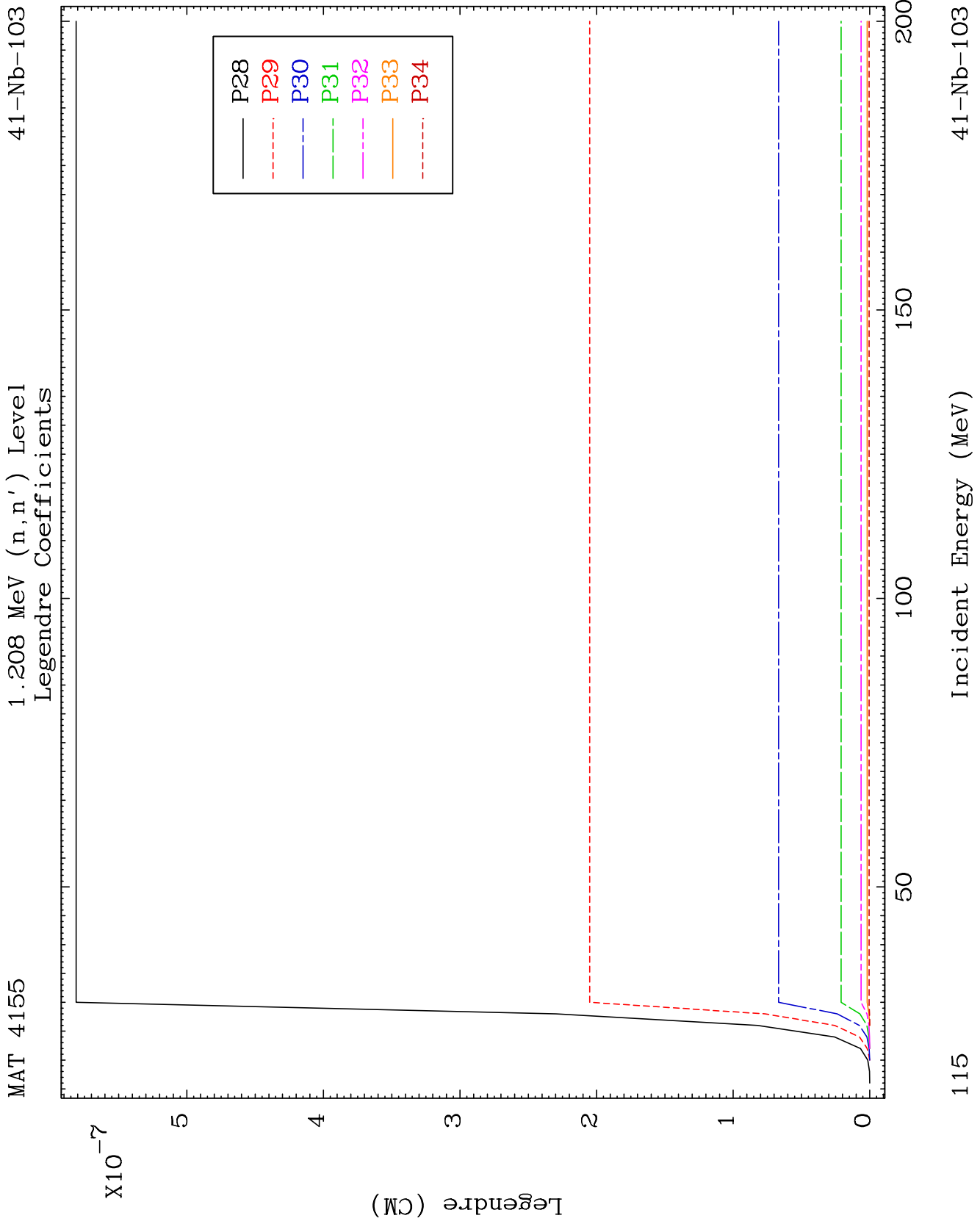
MAT 4155

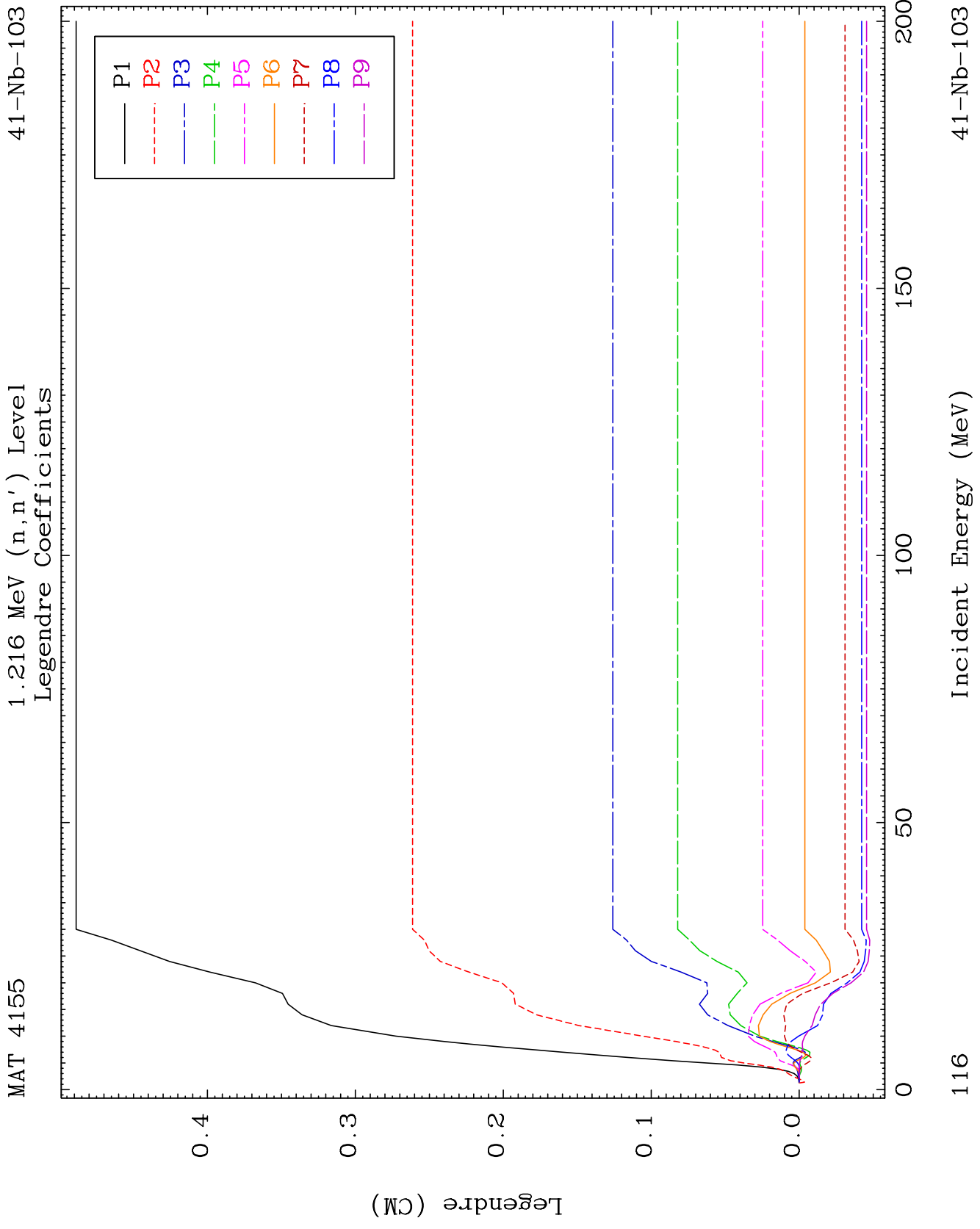
1.208 MeV (n, n') Level
Legendre Coefficients

