

Program EVALPLOT  
(Version 2021-1)

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

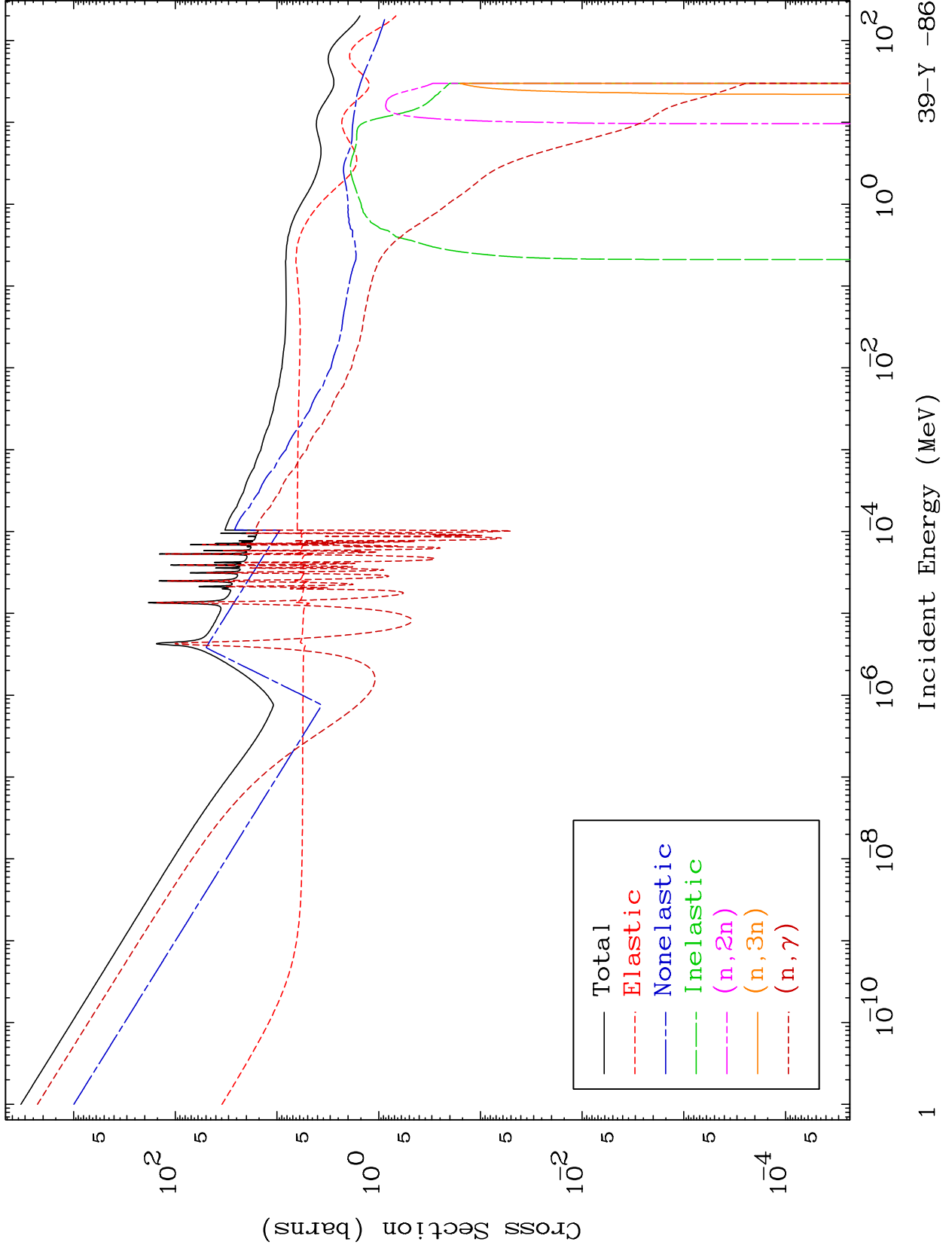
Web:redcullen1.net/HOMEPAGE.NEW

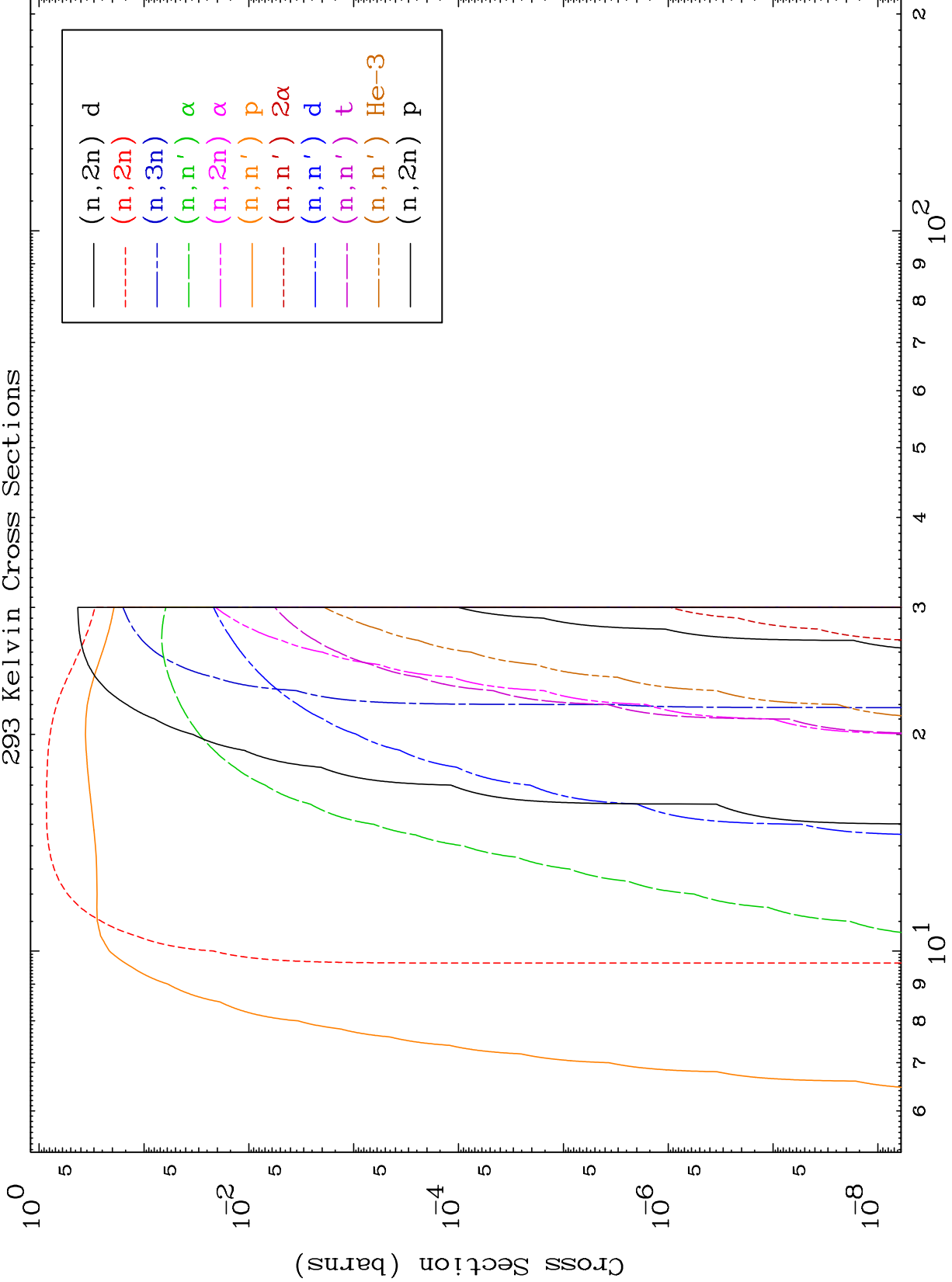
Press Mouse Button to Start

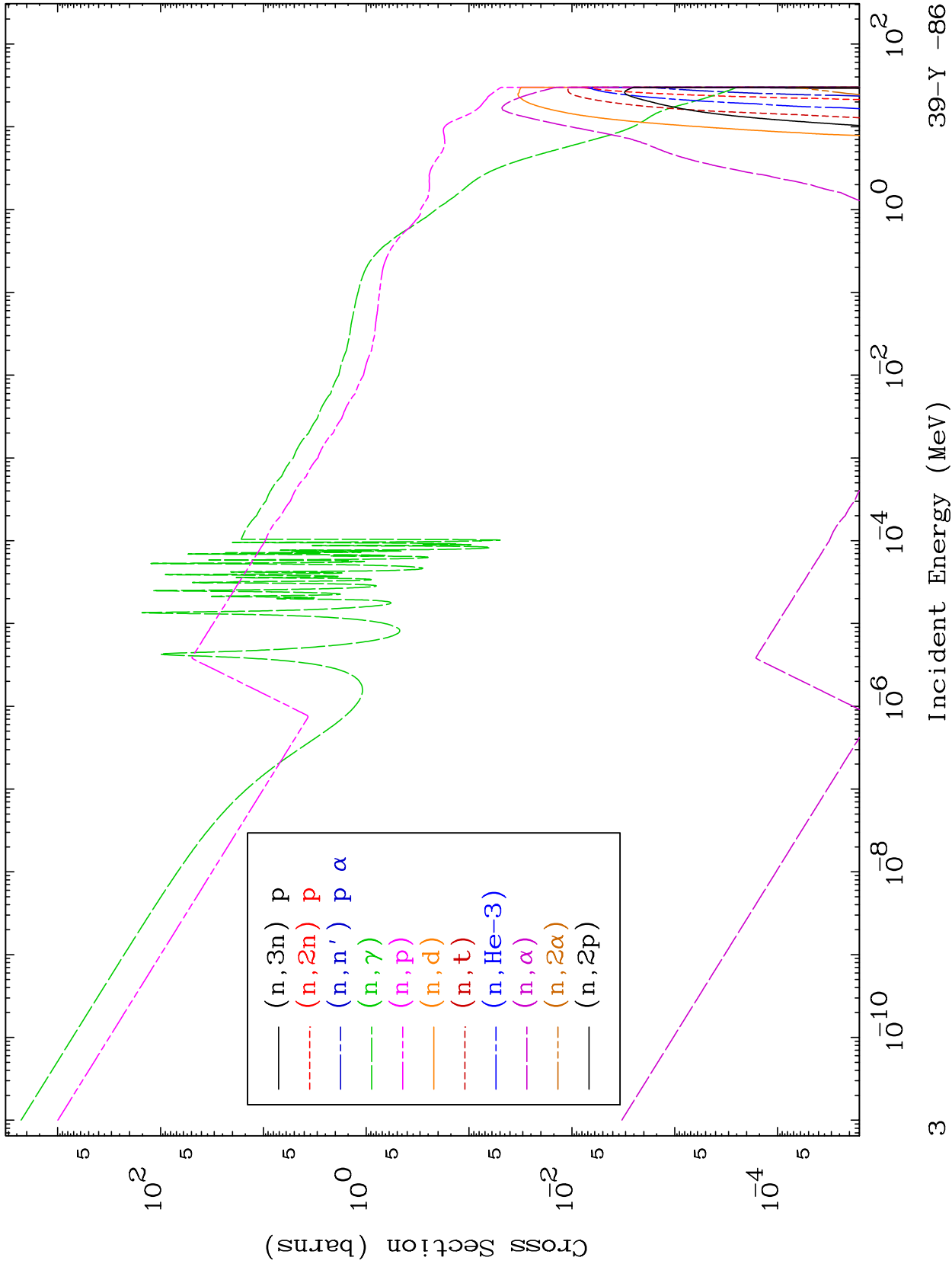
MAT 3916

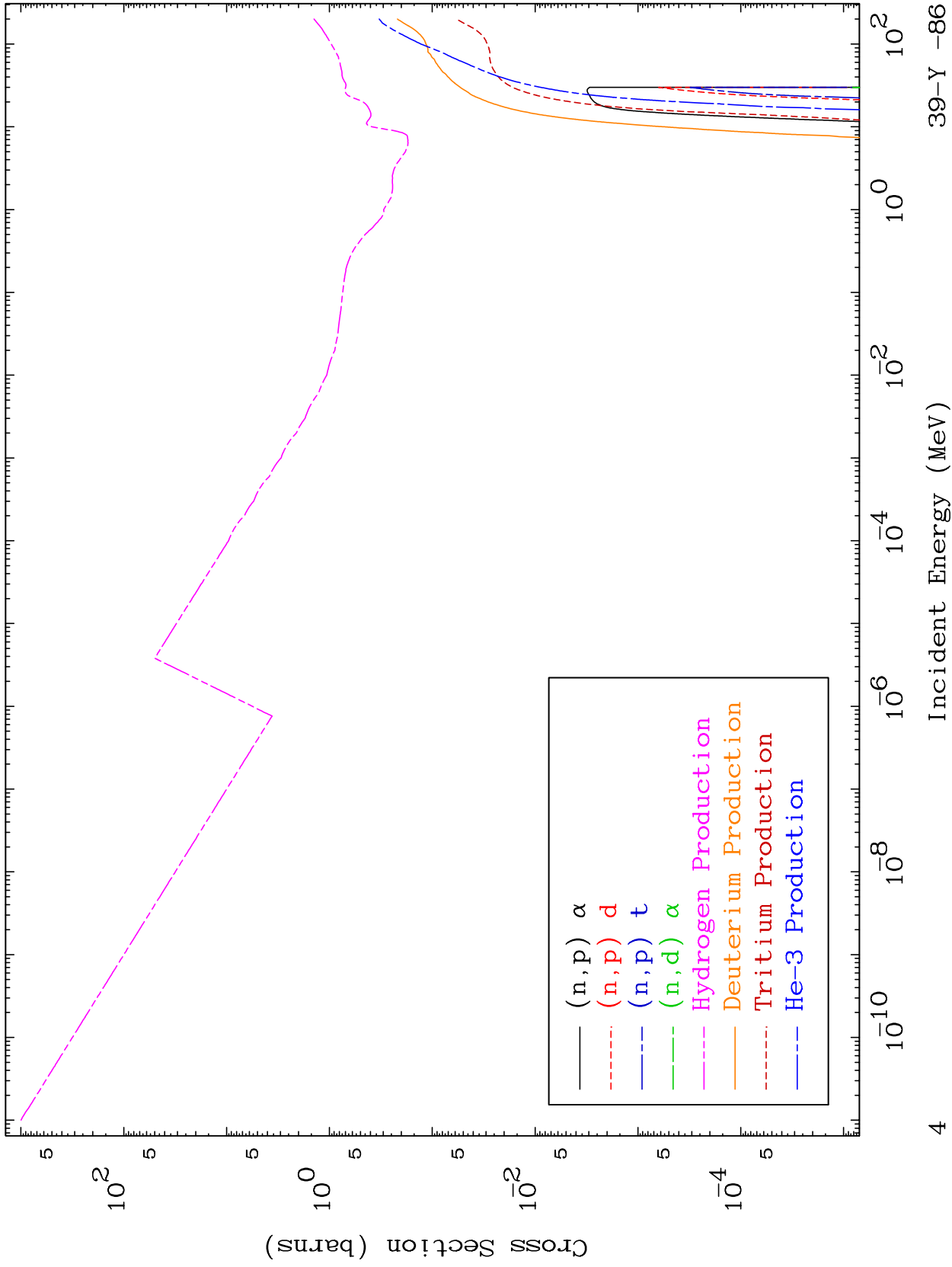
Neutron Major  
293 Kelvin Cross Sections

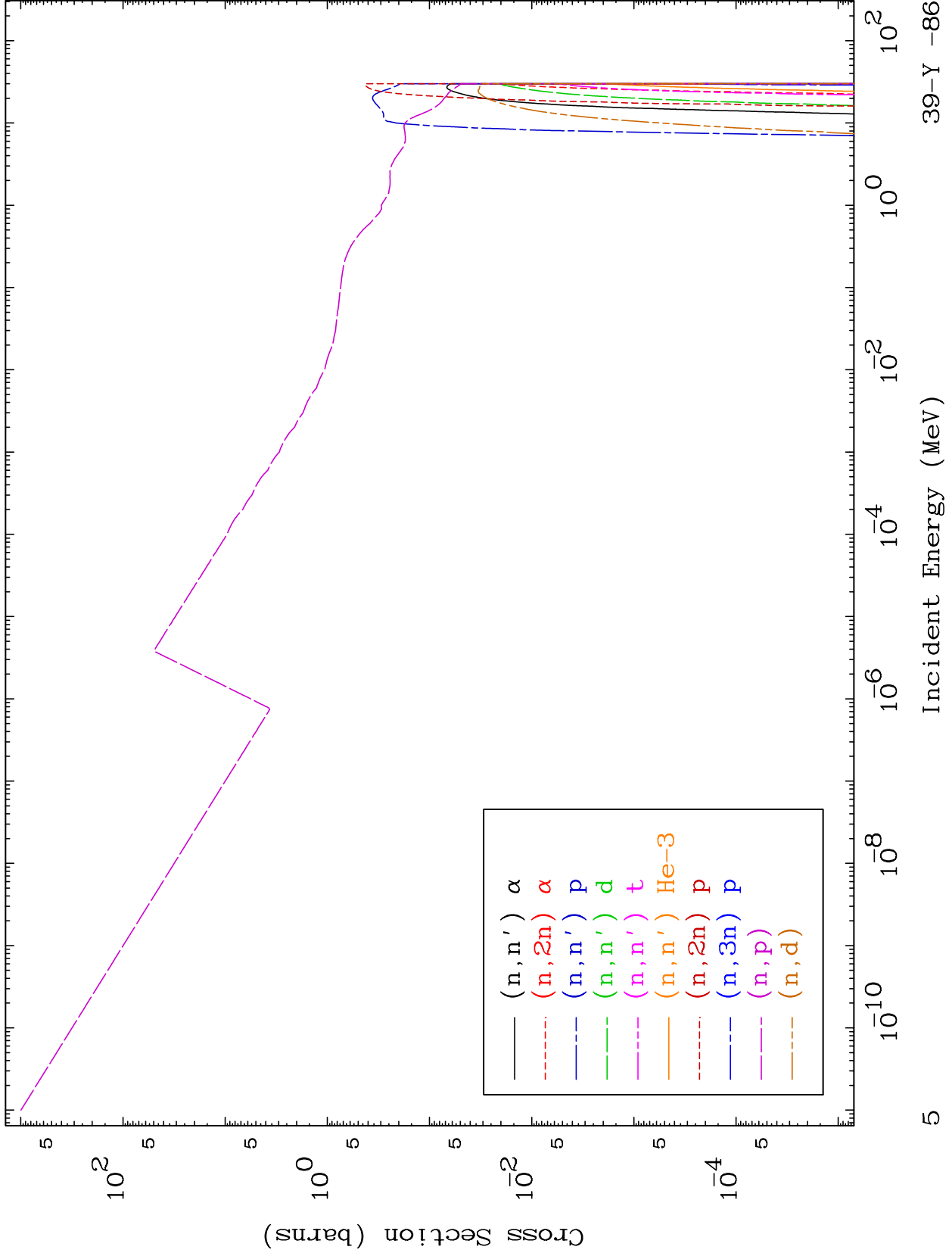
39-Y -86







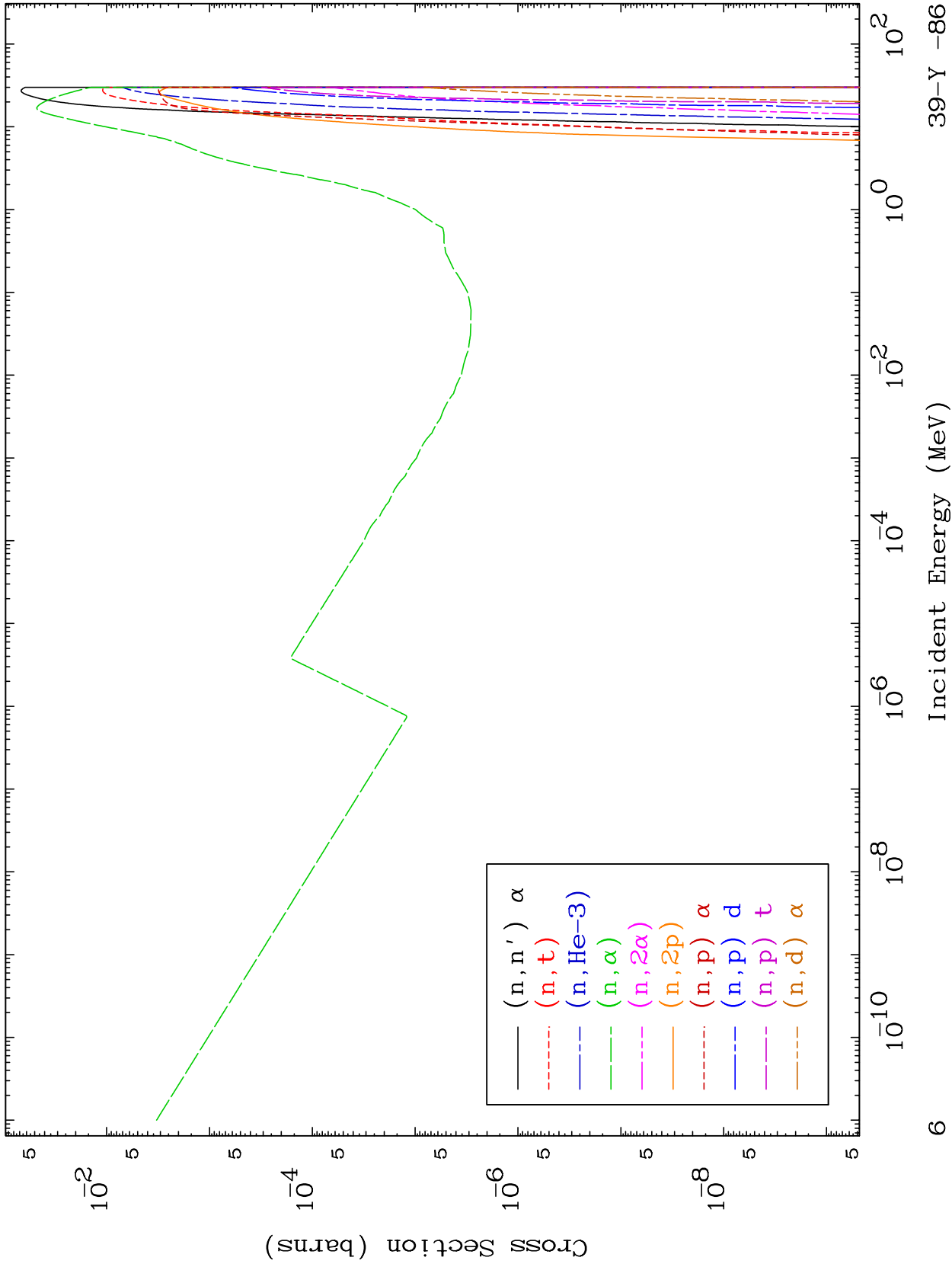


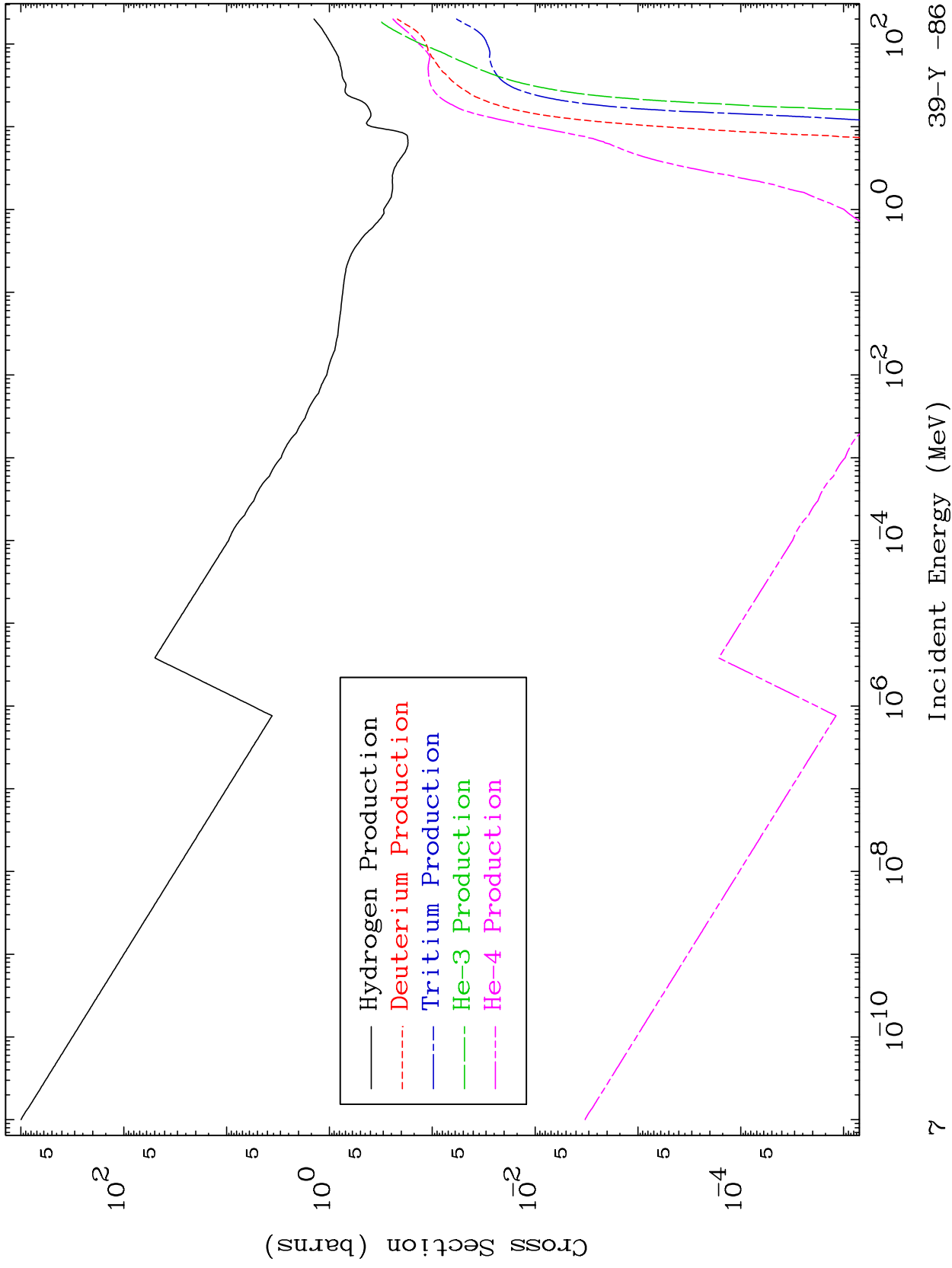


MAT 3916

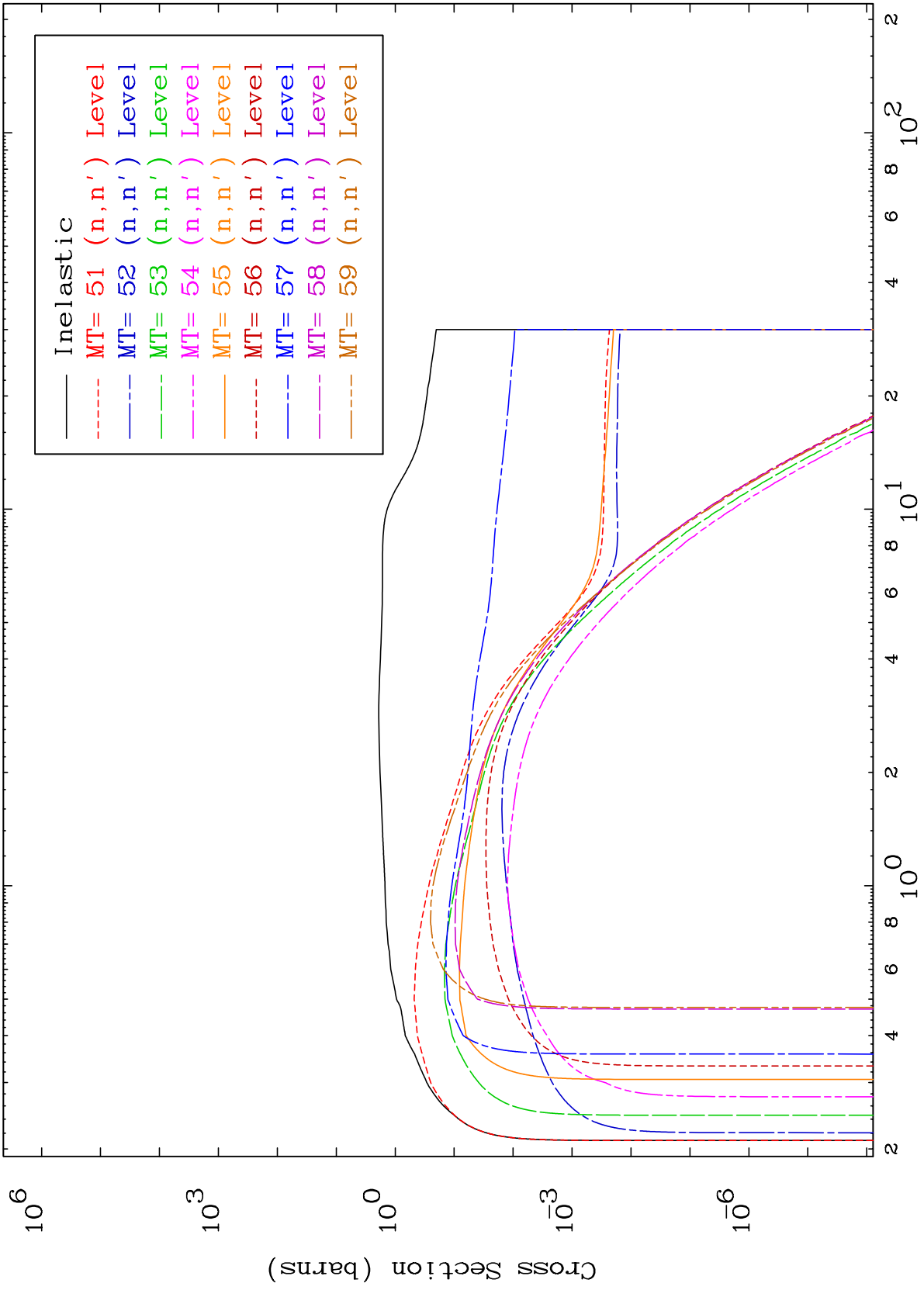
Charged Particle  
293 Kelvin Cross Sections

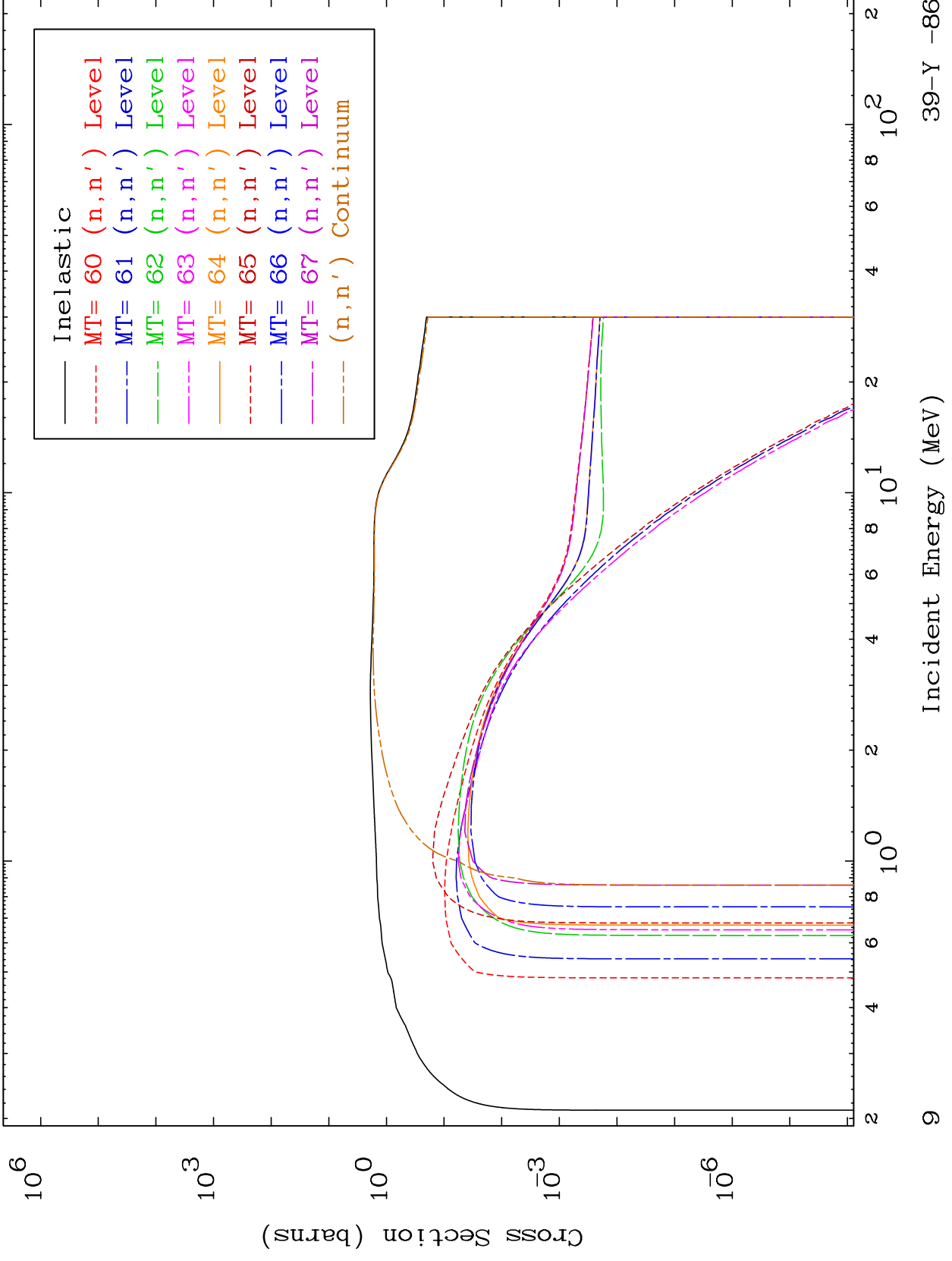
39-Y -86







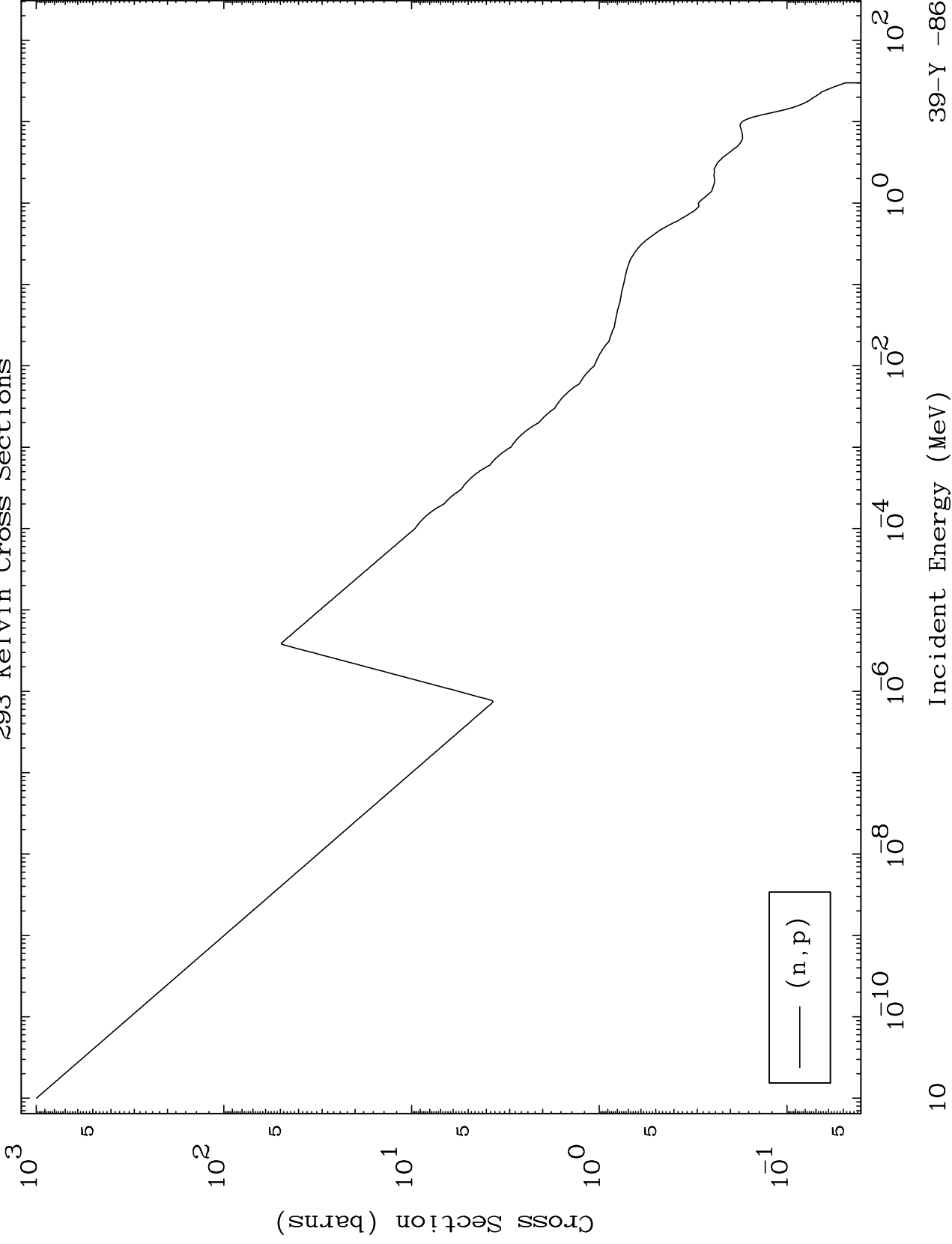




MAT 3916

(n,p) Levels  
293 Kelvin Cross Sections

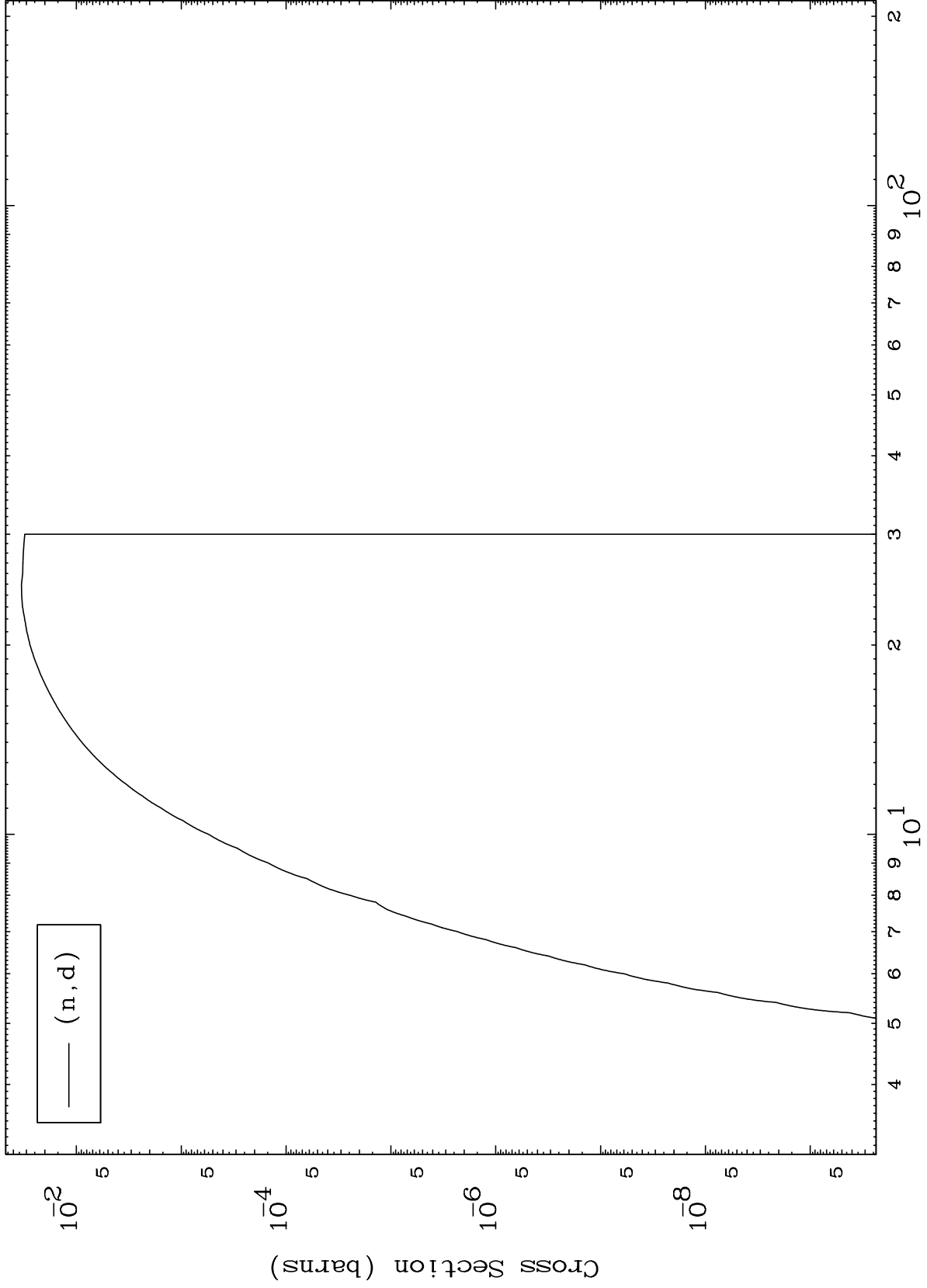
39-Y -86



(n,p)

