

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

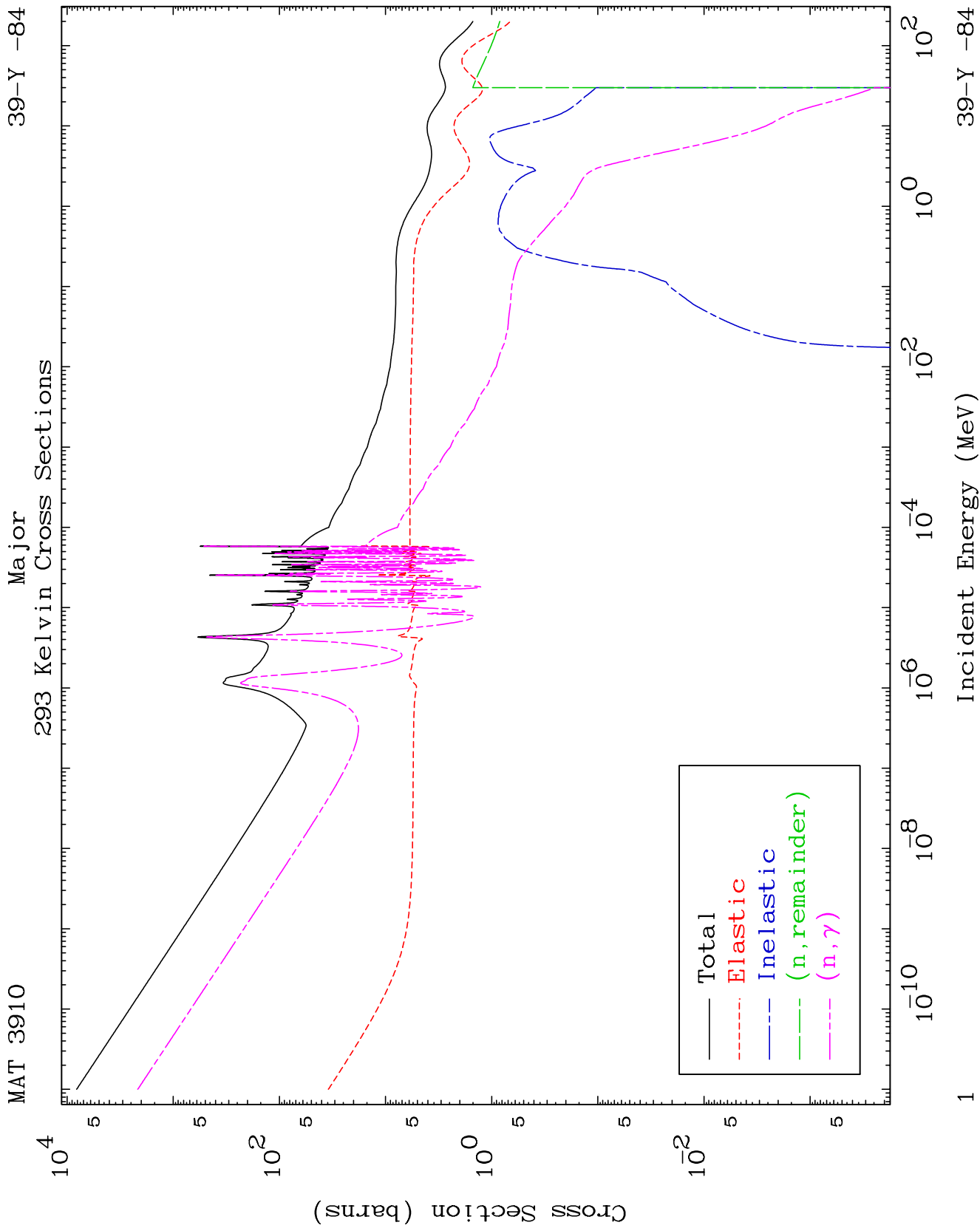
Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

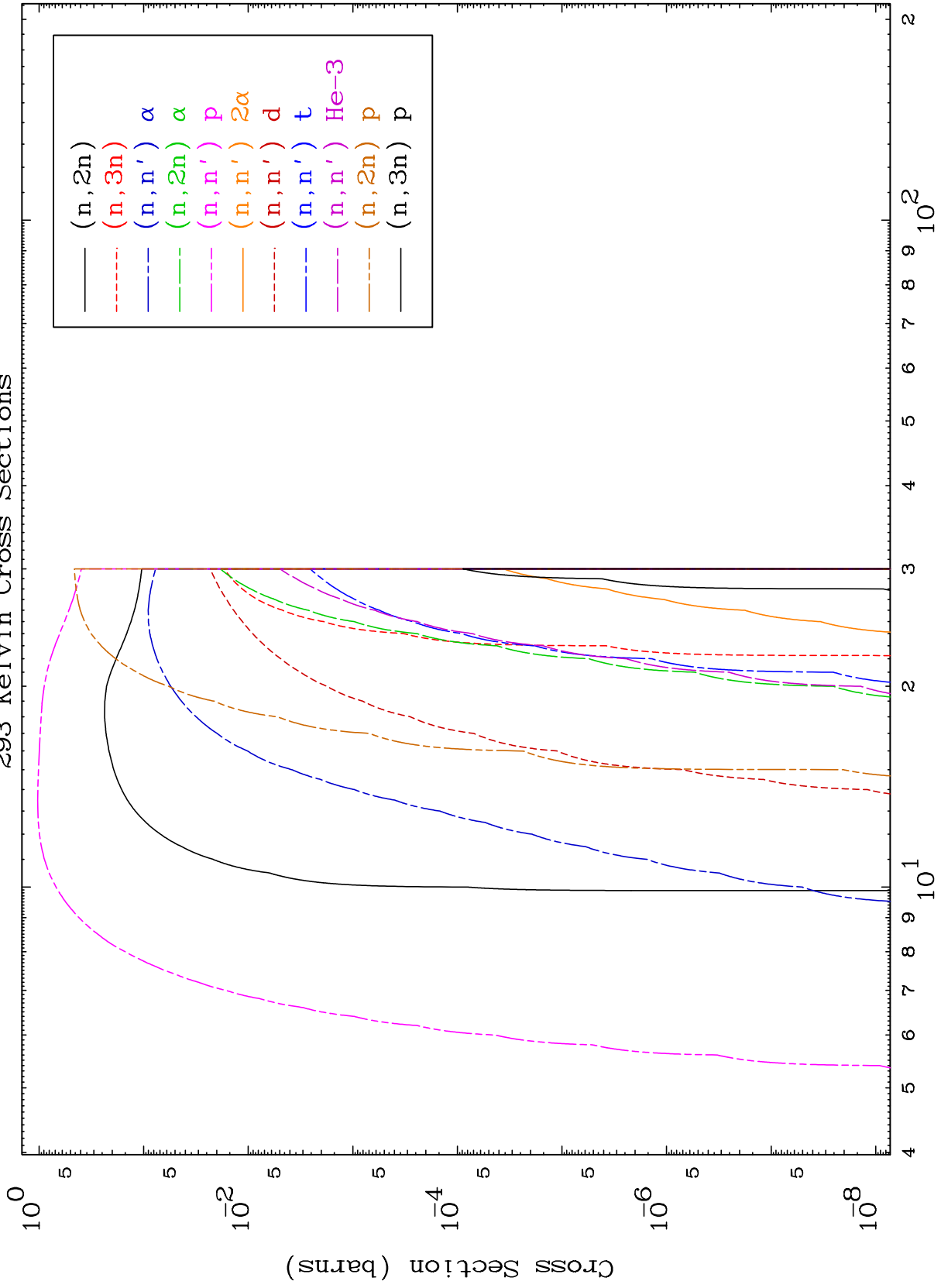
Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

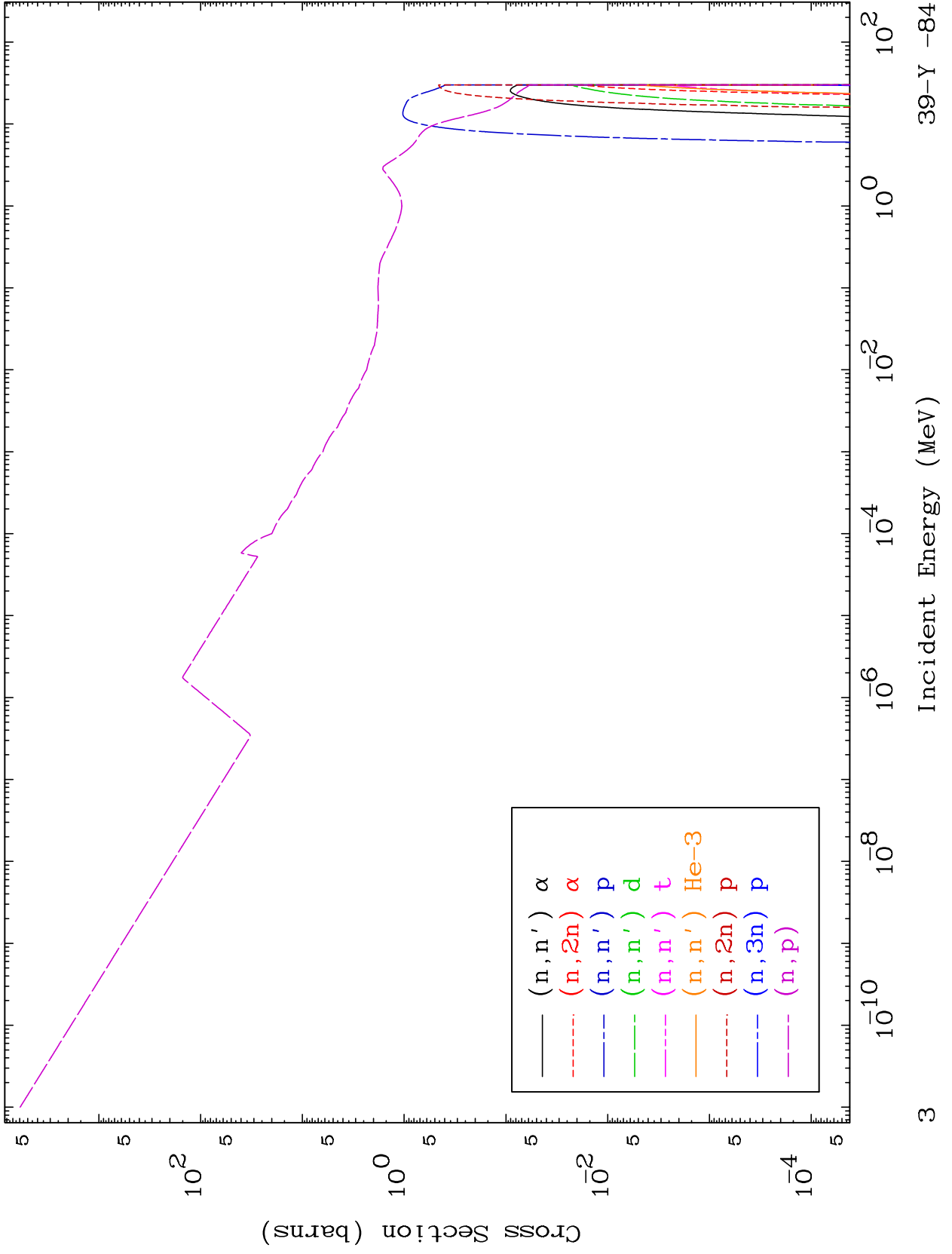




MAT 3910

Charged Particle  
293 Kelvin Cross Sections

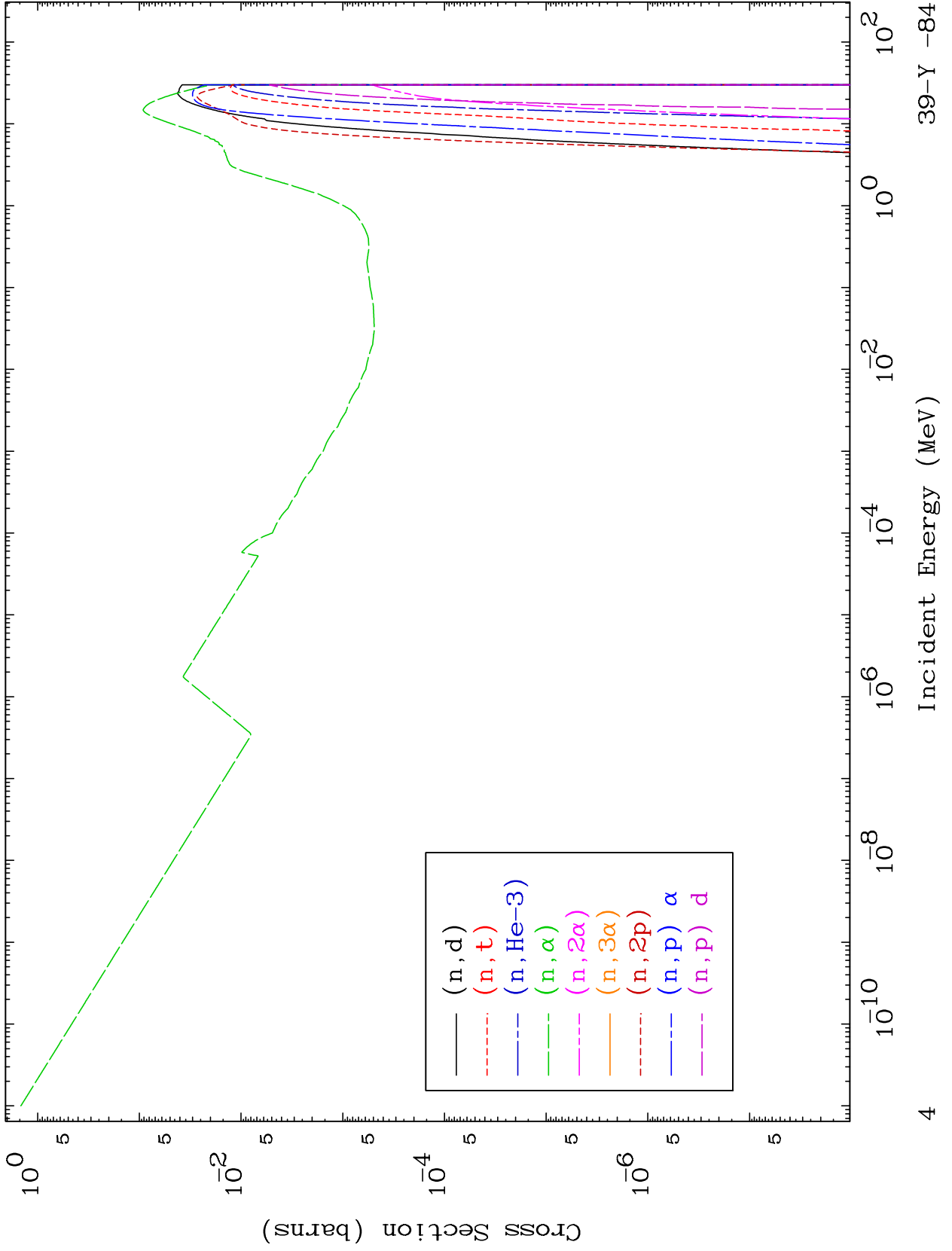
39-Y -84



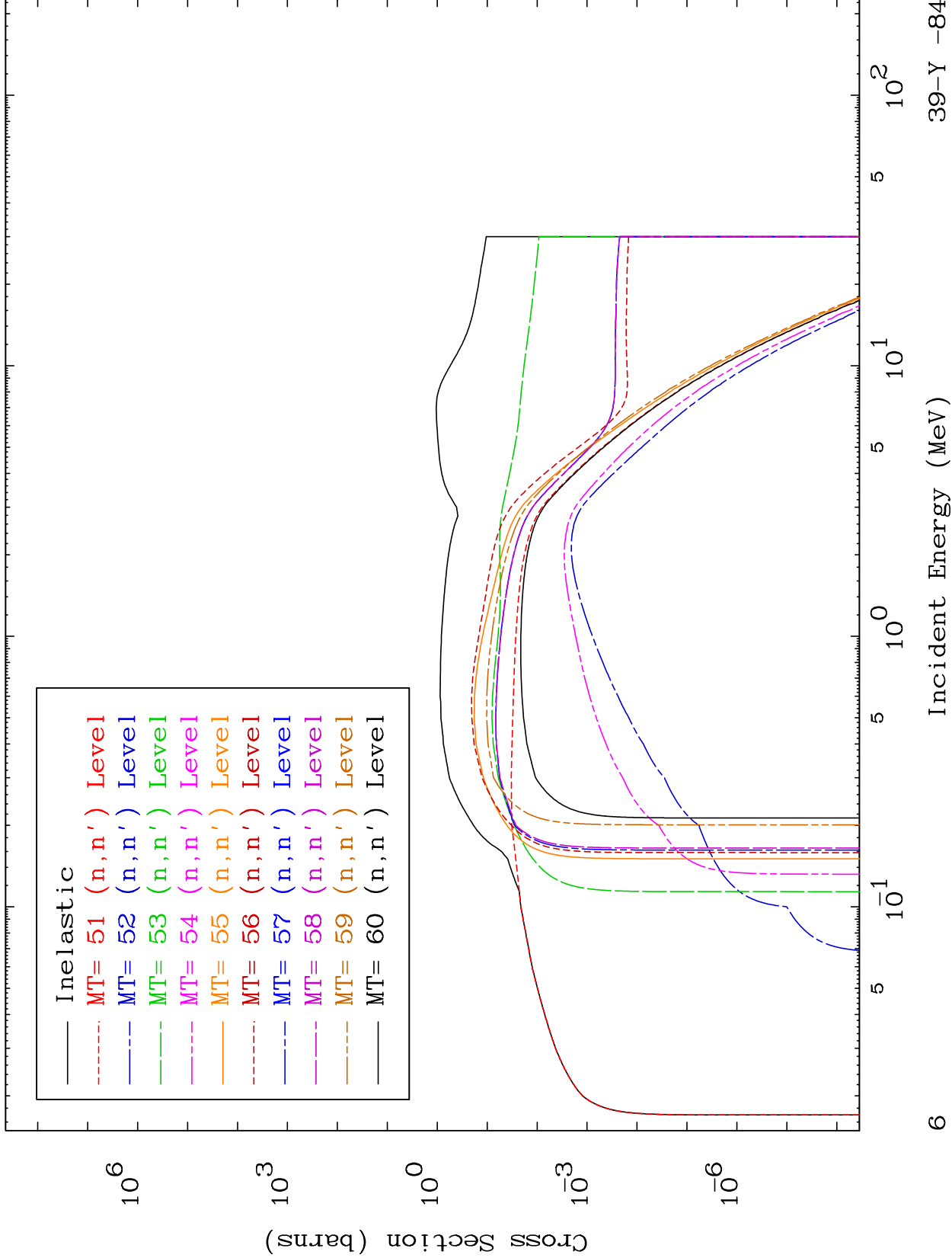
MAT 3910

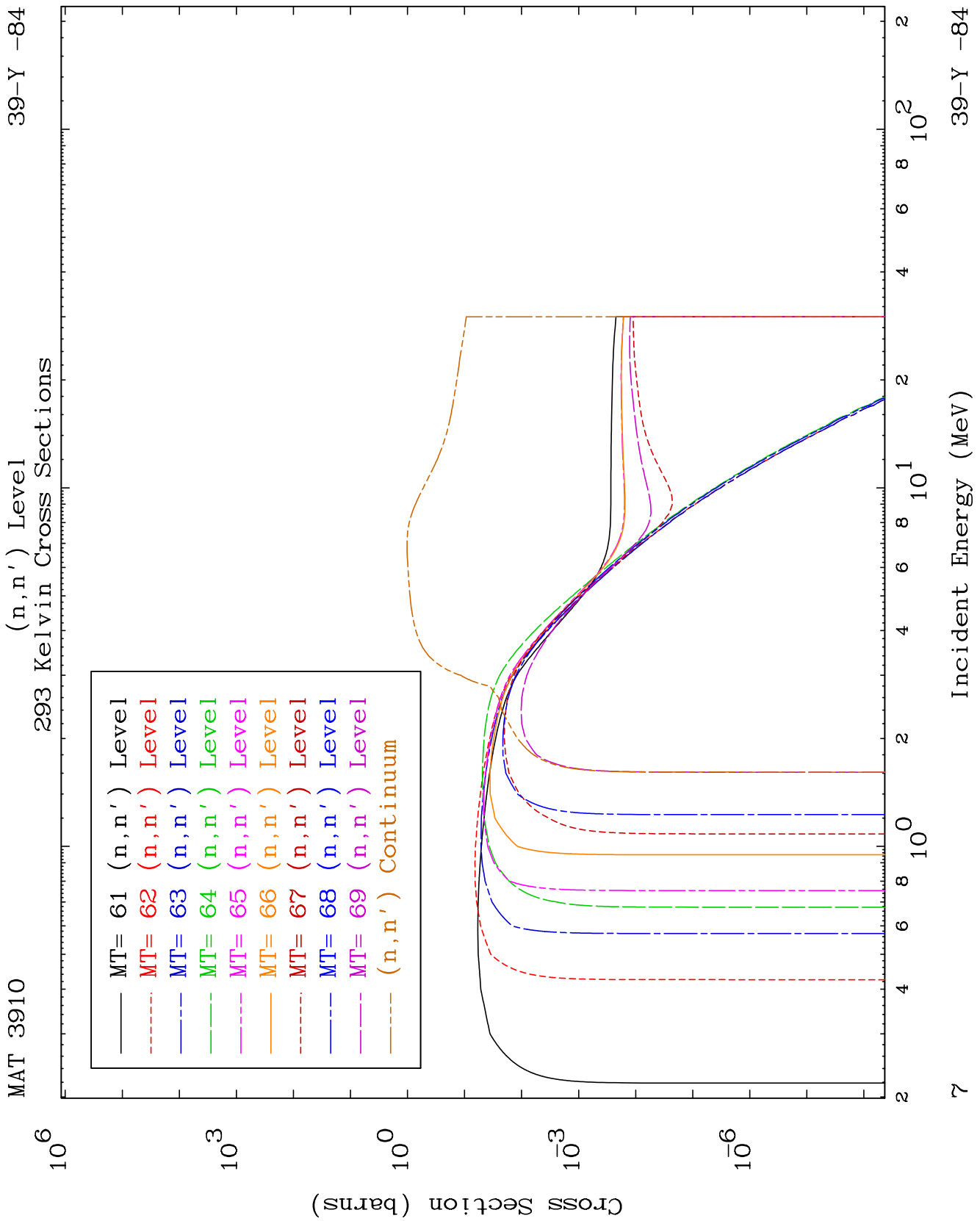
Charged Particle  
293 Kelvin Cross Sections

39-Y -84







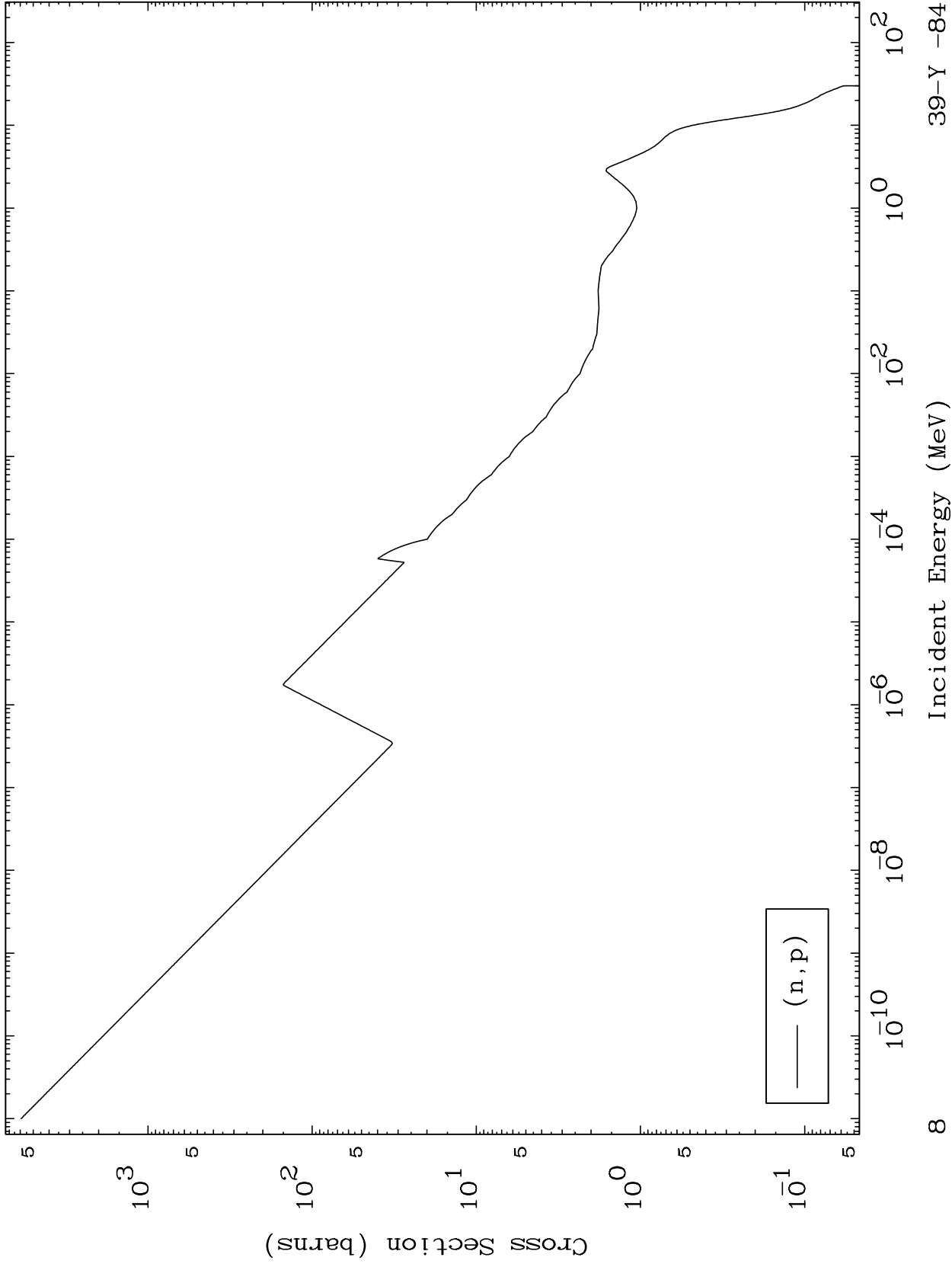




MAT 3910

(n,p) Levels  
293 Kelvin Cross Sections

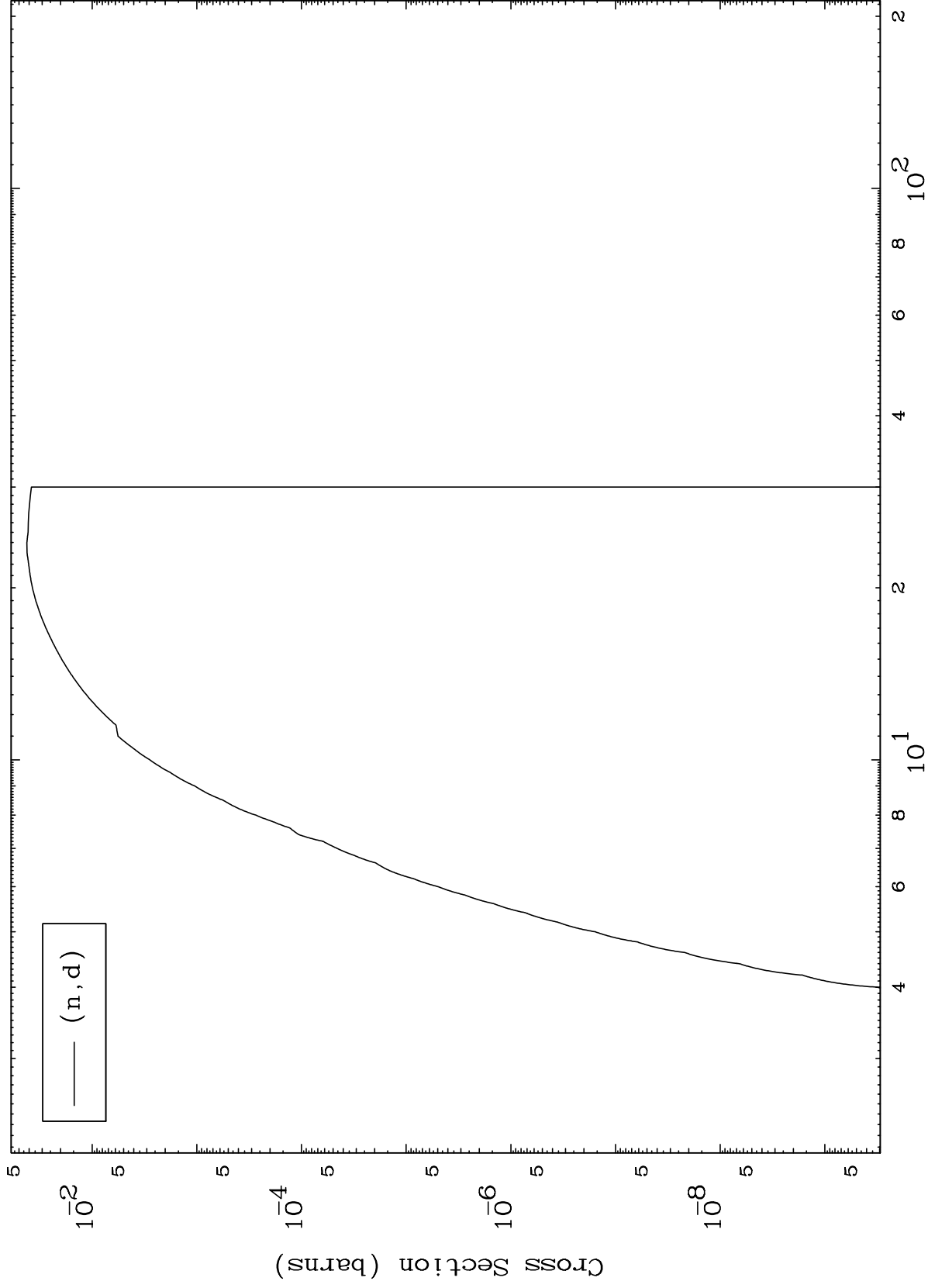
39-Y -84



MAT 3910

(n,d) Levels  
293 Kelvin Cross Sections

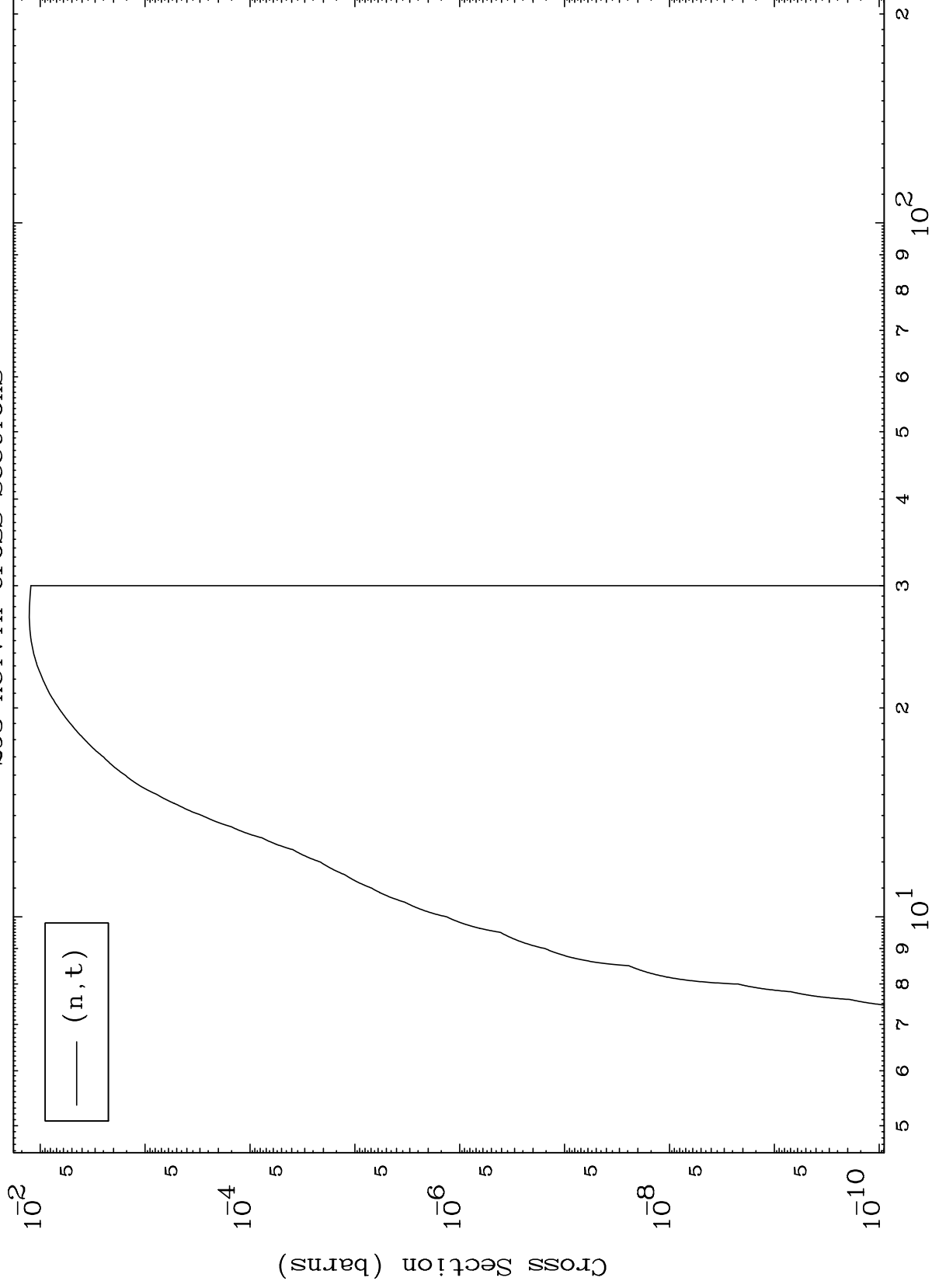
39-Y -84



MAT 3910

(n,t) Levels  
293 Kelvin Cross Sections

39-Y -84



10

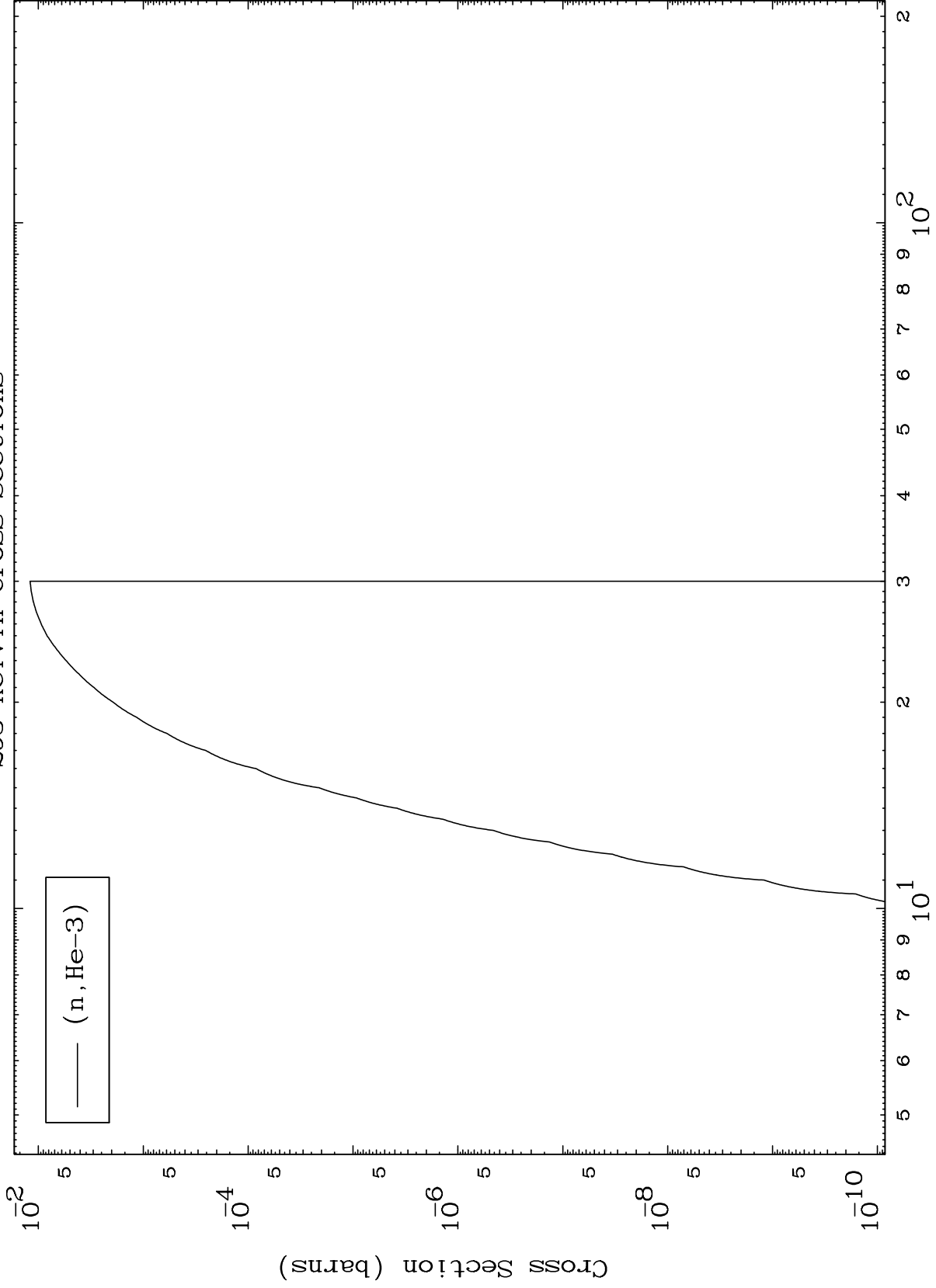
Incident Energy (MeV)