41-Nb-103



114

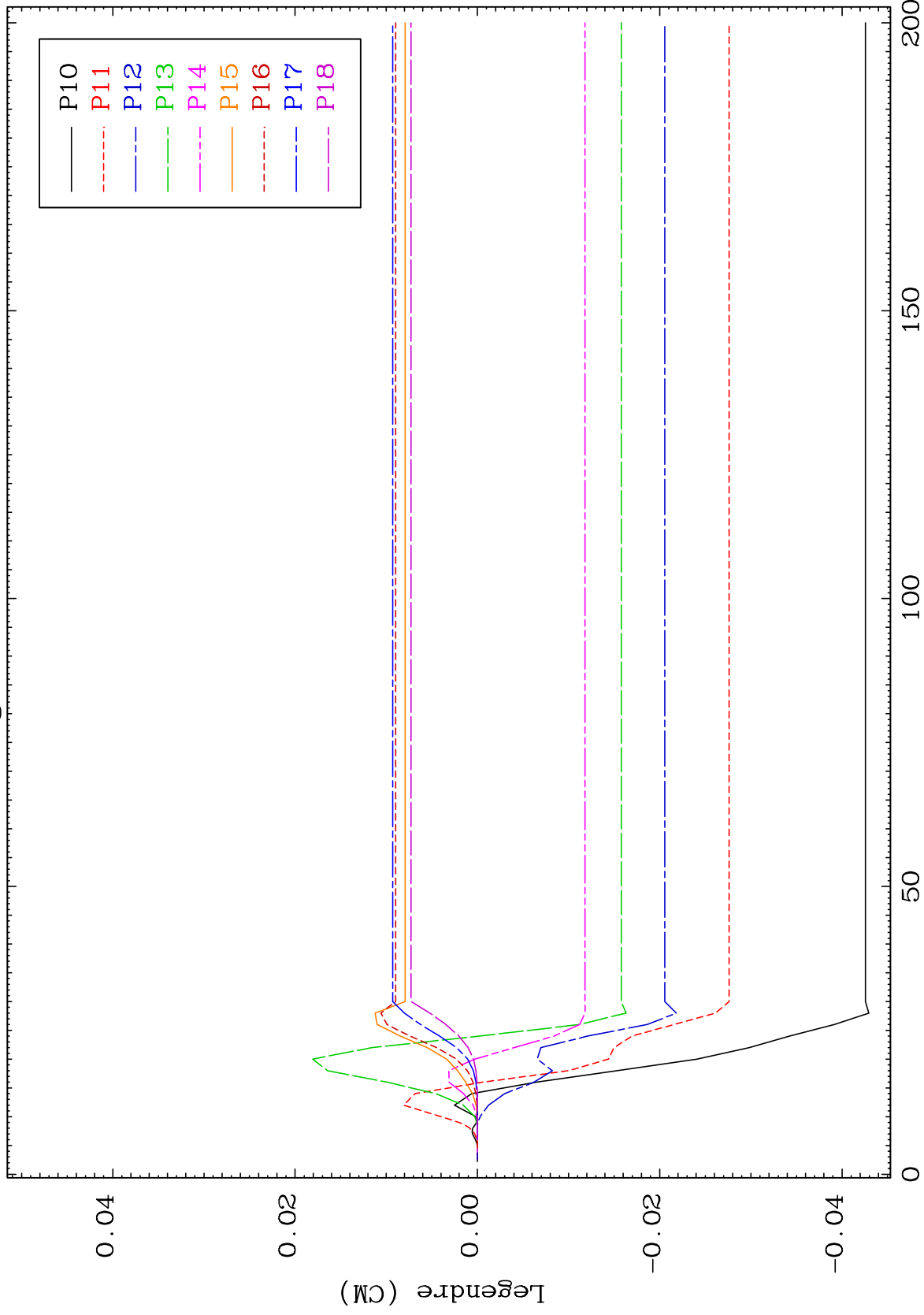




MAT 4155

1.216 MeV (n,n') Level Legendre Coefficients

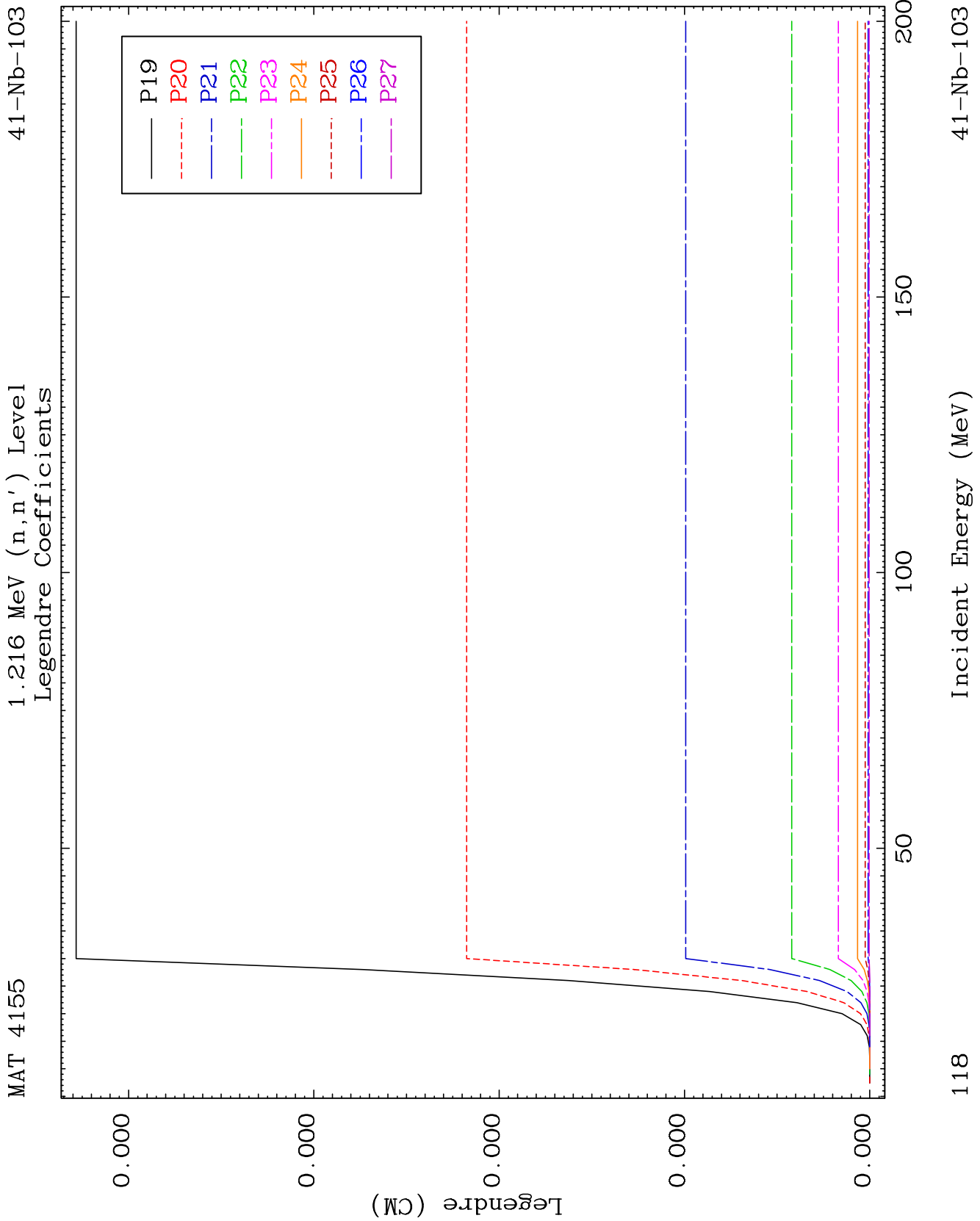
41-Nb-103

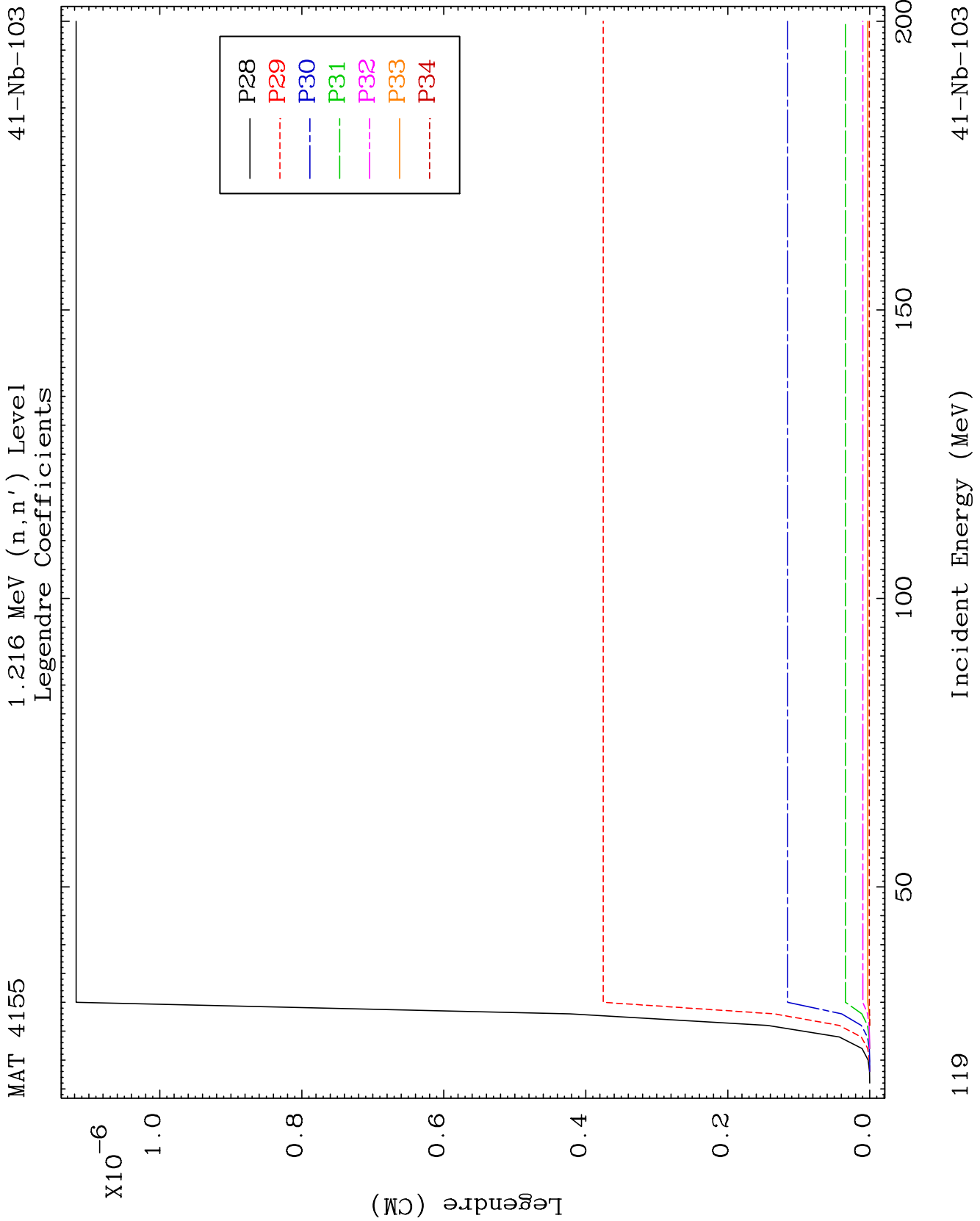


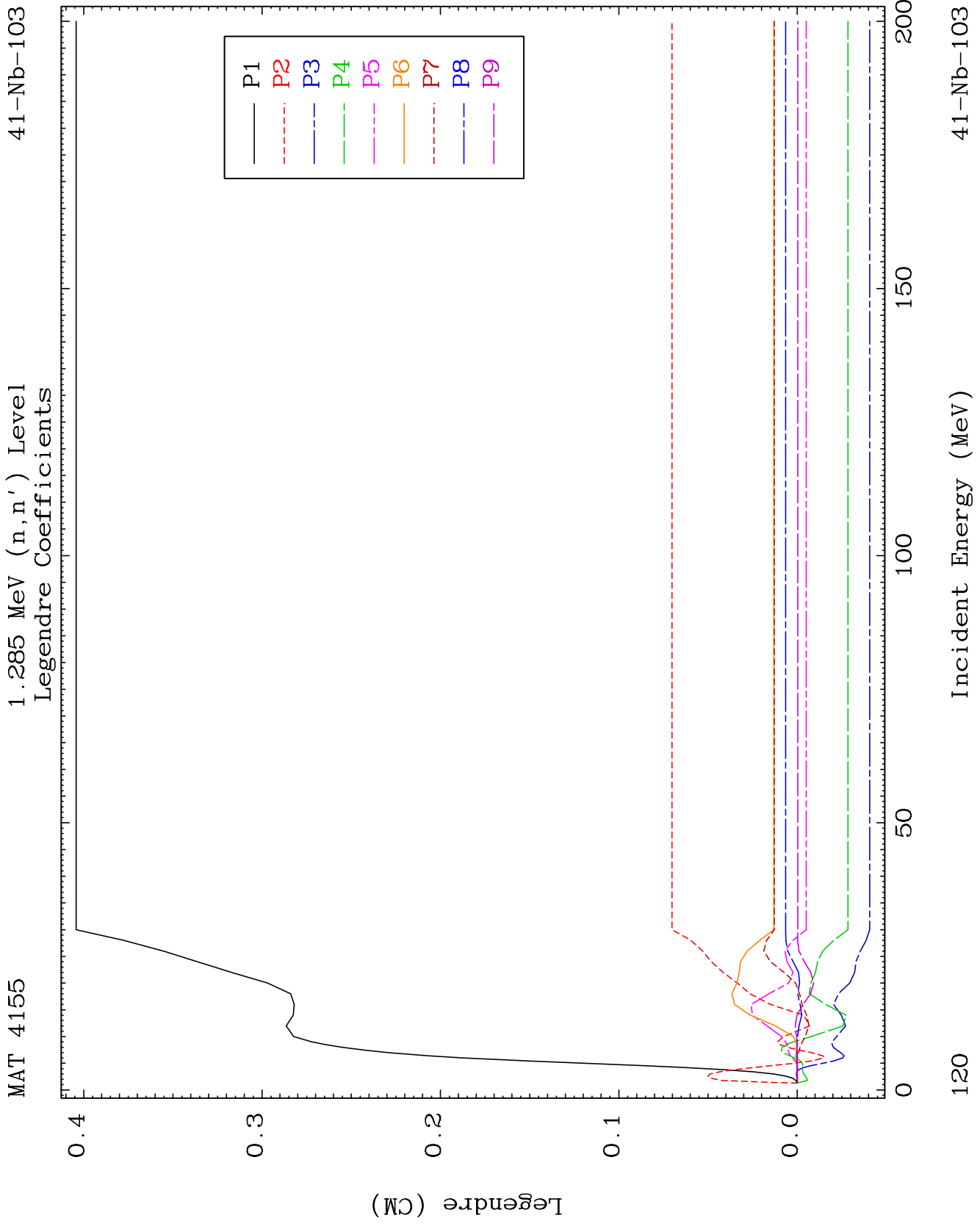
117

Incident Energy (MeV)

