

Program EVALPLOT
(Version 2021-1)

by

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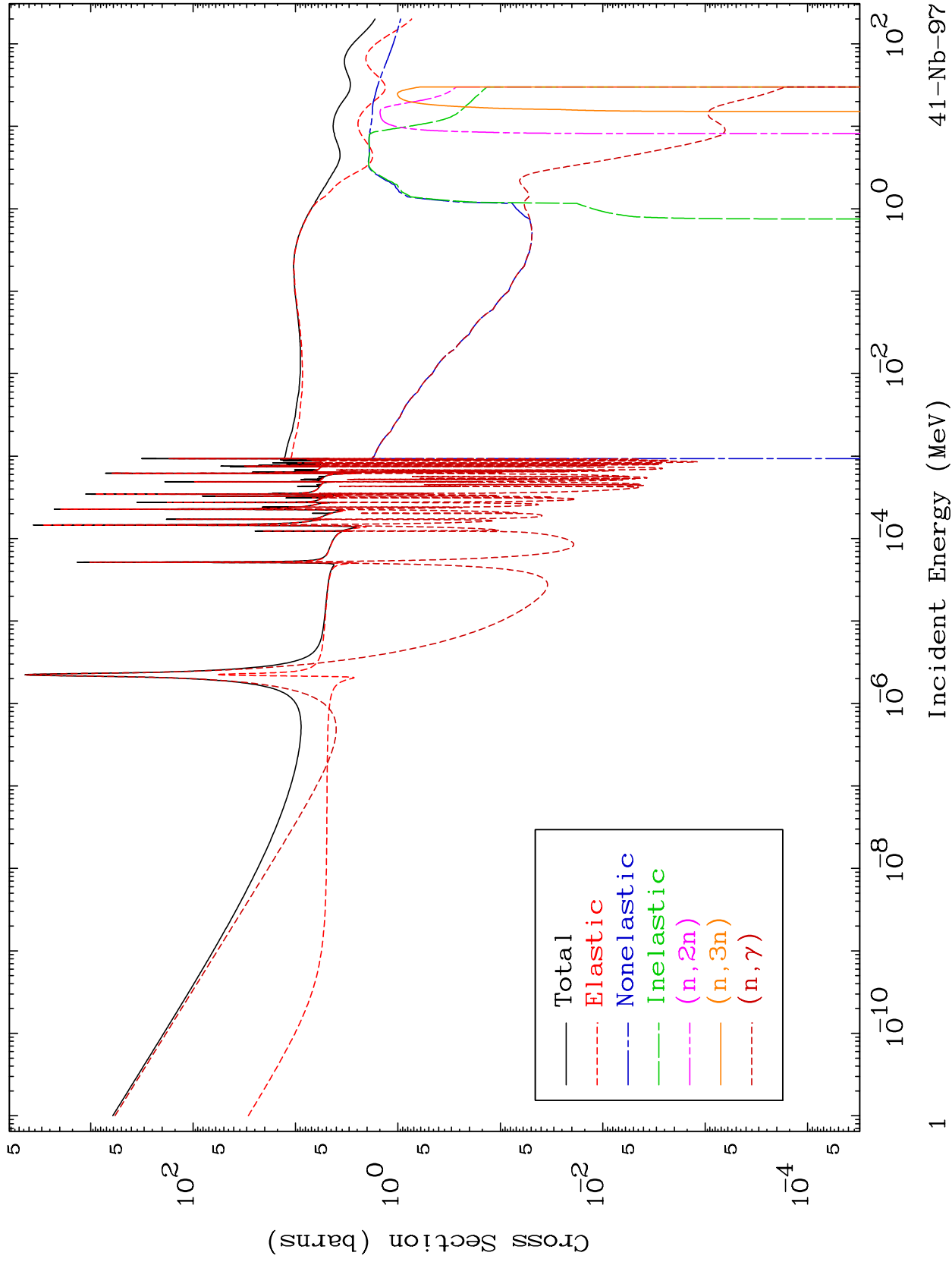
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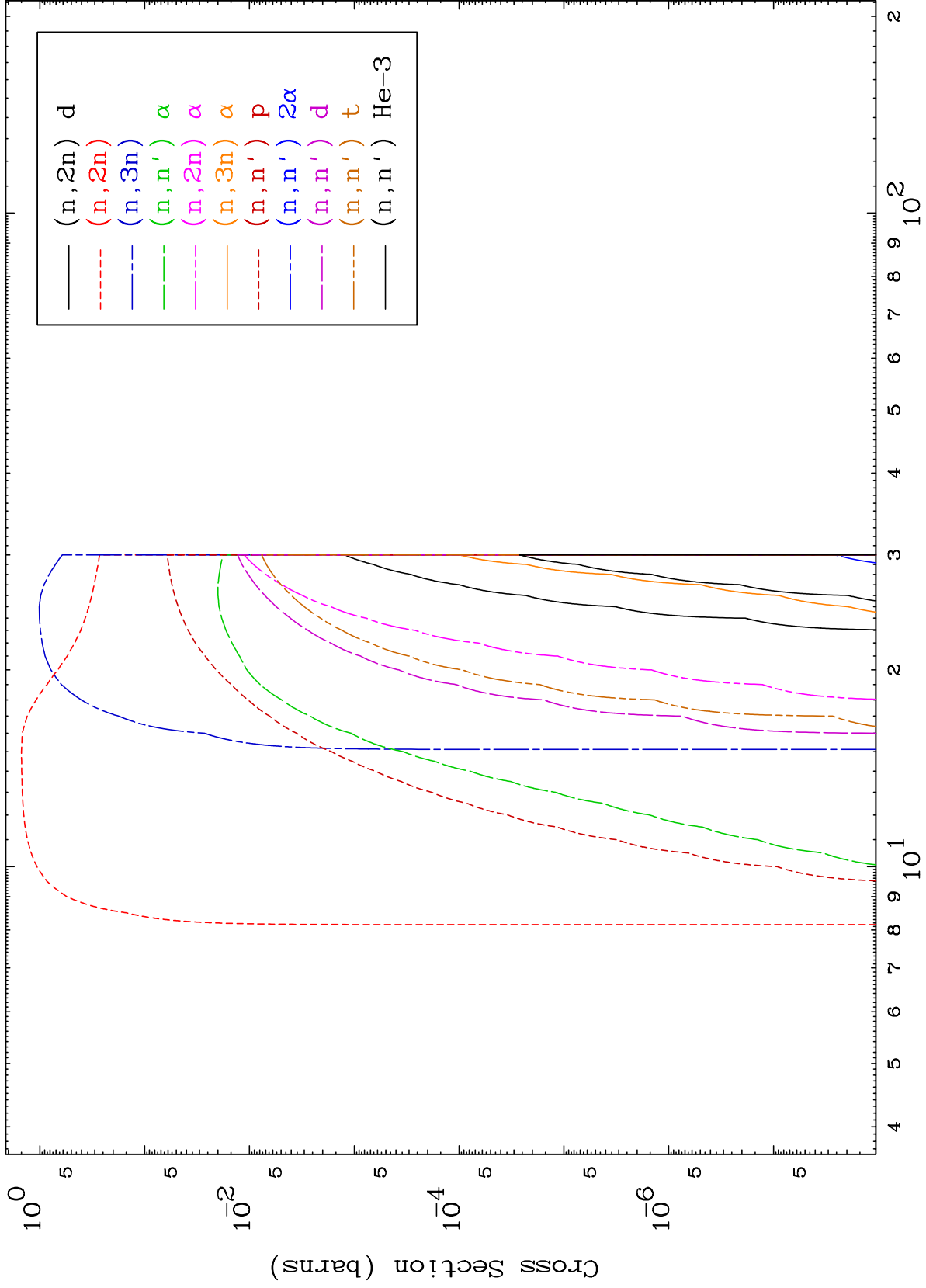
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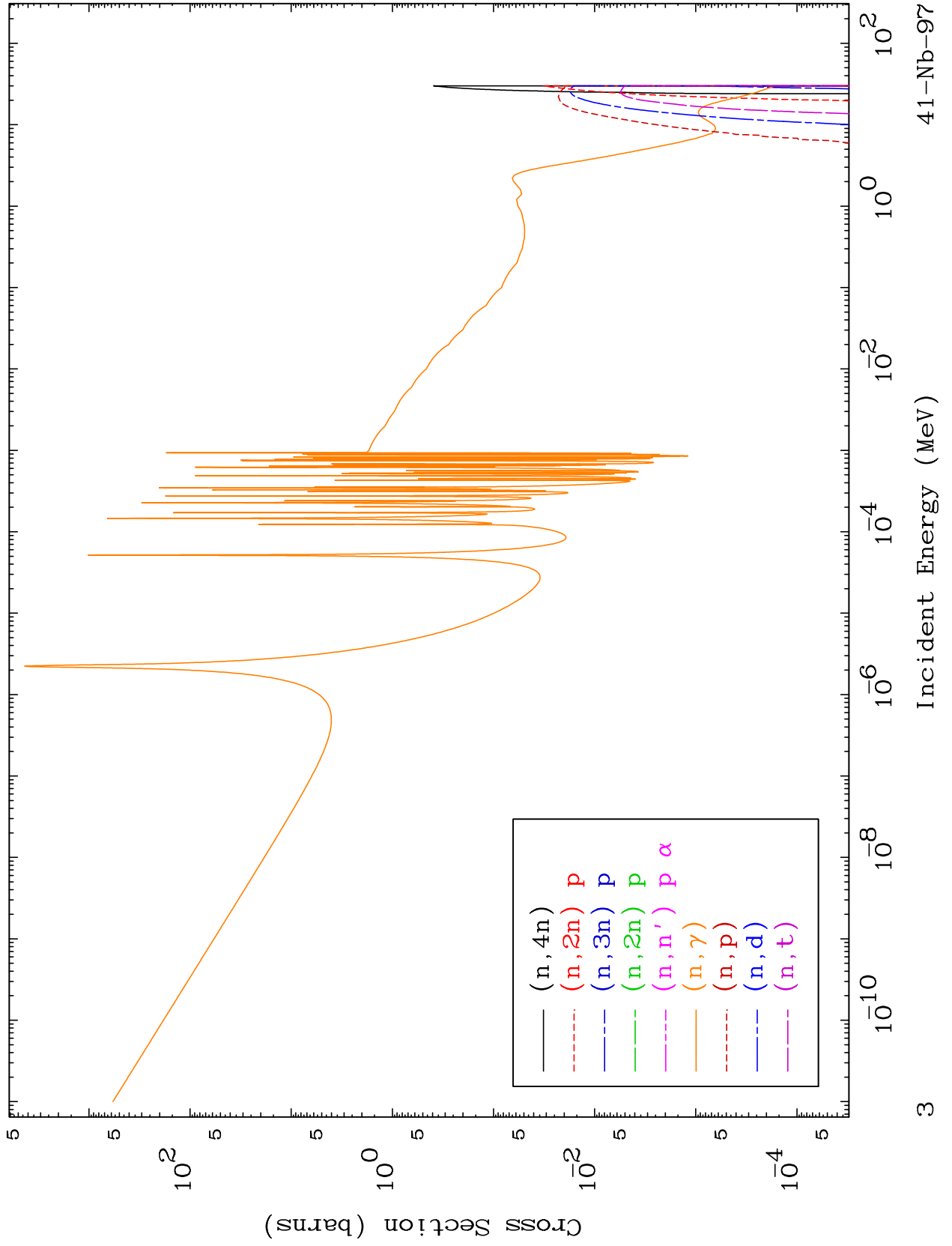
MAT 4137

Neutron Major
293 Kelvin Cross Sections

41-Nb-97



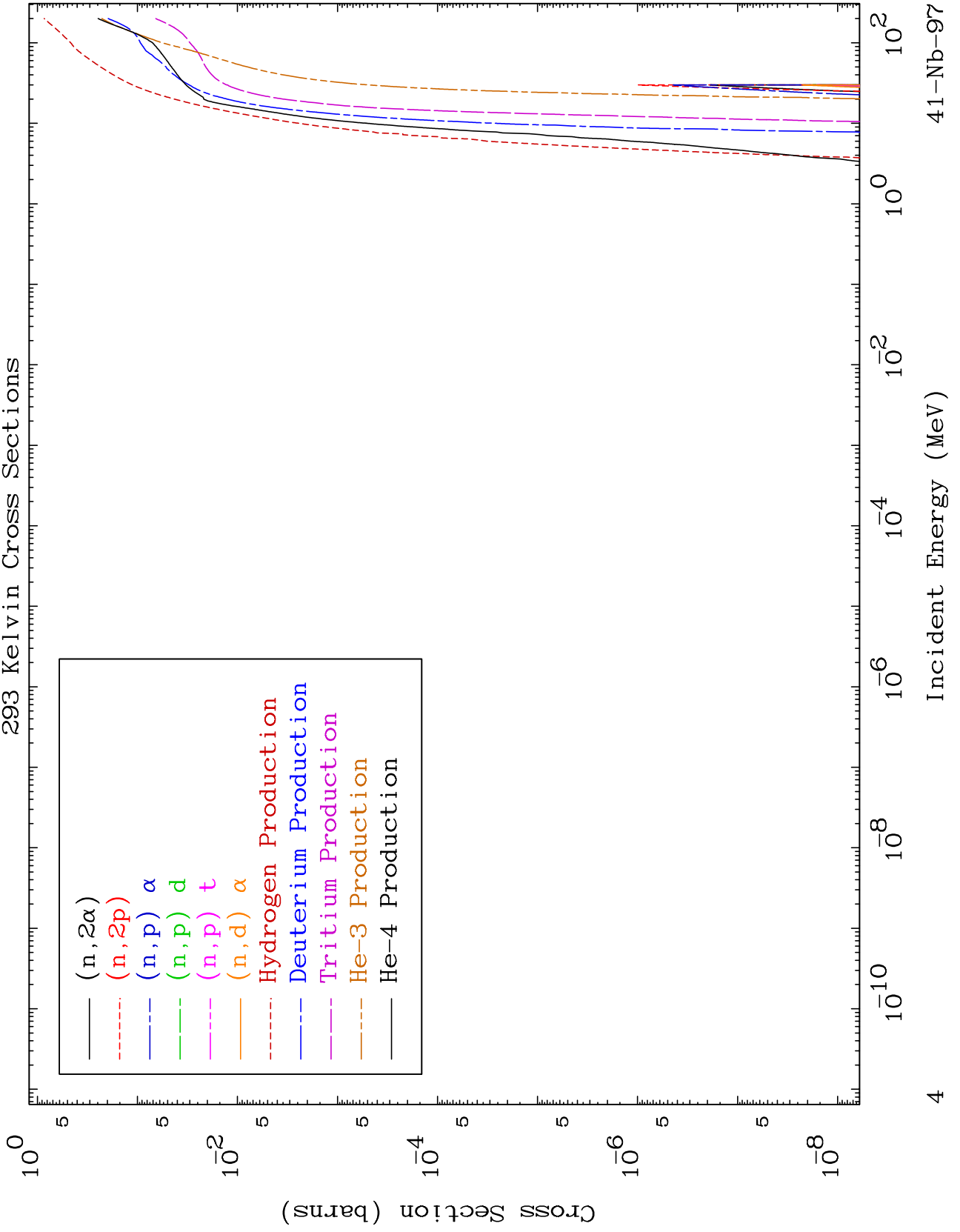




MAT 4137

Neutron Absorption
293 Kelvin Cross Sections

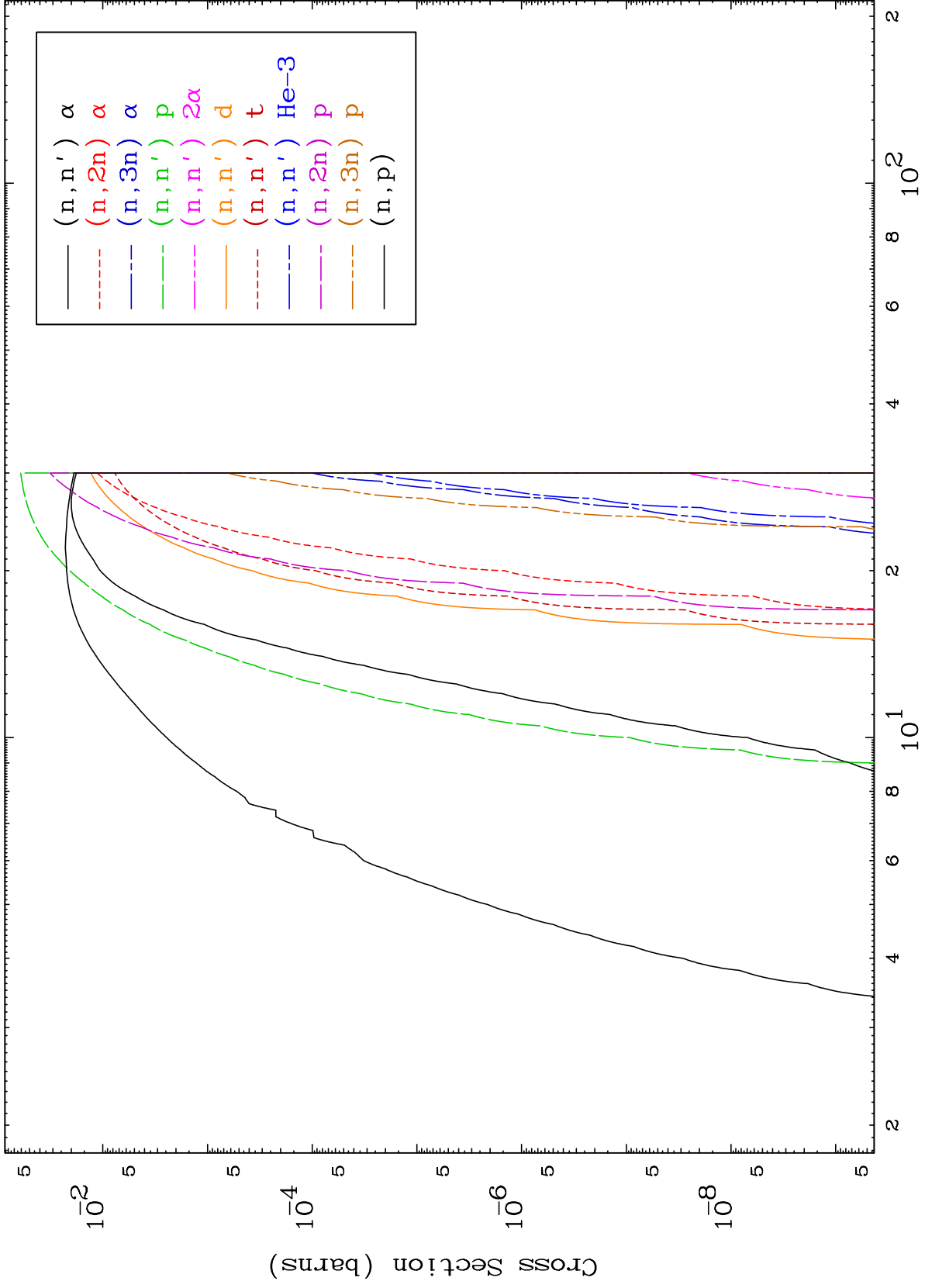
41-Nb-97



MAT 4137

Charged Particle
293 Kelvin Cross Sections

41-Nb-97



5

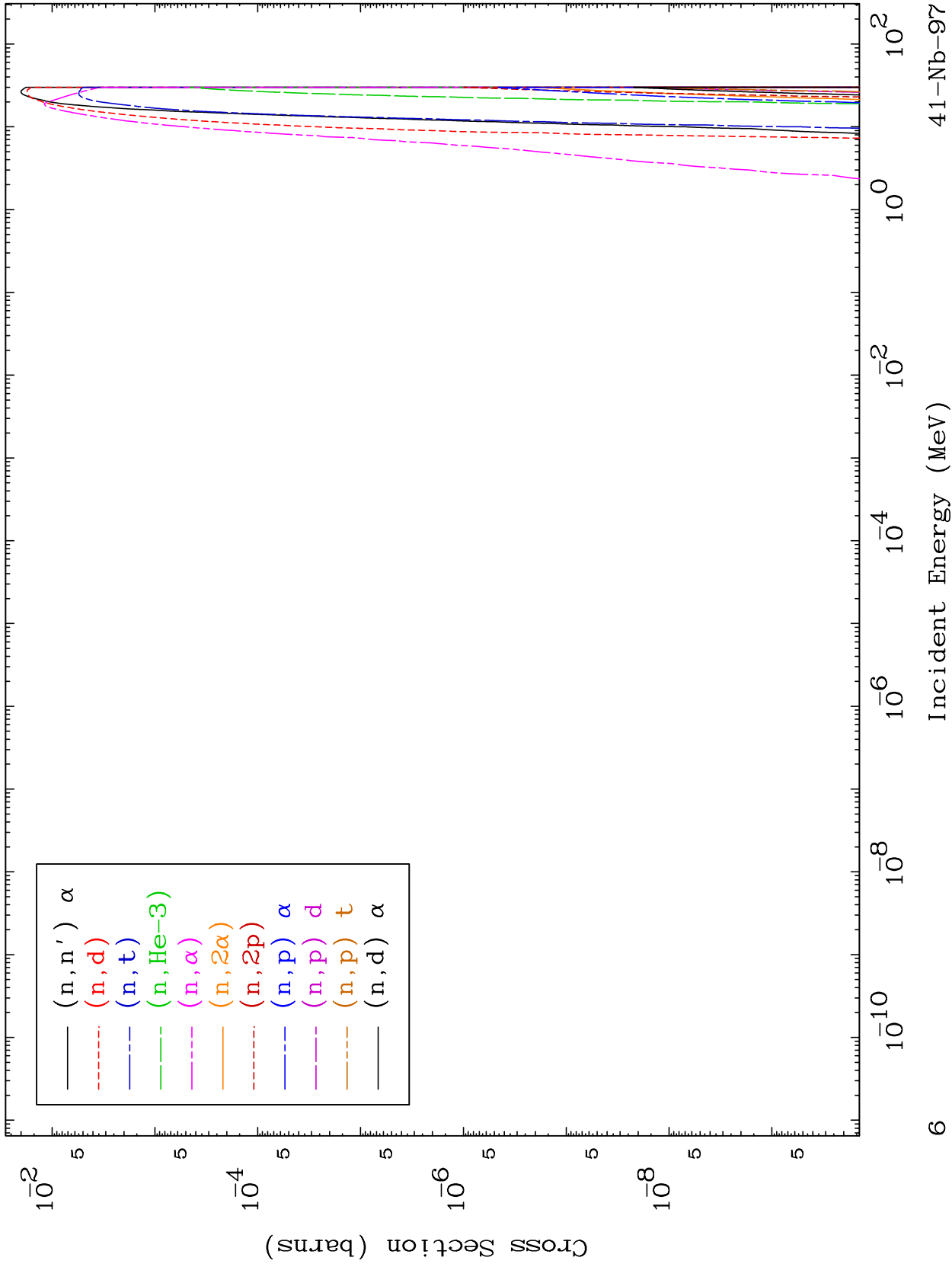
Incident Energy (MeV)

41-Nb-97

MAT 4137

Charged Particle
293 Kelvin Cross Sections

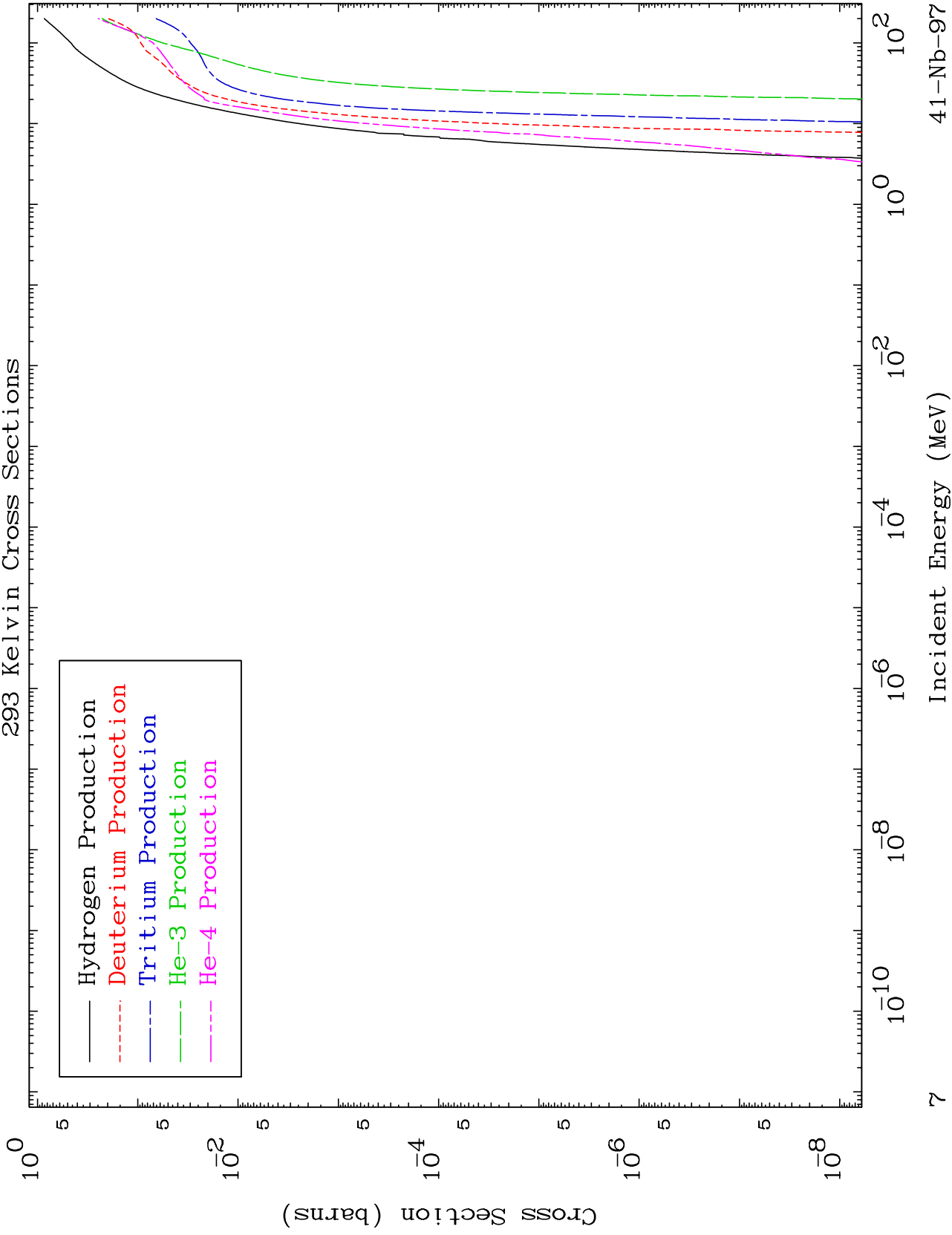
41-Nb-97



MAT 4137

Particle Production
293 Kelvin Cross Sections

41-Nb-97

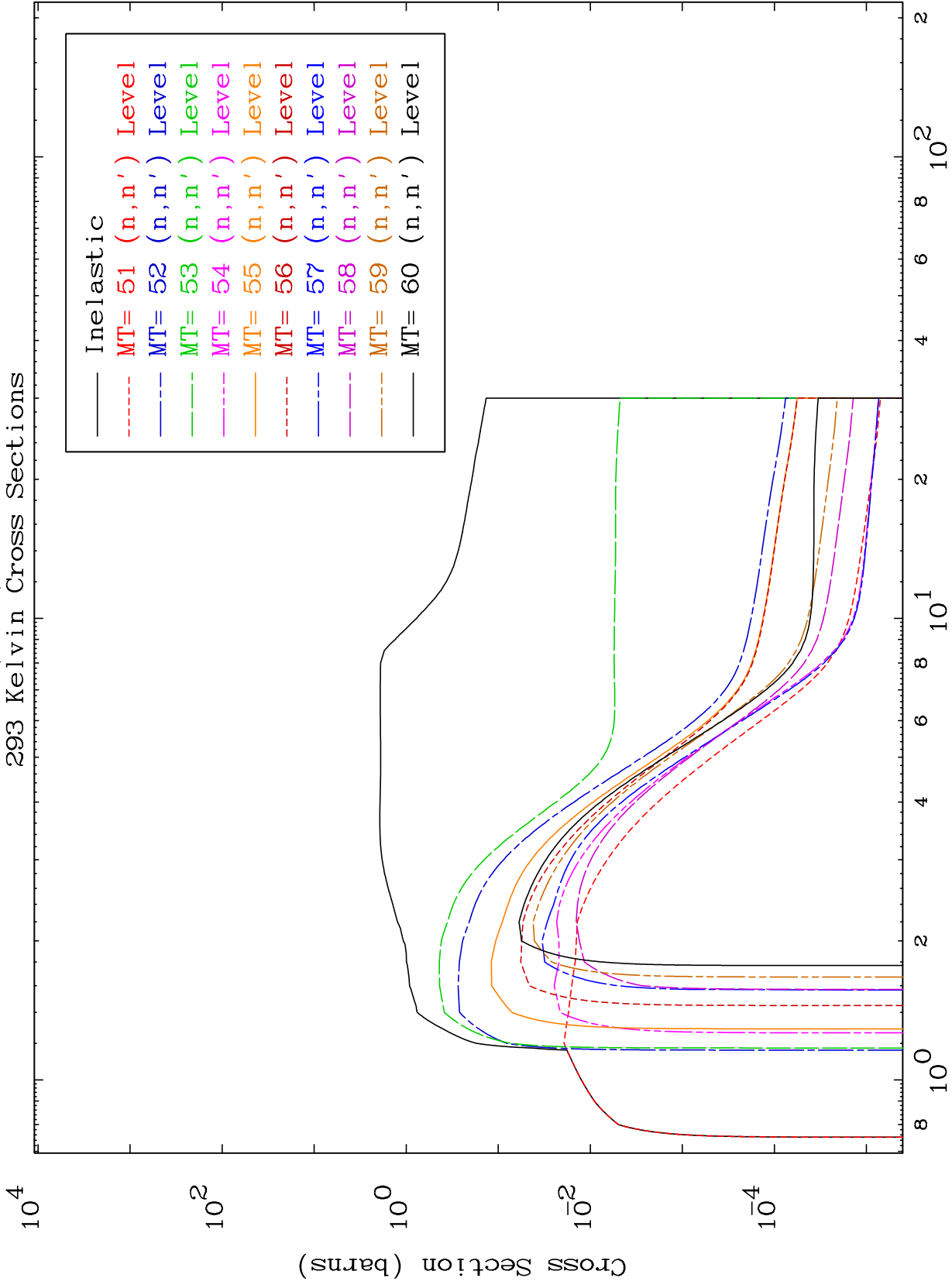


MAT 4137

(n,n') Levels

41-Nb-97

293 Kelvin Cross Sections

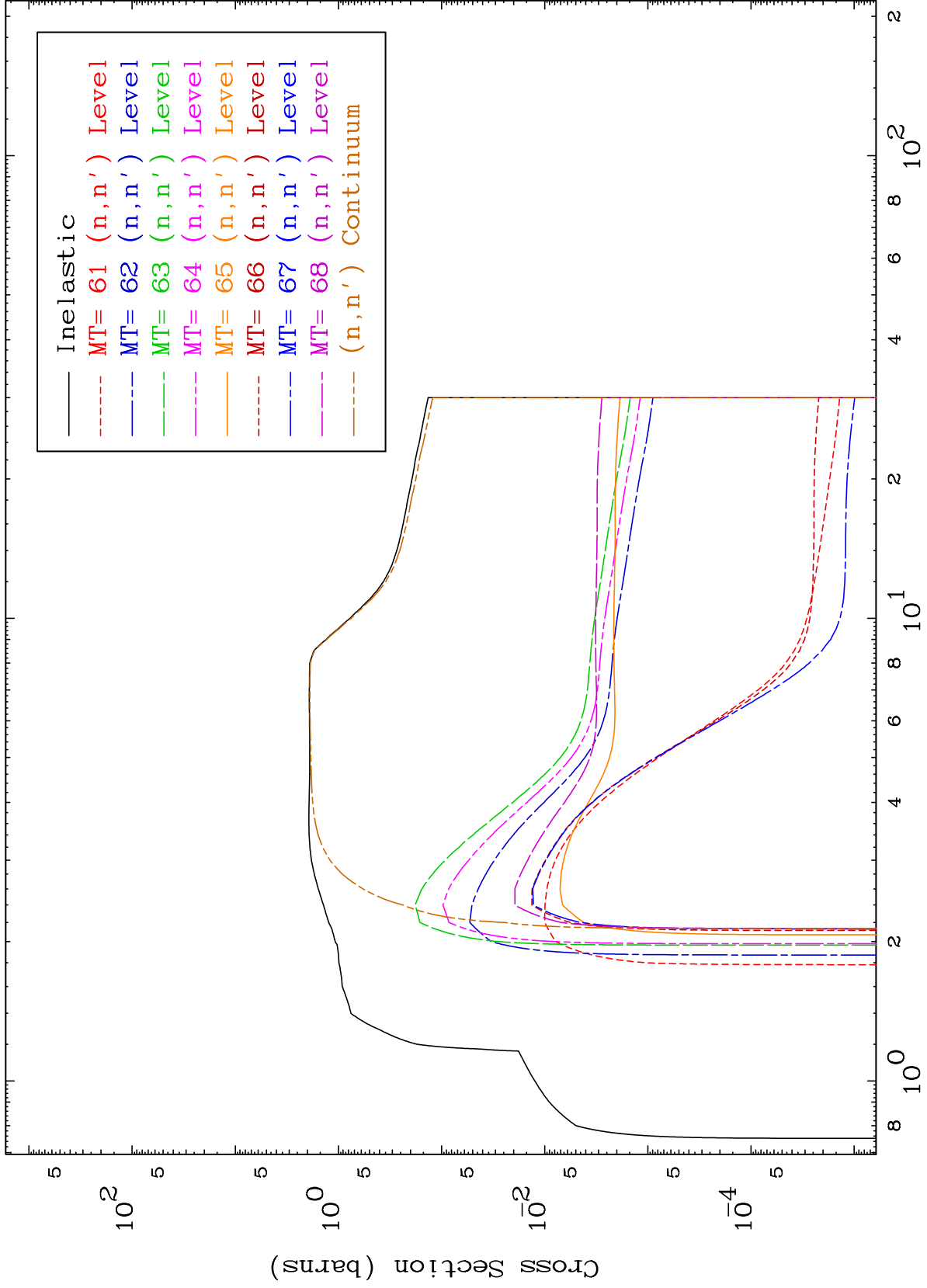


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Incident Energy (MeV)

41-Nb-97

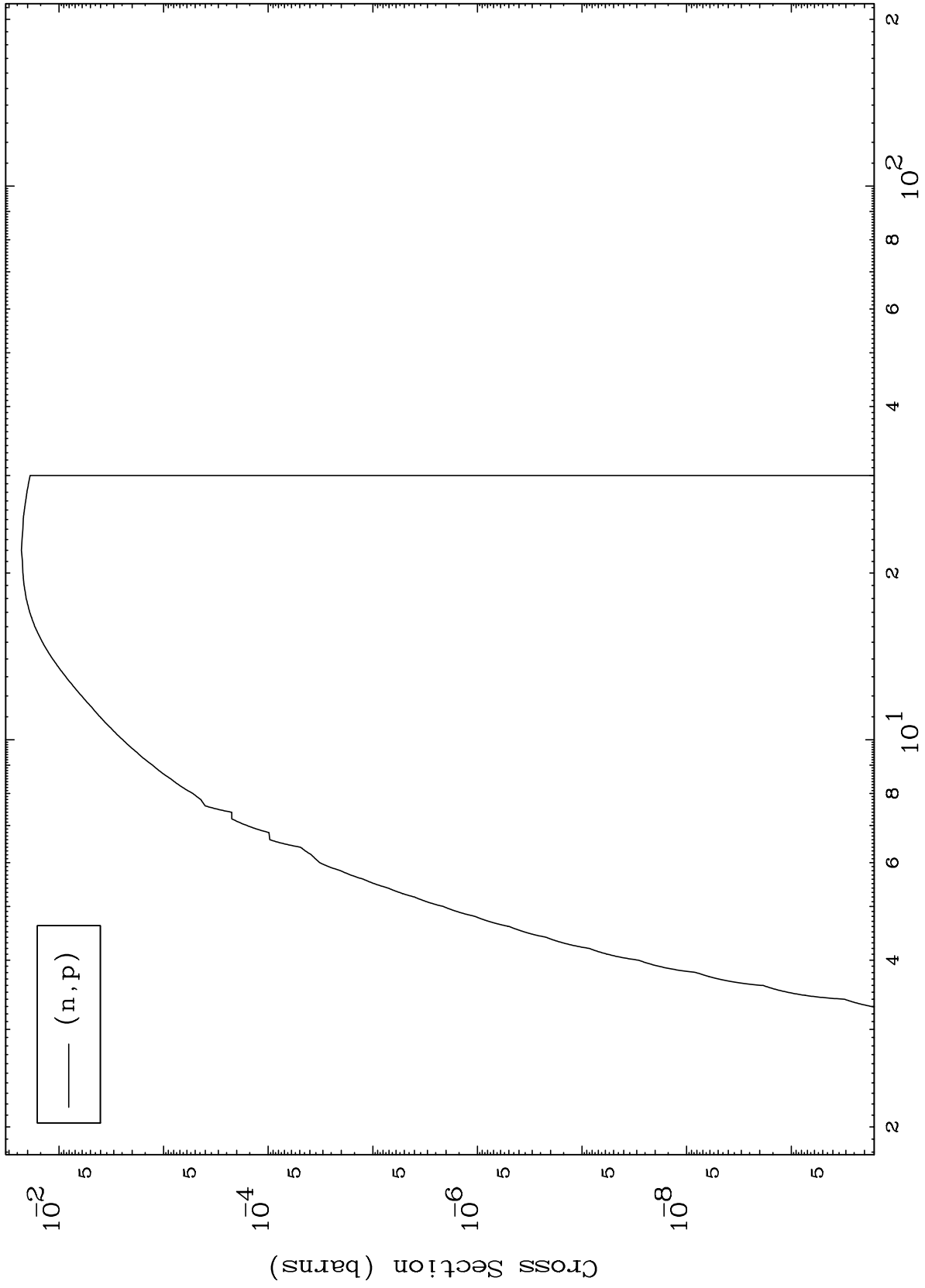
293 Kelvin Cross Sections



MAT 4137

(n,p) Levels
293 Kelvin Cross Sections

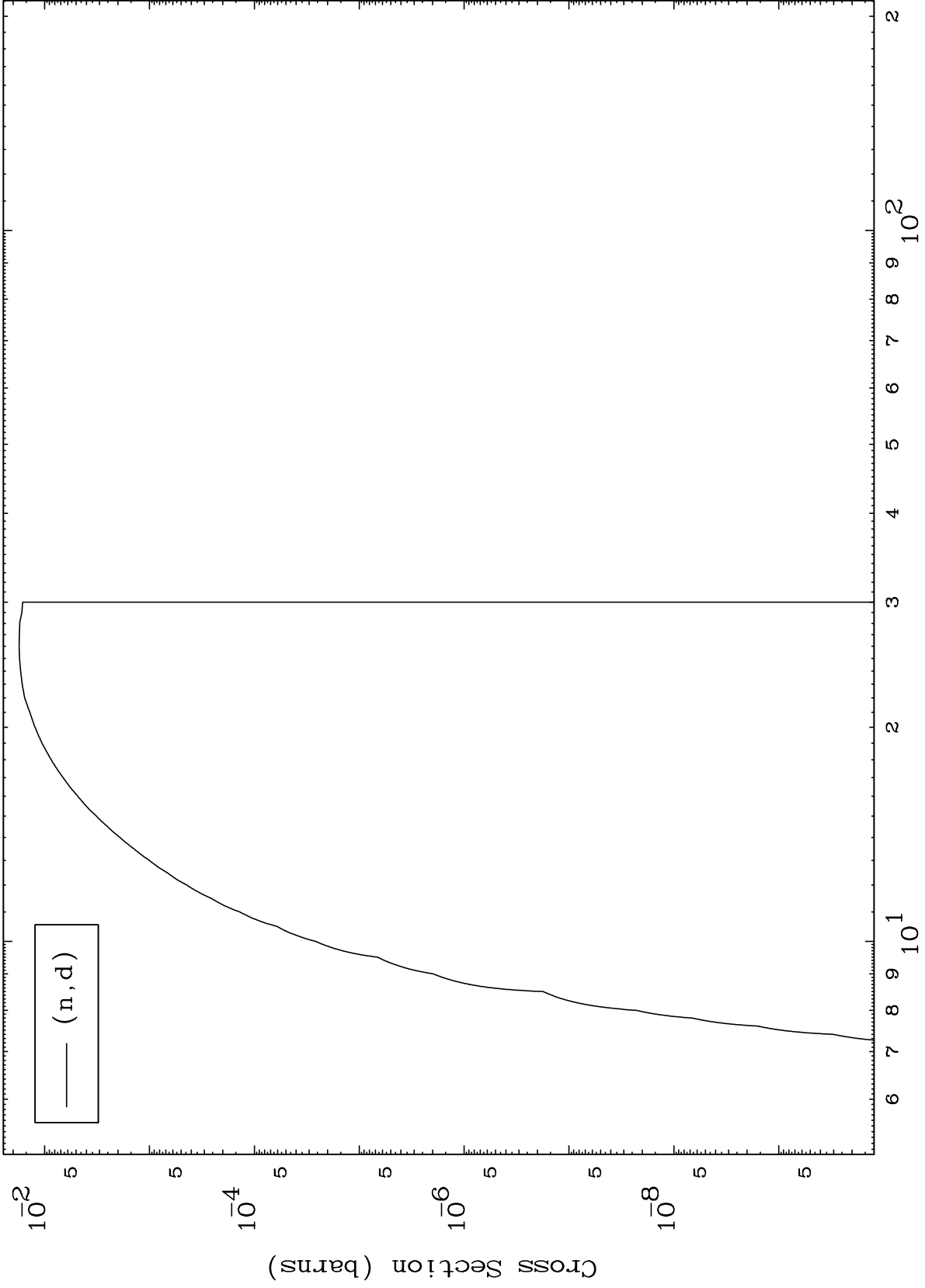
41-Nb-97



10

Incident Energy (MeV)