39-Y -84

MAT 3910

(n,He3) Levels  
293 Kelvin Cross Sections

39-Y -84



11

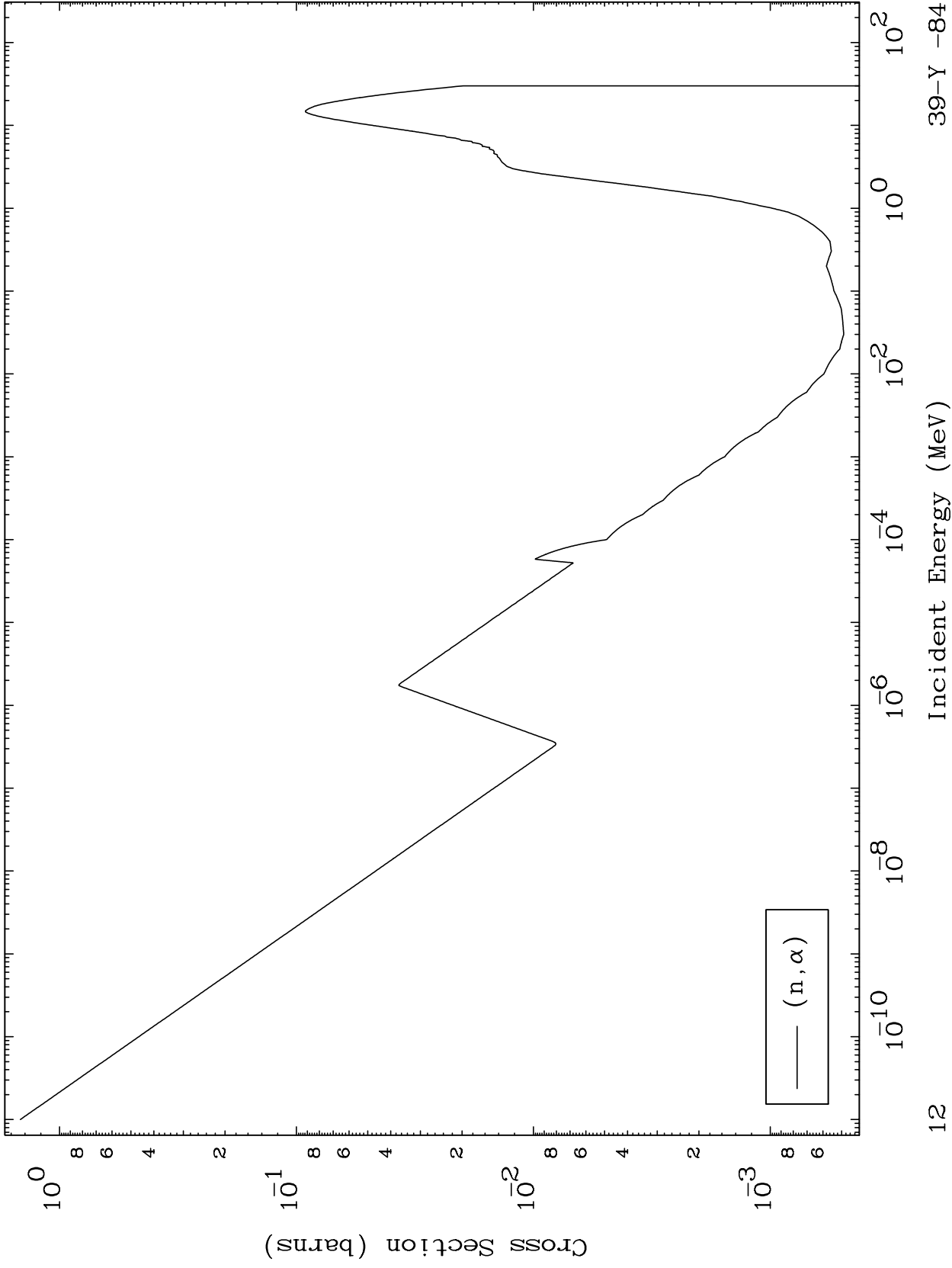
Incident Energy (MeV)

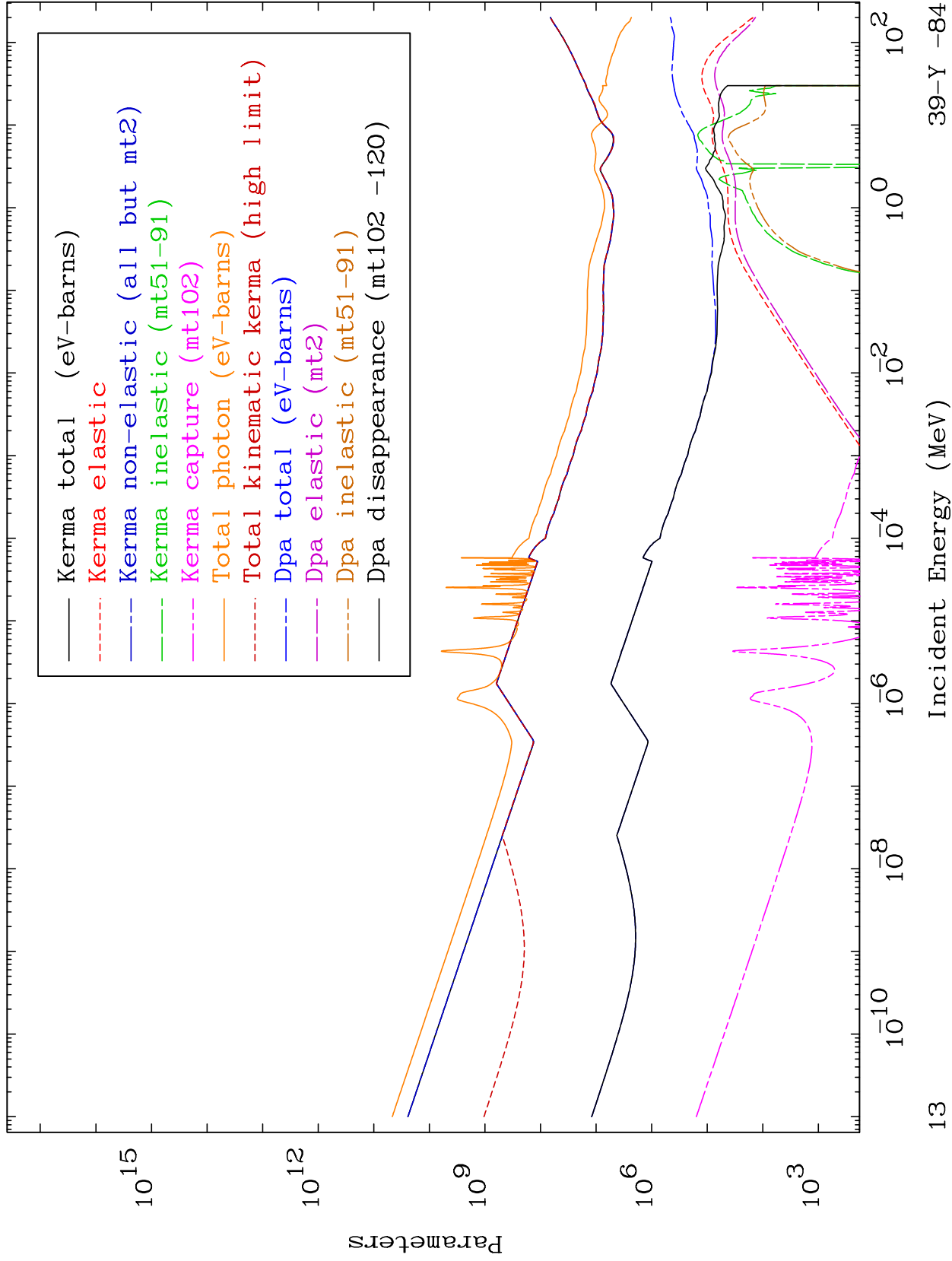
39-Y -84

MAT 3910

(n,α) Levels  
293 Kelvin Cross Sections

39-Y -84

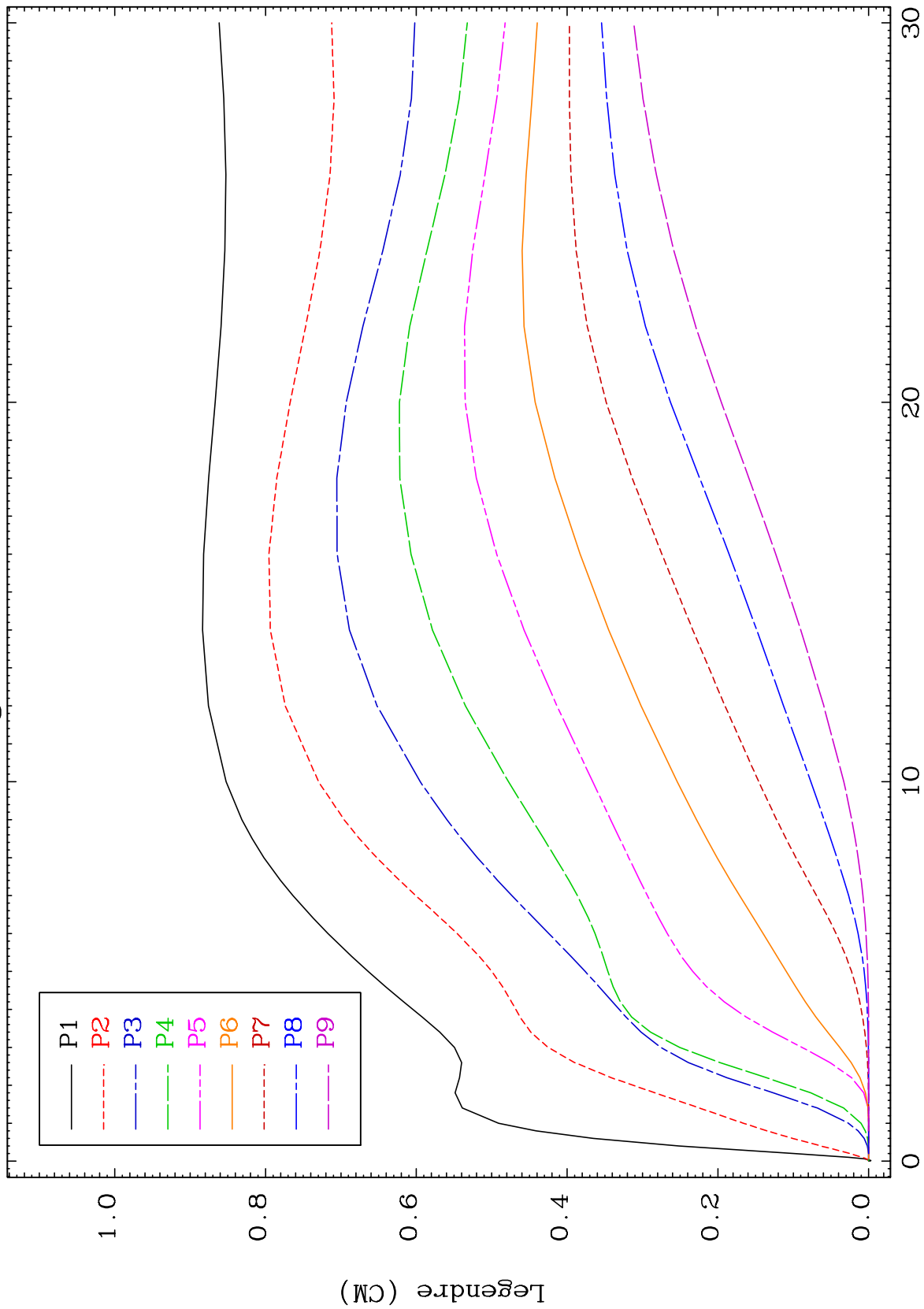




MAT 3910

Elastic Legendre Coefficients

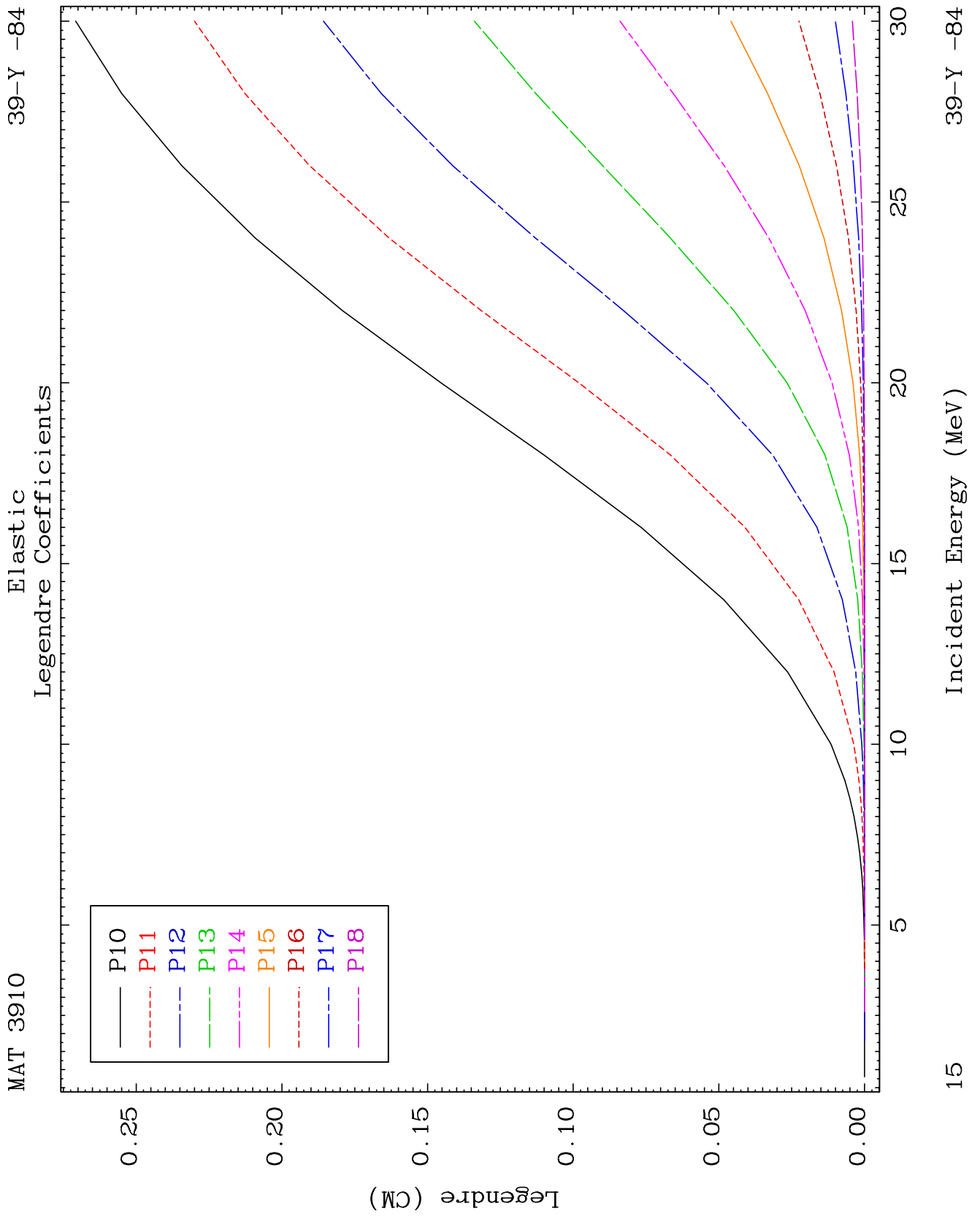
39-Y -84



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Incident Energy (MeV)

39-Y -84

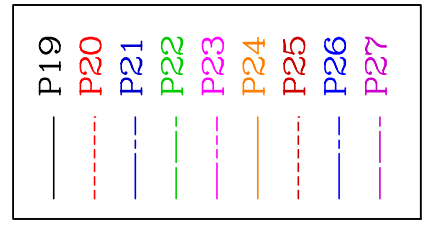




MAT 3910

Elastic Legendre Coefficients

39-Y -84



$\times 10^{-3}$   
1.5  
1.0

Legendre (CM)

0.5

0.0

10

15

20

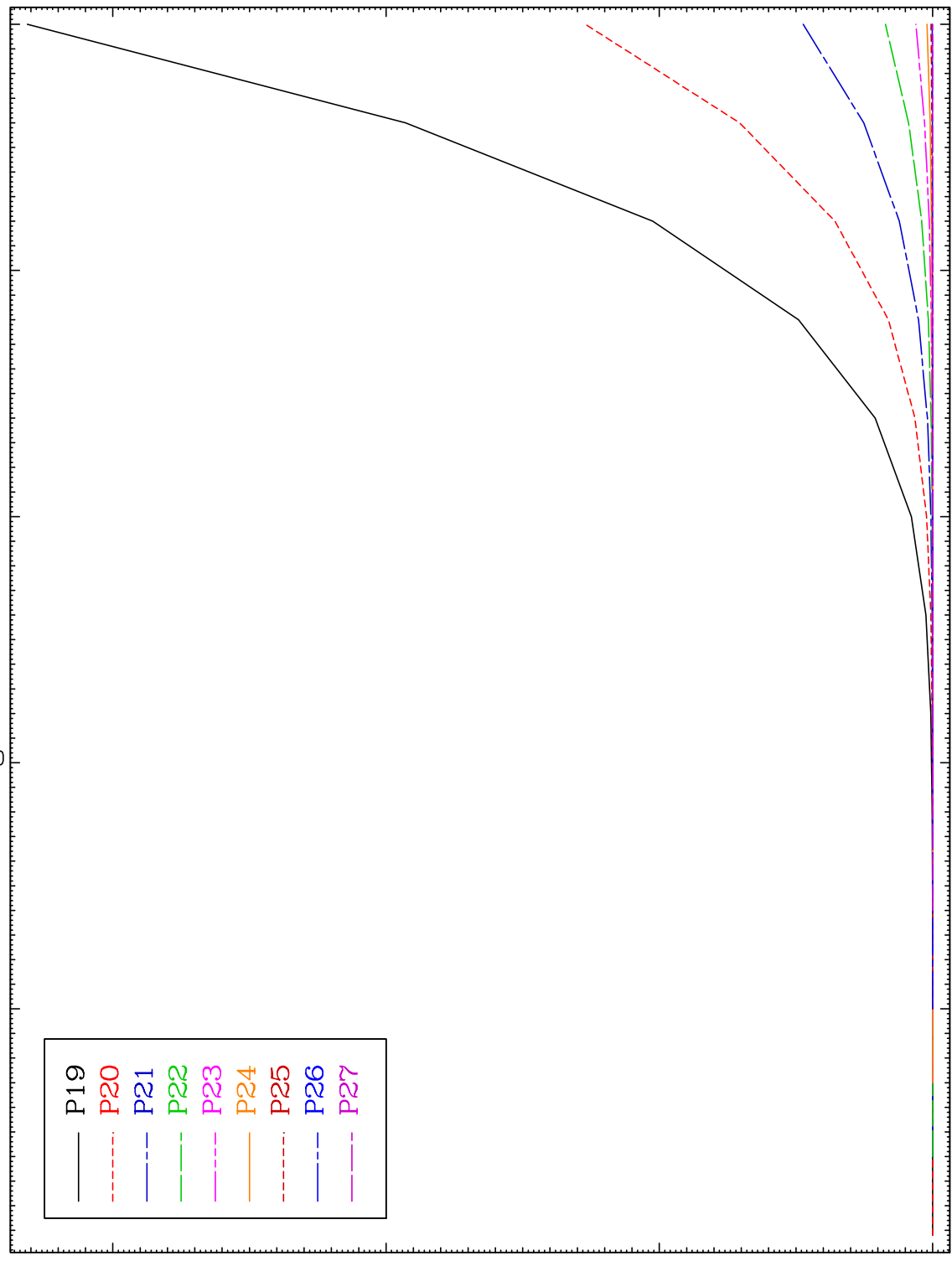
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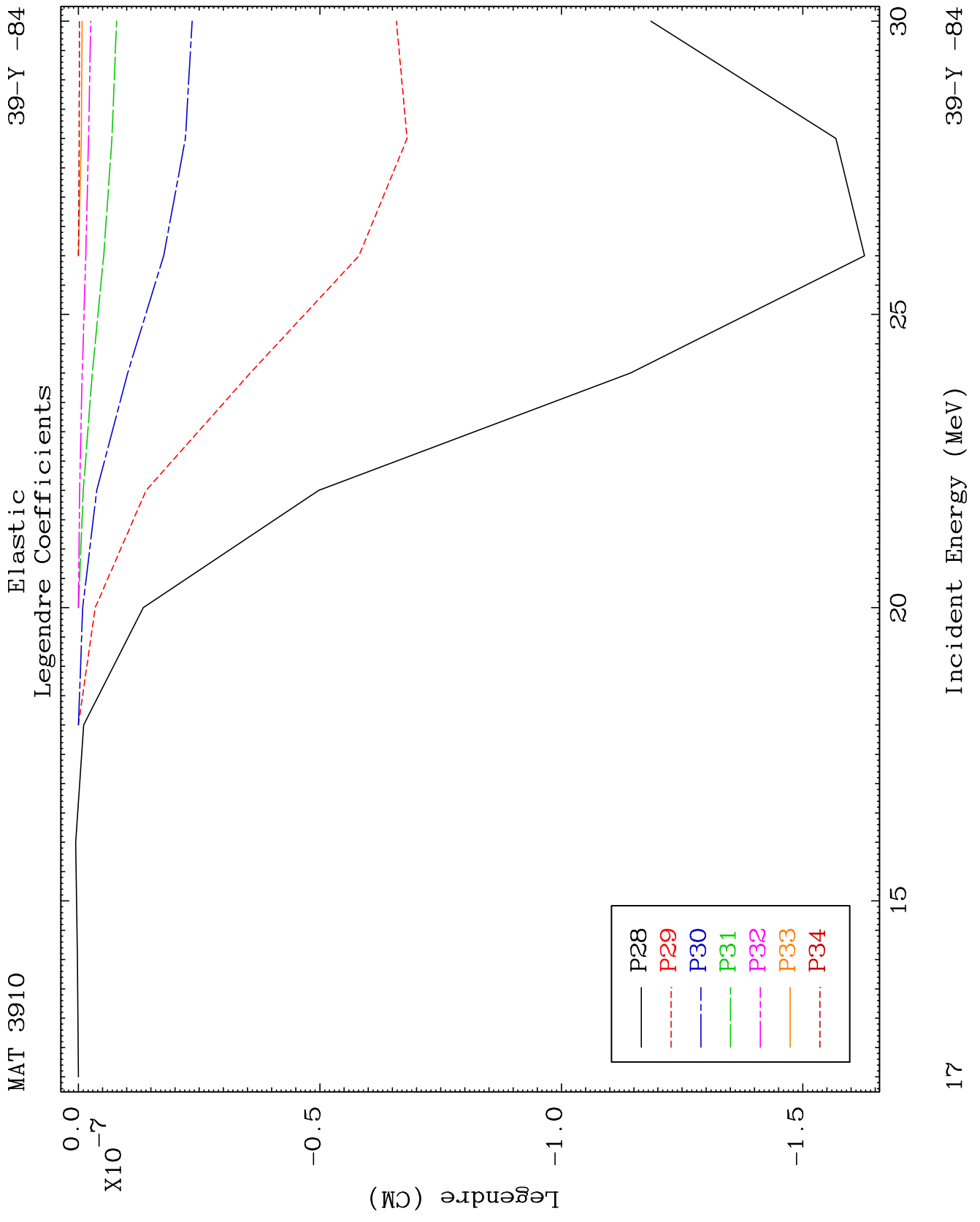
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16

Incident Energy (MeV)

39-Y -84



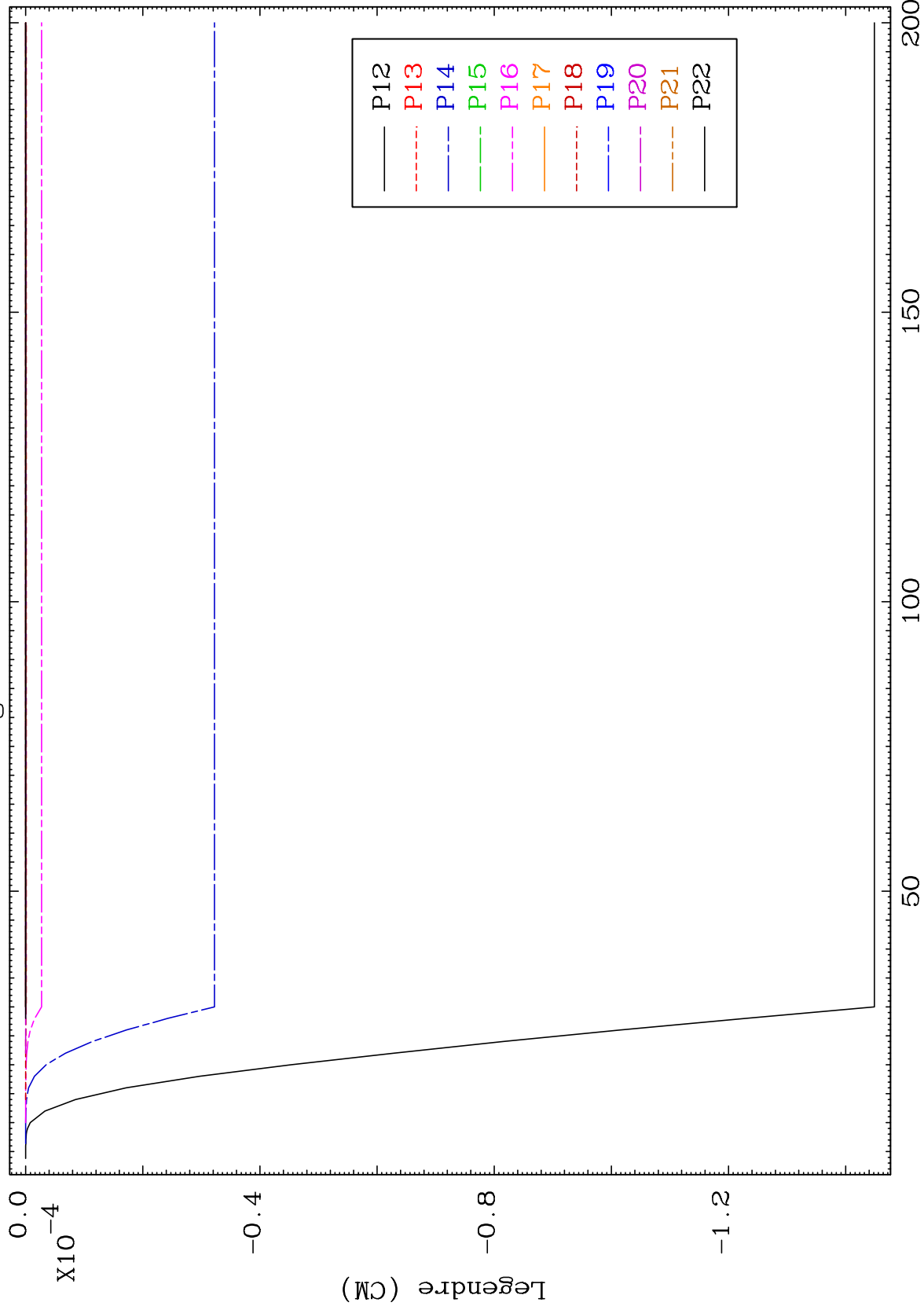




MAT 3910

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

39-Y -84



39-Y -84

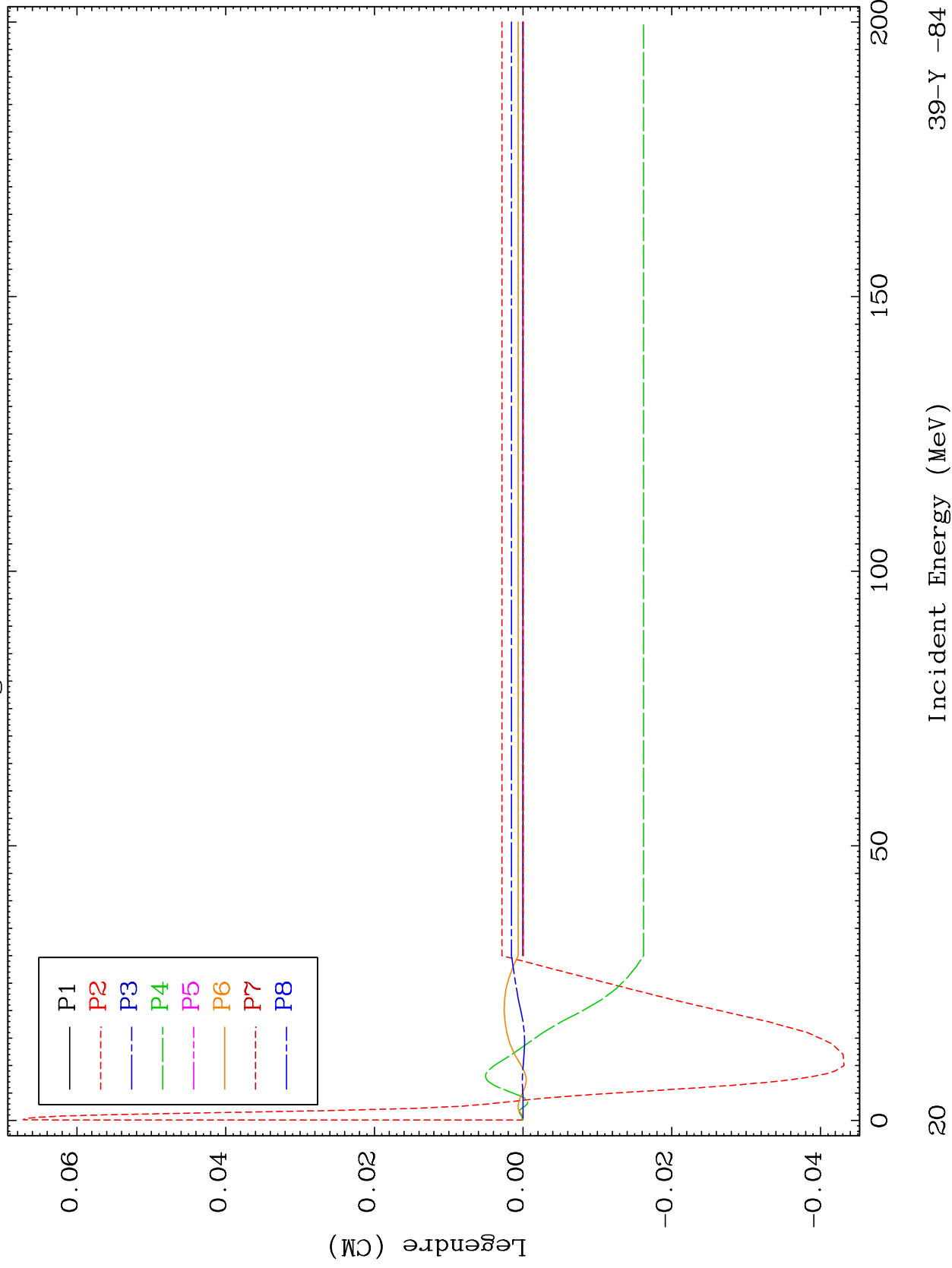
Incident Energy (MeV)

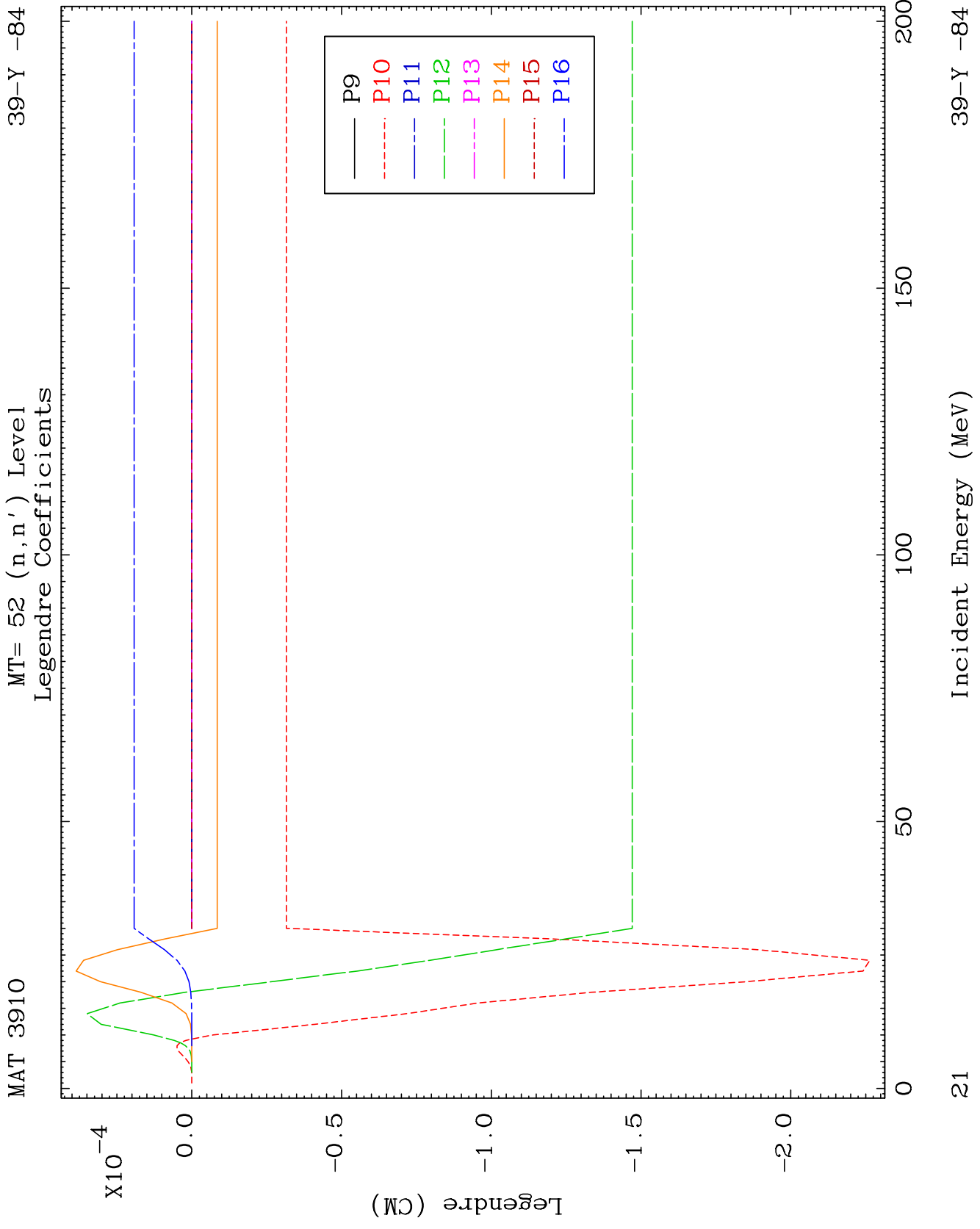
19

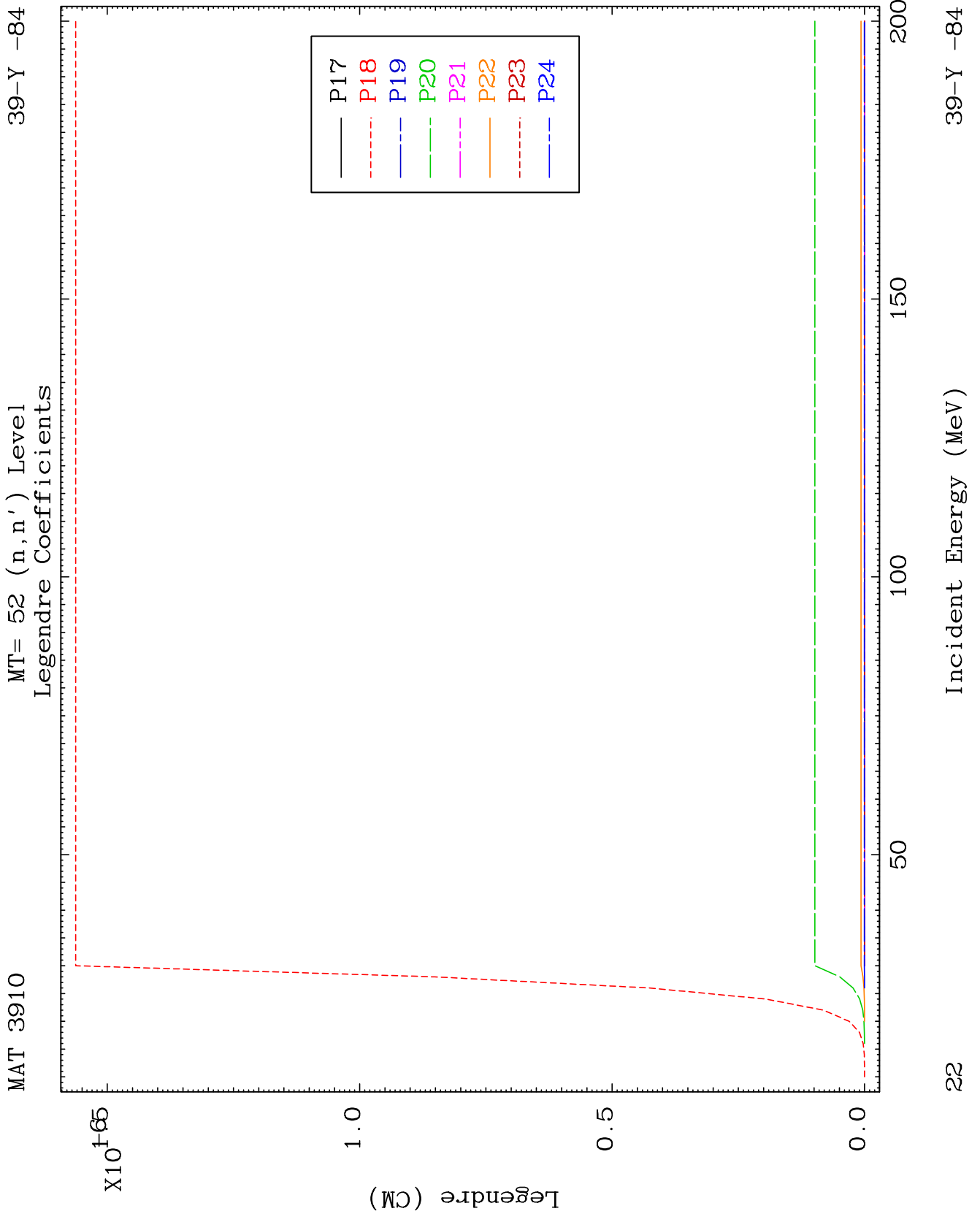
MAT 3910

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

39-Y -84



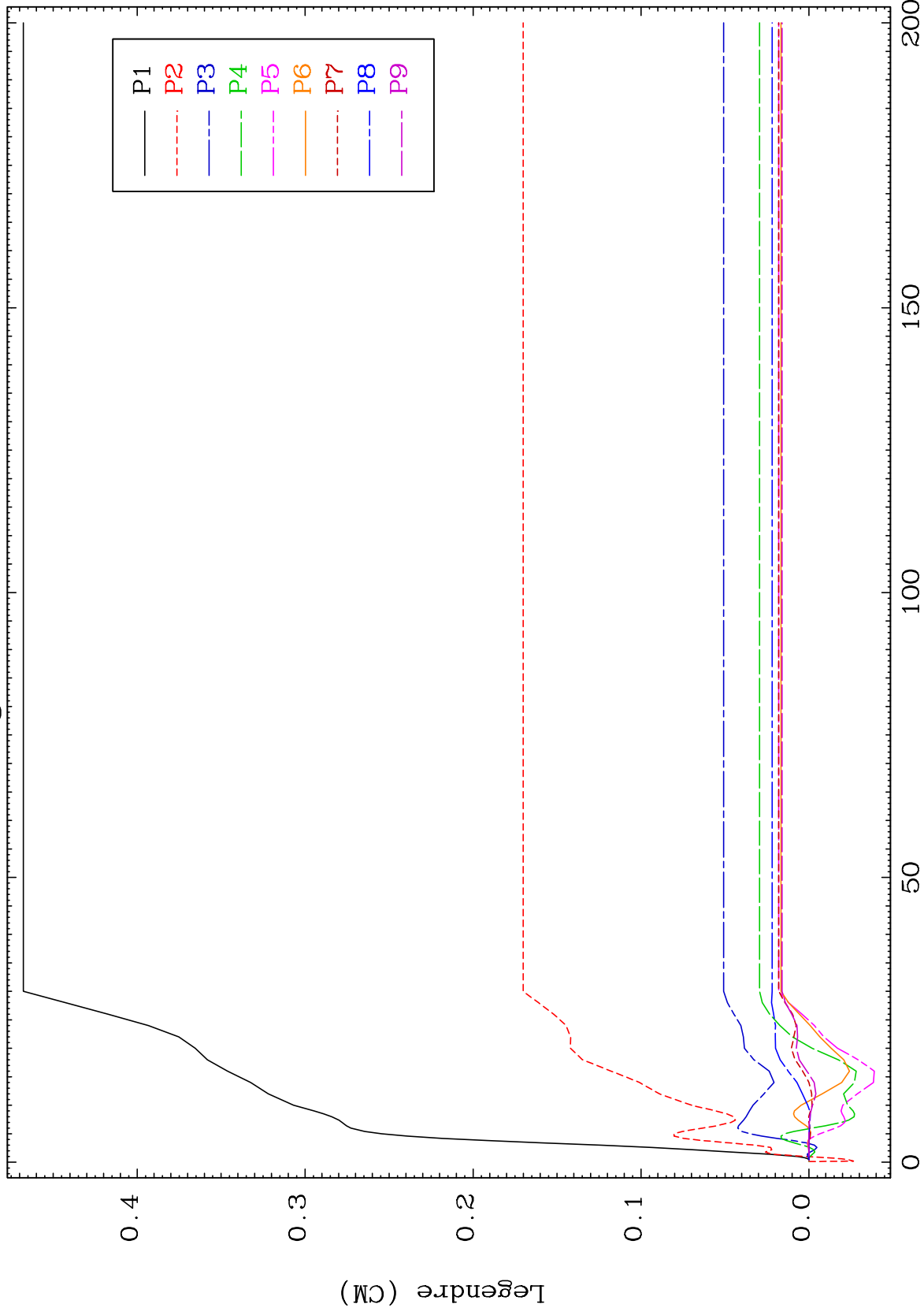




MAT 3910

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

39-Y -84



23

Incident Energy (MeV)

