

Program EVALPLOT  
(Version 2021-1)

by

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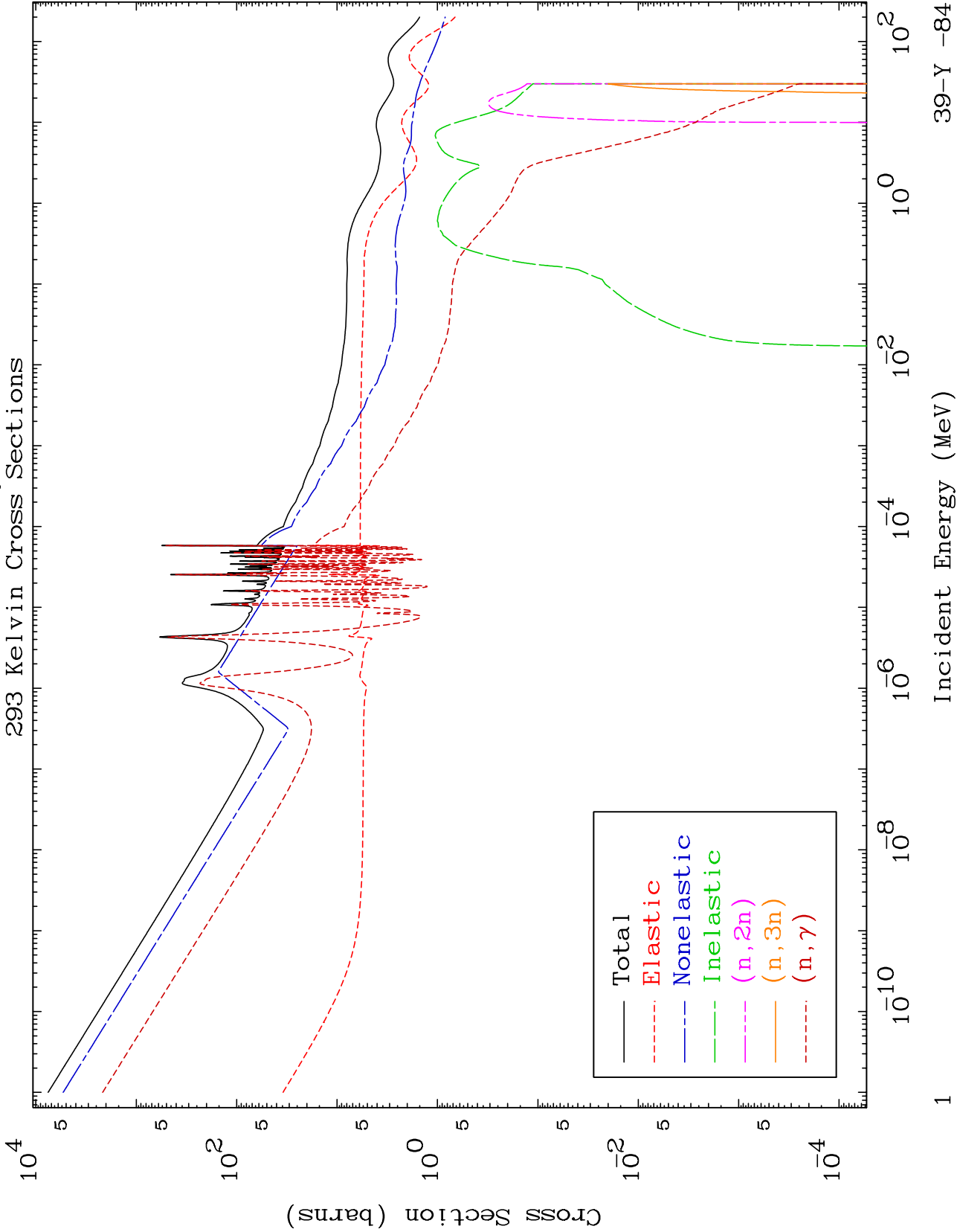
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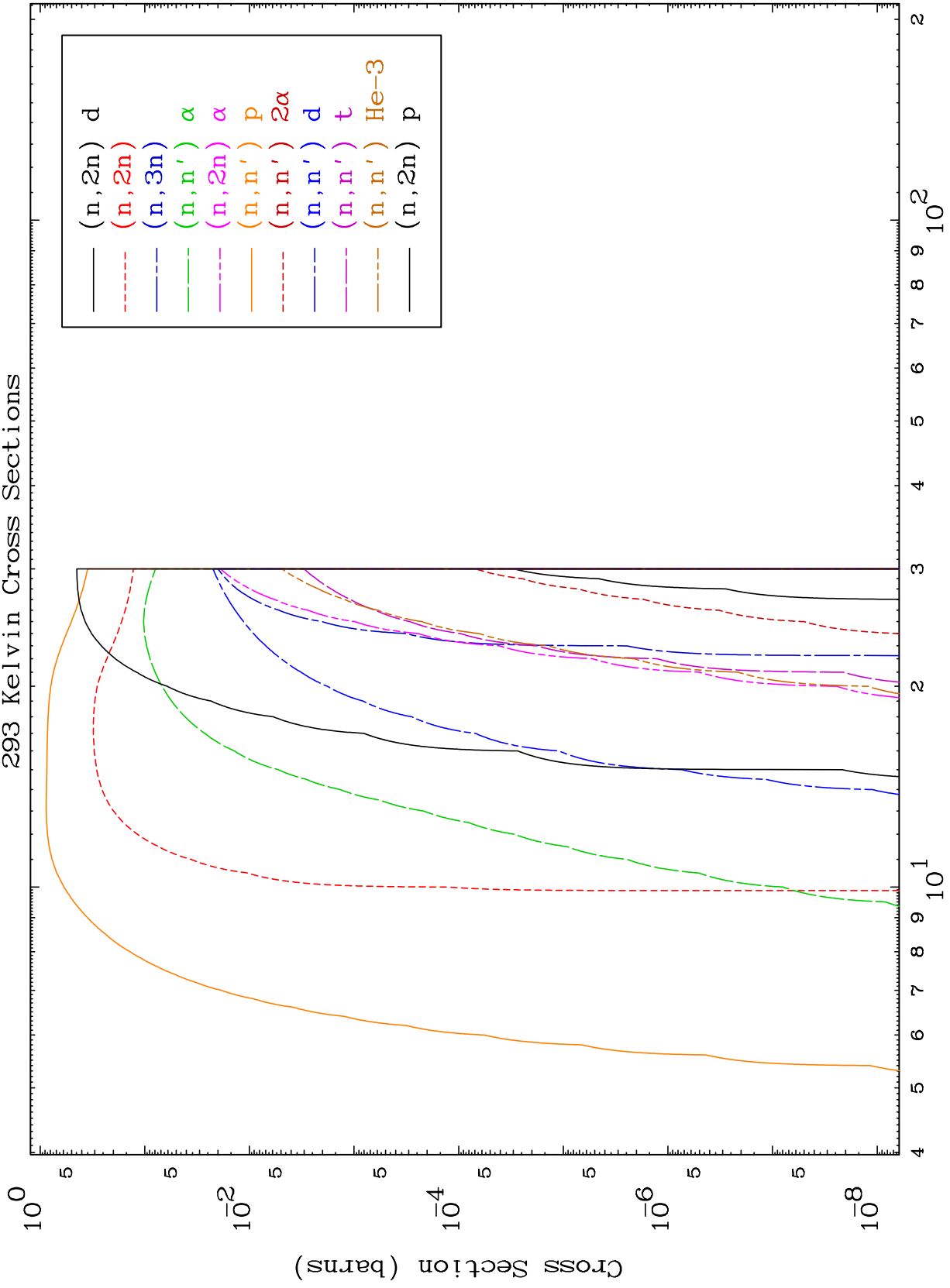
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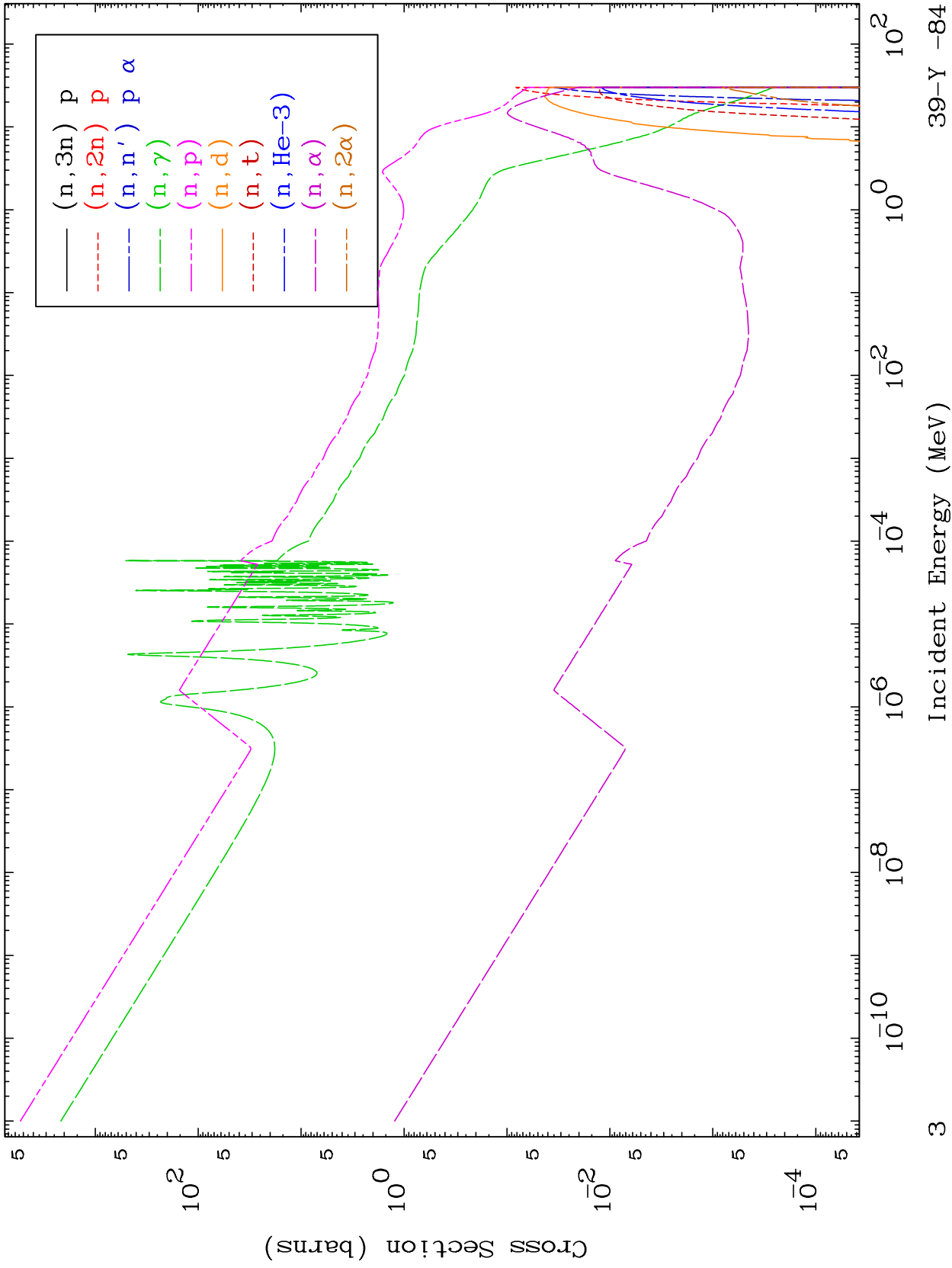
MAT 3910

Neutron Major  
293 Kelvin Cross Sections

39-Y -84



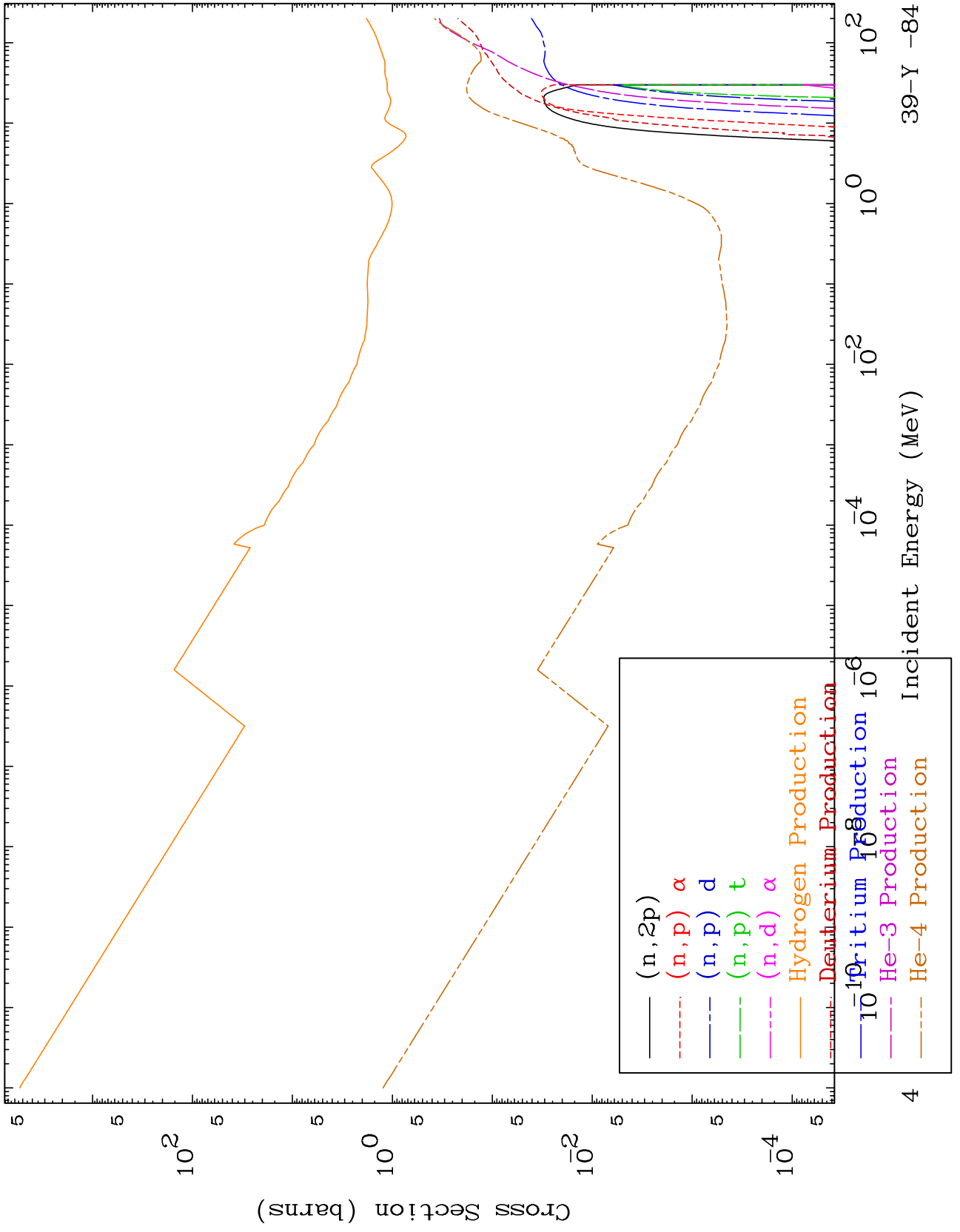




MAT 3910

### Neutron Absorption 293 Kelvin Cross Sections

39-Y -84



4

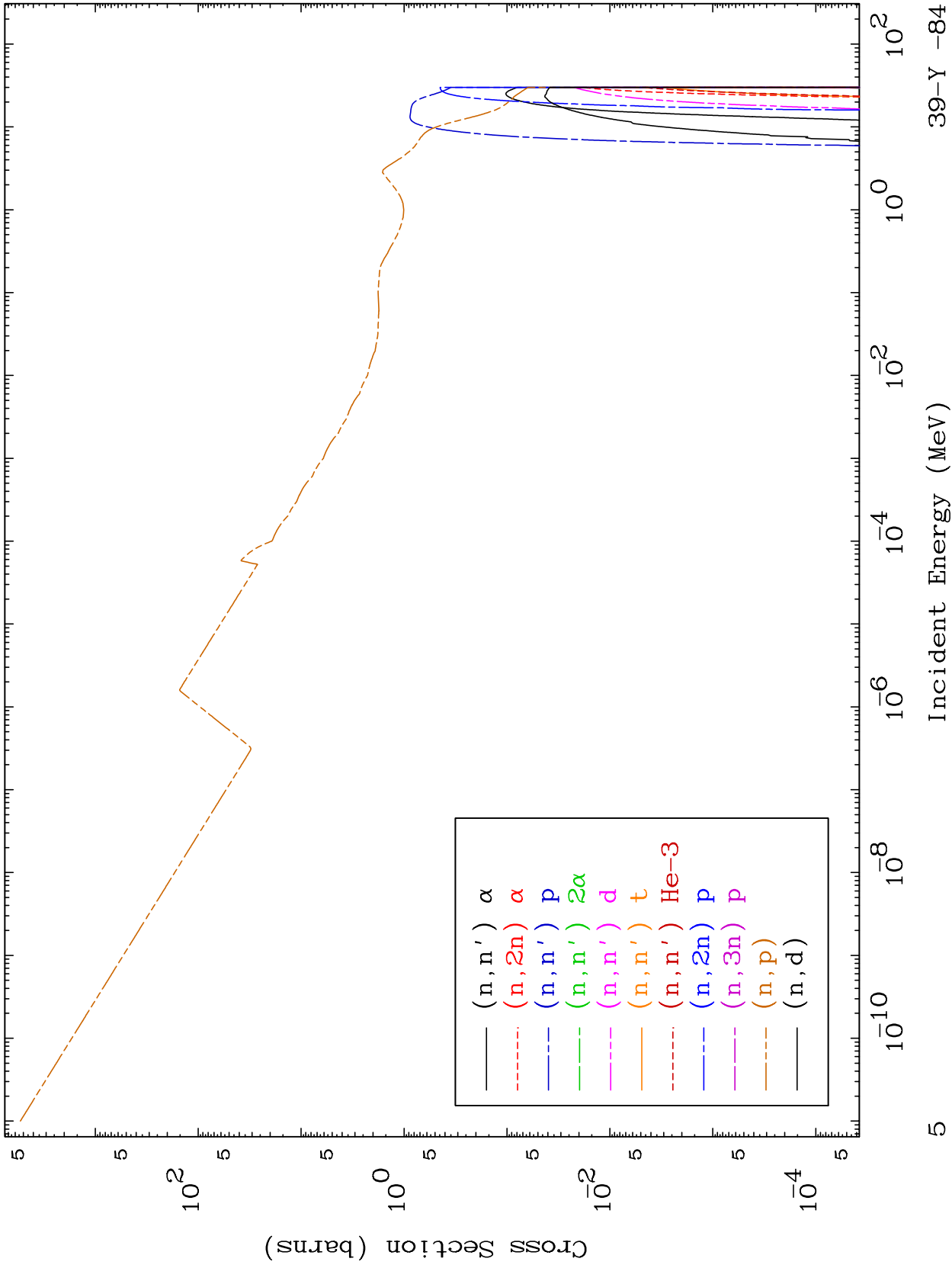
Incident Energy (MeV)

39-Y -84

MAT 3910

Charged Particle  
293 Kelvin Cross Sections

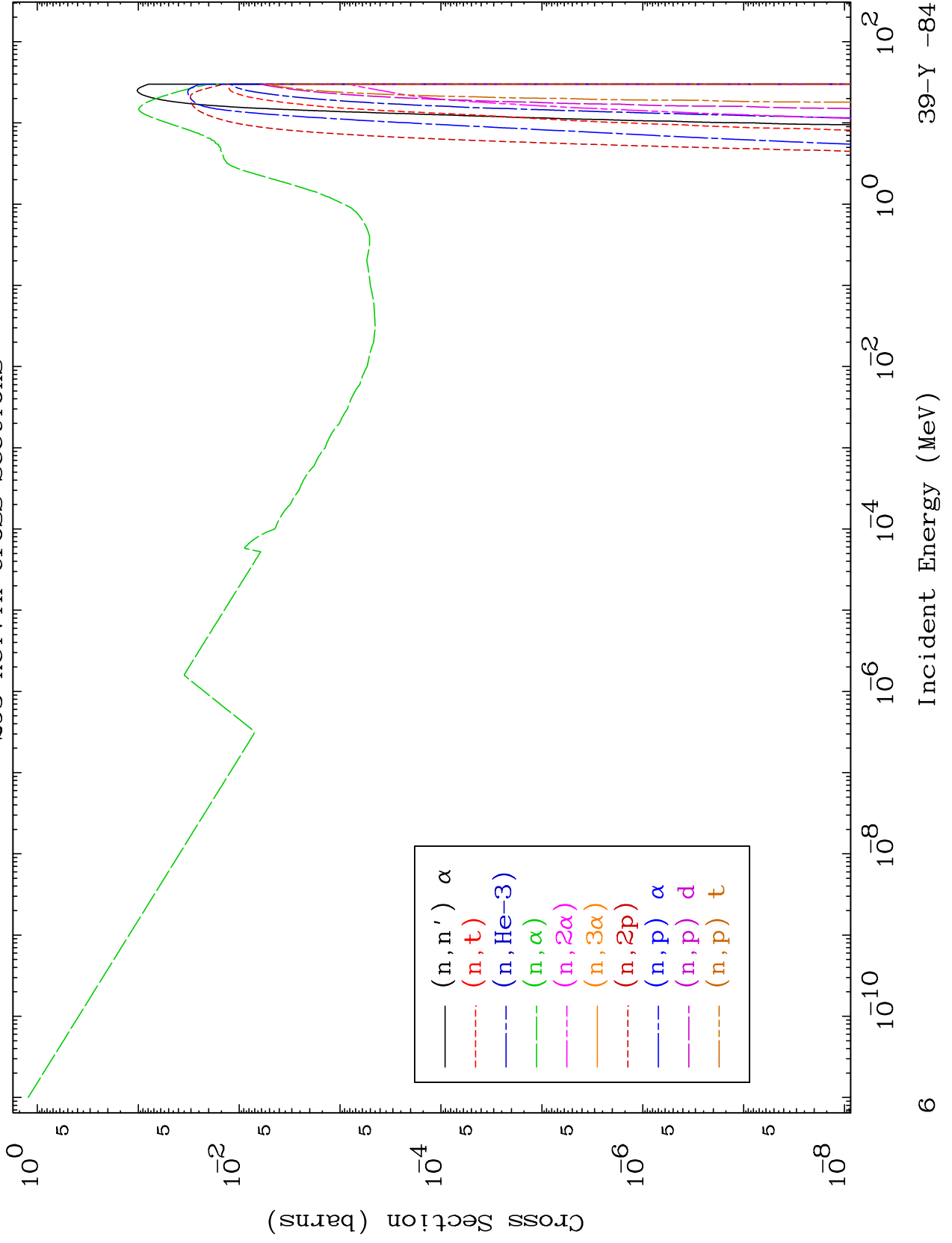
39-Y -84



MAT 3910

Charged Particle  
293 Kelvin Cross Sections

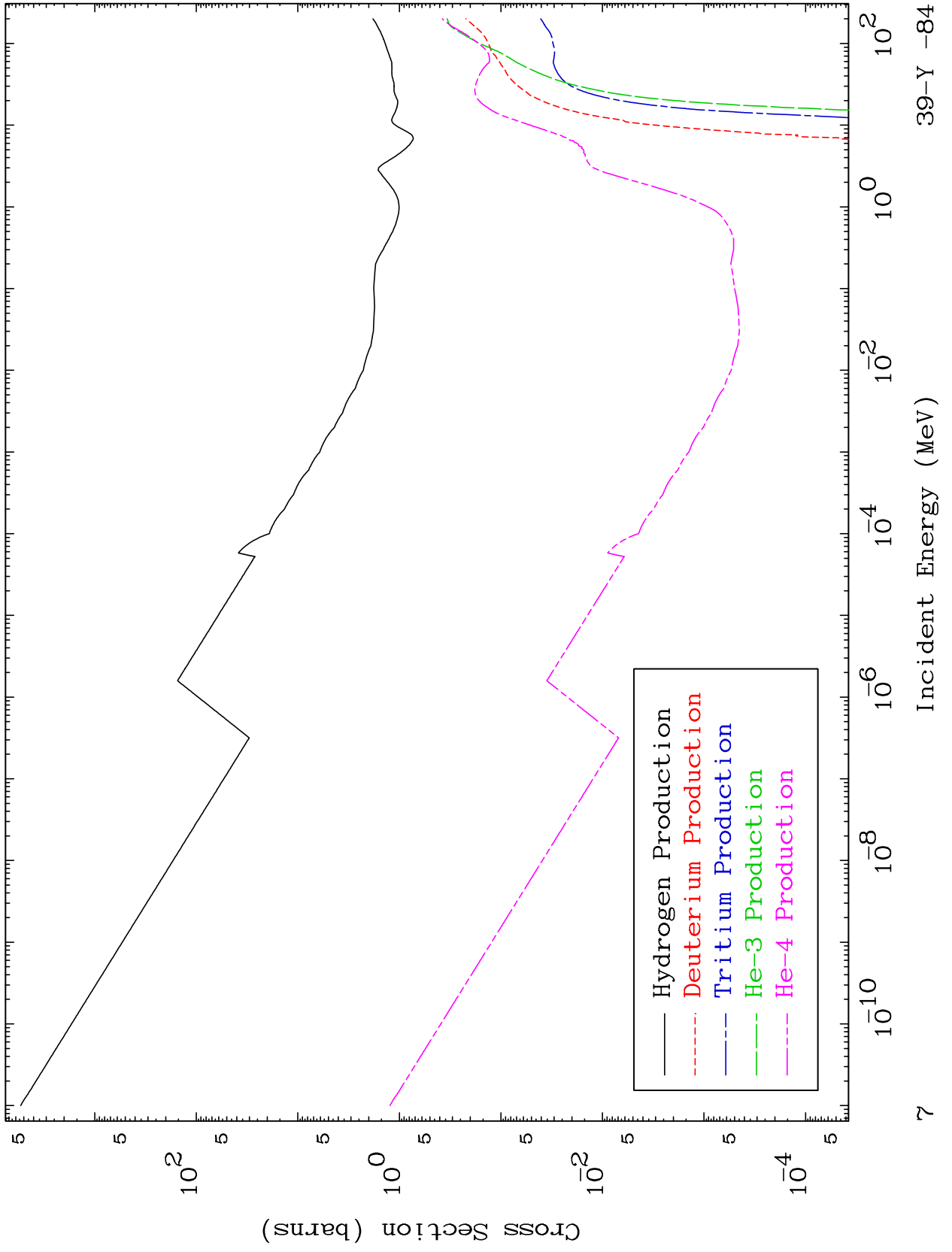
39-Y -84



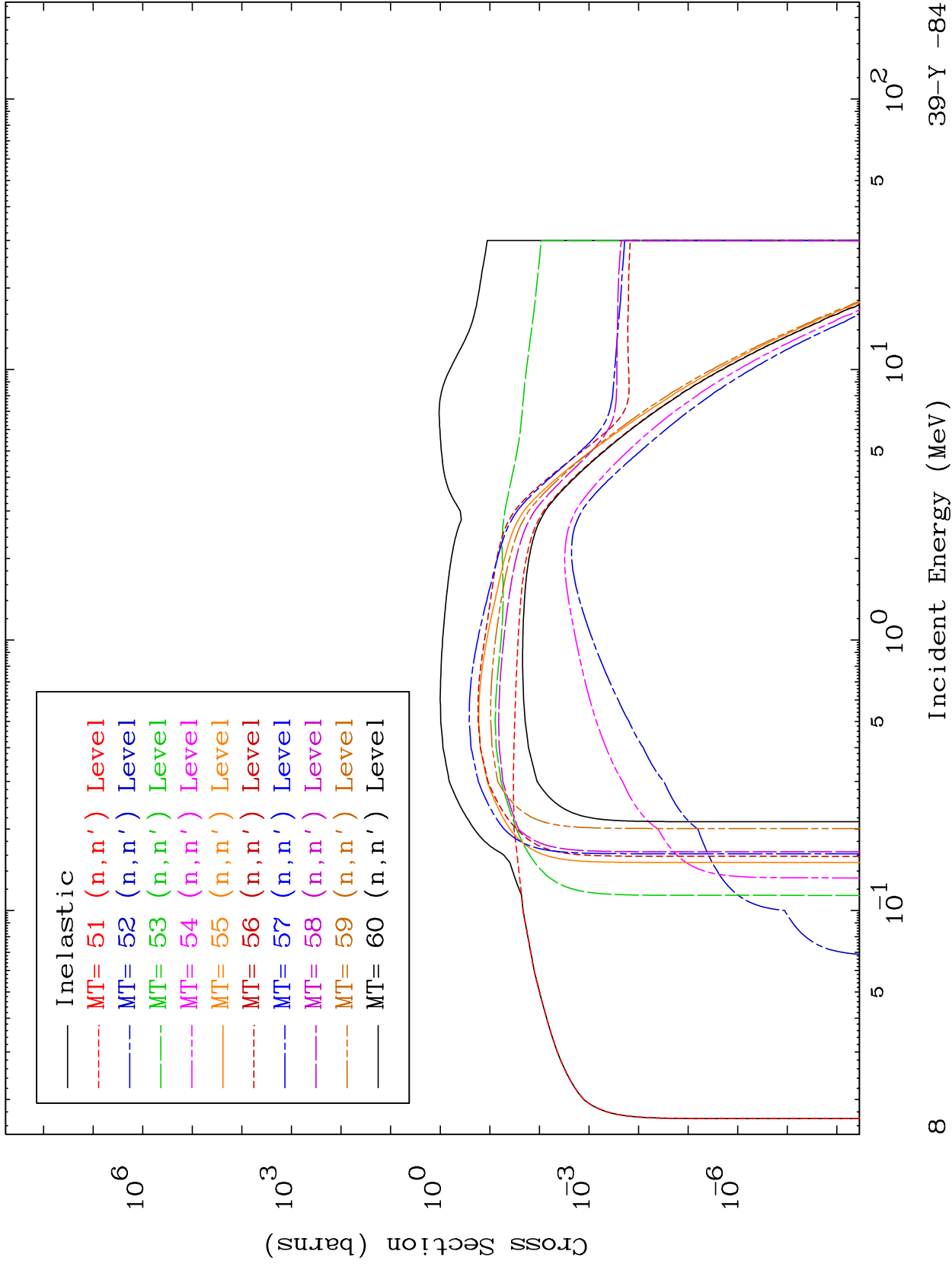
MAT 3910

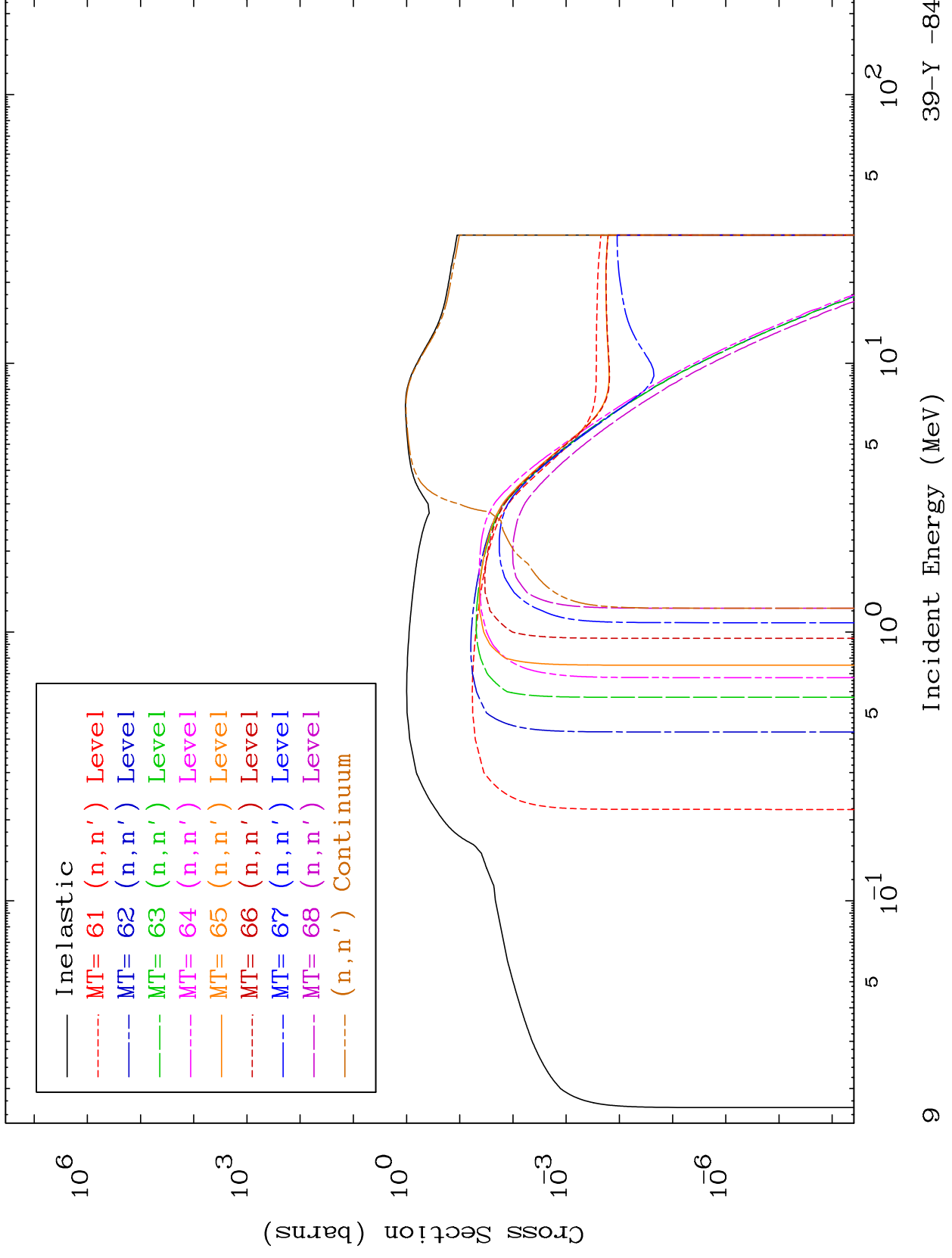
Particle Production  
293 Kelvin Cross Sections

39-Y -84





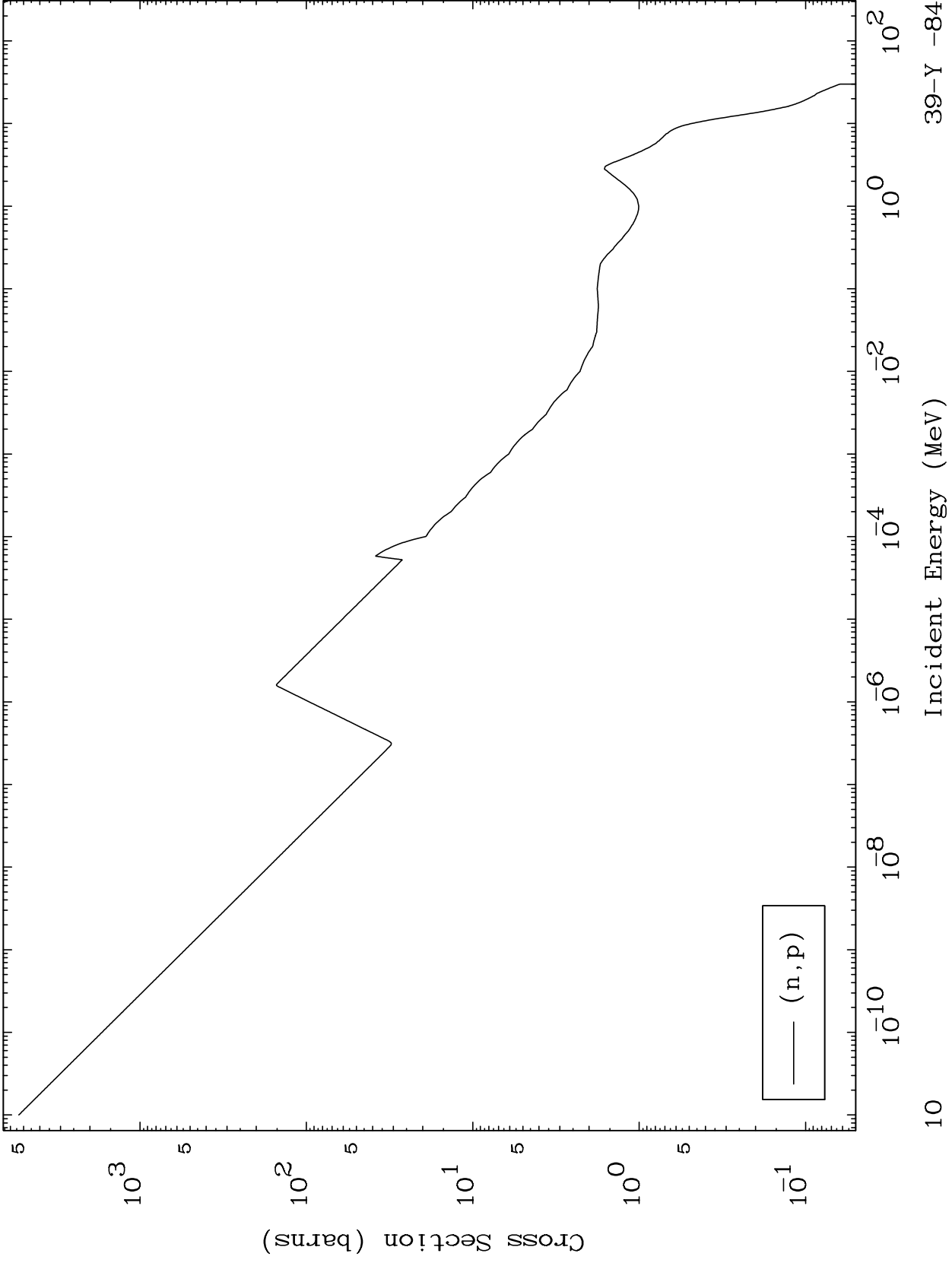




MAT 3910

(n,p) Levels  
293 Kelvin Cross Sections

39-Y -84



10

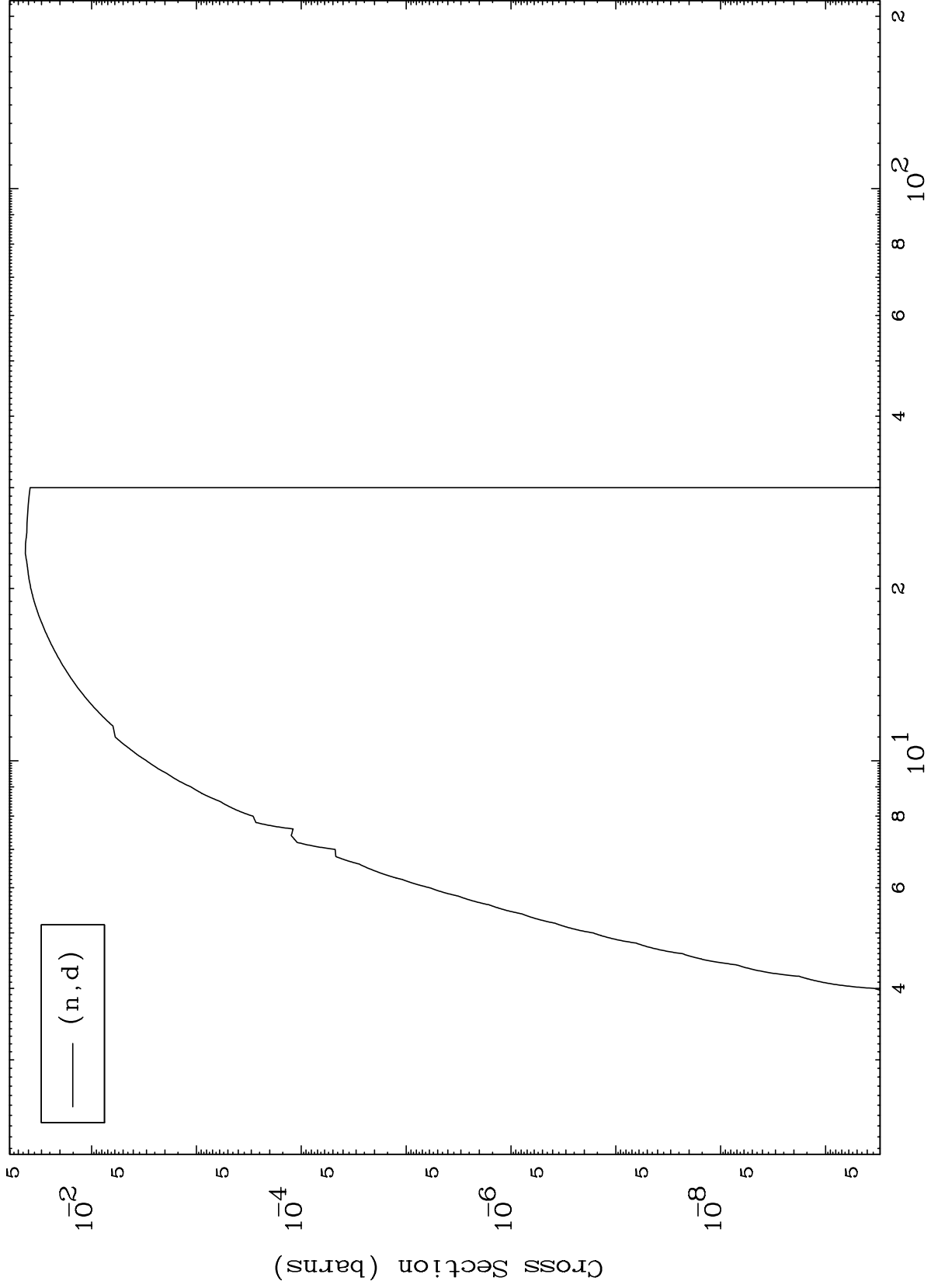
Incident Energy (MeV)

