

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

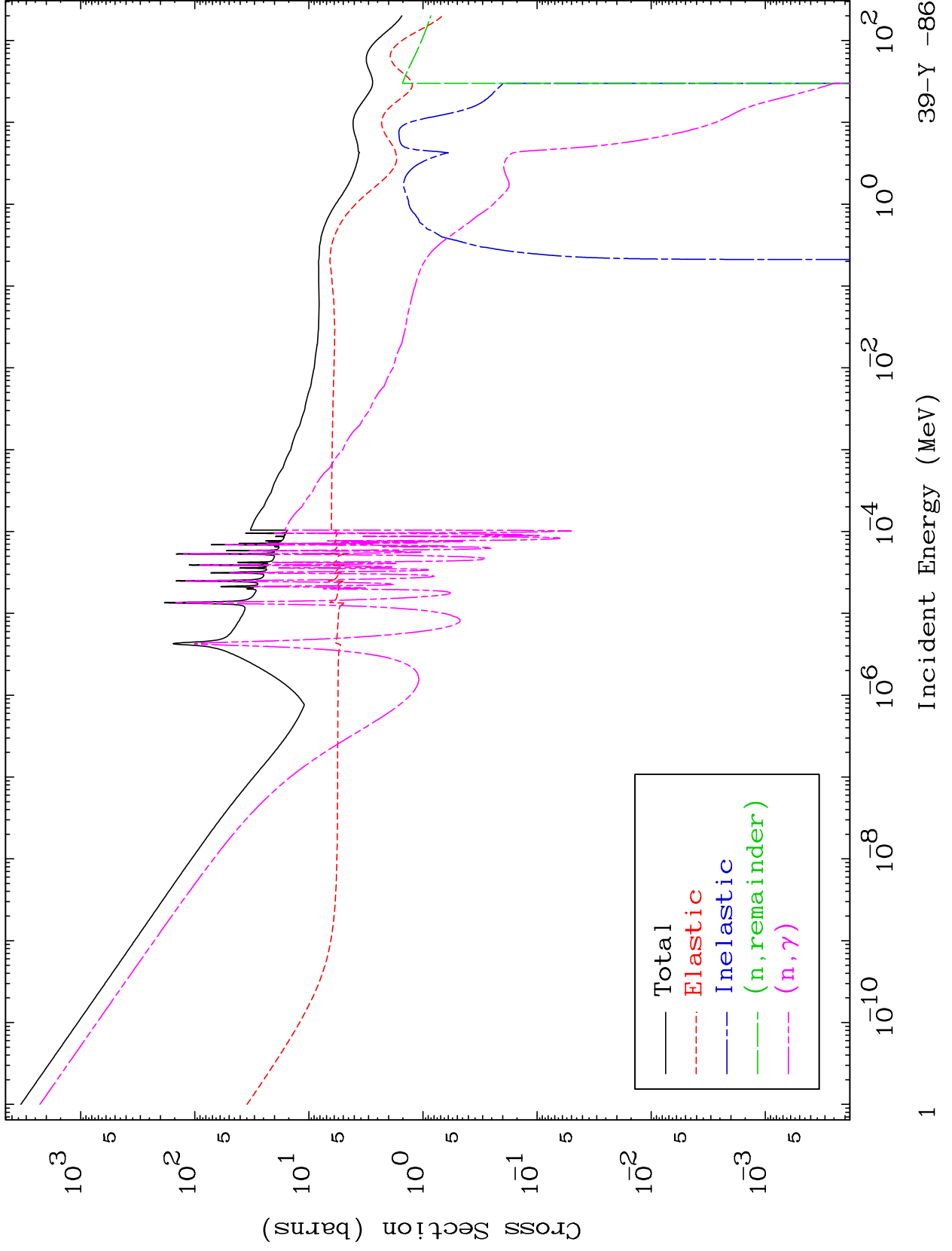
Web:redcullen1.net/HOMEPAGE.NEW

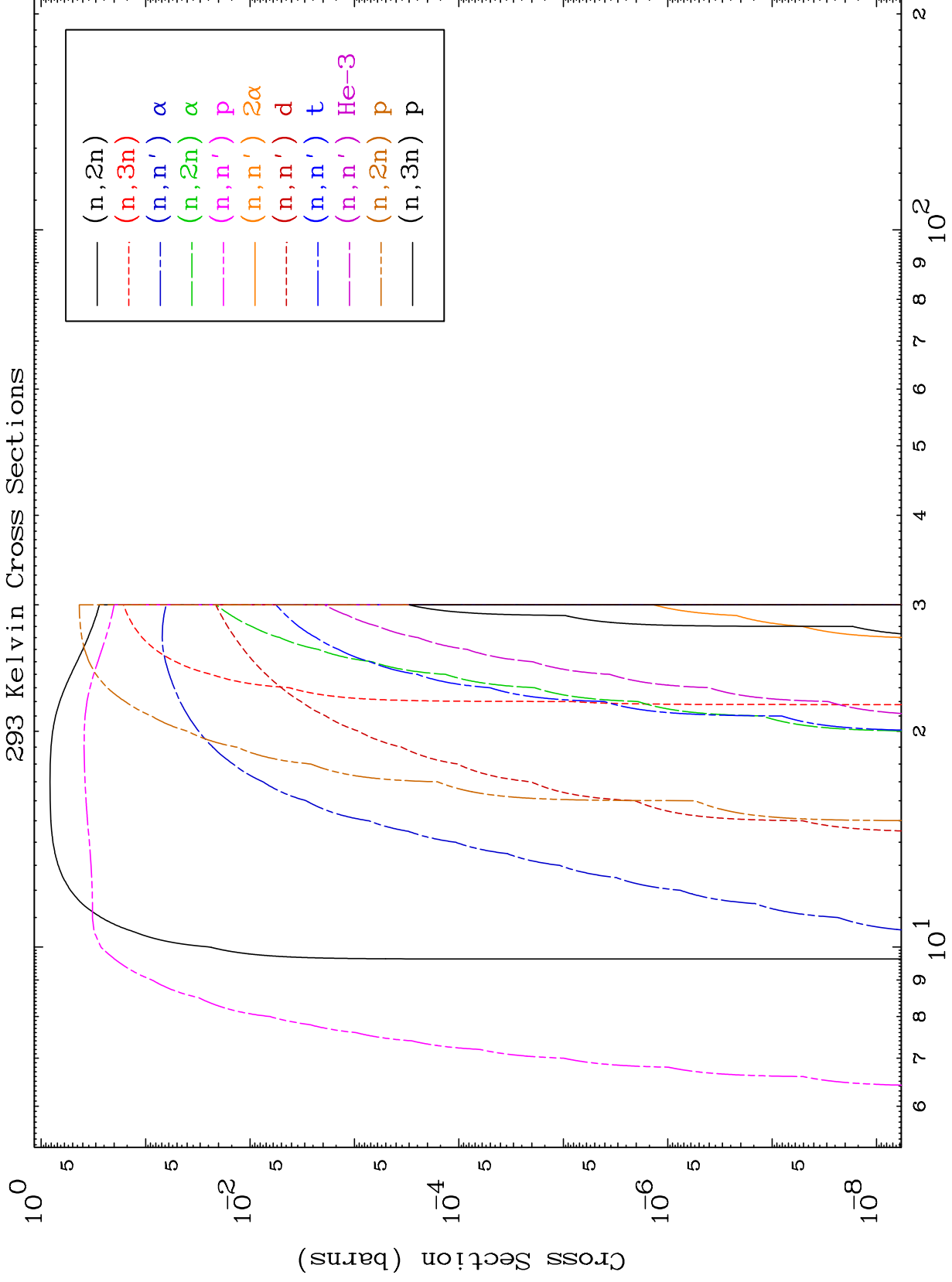
Press Mouse Button to Start

MAT 3916

Major  
293 Kelvin Cross Sections

39-Y -86

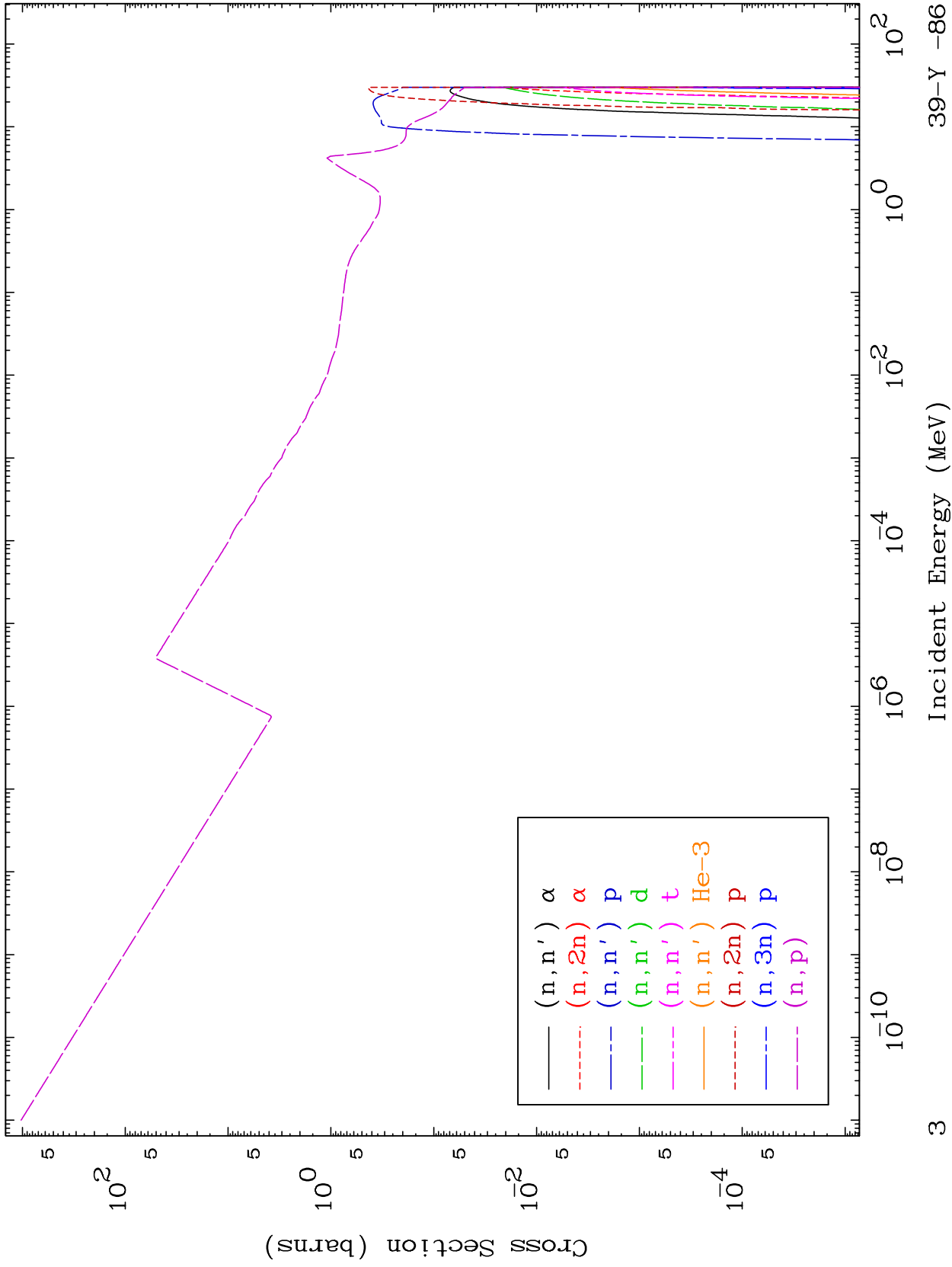




MAT 3916

Charged Particle  
293 Kelvin Cross Sections

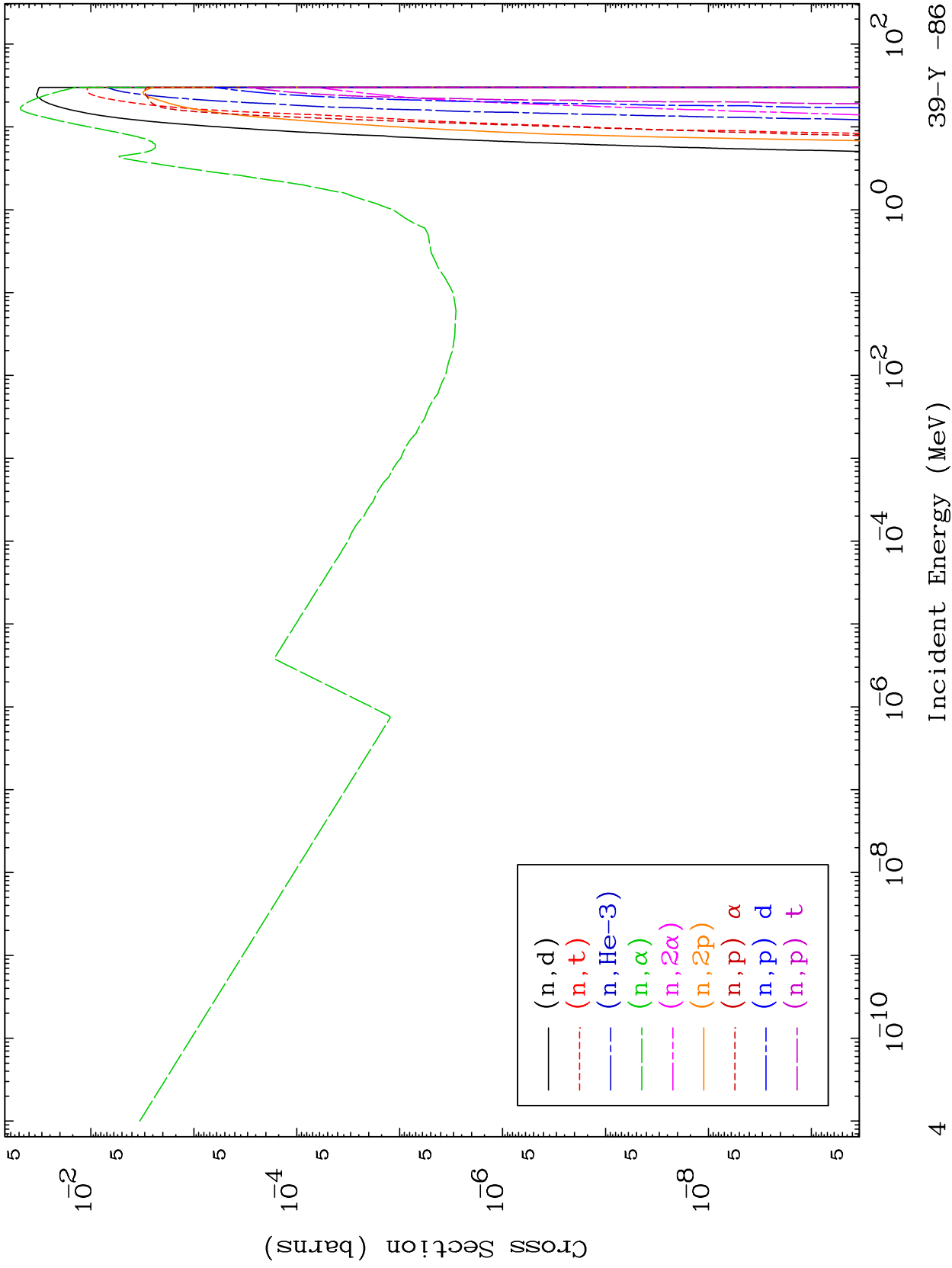
39-Y -86

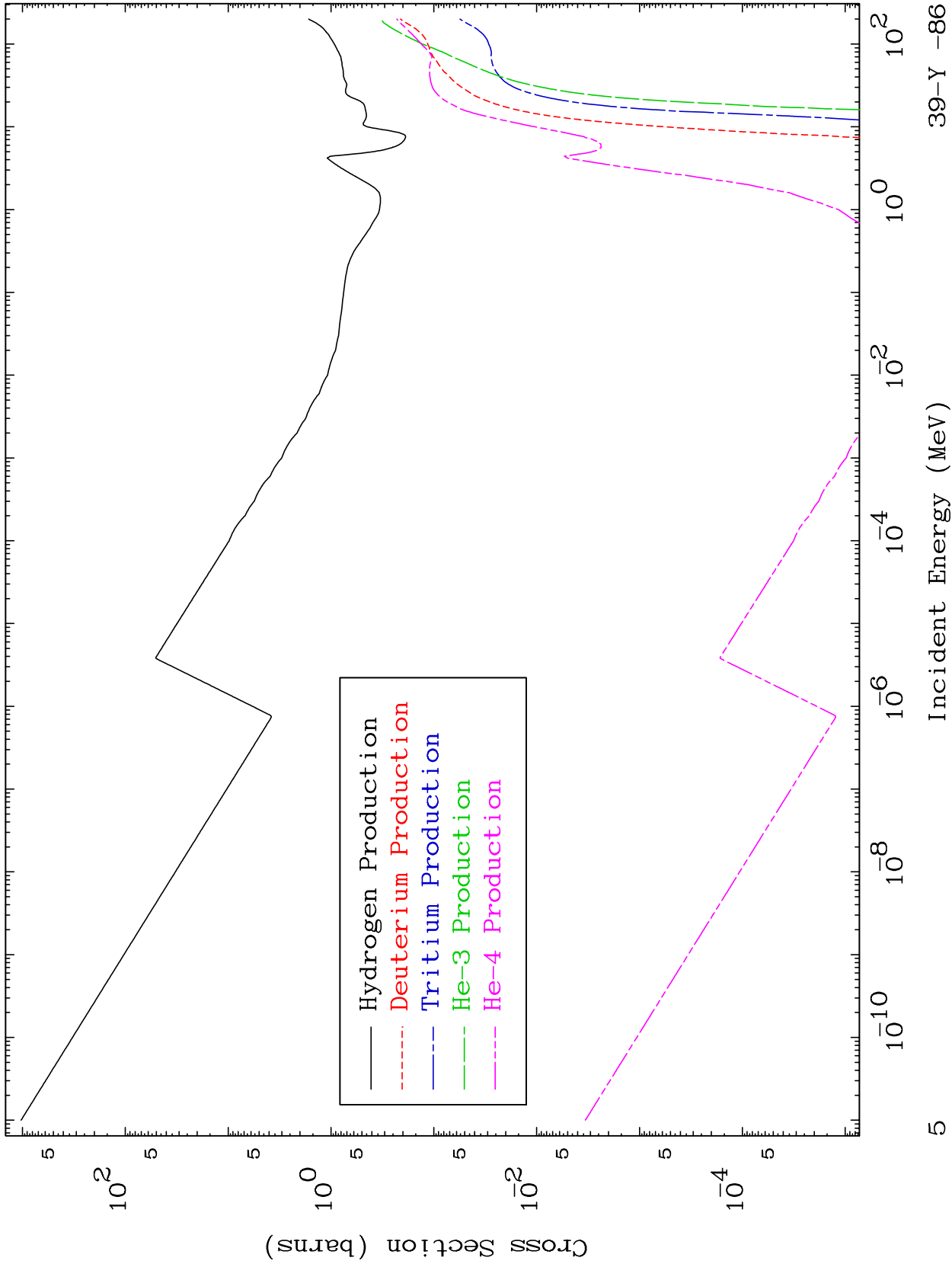


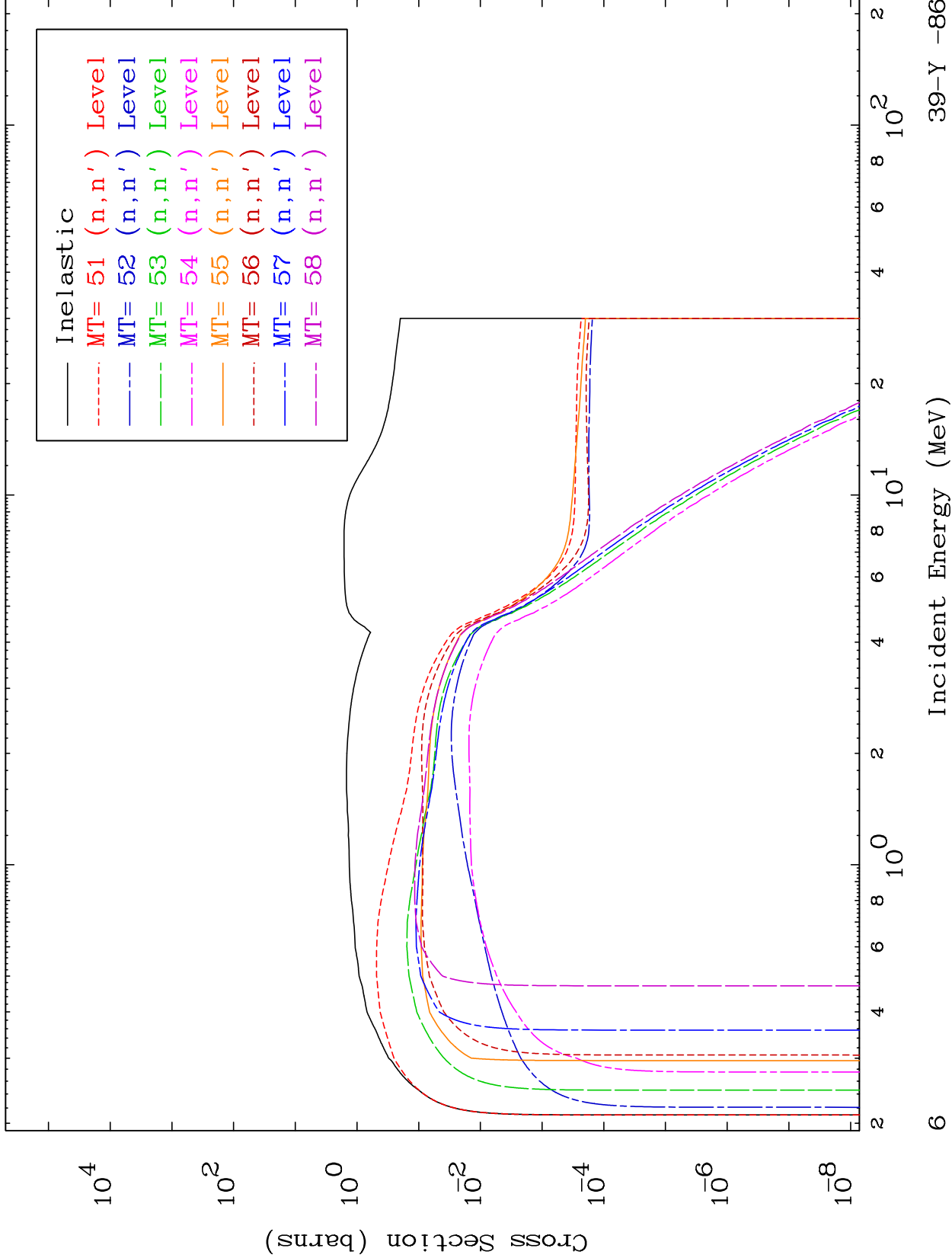
MAT 3916

Charged Particle  
293 Kelvin Cross Sections

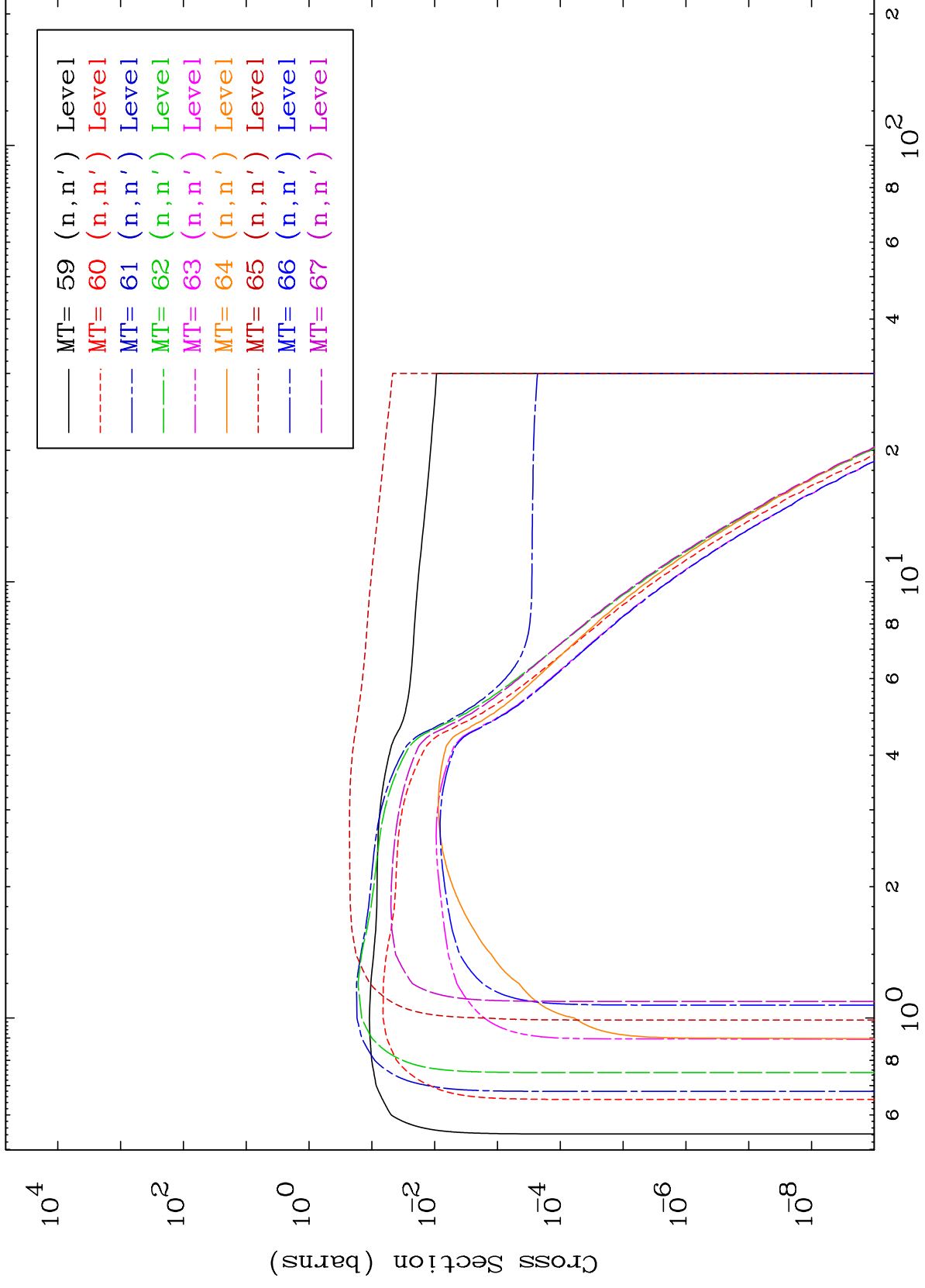
39-Y -86



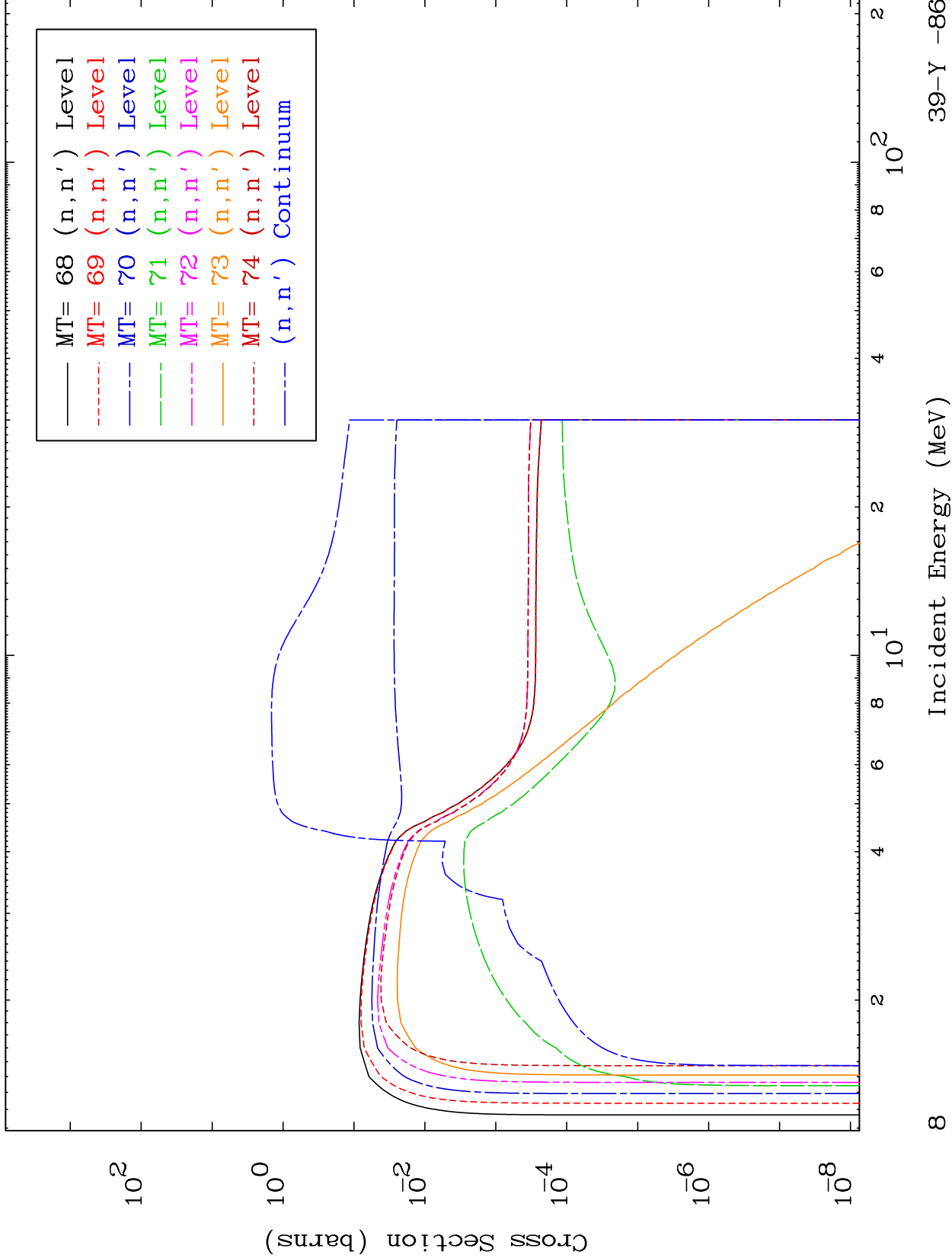




293 Kelvin Cross Sections



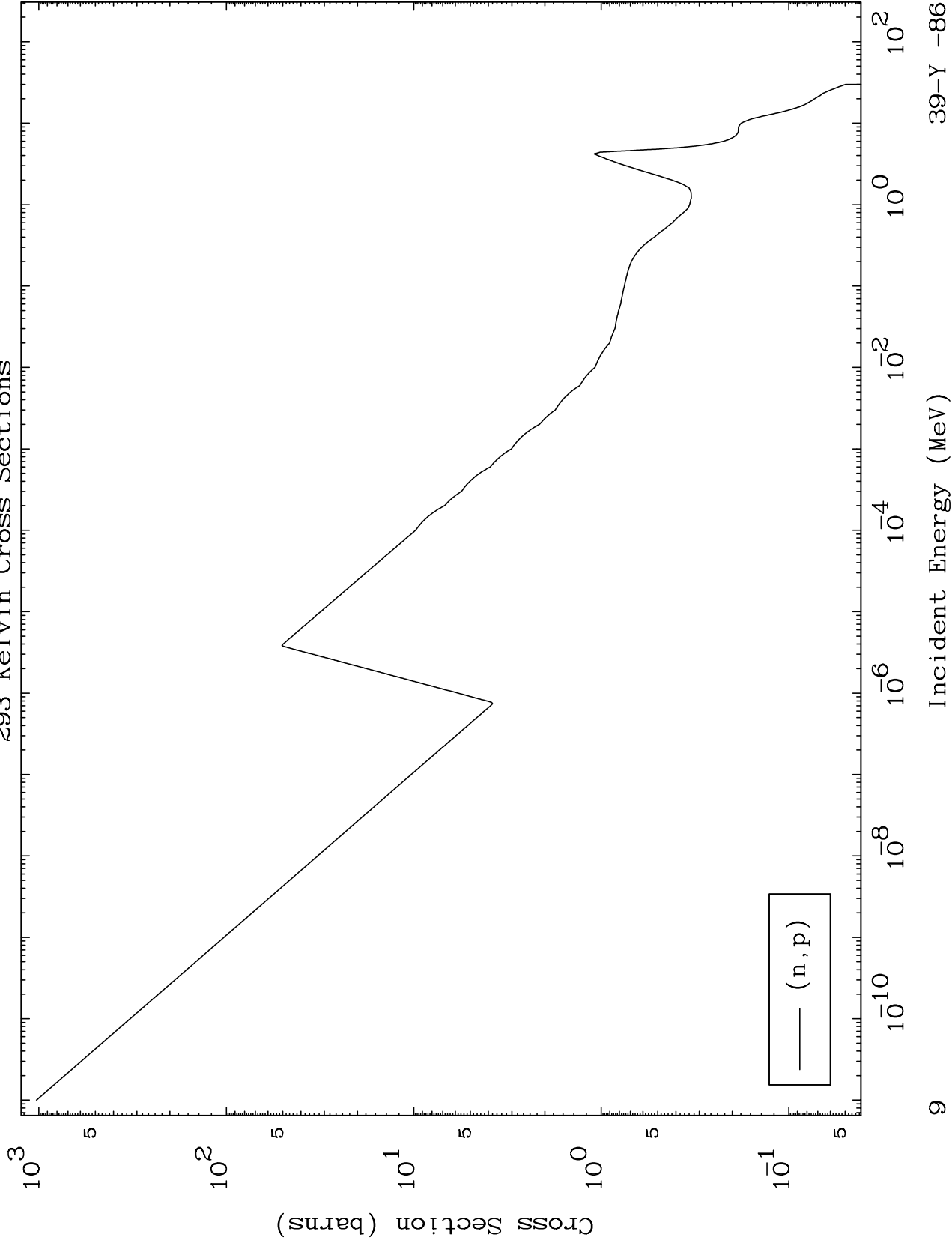




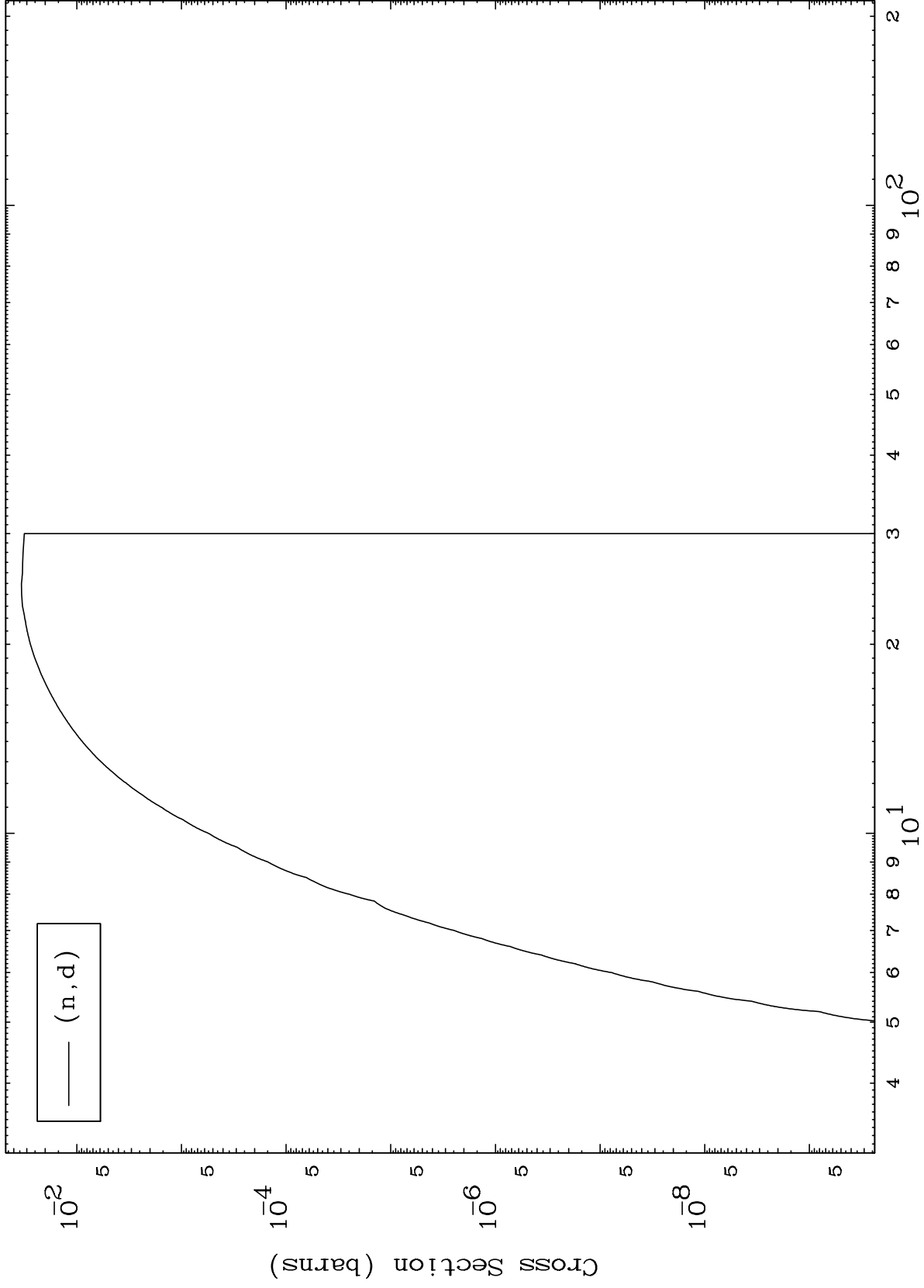
MAT 3916

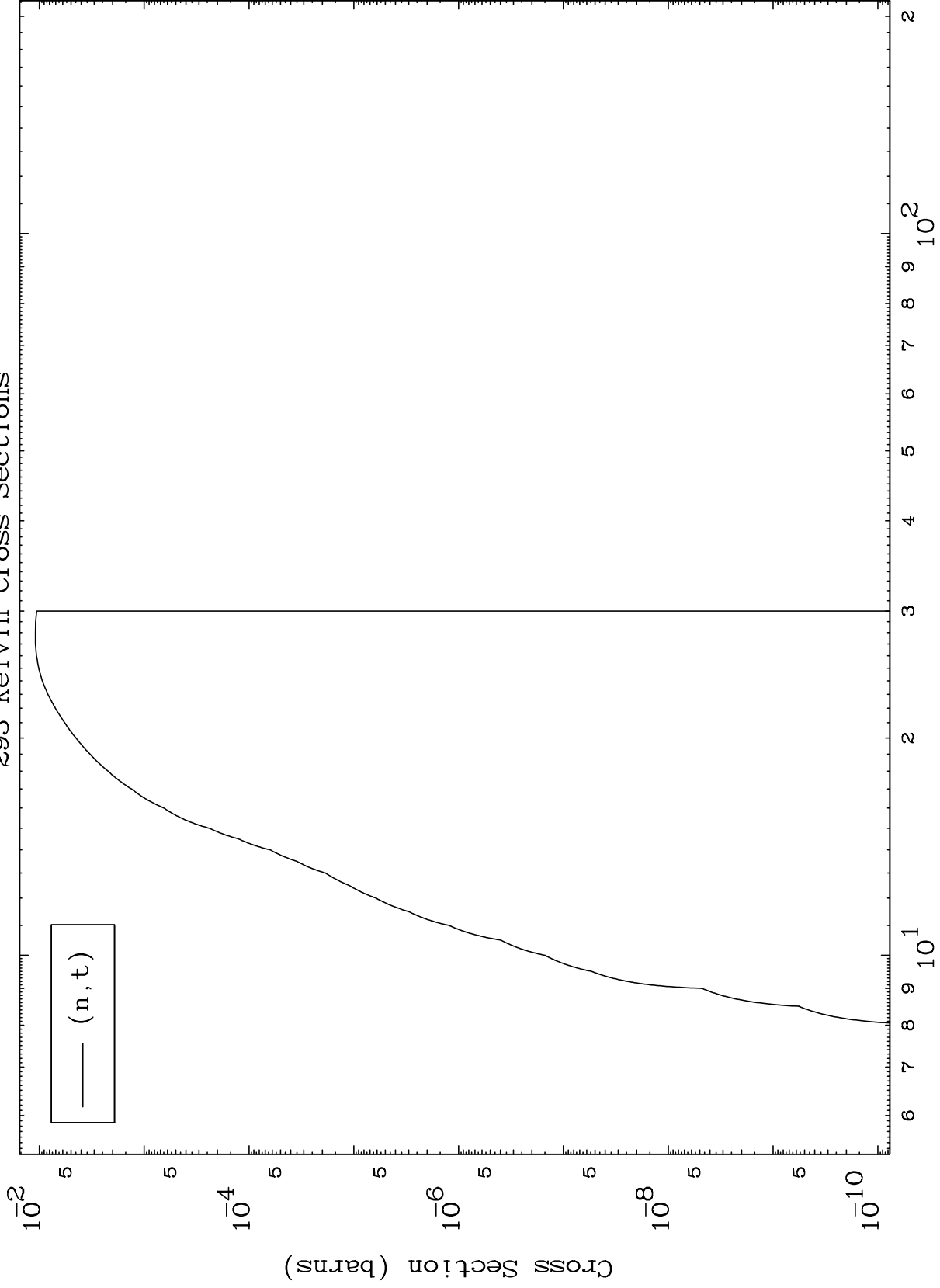
(n,p) Levels  
293 Kelvin Cross Sections

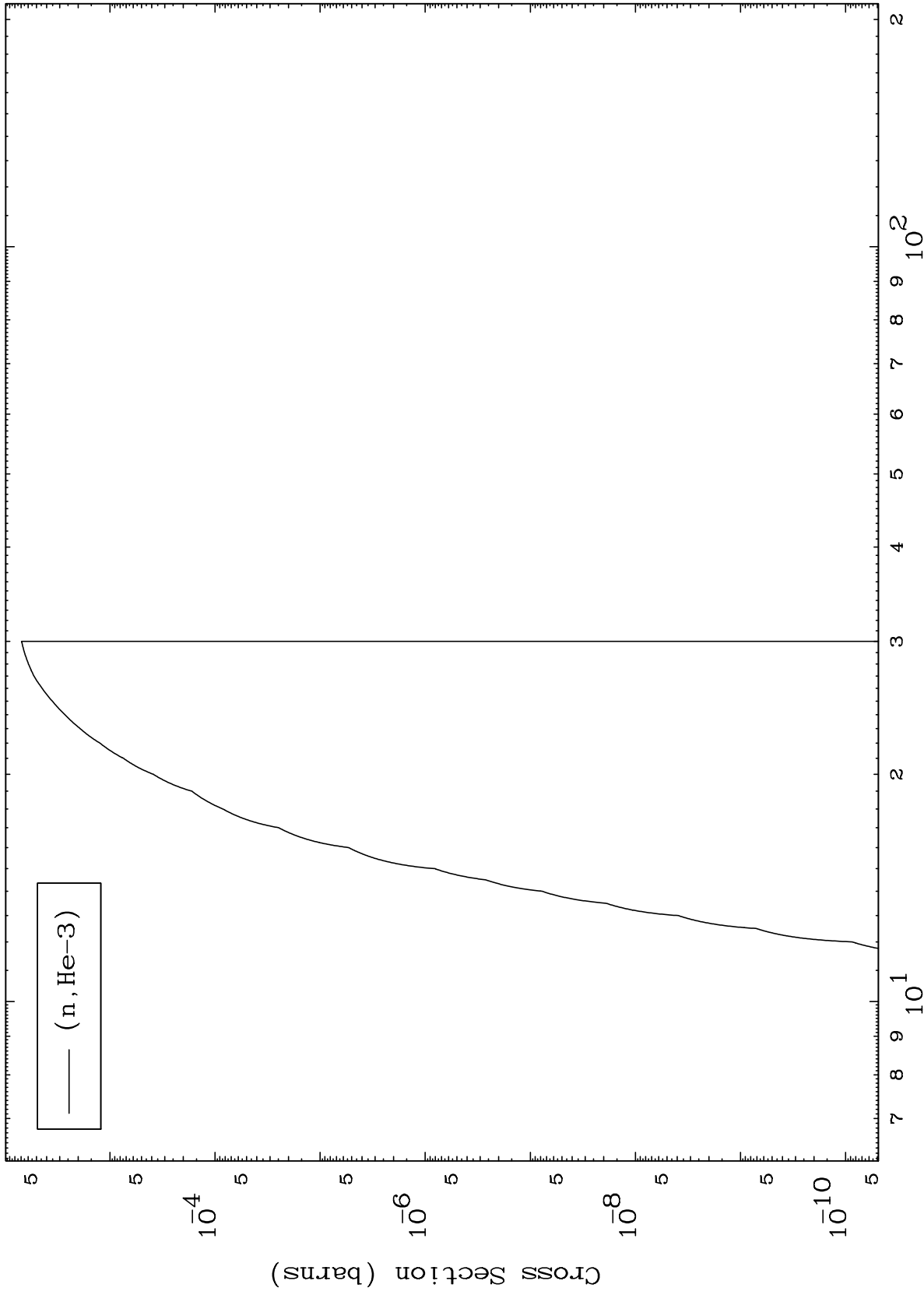
39-Y -86



— (n,p)



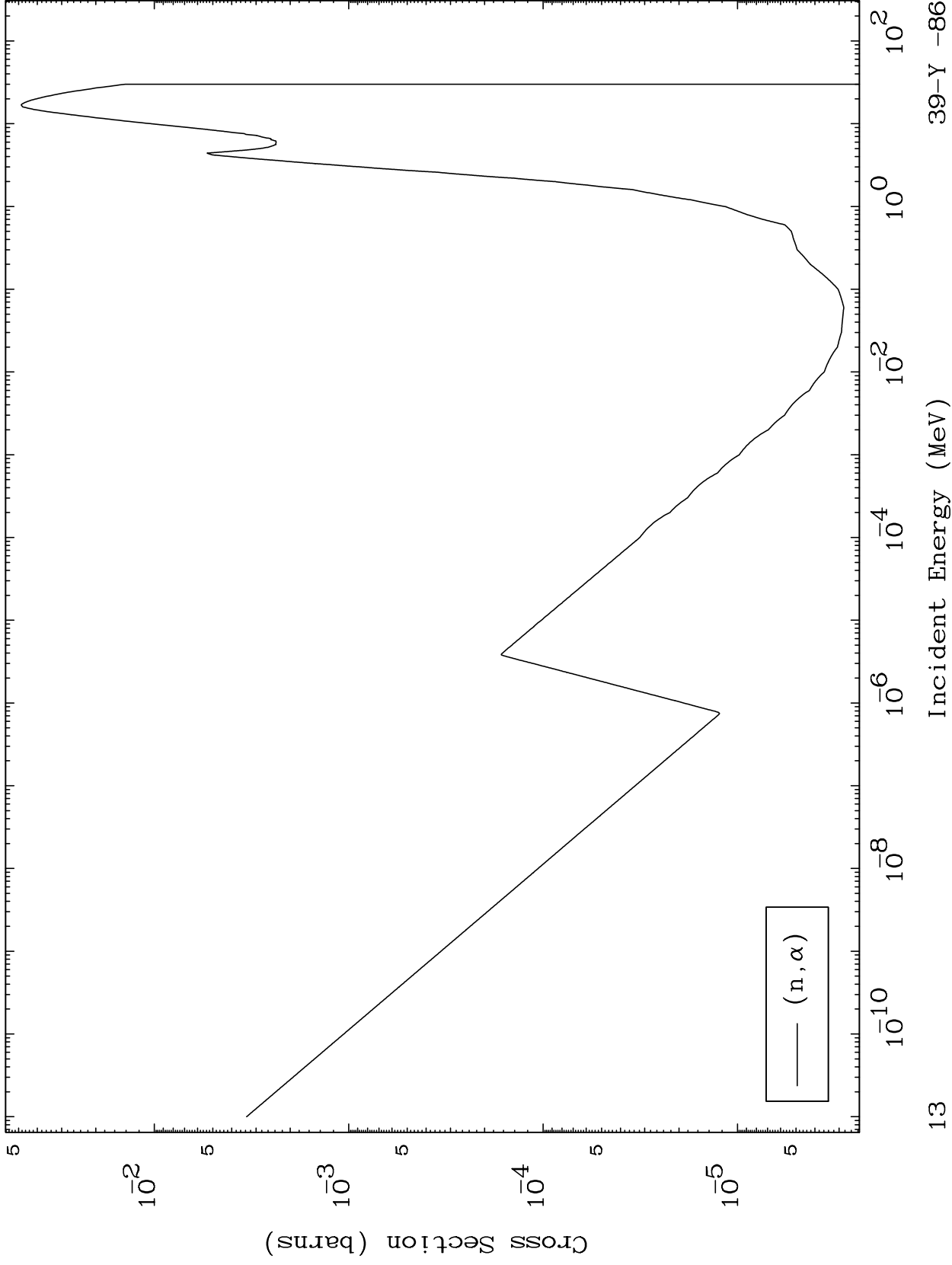




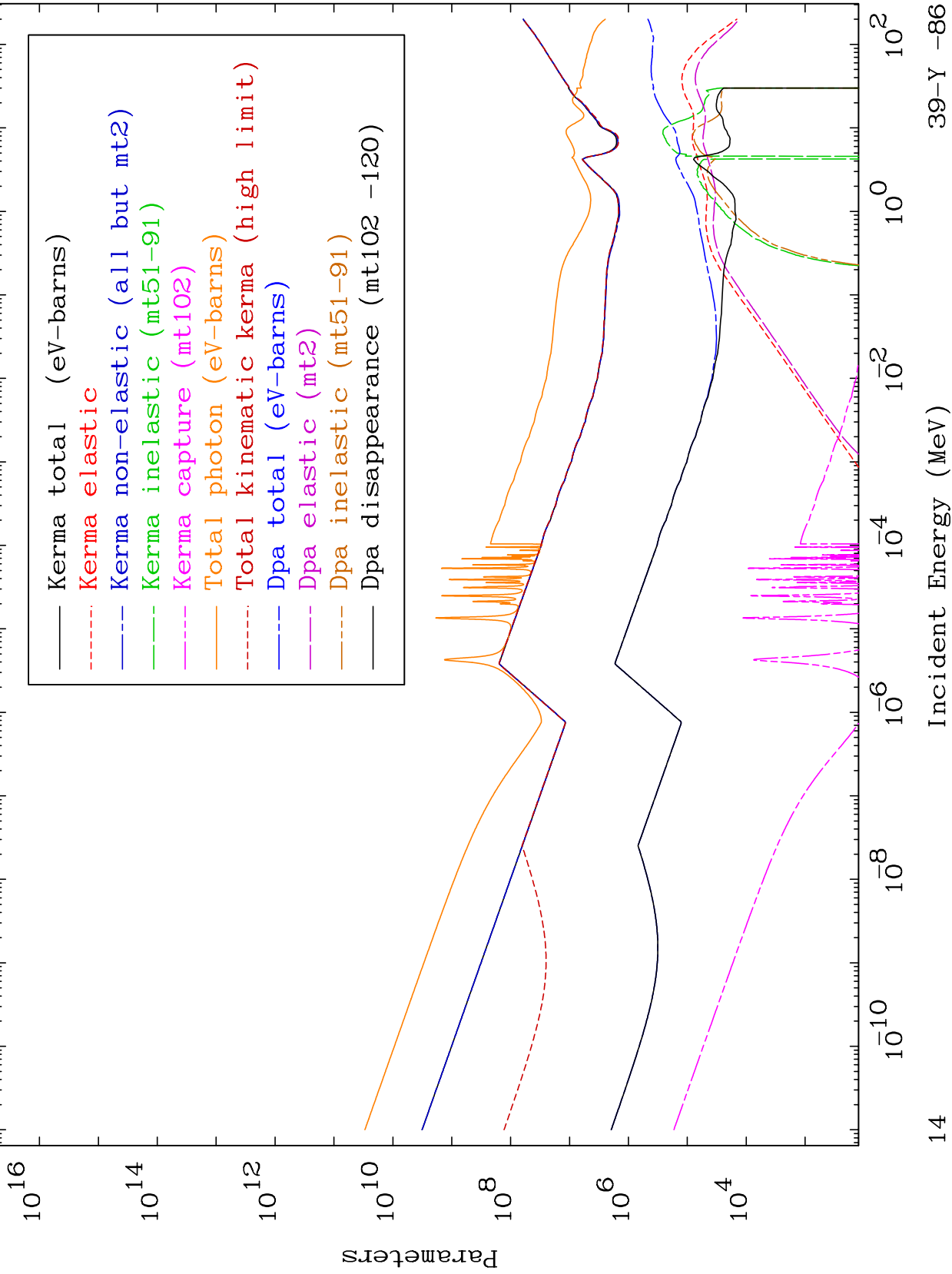
MAT 3916

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

39-Y -86



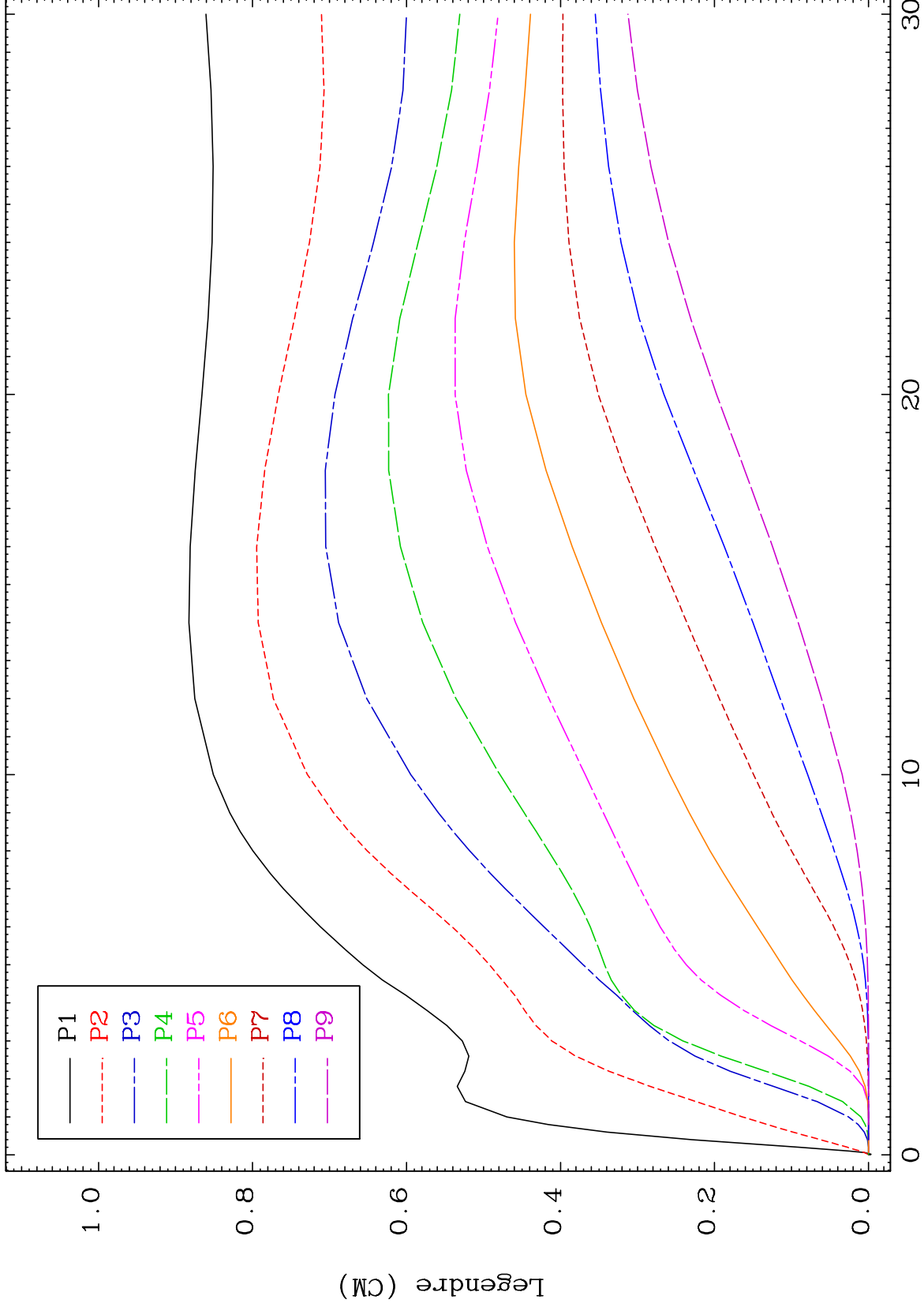
13



MAT 3916

Elastic Legendre Coefficients

39-Y -86



15

Incident Energy (MeV)