10

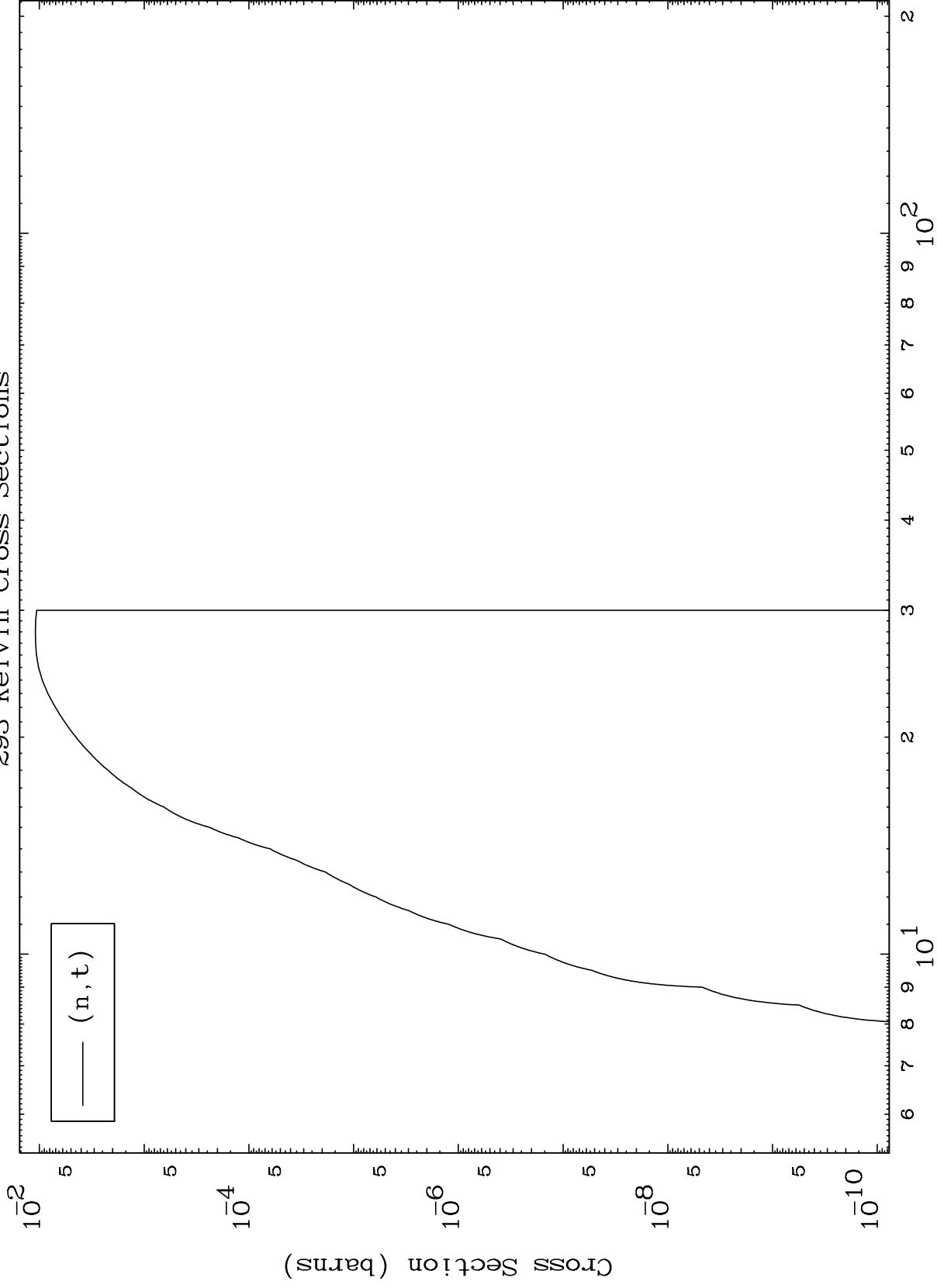
39-Y -86



MAT 3916

(n,t) Levels  
293 Kelvin Cross Sections

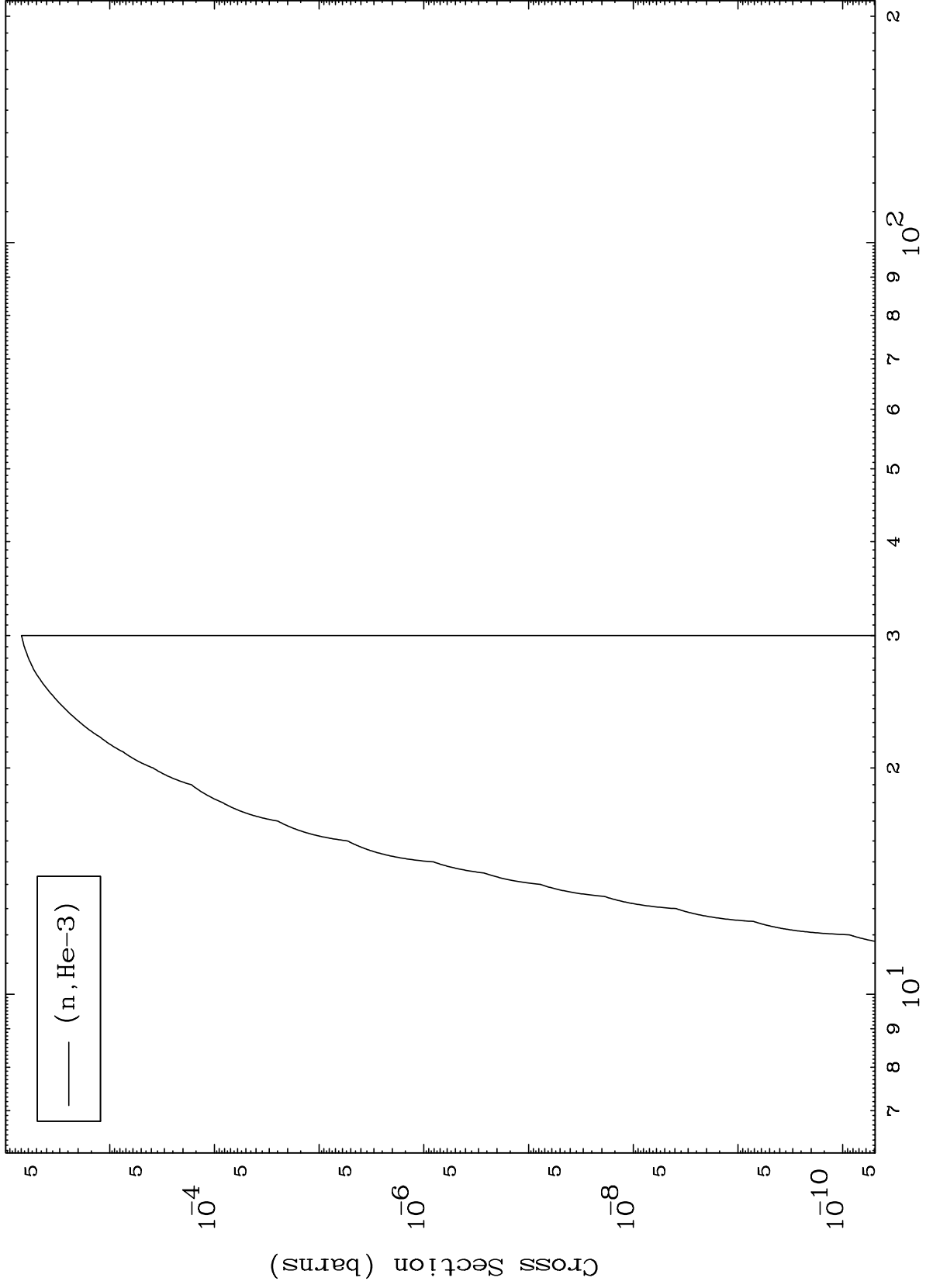
39-Y -86



12

Incident Energy (MeV)

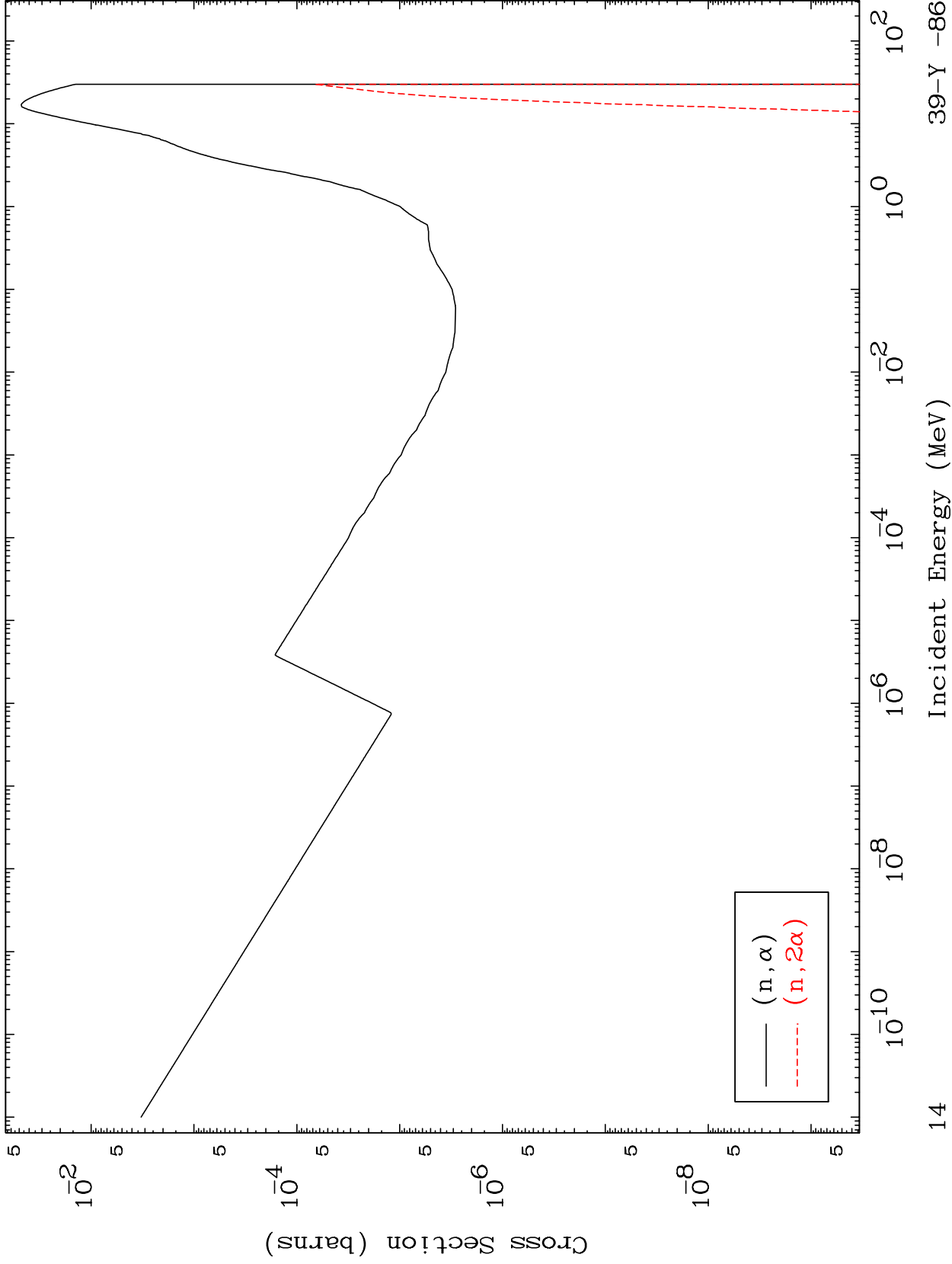
39-Y -86



MAT 3916

(n,α) Levels  
293 Kelvin Cross Sections

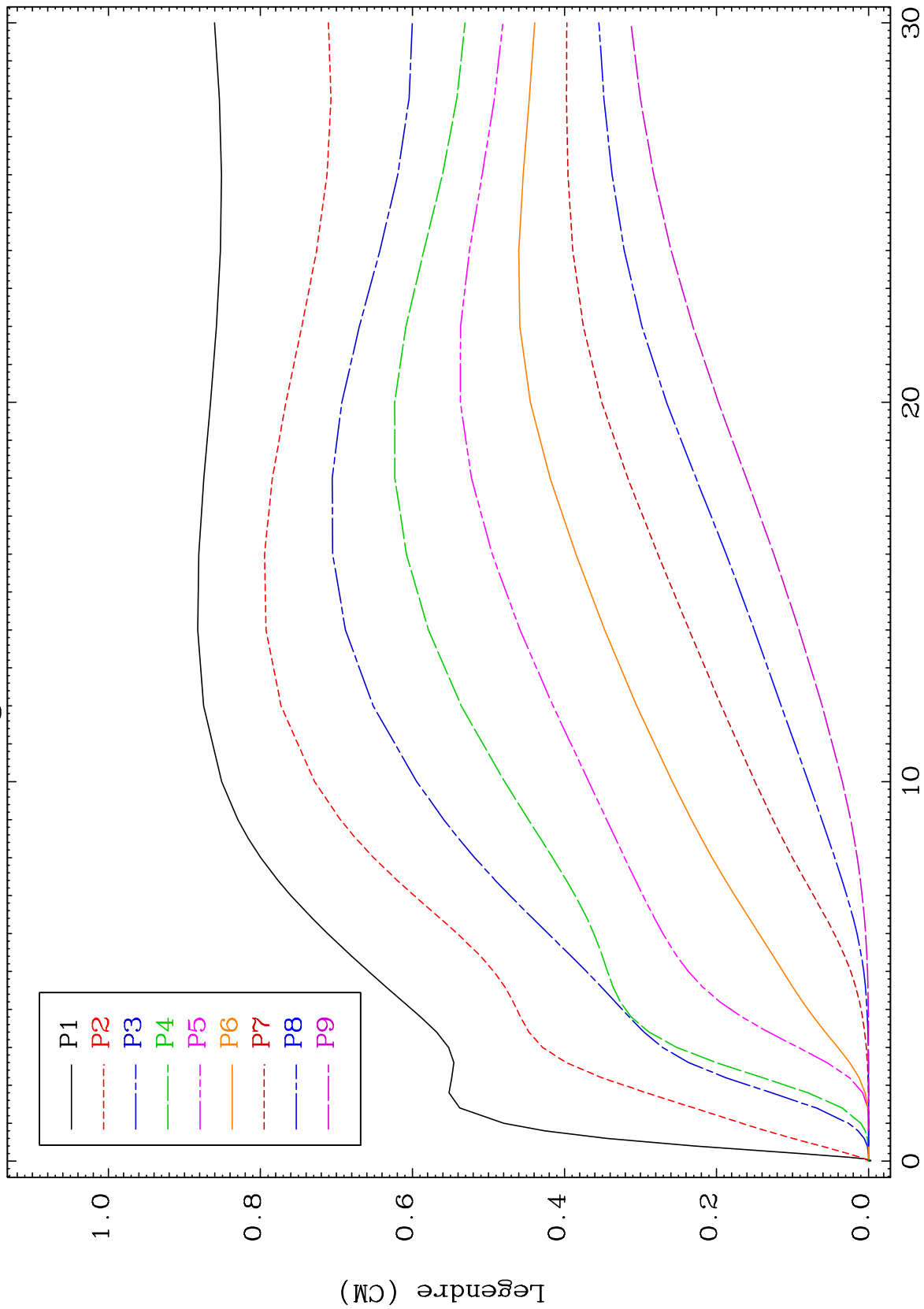
39-Y -86



MAT 3916

Elastic Legendre Coefficients

39-Y -86



15

Incident Energy (MeV)

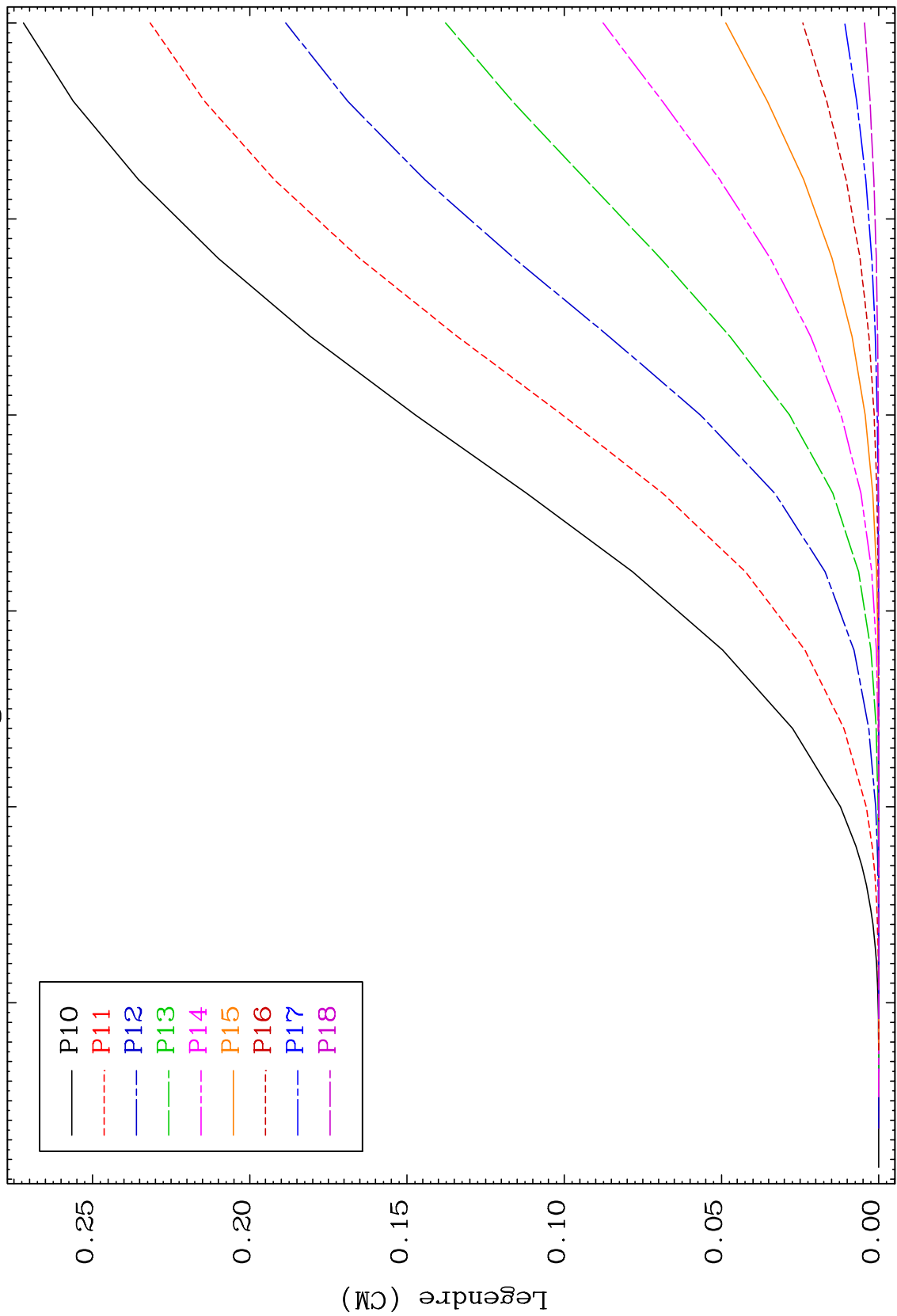
39-Y -86



MAT 3916

### Elastic Legendre Coefficients

39-Y -86



16

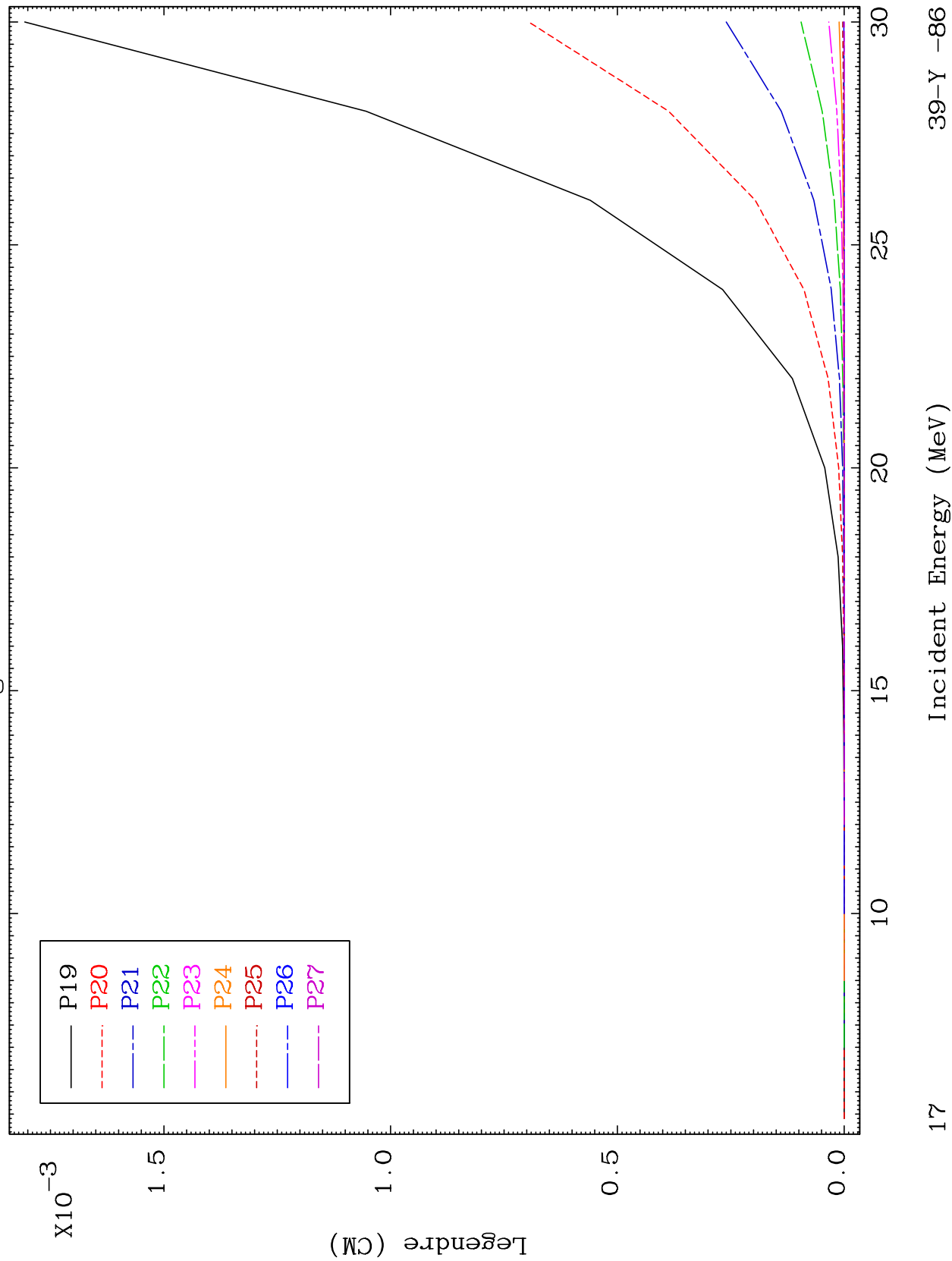
Incident Energy (MeV)

39-Y -86

MAT 3916

Elastic Legendre Coefficients

39-Y -86

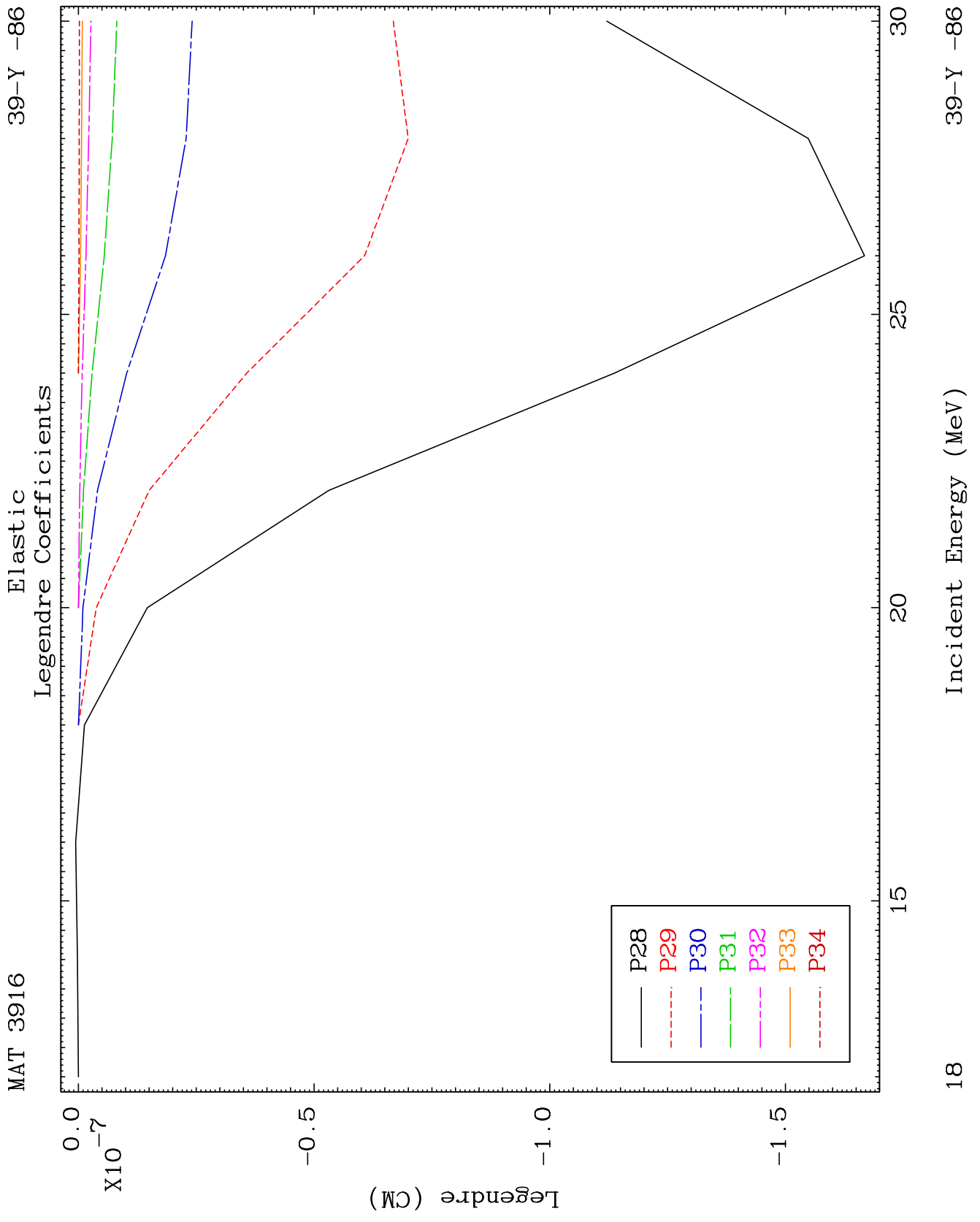


- P19
- P20
- P21
- P22
- P23
- P24
- P25
- P26
- P27

17

Incident Energy (MeV)

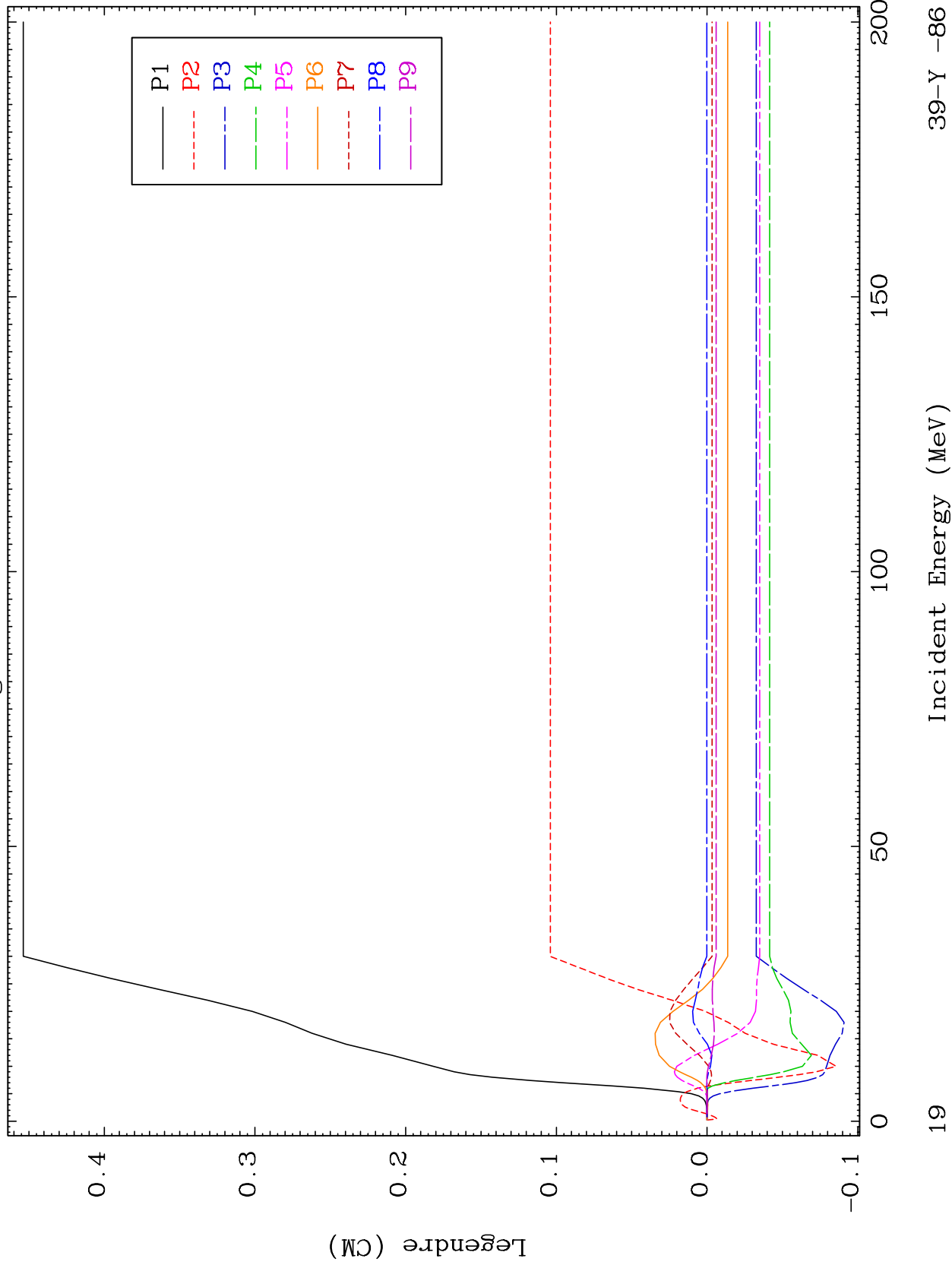
39-Y -86



MAT 3916

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

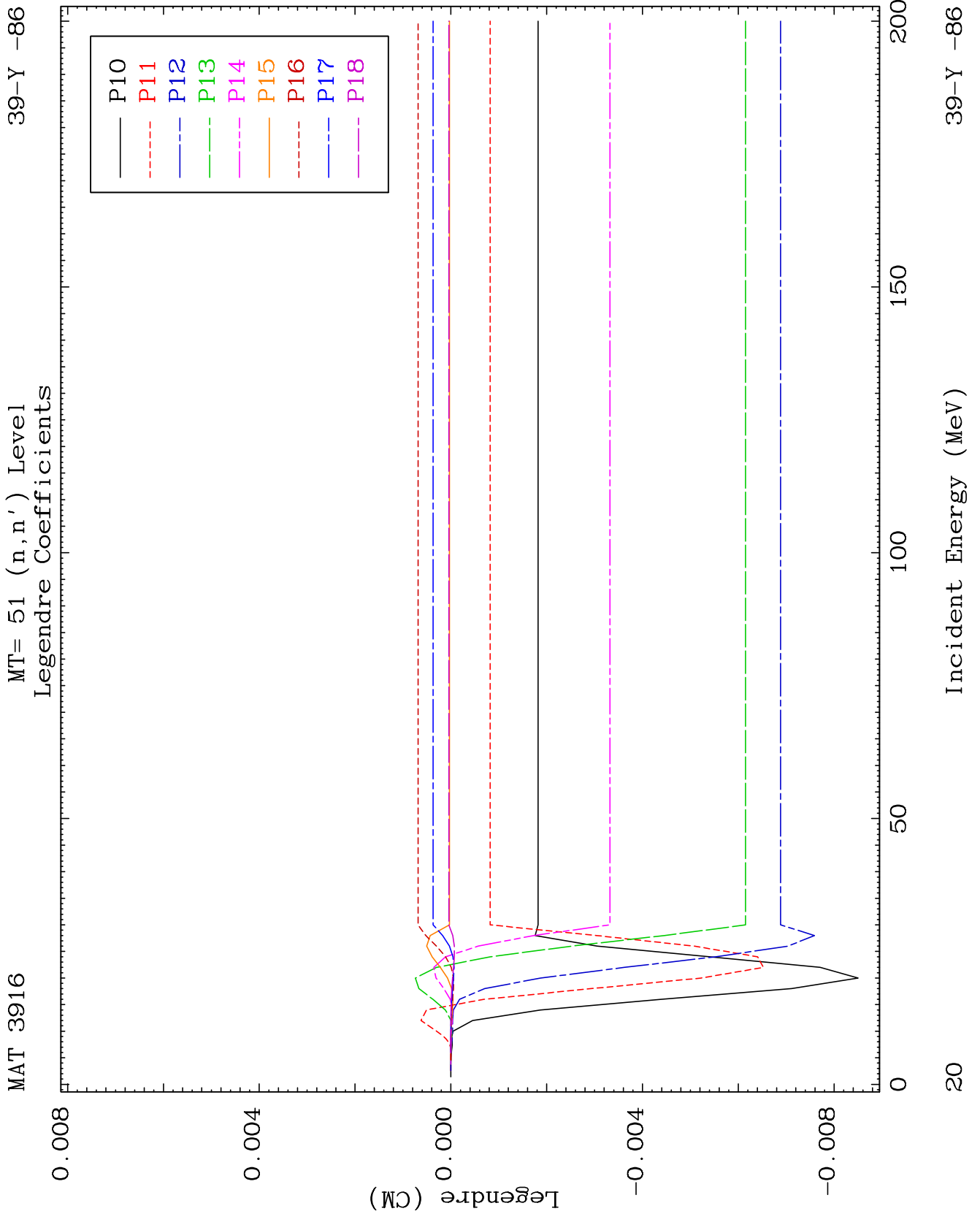
39-Y -86

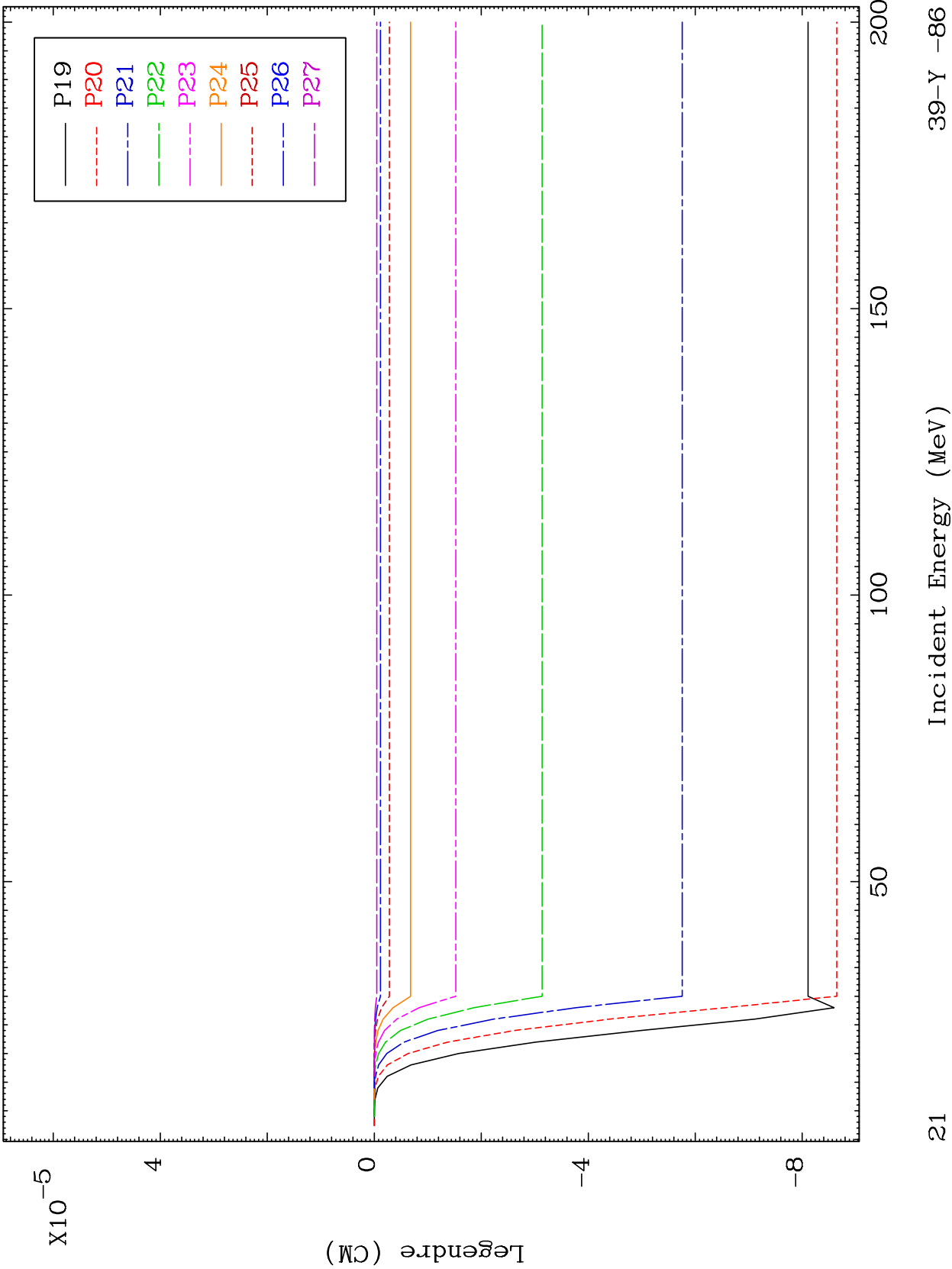


39-Y -86

Incident Energy (MeV)

19

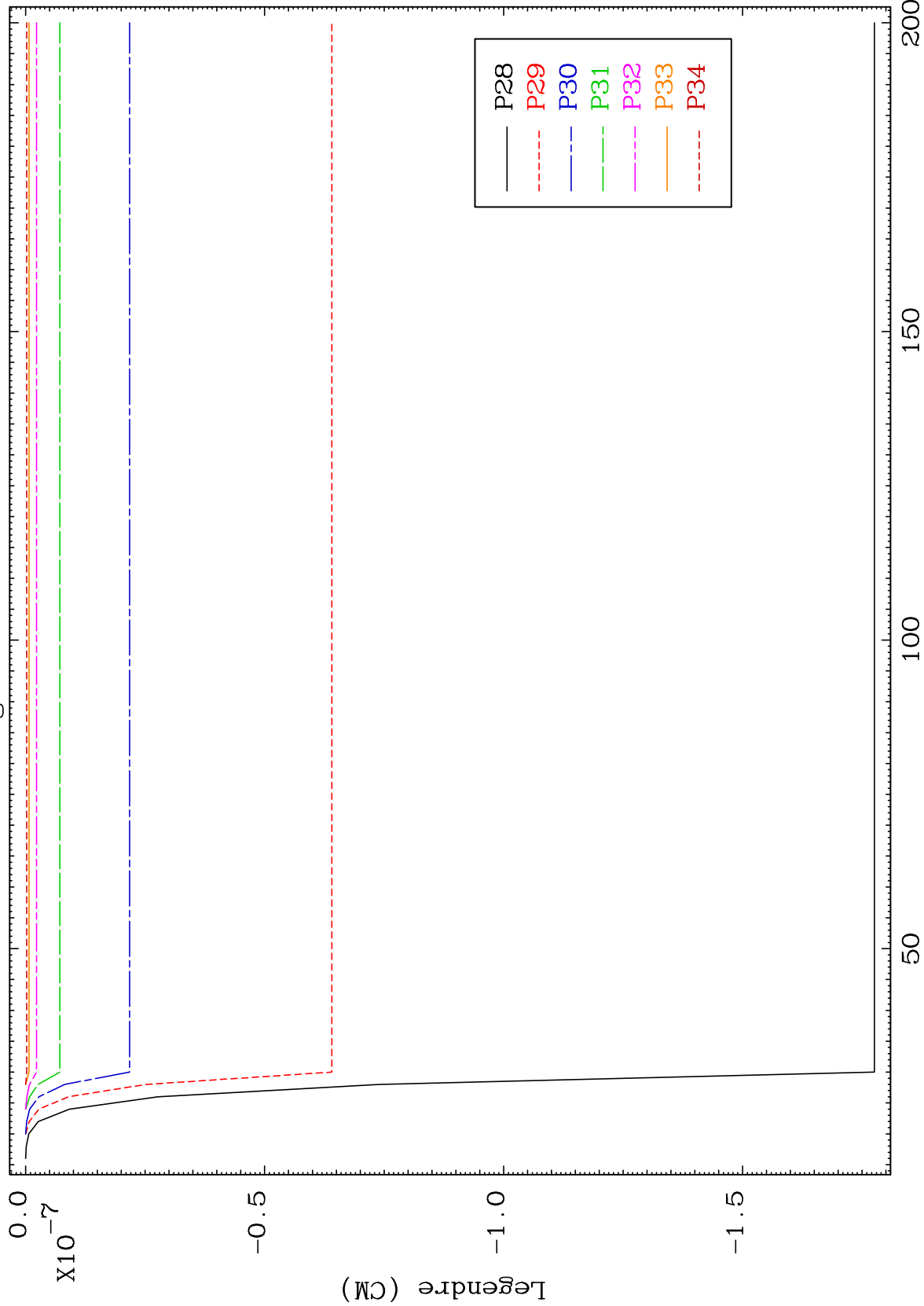




MAT 3916

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

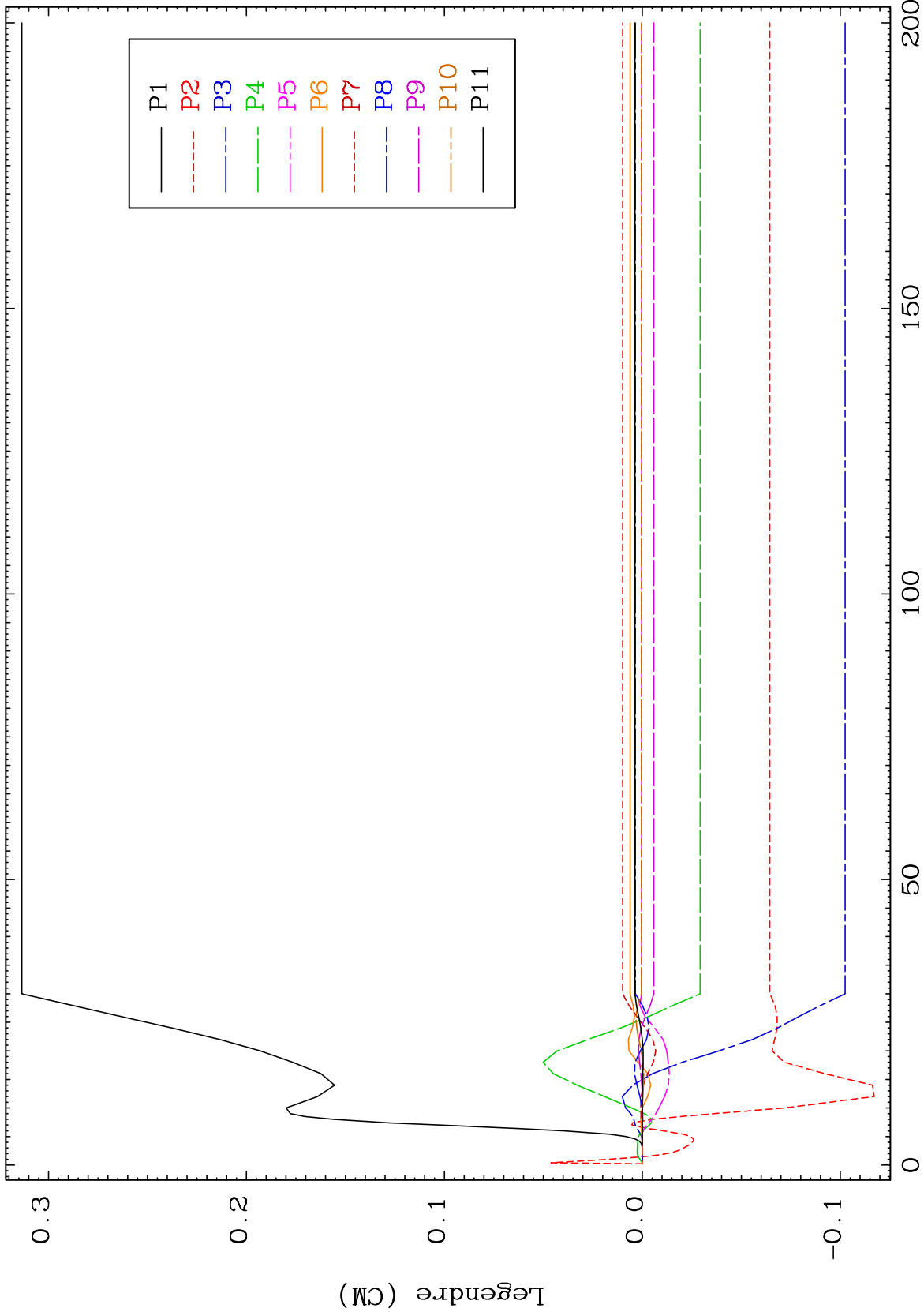
39-Y -86



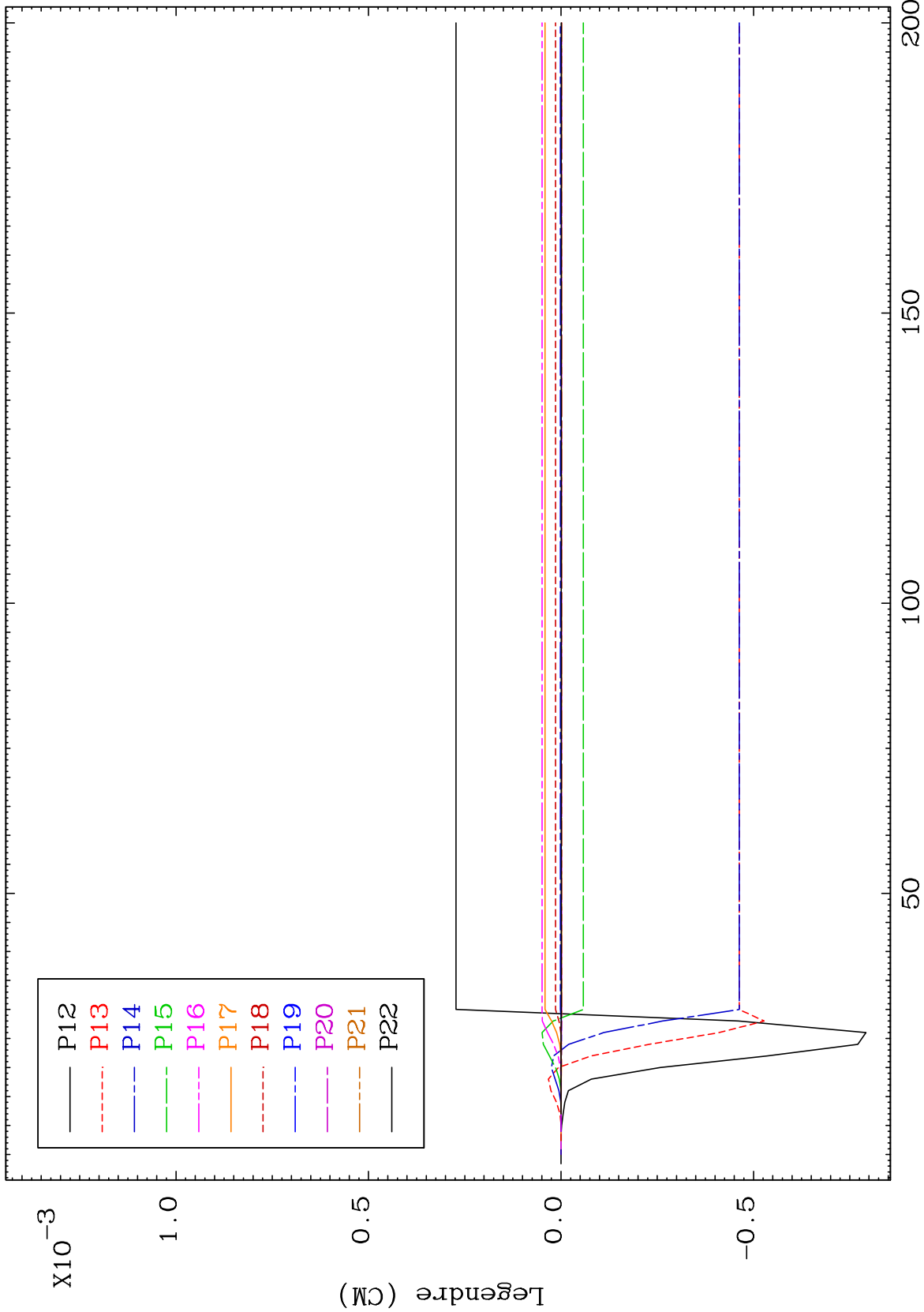
22

Incident Energy (MeV)

