

Program EVALPLOT
(Version 2015-2)

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:home.comcast.net/~redcullen1

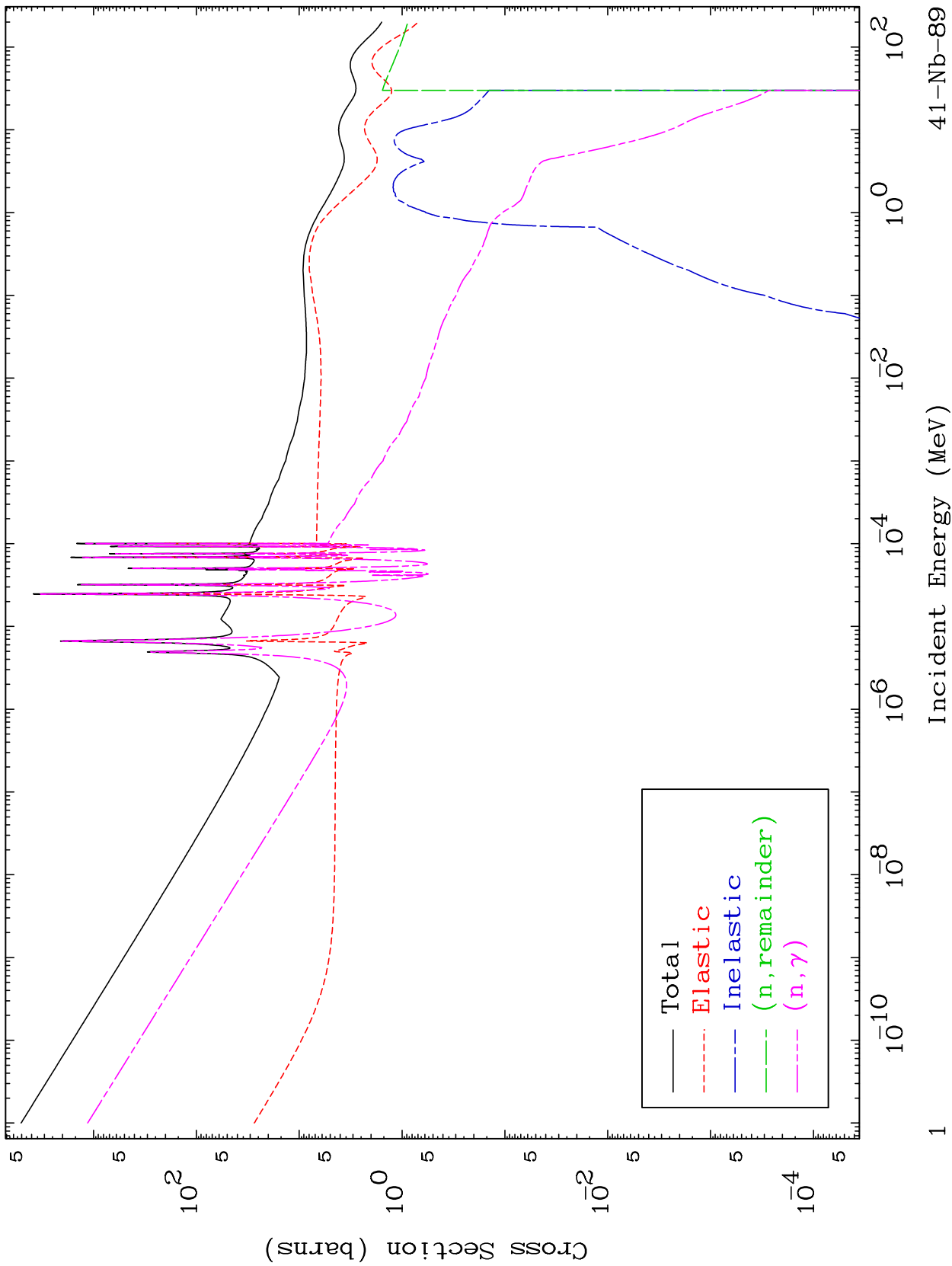
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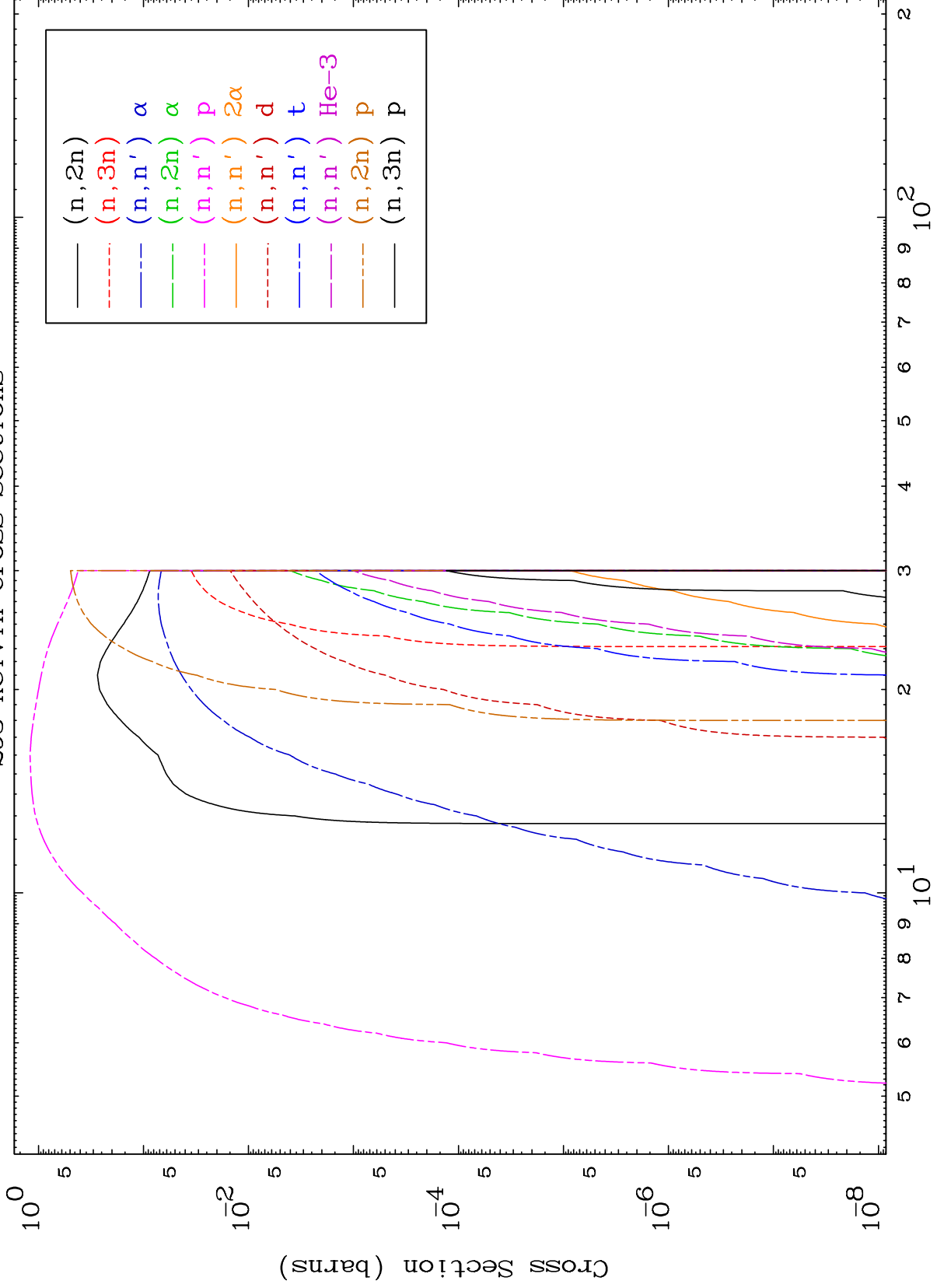
MAT 4113

Major

293 Kelvin Cross Sections

41-Nb-89

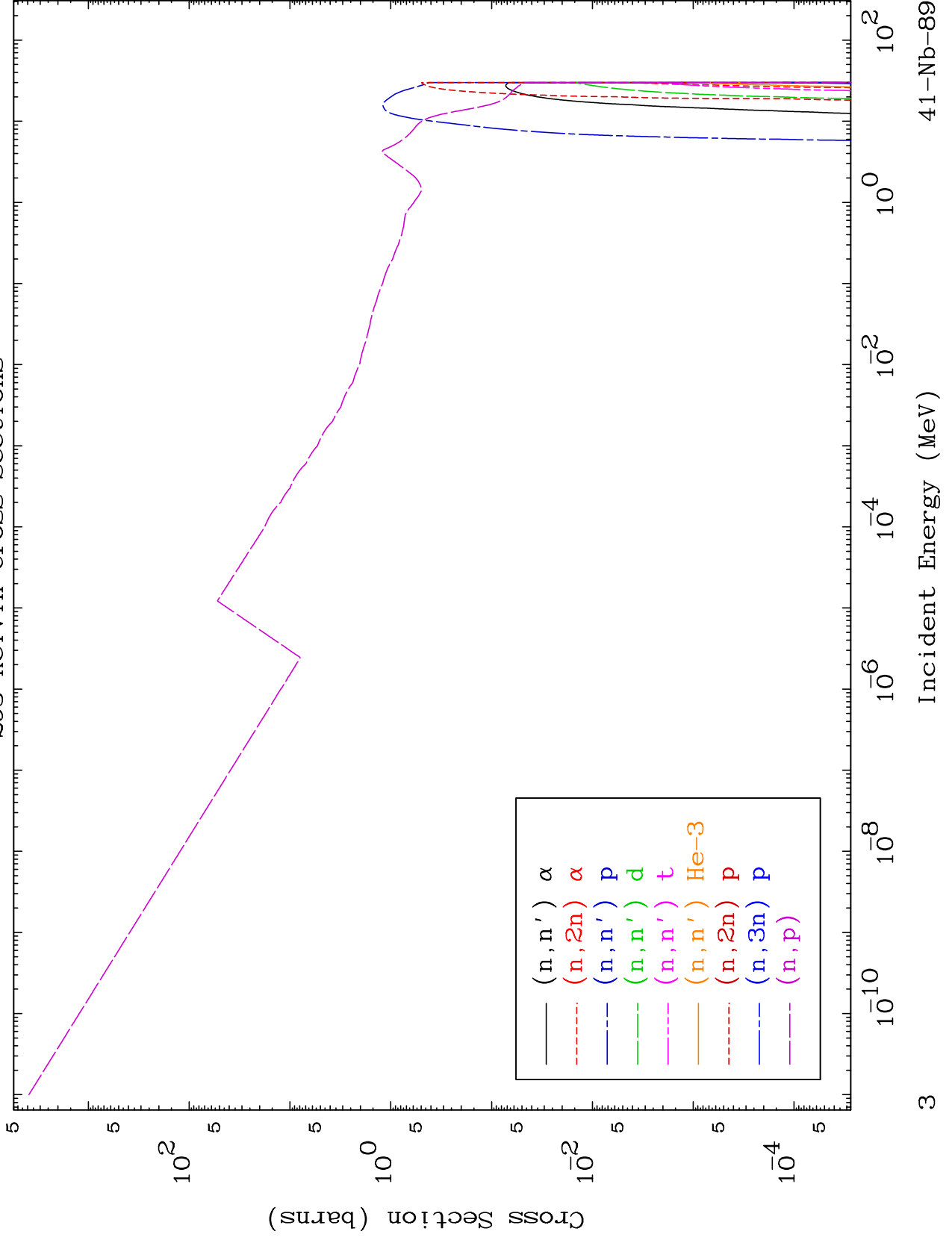




MAT 4113

Charged Particle
293 Kelvin Cross Sections

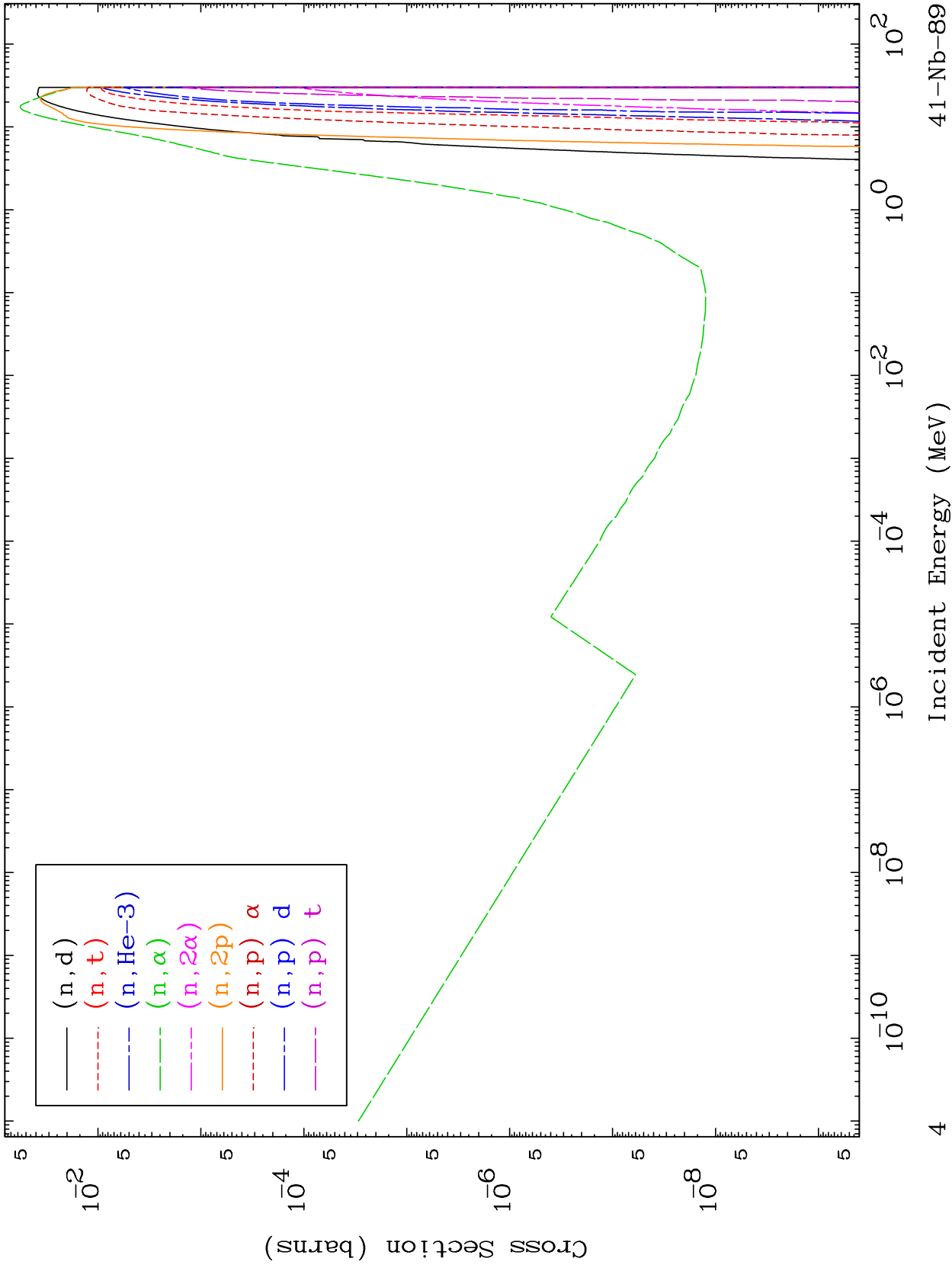
41-Nb-89



MAT 4113

Charged Particle
293 Kelvin Cross Sections

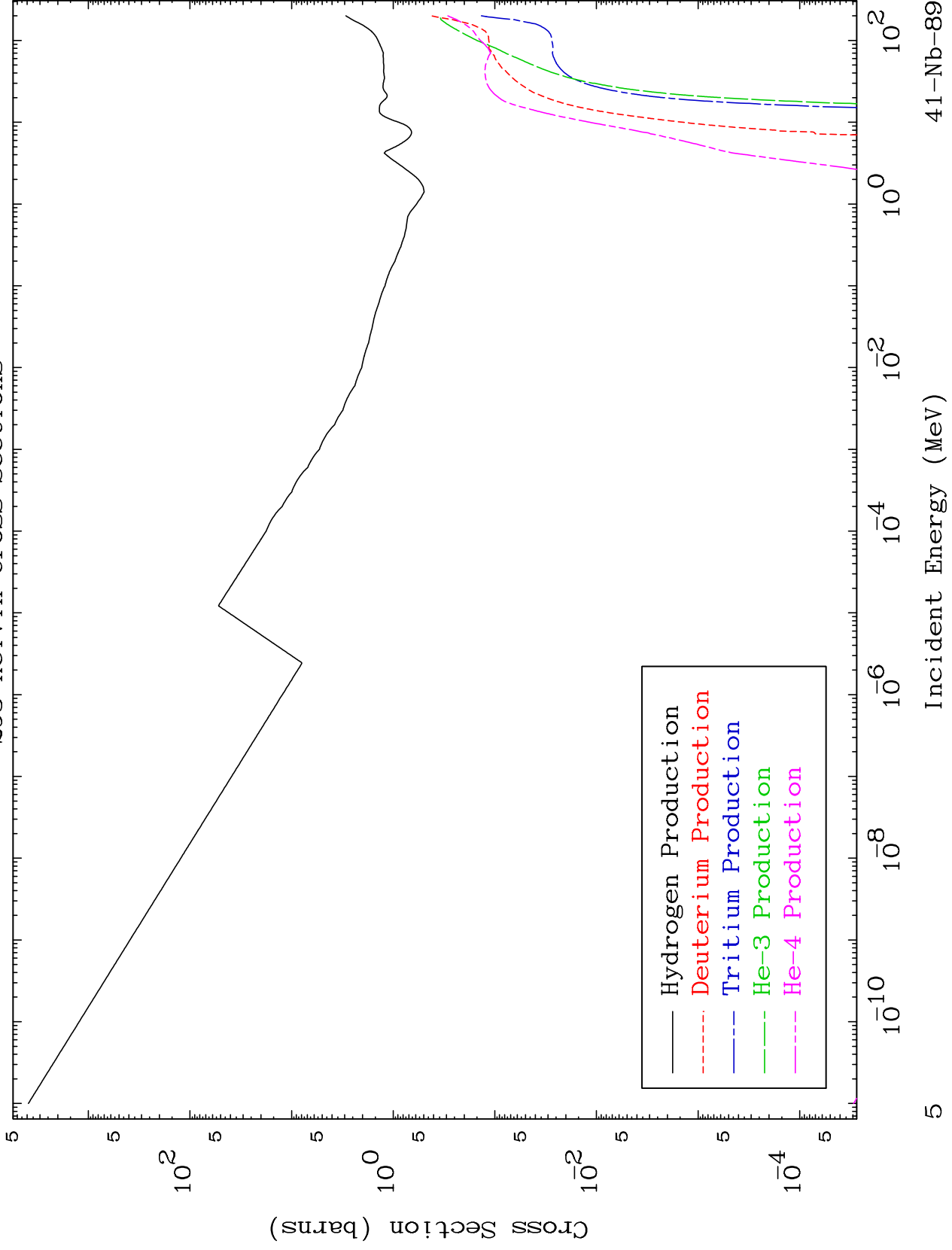
41-Nb-89



MAT 4113

Particle Production
293 Kelvin Cross Sections

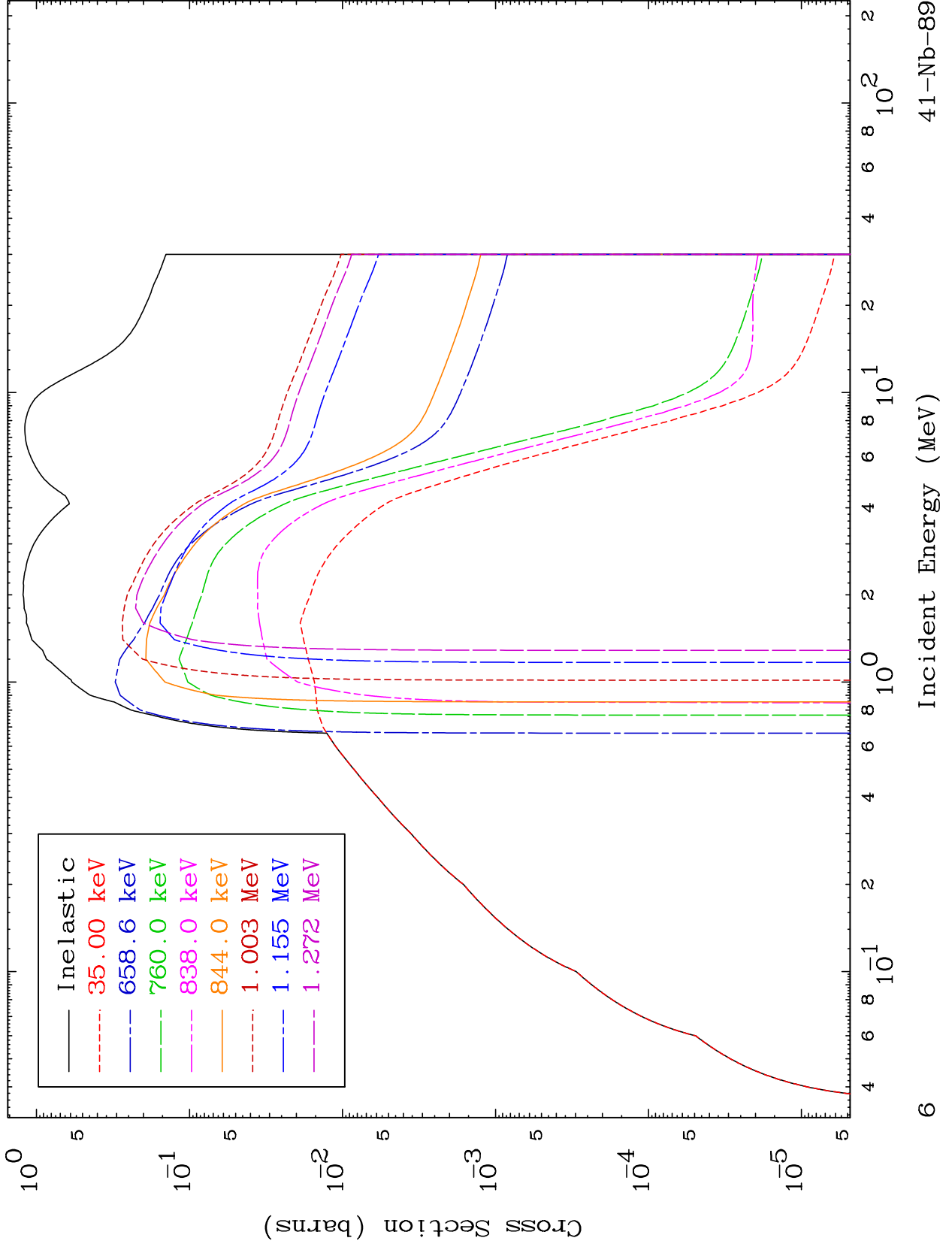
41-Nb-89



MAT 4113

(n,n') Level
293 Kelvin Cross Sections

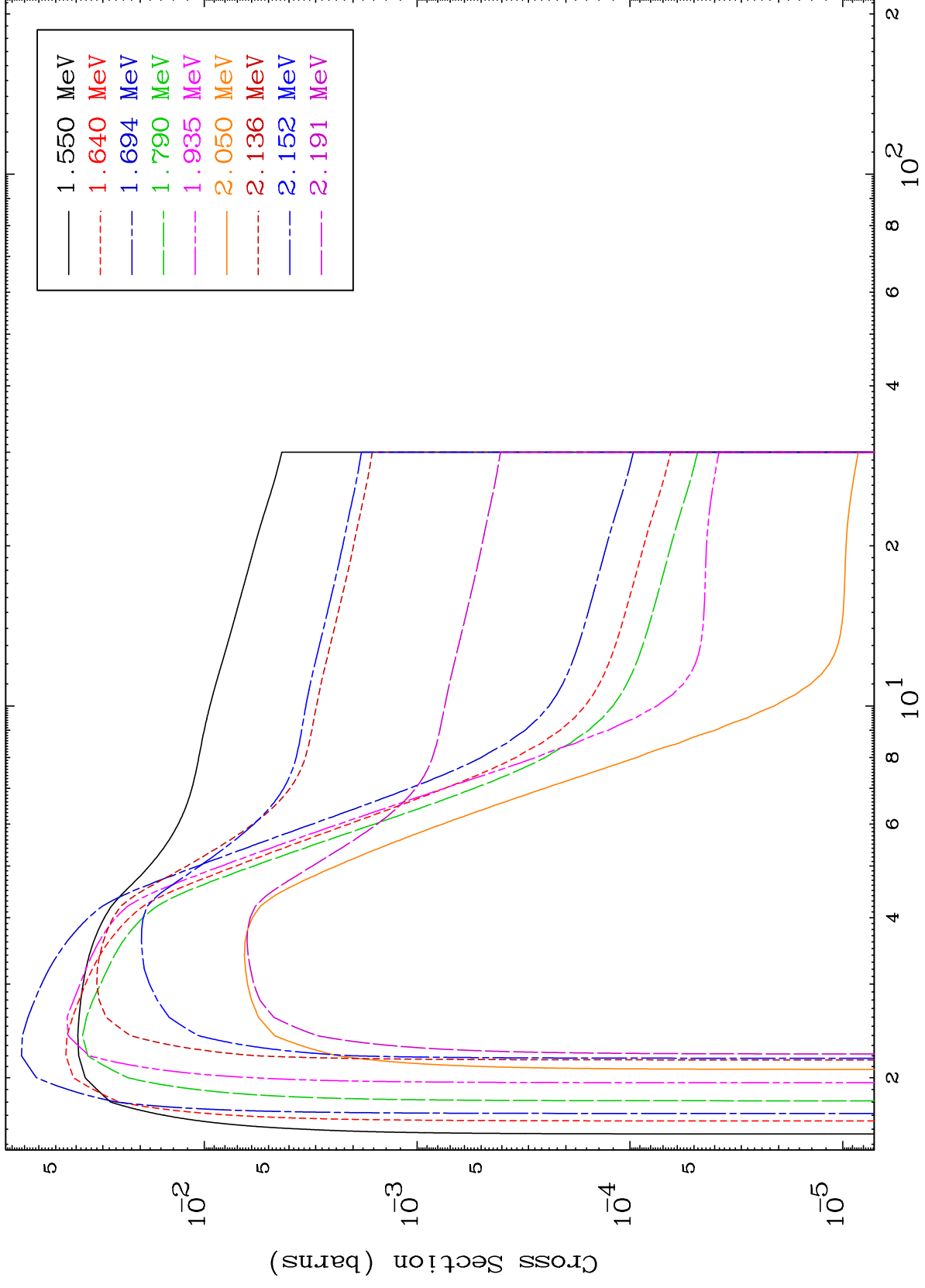
41-Nb-89



MAT 4113

(n,n') Level
293 Kelvin Cross Sections

41-Nb-89



7

Incident Energy (MeV)

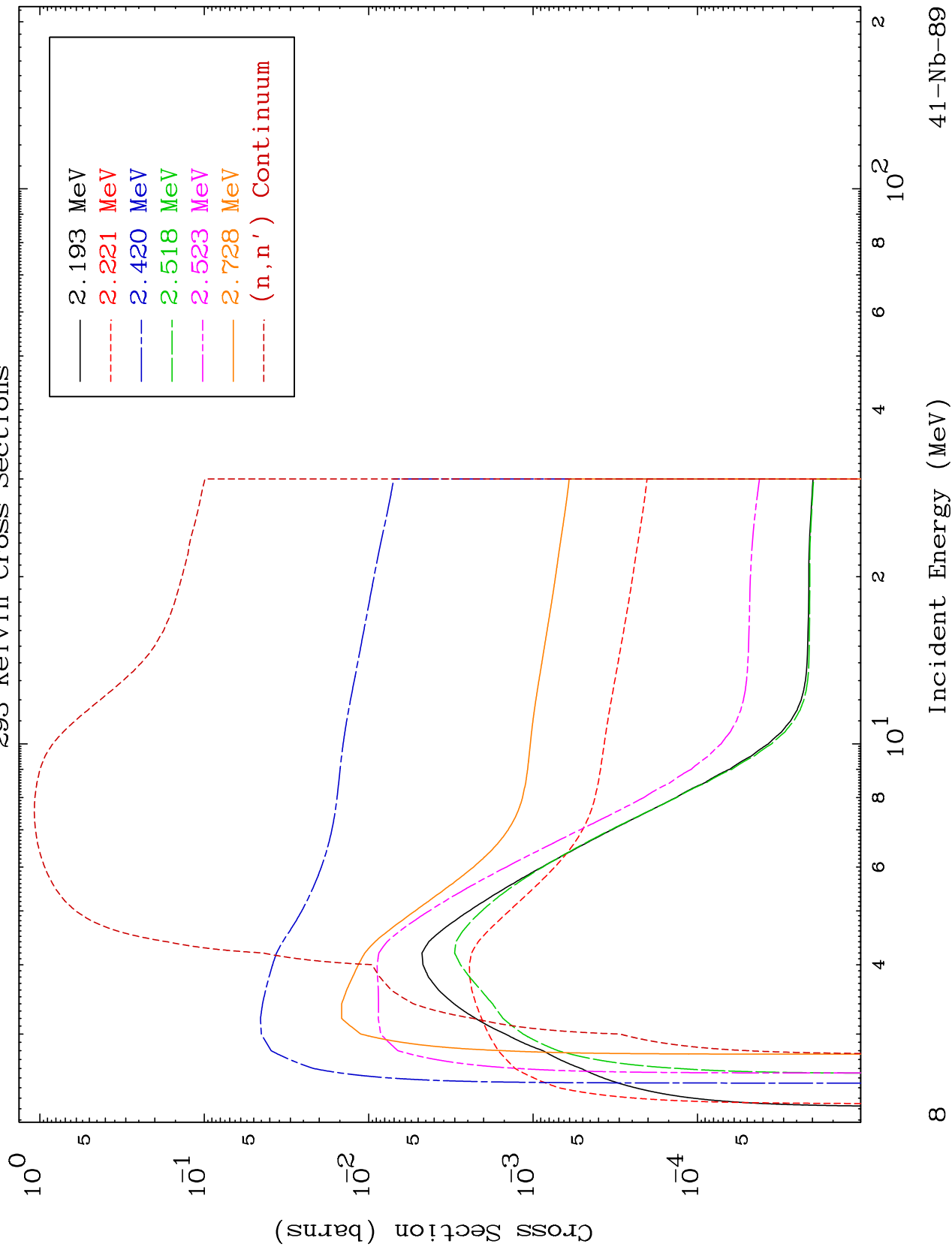
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MAT 4113

(n,n') Level

41-Nb-89

293 Kelvin Cross Sections

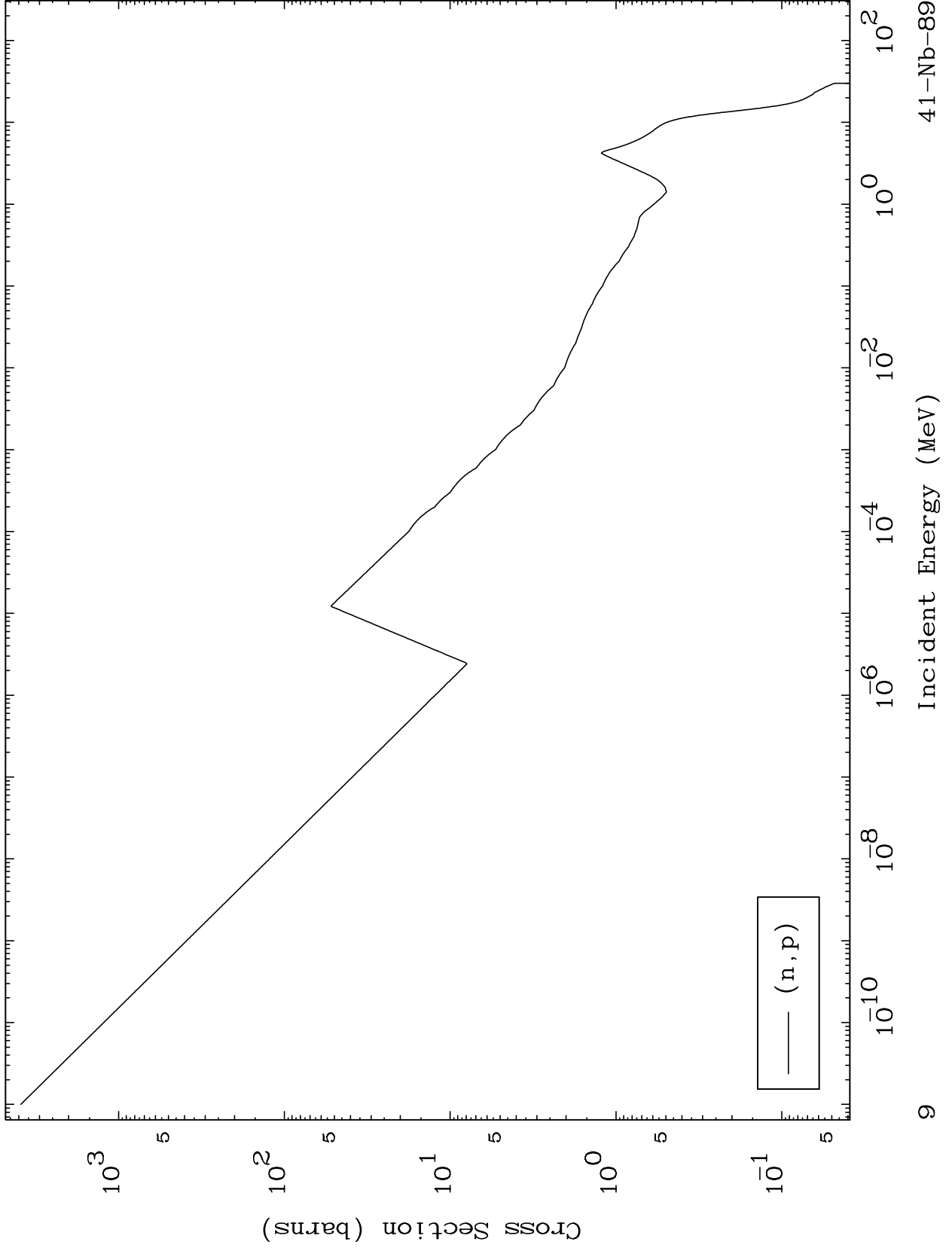


8

MAT 4113

(n,p) Levels
293 Kelvin Cross Sections

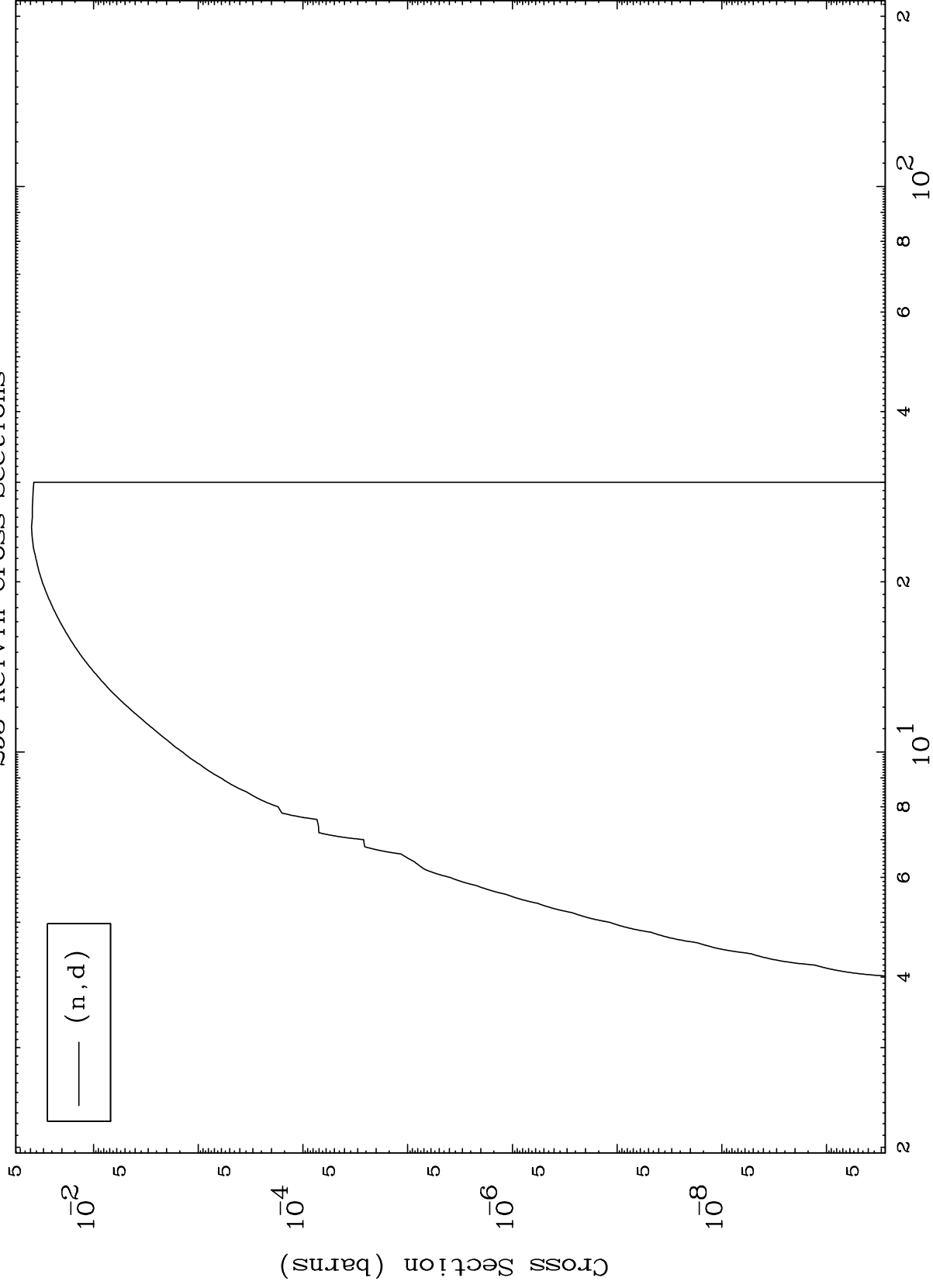
41-Nb-89



MAT 4113

(n,d) Levels
293 Kelvin Cross Sections

41-Nb-89



10

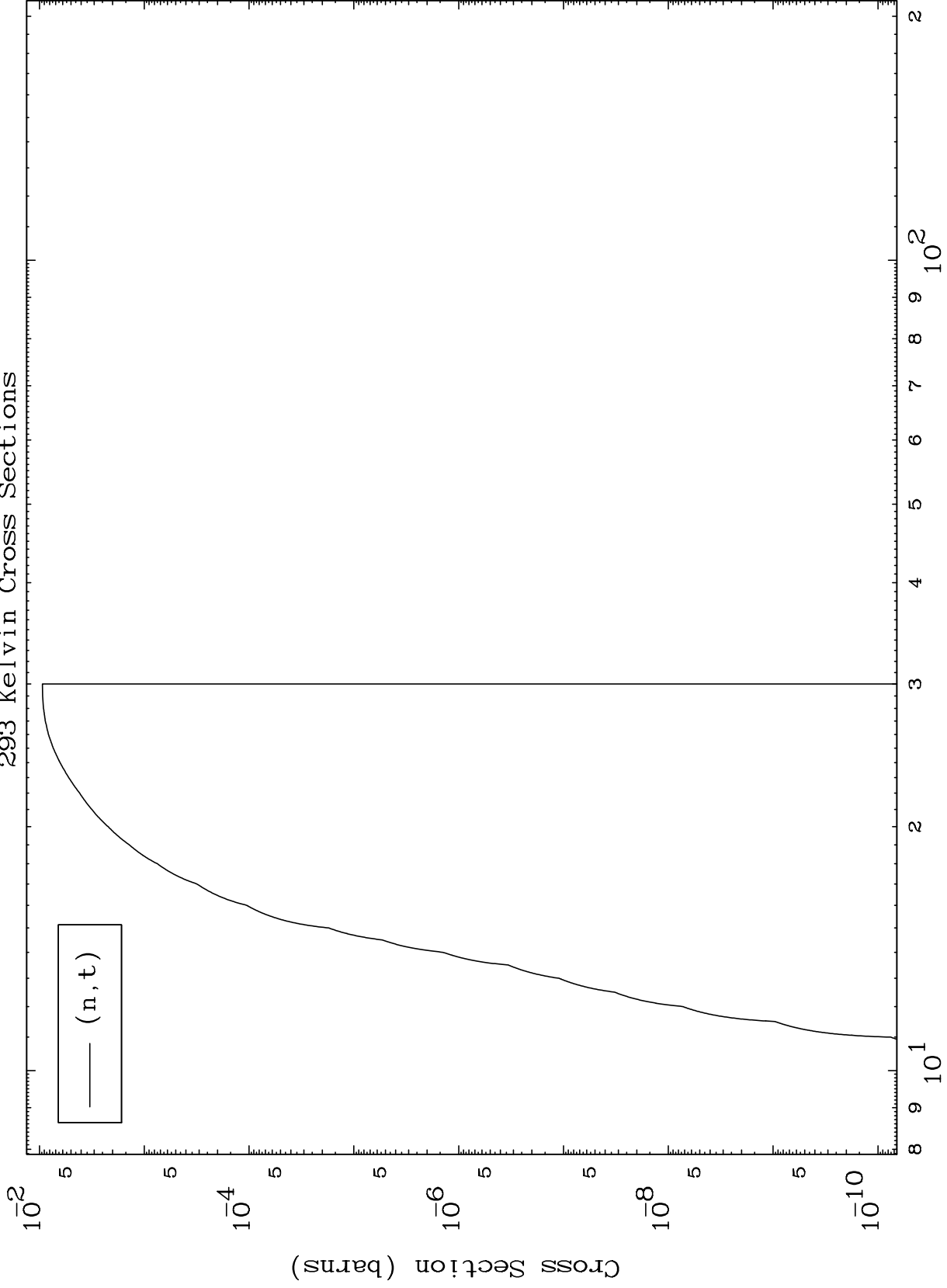
Incident Energy (MeV)

41-Nb-89

MAT 4113

(n,t) Levels
293 Kelvin Cross Sections

41-Nb-89



11

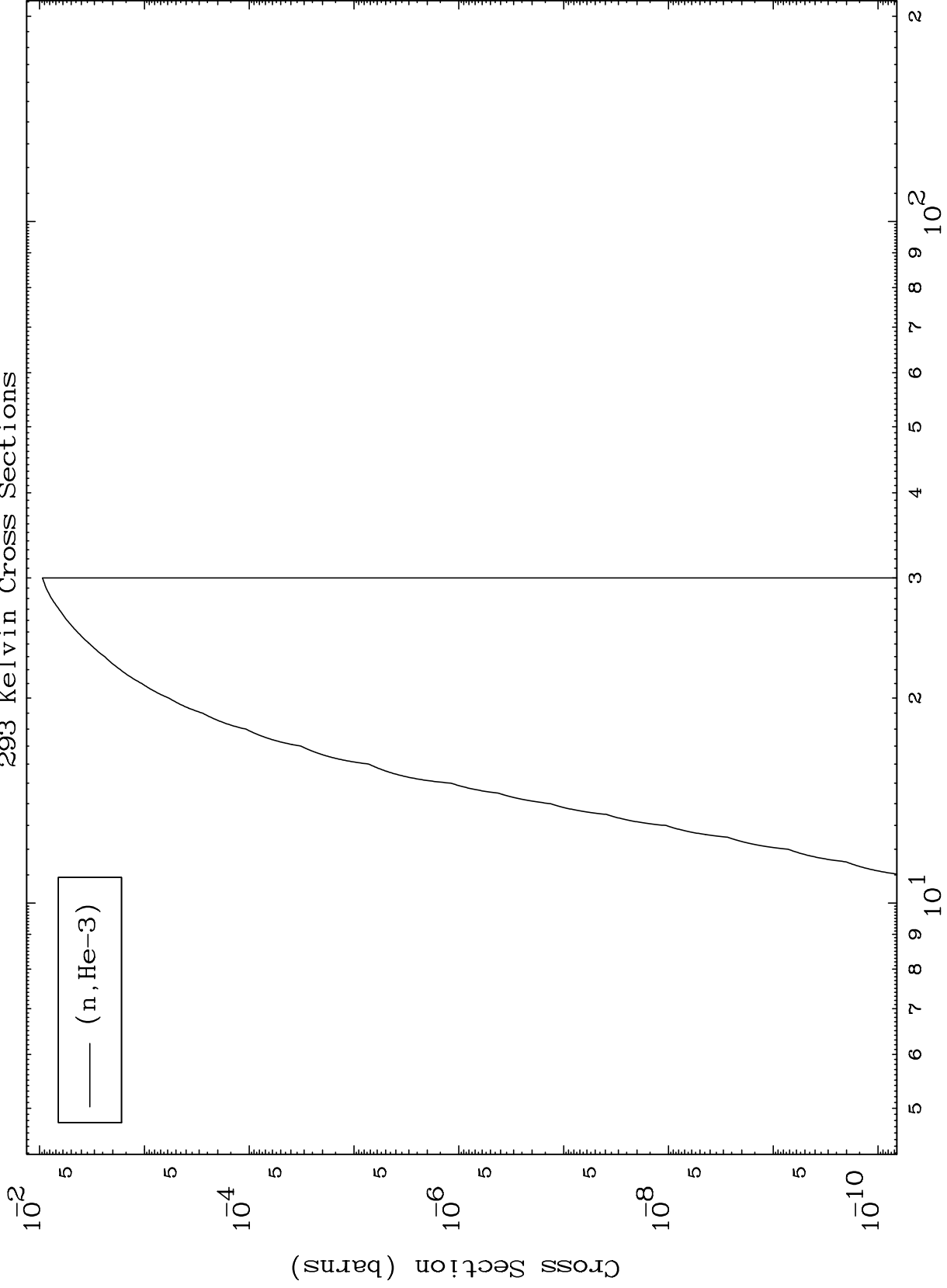
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41-Nb-89

MAT 4113

(n,He3) Levels
293 Kelvin Cross Sections

41-Nb-89



12

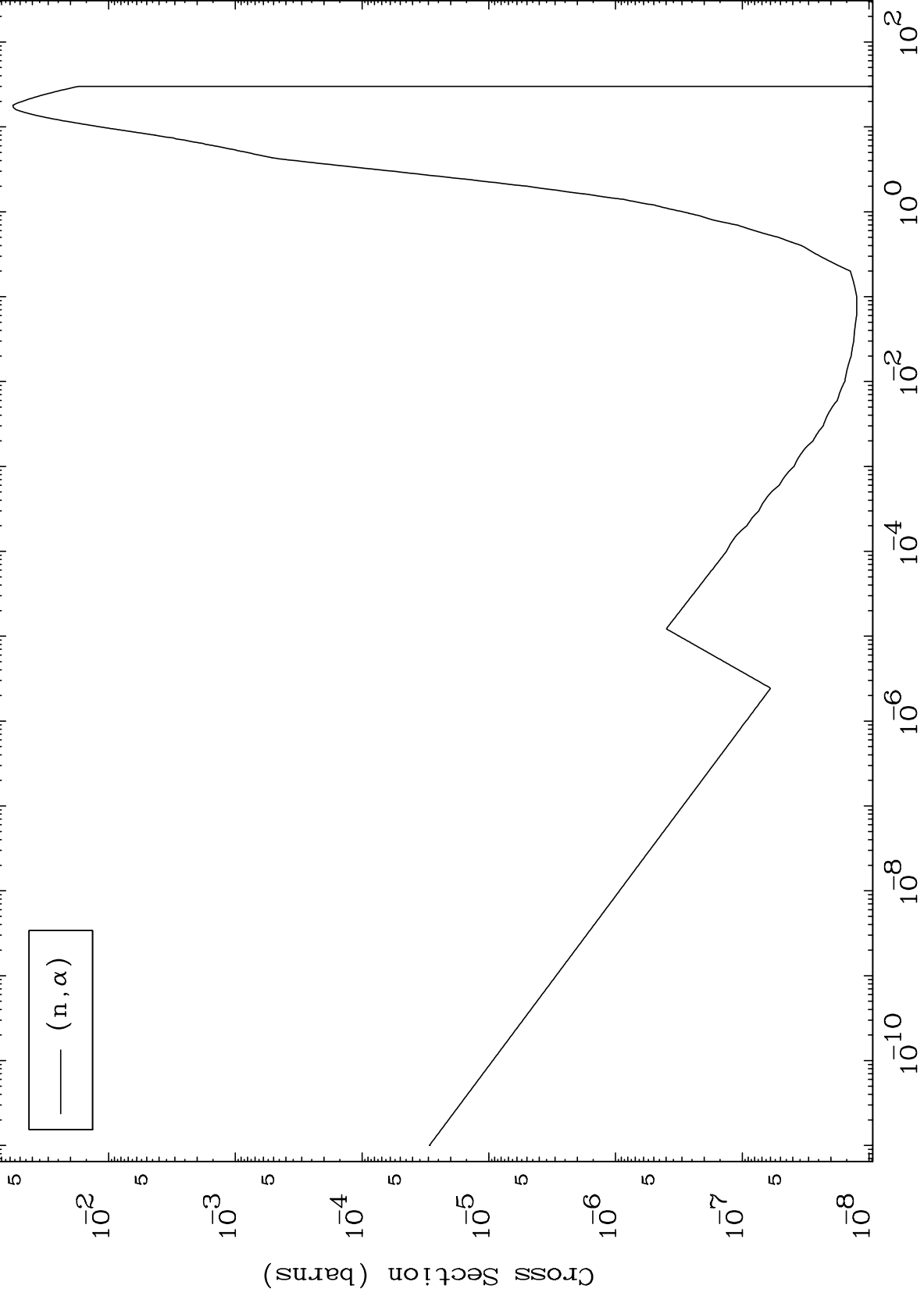
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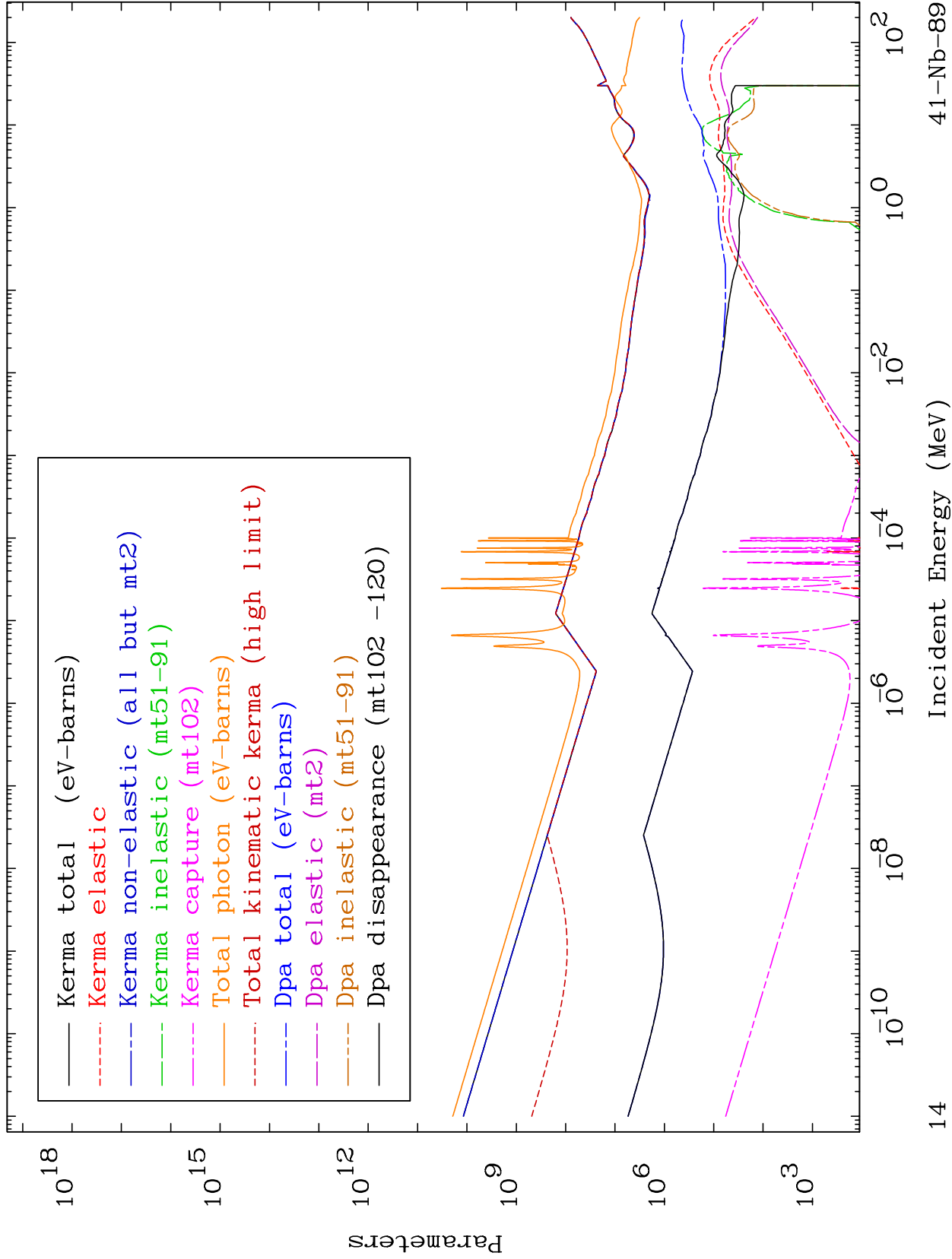
41-Nb-89

