

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

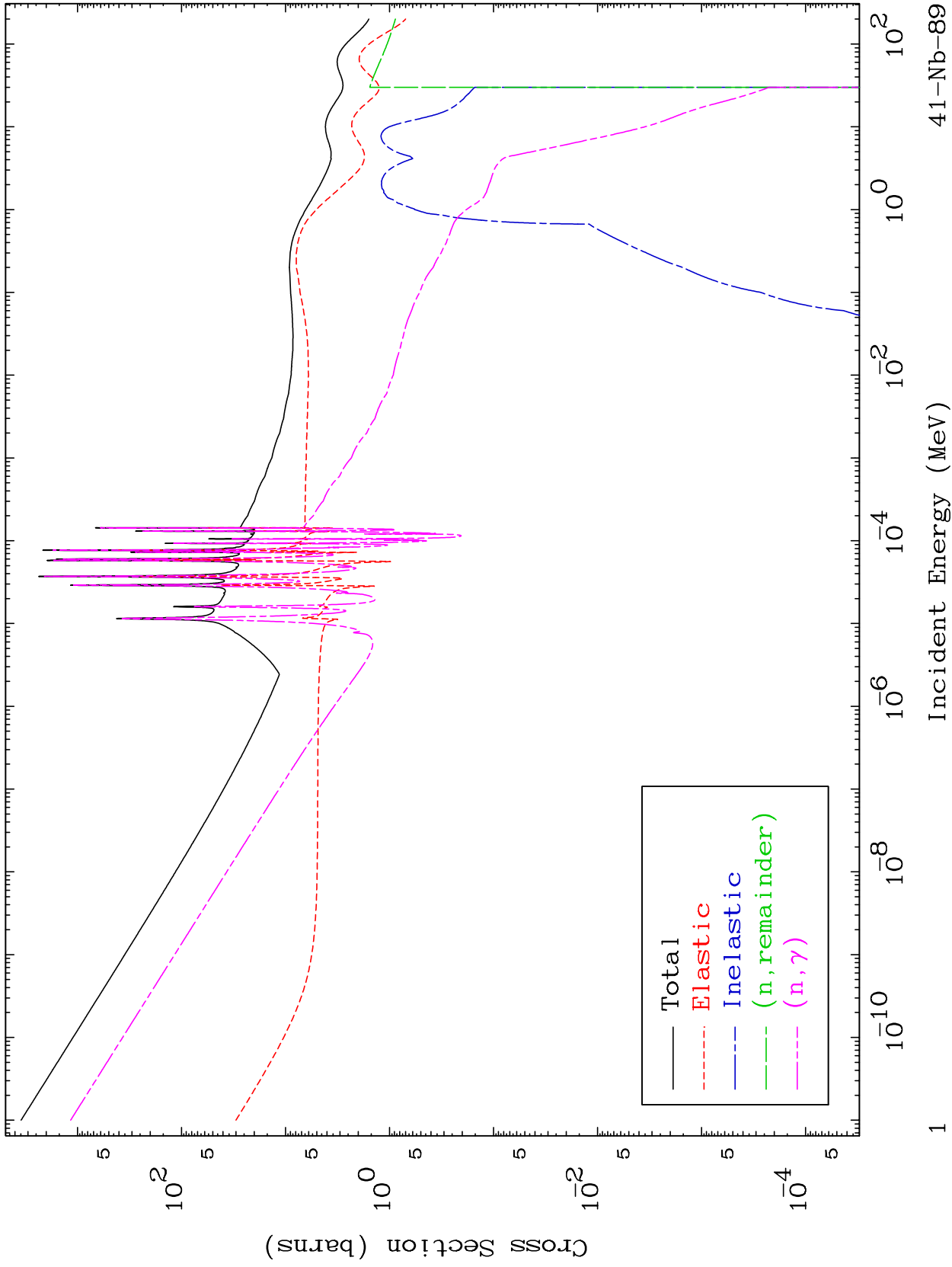
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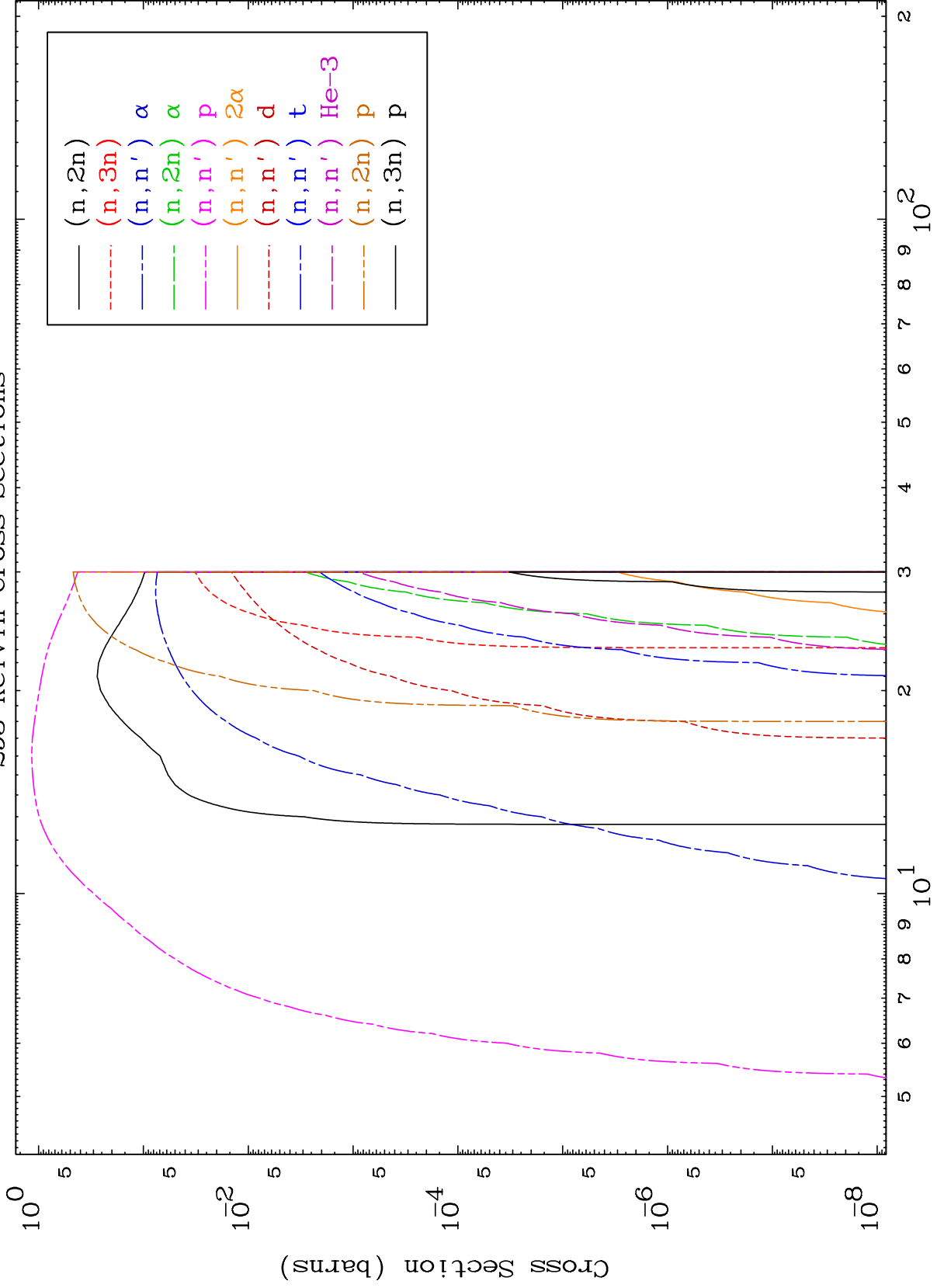
Press Mouse Button to Start

MAT 4113

Major
293 Kelvin Cross Sections

41-Nb-89

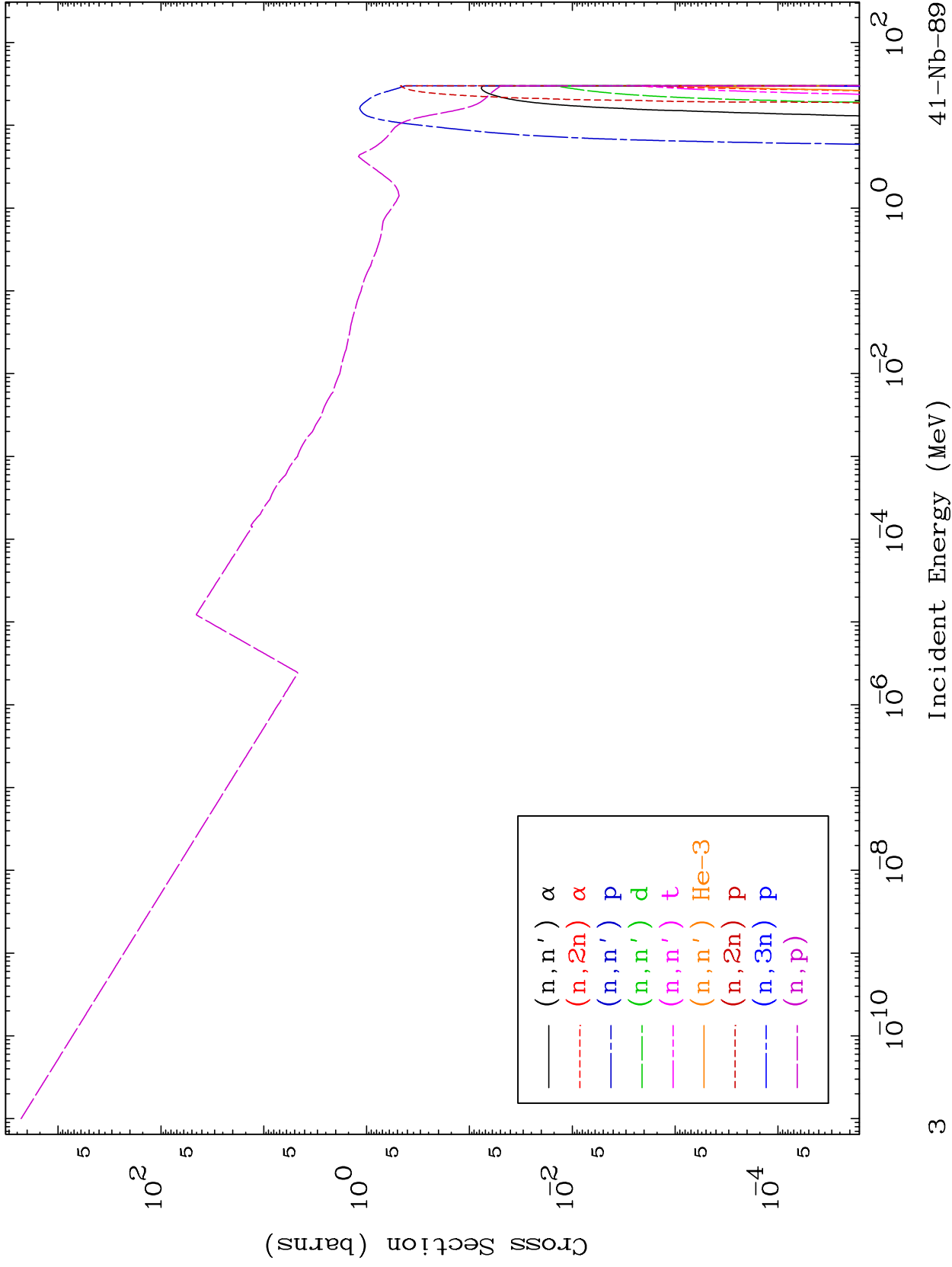




MAT 4113

Charged Particle
293 Kelvin Cross Sections

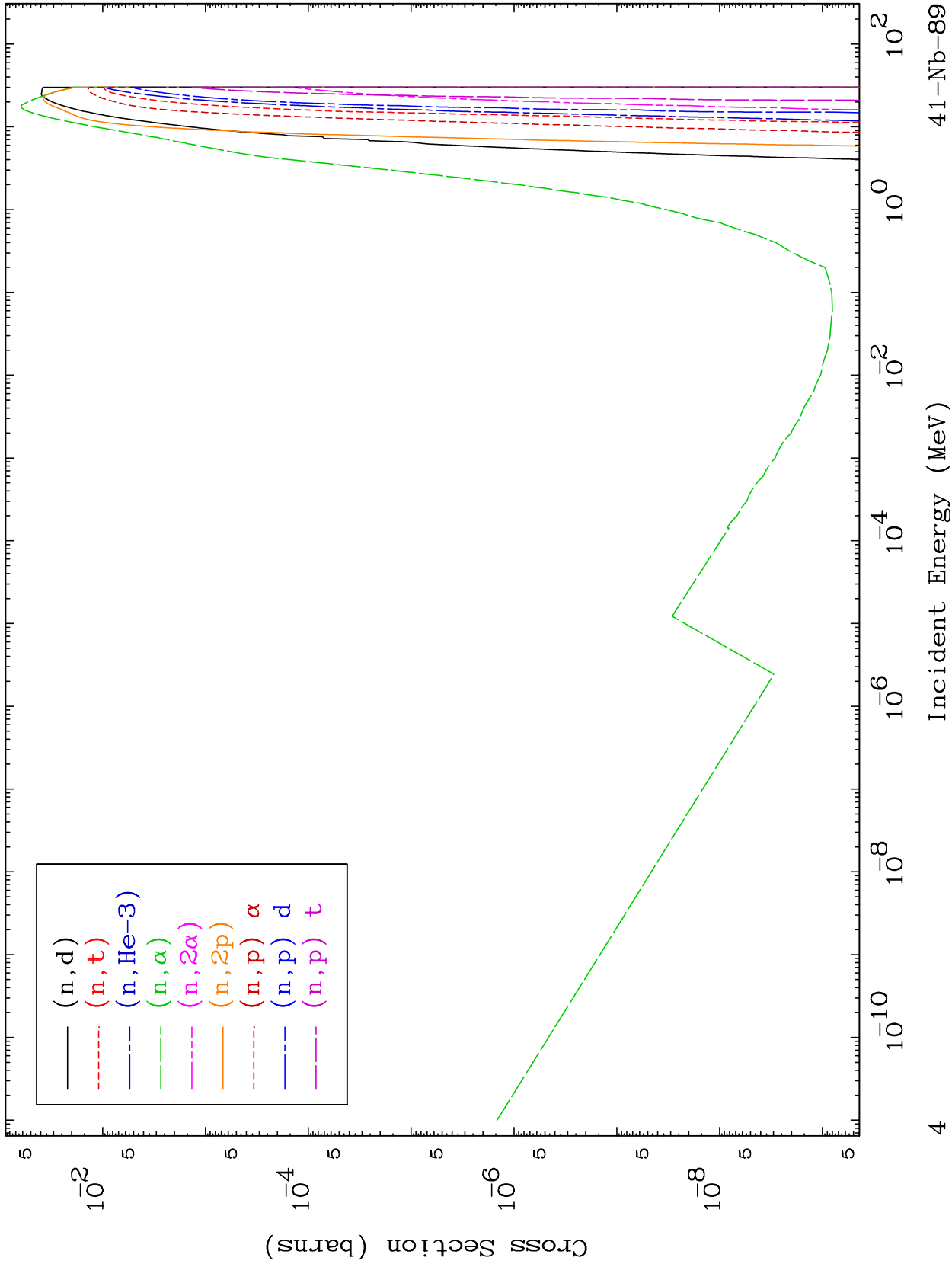
41-Nb-89



MAT 4113

Charged Particle
293 Kelvin Cross Sections

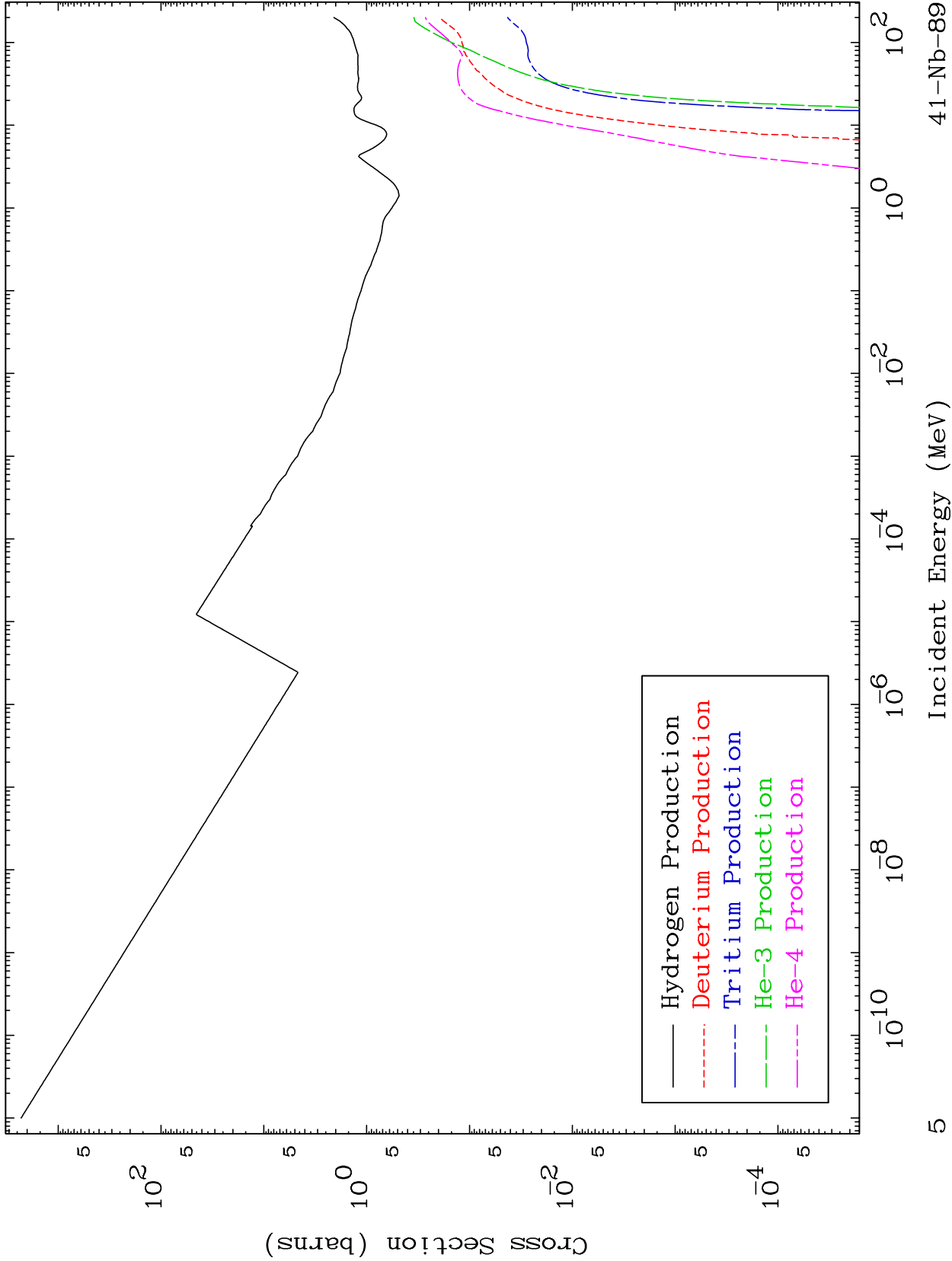
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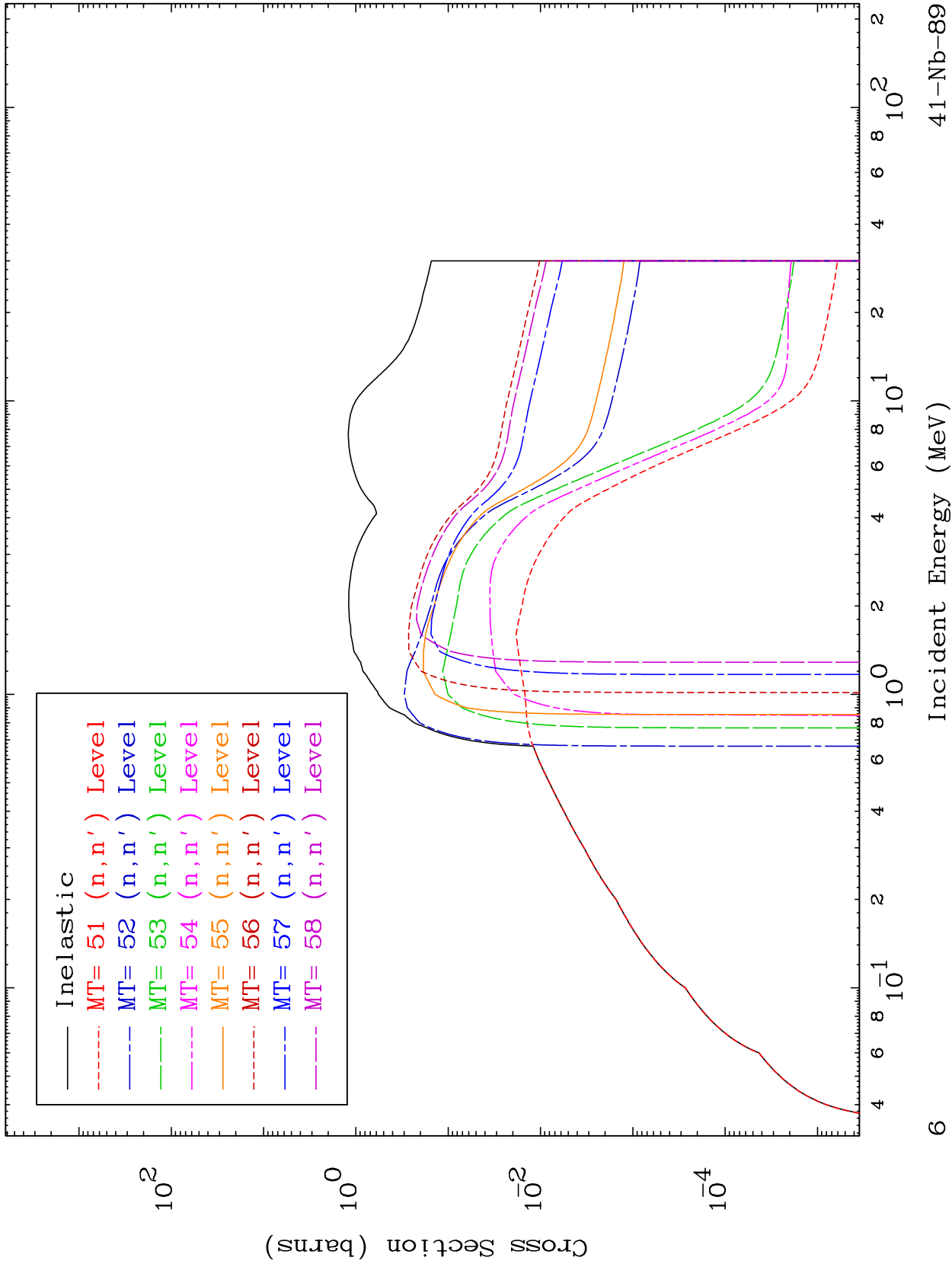


MAT 4113

Particle Production
293 Kelvin Cross Sections

41-Nb-89



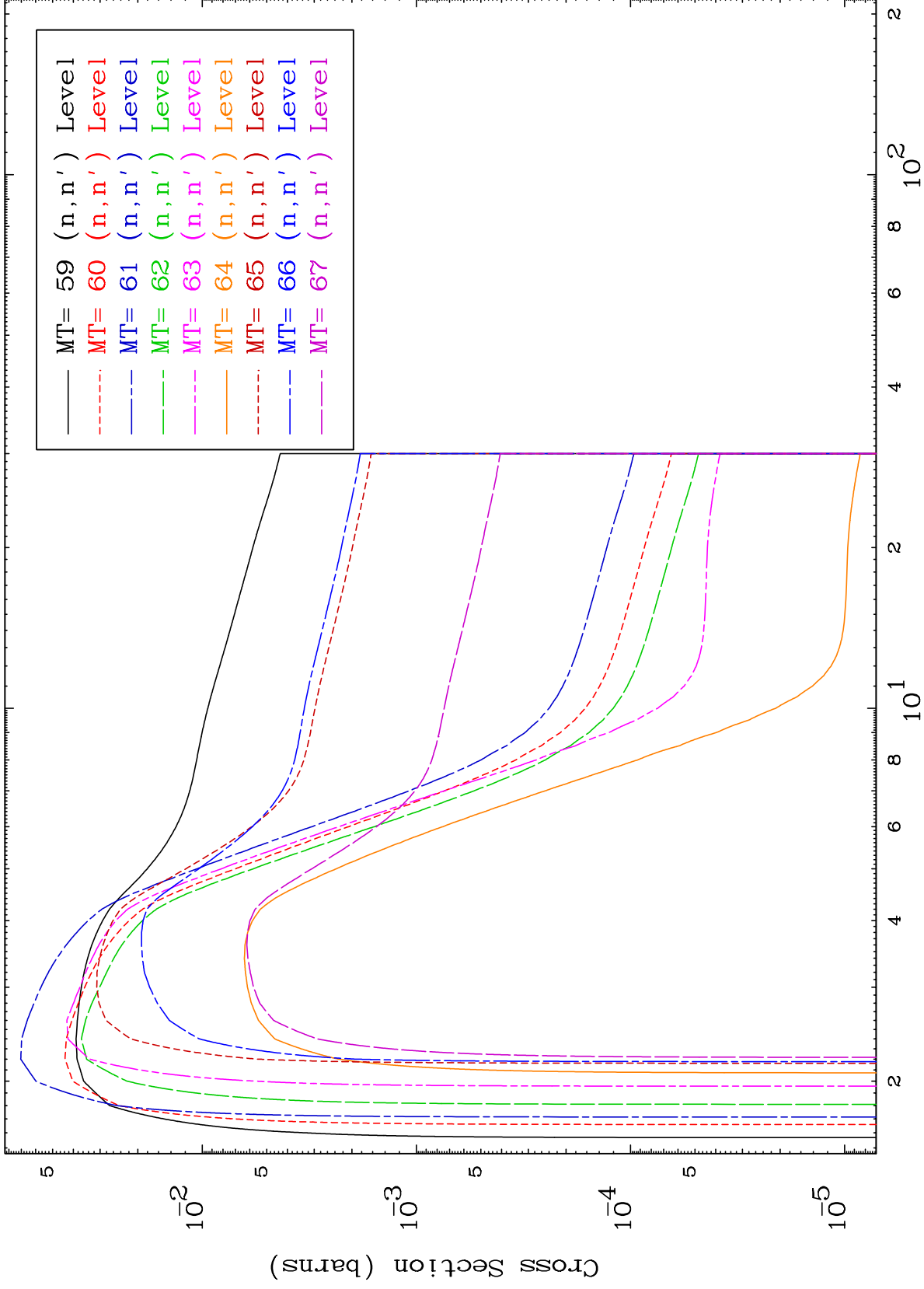


MAT 4113

(n,n') Level

41-Nb-89

293 Kelvin Cross Sections

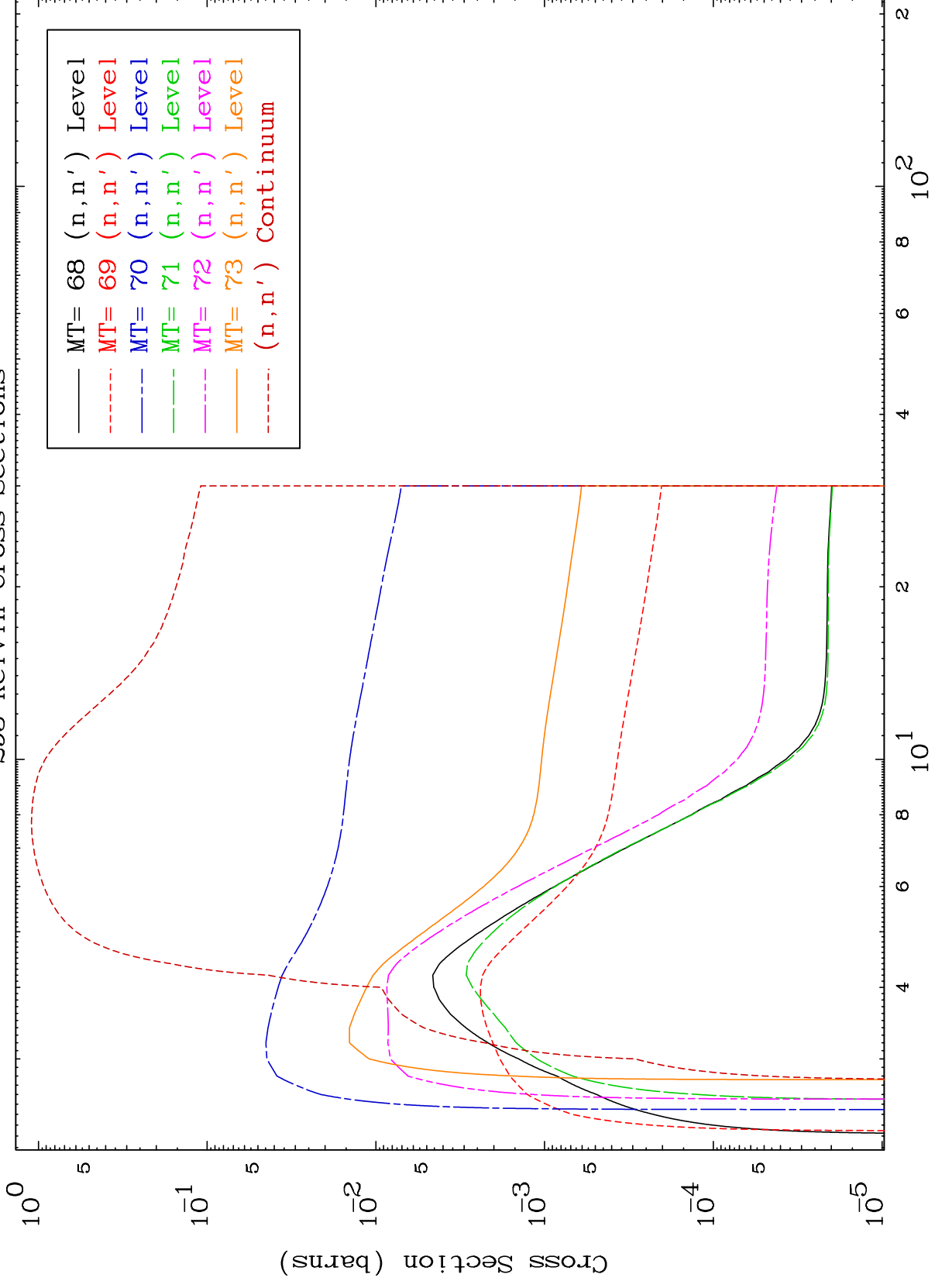


7

Incident Energy (MeV)

41-Nb-89

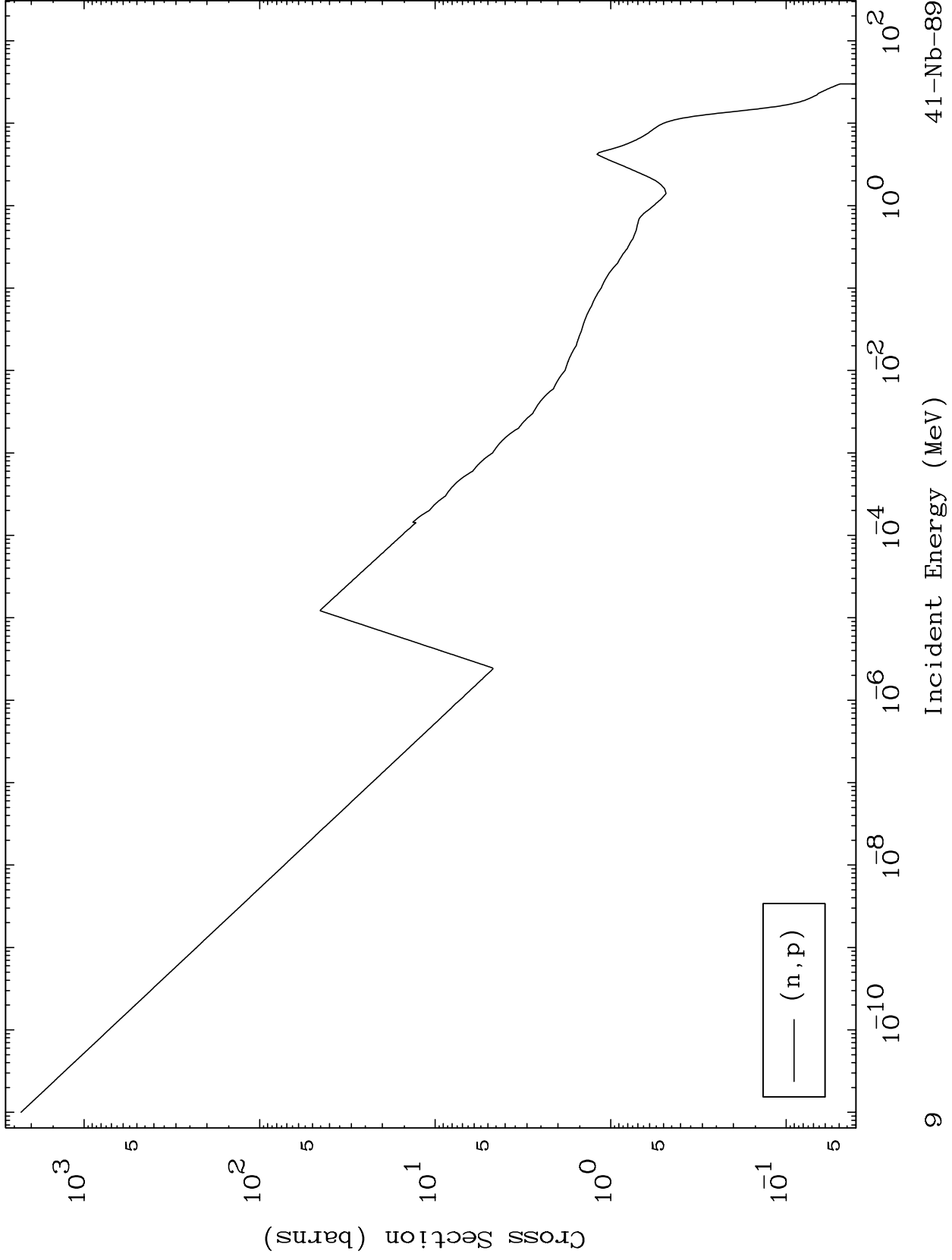
293 Kelvin Cross Sections



MAT 4113

(n,p) Levels
293 Kelvin Cross Sections

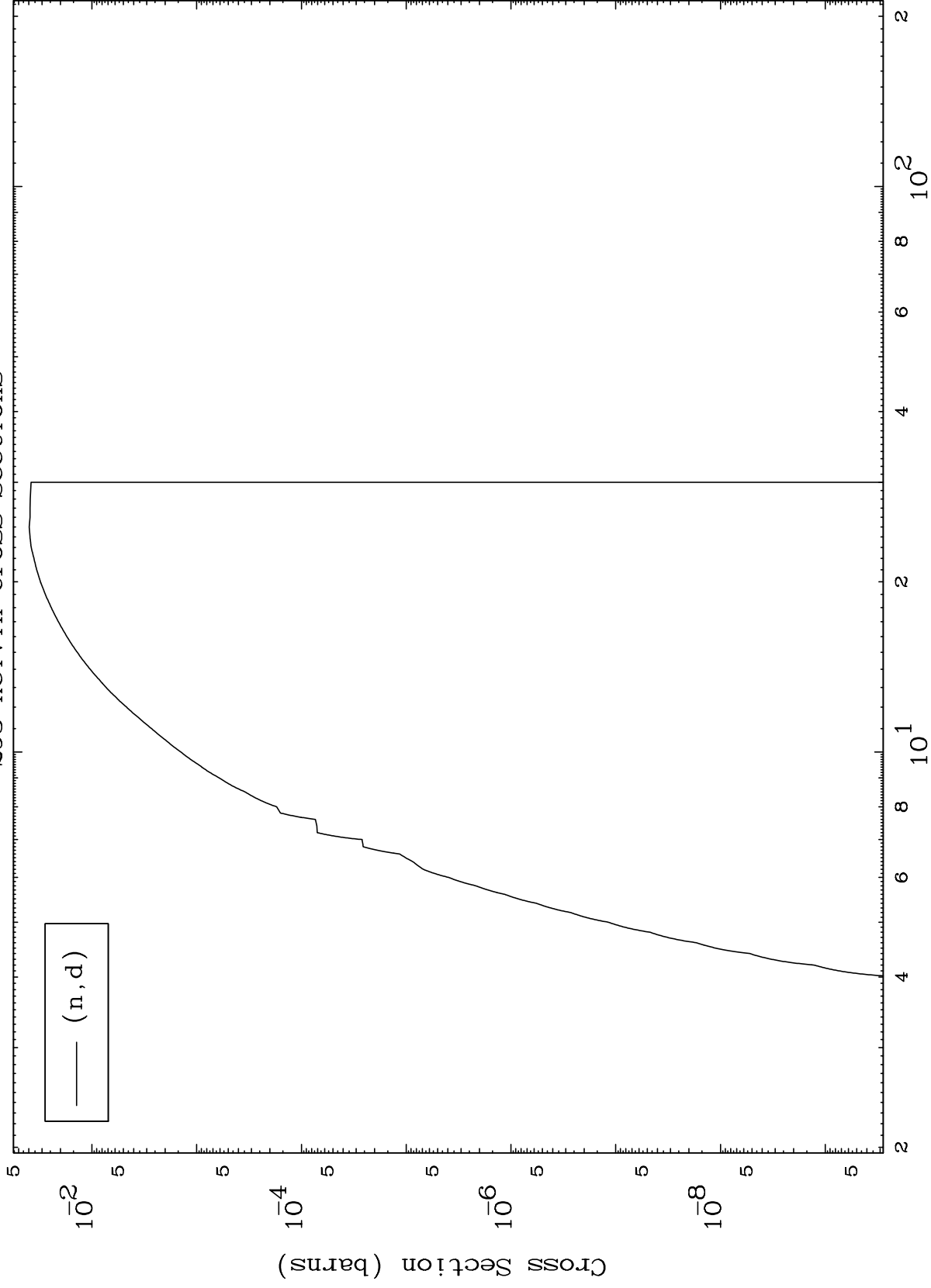
41-Nb-89



MAT 4113

(n,d) Levels
293 Kelvin Cross Sections

41-Nb-89



10

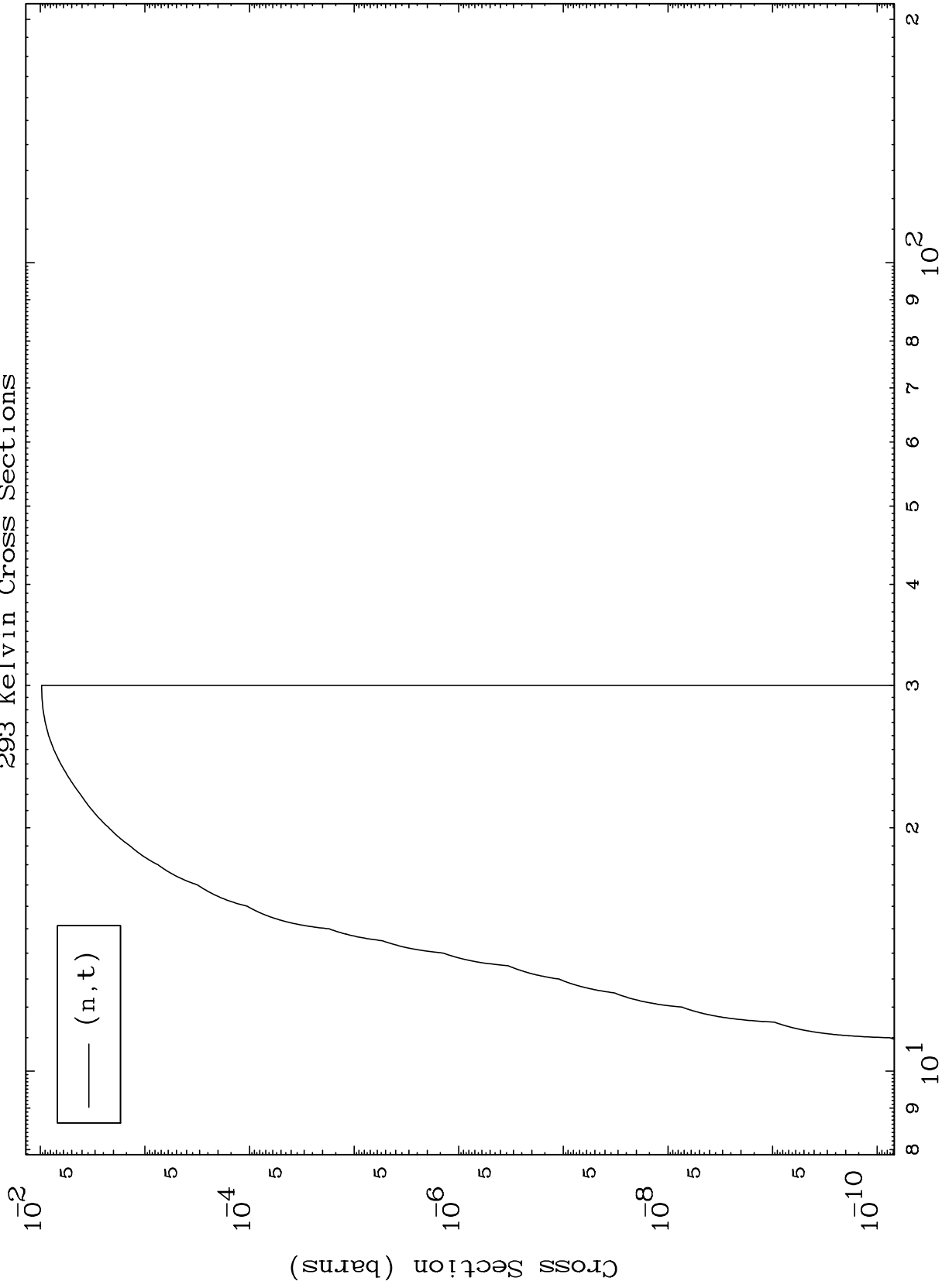
Incident Energy (MeV)

41-Nb-89

MAT 4113

(n,t) Levels
293 Kelvin Cross Sections

41-Nb-89



11

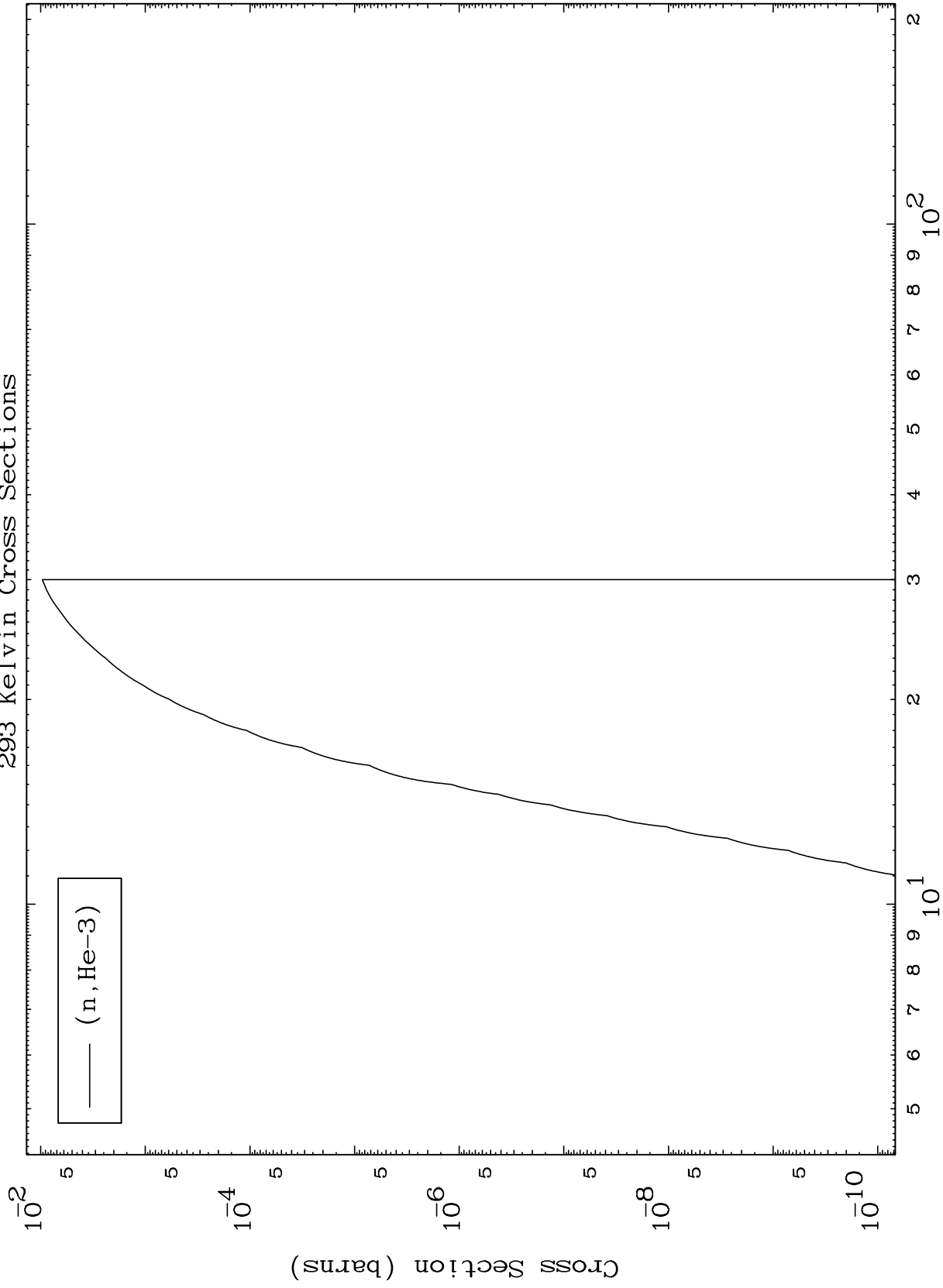
Incident Energy (MeV)

41-Nb-89

MAT 4113

(n,He3) Levels
293 Kelvin Cross Sections

41-Nb-89



12

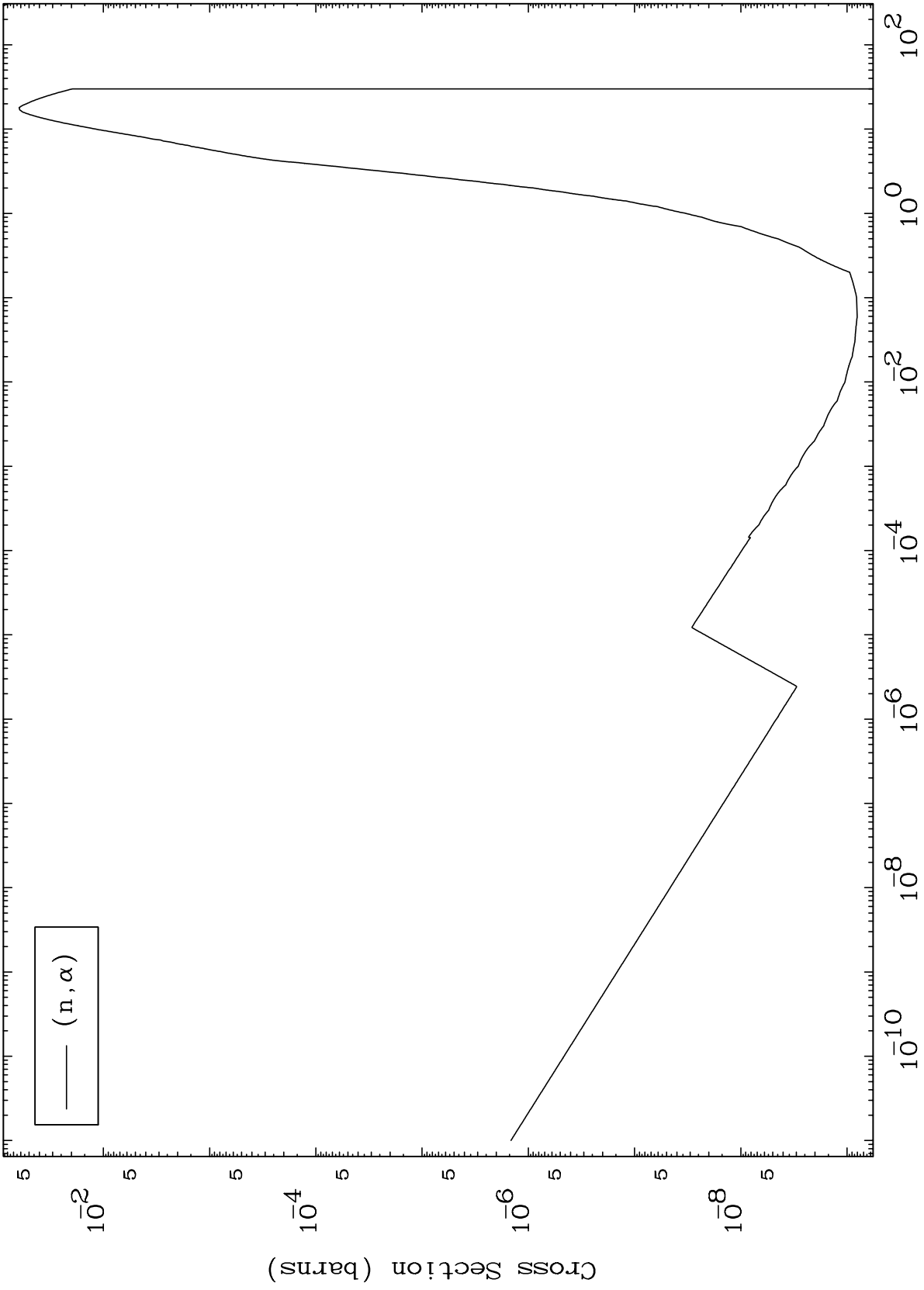
Incident Energy (MeV)

41-Nb-89

MAT 4113

(n, α) Levels
293 Kelvin Cross Sections

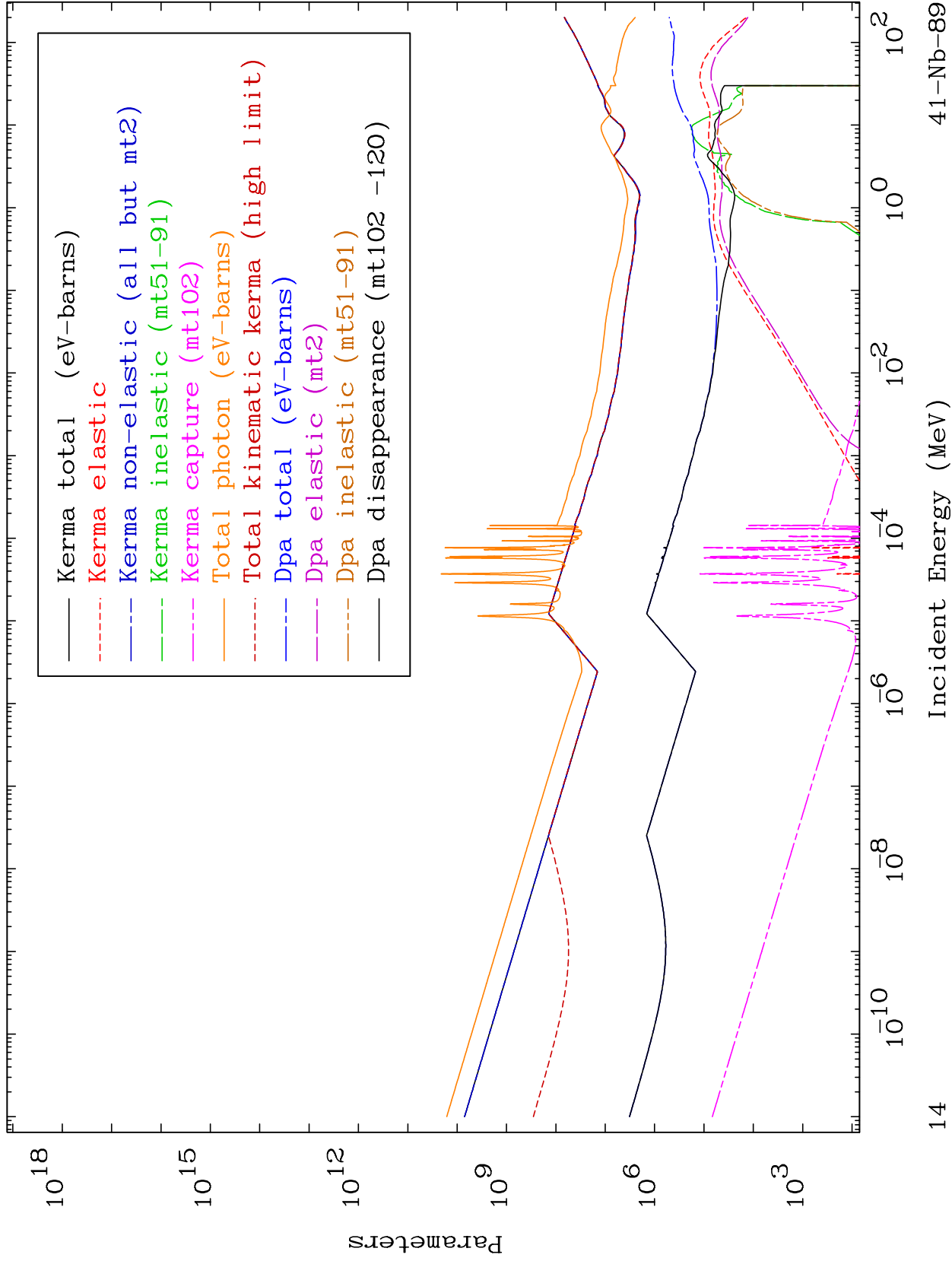
41-Nb-89



13

Incident Energy (MeV)

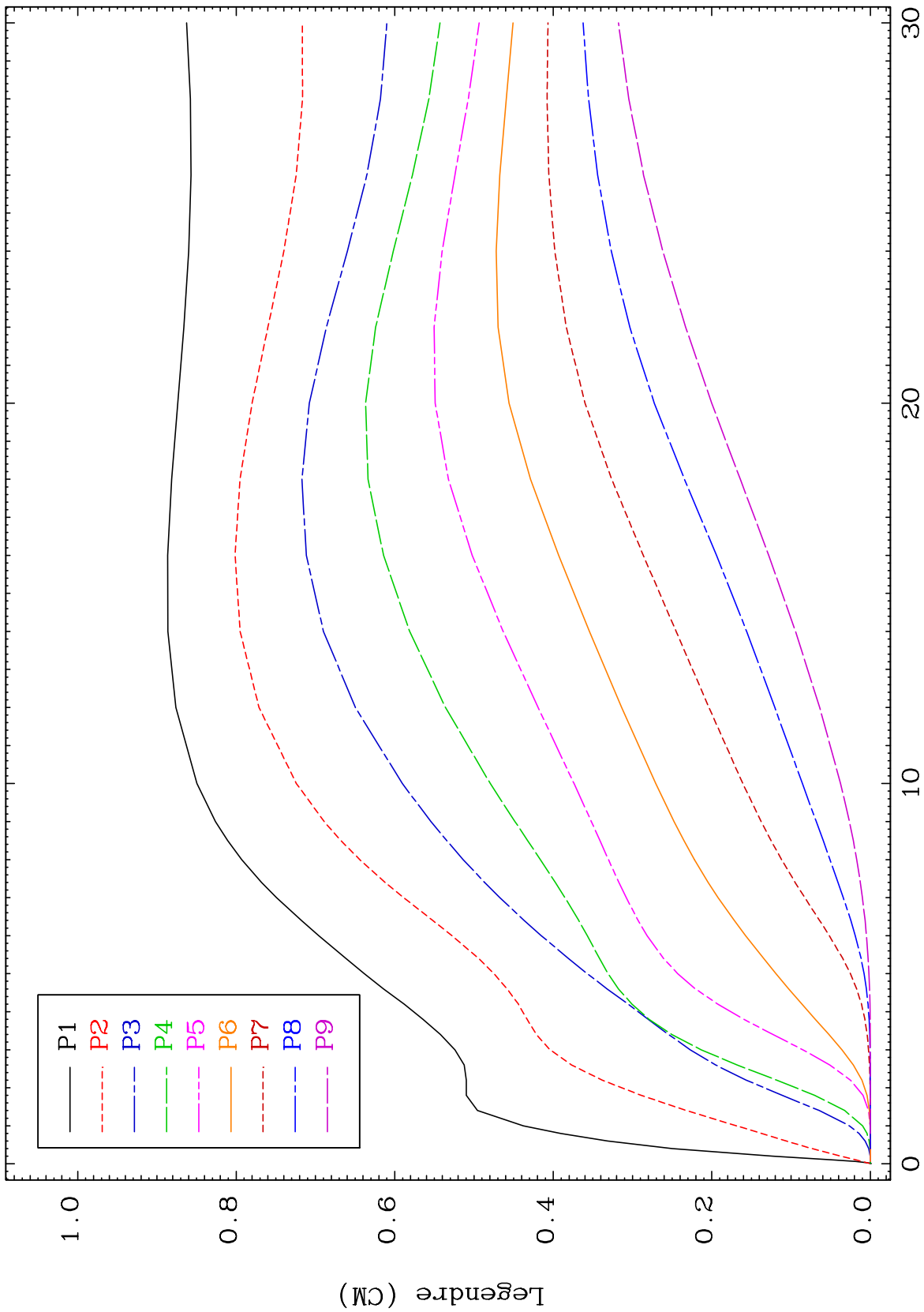
41-Nb-89



MAT 4113

Elastic Legendre Coefficients

41-Nb-89



15

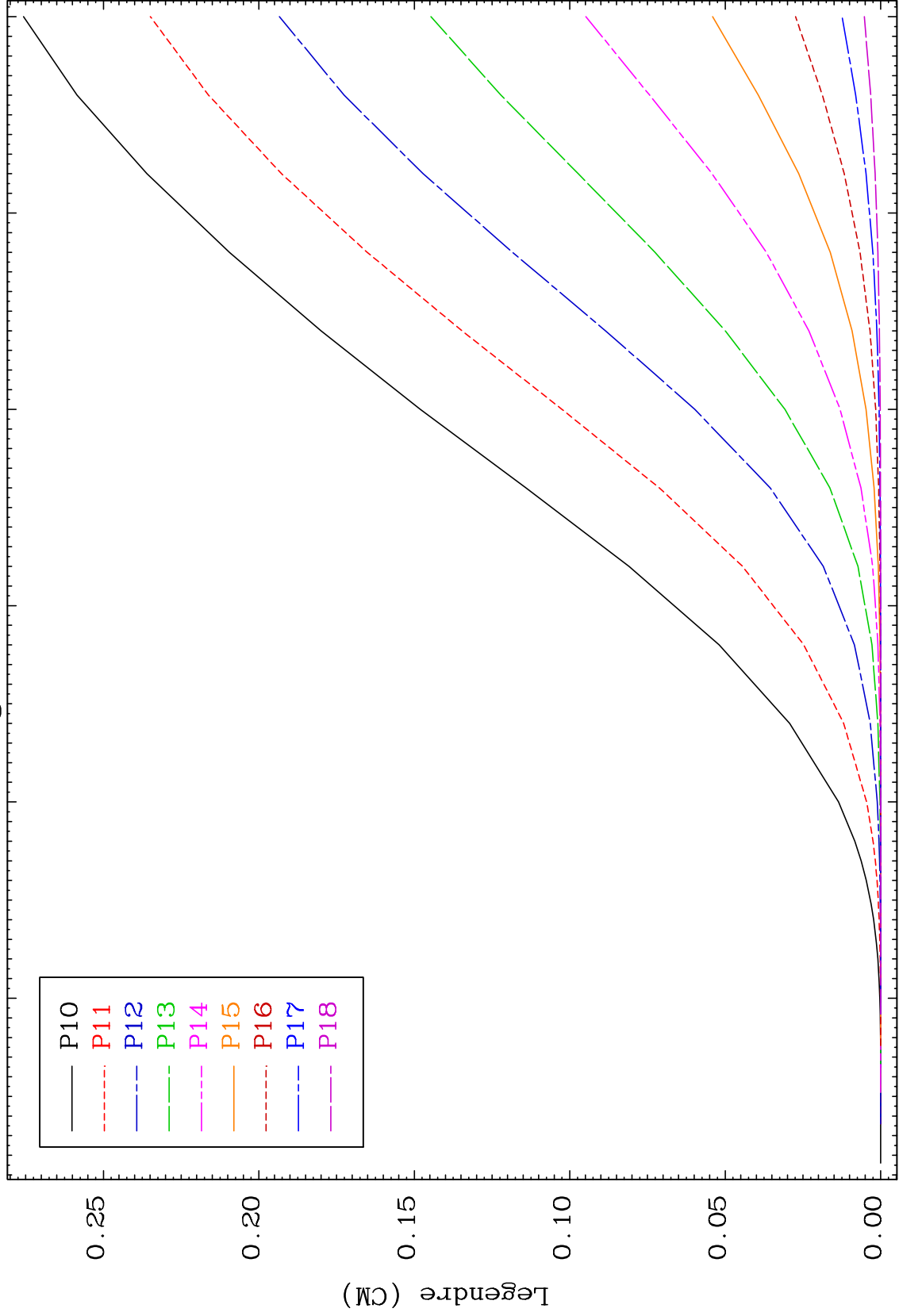
Incident Energy (MeV)