41-Nb-103



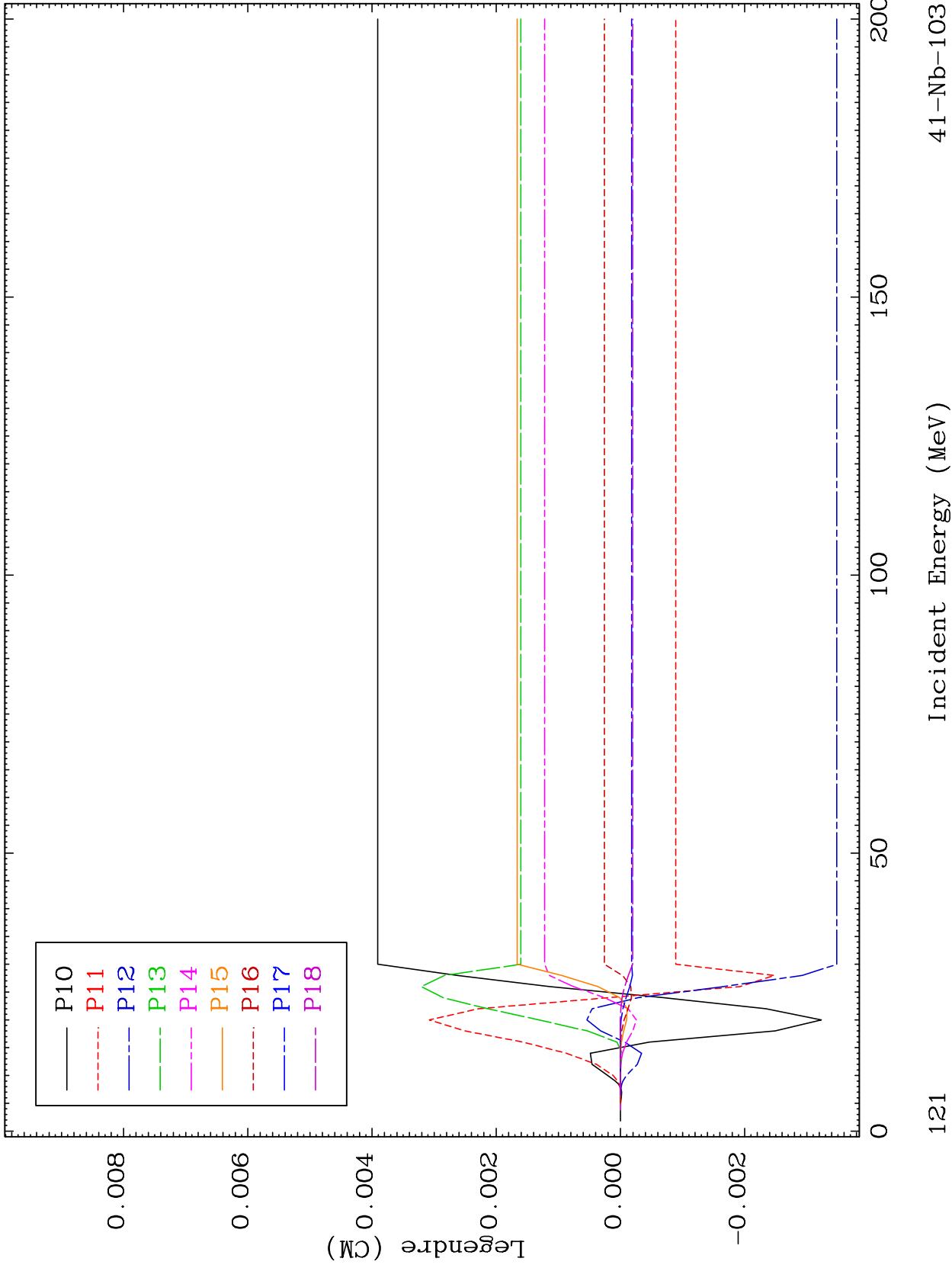




MAT 4155

1.285 MeV (n,n') Level
Legendre Coefficients

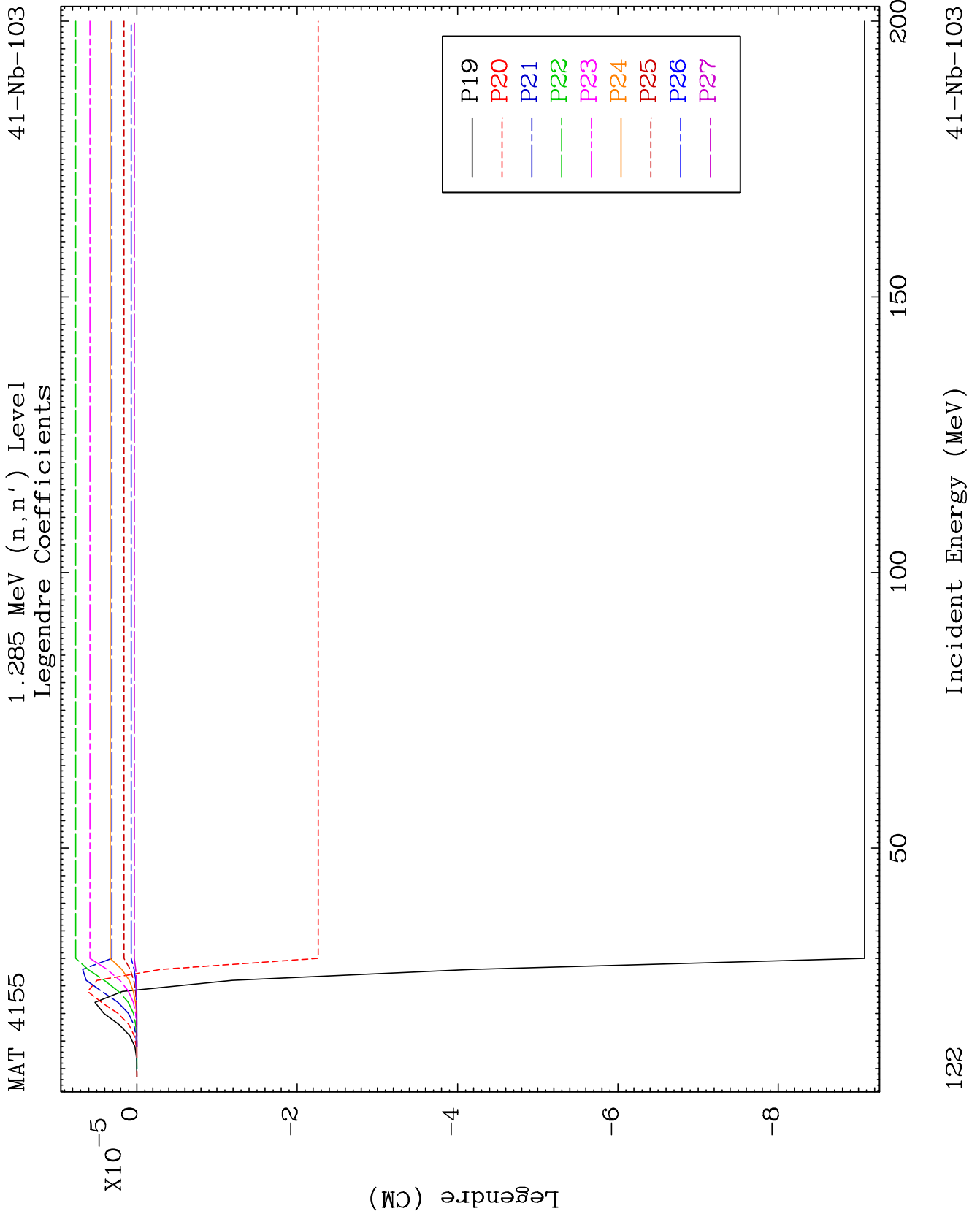
41-Nb-103



121

Incident Energy (MeV)

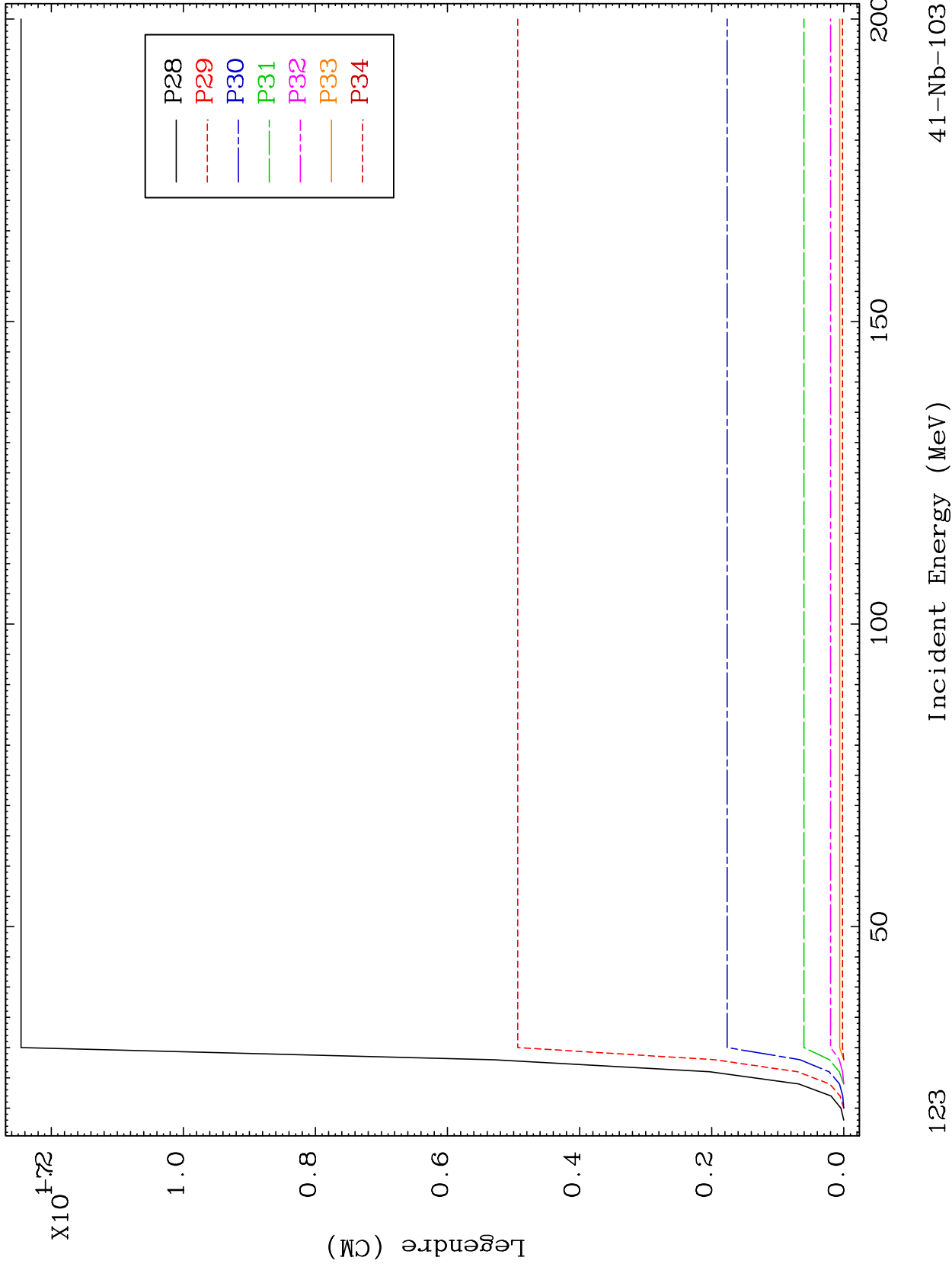
41-Nb-103



MAT 4155

1.285 MeV (n,n') Level
Legendre Coefficients

41-Nb-103



123

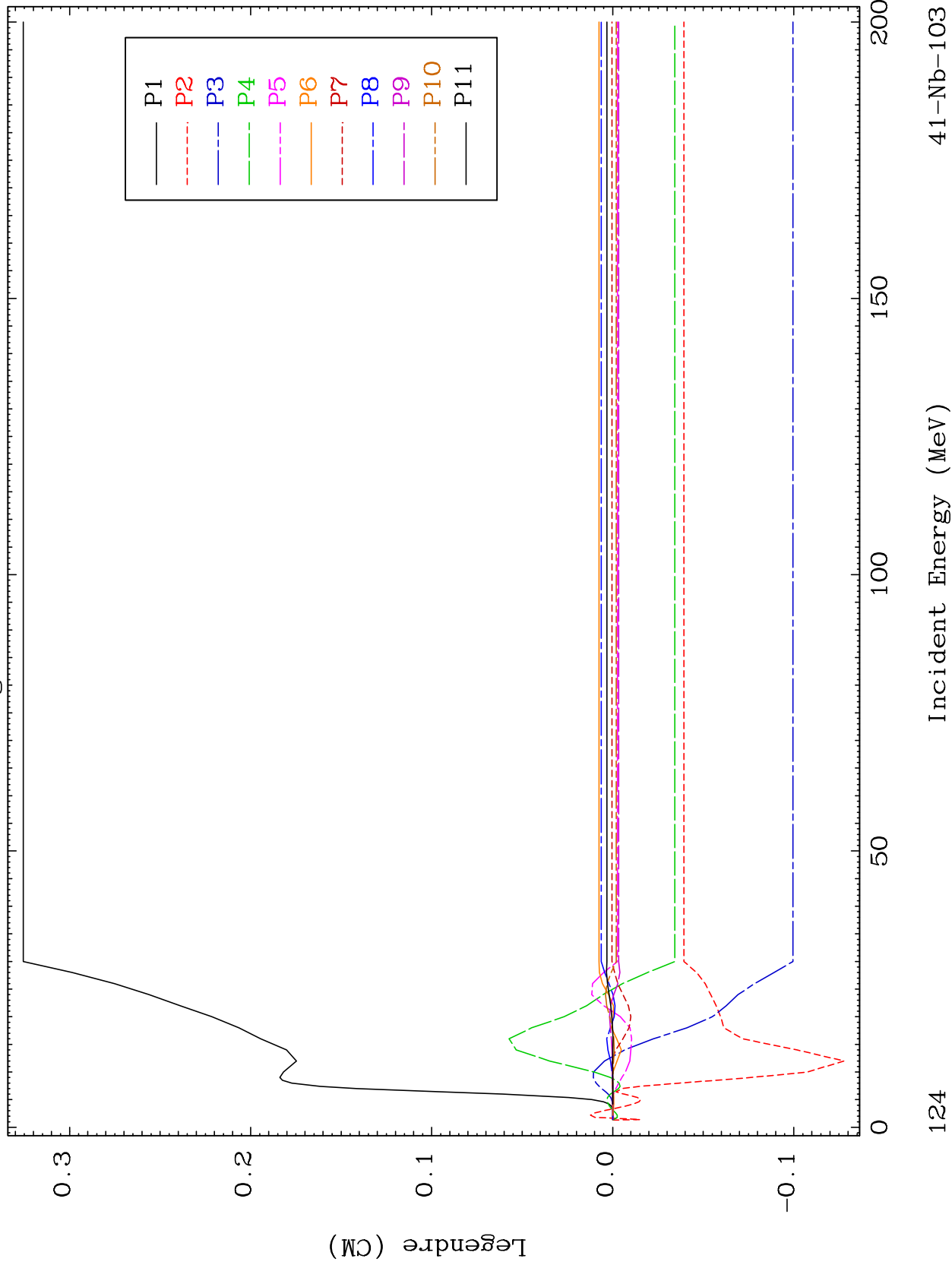
Incident Energy (MeV)