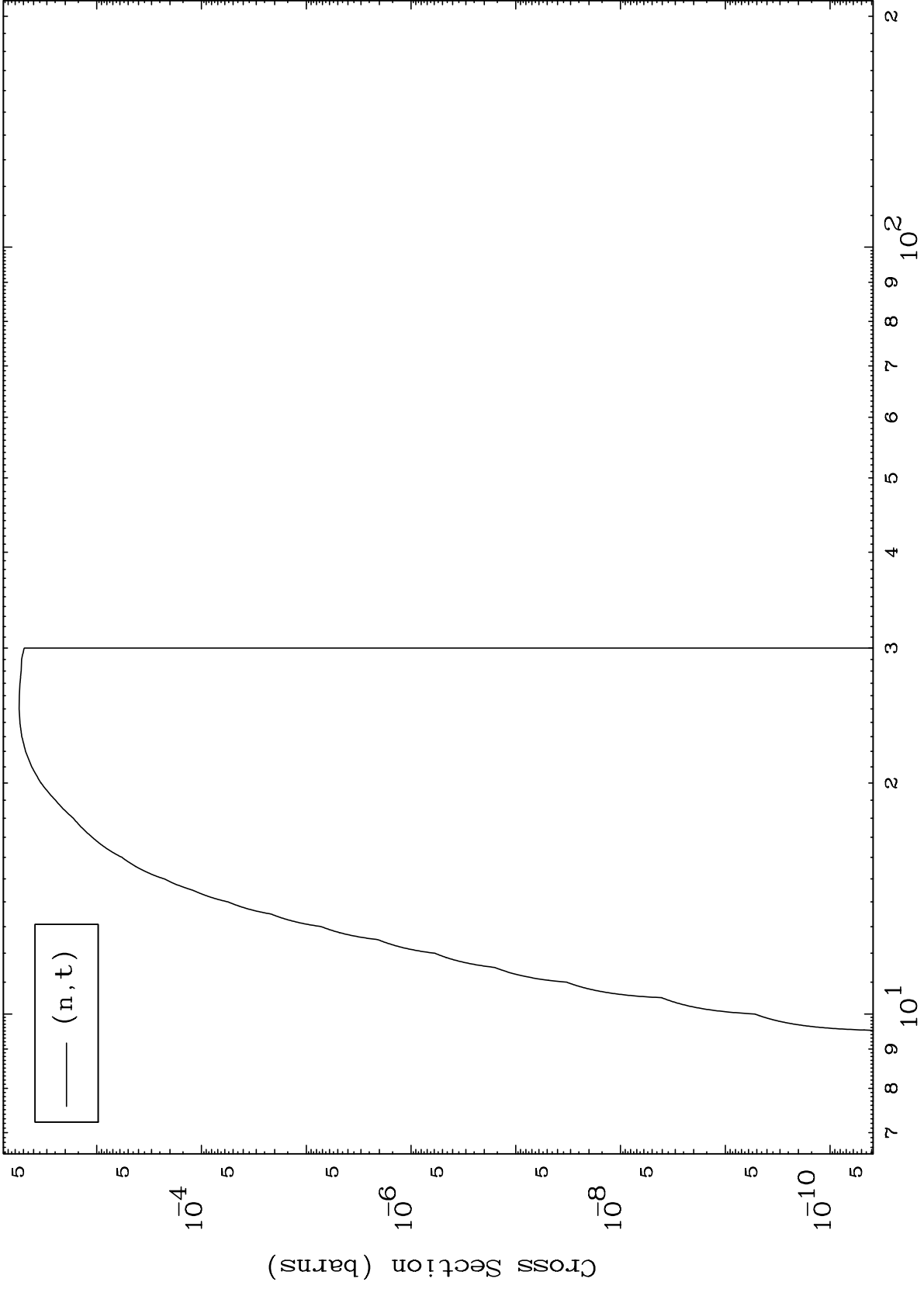
41-Nb-97



MAT 4137

(n,t) Levels
293 Kelvin Cross Sections

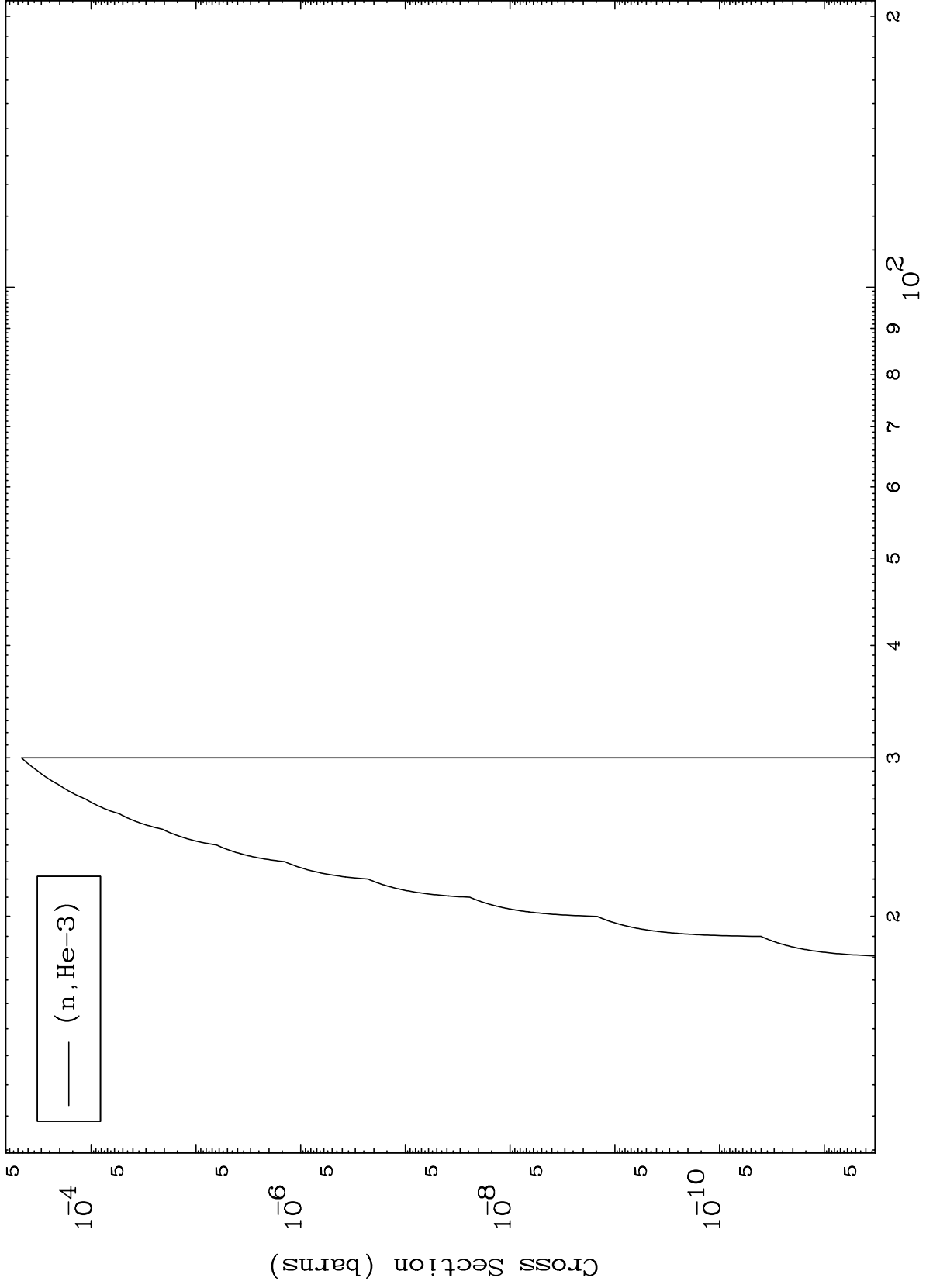
41-Nb-97



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Incident Energy (MeV)

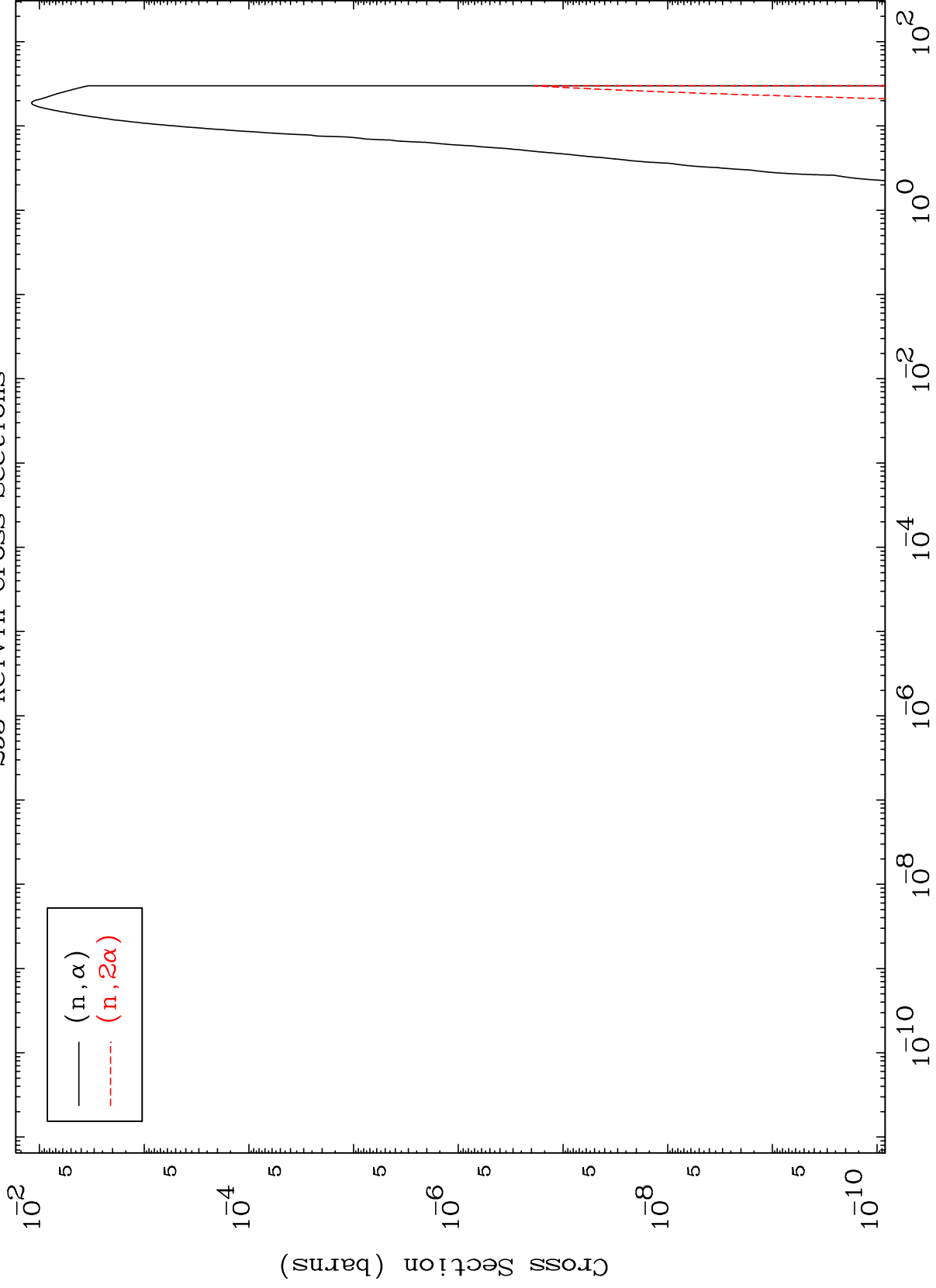
41-Nb-97



MAT 4137

(n, α) Levels
293 Kelvin Cross Sections

41-Nb-97



14

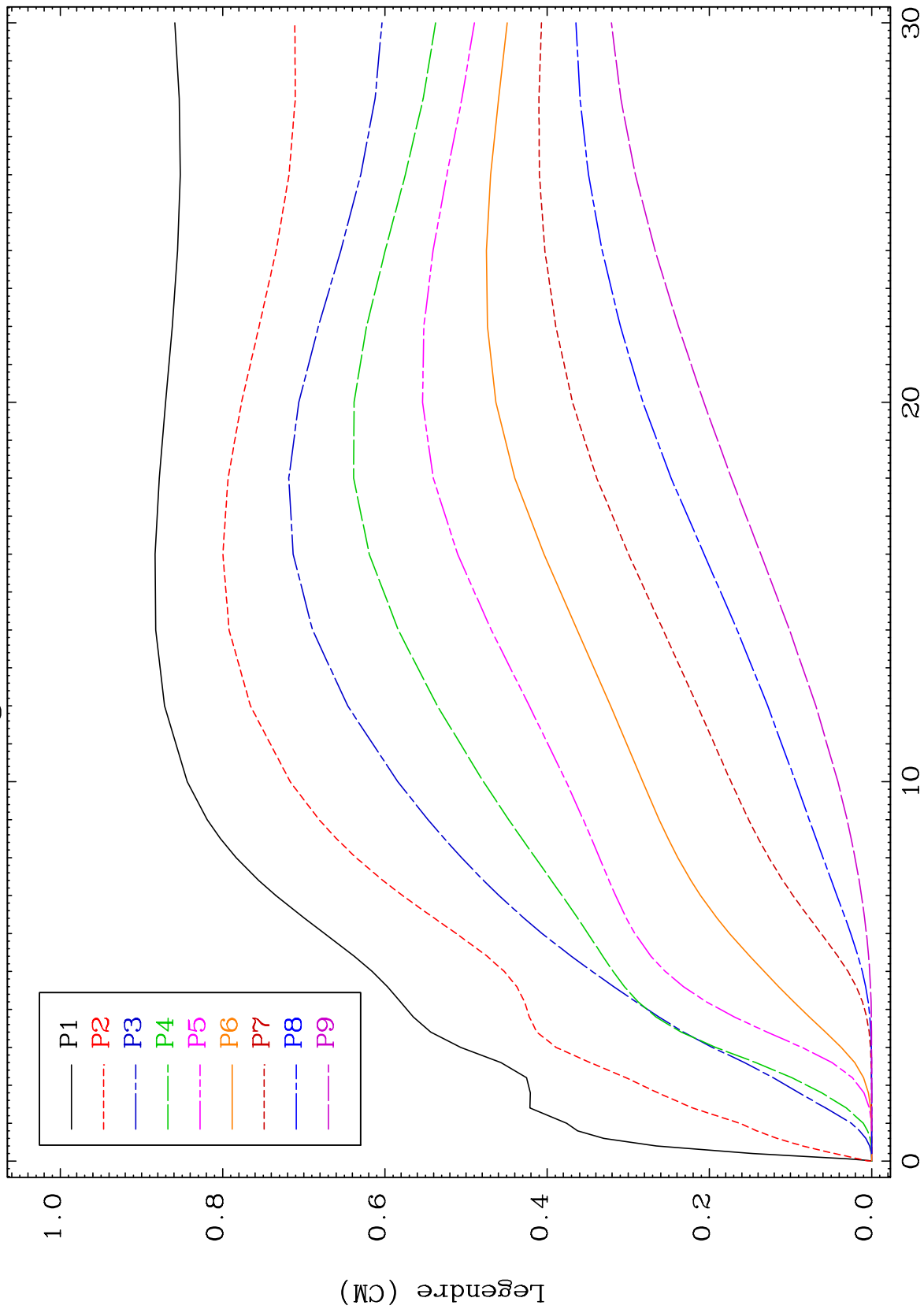
Incident Energy (MeV)

41-Nb-97

MAT 4137

Elastic Legendre Coefficients

41-Nb-97



15

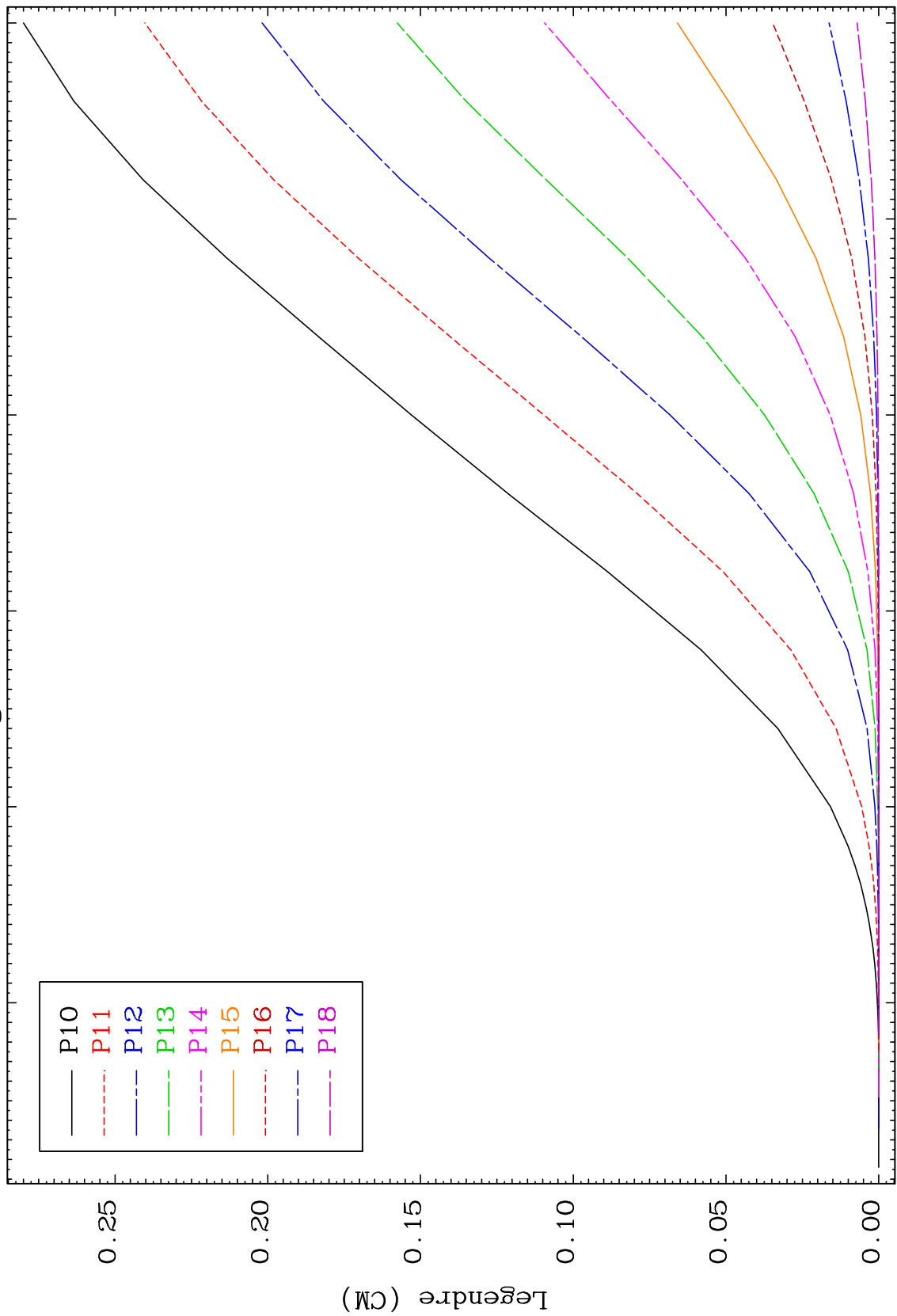
Incident Energy (MeV)

41-Nb-97

MAT 4137

Elastic Legendre Coefficients

41-Nb-97



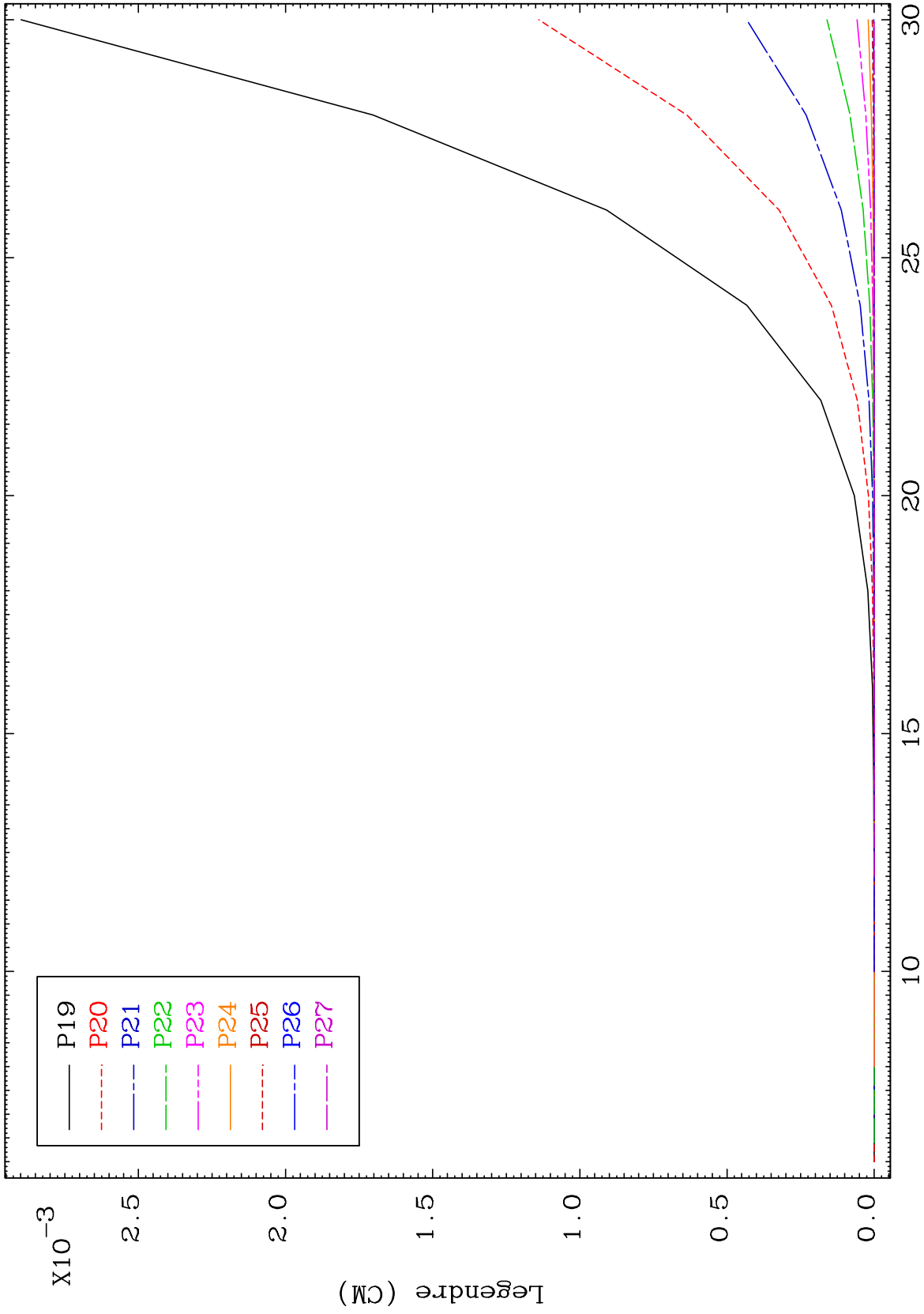
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41-Nb-97

MAT 4137

Elastic Legendre Coefficients

41-Nb-97



17

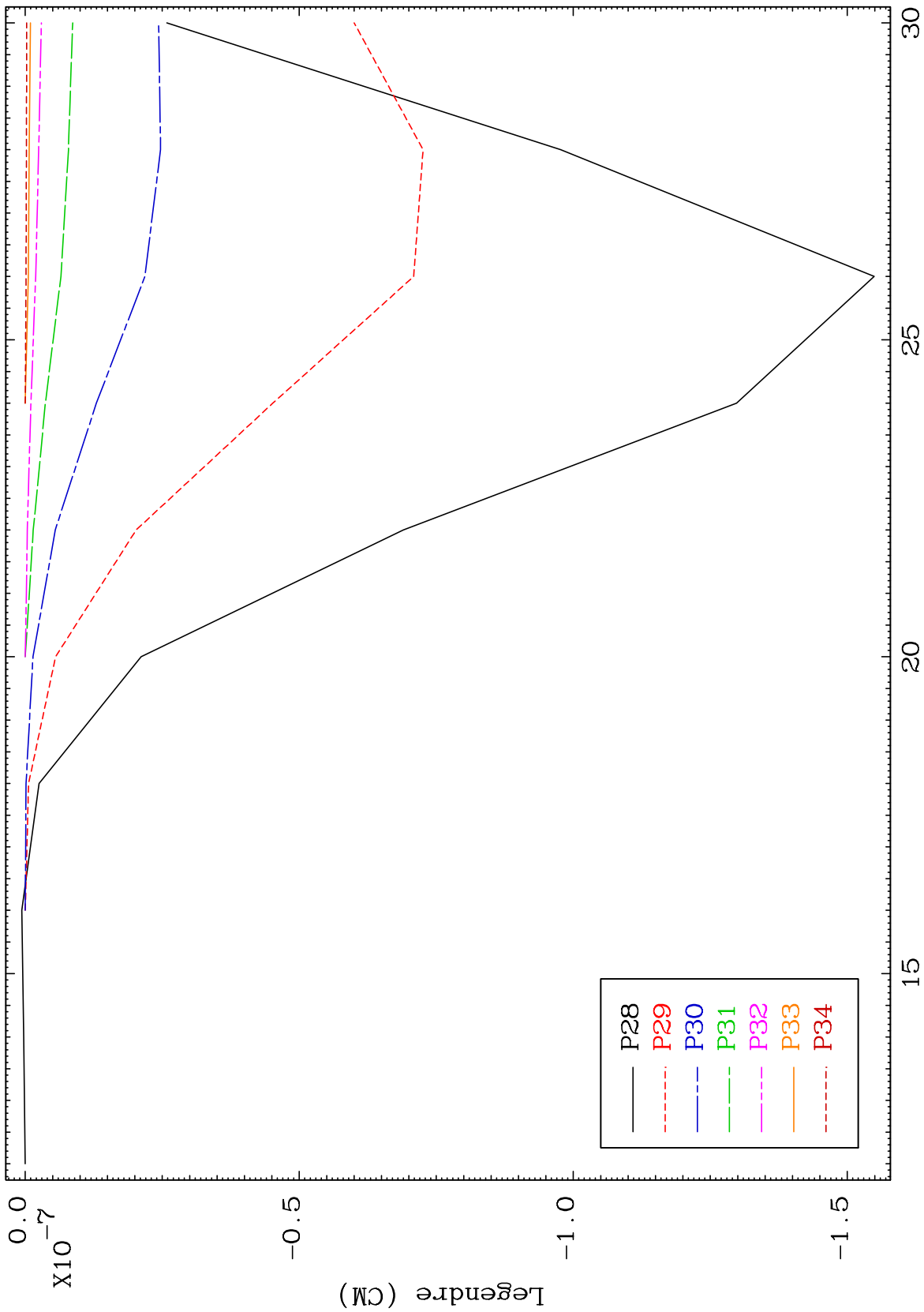
Incident Energy (MeV)

41-Nb-97

MAT 4137

41-Nb-97

Elastic Legendre Coefficients



18

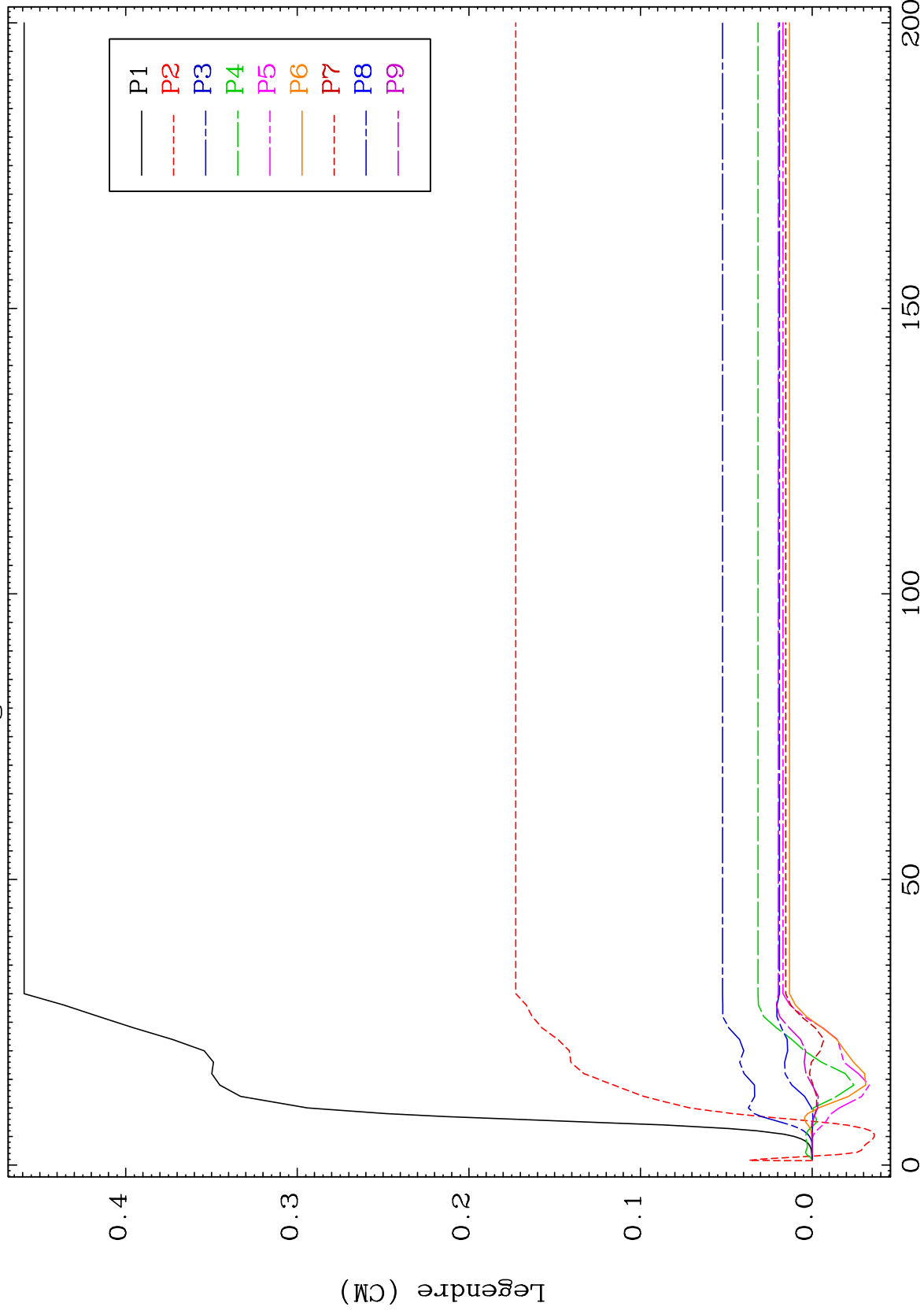
Incident Energy (MeV)

41-Nb-97

MAT 4137

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

41-Nb-97



19

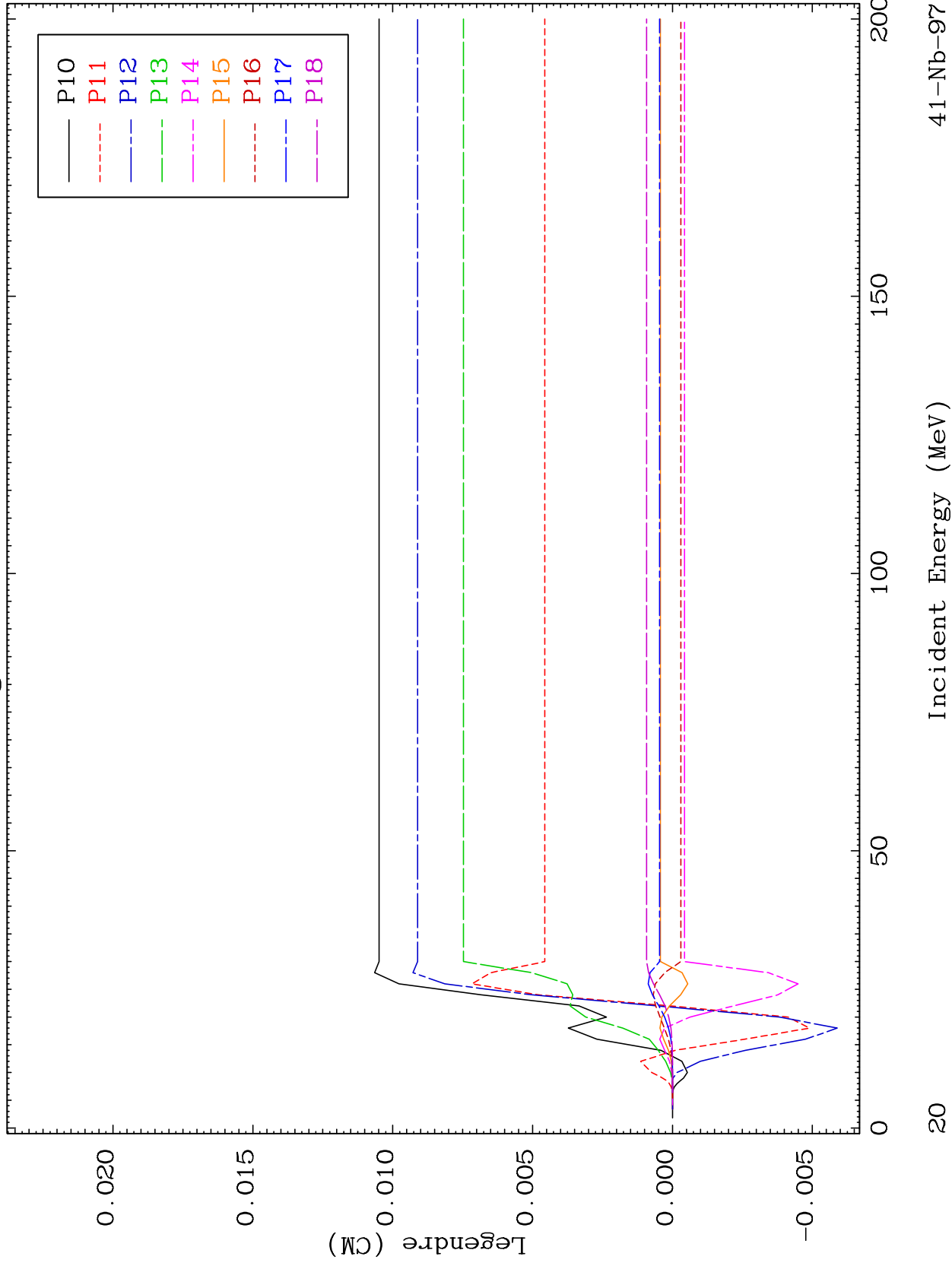
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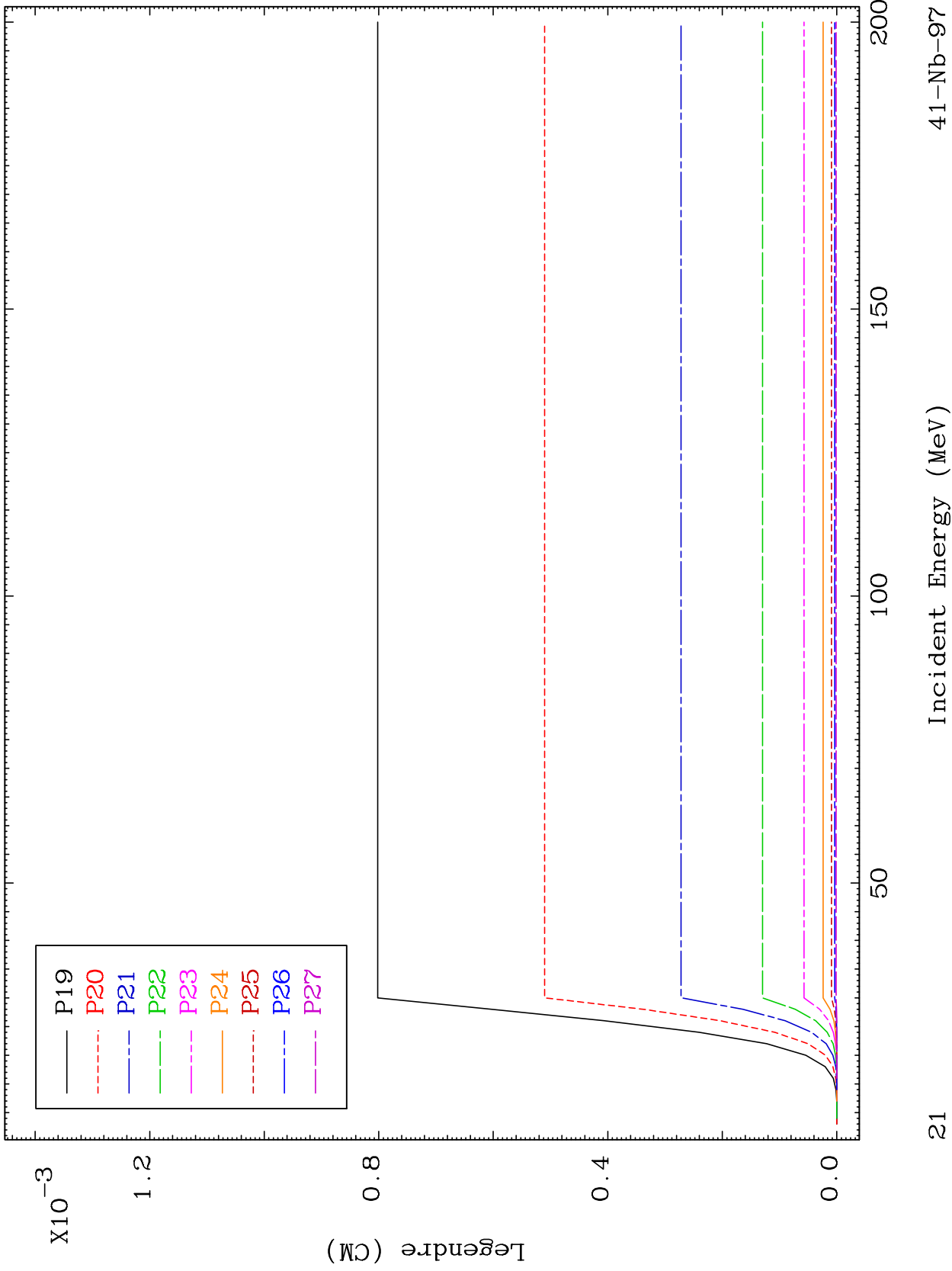
41-Nb-97

MAT 4137

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

41-Nb-97

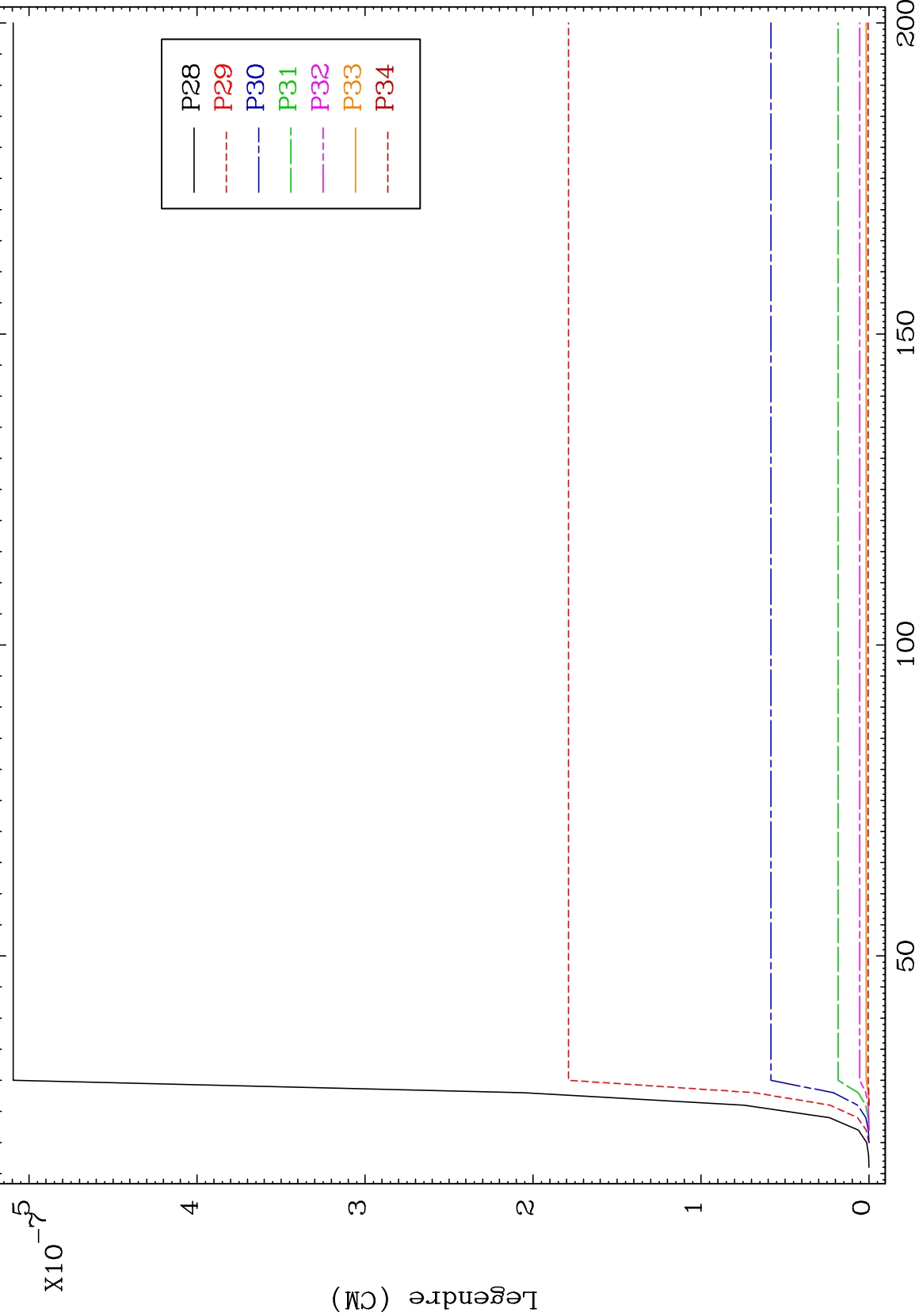




MAT 4137

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

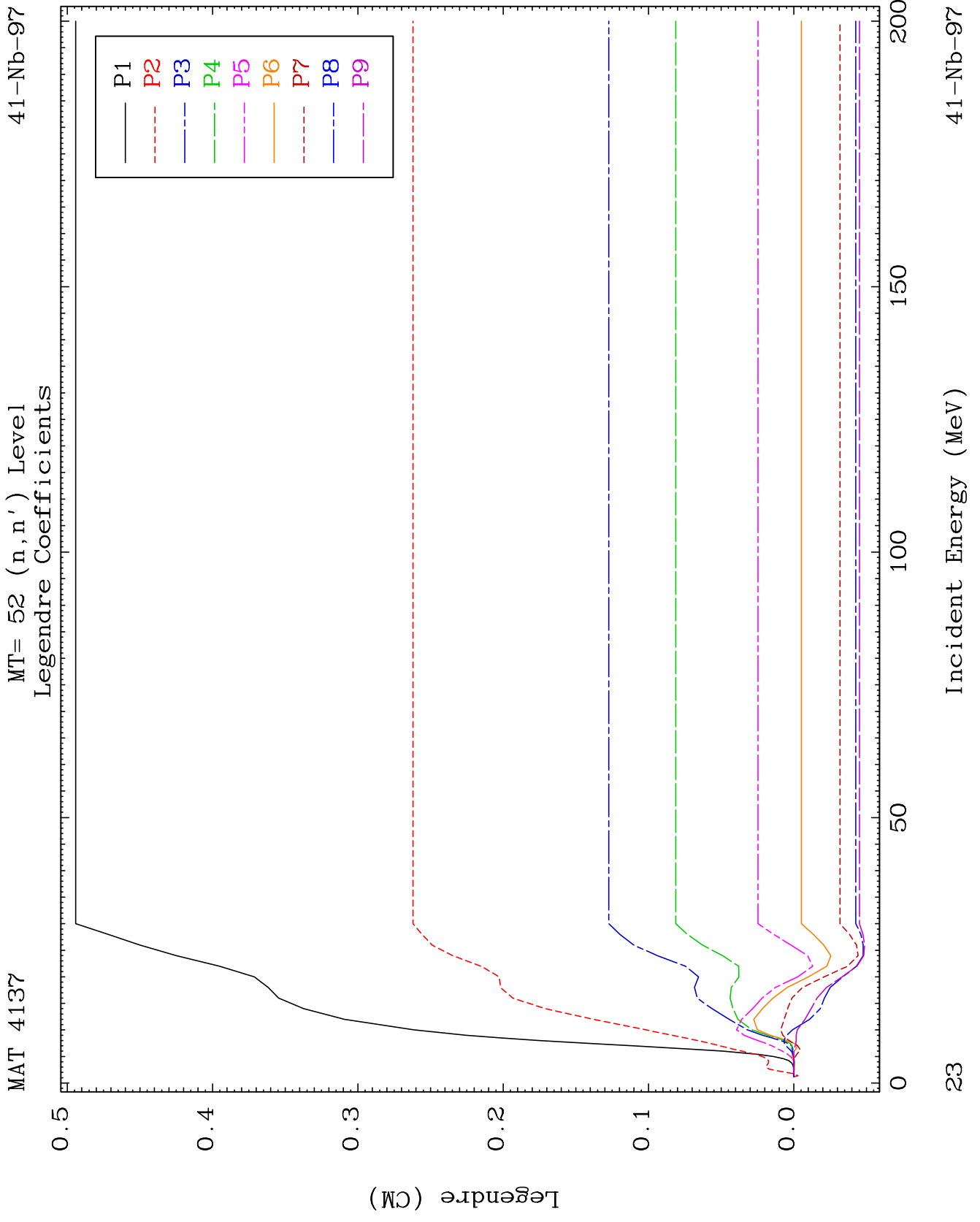
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22

Incident Energy (MeV)