41-Nb-89

MAT 4113

Elastic
Legendre Coefficients

41-Nb-89



16

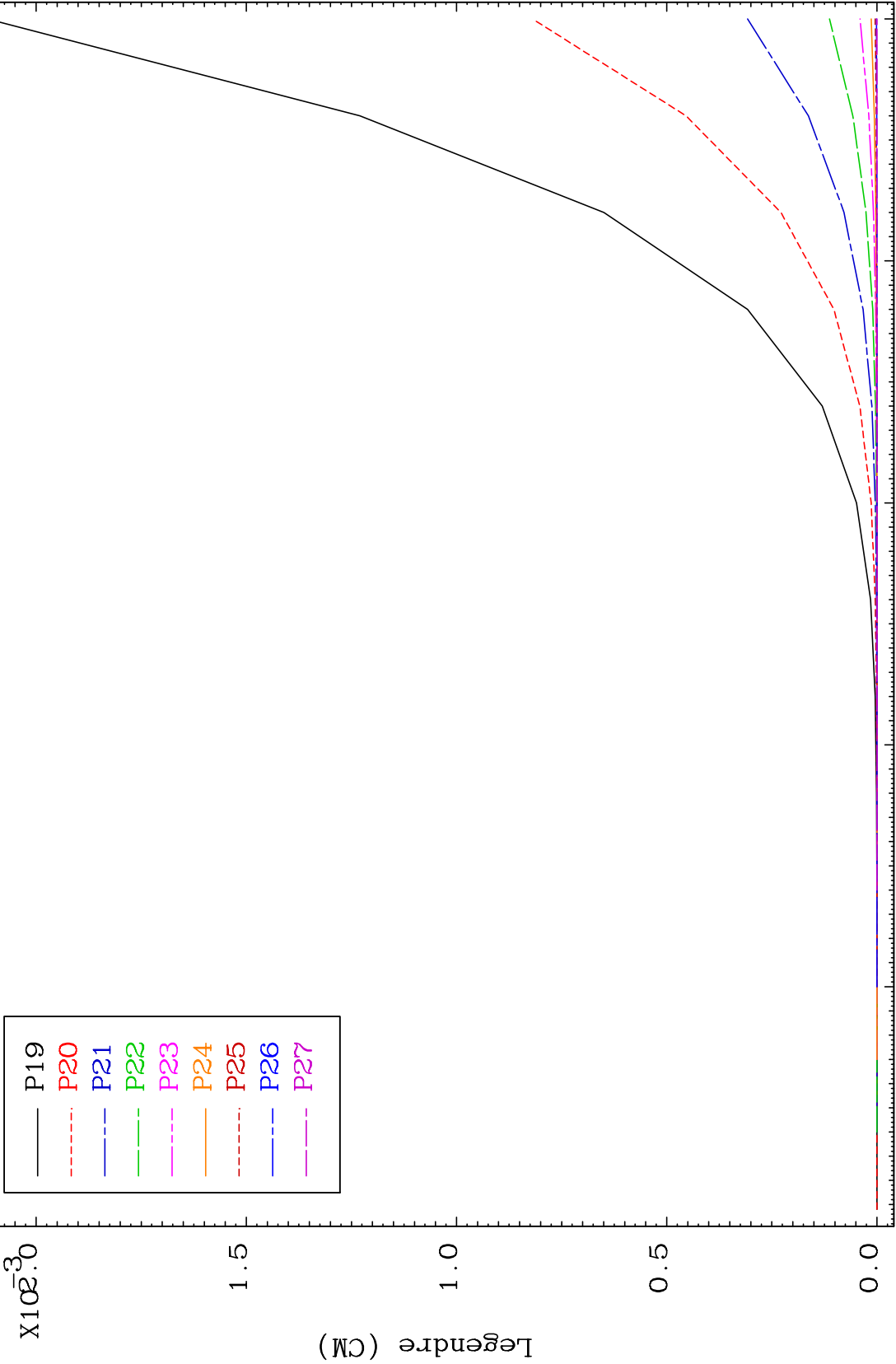
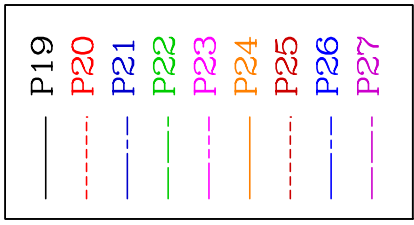
Incident Energy (MeV)

41-Nb-89

MAT 4113

Elastic Legendre Coefficients

41-Nb-89



17

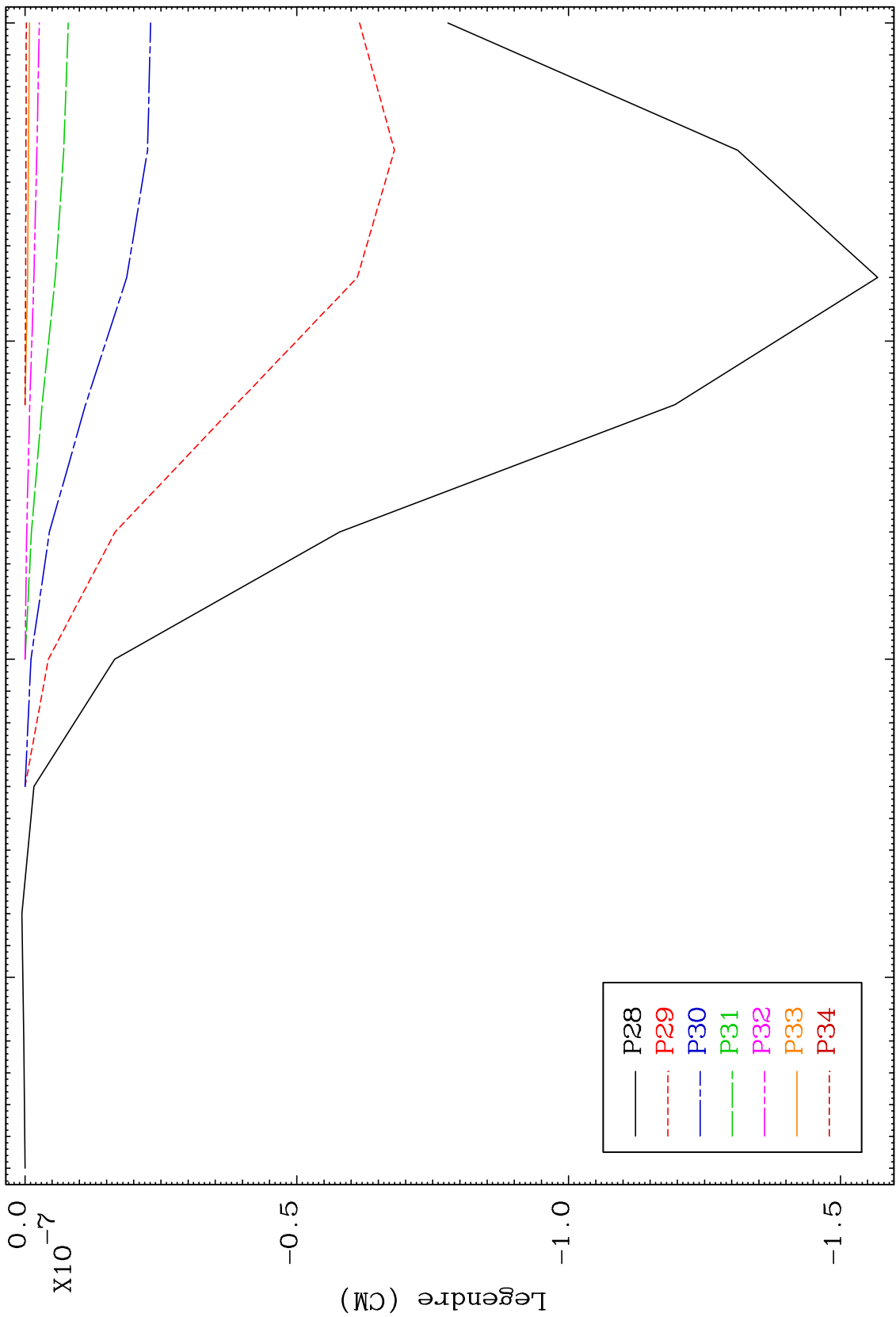
Incident Energy (MeV)

41-Nb-89

MAT 4113

41-Nb-89

Elastic Legendre Coefficients



18

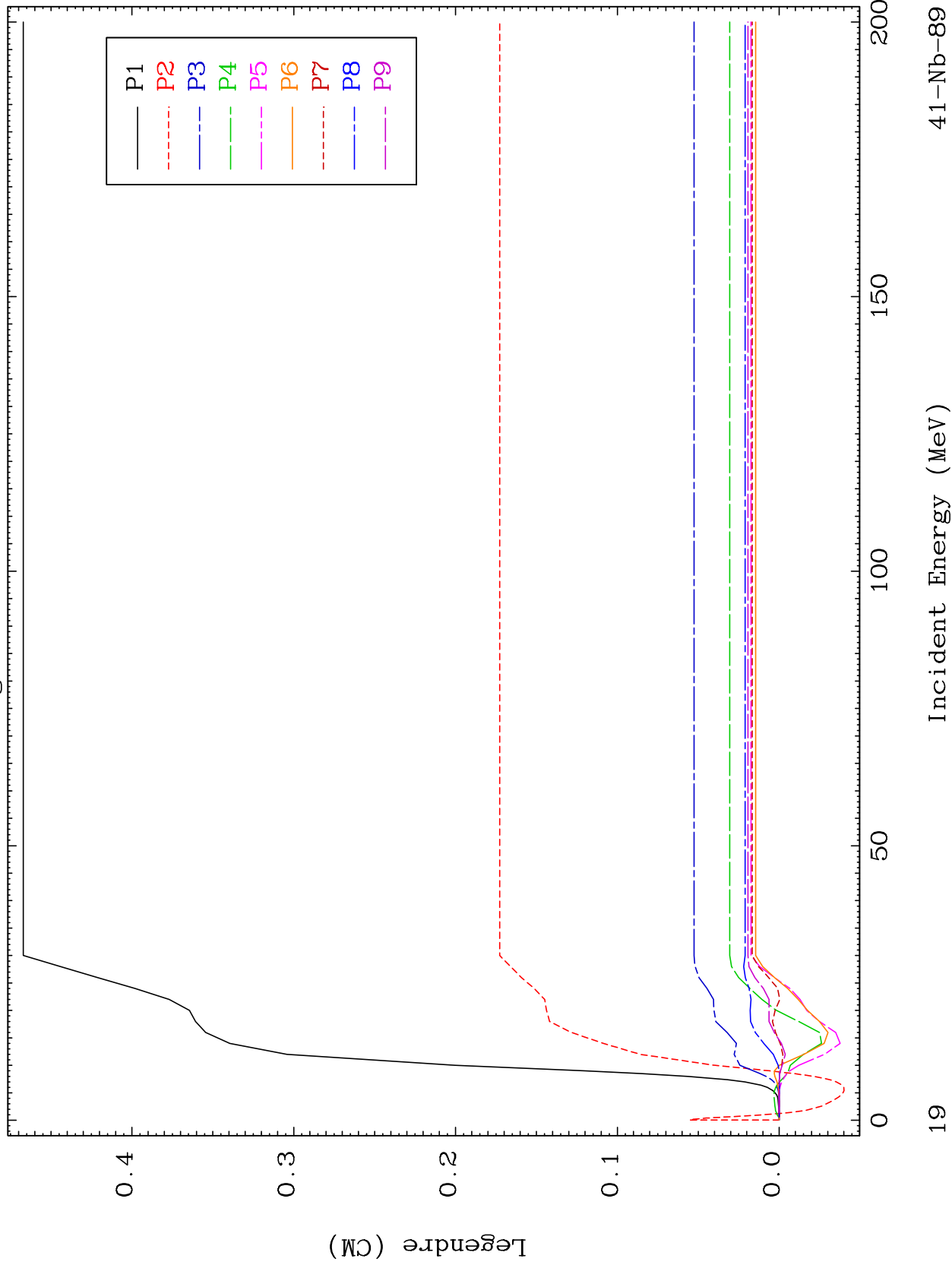
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

41-Nb-89



41-Nb-89

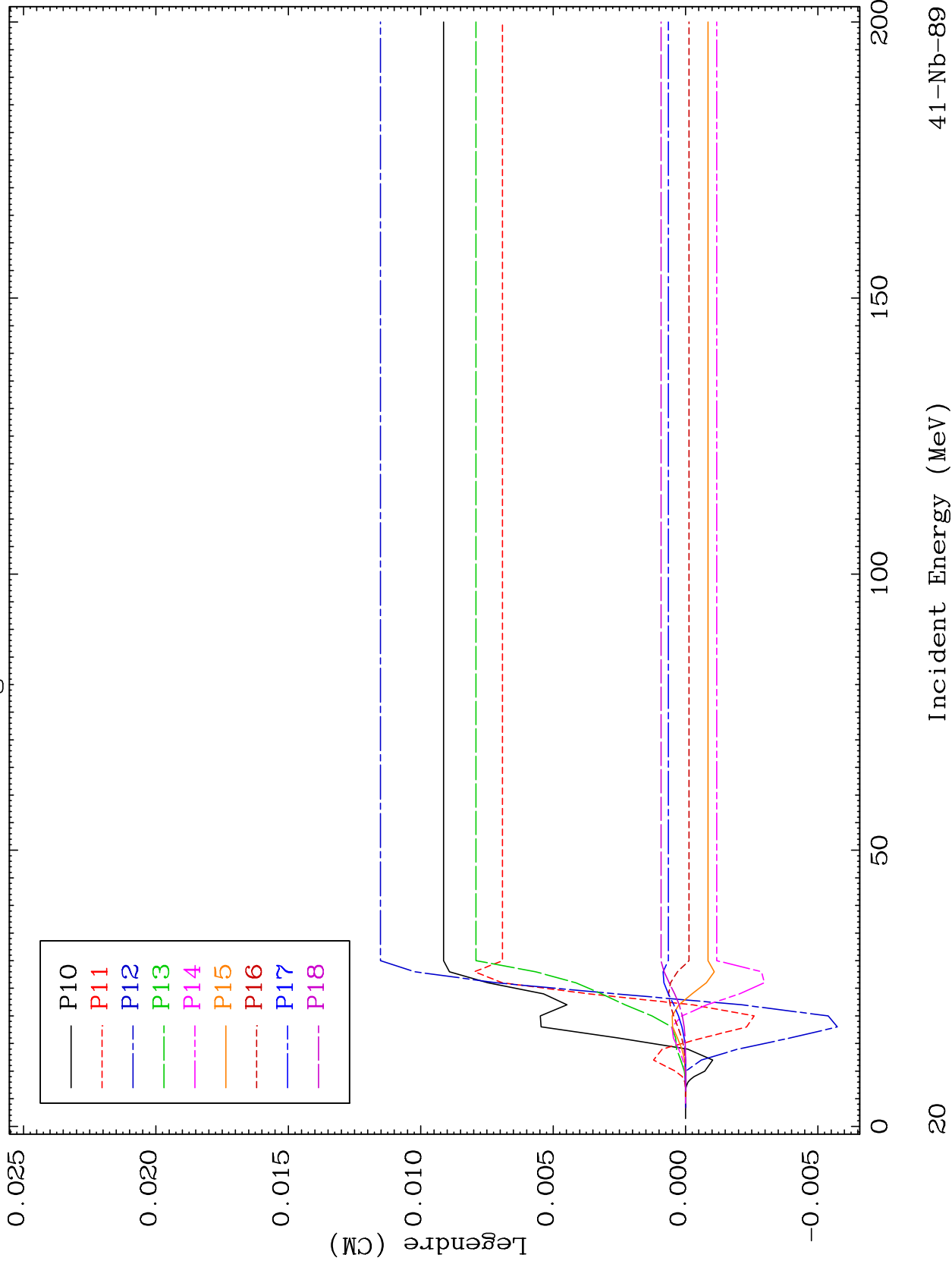
Incident Energy (MeV)

19

MAT 4113

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

41-Nb-89



41-Nb-89

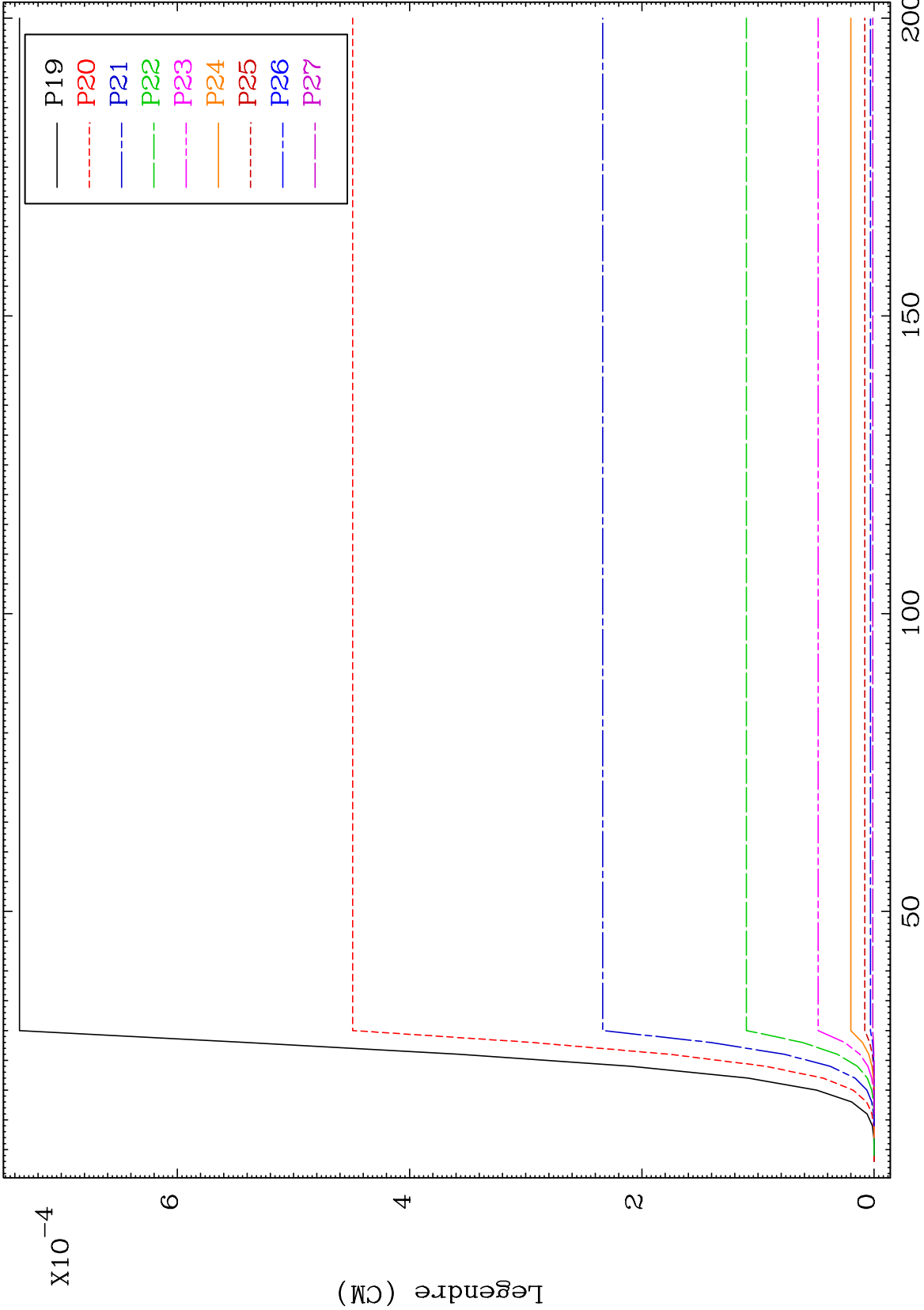
Incident Energy (MeV)

20

MAT 4113

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

41-Nb-89



21

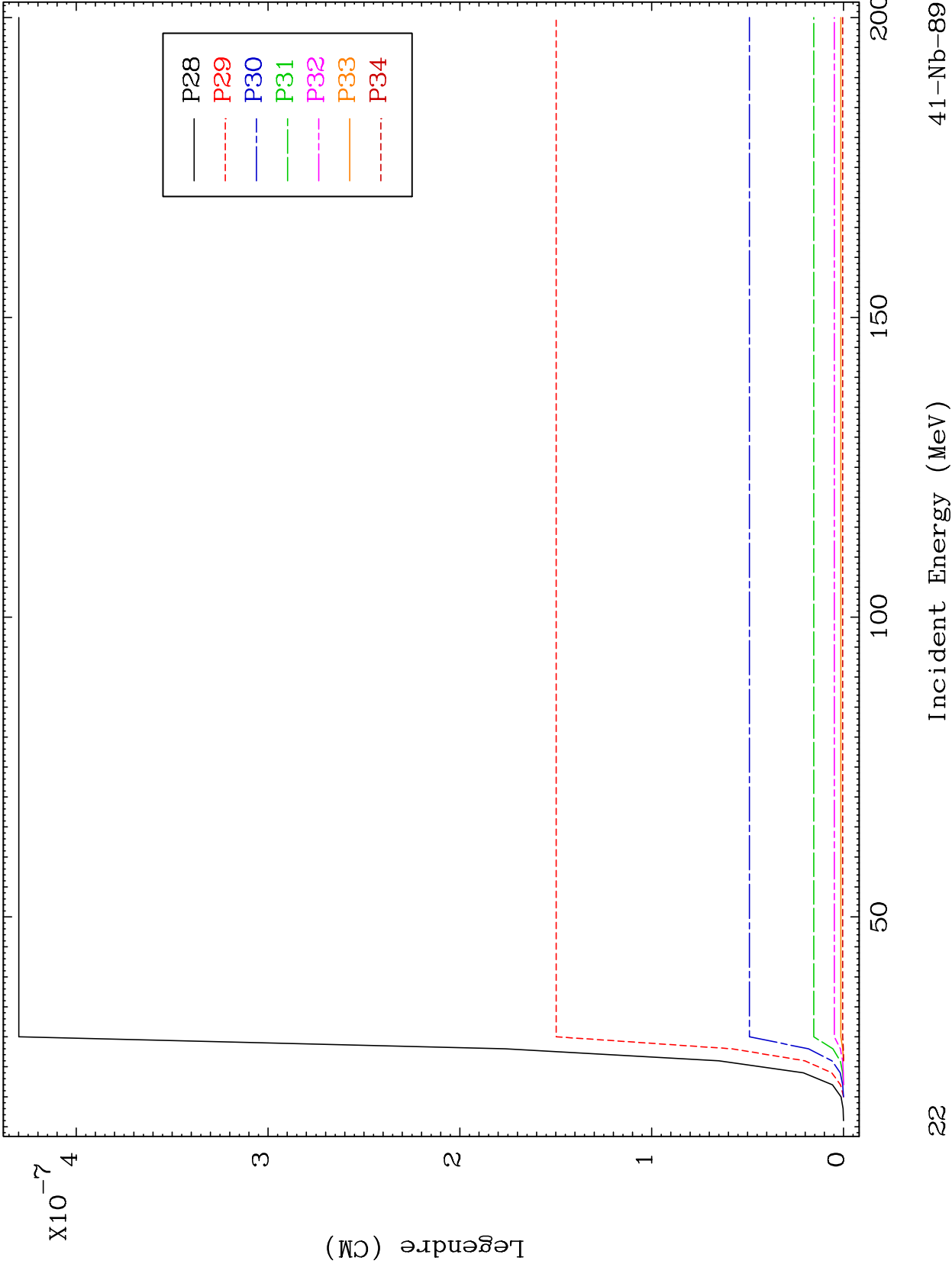
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

41-Nb-89

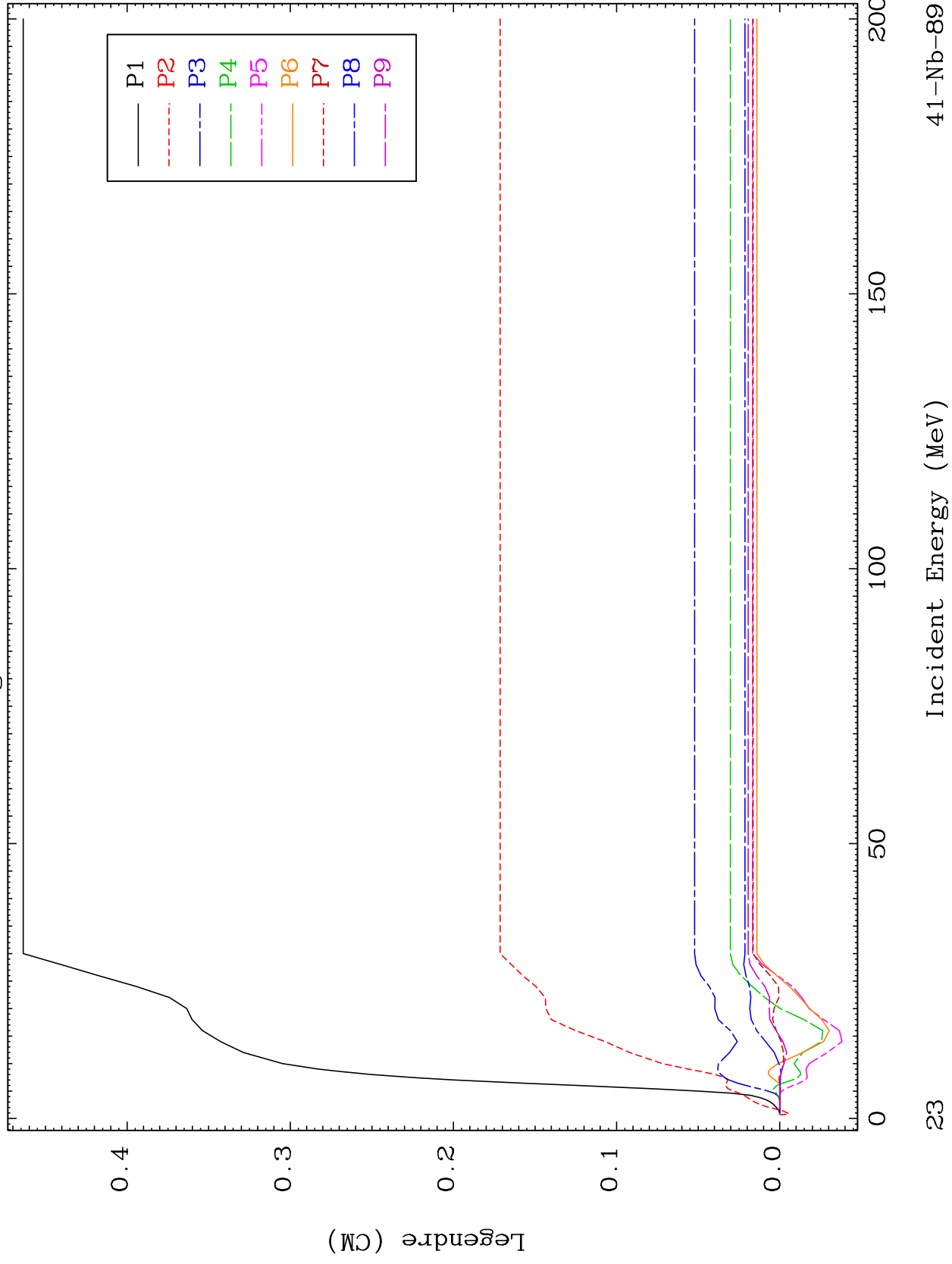


22

MAT 4113

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

41-Nb-89

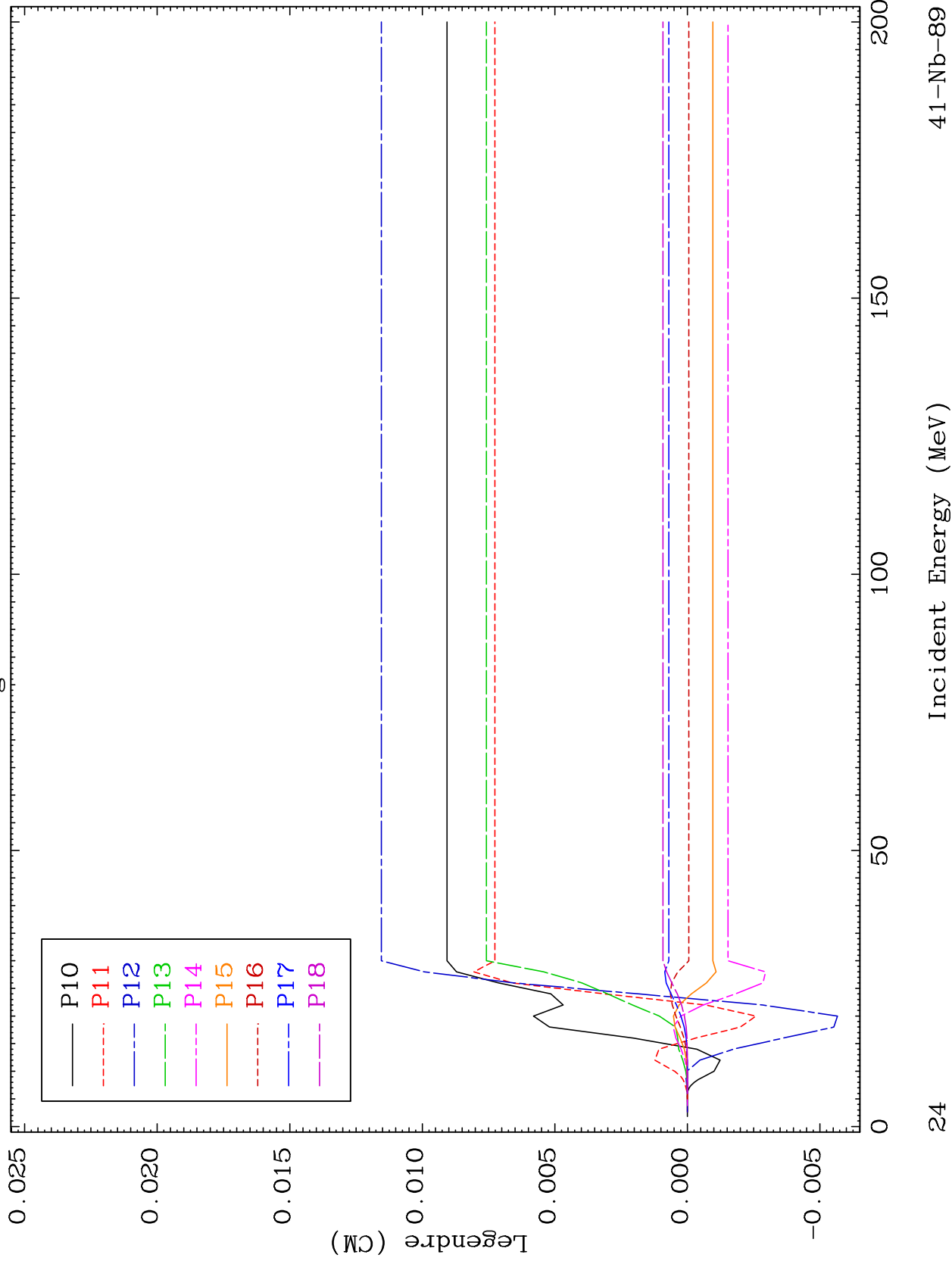


41-Nb-89

MAT 4113

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

41-Nb-89



24

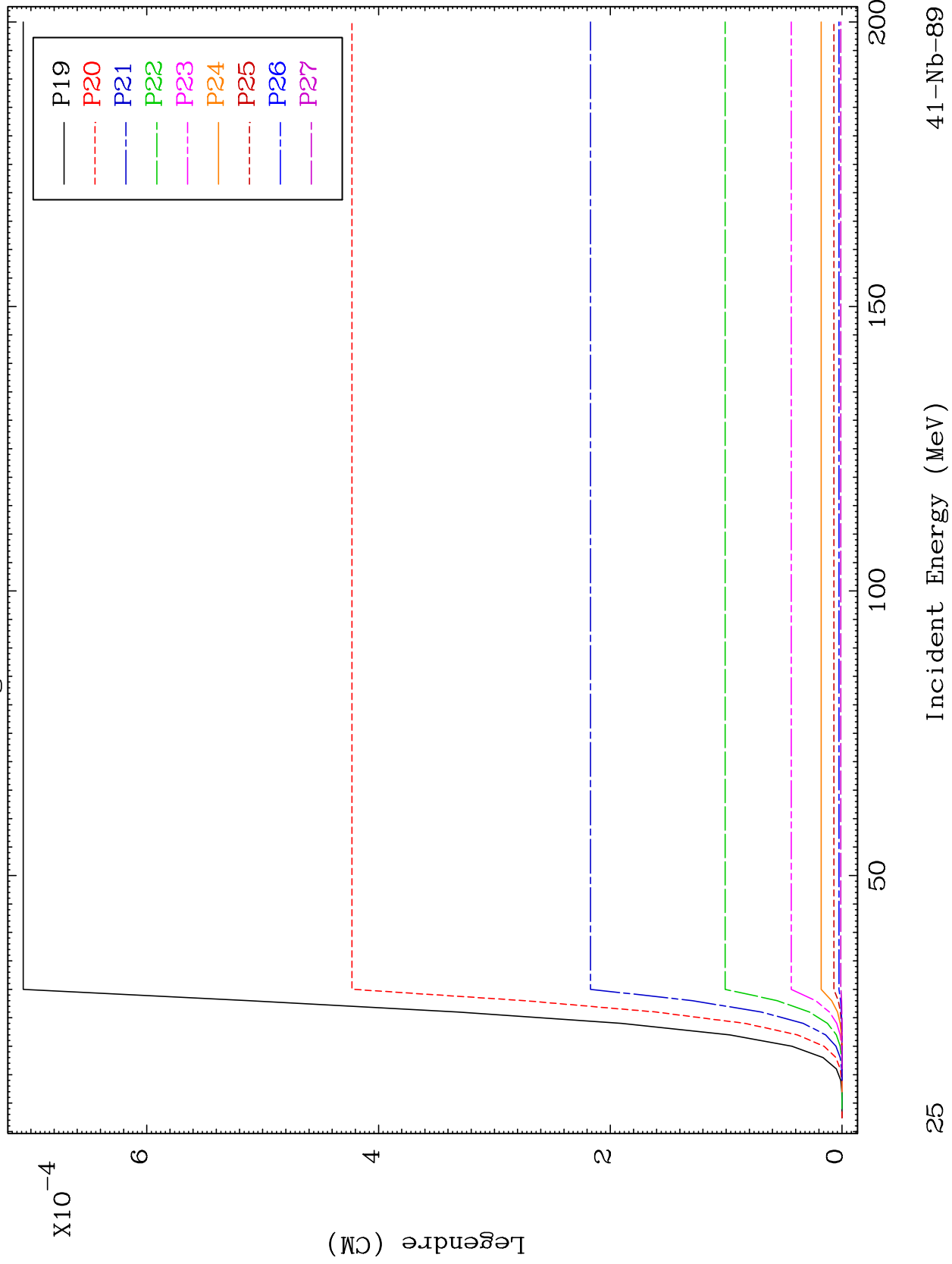
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

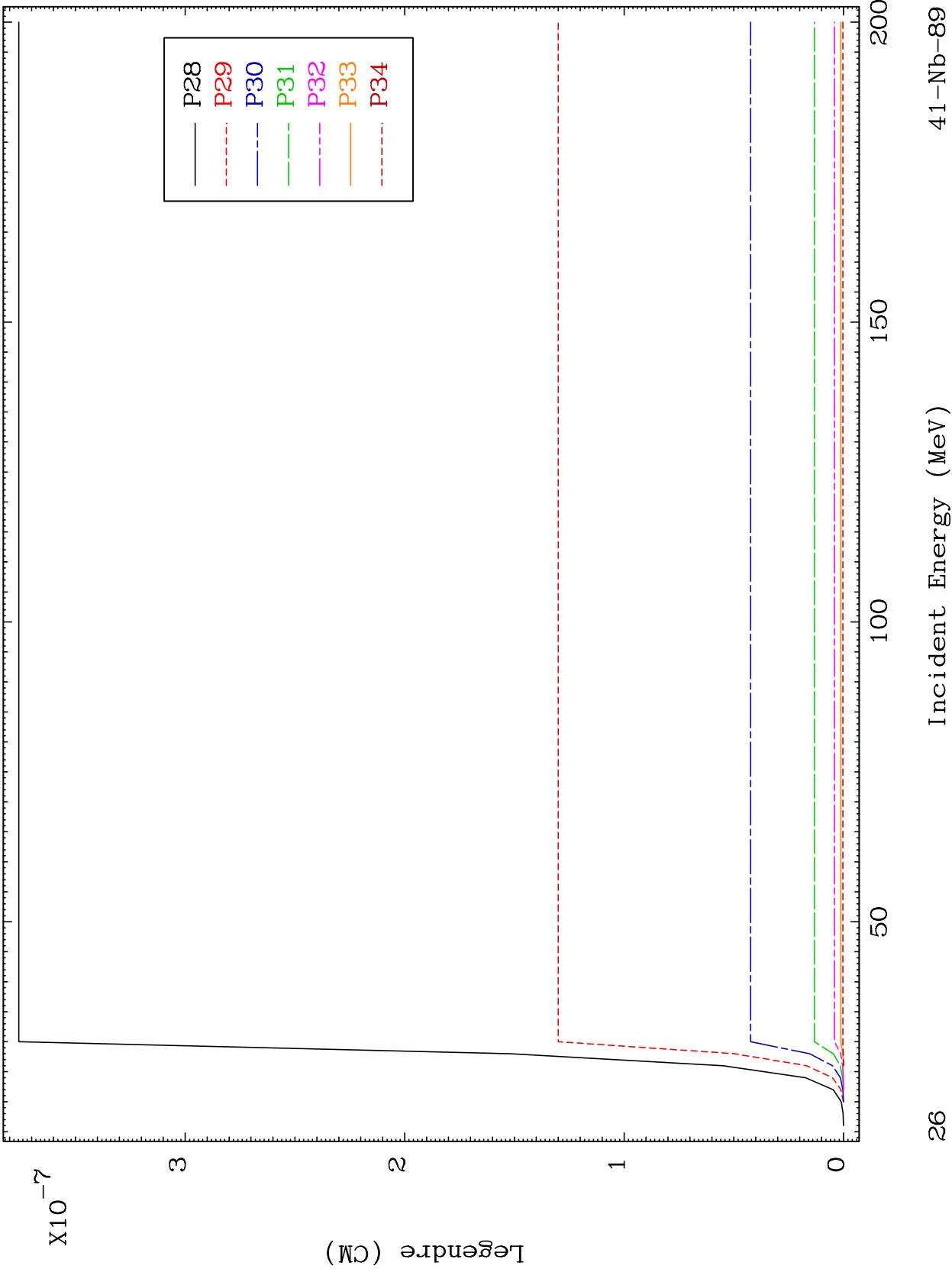
41-Nb-89



MAT 4113

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

41-Nb-89



26

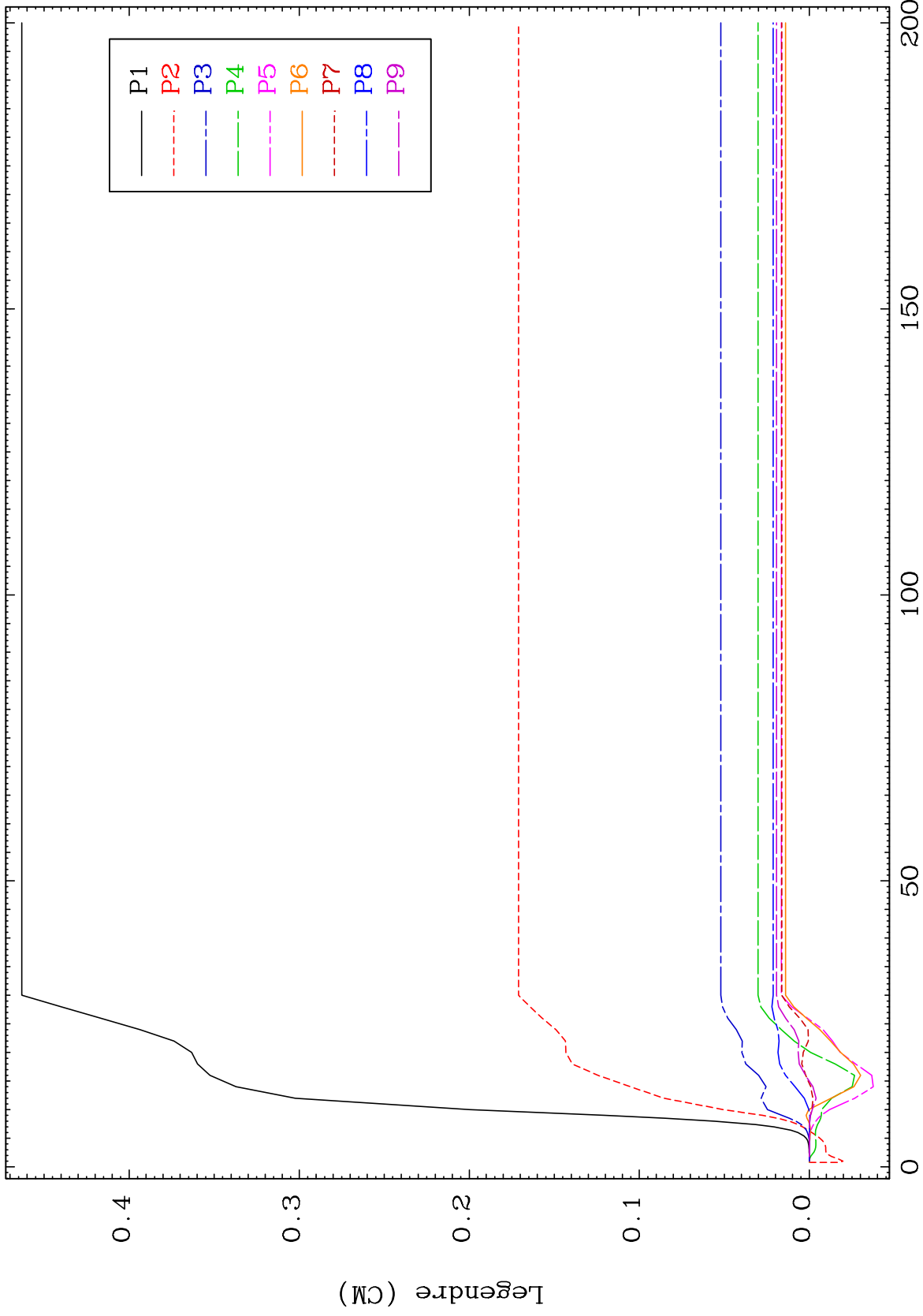
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

41-Nb-89



27

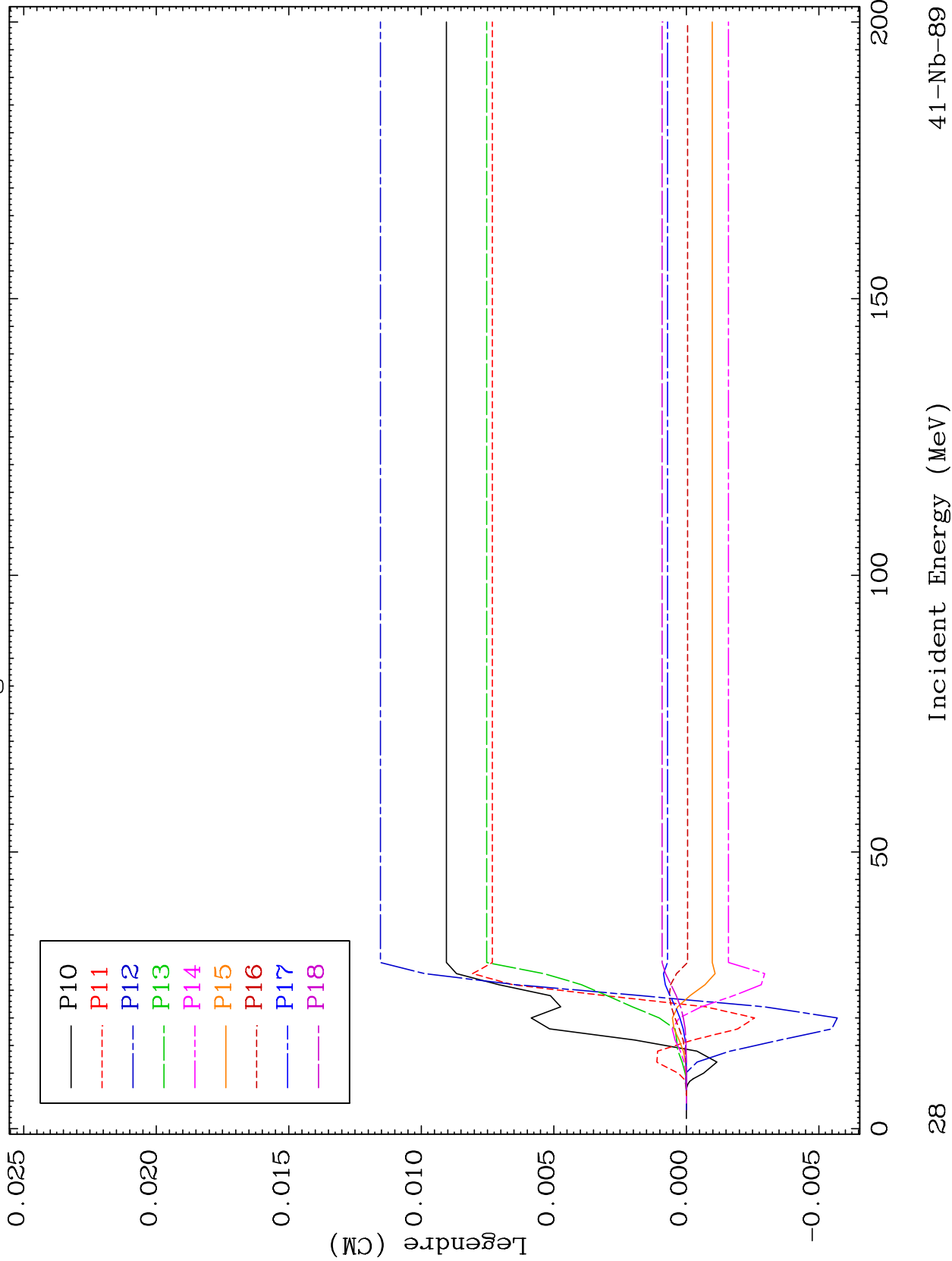
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

41-Nb-89



28

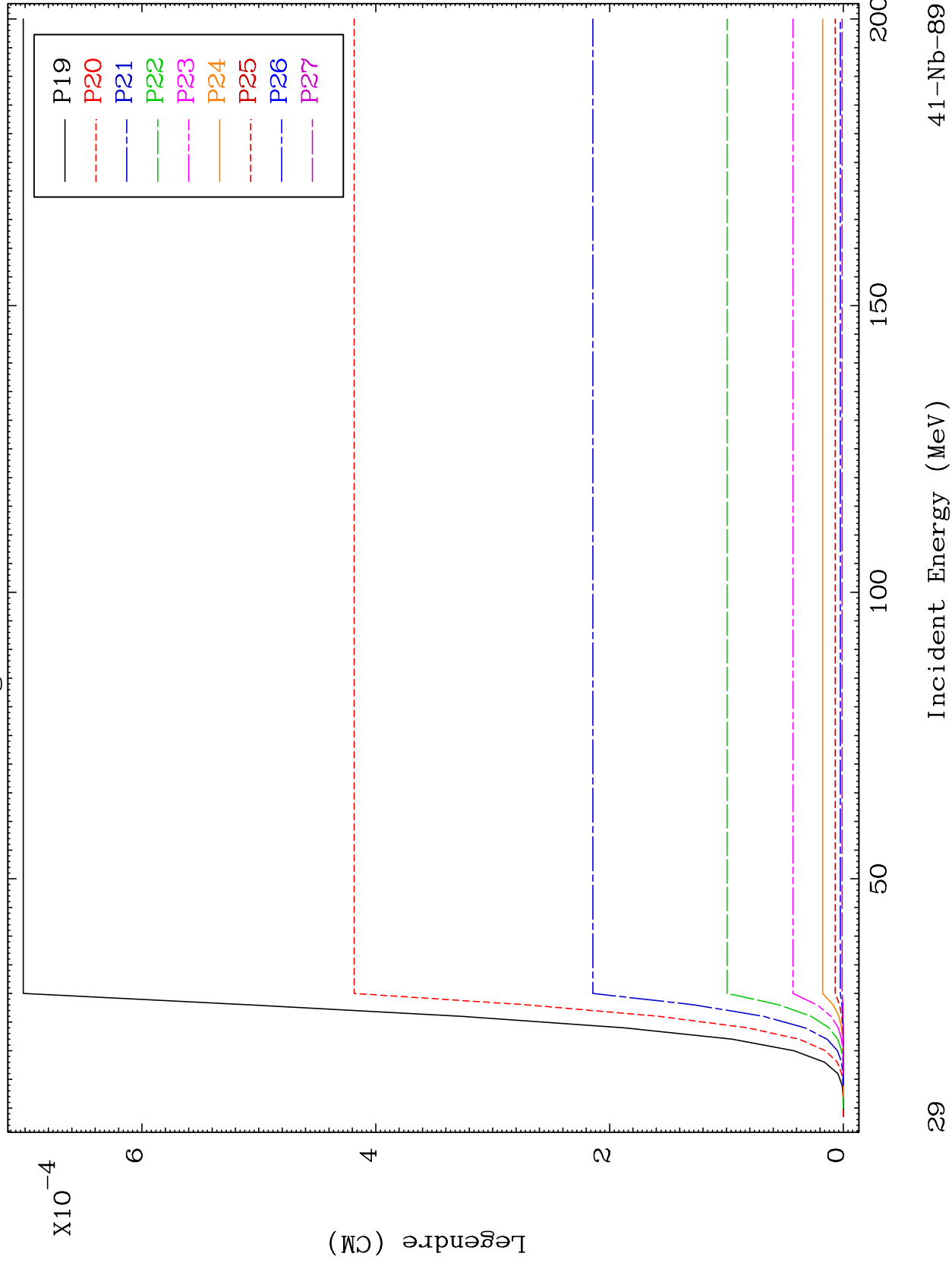
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

41-Nb-89



29

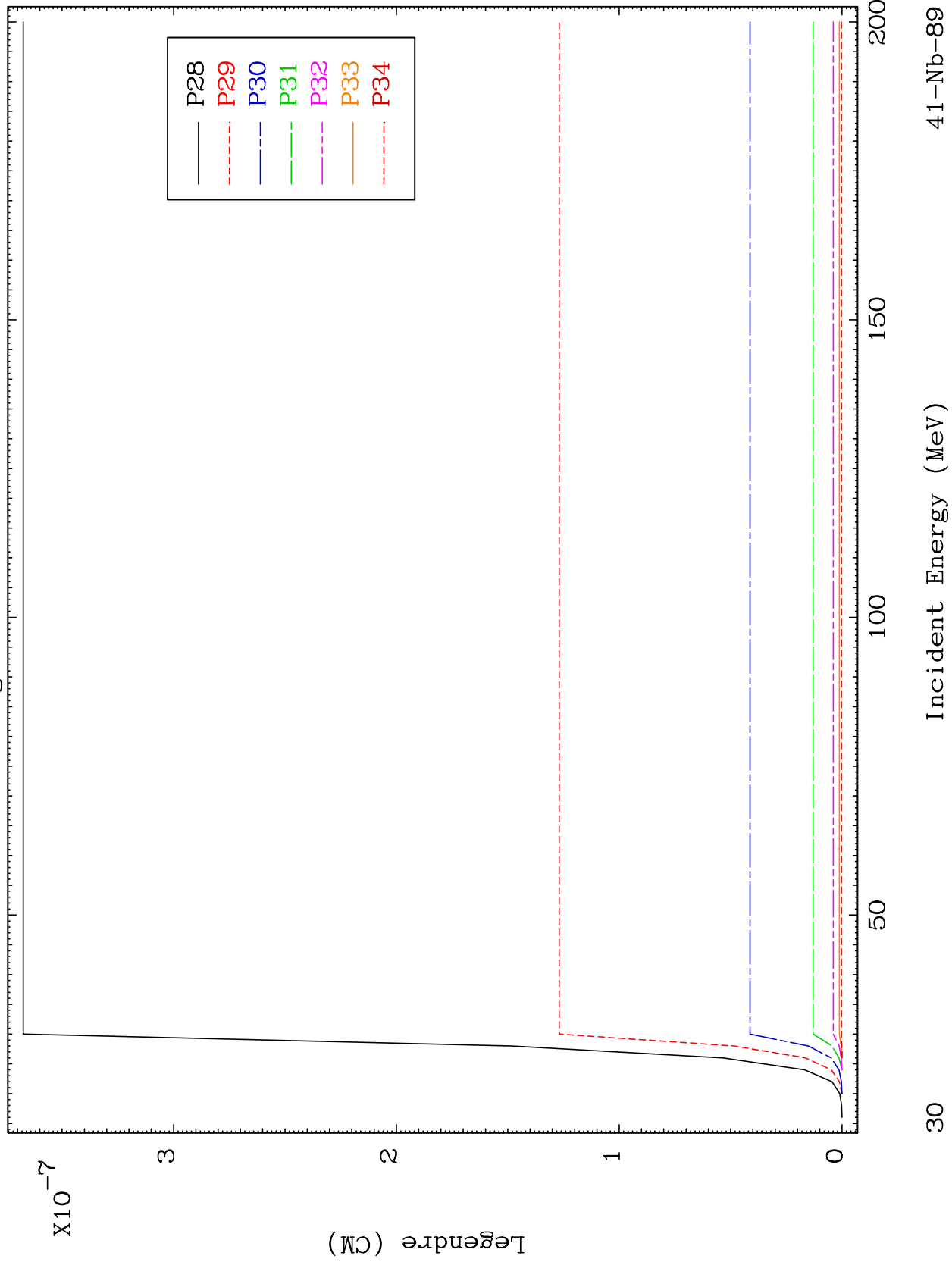
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

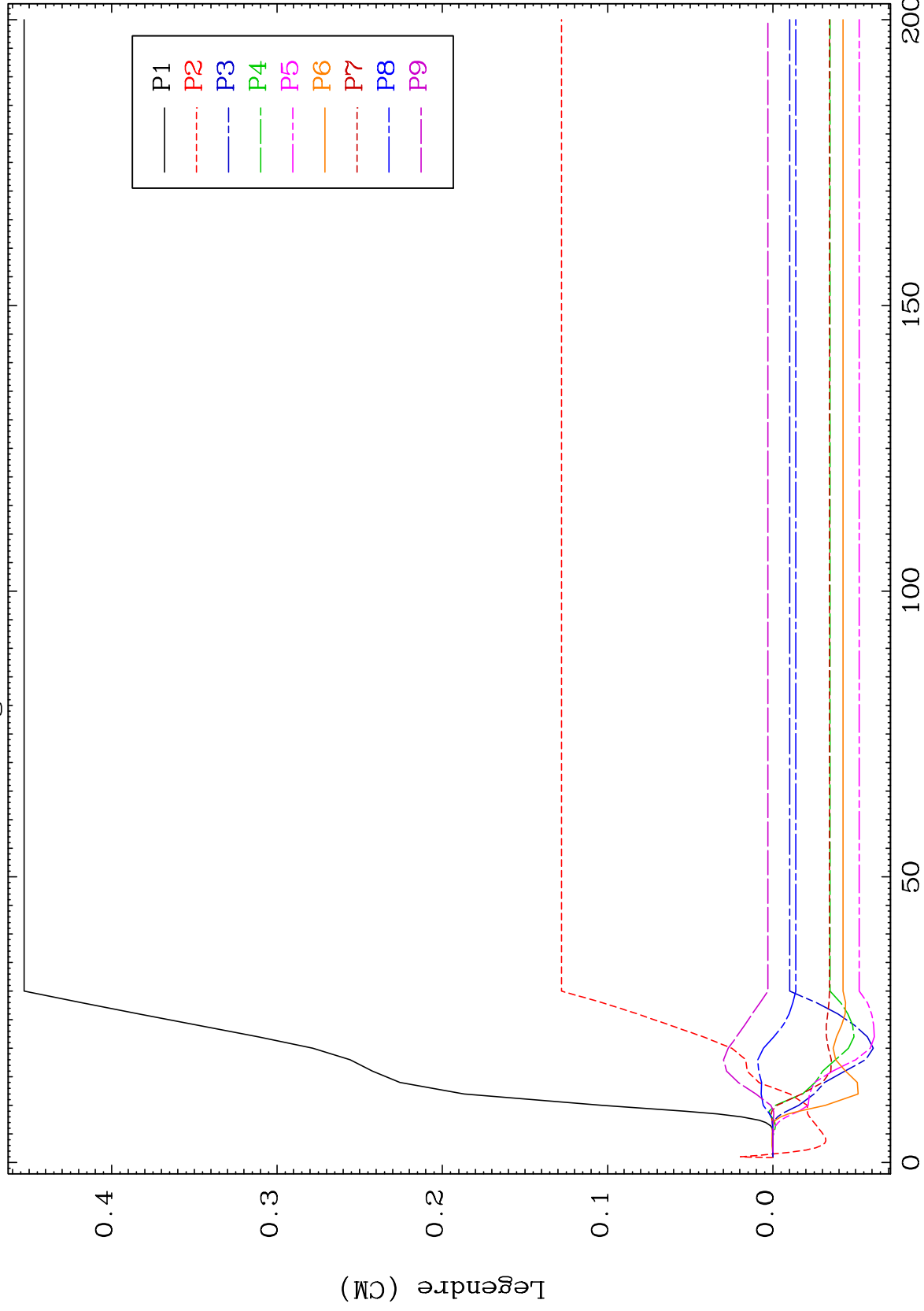
41-Nb-89



MAT 4113

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

41-Nb-89



31

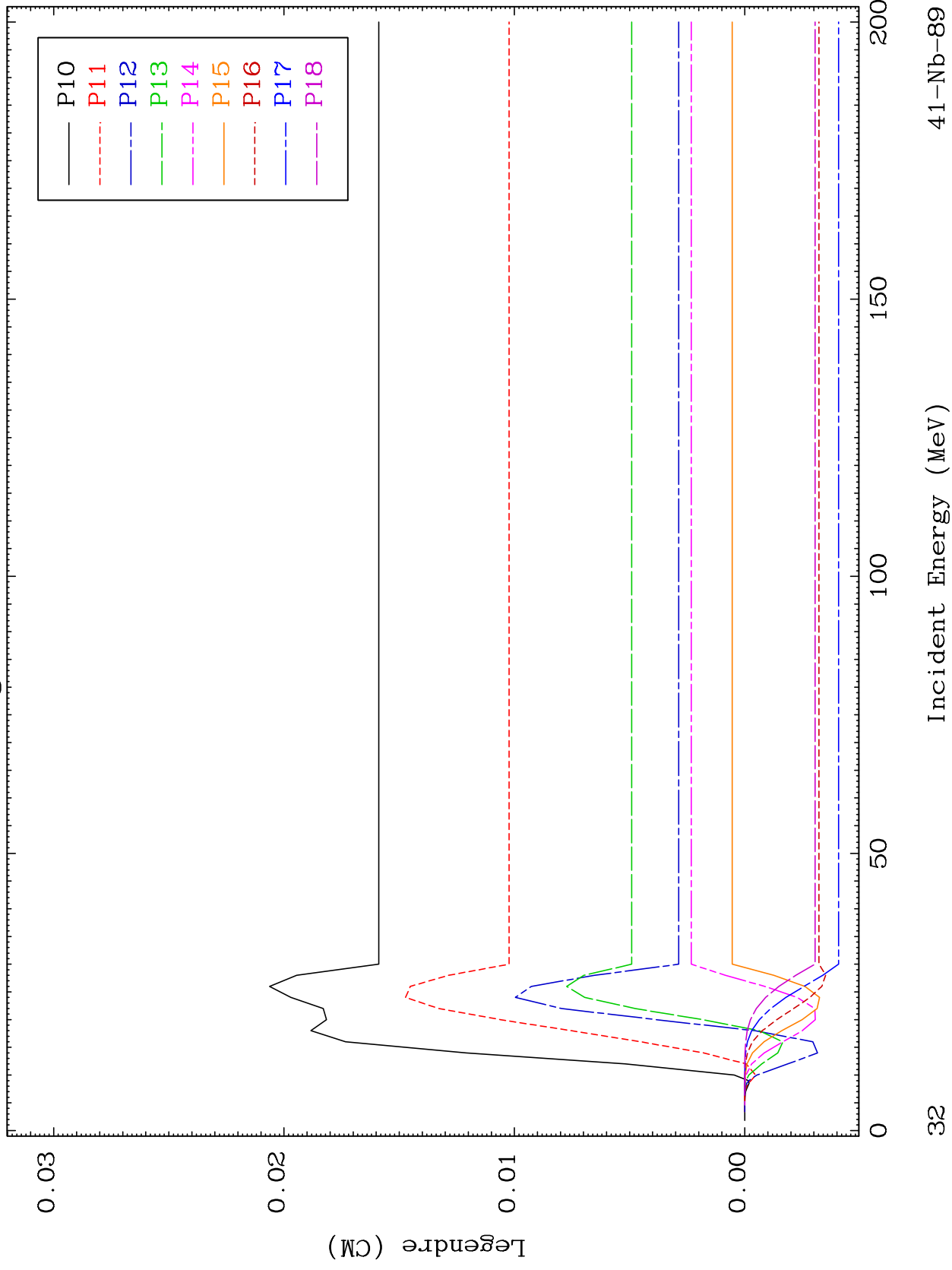
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