MAT 4113

(n, α) Levels
293 Kelvin Cross Sections

41-Nb-89

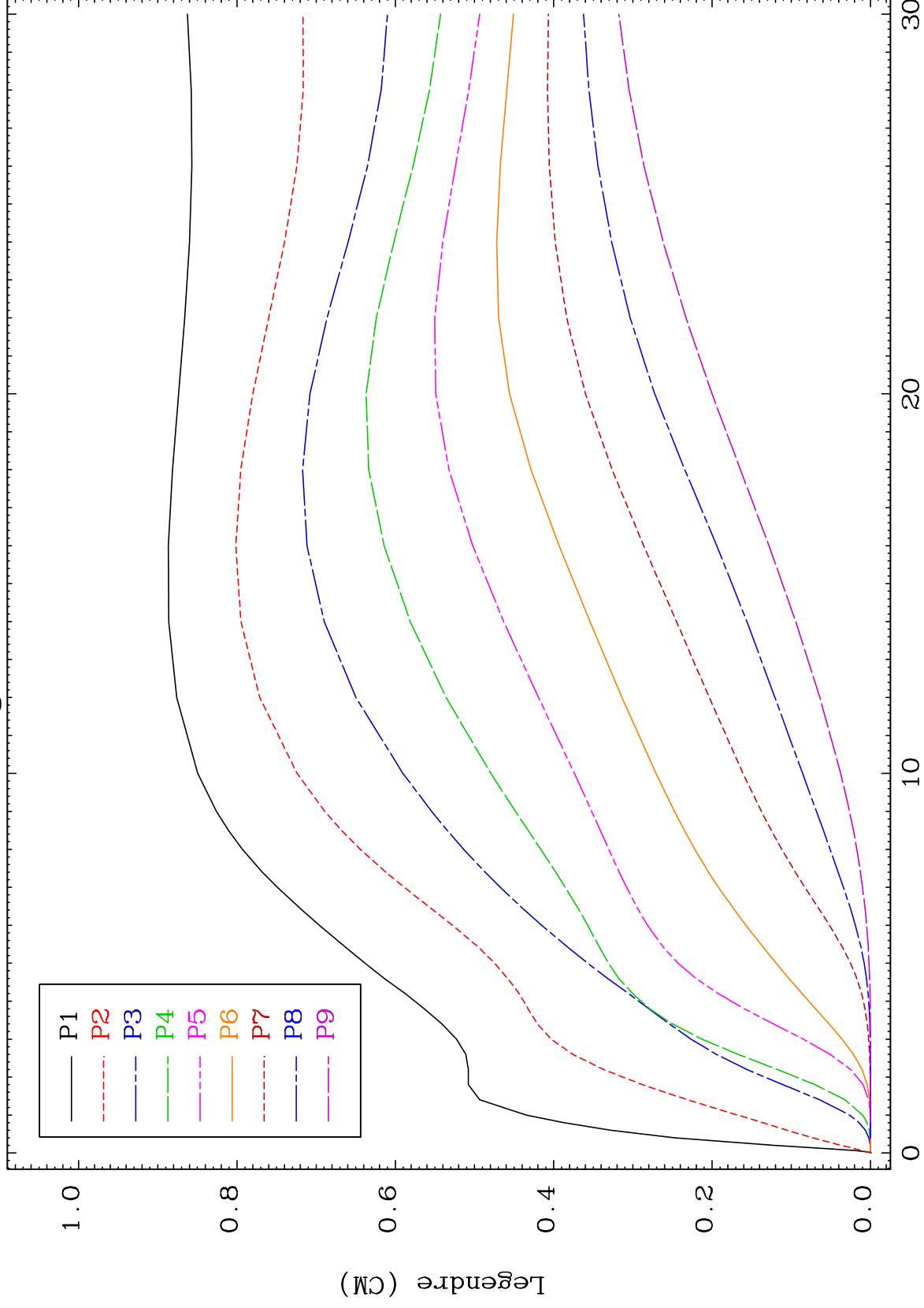




MAT 4113

Elastic Legendre Coefficients

41-Nb-89



15

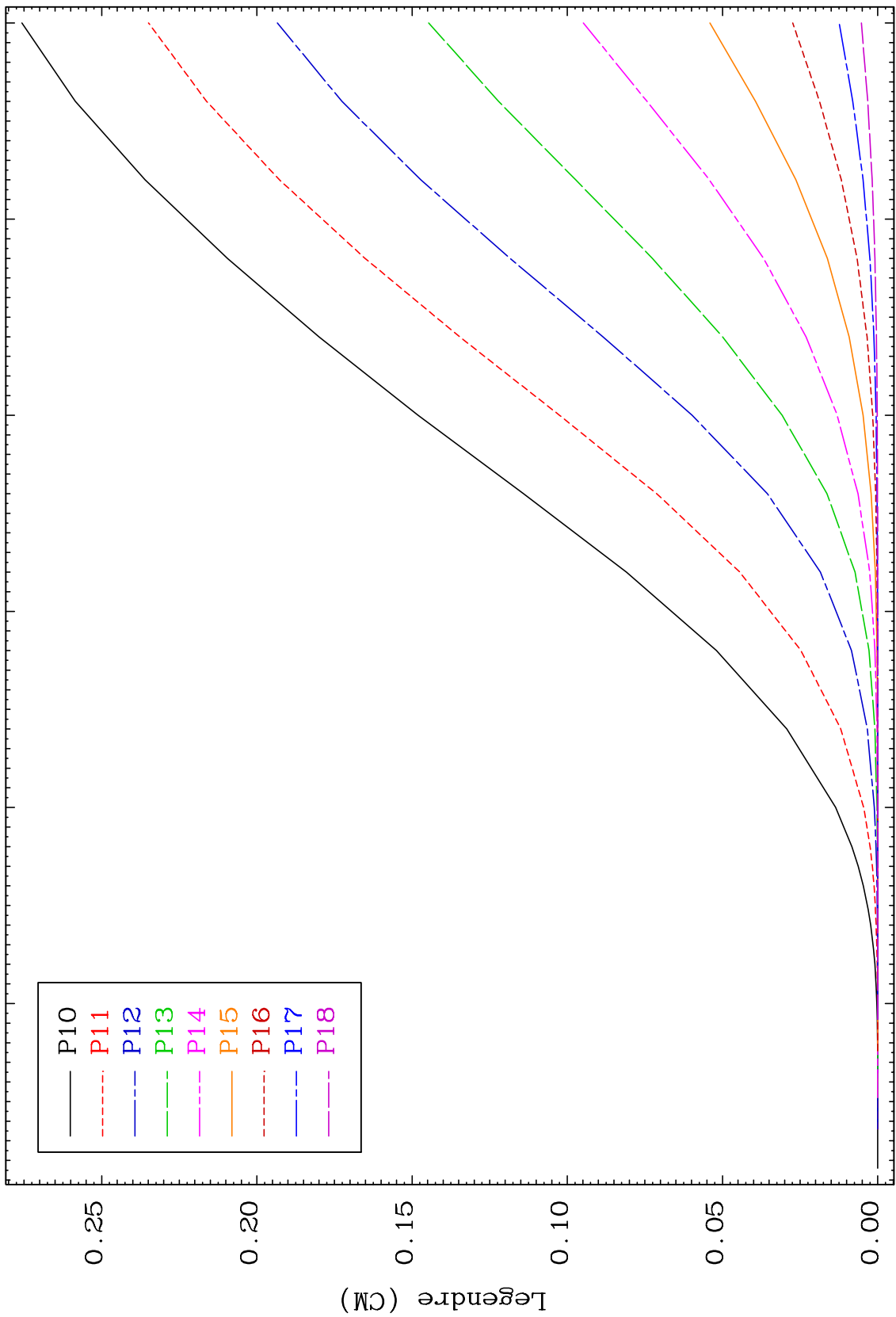
Incident Energy (MeV)

41-Nb-89

MAT 4113

Elastic Legendre Coefficients

41-Nb-89



16

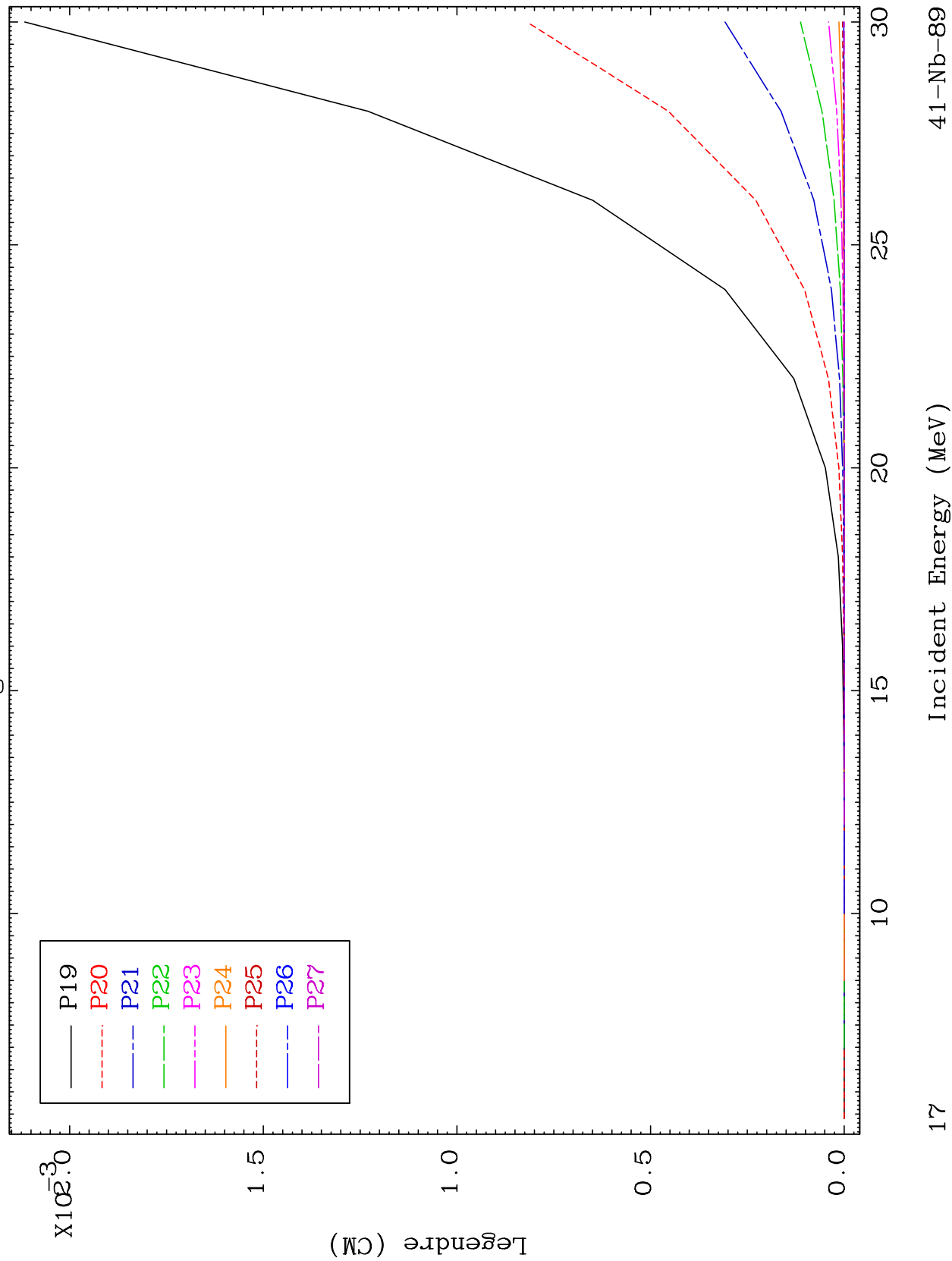
Incident Energy (MeV)

41-Nb-89

MAT 4113

Elastic Legendre Coefficients

41-Nb-89



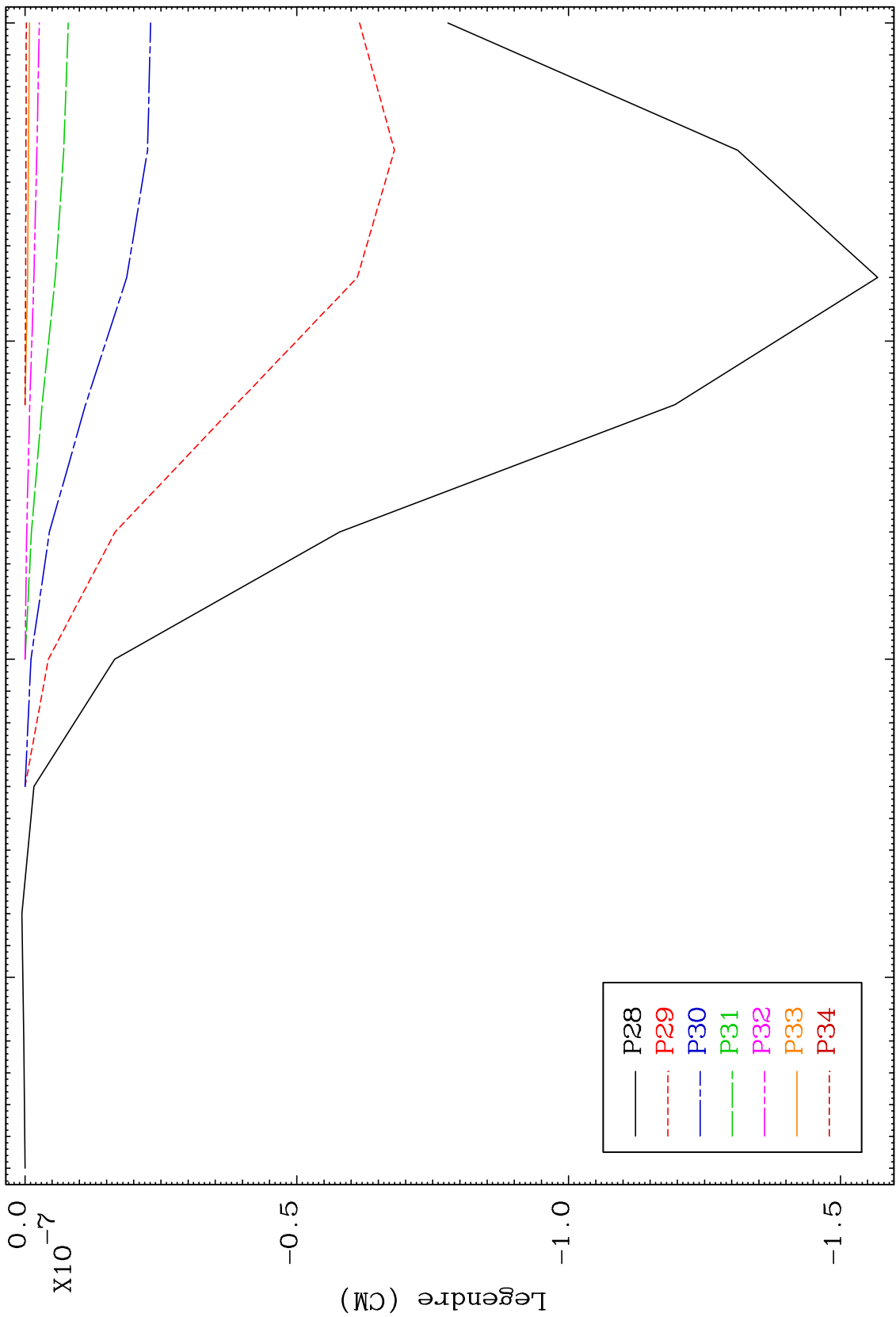
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41-Nb-89

MAT 4113

41-Nb-89

Elastic Legendre Coefficients



18

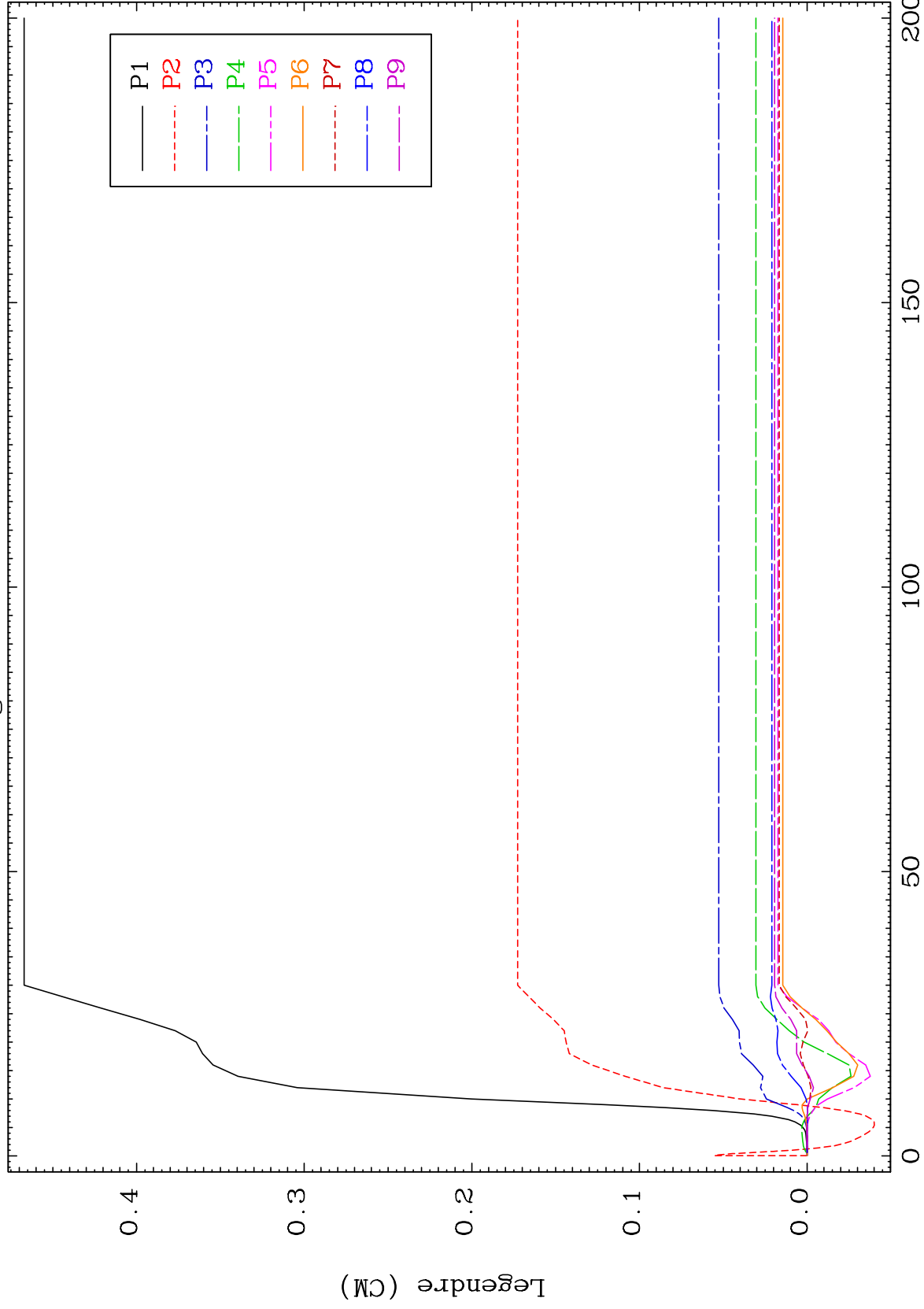
Incident Energy (MeV)

41-Nb-89

MAT 4113

35.00 keV (n,n') Level
Legendre Coefficients

41-Nb-89



19

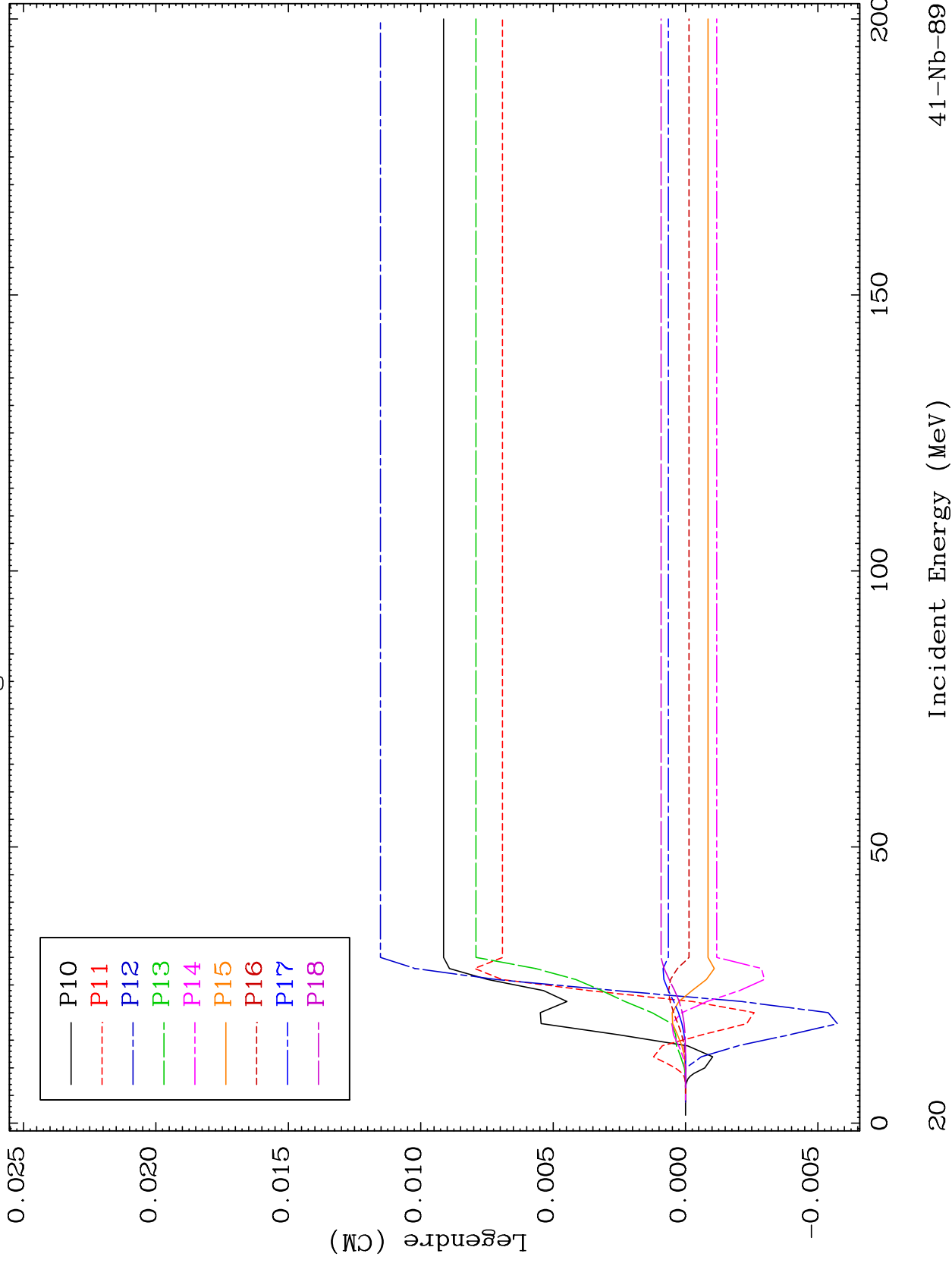
Incident Energy (MeV)

41-Nb-89

MAT 4113

35.00 keV (n,n') Level
Legendre Coefficients

41-Nb-89

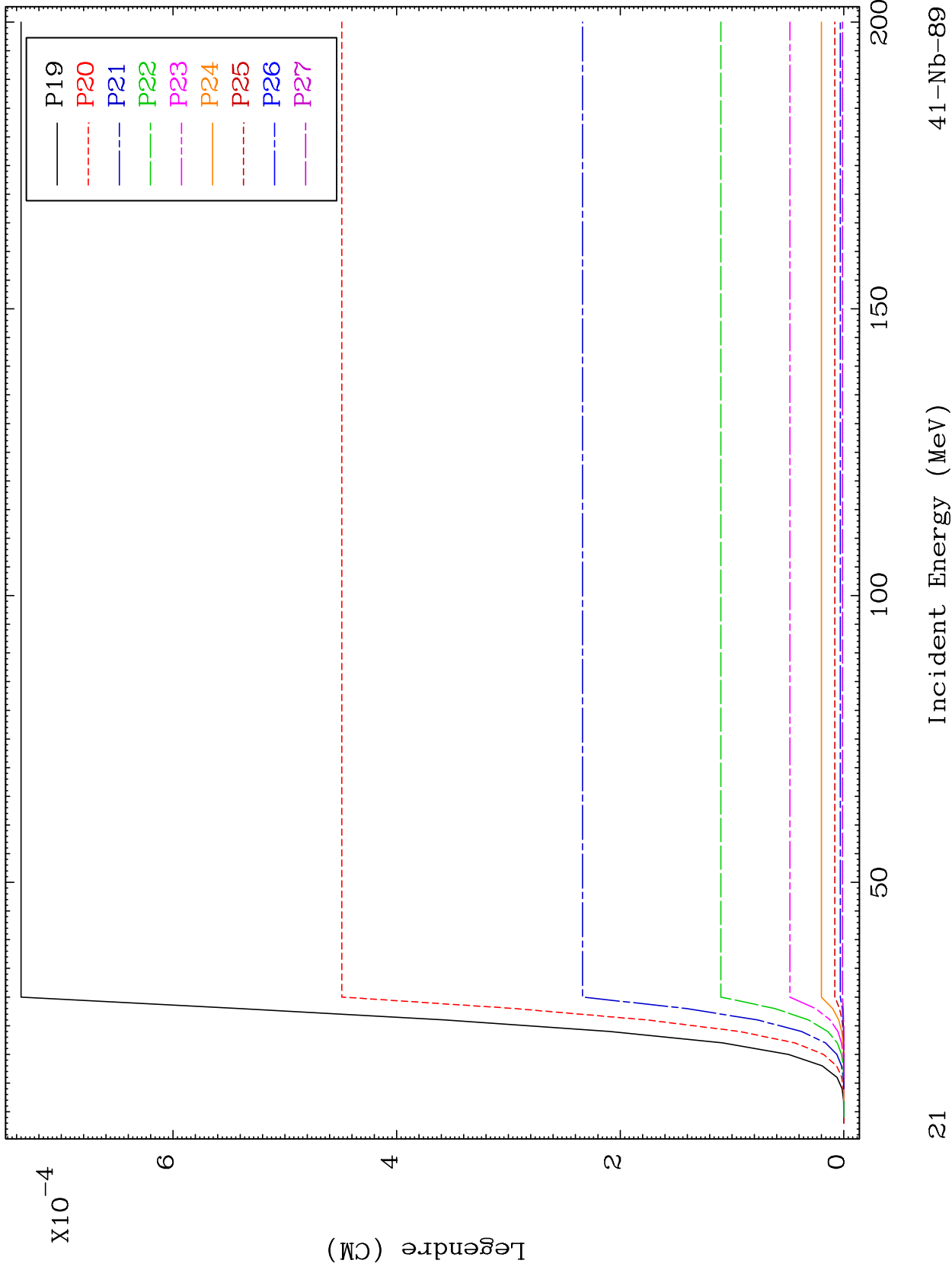


41-Nb-89

MAT 4113

35.00 keV (n,n') Level
Legendre Coefficients

41-Nb-89

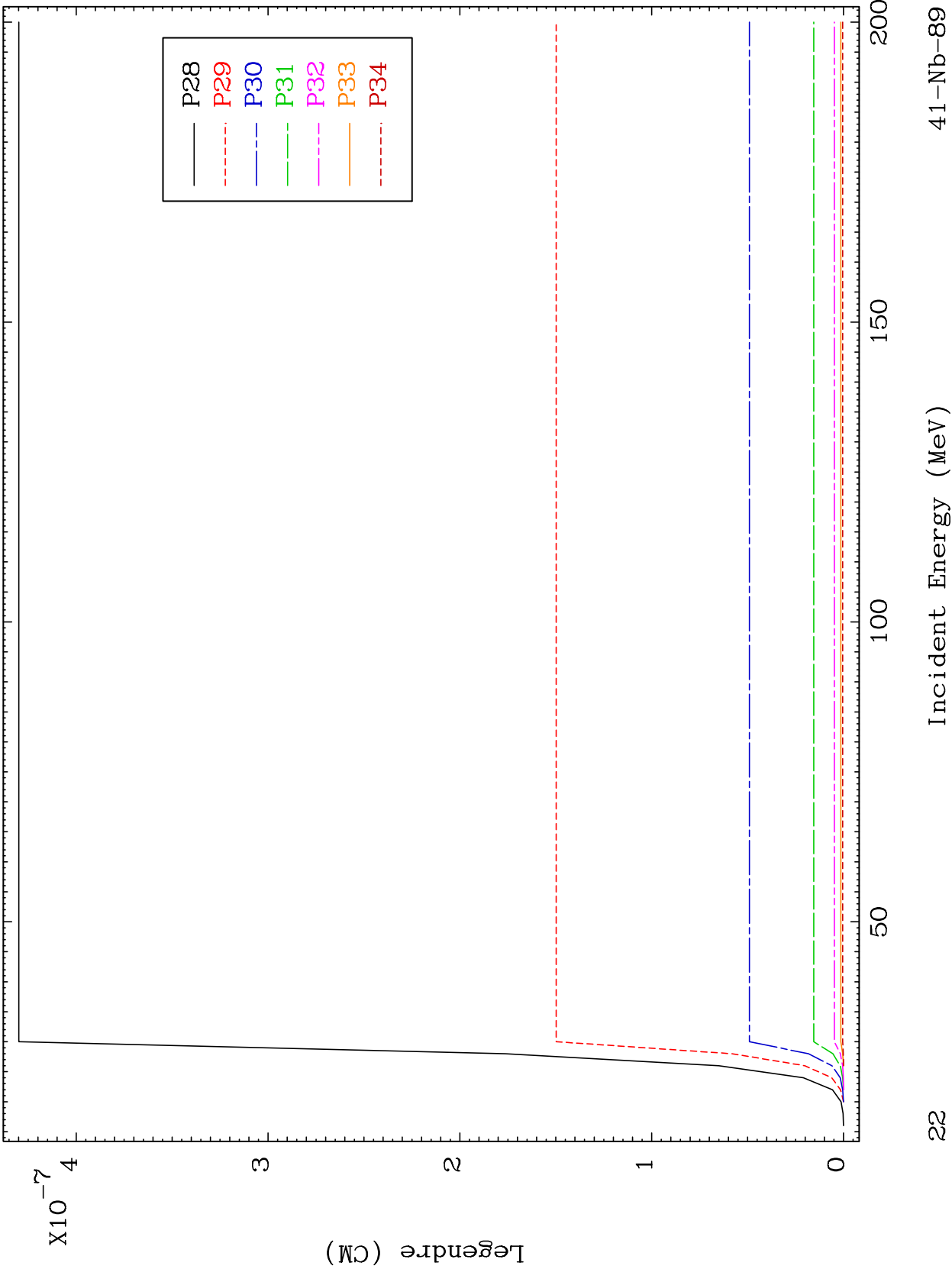


21

MAT 4113

35.00 keV (n,n') Level
Legendre Coefficients

41-Nb-89



22

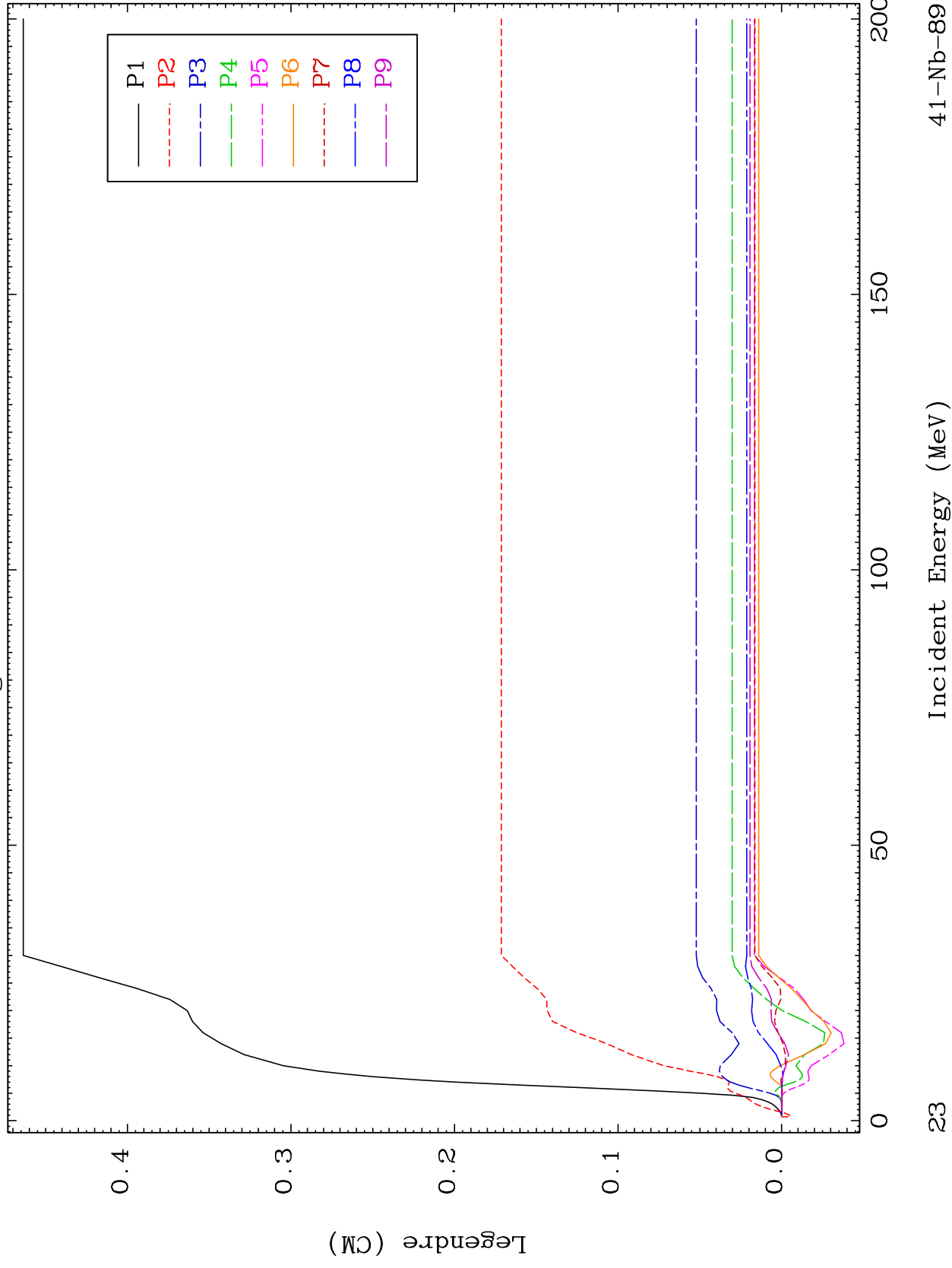
Incident Energy (MeV)

41-Nb-89

MAT 4113

658.6 keV (n,n') Level
Legendre Coefficients

41-Nb-89



41-Nb-89

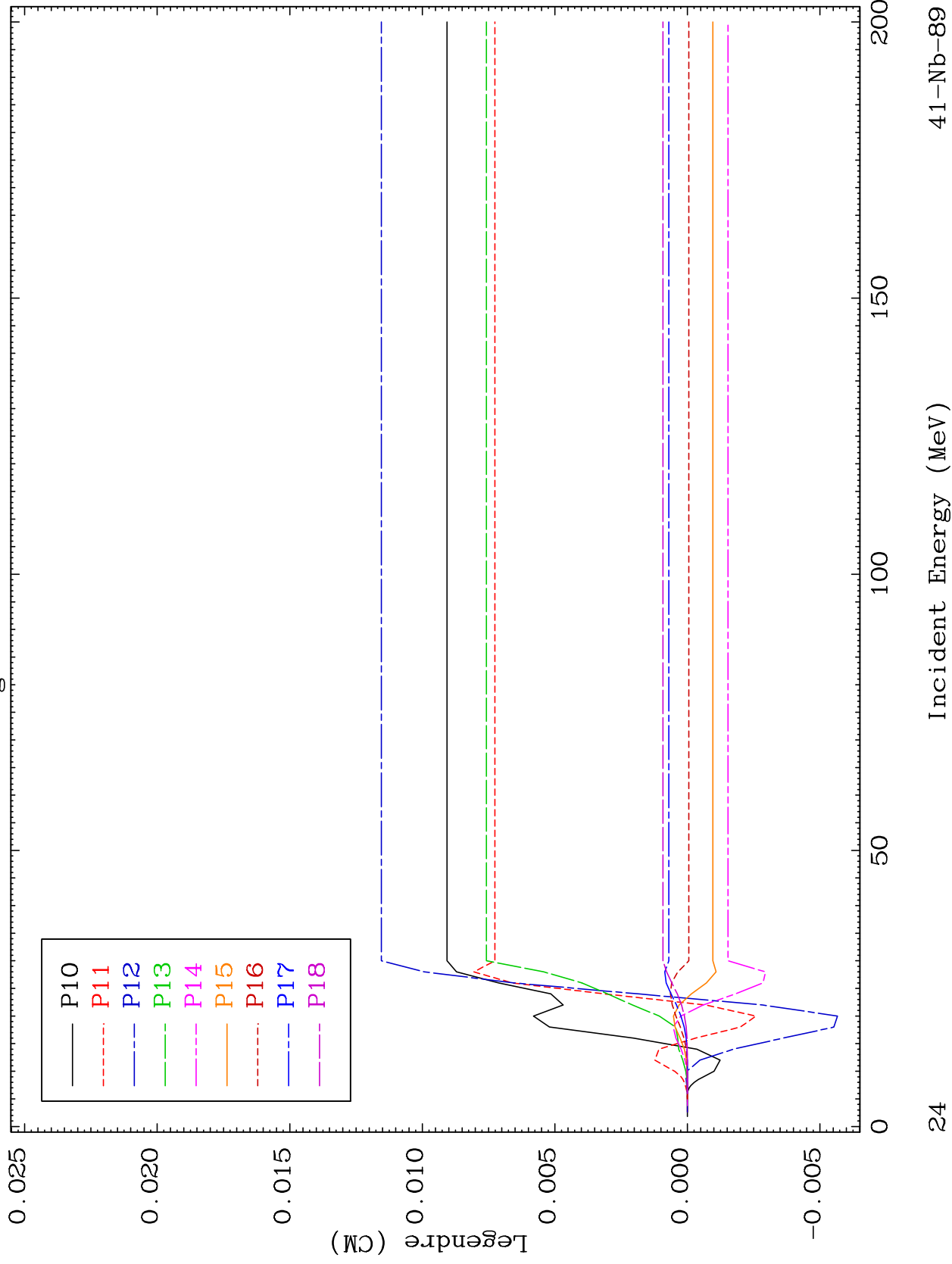
Incident Energy (MeV)

23

MAT 4113

658.6 keV (n,n') Level
Legendre Coefficients

41-Nb-89



24

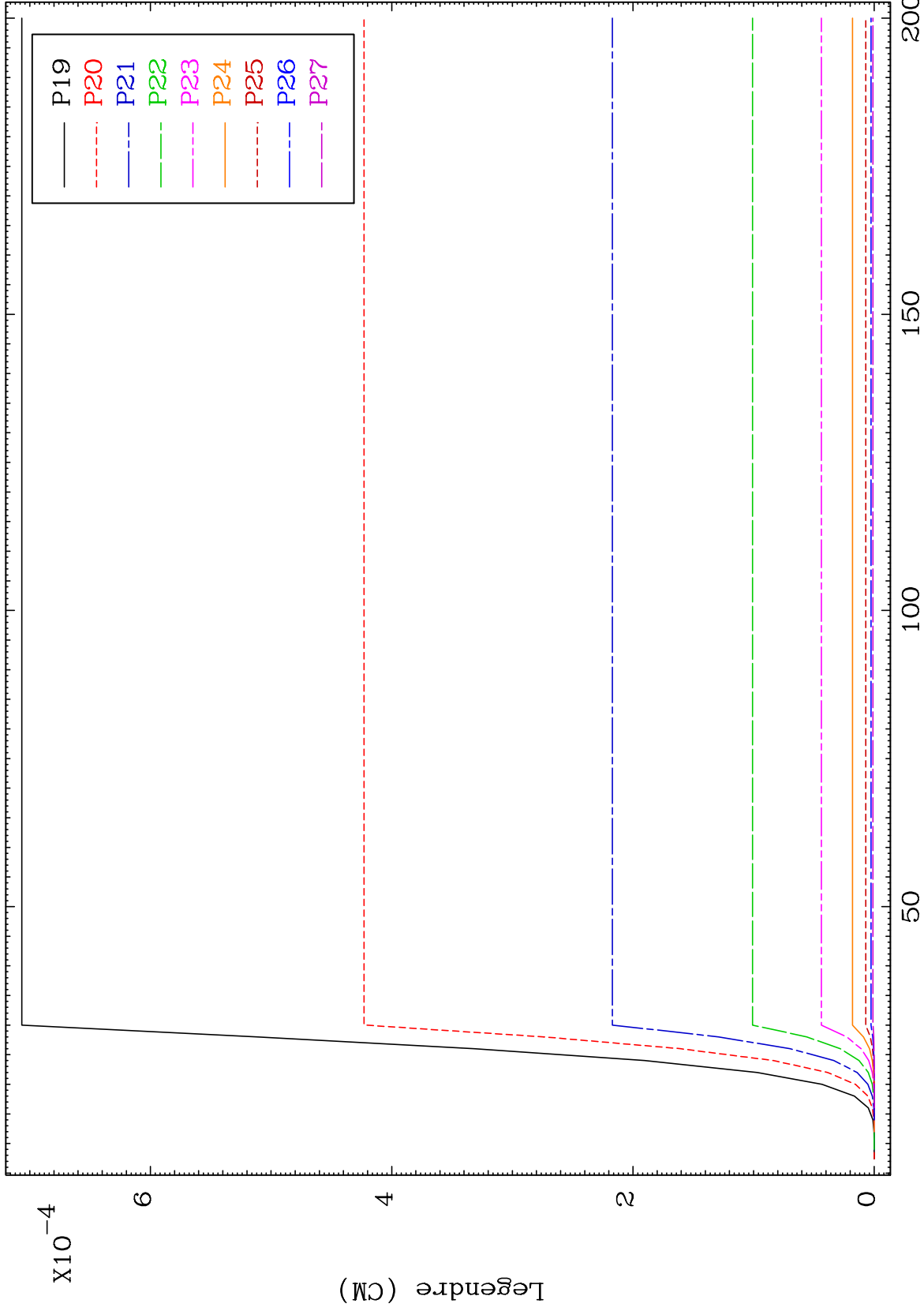
Incident Energy (MeV)

41-Nb-89

MAT 4113

658.6 keV (n,n') Level
Legendre Coefficients

41-Nb-89



25

Incident Energy (MeV)

50

100

150

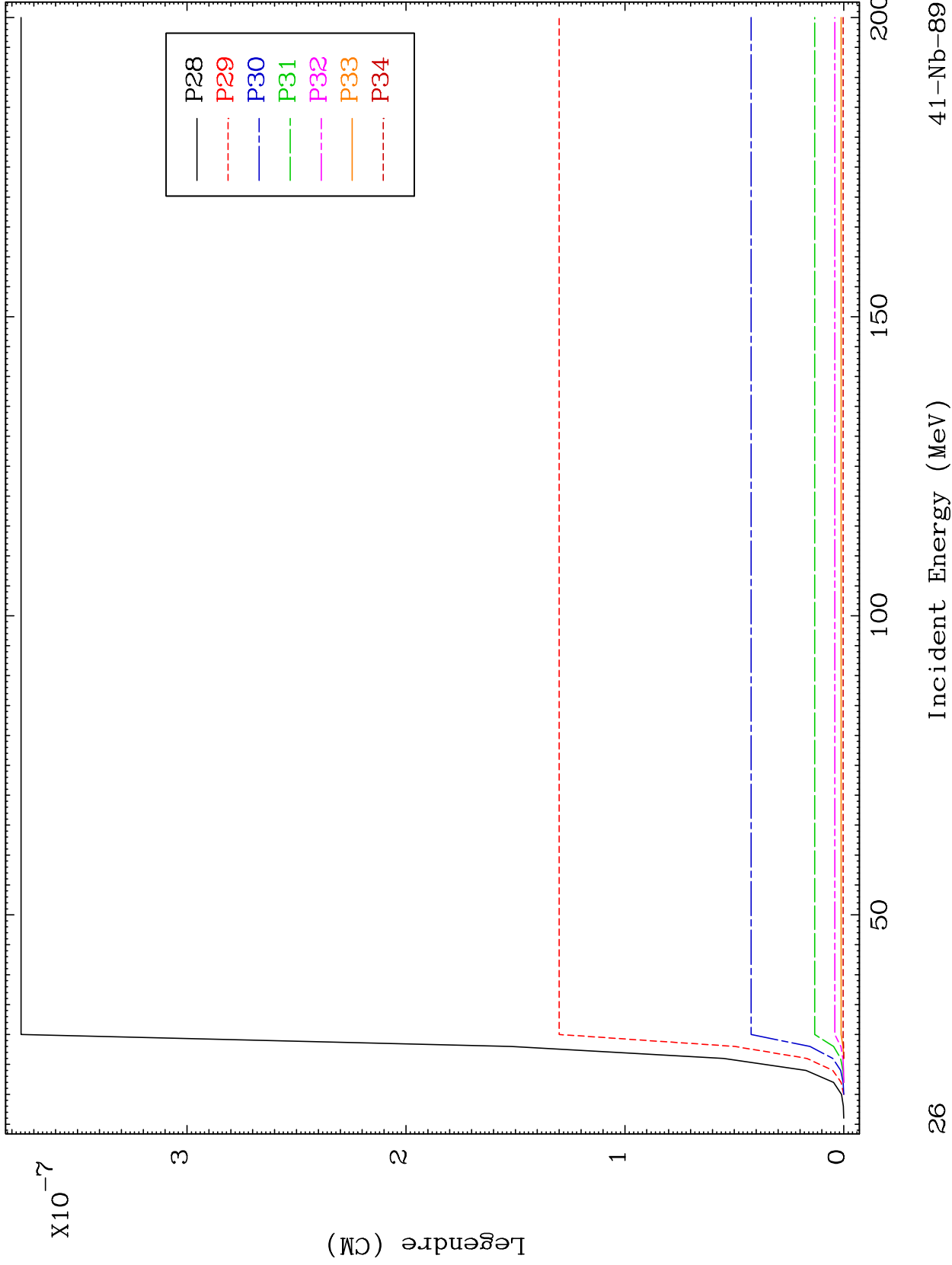
200

41-Nb-89

MAT 4113

658.6 keV (n,n') Level
Legendre Coefficients

41-Nb-89

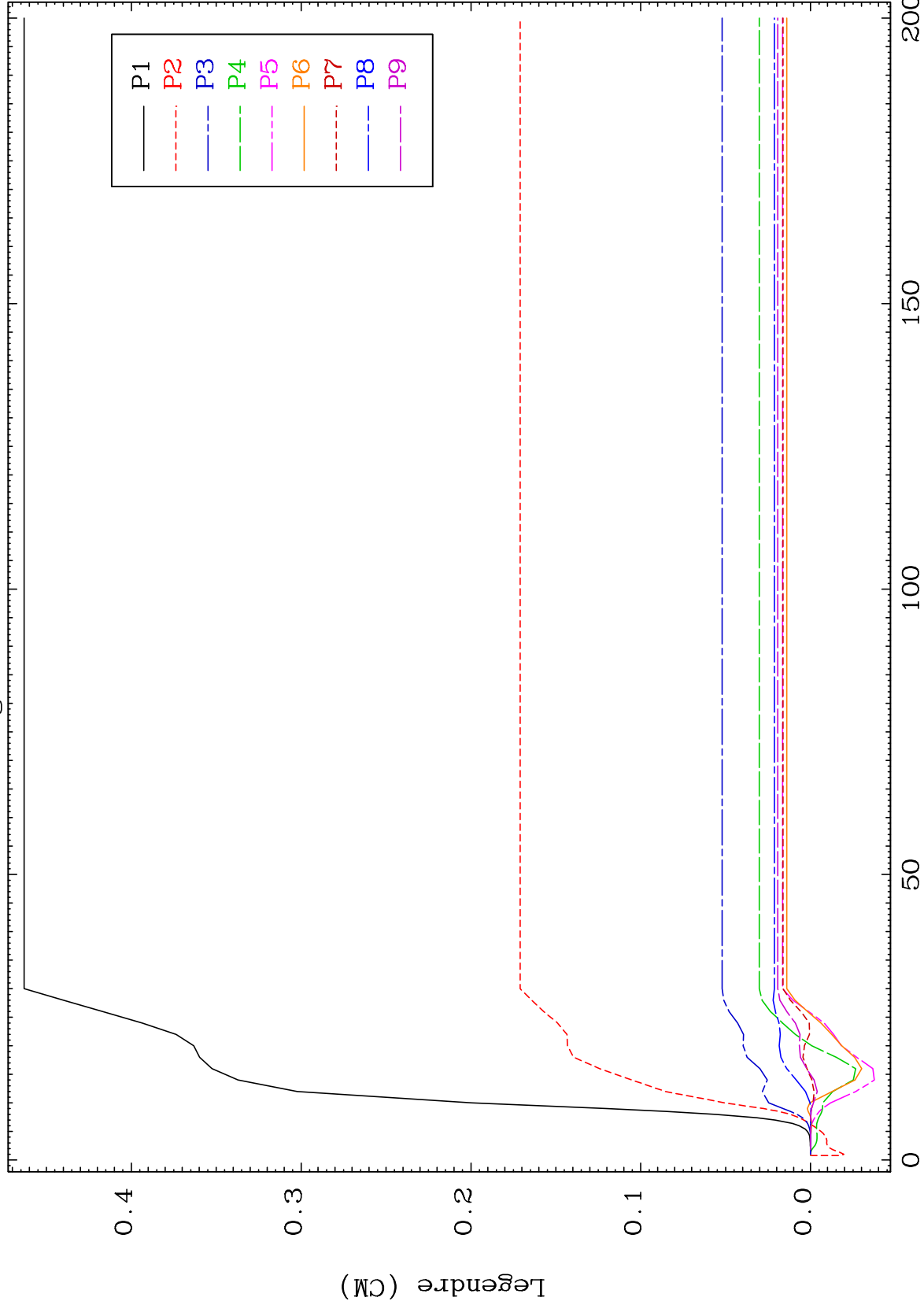


26

MAT 4113

760.0 keV (n,n') Level
Legendre Coefficients

41-Nb-89



27

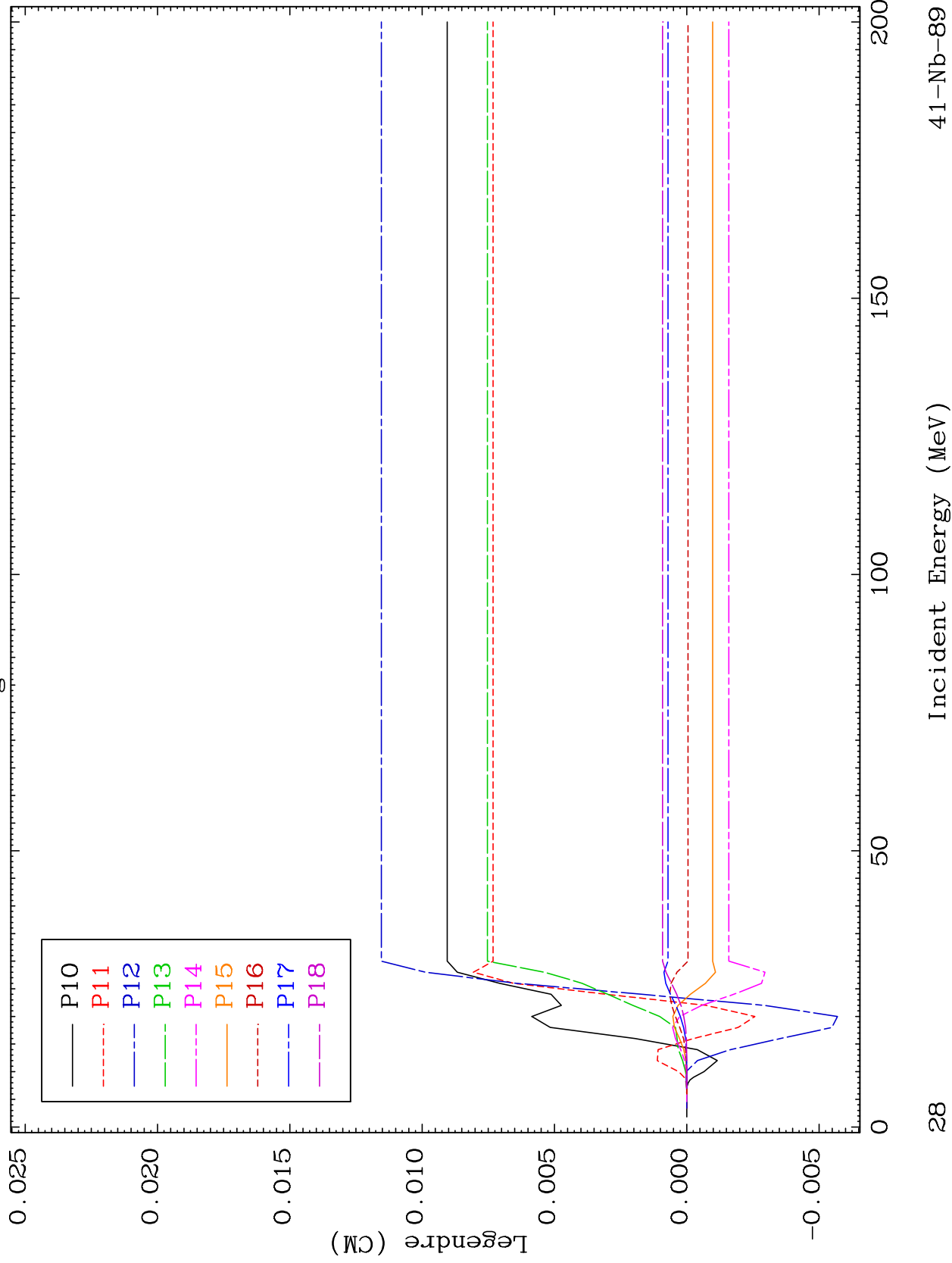
Incident Energy (MeV)

41-Nb-89

MAT 4113

760.0 keV (n,n') Level
Legendre Coefficients

41-Nb-89

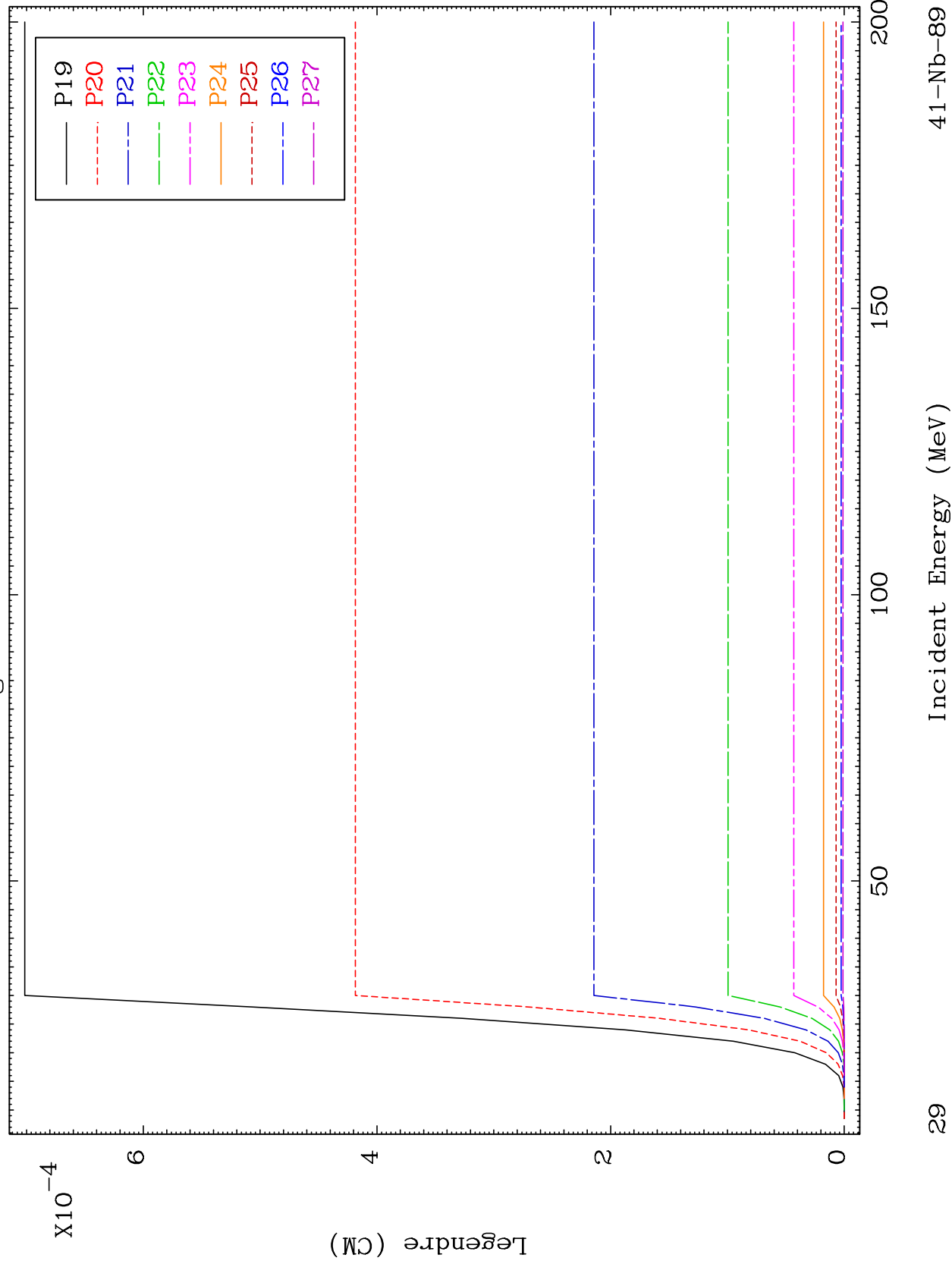


28

MAT 4113

760.0 keV (n,n') Level
Legendre Coefficients

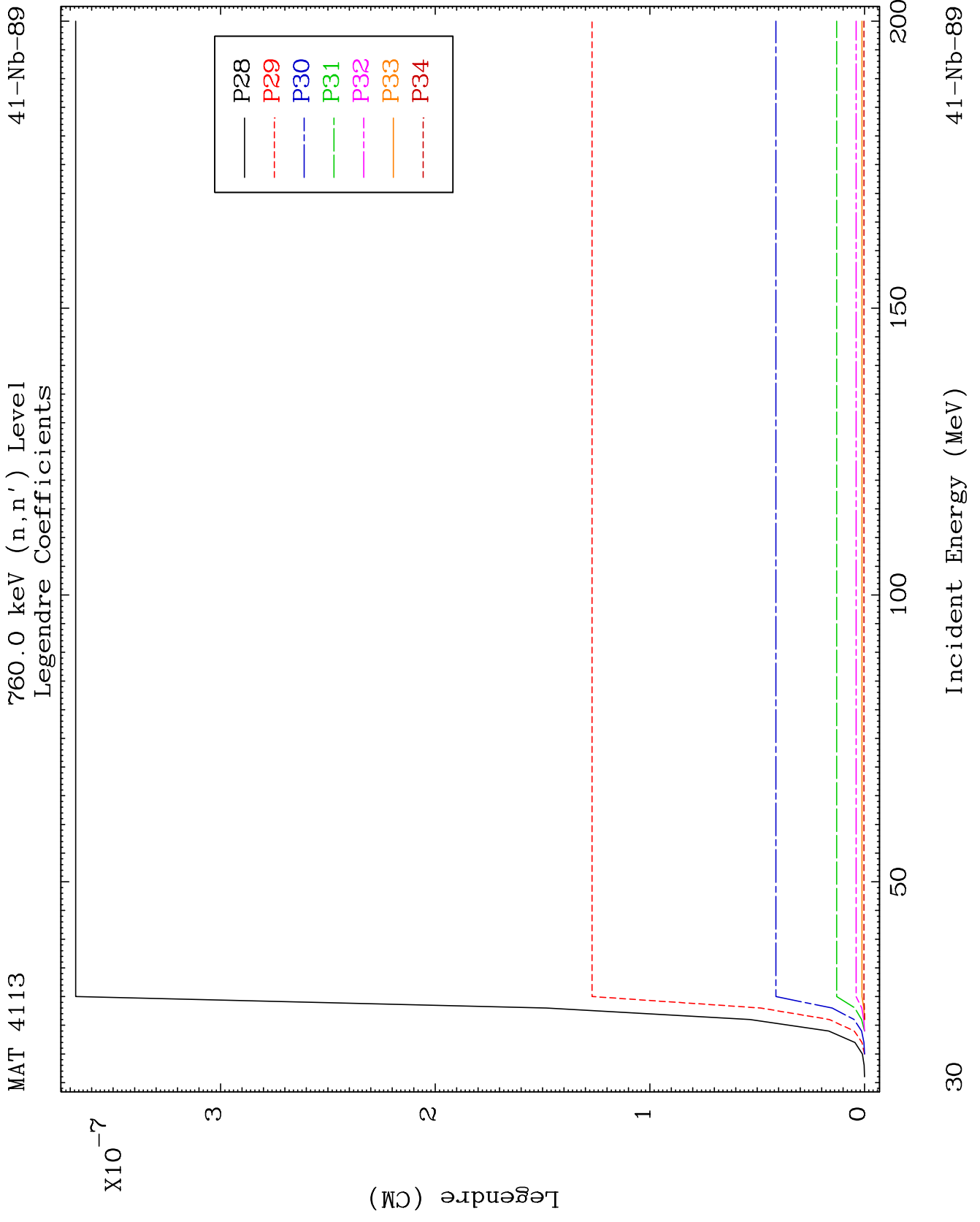
41-Nb-89



29

Incident Energy (MeV)