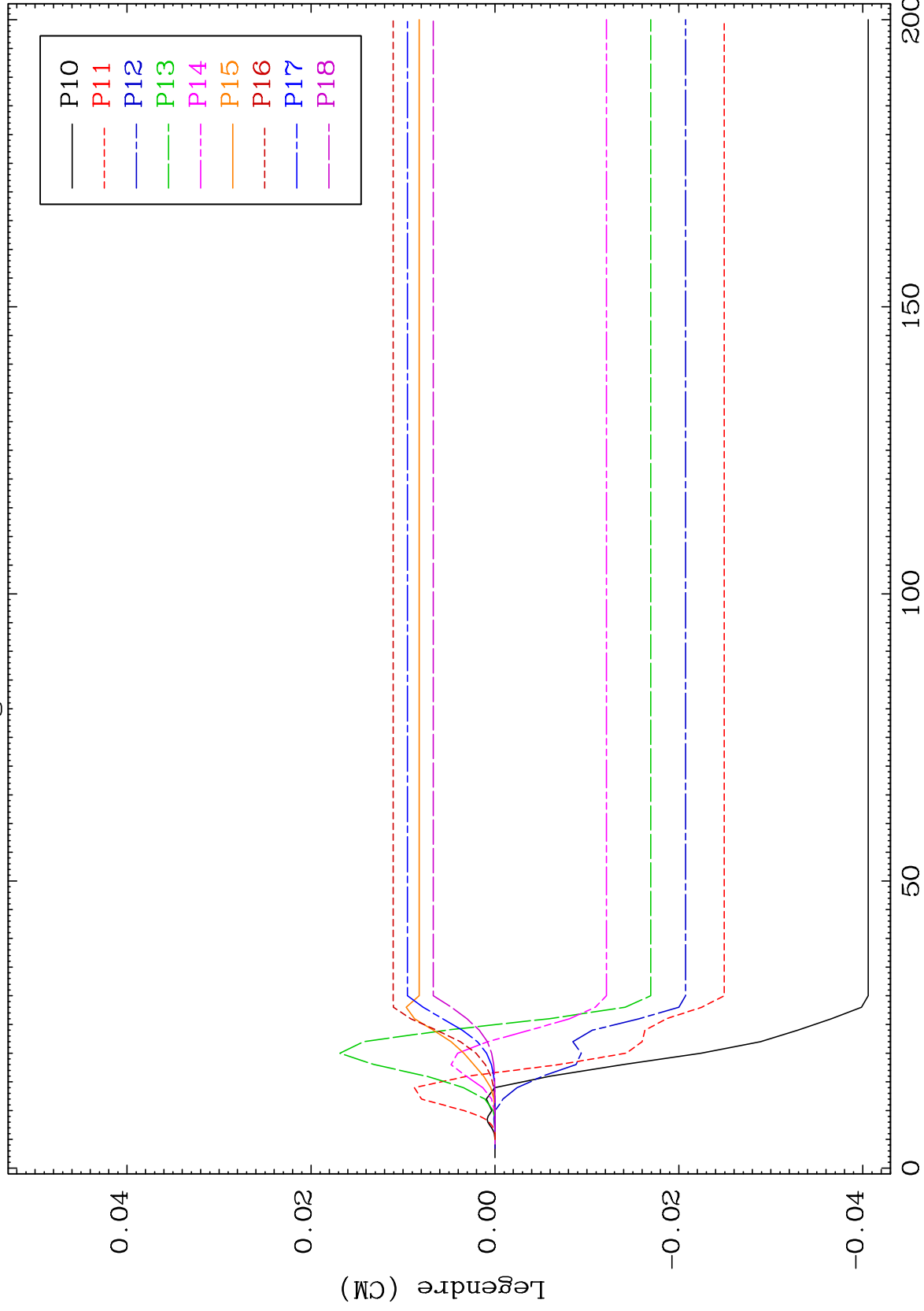
41-Nb-97



MAT 4137

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

41-Nb-97



24

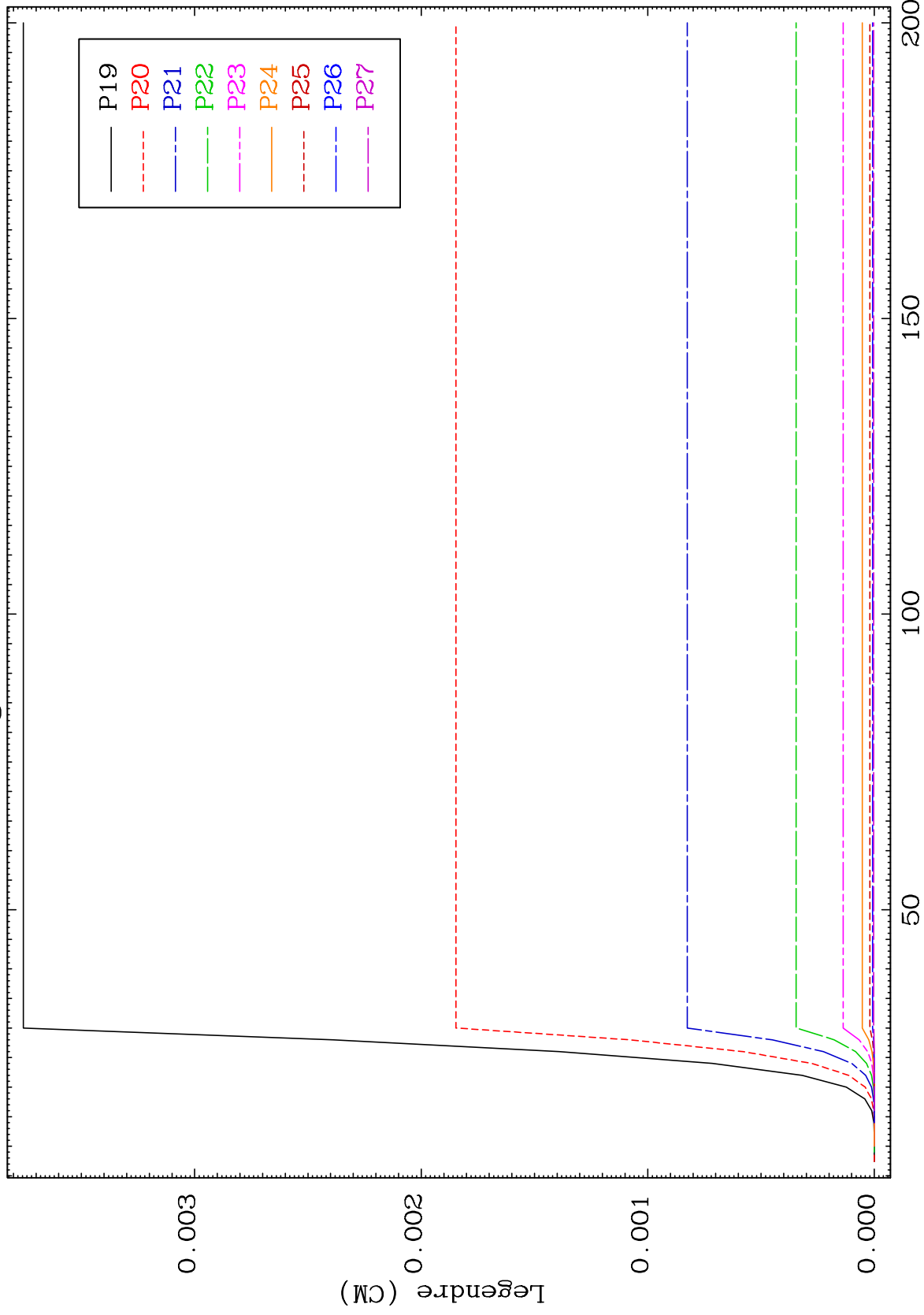
Incident Energy (MeV)

41-Nb-97

MAT 4137

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

41-Nb-97



25

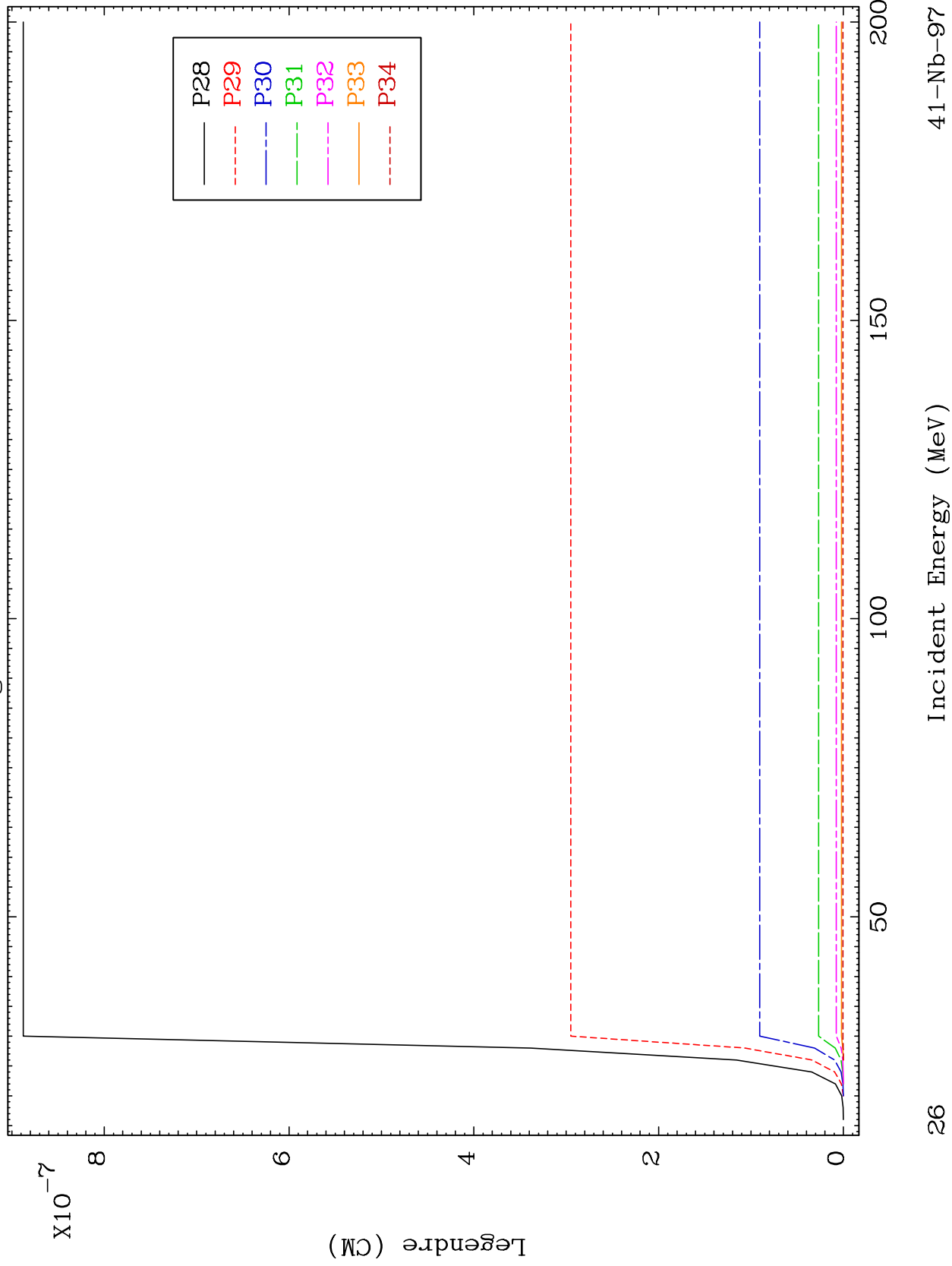
Incident Energy (MeV)

41-Nb-97

MAT 4137

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

41-Nb-97



26

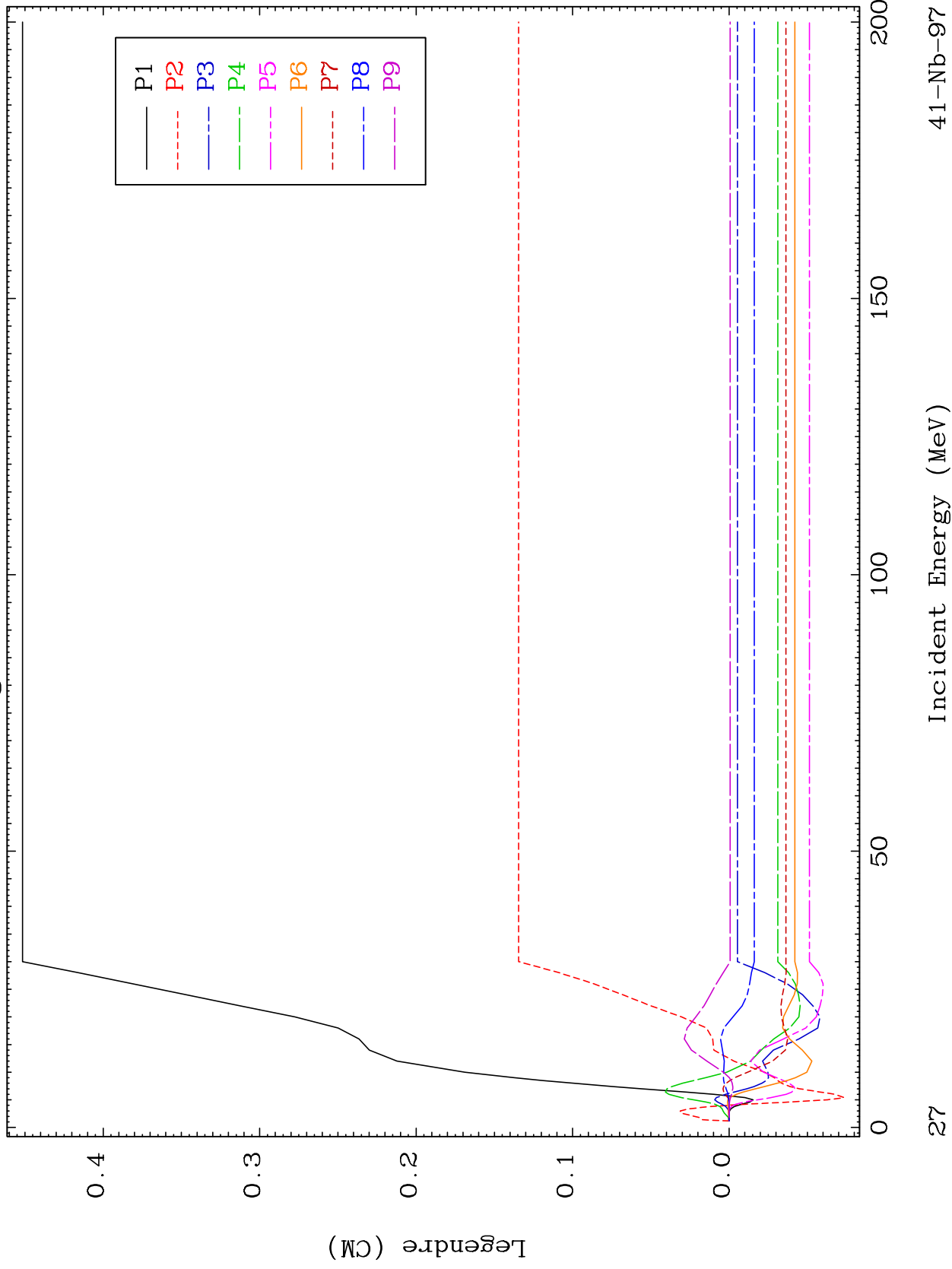
Incident Energy (MeV)

41-Nb-97

MAT 4137

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

41-Nb-97



41-Nb-97

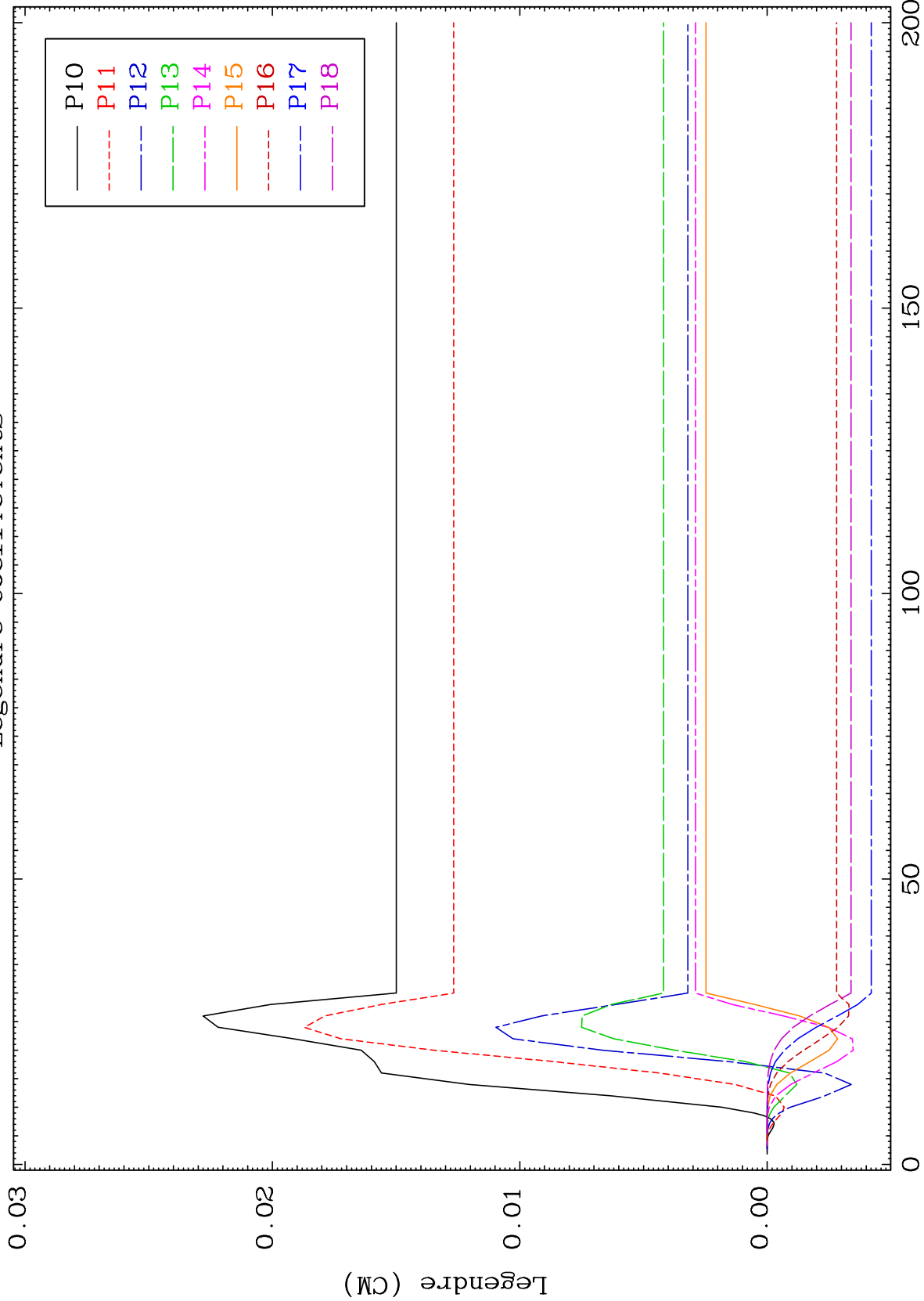
Incident Energy (MeV)

27

MAT 4137

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

41-Nb-97



28

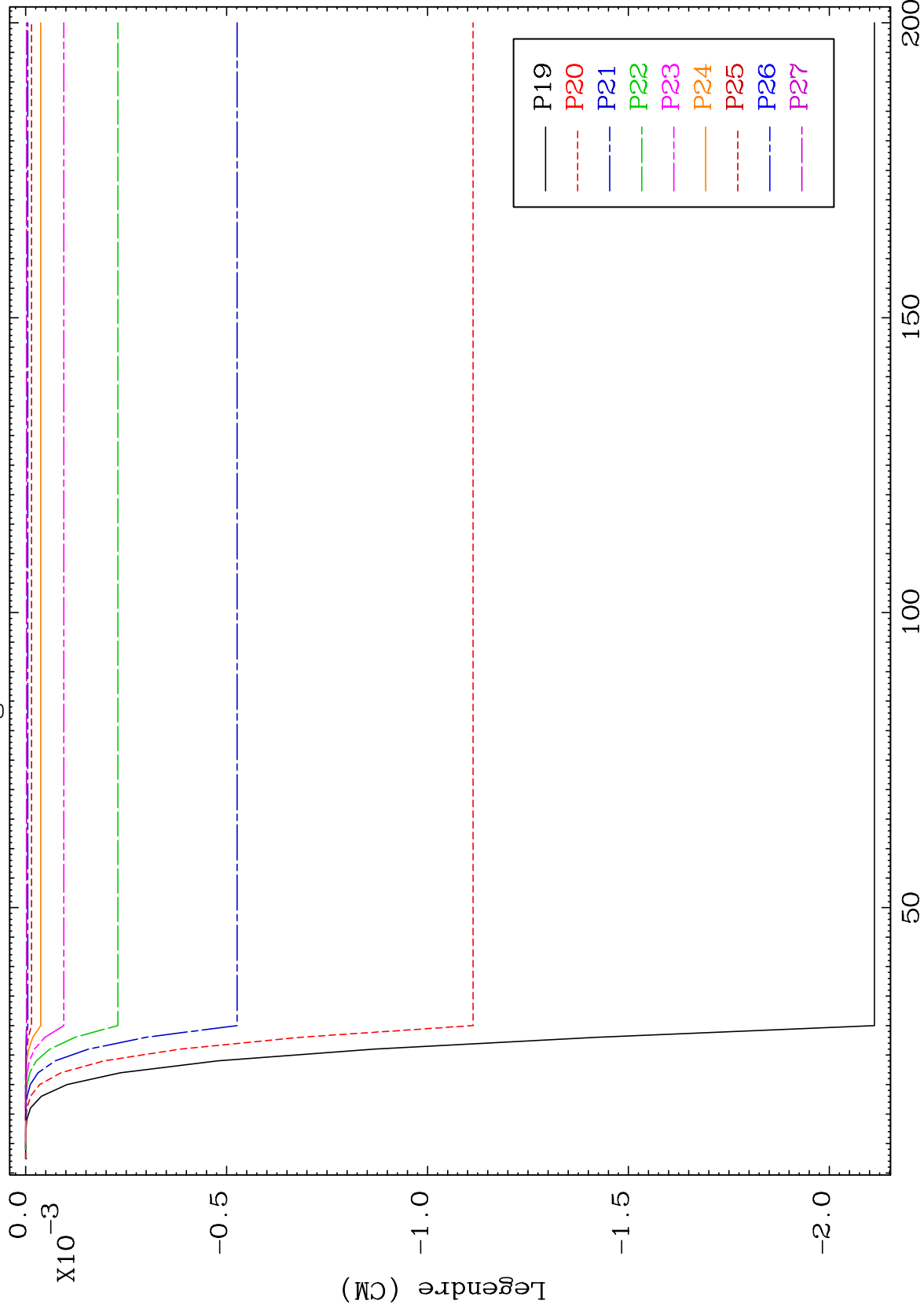
Incident Energy (MeV)

41-Nb-97

MAT 4137

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

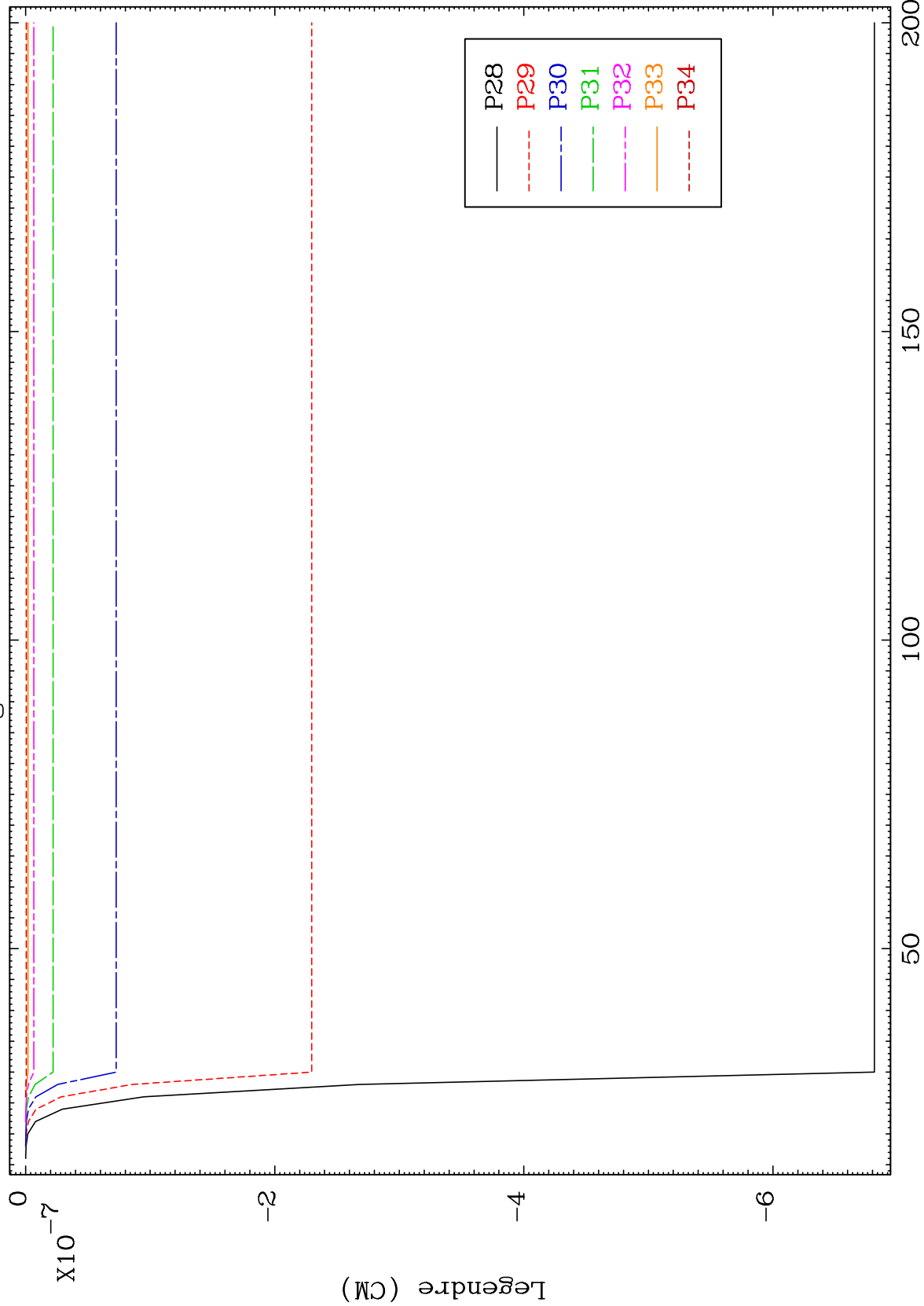
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MAT 4137

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

41-Nb-97



30

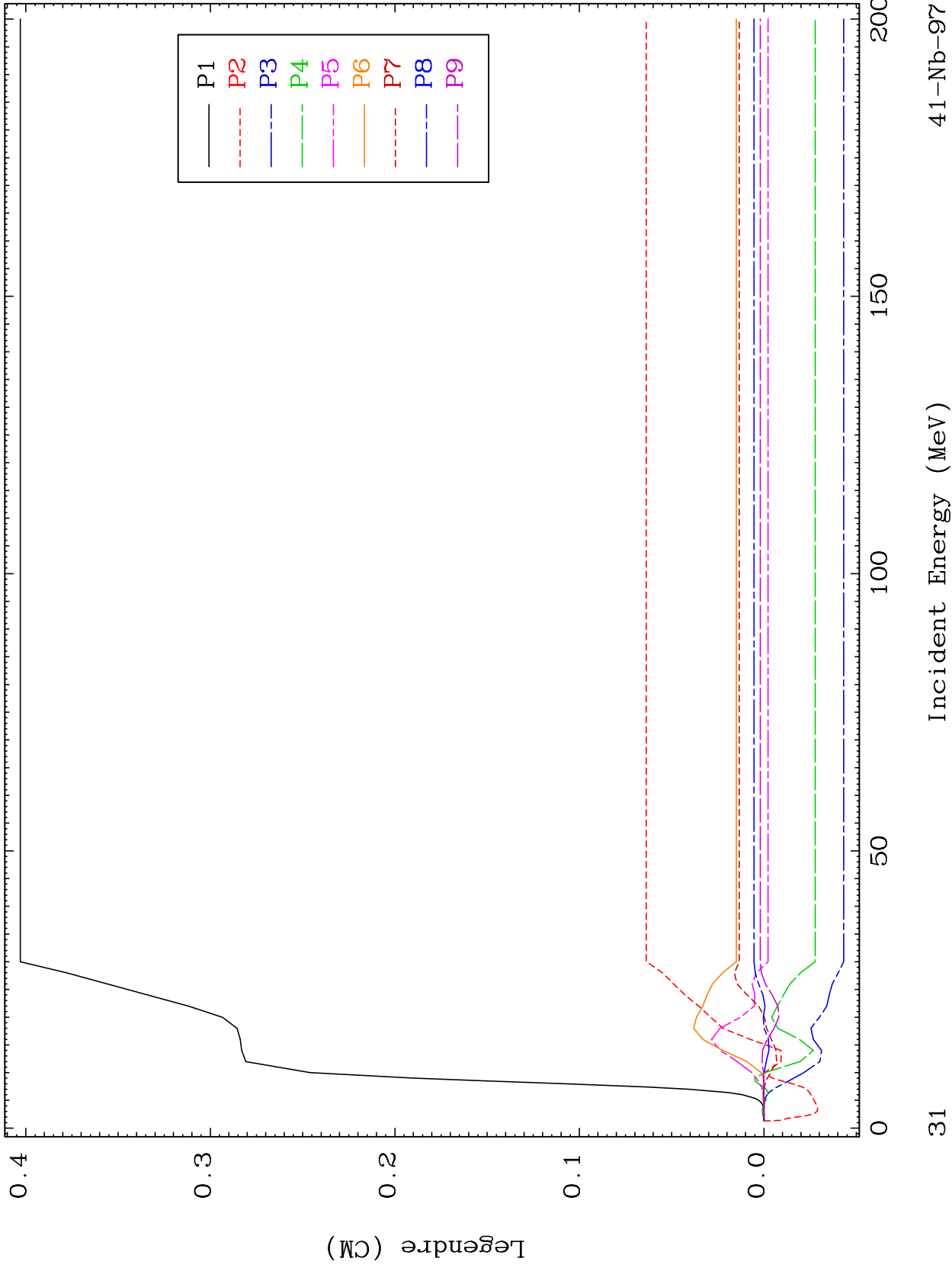
Incident Energy (MeV)

41-Nb-97

MAT 4137

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

41-Nb-97



31

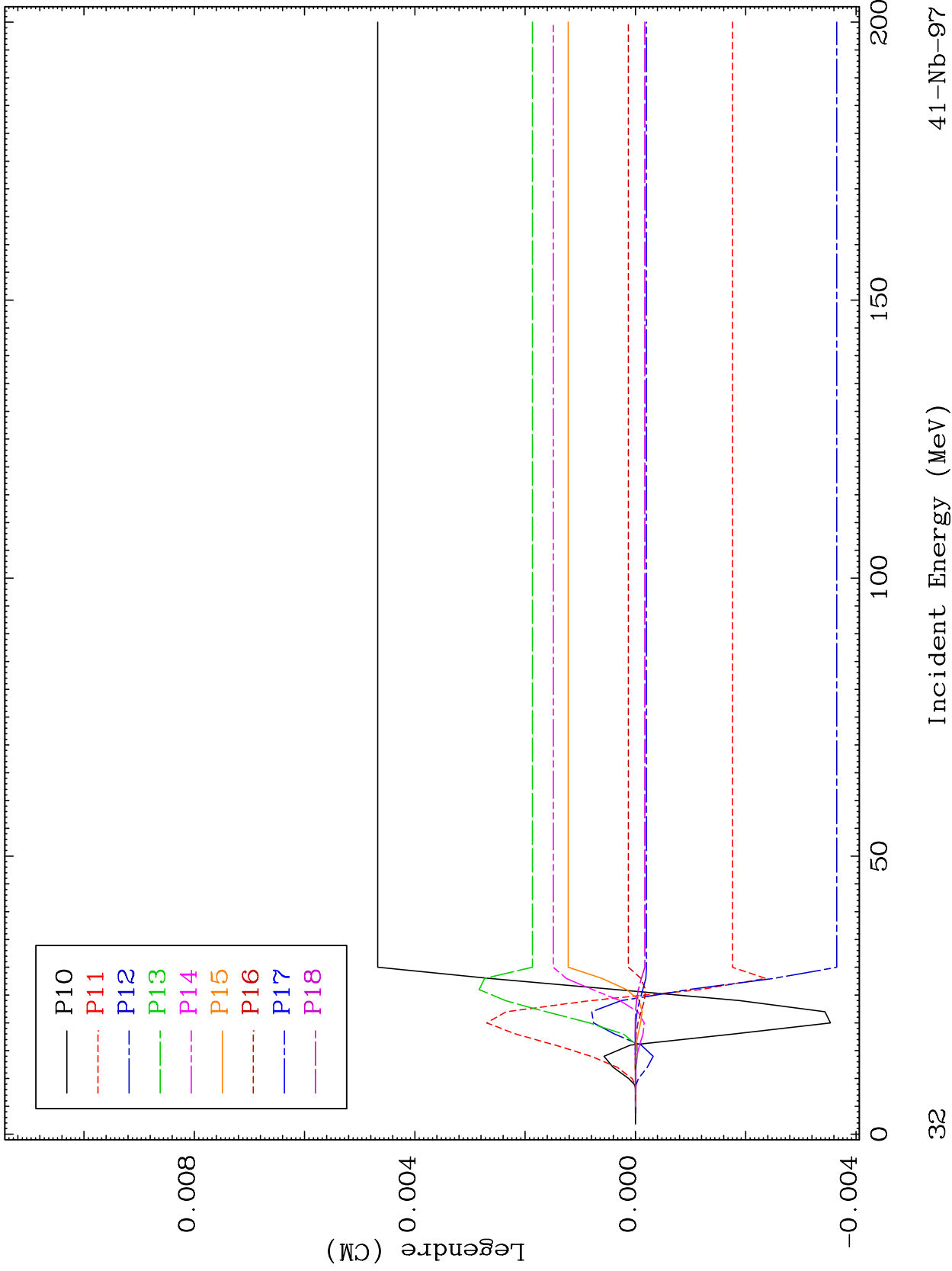
Incident Energy (MeV)

41-Nb-97

MAT 4137

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

41-Nb-97



32

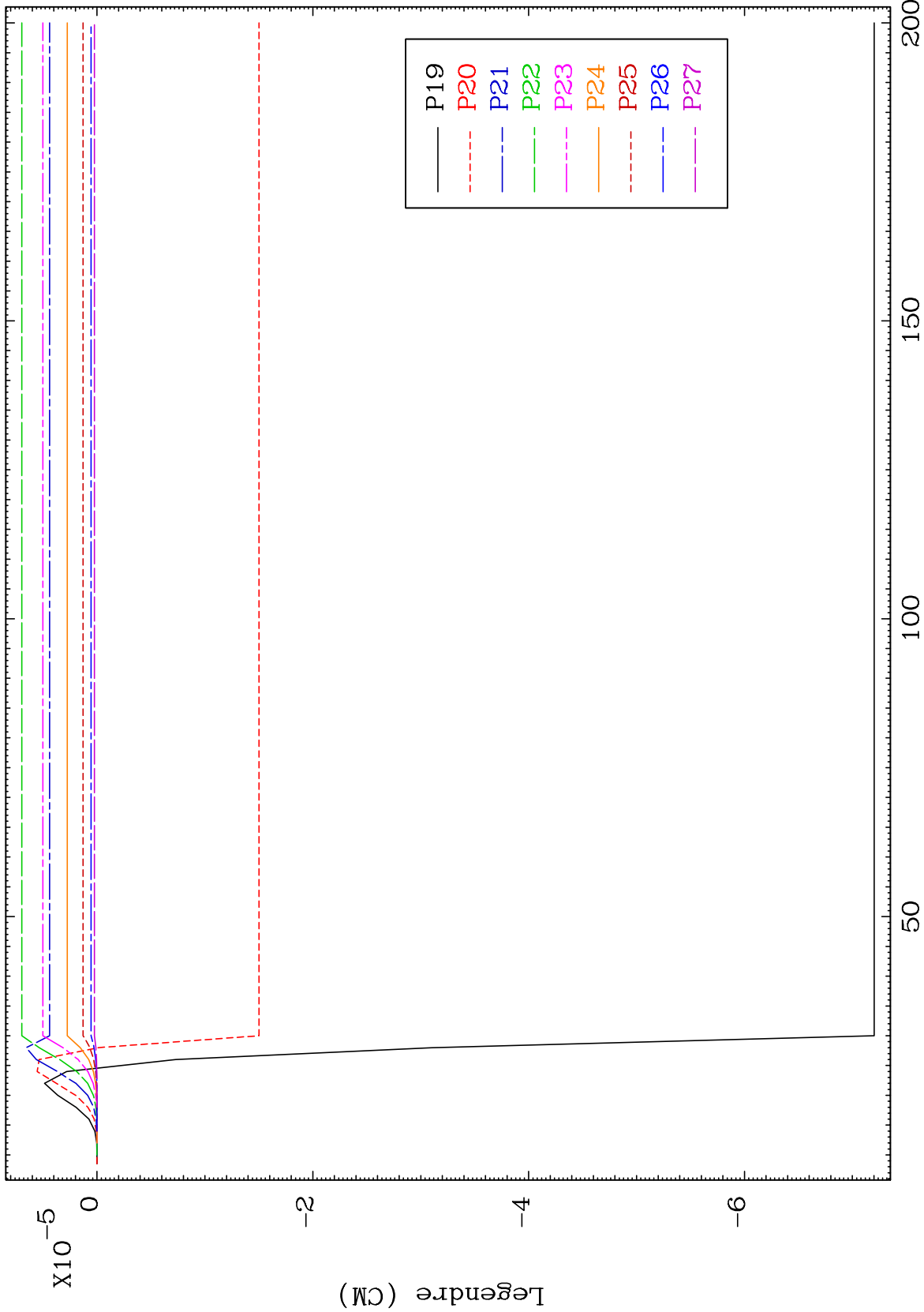
Incident Energy (MeV)

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MAT 4137

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

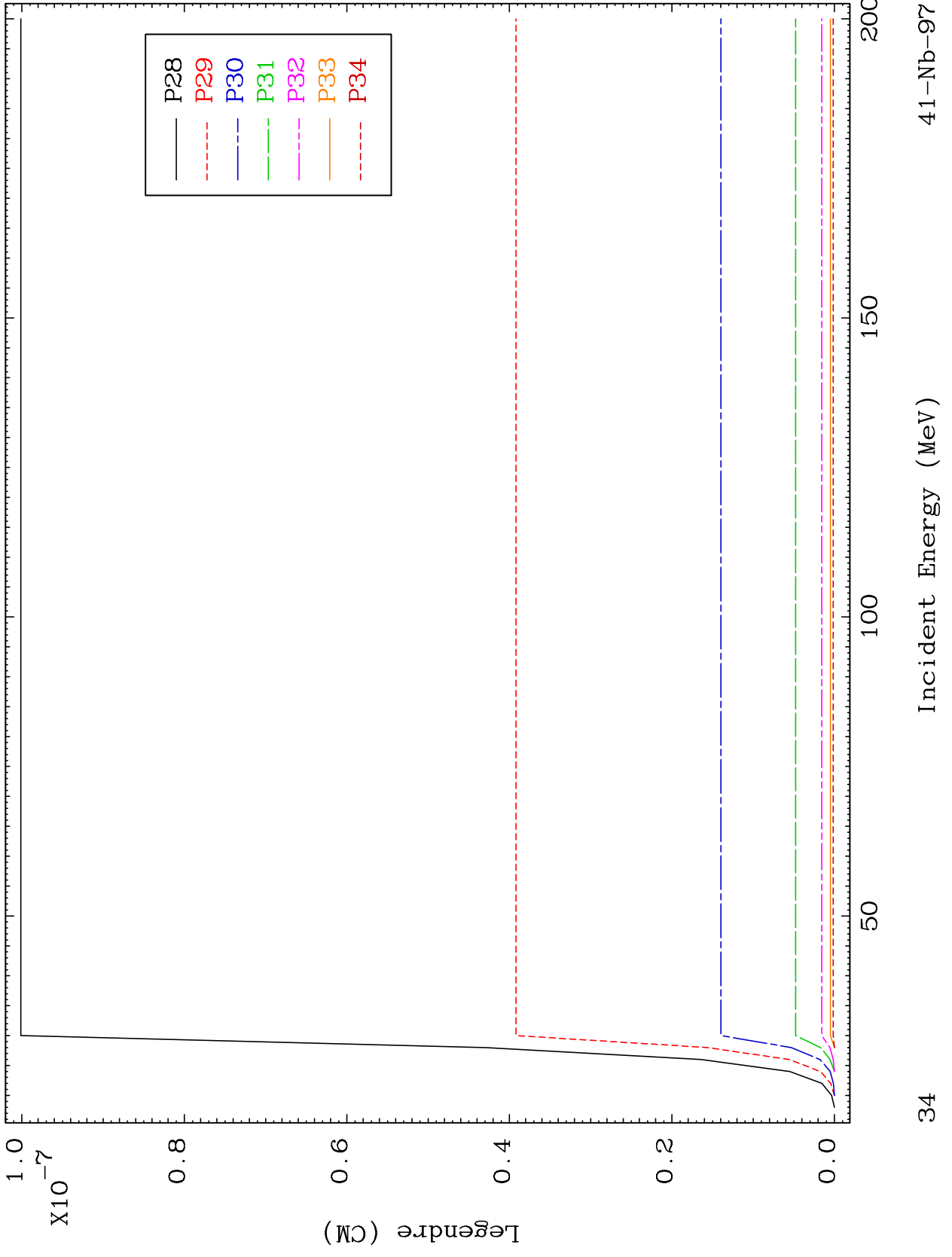
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MAT 4137

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

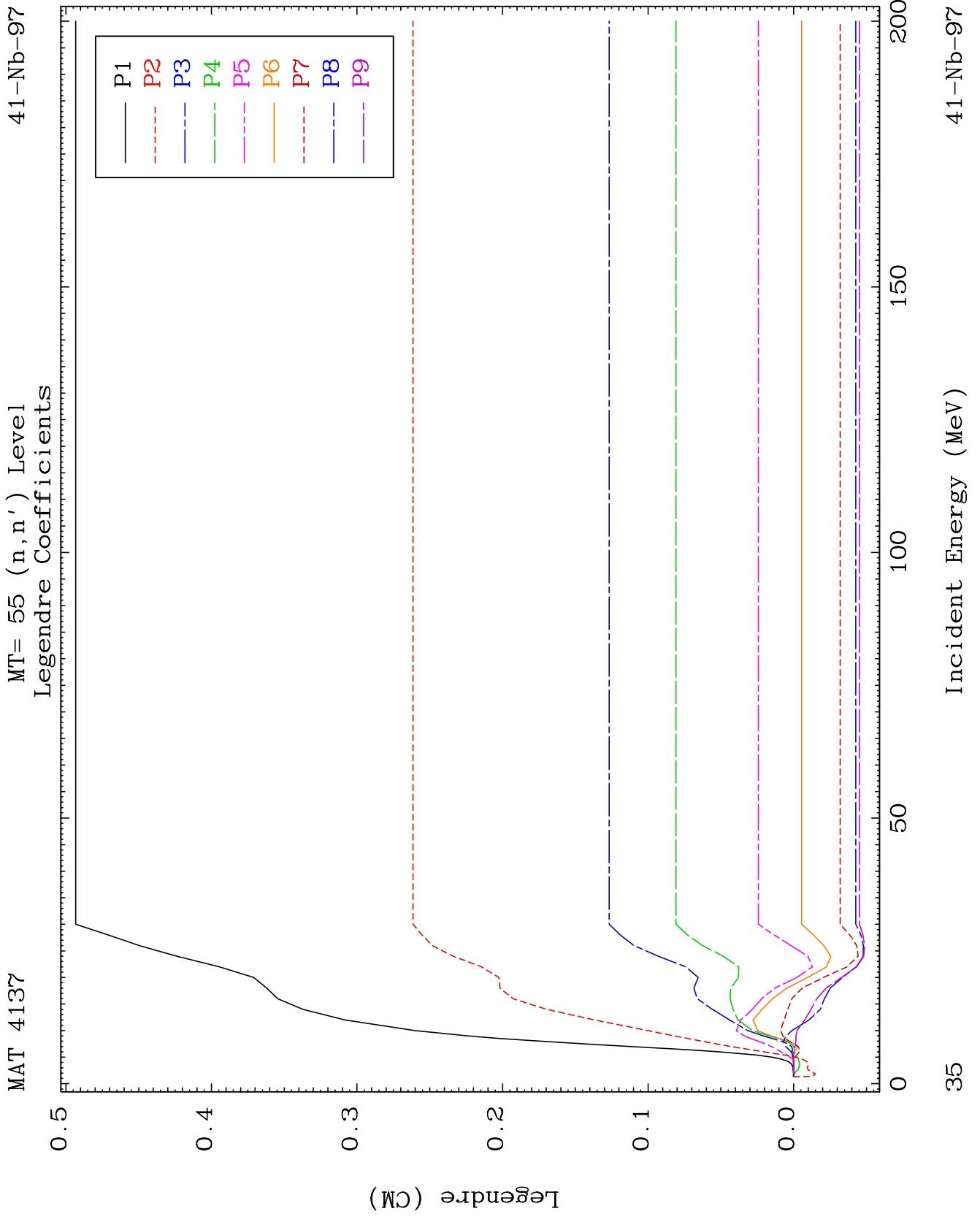
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34

Incident Energy (MeV)

