

Program EVALPLOT  
(Version 2018-1)

by

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(Present Contact Information)

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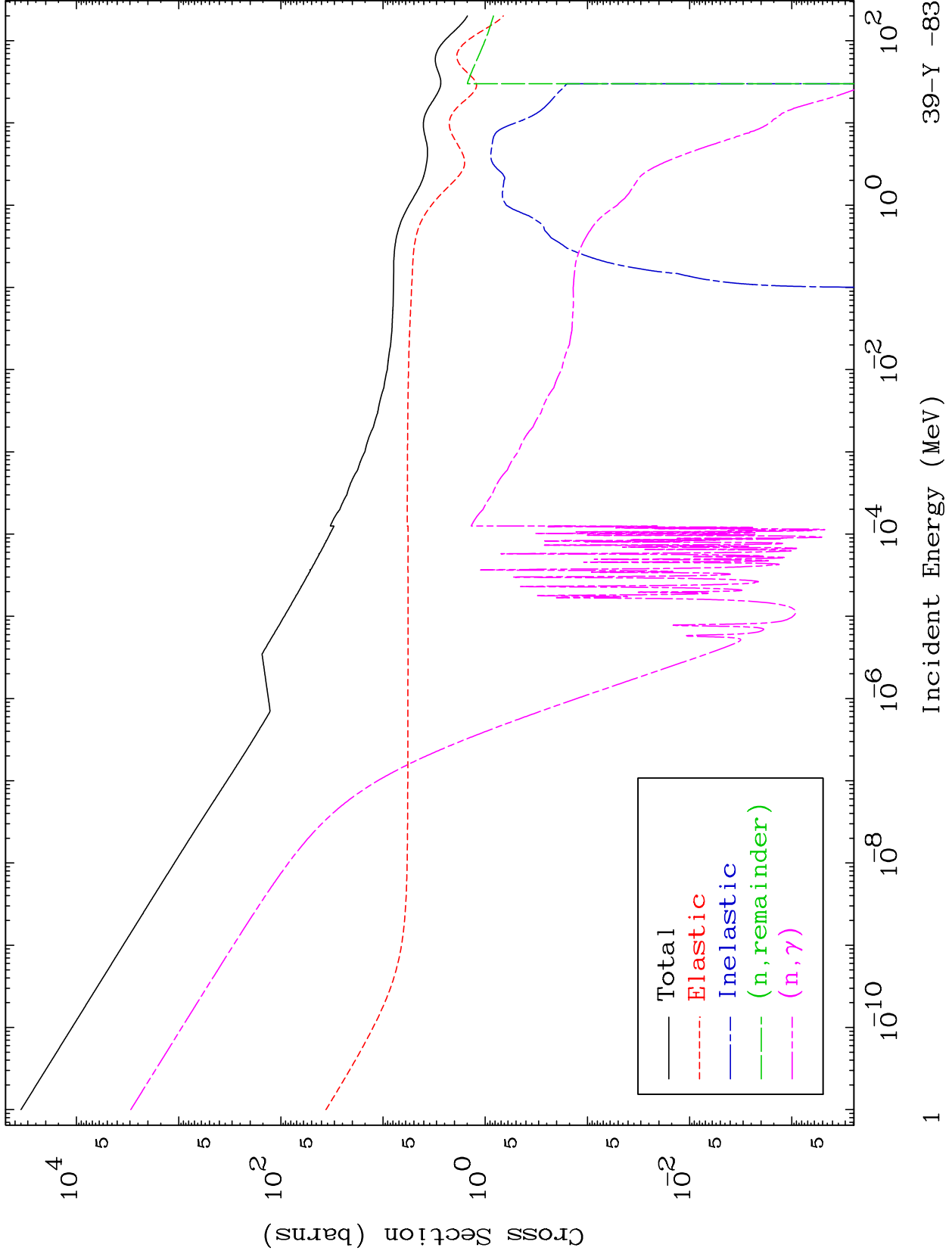
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