39-Y -86



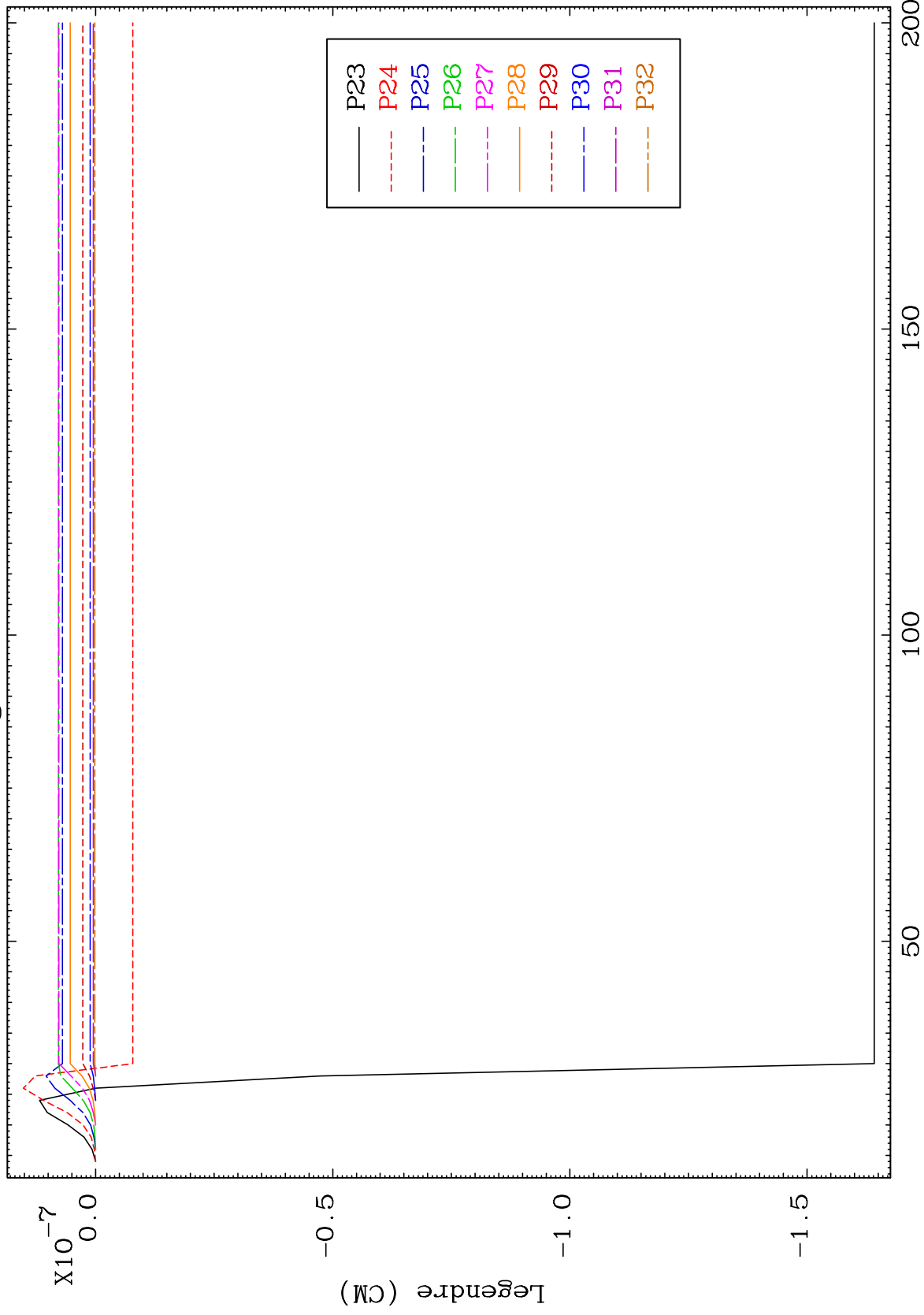




MAT 3916

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

39-Y -86



25

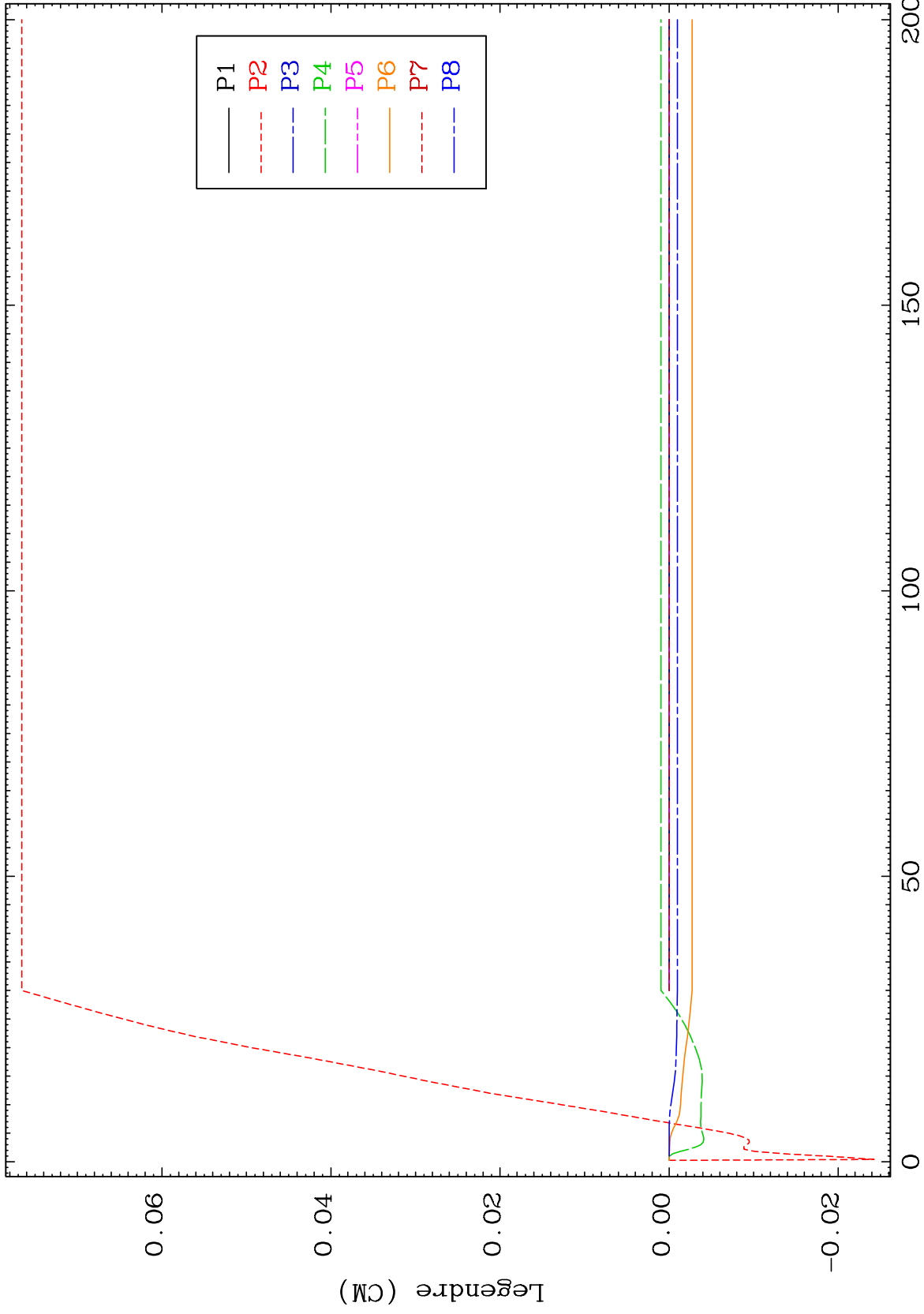
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



26

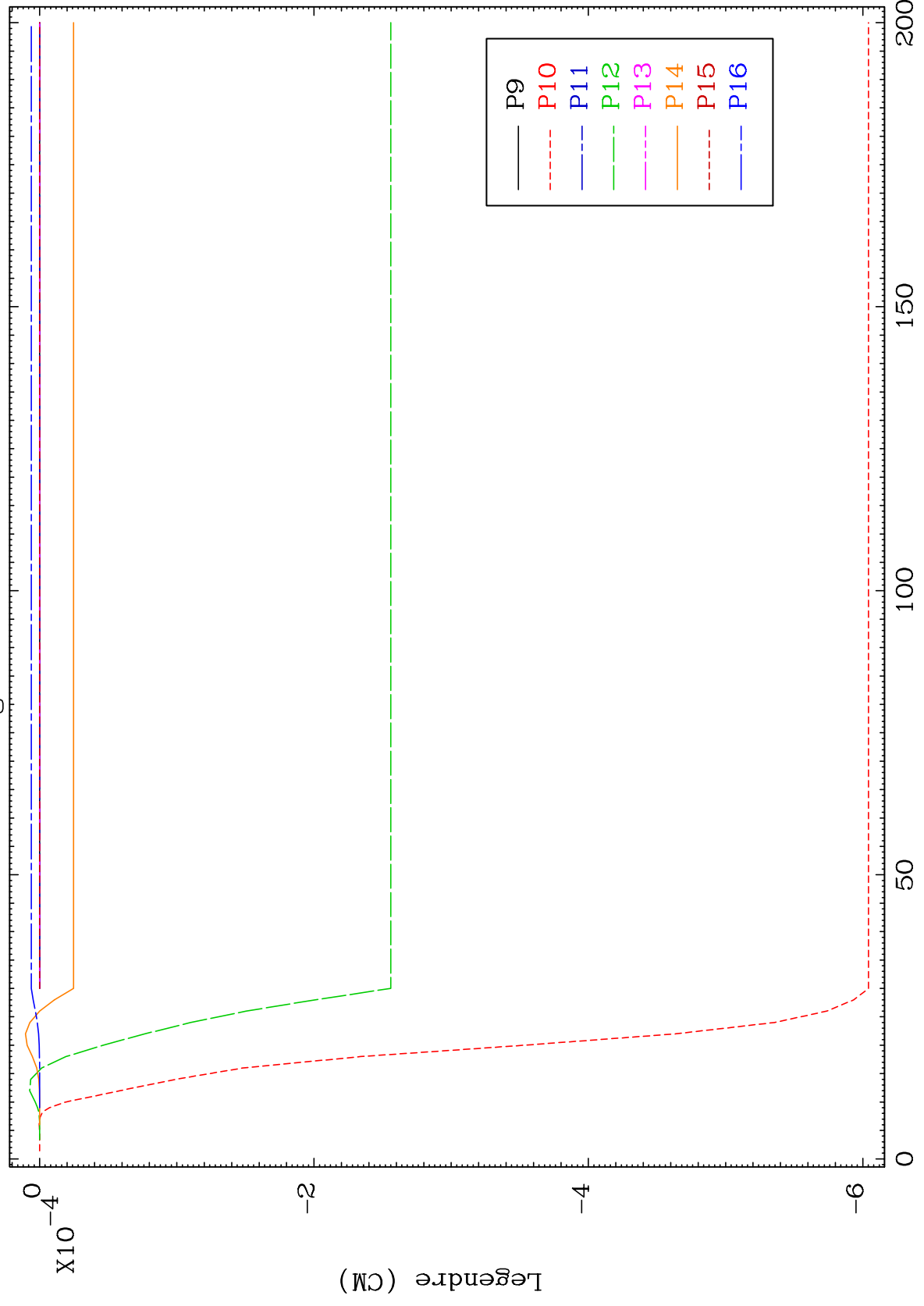
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



39-Y -86

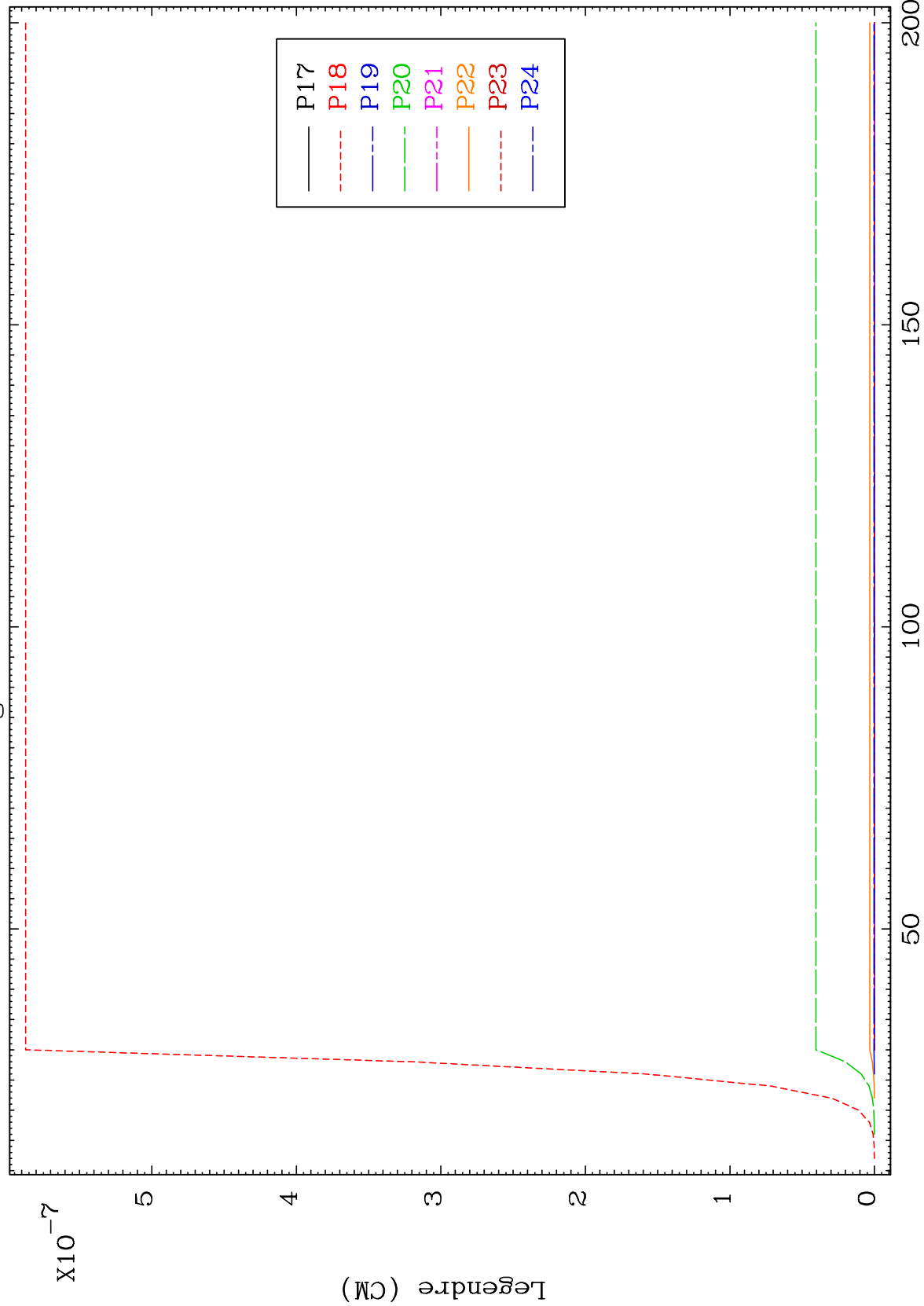
Incident Energy (MeV)

27

MAT 3916

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

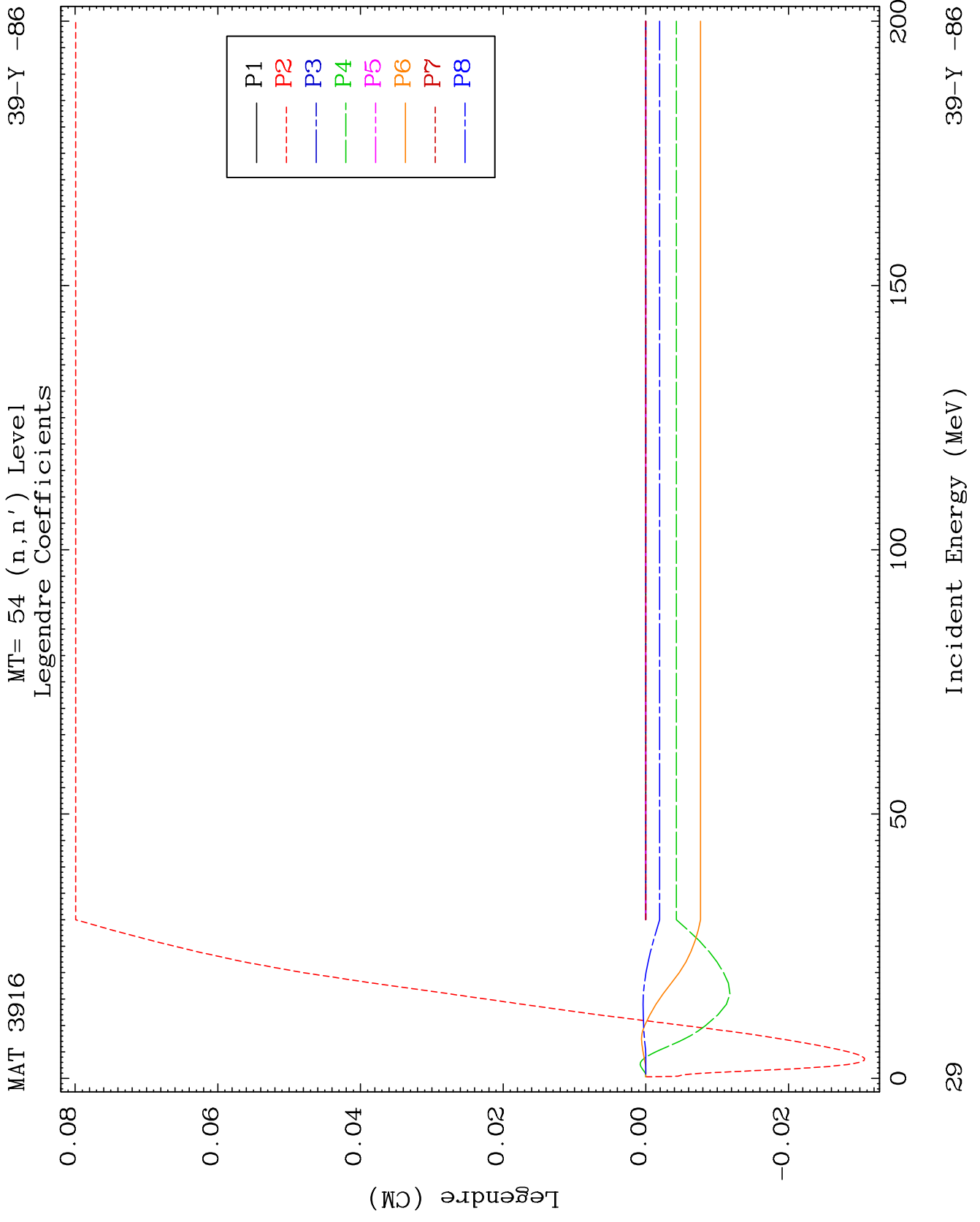
39-Y -86



28

Incident Energy (MeV)

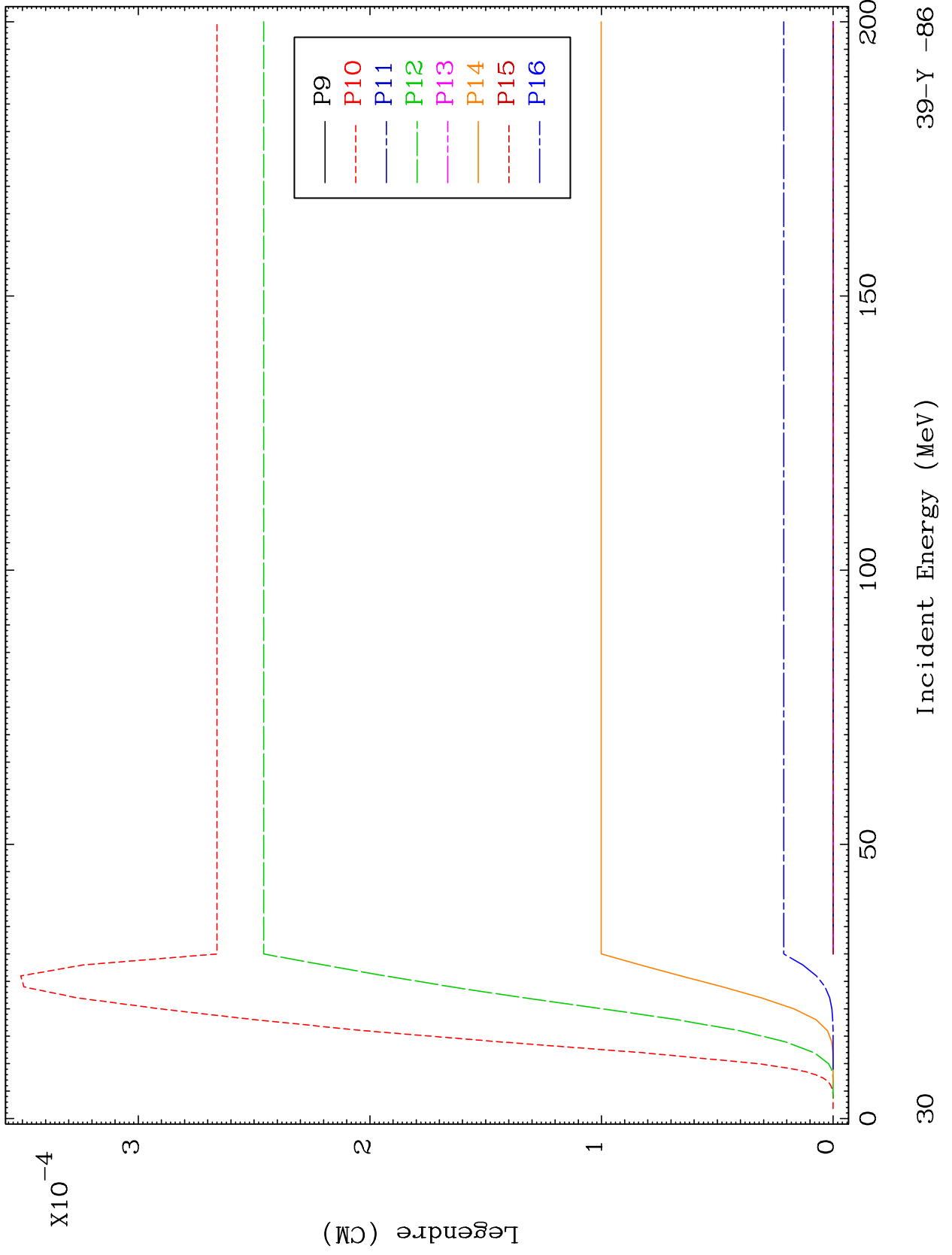
39-Y -86



MAT 3916

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

39-Y -86

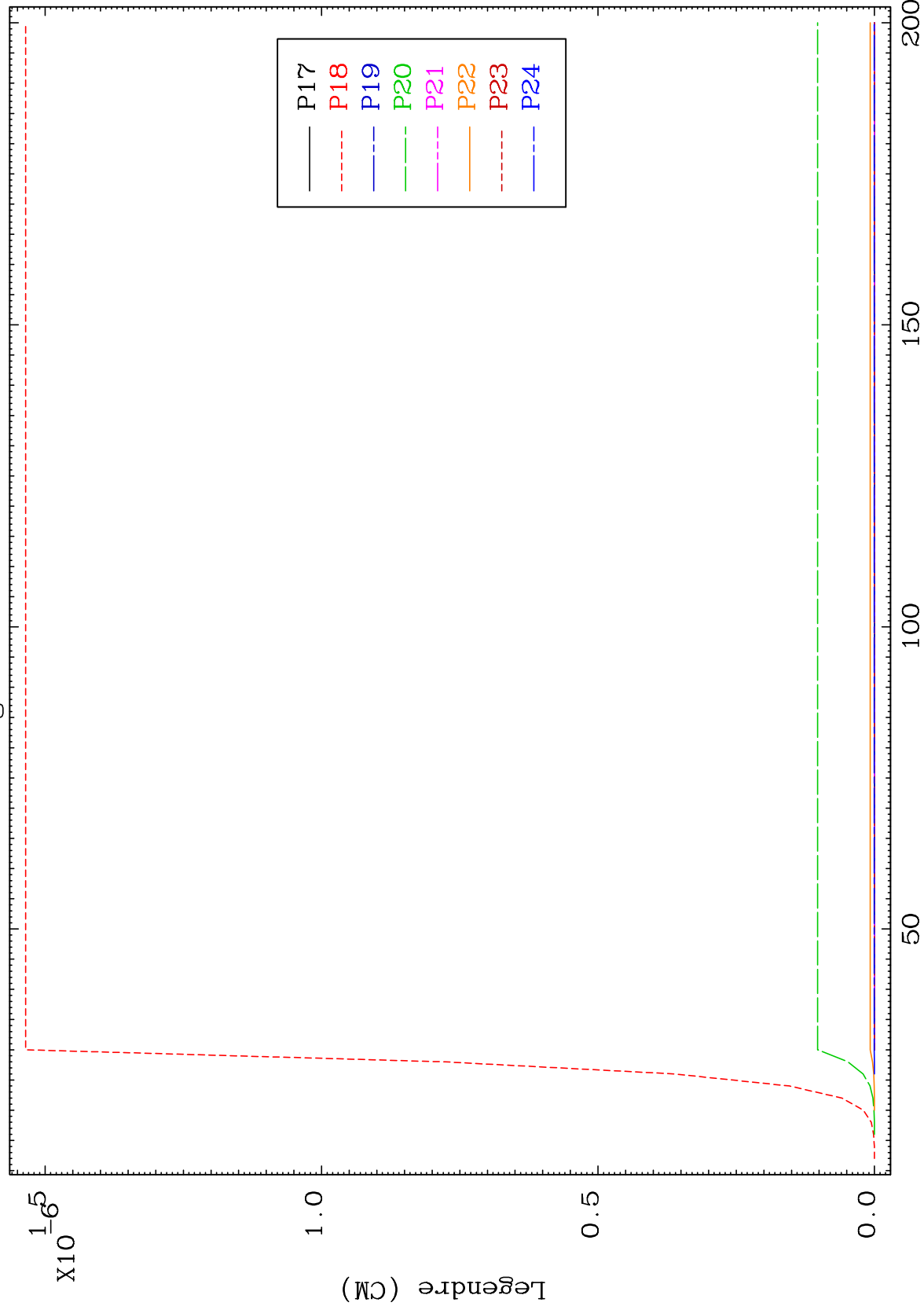


39-Y -86

MAT 3916

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

39-Y -86

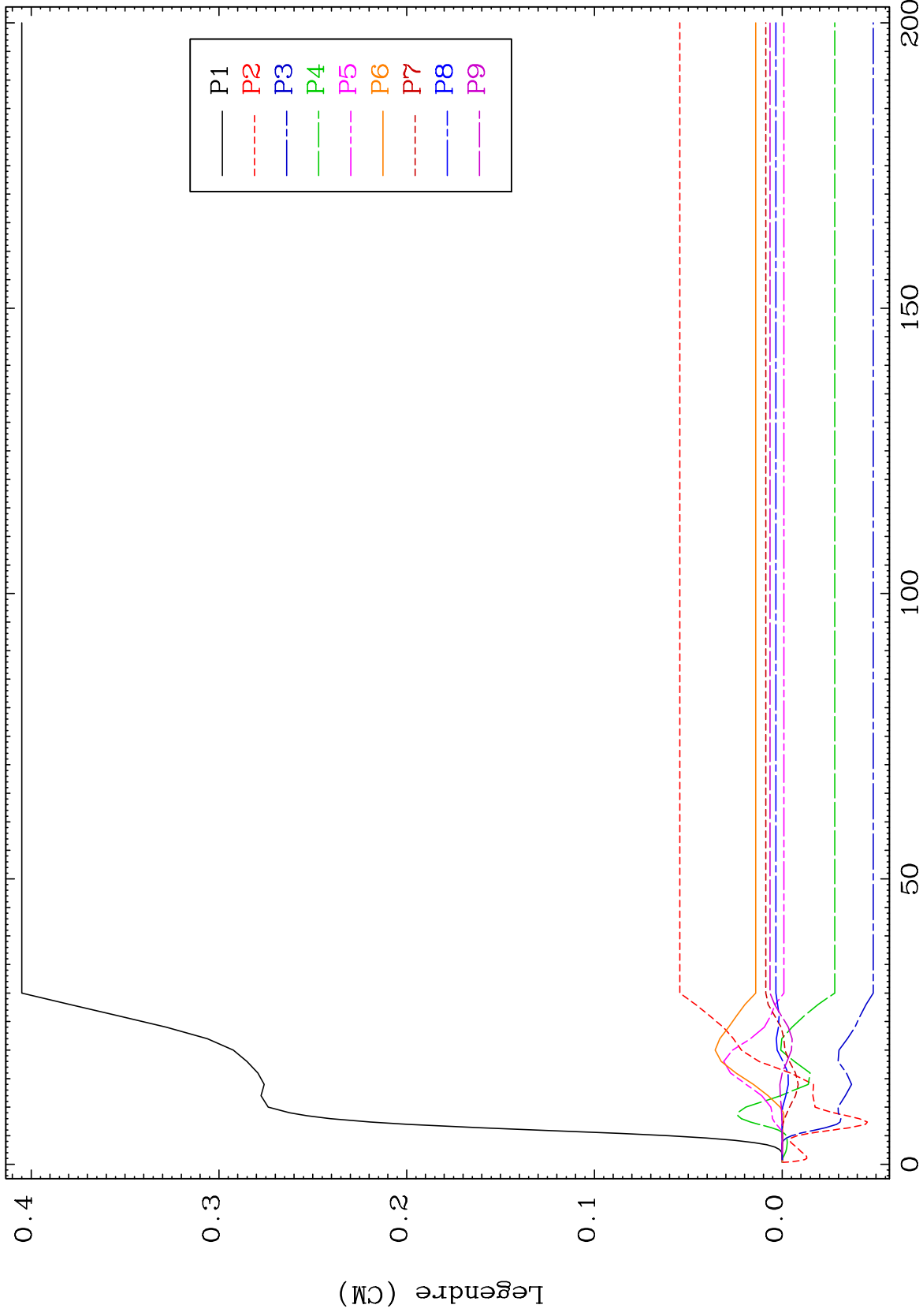


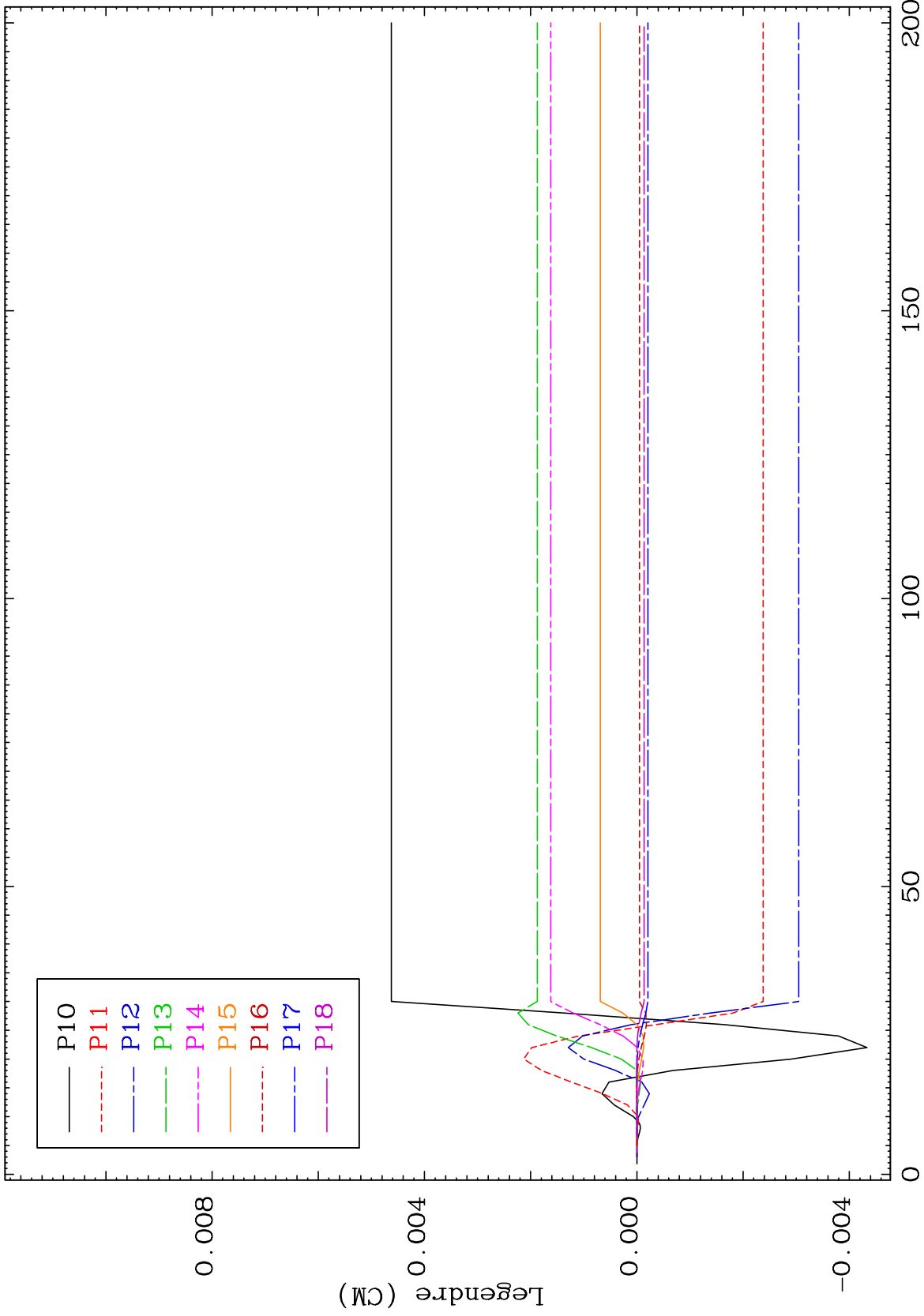
31

Incident Energy (MeV)

39-Y -86



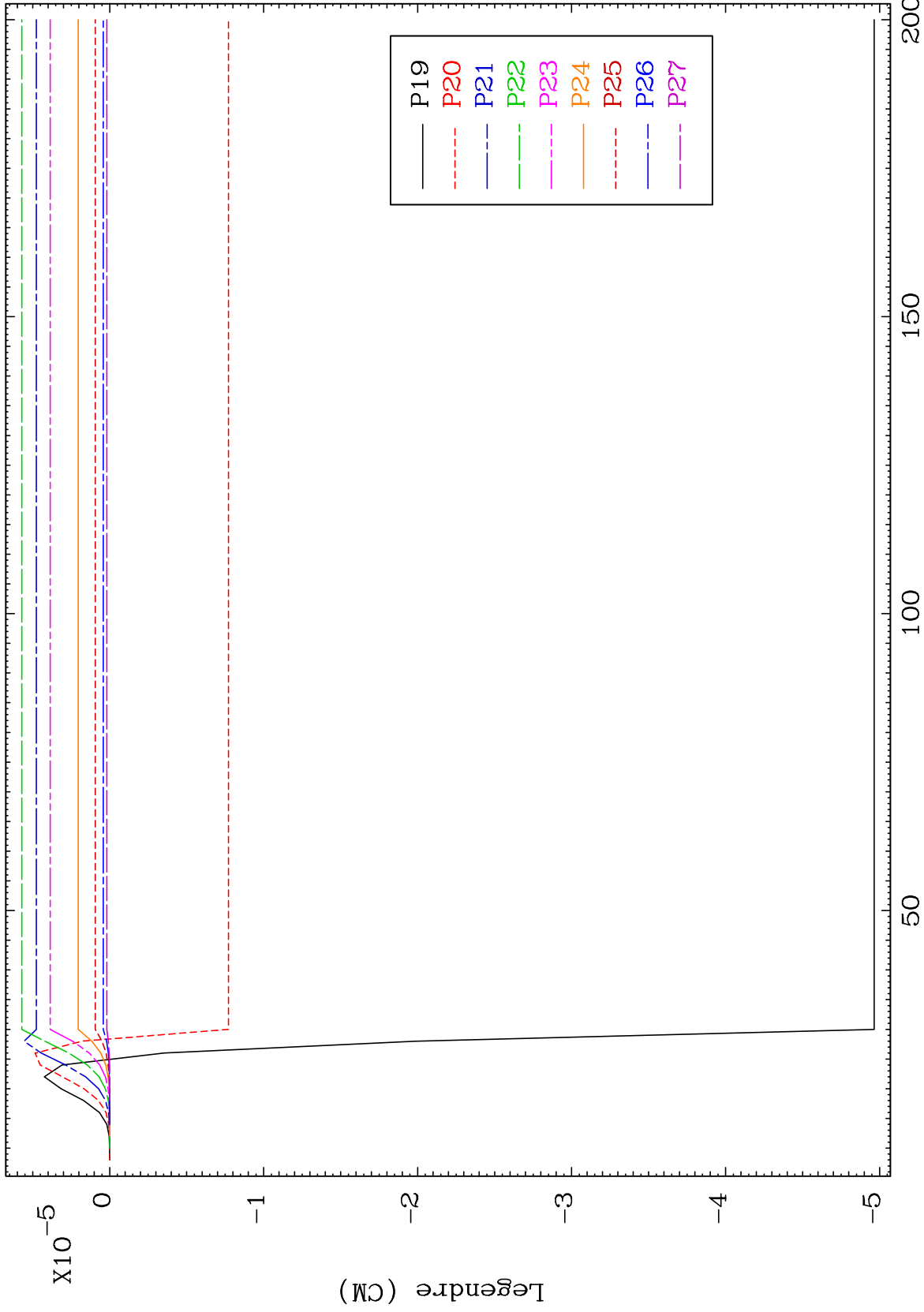




MAT 3916

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

39-Y -86



34

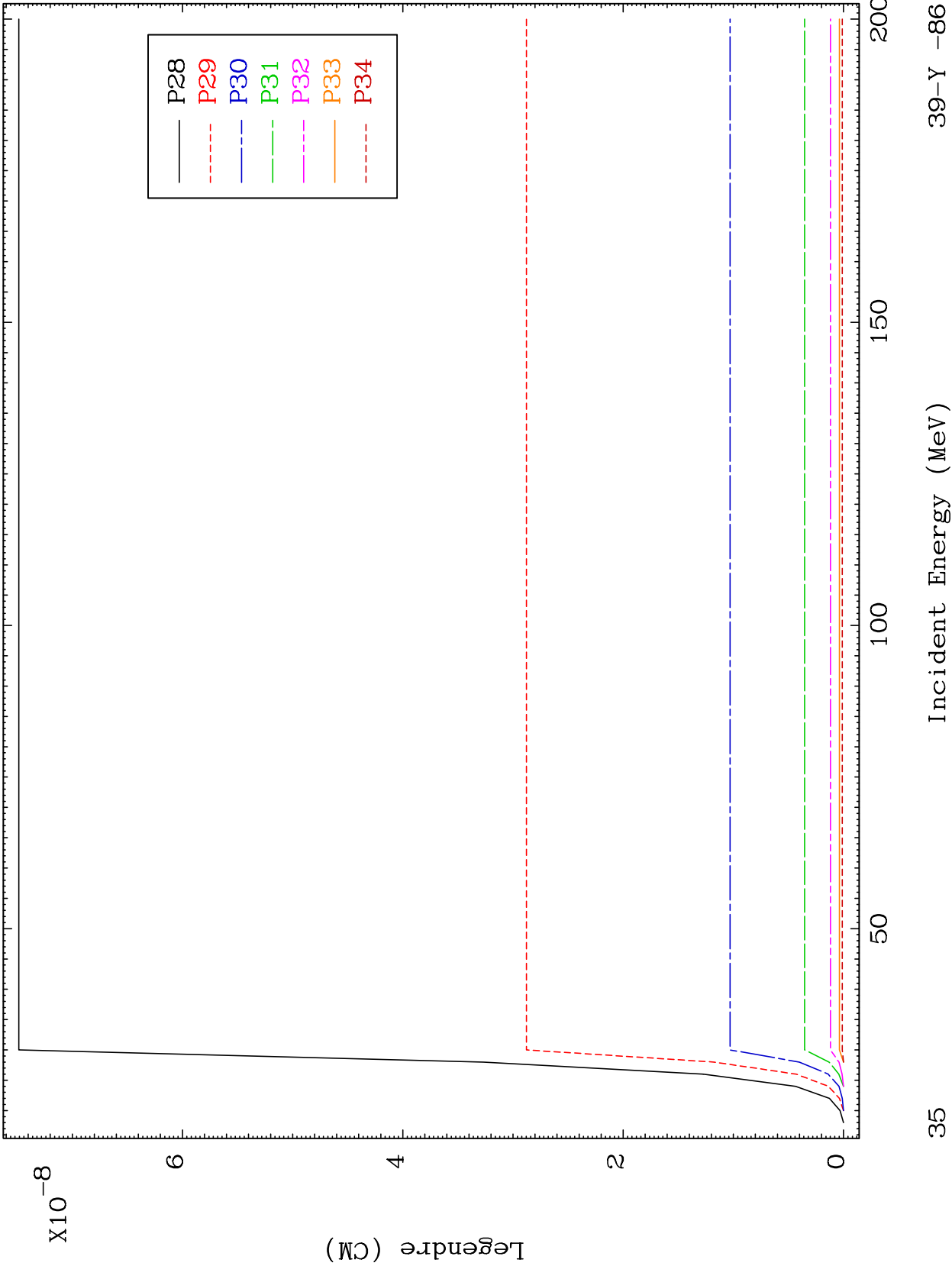
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