41-Nb-89



41-Nb-89

Incident Energy (MeV)

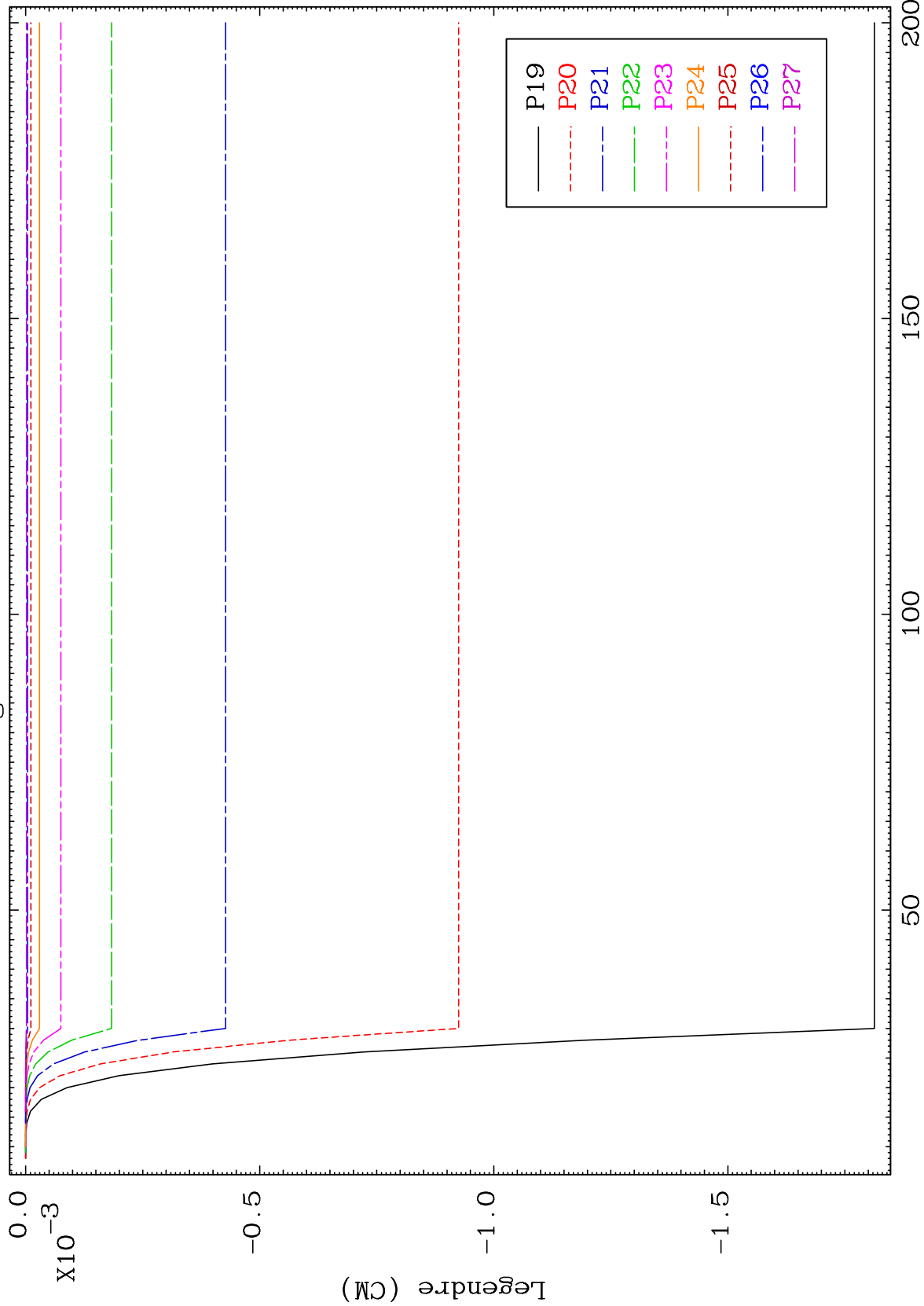
32

MAT 4113

MT= 54 (n,n') Level

41-Nb-89

Legendre Coefficients

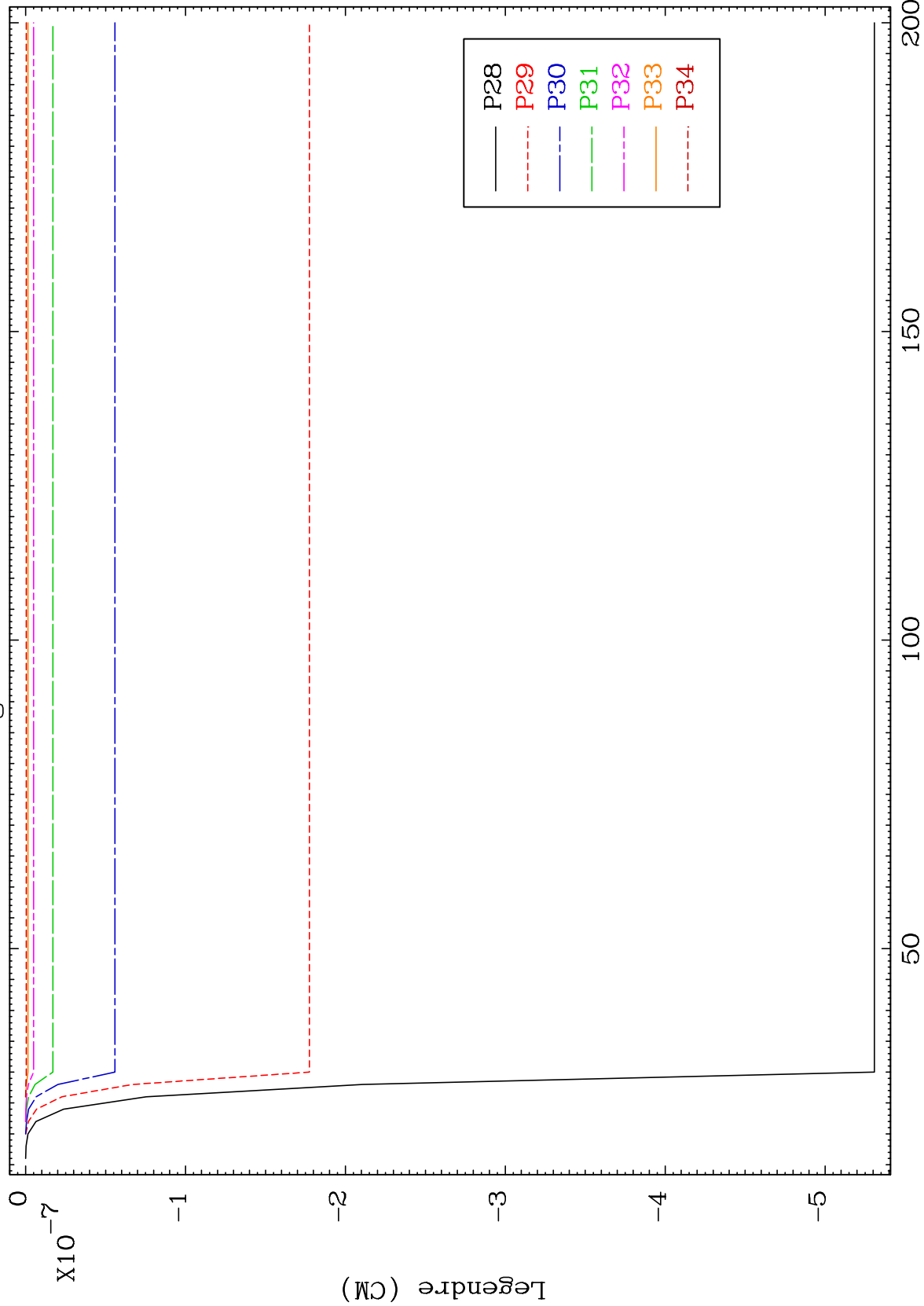


MAT 4113

MT= 54 (n,n') Level

41-Nb-89

Legendre Coefficients



$\times 10^{-7}$

34

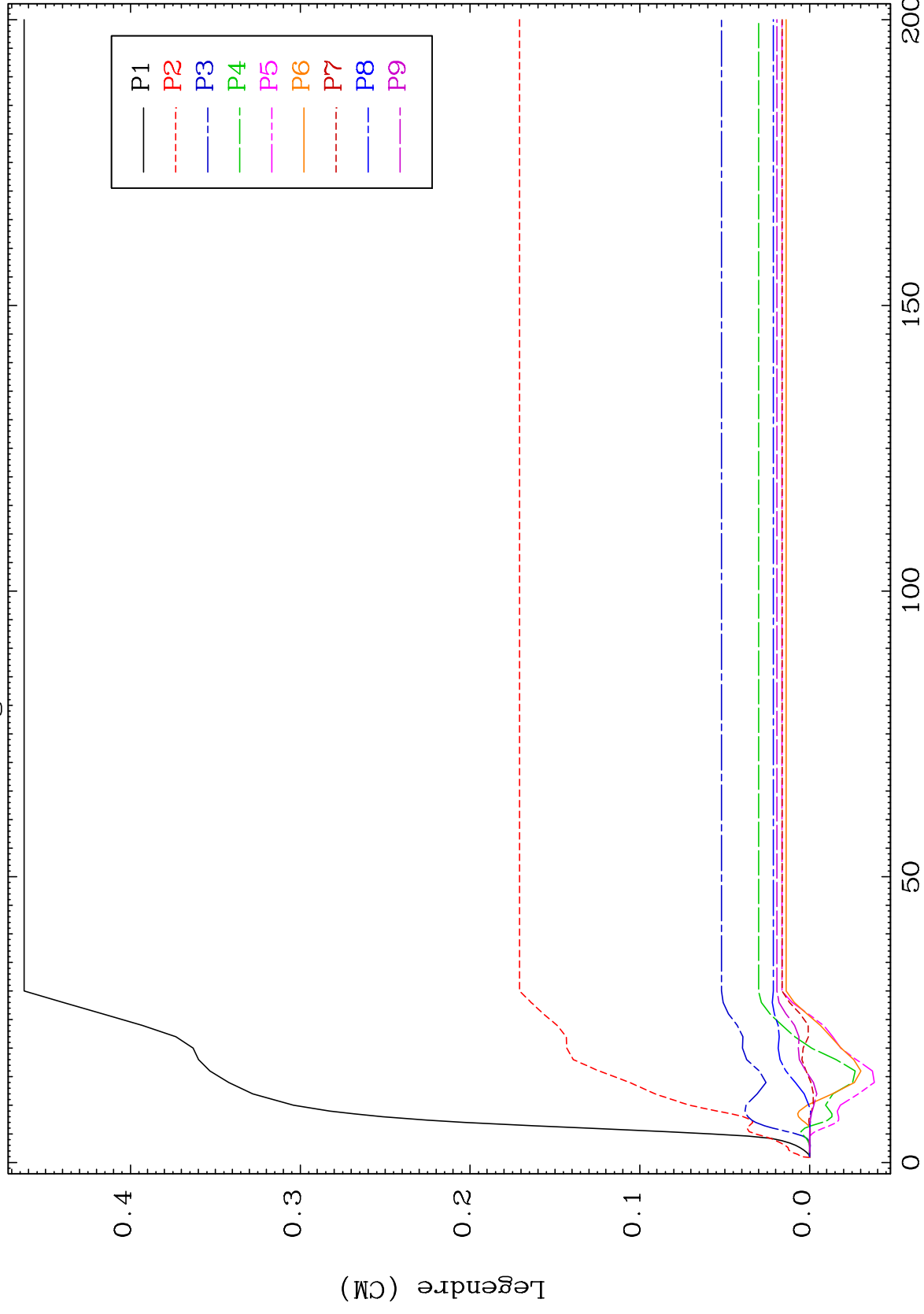
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

41-Nb-89



35

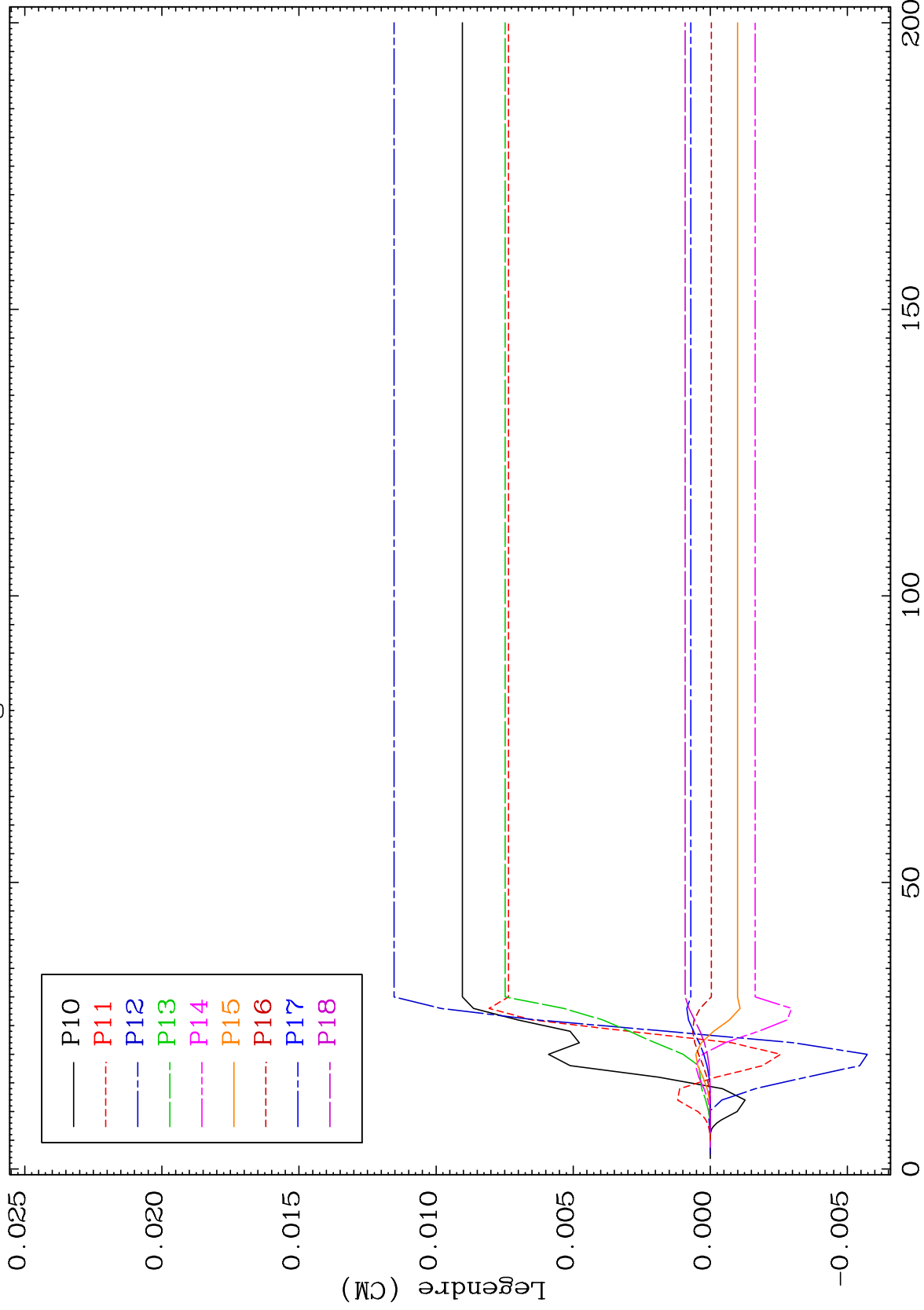
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

41-Nb-89



36

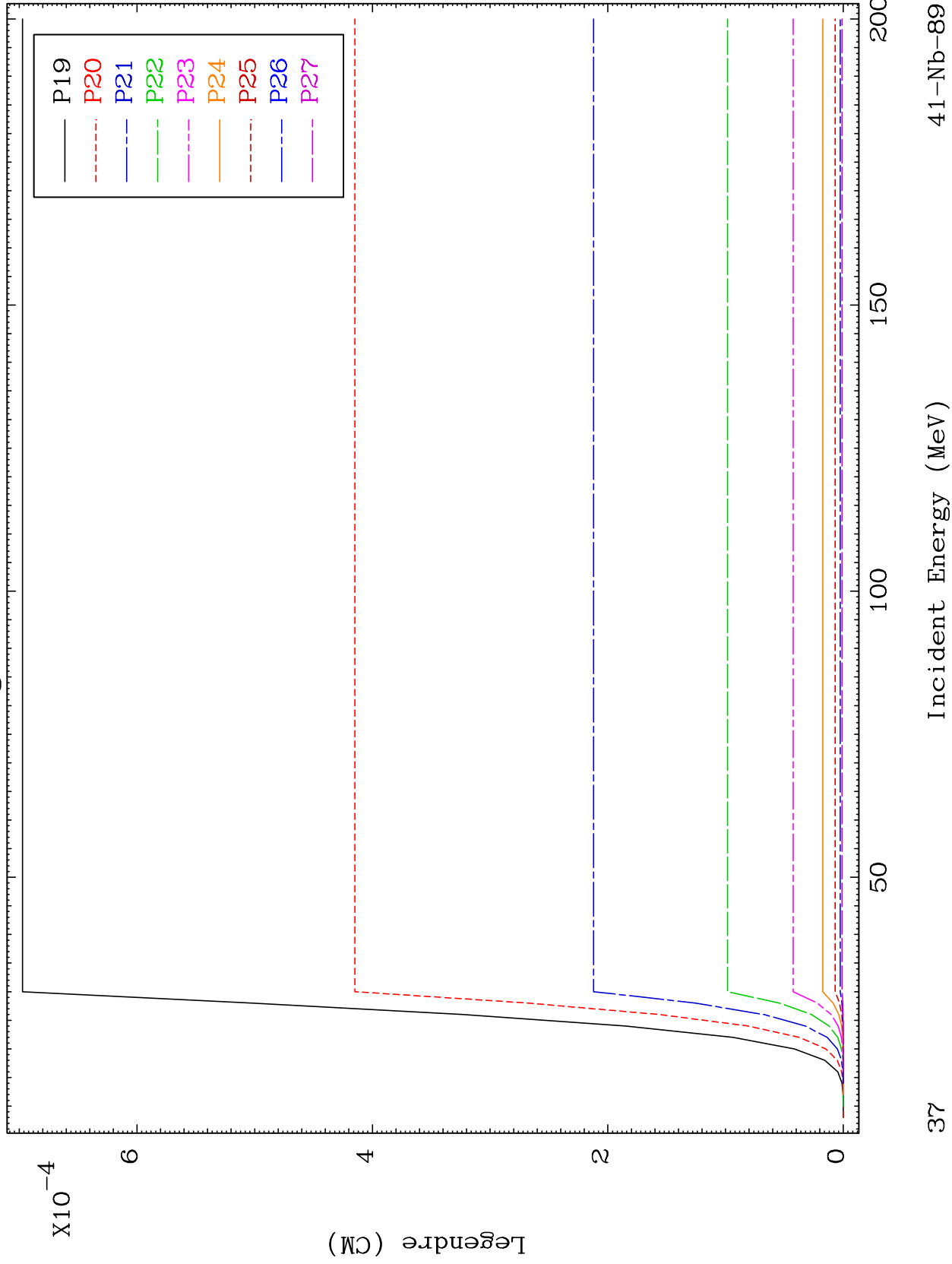
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

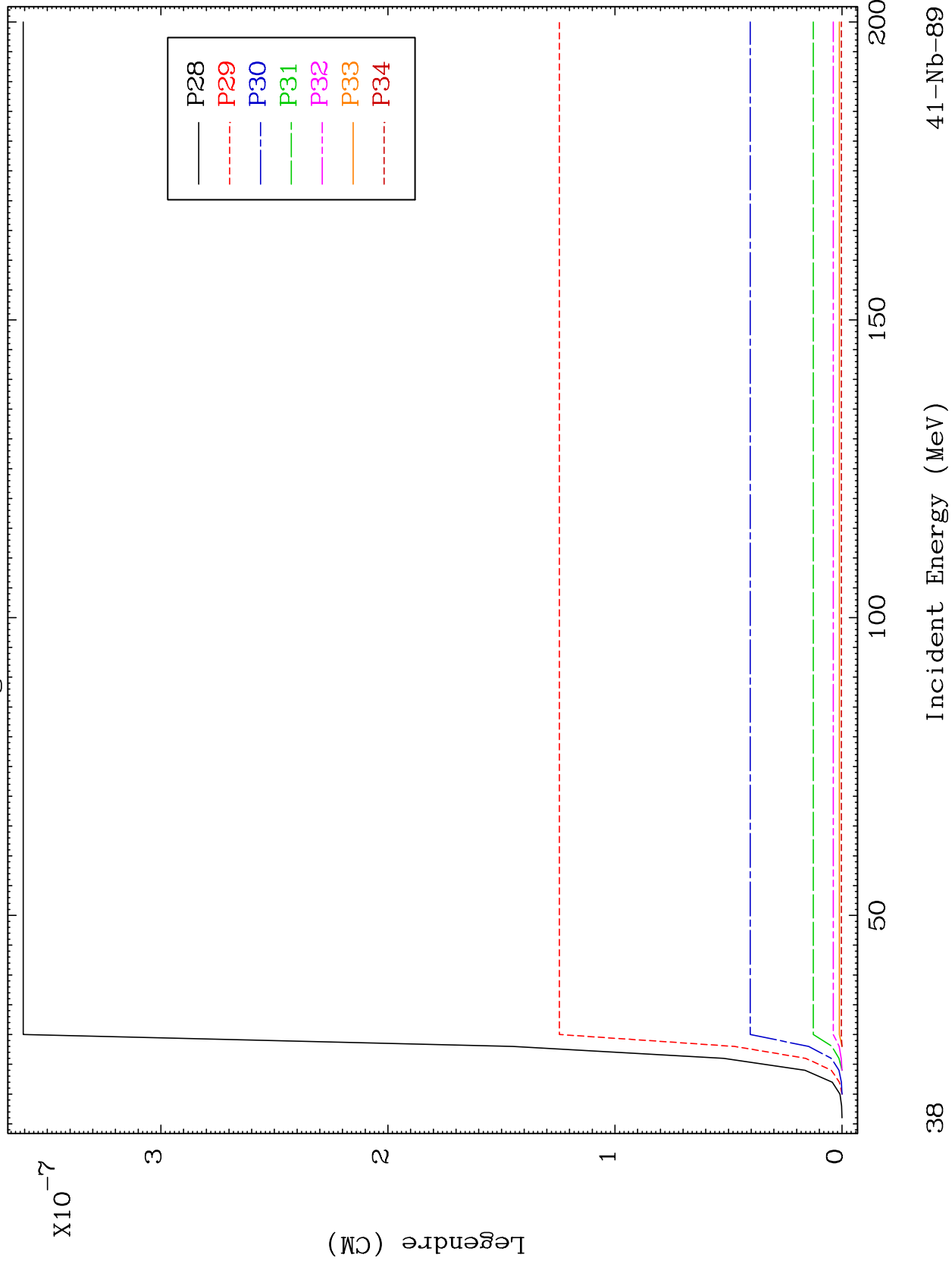
41-Nb-89



MAT 4113

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

41-Nb-89



38

Incident Energy (MeV)

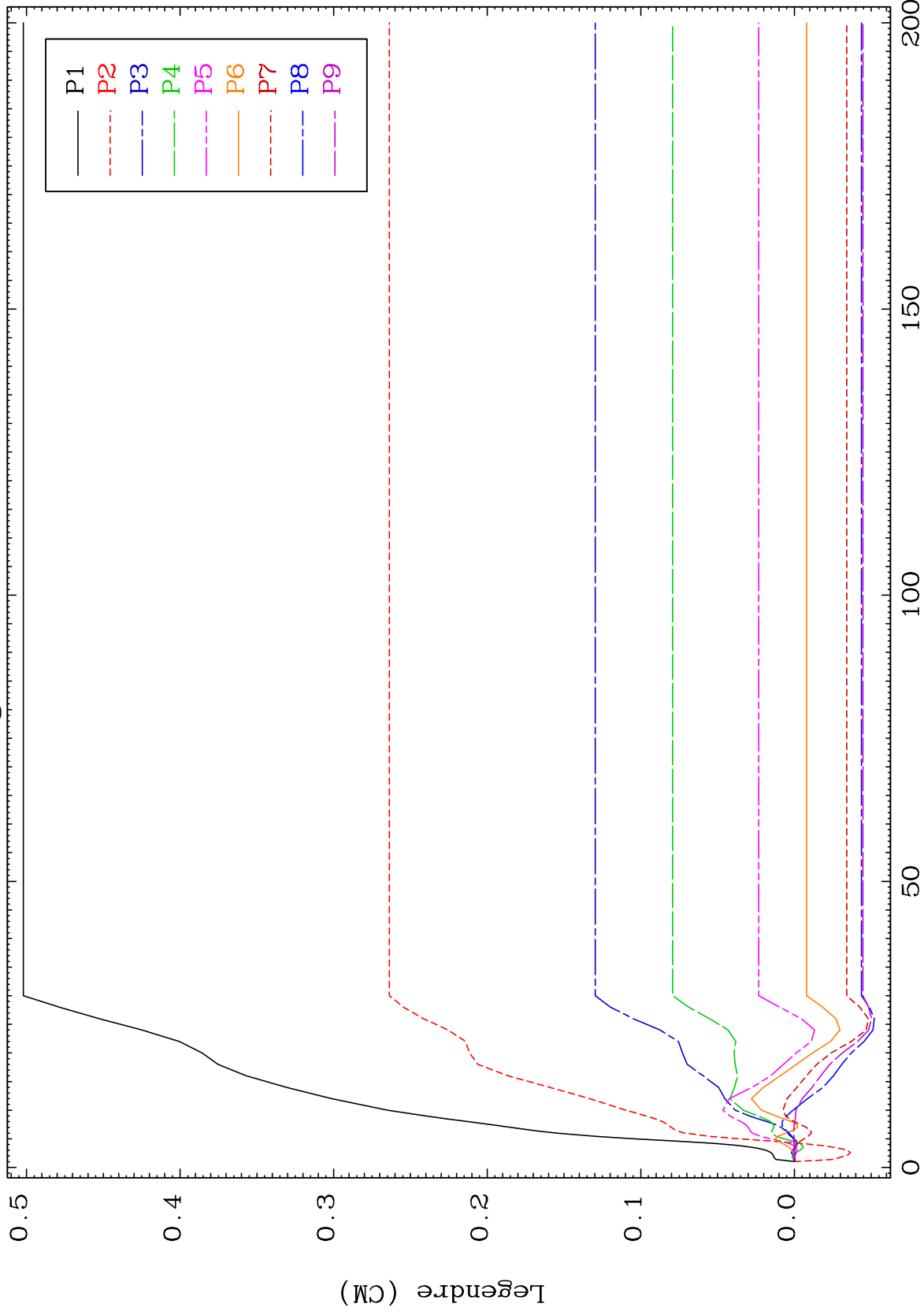
41-Nb-89

MAT 4113

MT= 56 (n,n') Level

41-Nb-89

Legendre Coefficients



39

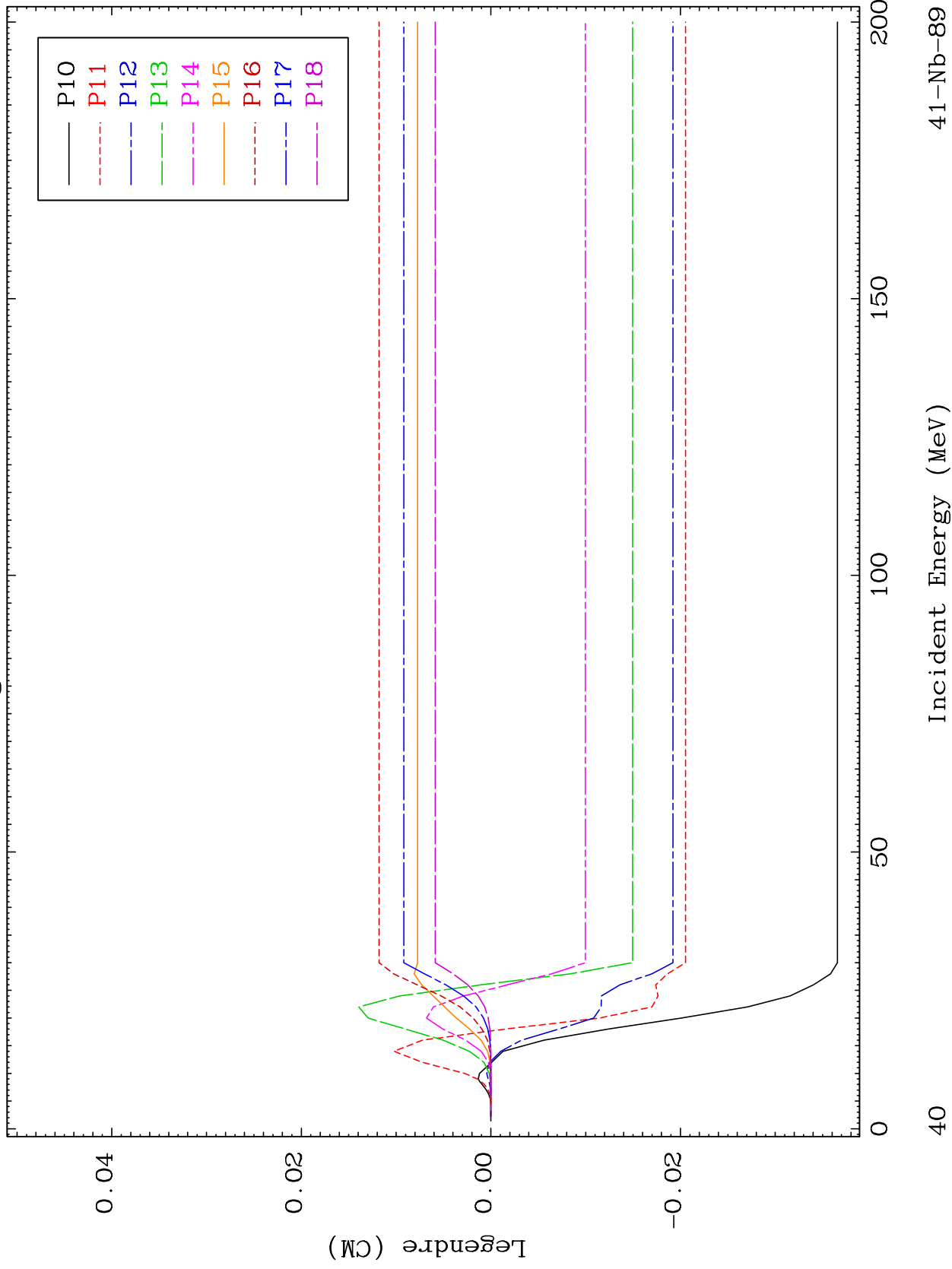
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

41-Nb-89



41-Nb-89

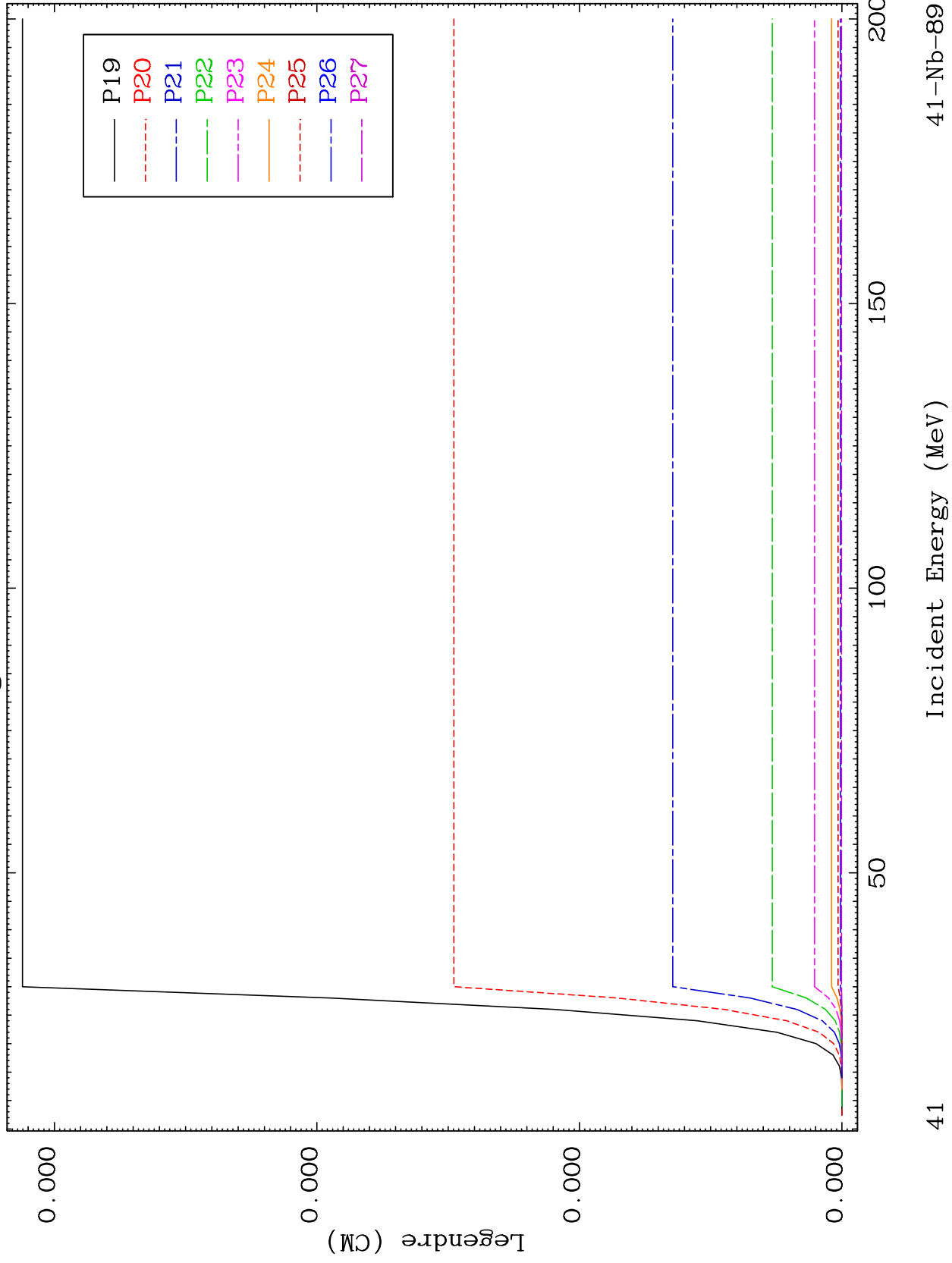
Incident Energy (MeV)

40

MAT 4113

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

41-Nb-89

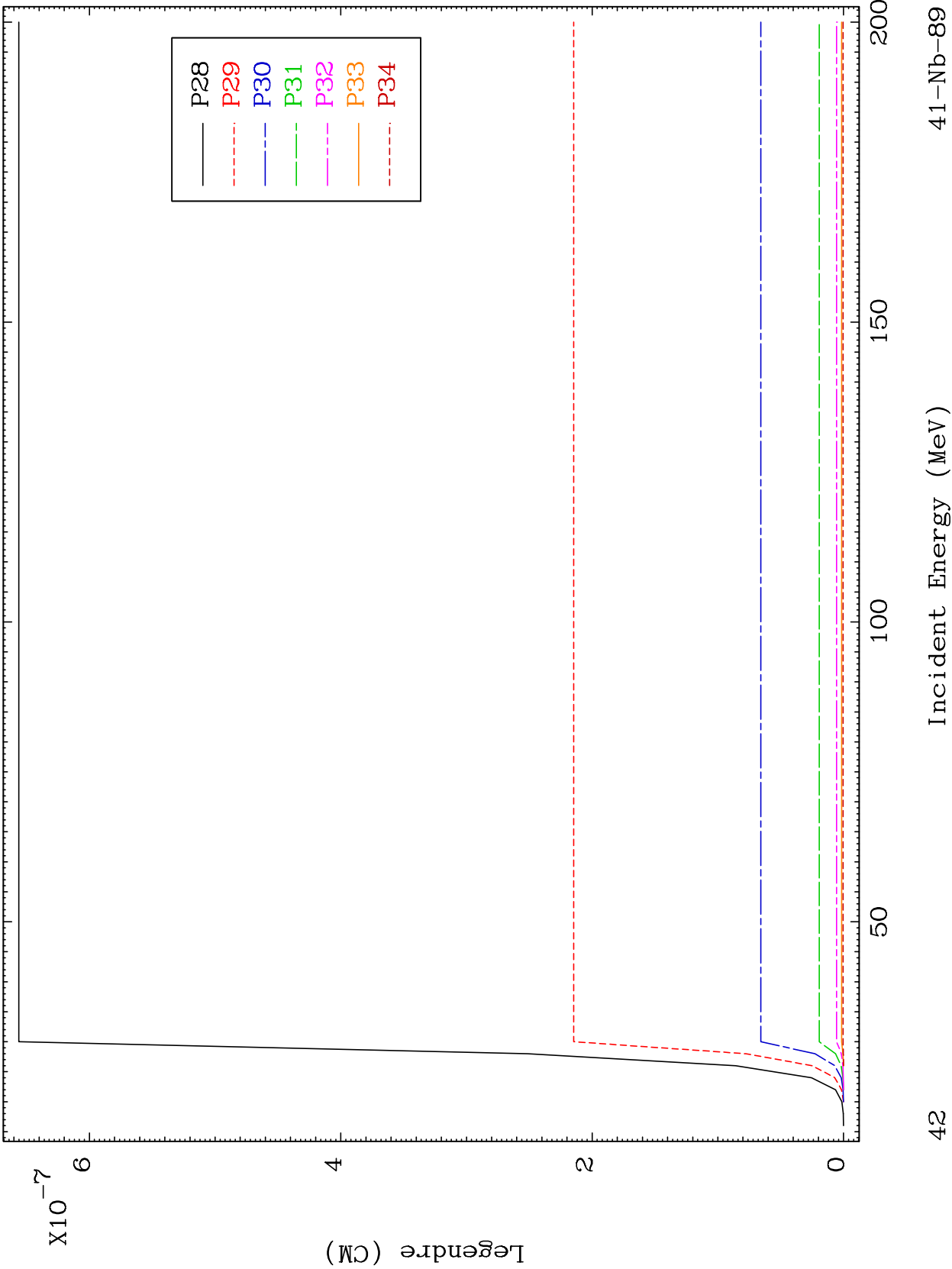


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MAT 4113

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

41-Nb-89



42

Incident Energy (MeV)

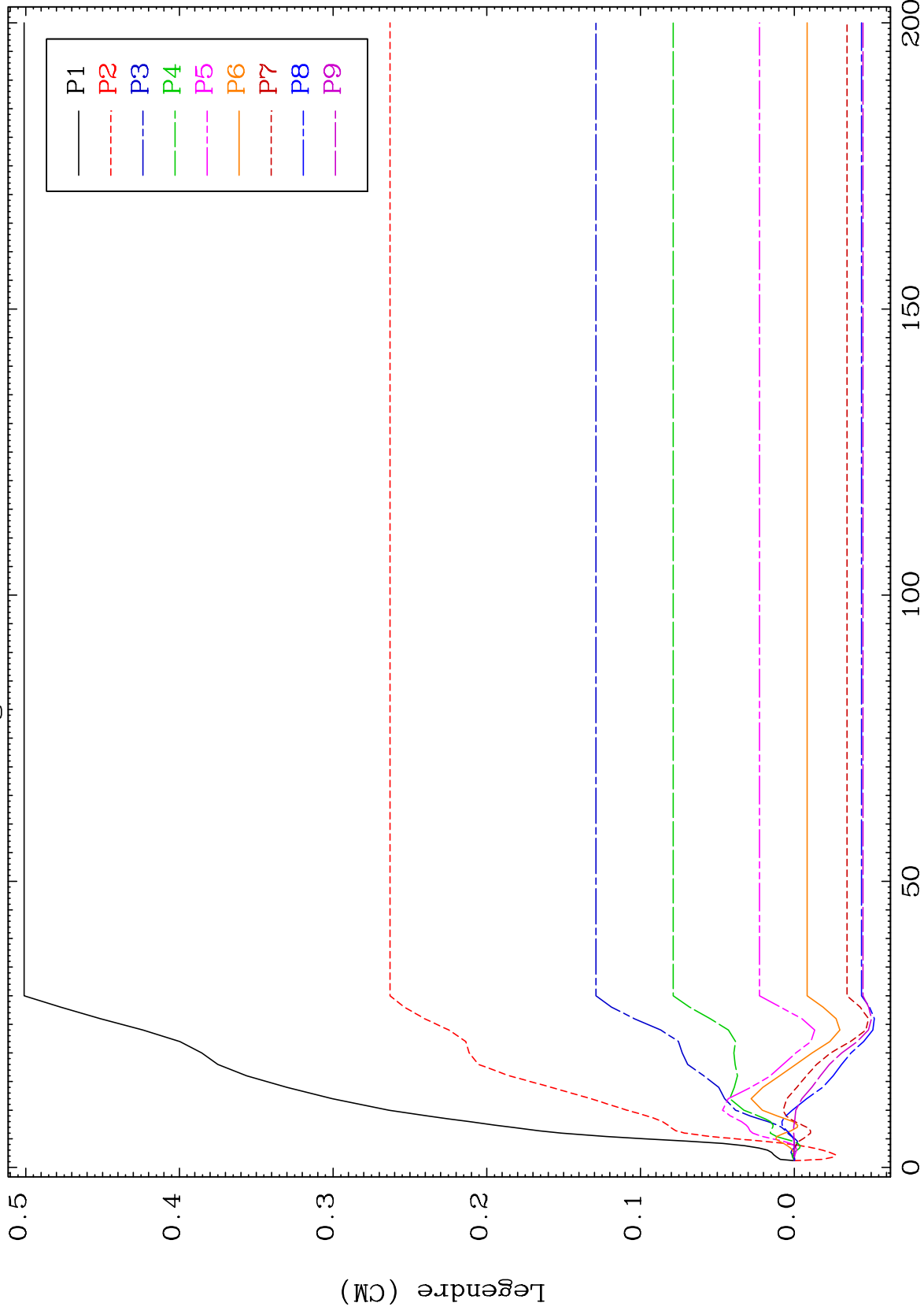
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MAT 4113

MT= 57 (n,n') Level

41-Nb-89

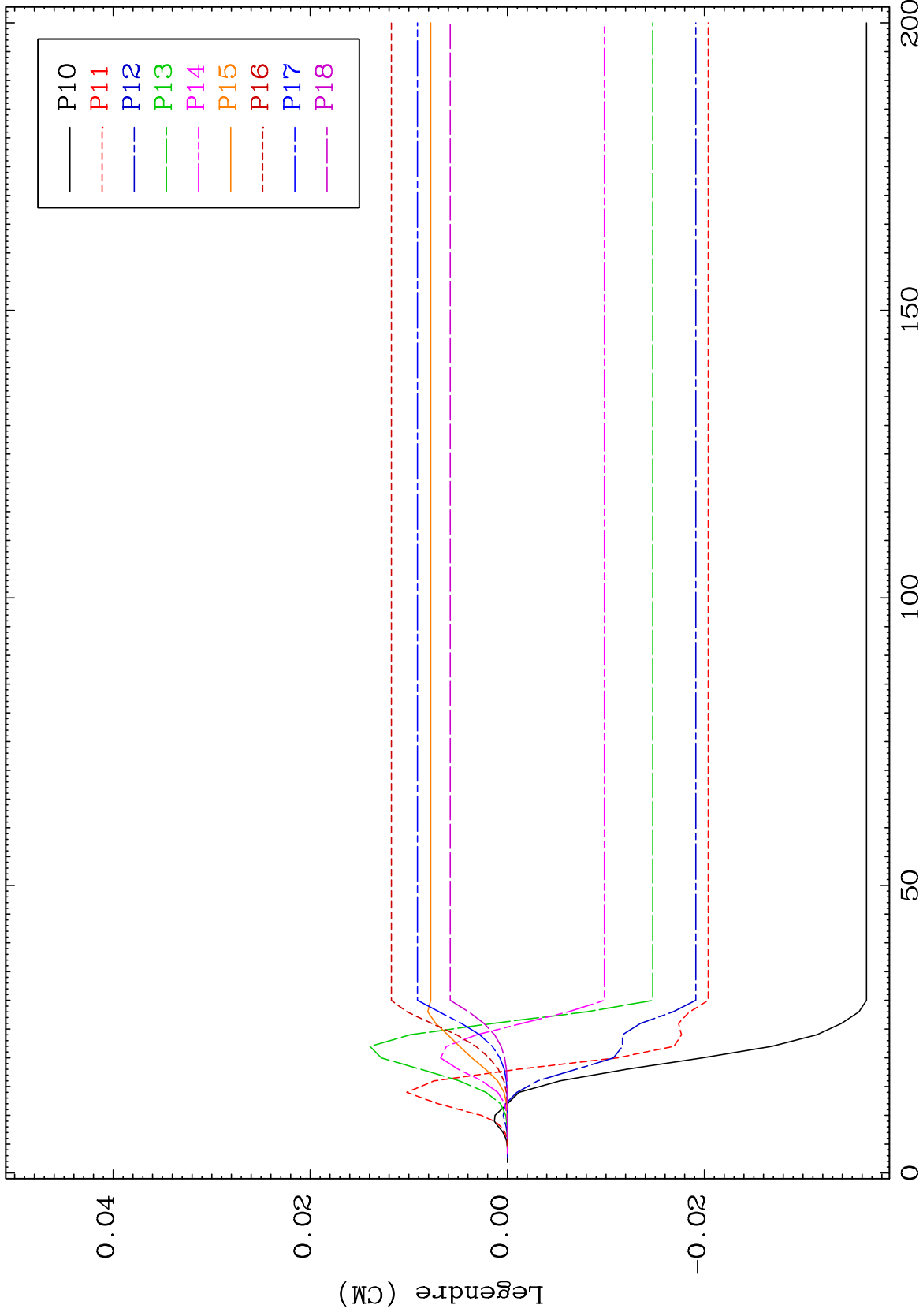
Legendre Coefficients



MAT 4113

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

41-Nb-89



44

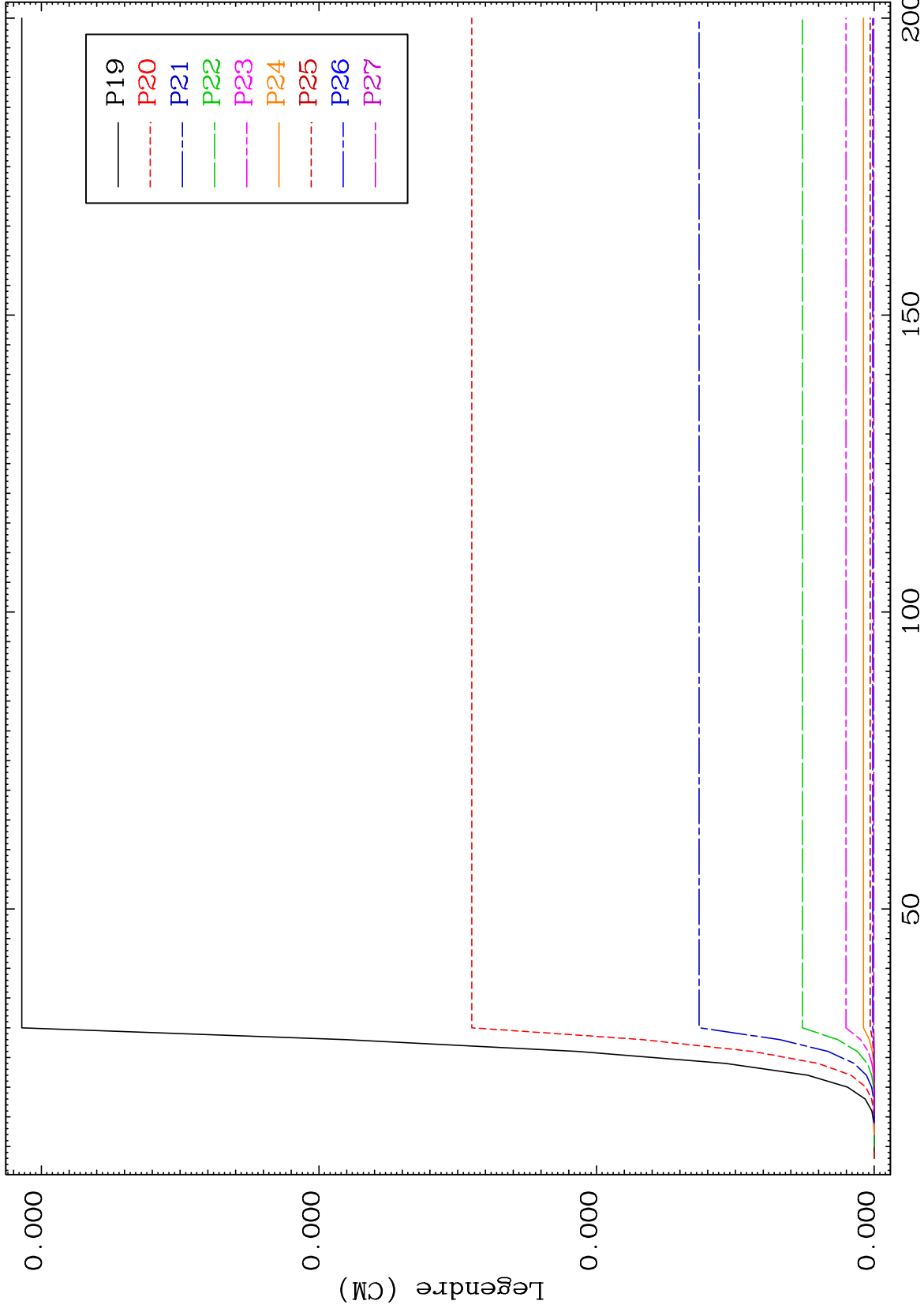
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

41-Nb-89



45

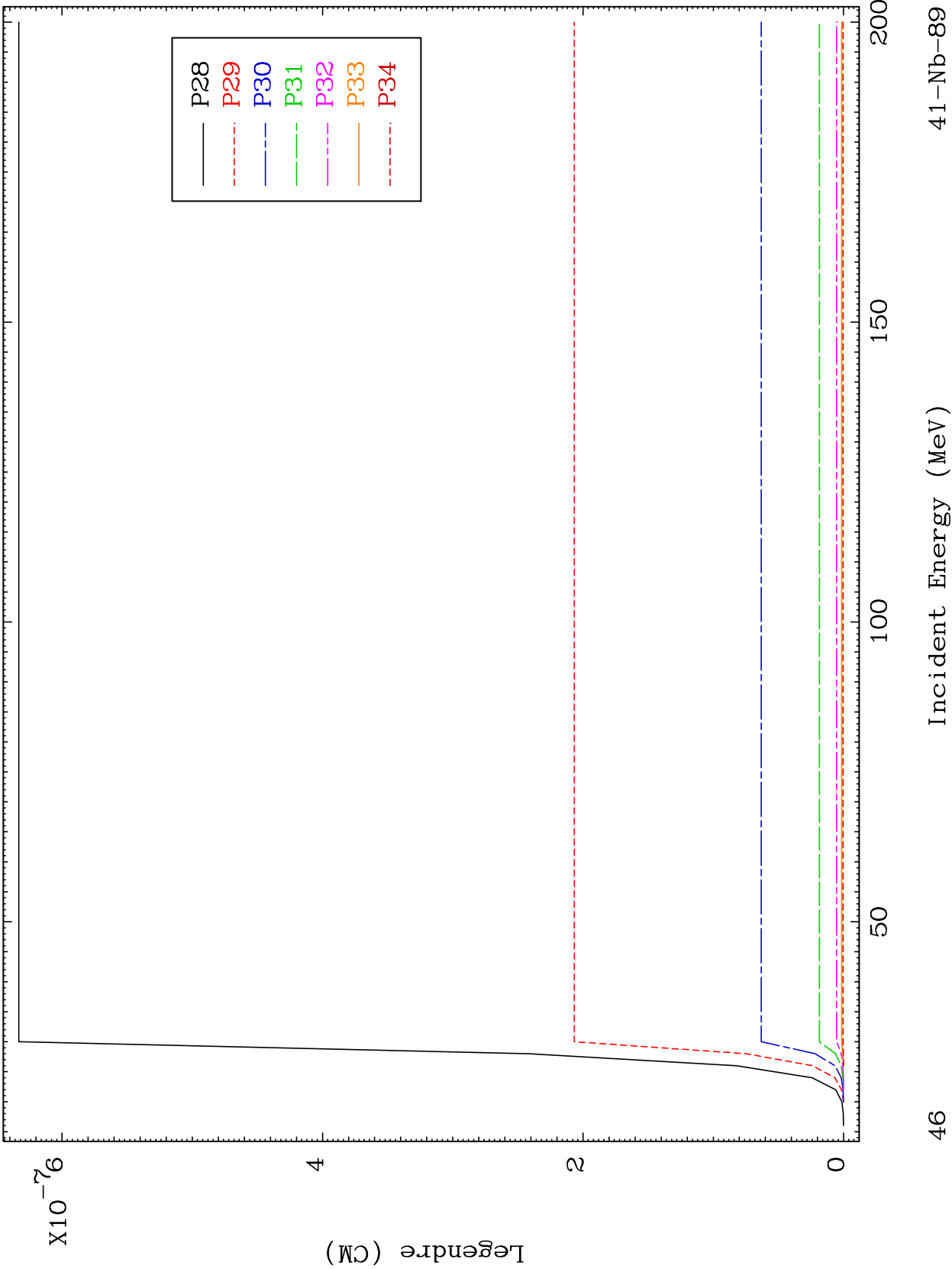
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

41-Nb-89



46

Incident Energy (MeV)

