

Program EVALPLOT
(Version 2017-1)

by

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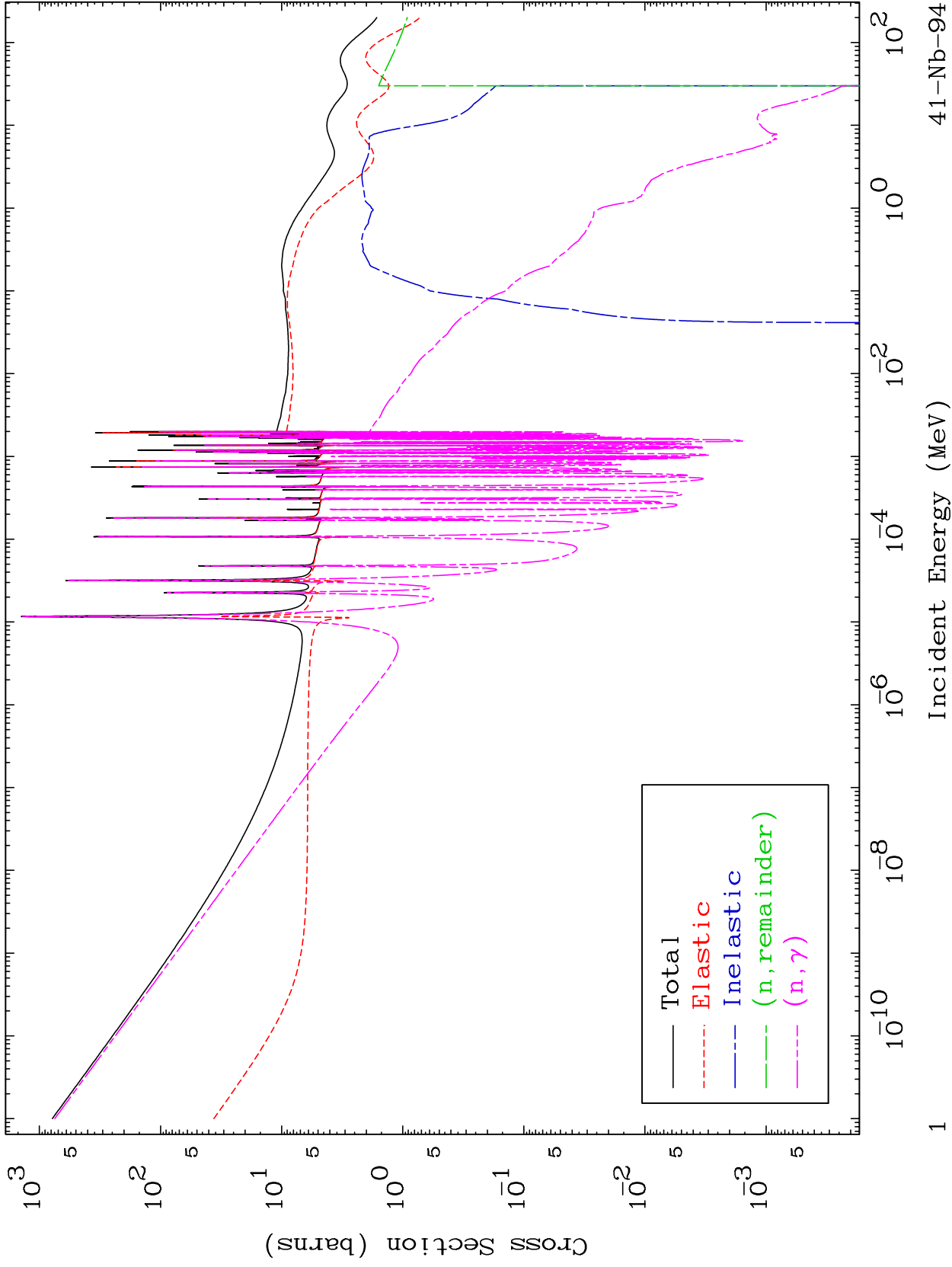
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Press Mouse Button to Start

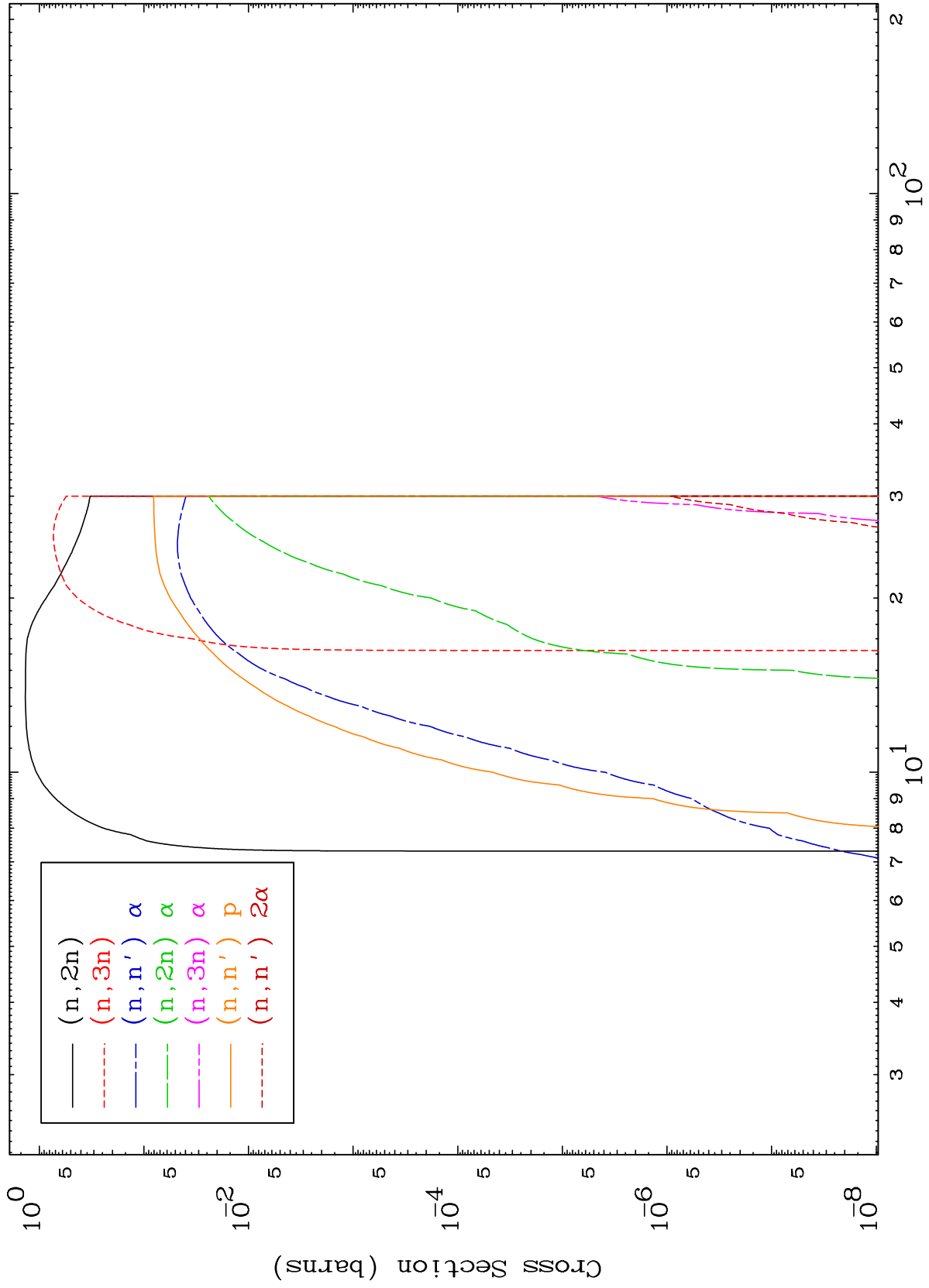
MAT 4128

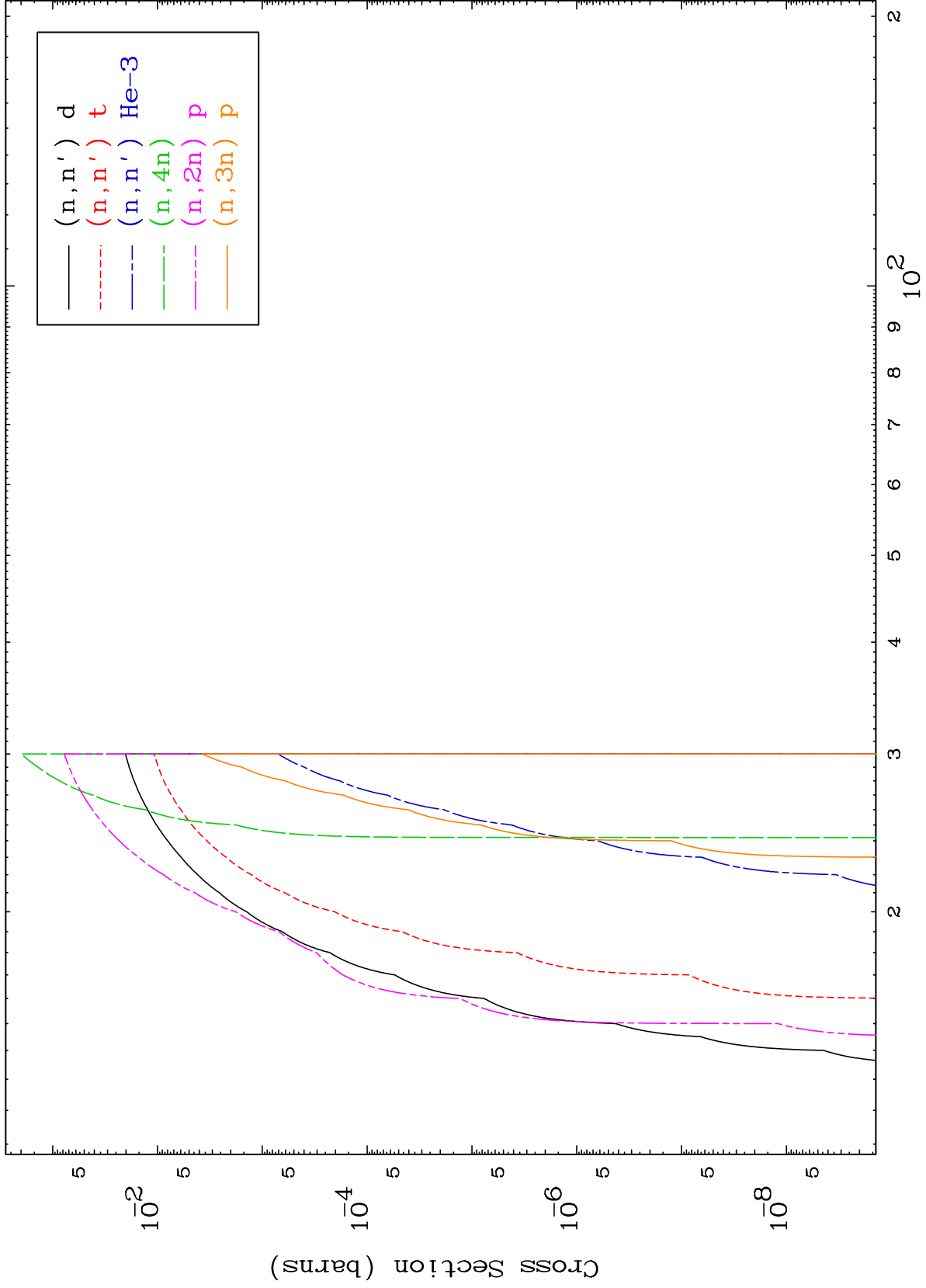
Major
293 Kelvin Cross Sections

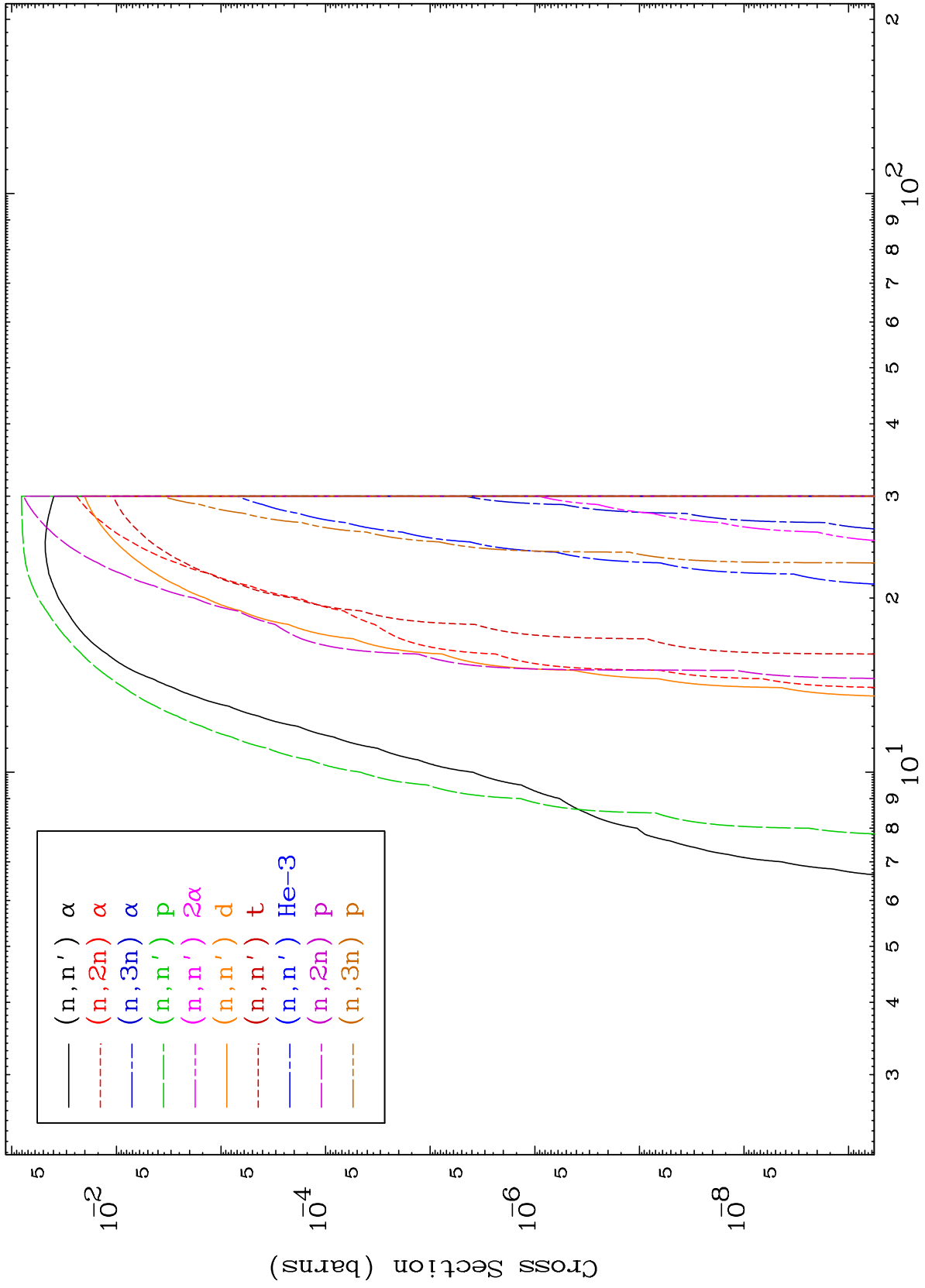
41-Nb-94



Neutron Production
293 Kelvin Cross Sections



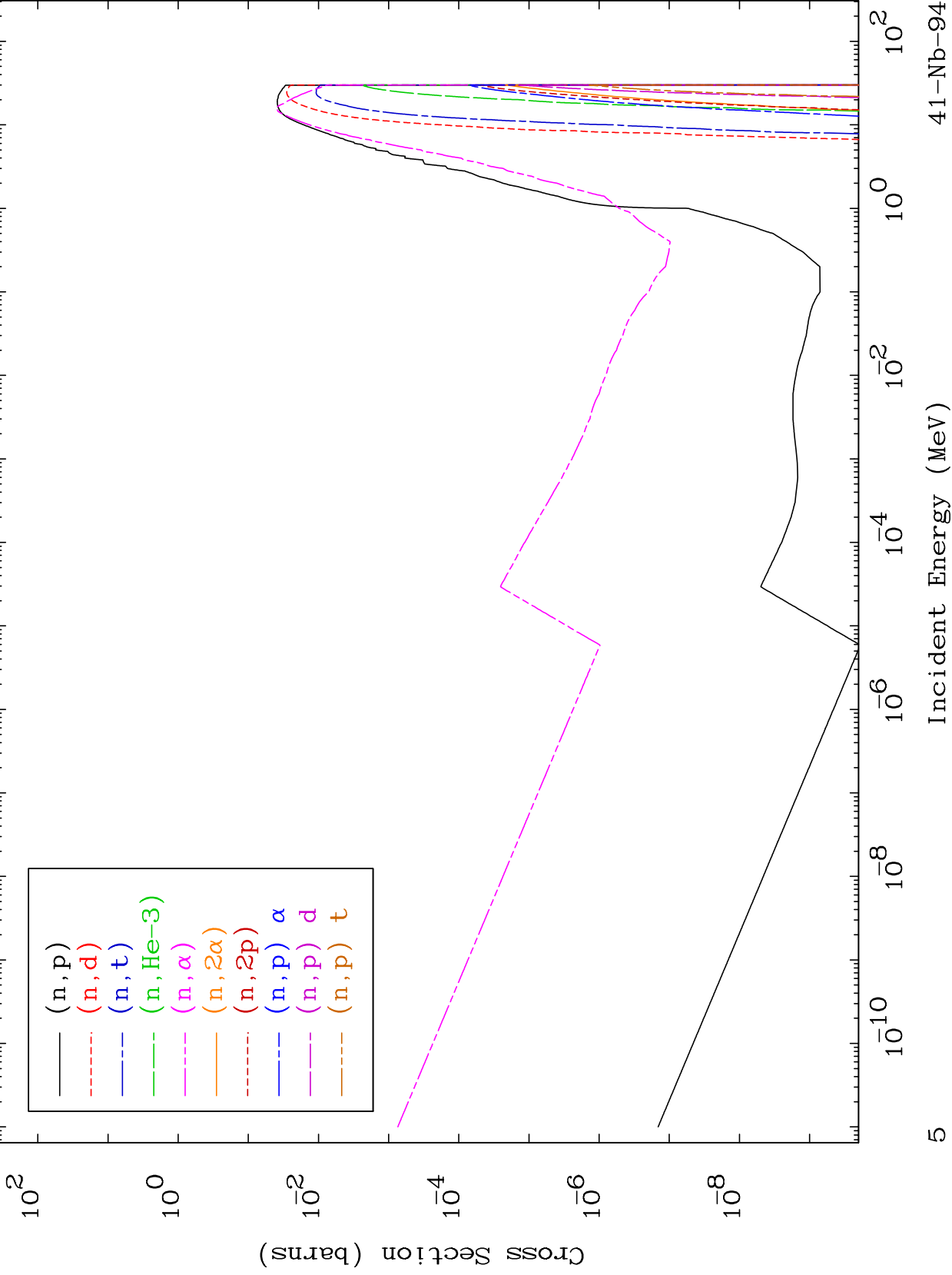




MAT 4128

Charged Particle
293 Kelvin Cross Sections

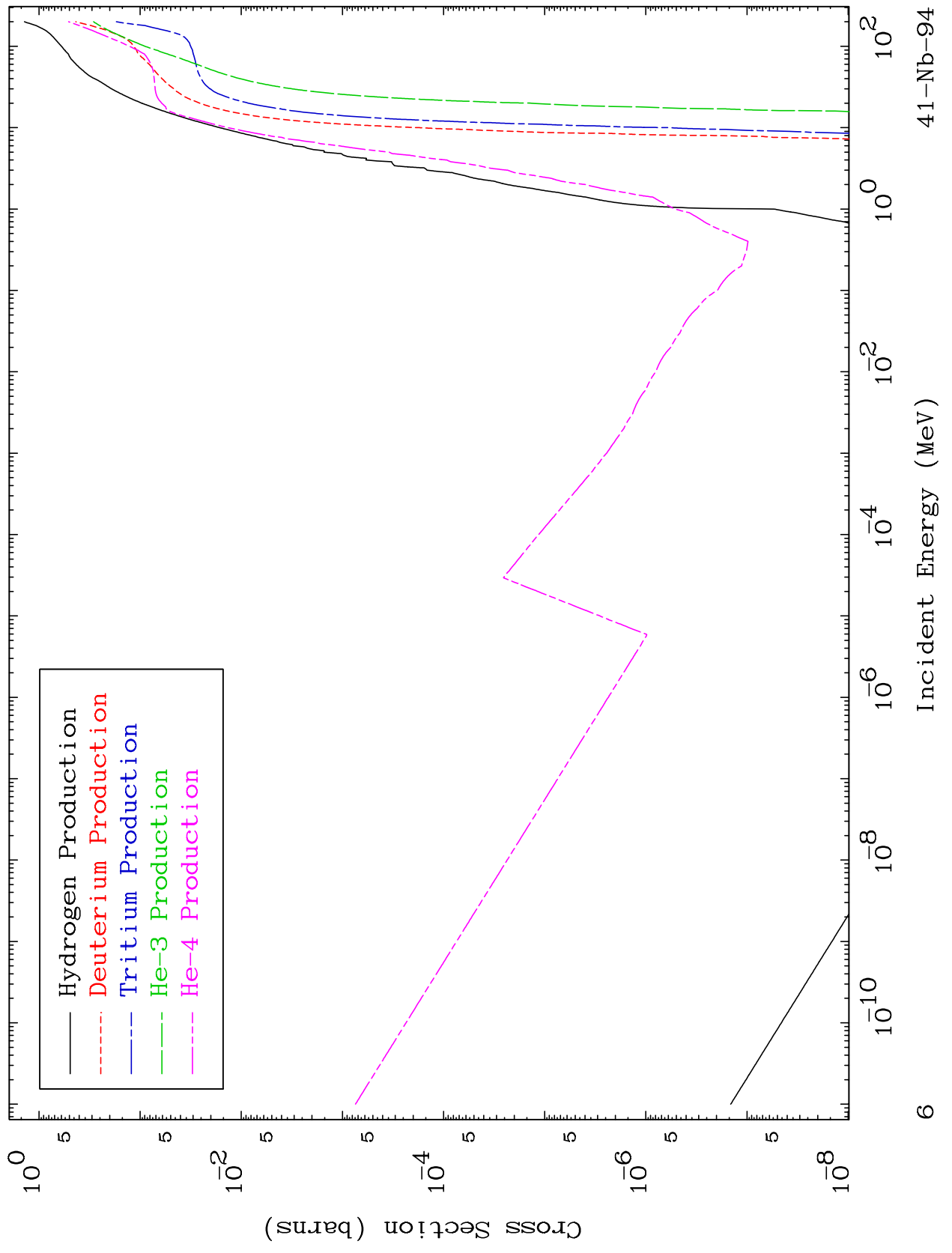
41-Nb-94



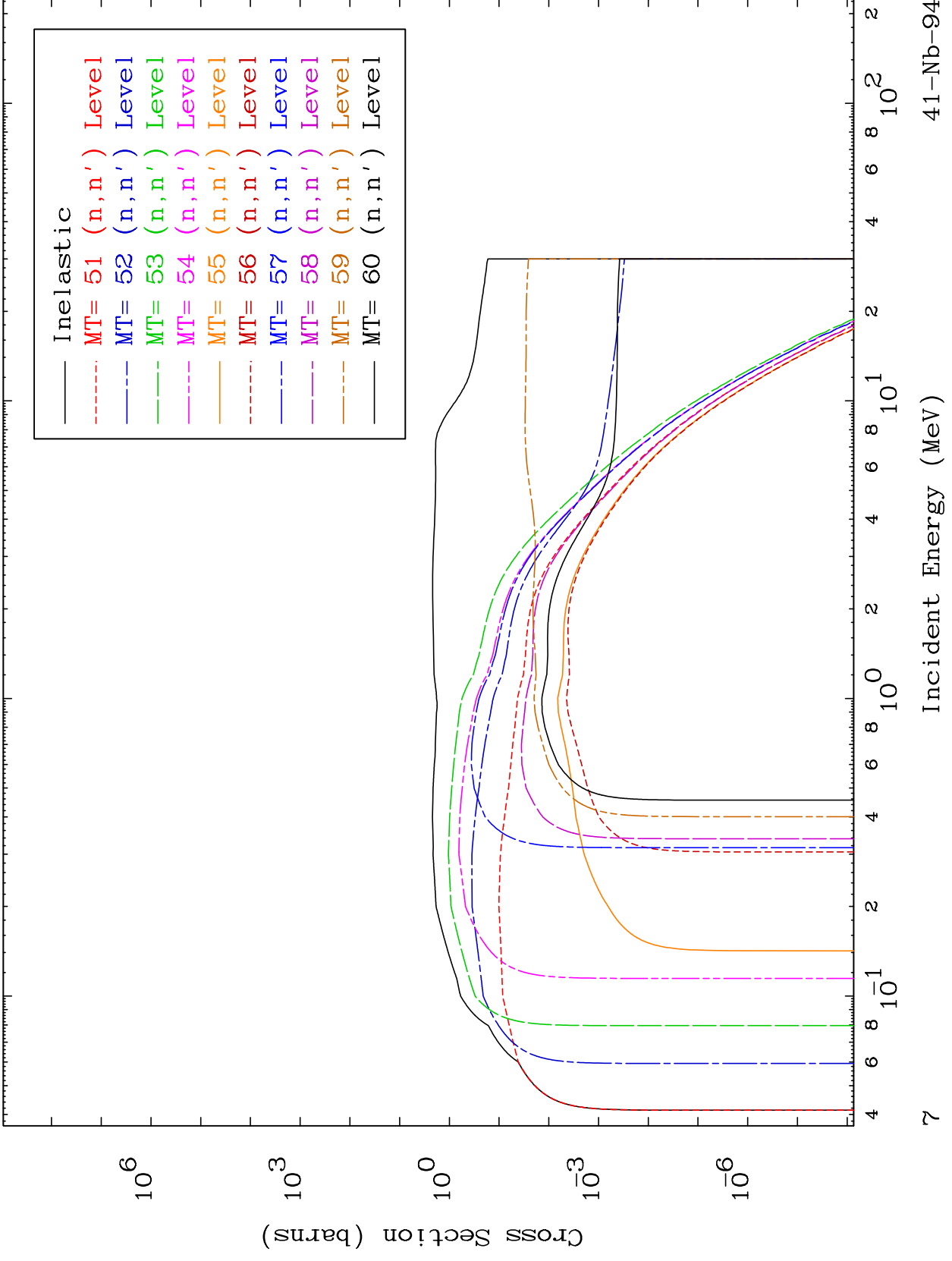
MAT 4128

Particle Production
293 Kelvin Cross Sections

41-Nb-94



293 Kelvin Cross Sections

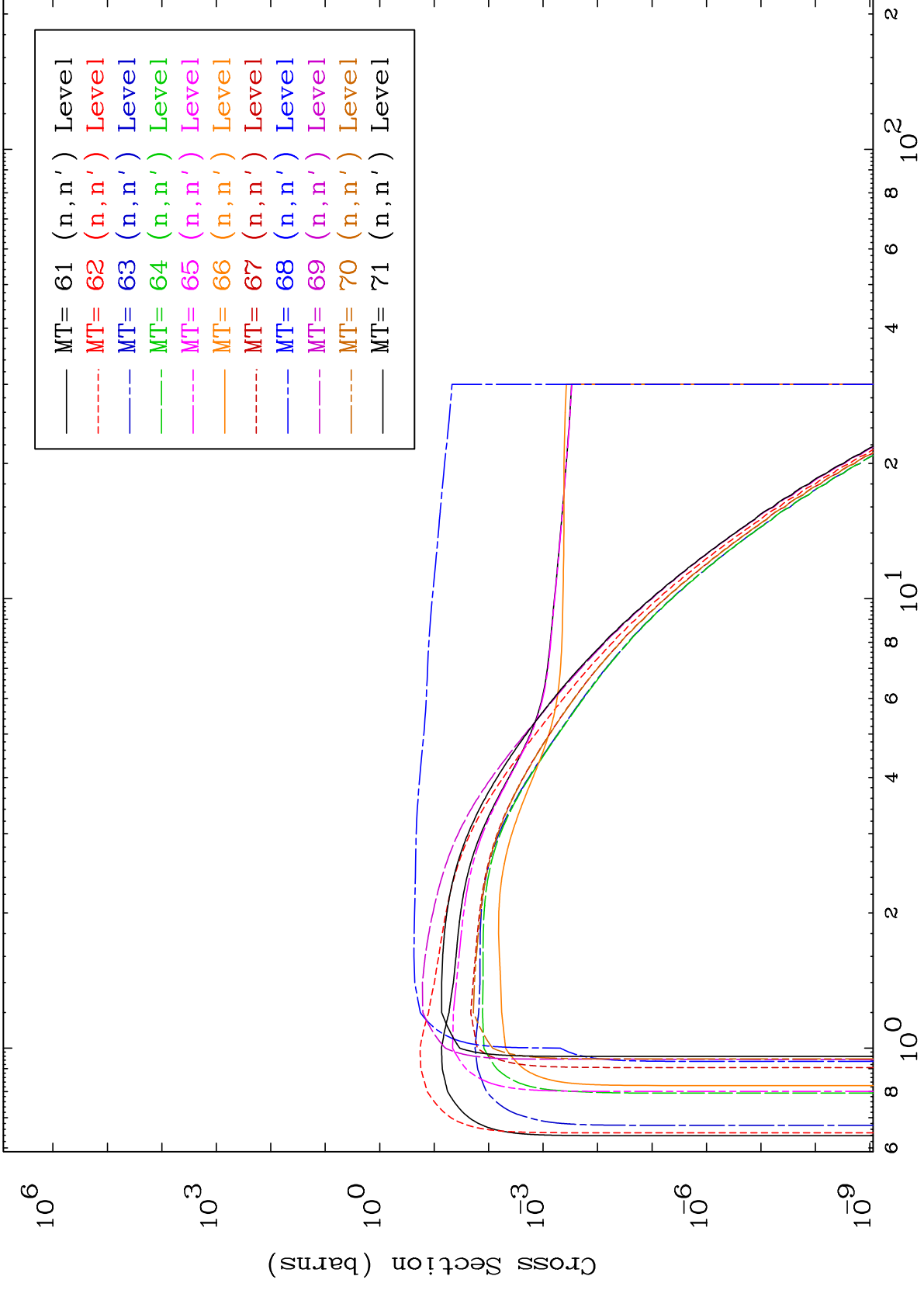


MAT 4128

(n,n') Level

41-Nb-94

293 Kelvin Cross Sections



Incident Energy (MeV)

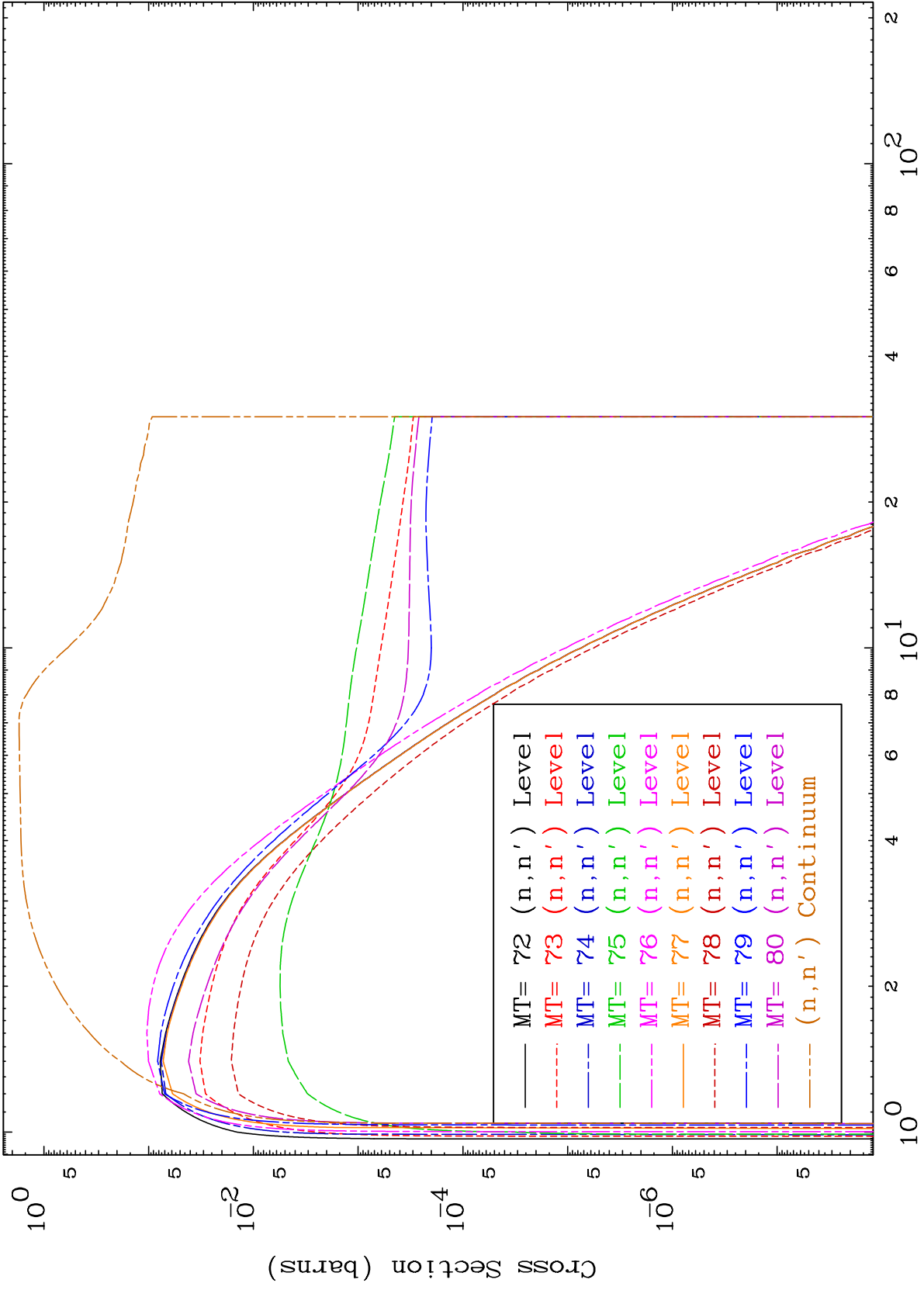
41-Nb-94

8

MAT 4128

(n,n') Level
293 Kelvin Cross Sections

41-Nb-94



Incident Energy (MeV)

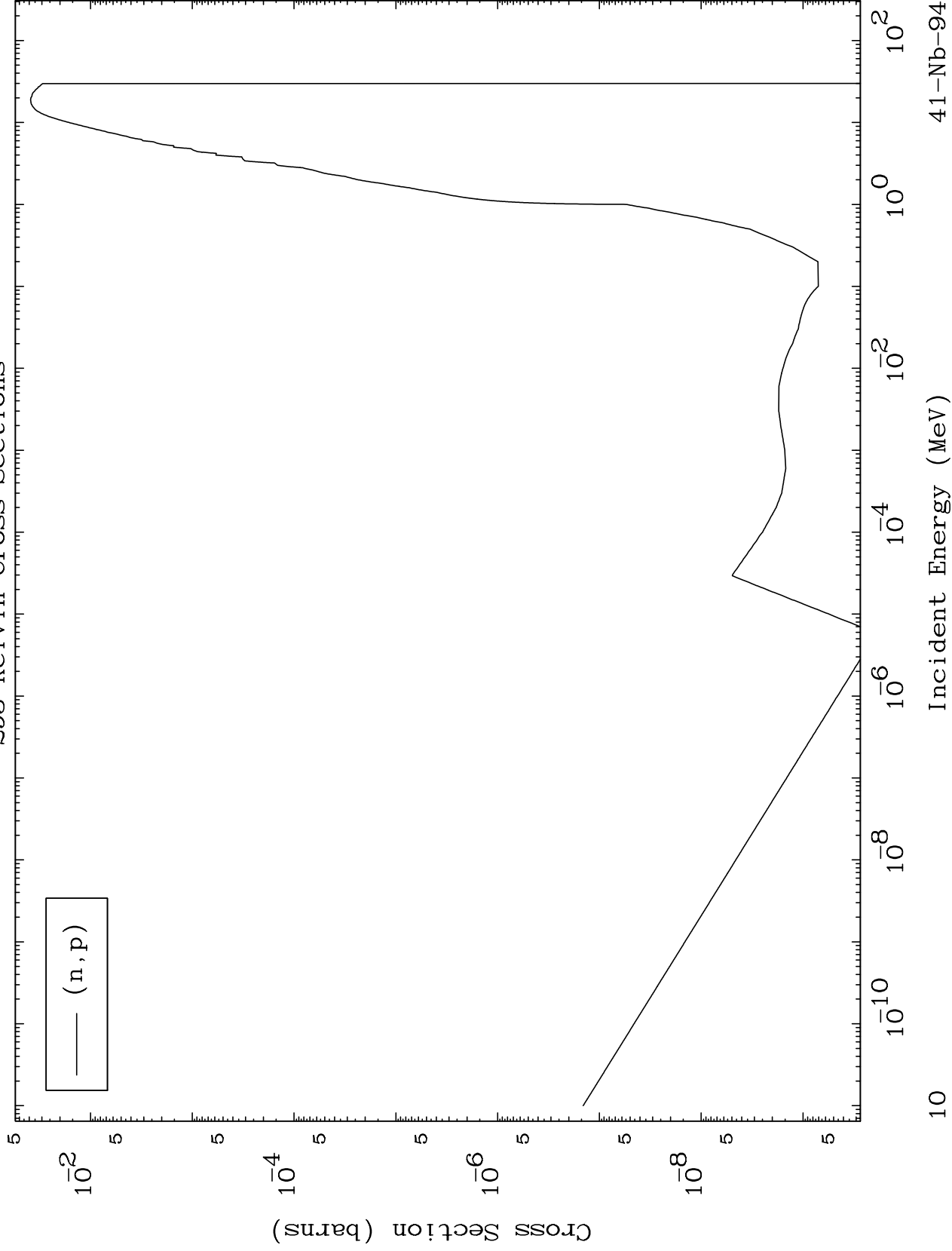
41-Nb-94

9

MAT 4128

(n,p) Levels
293 Kelvin Cross Sections

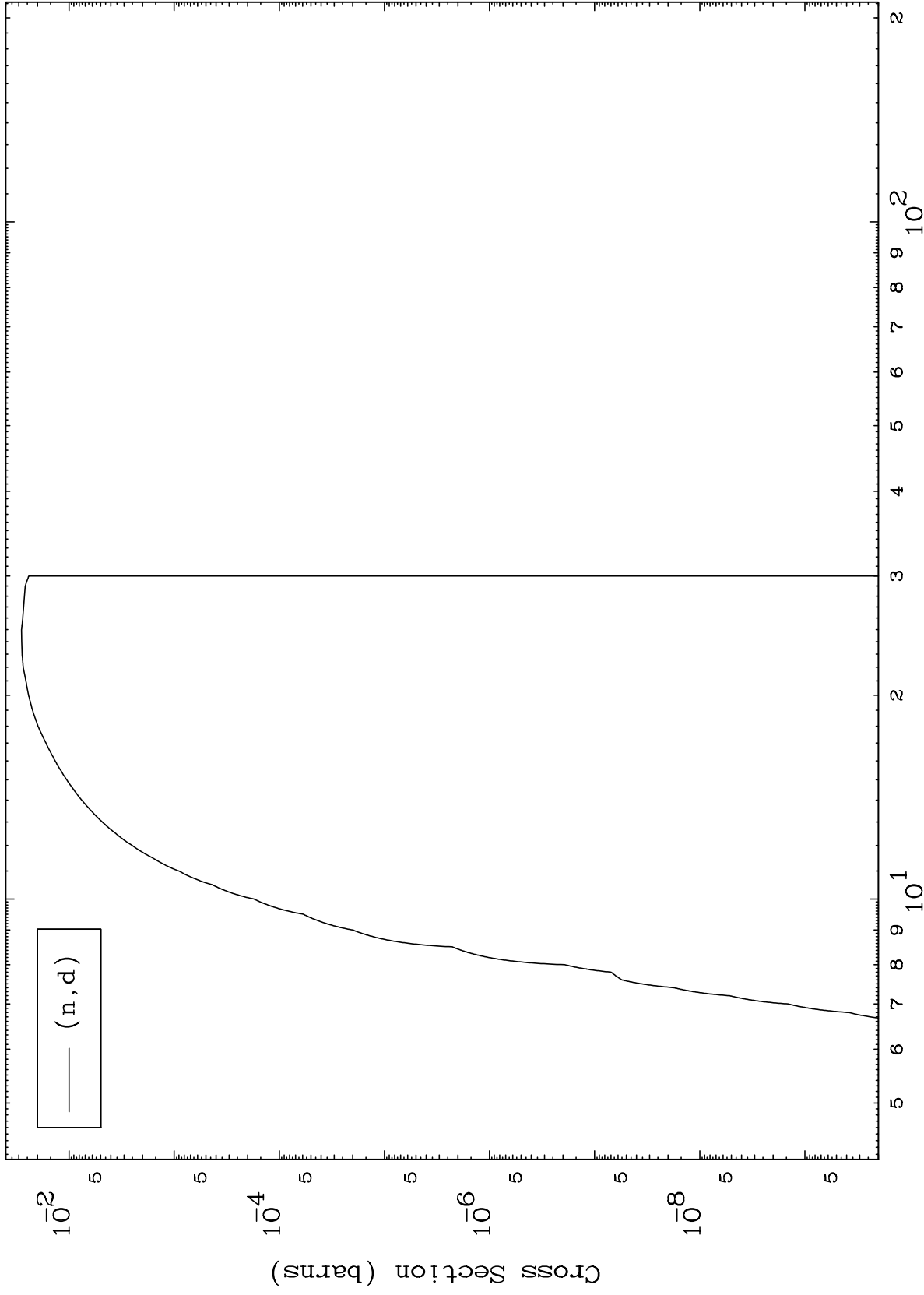
41-Nb-94



MAT 4128

(n,d) Levels
293 Kelvin Cross Sections

41-Nb-94



11

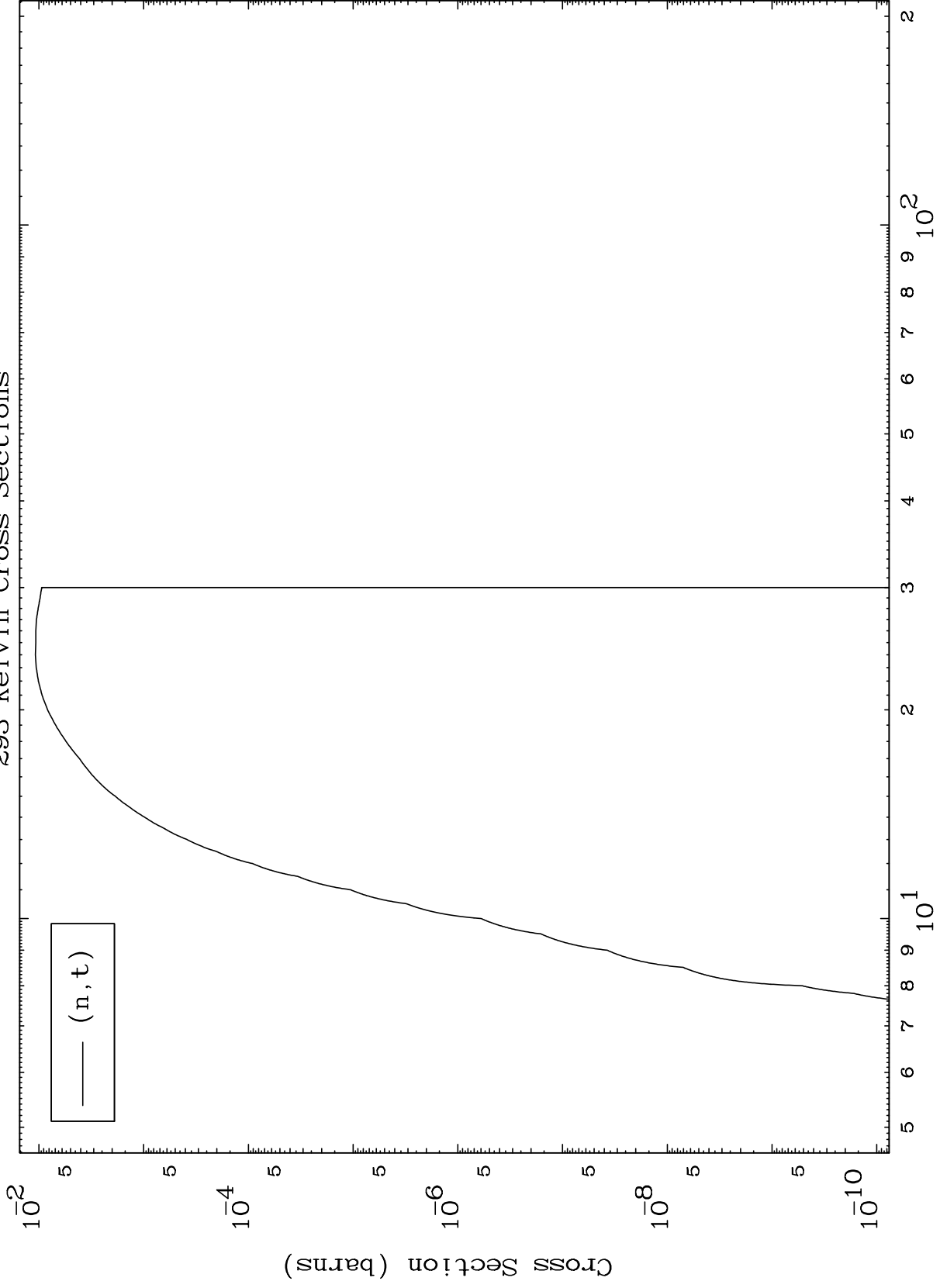
Incident Energy (MeV)

41-Nb-94

MAT 4128

(n,t) Levels
293 Kelvin Cross Sections

41-Nb-94



12

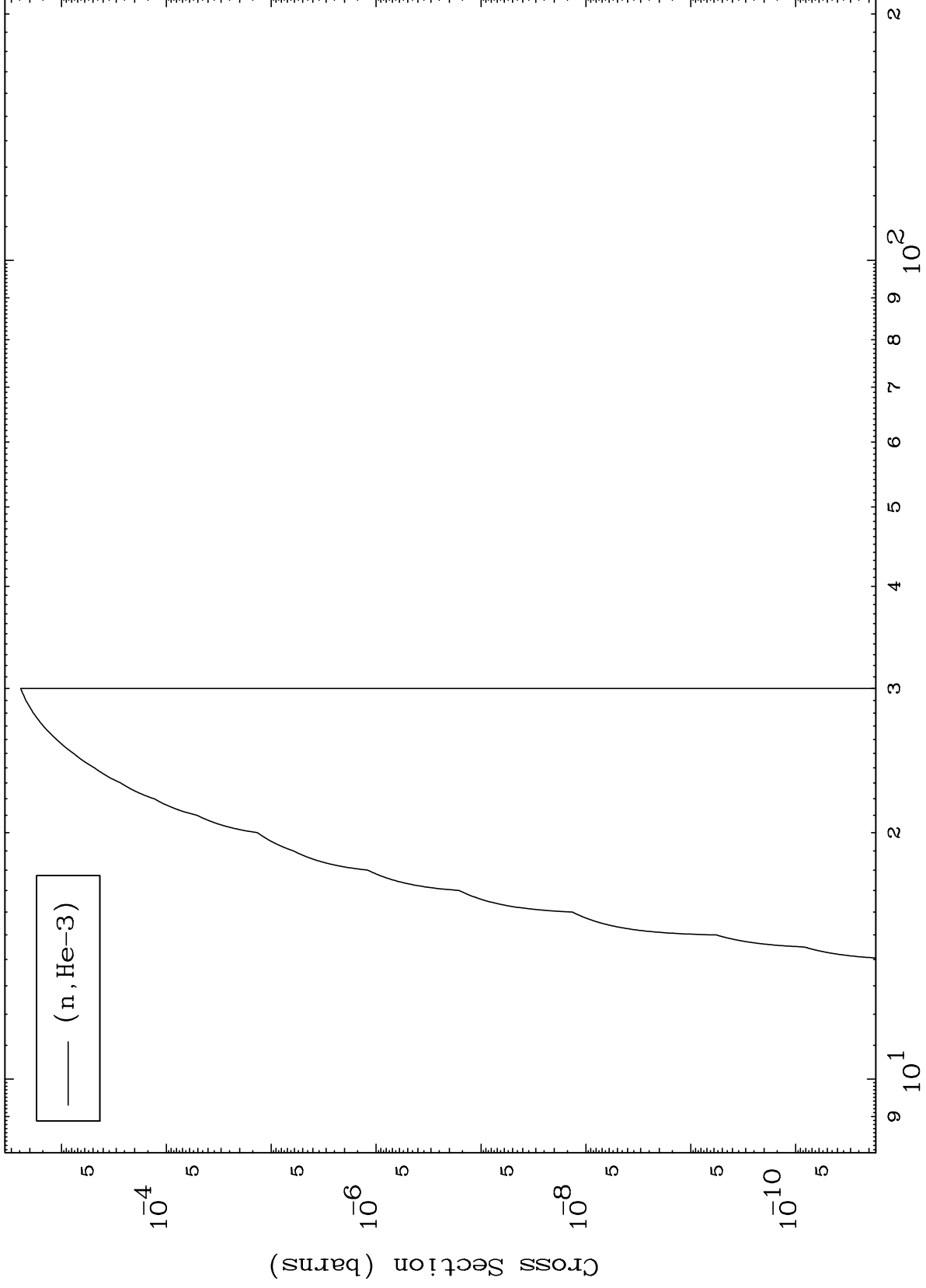
Incident Energy (MeV)

41-Nb-94

MAT 4128

(n,He3) Levels
293 Kelvin Cross Sections

41-Nb-94



13

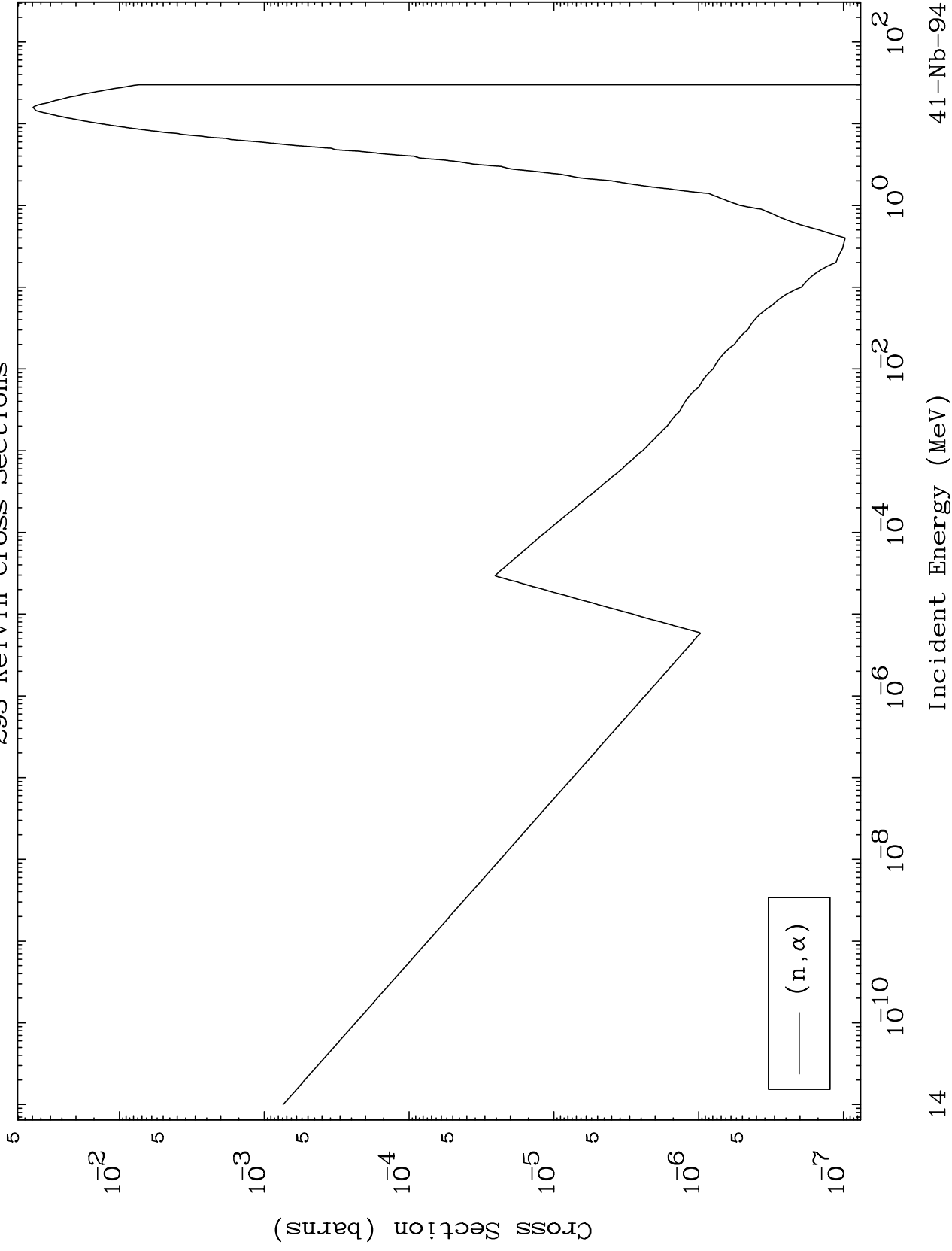
Incident Energy (MeV)