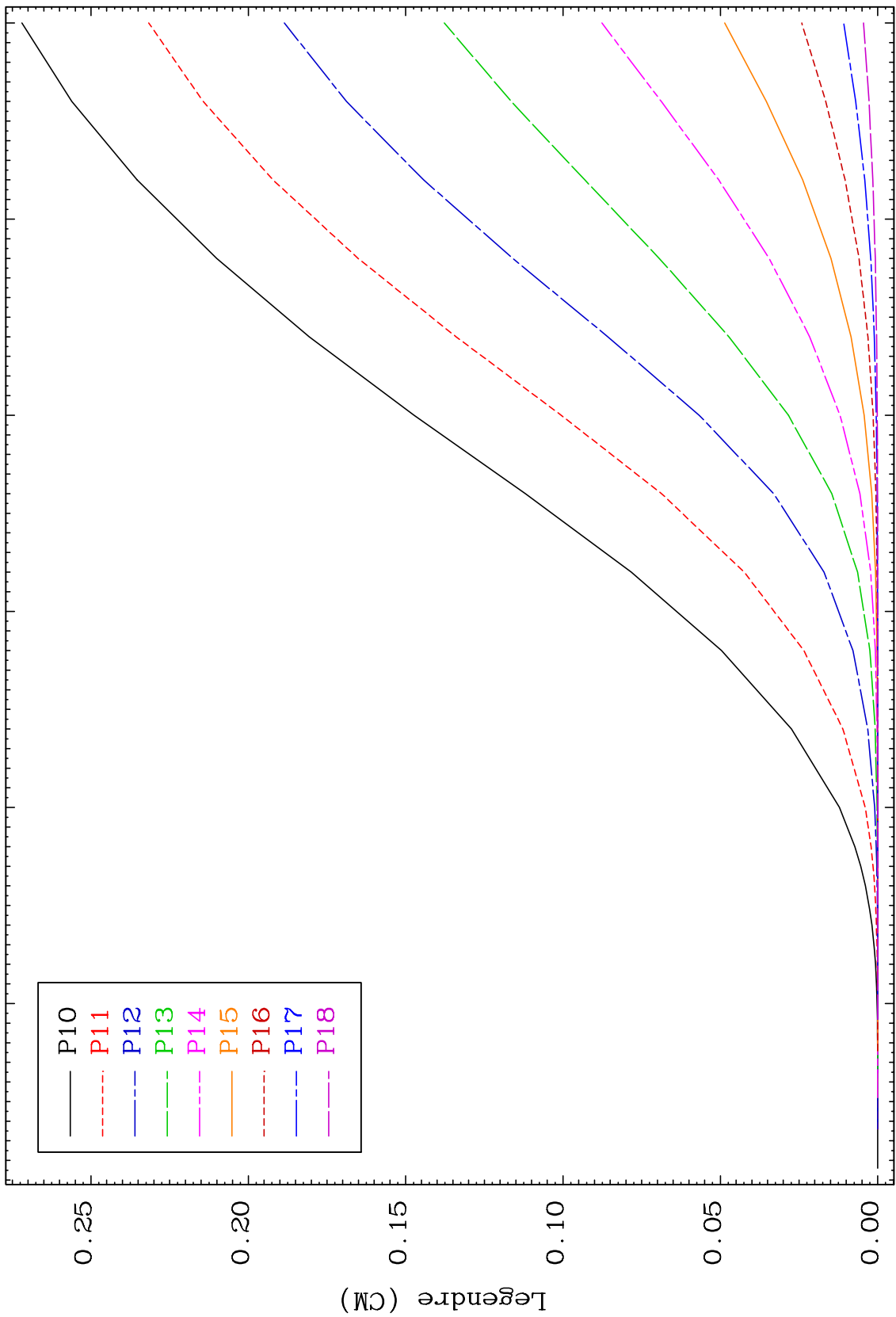
39-Y -86



MAT 3916

Elastic Legendre Coefficients

39-Y -86



16

Incident Energy (MeV)

39-Y -86

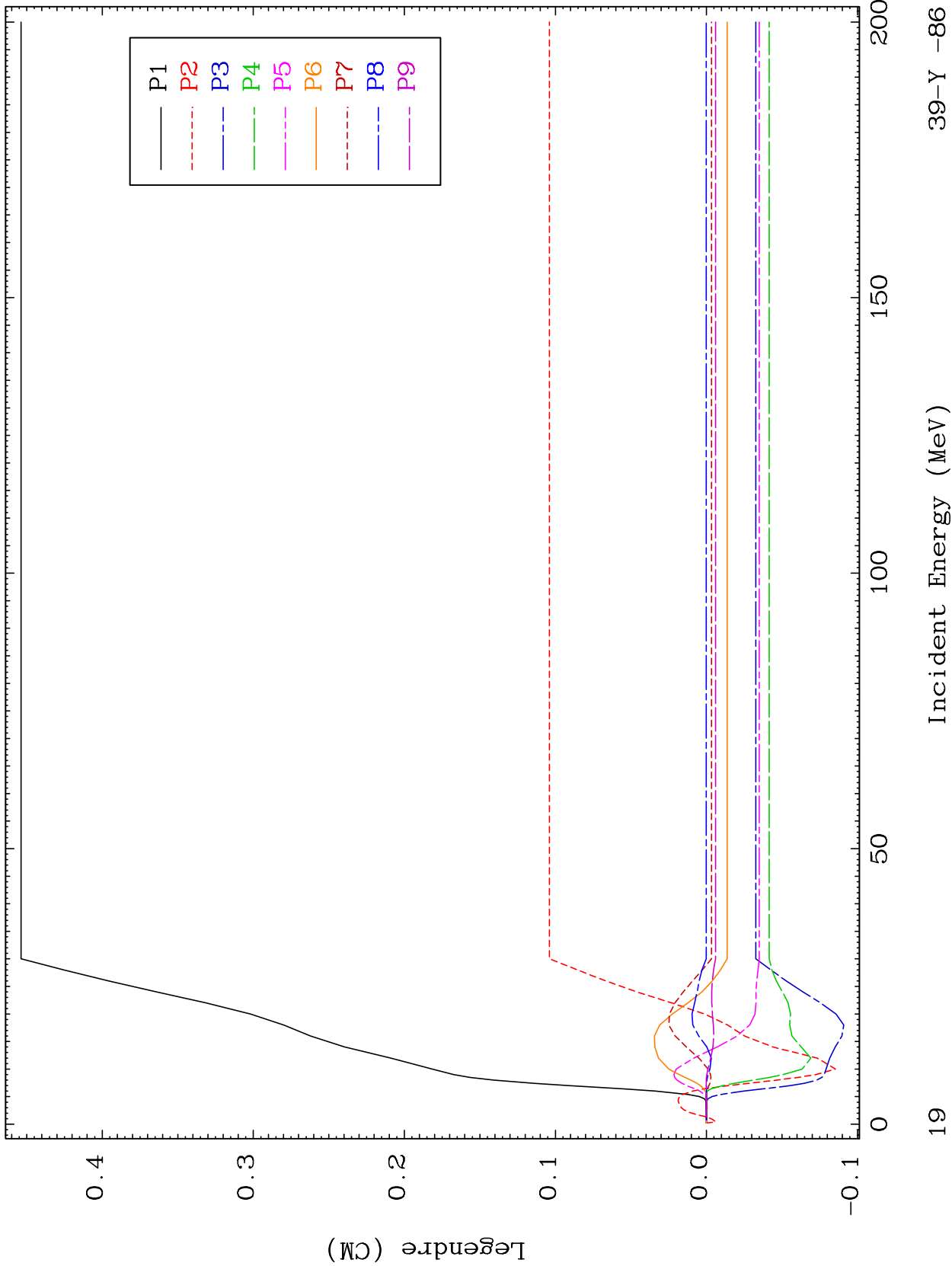




MAT 3916

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

39-Y -86

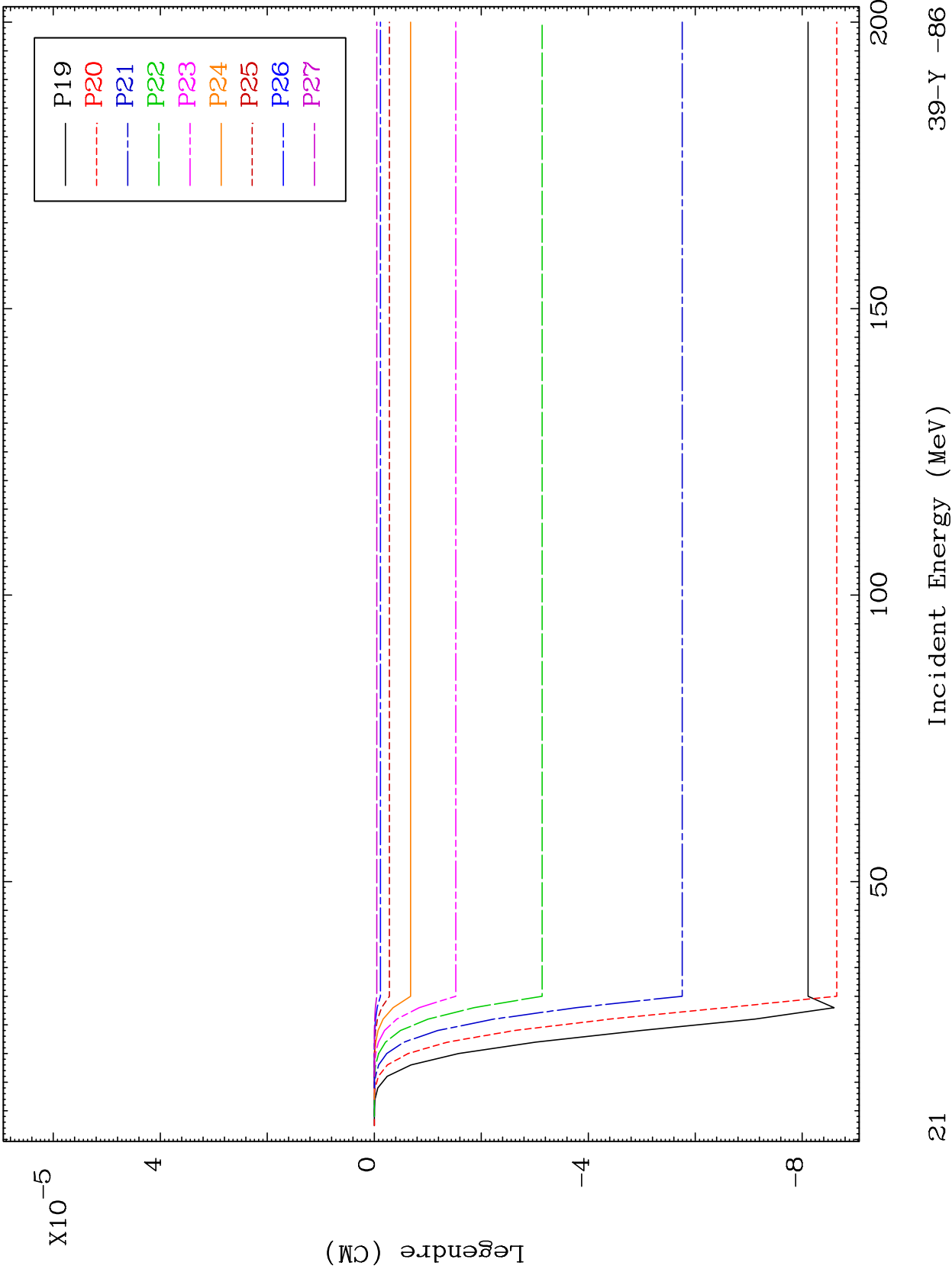


39-Y -86

Incident Energy (MeV)

19

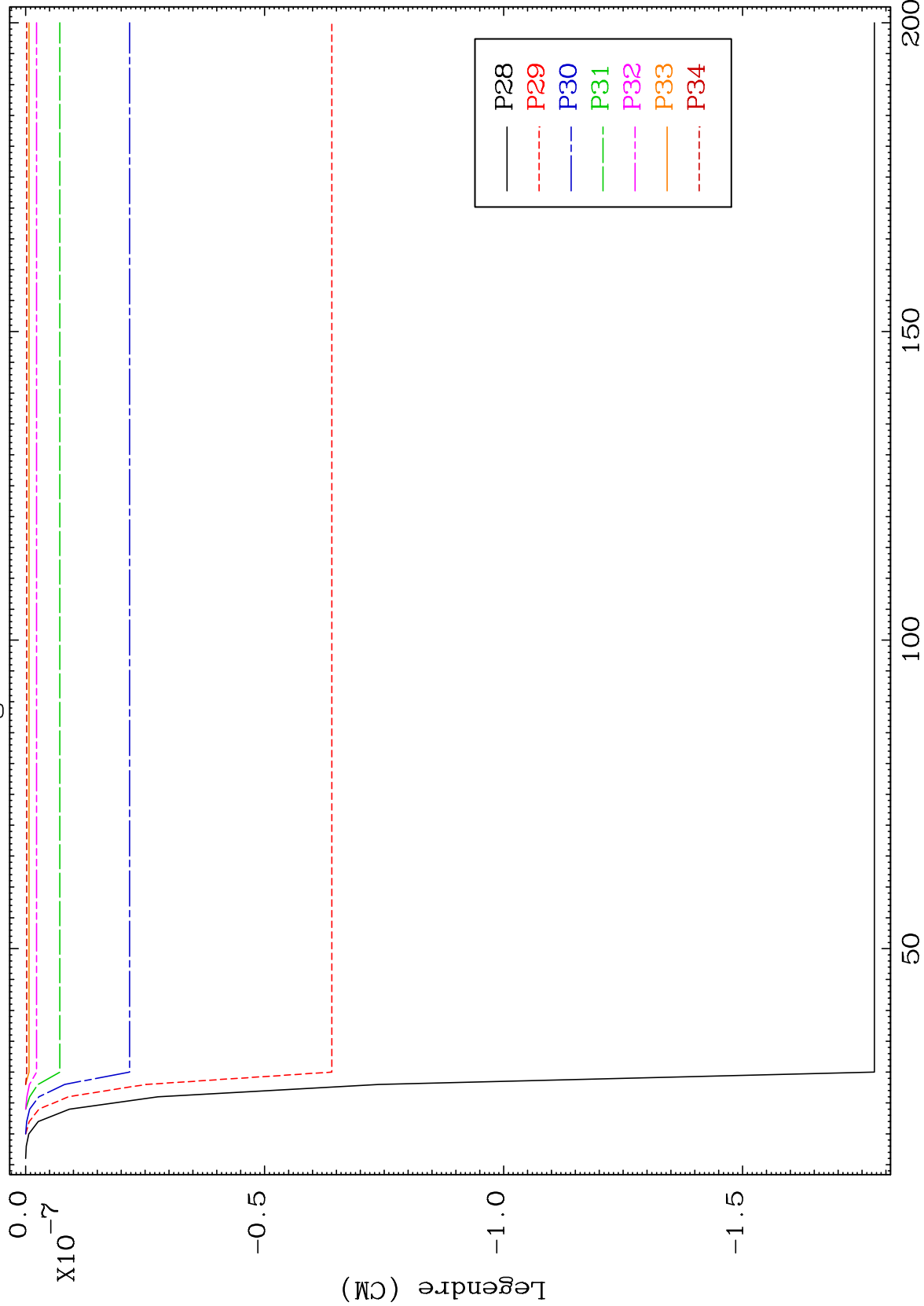




MAT 3916

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

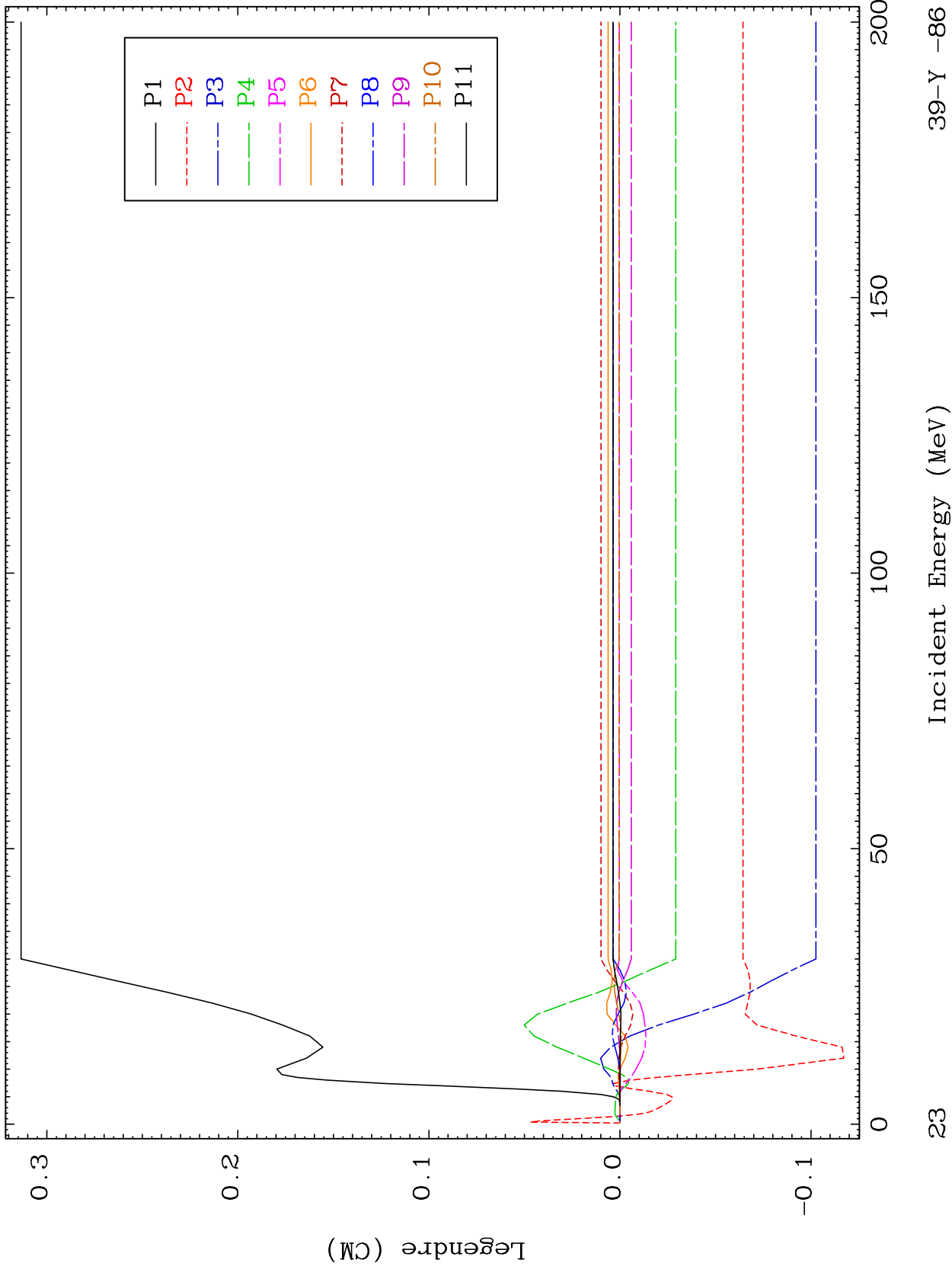
39-Y -86



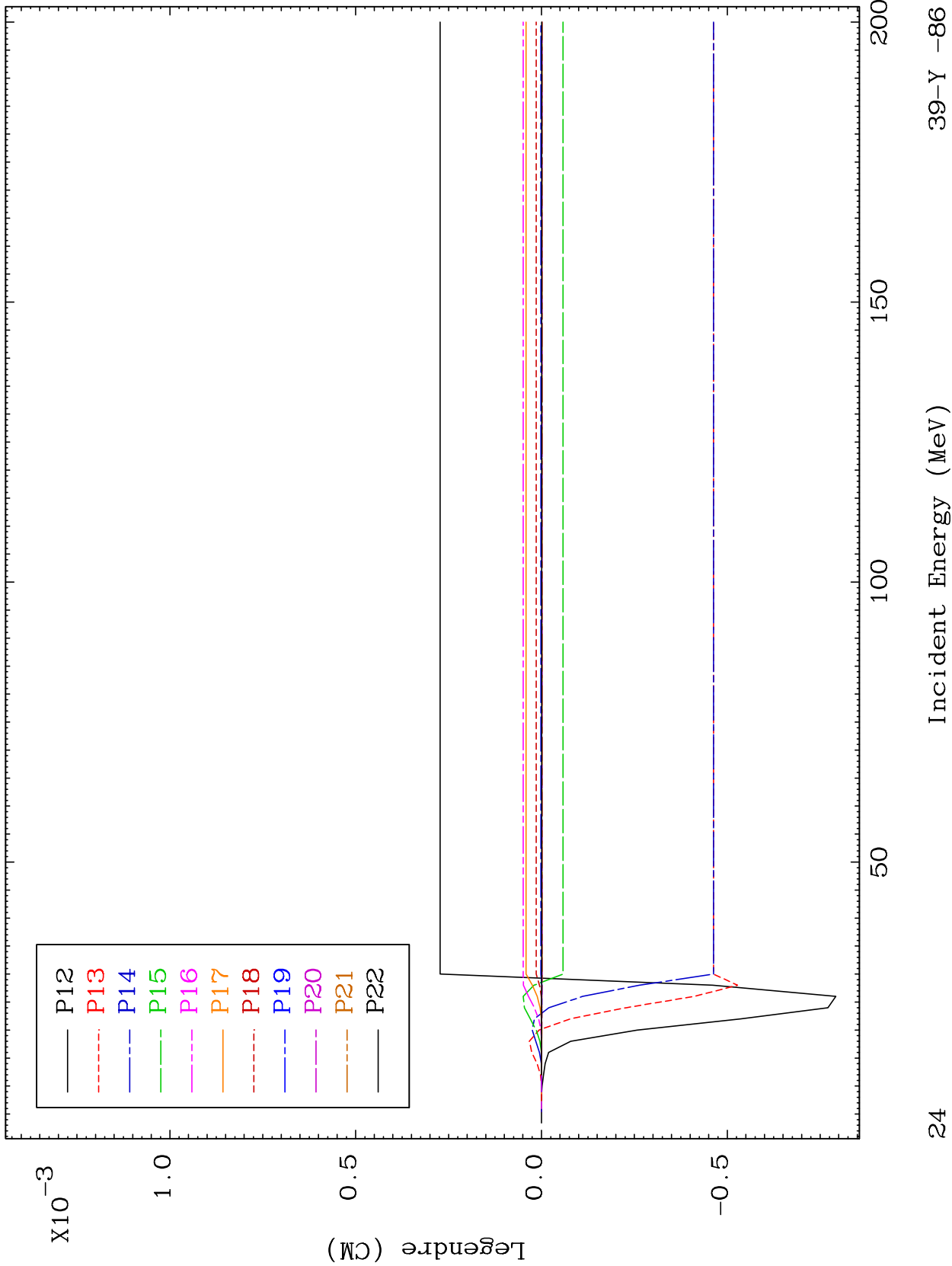
22

Incident Energy (MeV)

39-Y -86



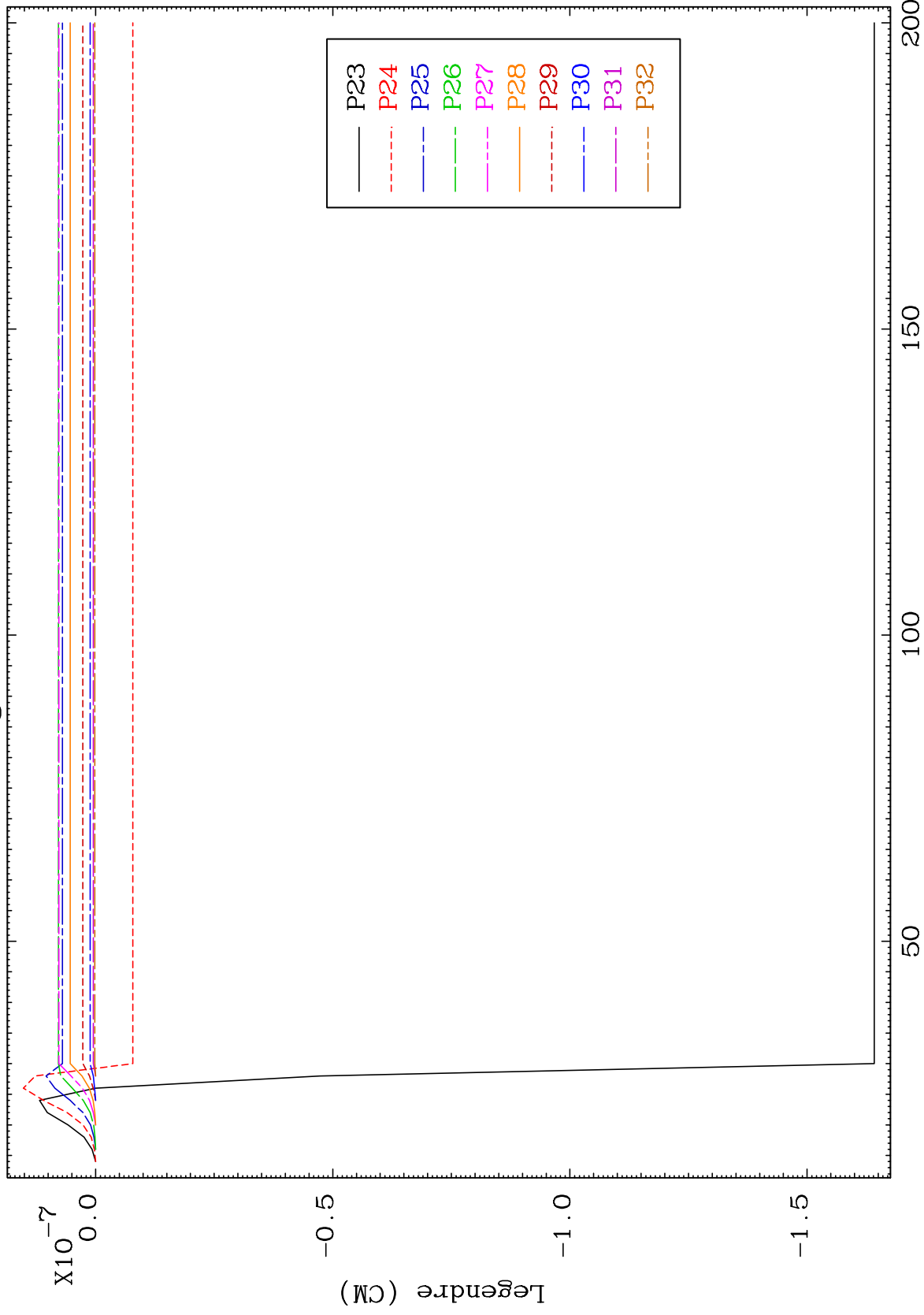




MAT 3916

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

39-Y -86



25

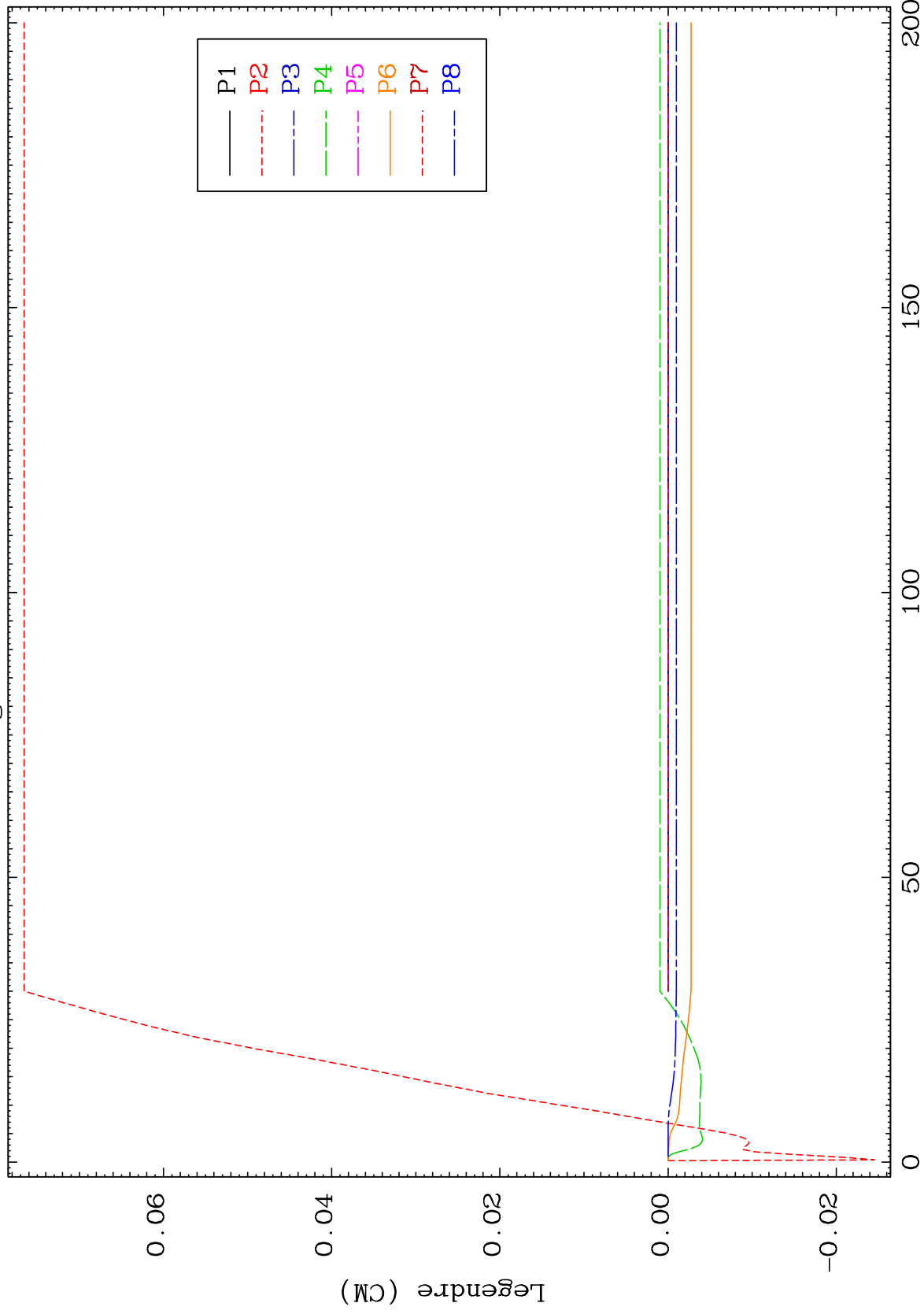
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



26

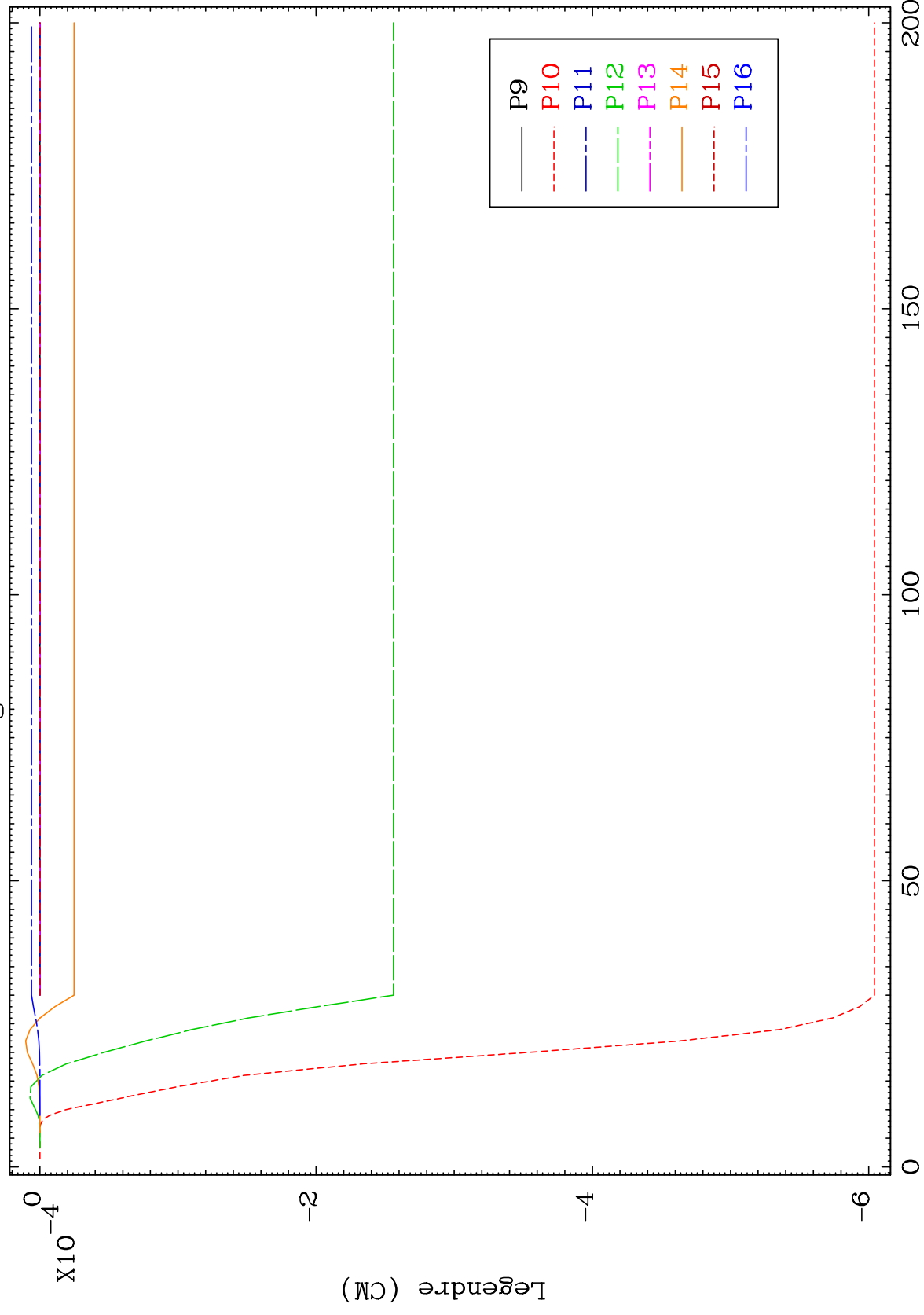
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



27

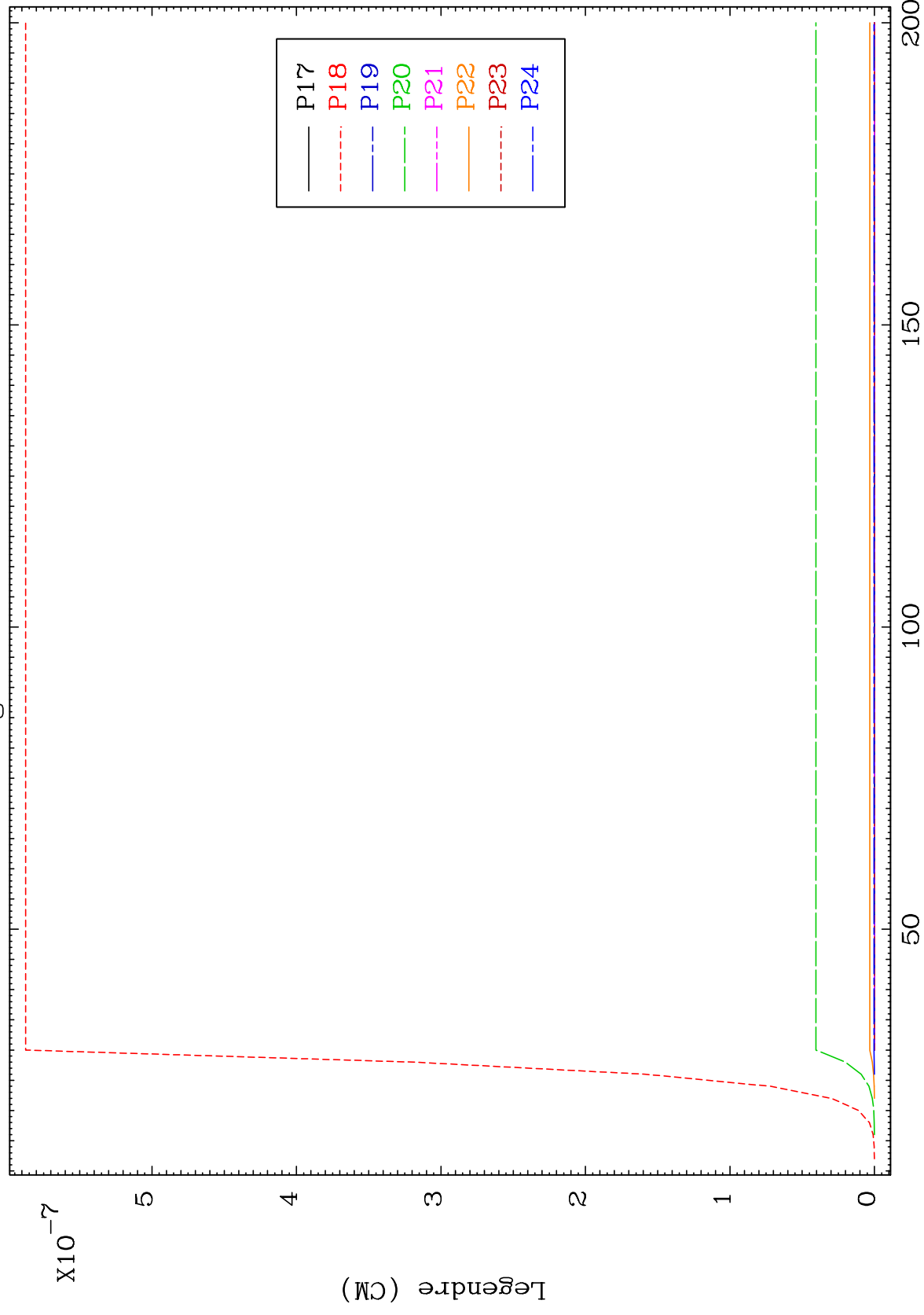
Incident Energy (MeV)

39-Y -86

MAT 3916

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

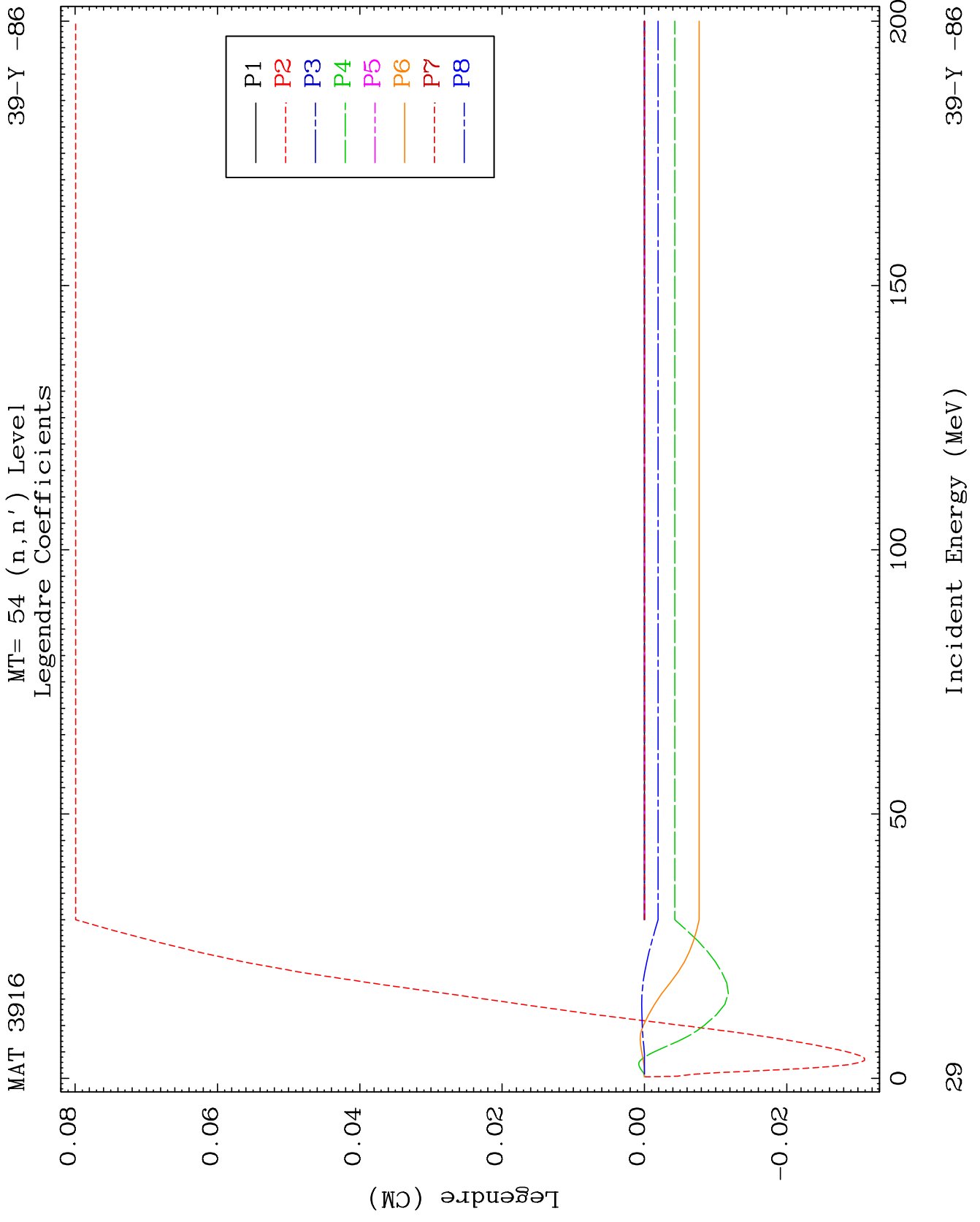
39-Y -86



28

Incident Energy (MeV)