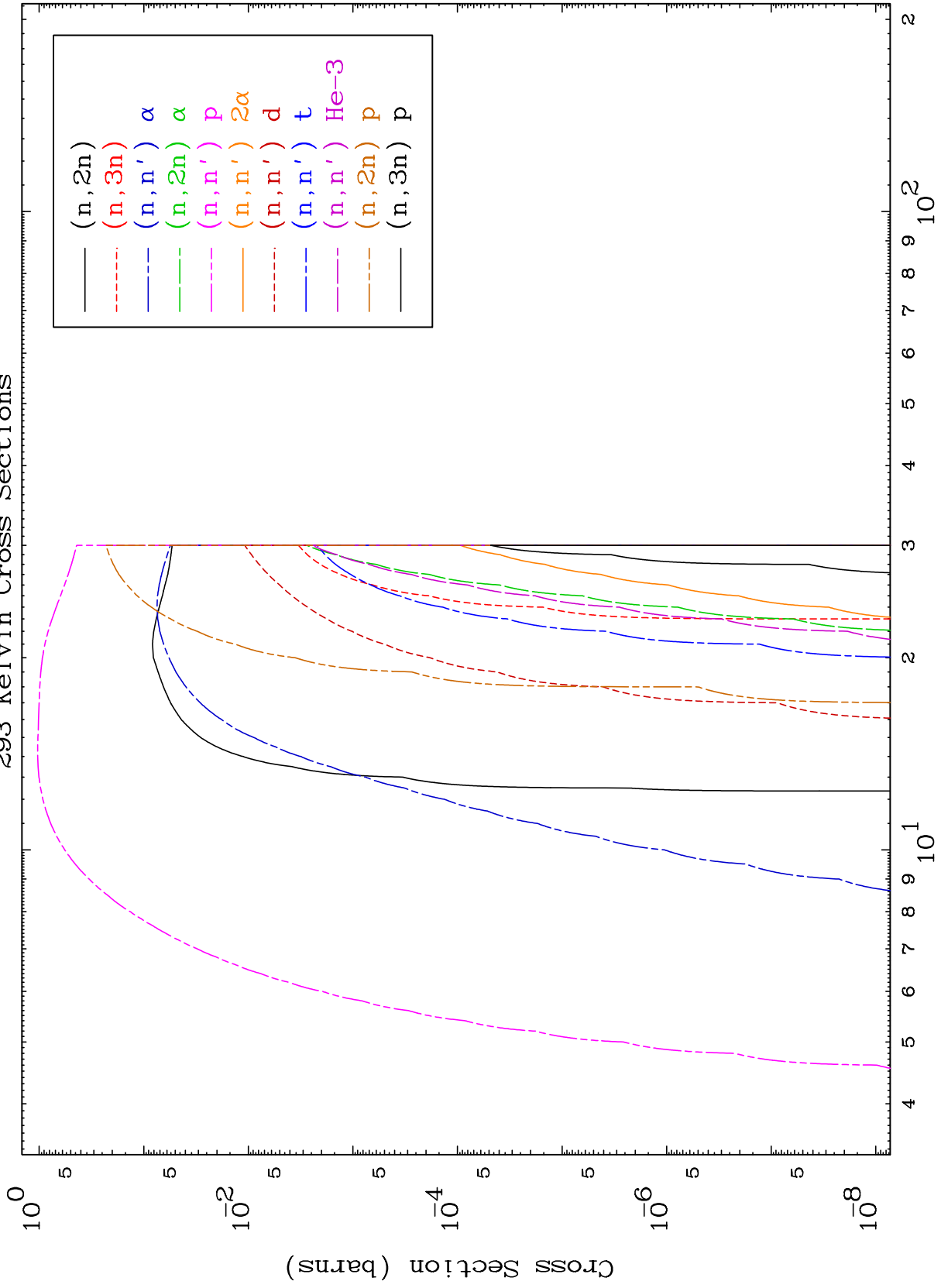
MAT 3907

Major  
293 Kelvin Cross Sections

39-Y -83



