

Program EVALPLOT  
(Version 2021-1)

by

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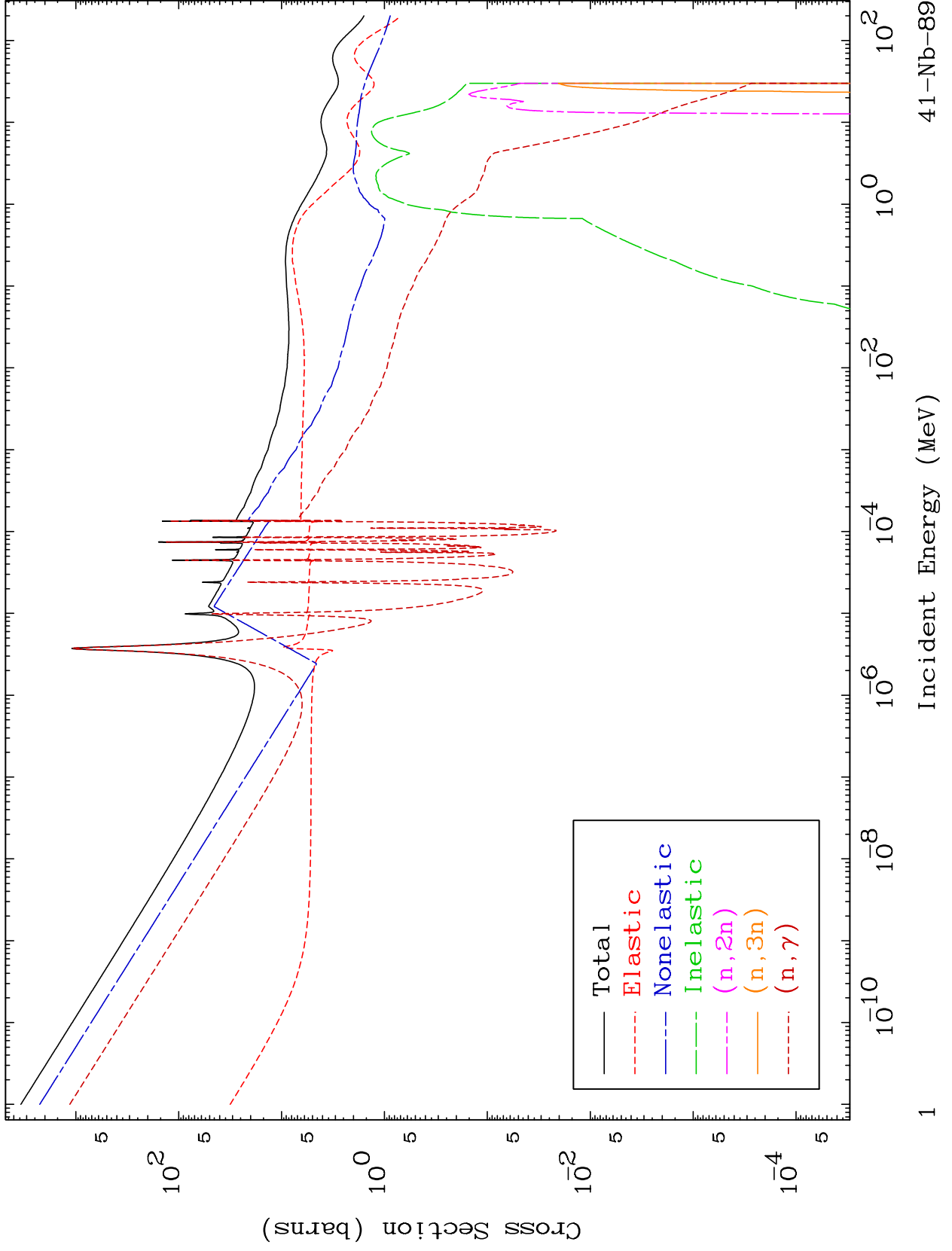
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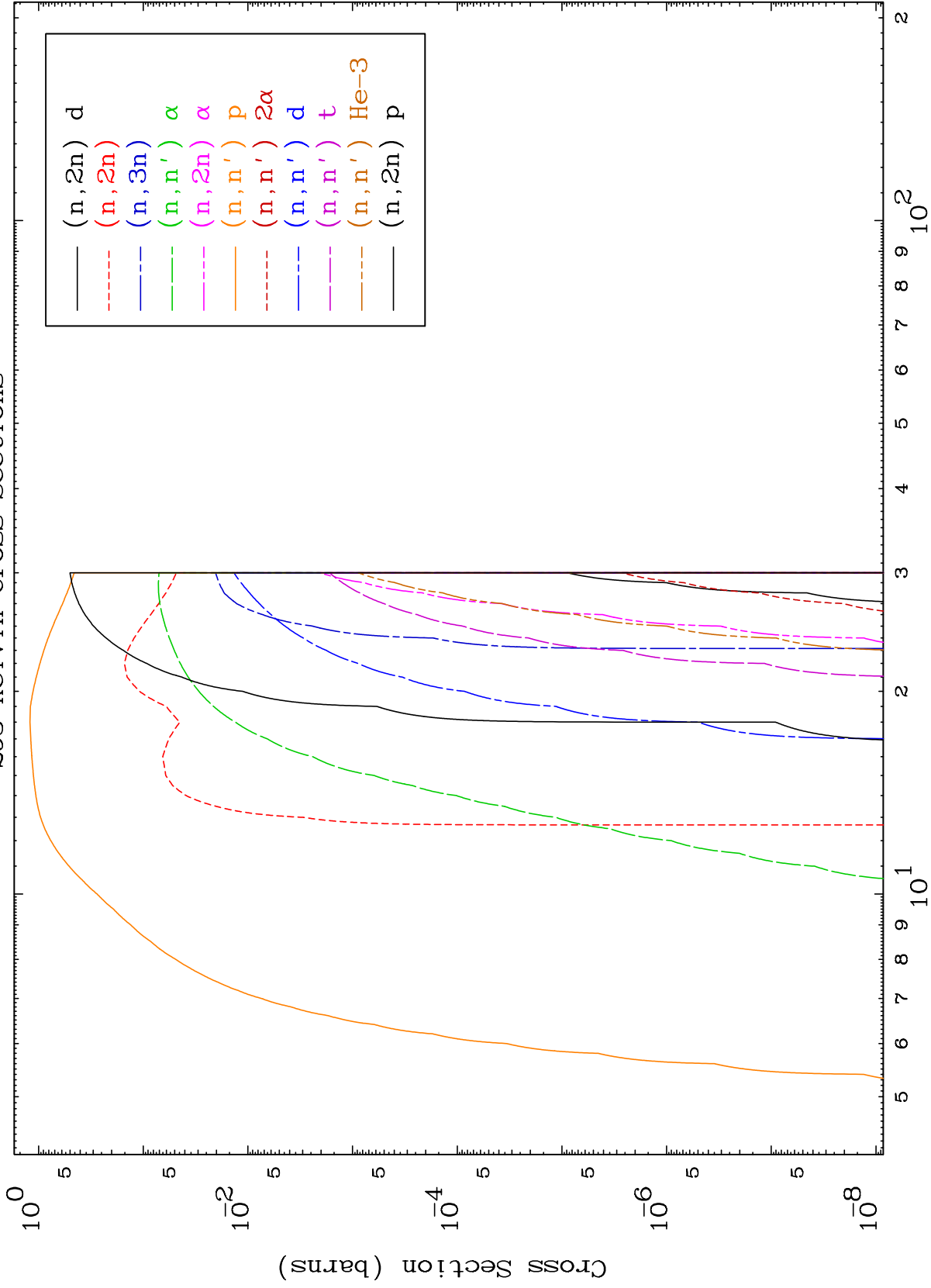
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MAT 4113

Neutron Major  
293 Kelvin Cross Sections

41-Nb-89

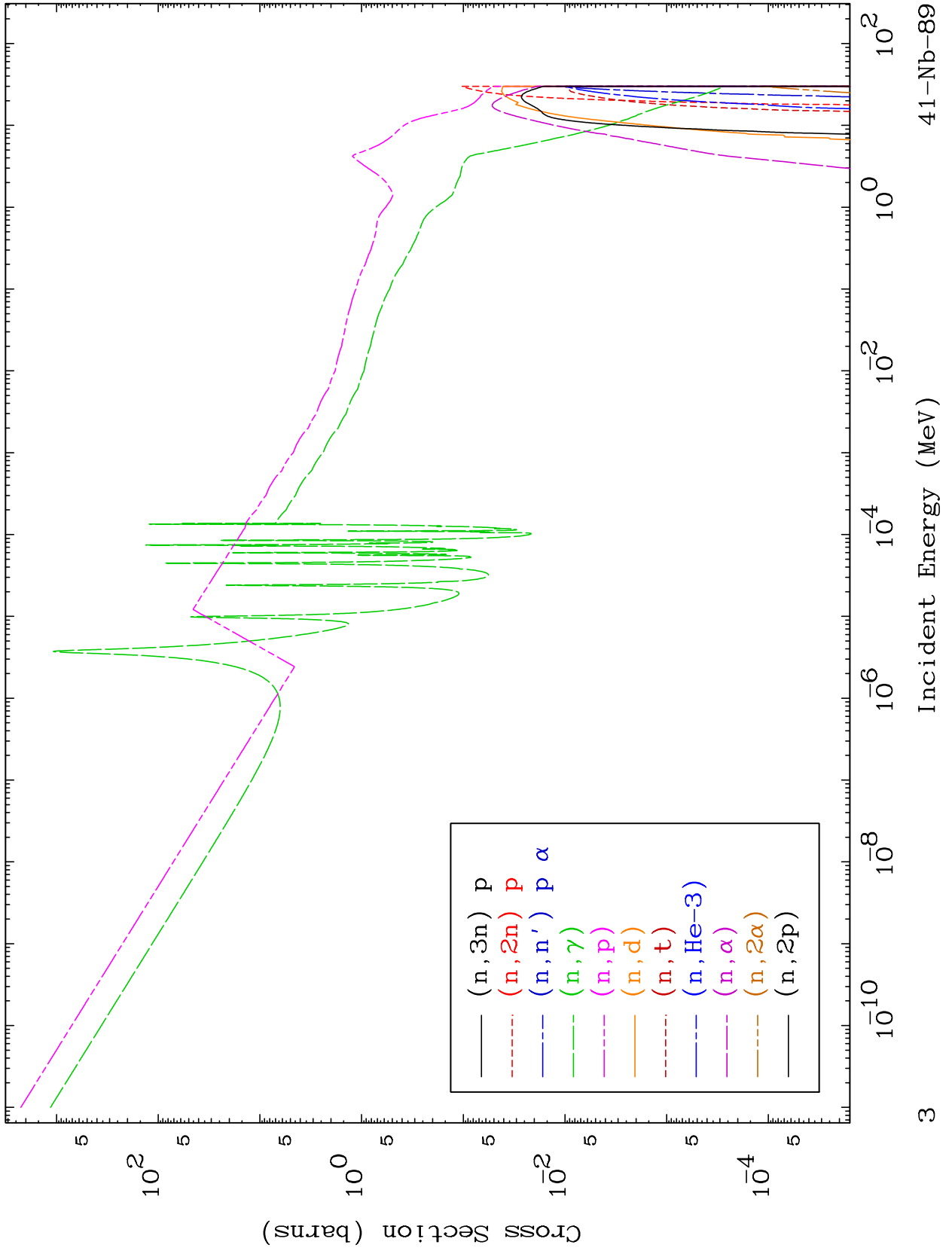




MAT 4113

Neutron Absorption  
293 Kelvin Cross Sections

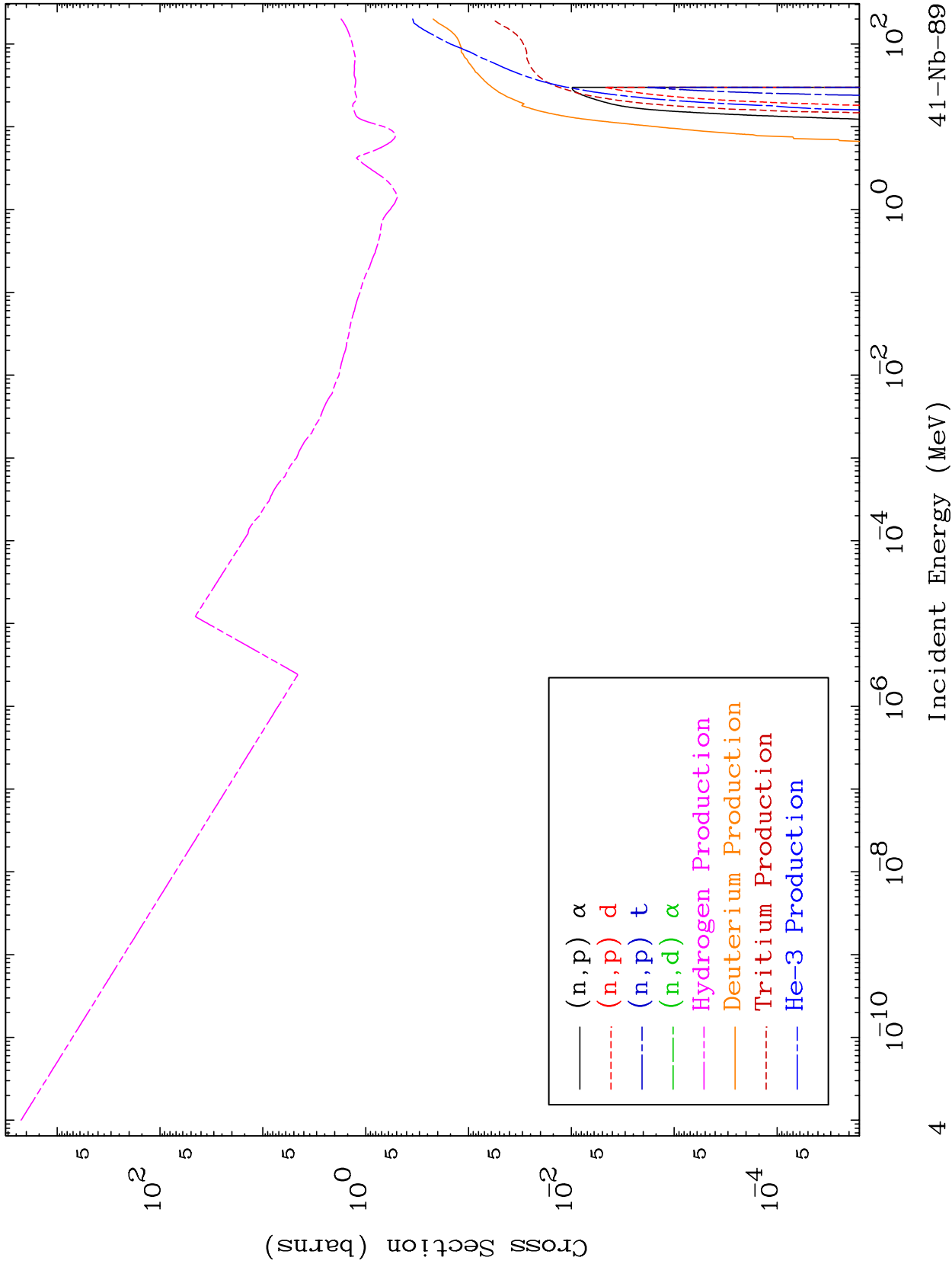
41-Nb-89



MAT 4113

Neutron Absorption  
293 Kelvin Cross Sections

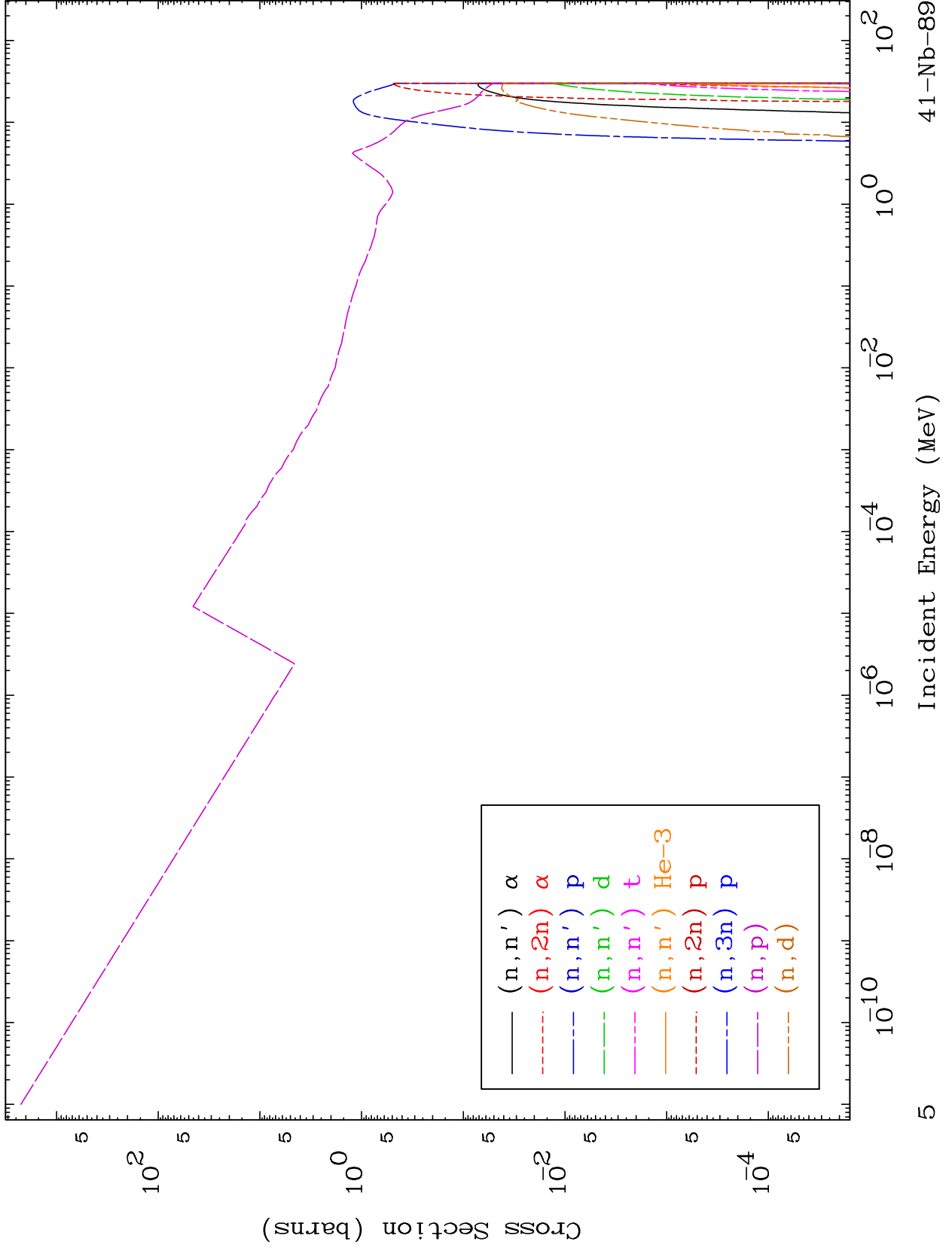
41-Nb-89



MAT 4113

Charged Particle  
293 Kelvin Cross Sections

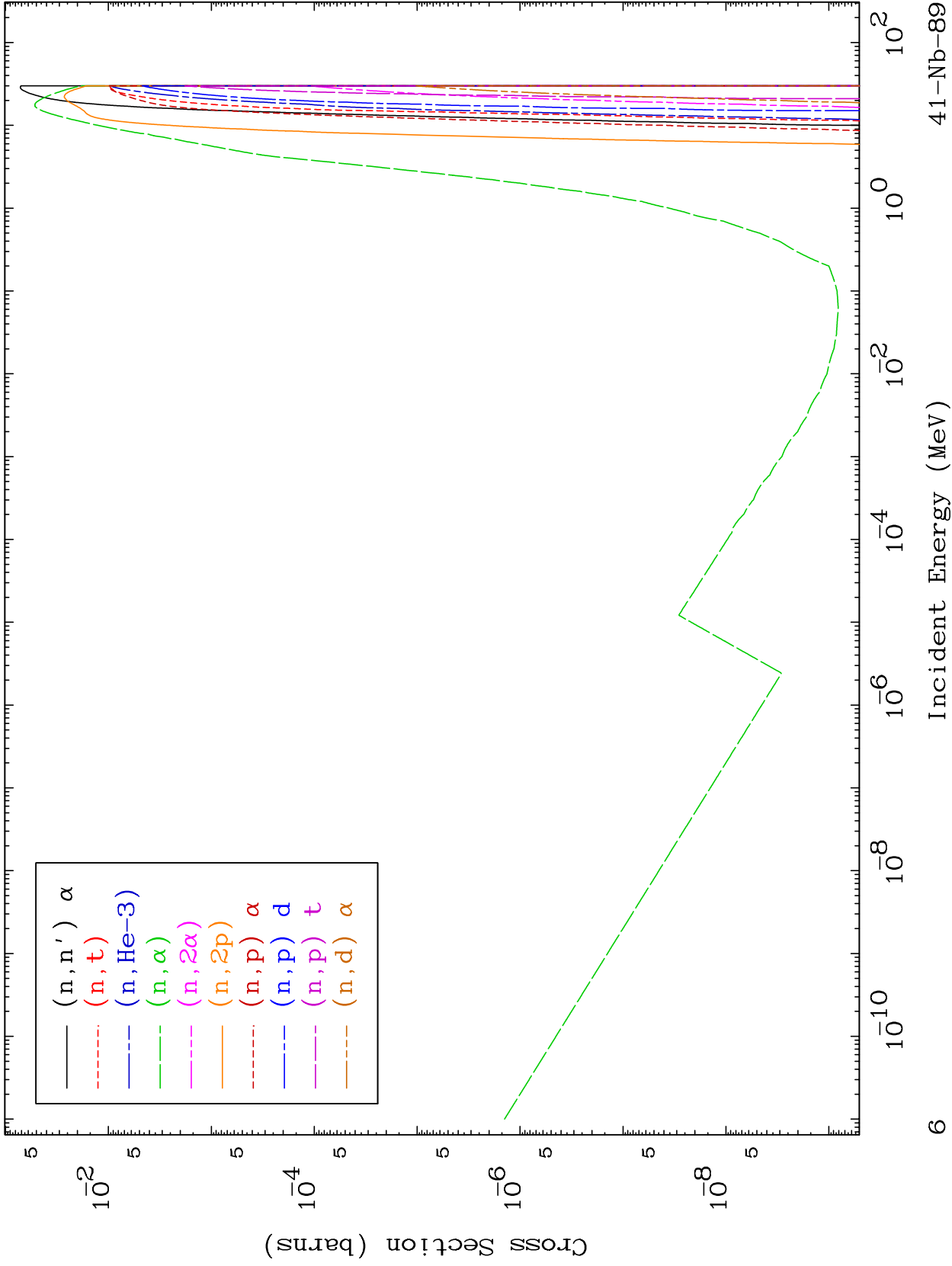
41-Nb-89



MAT 4113

Charged Particle  
293 Kelvin Cross Sections

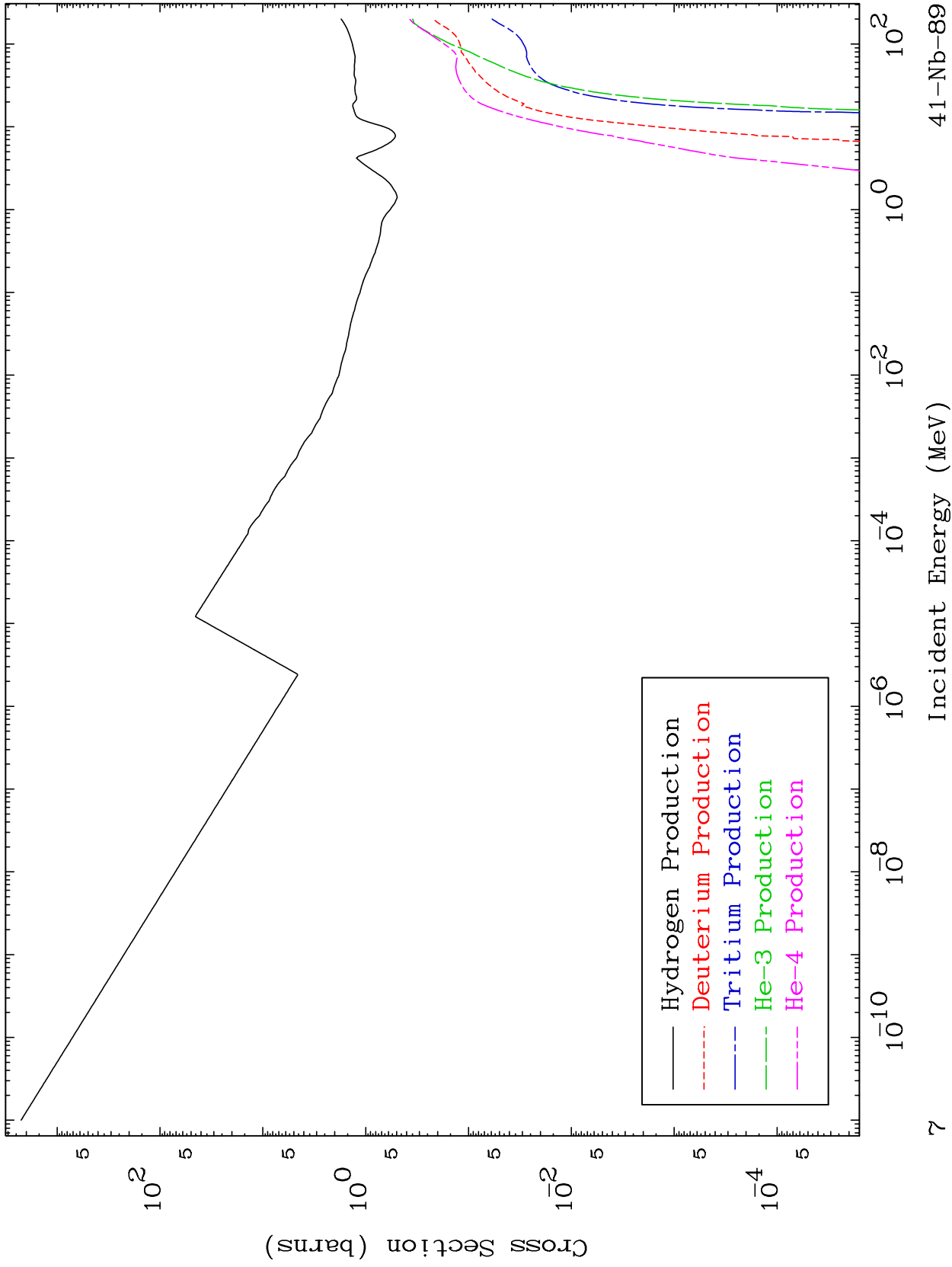
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MAT 4113

Particle Production  
293 Kelvin Cross Sections

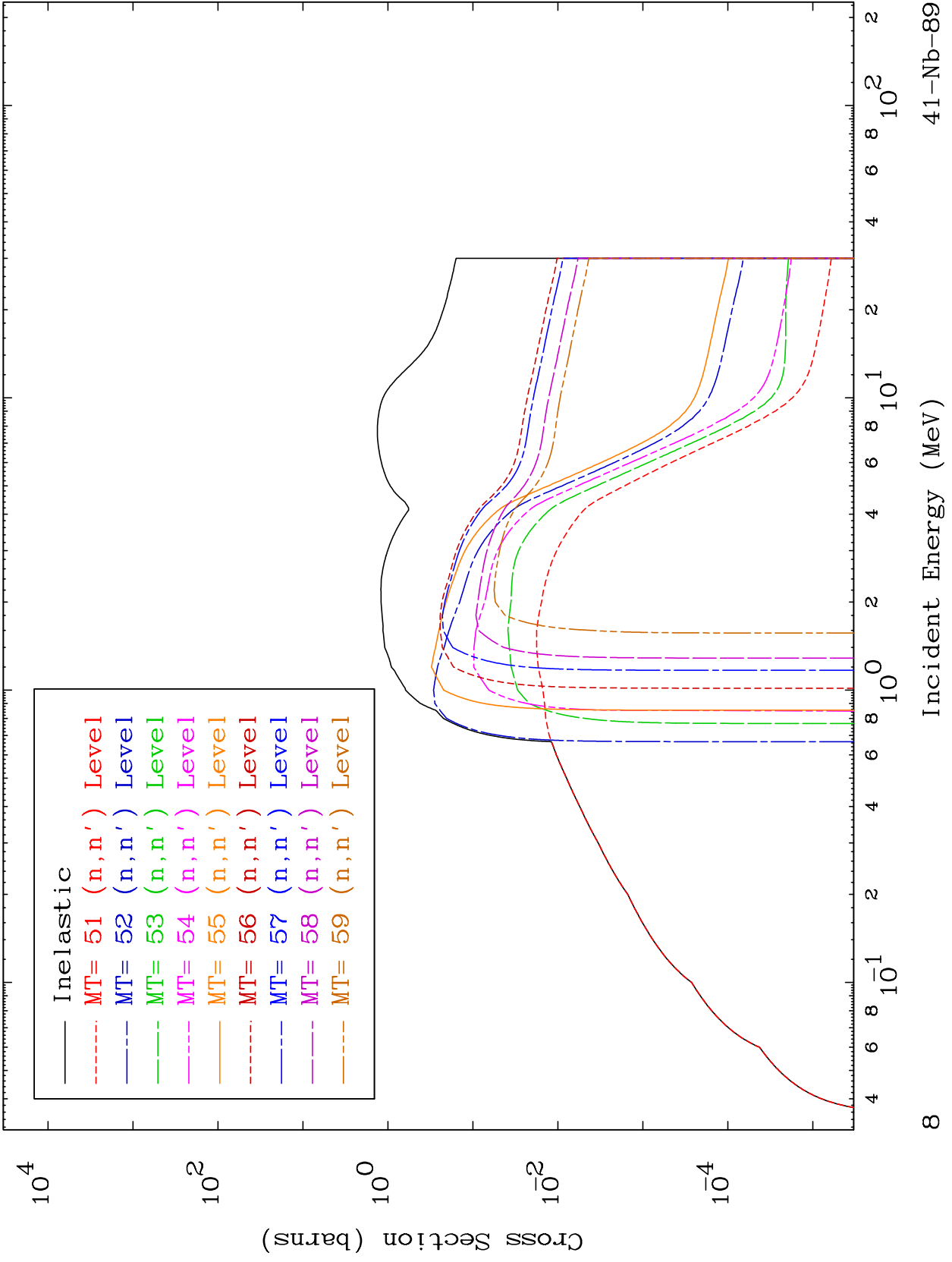
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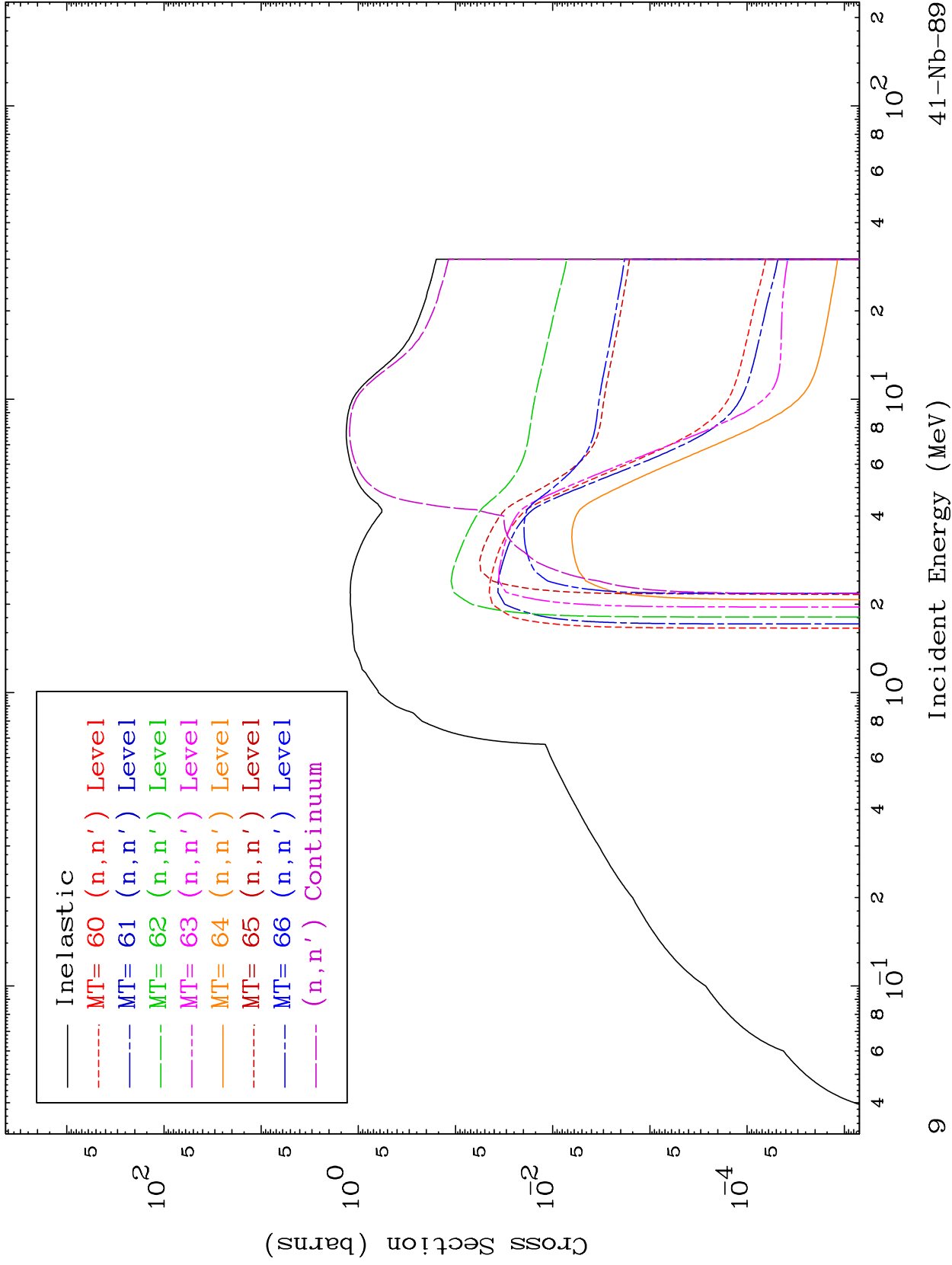


MAT 4113

(n,n') Levels  
293 Kelvin Cross Sections

41-Nb-89

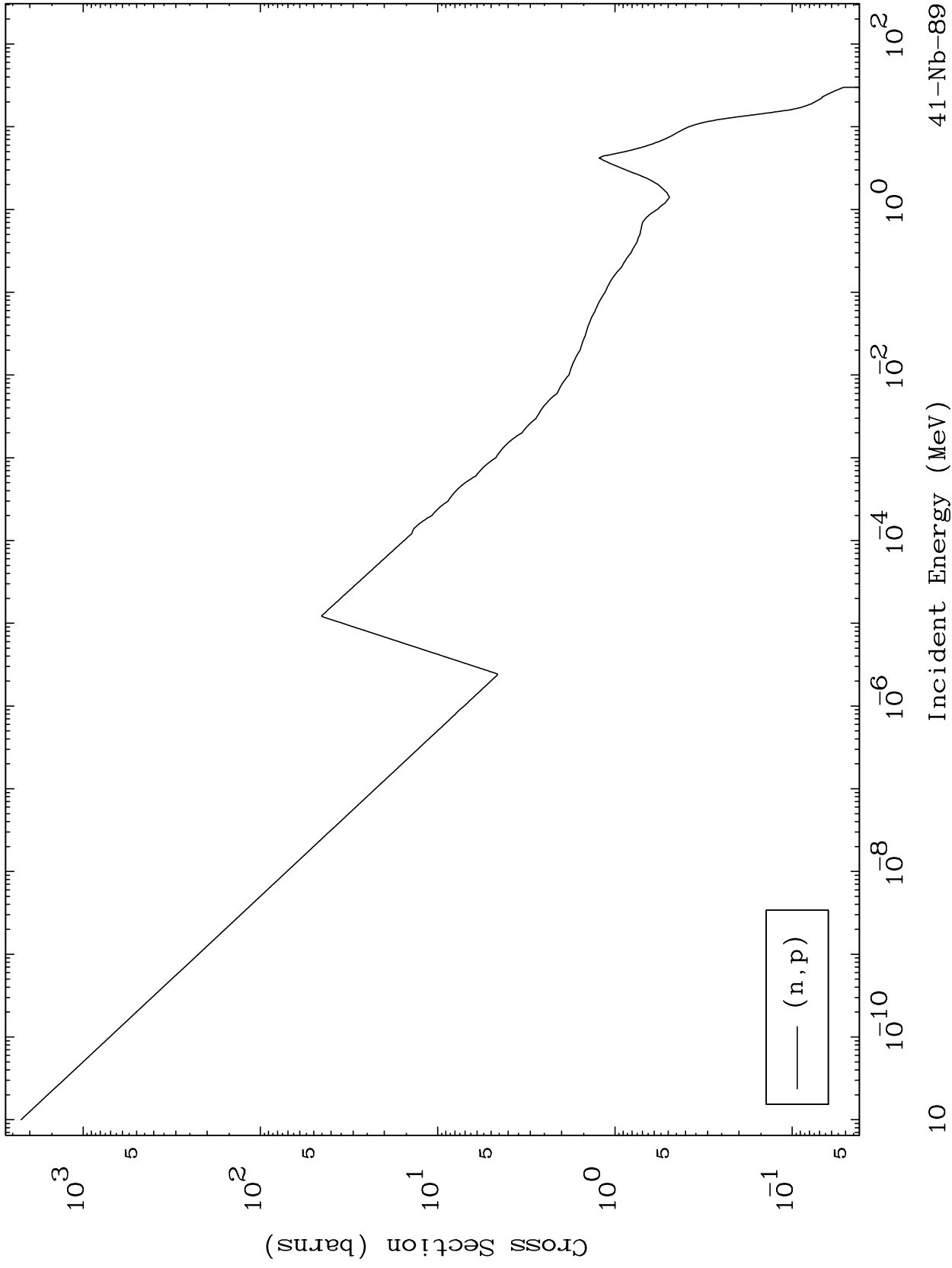




MAT 4113

(n,p) Levels  
293 Kelvin Cross Sections

41-Nb-89



10

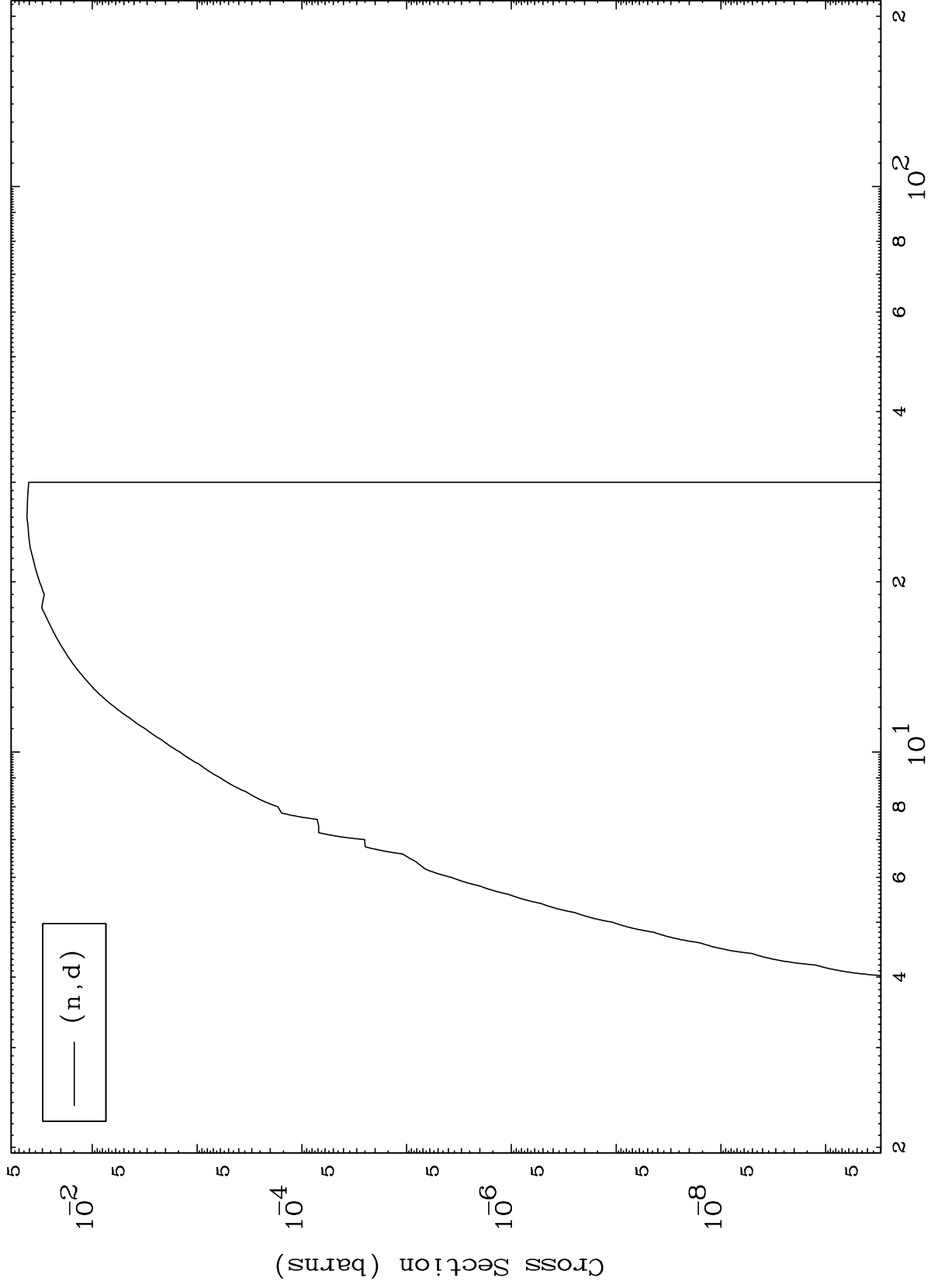
Incident Energy (MeV)

41-Nb-89

MAT 4113

(n,d) Levels  
293 Kelvin Cross Sections

41-Nb-89



11

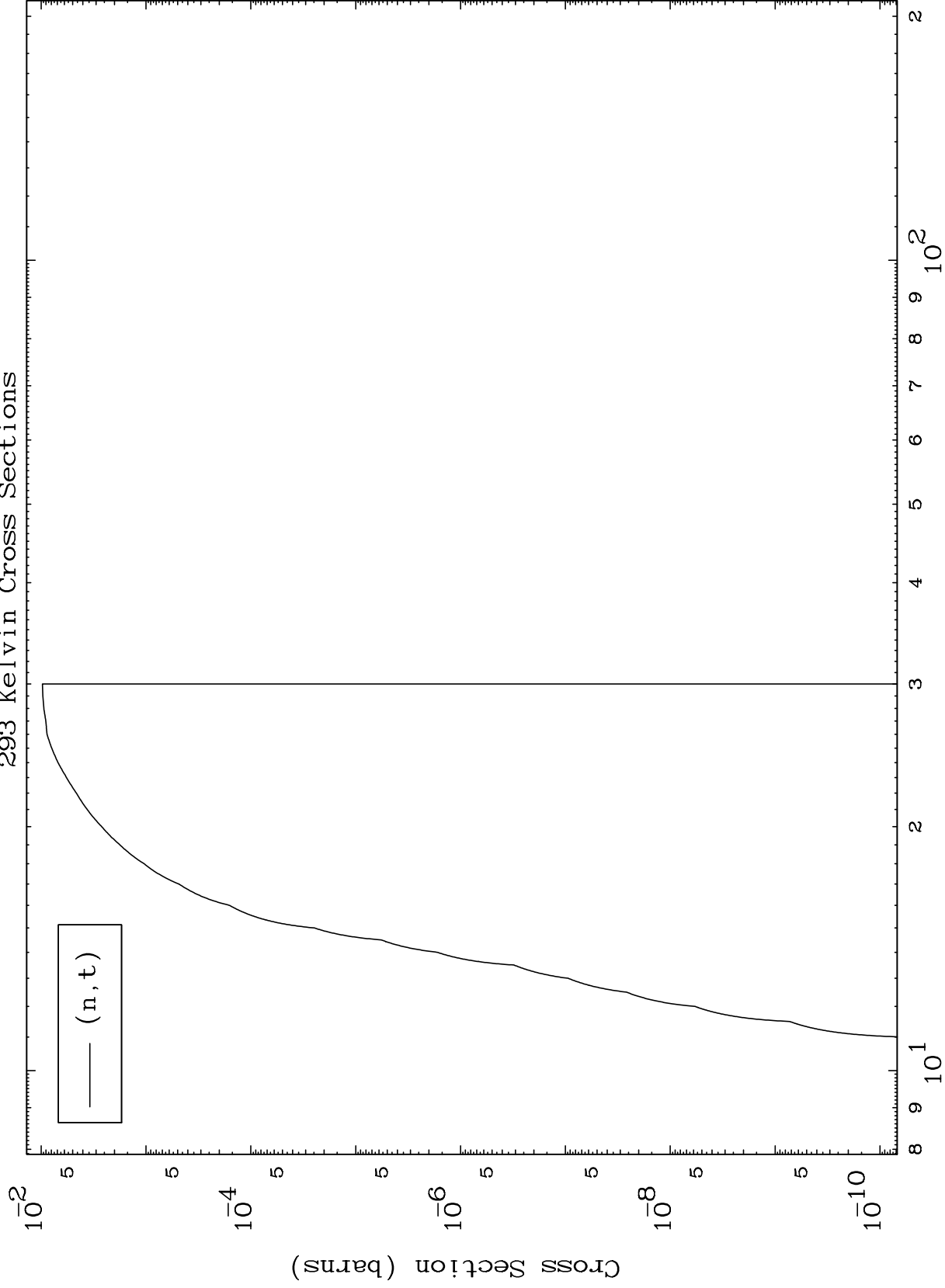
Incident Energy (MeV)