39-Y -84

MAT 3910

(n,d) Levels  
293 Kelvin Cross Sections

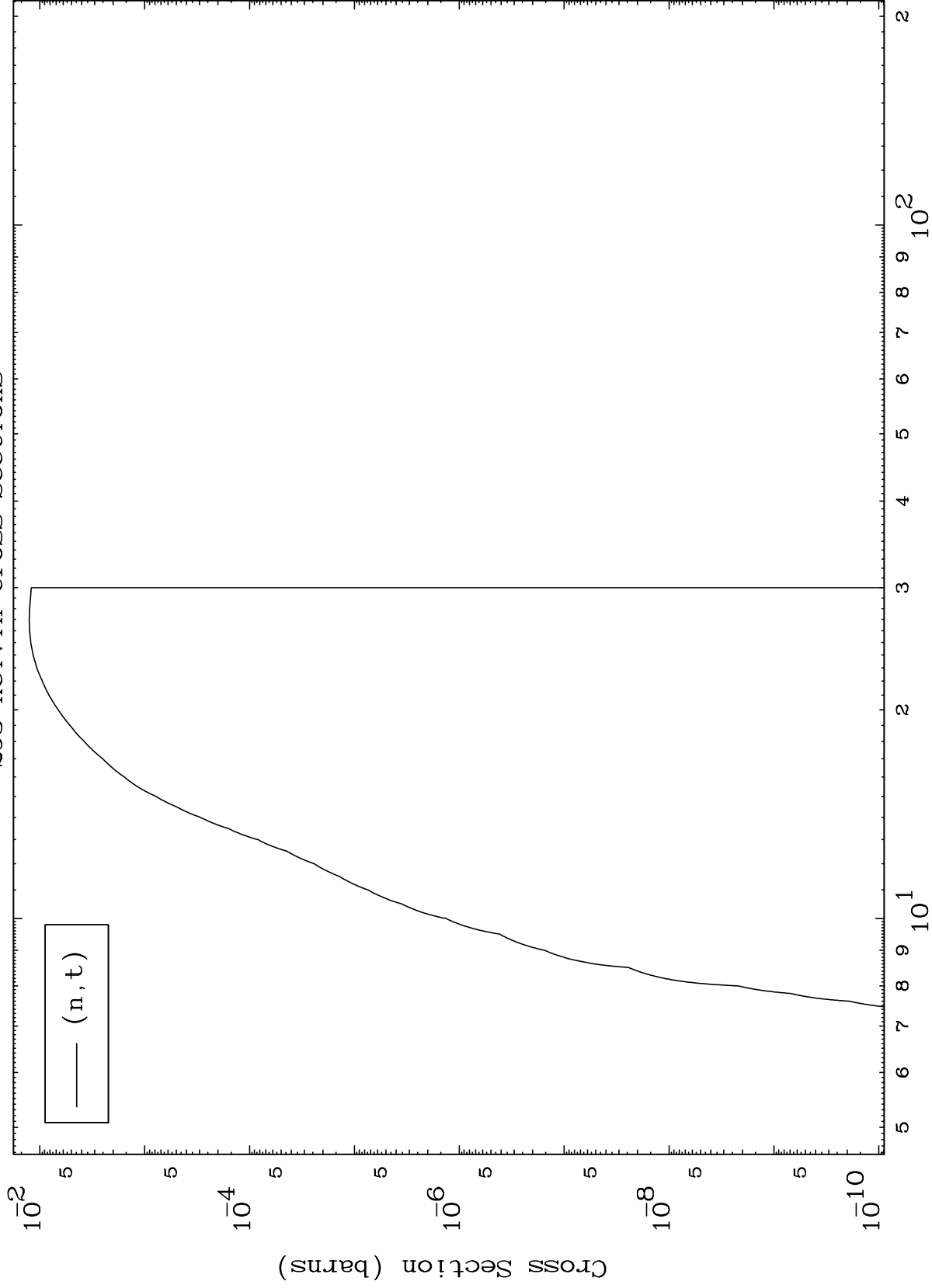
39-Y -84



MAT 3910

(n,t) Levels  
293 Kelvin Cross Sections

39-Y -84



(n,t)

Incident Energy (MeV)

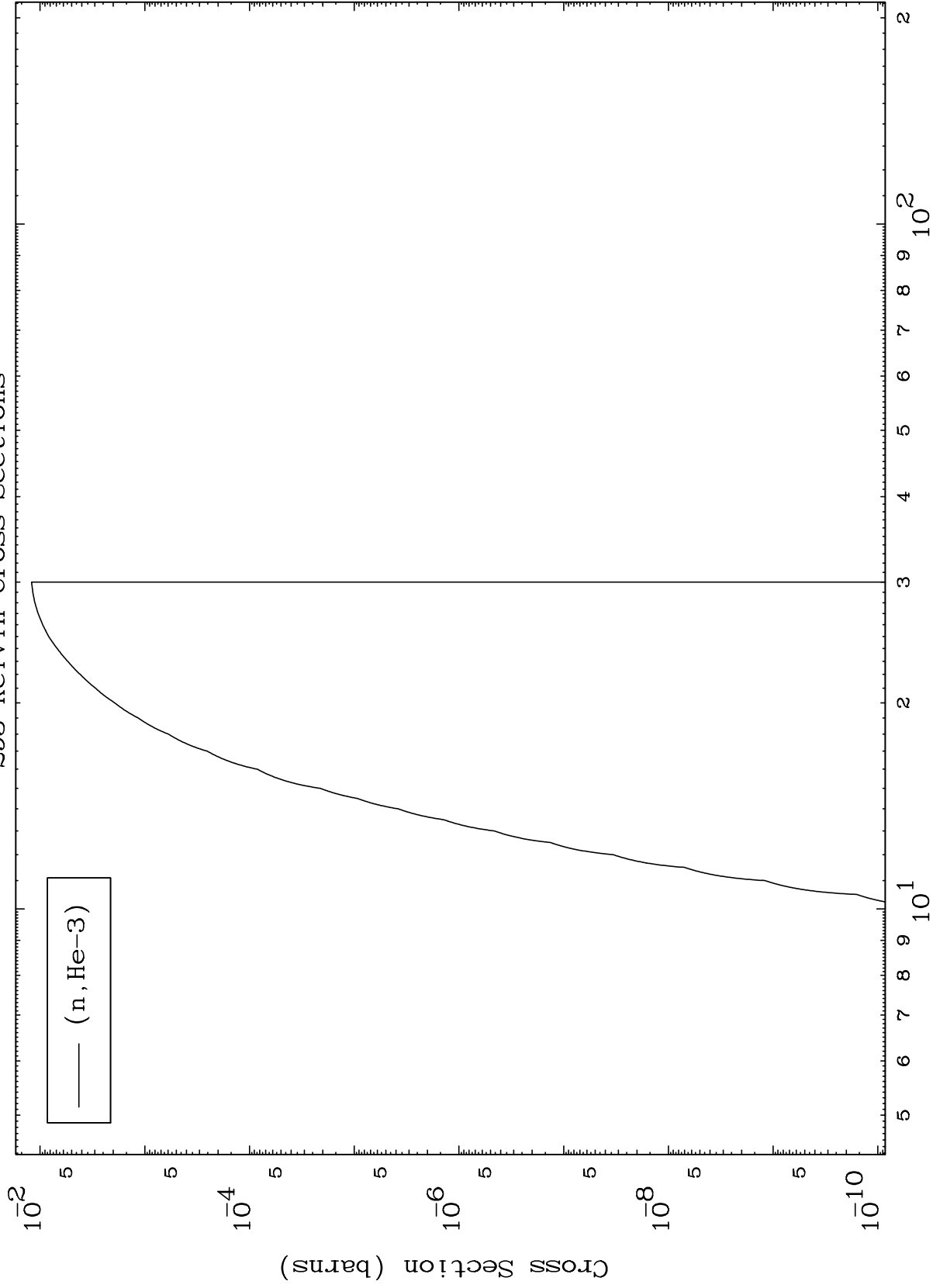
39-Y -84

12

MAT 3910

(n,He3) Levels  
293 Kelvin Cross Sections

39-Y -84



13

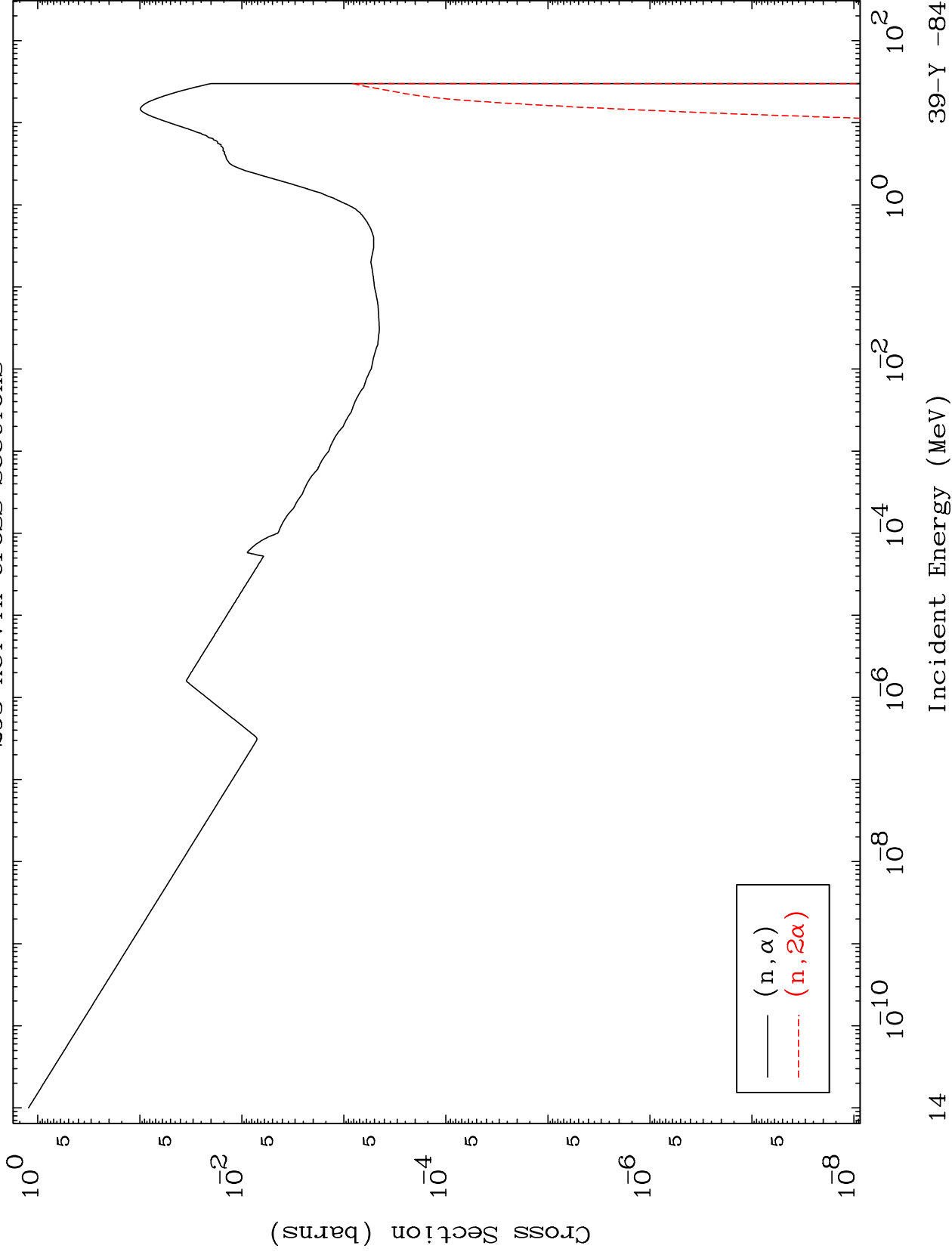
Incident Energy (MeV)

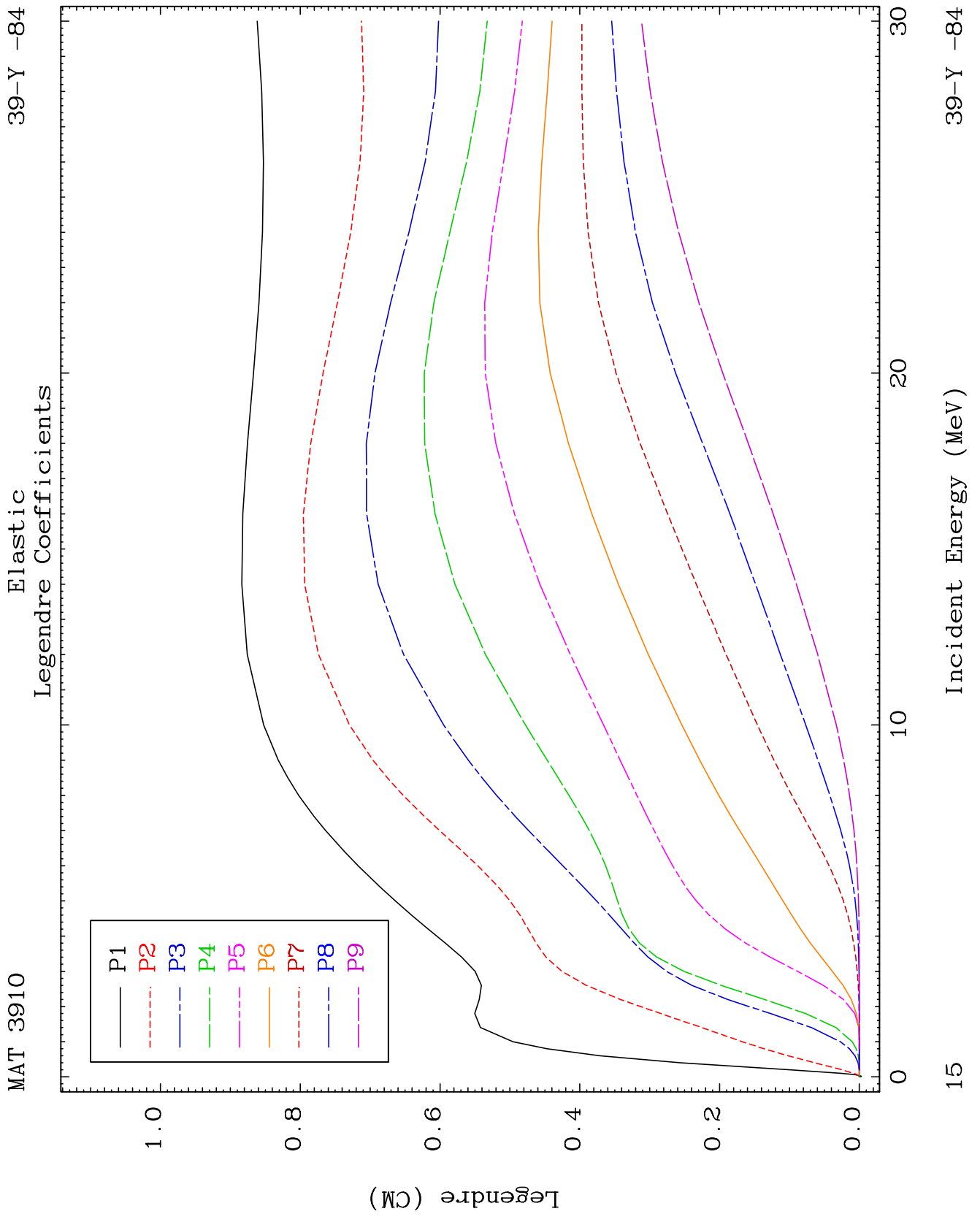
39-Y -84

MAT 3910

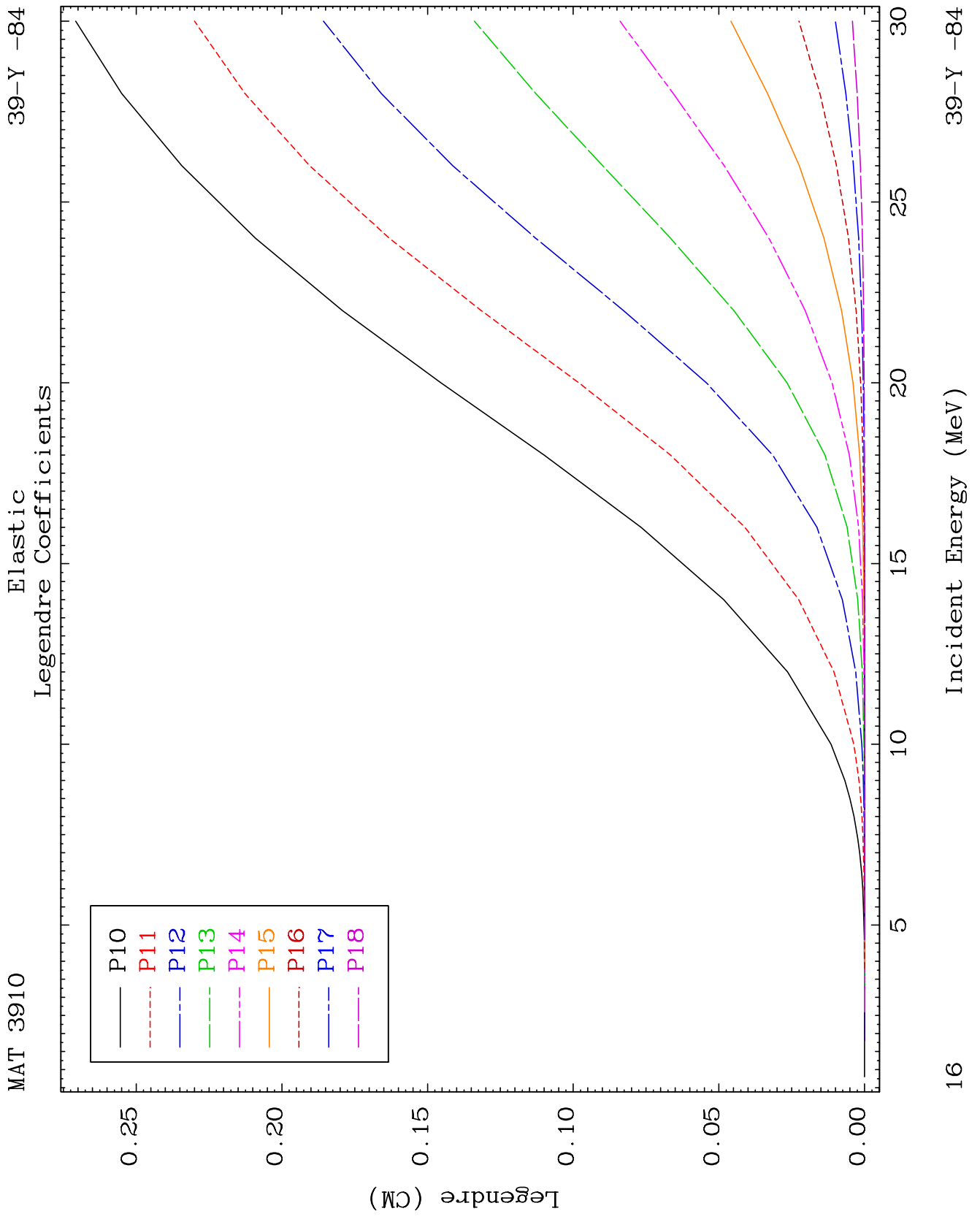
(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

39-Y -84









39-Y -84

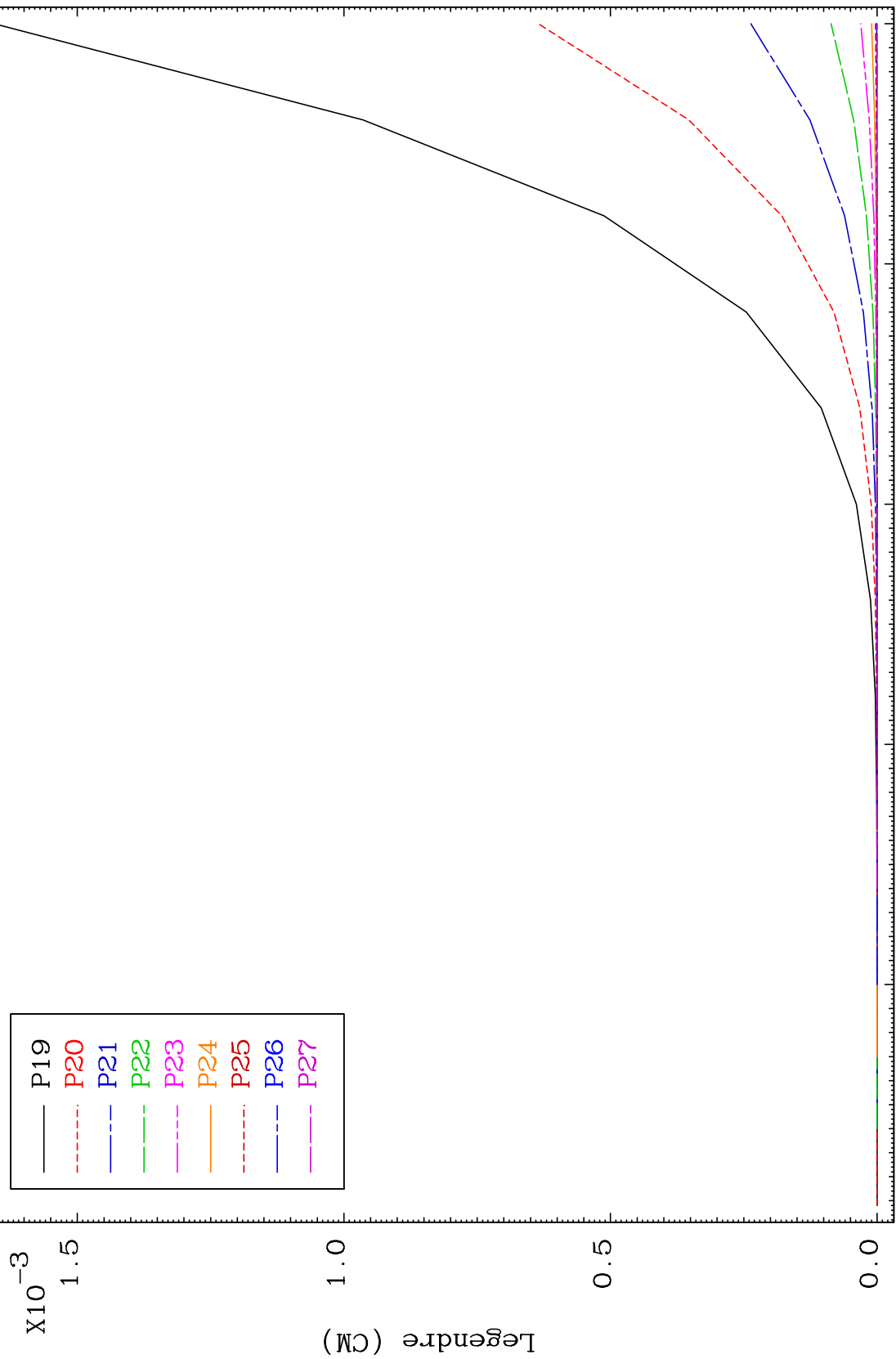
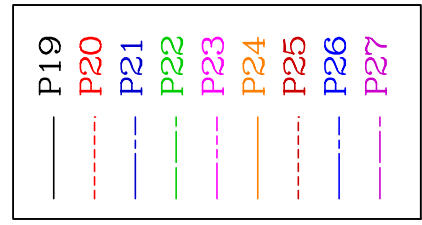
39-Y -84

16

MAT 3910

### Elastic Legendre Coefficients

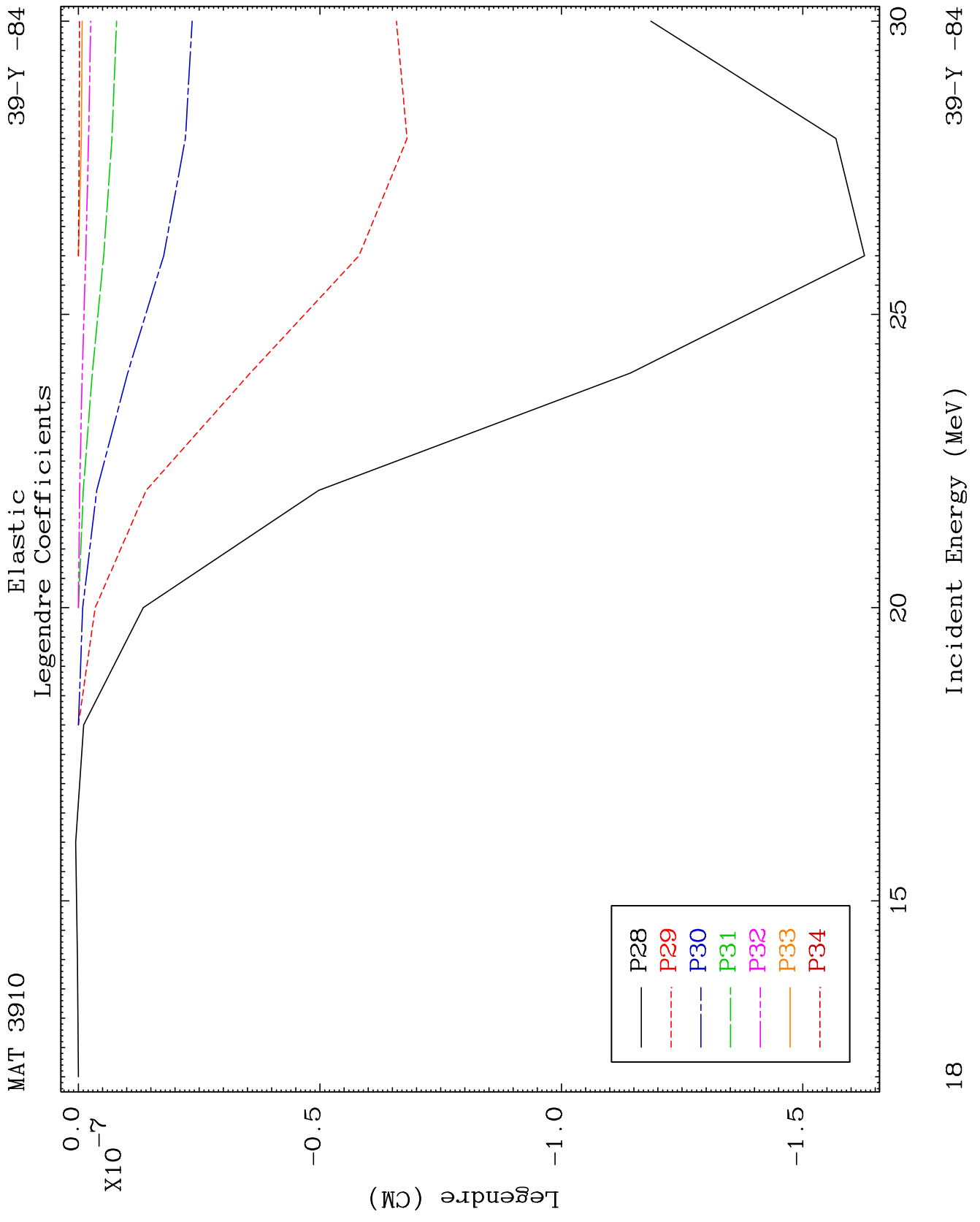
39-Y -84

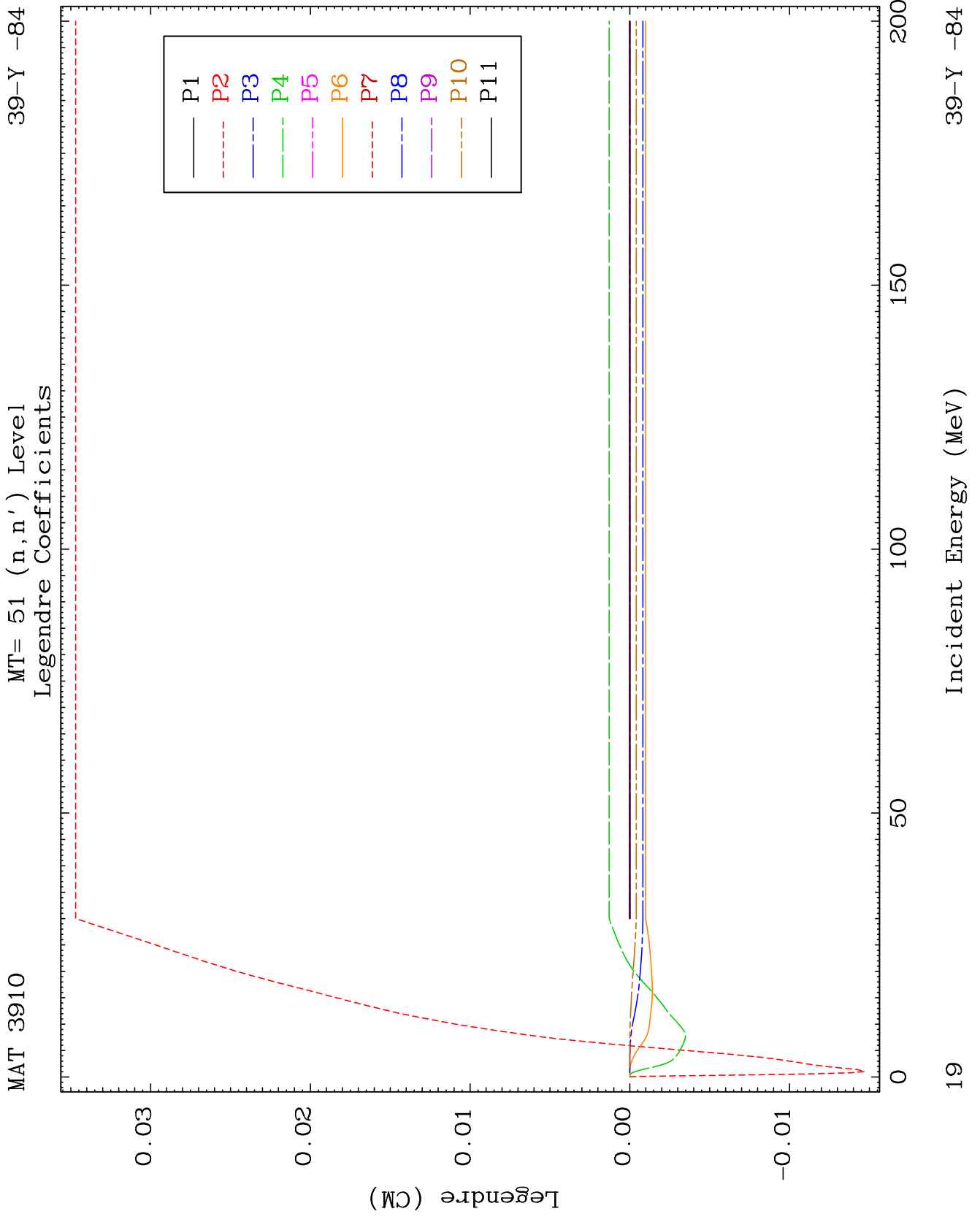


17

Incident Energy (MeV)