41-Nb-103

MAT 4155

1.287 MeV (n,n') Level
Legendre Coefficients

41-Nb-103



41-Nb-103

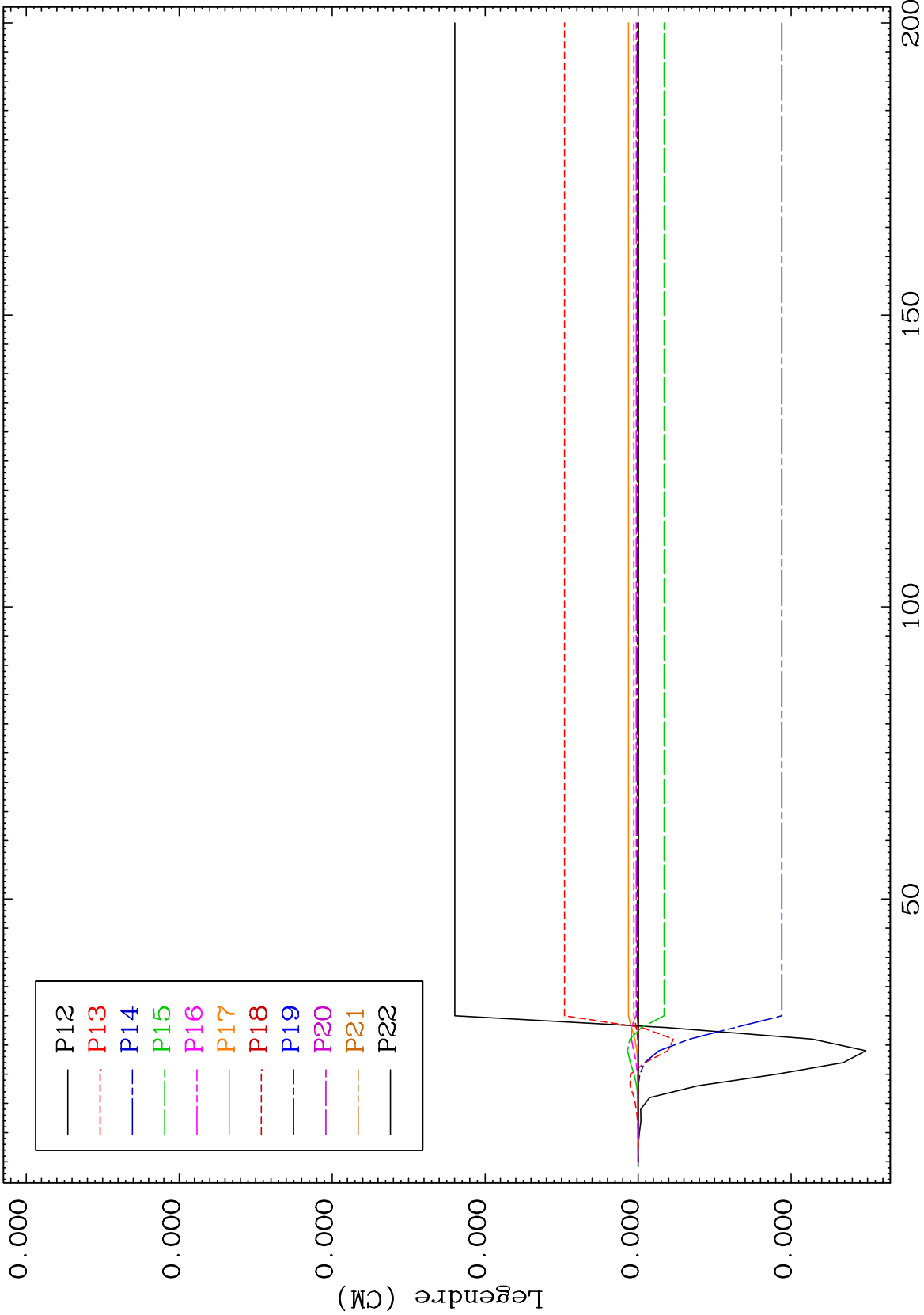
Incident Energy (MeV)

124

MAT 4155

1.287 MeV (n,n') Level
Legendre Coefficients

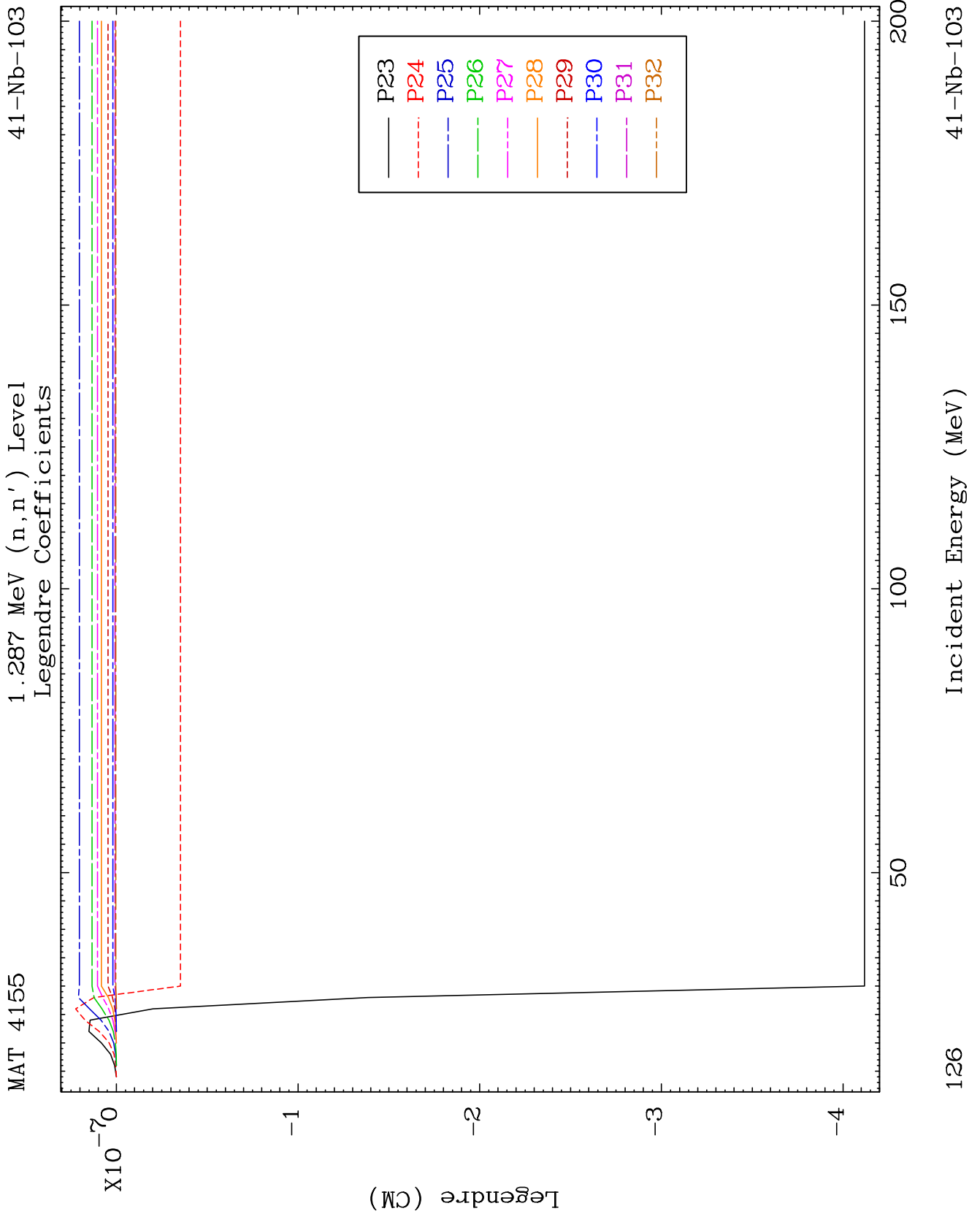
41-Nb-103

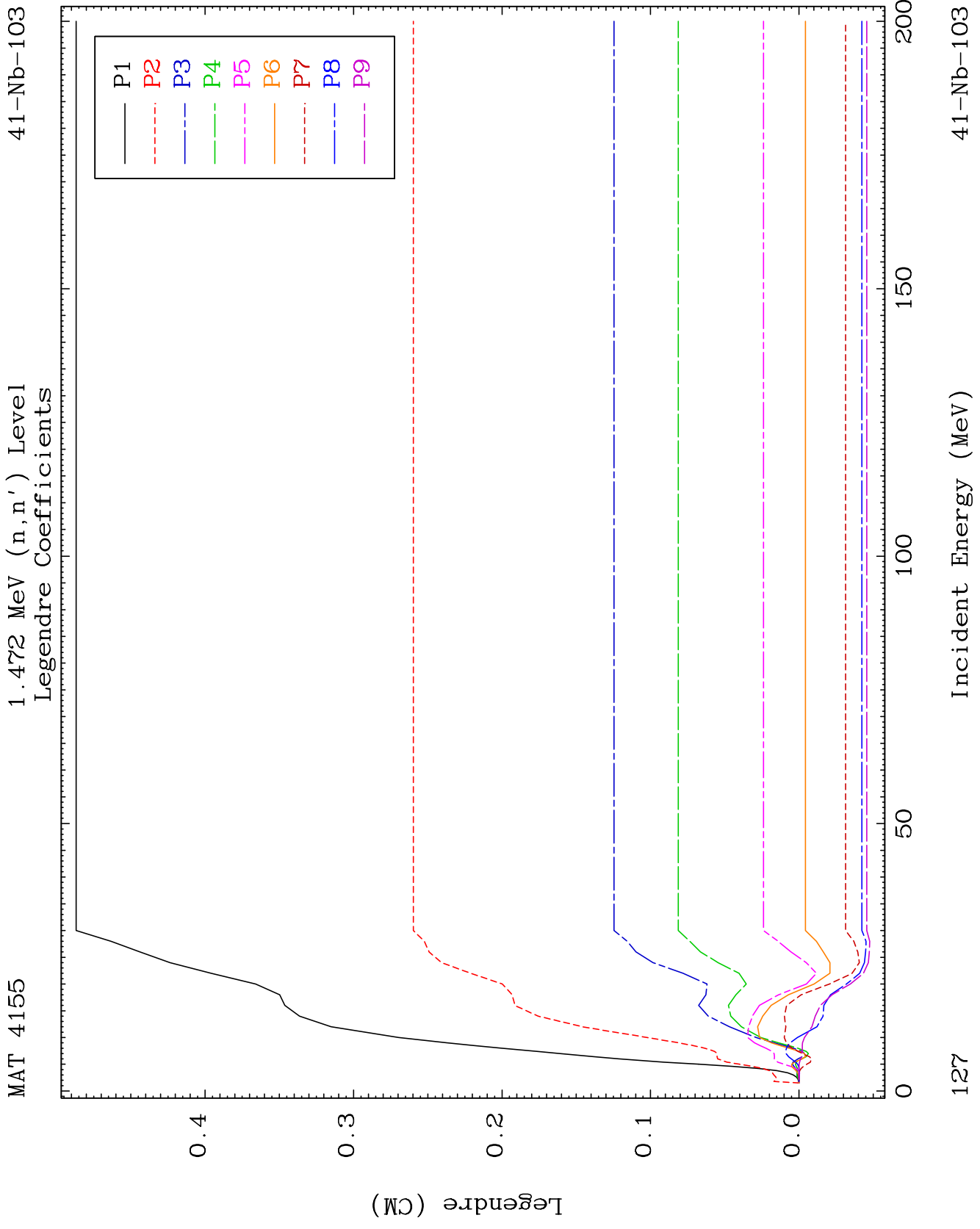


125

Incident Energy (MeV)