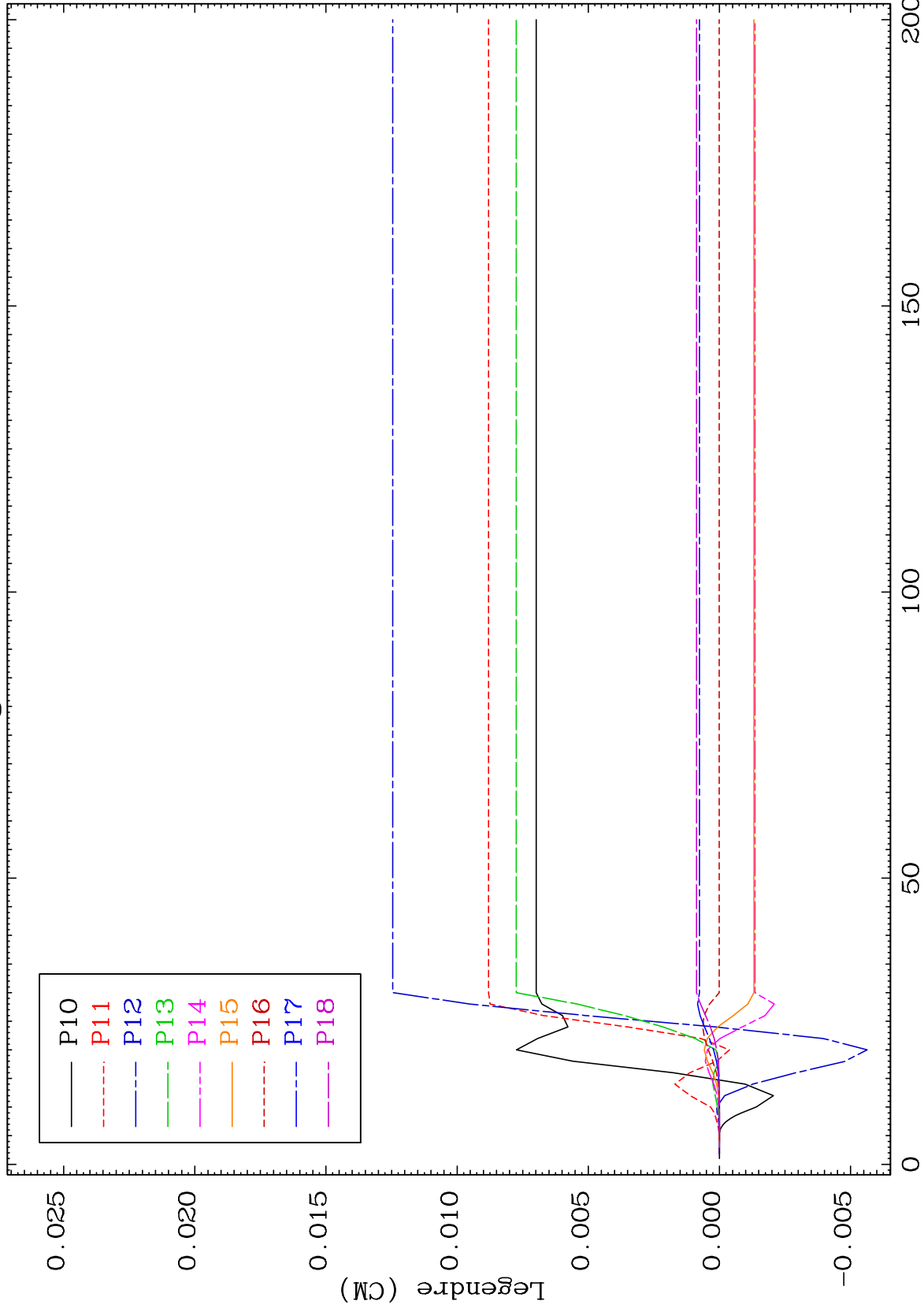
39-Y -84



MAT 3910

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

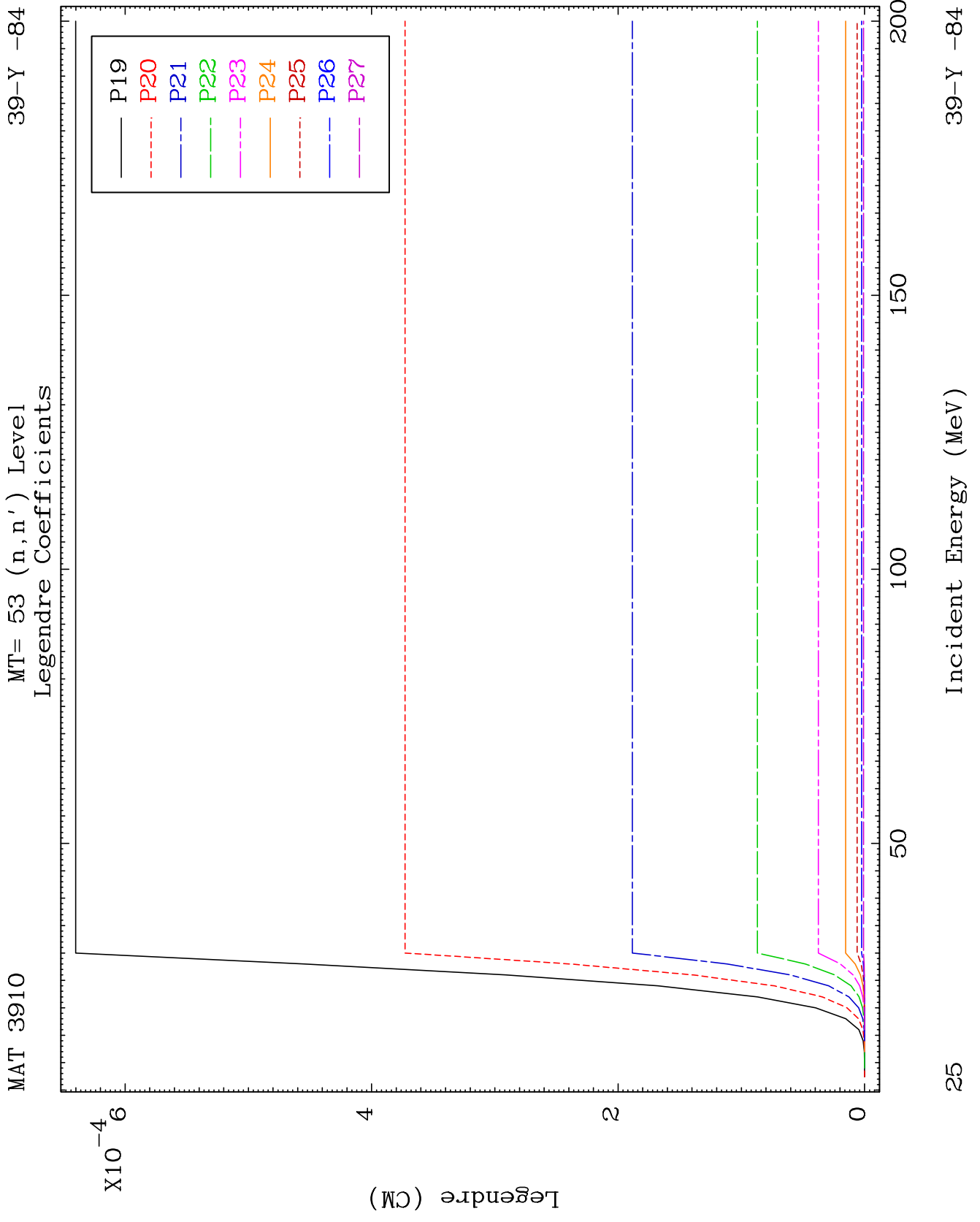
39-Y -84



24

Incident Energy (MeV)

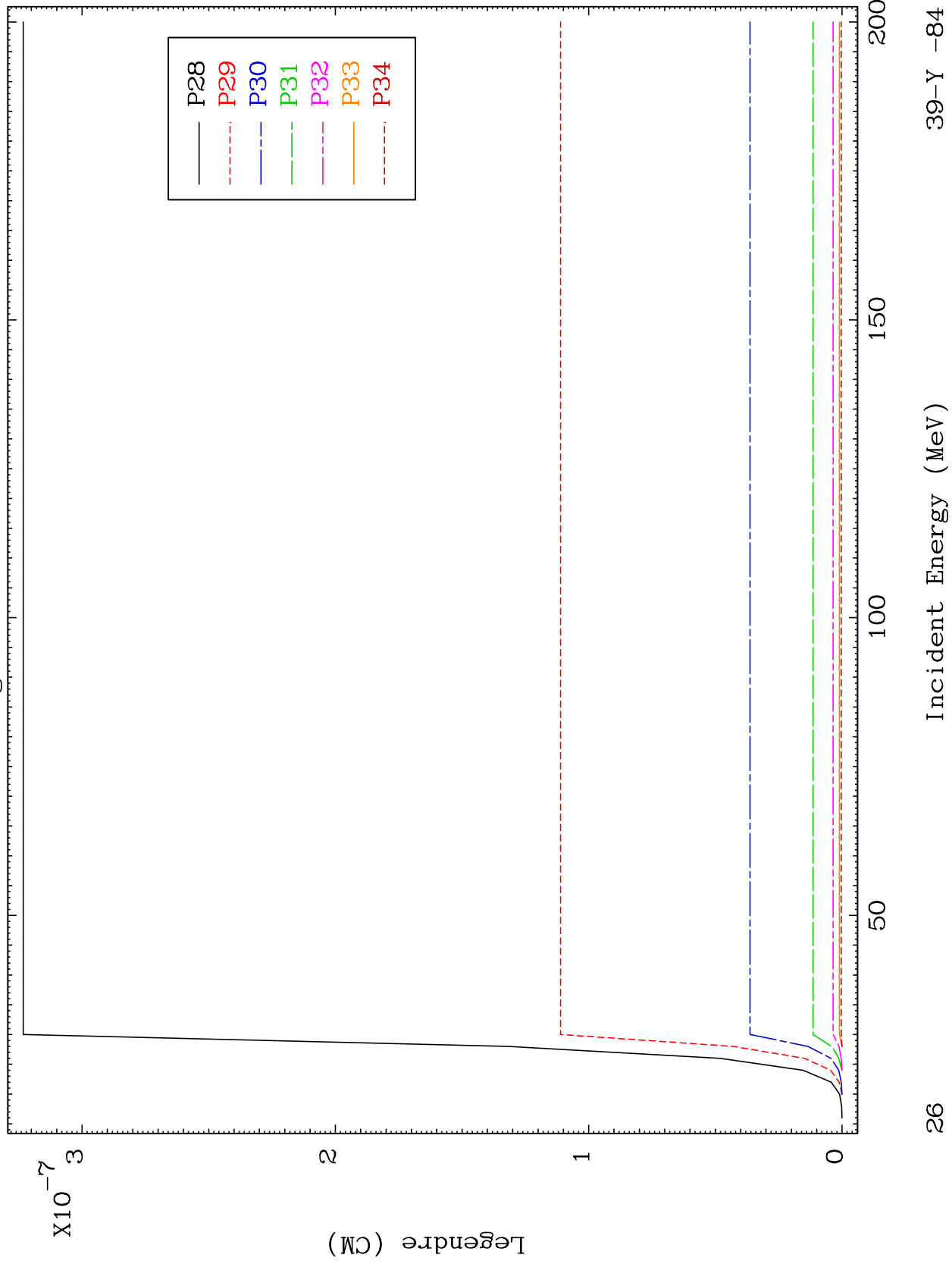
39-Y -84



MAT 3910

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

39-Y -84



26

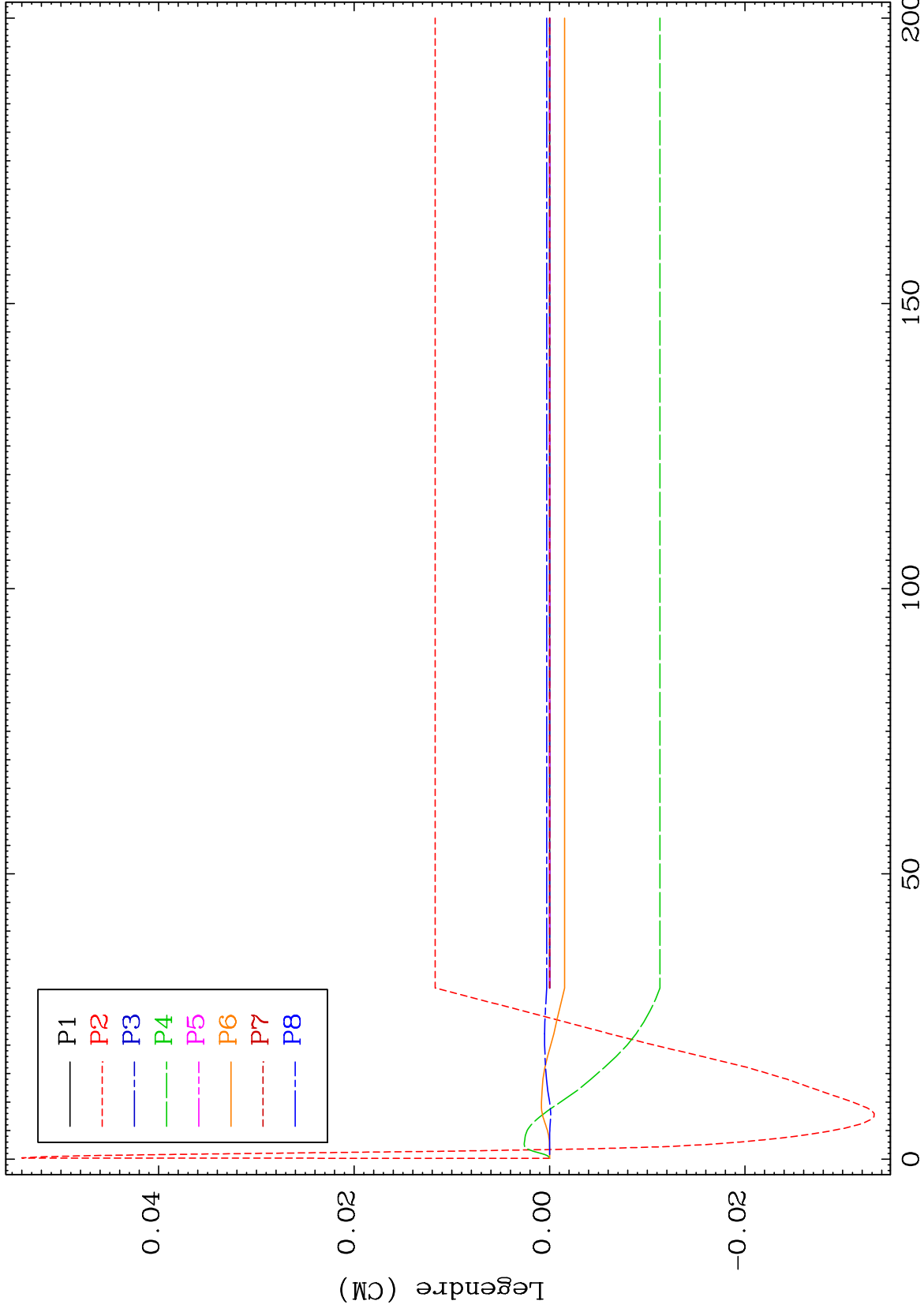
Incident Energy (MeV)

39-Y -84

MAT 3910

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

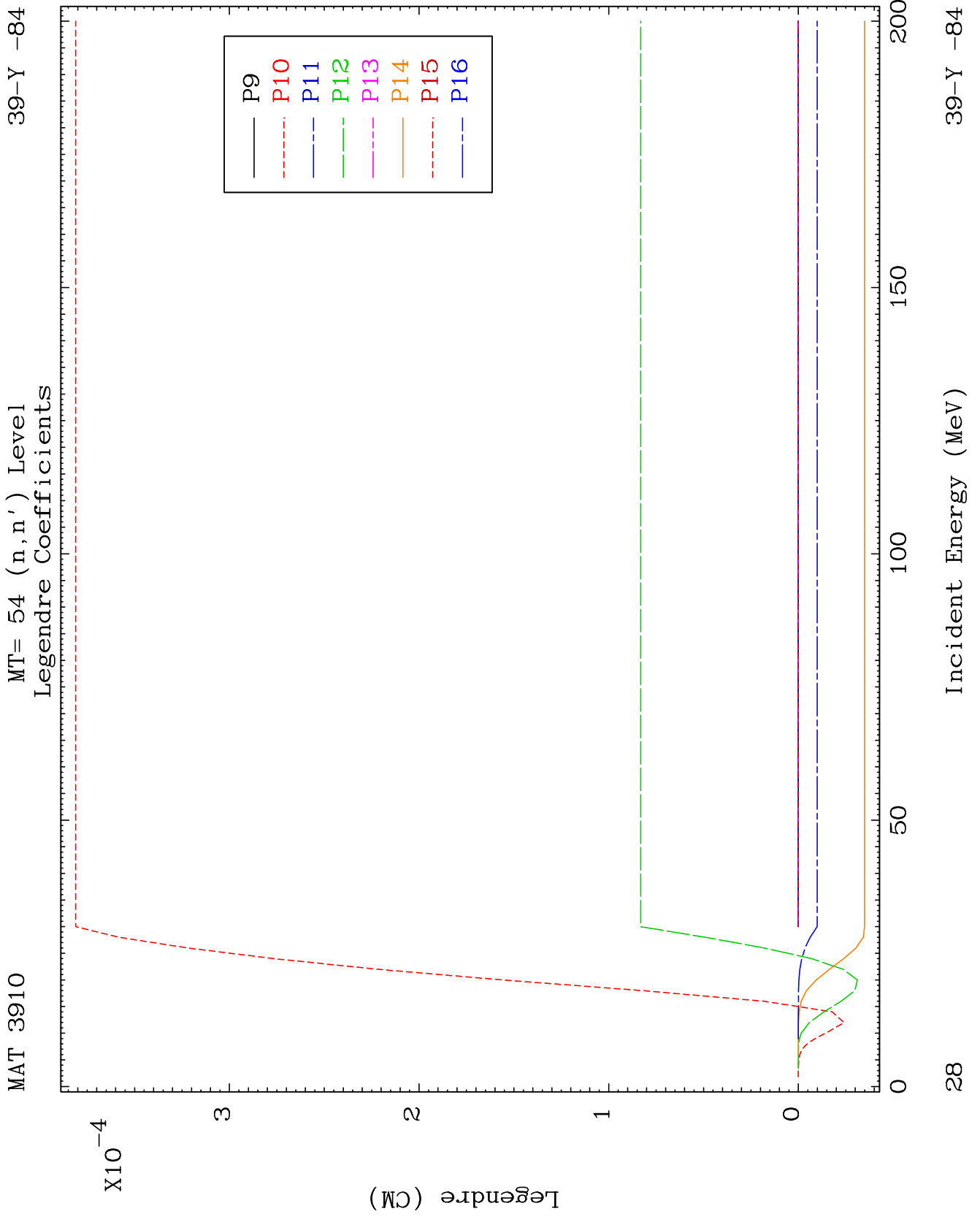
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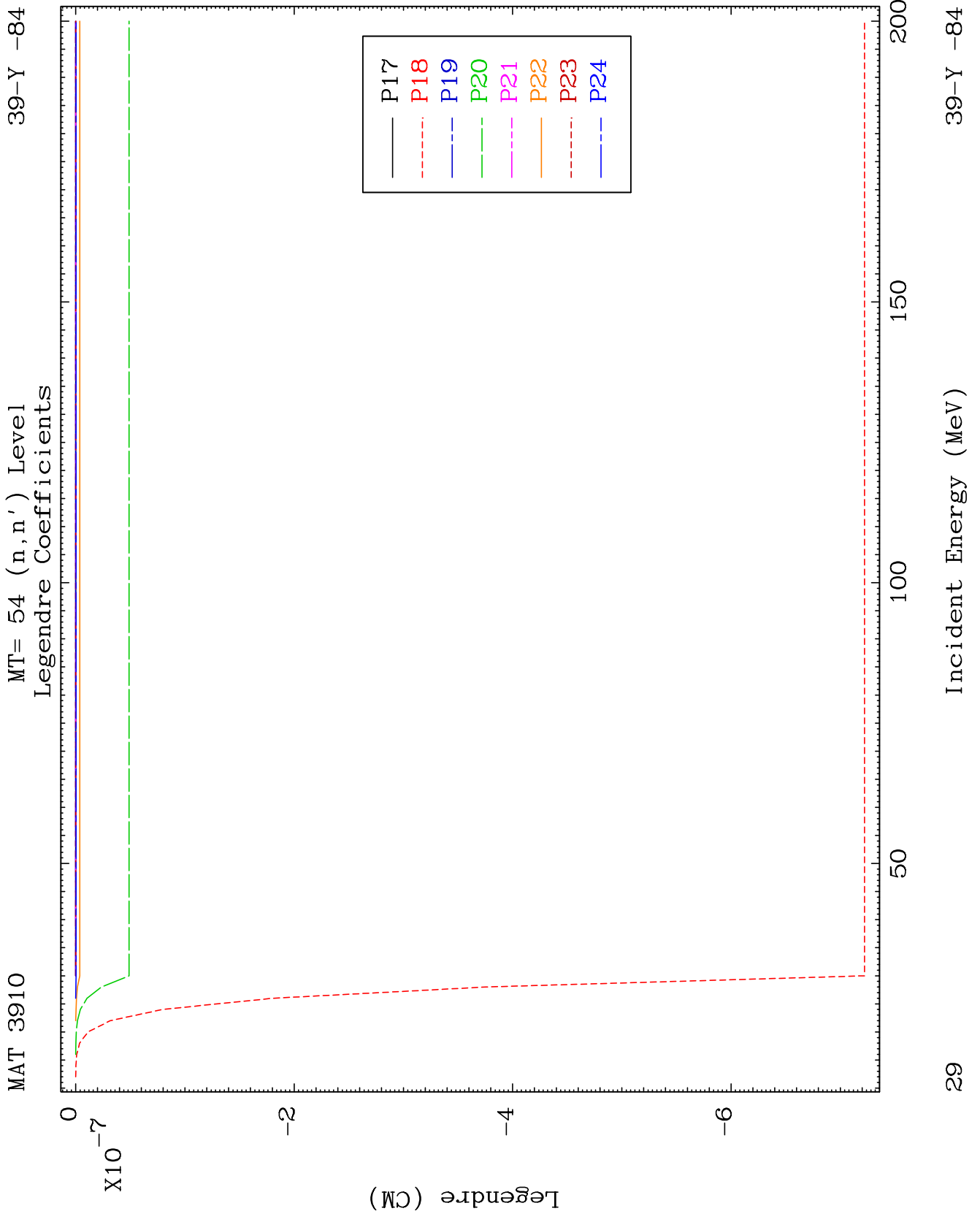


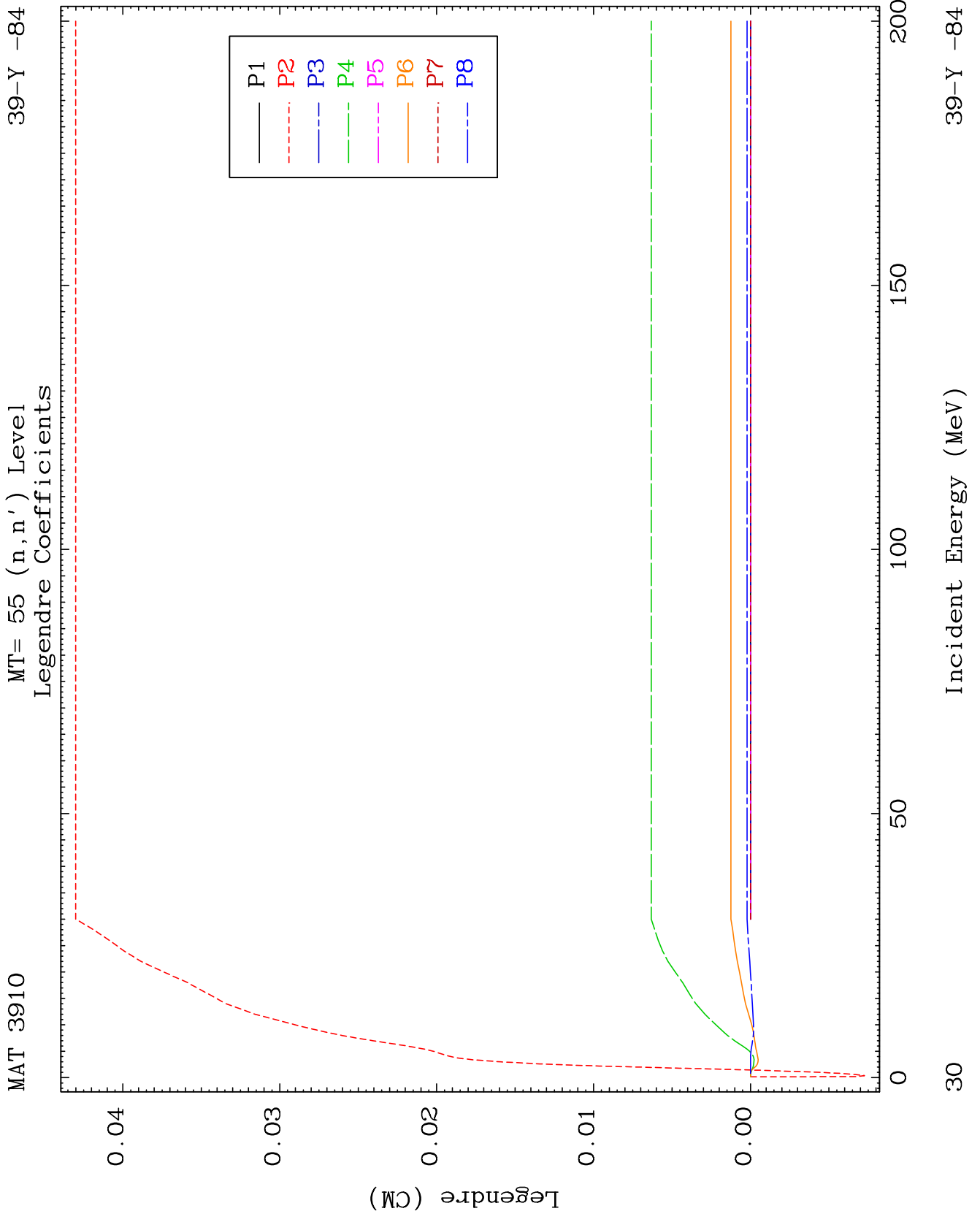
27

Incident Energy (MeV)

39-Y -84



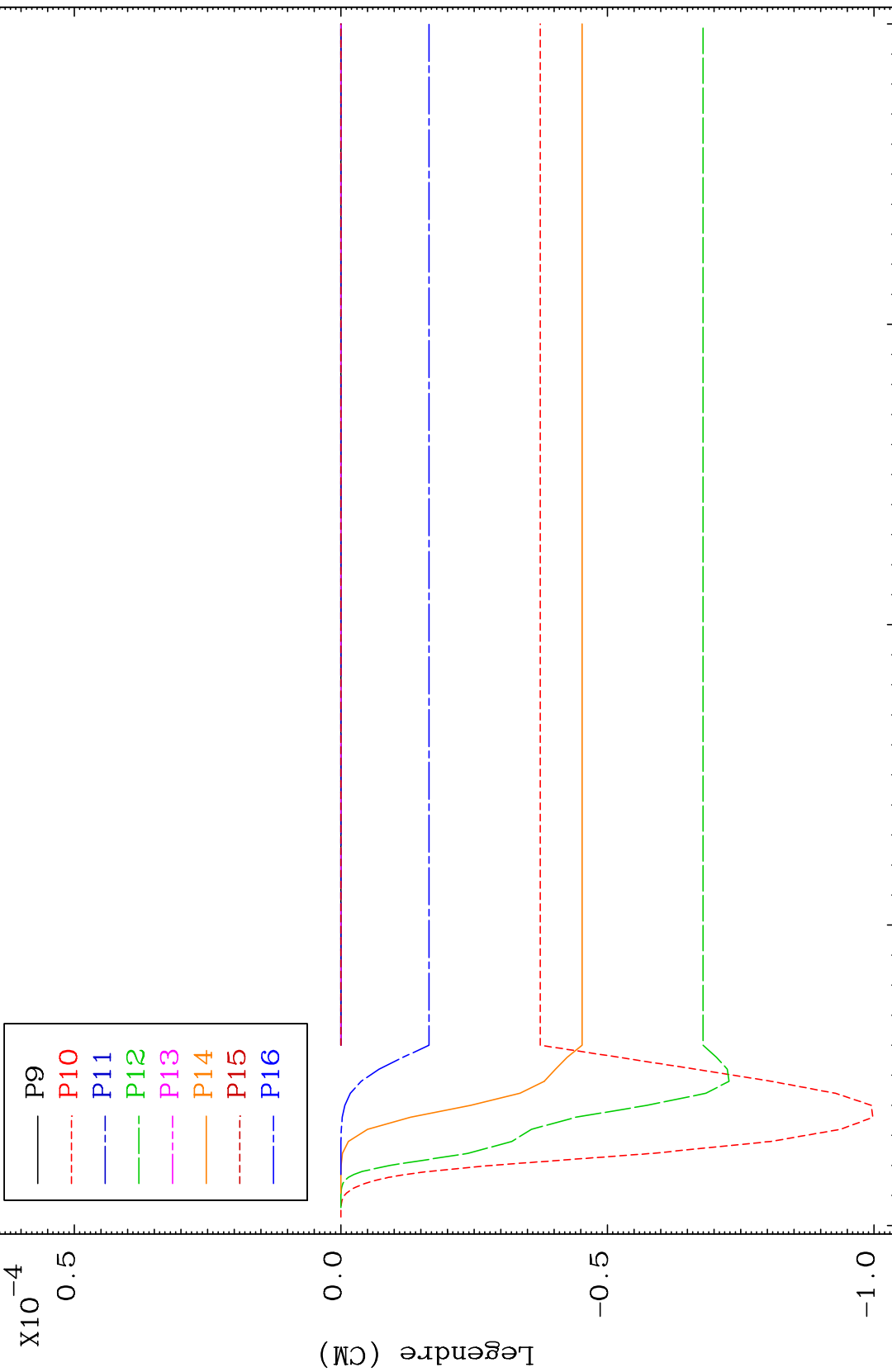
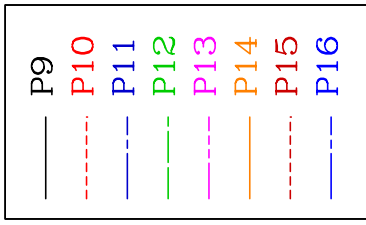




MAT 3910

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

39-Y -84



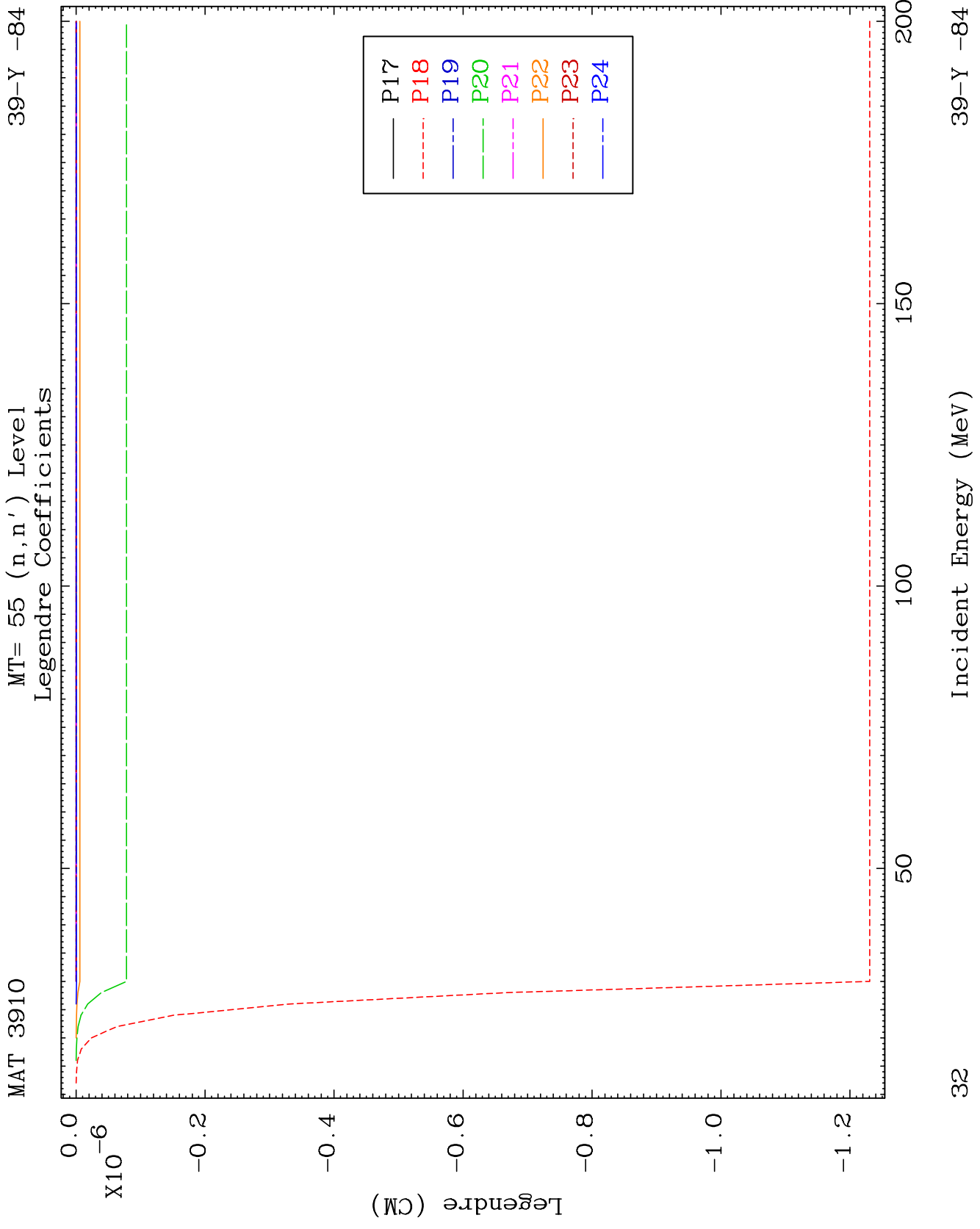
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31