39-Y -84



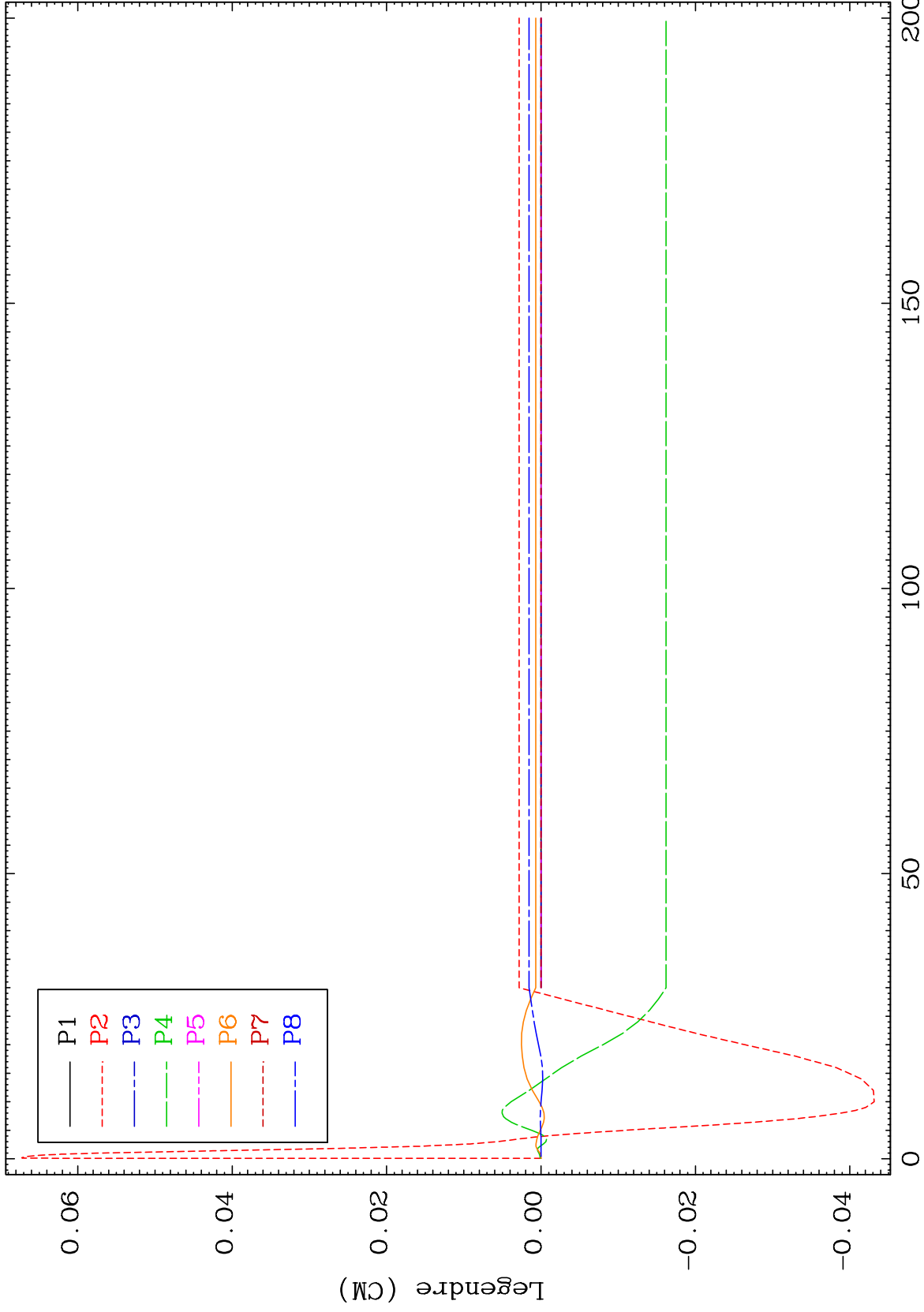




MAT 3910

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

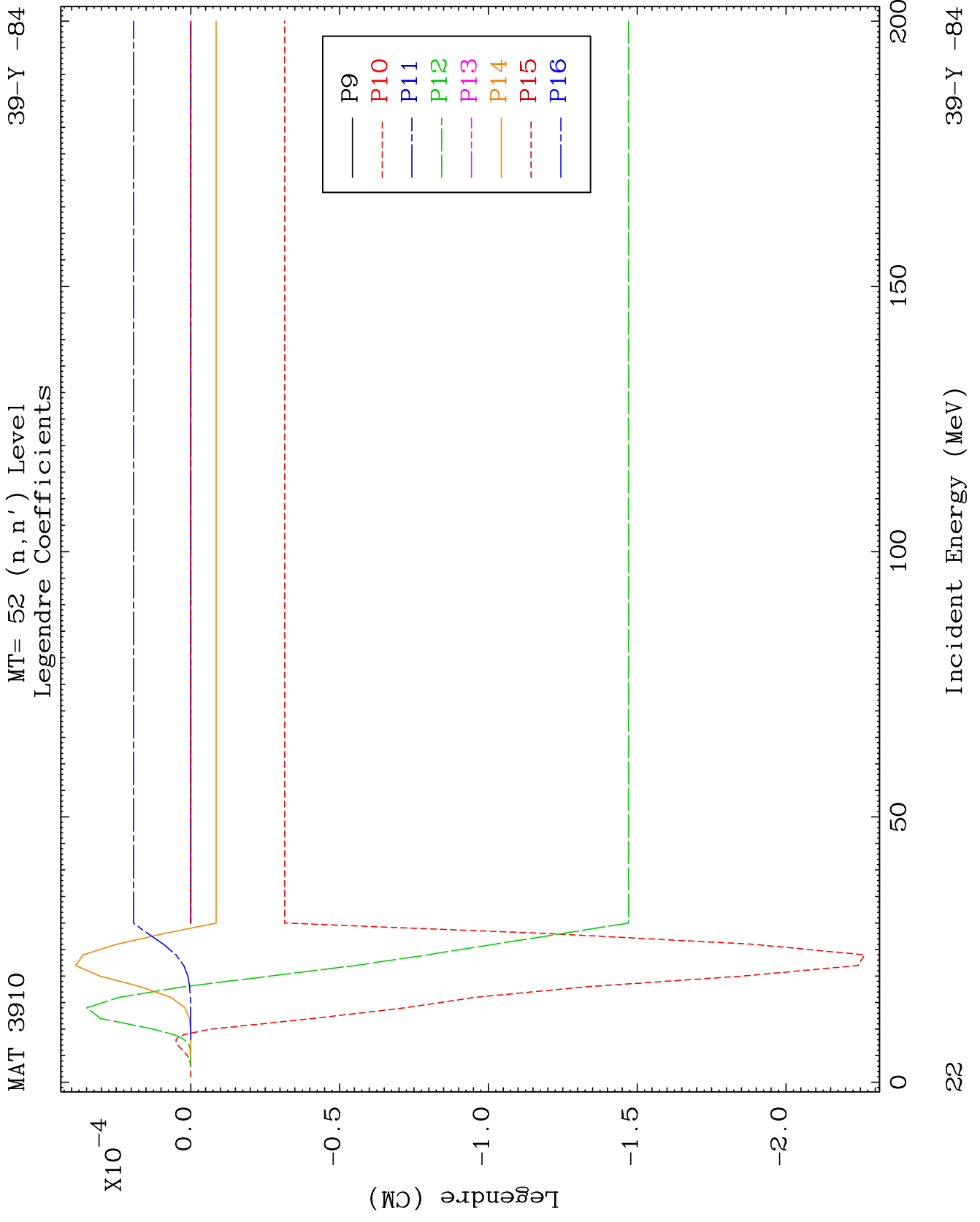
39-Y -84

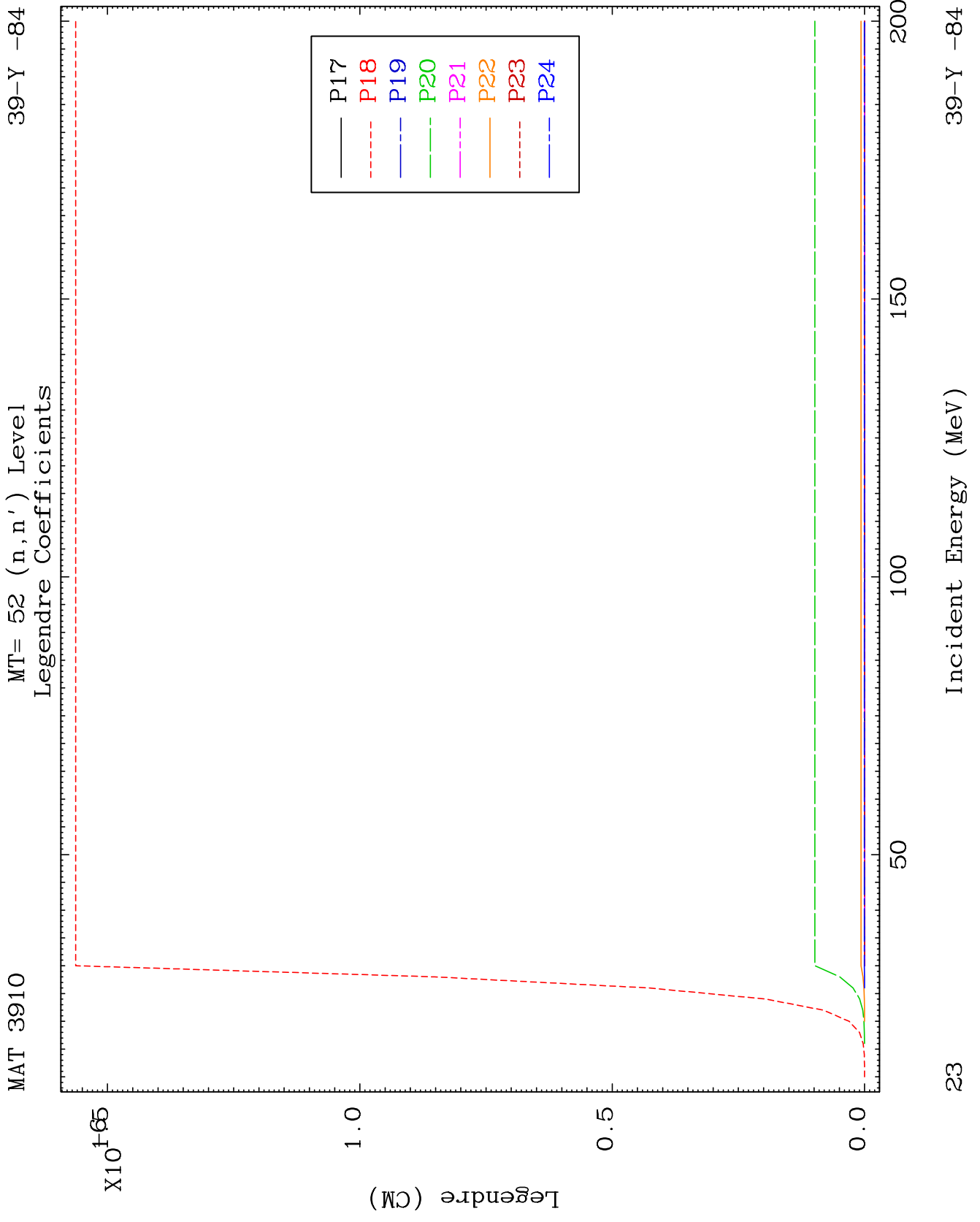


21

Incident Energy (MeV)

39-Y -84



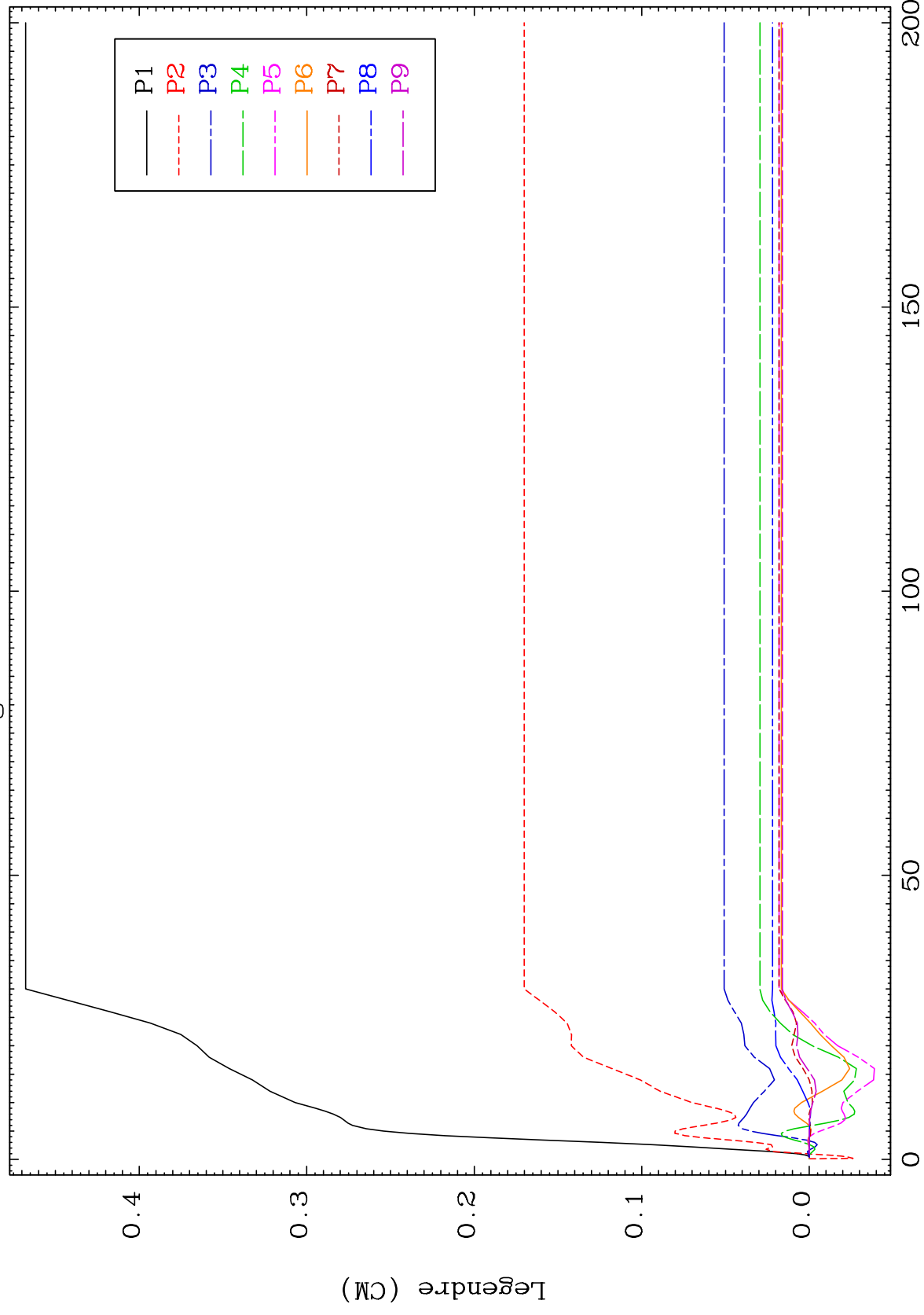




MAT 3910

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

39-Y -84



24

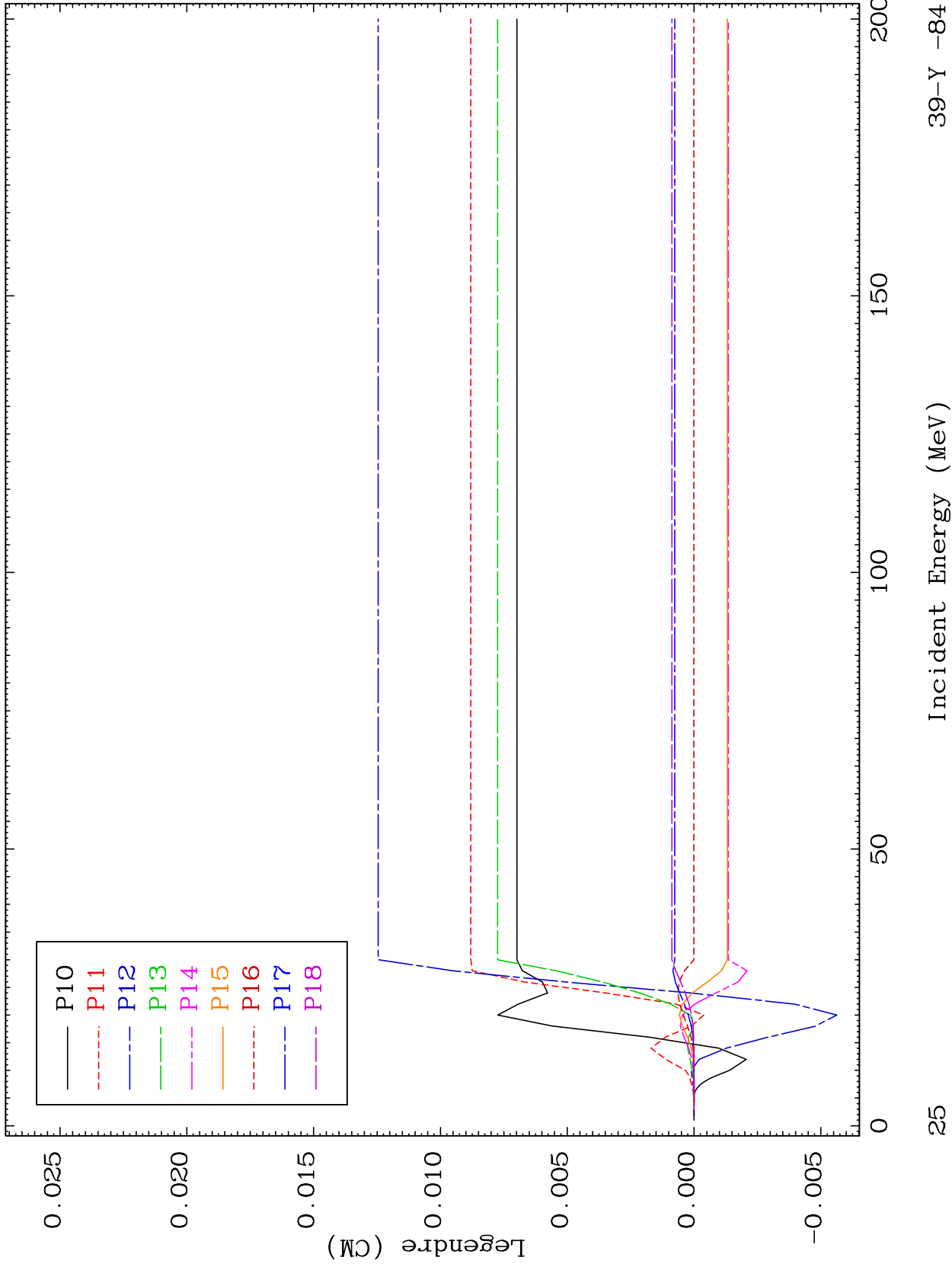
Incident Energy (MeV)

39-Y -84

MAT 3910

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

39-Y -84



39-Y -84

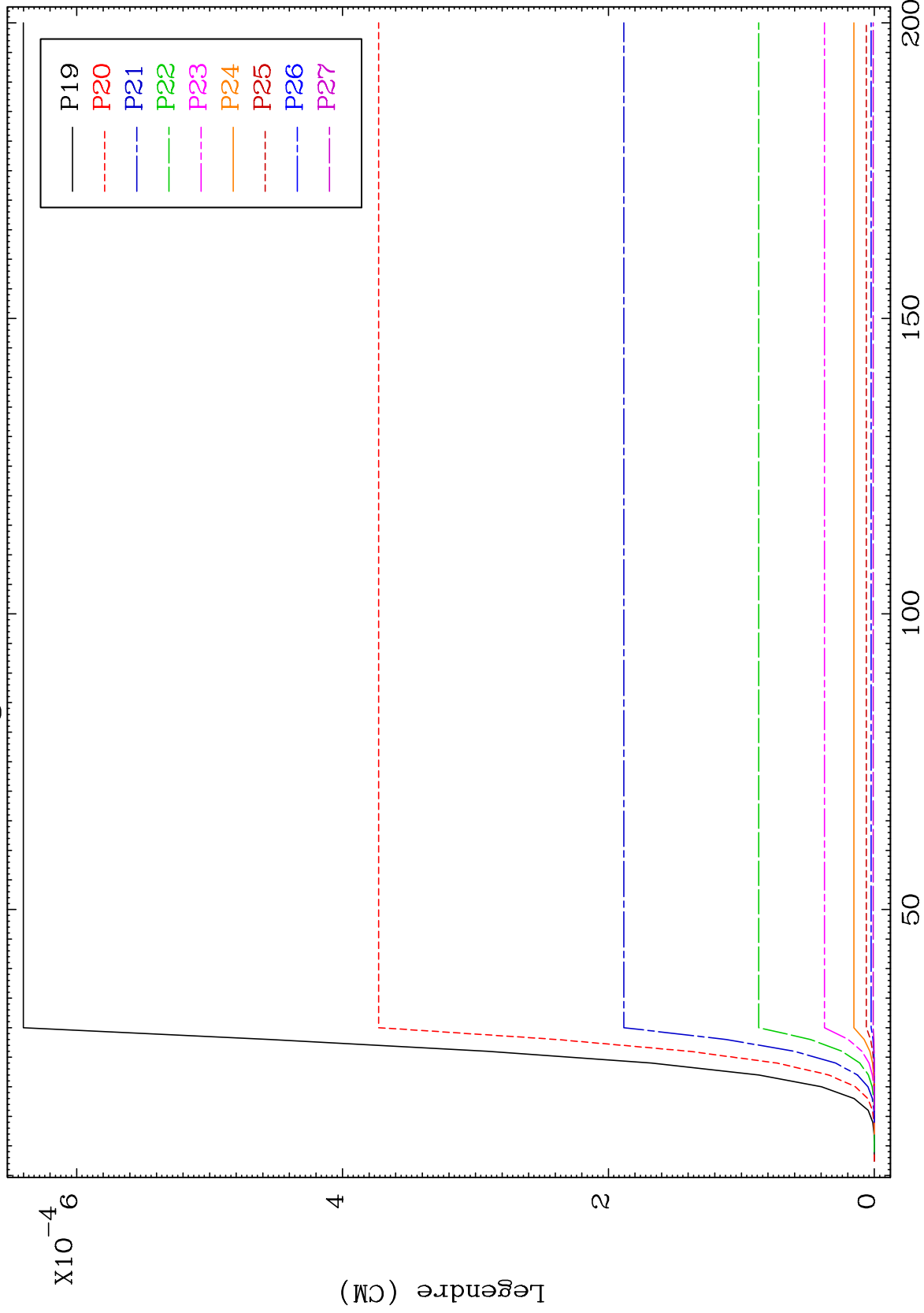
Incident Energy (MeV)

25

MAT 3910

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

39-Y -84



26

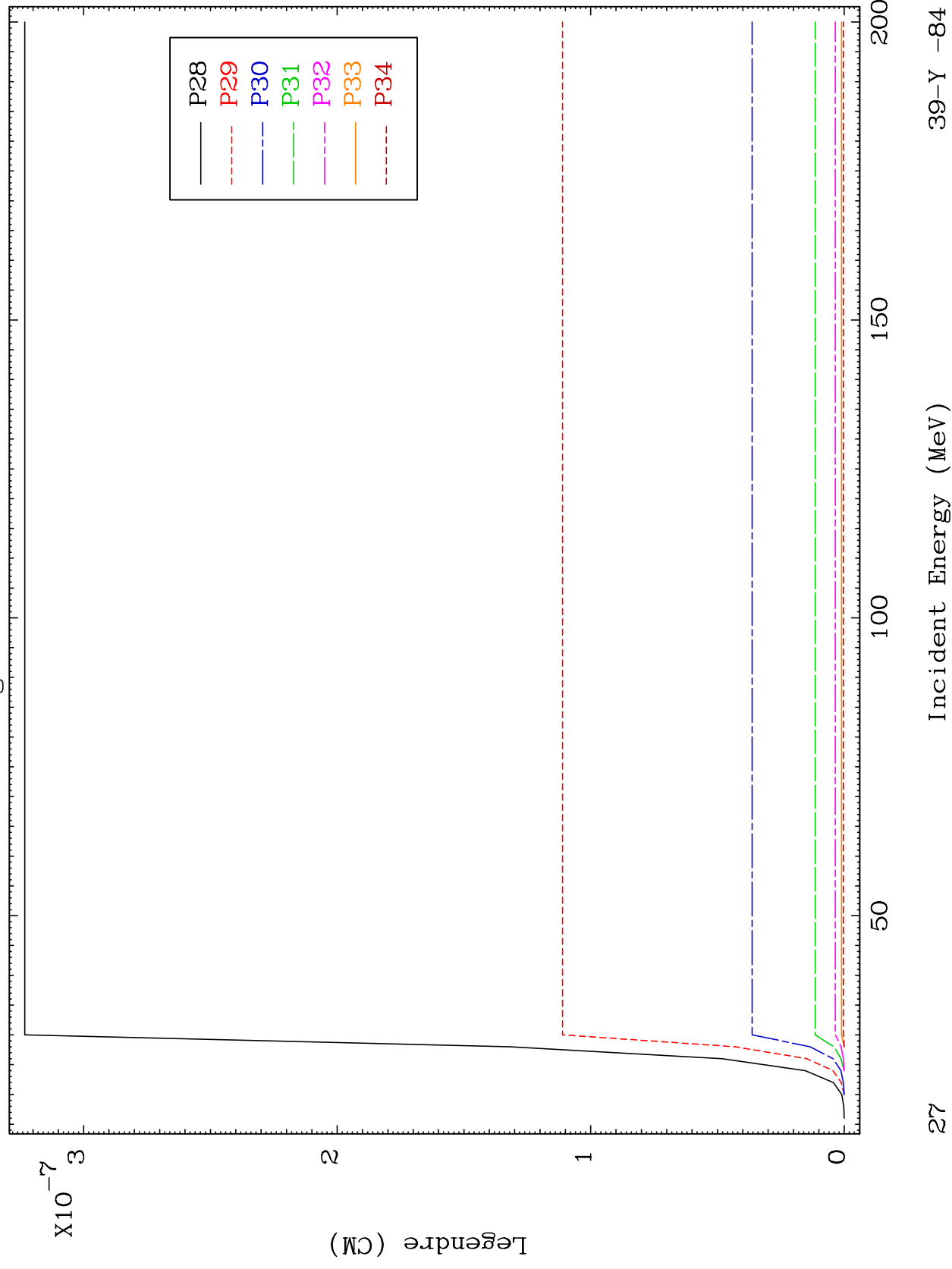
Incident Energy (MeV)

39-Y -84

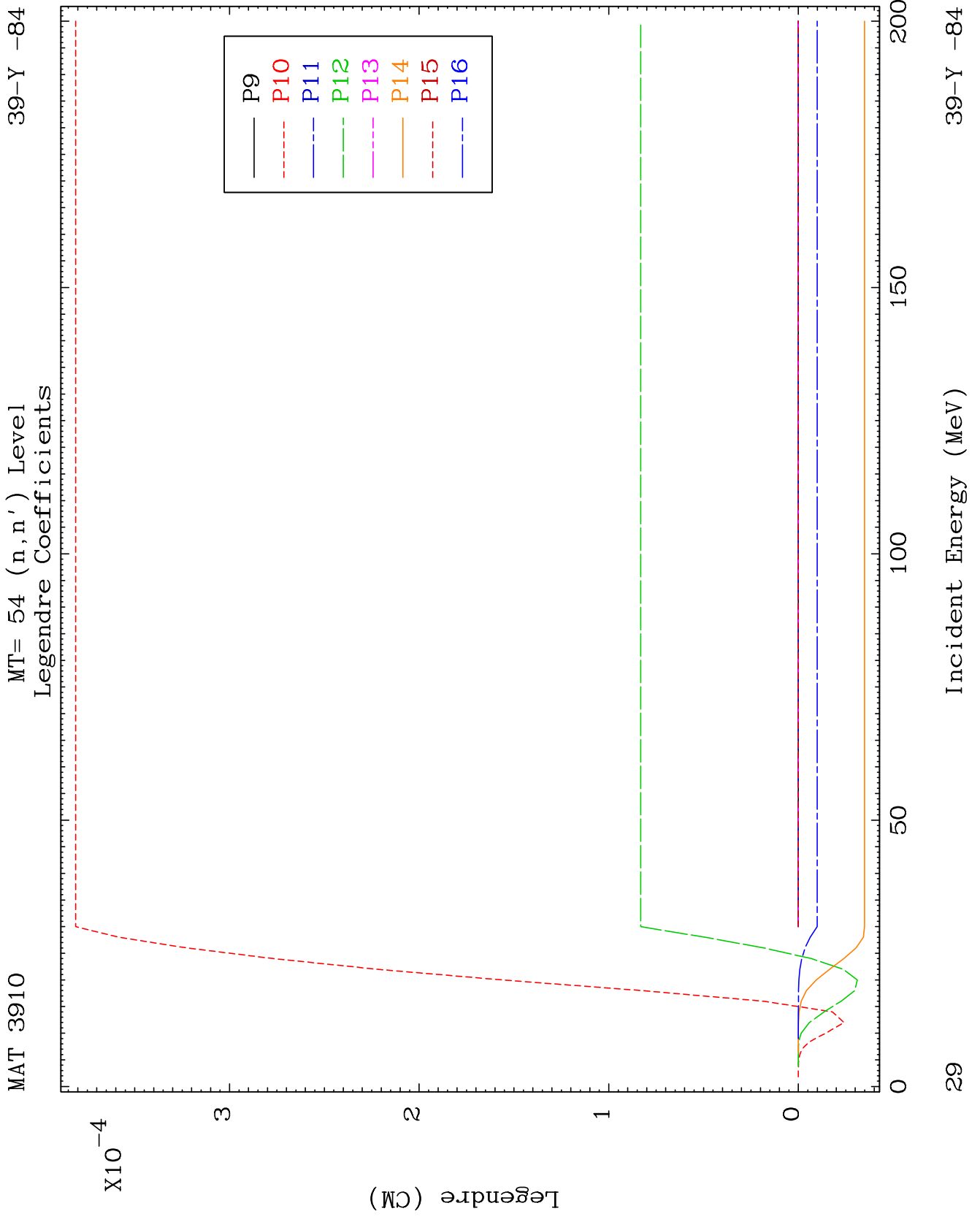
MAT 3910

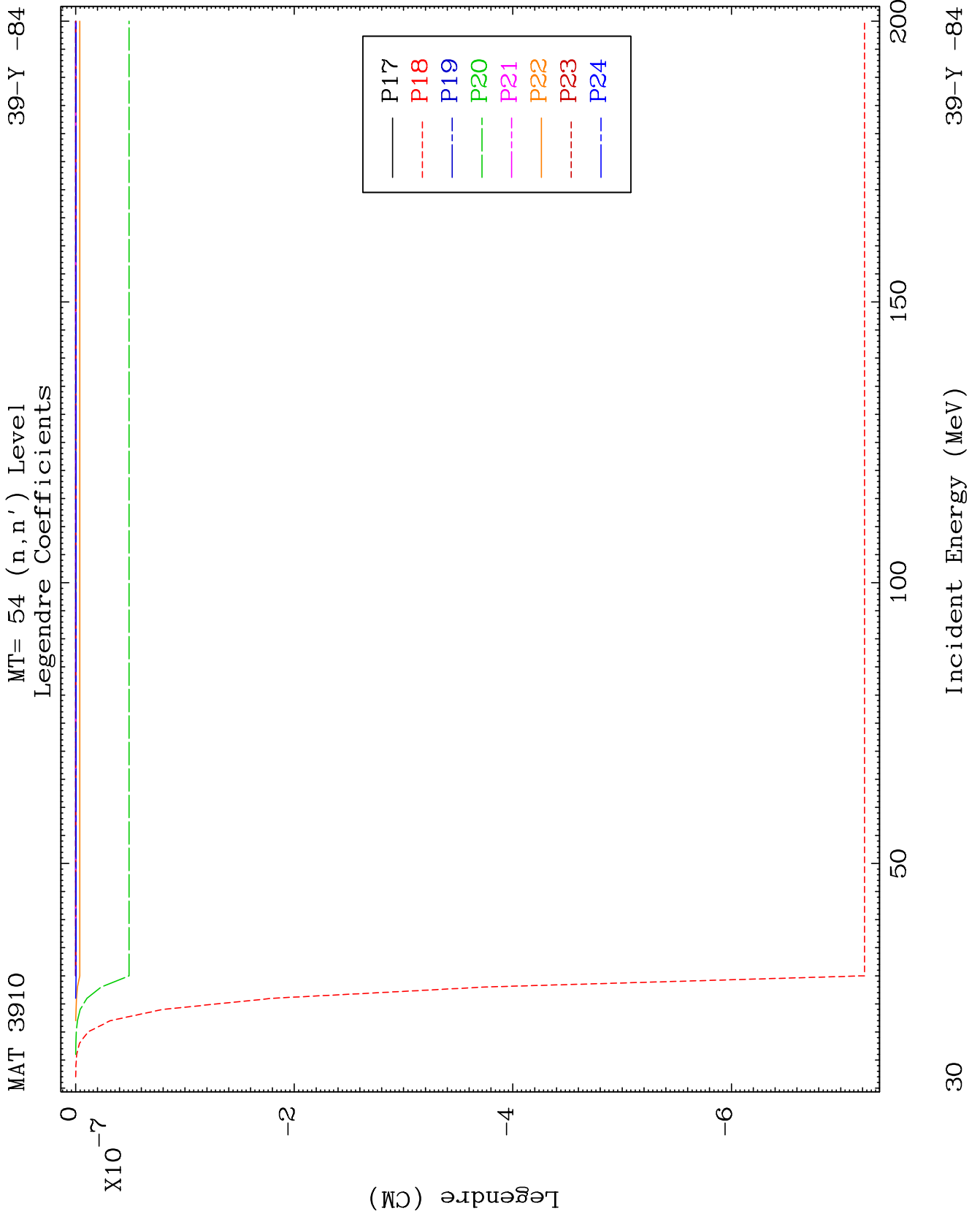
MT= 53 (n,n') Level  
Legendre Coefficients

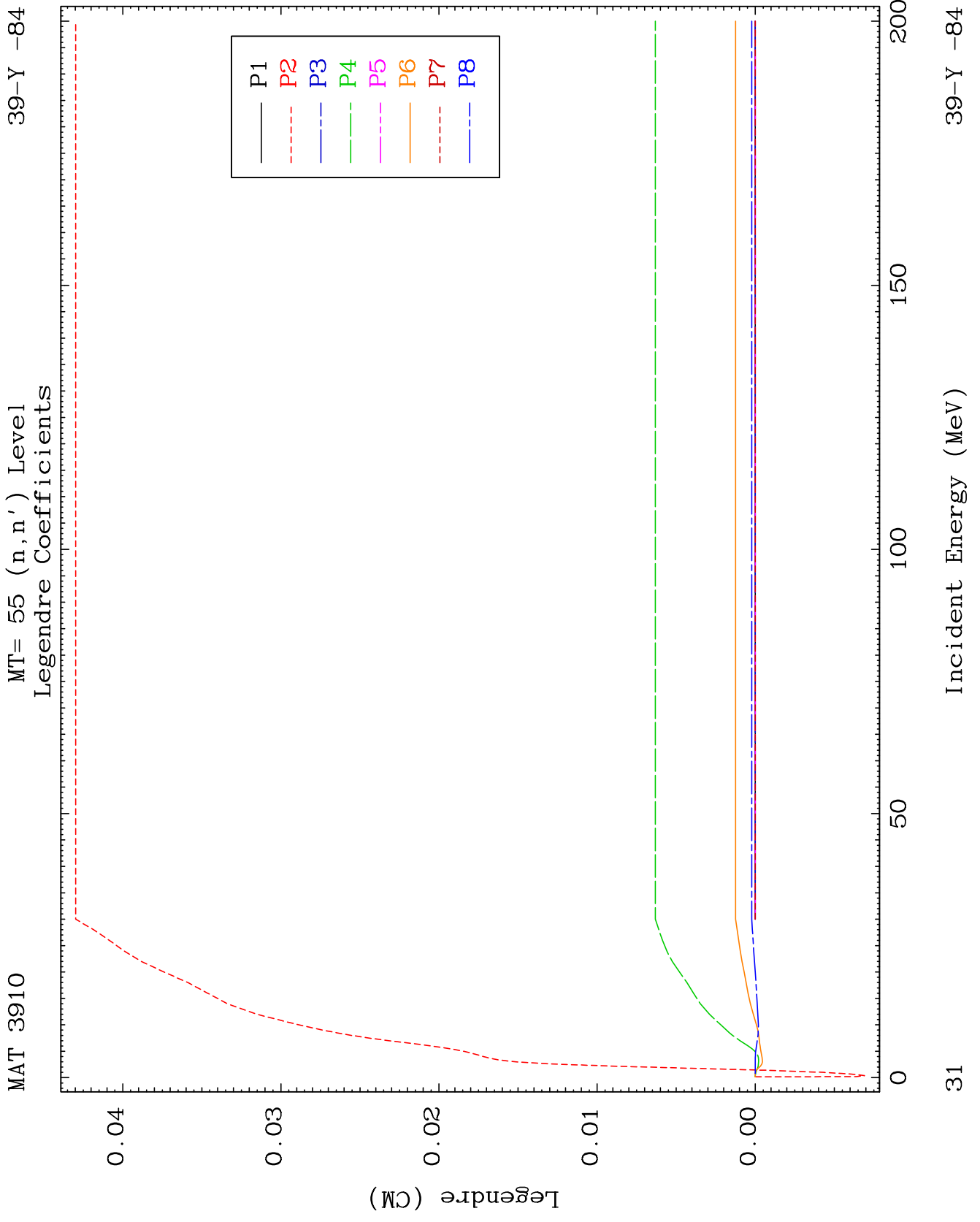
39-Y -84









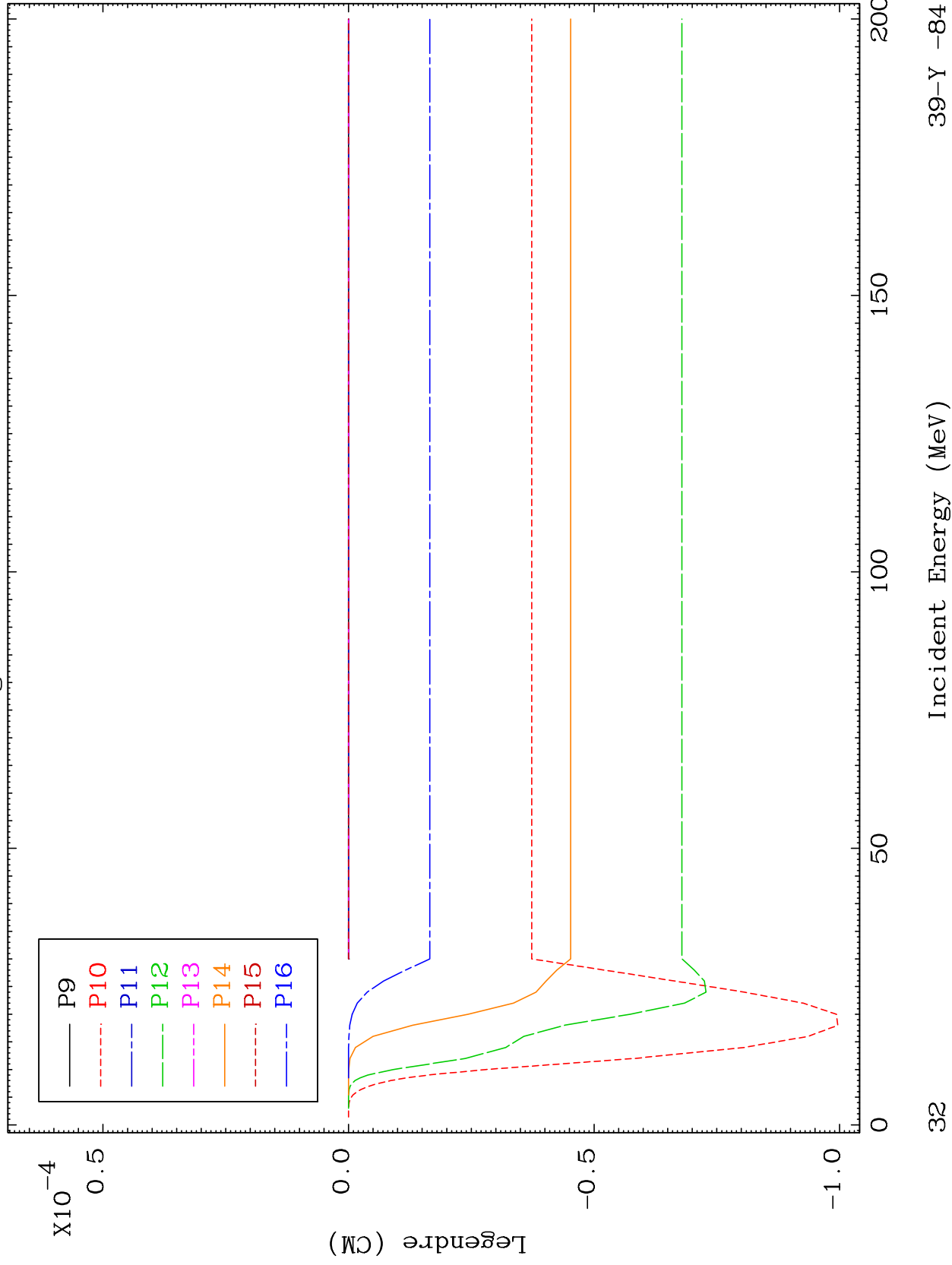




MAT 3910

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

39-Y -84



39-Y -84

Incident Energy (MeV)