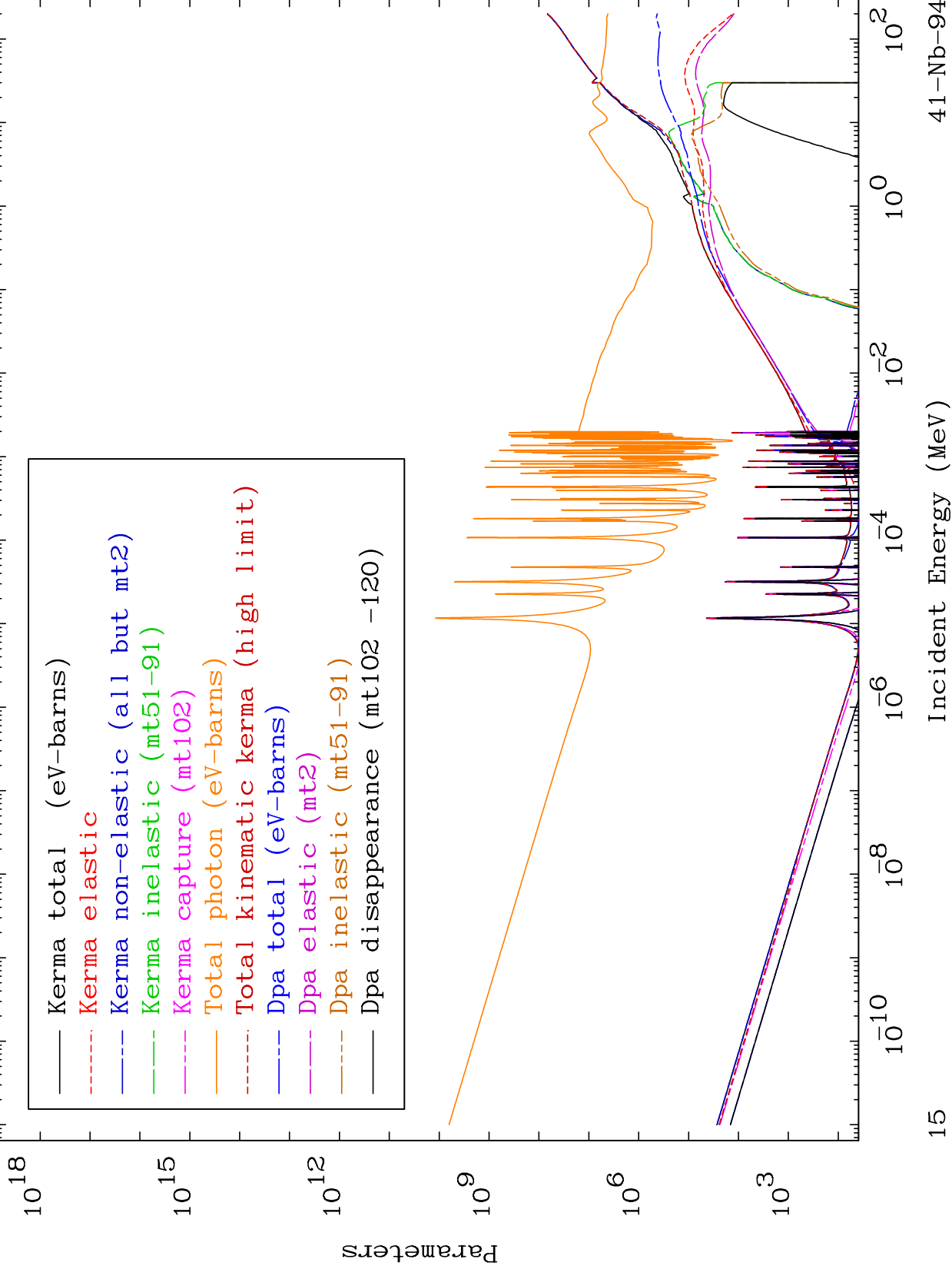
41-Nb-94

MAT 4128

(n, α) Levels
293 Kelvin Cross Sections

41-Nb-94

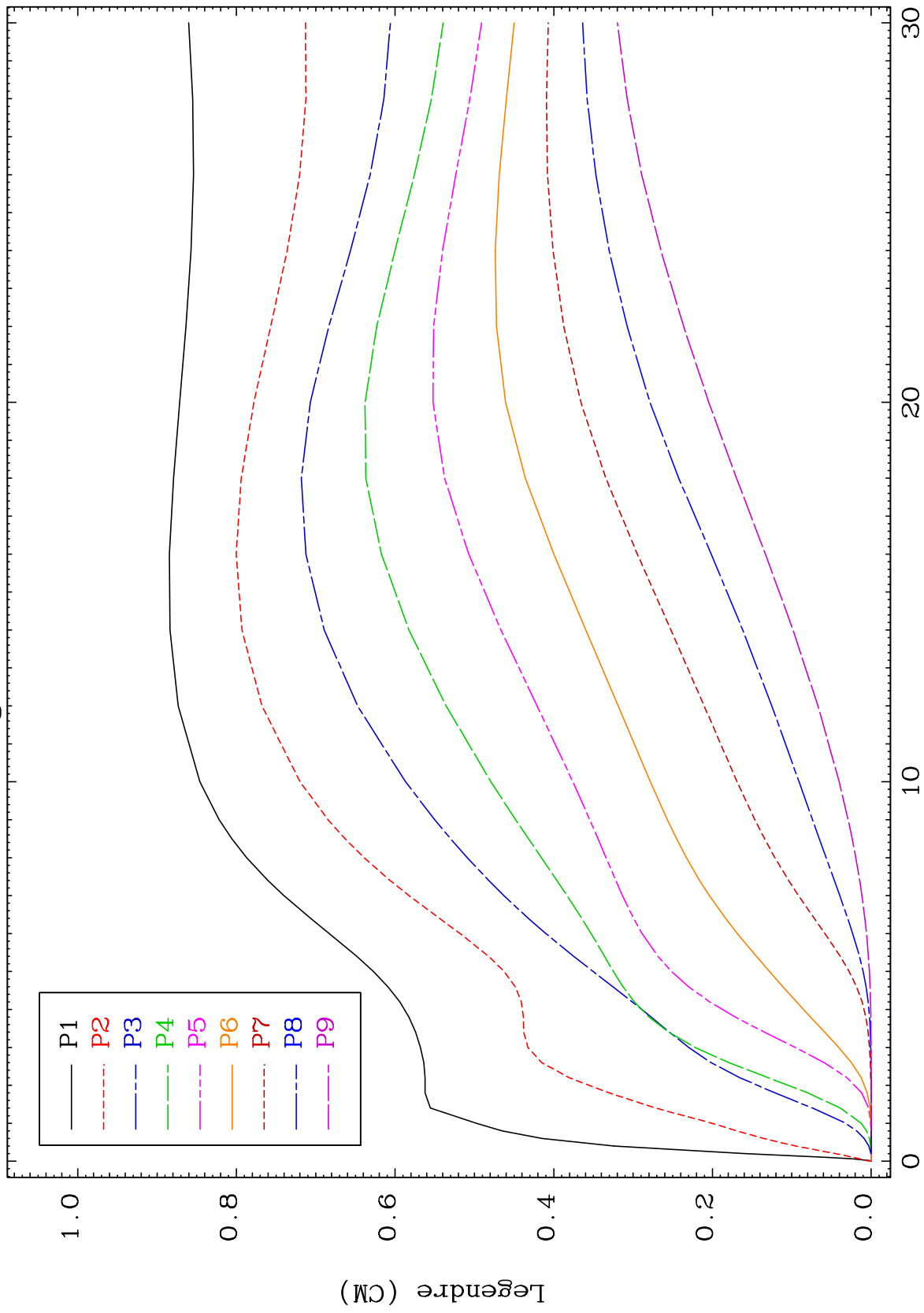




MAT 4128

Elastic Legendre Coefficients

41-Nb-94



16

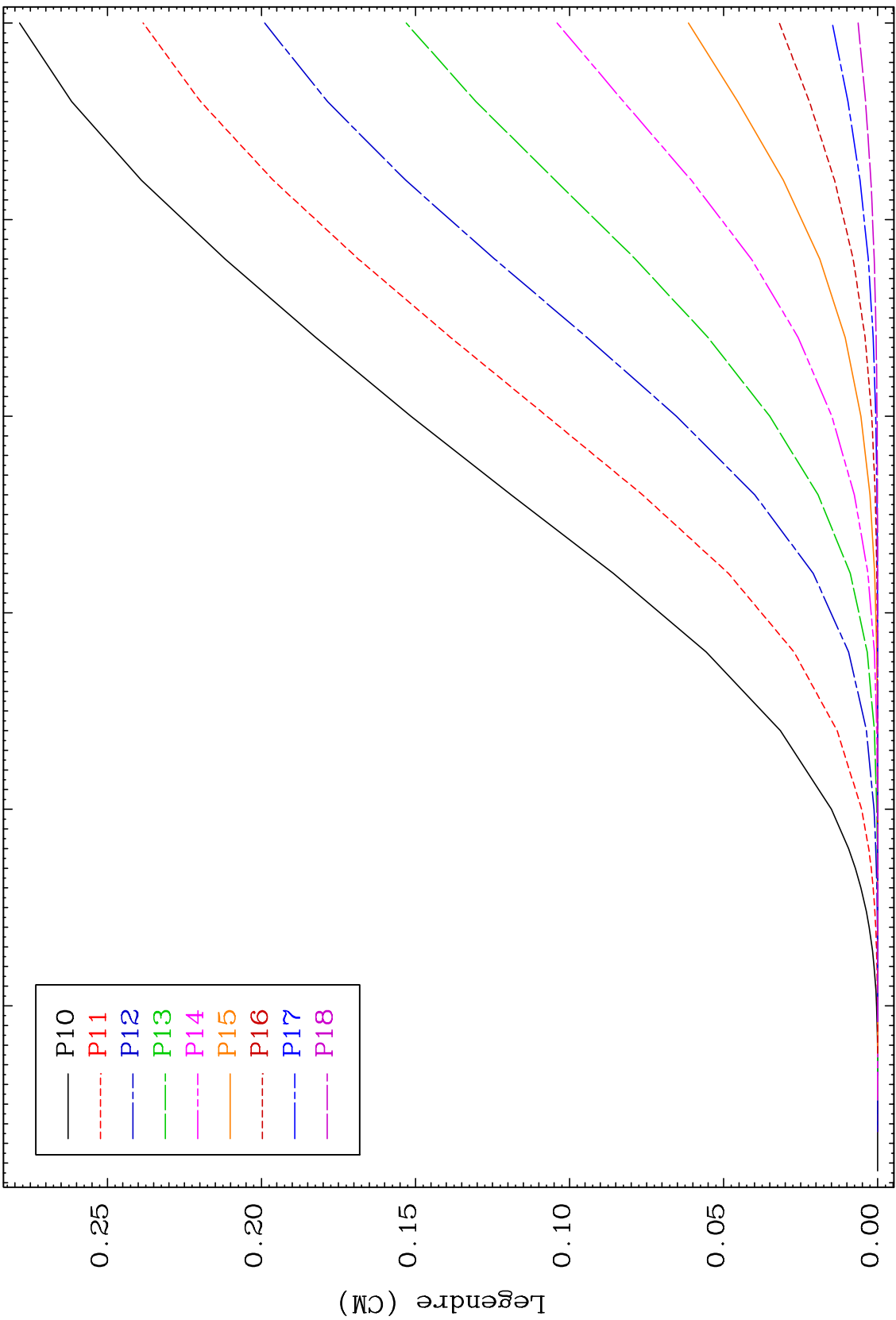
Incident Energy (MeV)

41-Nb-94

MAT 4128

Elastic Legendre Coefficients

41-Nb-94



17

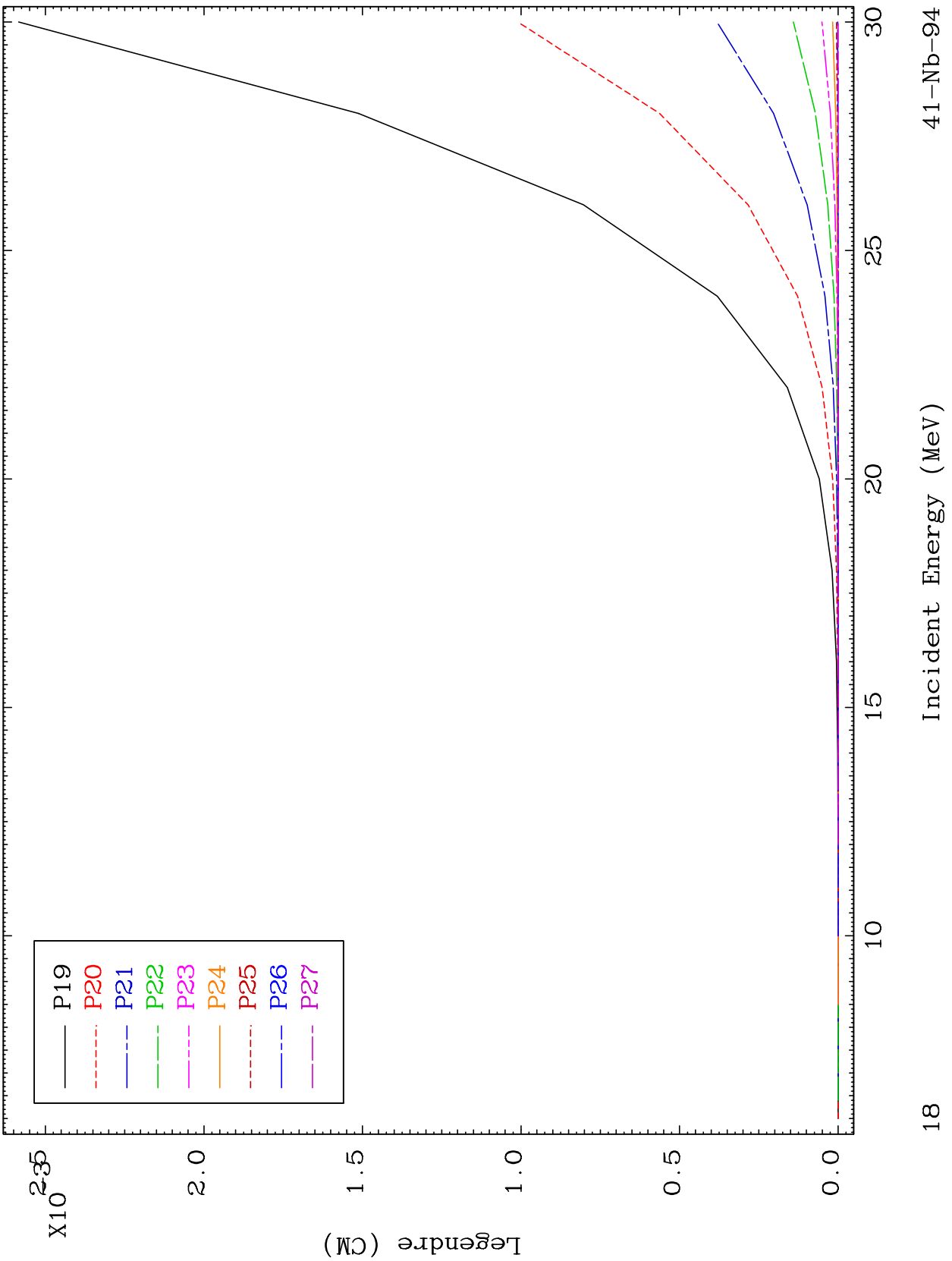
41-Nb-94

Incident Energy (MeV)

MAT 4128

Elastic Legendre Coefficients

41-Nb-94



18

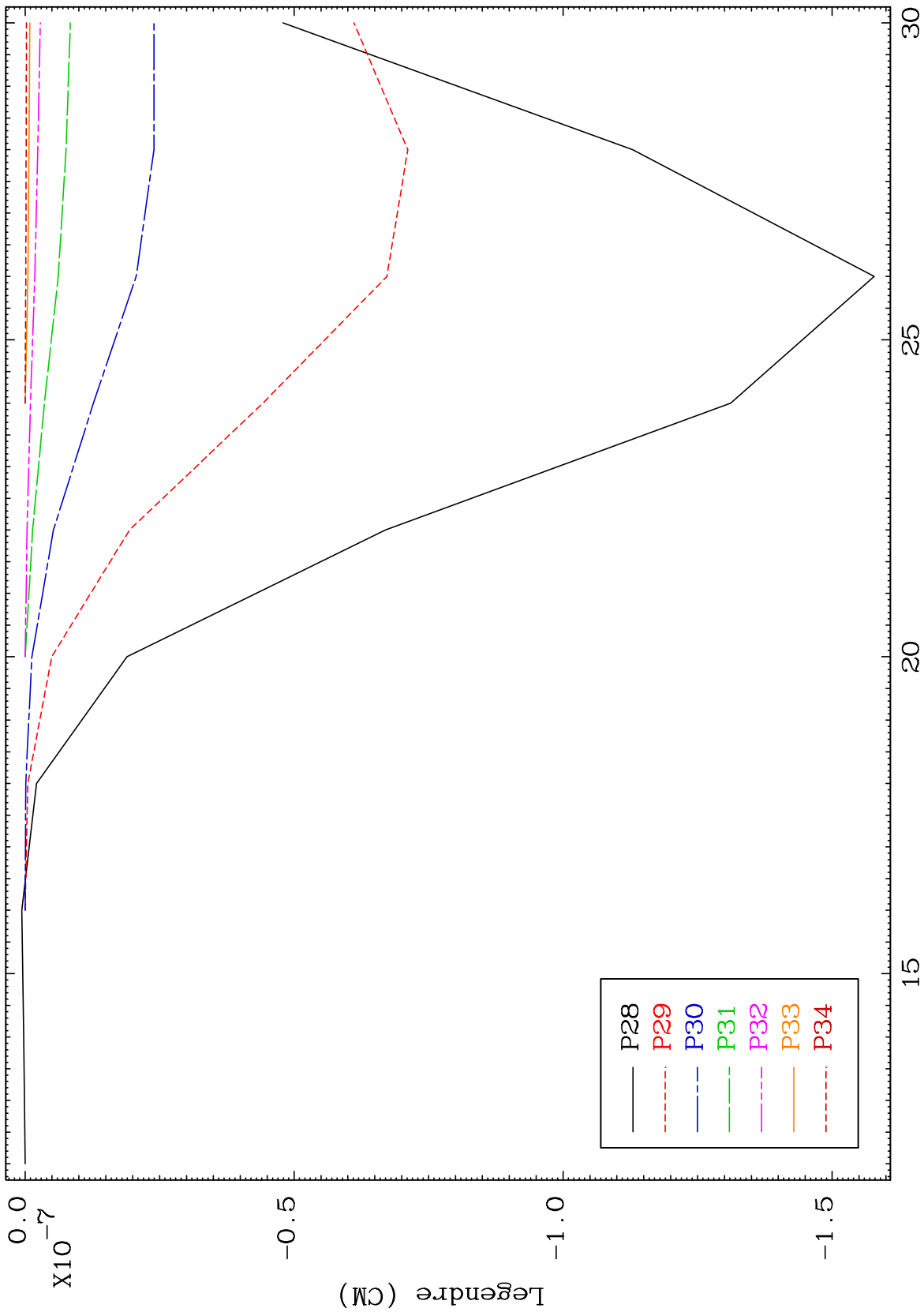
Incident Energy (MeV)

41-Nb-94

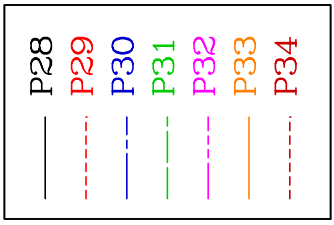
MAT 4128

41-Nb-94

Elastic Legendre Coefficients



Legendre (CM)
X10⁻⁷



19

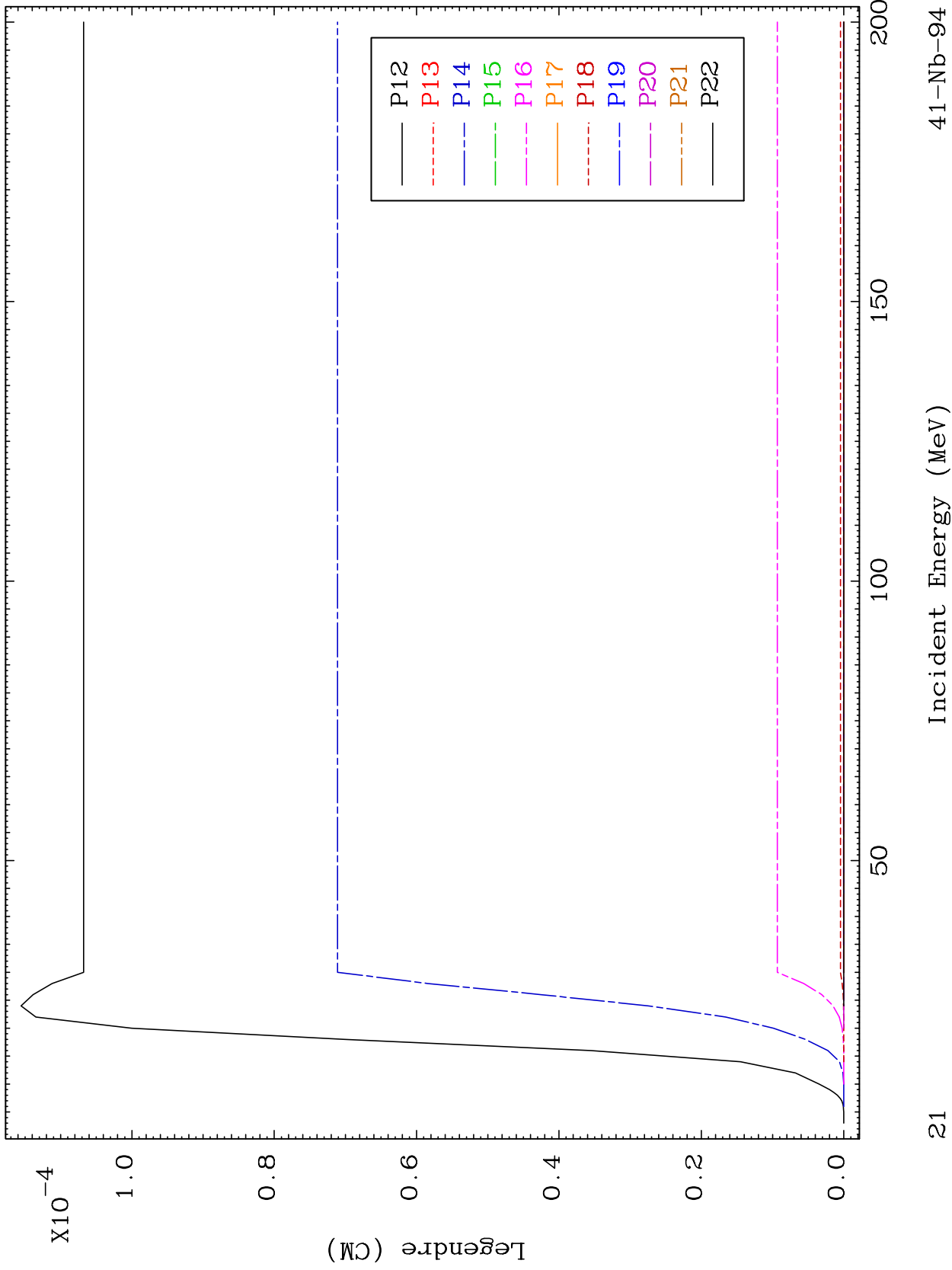
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

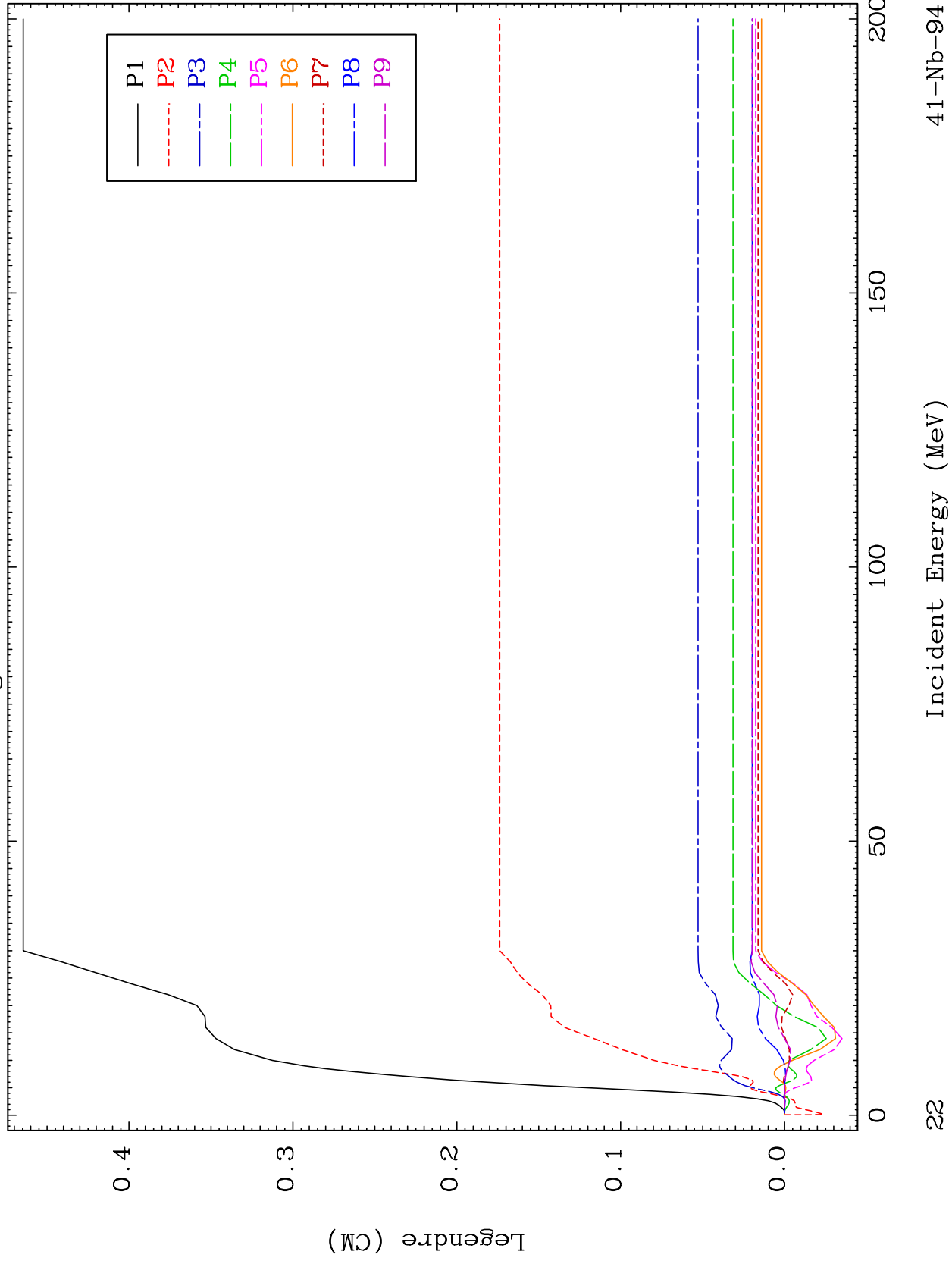
41-Nb-94



MAT 4128

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

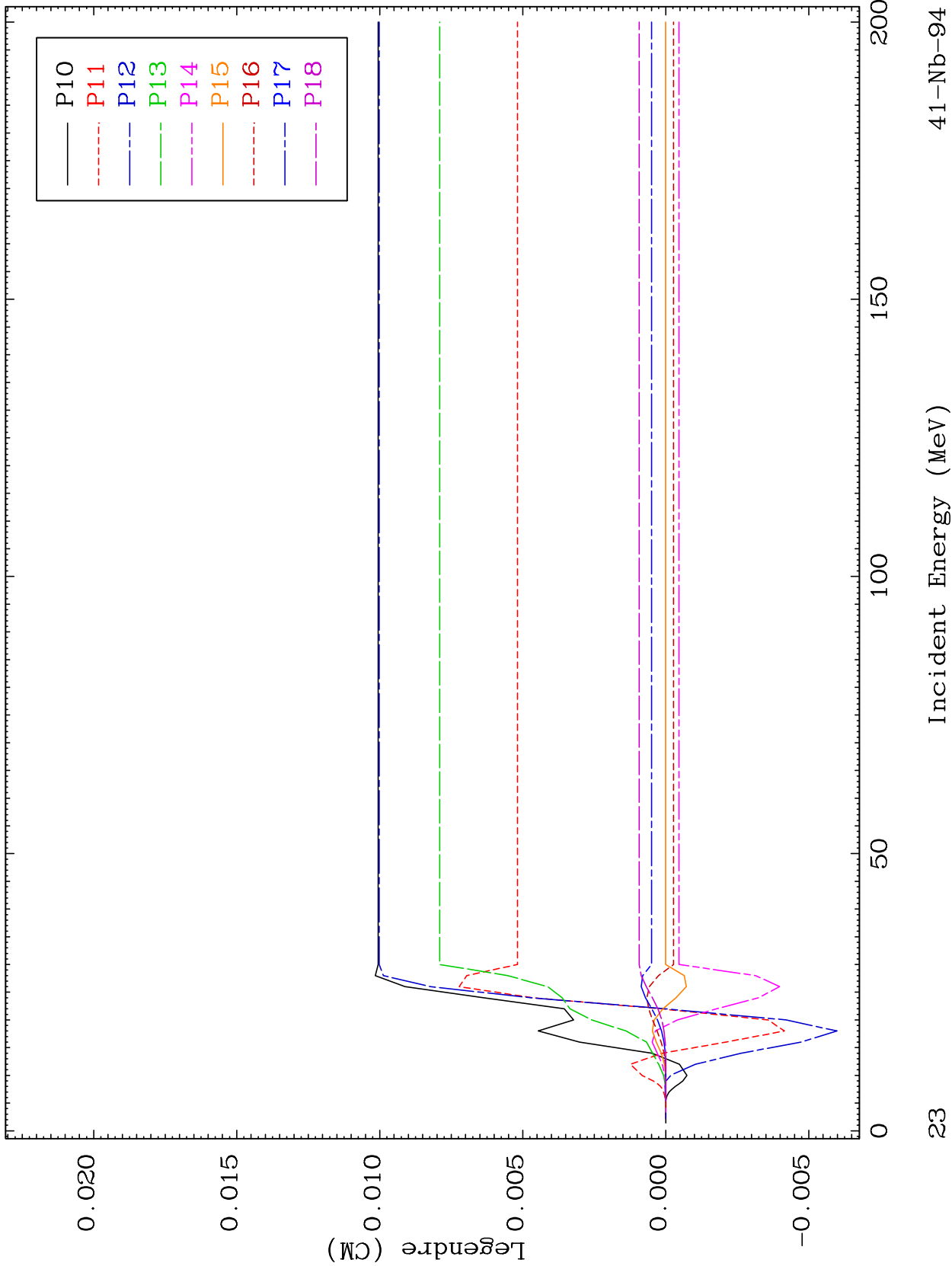
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MAT 4128

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

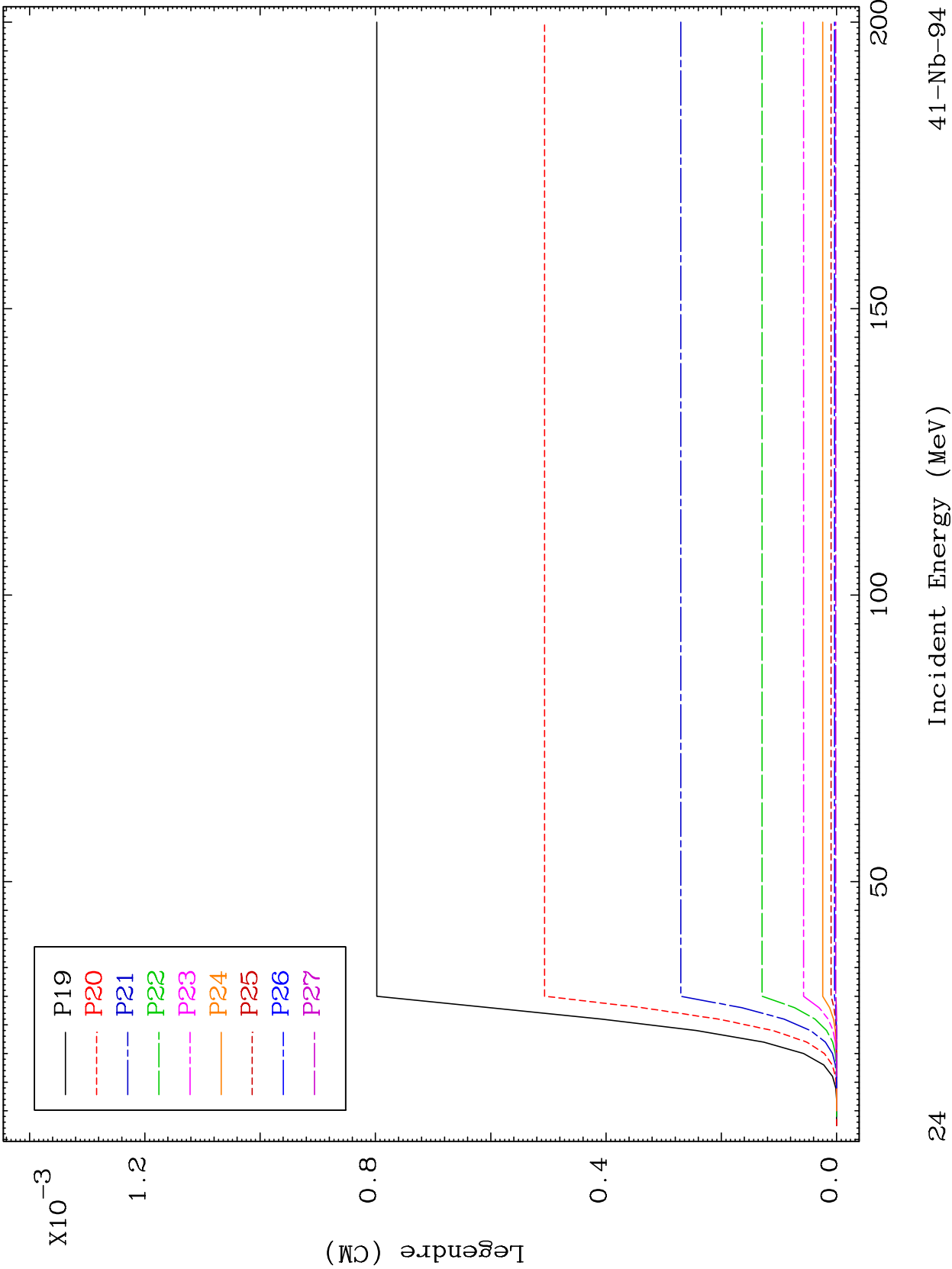
41-Nb-94



23

Incident Energy (MeV)

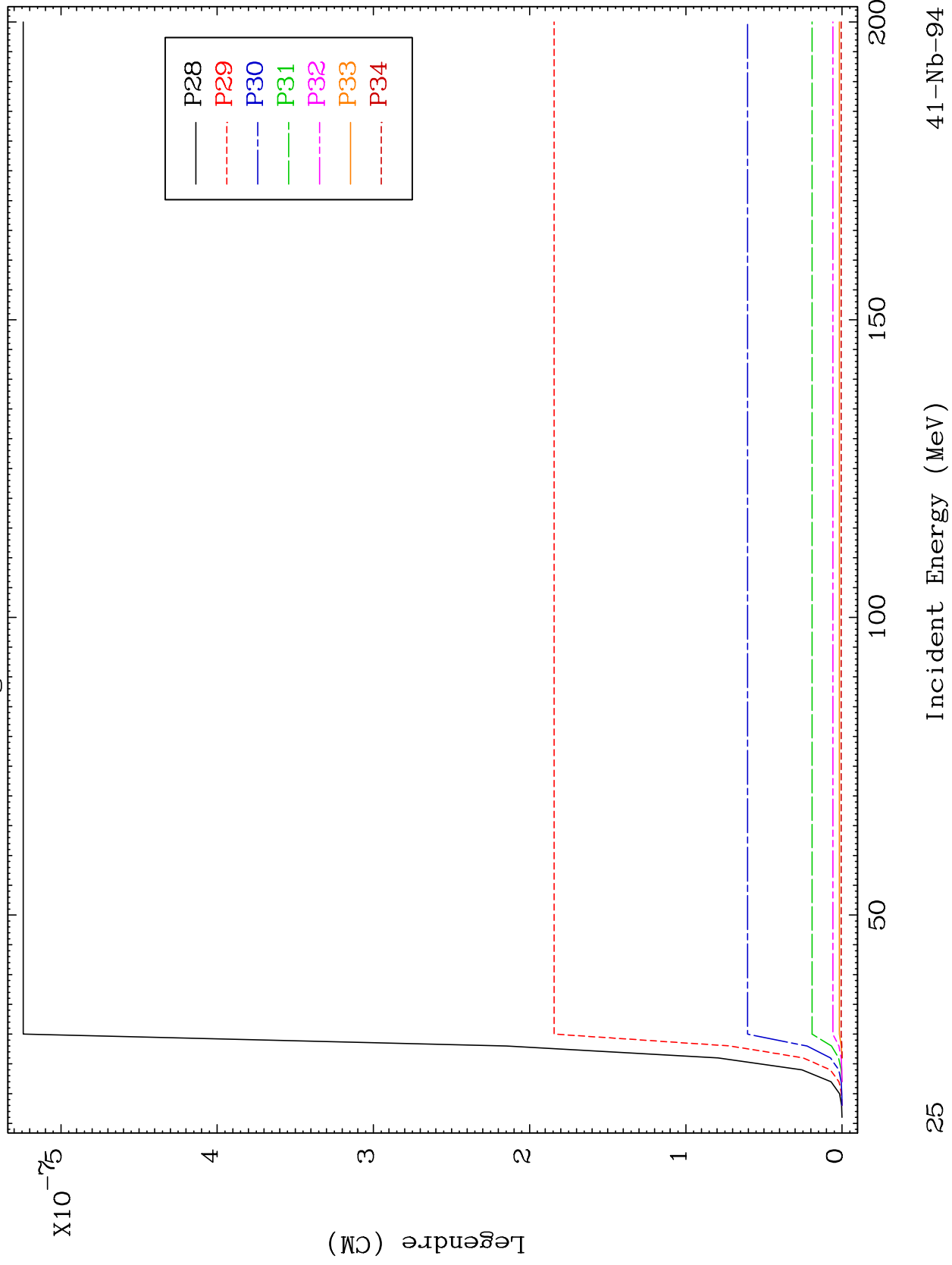
41-Nb-94

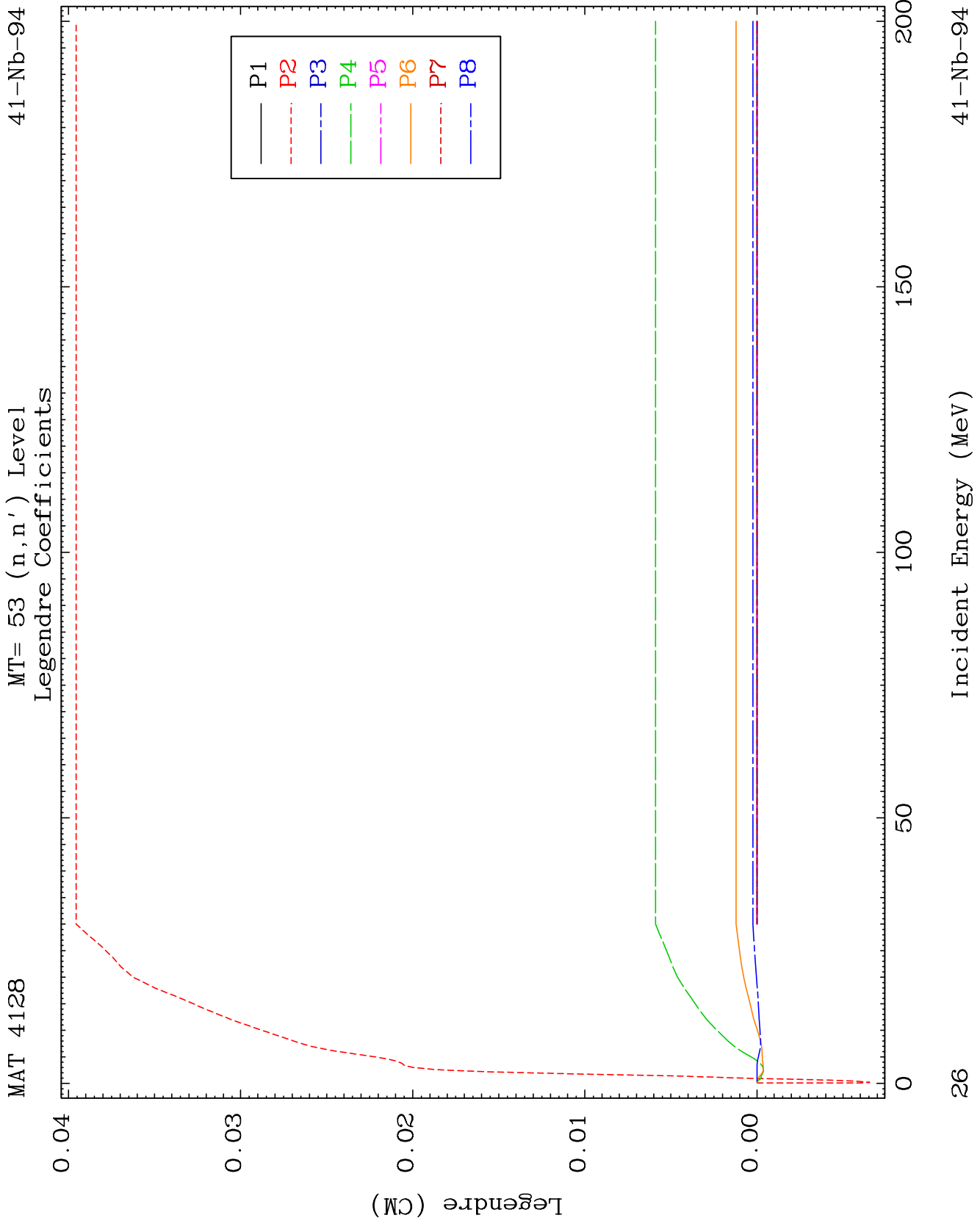


MAT 4128

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

41-Nb-94

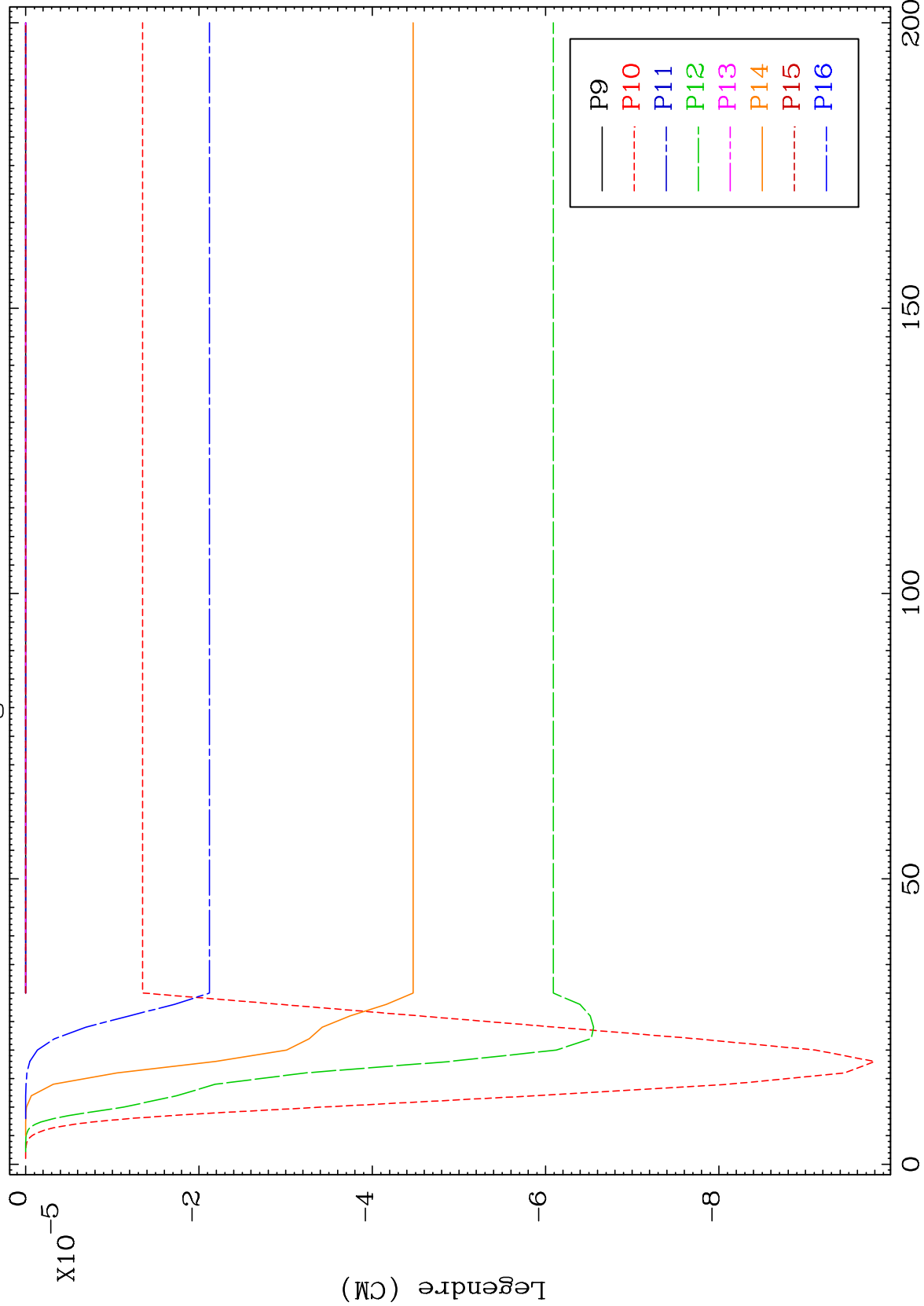




MAT 4128

41-Nb-94

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



27

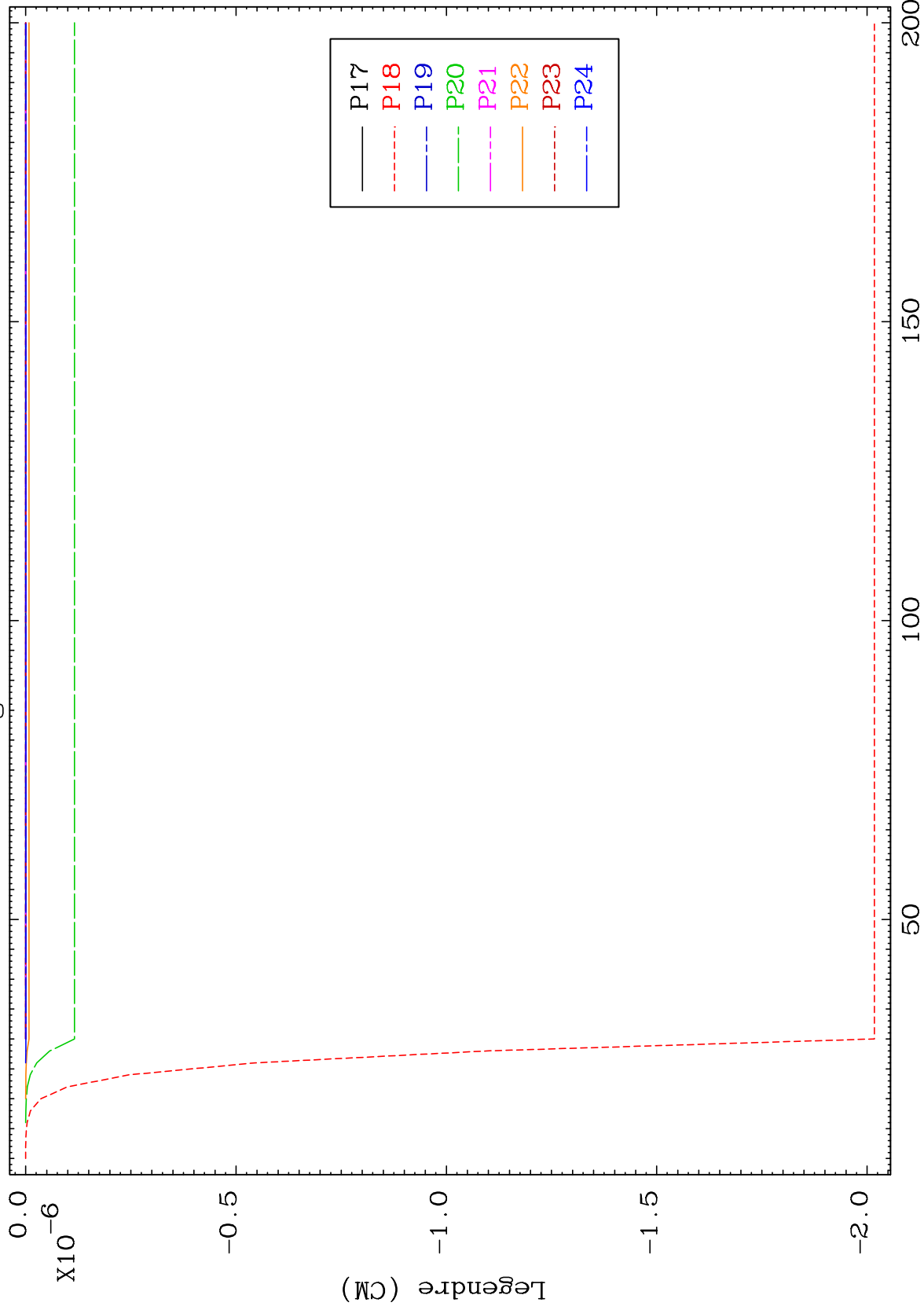
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

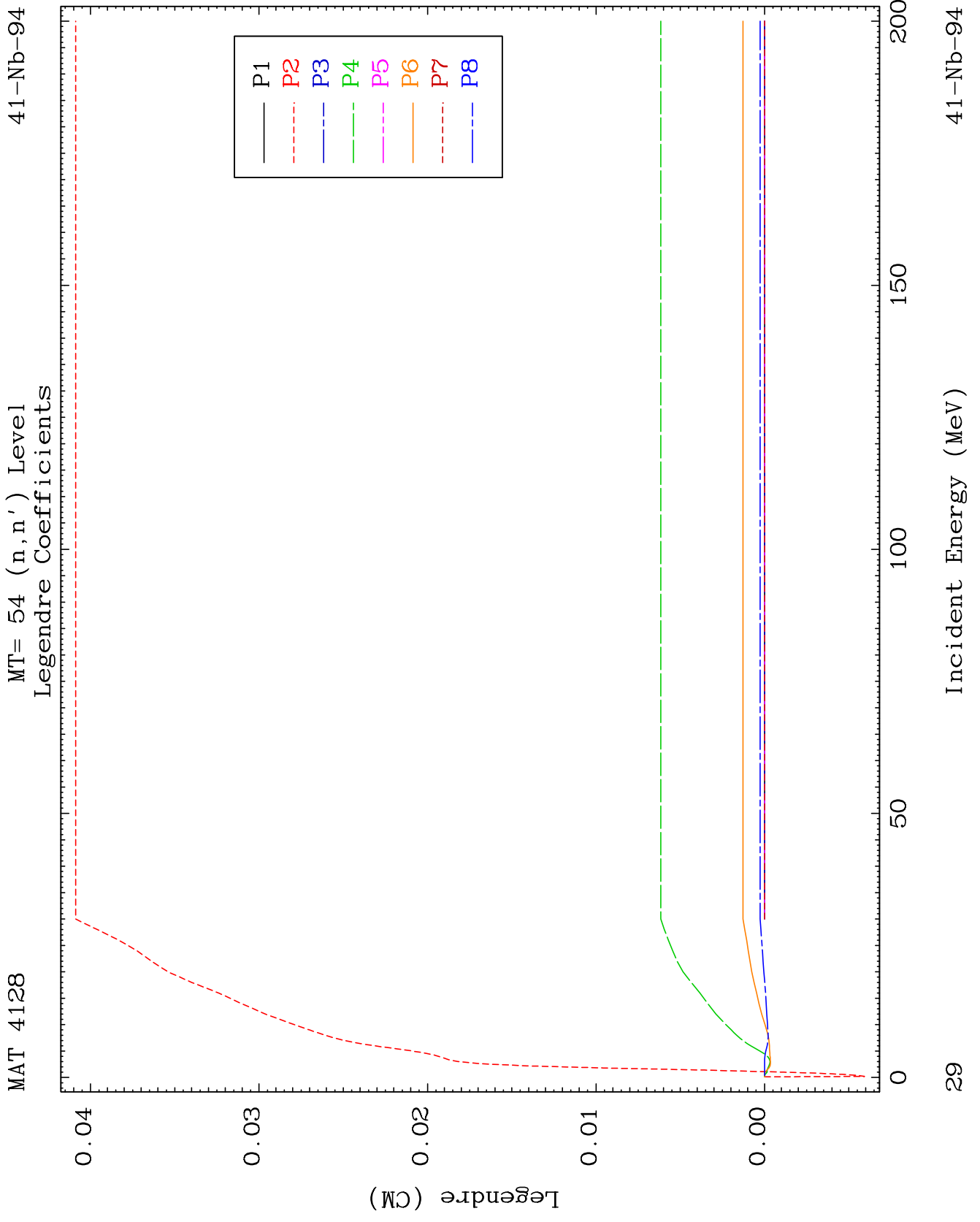
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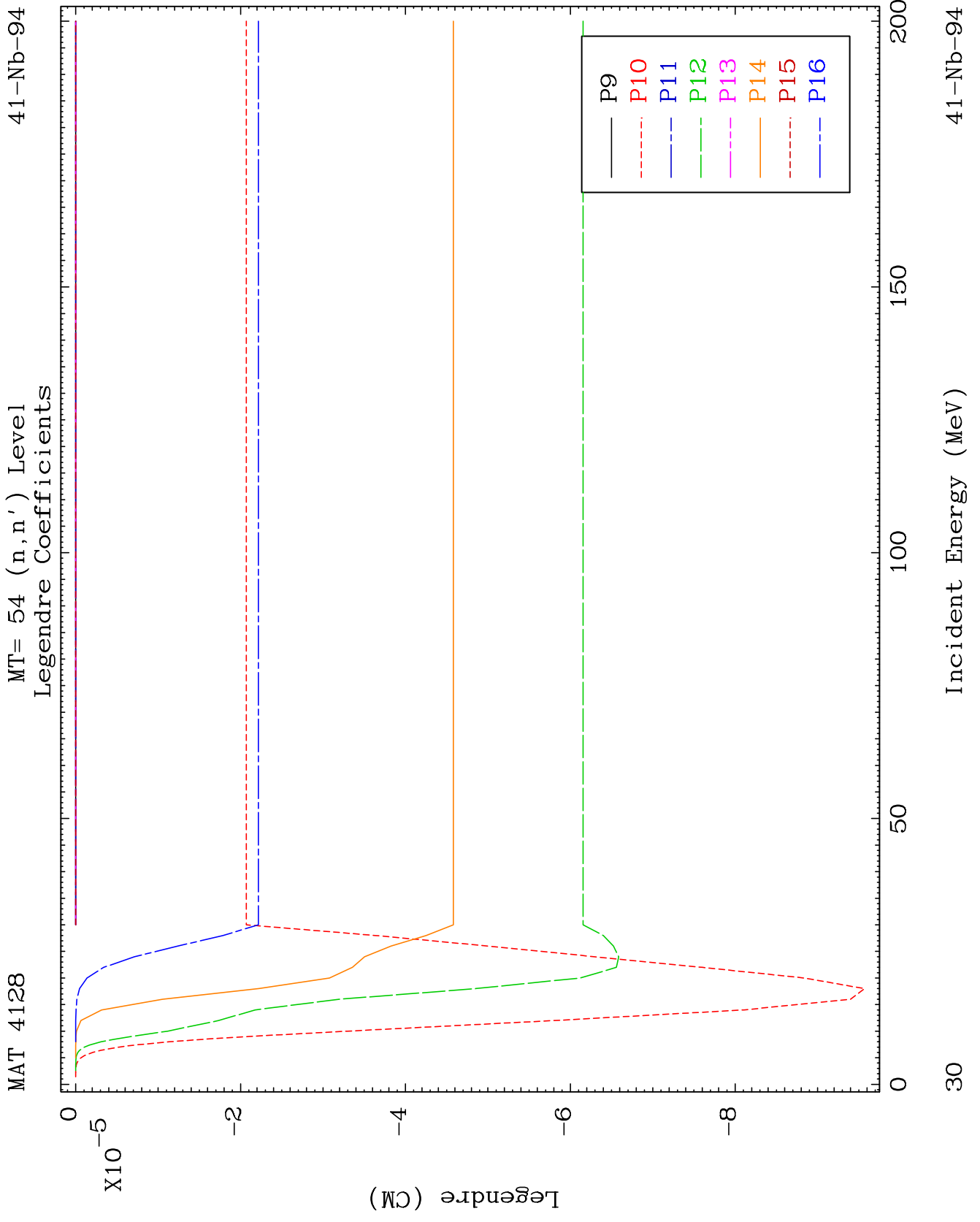