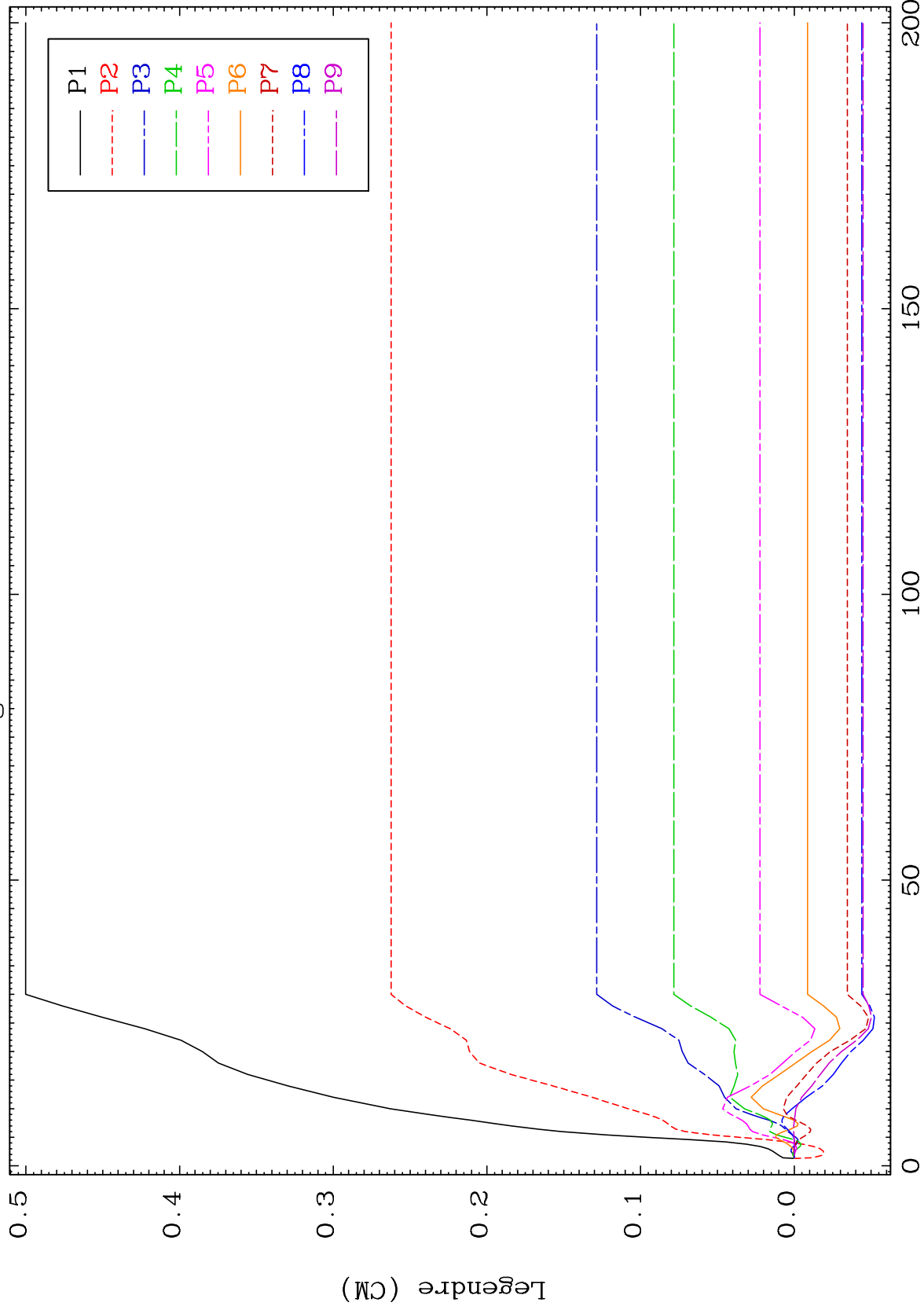
41-Nb-89

MAT 4113

MT= 58 (n,n') Level

41-Nb-89

Legendre Coefficients



47

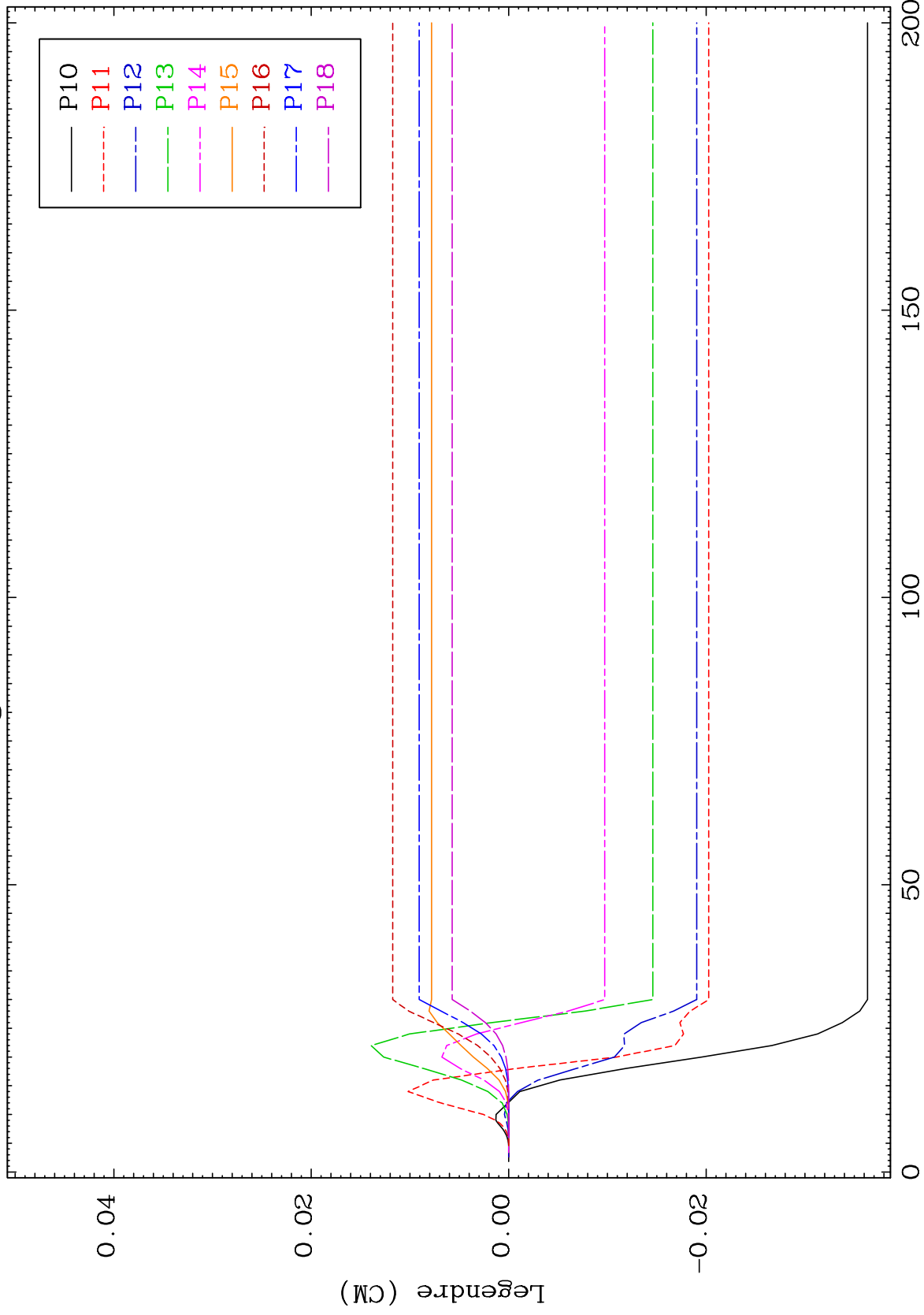
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

41-Nb-89



48

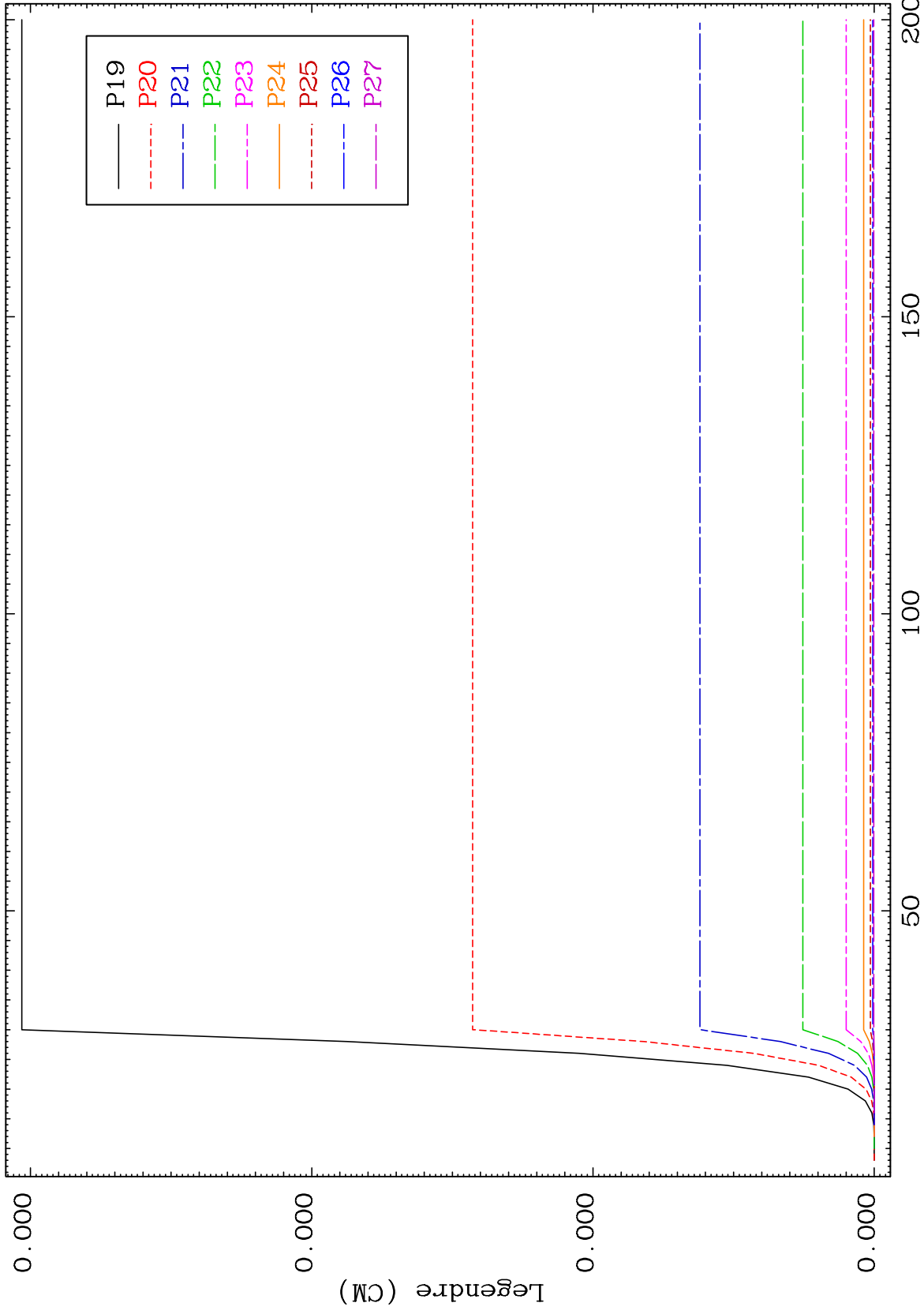
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

41-Nb-89



49

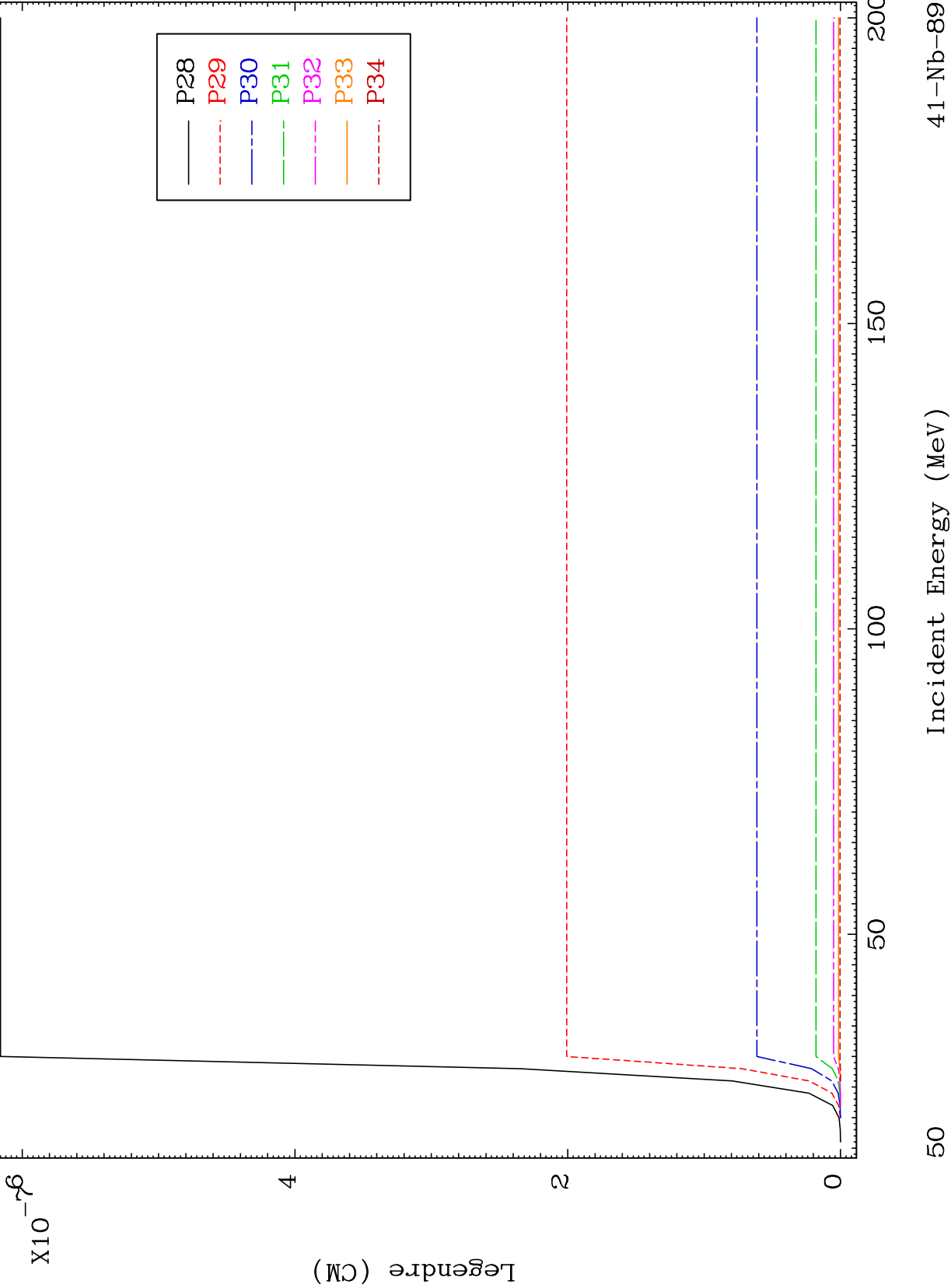
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

41-Nb-89



41-Nb-89

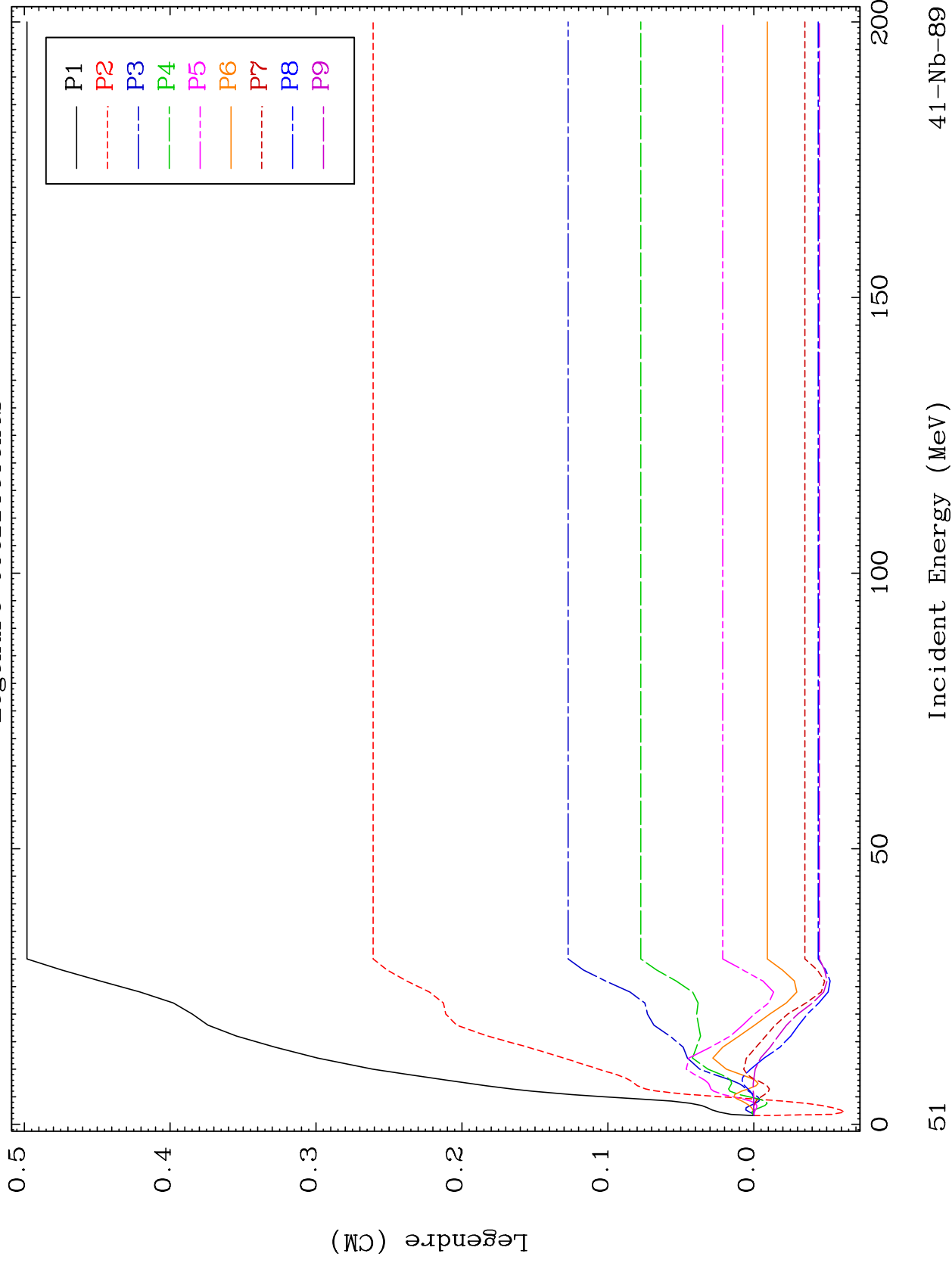
Incident Energy (MeV)

50

MAT 4113

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

41-Nb-89



41-Nb-89

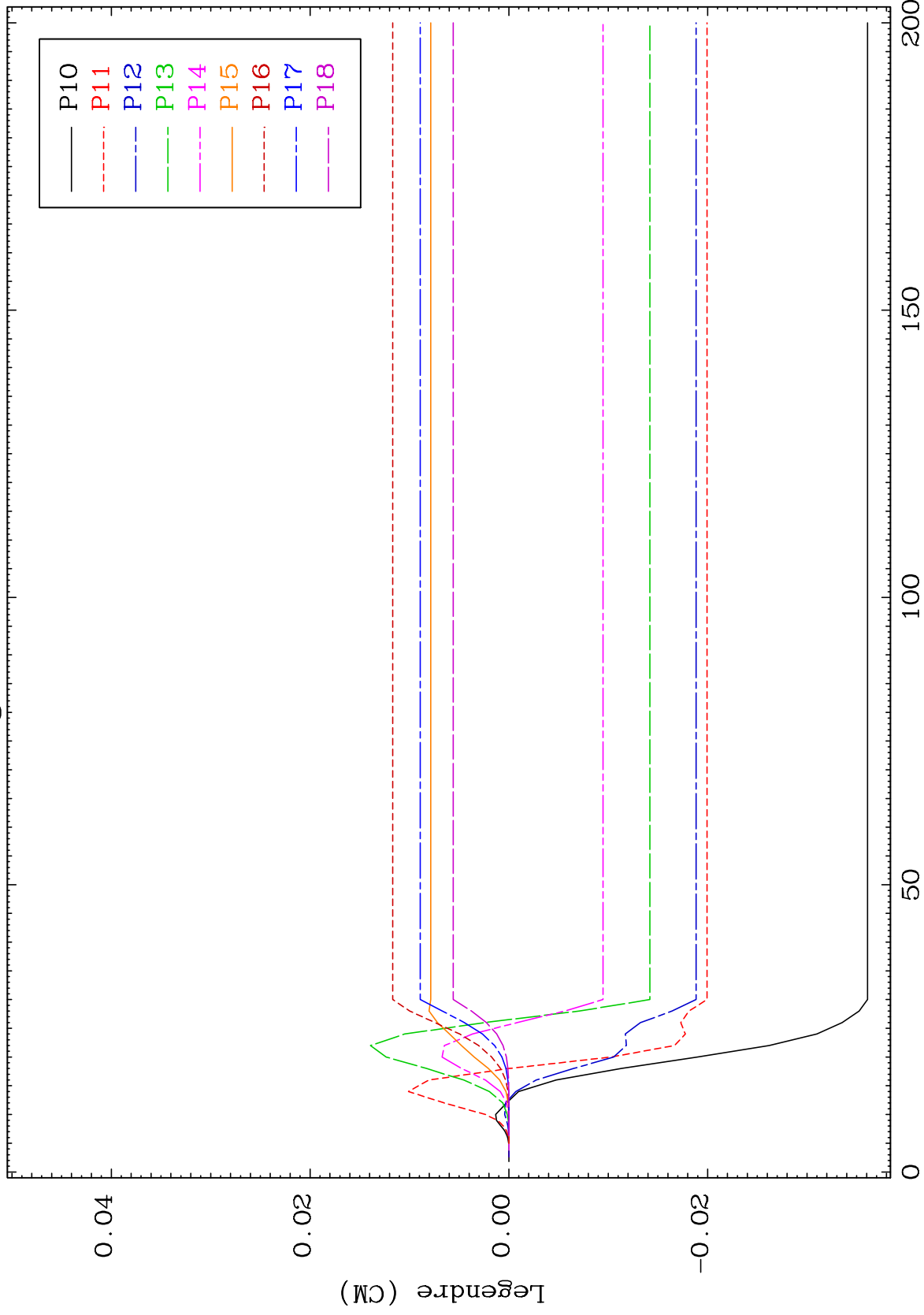
Incident Energy (MeV)

51

MAT 4113

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

41-Nb-89



52

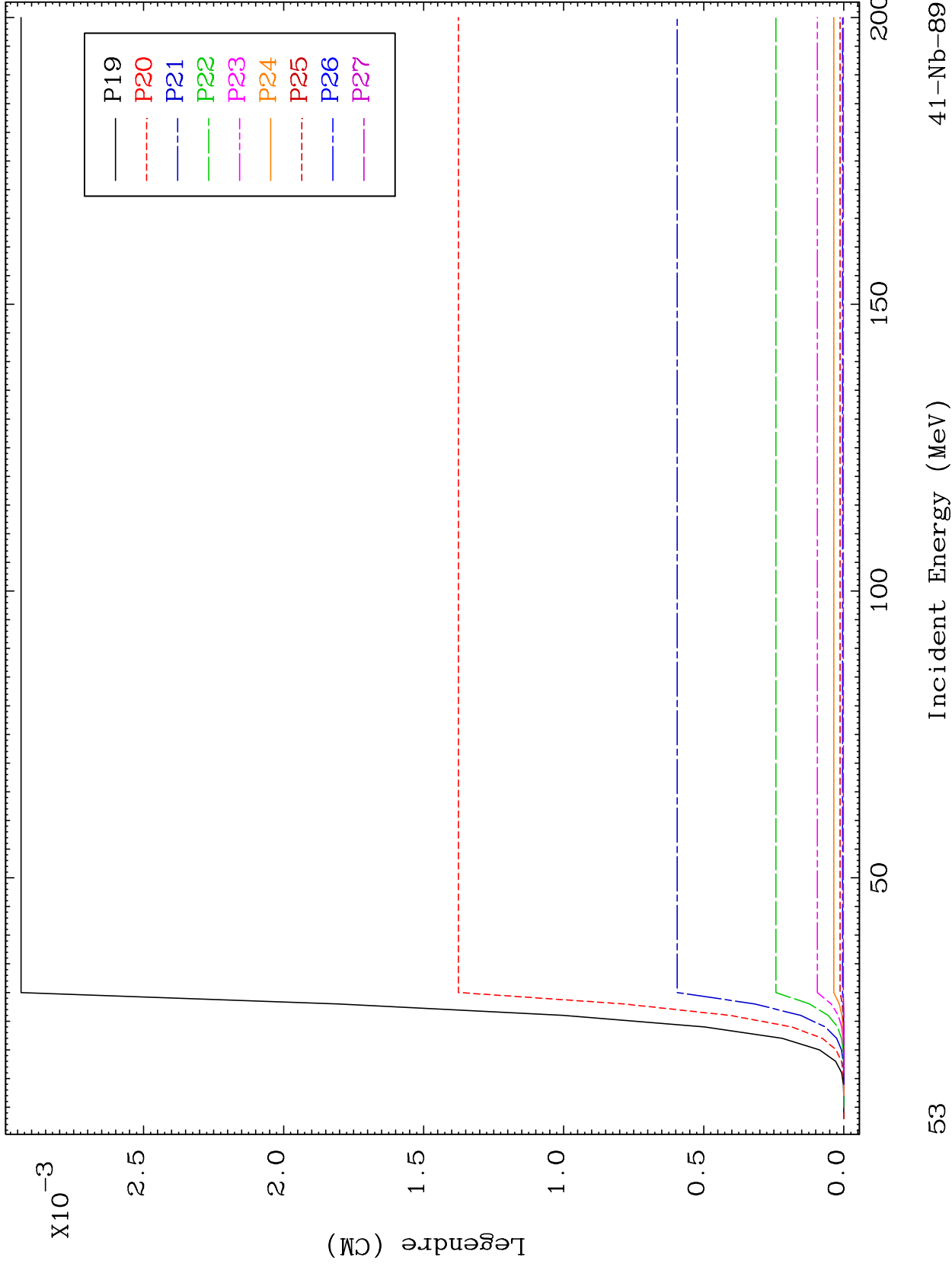
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

41-Nb-89



53

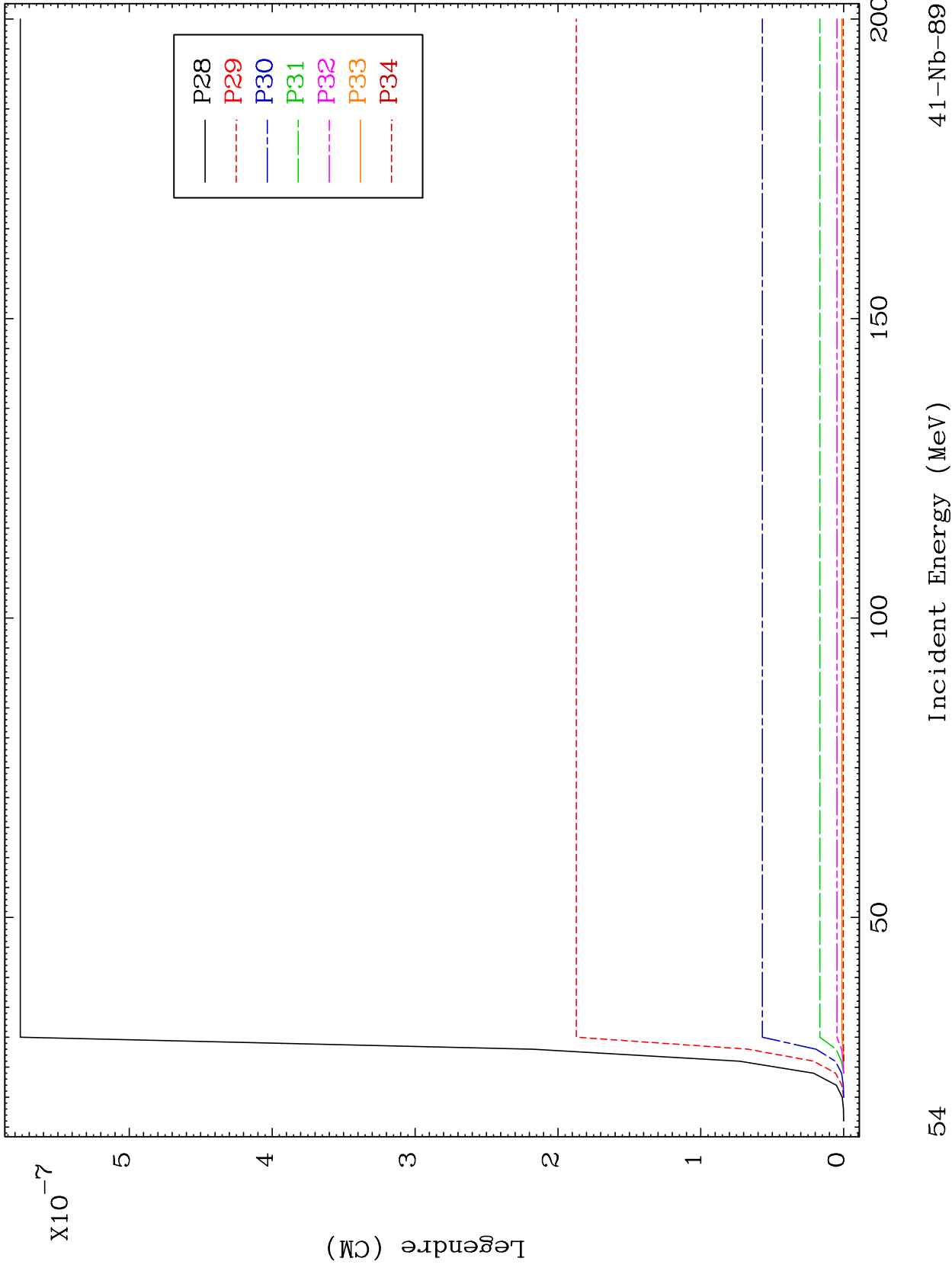
Incident Energy (MeV)

41-Nb-89

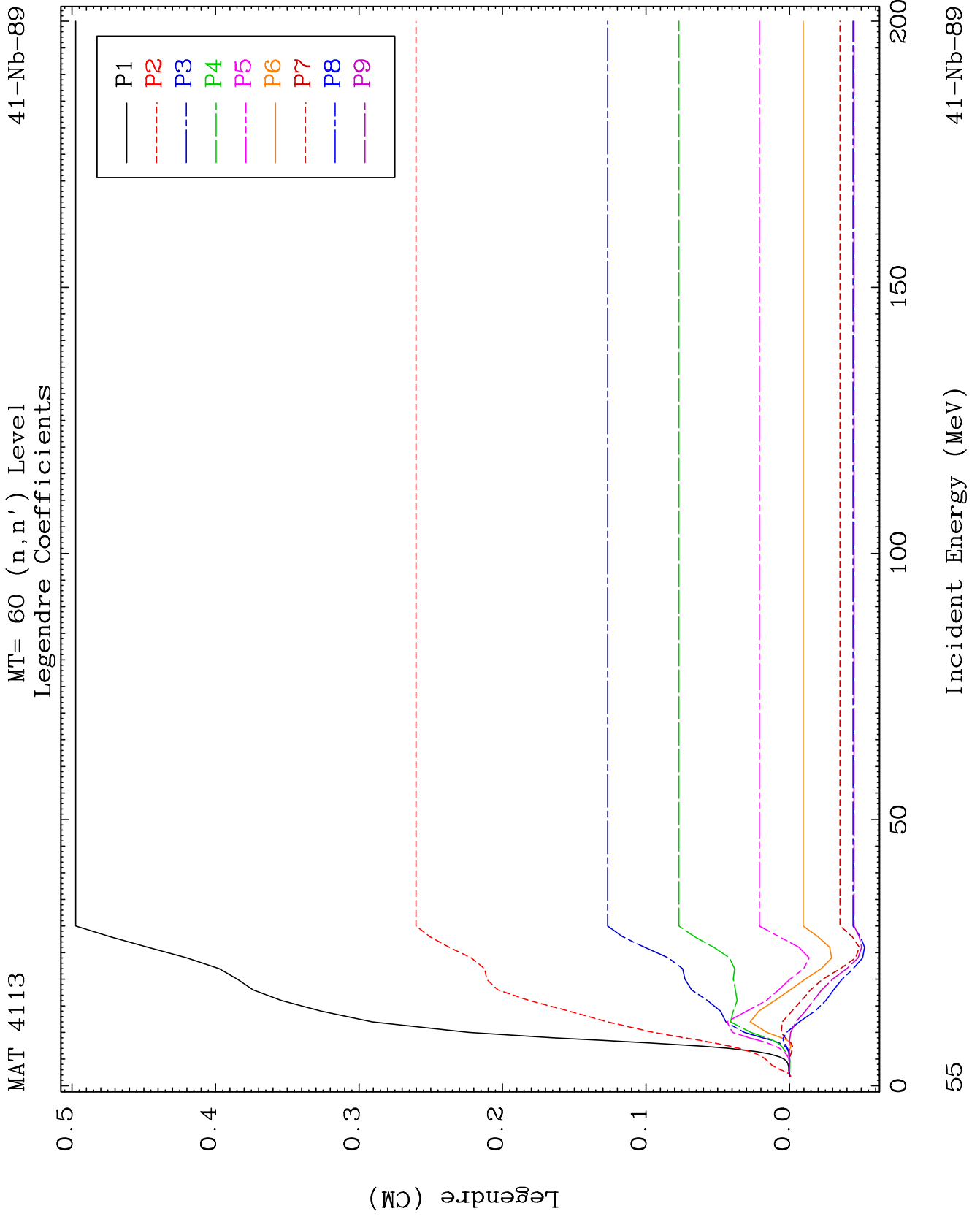
MAT 4113

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

41-Nb-89



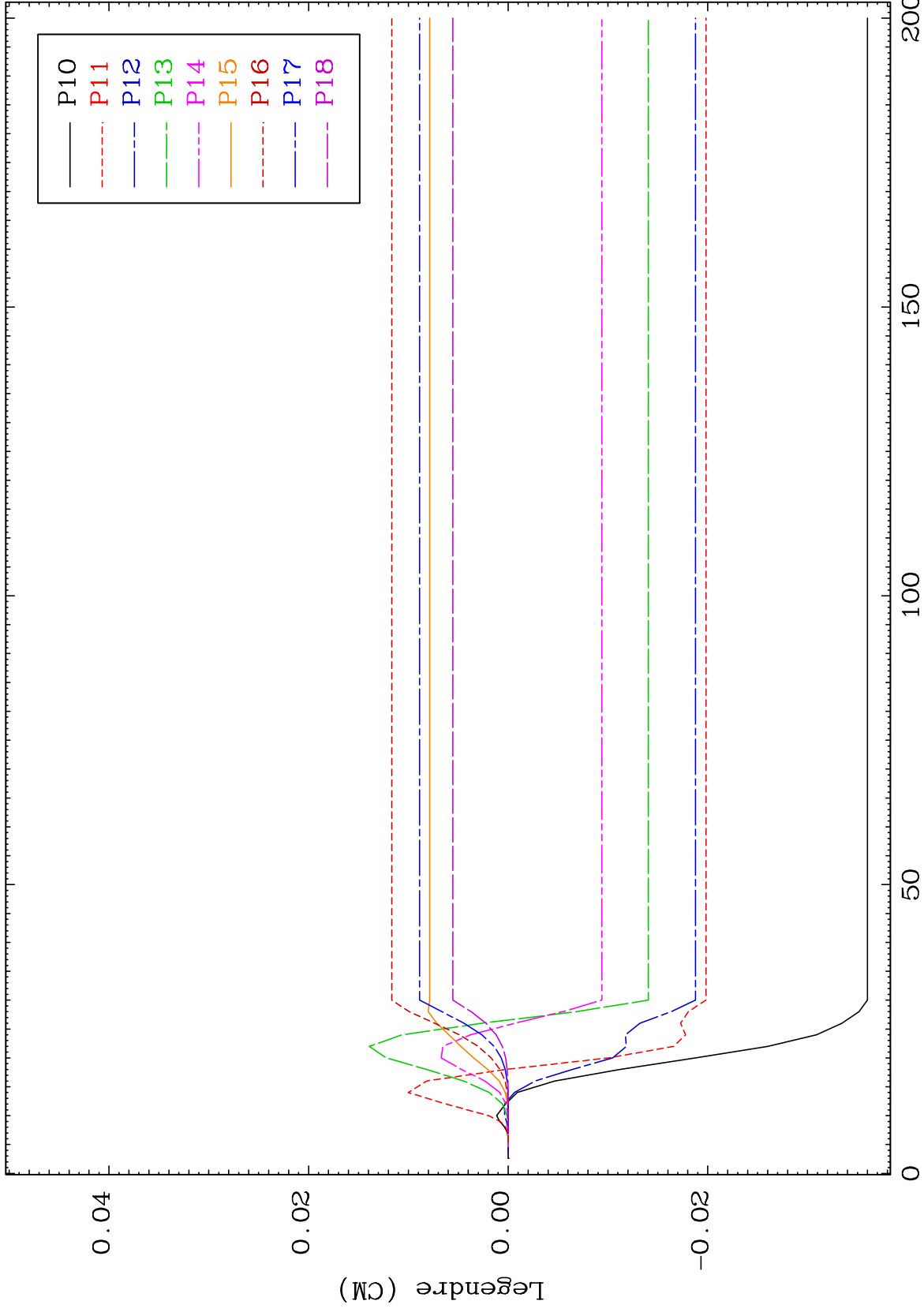
54



MAT 4113

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

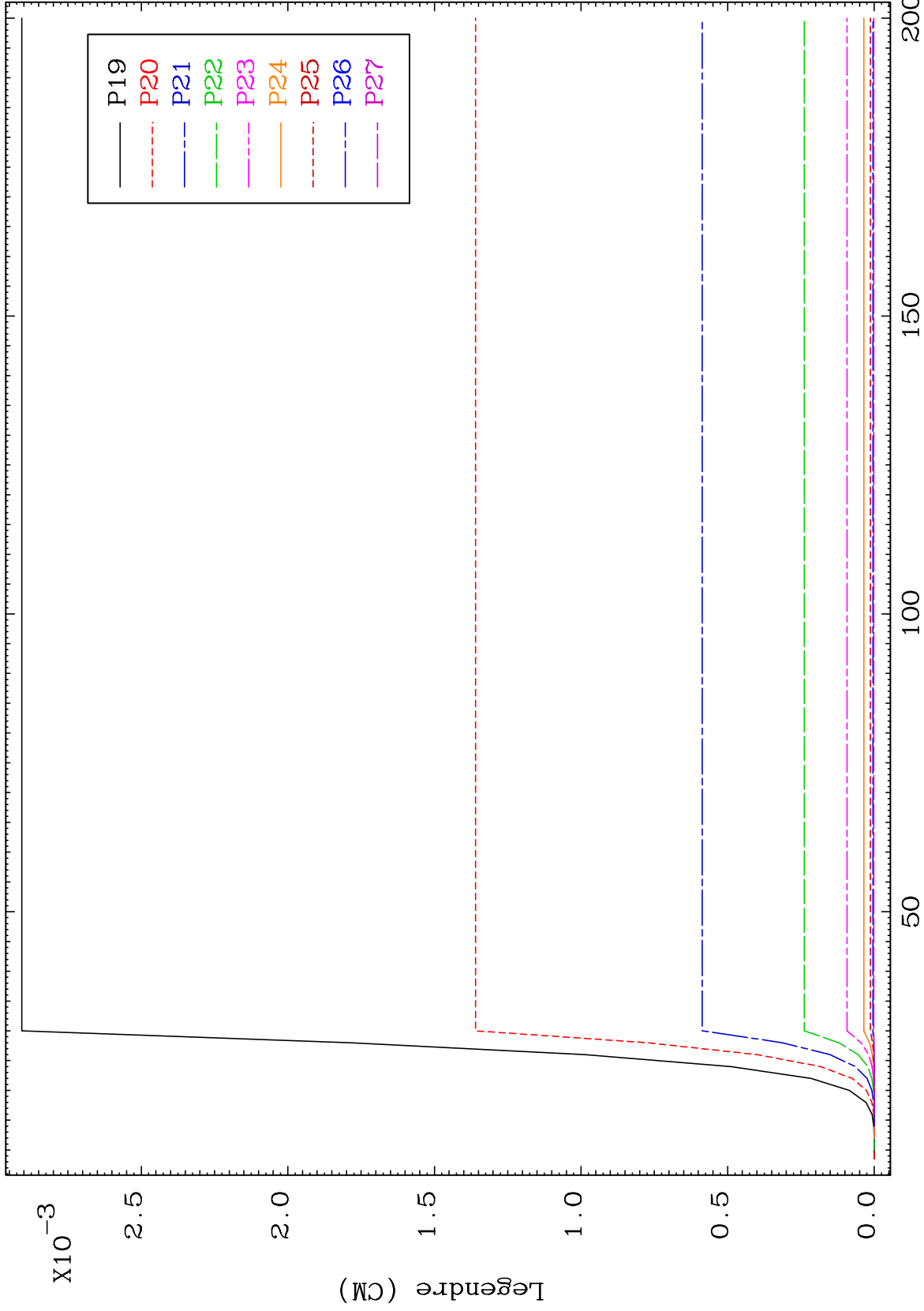
41-Nb-89



56

Incident Energy (MeV)

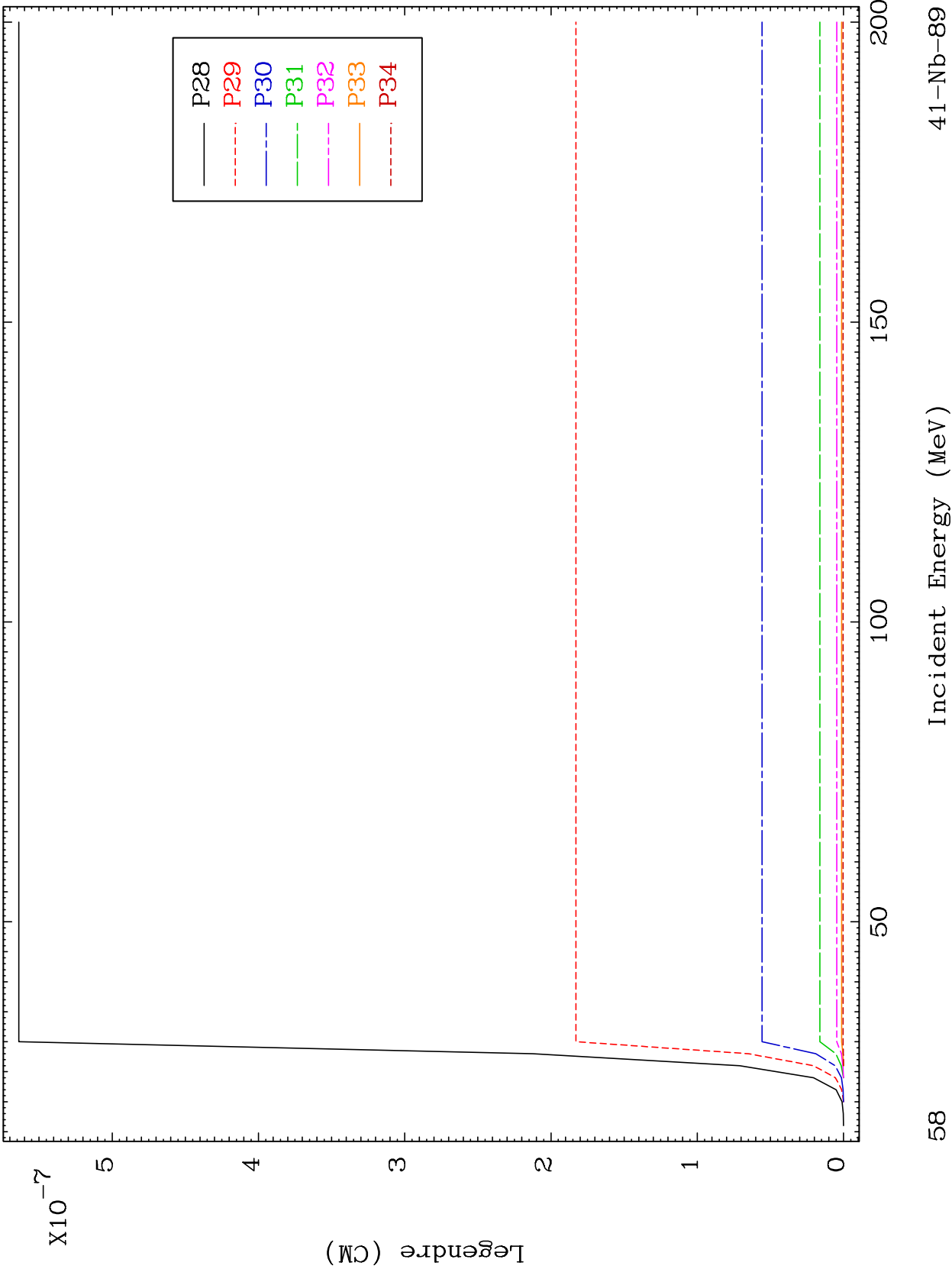
41-Nb-89



MAT 4113

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

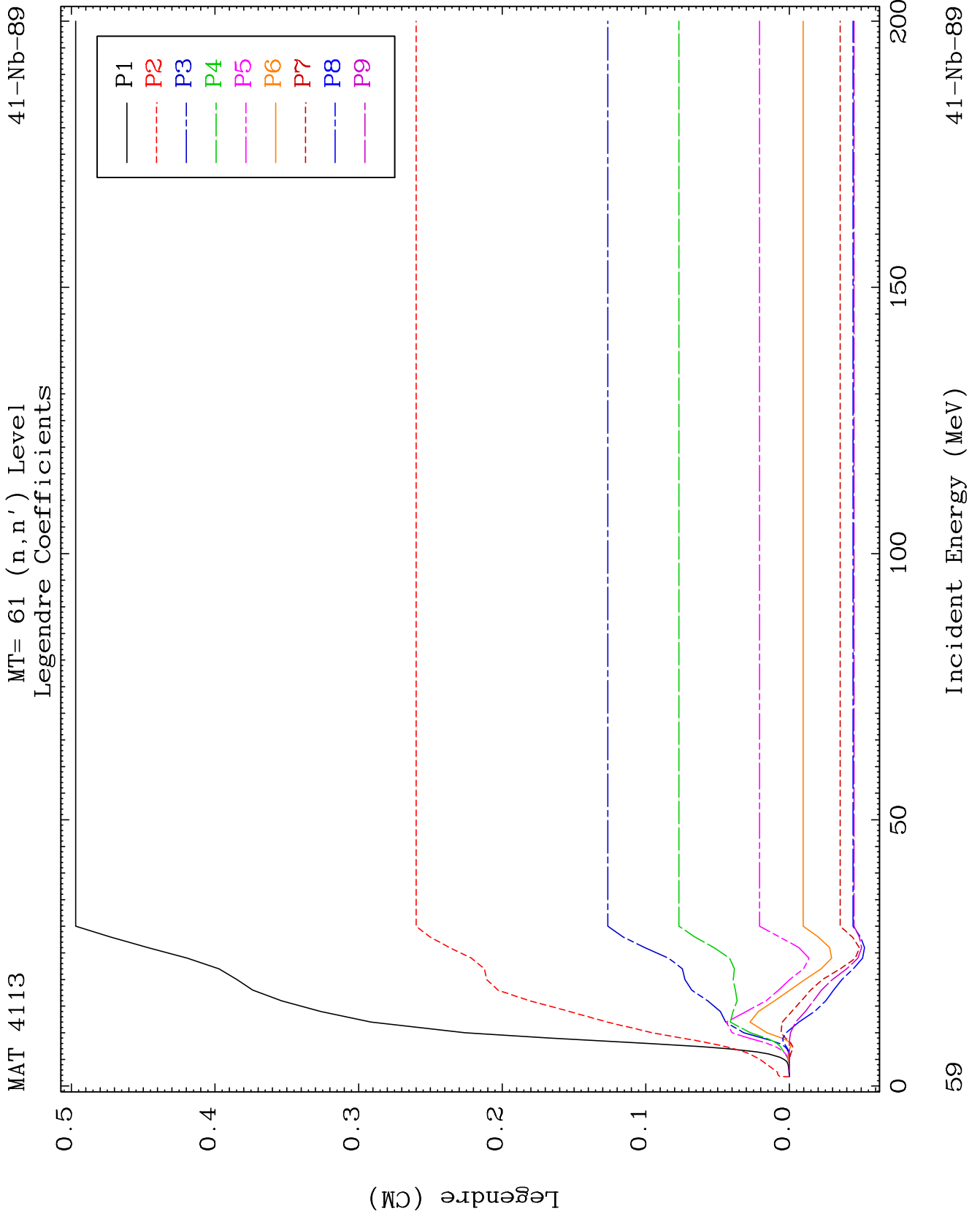
41-Nb-89



58

Incident Energy (MeV)

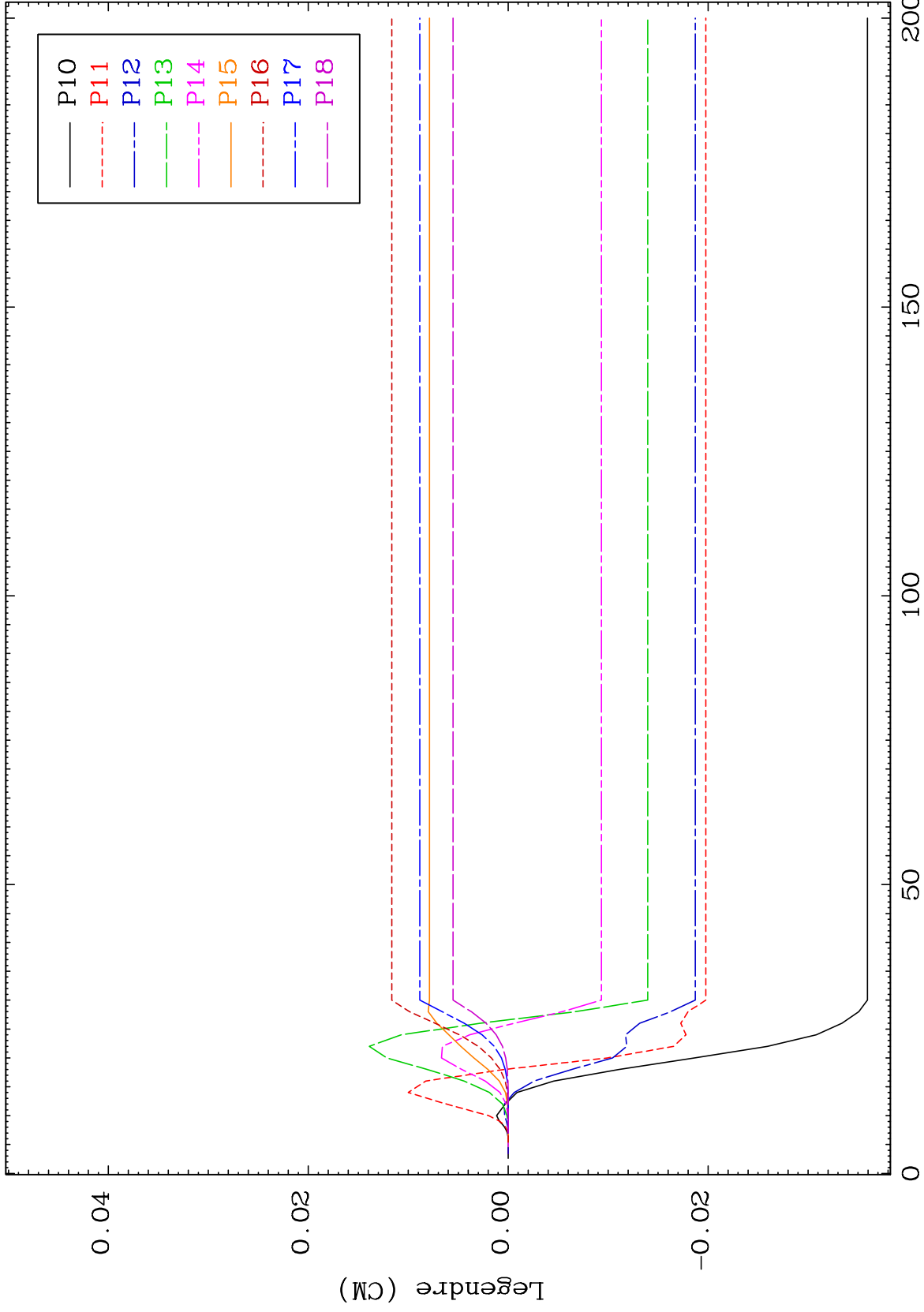
41-Nb-89



MAT 4113

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

41-Nb-89



60

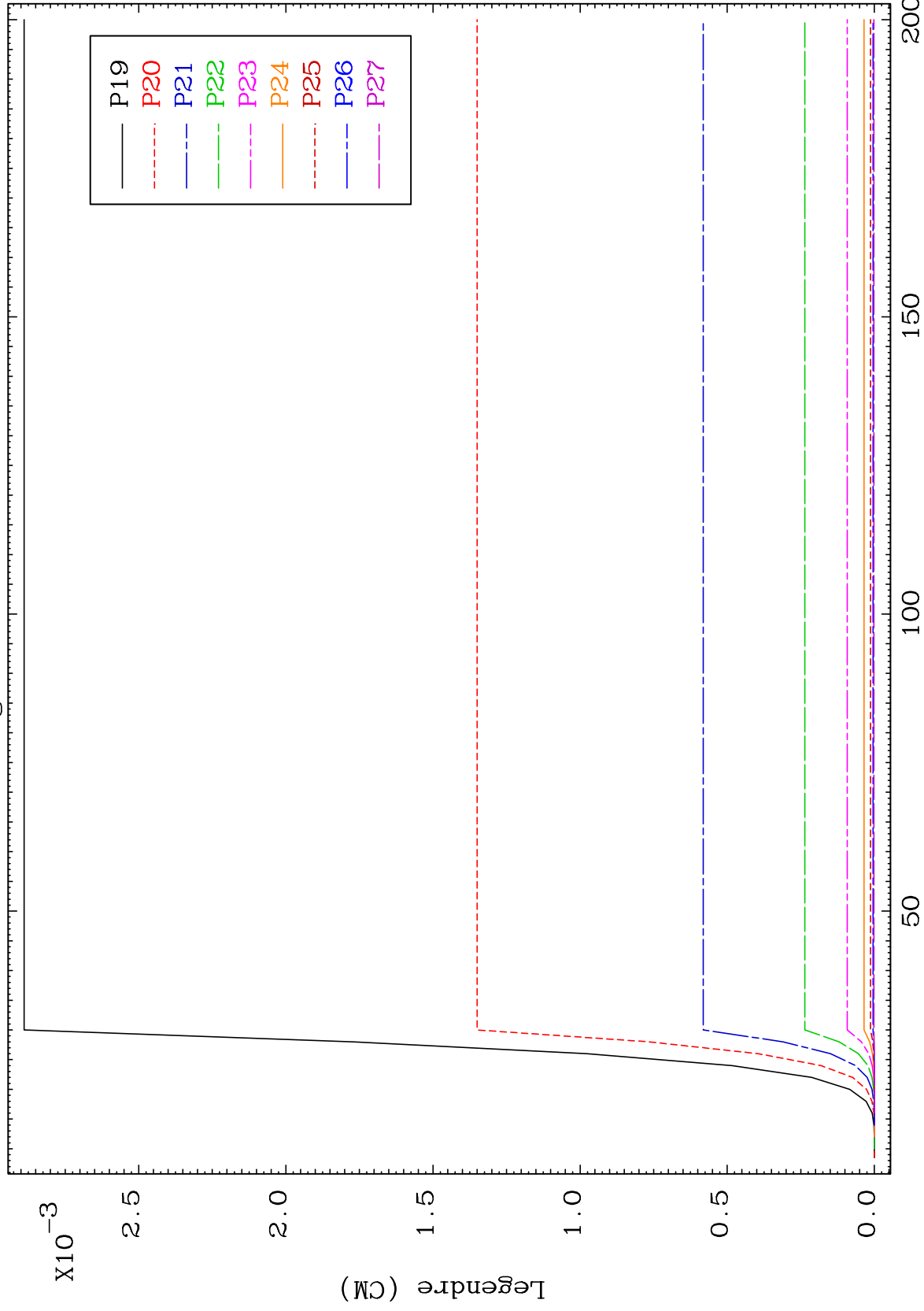
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

41-Nb-89



61

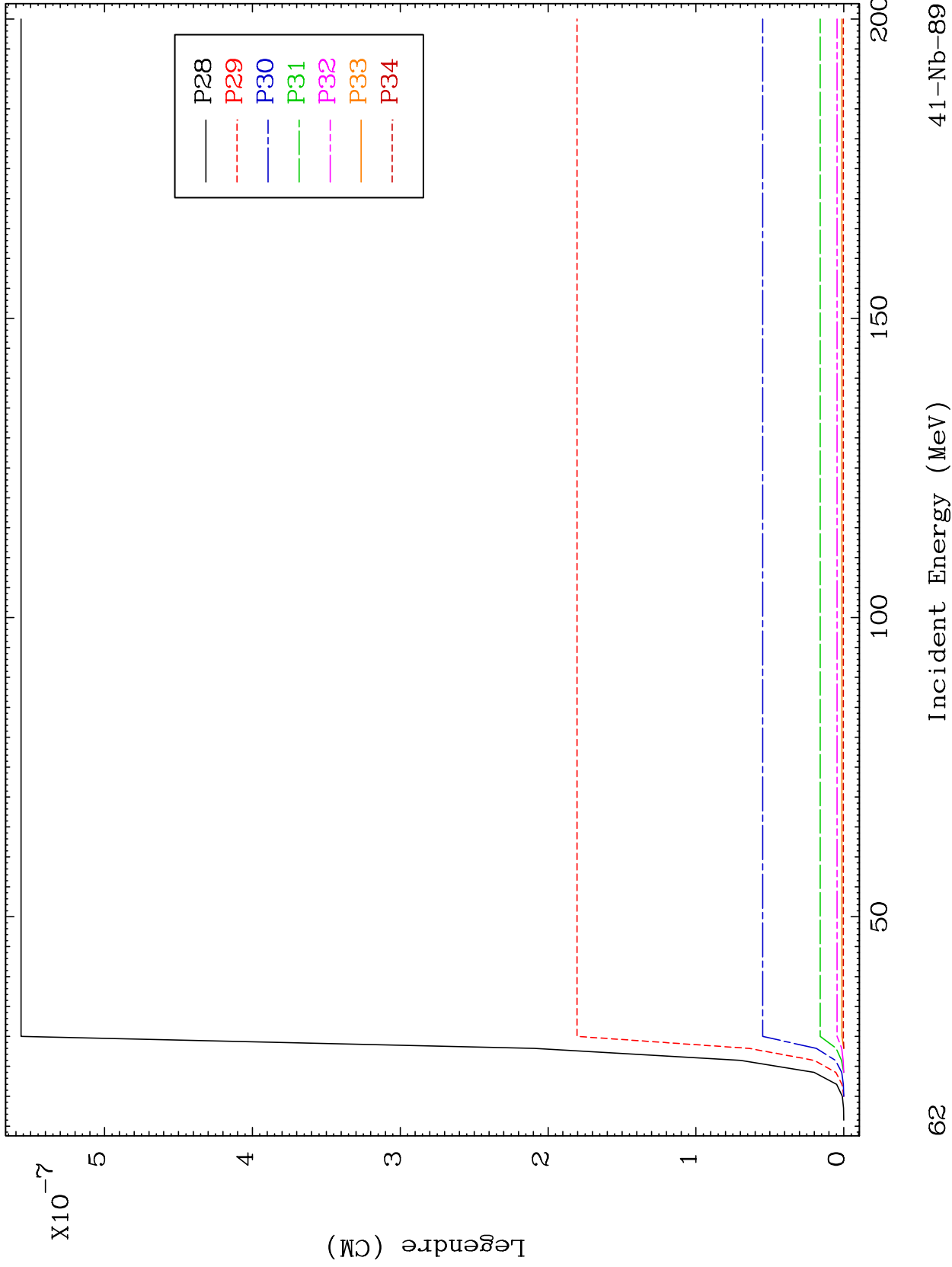
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