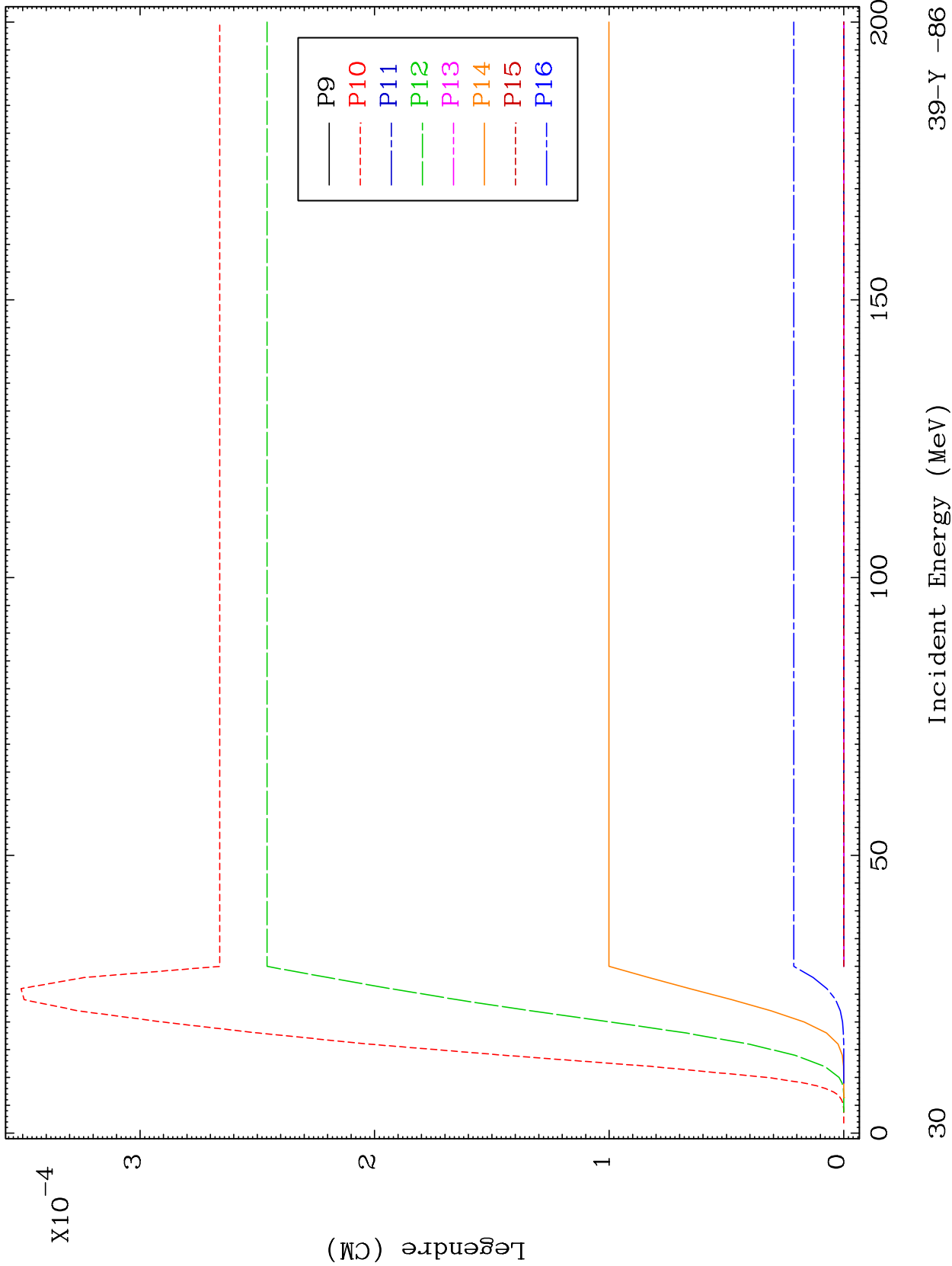
39-Y -86



MAT 3916

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

39-Y -86

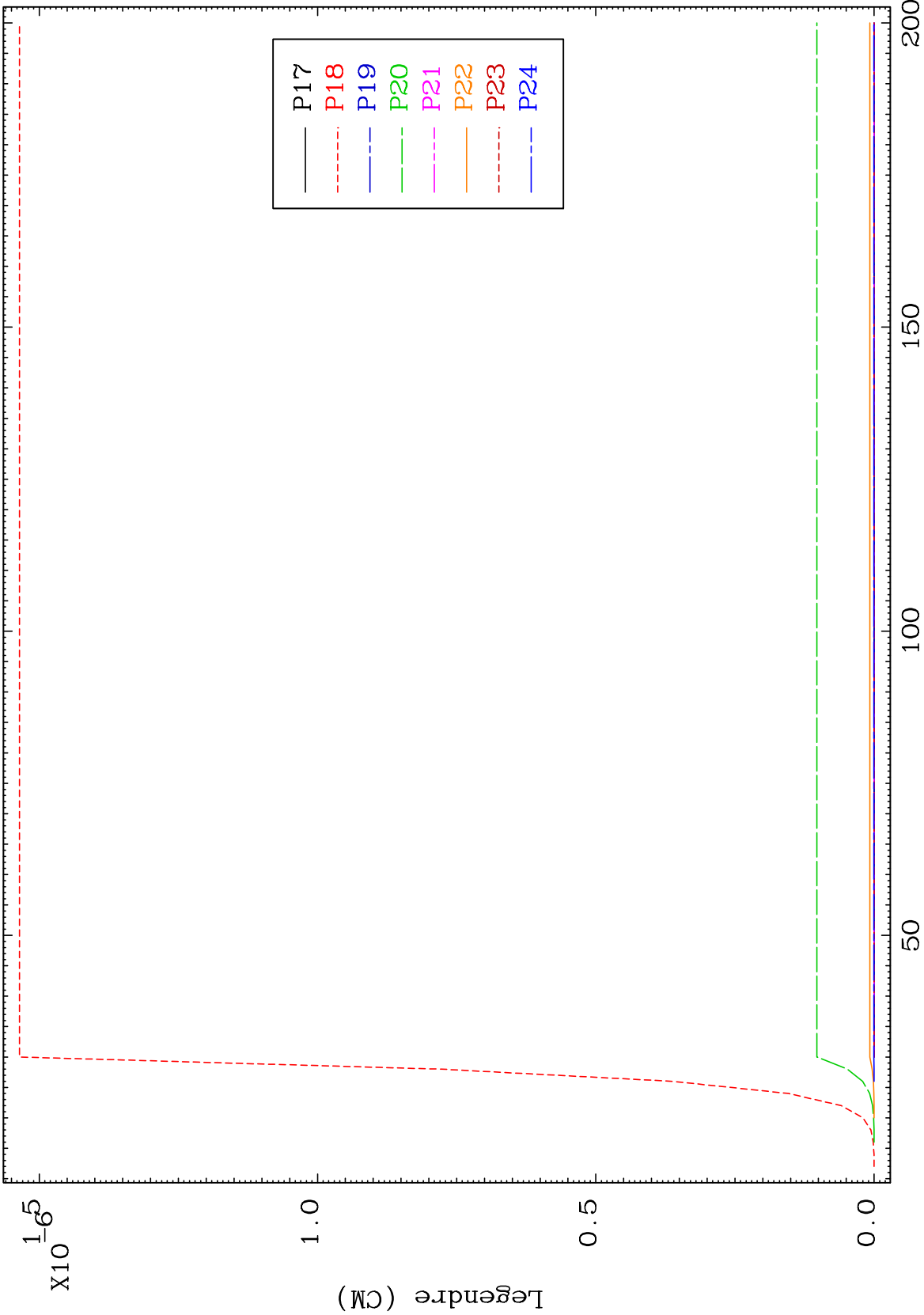


39-Y -86

MAT 3916

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

39-Y -86

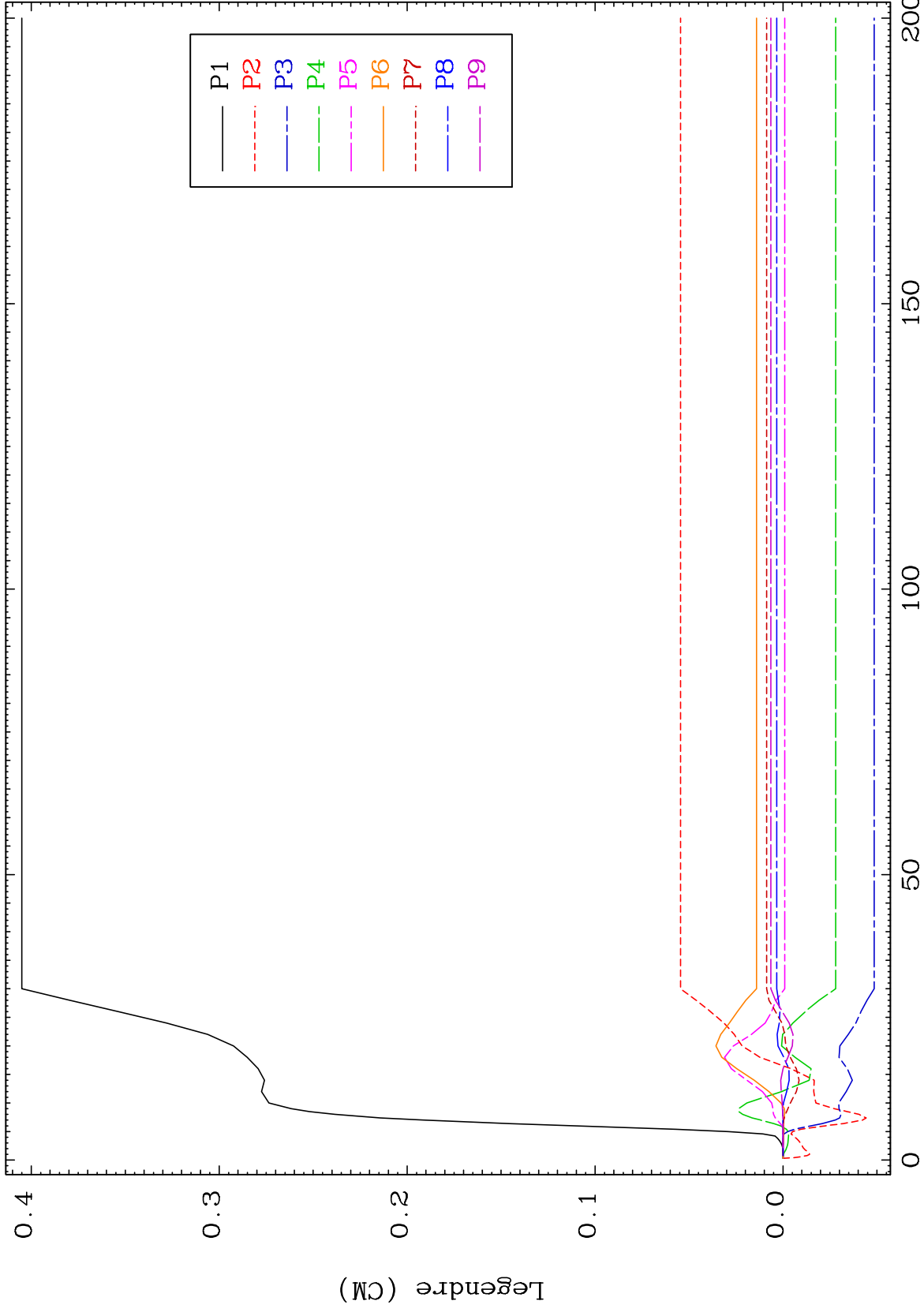


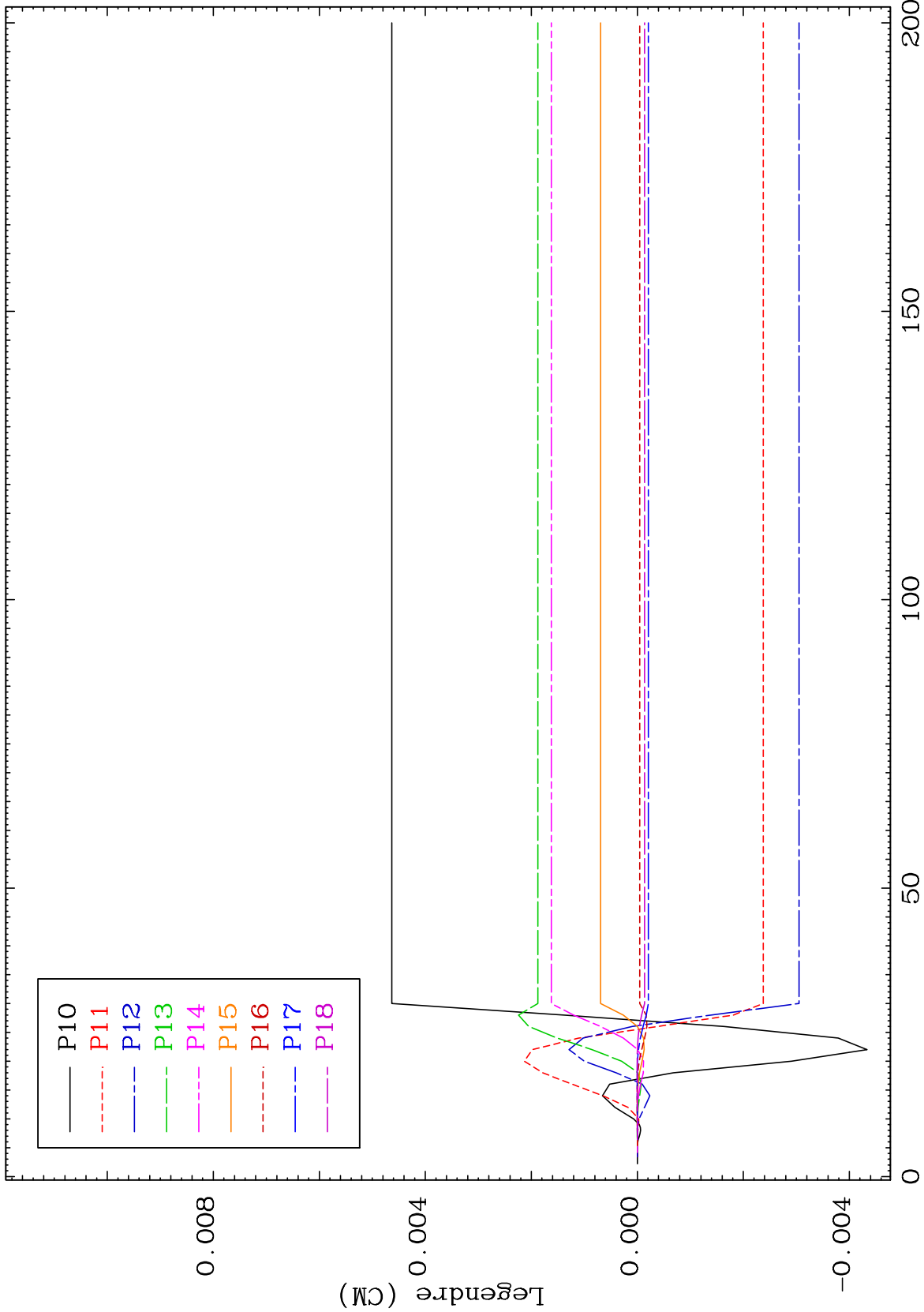
31

Incident Energy (MeV)

39-Y -86



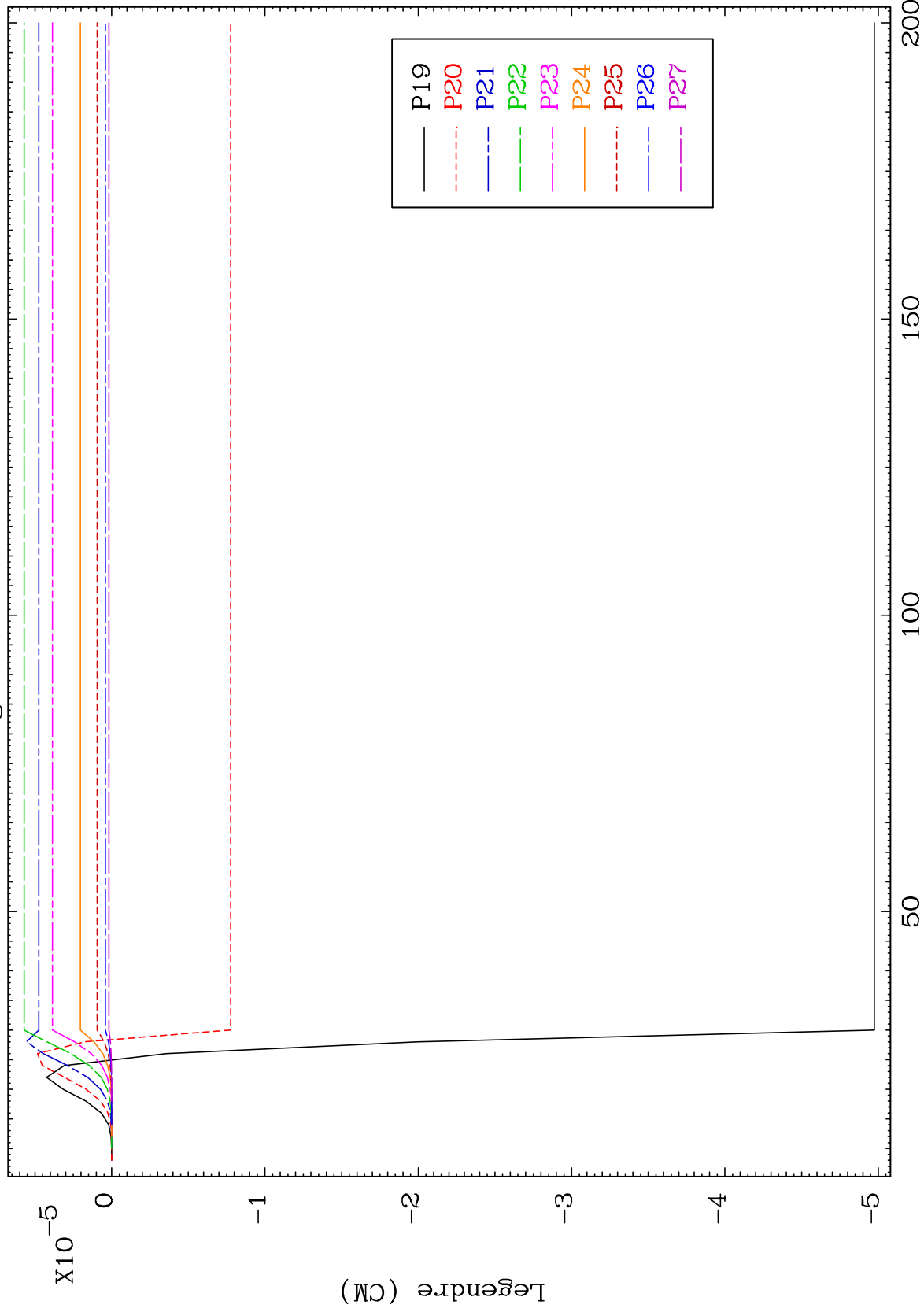




MAT 3916

39-Y -86

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



34

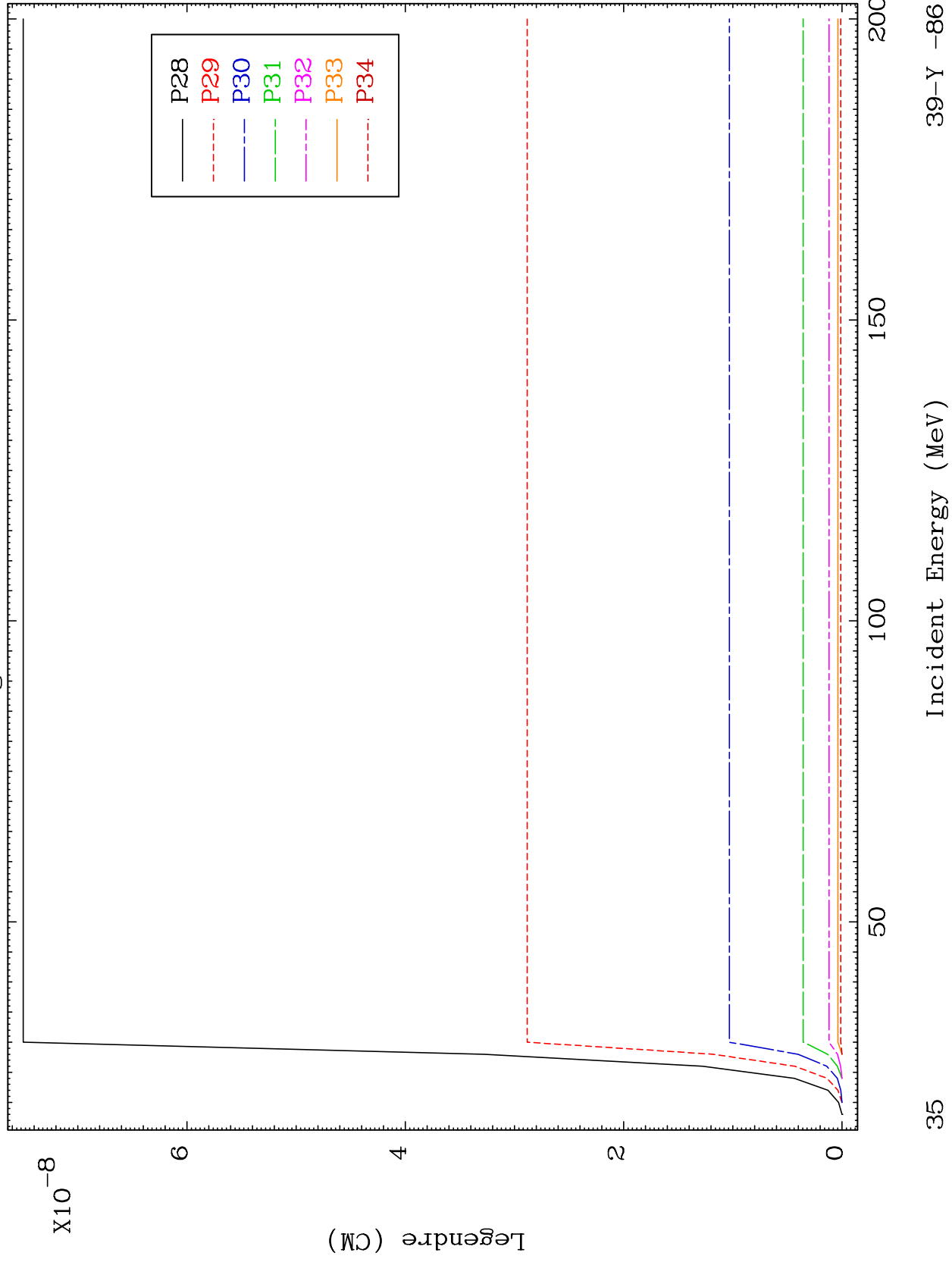
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86

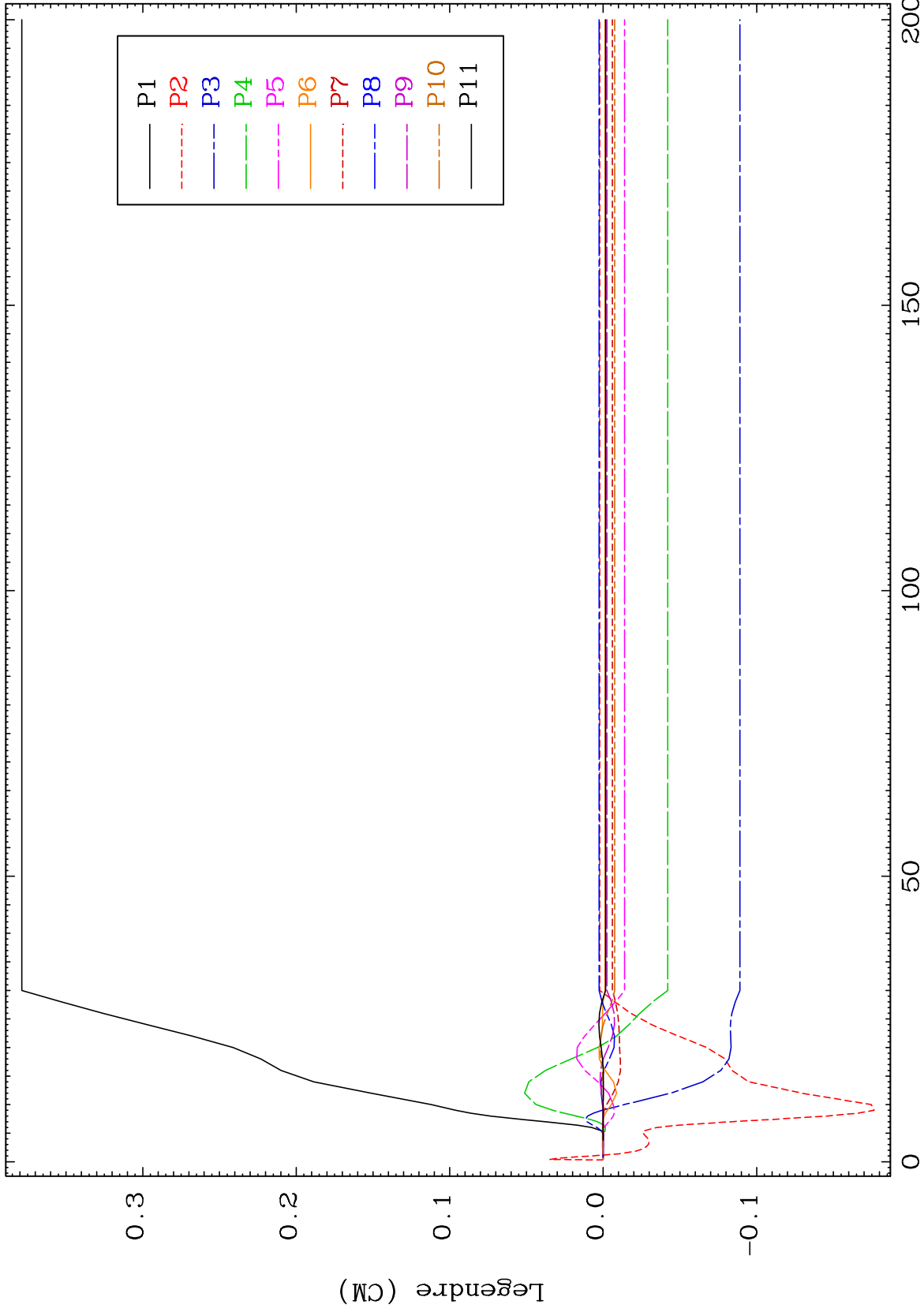


P28  
P29  
P30  
P31  
P32  
P33  
P34

MAT 3916

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

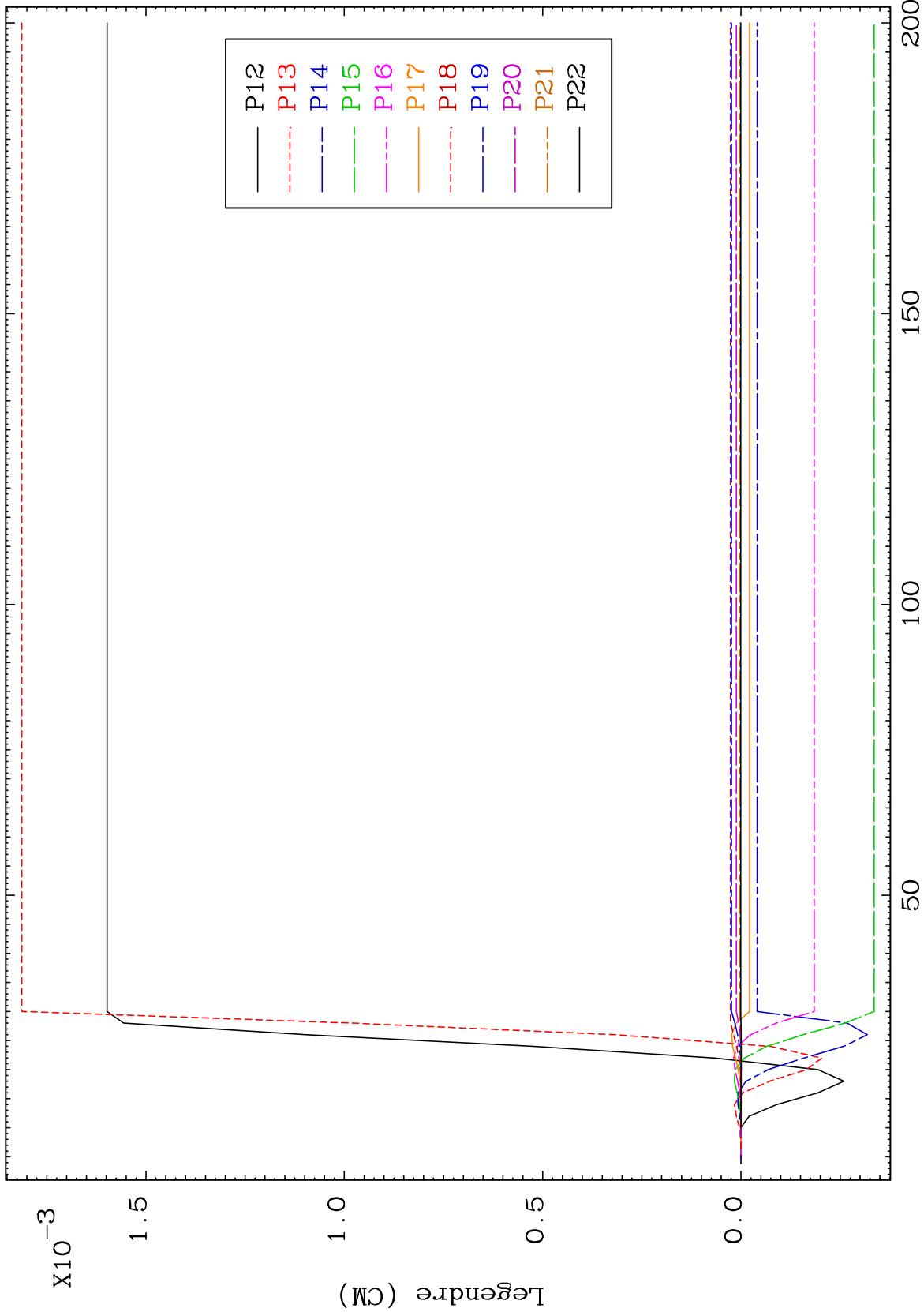
39-Y -86



36

Incident Energy (MeV)

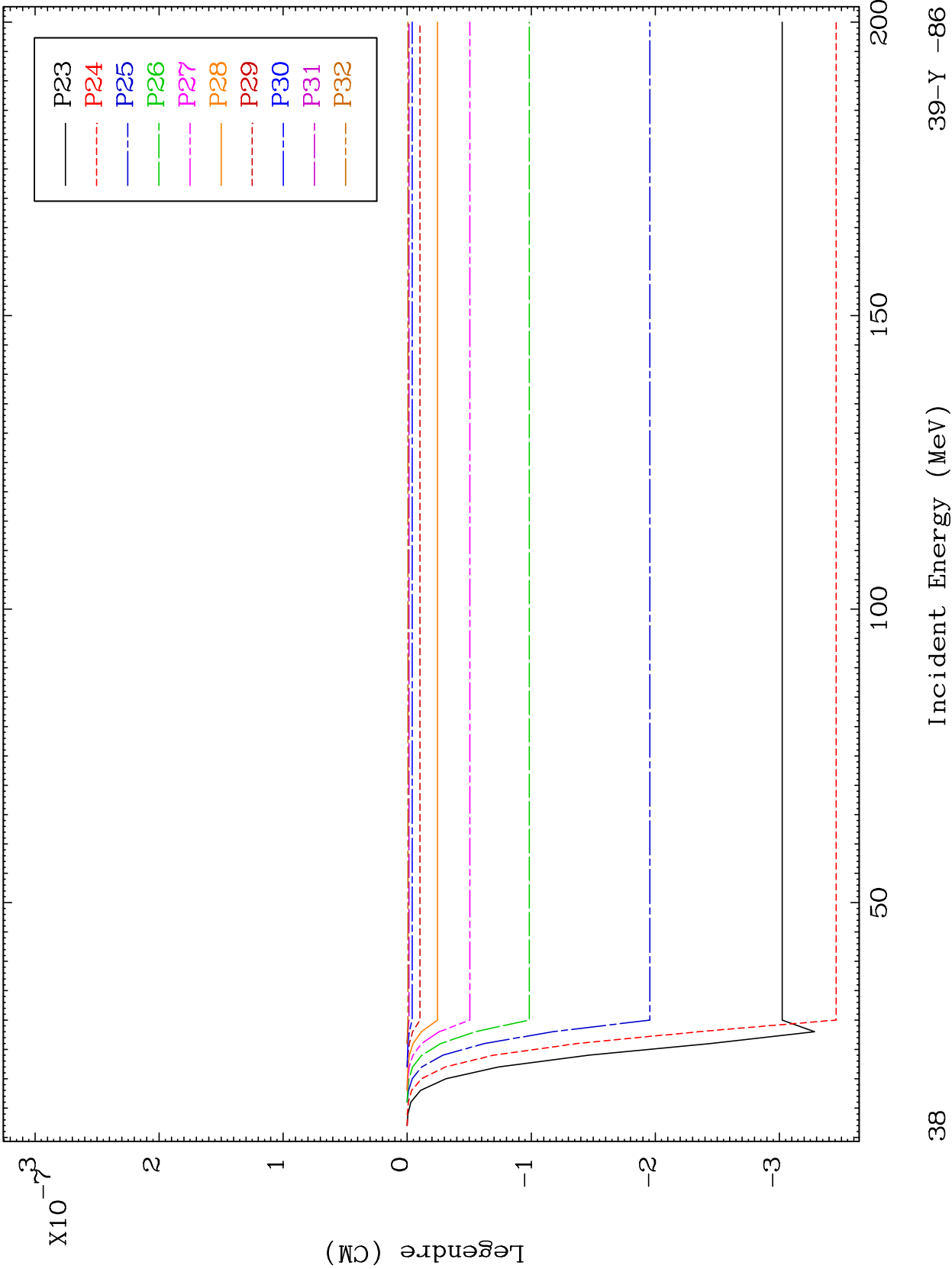
39-Y -86



MAT 3916

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

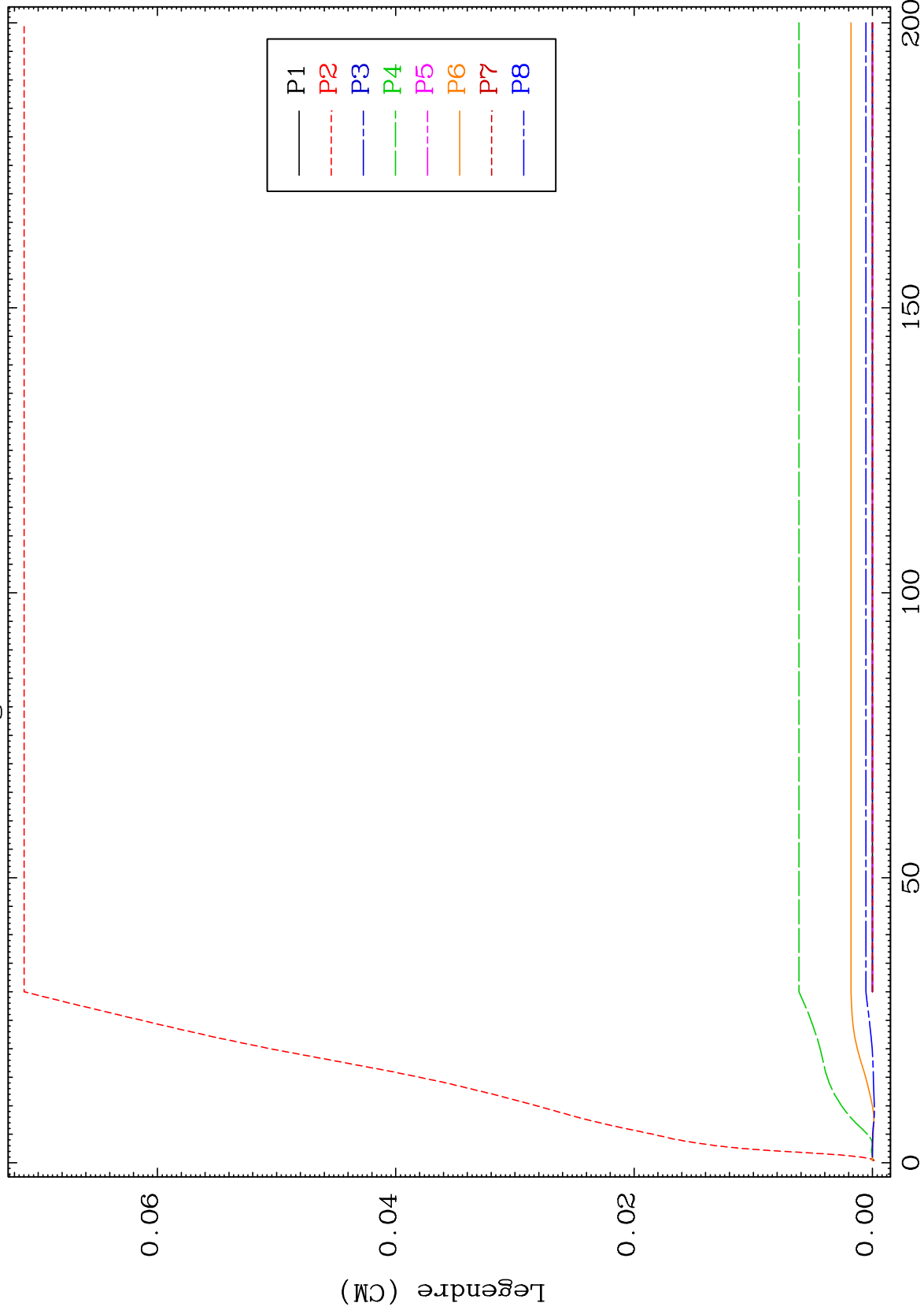
39-Y -86



MAT 3916

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

39-Y -86



39

Incident Energy (MeV)

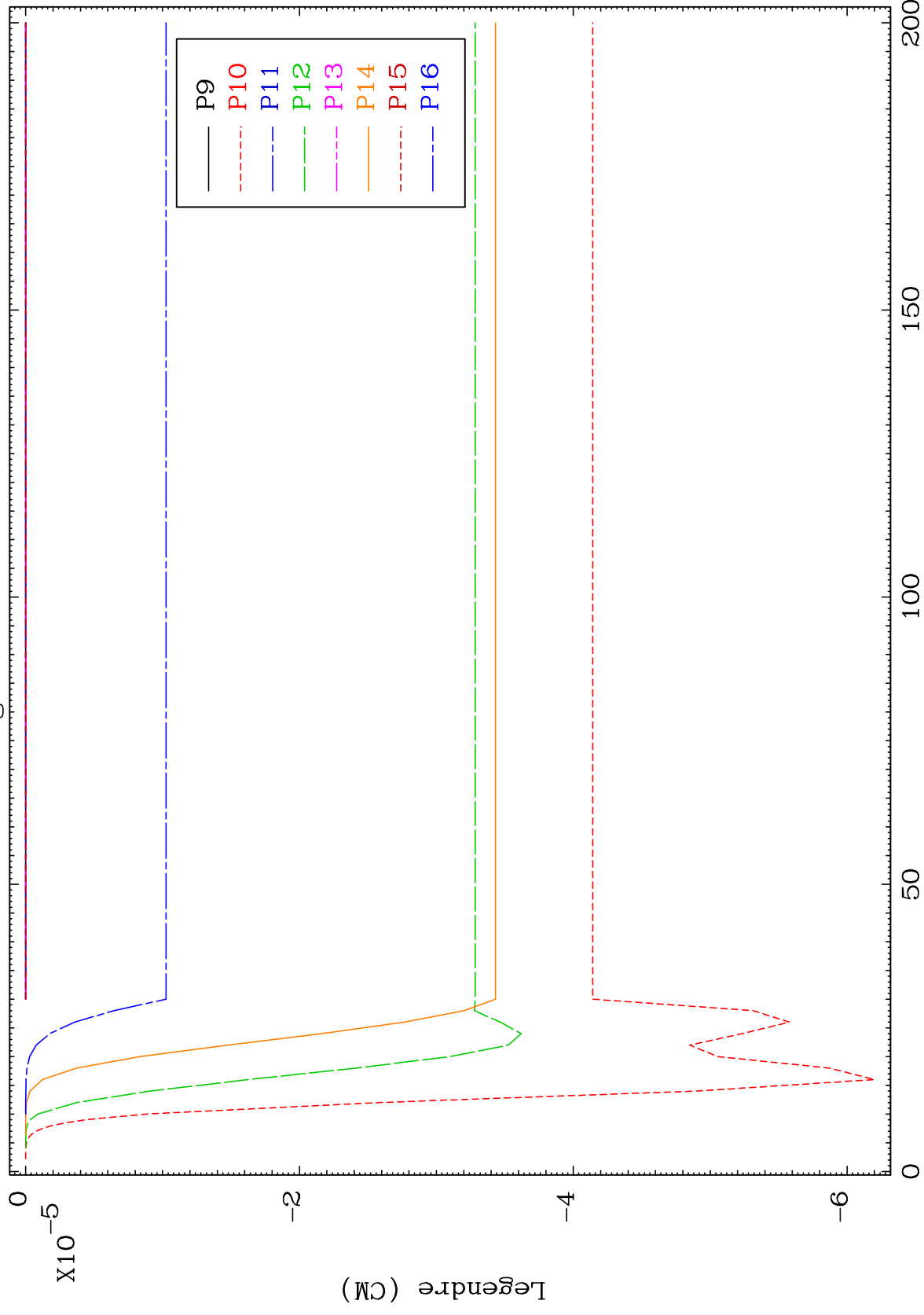
39-Y -86



MAT 3916

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

39-Y -86



39-Y -86

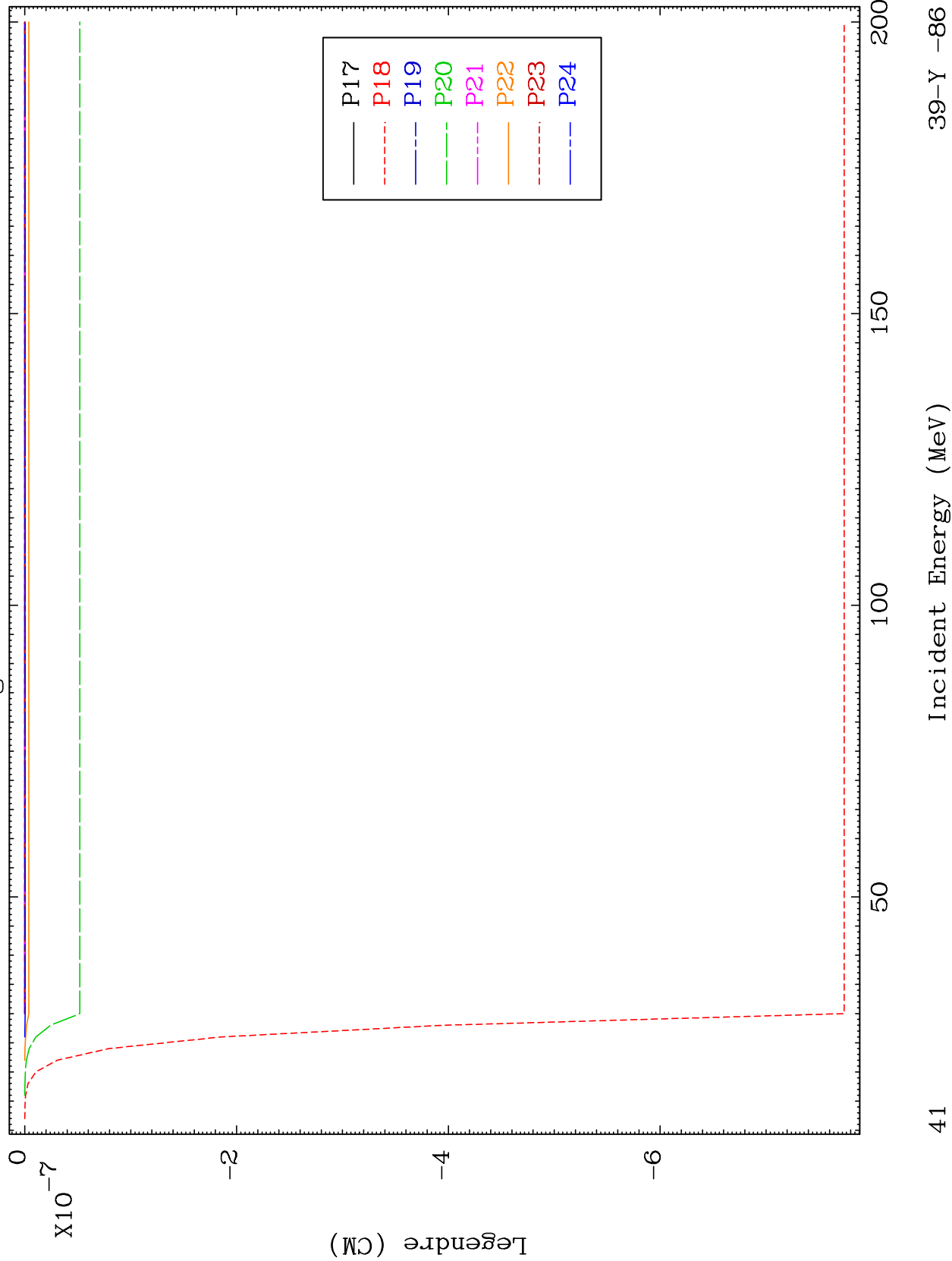
Incident Energy (MeV)

40

MAT 3916

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

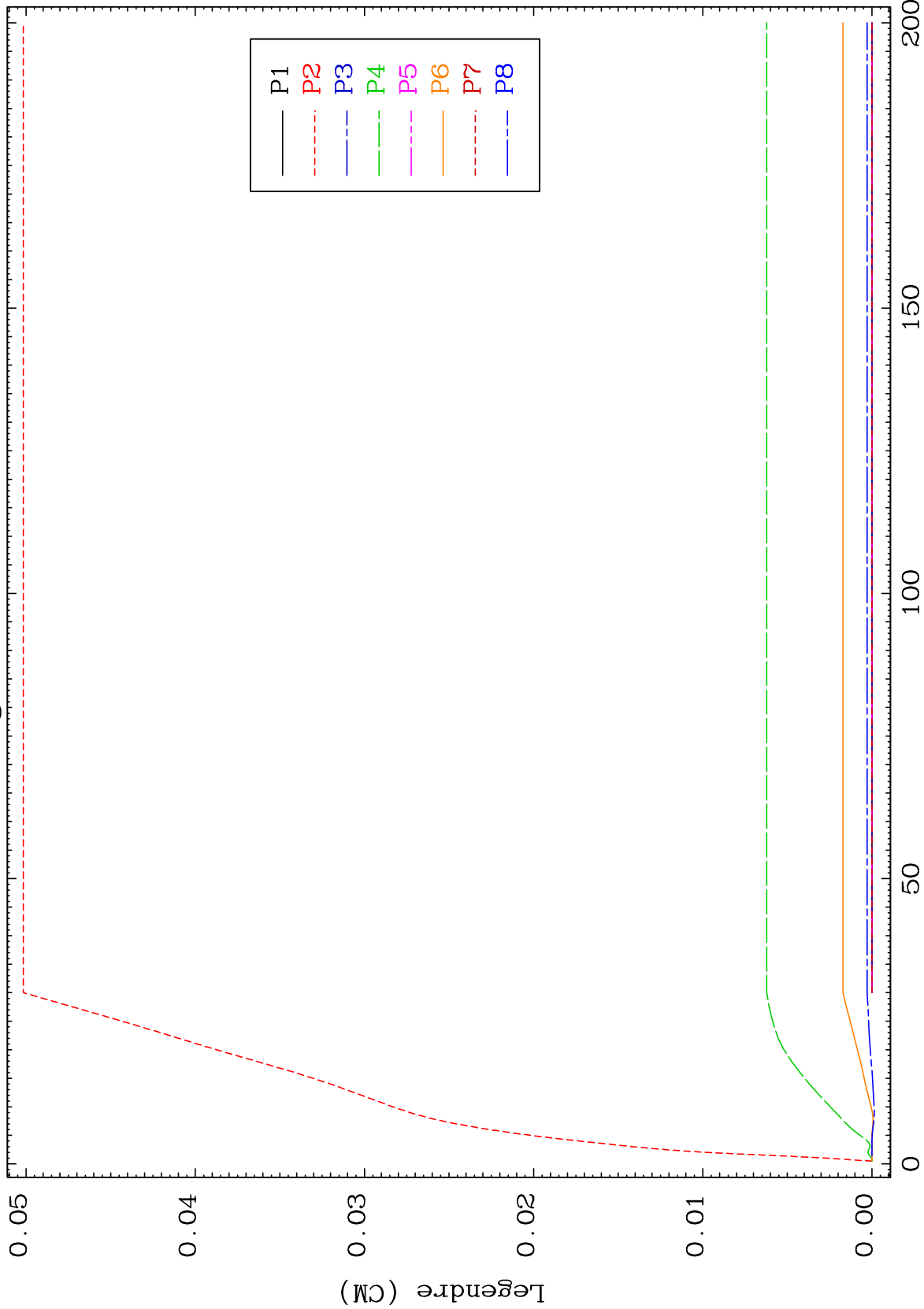
39-Y -86



MAT 3916

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

39-Y -86



42

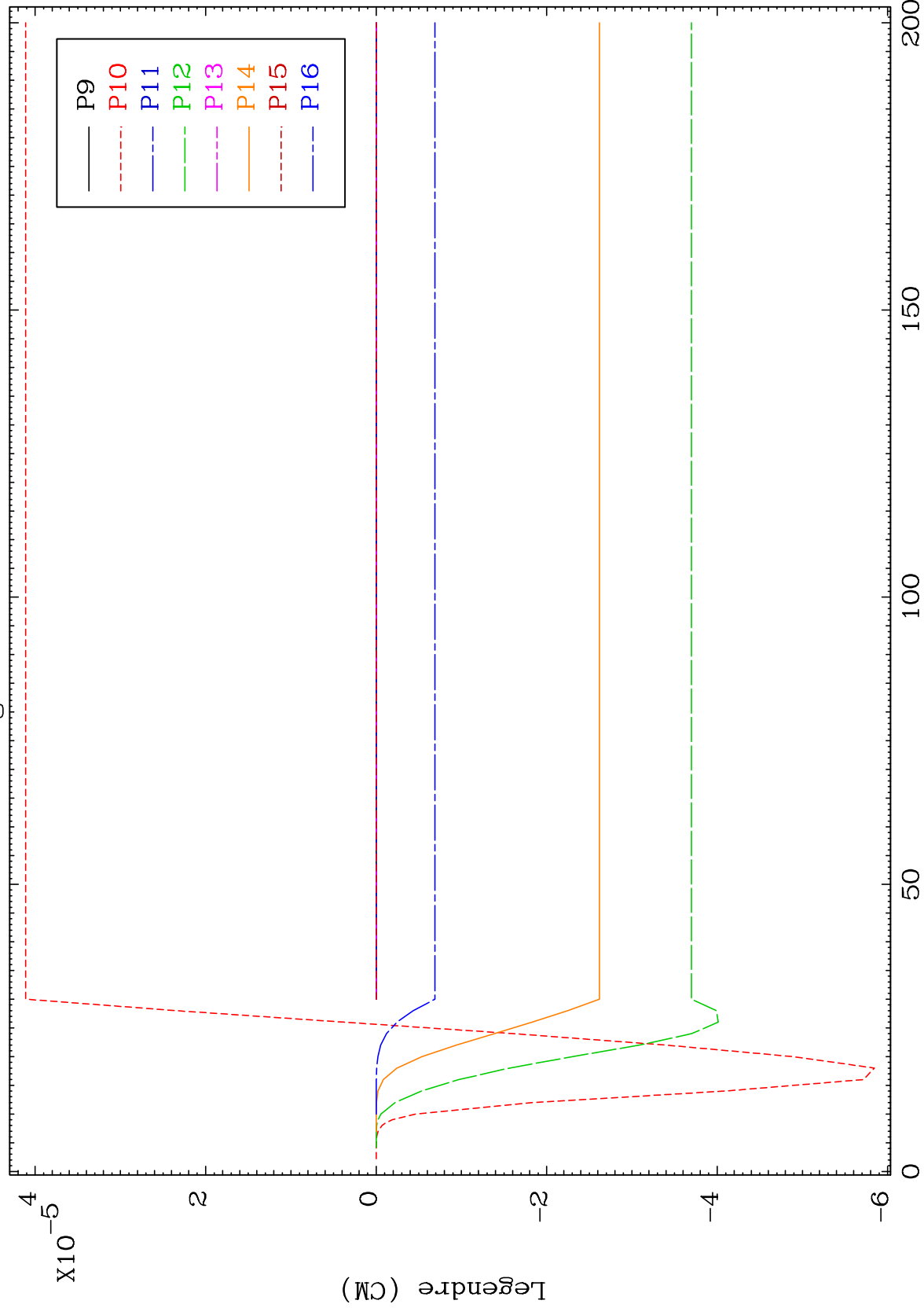
Incident Energy (MeV)

39-Y -86

MAT 3916

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

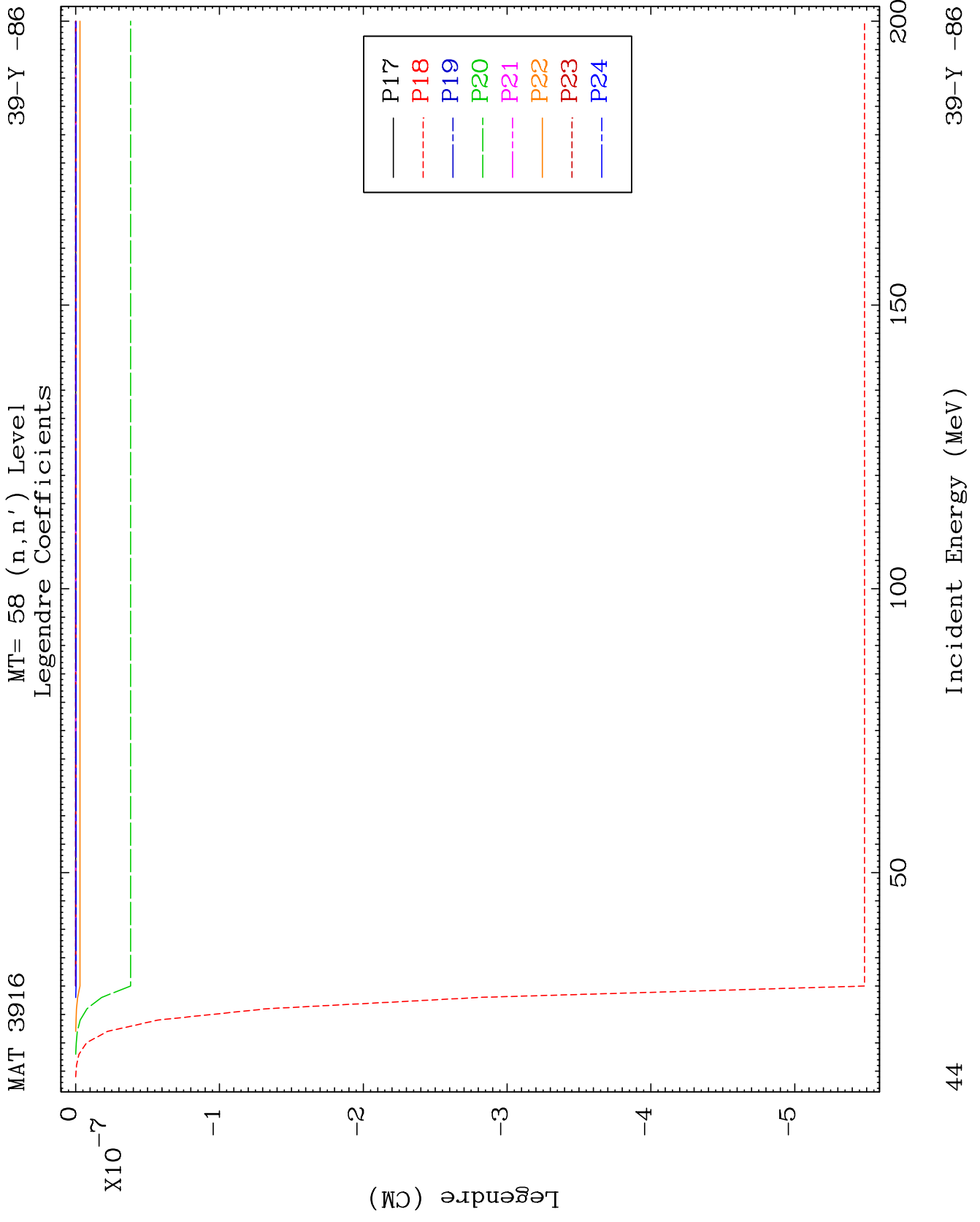
39-Y -86



43

Incident Energy (MeV)