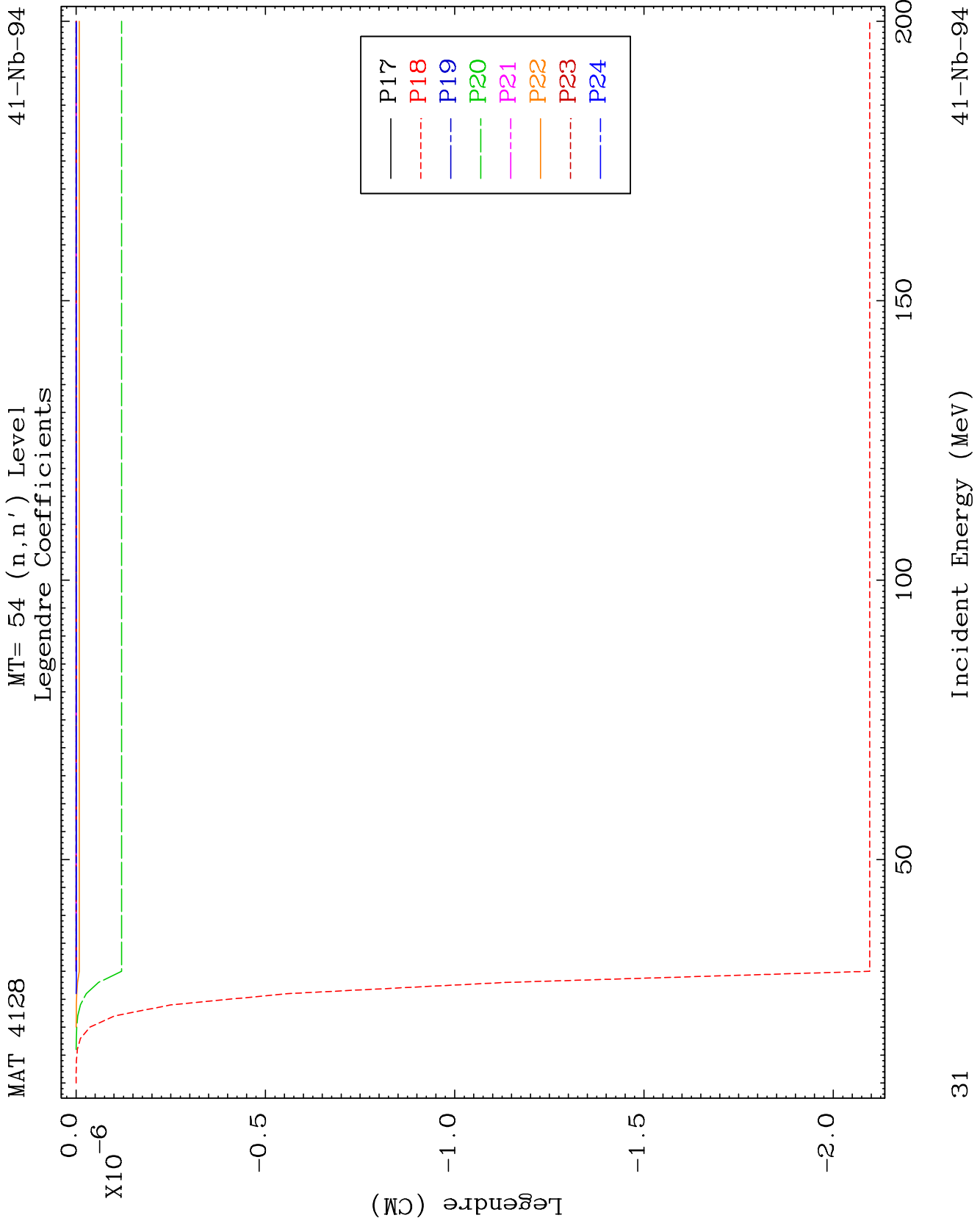
28

Incident Energy (MeV)

41-Nb-94



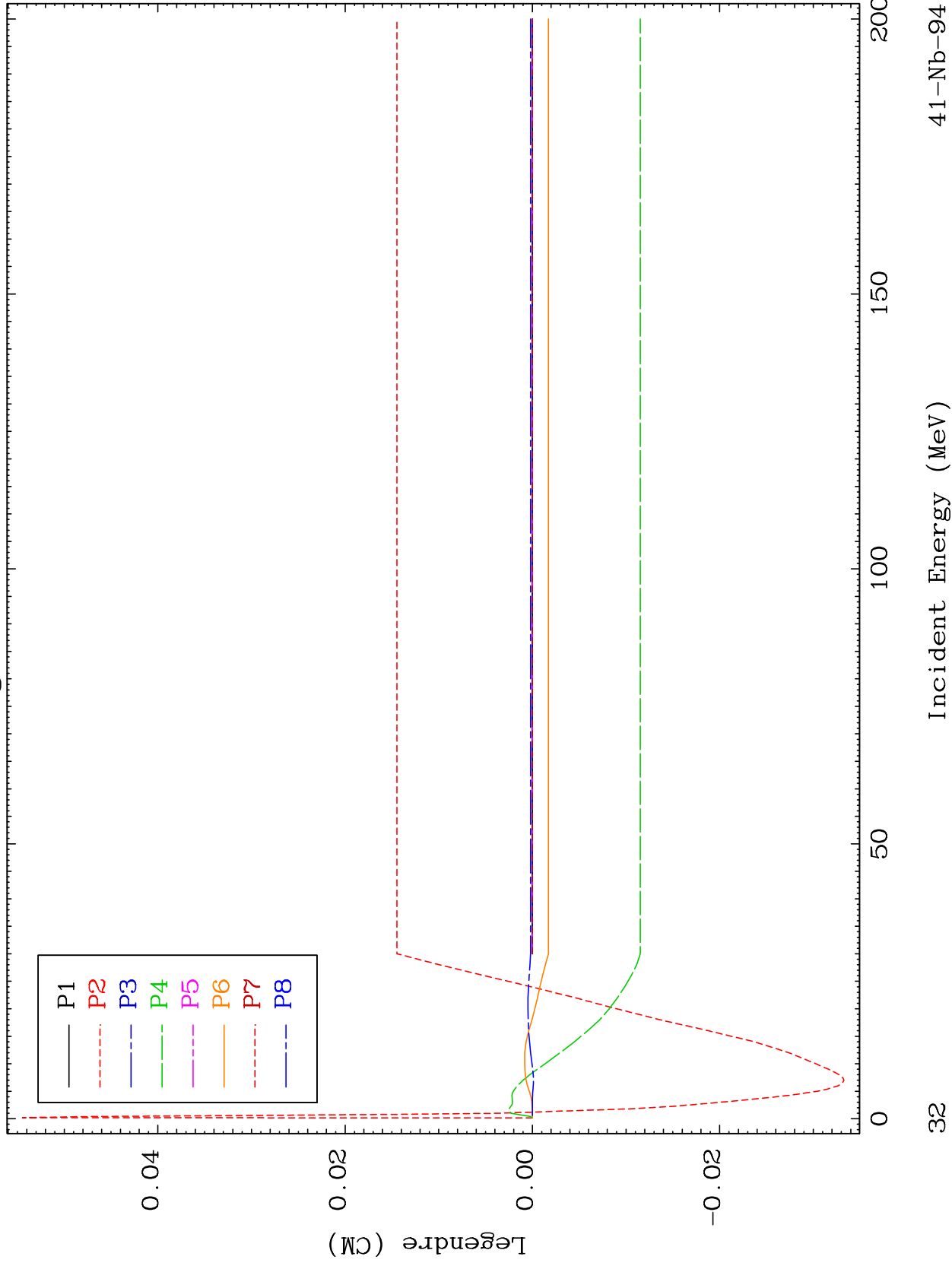




MAT 4128

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

41-Nb-94



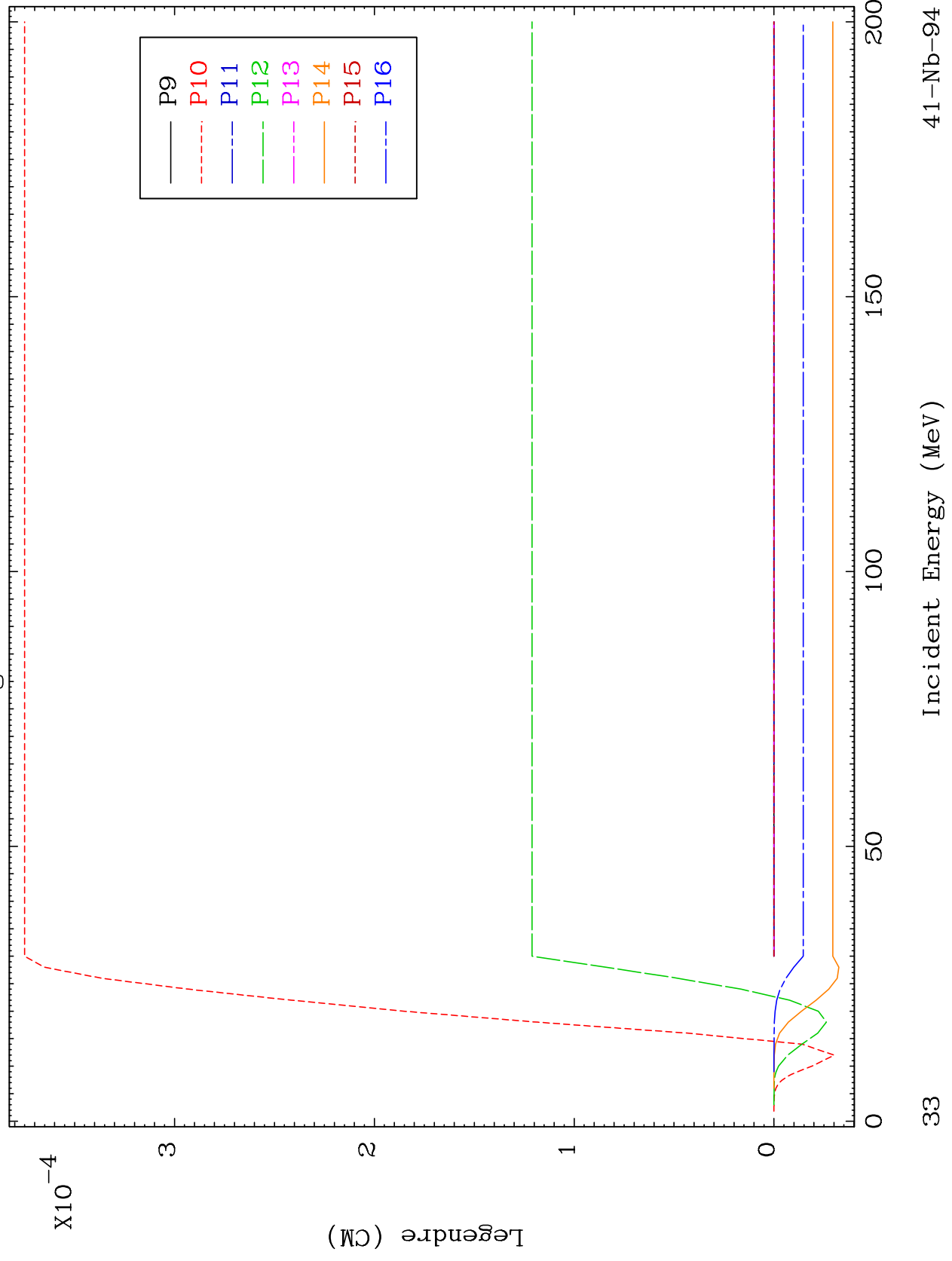
32

41-Nb-94

MAT 4128

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

41-Nb-94

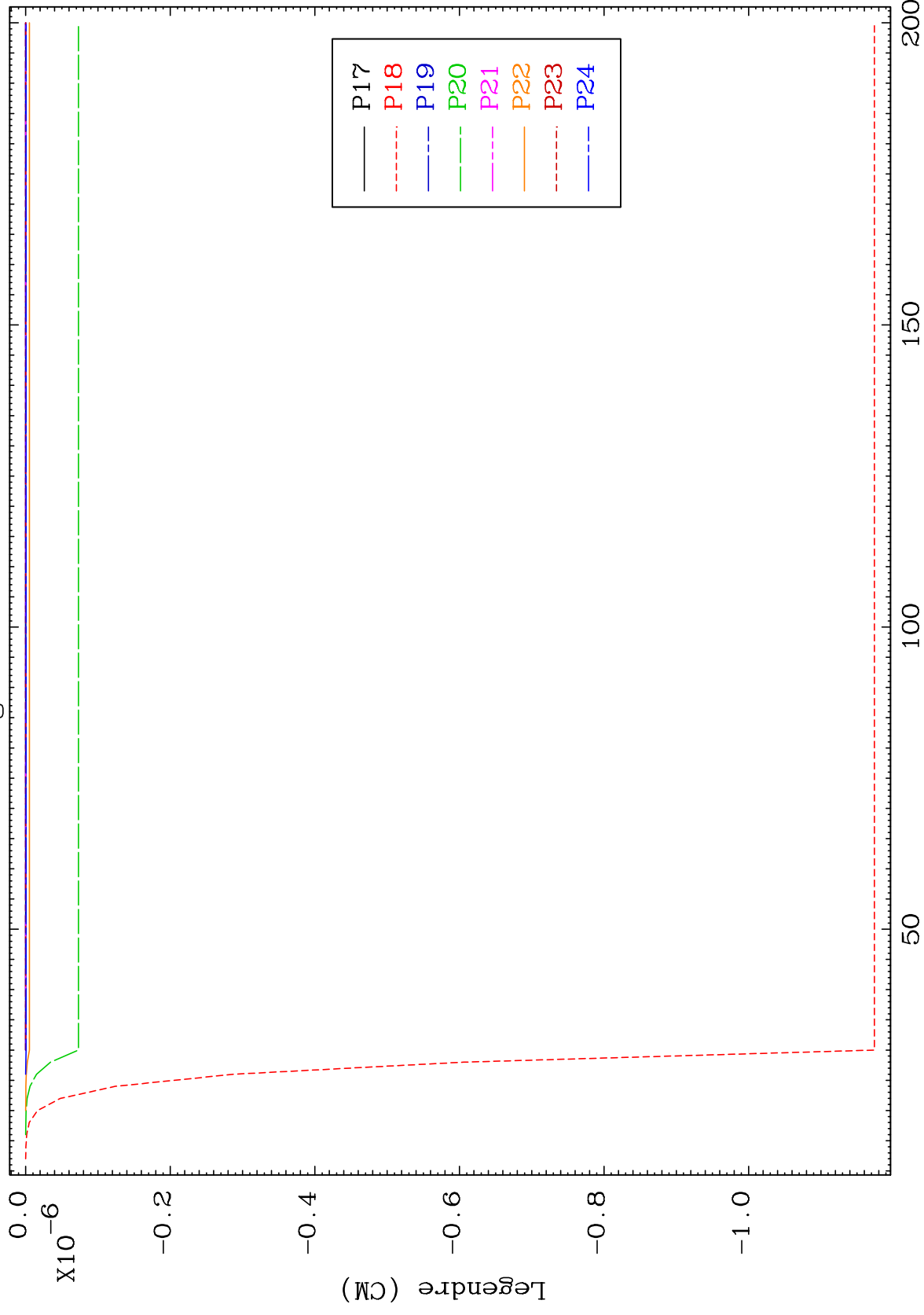


33

MAT 4128

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

41-Nb-94



34

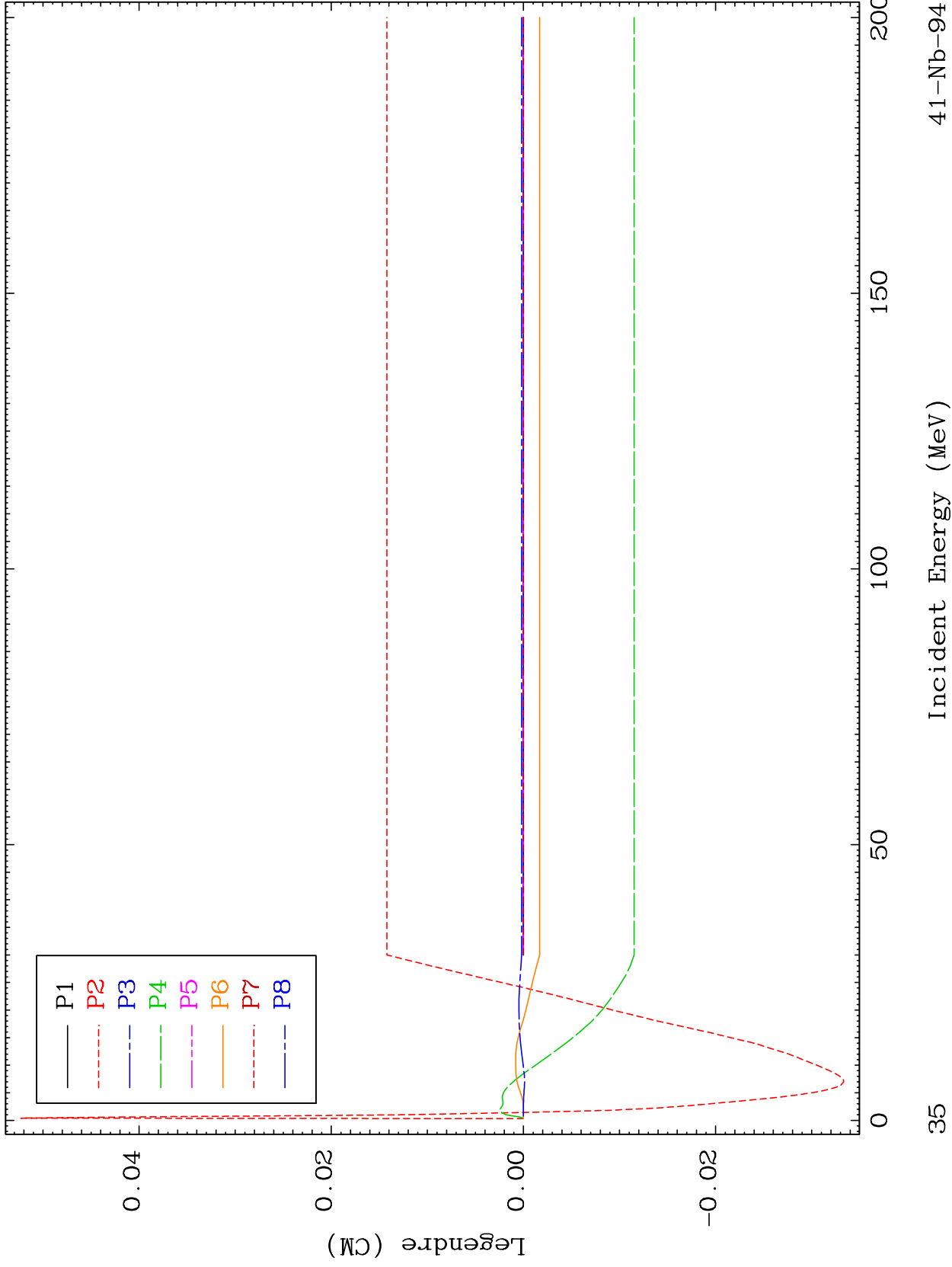
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94



41-Nb-94

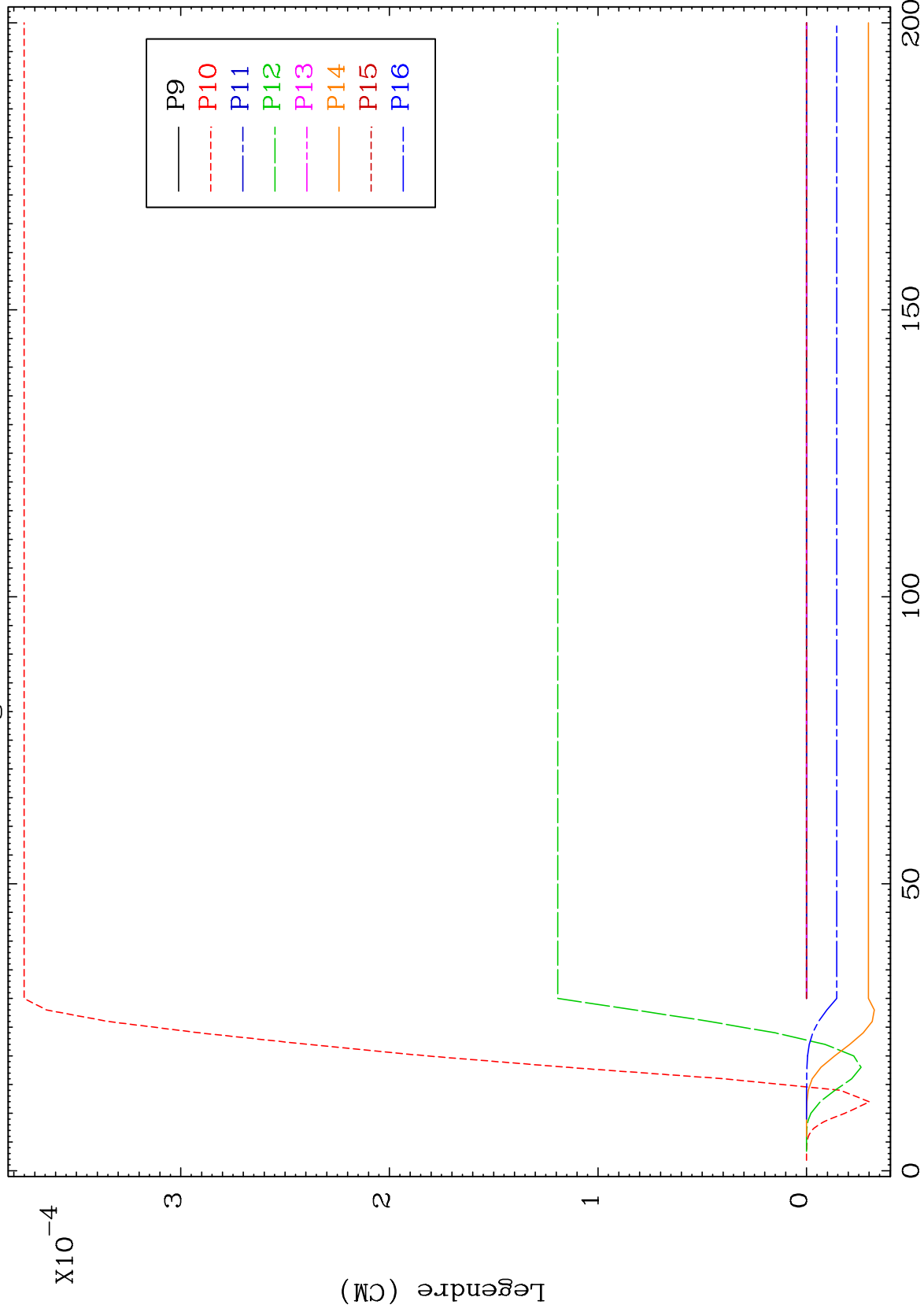
Incident Energy (MeV)

35

MAT 4128

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

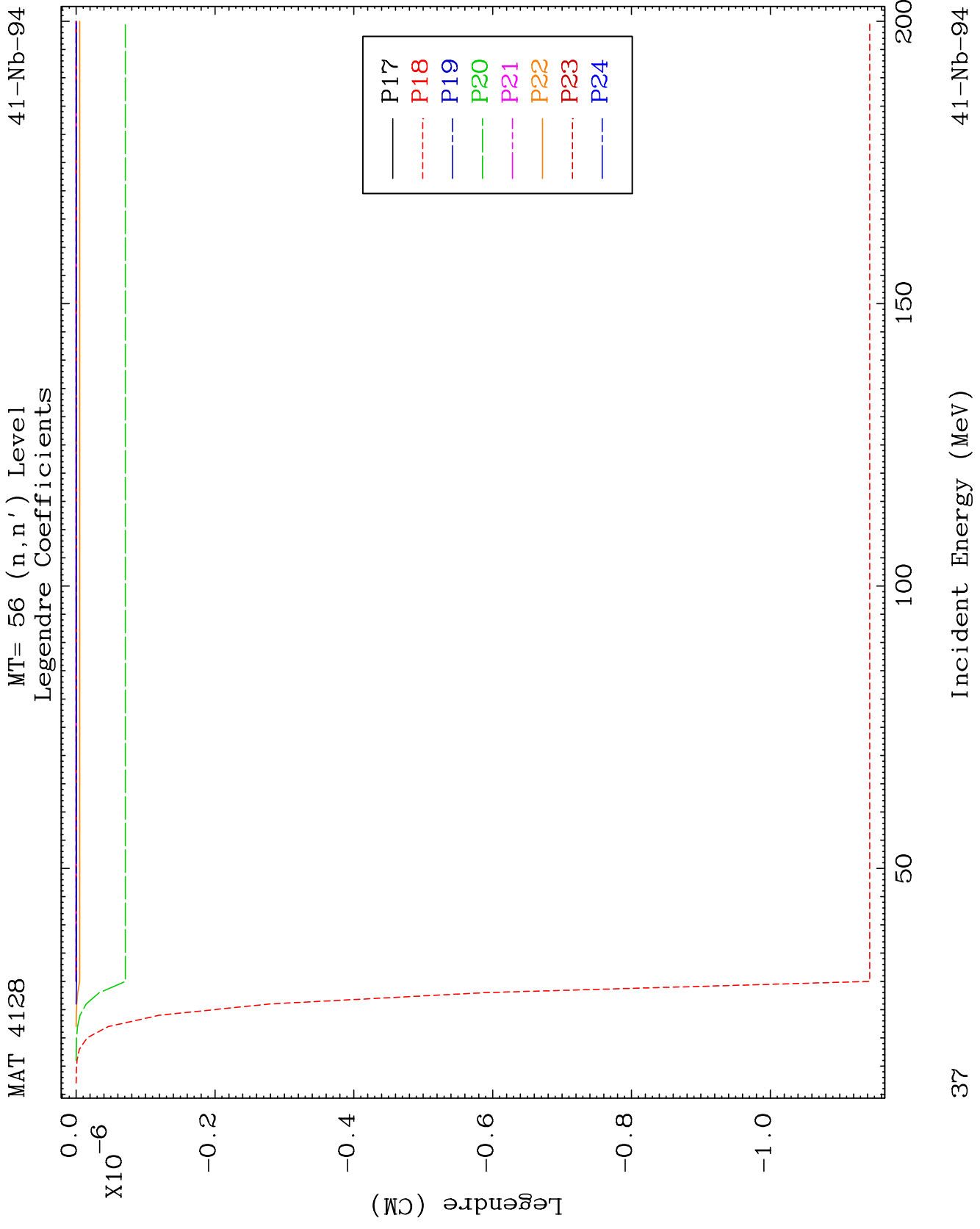
41-Nb-94



36

Incident Energy (MeV)

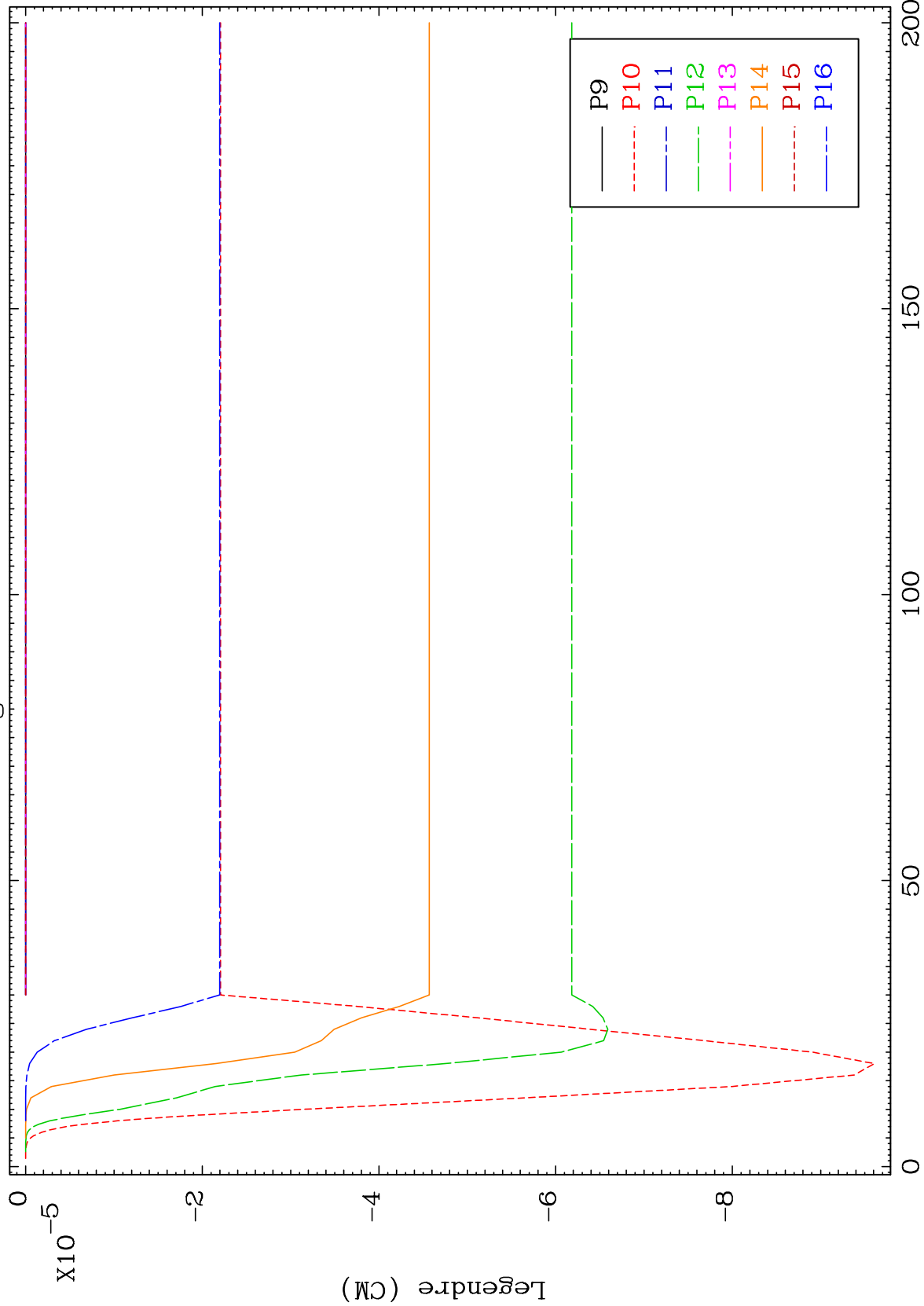
41-Nb-94



MAT 4128

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

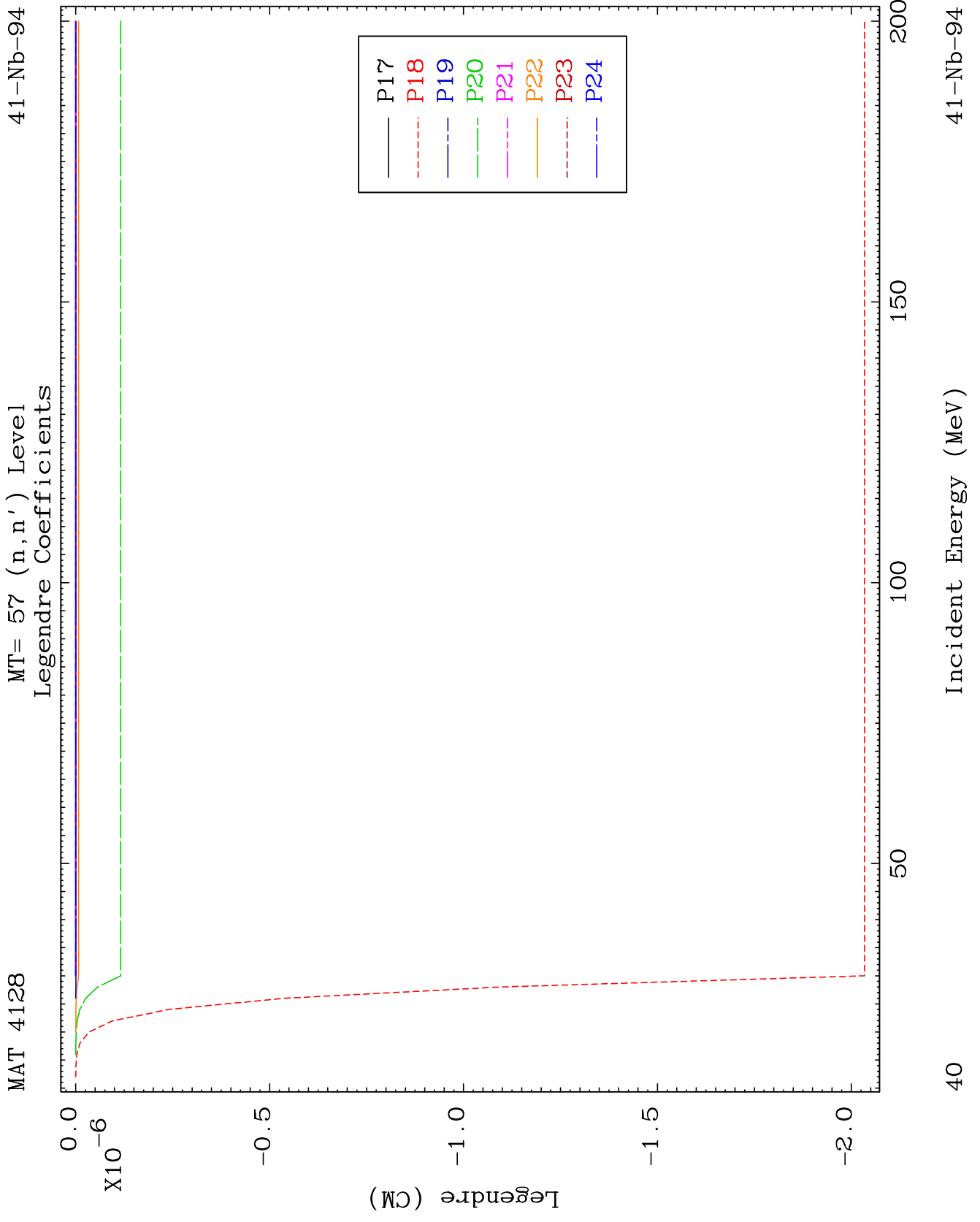
41-Nb-94



39

Incident Energy (MeV)

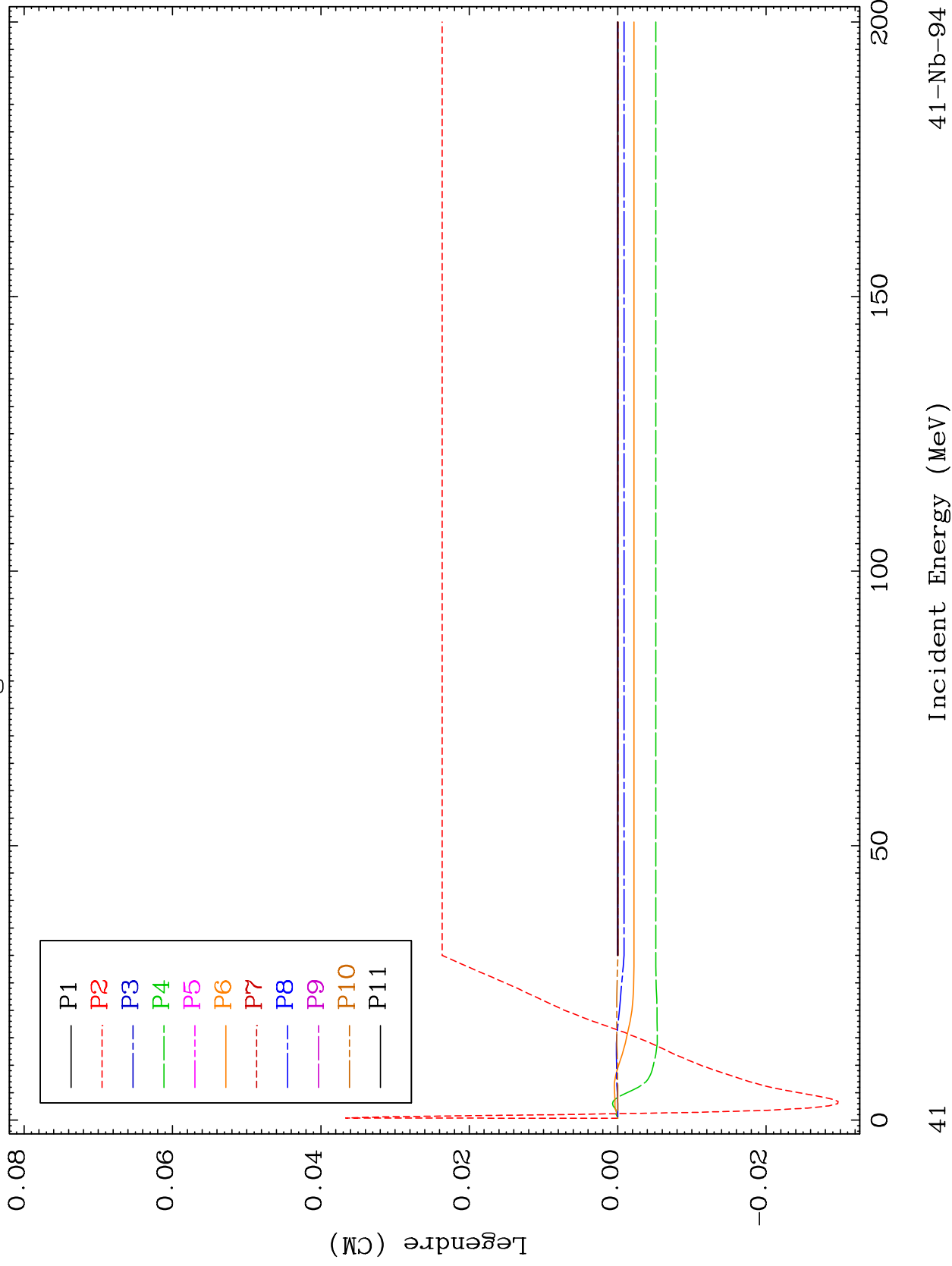
41-Nb-94



MAT 4128

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

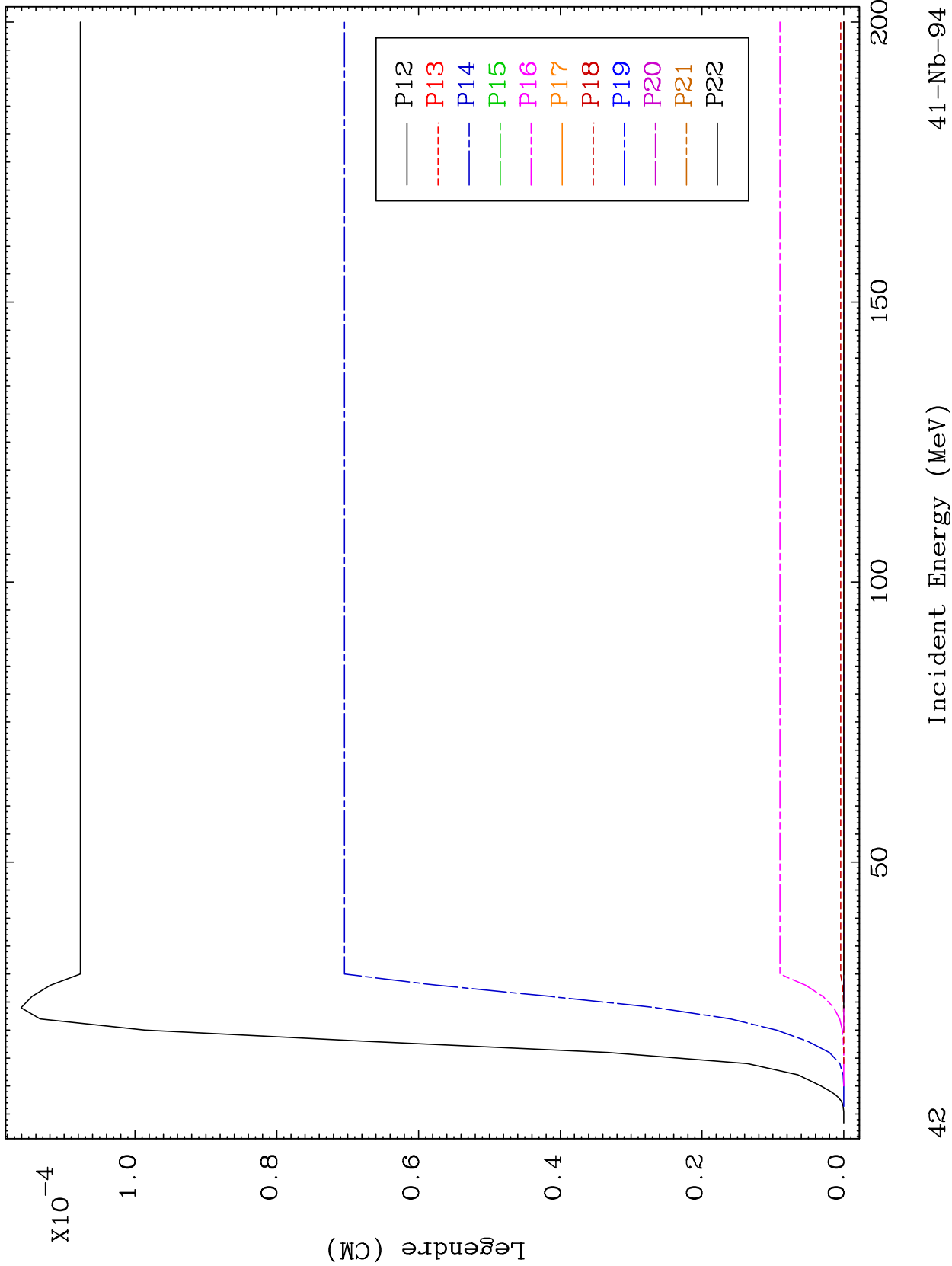
41-Nb-94



41-Nb-94

Incident Energy (MeV)

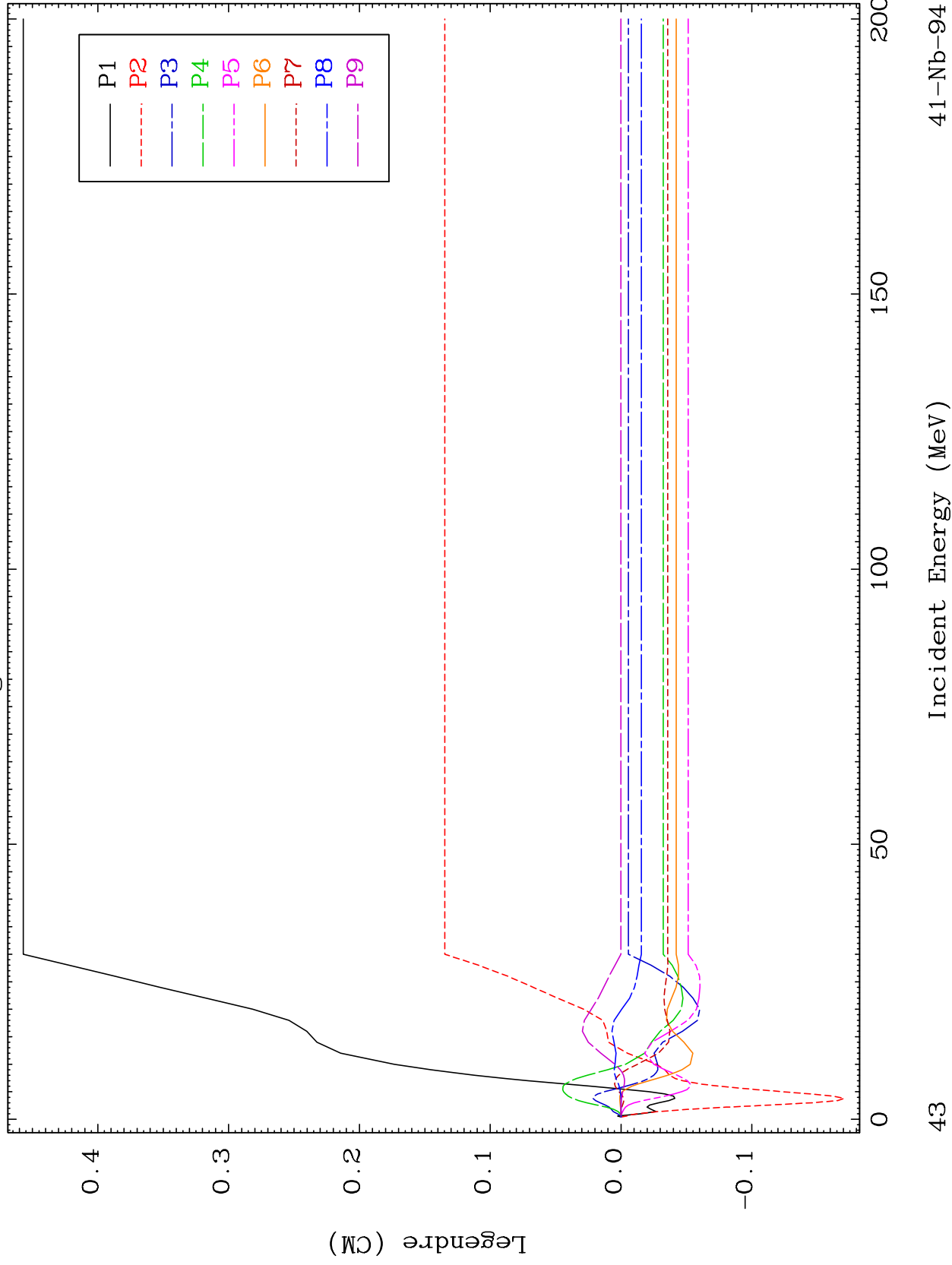
41



MAT 4128

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

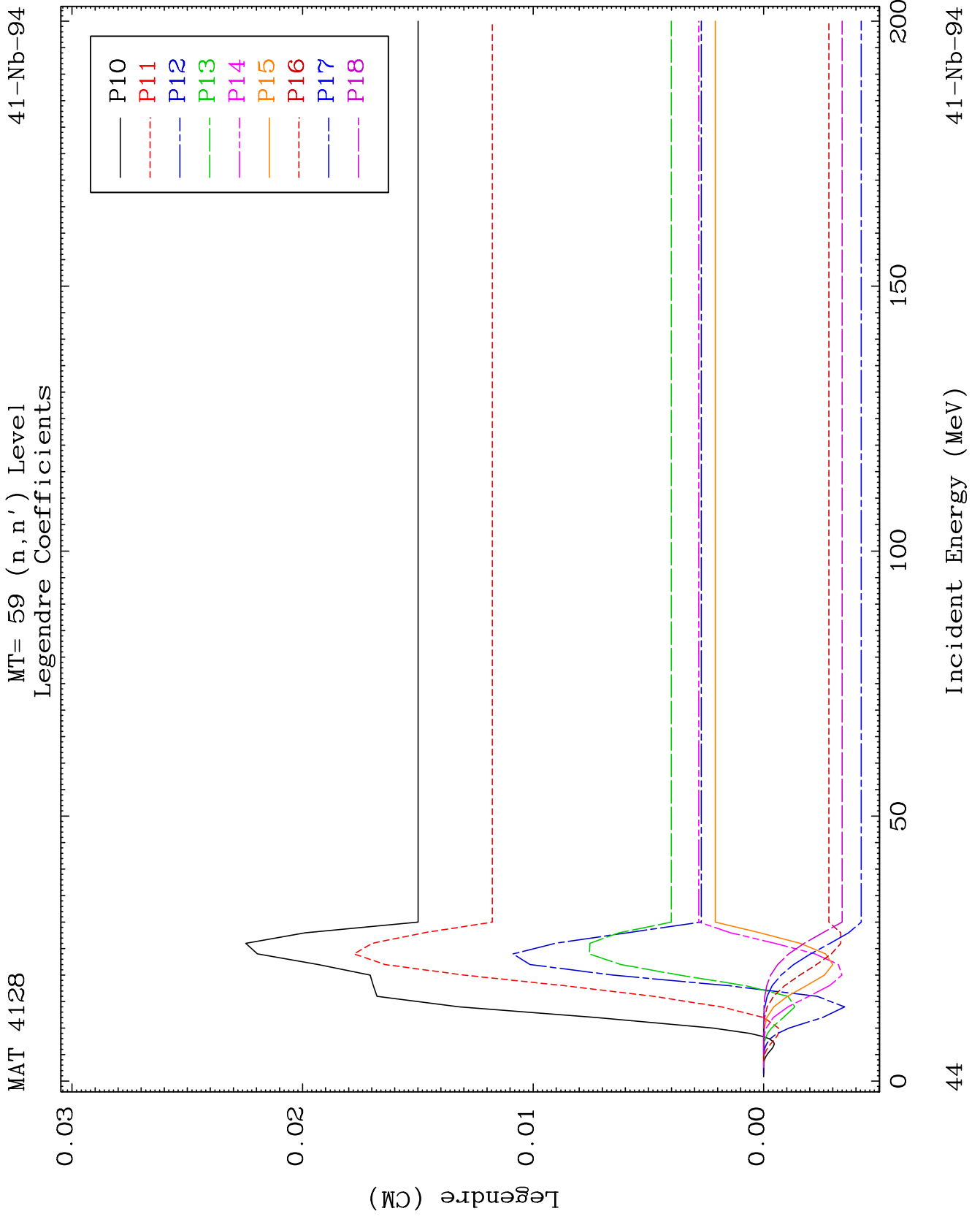
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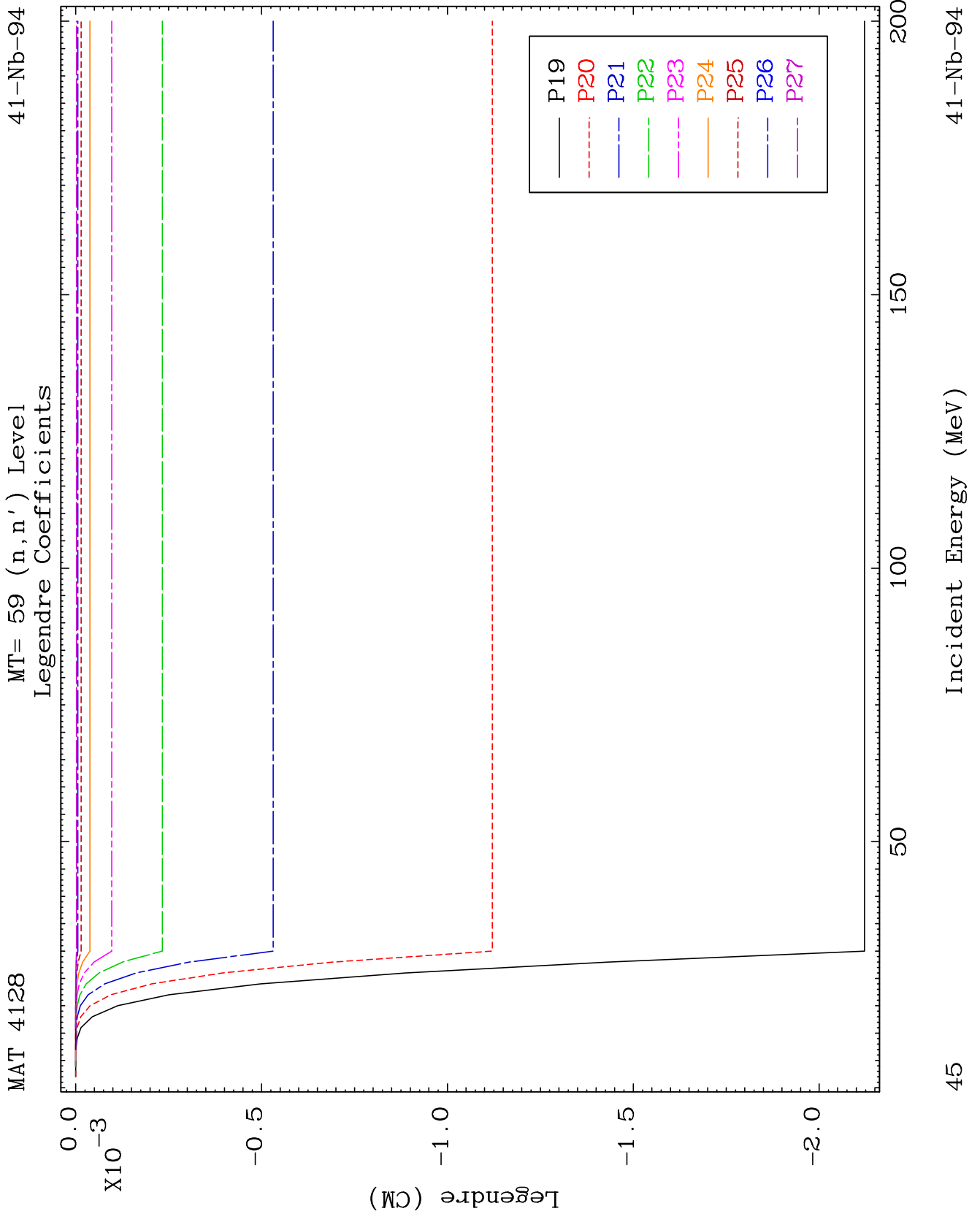