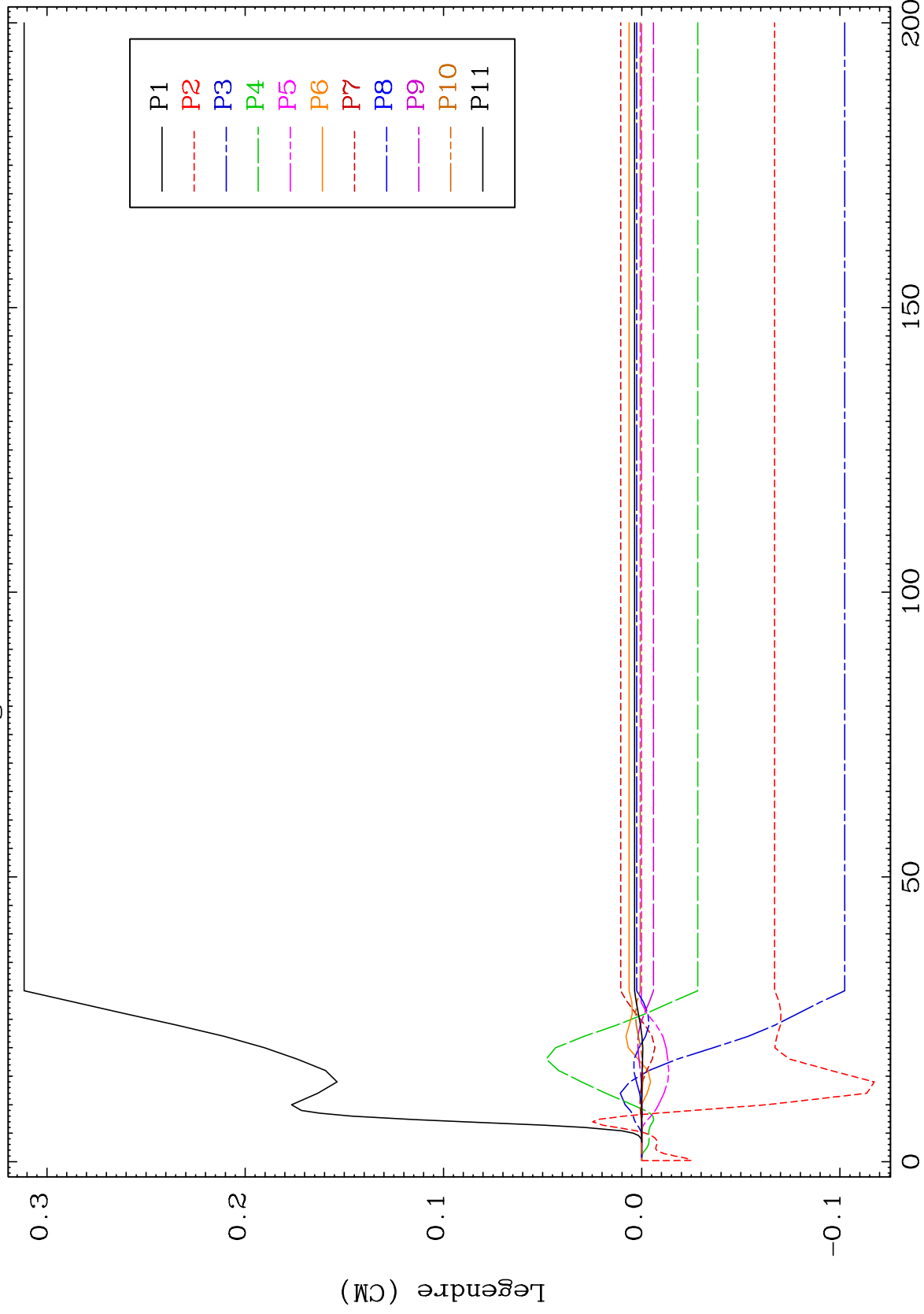
32



MAT 3910

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

39-Y -84



34

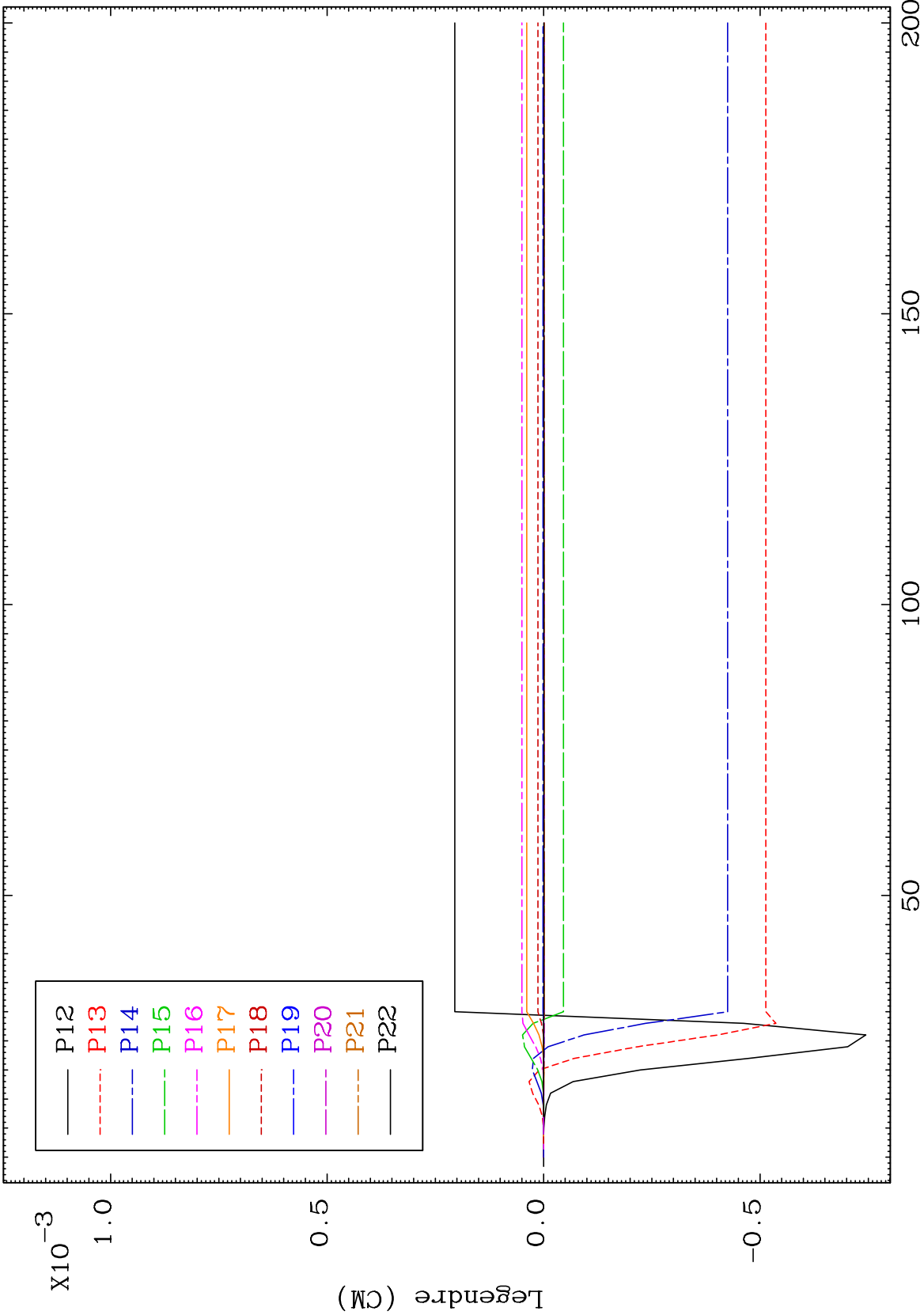
Incident Energy (MeV)

39-Y -84

MAT 3910

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

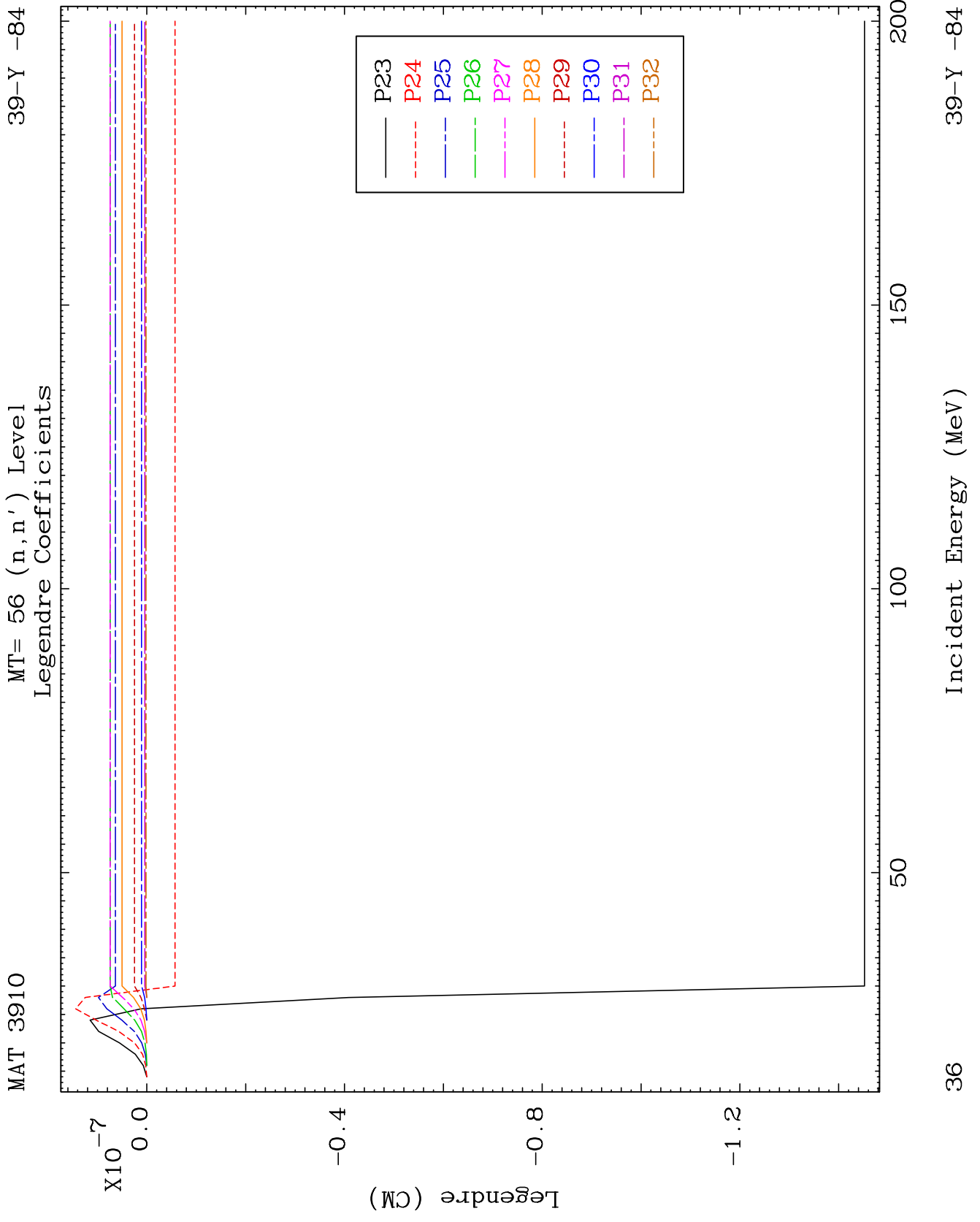
39-Y -84



35

Incident Energy (MeV)

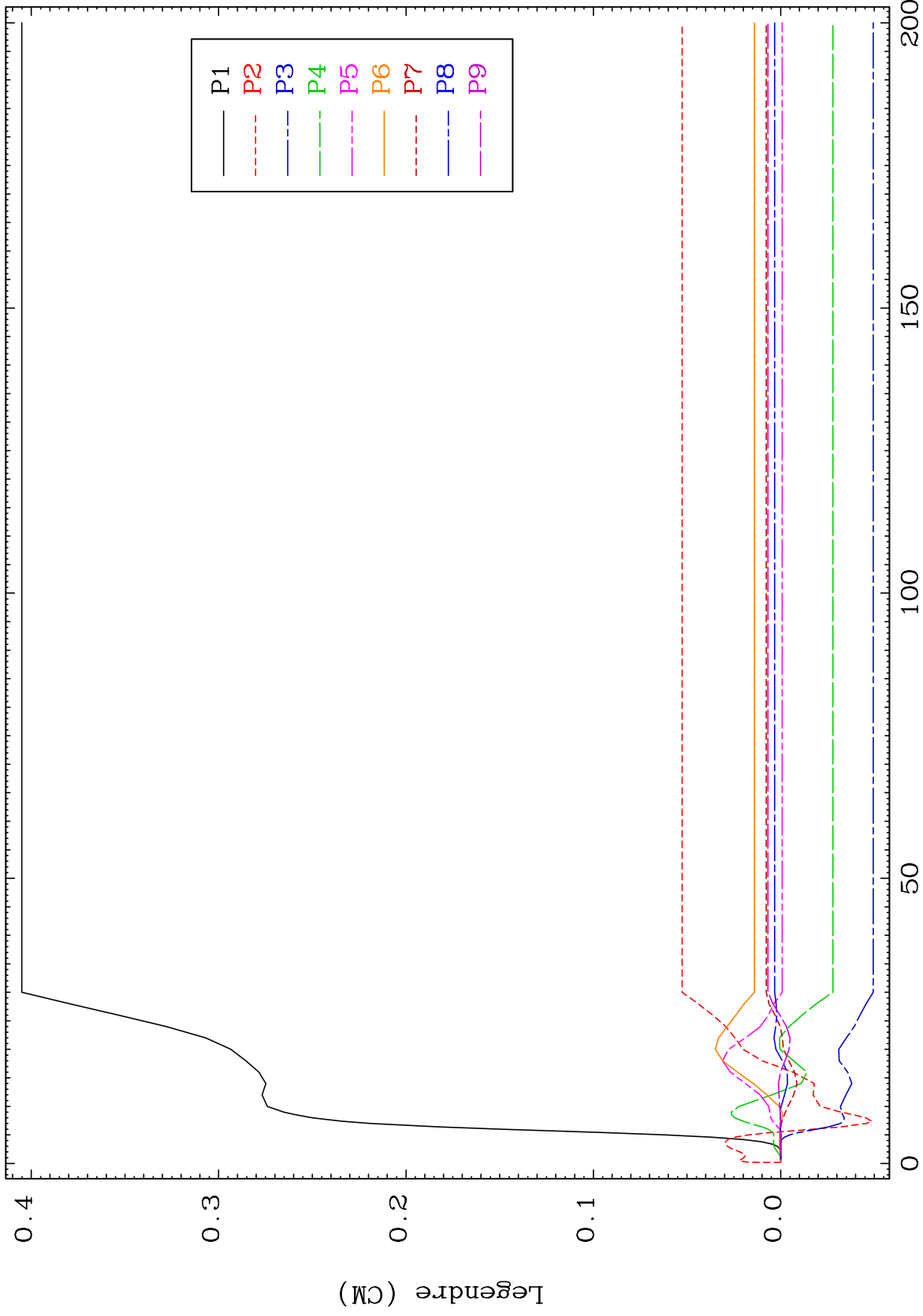
39-Y -84



MAT 3910

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

39-Y -84



37

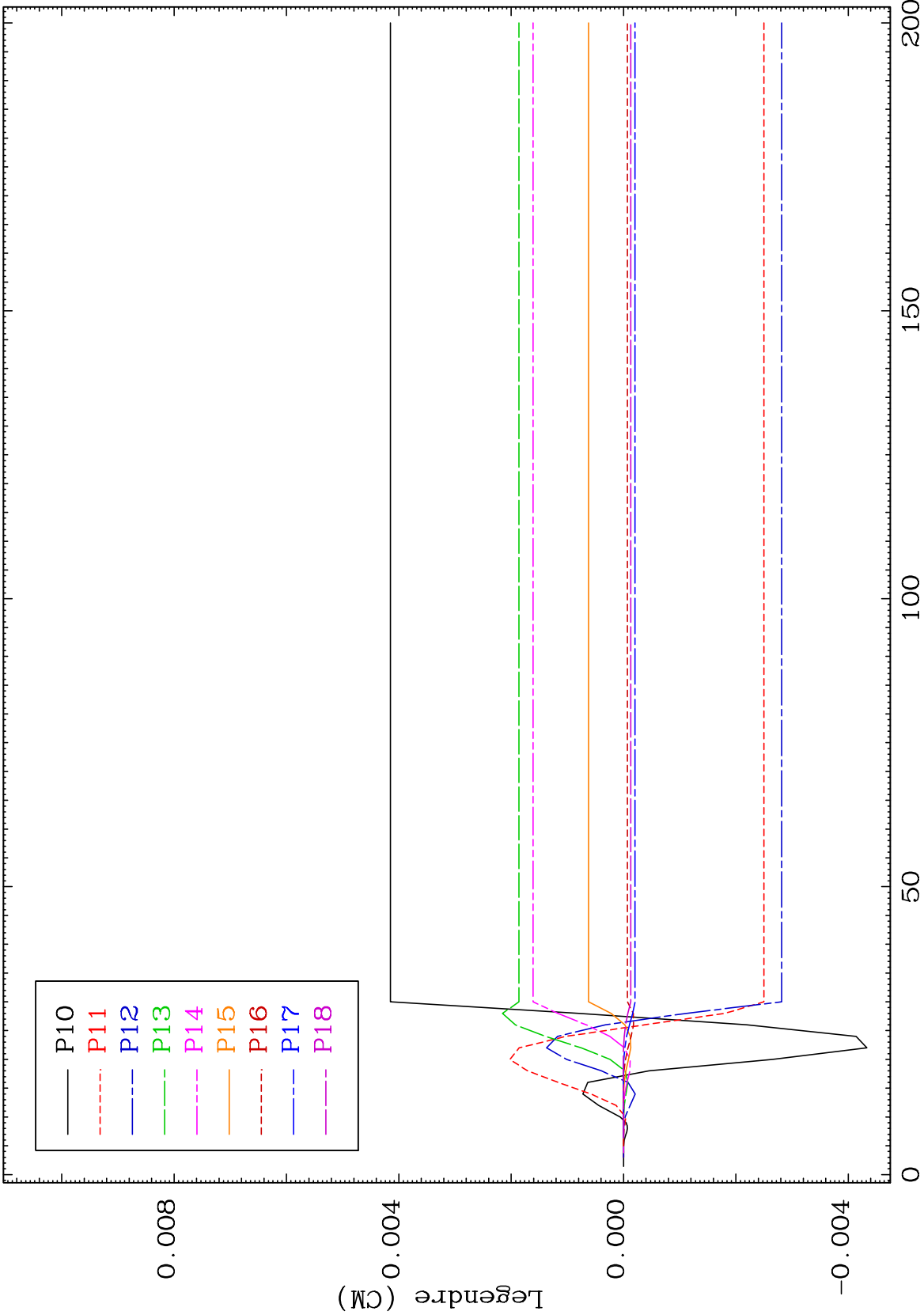
Incident Energy (MeV)

39-Y -84

MAT 3910

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

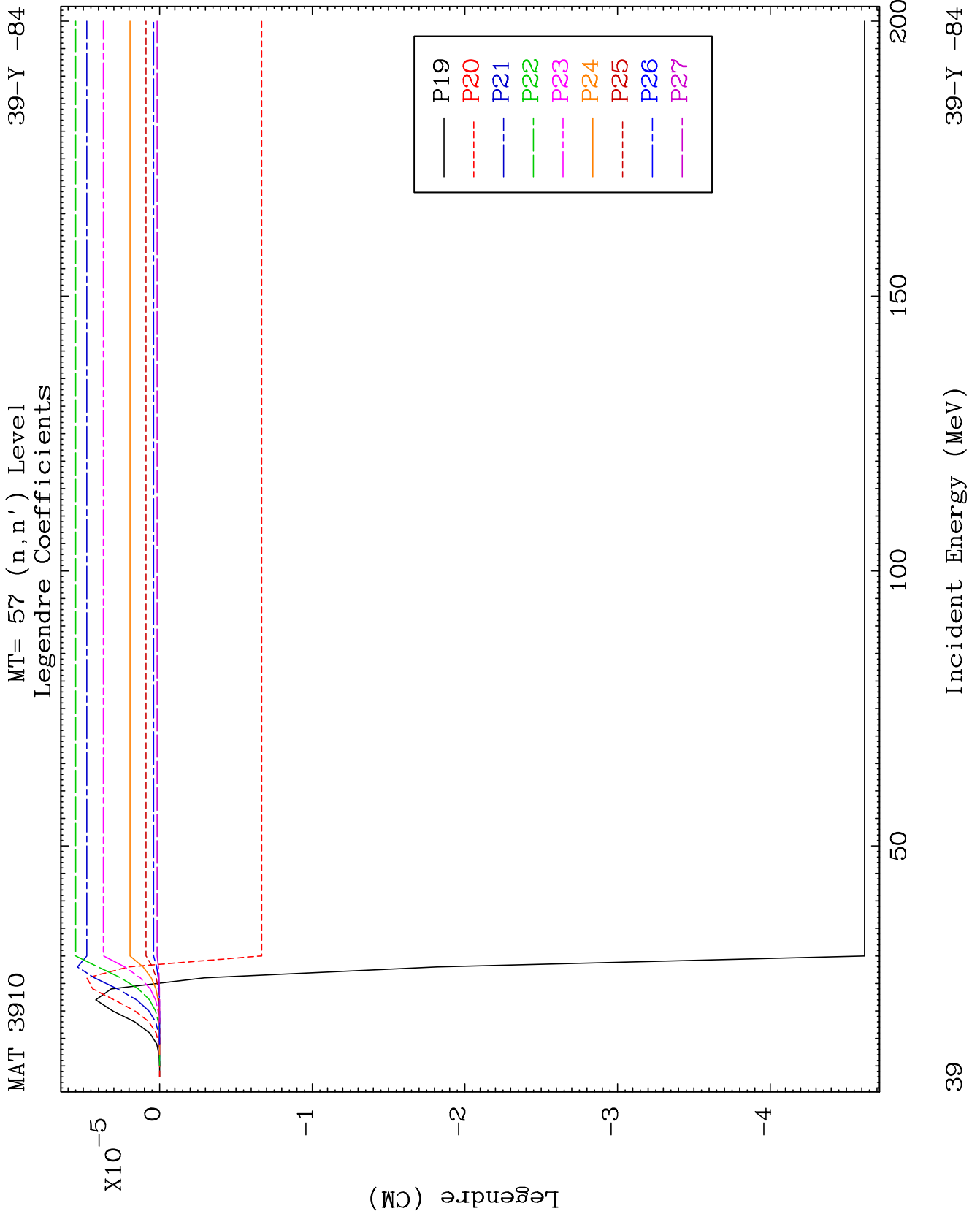
39-Y -84



38

Incident Energy (MeV)

39-Y -84

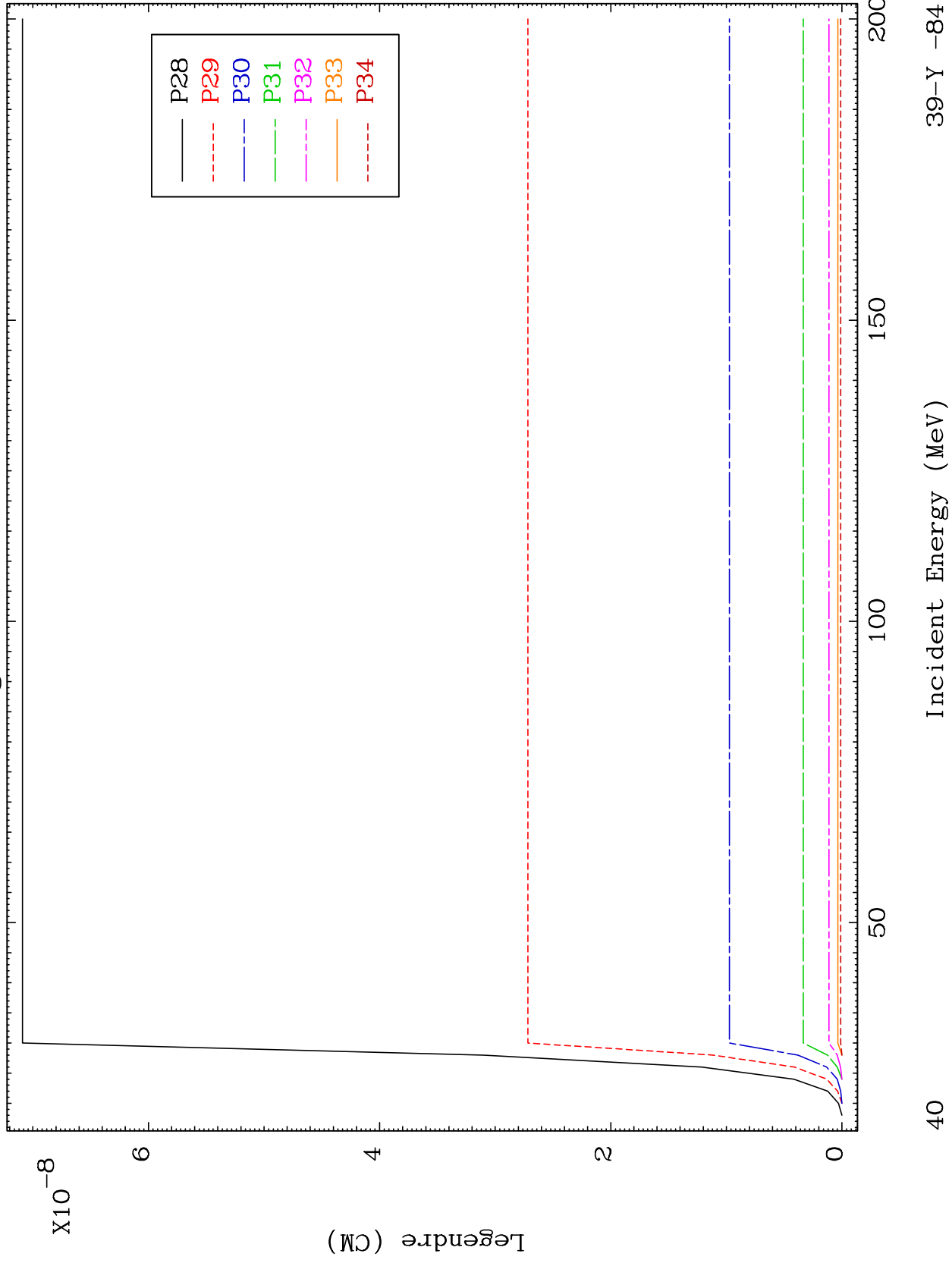




MAT 3910

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

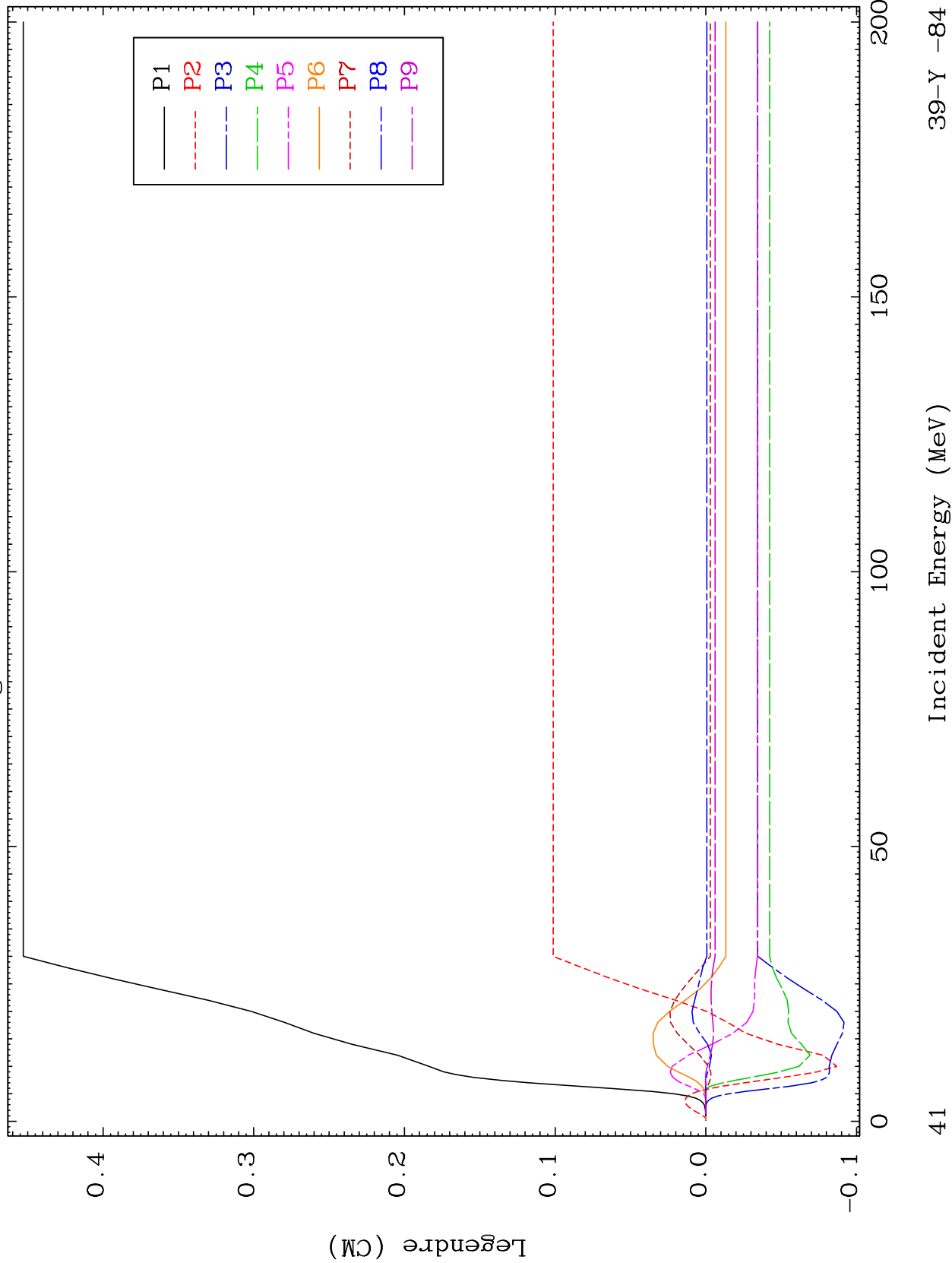
39-Y -84



MAT 3910

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

39-Y -84



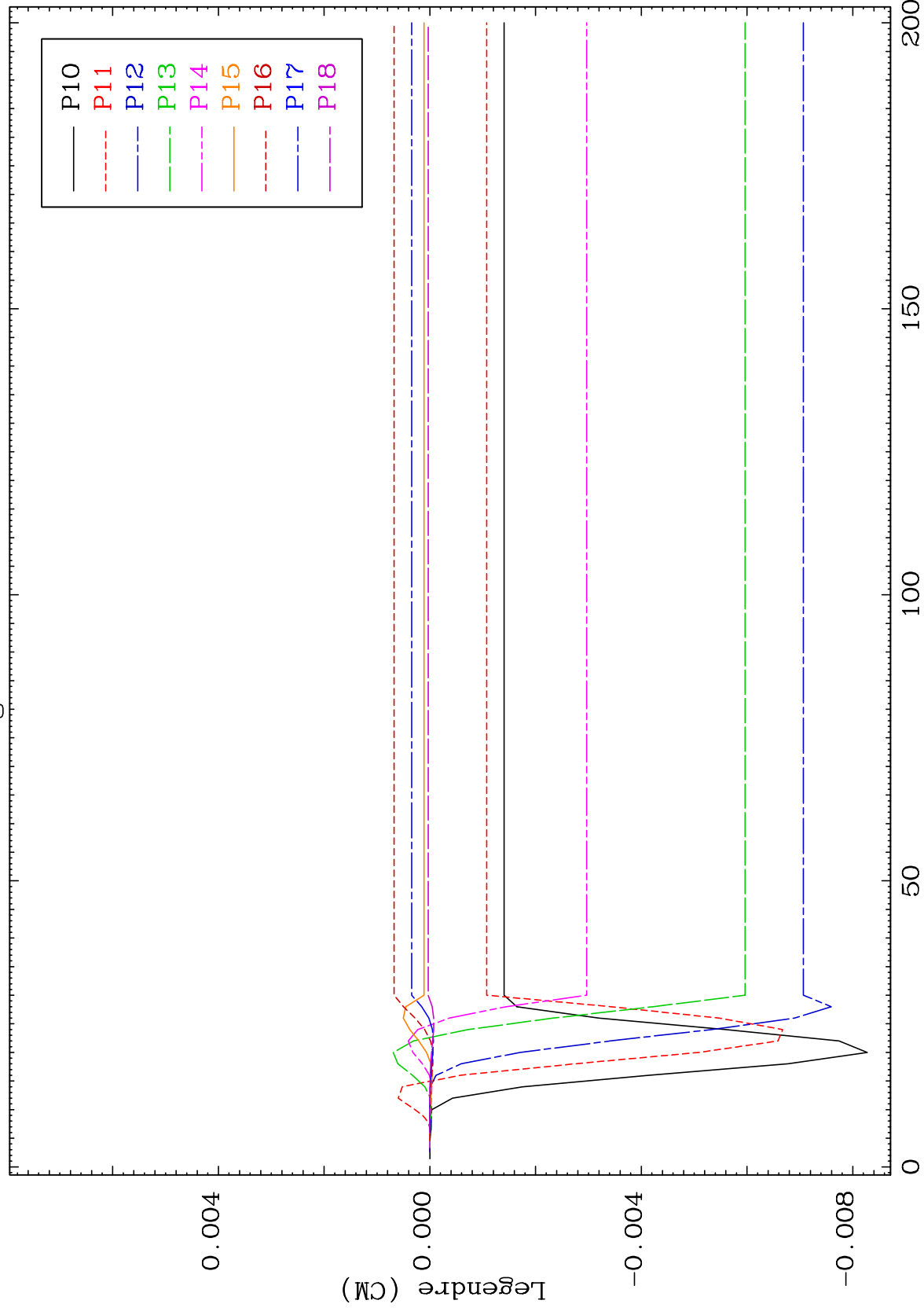
41

39-Y -84

MAT 3910

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

39-Y -84



42

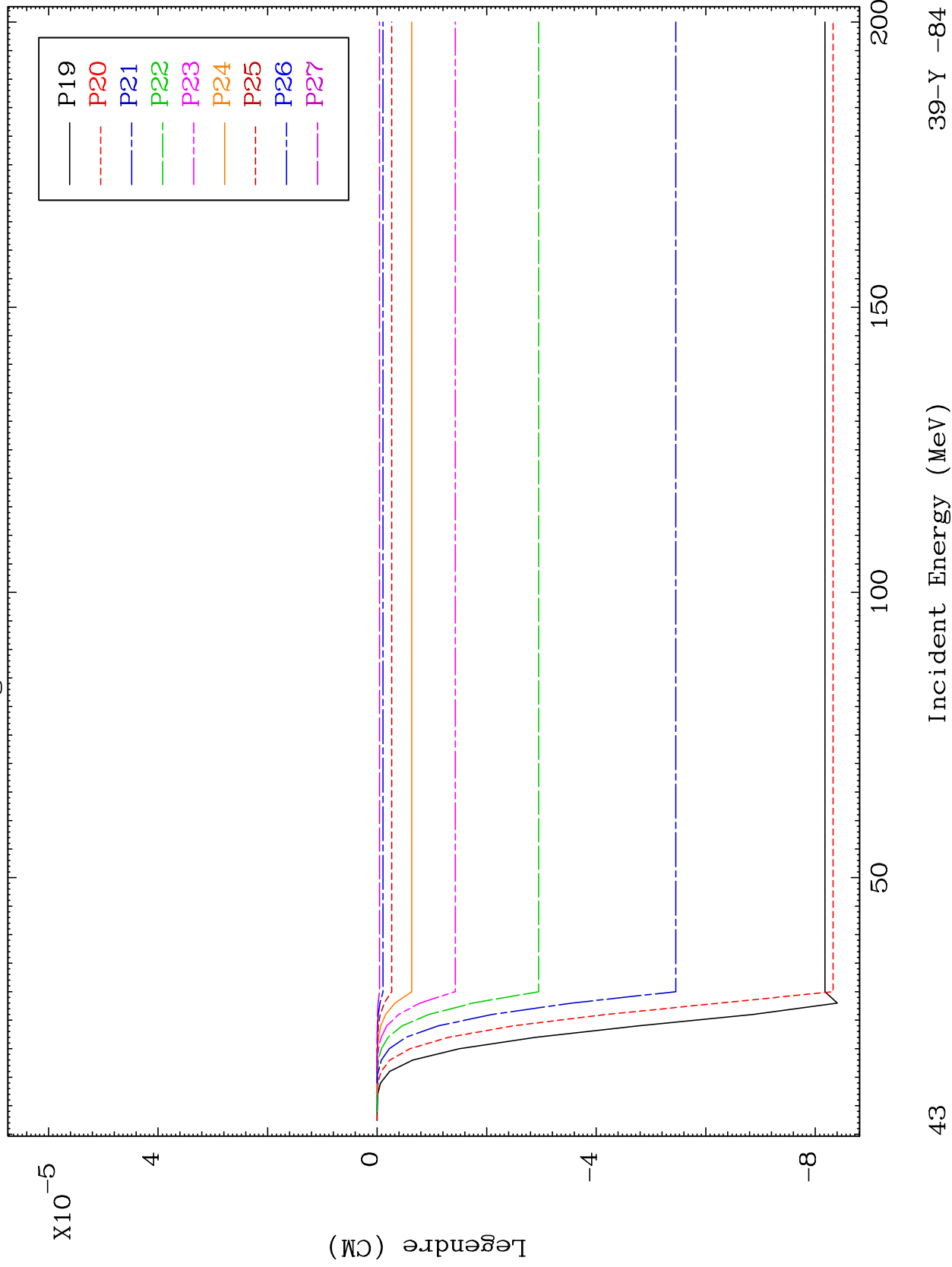
Incident Energy (MeV)