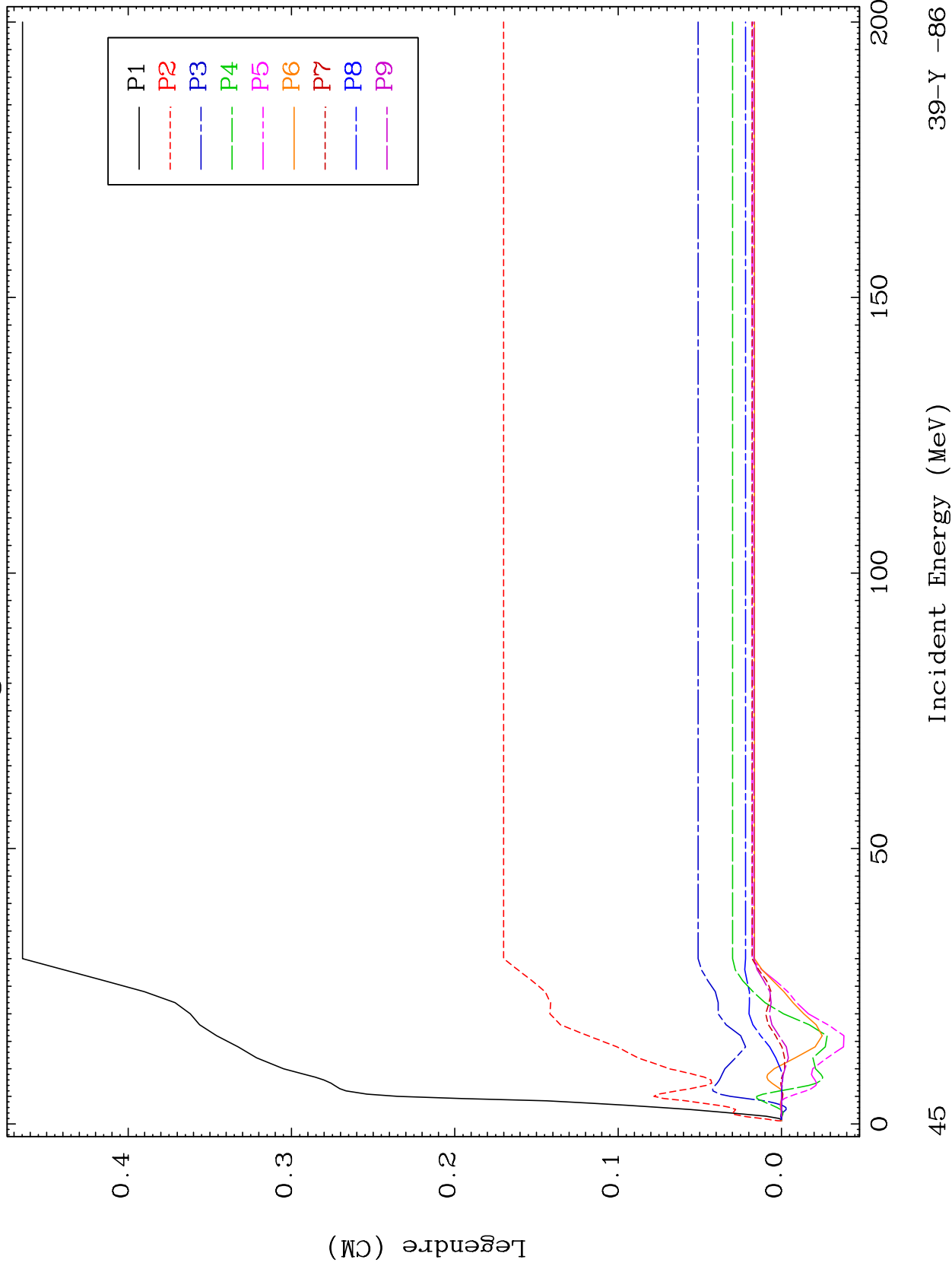
39-Y -86



MAT 3916

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

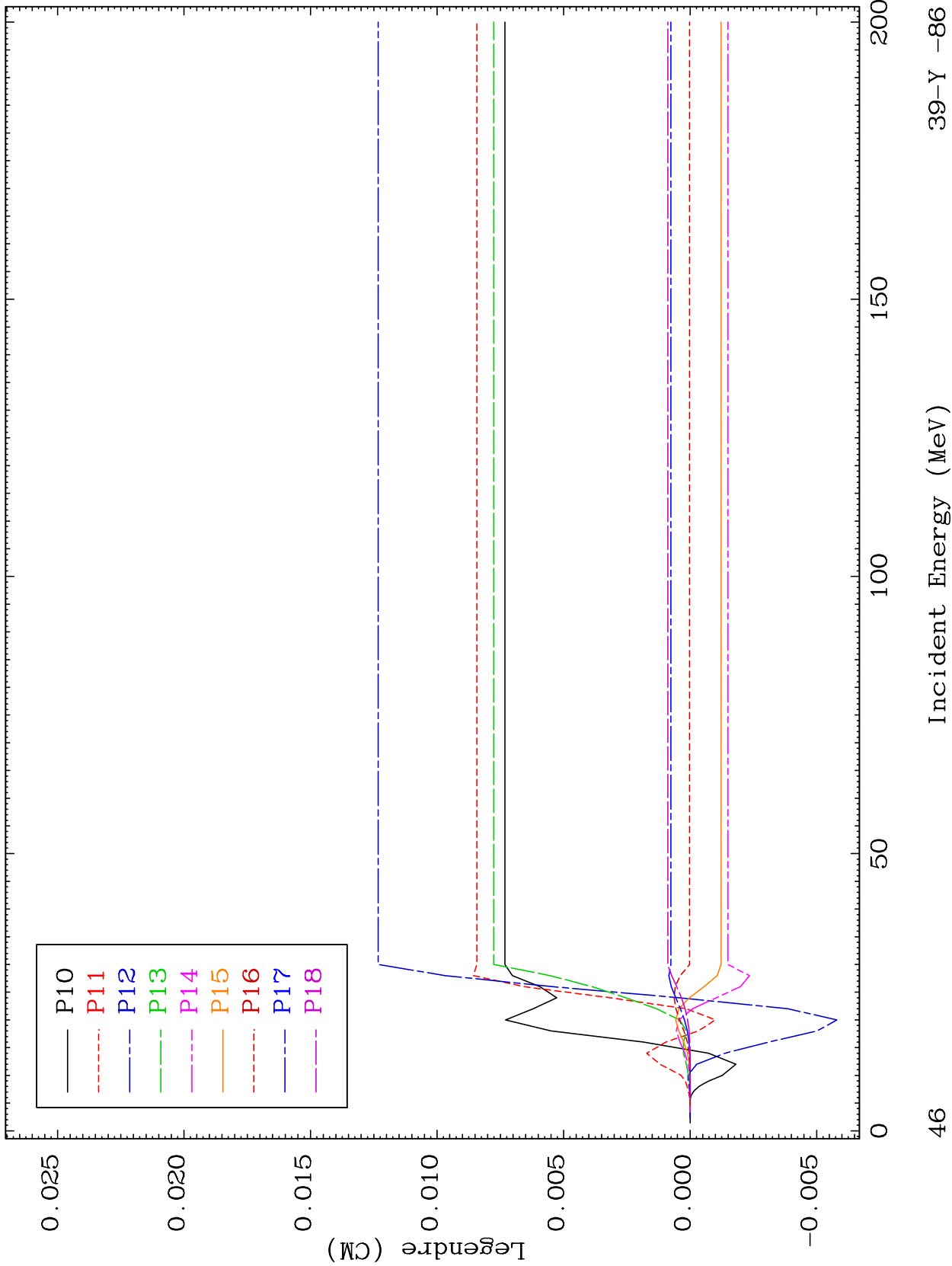
39-Y -86



MAT 3916

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

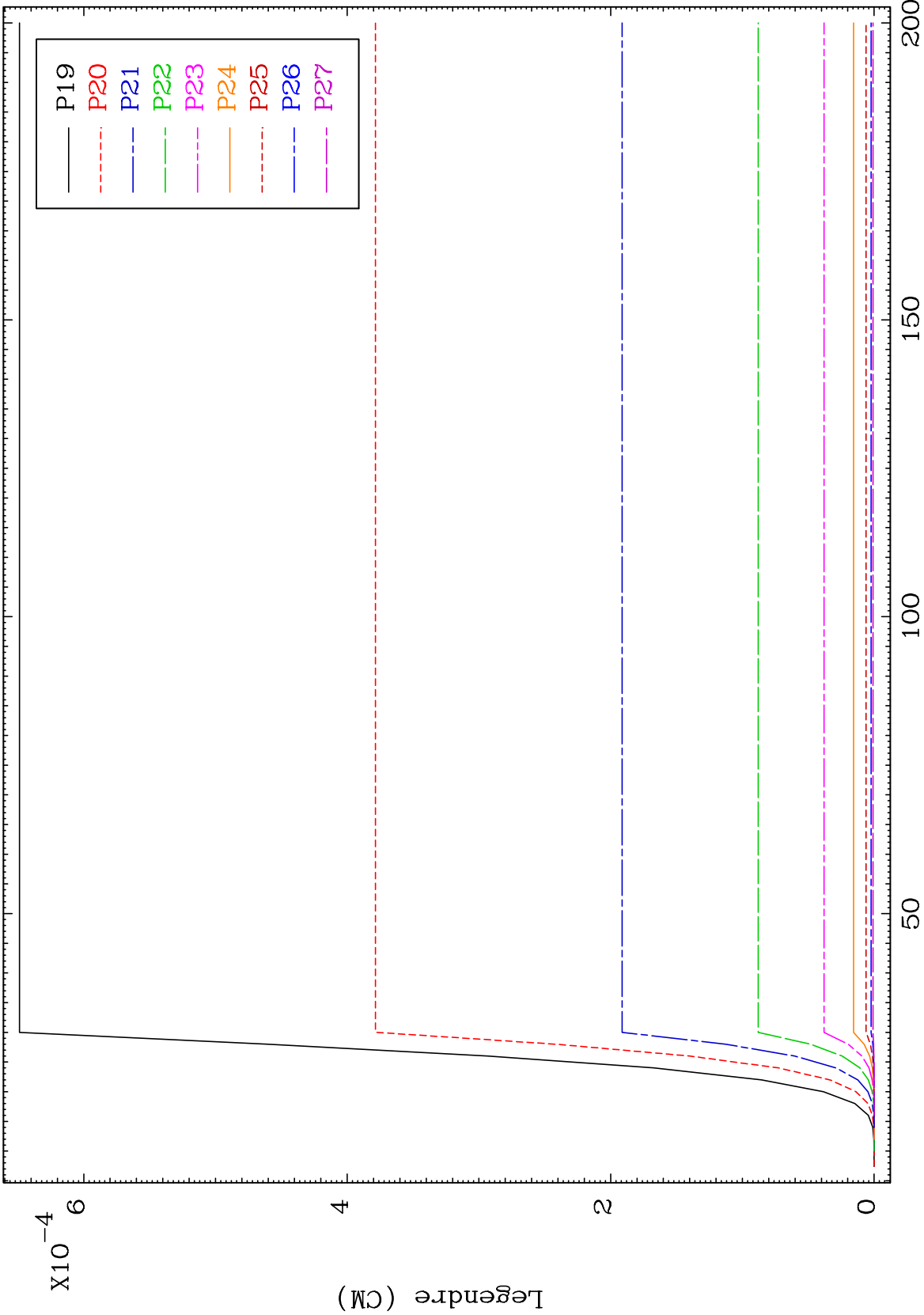
39-Y -86



MAT 3916

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

39-Y -86



47

Incident Energy (MeV)

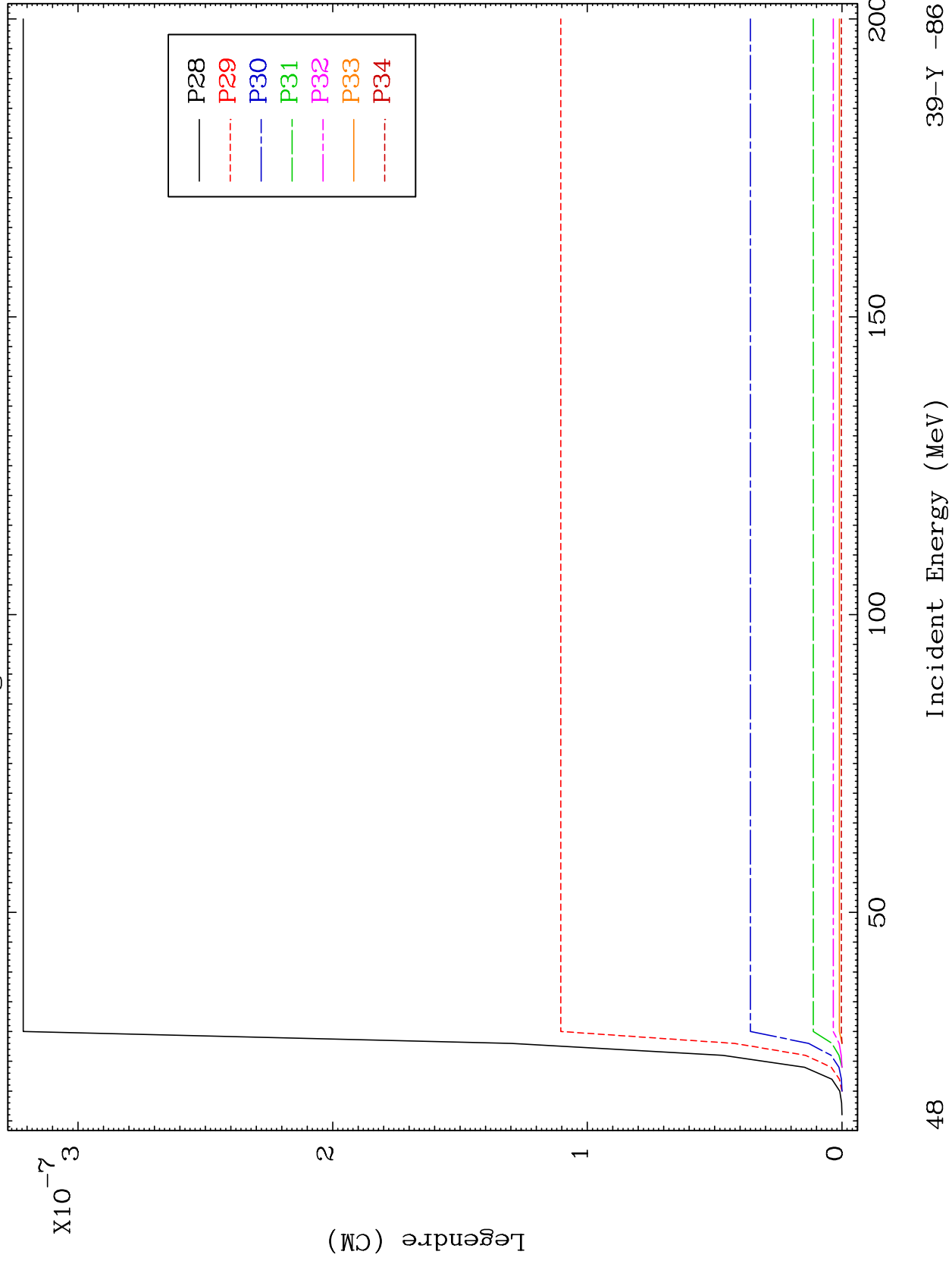
39-Y -86



MAT 3916

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

39-Y -86



48

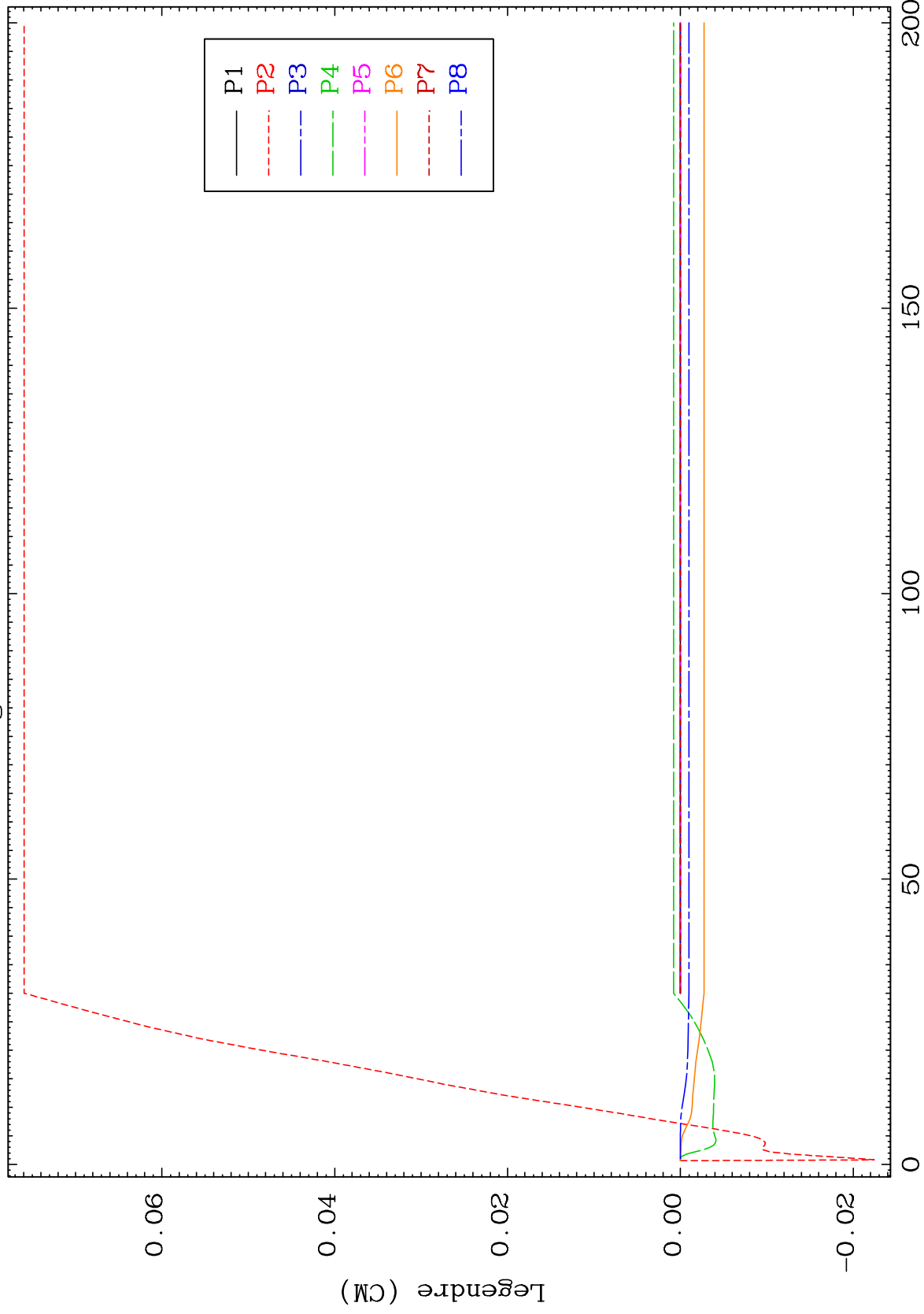
Incident Energy (MeV)

39-Y -86

MAT 3916

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

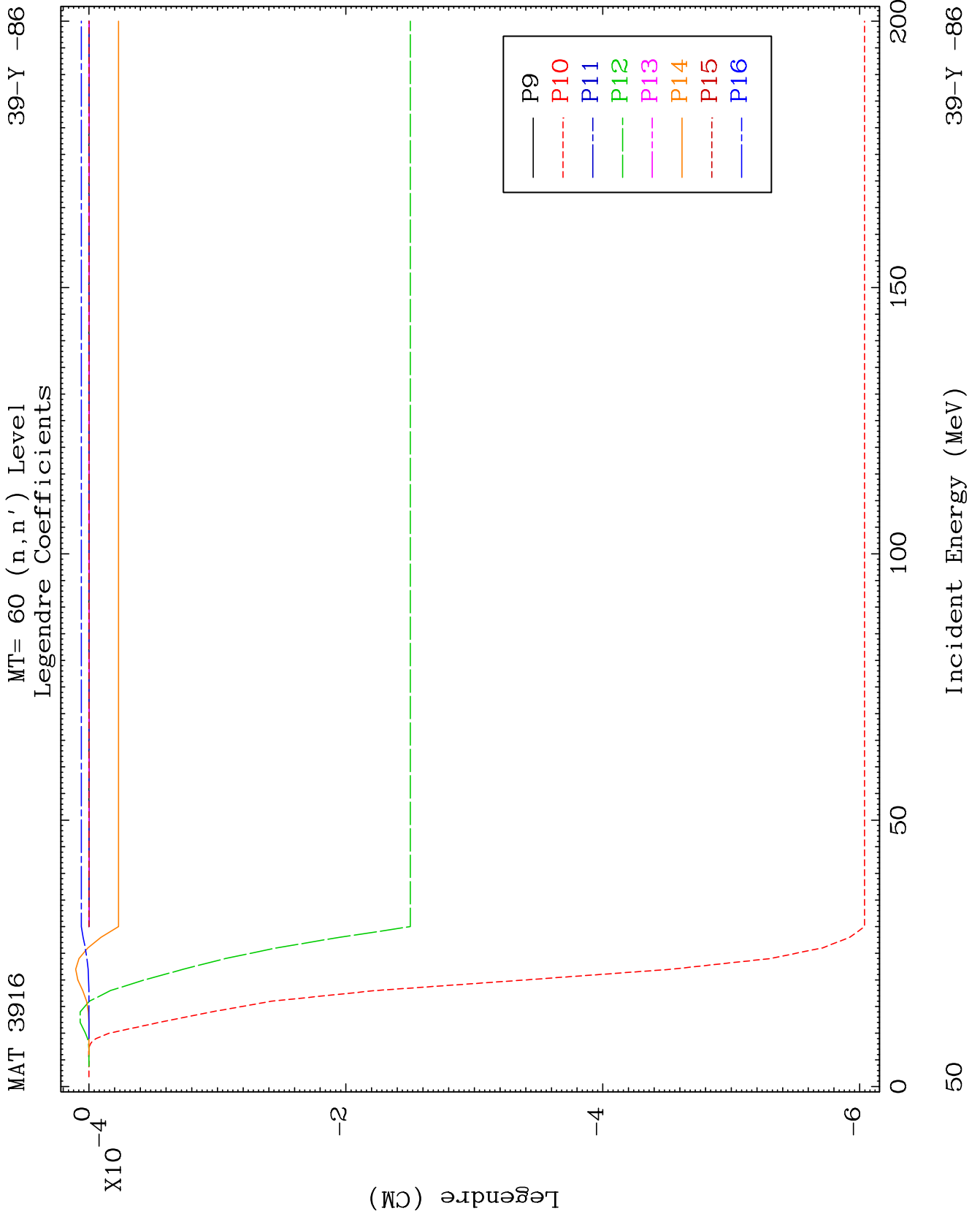
39-Y -86



49

Incident Energy (MeV)

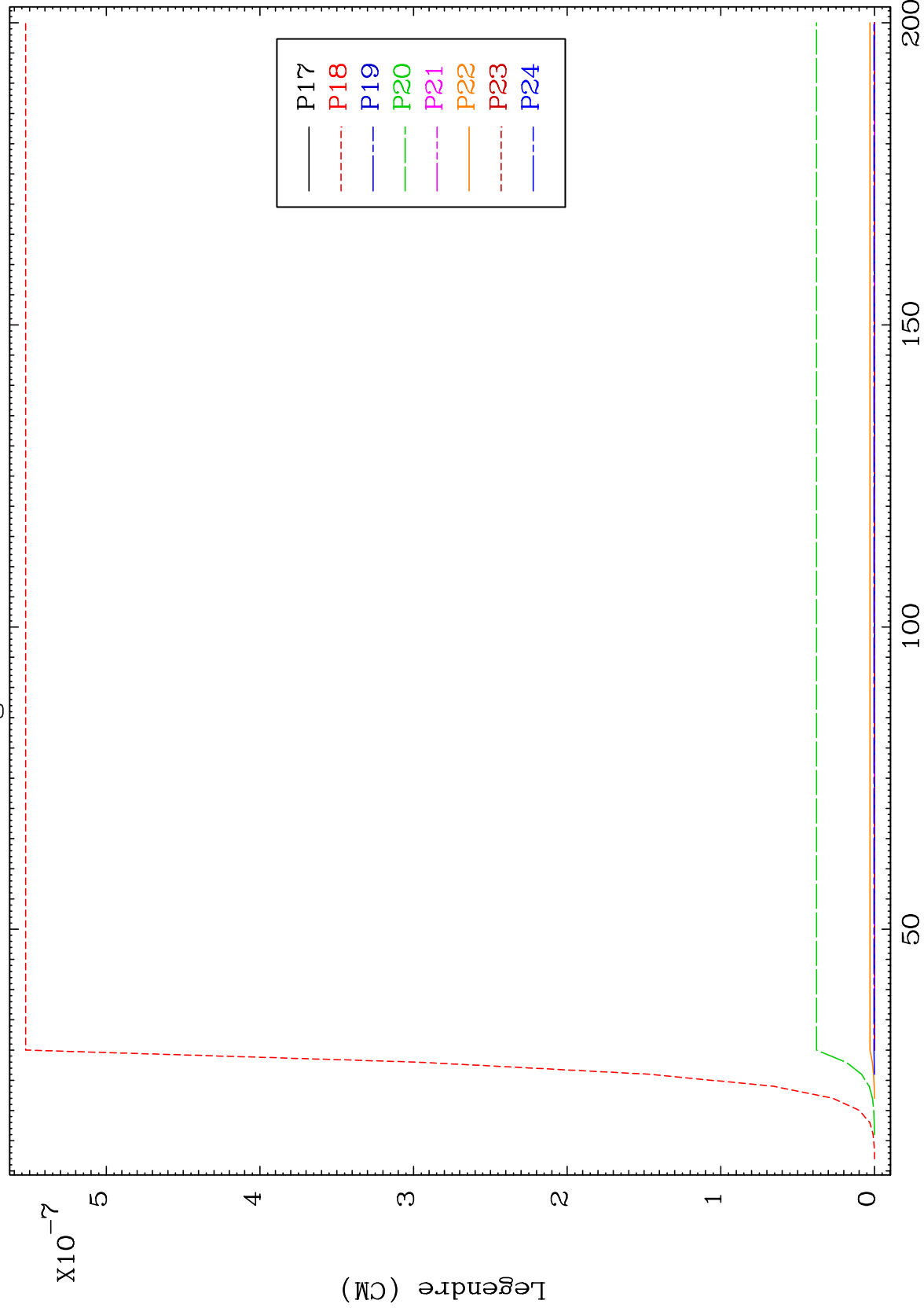
39-Y -86



MAT 3916

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

39-Y -86



39-Y -86

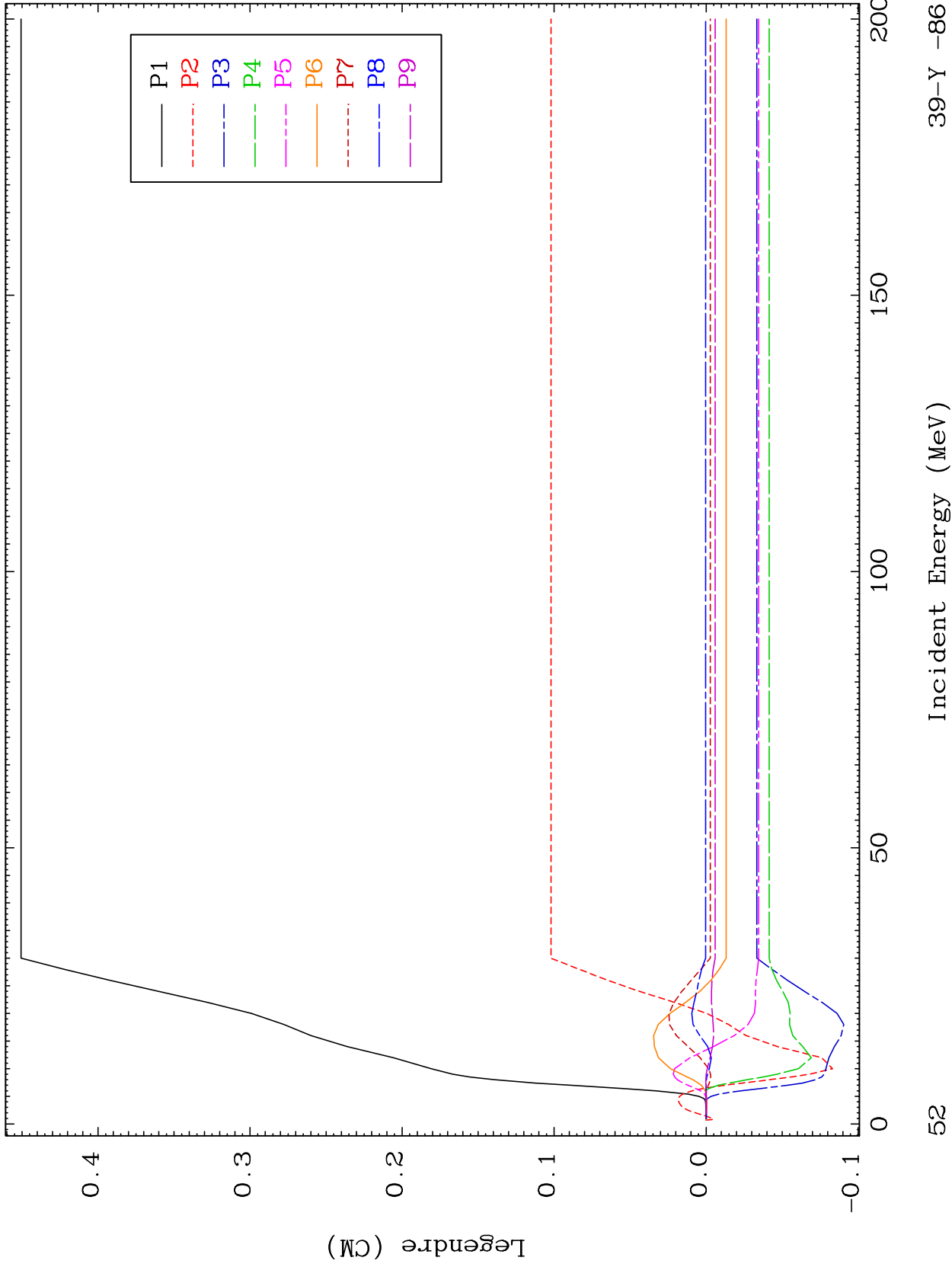
Incident Energy (MeV)

51

MAT 3916

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

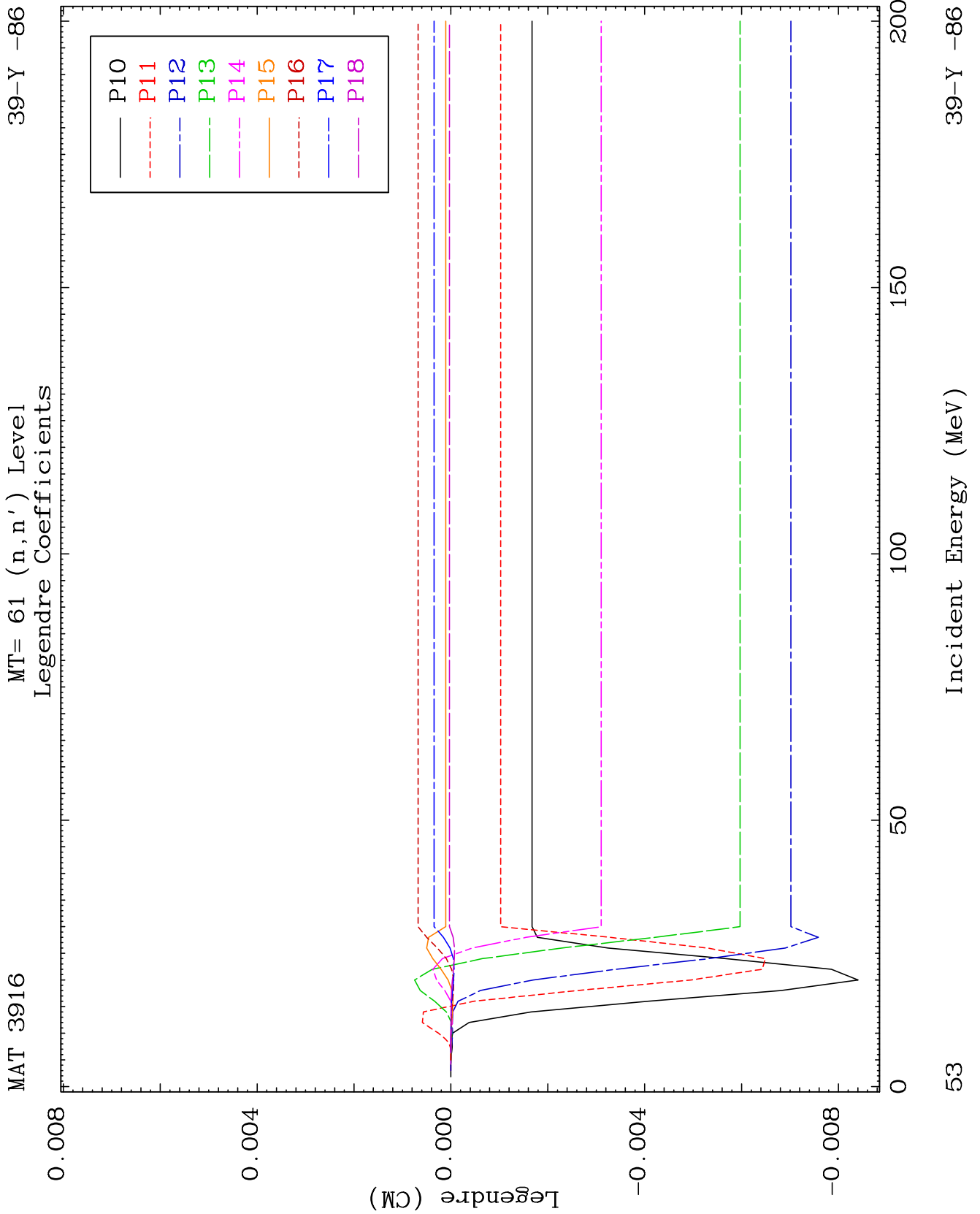
39-Y -86



52

Incident Energy (MeV)

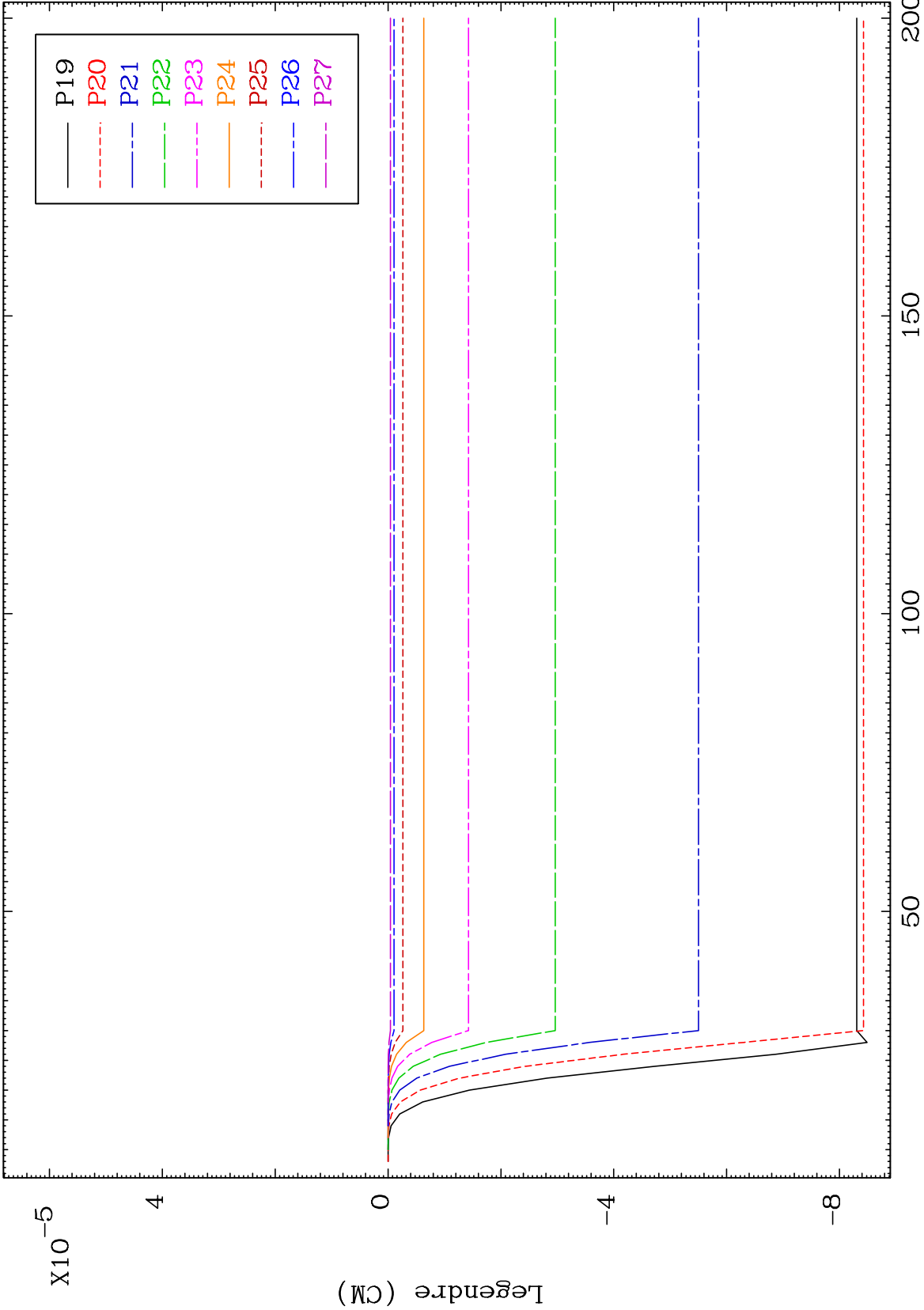
39-Y -86



MAT 3916

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

39-Y -86



54

Incident Energy (MeV)

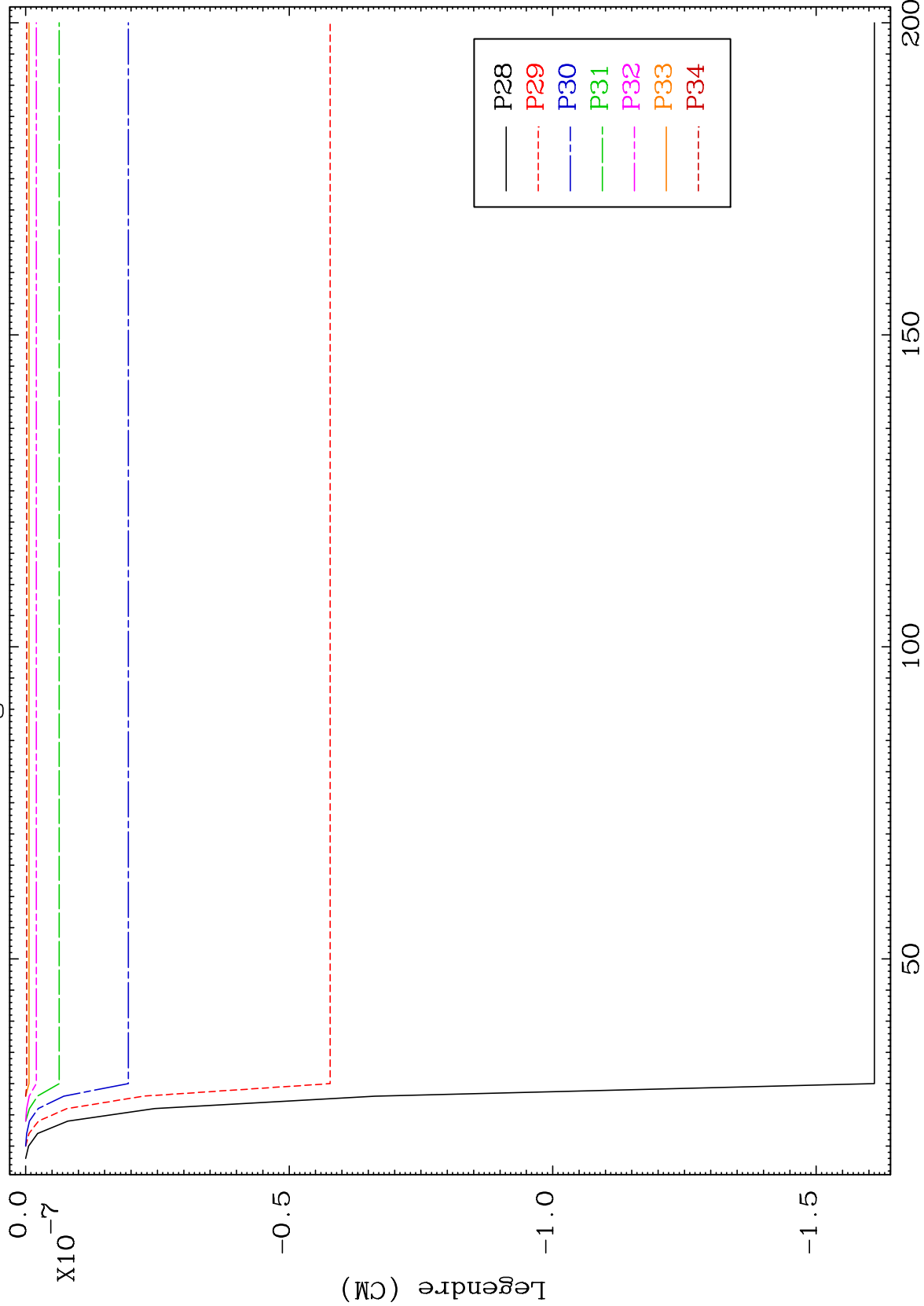
39-Y -86

MAT 3916

MT= 61 (n,n') Level

39-Y -86

Legendre Coefficients



55

Incident Energy (MeV)

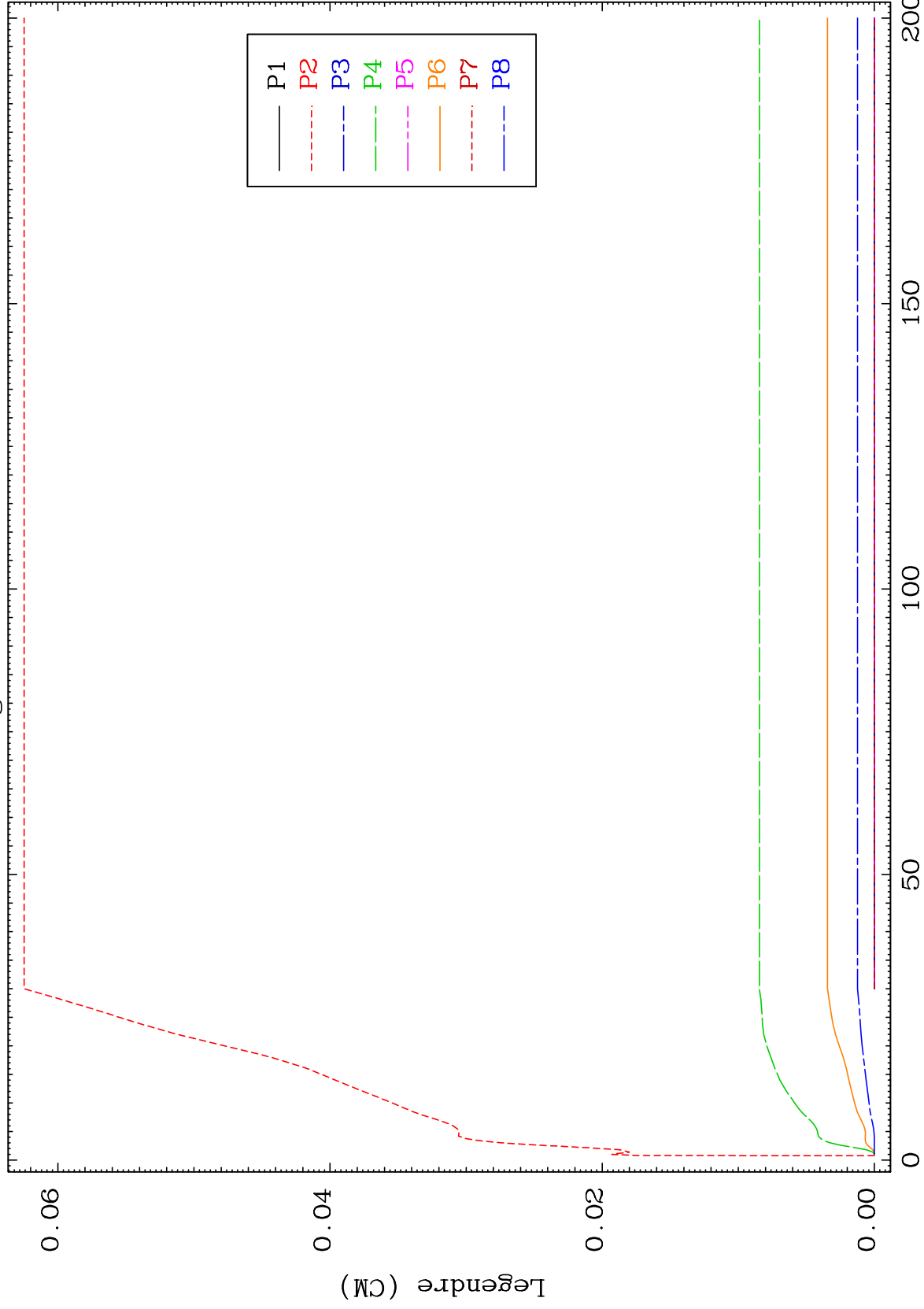
39-Y -86



MAT 3916

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

39-Y -86



56

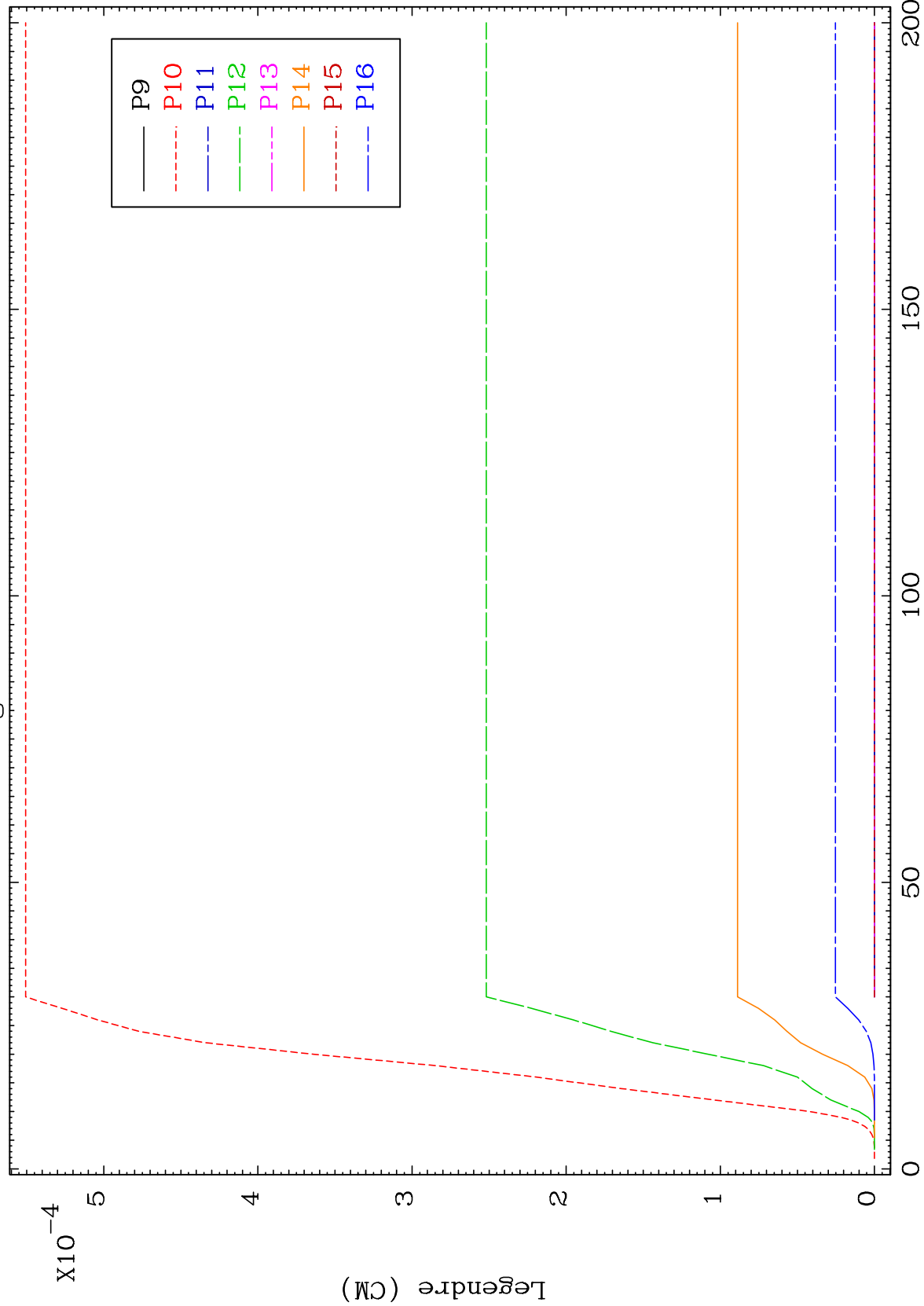
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



57

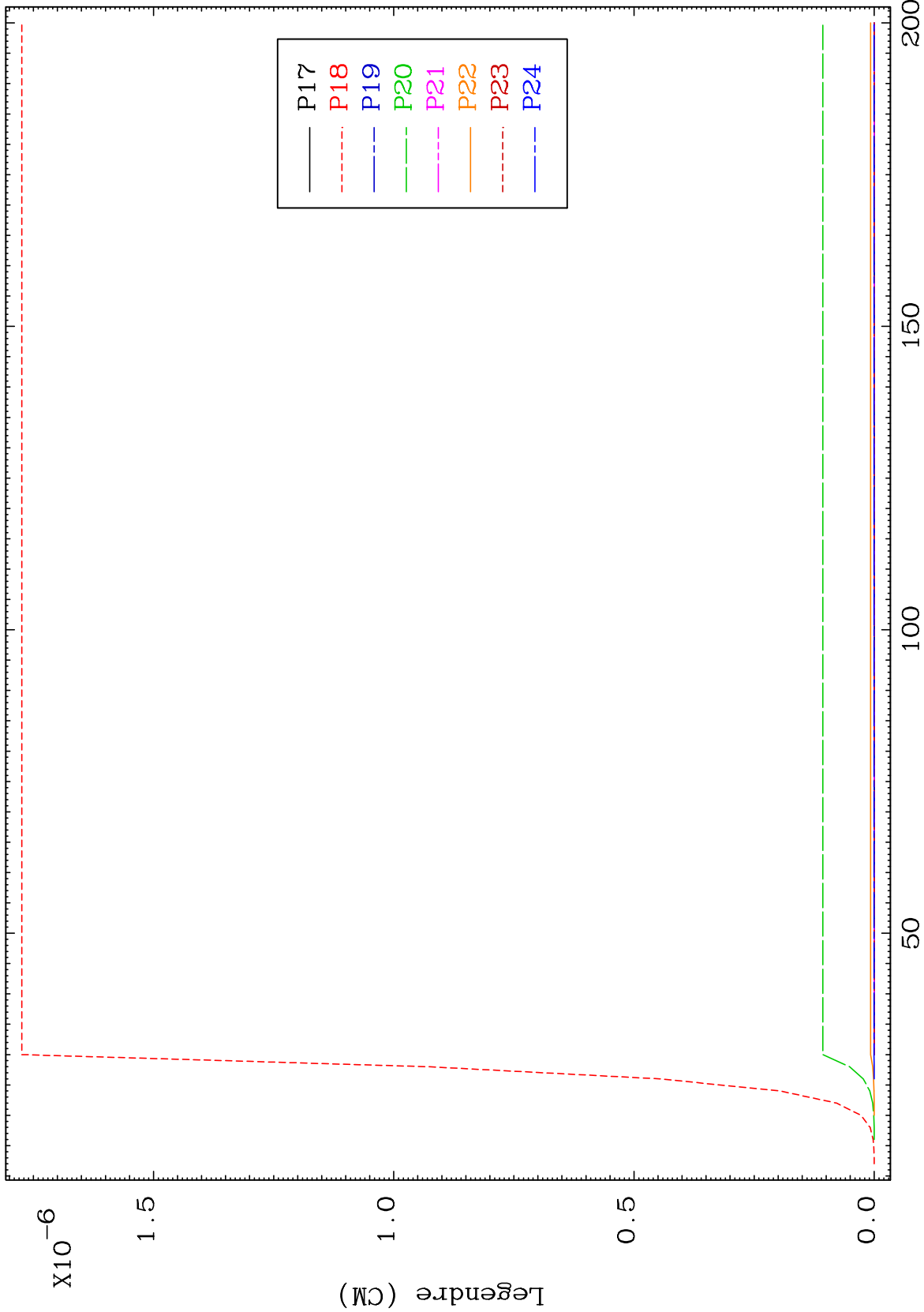
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



58

Incident Energy (MeV)