35

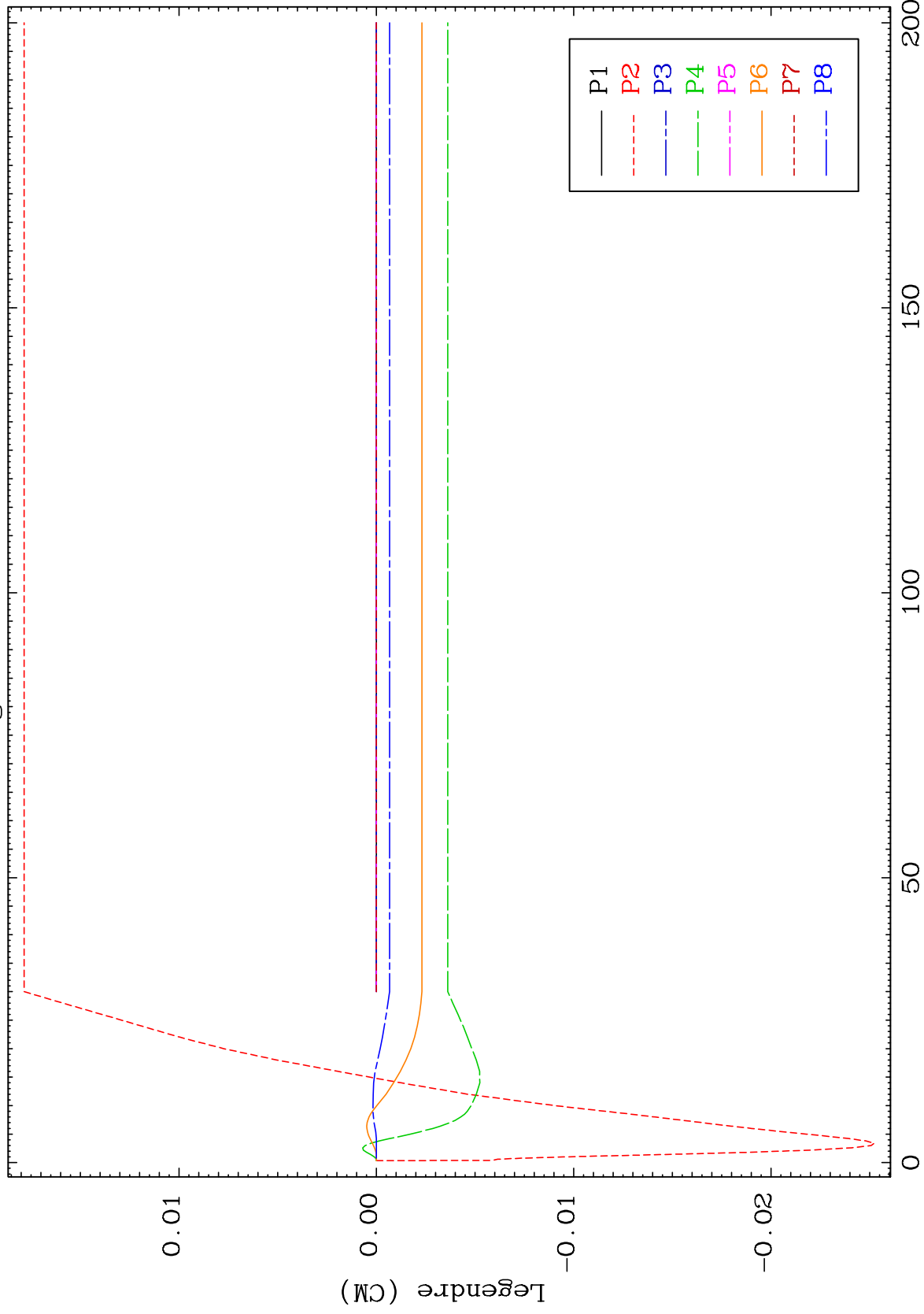
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



36

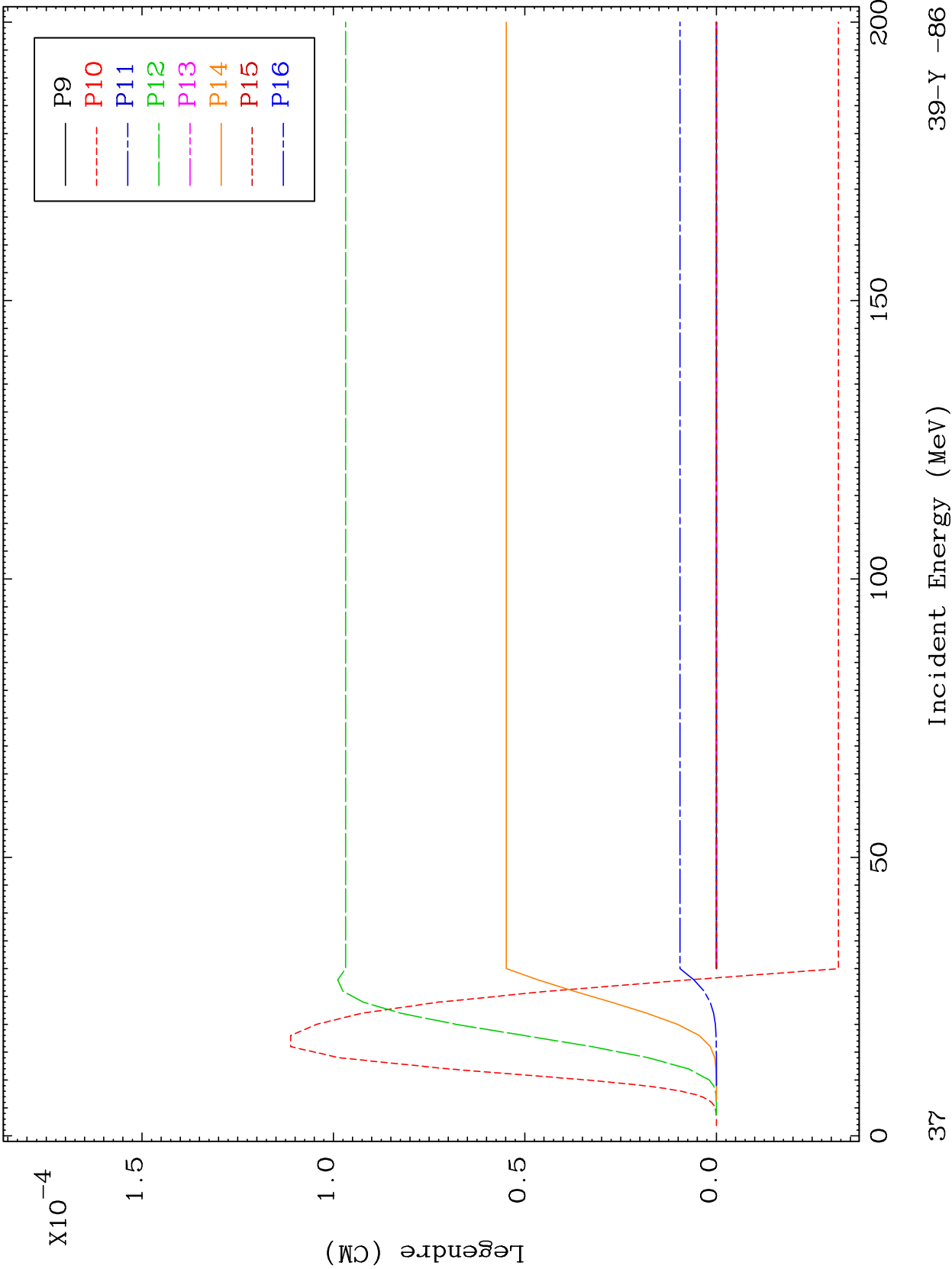
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



37

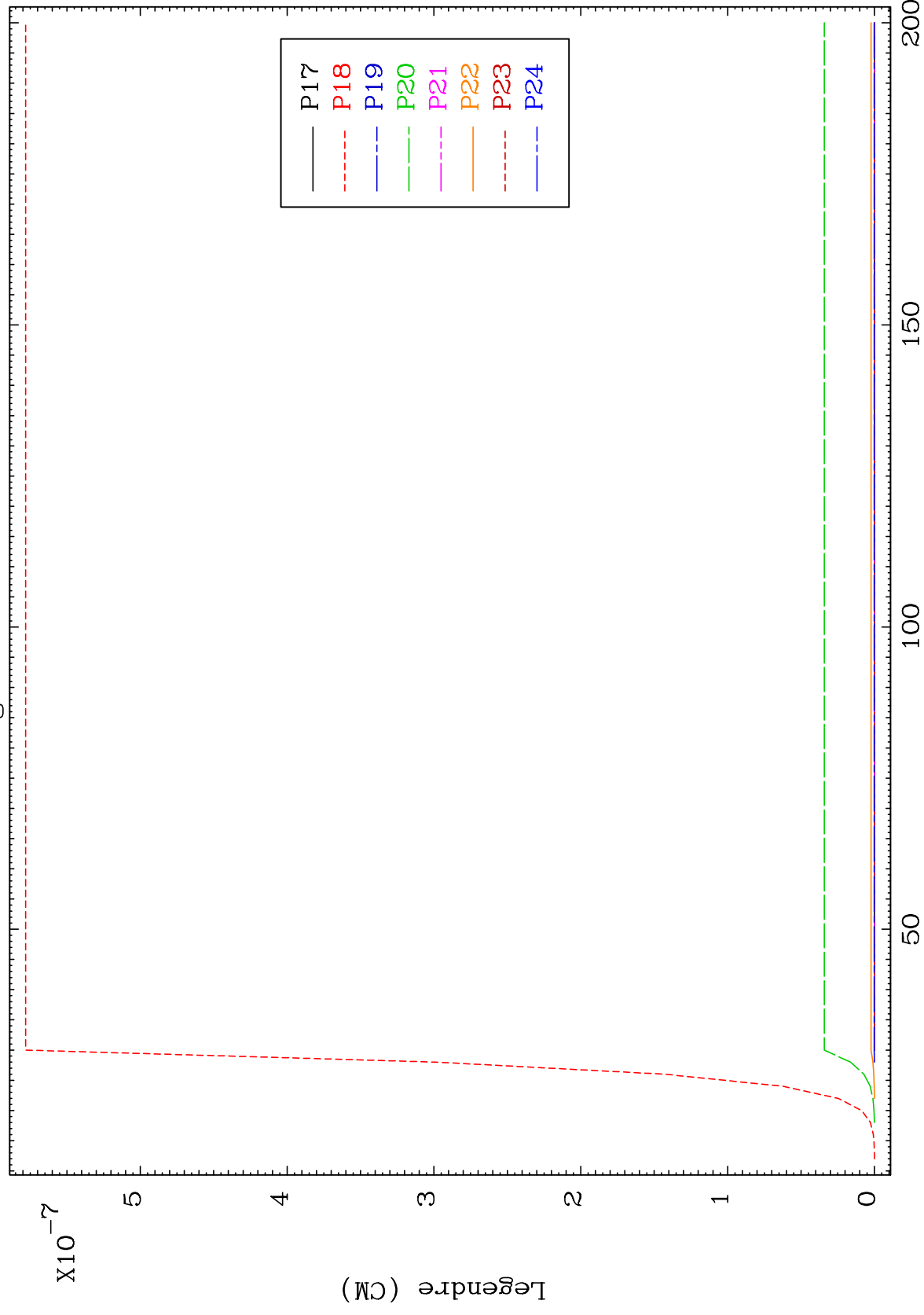
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



39-Y -86

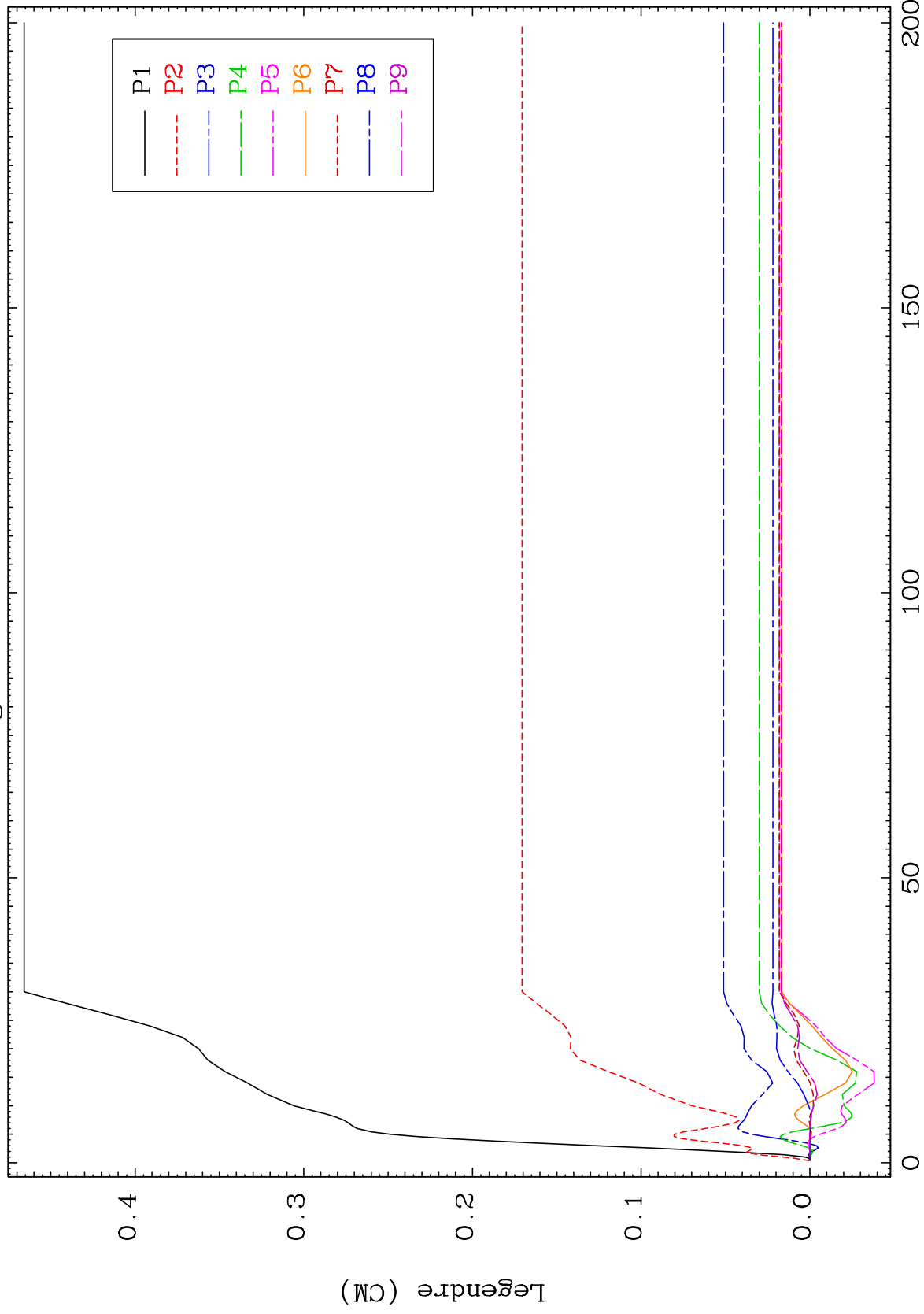
Incident Energy (MeV)

38

MAT 3916

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

39-Y -86



39

Incident Energy (MeV)

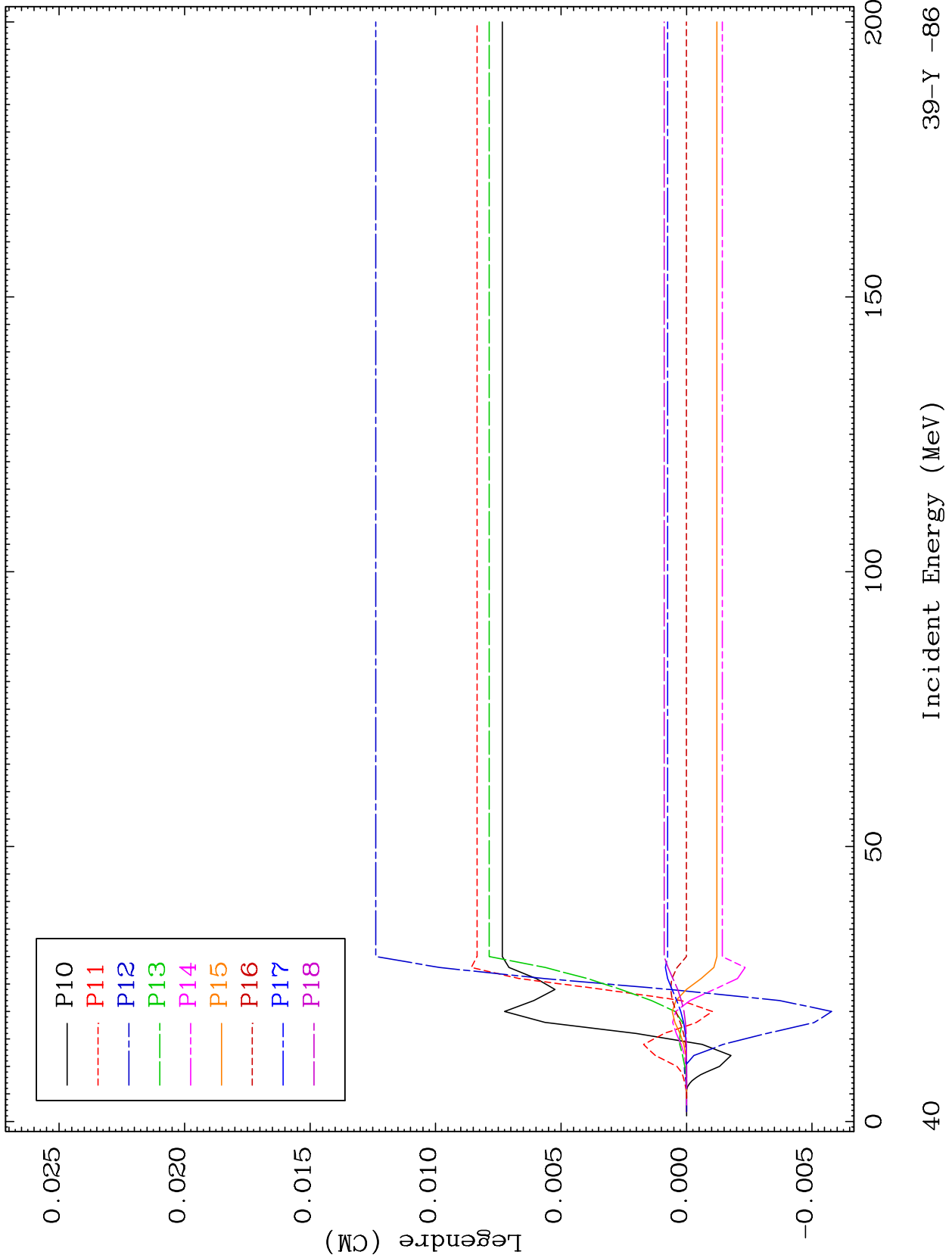
39-Y -86



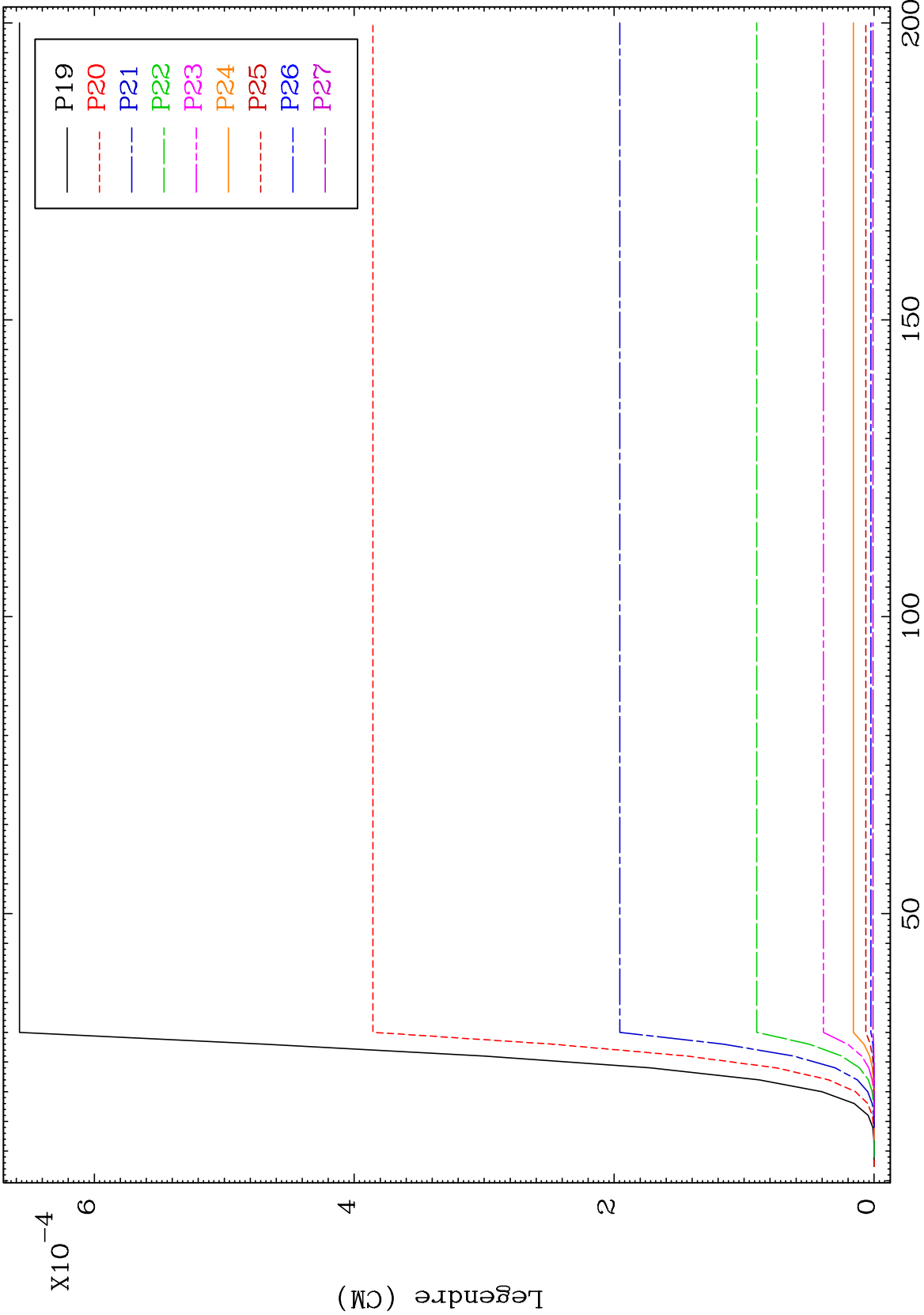
MAT 3916

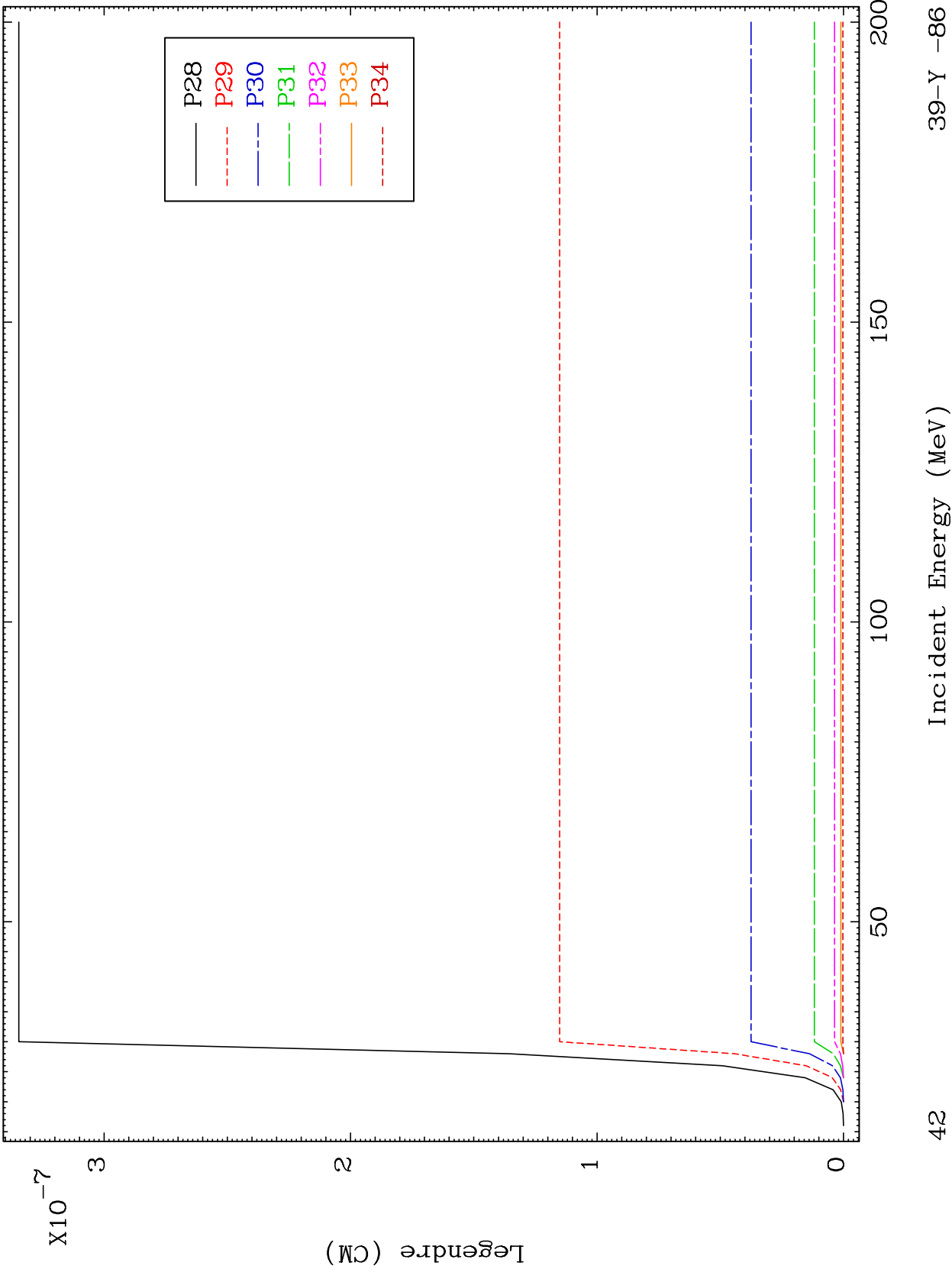
MT= 57 (n,n') Level  
Legendre Coefficients

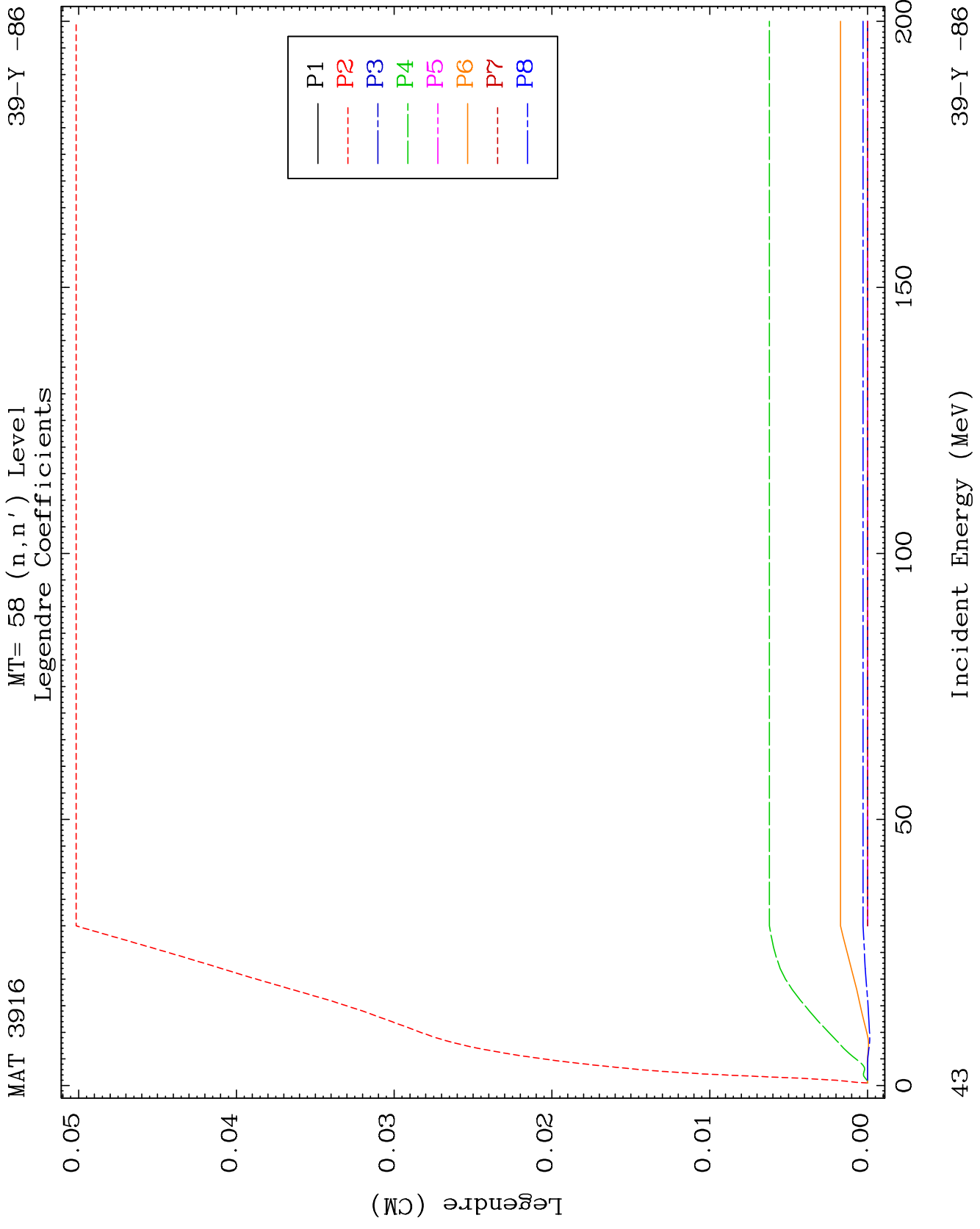
39-Y -86



39-Y -86



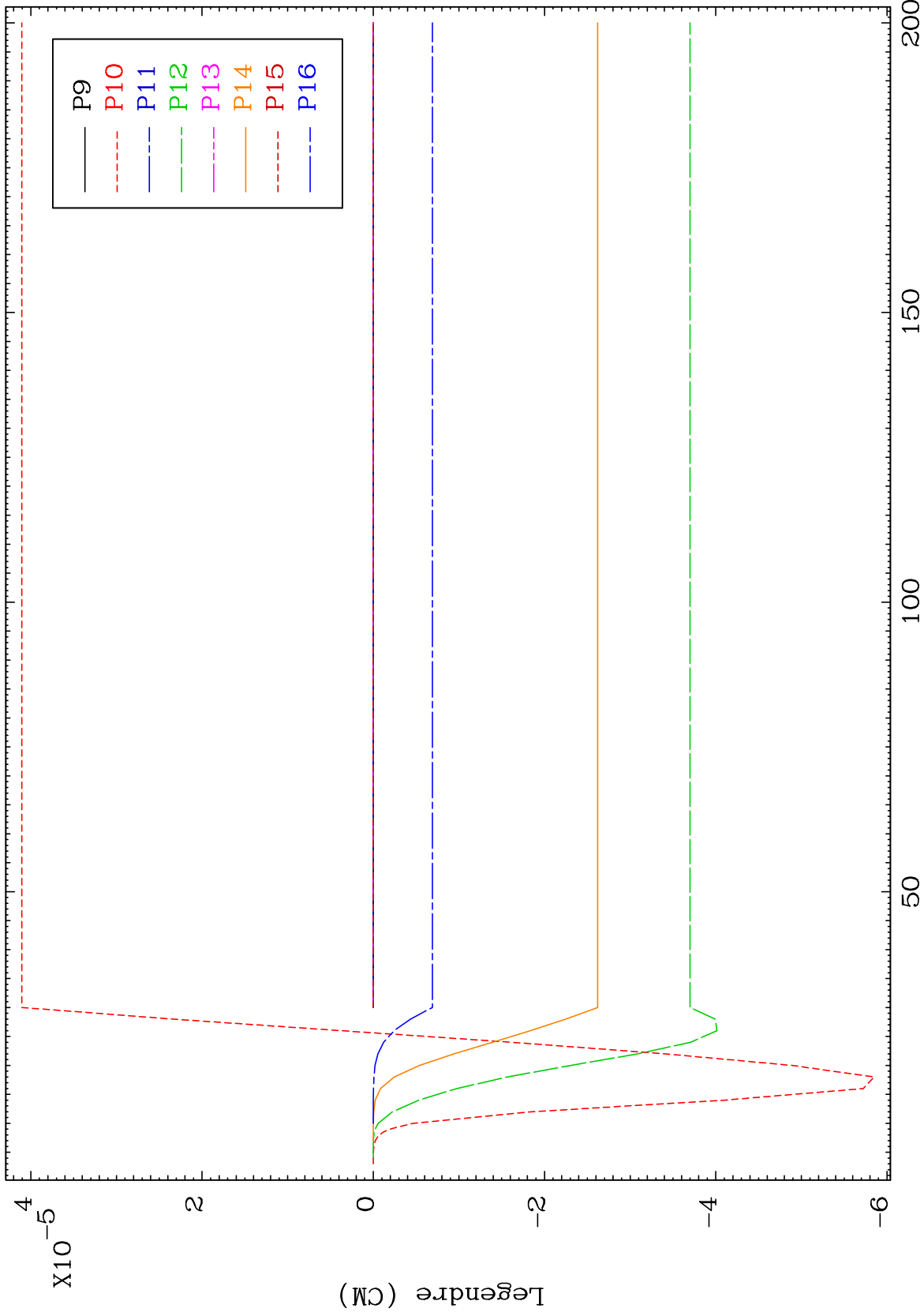




MAT 3916

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

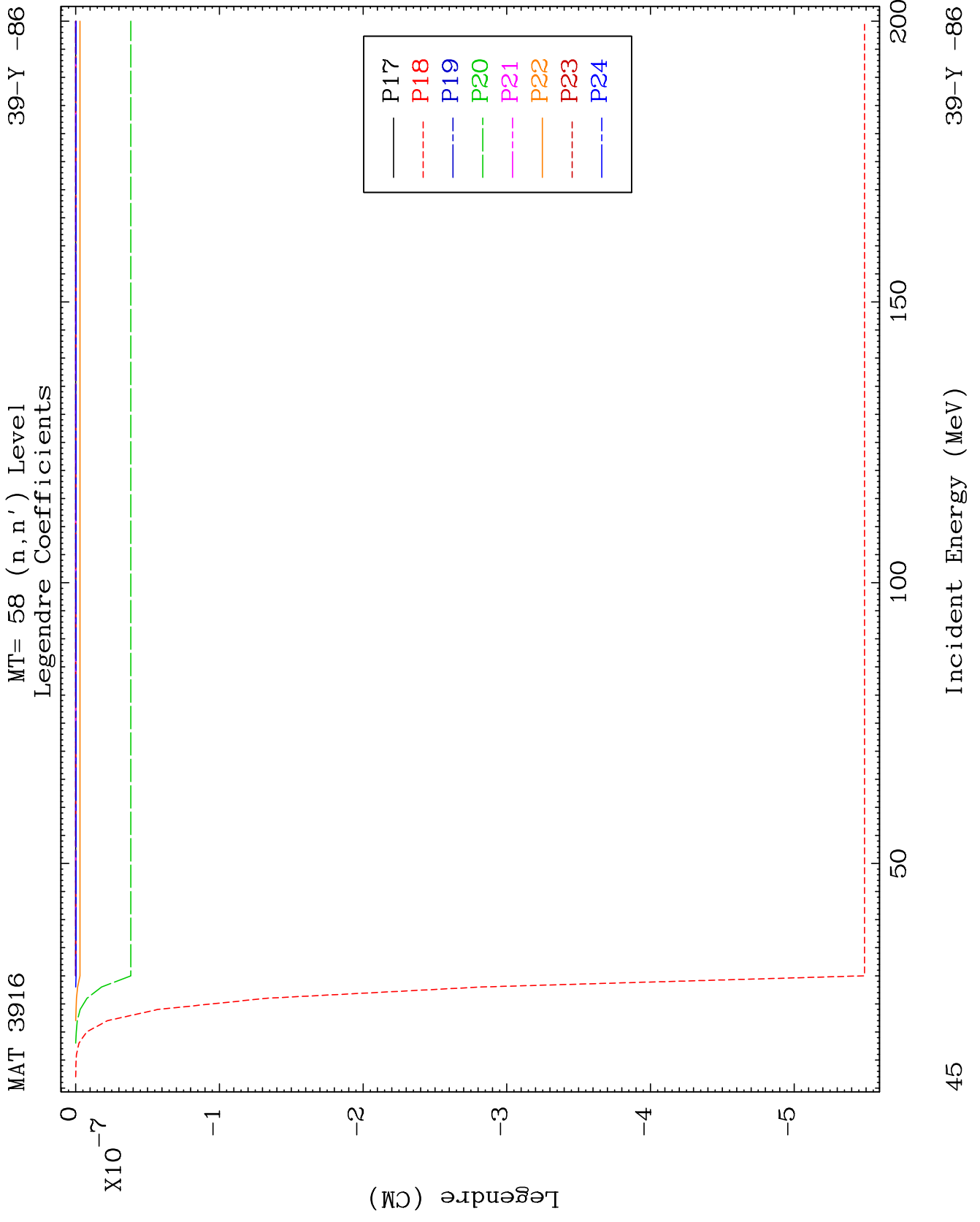
39-Y -86



44

Incident Energy (MeV)

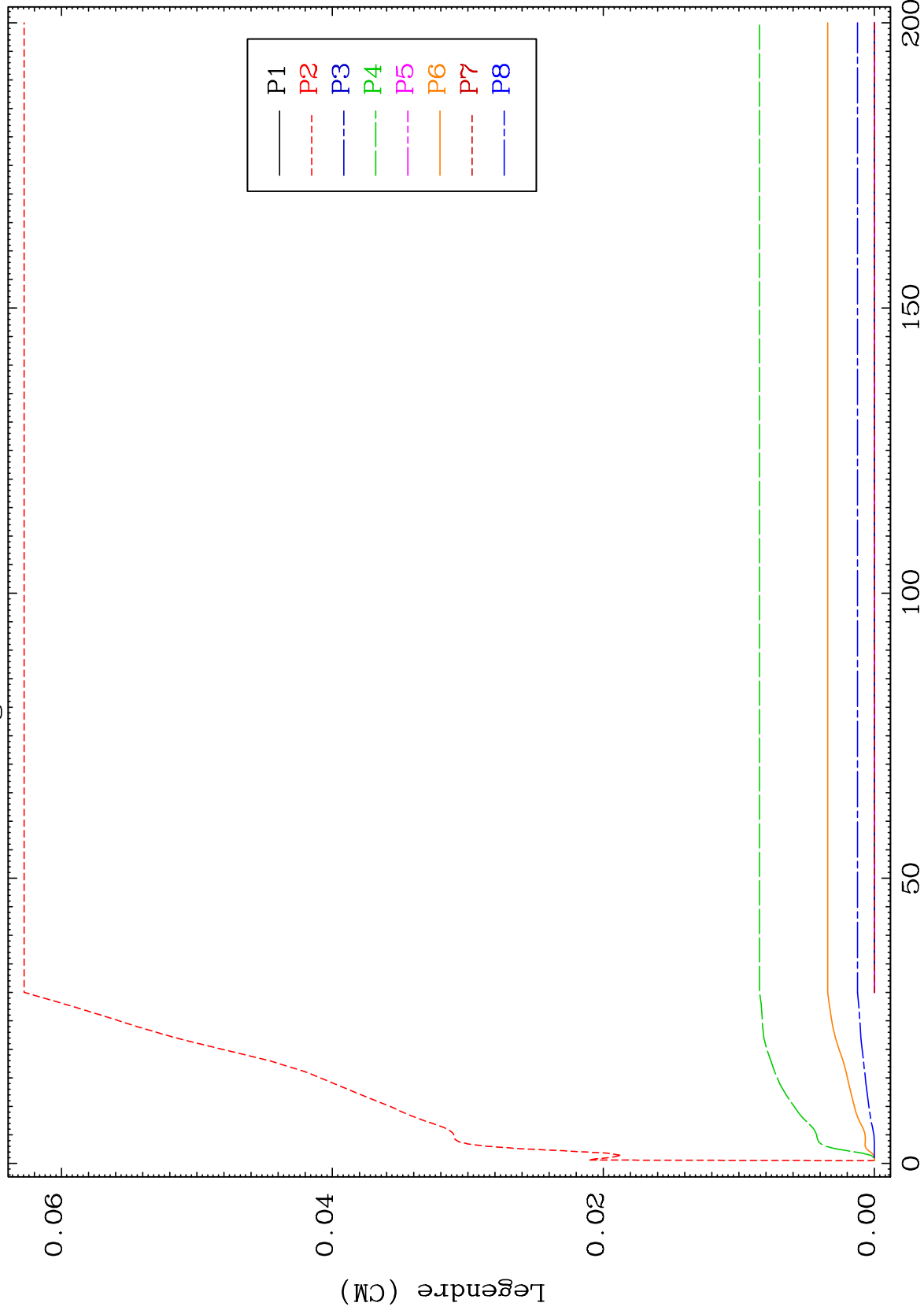
39-Y -86



MAT 3916

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

39-Y -86



46

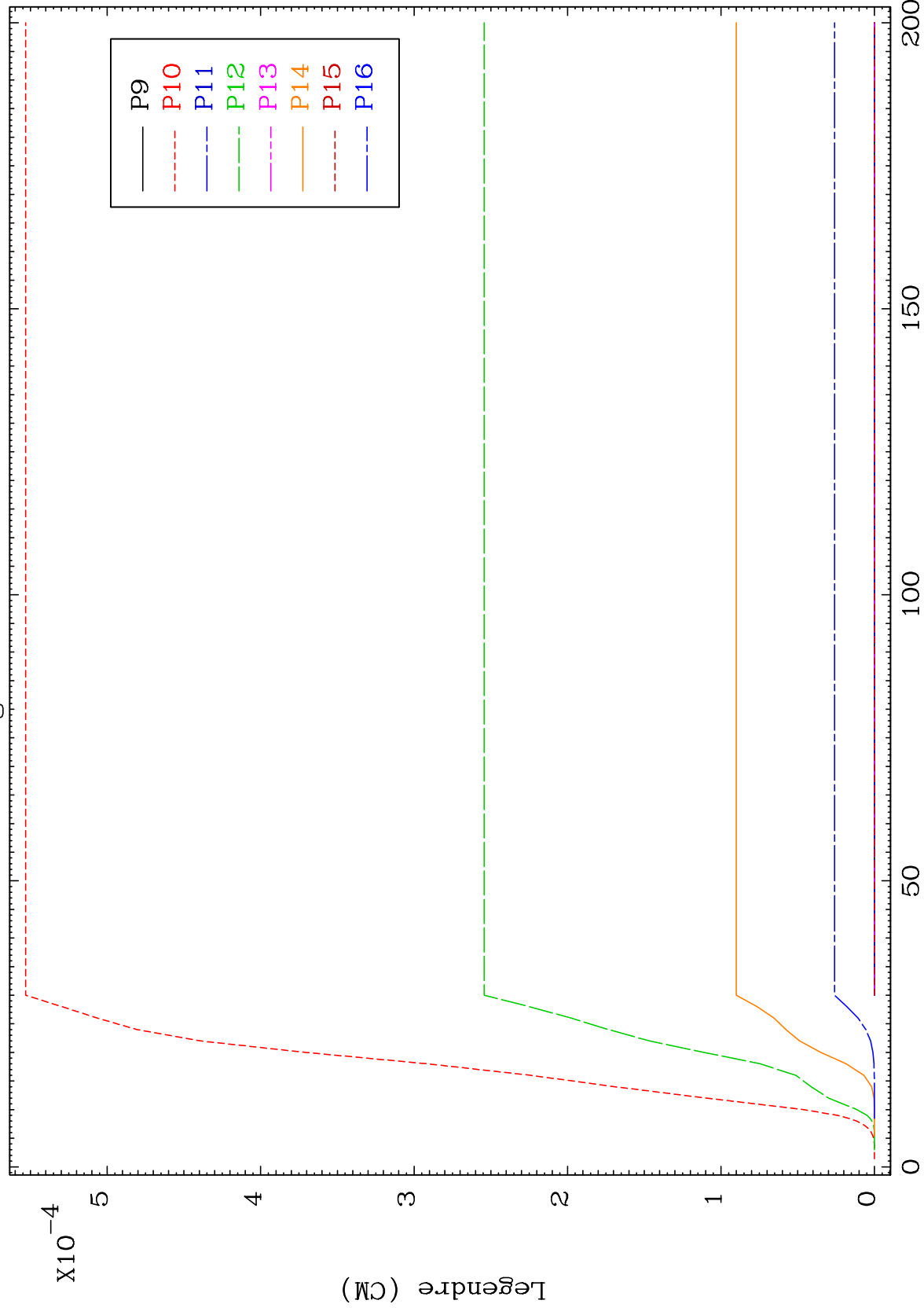
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