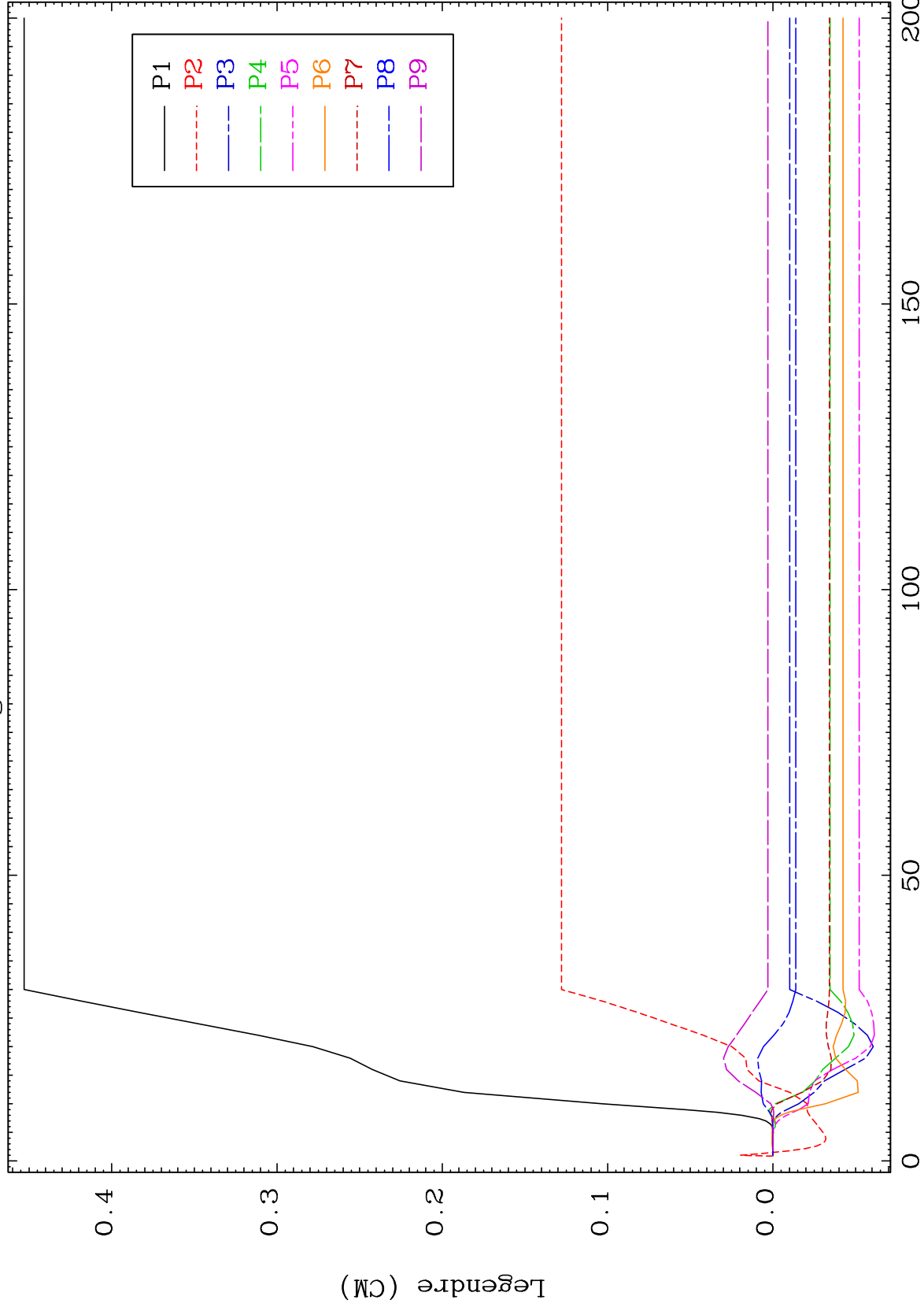
41-Nb-89



MAT 4113

838.0 keV (n,n') Level
Legendre Coefficients

41-Nb-89



31

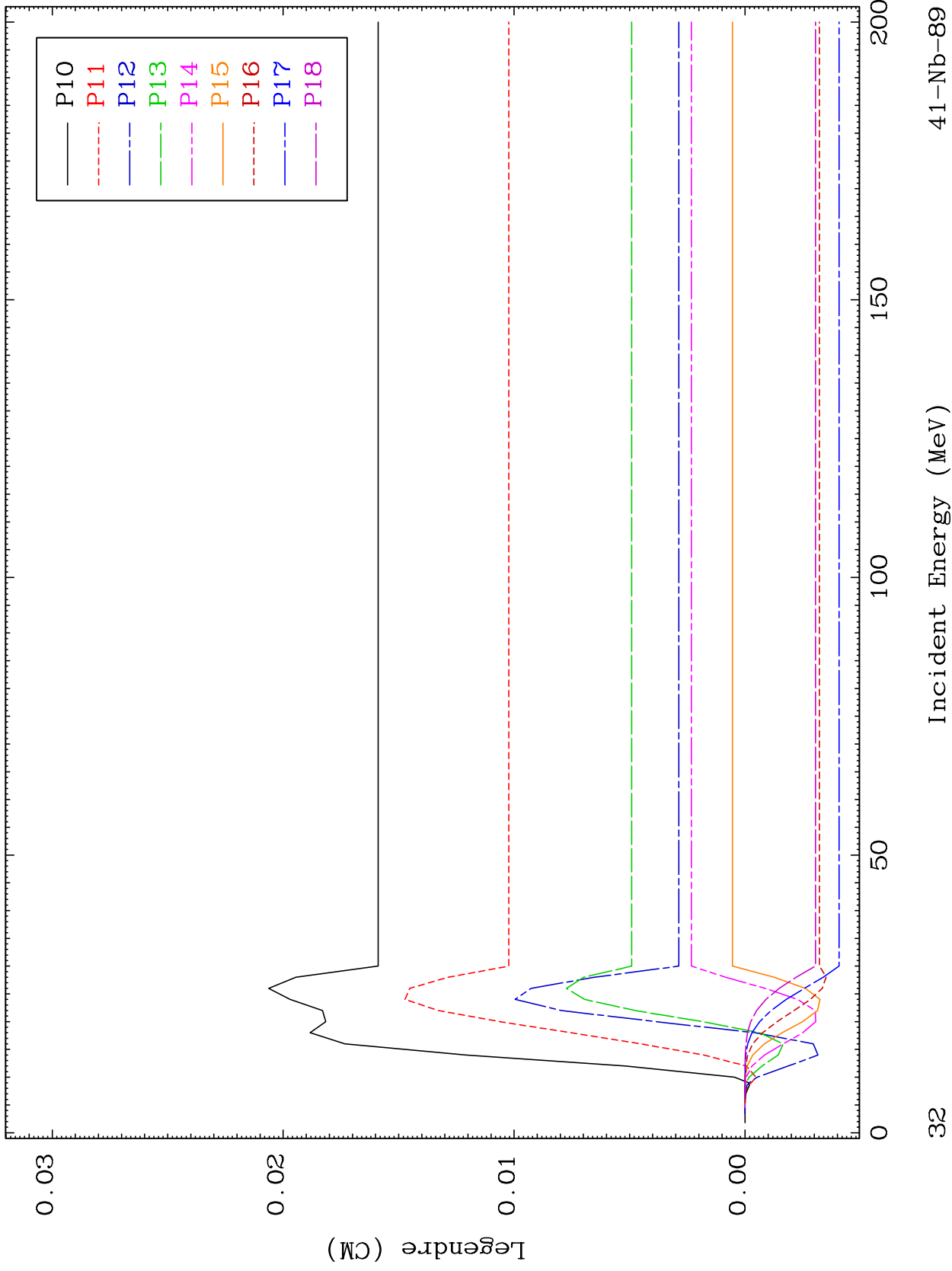
Incident Energy (MeV)

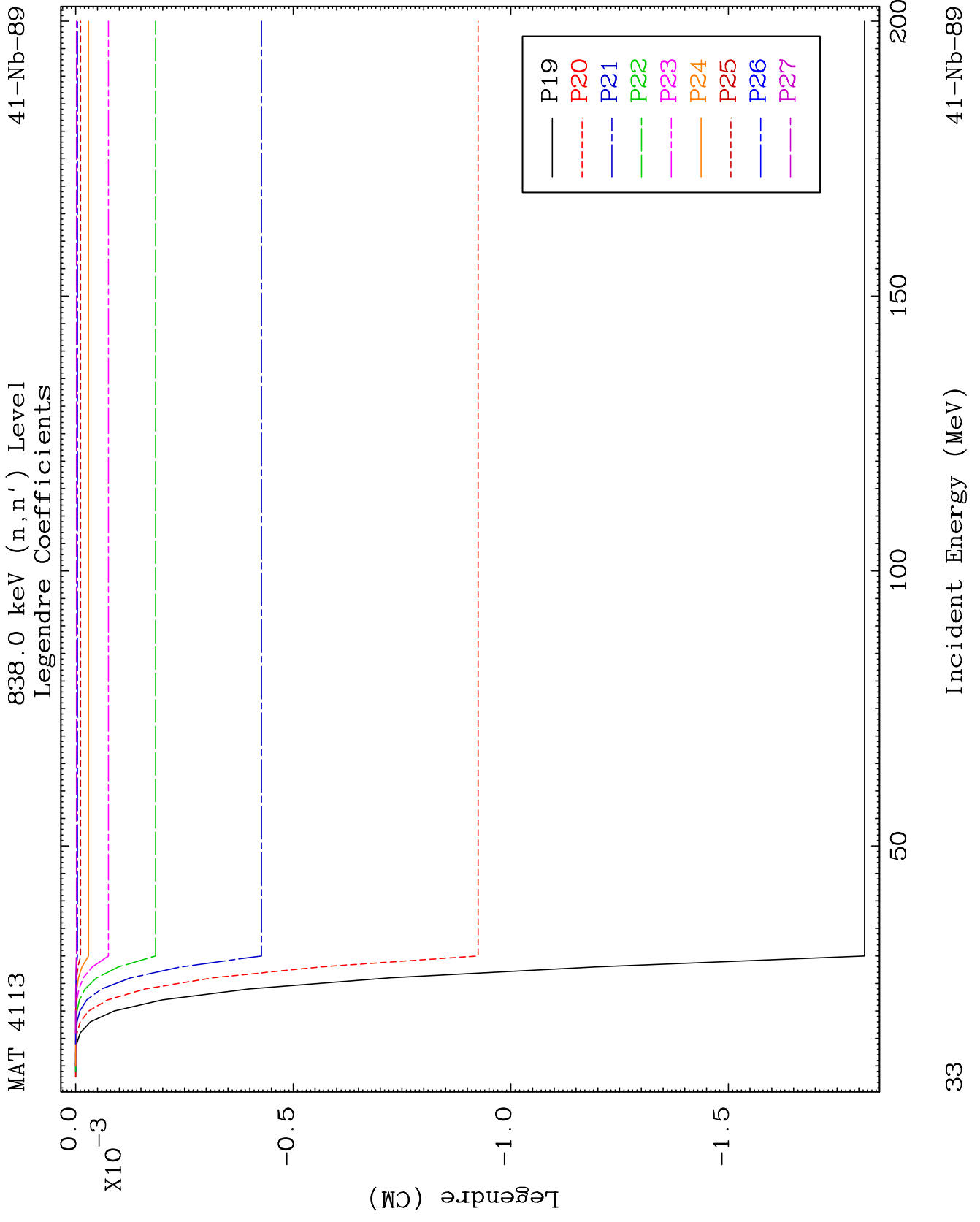
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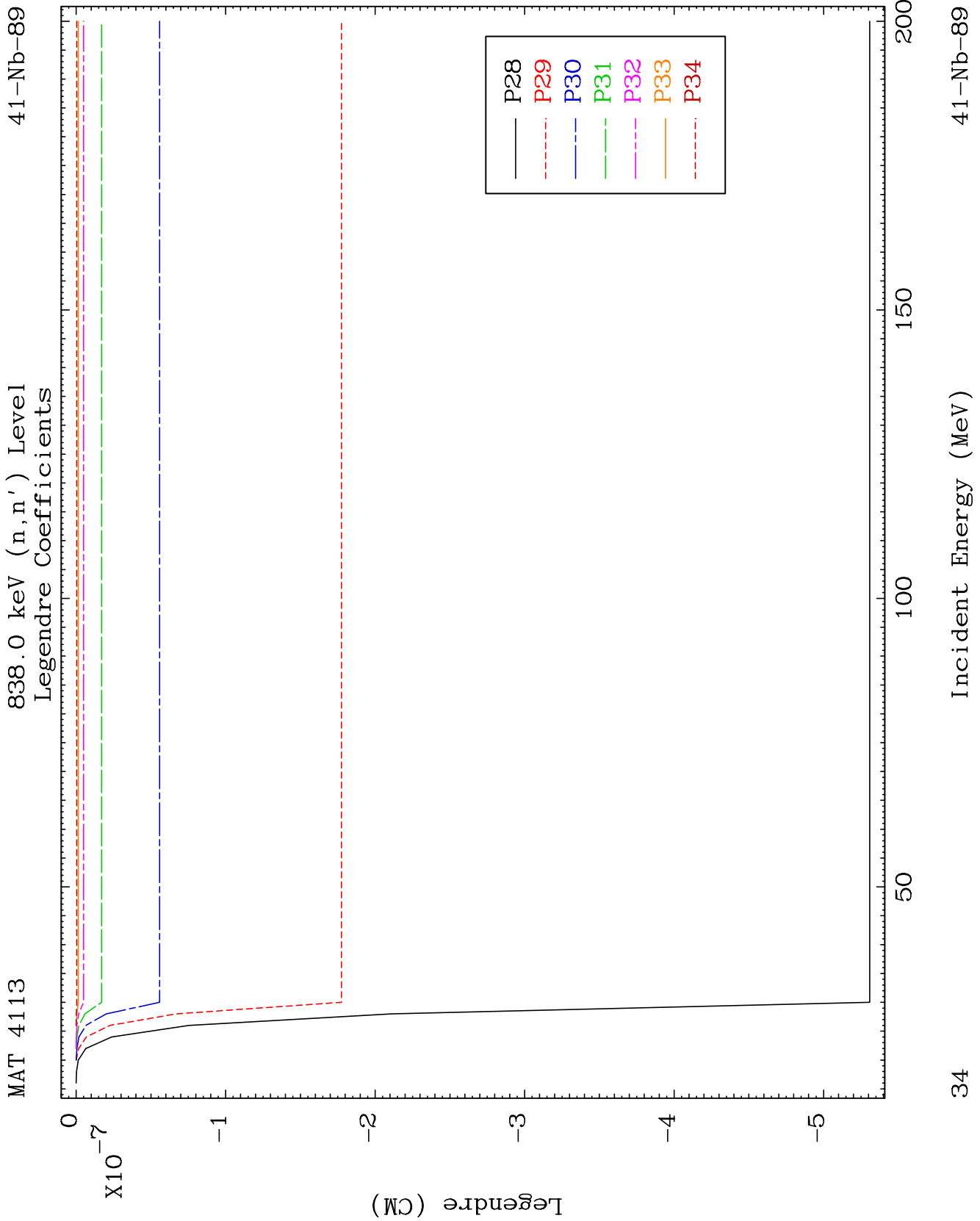
MAT 4113

838.0 keV (n,n') Level
Legendre Coefficients

41-Nb-89



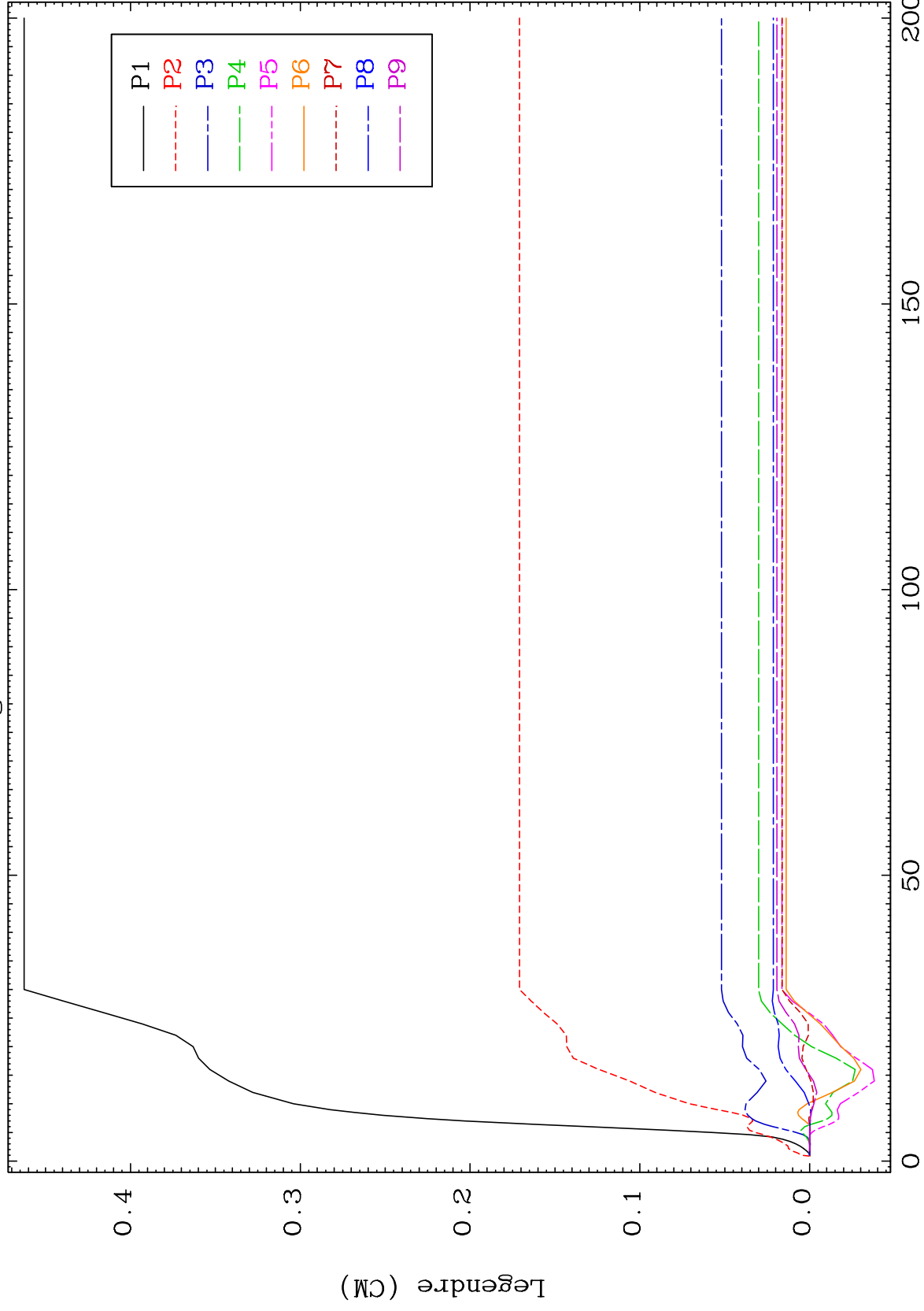




MAT 4113

844.0 keV (n,n') Level
Legendre Coefficients

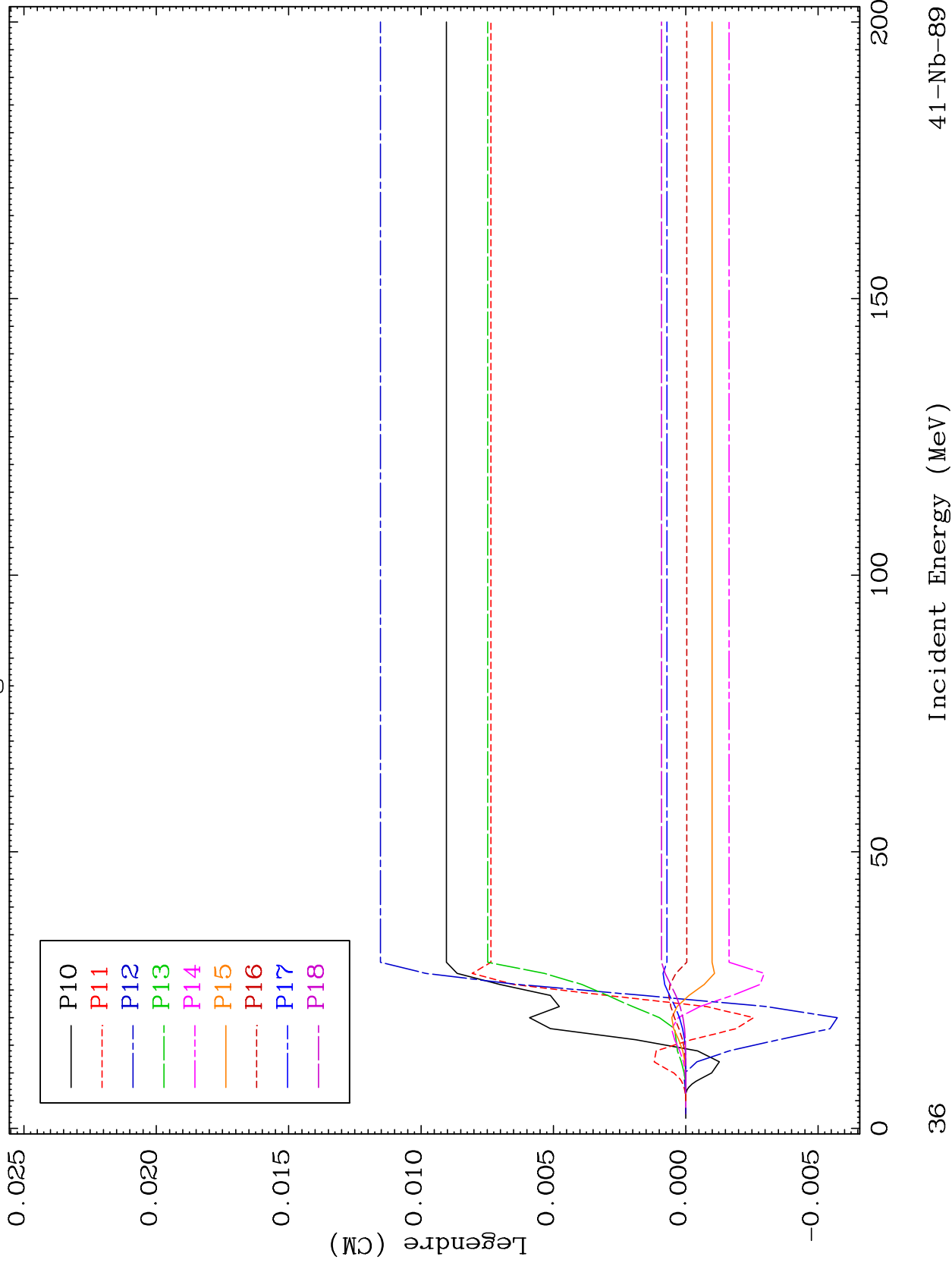
41-Nb-89



41-Nb-89

Incident Energy (MeV)

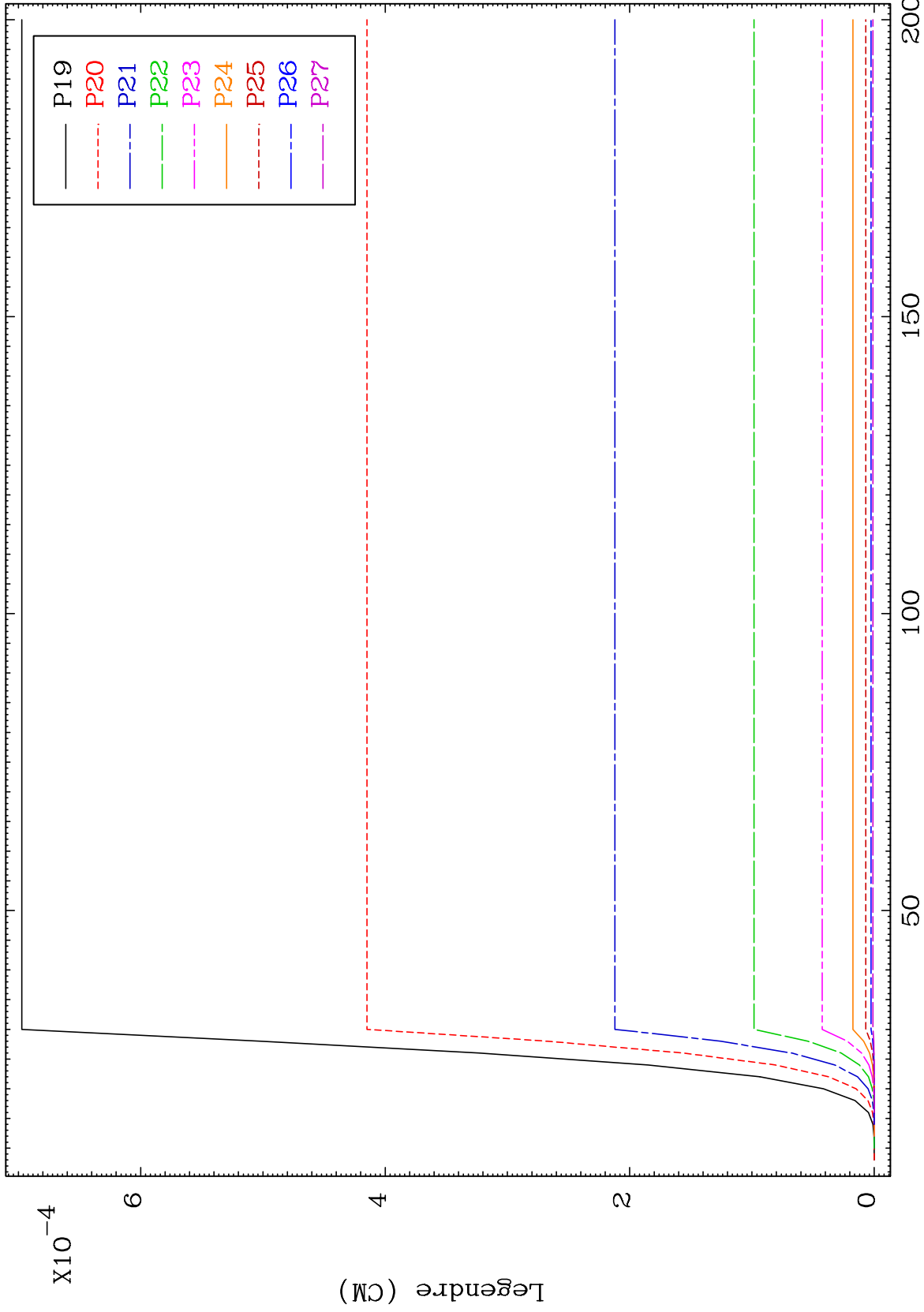
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MAT 4113

844.0 keV (n,n') Level
Legendre Coefficients

41-Nb-89



37

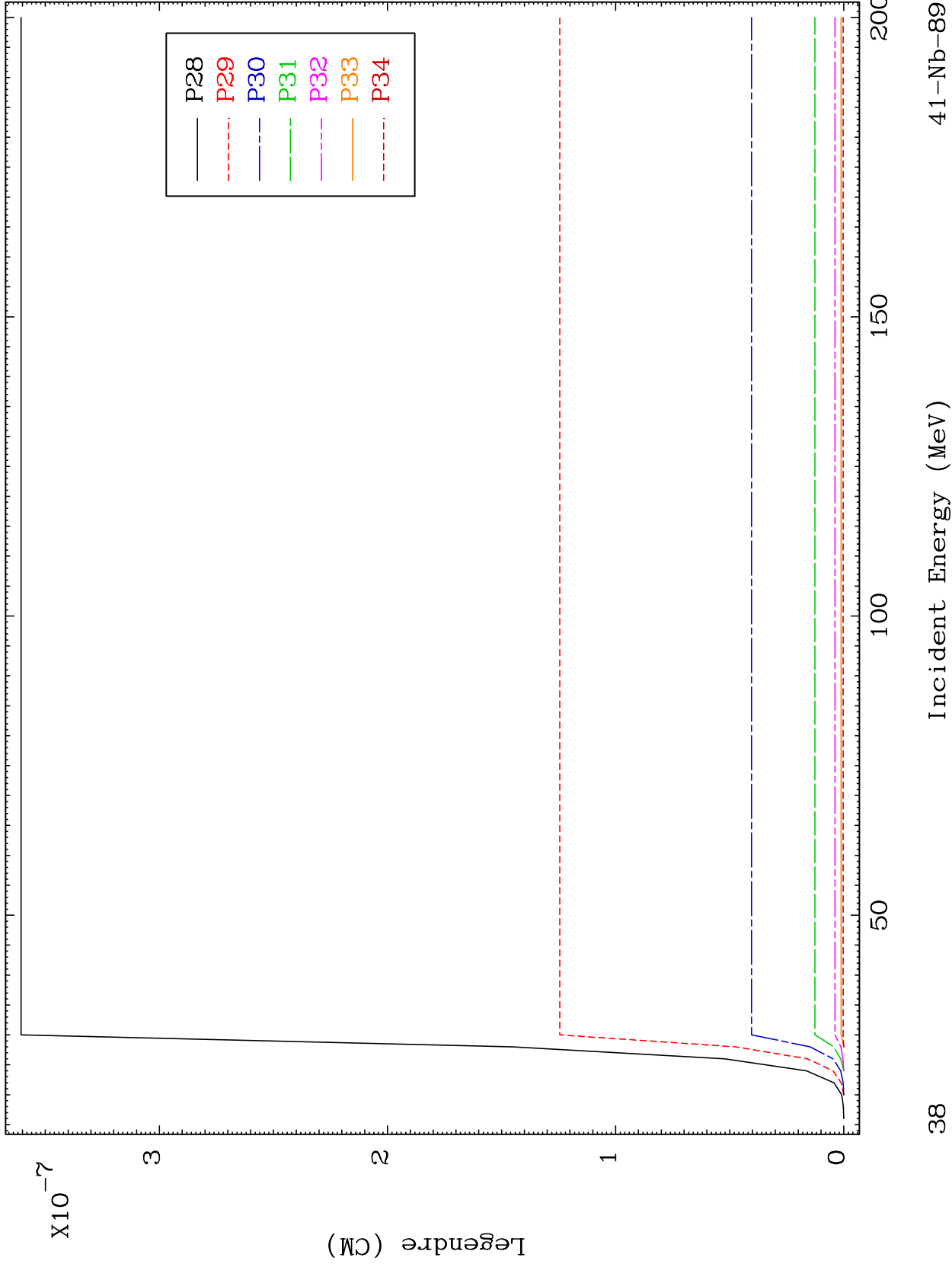
Incident Energy (MeV)

41-Nb-89

MAT 4113

844.0 keV (n,n') Level
Legendre Coefficients

41-Nb-89



38

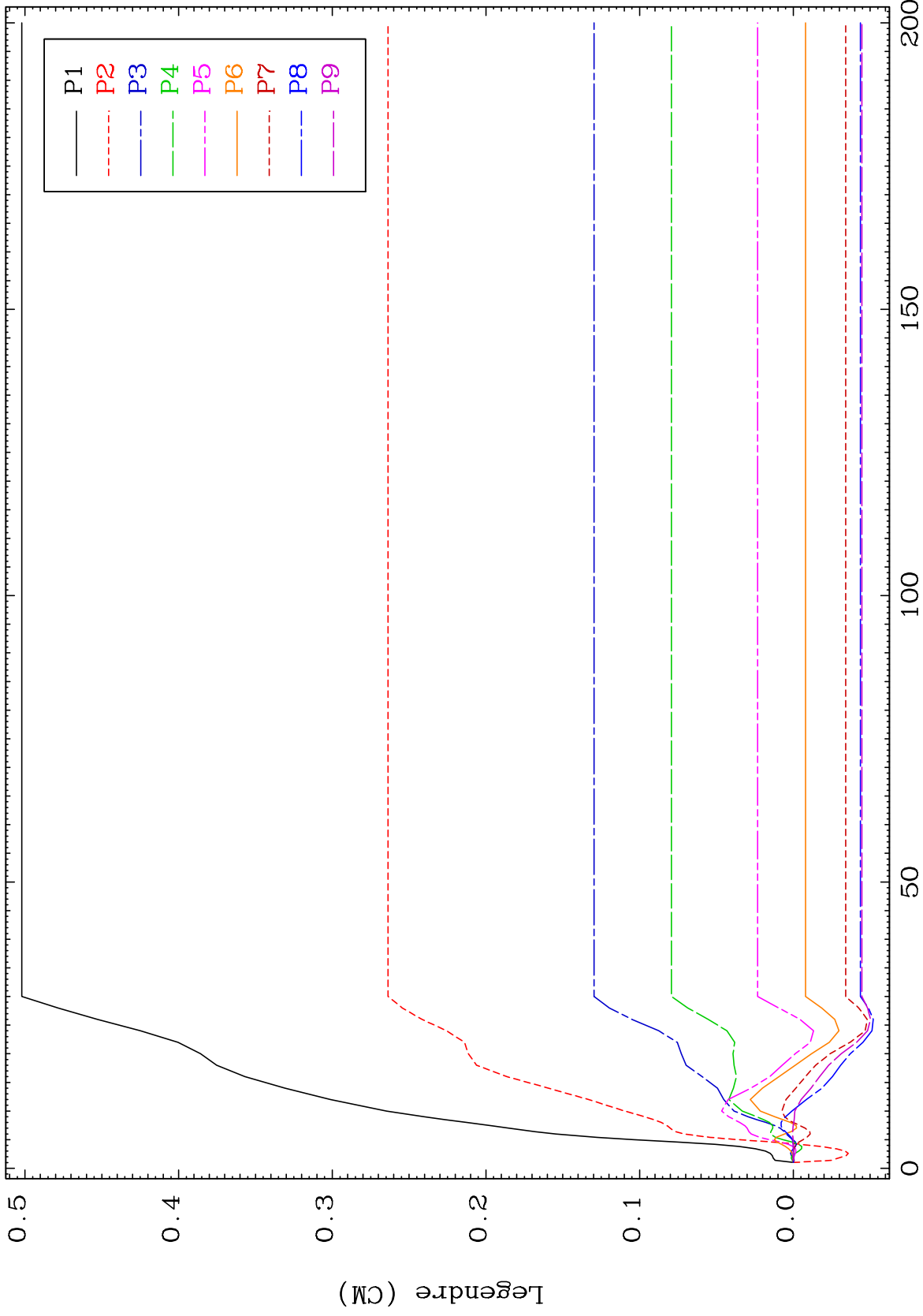
Incident Energy (MeV)

41-Nb-89

MAT 4113

1.003 MeV (n,n') Level
Legendre Coefficients

41-Nb-89



39

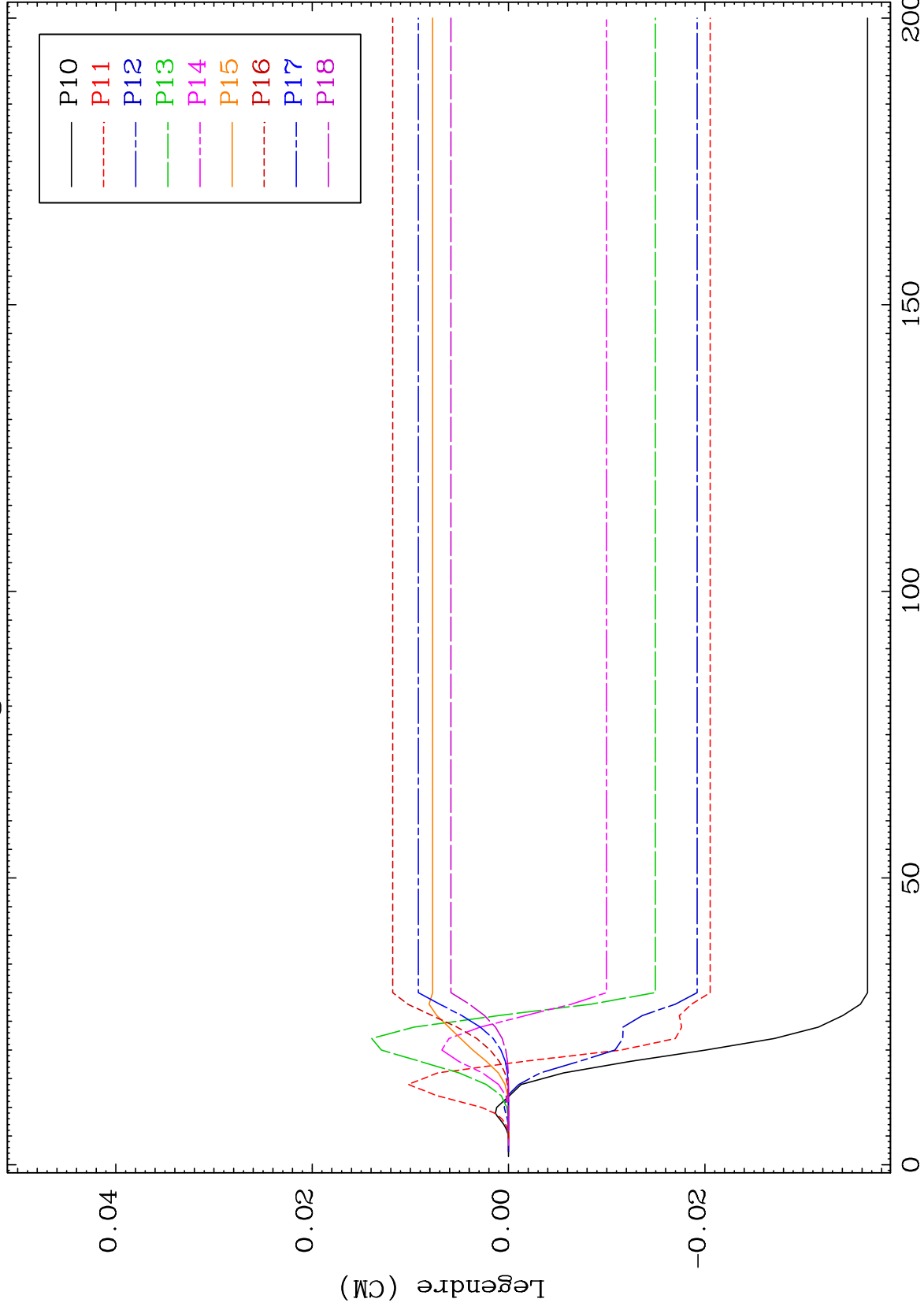
Incident Energy (MeV)

41-Nb-89

MAT 4113

1.003 MeV (n,n') Level Legendre Coefficients

41-Nb-89



40

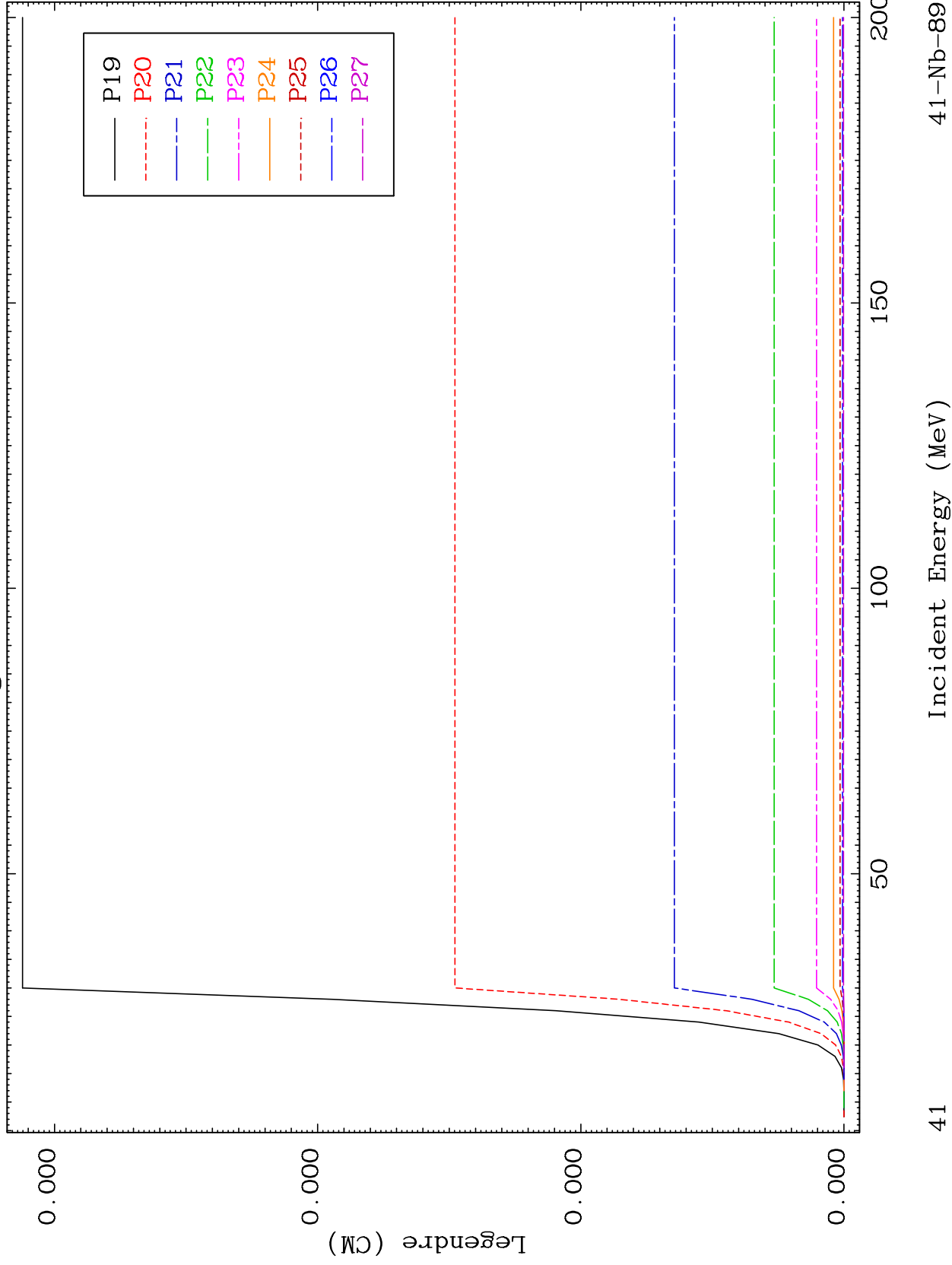
Incident Energy (MeV)

41-Nb-89

MAT 4113

1.003 MeV (n, n') Level
Legendre Coefficients

41-Nb-89



41

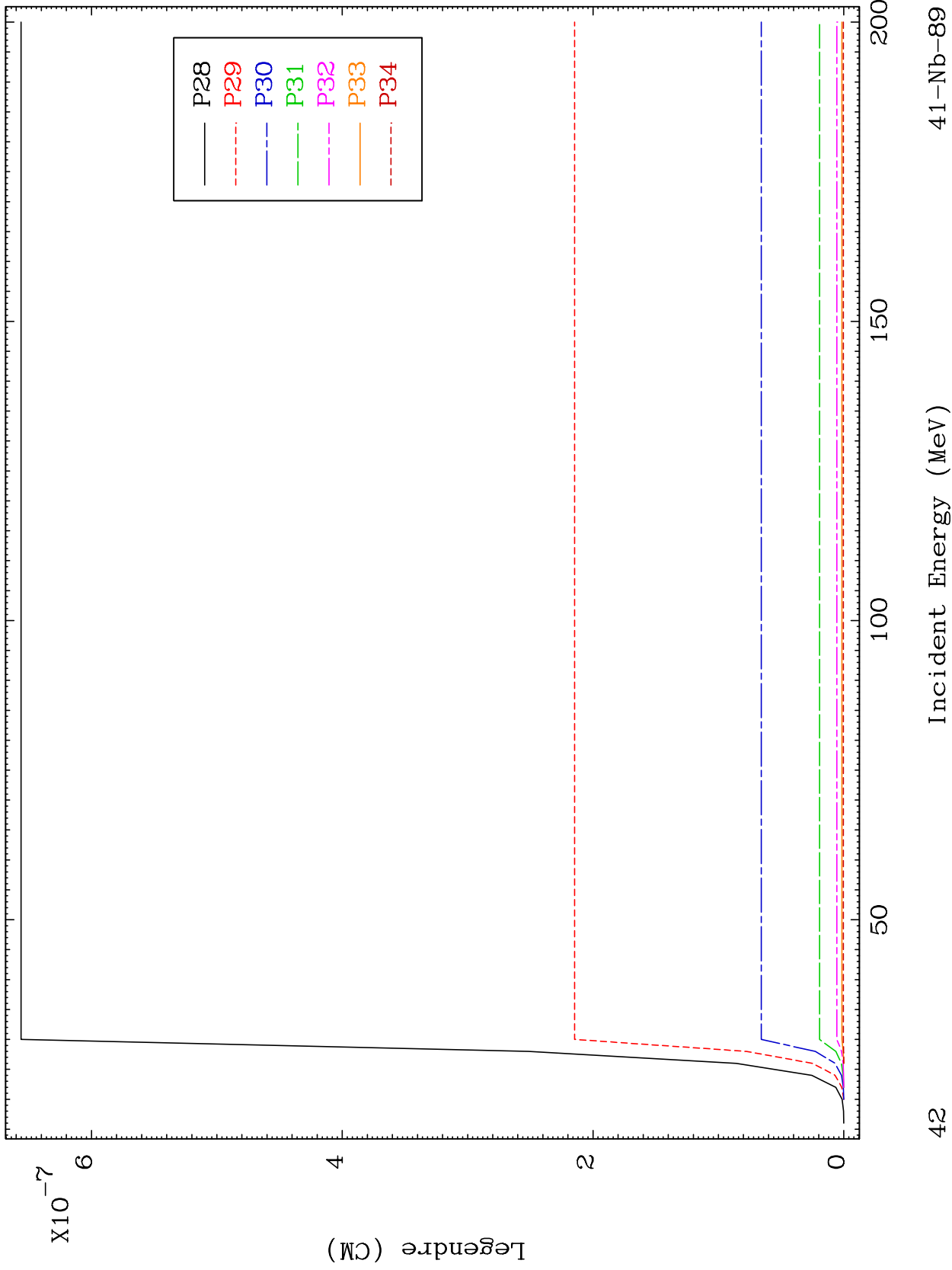
Incident Energy (MeV)

41-Nb-89

MAT 4113

1.003 MeV (n,n') Level
Legendre Coefficients

41-Nb-89



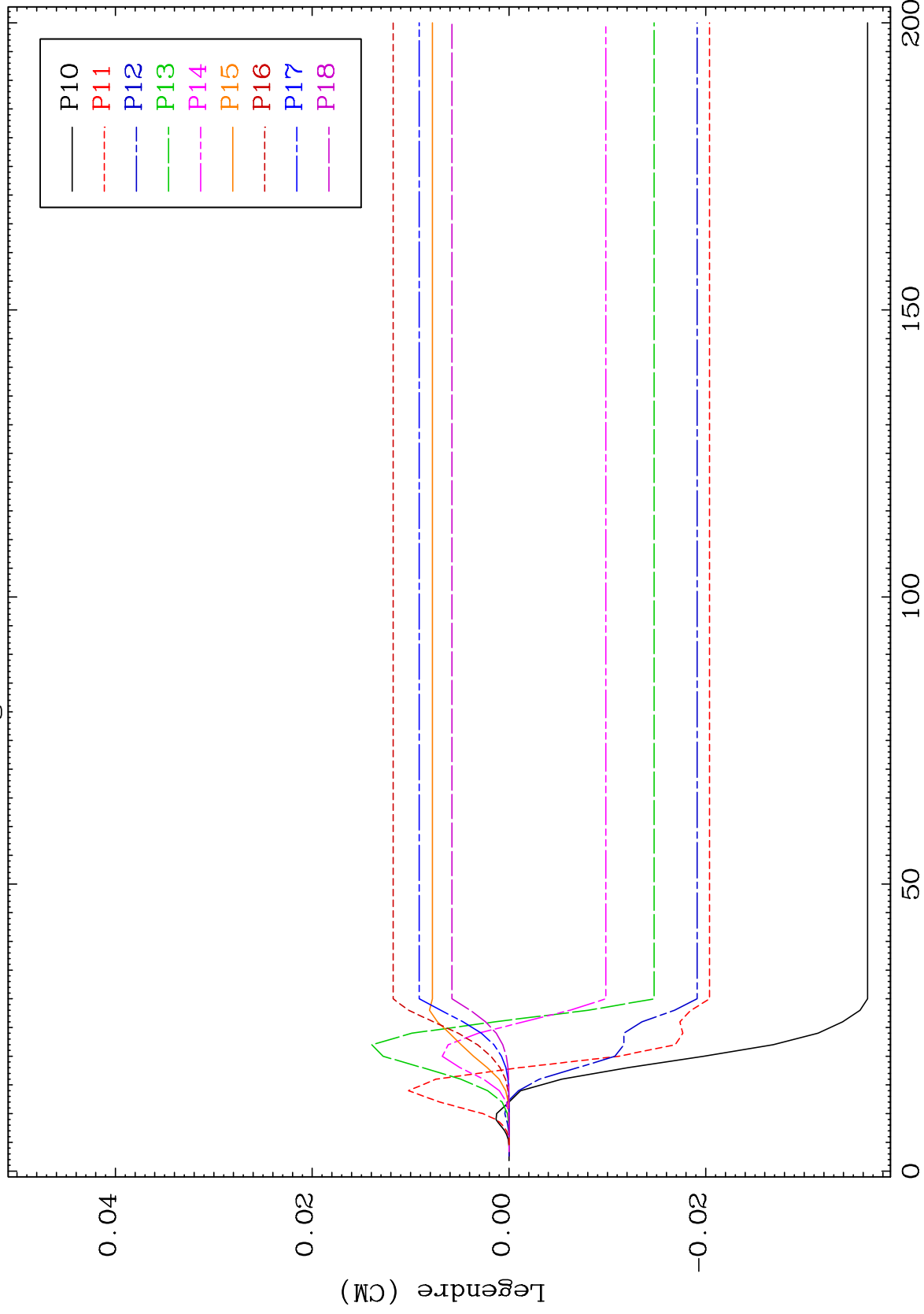
42

41-Nb-89

MAT 4113

1.155 MeV (n,n') Level
Legendre Coefficients

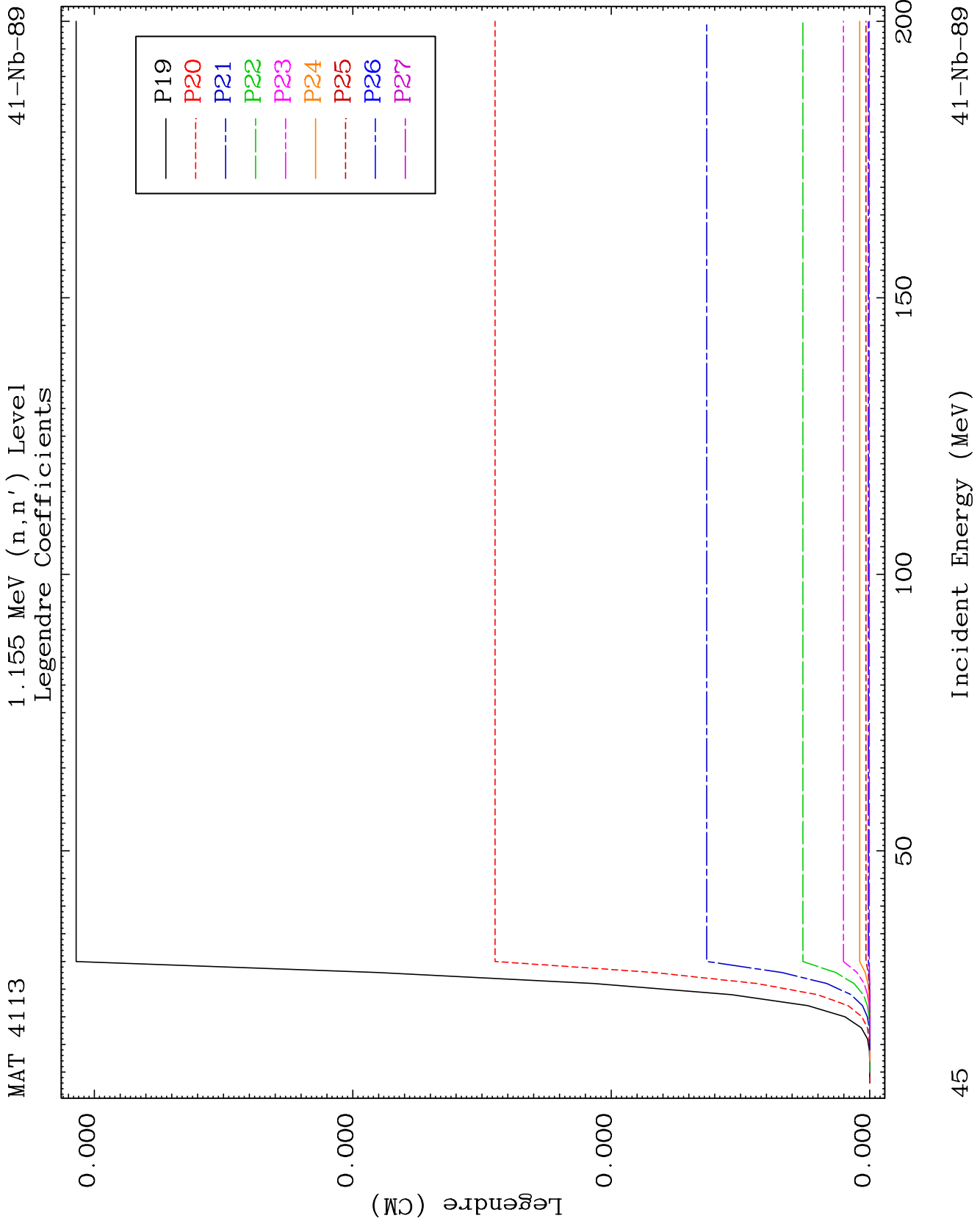
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44

Incident Energy (MeV)