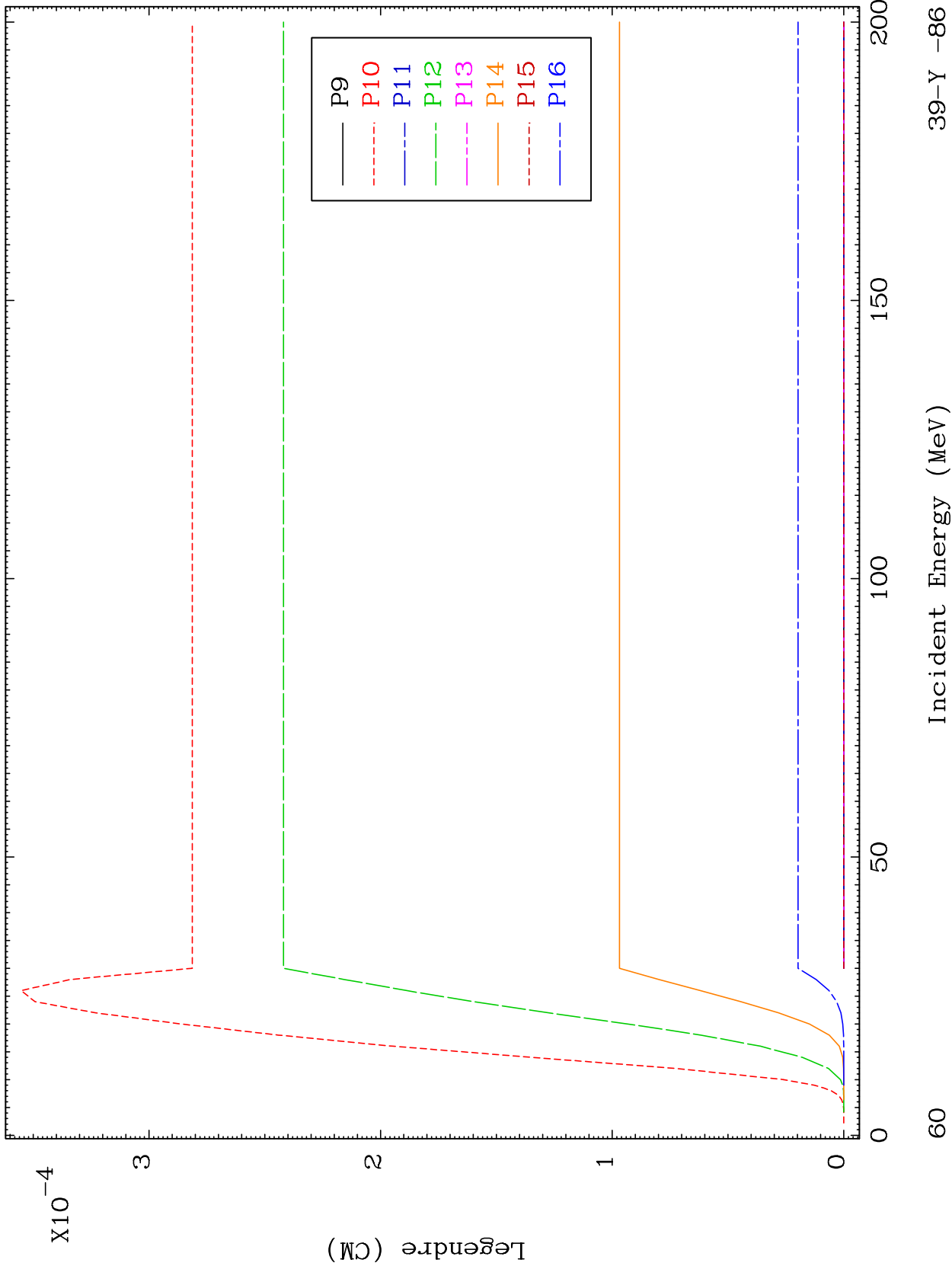
39-Y -86



MAT 3916

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

39-Y -86

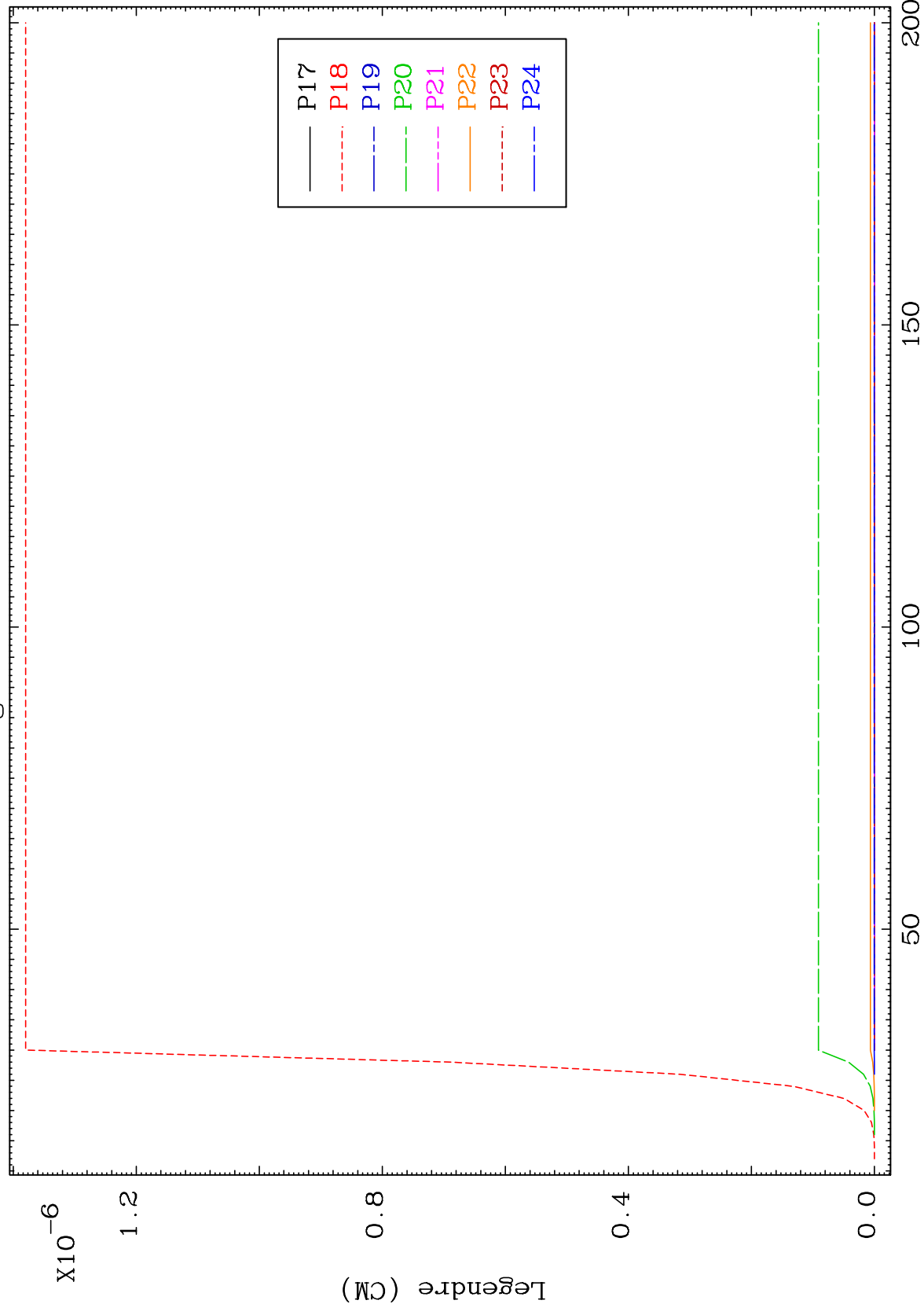


39-Y -86

MAT 3916

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

39-Y -86



61

Incident Energy (MeV)

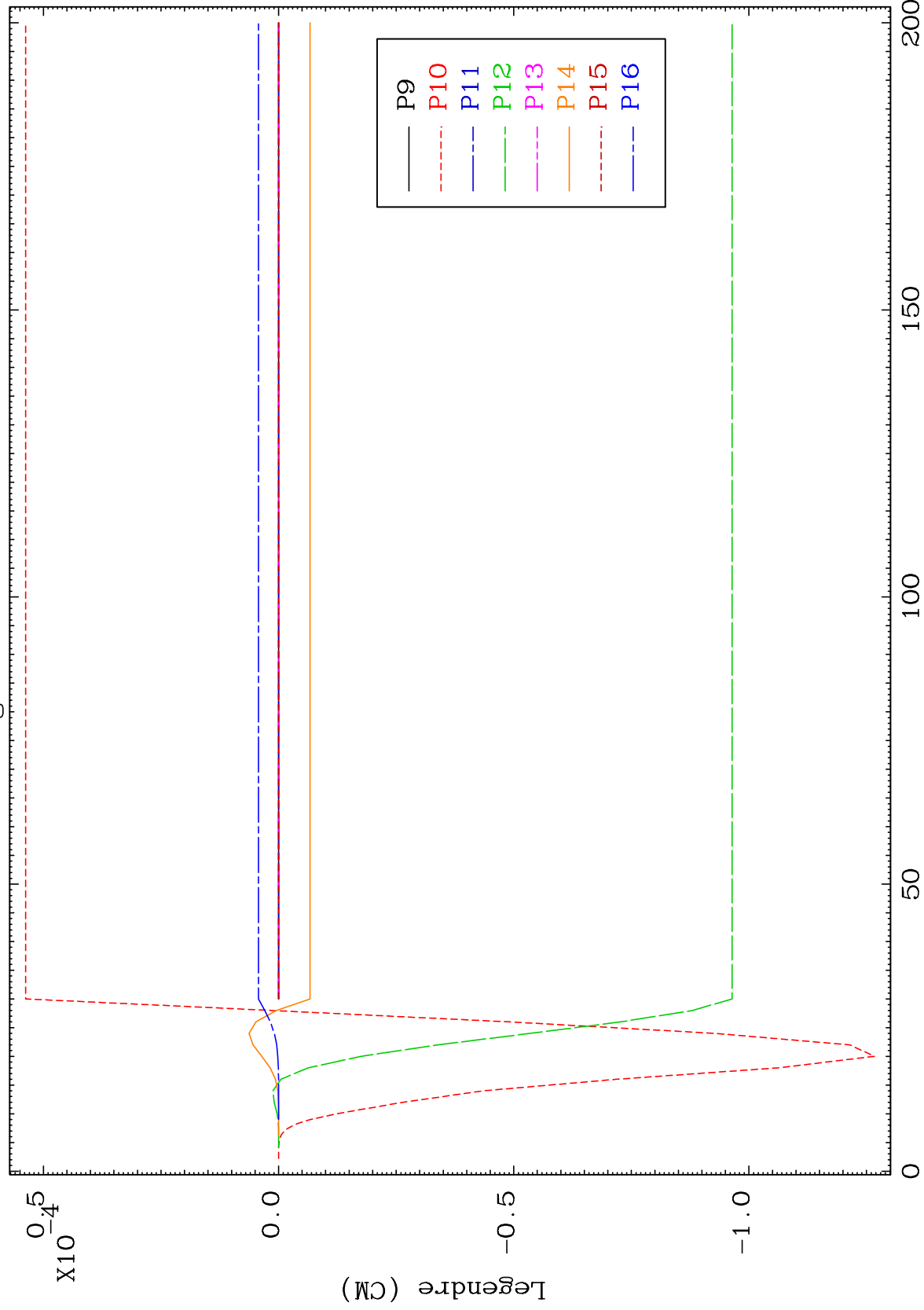
39-Y -86



MAT 3916

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

39-Y -86

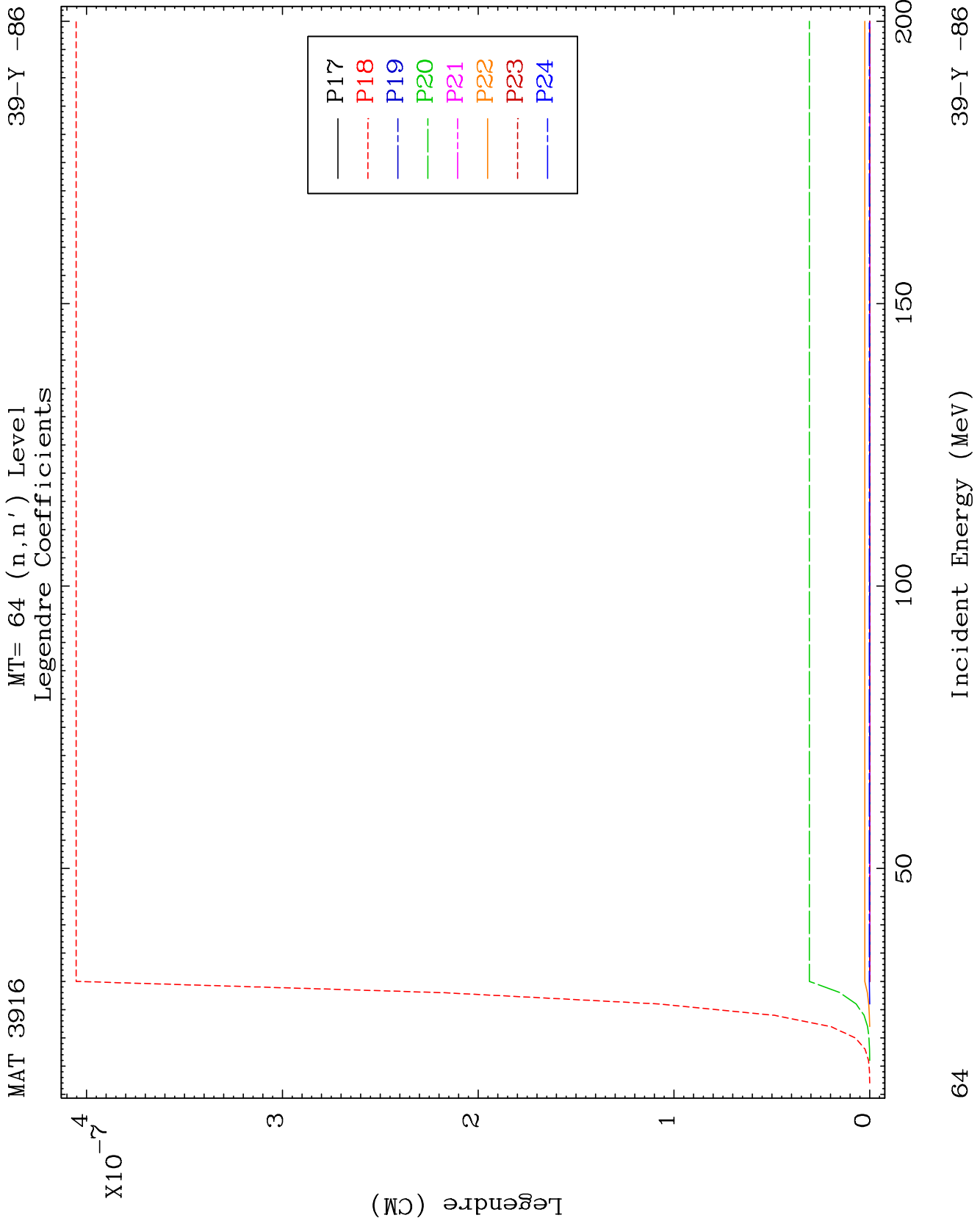


63

Incident Energy (MeV)

39-Y -86

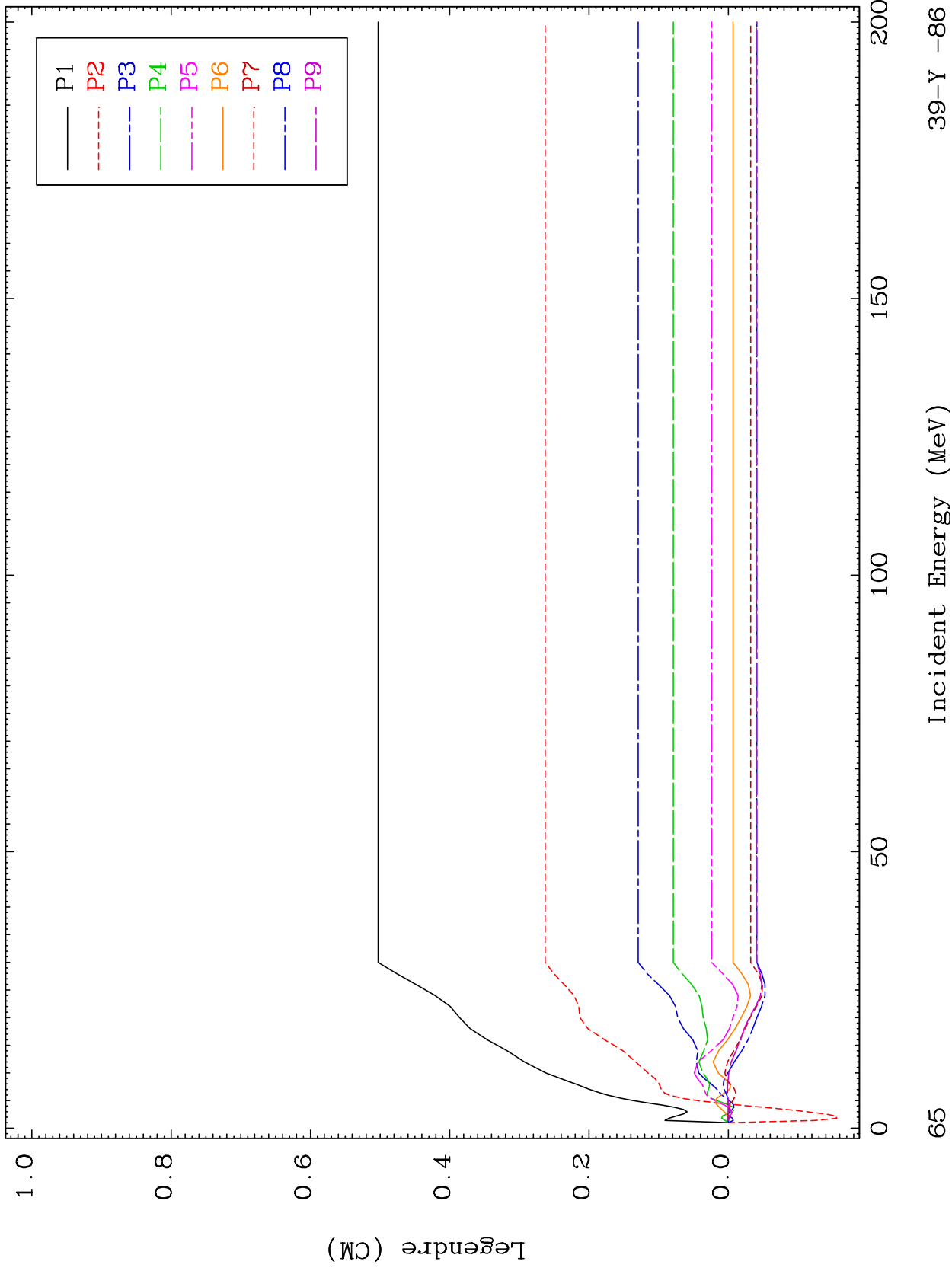




MAT 3916

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

39-Y -86



39-Y -86

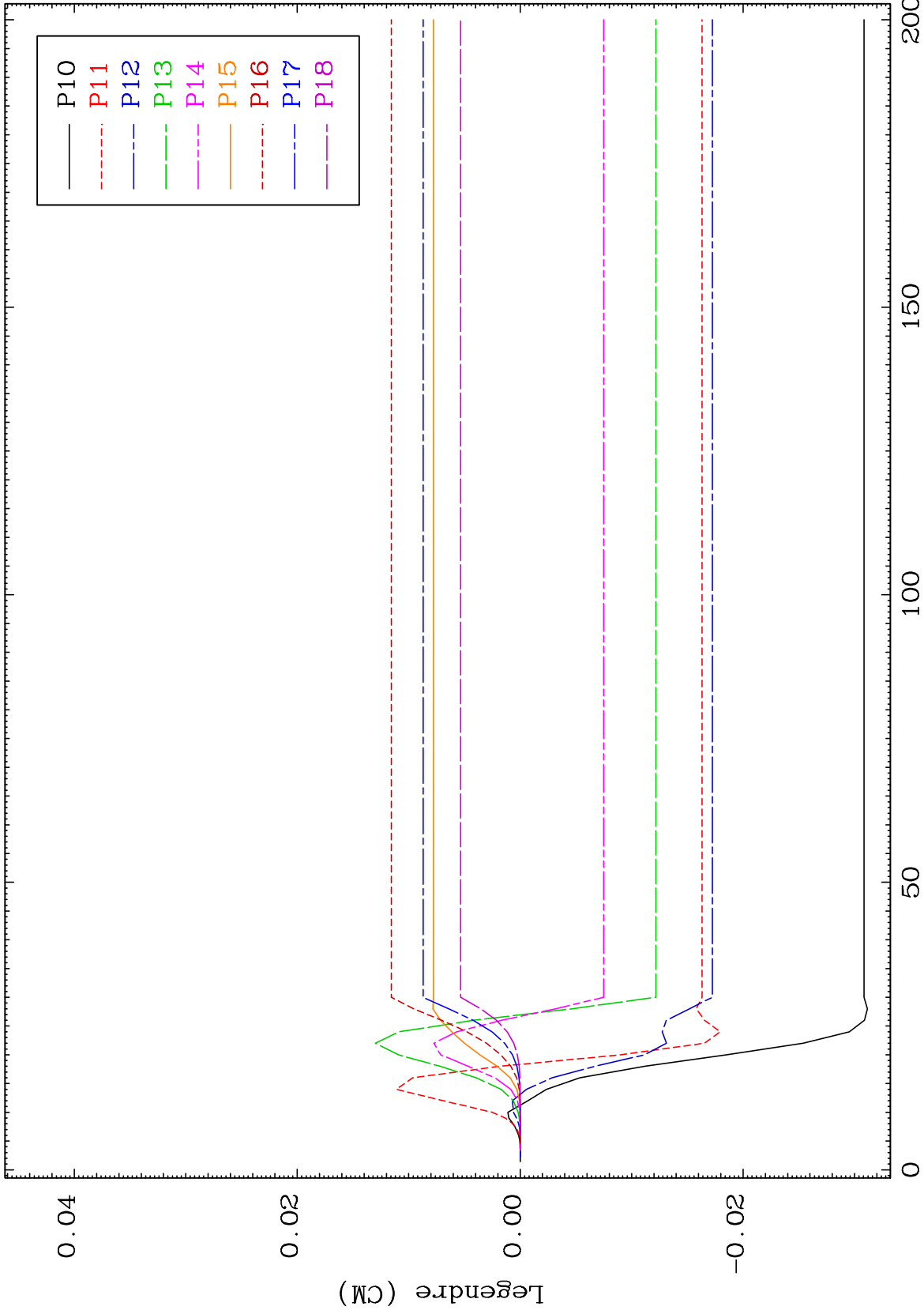
Incident Energy (MeV)

65

MAT 3916

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

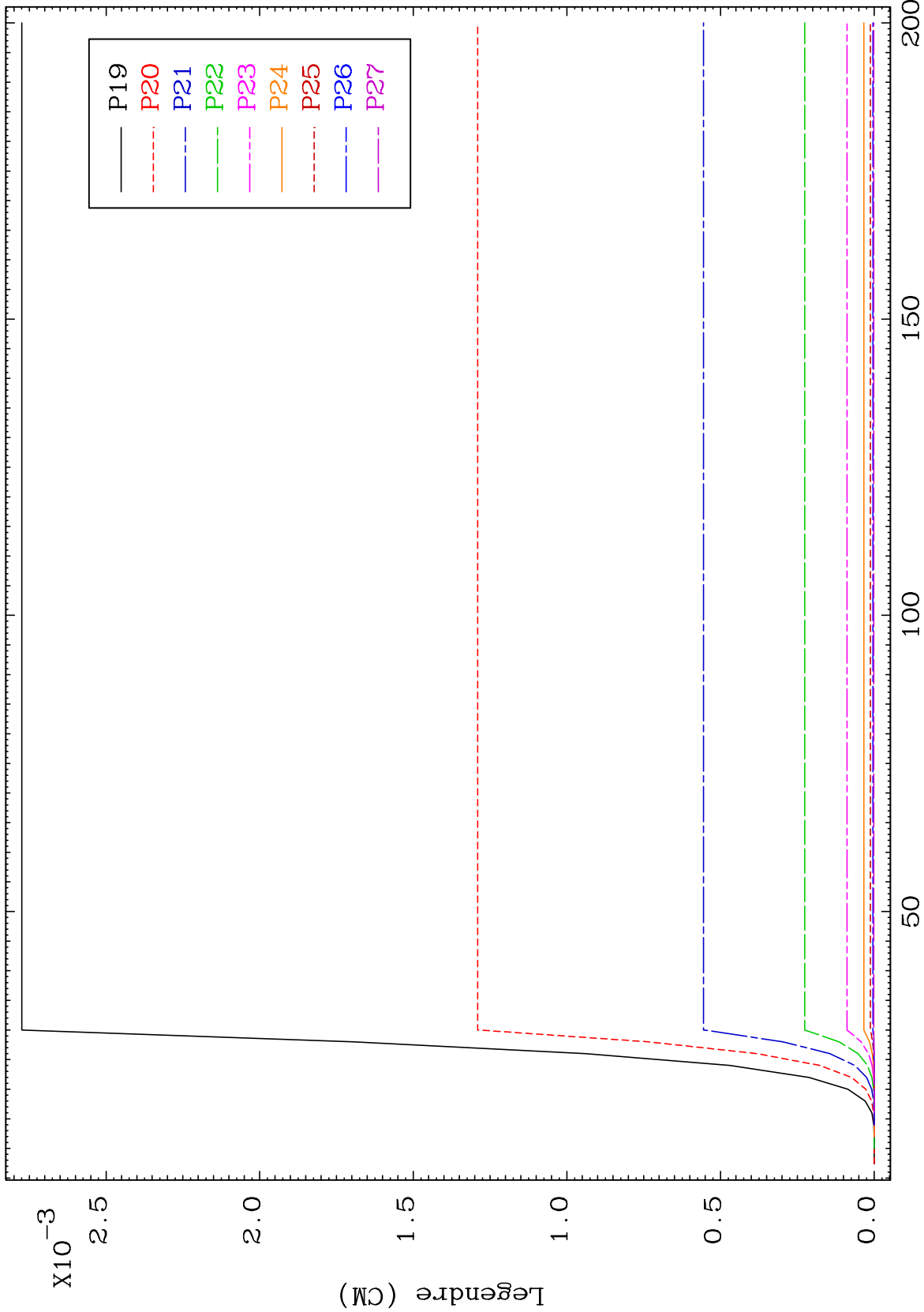
39-Y -86



66

Incident Energy (MeV)

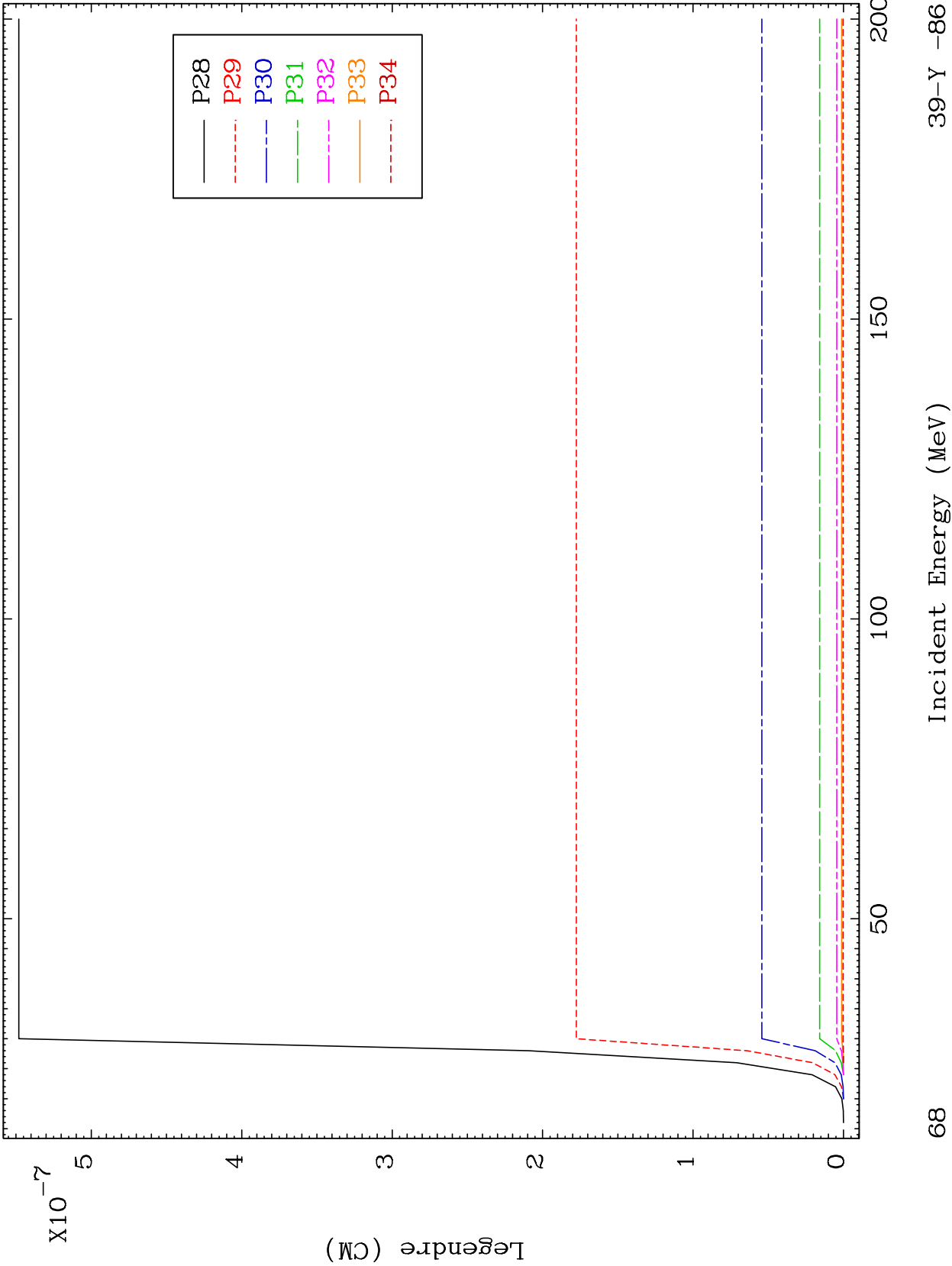
39-Y -86



MAT 3916

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

39-Y -86



68

Incident Energy (MeV)

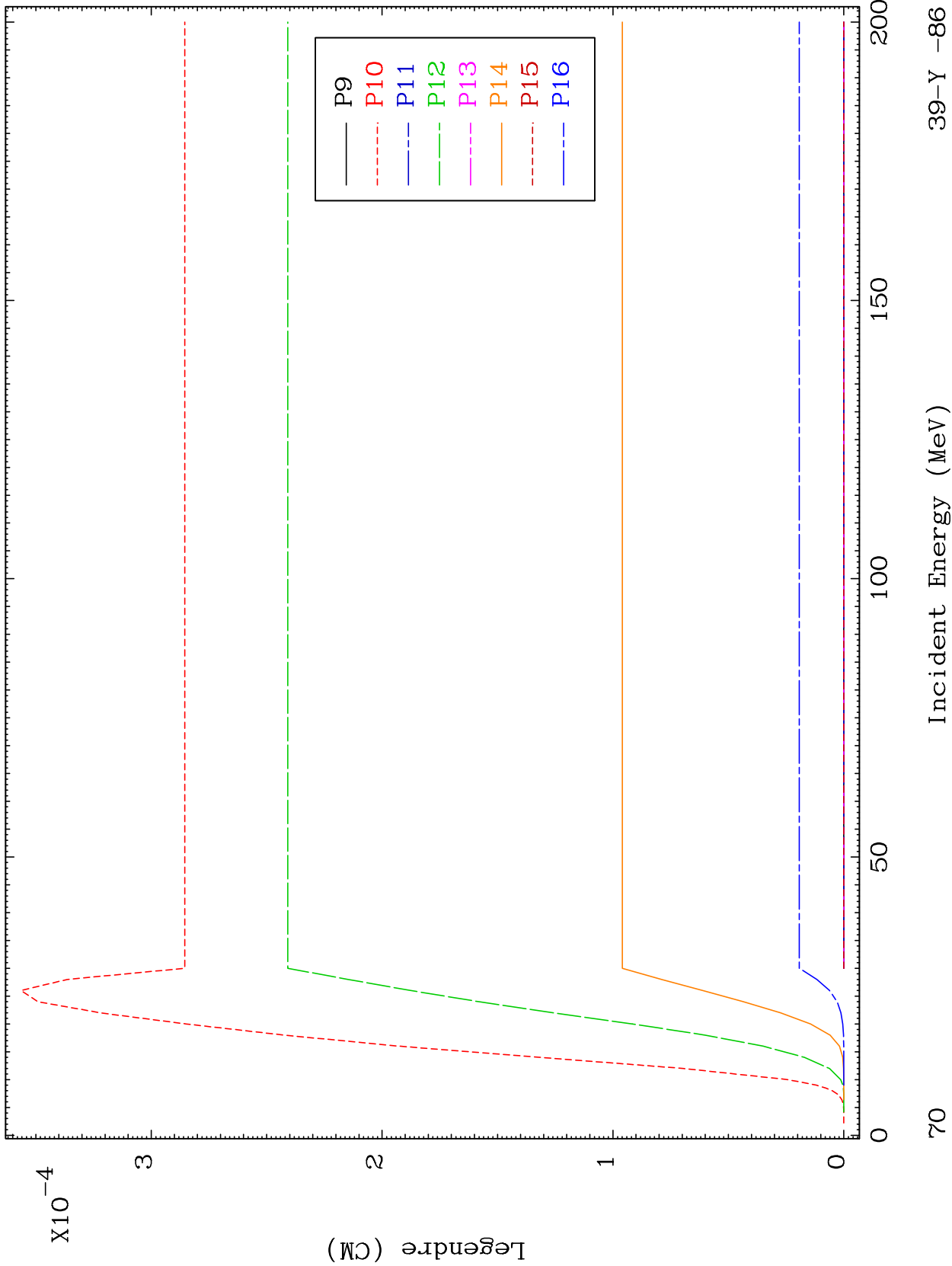
39-Y -86



MAT 3916

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

39-Y -86



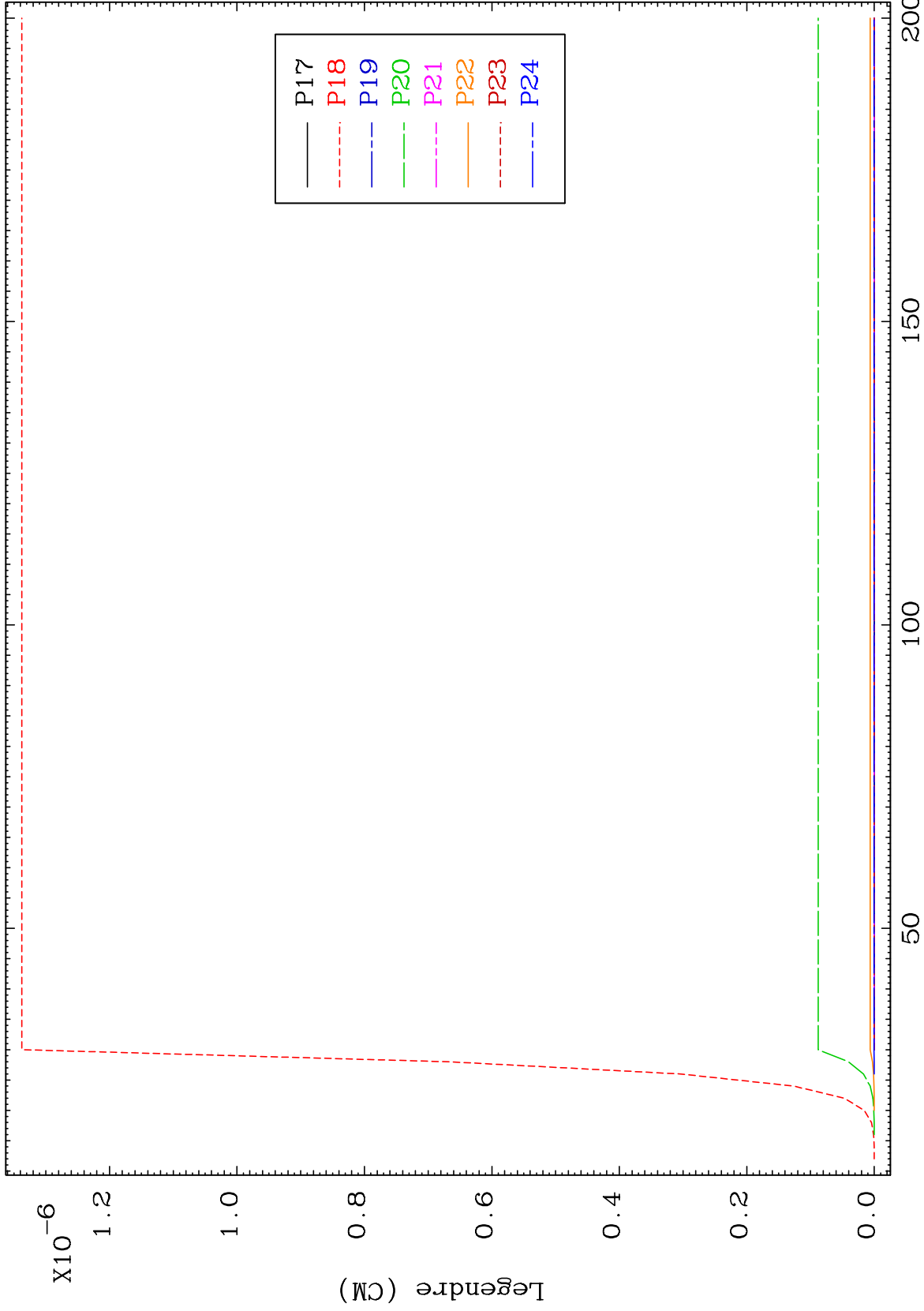
39-Y -86

Incident Energy (MeV)

MAT 3916

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

39-Y -86



71

Incident Energy (MeV)

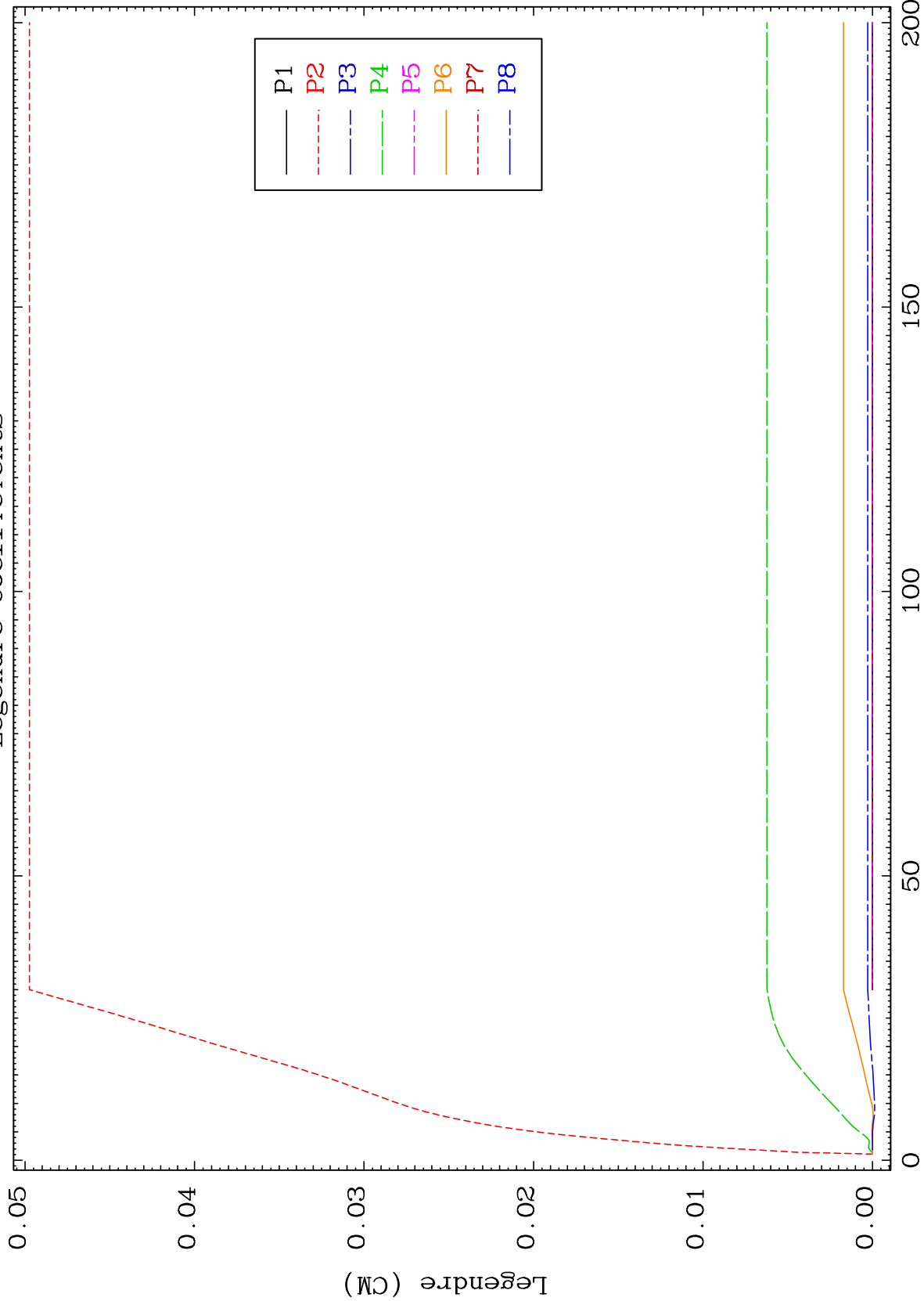
39-Y -86



MAT 3916

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

39-Y -86



72

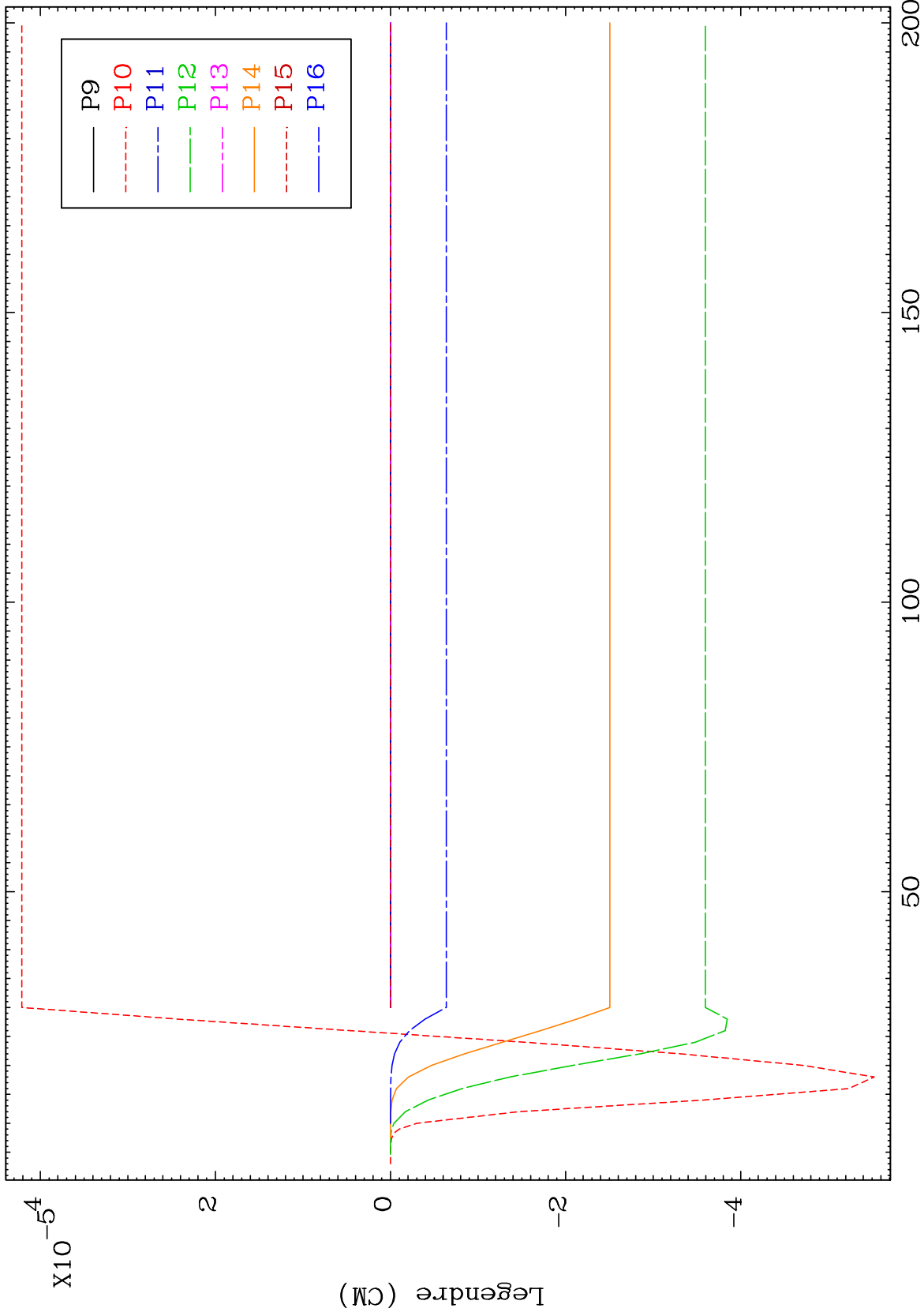
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



73

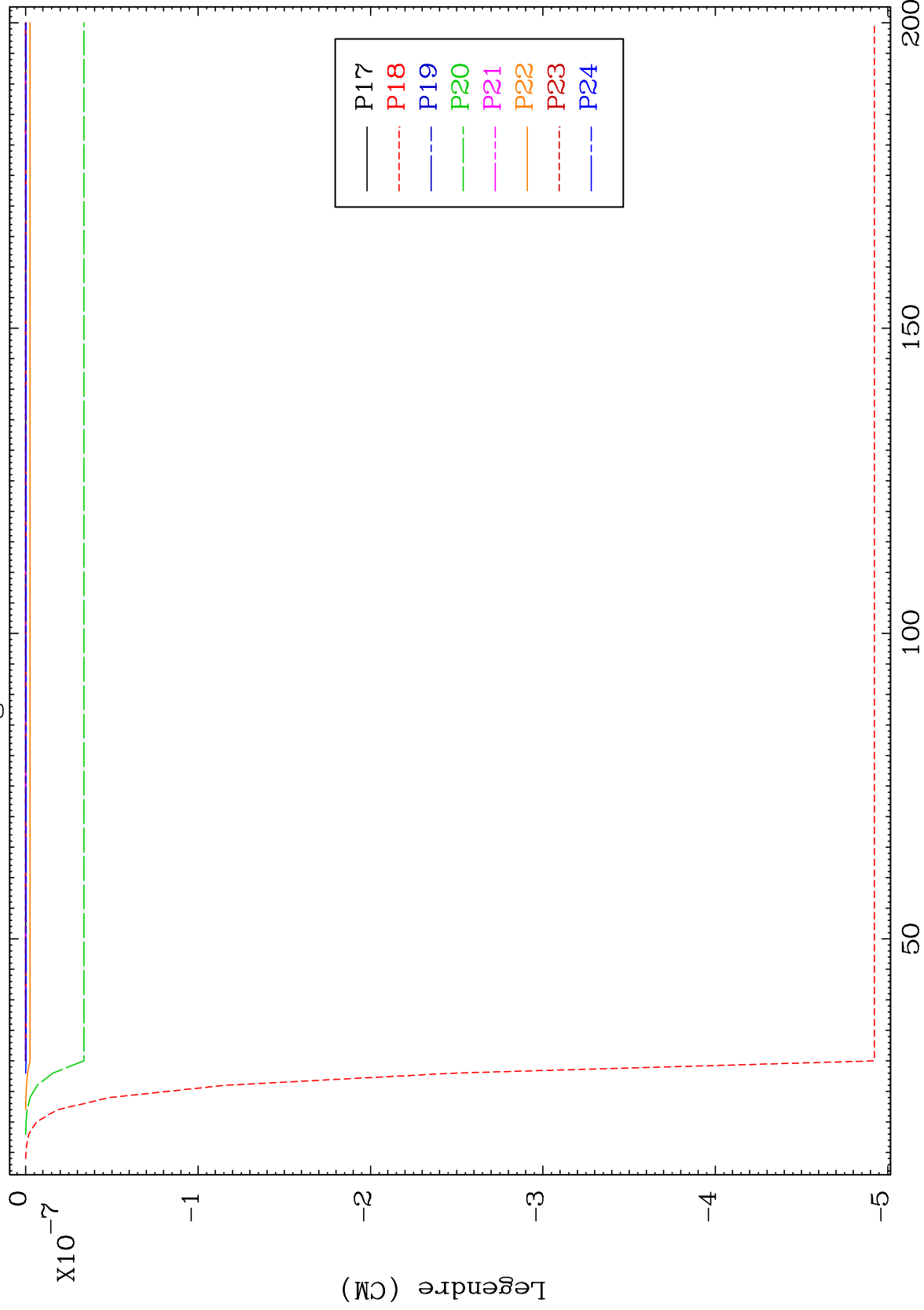
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



74

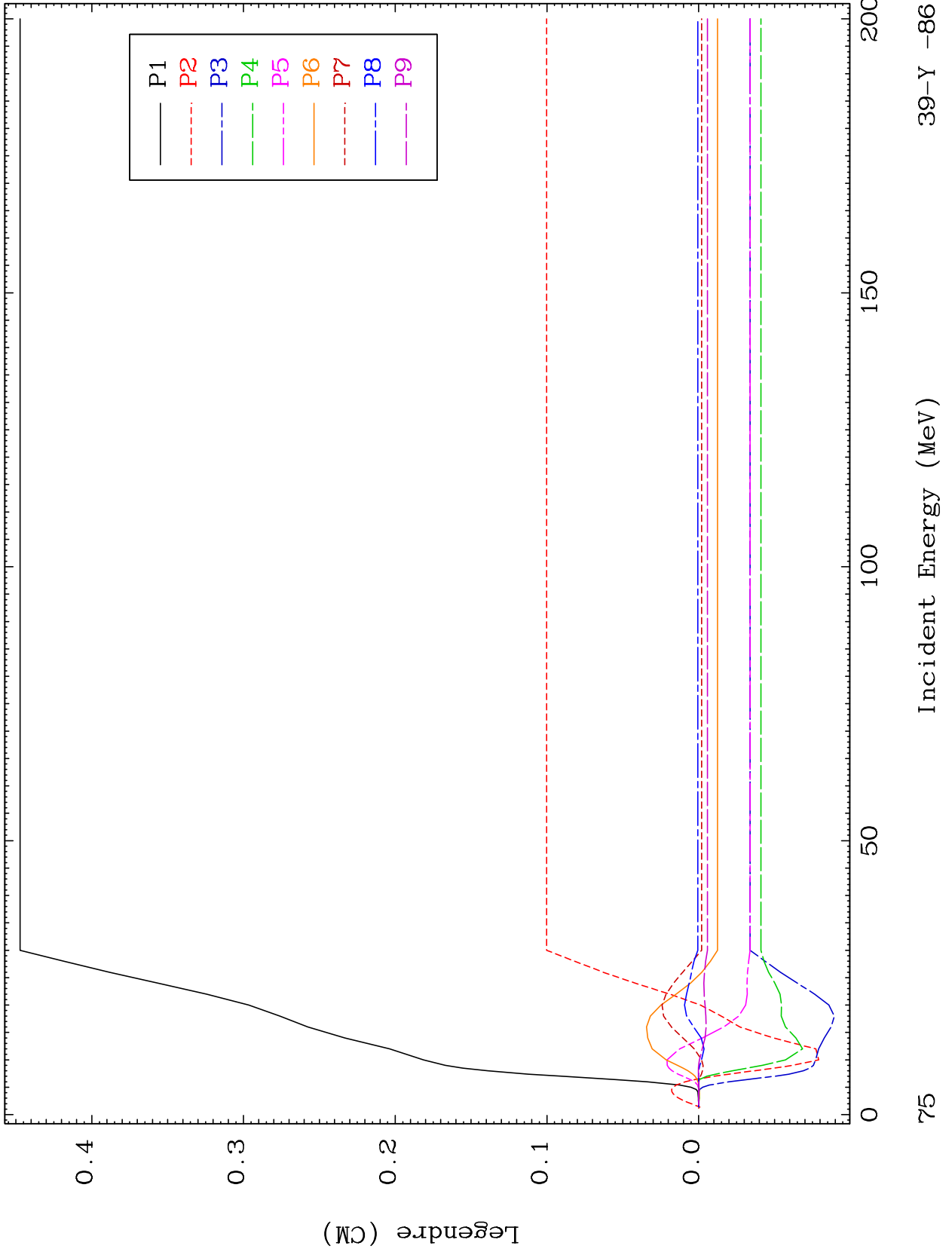
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86