41-Nb-89

MAT 4113

(n,t) Levels  
293 Kelvin Cross Sections

41-Nb-89



12

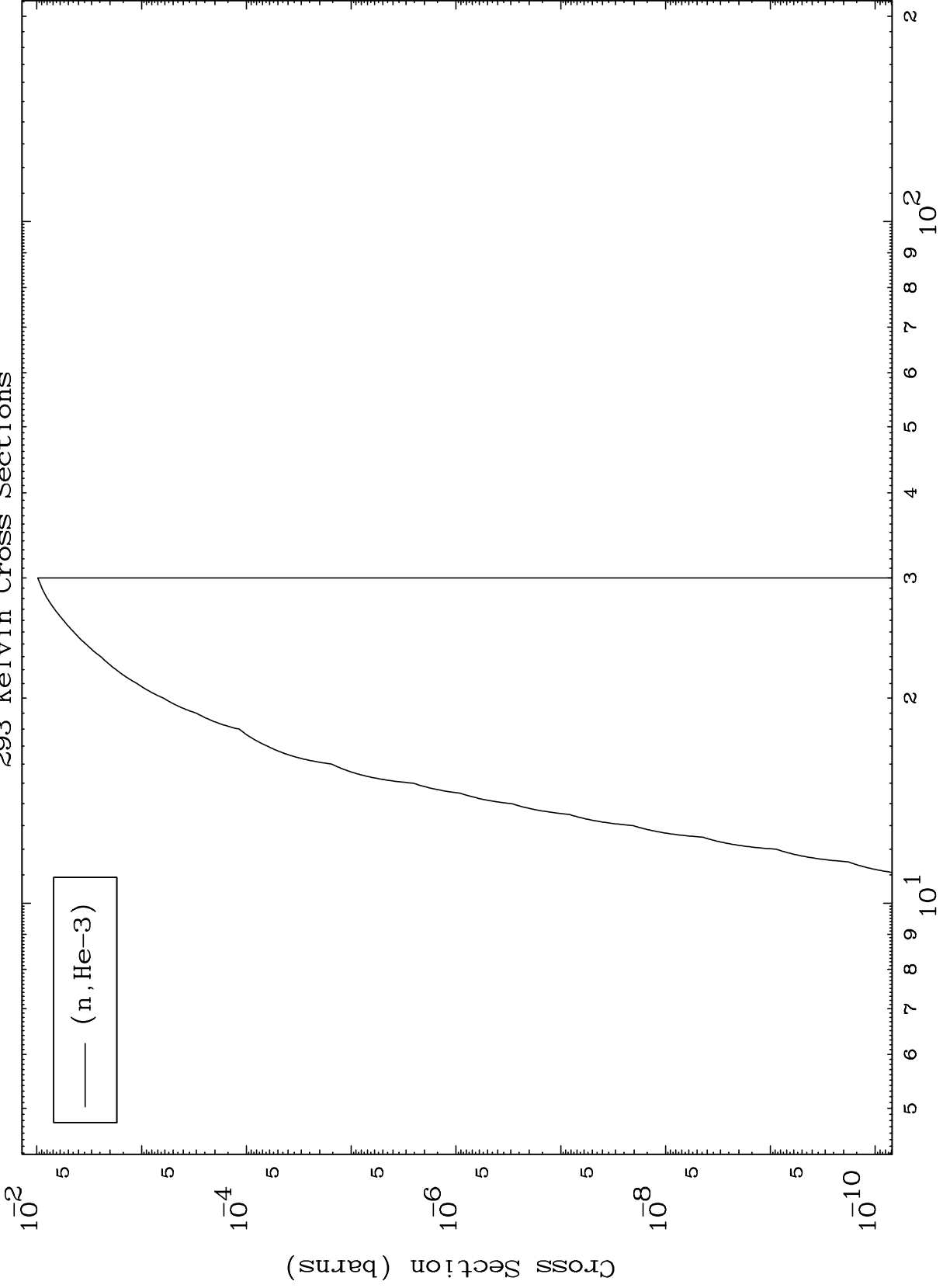
Incident Energy (MeV)

41-Nb-89

MAT 4113

(n,He3) Levels  
293 Kelvin Cross Sections

41-Nb-89



13

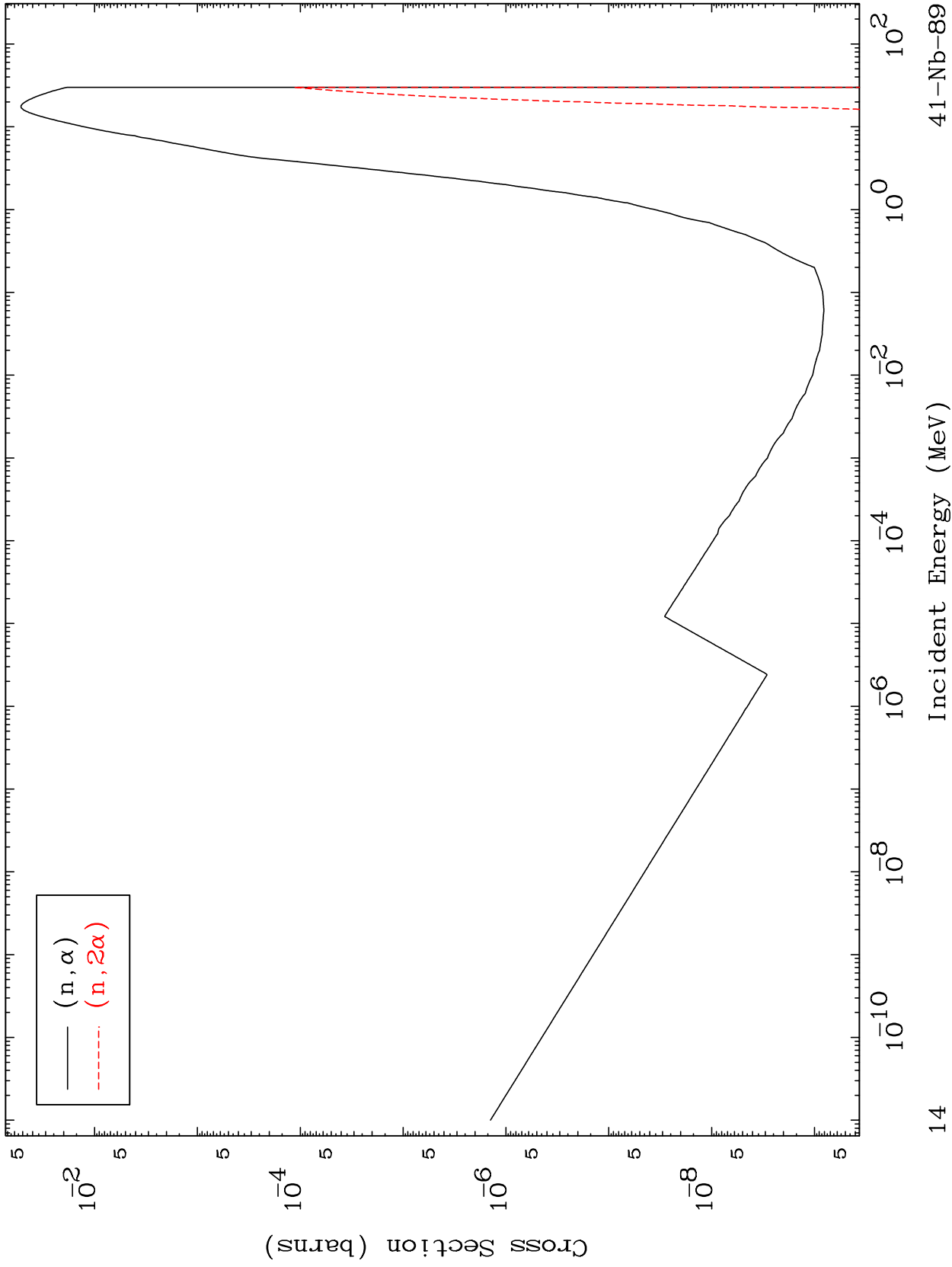
Incident Energy (MeV)

41-Nb-89

MAT 4113

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

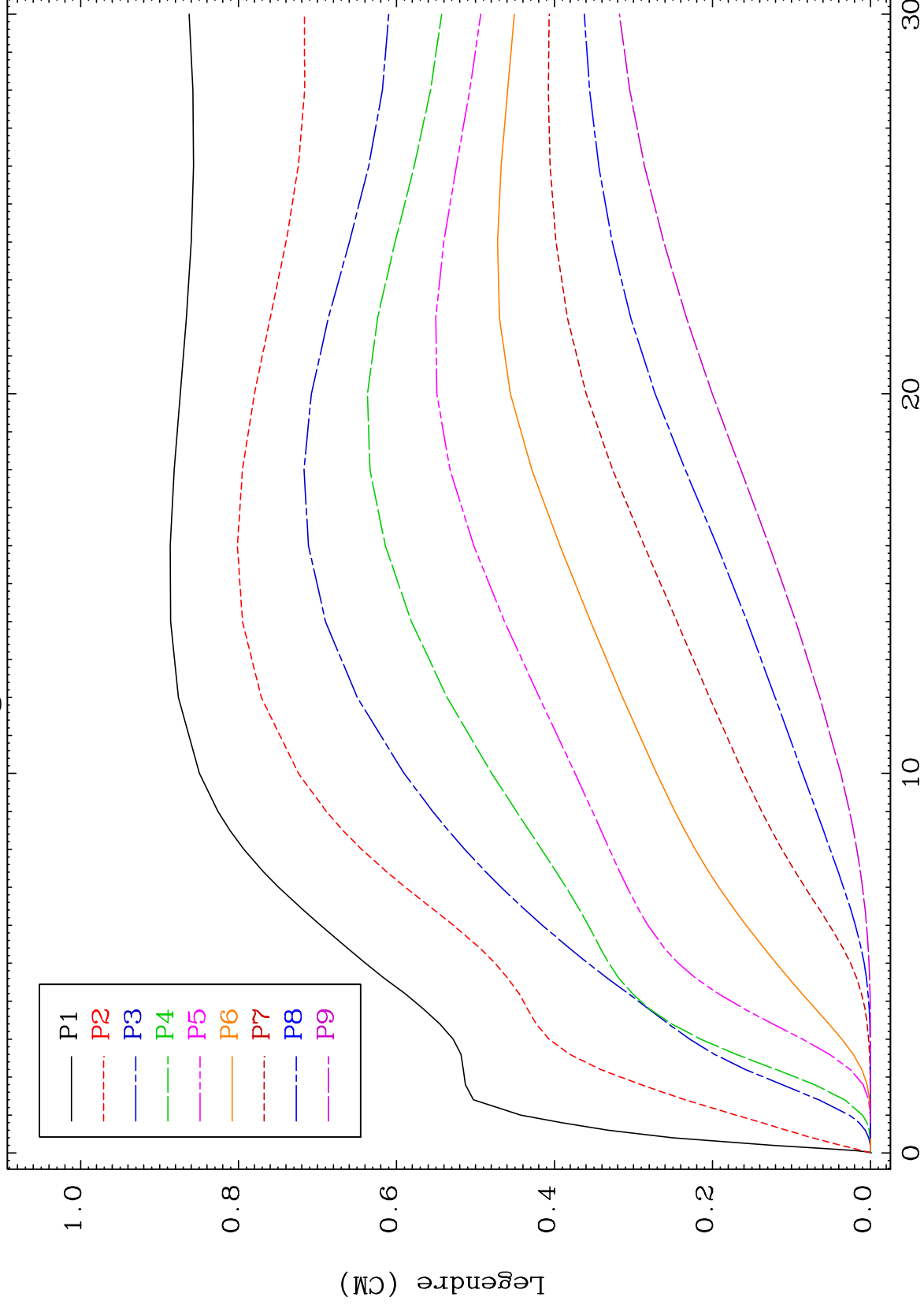
41-Nb-89



MAT 4113

Elastic Legendre Coefficients

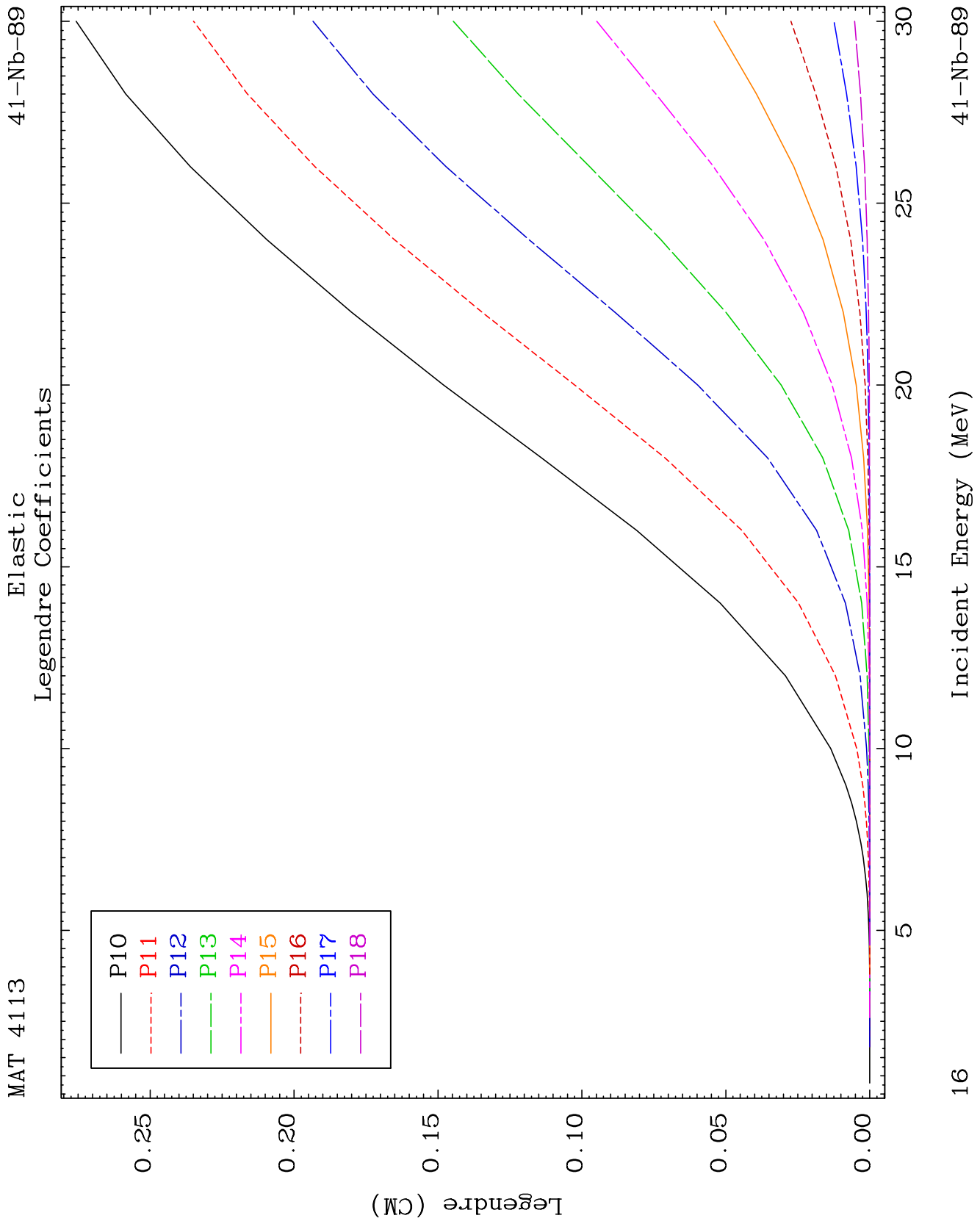
41-Nb-89



15

Incident Energy (MeV)

41-Nb-89



MAT 4113

41-Nb-89

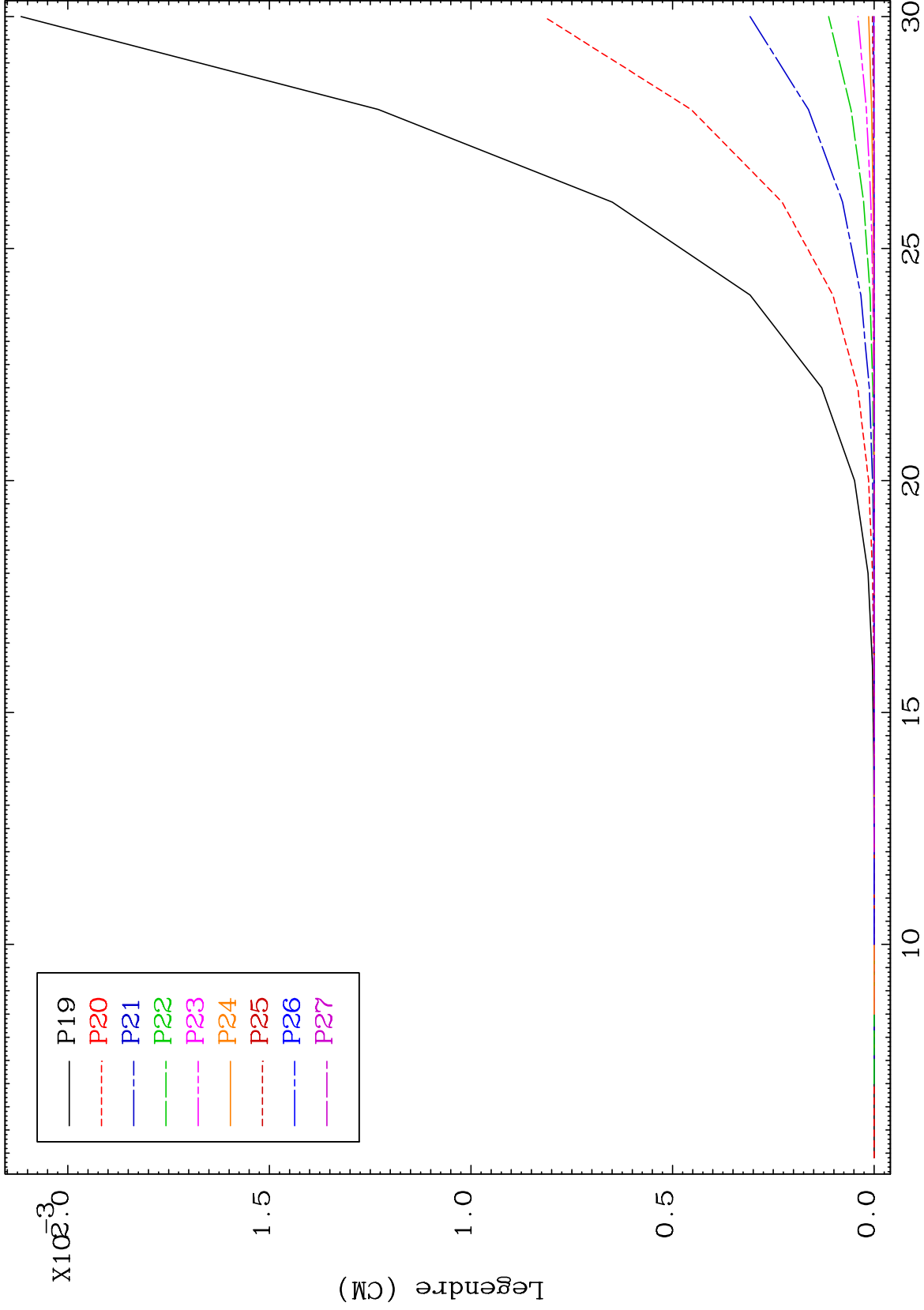
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41-Nb-89

MAT 4113

Elastic  
Legendre Coefficients

41-Nb-89



17

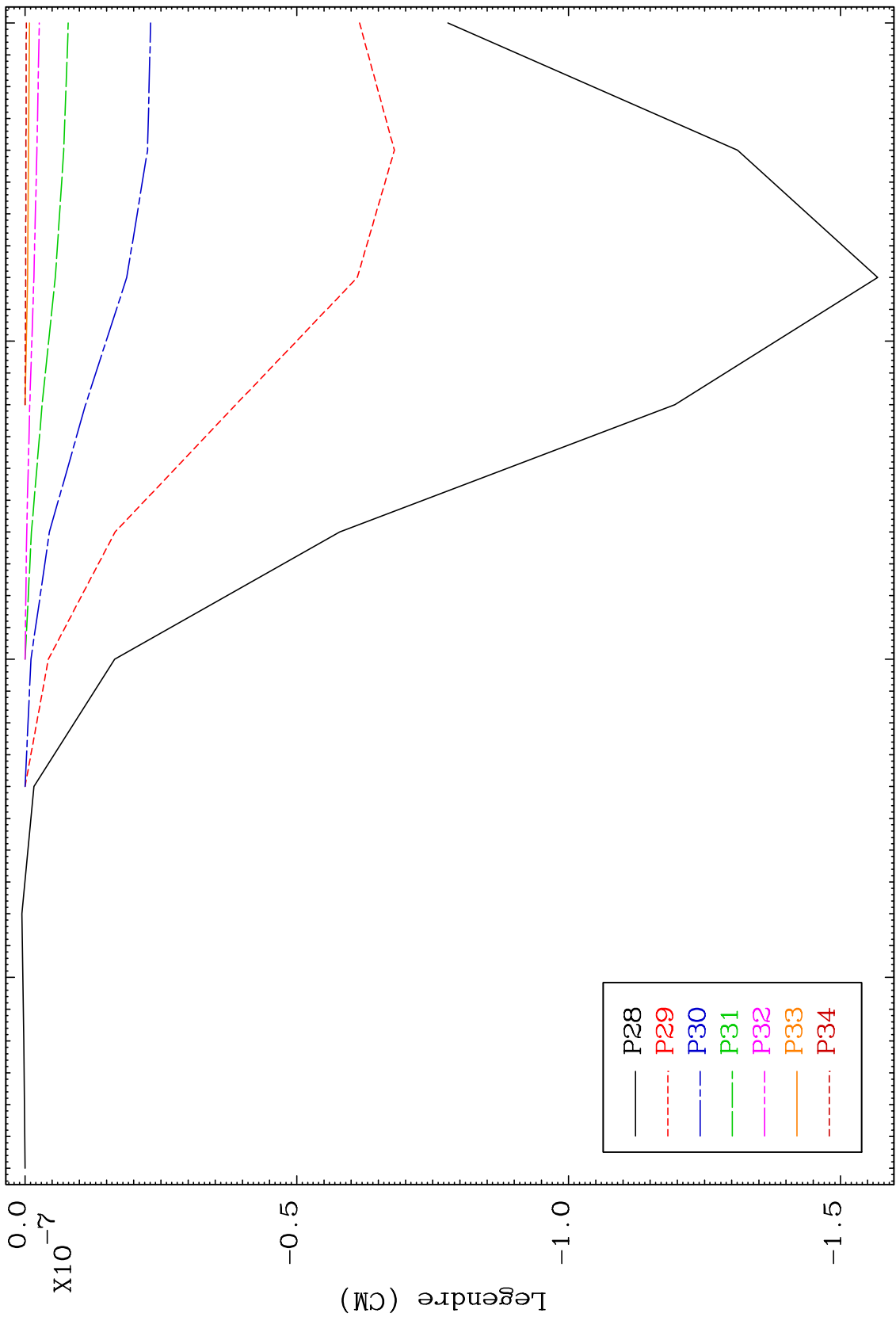
Incident Energy (MeV)

41-Nb-89

MAT 4113

41-Nb-89

Elastic Legendre Coefficients



18

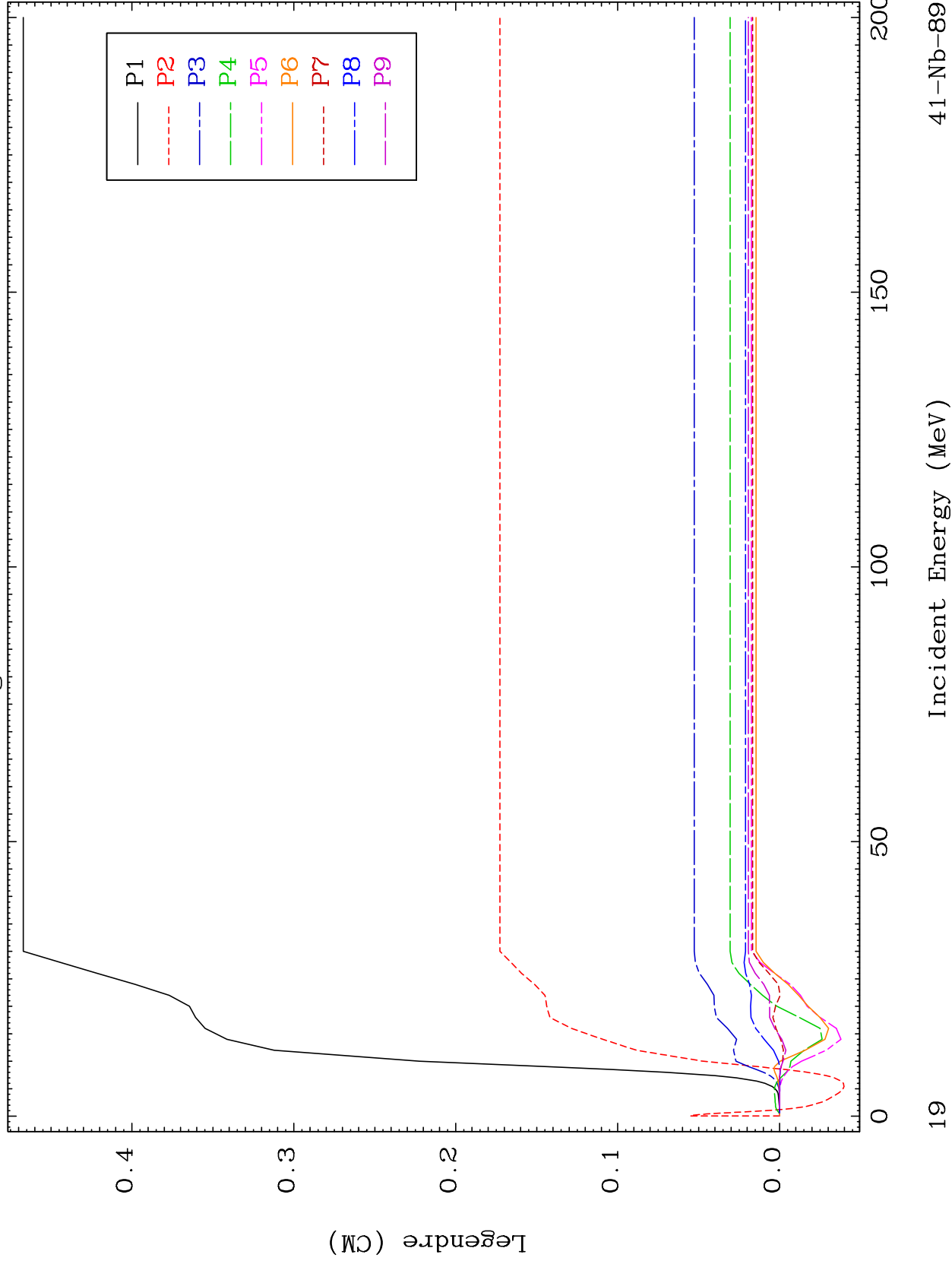
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

41-Nb-89



41-Nb-89

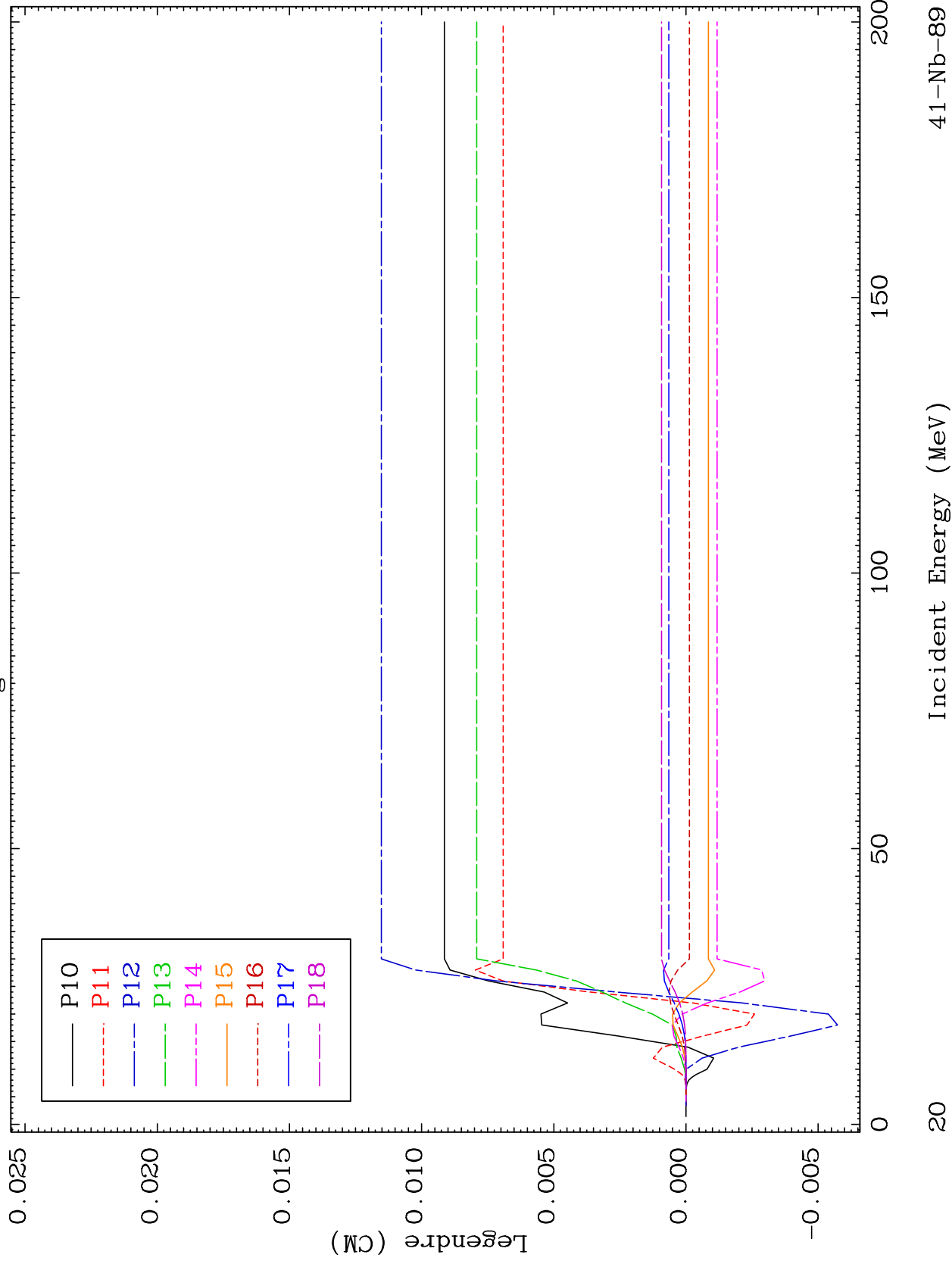
Incident Energy (MeV)

19

MAT 4113

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

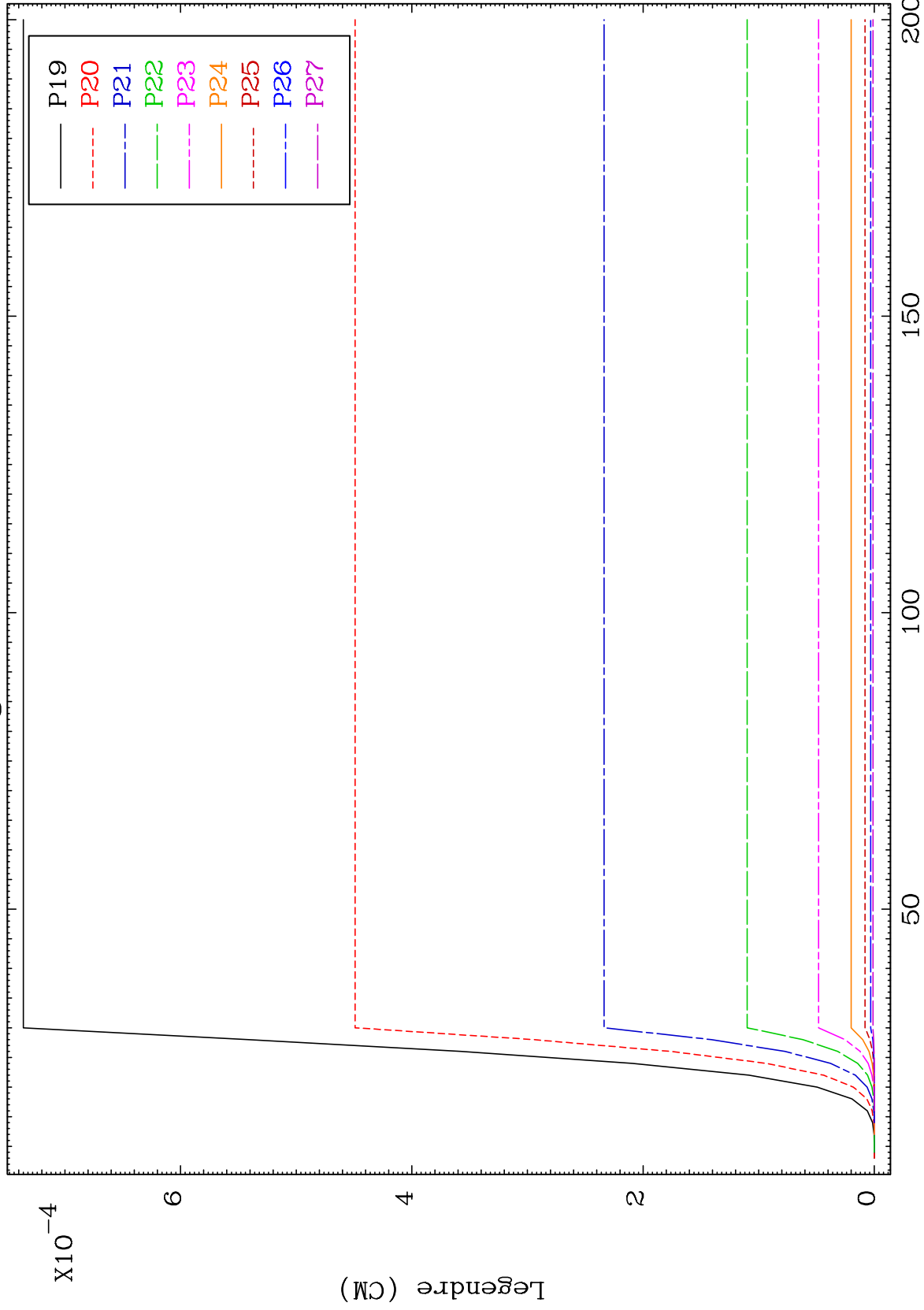
41-Nb-89



MAT 4113

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

41-Nb-89



21

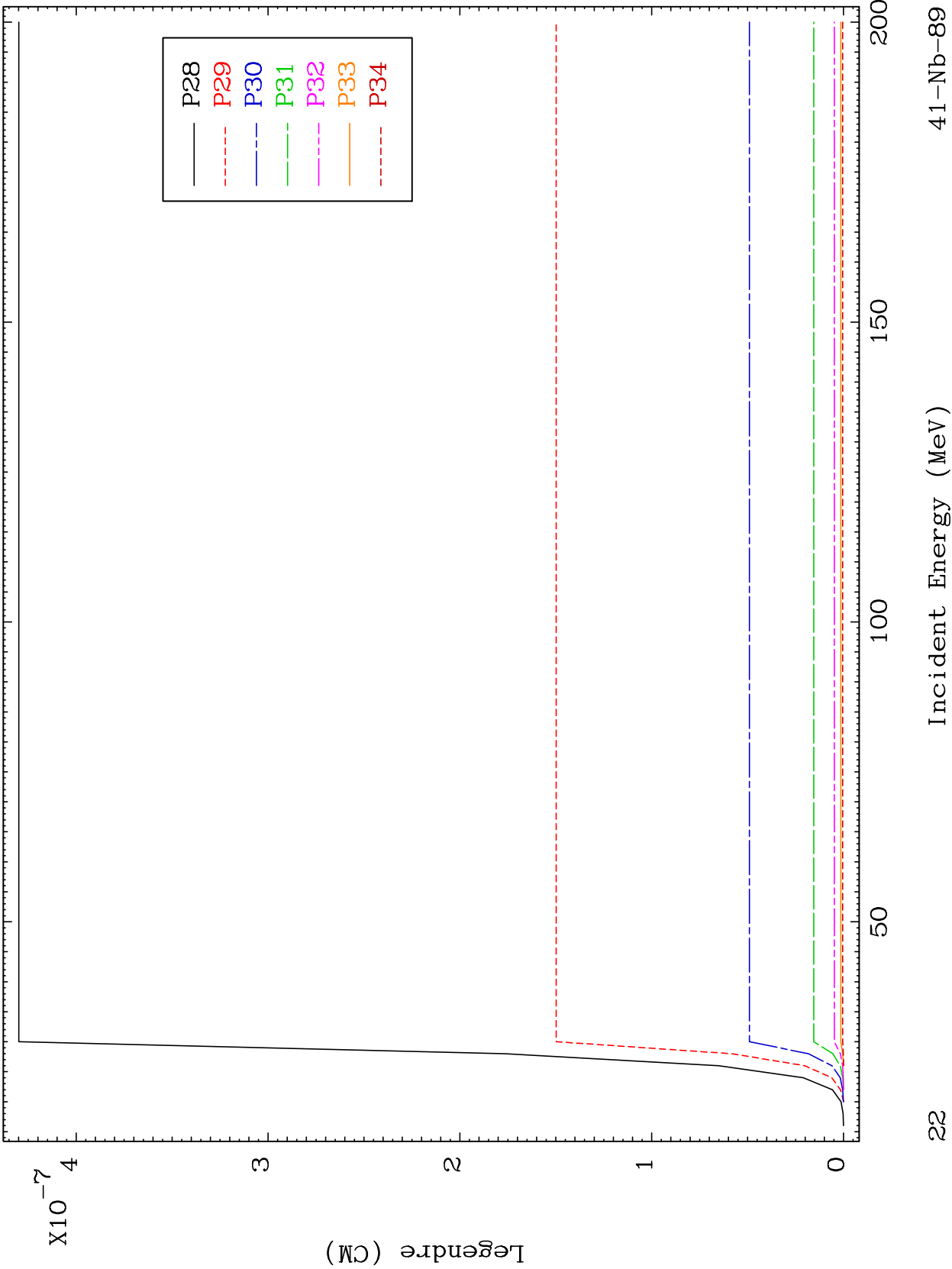
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

41-Nb-89



22

Incident Energy (MeV)

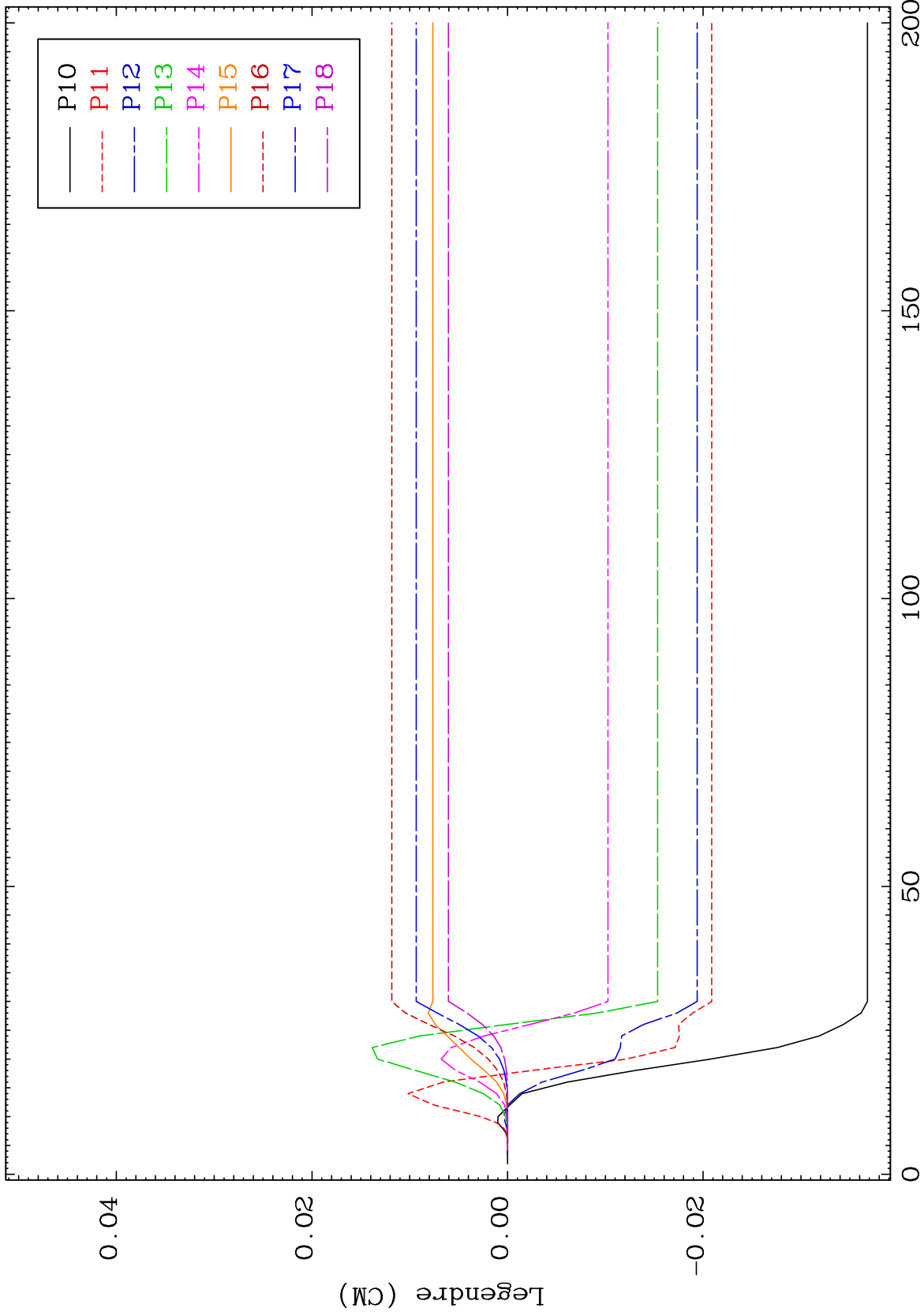
41-Nb-89



MAT 4113

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

41-Nb-89



24

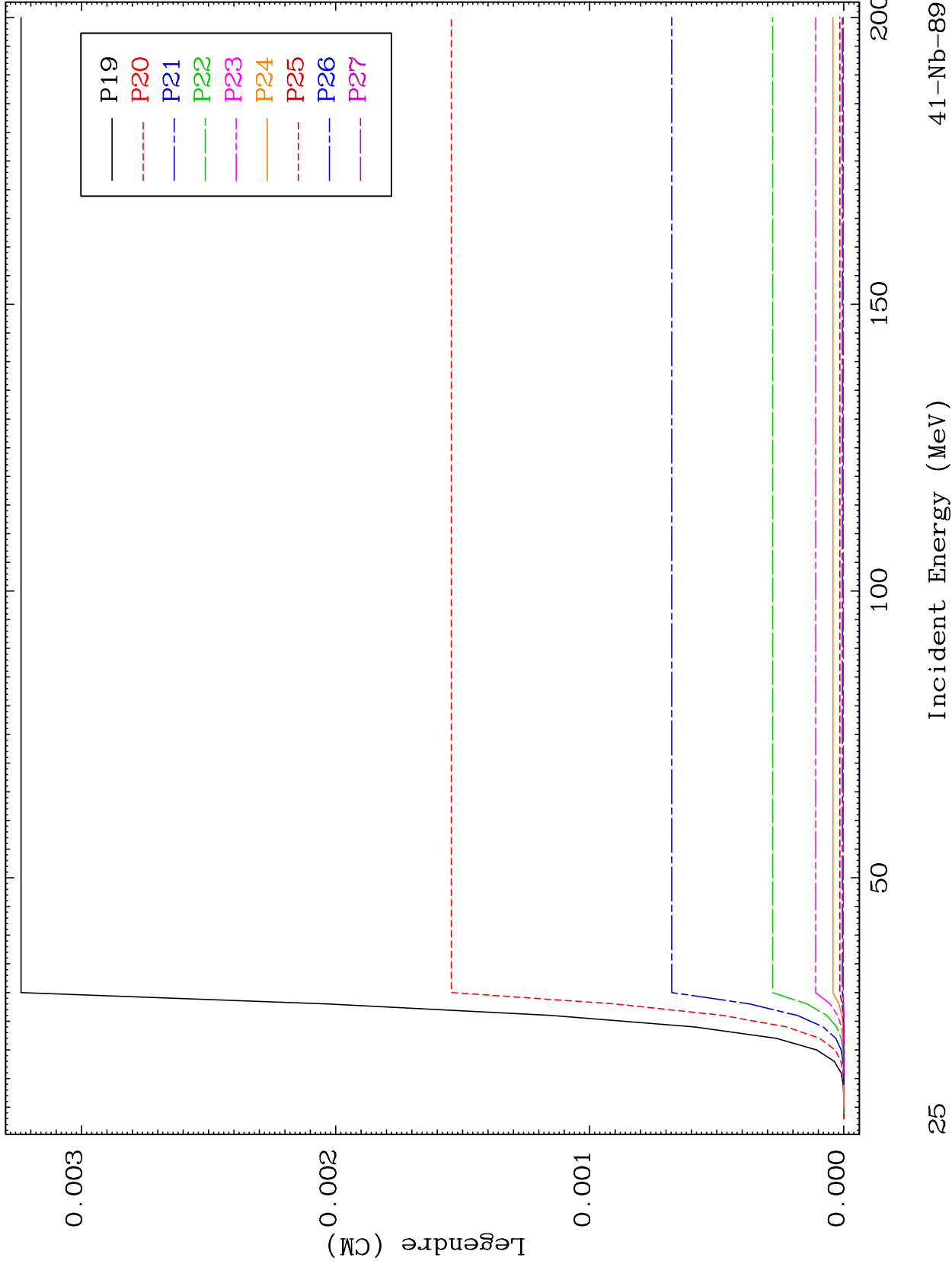
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