41-Nb-103

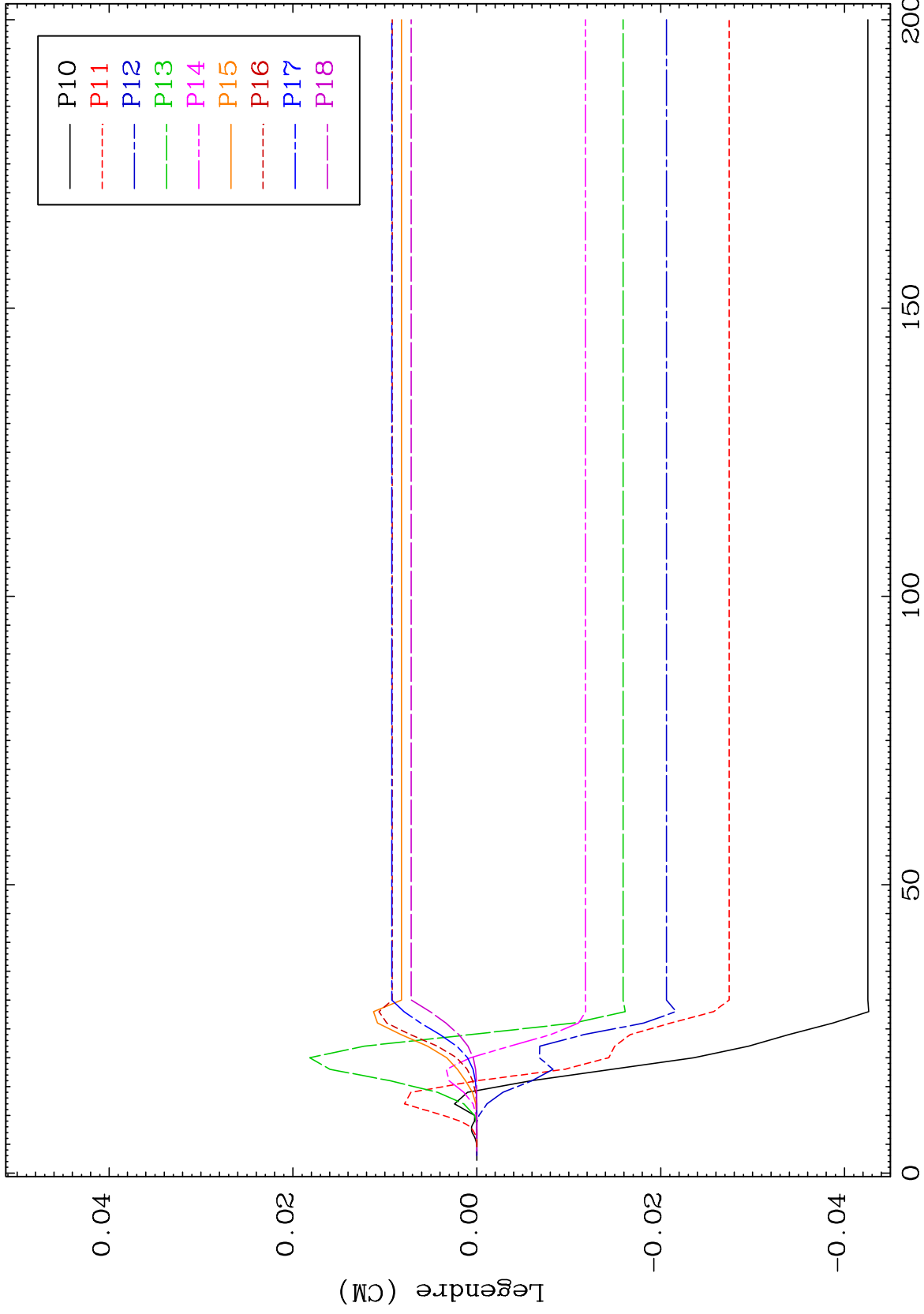




MAT 4155

1.472 MeV (n,n') Level
Legendre Coefficients

41-Nb-103



128

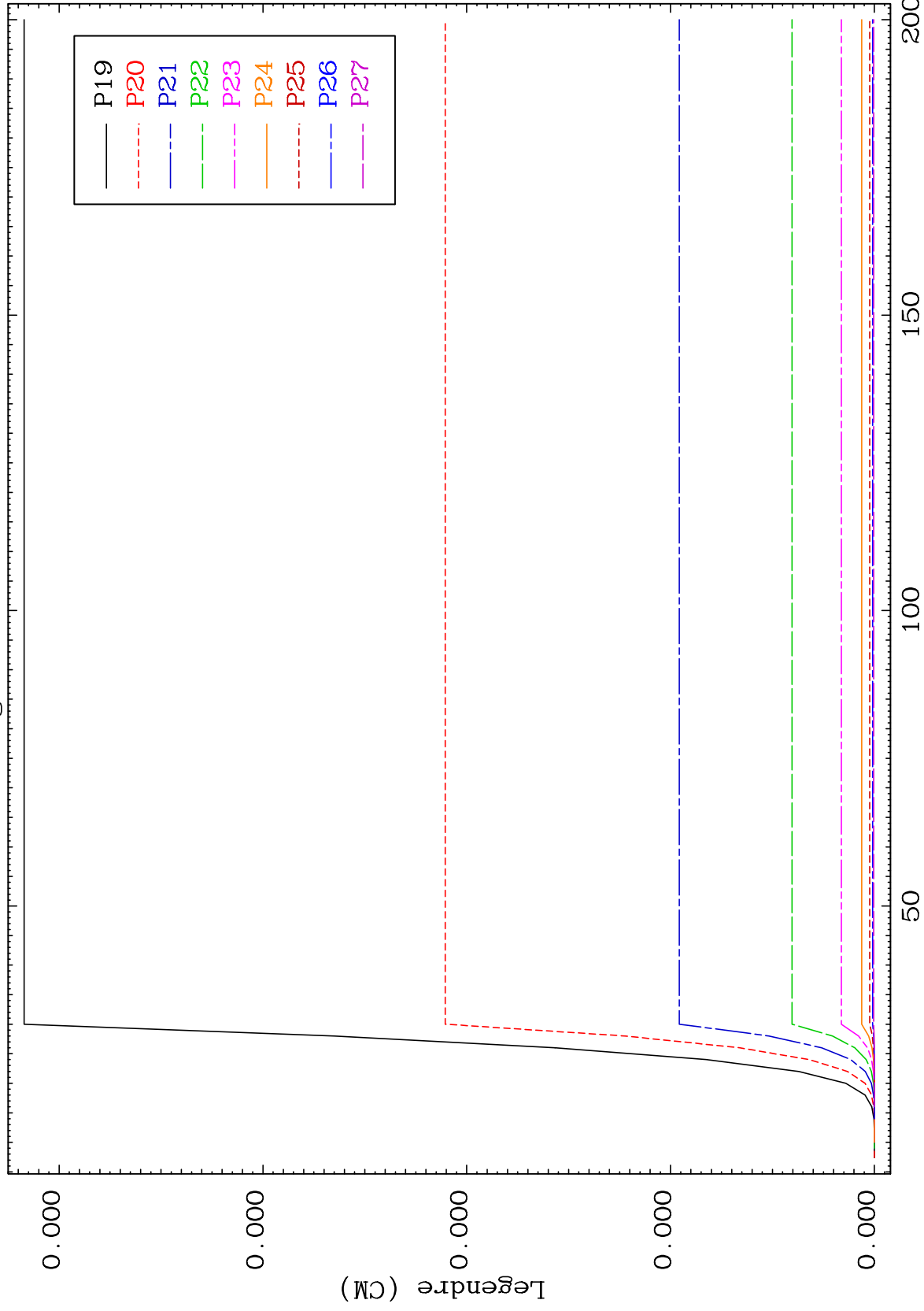
Incident Energy (MeV)

41-Nb-103

MAT 4155

1.472 MeV (n,n') Level
Legendre Coefficients

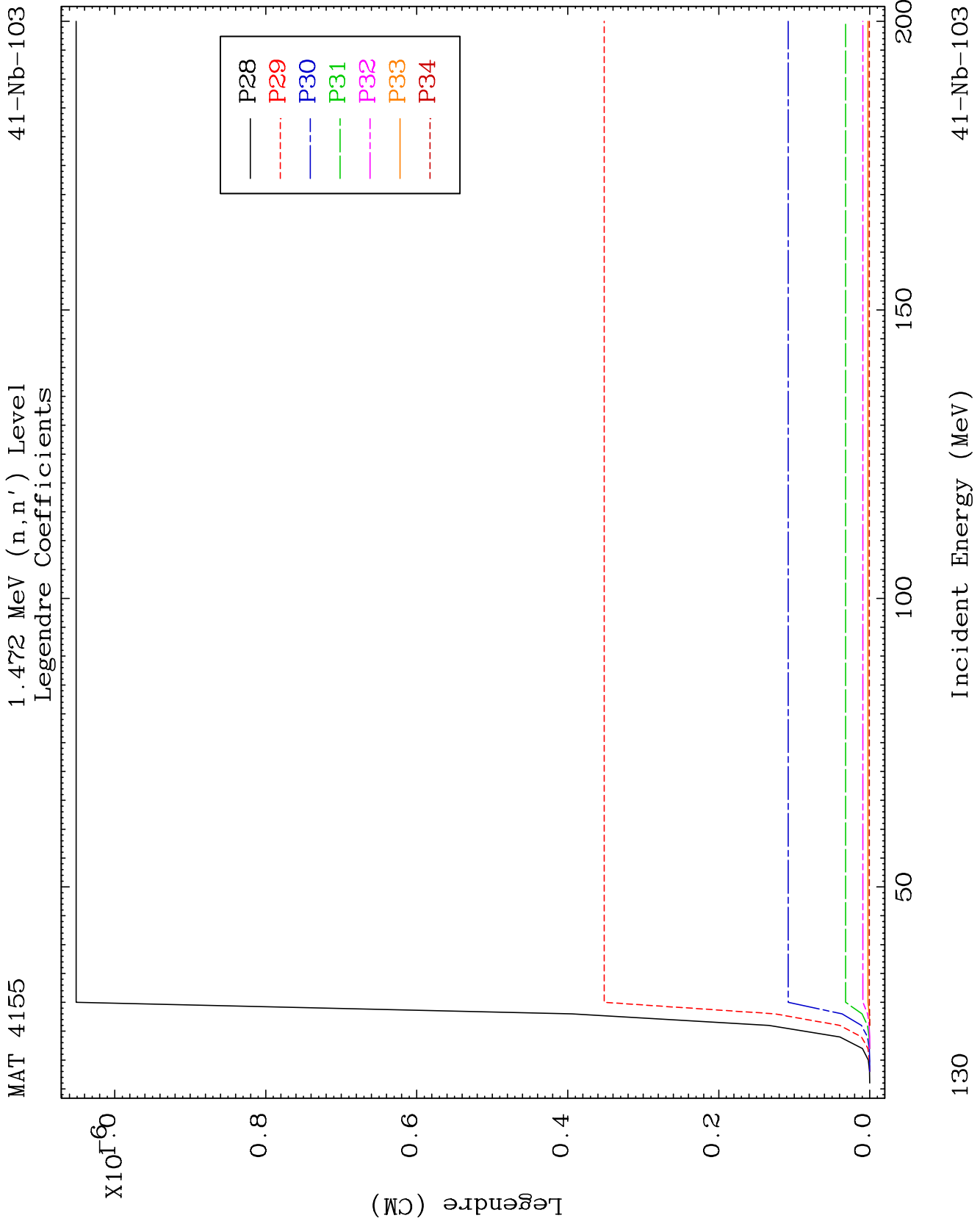
41-Nb-103

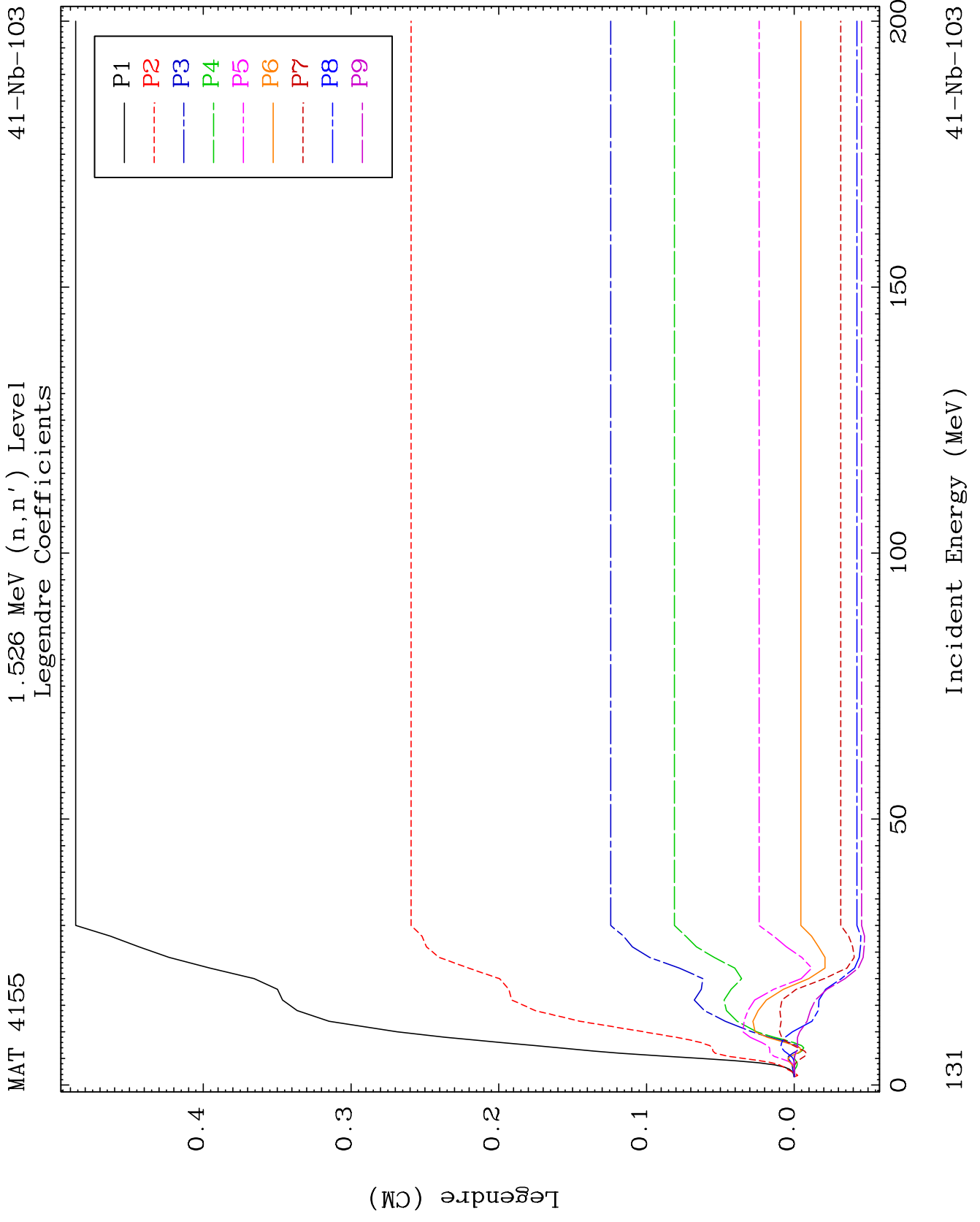


129

Incident Energy (MeV)