47

Incident Energy (MeV)

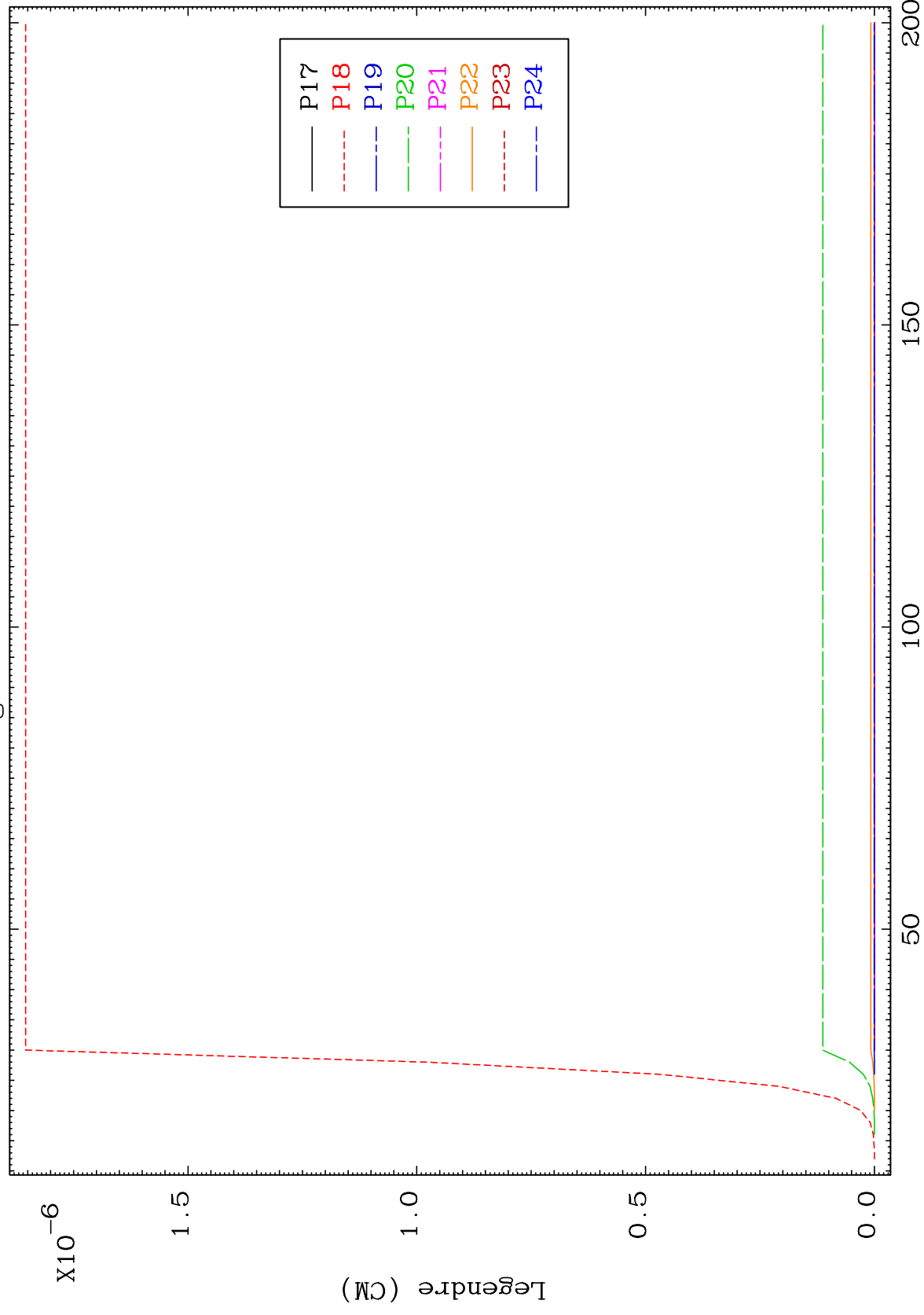
39-Y -86



MAT 3916

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

39-Y -86



48

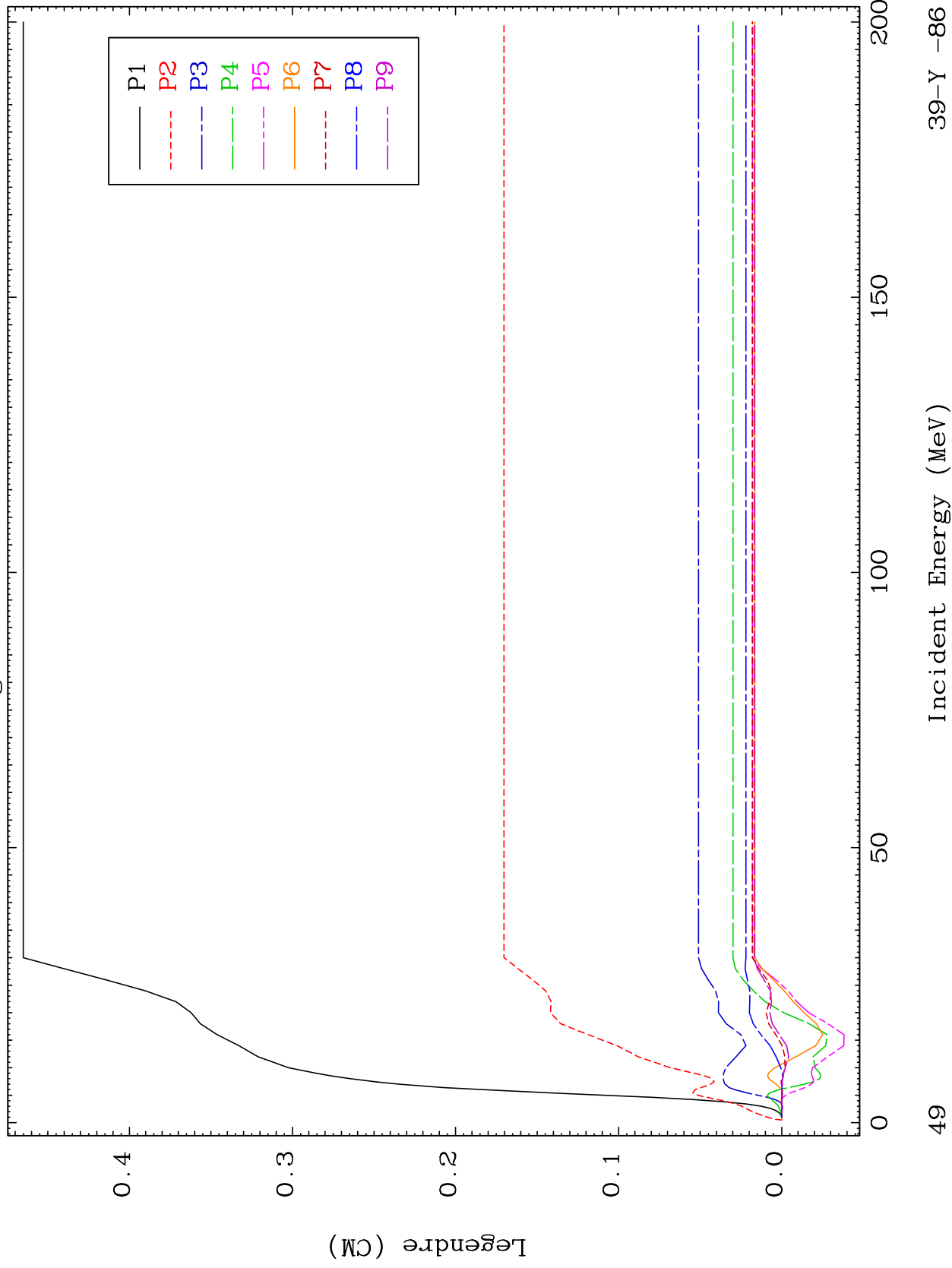
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



39-Y -86

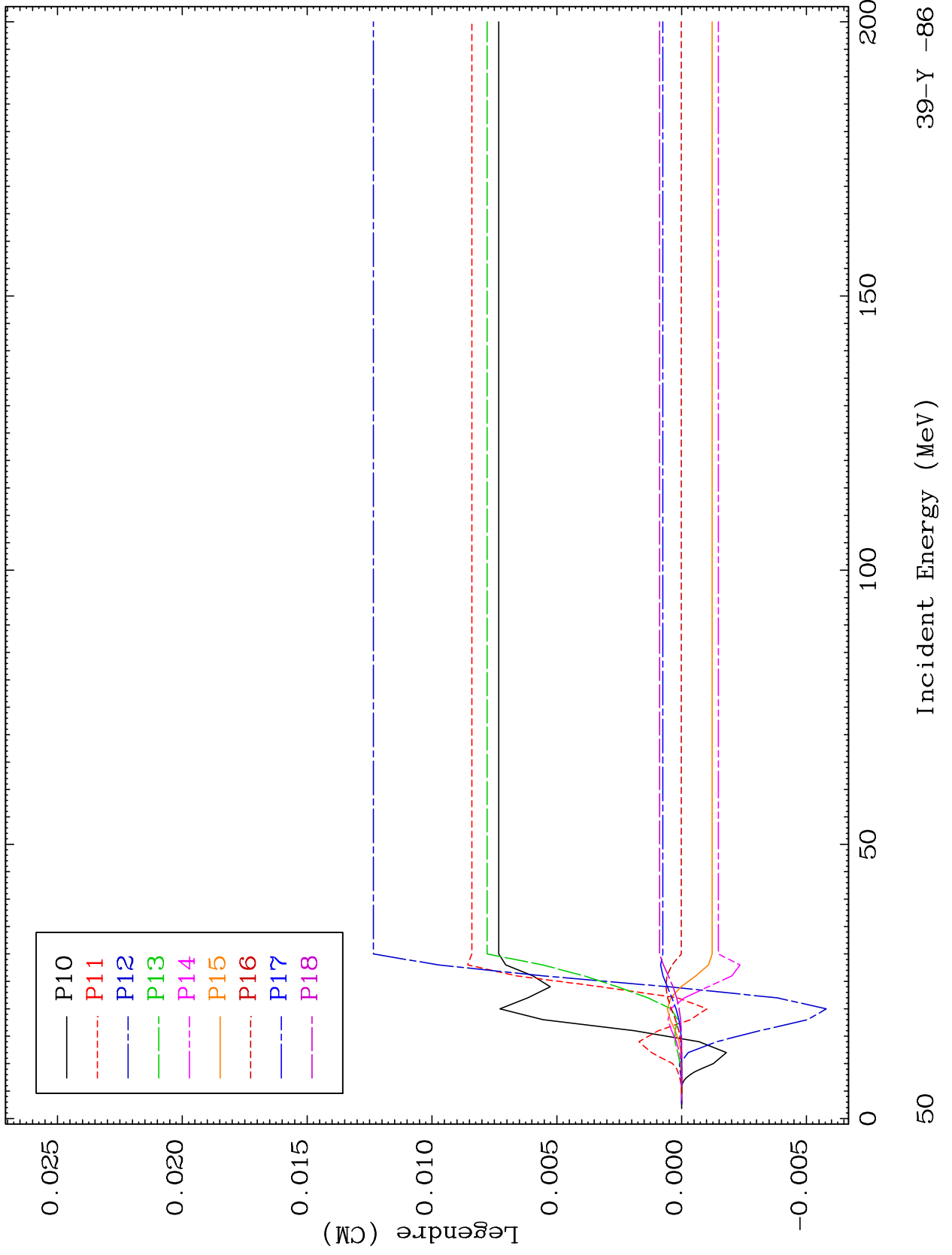
Incident Energy (MeV)

49

MAT 3916

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

39-Y -86

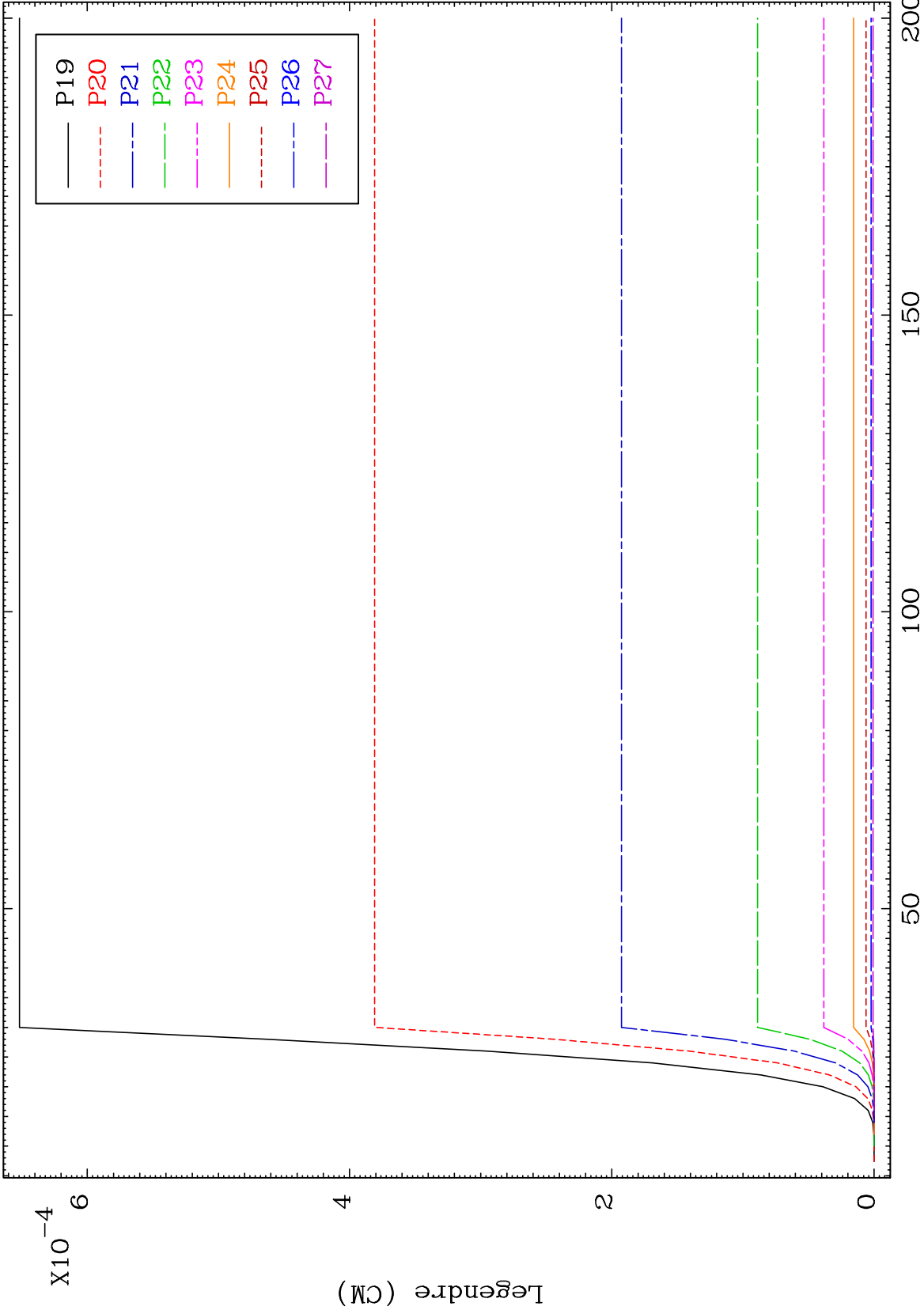


39-Y -86

MAT 3916

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

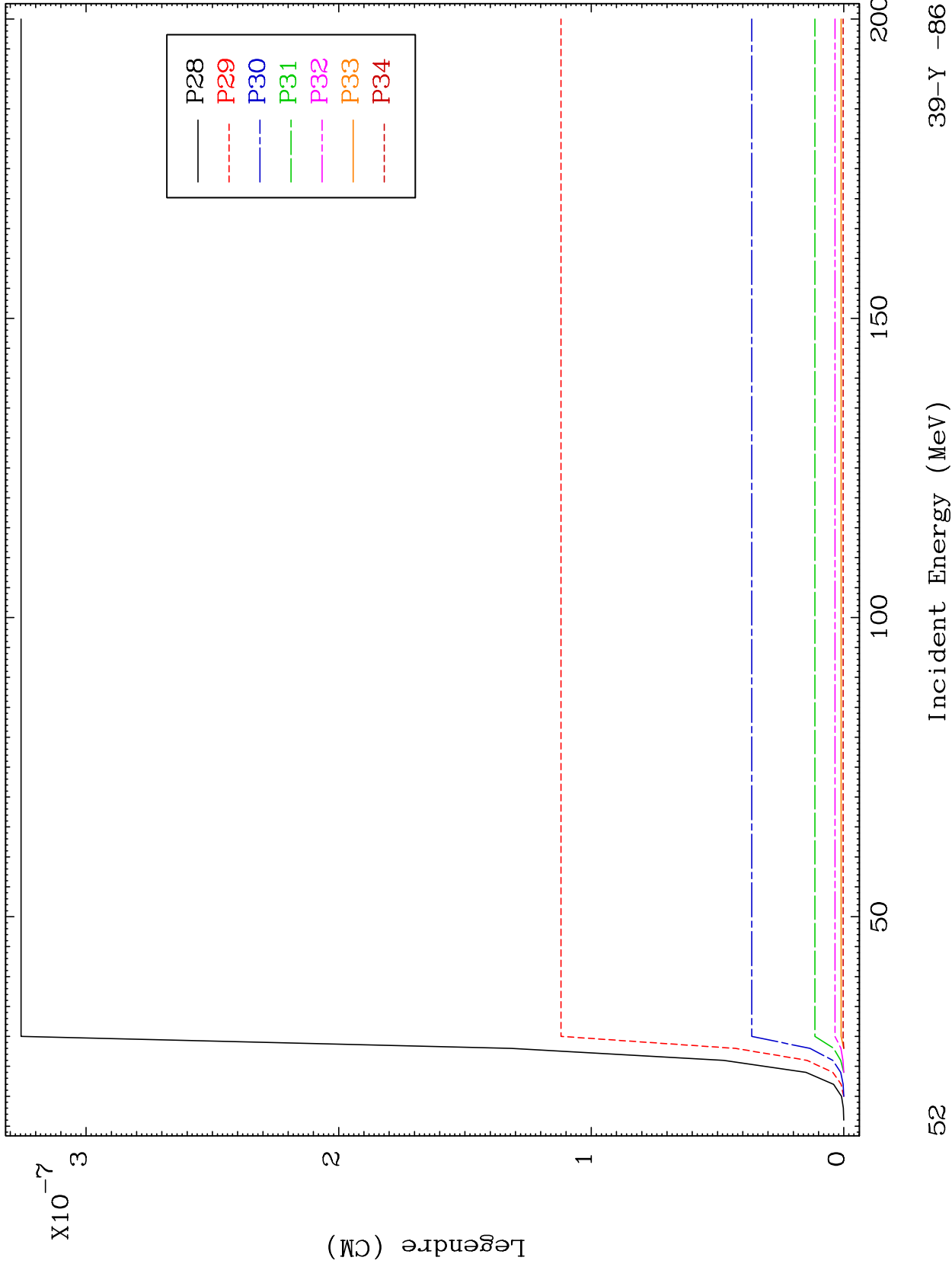
39-Y -86

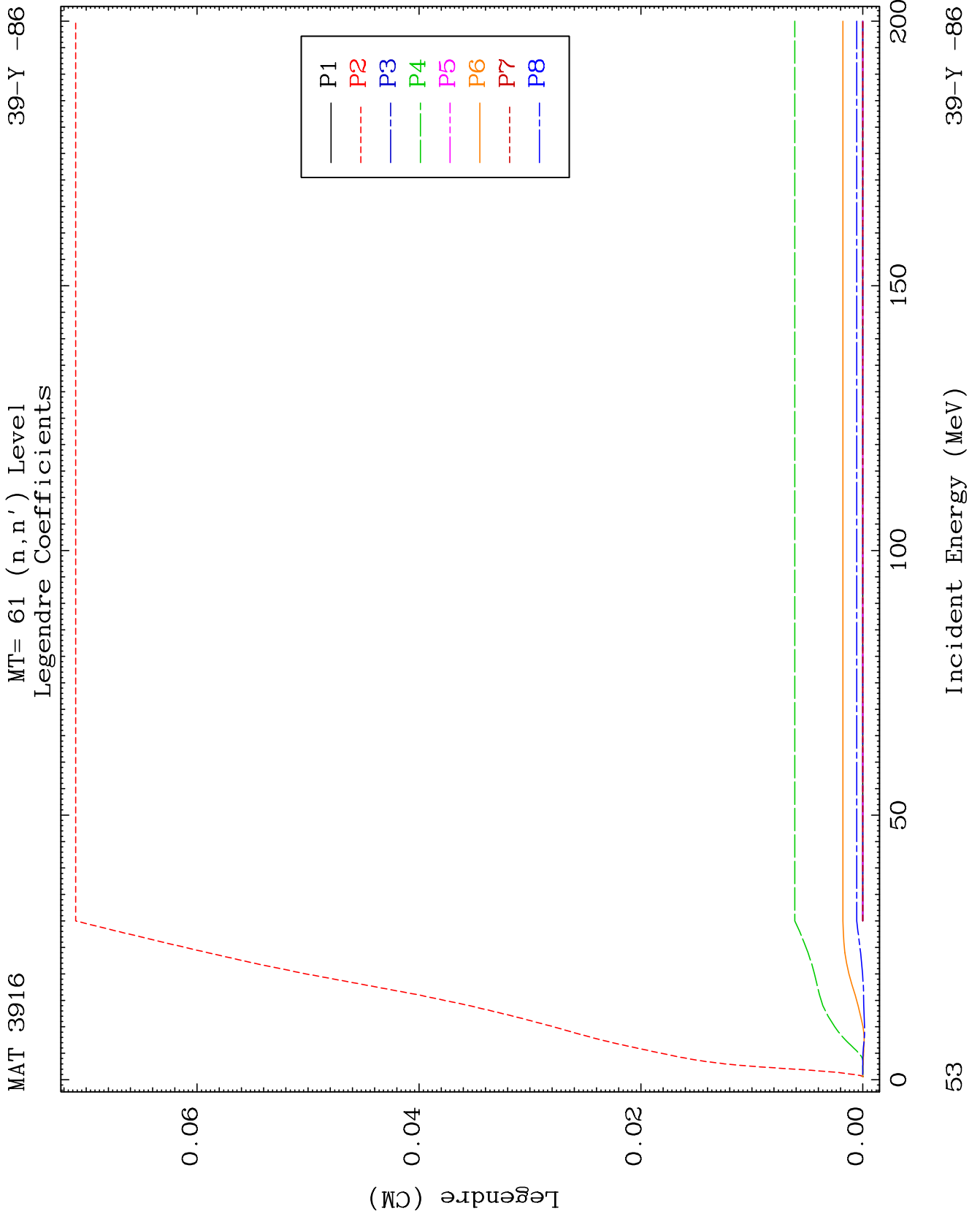


51

Incident Energy (MeV)

39-Y -86

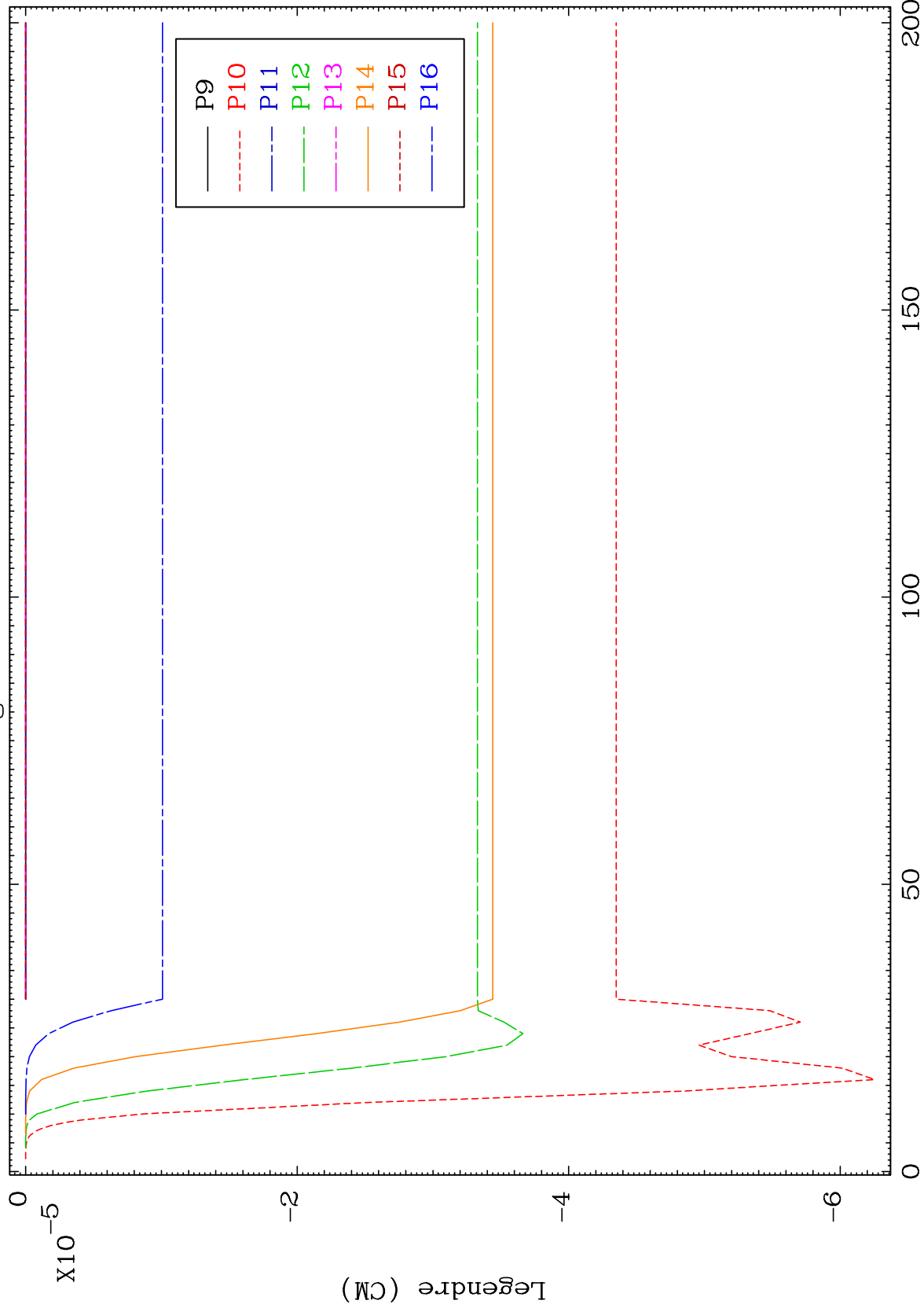




MAT 3916

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

39-Y -86



39-Y -86

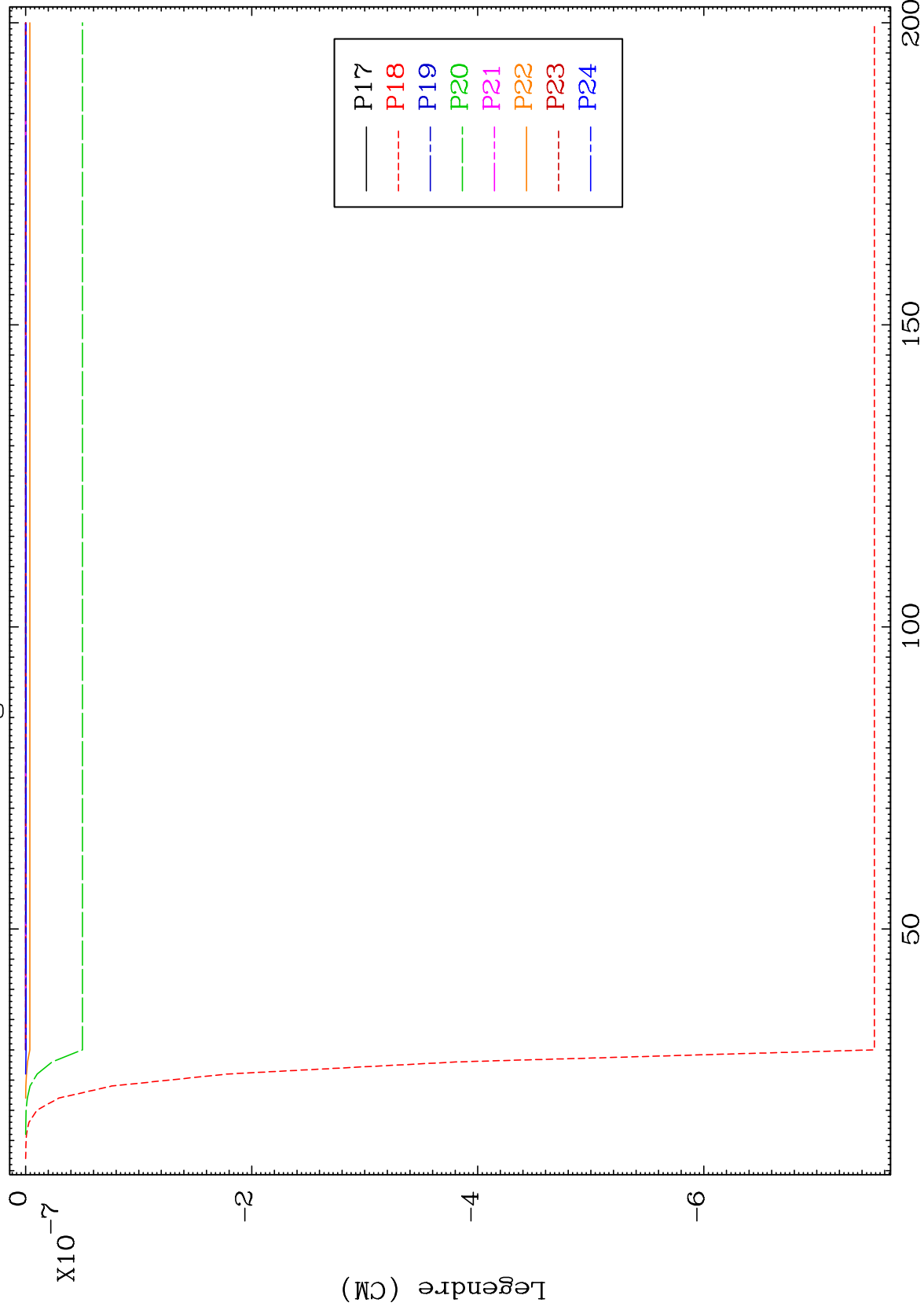
Incident Energy (MeV)

54

MAT 3916

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

39-Y -86



55

Incident Energy (MeV)

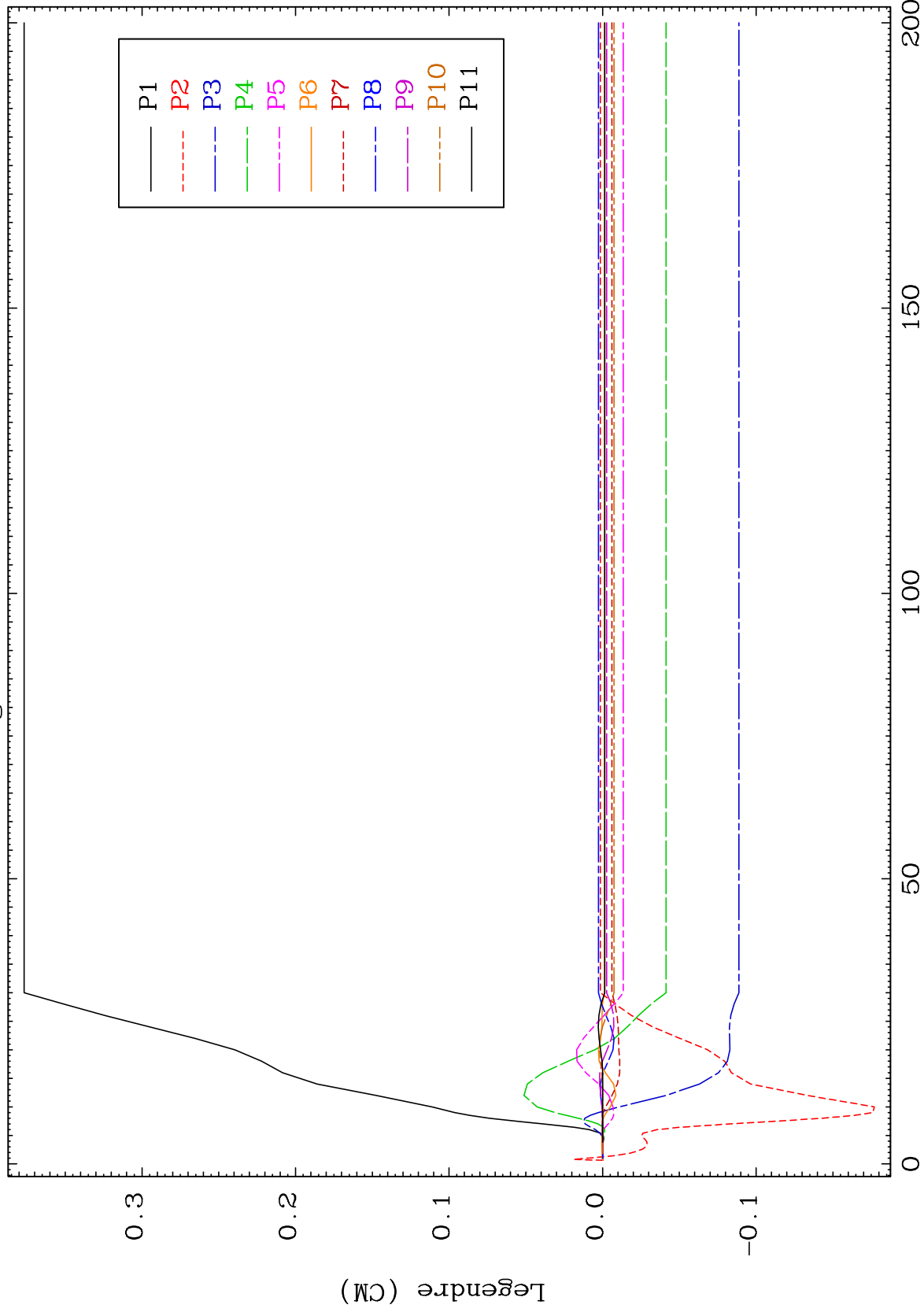
39-Y -86



MAT 3916

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

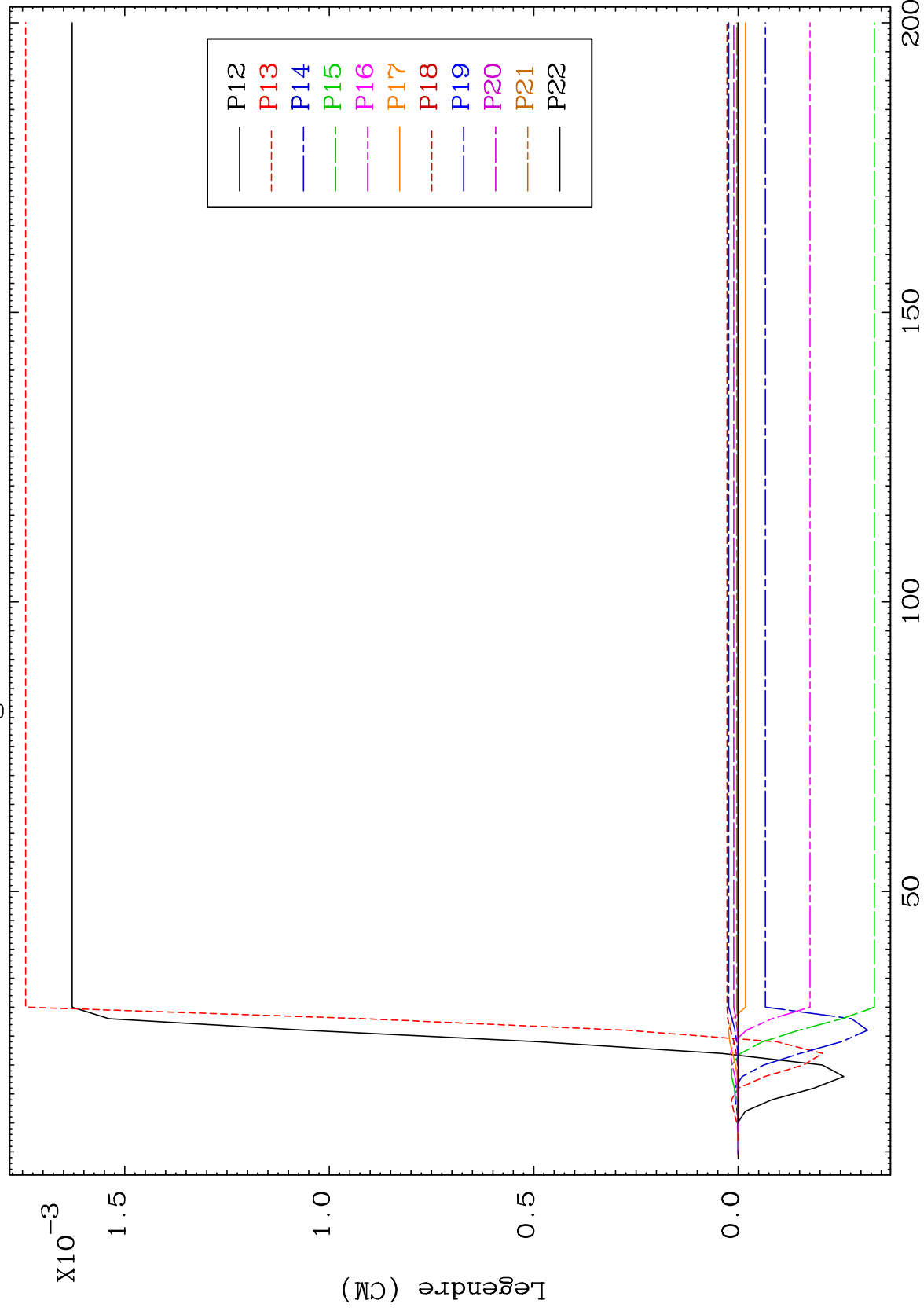
39-Y -86

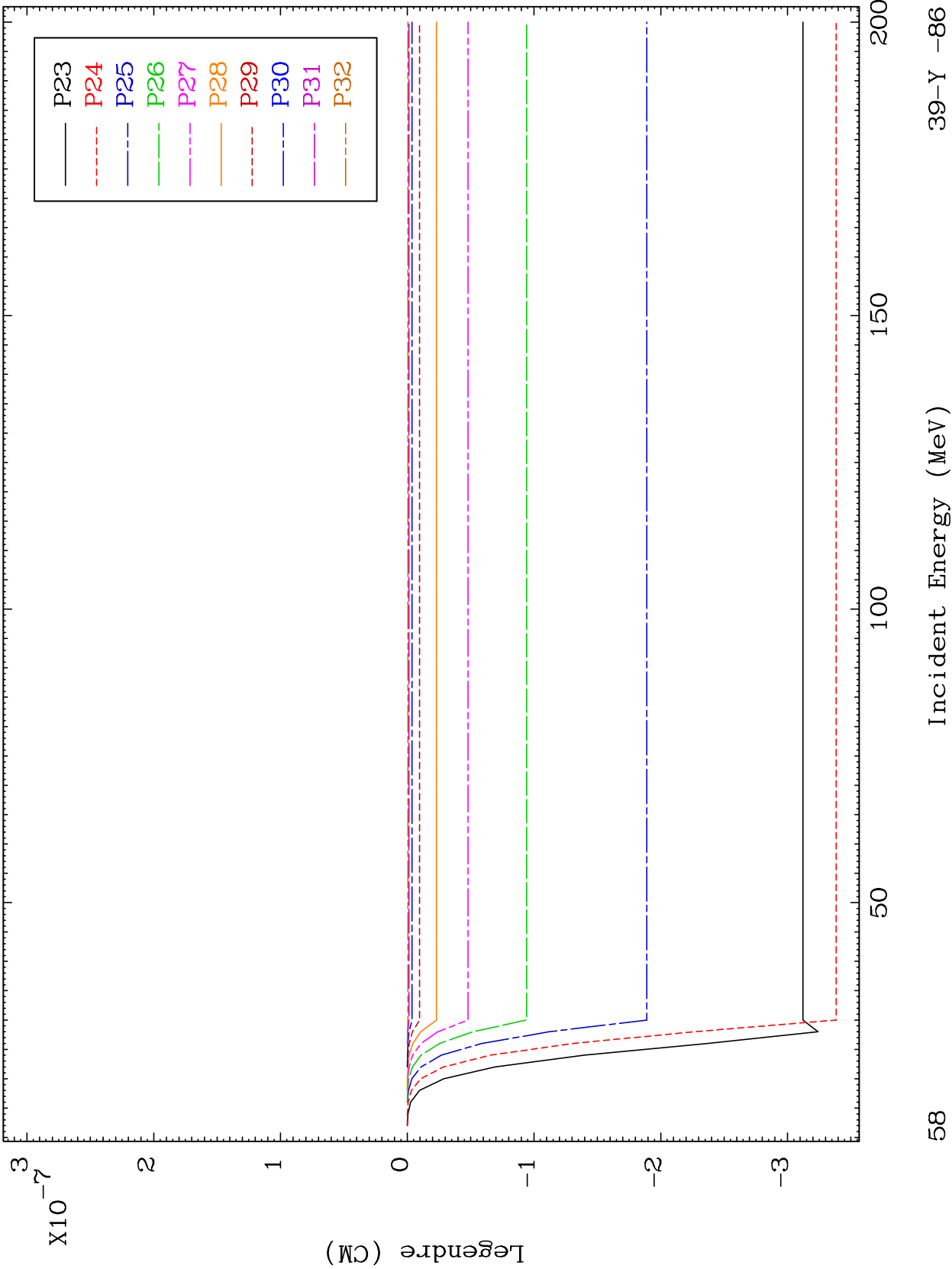


56

Incident Energy (MeV)