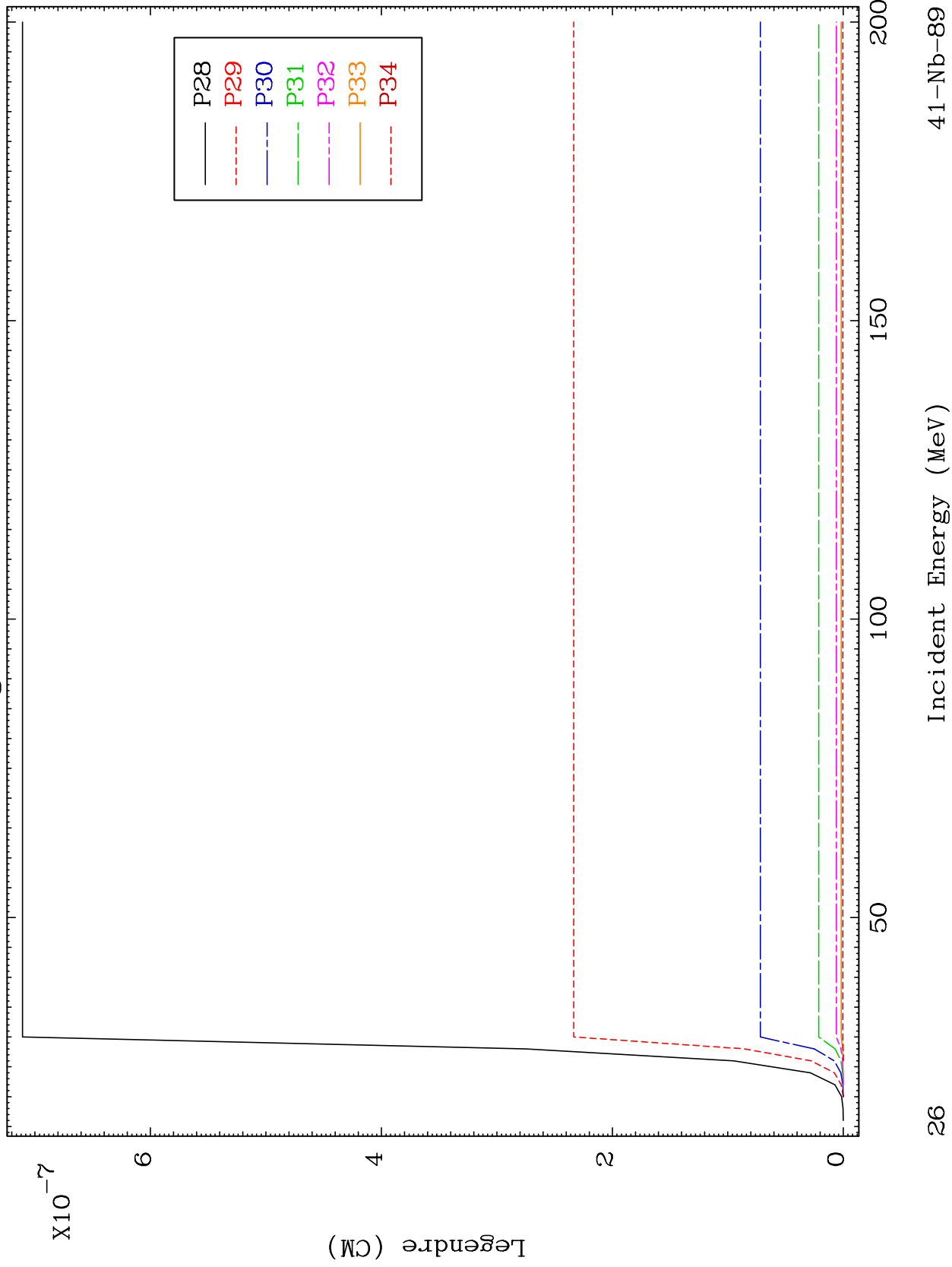
41-Nb-89



MAT 4113

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

41-Nb-89



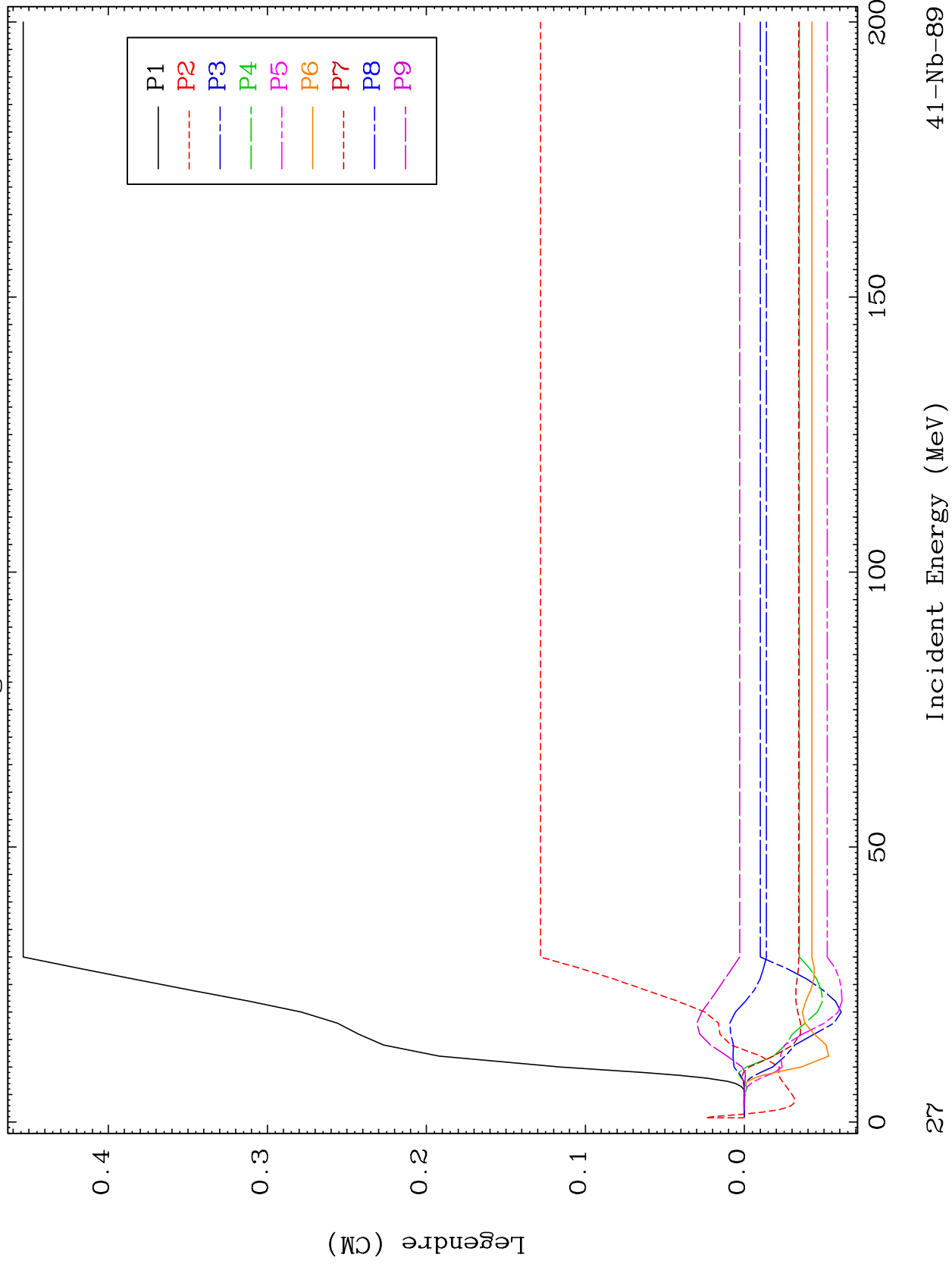
26

41-Nb-89

MAT 4113

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

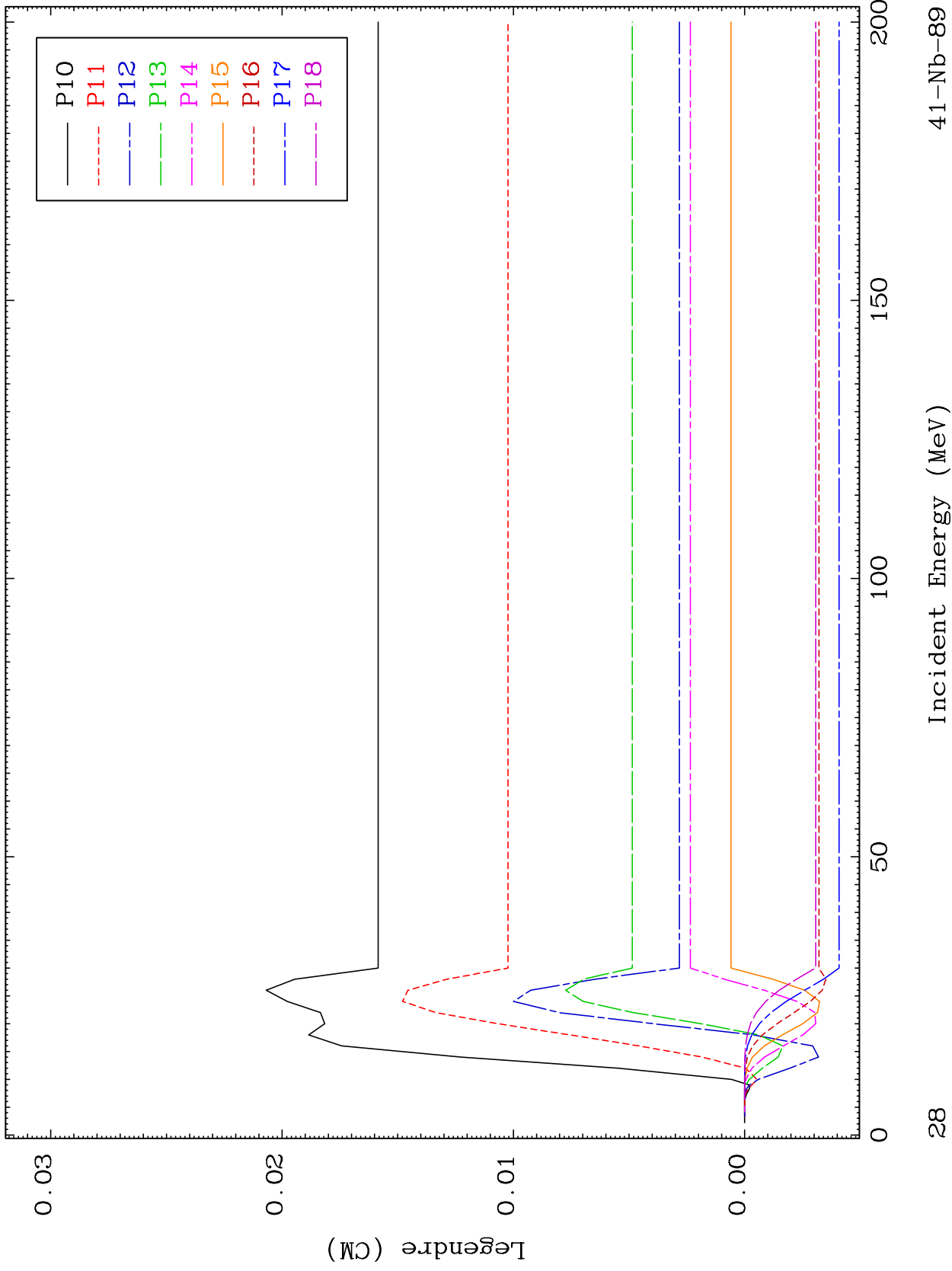
41-Nb-89



MAT 4113

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

41-Nb-89



28

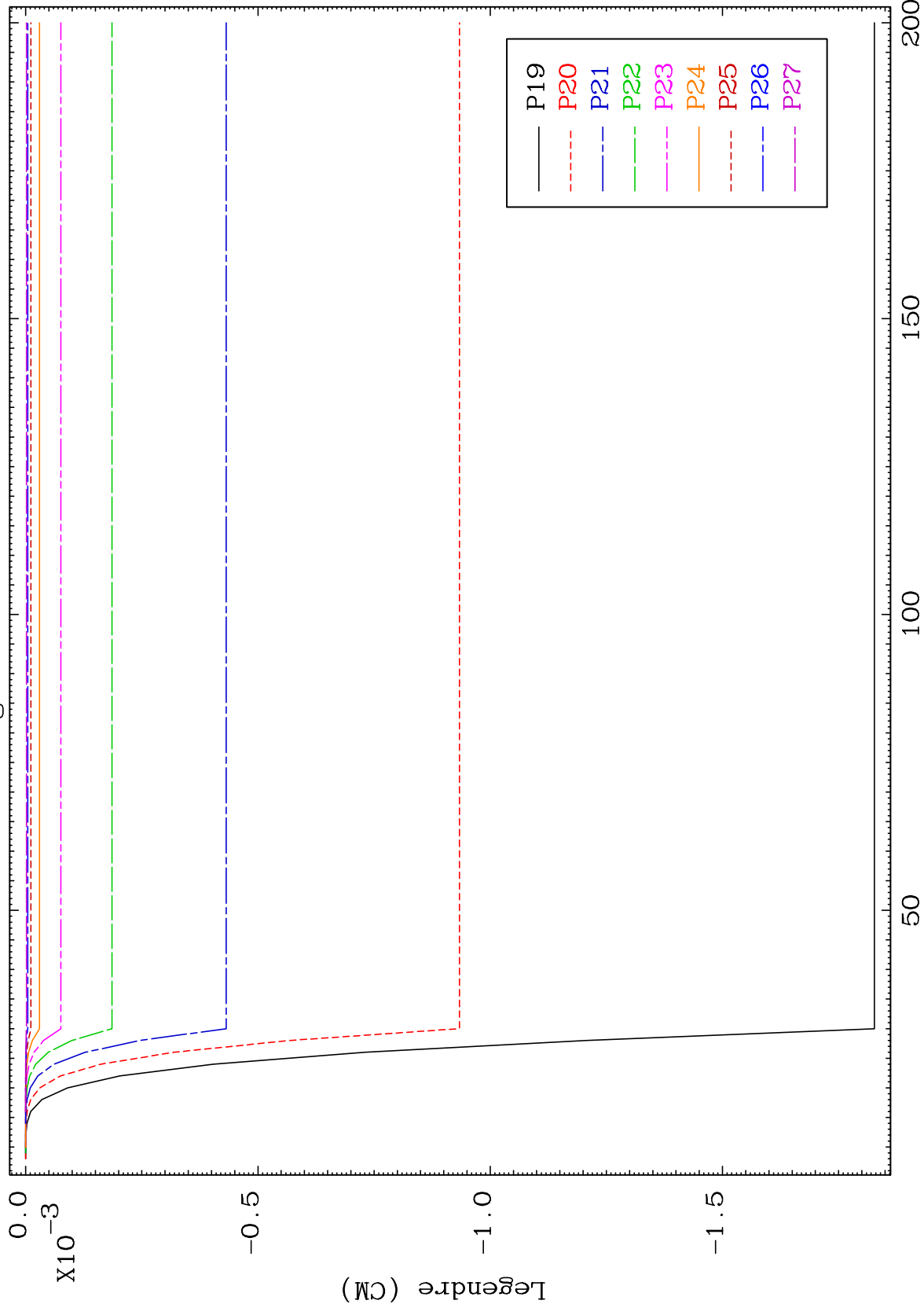
Incident Energy (MeV)

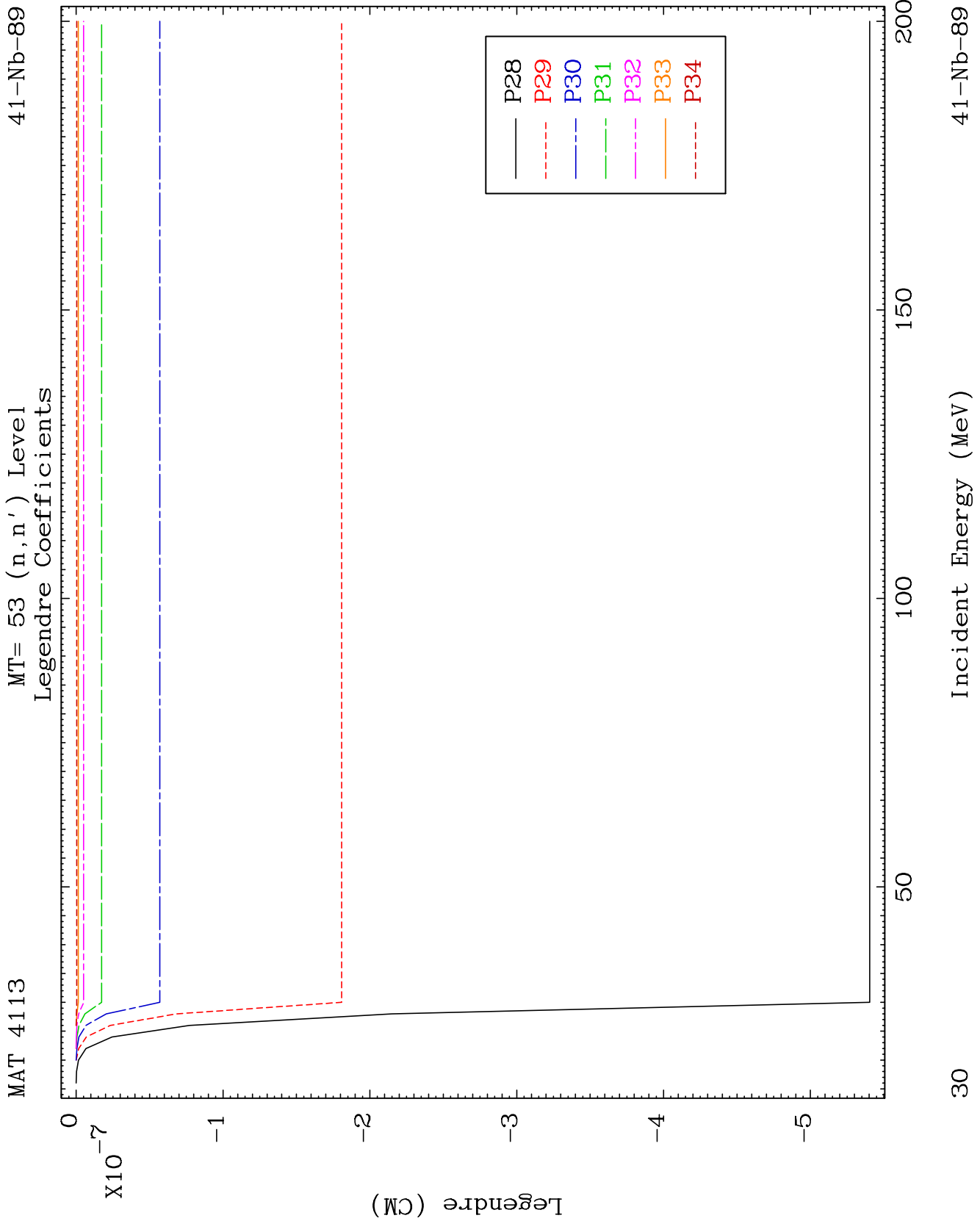
41-Nb-89

MAT 4113

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

41-Nb-89

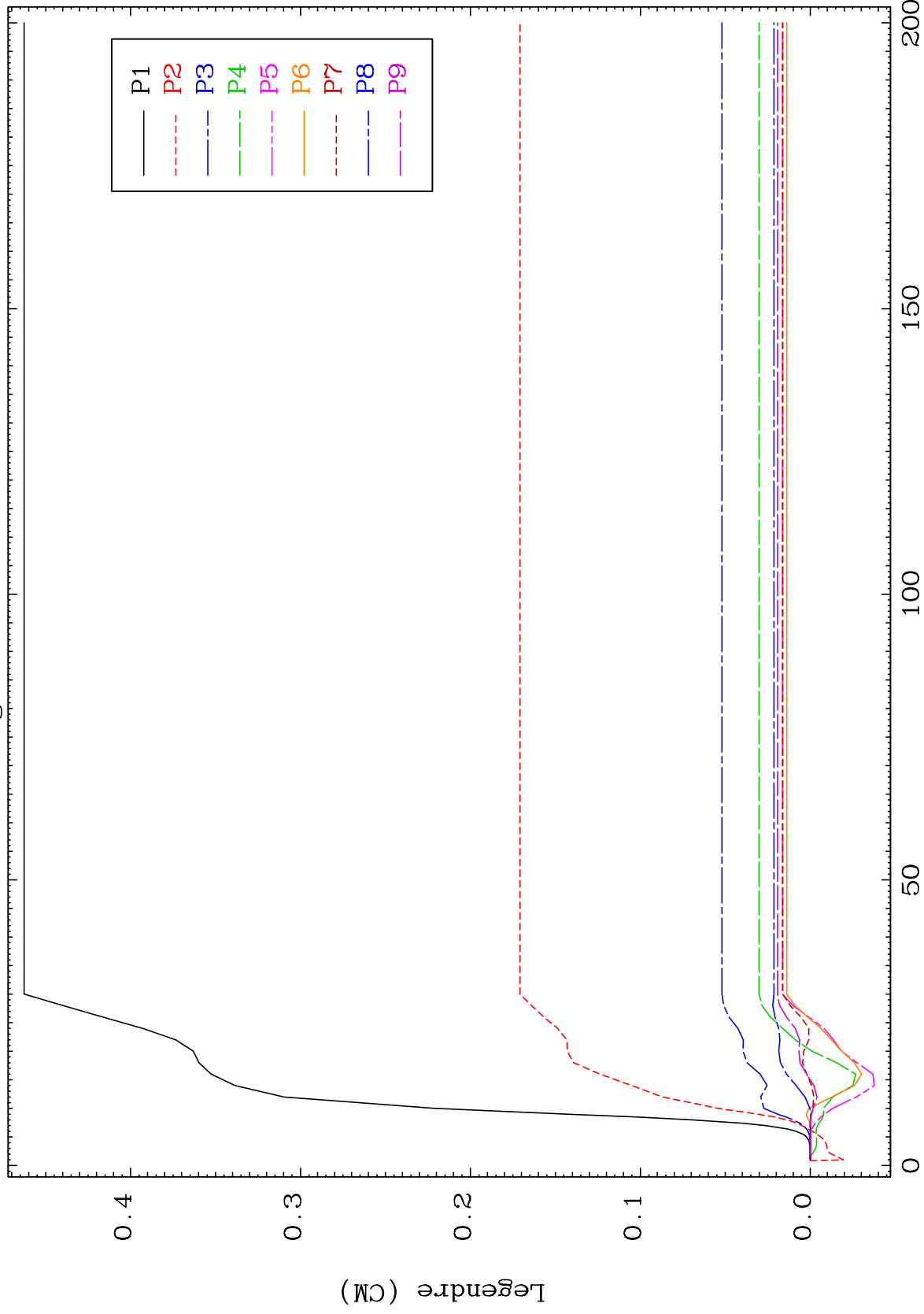




MAT 4113

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

41-Nb-89



31

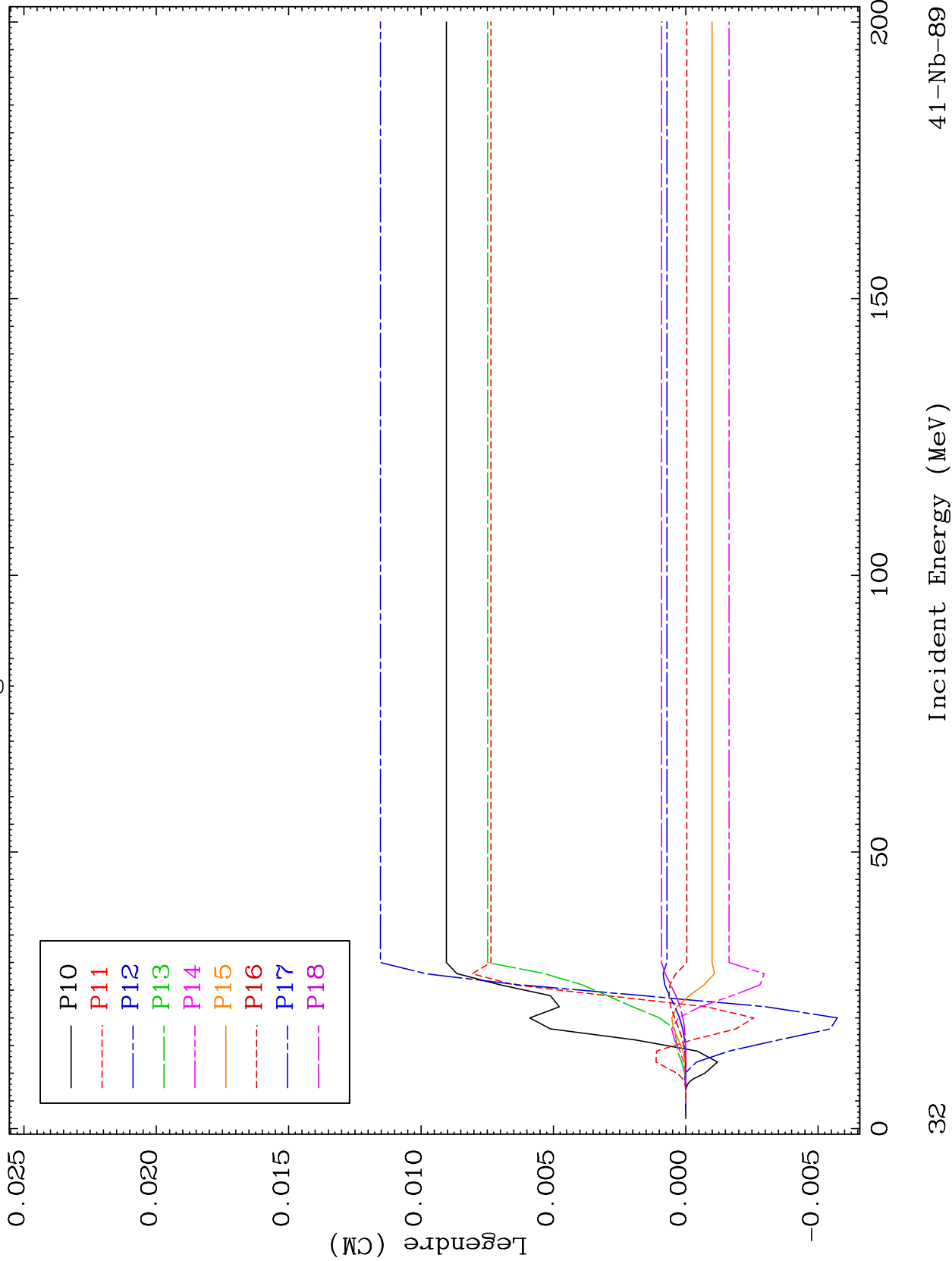
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

41-Nb-89



32

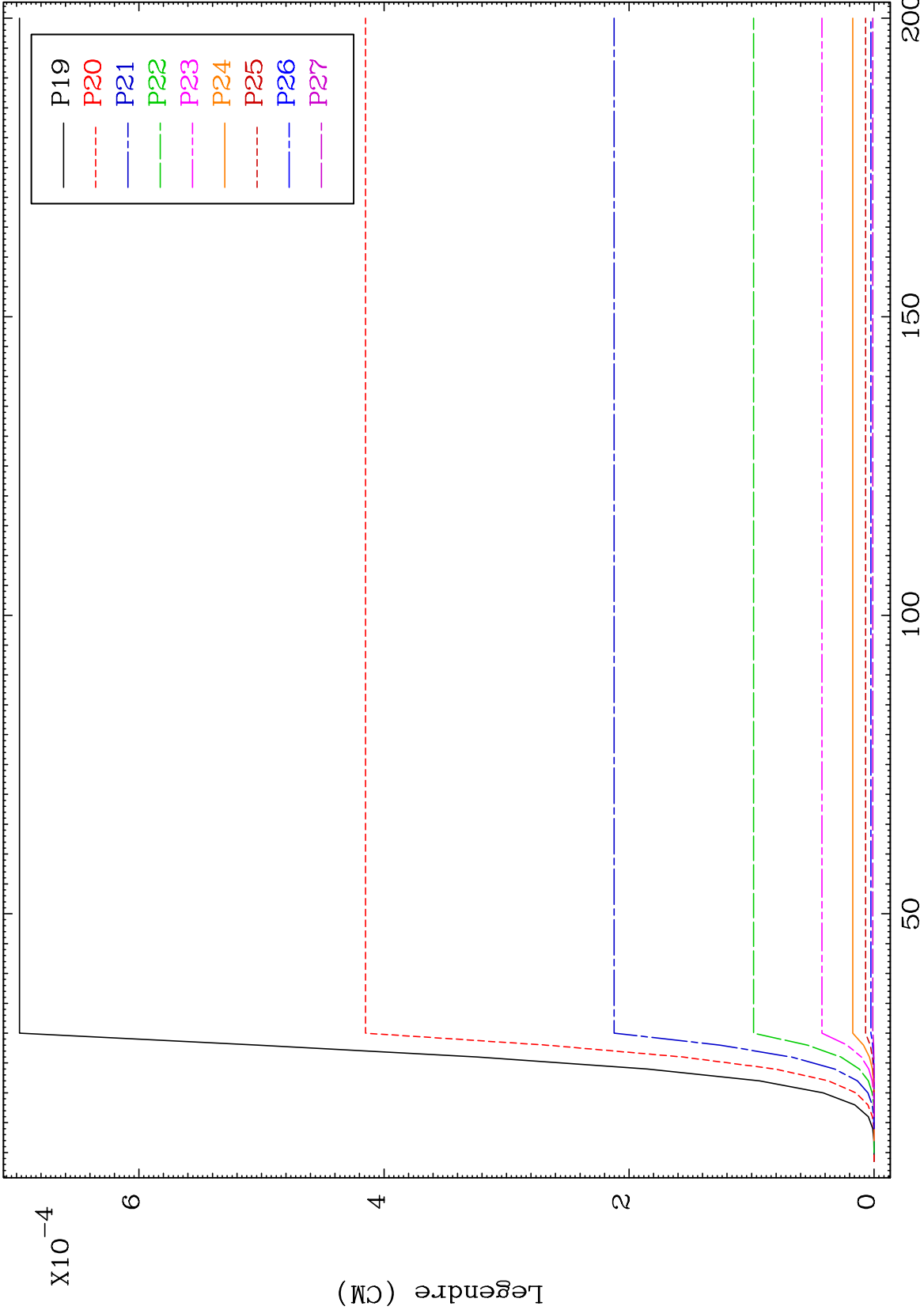
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

41-Nb-89



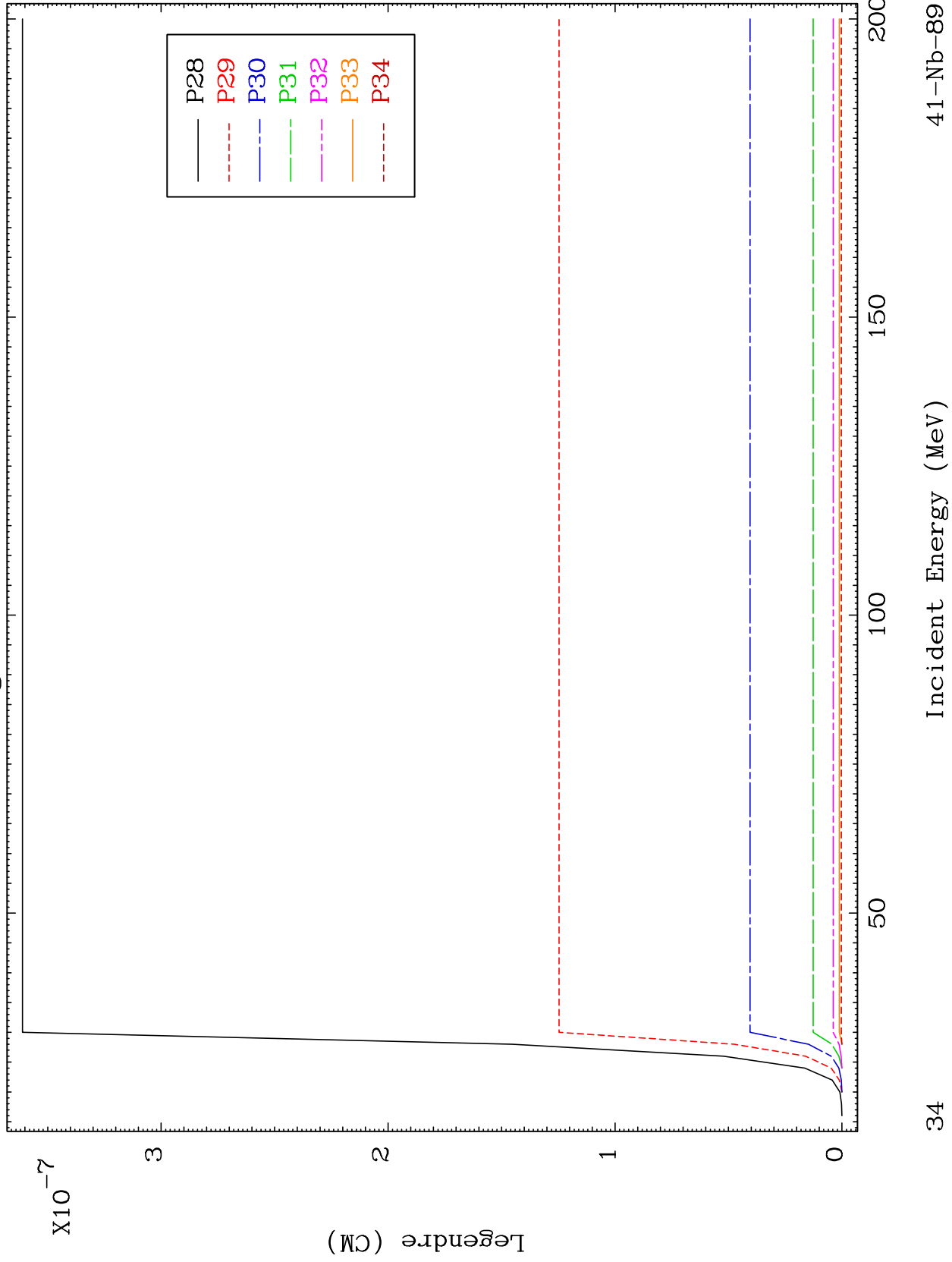
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41-Nb-89

MAT 4113

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

41-Nb-89



34

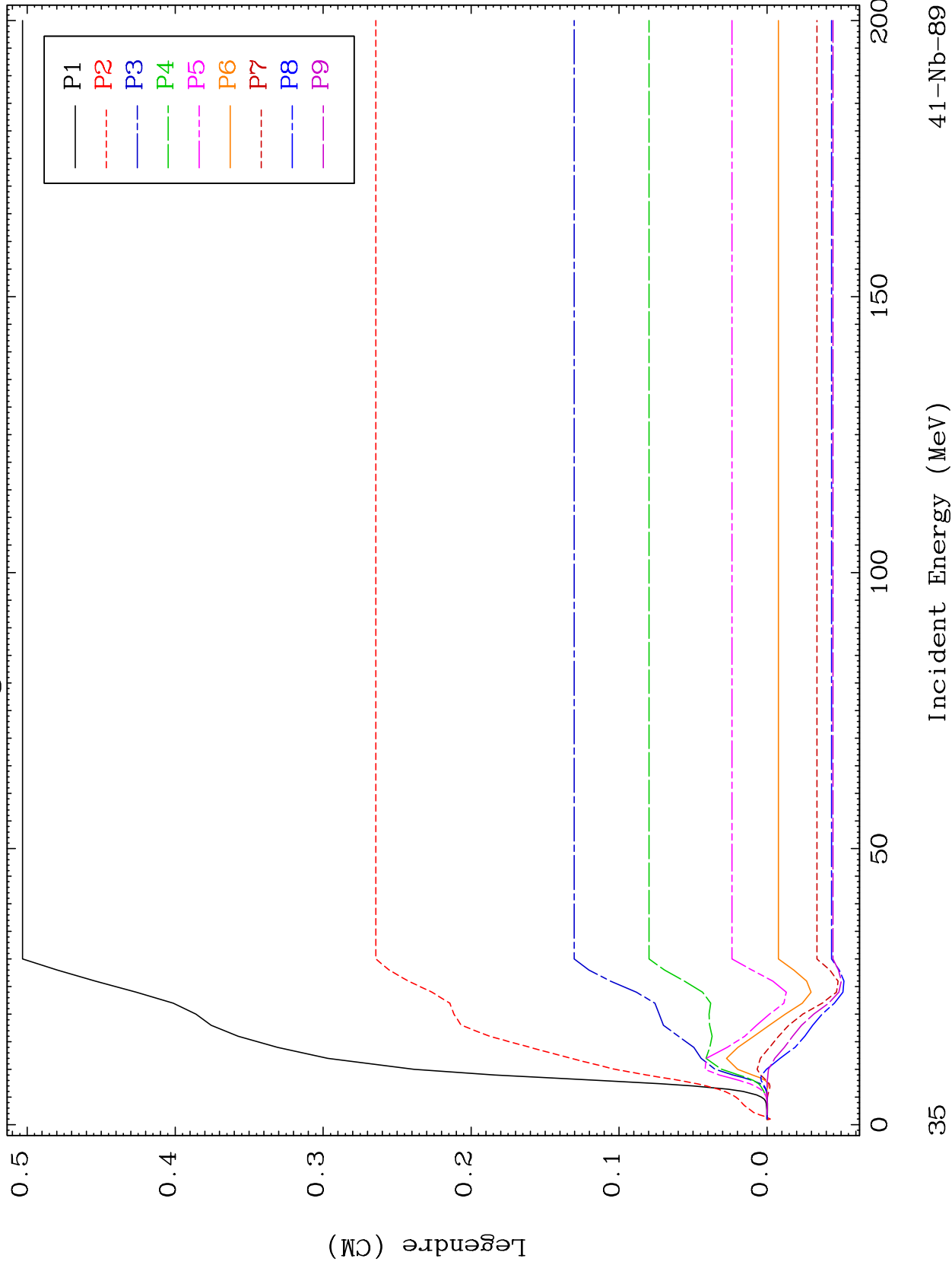
41-Nb-89

MAT 4113

MT= 55 (n,n') Level

41-Nb-89

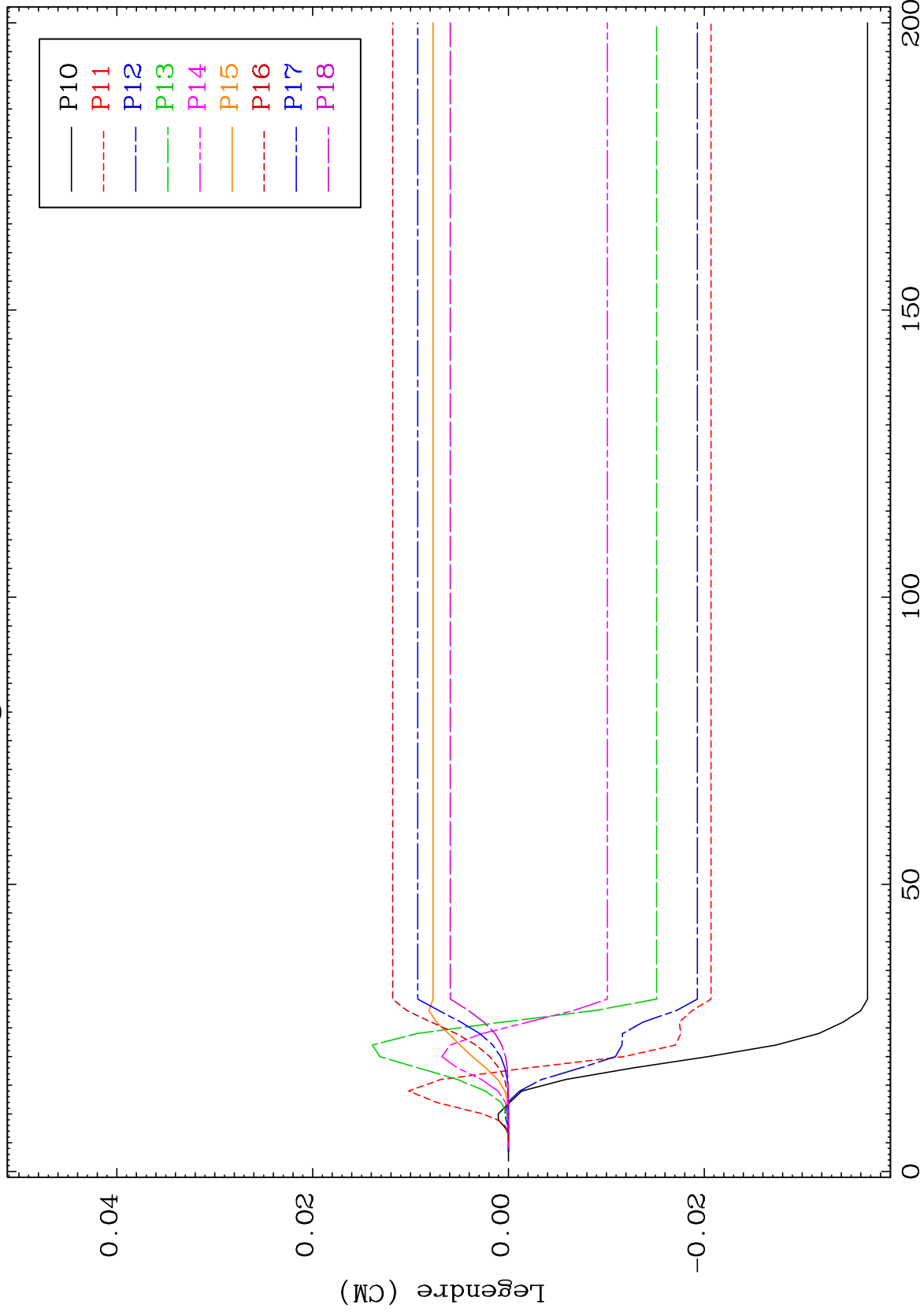
Legendre Coefficients



MAT 4113

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

41-Nb-89



36

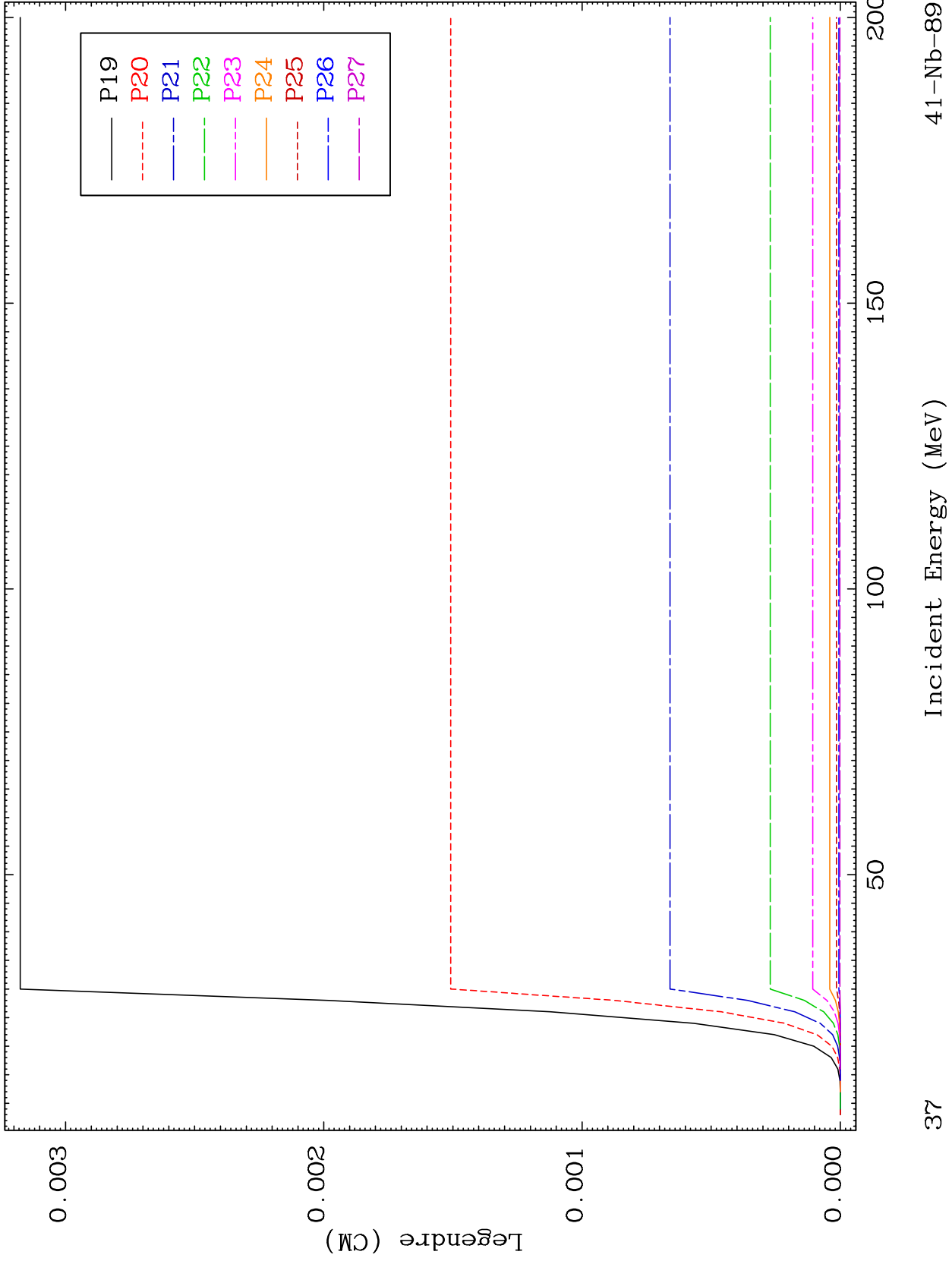
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

41-Nb-89



37

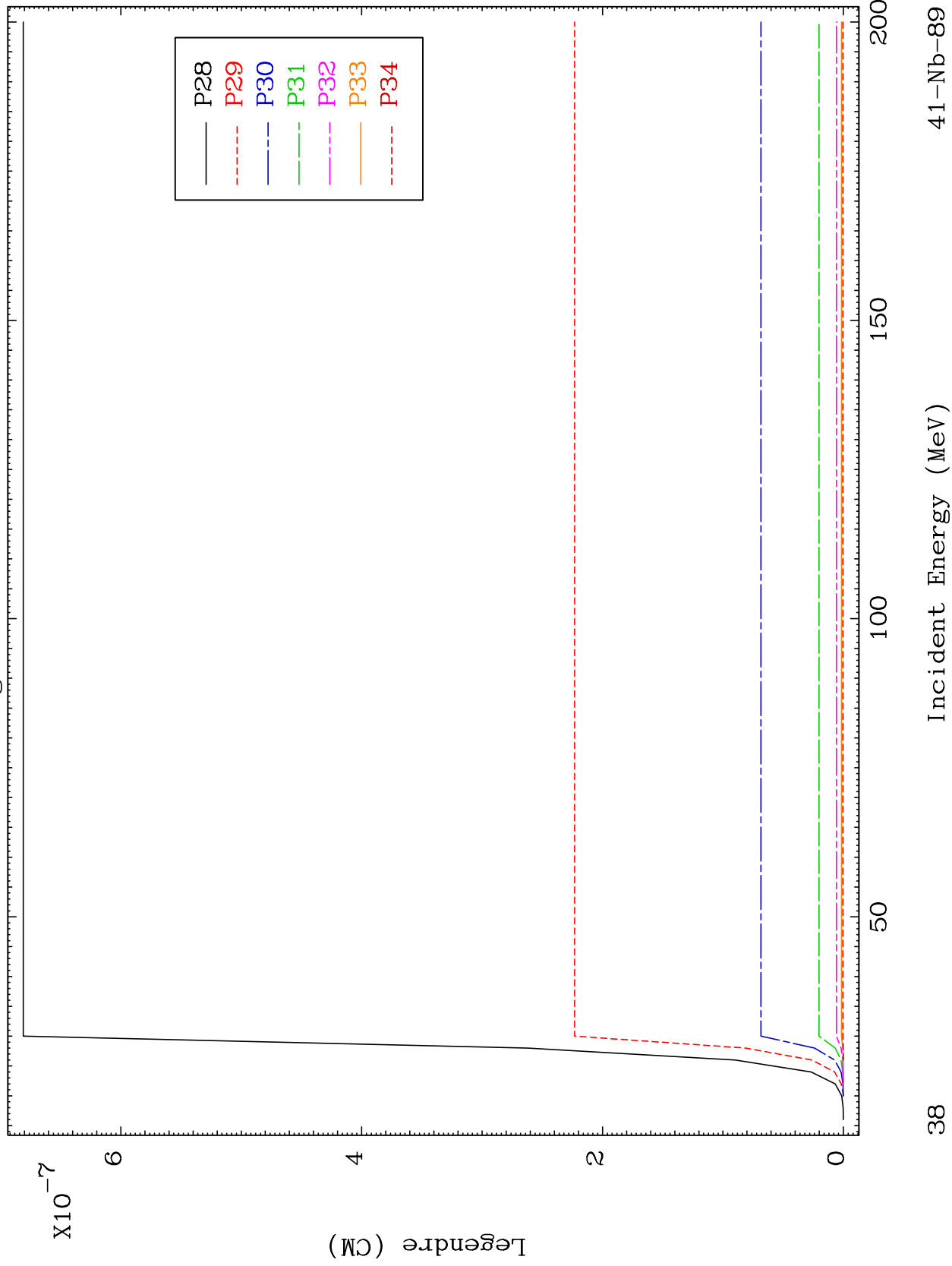
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