Incident Energy (MeV)

39-Y -84

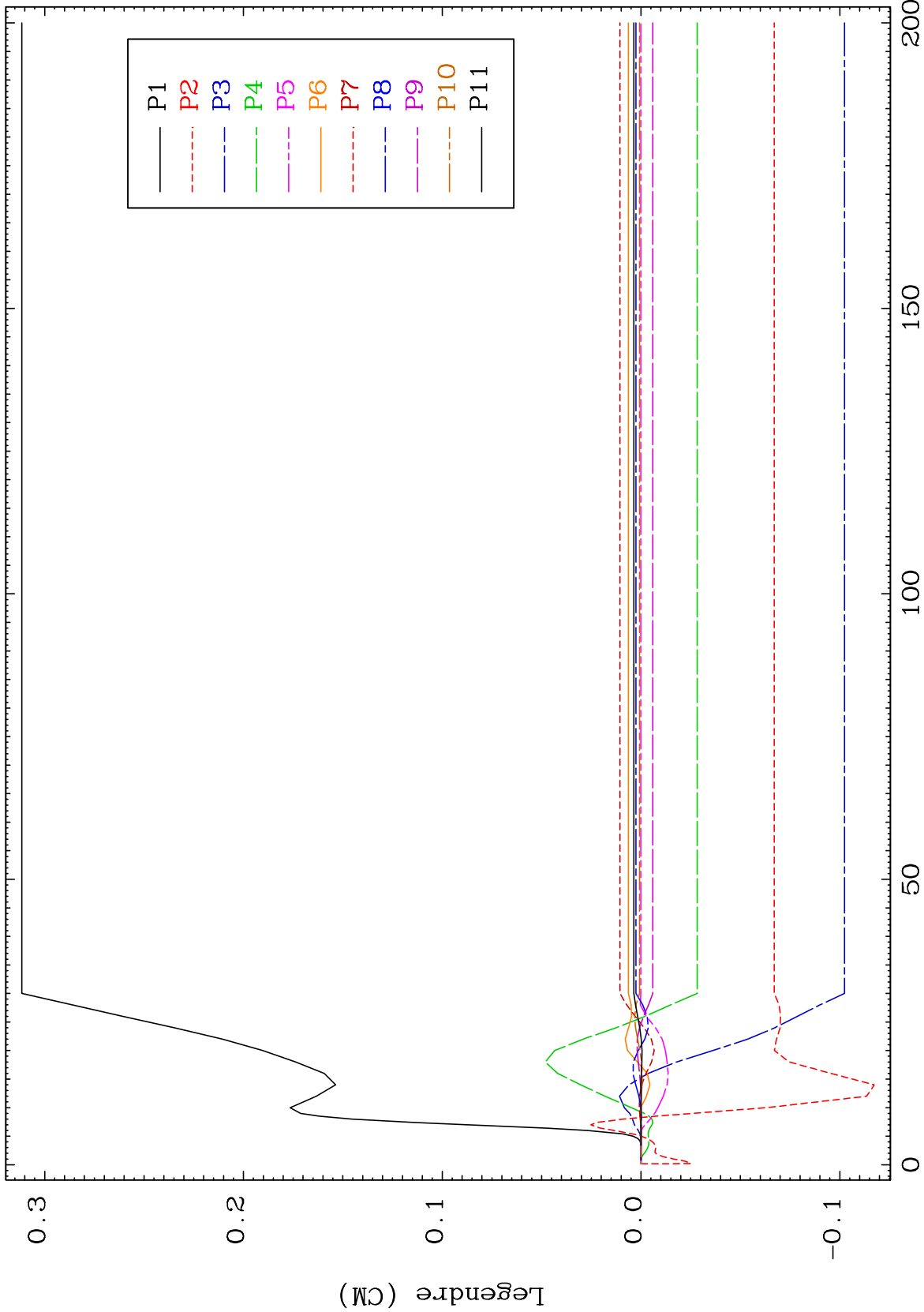




MAT 3910

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

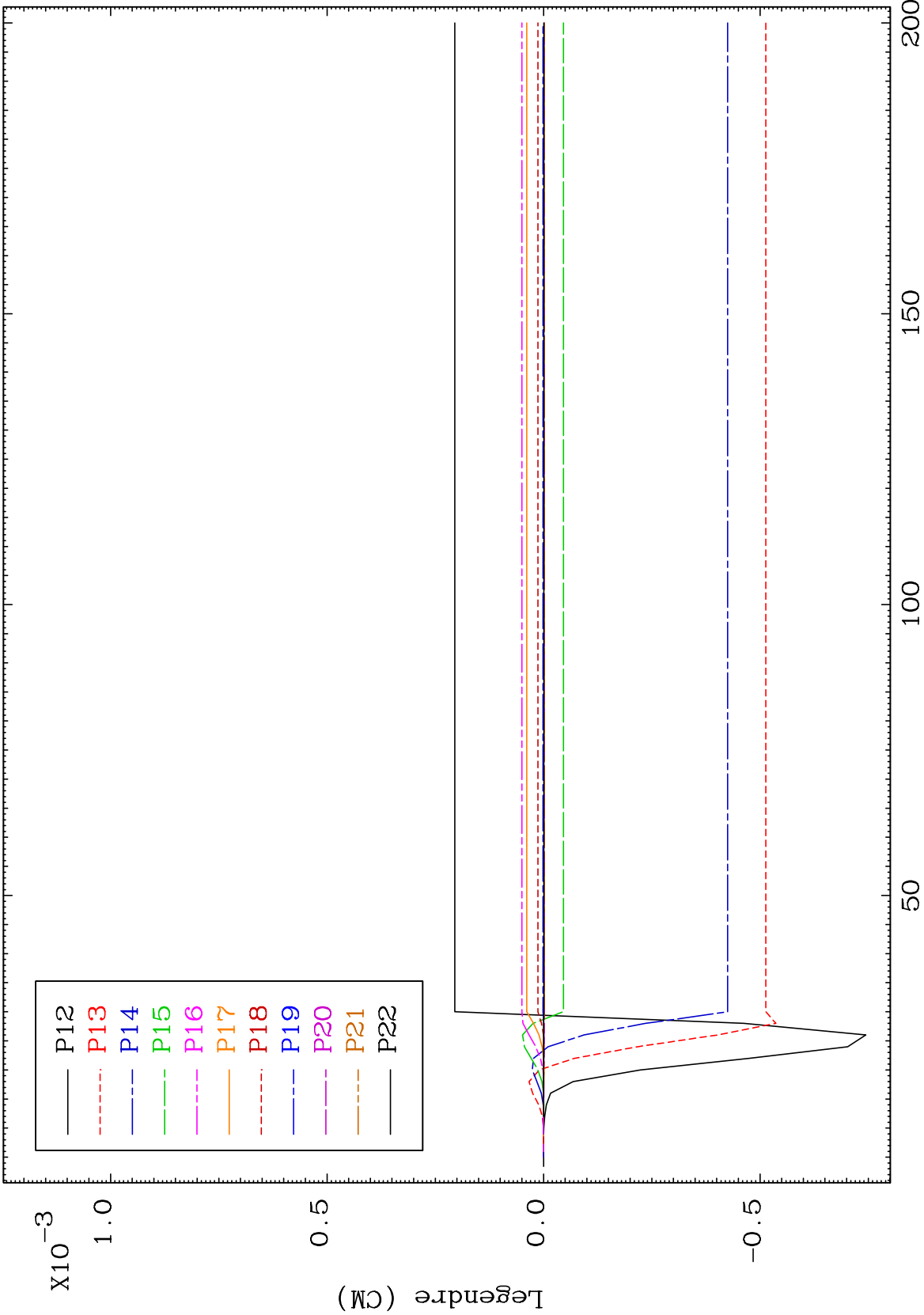
39-Y -84



33

Incident Energy (MeV)

39-Y -84

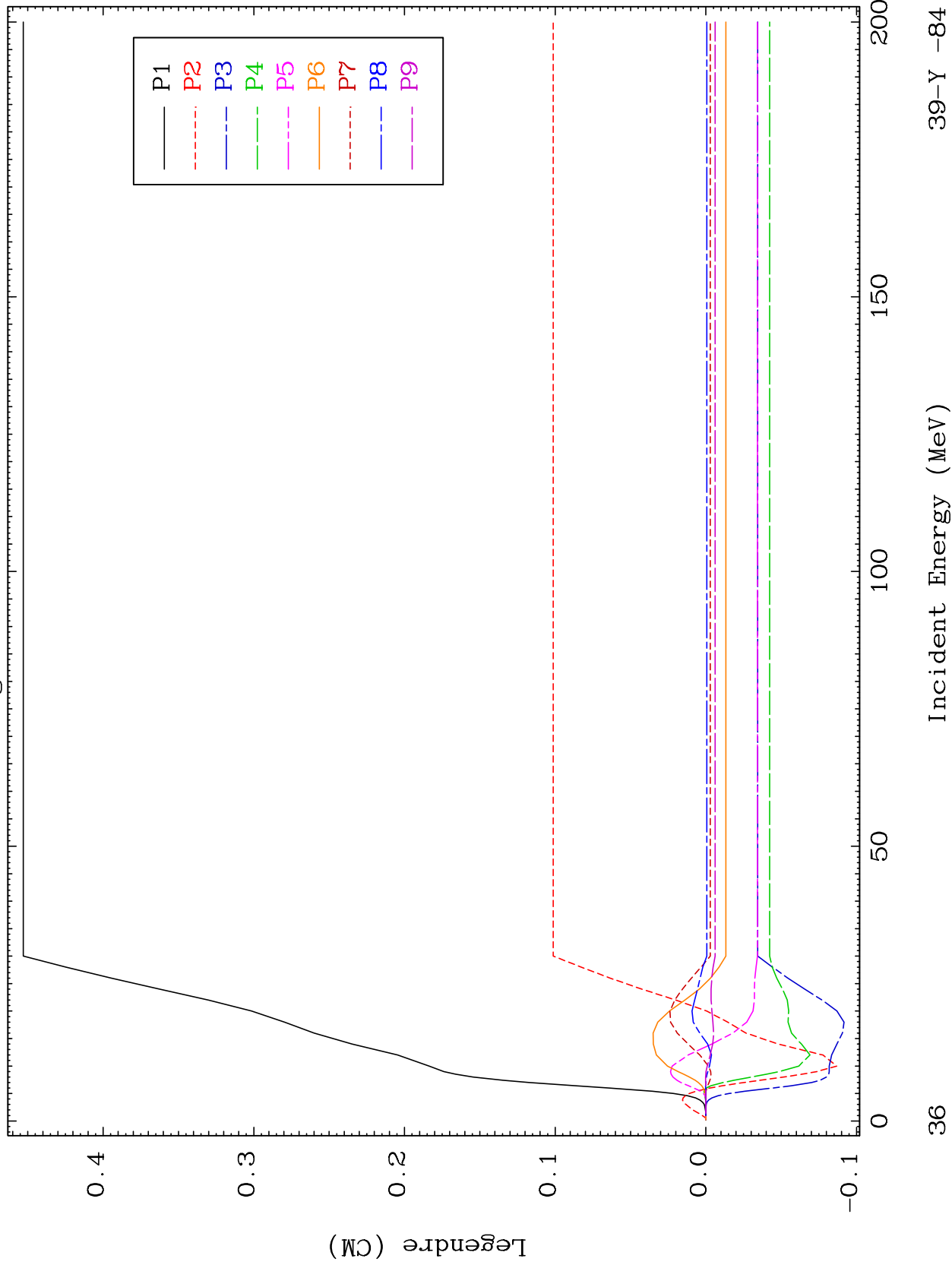




MAT 3910

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

39-Y -84



36

Incident Energy (MeV)

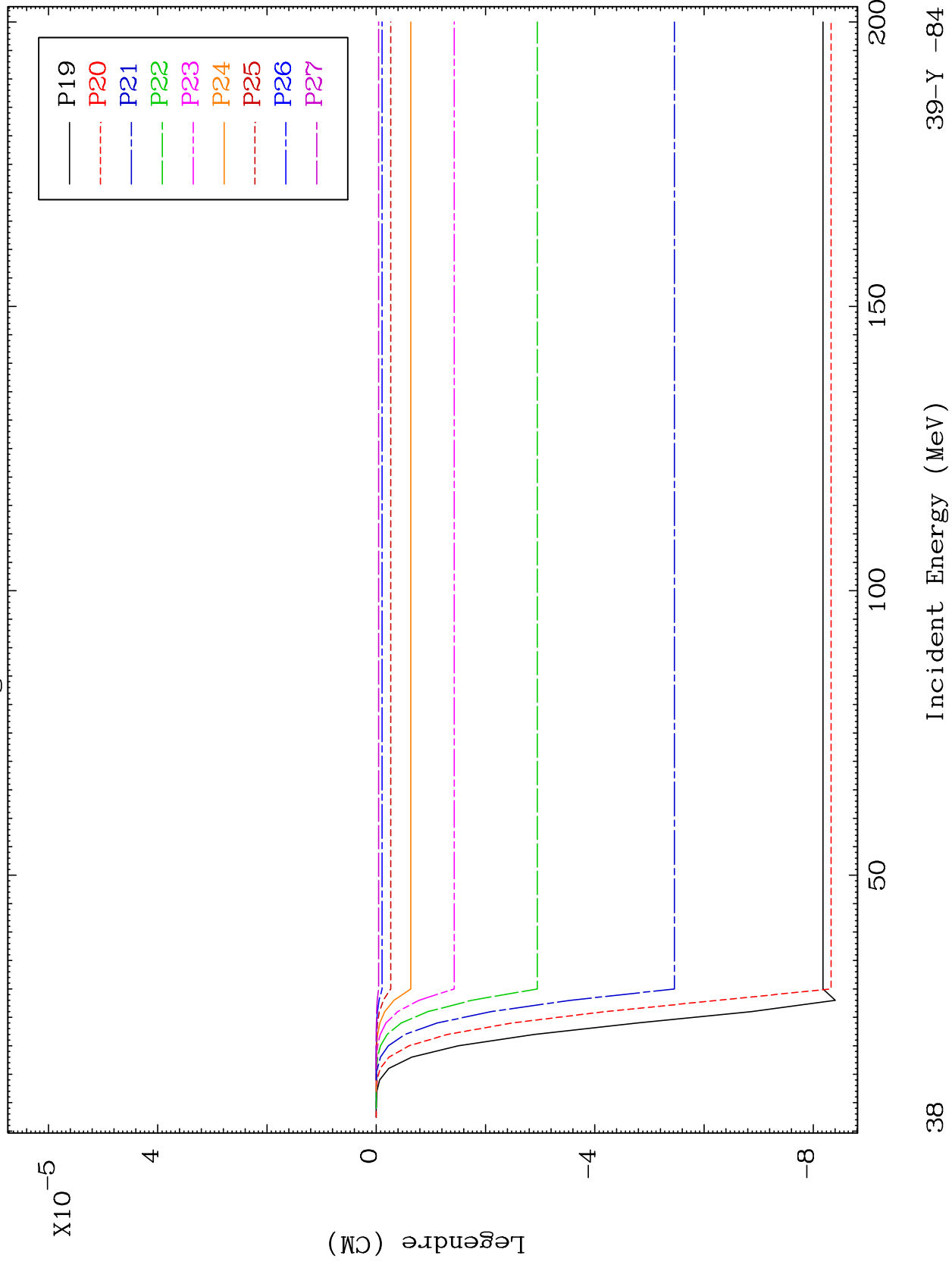
39-Y -84

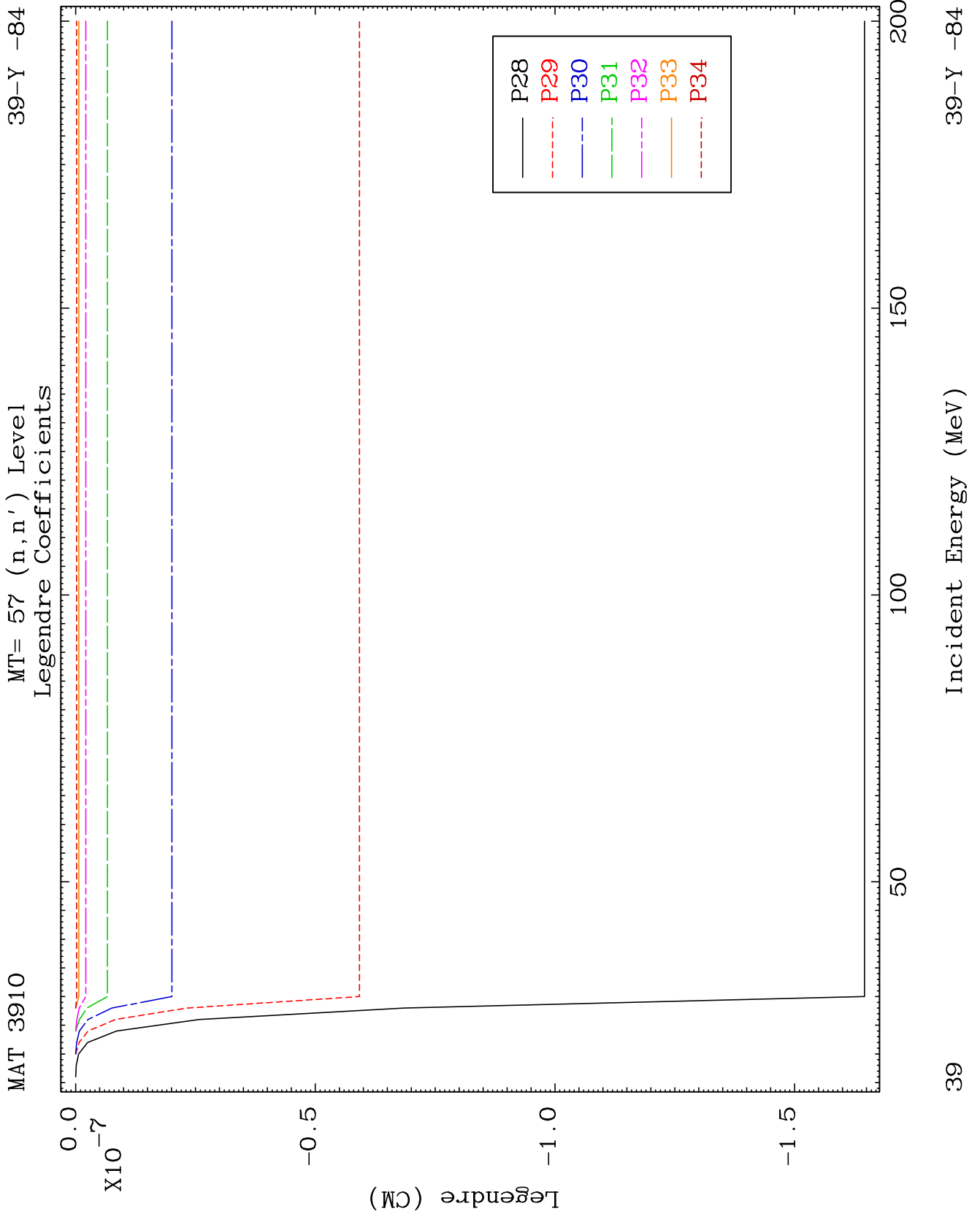


MAT 3910

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

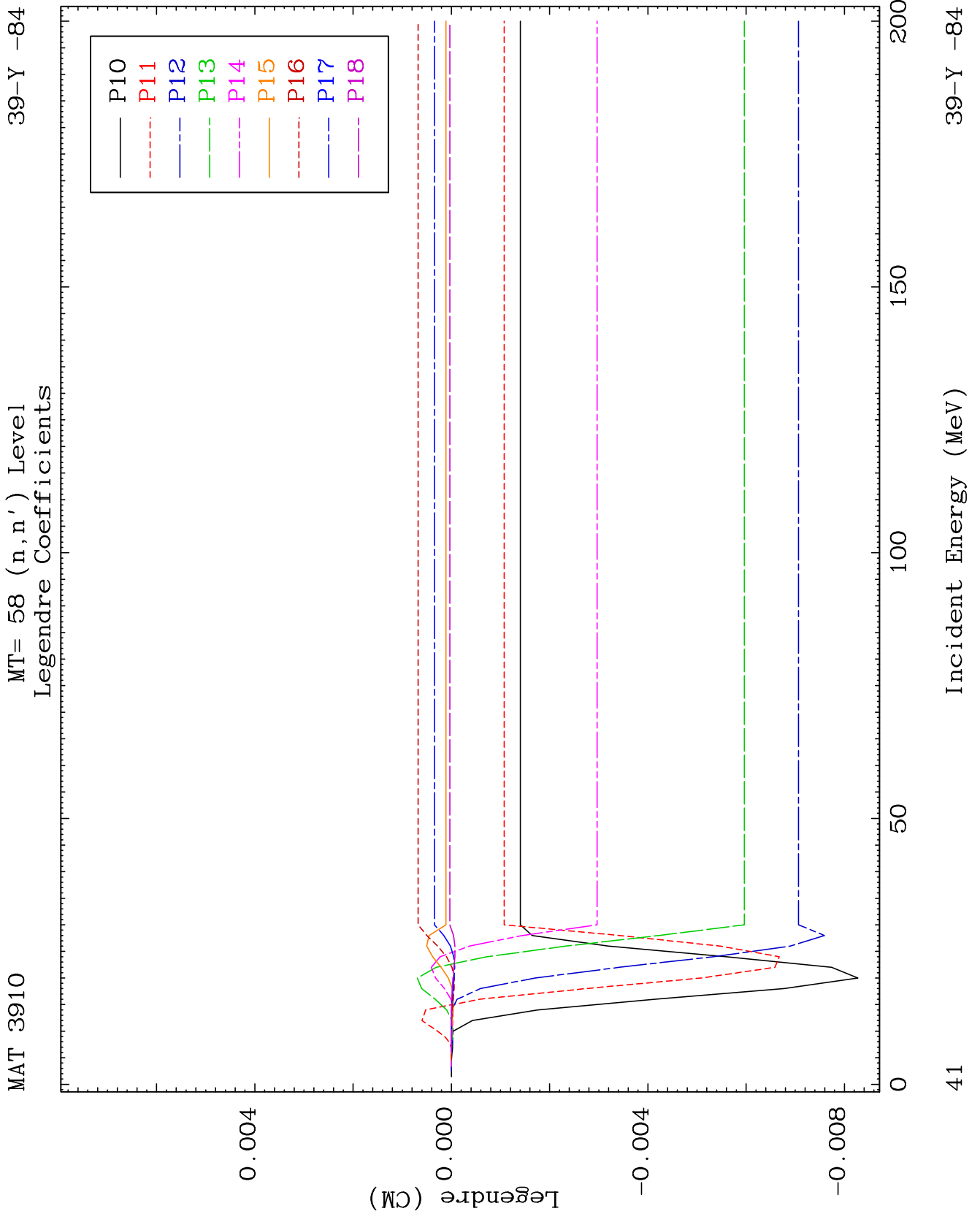
39-Y -84







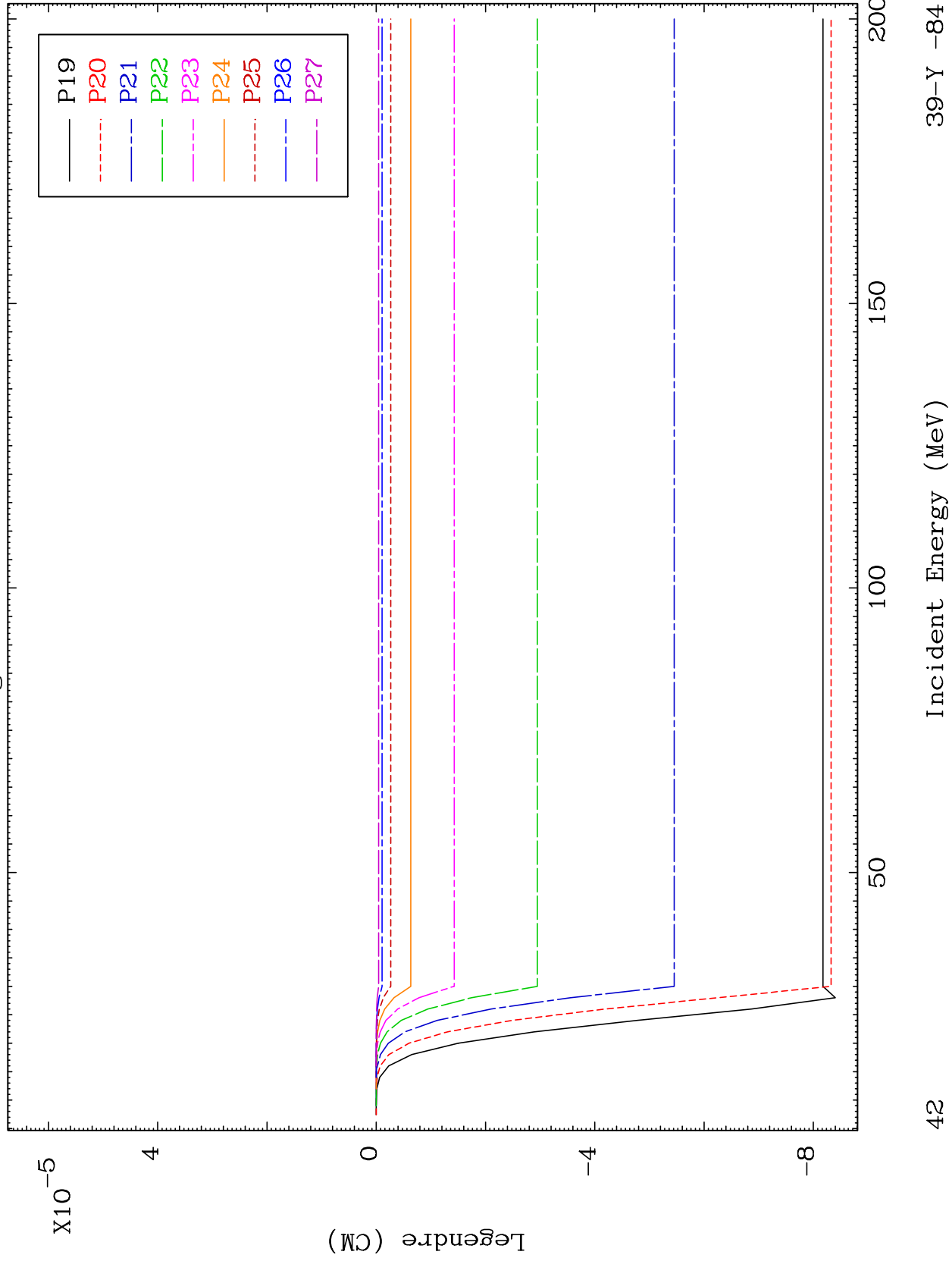


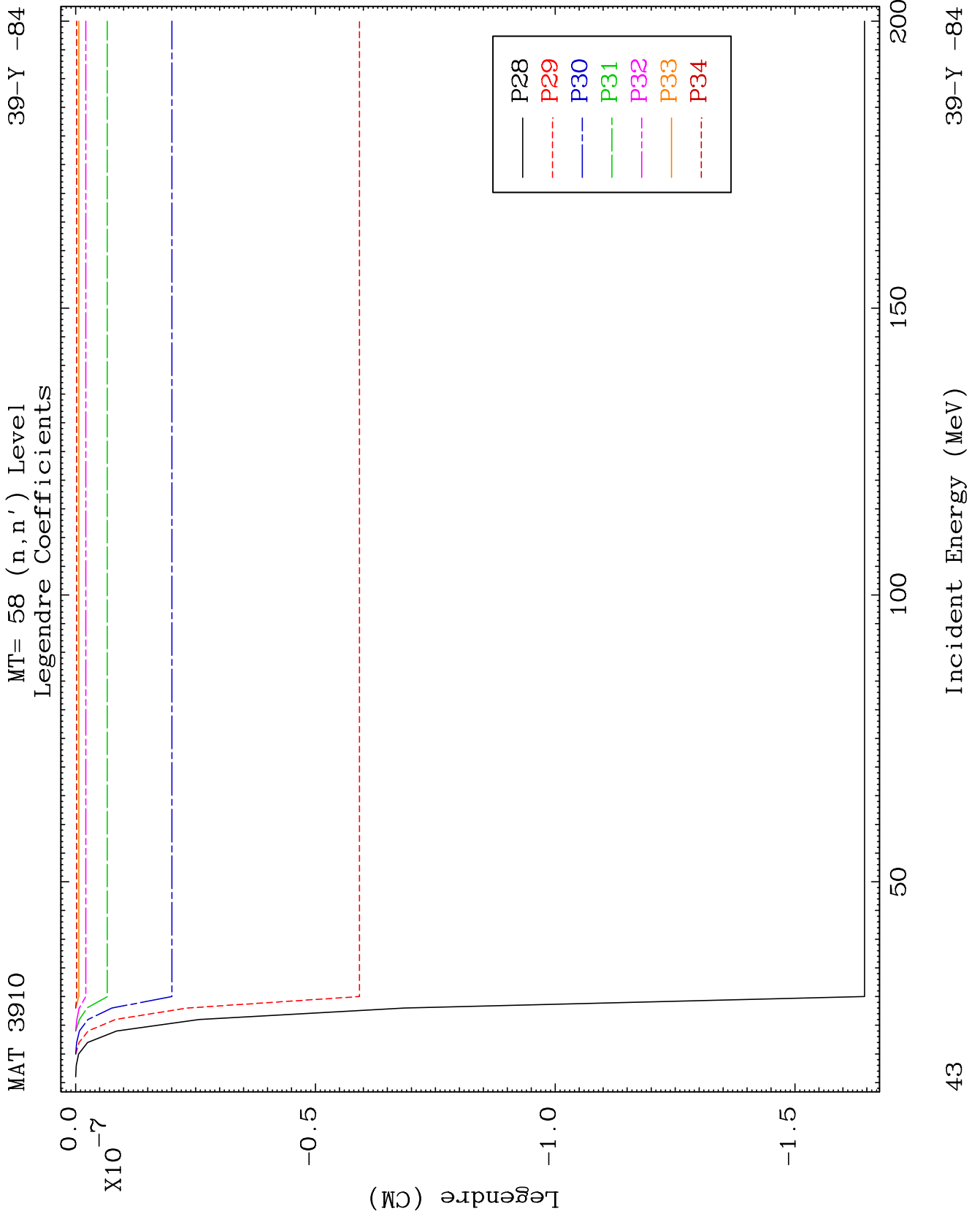


MAT 3910

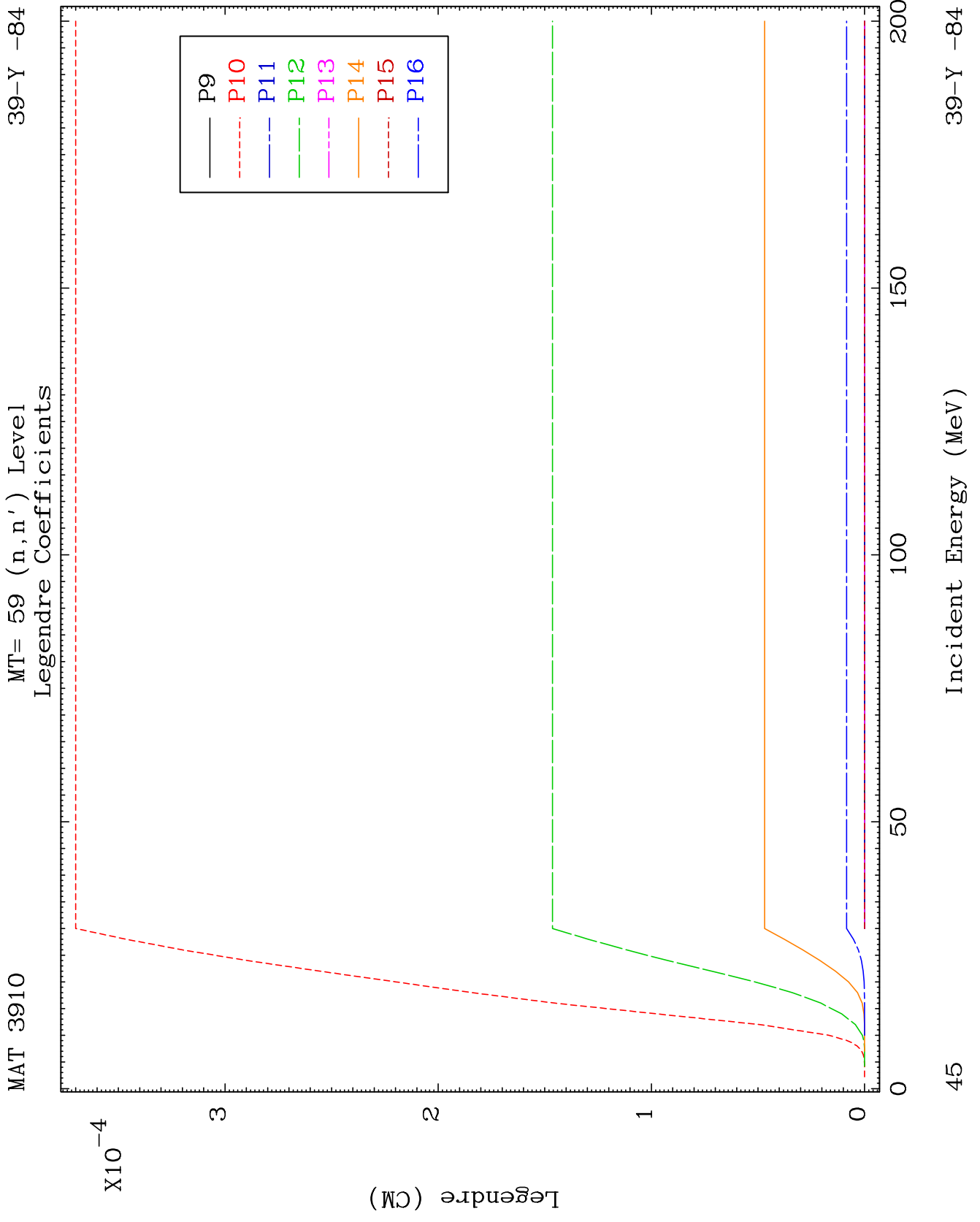
MT= 58 (n,n') Level  
Legendre Coefficients