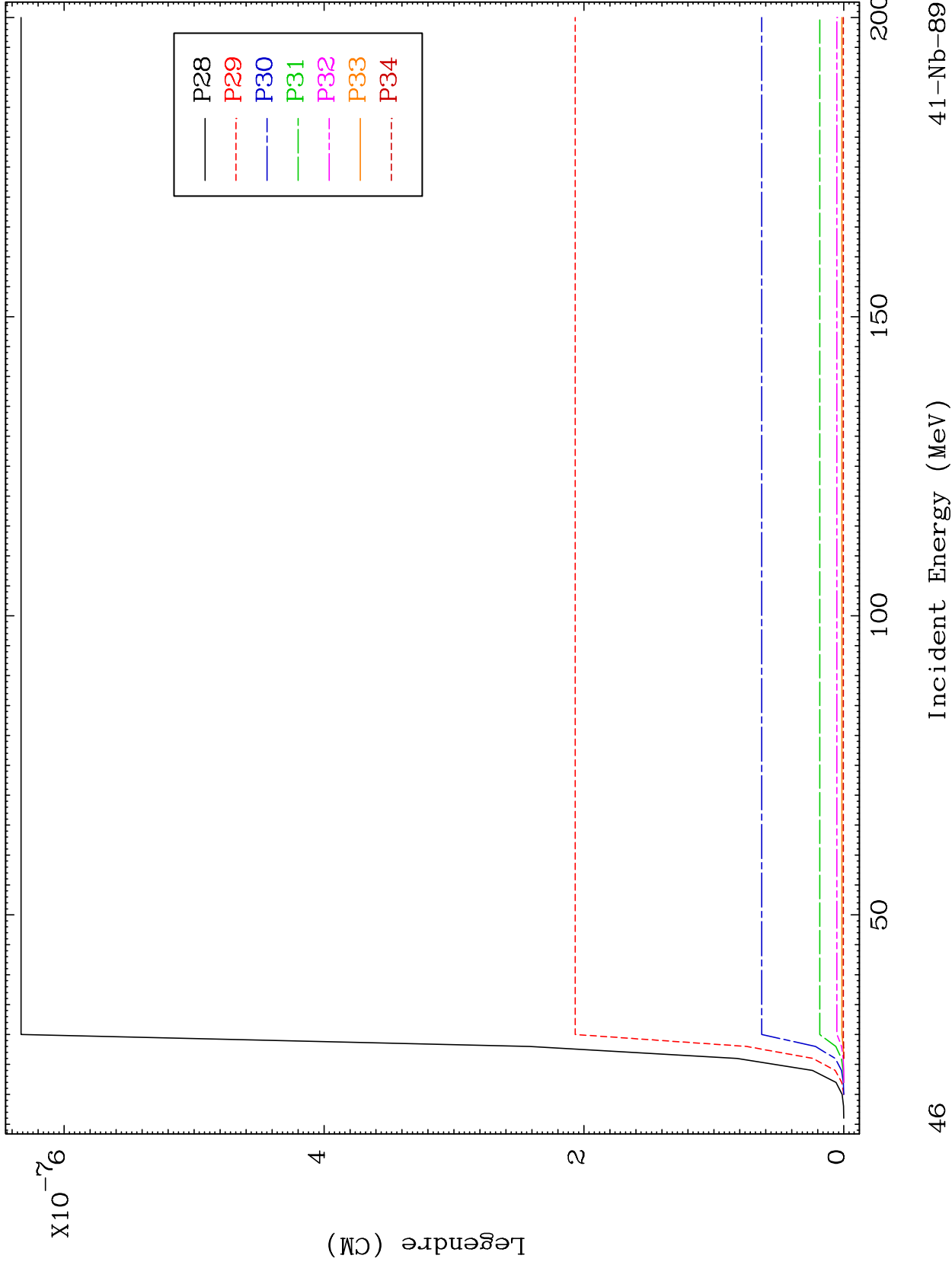
41-Nb-89



MAT 4113

1.155 MeV (n,n') Level
Legendre Coefficients

41-Nb-89



46

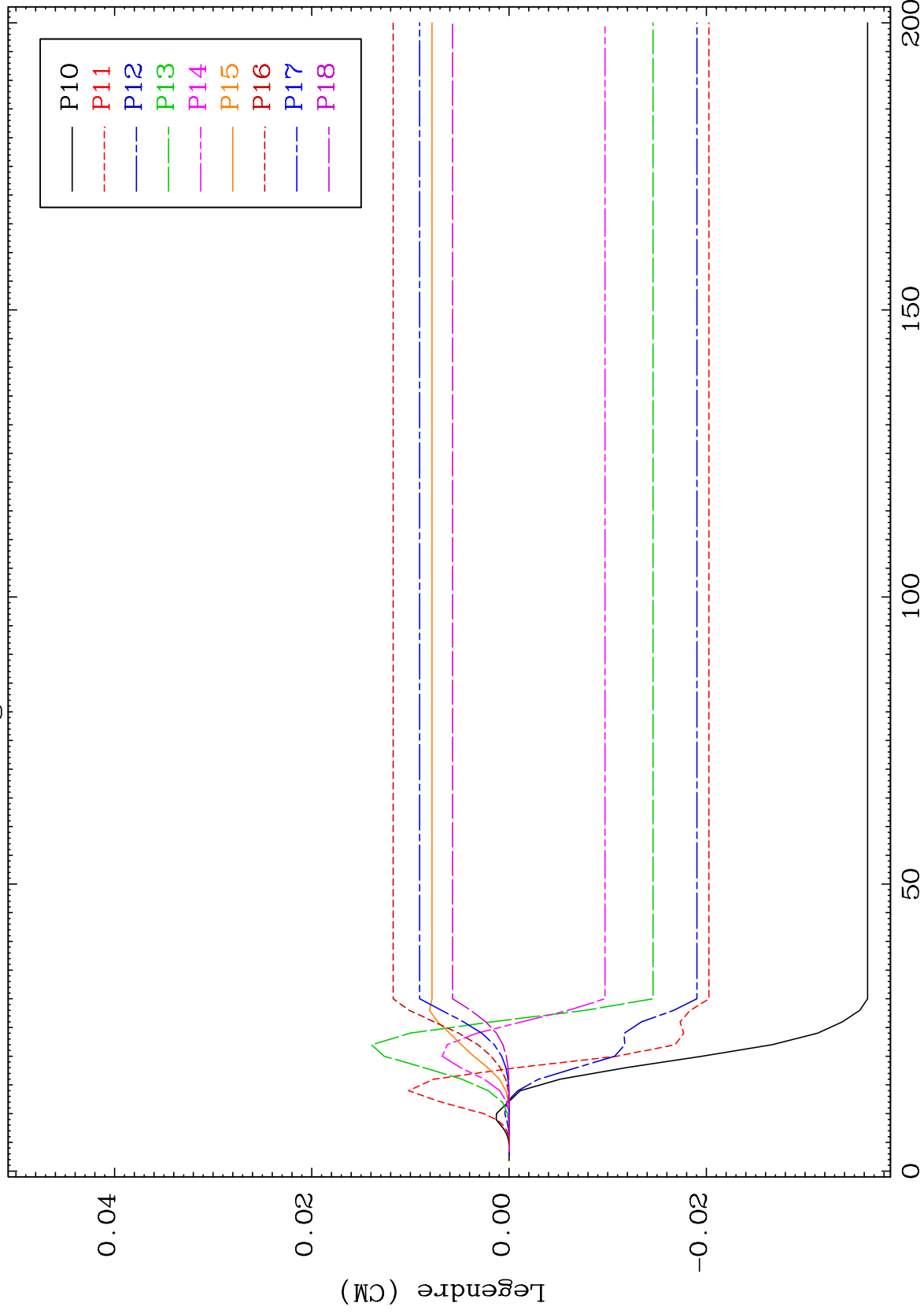
Incident Energy (MeV)

41-Nb-89

MAT 4113

1.272 MeV (n,n') Level
Legendre Coefficients

41-Nb-89



48

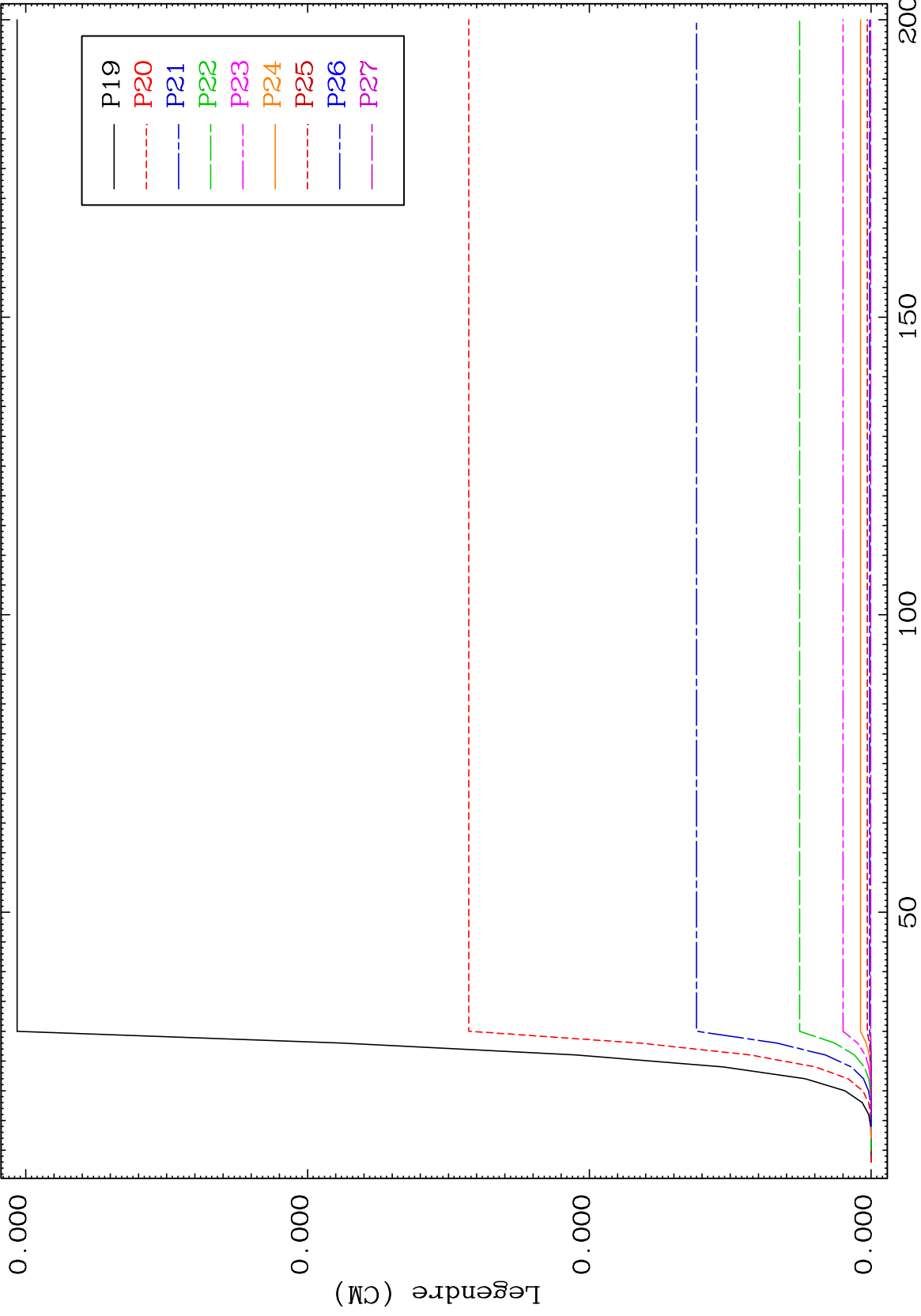
Incident Energy (MeV)

41-Nb-89

MAT 4113

1.272 MeV (n,n') Level
Legendre Coefficients

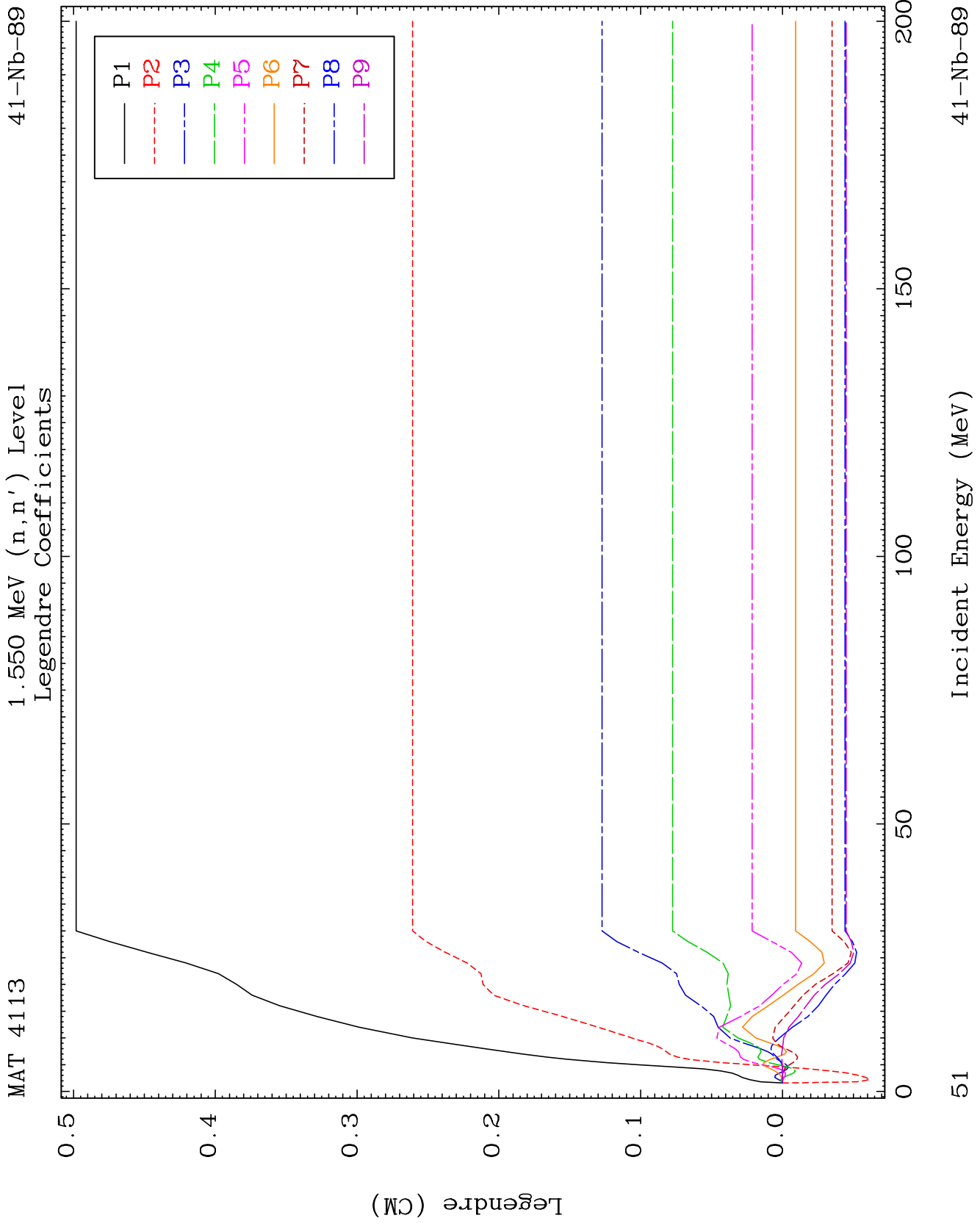
41-Nb-89



49

Incident Energy (MeV)

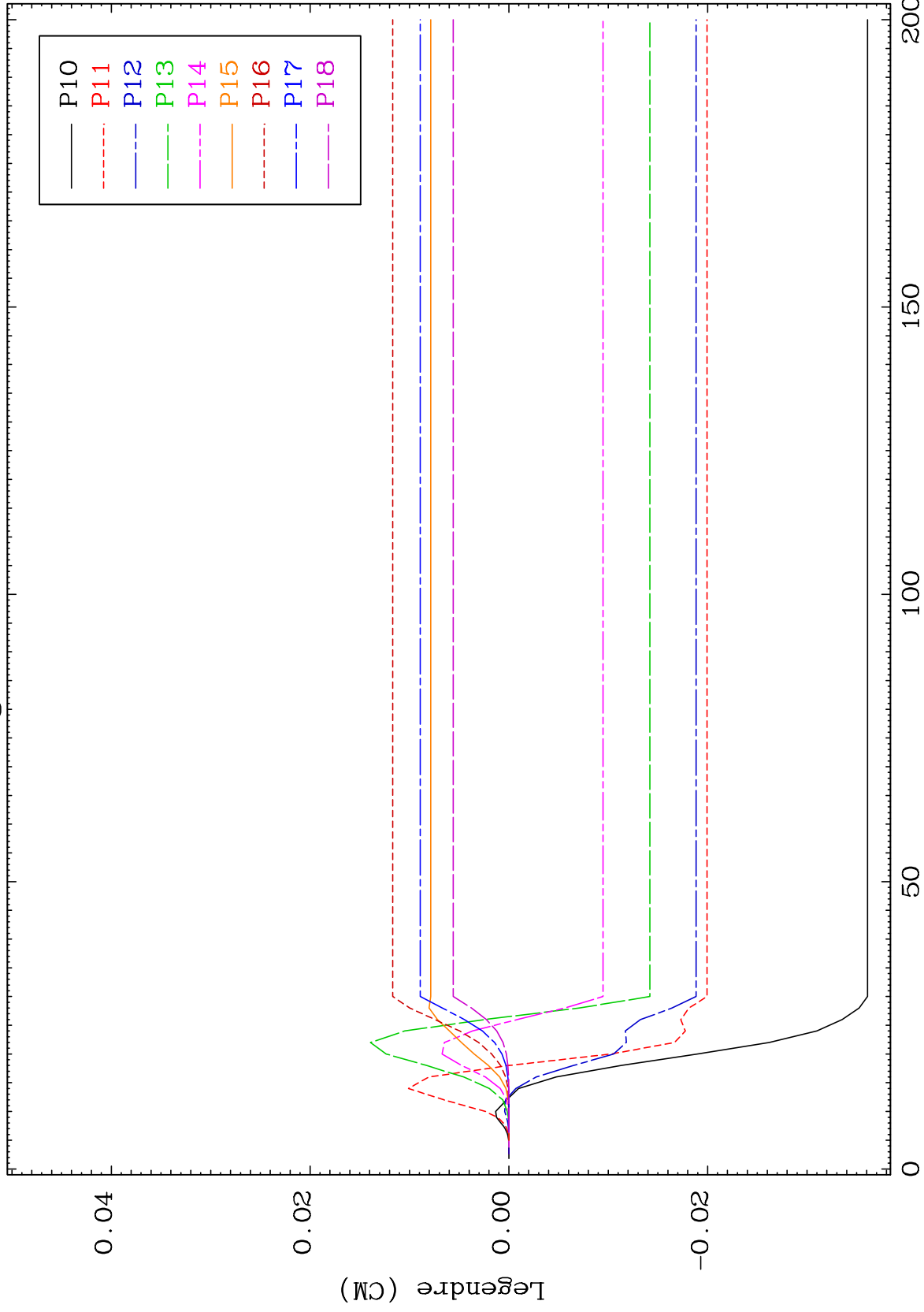
41-Nb-89



MAT 4113

1.550 MeV (n,n') Level
Legendre Coefficients

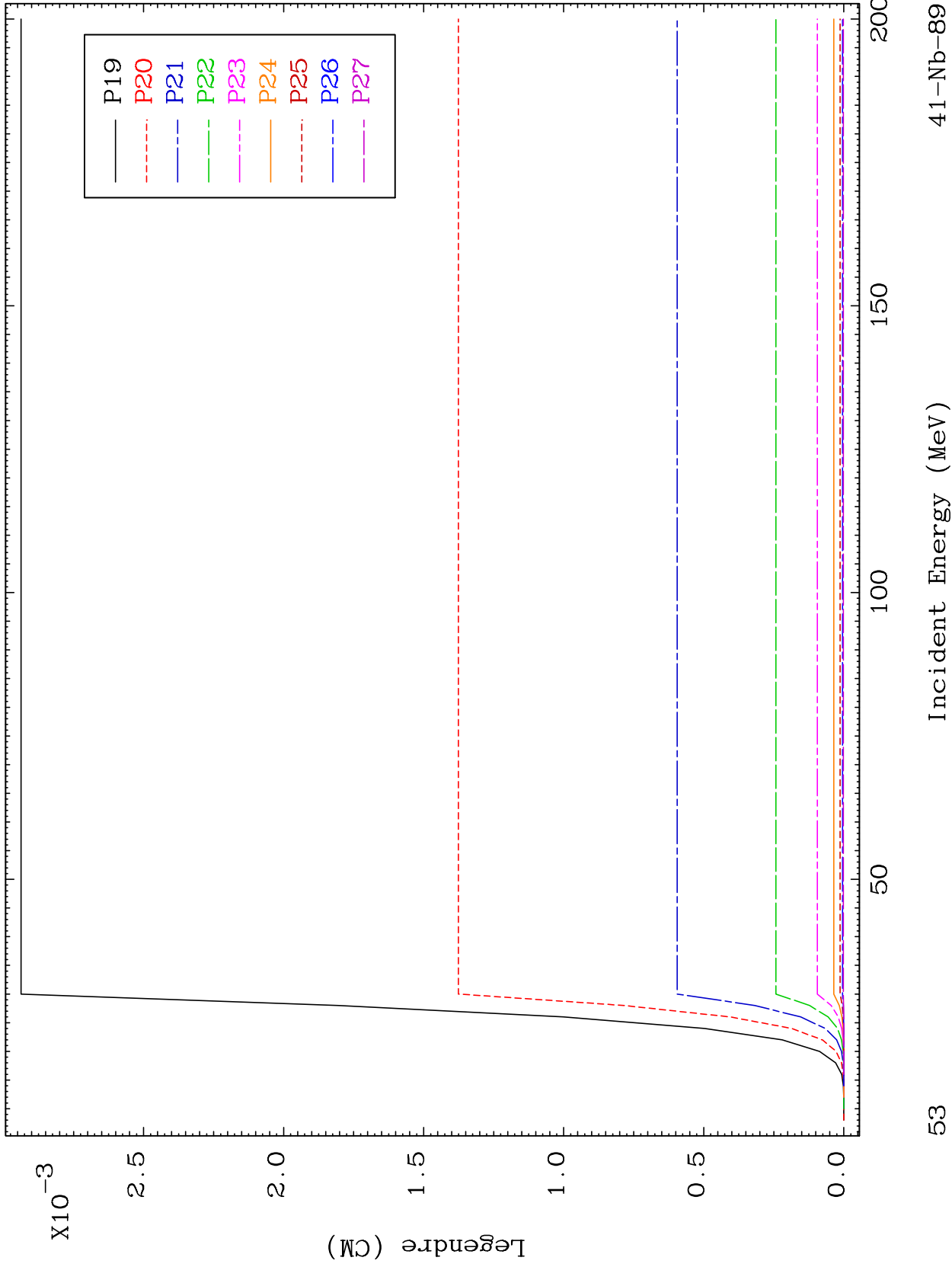
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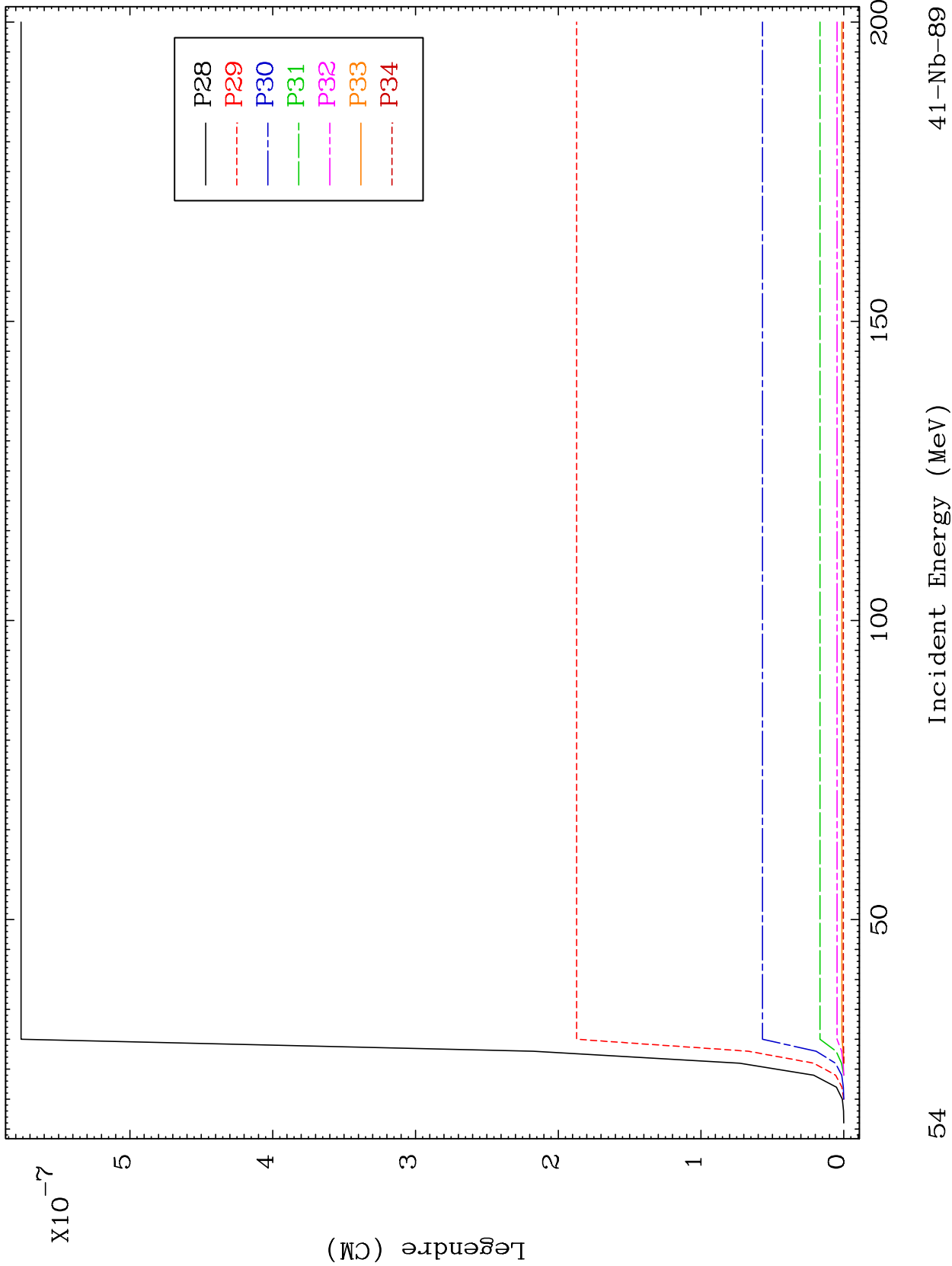


52

Incident Energy (MeV)

41-Nb-89

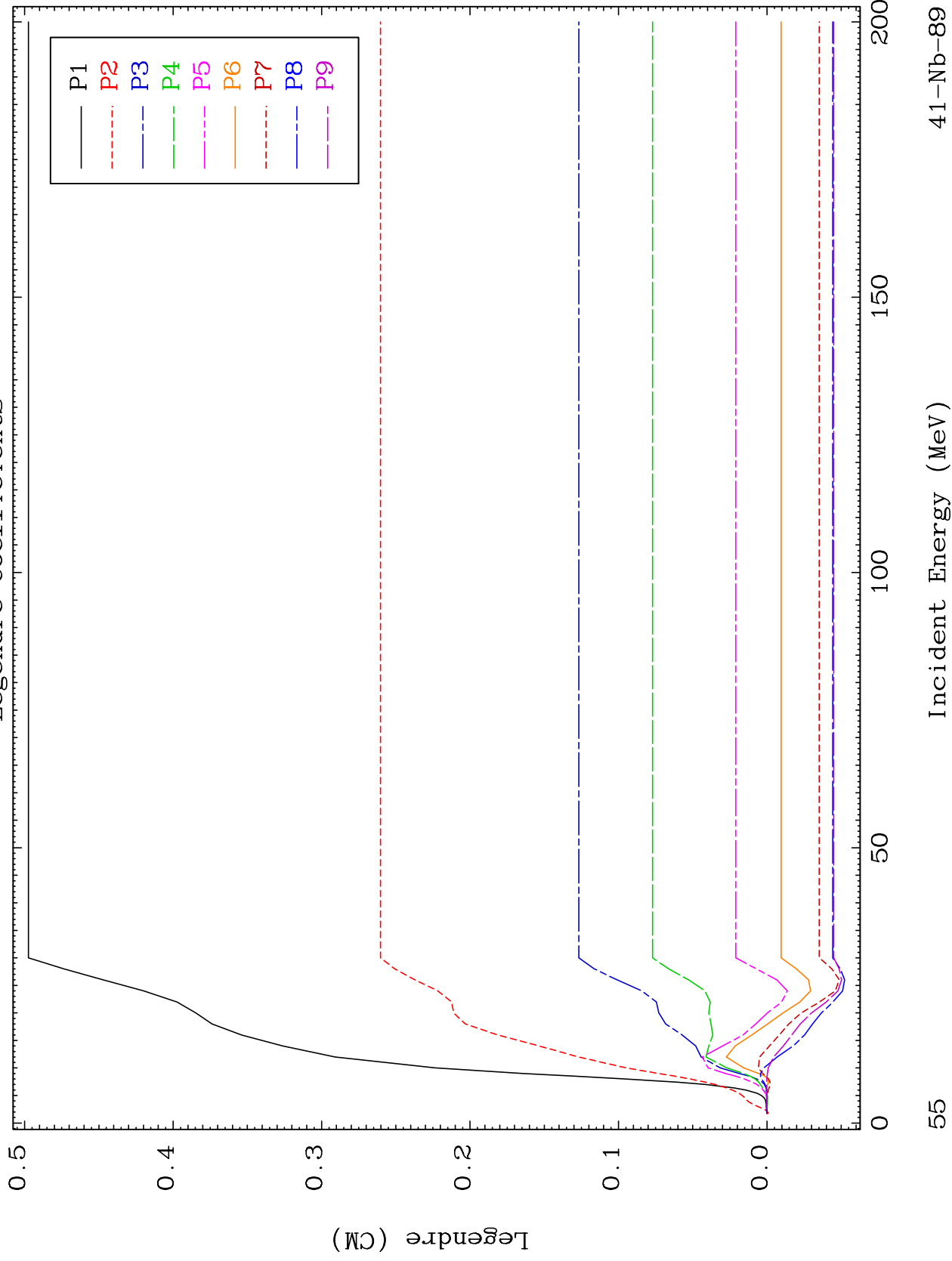




MAT 4113

1.640 MeV (n,n') Level
Legendre Coefficients

41-Nb-89



55

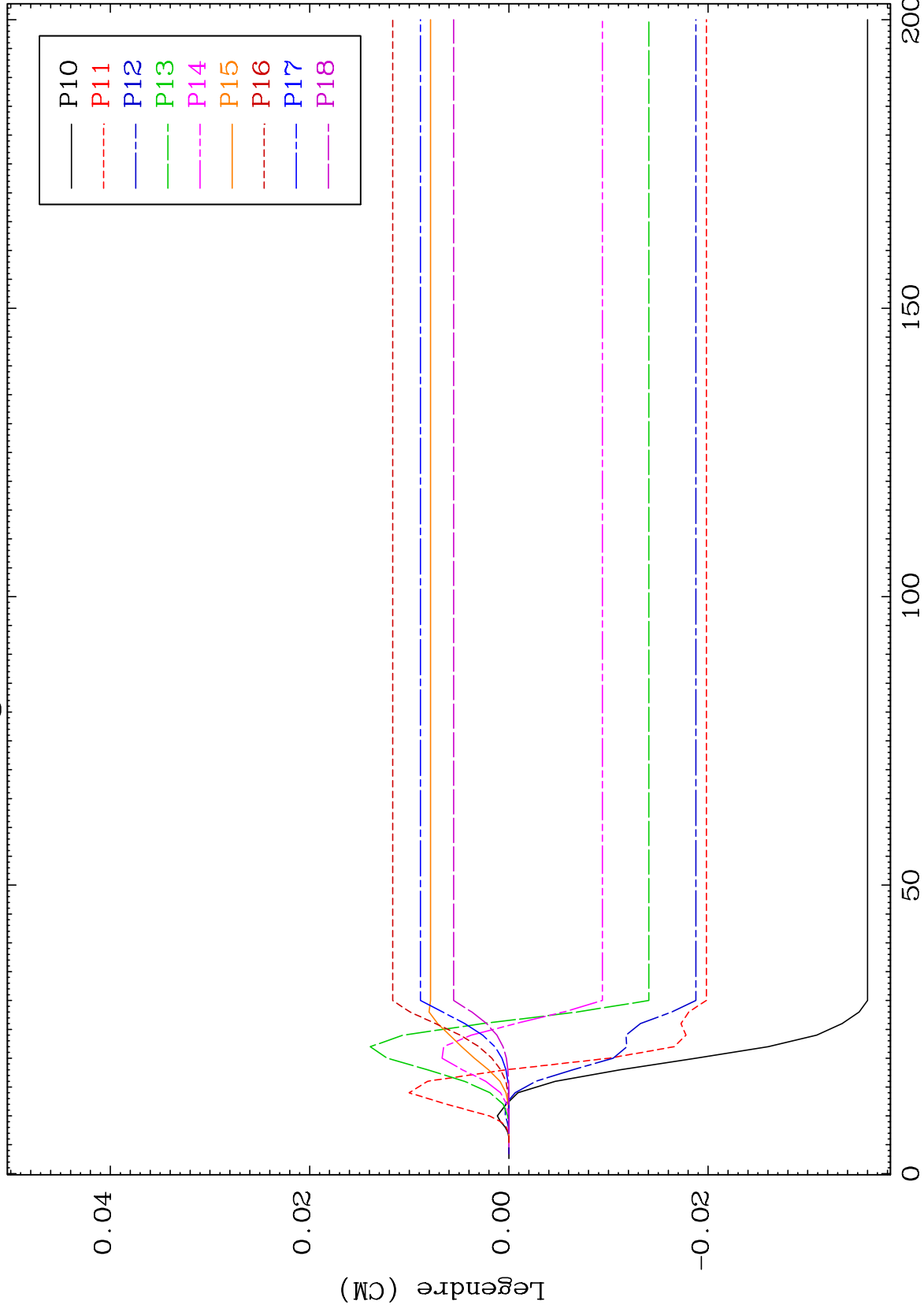
Incident Energy (MeV)

41-Nb-89

MAT 4113

1.640 MeV (n,n') Level
Legendre Coefficients

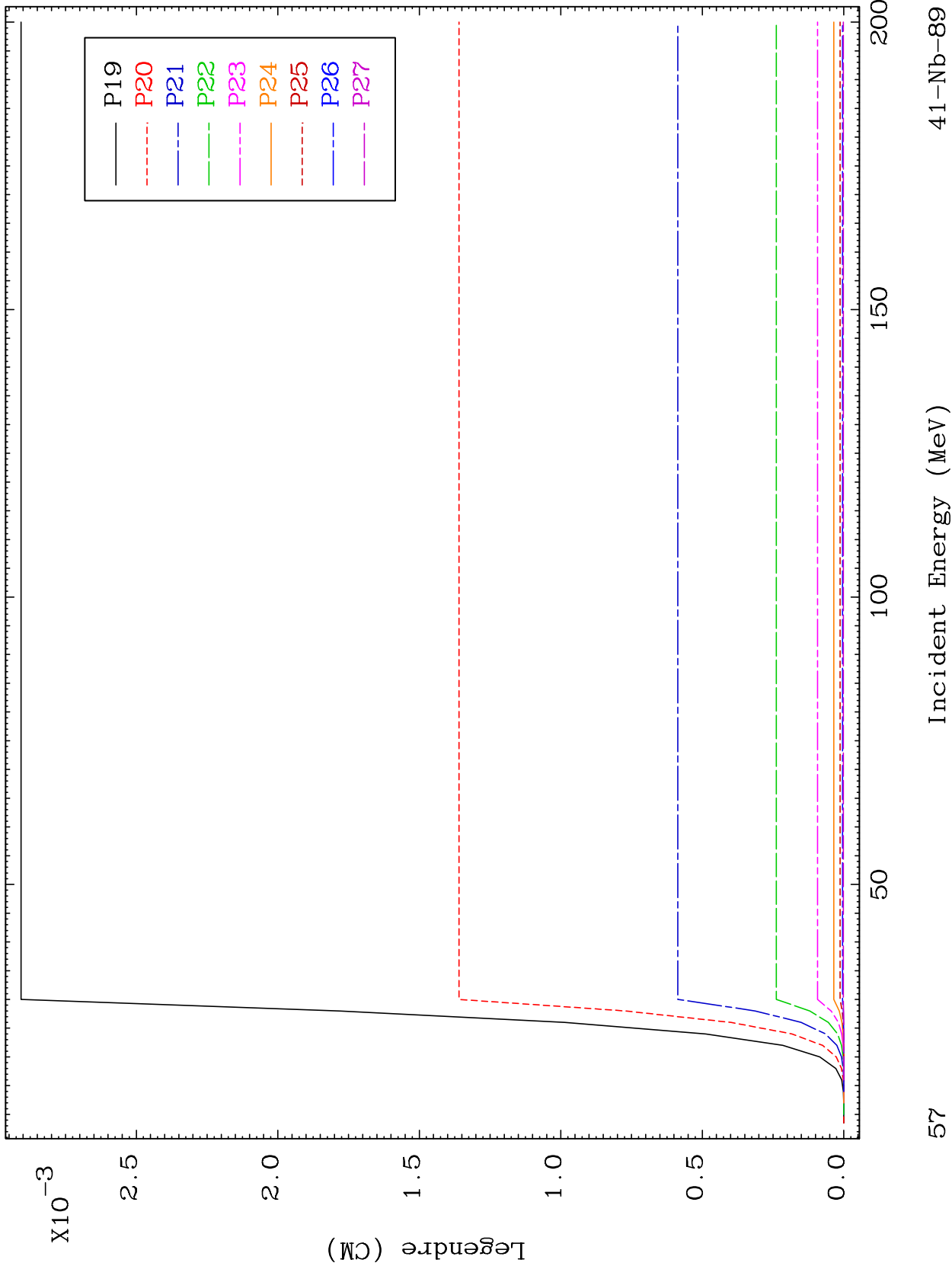
41-Nb-89



56

Incident Energy (MeV)

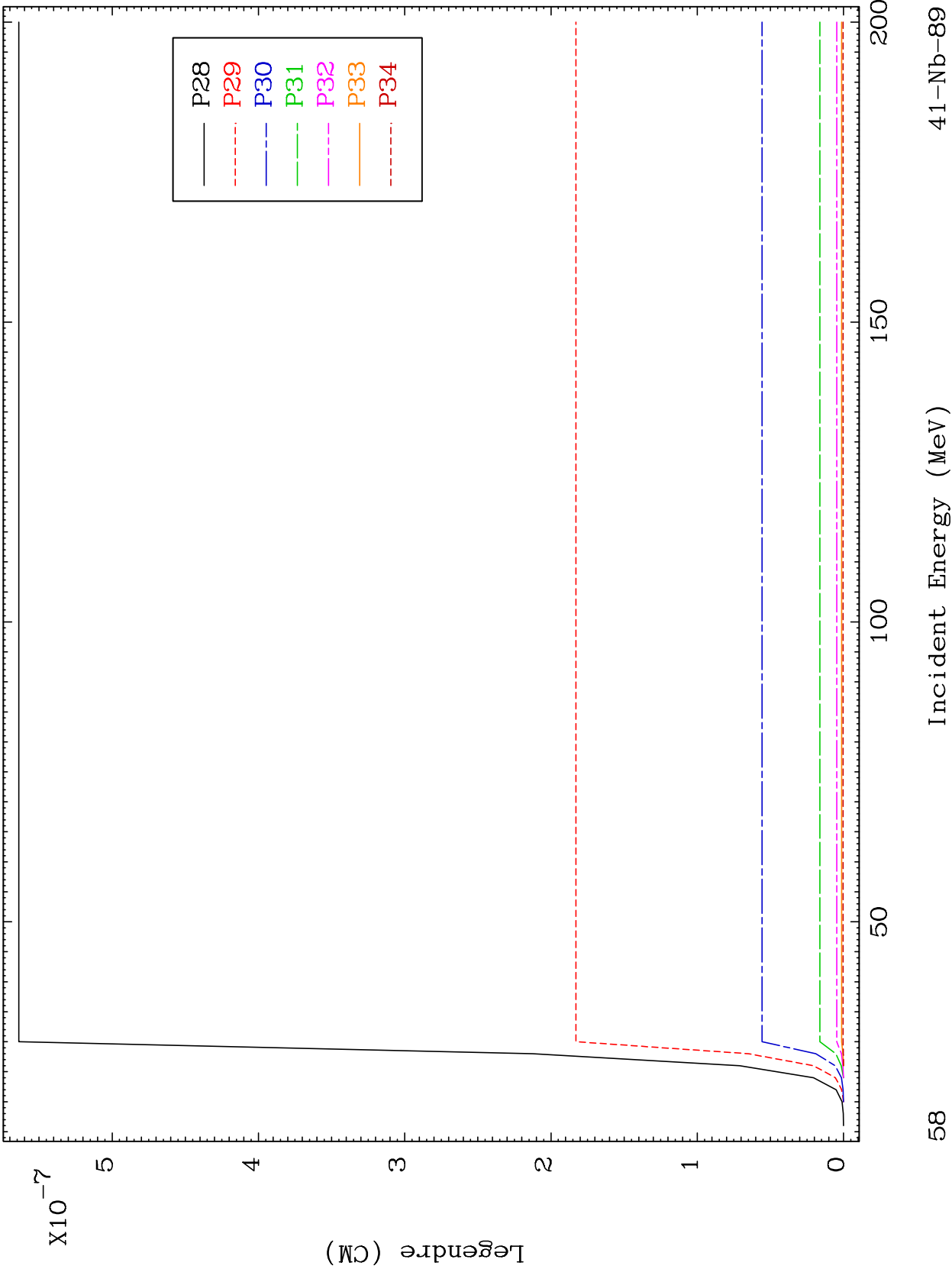
41-Nb-89



MAT 4113

1.640 MeV (n,n') Level
Legendre Coefficients

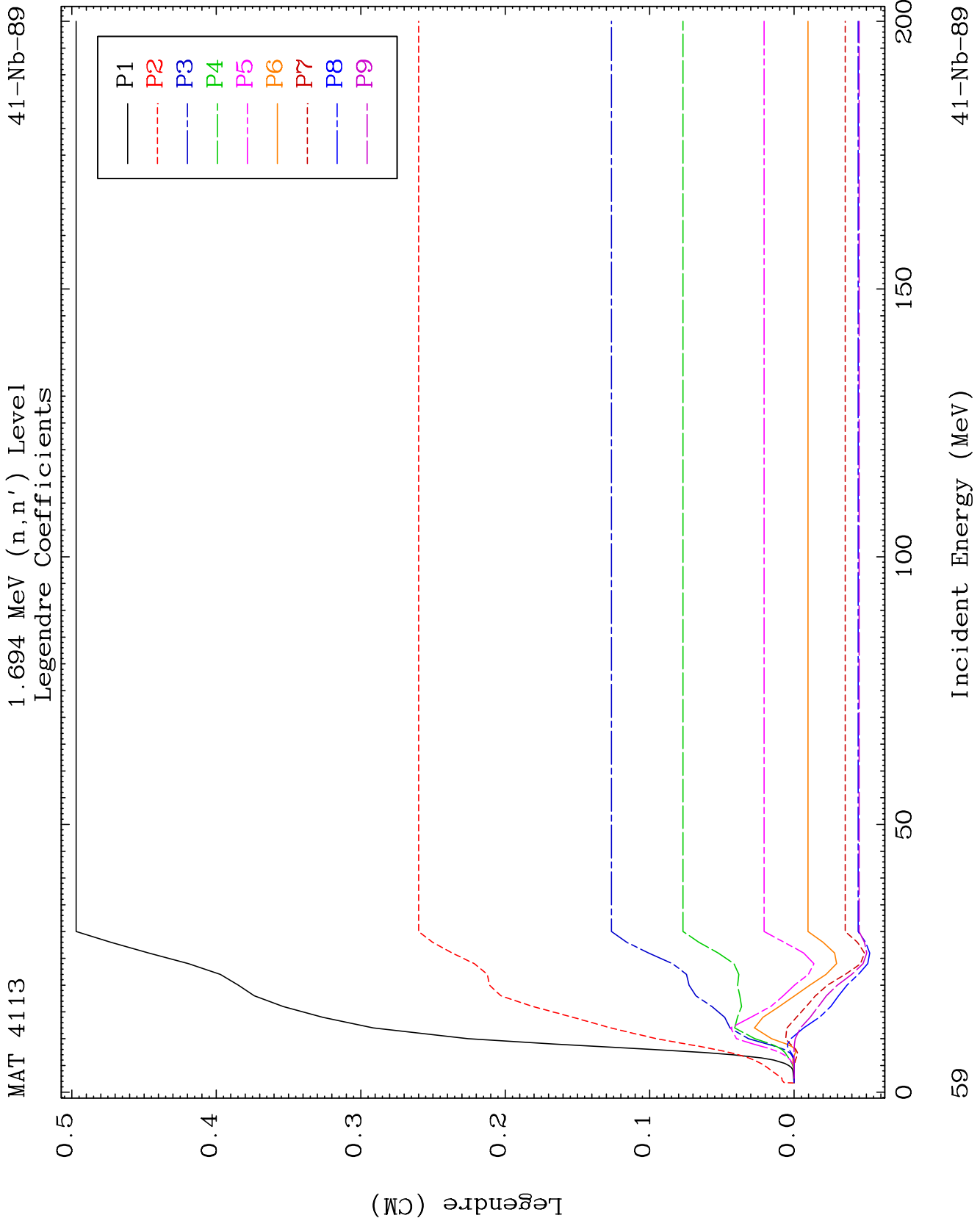
41-Nb-89



58

Incident Energy (MeV)

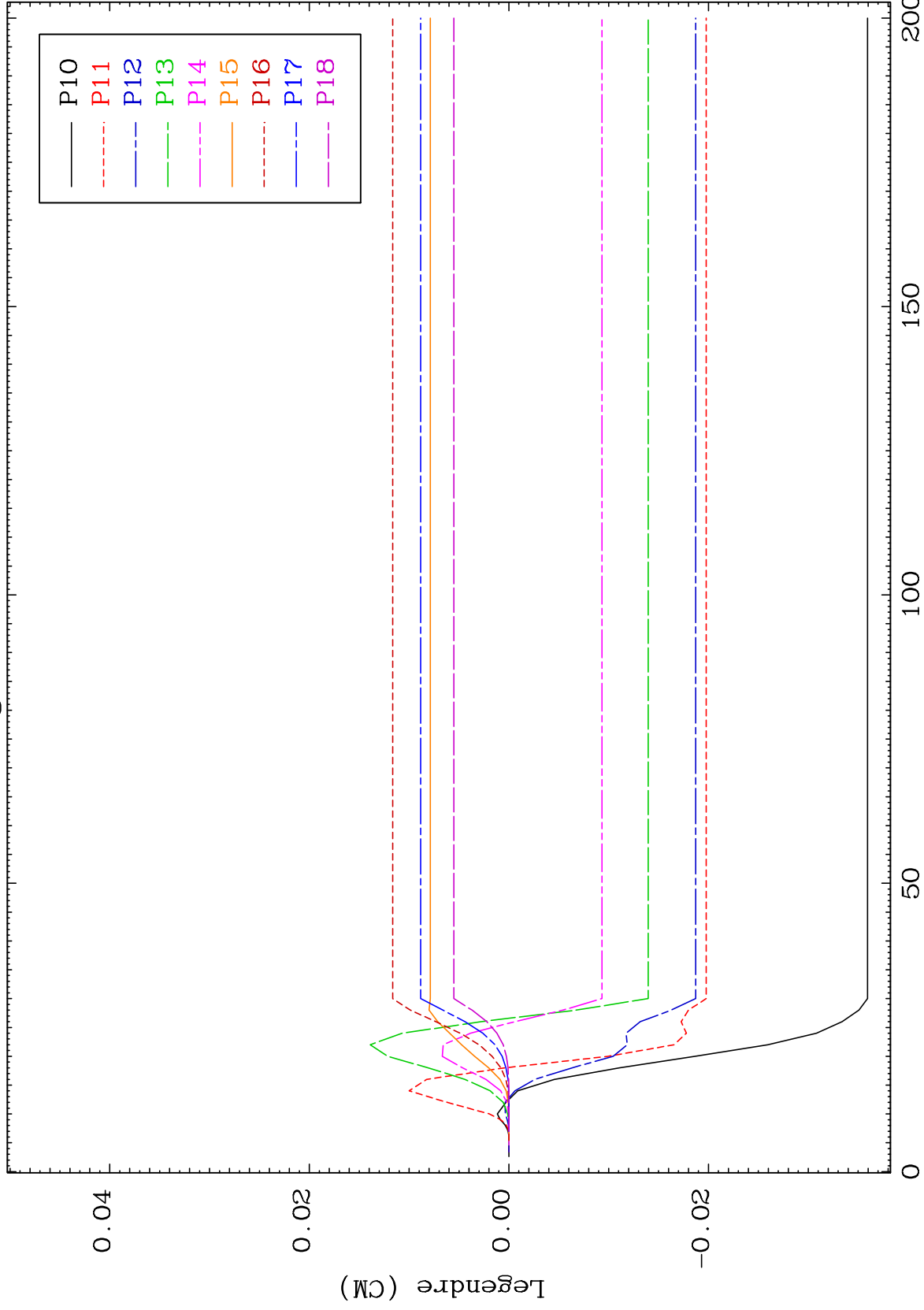
41-Nb-89



MAT 4113

1.694 MeV (n,n') Level
Legendre Coefficients

41-Nb-89



60

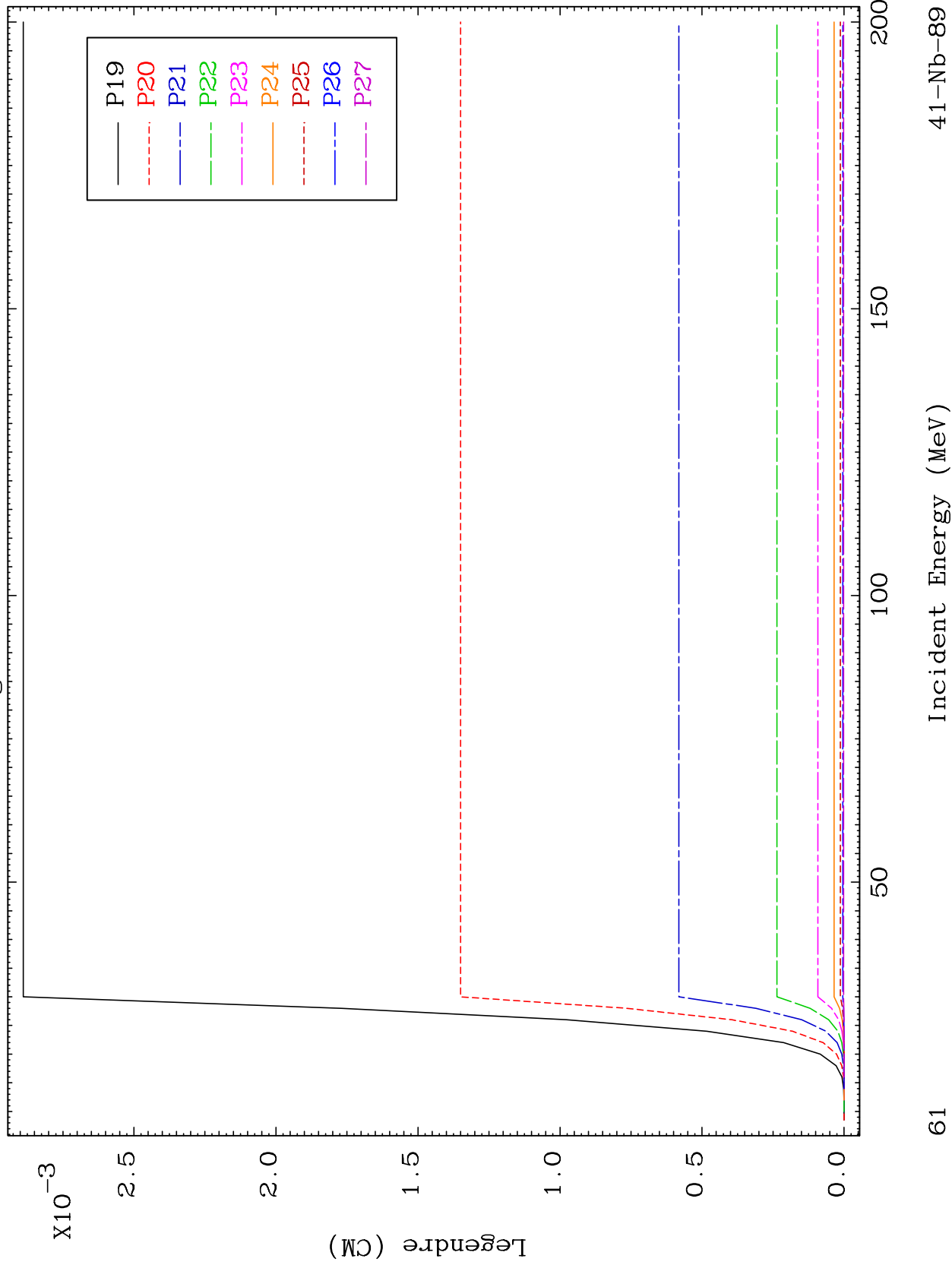
Incident Energy (MeV)