41-Nb-89



38

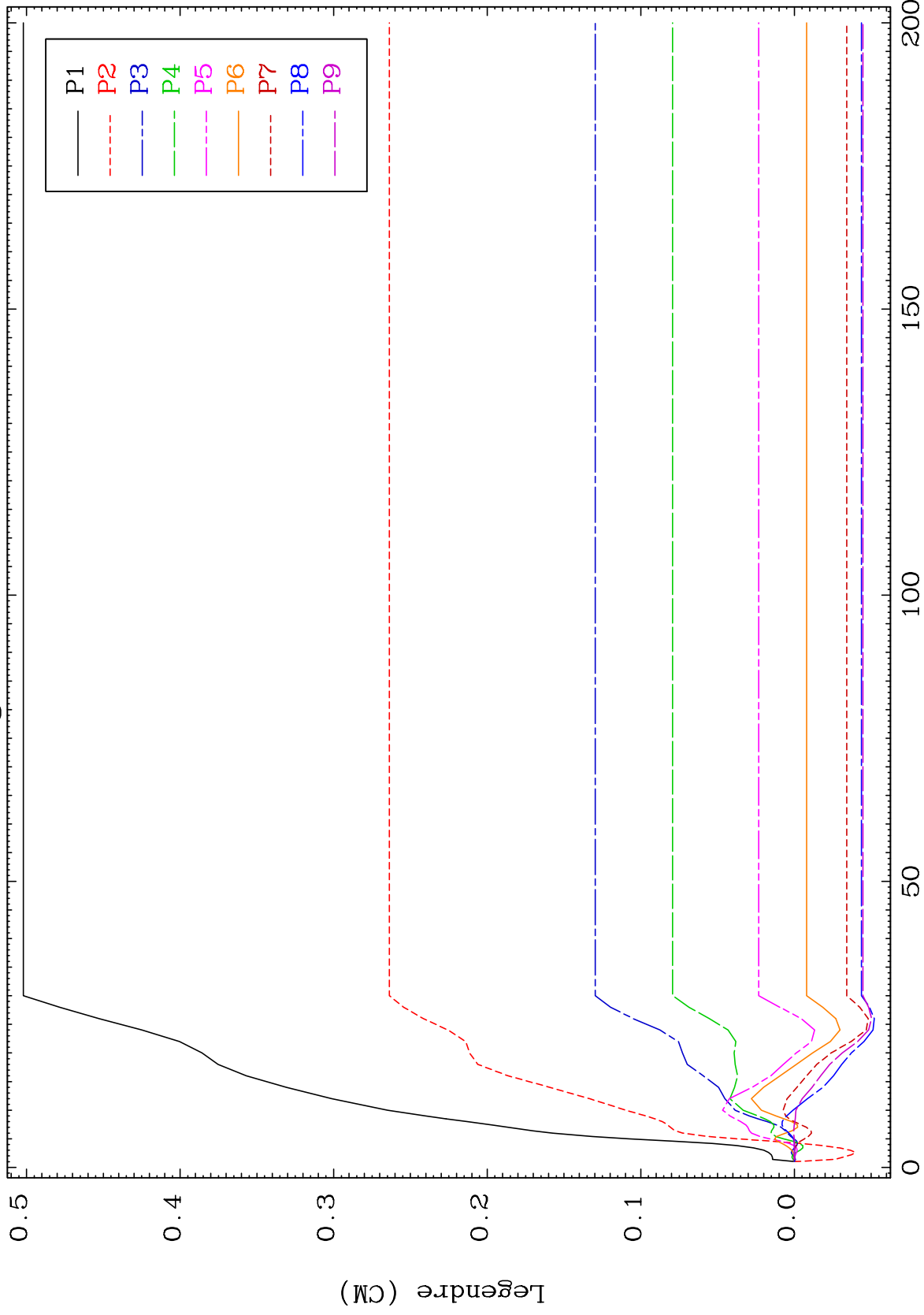
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

41-Nb-89



39

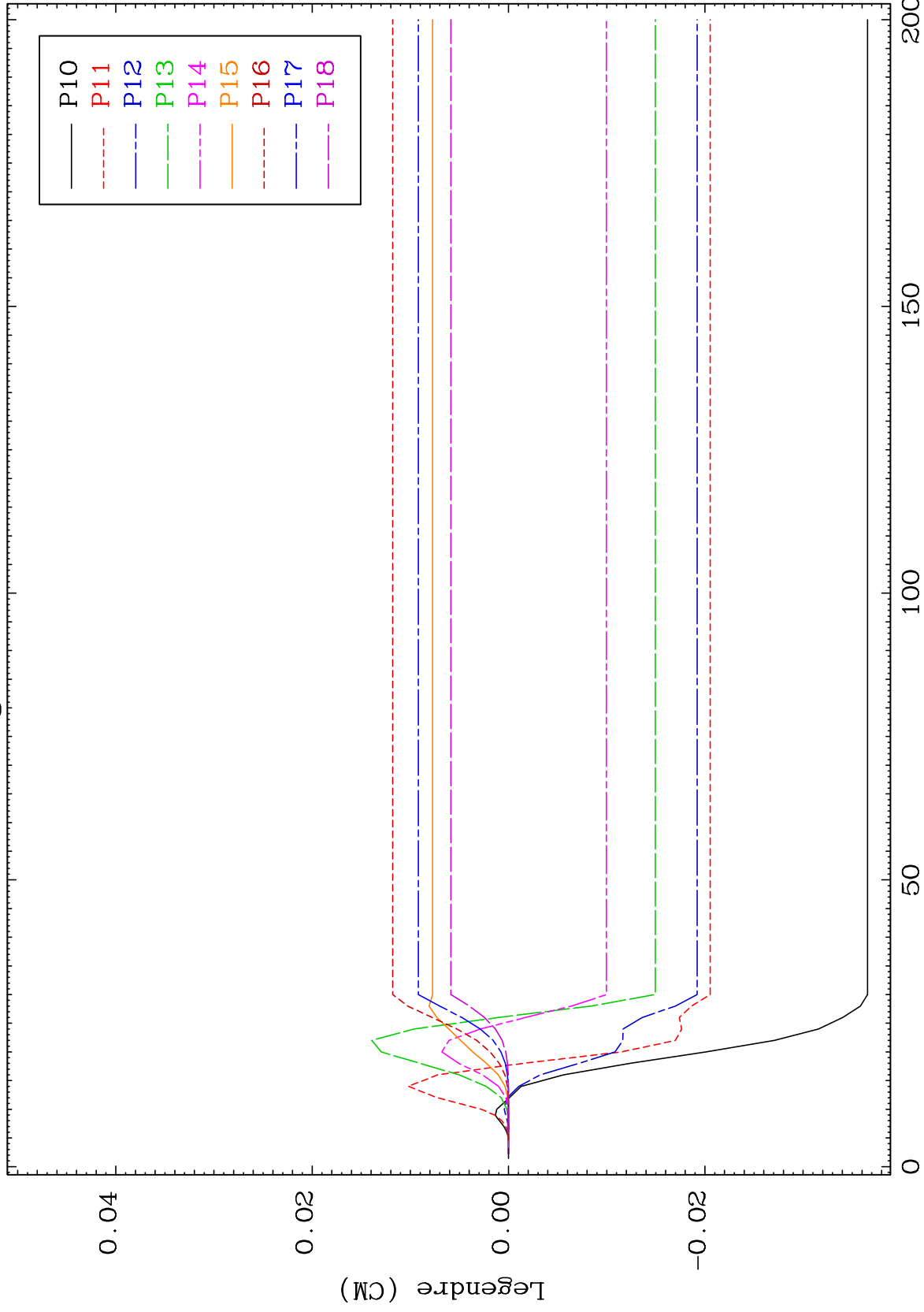
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

41-Nb-89



40

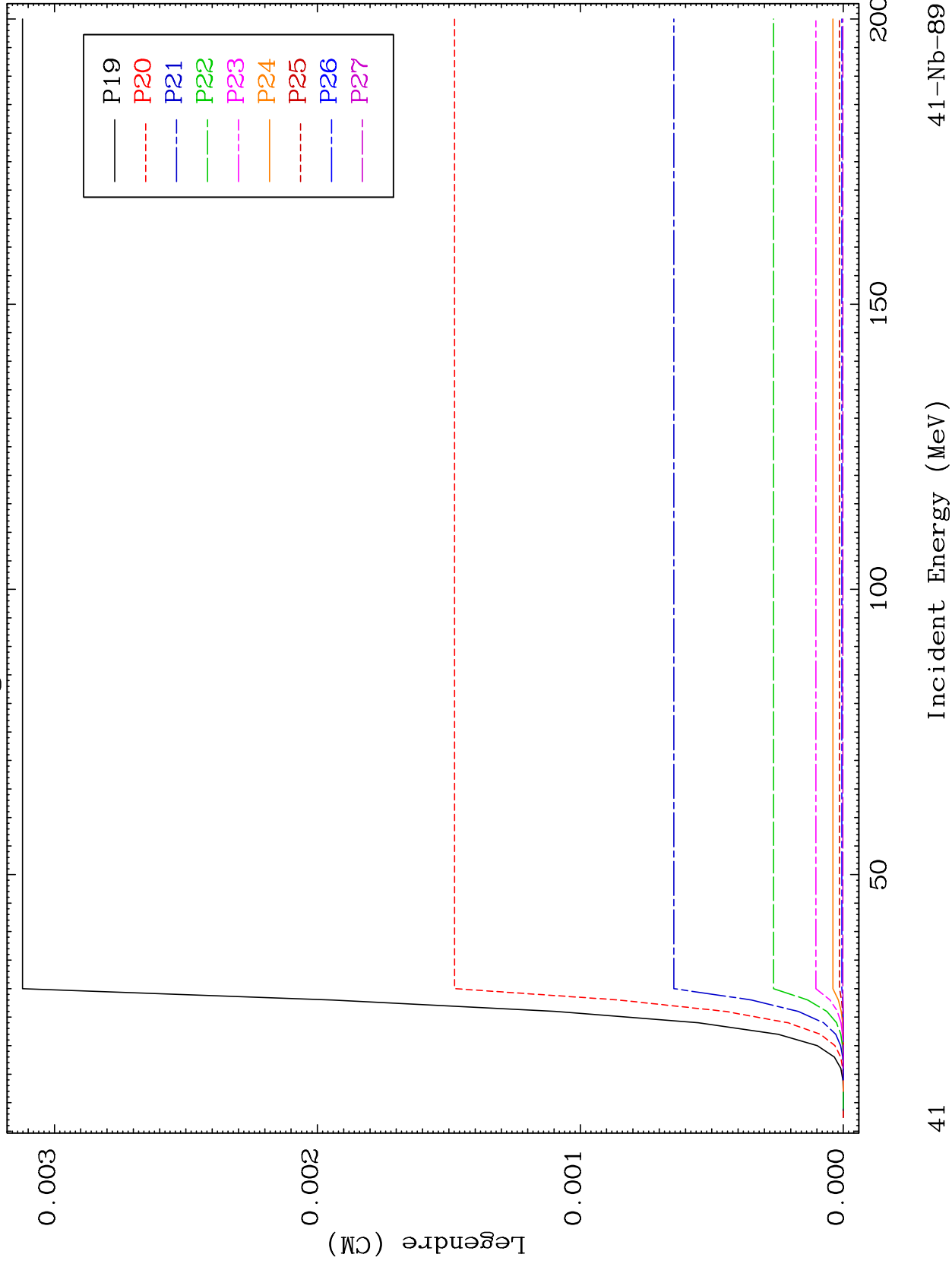
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

41-Nb-89



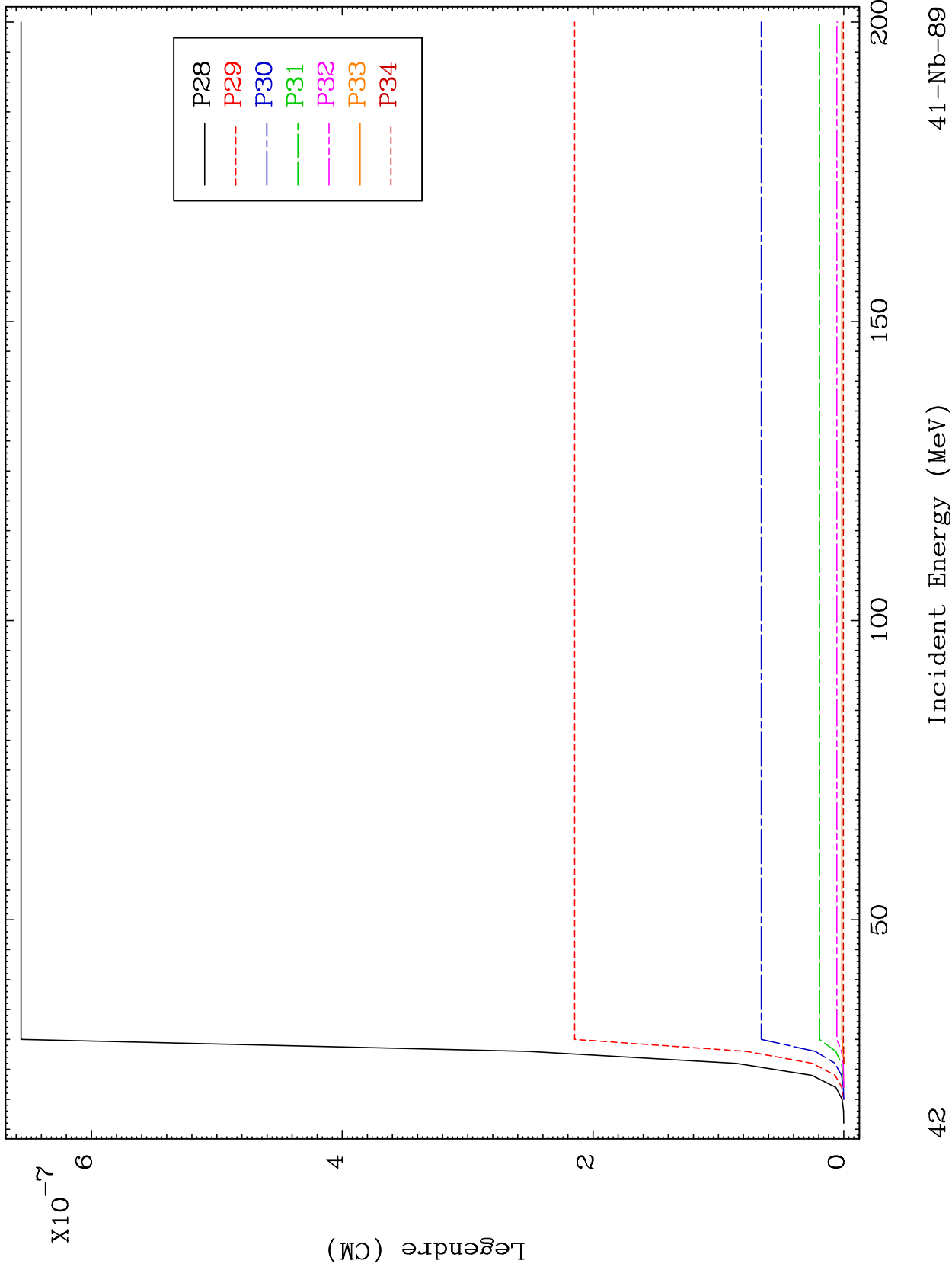
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41-Nb-89

MAT 4113

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

41-Nb-89



42

Incident Energy (MeV)

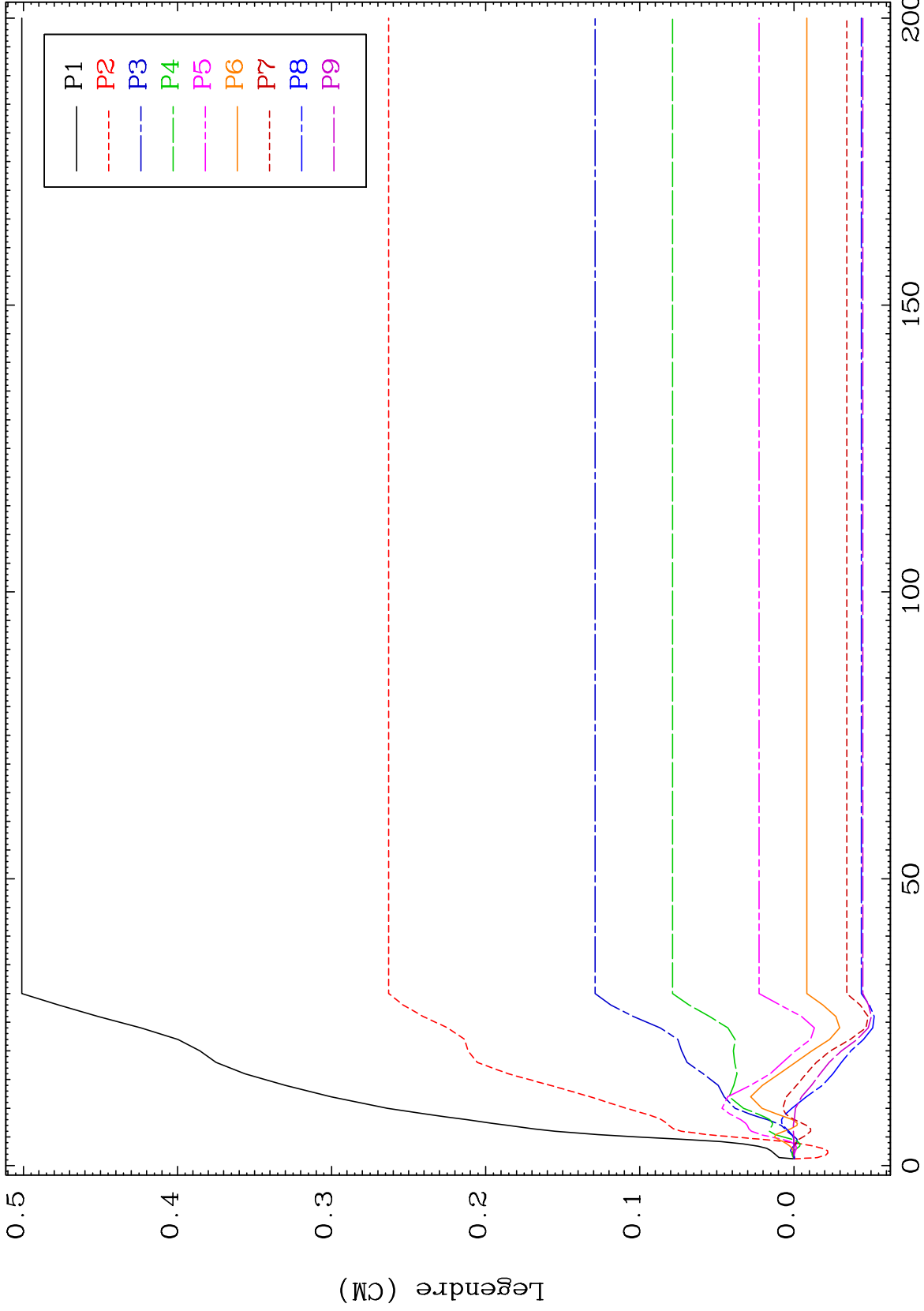
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MAT 4113

MT= 57 (n,n') Level

41-Nb-89

Legendre Coefficients



43

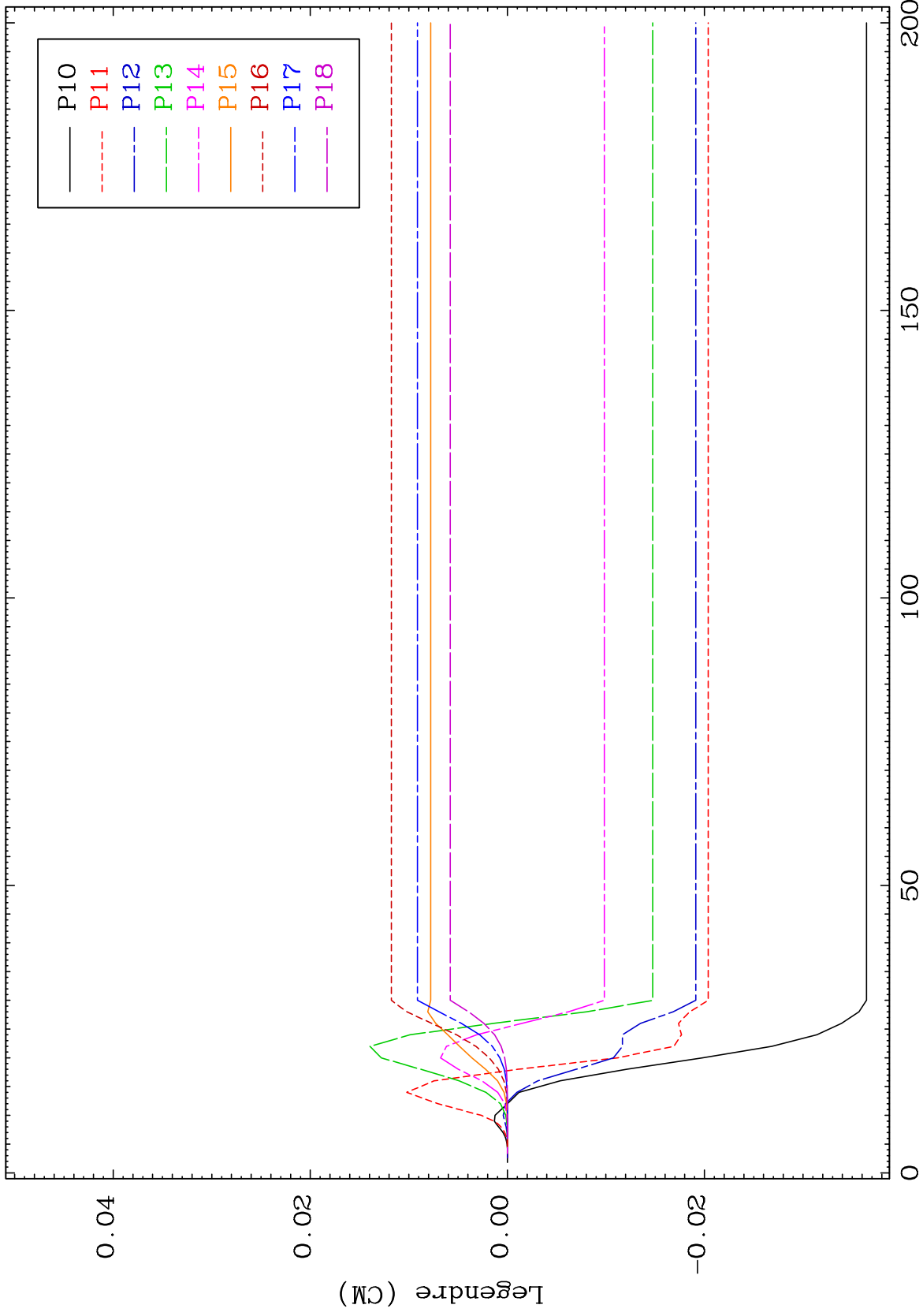
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

41-Nb-89



44

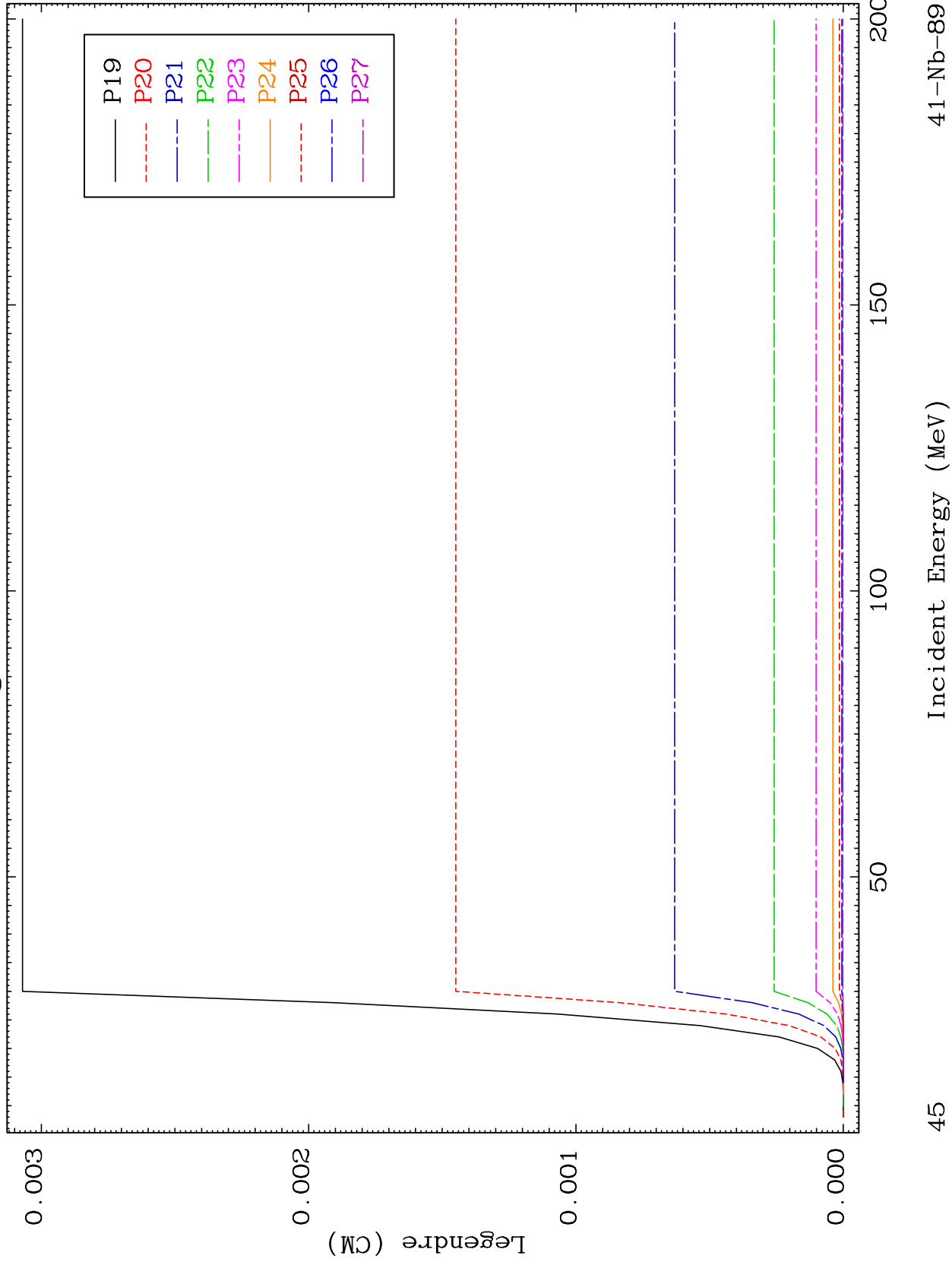
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

41-Nb-89



45

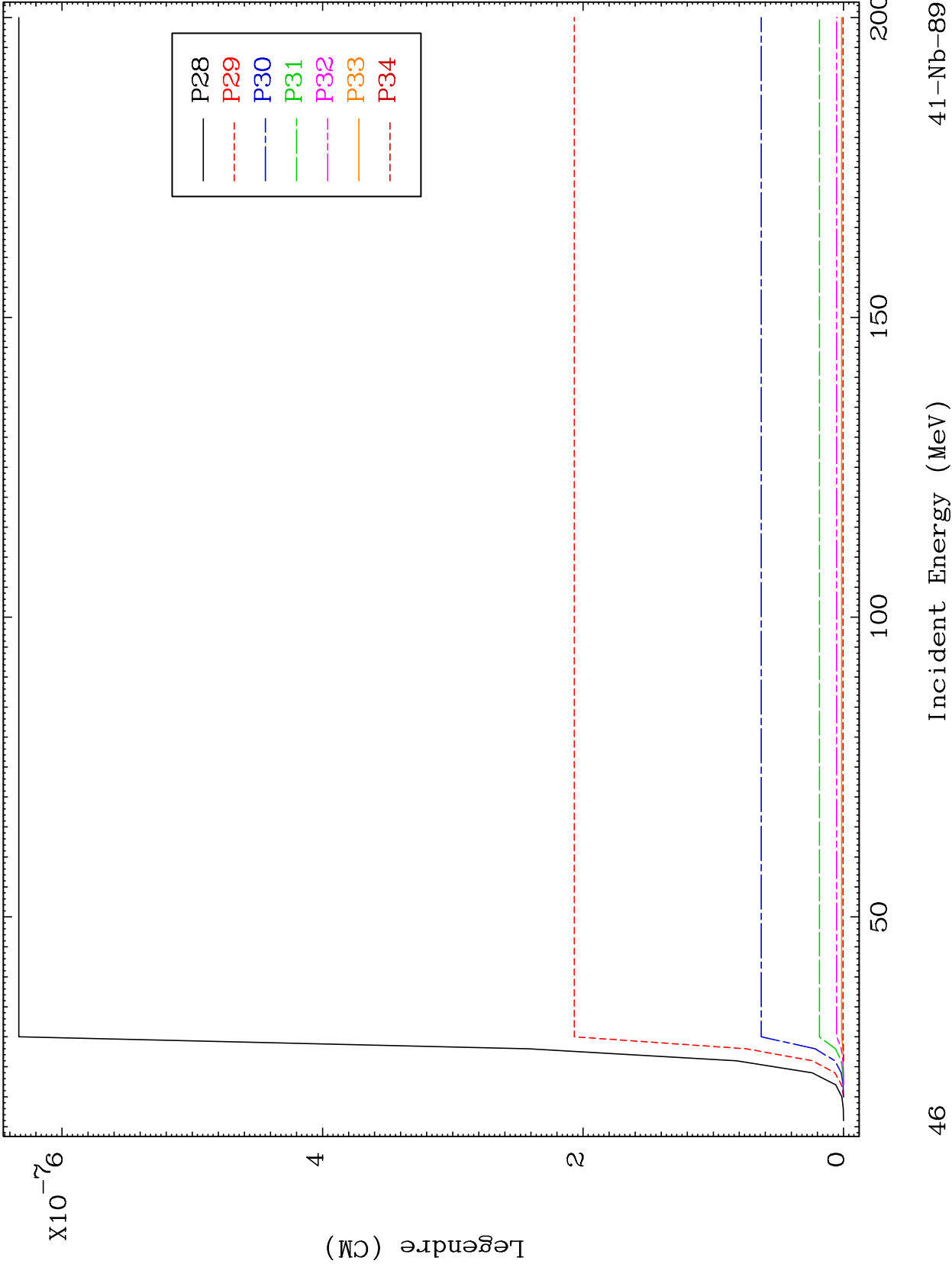
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

41-Nb-89

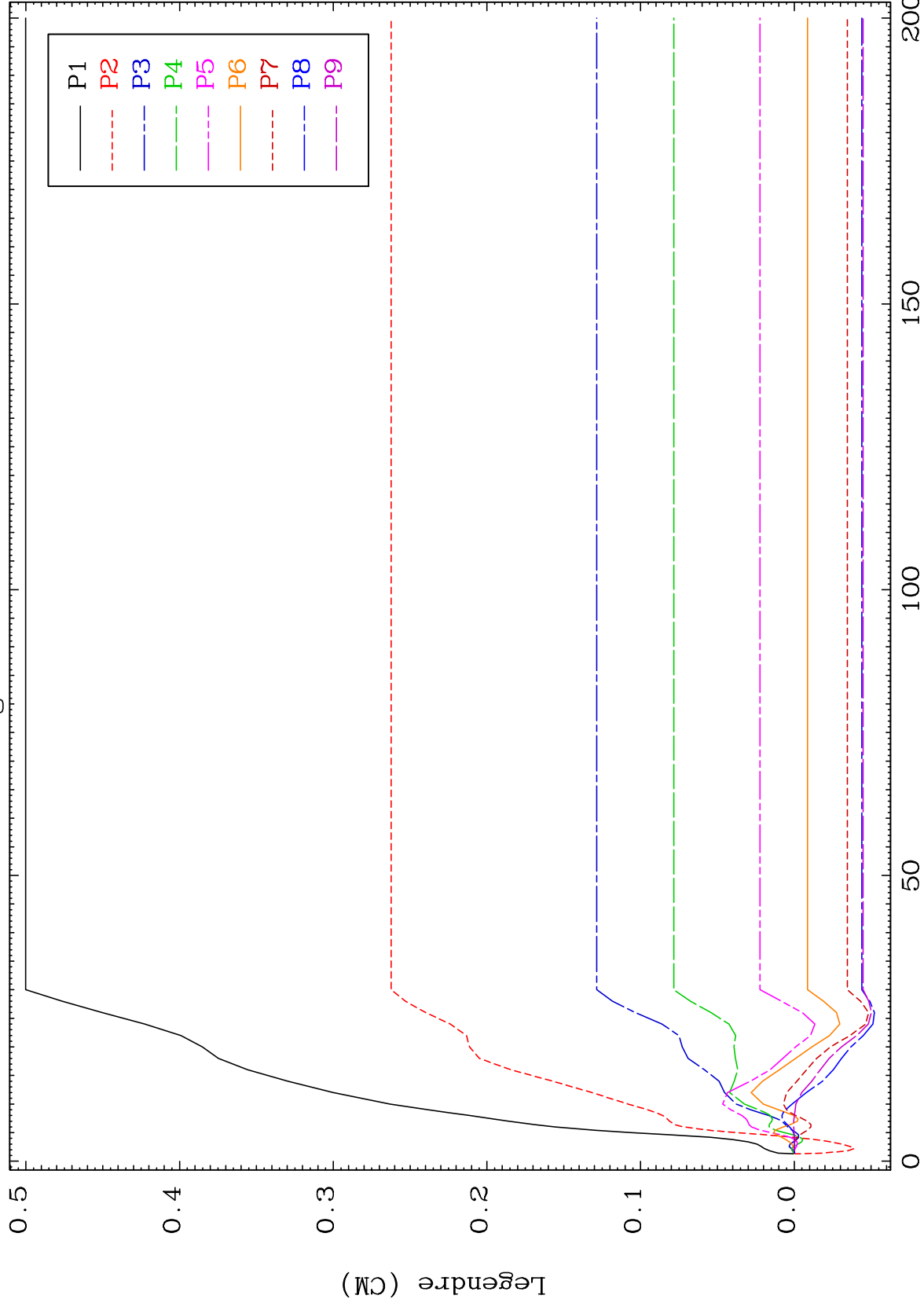


MAT 4113

MT= 58 (n,n') Level

41-Nb-89

Legendre Coefficients



47

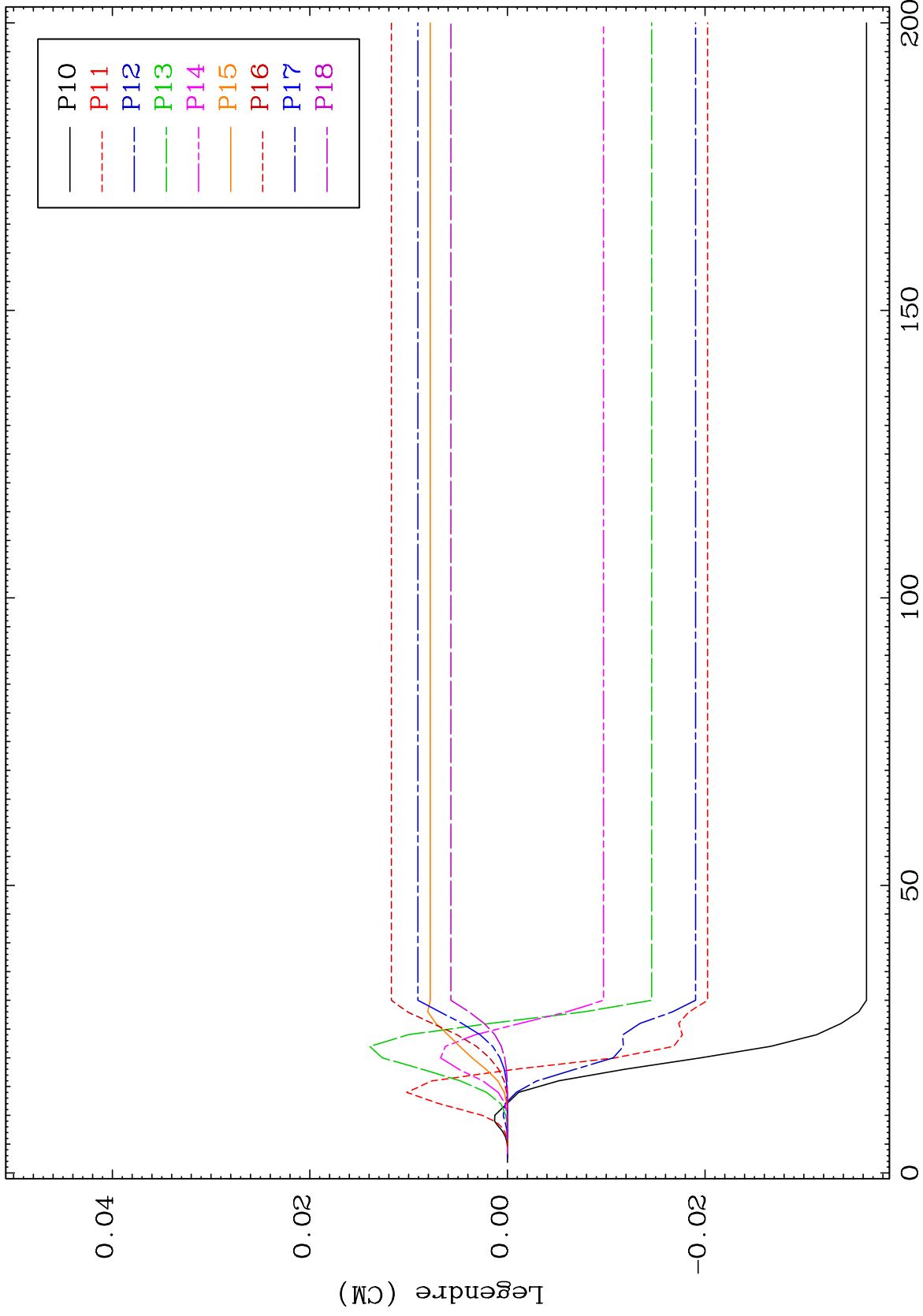
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

41-Nb-89



48

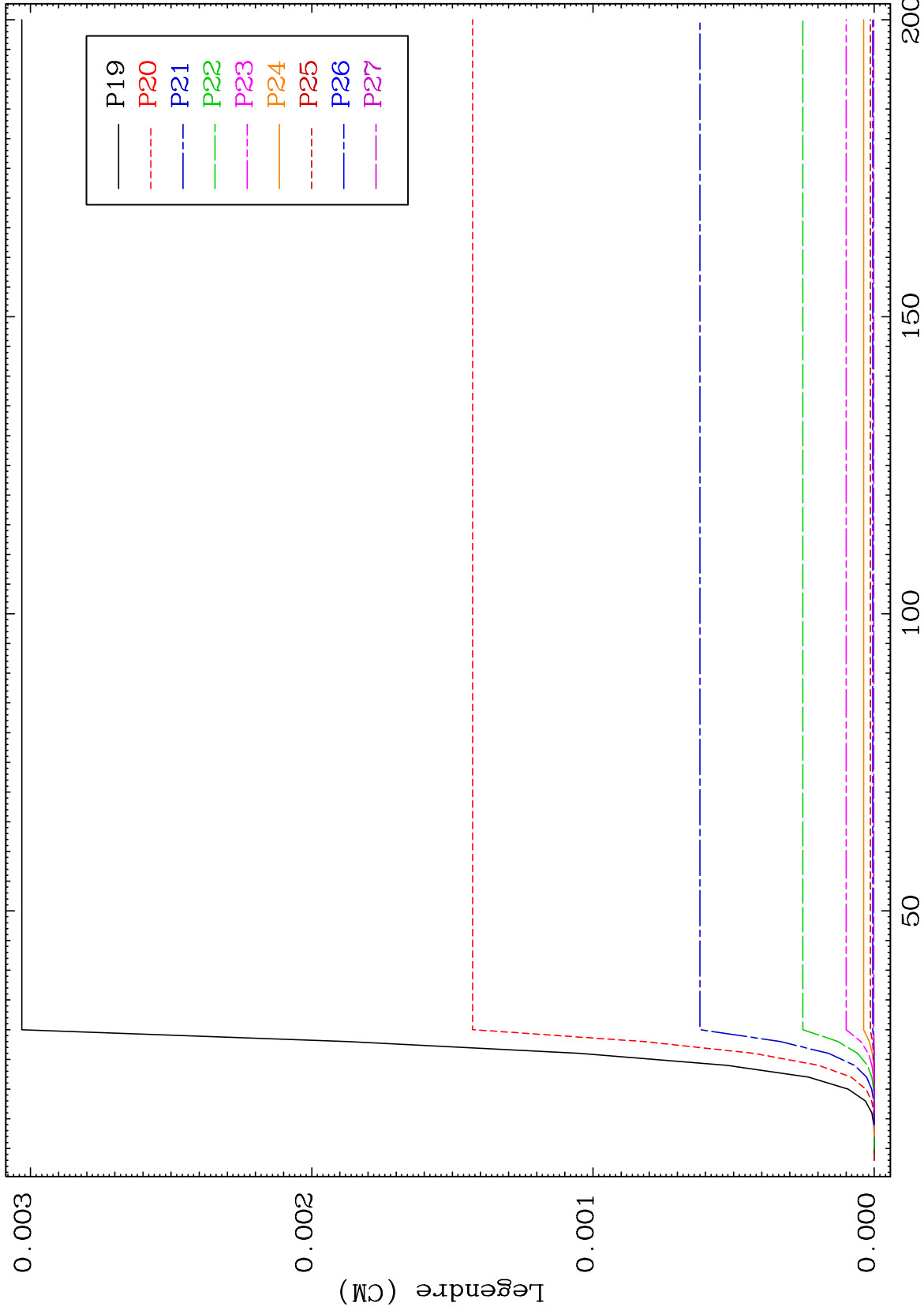
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

41-Nb-89



49

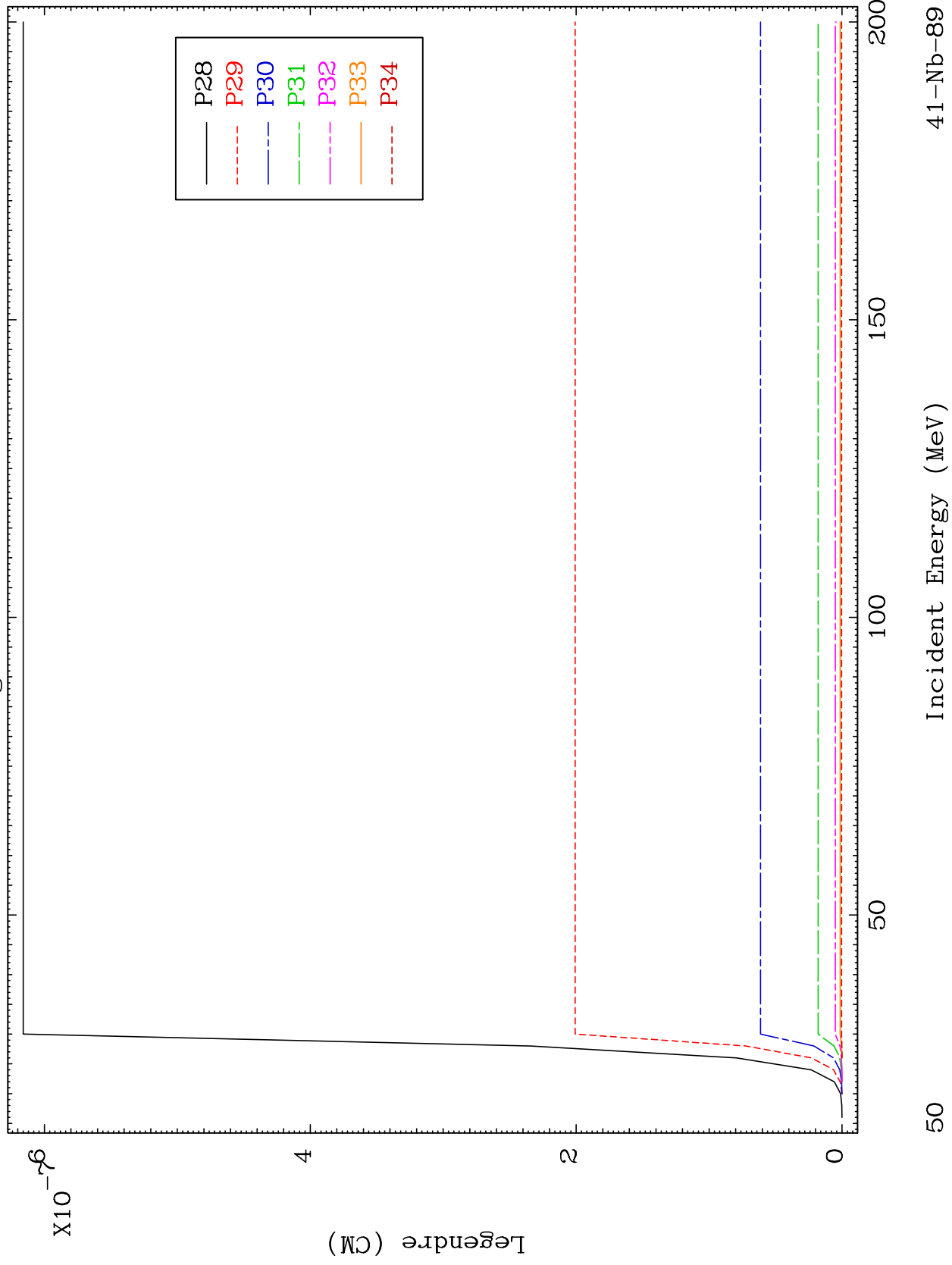
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