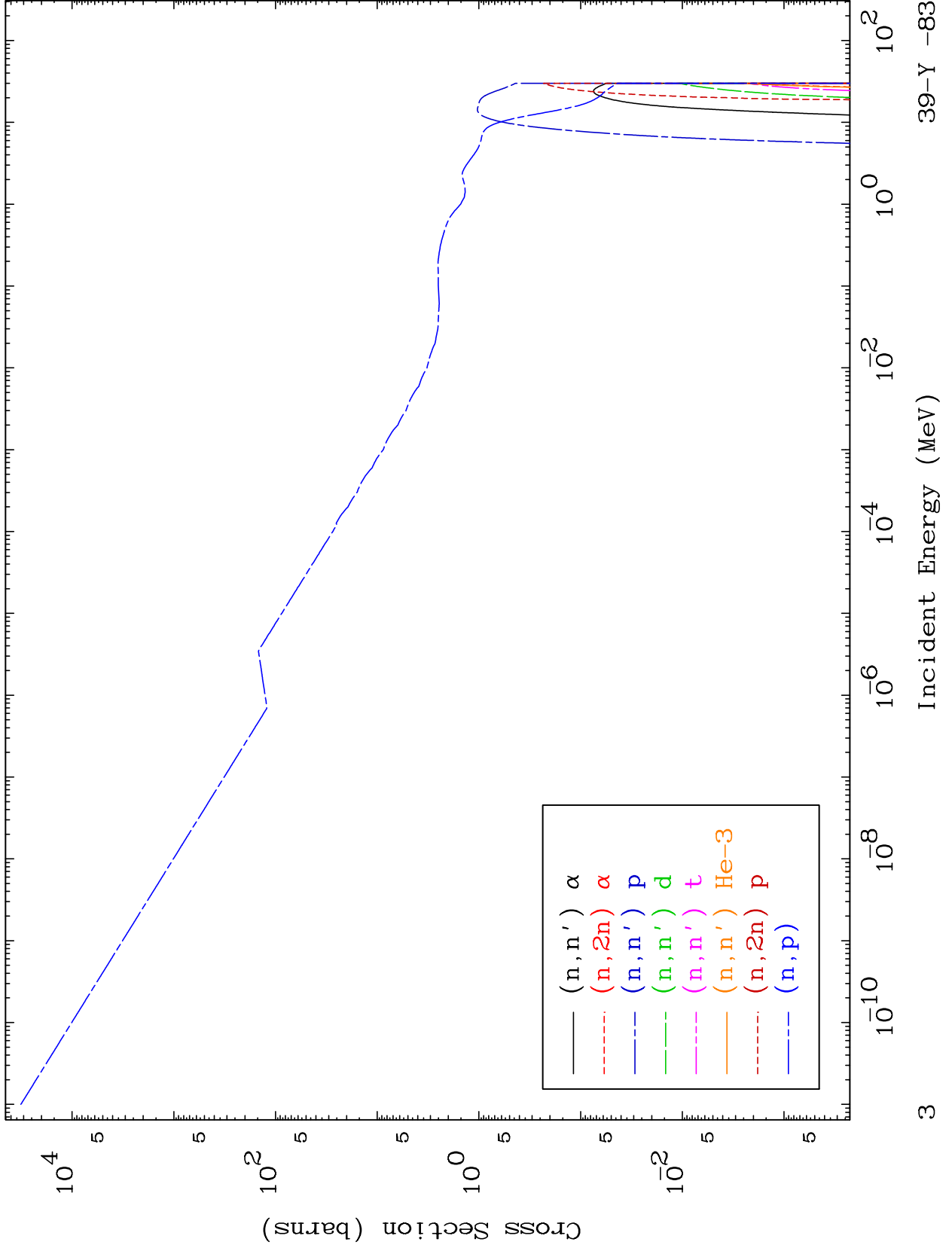
Neutron Production  
293 Kelvin Cross Sections