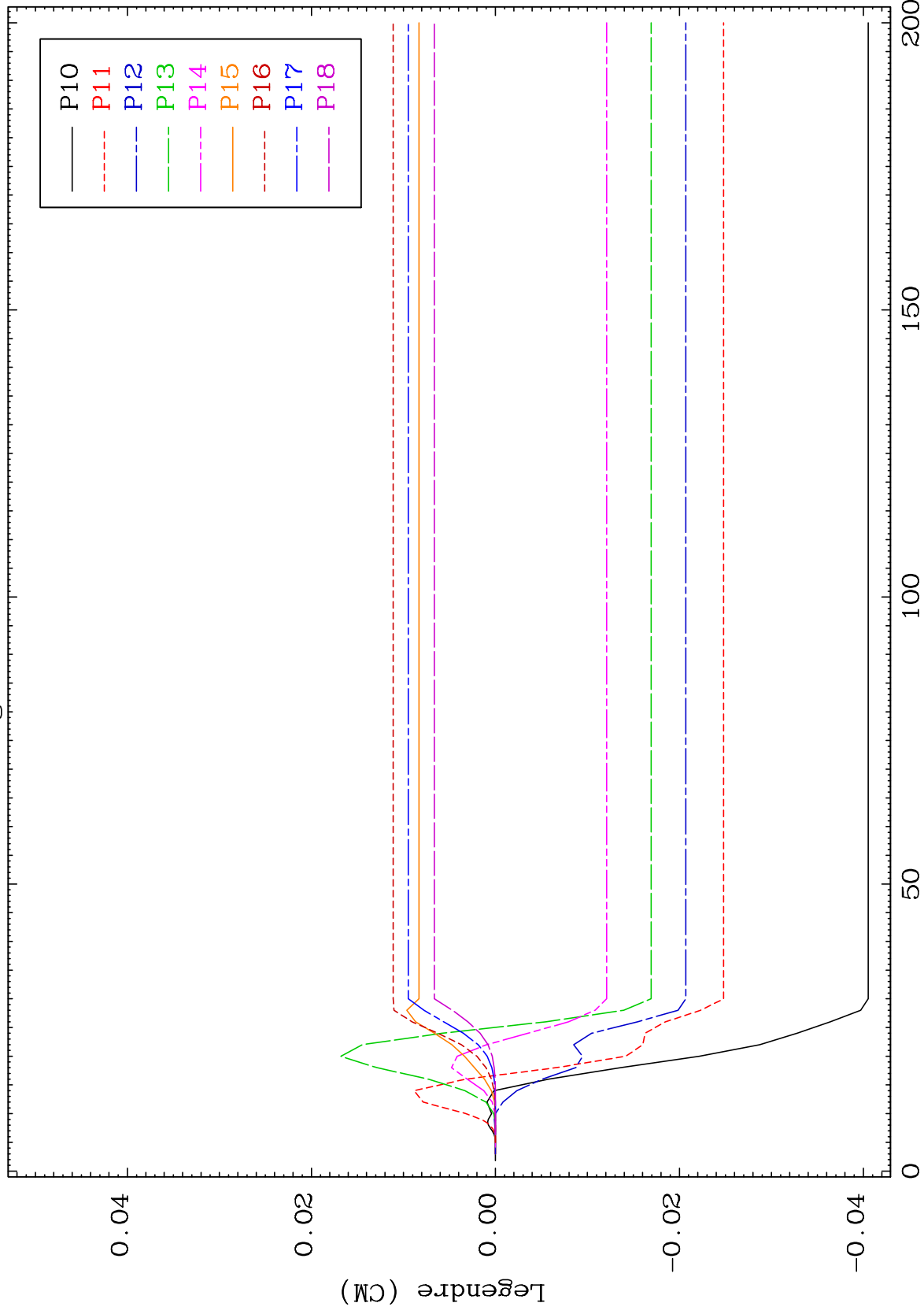
41-Nb-97



MAT 4137

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

41-Nb-97



36

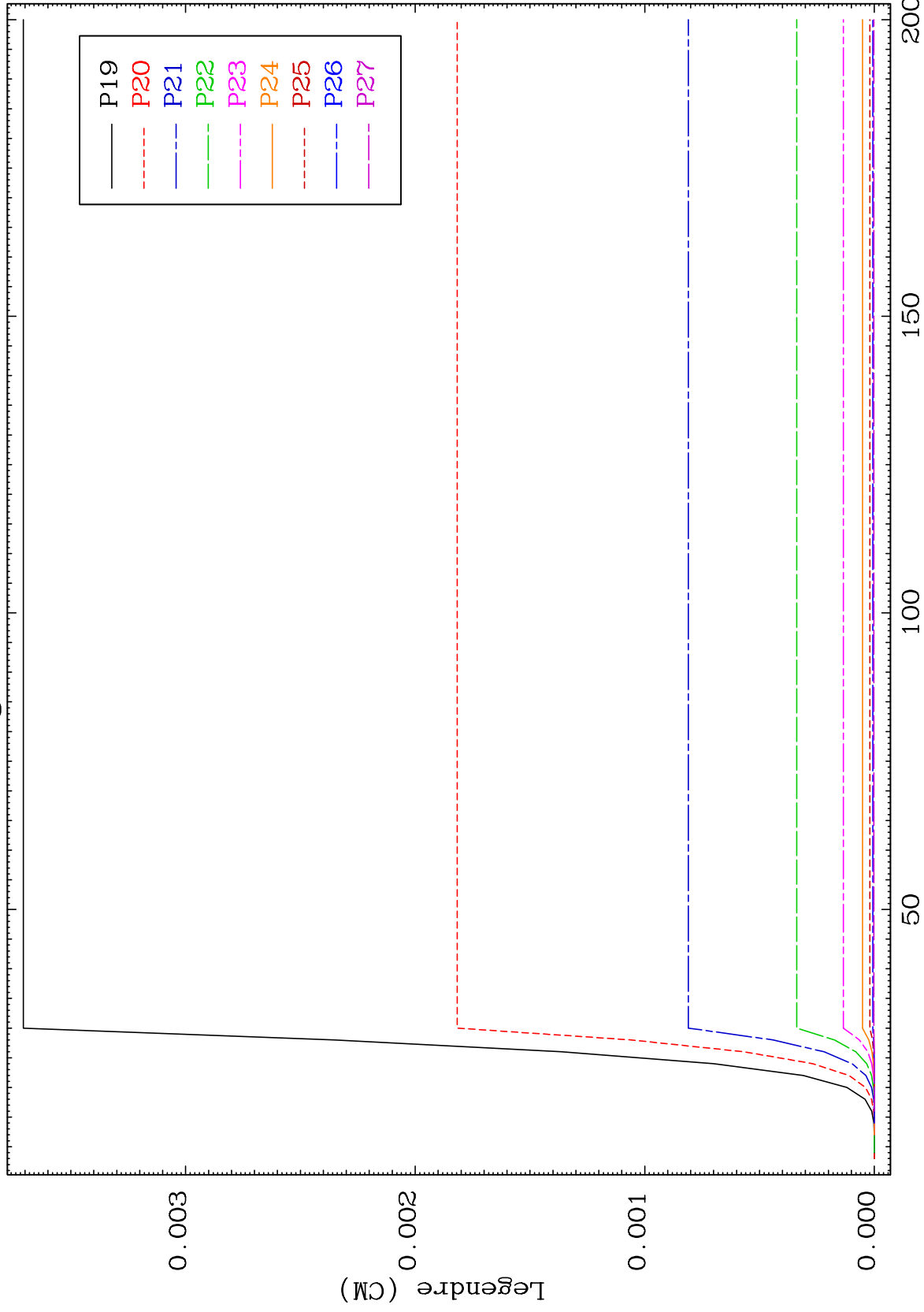
Incident Energy (MeV)

41-Nb-97

MAT 4137

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

41-Nb-97



37

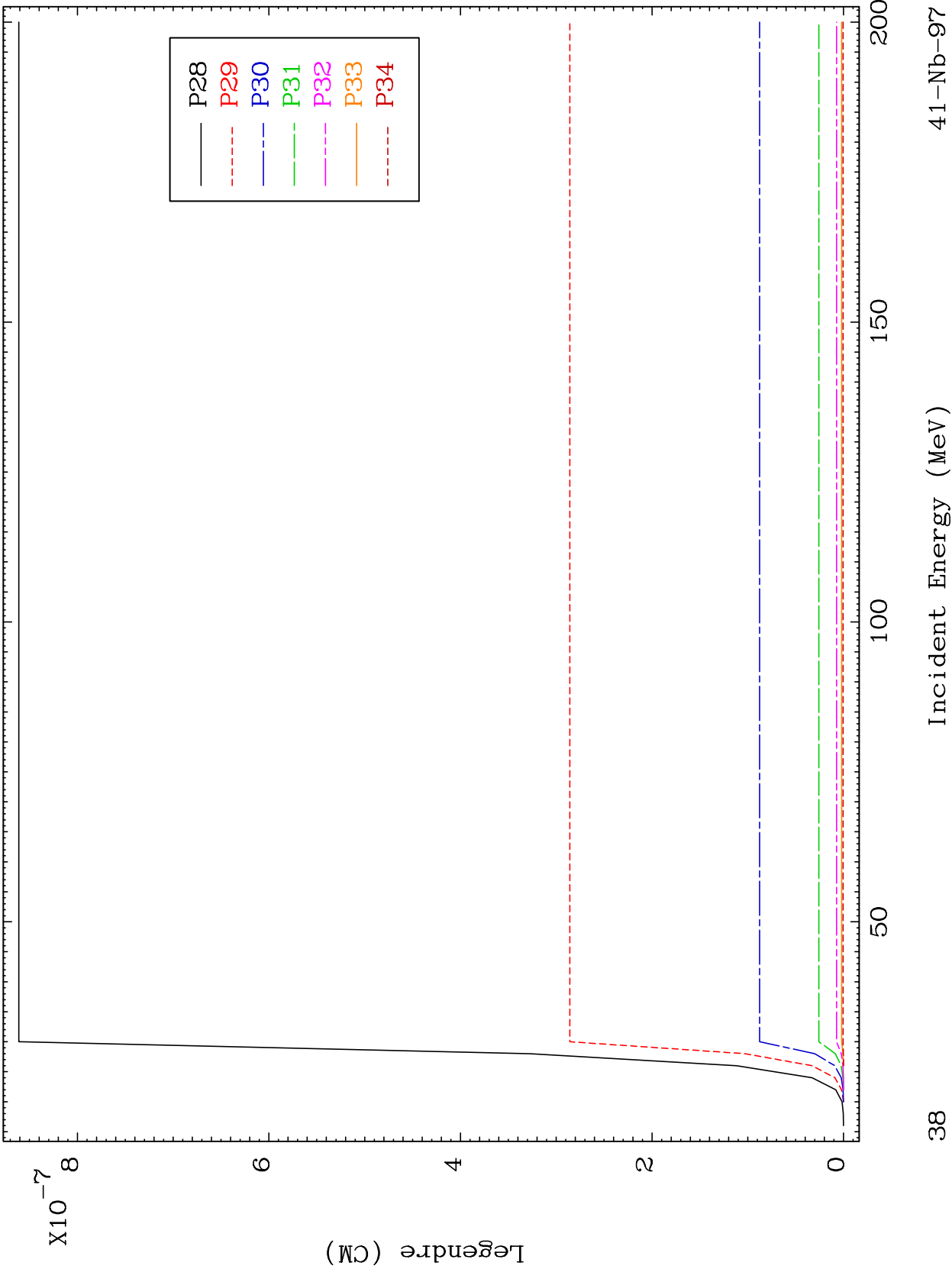
Incident Energy (MeV)

41-Nb-97

MAT 4137

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

41-Nb-97



38

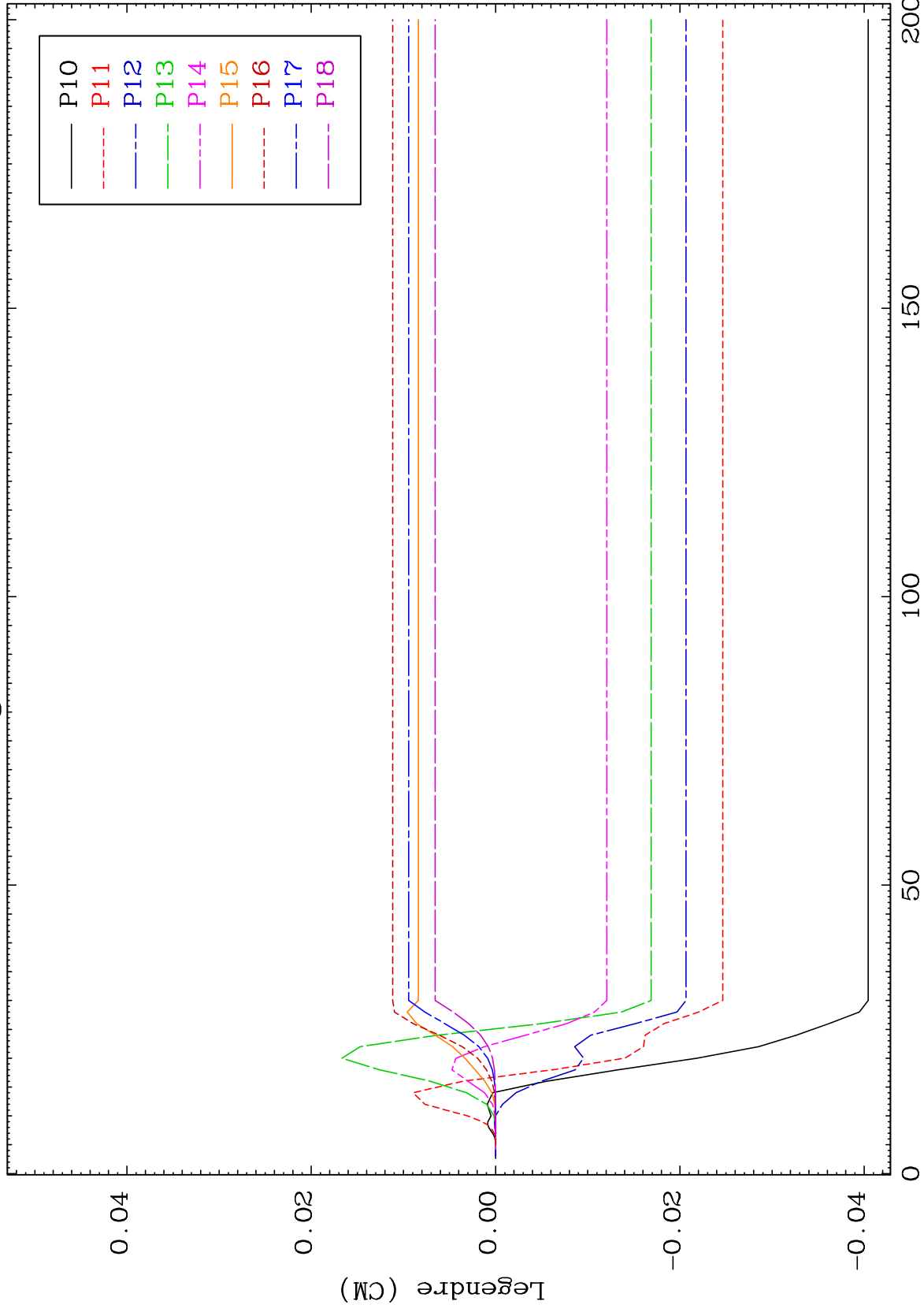
Incident Energy (MeV)

41-Nb-97

MAT 4137

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

41-Nb-97



40

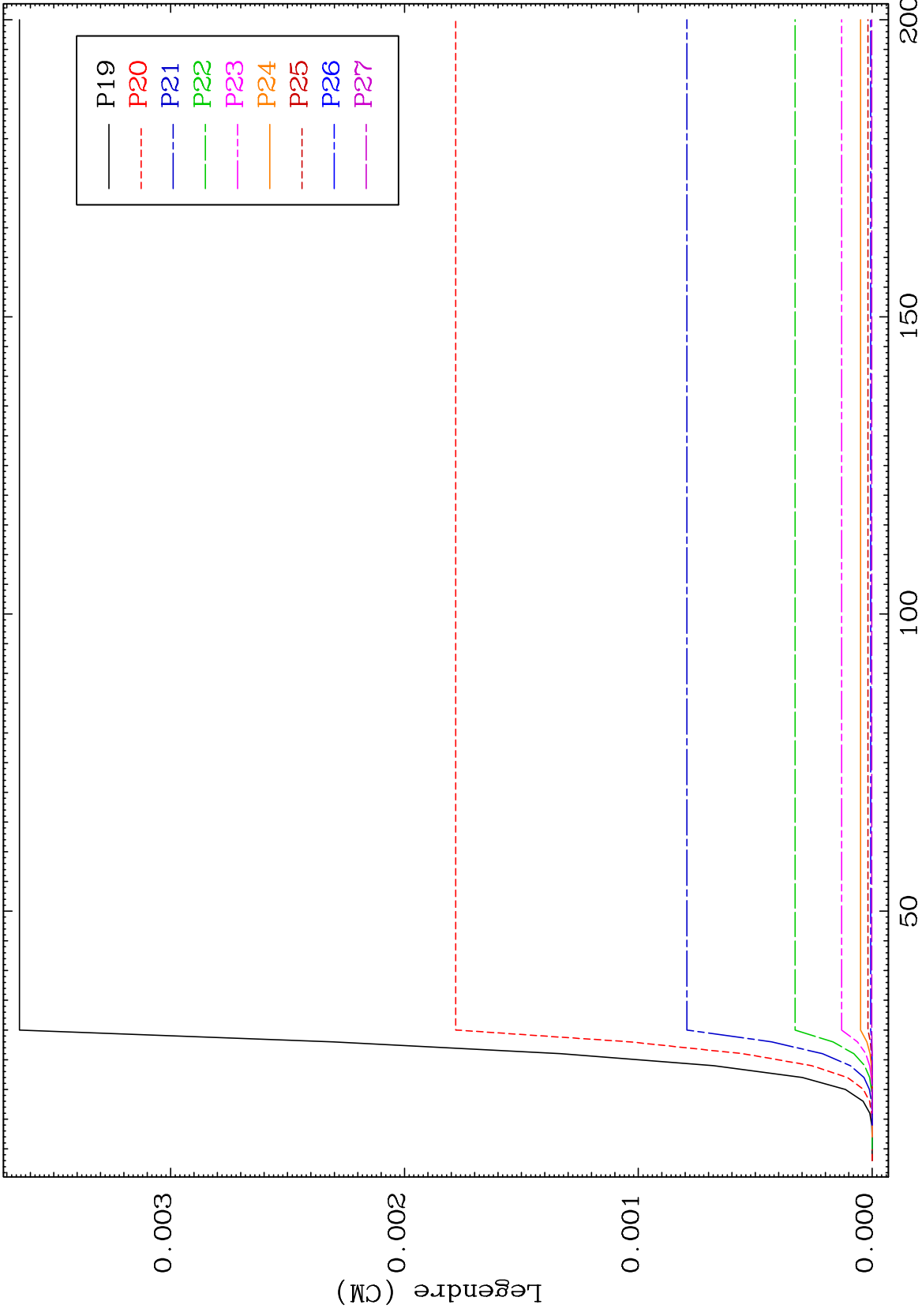
Incident Energy (MeV)

41-Nb-97

MAT 4137

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

41-Nb-97



41

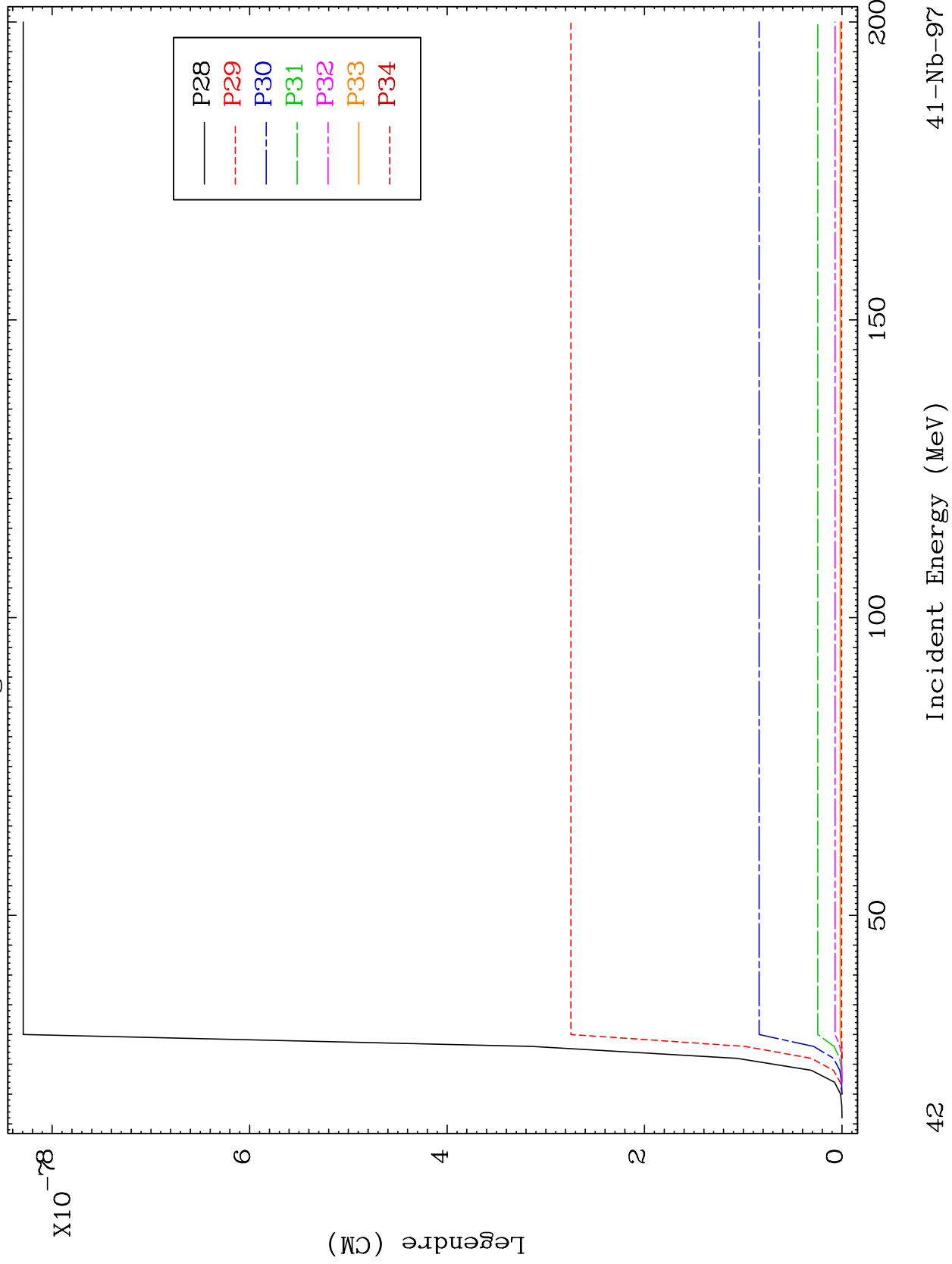
Incident Energy (MeV)

41-Nb-97

MAT 4137

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

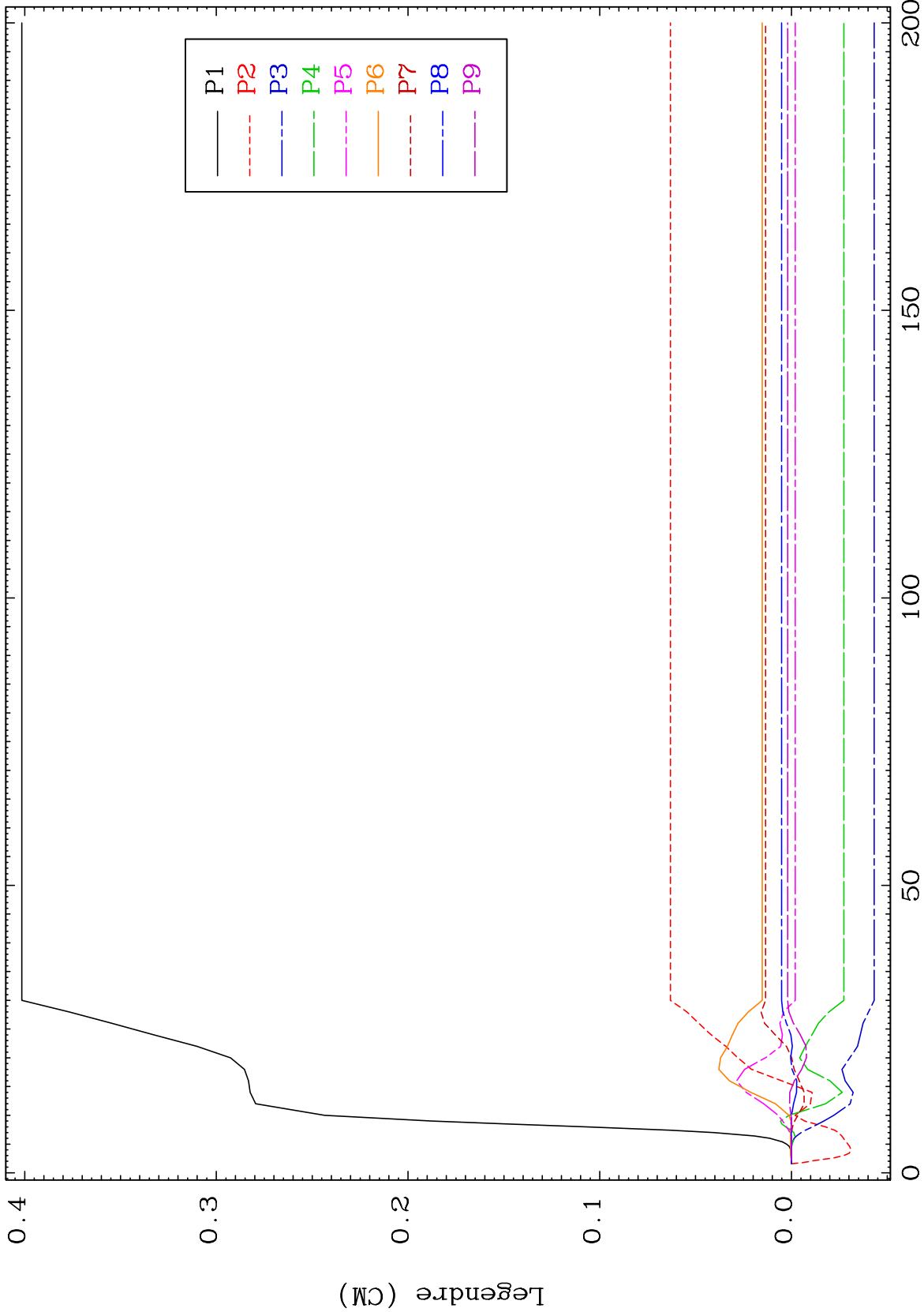
41-Nb-97



MAT 4137

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

41-Nb-97



43

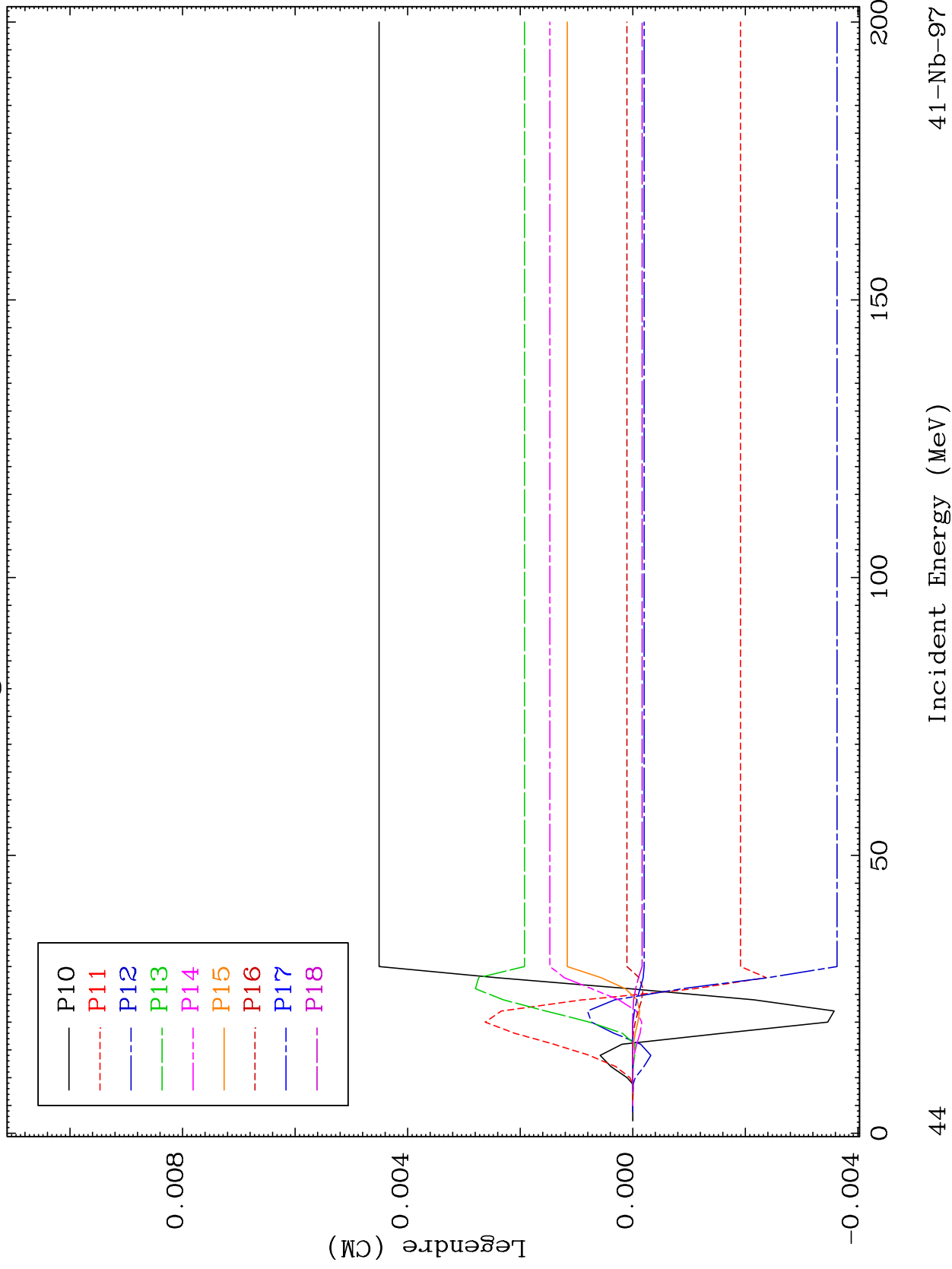
Incident Energy (MeV)

41-Nb-97

MAT 4137

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

41-Nb-97



44

Incident Energy (MeV)

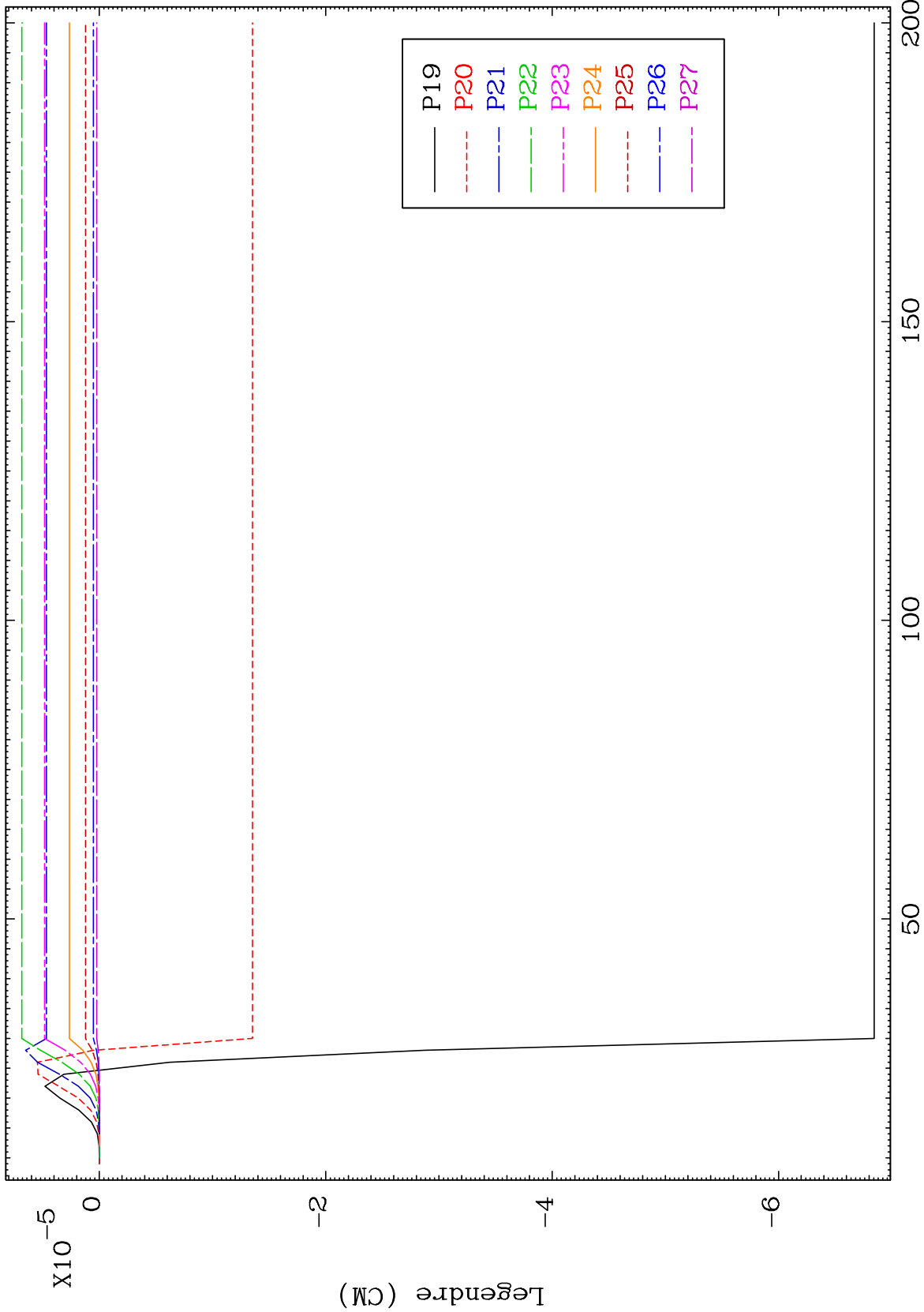
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MAT 4137

MT= 57 (n,n') Level

41-Nb-97

Legendre Coefficients



45

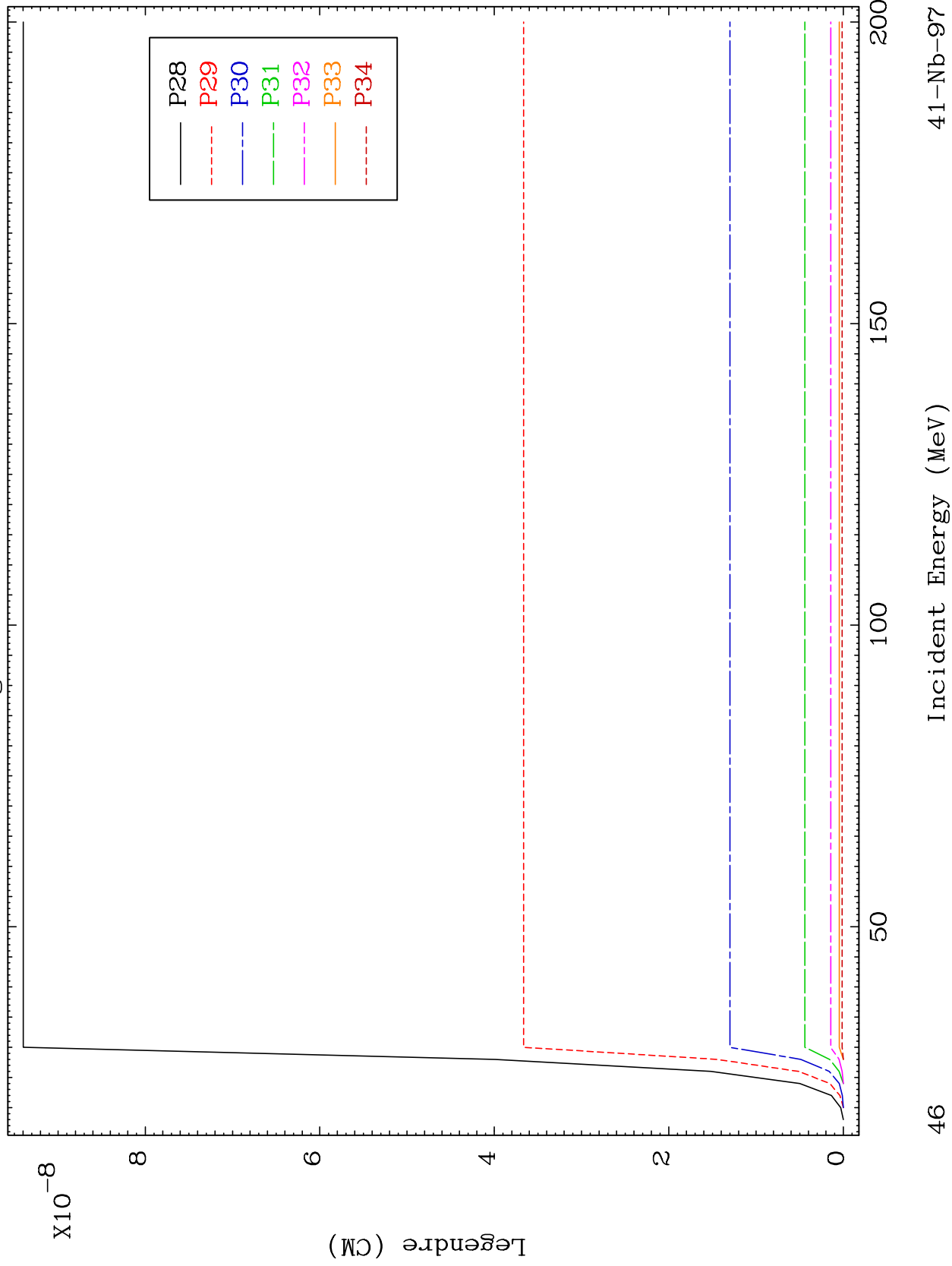
Incident Energy (MeV)

41-Nb-97

MAT 4137

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

41-Nb-97



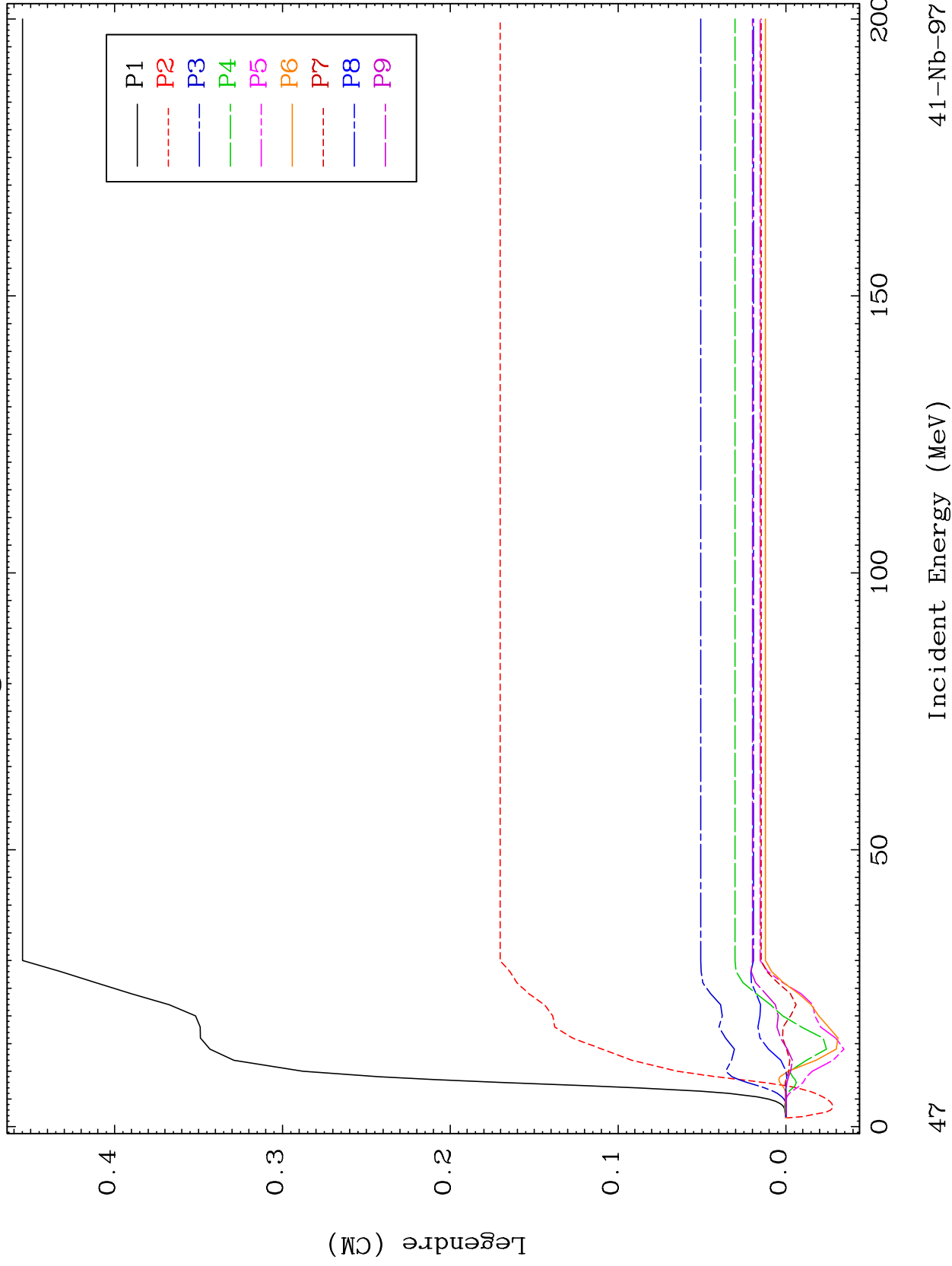
46

41-Nb-97

MAT 4137

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

41-Nb-97



41-Nb-97

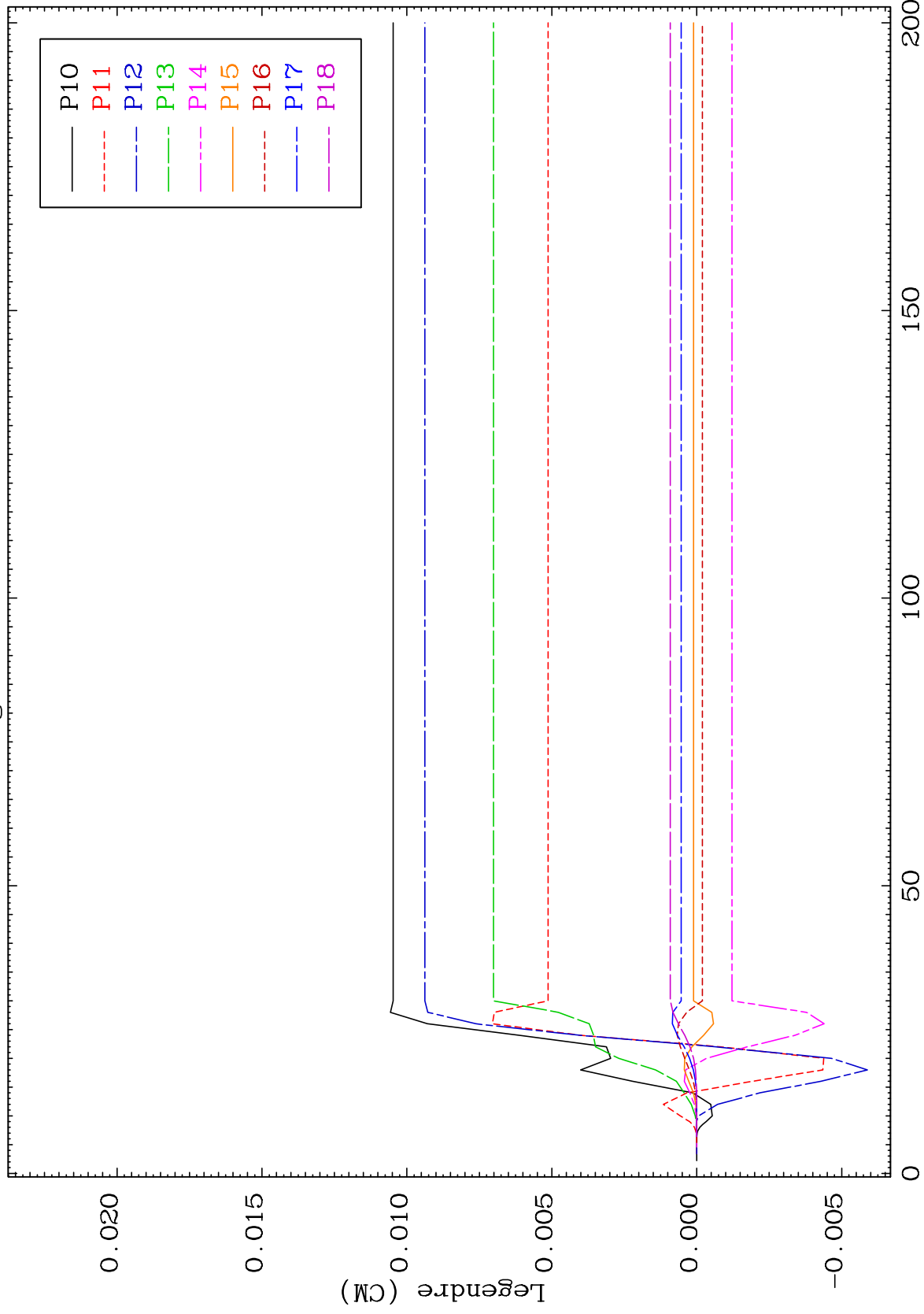
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47

MAT 4137

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

41-Nb-97



48

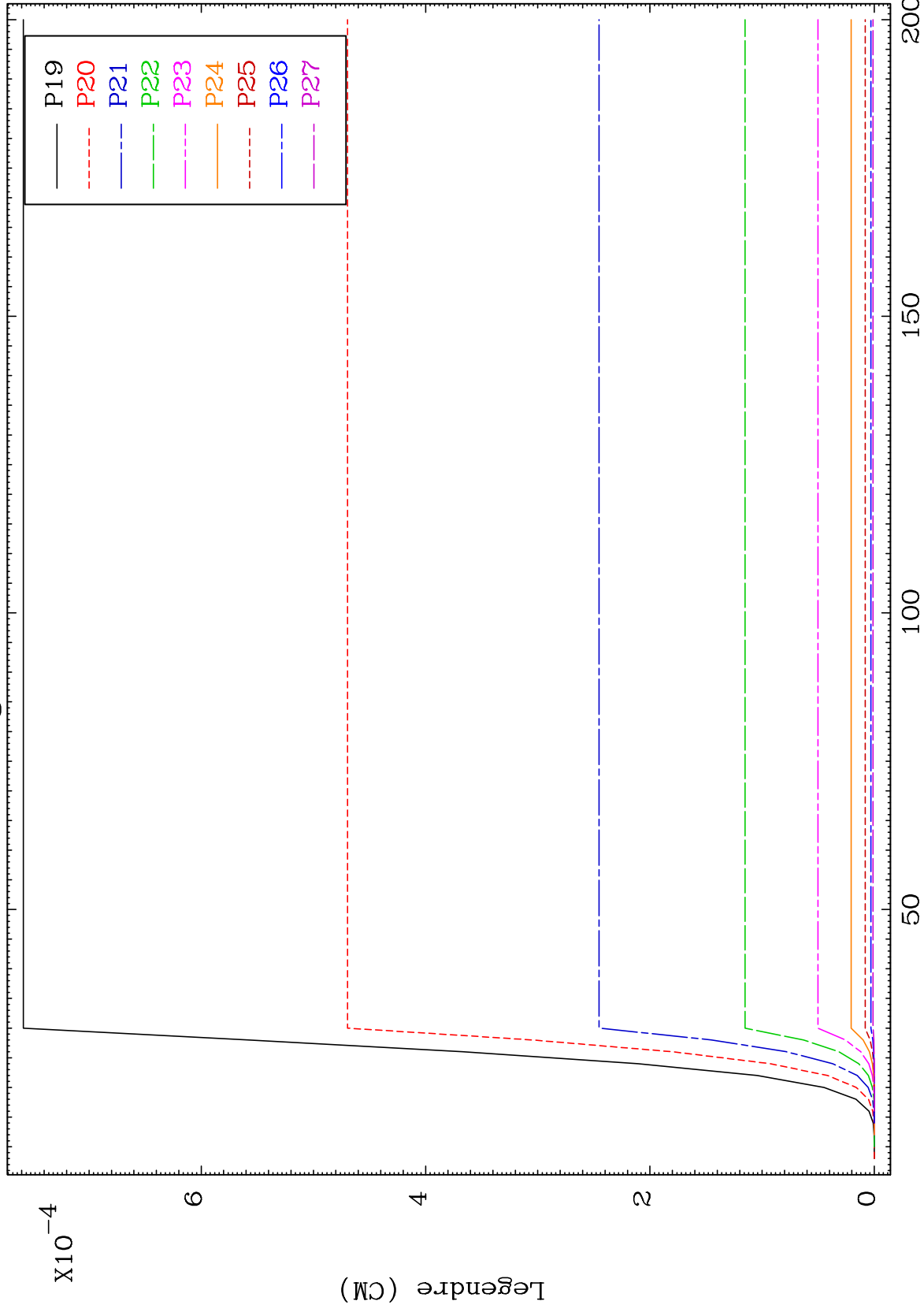
Incident Energy (MeV)