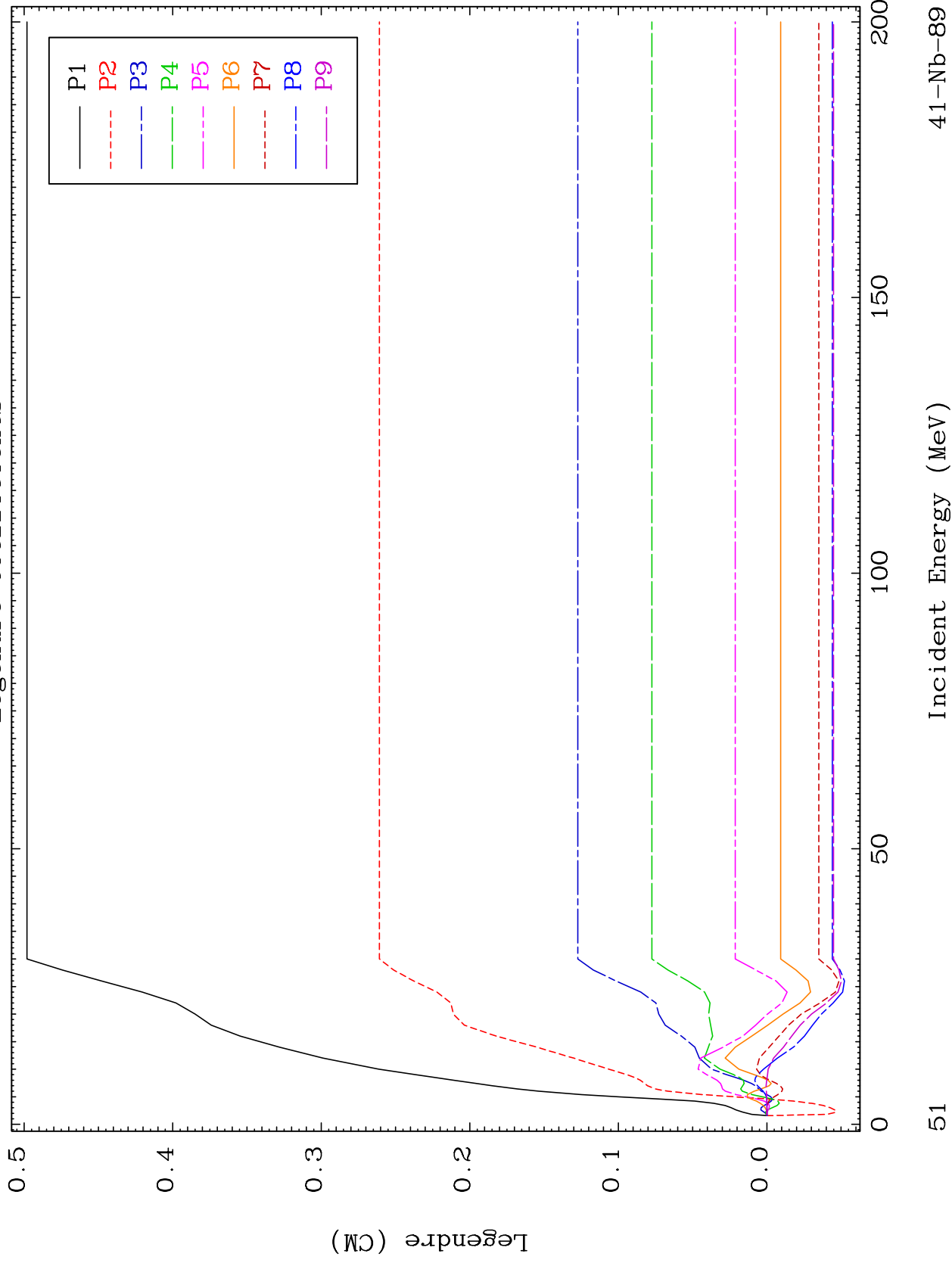
41-Nb-89



MAT 4113

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

41-Nb-89



41-Nb-89

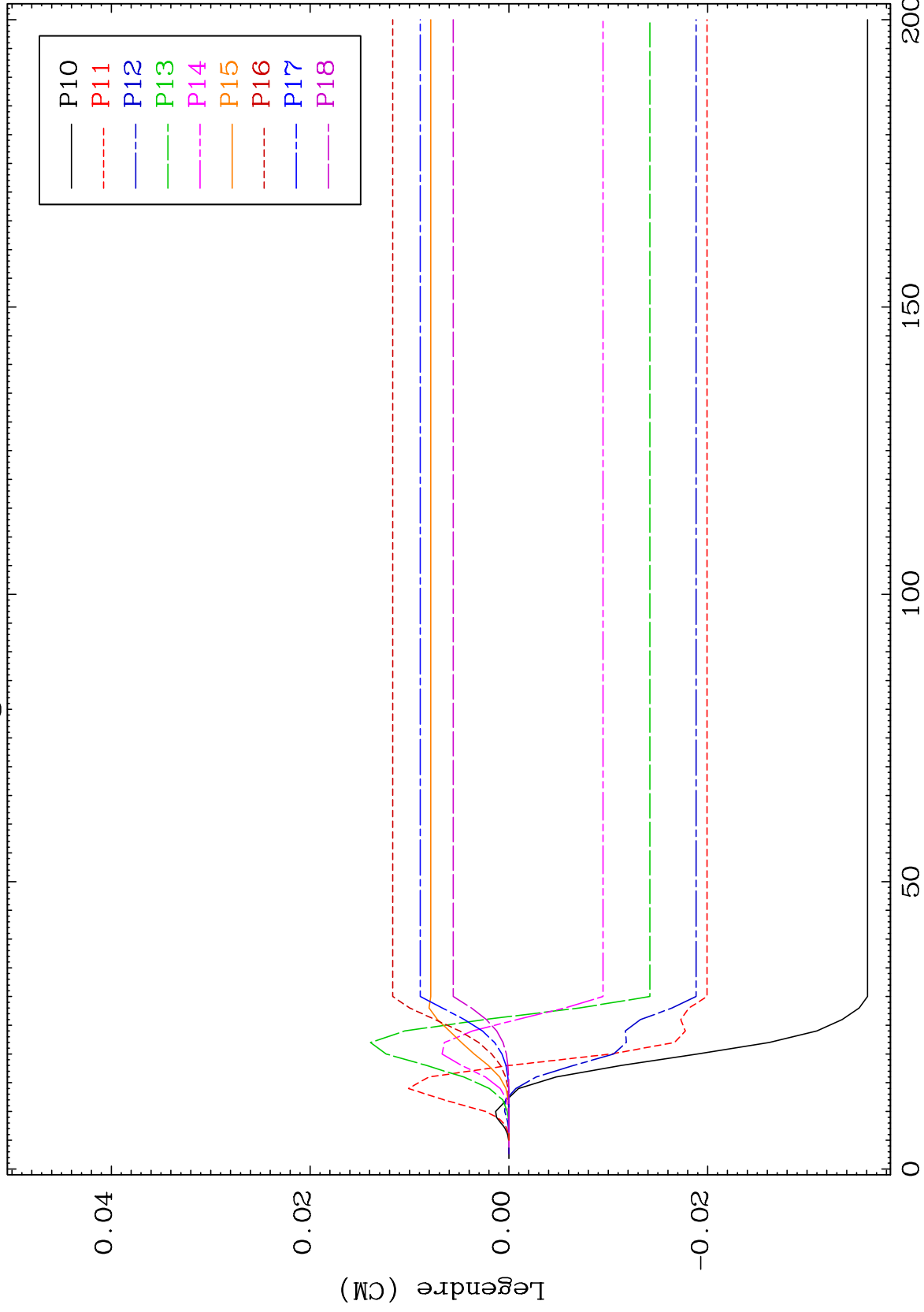
Incident Energy (MeV)

51

MAT 4113

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

41-Nb-89



52

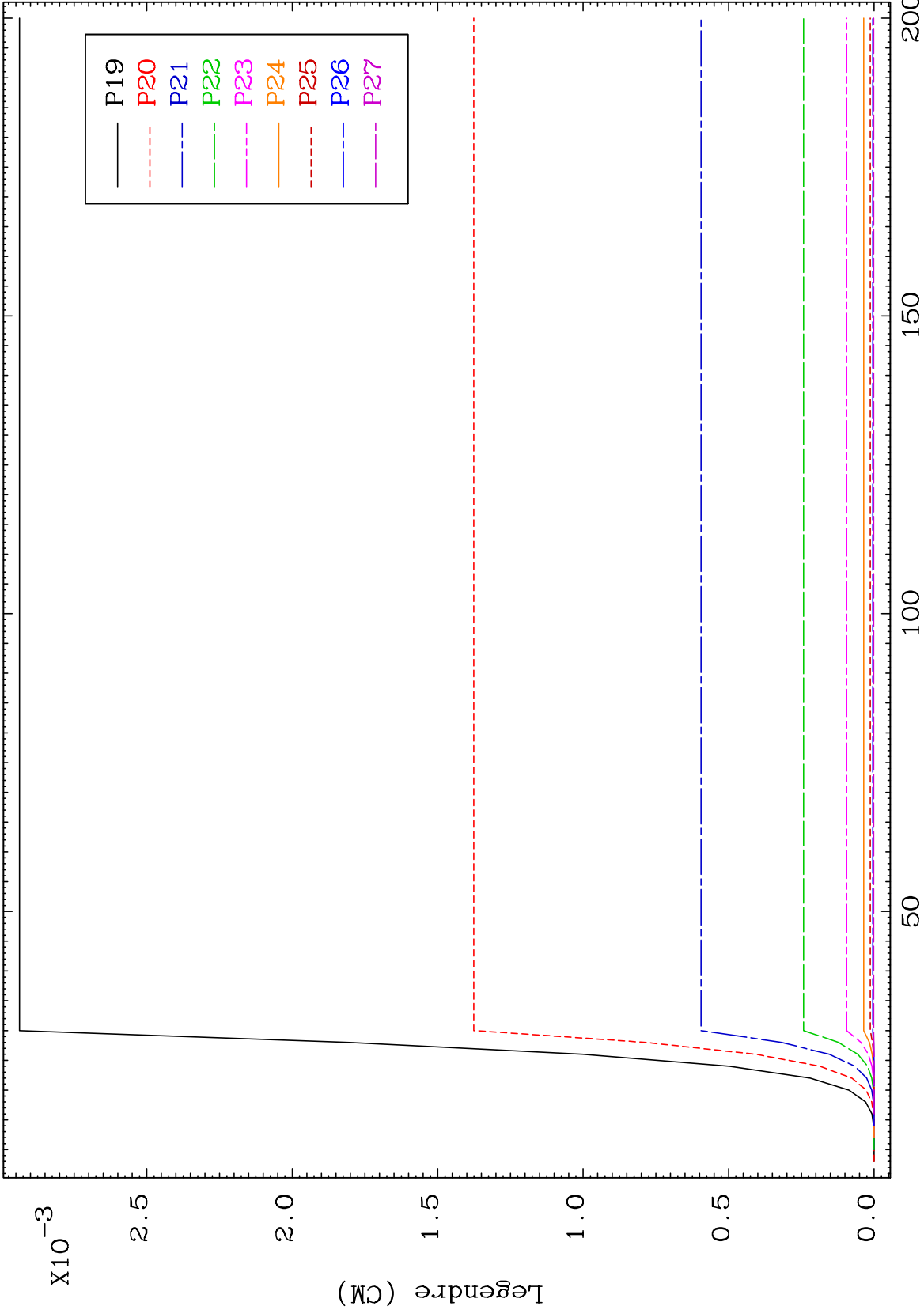
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

41-Nb-89



53

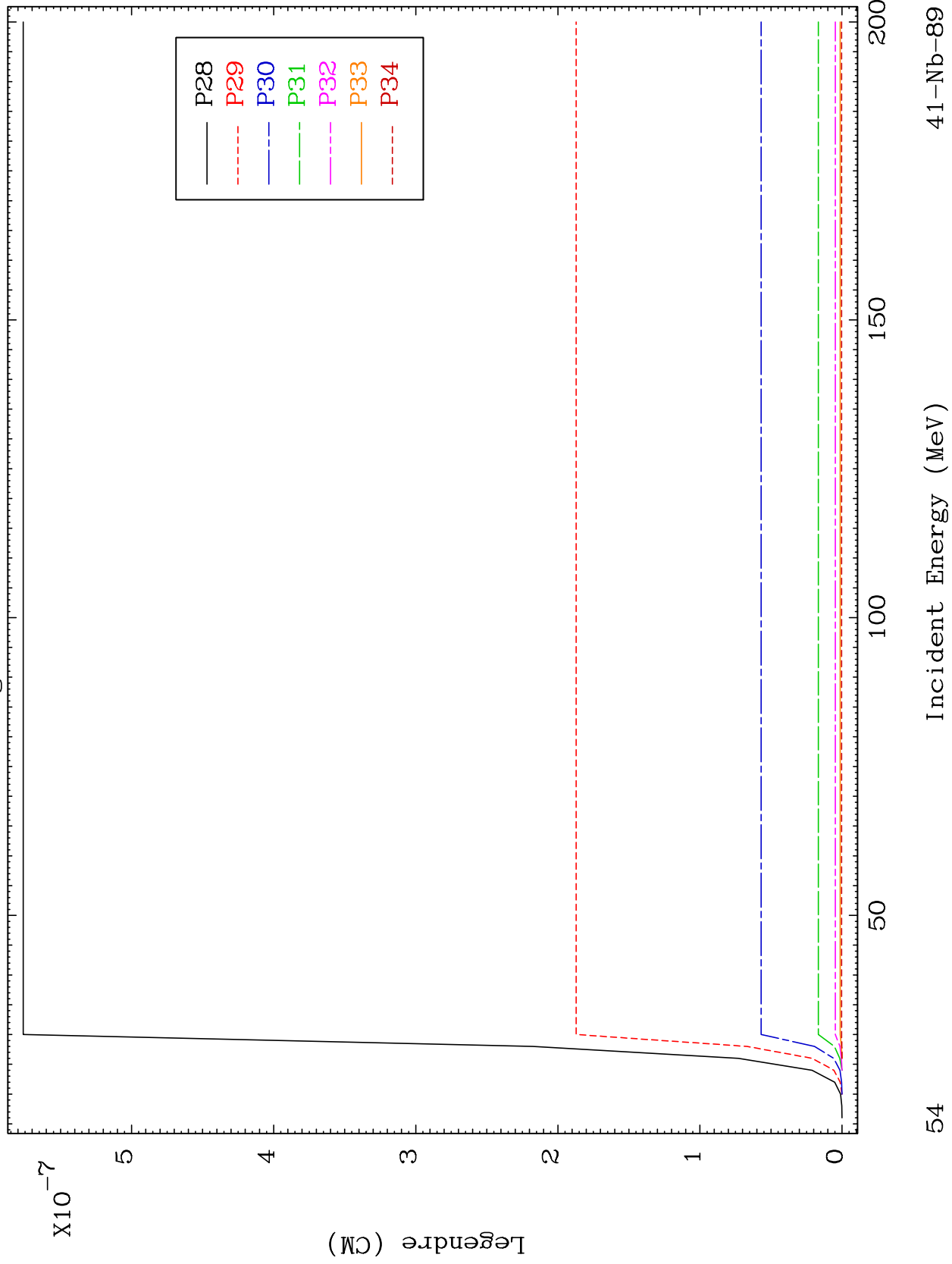
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

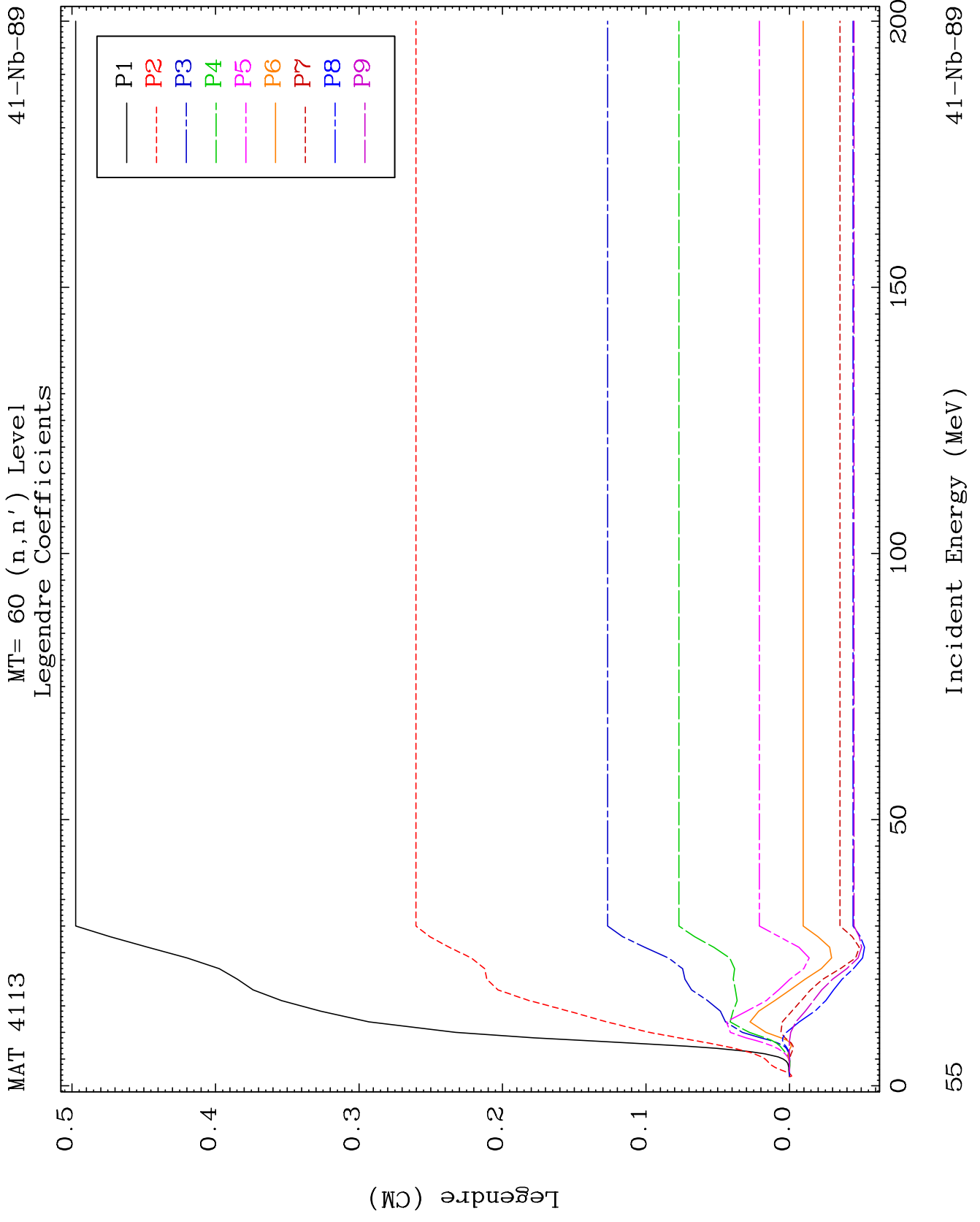
41-Nb-89



54

Incident Energy (MeV)

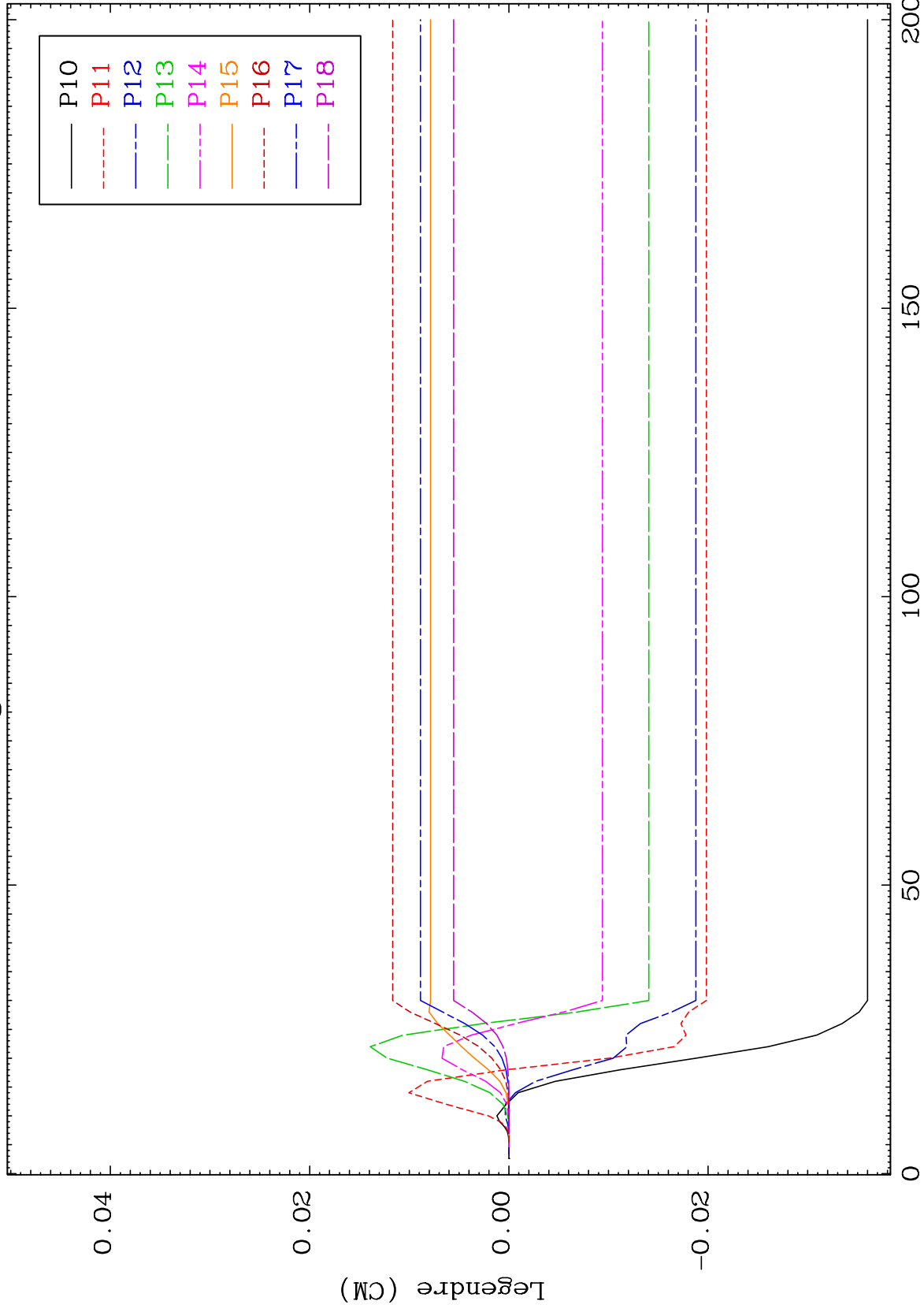
41-Nb-89



MAT 4113

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

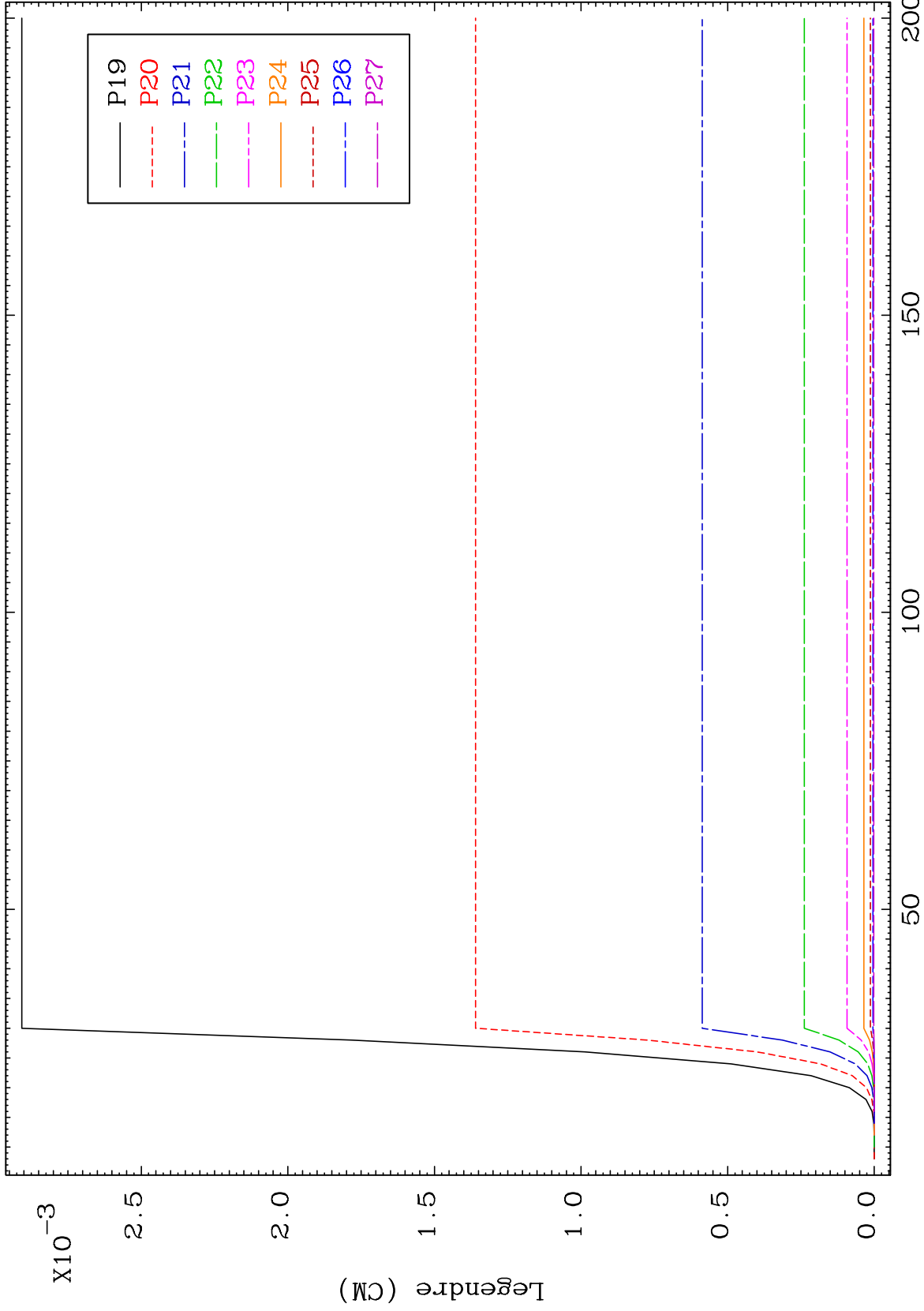
41-Nb-89



56

Incident Energy (MeV)

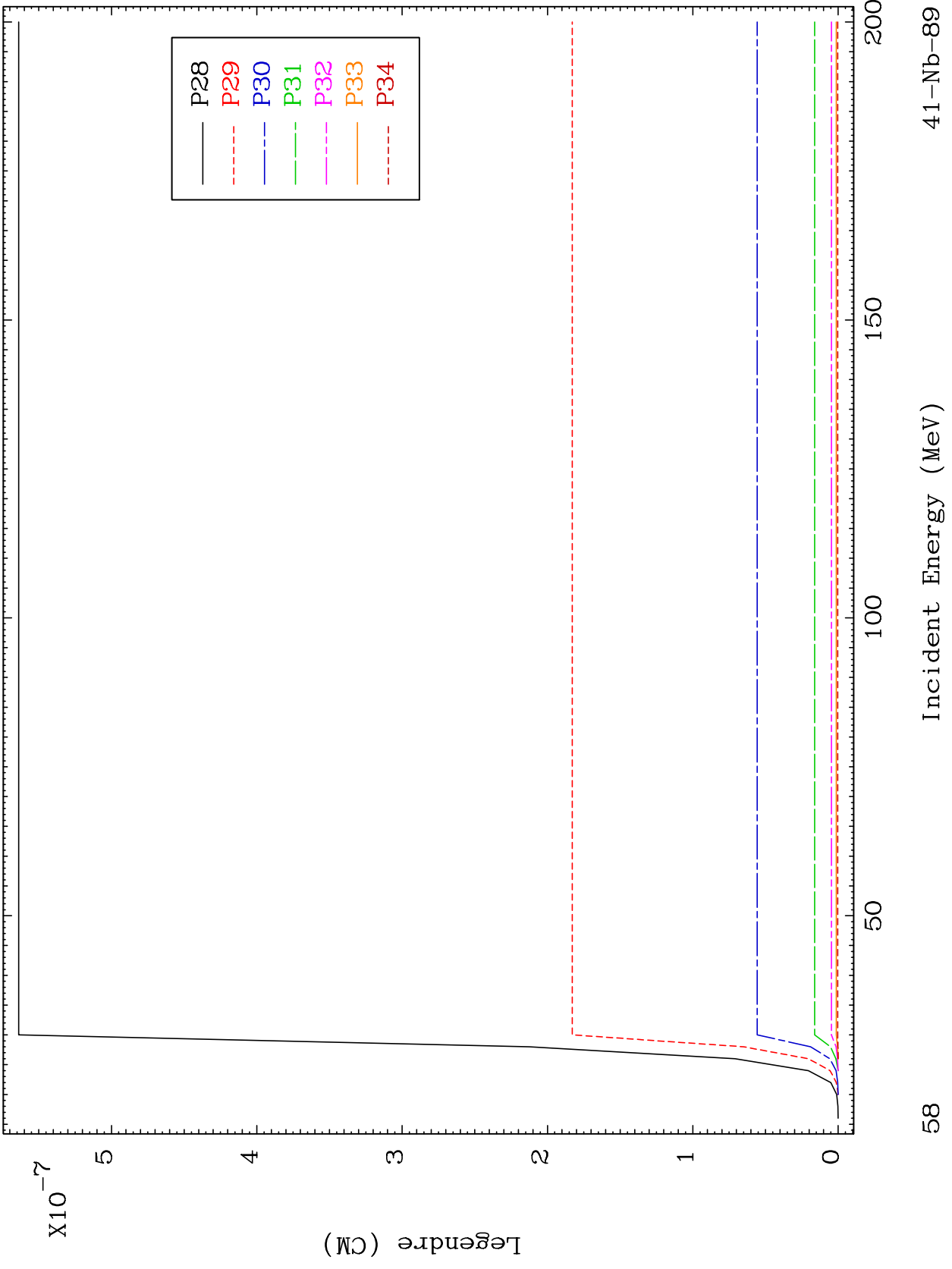
41-Nb-89



MAT 4113

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

41-Nb-89



58

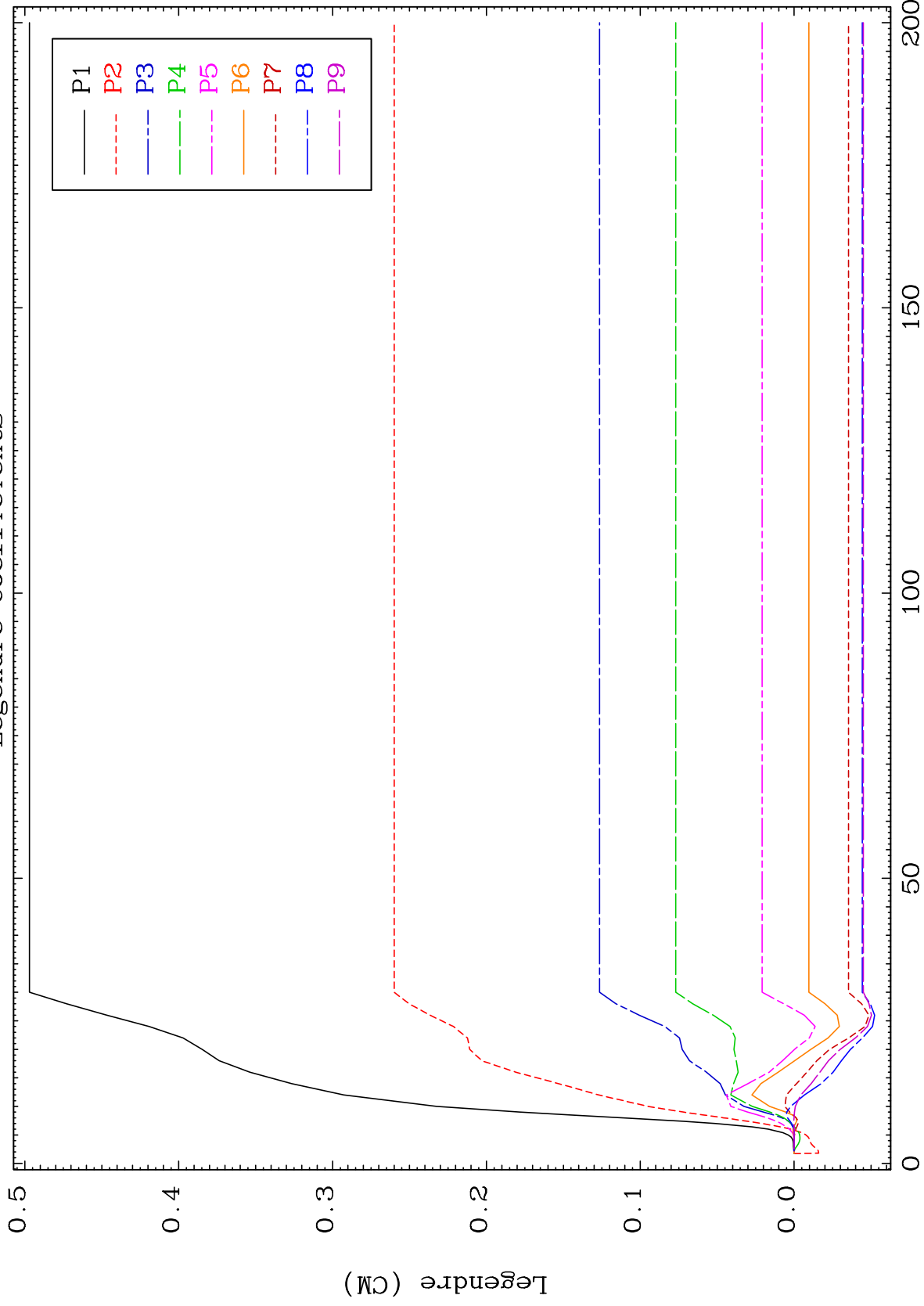
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

41-Nb-89



59

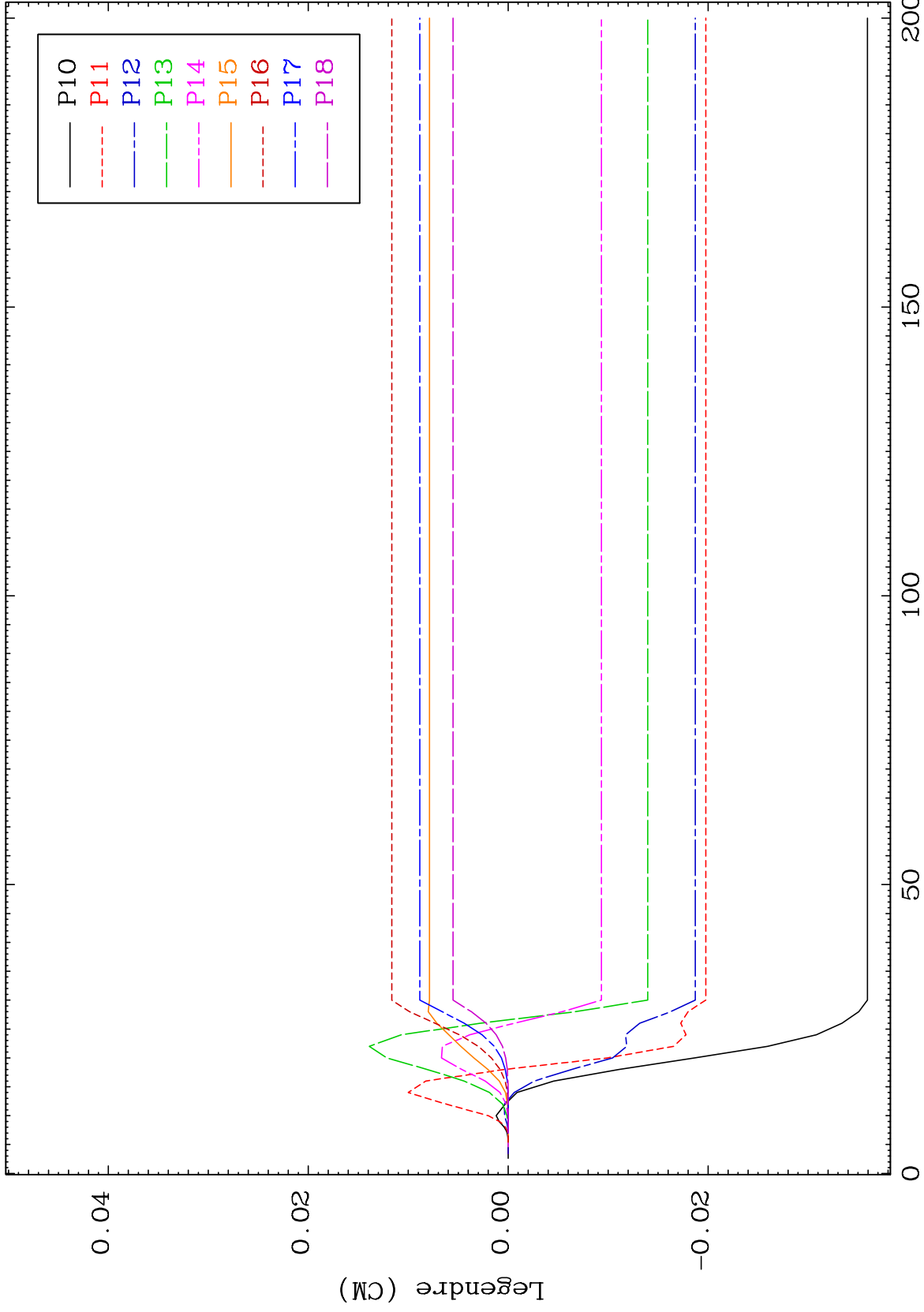
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

41-Nb-89



60

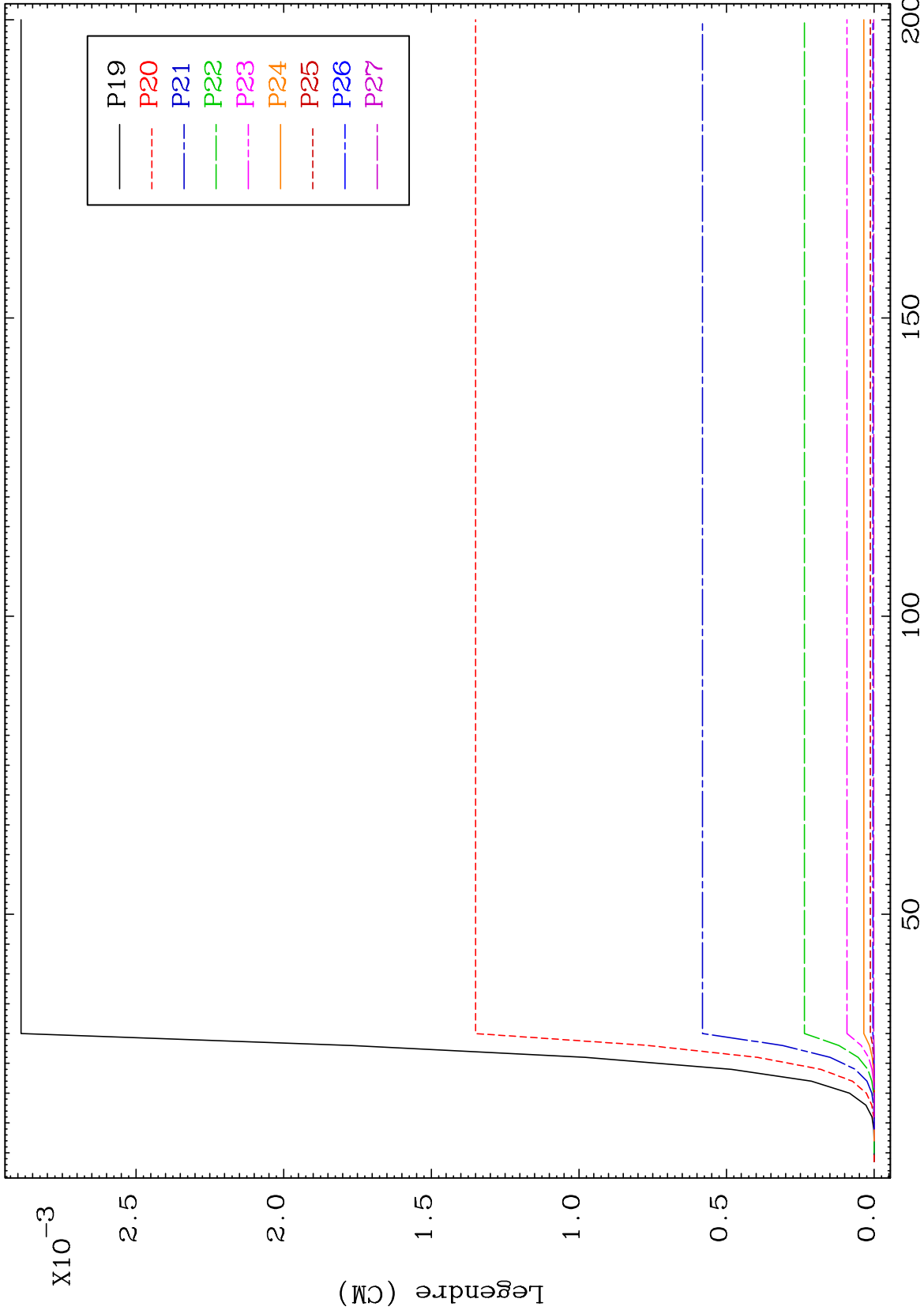
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

41-Nb-89



61

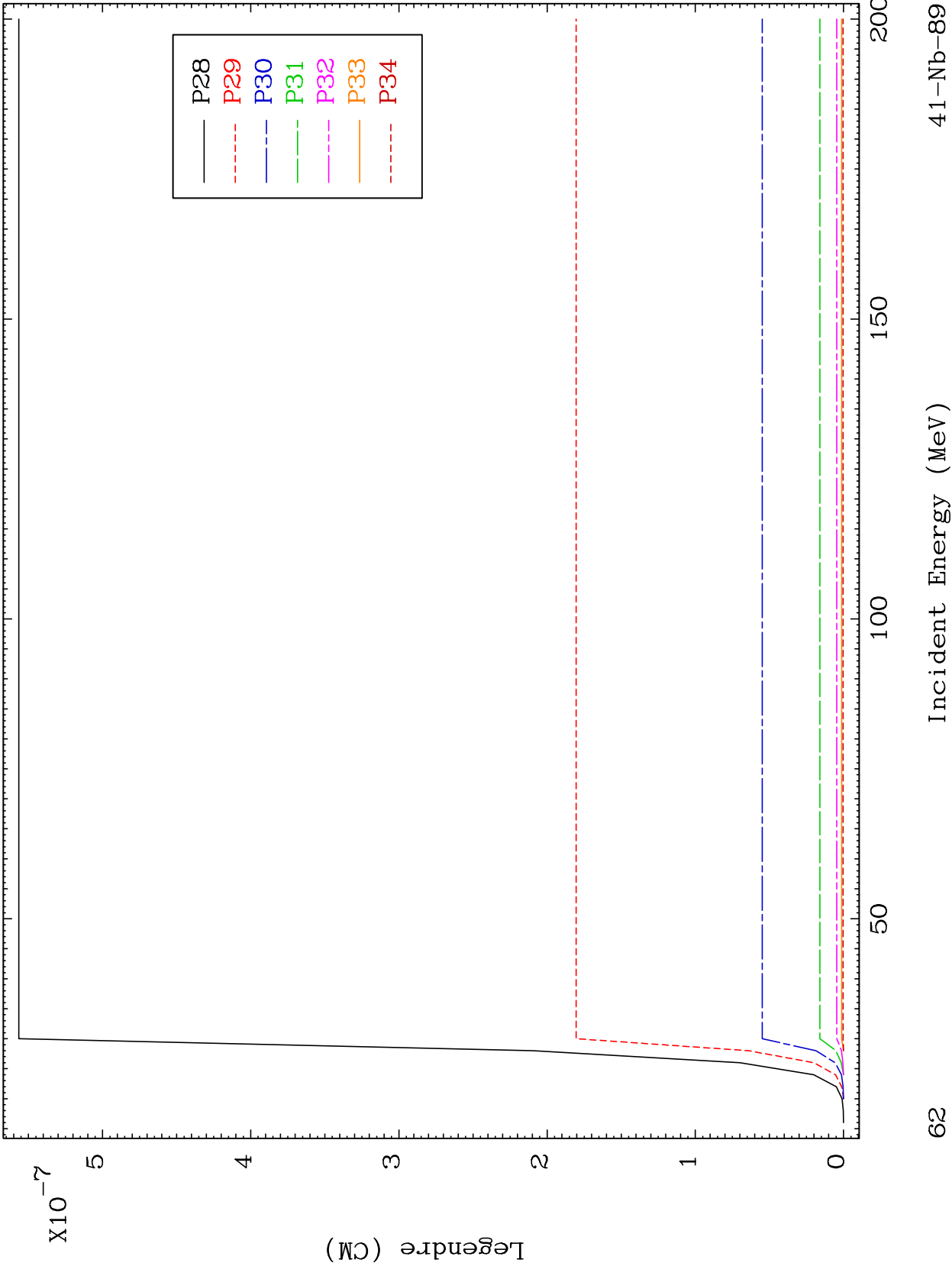
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

41-Nb-89



62

Incident Energy (MeV)