39-Y -84

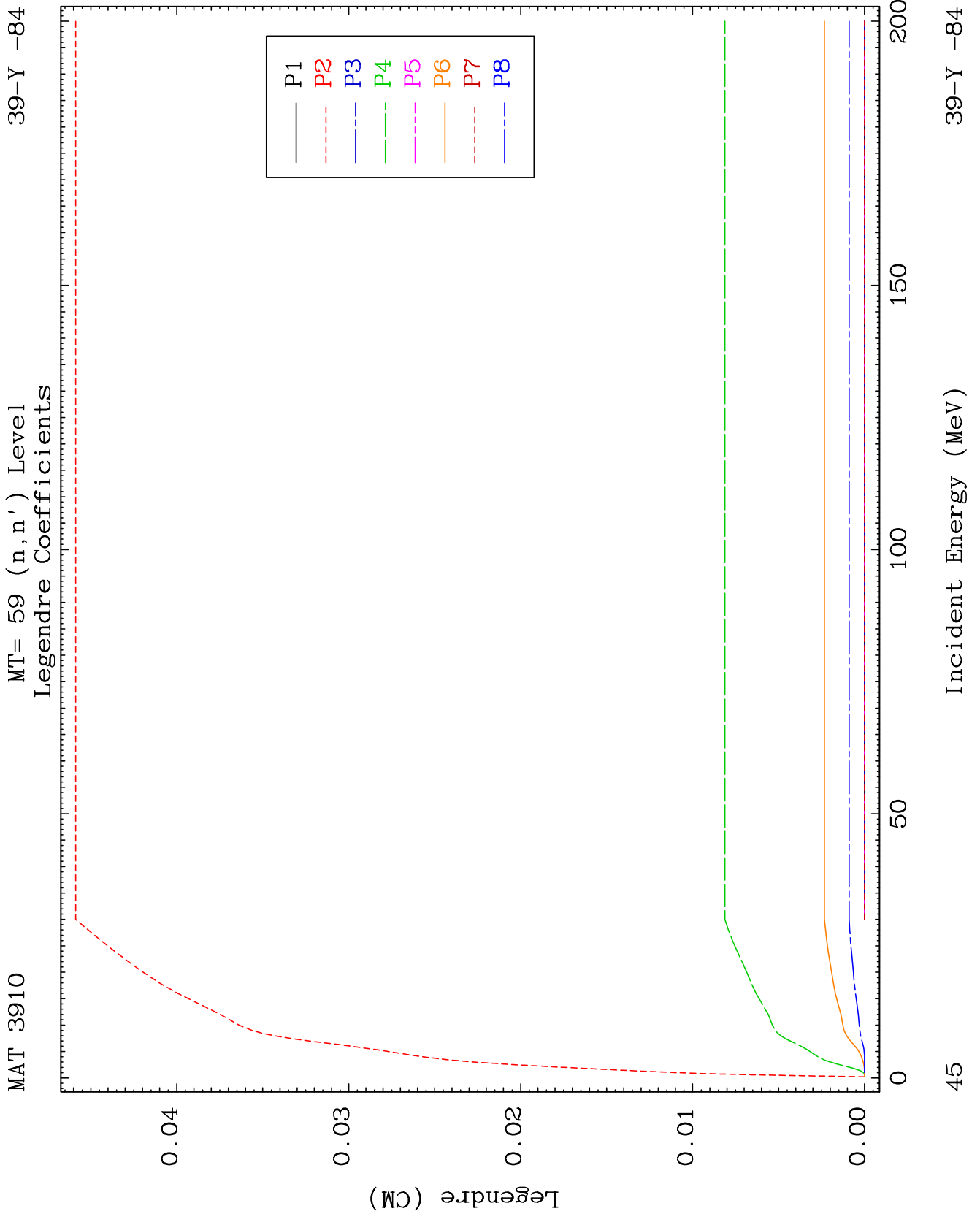
MAT 3910

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

39-Y -84



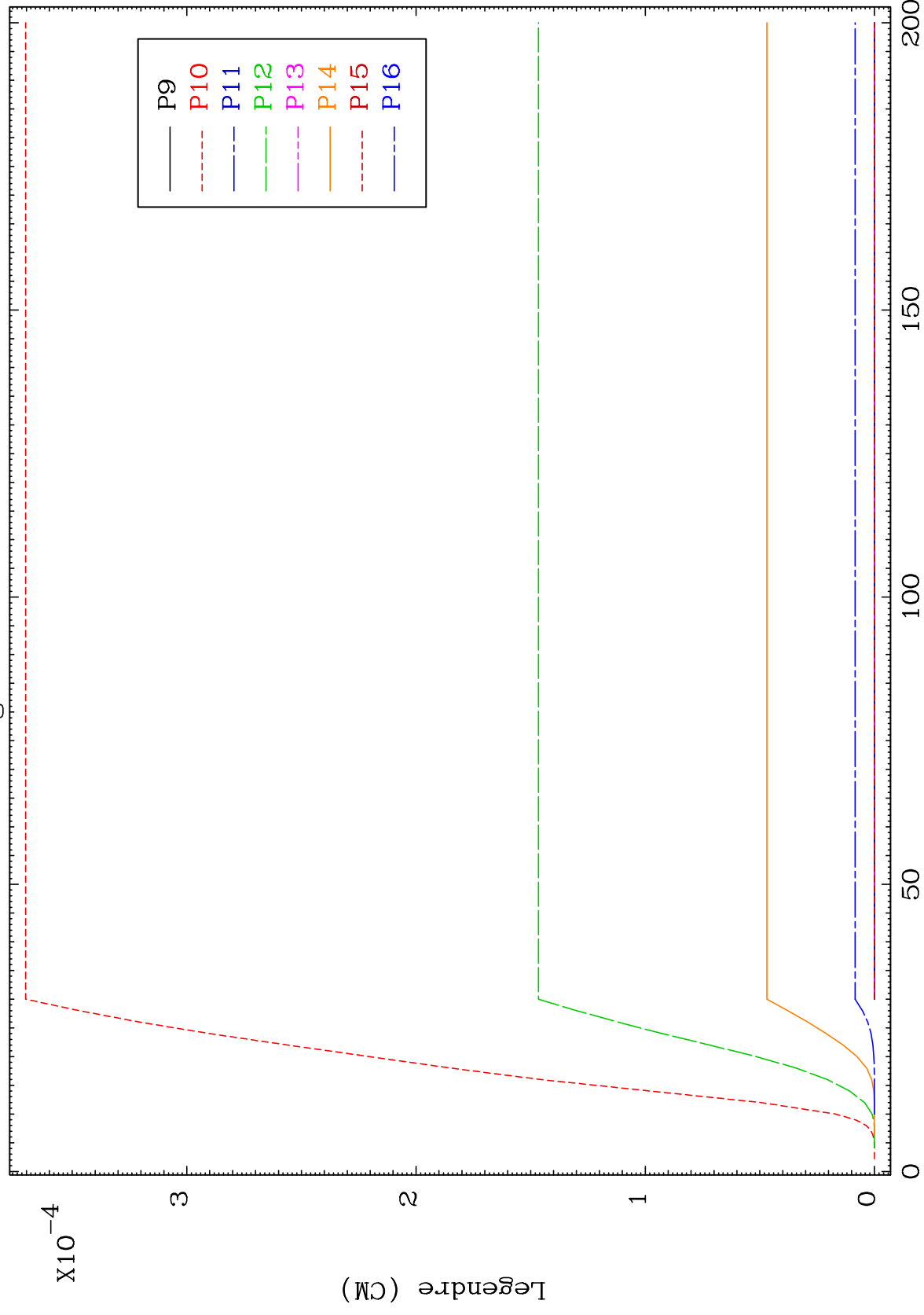




MAT 3910

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

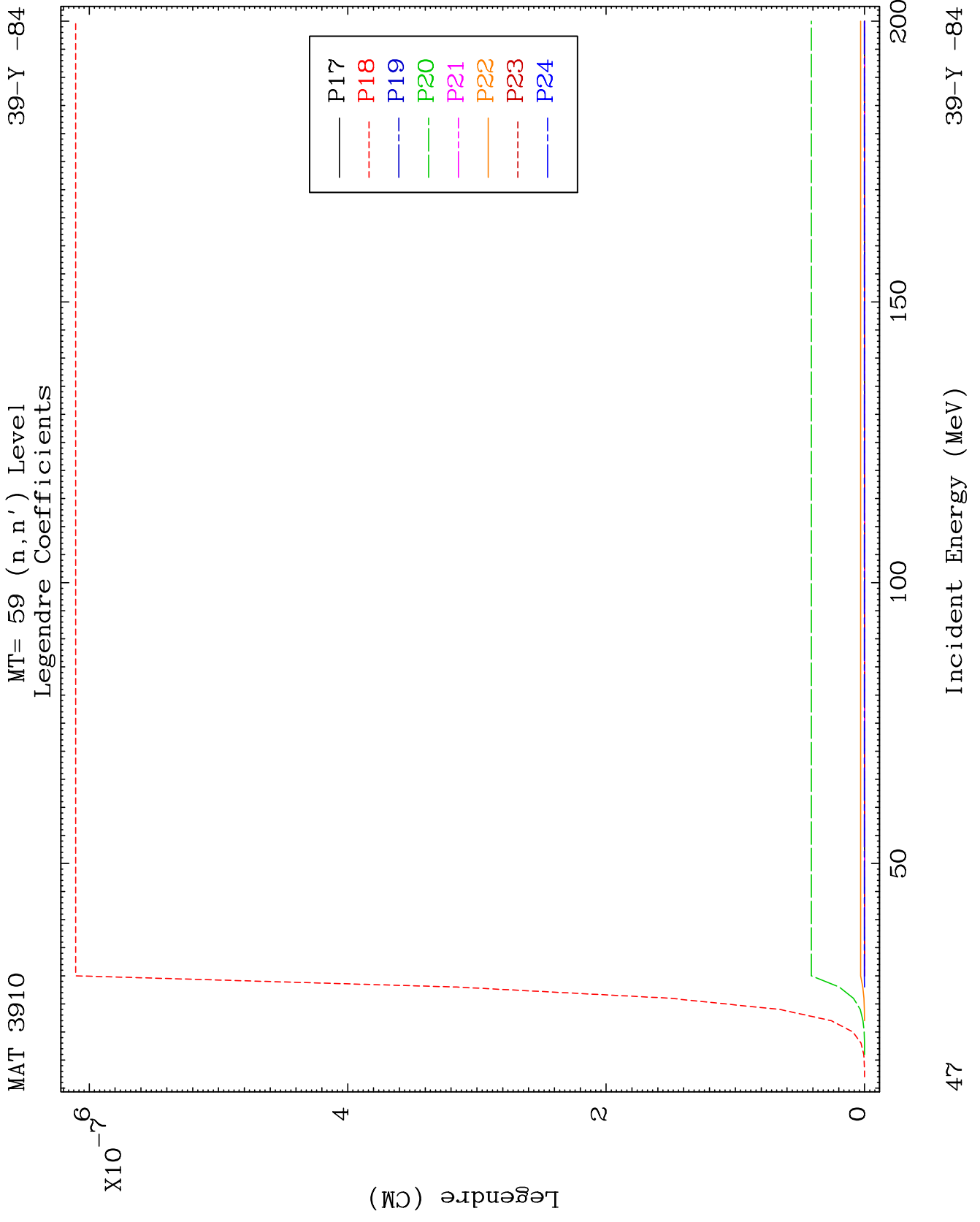
39-Y -84



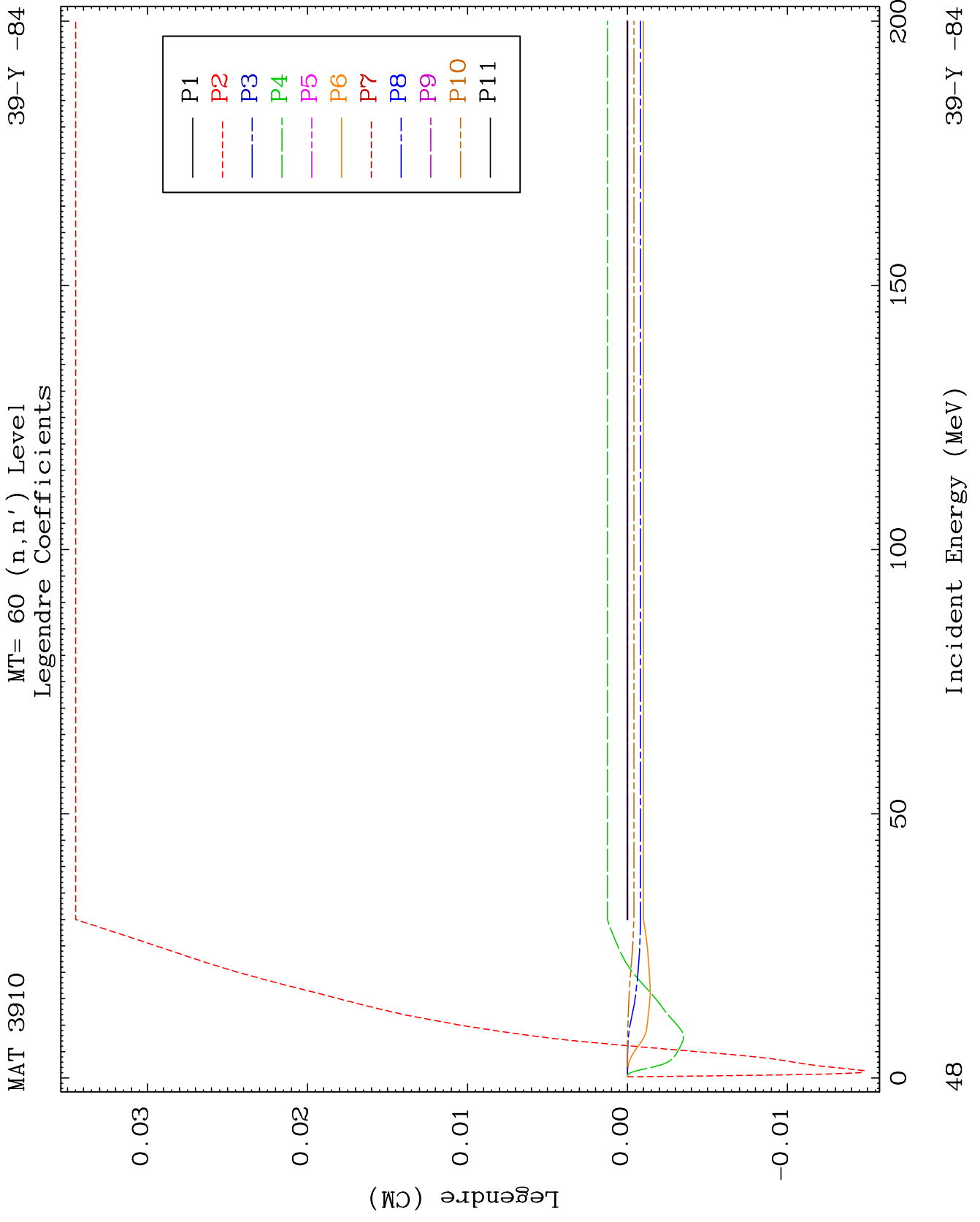
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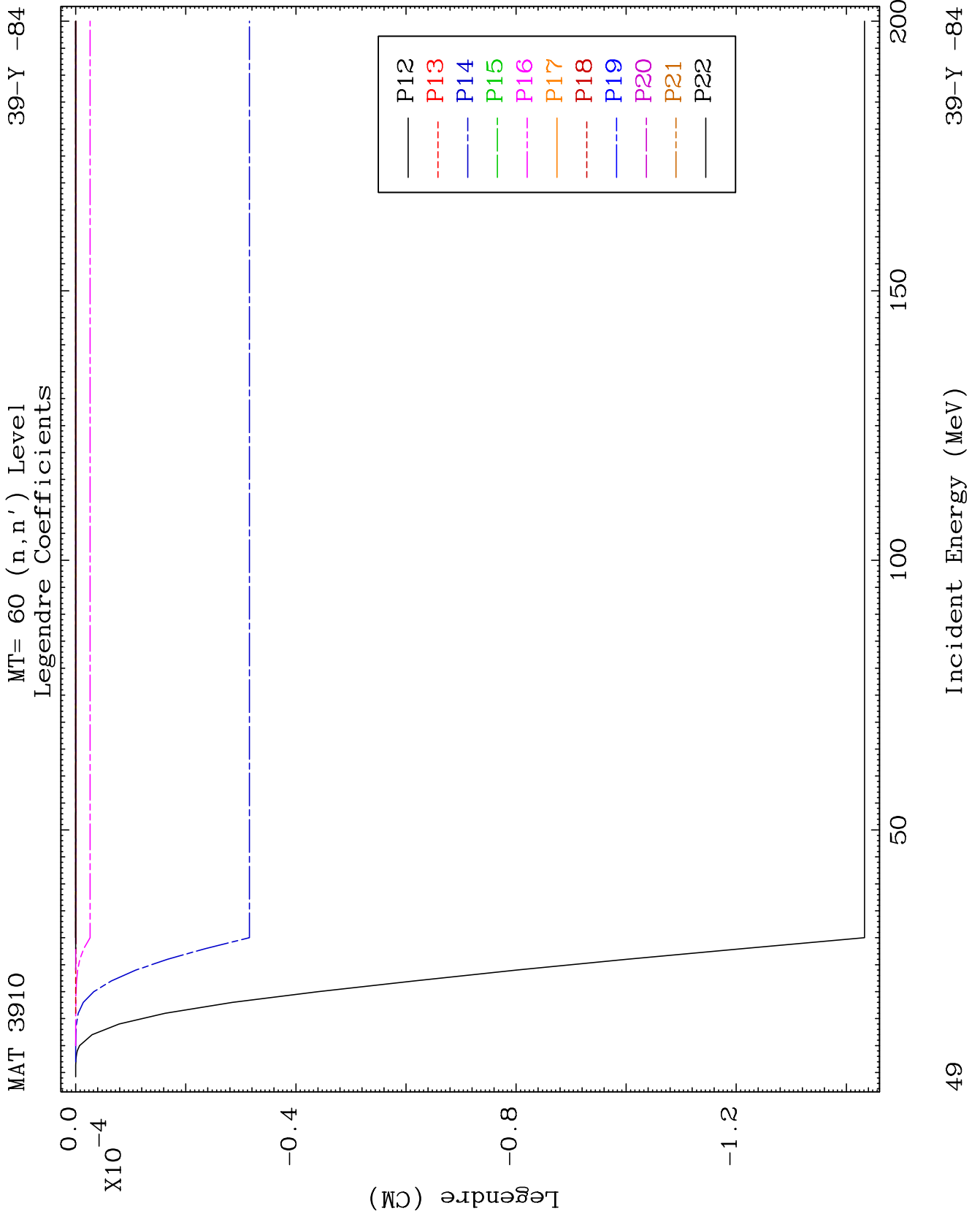
Incident Energy (MeV)

39-Y -84





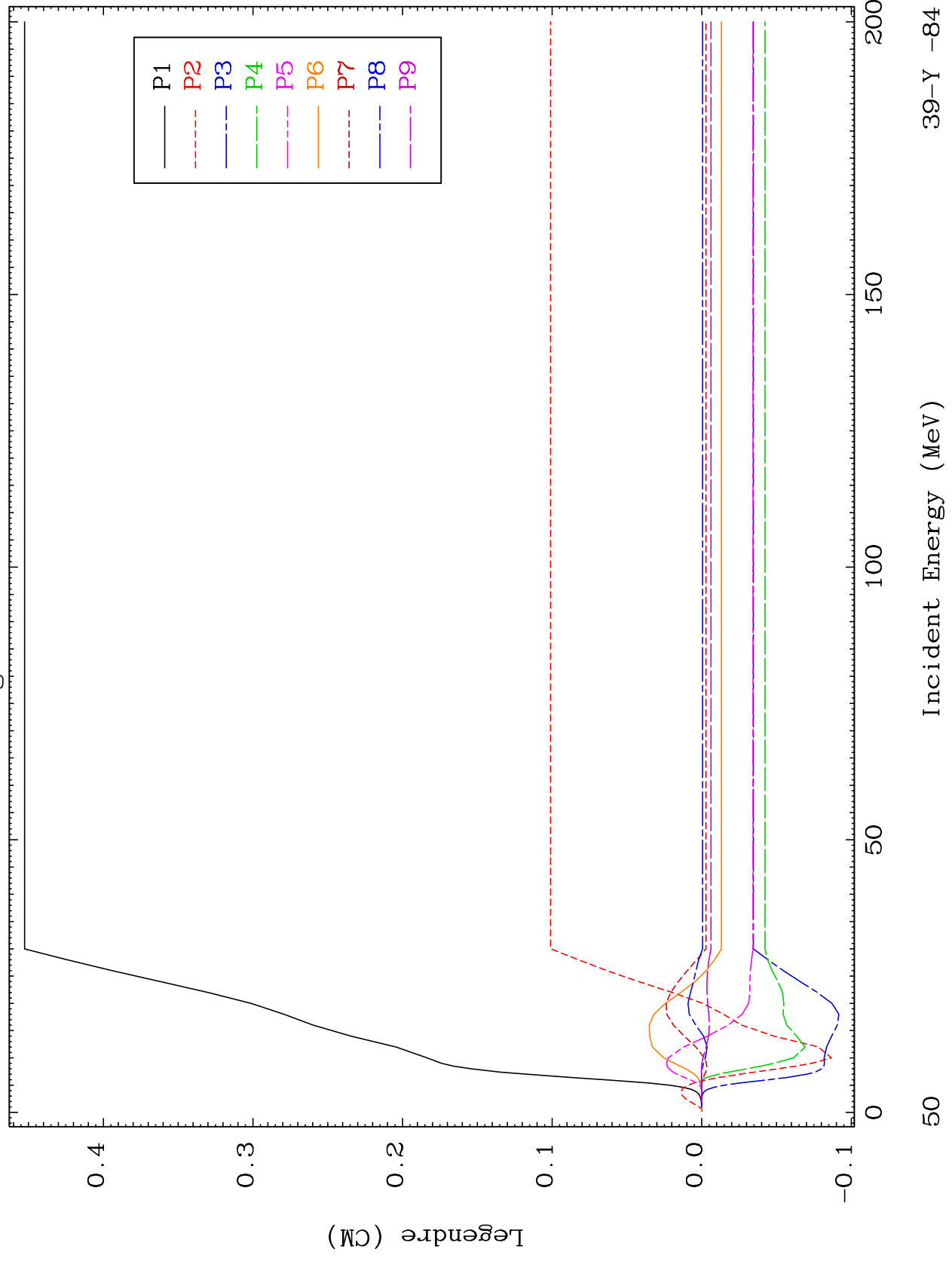




MAT 3910

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

39-Y -84

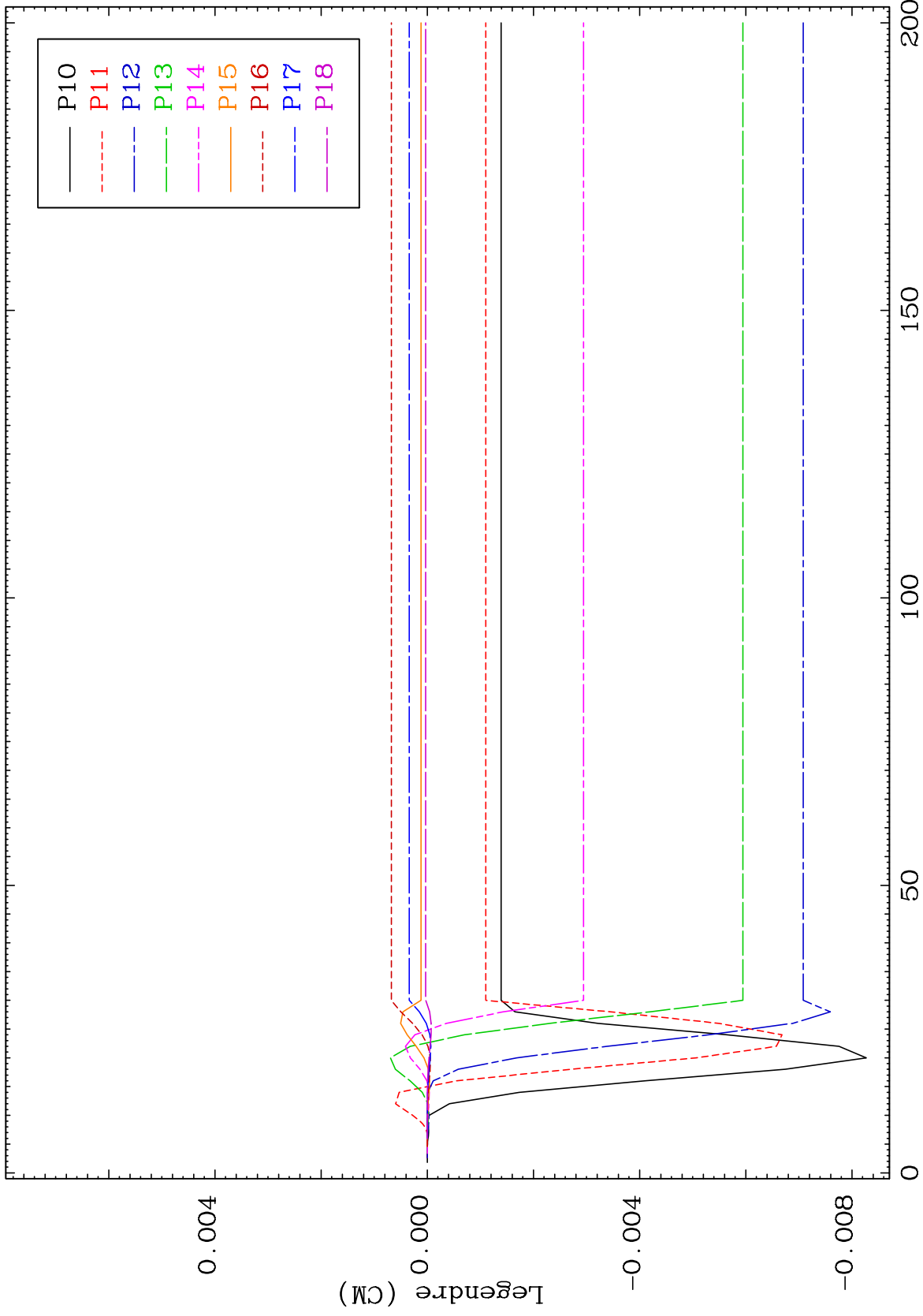


39-Y -84

MAT 3910

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

39-Y -84



51

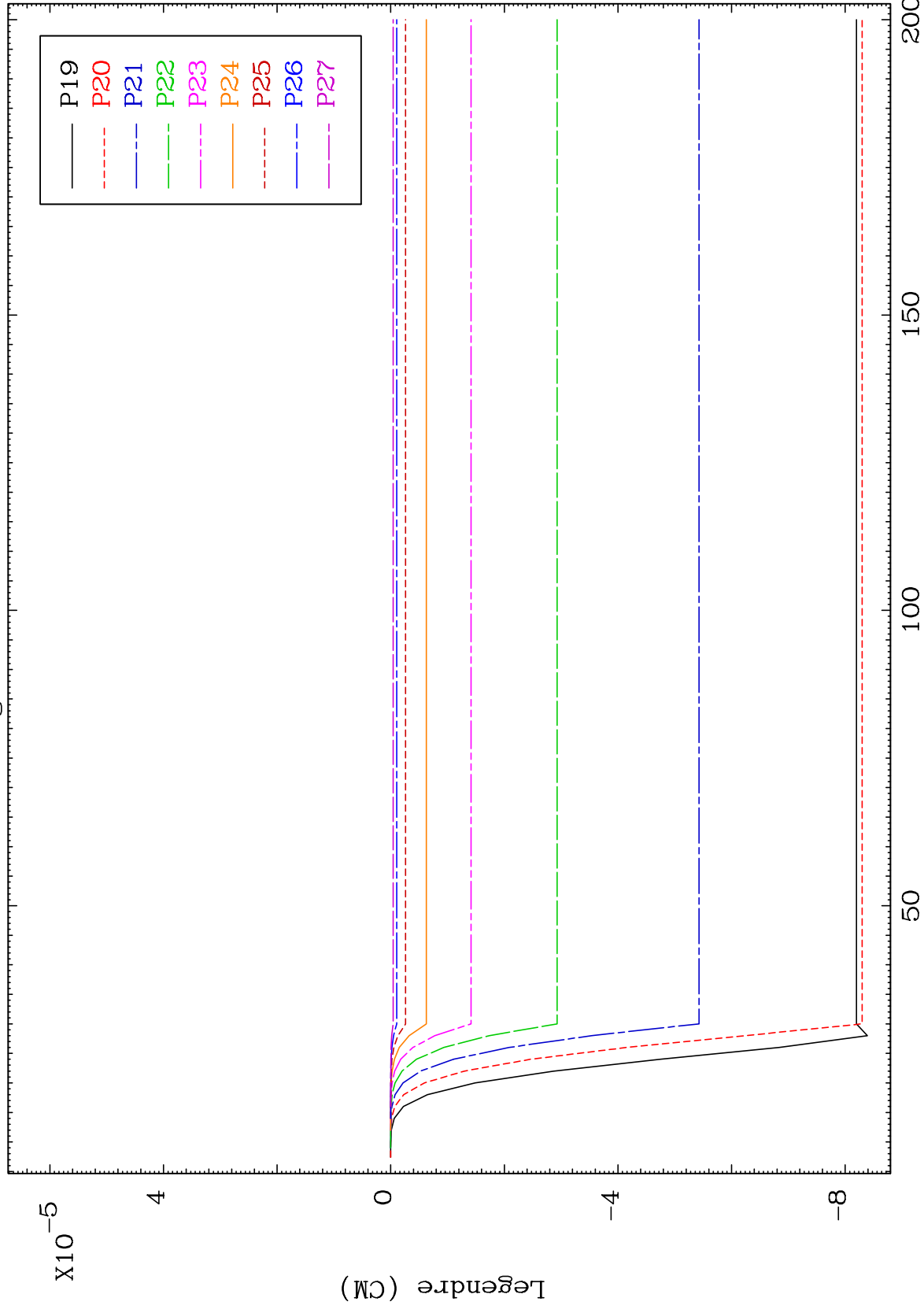
Incident Energy (MeV)

39-Y -84

MAT 3910

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

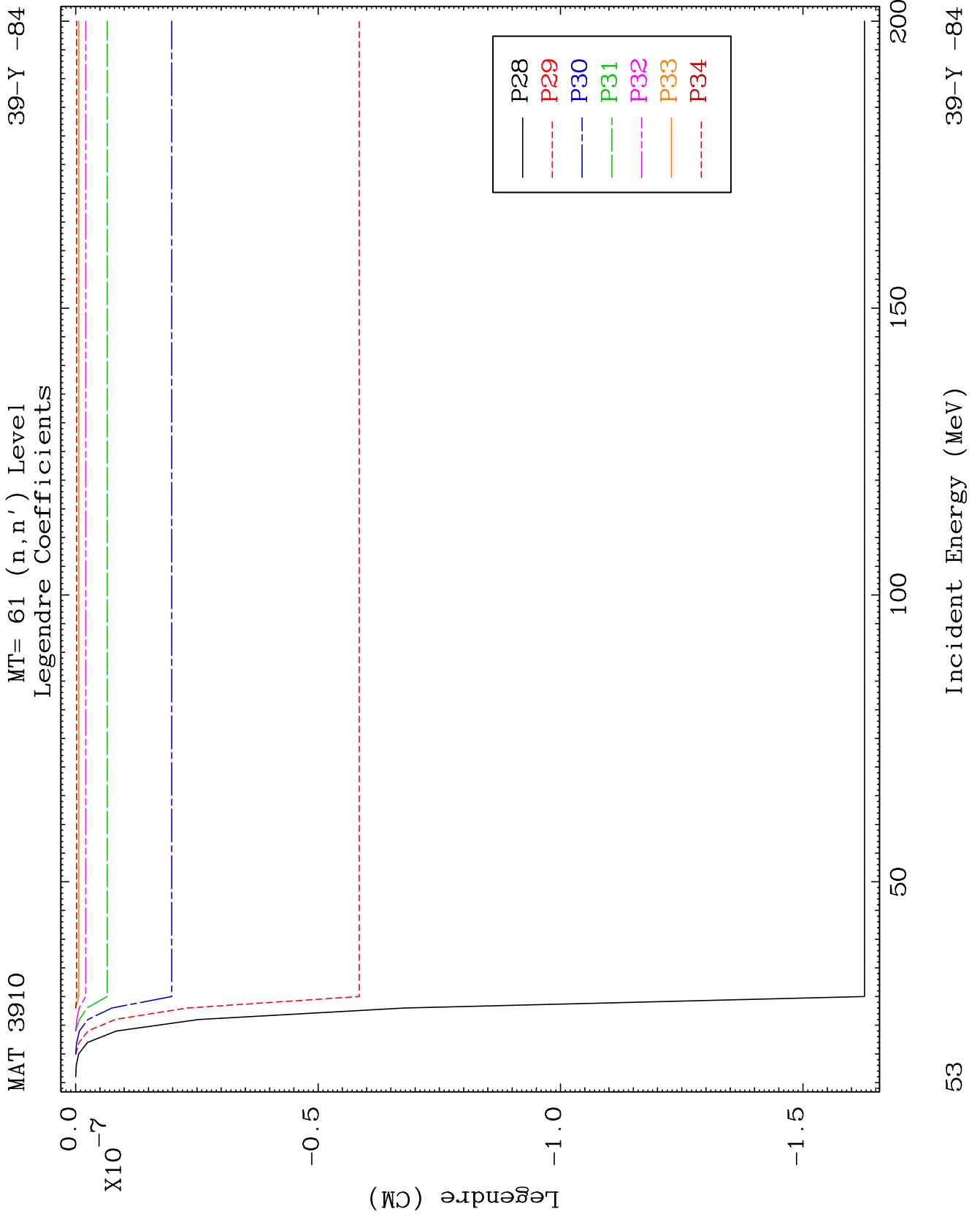
39-Y -84



52

Incident Energy (MeV)

39-Y -84

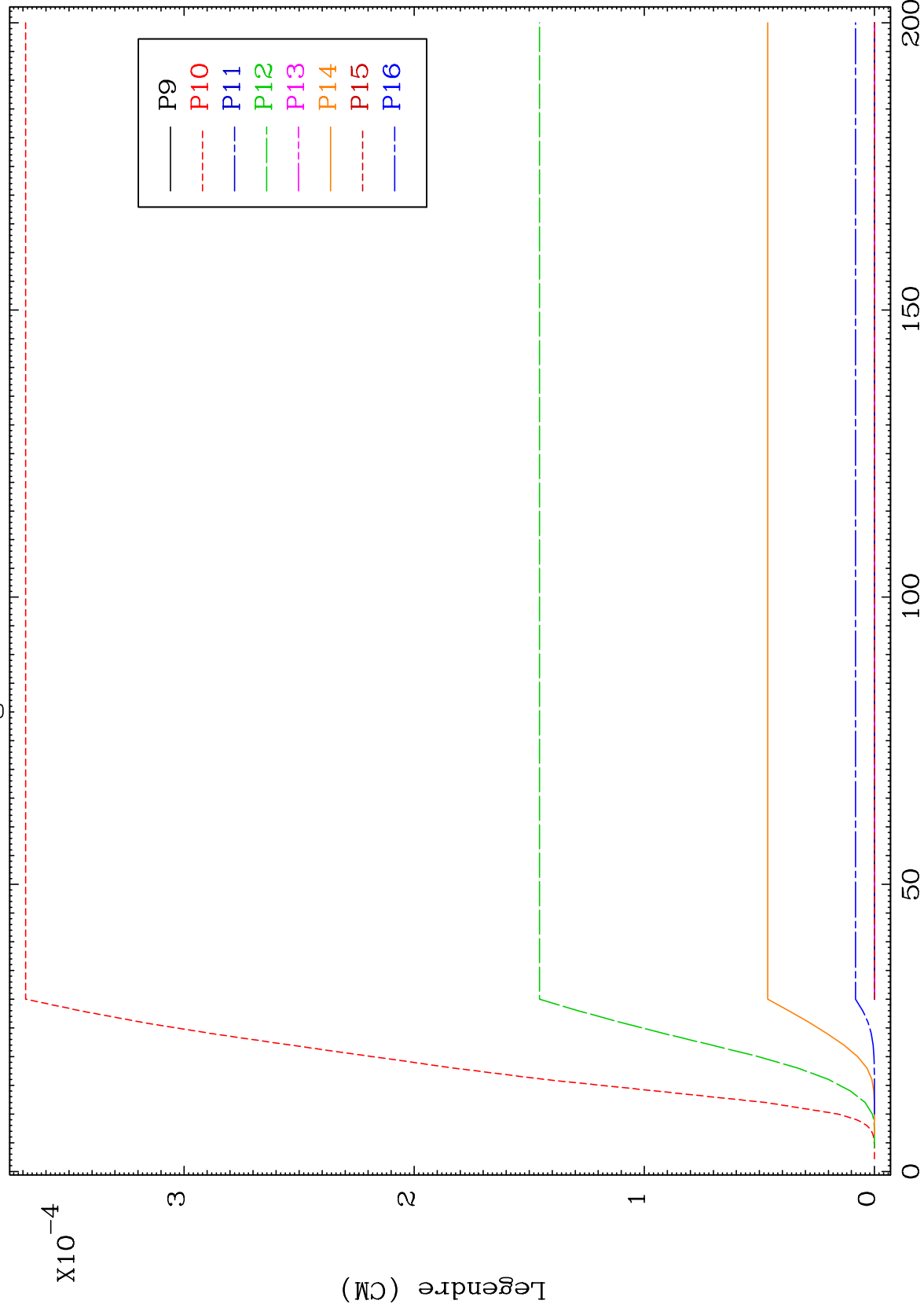




MAT 3910

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

39-Y -84



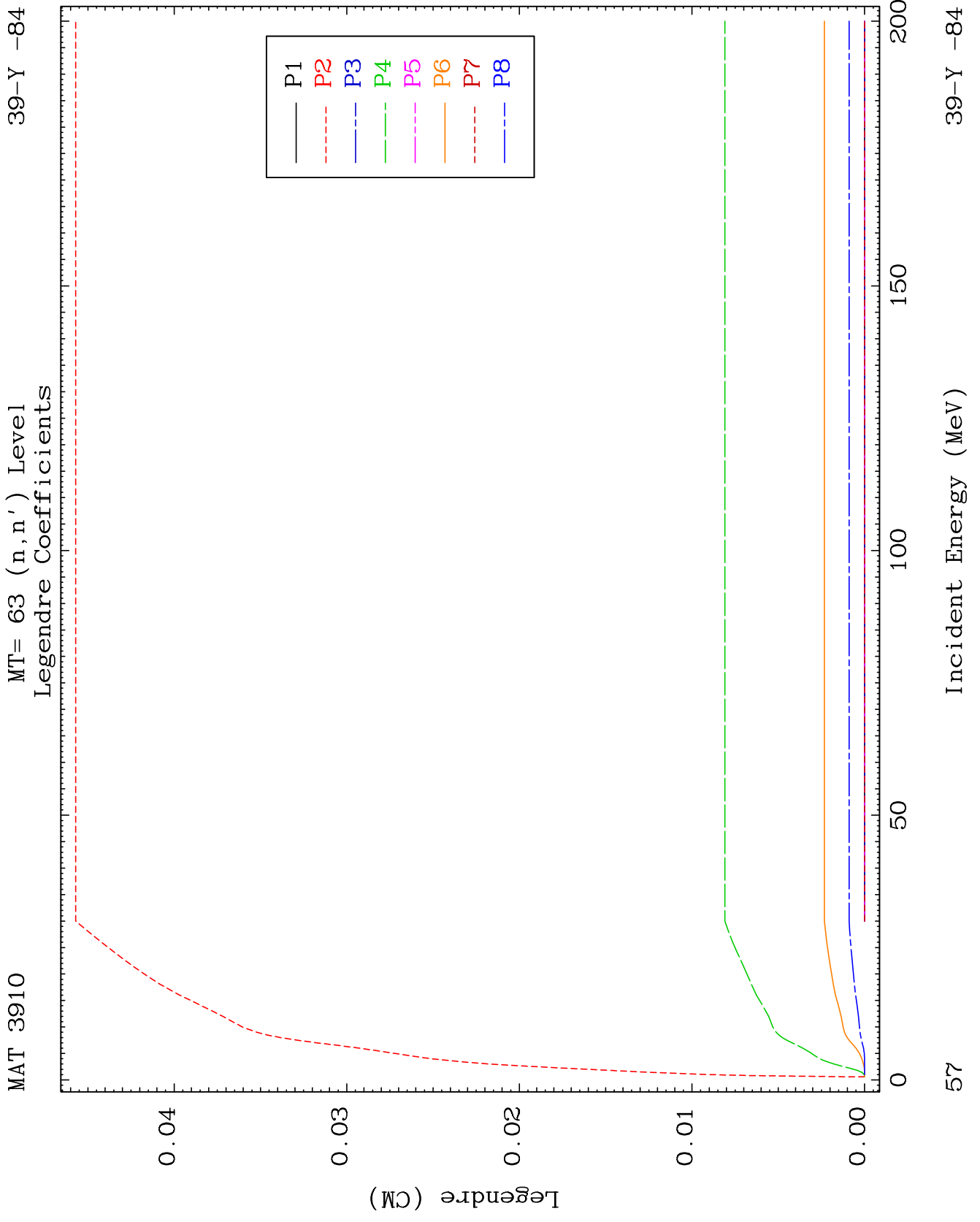
55

Incident Energy (MeV)