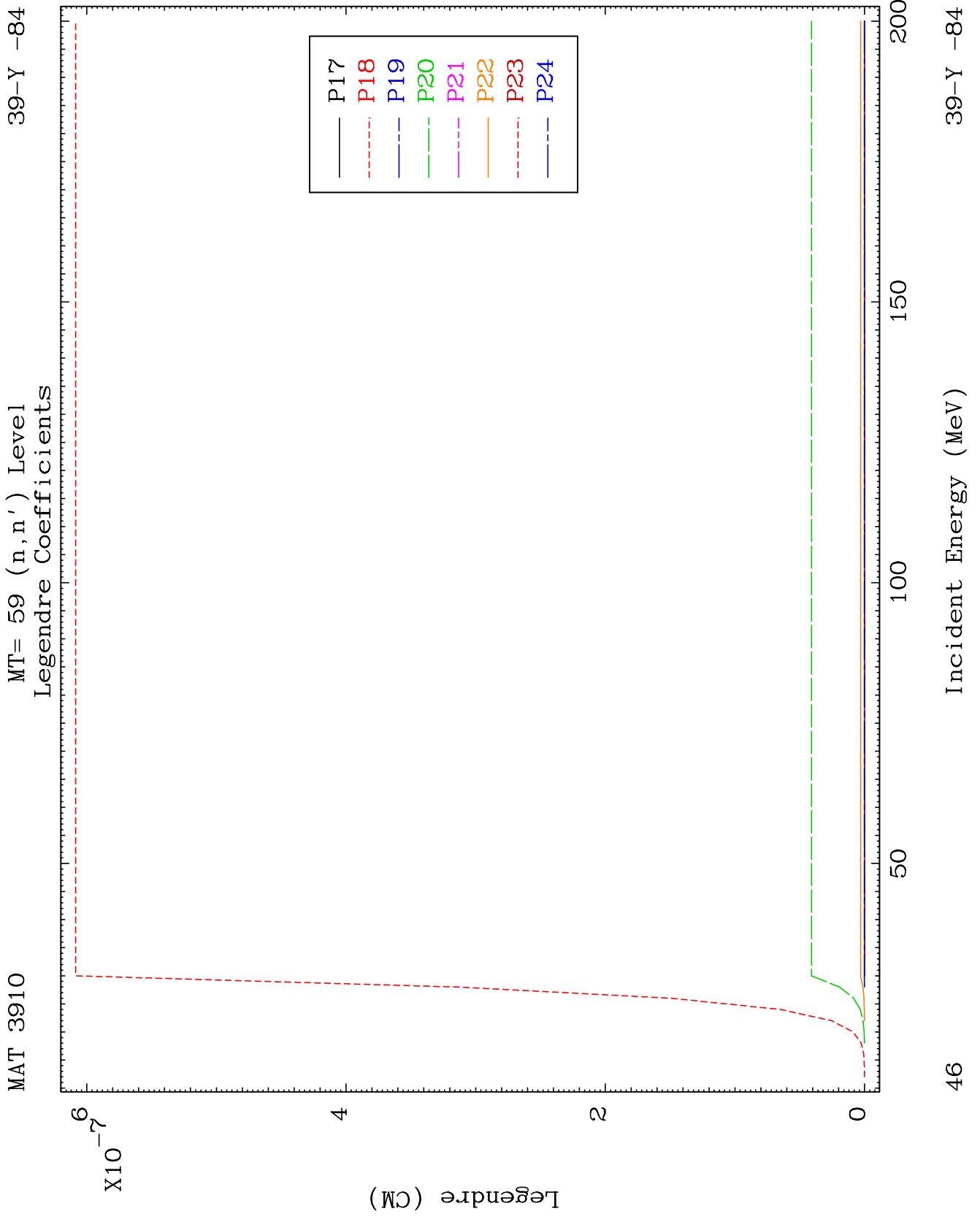
39-Y -84

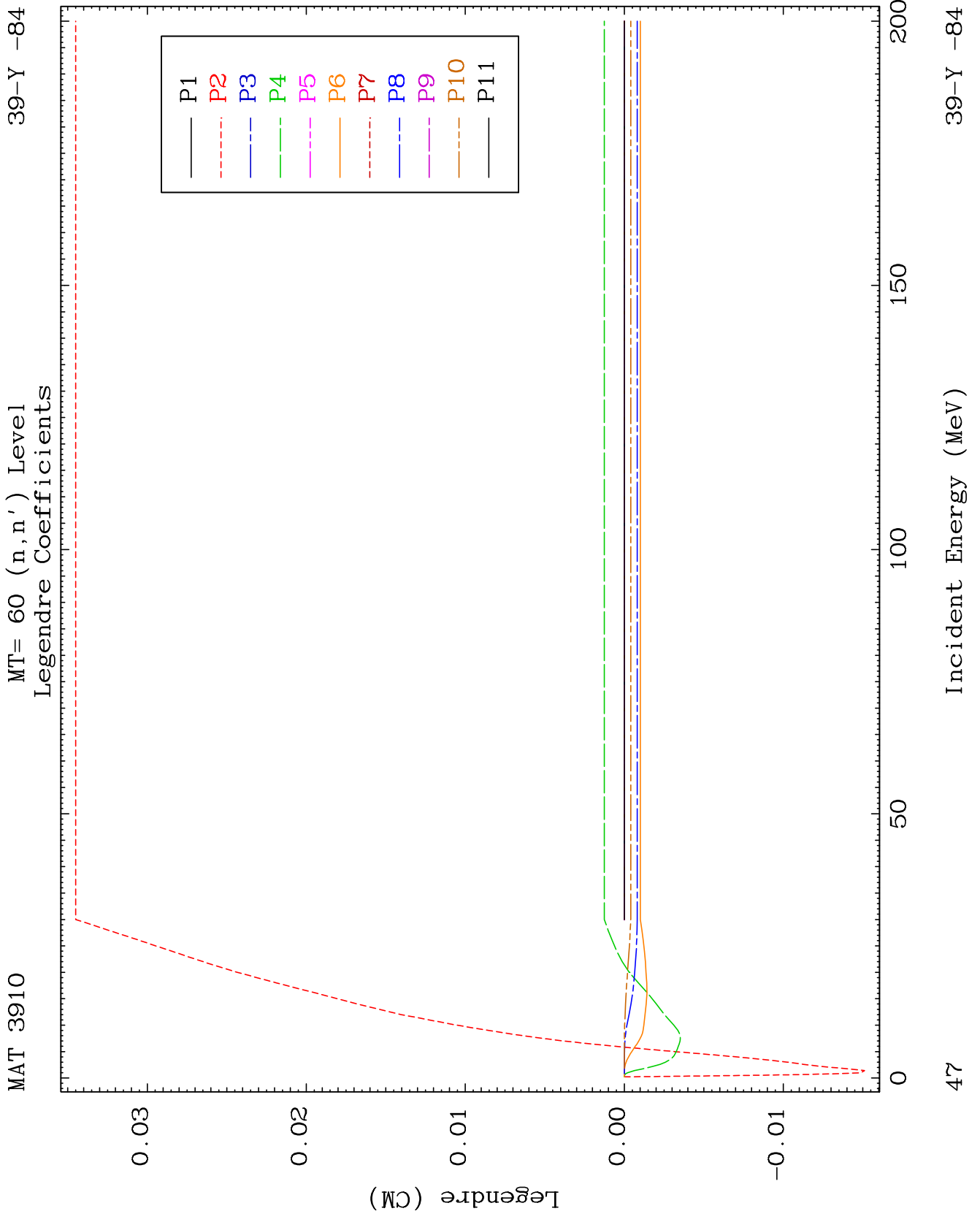




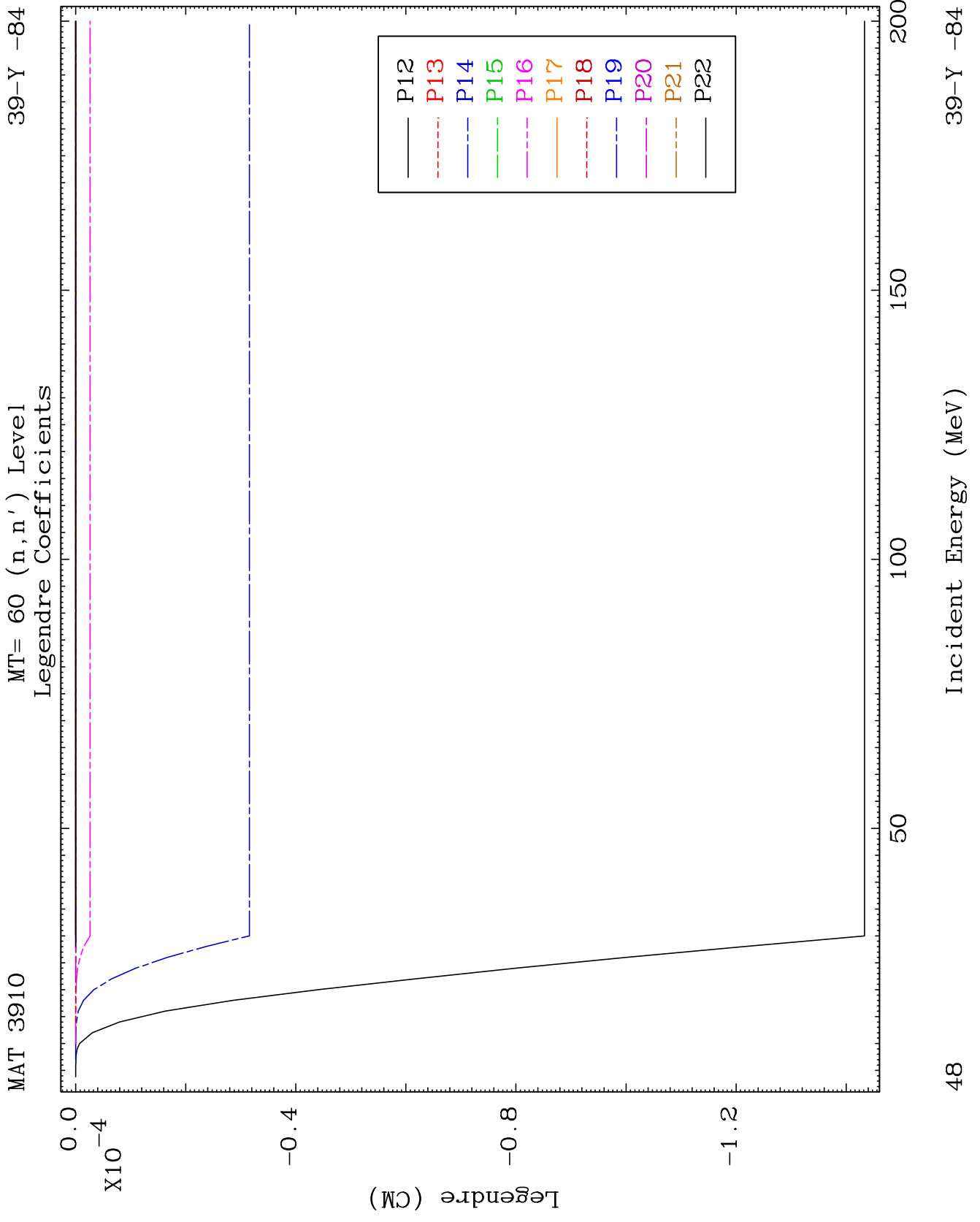








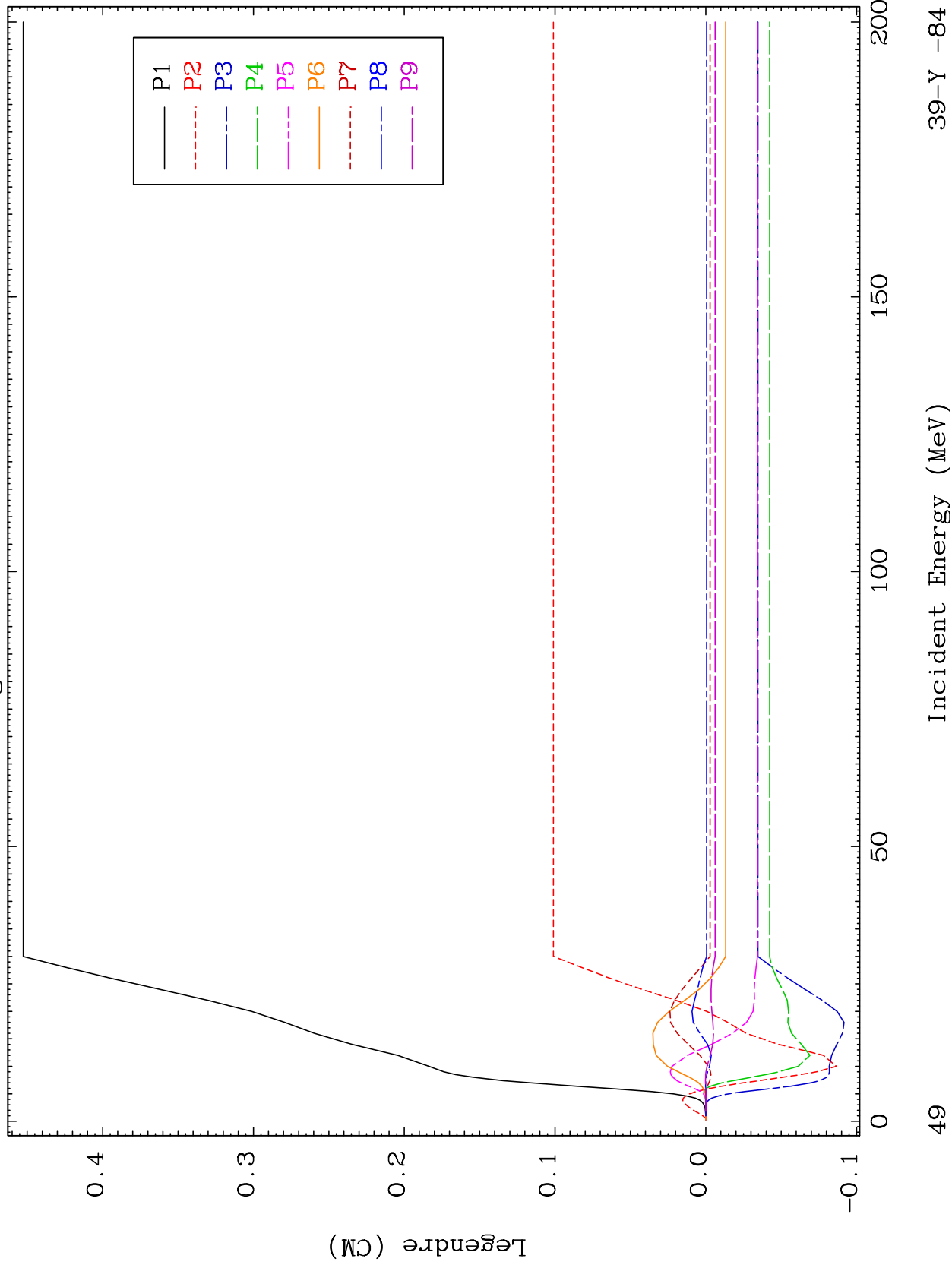




MAT 3910

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

39-Y -84



49

Incident Energy (MeV)

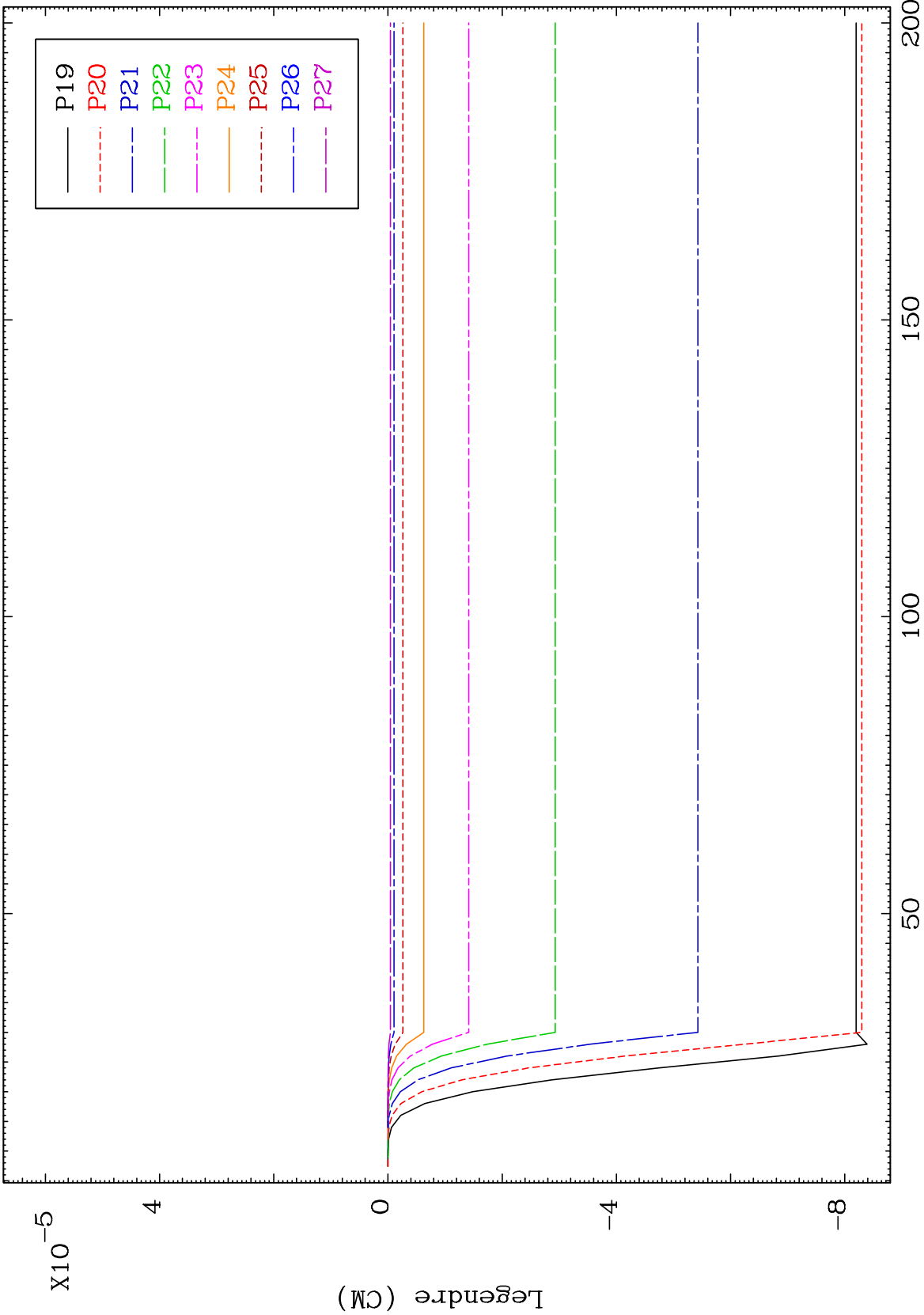
39-Y -84



MAT 3910

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

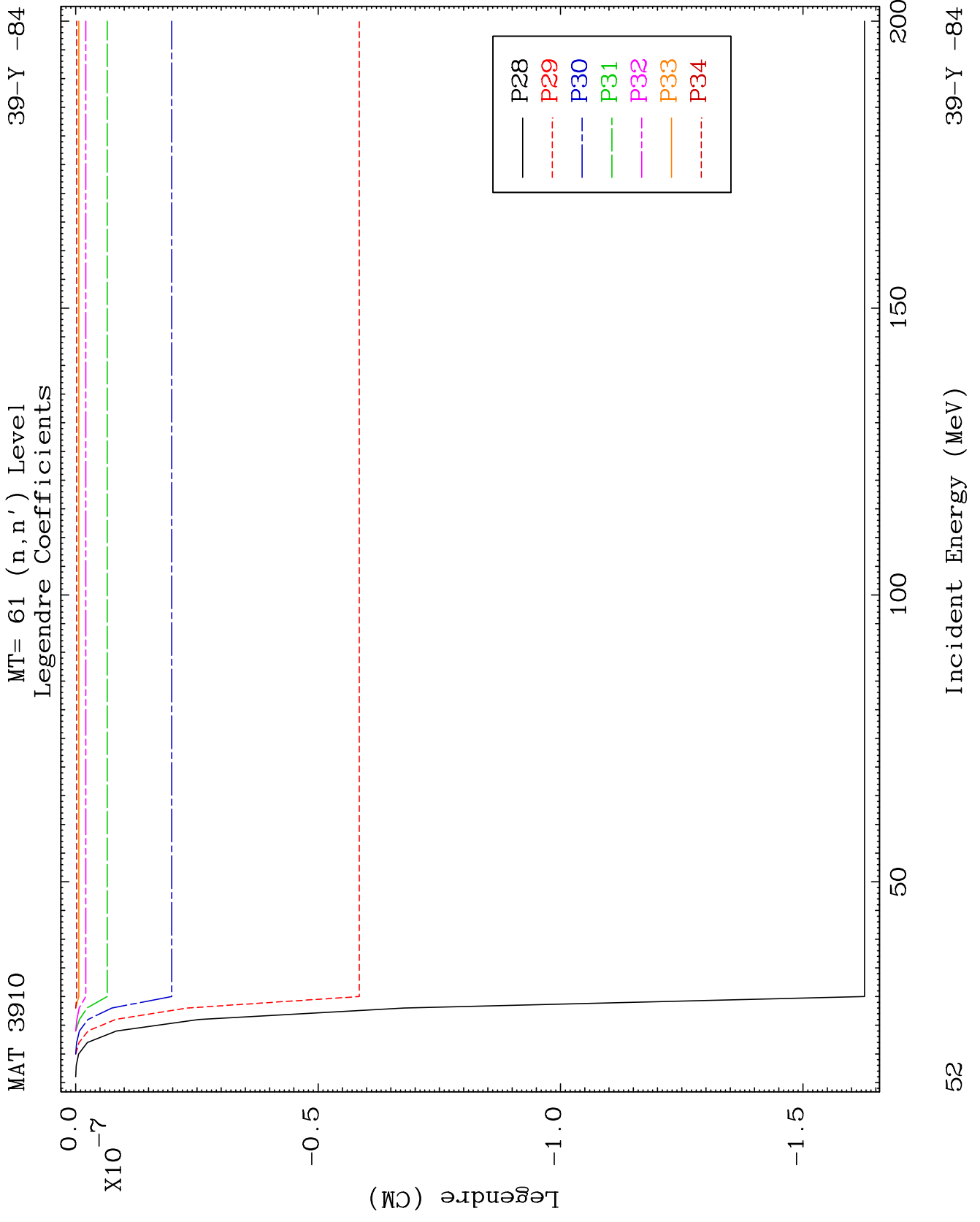
39-Y -84



51

Incident Energy (MeV)

39-Y -84

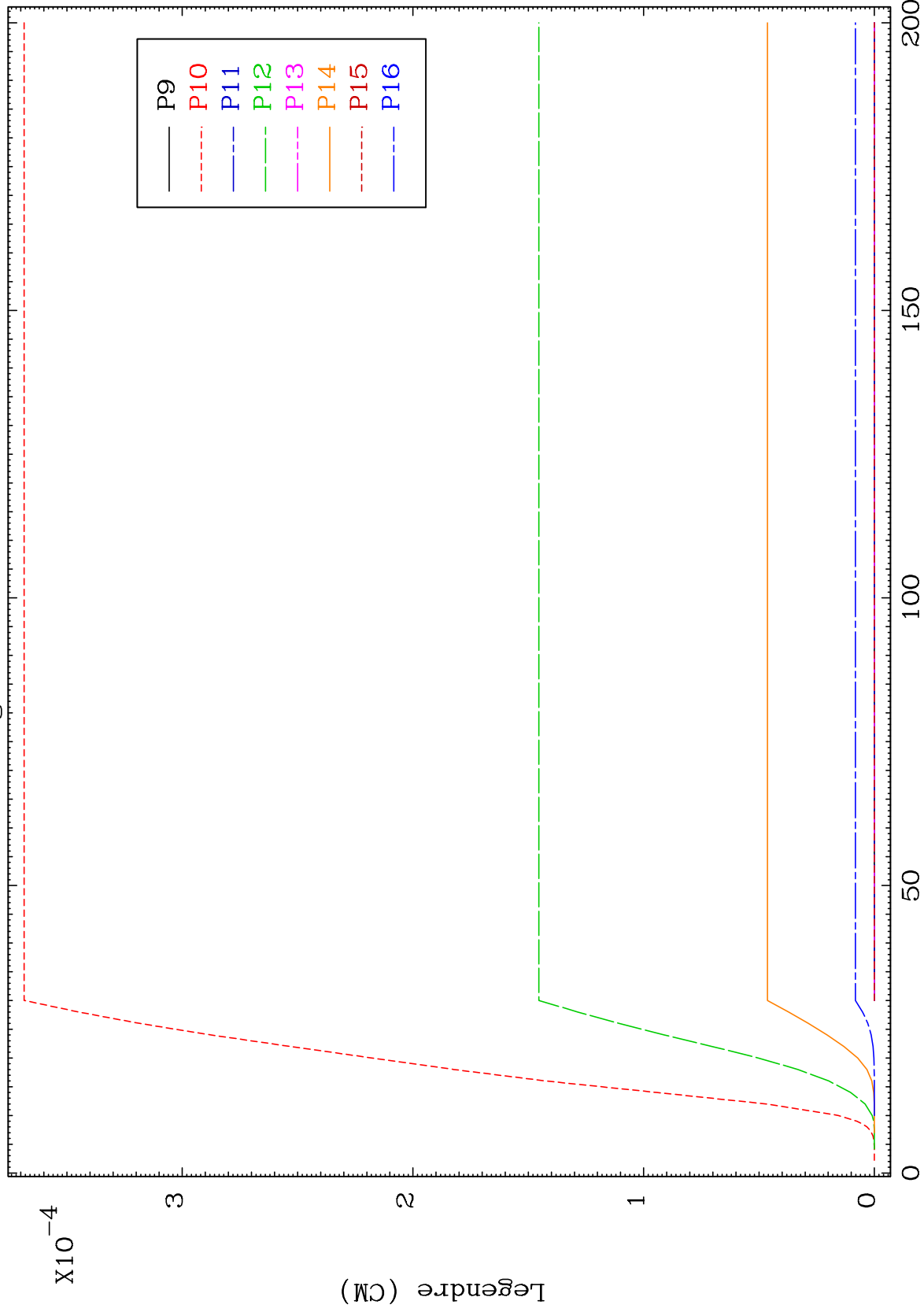




MAT 3910

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

39-Y -84



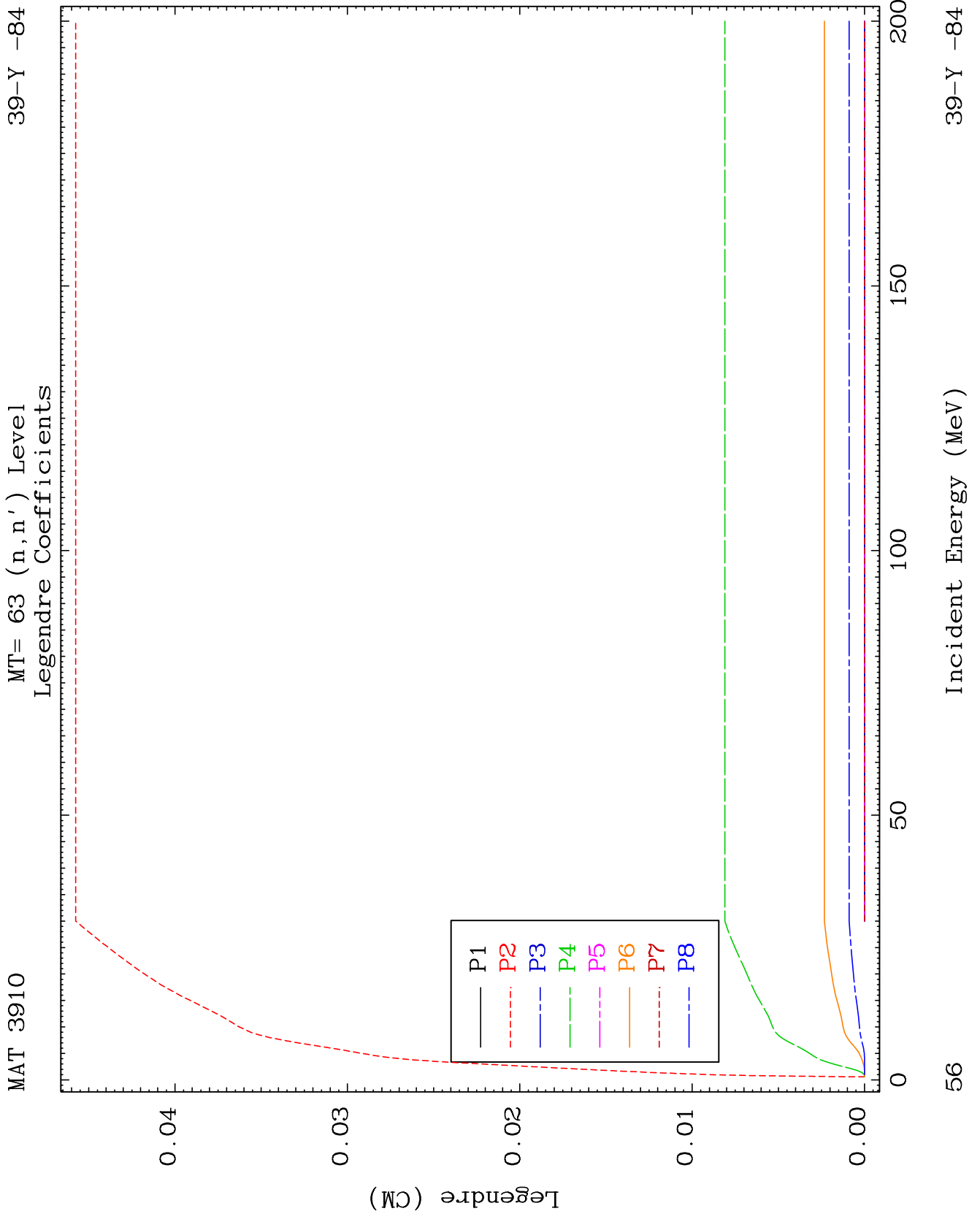
54

Incident Energy (MeV)

39-Y -84



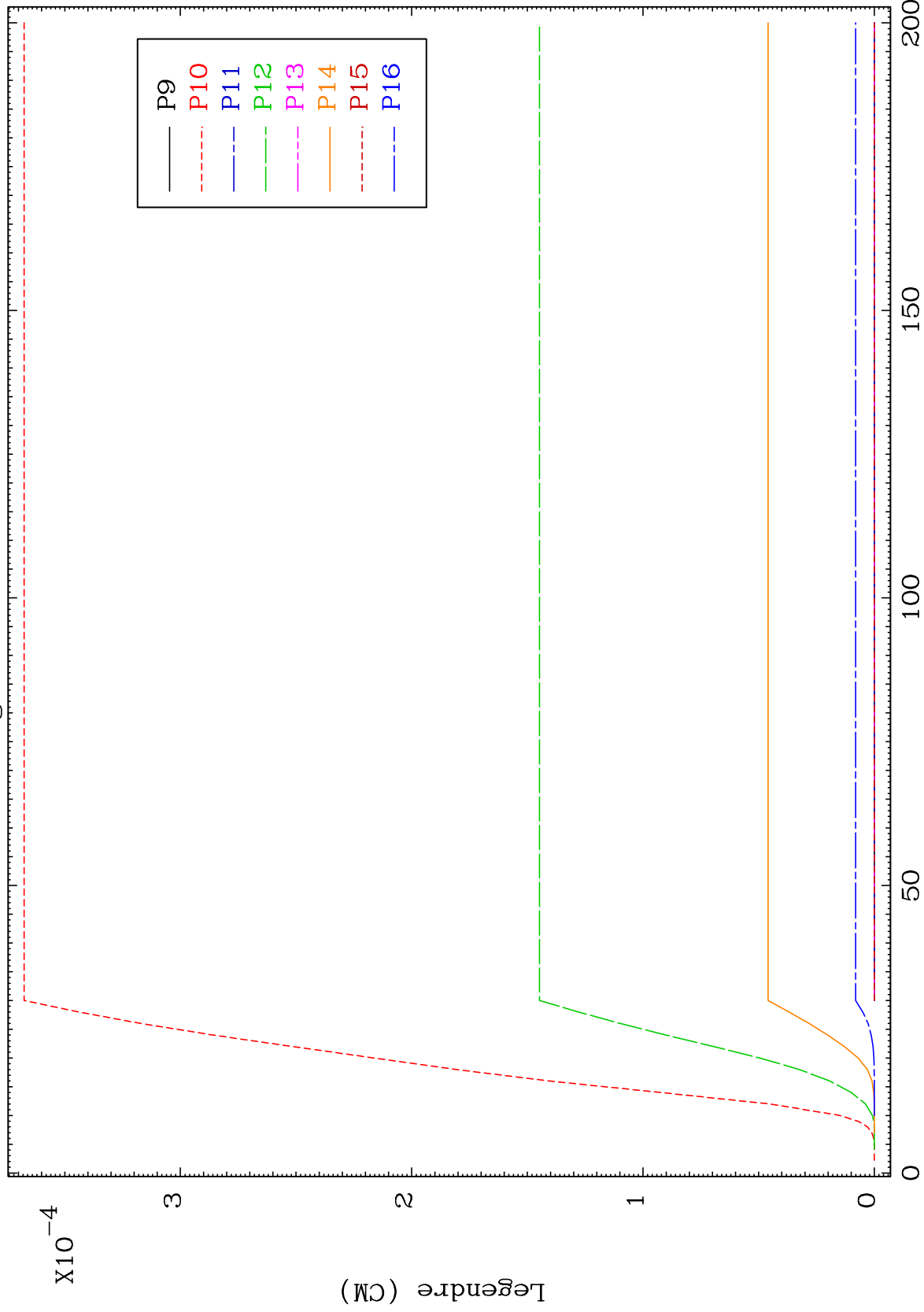




MAT 3910

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

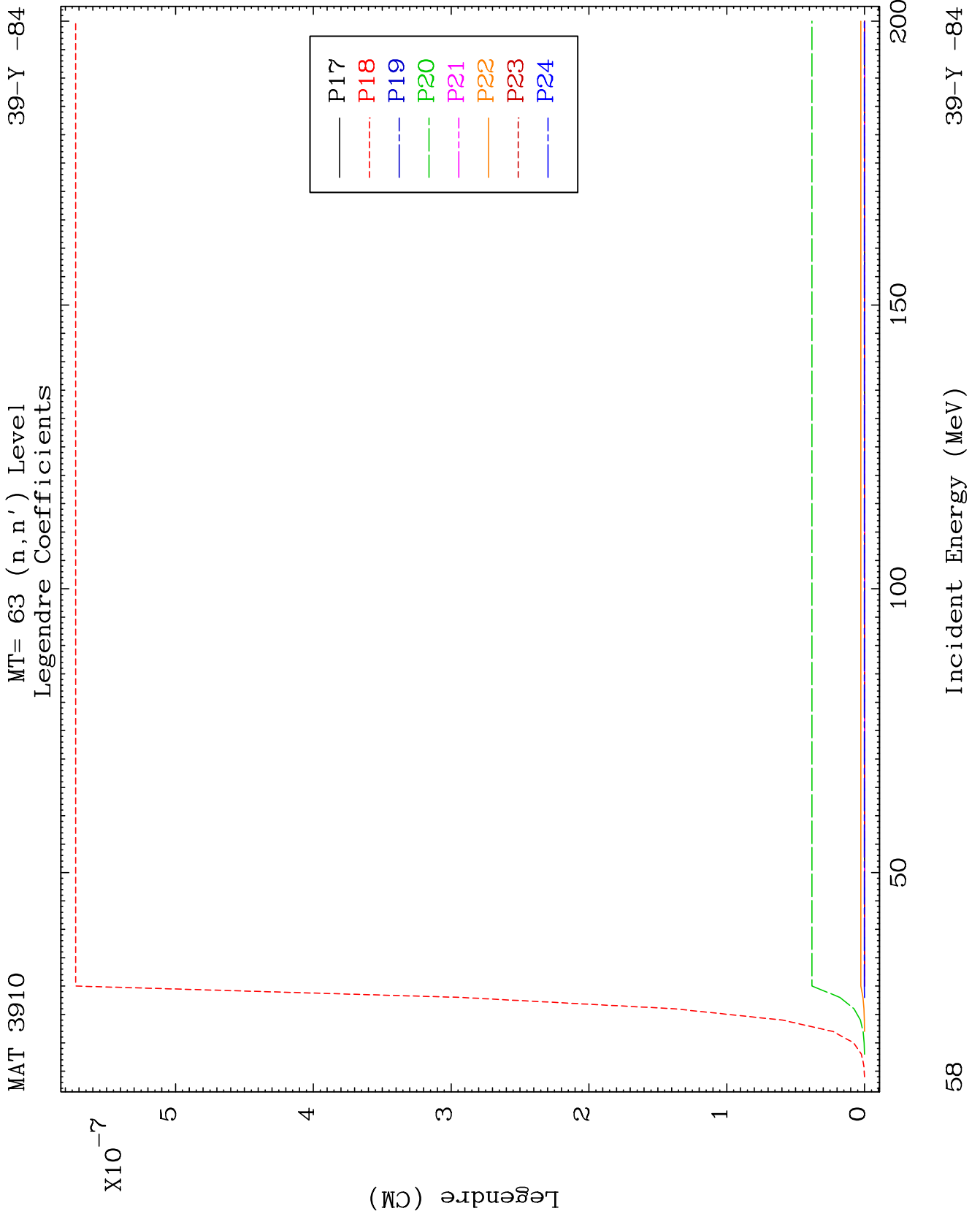
39-Y -84



57

Incident Energy (MeV)