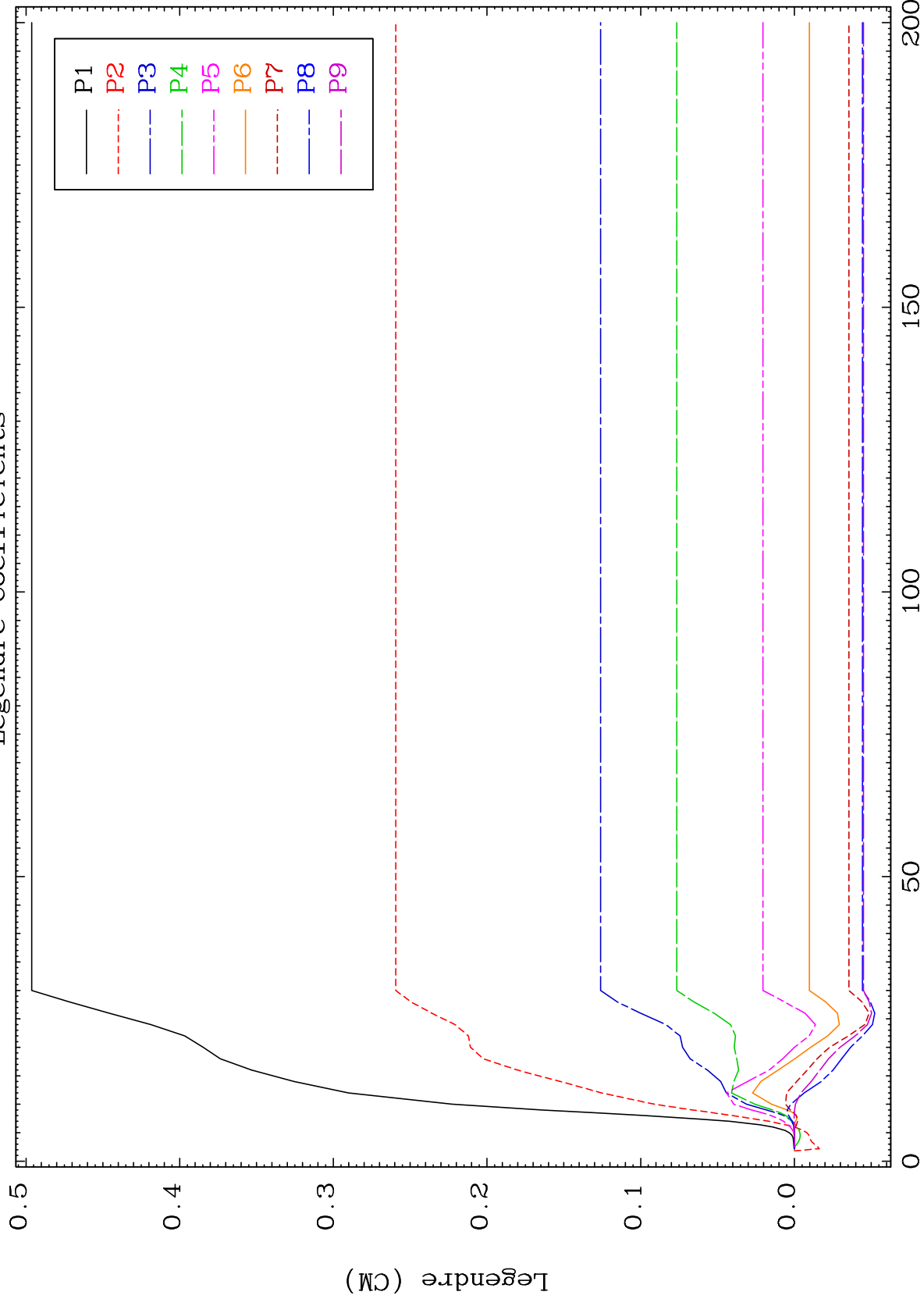
41-Nb-89



MAT 4113

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

41-Nb-89



63

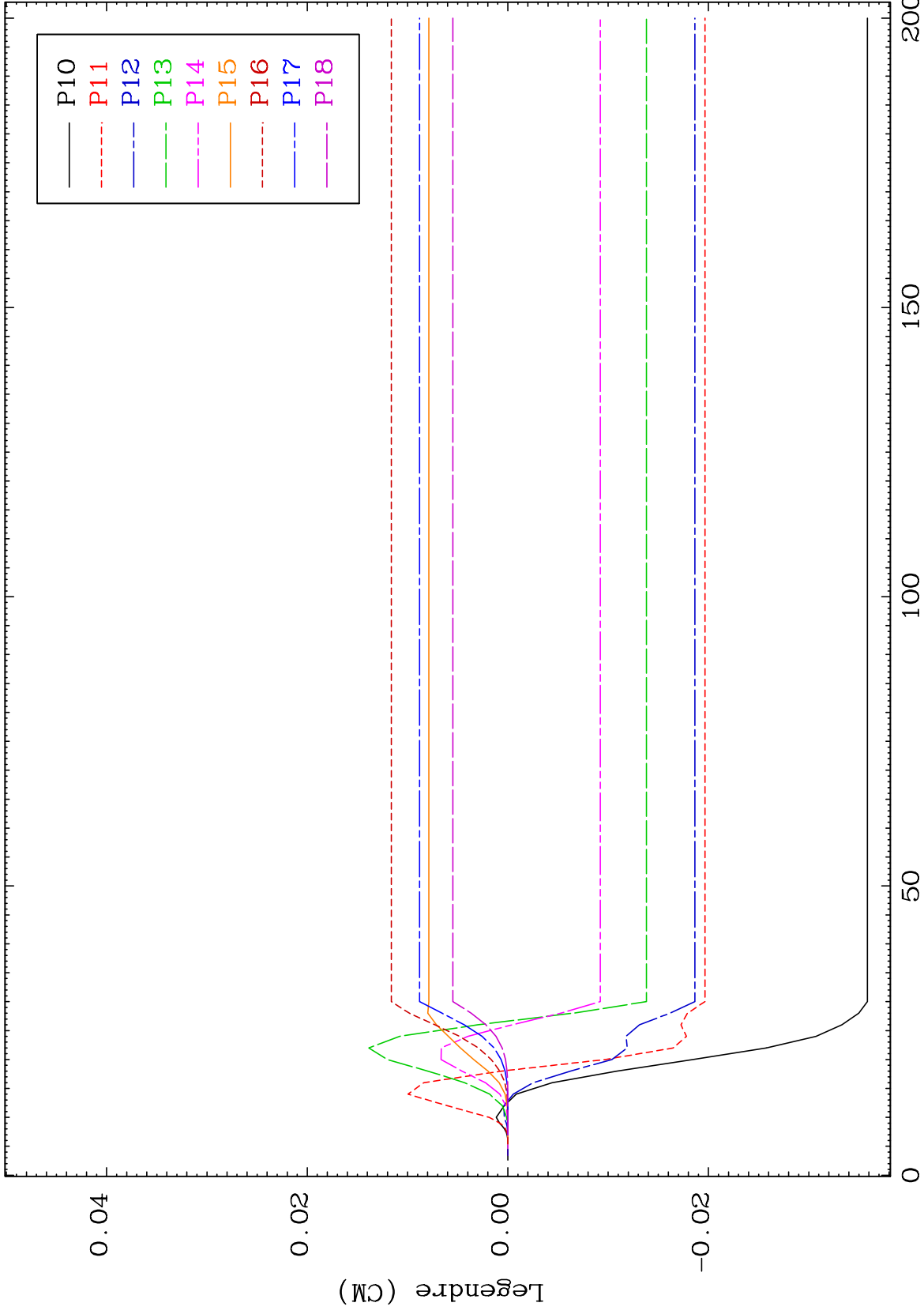
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

41-Nb-89



64

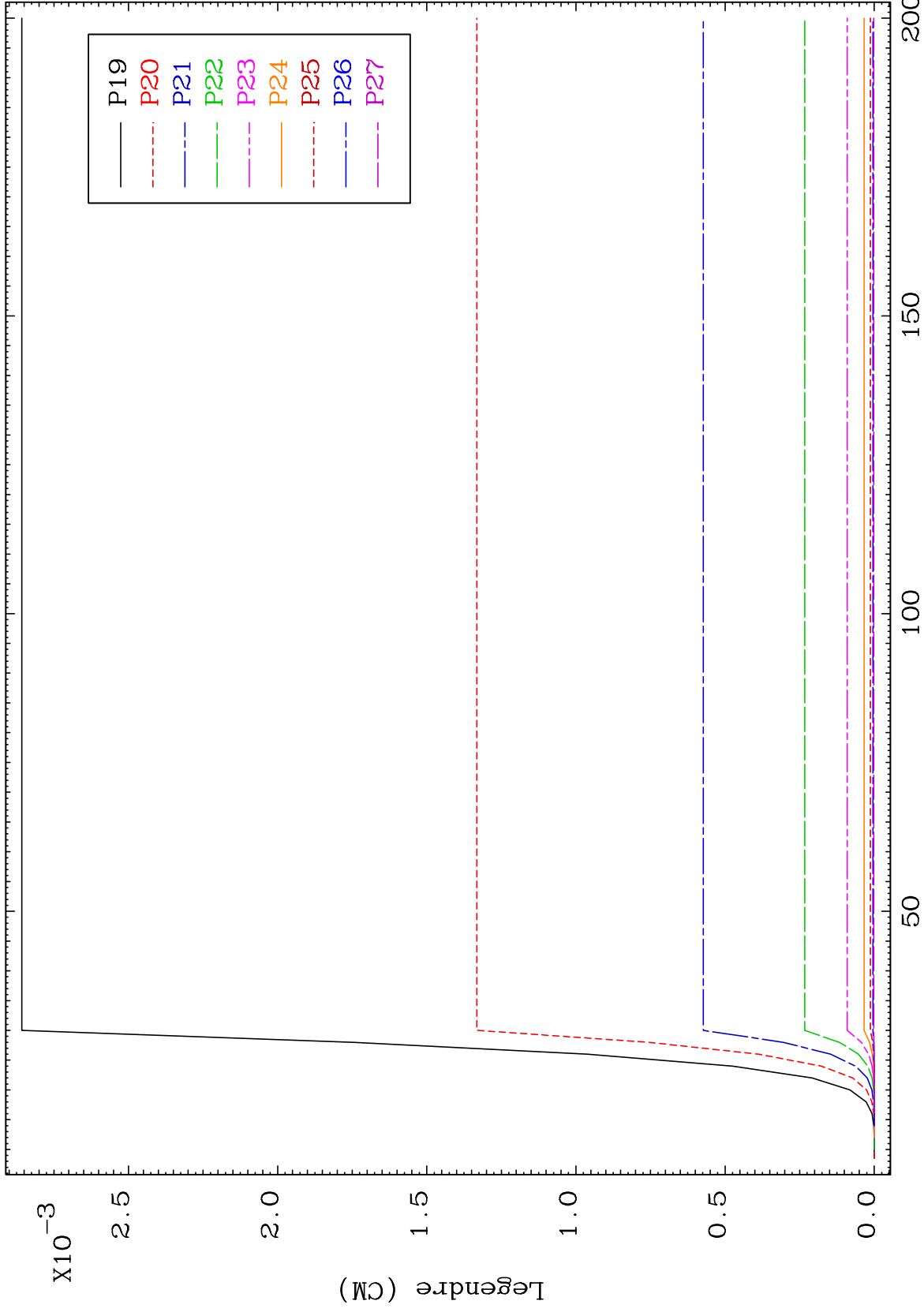
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

41-Nb-89



65

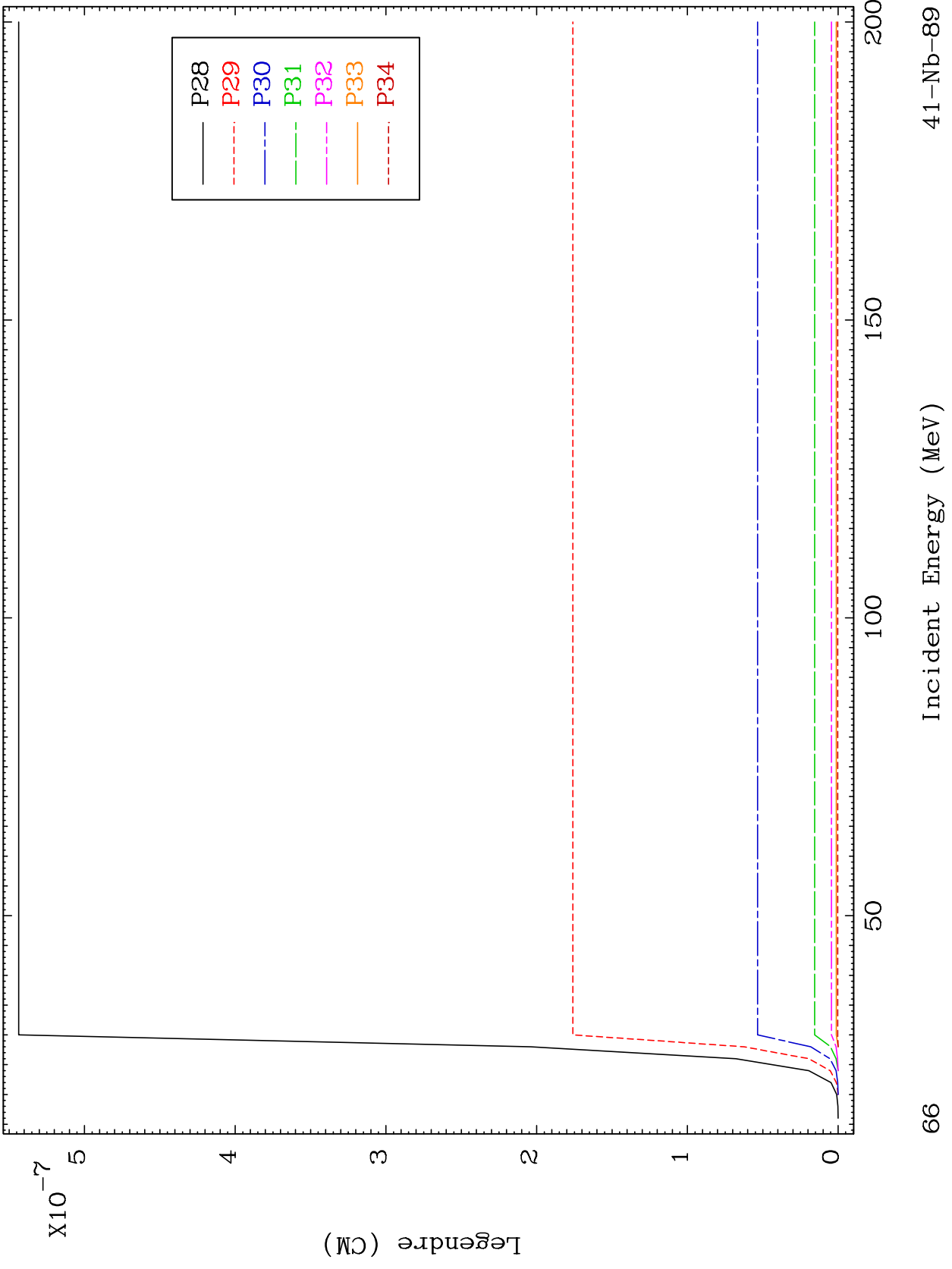
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

41-Nb-89



66

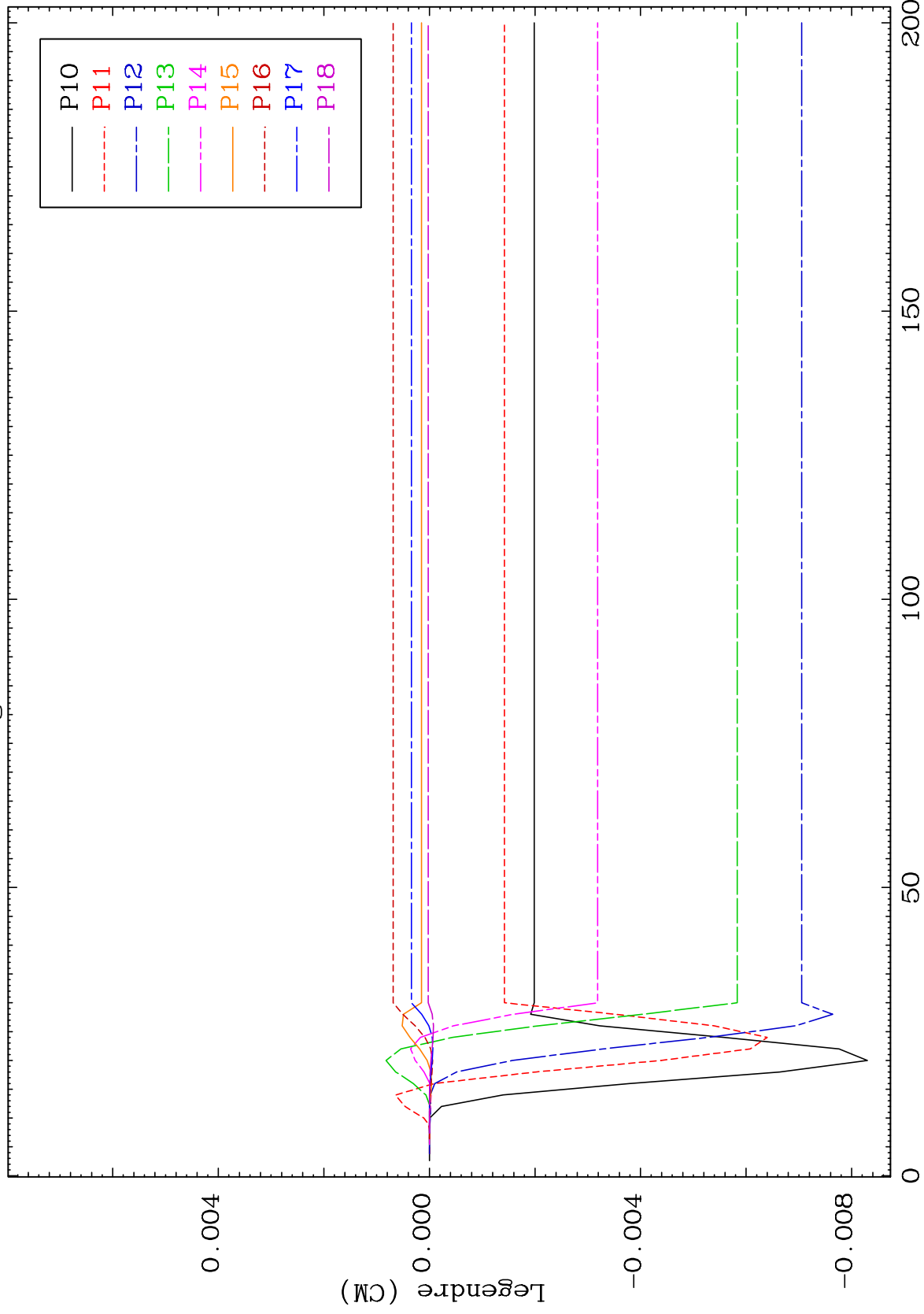
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

41-Nb-89



68

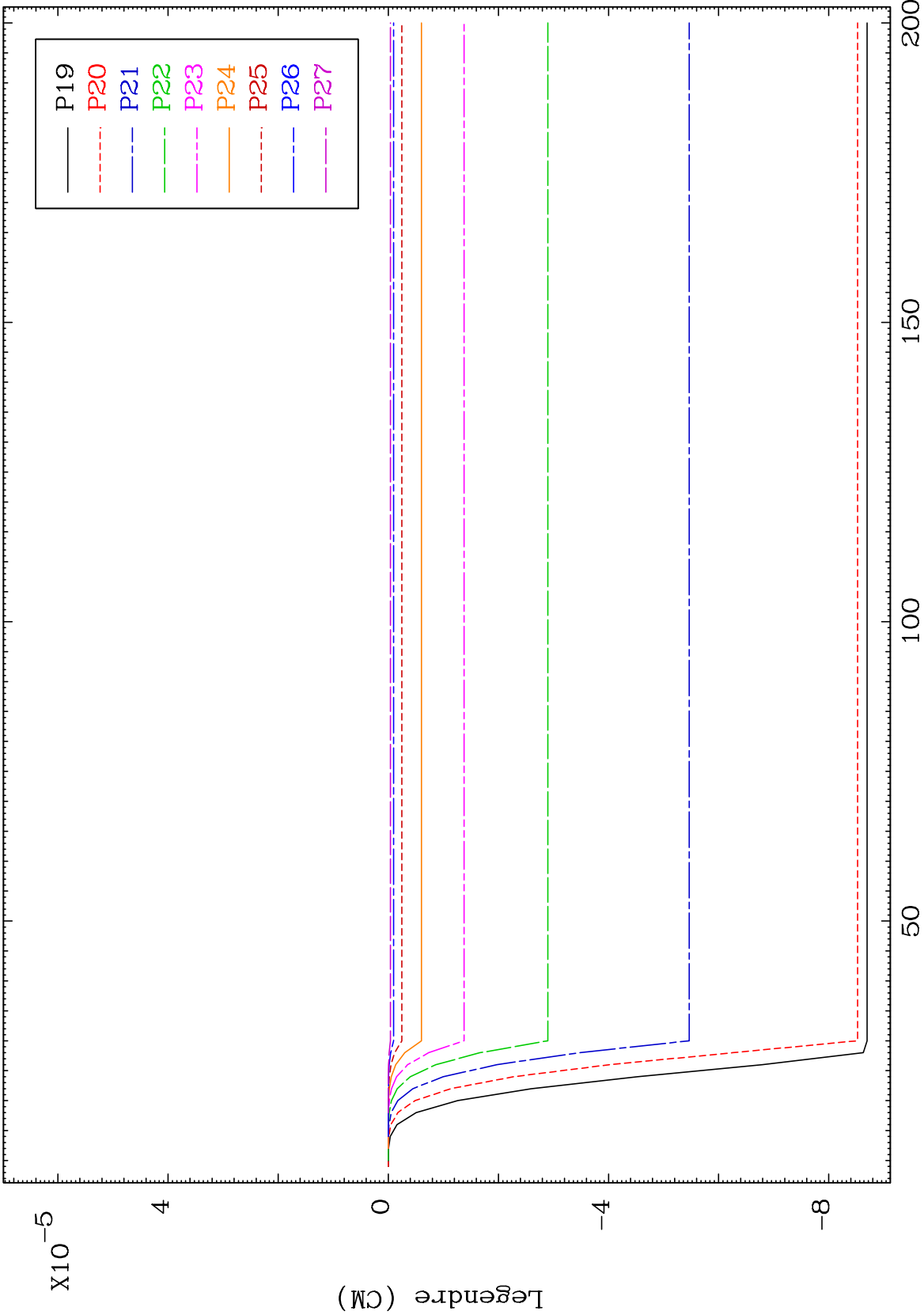
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

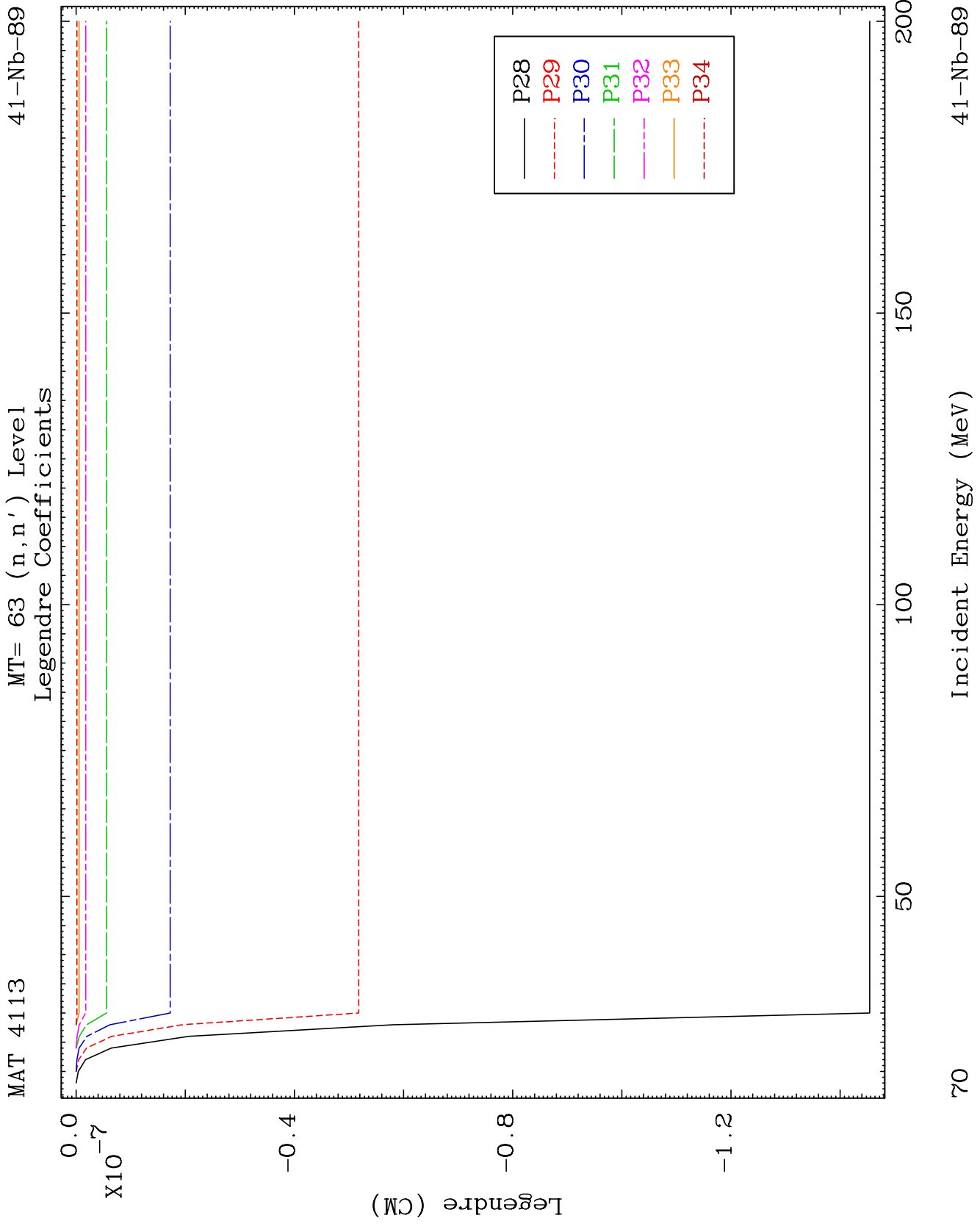
41-Nb-89



69

Incident Energy (MeV)

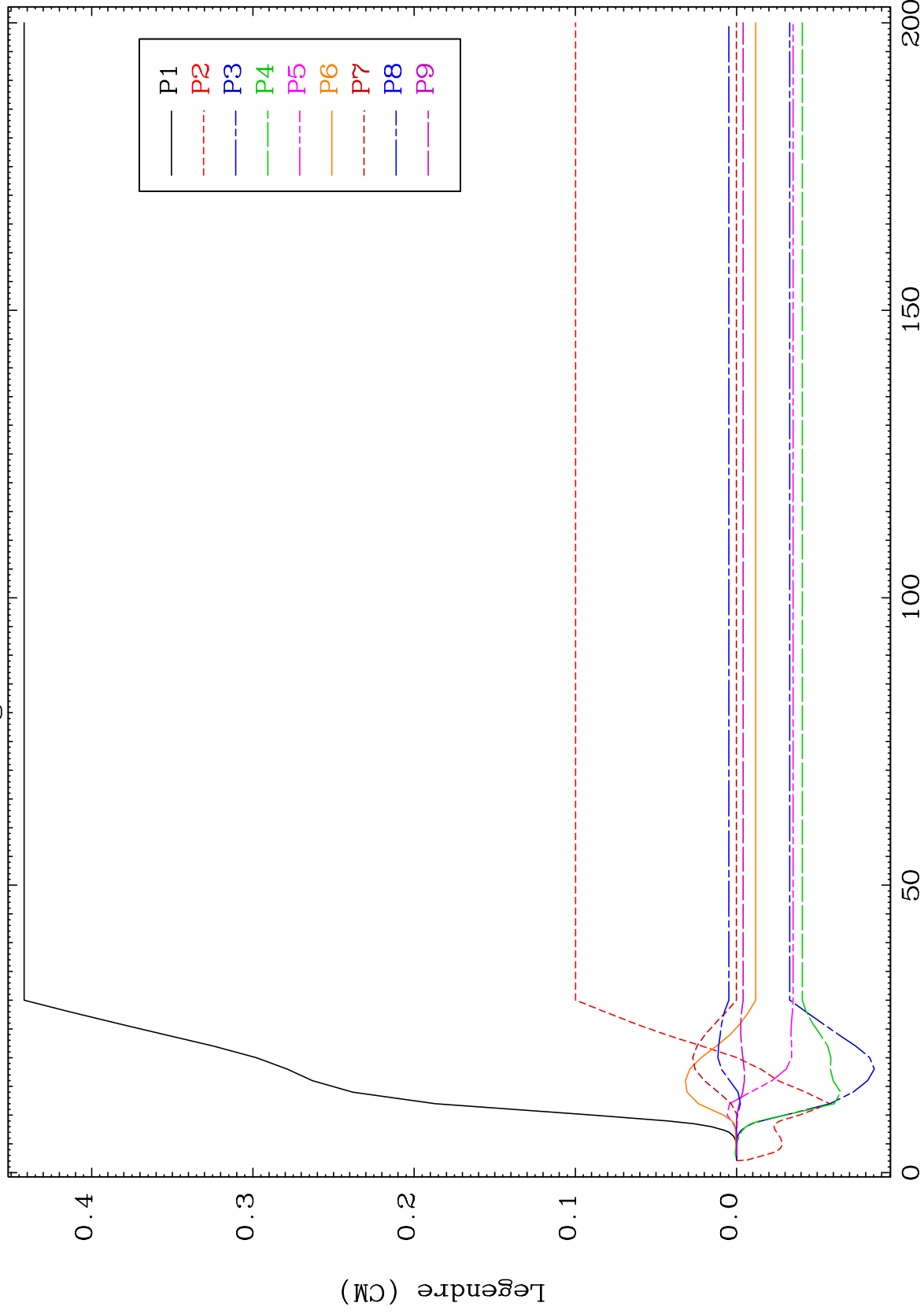
41-Nb-89



MAT 4113

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

41-Nb-89



71

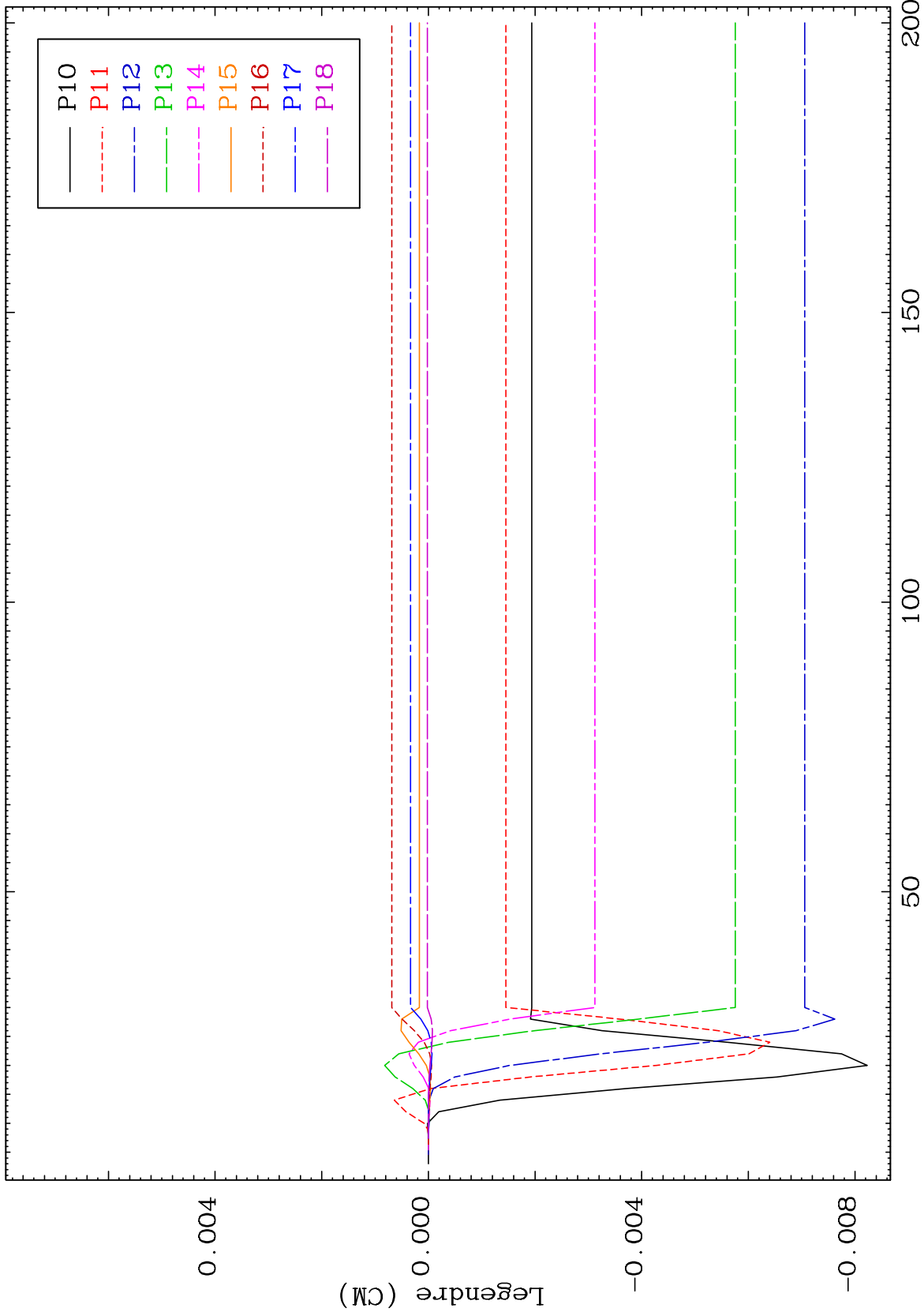
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

41-Nb-89



72

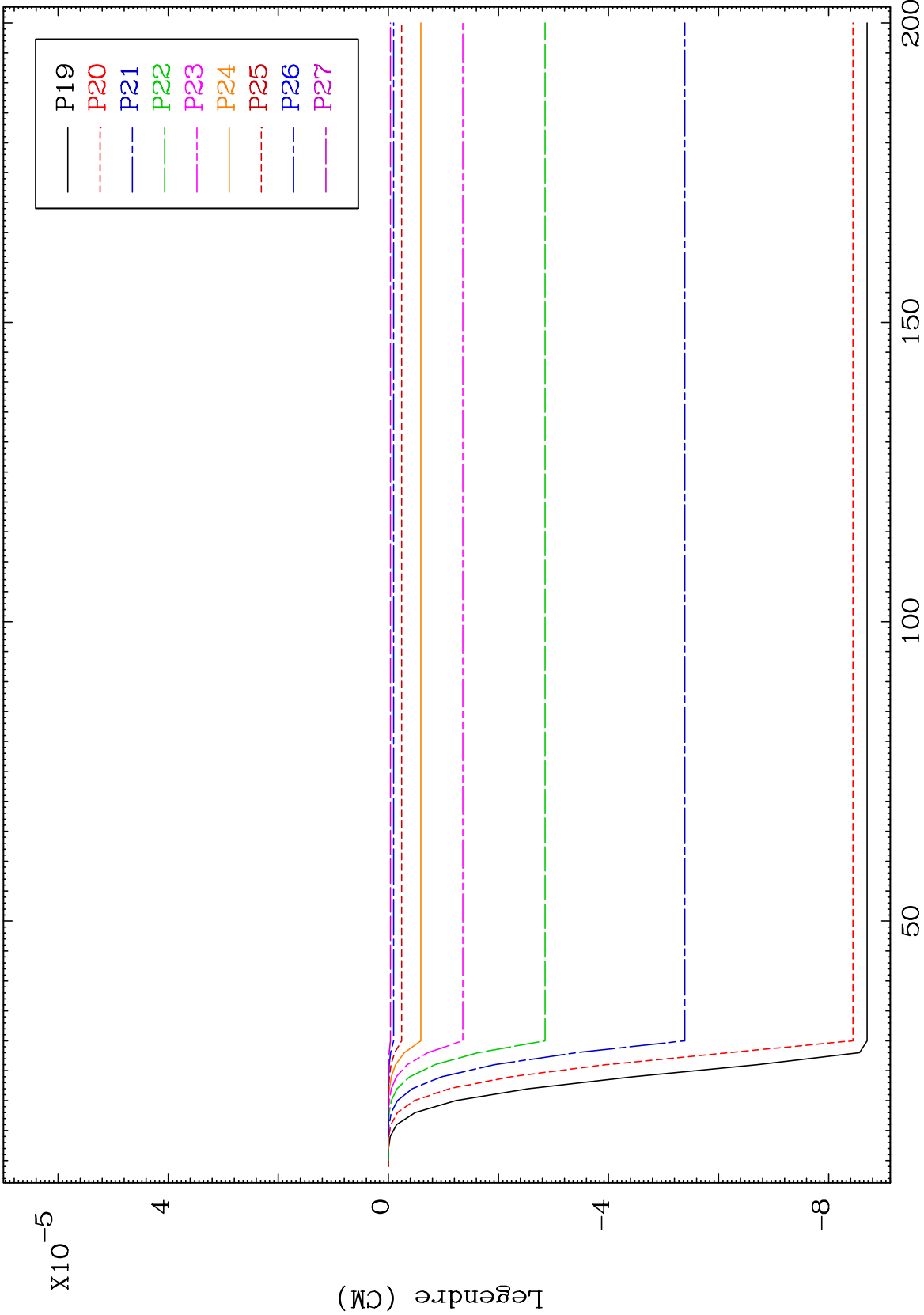
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

41-Nb-89



73

Incident Energy (MeV)

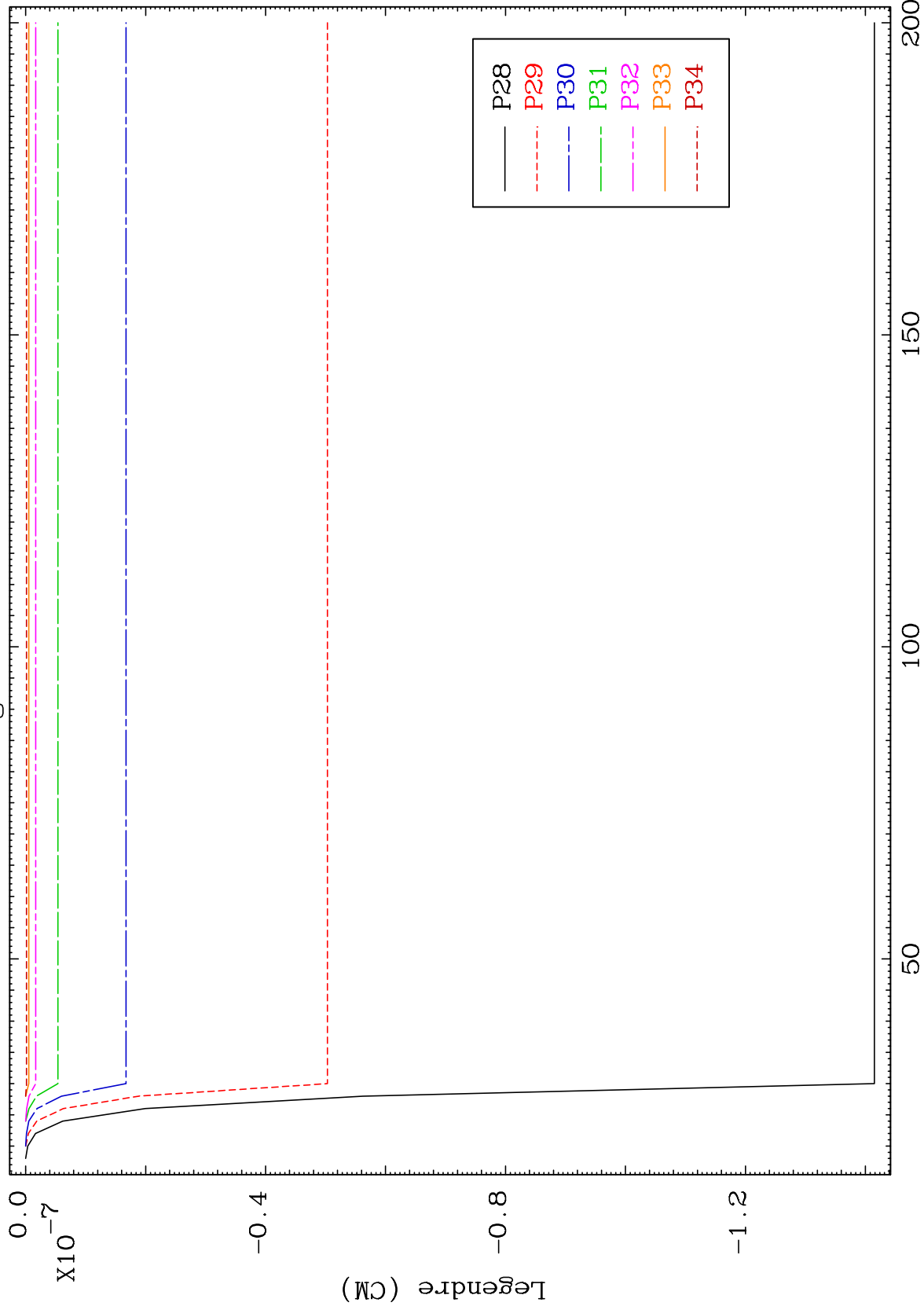
41-Nb-89

MAT 4113

MT= 64 (n,n') Level

41-Nb-89

Legendre Coefficients



74

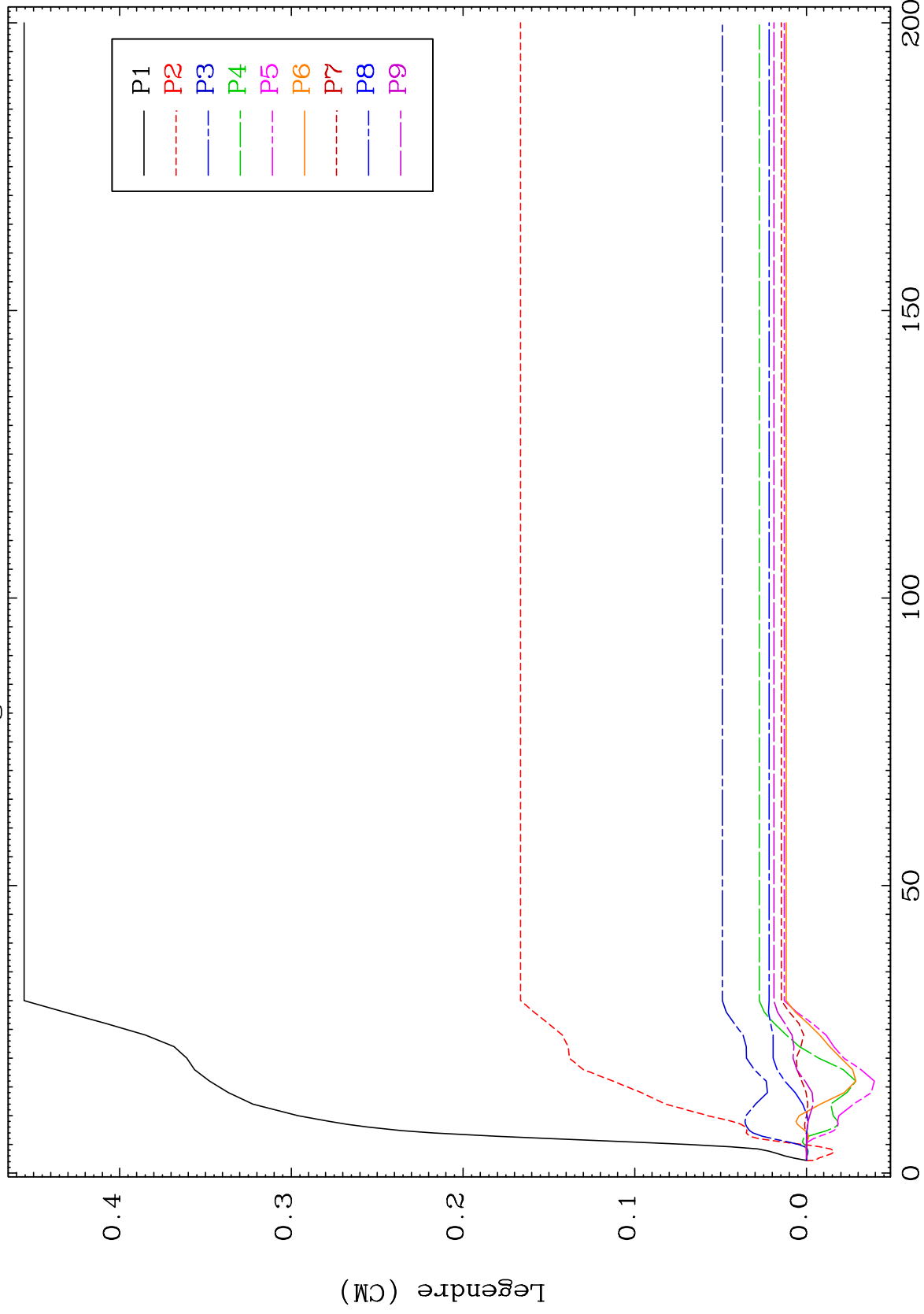
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

41-Nb-89



75

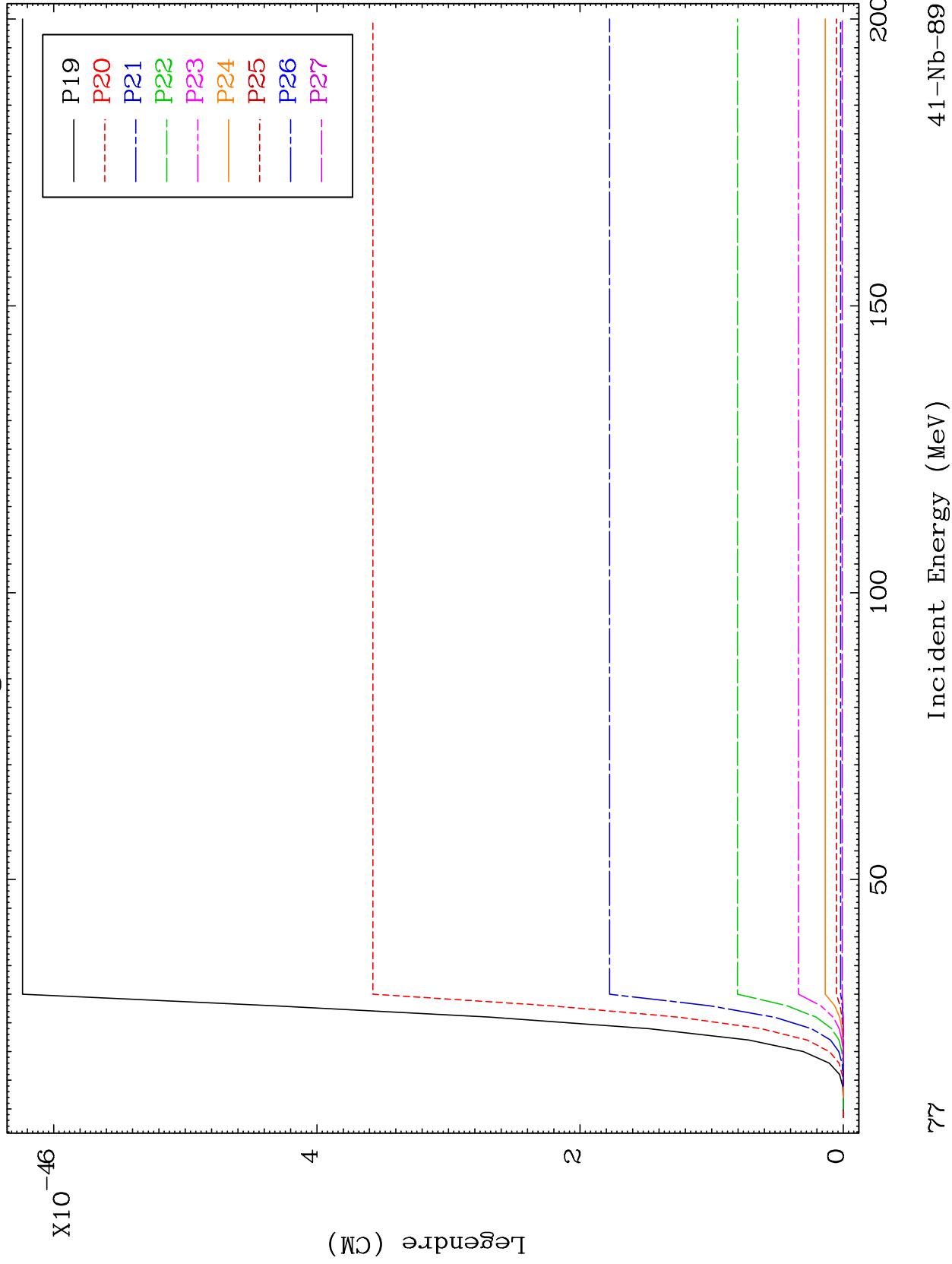
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

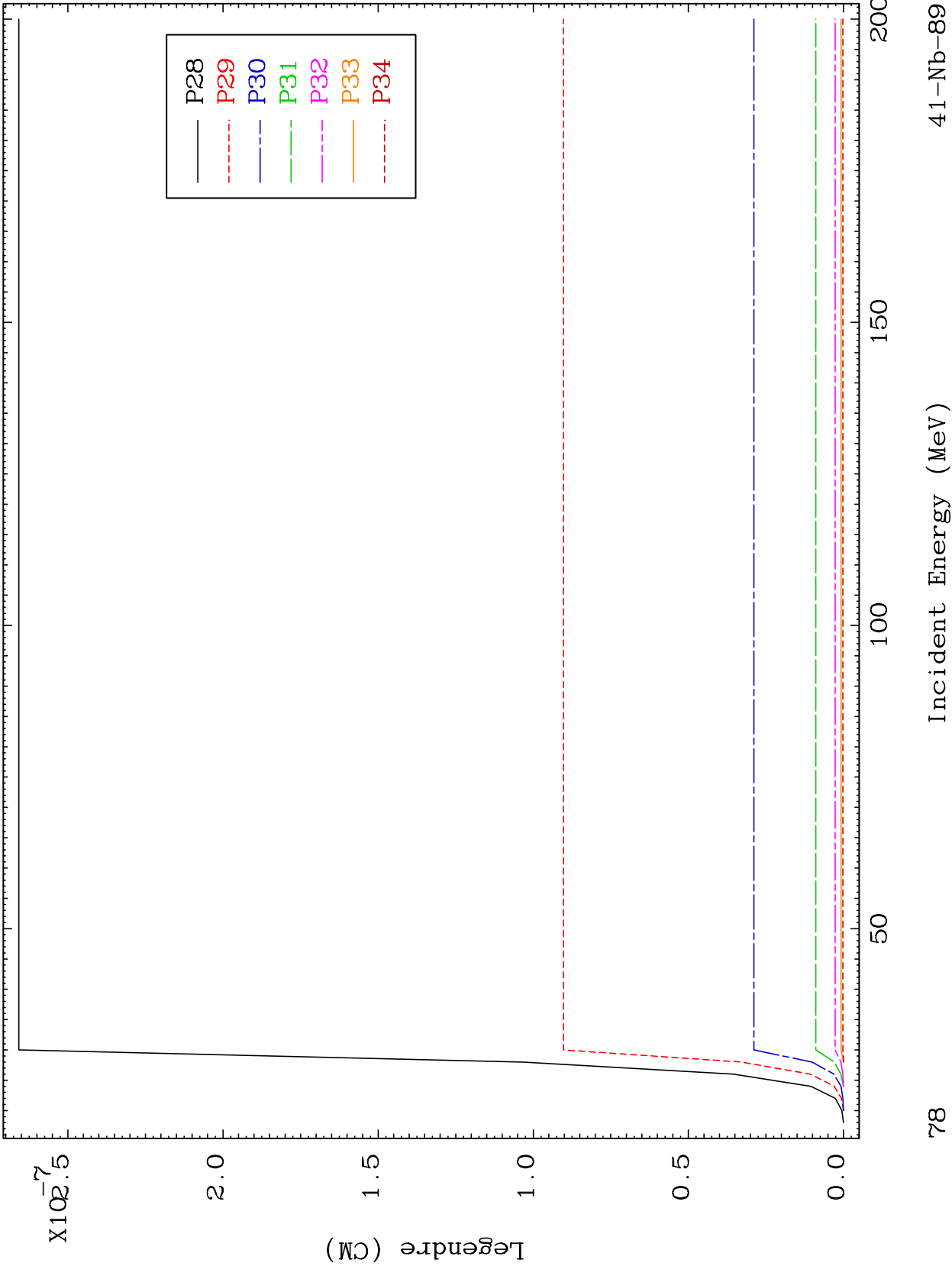
41-Nb-89



MAT 4113

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

41-Nb-89



78

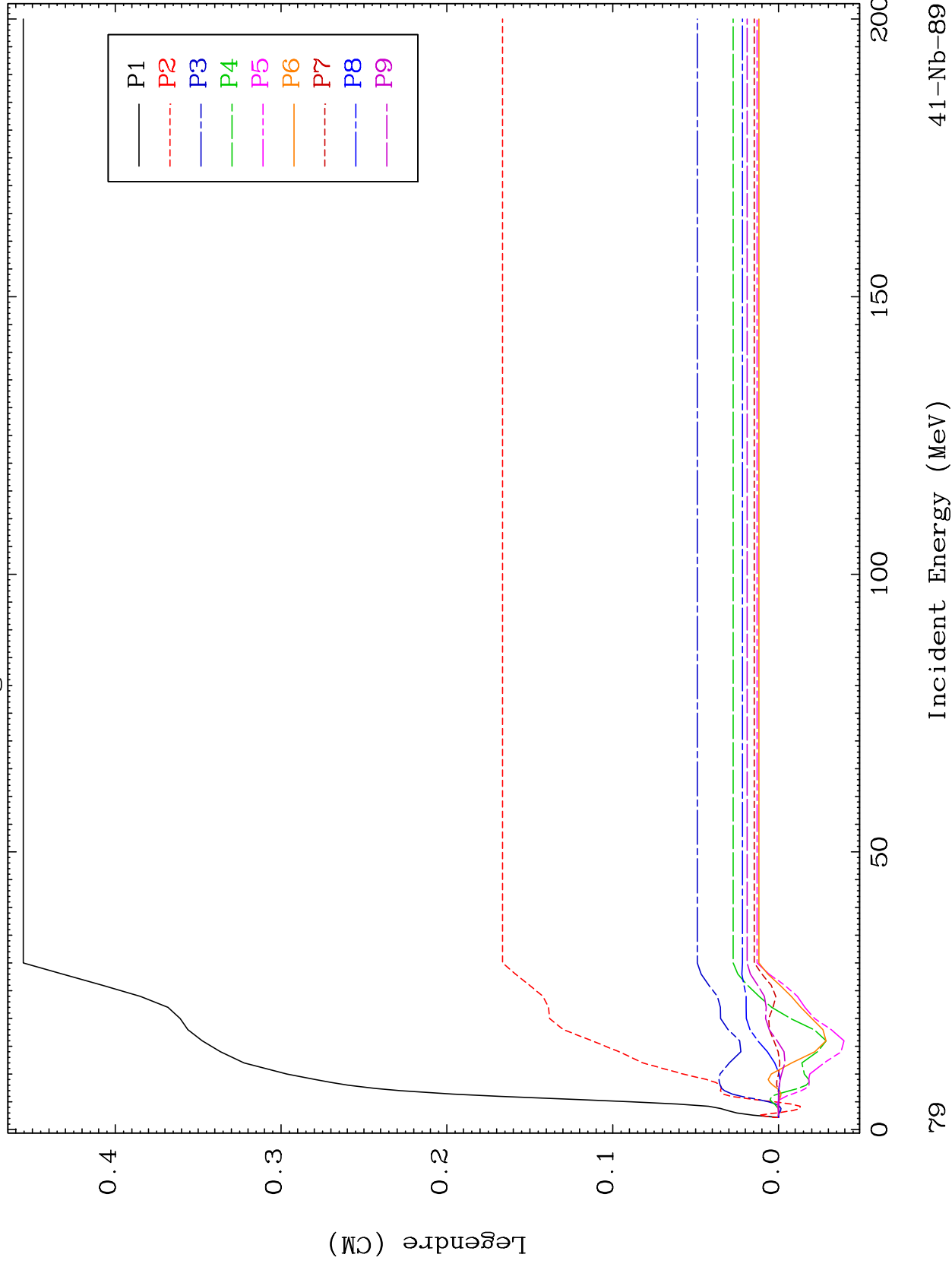
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

41-Nb-89



79

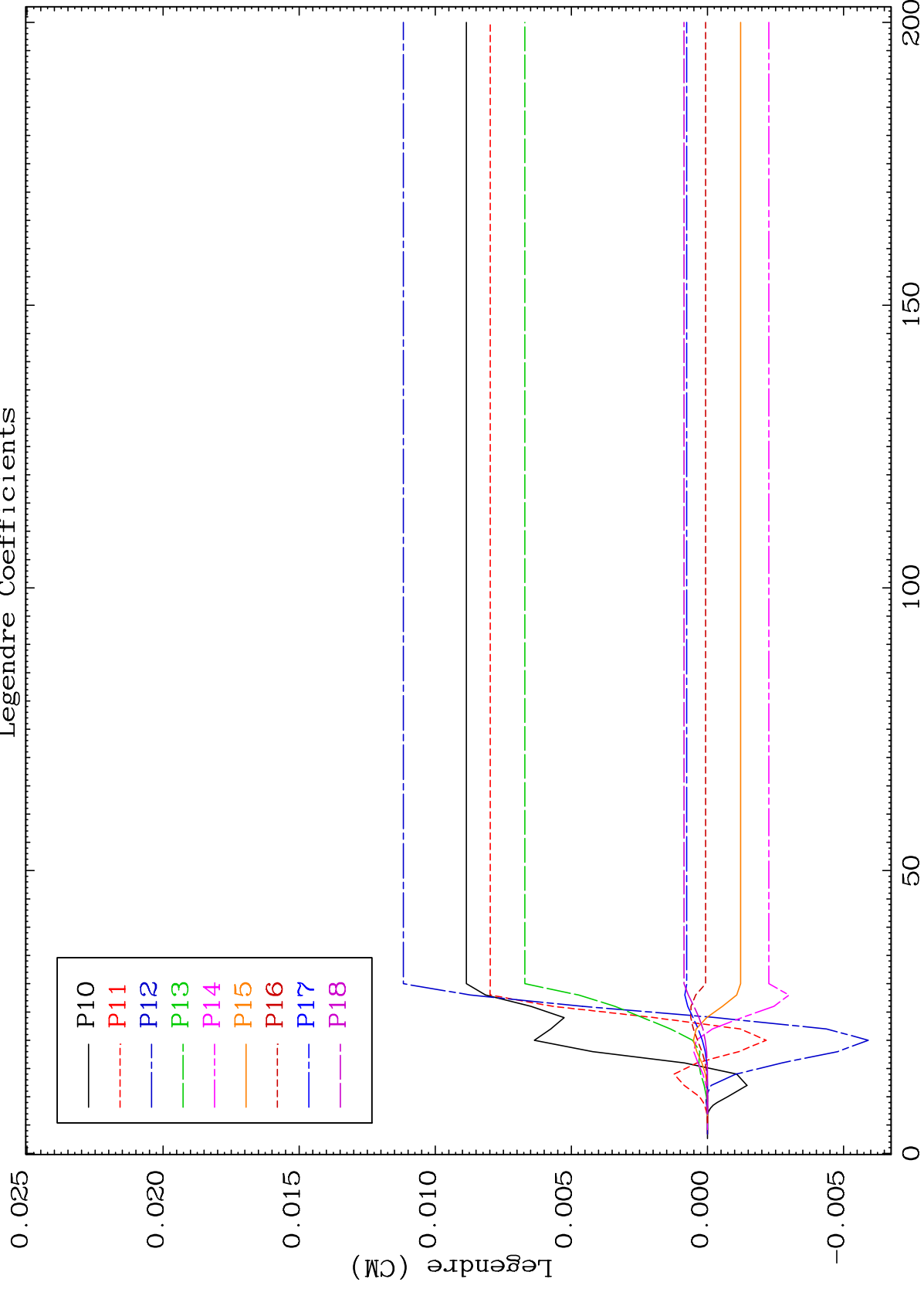
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