41-Nb-94

Incident Energy (MeV)

43

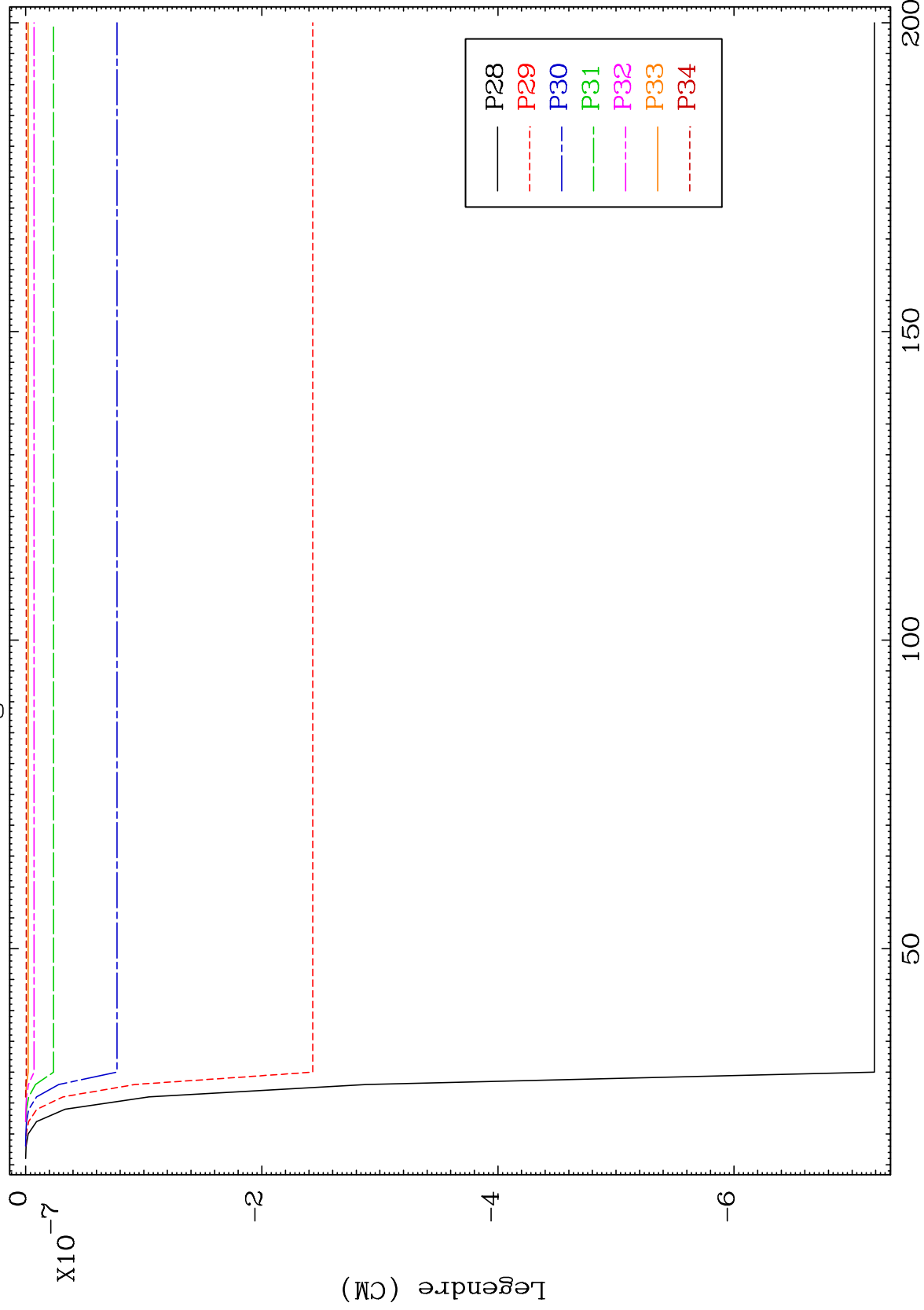




MAT 4128

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

41-Nb-94



46

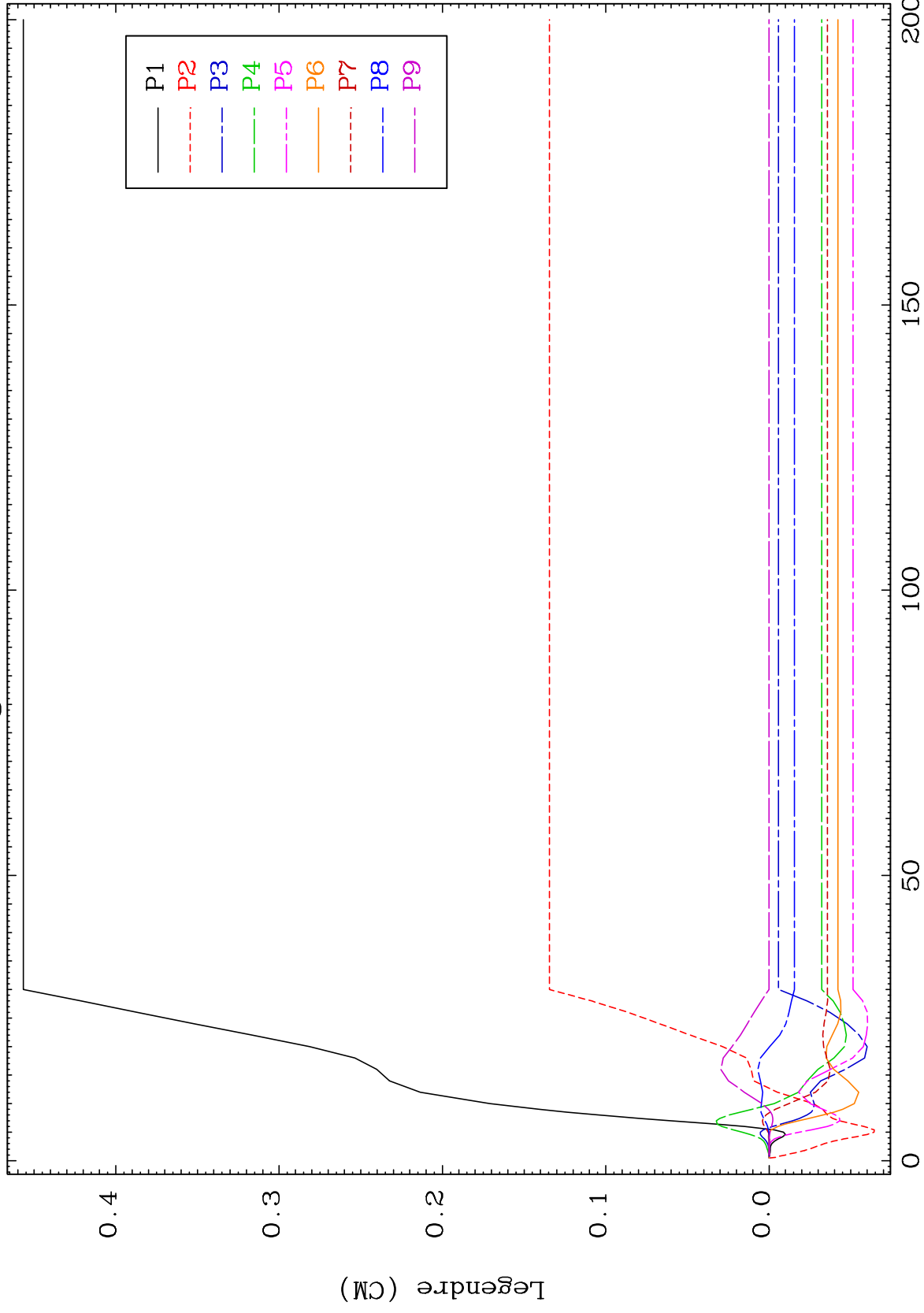
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

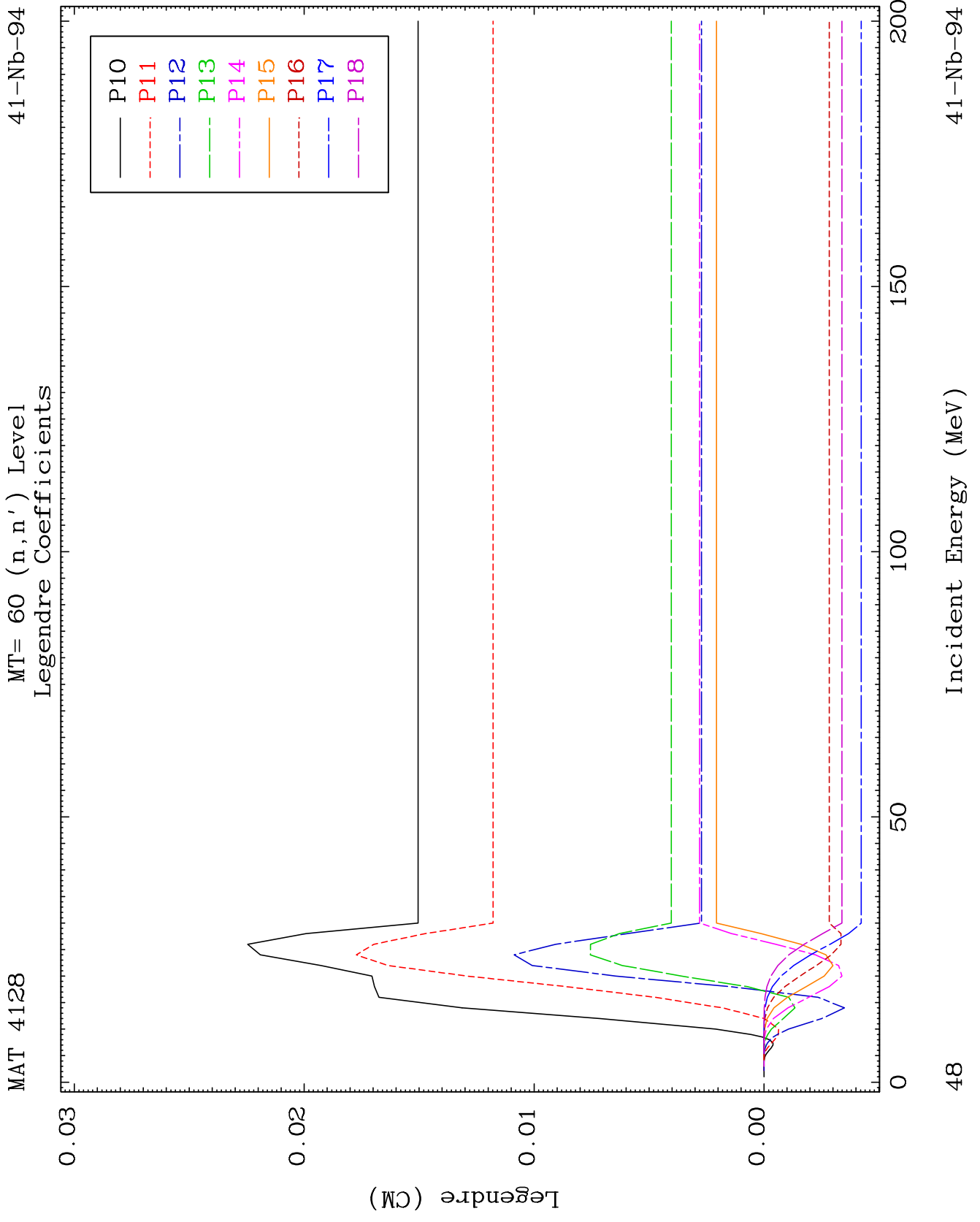
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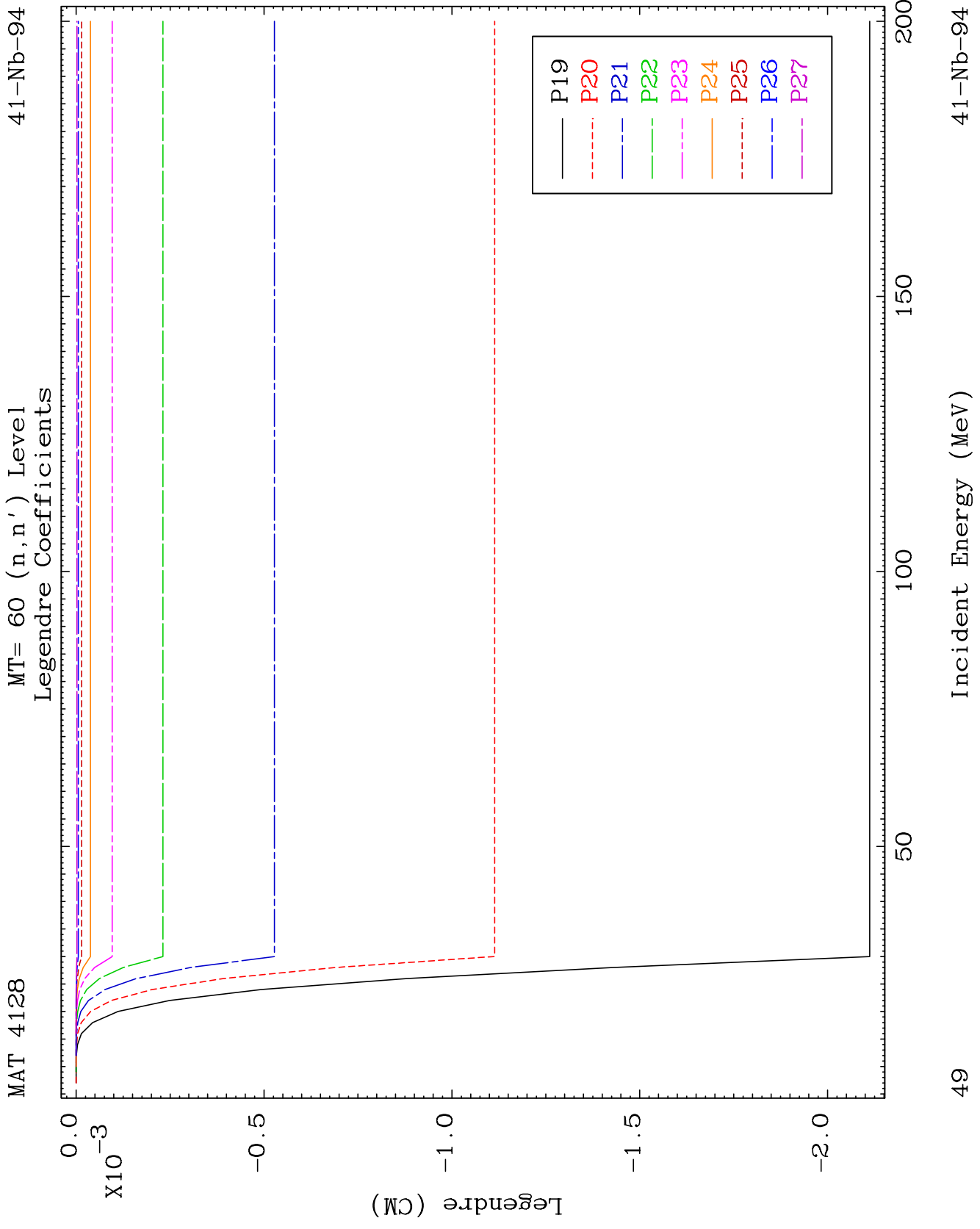


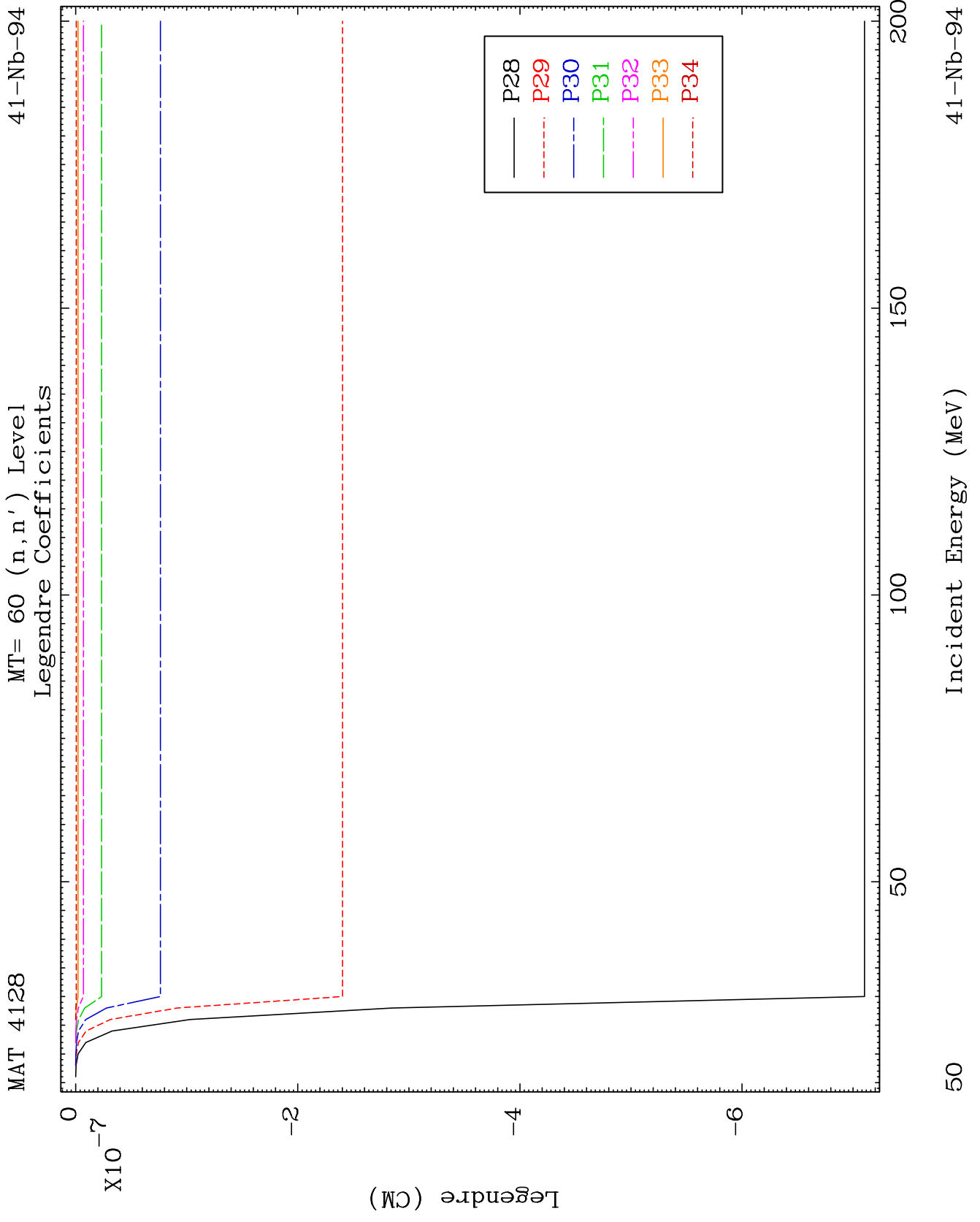
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Incident Energy (MeV)

41-Nb-94



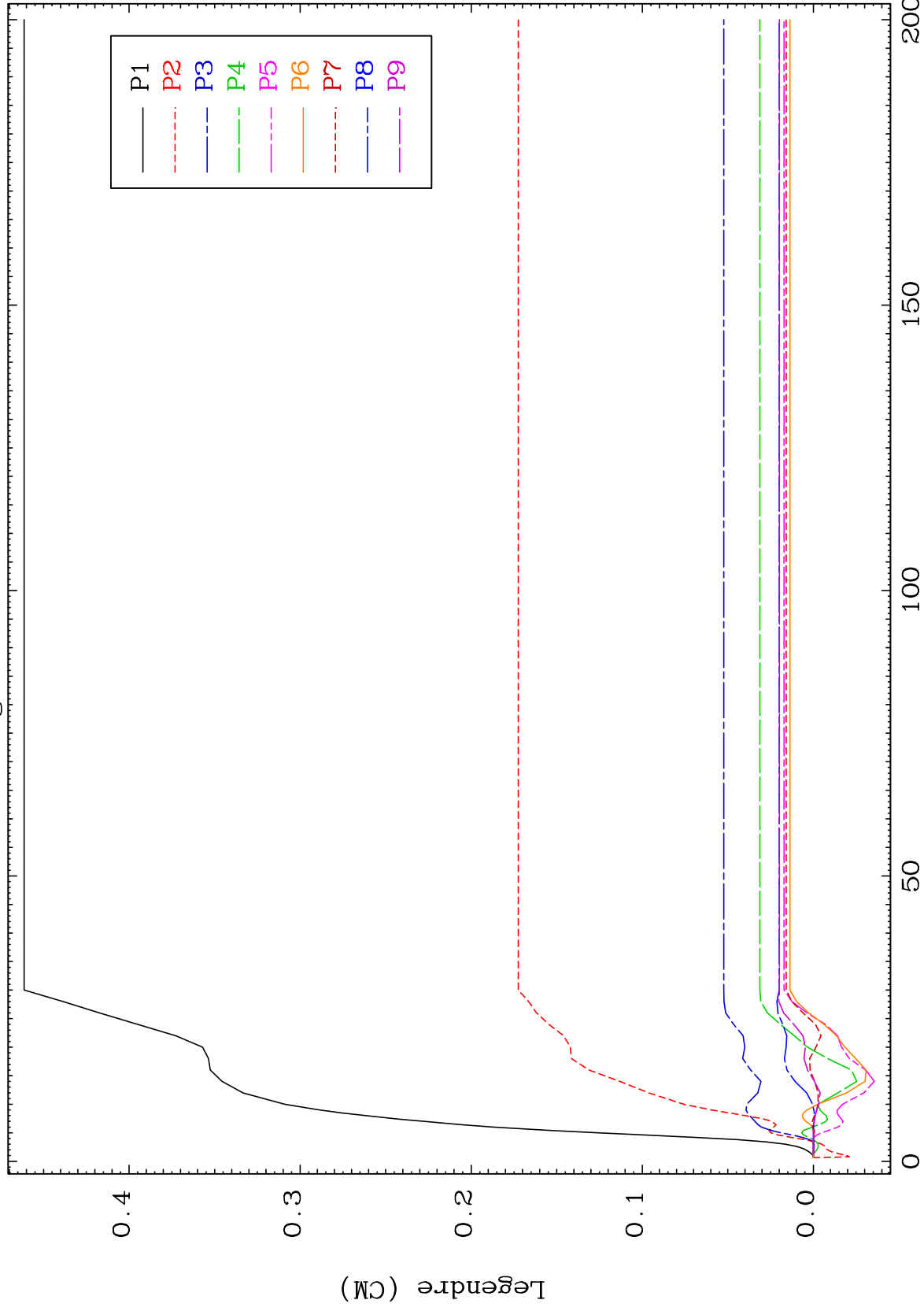




MAT 4128

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

41-Nb-94



51

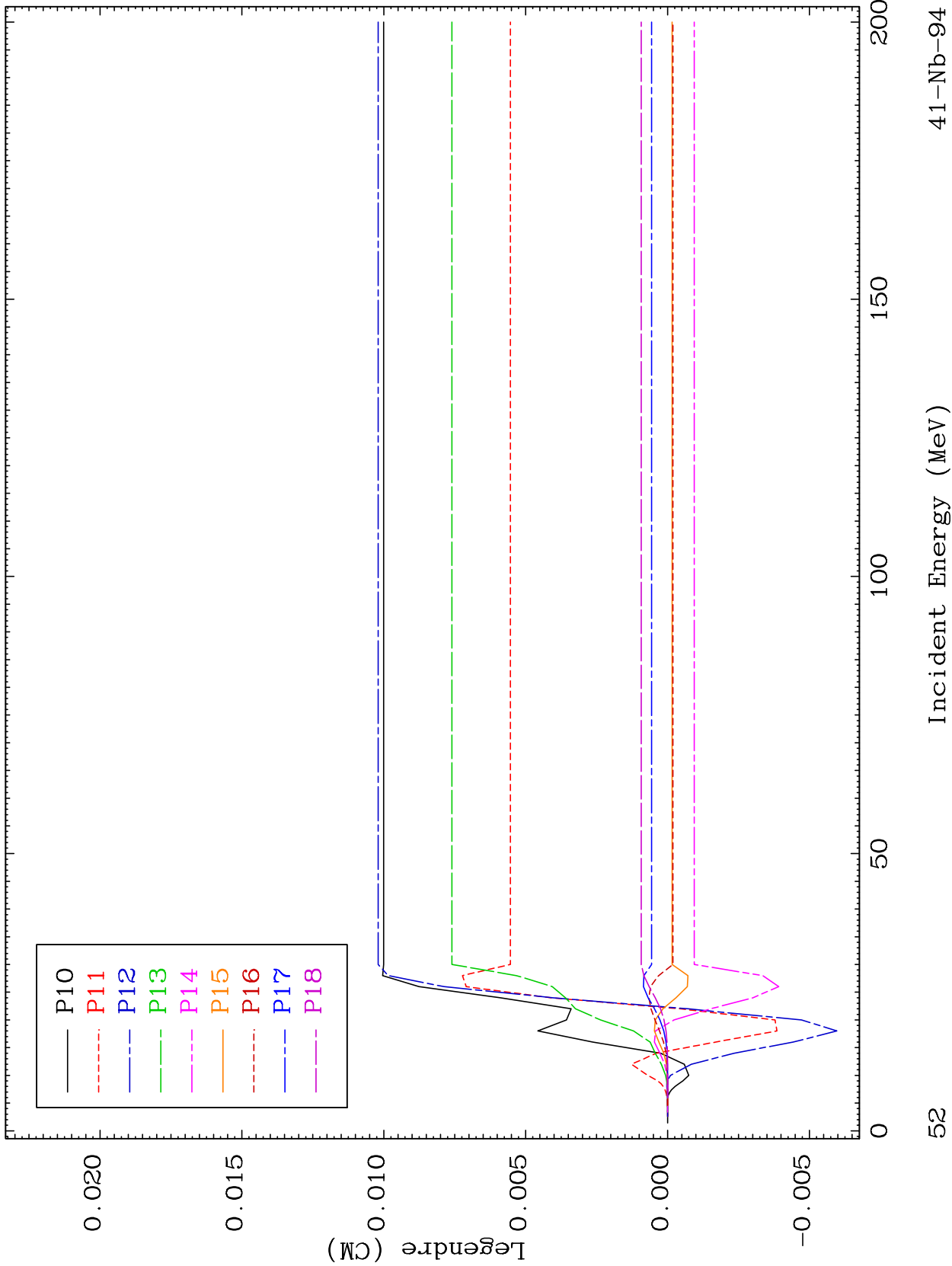
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

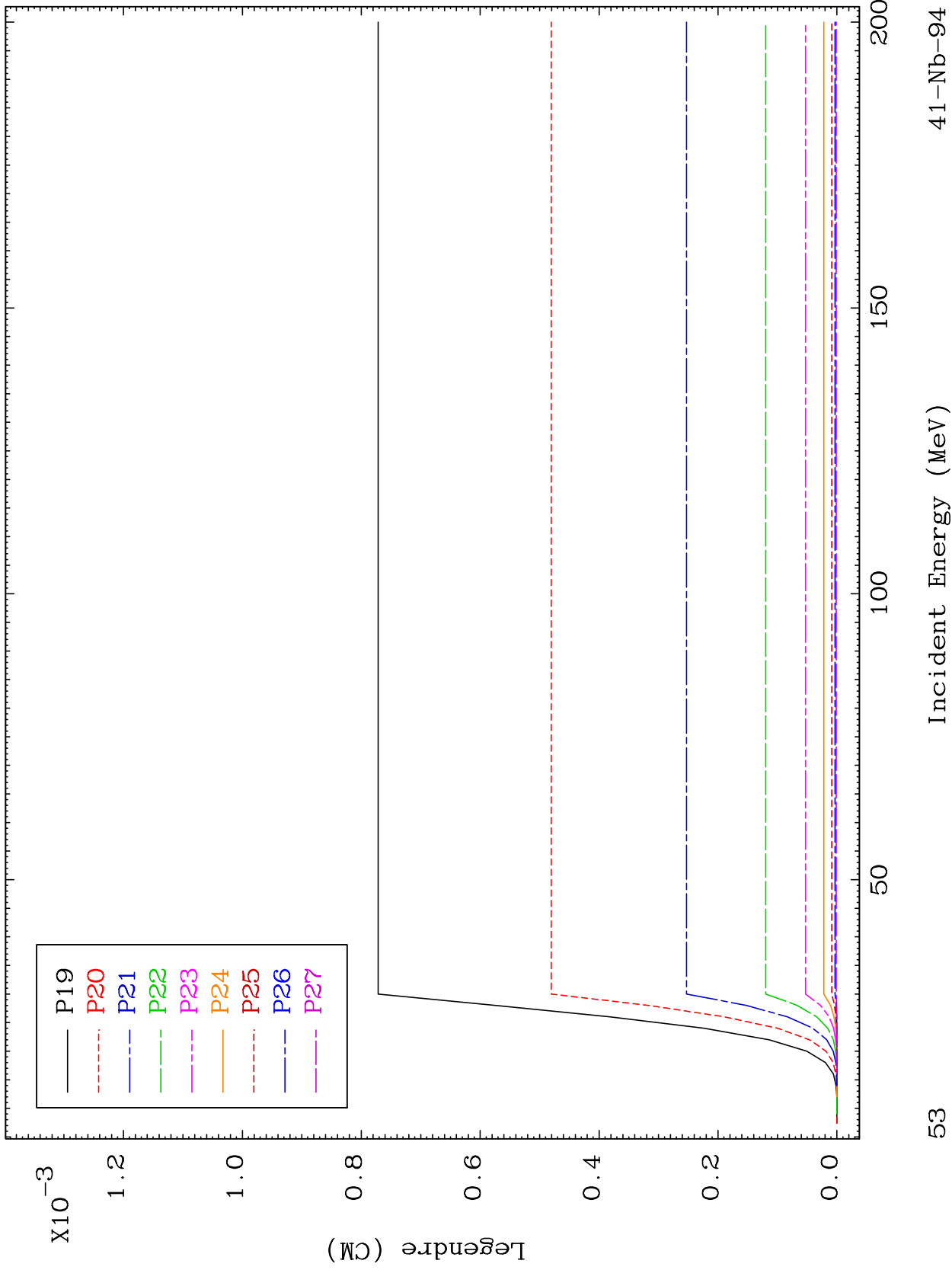
41-Nb-94



52

Incident Energy (MeV)

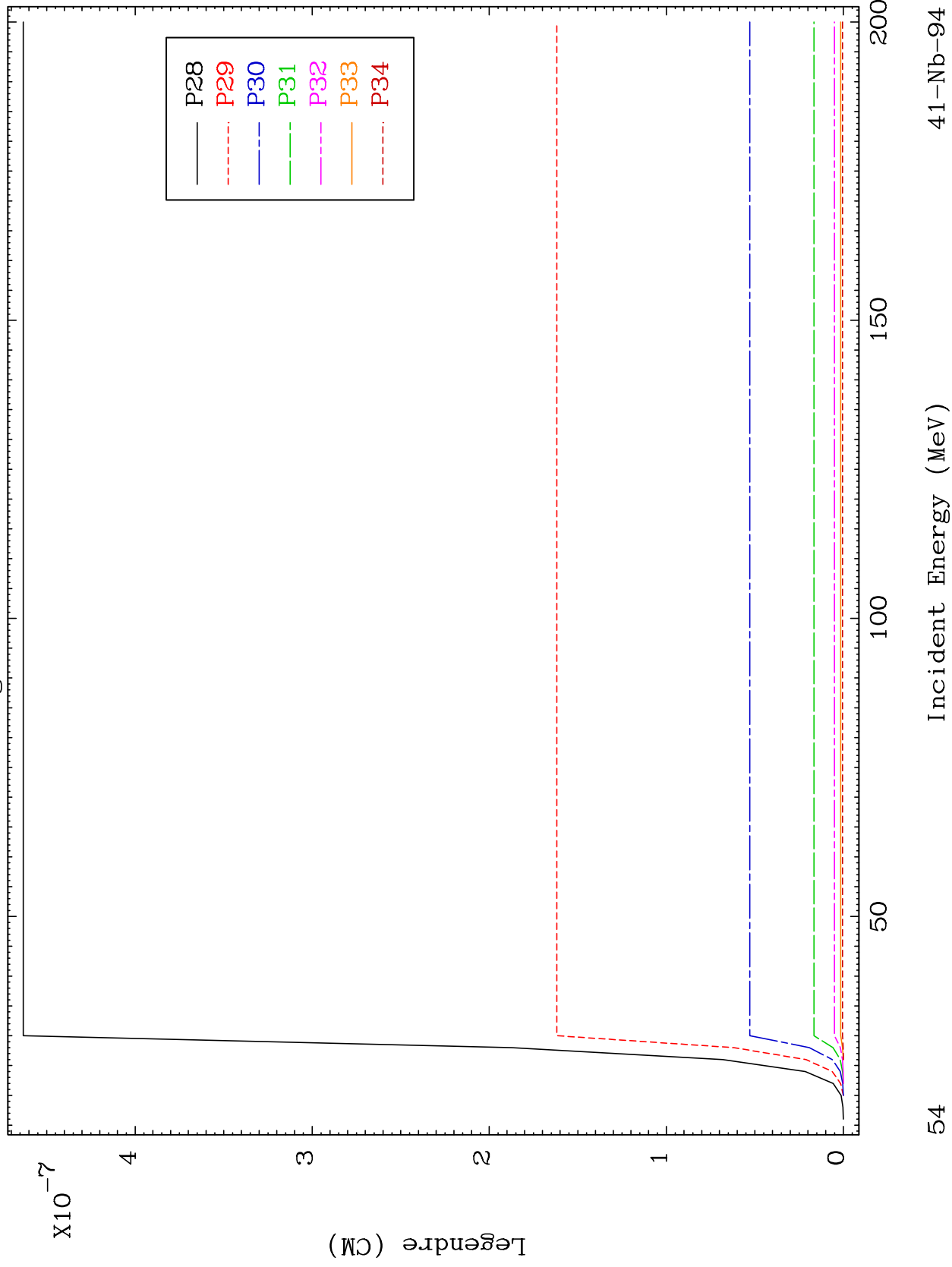
41-Nb-94



MAT 4128

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

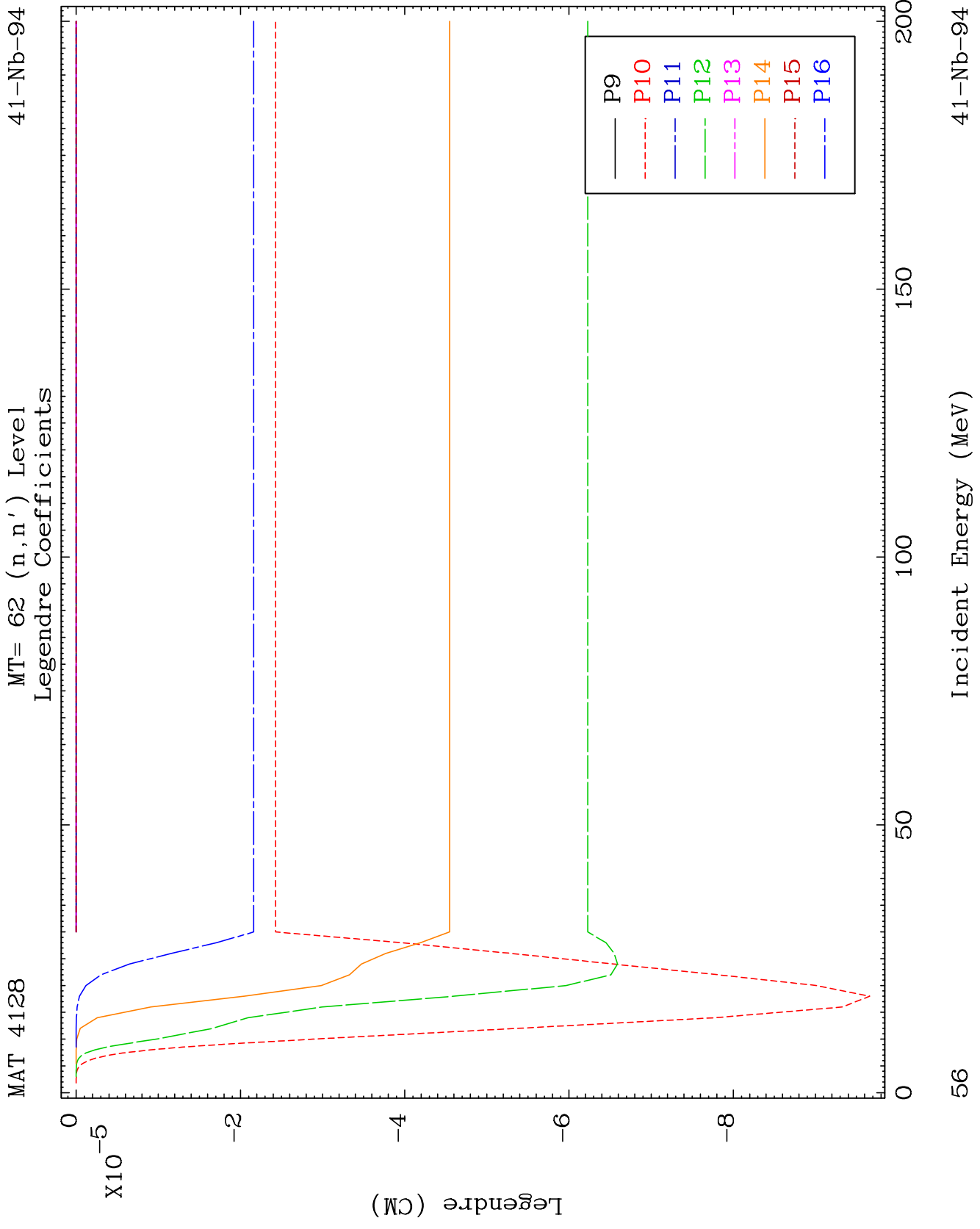
41-Nb-94



54

Incident Energy (MeV)

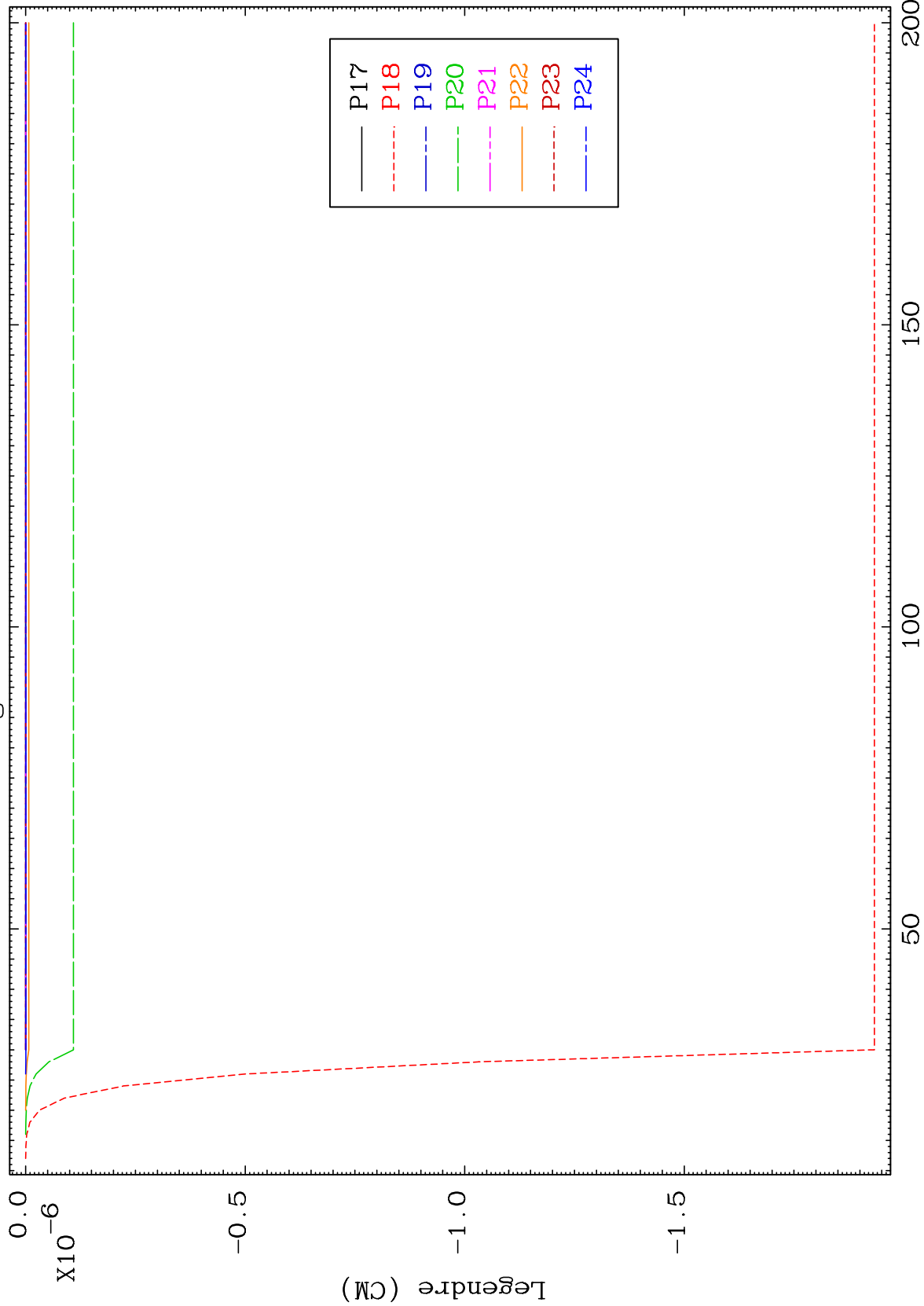
41-Nb-94



MAT 4128

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

41-Nb-94



41-Nb-94

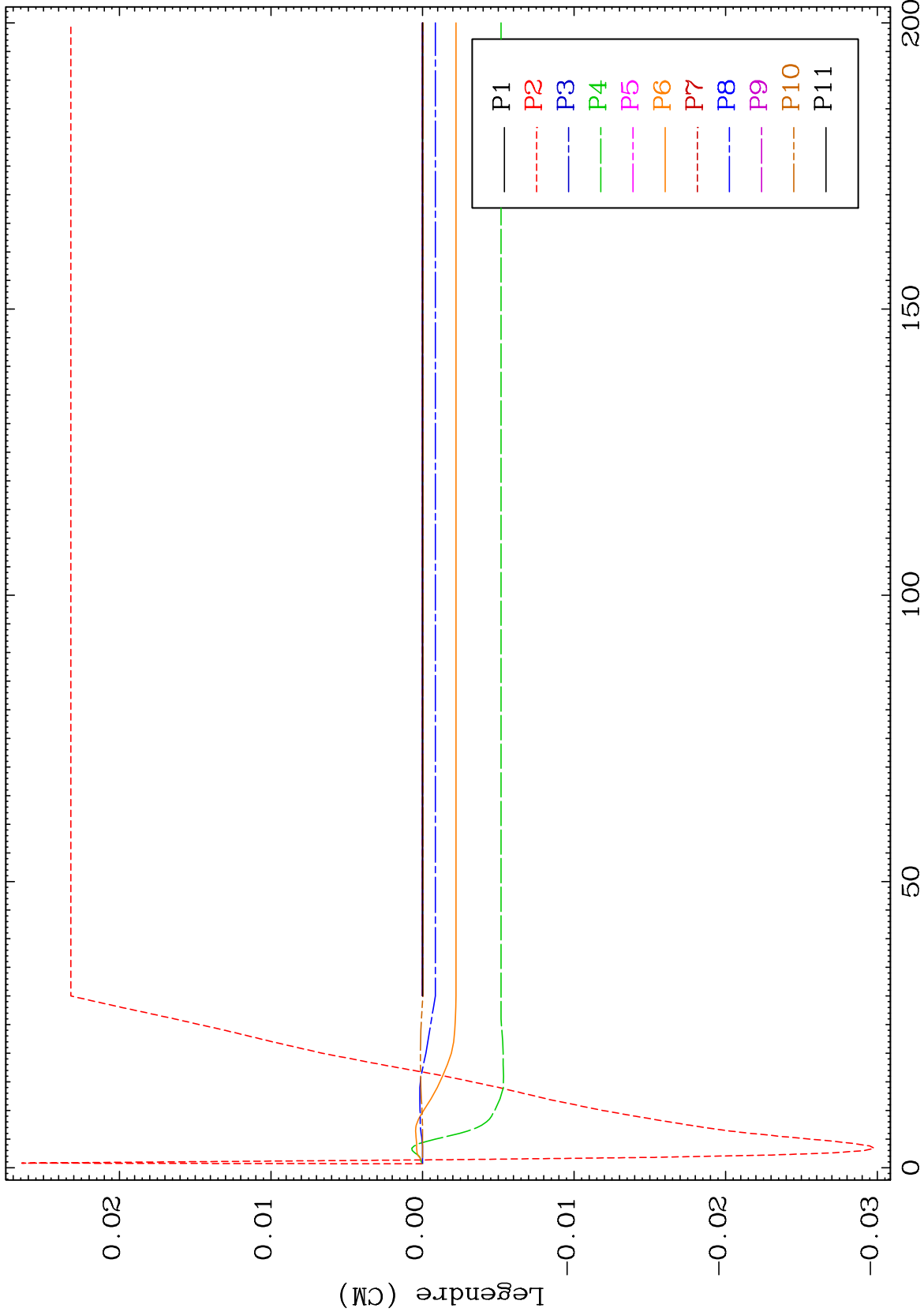
Incident Energy (MeV)

57

MAT 4128

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

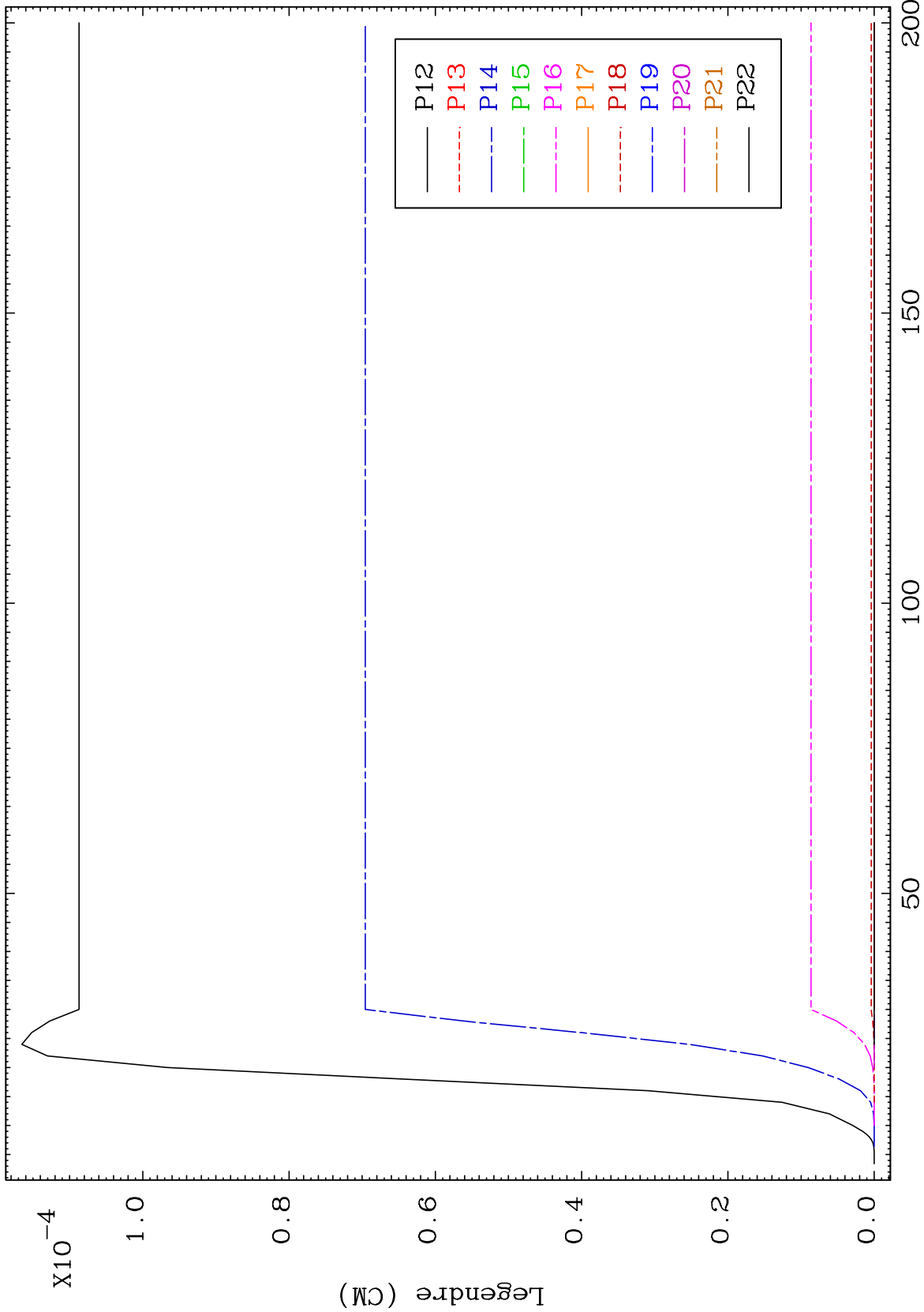
41-Nb-94



58

Incident Energy (MeV)

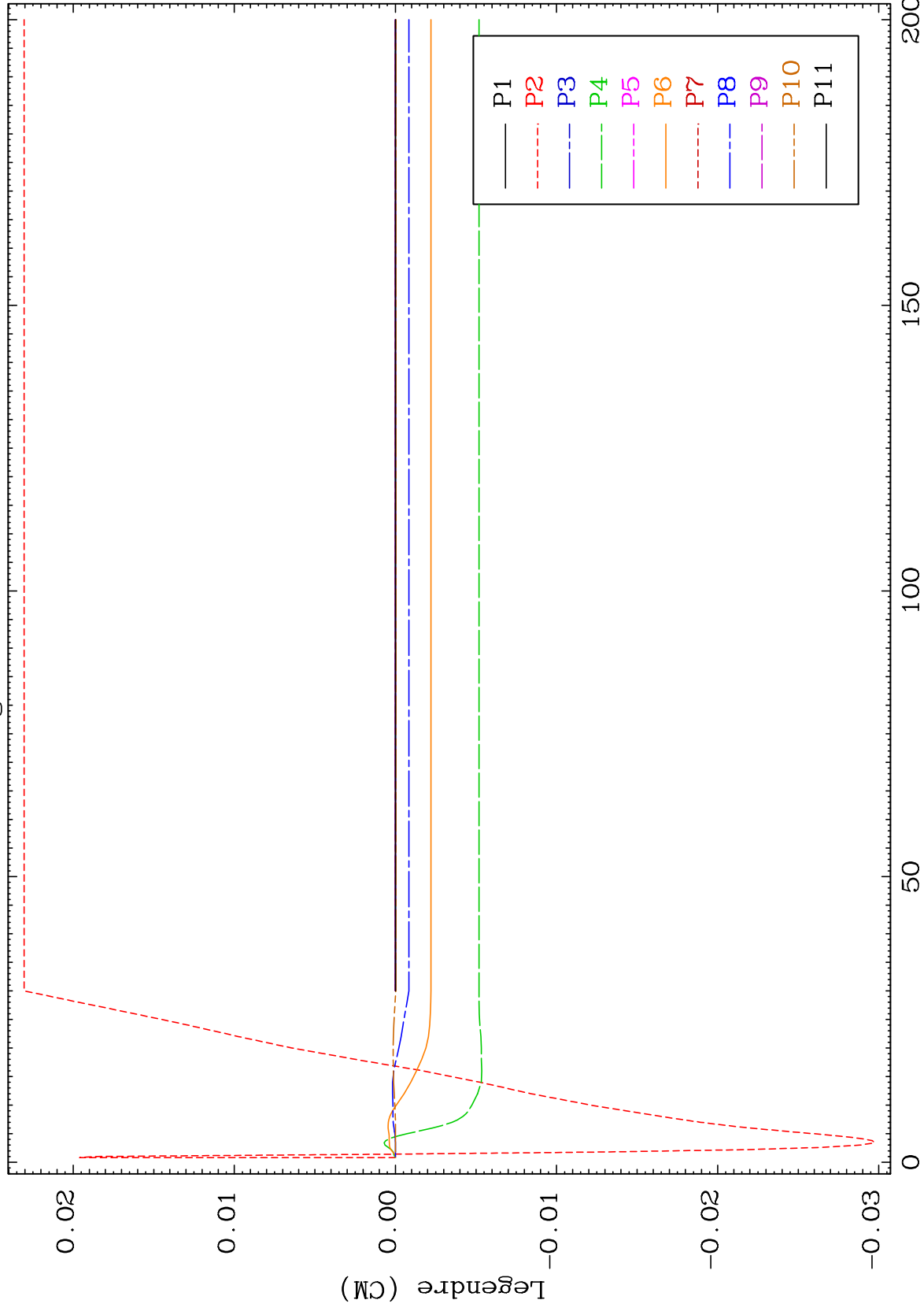
41-Nb-94



MAT 4128

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

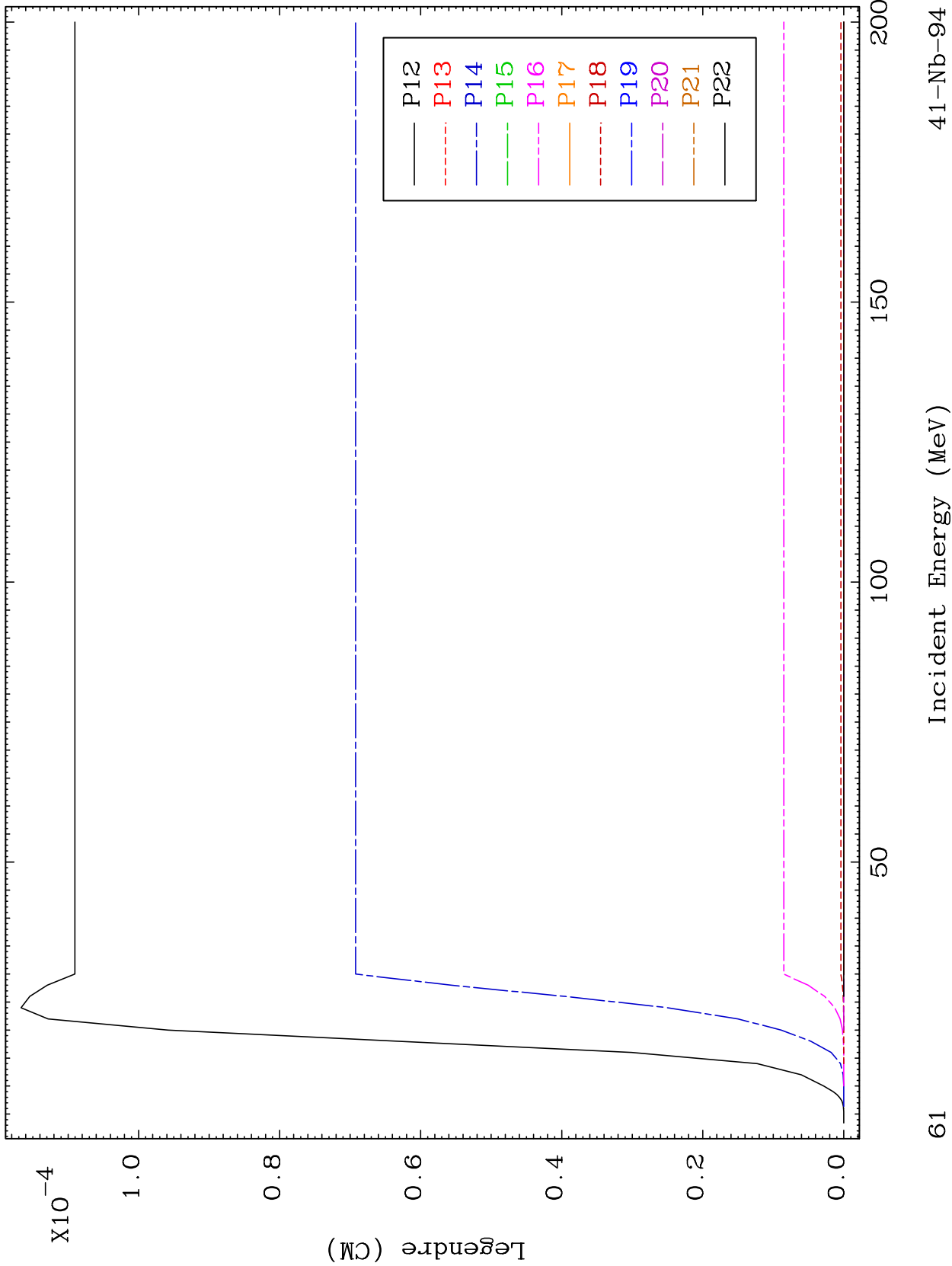
41-Nb-94



41-Nb-94

Incident Energy (MeV)