39-Y -84

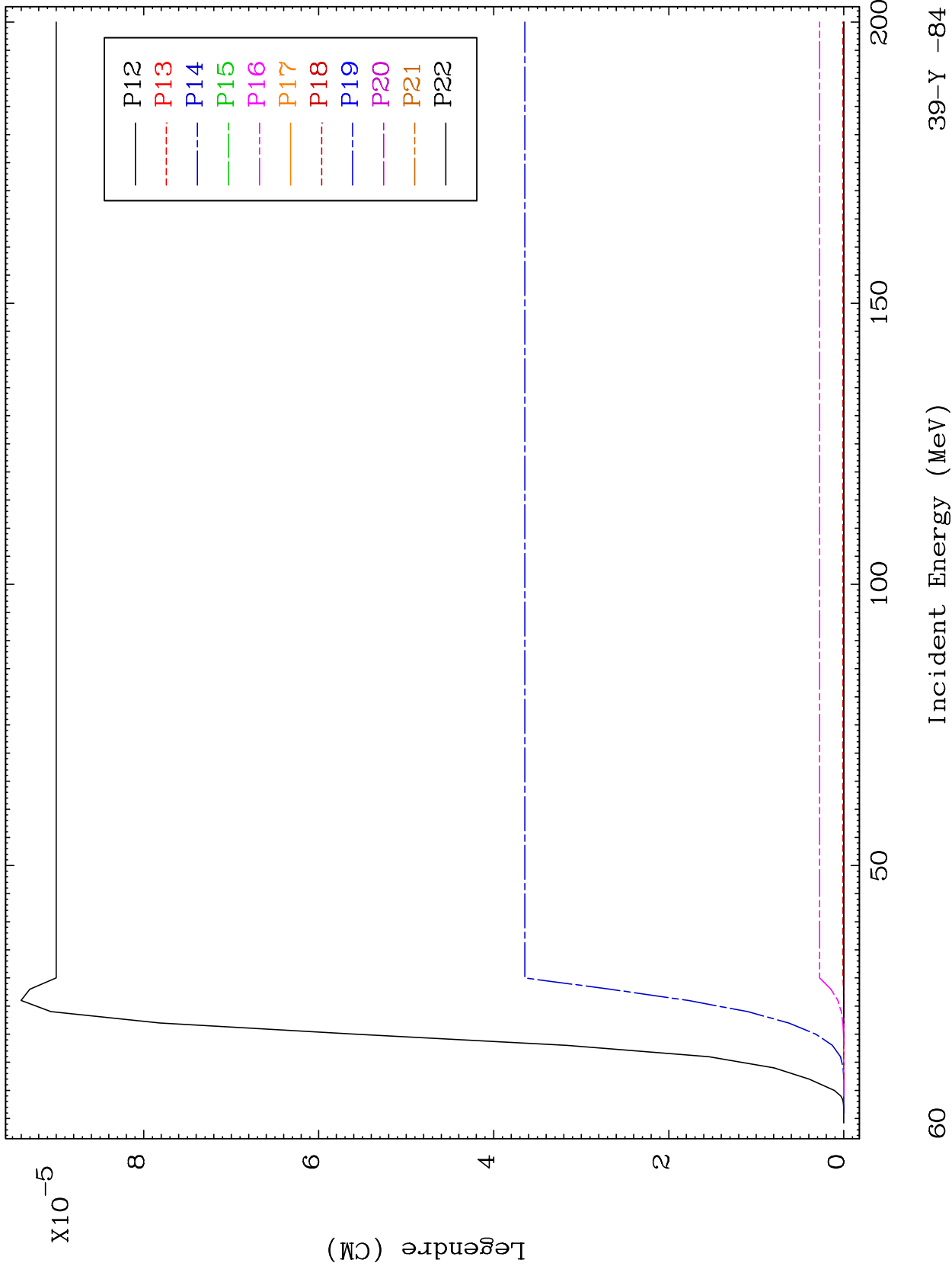




MAT 3910

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

39-Y -84



39-Y -84

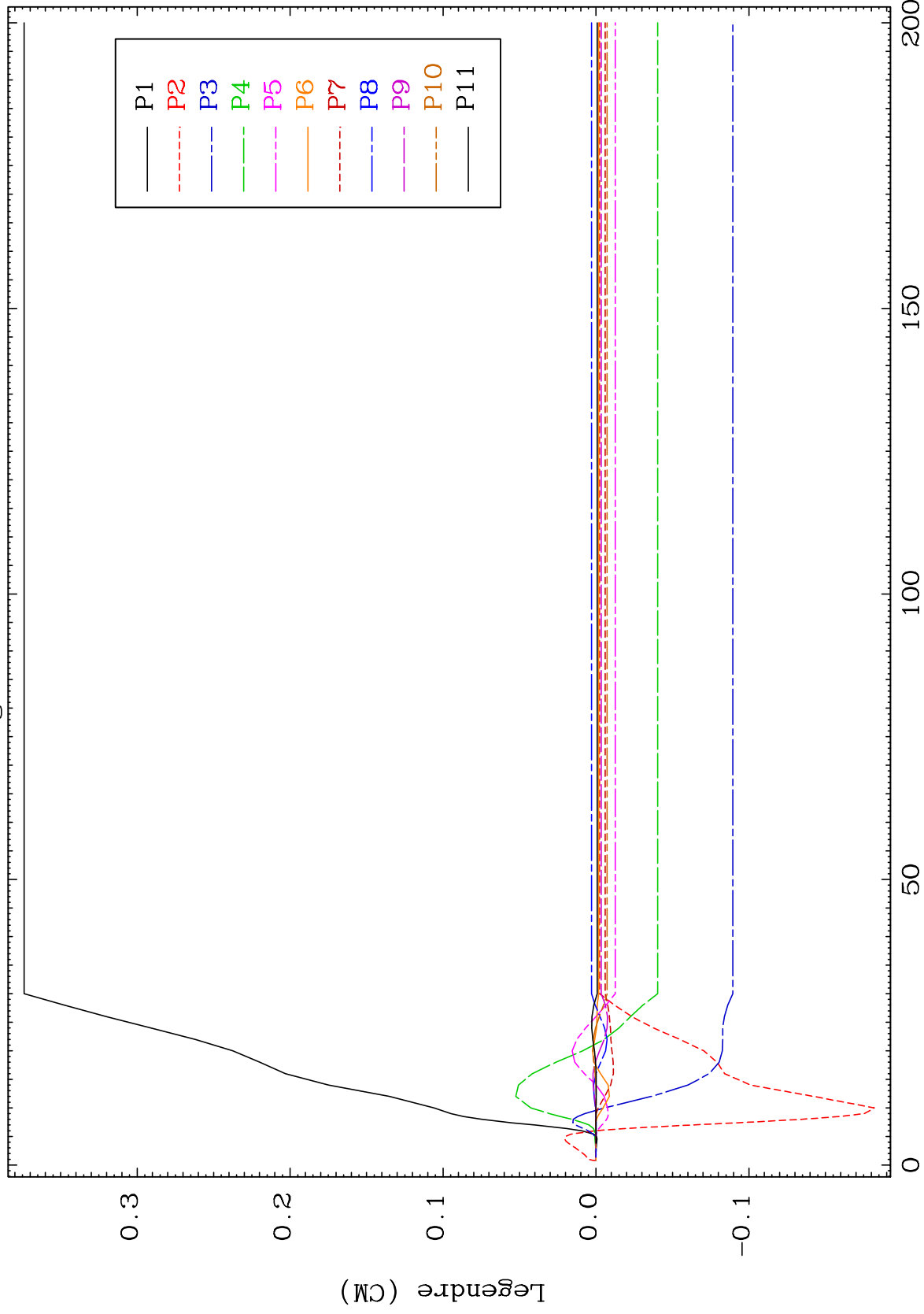
Incident Energy (MeV)

60

MAT 3910

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

39-Y -84



39-Y -84

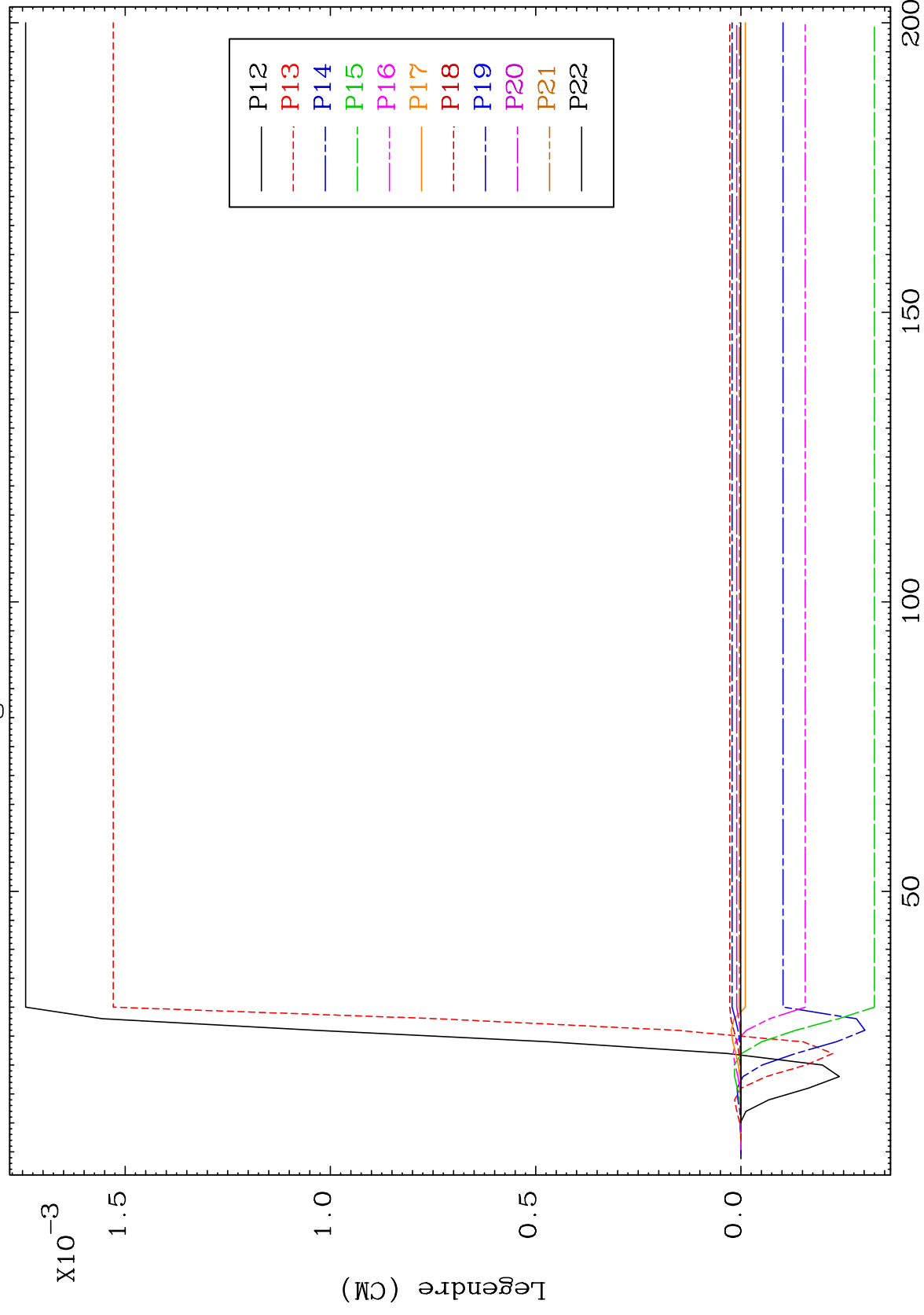
Incident Energy (MeV)

61

MAT 3910

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

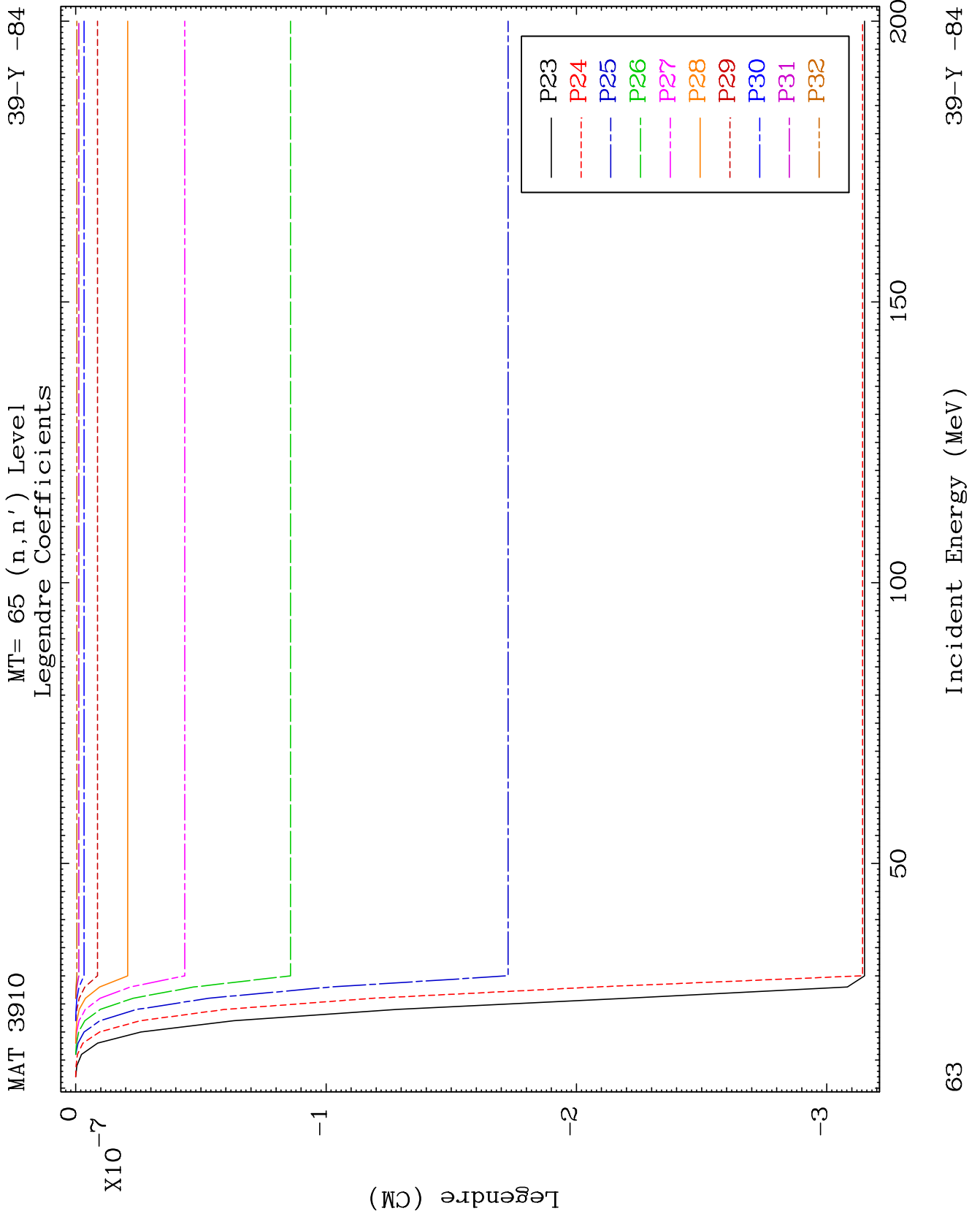
39-Y -84



62

Incident Energy (MeV)

39-Y -84

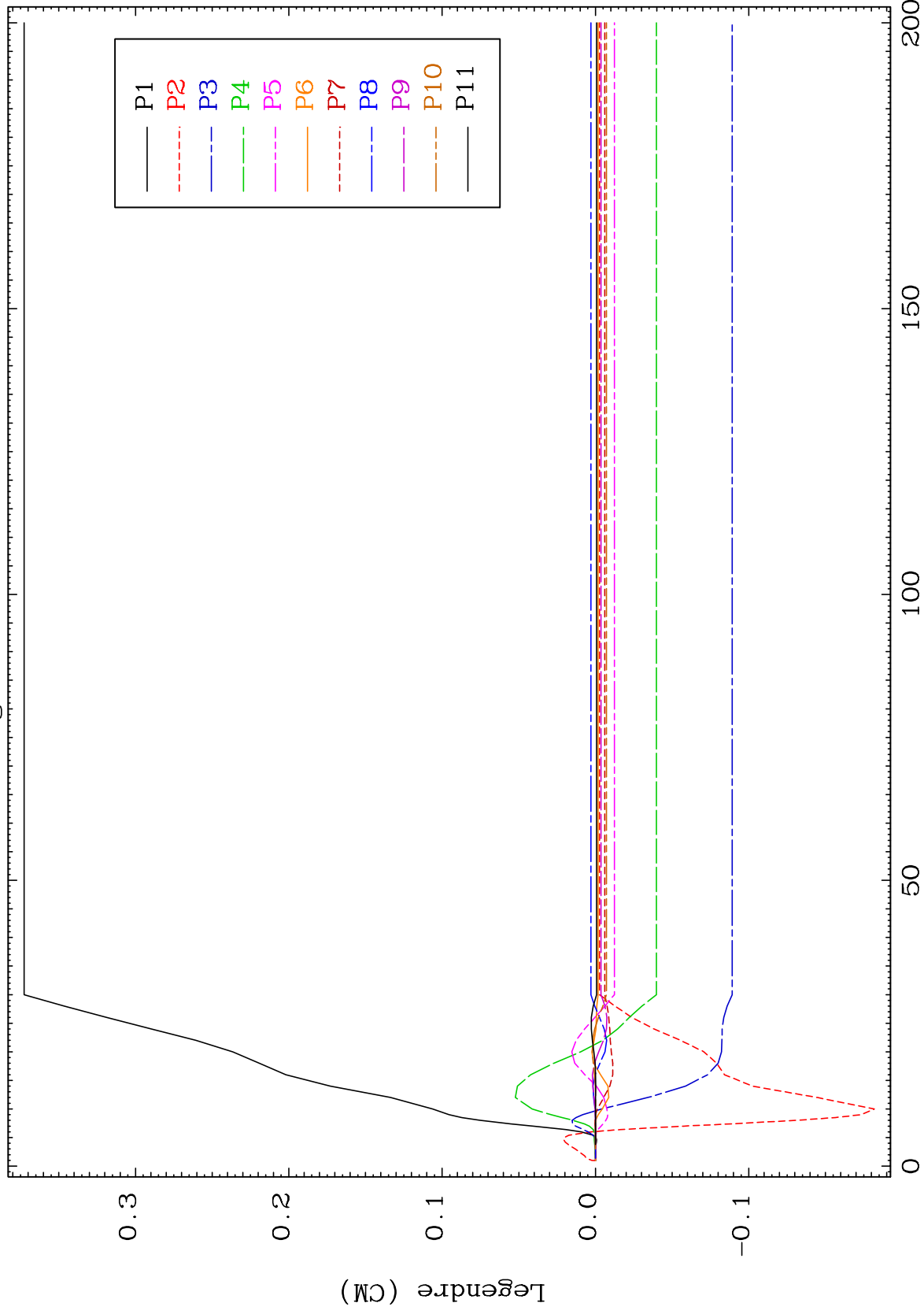




MAT 3910

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

39-Y -84



64

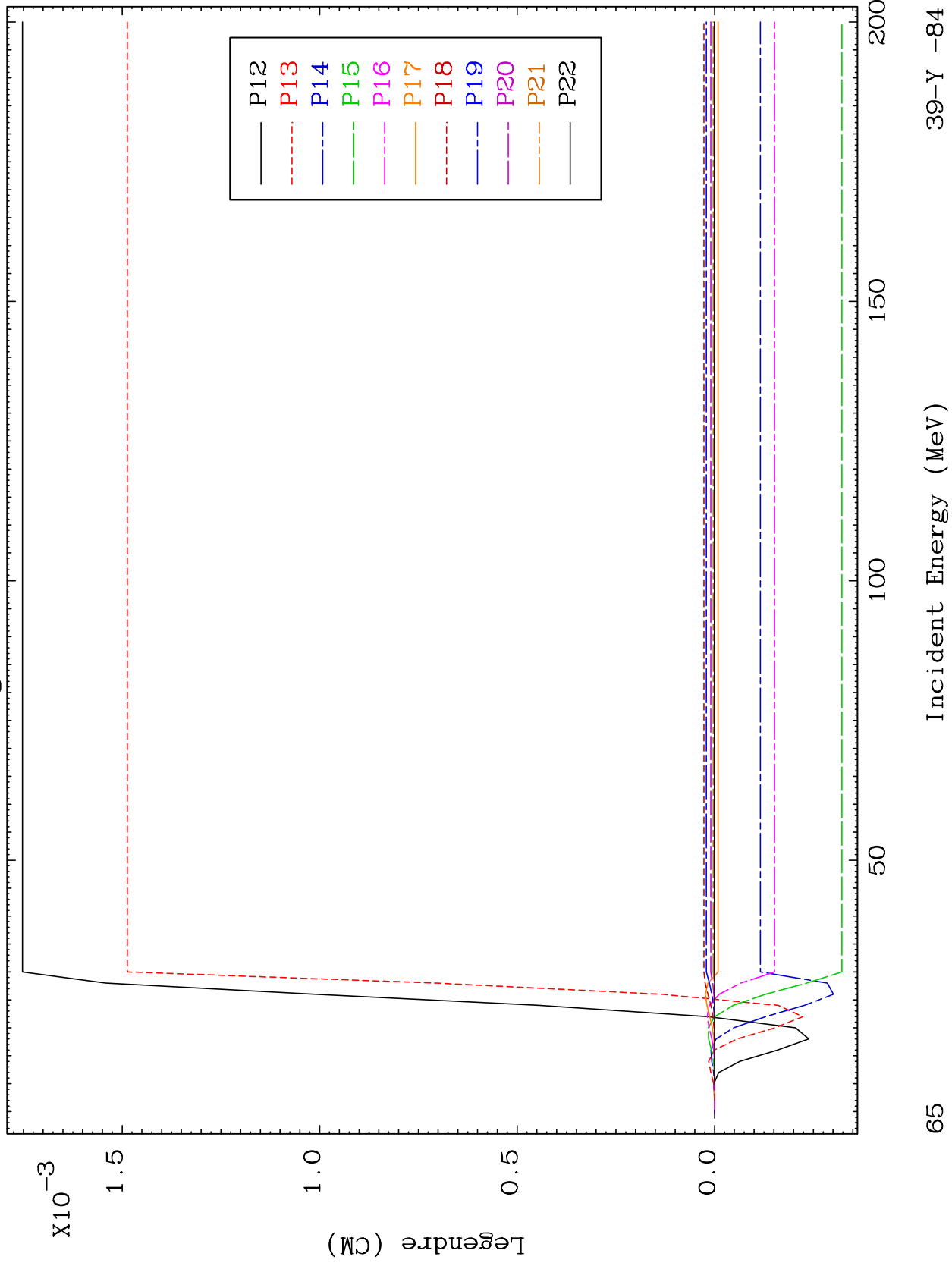
Incident Energy (MeV)

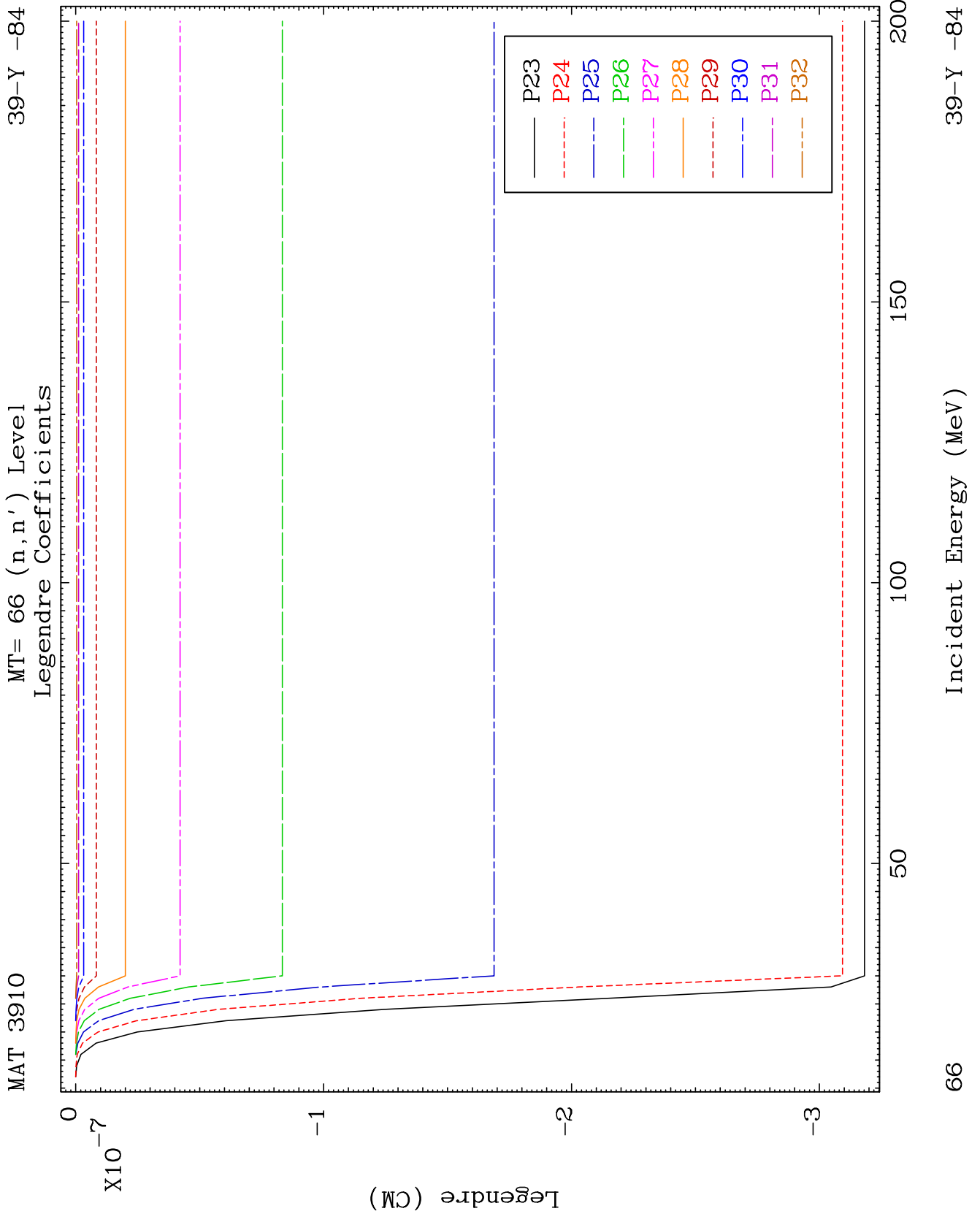
39-Y -84

MAT 3910

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

39-Y -84

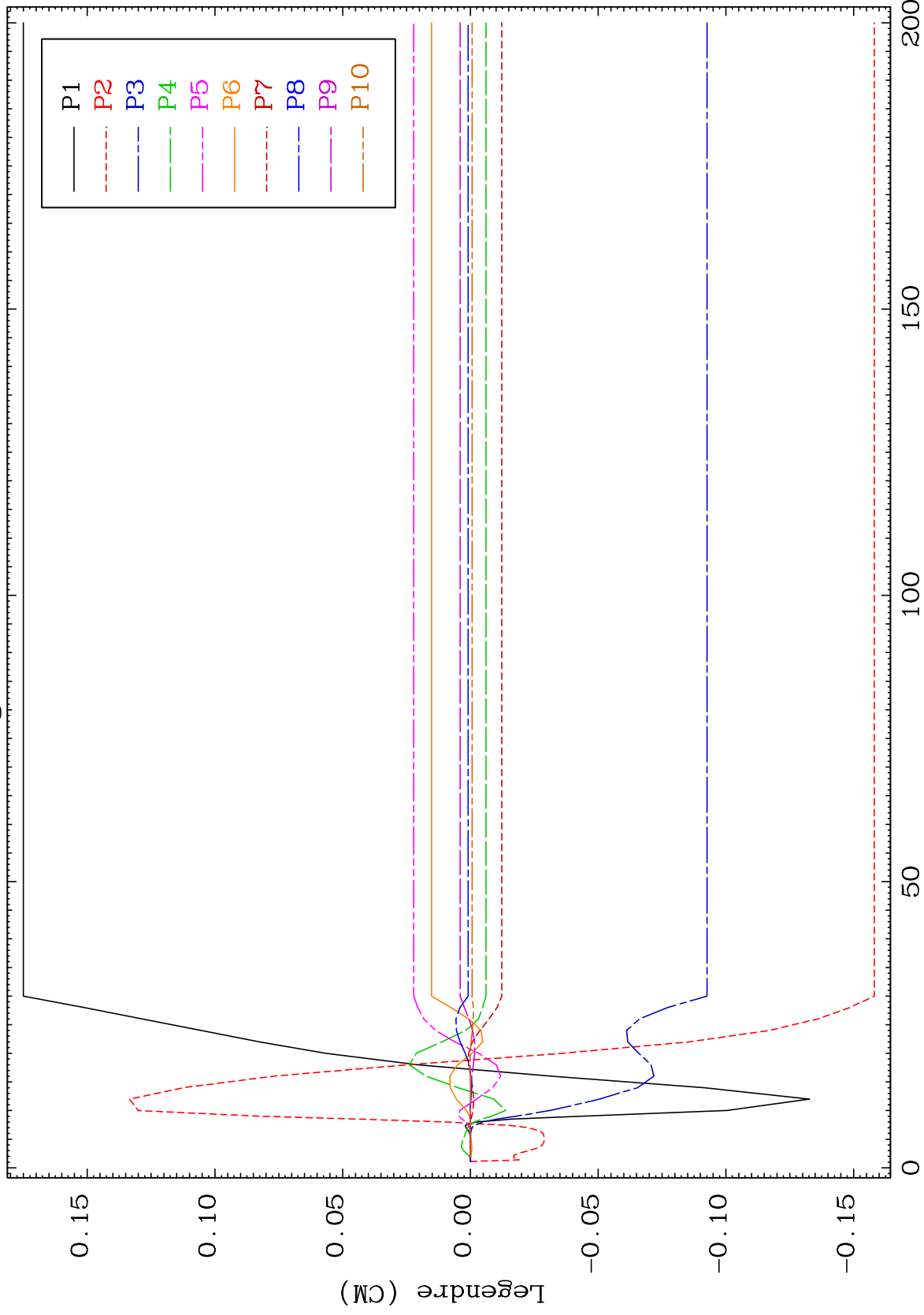




MAT 3910

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

39-Y -84



67

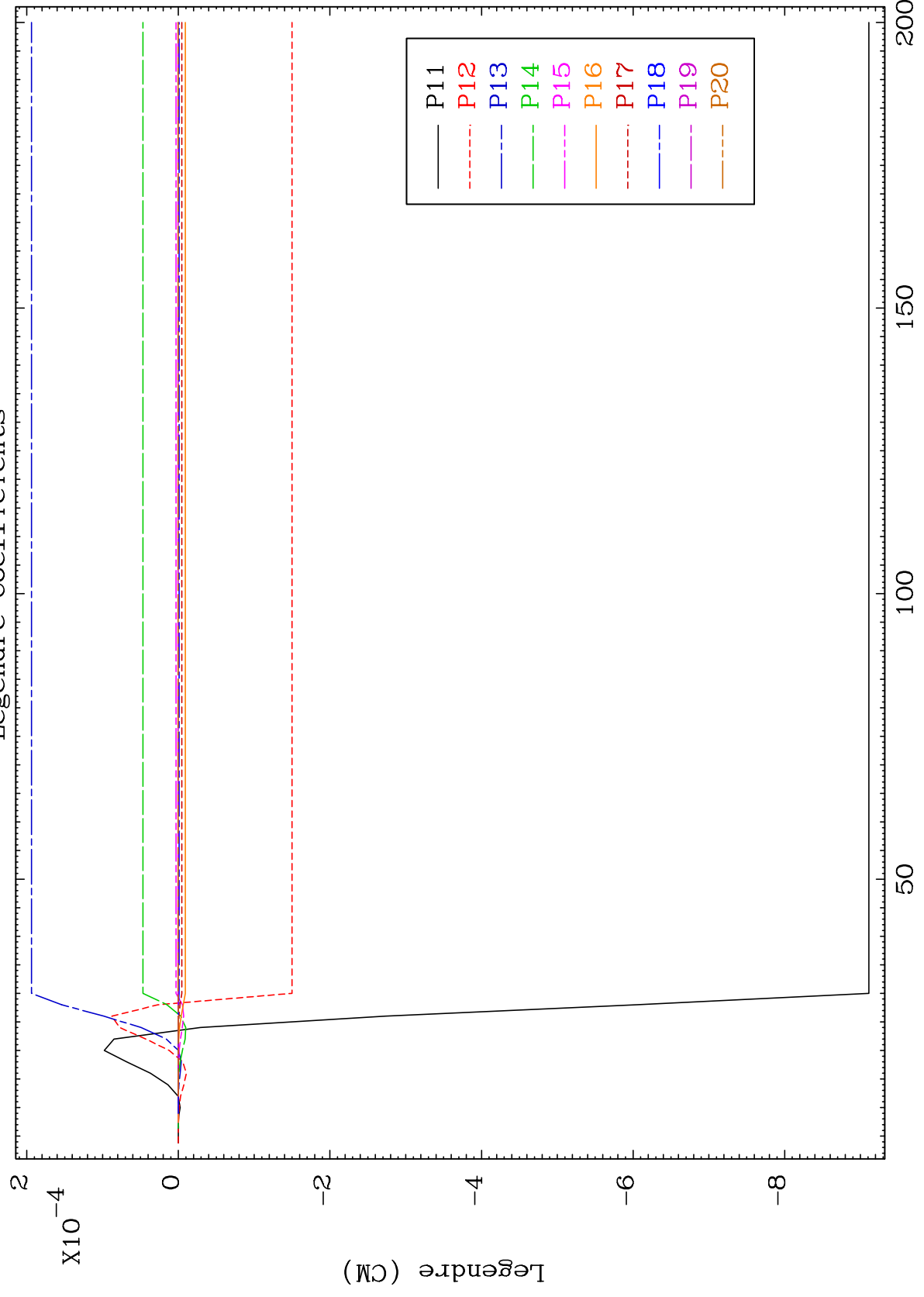
Incident Energy (MeV)

39-Y -84

MAT 3910

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

39-Y -84



68

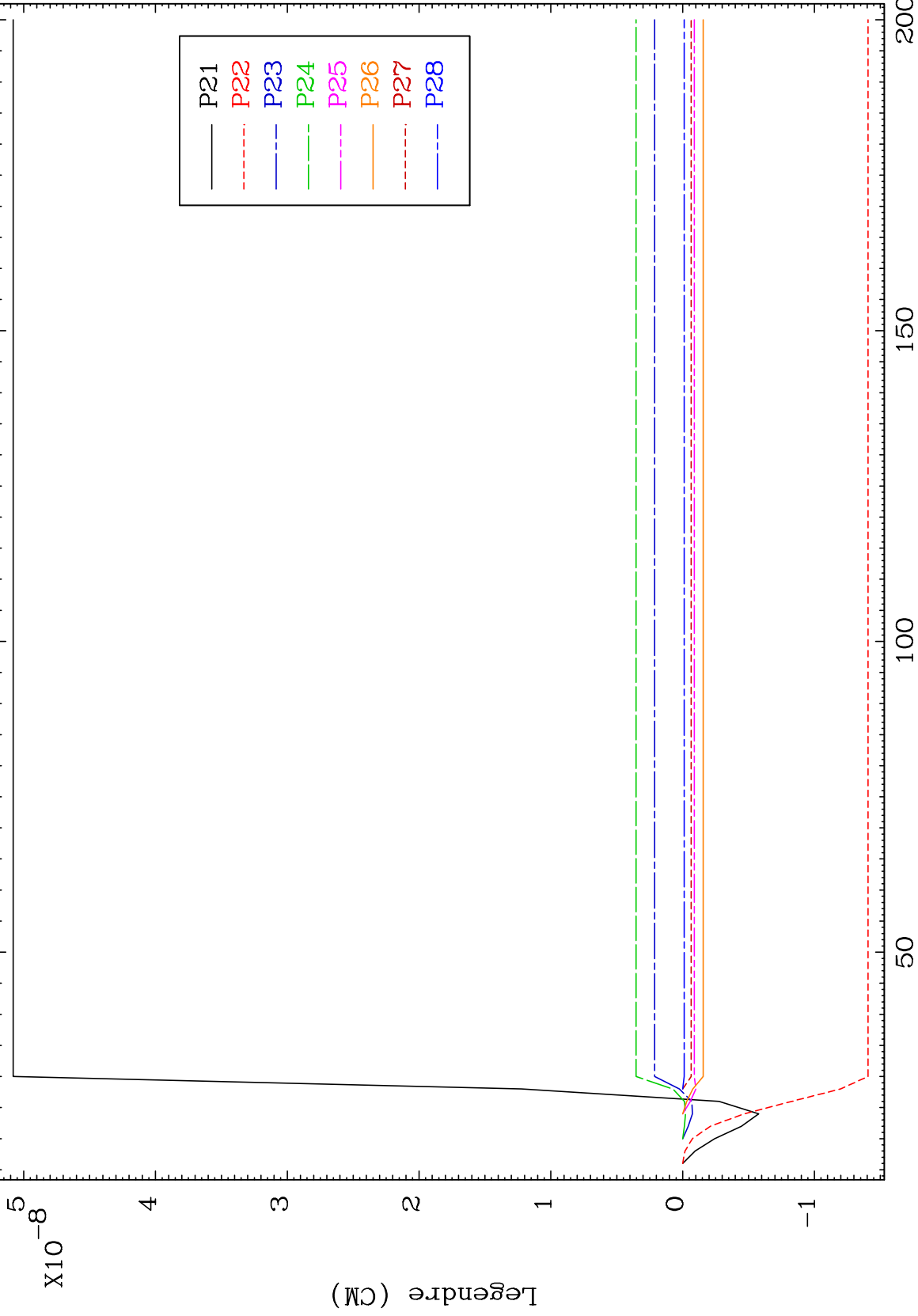
Incident Energy (MeV)