41-Nb-89

MAT 4113

1.694 MeV (n,n') Level
Legendre Coefficients

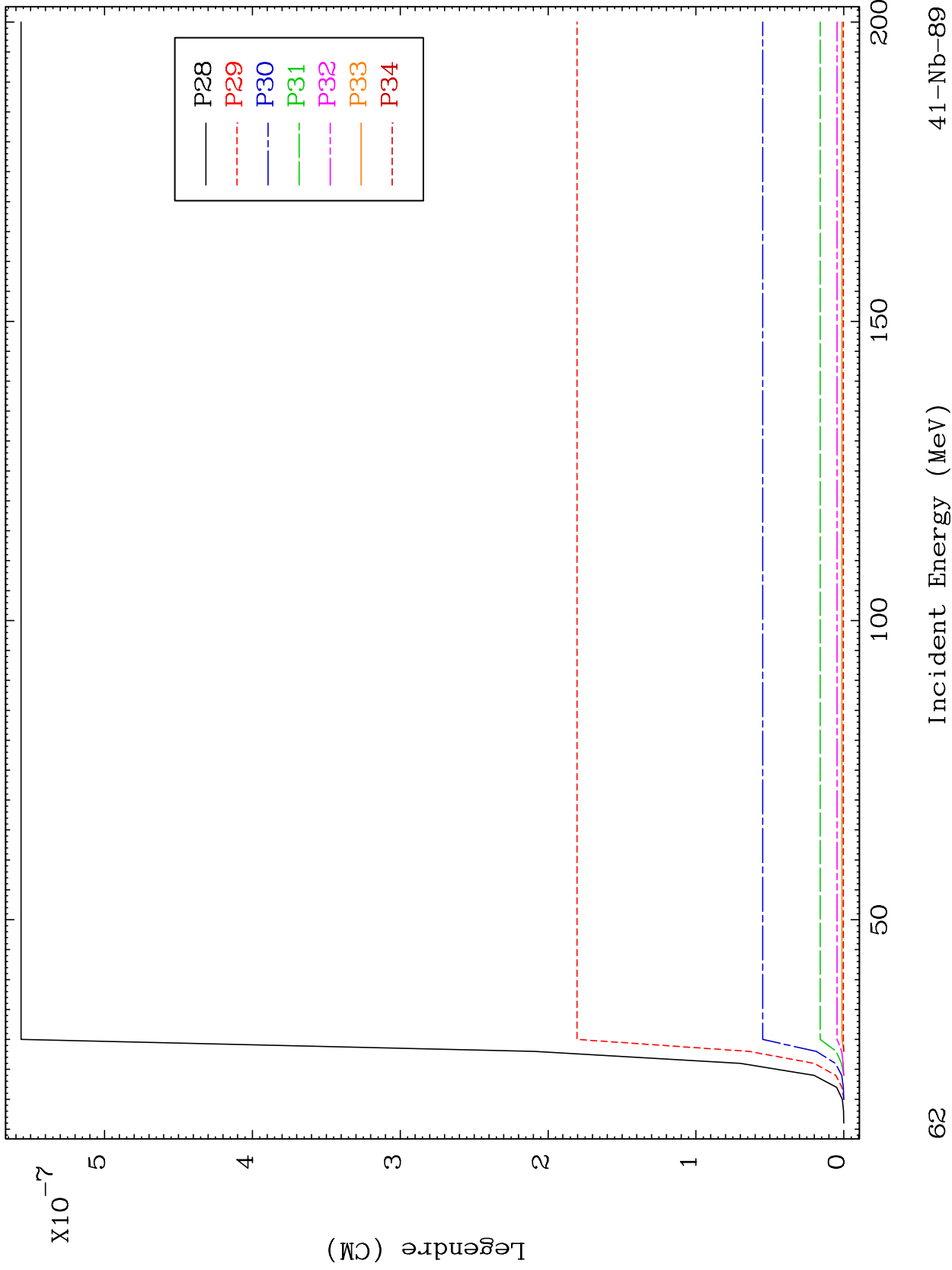
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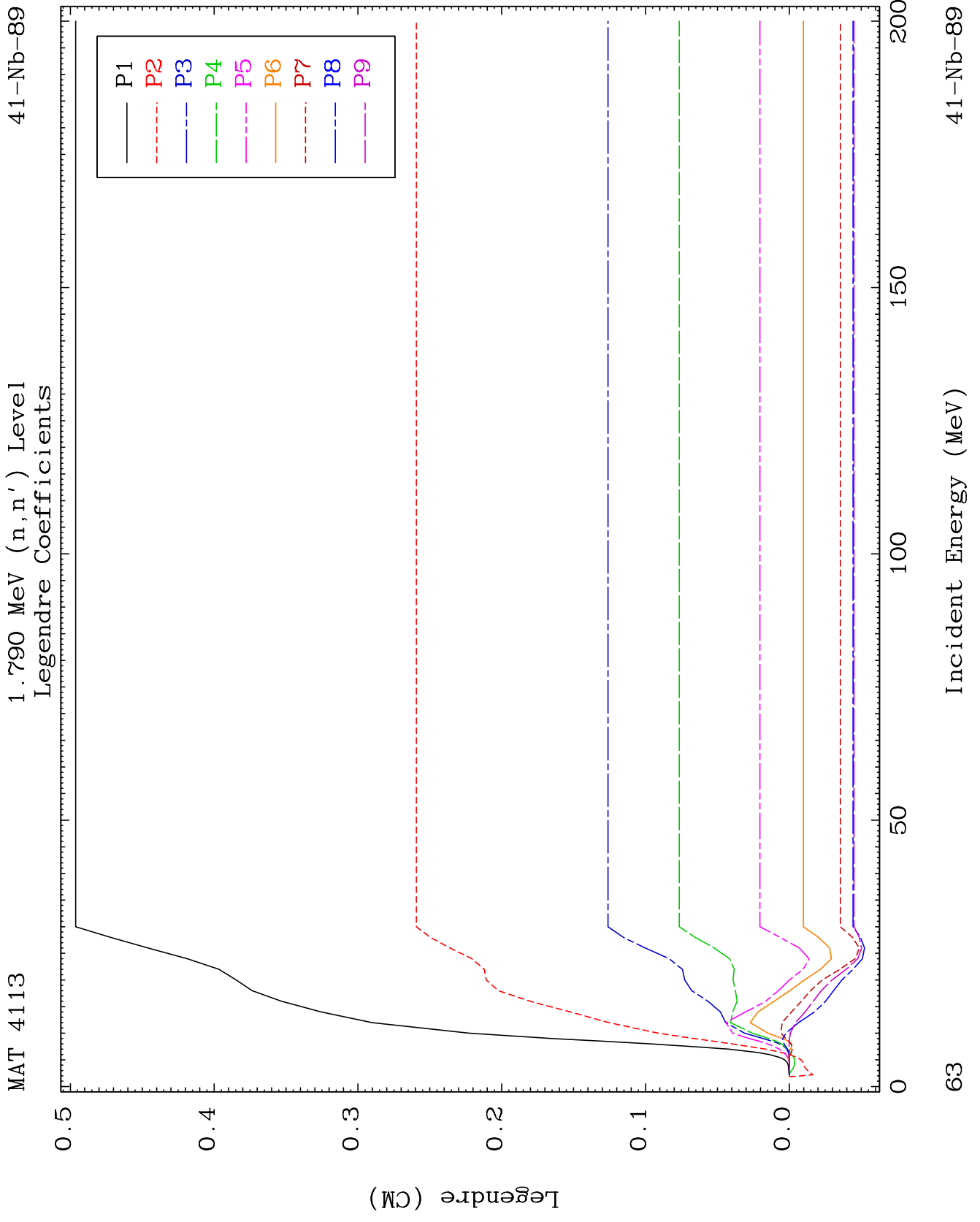


MAT 4113

1.694 MeV (n,n') Level
Legendre Coefficients

41-Nb-89

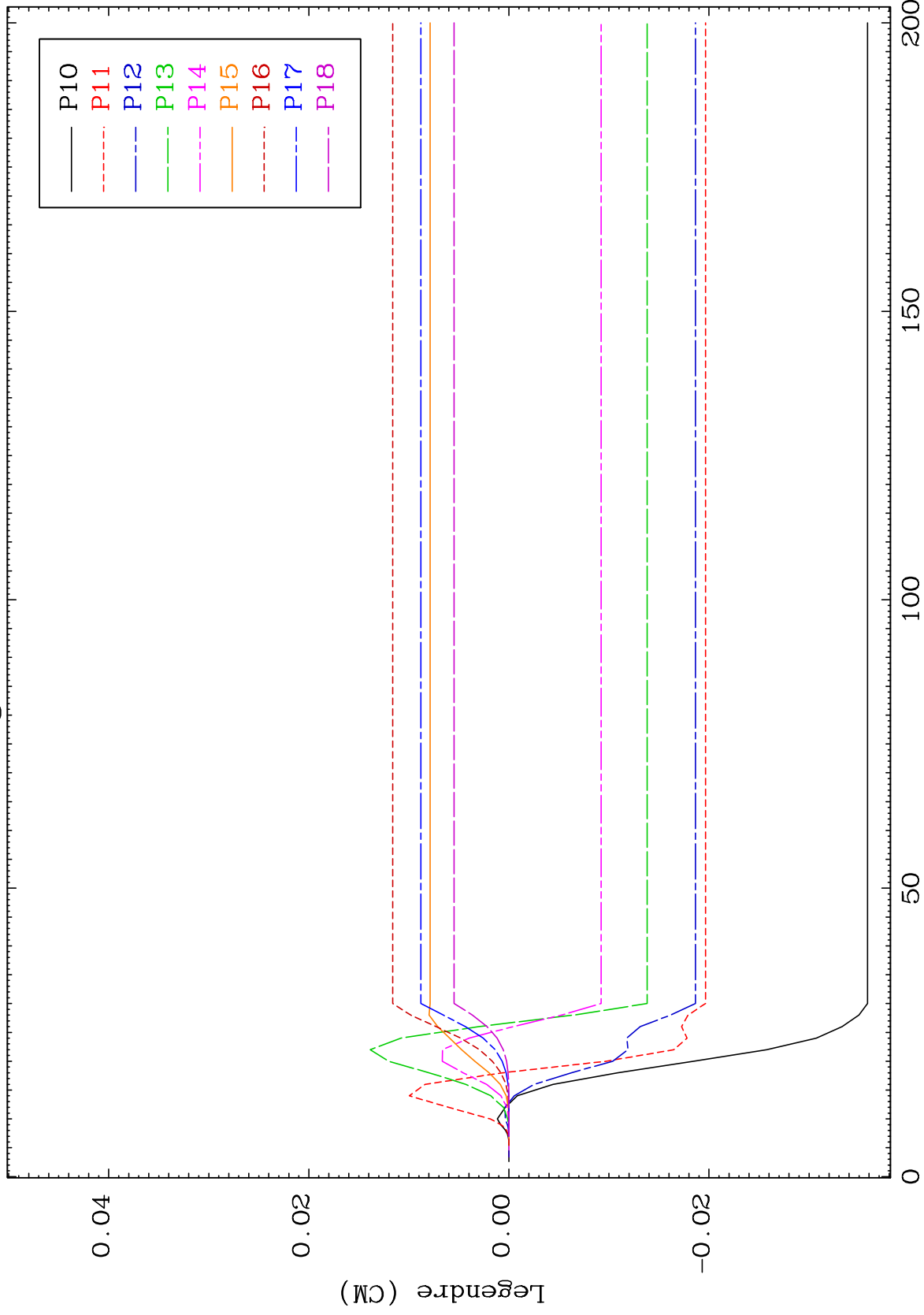




MAT 4113

1.790 MeV (n,n') Level
Legendre Coefficients

41-Nb-89



64

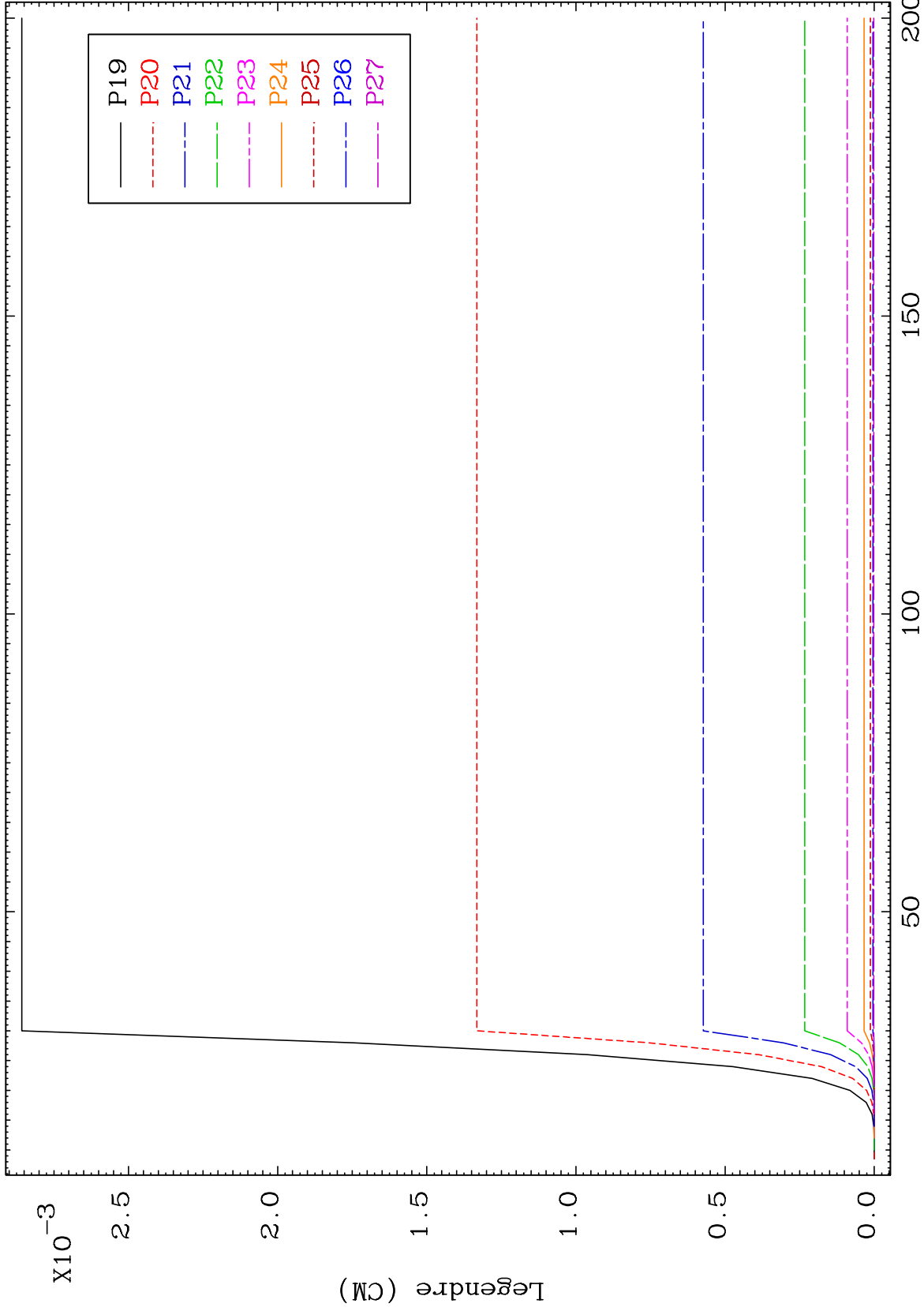
Incident Energy (MeV)

41-Nb-89

MAT 4113

1.790 MeV (n,n') Level
Legendre Coefficients

41-Nb-89



65

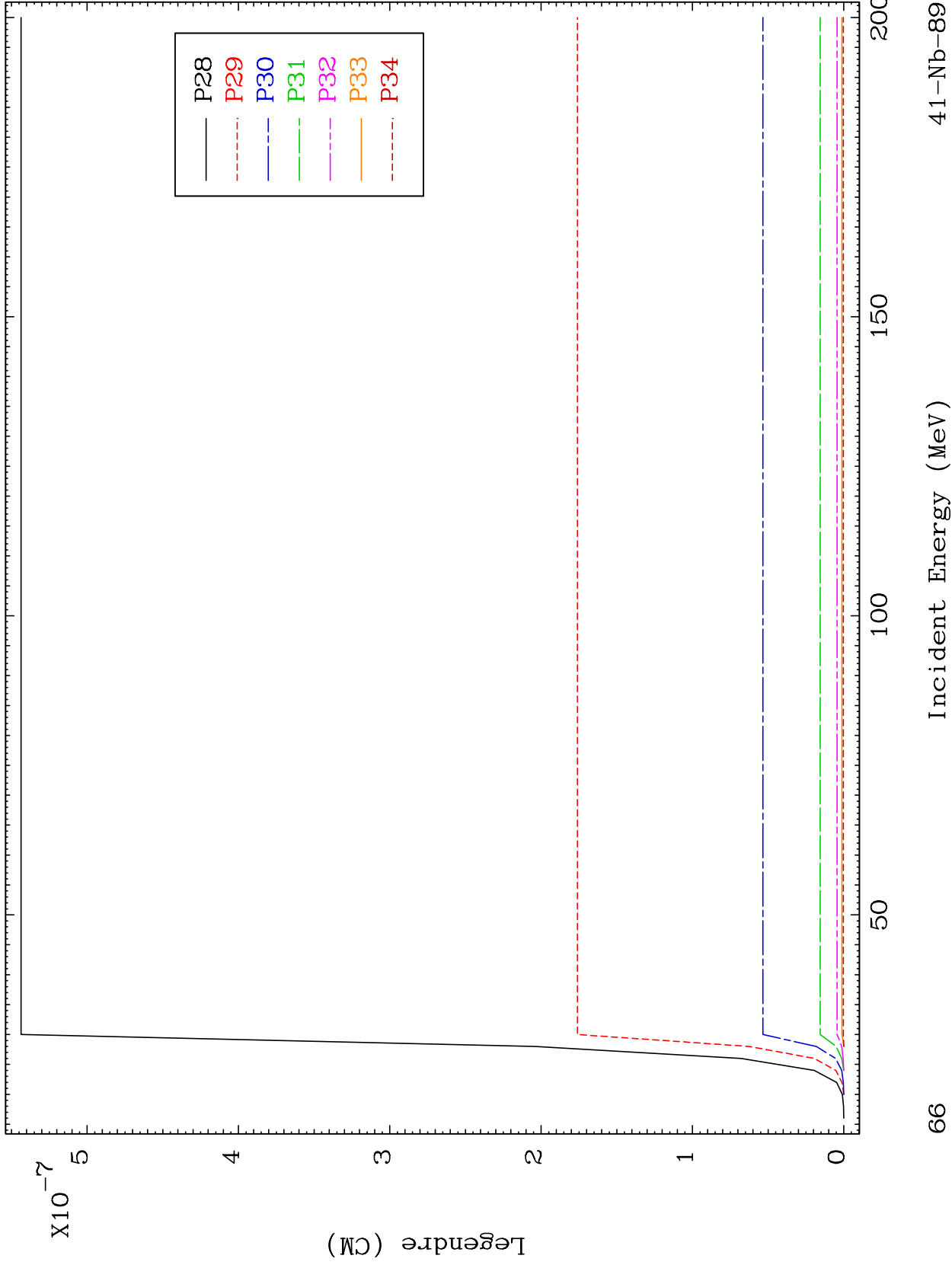
Incident Energy (MeV)

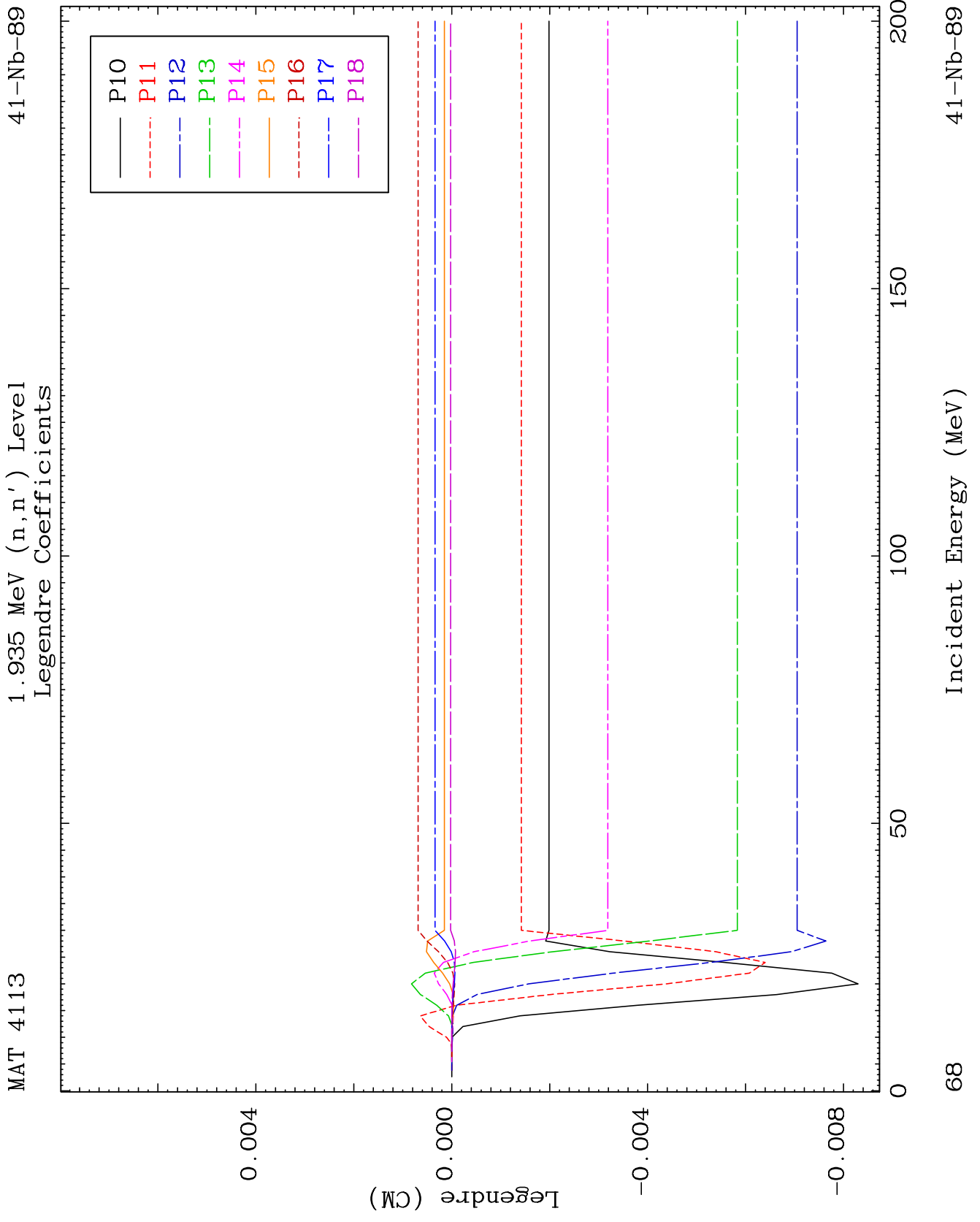
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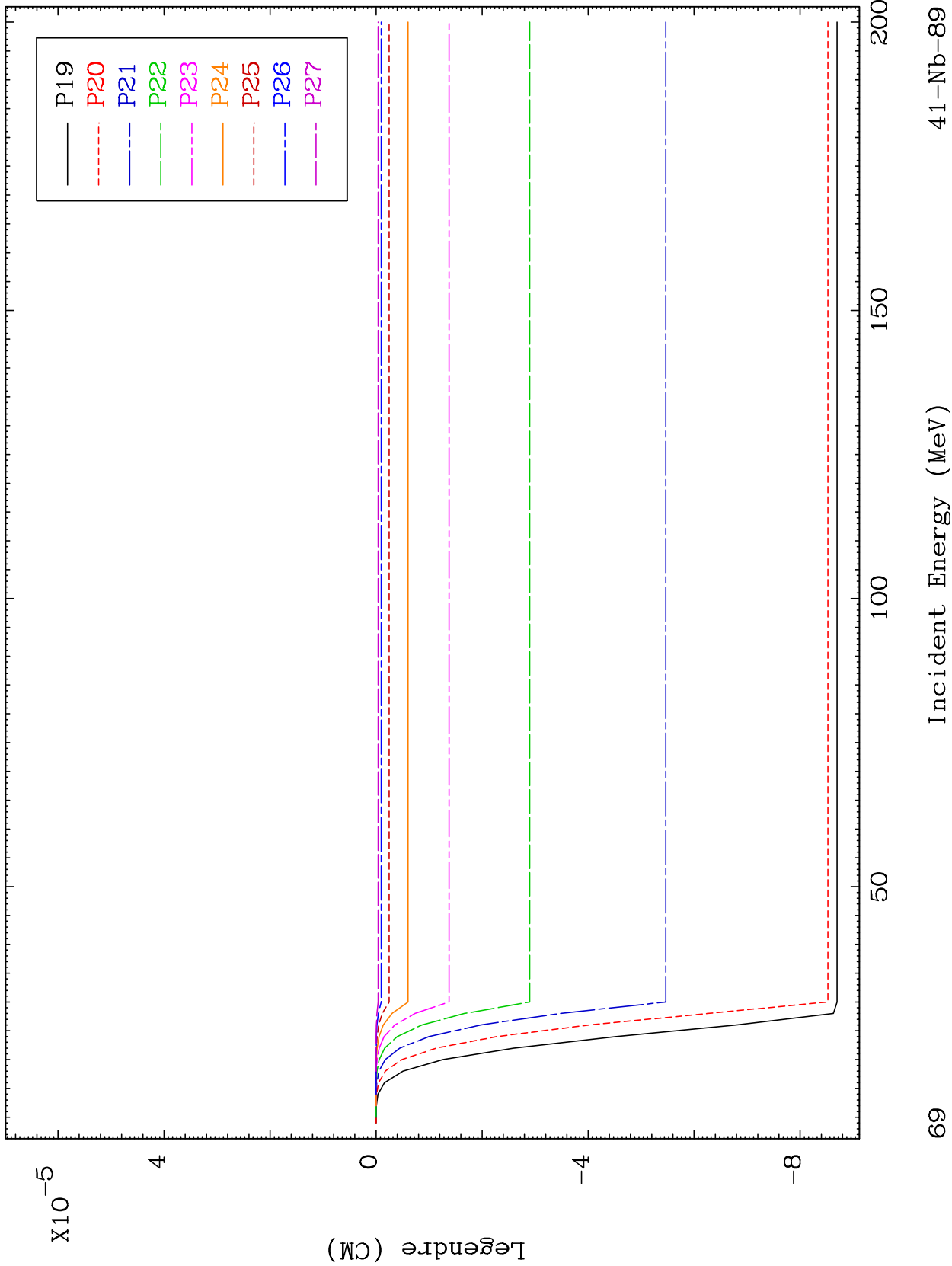
MAT 4113

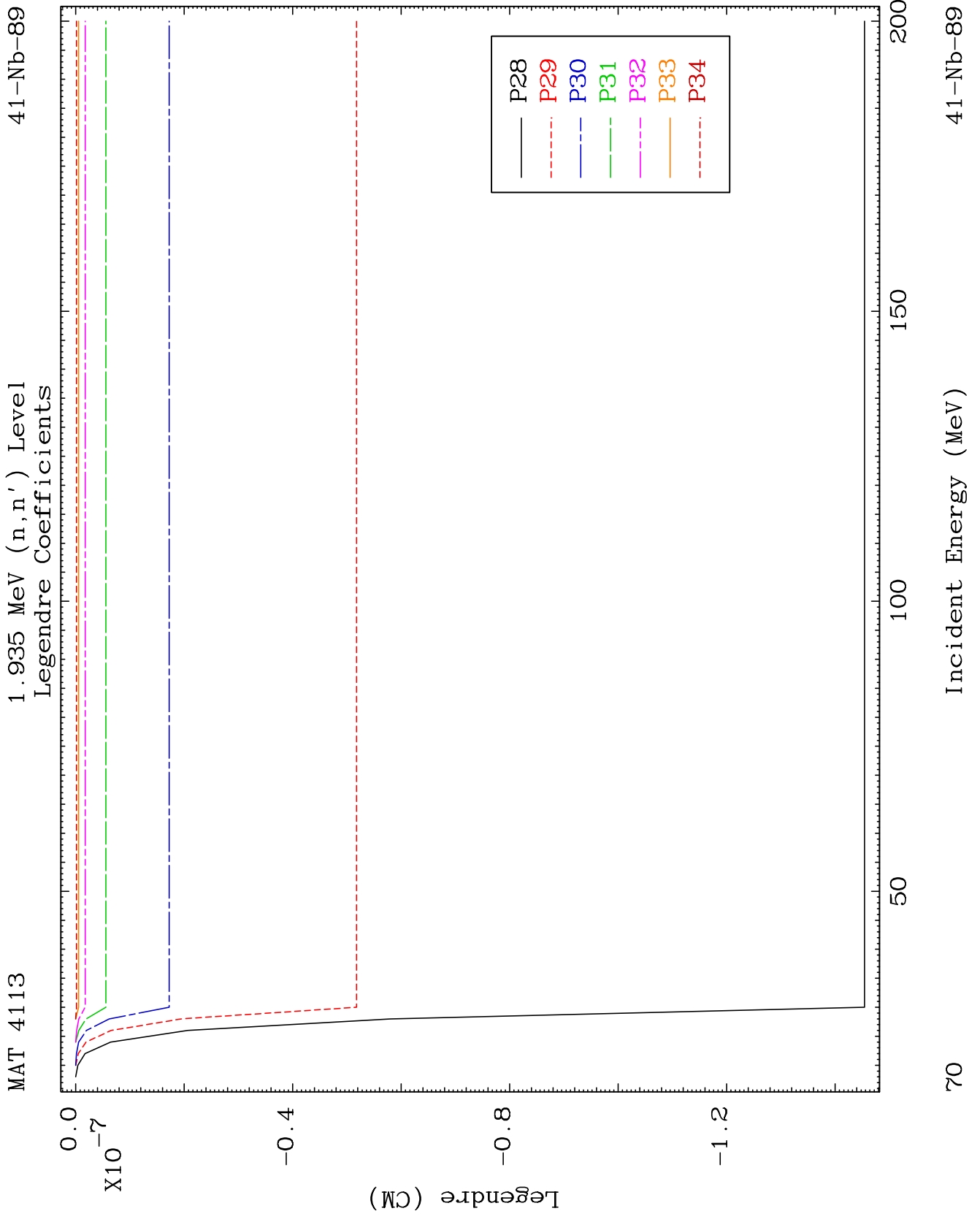
1.790 MeV (n,n') Level
Legendre Coefficients

41-Nb-89





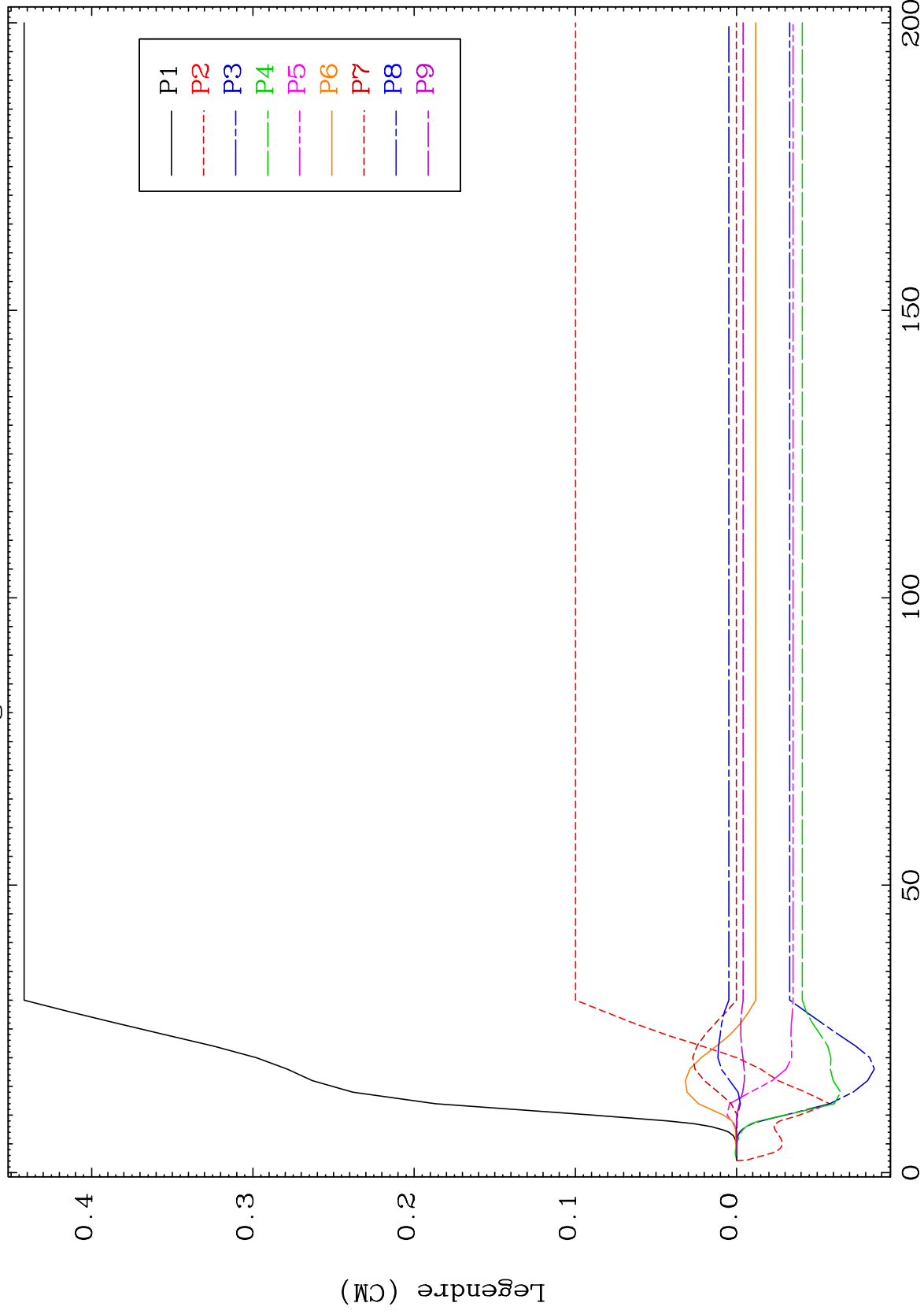




MAT 4113

2.050 MeV (n,n') Level
Legendre Coefficients

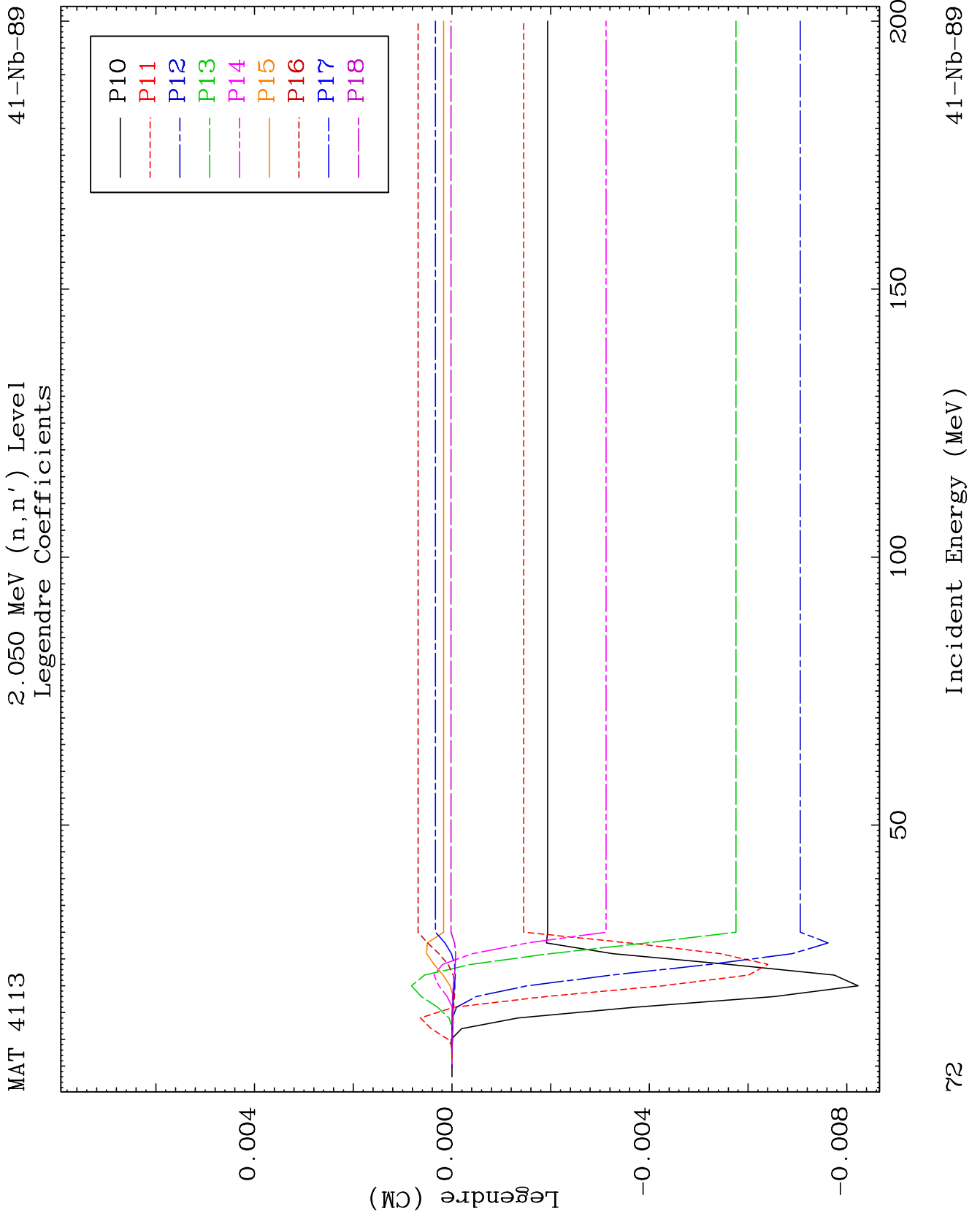
41-Nb-89



71

Incident Energy (MeV)

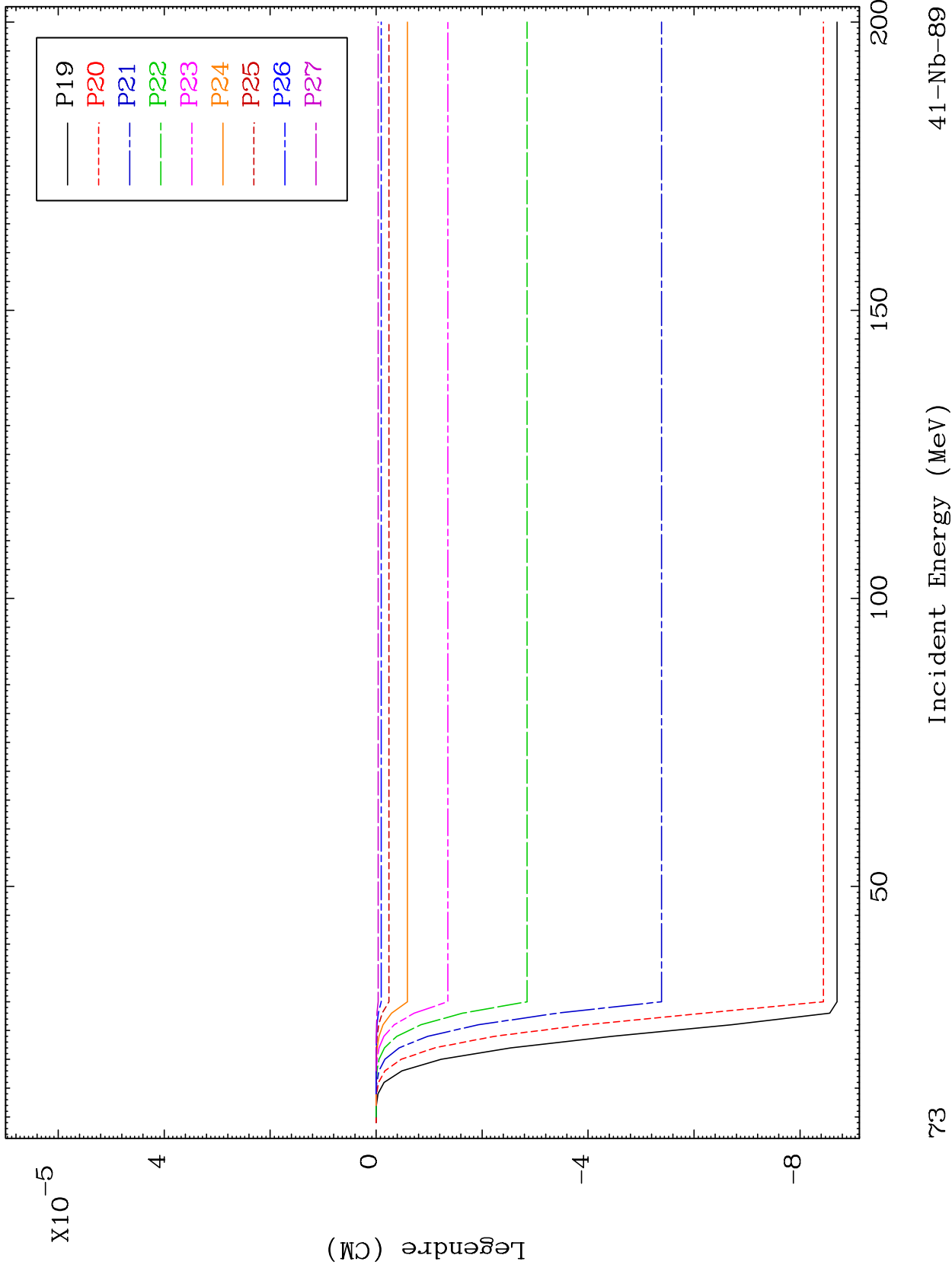
41-Nb-89



MAT 4113

2.050 MeV (n,n') Level
Legendre Coefficients

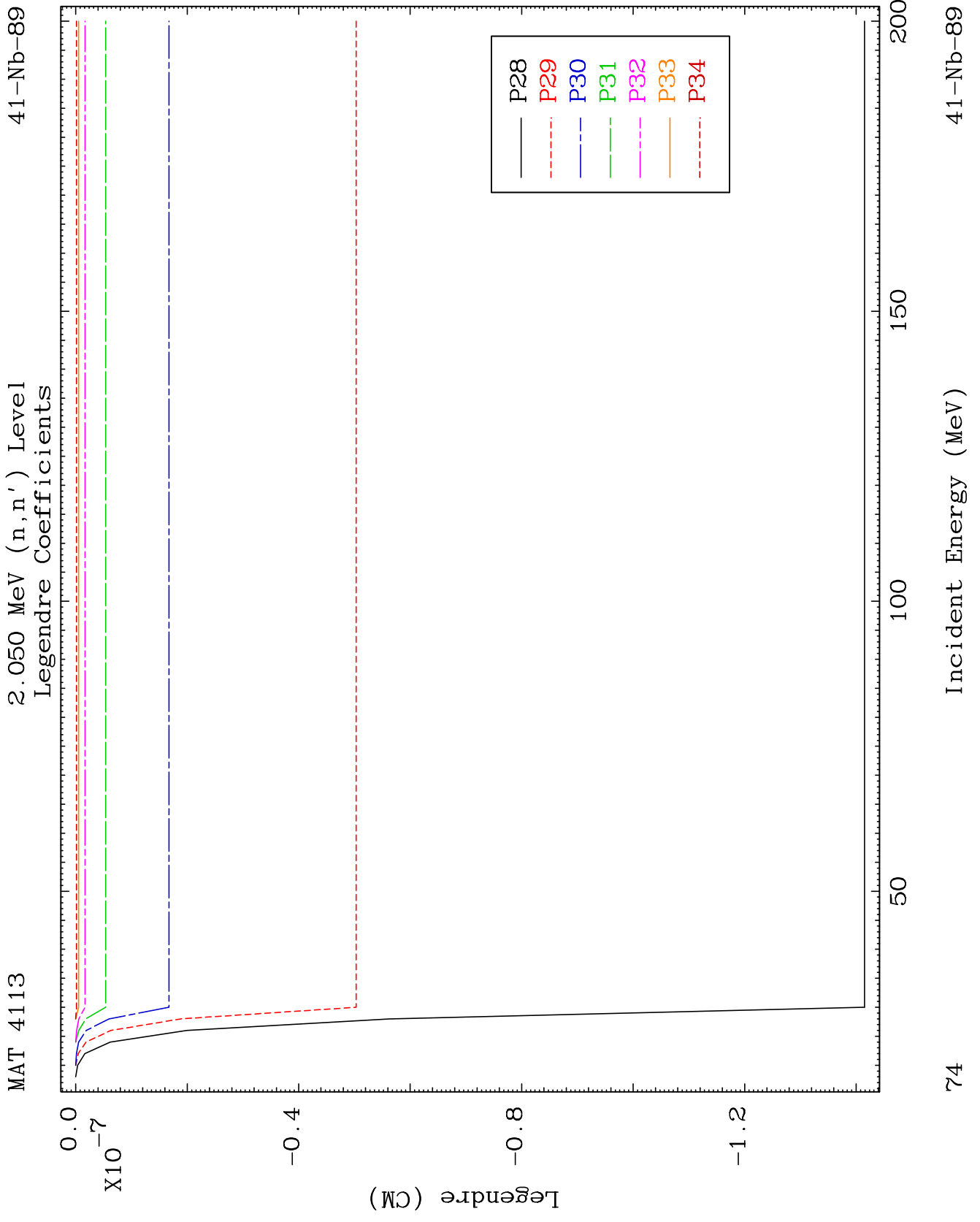
41-Nb-89



73

Incident Energy (MeV)

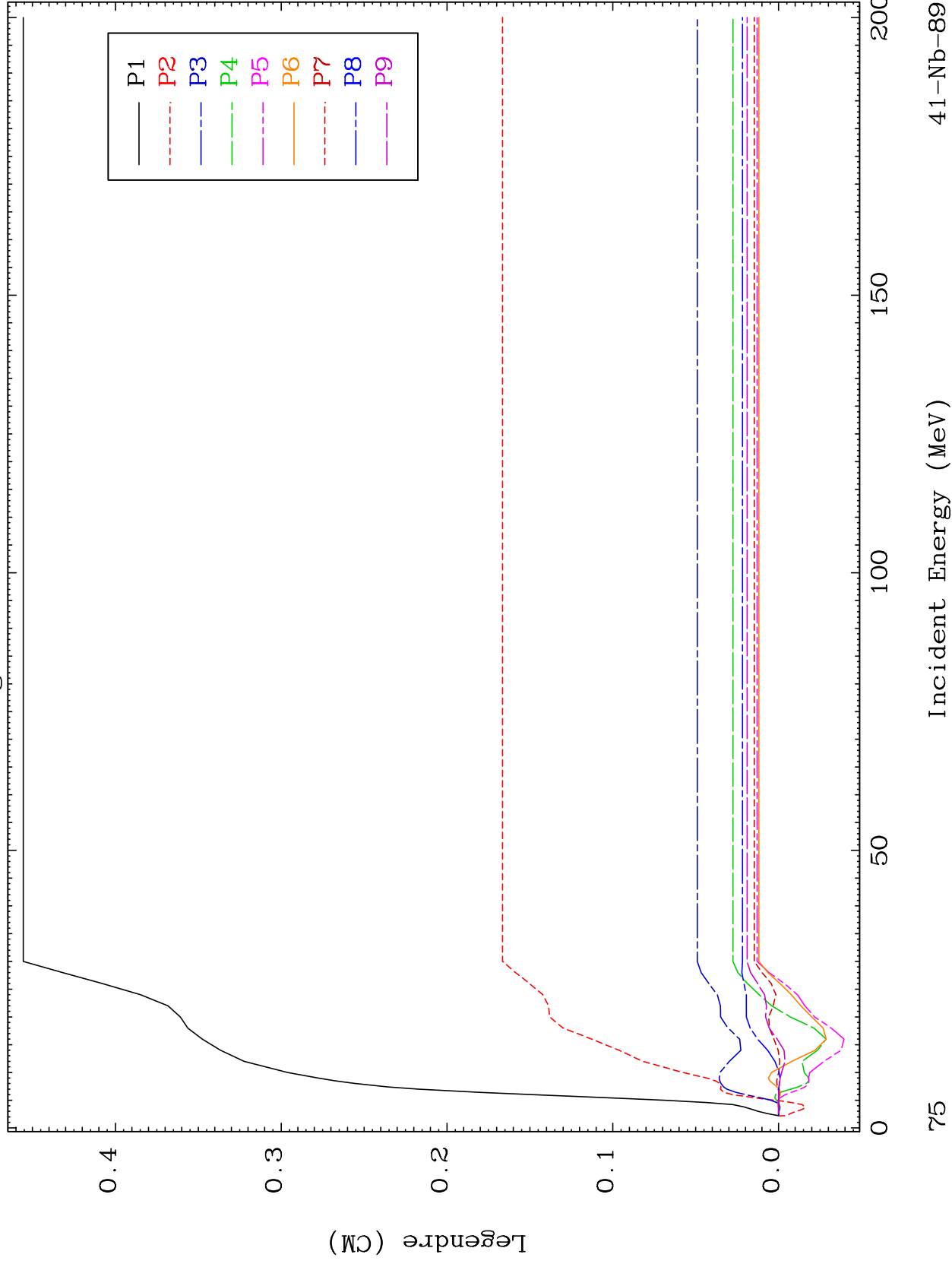
41-Nb-89



MAT 4113

2.136 MeV (n,n') Level
Legendre Coefficients

41-Nb-89



41-Nb-89

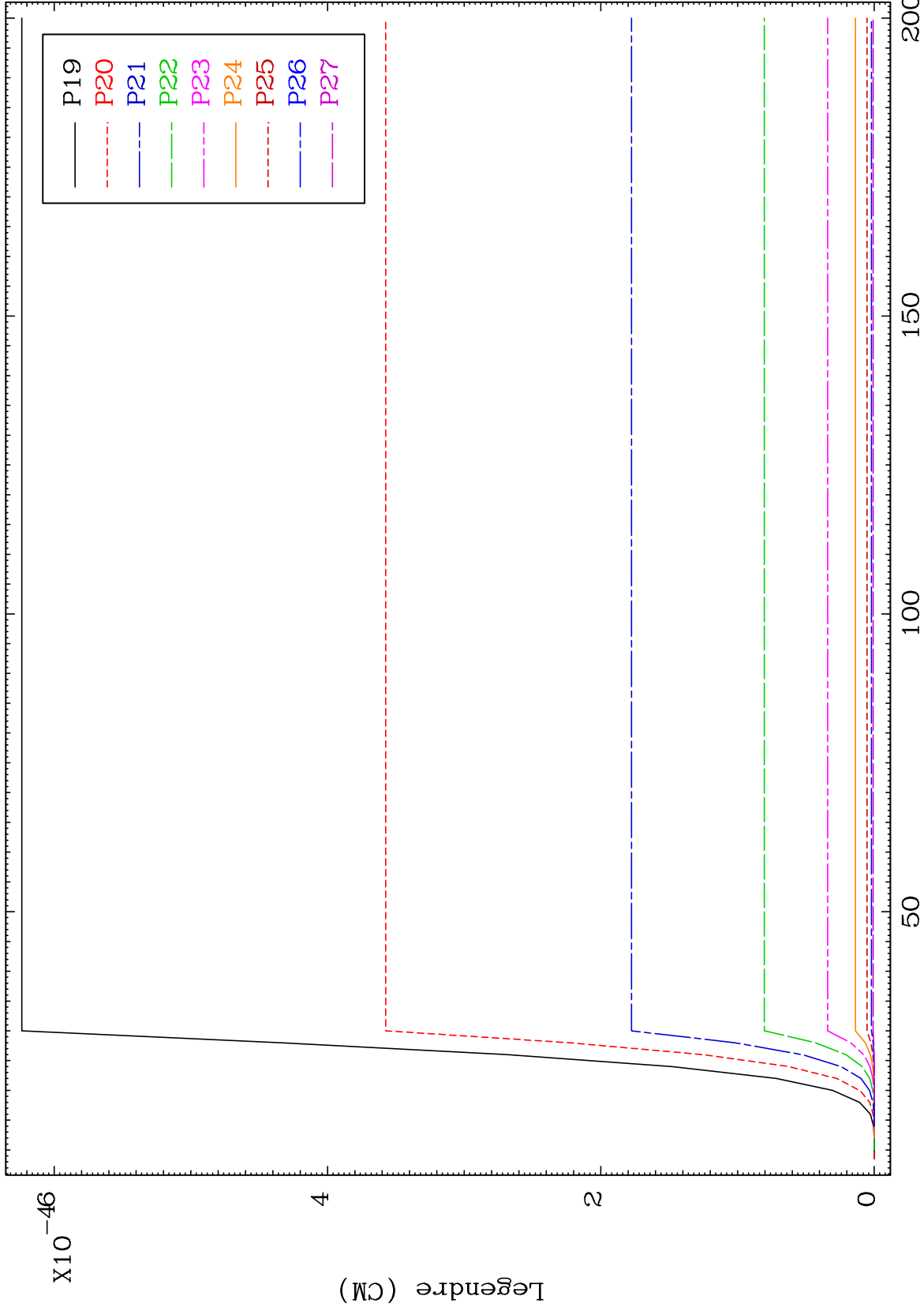
Incident Energy (MeV)

75

MAT 4113

2.136 MeV (n,n') Level
Legendre Coefficients

41-Nb-89



77

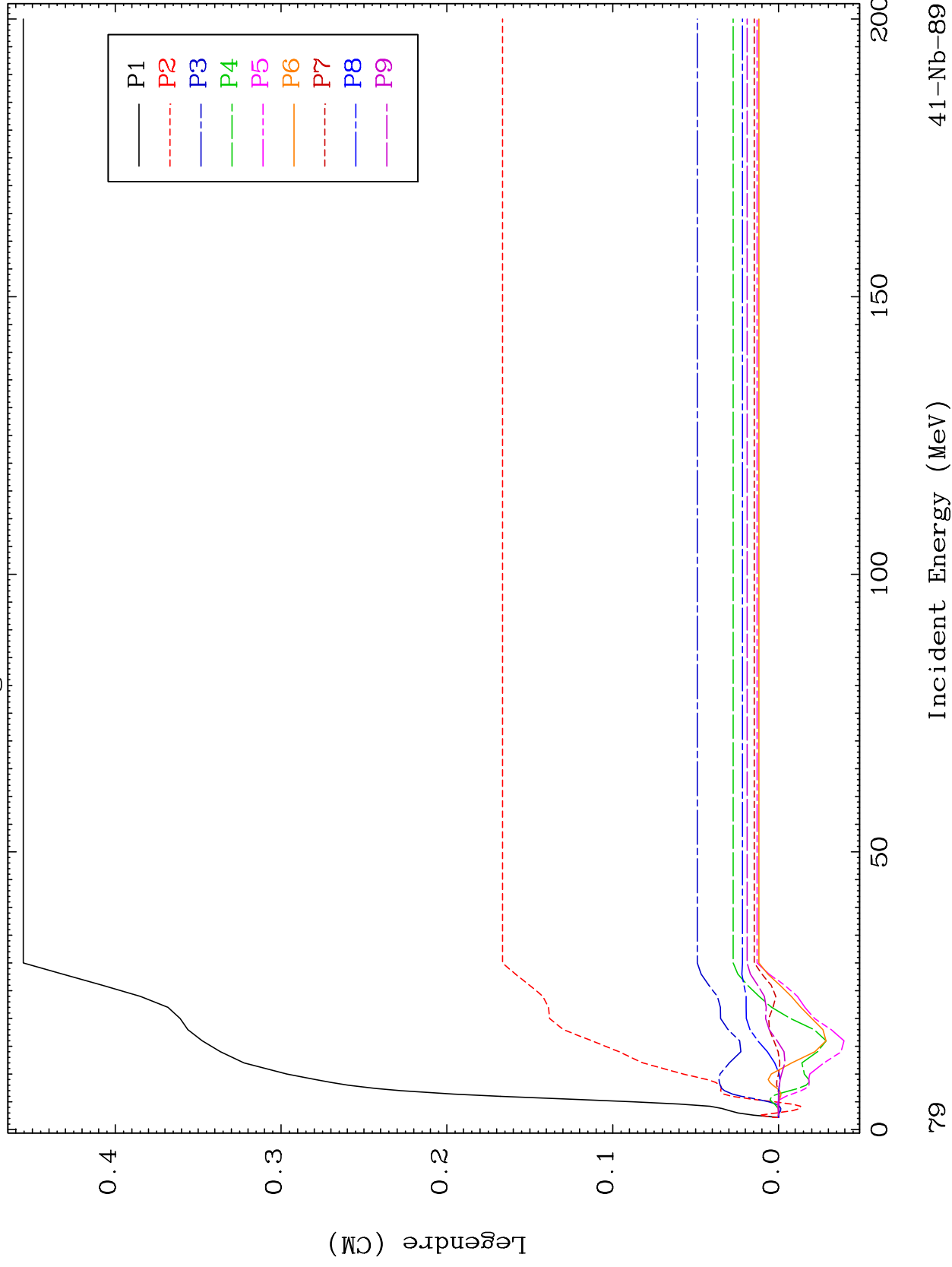
Incident Energy (MeV)

41-Nb-89

MAT 4113

2.152 MeV (n,n') Level
Legendre Coefficients

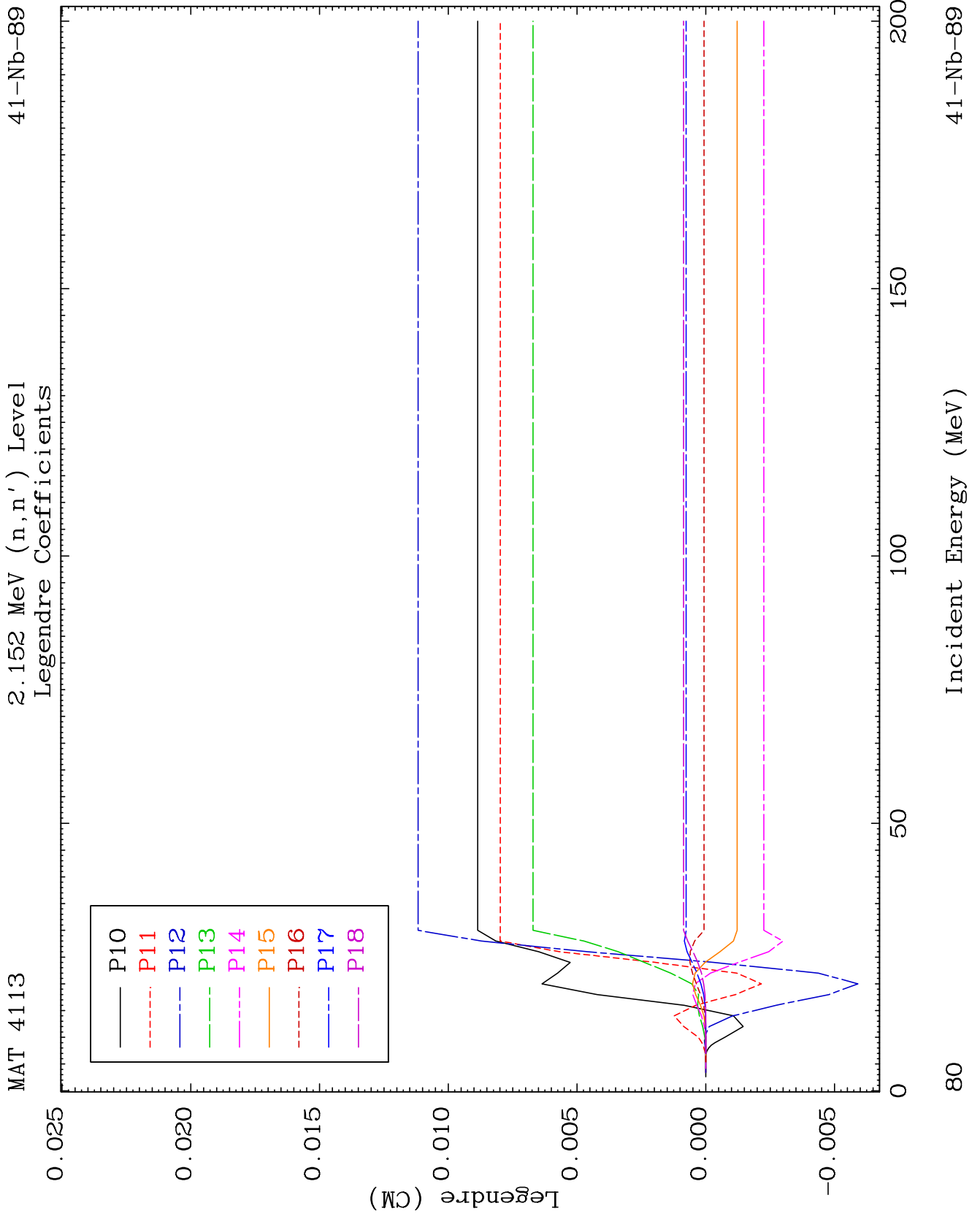
41-Nb-89



41-Nb-89

Incident Energy (MeV)