41-Nb-97

MAT 4137

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

41-Nb-97



49

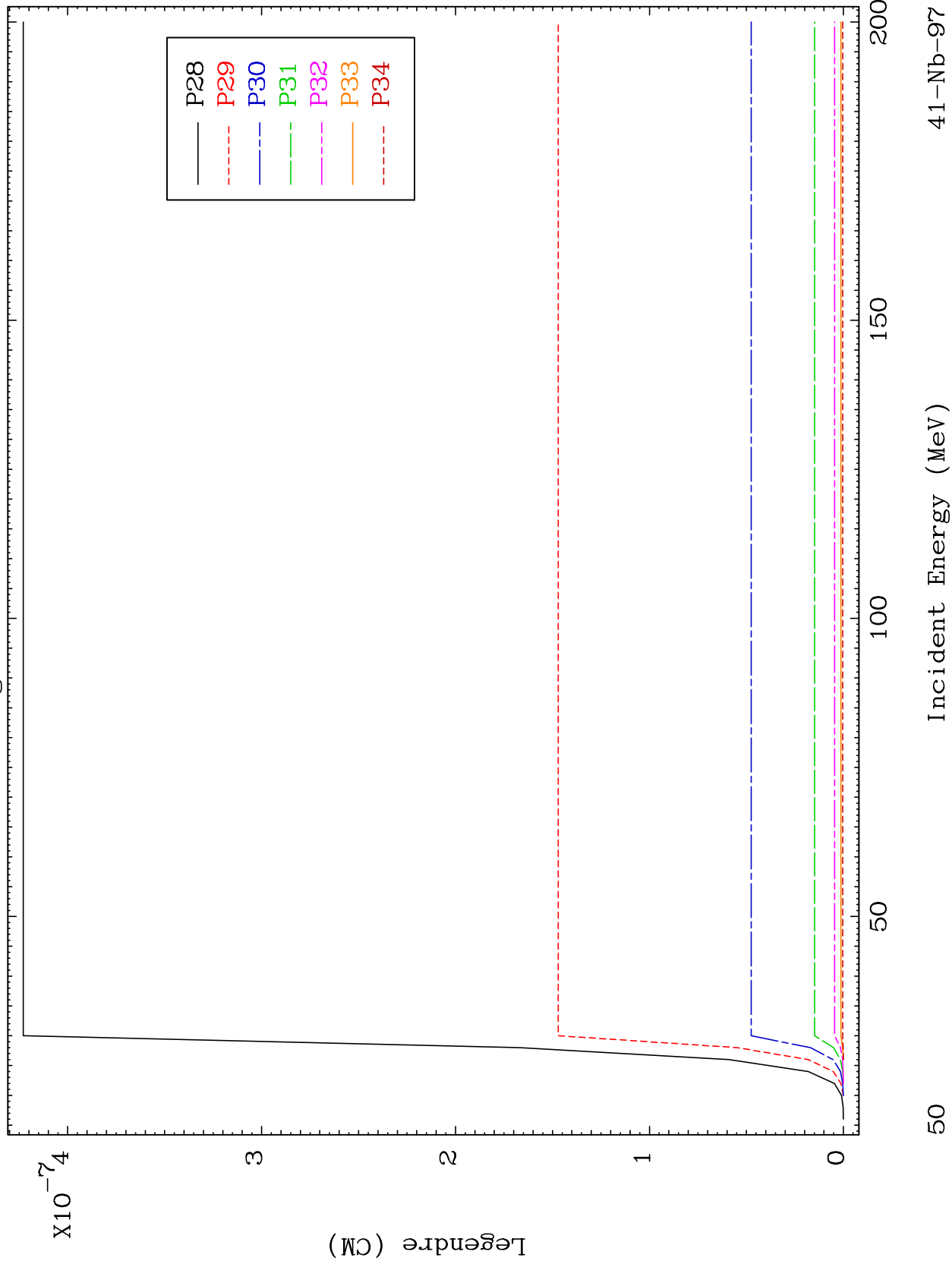
Incident Energy (MeV)

41-Nb-97

MAT 4137

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

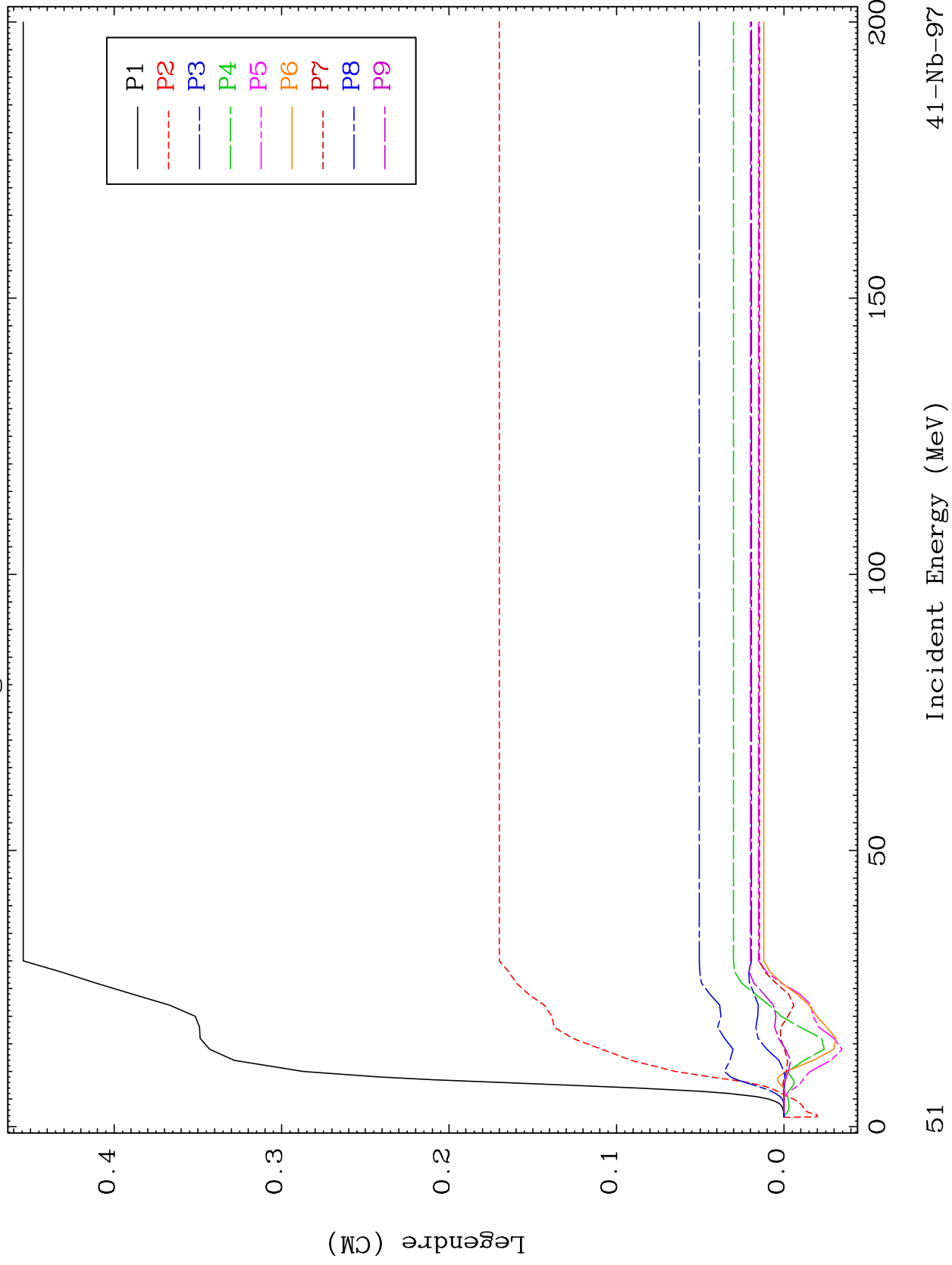
41-Nb-97



MAT 4137

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

41-Nb-97



41-Nb-97

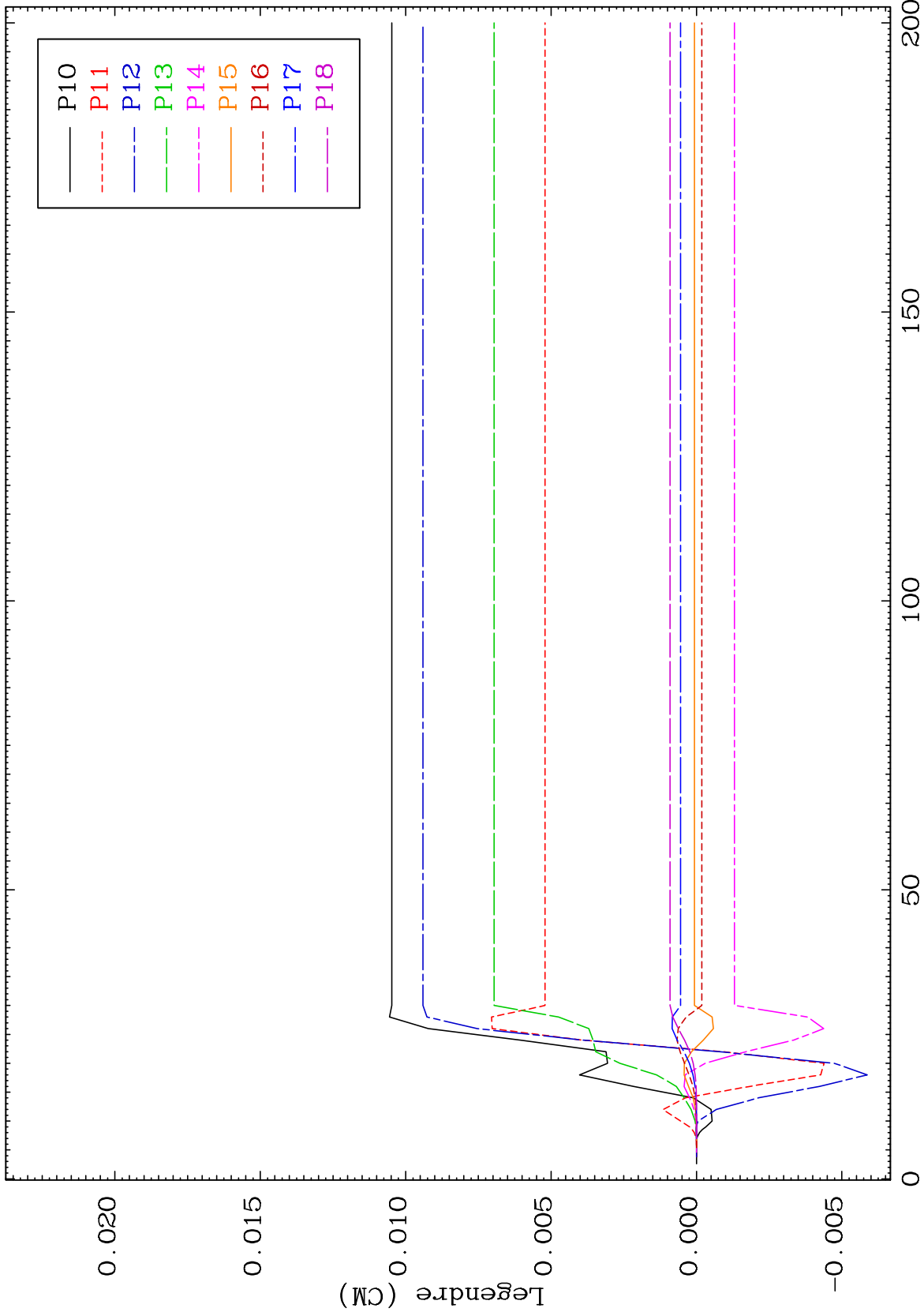
Incident Energy (MeV)

51

MAT 4137

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

41-Nb-97



52

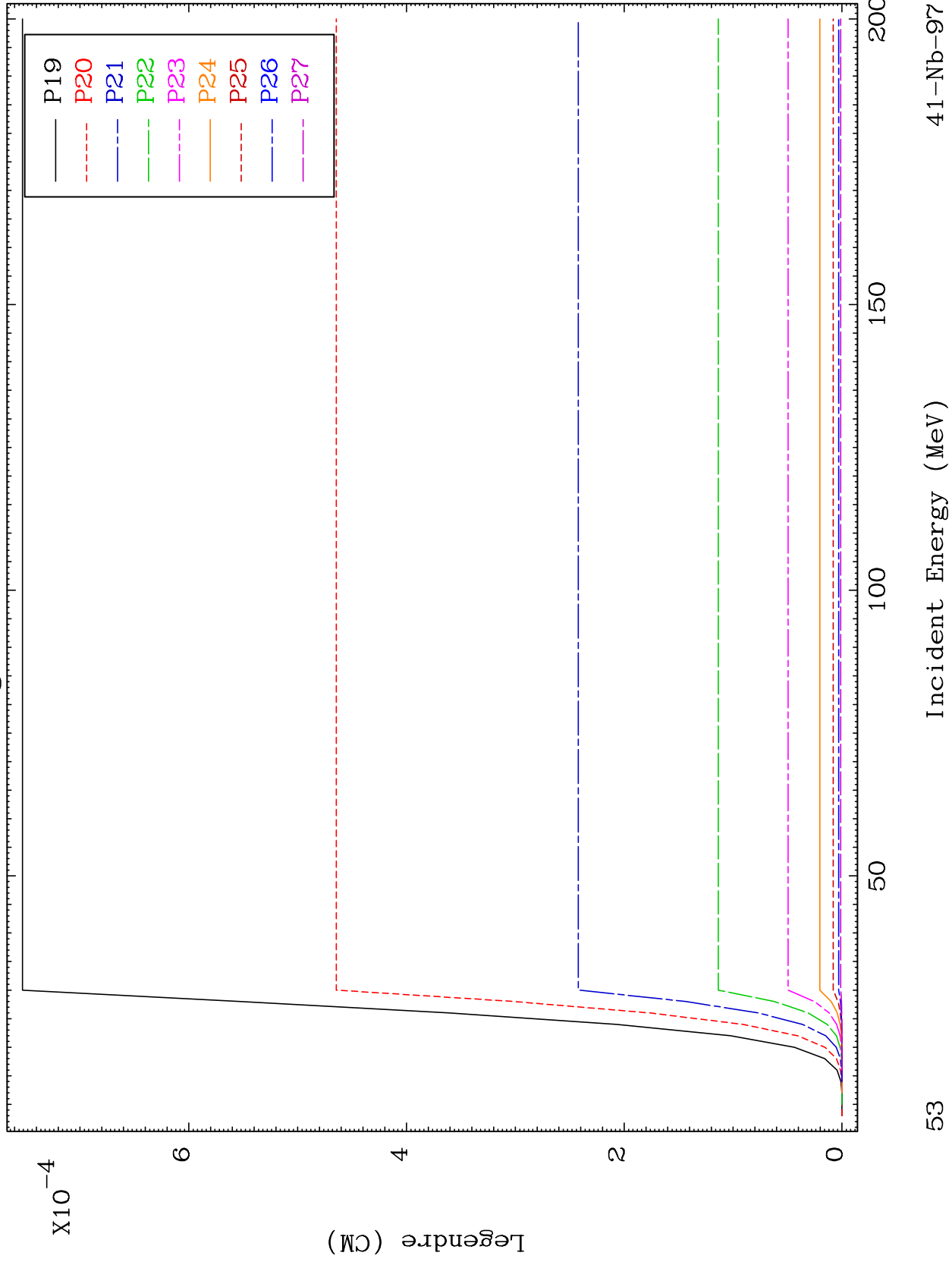
Incident Energy (MeV)

41-Nb-97

MAT 4137

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

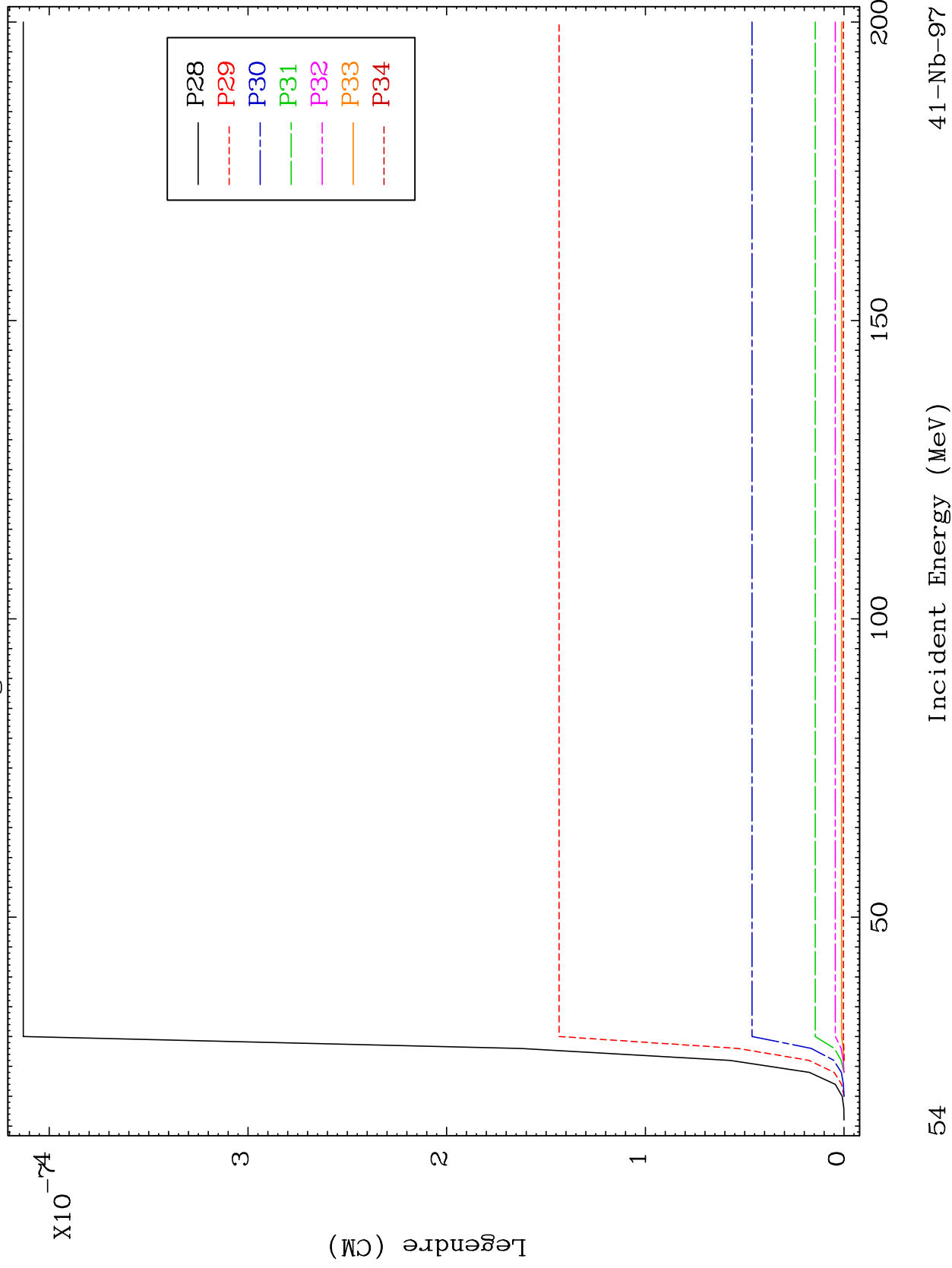
41-Nb-97



MAT 4137

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

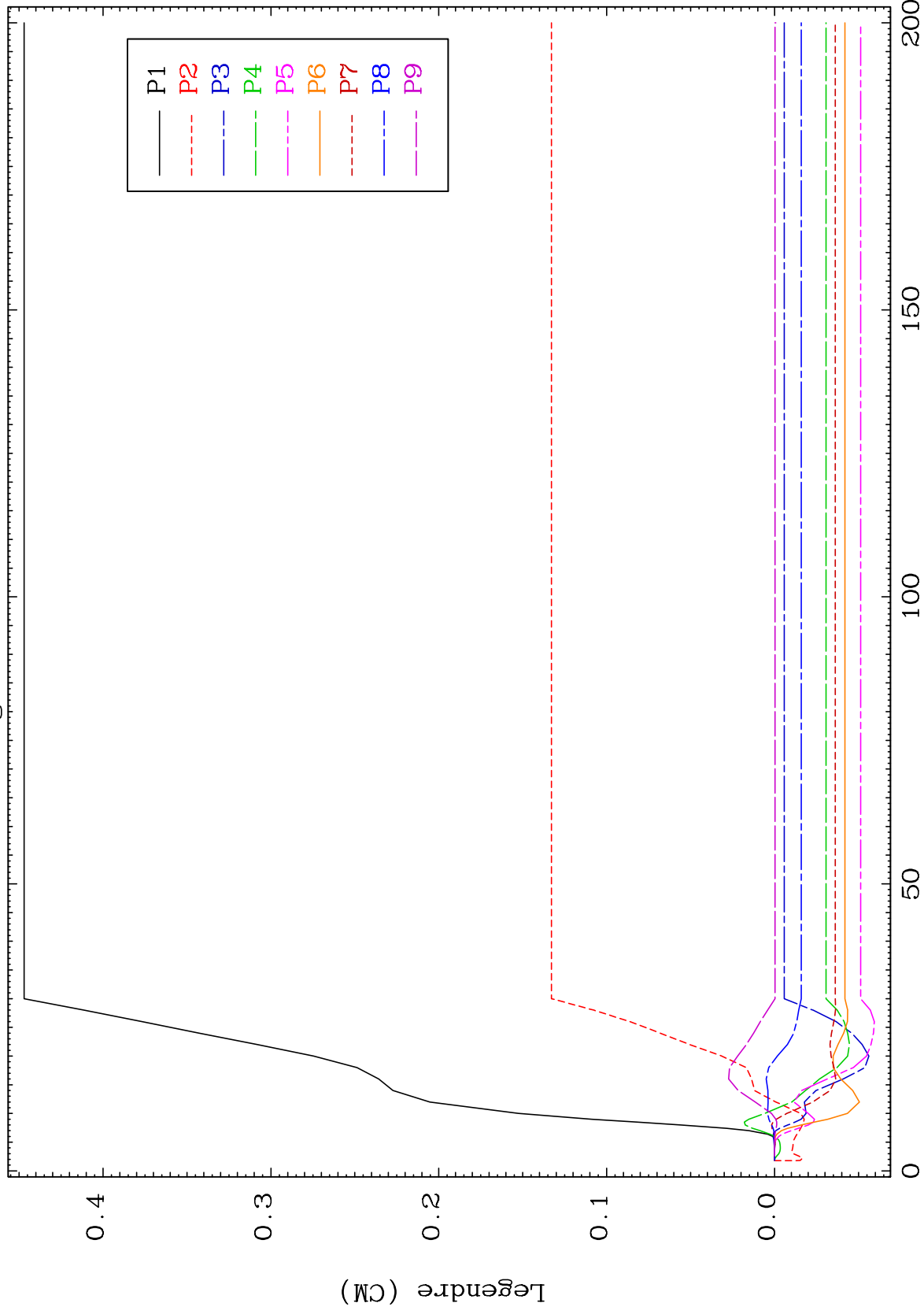
41-Nb-97



MAT 4137

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

41-Nb-97



55

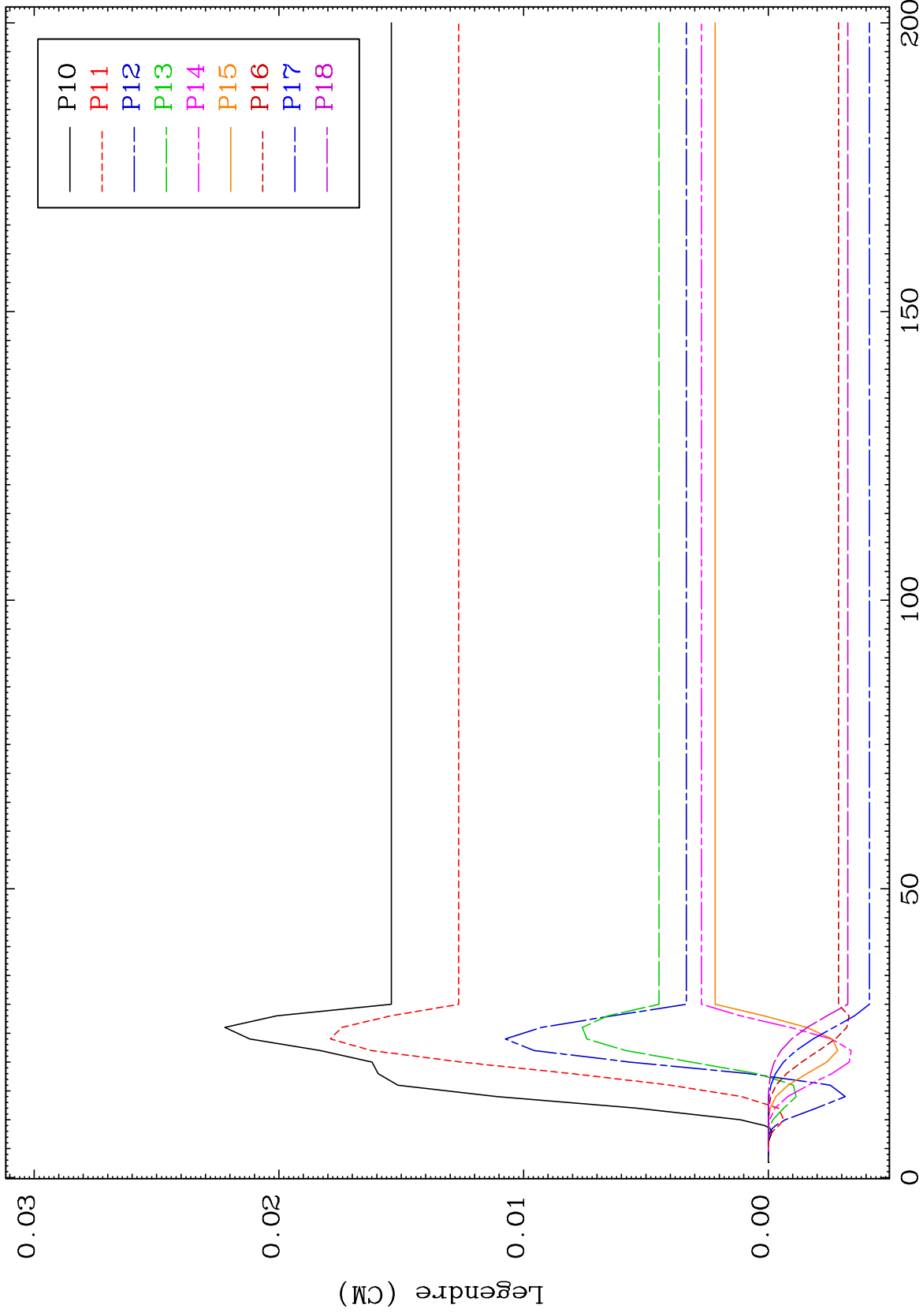
Incident Energy (MeV)

41-Nb-97

MAT 4137

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

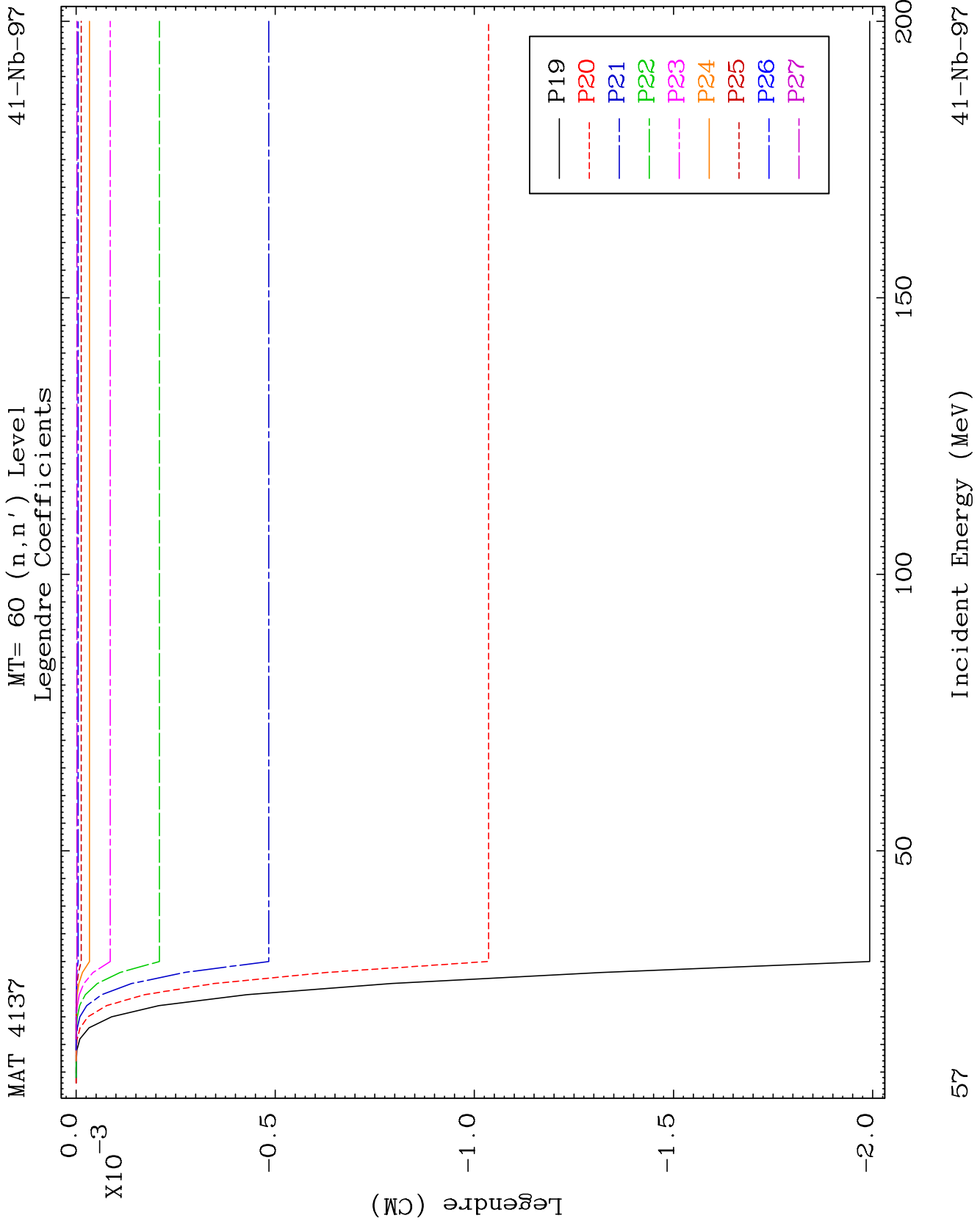
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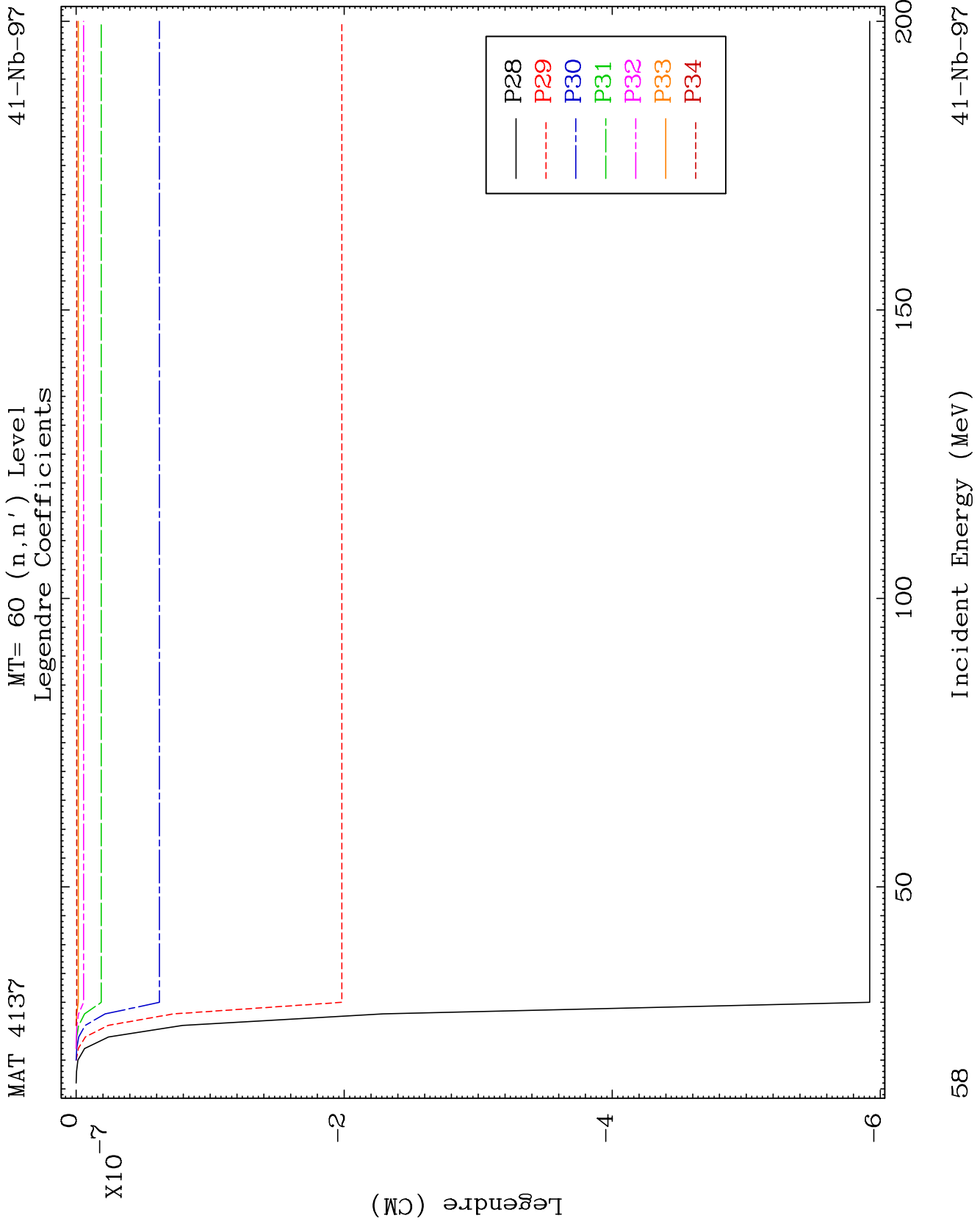


56

Incident Energy (MeV)

41-Nb-97

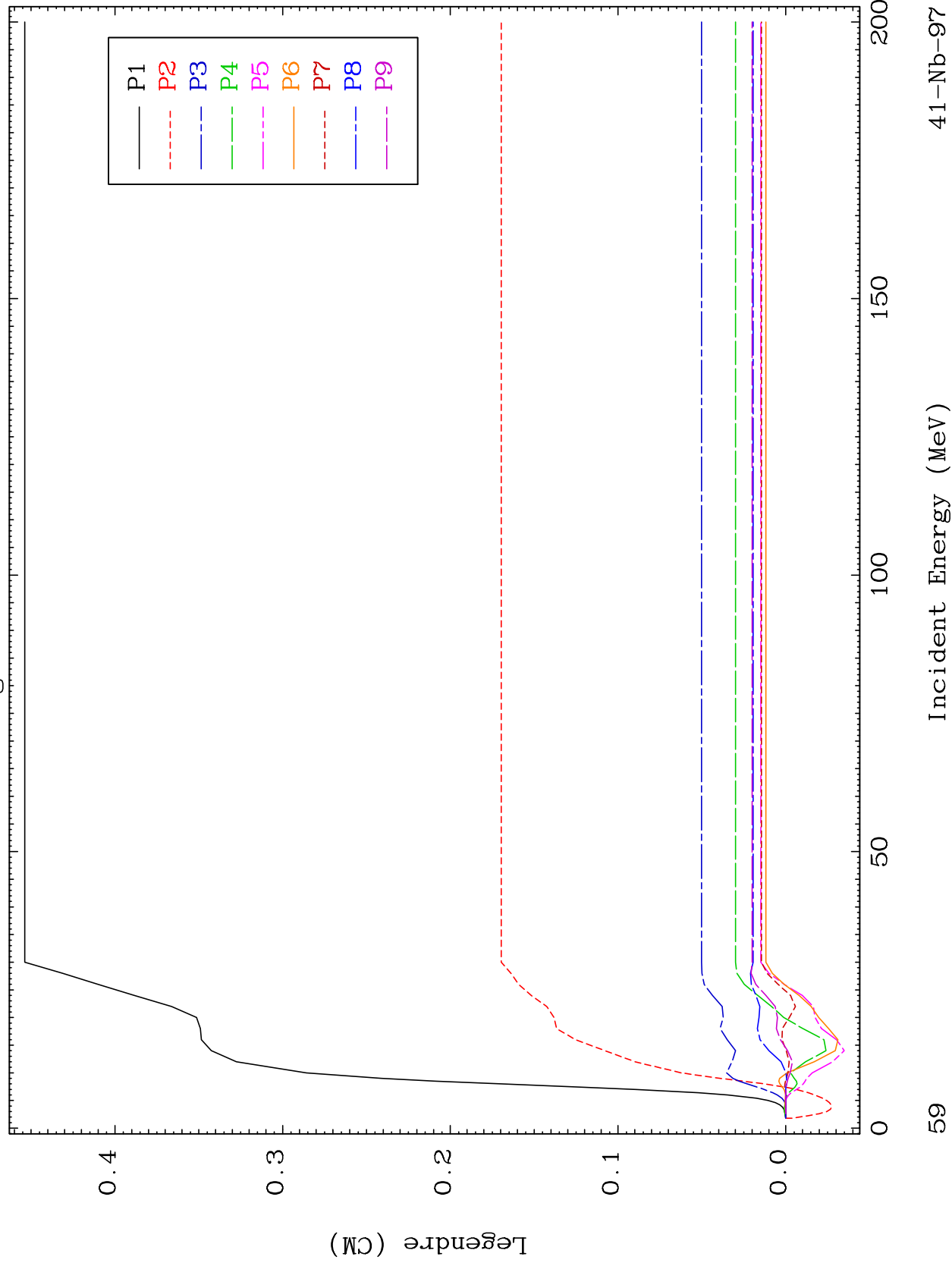




MAT 4137

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

41-Nb-97



41-Nb-97

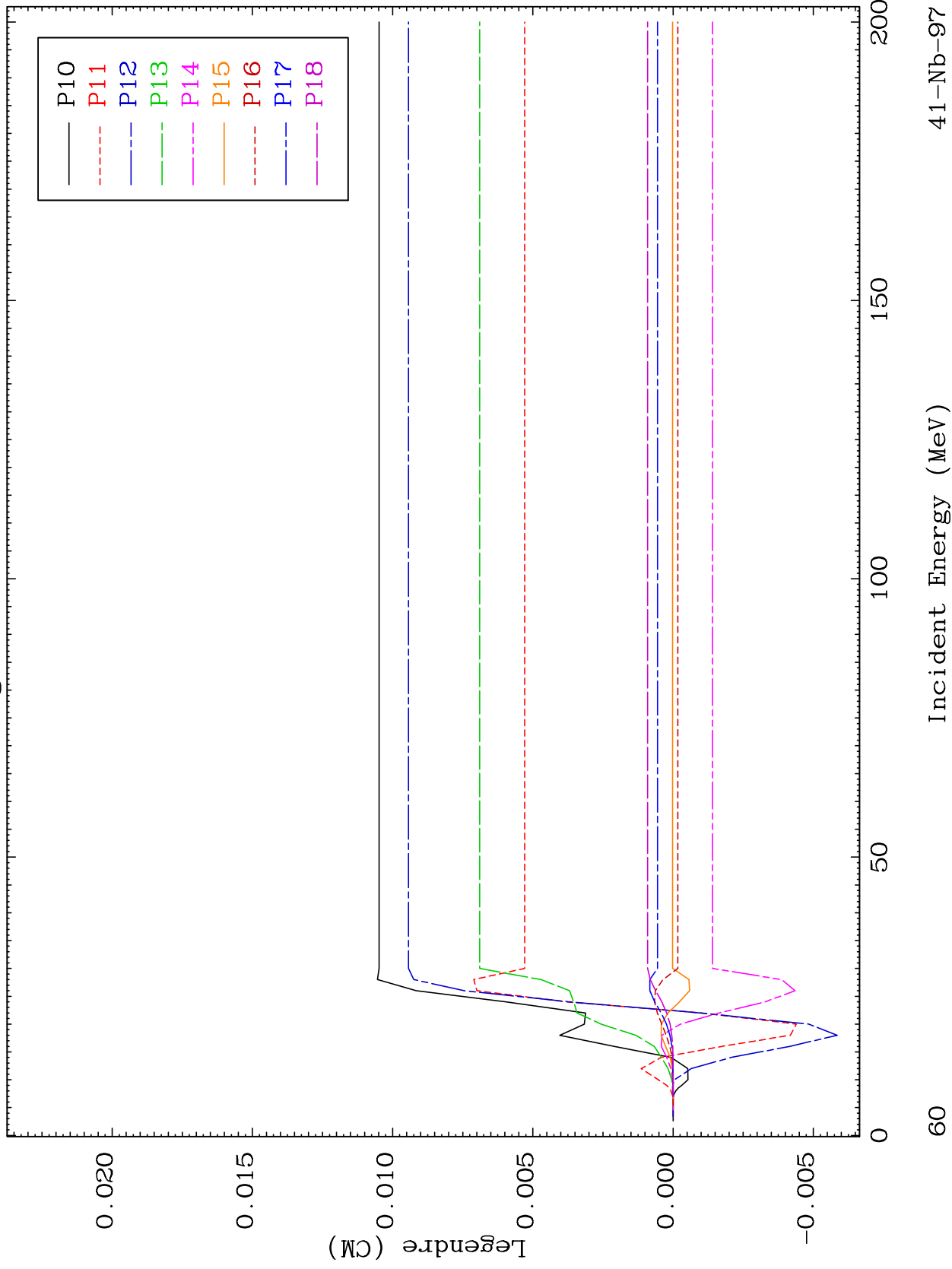
Incident Energy (MeV)