41-Nb-89



80

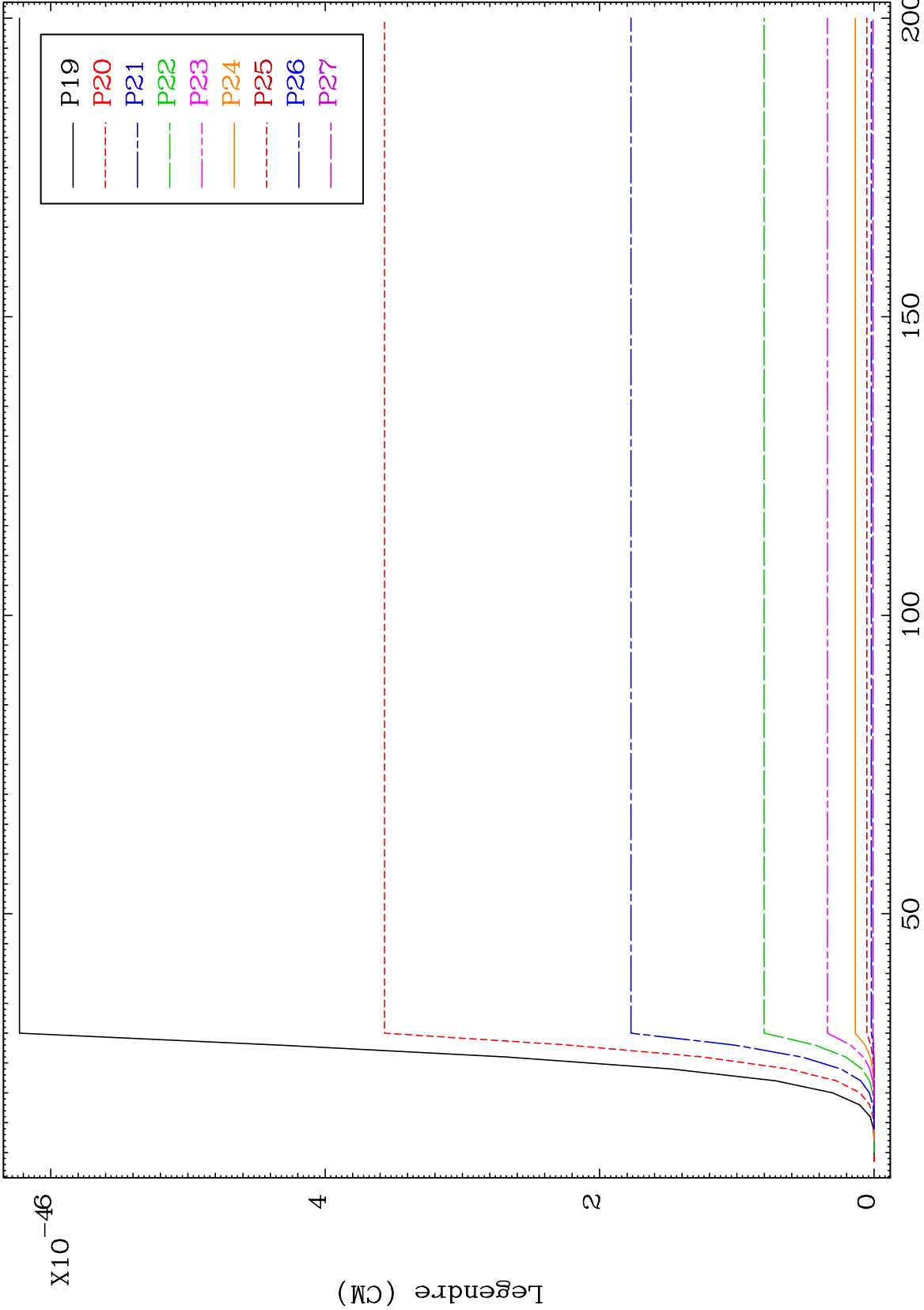
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

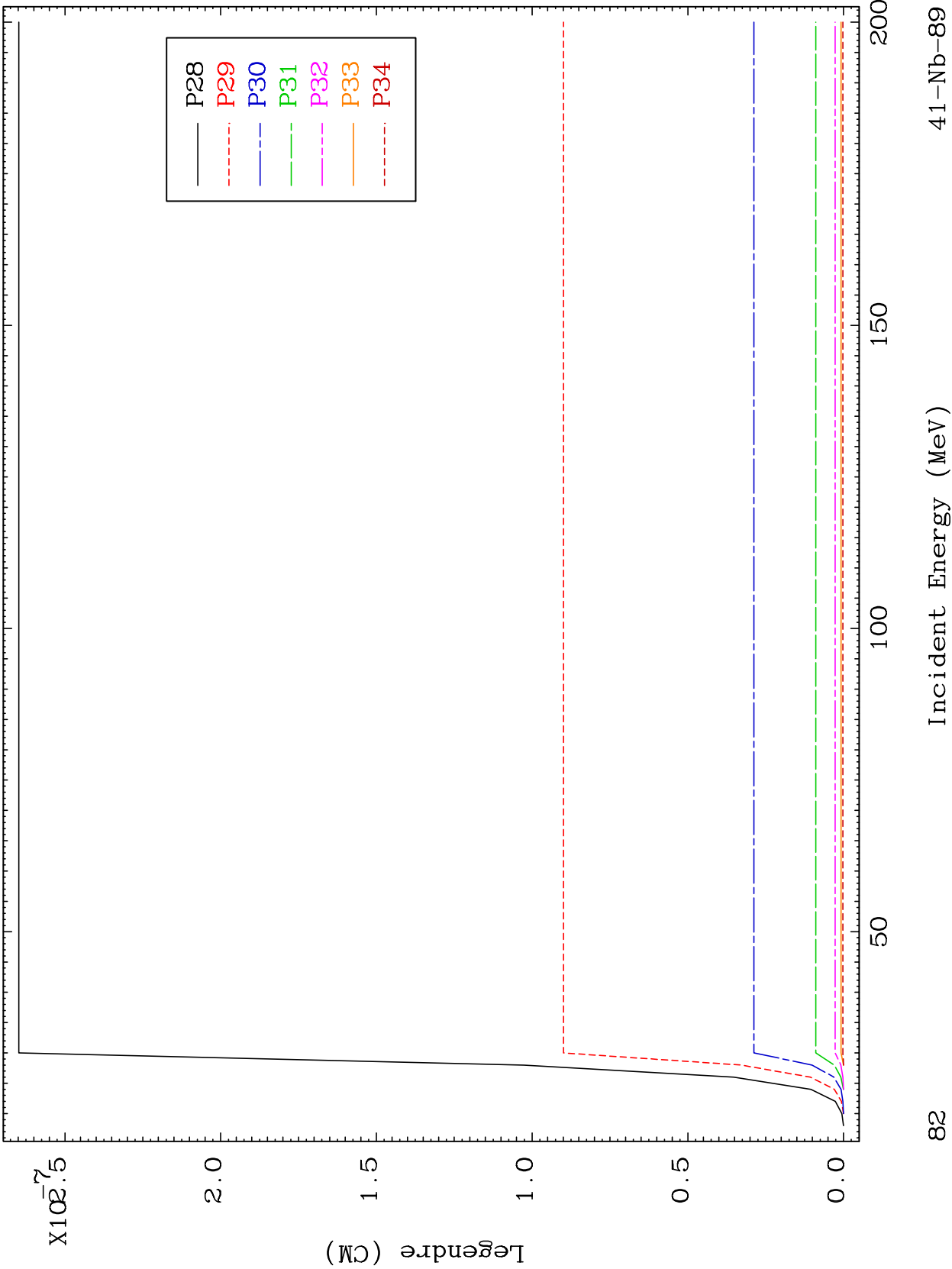
41-Nb-89



81

Incident Energy (MeV)

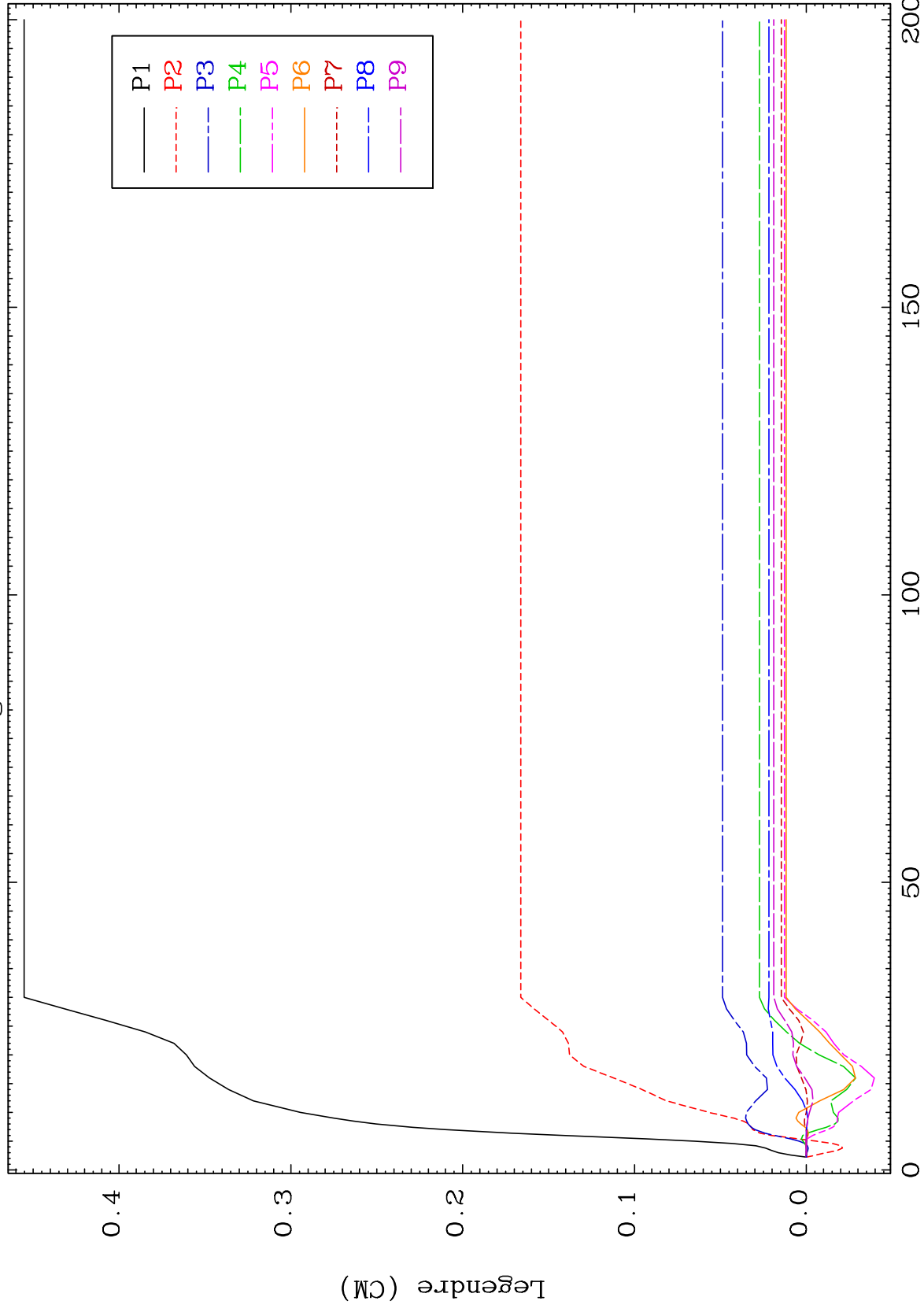
41-Nb-89



MAT 4113

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

41-Nb-89



83

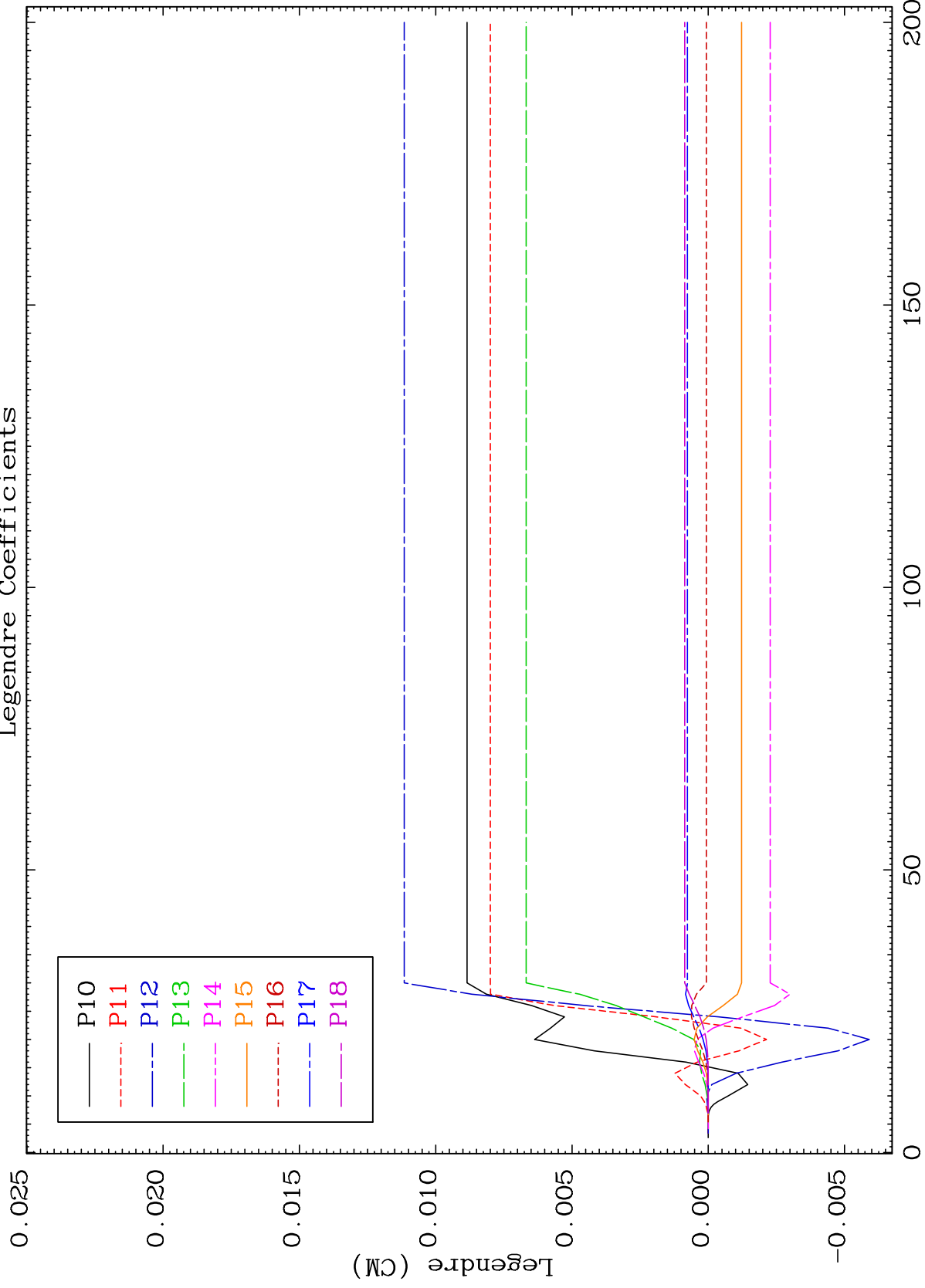
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

41-Nb-89



84

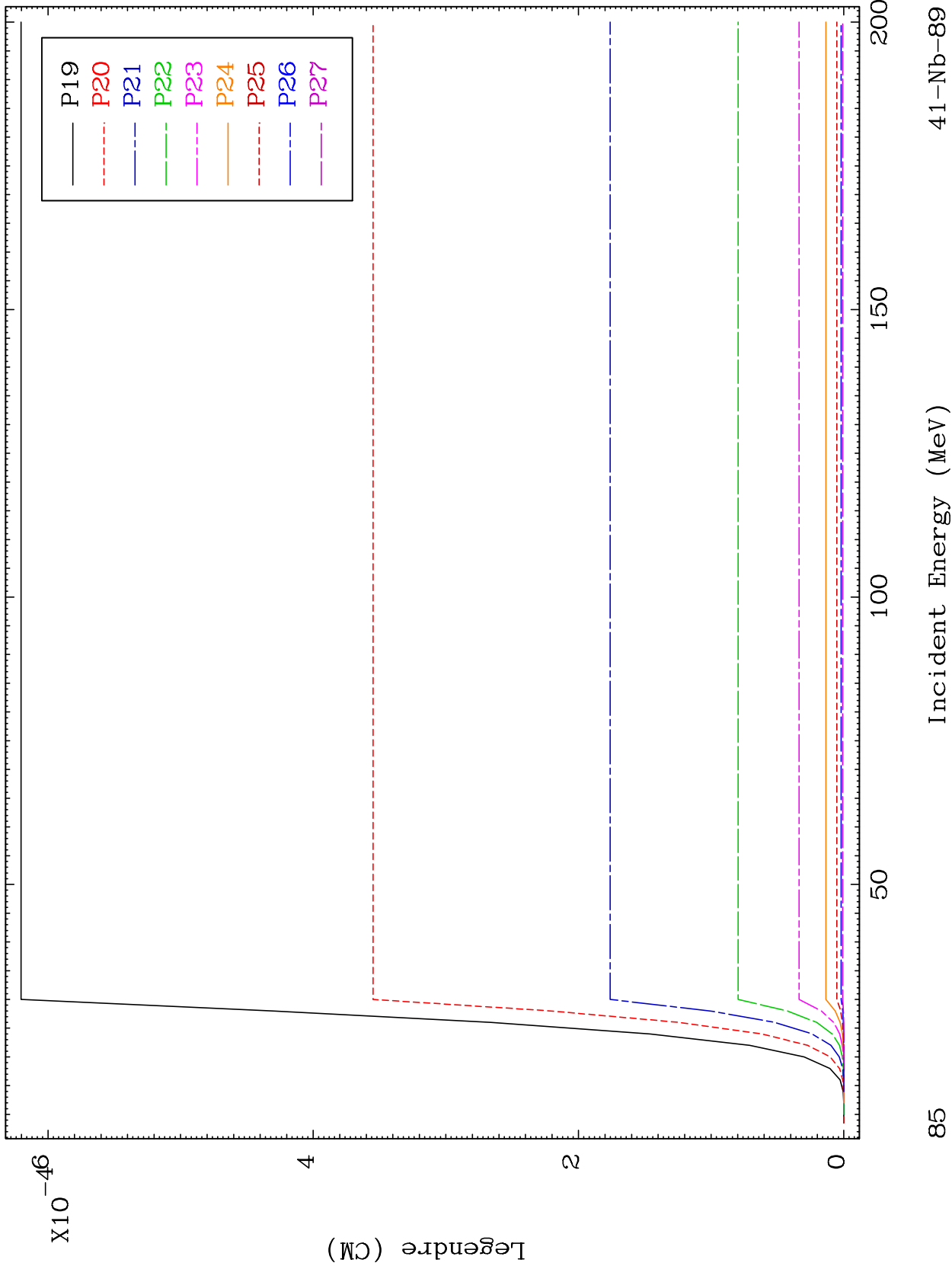
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

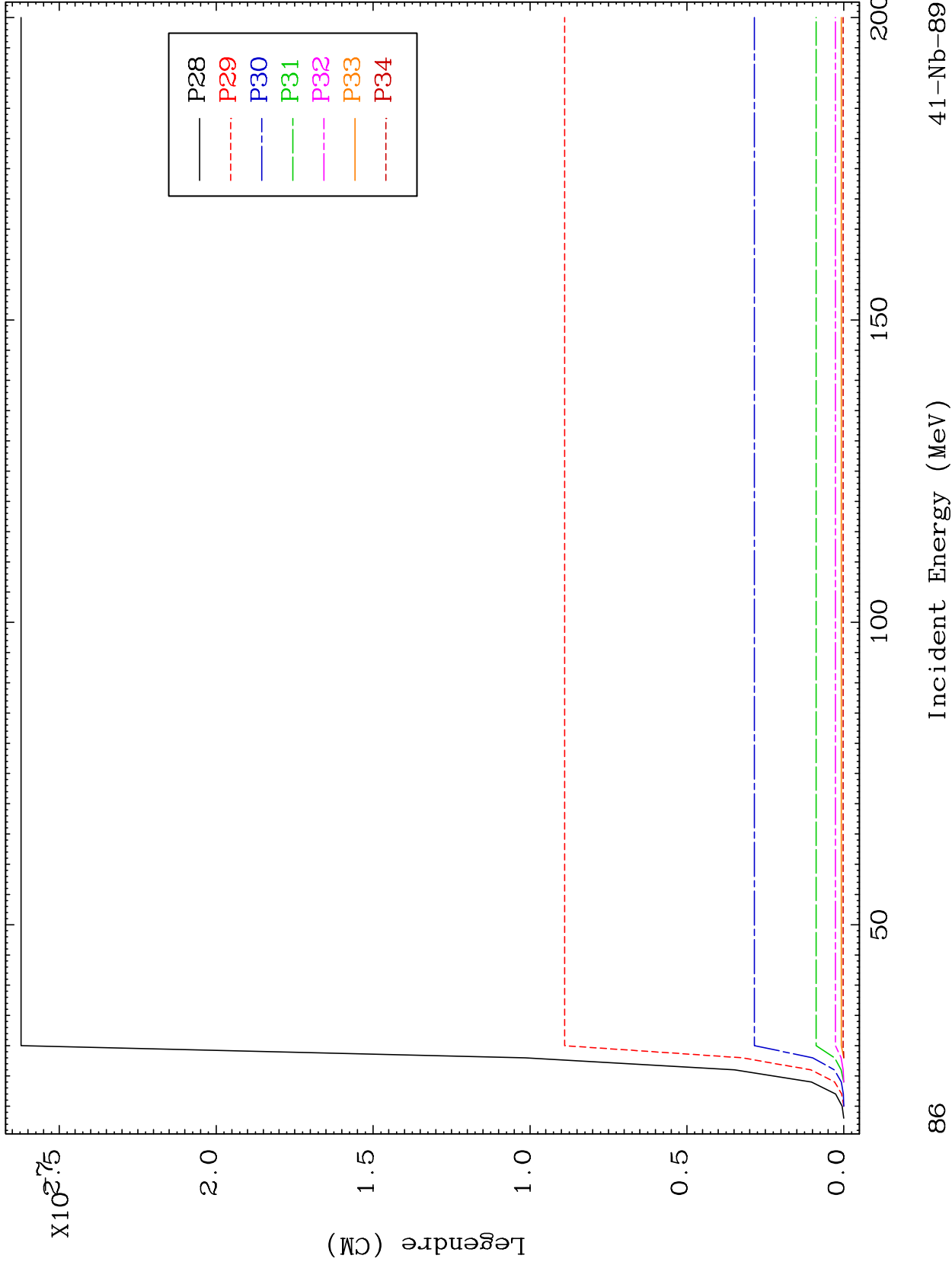
41-Nb-89



85

Incident Energy (MeV)

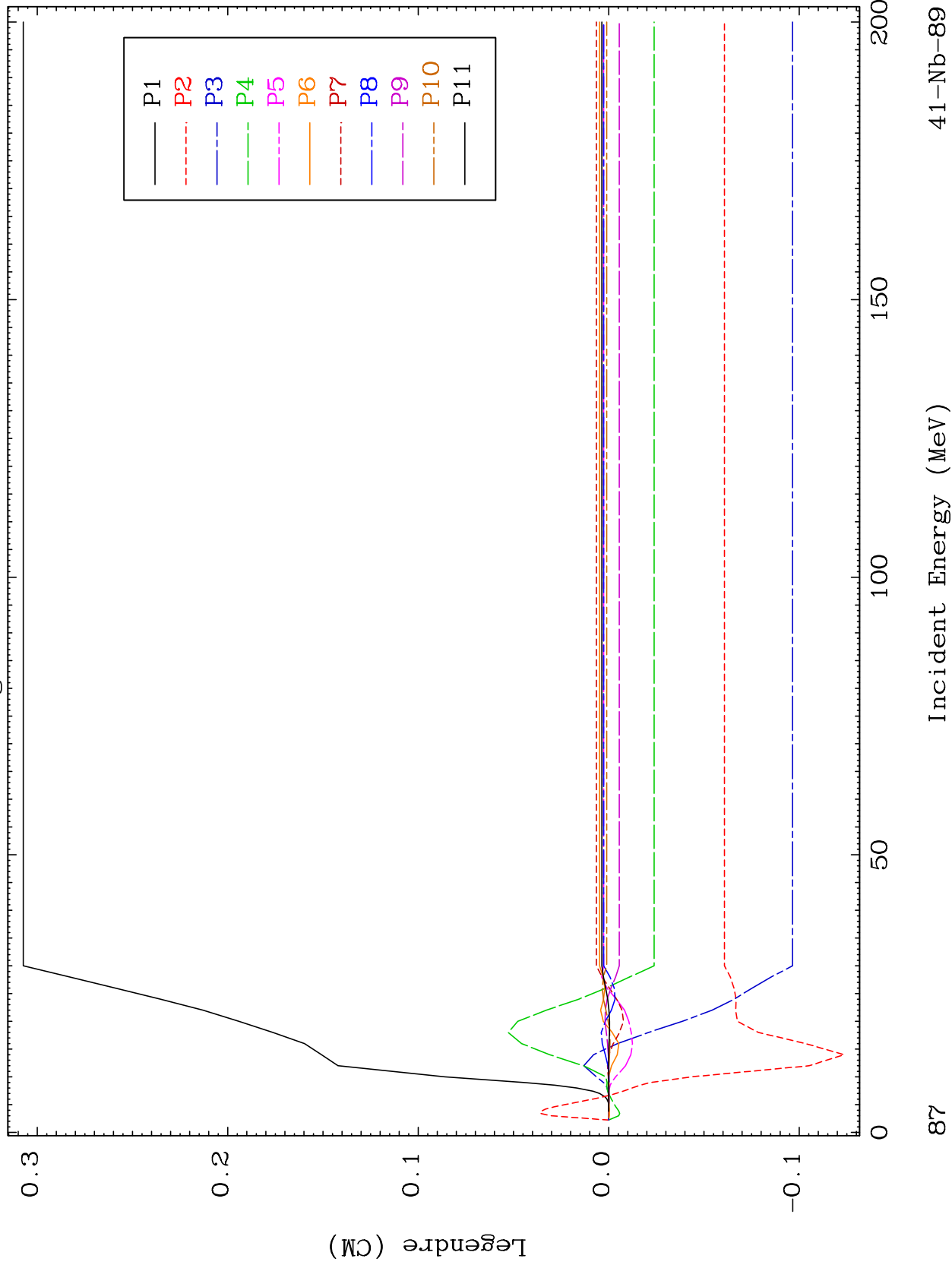
41-Nb-89



MAT 4113

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

41-Nb-89



41-Nb-89

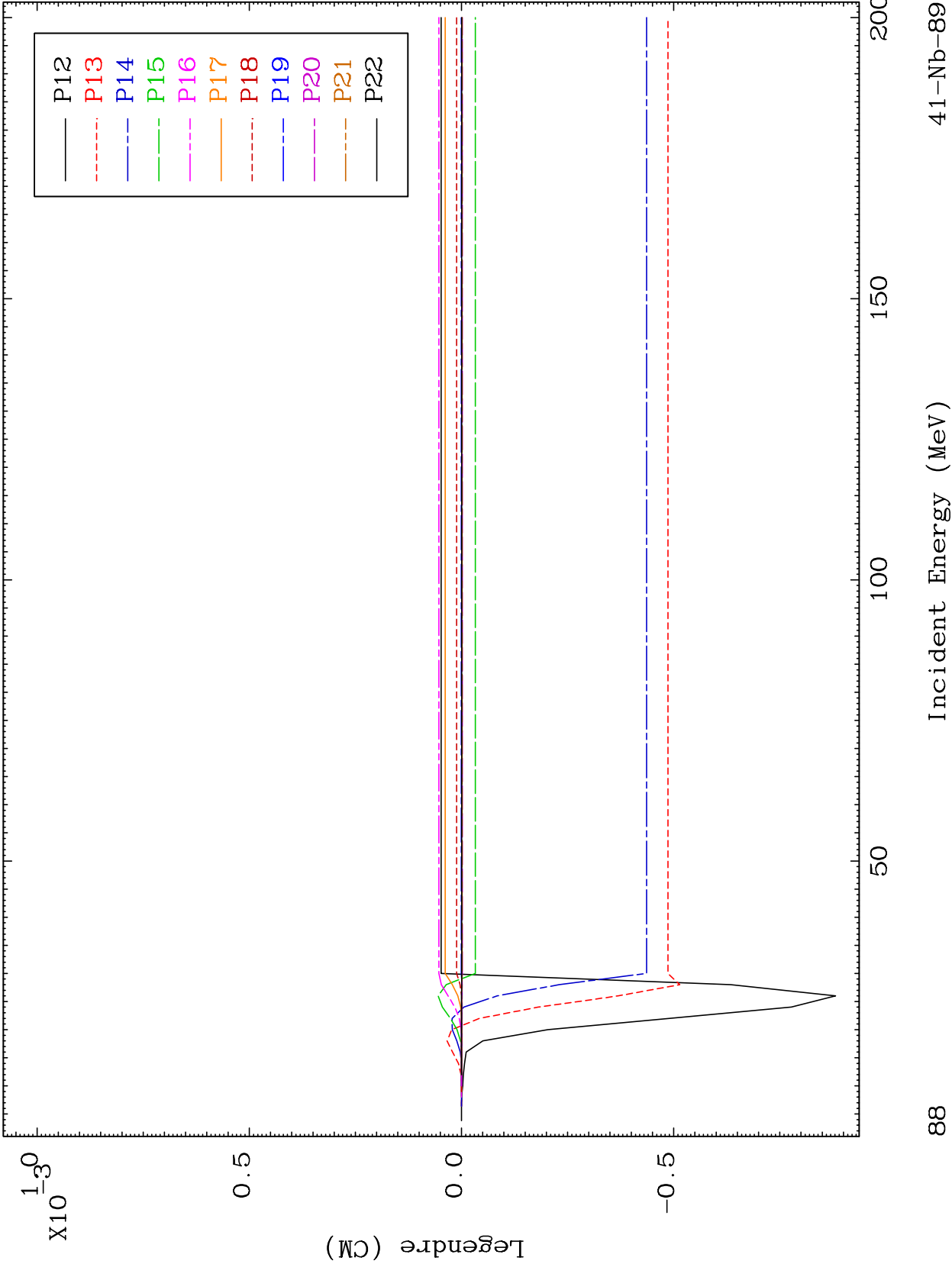
Incident Energy (MeV)

87

MAT 4113

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

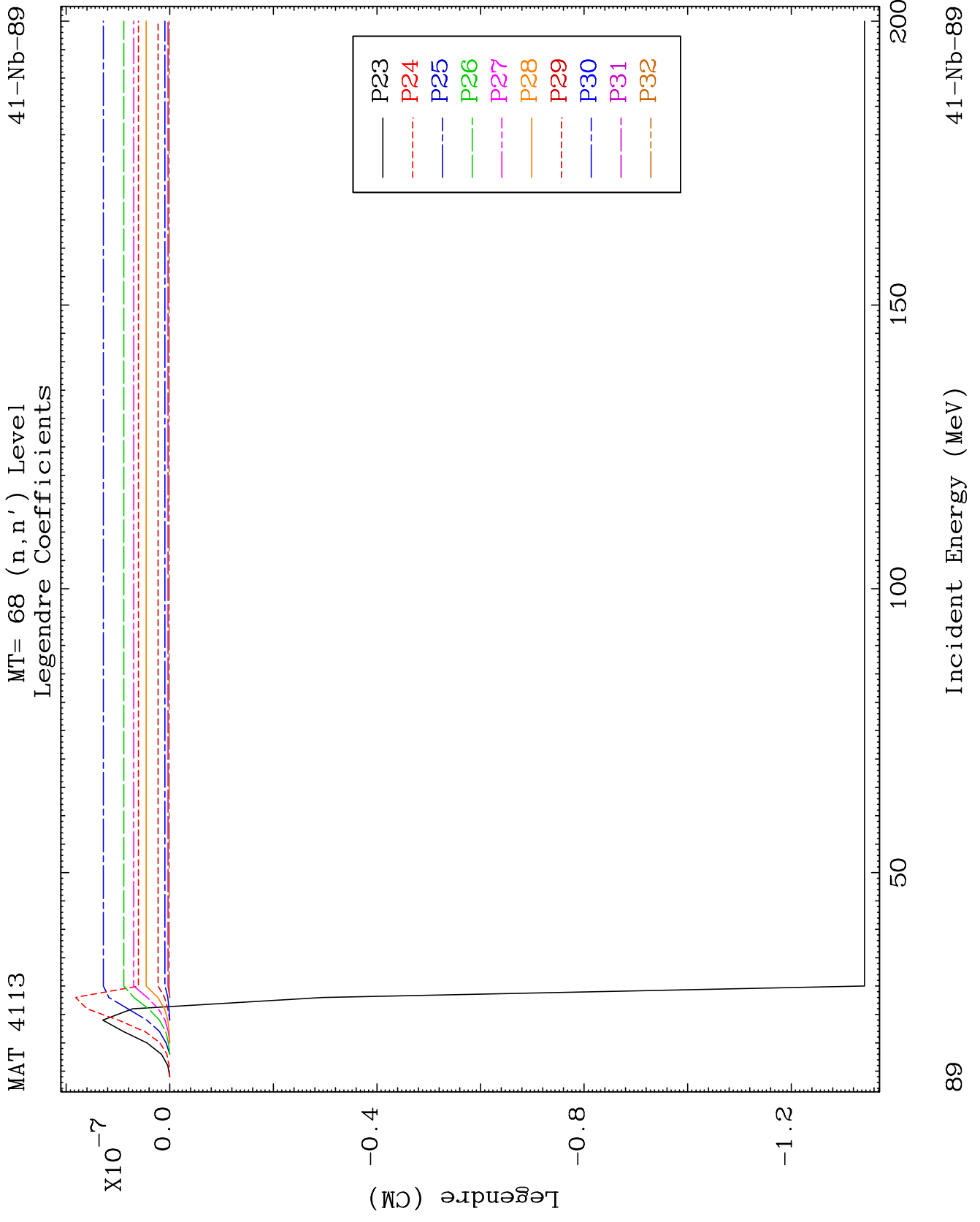
41-Nb-89



88

Incident Energy (MeV)

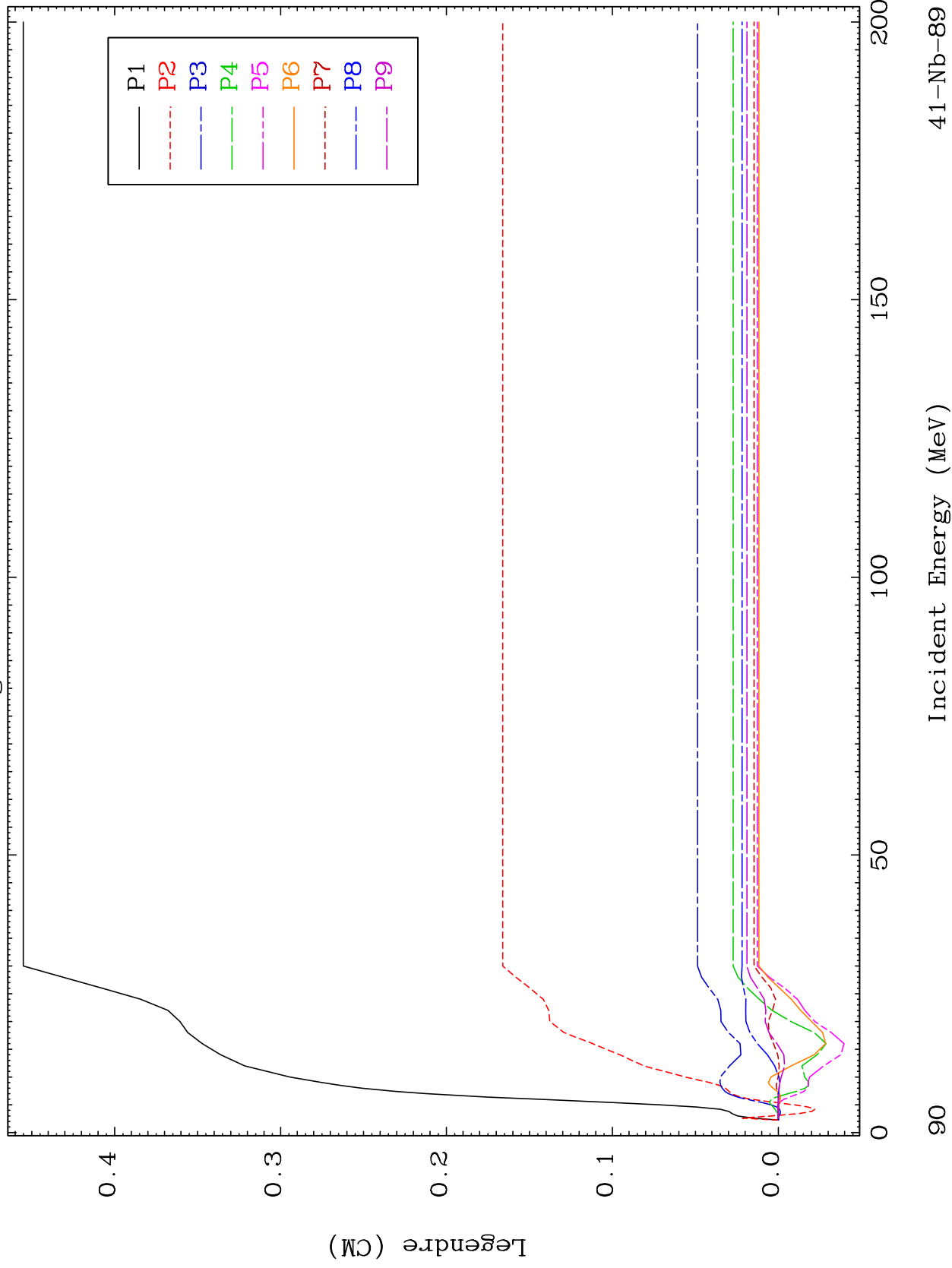
41-Nb-89



MAT 4113

MT= 69 (n,n') Level
Legendre Coefficients

41-Nb-89



41-Nb-89

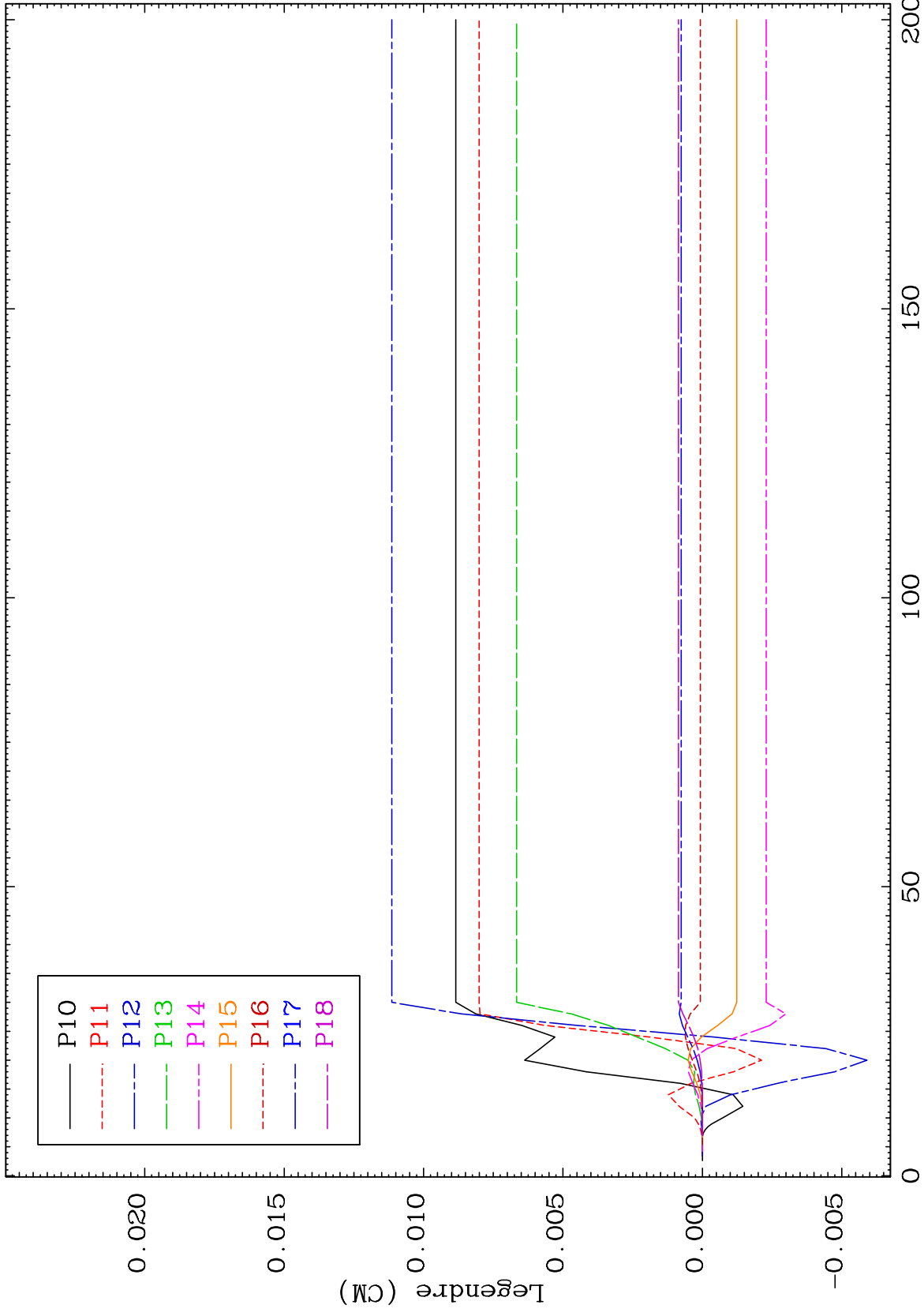
Incident Energy (MeV)

90

MAT 4113

MT= 69 (n,n') Level
Legendre Coefficients

41-Nb-89



91

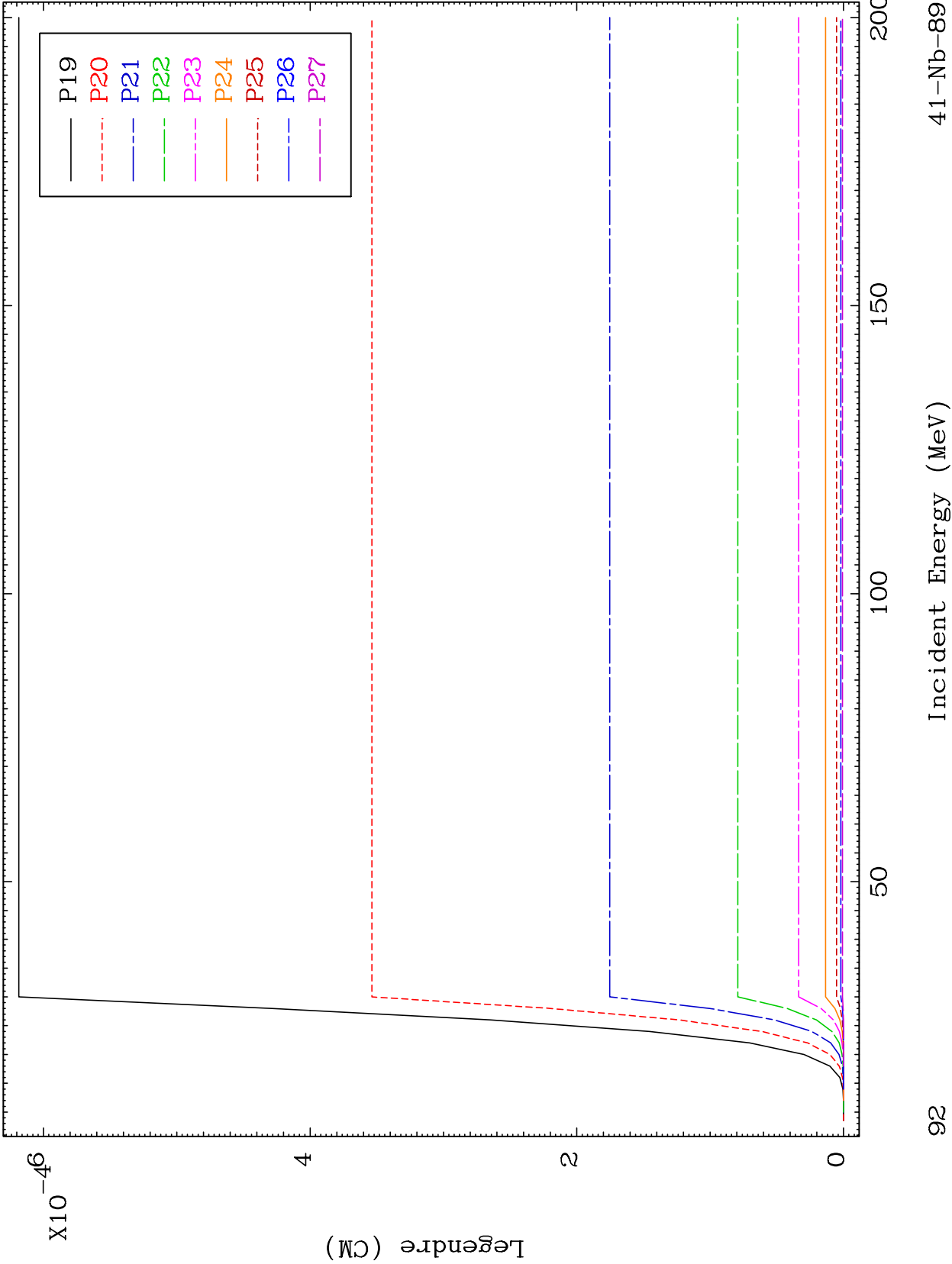
Incident Energy (MeV)

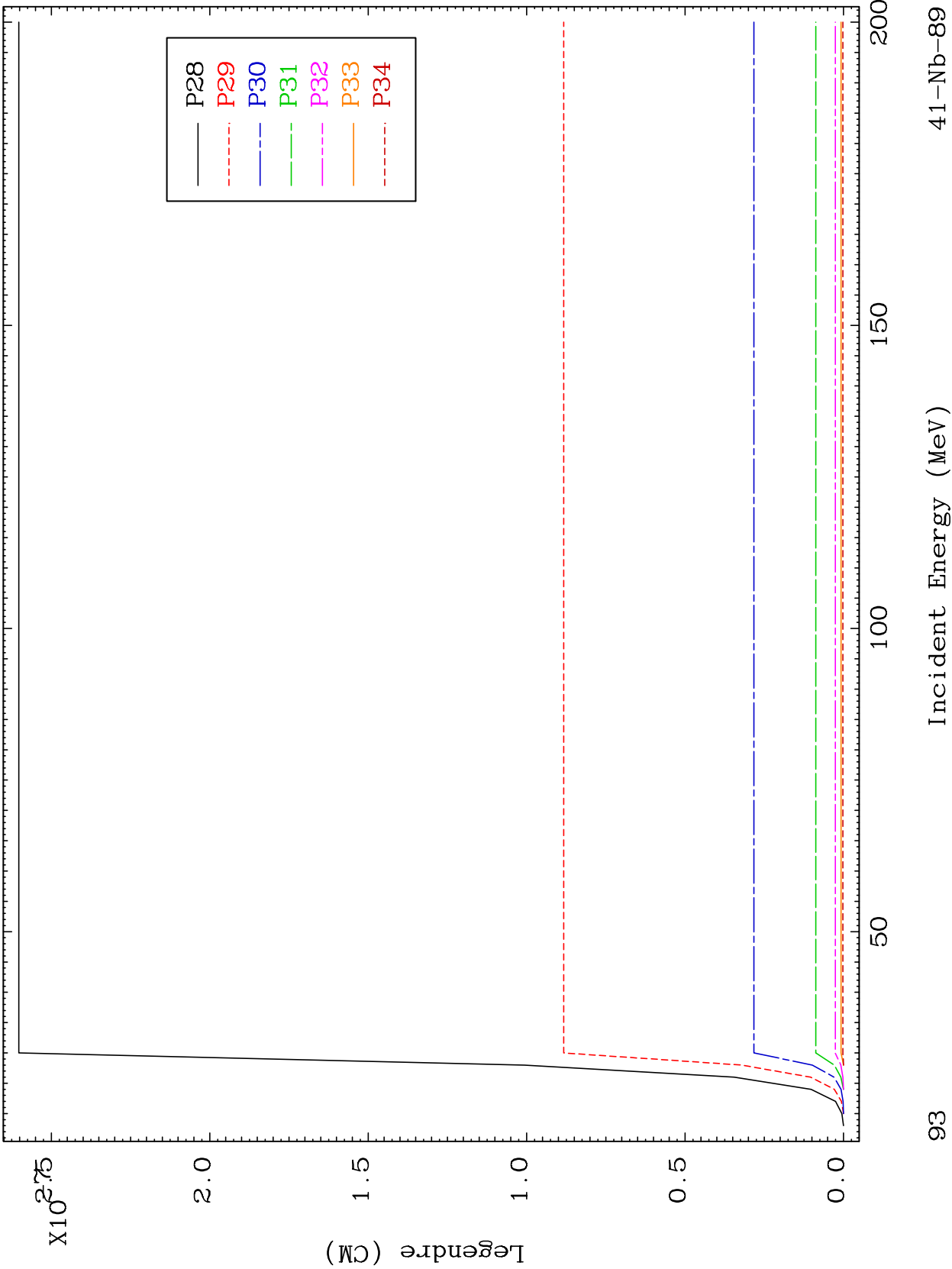
41-Nb-89

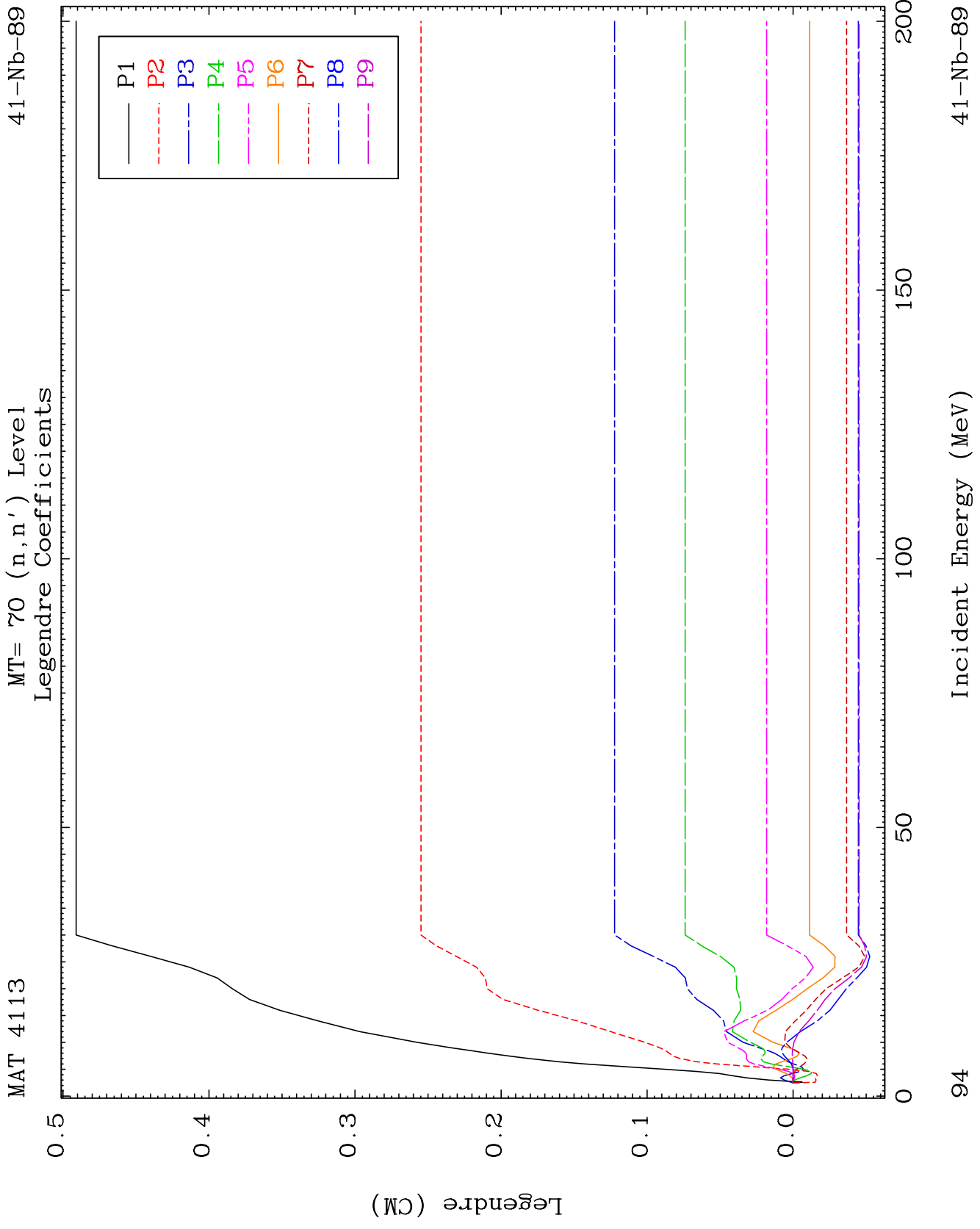
MAT 4113

MT= 69 (n,n') Level
Legendre Coefficients

41-Nb-89



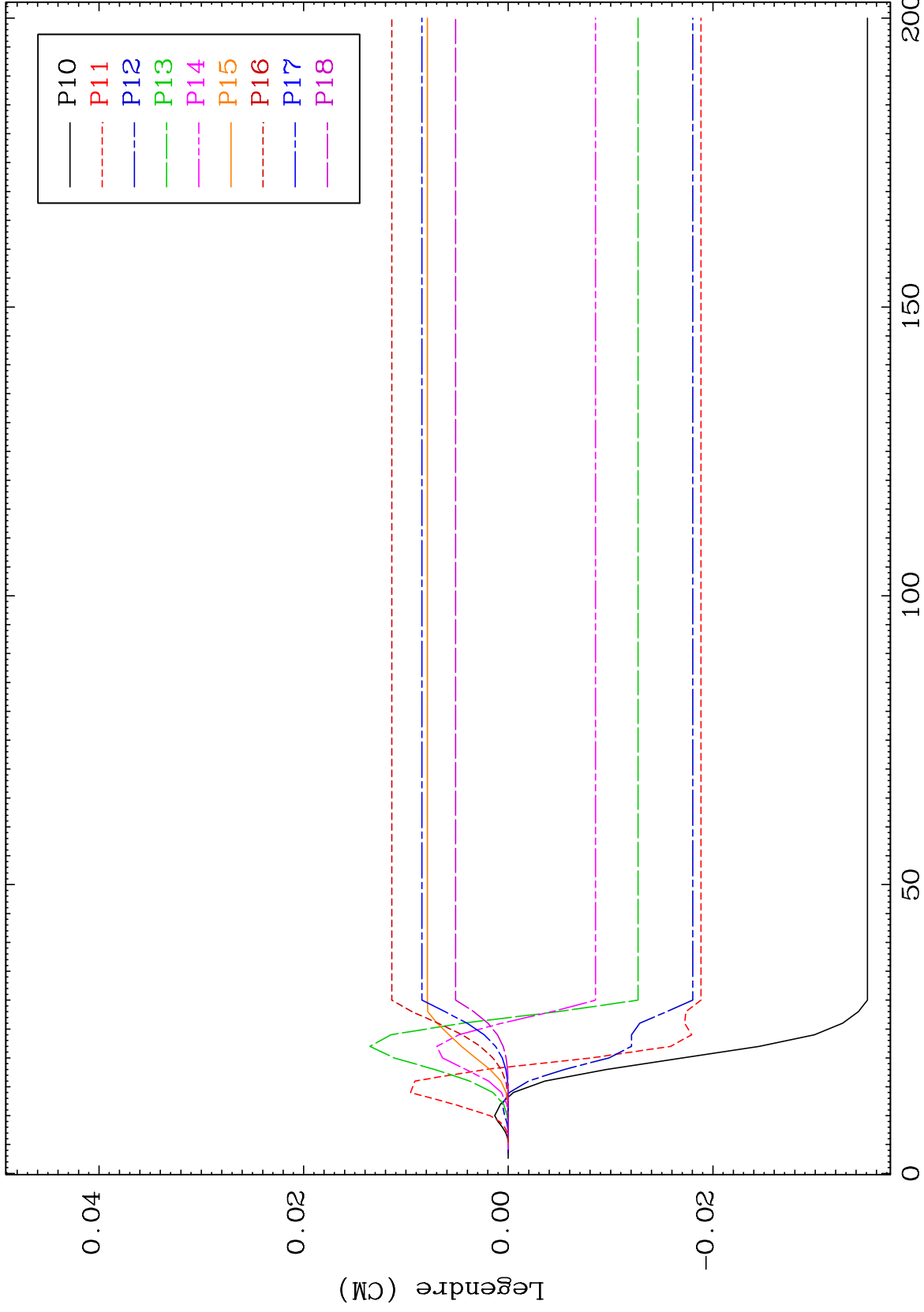




MAT 4113

MT= 70 (n,n') Level
Legendre Coefficients

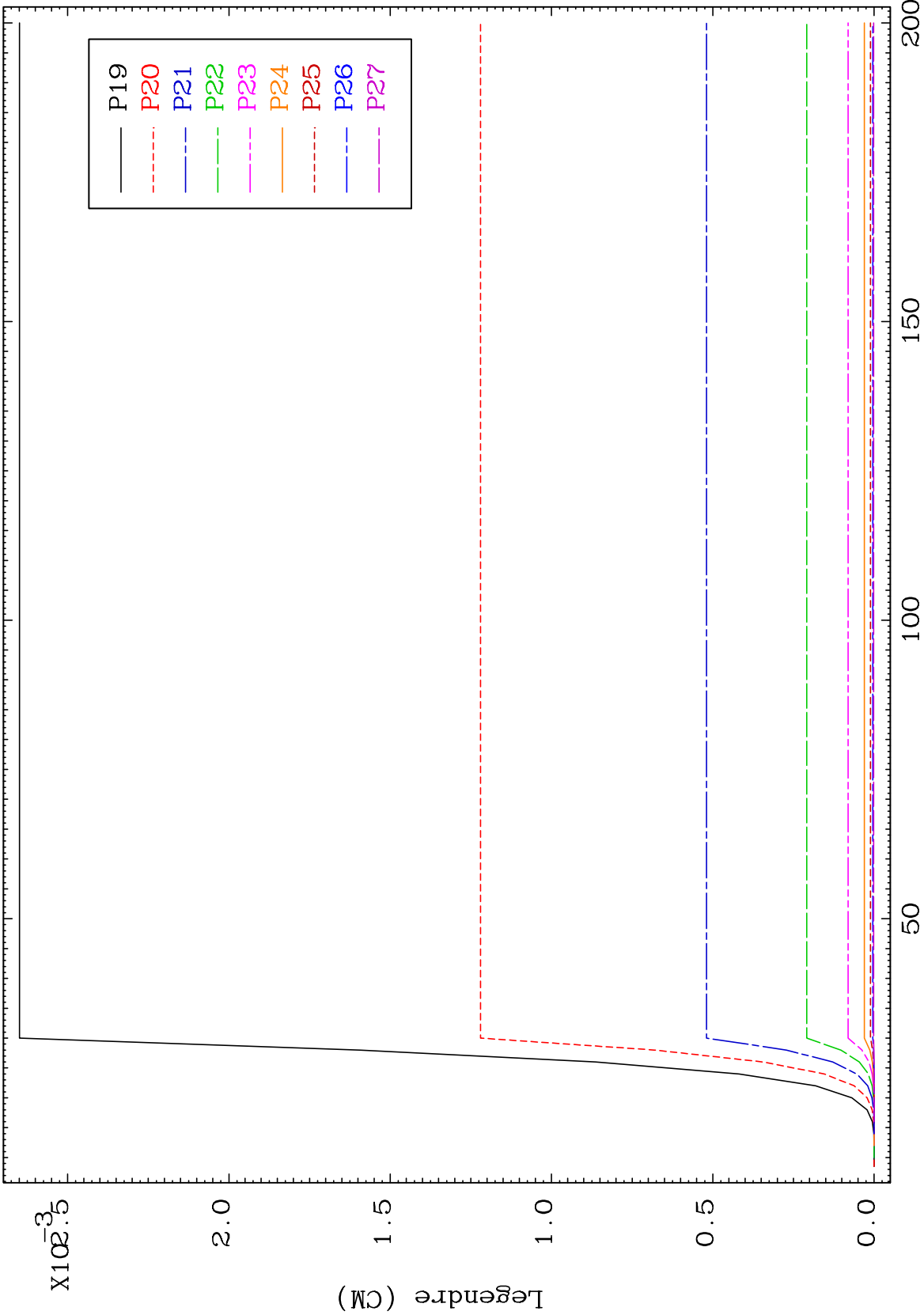
41-Nb-89



95

Incident Energy (MeV)