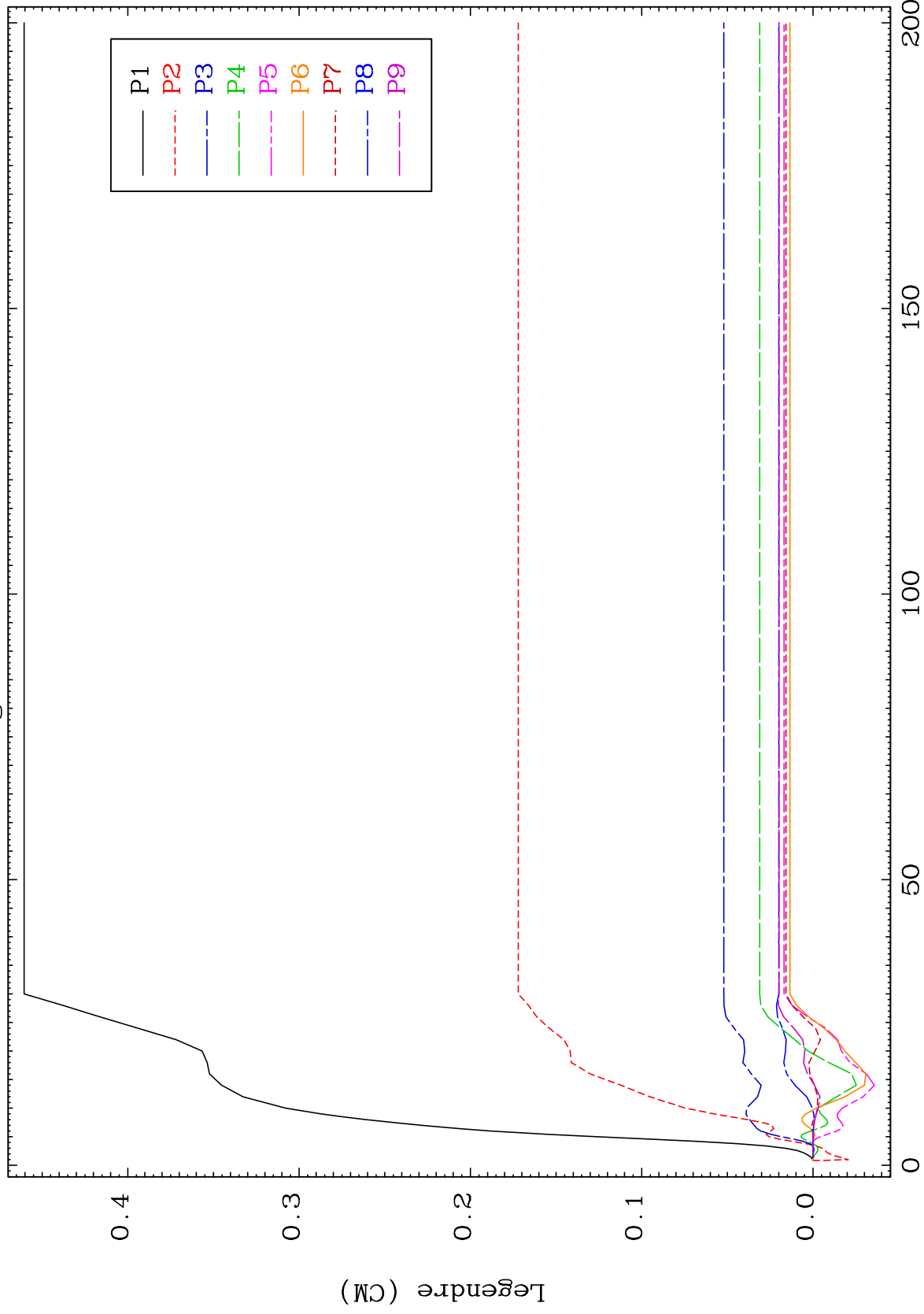
60



MAT 4128

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

41-Nb-94



62

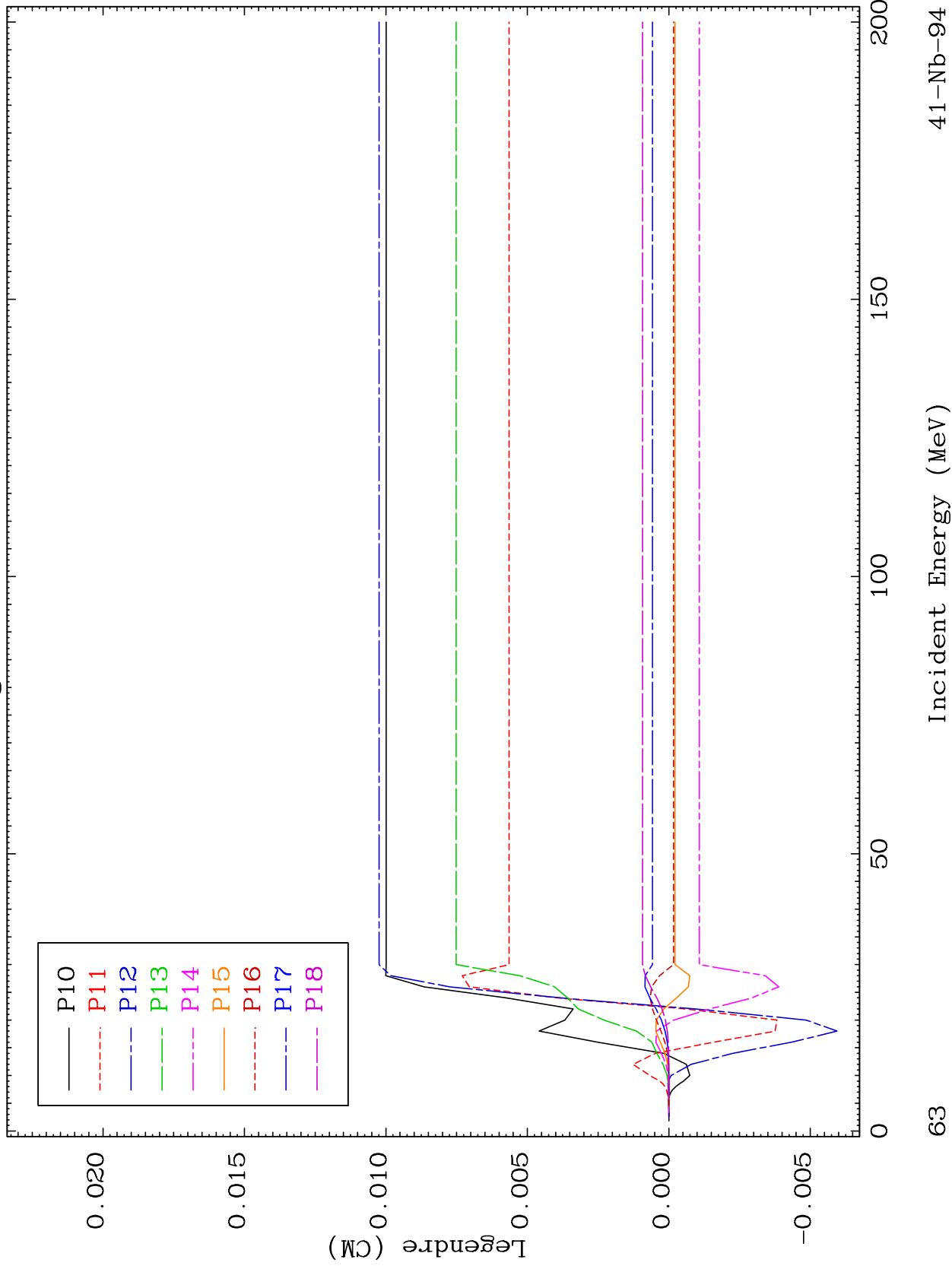
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

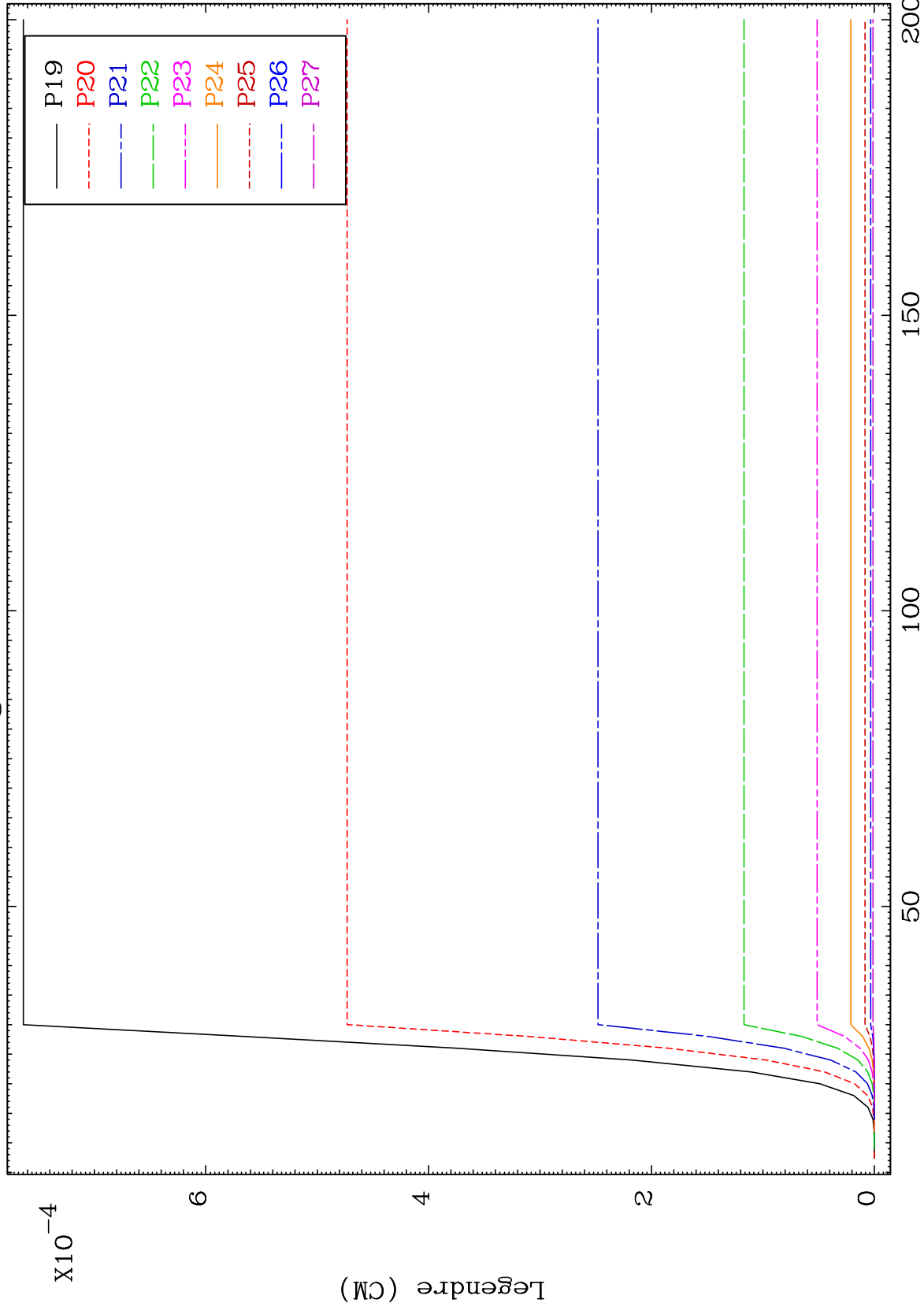
41-Nb-94



MAT 4128

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

41-Nb-94



64

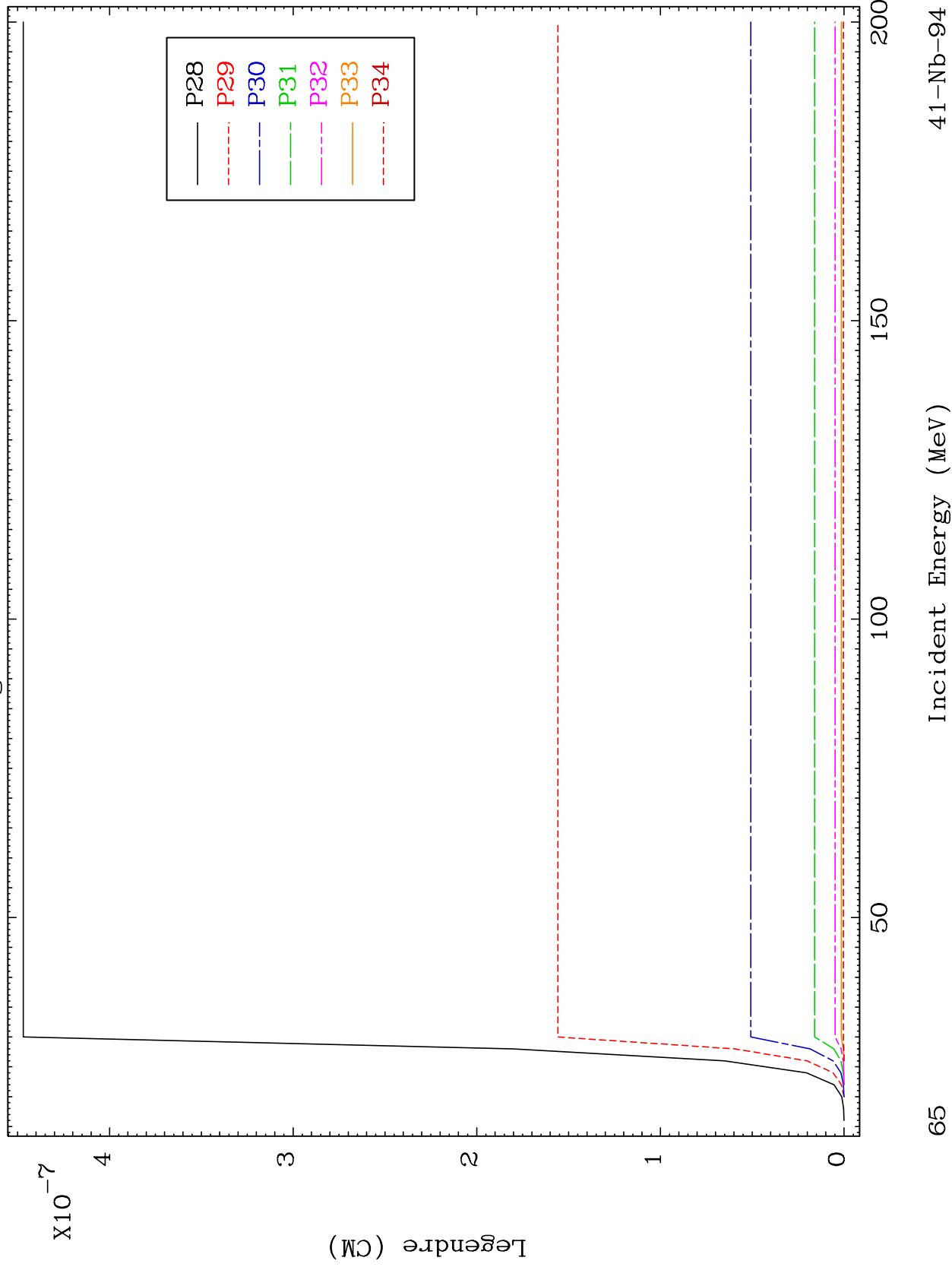
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94



65

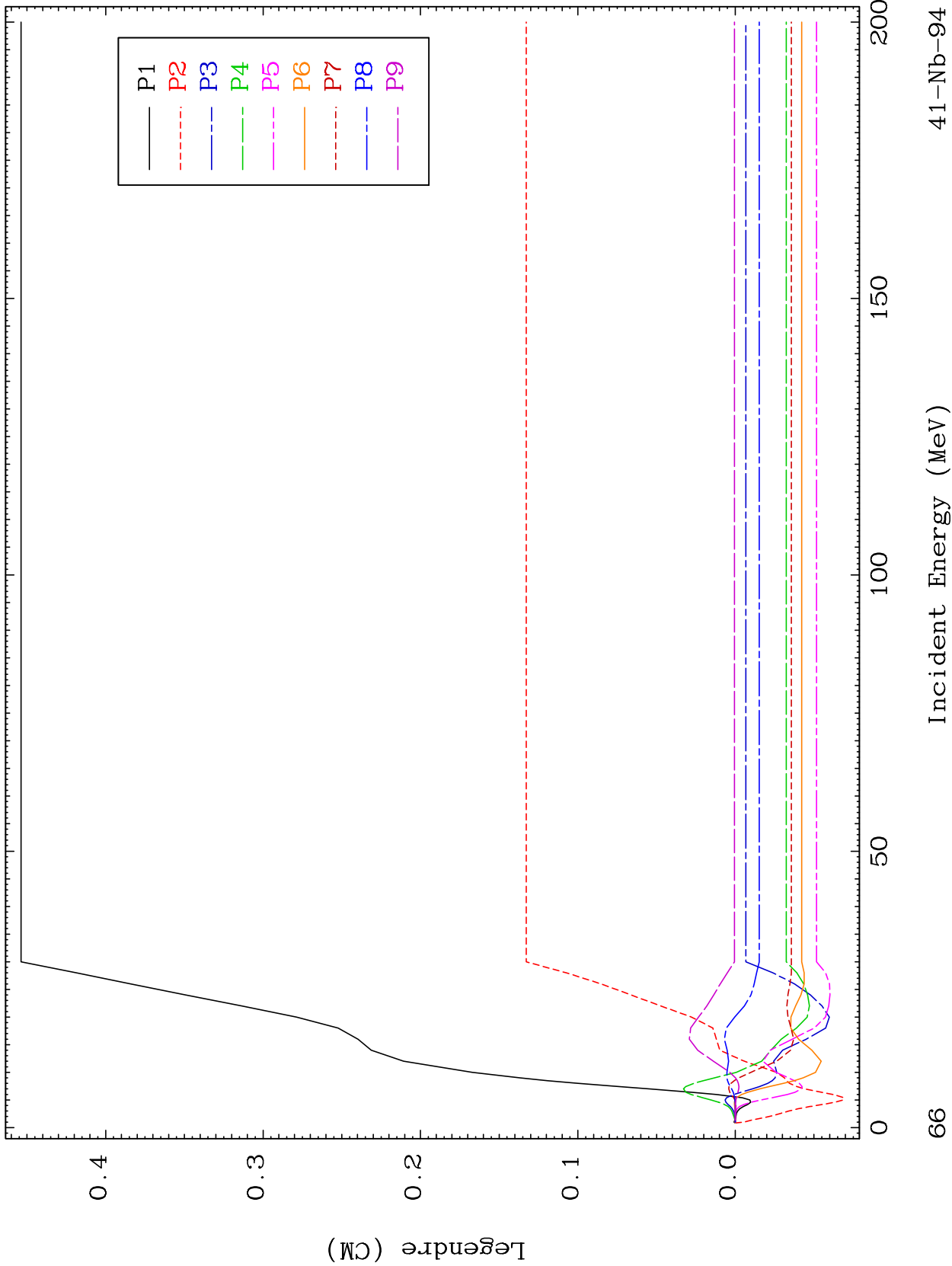
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94

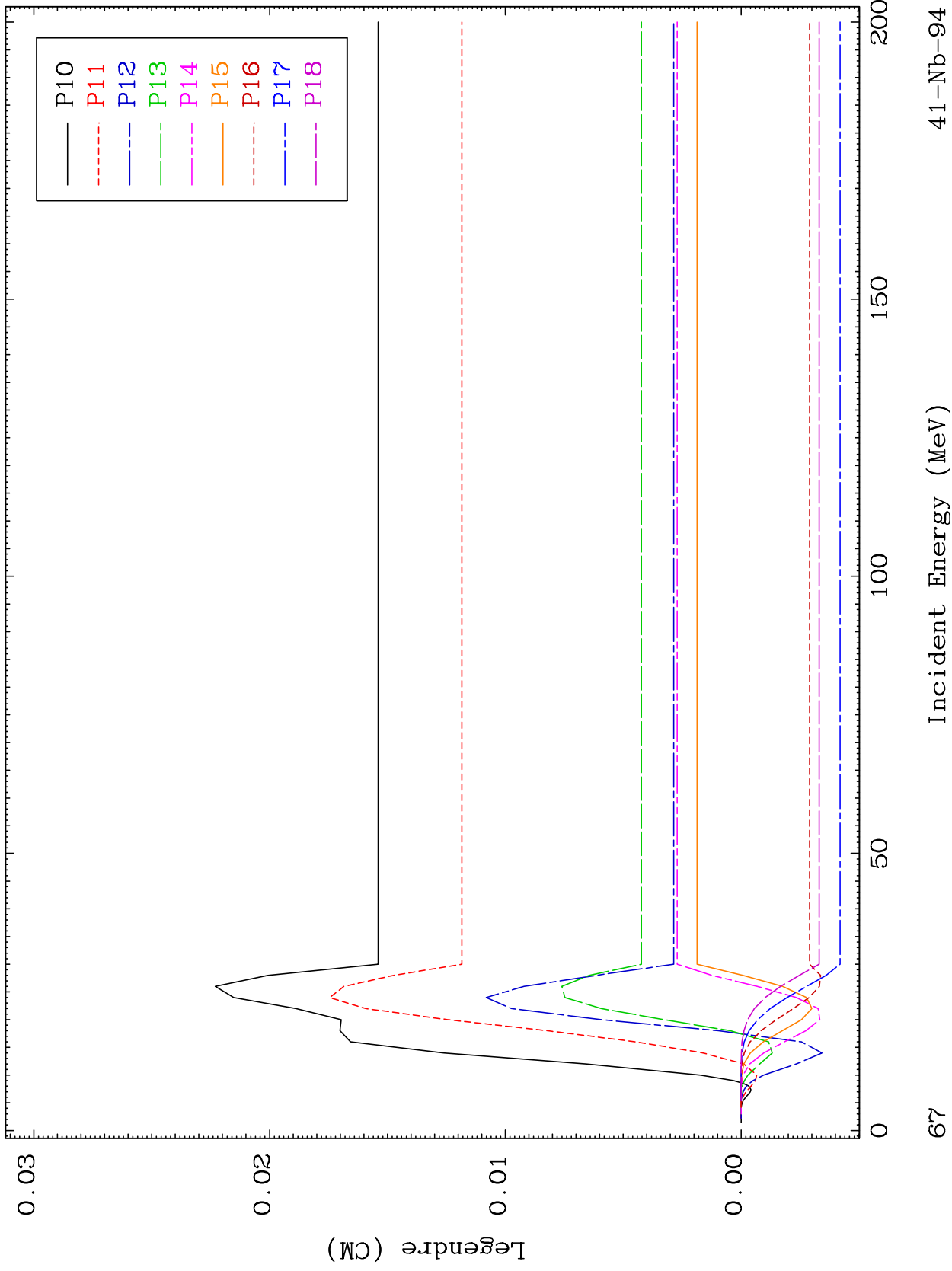


41-Nb-94

MAT 4128

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

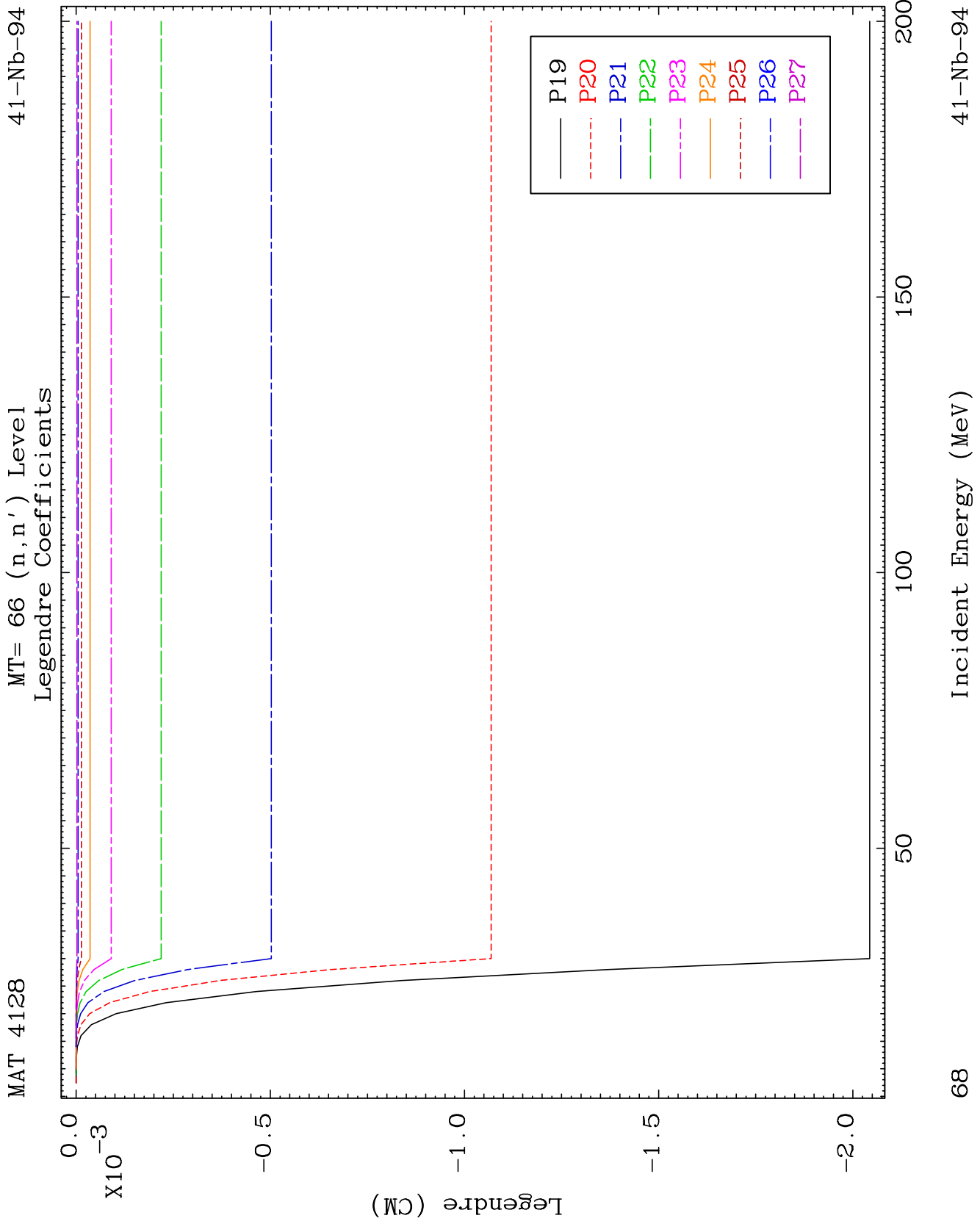
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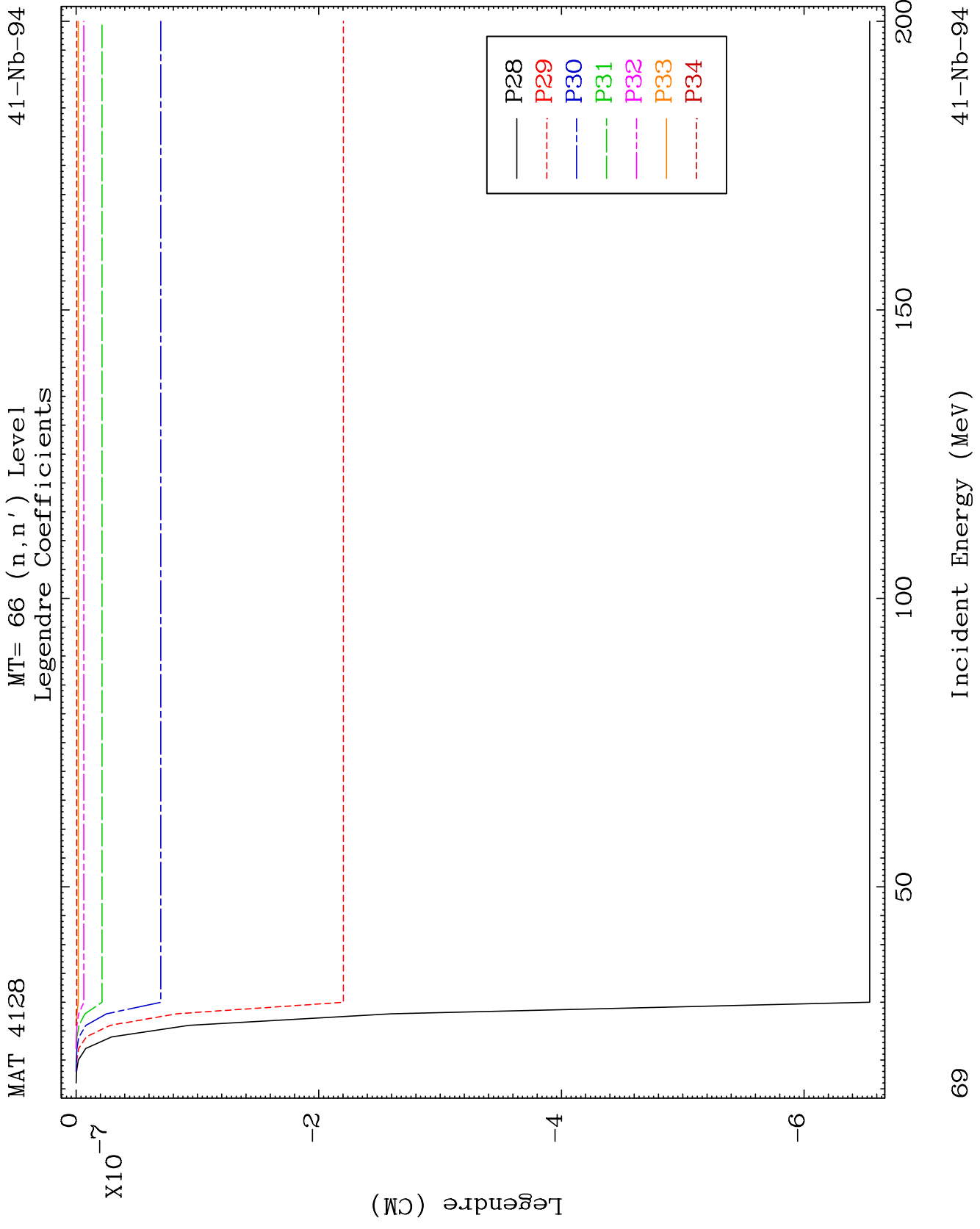


67

Incident Energy (MeV)

41-Nb-94

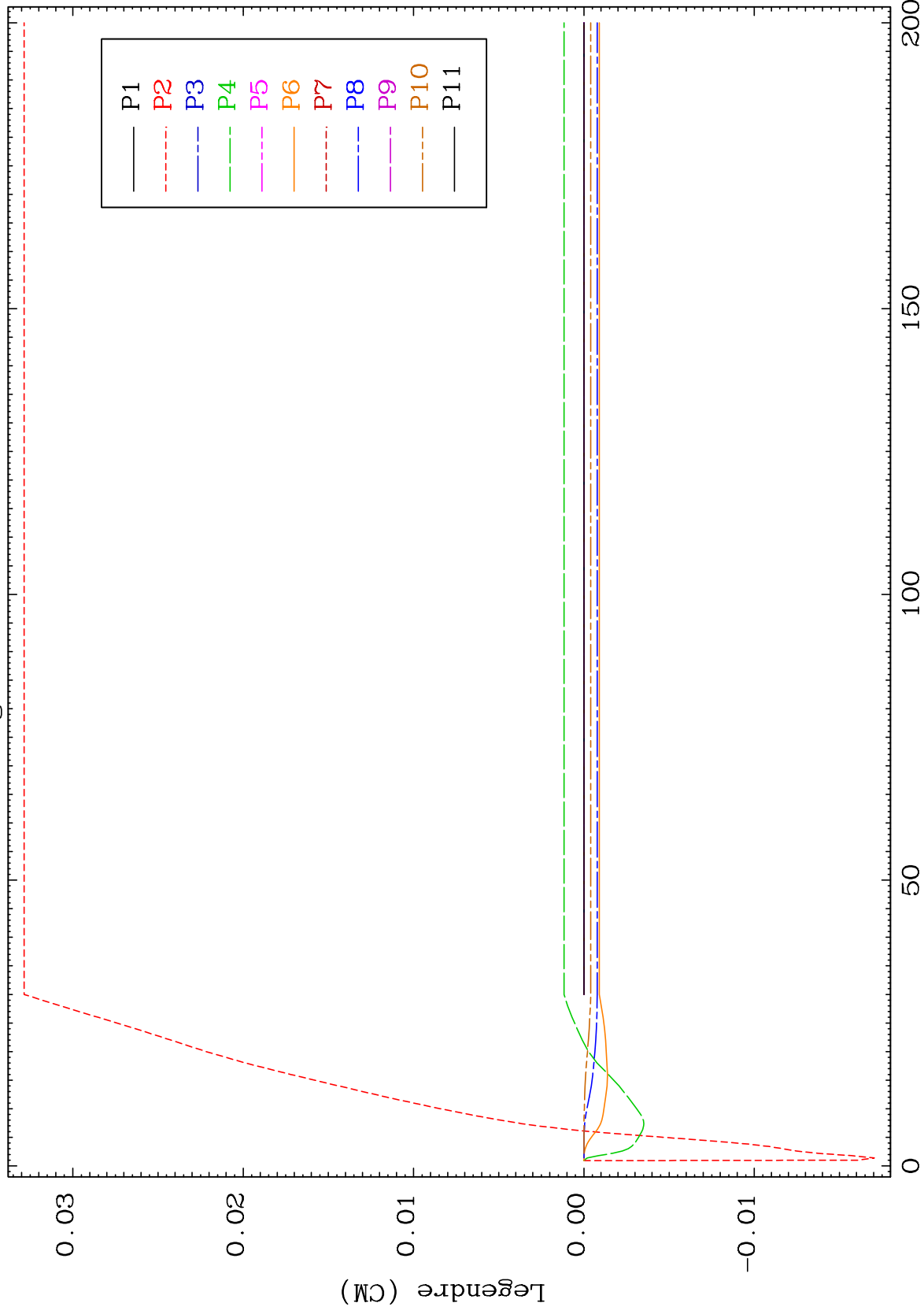




MAT 4128

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

41-Nb-94



70

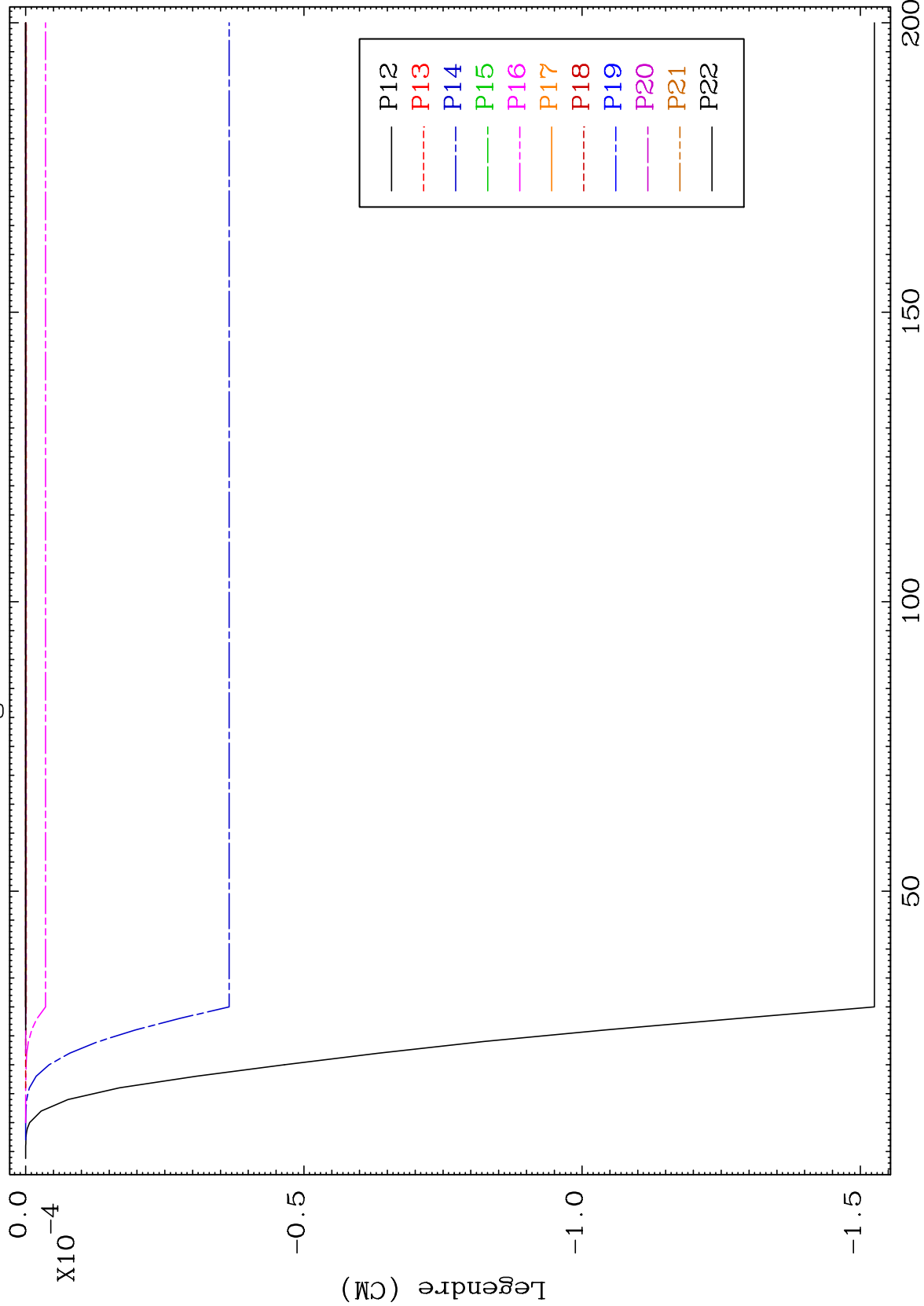
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94



71

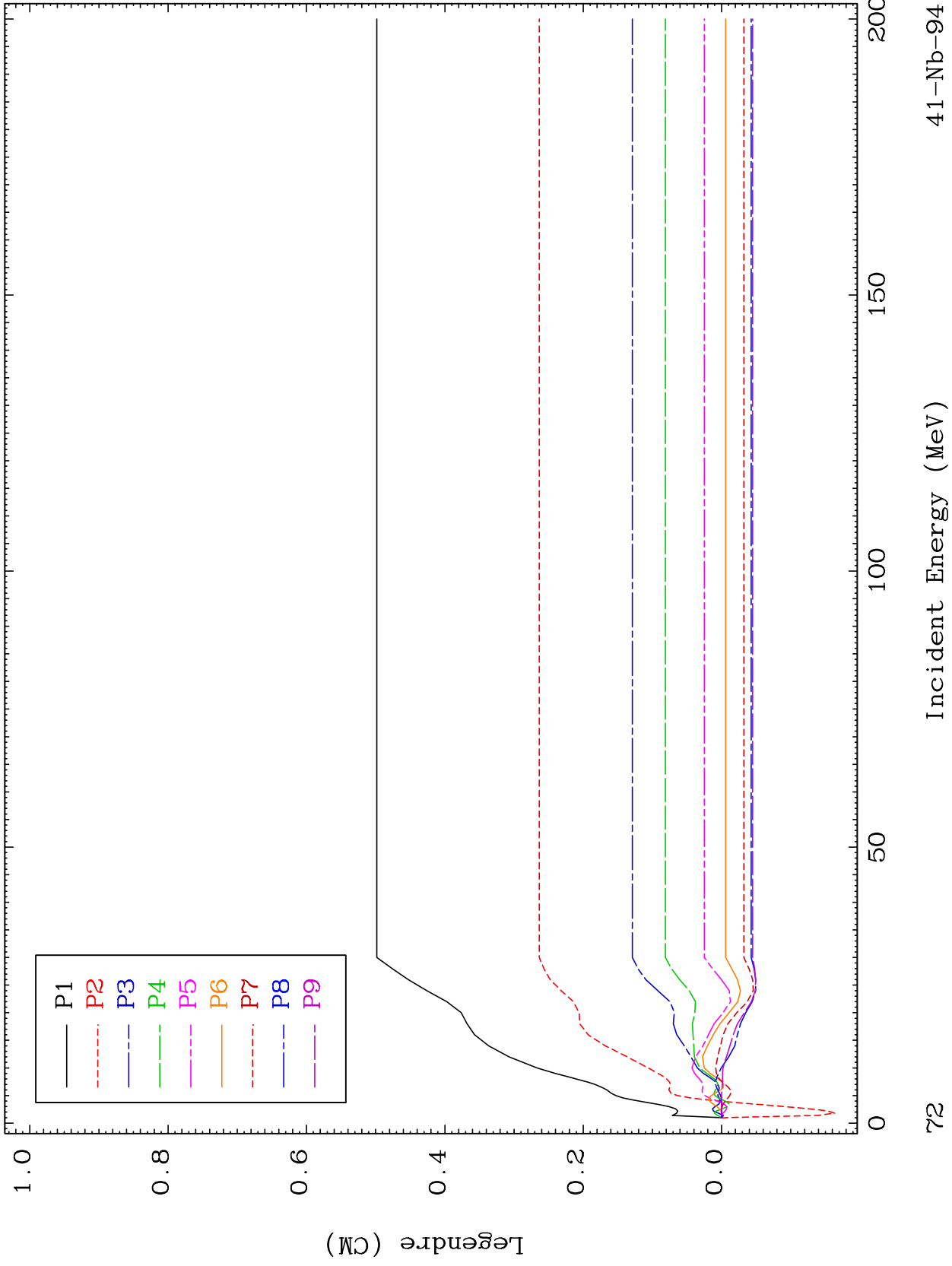
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94



72

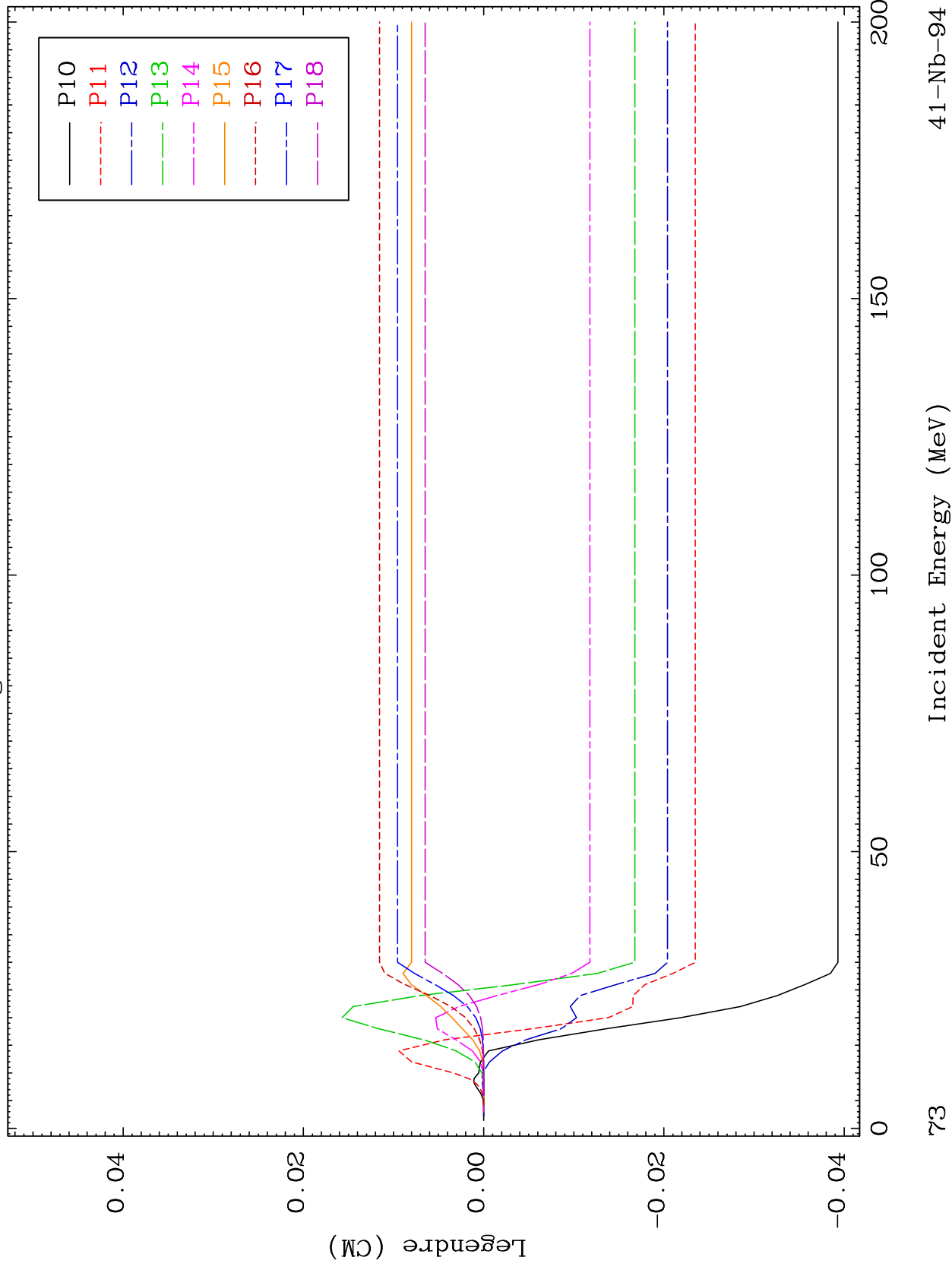
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94



73

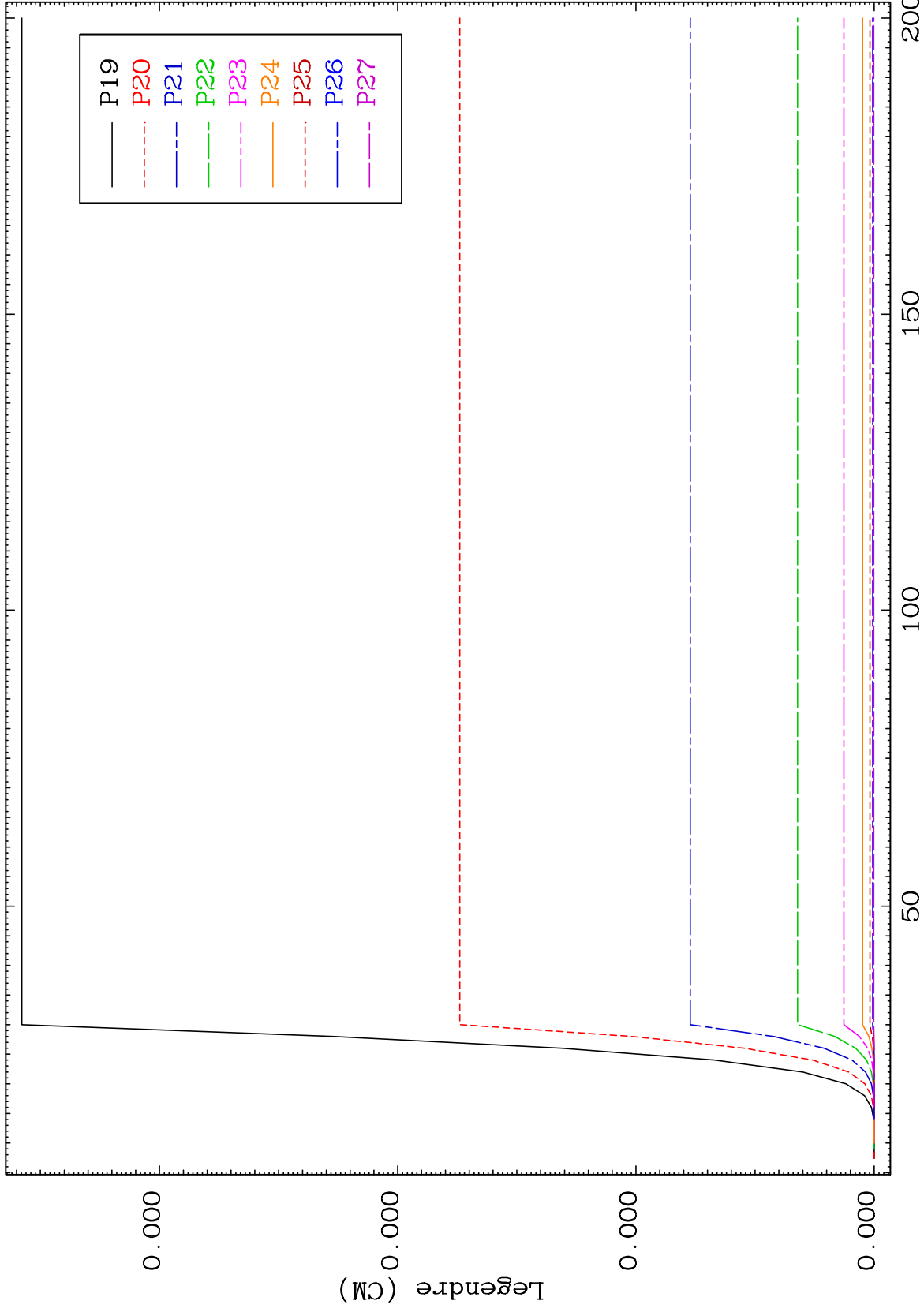
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94