59

MAT 4137

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

41-Nb-97

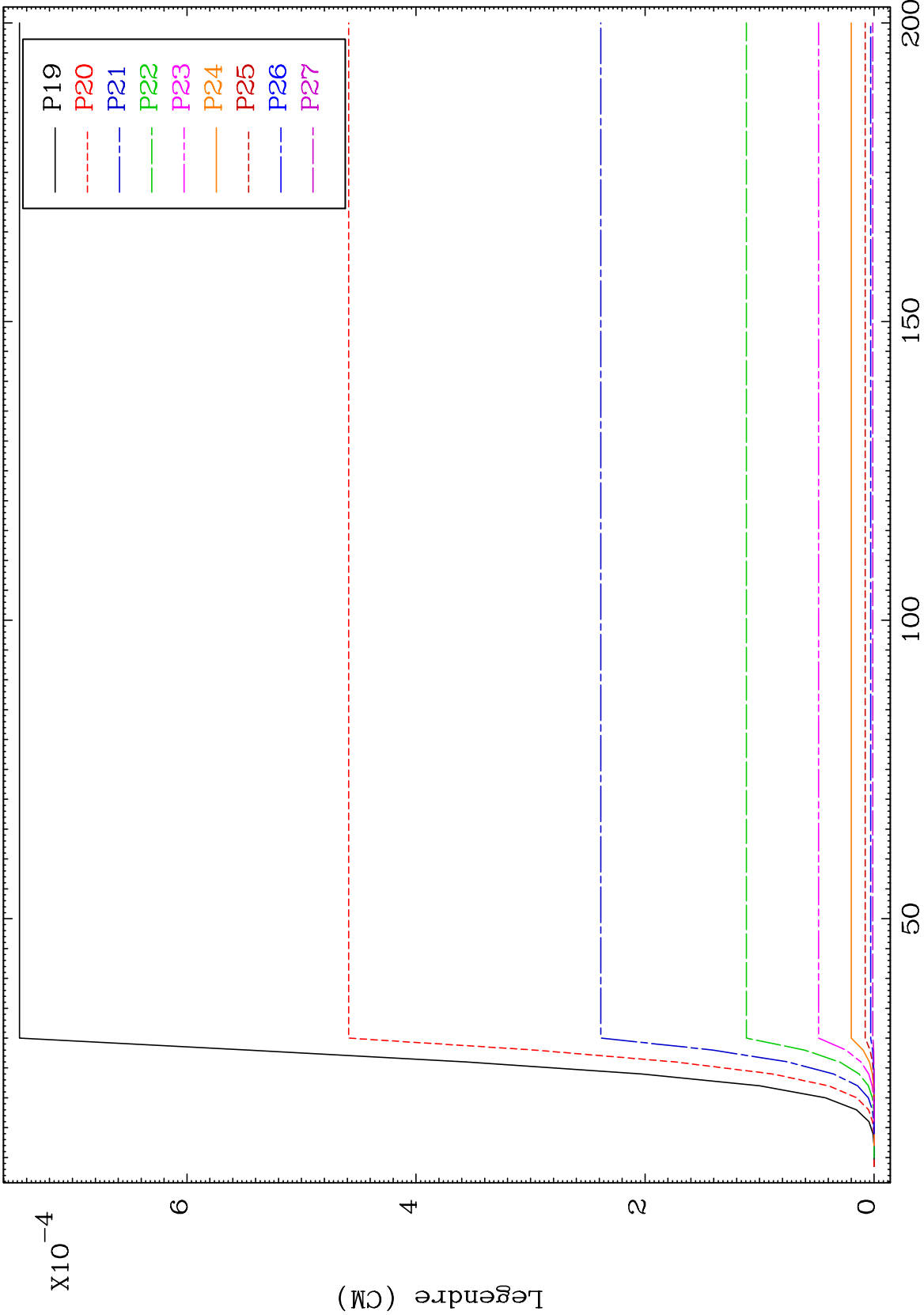


41-Nb-97

MAT 4137

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

41-Nb-97



61

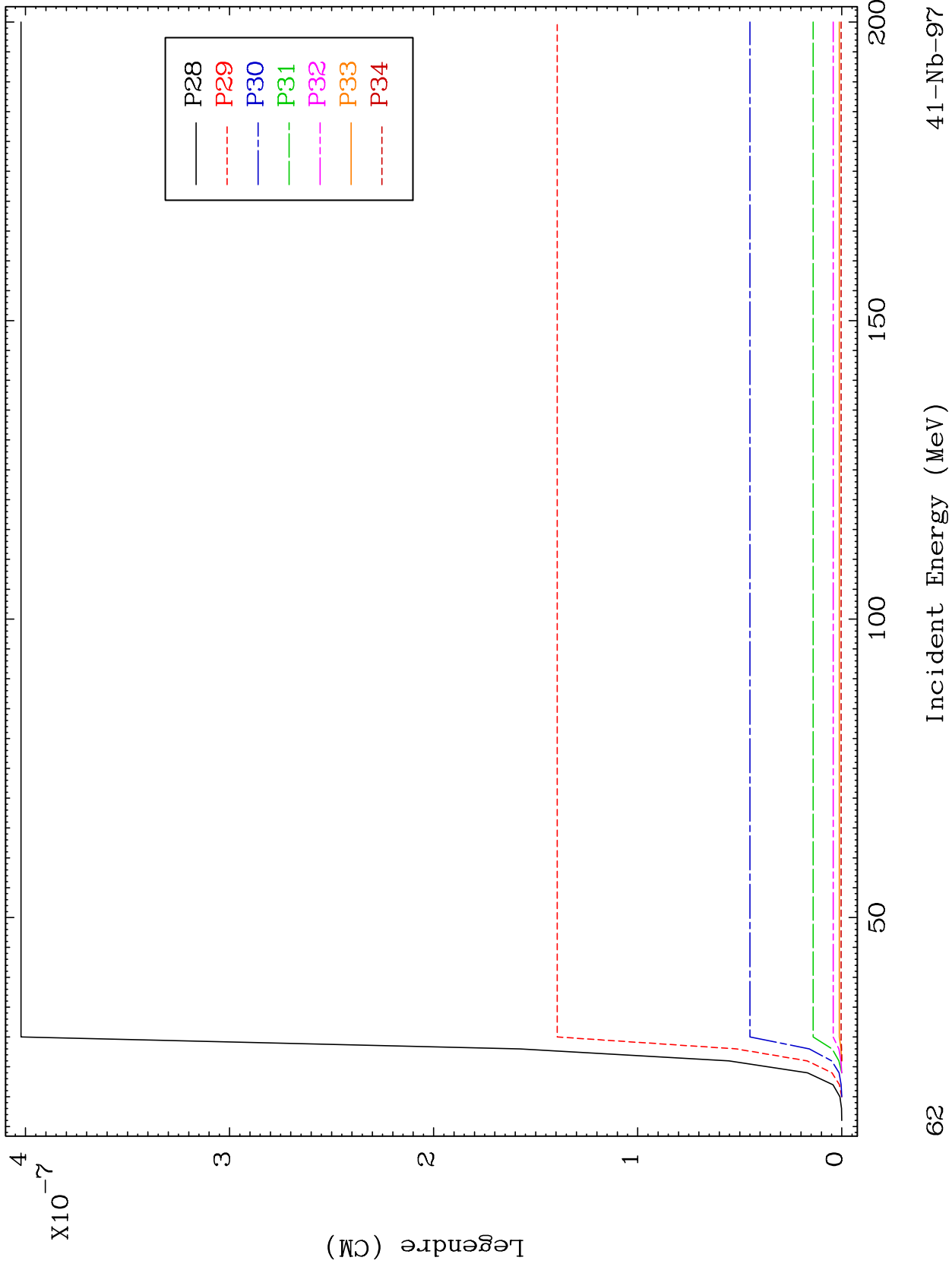
Incident Energy (MeV)

41-Nb-97

MAT 4137

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

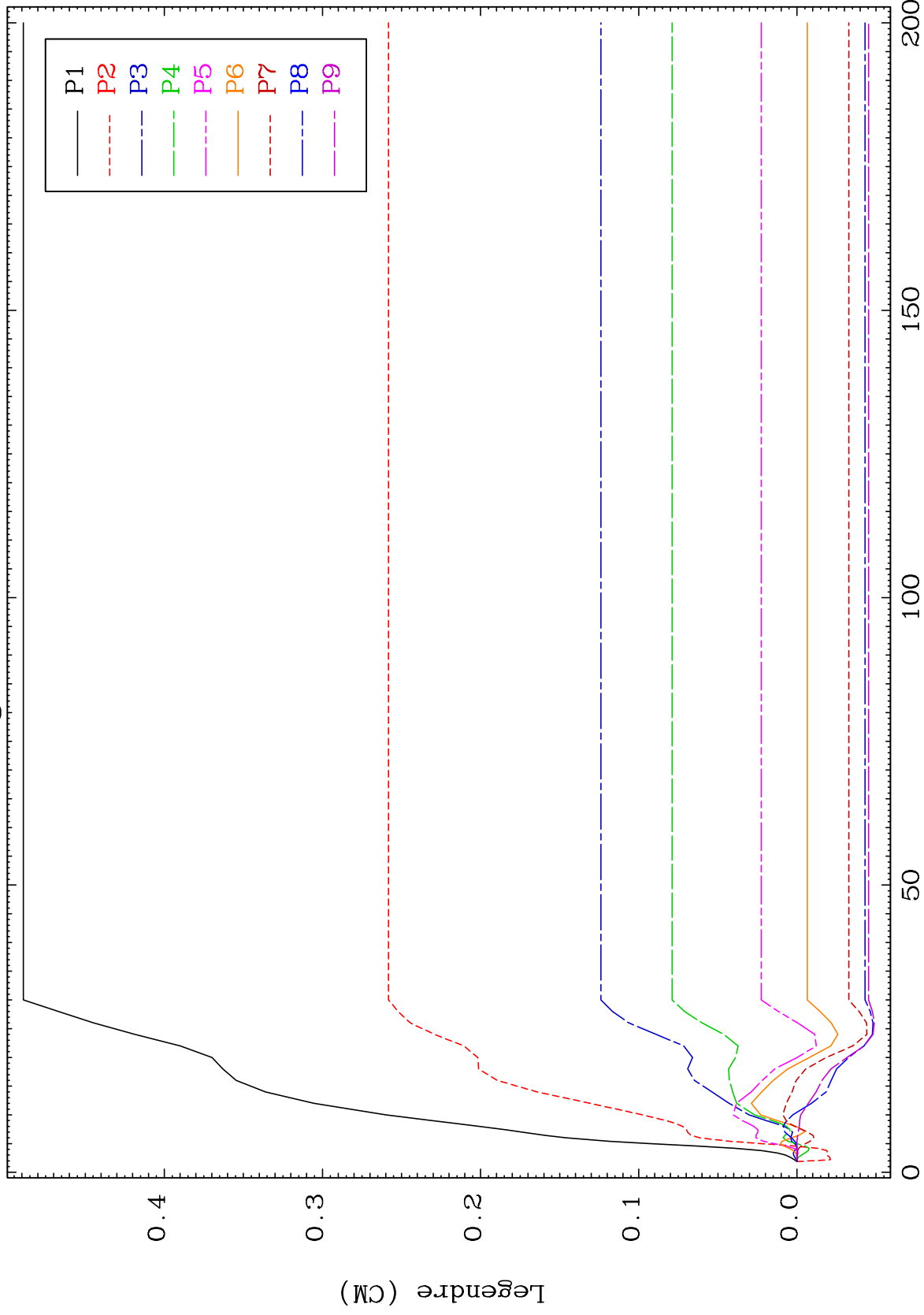
41-Nb-97



MAT 4137

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

41-Nb-97



63

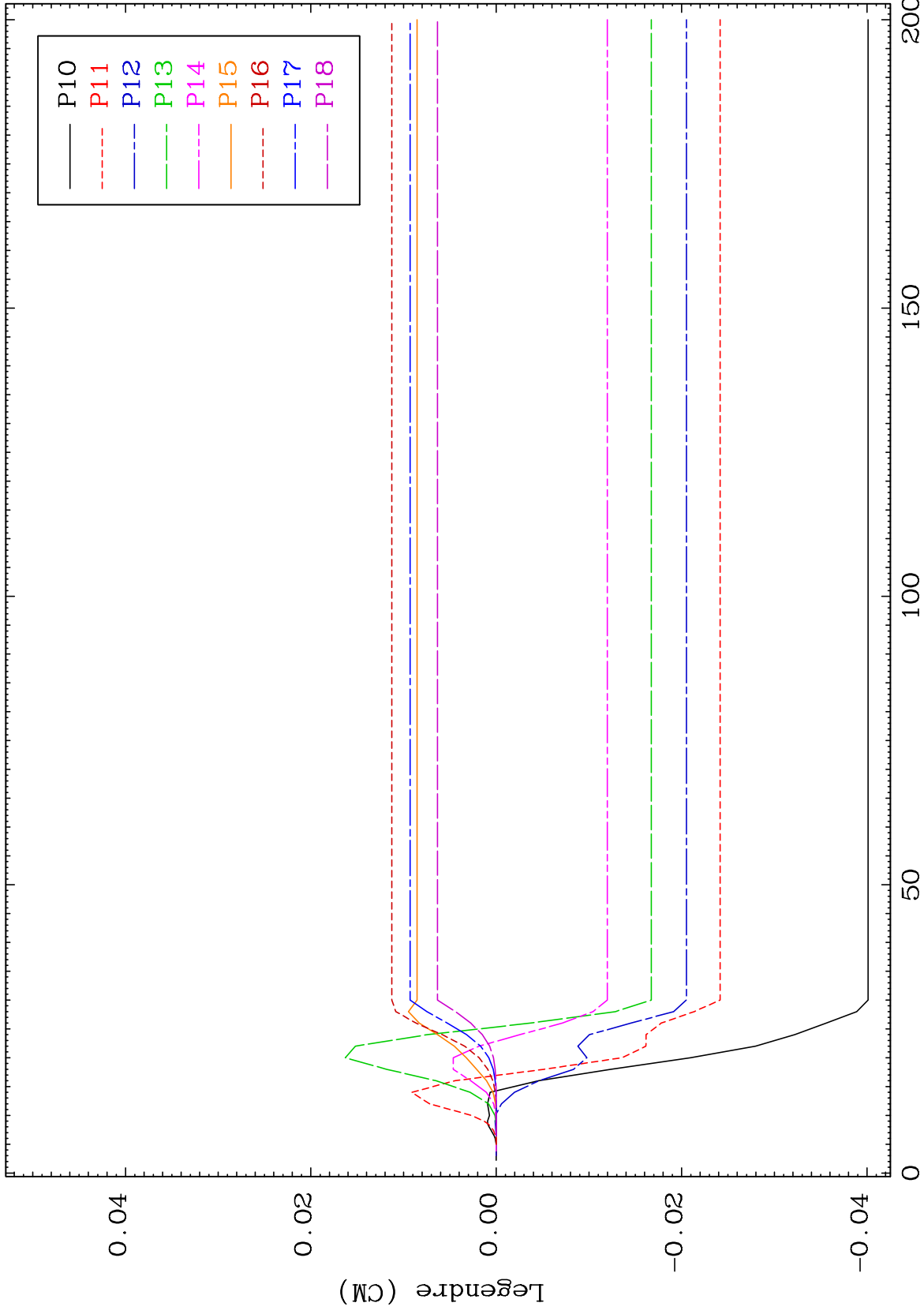
Incident Energy (MeV)

41-Nb-97

MAT 4137

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

41-Nb-97



64

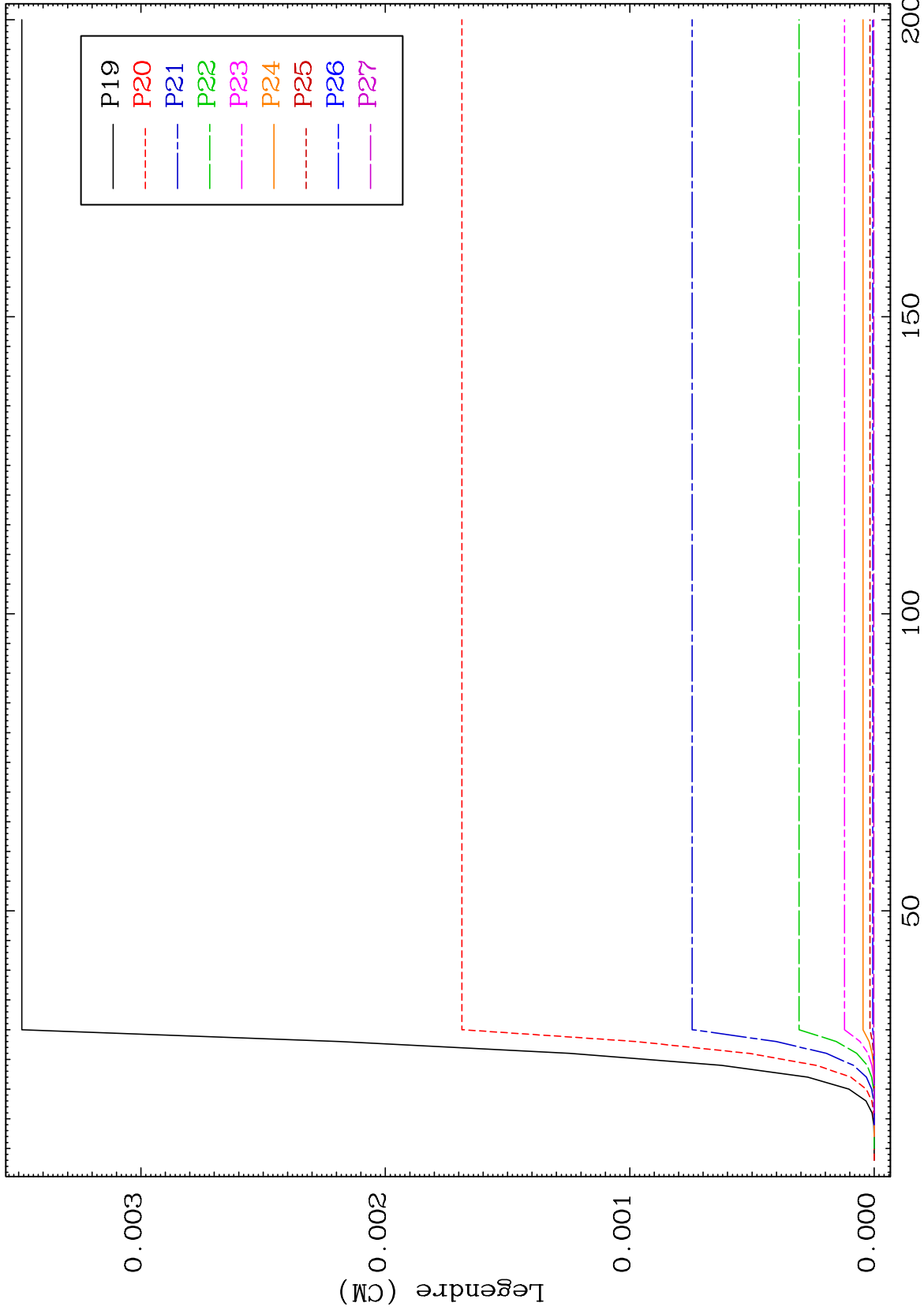
Incident Energy (MeV)

41-Nb-97

MAT 4137

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

41-Nb-97



65

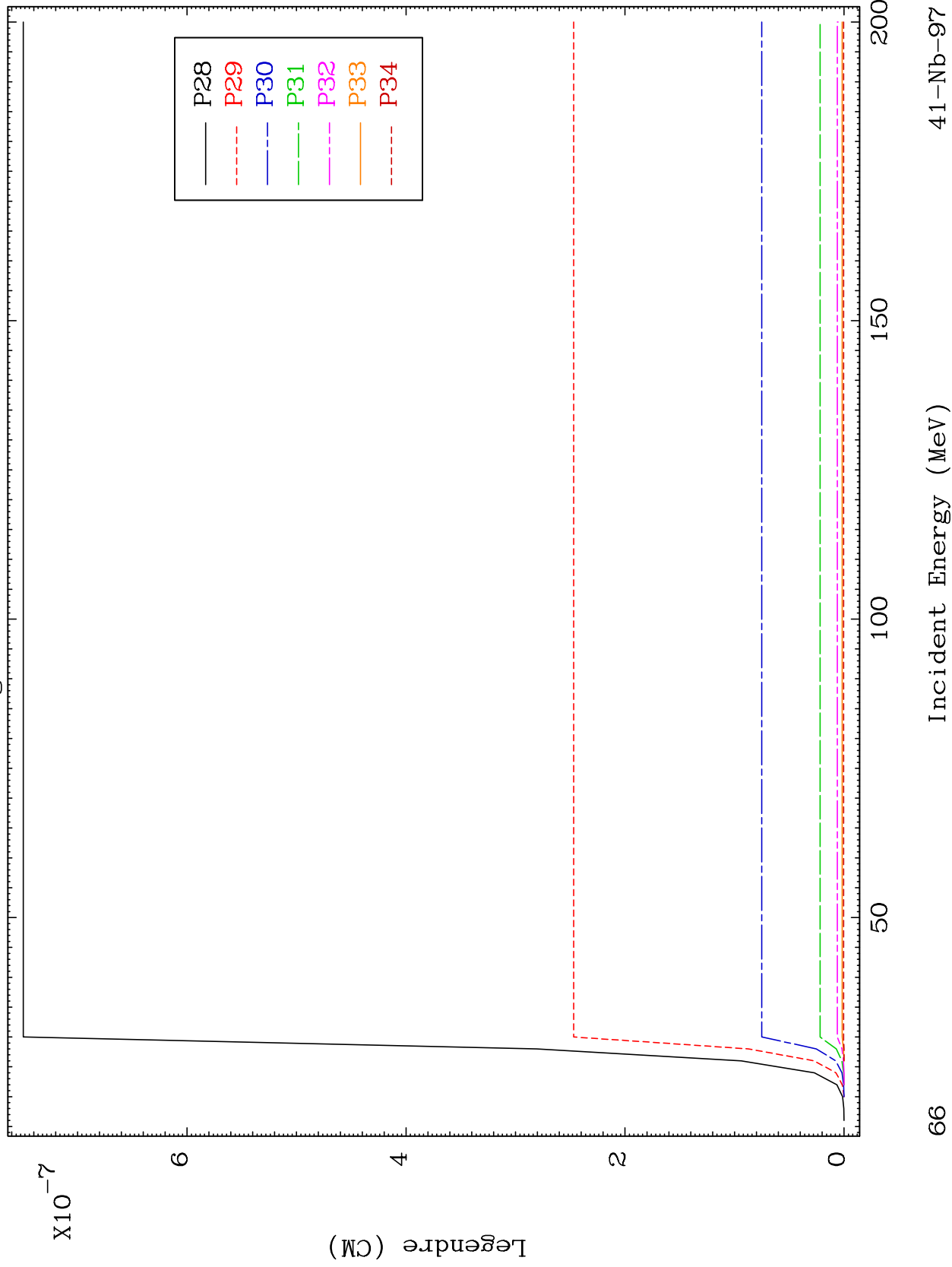
Incident Energy (MeV)

41-Nb-97

MAT 4137

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

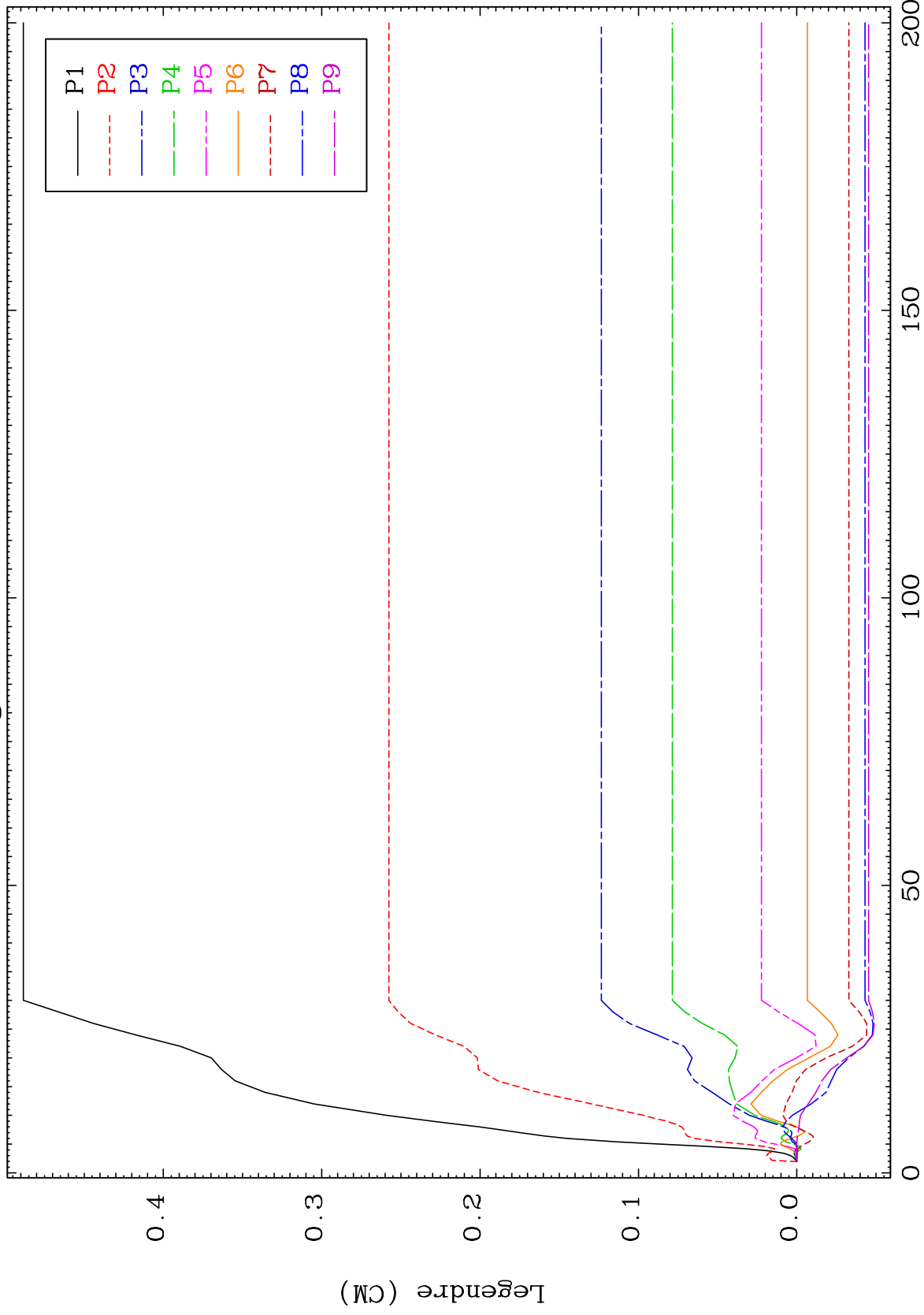
41-Nb-97



MAT 4137

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

41-Nb-97



67

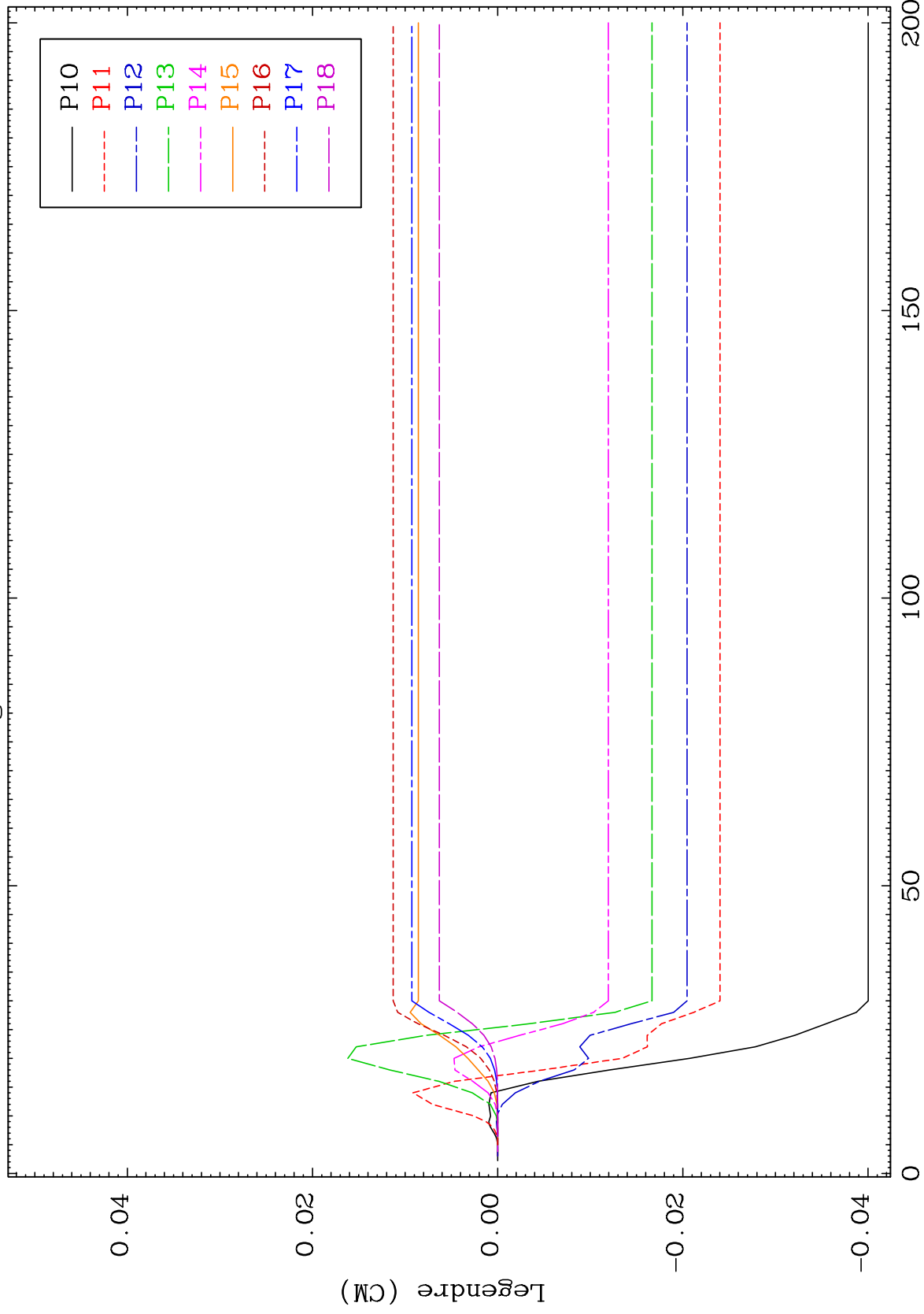
Incident Energy (MeV)

41-Nb-97

MAT 4137

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

41-Nb-97



68

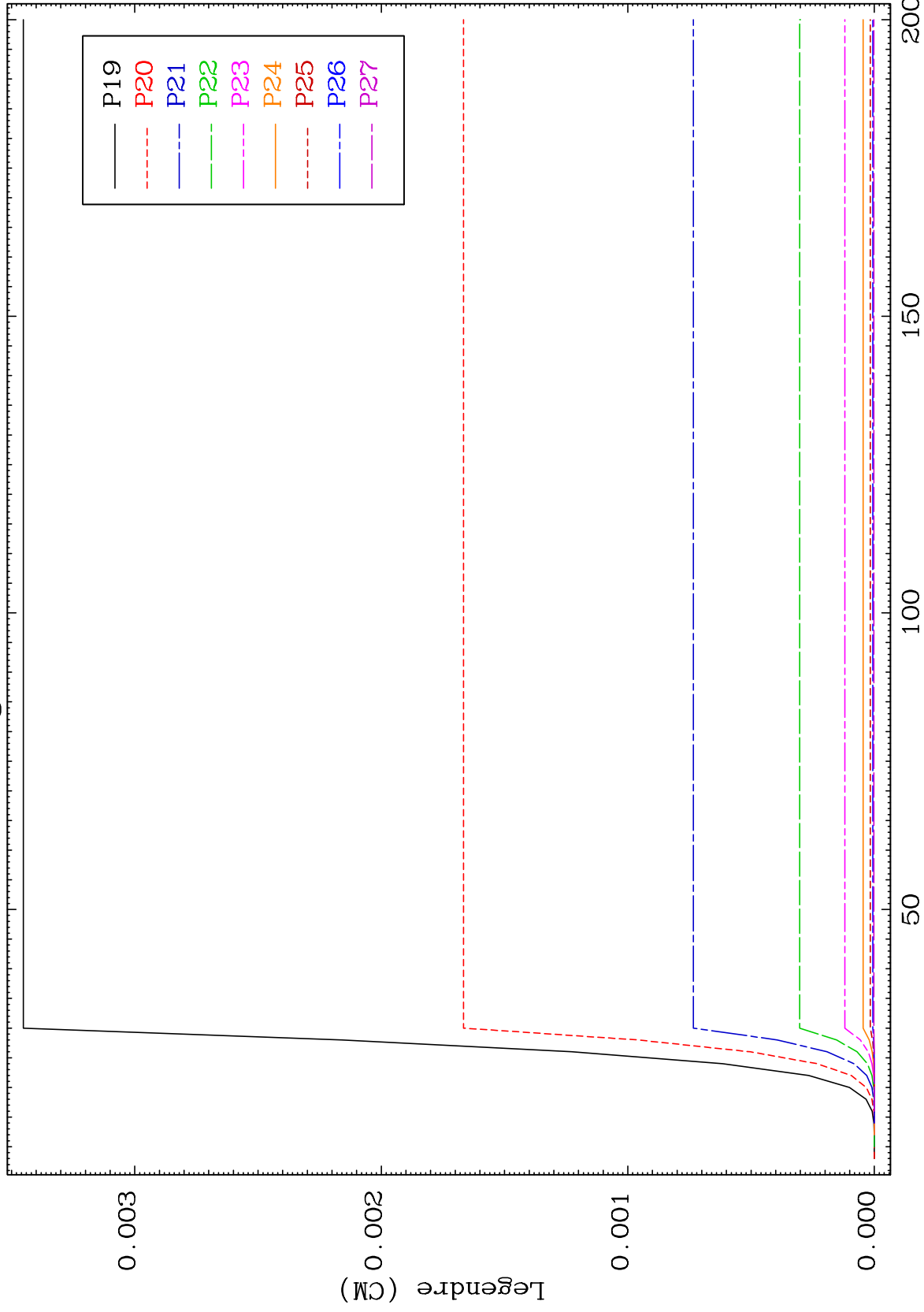
Incident Energy (MeV)

41-Nb-97

MAT 4137

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

41-Nb-97



69

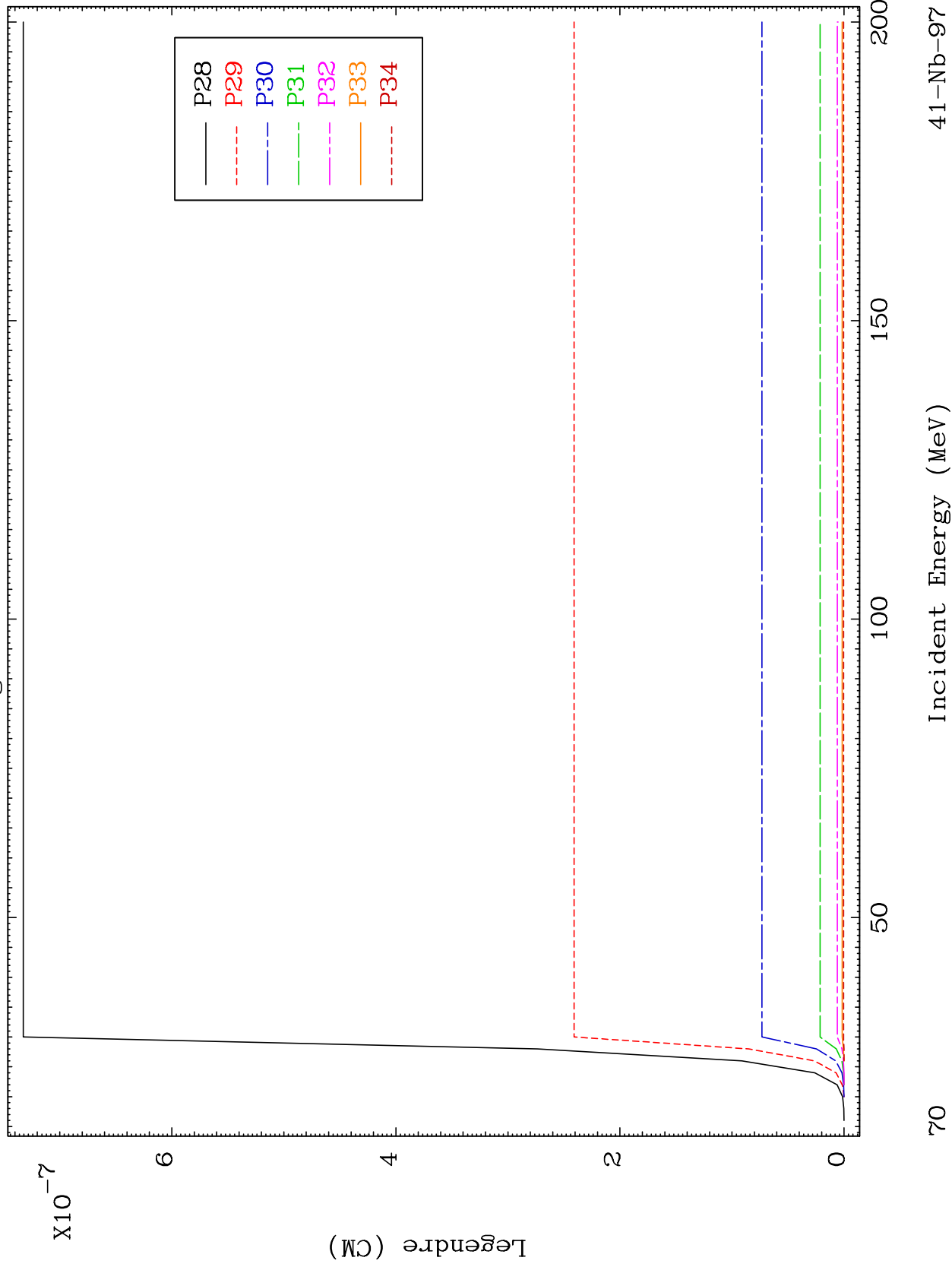
Incident Energy (MeV)

41-Nb-97

MAT 4137

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

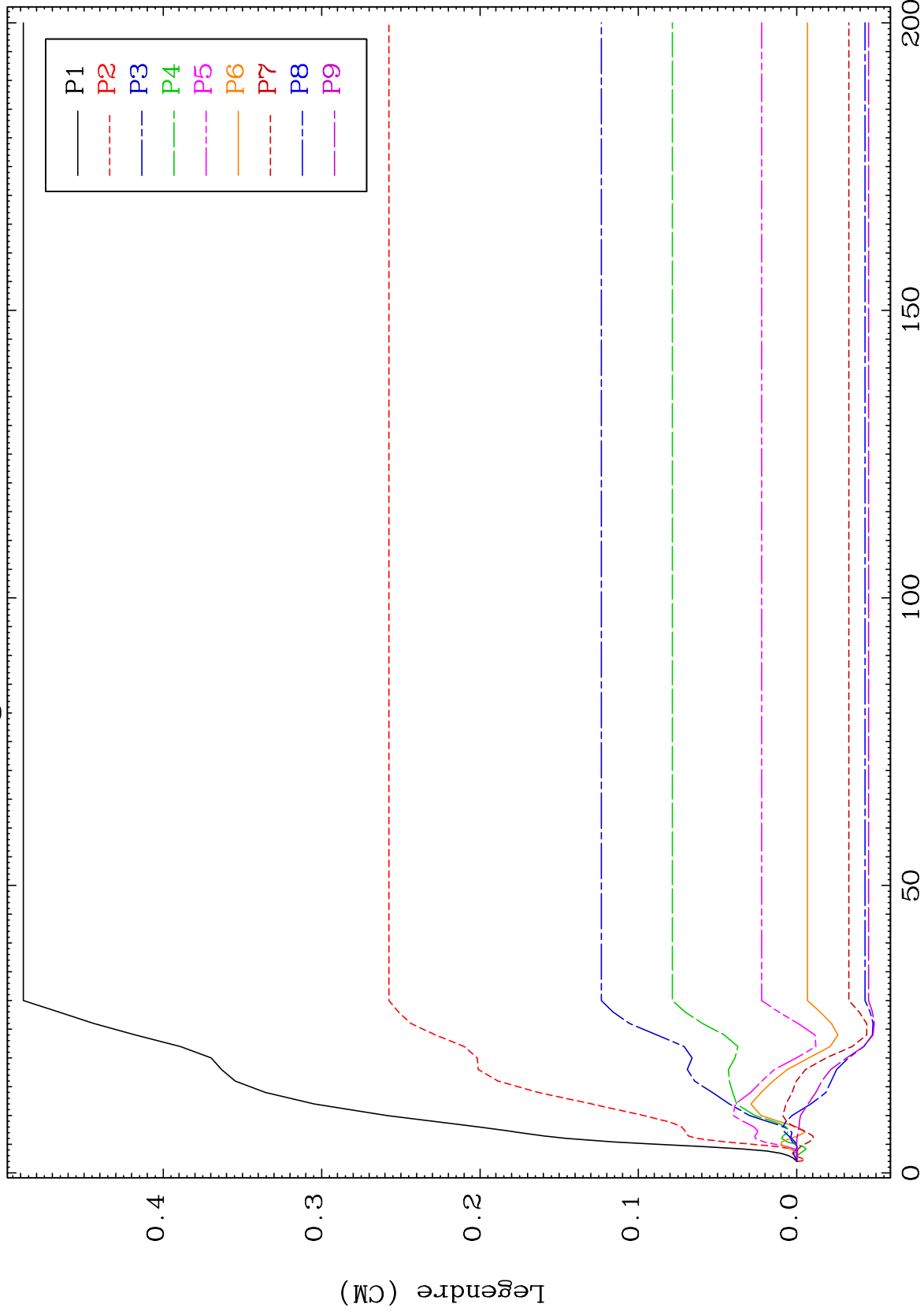
41-Nb-97



MAT 4137

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

41-Nb-97



71

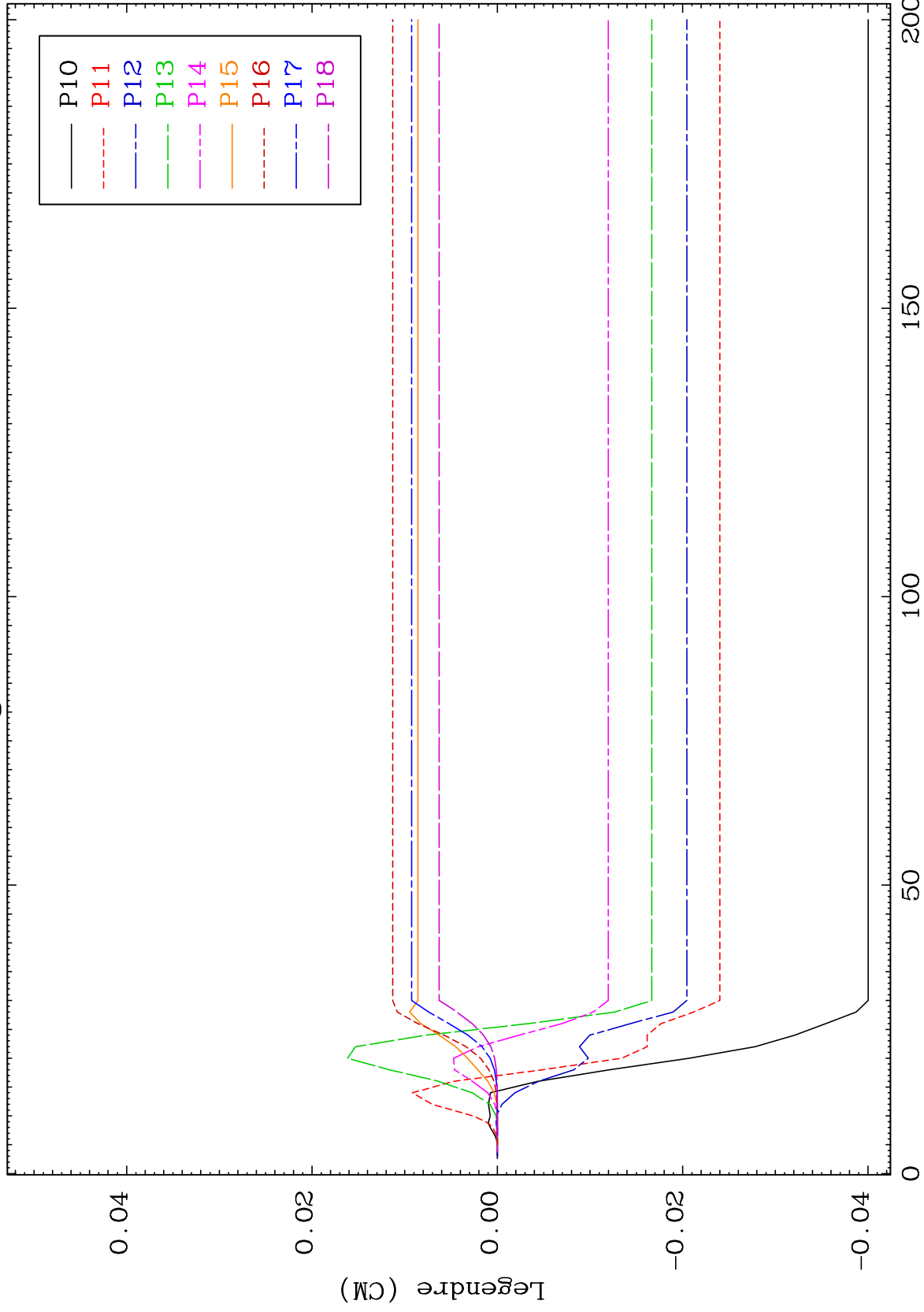
Incident Energy (MeV)

41-Nb-97

MAT 4137

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

41-Nb-97



72

Incident Energy (MeV)

41-Nb-97

MAT 4137

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

41-Nb-97



0.003

Legendre (C_l)