39-Y -84



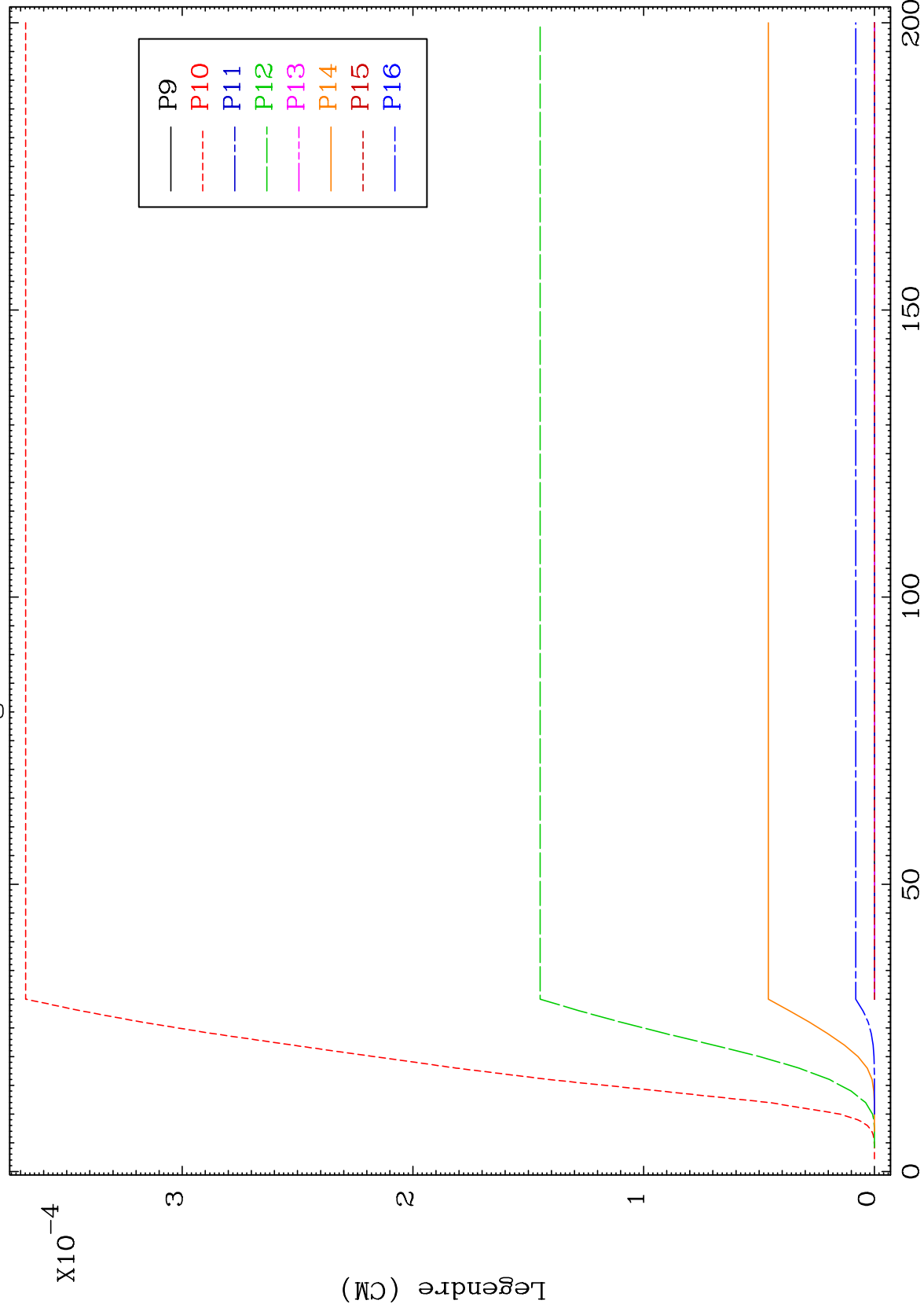




MAT 3910

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

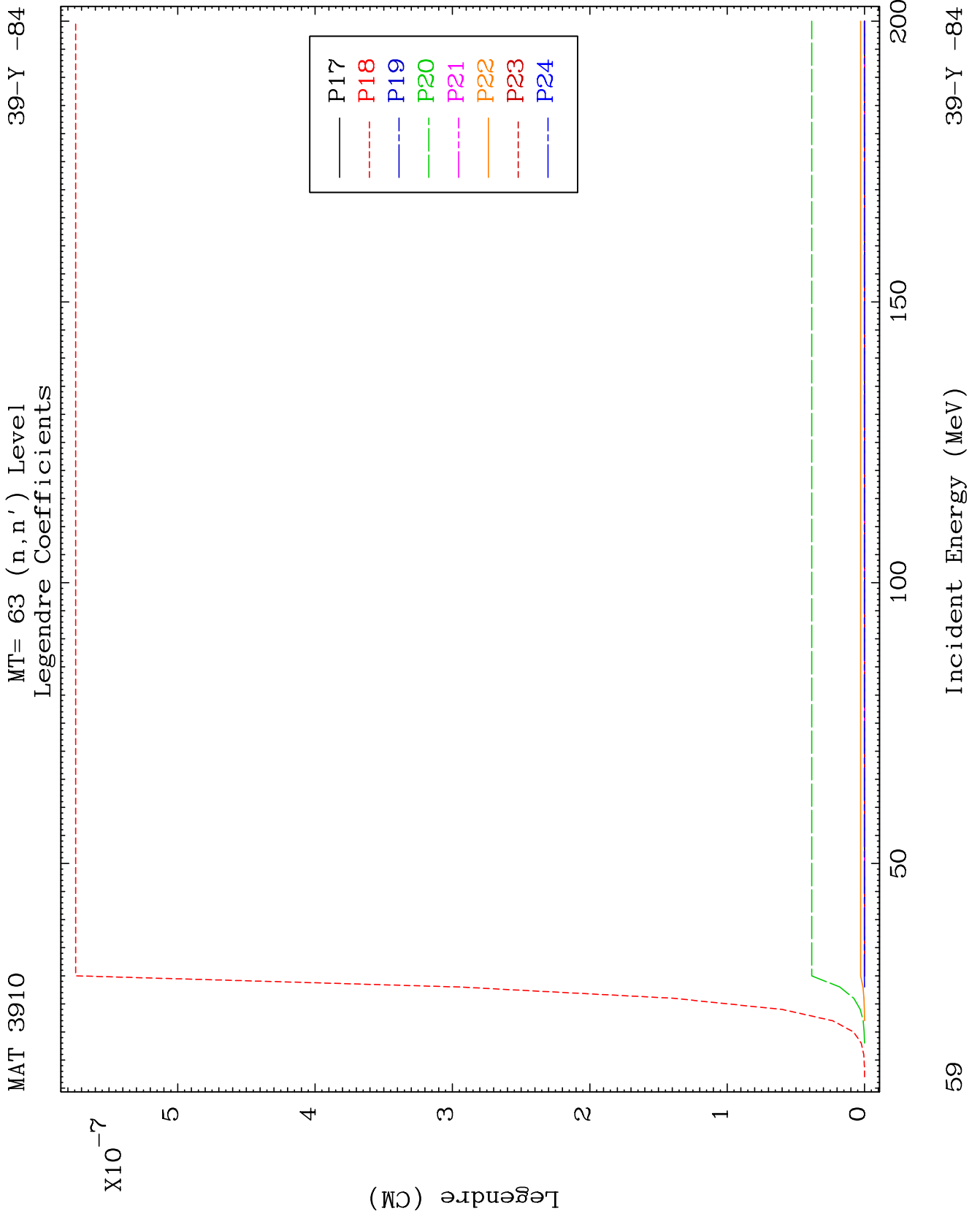
39-Y -84

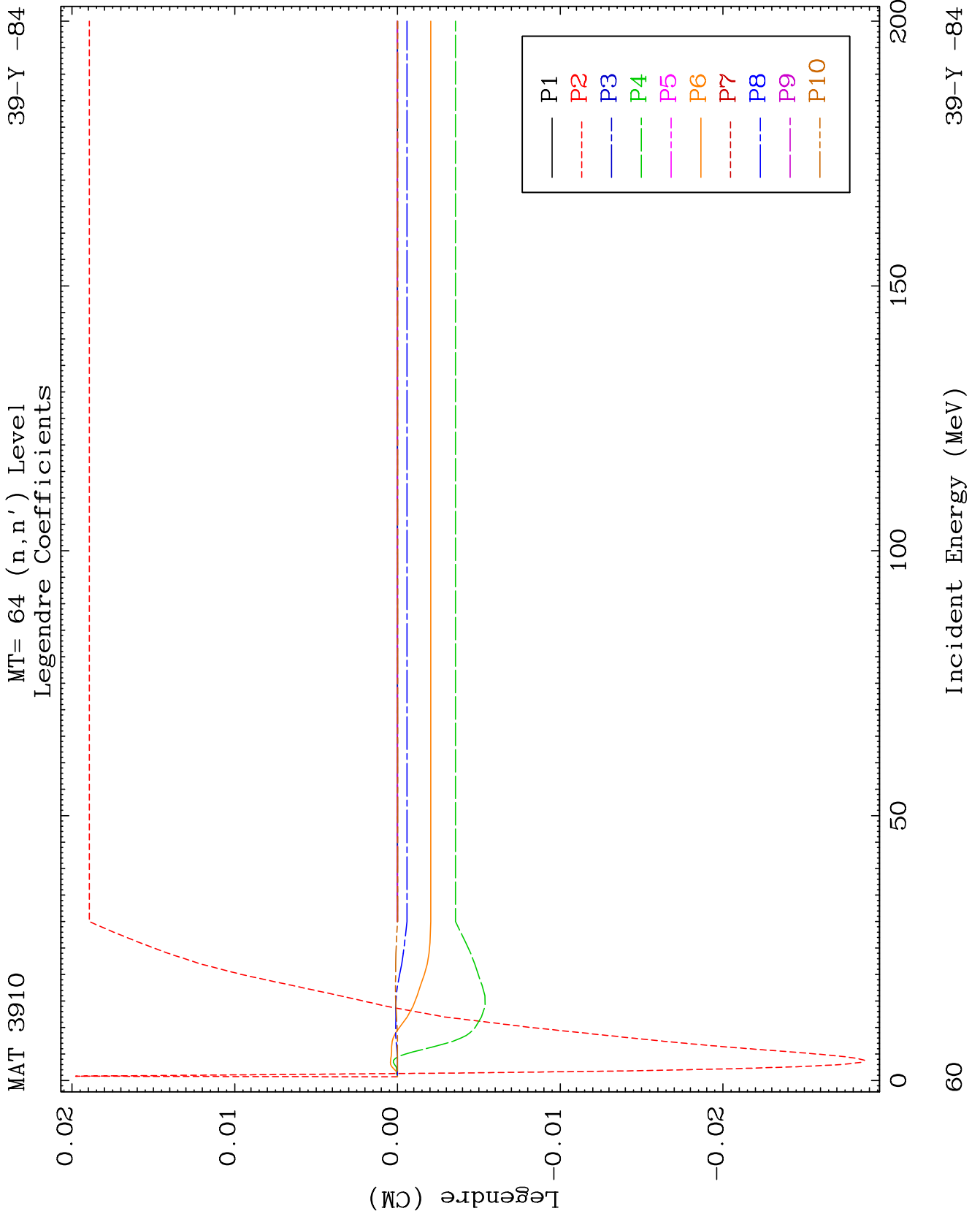


58

Incident Energy (MeV)

39-Y -84

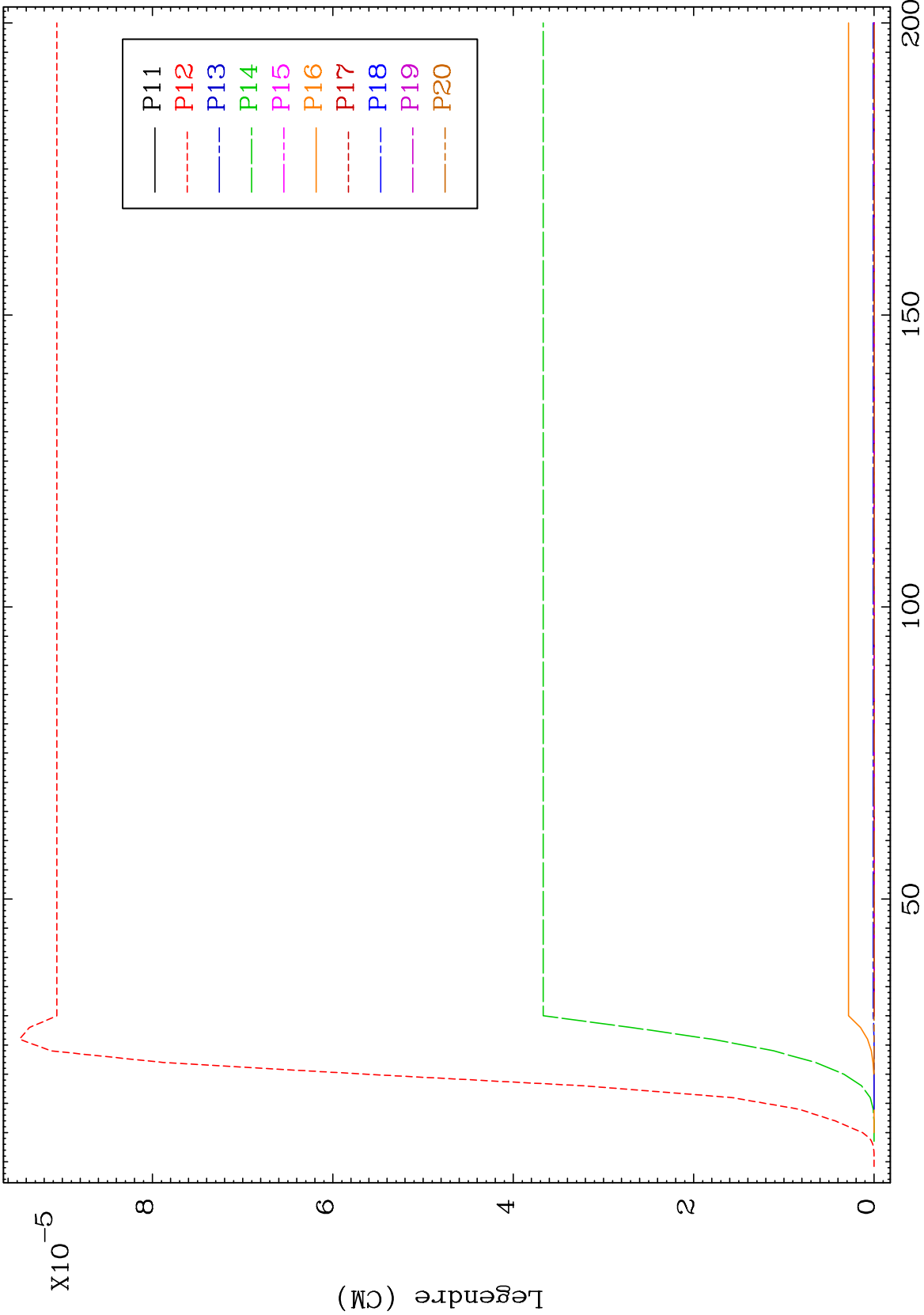




MAT 3910

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

39-Y -84



61

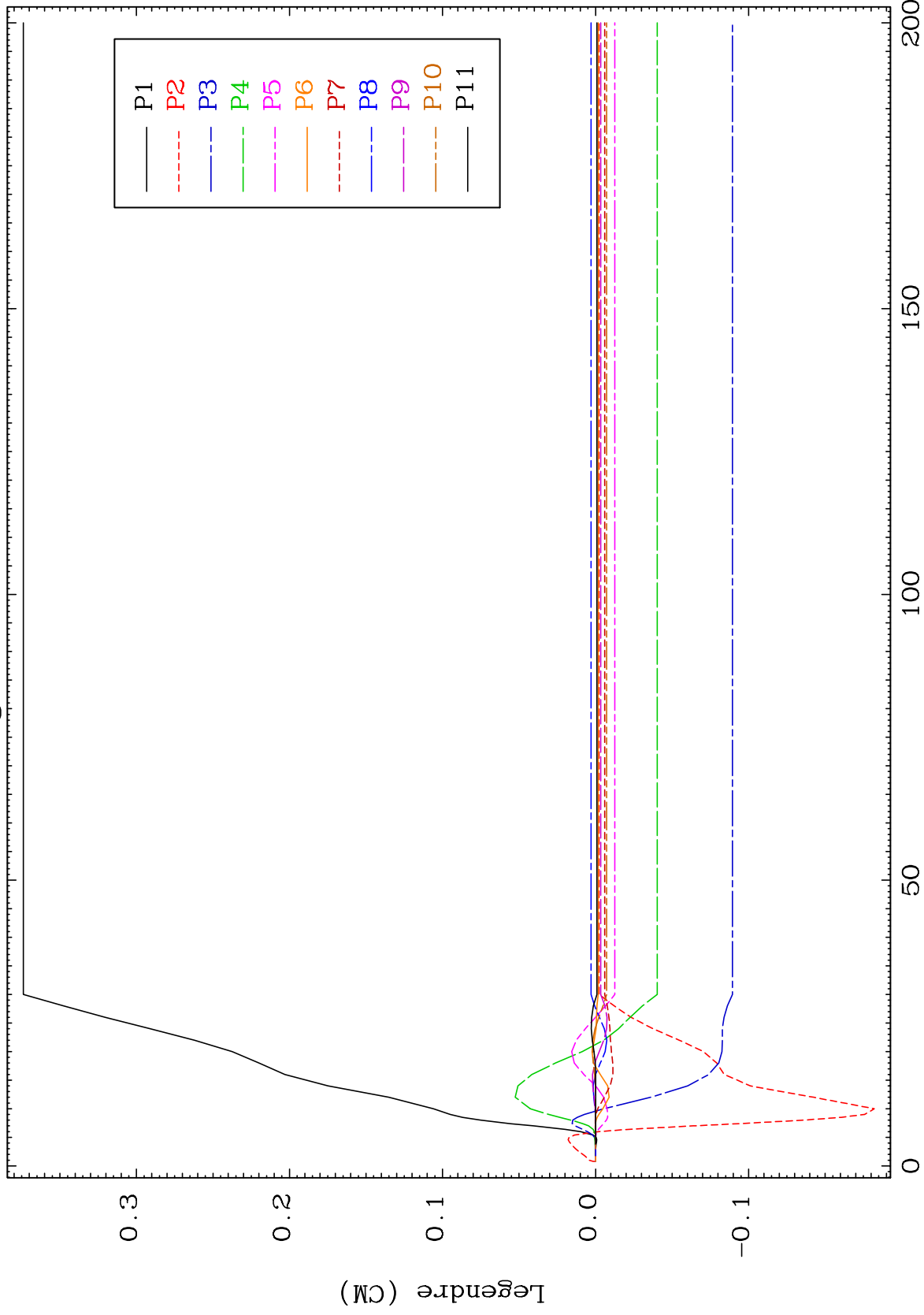
Incident Energy (MeV)

39-Y -84

MAT 3910

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

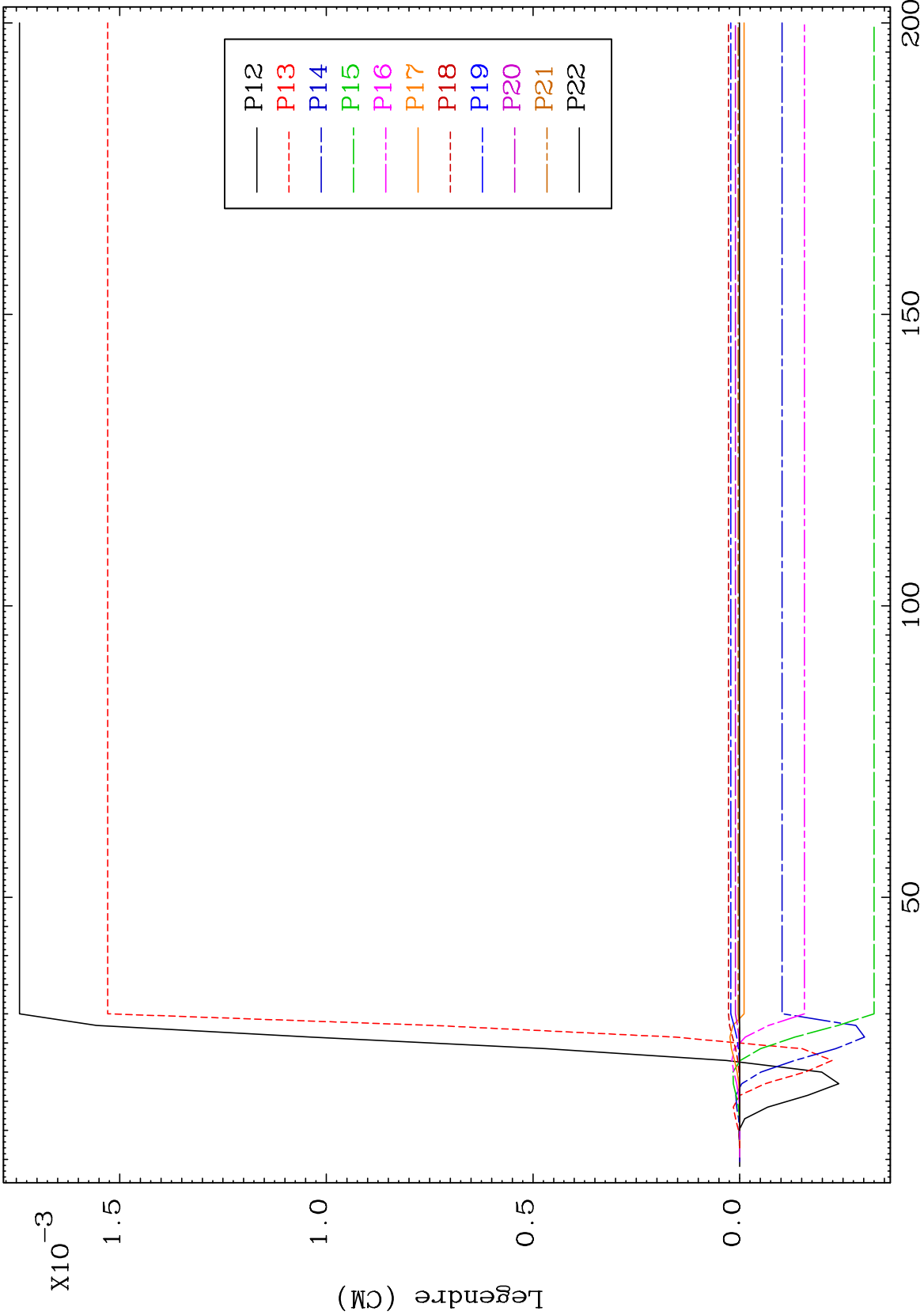
39-Y -84



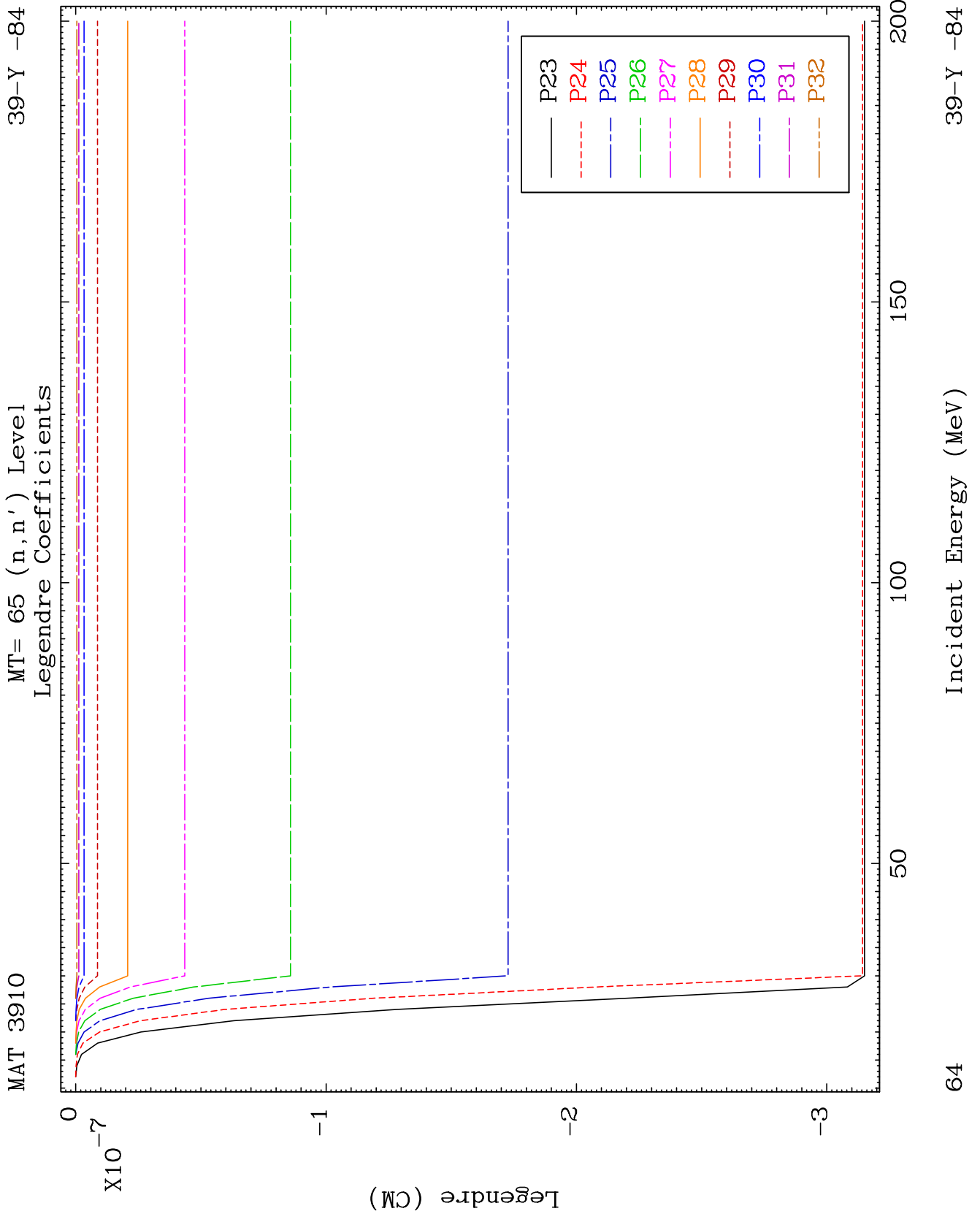
62

Incident Energy (MeV)

39-Y -84



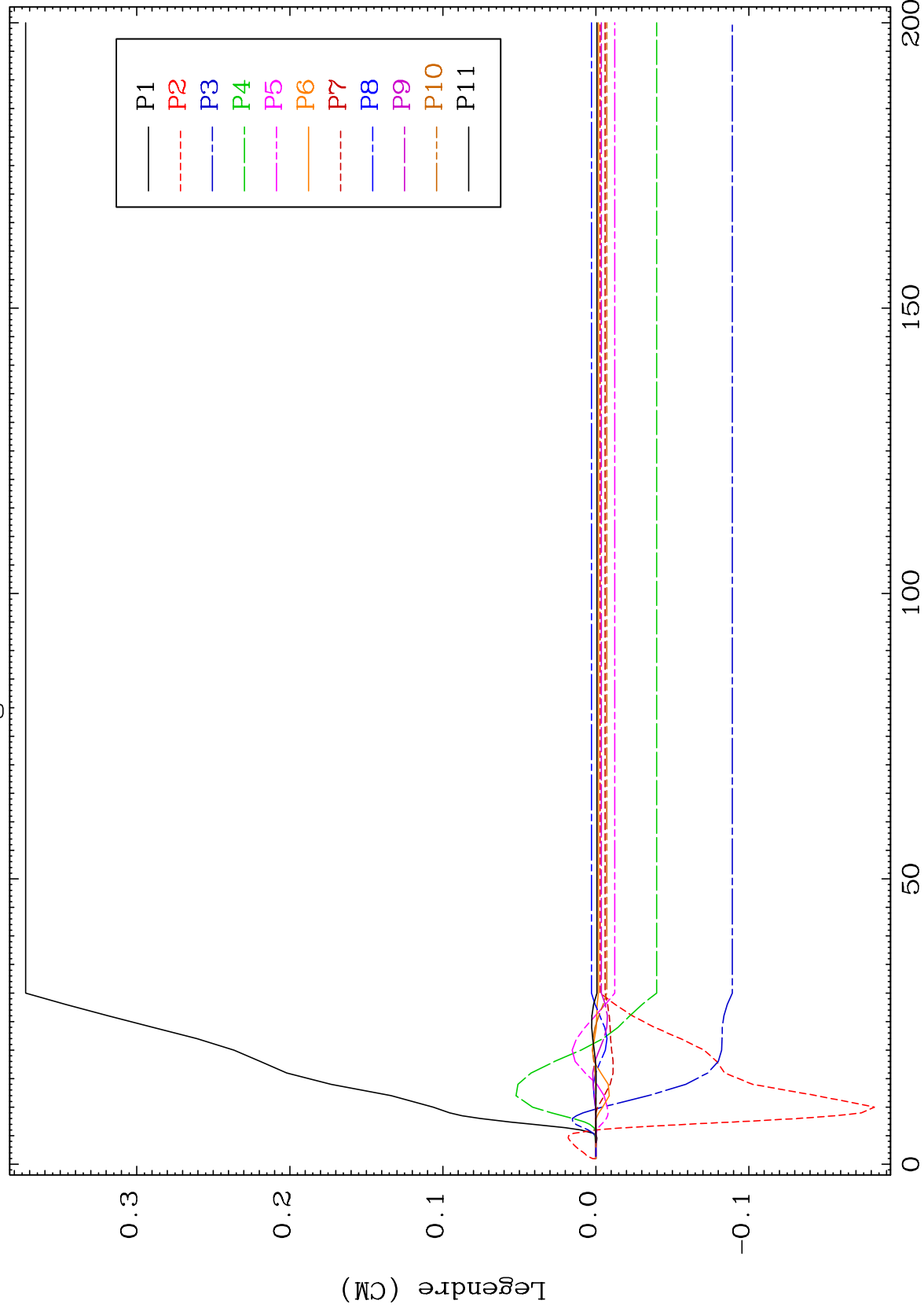




MAT 3910

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

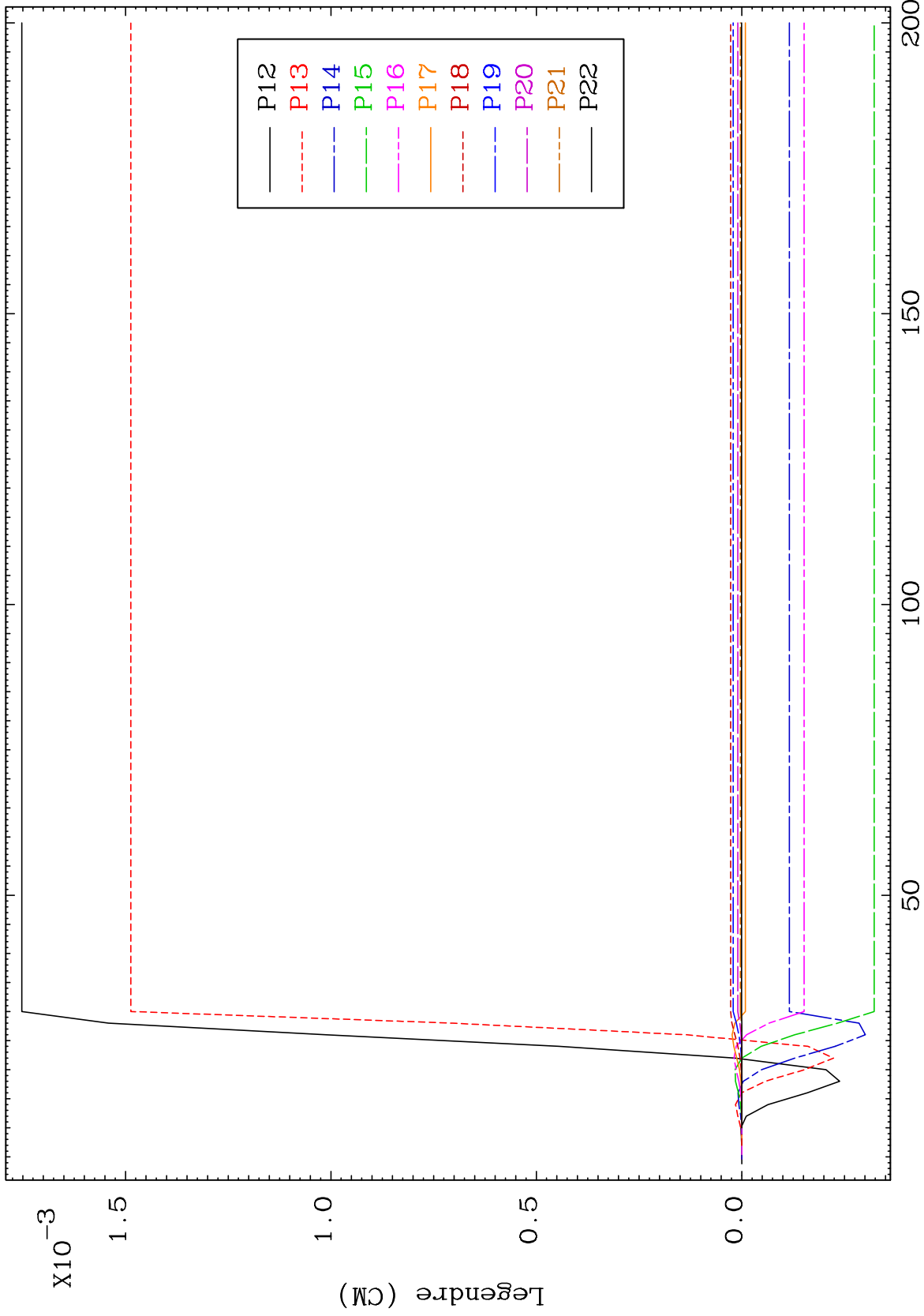
39-Y -84

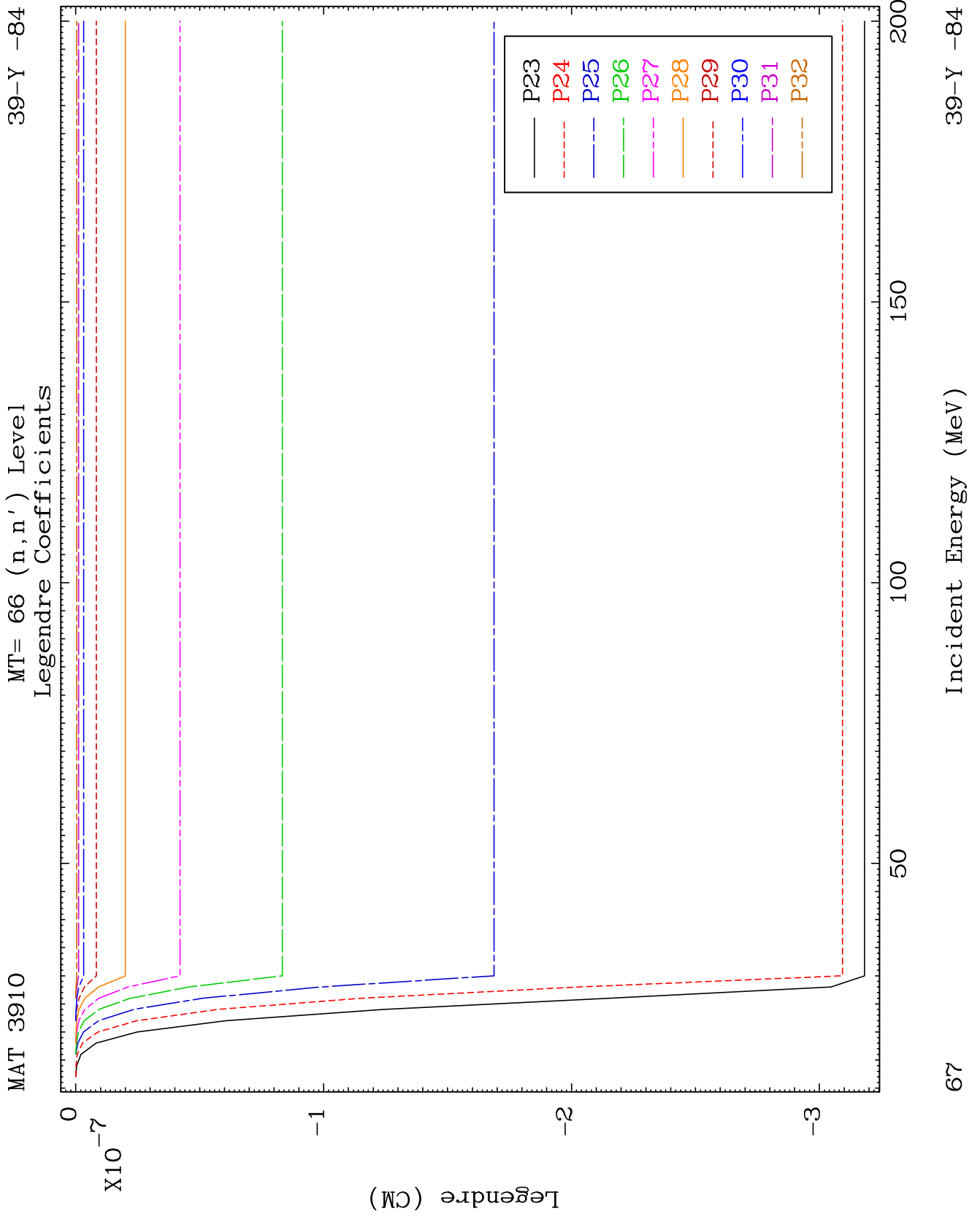


39-Y -84

Incident Energy (MeV)