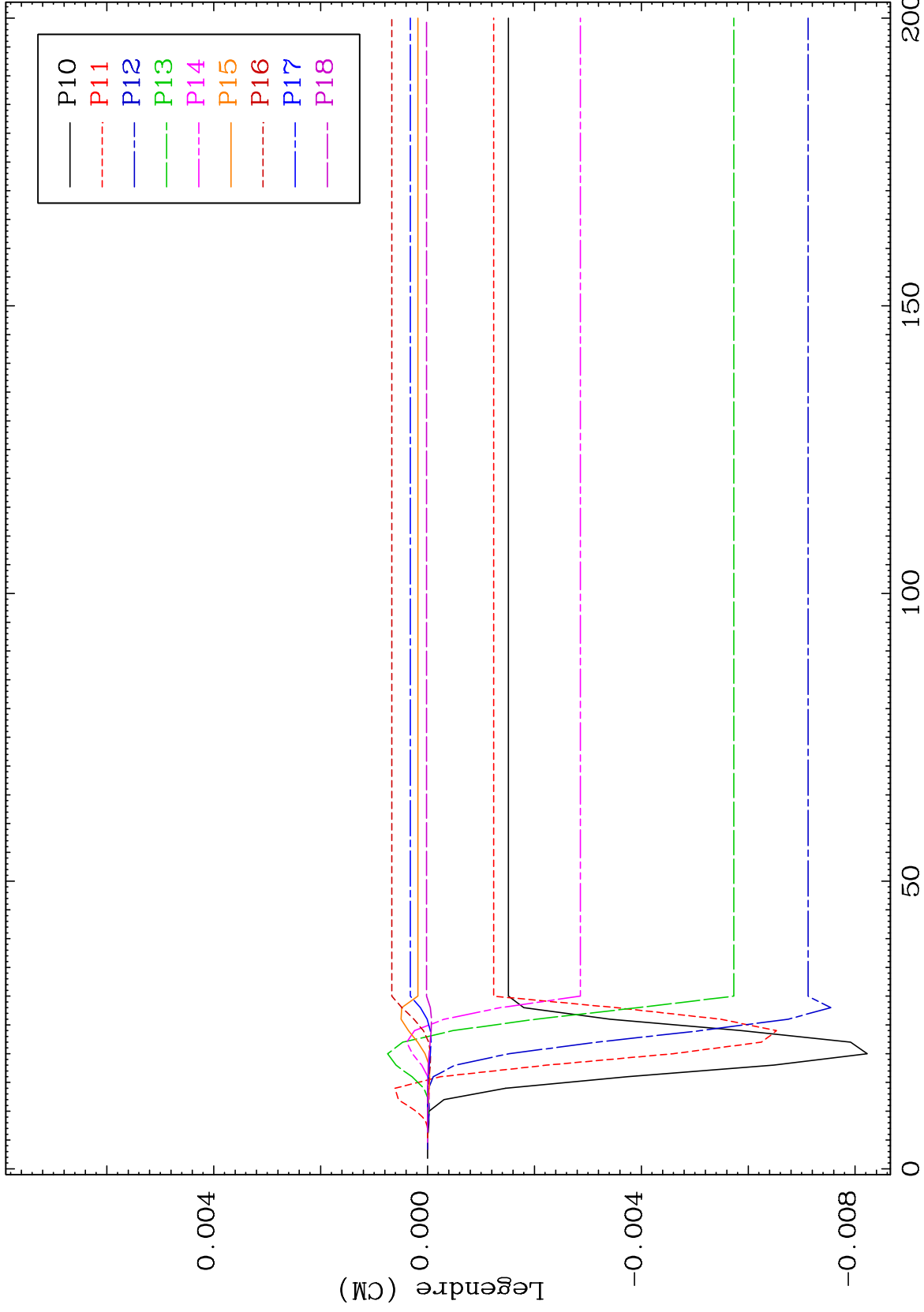


39-Y -86

MAT 3916

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

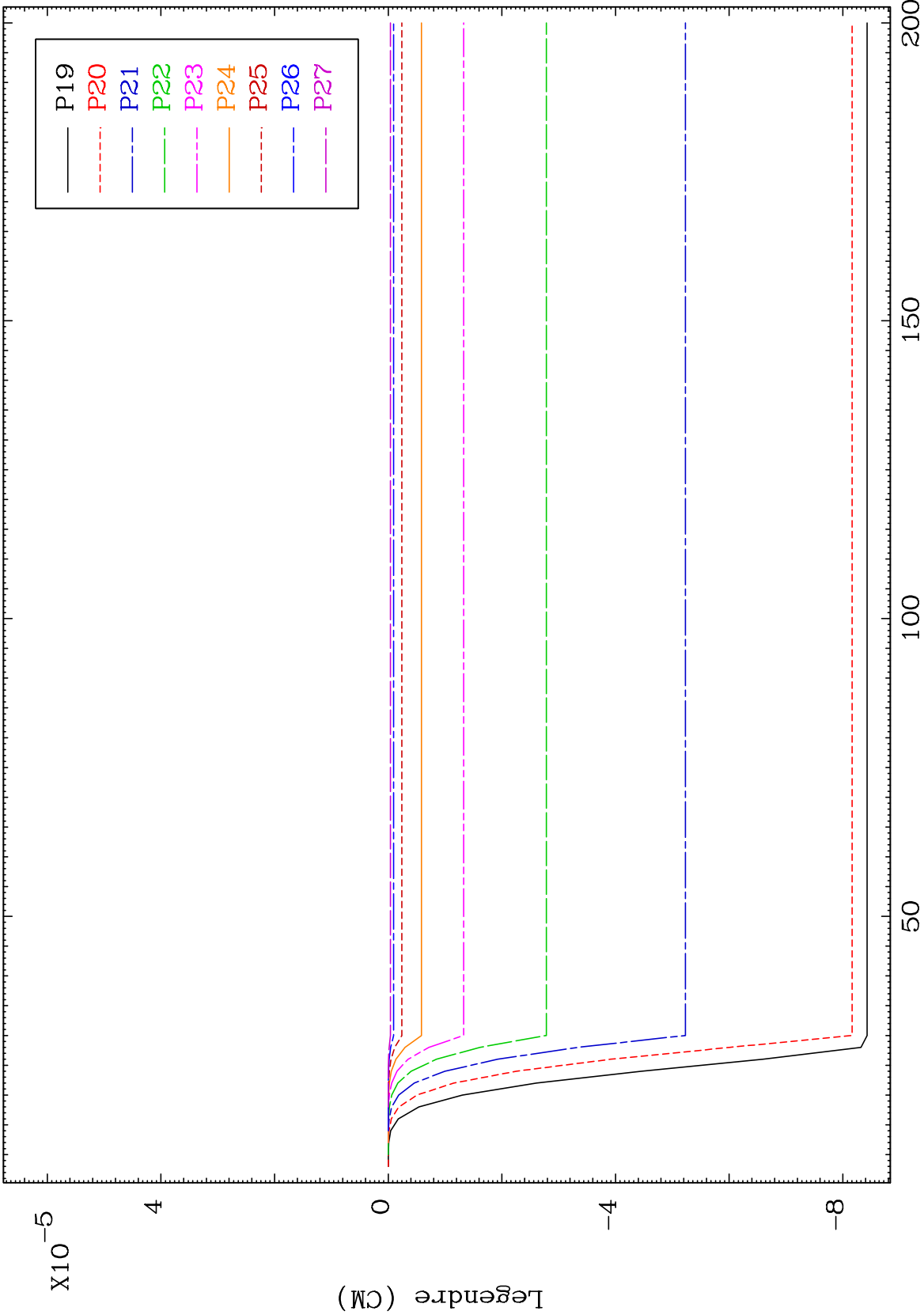
39-Y -86



76

Incident Energy (MeV)

39-Y -86

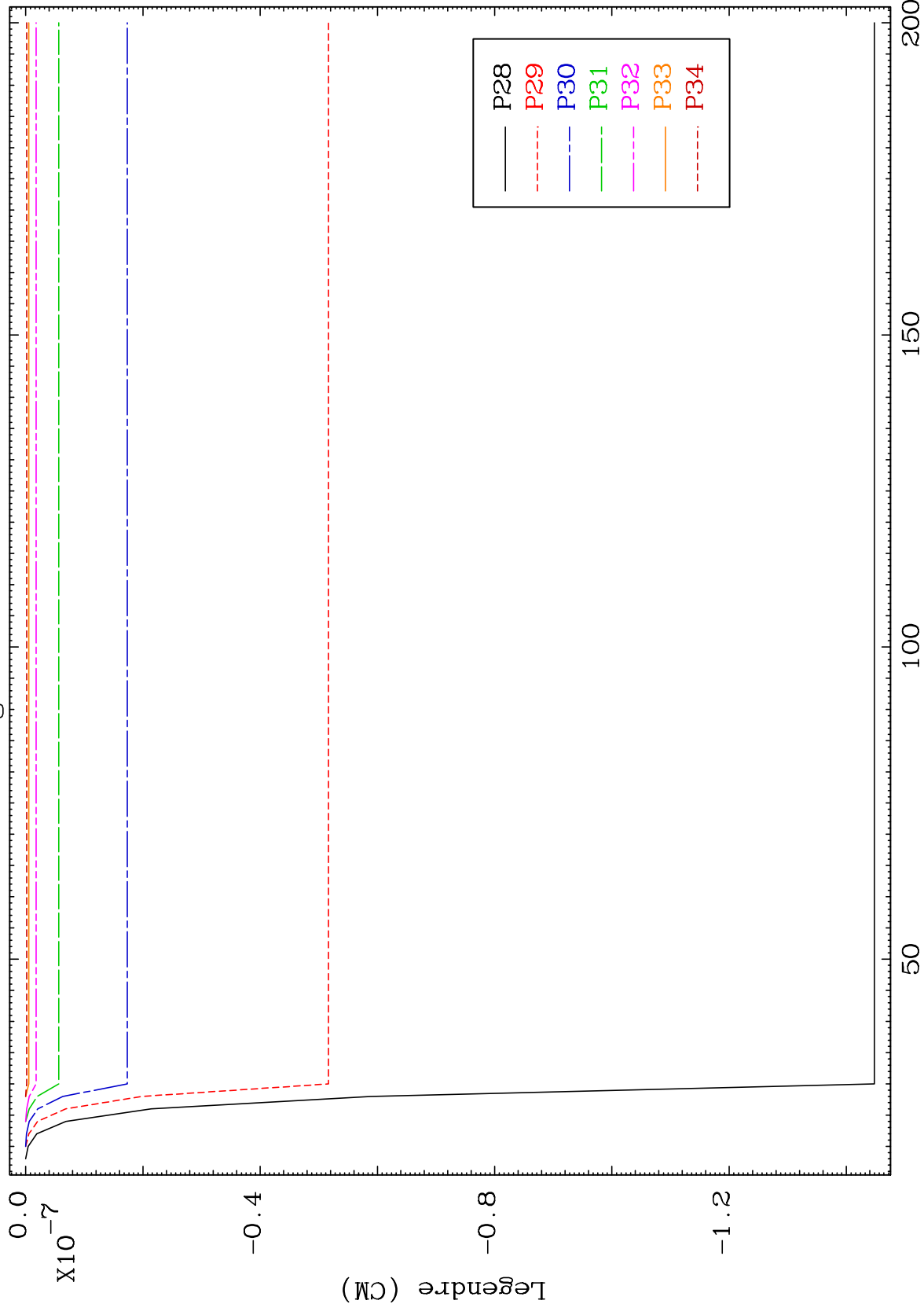


MAT 3916

MT= 68 (n,n') Level

39-Y -86

Legendre Coefficients



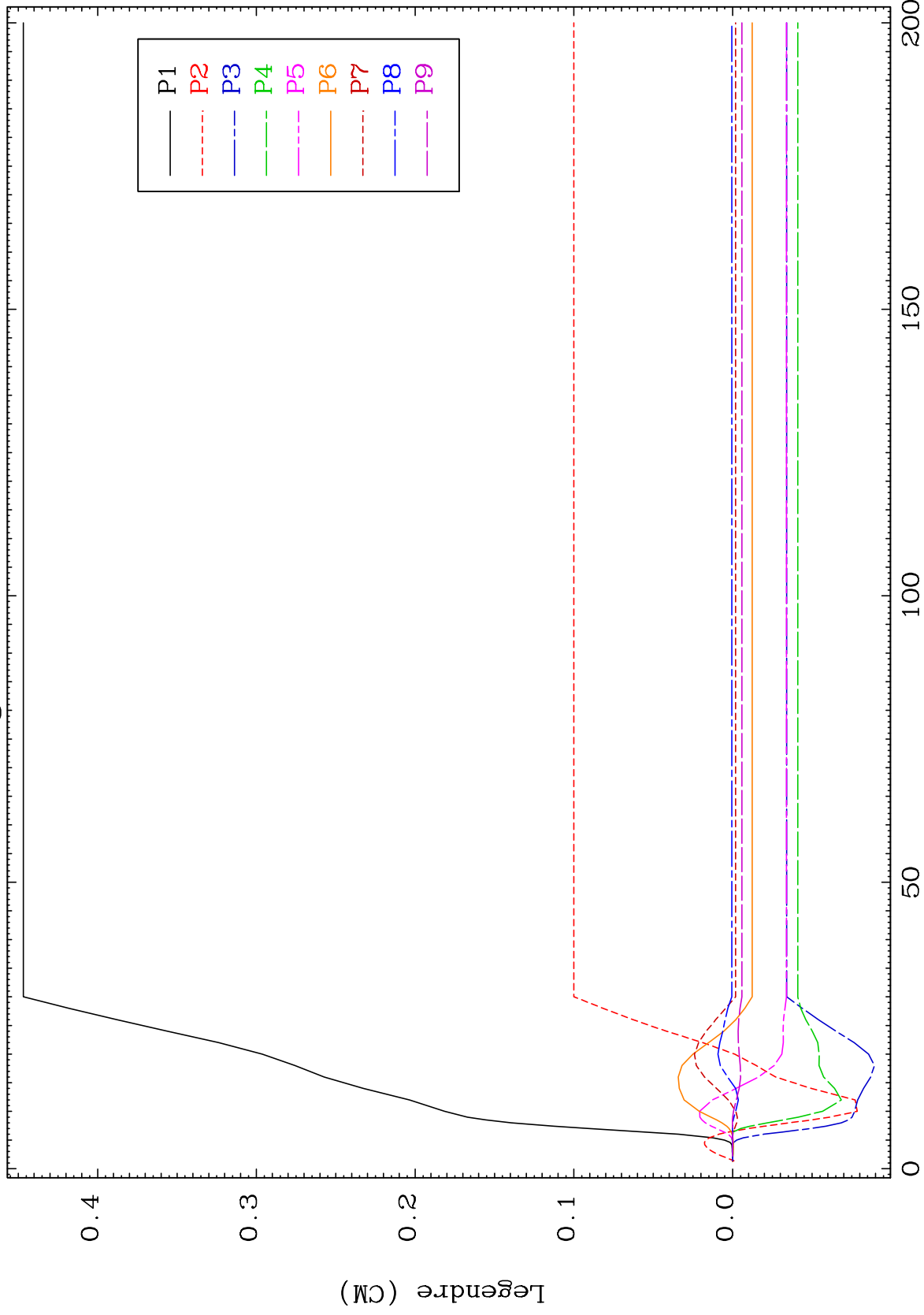
78

39-Y -86

MAT 3916

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

39-Y -86



79

Incident Energy (MeV)

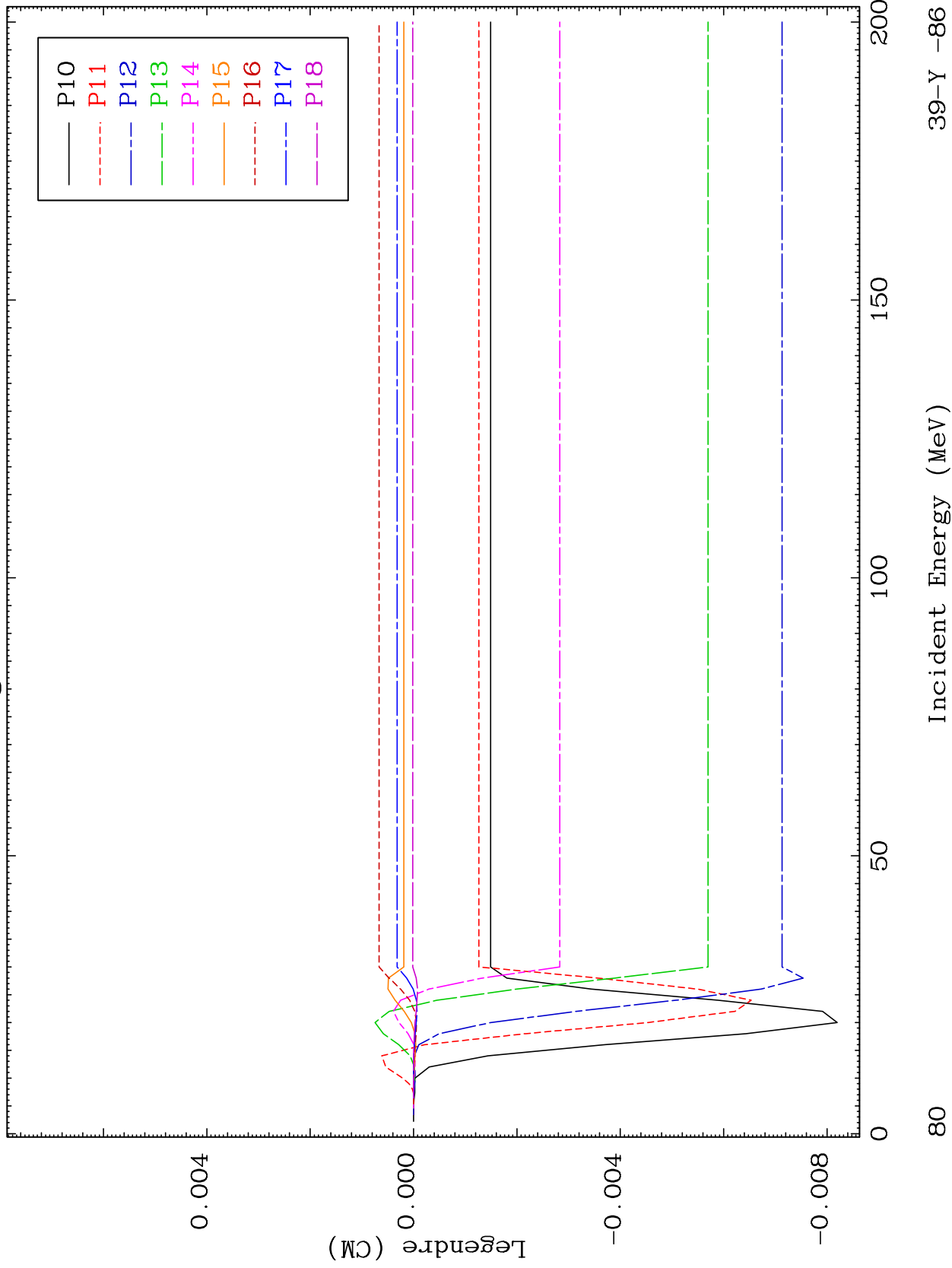
39-Y -86



MAT 3916

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

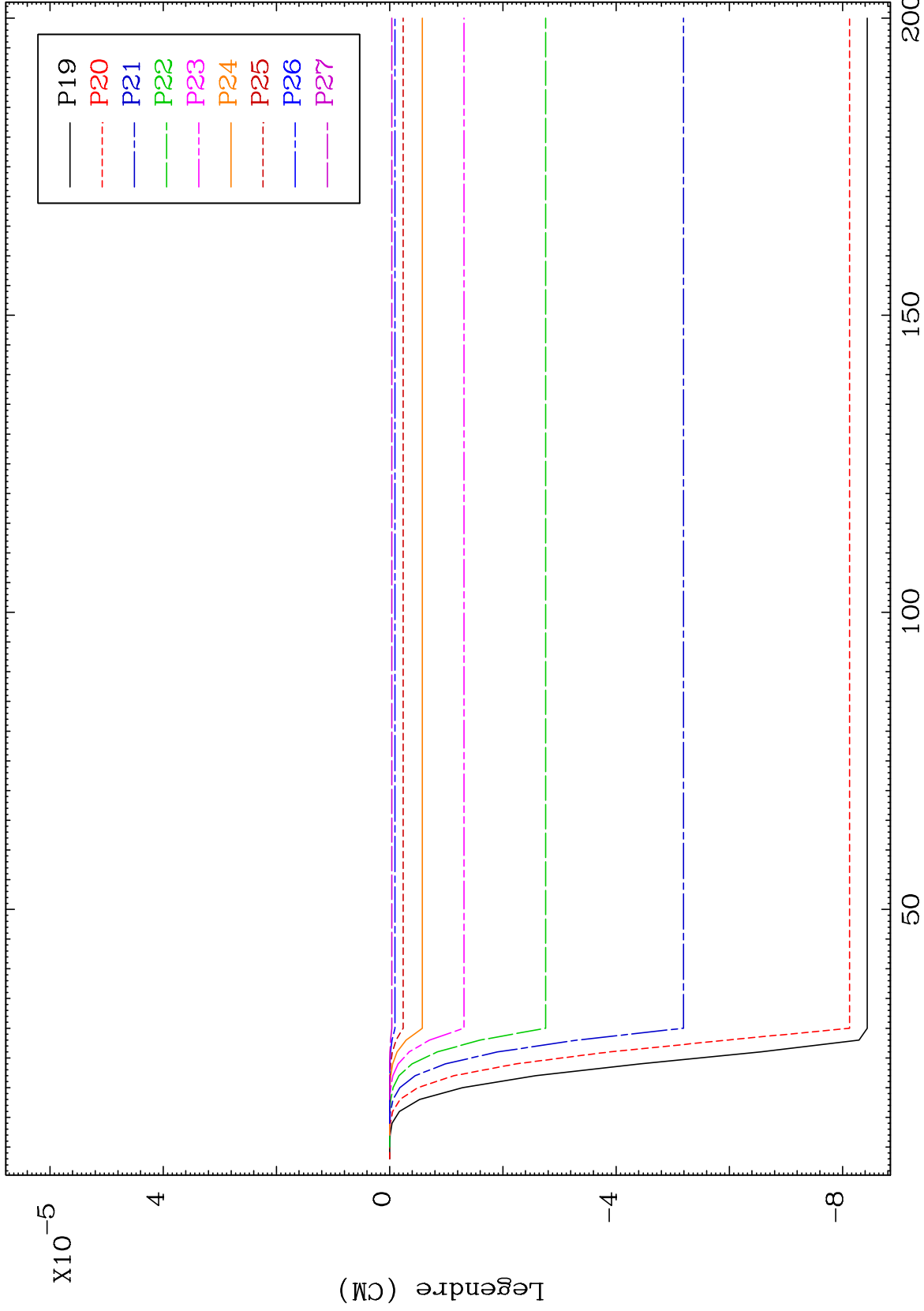
39-Y -86



39-Y -86

Incident Energy (MeV)

80

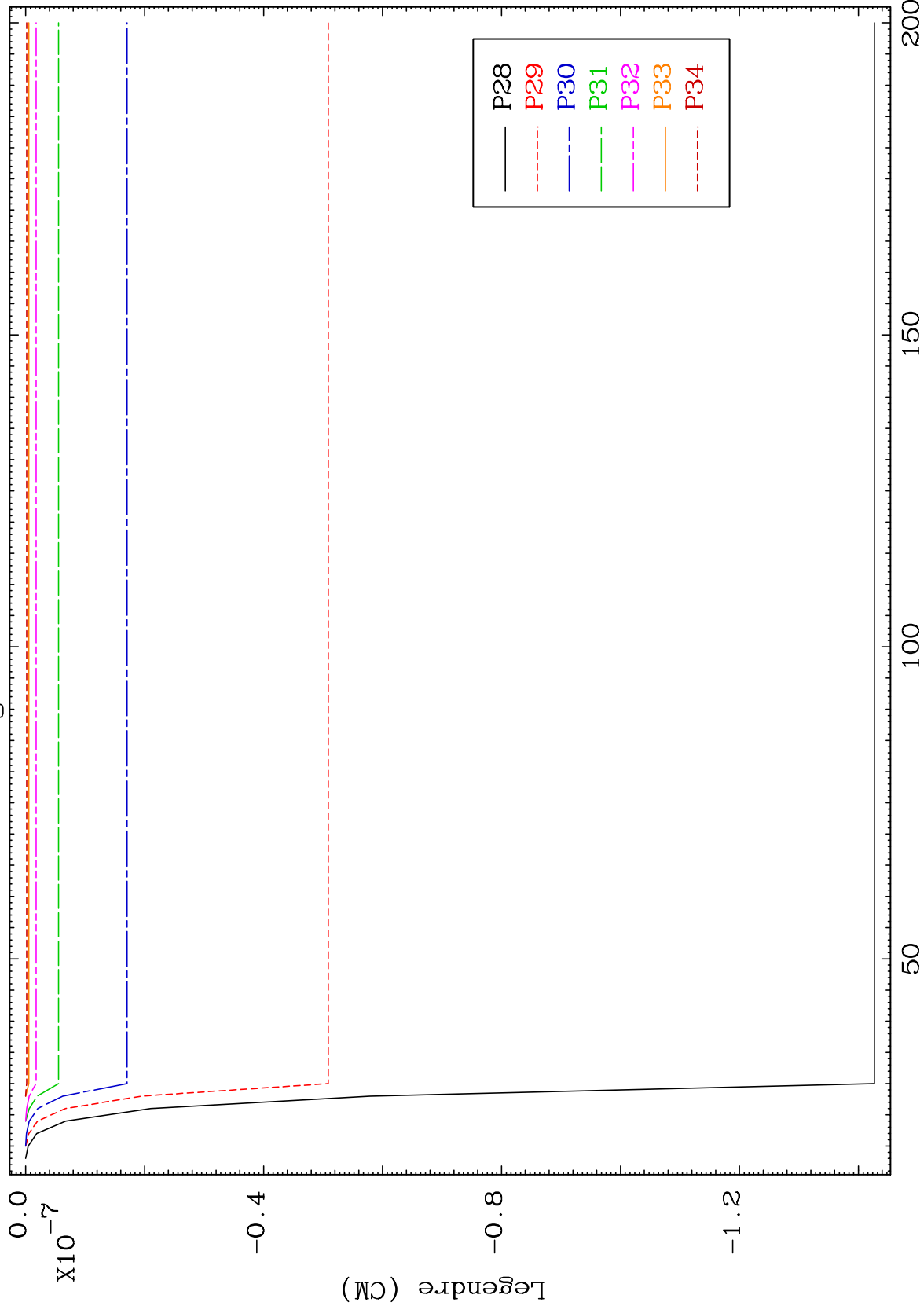


MAT 3916

MT= 69 (n,n') Level

39-Y -86

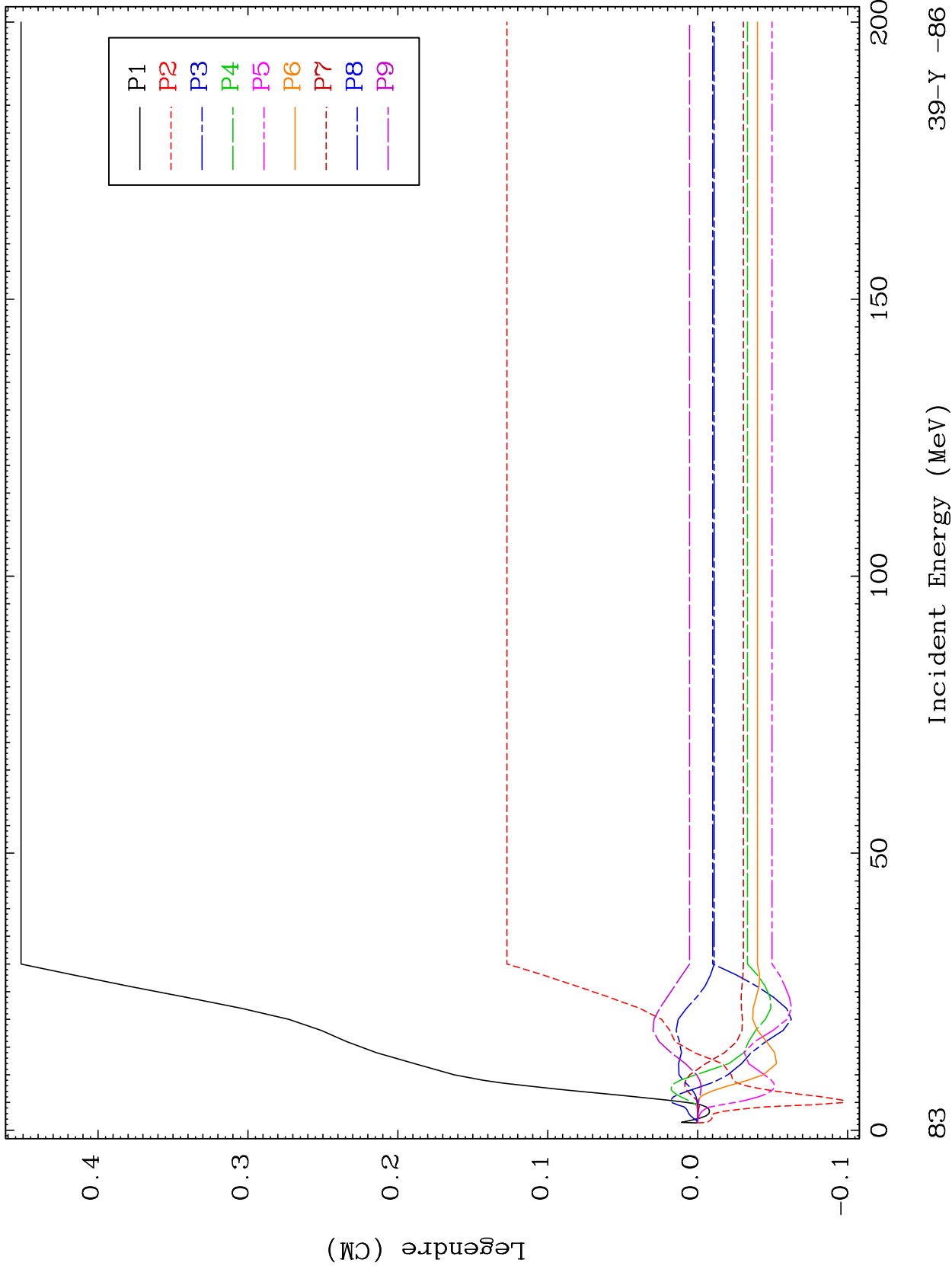
Legendre Coefficients

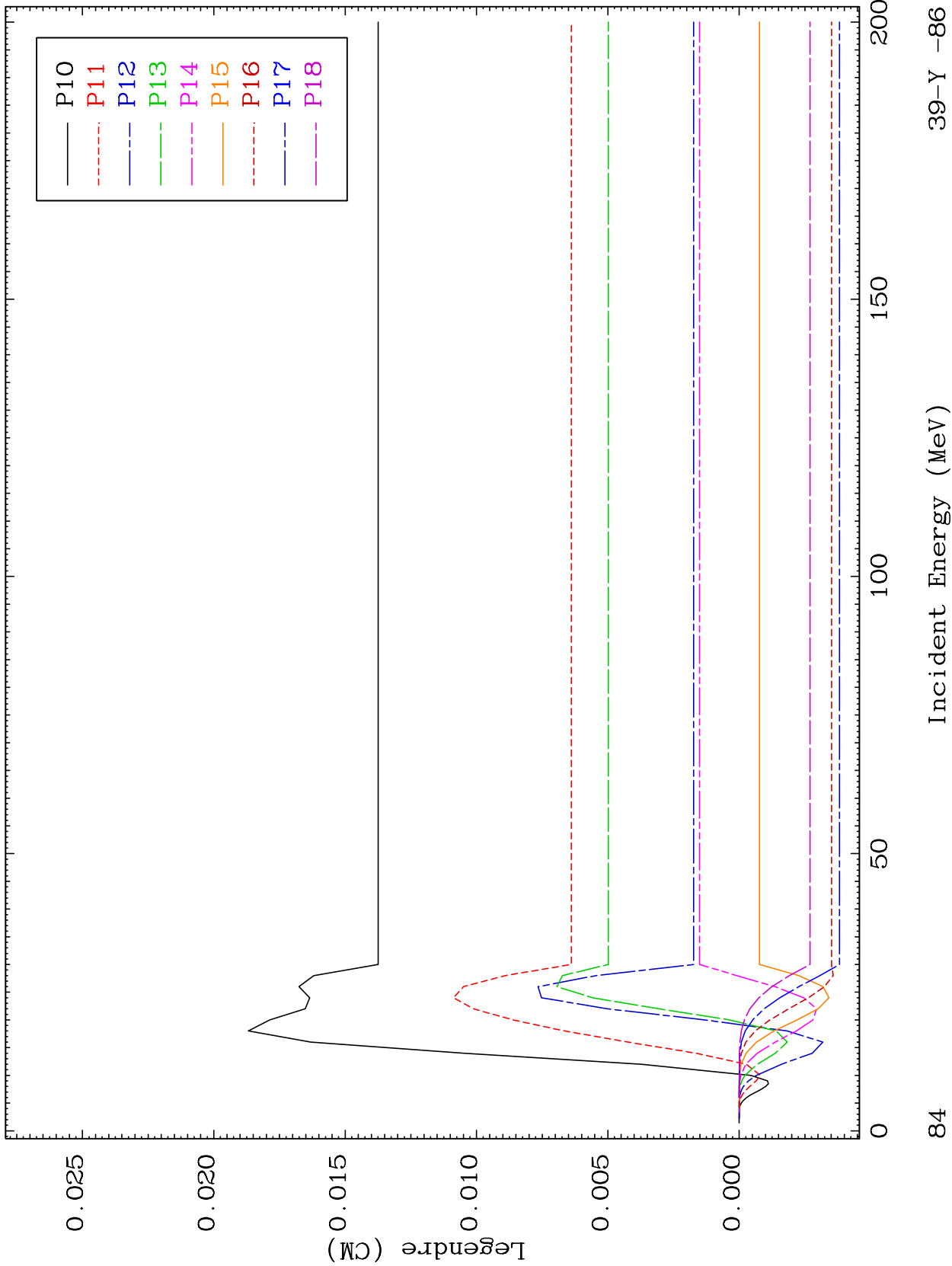


82

Incident Energy (MeV)

39-Y -86



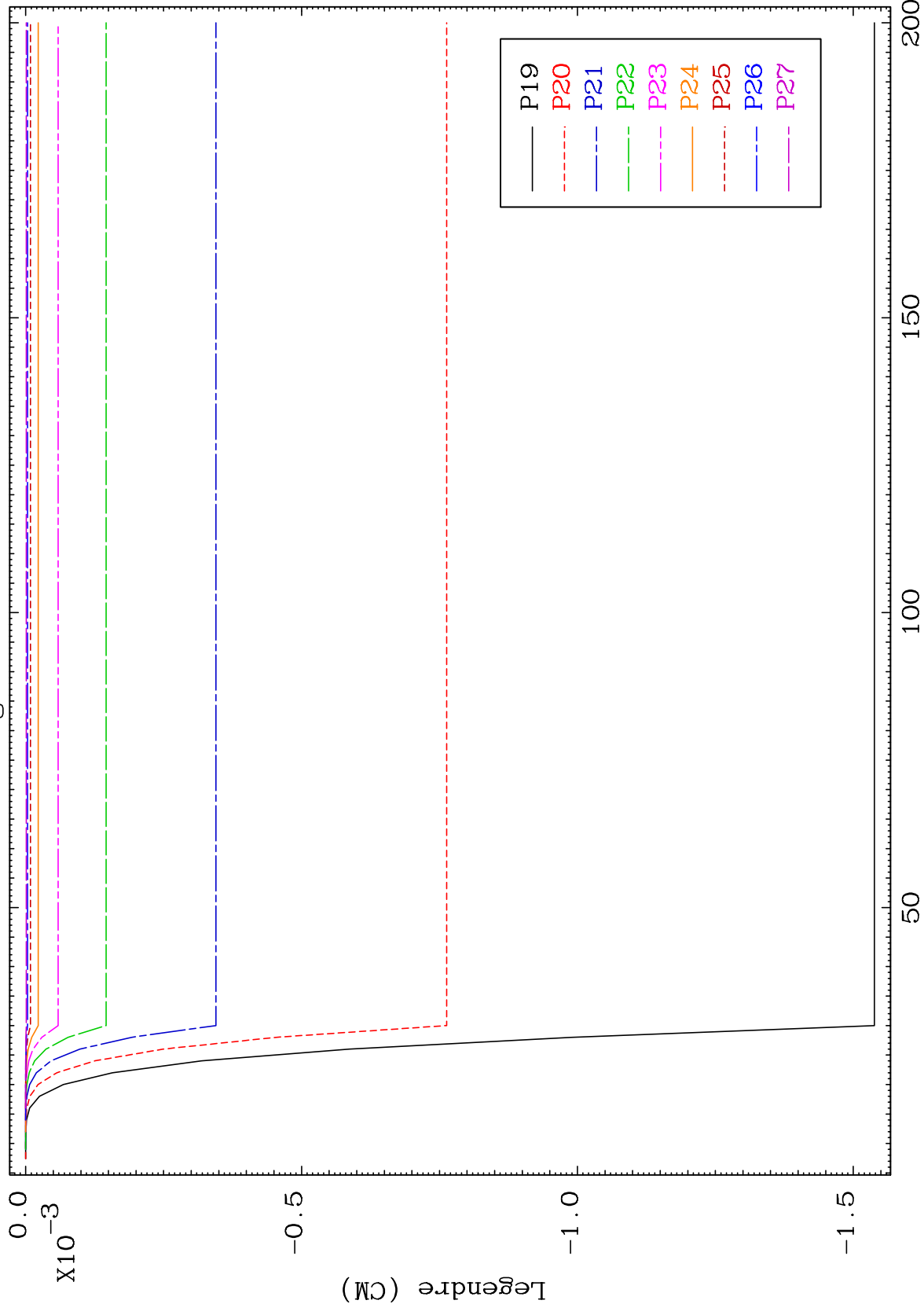


MAT 3916

MT= 70 (n,n') Level

39-Y -86

Legendre Coefficients



85

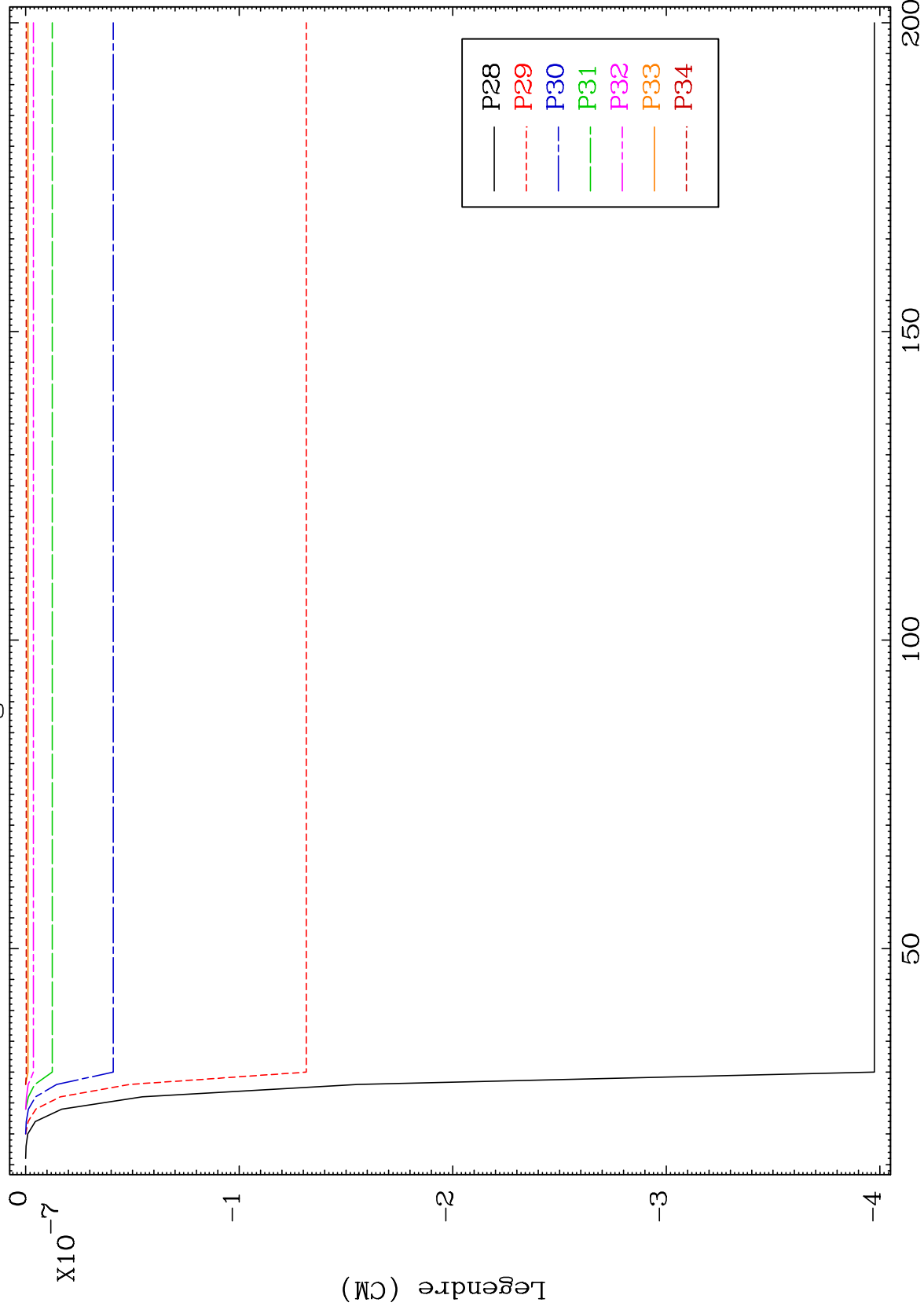
Incident Energy (MeV)

39-Y -86

MAT 3916

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

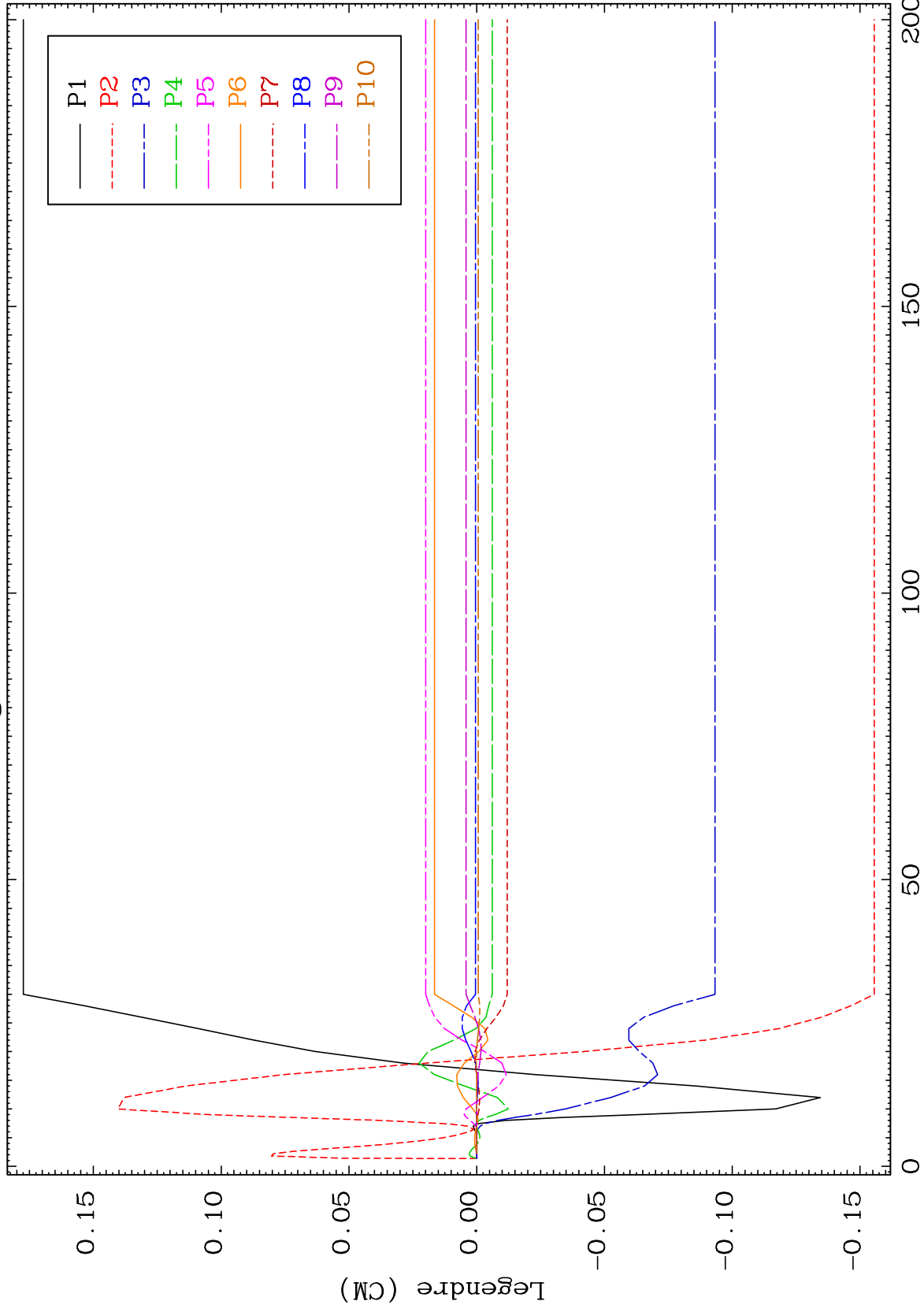
39-Y -86



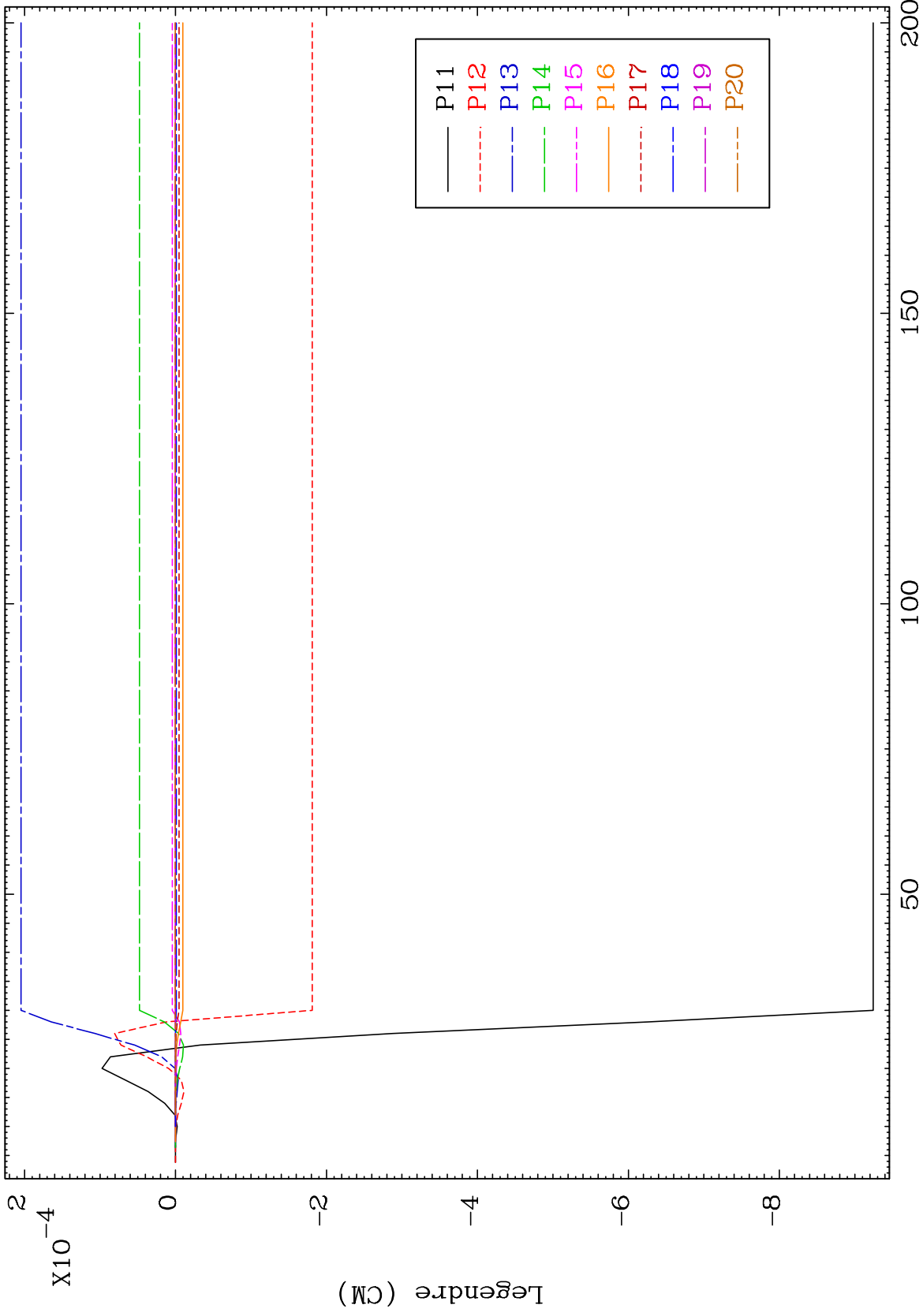
86

Incident Energy (MeV)