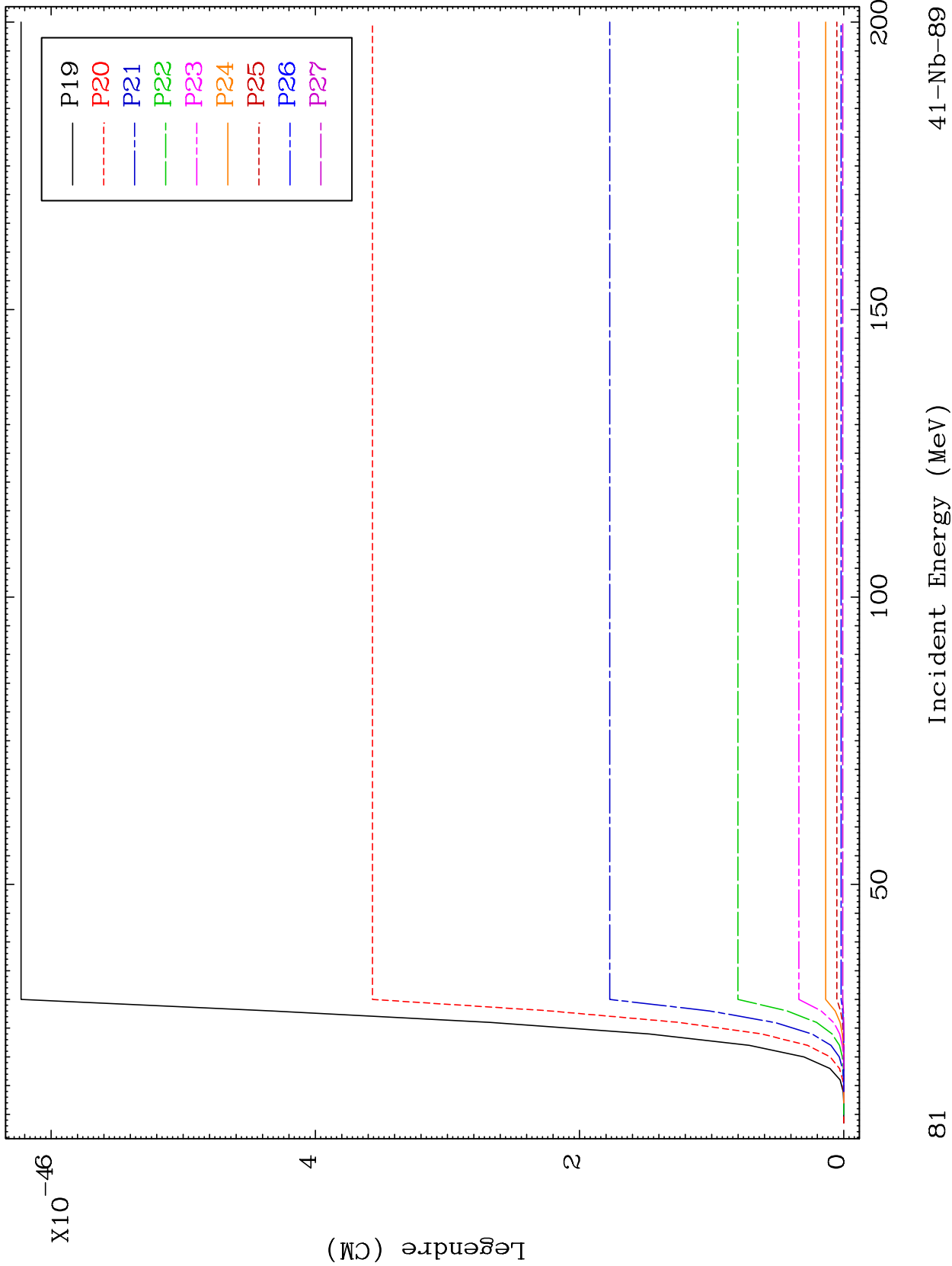
79



MAT 4113

2.152 MeV (n,n') Level
Legendre Coefficients

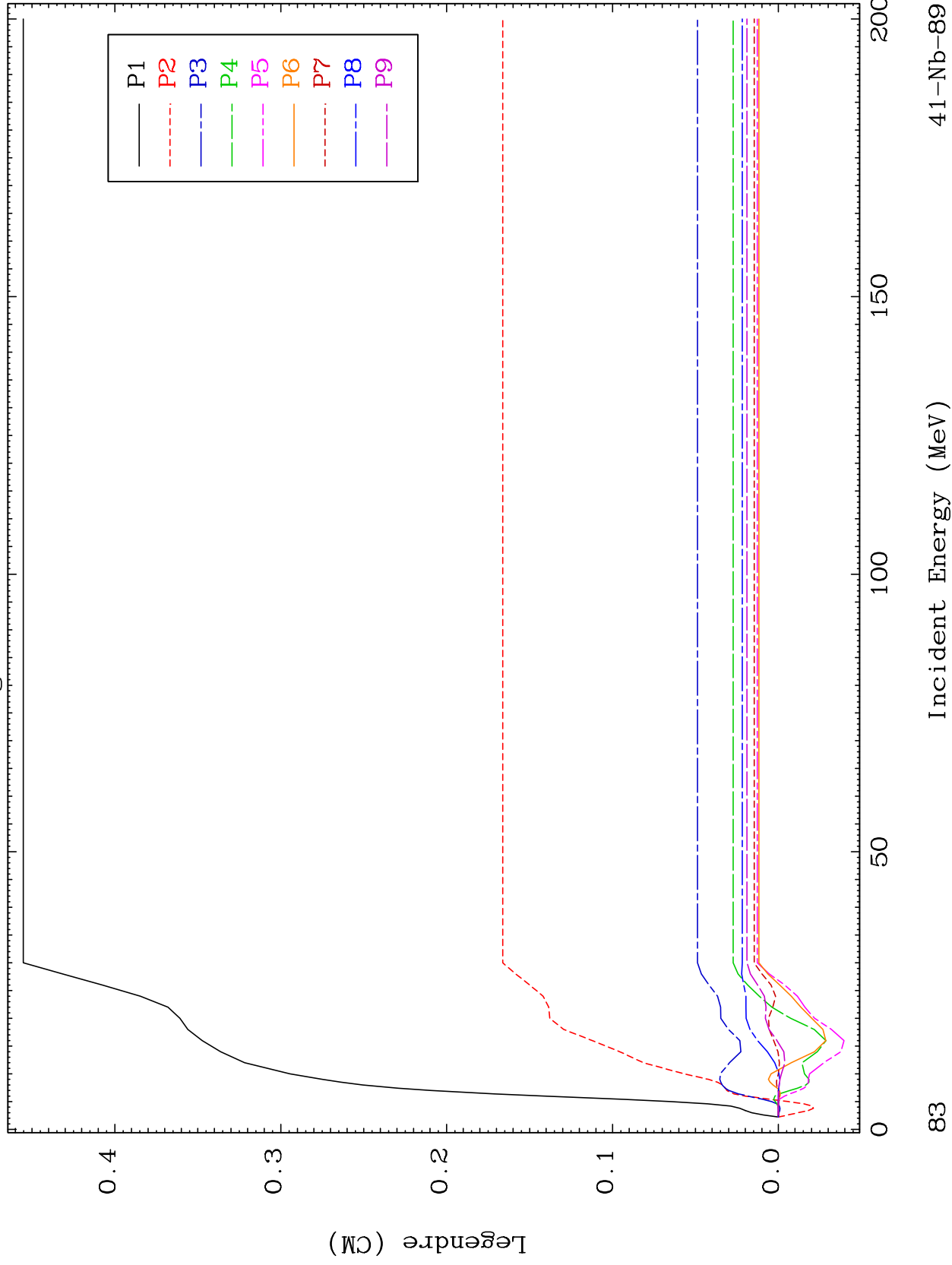
41-Nb-89



MAT 4113

2.191 MeV (n,n') Level
Legendre Coefficients

41-Nb-89



83

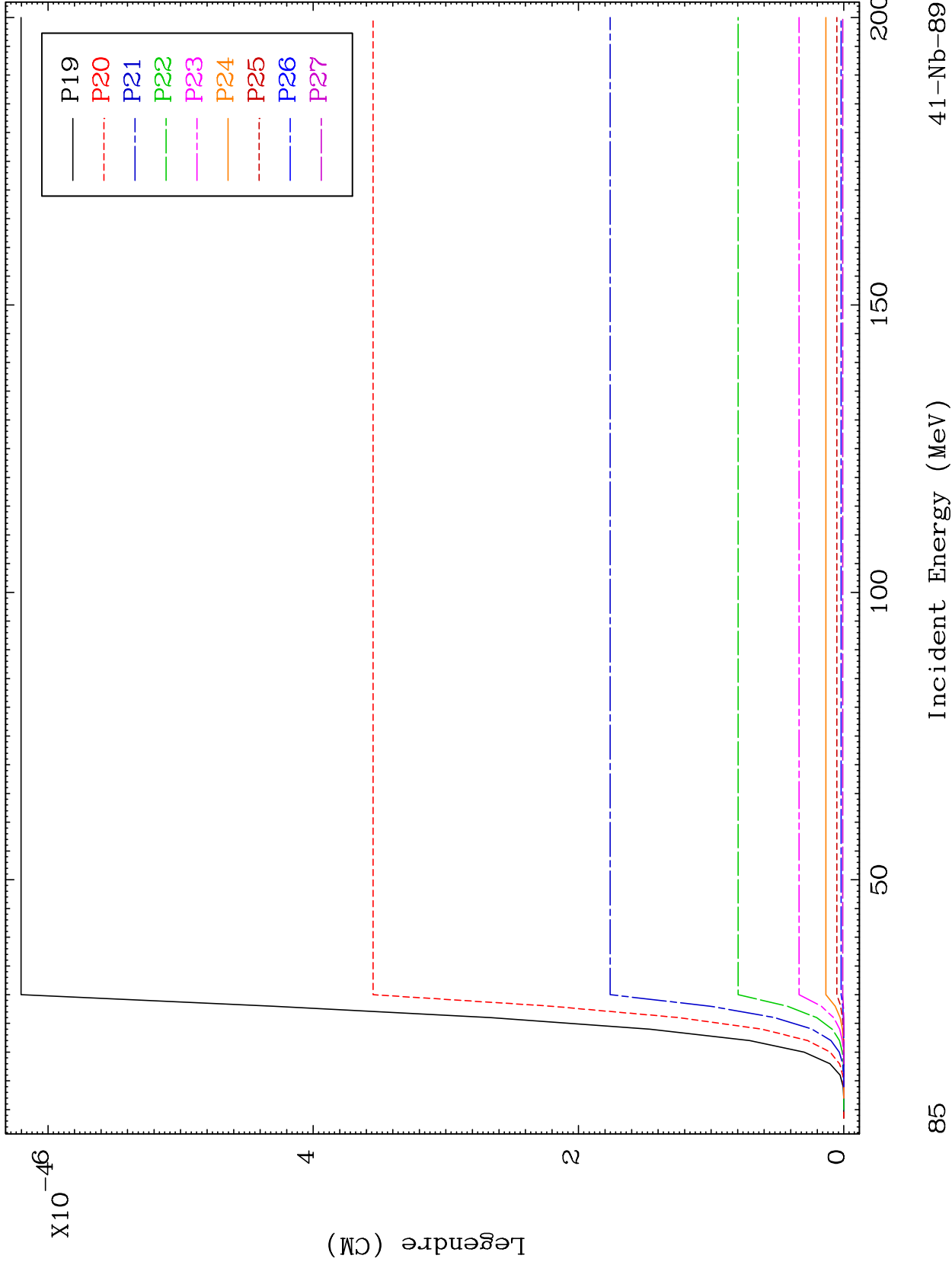
Incident Energy (MeV)

41-Nb-89

MAT 4113

2.191 MeV (n,n') Level
Legendre Coefficients

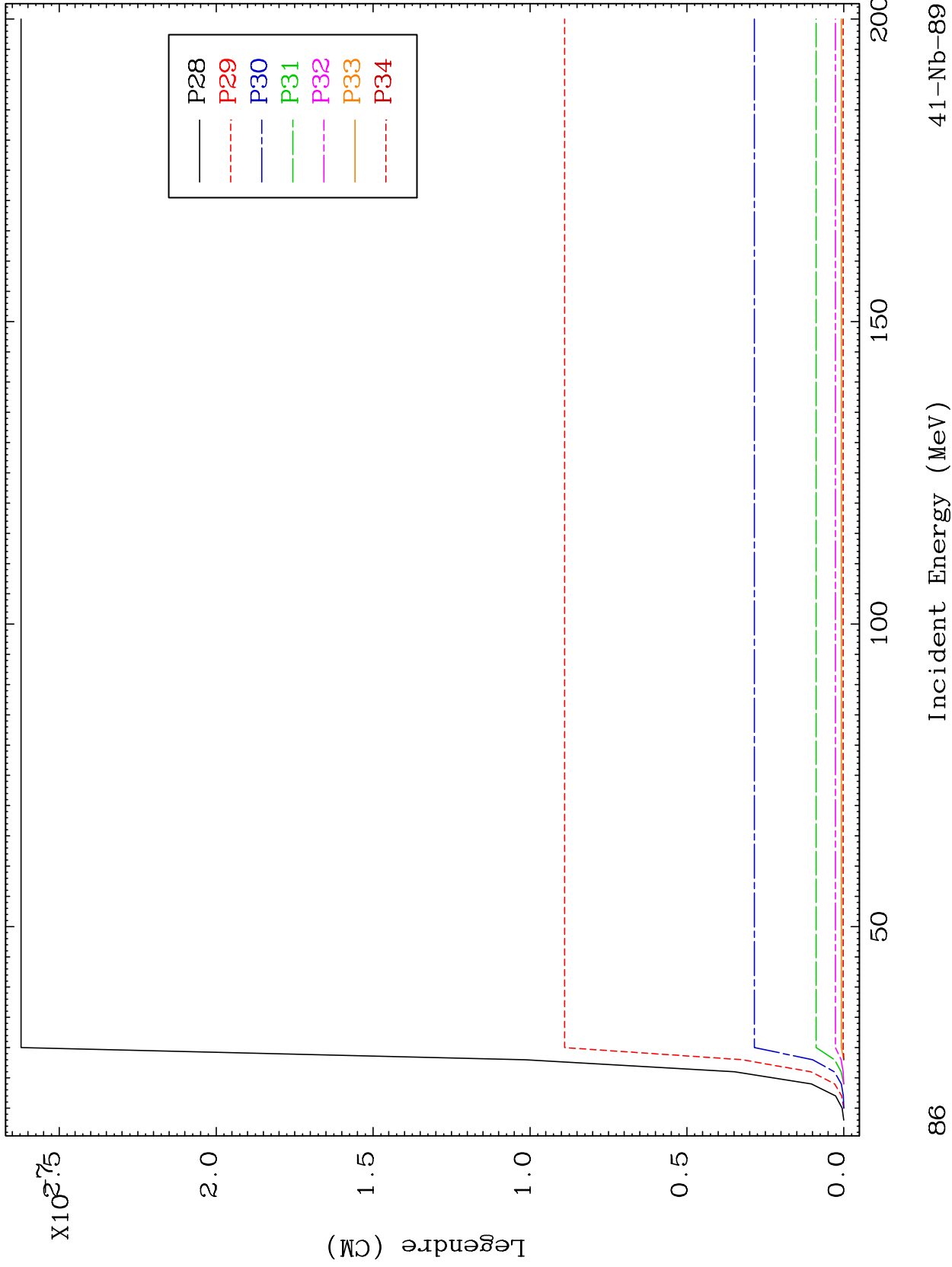
41-Nb-89



85

Incident Energy (MeV)

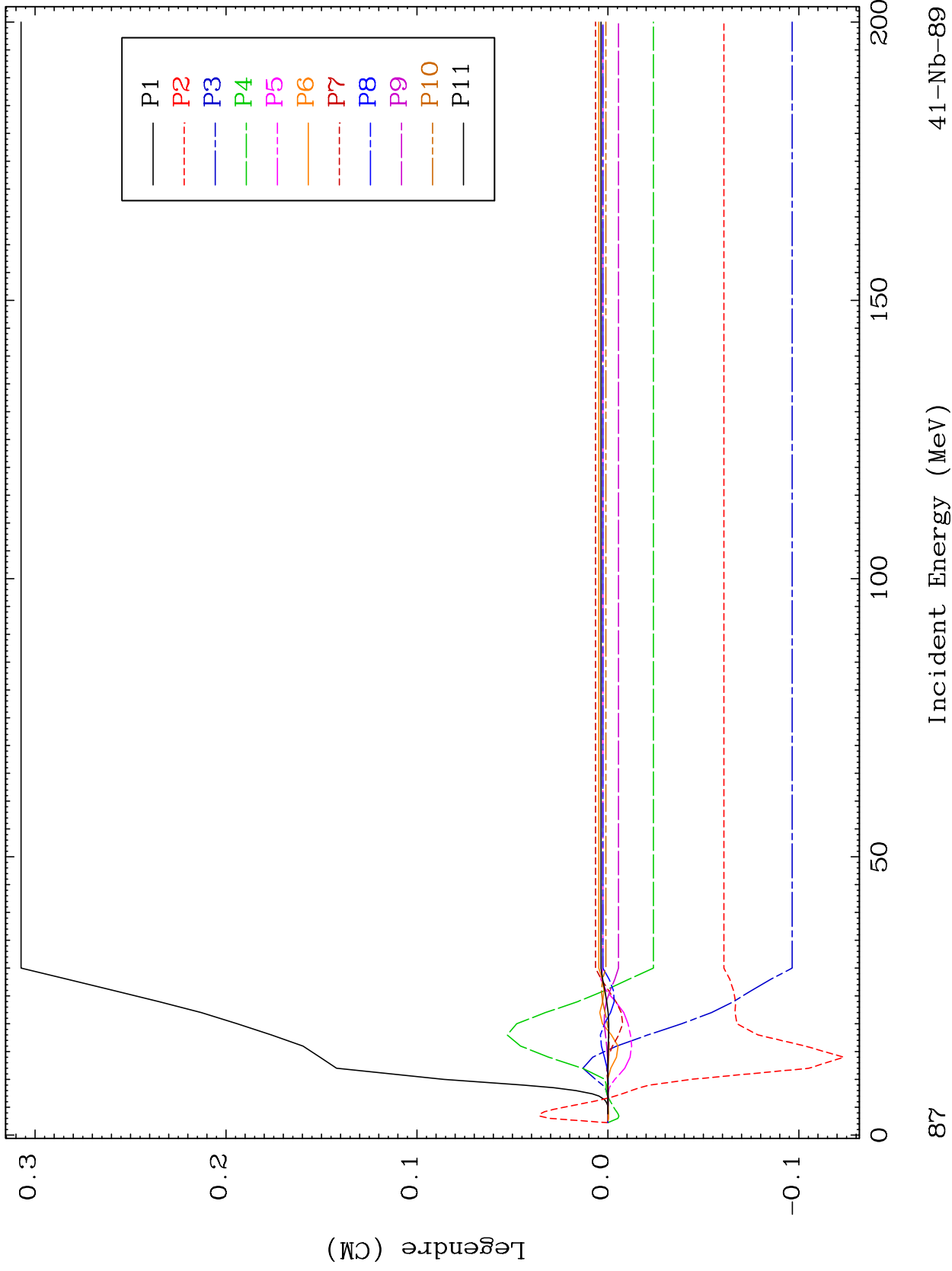
41-Nb-89



MAT 4113

2.193 MeV (n,n') Level
Legendre Coefficients

41-Nb-89



87

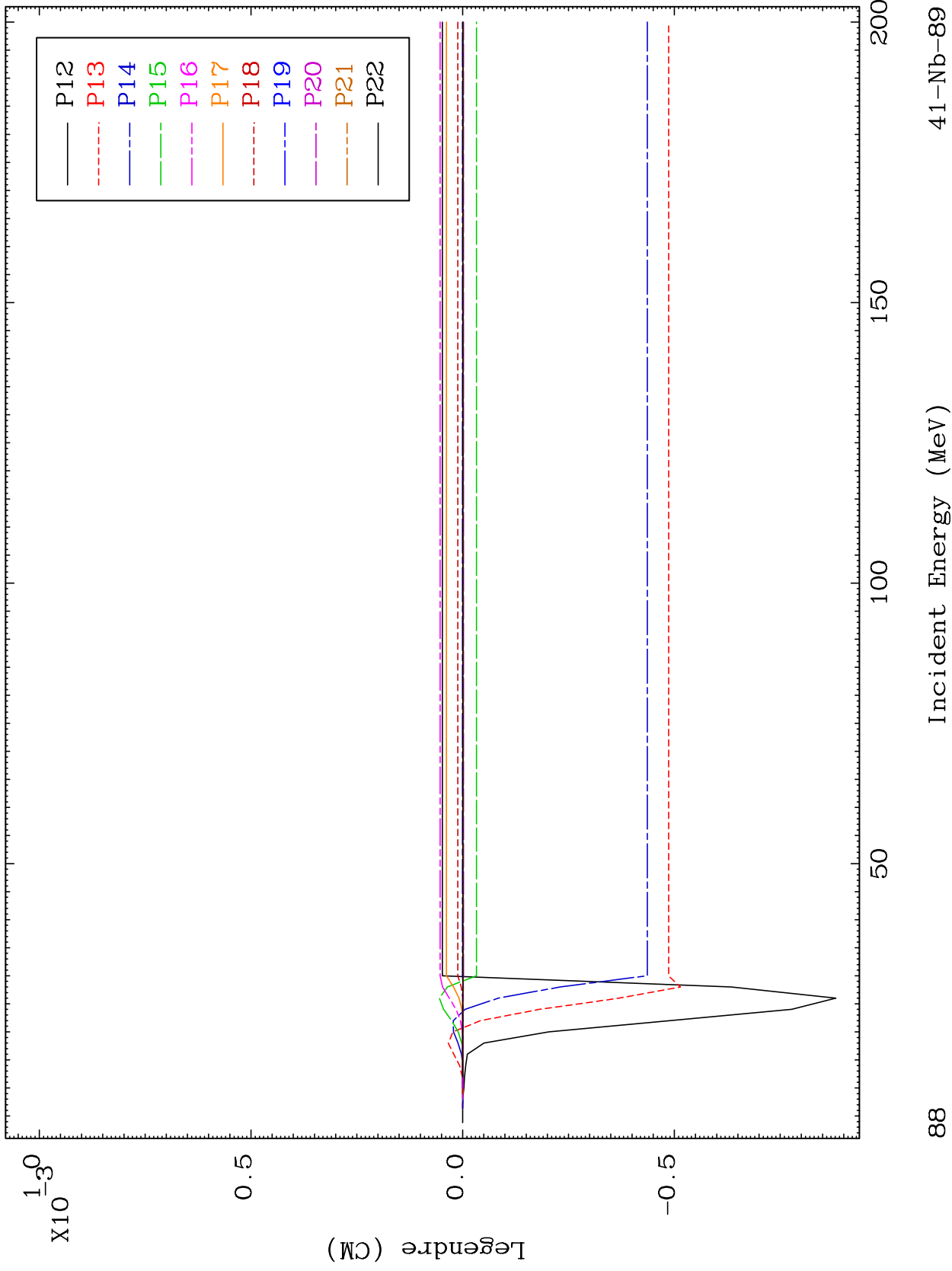
Incident Energy (MeV)

41-Nb-89

MAT 4113

2.193 MeV (n,n') Level
Legendre Coefficients

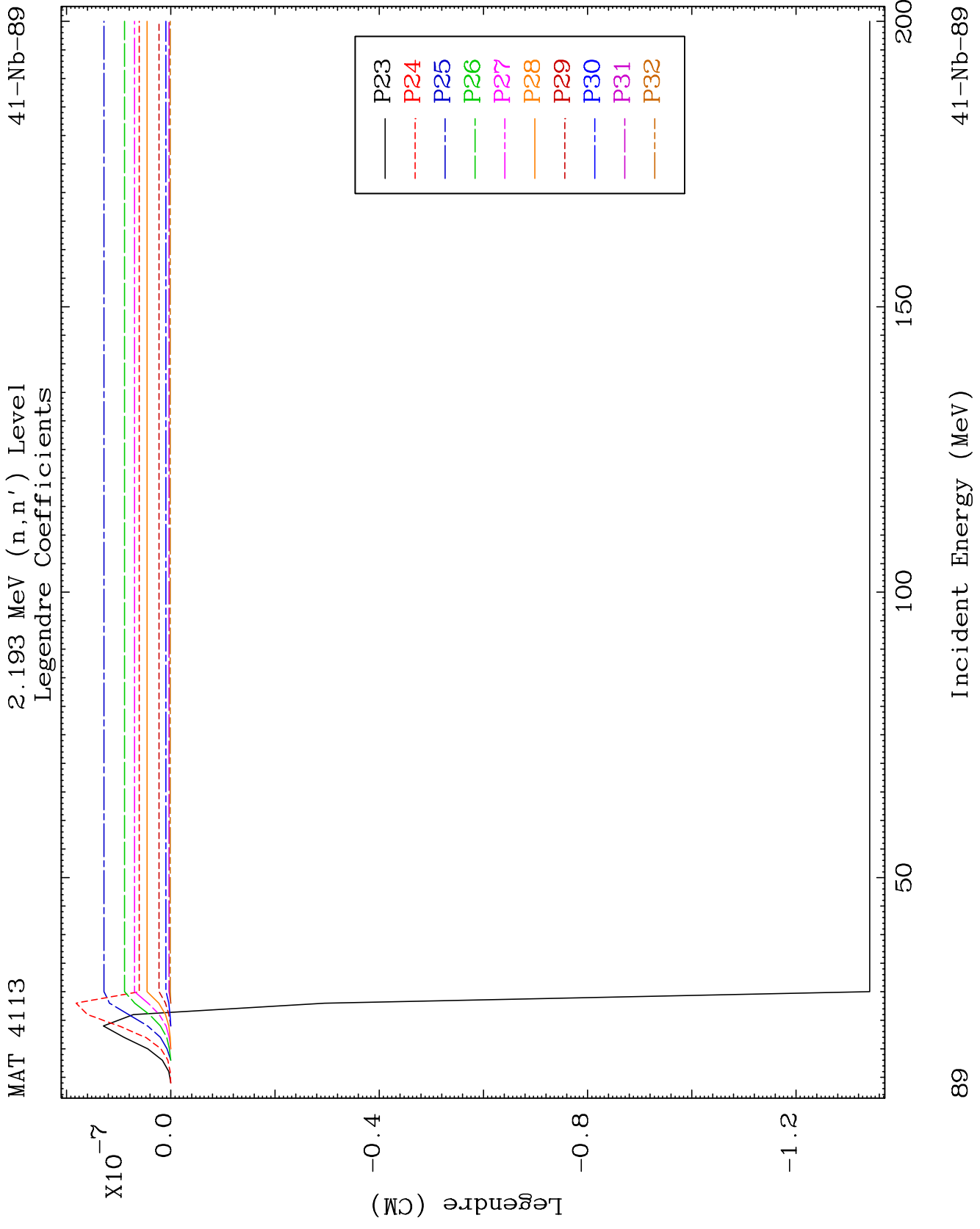
41-Nb-89

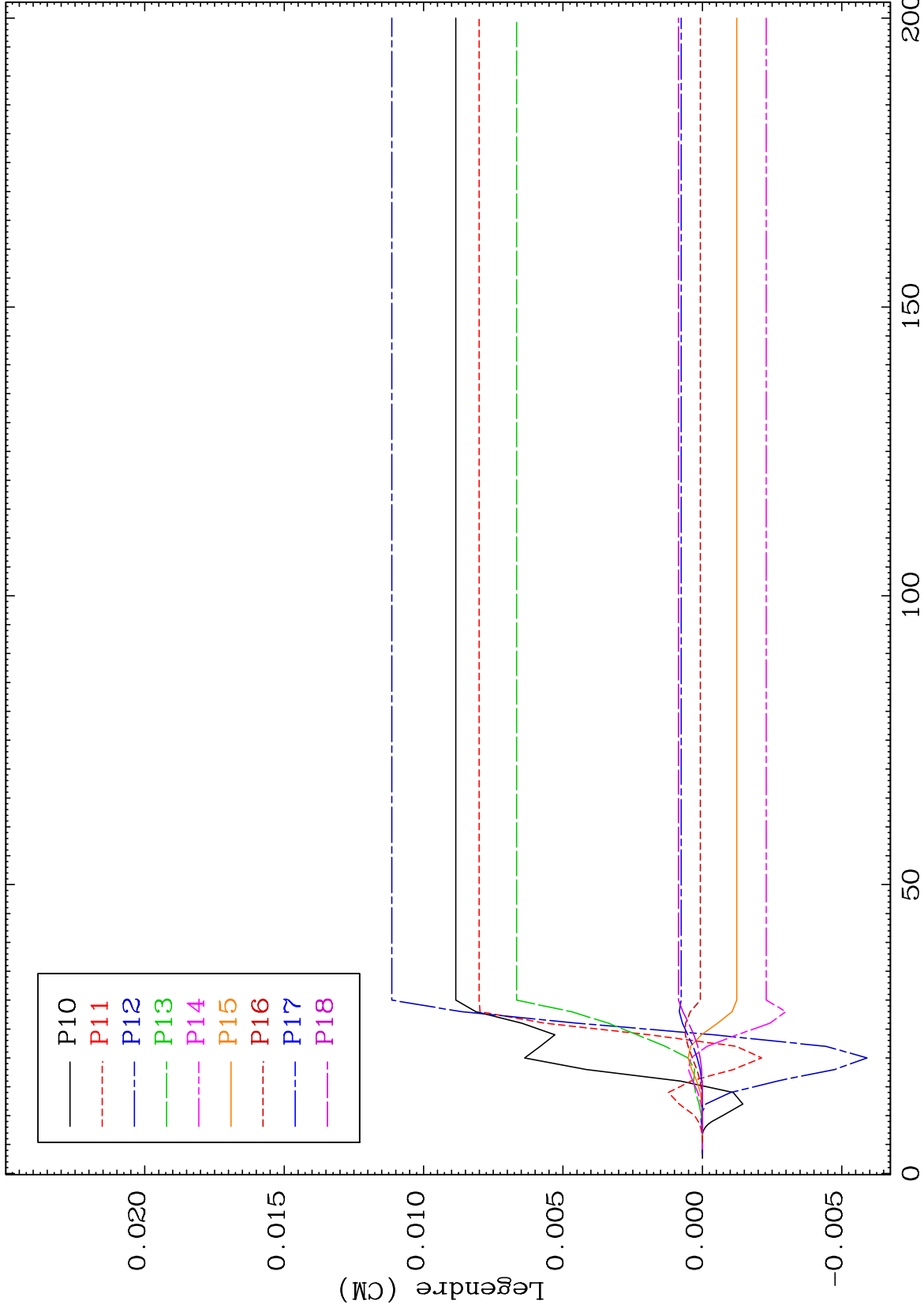


88

Incident Energy (MeV)

41-Nb-89

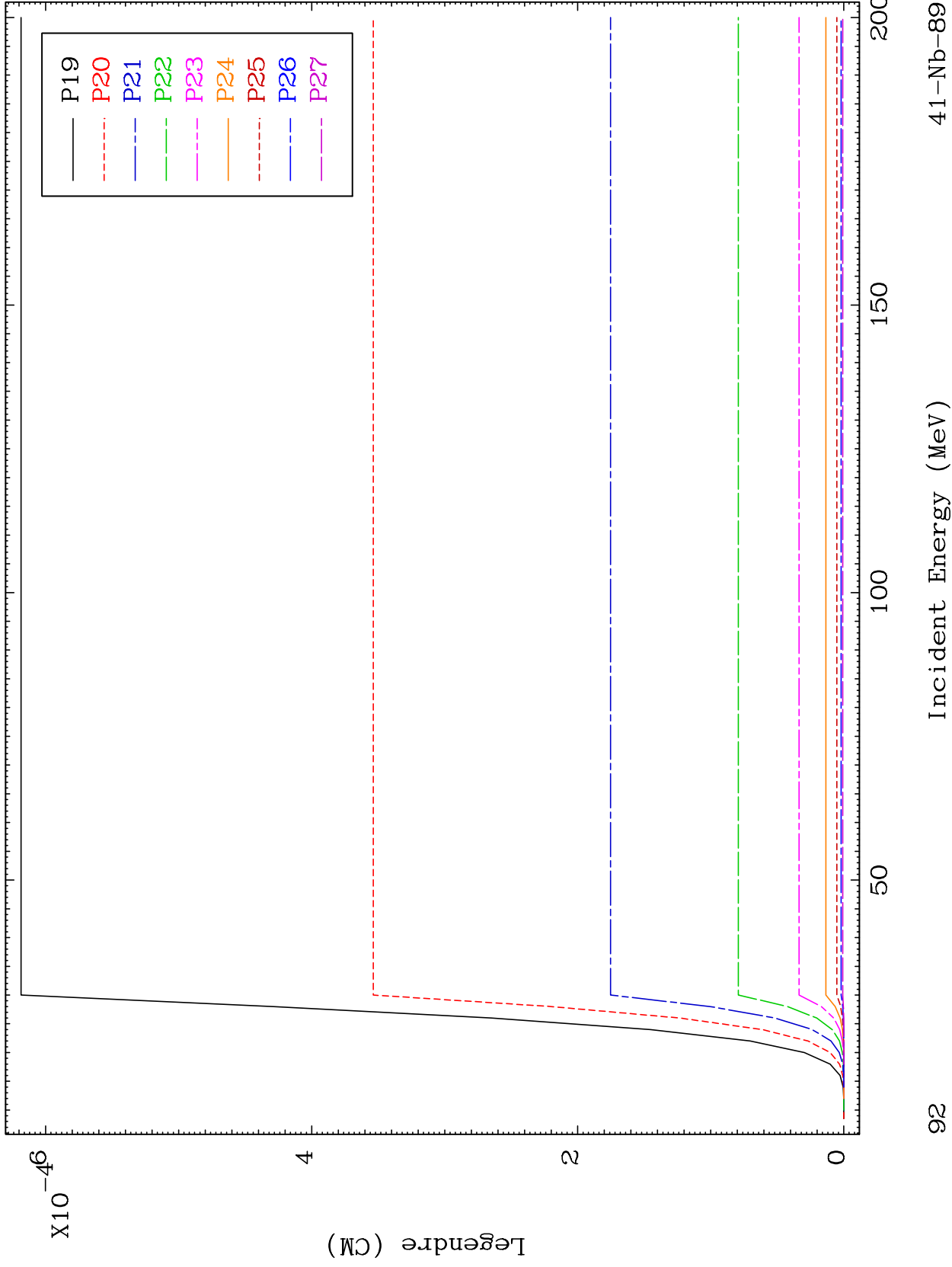


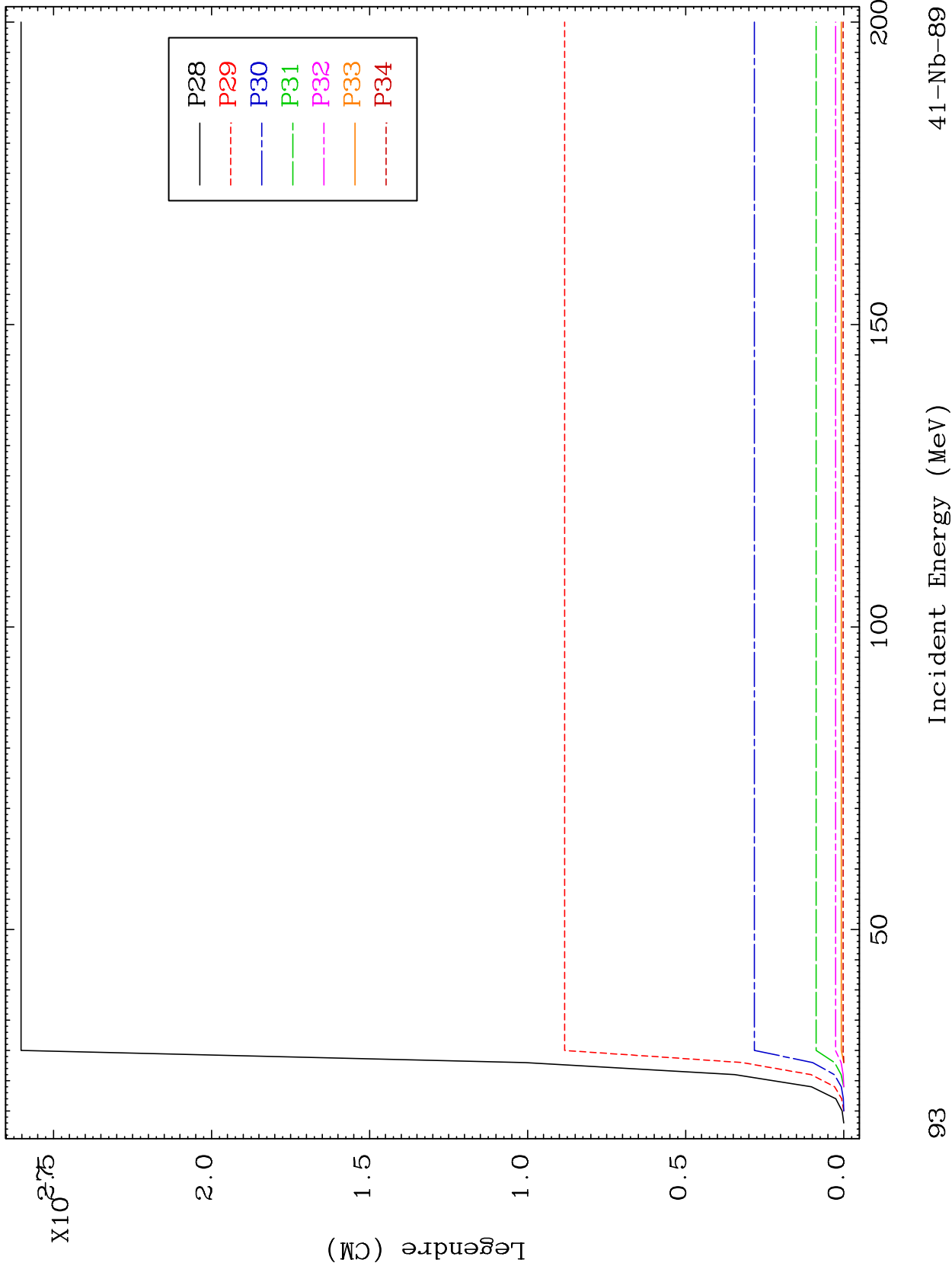


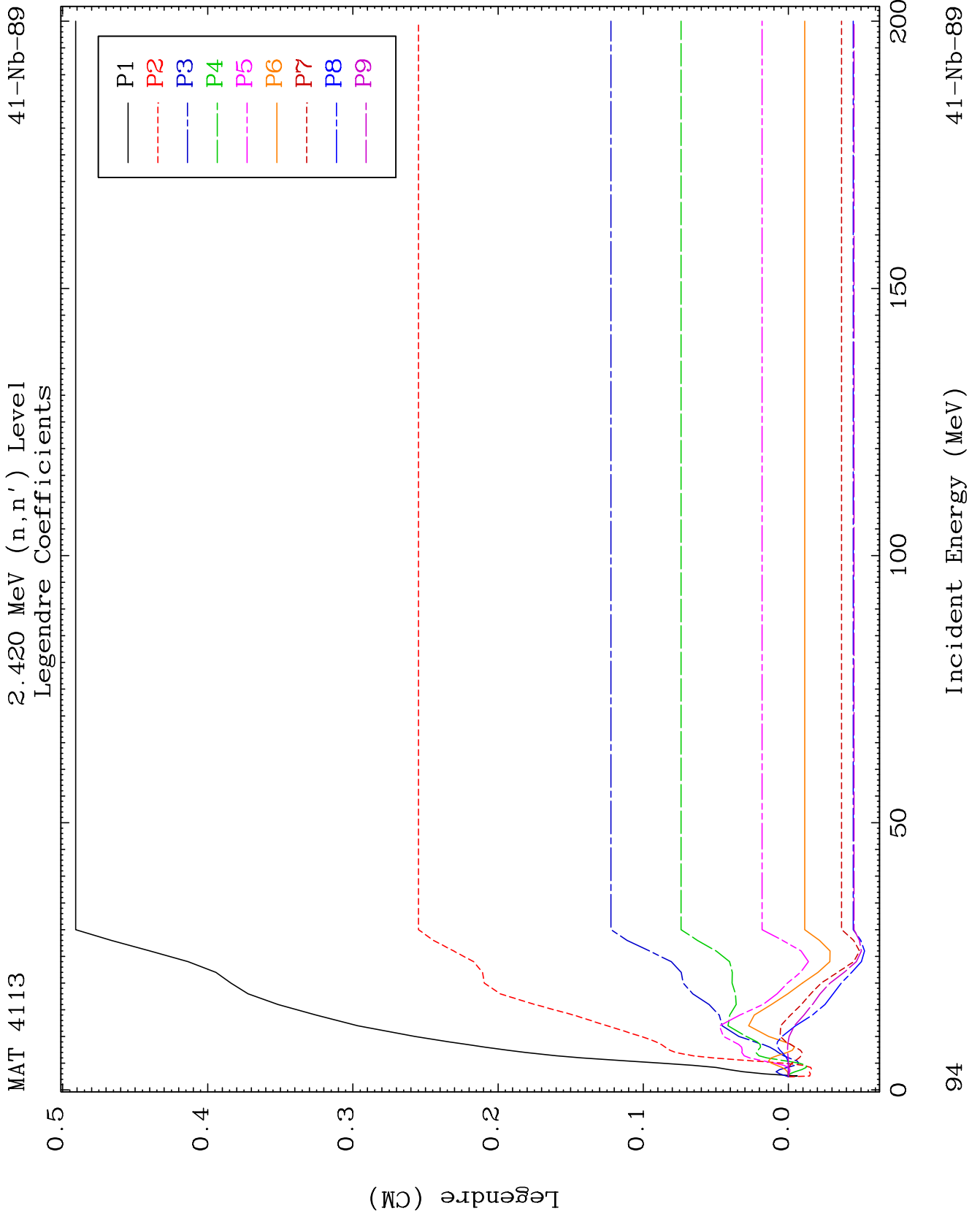
MAT 4113

2.221 MeV (n,n') Level
Legendre Coefficients

41-Nb-89



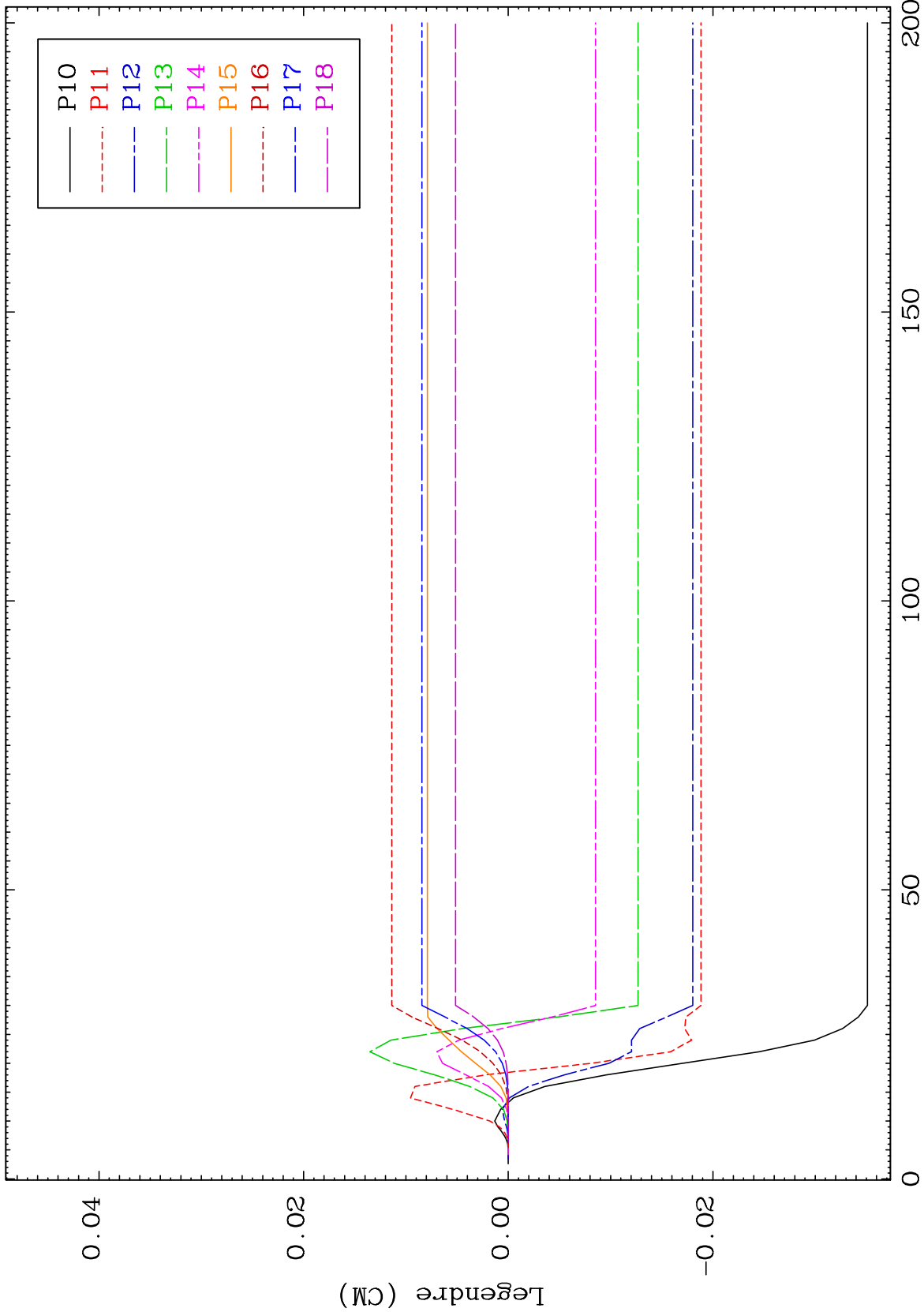




MAT 4113

2.420 MeV (n,n') Level
Legendre Coefficients

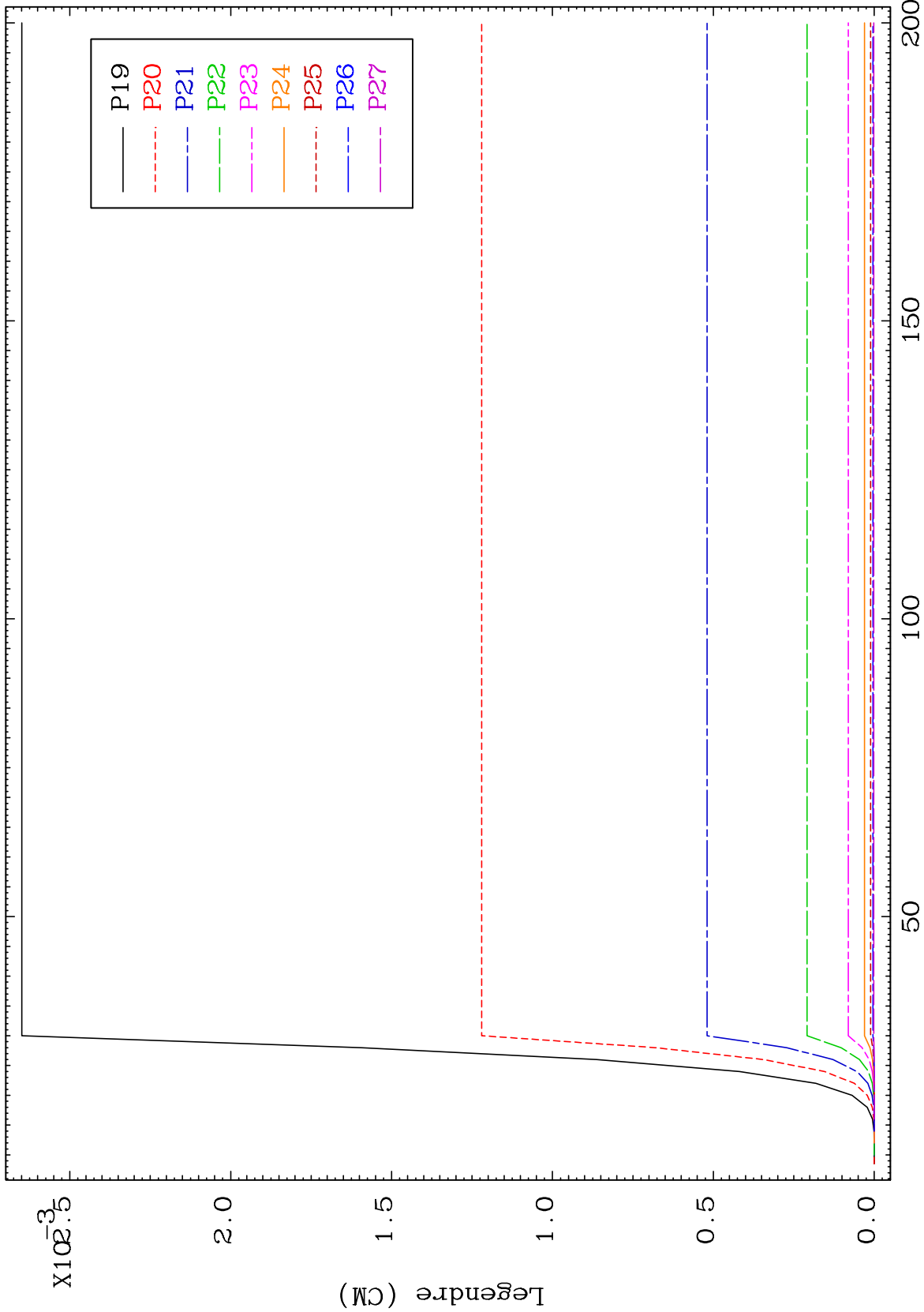
41-Nb-89



95

Incident Energy (MeV)