39-Y -86

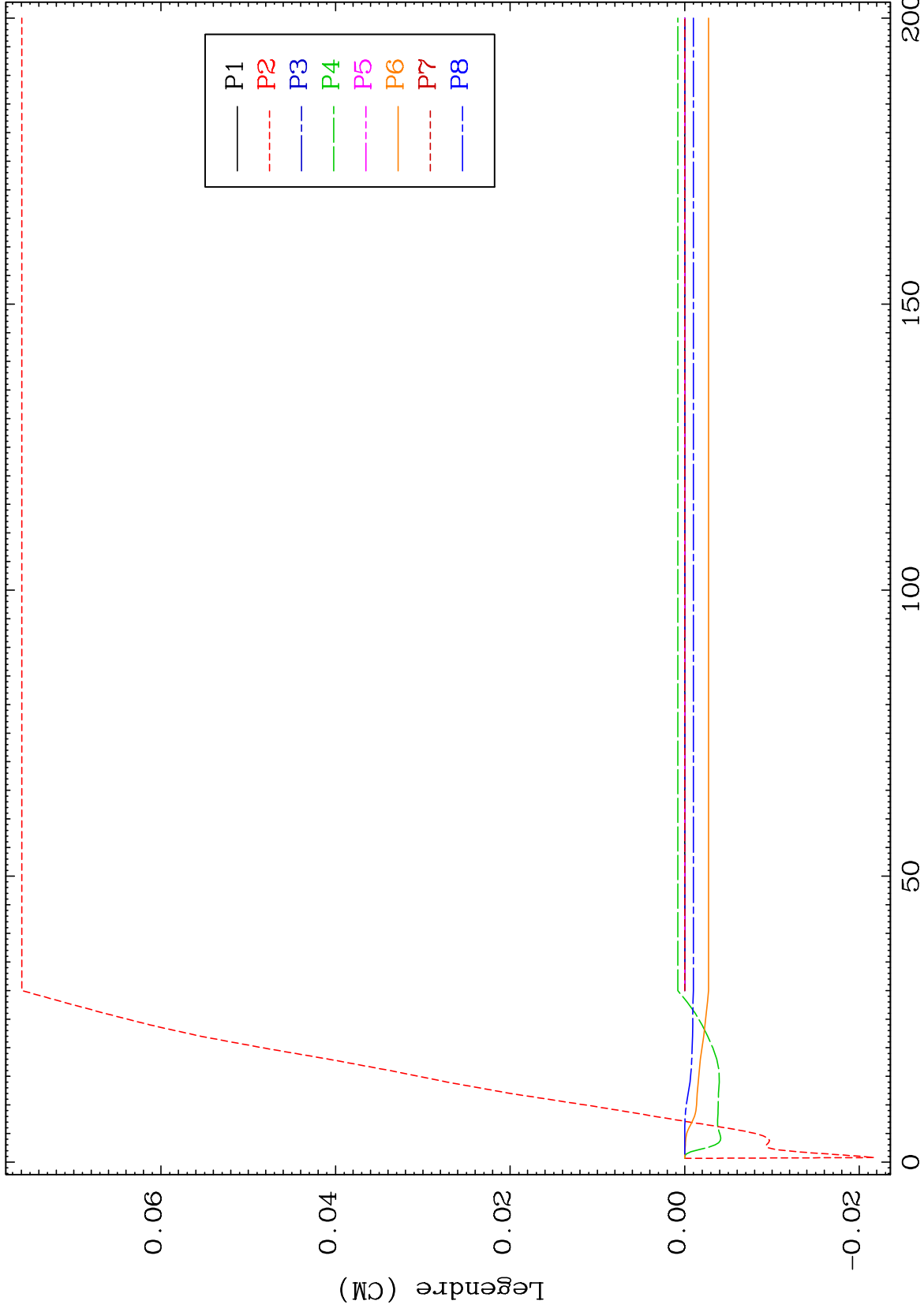




MAT 3916

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

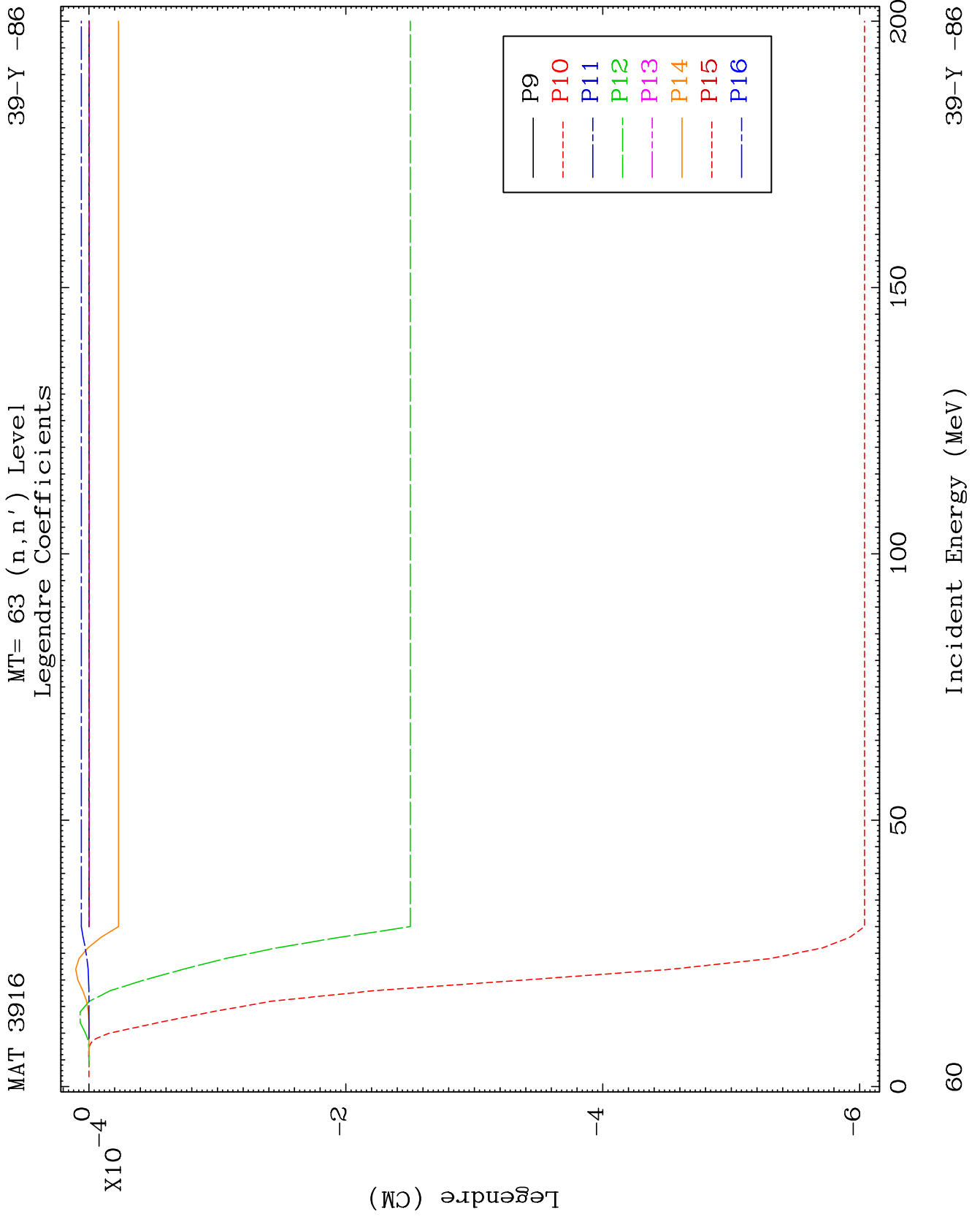
39-Y -86



39-Y -86

Incident Energy (MeV)

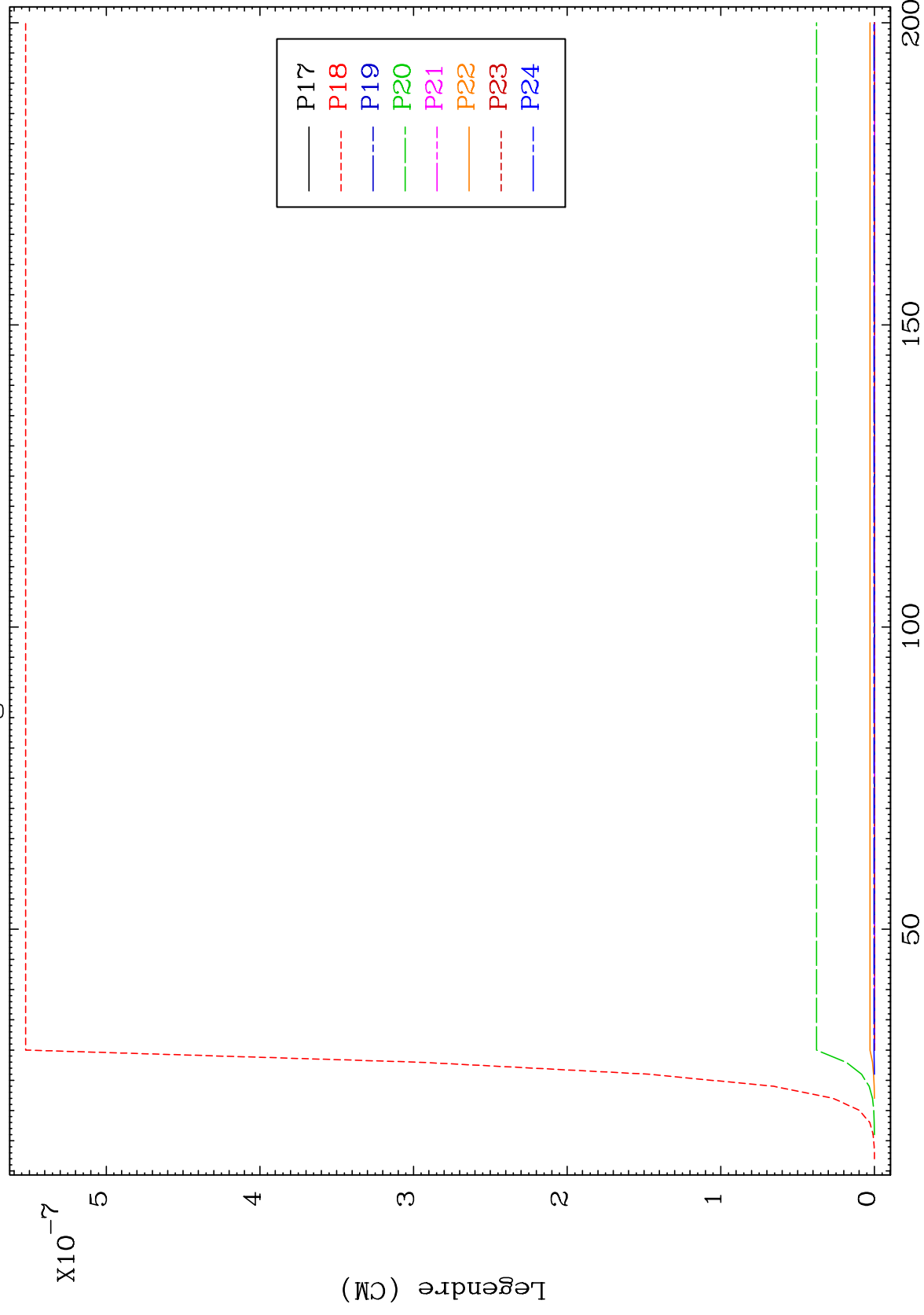
59



MAT 3916

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

39-Y -86



39-Y -86

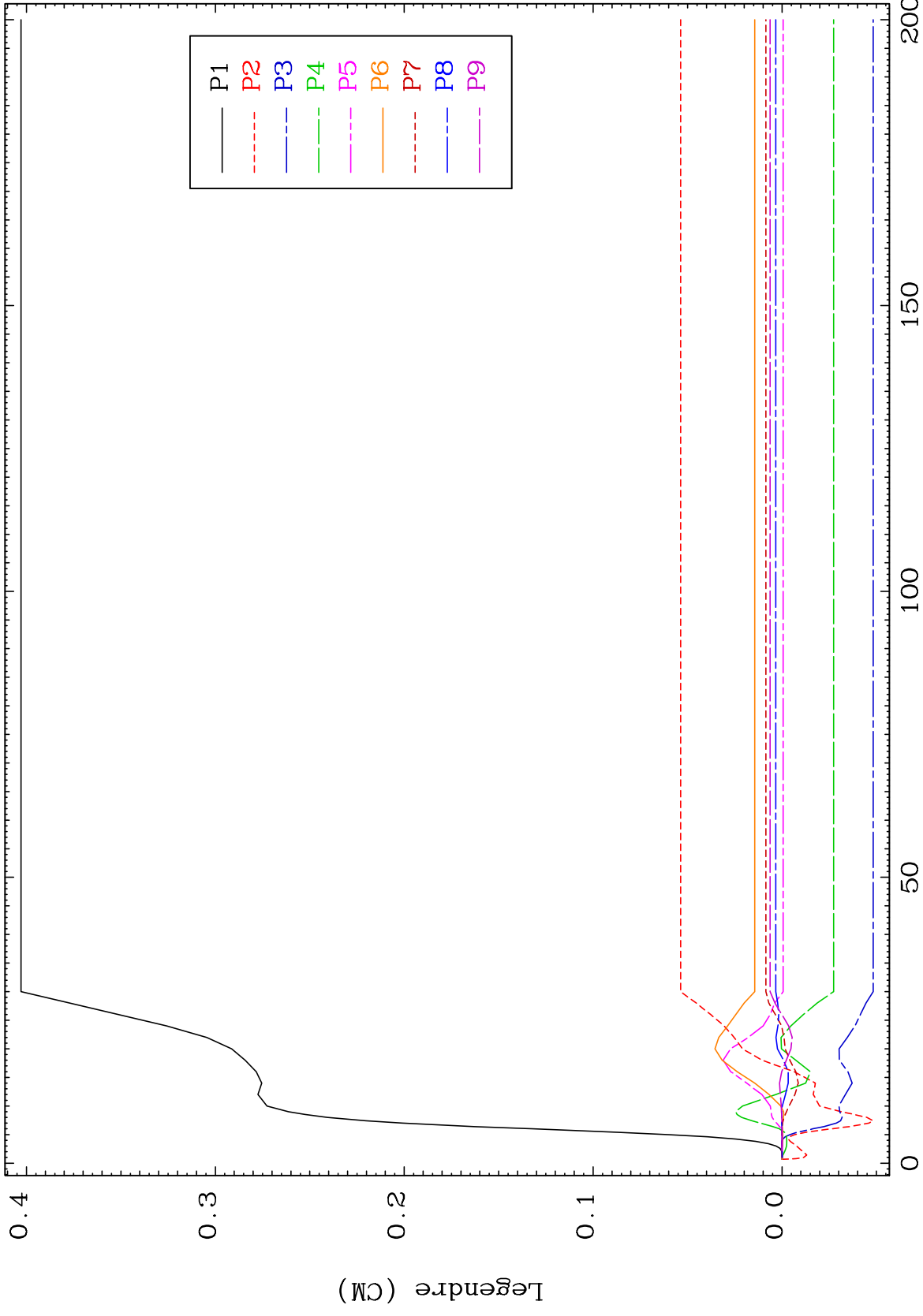
Incident Energy (MeV)

61

MAT 3916

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

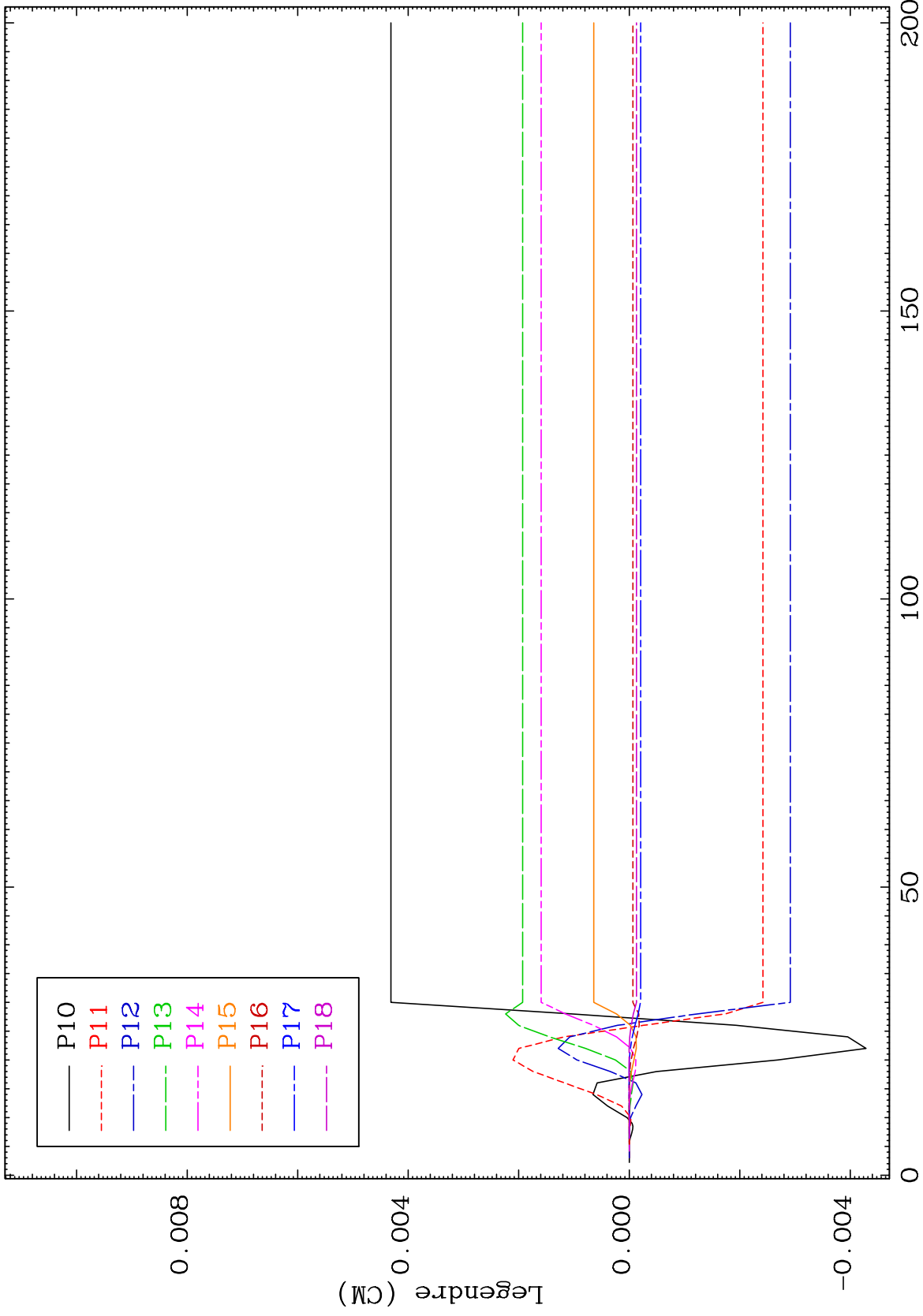
39-Y -86



62

Incident Energy (MeV)

39-Y -86

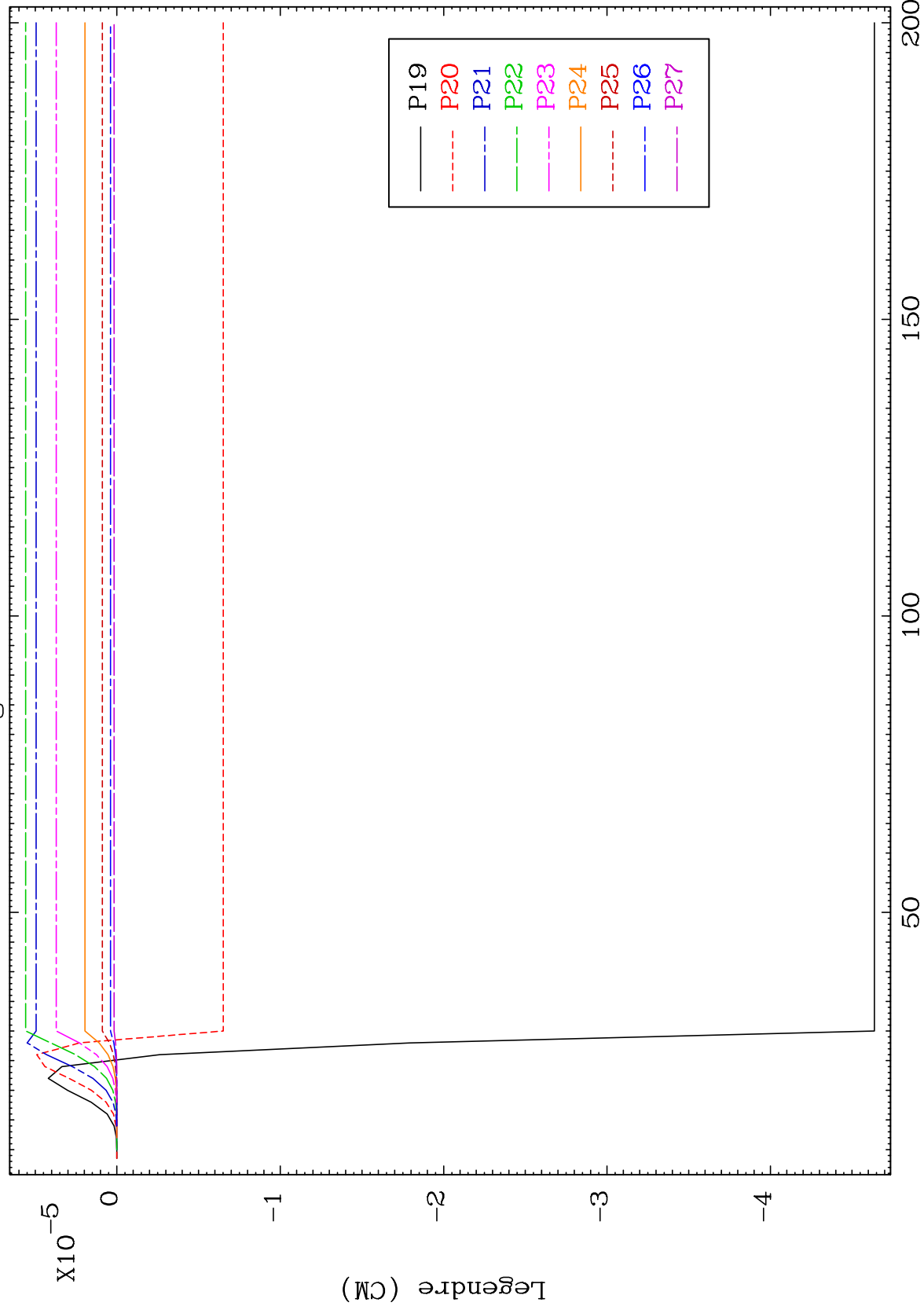




MAT 3916

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

39-Y -86



64

Incident Energy (MeV)

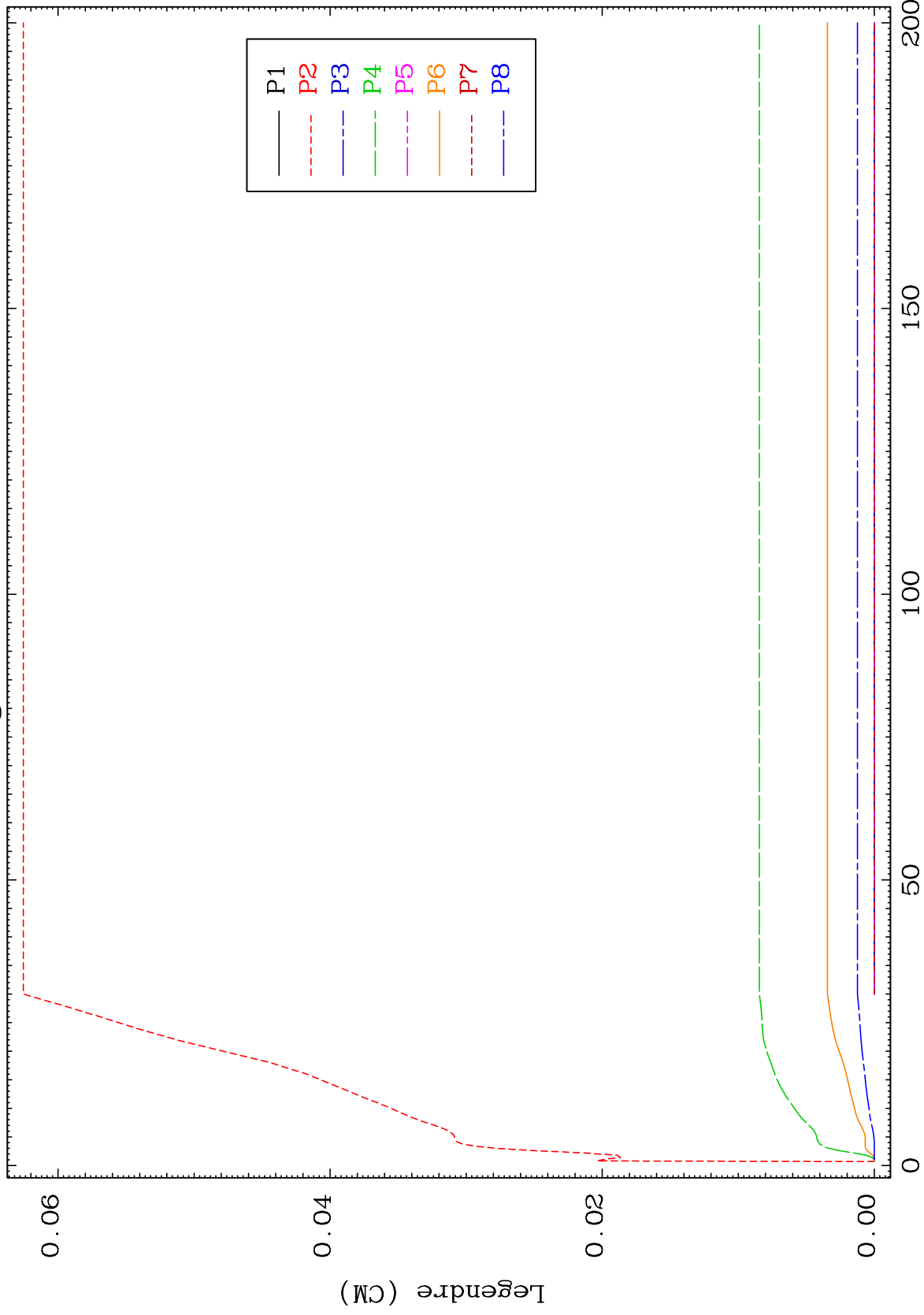
39-Y -86



MAT 3916

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

39-Y -86



66

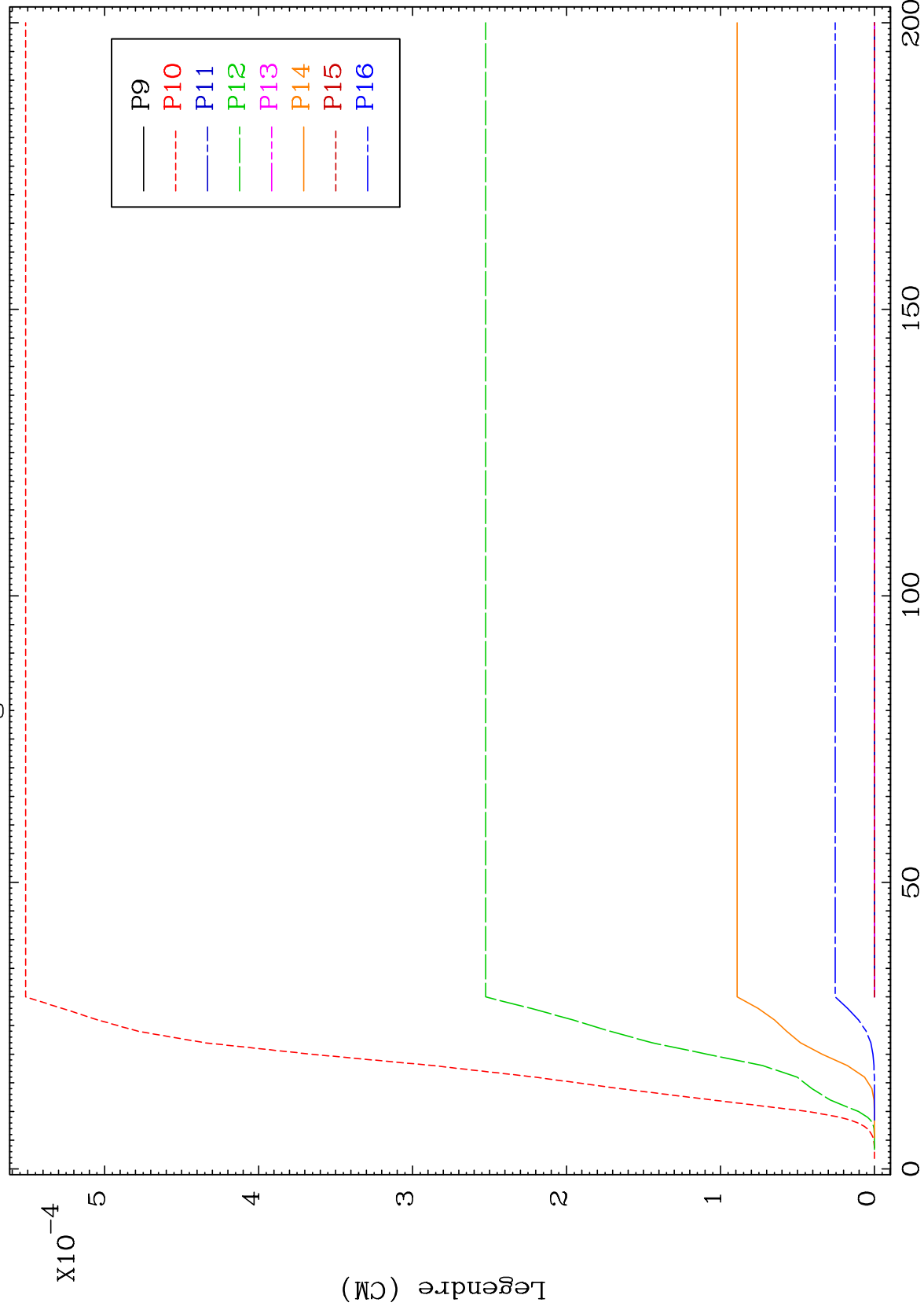
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



67

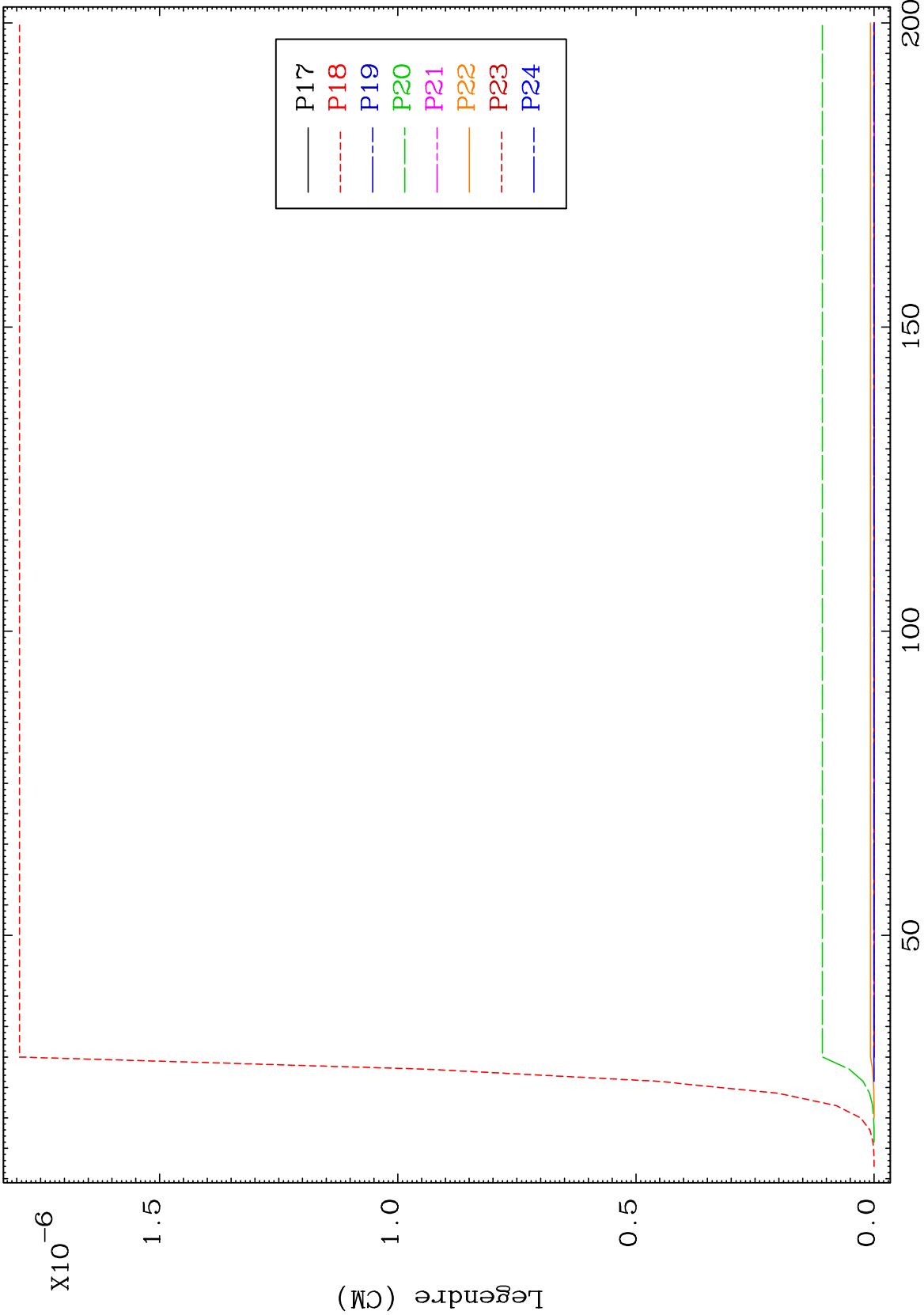
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



68

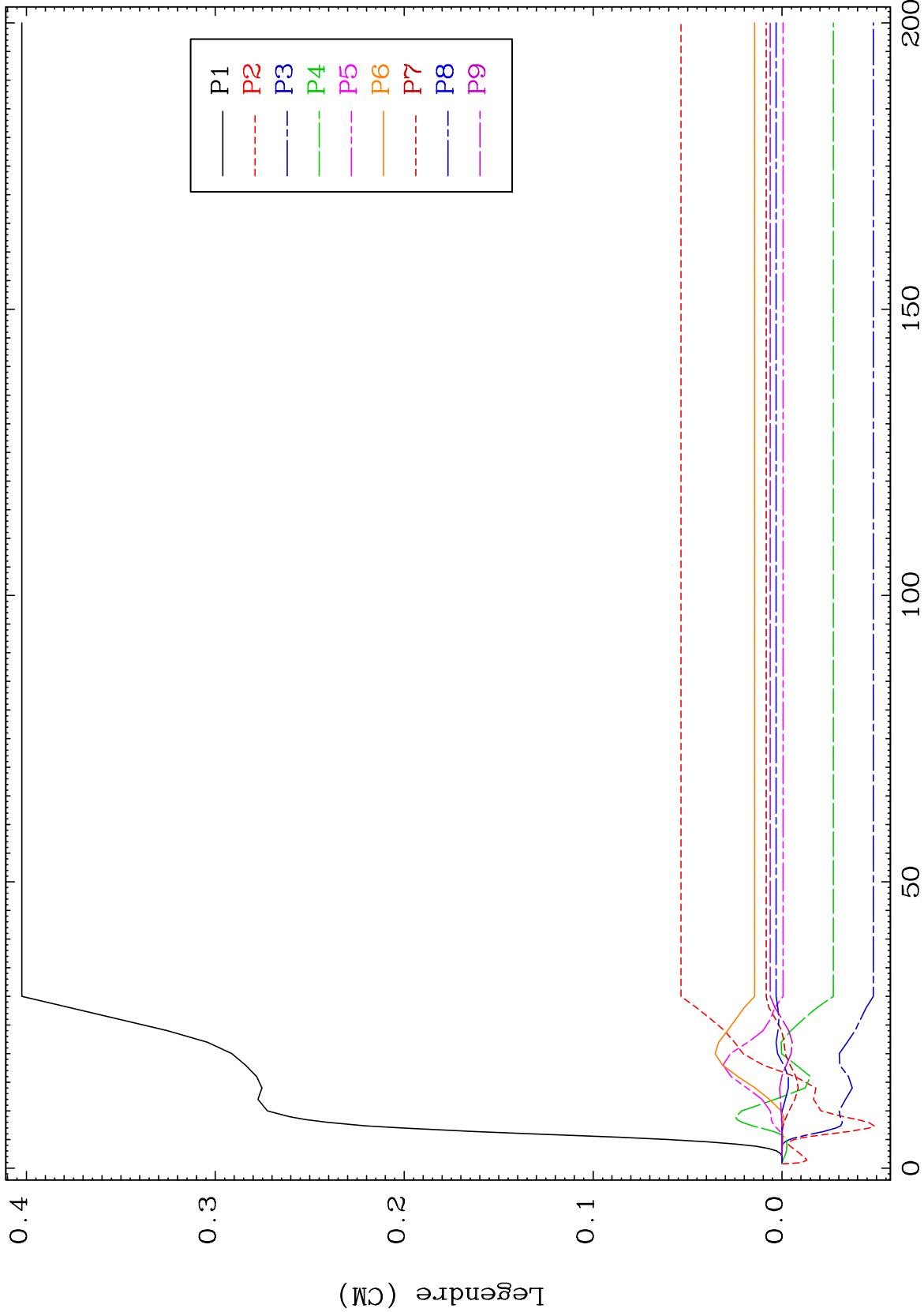
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



69

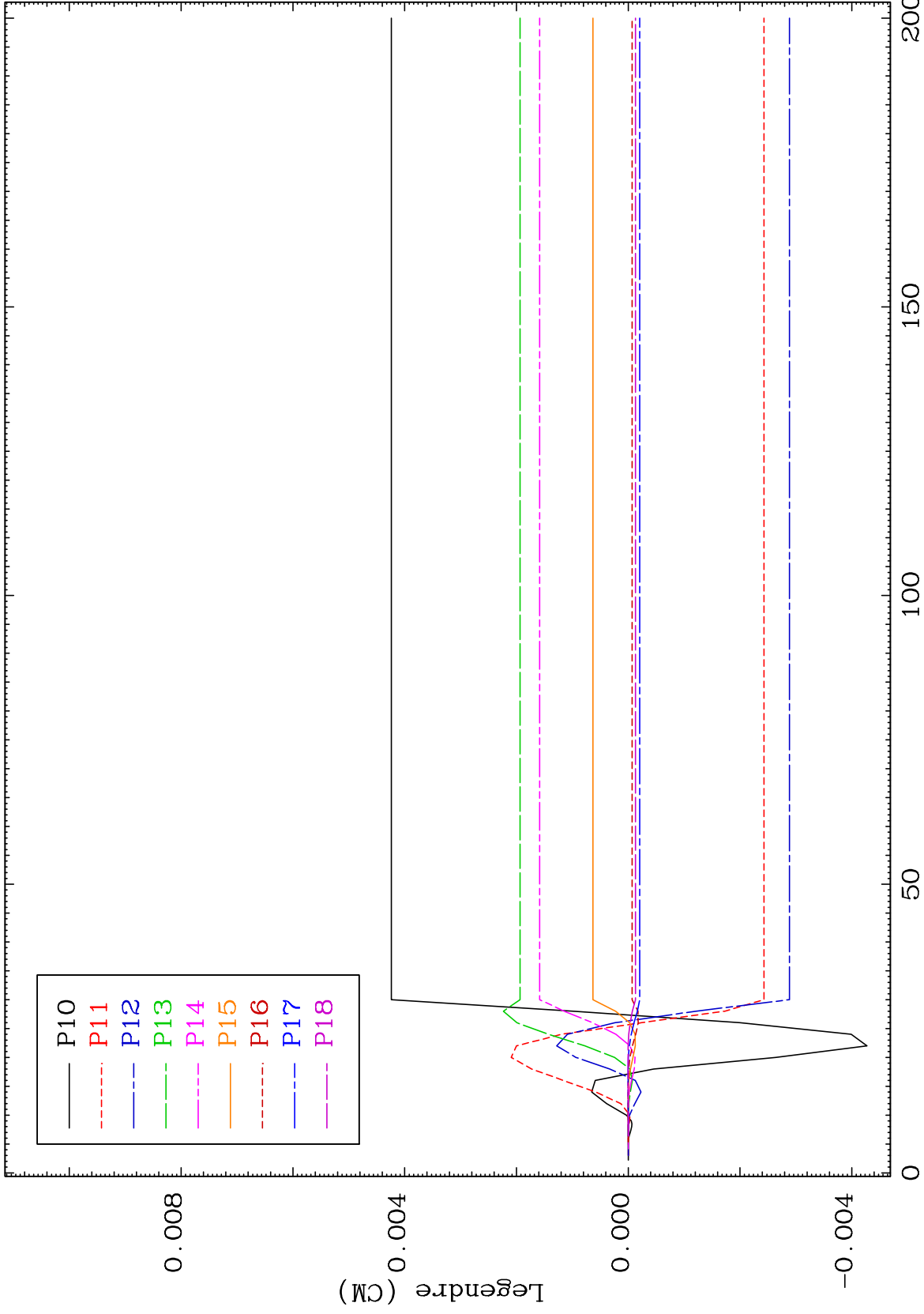
Incident Energy (MeV)