0.002

0.001

0.000

200

150

100

50

73

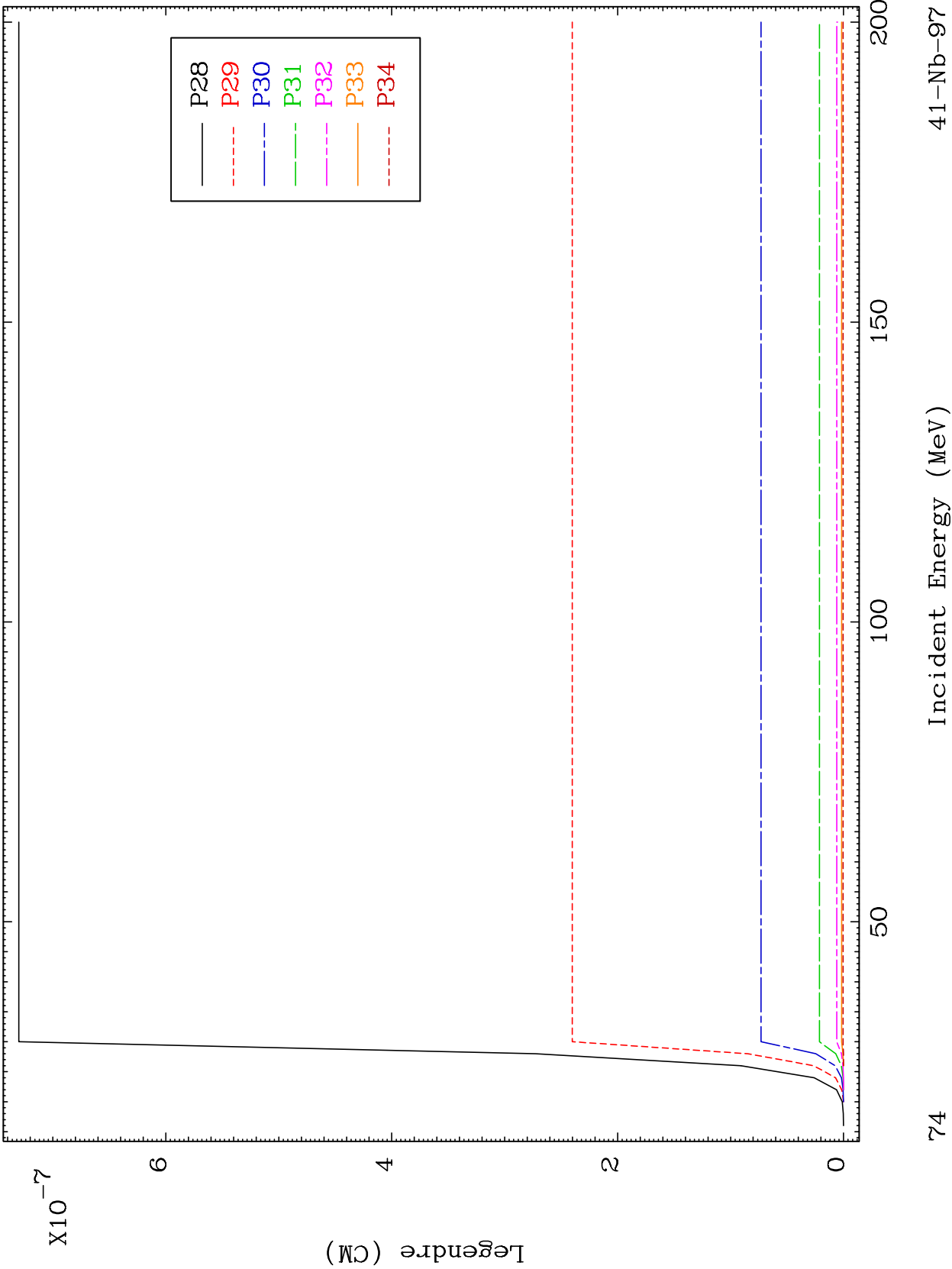
Incident Energy (MeV)

41-Nb-97

MAT 4137

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

41-Nb-97



74

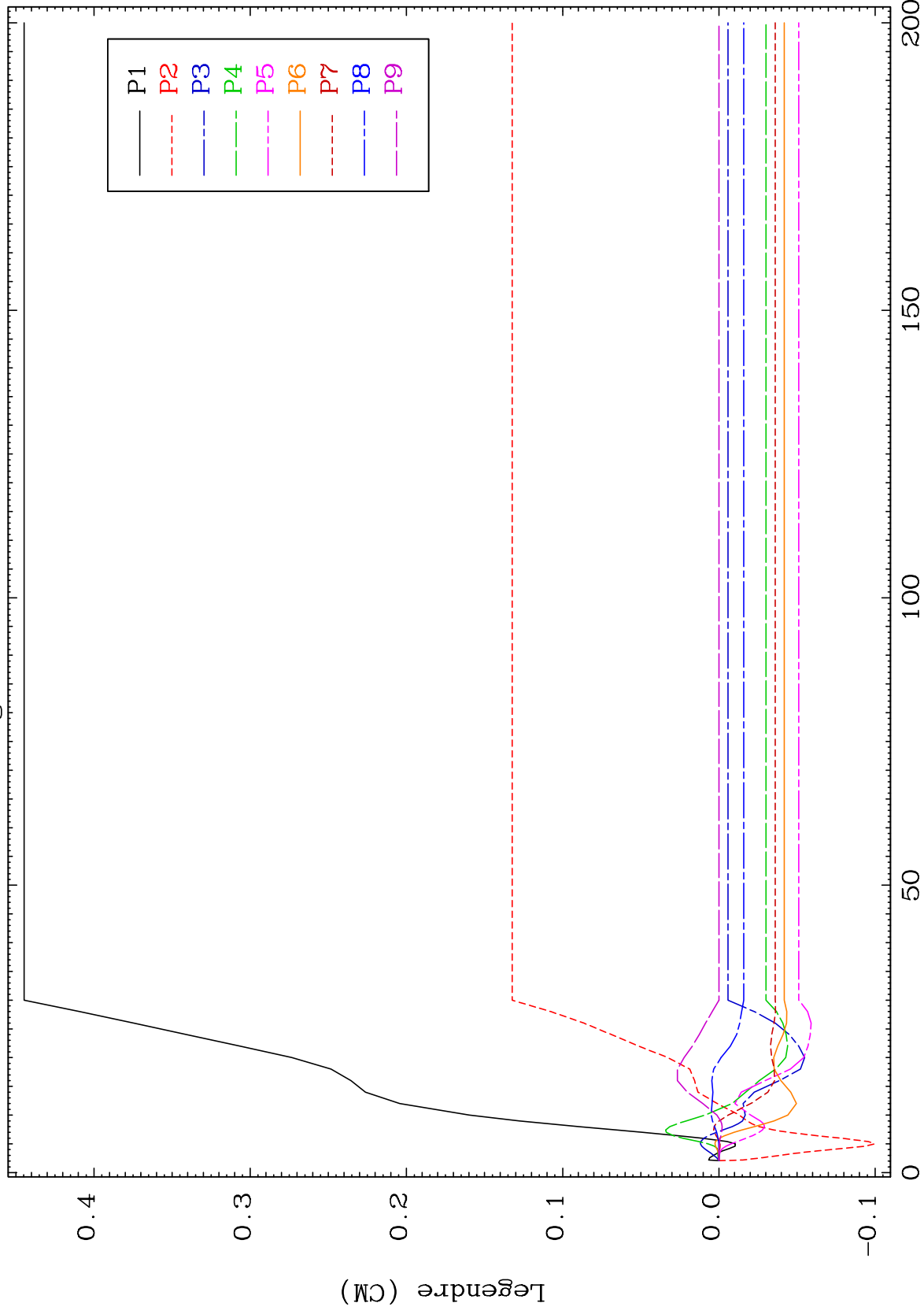
Incident Energy (MeV)

41-Nb-97

MAT 4137

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

41-Nb-97



75

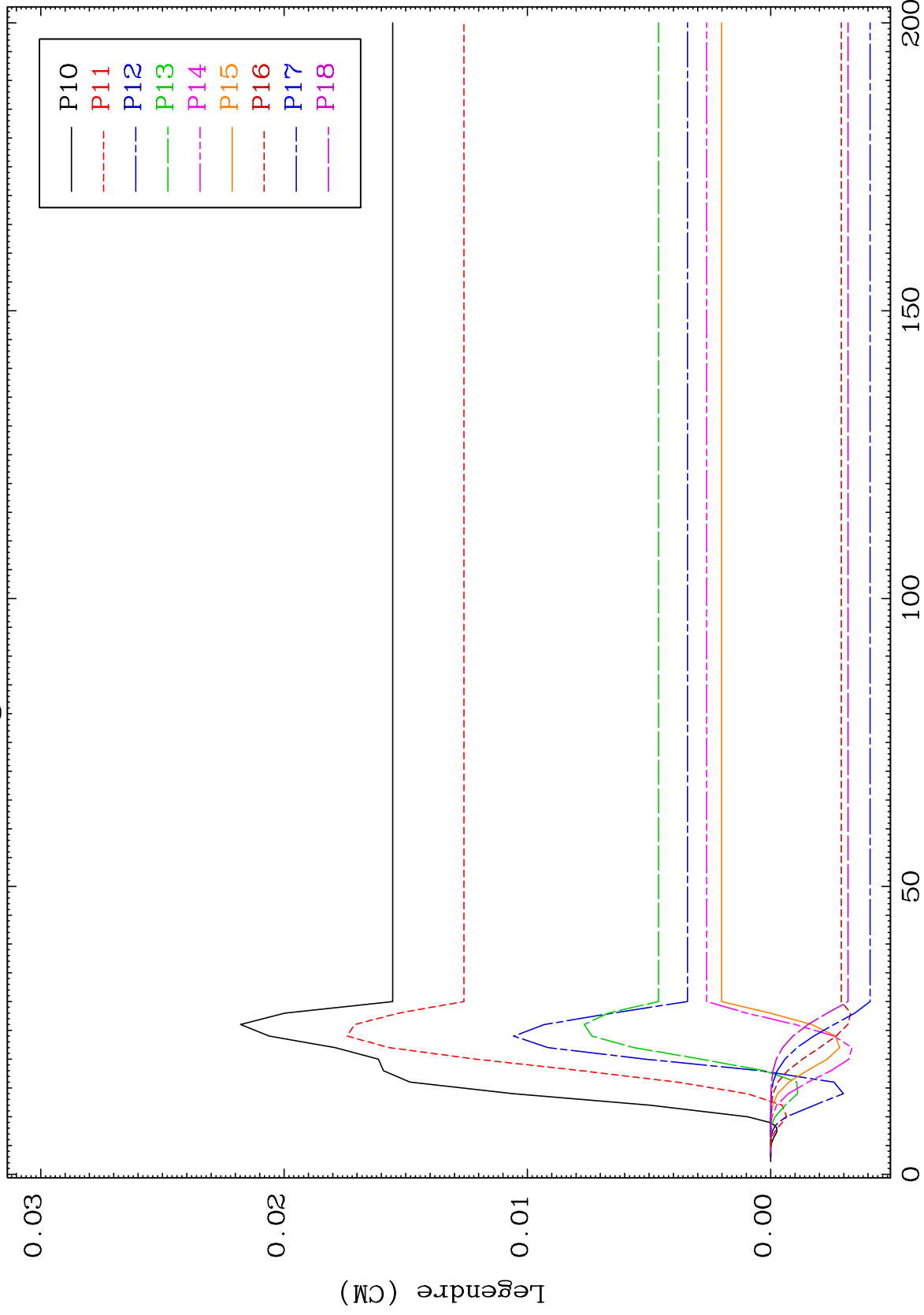
Incident Energy (MeV)

41-Nb-97

MAT 4137

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

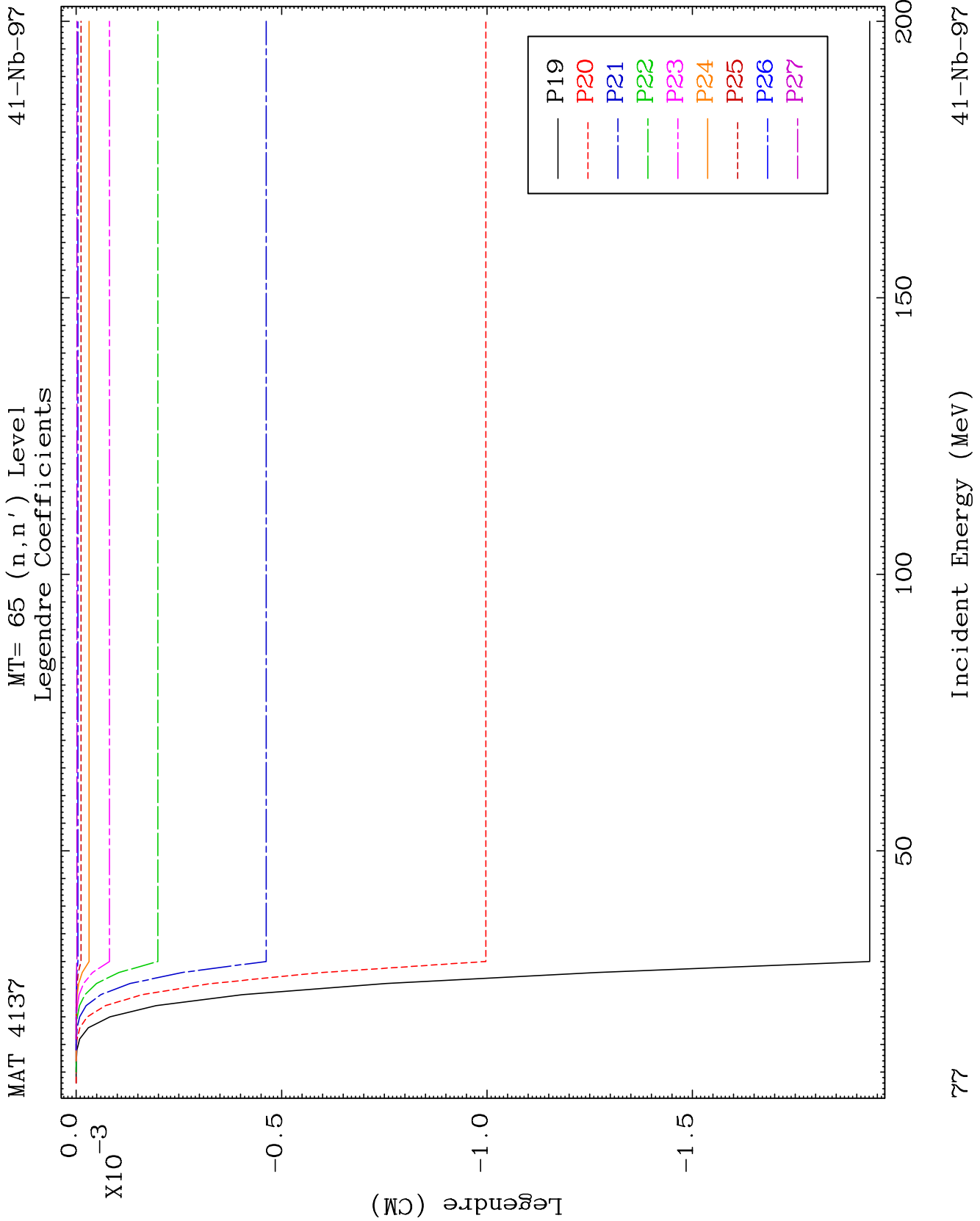
41-Nb-97

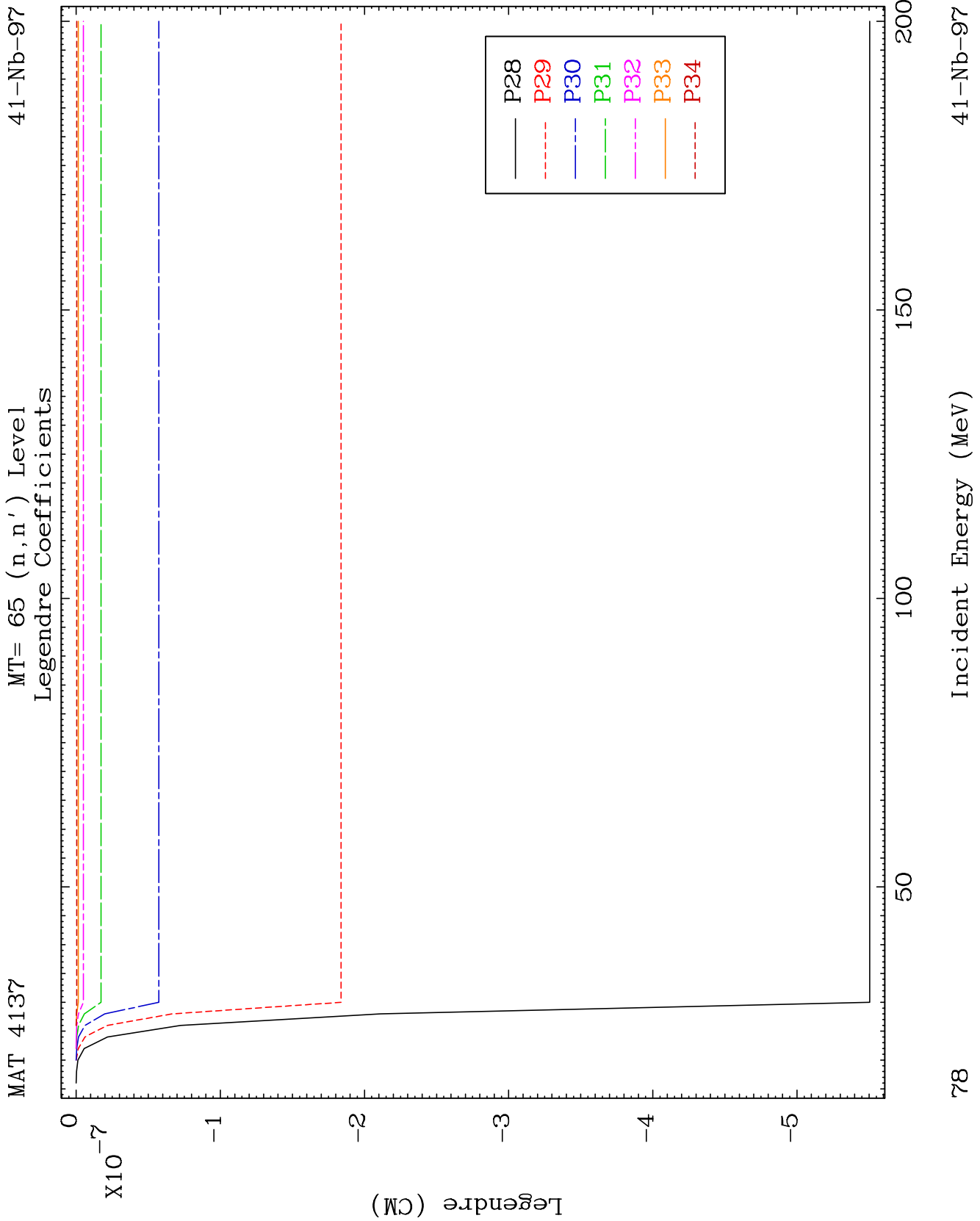


76

Incident Energy (MeV)

41-Nb-97

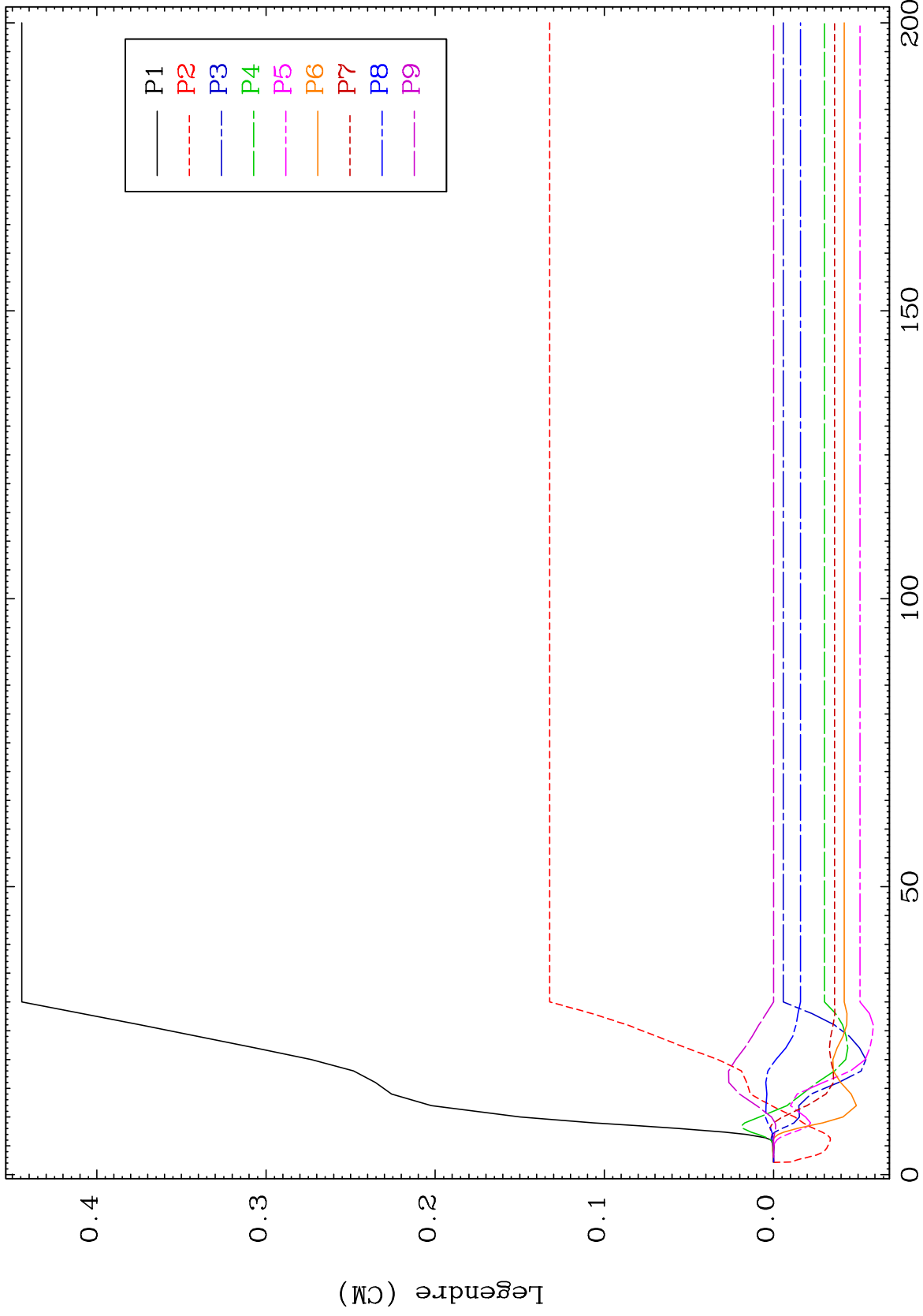




MAT 4137

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

41-Nb-97



79

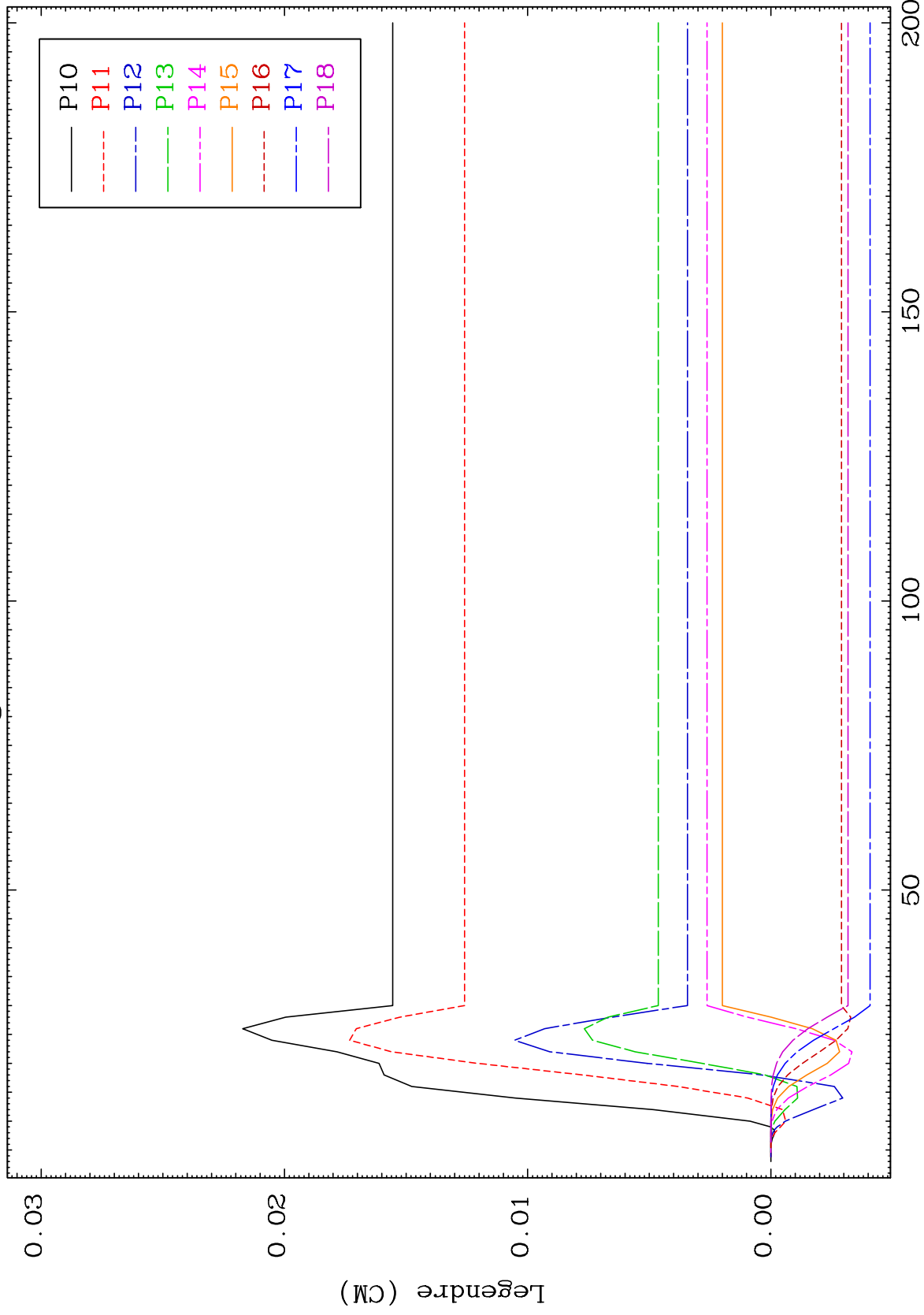
Incident Energy (MeV)

41-Nb-97

MAT 4137

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

41-Nb-97



80

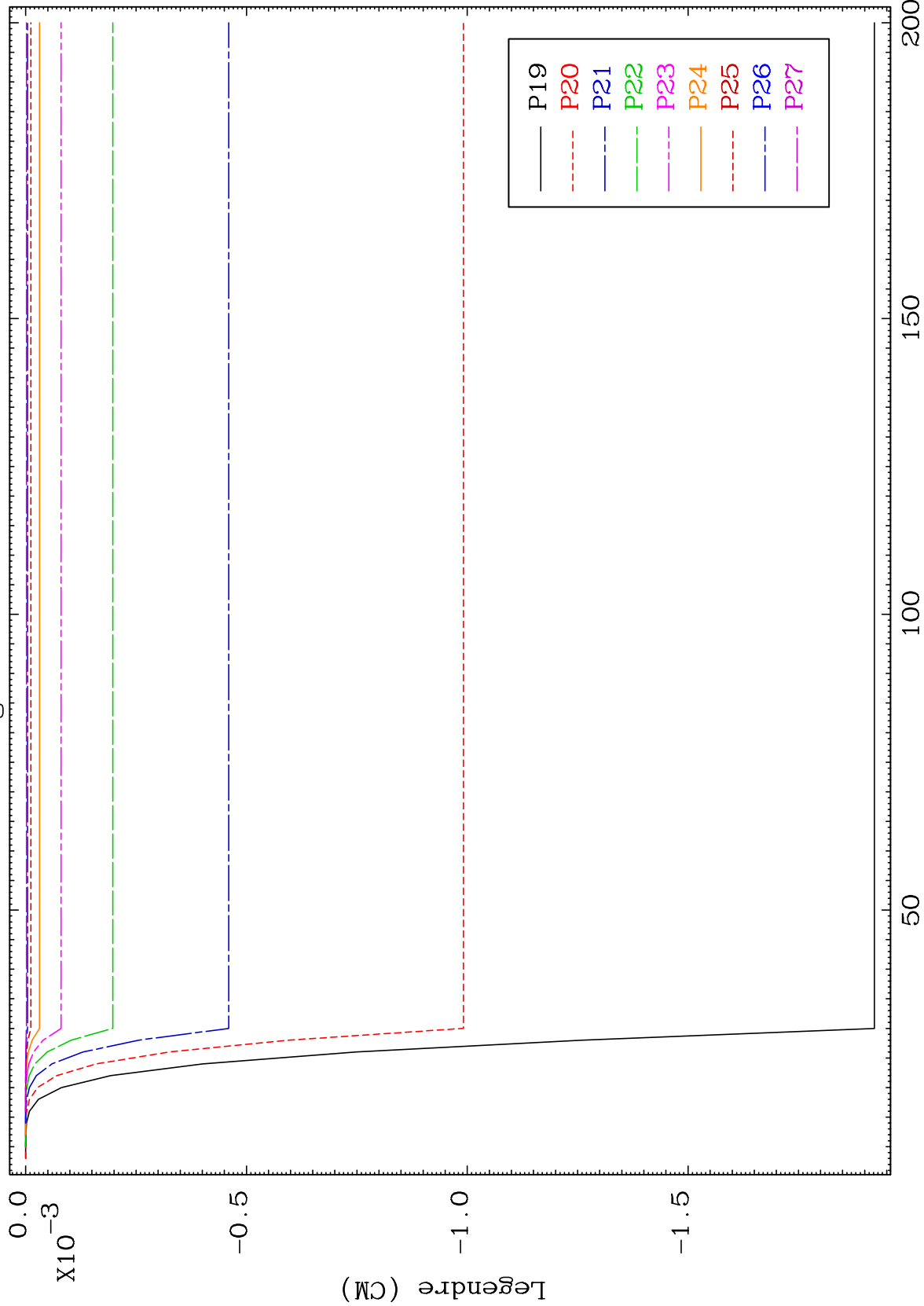
Incident Energy (MeV)

41-Nb-97

MAT 4137

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

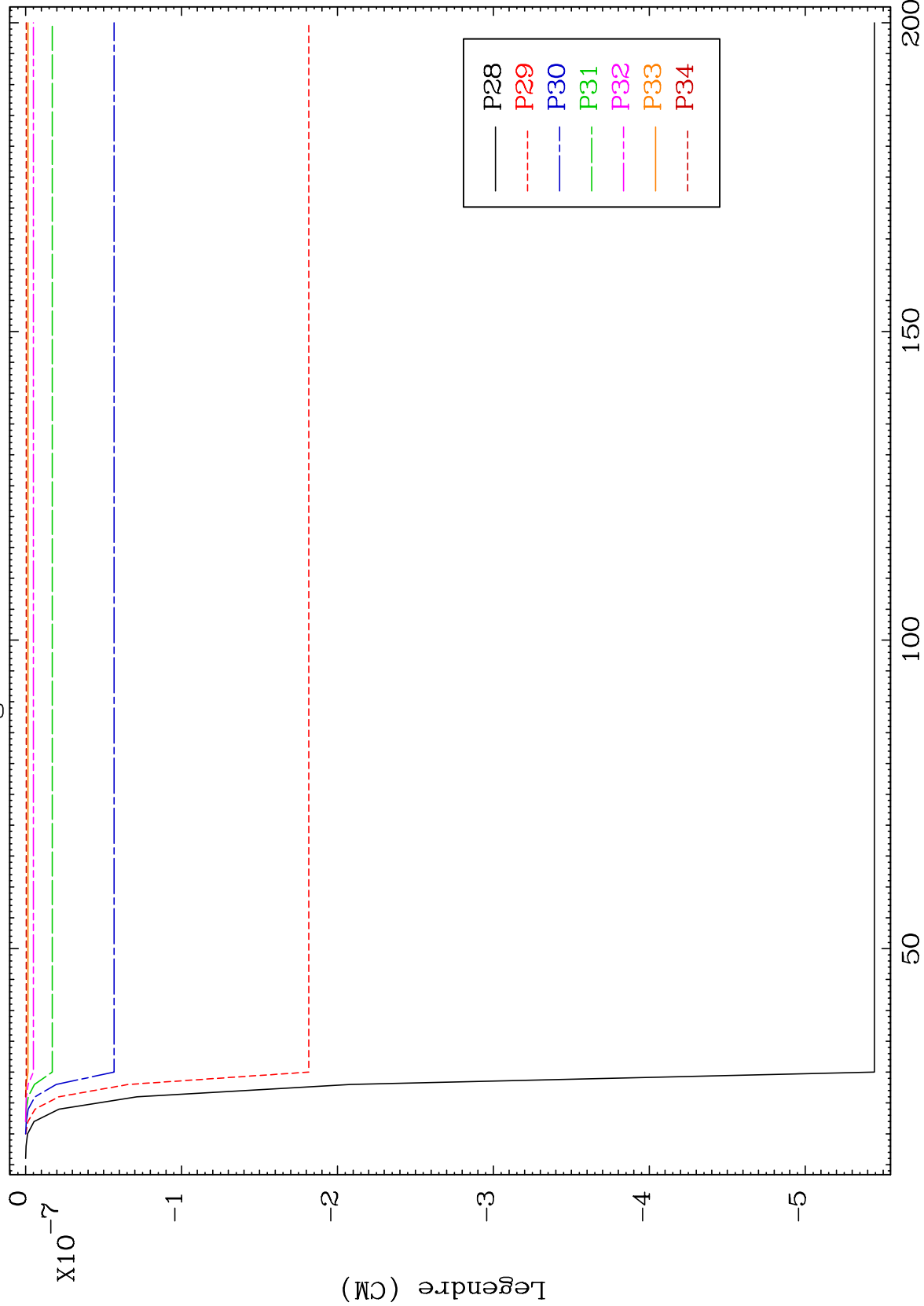
41-Nb-97



MAT 4137

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

41-Nb-97



82

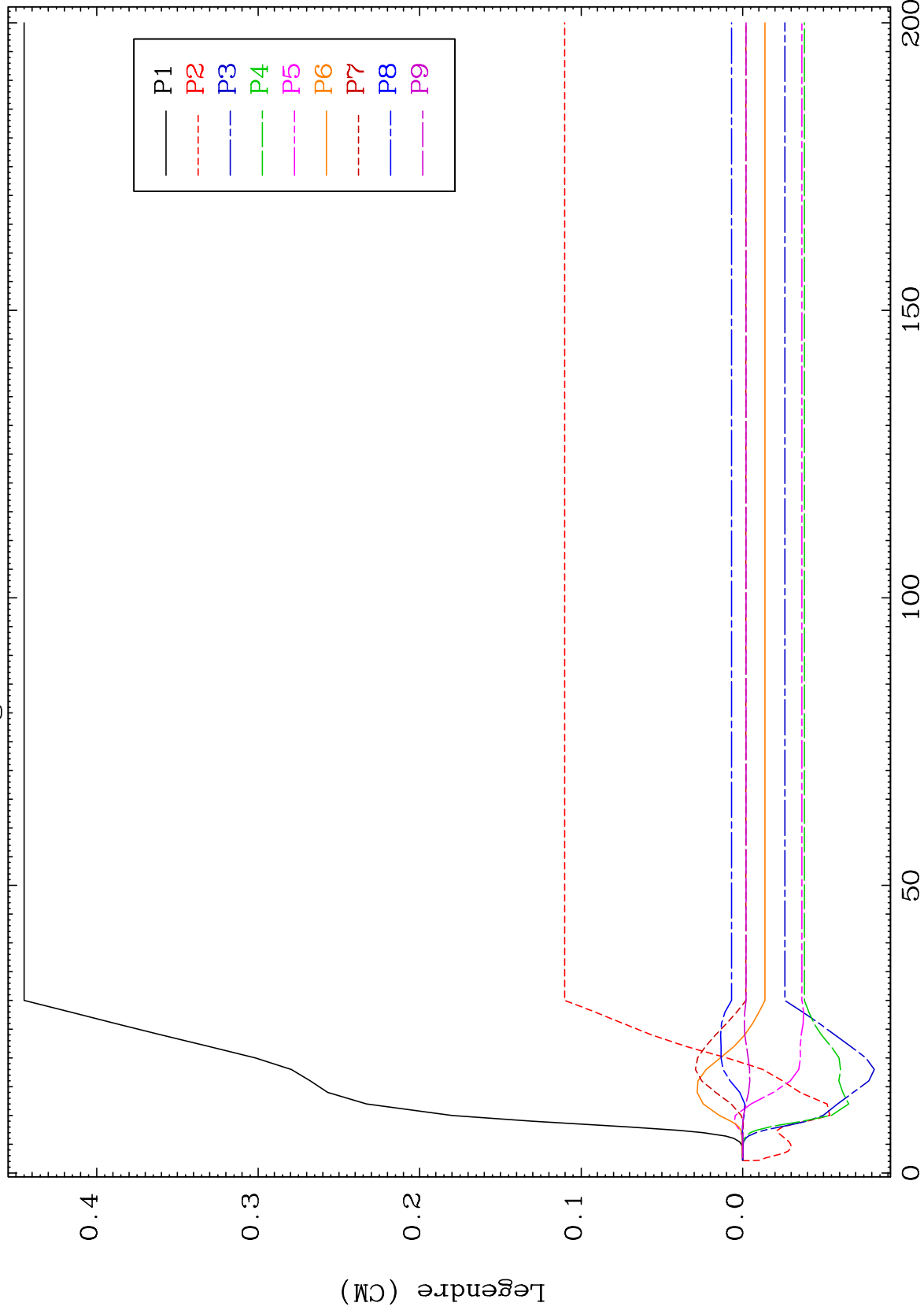
Incident Energy (MeV)

41-Nb-97

MAT 4137

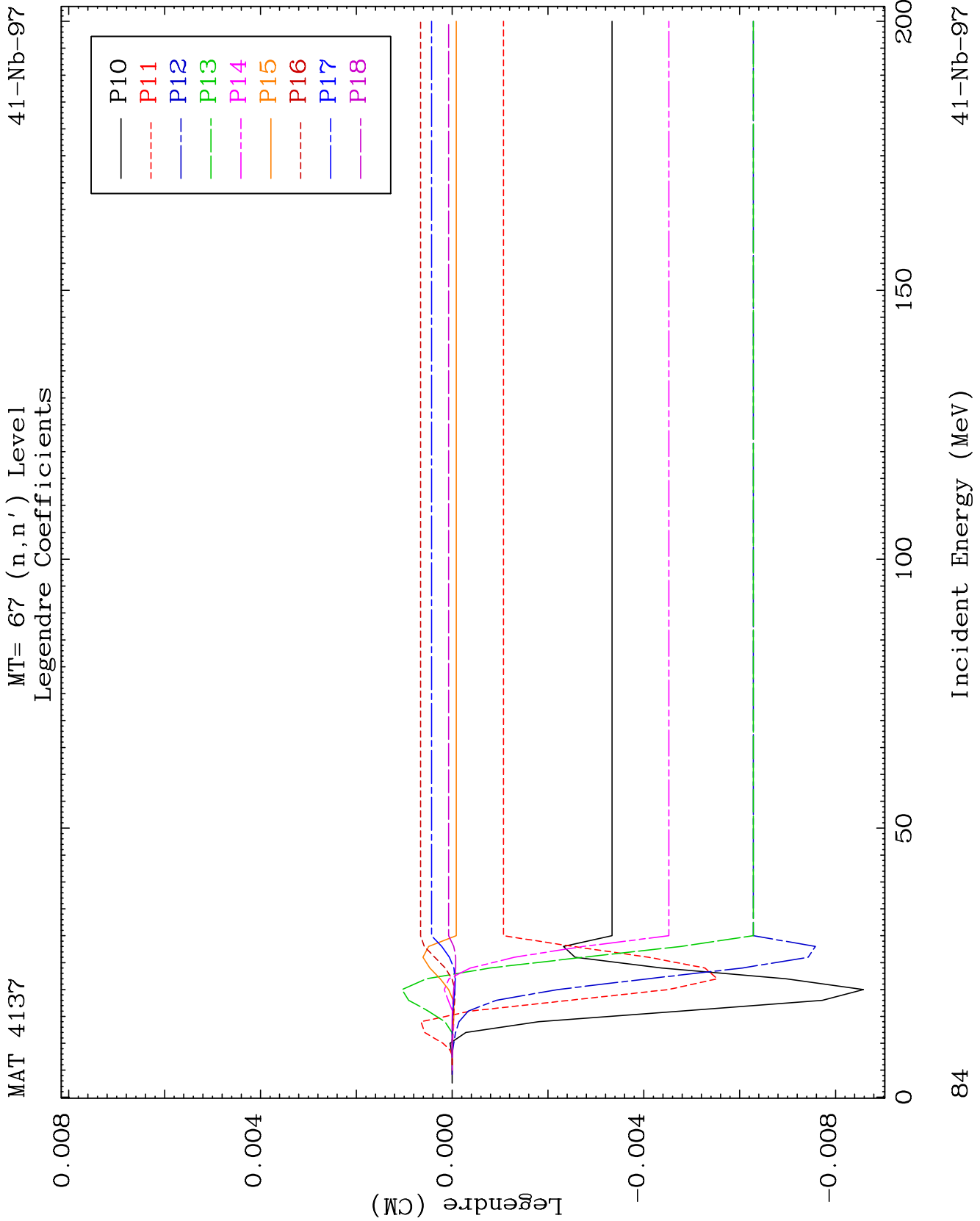
MT= 67 (n,n') Level
Legendre Coefficients