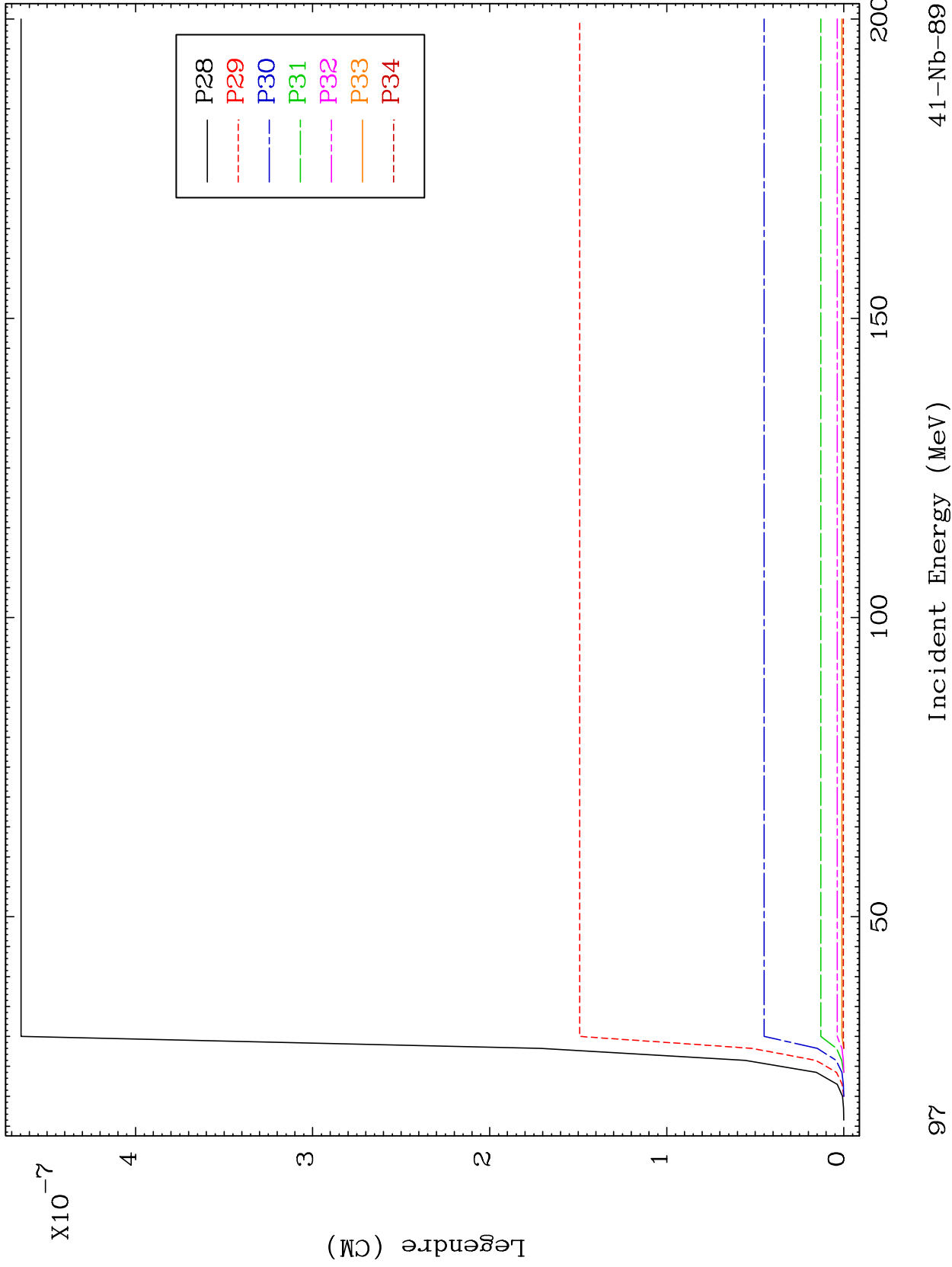
41-Nb-89



MAT 4113

2.420 MeV (n,n') Level
Legendre Coefficients

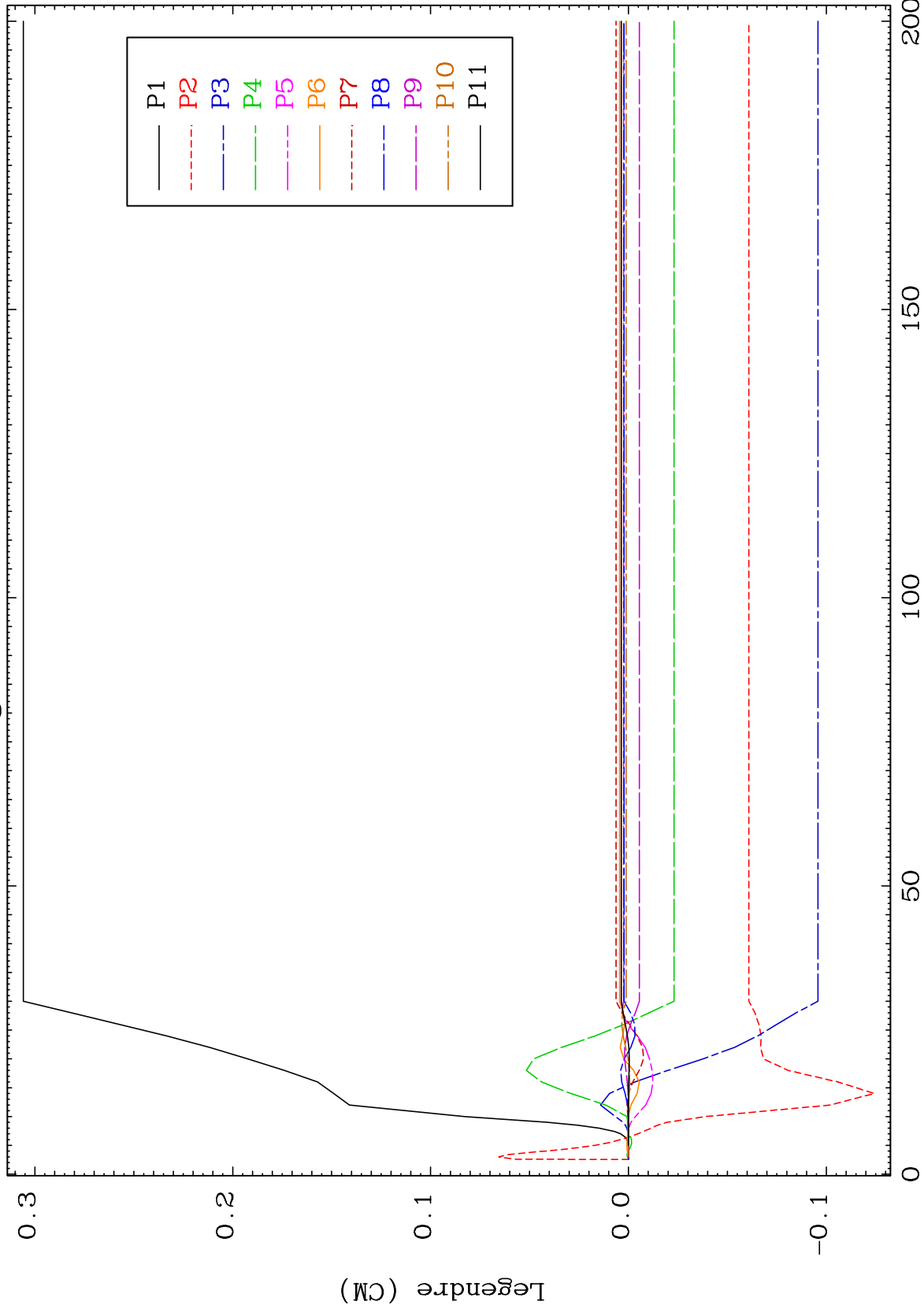
41-Nb-89



MAT 4113

2.518 MeV (n,n') Level
Legendre Coefficients

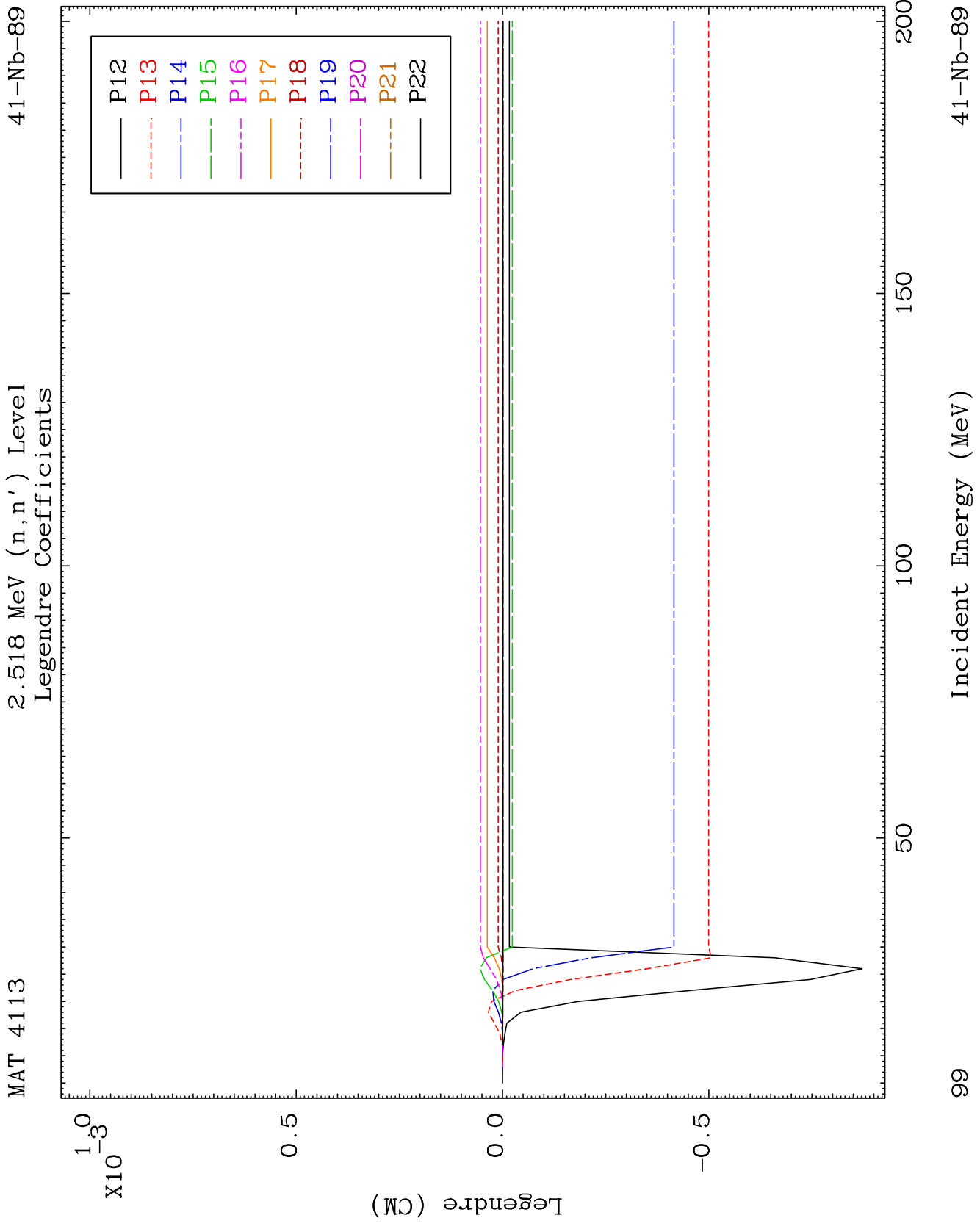
41-Nb-89

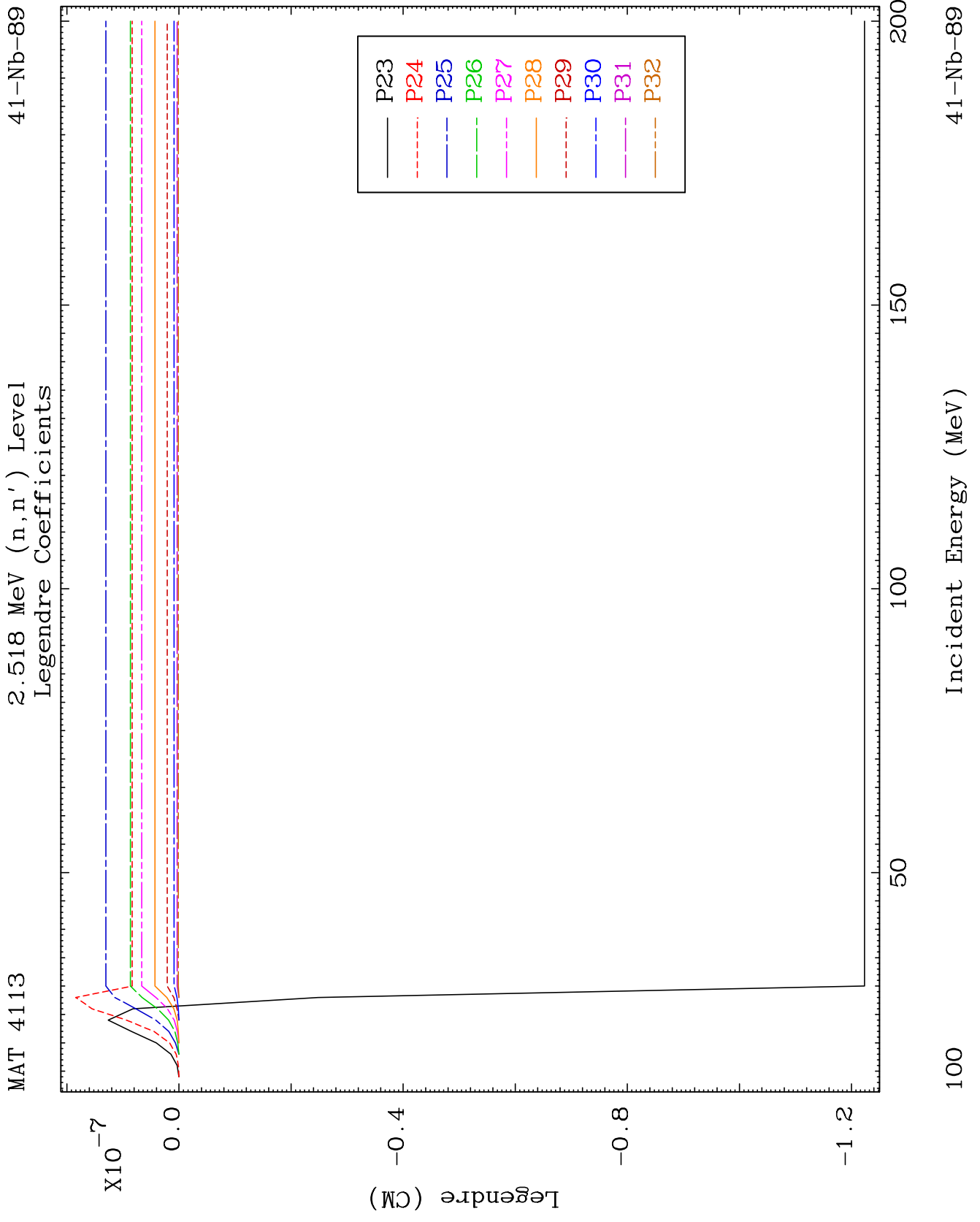


98

Incident Energy (MeV)

41-Nb-89

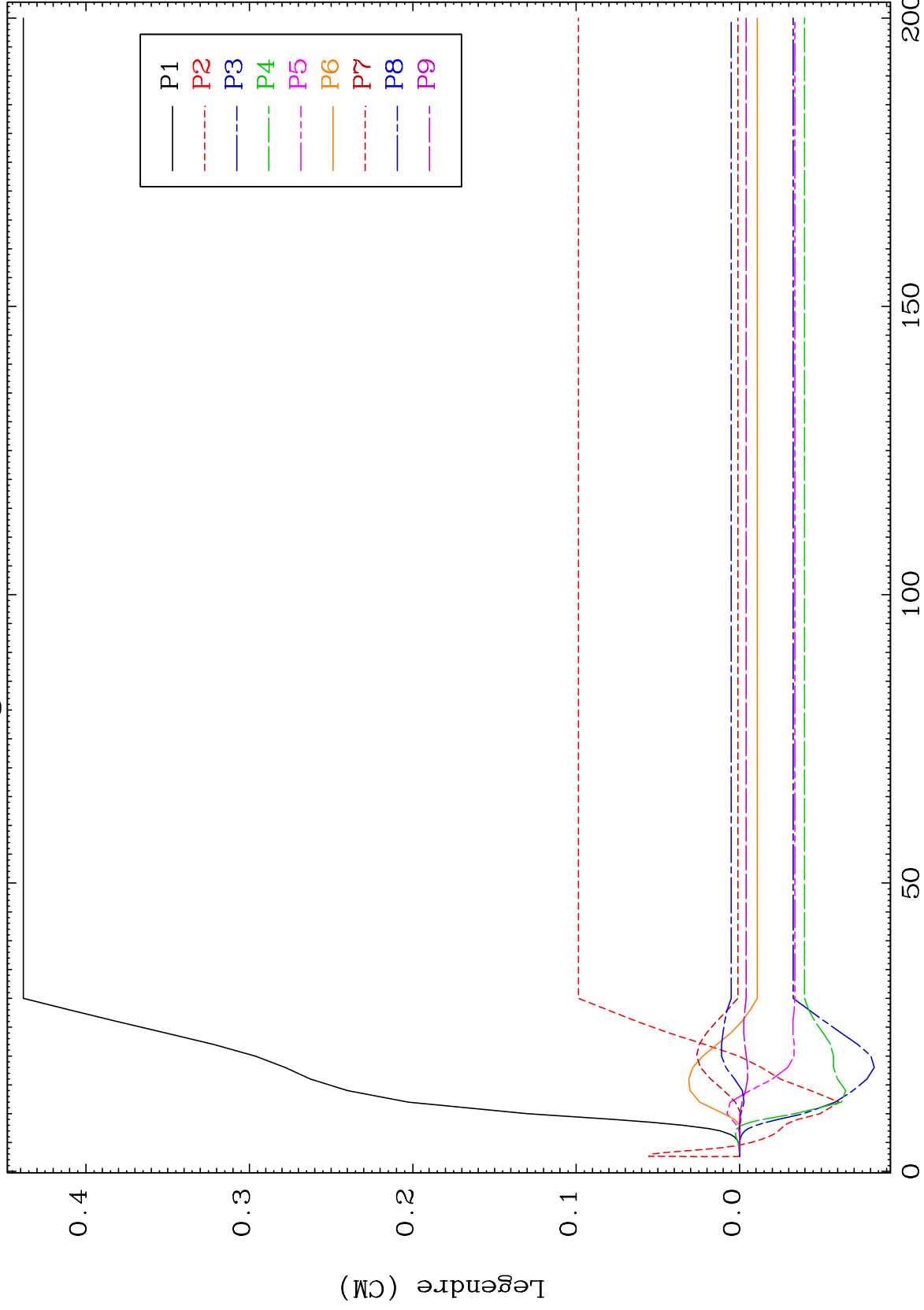




MAT 4113

2.523 MeV (n,n') Level
Legendre Coefficients

41-Nb-89



101

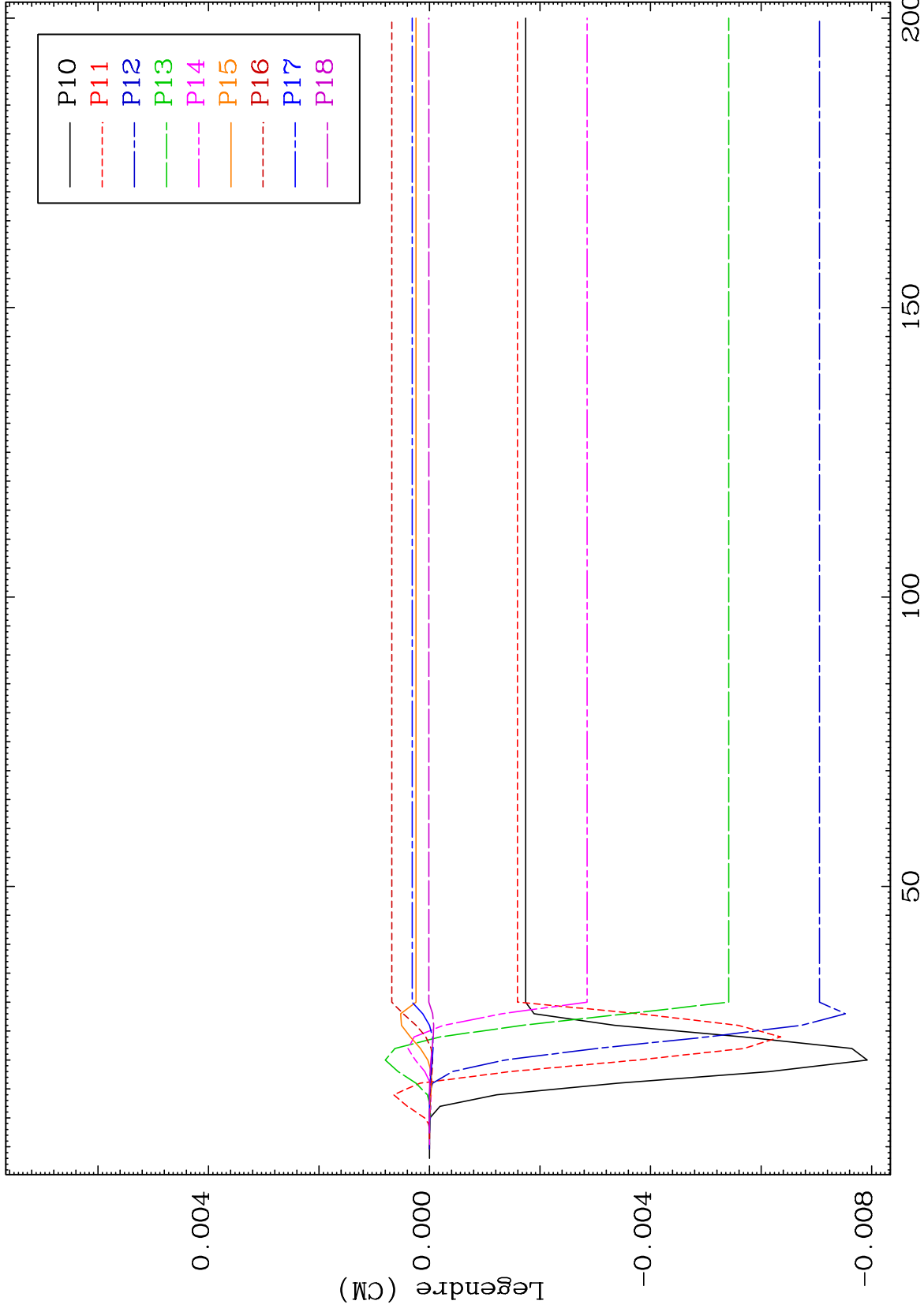
Incident Energy (MeV)

41-Nb-89

MAT 4113

2.523 MeV (n,n') Level
Legendre Coefficients

41-Nb-89



102

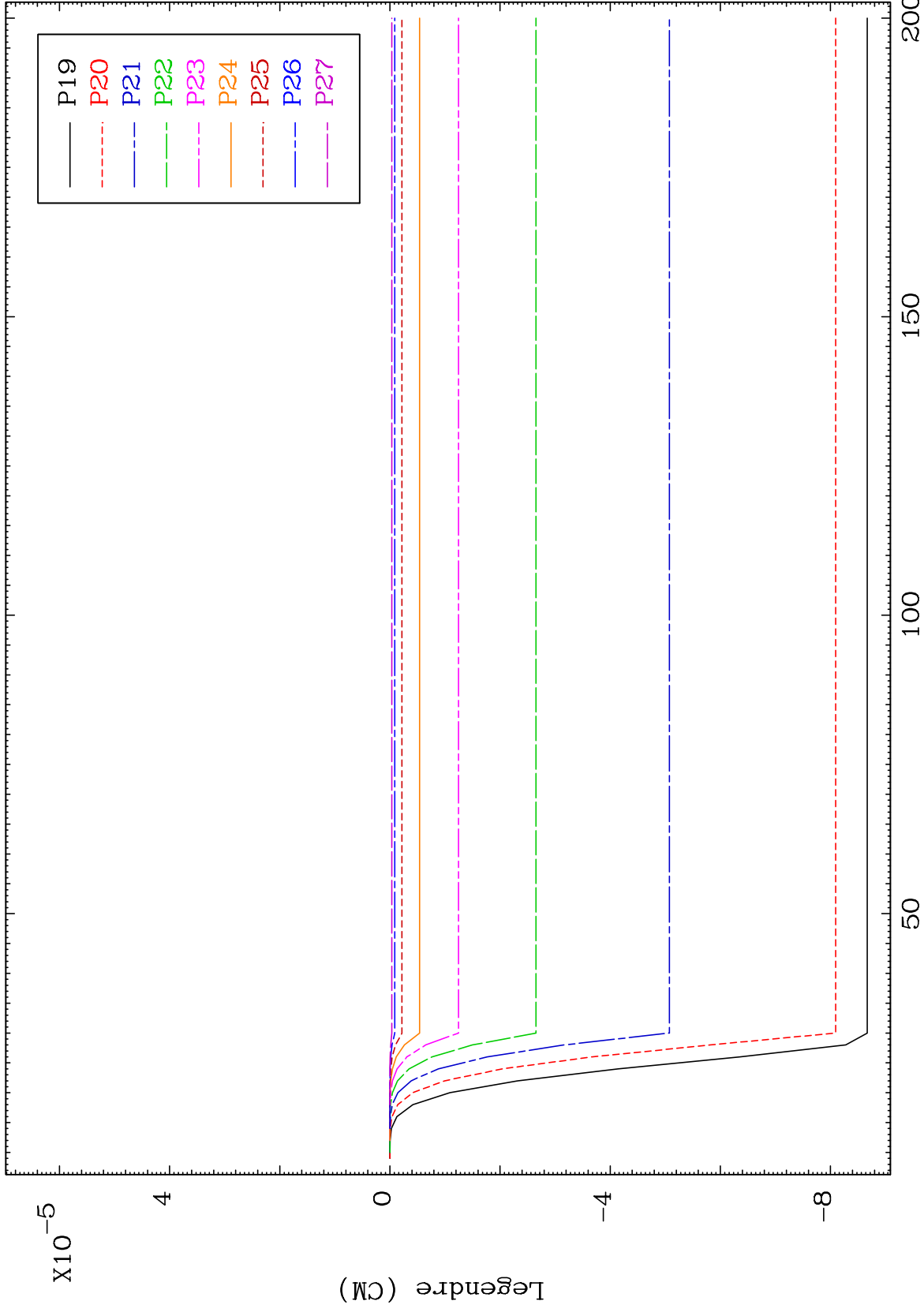
Incident Energy (MeV)

41-Nb-89

MAT 4113

2.523 MeV (n,n') Level
Legendre Coefficients

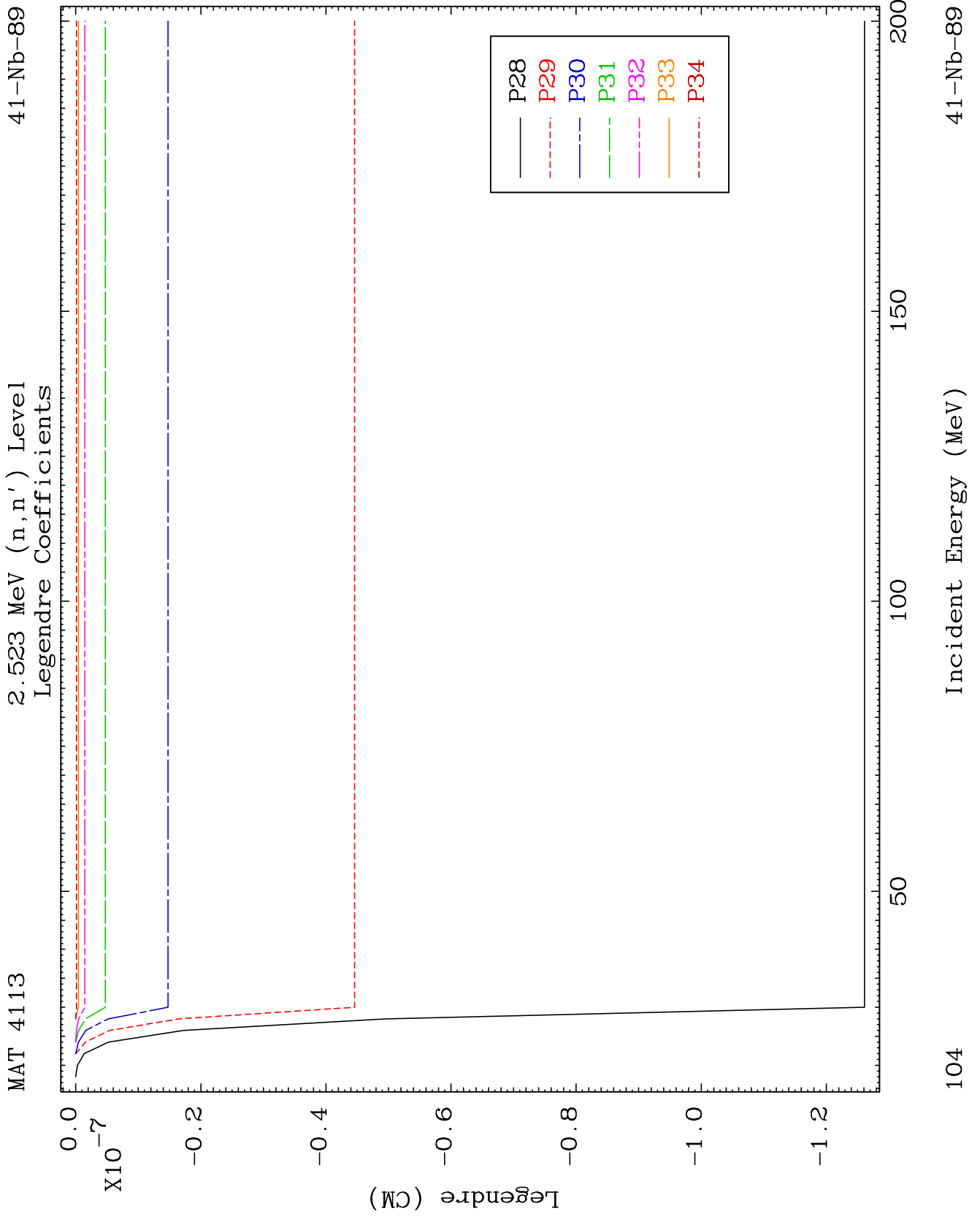
41-Nb-89



103

Incident Energy (MeV)

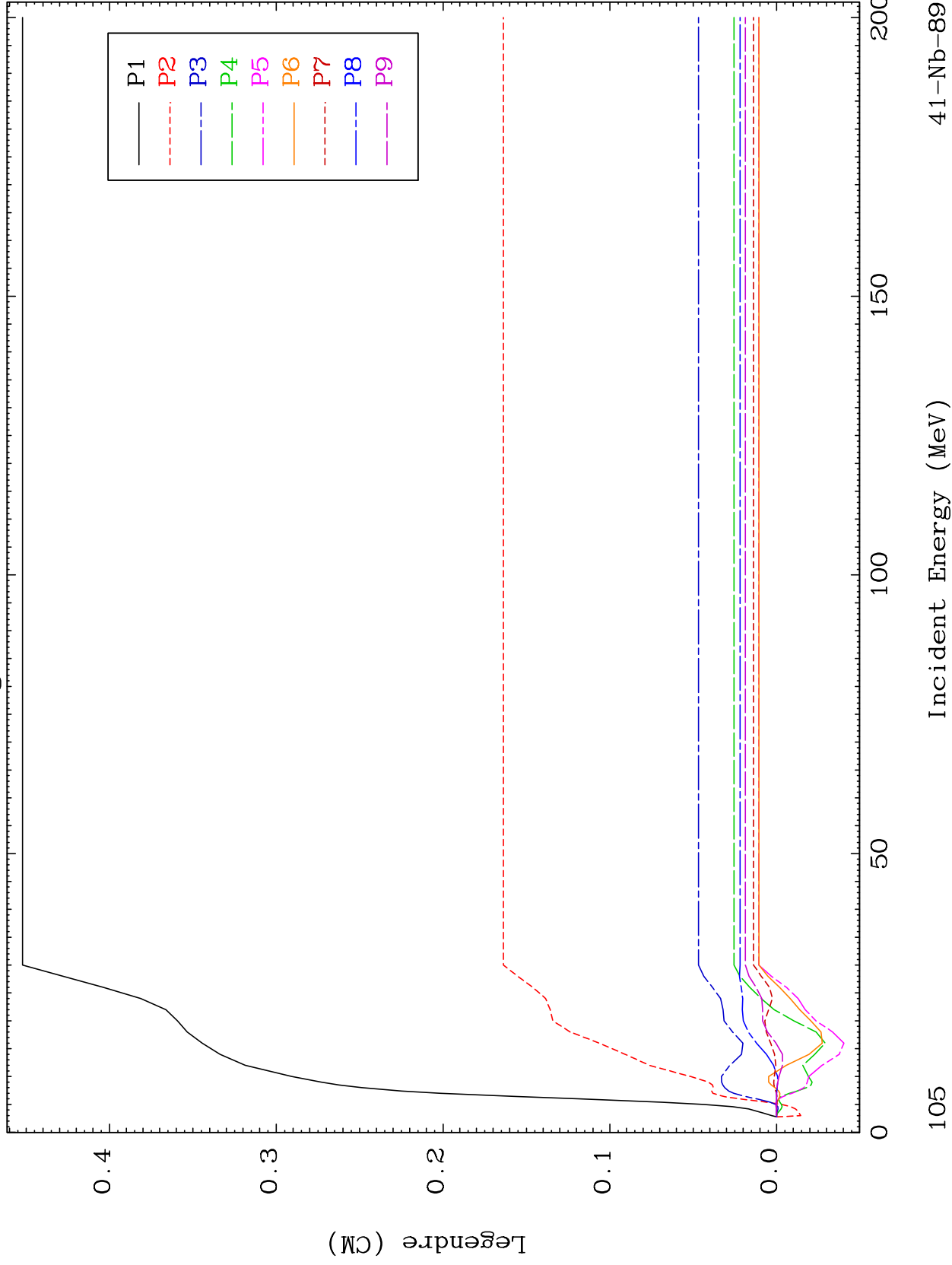
41-Nb-89



MAT 4113

2.728 MeV (n,n') Level
Legendre Coefficients

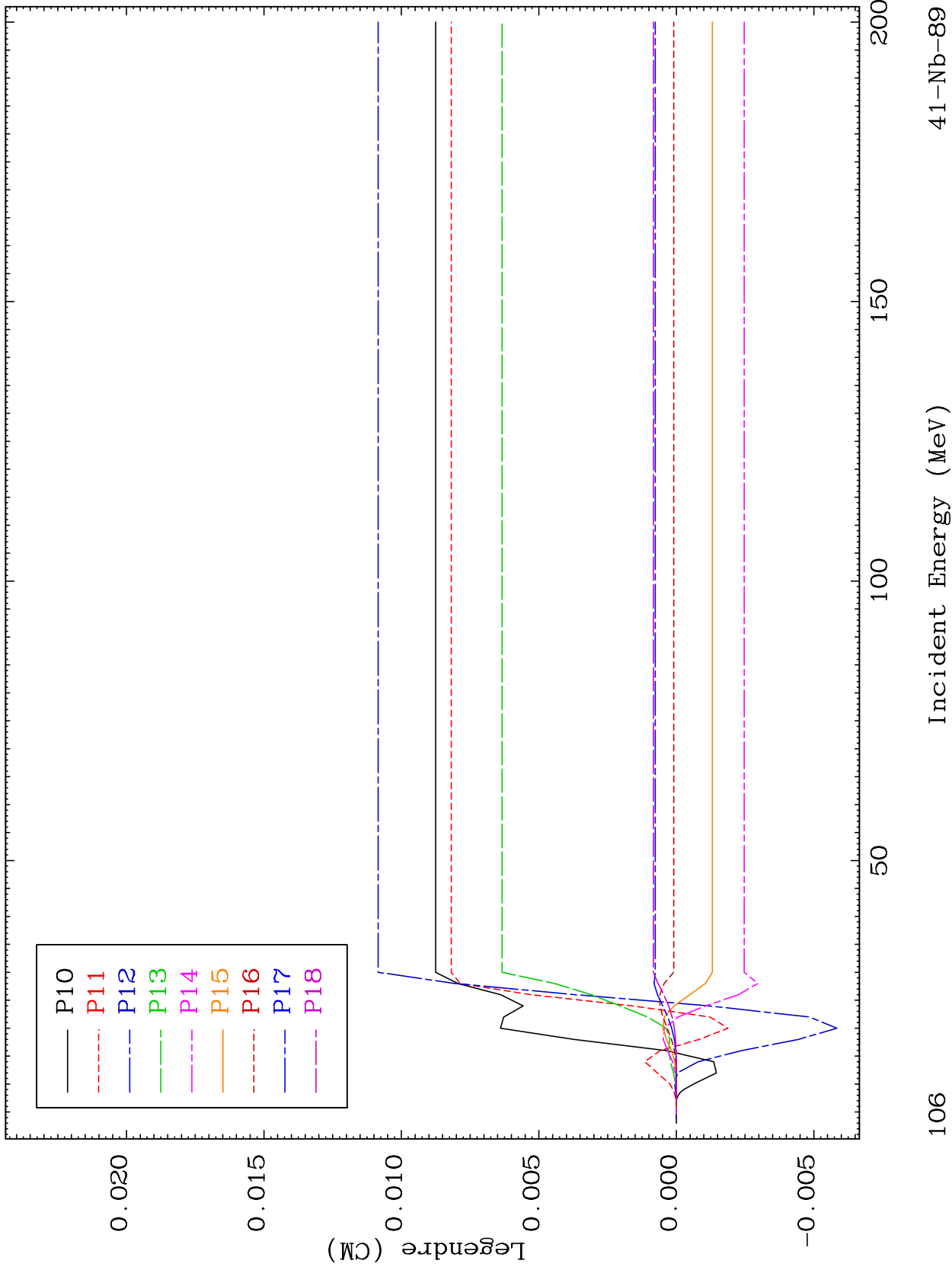
41-Nb-89



41-Nb-89

Incident Energy (MeV)

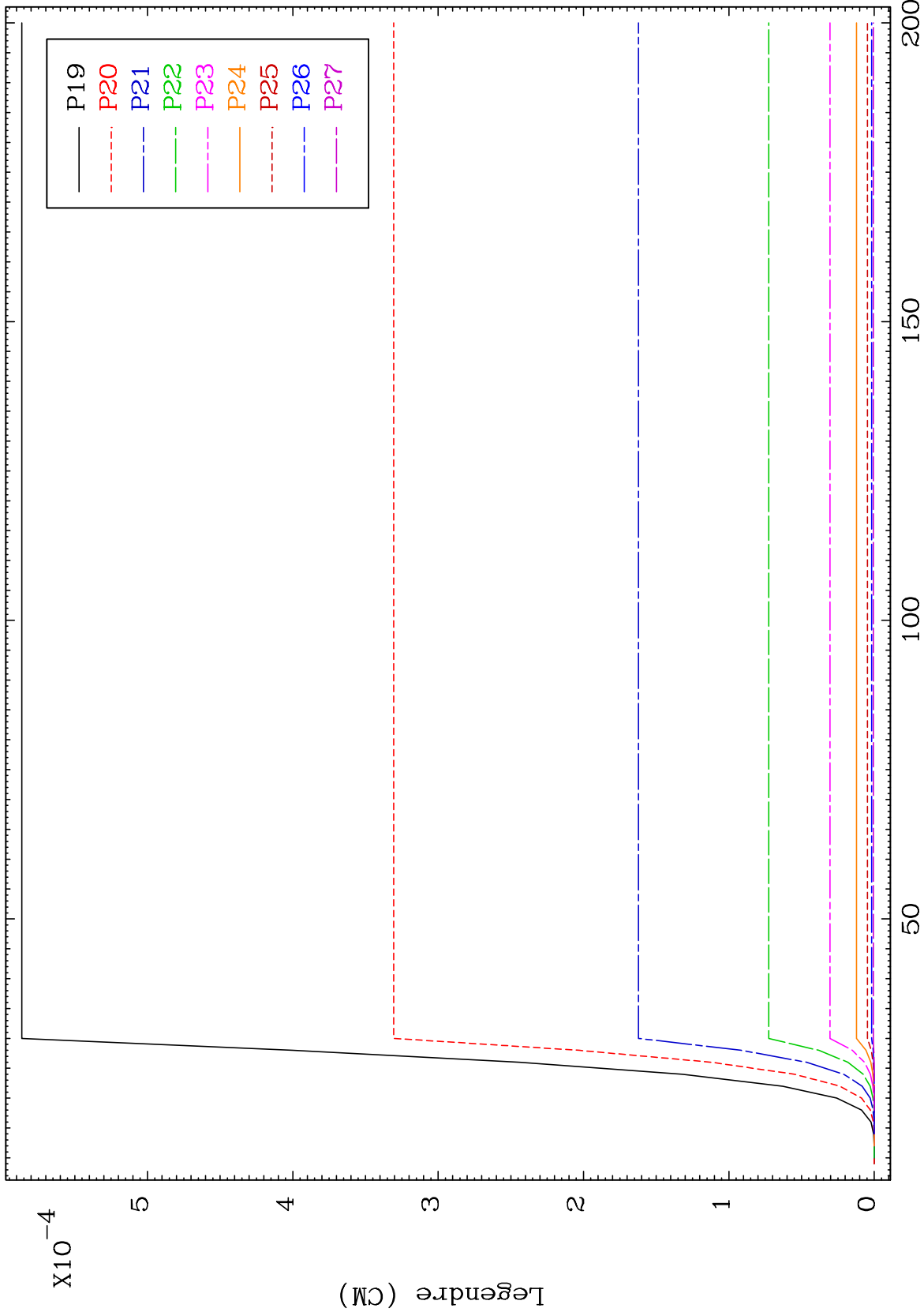
105



MAT 4113

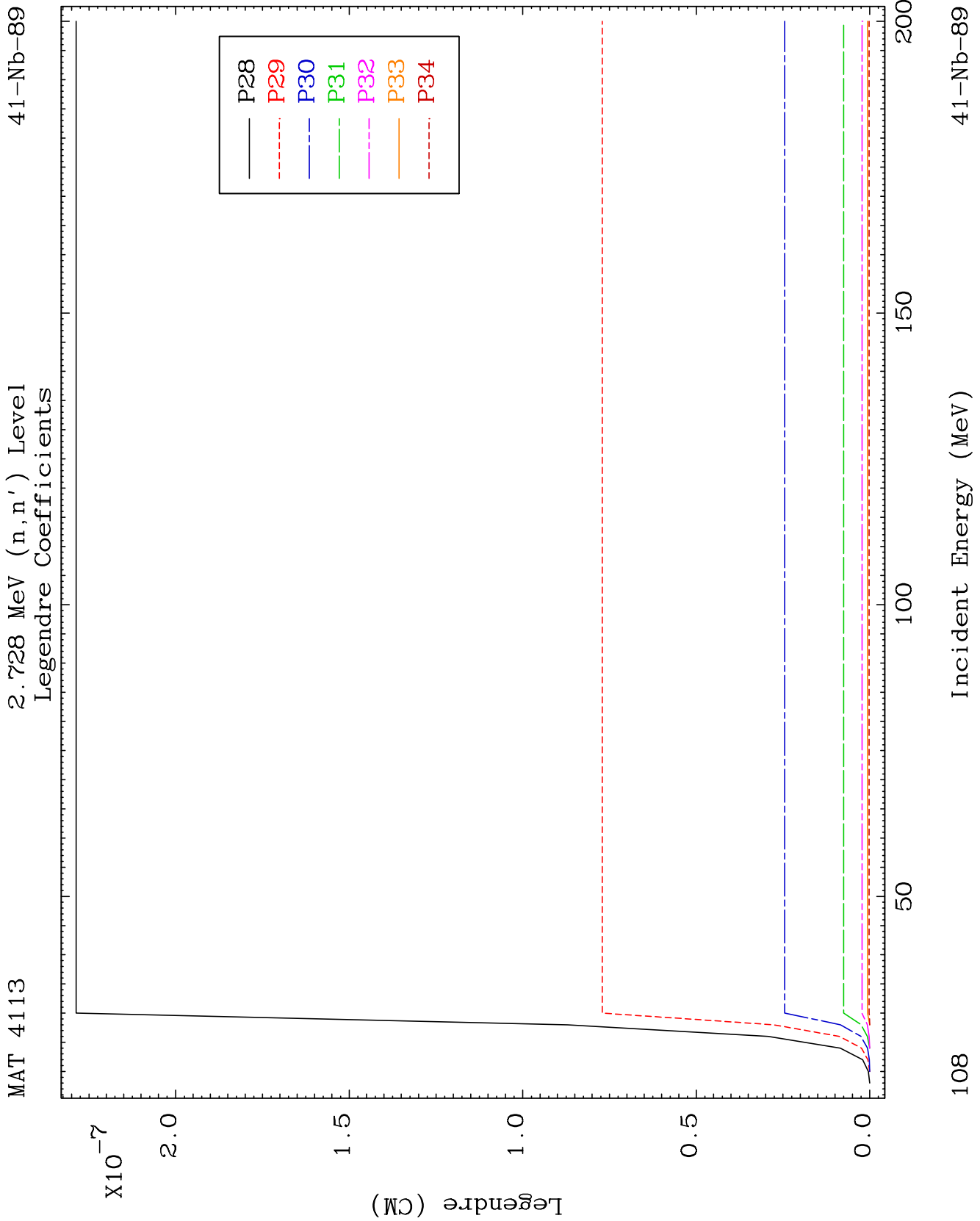
2.728 MeV (n,n') Level
Legendre Coefficients

41-Nb-89



107

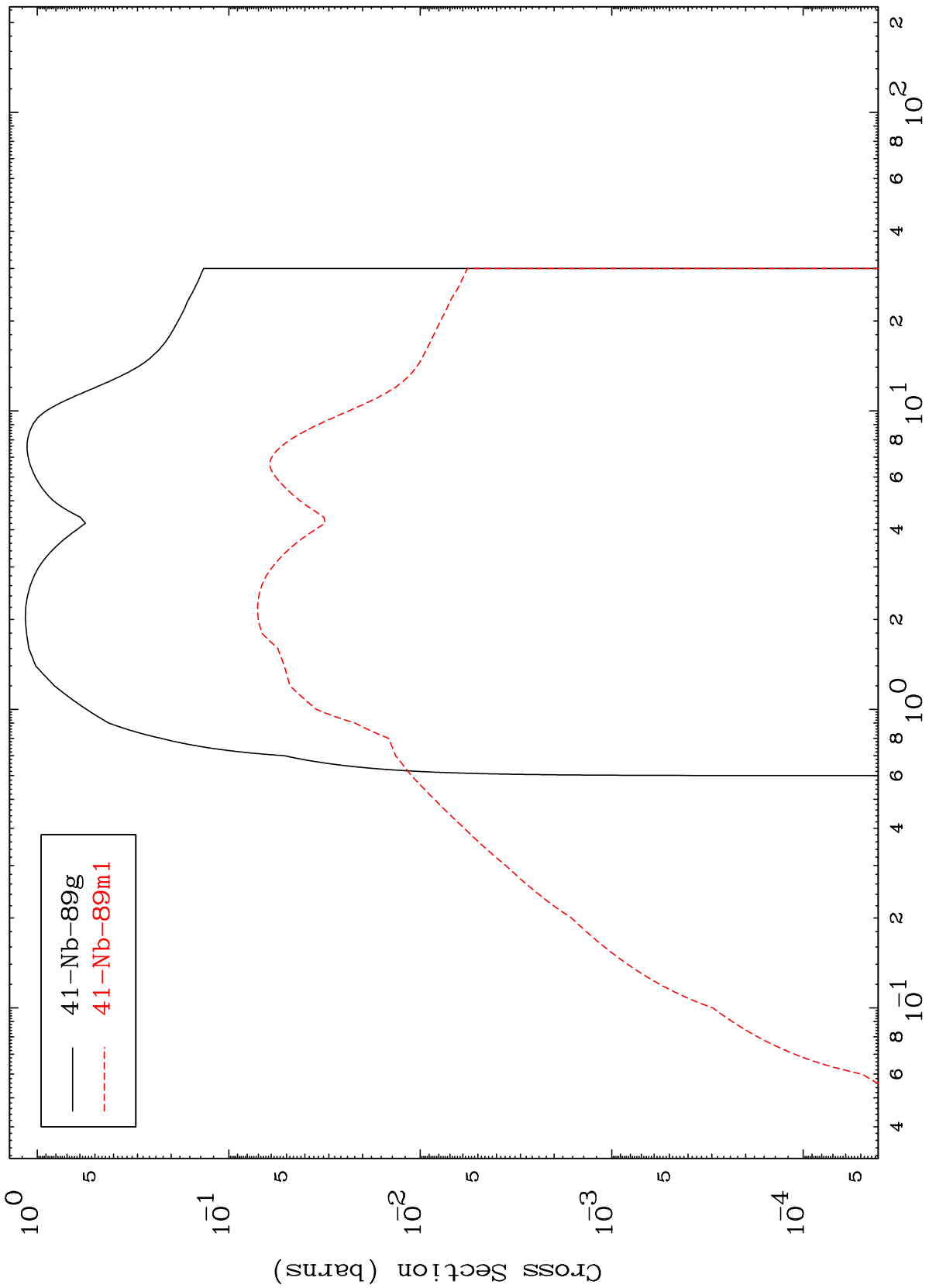
41-Nb-89



MAT 4113

41-Nb-89

Radionuclide Production Cross Section



41-Nb-89g
41-Nb-89m1

109

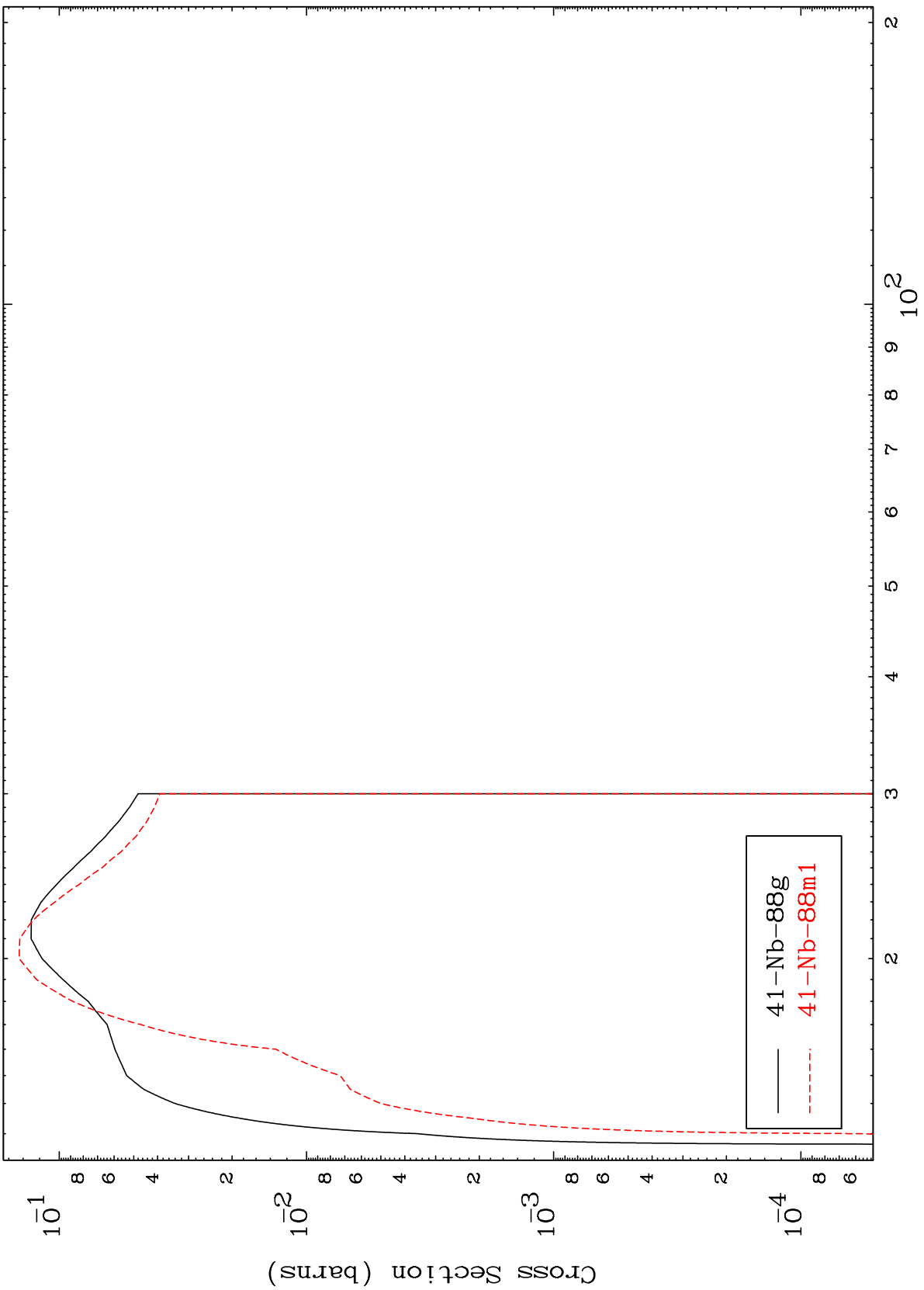
Incident Energy (MeV)

41-Nb-89

MAT 4113

41-Nb-89

(n,2n)
Radionuclide Production Cross Section



110

Incident Energy (MeV)

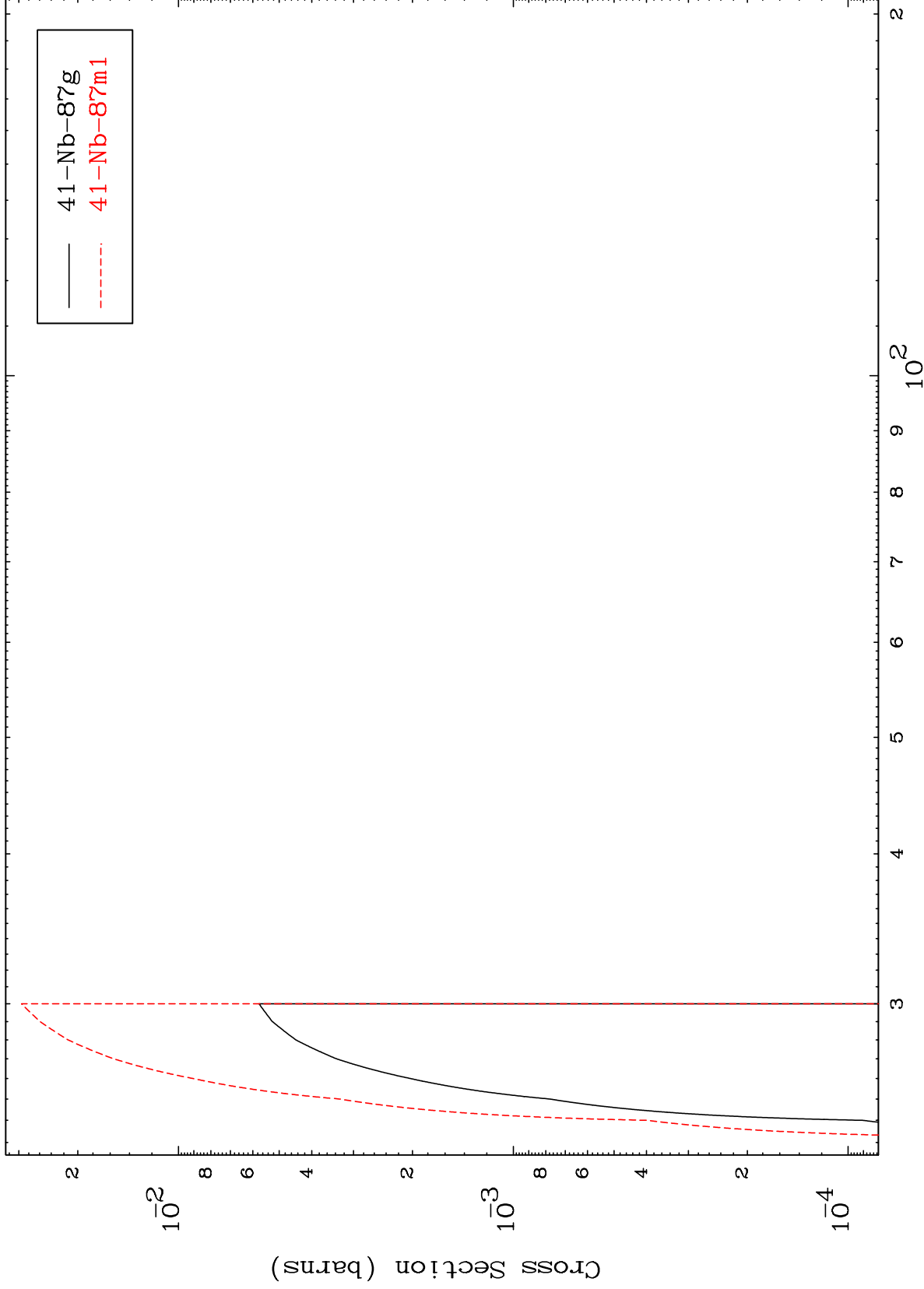
41-Nb-89

MAT 4113

(n,3n)

41-Nb-89

Radionuclide Production Cross Section



111

Incident Energy (MeV)

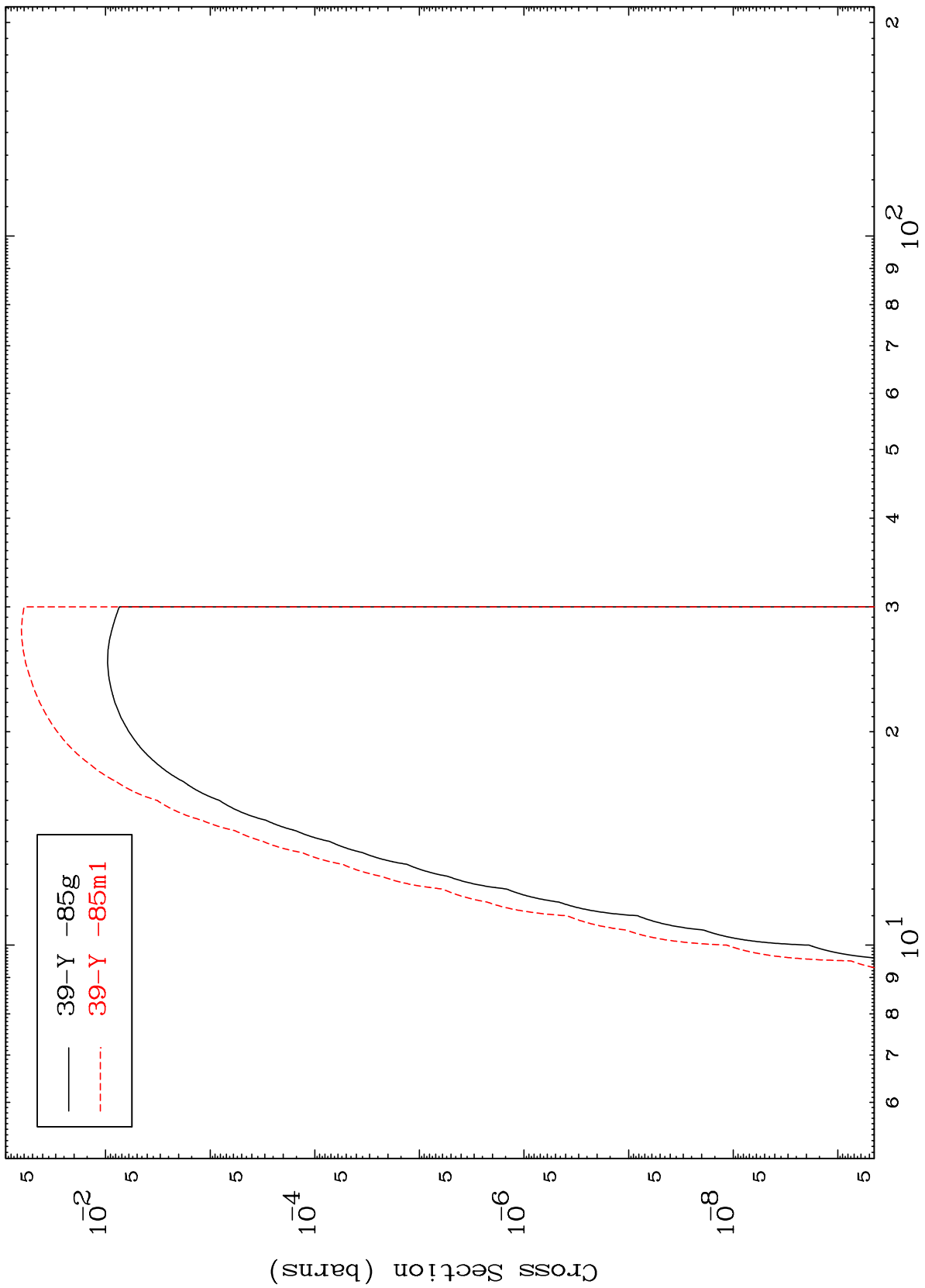
41-Nb-89

MAT 4113

$(n, n') \alpha$

41-Nb-89

Radionuclide Production Cross Section



112

Incident Energy (MeV)