65

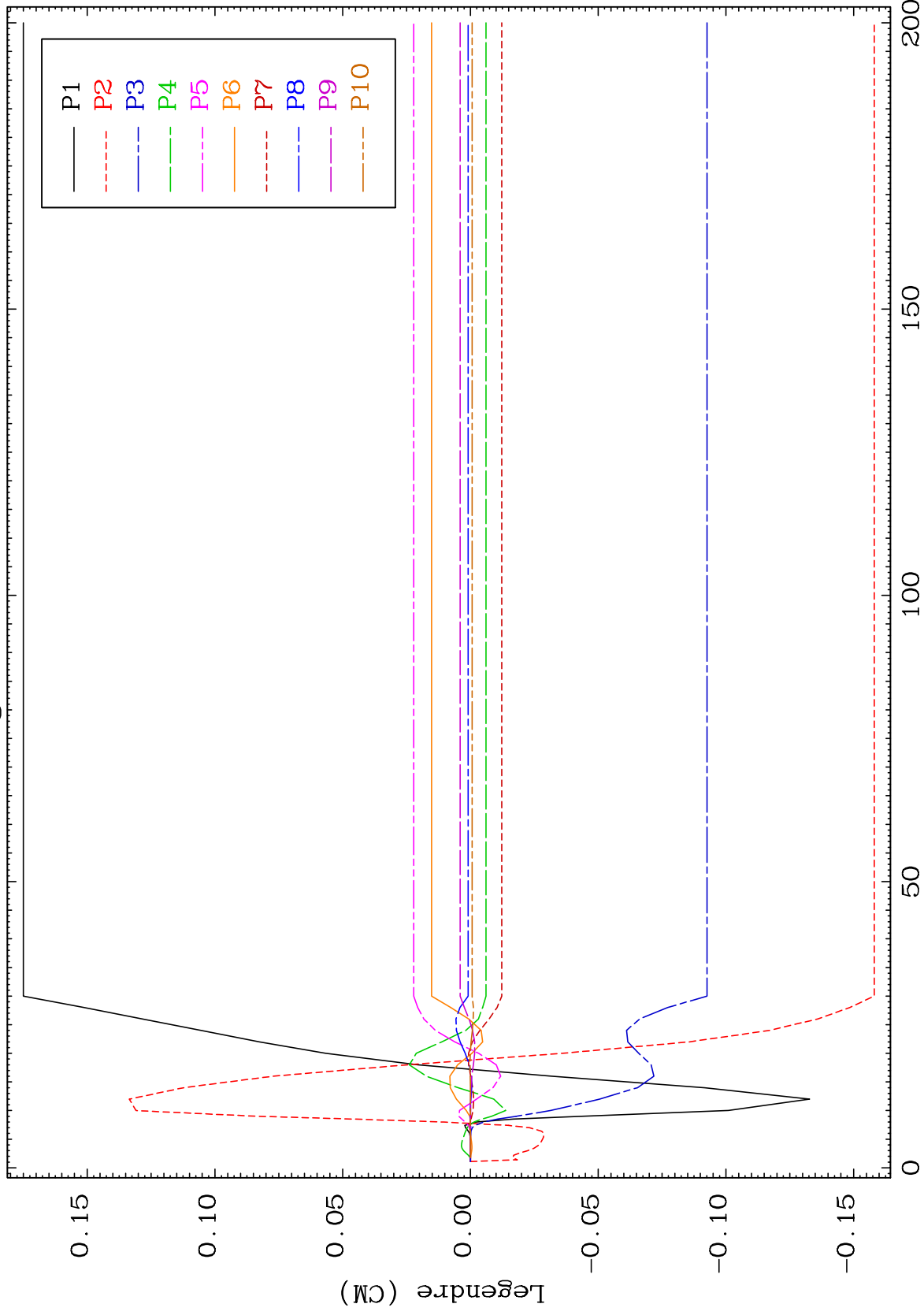




MAT 3910

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

39-Y -84



68

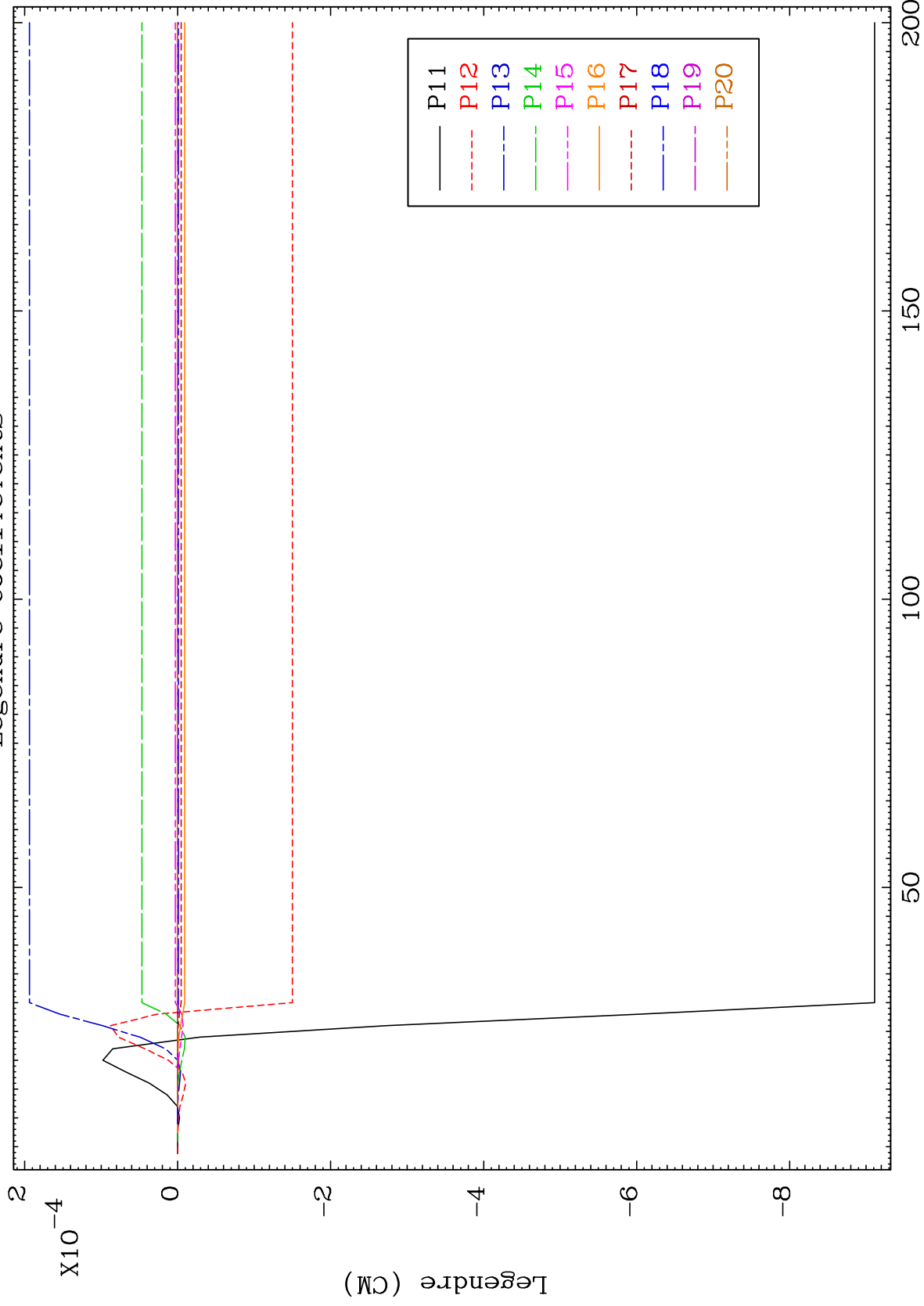
Incident Energy (MeV)

39-Y -84

MAT 3910

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

39-Y -84



69

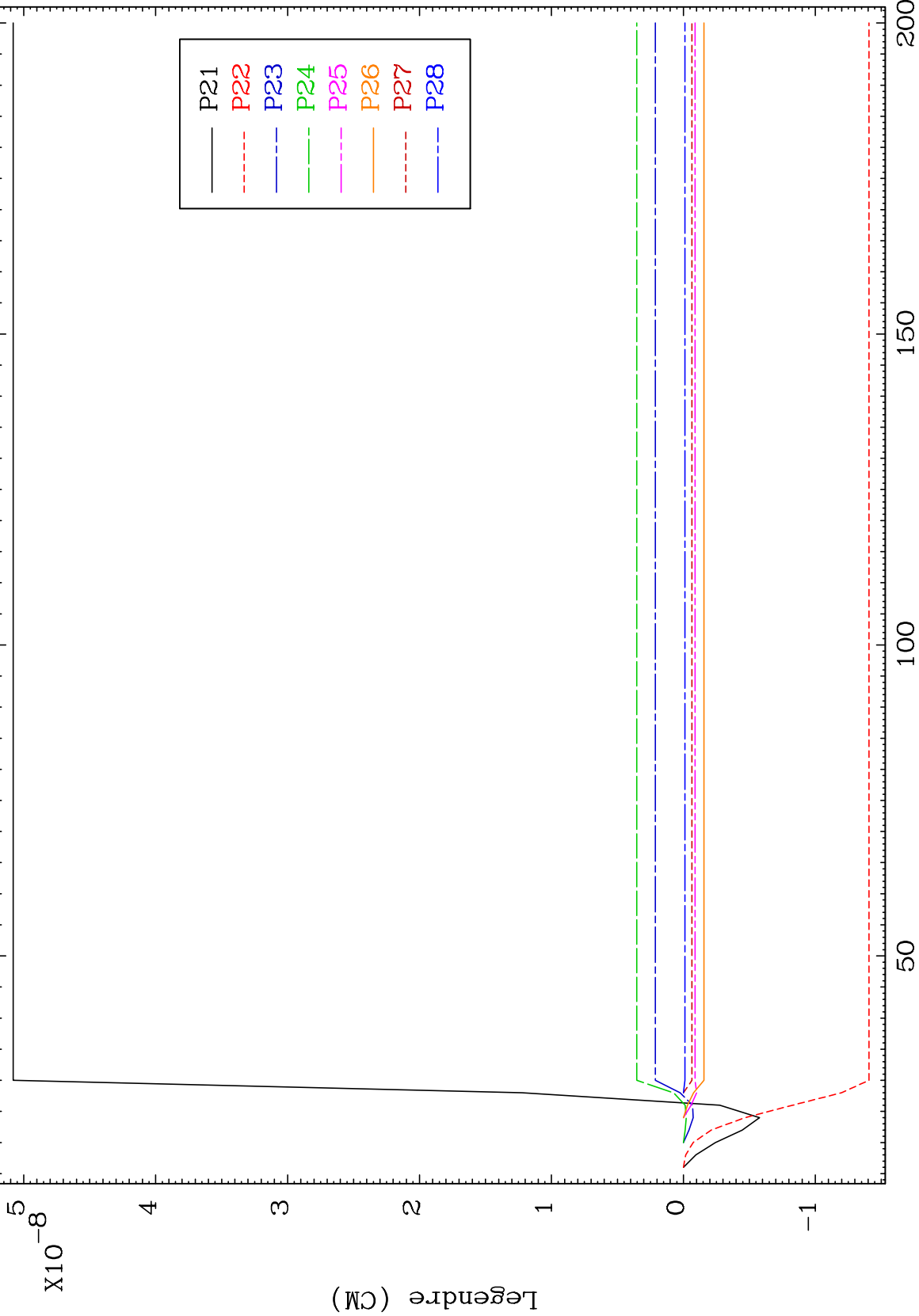
Incident Energy (MeV)

39-Y -84

MAT 3910

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

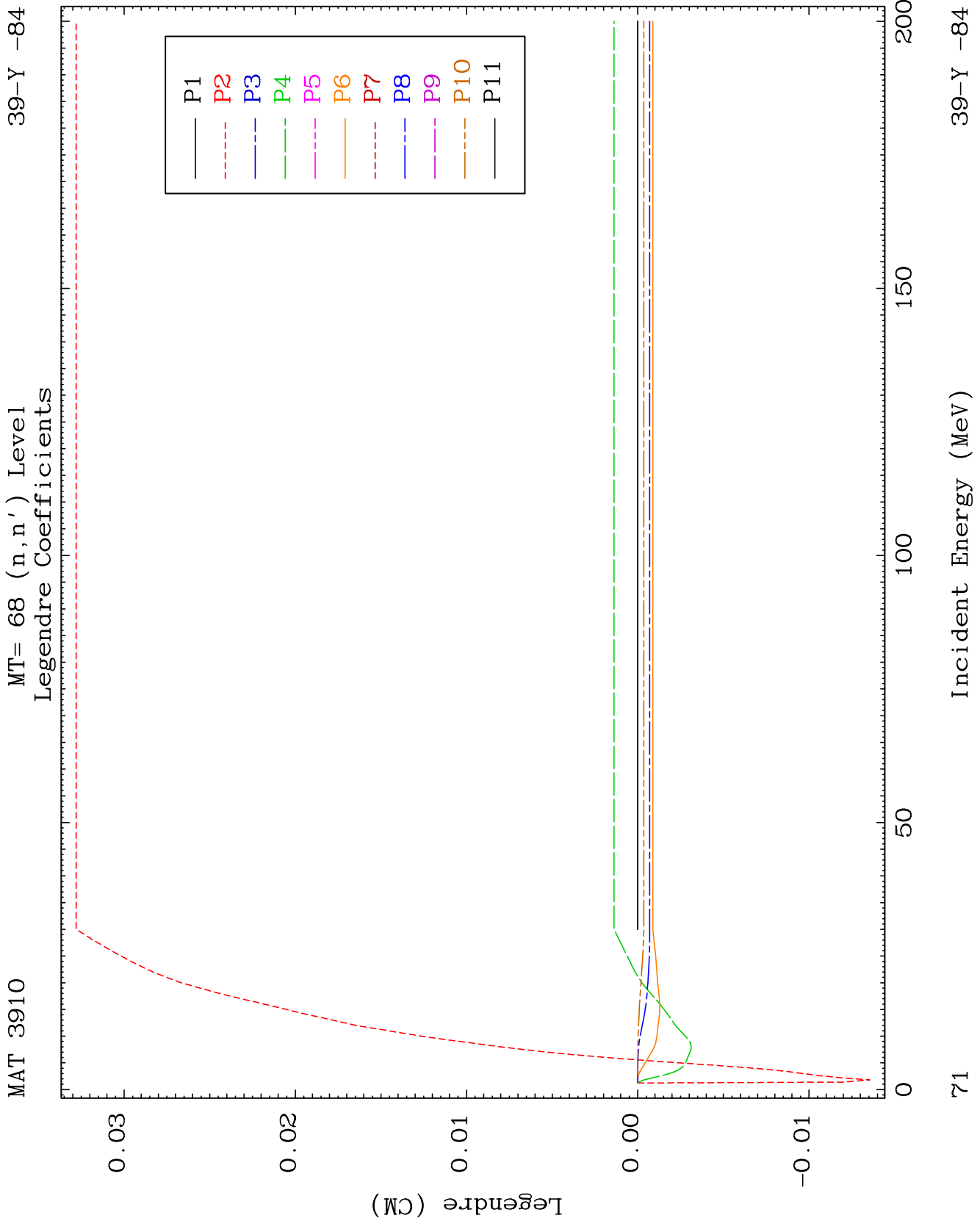
39-Y -84



70

Incident Energy (MeV)

39-Y -84

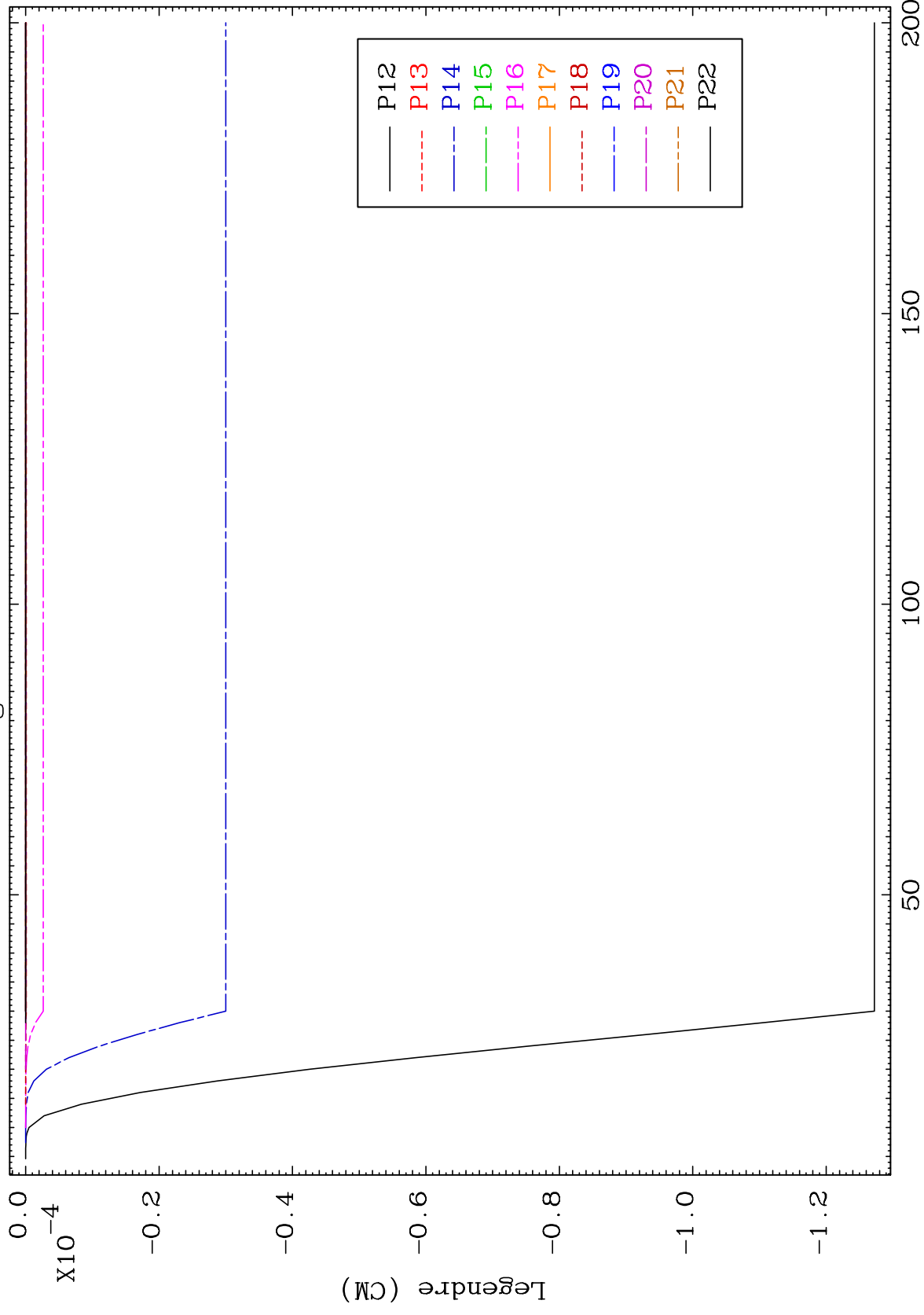




MAT 3910

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

39-Y -84



39-Y -84

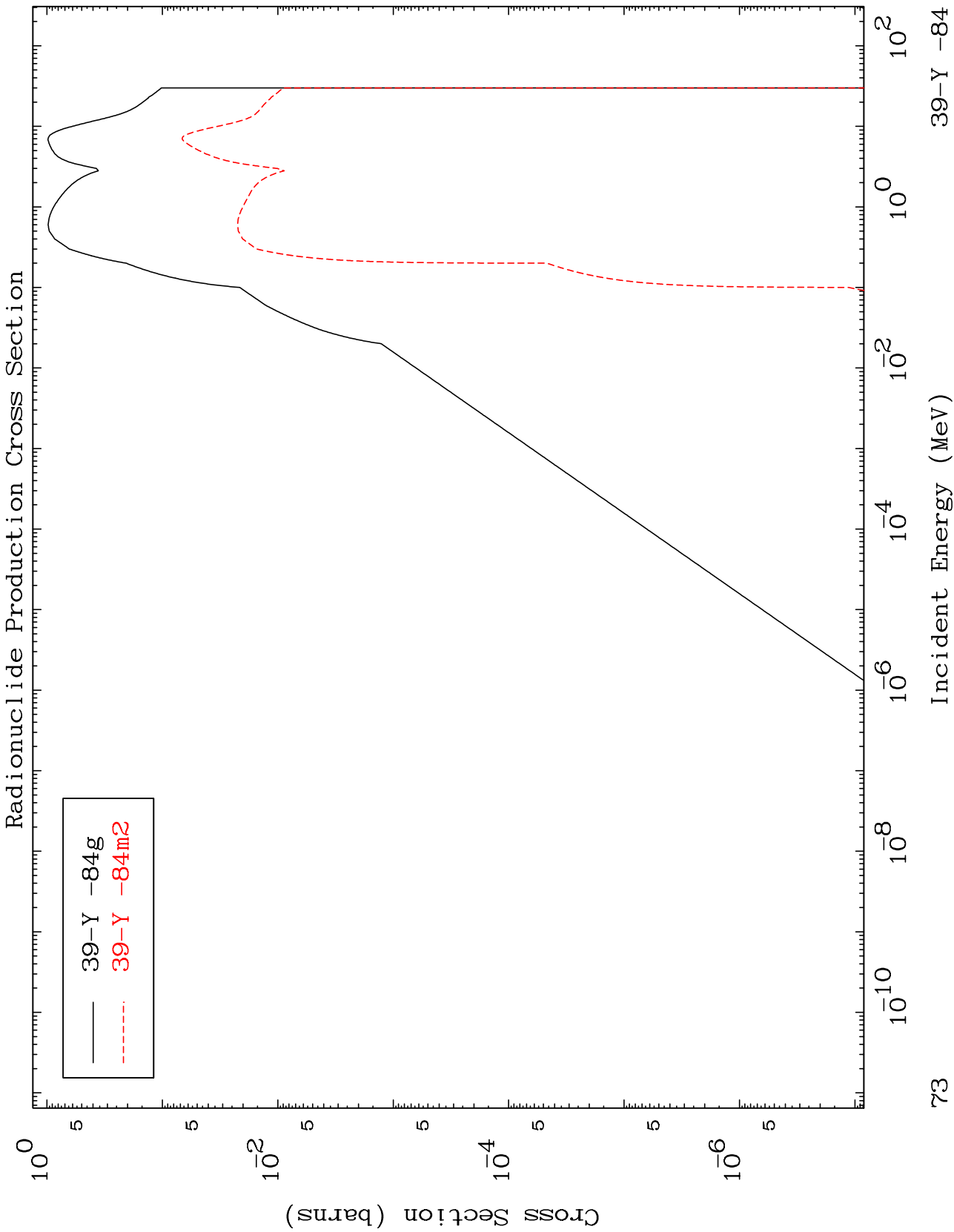
Incident Energy (MeV)

72

MAT 3910

39-Y -84

Inelastic  
Radionuclide Production Cross Section



73

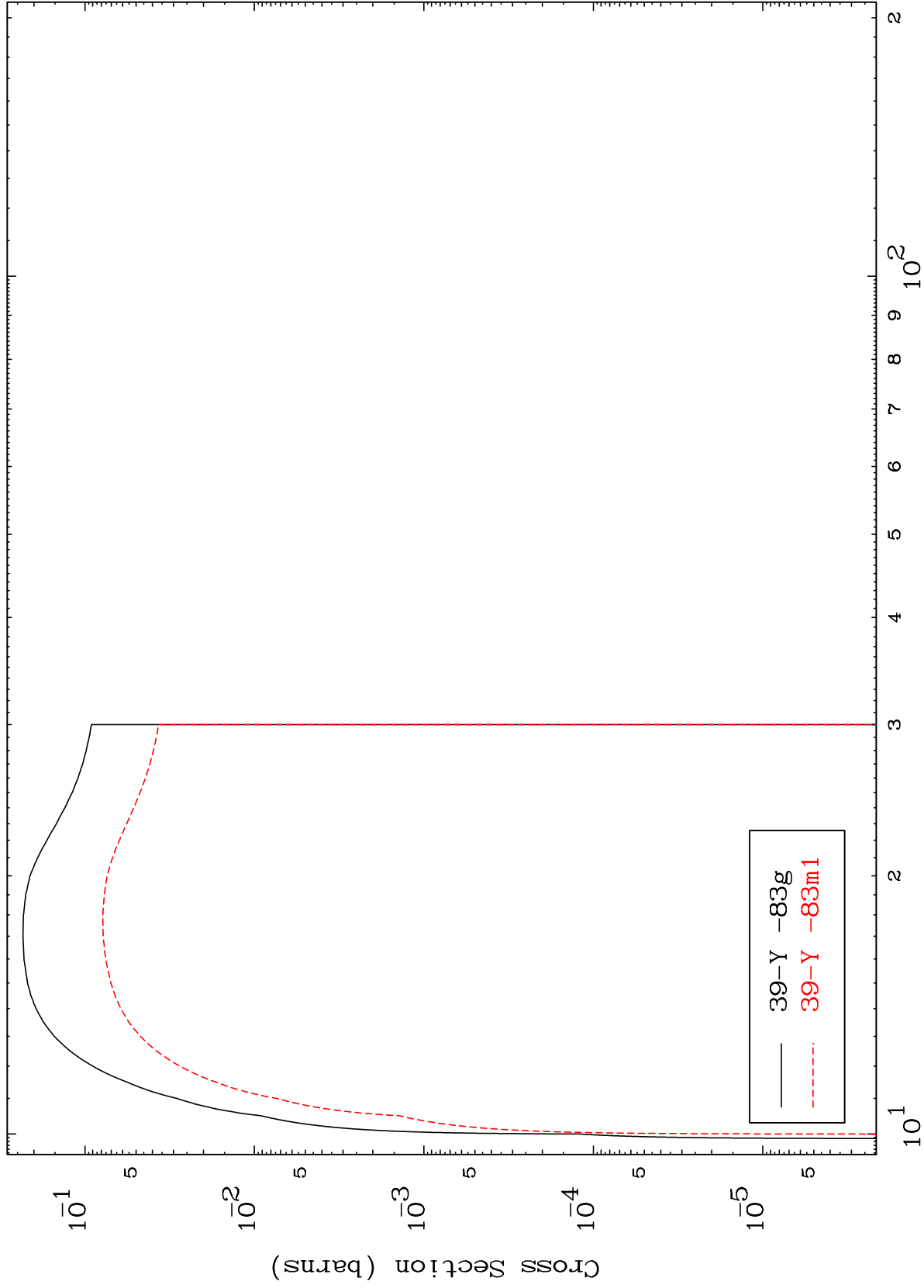
39-Y -84

MAT 3910

(n,2n)

39-Y -84

Radionuclide Production Cross Section



74

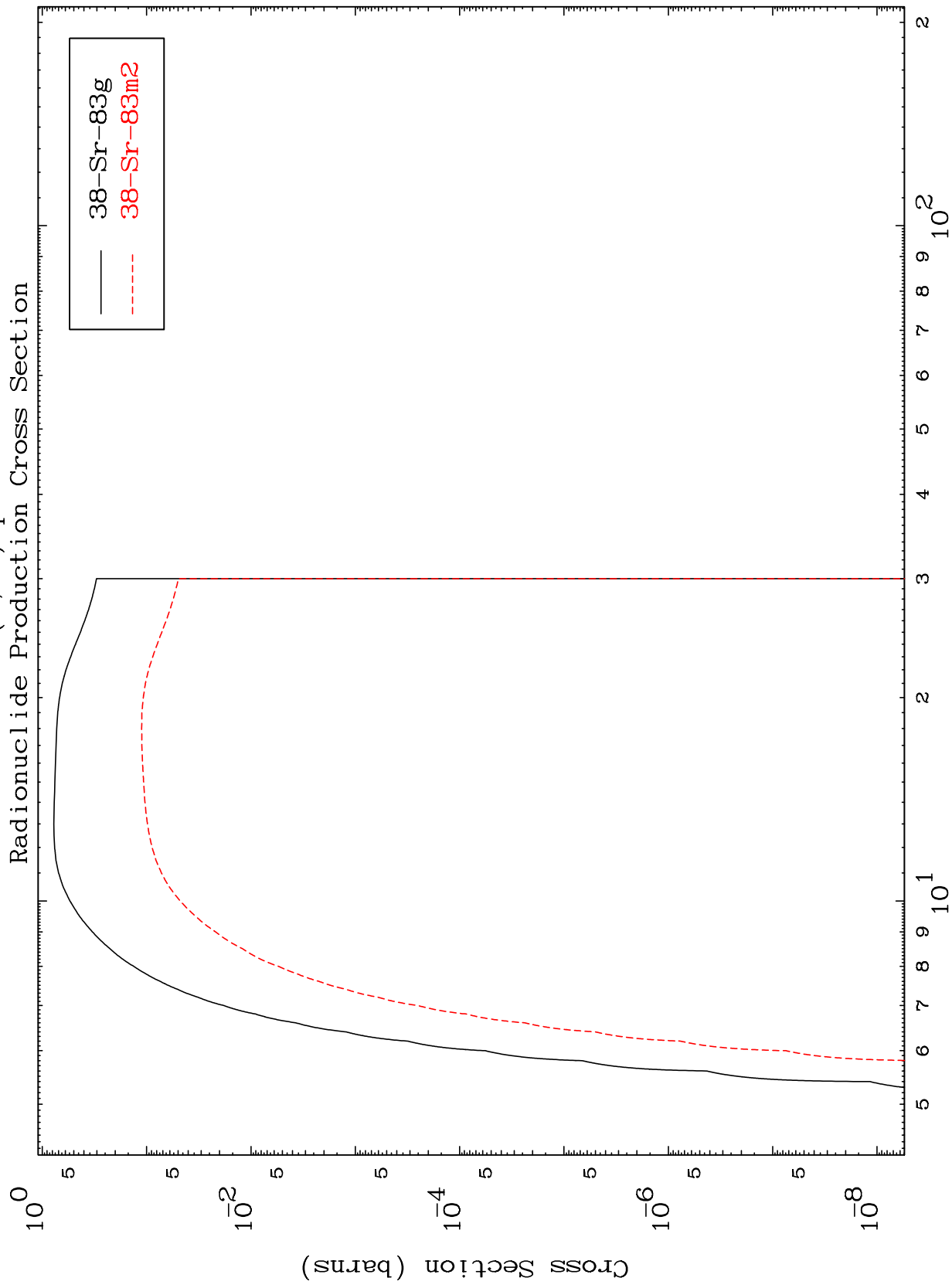
Incident Energy (MeV)

39-Y -84

MAT 3910

(n,n') p

39-Y -84



75

Incident Energy (MeV)

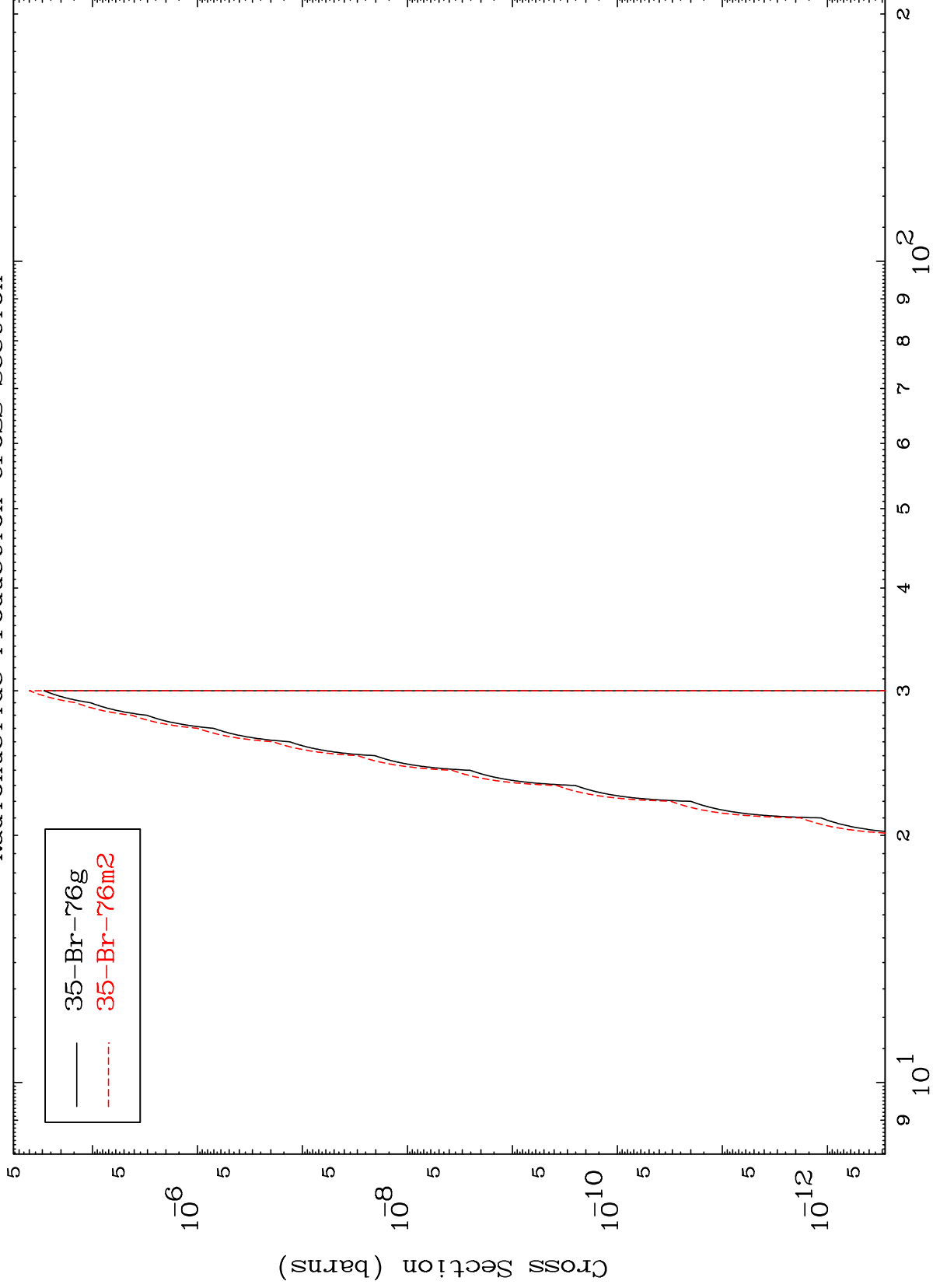
39-Y -84

MAT 3910

(n,n') 2 $\alpha$

39-Y -84

Radionuclide Production Cross Section

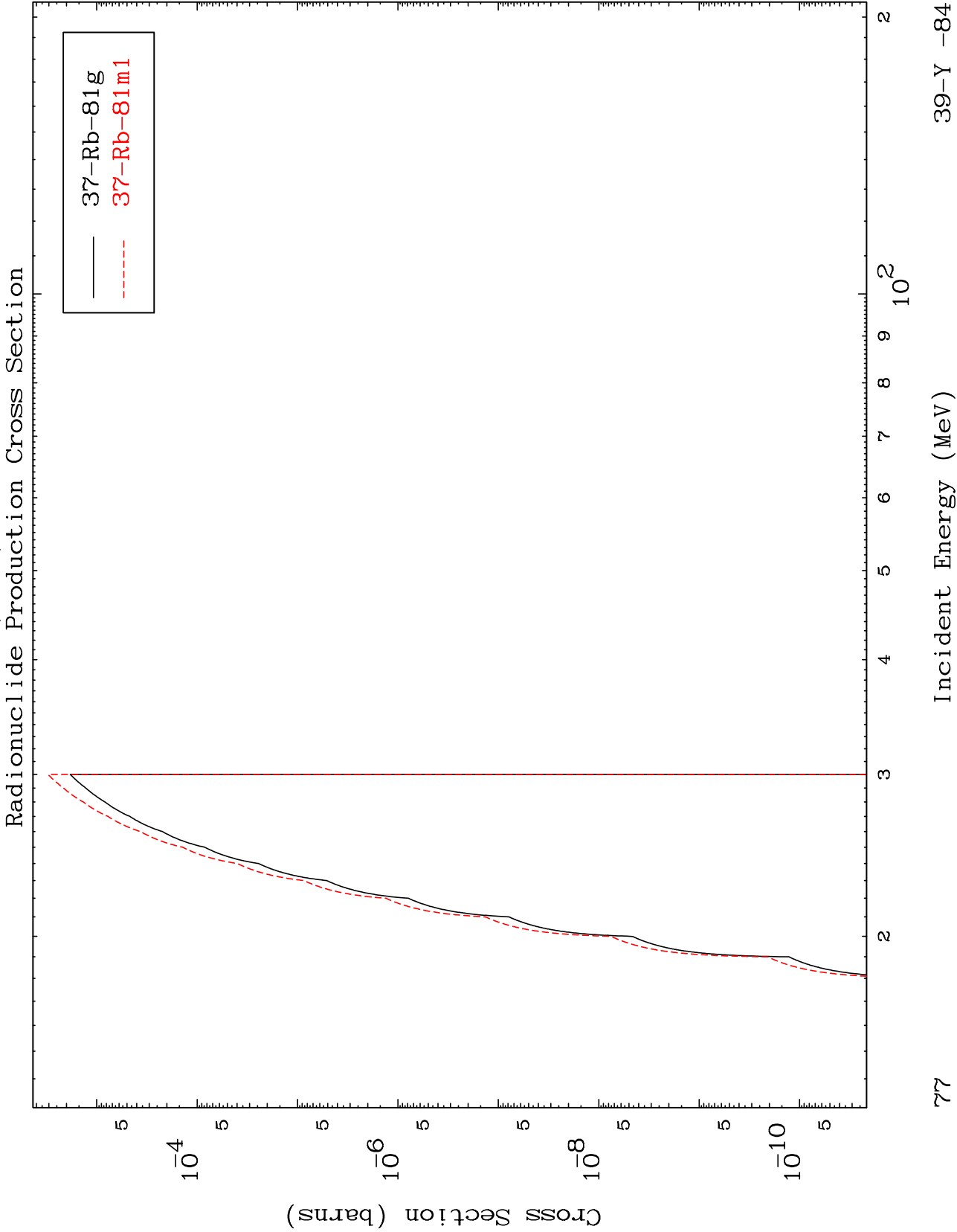


35-Br-76g  
35-Br-76m2

76

Incident Energy (MeV)