41-Nb-103

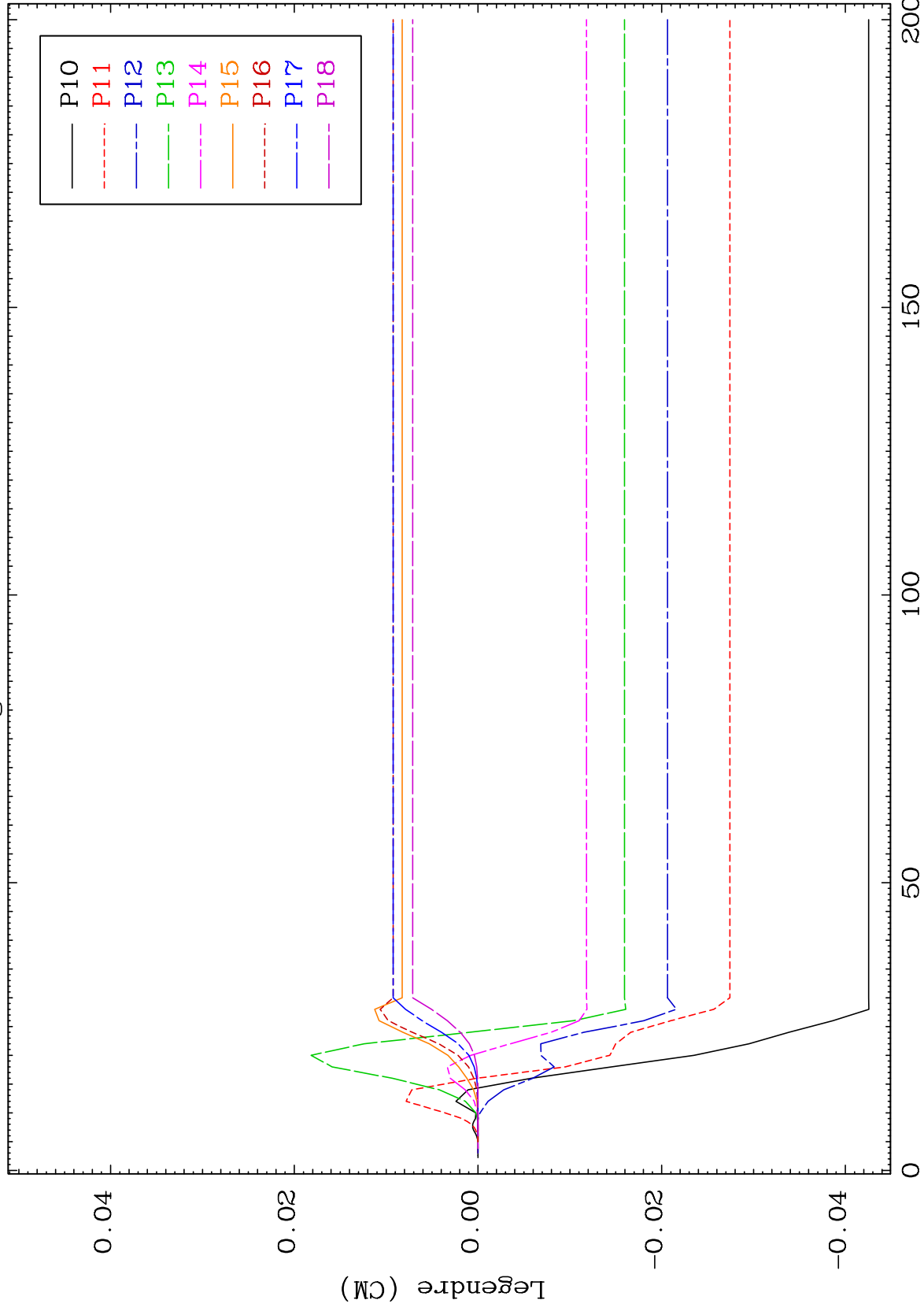




MAT 4155

1.526 MeV (n,n') Level
Legendre Coefficients

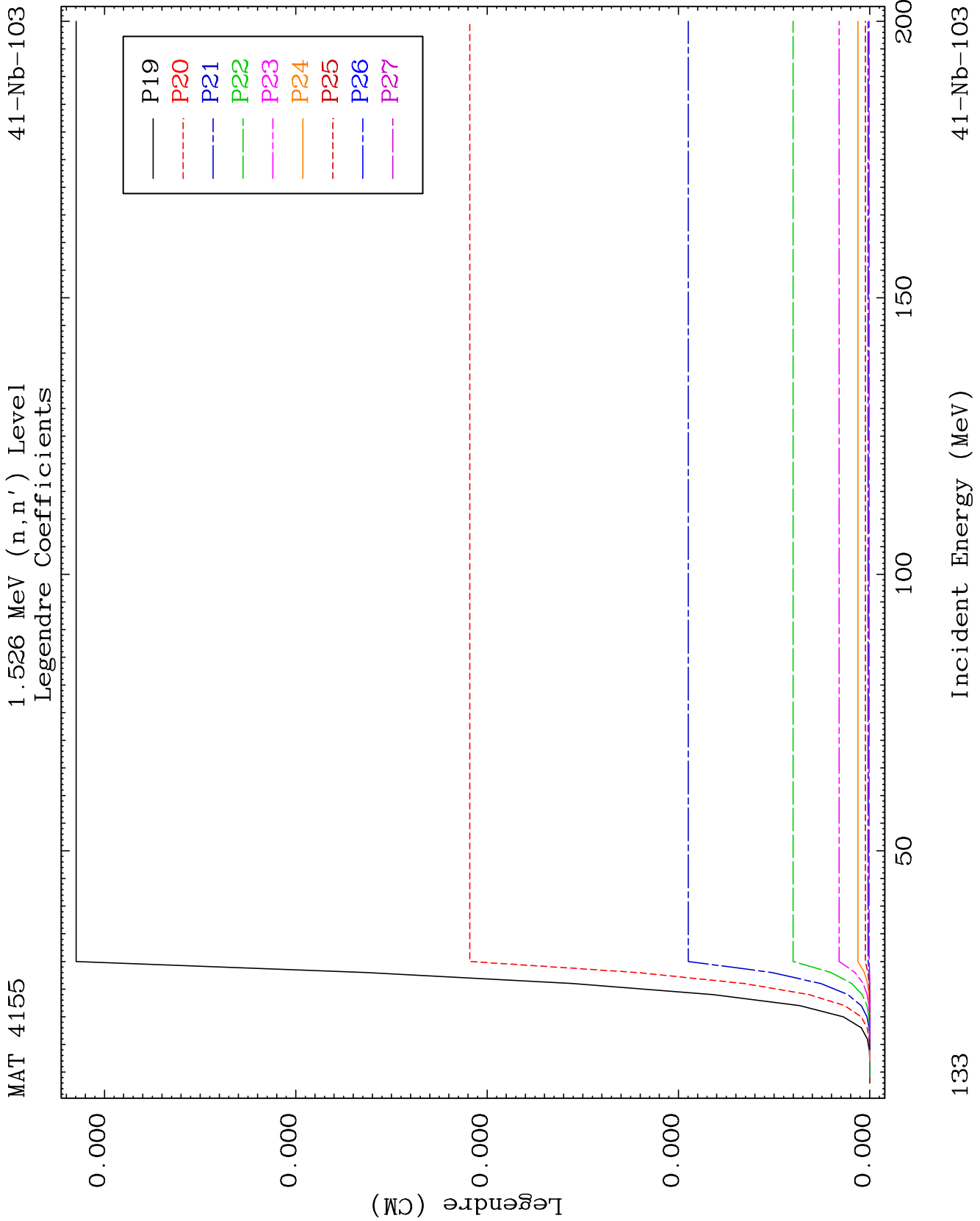
41-Nb-103

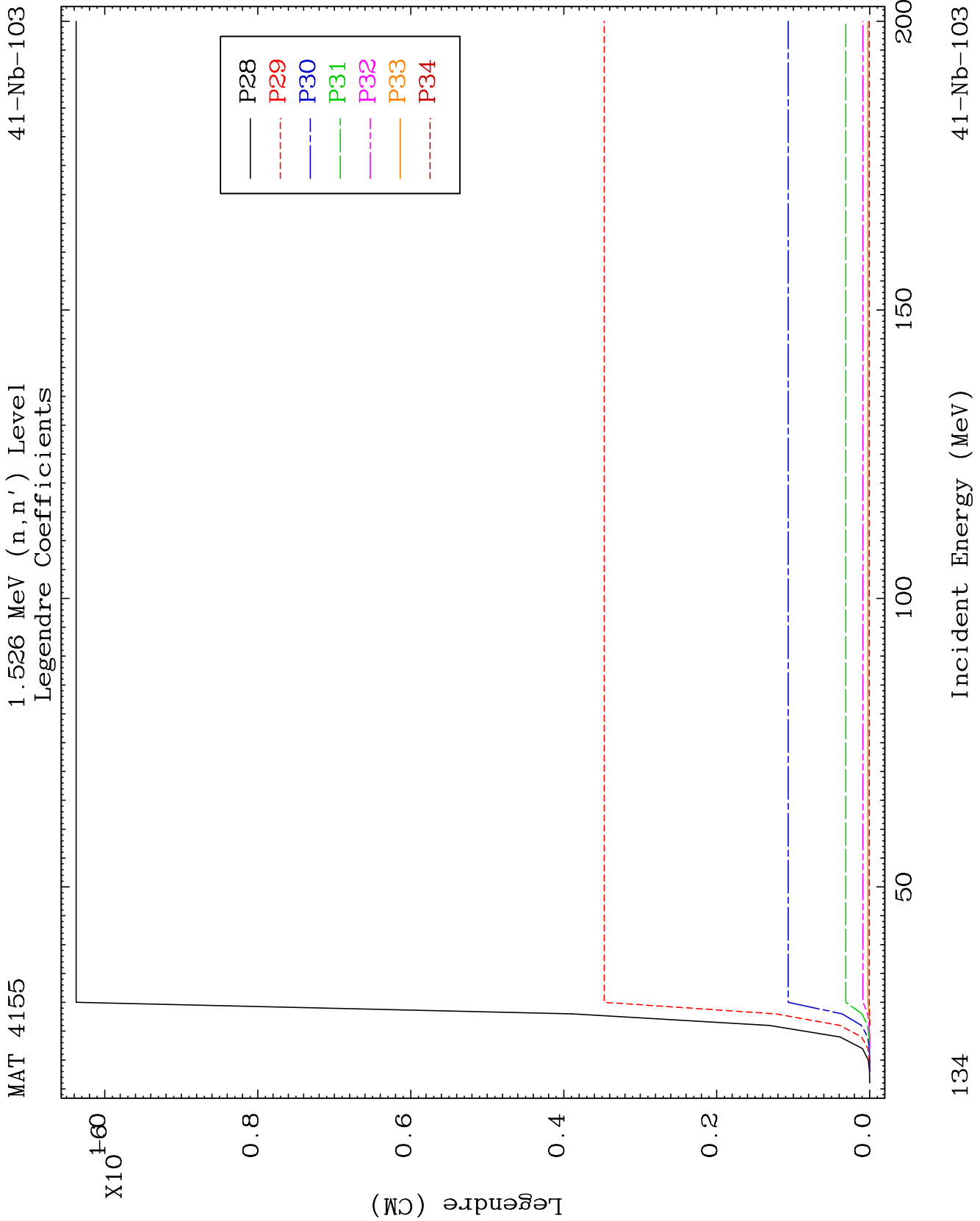


132

Incident Energy (MeV)