39-Y -86



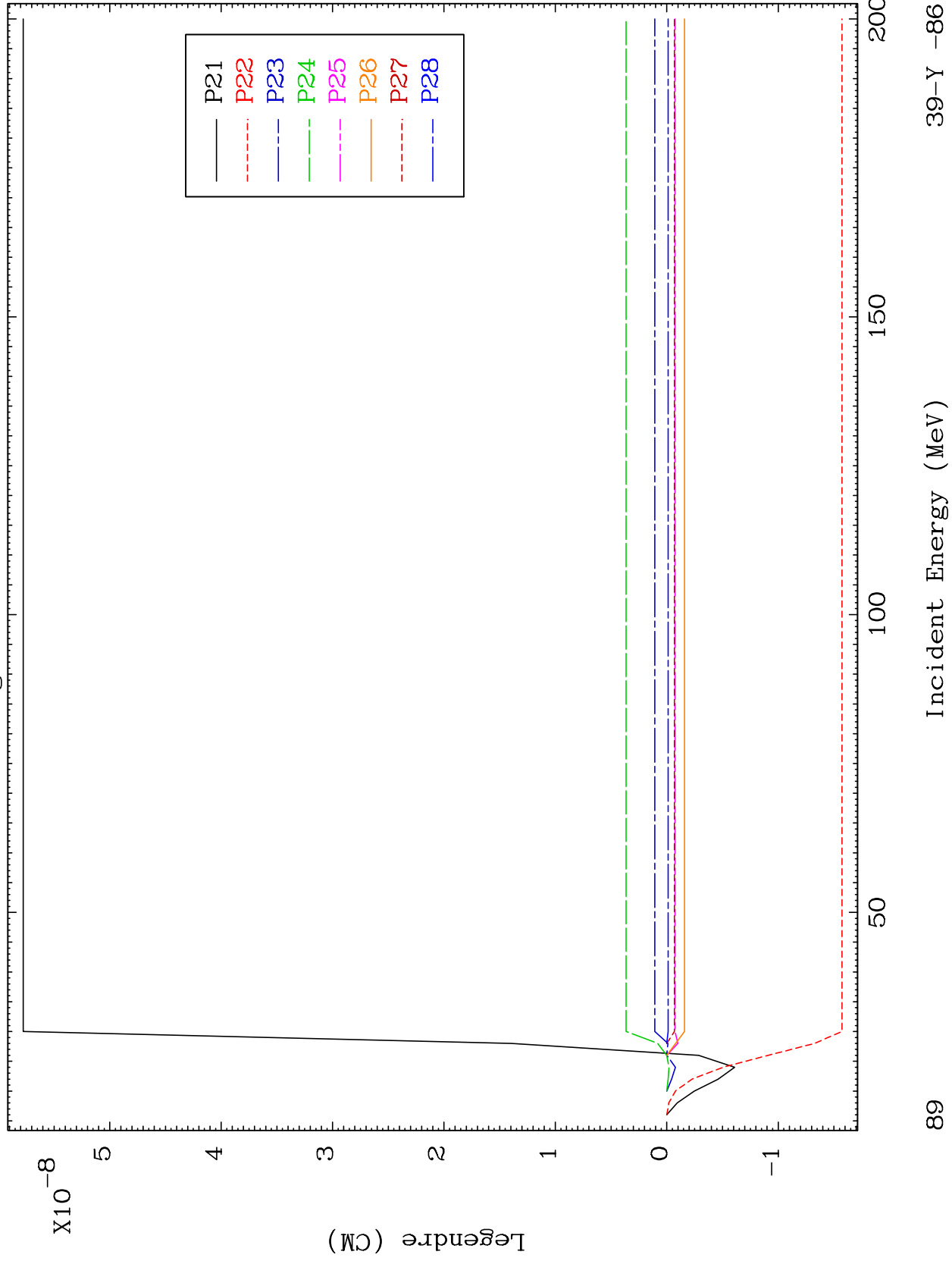




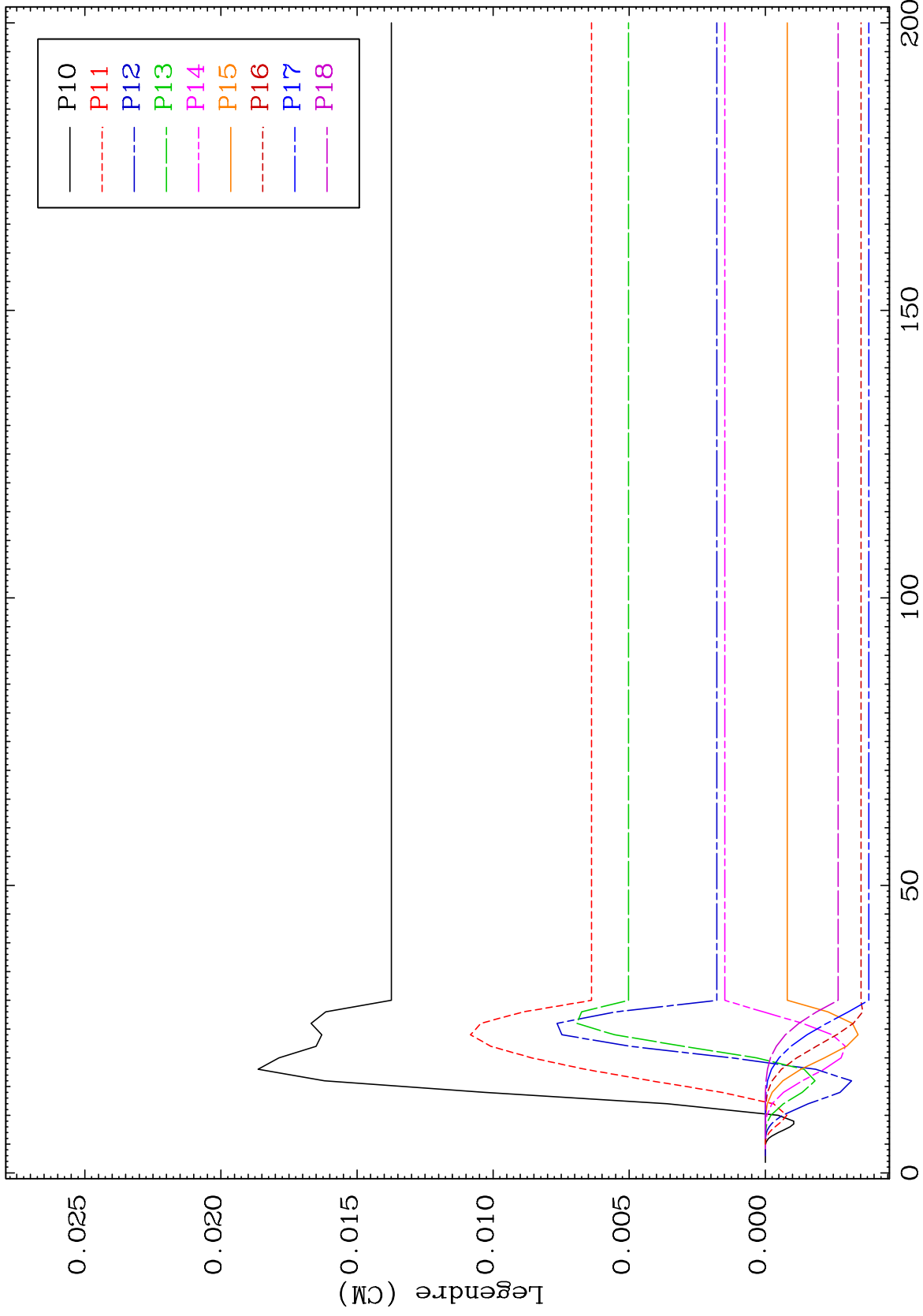
MAT 3916

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

39-Y -86





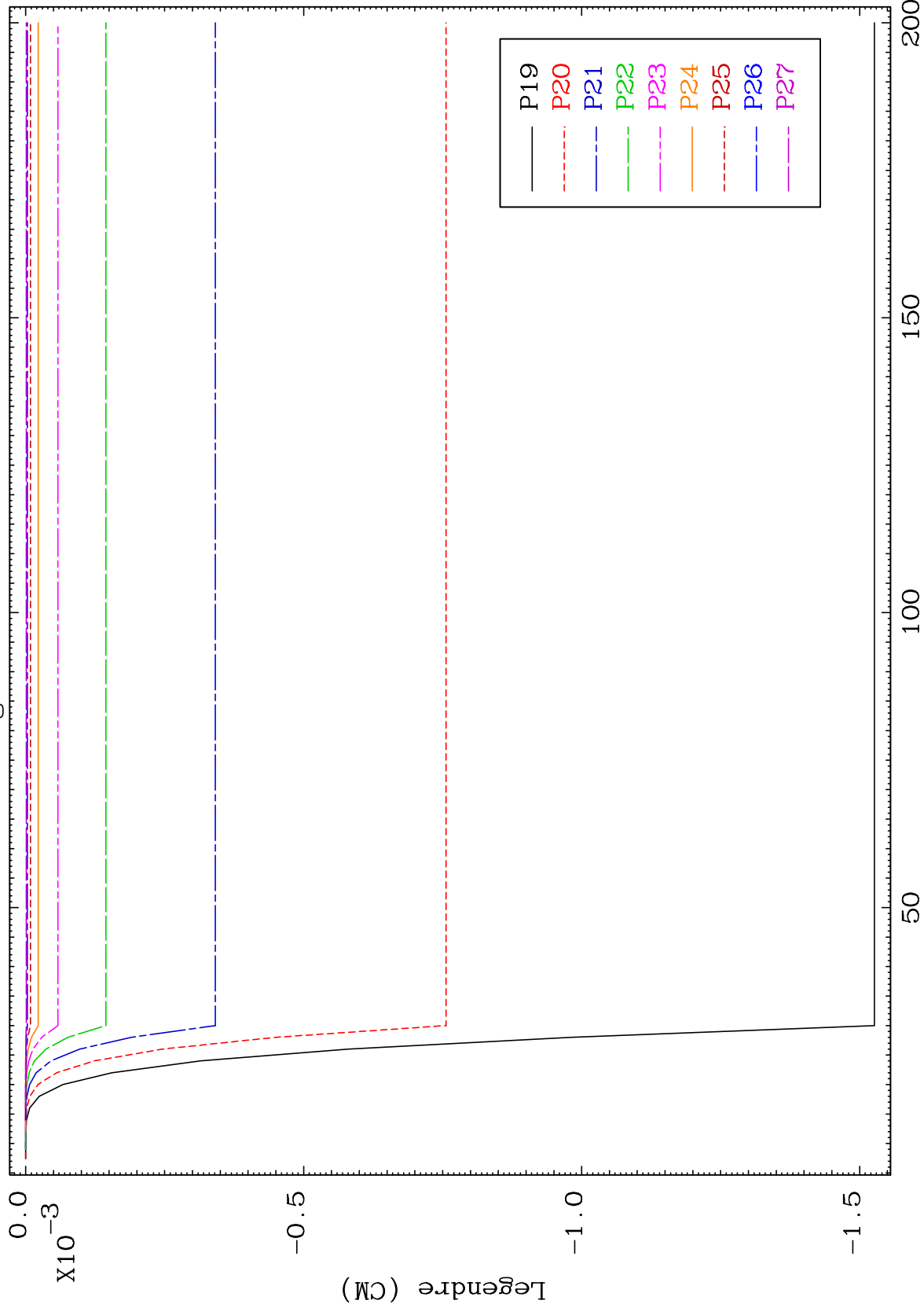


MAT 3916

MT= 72 (n,n') Level

Legendre Coefficients

39-Y -86



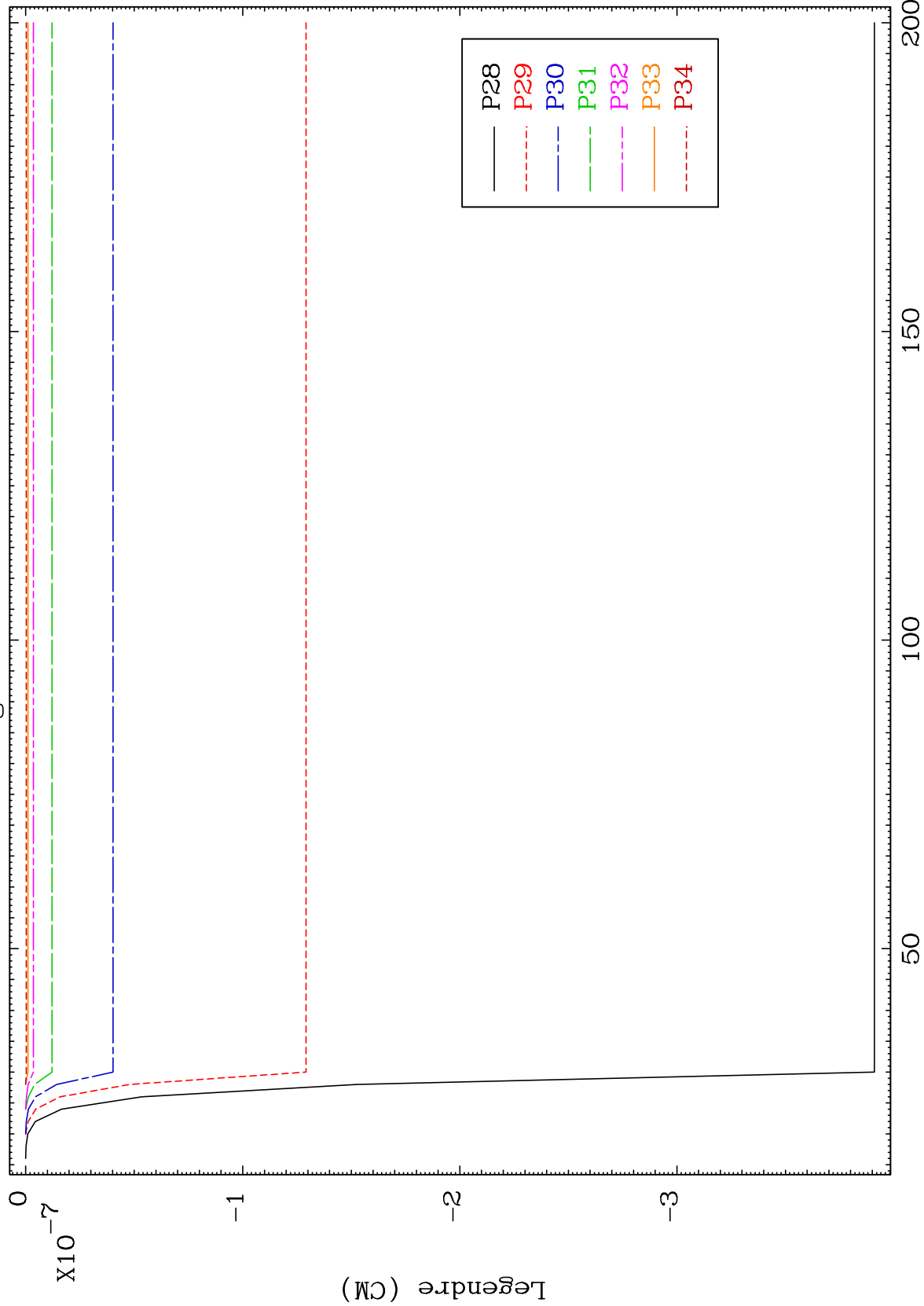
92

39-Y -86

MAT 3916

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

39-Y -86



93

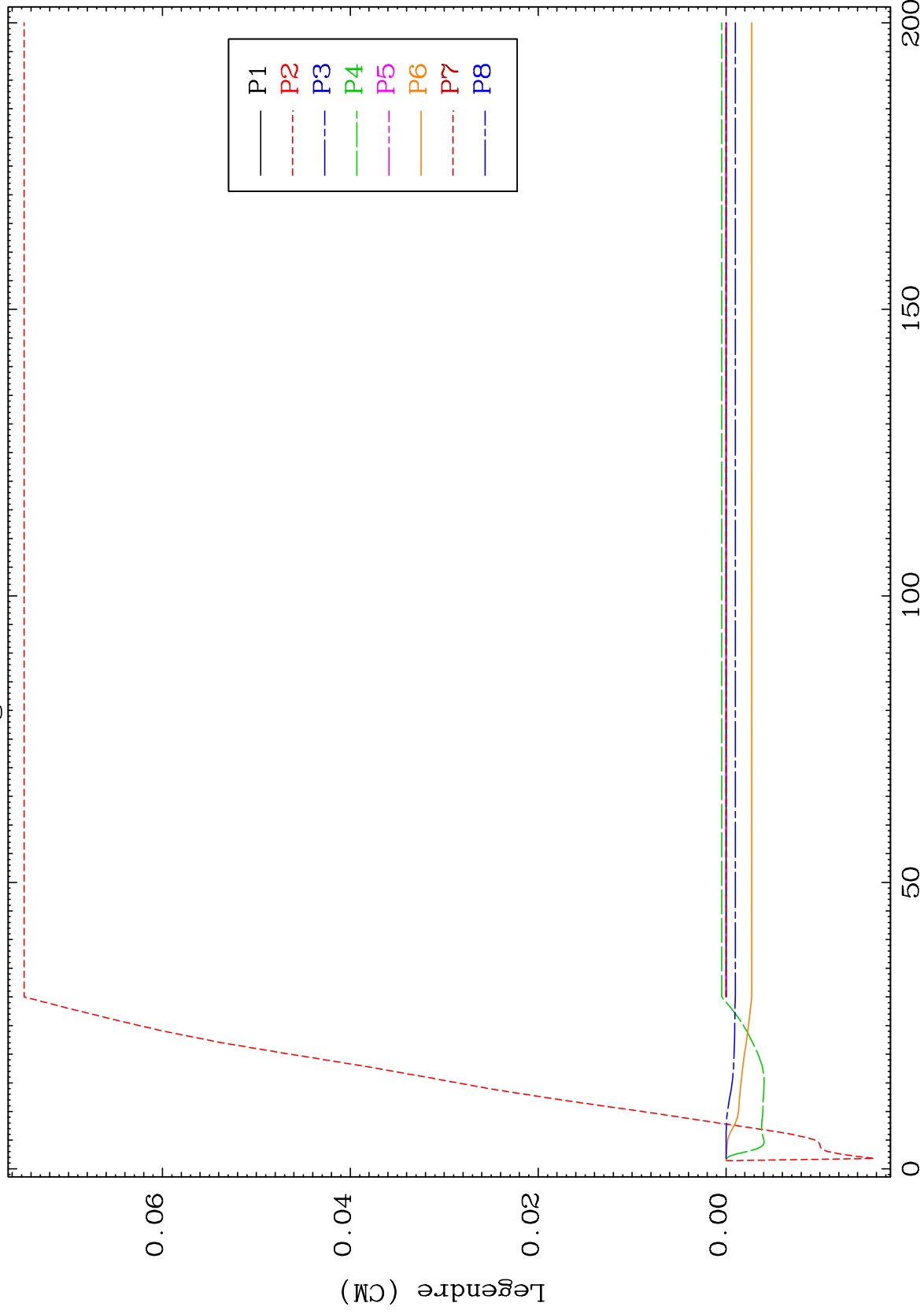
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



94

Incident Energy (MeV)

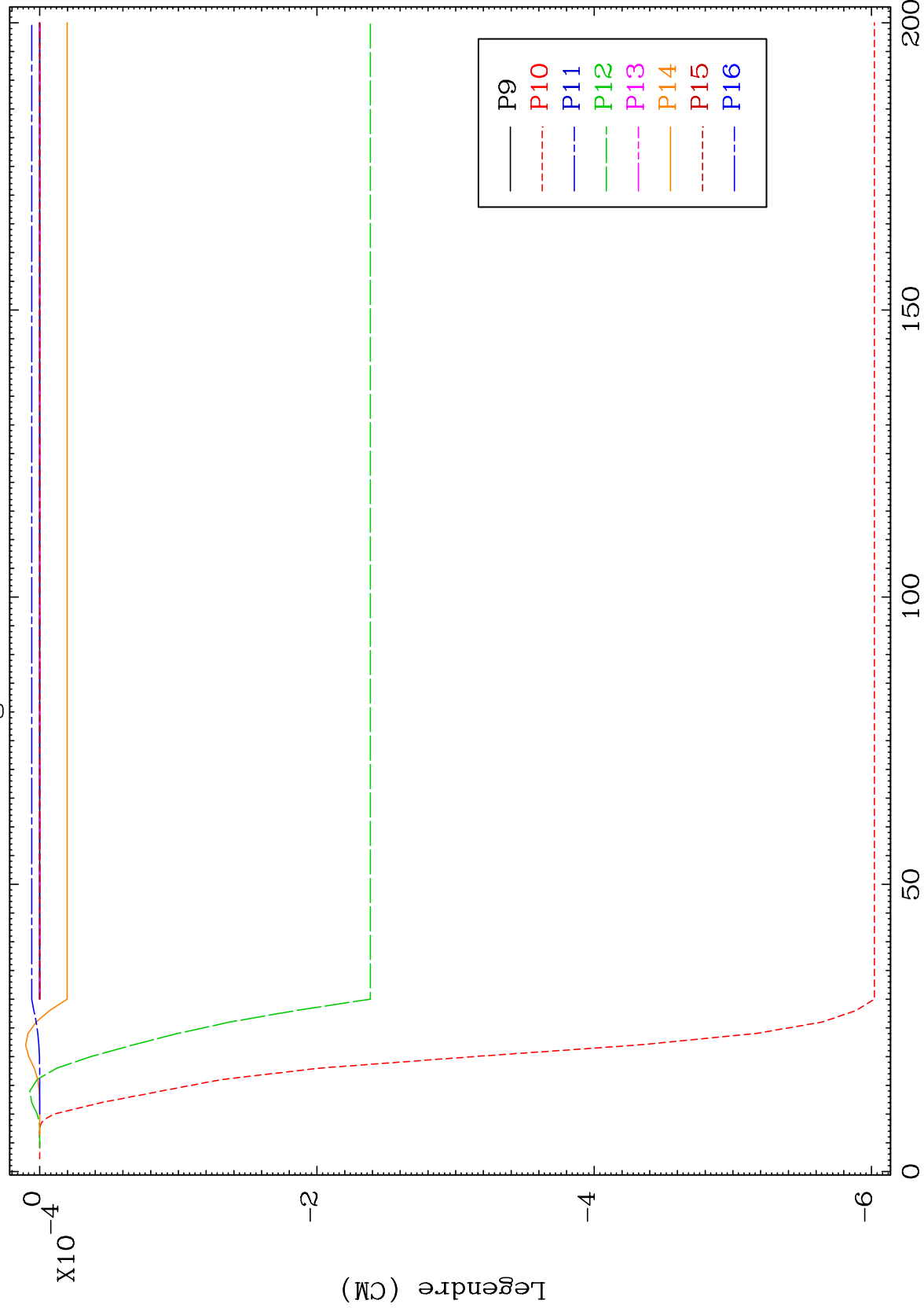
39-Y -86

MAT 3916

MT= 73 (n,n') Level

Legendre Coefficients

39-Y -86



39-Y -86

Incident Energy (MeV)

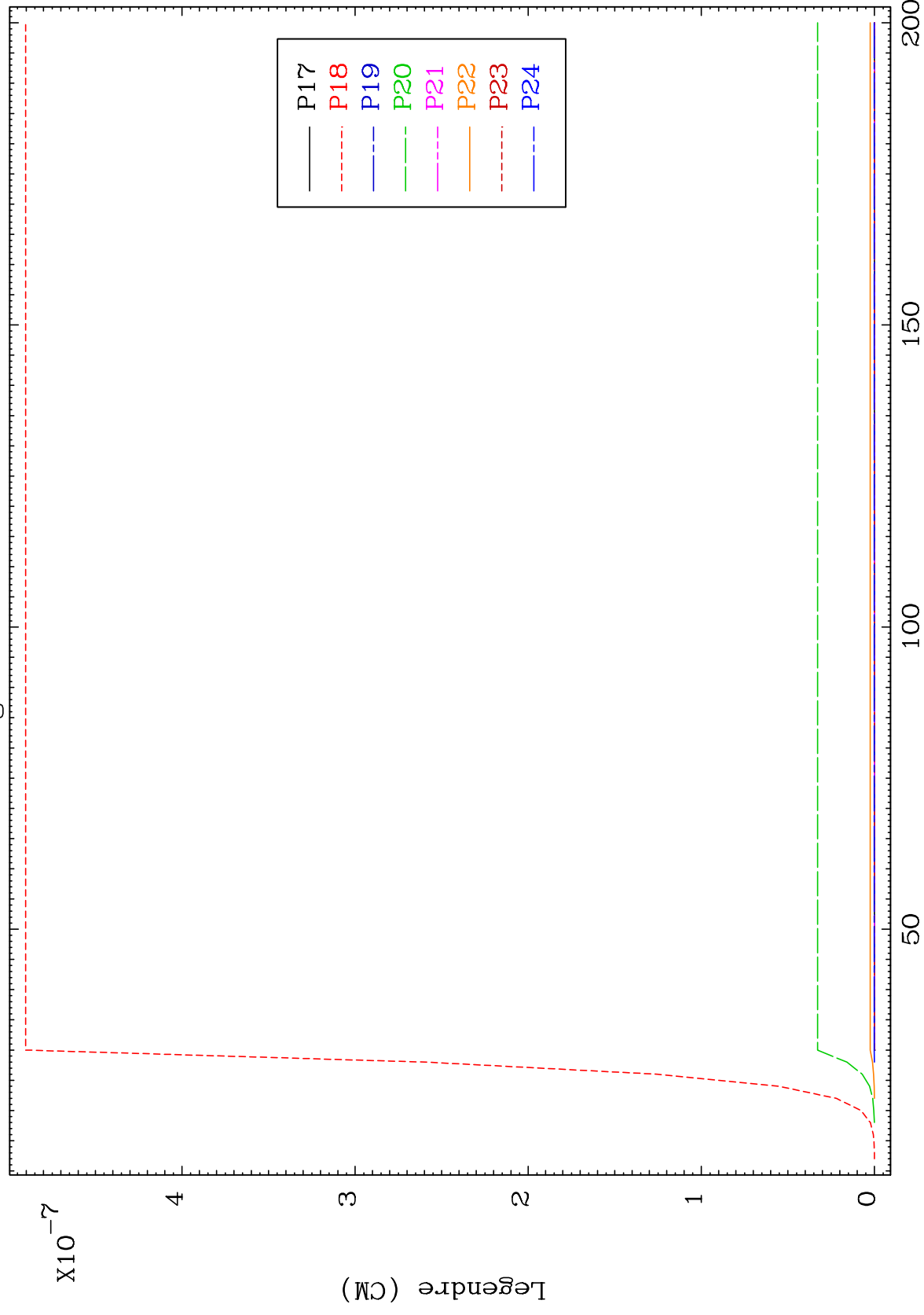
95



MAT 3916

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

39-Y -86



96

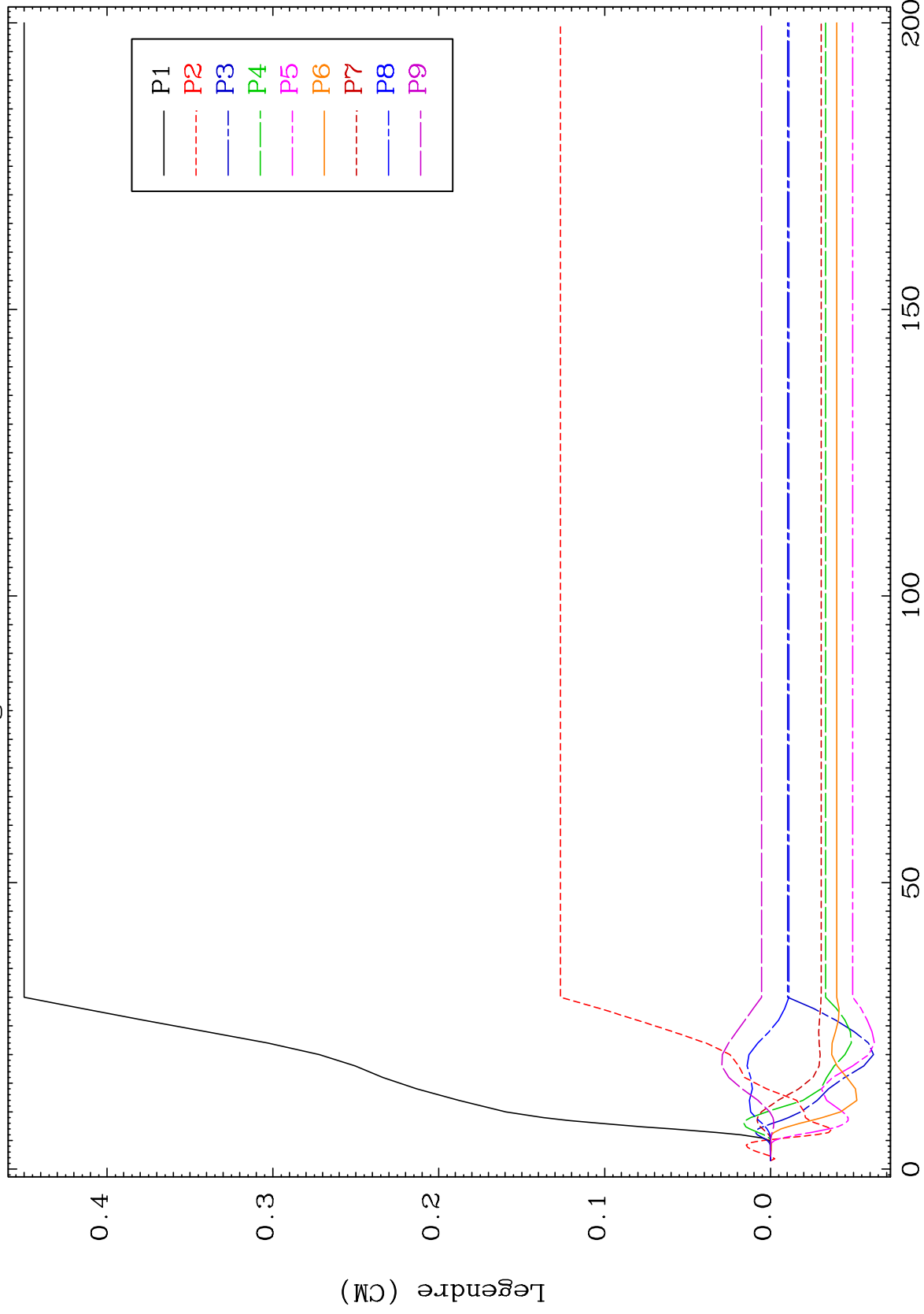
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



97

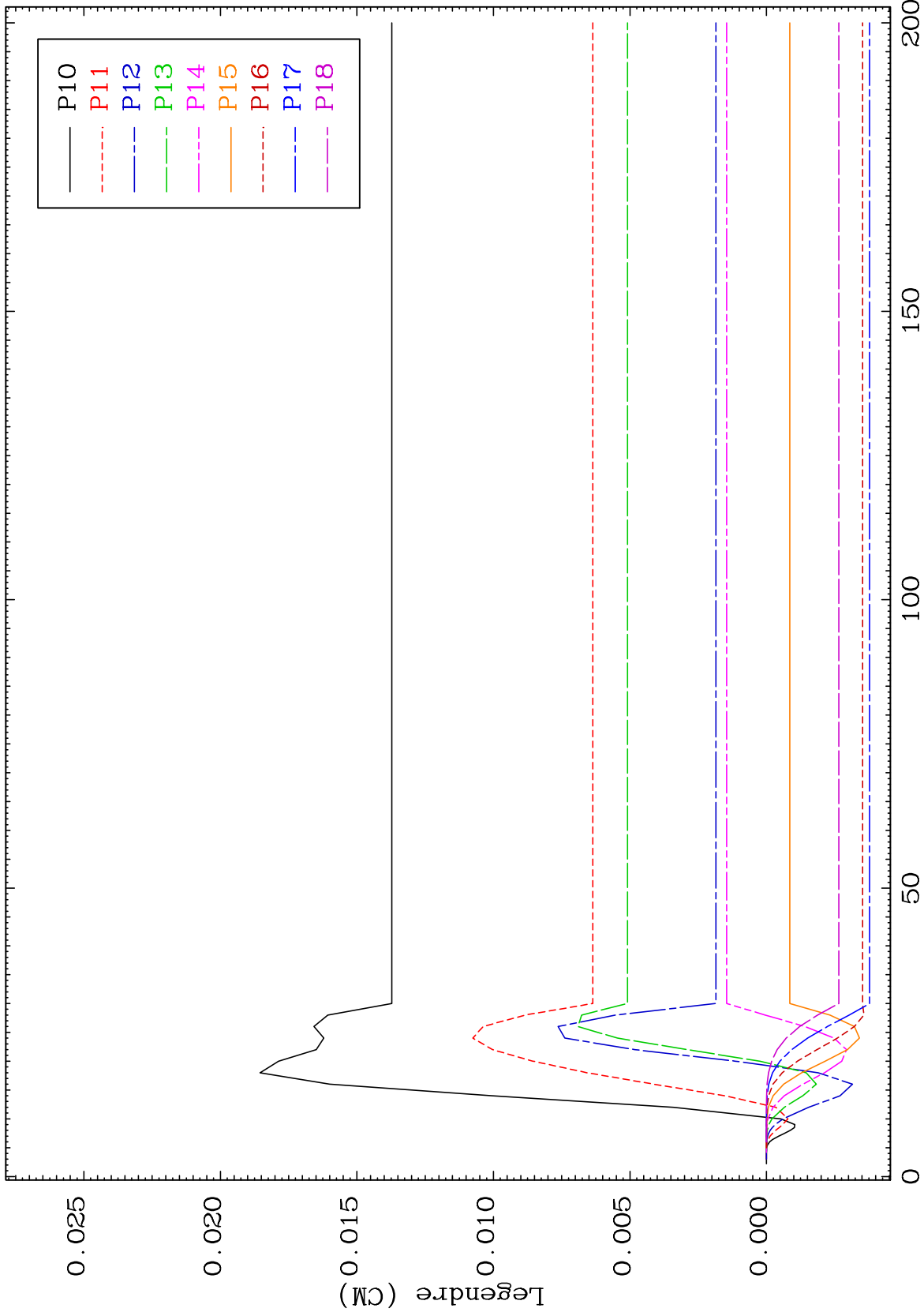
Incident Energy (MeV)

39-Y -86

MAT 3916

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

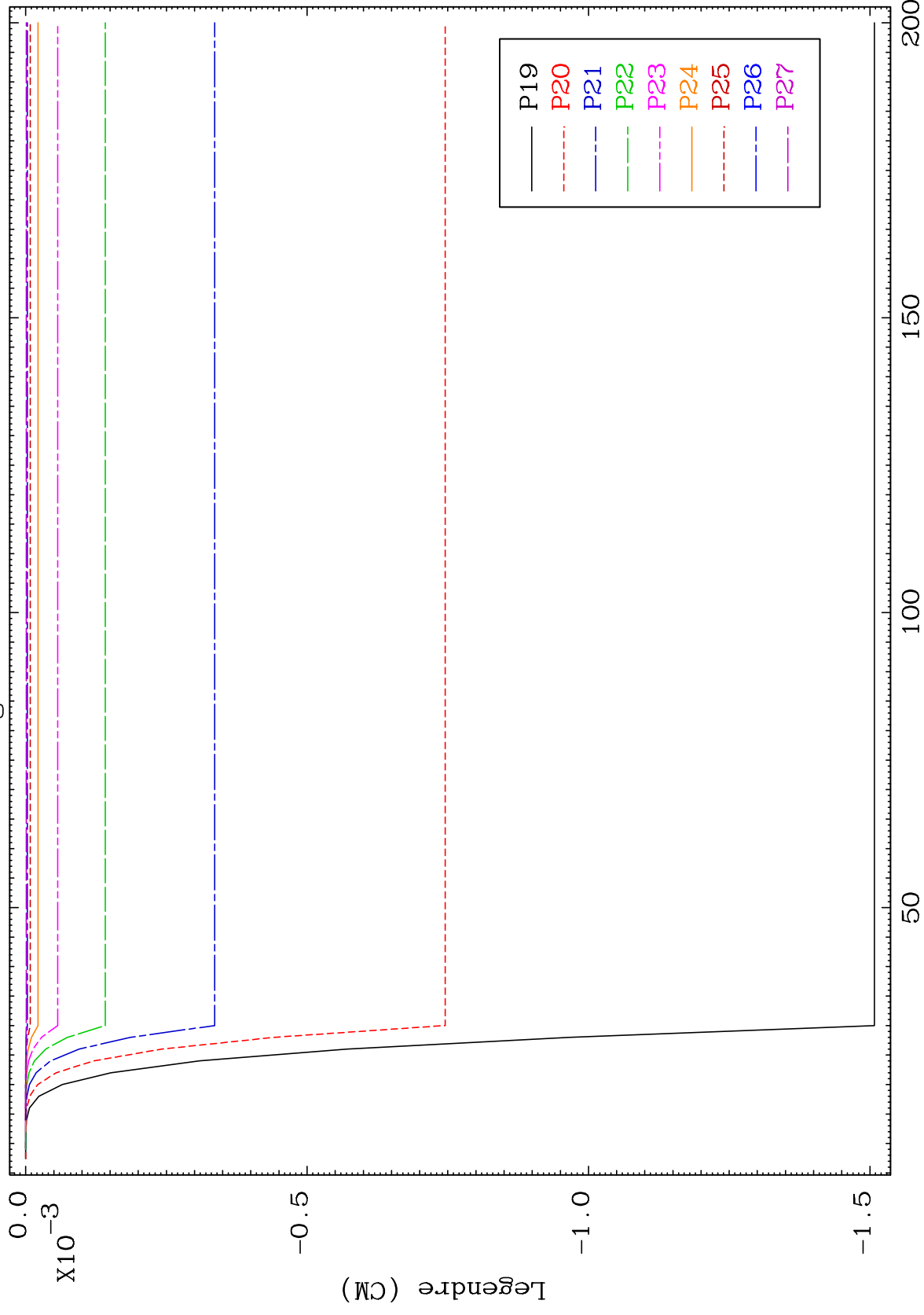
39-Y -86

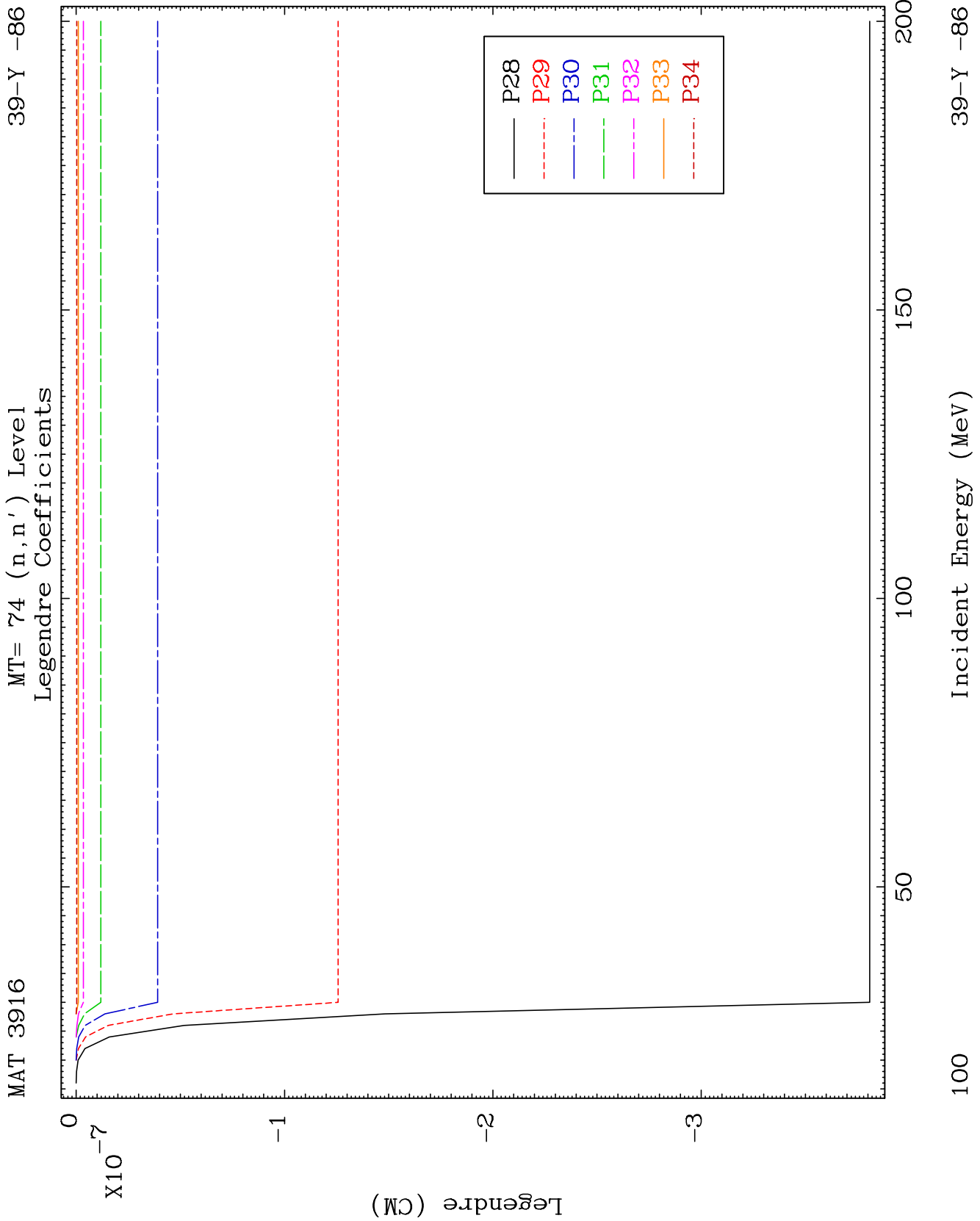


98

Incident Energy (MeV)

39-Y -86

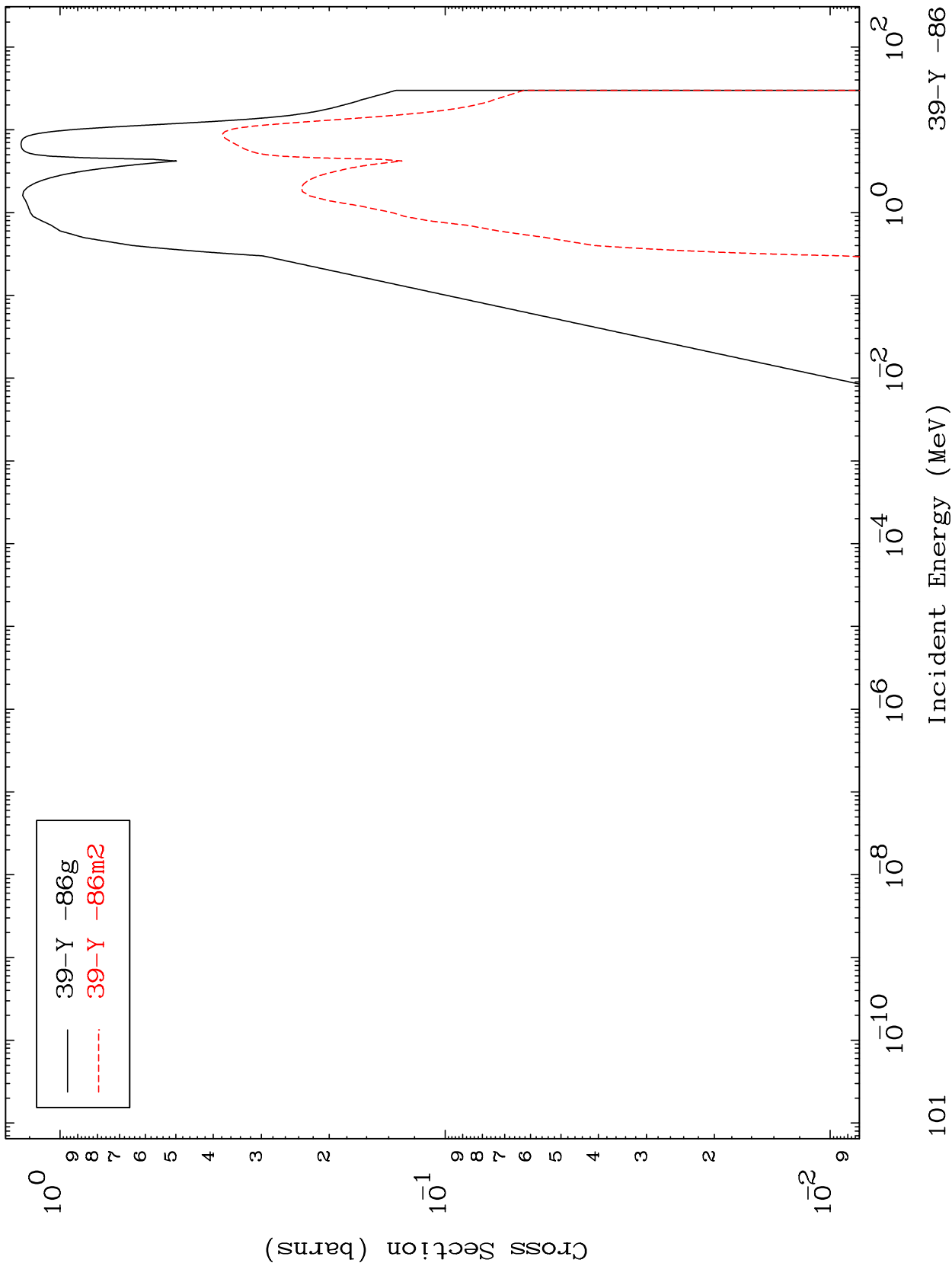




MAT 3916

39-Y -86

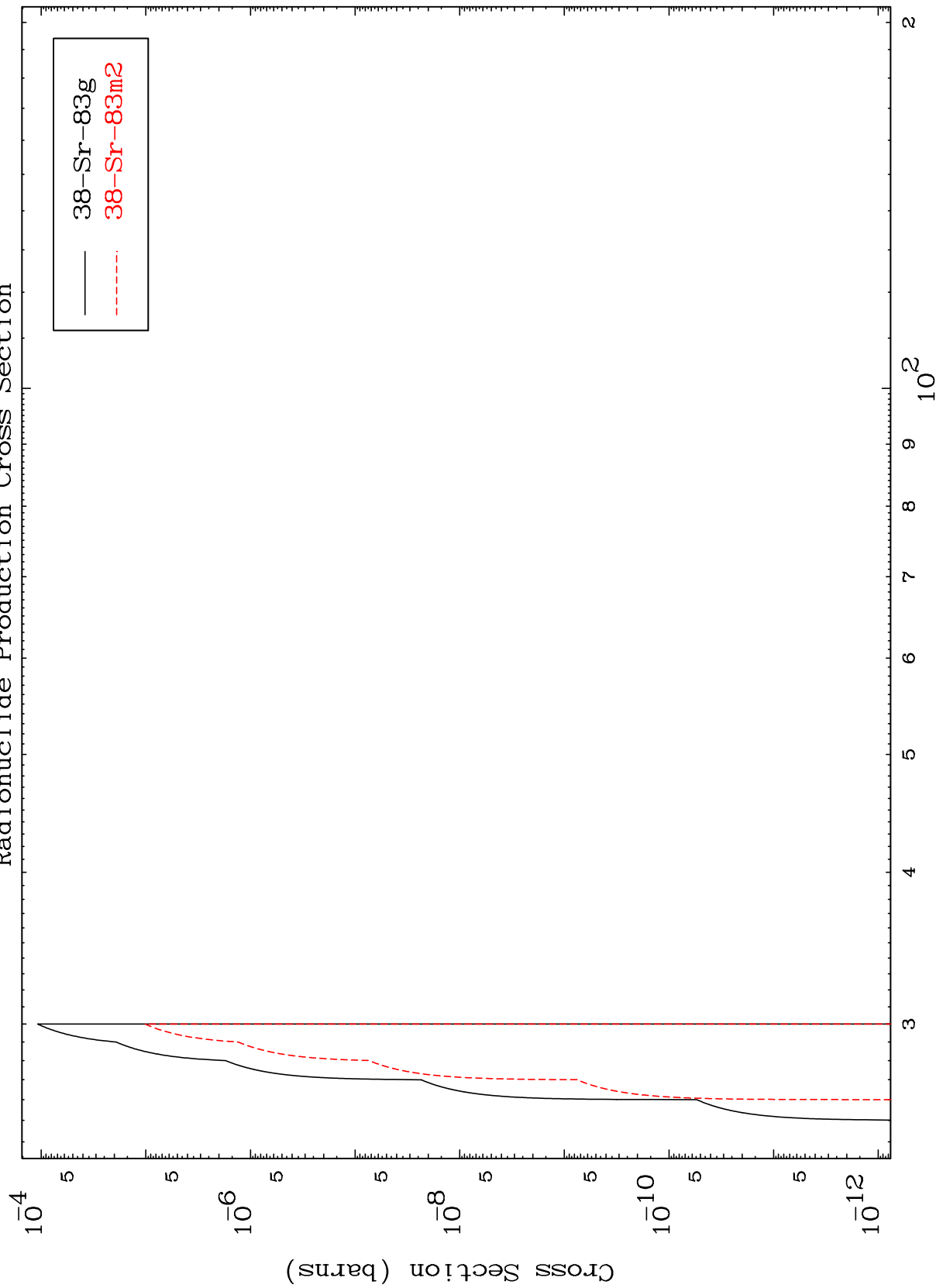
Inelastic  
Radionuclide Production Cross Section



101

39-Y -86

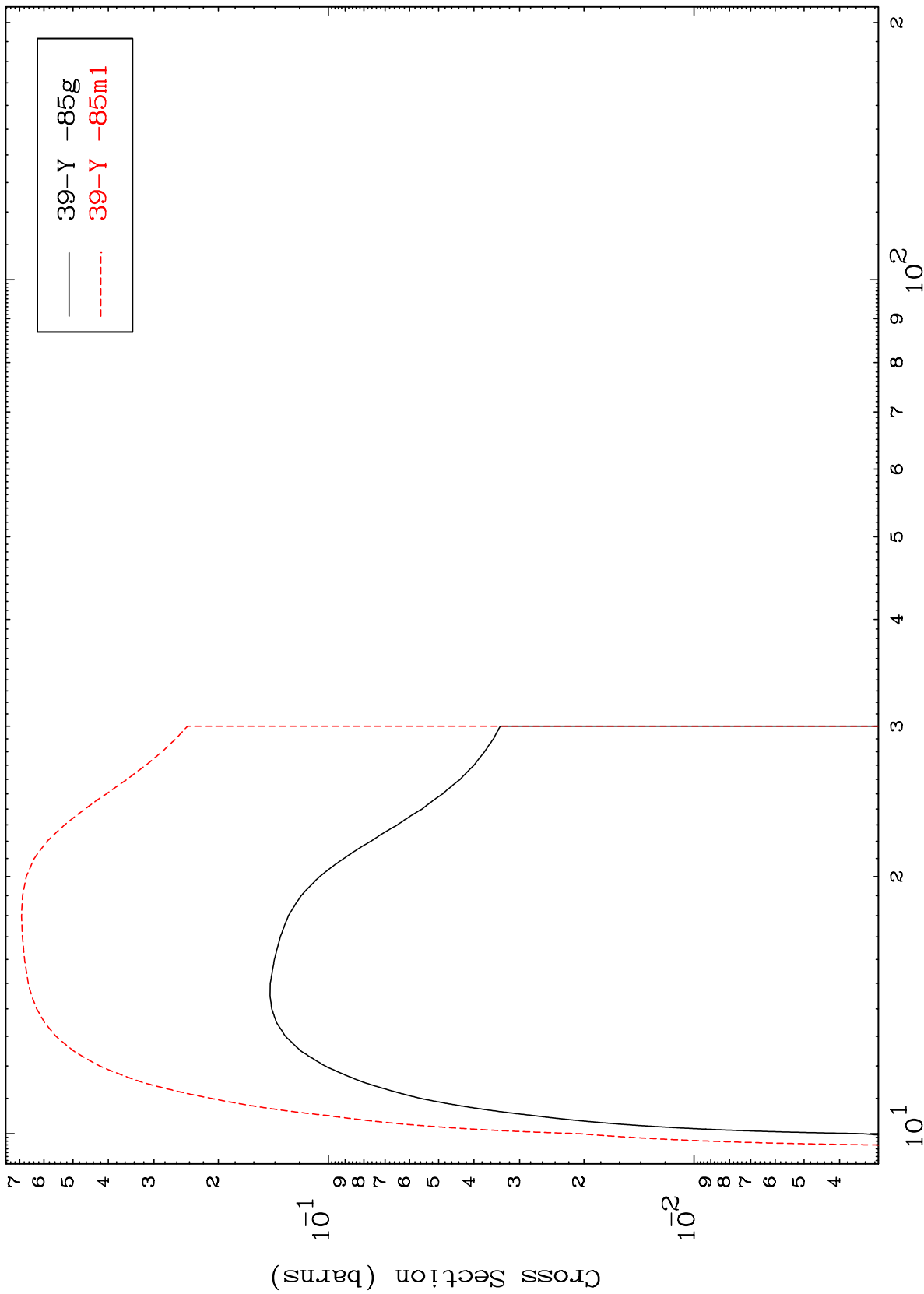
Radionuclide Production Cross Section



MAT 3916

39-Y -86

(n,2n)  
Radionuclide Production Cross Section



39-Y -85g  
39-Y -85m1

39-Y -86

Incident Energy (MeV)