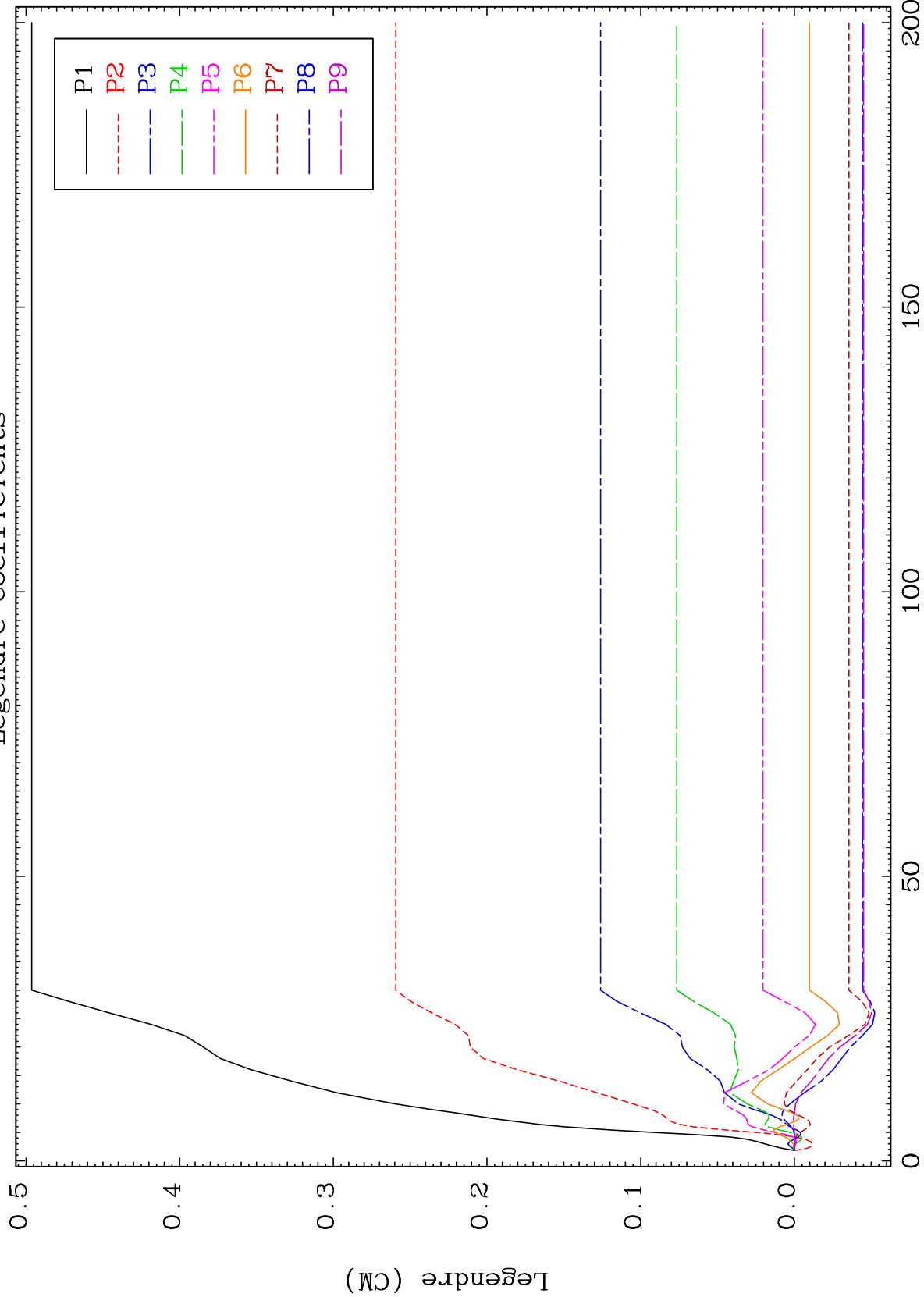
41-Nb-89

MAT 4113

MT= 62 (n,n') Level

41-Nb-89

Legendre Coefficients



63

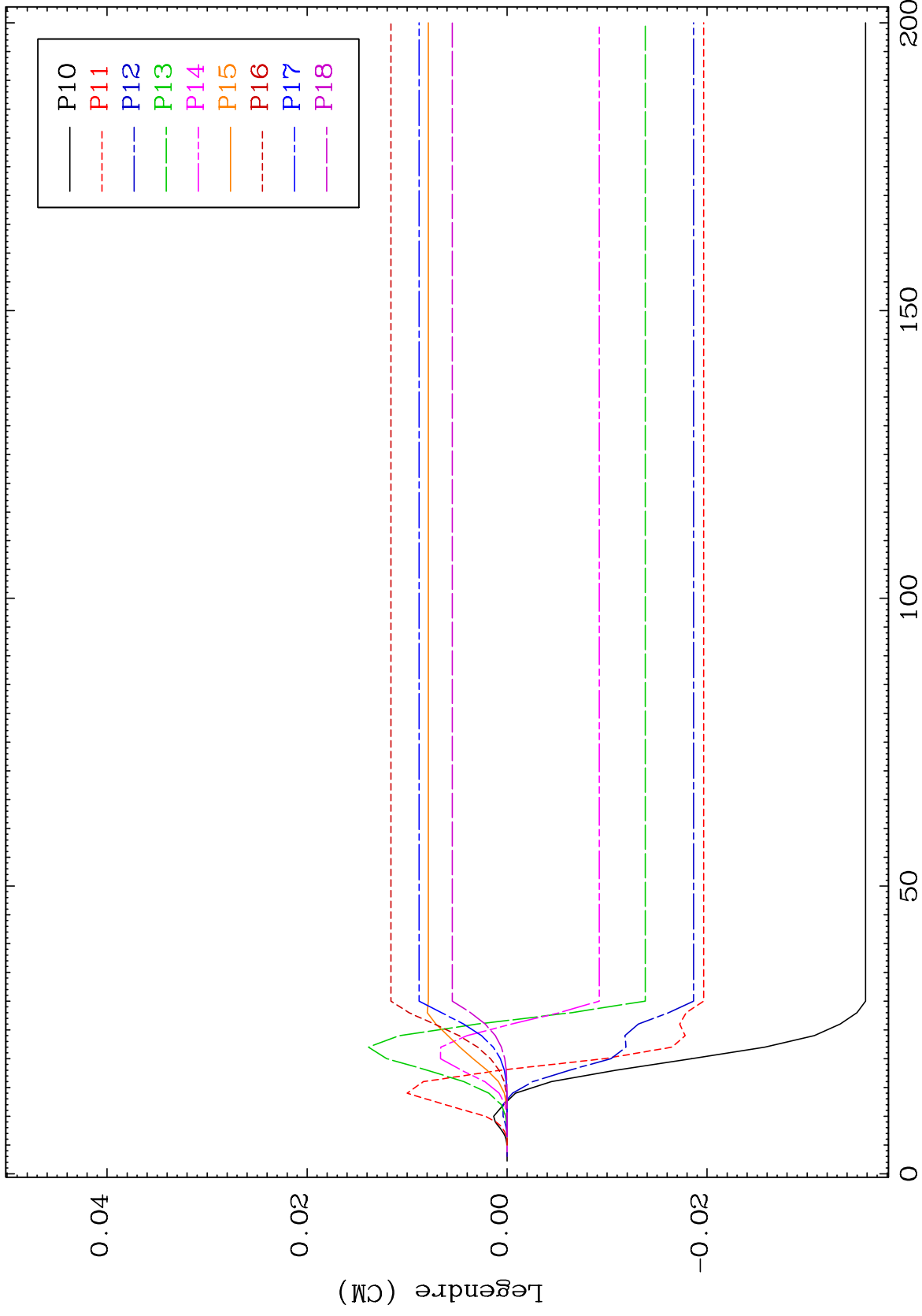
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

41-Nb-89



64

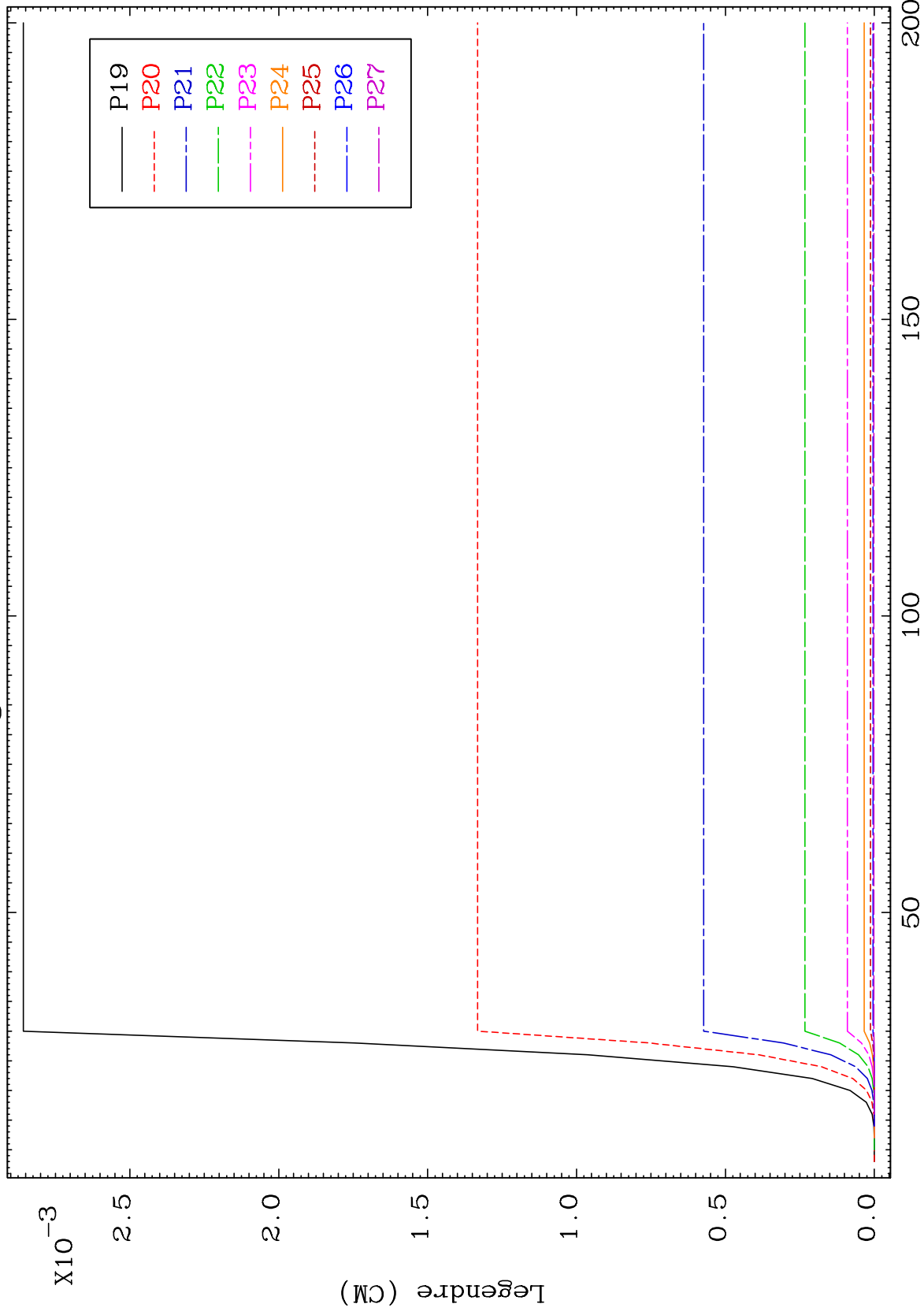
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

41-Nb-89



65

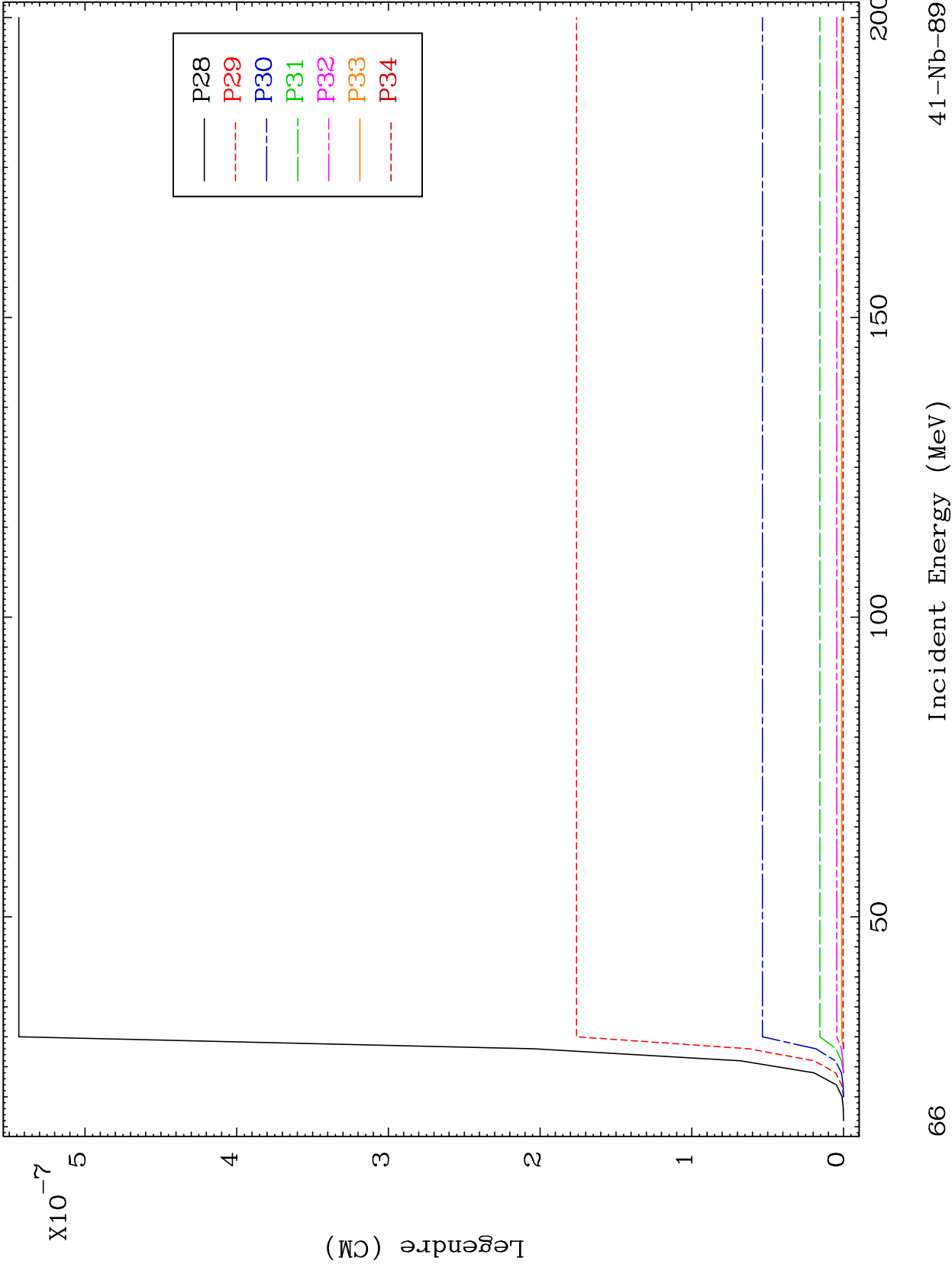
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

41-Nb-89

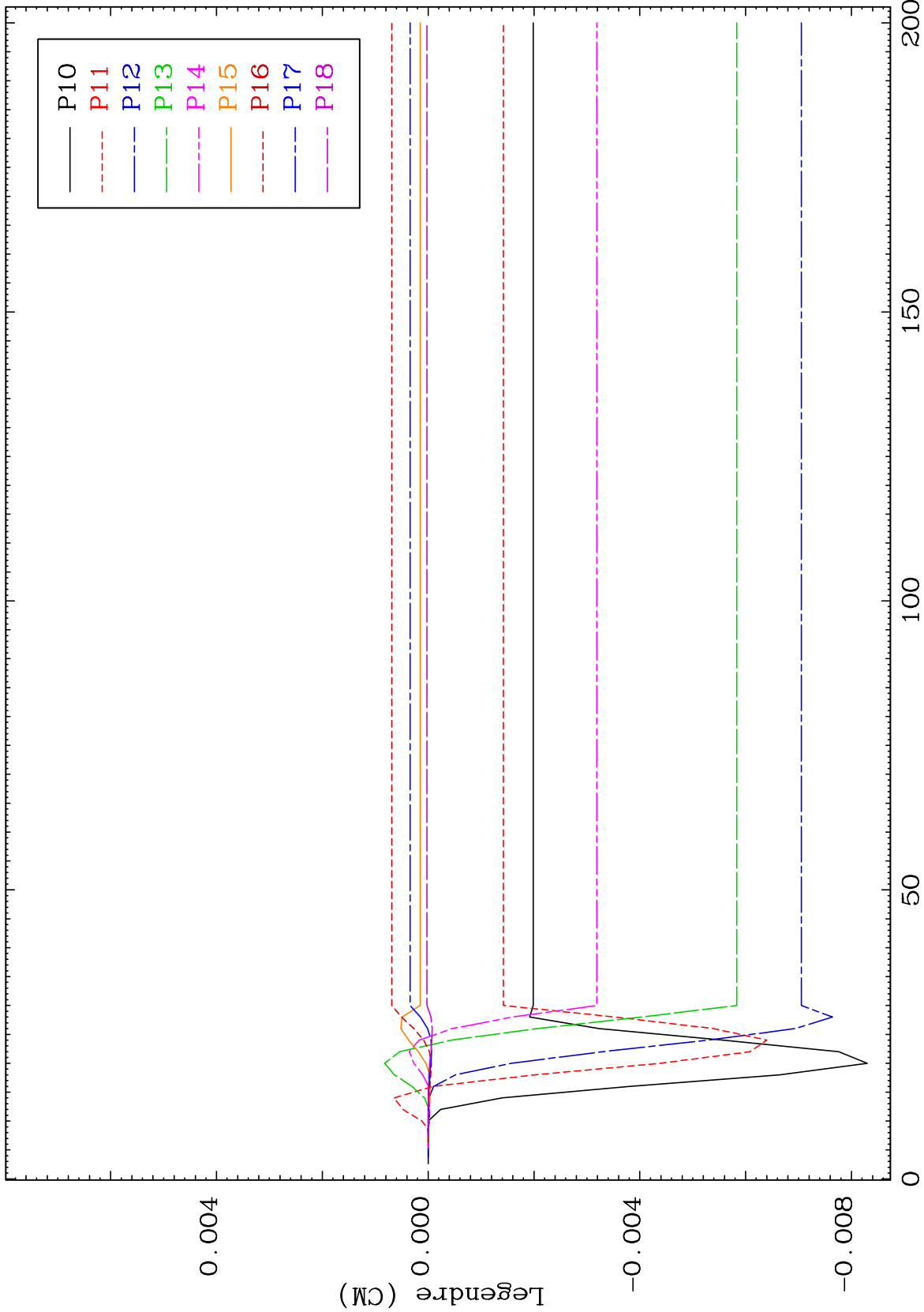




MAT 4113

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

41-Nb-89



68

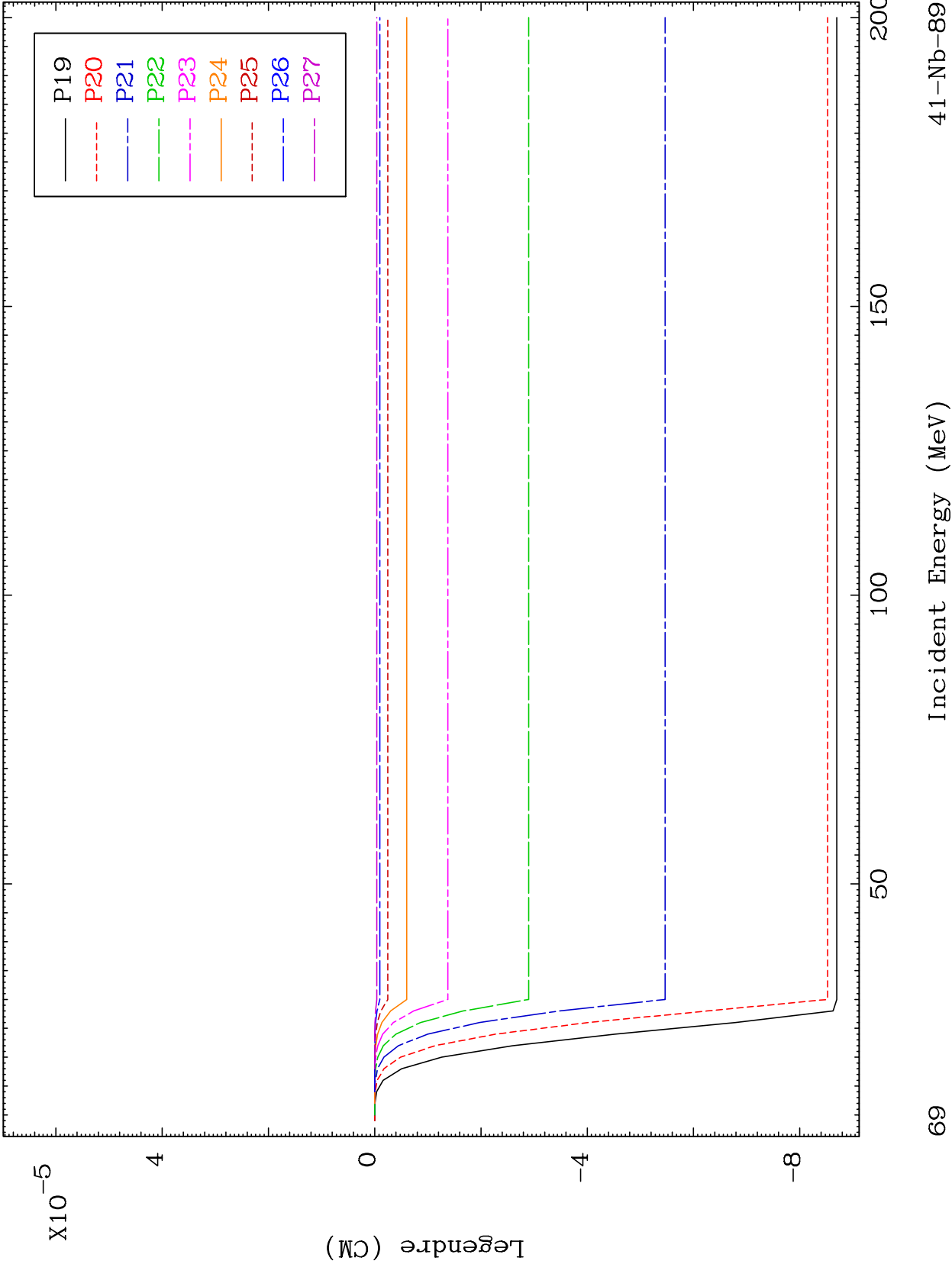
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

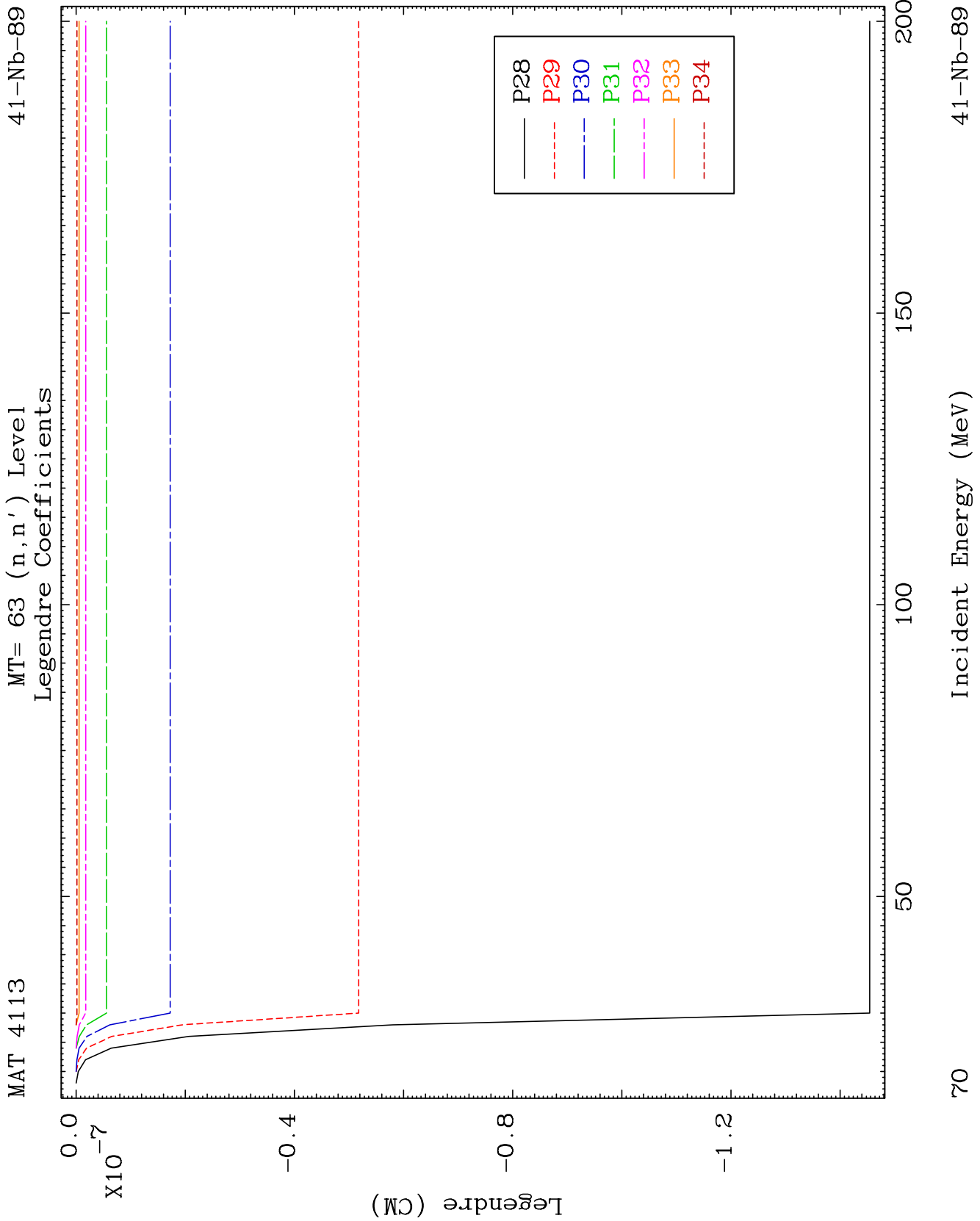
41-Nb-89



69

Incident Energy (MeV)

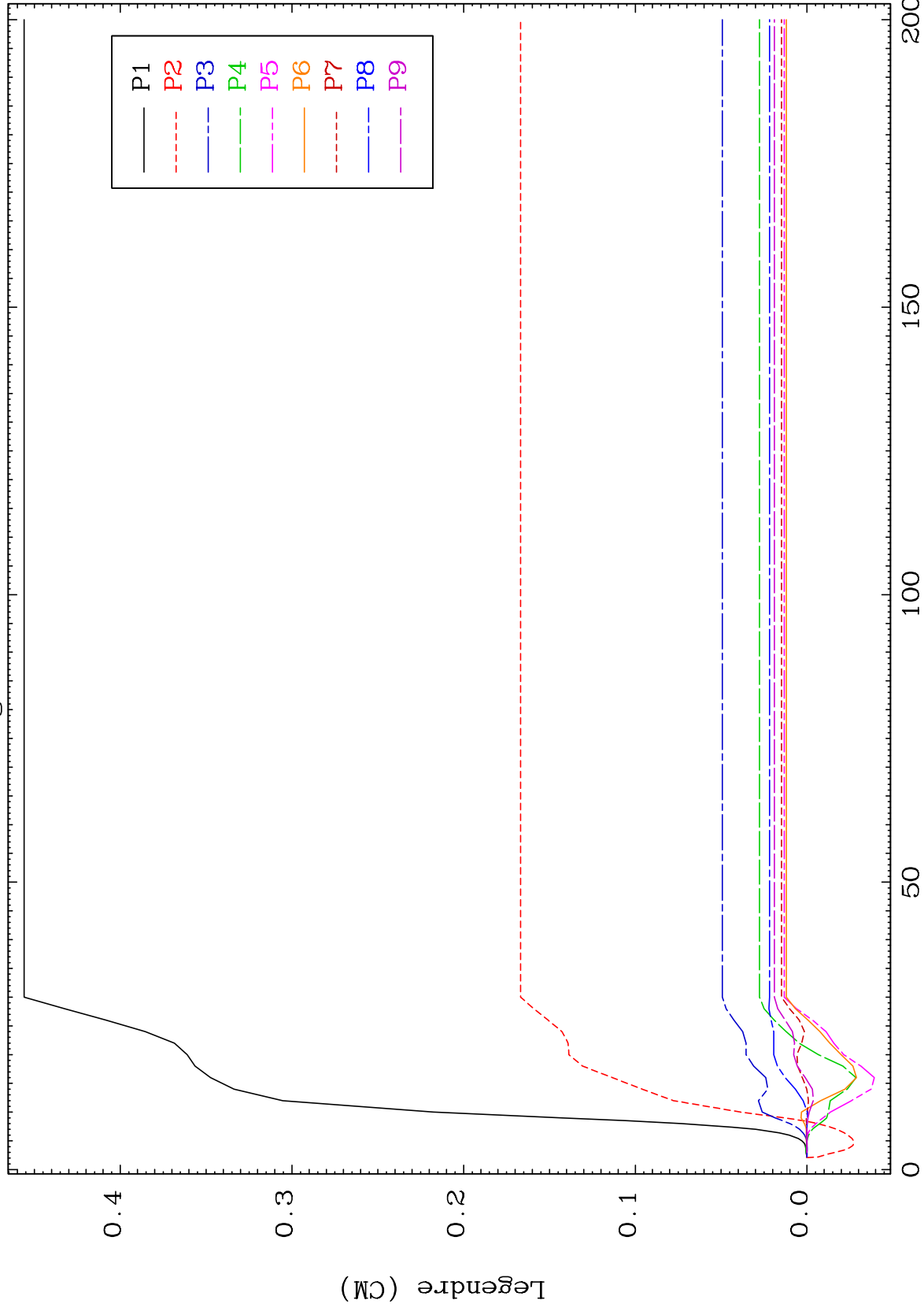
41-Nb-89



MAT 4113

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

41-Nb-89



71

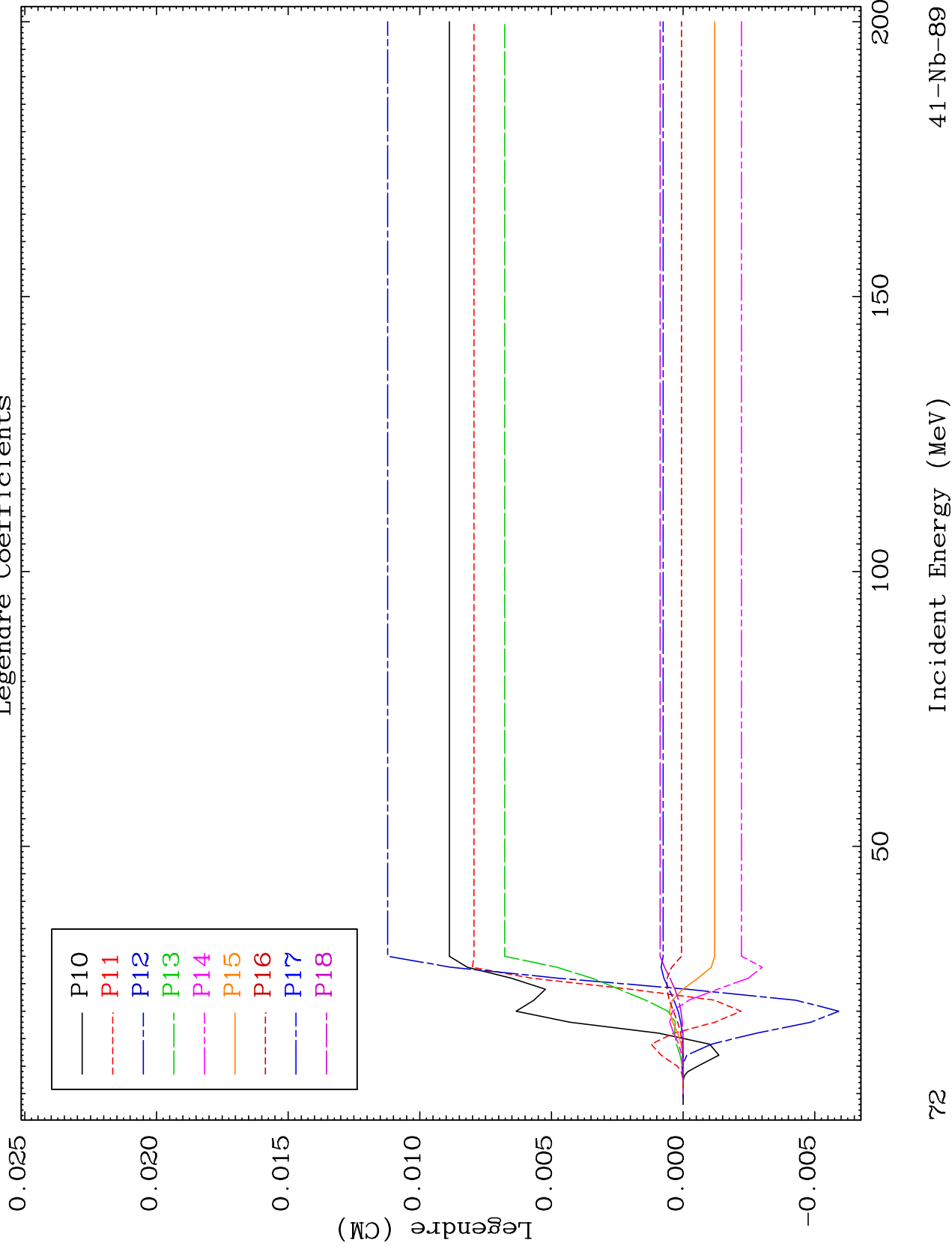
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

41-Nb-89



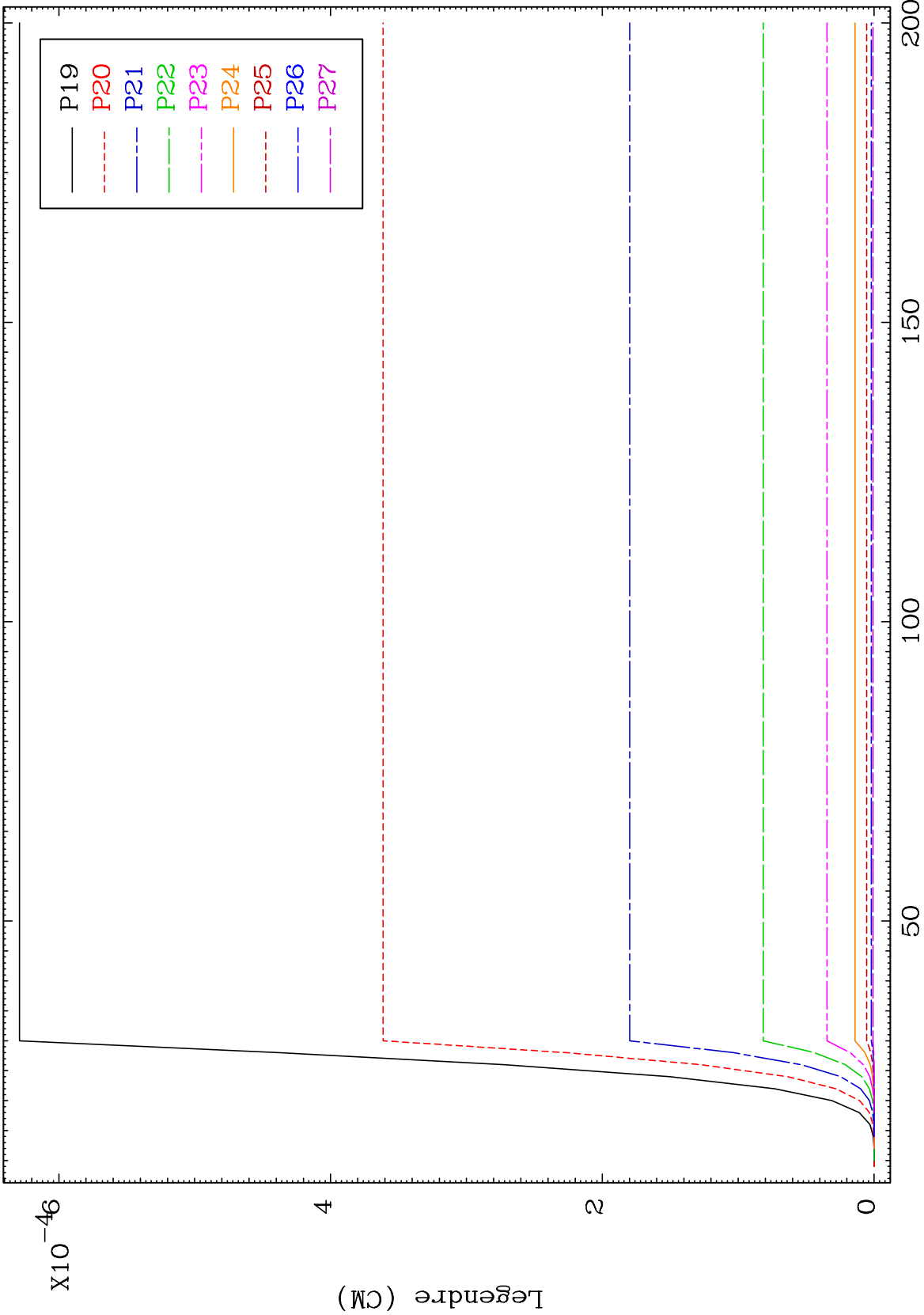
72

41-Nb-89

MAT 4113

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

41-Nb-89



73

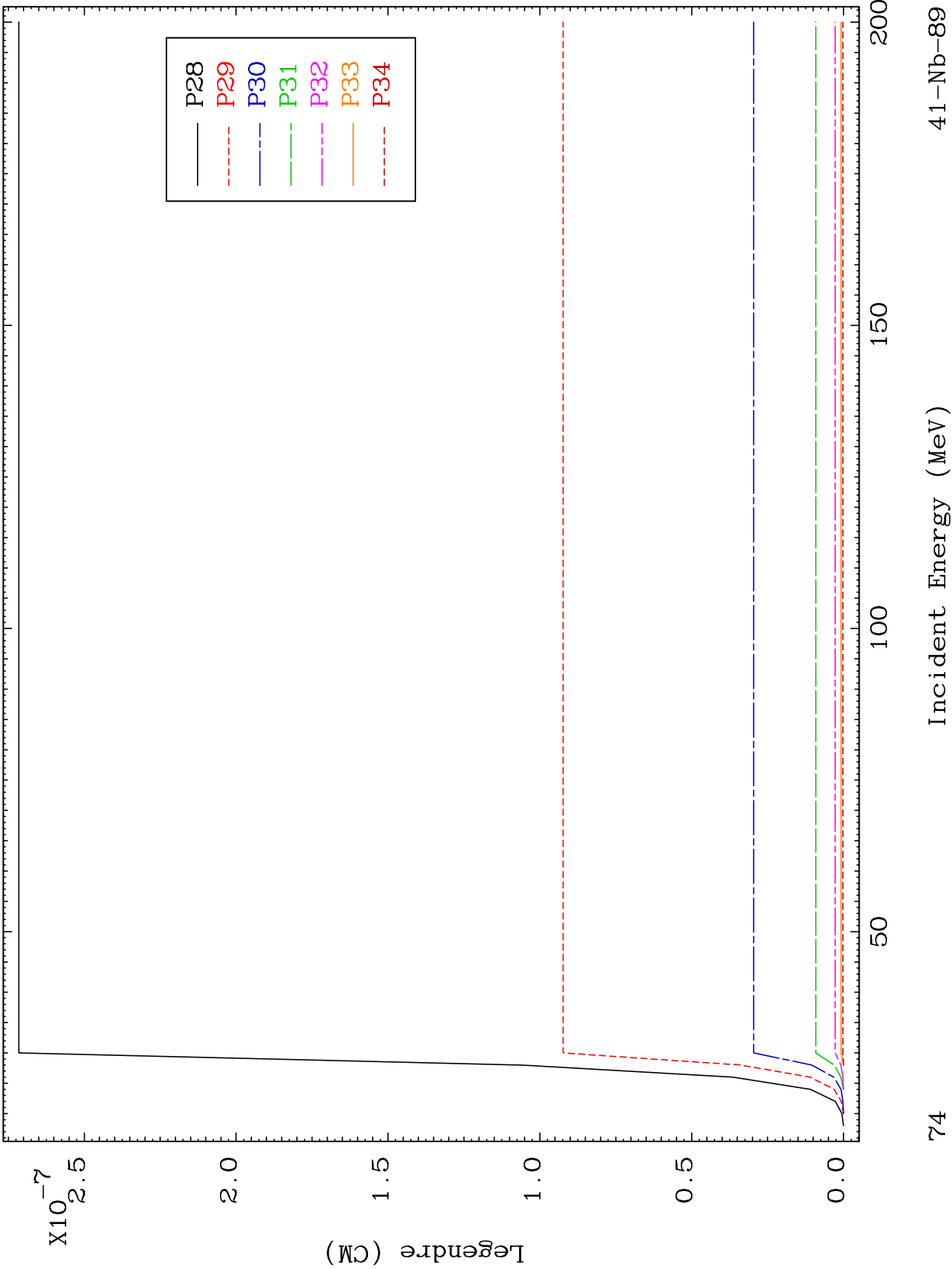
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

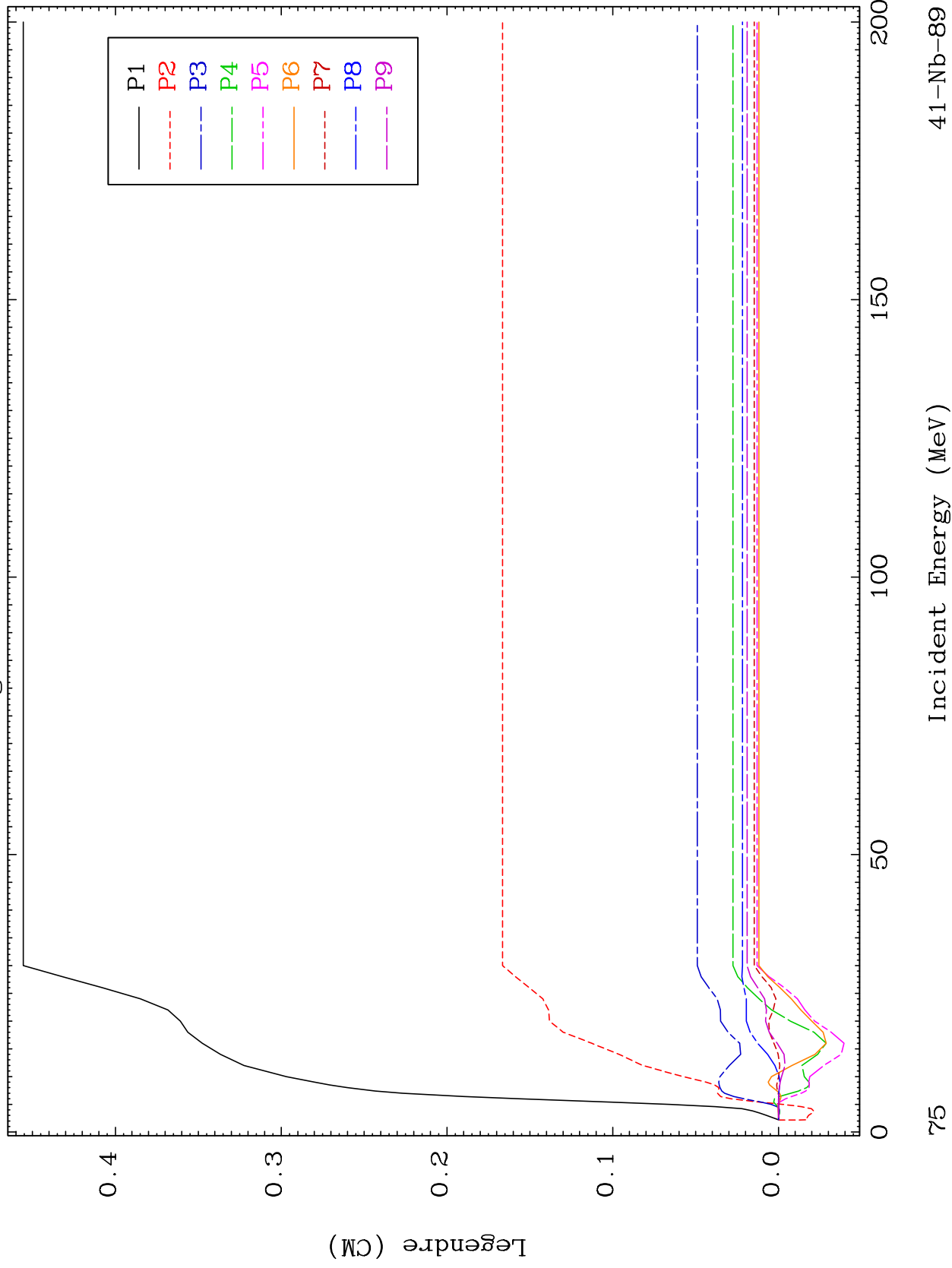
41-Nb-89



MAT 4113

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

41-Nb-89



41-Nb-89

Incident Energy (MeV)