41-Nb-103

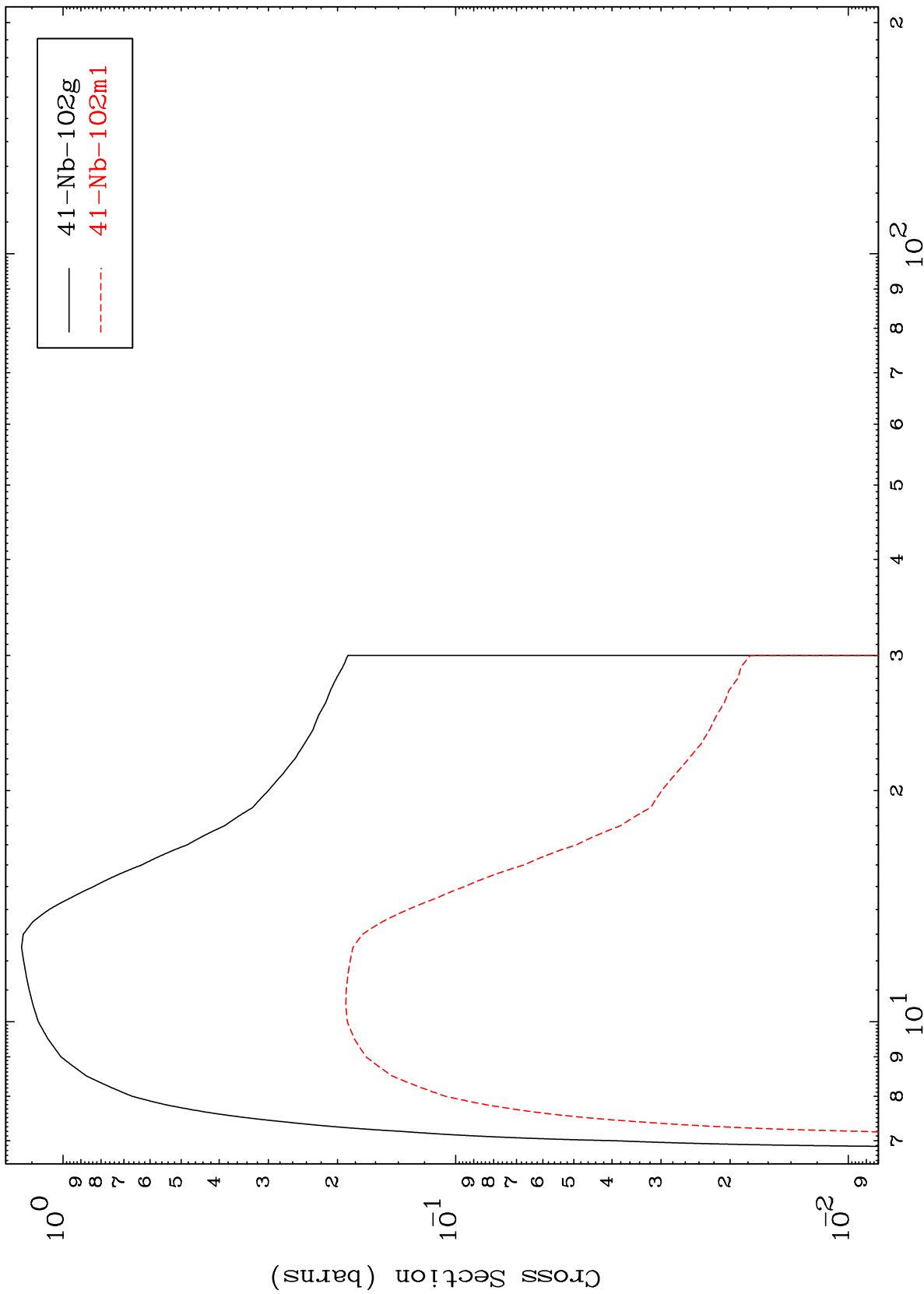




MAT 4155

41-Nb-103

(n,2n)
Radionuclide Production Cross Section



135

Incident Energy (MeV)

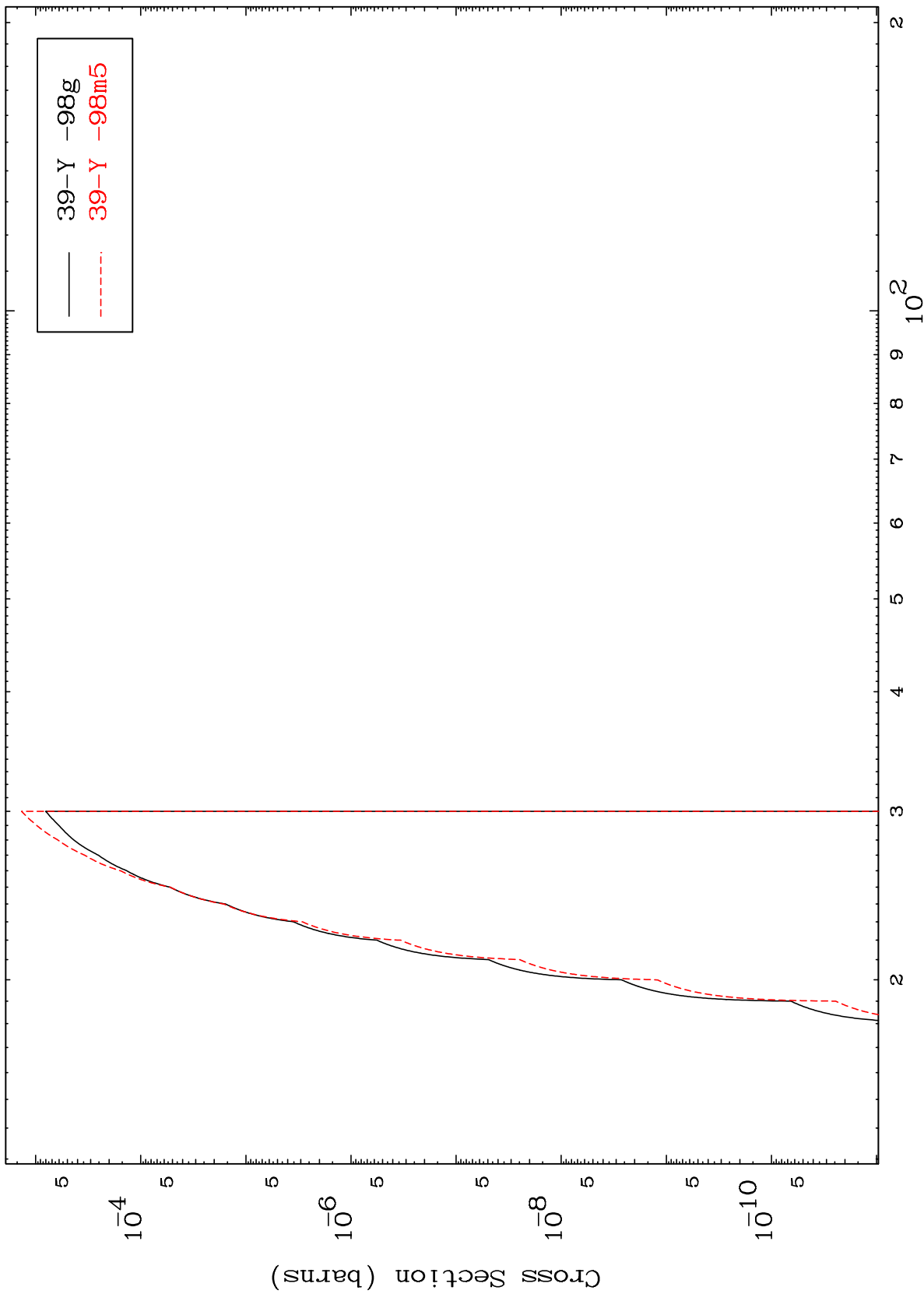
41-Nb-103

MAT 4155

(n,2n) α

41-Nb-103

Radionuclide Production Cross Section



136

Incident Energy (MeV)

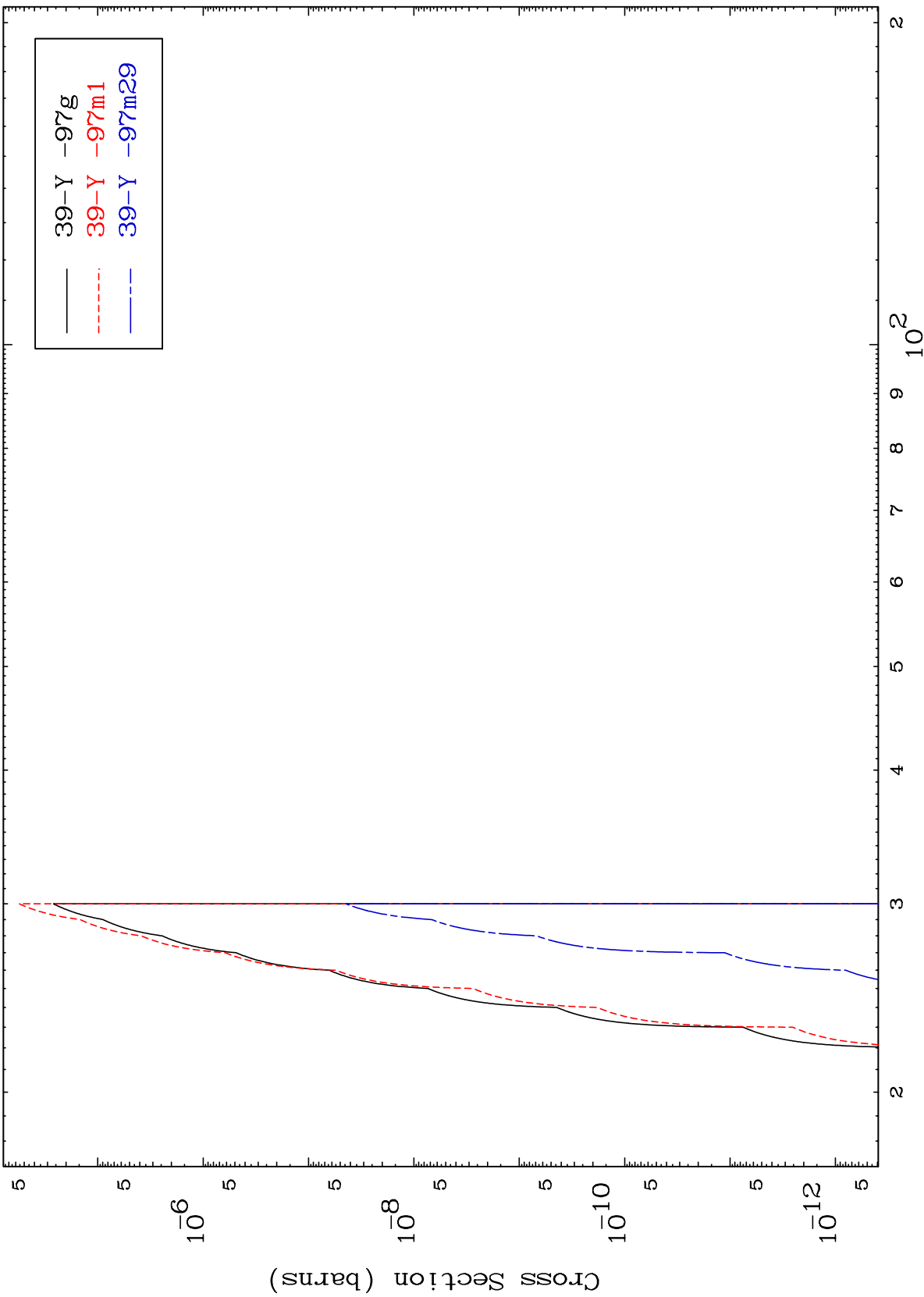
41-Nb-103

MAT 4155

(n,3n) α

41-Nb-103

Radionuclide Production Cross Section

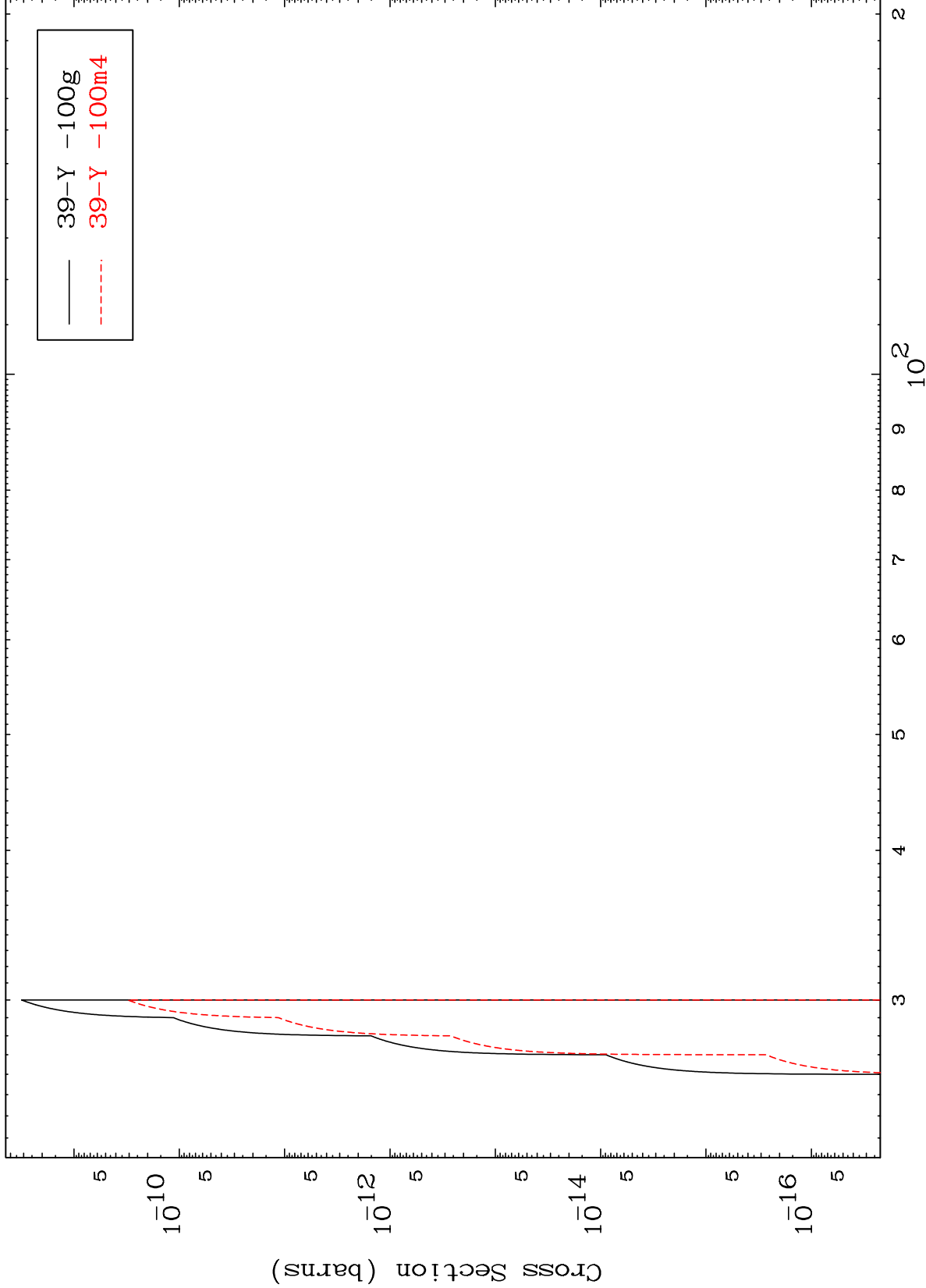


137

Incident Energy (MeV)