39-Y -86

MAT 3916

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

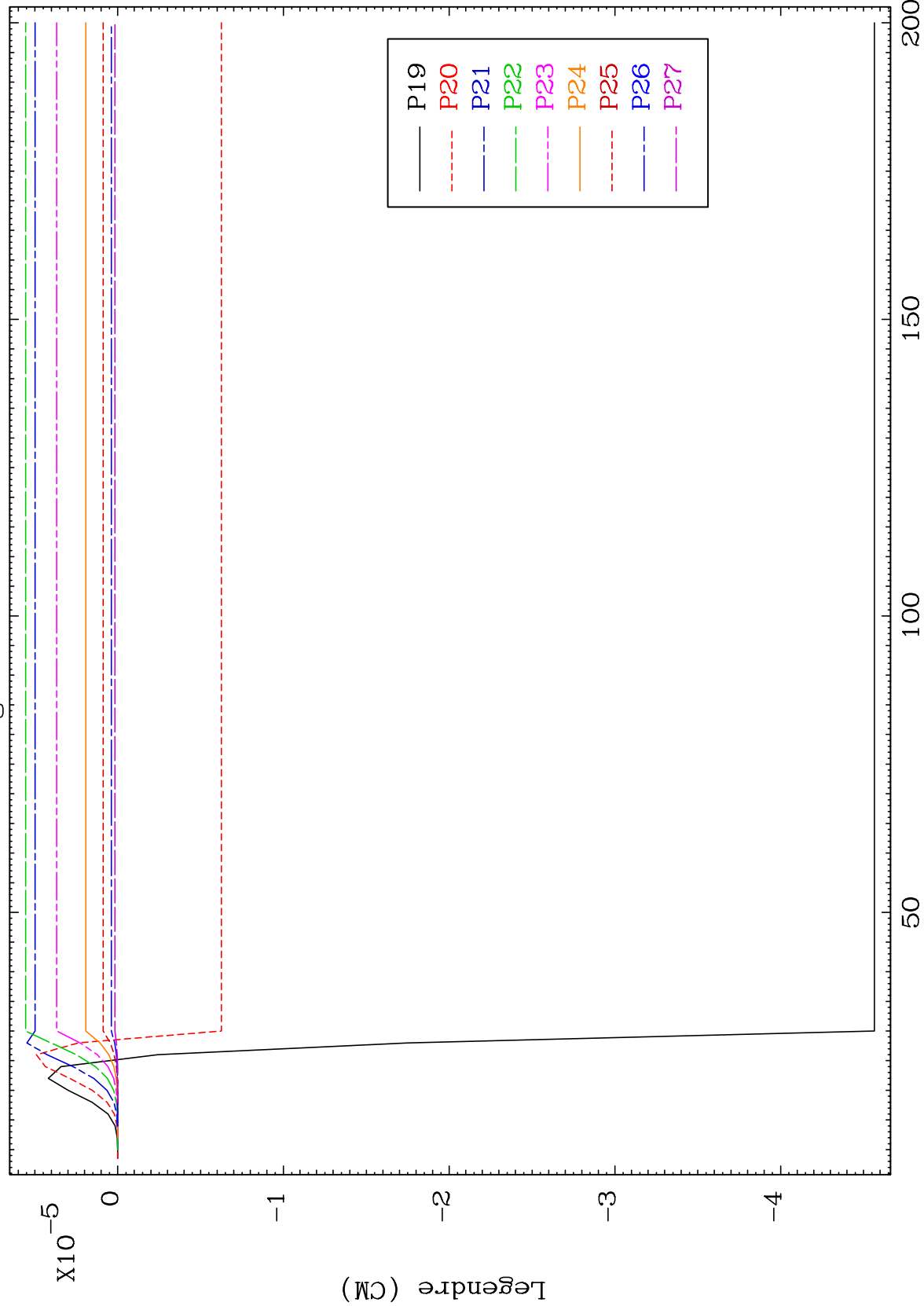
39-Y -86



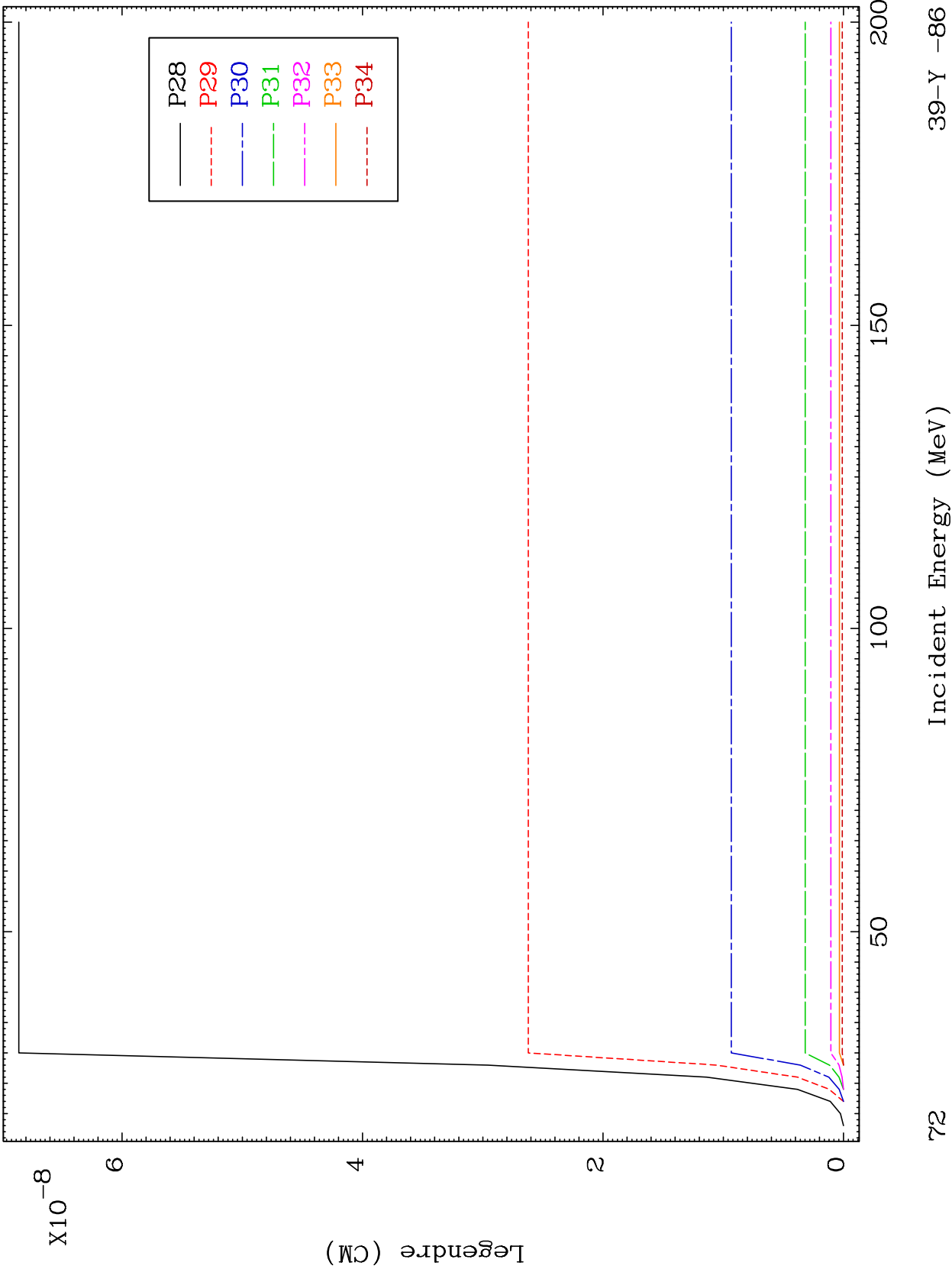
70

Incident Energy (MeV)

39-Y -86



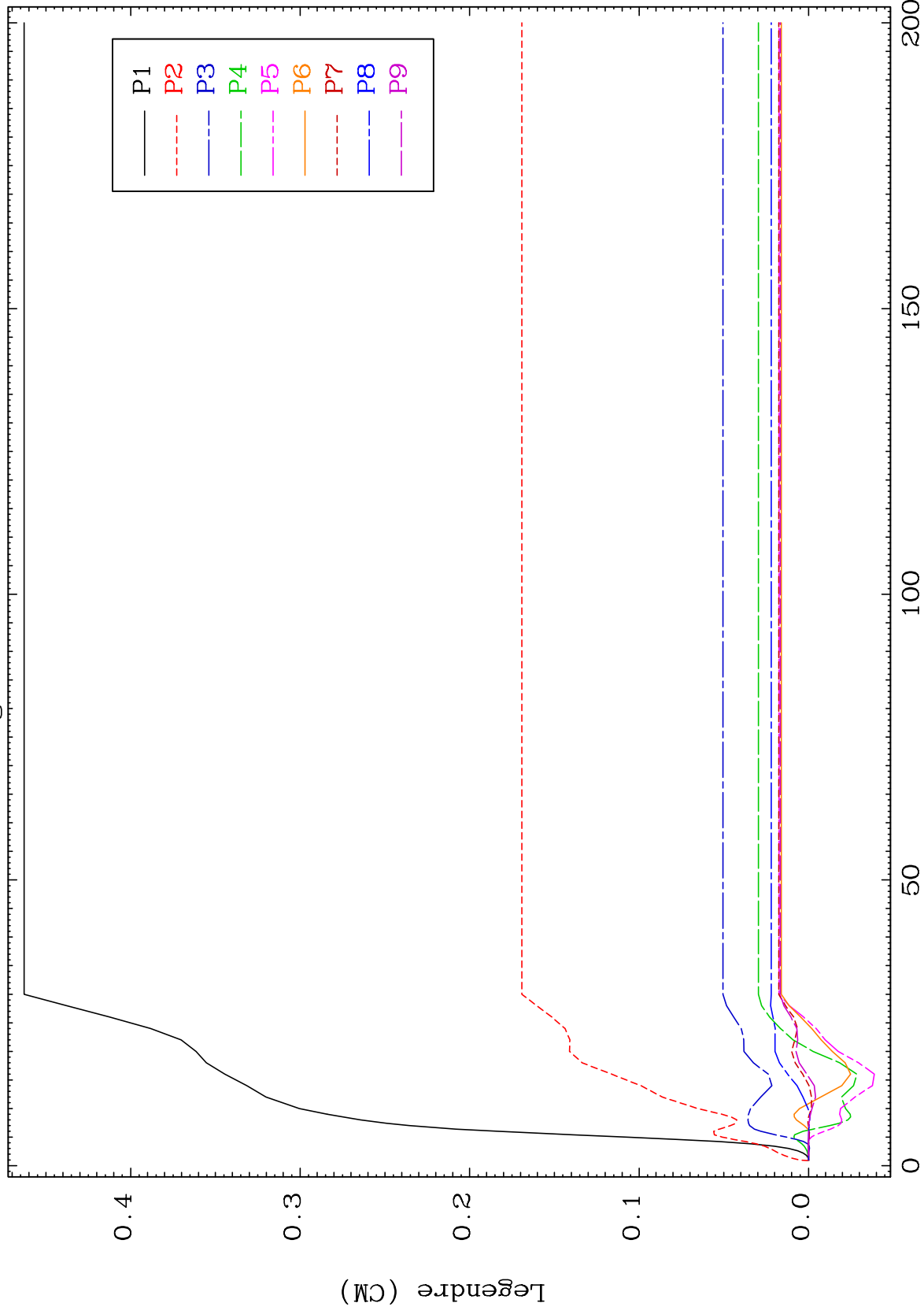




MAT 3916

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

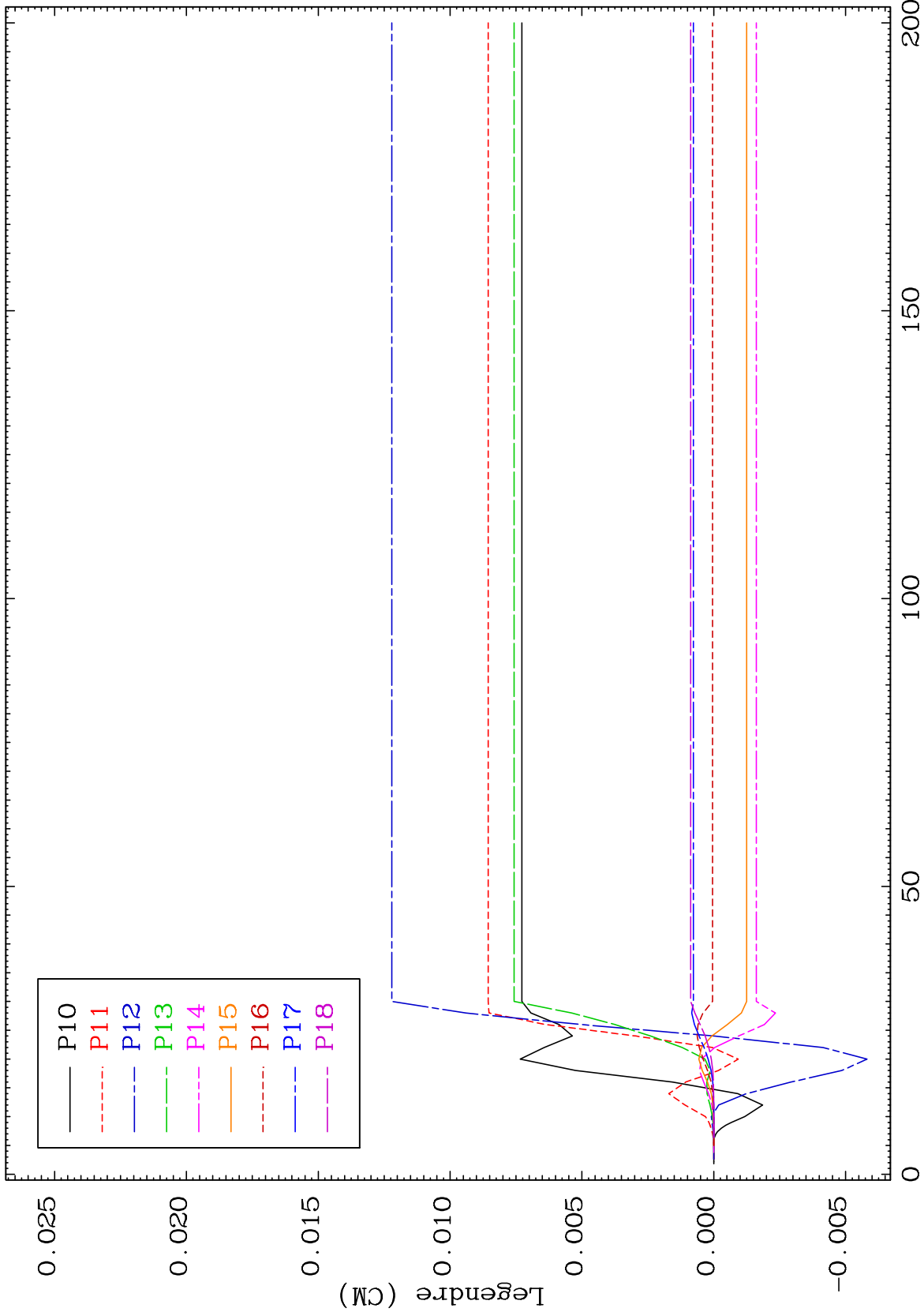
39-Y -86



73

Incident Energy (MeV)

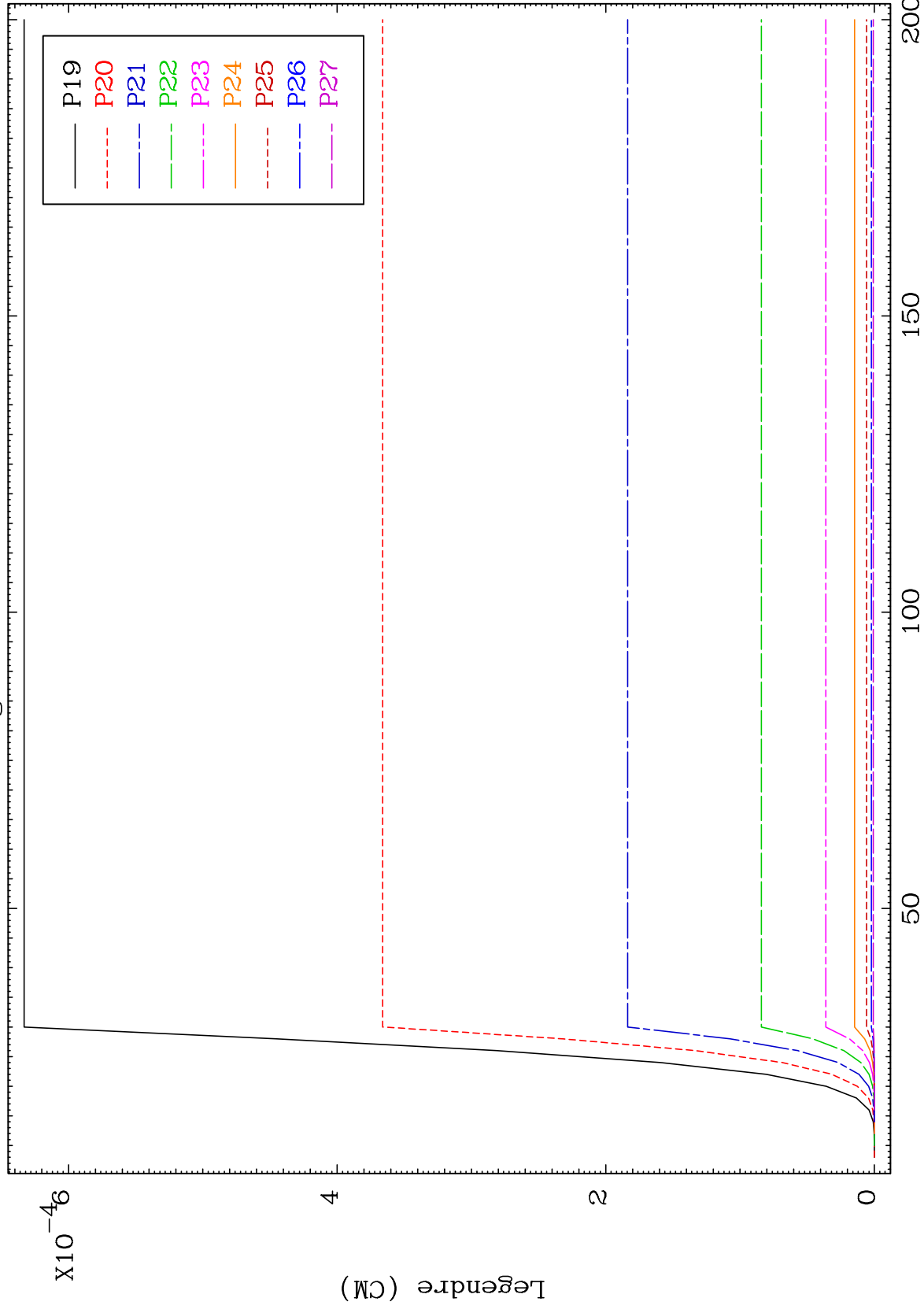
39-Y -86



MAT 3916

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

39-Y -86



75

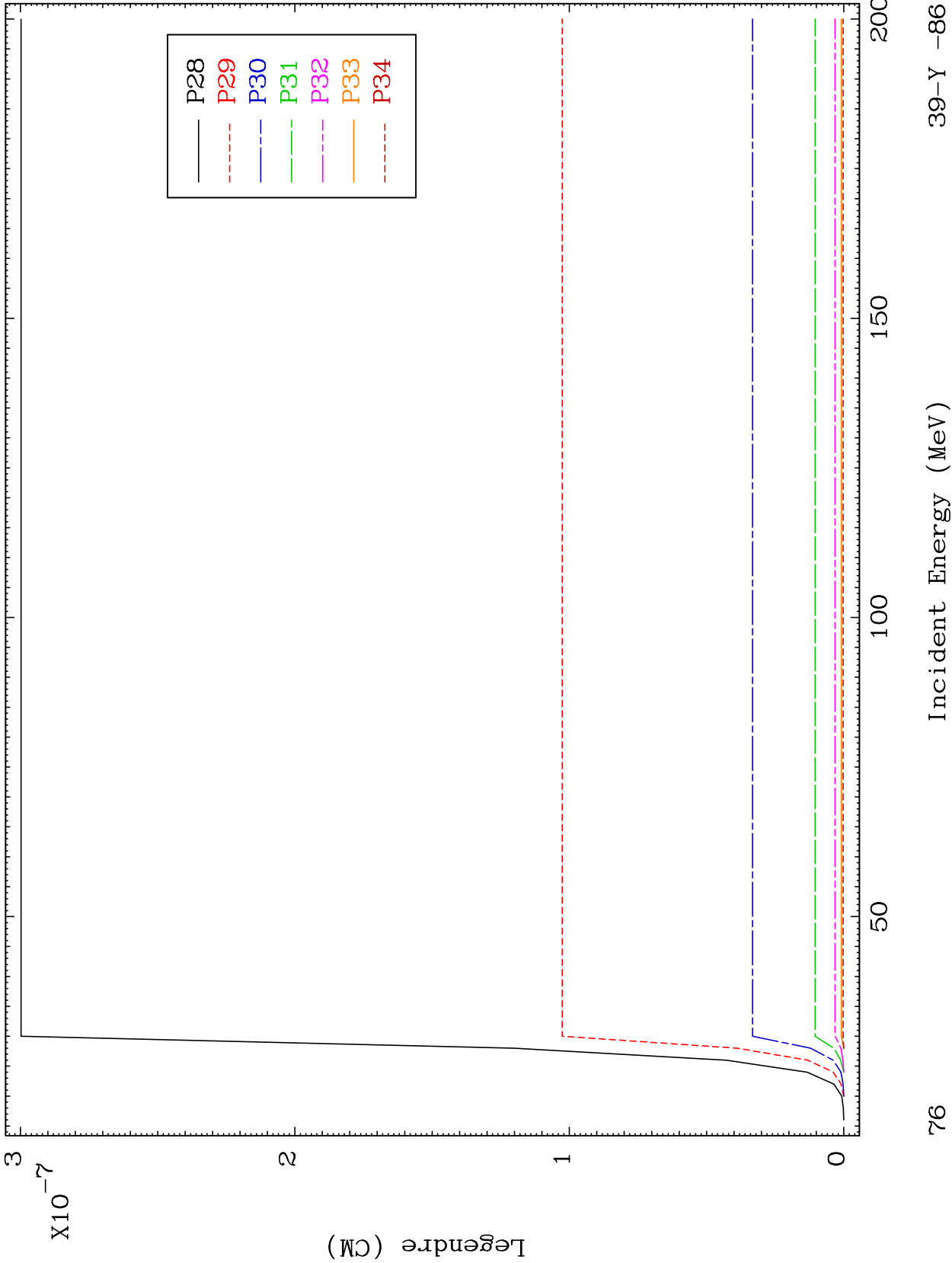
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



76

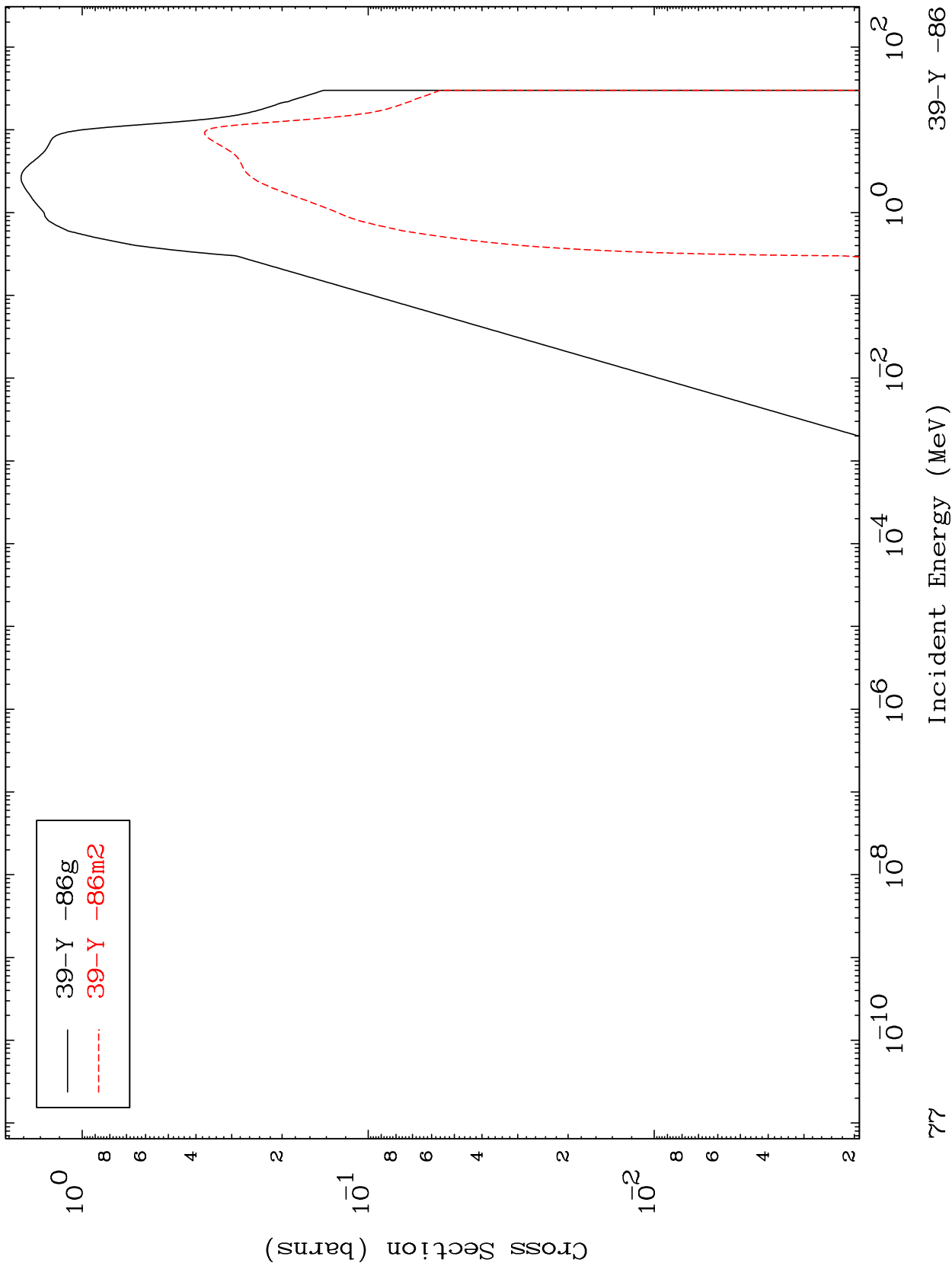
Incident Energy (MeV)

39-Y -86

MAT 3916

Inelastic  
Radionuclide Production Cross Section

39-Y -86



77

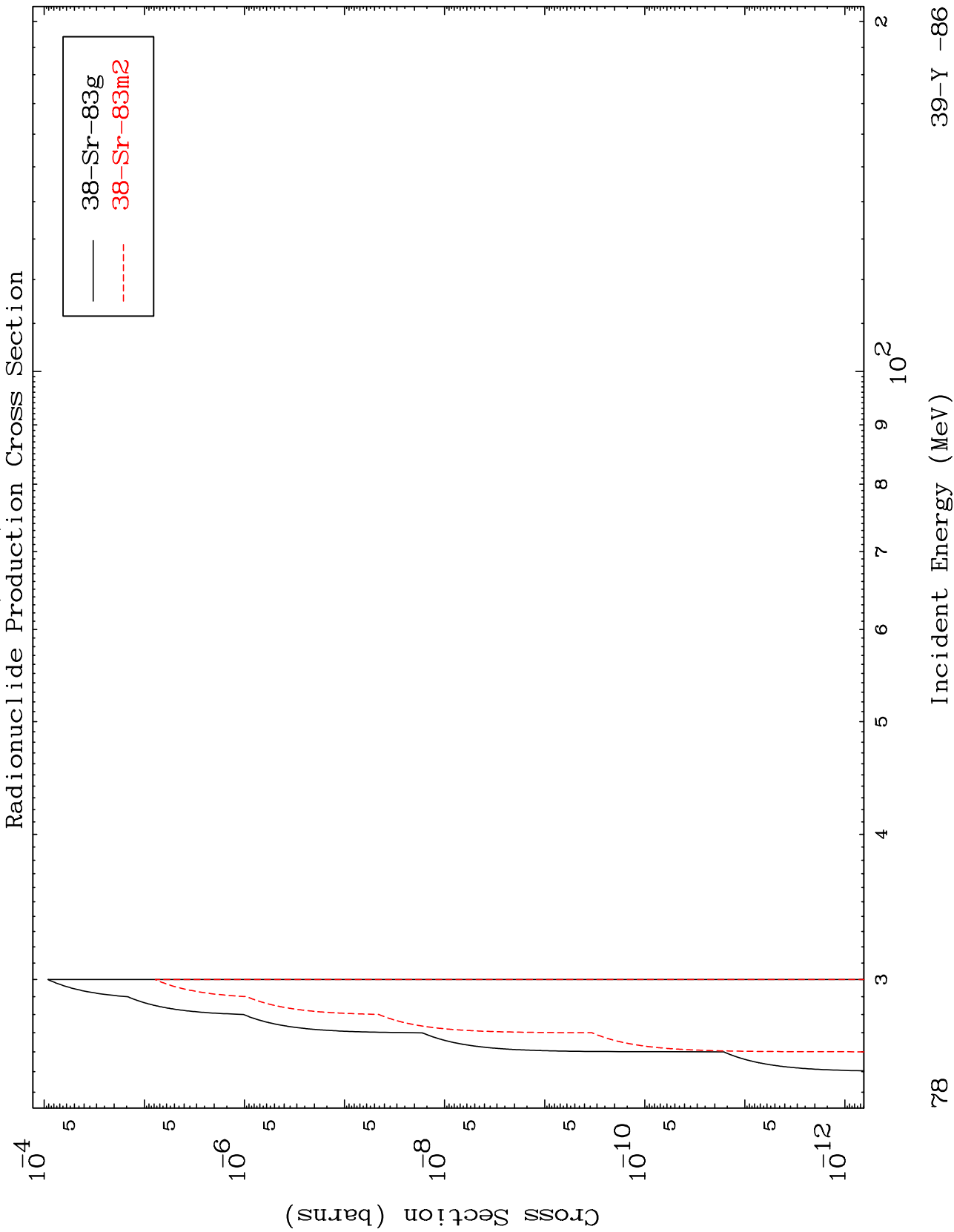
Incident Energy (MeV)

39-Y -86

MAT 3916

(n,2n) d

39-Y -86



78

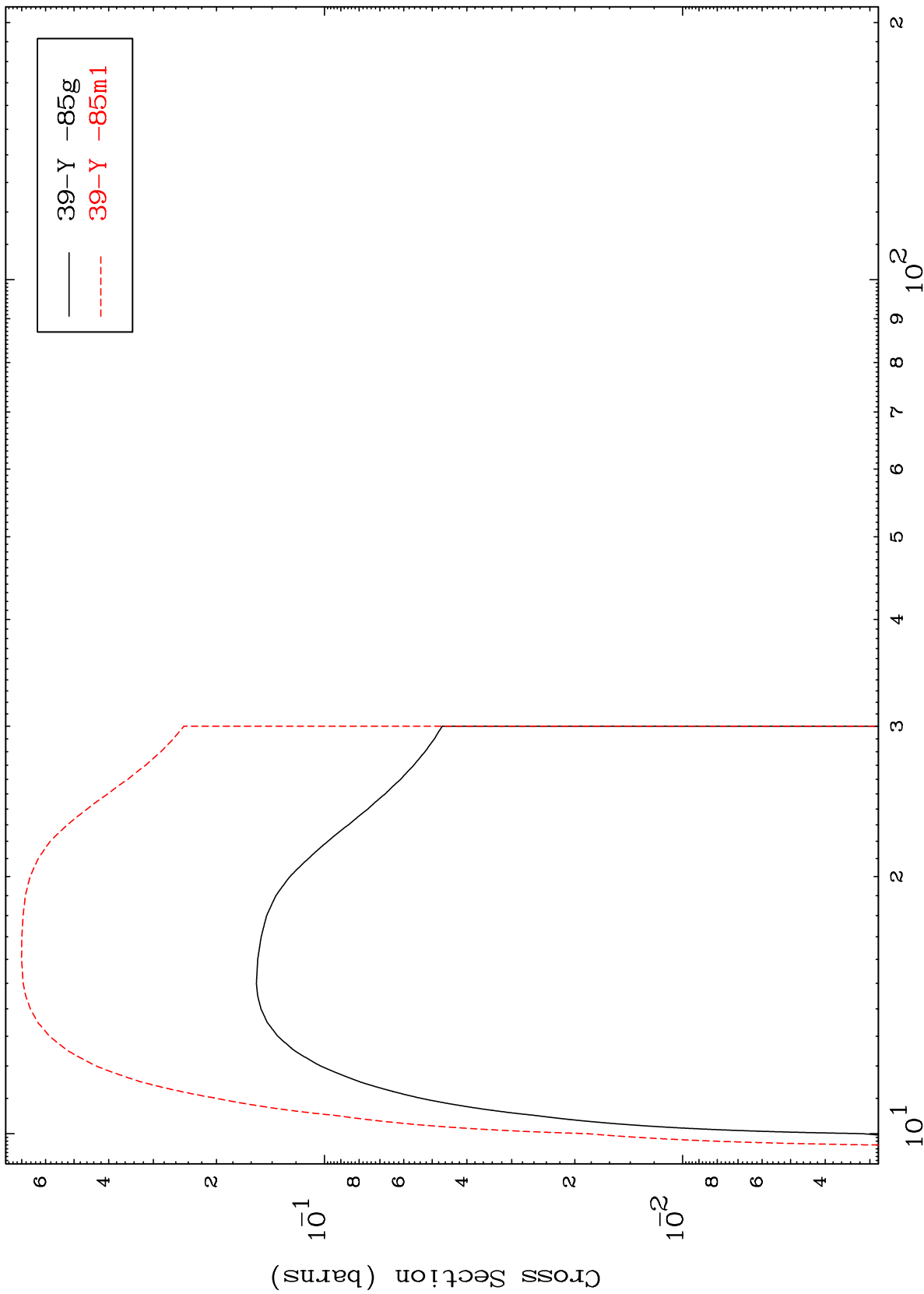
Incident Energy (MeV)

39-Y -86

MAT 3916

39-Y -86

(n,2n)  
Radionuclide Production Cross Section



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

39-Y -86

Incident Energy (MeV)

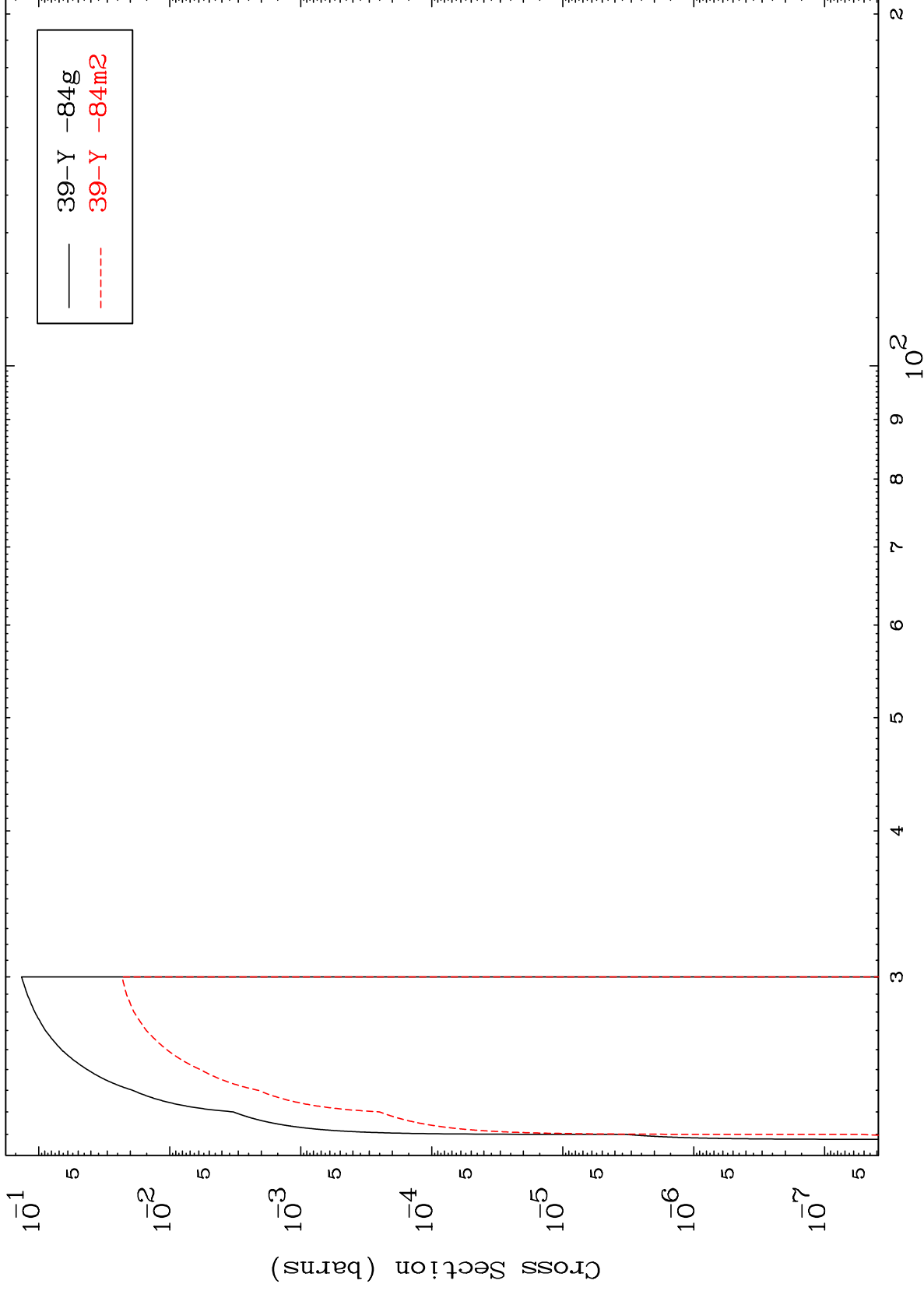
79



MAT 3916

39-Y -86

(n,3n)  
Radionuclide Production Cross Section

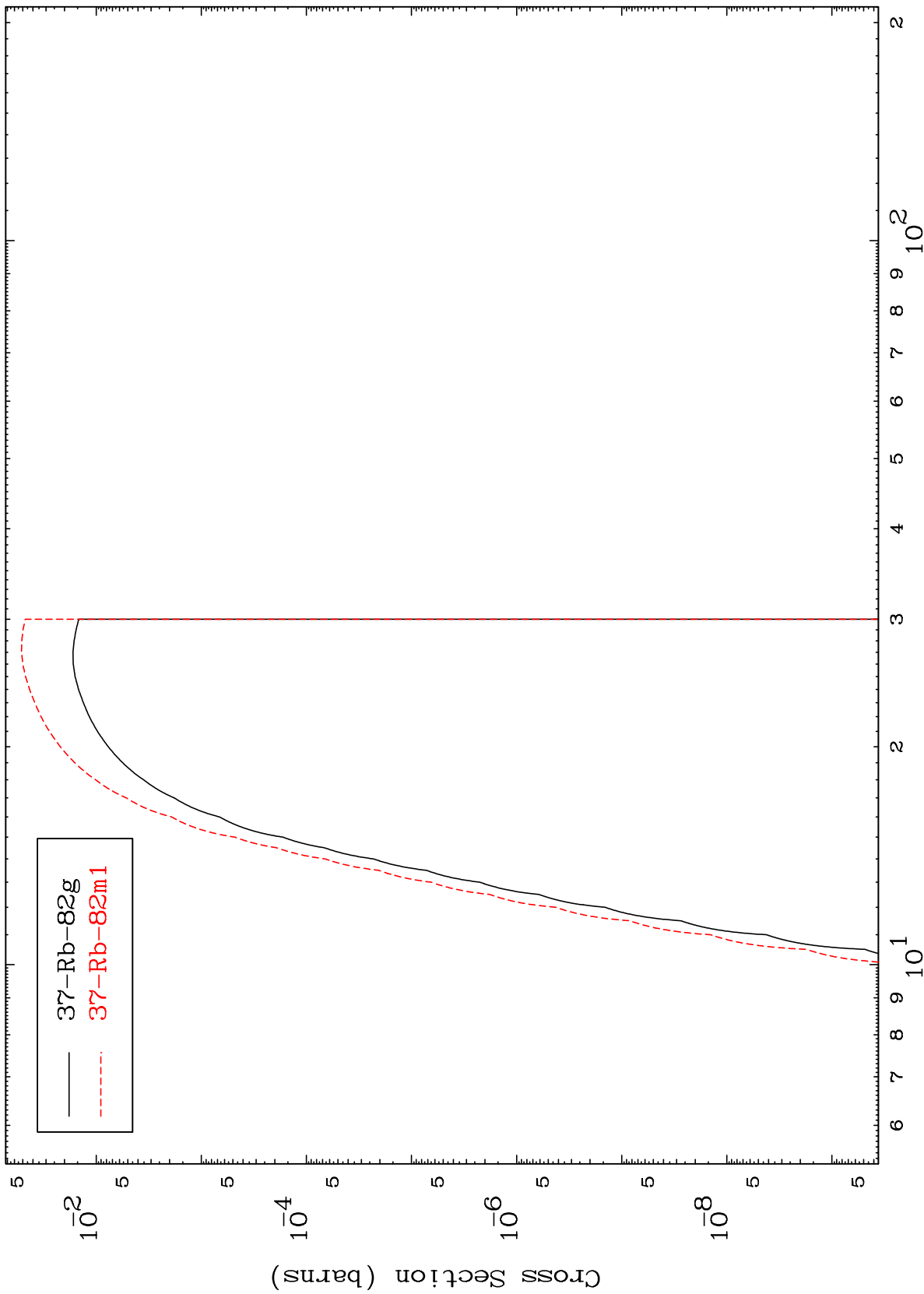


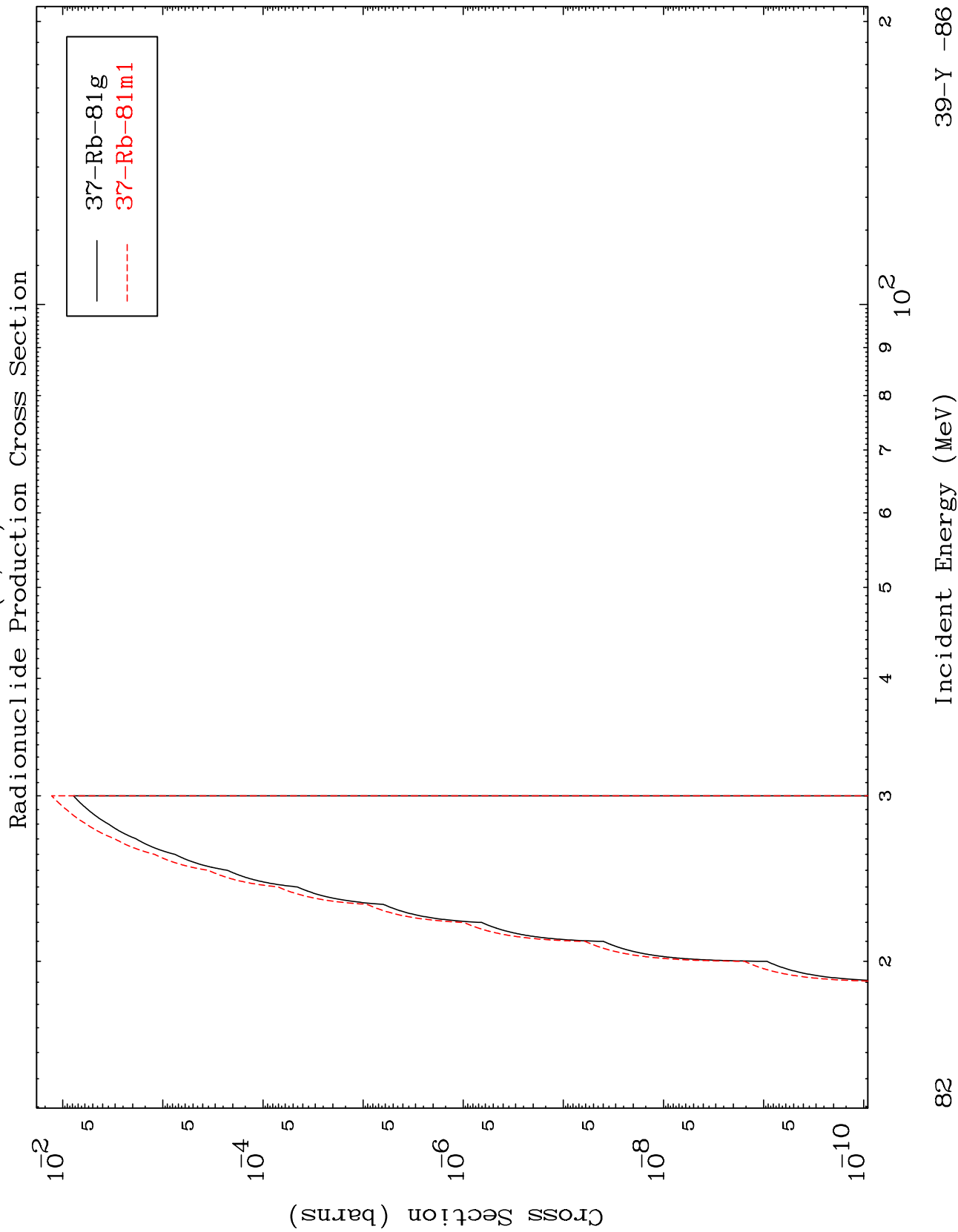
80

Incident Energy (MeV)