39-Y -84

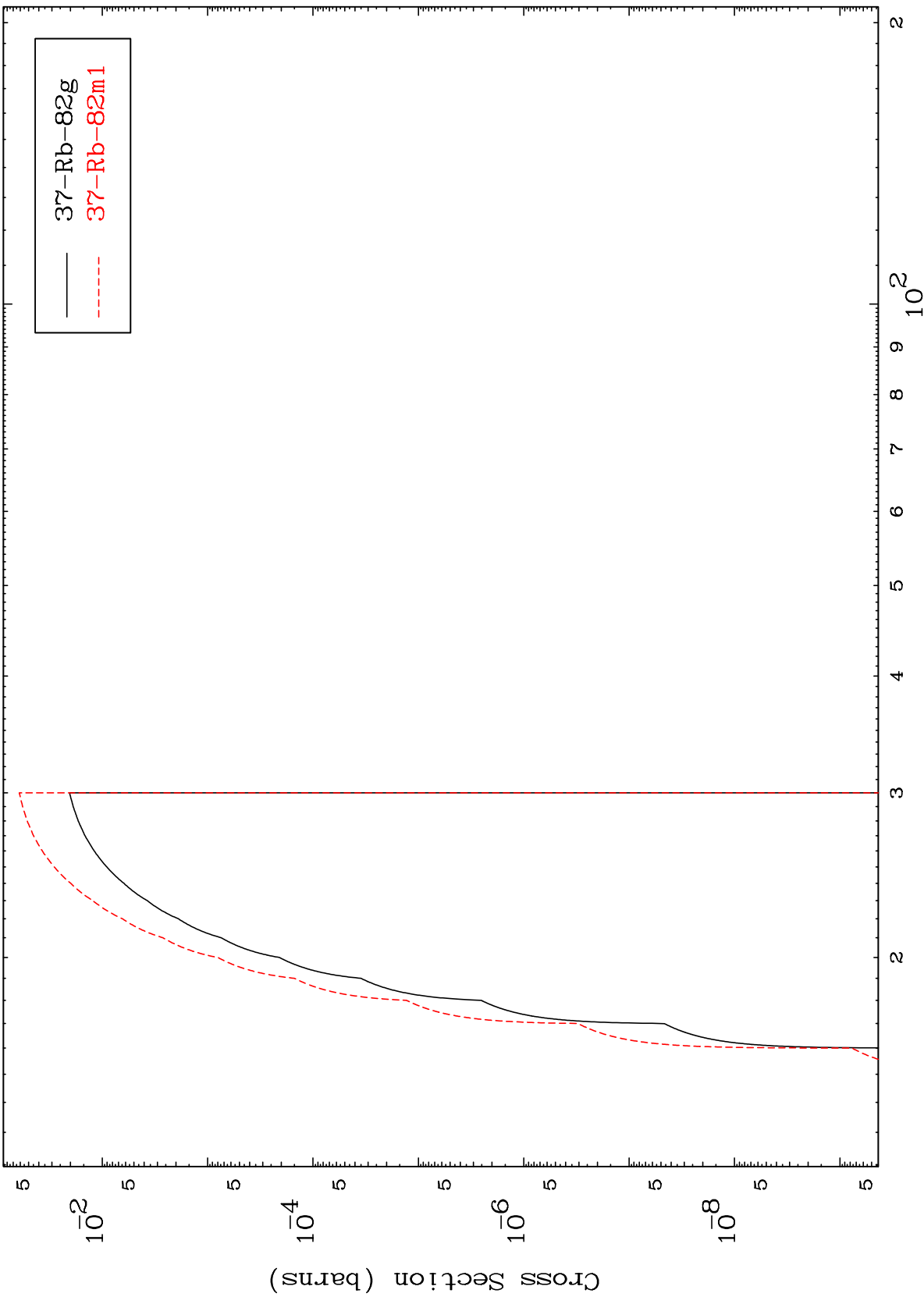


MAT 3910

(n,2n) p

39-Y -84

Radionuclide Production Cross Section



37-Rb-82g  
37-Rb-82m1

78

Incident Energy (MeV)

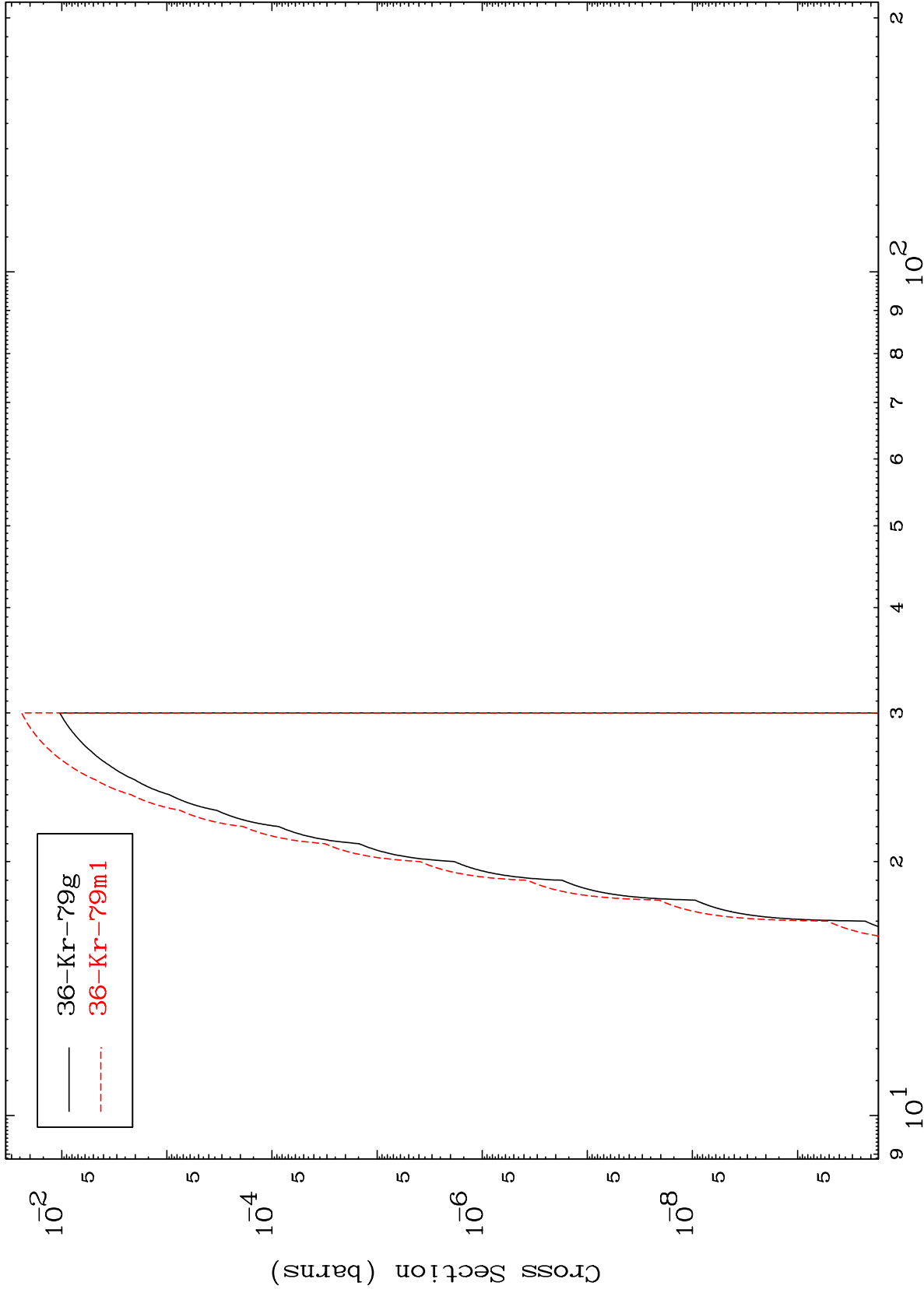
39-Y -84

MAT 3910

(n,n') p  $\alpha$

39-Y -84

Radionuclide Production Cross Section



79

Incident Energy (MeV)

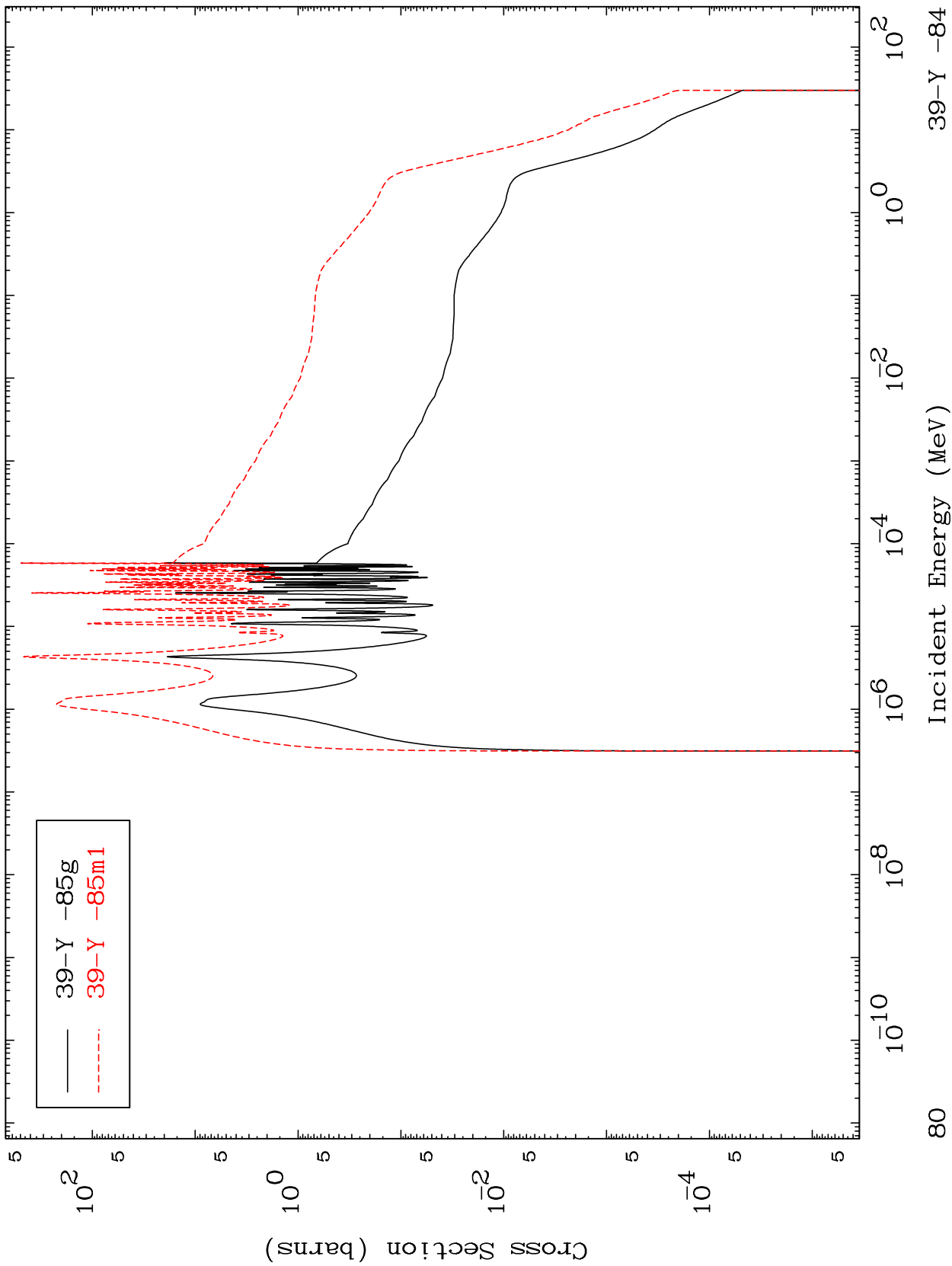
39-Y -84



MAT 3910

39-Y -84

Radionuclide Production Cross Section



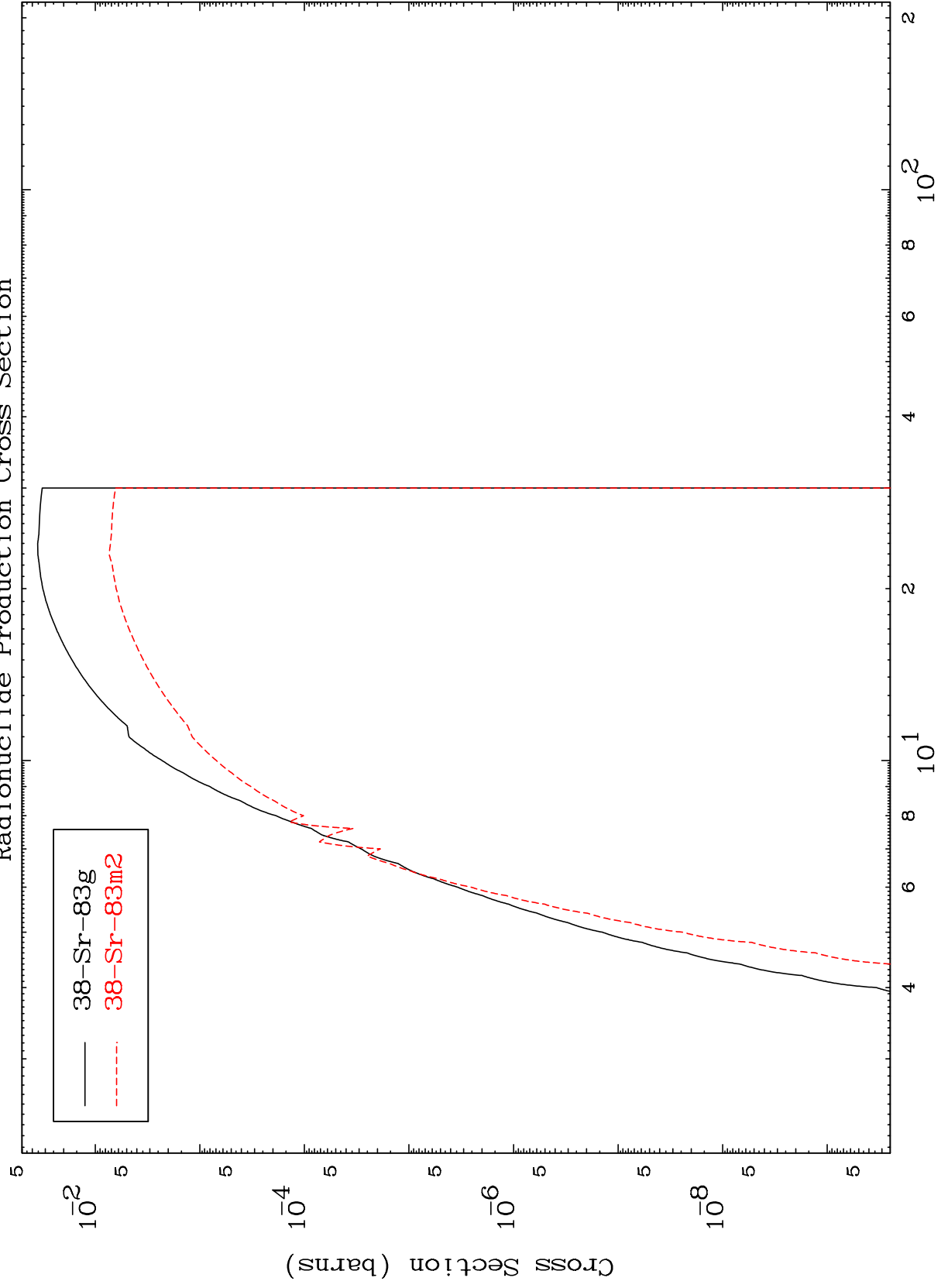
80

39-Y -84

MAT 3910

39-Y -84

(n,d)  
Radionuclide Production Cross Section



81

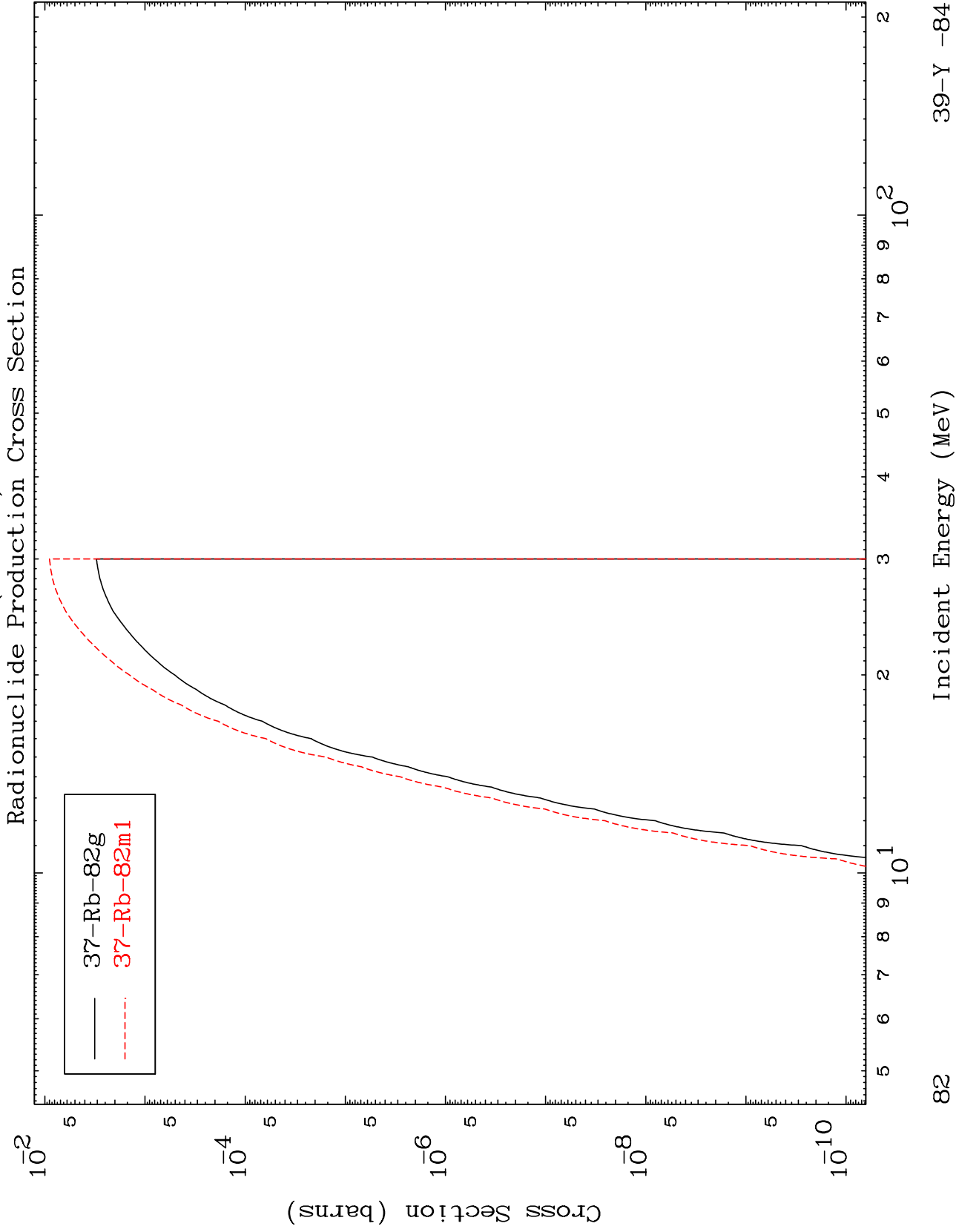
Incident Energy (MeV)

39-Y -84

MAT 3910

(n,He-3)

39-Y -84

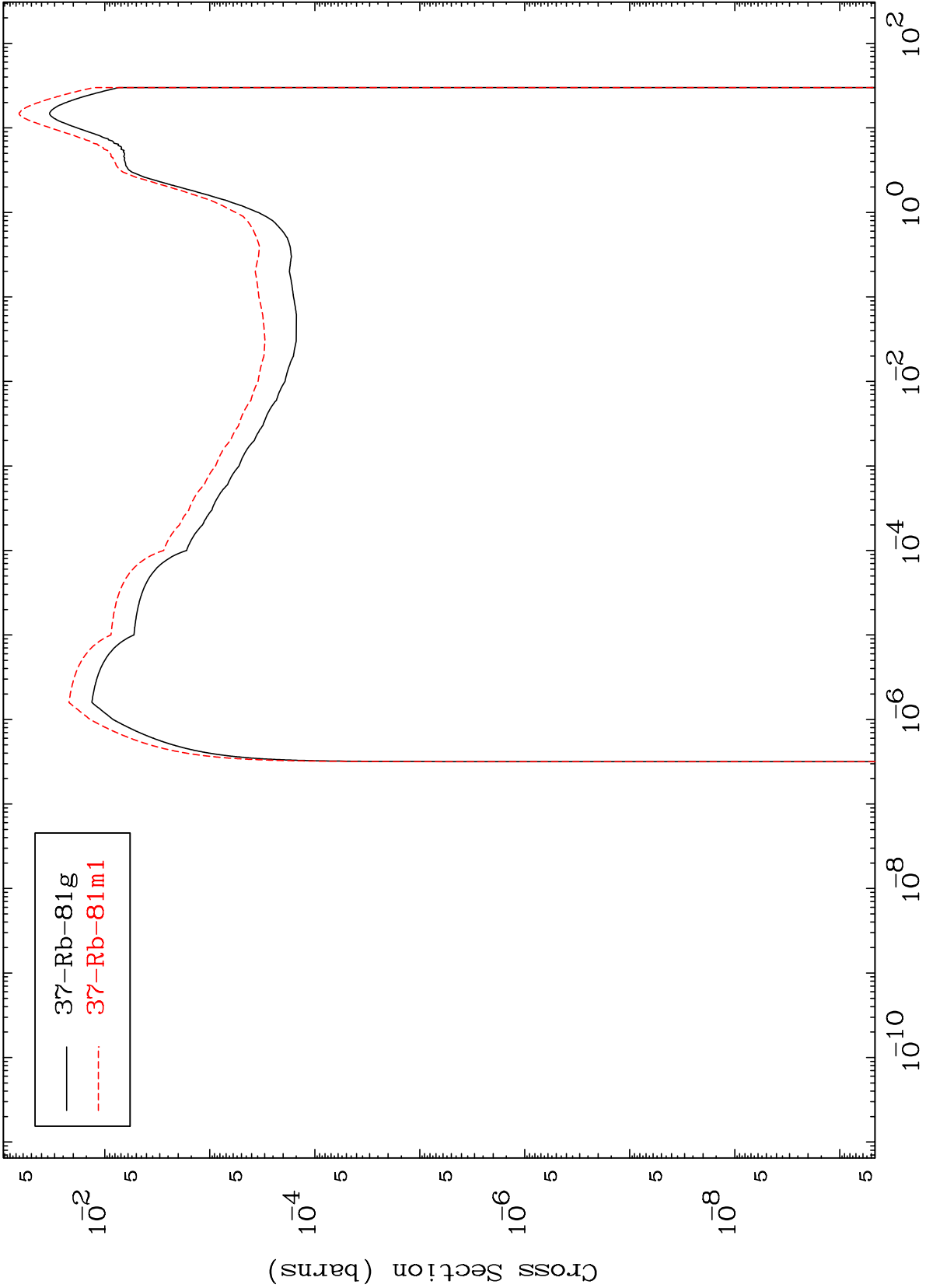


82

MAT 3910

39-Y -84

Radionuclide Production Cross Section (n,α)

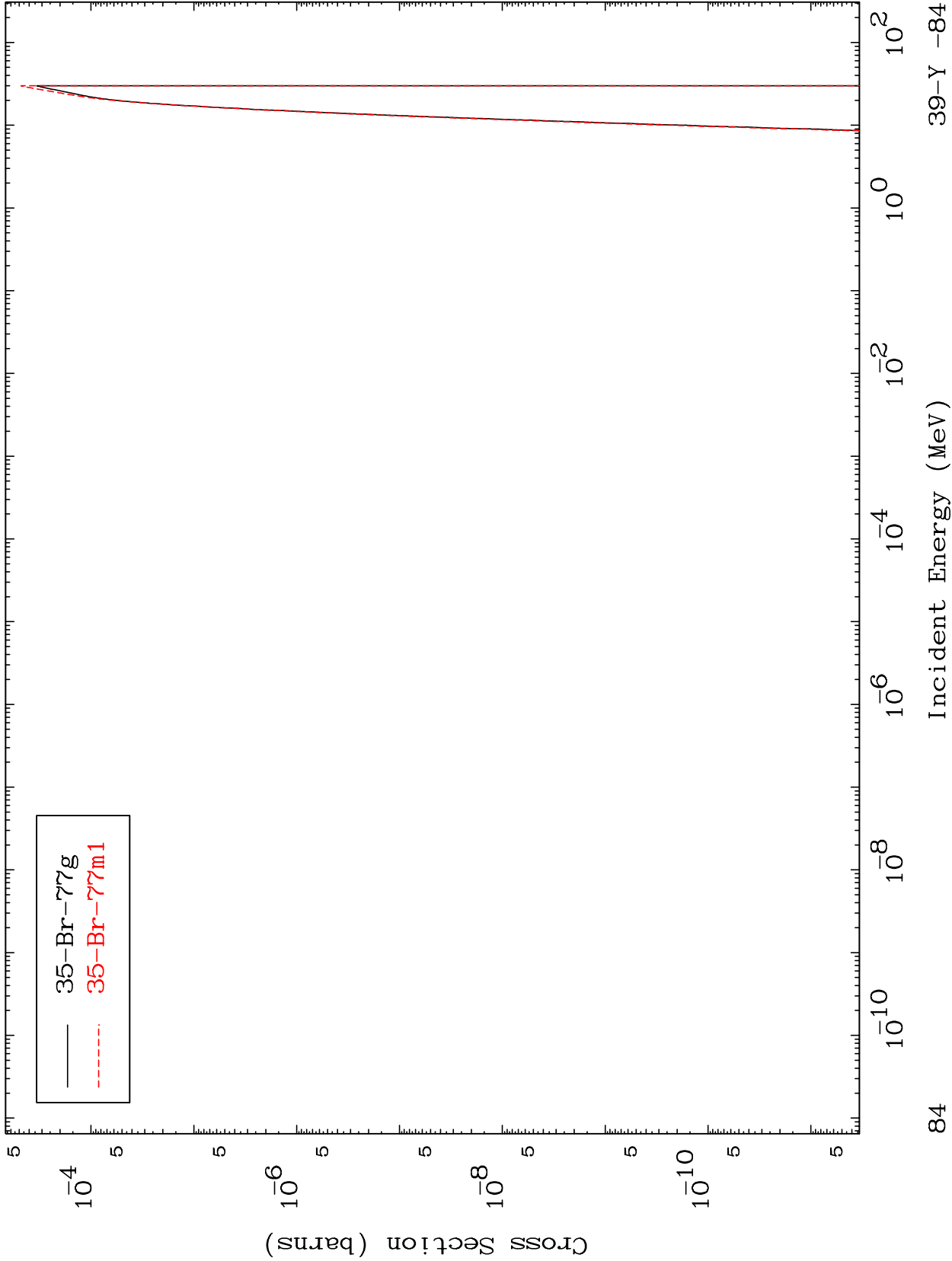


MAT 3910

(n,2α)

39-Y -84

Radionuclide Production Cross Section



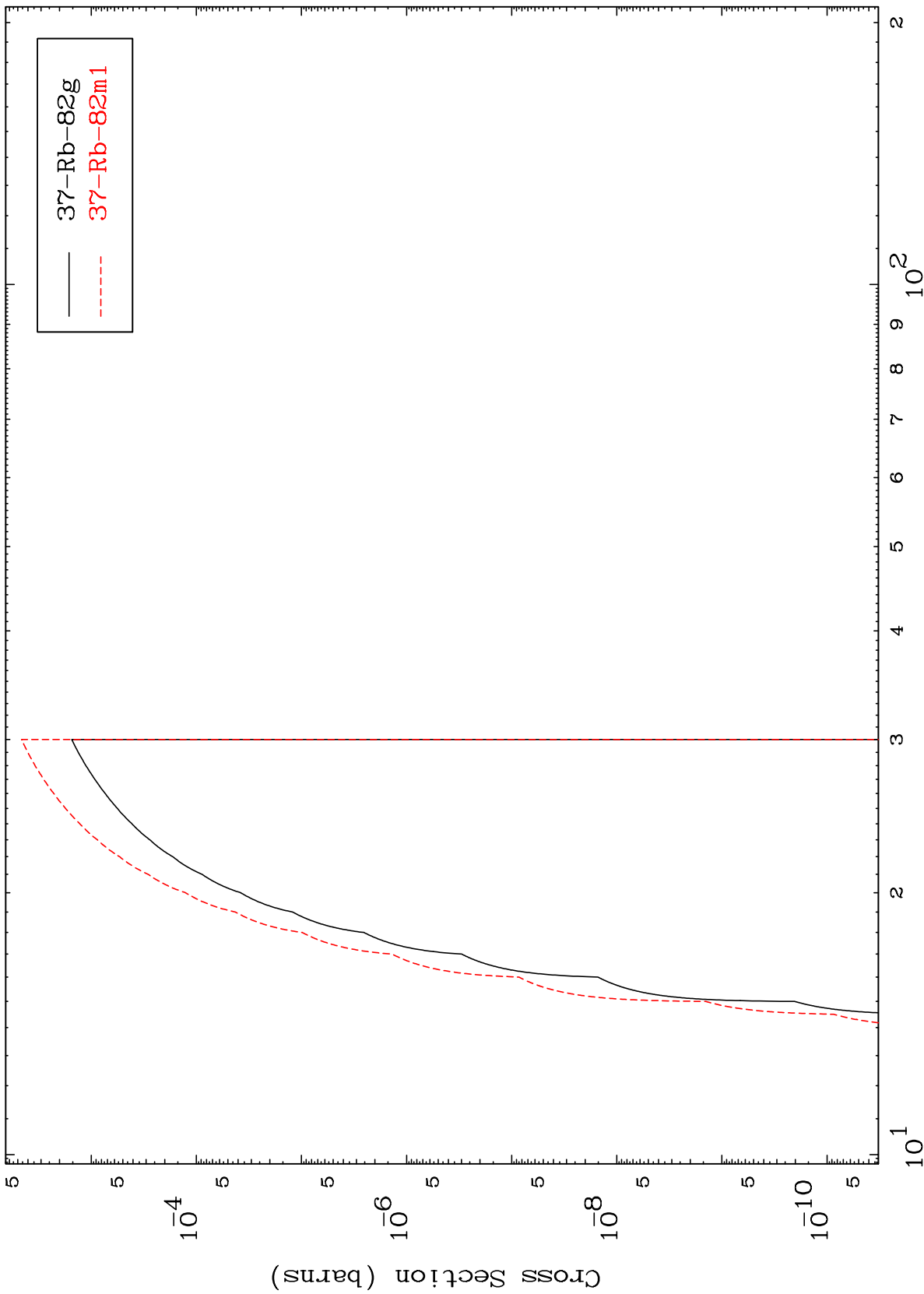
— 35-Br-77g  
- - - 35-Br-77m1

MAT 3910

(n,p) d

39-Y -84

Radionuclide Production Cross Section

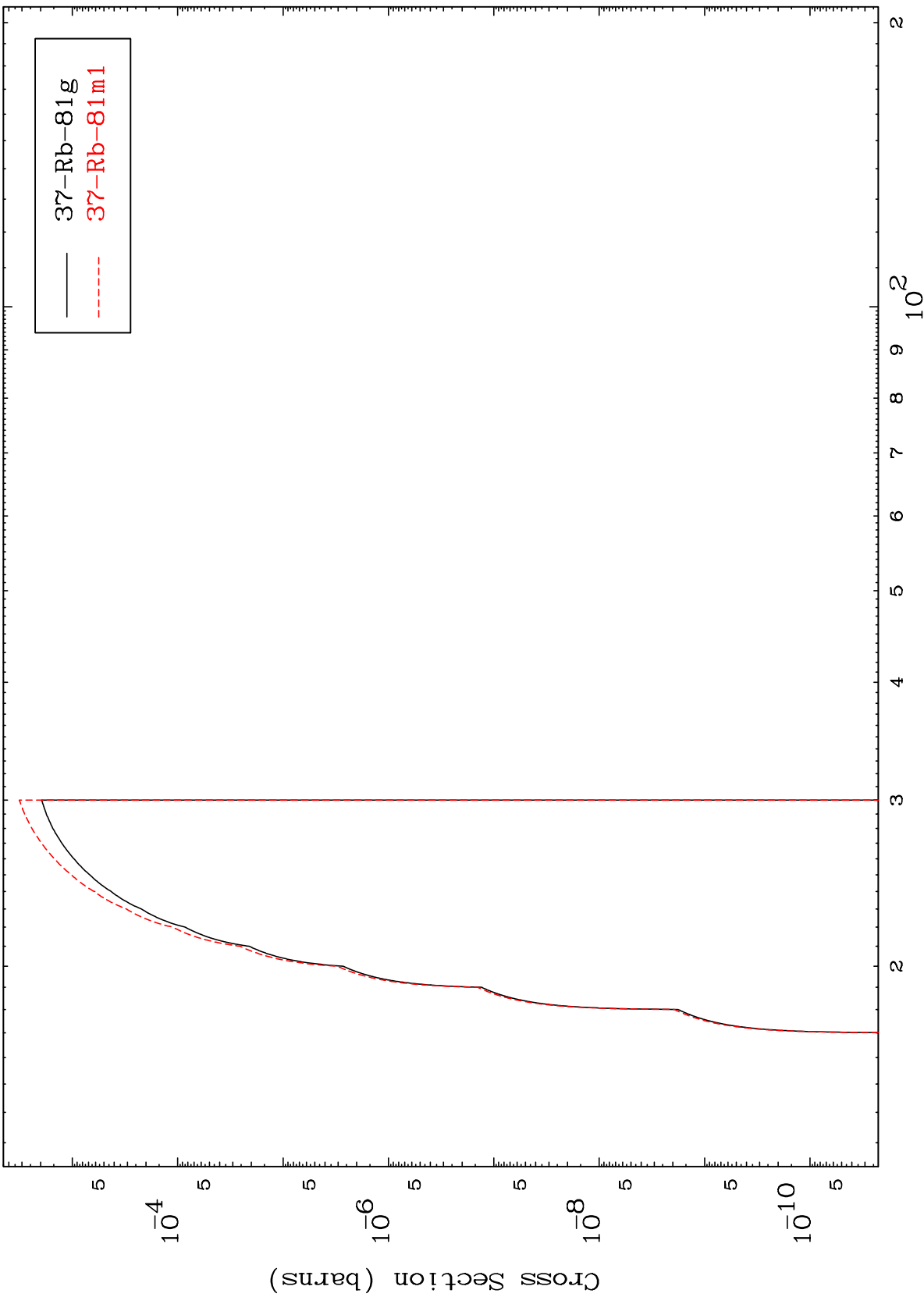


85

Incident Energy (MeV)

39-Y -84

Radionuclide Production Cross Section

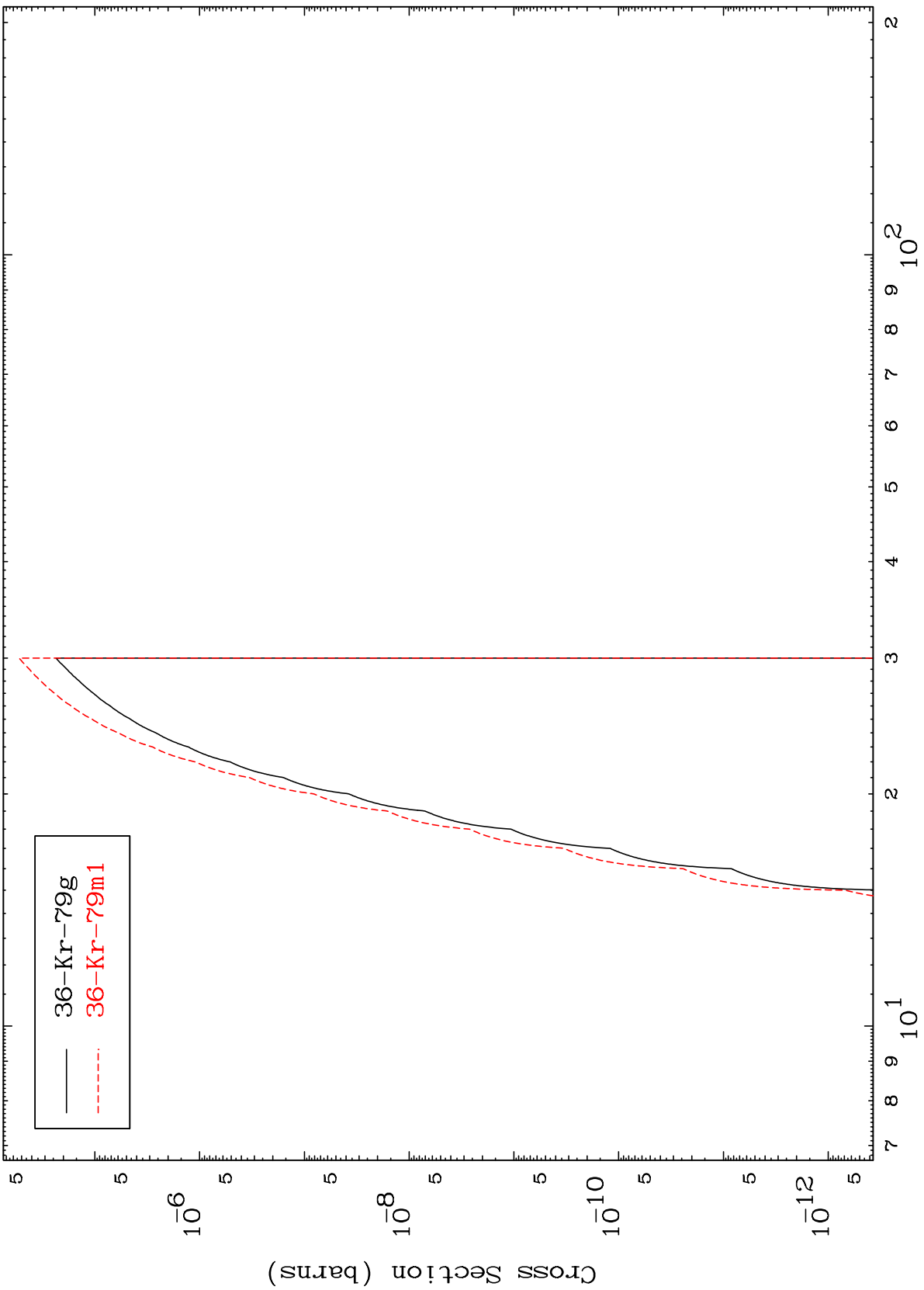


MAT 3910

(n,d)  $\alpha$

39-Y -84

Radionuclide Production Cross Section



87

Incident Energy (MeV)

39-Y -84