41-Nb-103

Radionuclide Production Cross Section

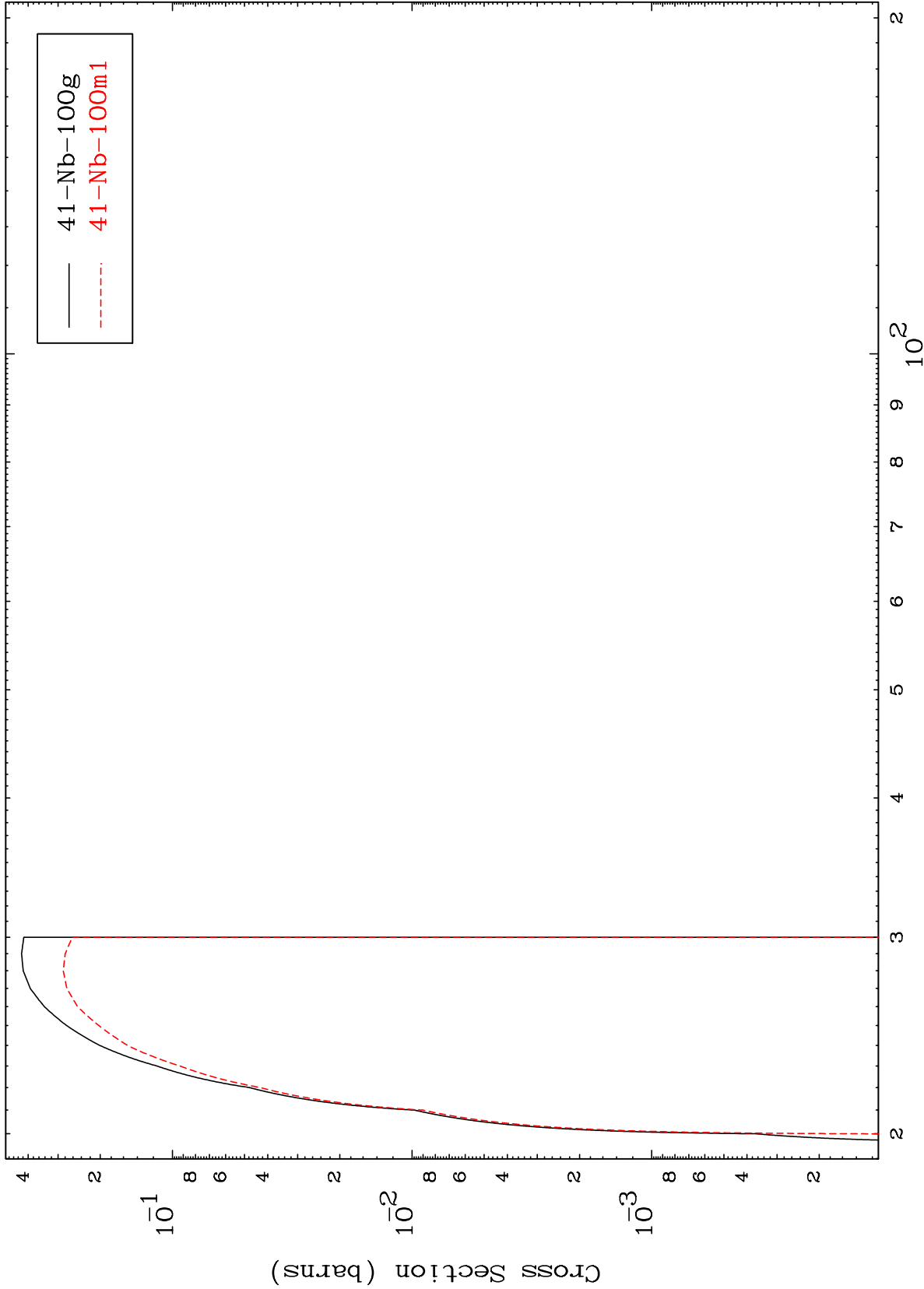


MAT 4155

(n,4n)

41-Nb-103

Radionuclide Production Cross Section



139

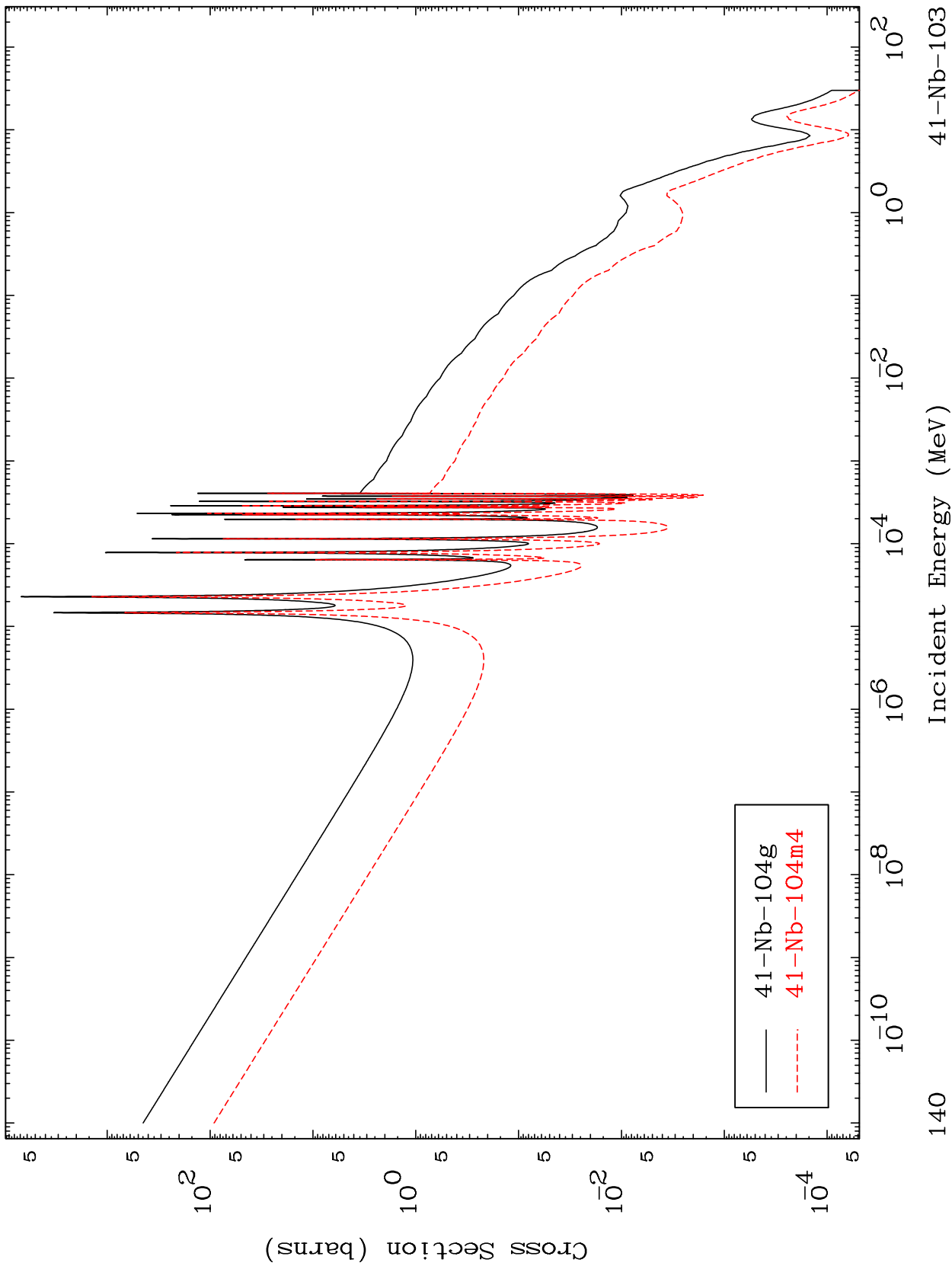
Incident Energy (MeV)

41-Nb-103

MAT 4155

41-Nb-103

(n, γ)
Radionuclide Production Cross Section



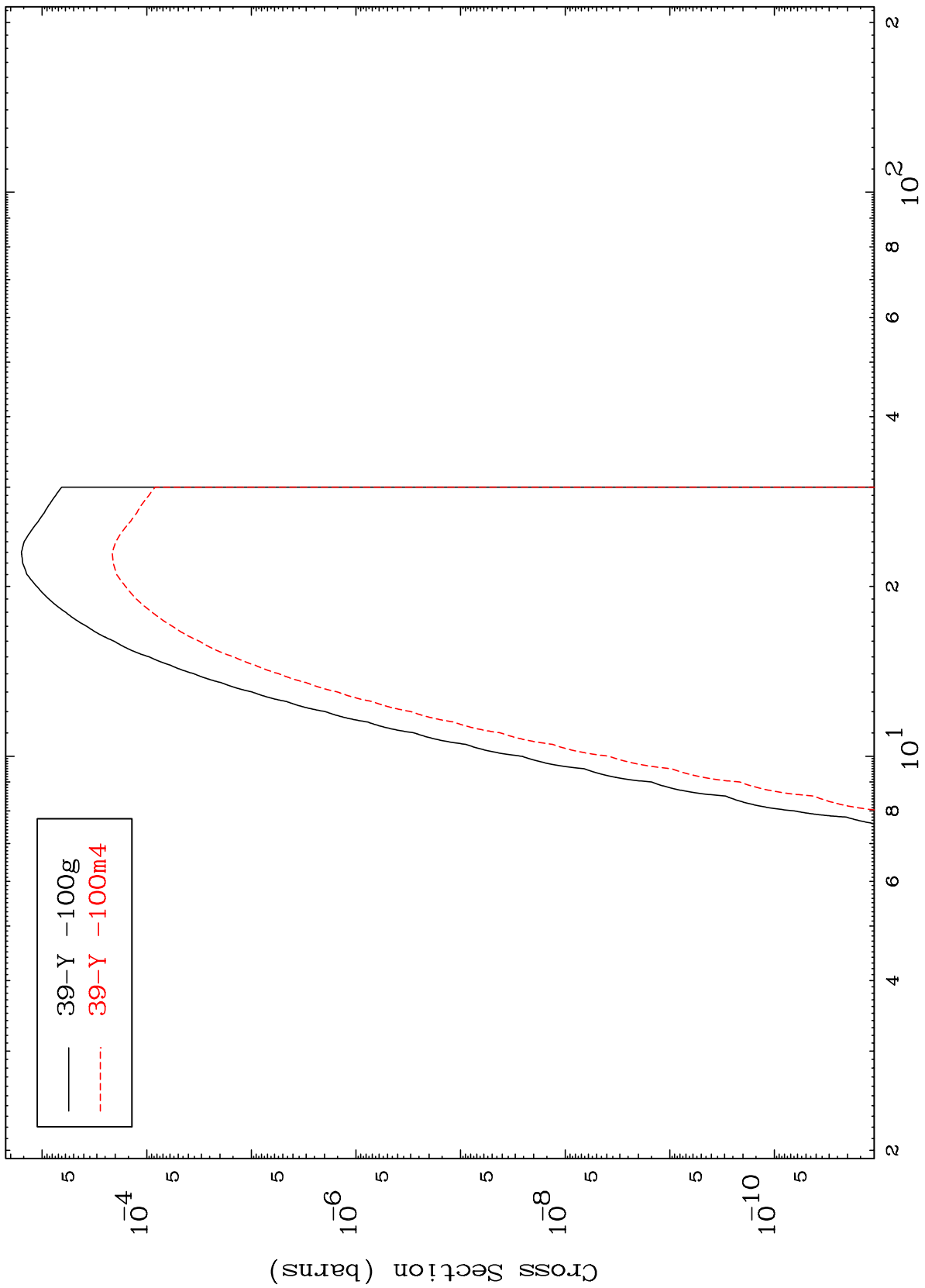
140

41-Nb-103

MAT 4155

41-Nb-103

Radionuclide Production Cross Section
(n, α)



— 39-Y -100g
- - - 39-Y -100m4

141

Incident Energy (MeV)

41-Nb-103