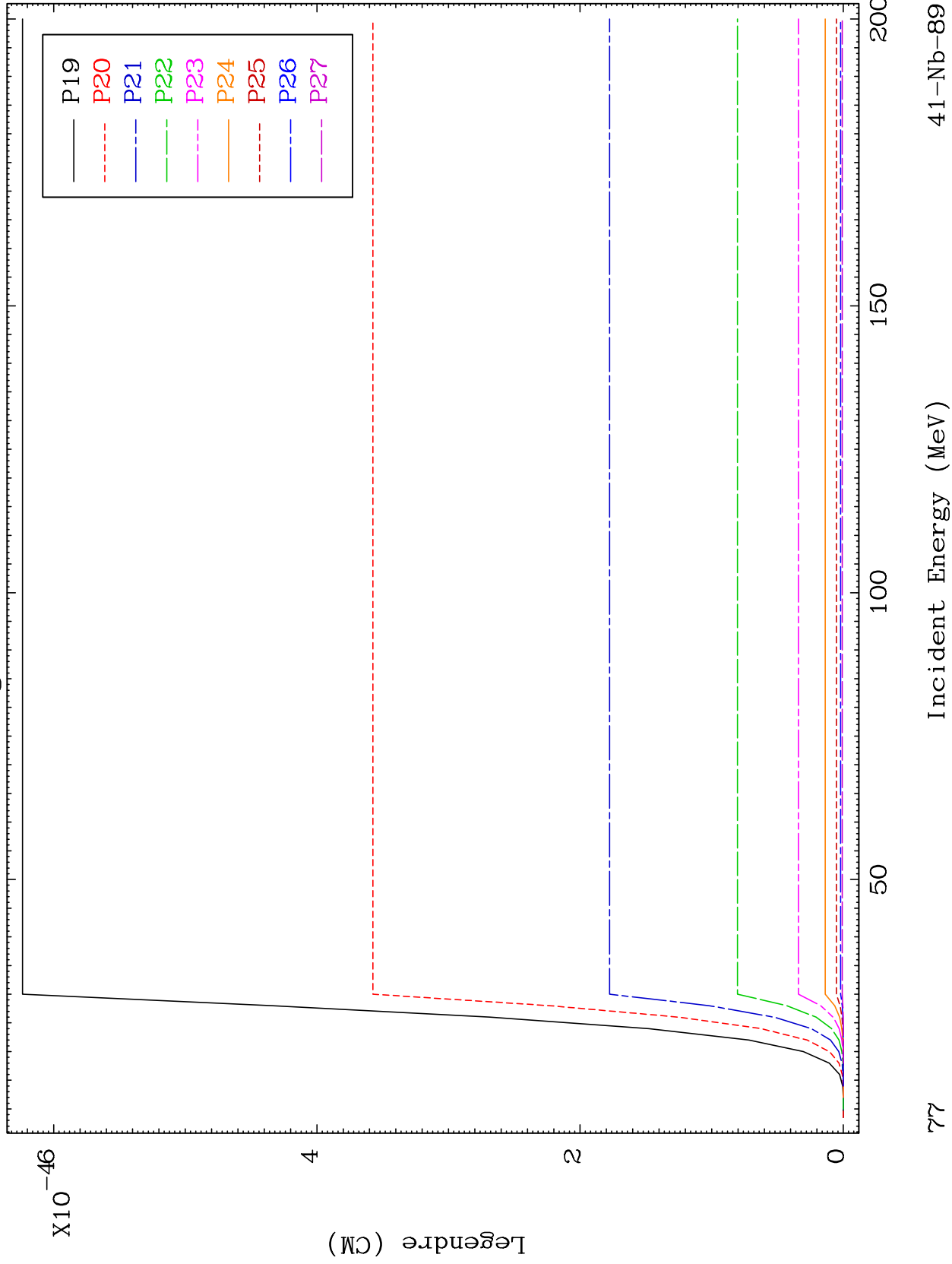
75



MAT 4113

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

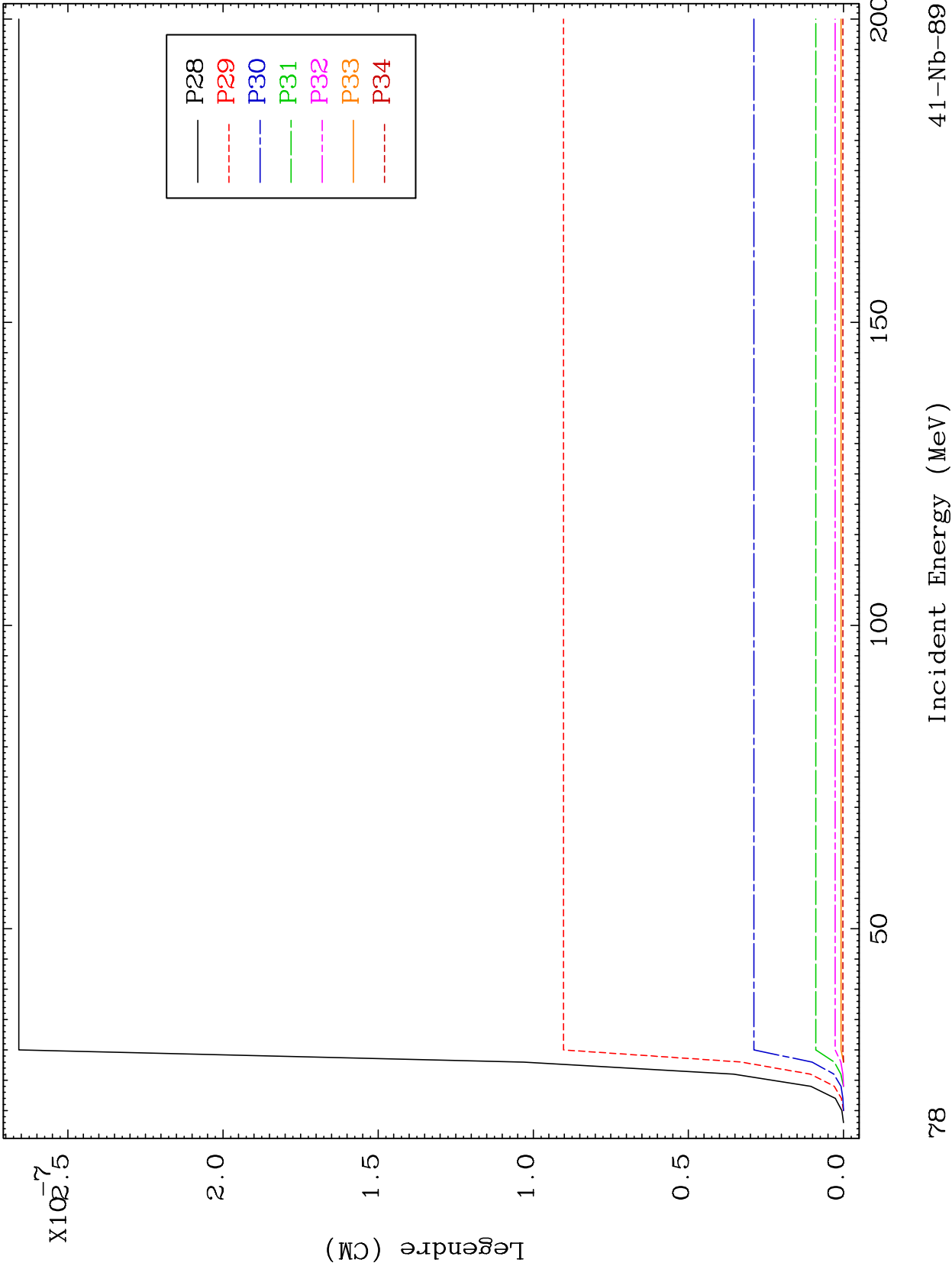
41-Nb-89



MAT 4113

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

41-Nb-89



78

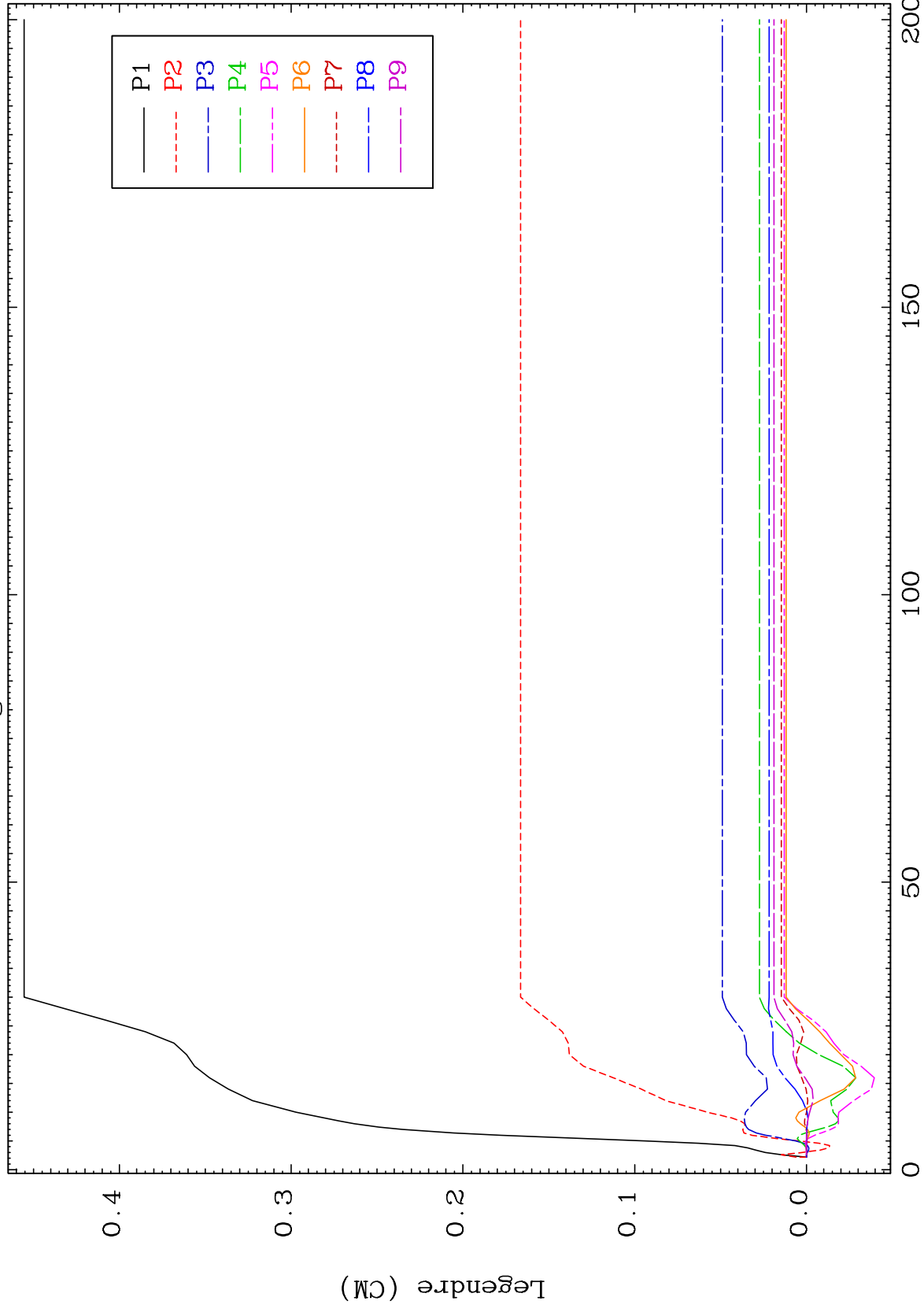
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

41-Nb-89



79

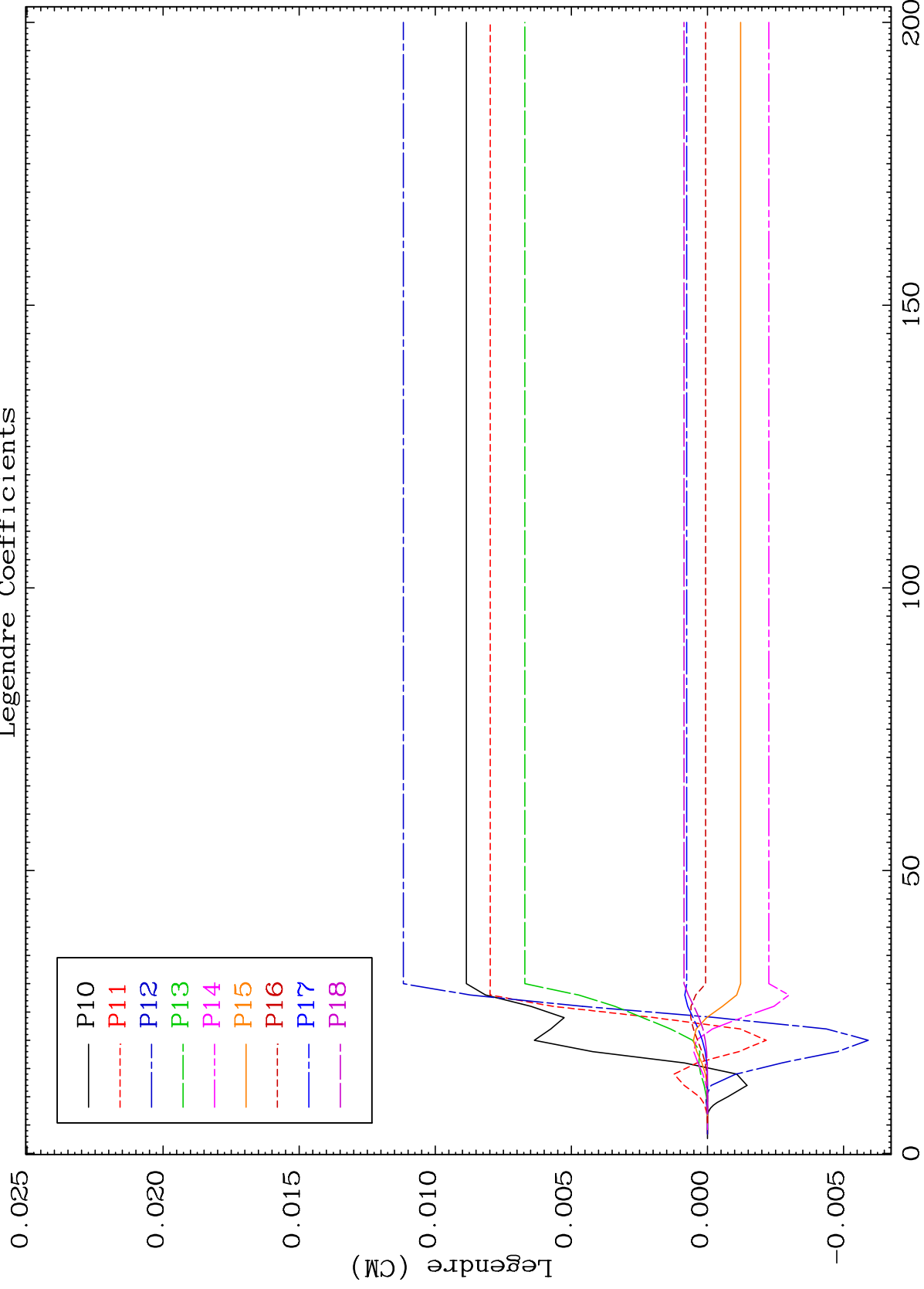
Incident Energy (MeV)

41-Nb-89

MAT 4113

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

41-Nb-89



80

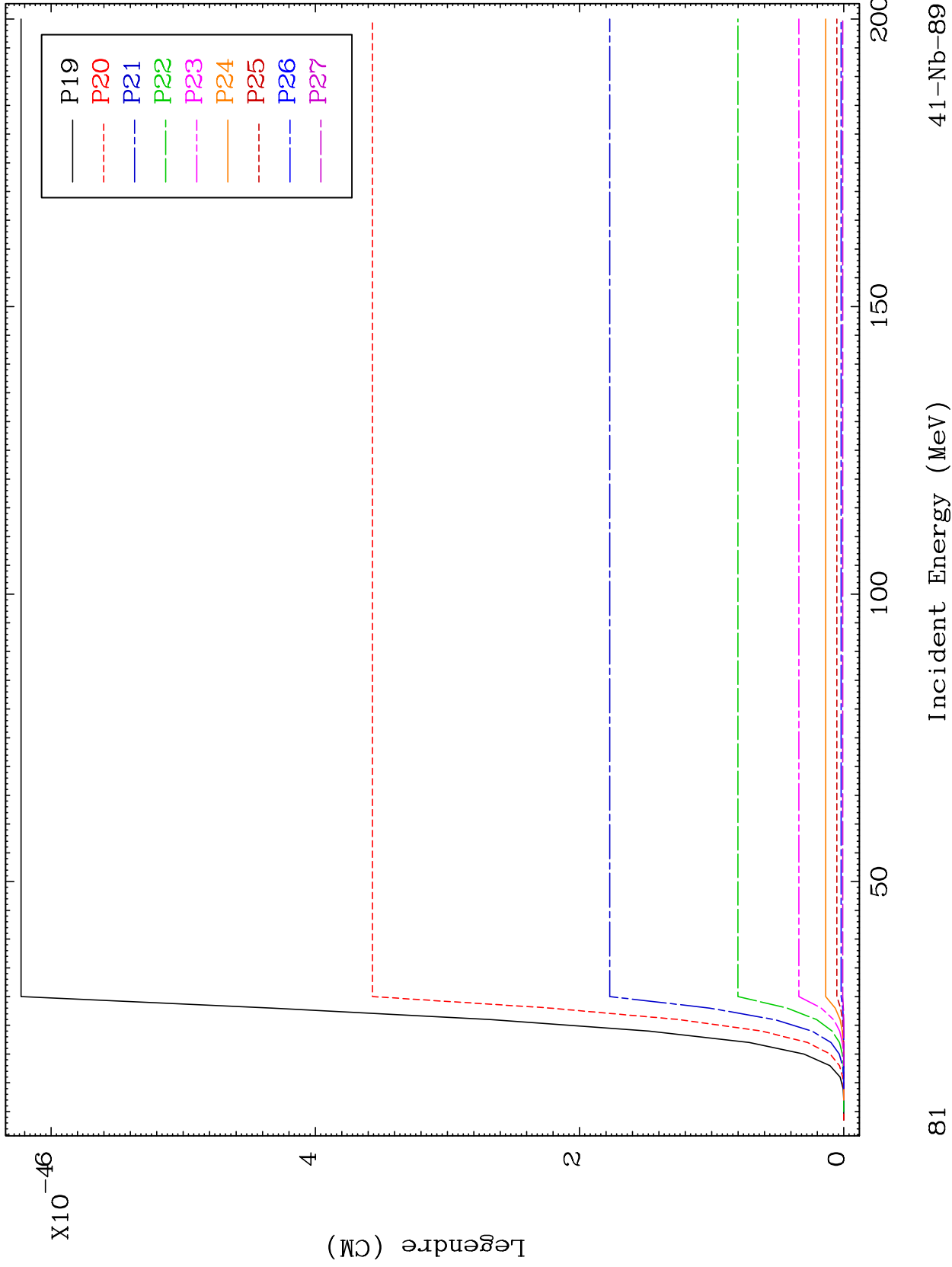
Incident Energy (MeV)

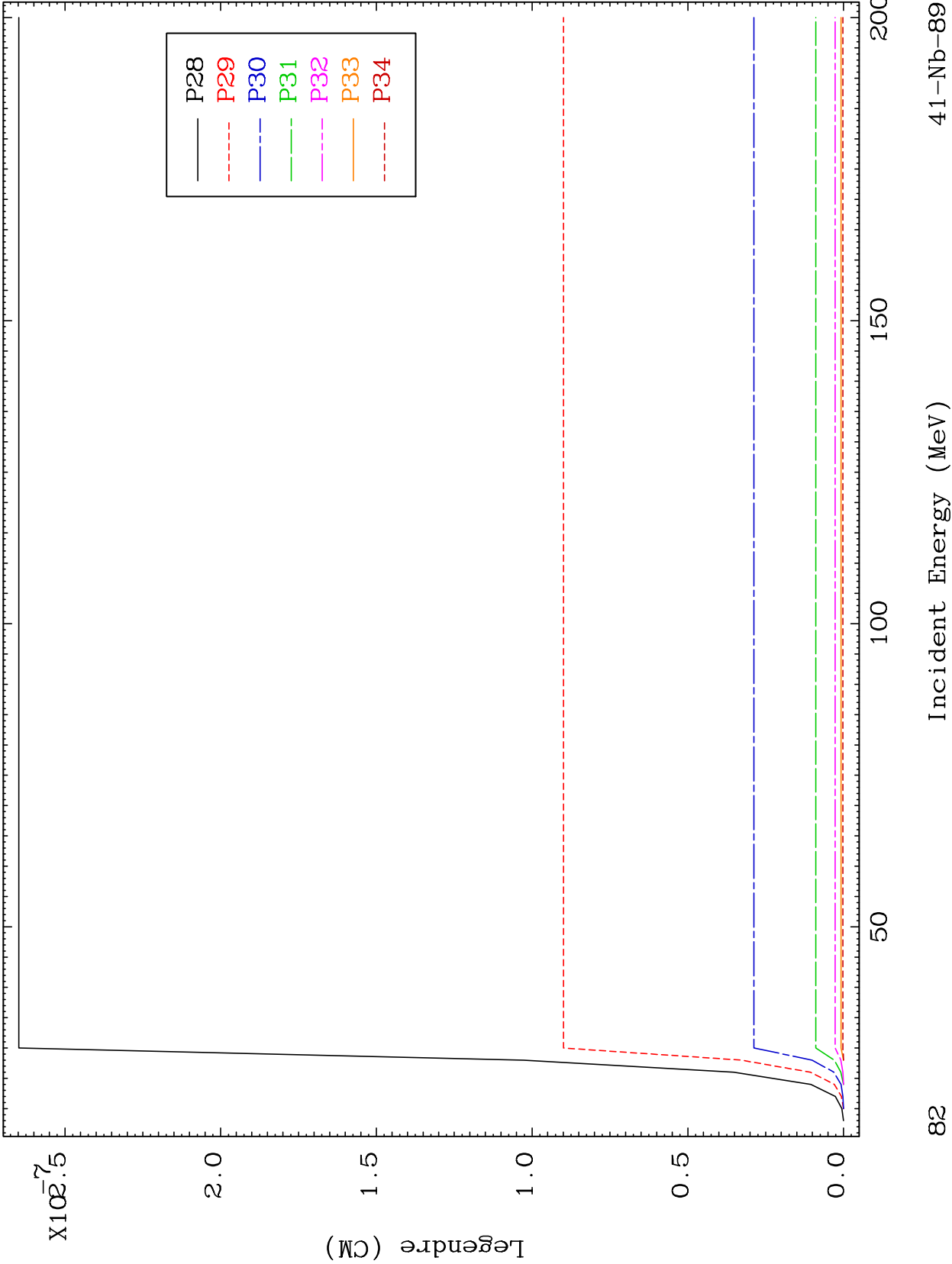
41-Nb-89

MAT 4113

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

41-Nb-89

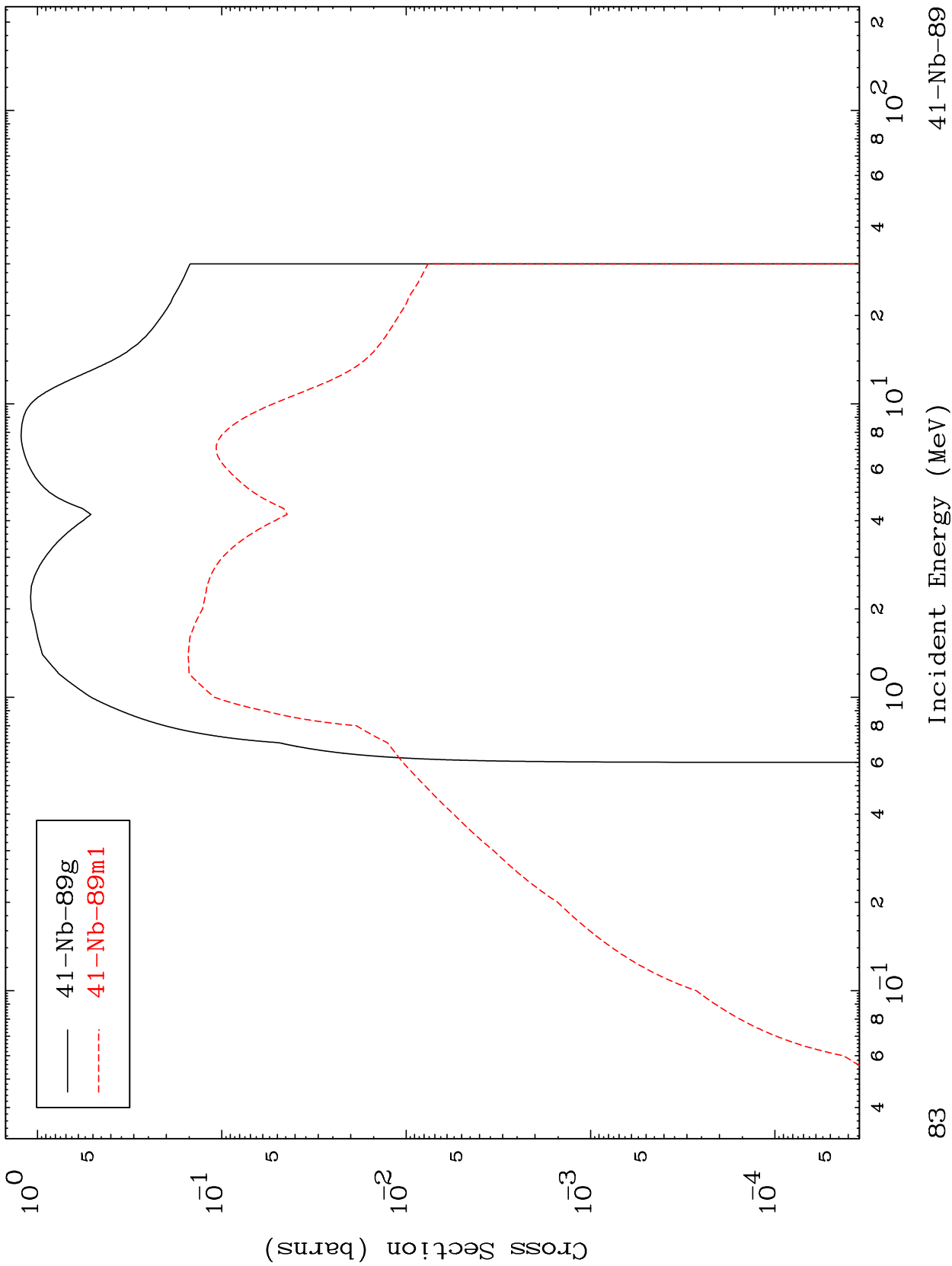




MAT 4113

41-Nb-89

Inelastic  
Radionuclide Production Cross Section



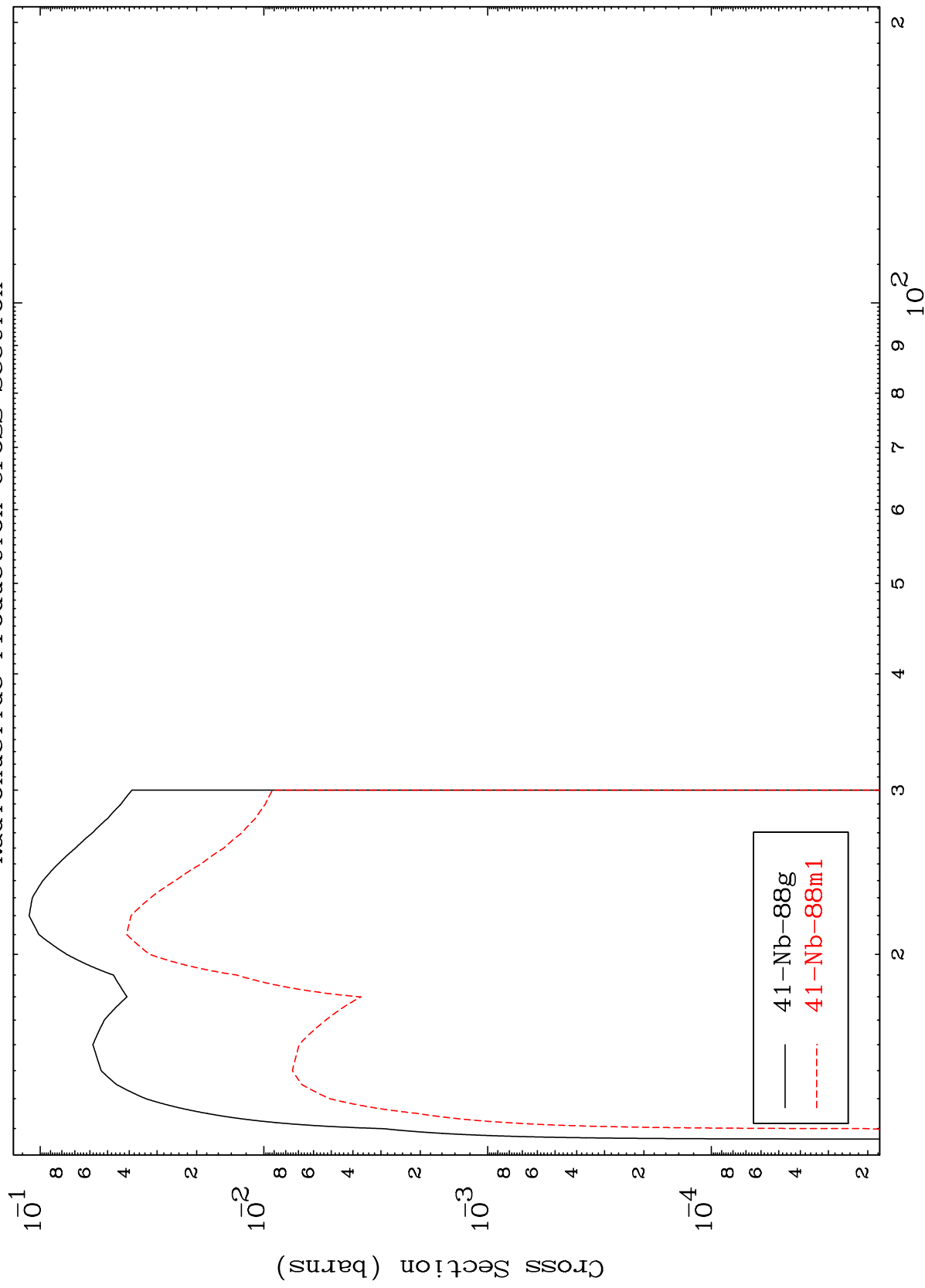
83

41-Nb-89

MAT 4113

41-Nb-89

Radionuclide Production Cross Section  
(n,2n)



84

Incident Energy (MeV)

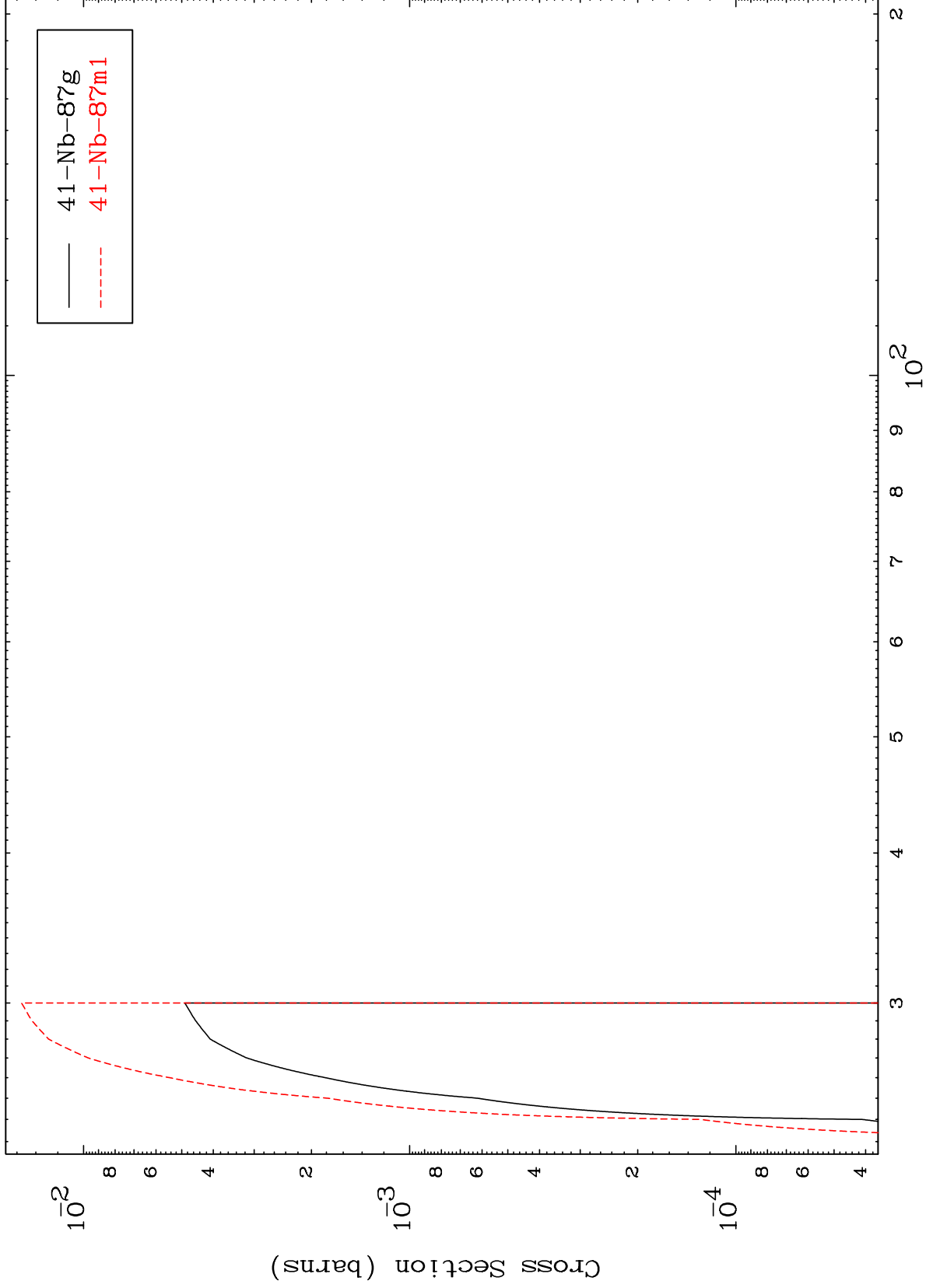
41-Nb-89

MAT 4113

(n,3n)

41-Nb-89

Radionuclide Production Cross Section



85

Incident Energy (MeV)

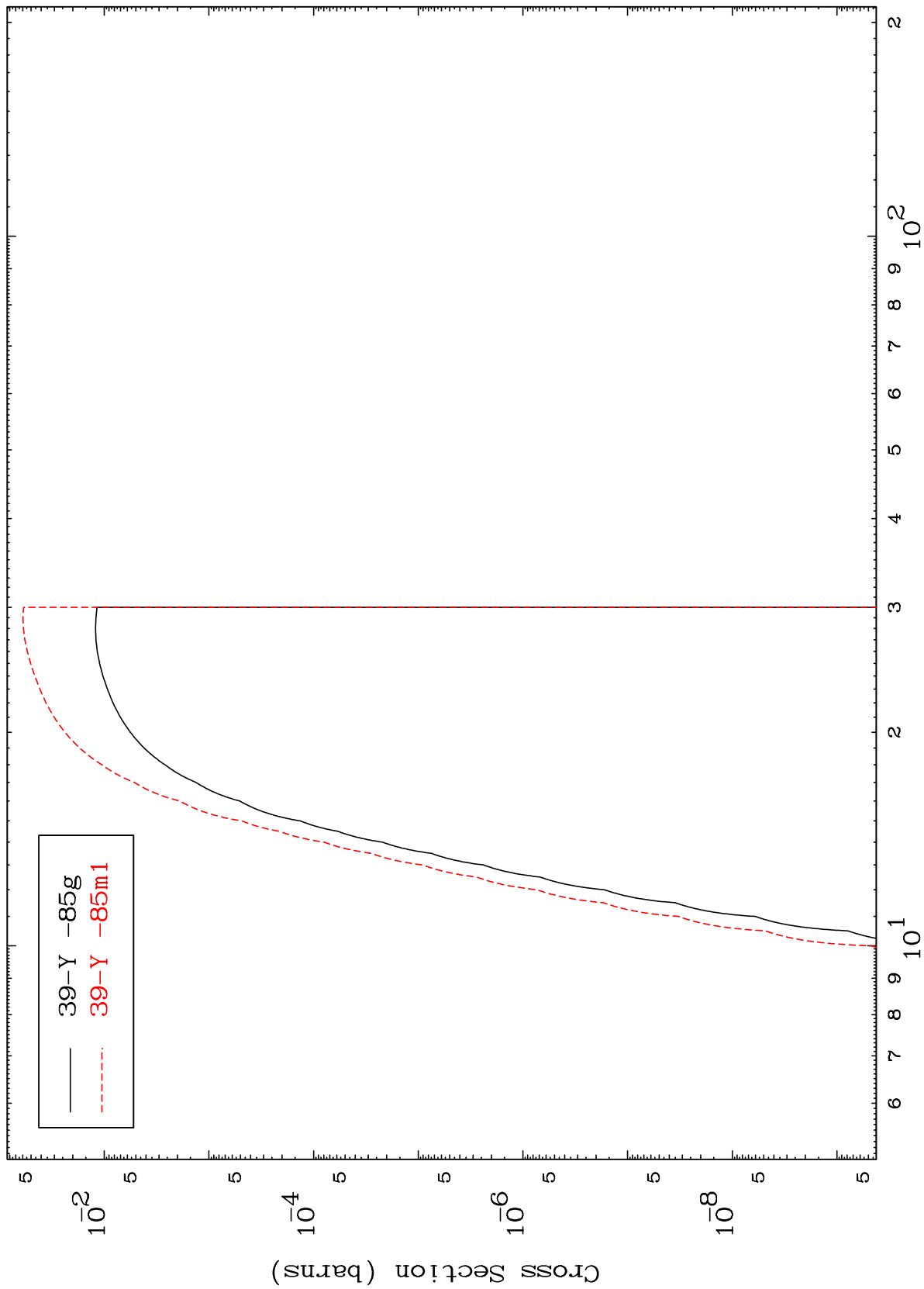
41-Nb-89

MAT 4113

(n,n')  $\alpha$

41-Nb-89

Radionuclide Production Cross Section

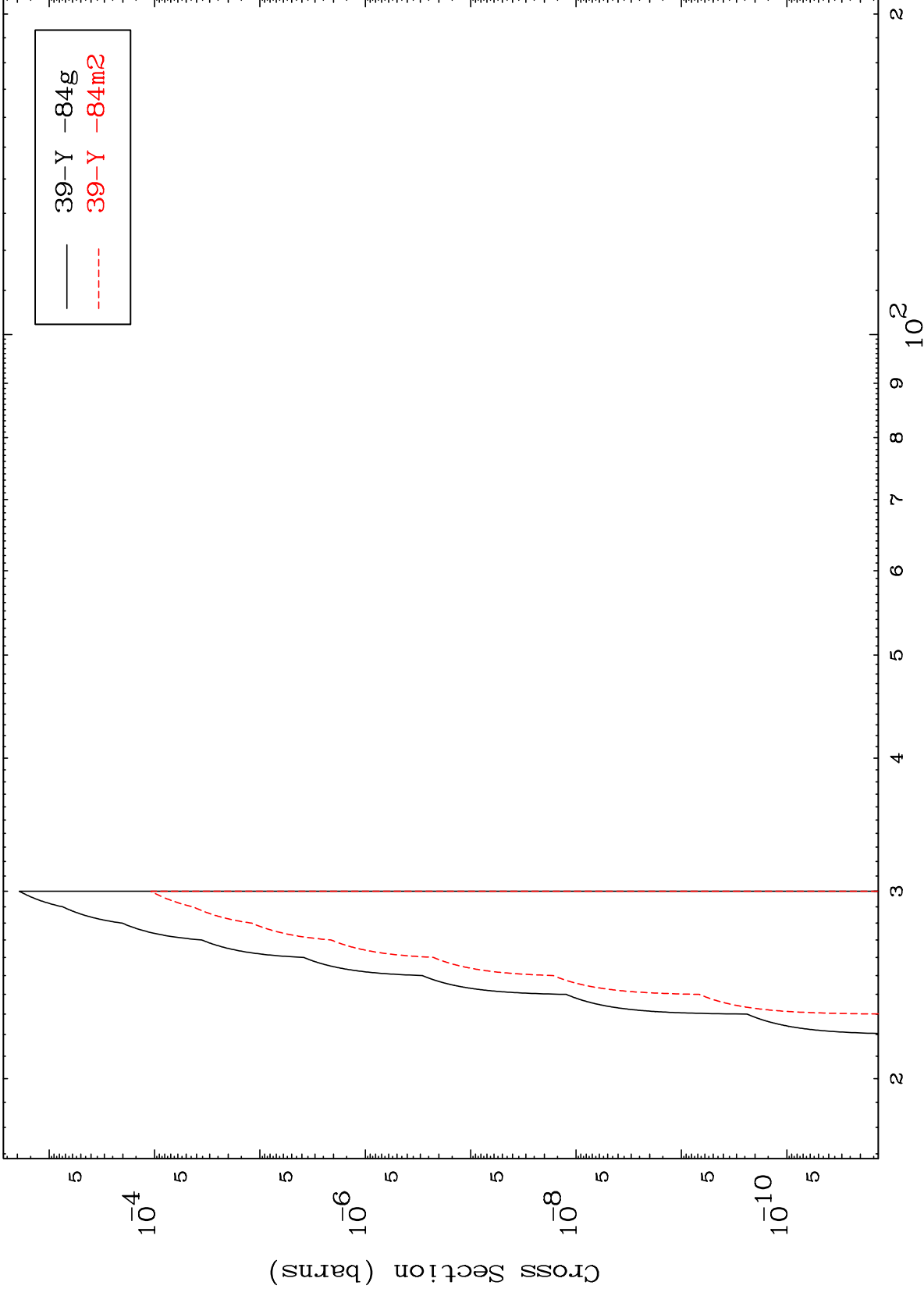


86

Incident Energy (MeV)

41-Nb-89

Radionuclide Production Cross Section

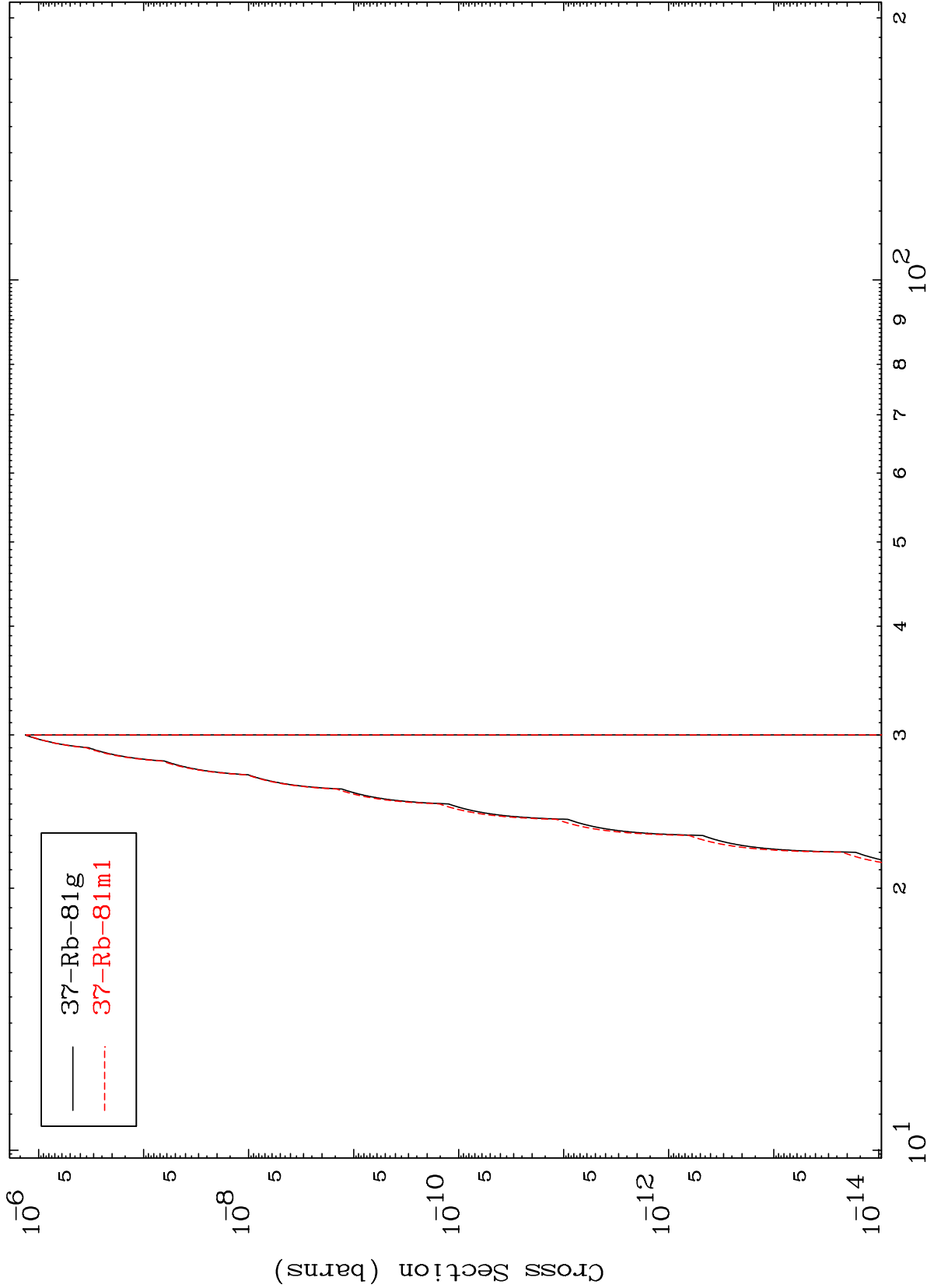


MAT 4113

(n,n') 2α

41-Nb-89

Radionuclide Production Cross Section



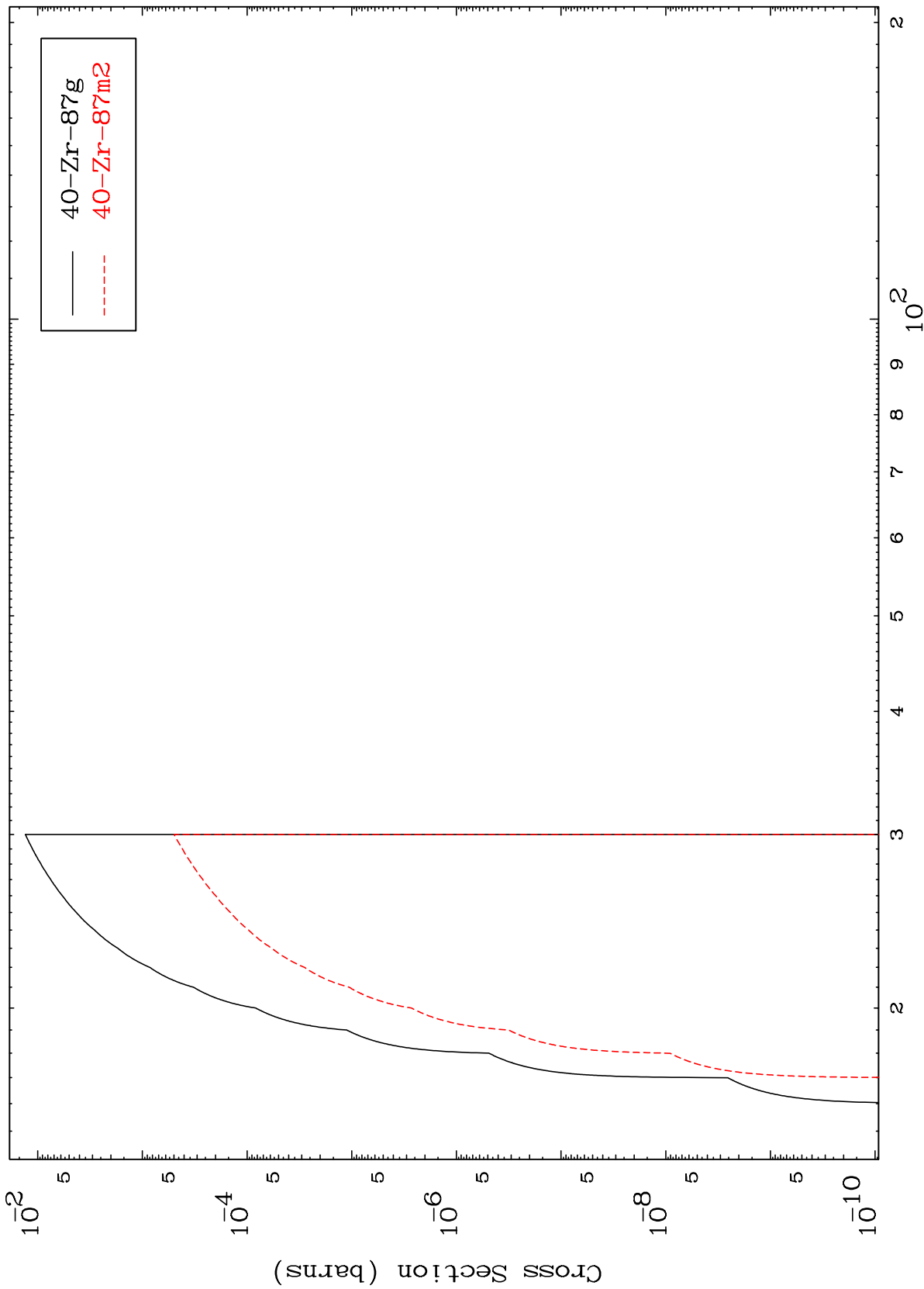
37-Rb-81g  
37-Rb-81m1

88

Incident Energy (MeV)