39-Y -84

MAT 3910

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

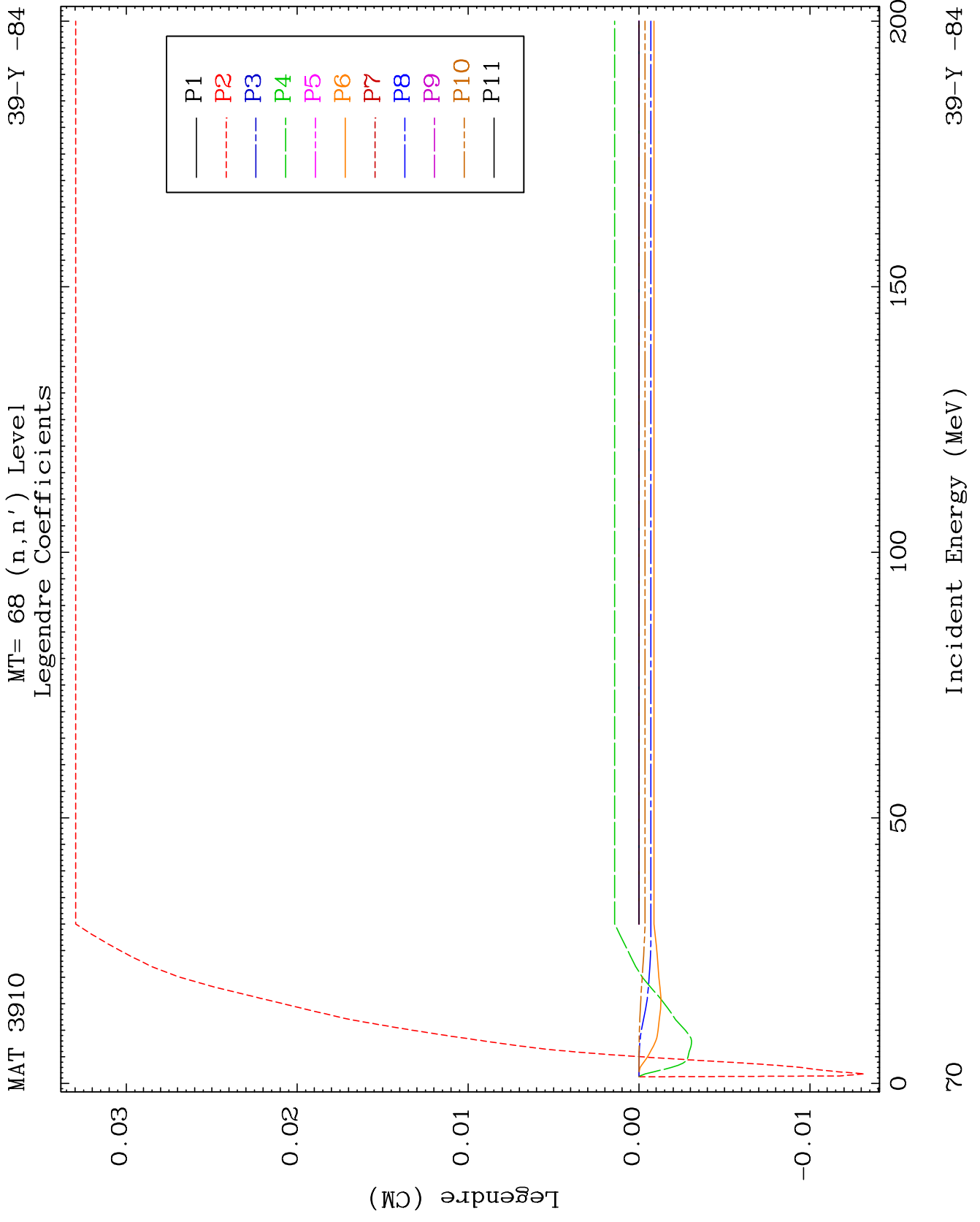
39-Y -84



69

Incident Energy (MeV)

39-Y -84

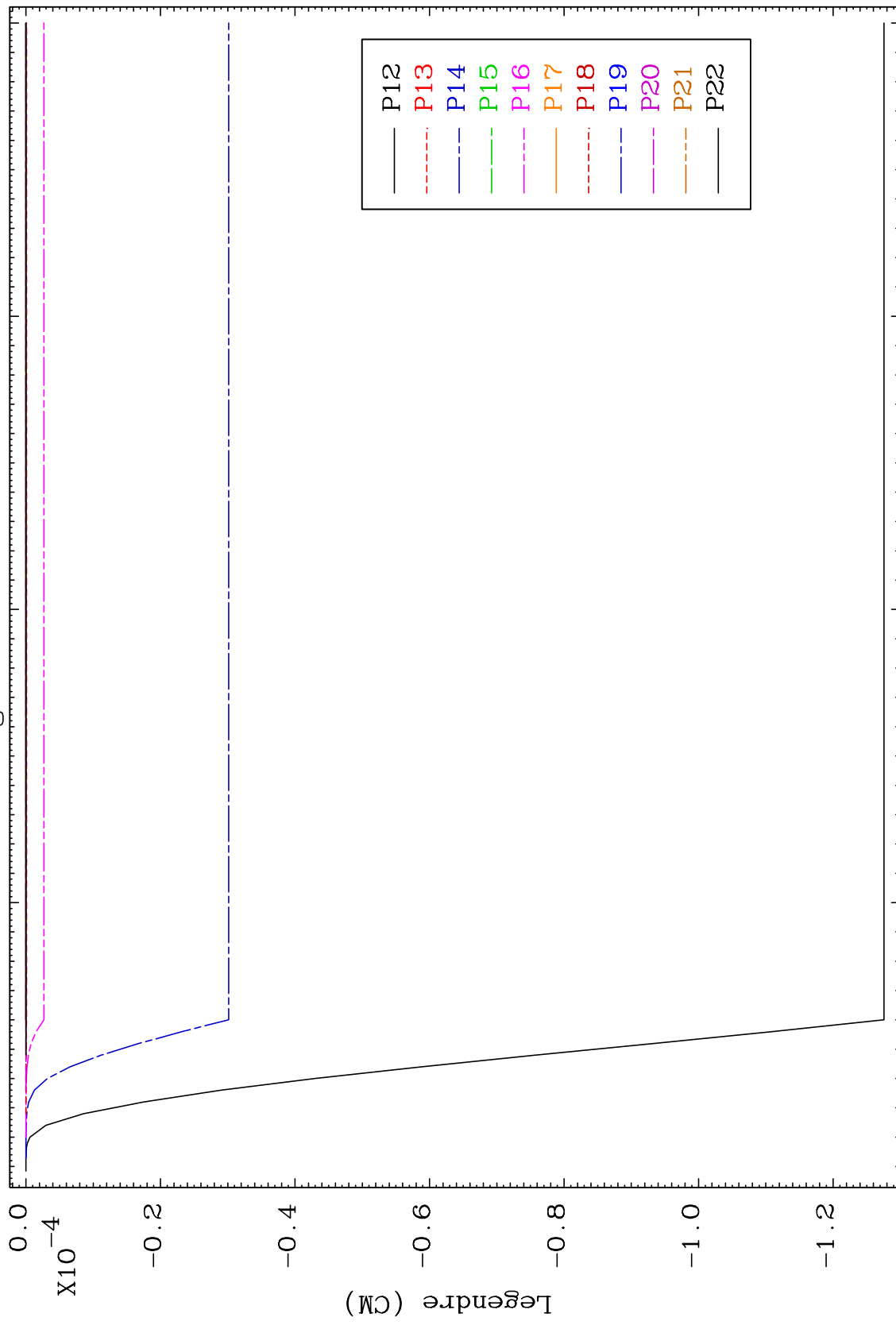


MAT 3910

MT= 68 (n,n') Level

Legendre Coefficients

39-Y -84



71

Incident Energy (MeV)

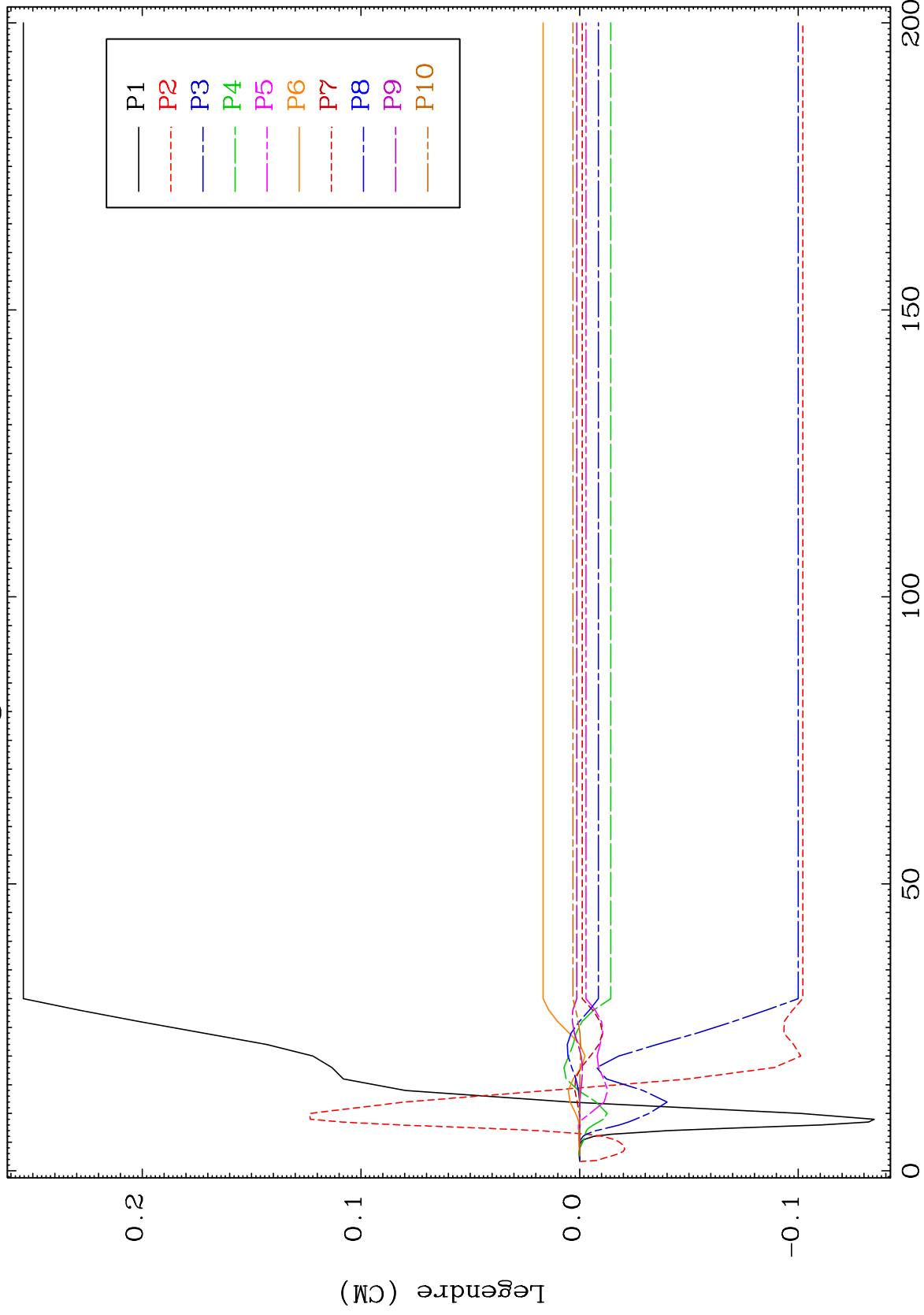
39-Y -84



MAT 3910

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

39-Y -84



72

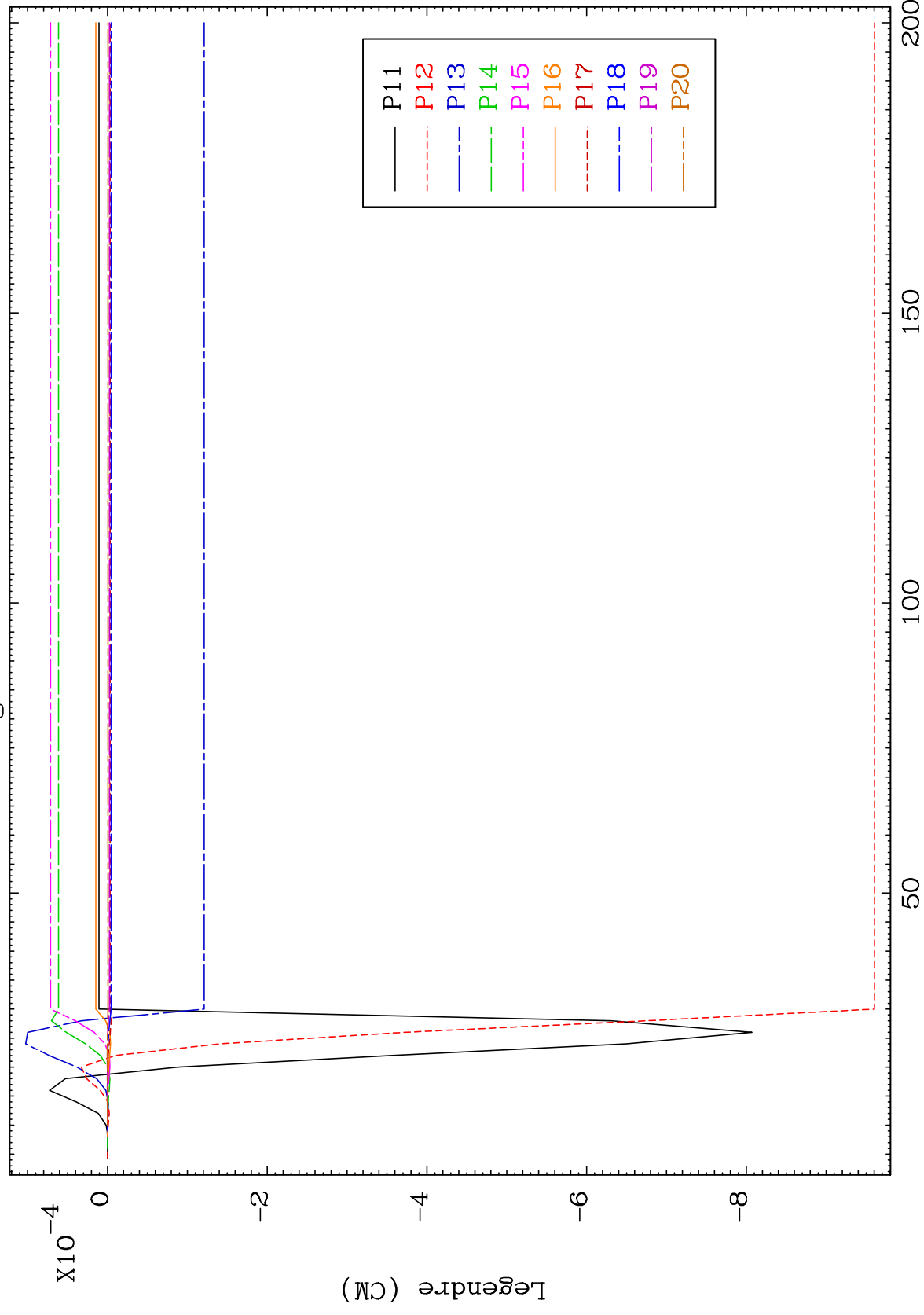
Incident Energy (MeV)

39-Y -84

MAT 3910

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

39-Y -84



73

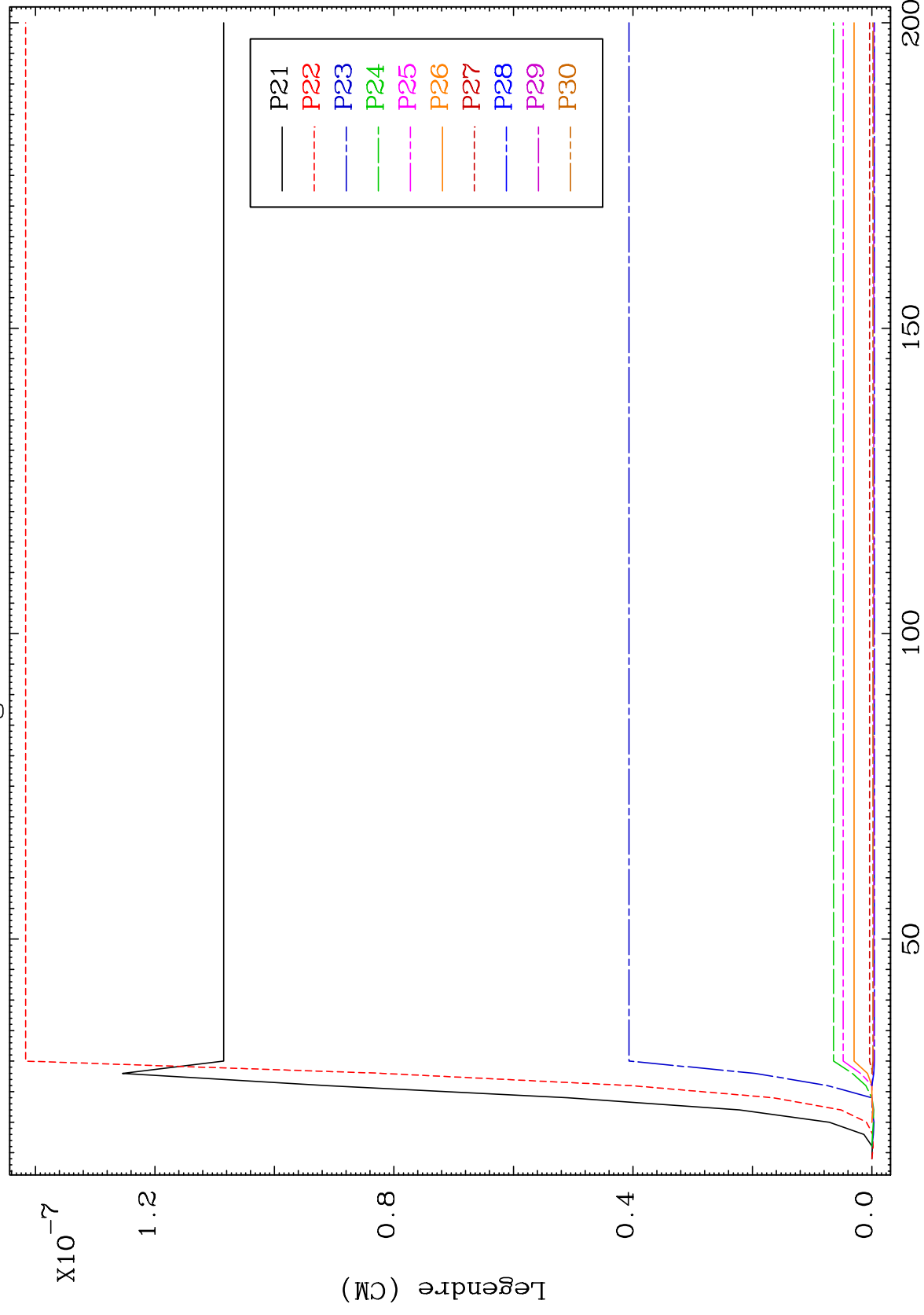
Incident Energy (MeV)

39-Y -84

MAT 3910

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

39-Y -84



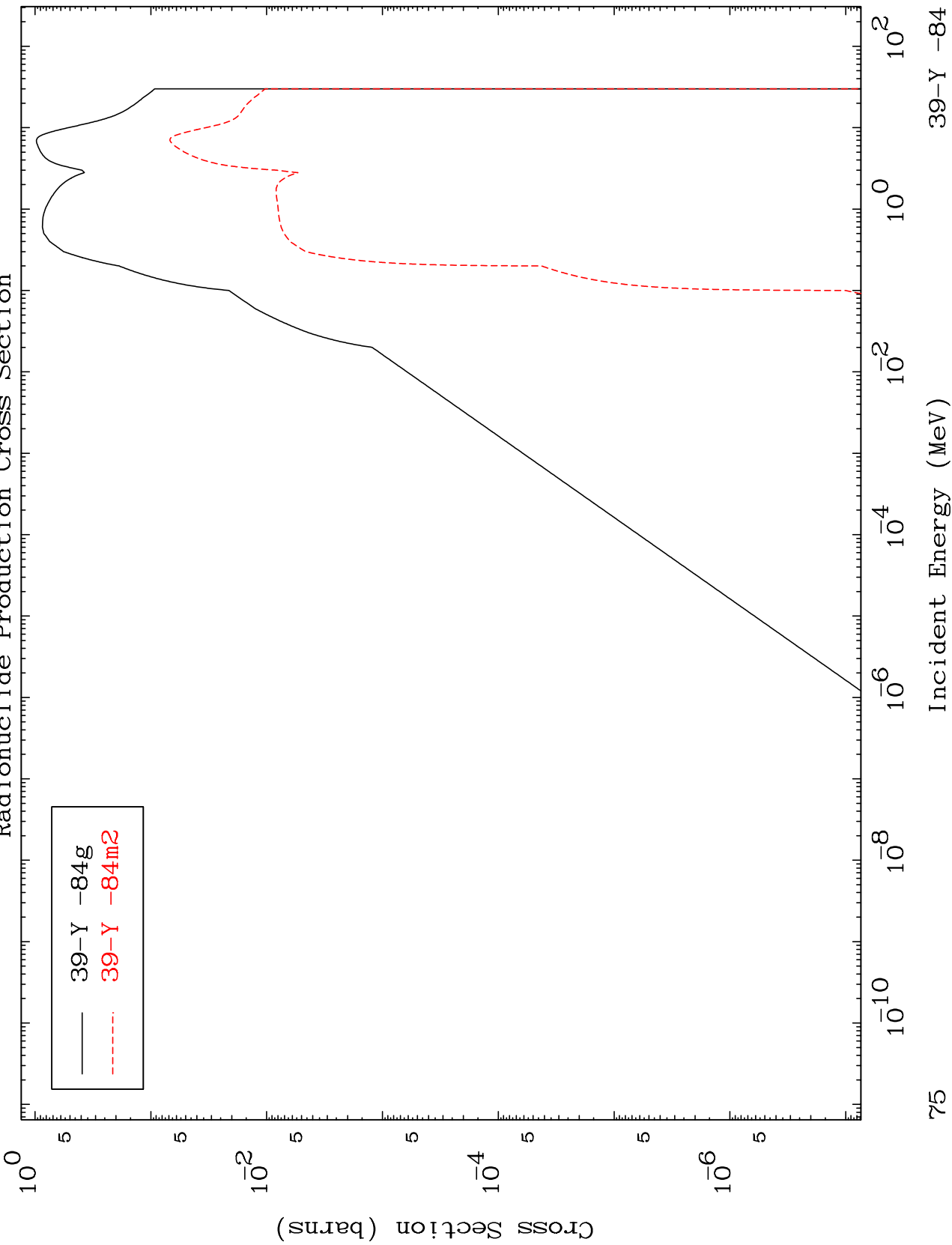
74

39-Y -84

MAT 3910

39-Y -84

Inelastic  
Radionuclide Production Cross Section



75

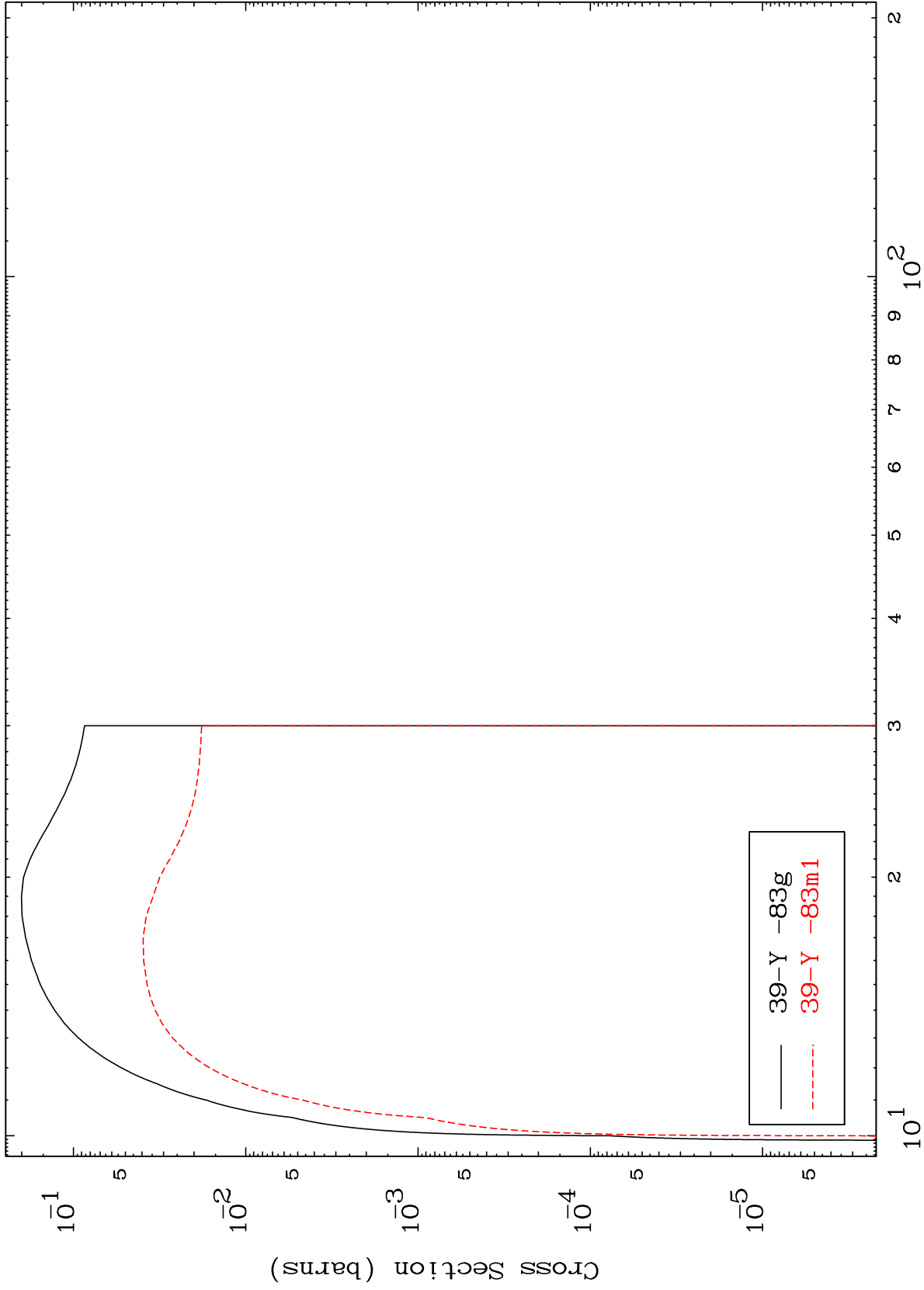
39-Y -84

MAT 3910

(n,2n)

39-Y -84

Radionuclide Production Cross Section



76

Incident Energy (MeV)

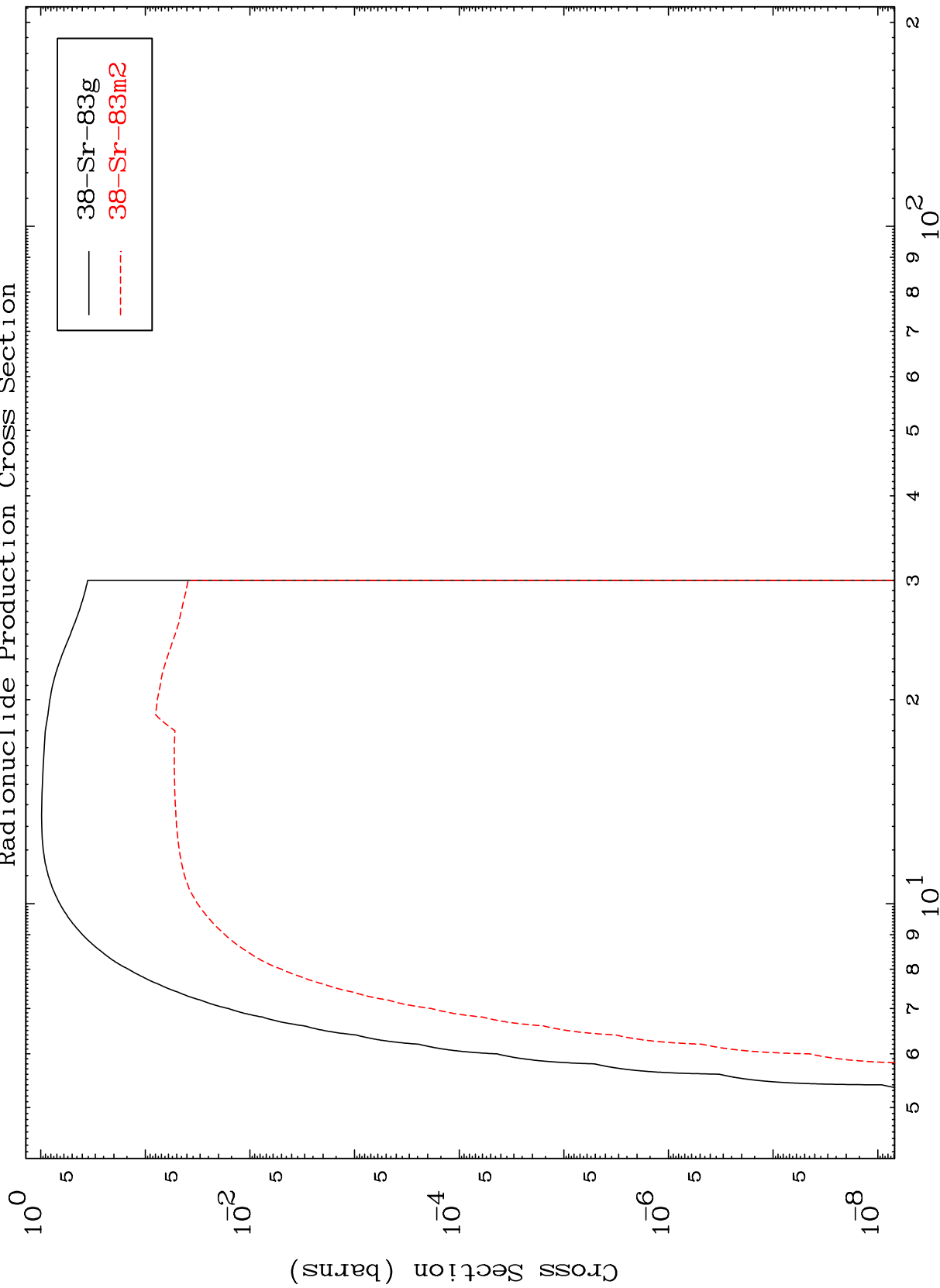
39-Y -84

MAT 3910

(n,n') p

39-Y -84

Radionuclide Production Cross Section



— 38-Sr-83g  
- - - 38-Sr-83m2

77

Incident Energy (MeV)

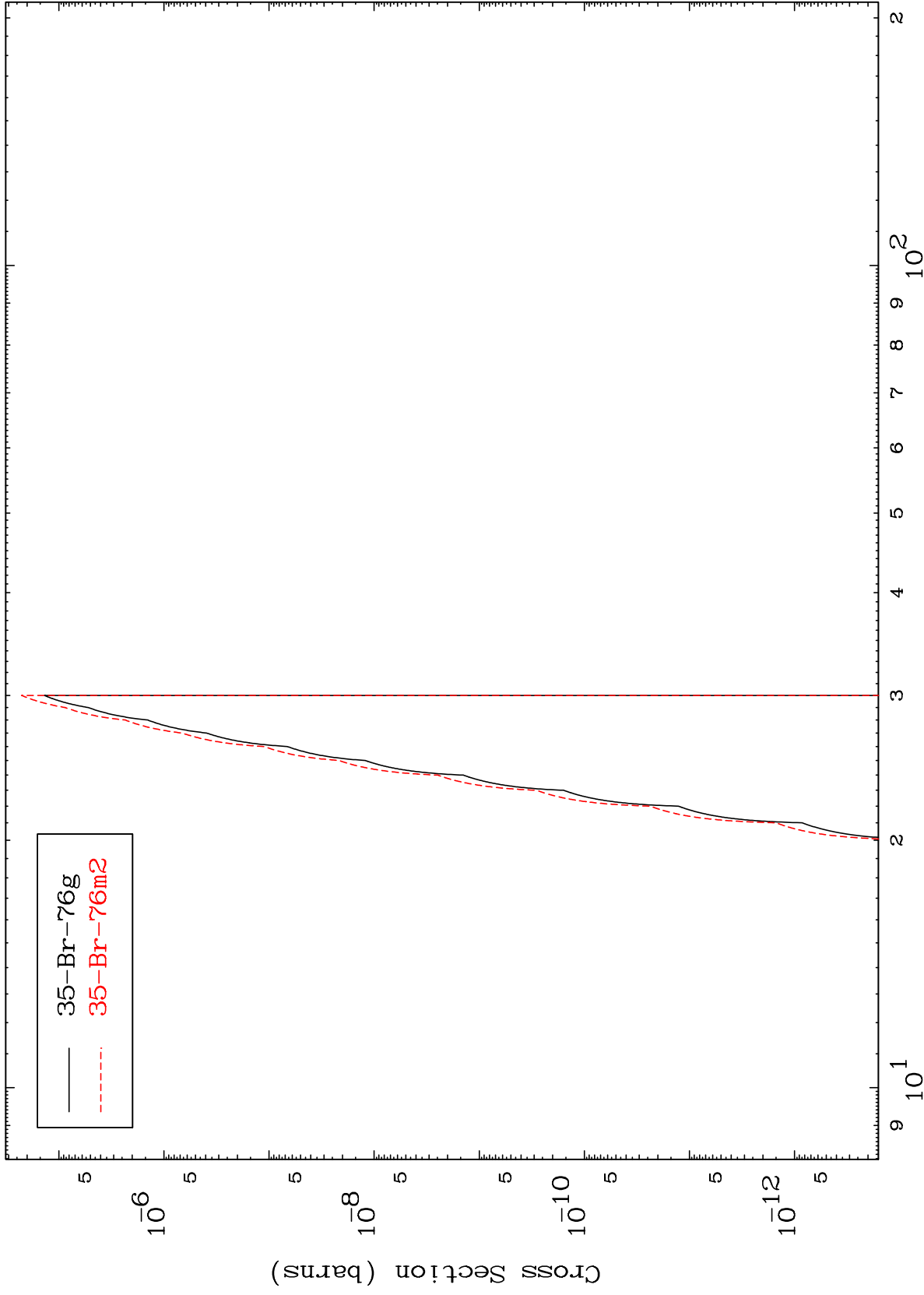
39-Y -84

MAT 3910

(n,n') 2α

39-Y -84

Radionuclide Production Cross Section

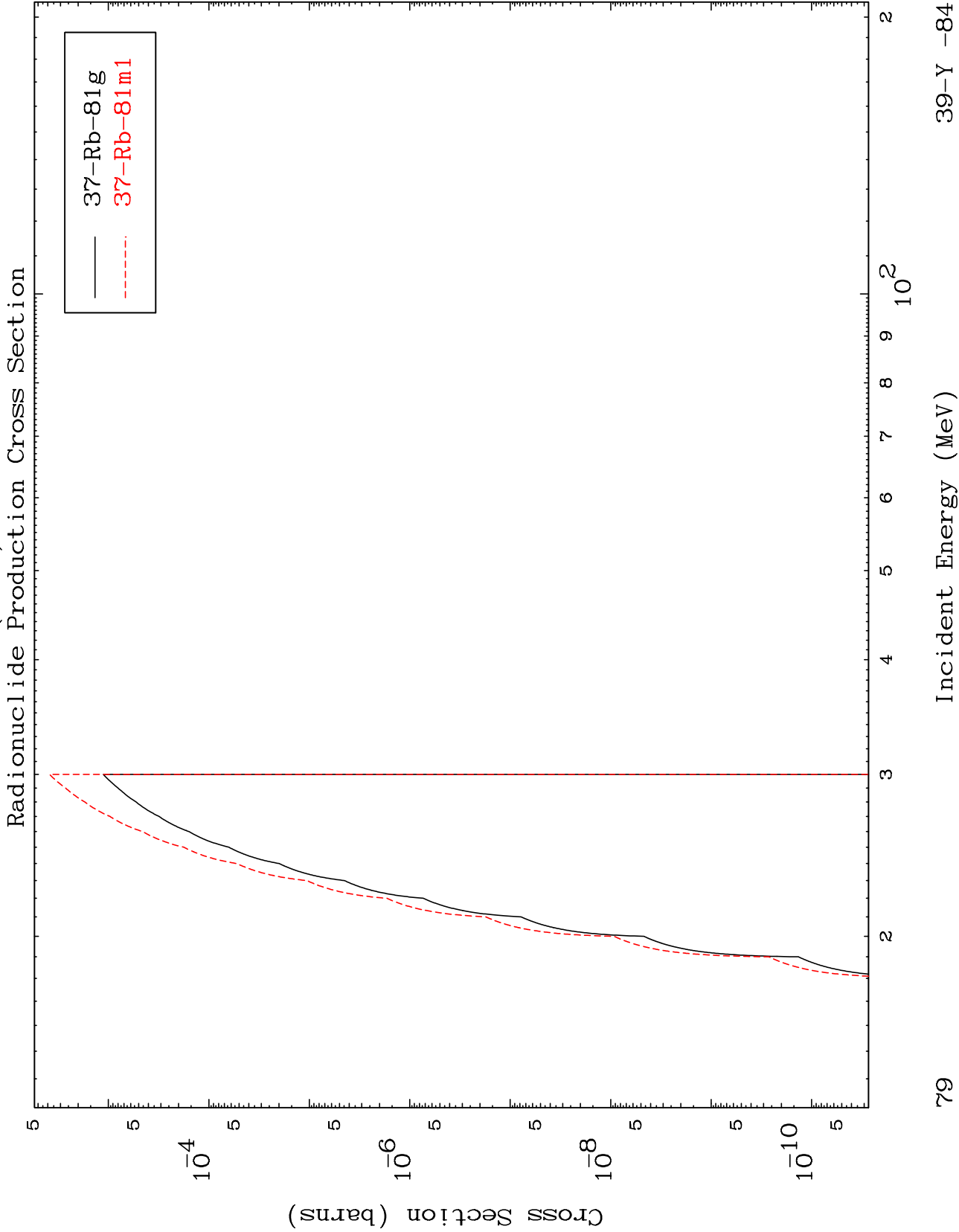


35-Br-76g  
35-Br-76m2

78

Incident Energy (MeV)