74

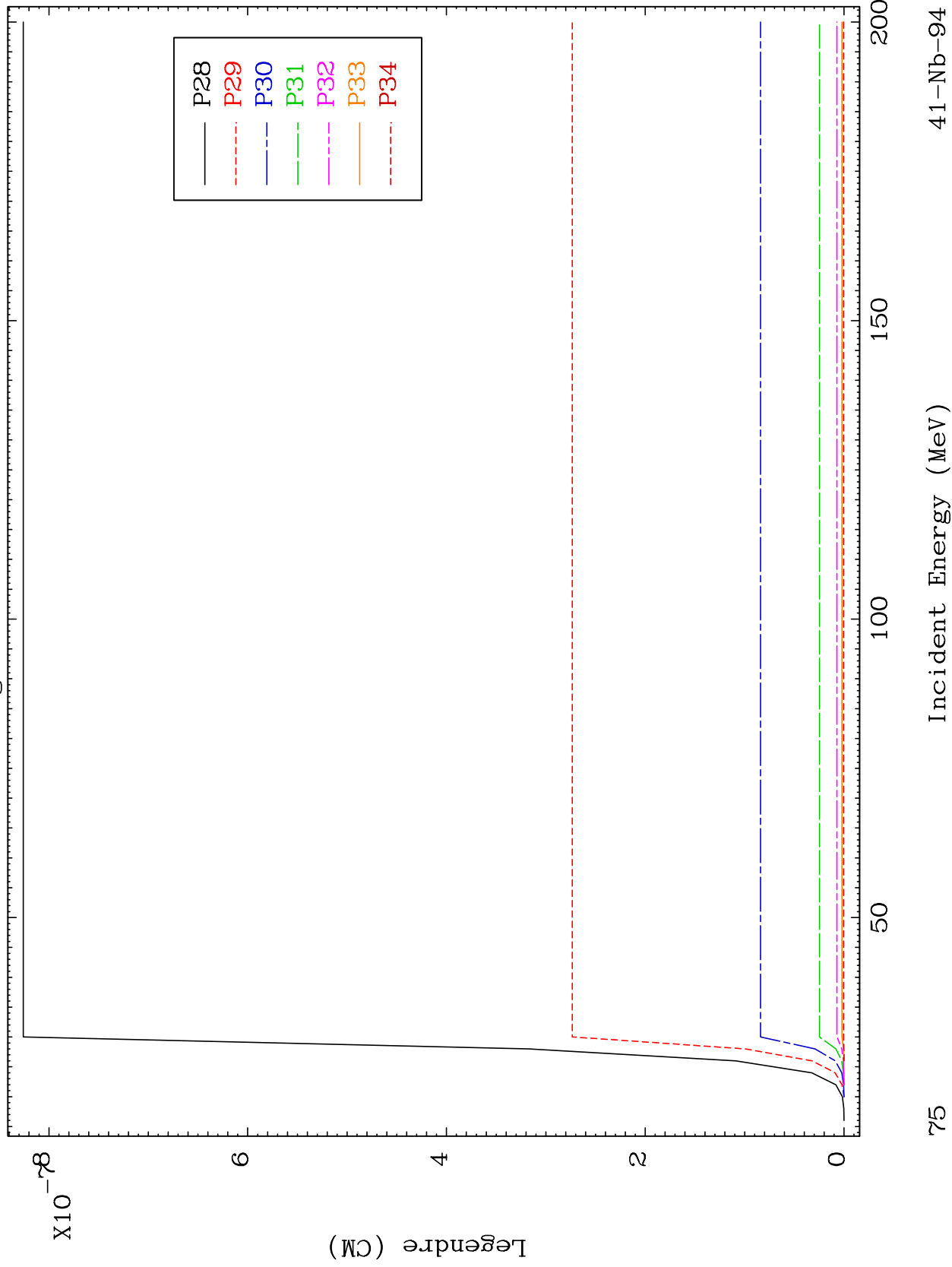
Incident Energy (MeV)

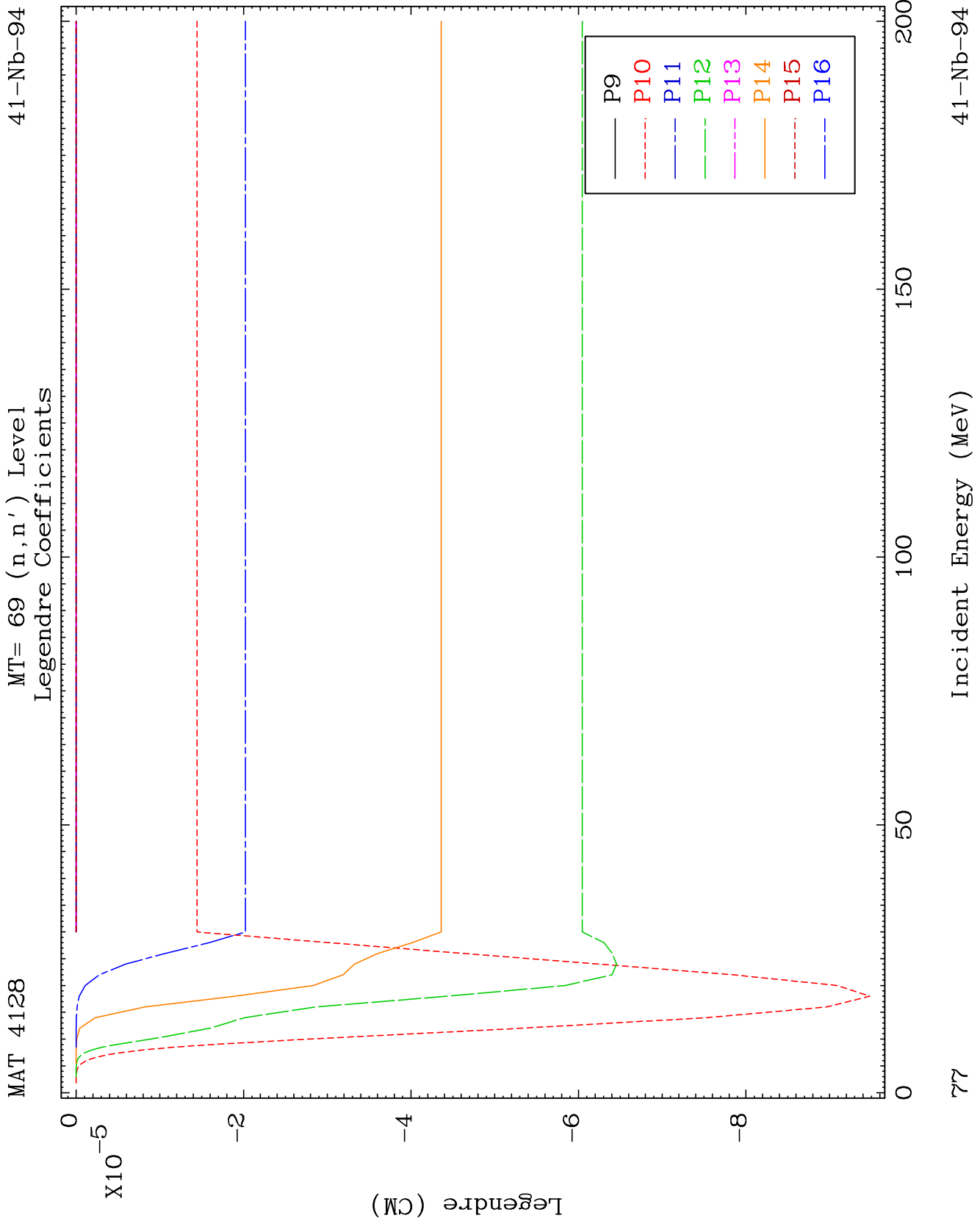
41-Nb-94

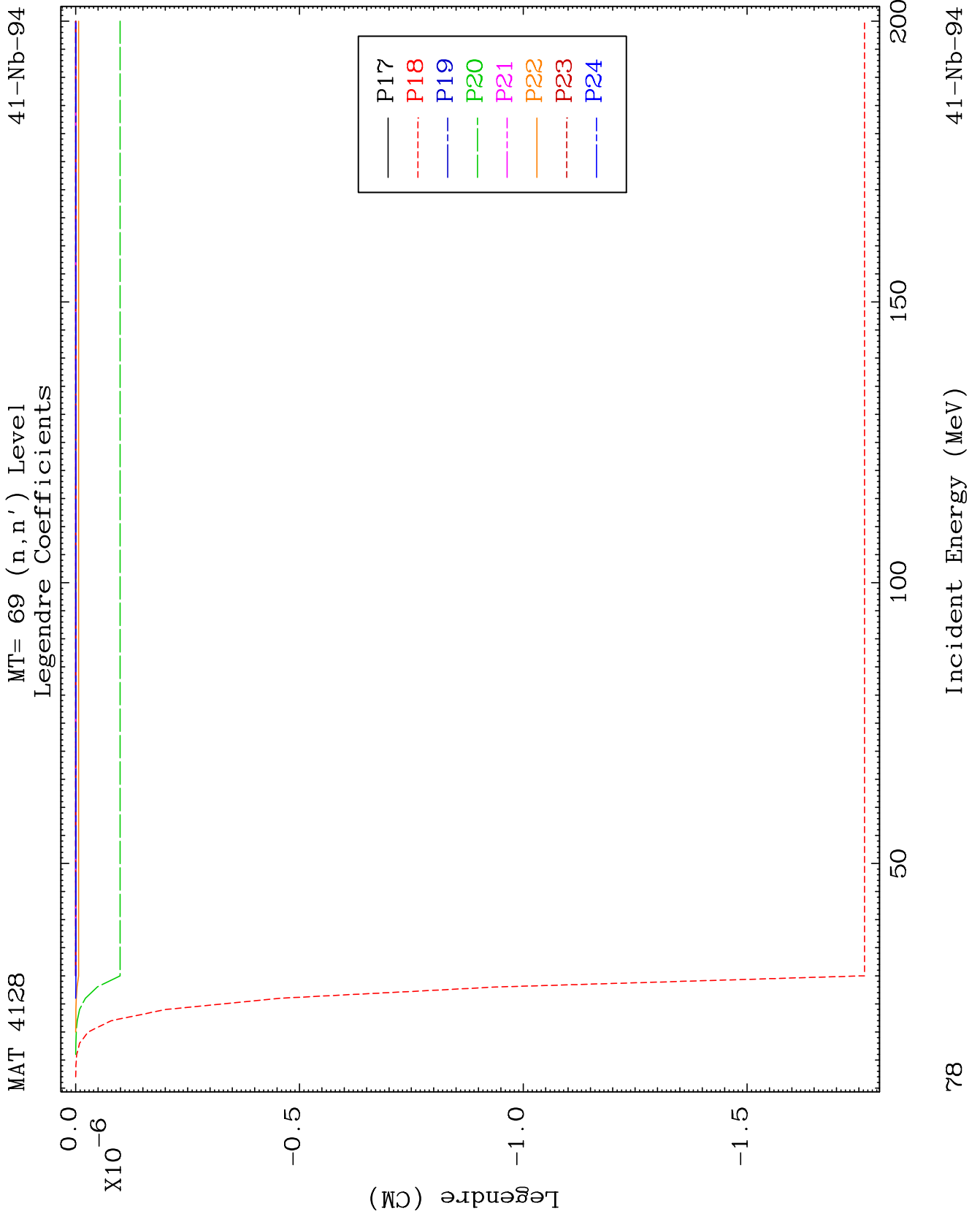
MAT 4128

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

41-Nb-94



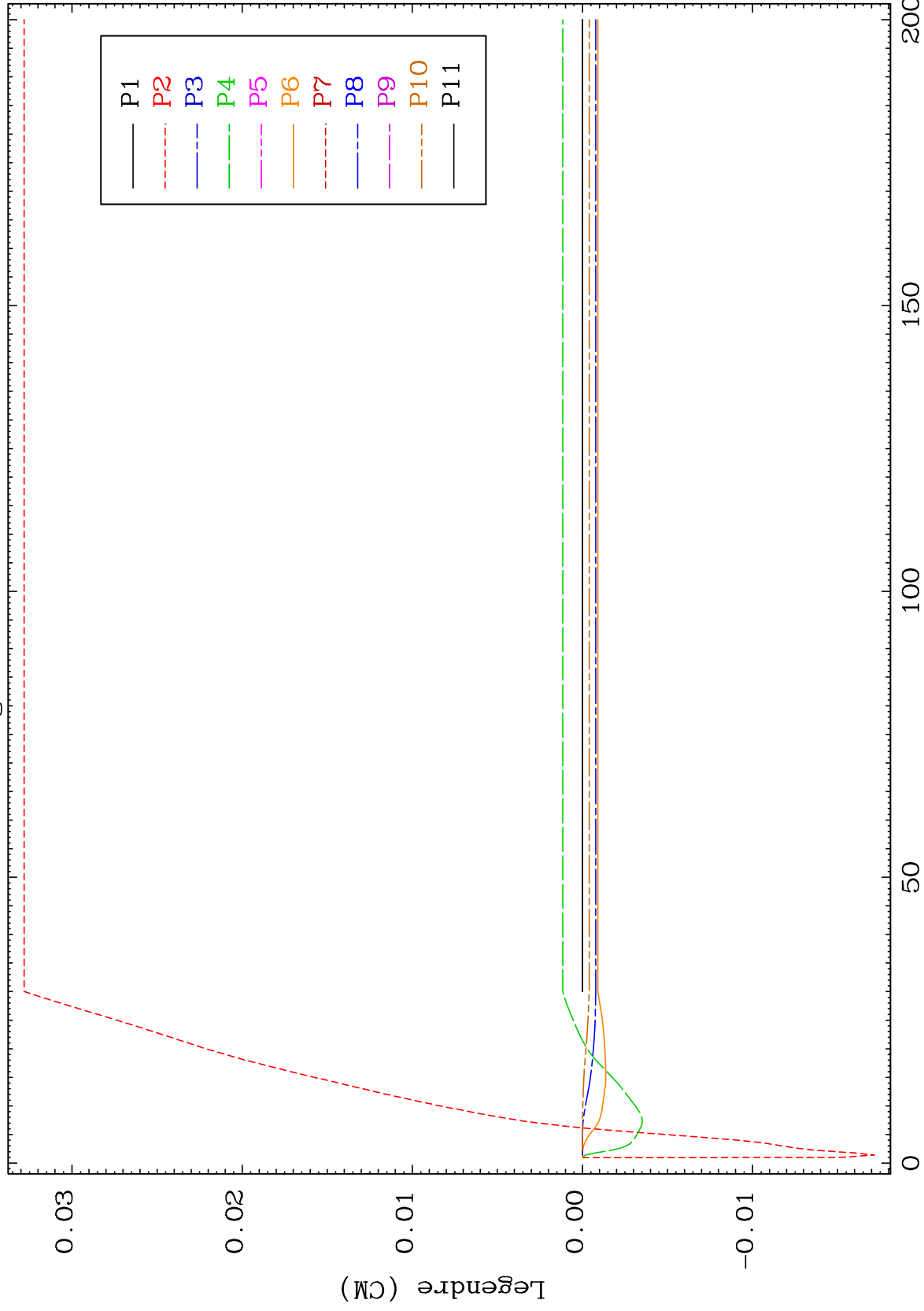




MAT 4128

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

41-Nb-94



79

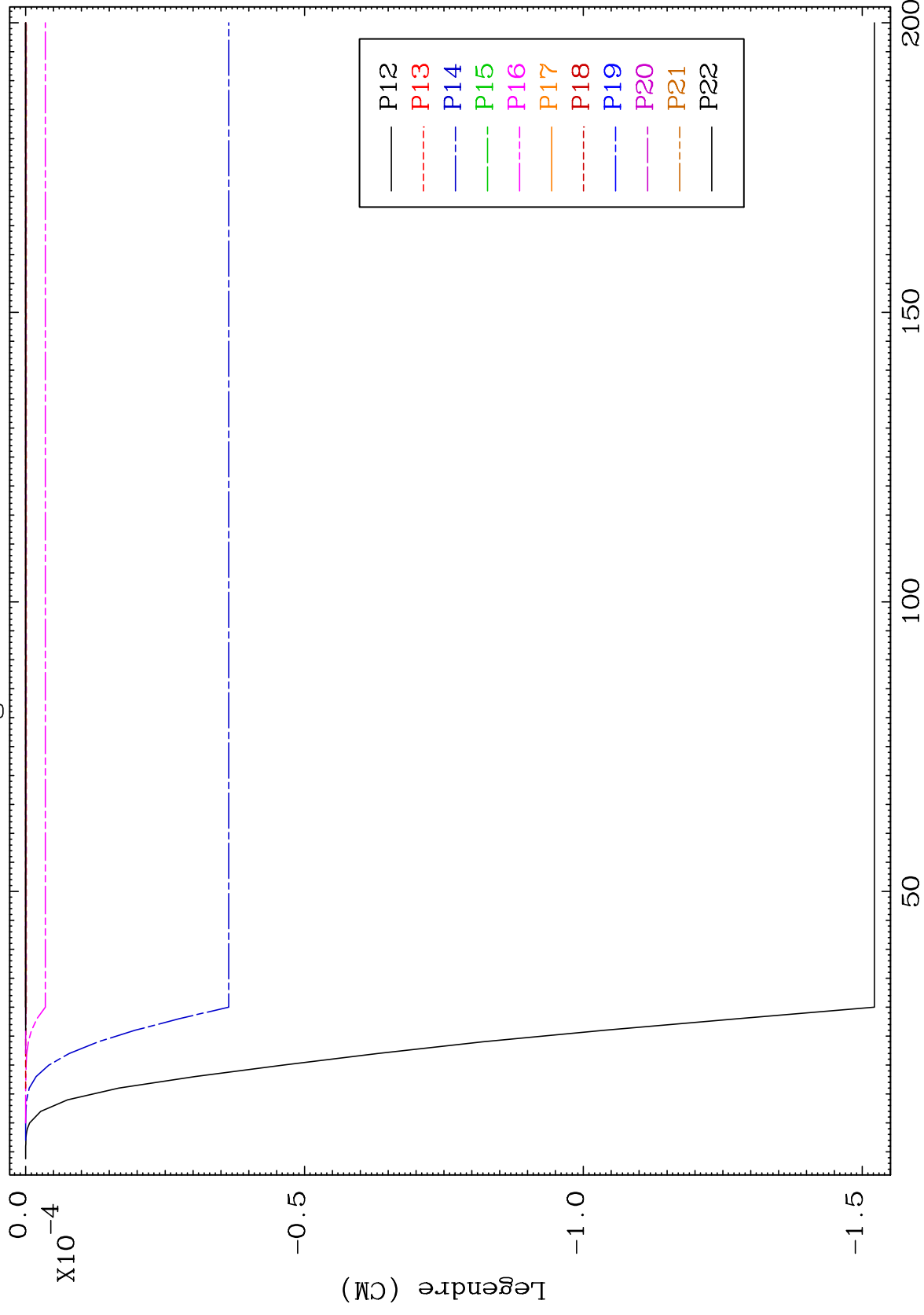
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94



80

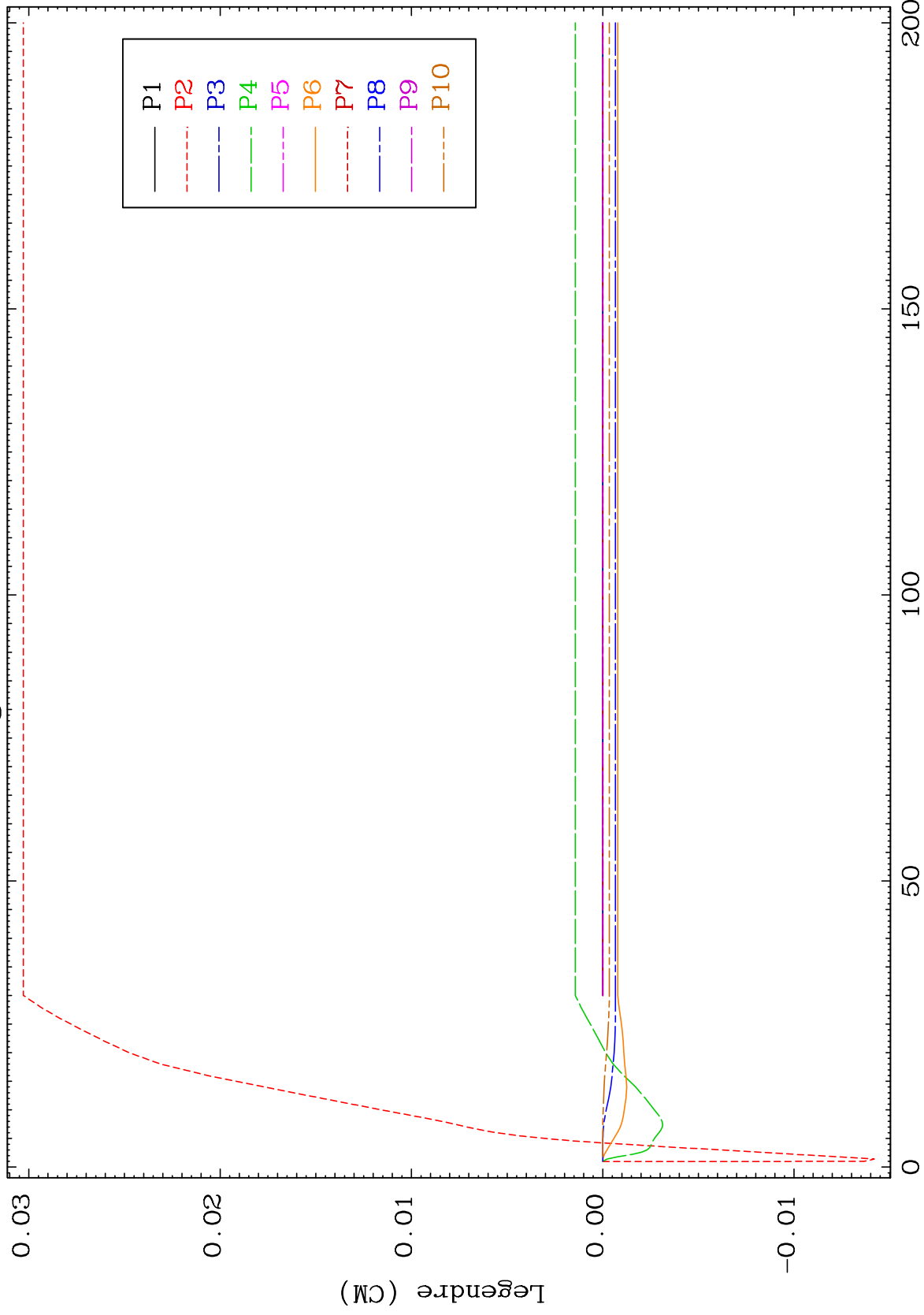
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94



81

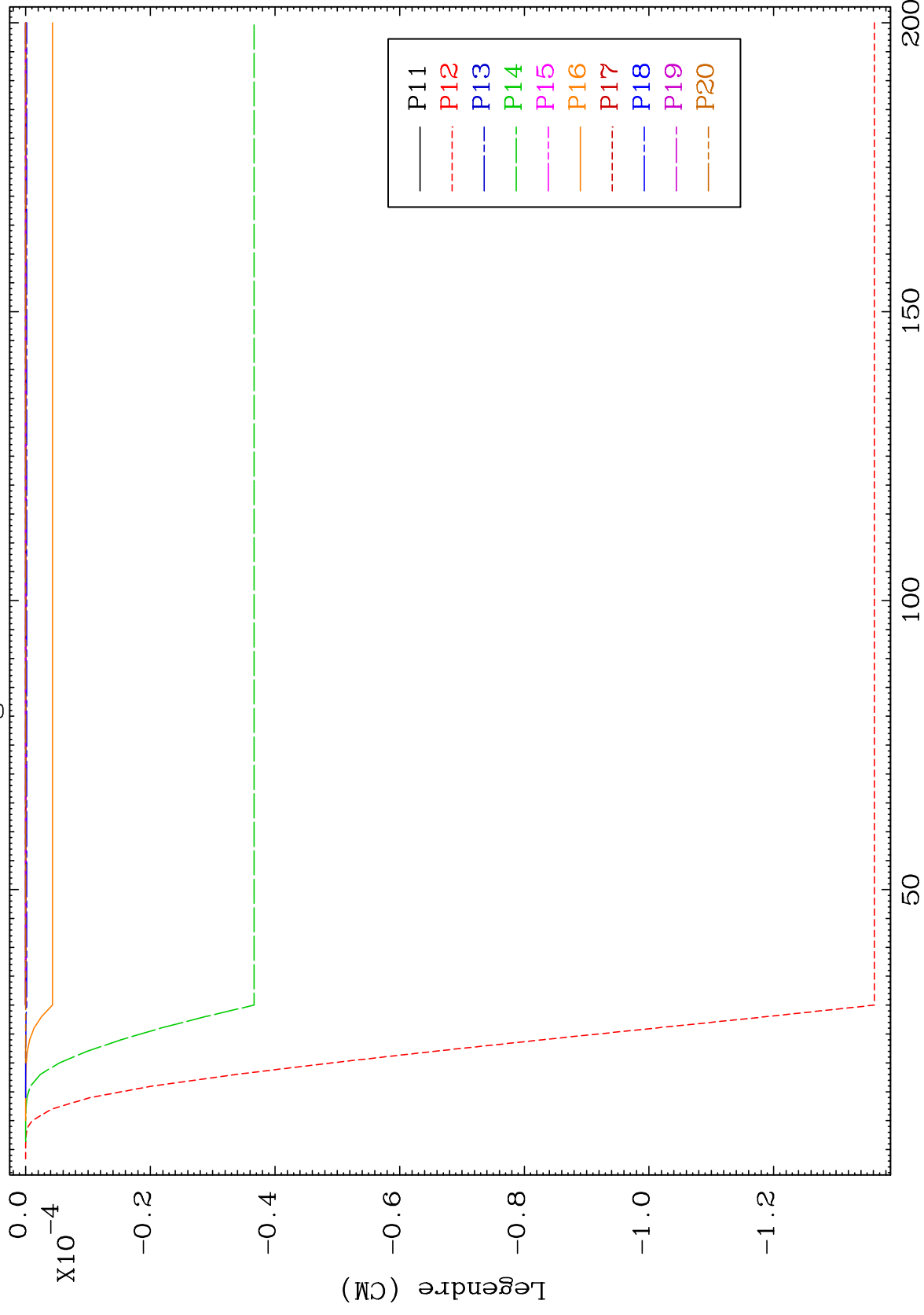
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94



82

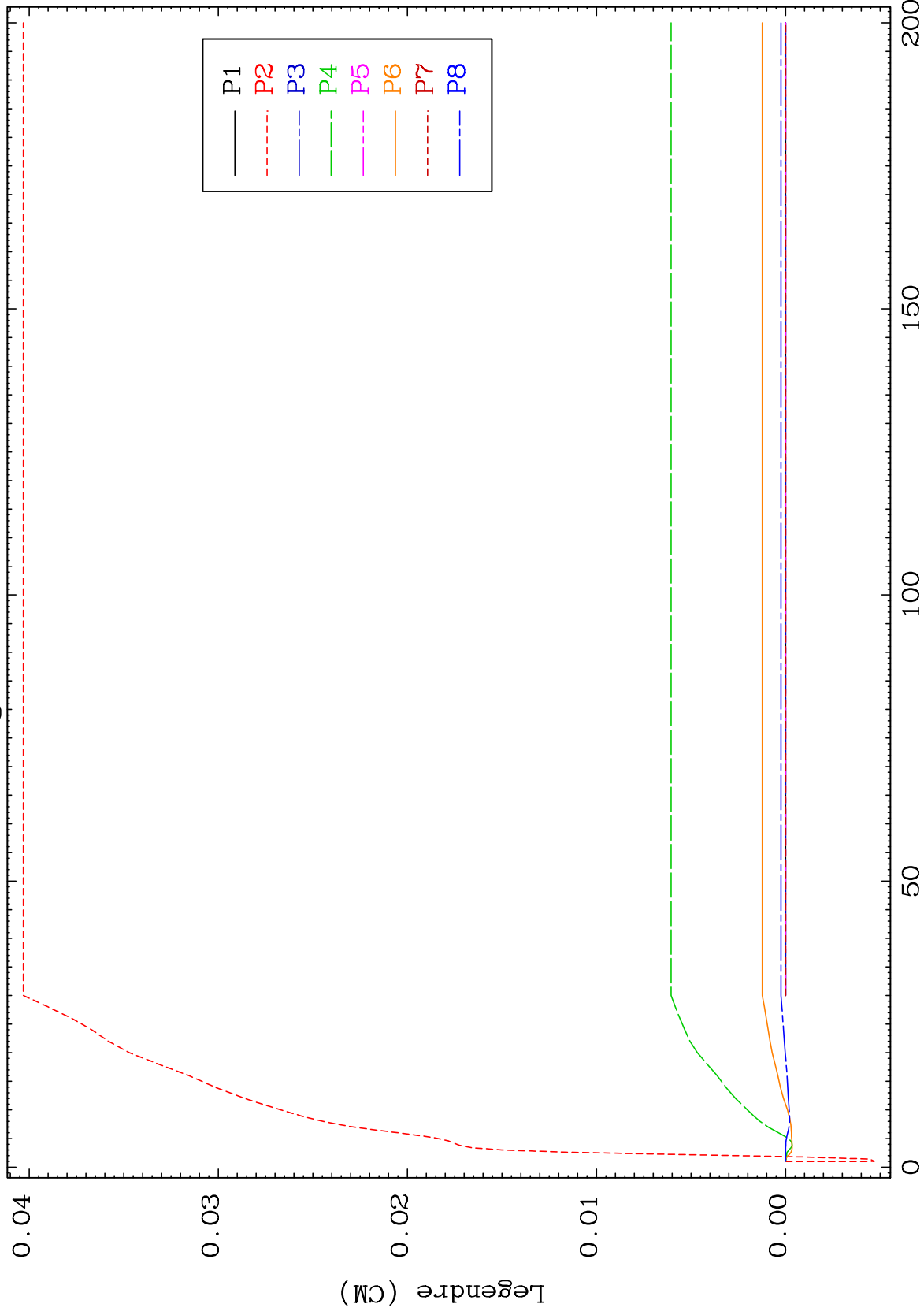
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94



83

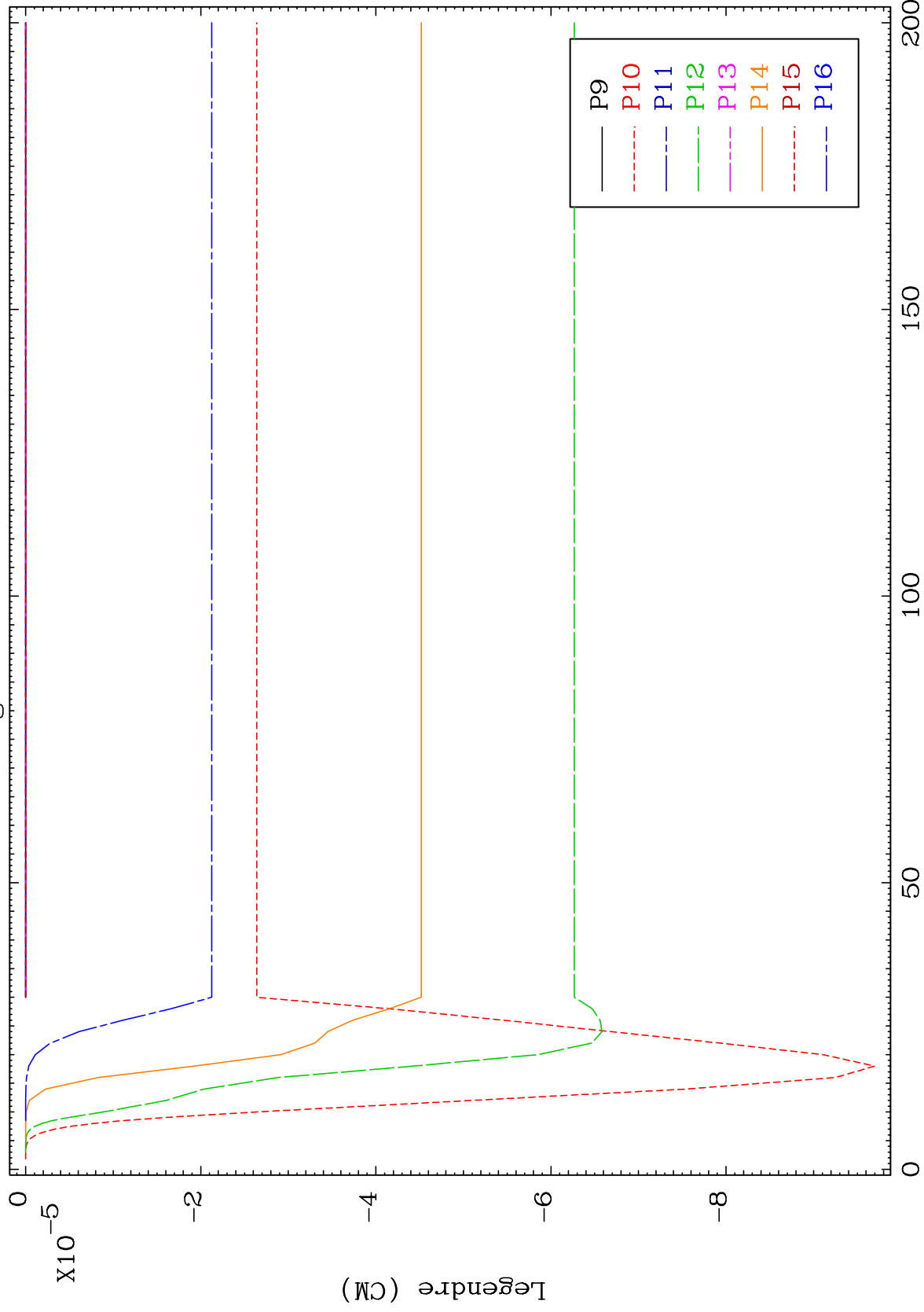
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

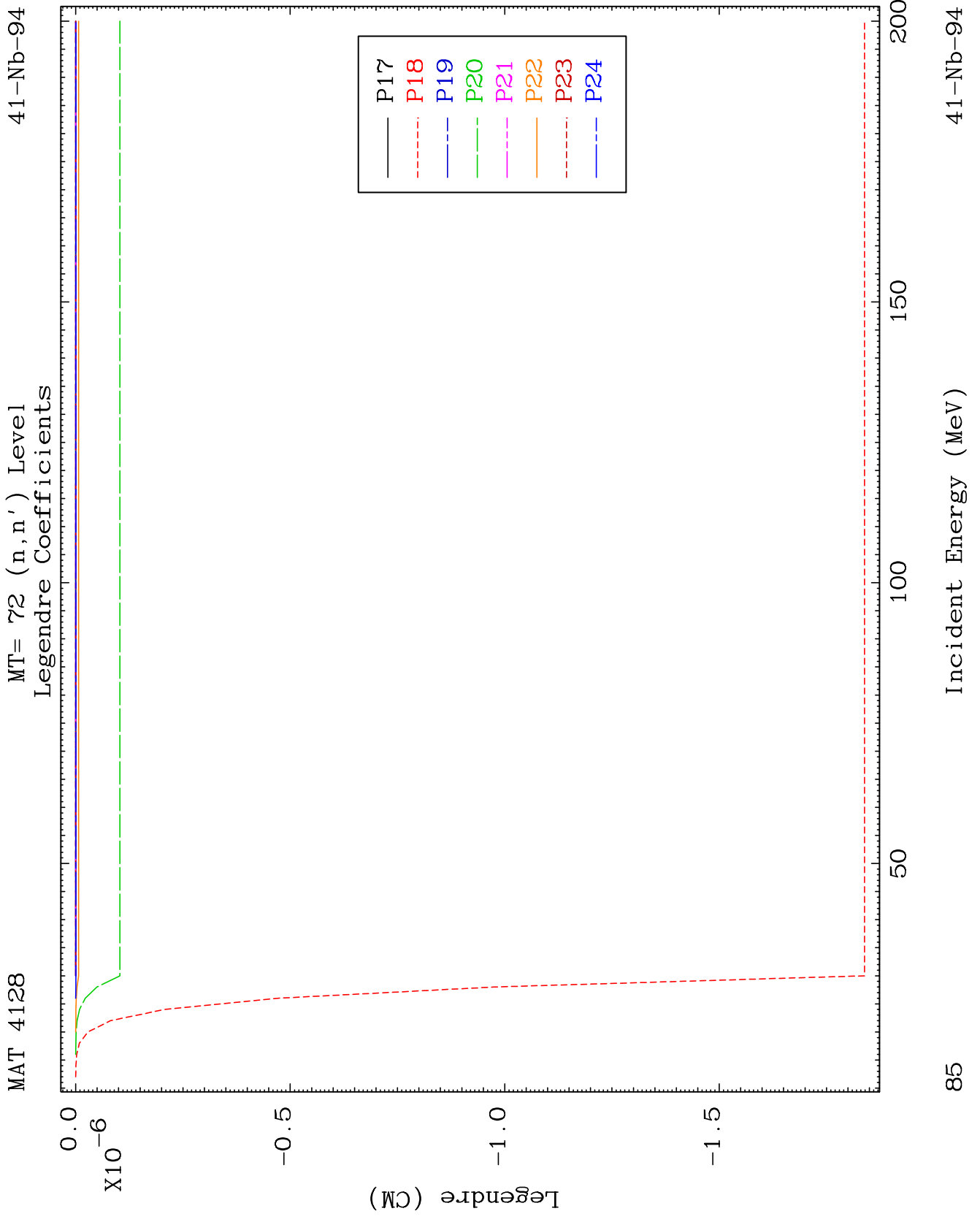
41-Nb-94



84

Incident Energy (MeV)

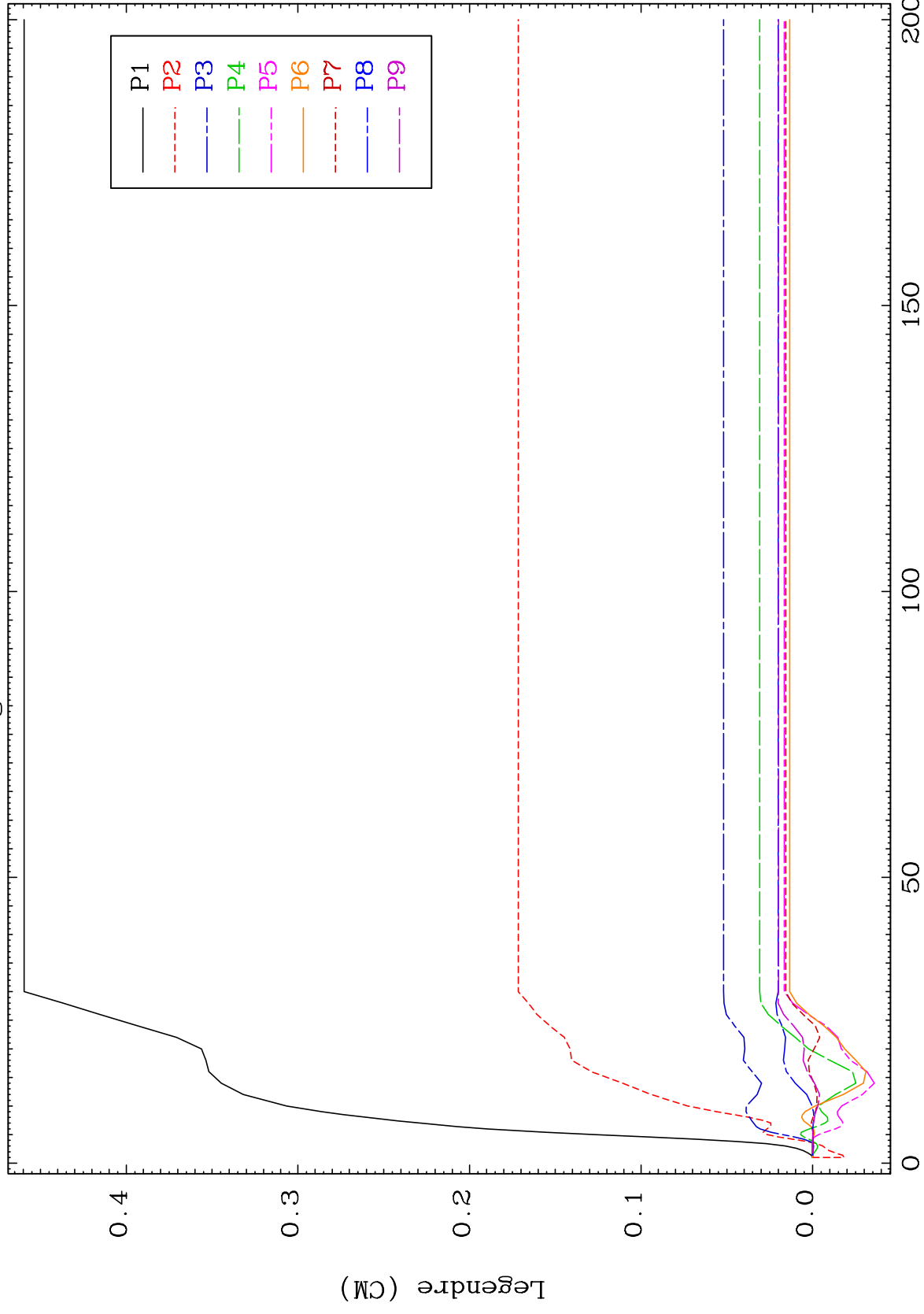
41-Nb-94



MAT 4128

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

41-Nb-94



86

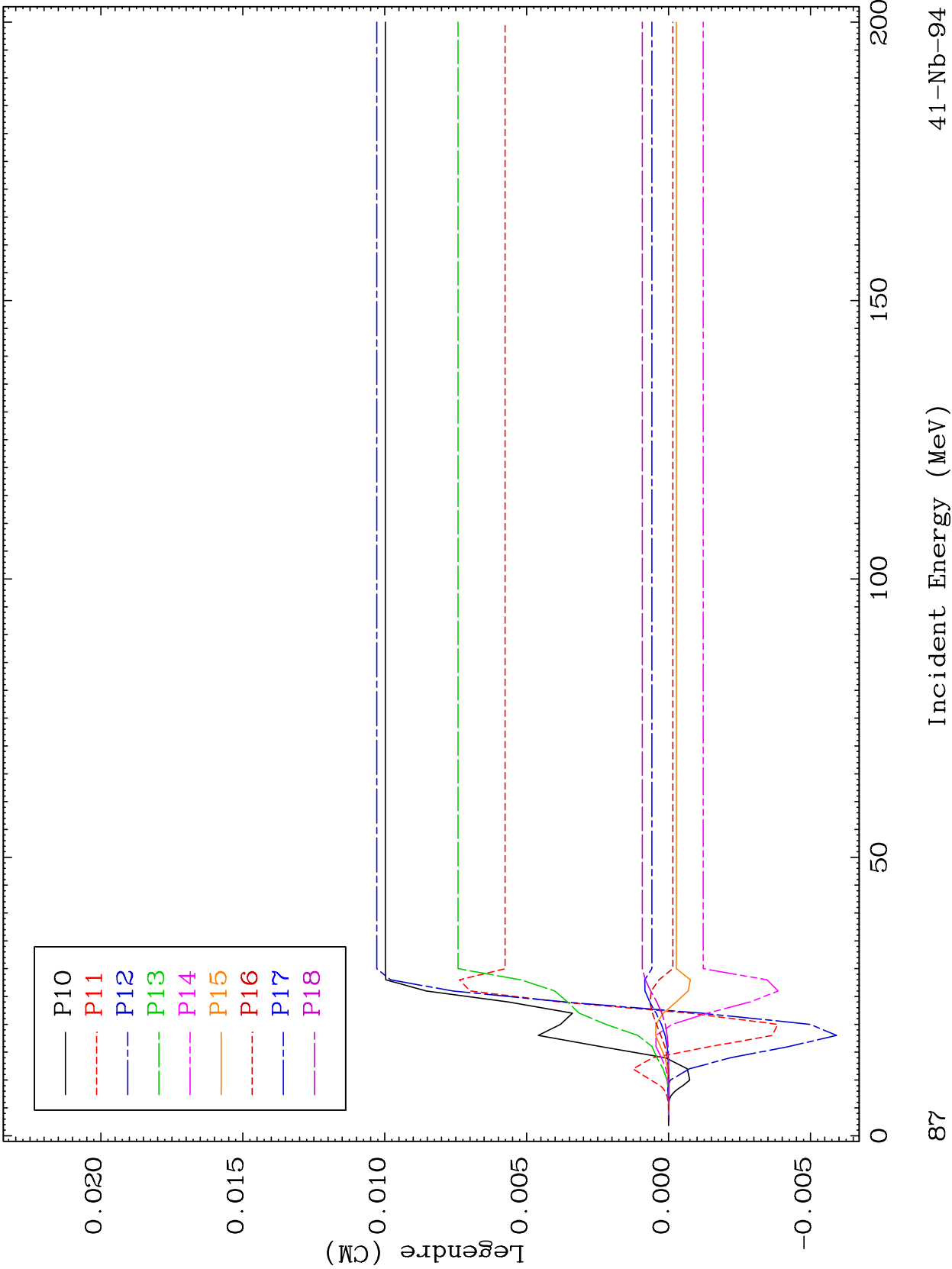
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94



87

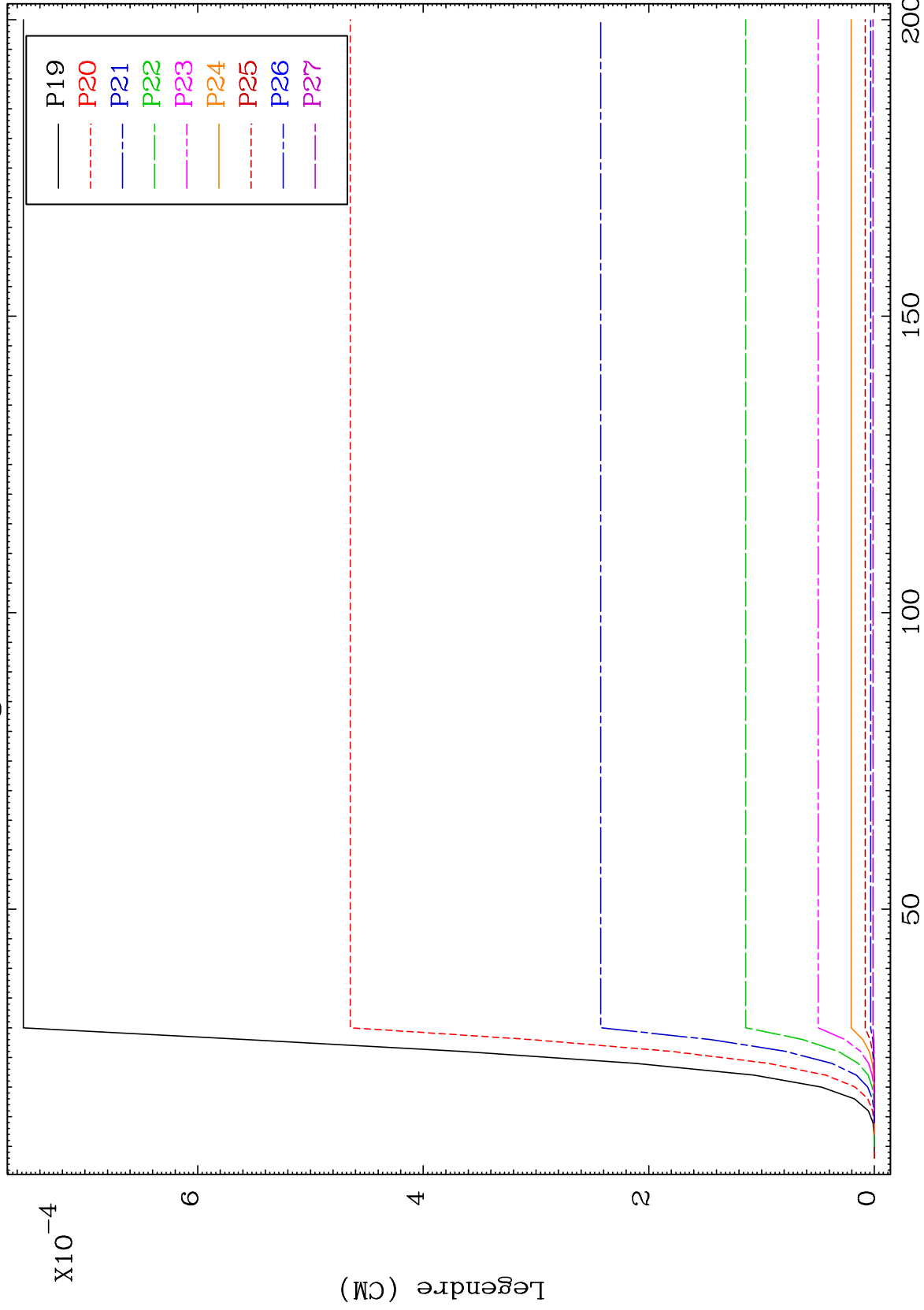
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94



88

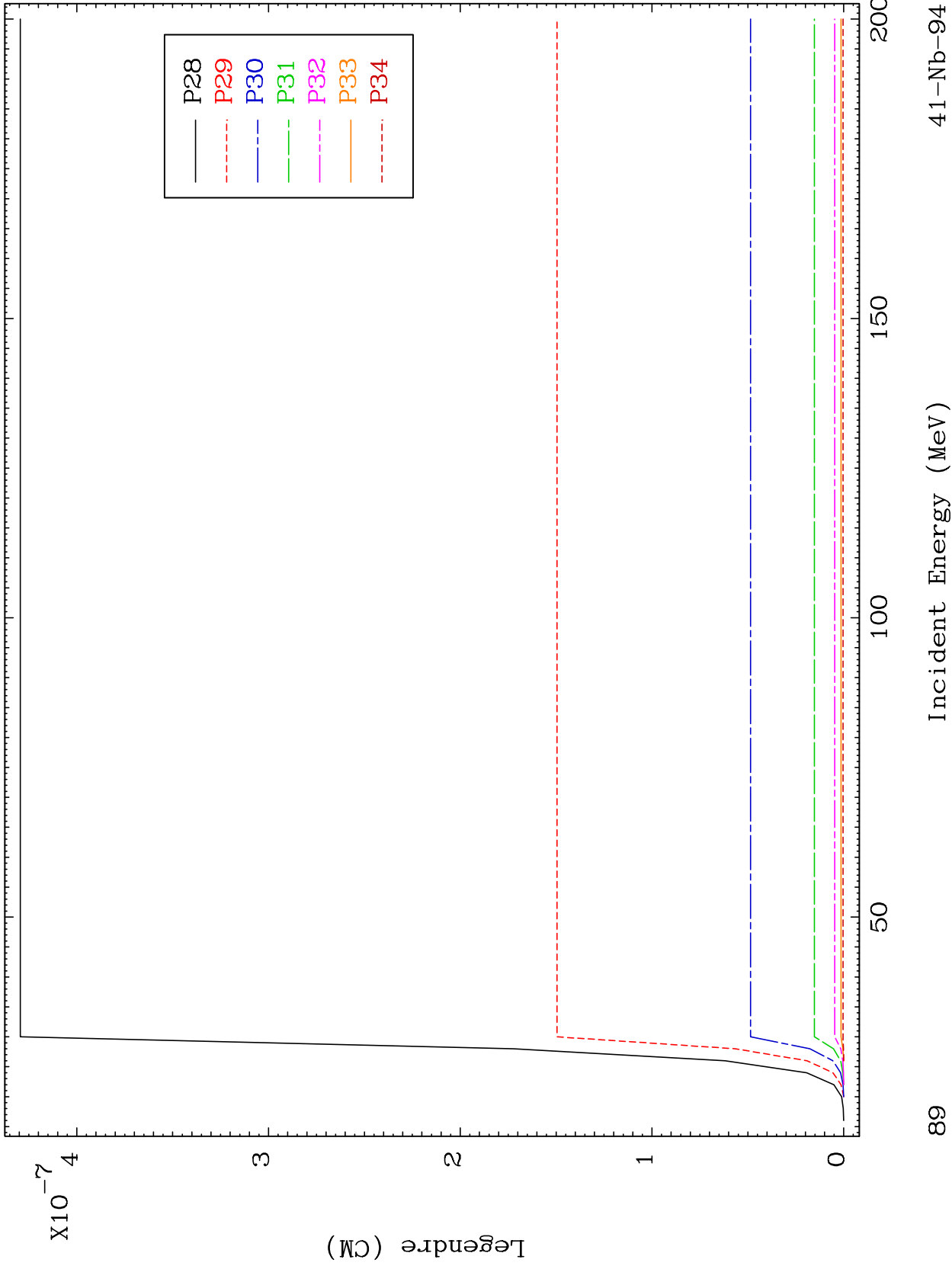
Incident Energy (MeV)