39-Y -86

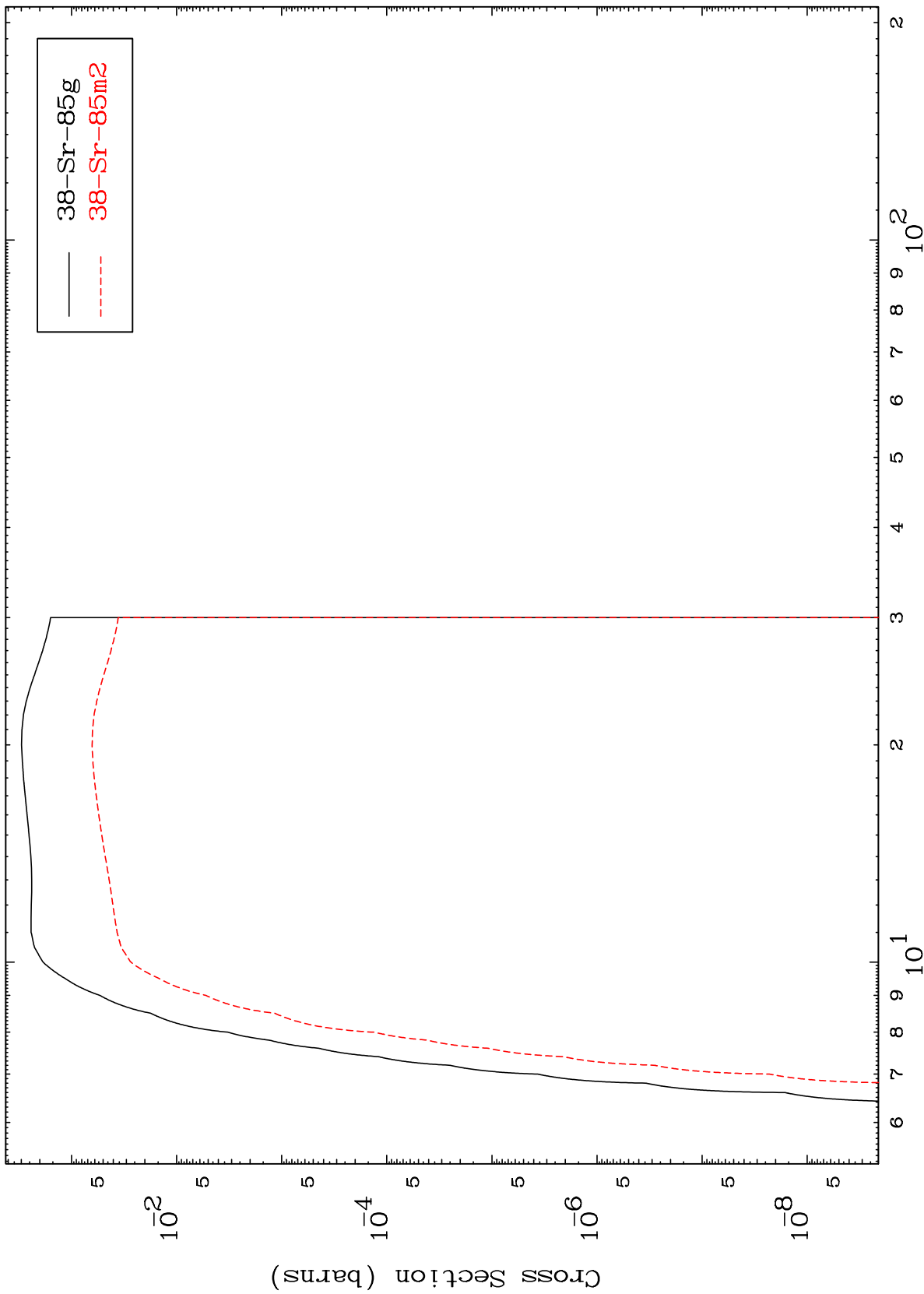
Radionuclide Production Cross Section



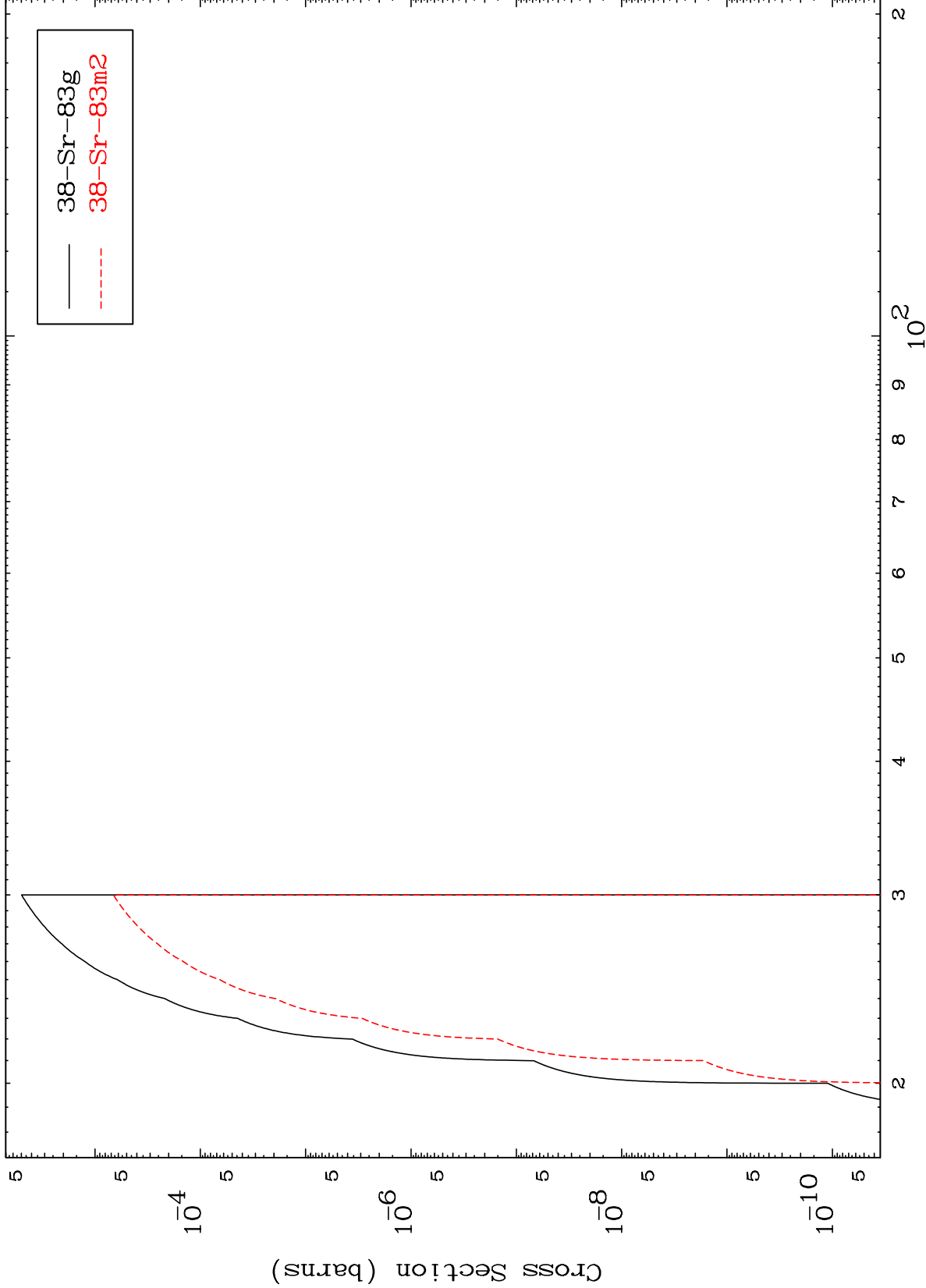


(n,n') p

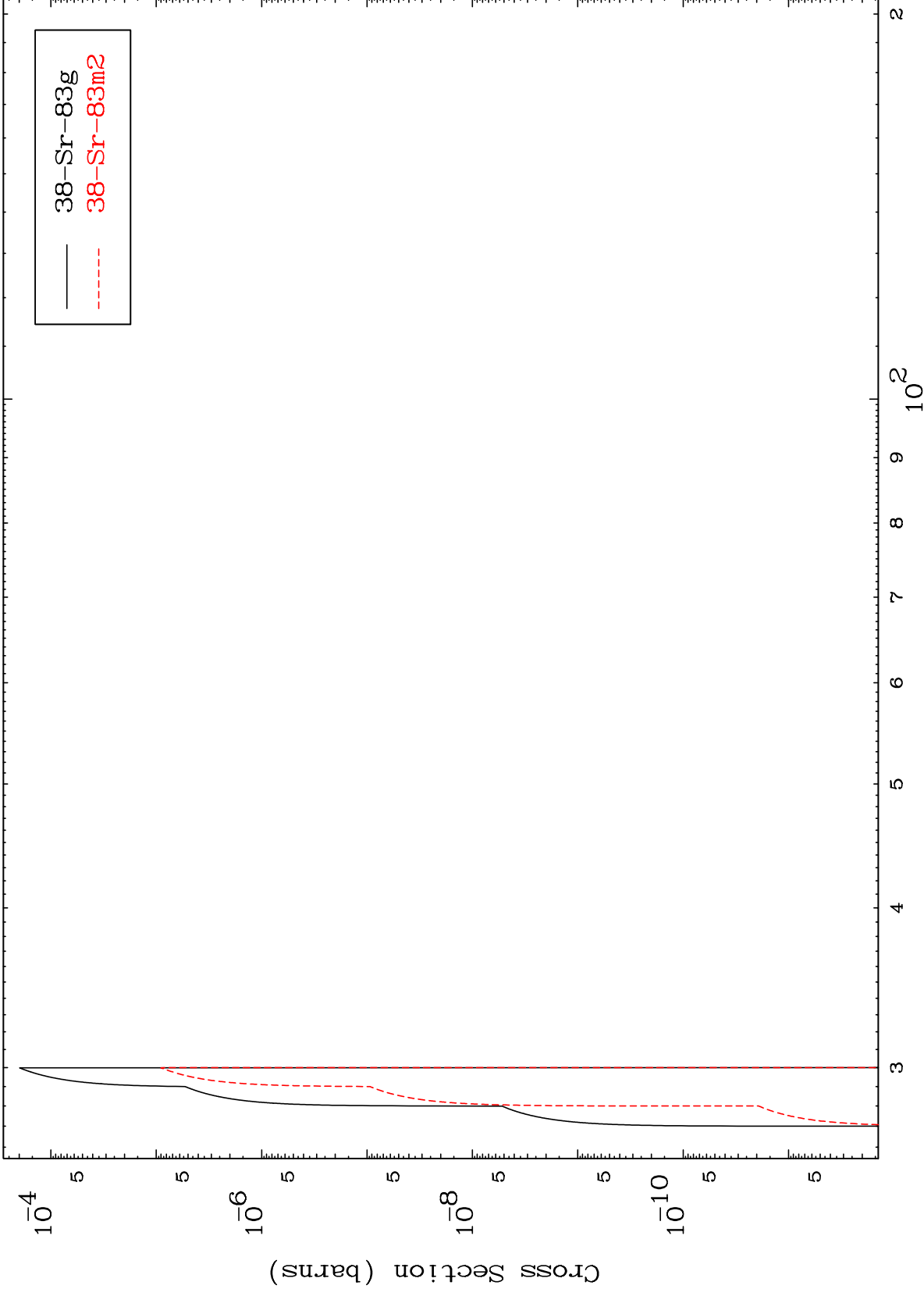
Radionuclide Production Cross Section

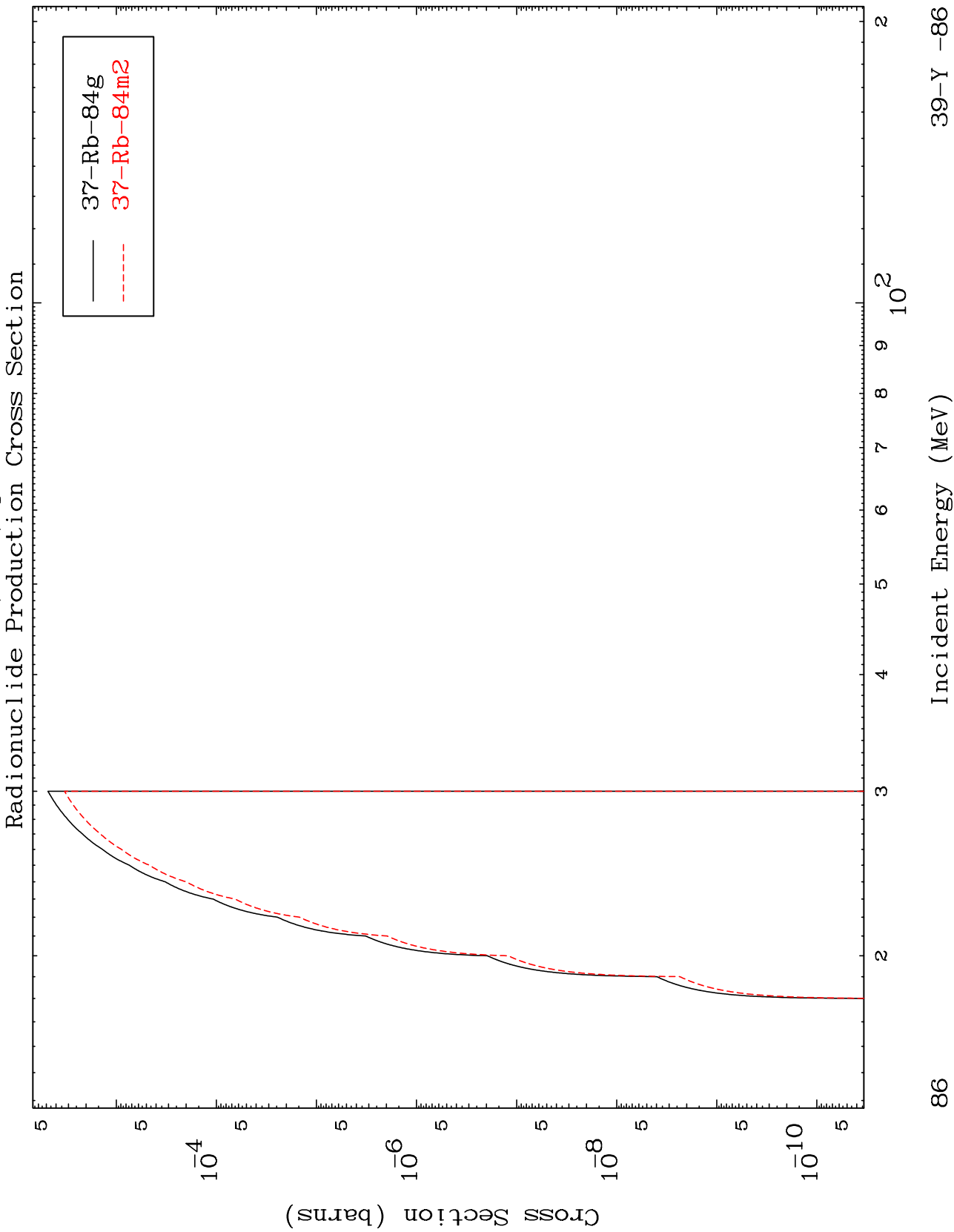


Radionuclide Production Cross Section

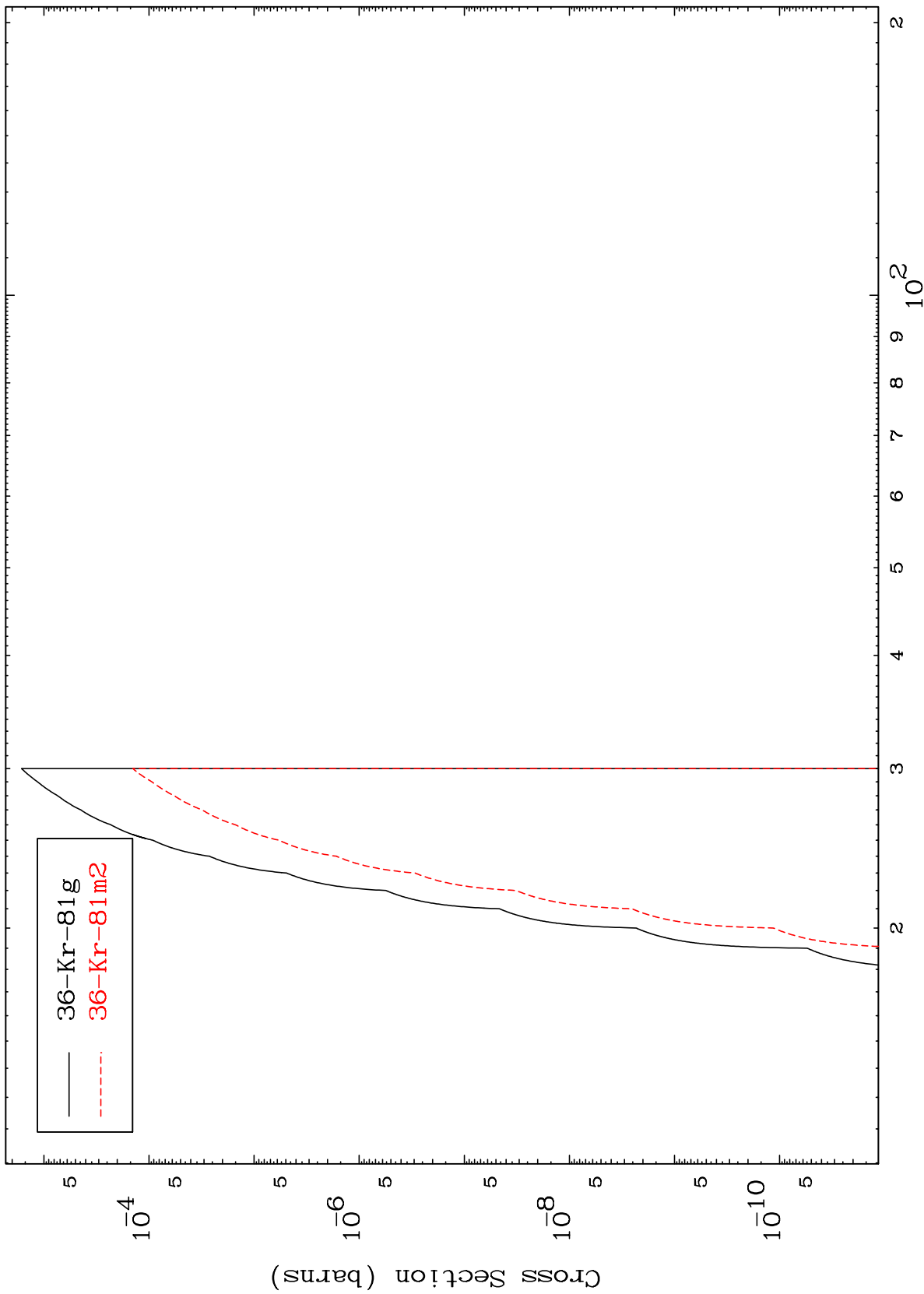


Radionuclide Production Cross Section



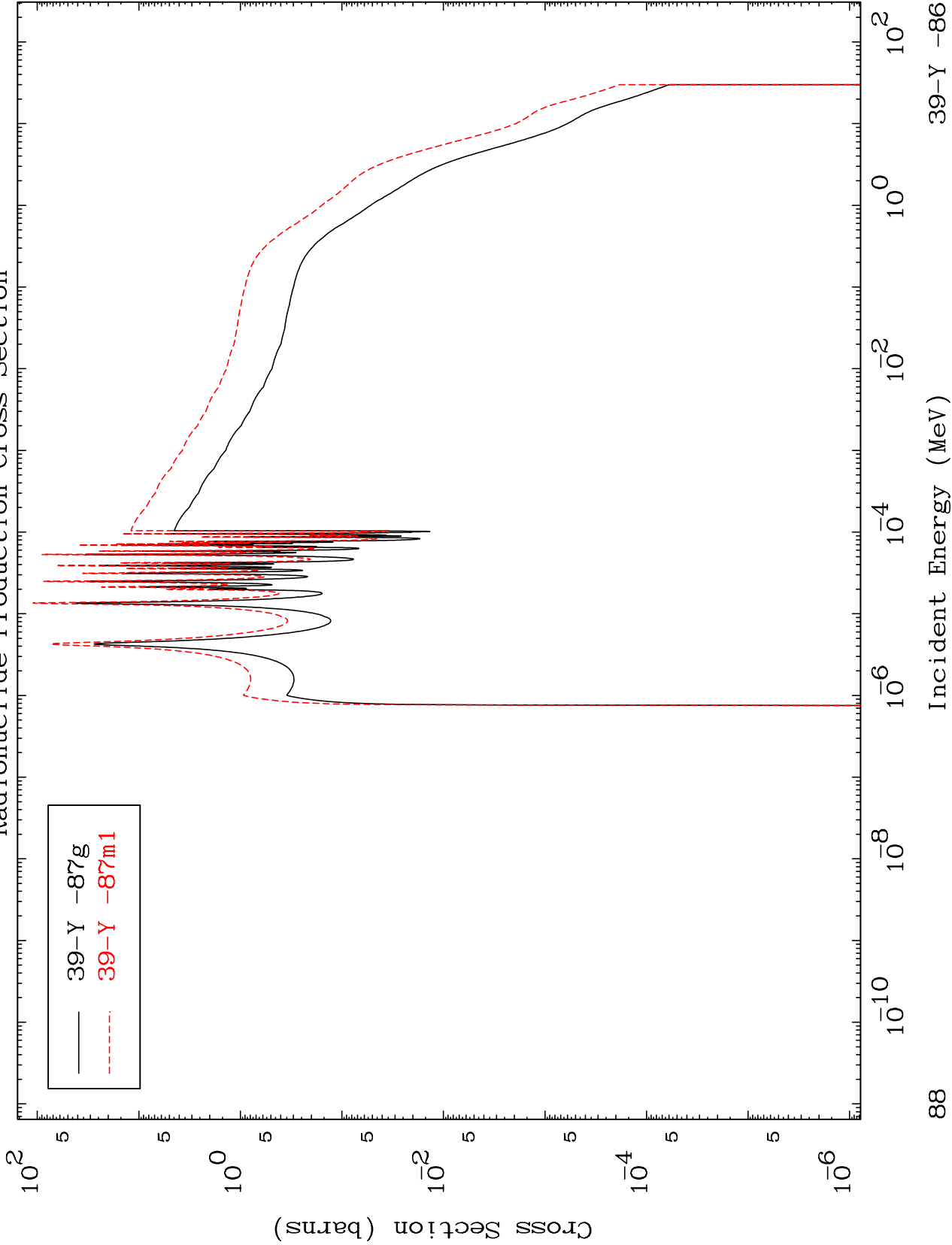


Radionuclide Production Cross Section

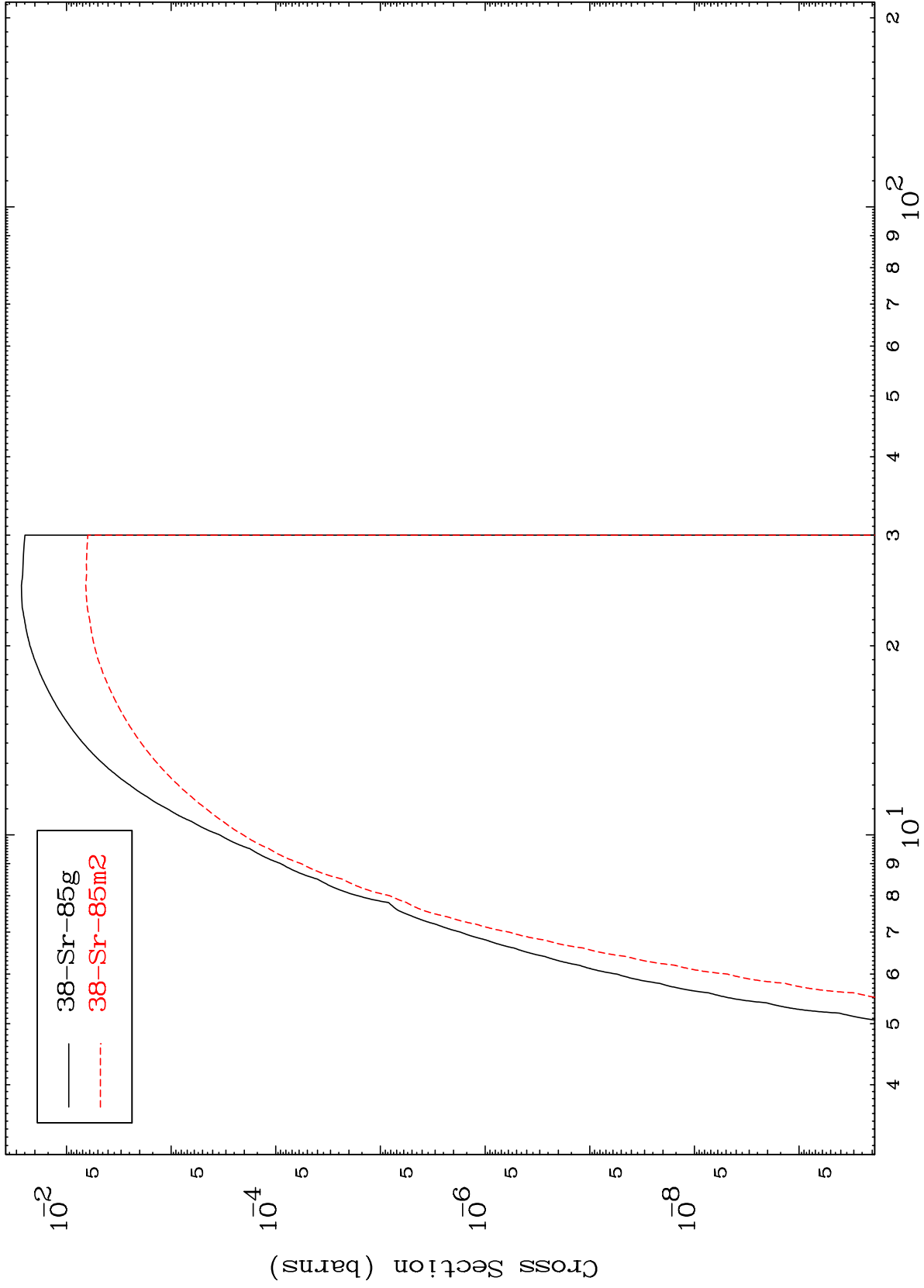




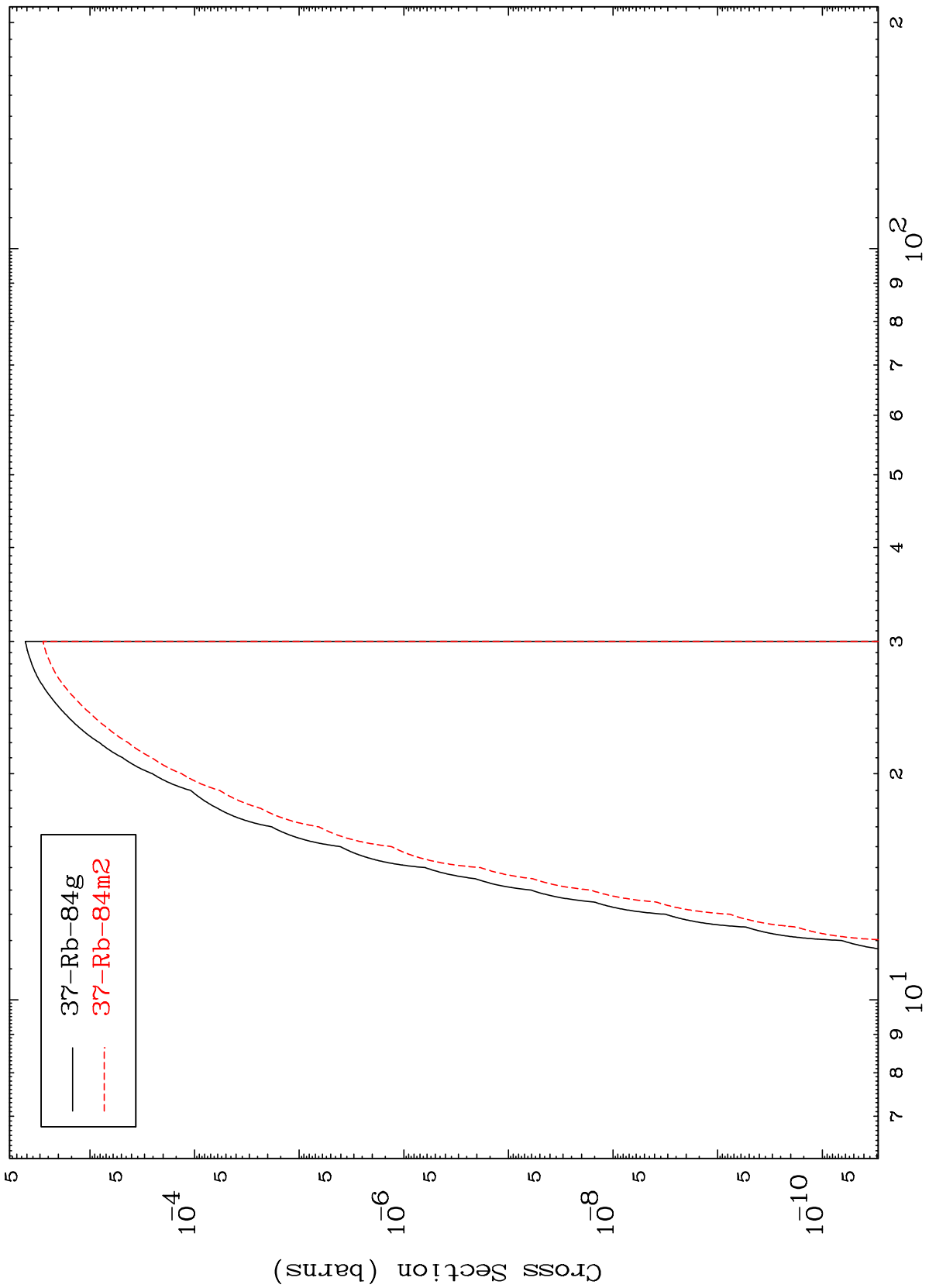
Radionuclide Production Cross Section (n,γ)



(n,d)  
Radionuclide Production Cross Section



Radionuclide Production Cross Section (n,He-3)

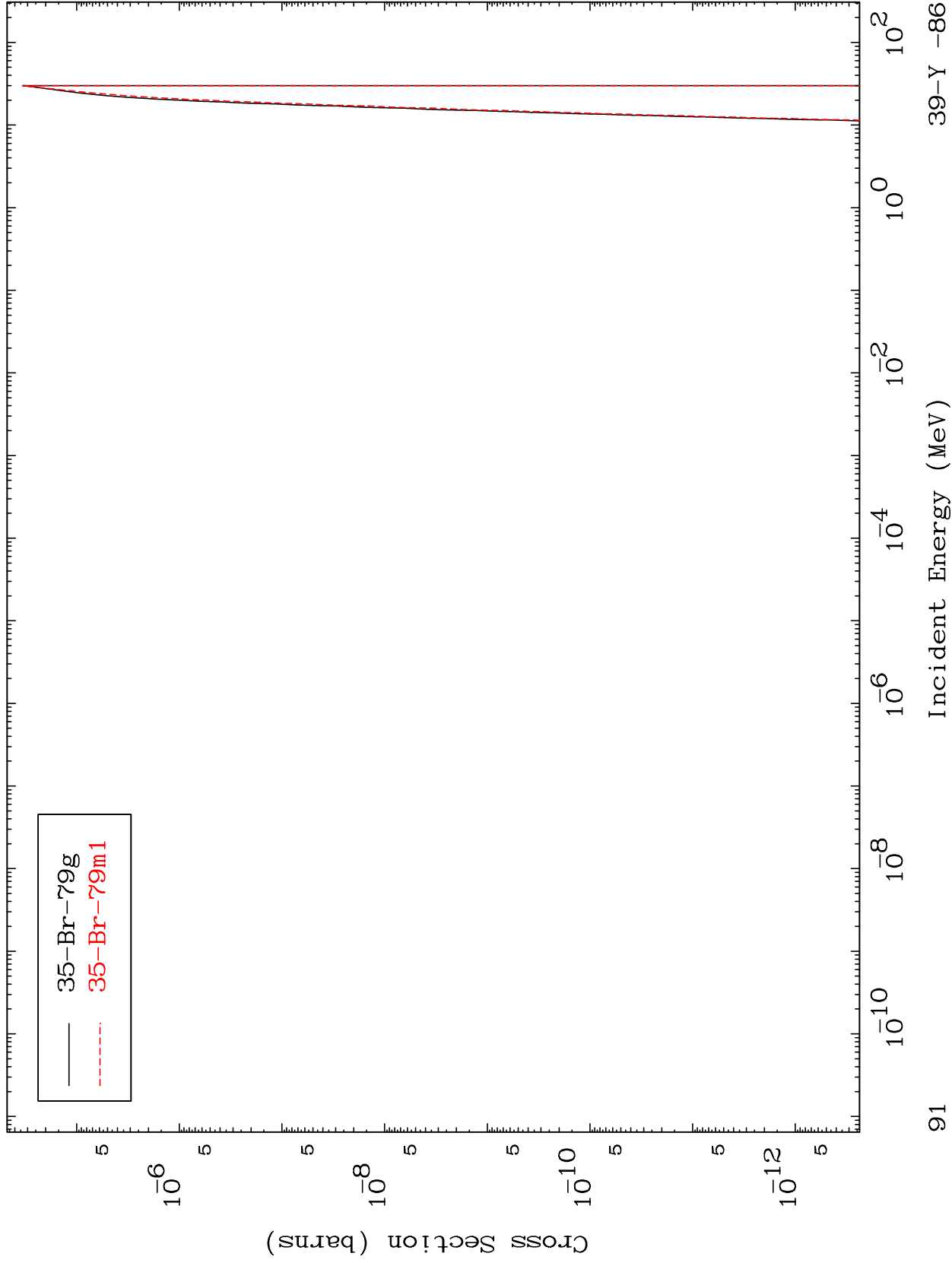


MAT 3916

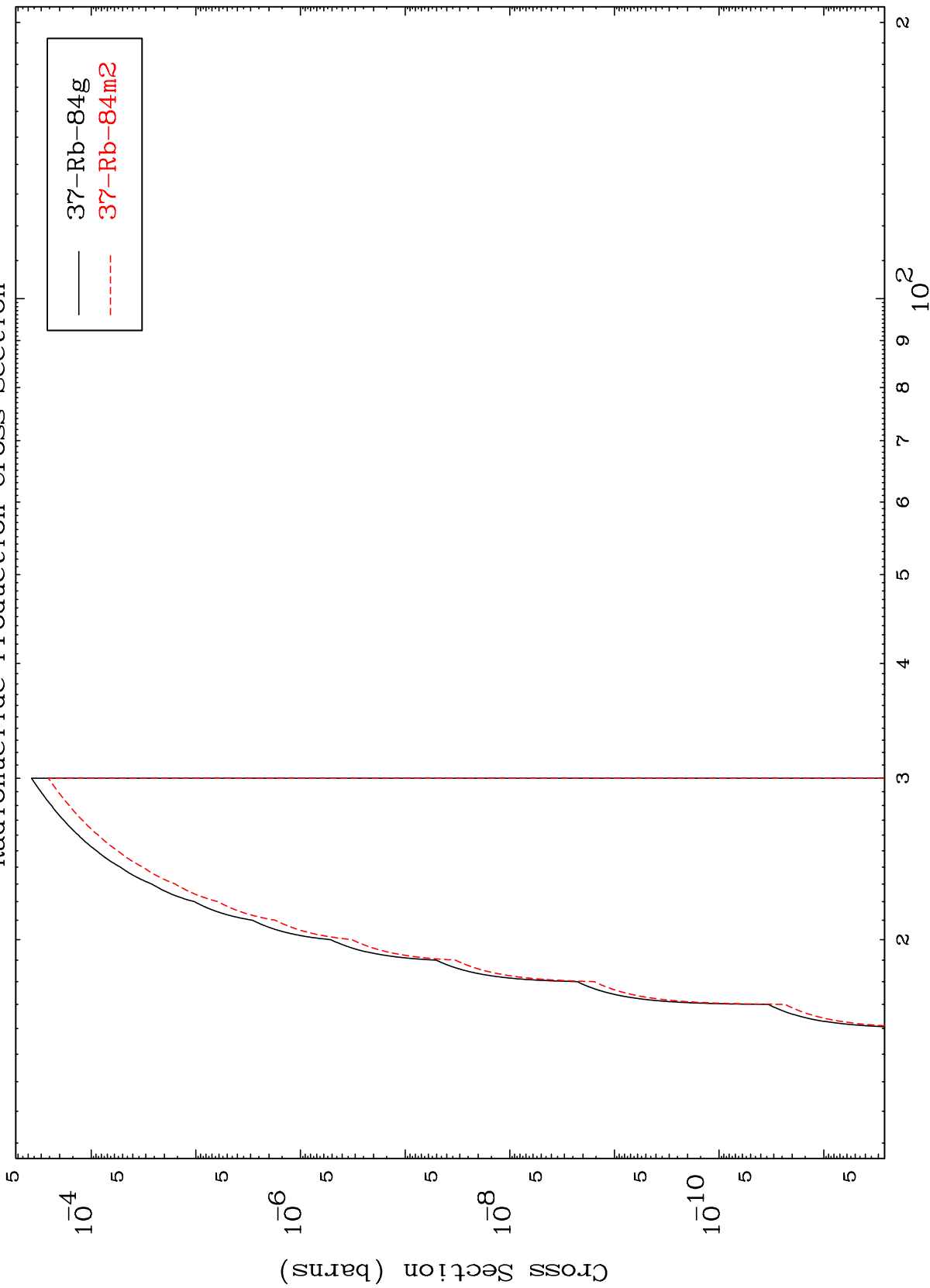
(n,2α)

39-Y -86

Radionuclide Production Cross Section



Radionuclide Production Cross Section



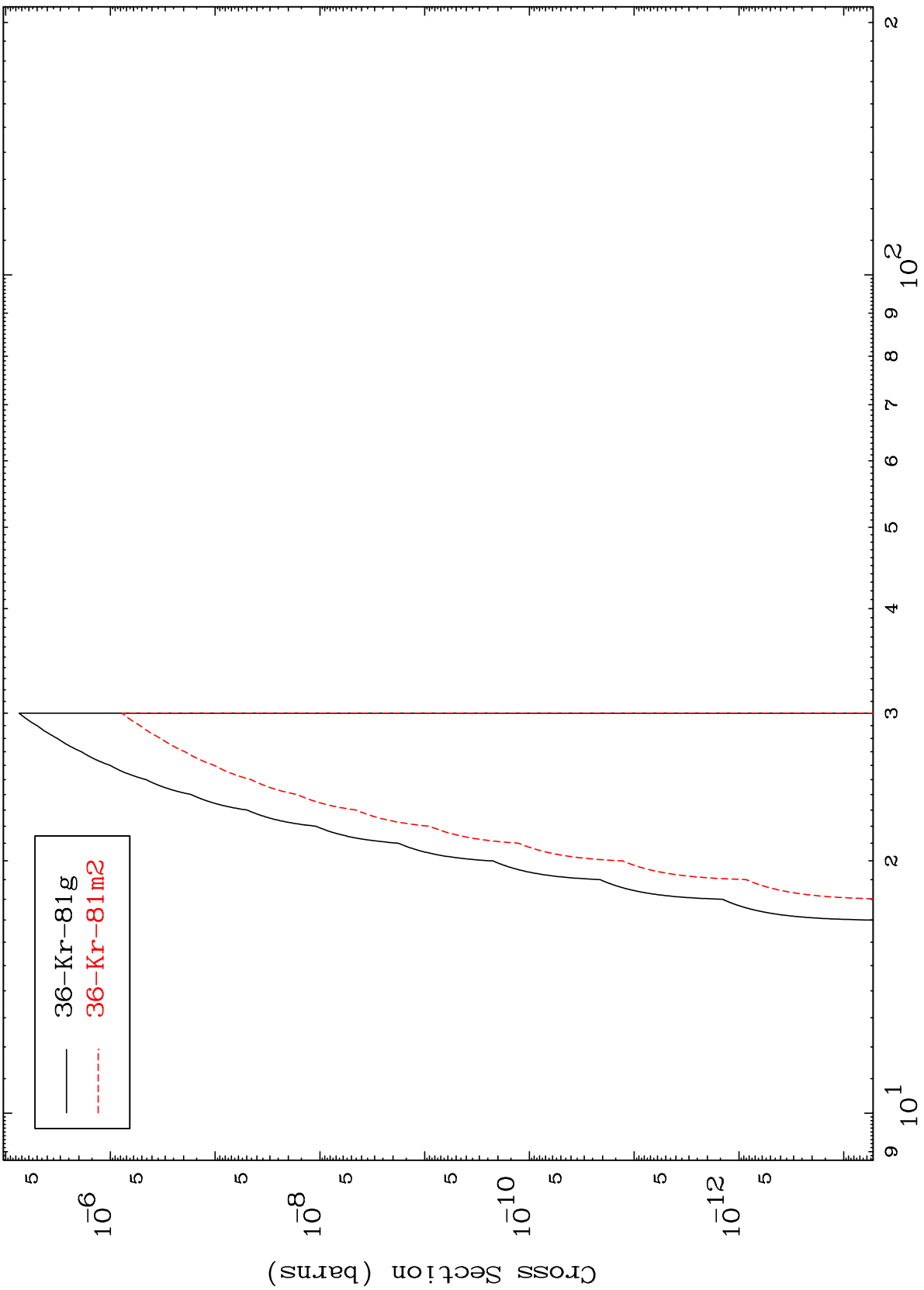
— 37-Rb-84g  
- - - 37-Rb-84m2

MAT 3916

(n,d)  $\alpha$

39-Y -86

Radionuclide Production Cross Section



— 36-Kr-81g  
- - - 36-Kr-81m2

93

Incident Energy (MeV)

39-Y -86