39-Y -84



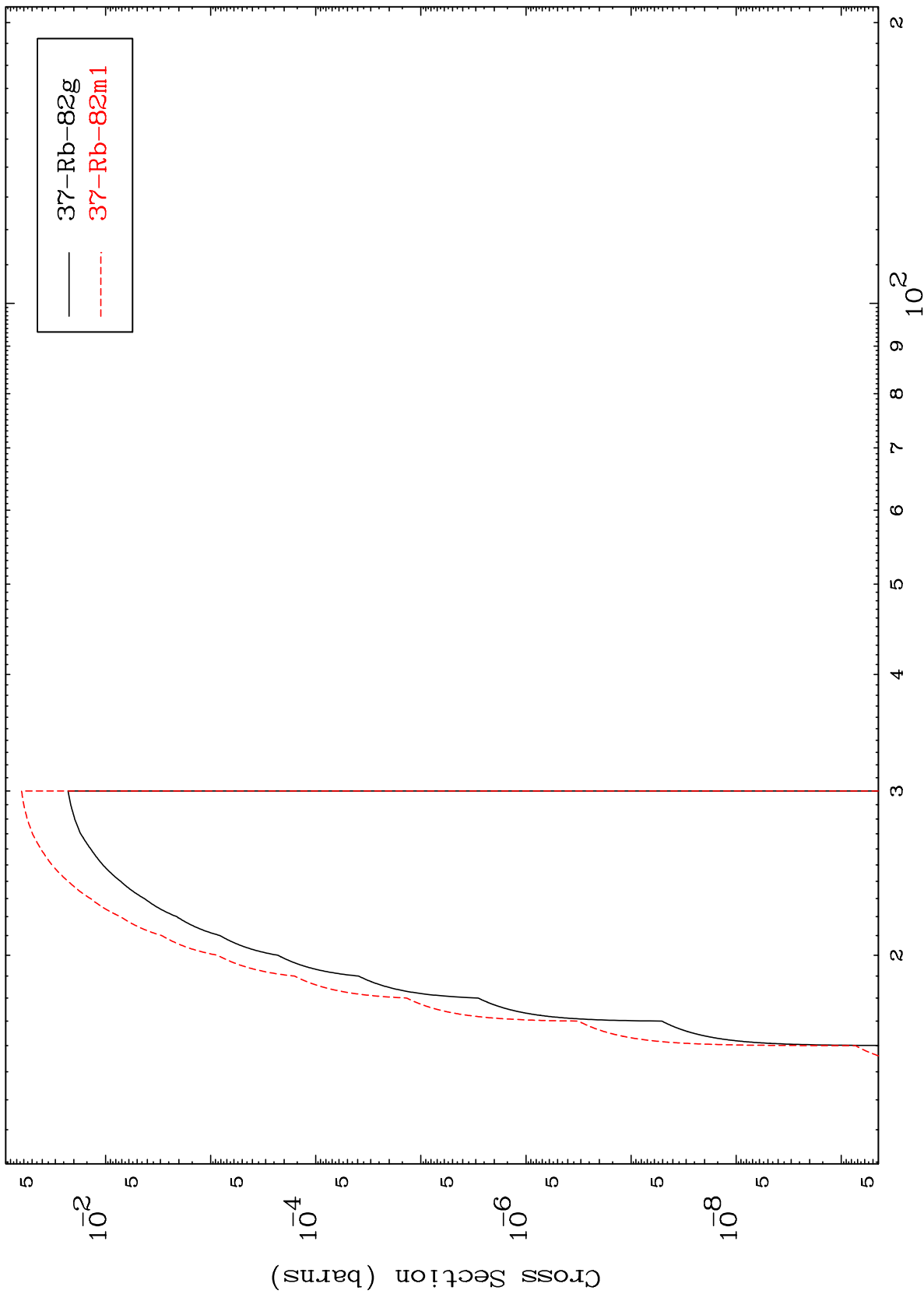


MAT 3910

(n,2n) p

39-Y -84

Radionuclide Production Cross Section



80

Incident Energy (MeV)

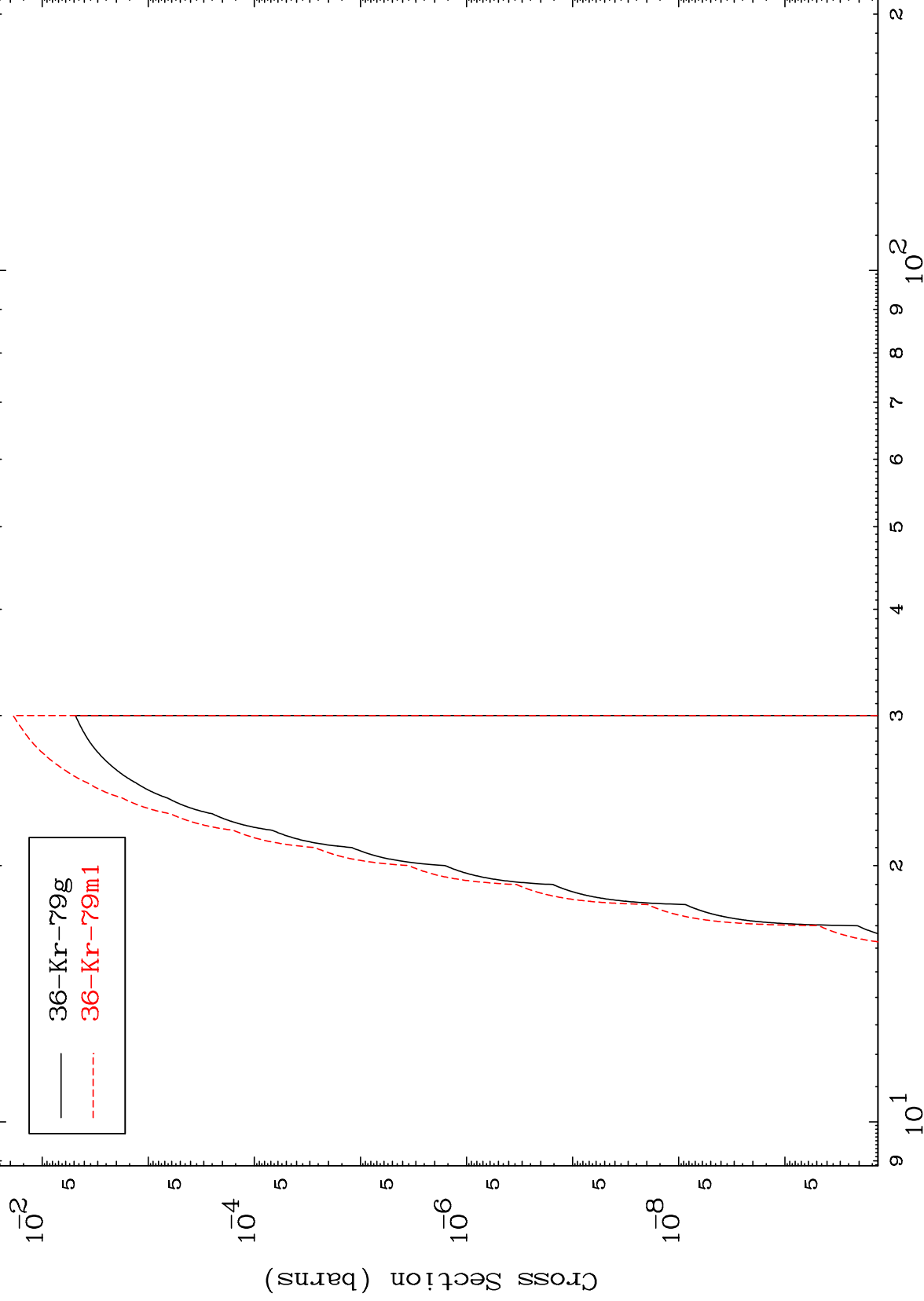
39-Y -84

MAT 3910

(n,n') p  $\alpha$

39-Y -84

Radionuclide Production Cross Section



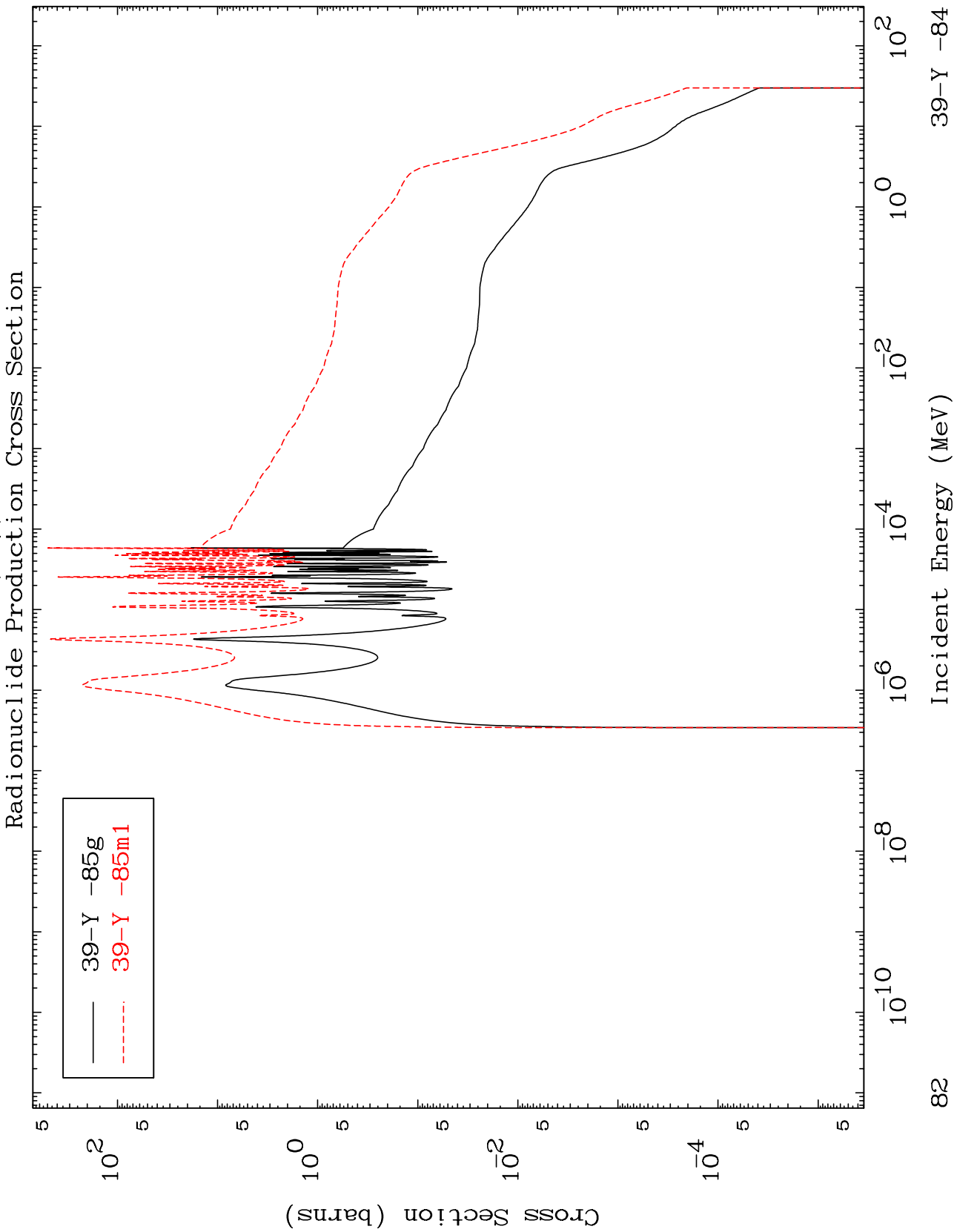
81

Incident Energy (MeV)

39-Y -84

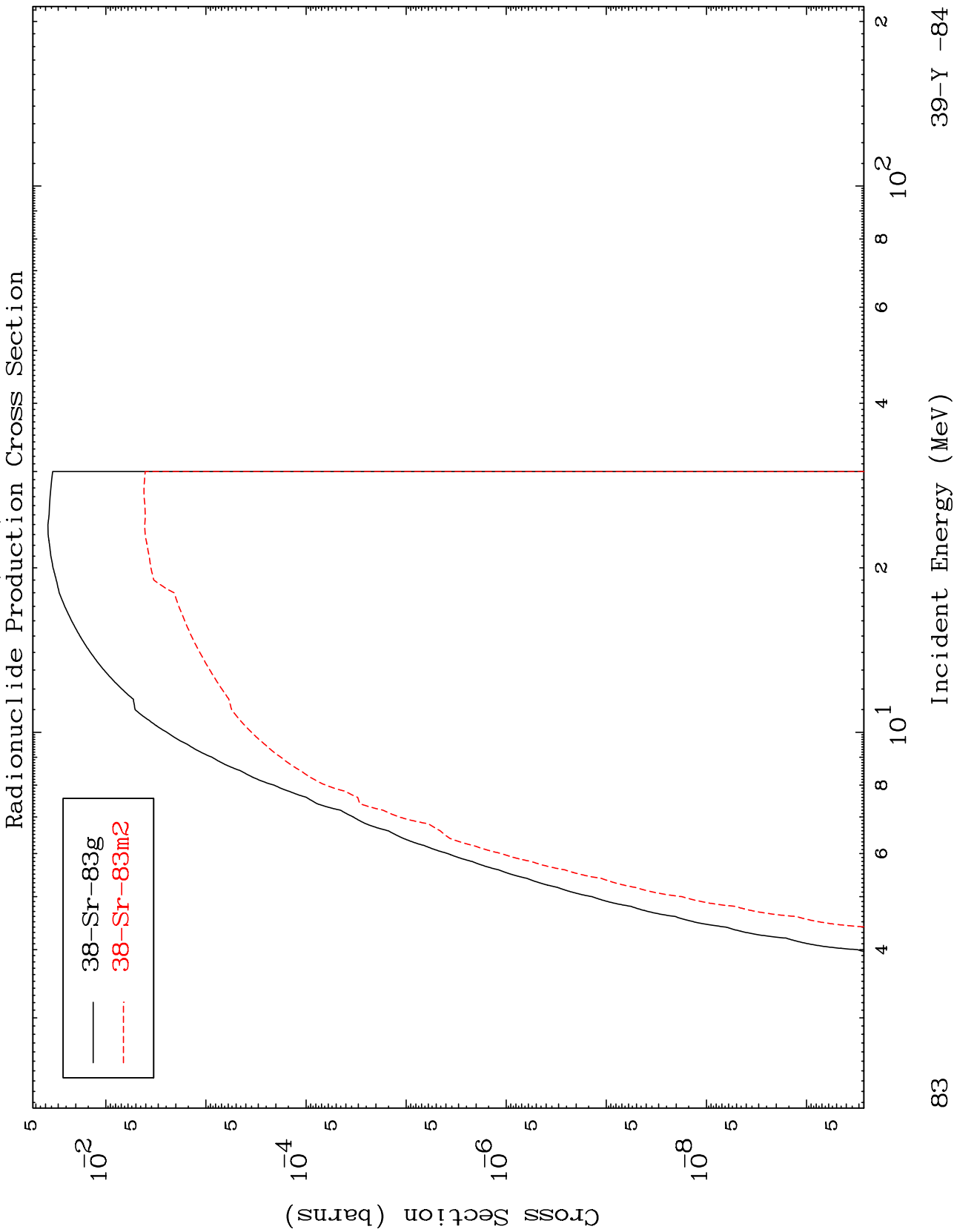
MAT 3910

39-Y -84



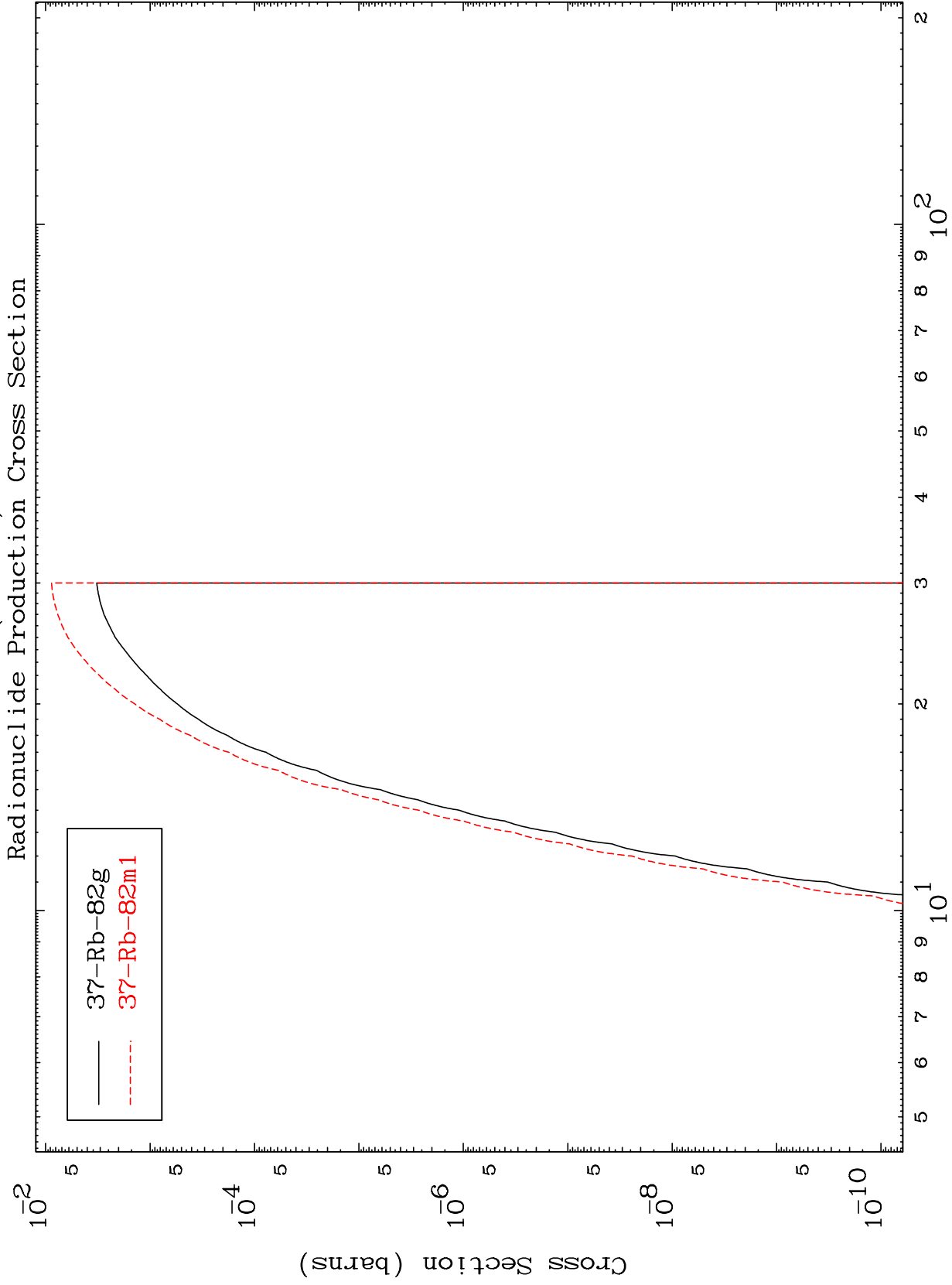
MAT 3910

39-Y -84



83

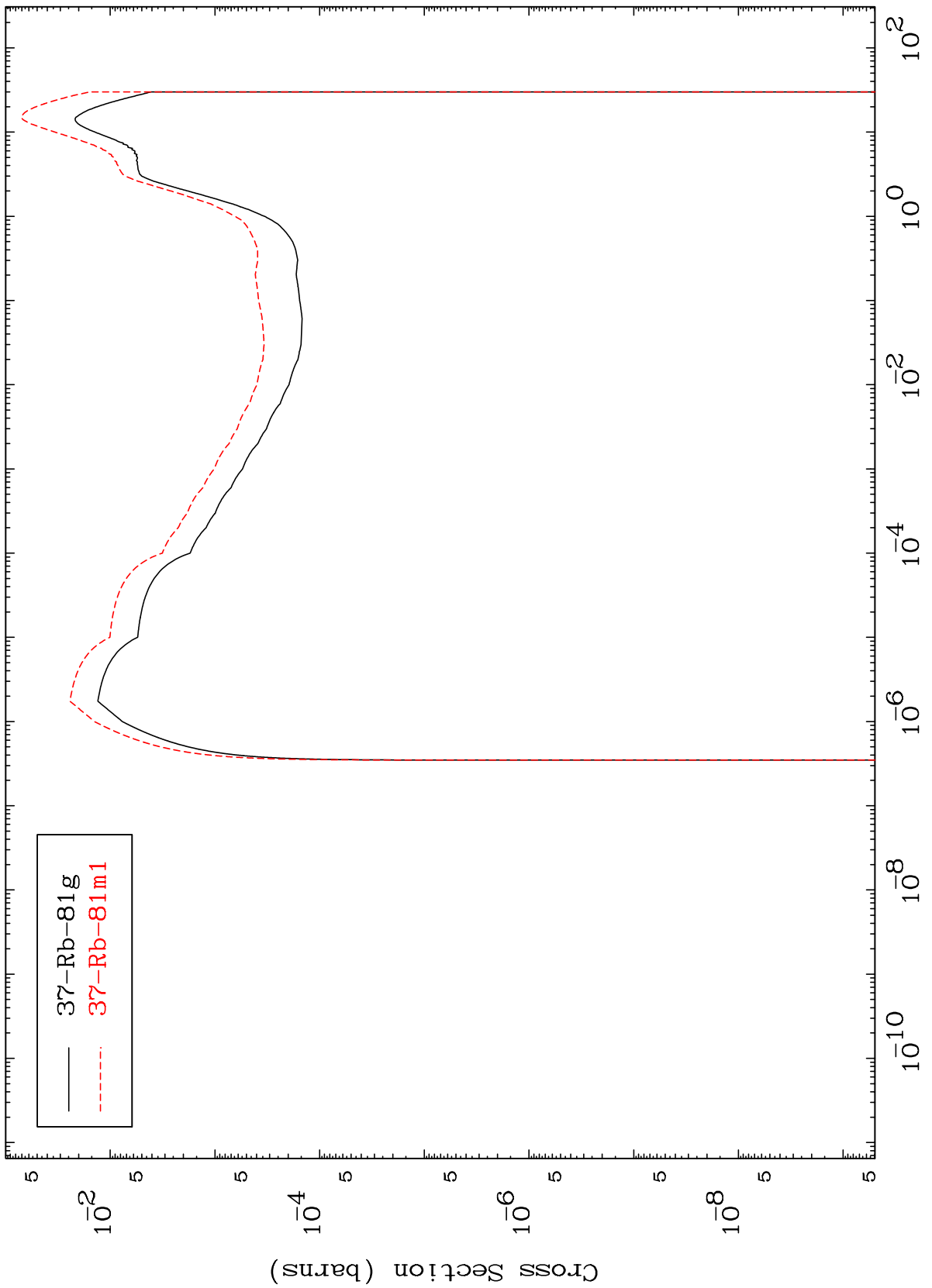
39-Y -84



MAT 3910

39-Y -84

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



— 37-Rb-81g  
- - - 37-Rb-81m1

85

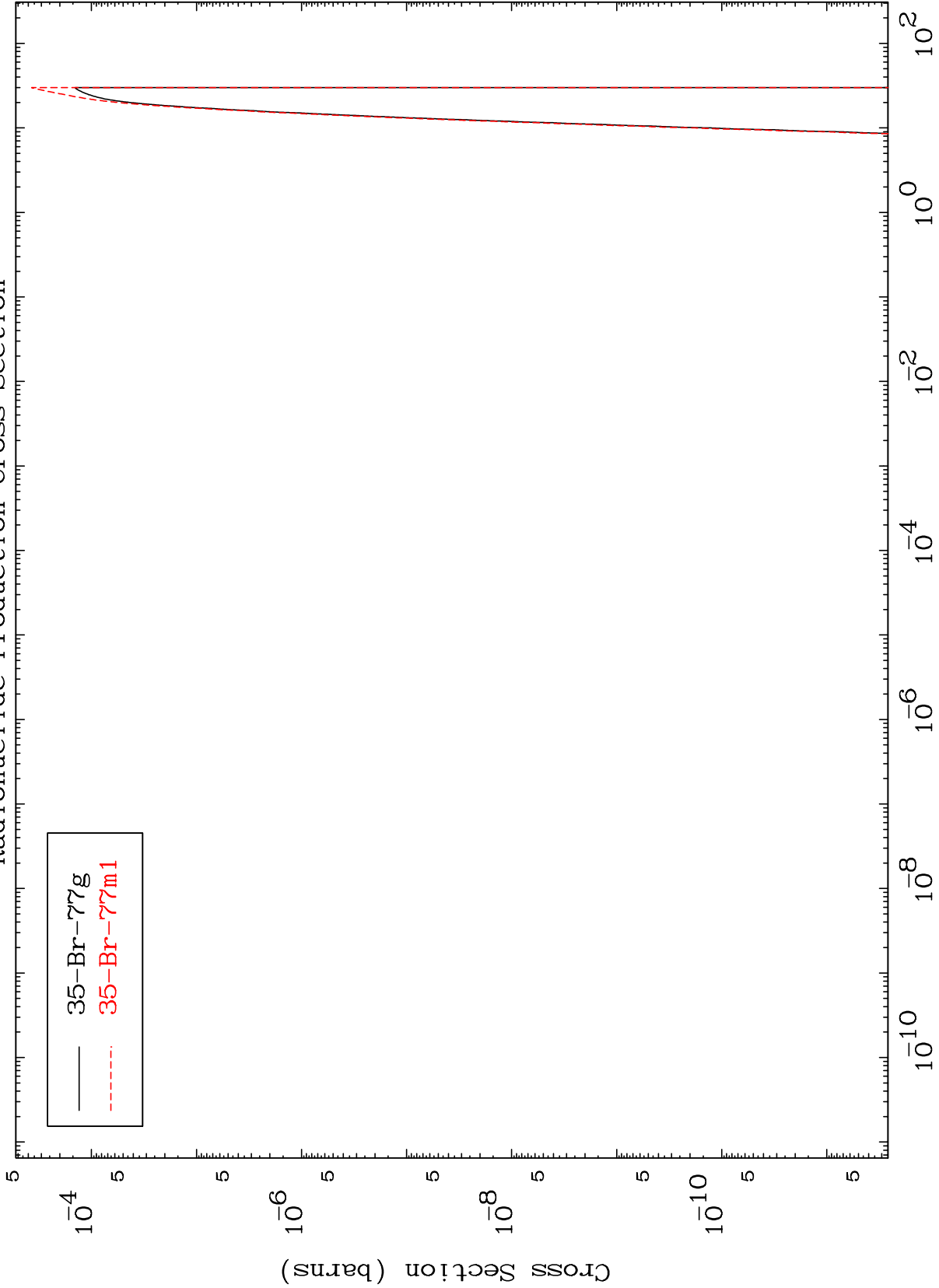
39-Y -84

MAT 3910

(n,2α)

39-Y -84

Radionuclide Production Cross Section



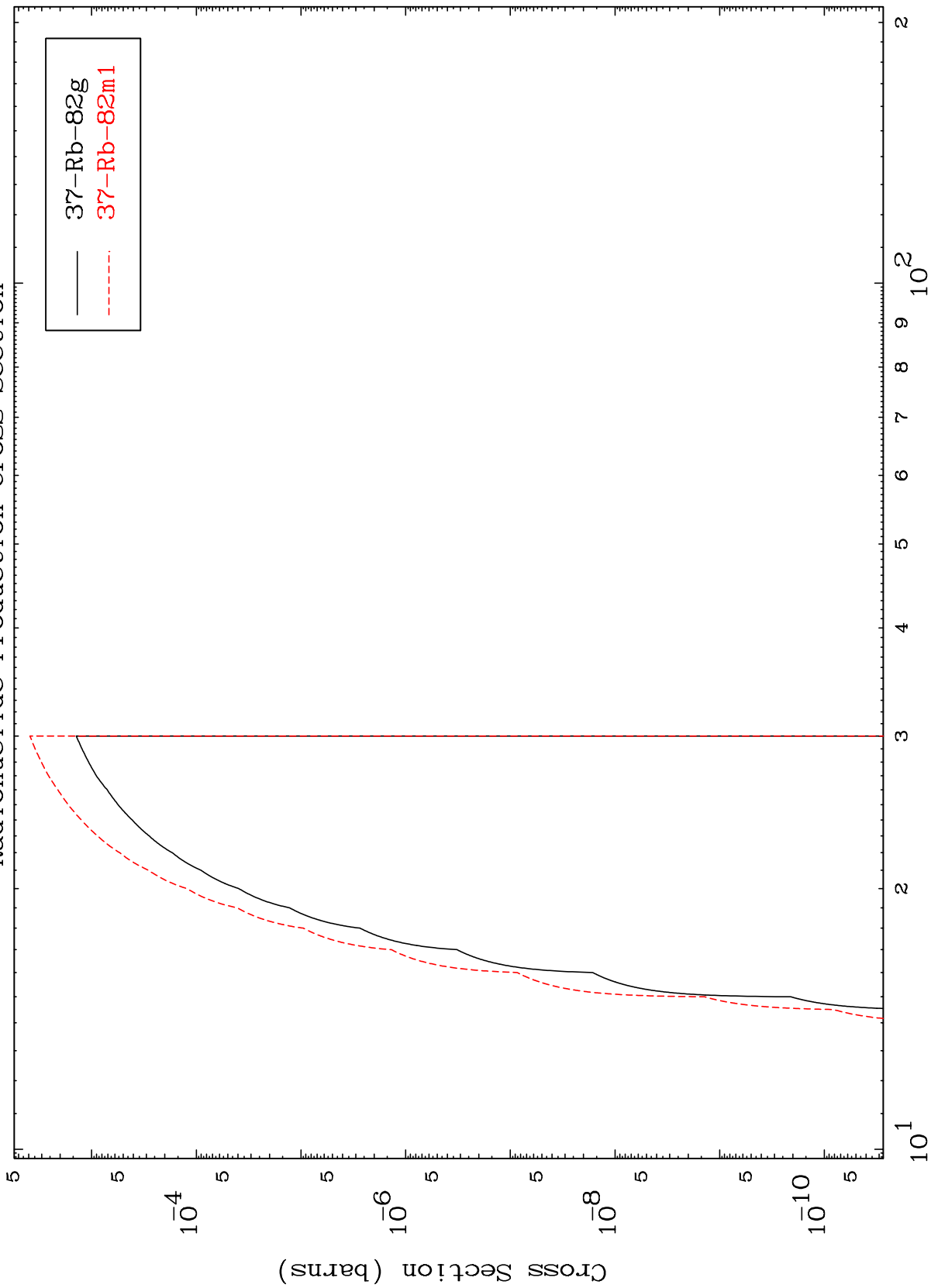
— 35-Br-77g  
- - - 35-Br-77m1

MAT 3910

(n,p) d

39-Y -84

Radionuclide Production Cross Section

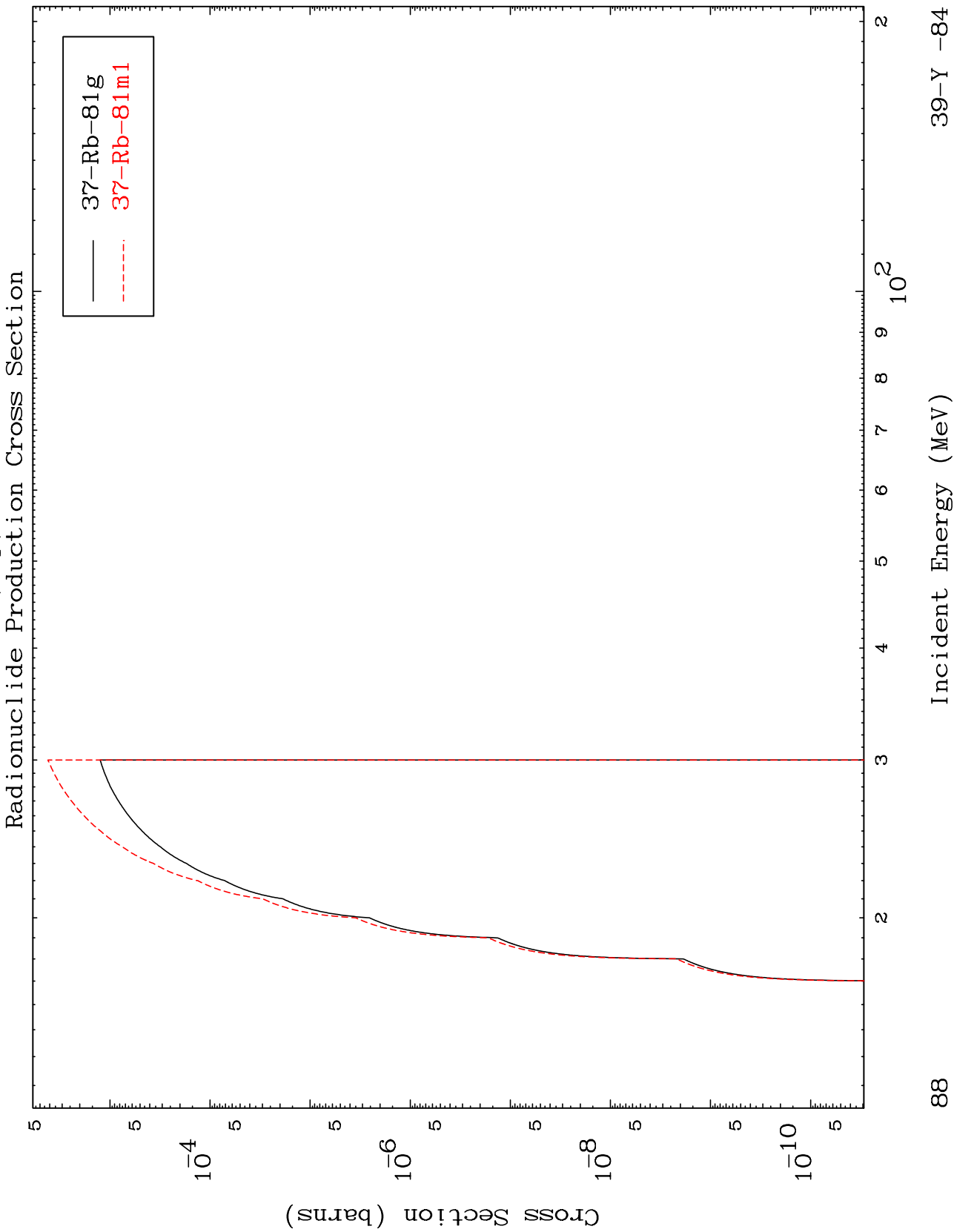


Incident Energy (MeV)

39-Y -84

87



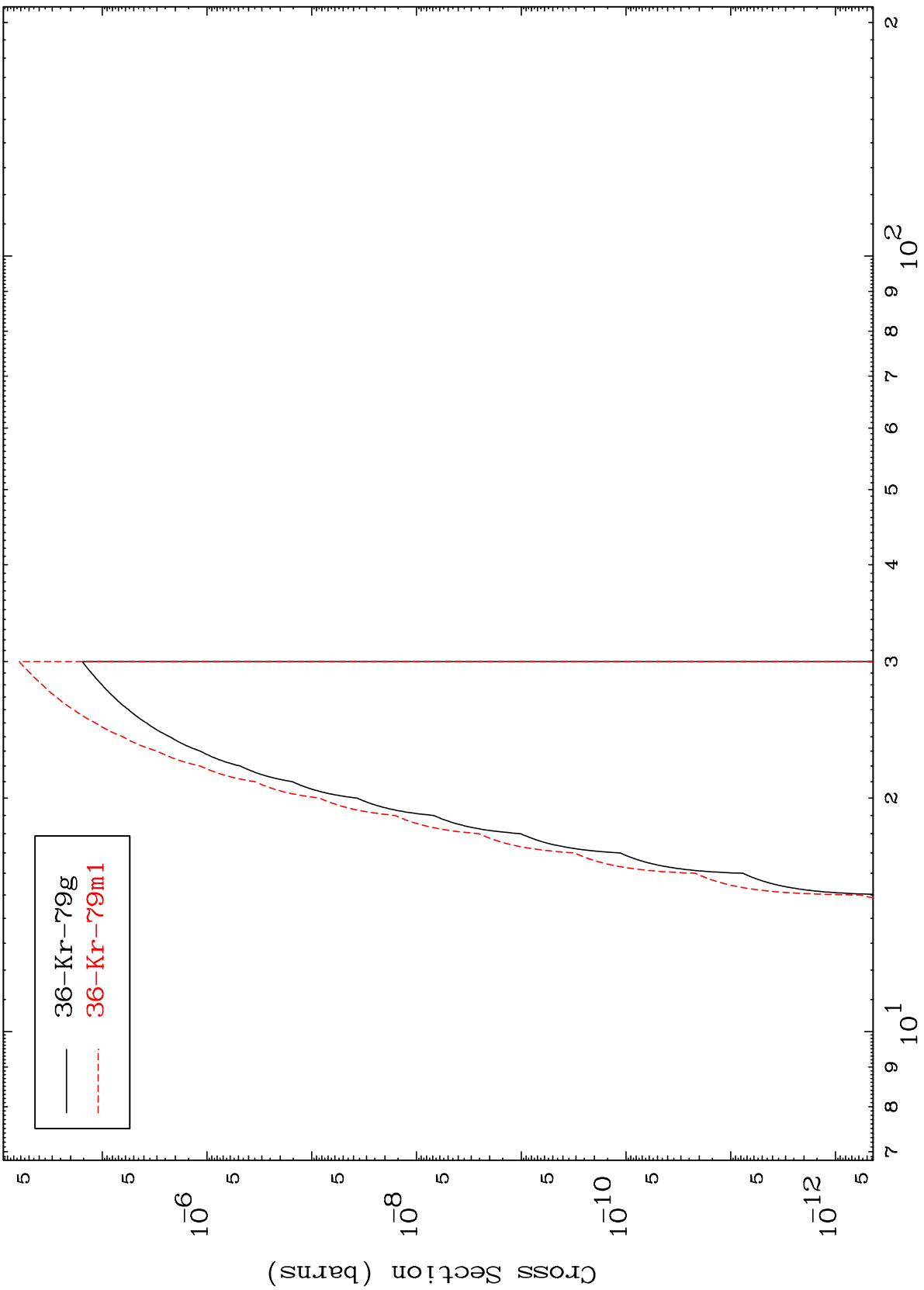


MAT 3910

(n,d)  $\alpha$

39-Y -84

Radionuclide Production Cross Section



89

Incident Energy (MeV)

39-Y -84