41-Nb-94

MAT 4128

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

41-Nb-94

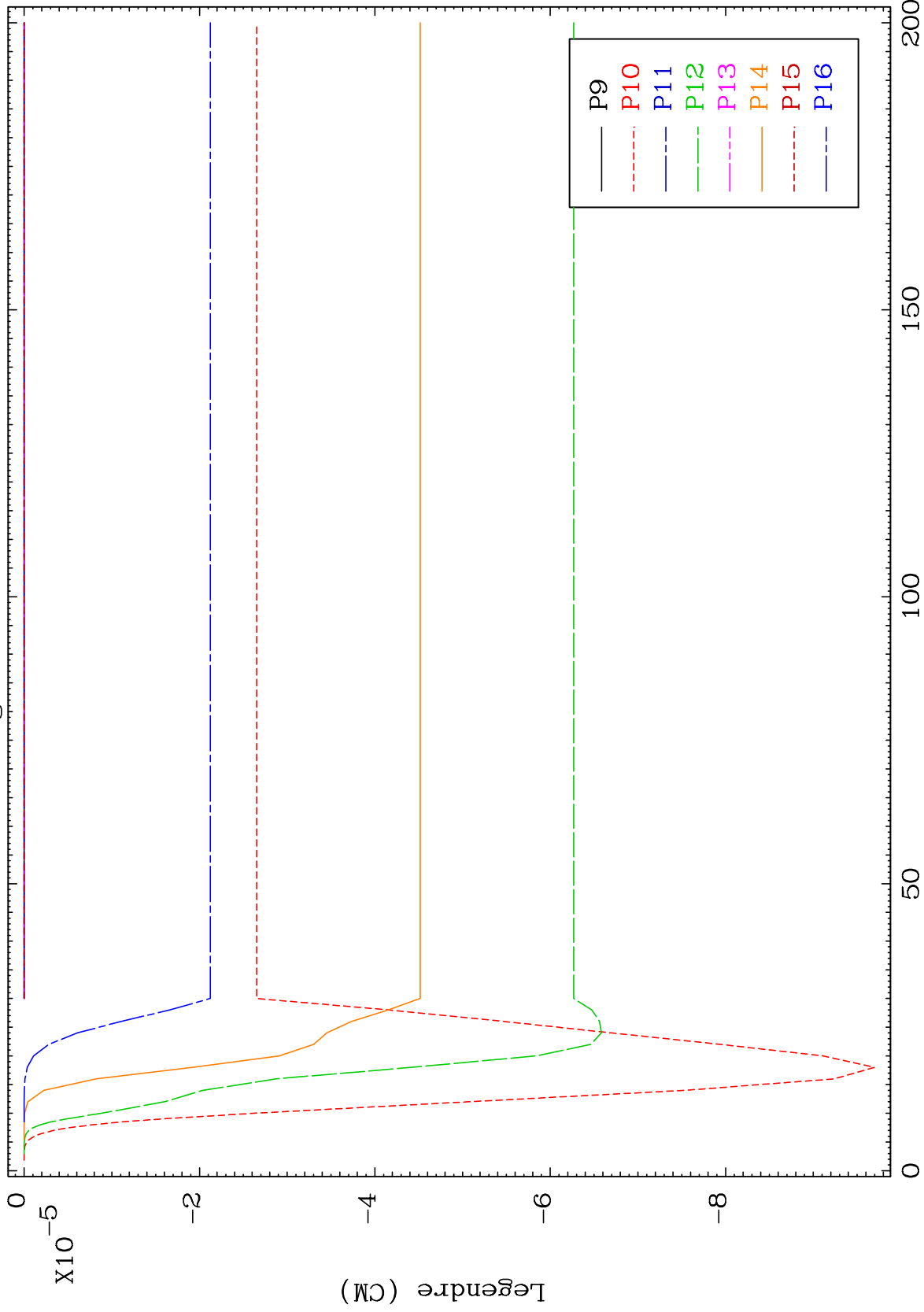


89

MAT 4128

MT= 74 (n,n') Level
Legendre Coefficients

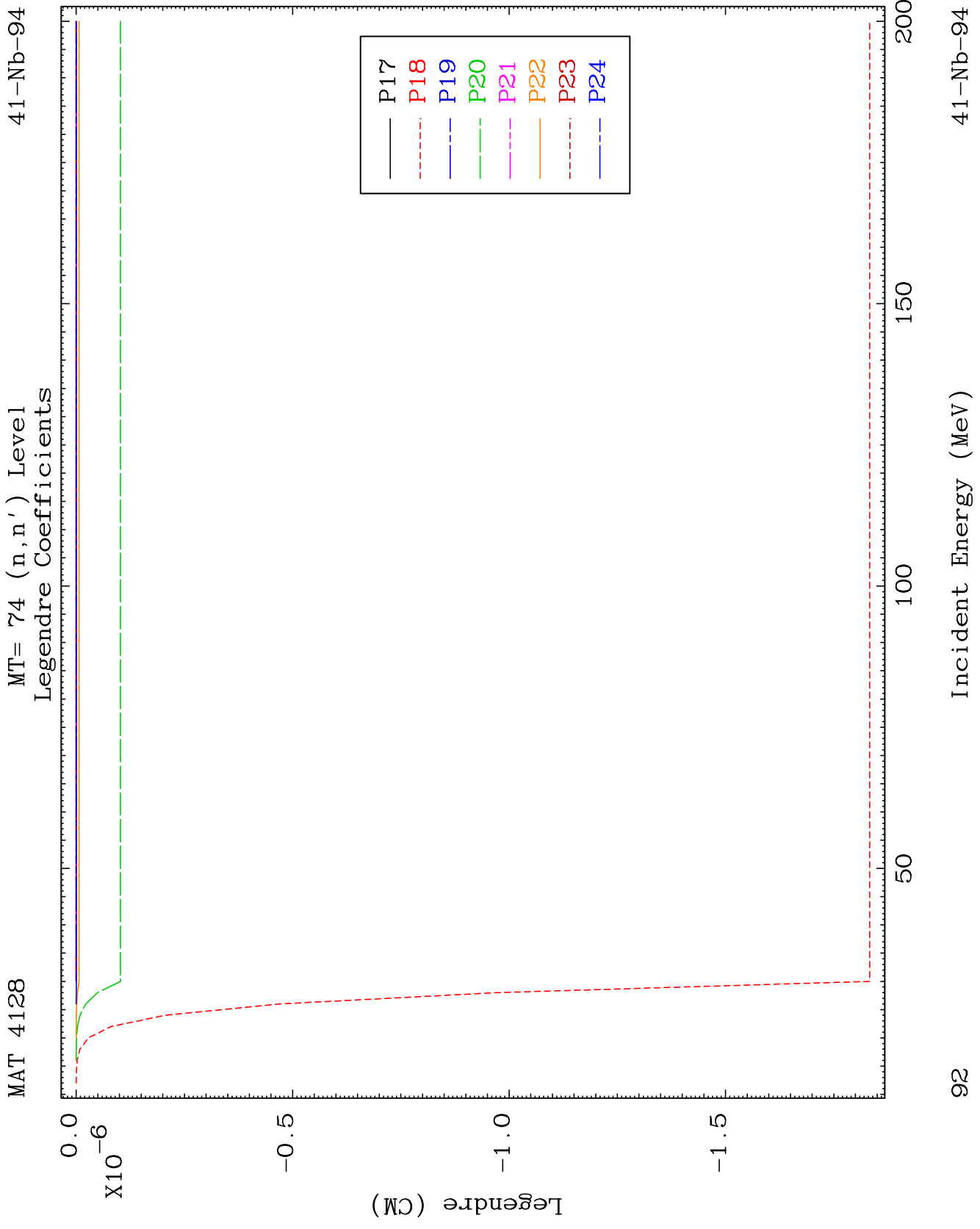
41-Nb-94

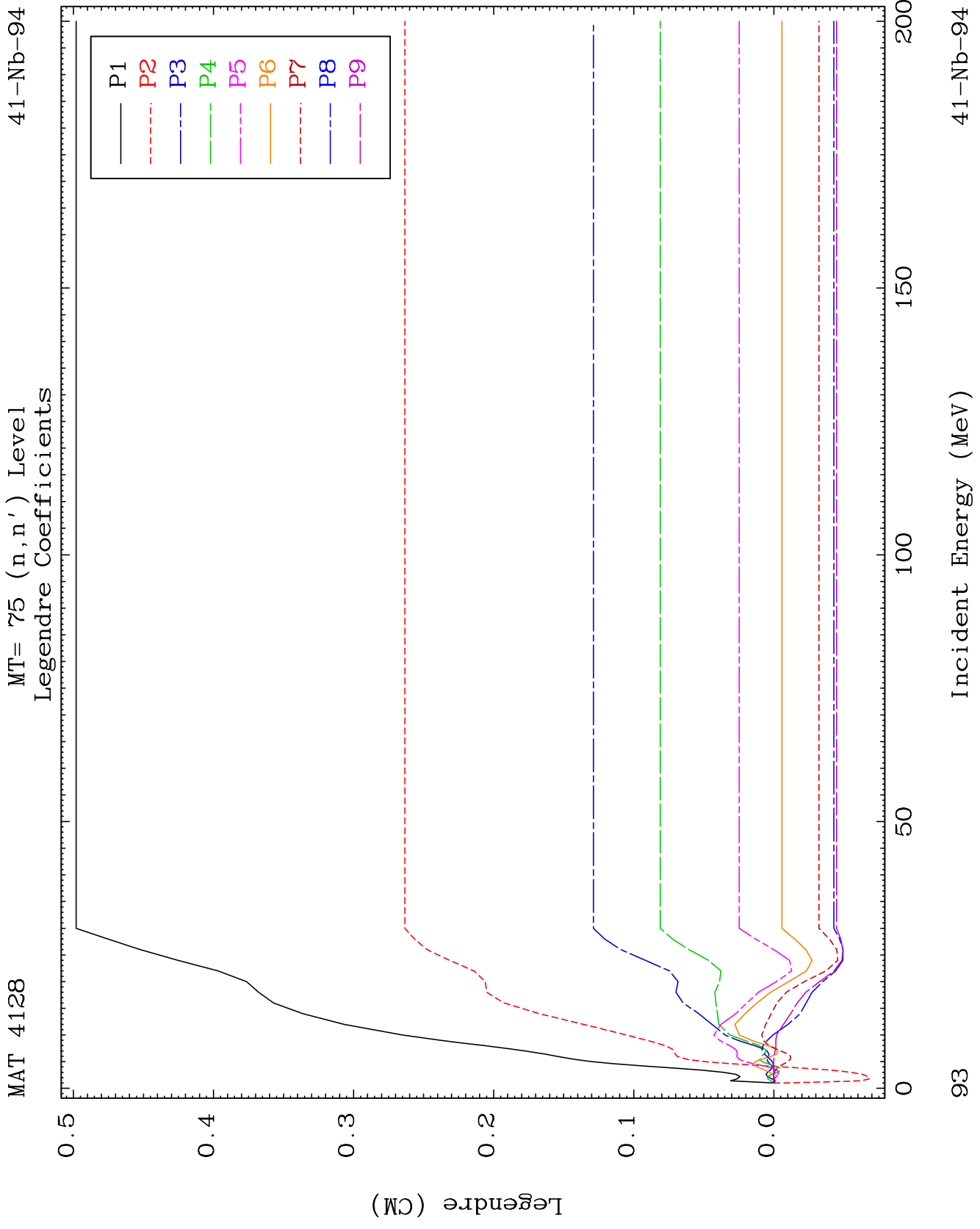


91

Incident Energy (MeV)

41-Nb-94

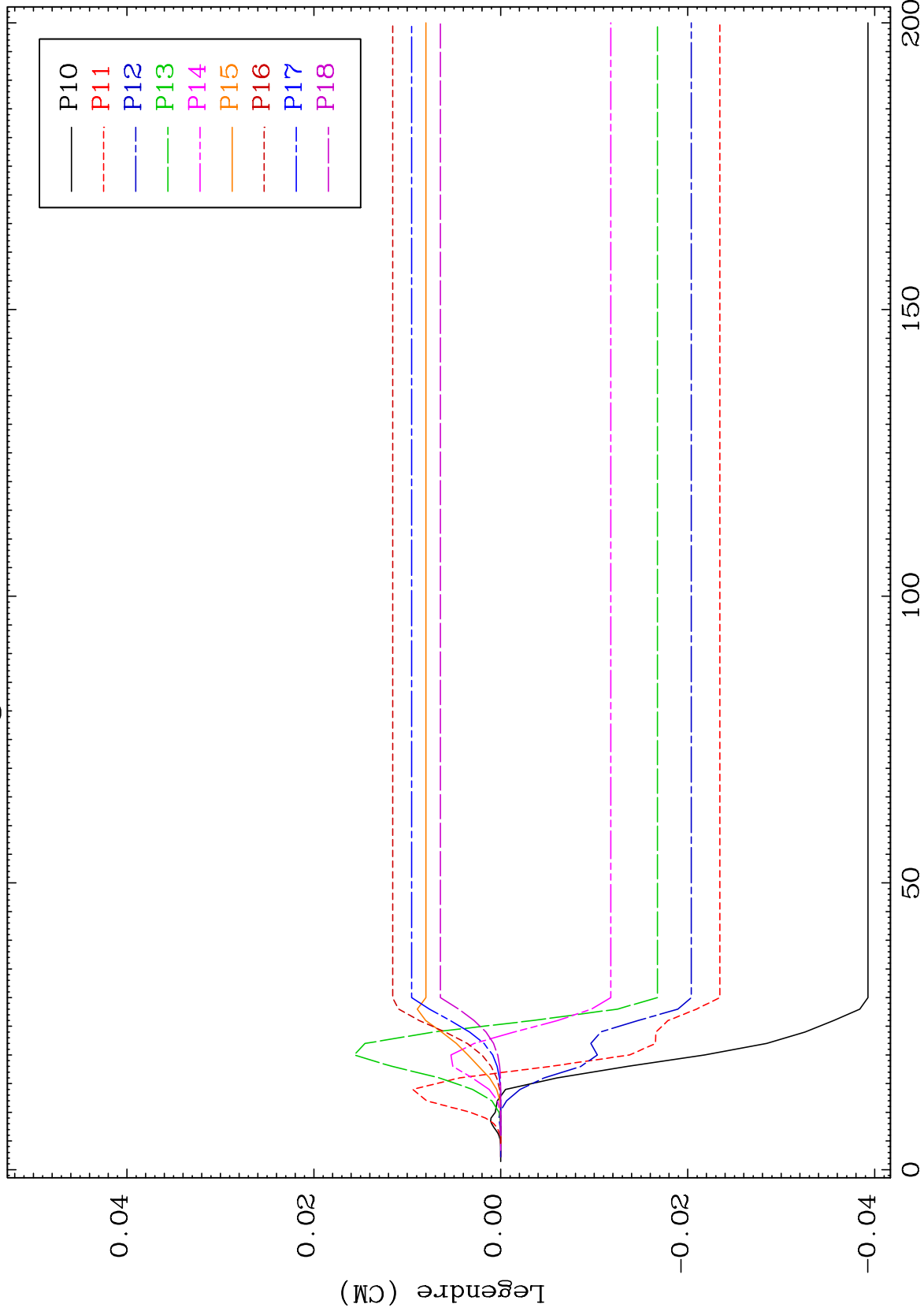




MAT 4128

MT= 75 (n,n') Level
Legendre Coefficients

41-Nb-94



94

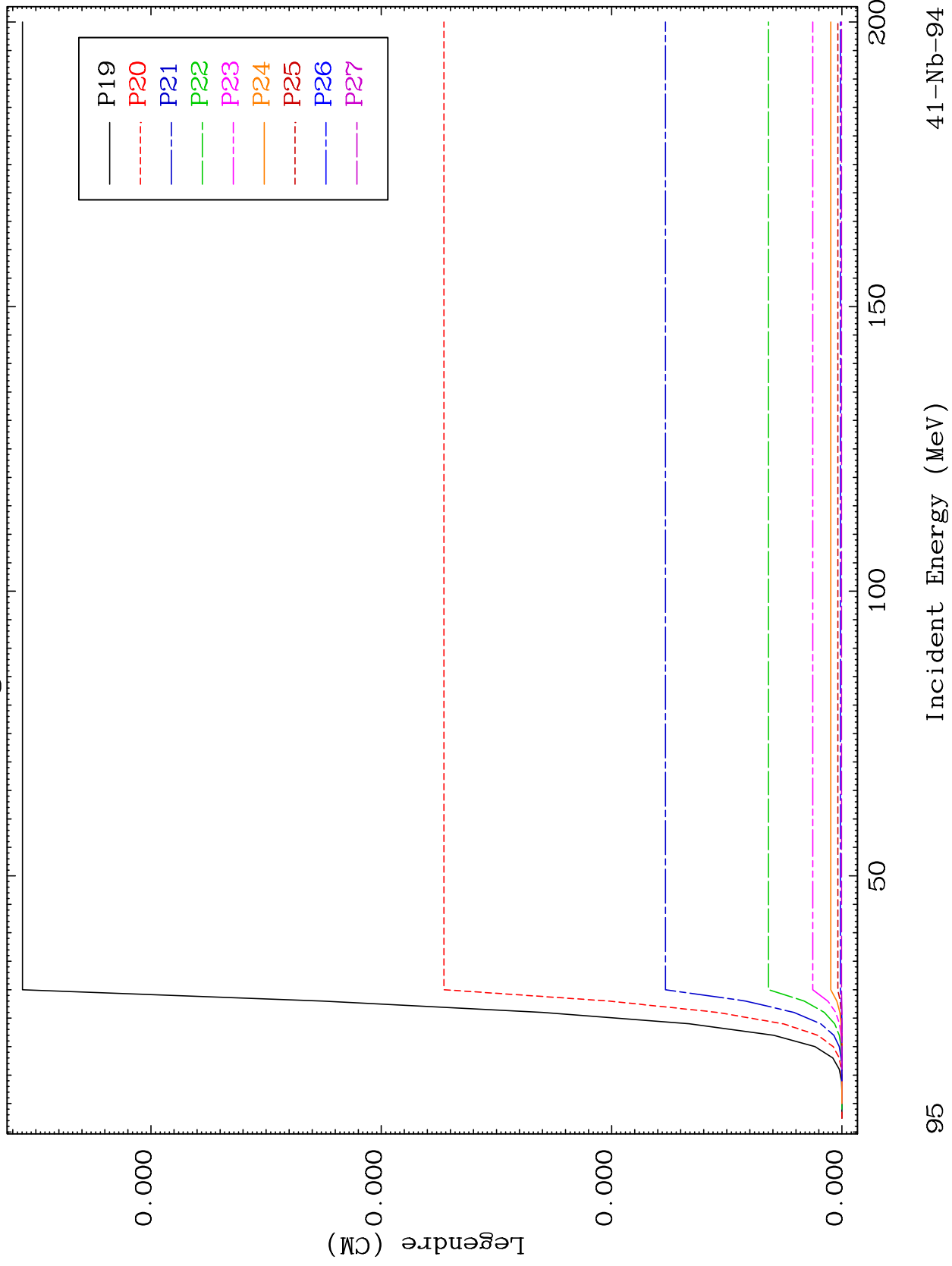
Incident Energy (MeV)

41-Nb-94

MAT 4128

MT= 75 (n,n') Level
Legendre Coefficients

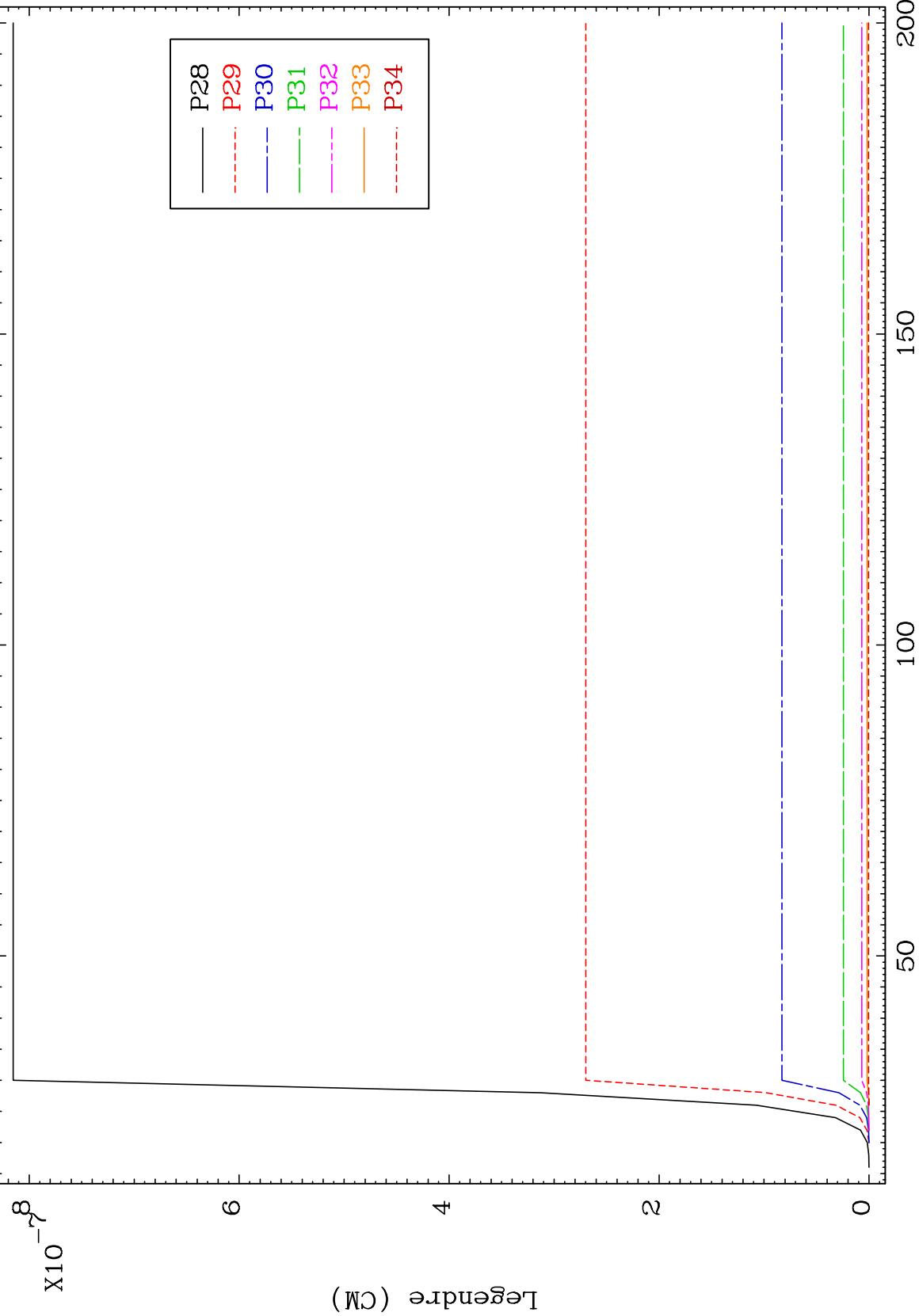
41-Nb-94



MAT 4128

MT= 75 (n,n') Level
Legendre Coefficients

41-Nb-94



96

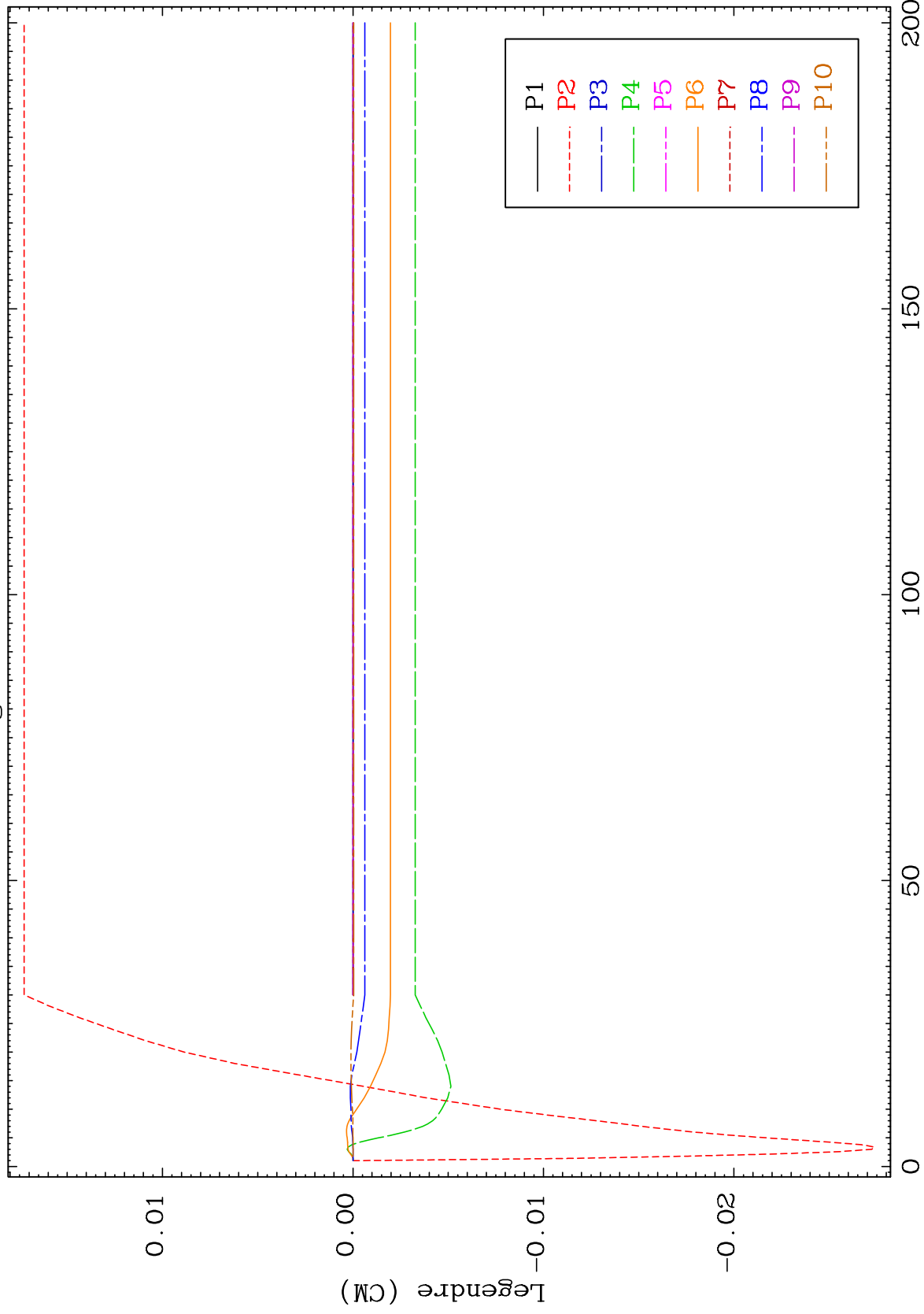
Incident Energy (MeV)

41-Nb-94

MAT 4128

MT= 76 (n,n') Level
Legendre Coefficients

41-Nb-94



97

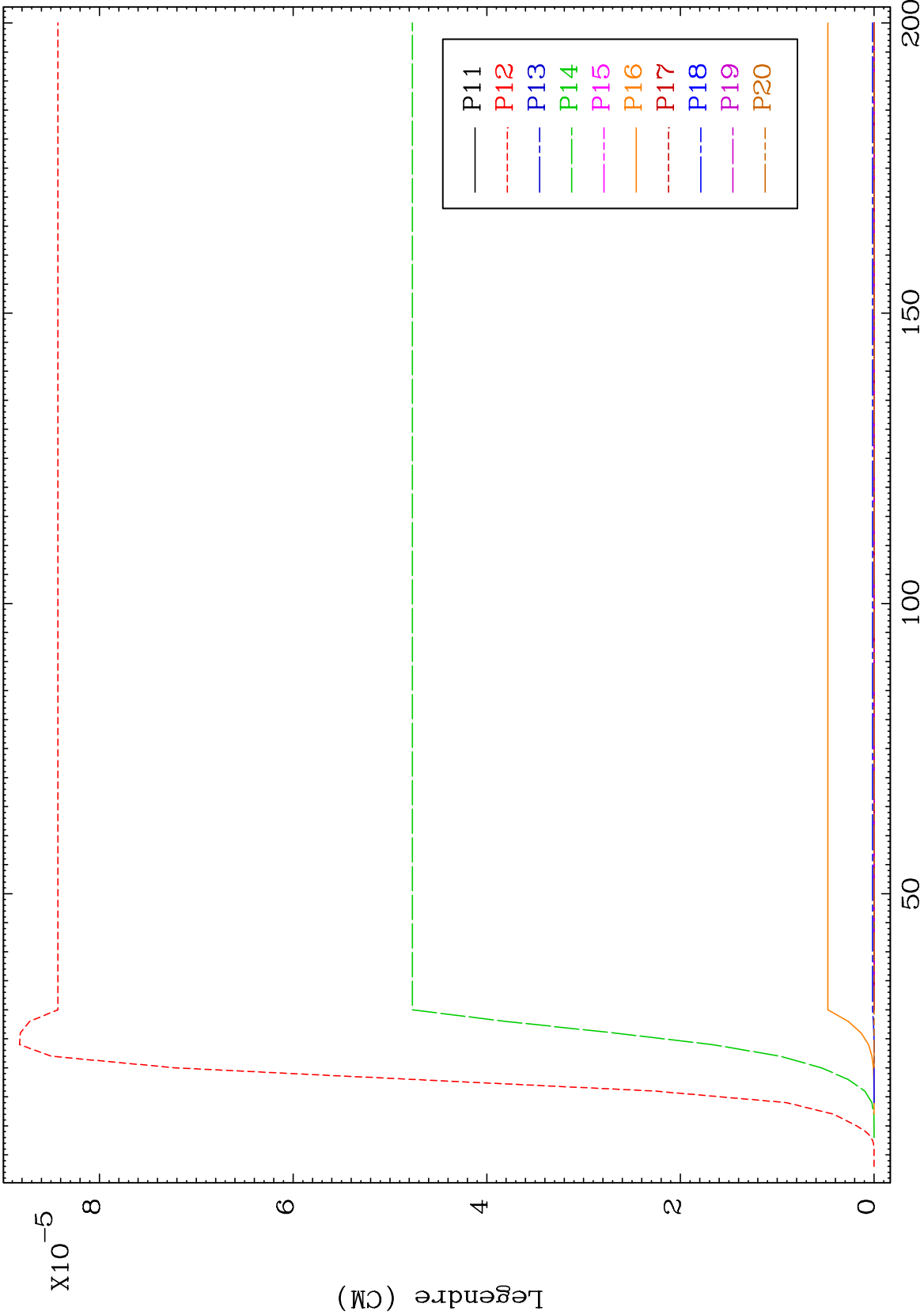
Incident Energy (MeV)

41-Nb-94

MAT 4128

MT= 76 (n,n') Level
Legendre Coefficients

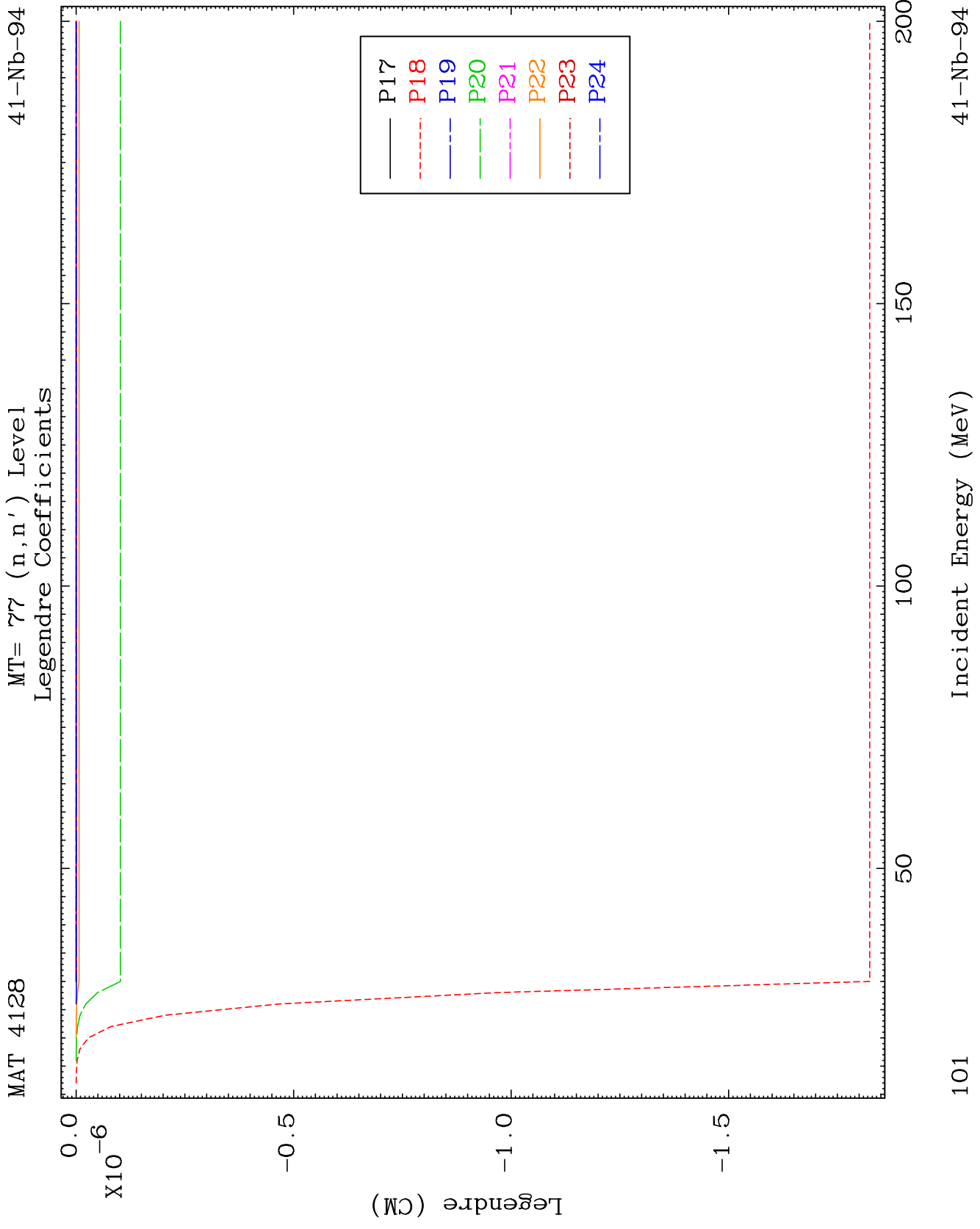
41-Nb-94



98

Incident Energy (MeV)

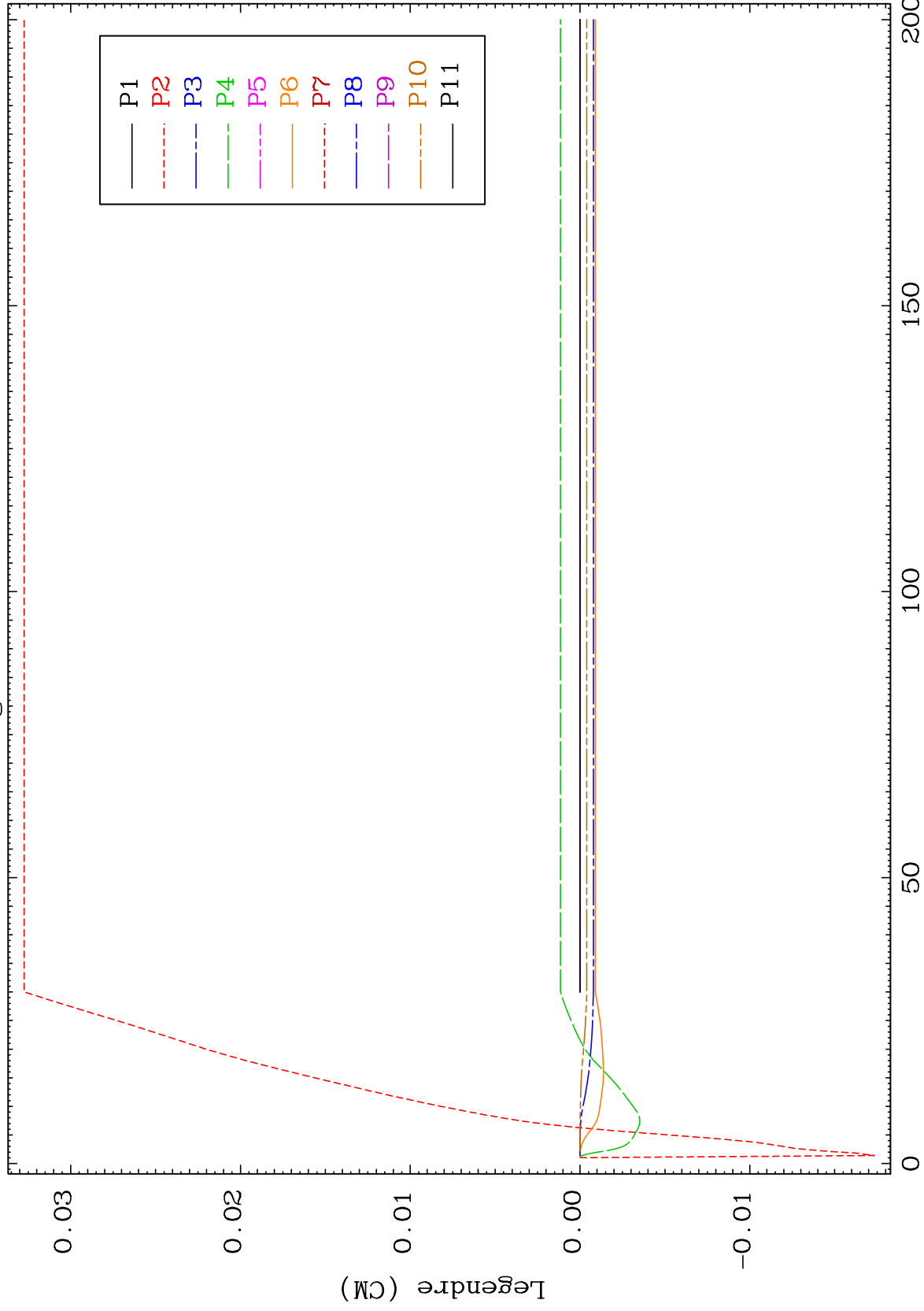
41-Nb-94



MAT 4128

MT= 78 (n,n') Level
Legendre Coefficients

41-Nb-94



41-Nb-94

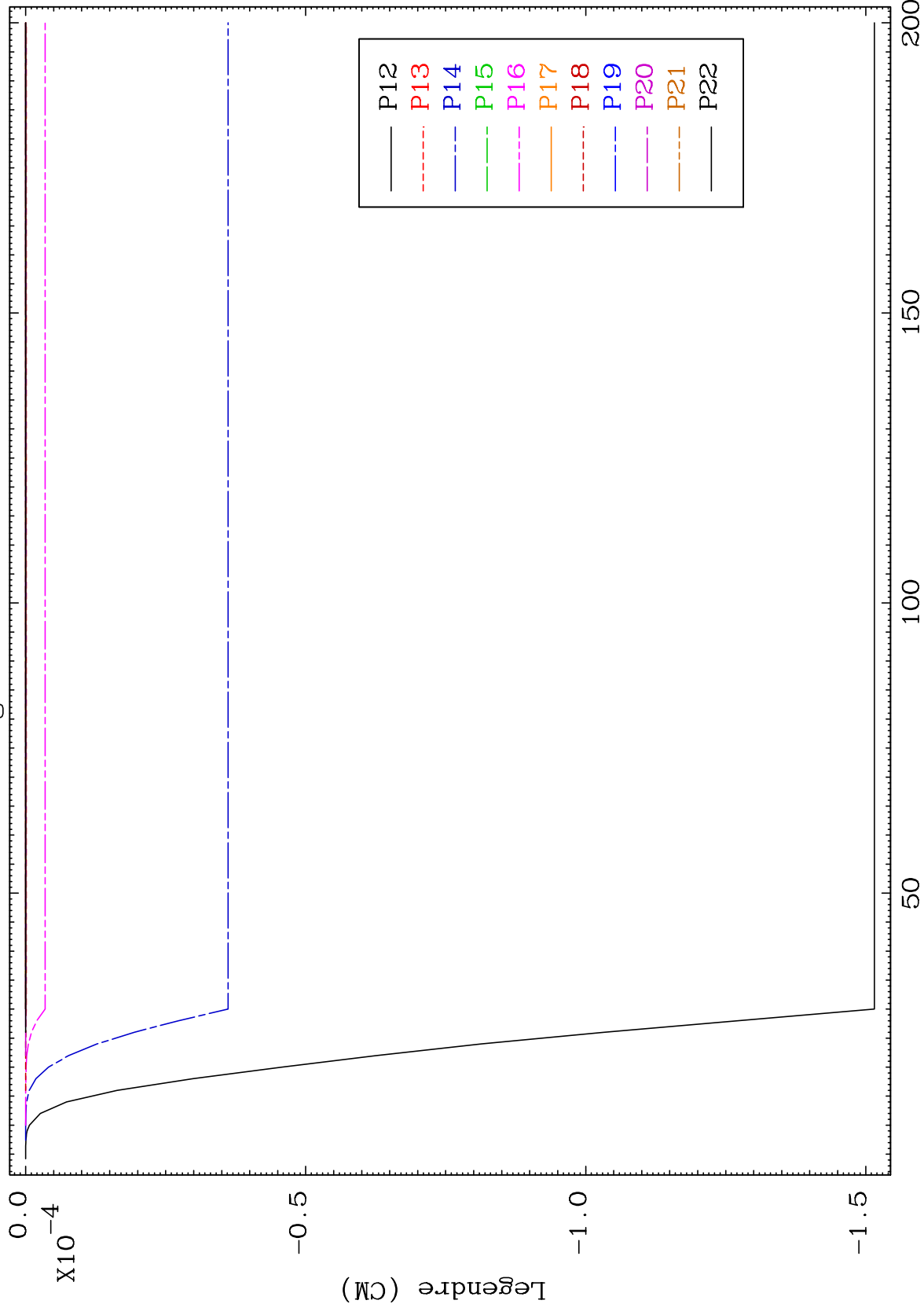
Incident Energy (MeV)

102

MAT 4128

MT= 78 (n,n') Level
Legendre Coefficients

41-Nb-94



103

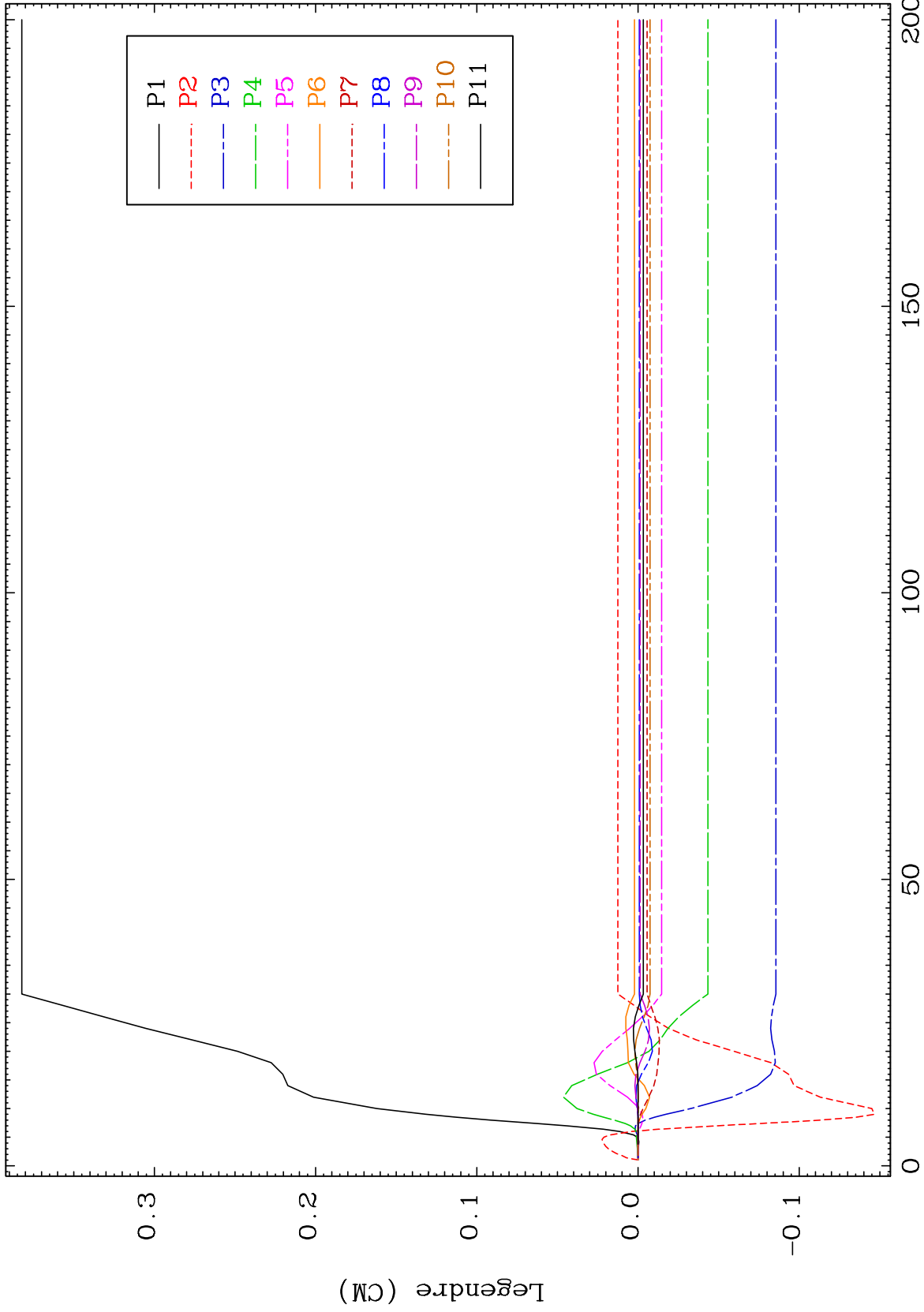
Incident Energy (MeV)

41-Nb-94

MAT 4128

MT= 79 (n,n') Level
Legendre Coefficients

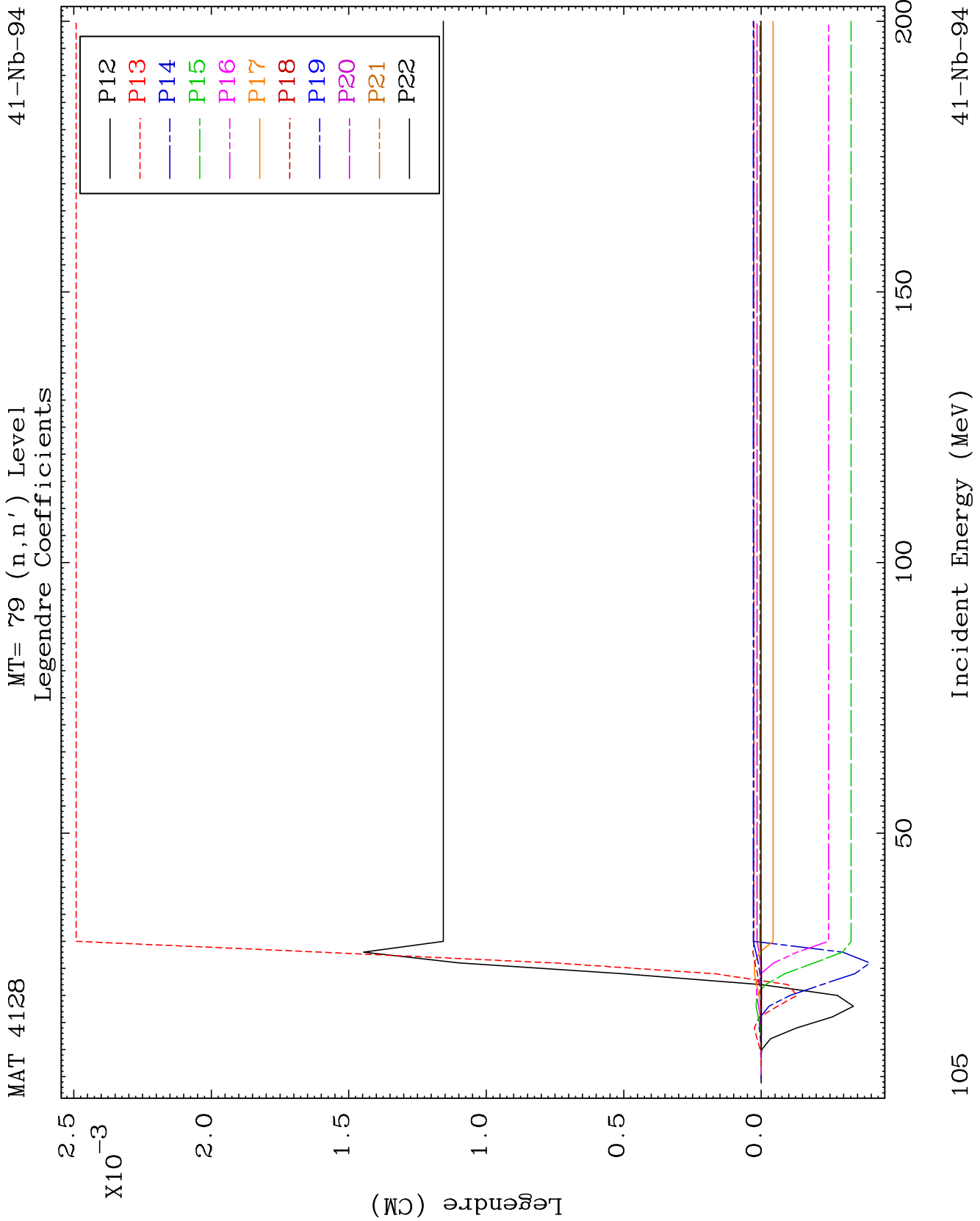
41-Nb-94

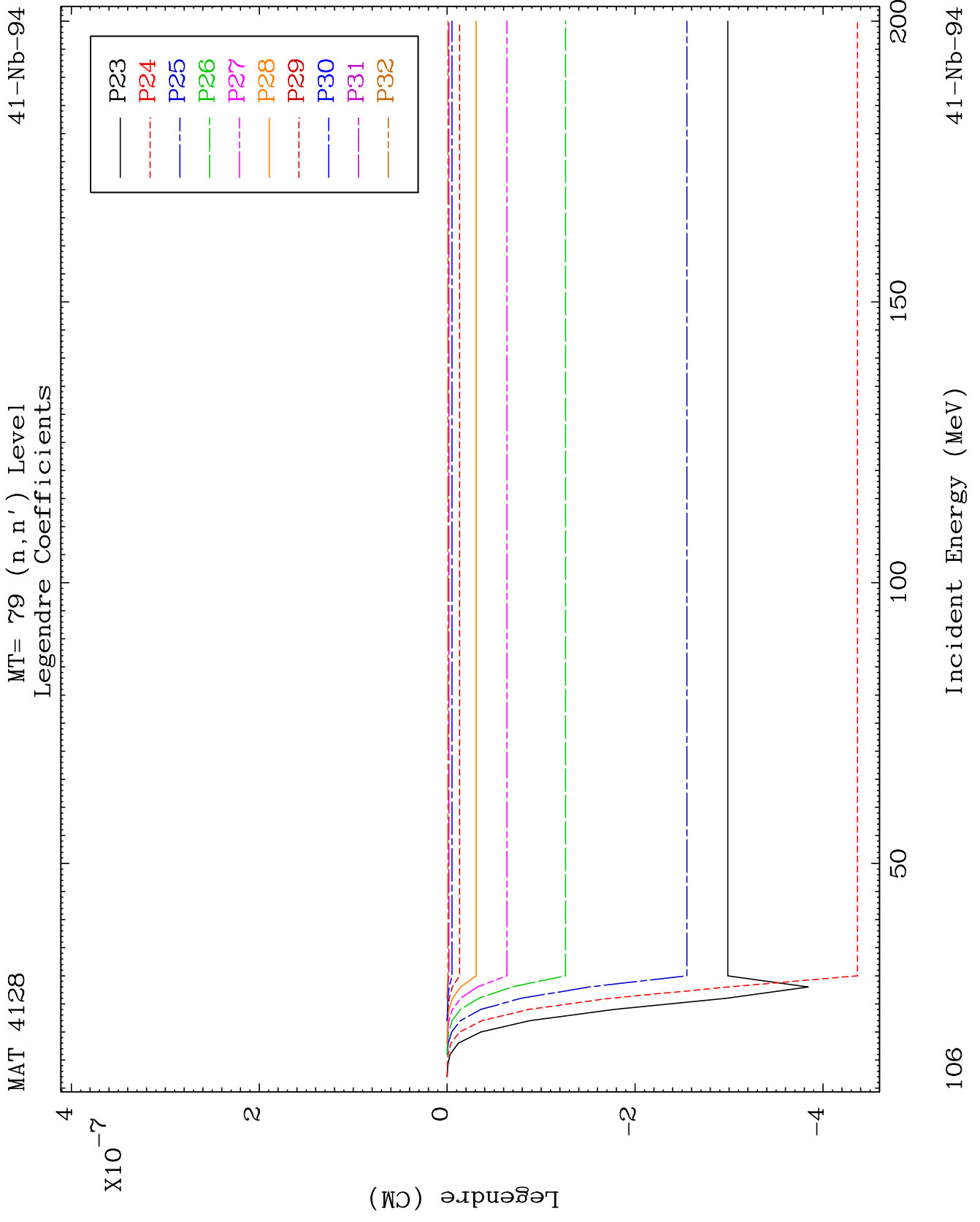


41-Nb-94

Incident Energy (MeV)