103

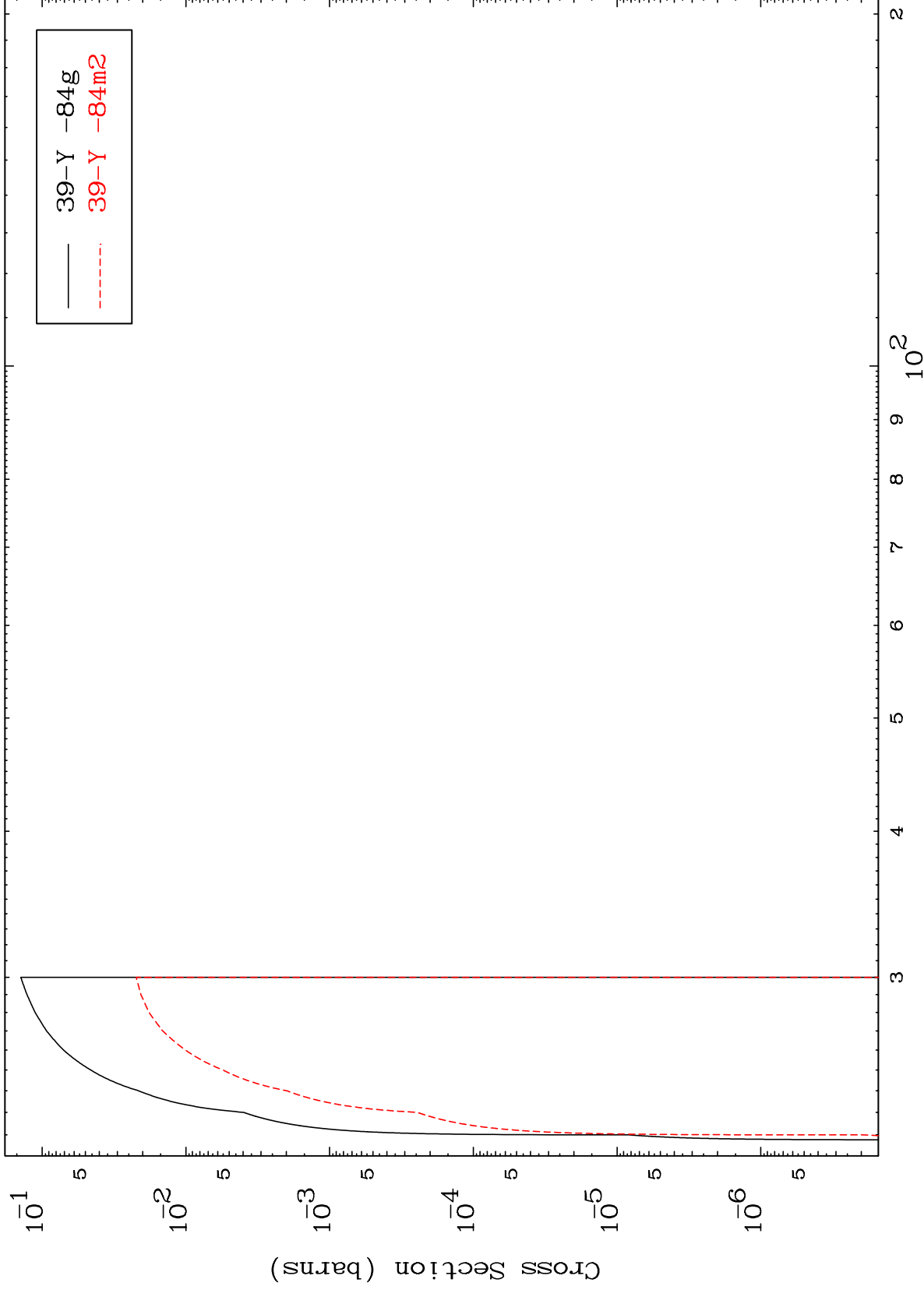


MAT 3916

(n,3n)

39-Y -86

Radionuclide Production Cross Section

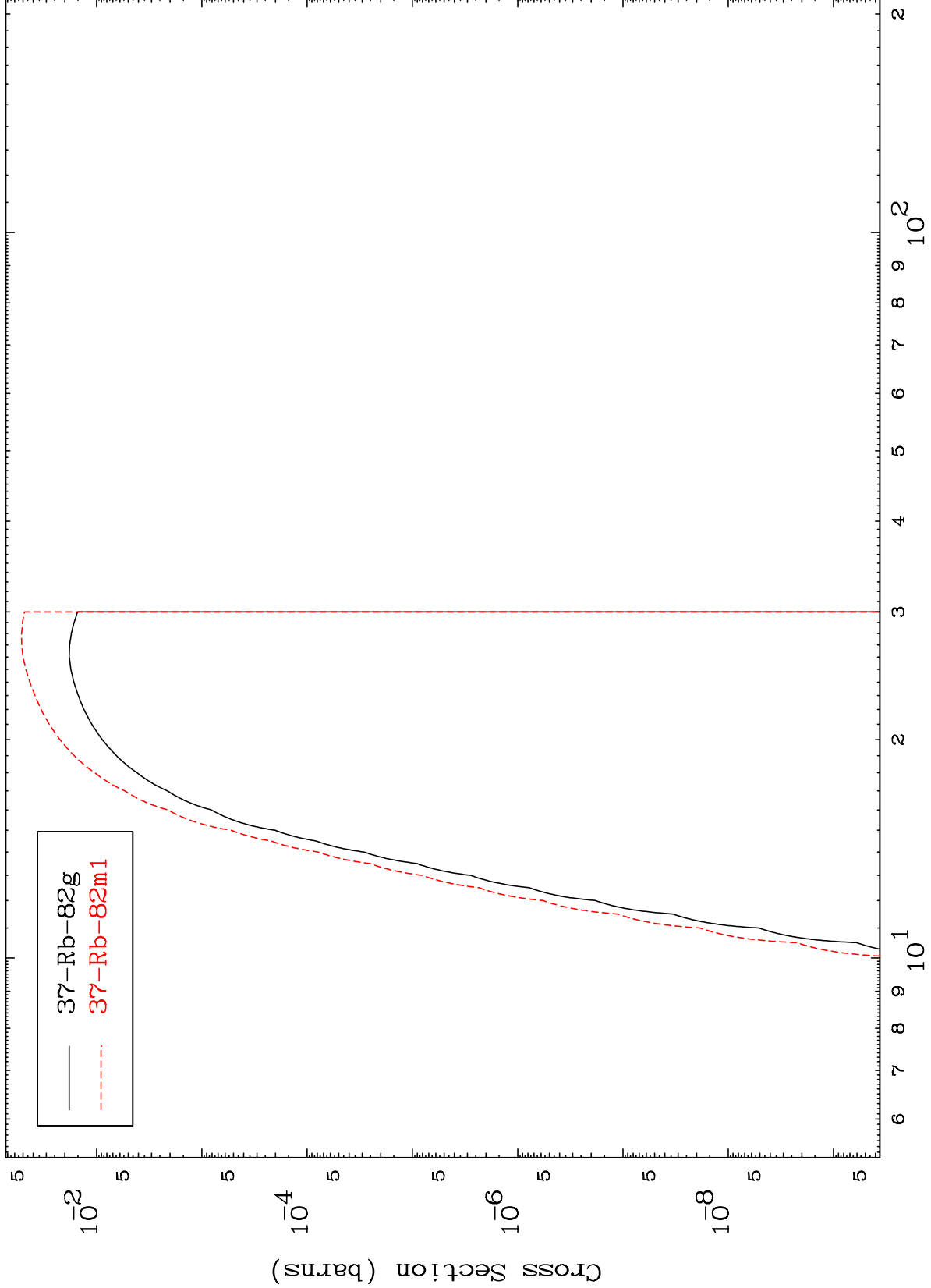


104

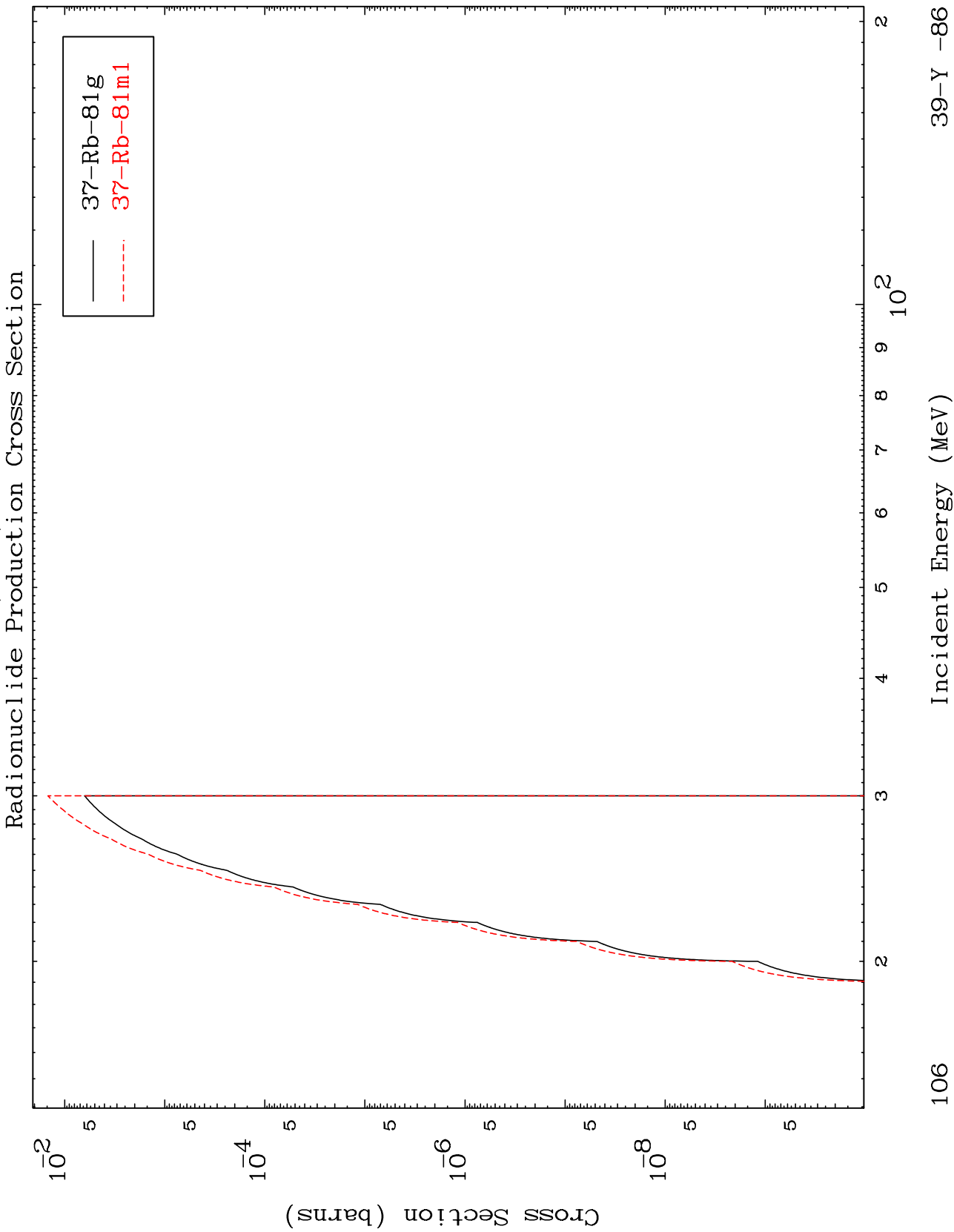
Incident Energy (MeV)

39-Y -86

Radionuclide Production Cross Section

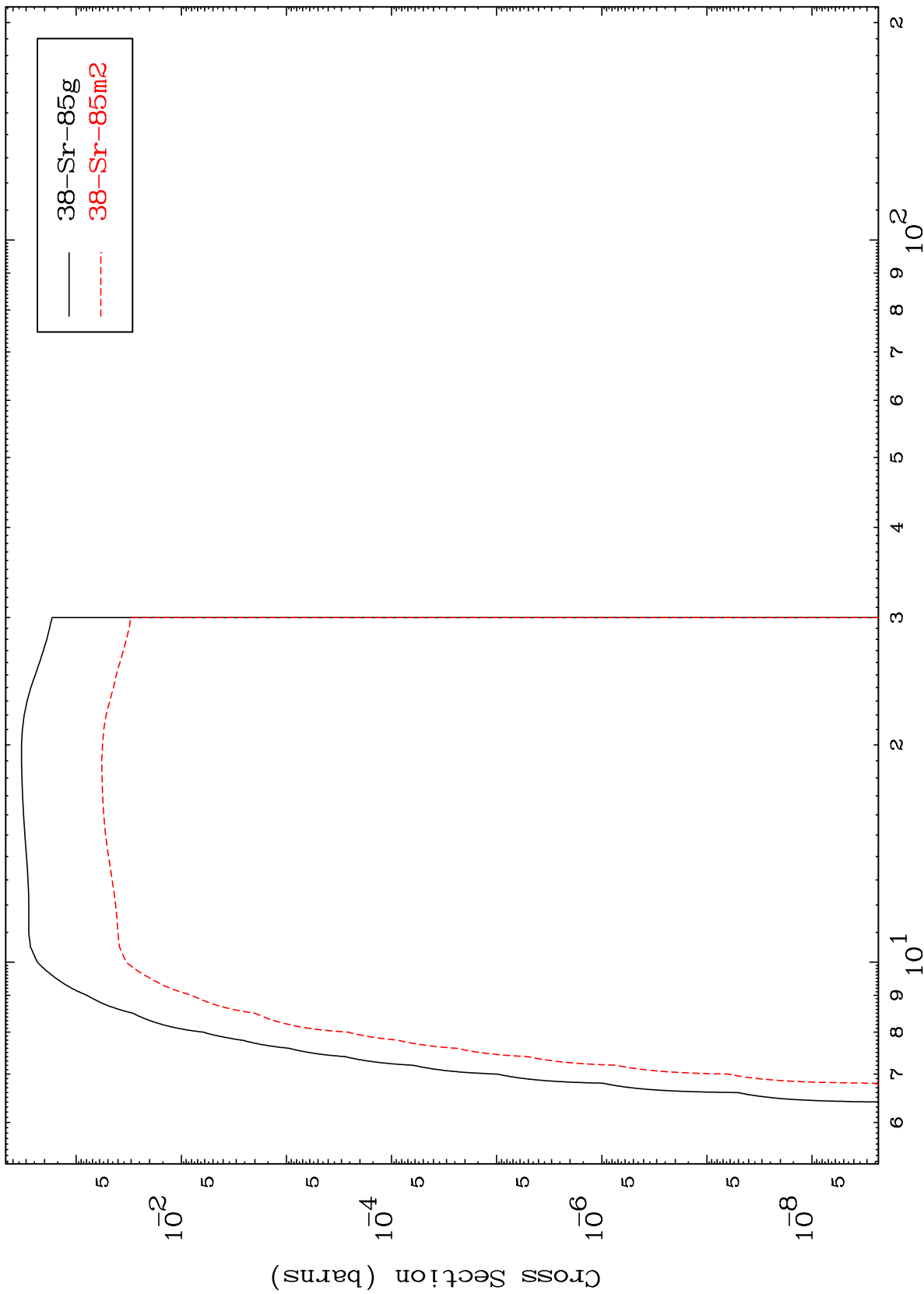


— 37-Rb-82g  
- - - 37-Rb-82m1

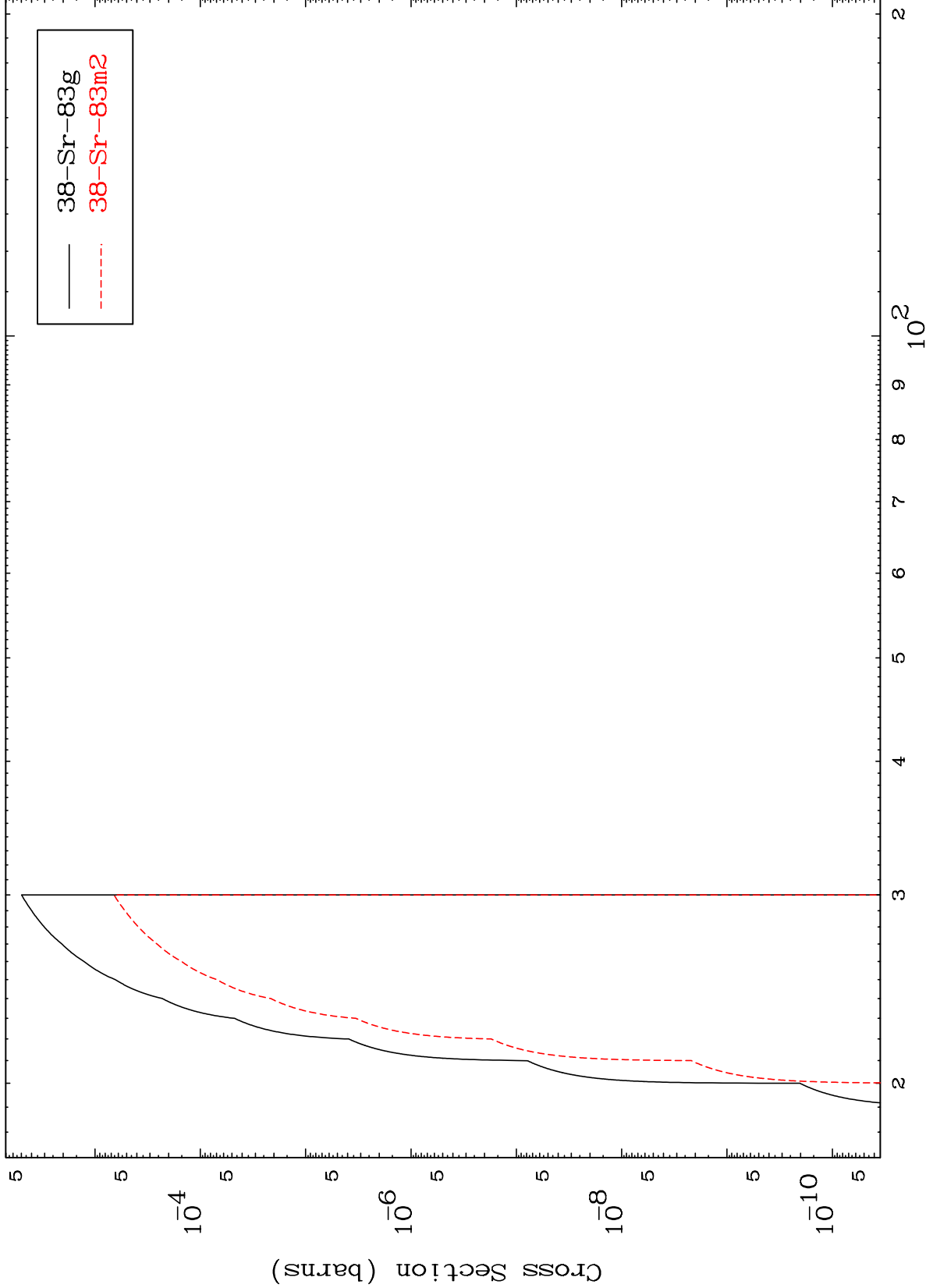


(n,n') p

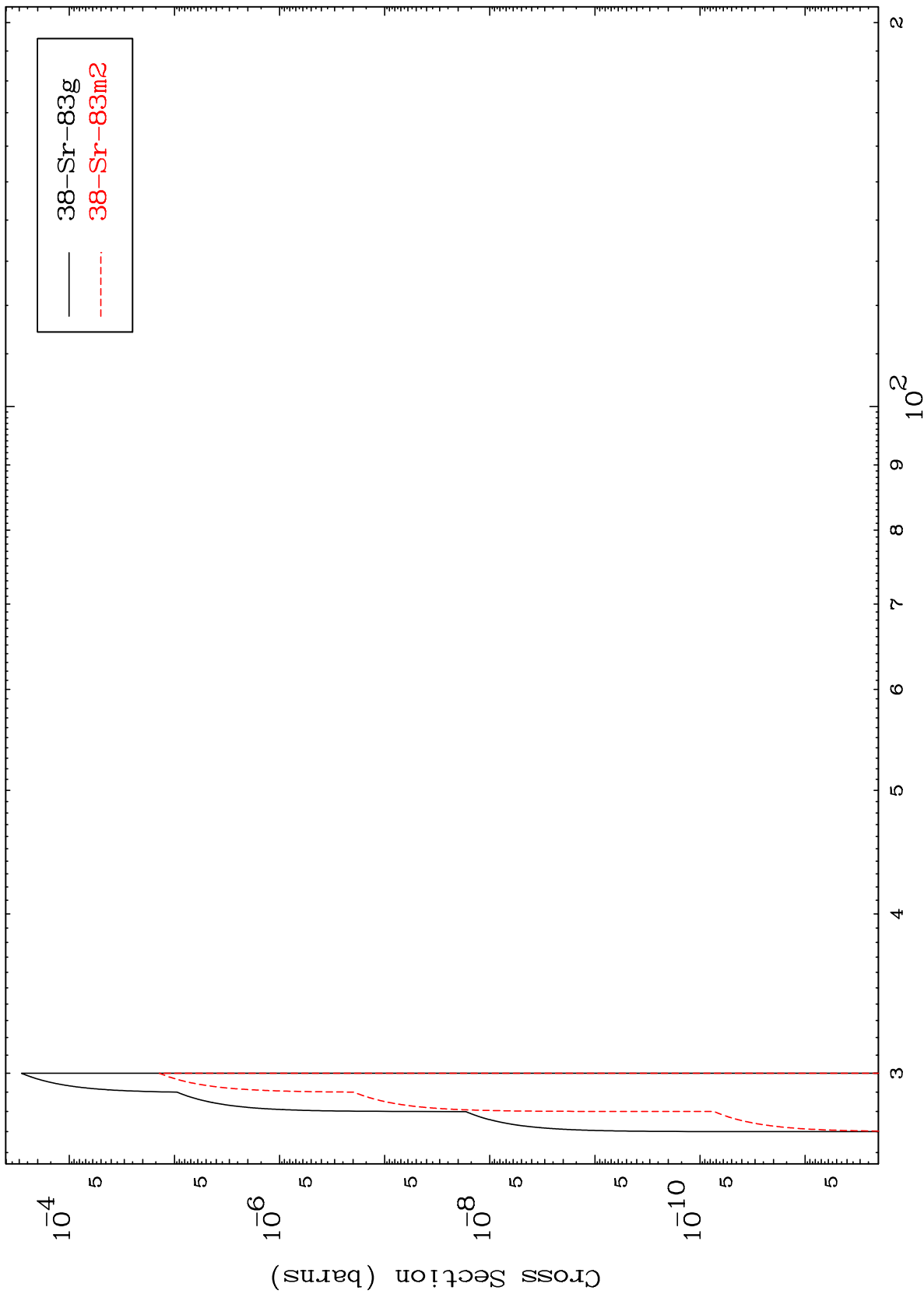
Radionuclide Production Cross Section



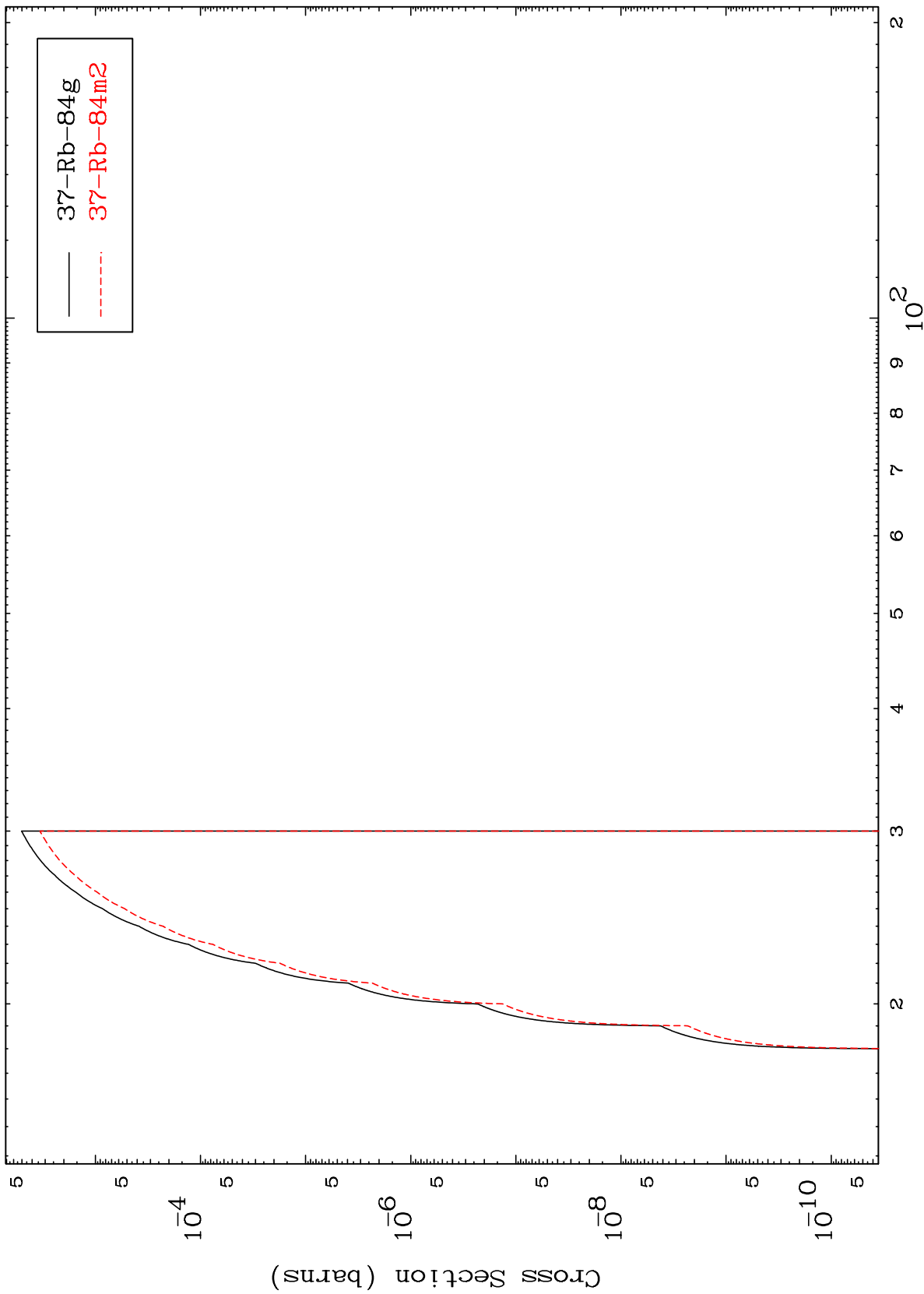
Radionuclide Production Cross Section



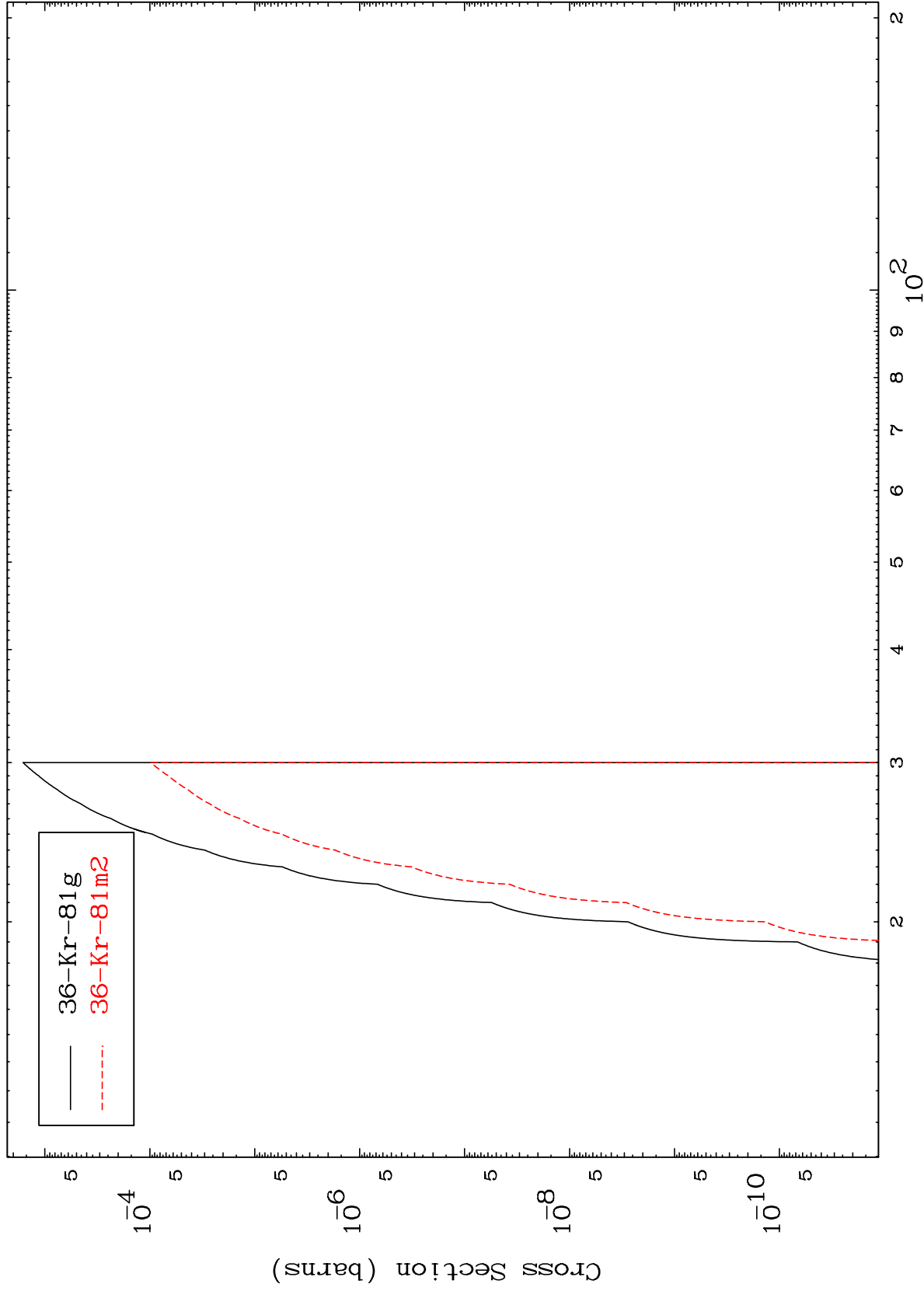
Radionuclide Production Cross Section



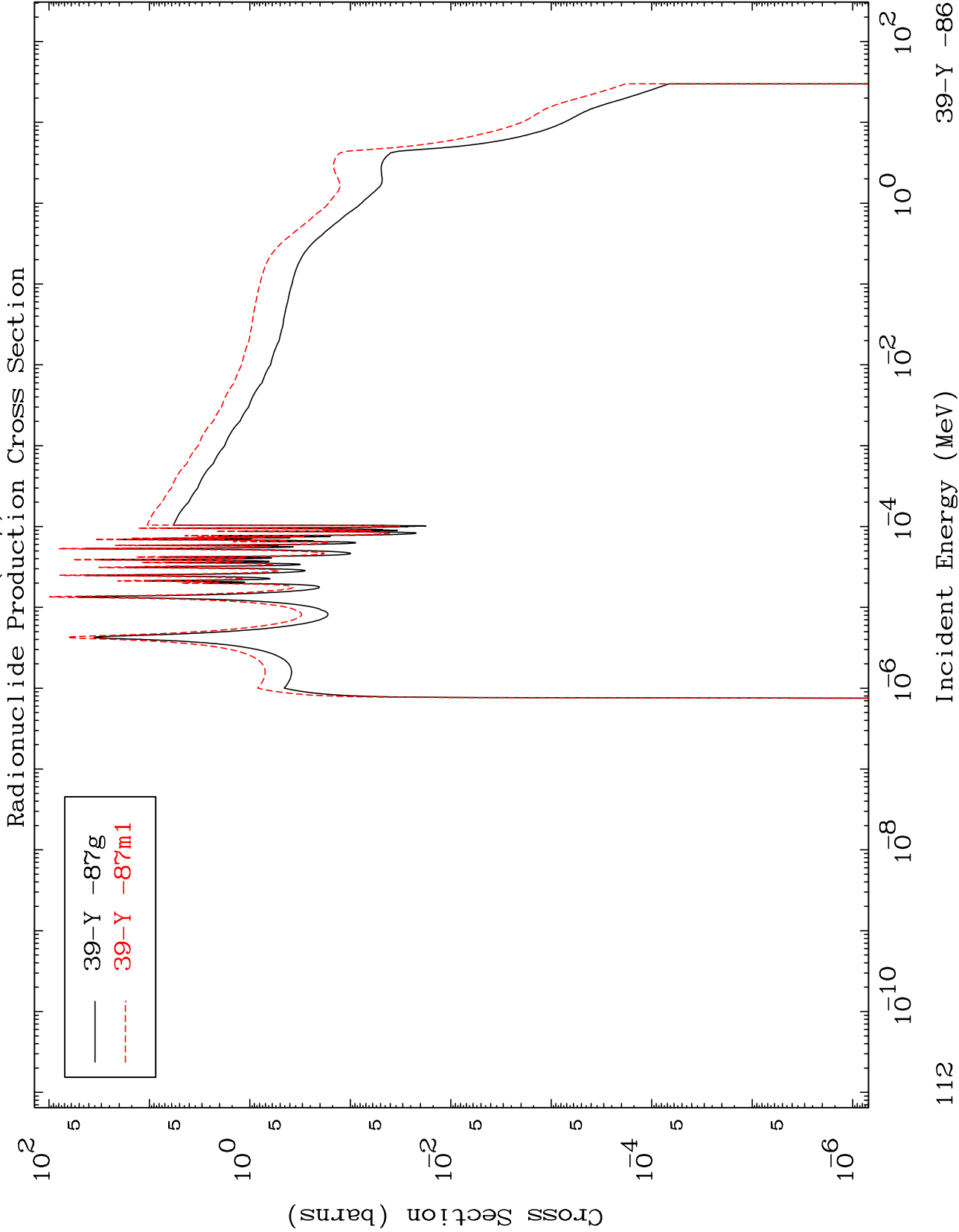
Radionuclide Production Cross Section



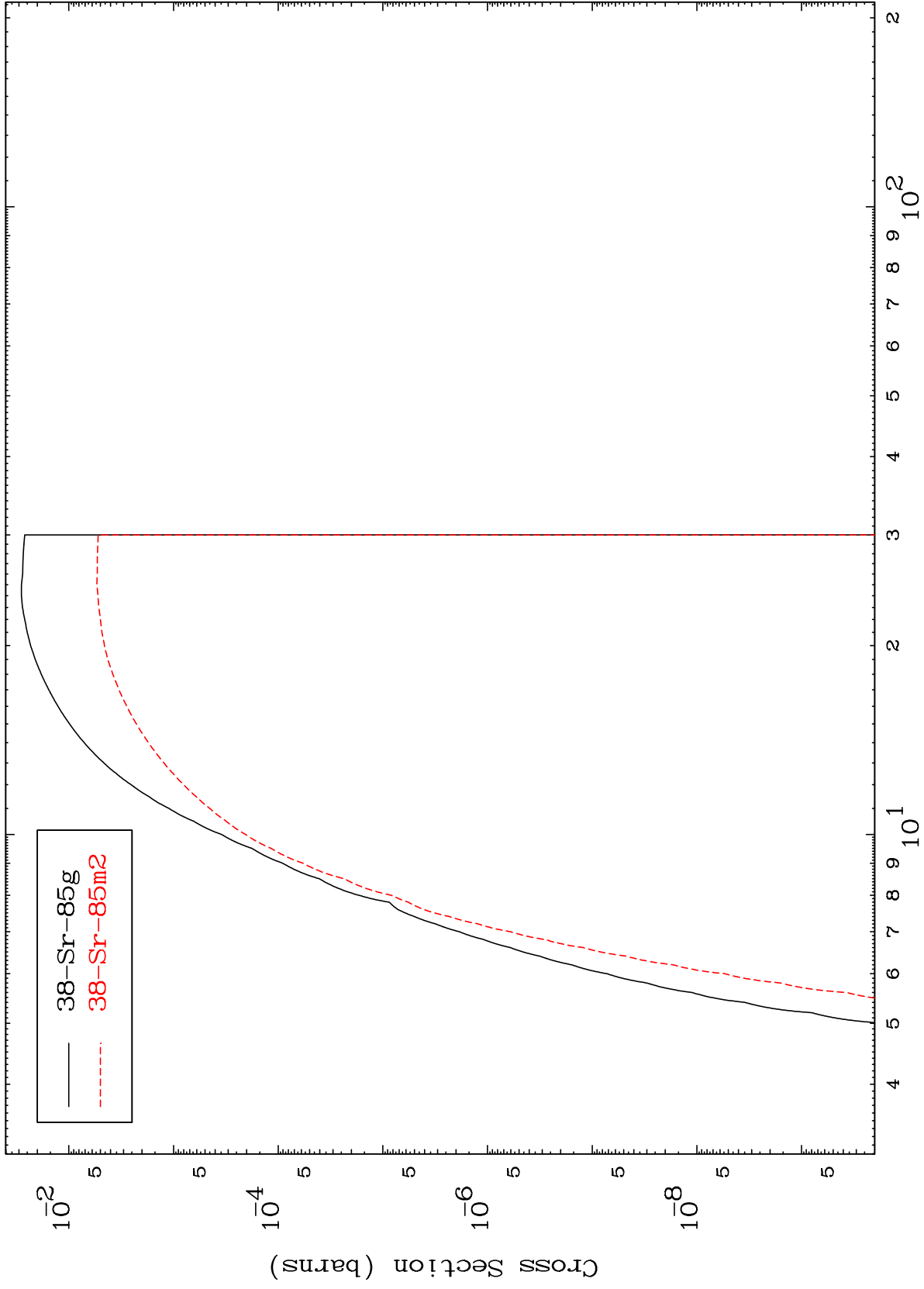
Radionuclide Production Cross Section

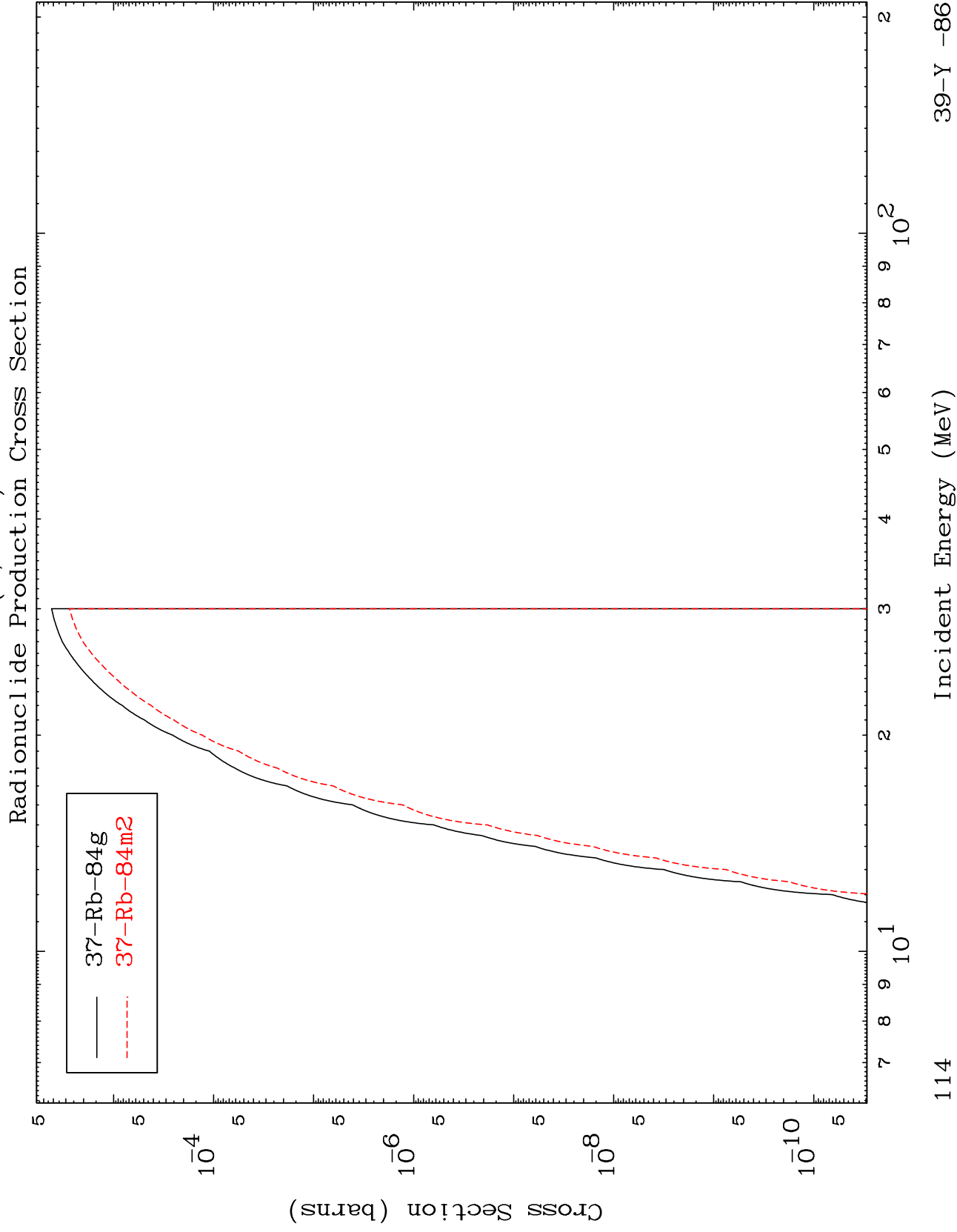






Radionuclide Production Cross Section (n,d)



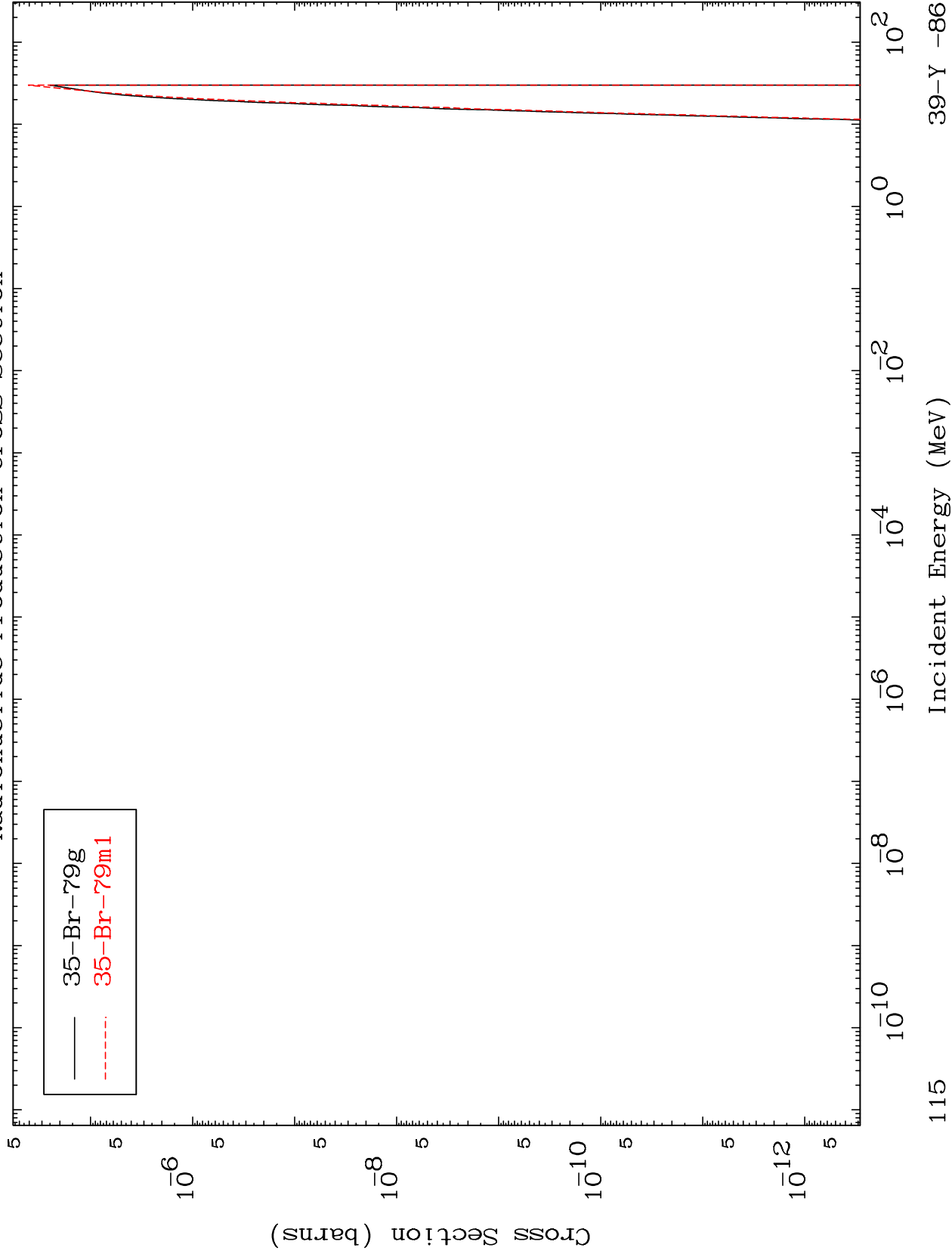


MAT 3916

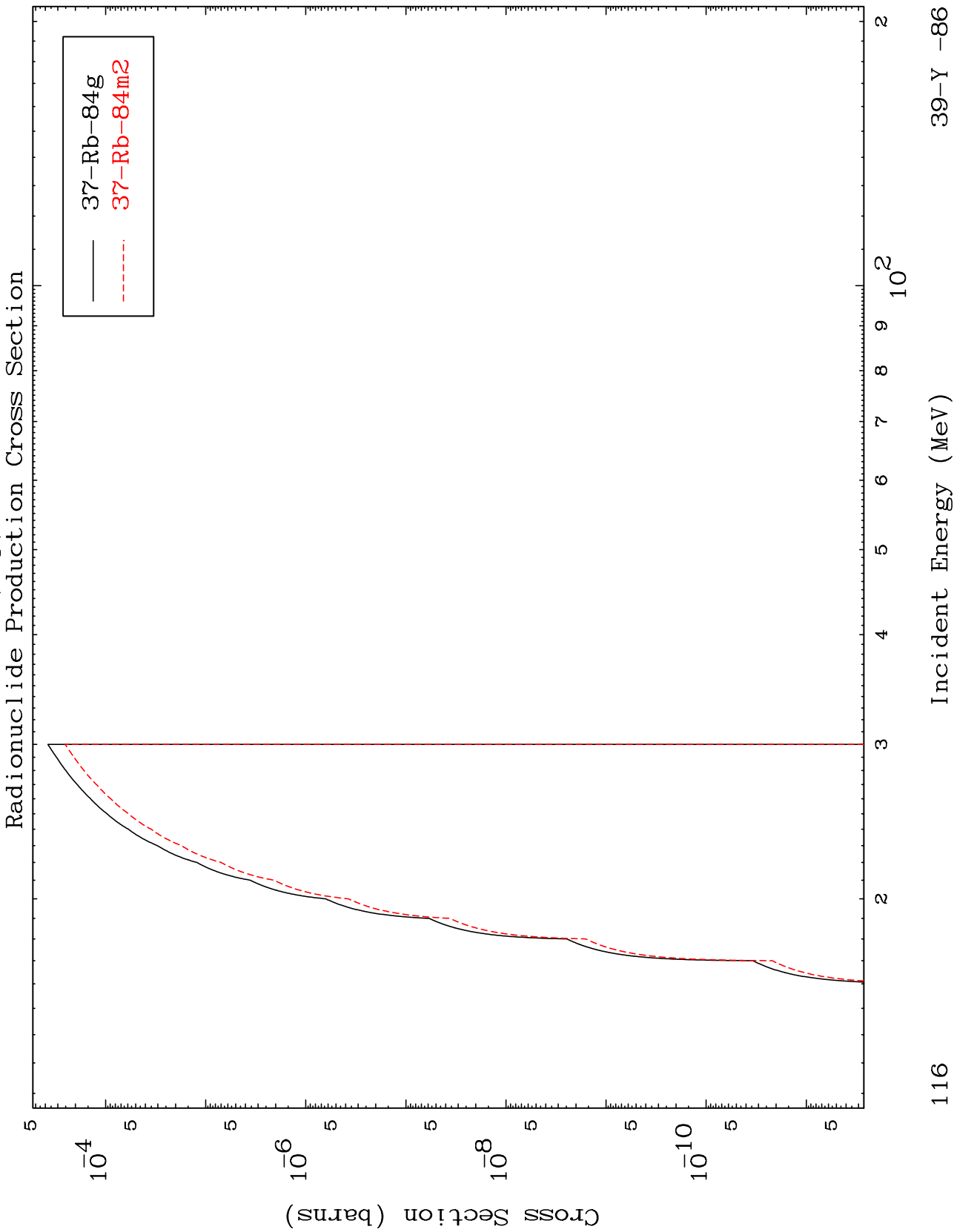
(n,2α)

39-Y -86

Radionuclide Production Cross Section



115

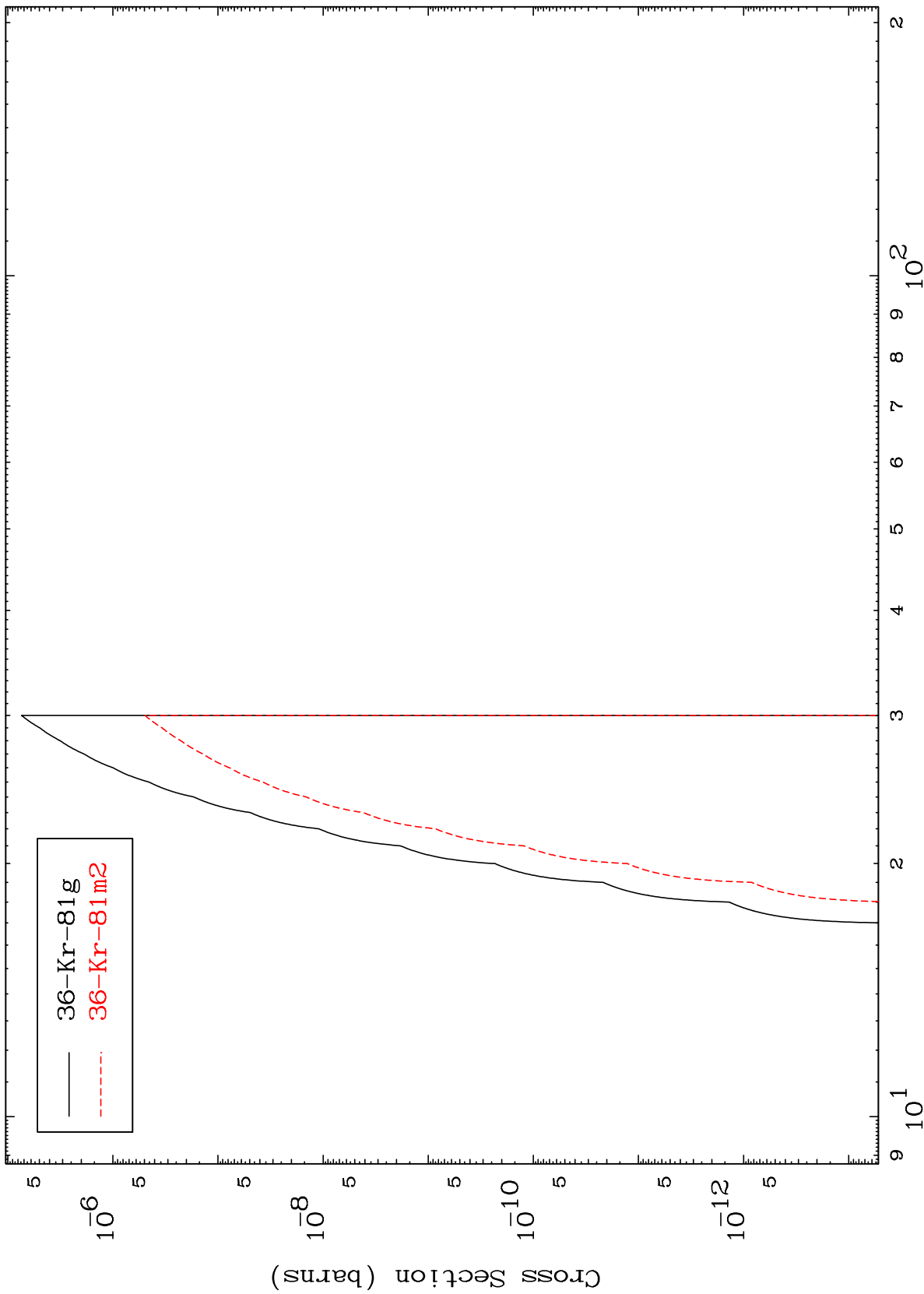


MAT 3916

(n,d)  $\alpha$

39-Y -86

Radionuclide Production Cross Section



Incident Energy (MeV)

39-Y -86

117