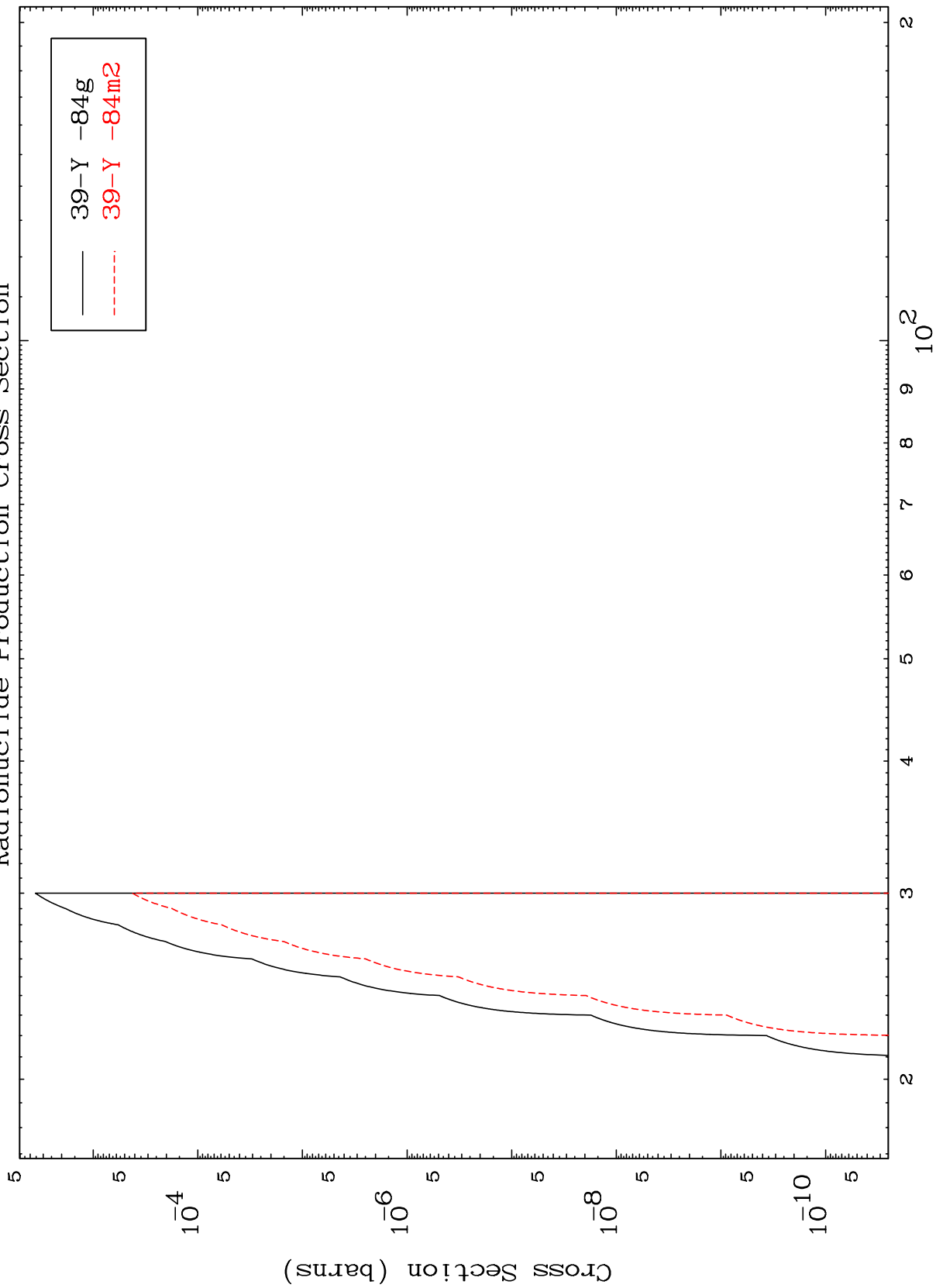
41-Nb-89

MAT 4113

(n,2n) α

41-Nb-89

Radionuclide Production Cross Section



113

Incident Energy (MeV)

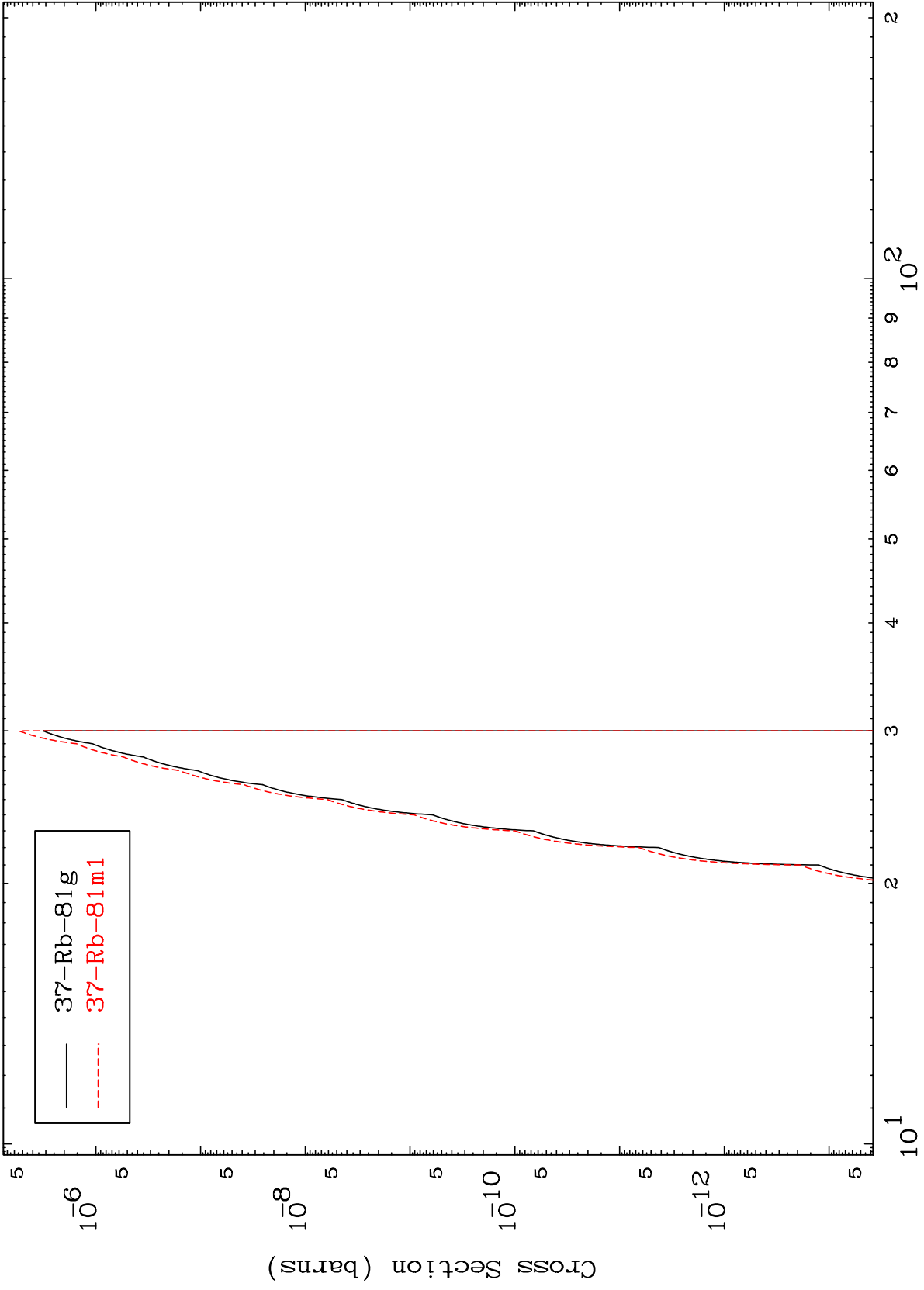
41-Nb-89

MAT 4113

(n,n') 2α

41-Nb-89

Radionuclide Production Cross Section



— 37-Rb-81g
- - - 37-Rb-81m1

114

Incident Energy (MeV)

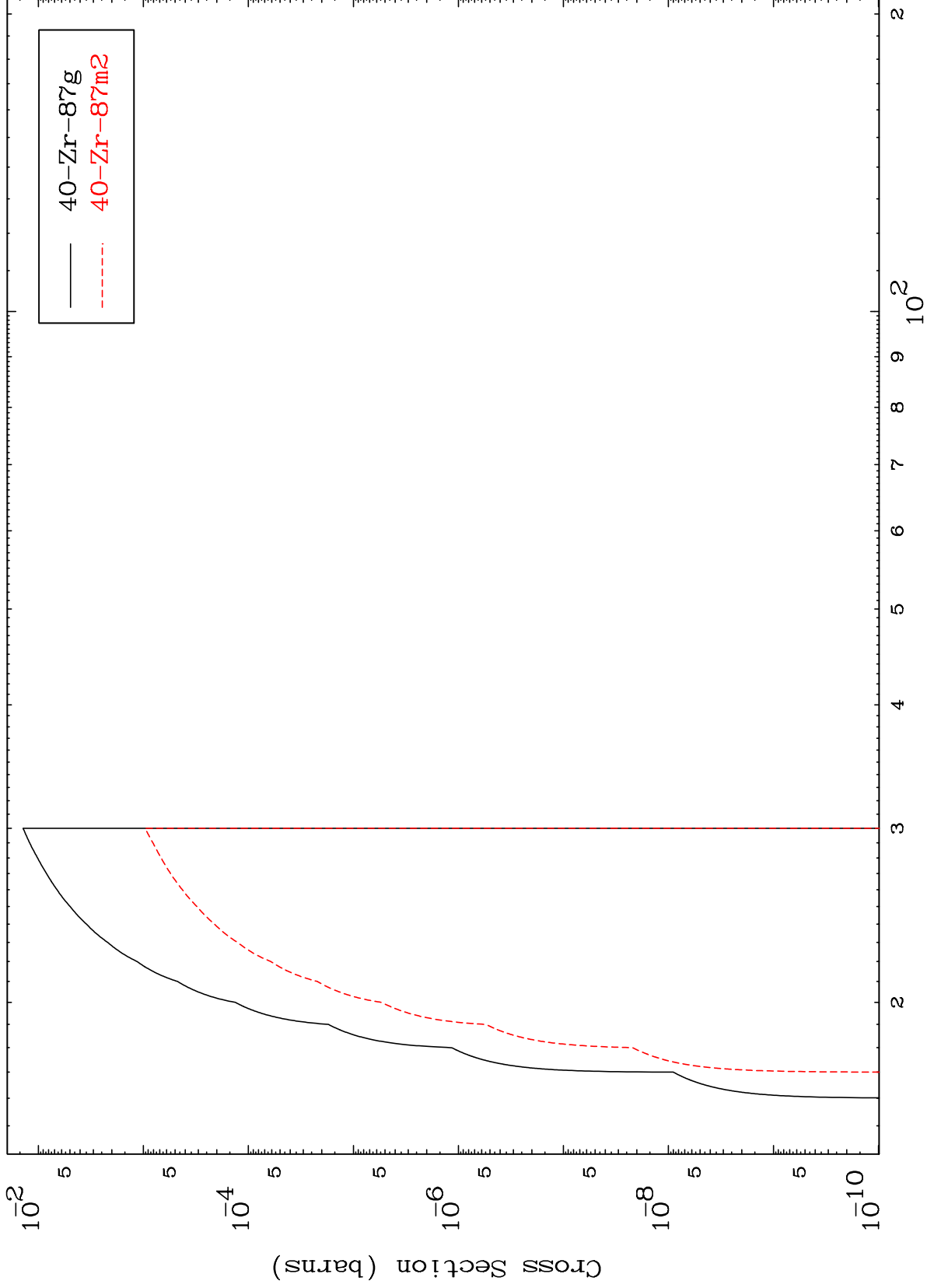
41-Nb-89

MAT 4113

(n,n') d

41-Nb-89

Radionuclide Production Cross Section

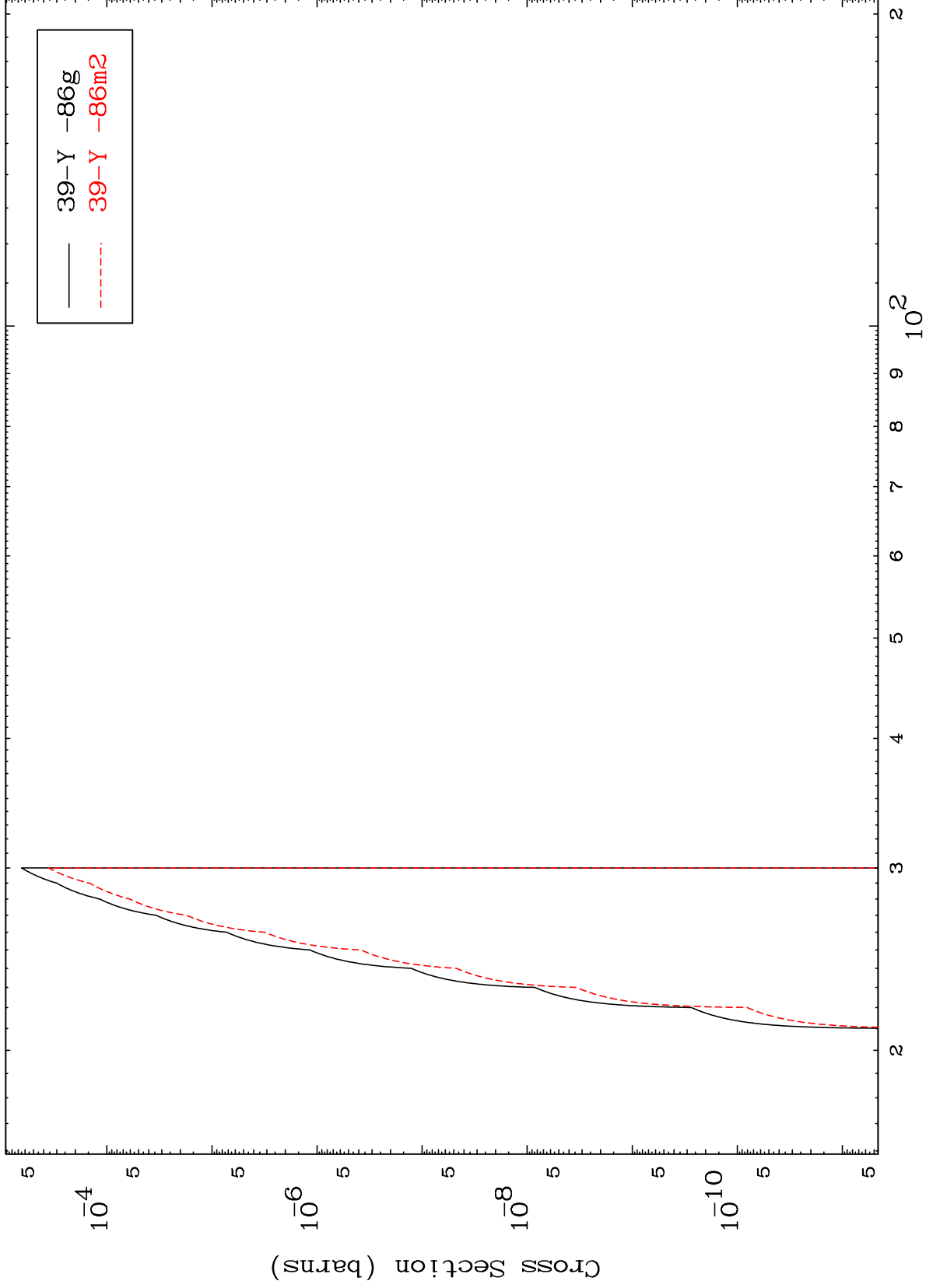


115

Incident Energy (MeV)

41-Nb-89

Radionuclide Production Cross Section

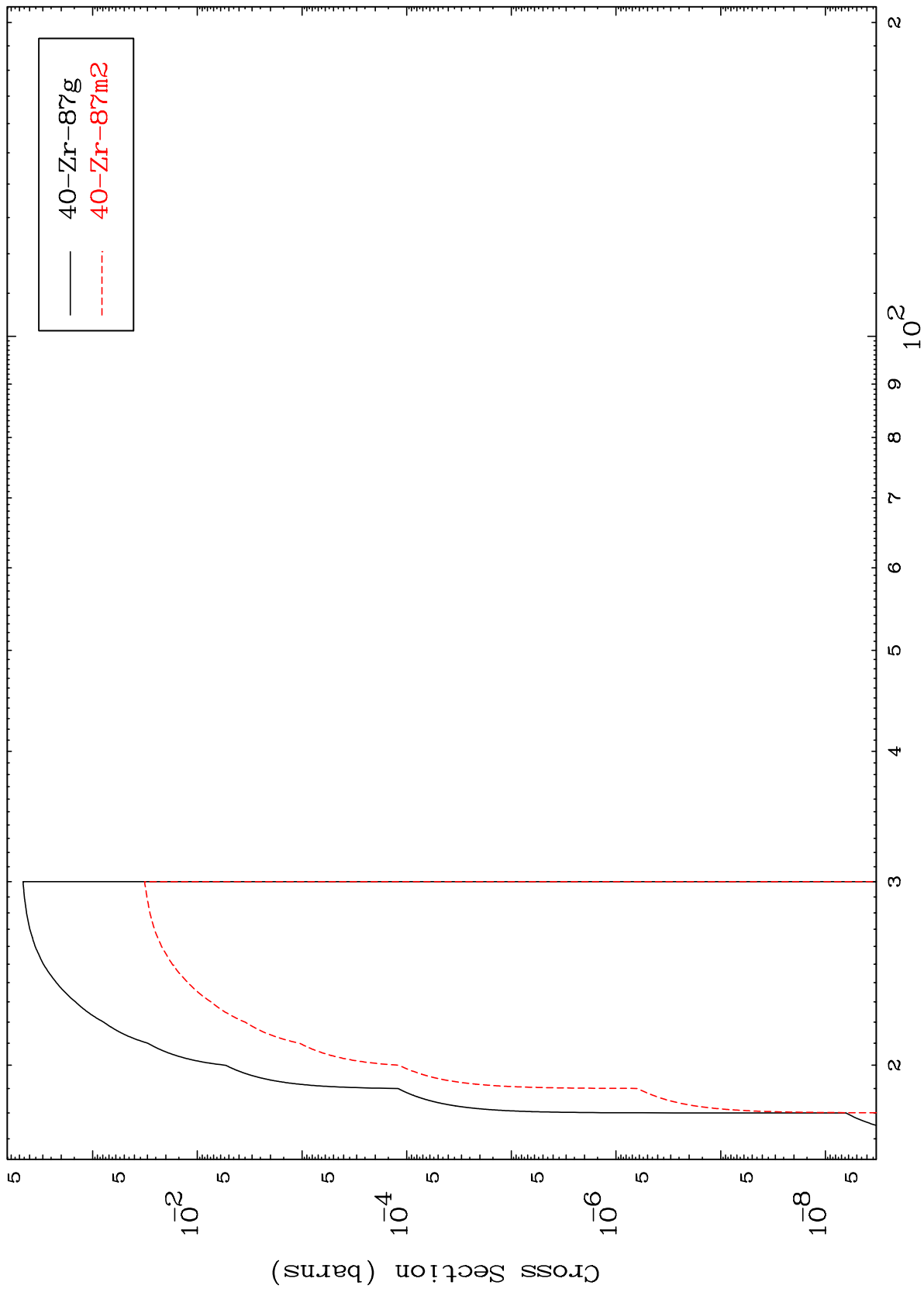


MAT 4113

(n,2n) p

41-Nb-89

Radionuclide Production Cross Section



117

Incident Energy (MeV)

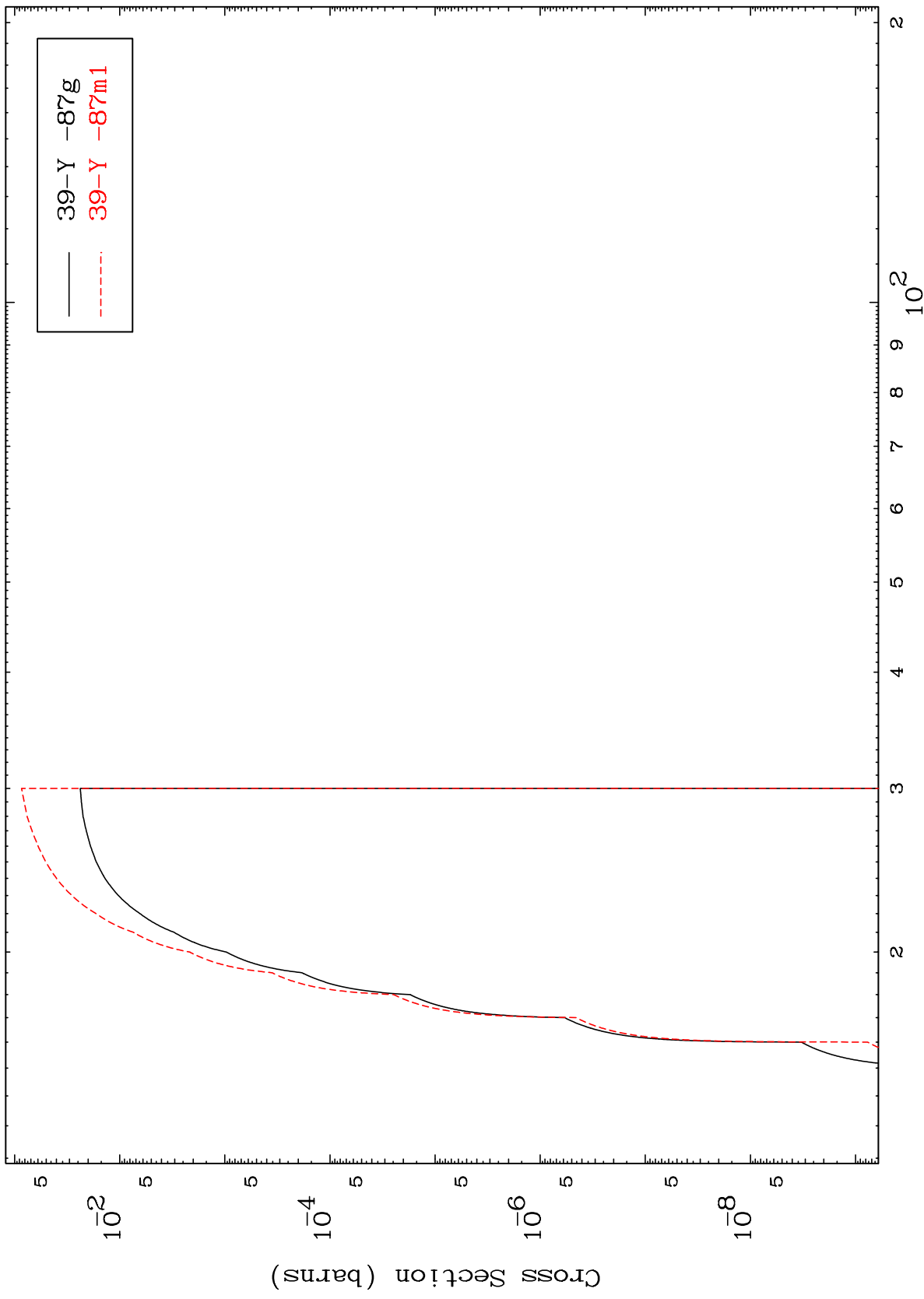
41-Nb-89

MAT 4113

(n,2n) p

41-Nb-89

Radionuclide Production Cross Section

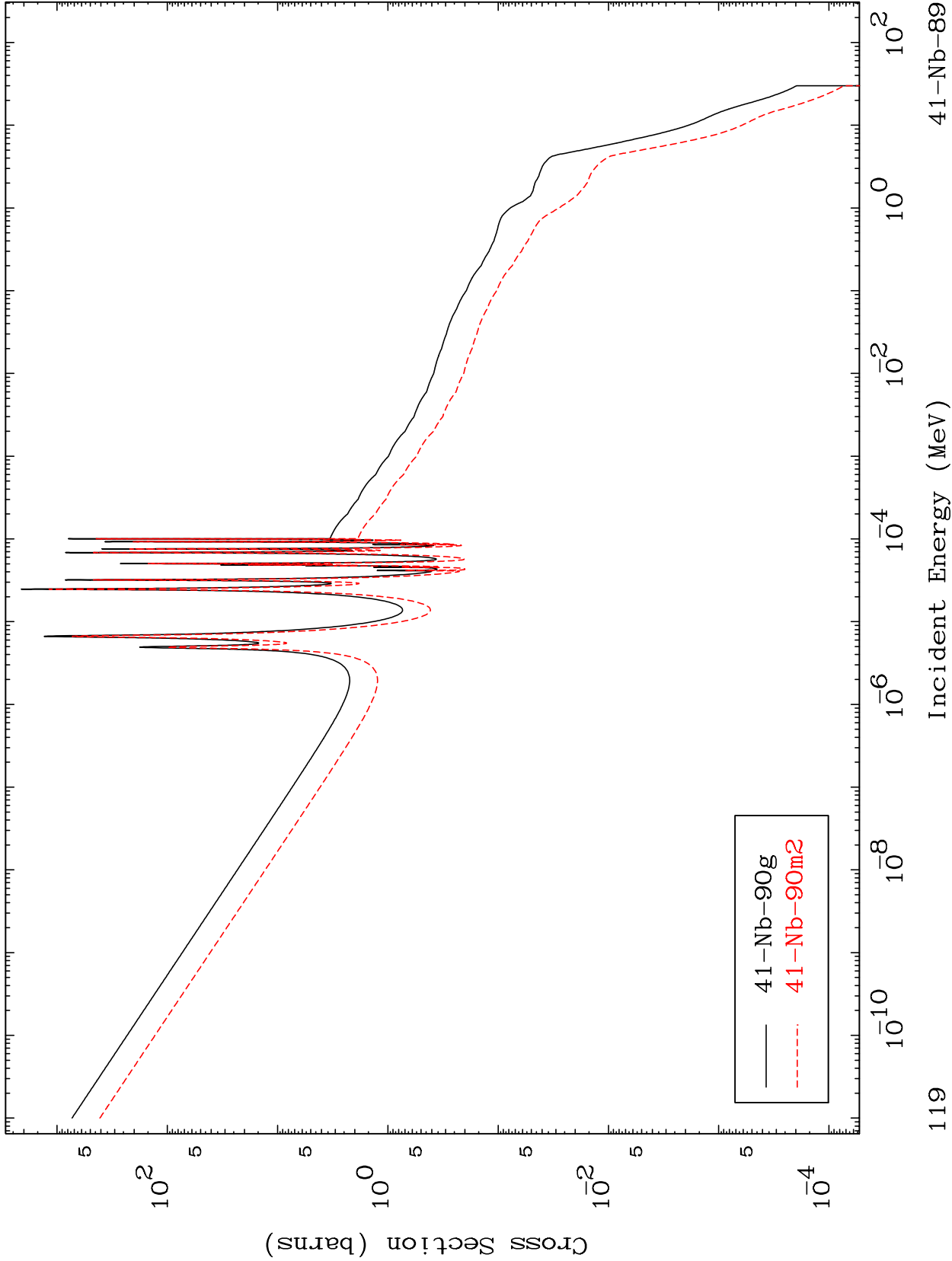


118

Incident Energy (MeV)

41-Nb-89

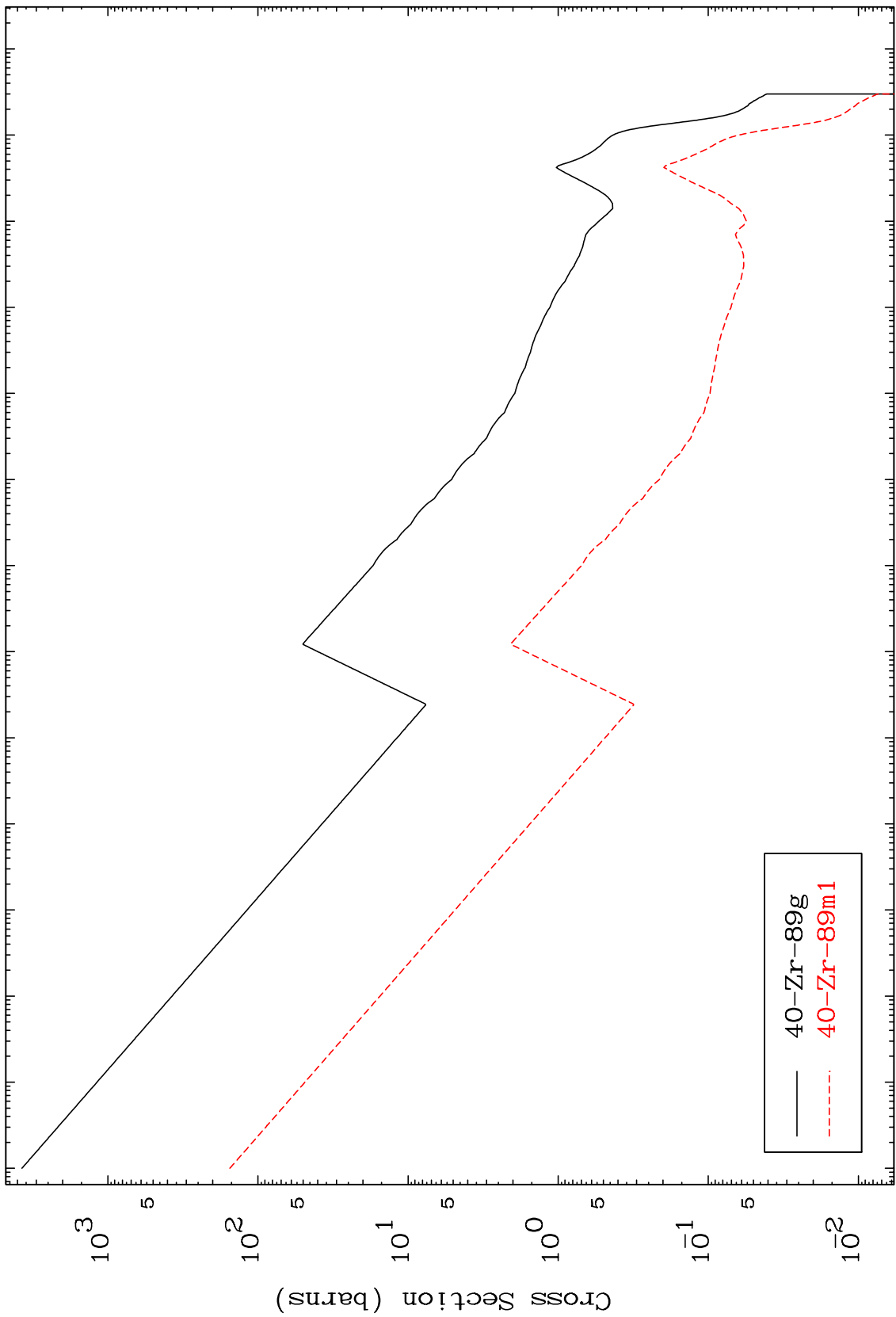
(n, γ)
Radionuclide Production Cross Section



MAT 4113

41-Nb-89

(n,p)
Radionuclide Production Cross Section



120

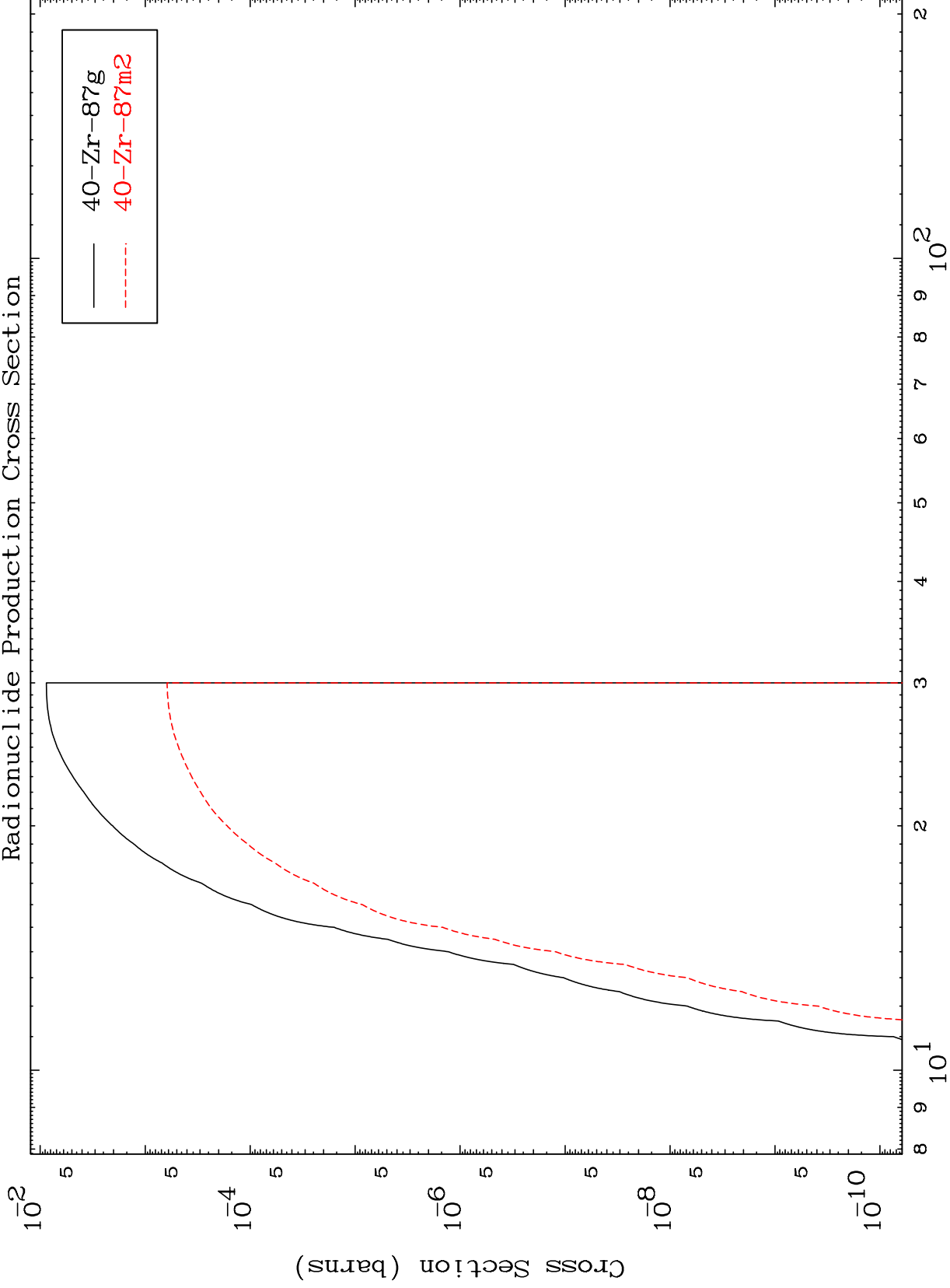
41-Nb-89

MAT 4113

(n, t)

41-Nb-89

Radionuclide Production Cross Section



121

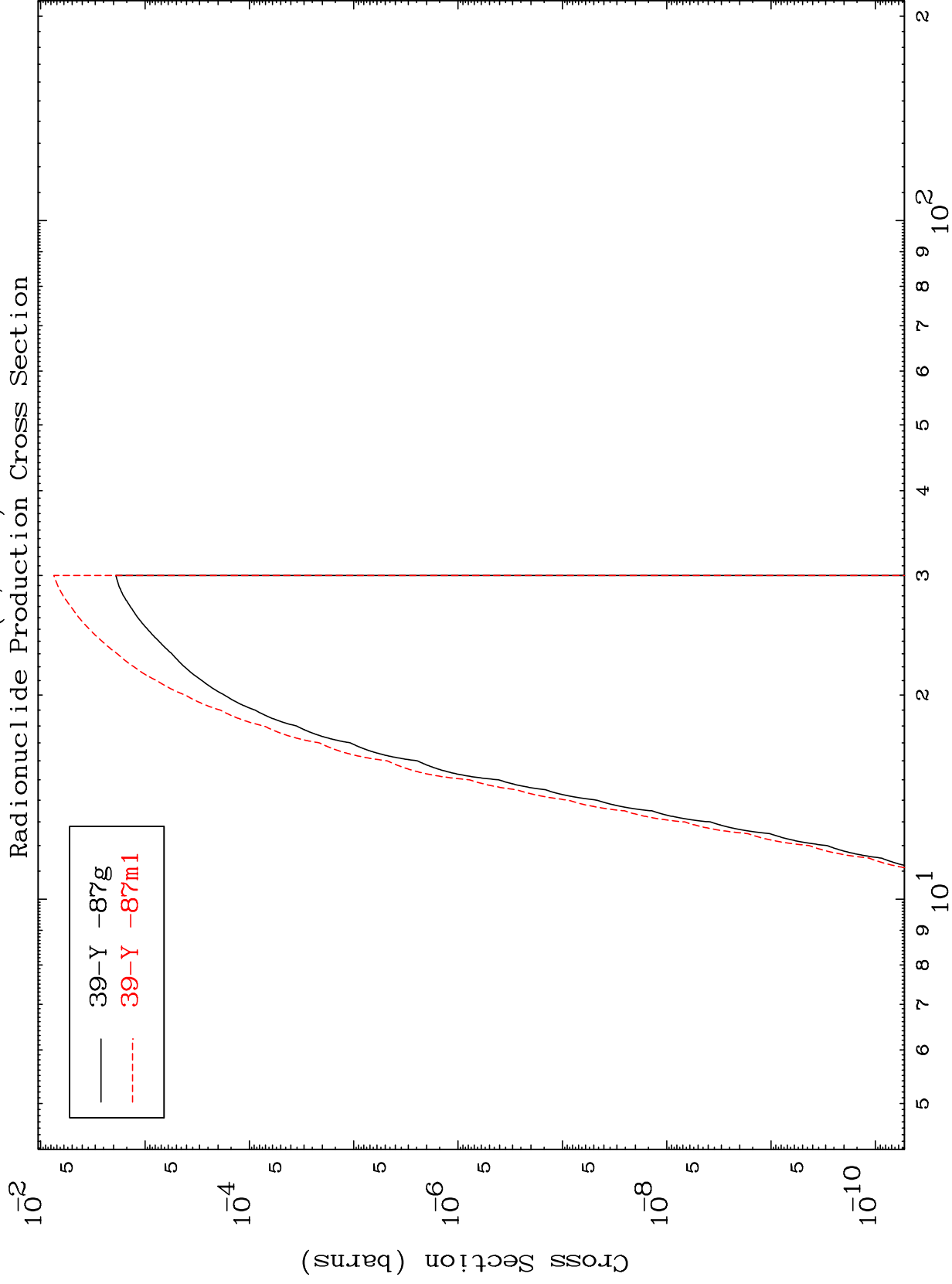
Incident Energy (MeV)

41-Nb-89

MAT 4113

(n,He-3)

41-Nb-89



122

Incident Energy (MeV)

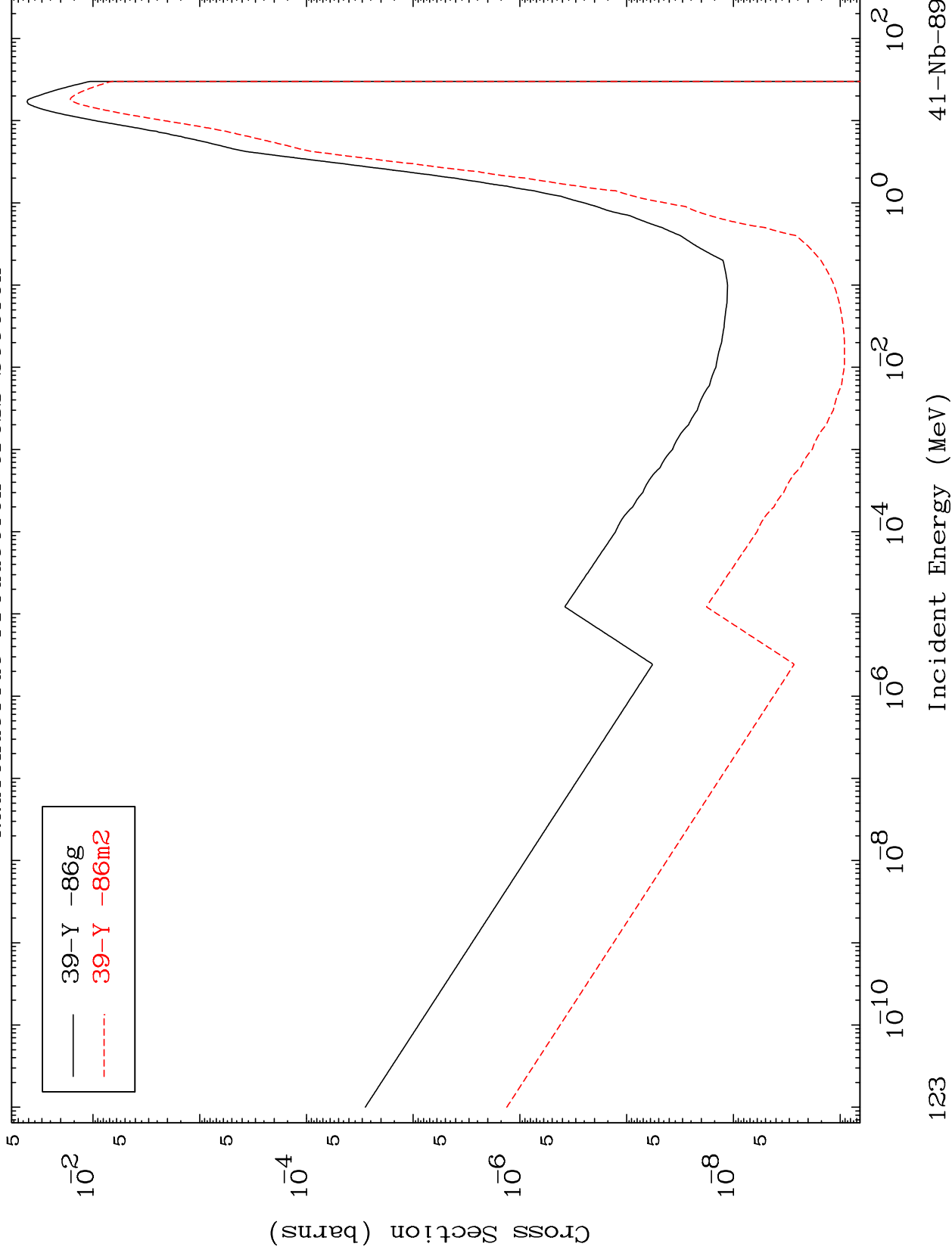
41-Nb-89

MAT 4113

(n, α)

41-Nb-89

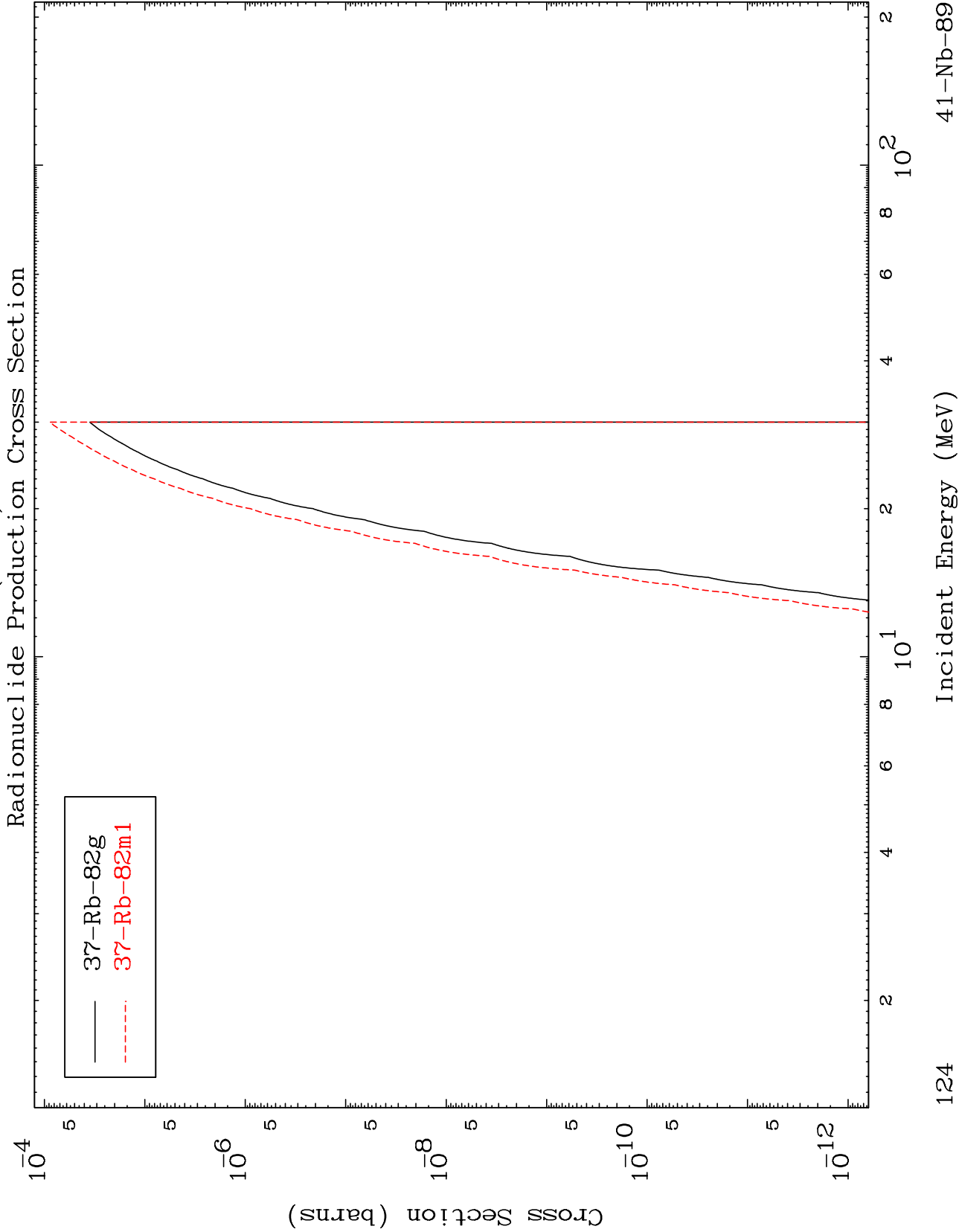
Radionuclide Production Cross Section



MAT 4113

(n,2α)

41-Nb-89



124

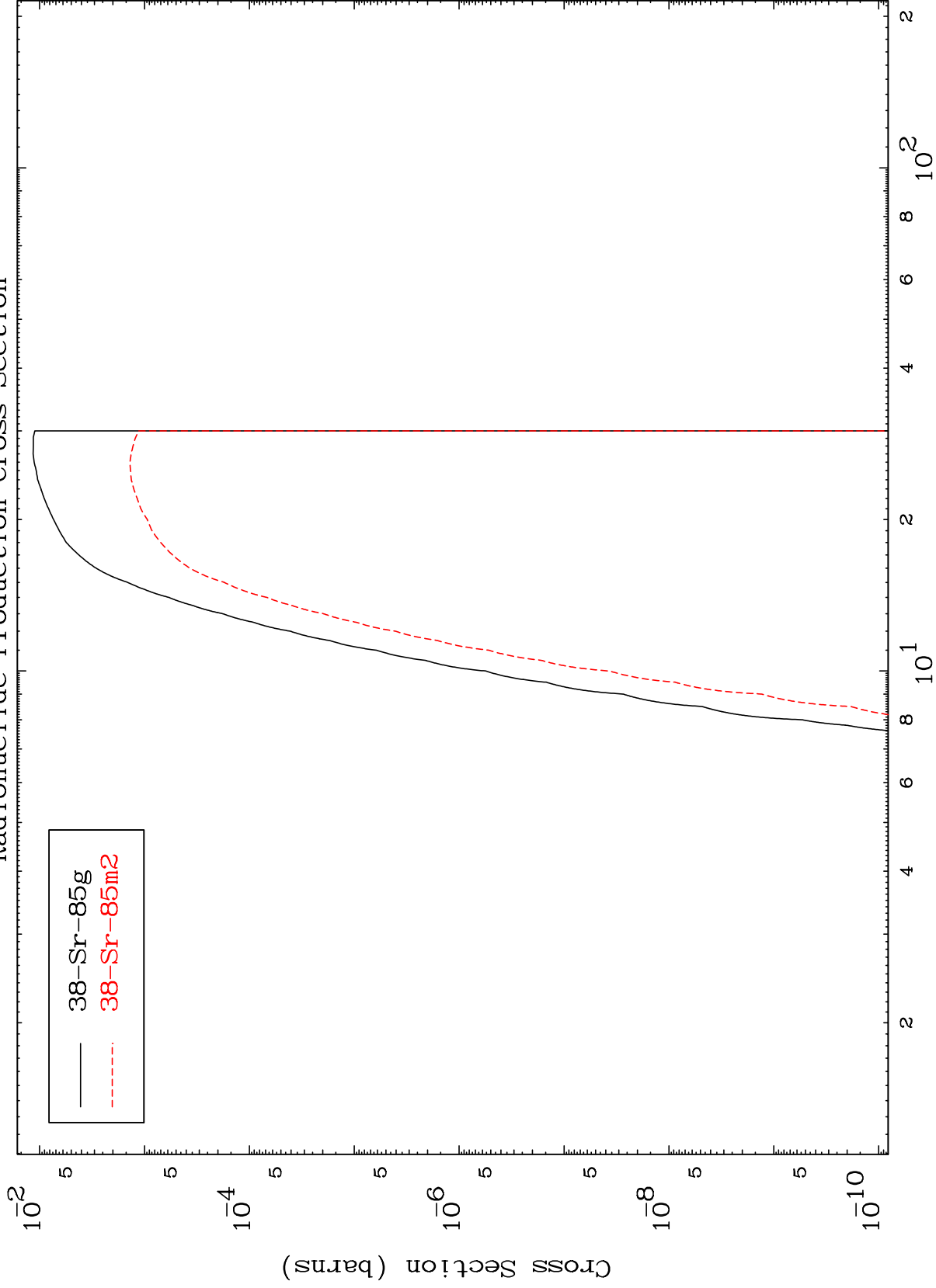
41-Nb-89

MAT 4113

(n,p) α

41-Nb-89

Radionuclide Production Cross Section



125

Incident Energy (MeV)

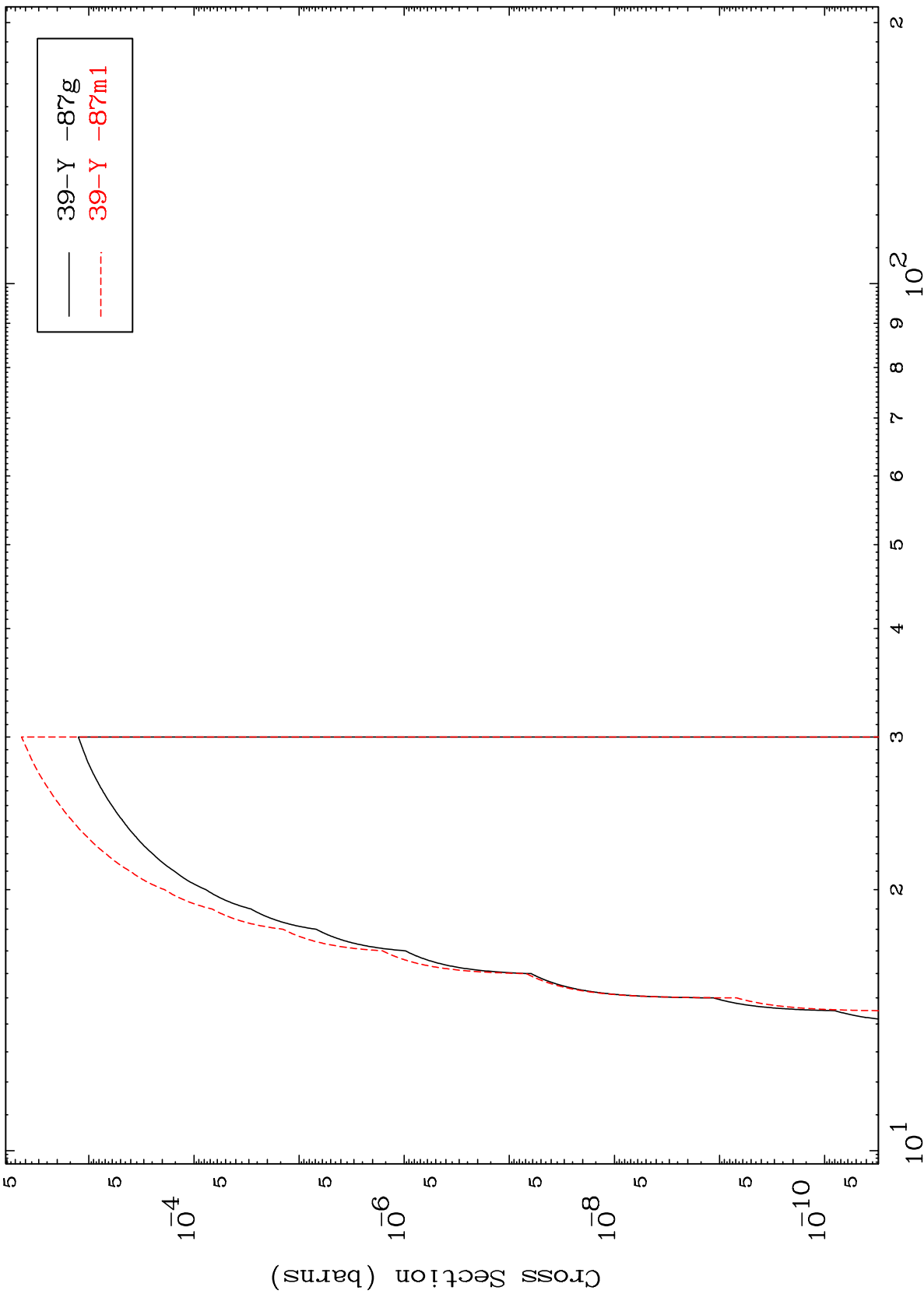
41-Nb-89

MAT 4113

(n,p) d

41-Nb-89

Radionuclide Production Cross Section



39-Y -87g
39-Y -87m1

126

Incident Energy (MeV)

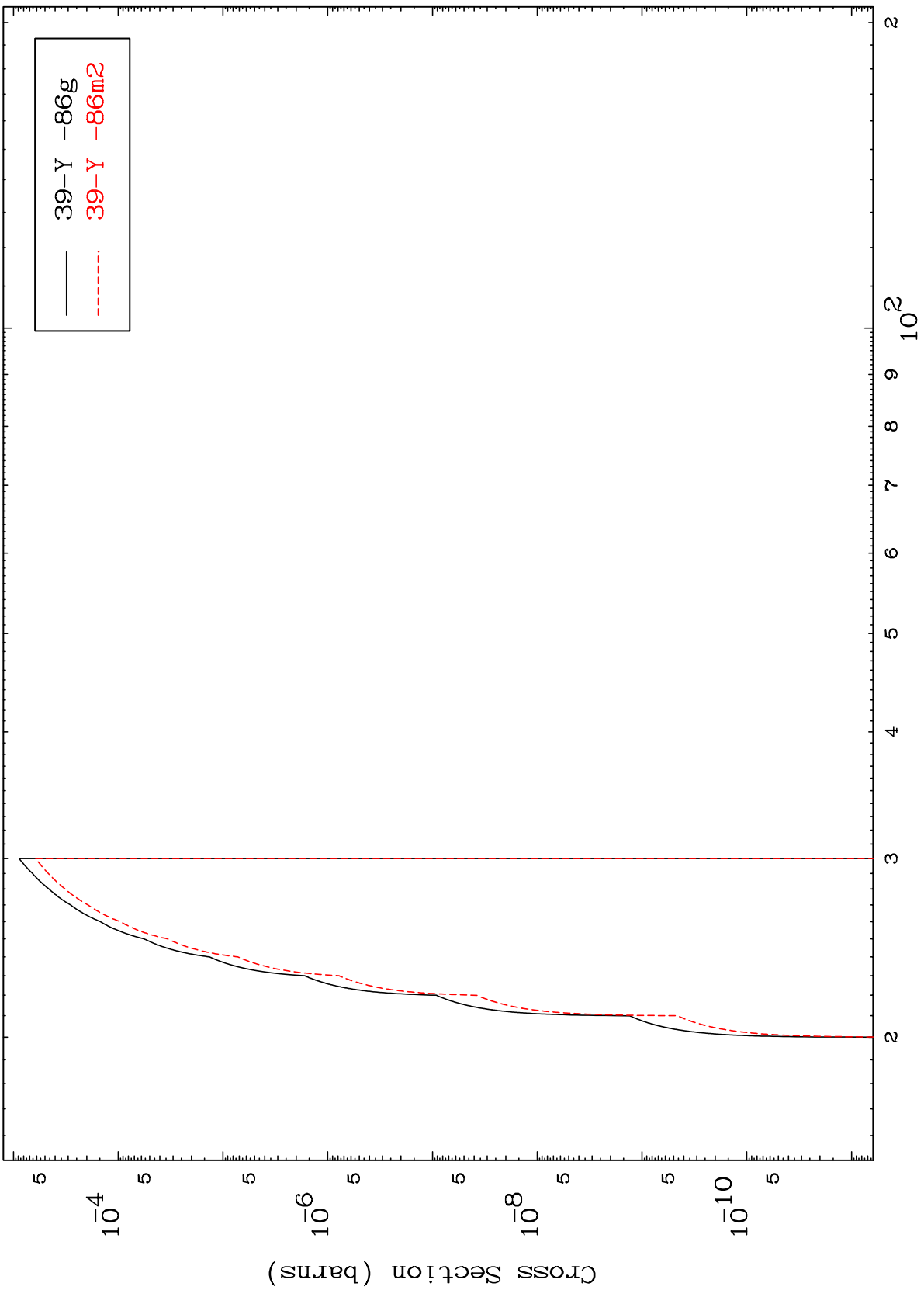
41-Nb-89

MAT 4113

(n,p) t

41-Nb-89

Radionuclide Production Cross Section



127

Incident Energy (MeV)

41-Nb-89