41-Nb-97



83

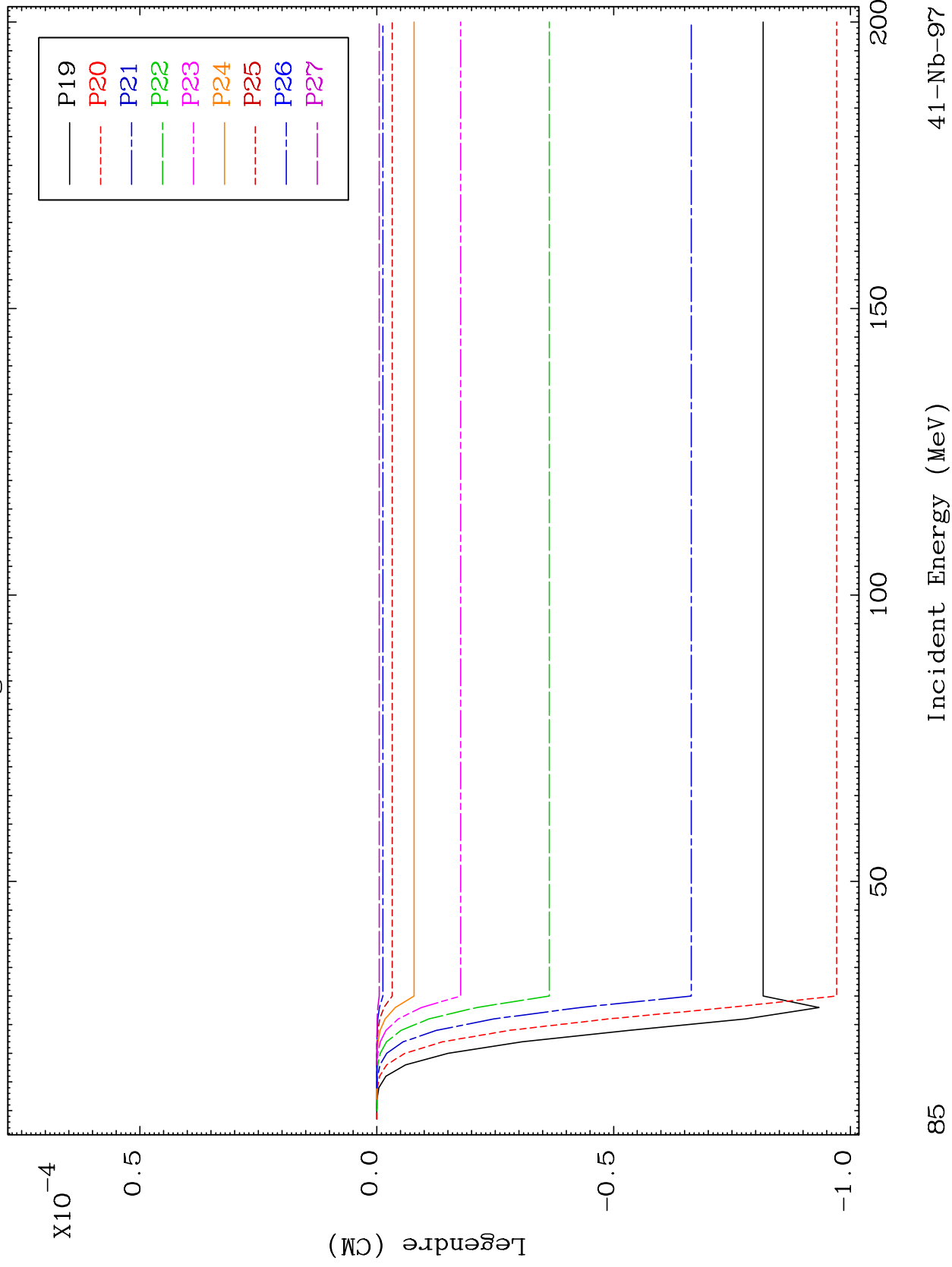
41-Nb-97



MAT 4137

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

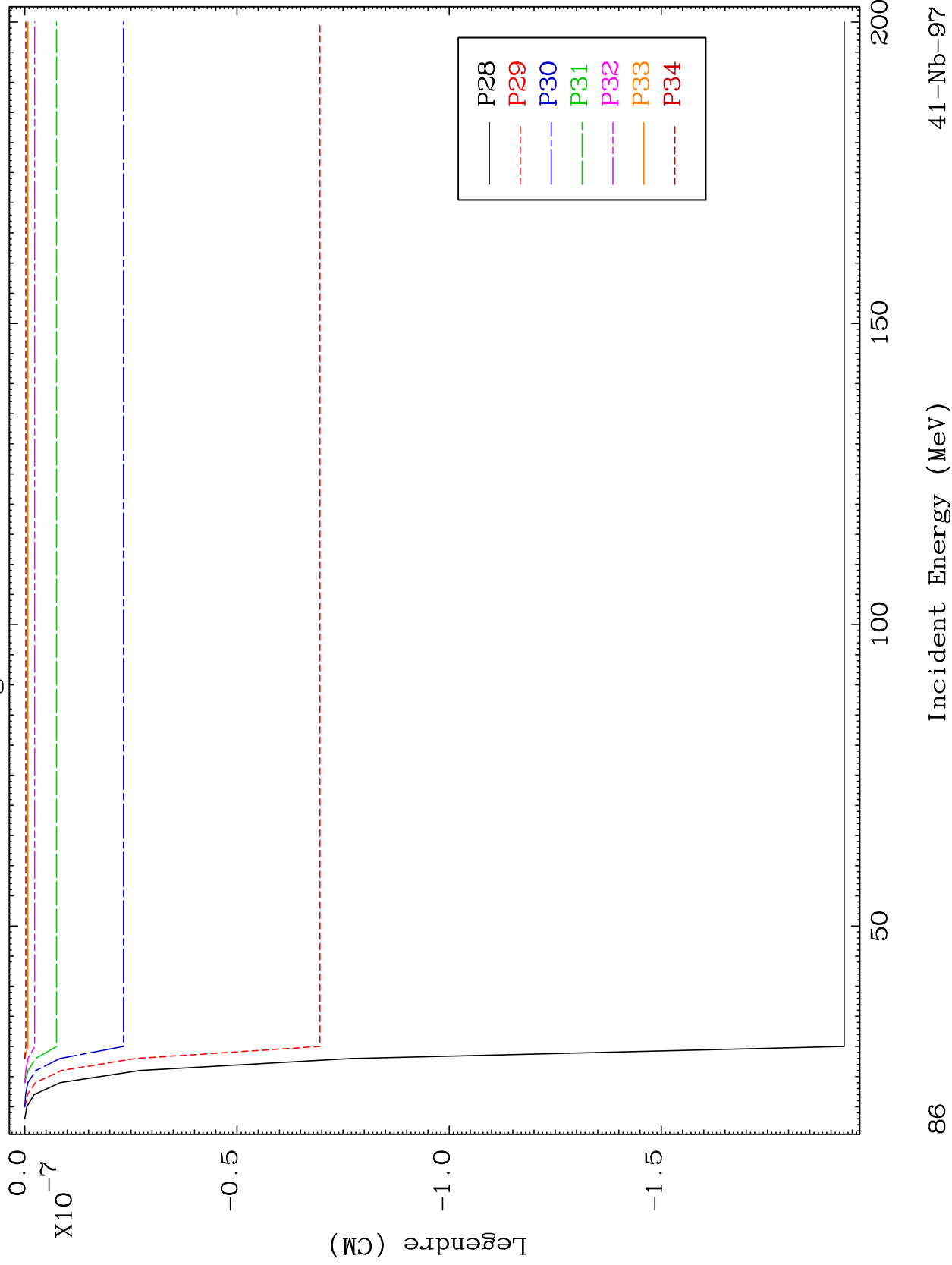
41-Nb-97



MAT 4137

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

41-Nb-97



86

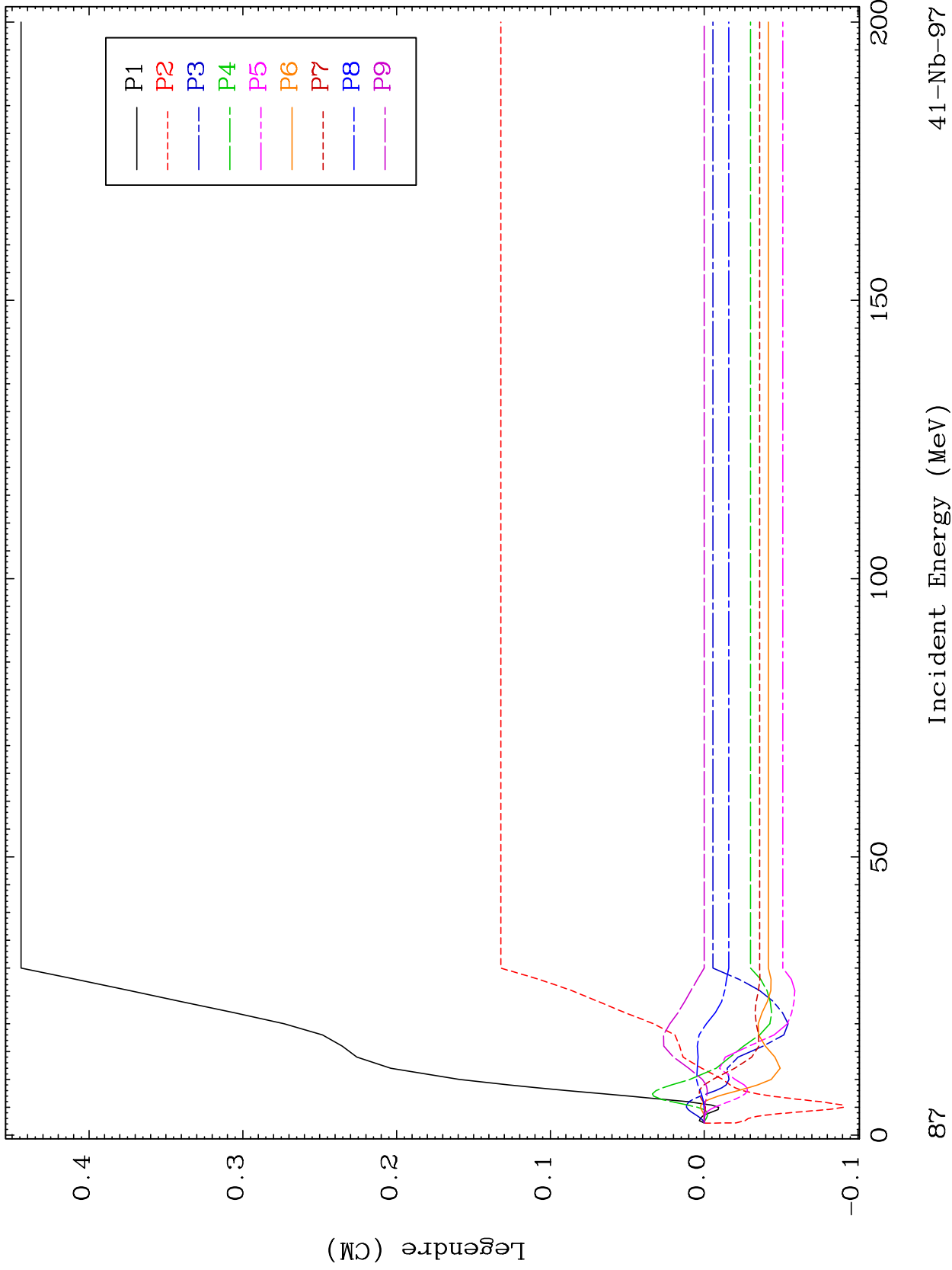
Incident Energy (MeV)

41-Nb-97

MAT 4137

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

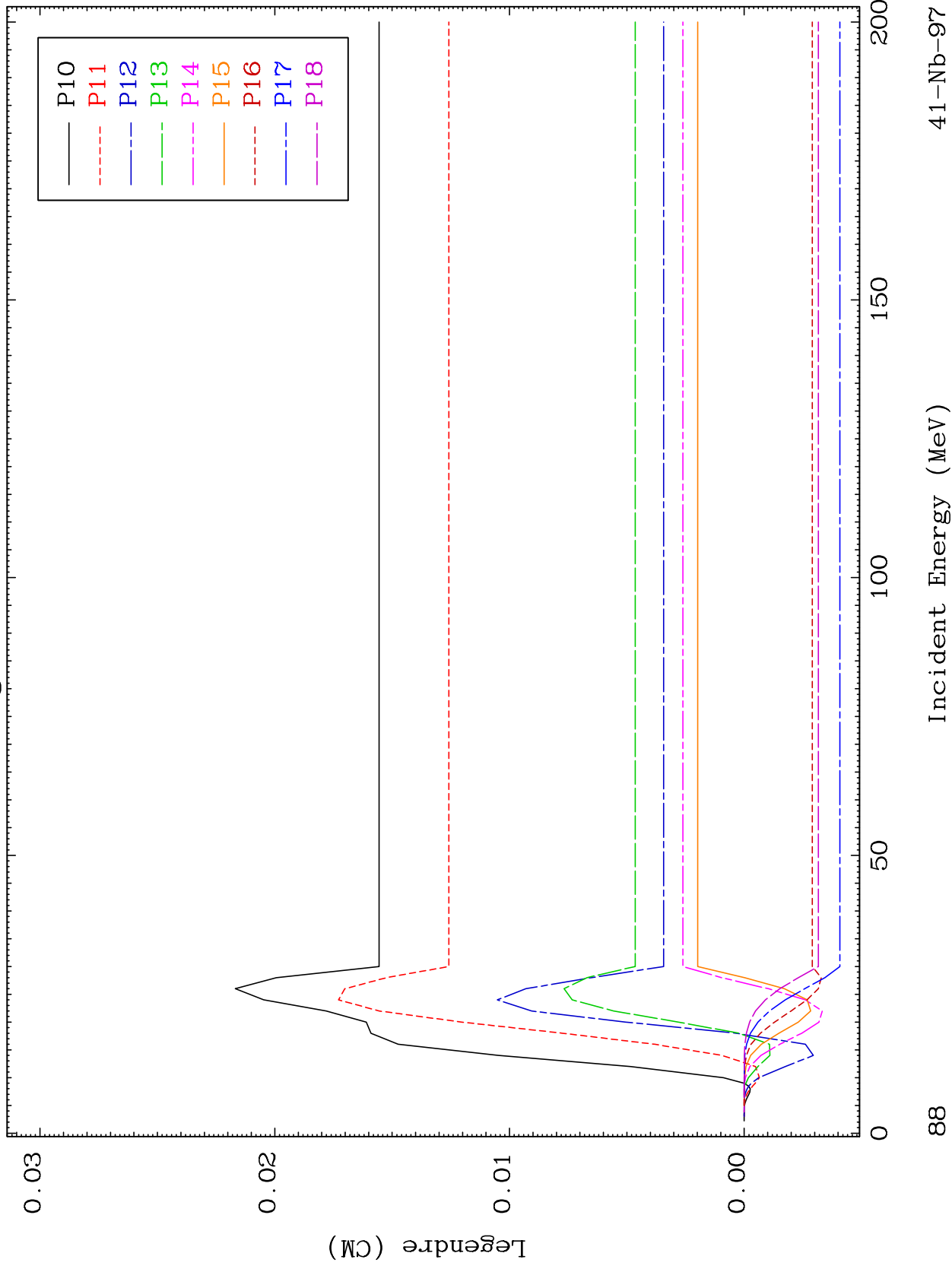
41-Nb-97



MAT 4137

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

41-Nb-97



88

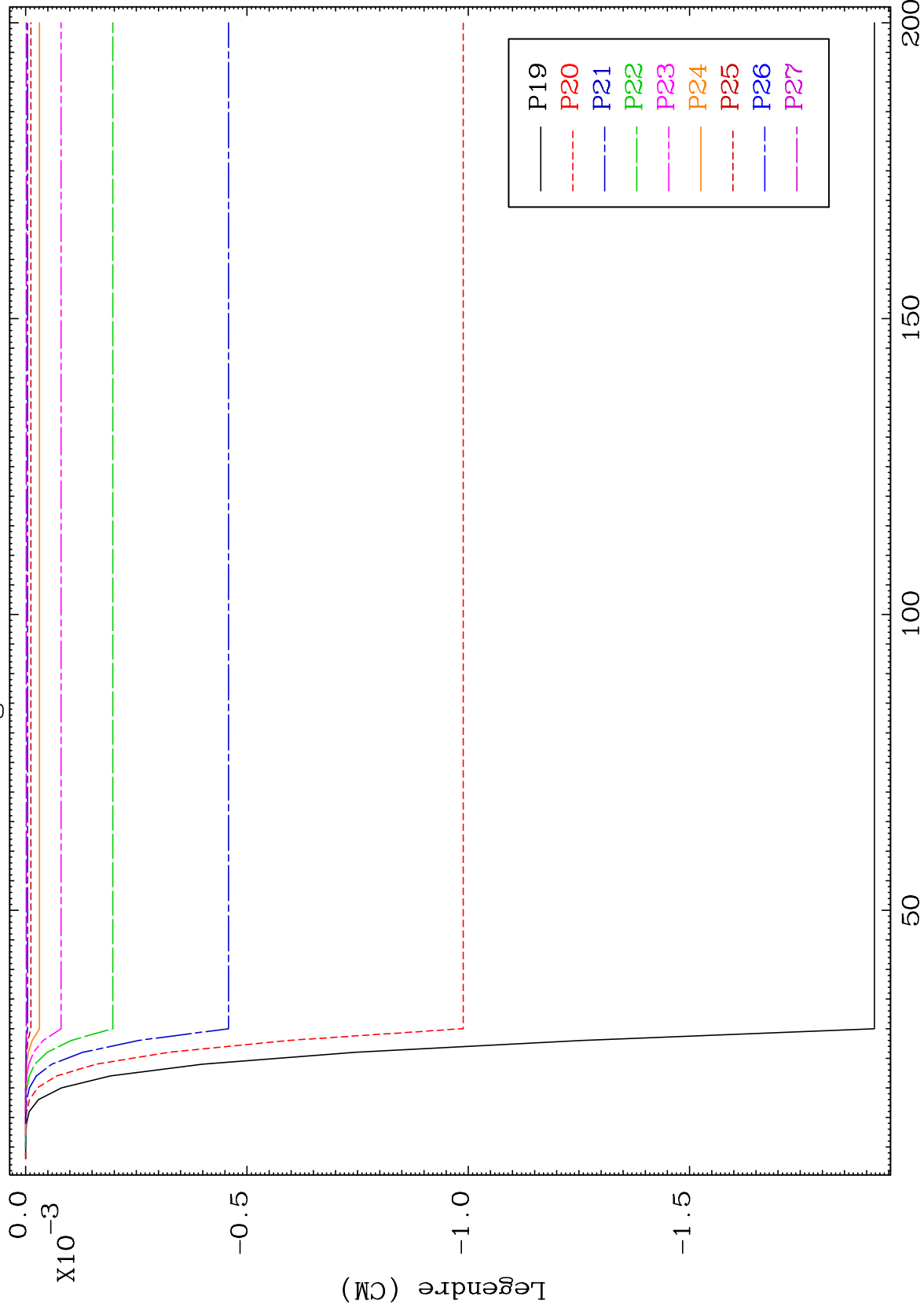
Incident Energy (MeV)

41-Nb-97

MAT 4137

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

41-Nb-97



89

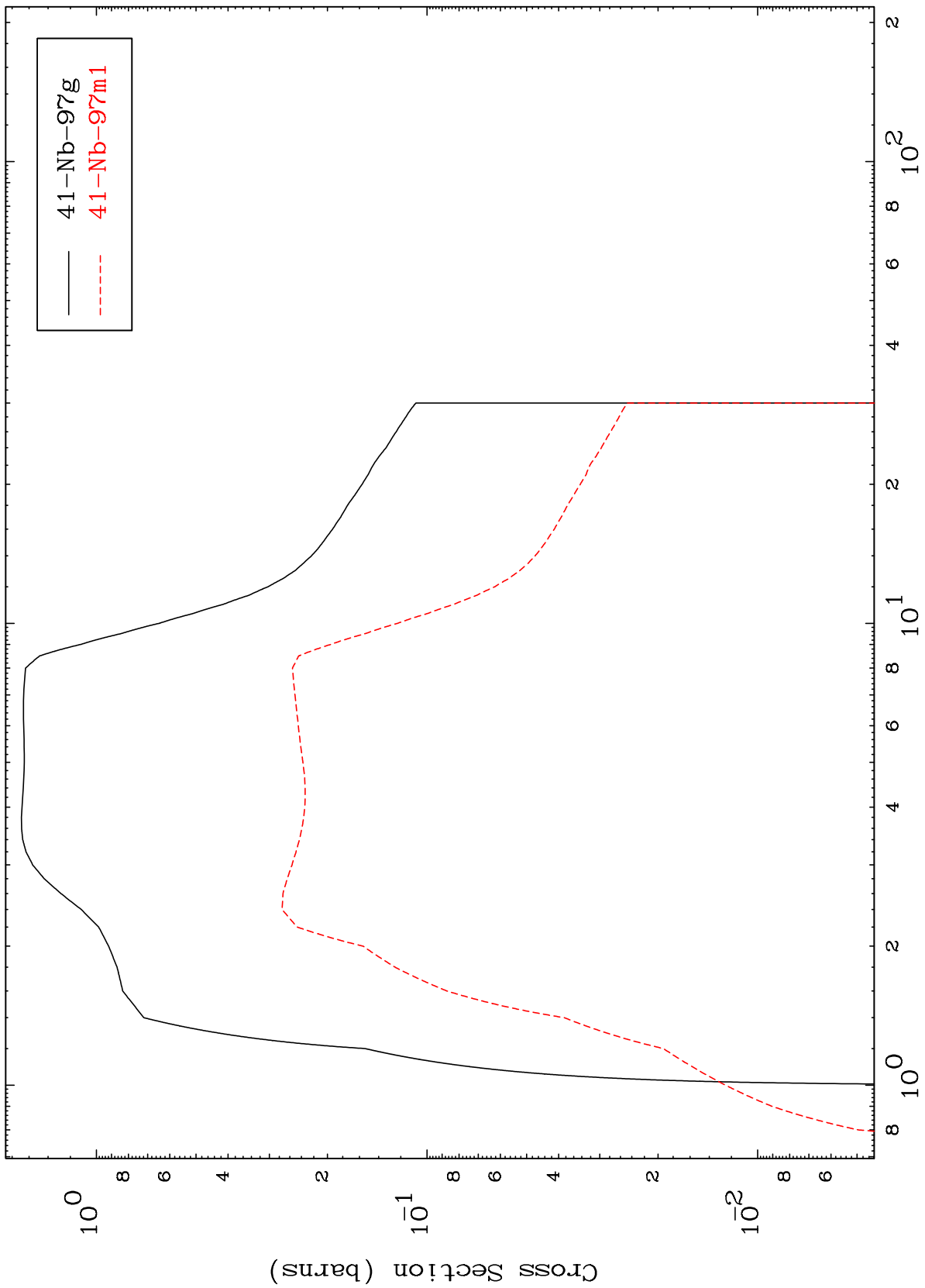
Incident Energy (MeV)

41-Nb-97

MAT 4137

41-Nb-97

Inelastic
Radionuclide Production Cross Section



91

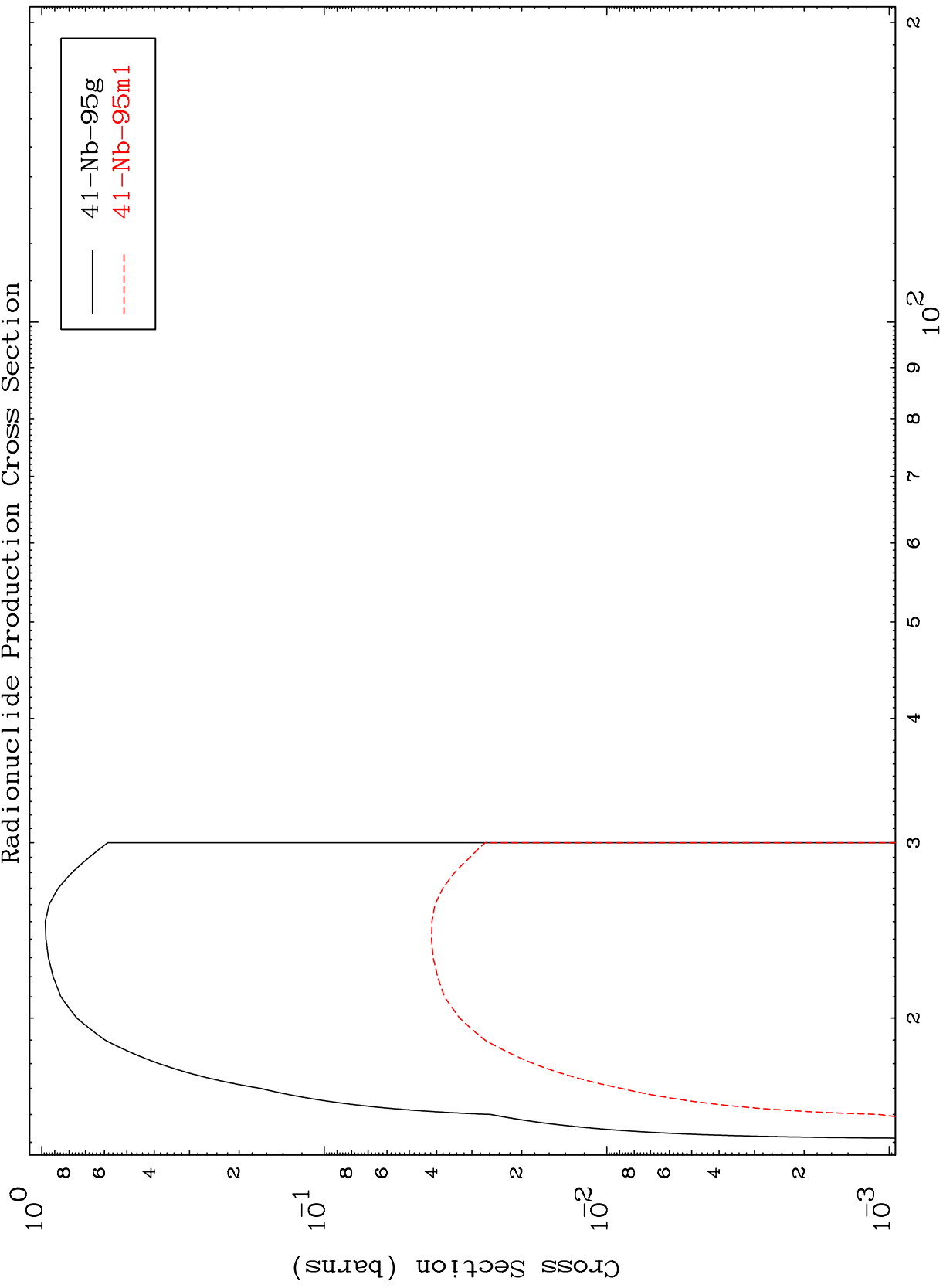
Incident Energy (MeV)

41-Nb-97

MAT 4137

41-Nb-97

(n,3n)
Radionuclide Production Cross Section



92

Incident Energy (MeV)

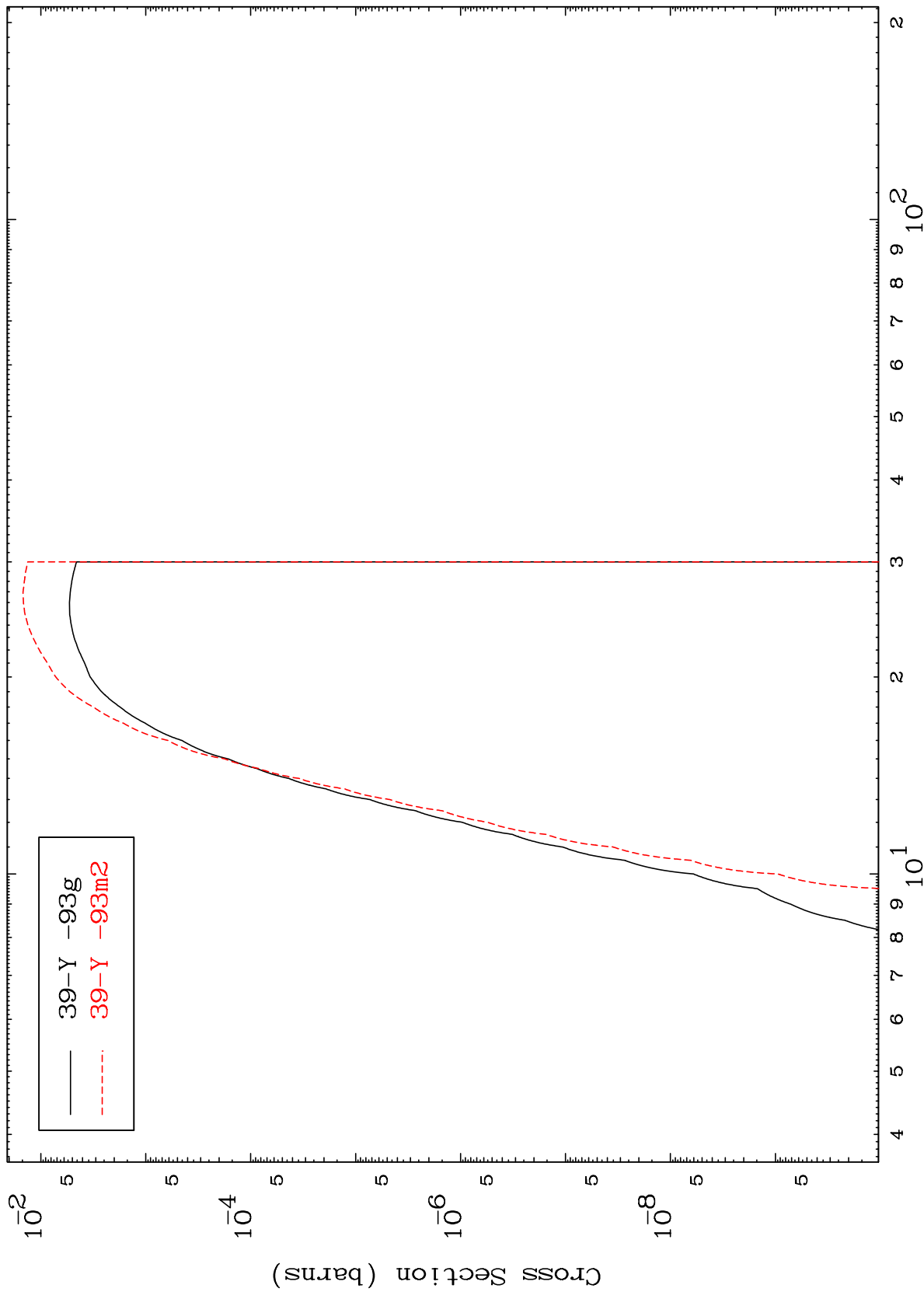
41-Nb-97

MAT 4137

(n,n') α

41-Nb-97

Radionuclide Production Cross Section

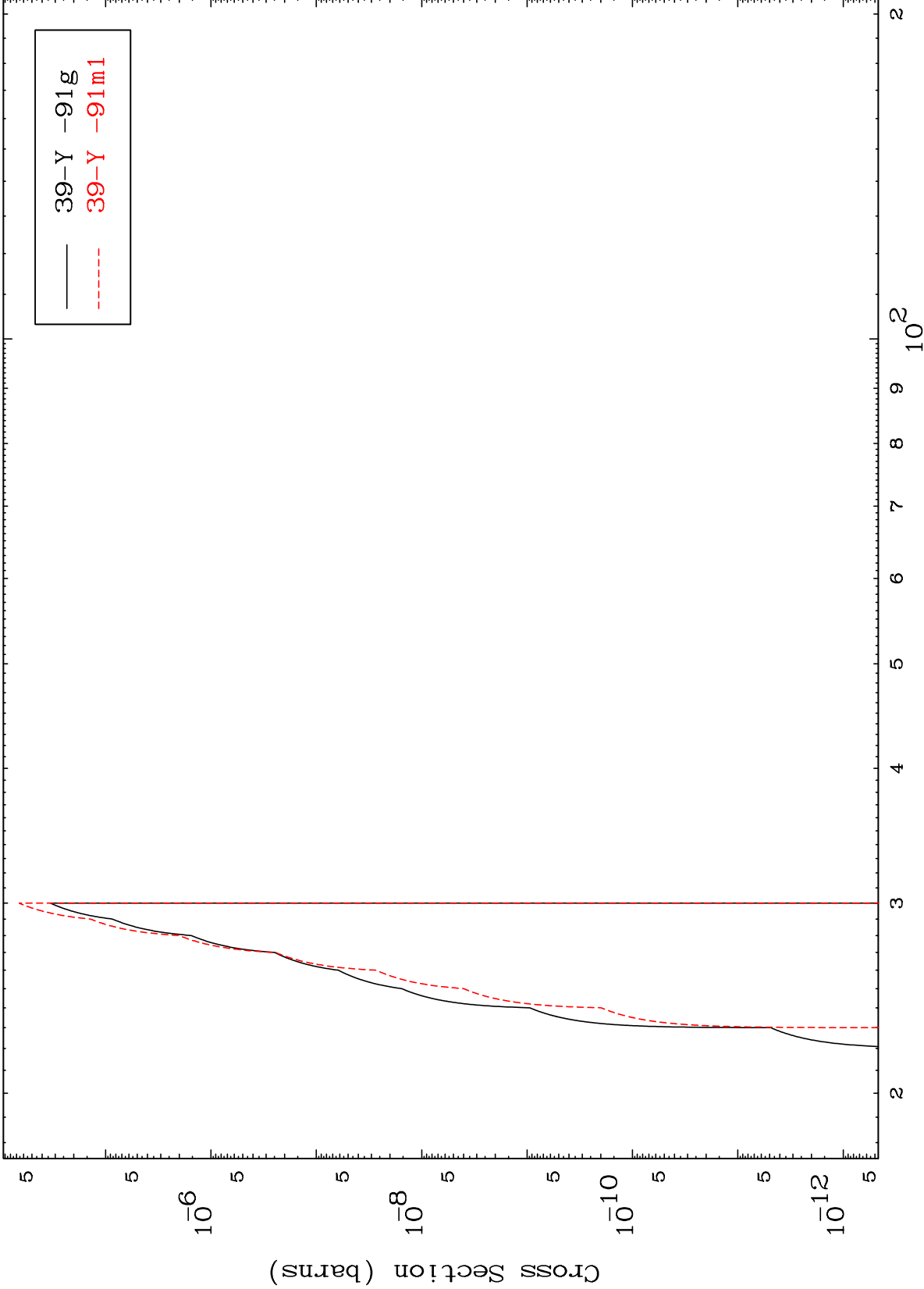


93

Incident Energy (MeV)

41-Nb-97

Radionuclide Production Cross Section

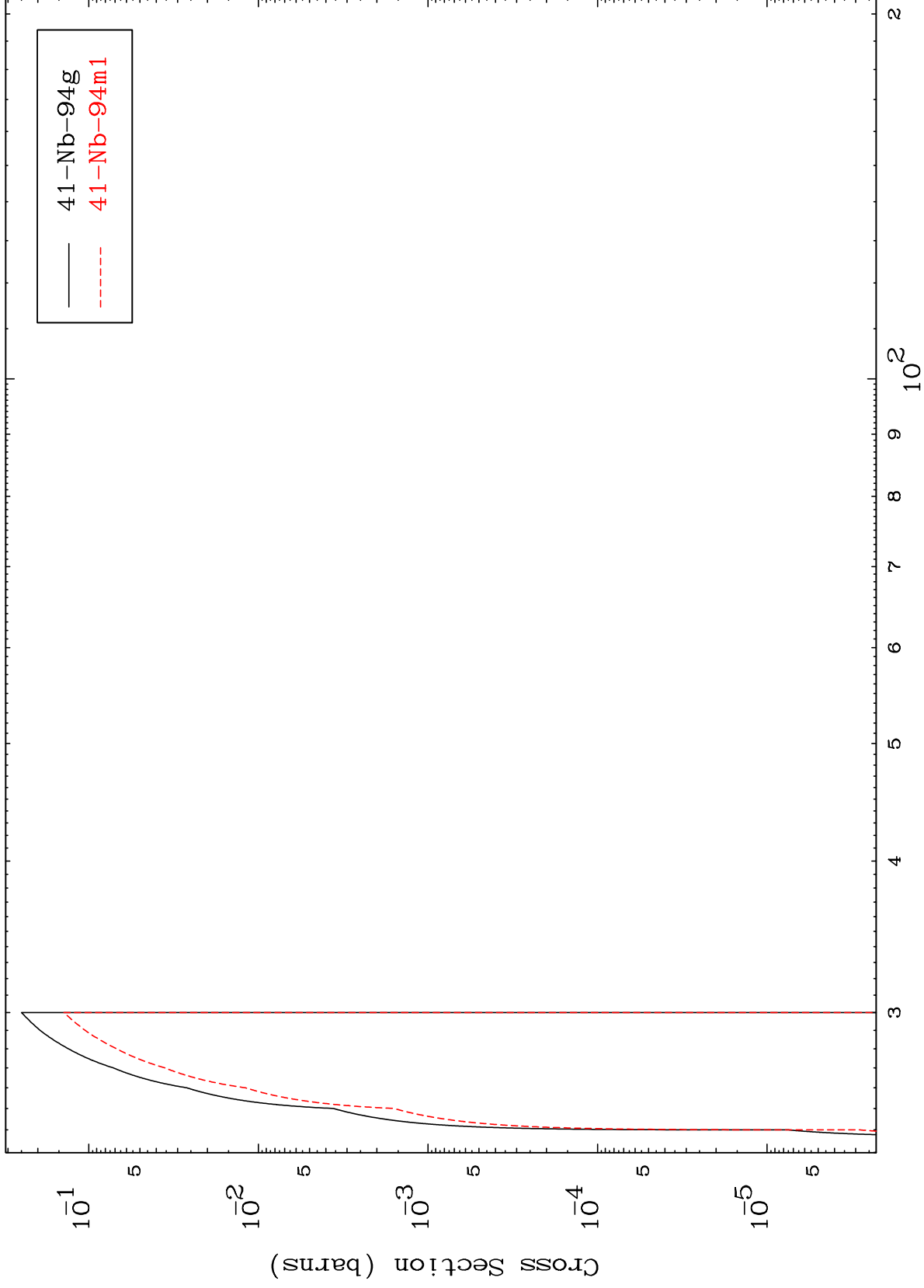


MAT 4137

(n,4n)

41-Nb-97

Radionuclide Production Cross Section



95

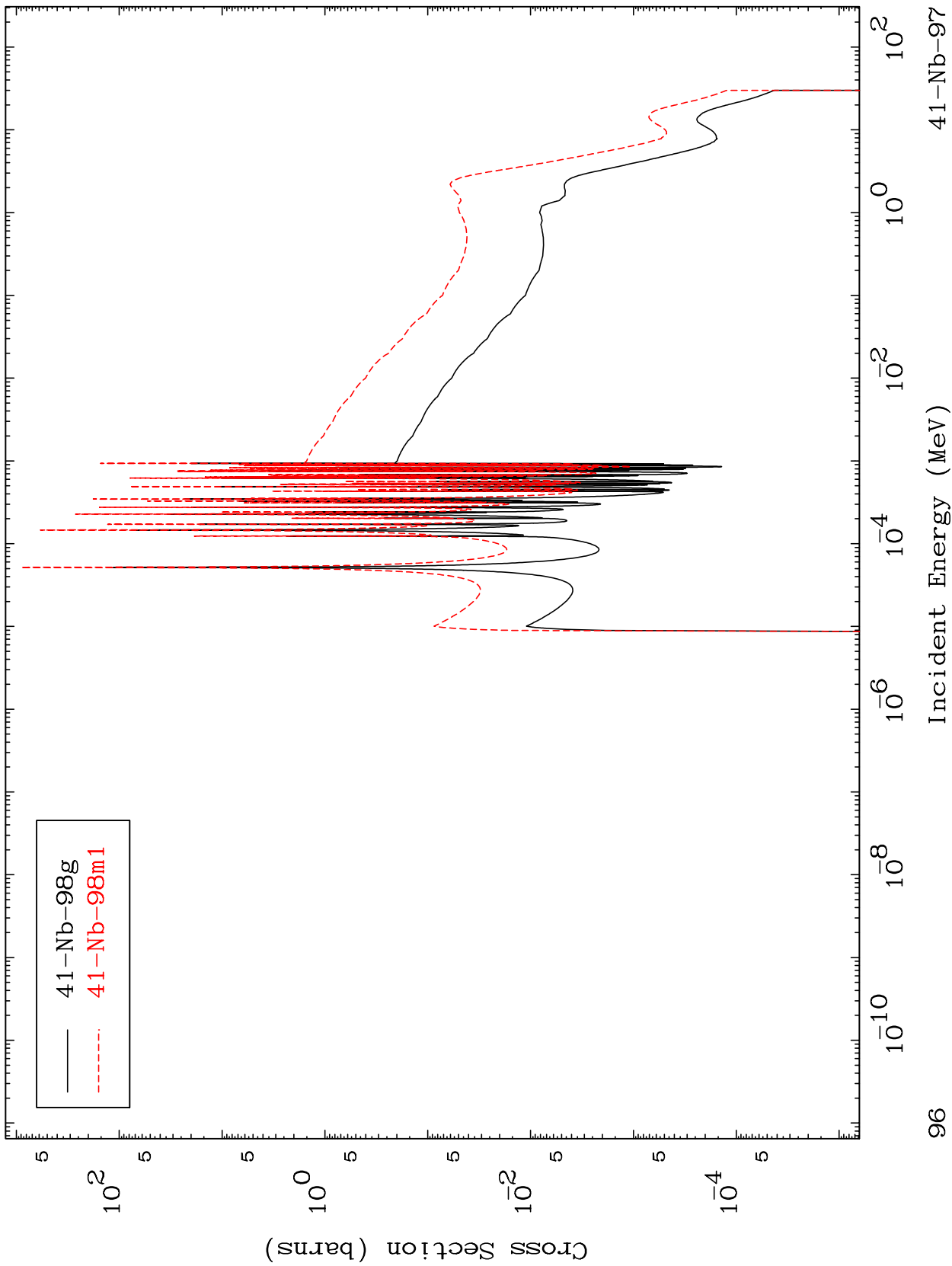
Incident Energy (MeV)

41-Nb-97

MAT 4137

41-Nb-97

(n, γ)
Radionuclide Production Cross Section



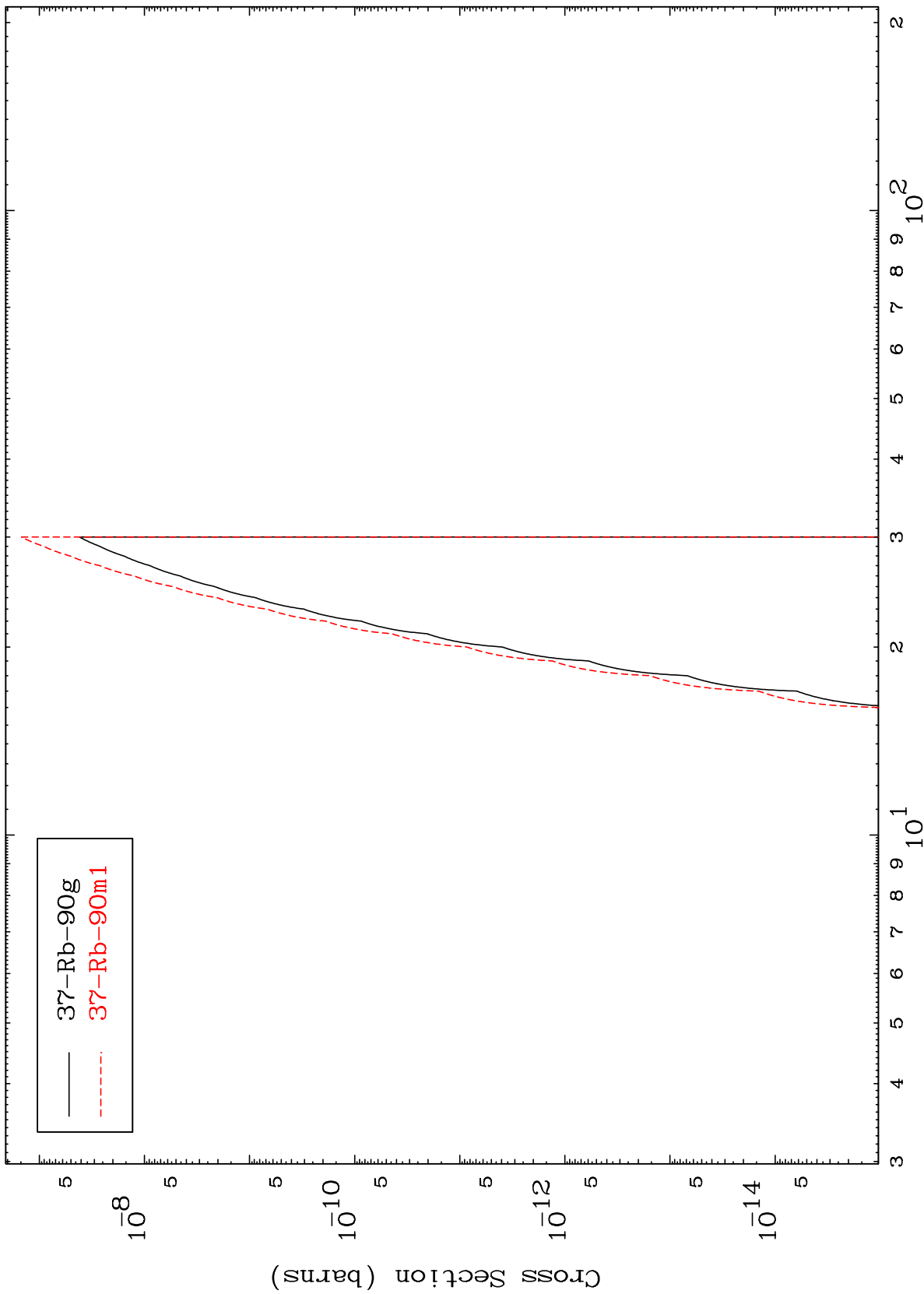
96

41-Nb-97

MAT 4137

41-Nb-97

Radionuclide Production Cross Section
(n,2α)

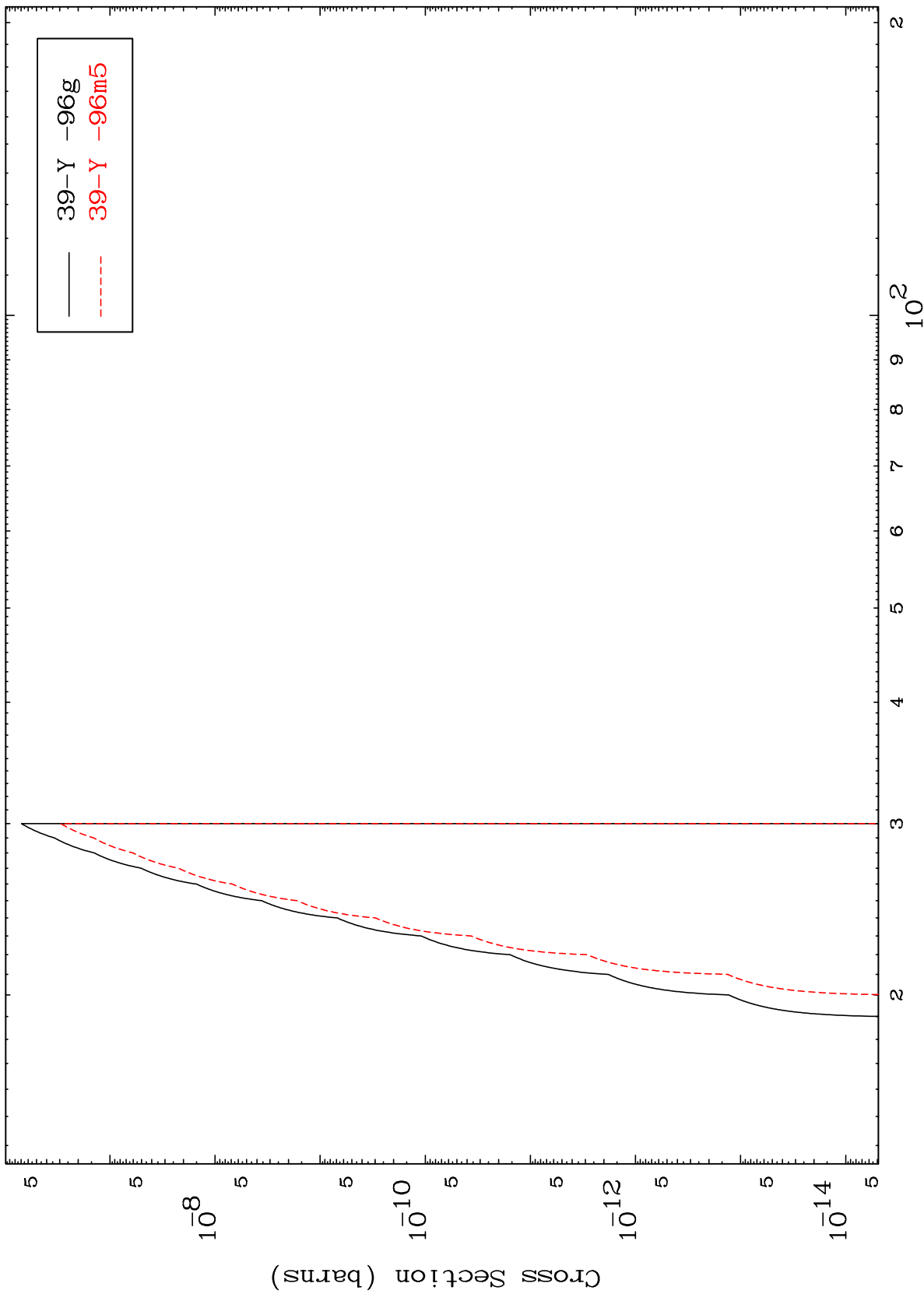


97

Incident Energy (MeV)

41-Nb-97

(n,2p)
Radionuclide Production Cross Section



39-Y -96g
39-Y -96m5