104

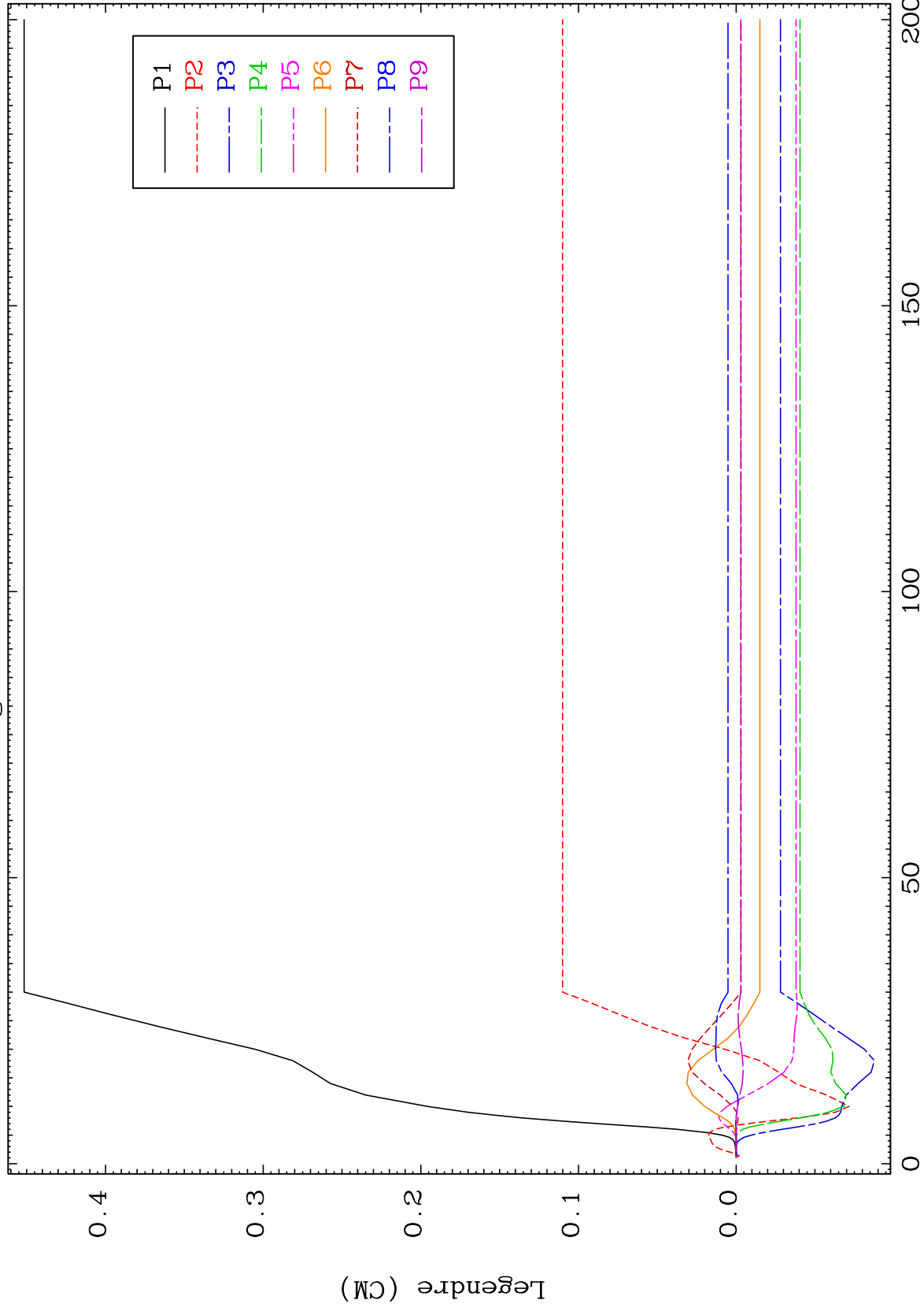




MAT 4128

MT= 80 (n,n') Level
Legendre Coefficients

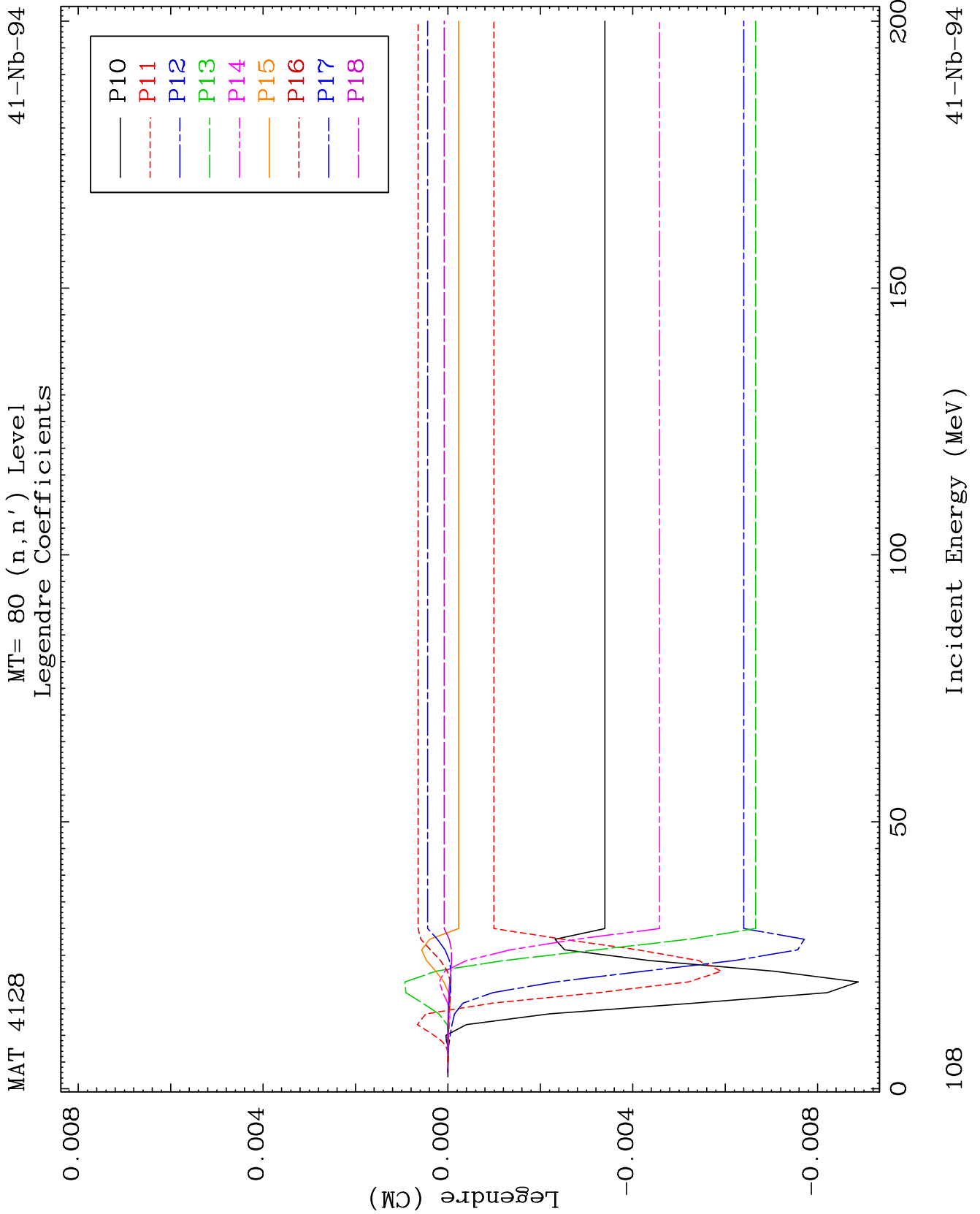
41-Nb-94



107

Incident Energy (MeV)

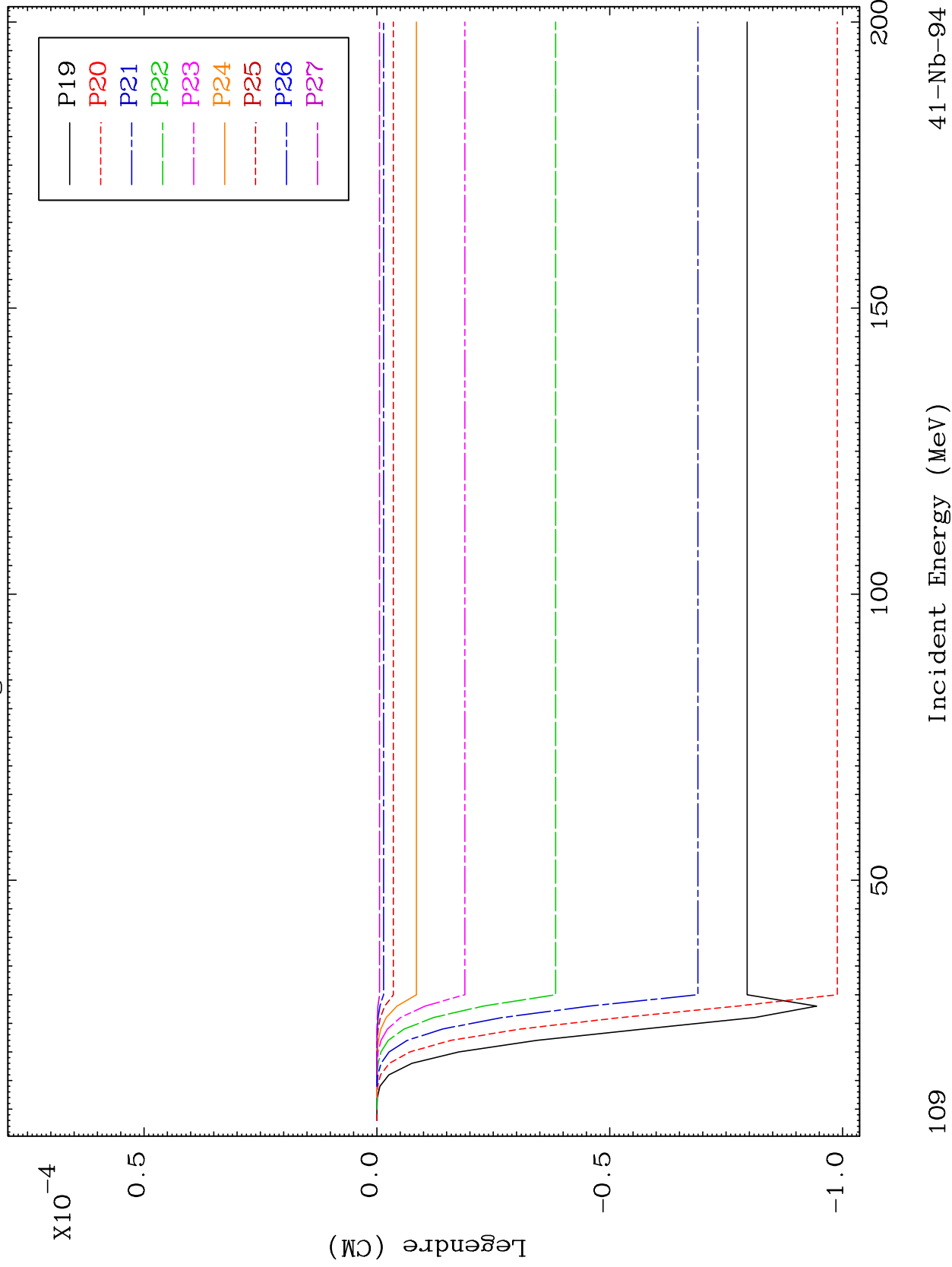
41-Nb-94



MAT 4128

MT= 80 (n,n') Level
Legendre Coefficients

41-Nb-94



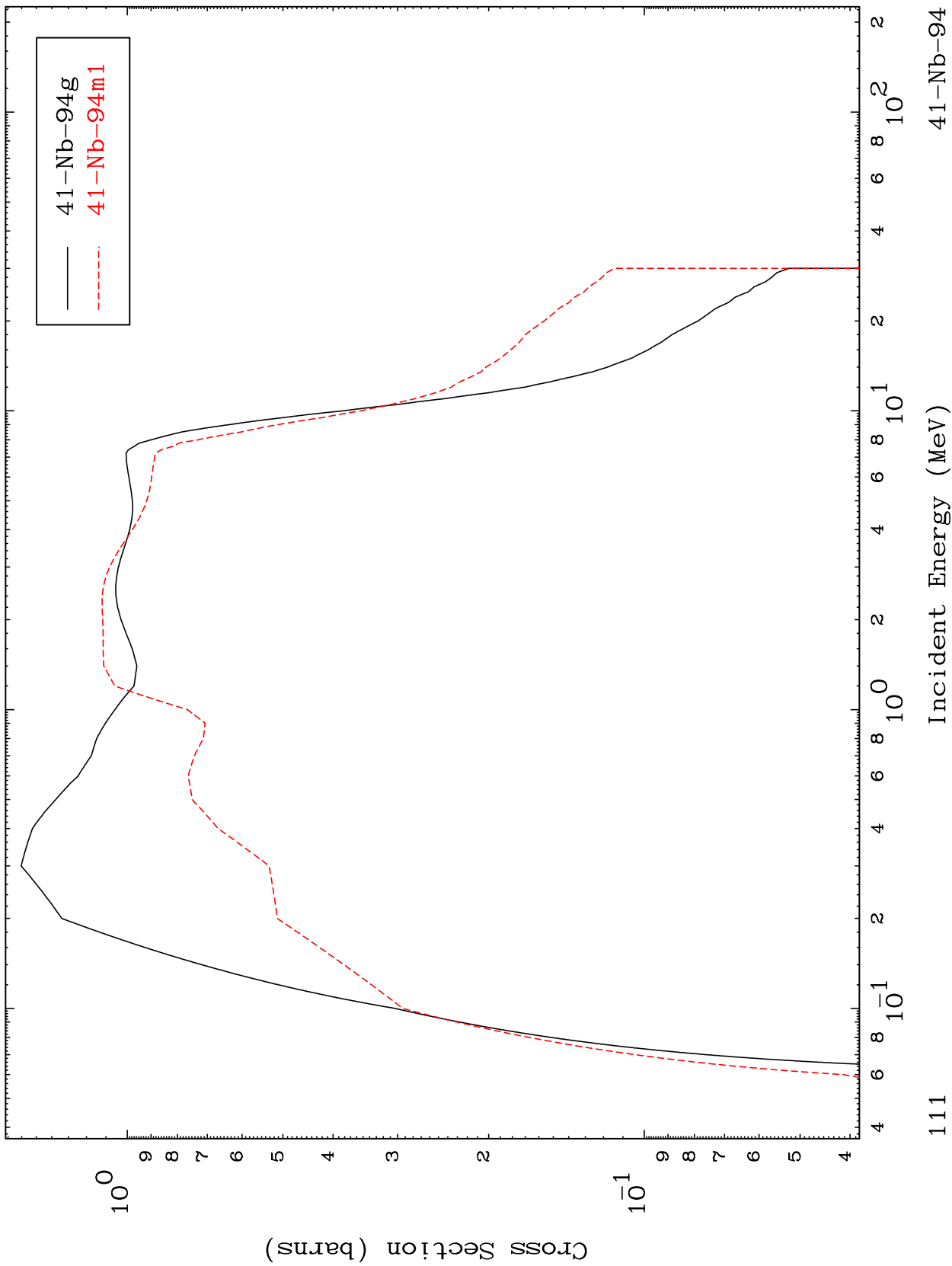
109

41-Nb-94

MAT 4128

41-Nb-94

Inelastic
Radionuclide Production Cross Section



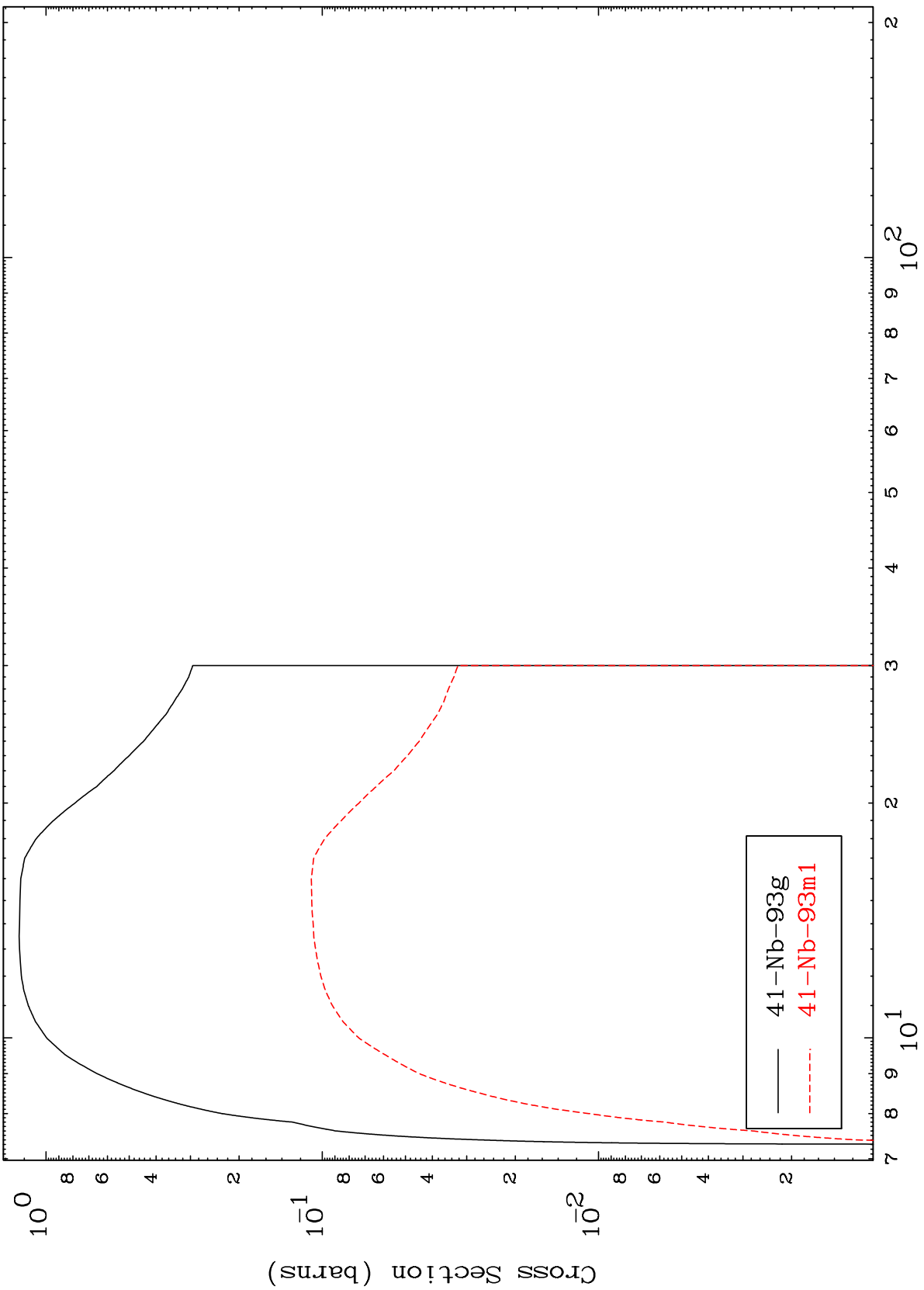
111

41-Nb-94

MAT 4128

41-Nb-94

(n,2n)
Radionuclide Production Cross Section



41-Nb-93g
41-Nb-93m1

Incident Energy (MeV)

41-Nb-94

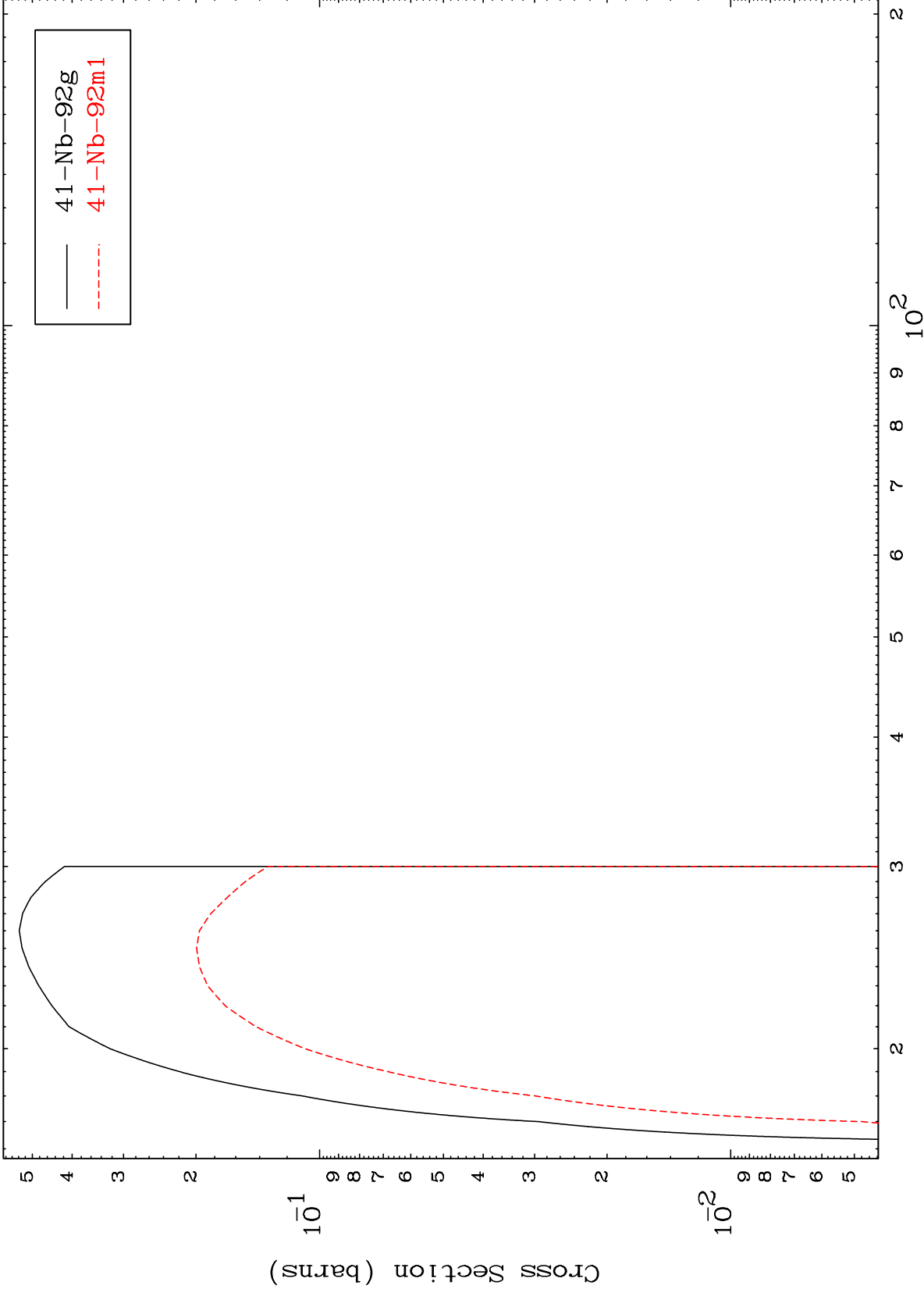
112

MAT 4128

(n,3n)

41-Nb-94

Radionuclide Production Cross Section



113

Incident Energy (MeV)

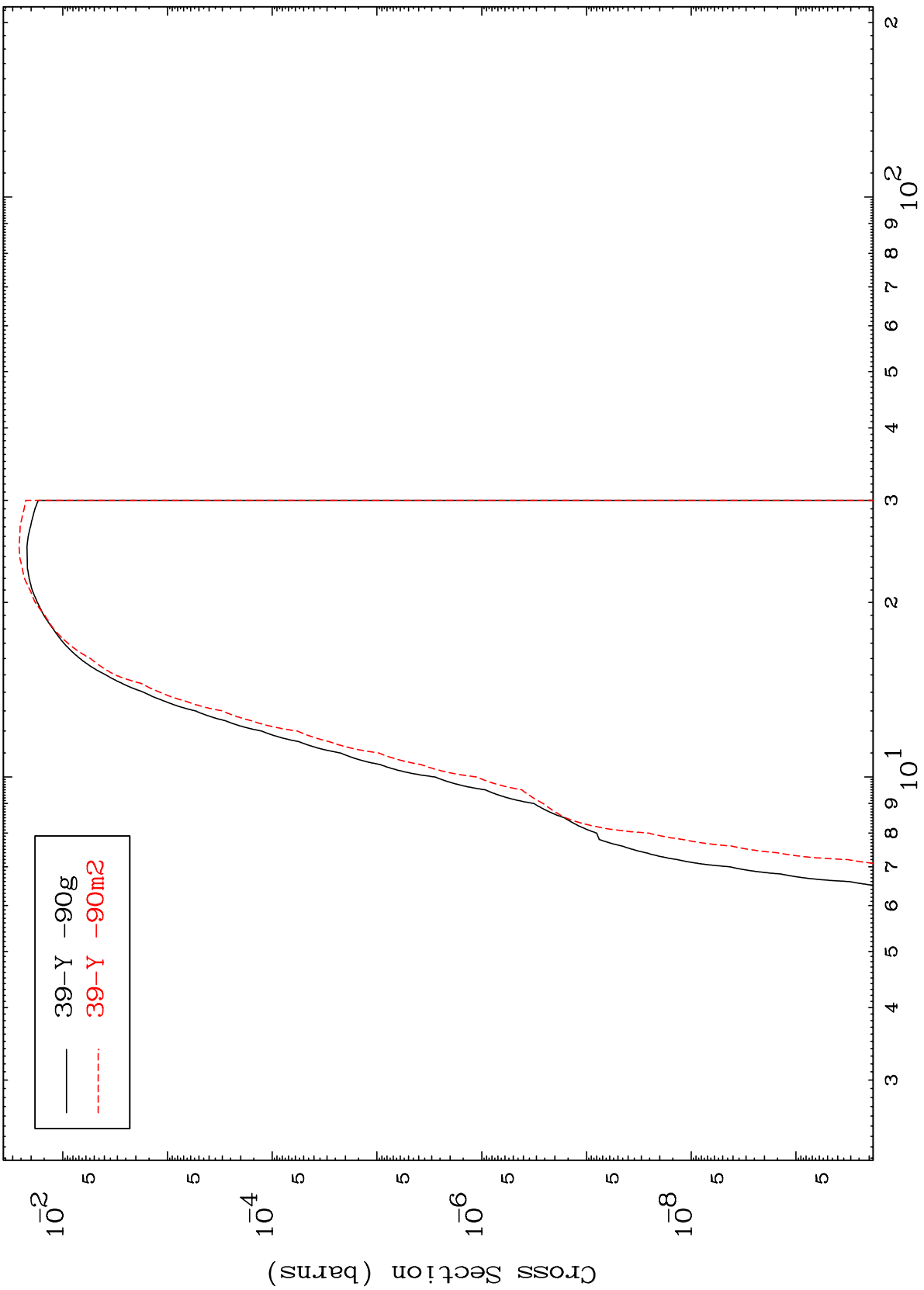
41-Nb-94

MAT 4128

$(n, n') \alpha$

41-Nb-94

Radionuclide Production Cross Section



114

Incident Energy (MeV)

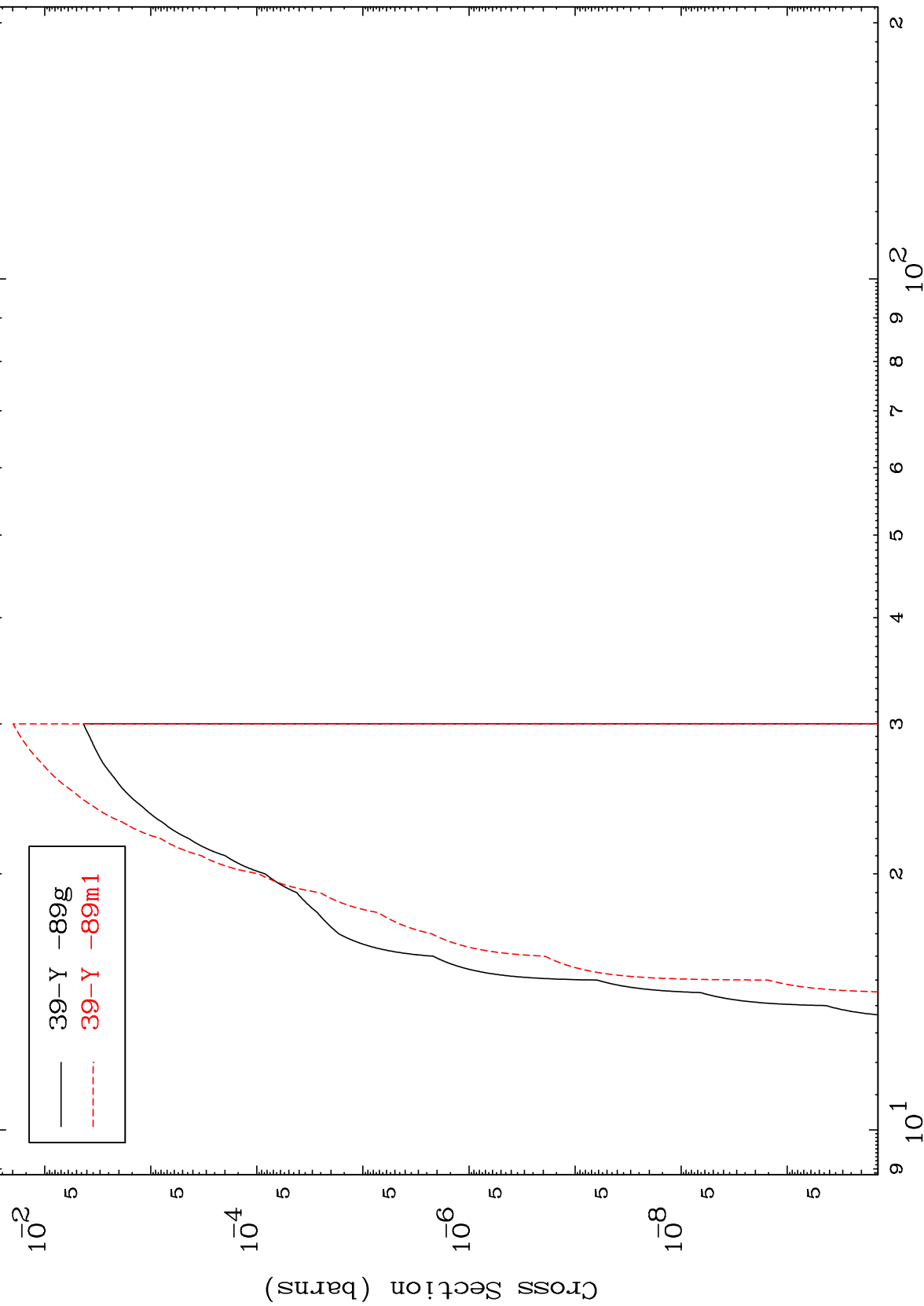
41-Nb-94

MAT 4128

(n,2n) α

41-Nb-94

Radionuclide Production Cross Section



Legend:
— 39-Y -89g
- - - 39-Y -89m1

Incident Energy (MeV)

41-Nb-94

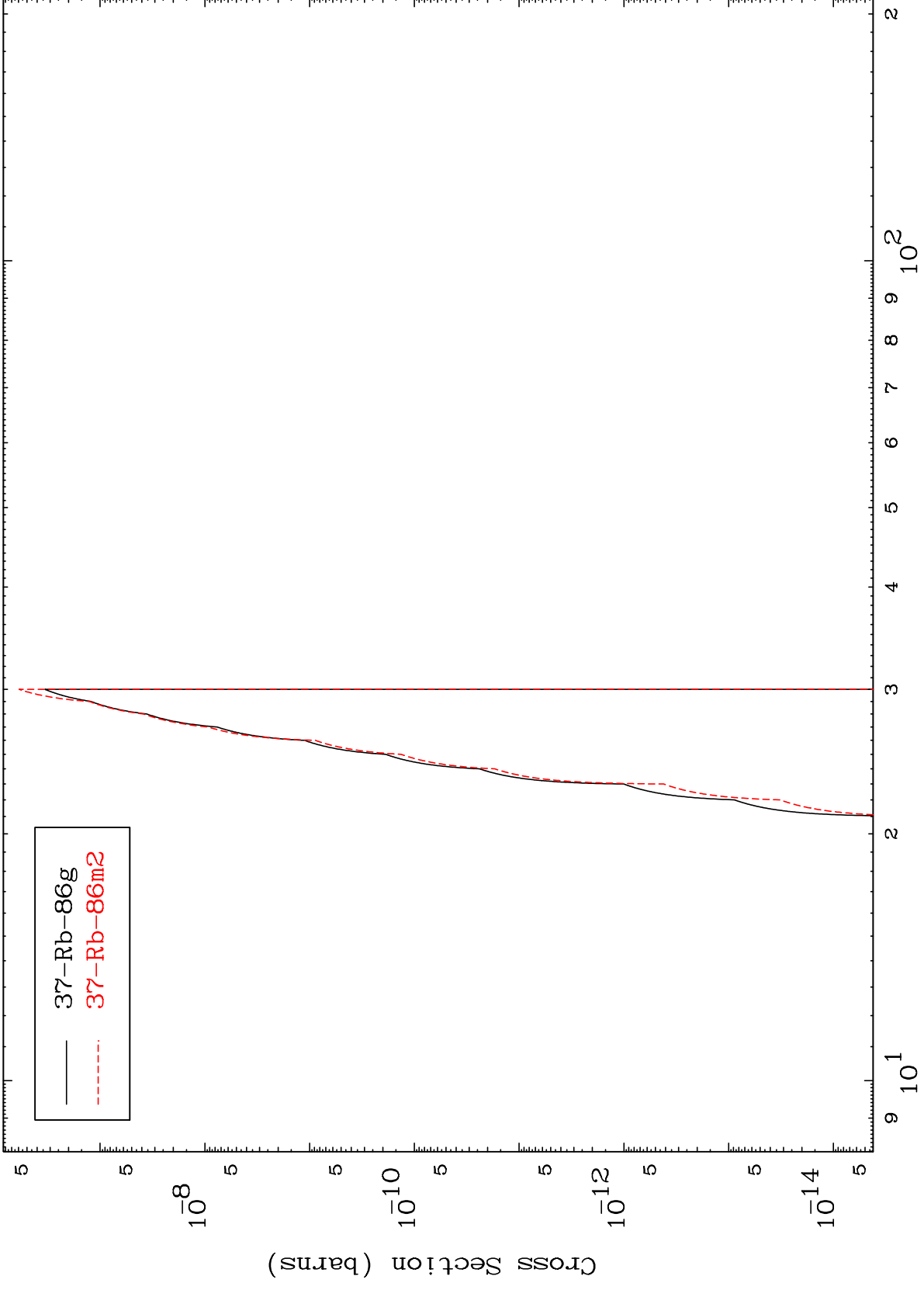
115

MAT 4128

(n,n') 2α

41-Nb-94

Radionuclide Production Cross Section

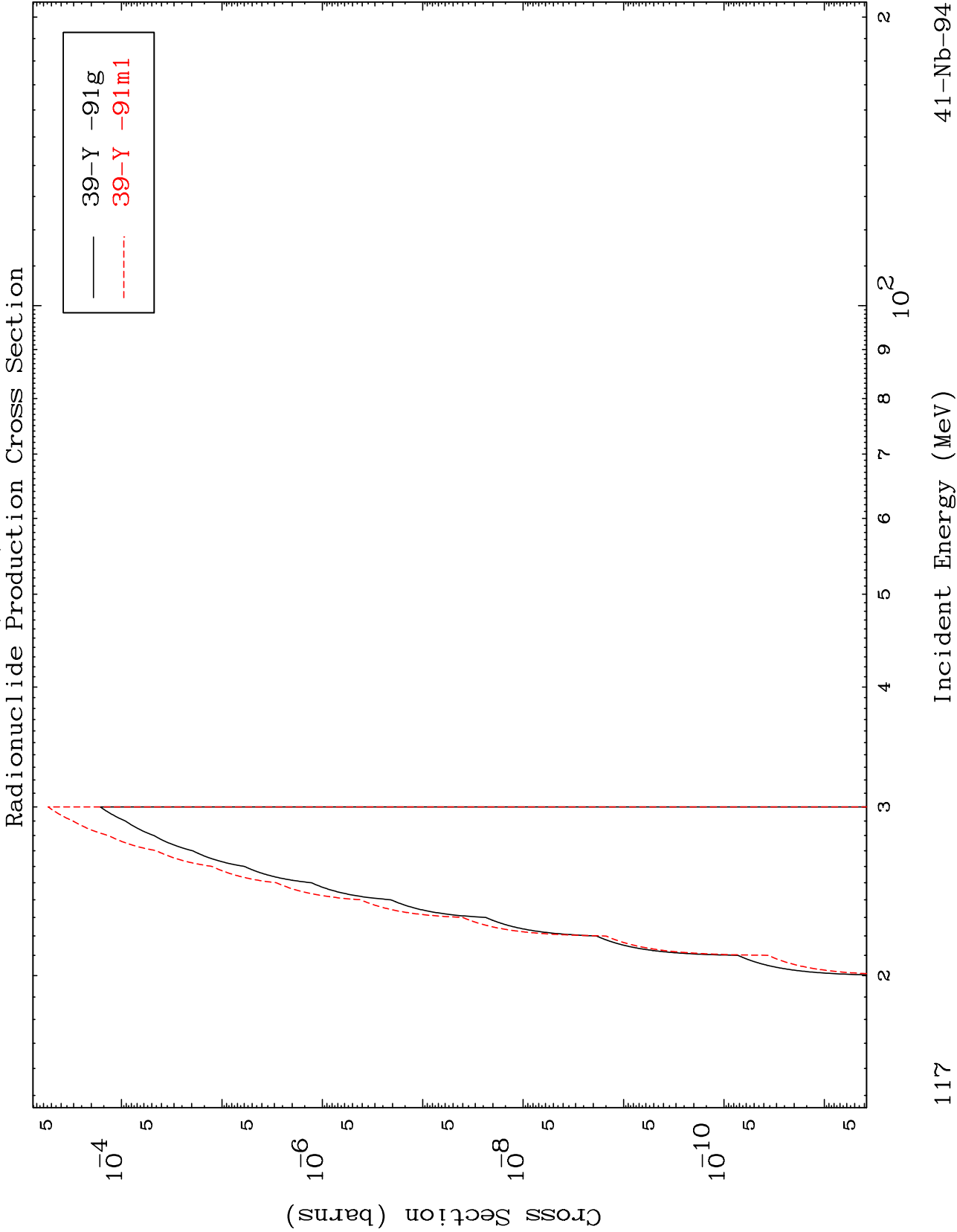


— 37-Rb-86g
- - - 37-Rb-86m2

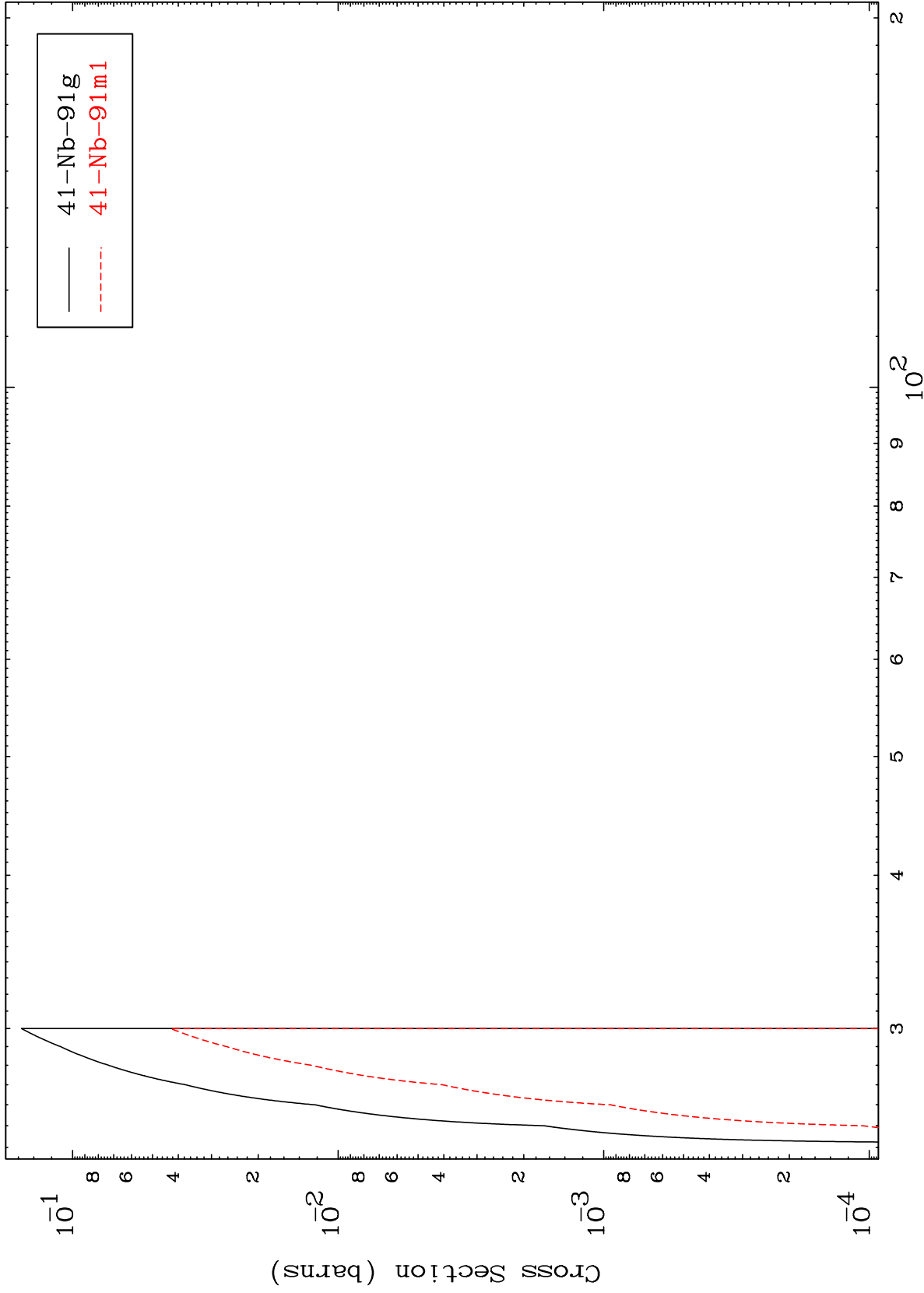
116

Incident Energy (MeV)

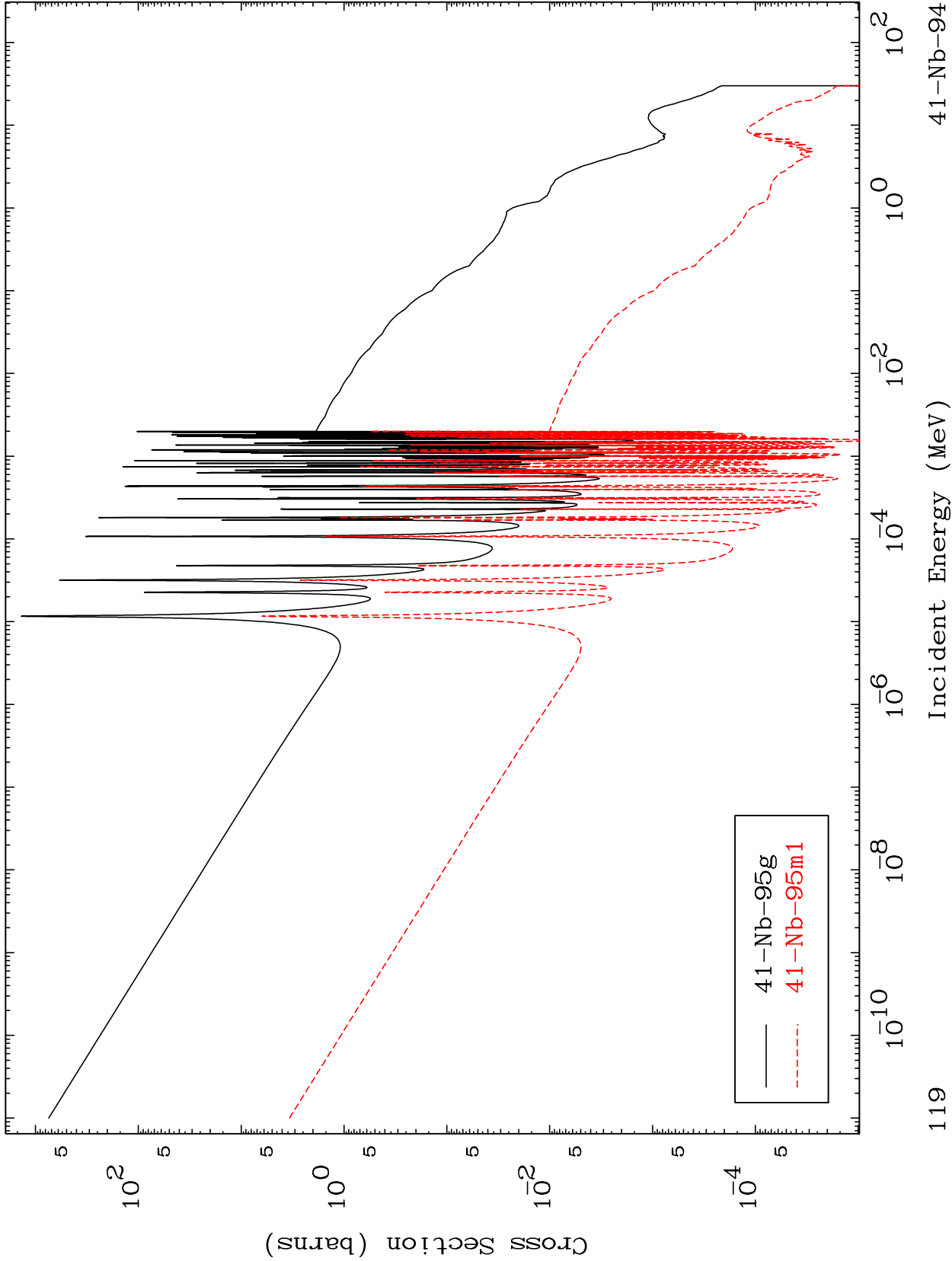
41-Nb-94



Radionuclide Production Cross Section



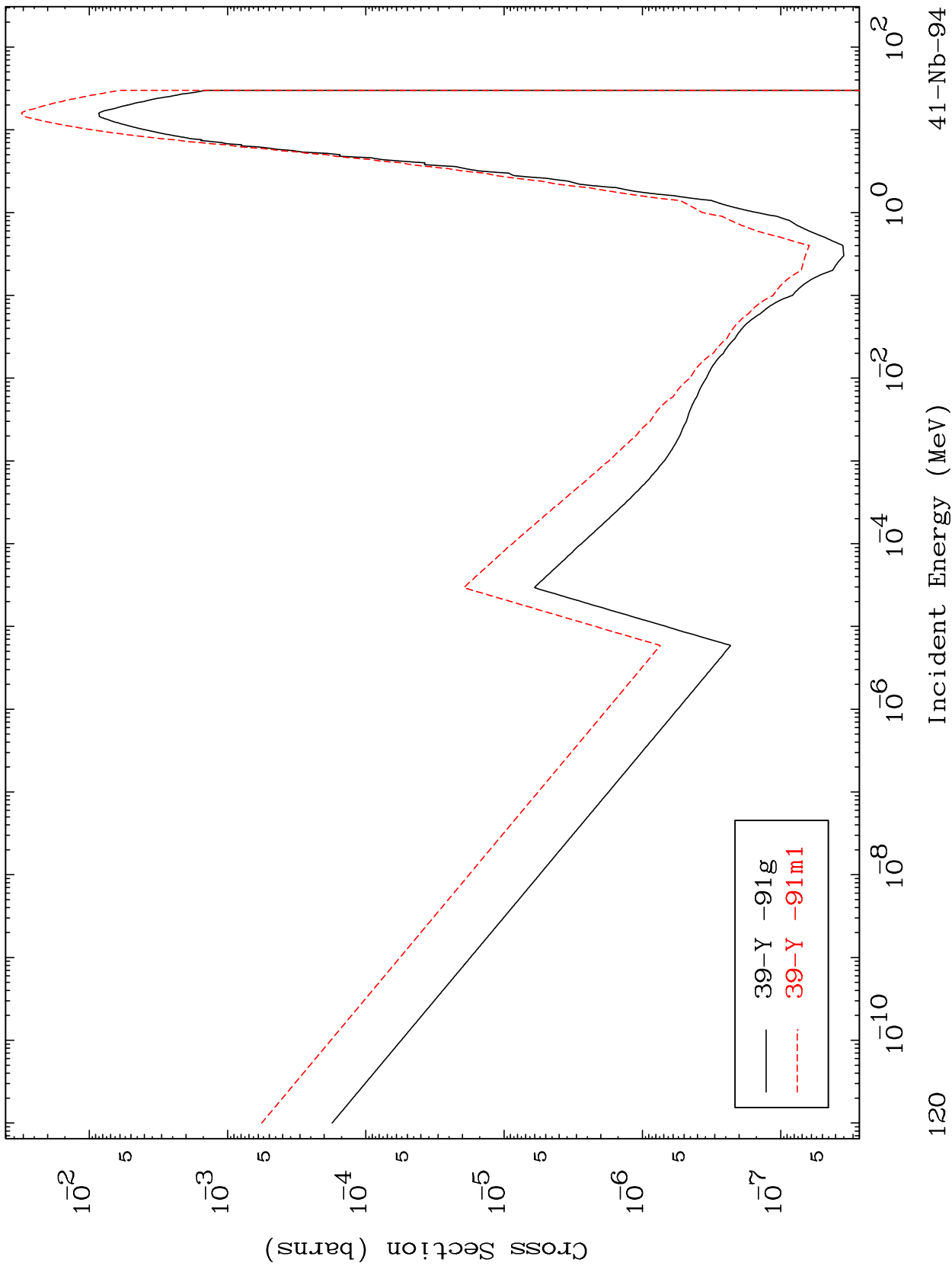
(n, γ)
Radionuclide Production Cross Section



MAT 4128

41-Nb-94

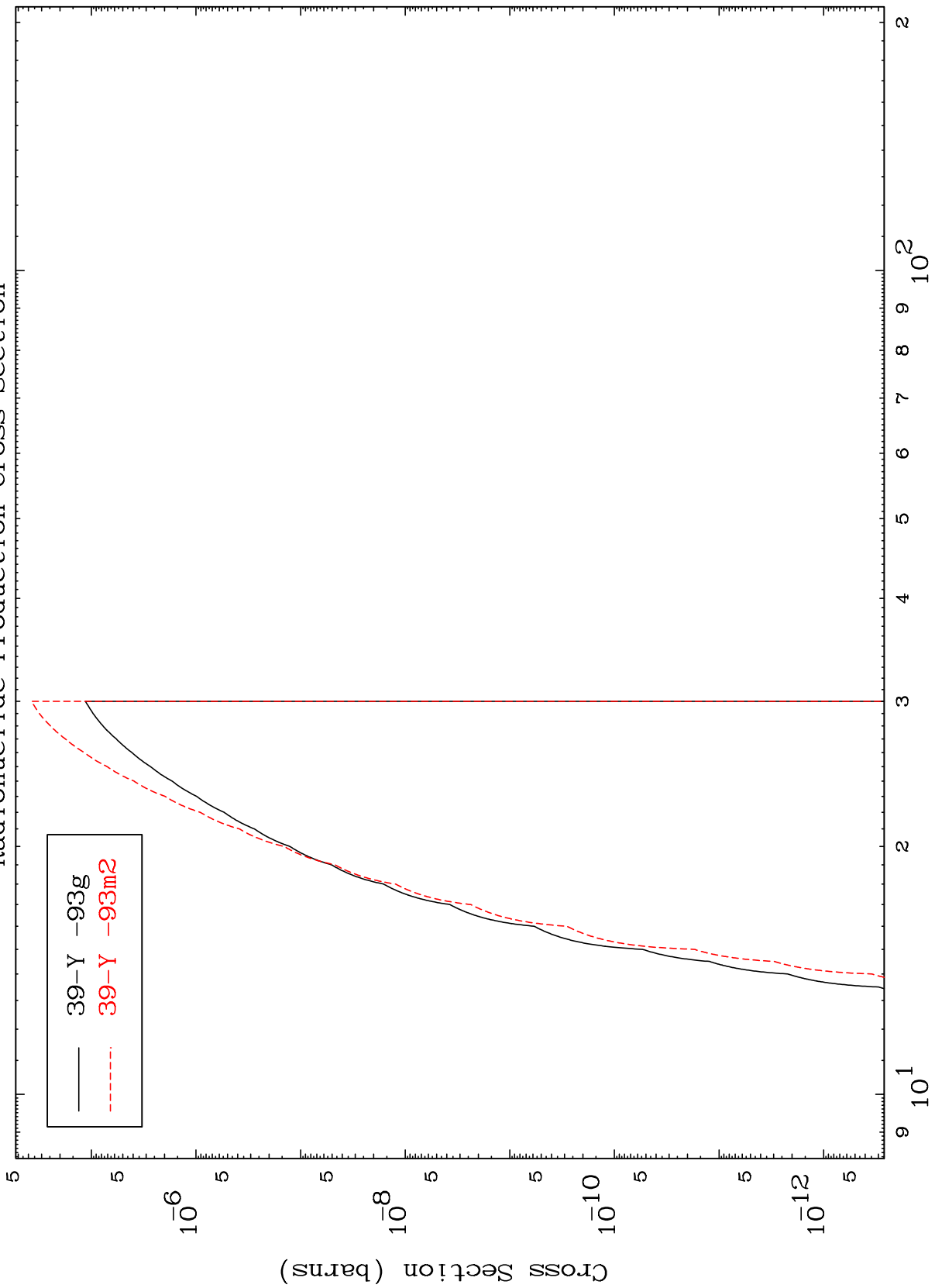
Radionuclide Production Cross Section
(n, α)



MAT 4128

41-Nb-94

(n,2p)
Radionuclide Production Cross Section



— 39-Y -93g
- - - 39-Y -93m2

41-Nb-94

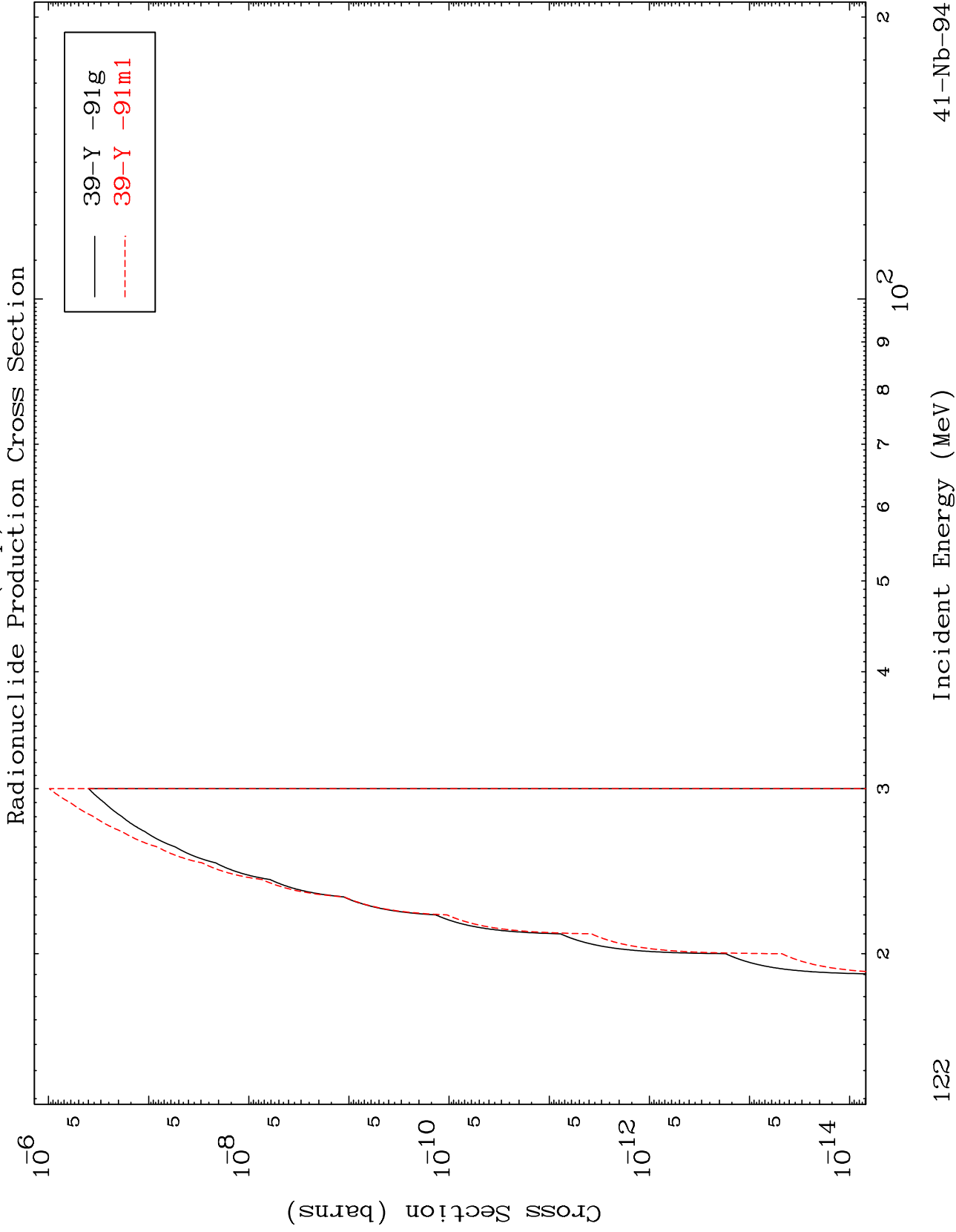
Incident Energy (MeV)

121

MAT 4128

(n,p) t

41-Nb-94



122

Incident Energy (MeV)

41-Nb-94