41-Nb-89

Radionuclide Production Cross Section

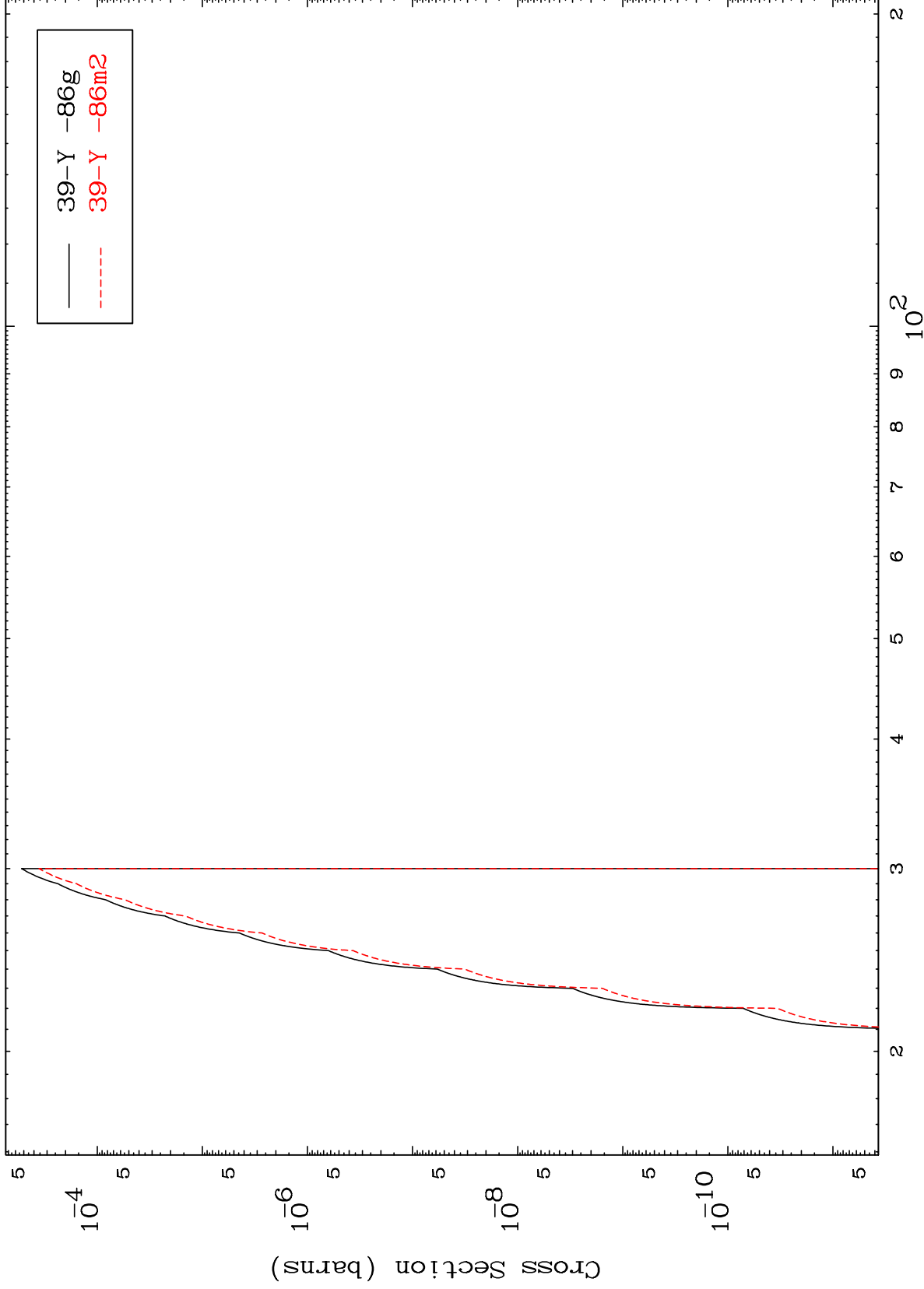


MAT 4113

(n,n') He-3

41-Nb-89

Radionuclide Production Cross Section

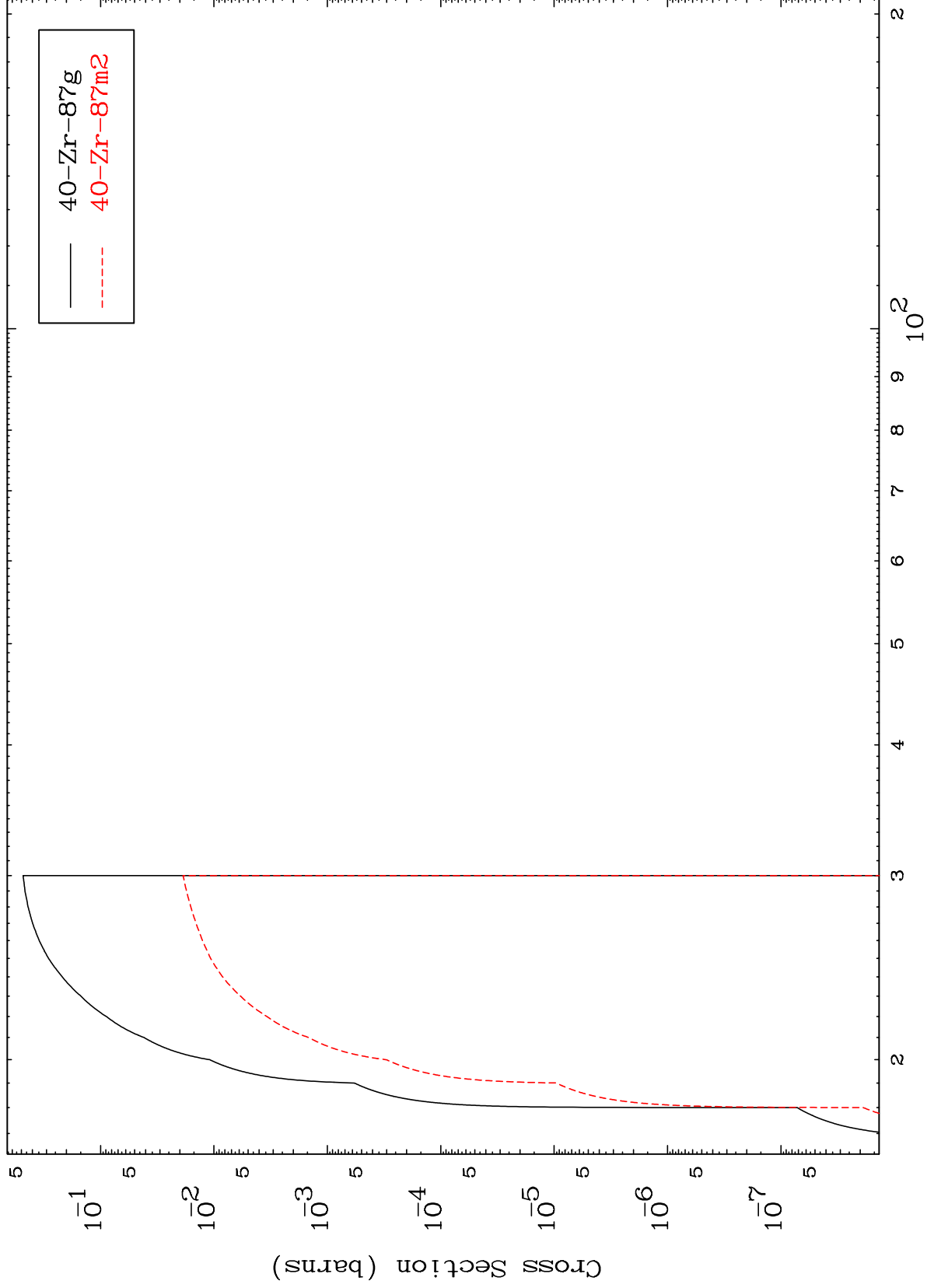


90

Incident Energy (MeV)

41-Nb-89

Radionuclide Production Cross Section

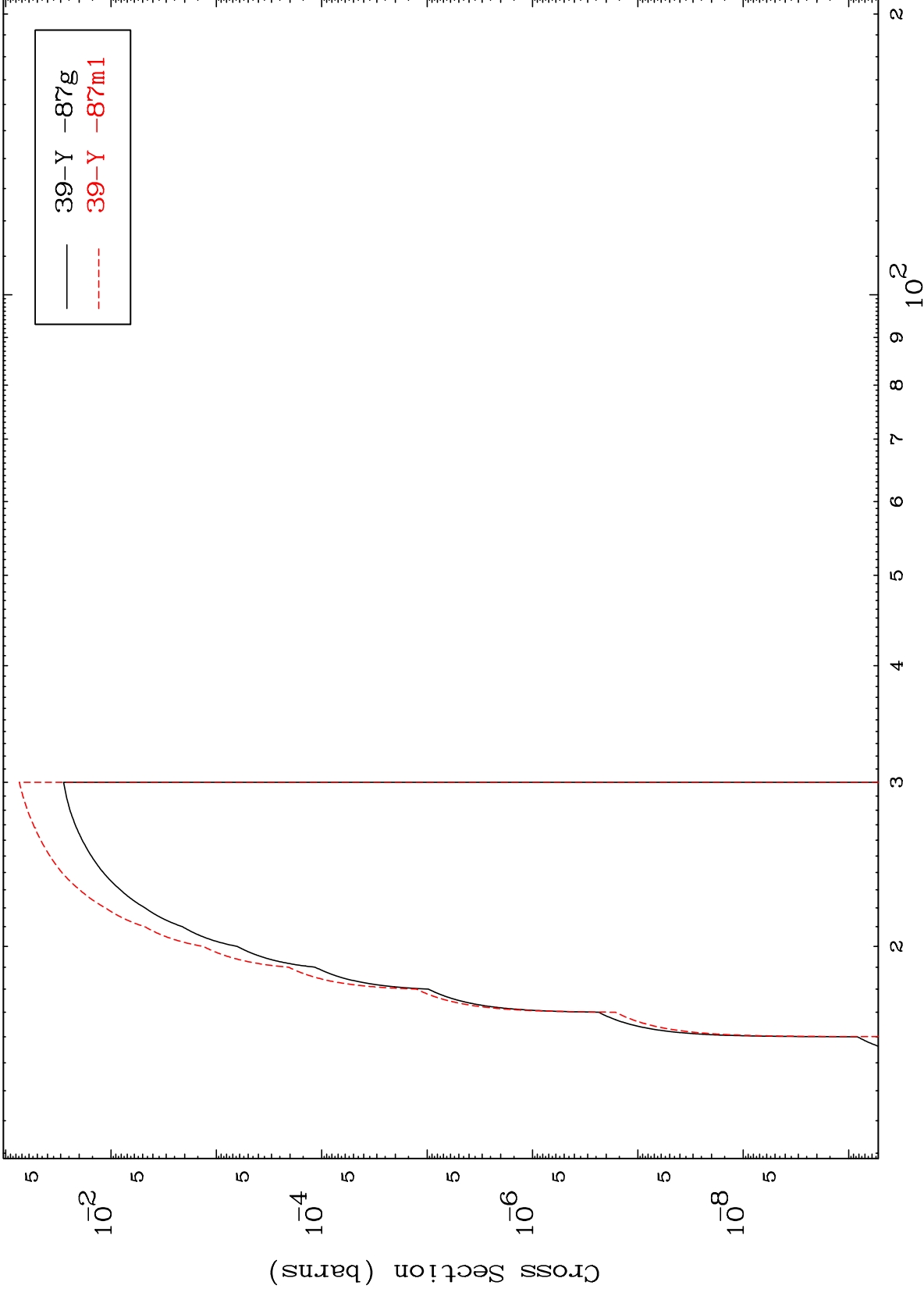


MAT 4113

(n,2n) p

41-Nb-89

Radionuclide Production Cross Section



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

92

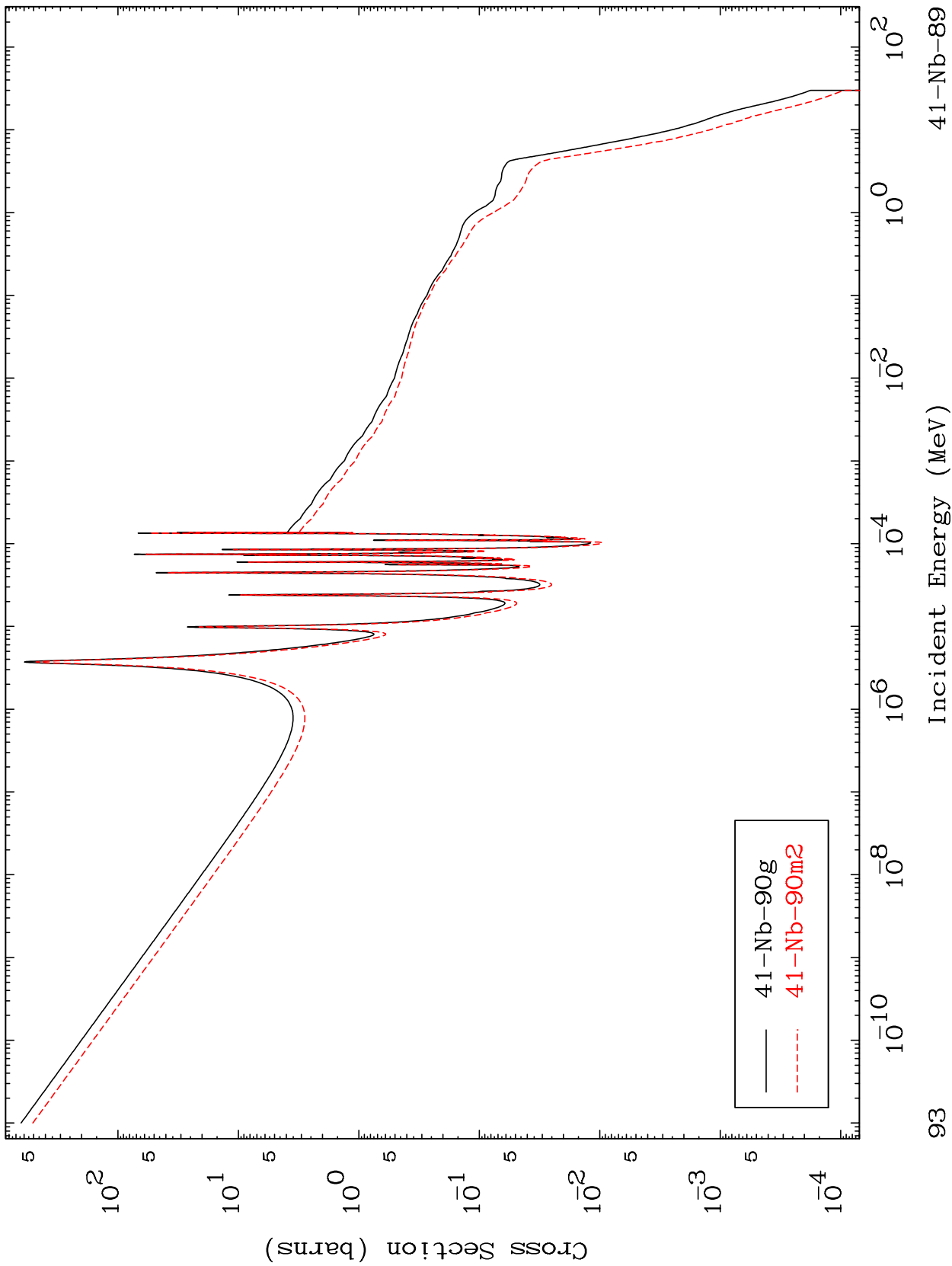
Incident Energy (MeV)

41-Nb-89

MAT 4113

41-Nb-89

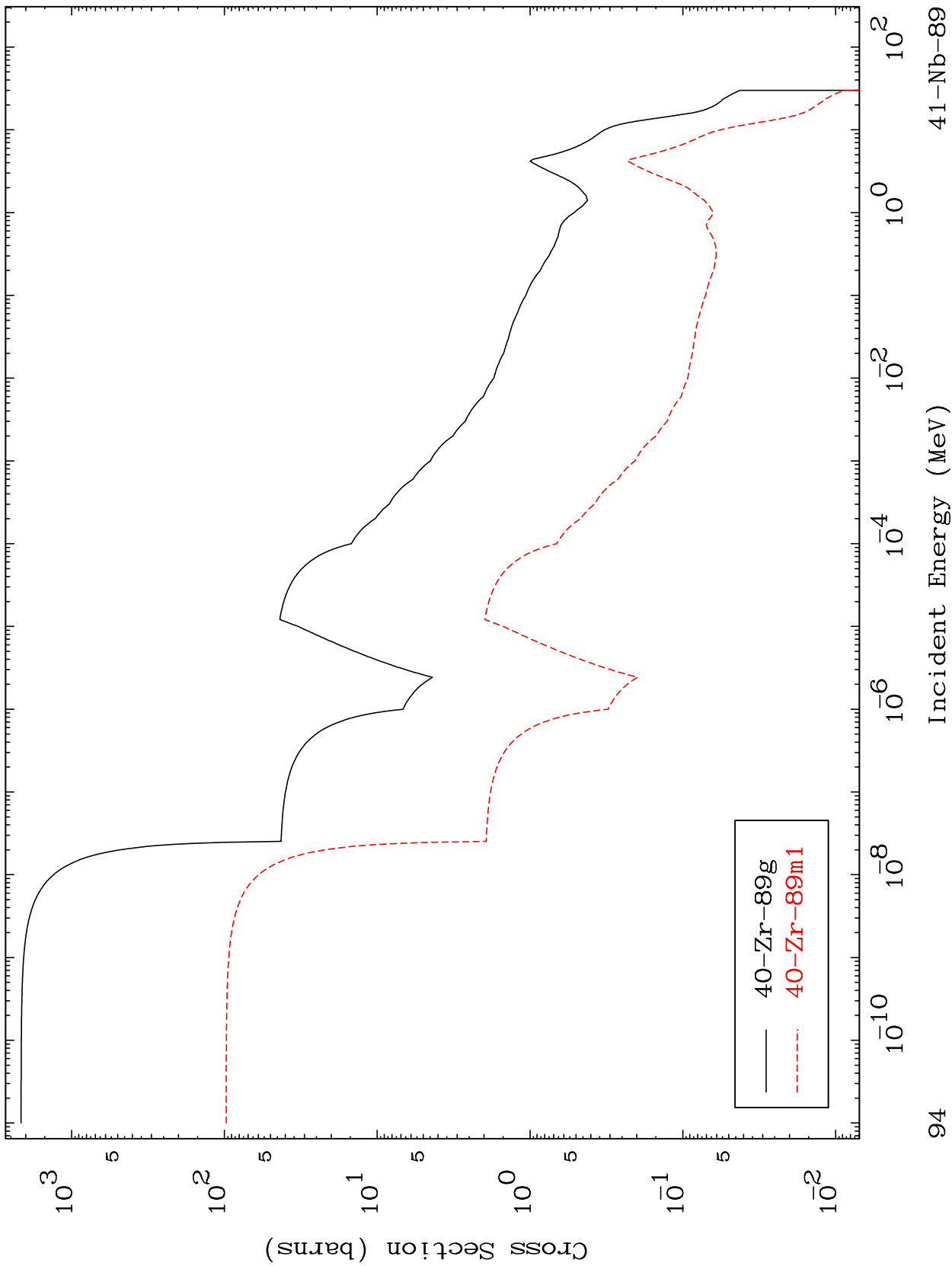
$(n, \gamma)$   
Radionuclide Production Cross Section



MAT 4113

41-Nb-89

(n,p)  
Radionuclide Production Cross Section

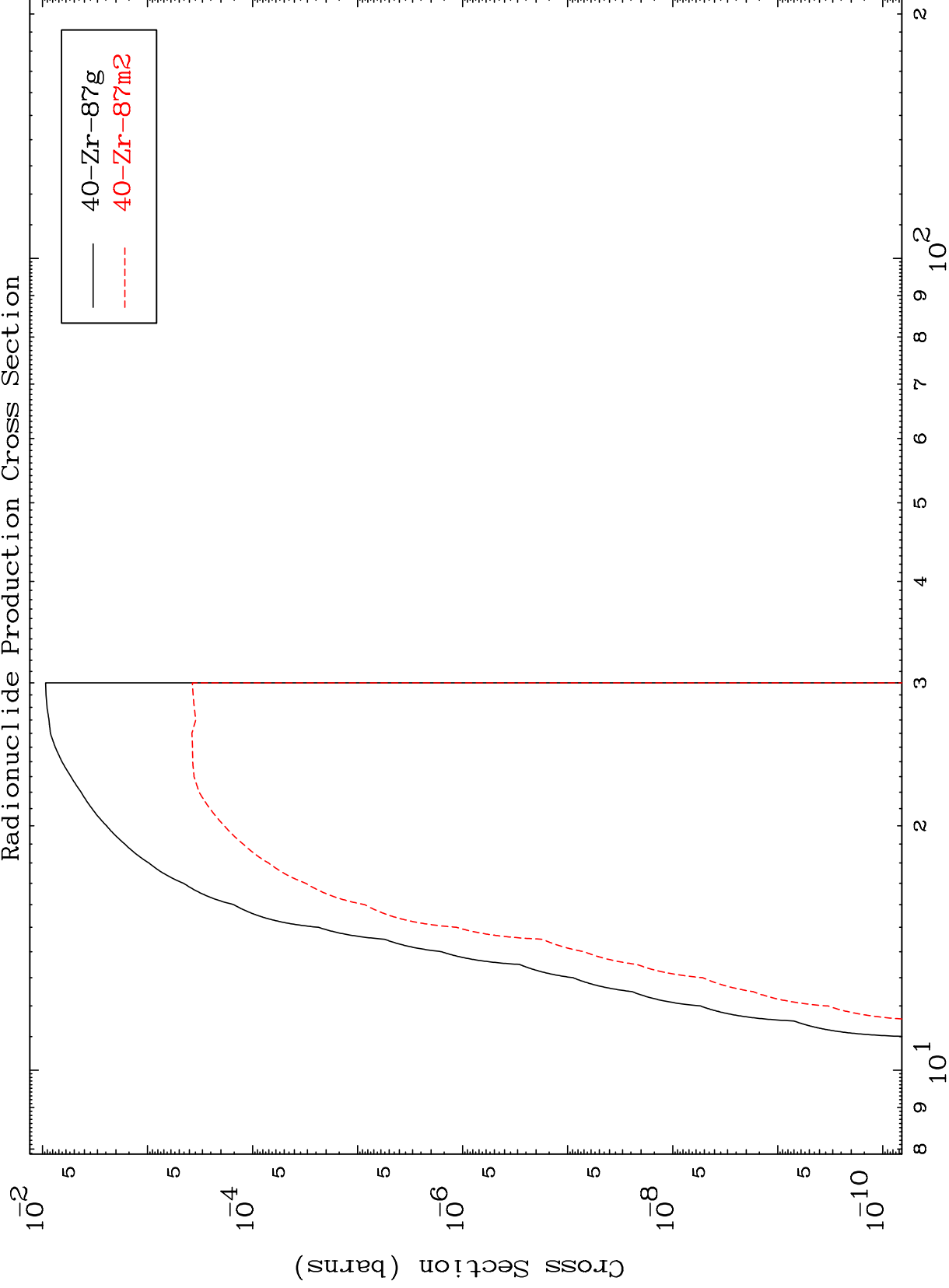


MAT 4113

(n, t)

41-Nb-89

Radionuclide Production Cross Section



95

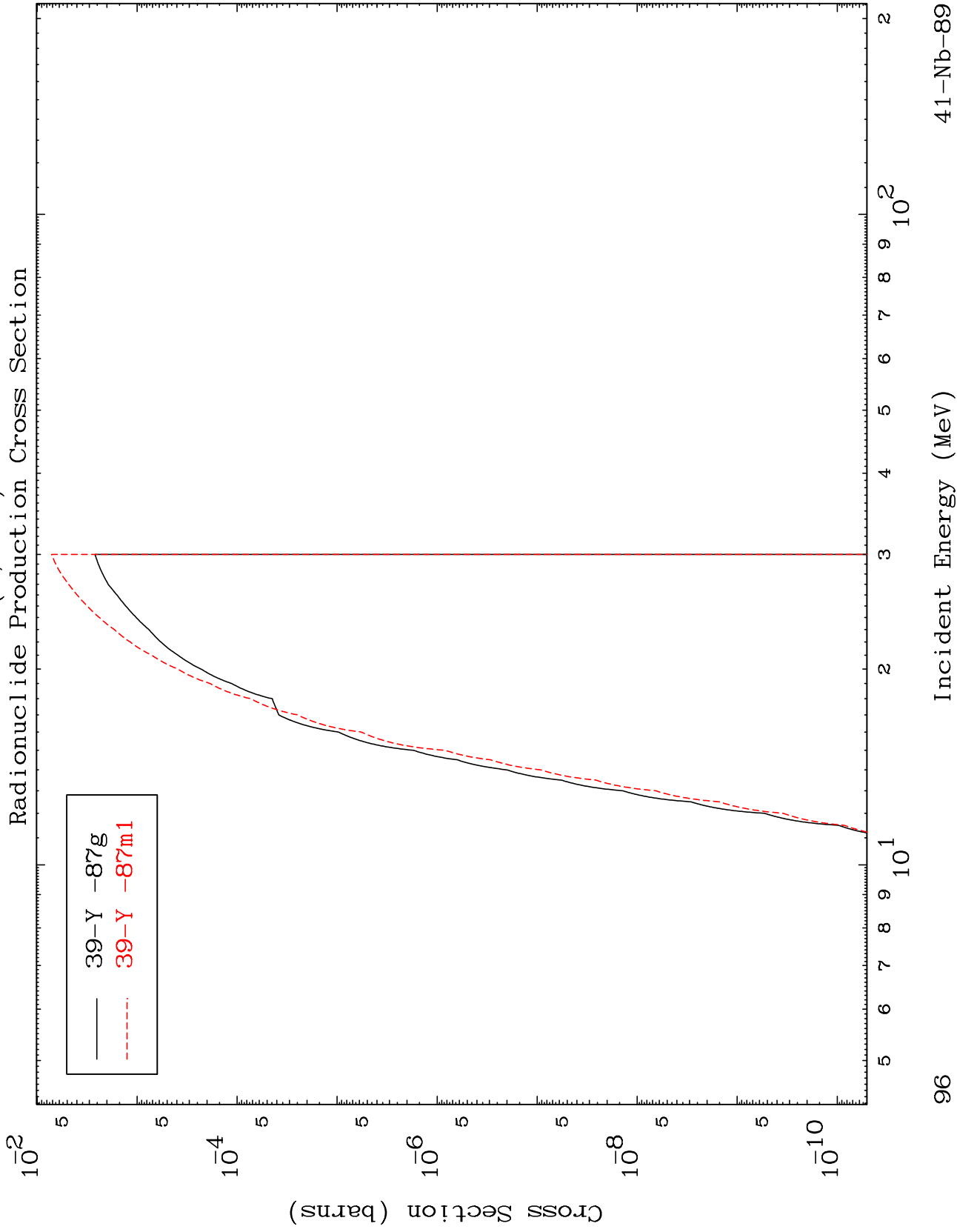
Incident Energy (MeV)

41-Nb-89

MAT 4113

(n,He-3)

41-Nb-89

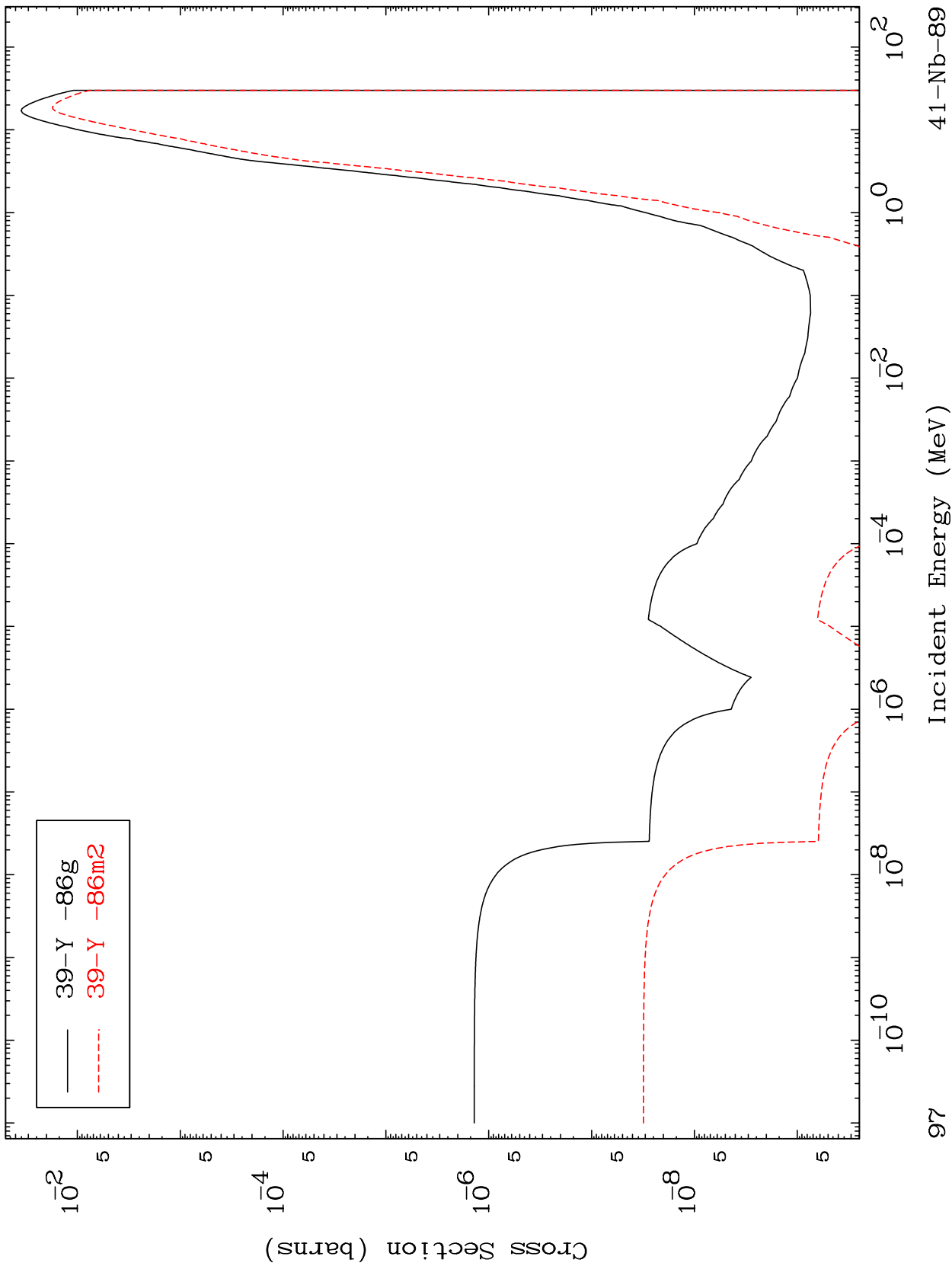


96

MAT 4113

41-Nb-89

Radionuclide Production Cross Section  
(n,  $\alpha$ )



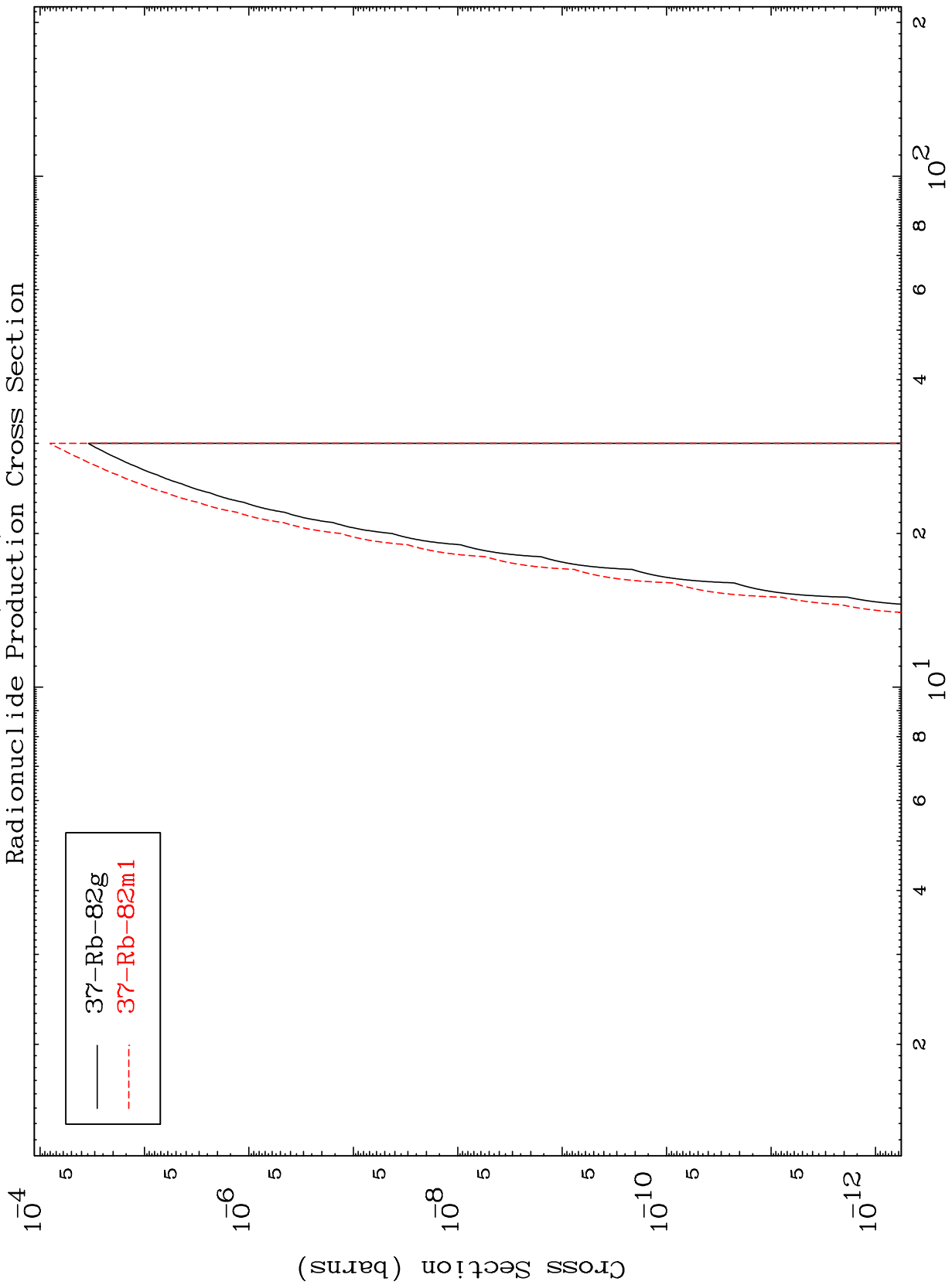
97

41-Nb-89

MAT 4113

41-Nb-89

Radionuclide Production Cross Section  
(n,2 $\alpha$ )



98

41-Nb-89

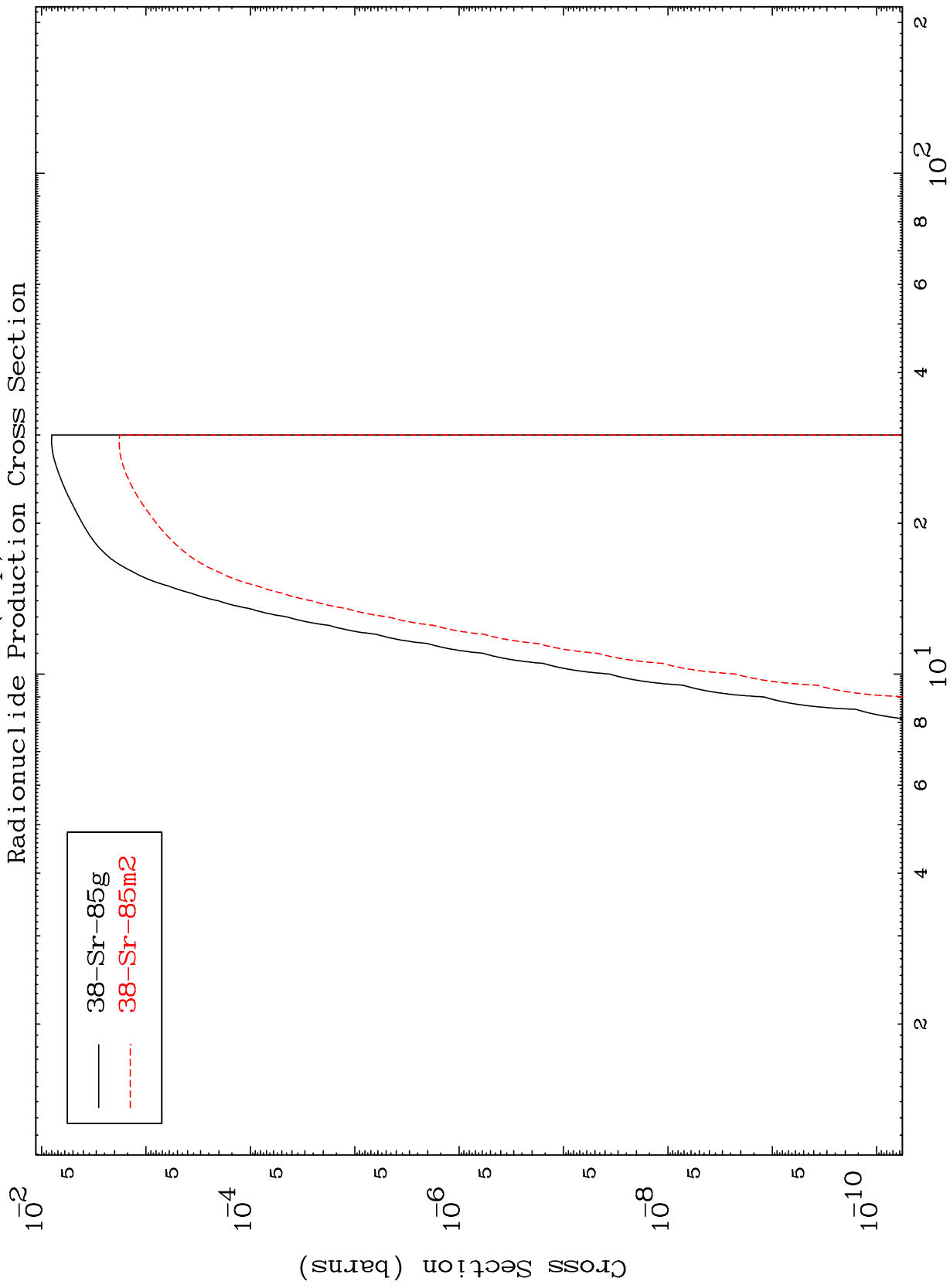
Incident Energy (MeV)

MAT 4113

(n,p)  $\alpha$

41-Nb-89

Radionuclide Production Cross Section



99

Incident Energy (MeV)

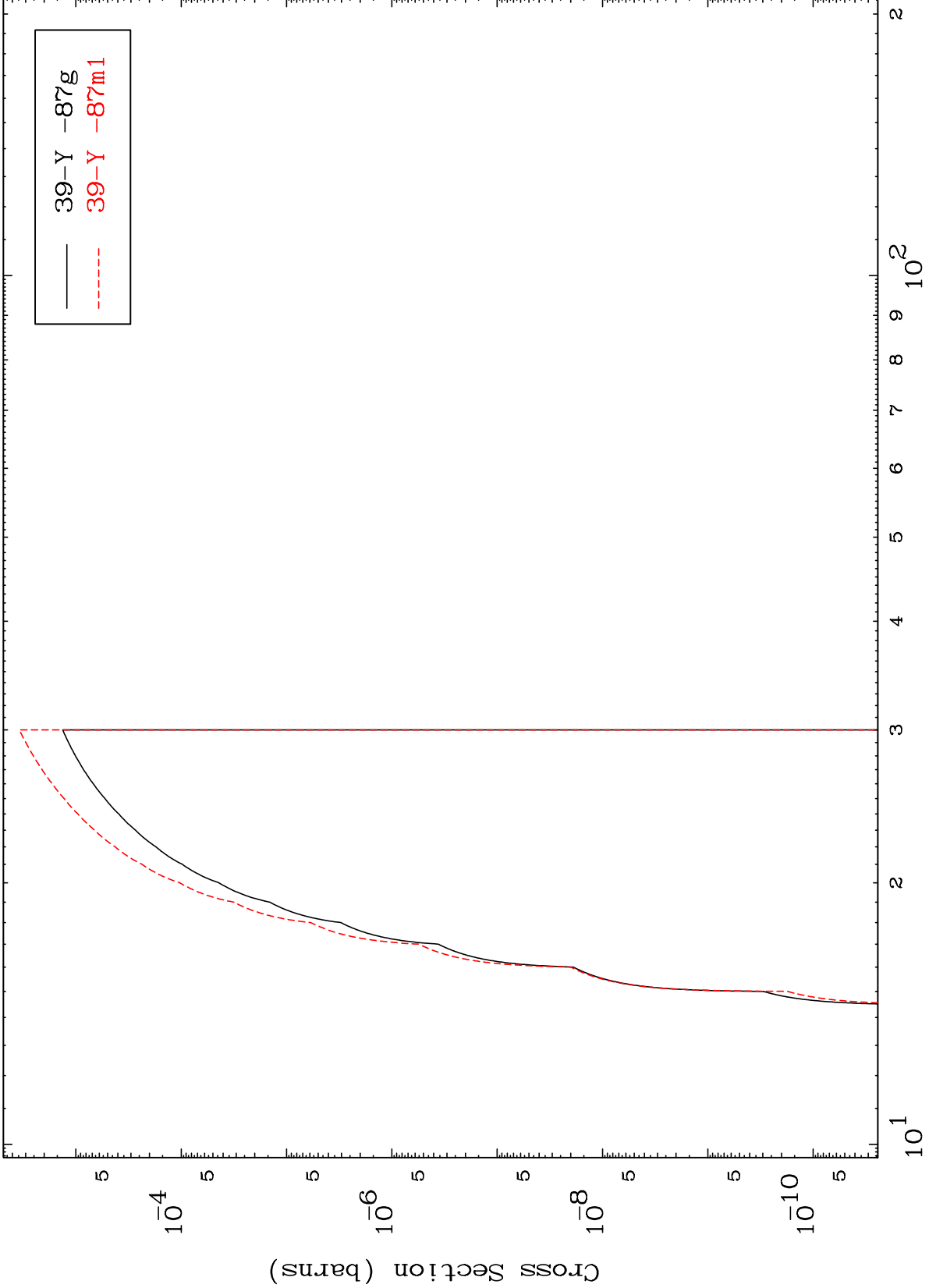
41-Nb-89

MAT 4113

(n,p) d

41-Nb-89

Radionuclide Production Cross Section



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

100

Incident Energy (MeV)

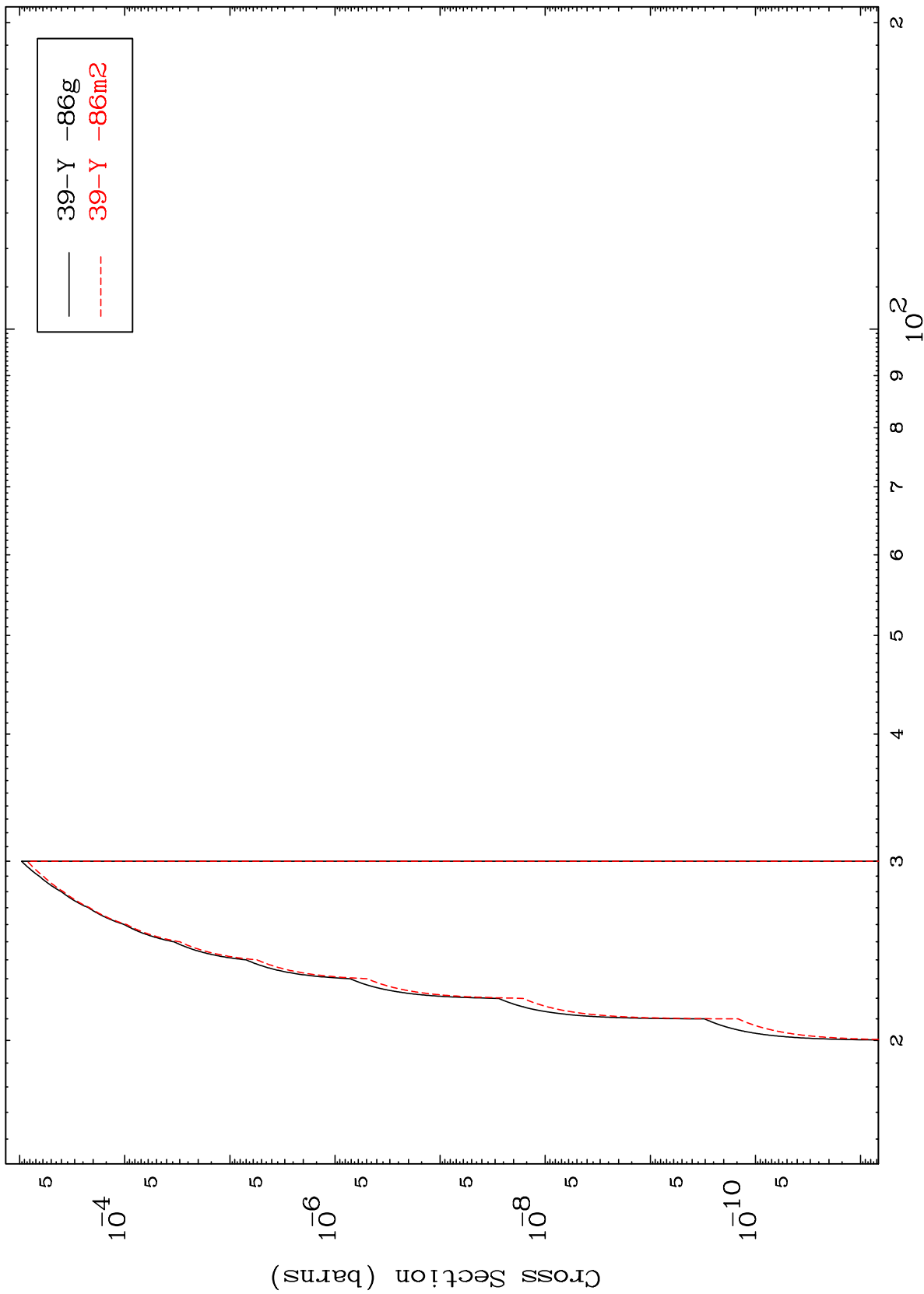
41-Nb-89

MAT 4113

(n,p) t

41-Nb-89

Radionuclide Production Cross Section



101

Incident Energy (MeV)

41-Nb-89