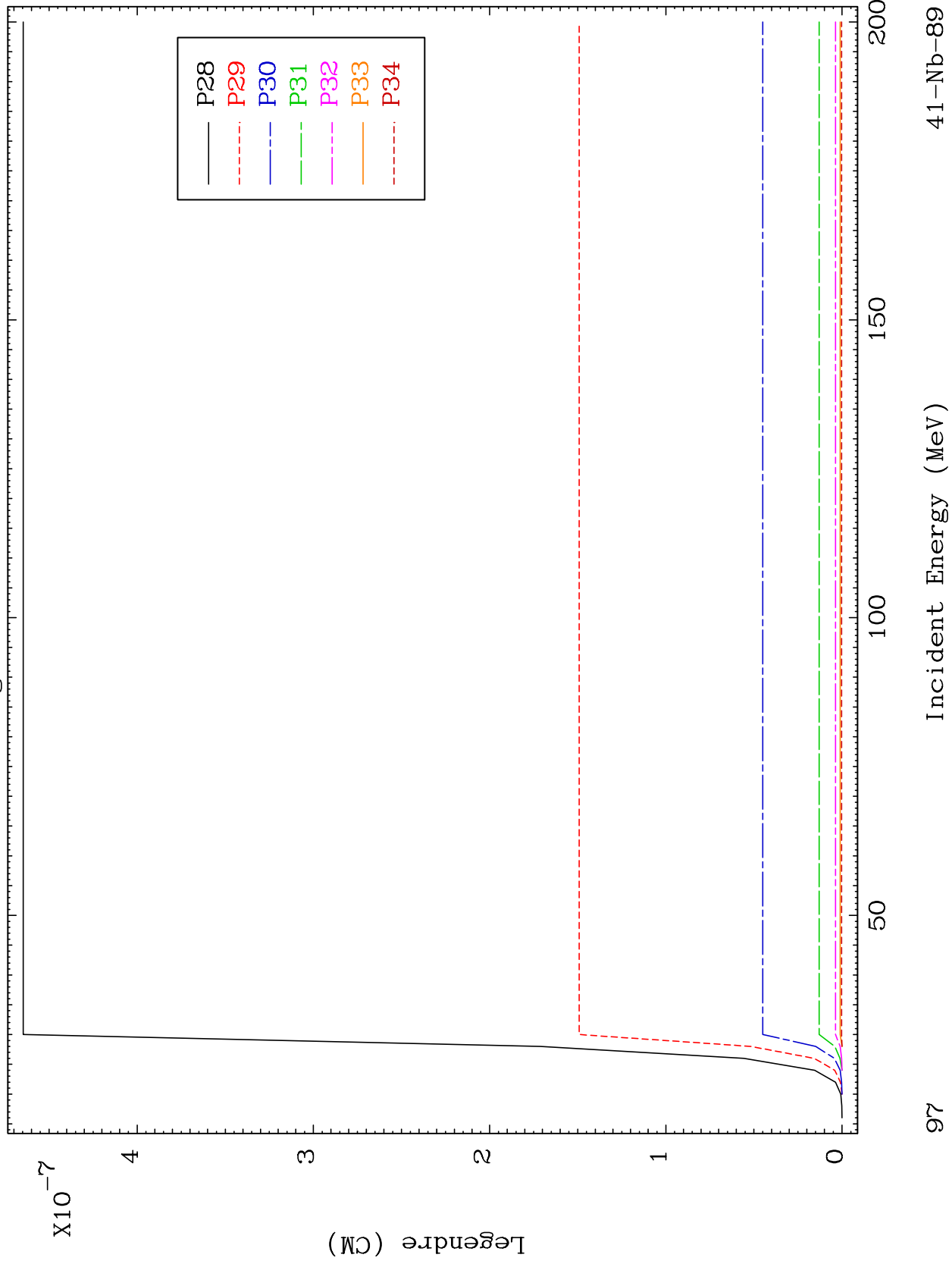
41-Nb-89



MAT 4113

MT= 70 (n,n') Level
Legendre Coefficients

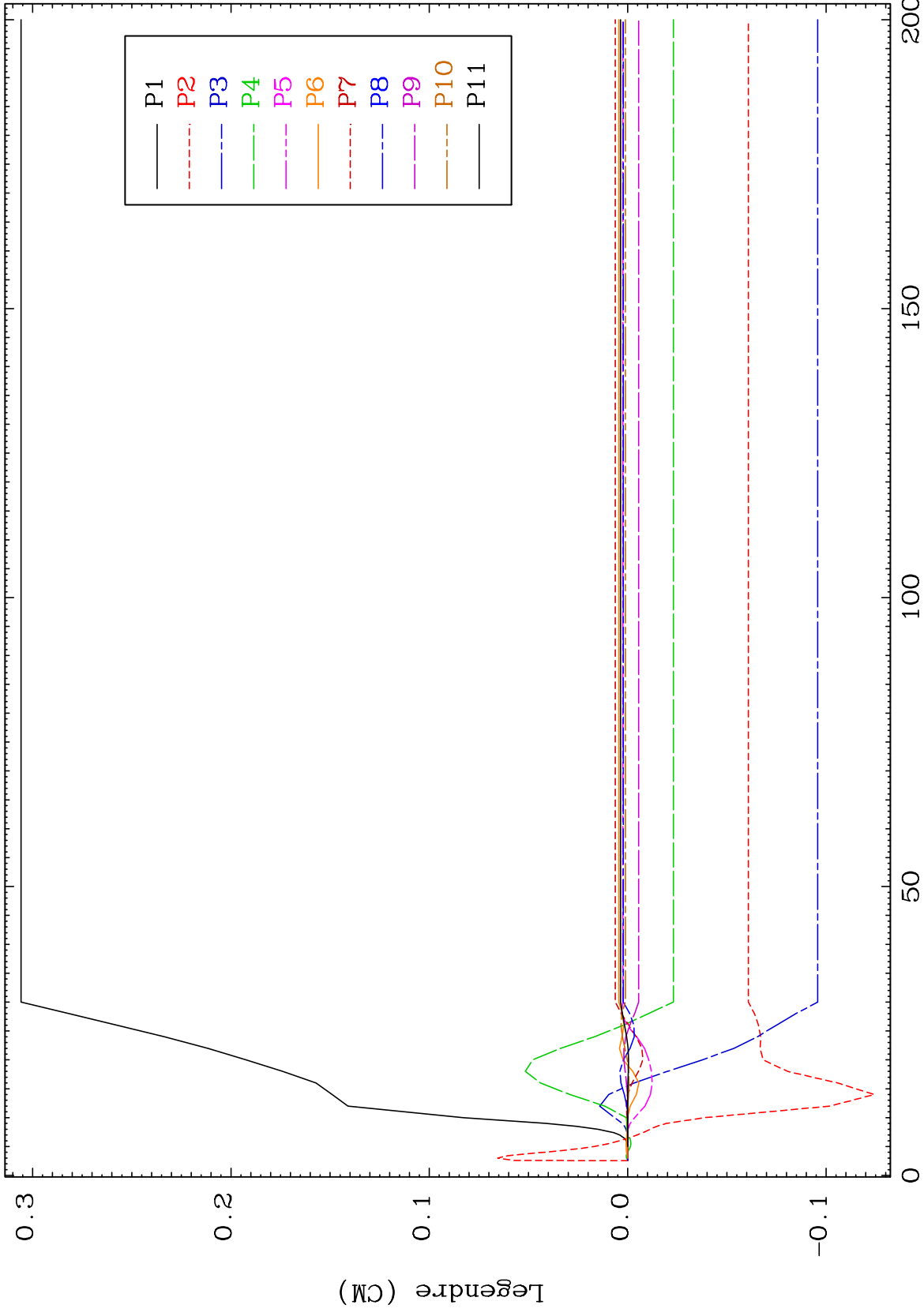
41-Nb-89



MAT 4113

MT= 71 (n,n') Level
Legendre Coefficients

41-Nb-89



98

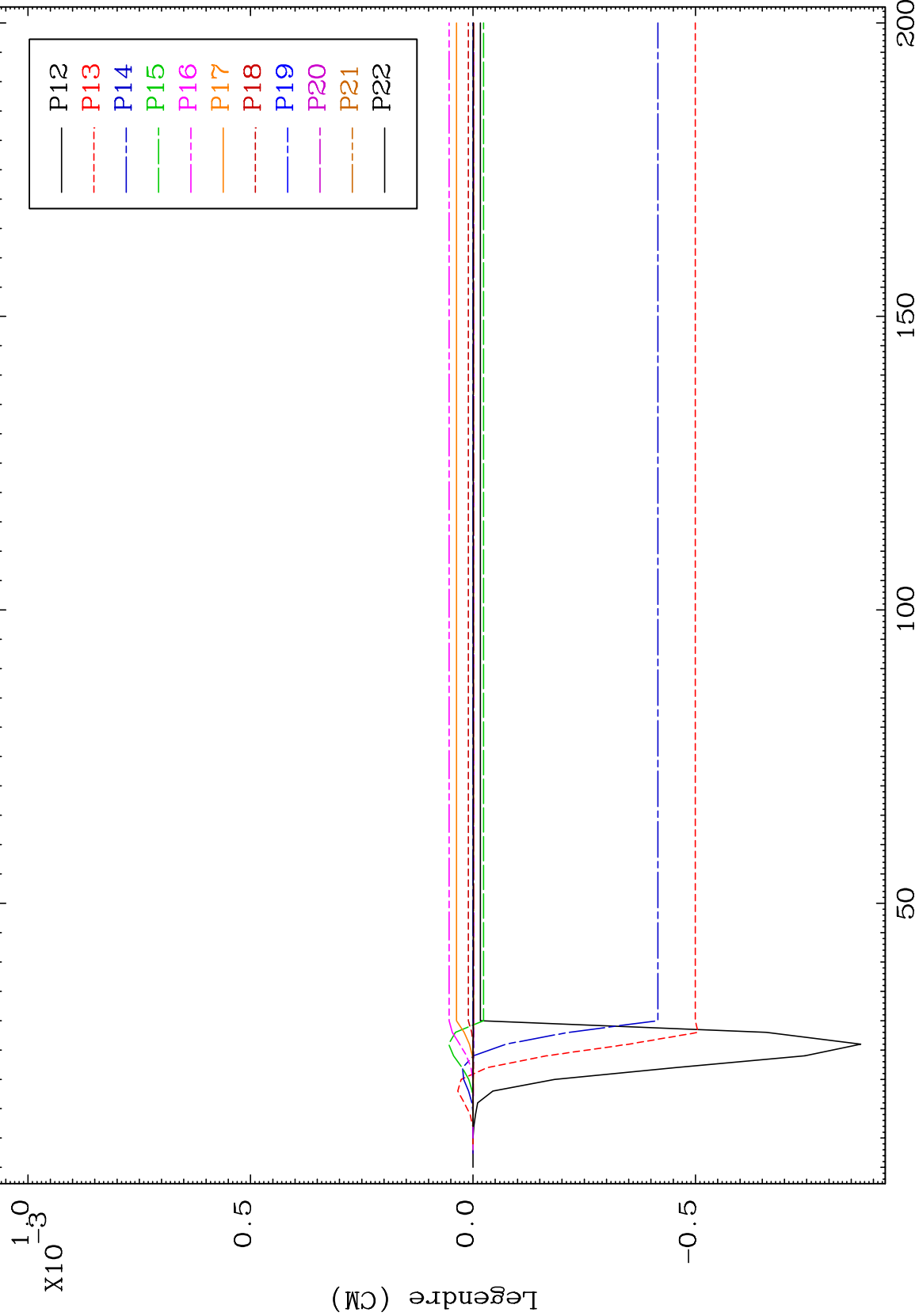
Incident Energy (MeV)

41-Nb-89

MAT 4113

MT= 71 (n,n') Level
Legendre Coefficients

41-Nb-89



99

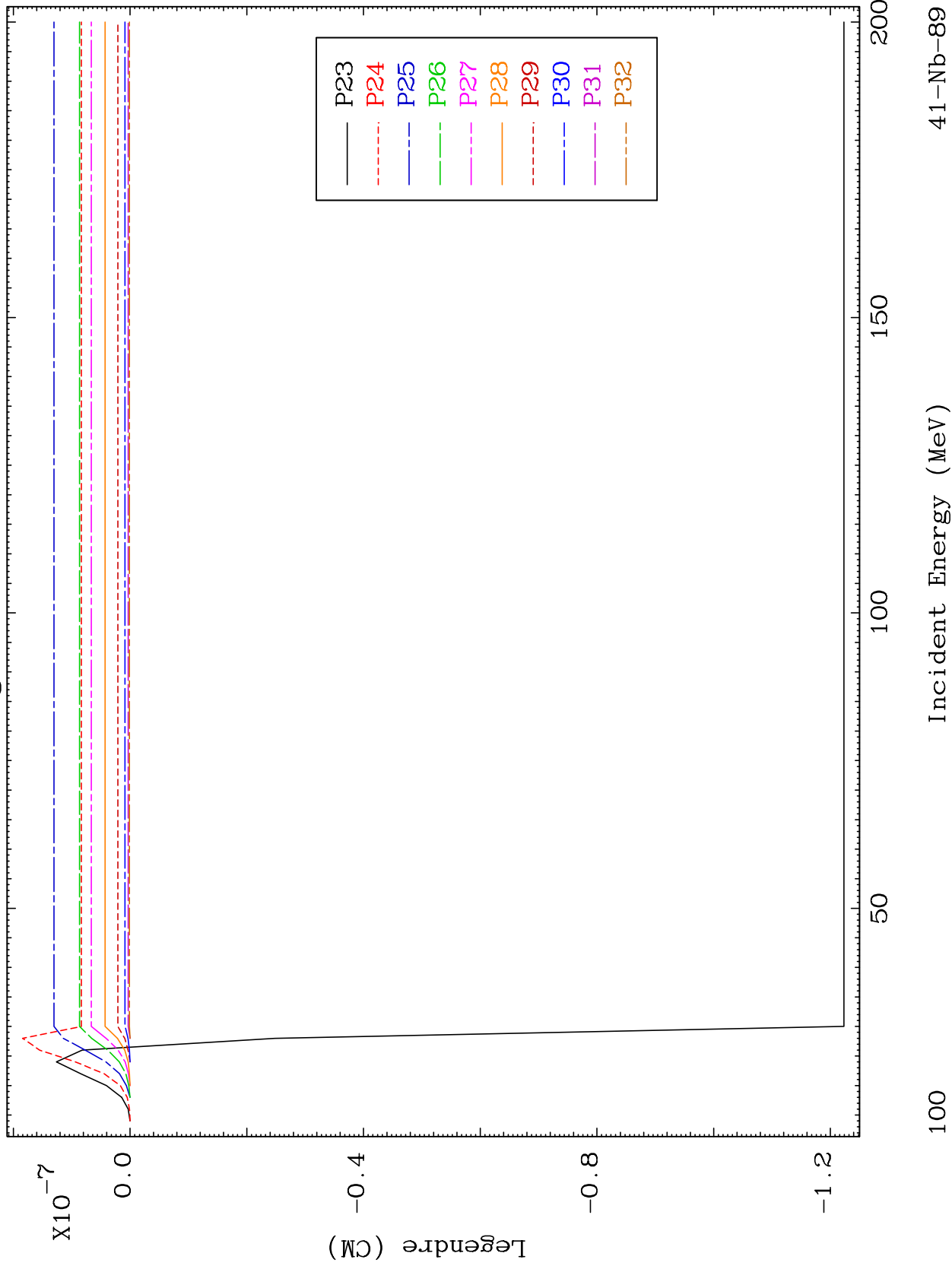
Incident Energy (MeV)

41-Nb-89

MAT 4113

MT= 71 (n,n') Level
Legendre Coefficients

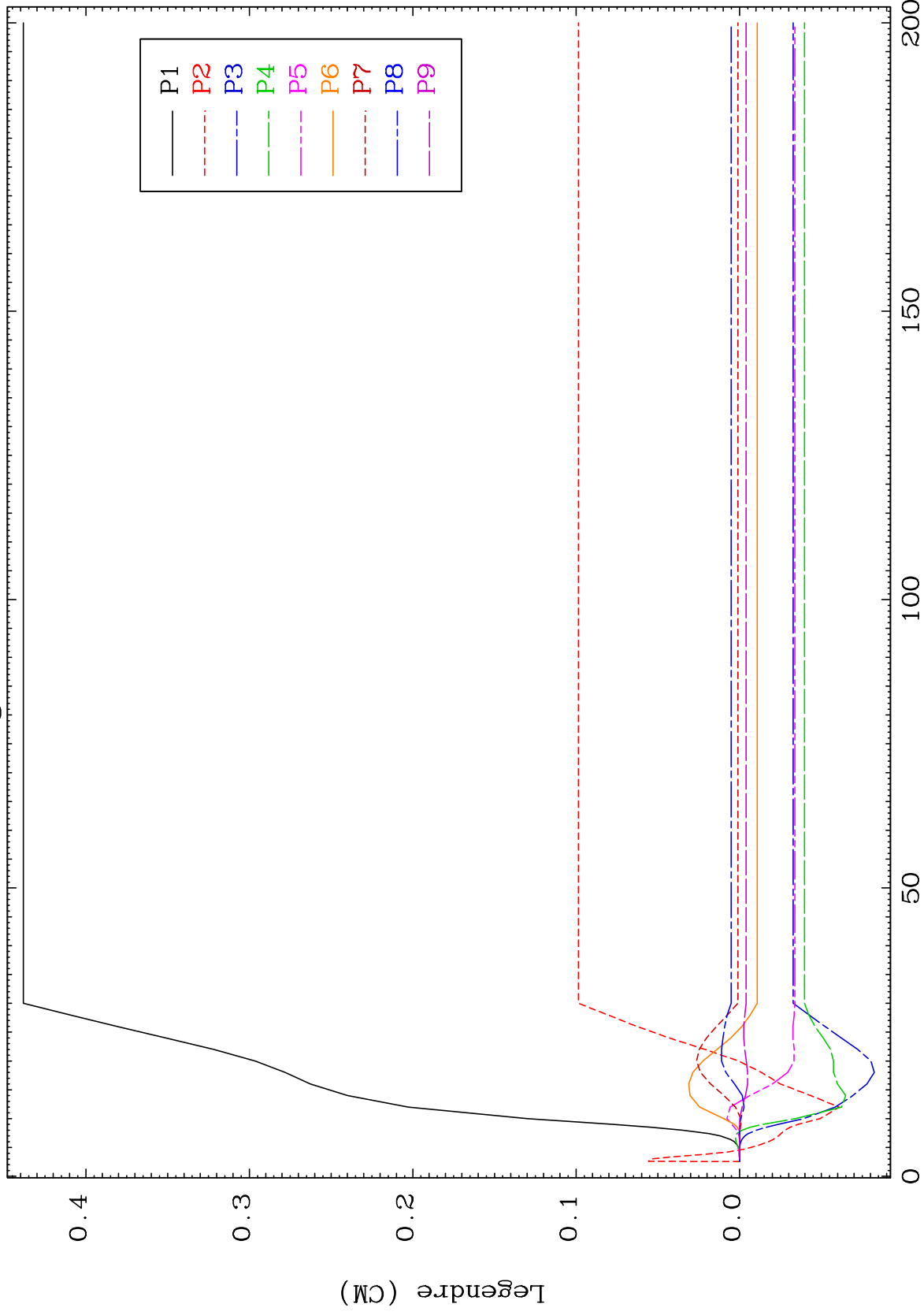
41-Nb-89



MAT 4113

MT= 72 (n,n') Level
Legendre Coefficients

41-Nb-89



101

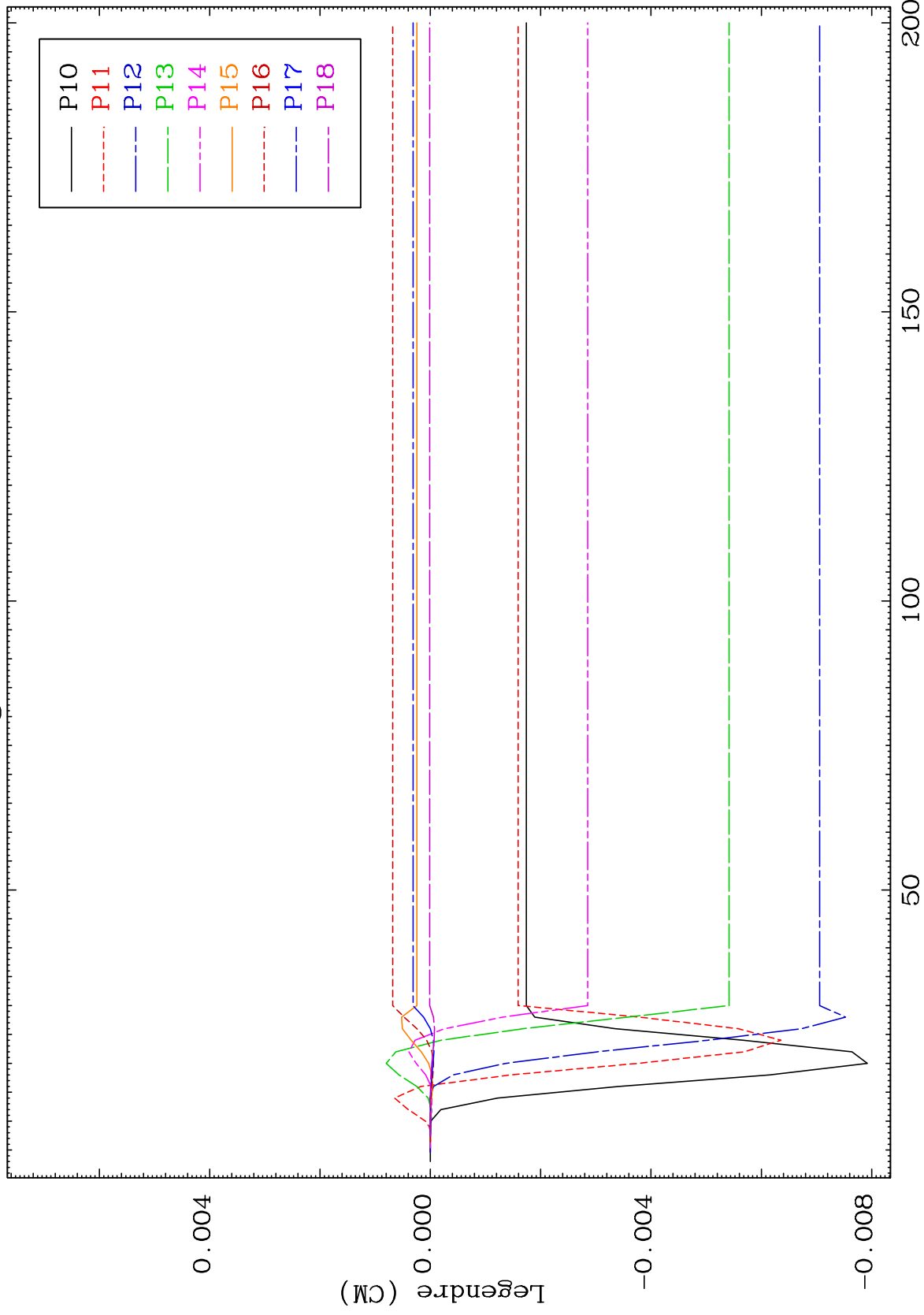
Incident Energy (MeV)

41-Nb-89

MAT 4113

MT= 72 (n,n') Level
Legendre Coefficients

41-Nb-89



102

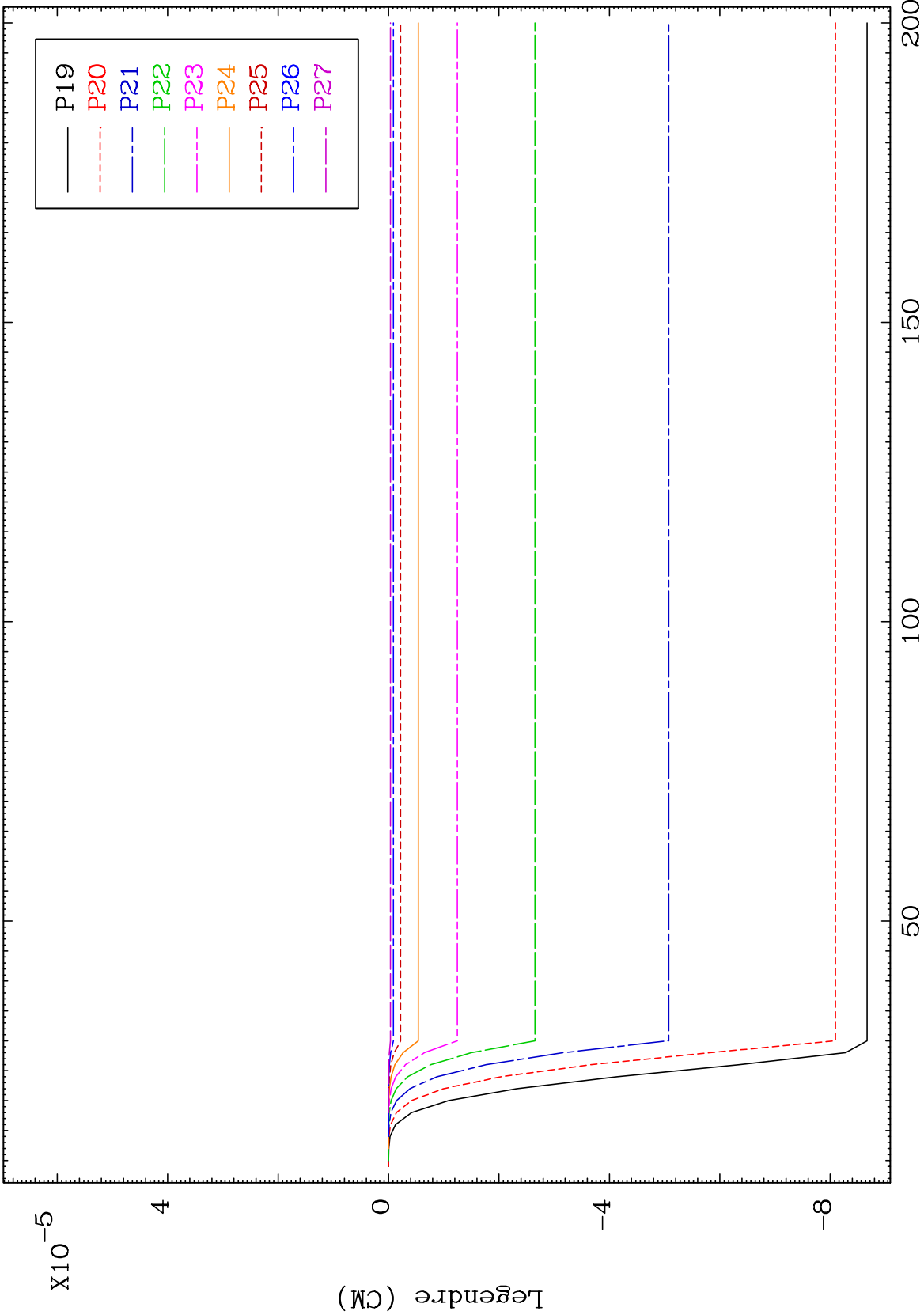
Incident Energy (MeV)

41-Nb-89

MAT 4113

MT= 72 (n,n') Level
Legendre Coefficients

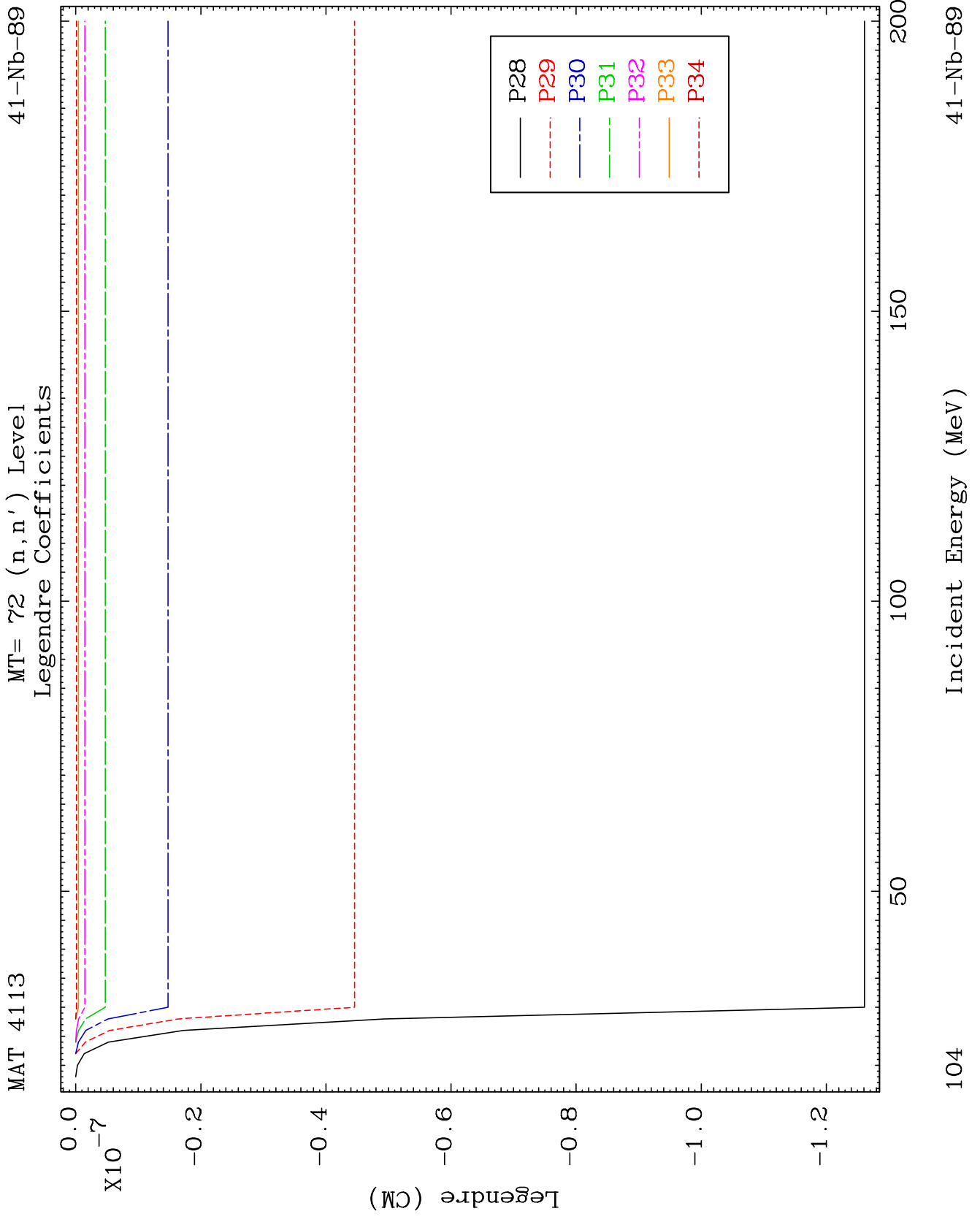
41-Nb-89



103

Incident Energy (MeV)

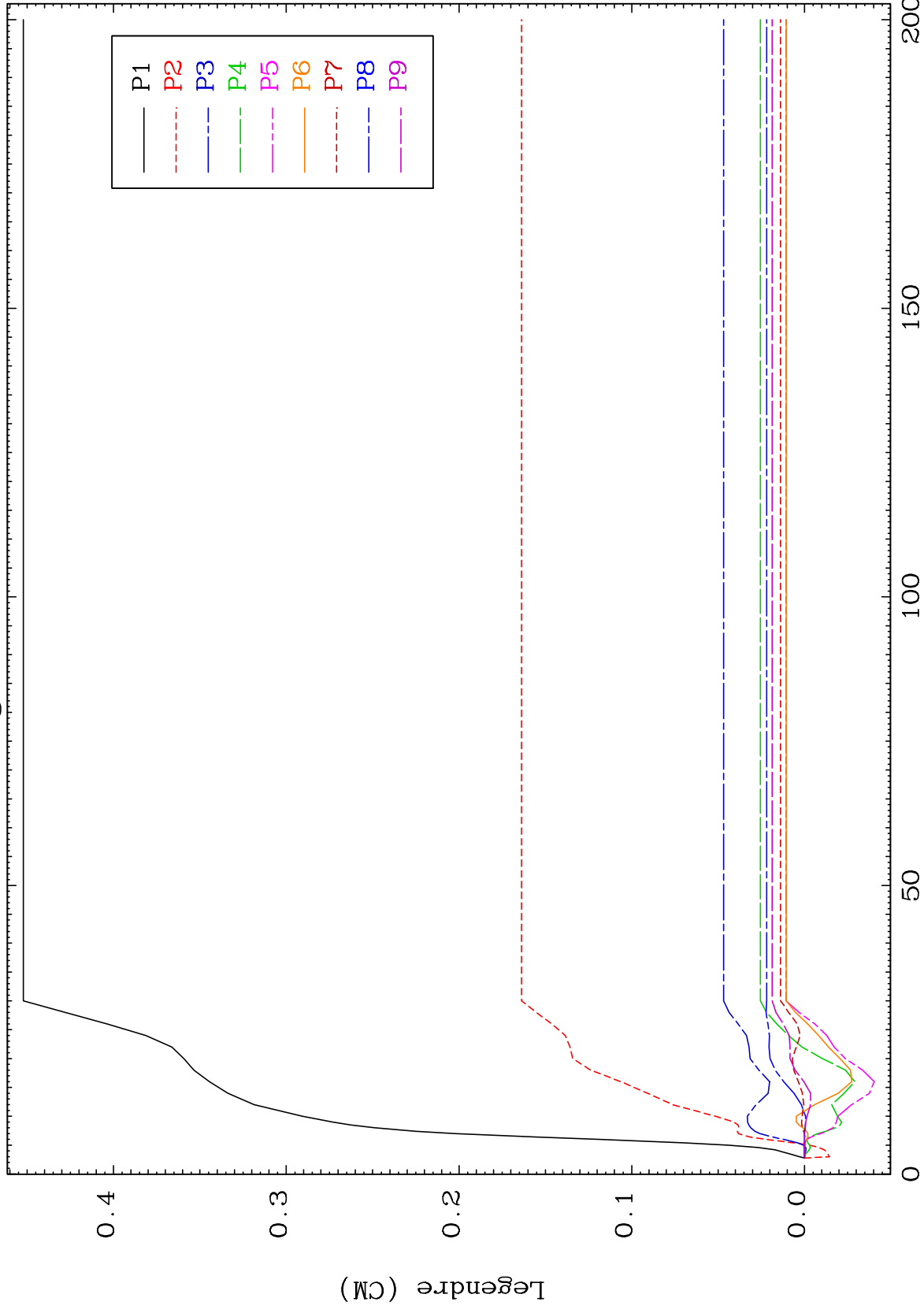
41-Nb-89



MAT 4113

MT= 73 (n,n') Level
Legendre Coefficients

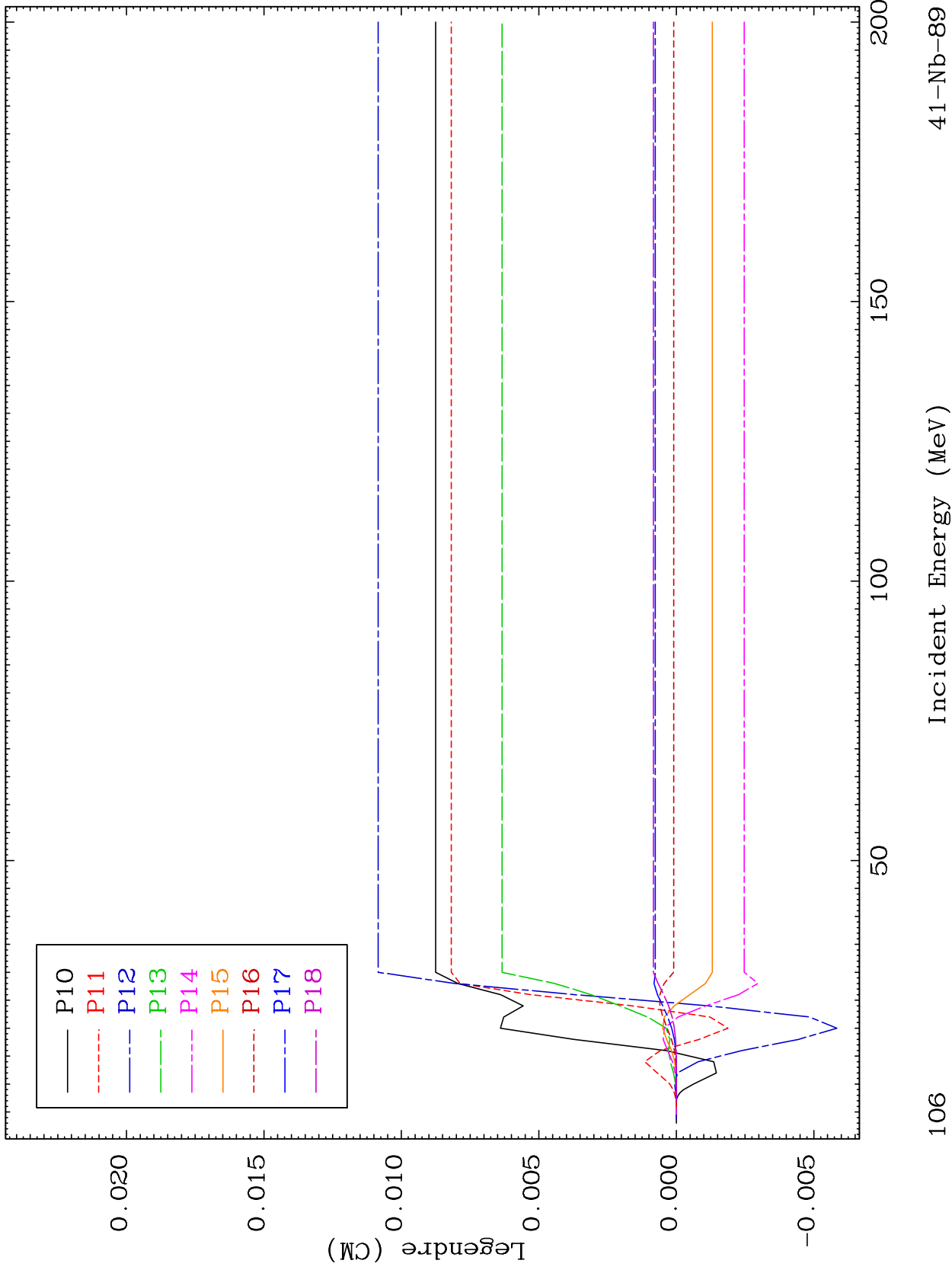
41-Nb-89



41-Nb-89

Incident Energy (MeV)

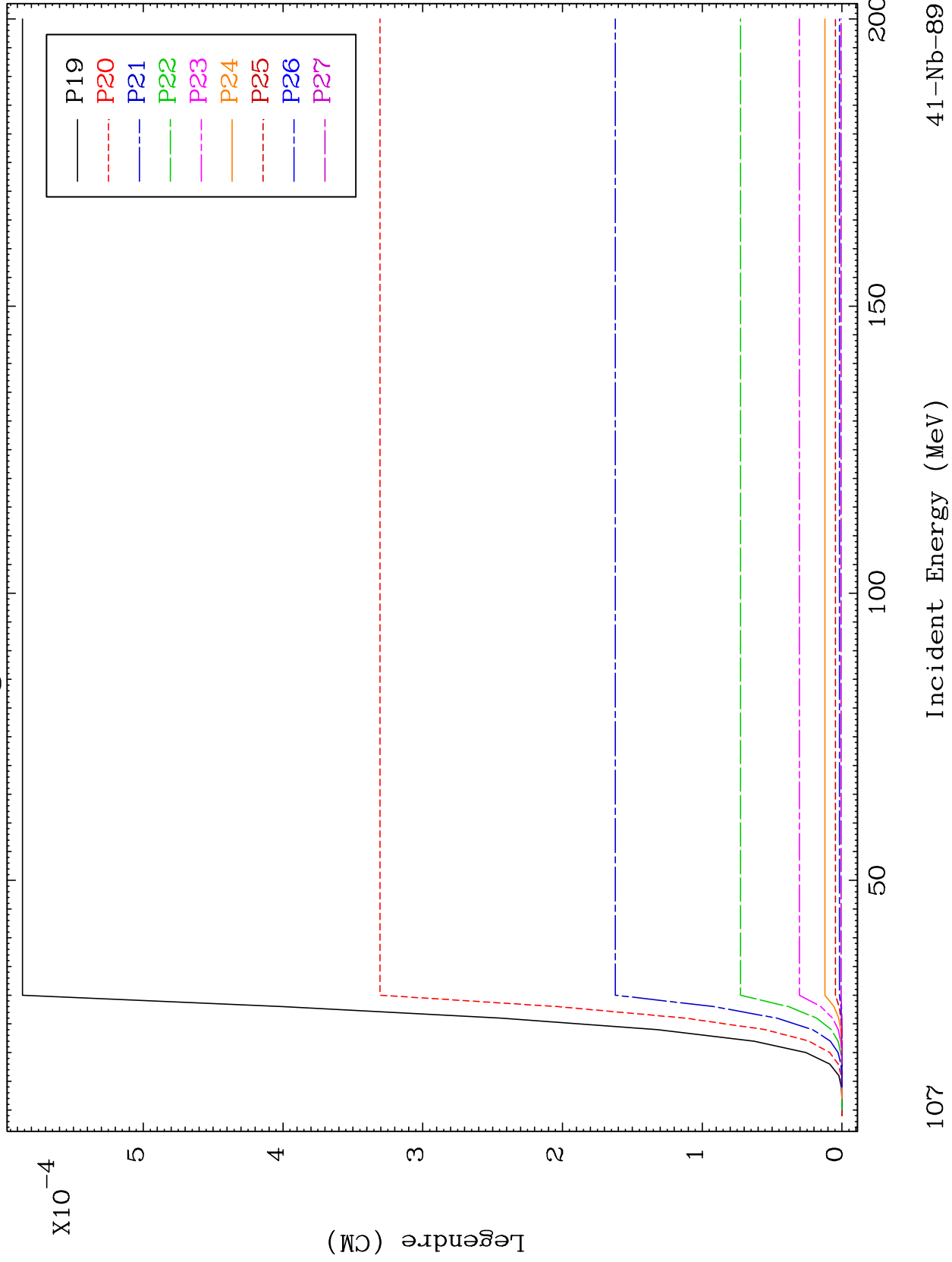
105



MAT 4113

MT= 73 (n,n') Level
Legendre Coefficients

41-Nb-89

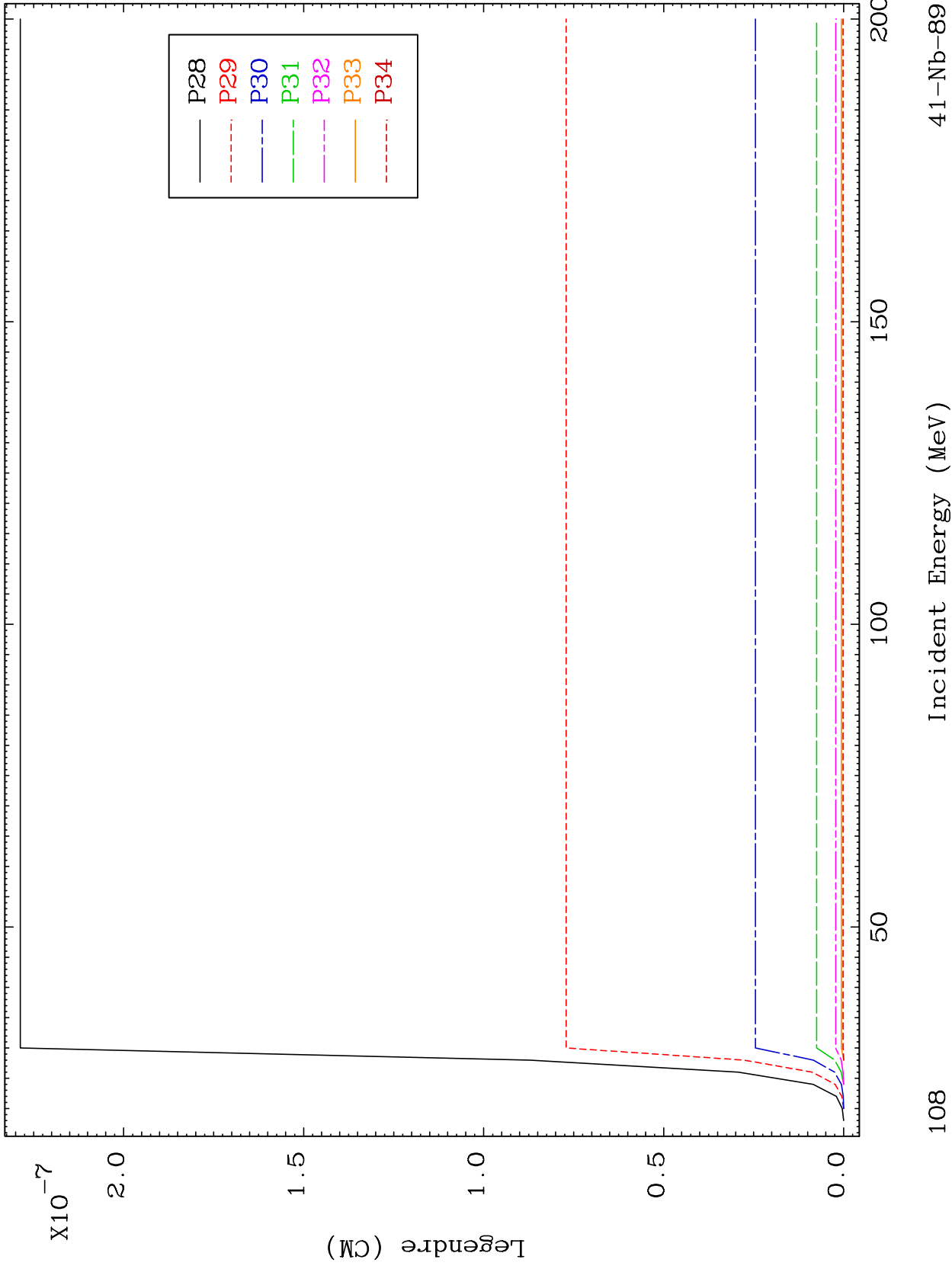


107

MAT 4113

MT= 73 (n,n') Level
Legendre Coefficients

41-Nb-89



108

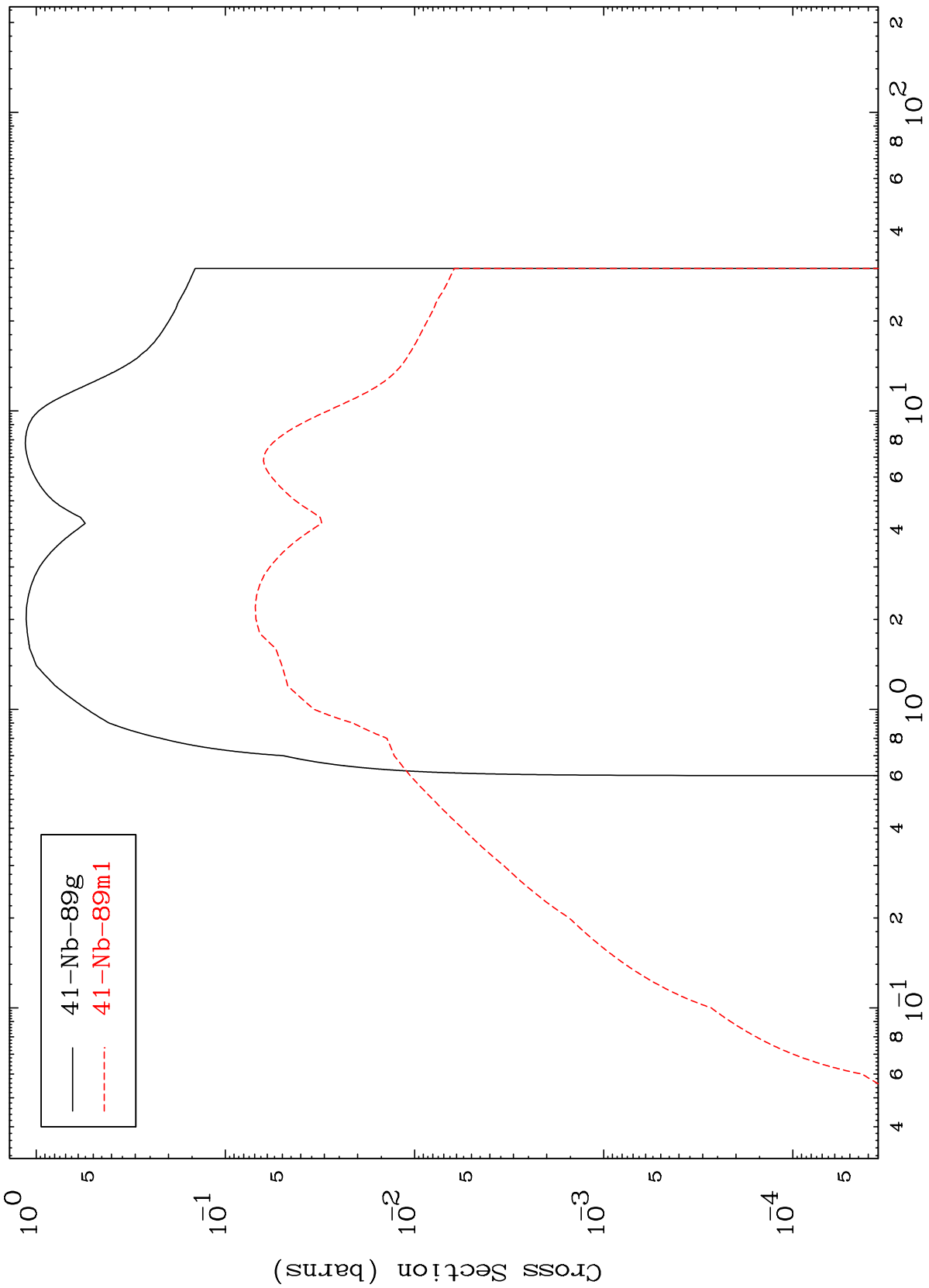
Incident Energy (MeV)

41-Nb-89

MAT 4113

41-Nb-89

Radionuclide Production Cross Section



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

109

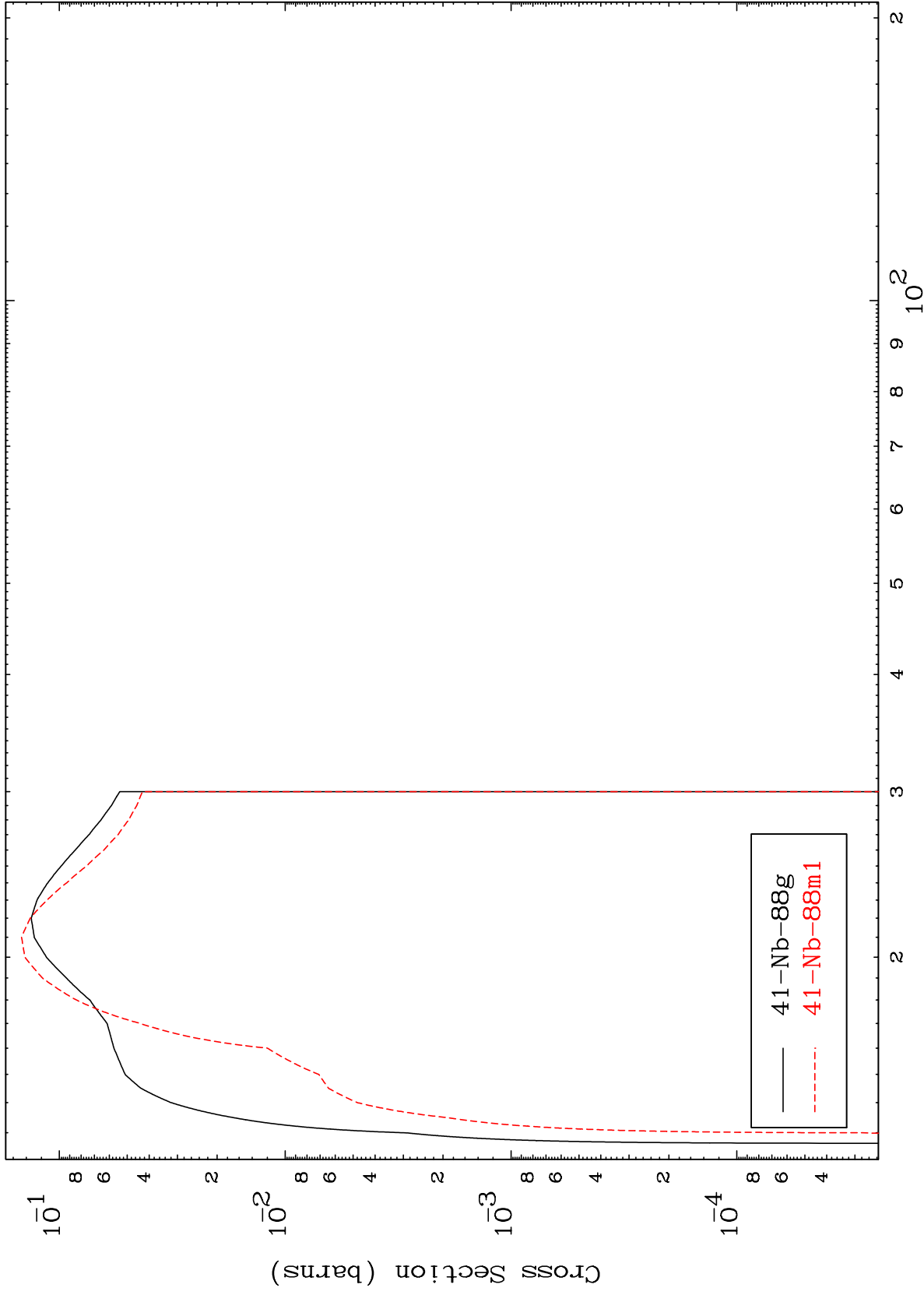
41-Nb-89

Incident Energy (MeV)

MAT 4113

41-Nb-89

(n,2n)
Radionuclide Production Cross Section



110

41-Nb-89

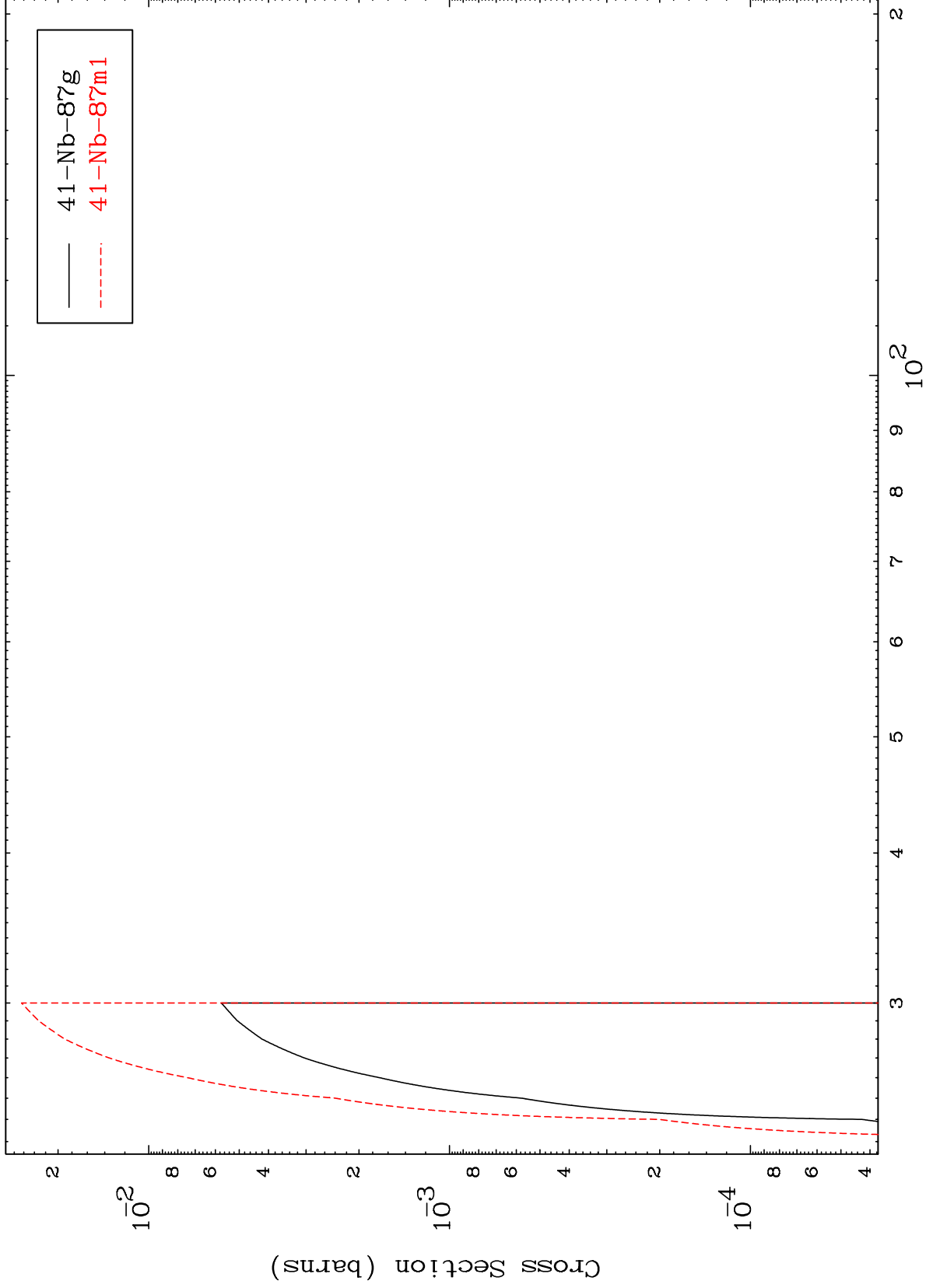
Incident Energy (MeV)

MAT 4113

(n,3n)

41-Nb-89

Radionuclide Production Cross Section



111

Incident Energy (MeV)

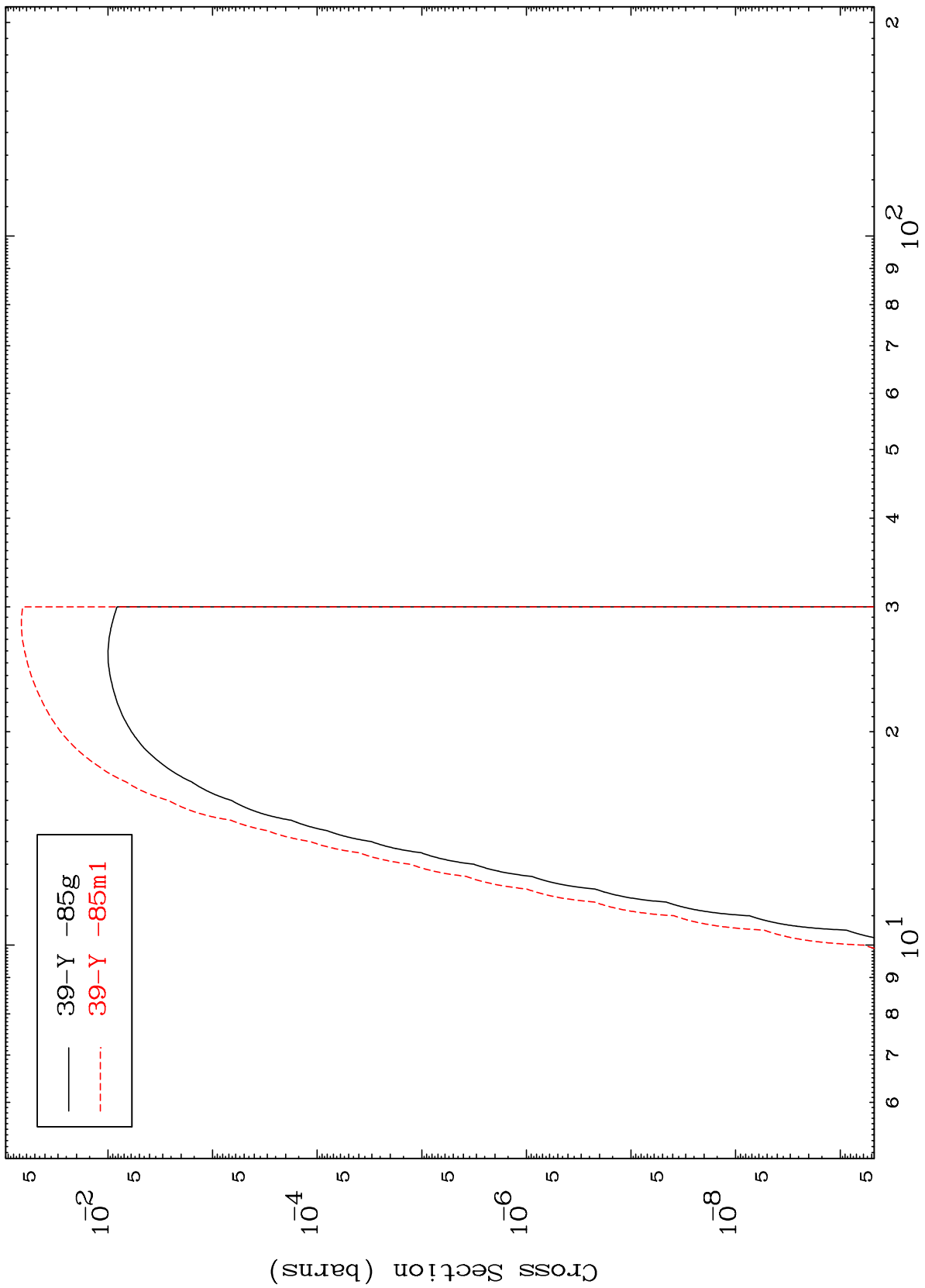
41-Nb-89

MAT 4113

$(n, n') \alpha$

41-Nb-89

Radionuclide Production Cross Section

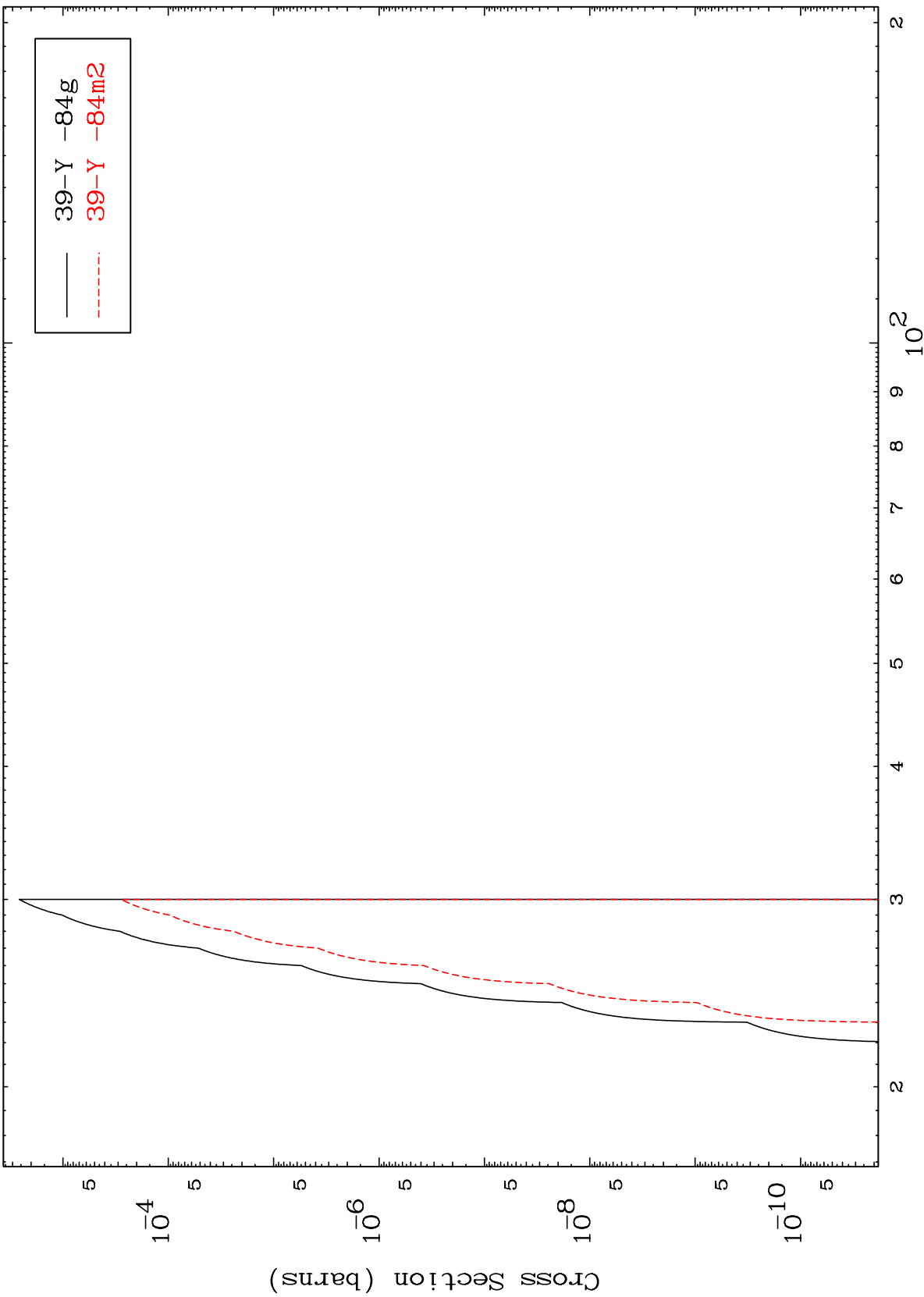


112

Incident Energy (MeV)

41-Nb-89

Radionuclide Production Cross Section



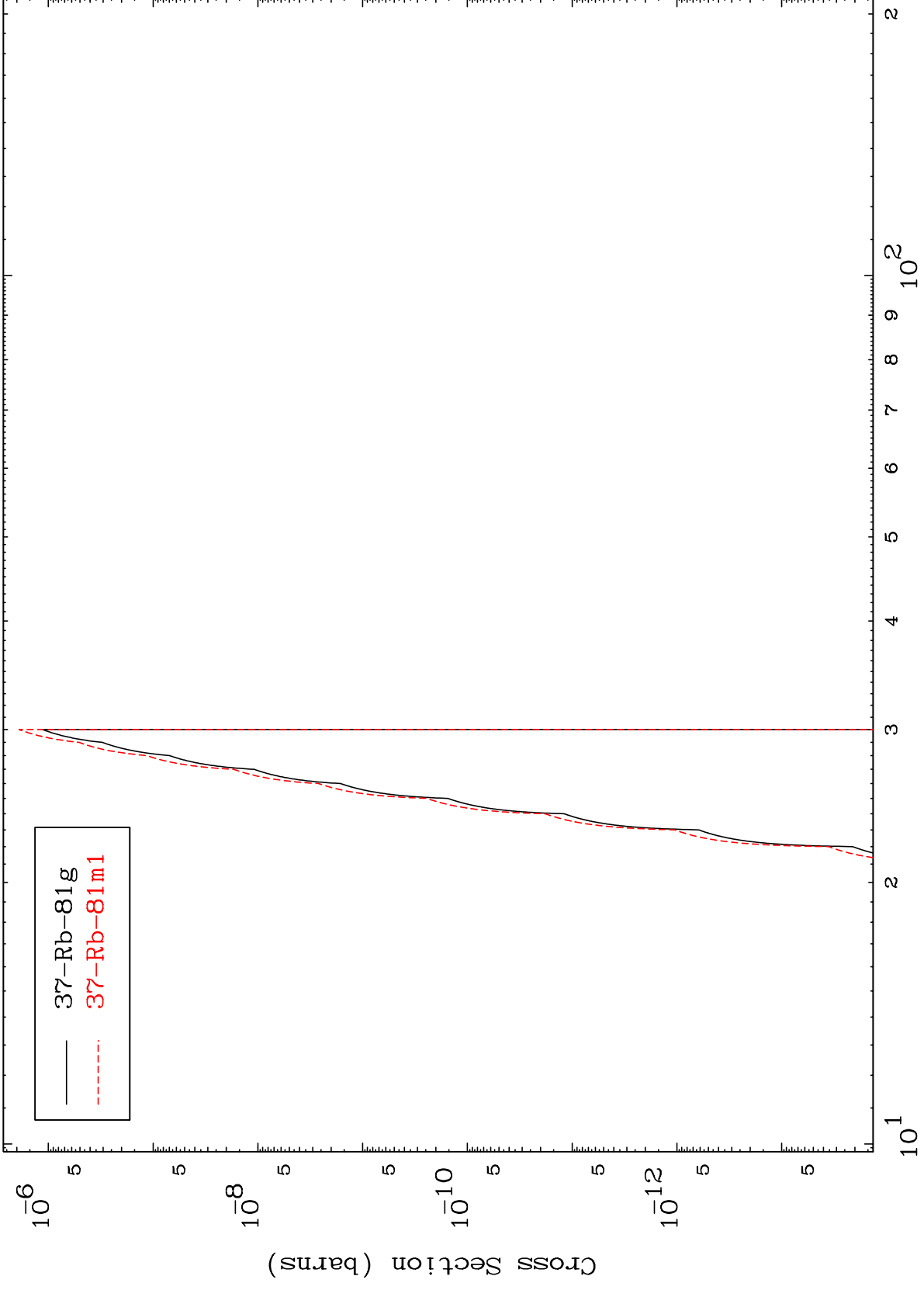
39-Y -84g
39-Y -84m2

MAT 4113

(n,n') 2α

41-Nb-89

Radionuclide Production Cross Section

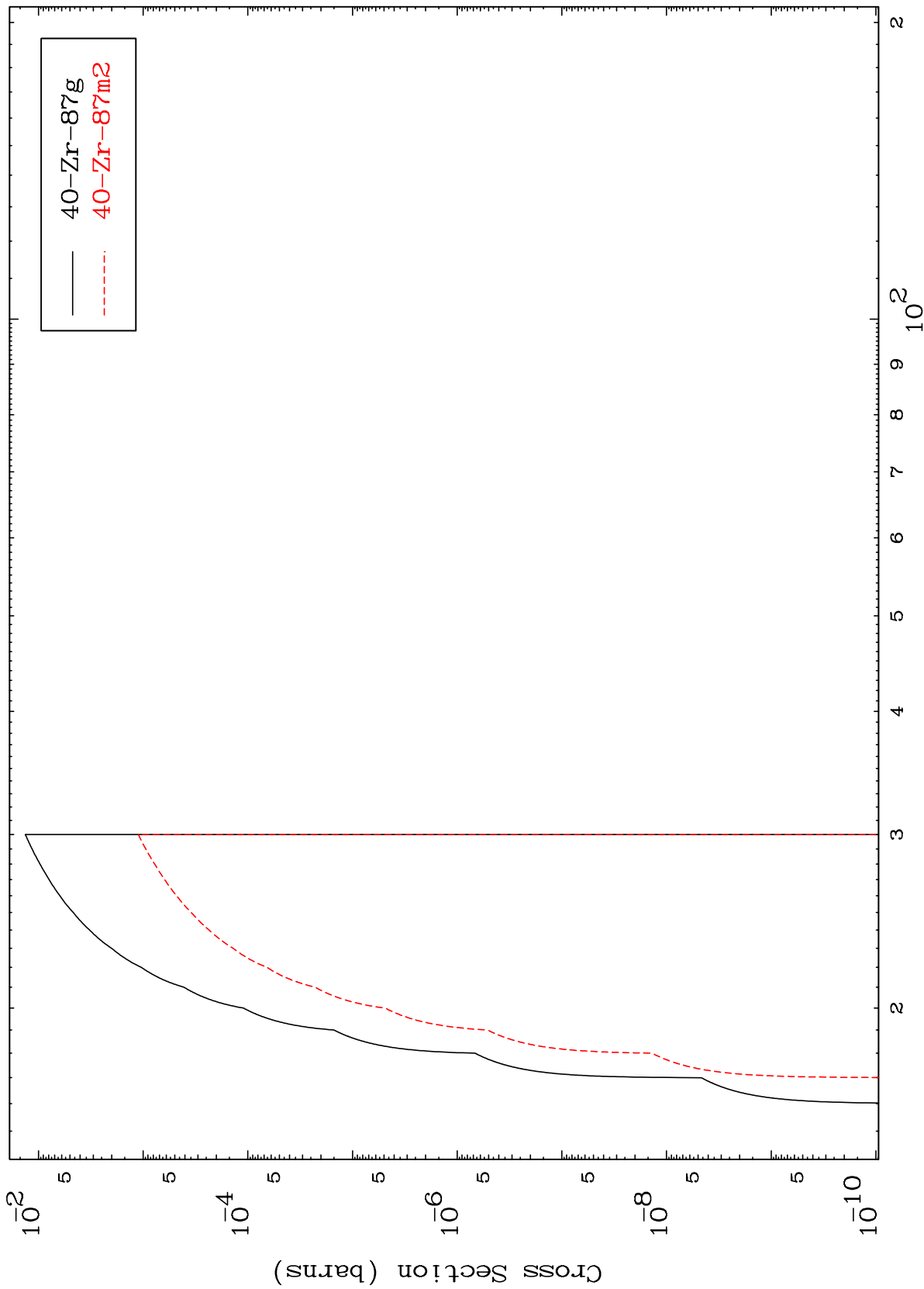


114

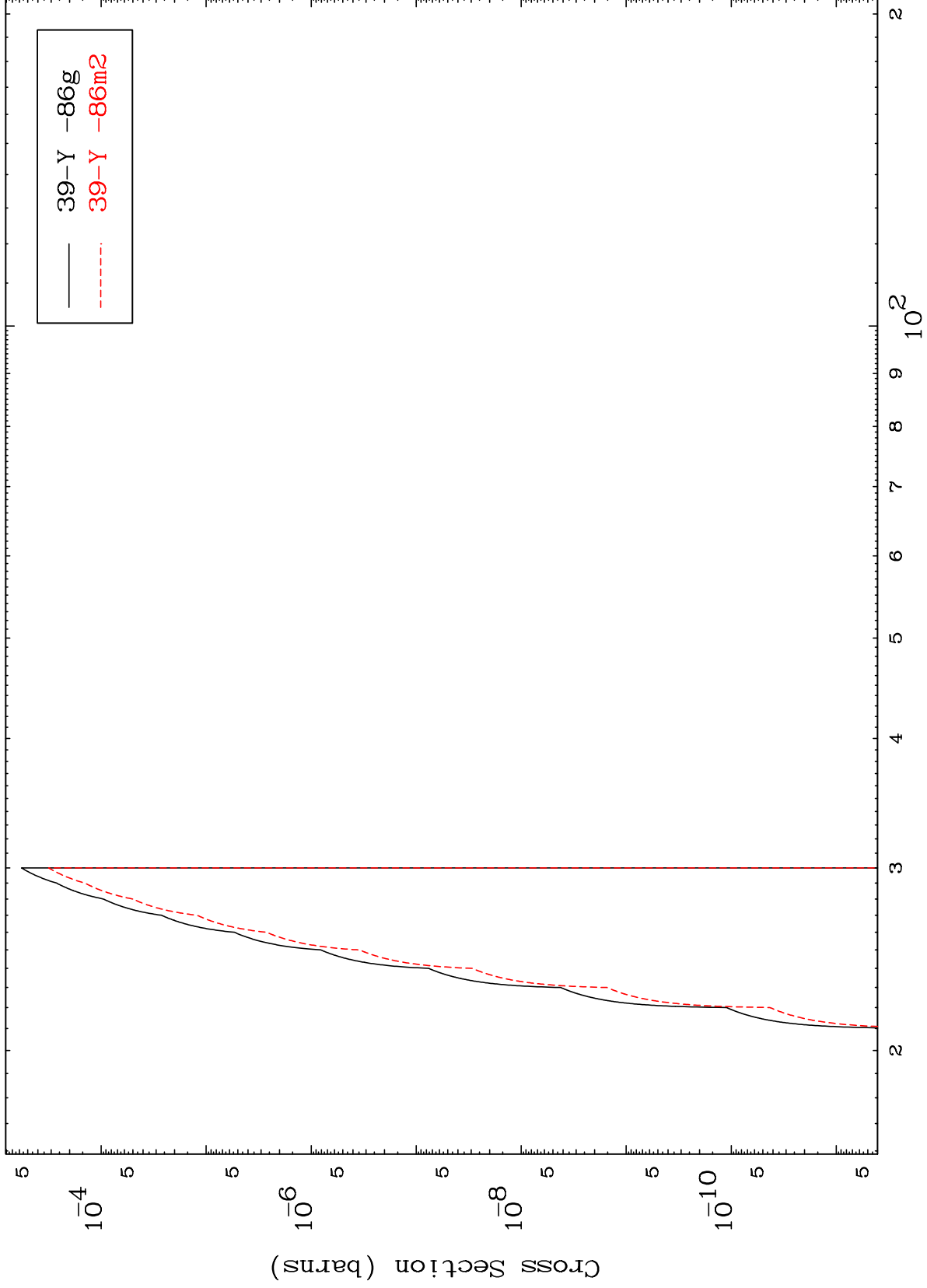
Incident Energy (MeV)

41-Nb-89

Radionuclide Production Cross Section



Radionuclide Production Cross Section



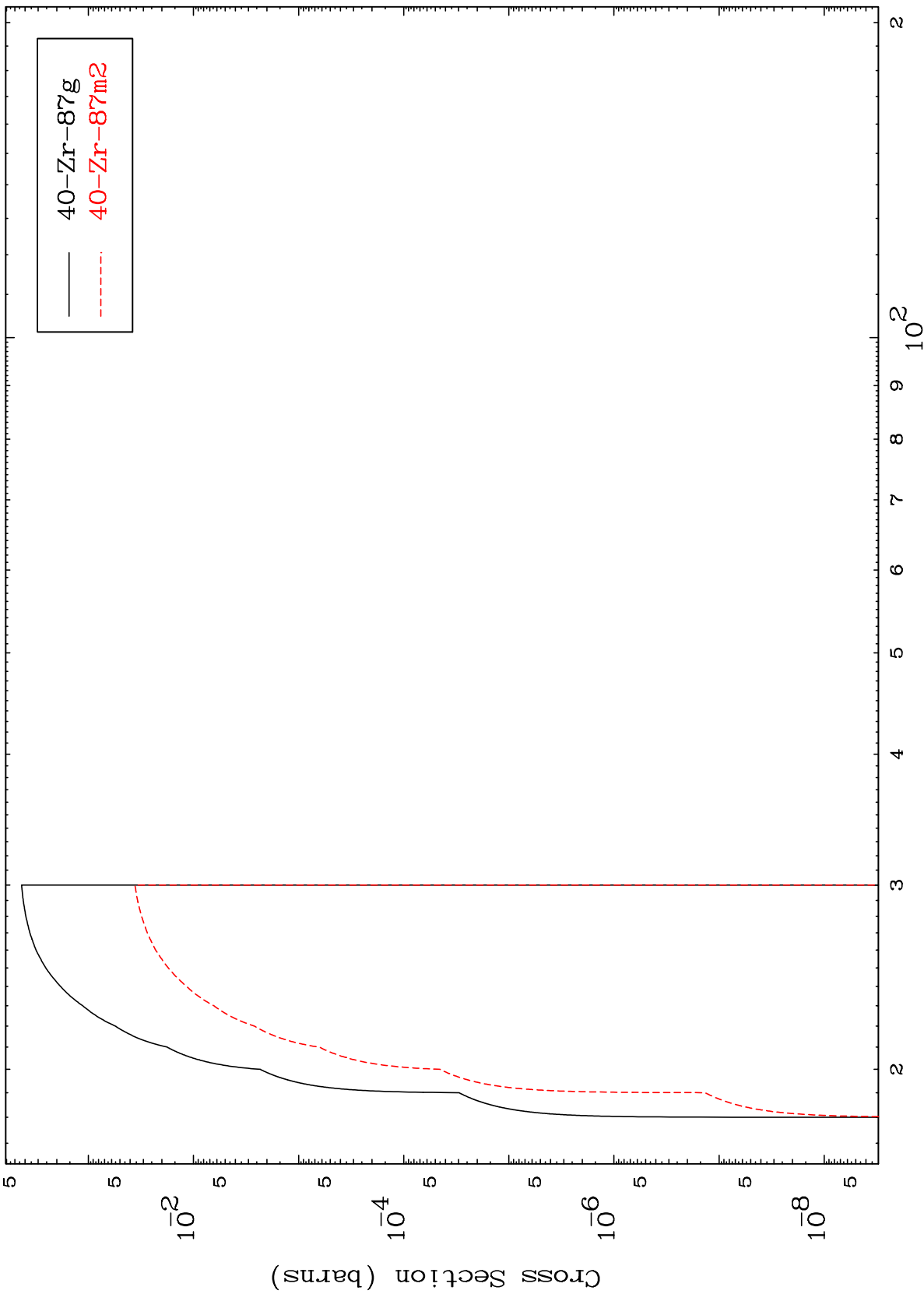
39-Y-86g
39-Y-86m2

MAT 4113

(n,2n) p

41-Nb-89

Radionuclide Production Cross Section



117

Incident Energy (MeV)

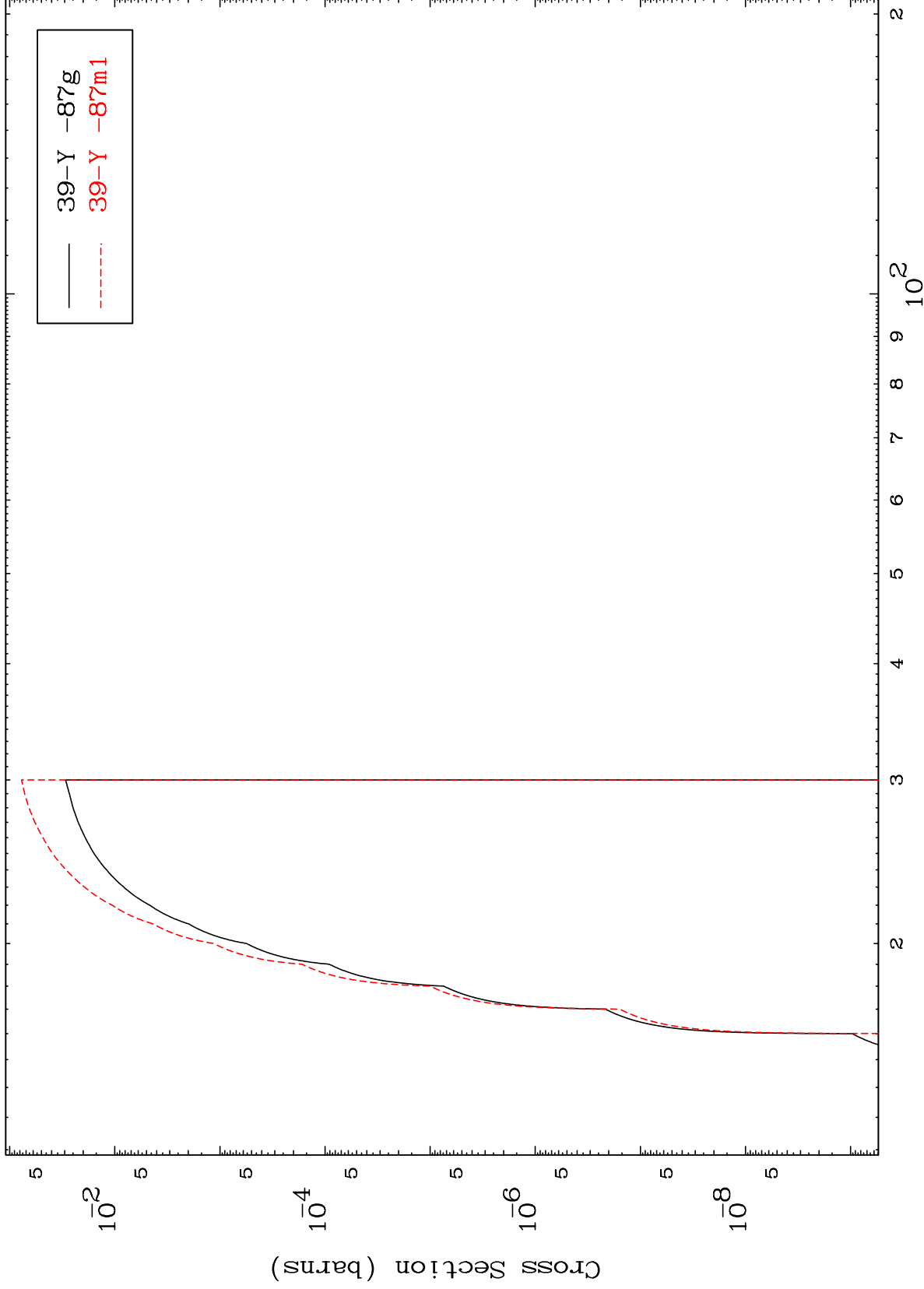
41-Nb-89

MAT 4113

(n,2n) p

41-Nb-89

Radionuclide Production Cross Section

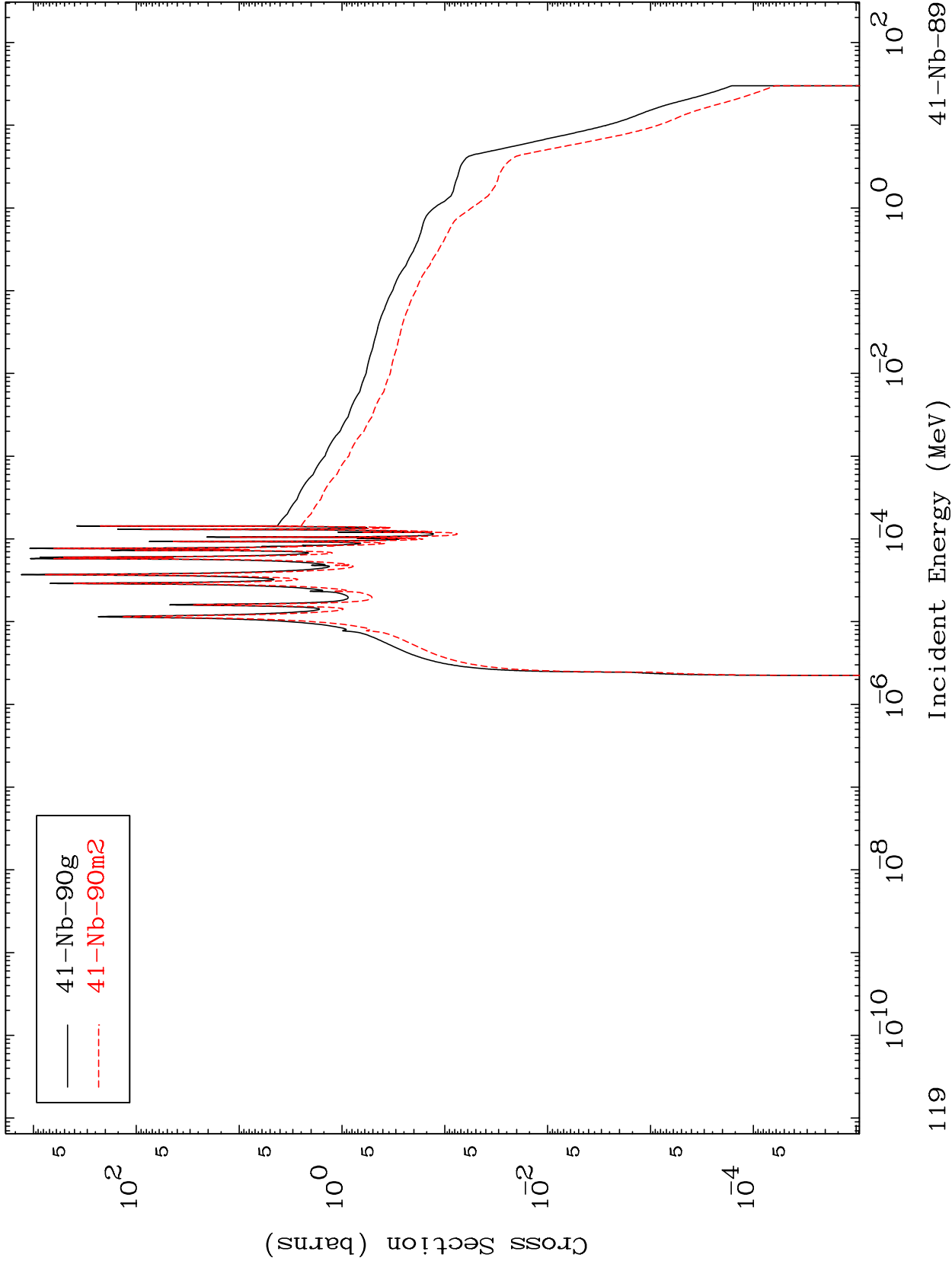


118

Incident Energy (MeV)

41-Nb-89

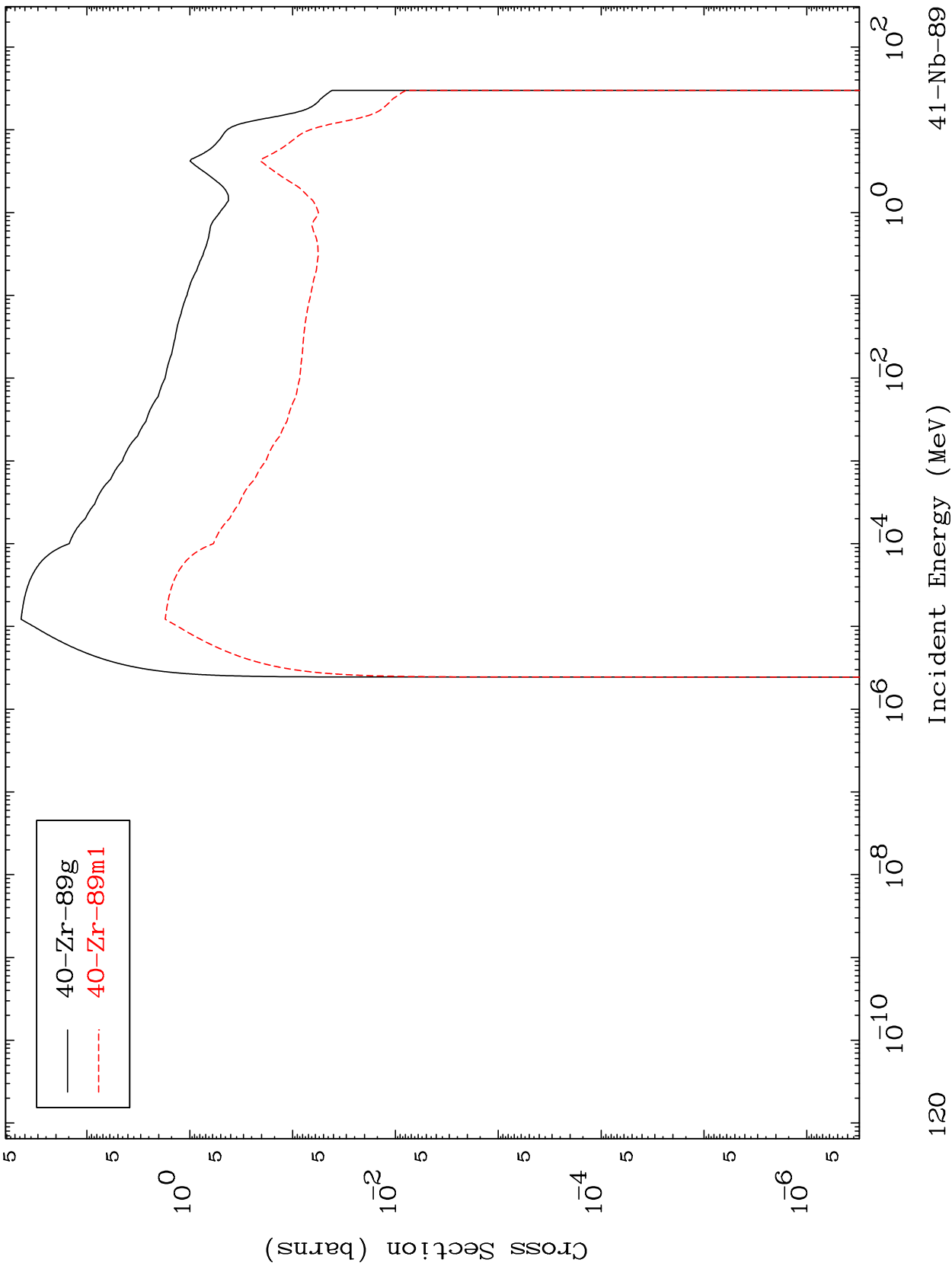
(n,γ)
Radionuclide Production Cross Section



MAT 4113

41-Nb-89

(n,p)
Radionuclide Production Cross Section



120

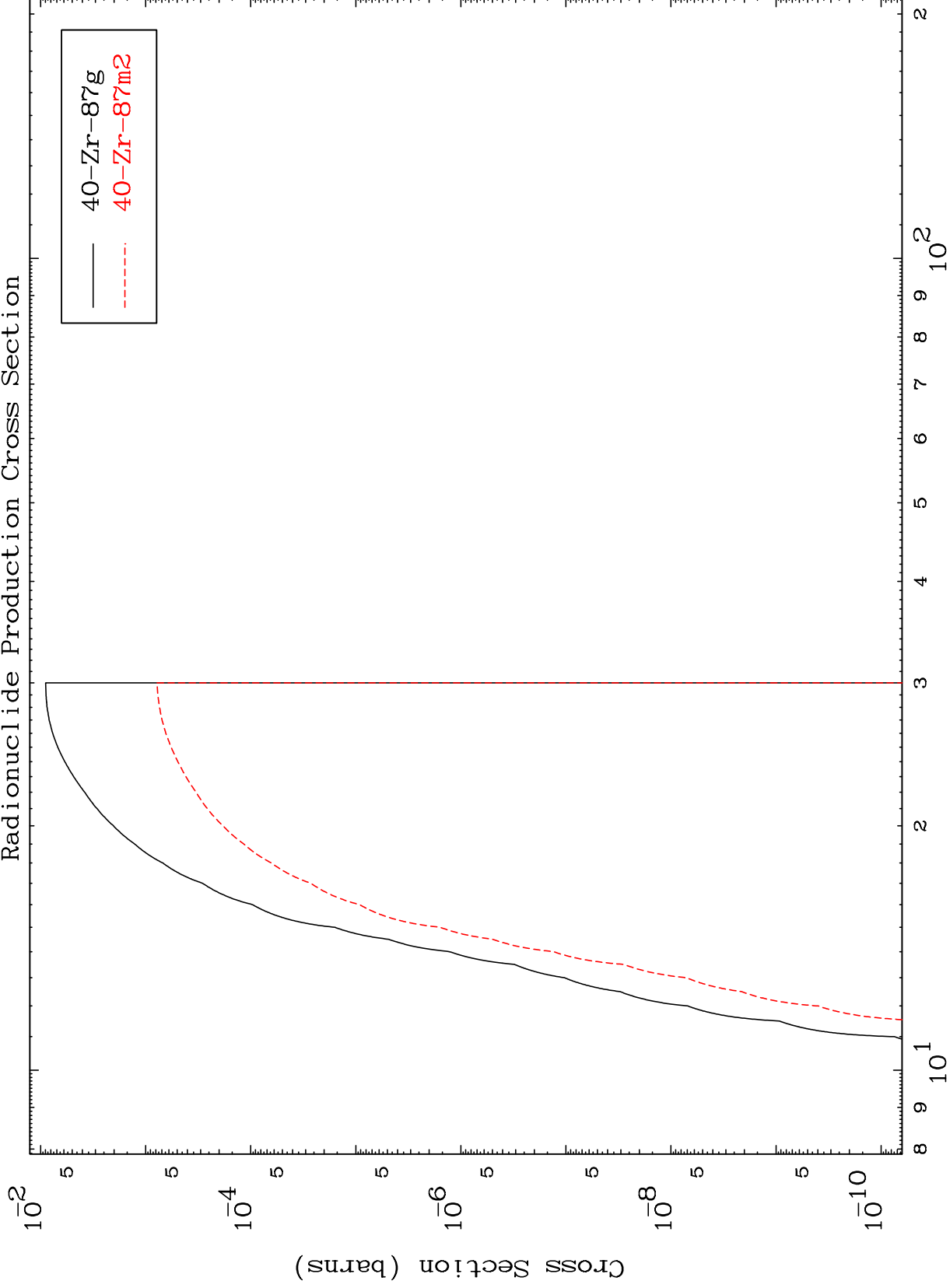
41-Nb-89

MAT 4113

(n, t)

41-Nb-89

Radionuclide Production Cross Section



121

Incident Energy (MeV)

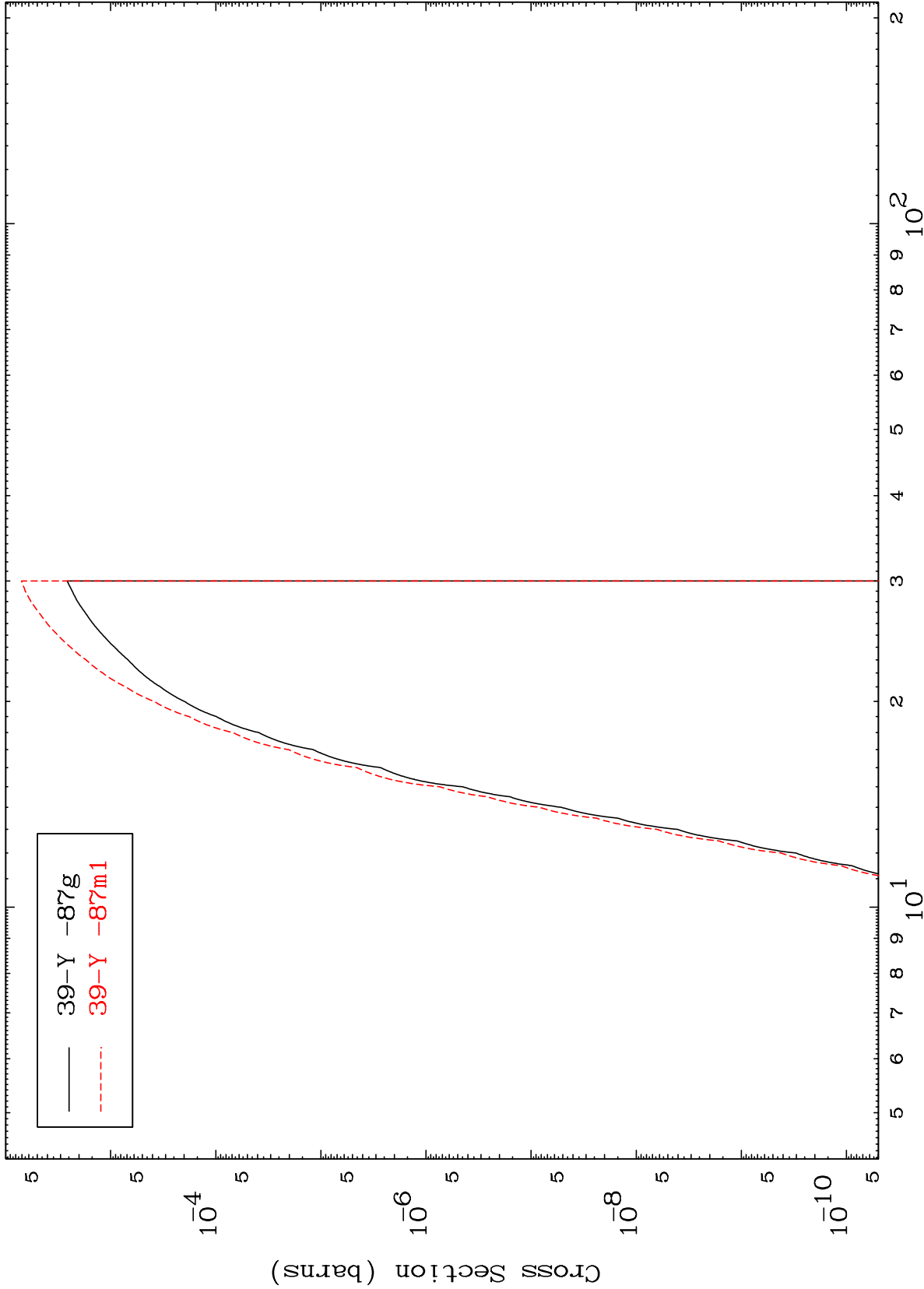
41-Nb-89

MAT 4113

(n,He-3)

41-Nb-89

Radionuclide Production Cross Section



— 39-Y -87g
- - - 39-Y -87m1

122

Incident Energy (MeV)

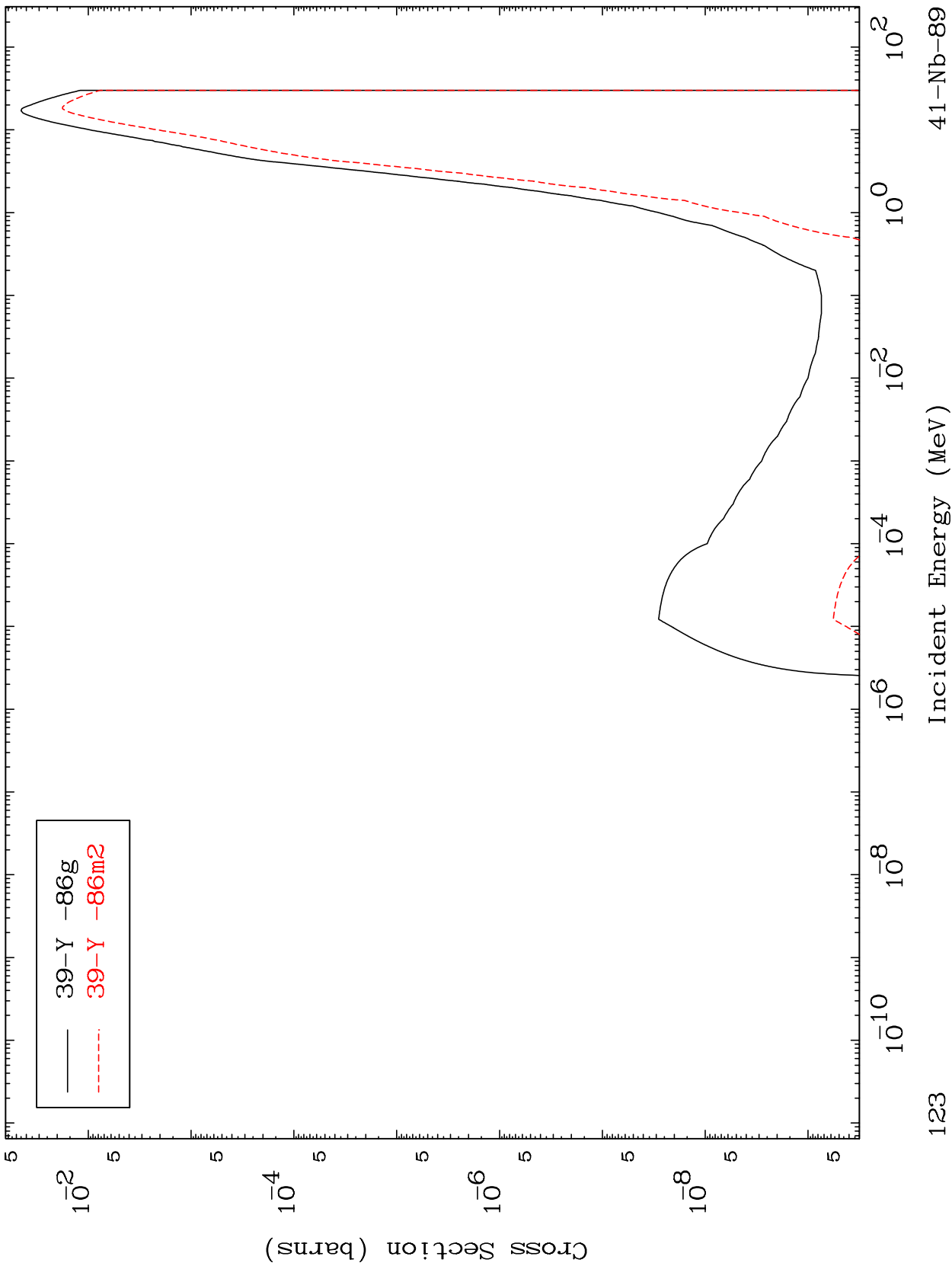
41-Nb-89

MAT 4113

(n, α)

41-Nb-89

Radionuclide Production Cross Section

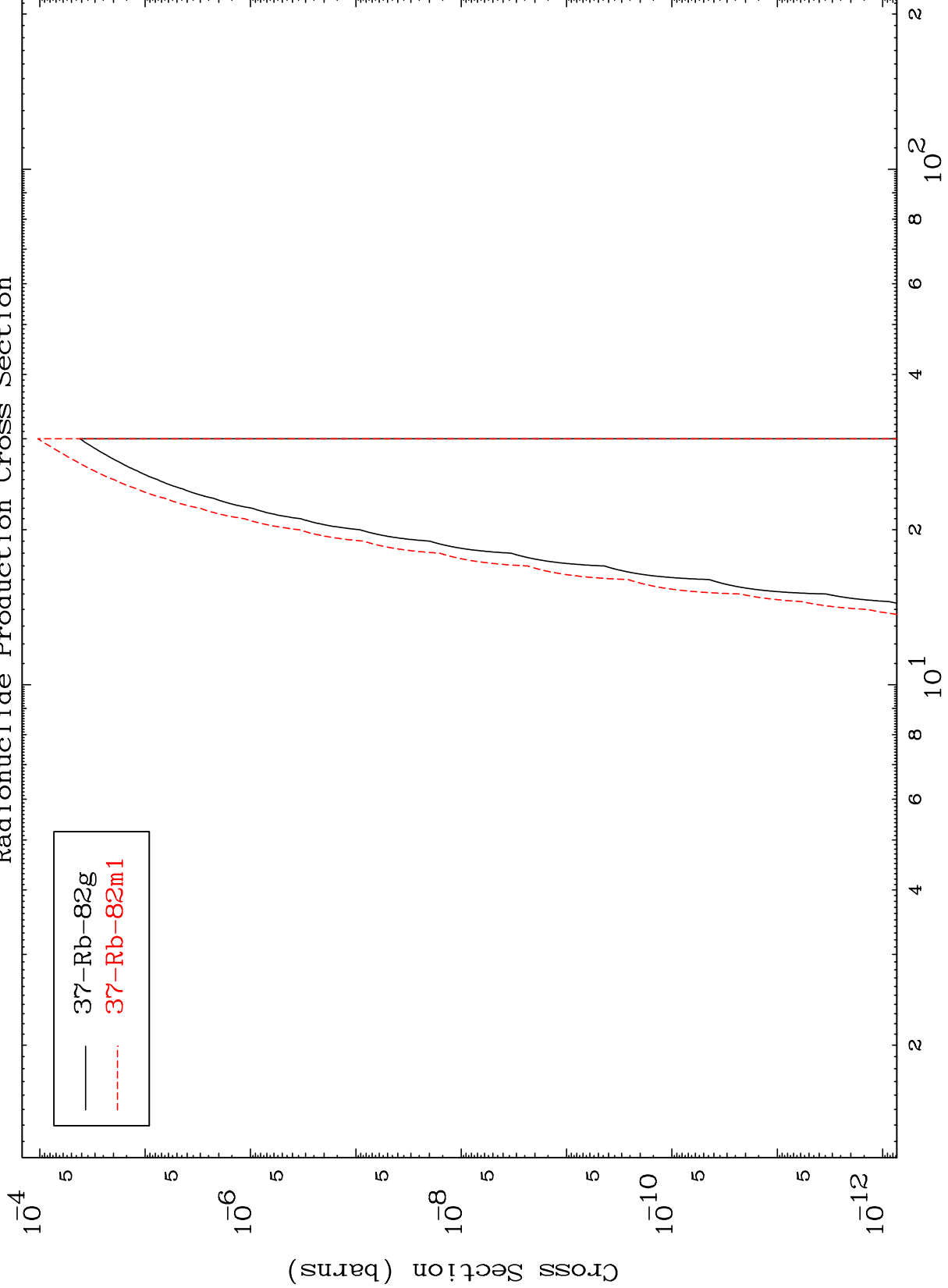


MAT 4113

(n,2α)

41-Nb-89

Radionuclide Production Cross Section



— 37-Rb-82g
- - - 37-Rb-82m1

124

Incident Energy (MeV)

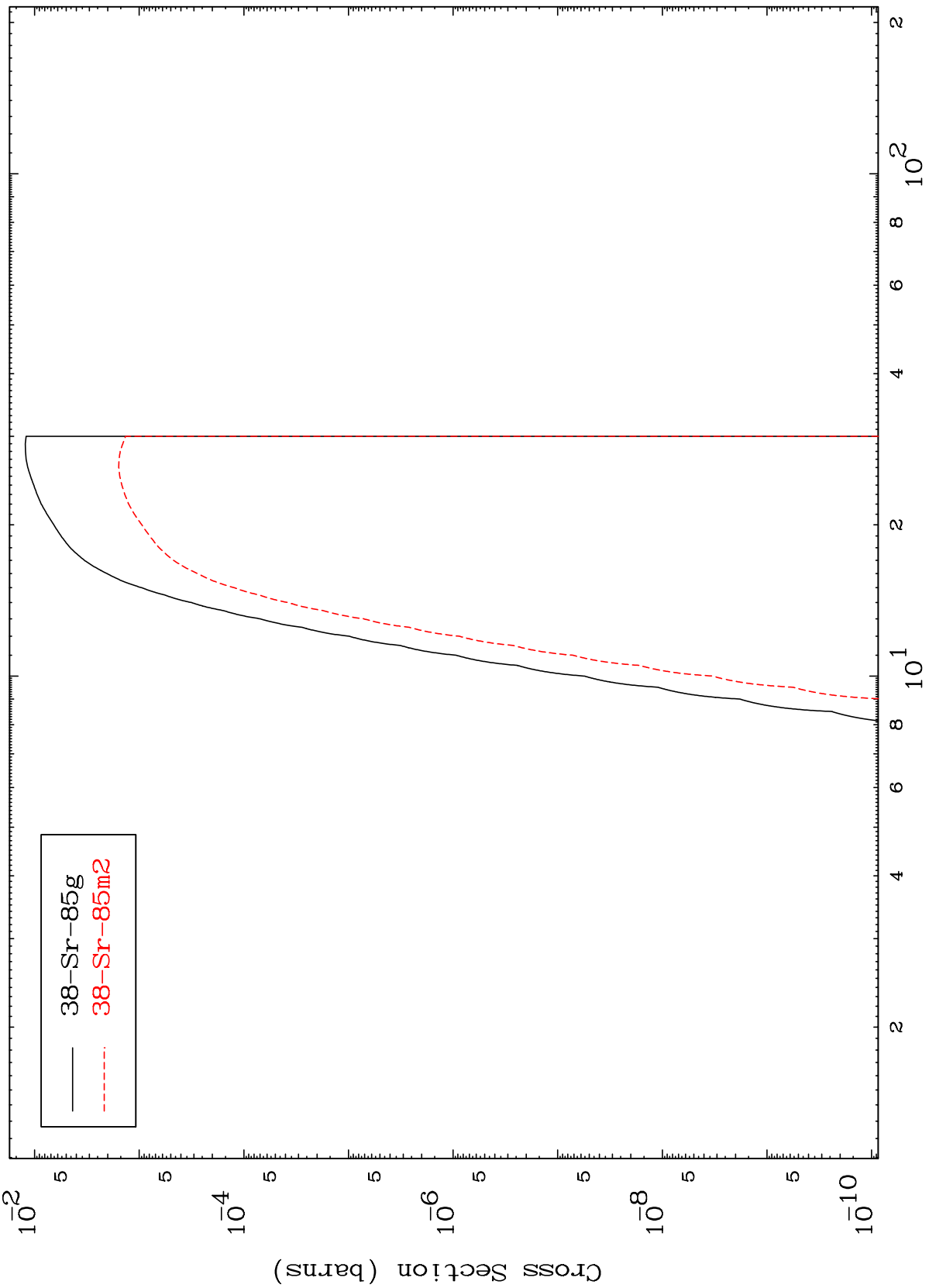
41-Nb-89

MAT 4113

(n,p) α

41-Nb-89

Radionuclide Production Cross Section



125

Incident Energy (MeV)

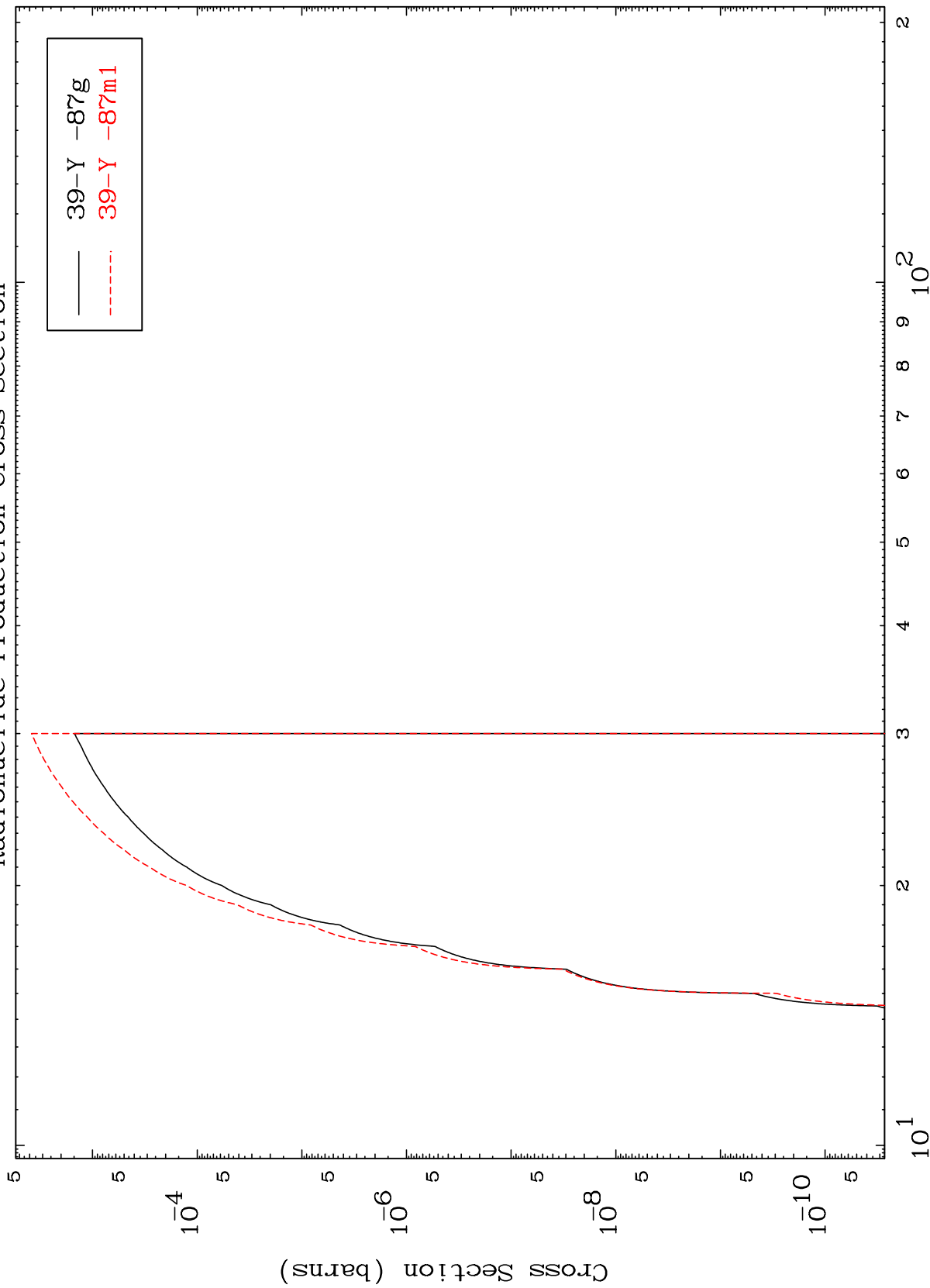
41-Nb-89

MAT 4113

(n,p) d

41-Nb-89

Radionuclide Production Cross Section



126

Incident Energy (MeV)

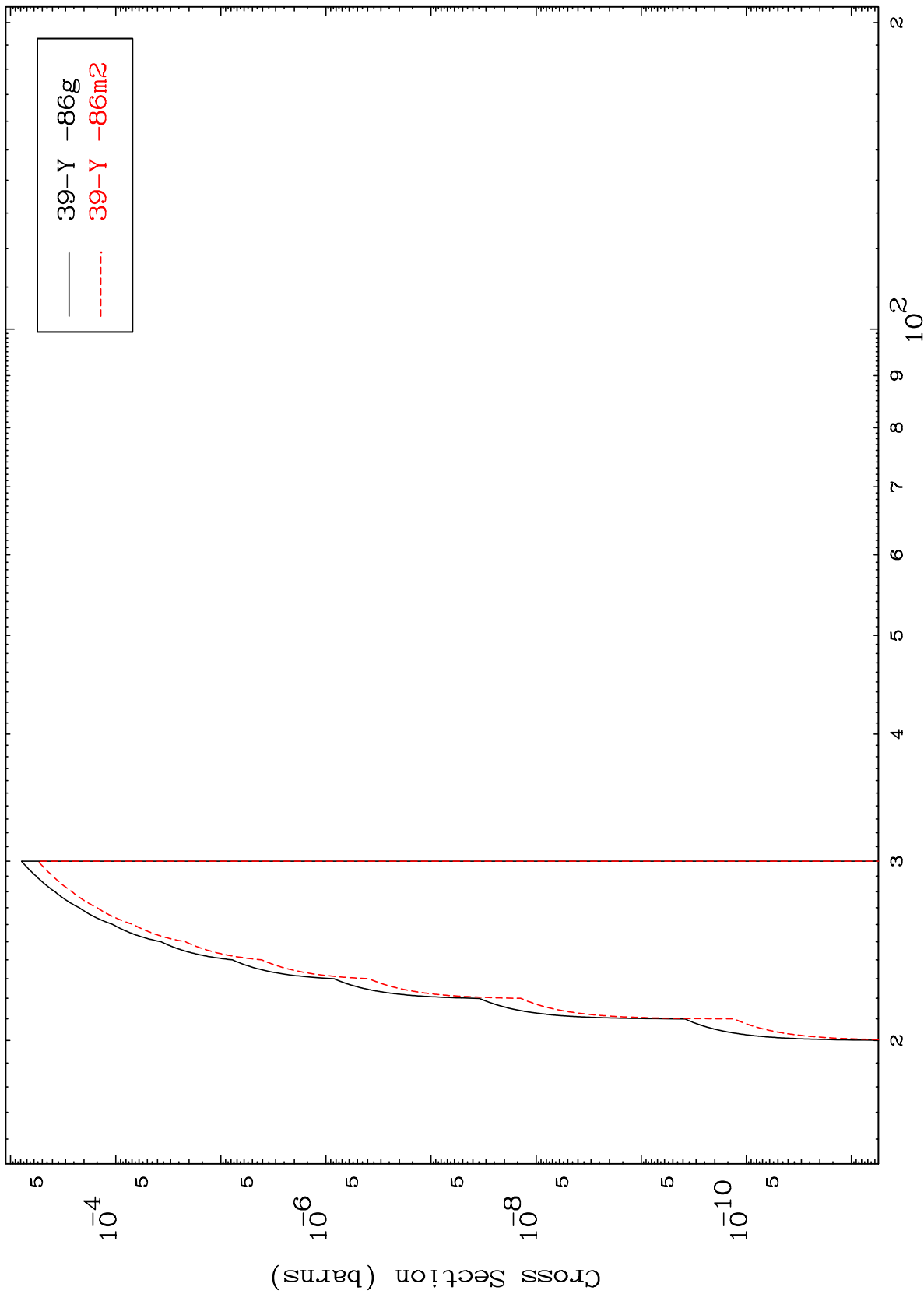
41-Nb-89

MAT 4113

(n,p) t

41-Nb-89

Radionuclide Production Cross Section



127

Incident Energy (MeV)

41-Nb-89