MAT 3907

Charged Particle  
293 Kelvin Cross Sections

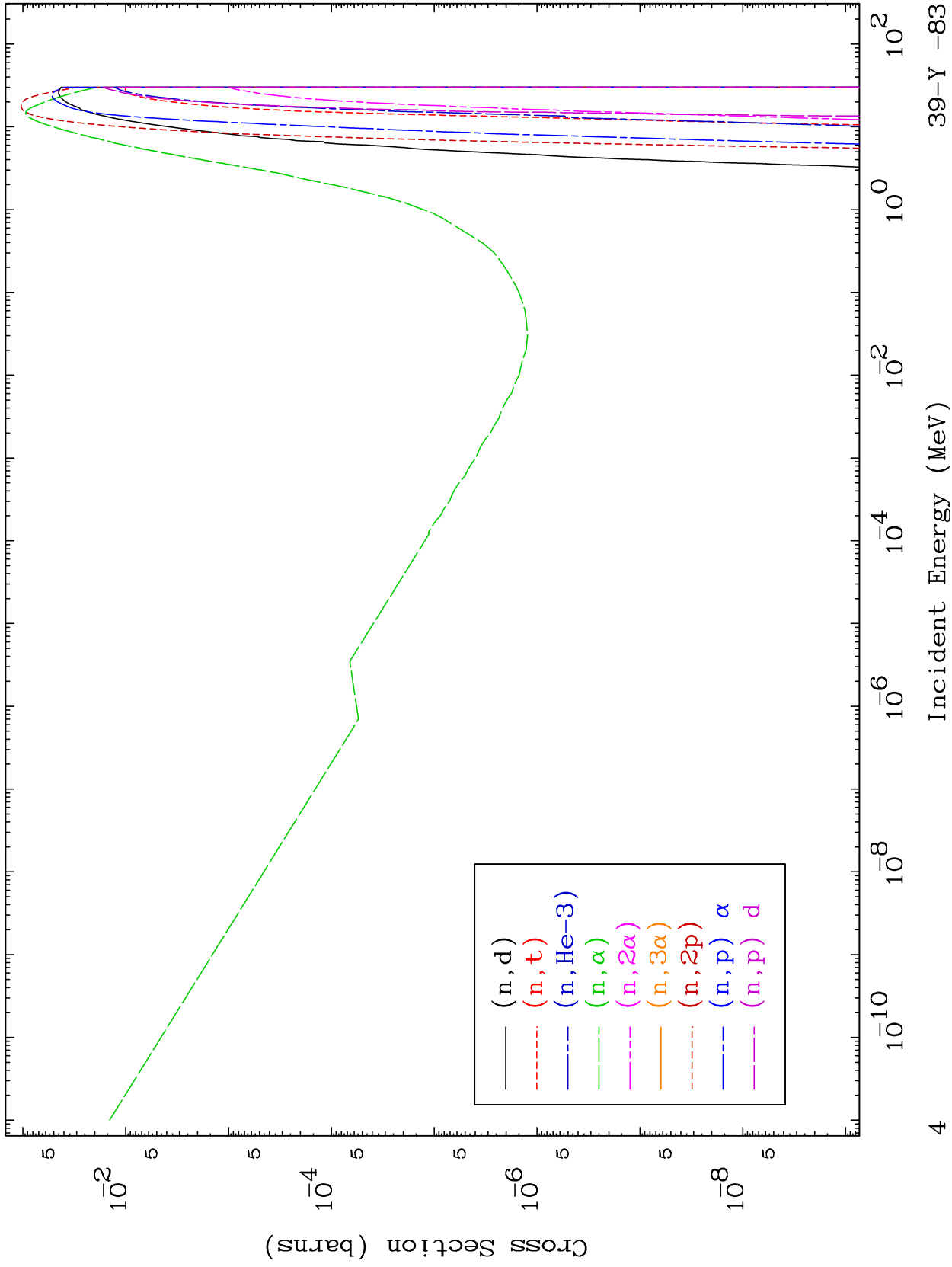
39-Y -83

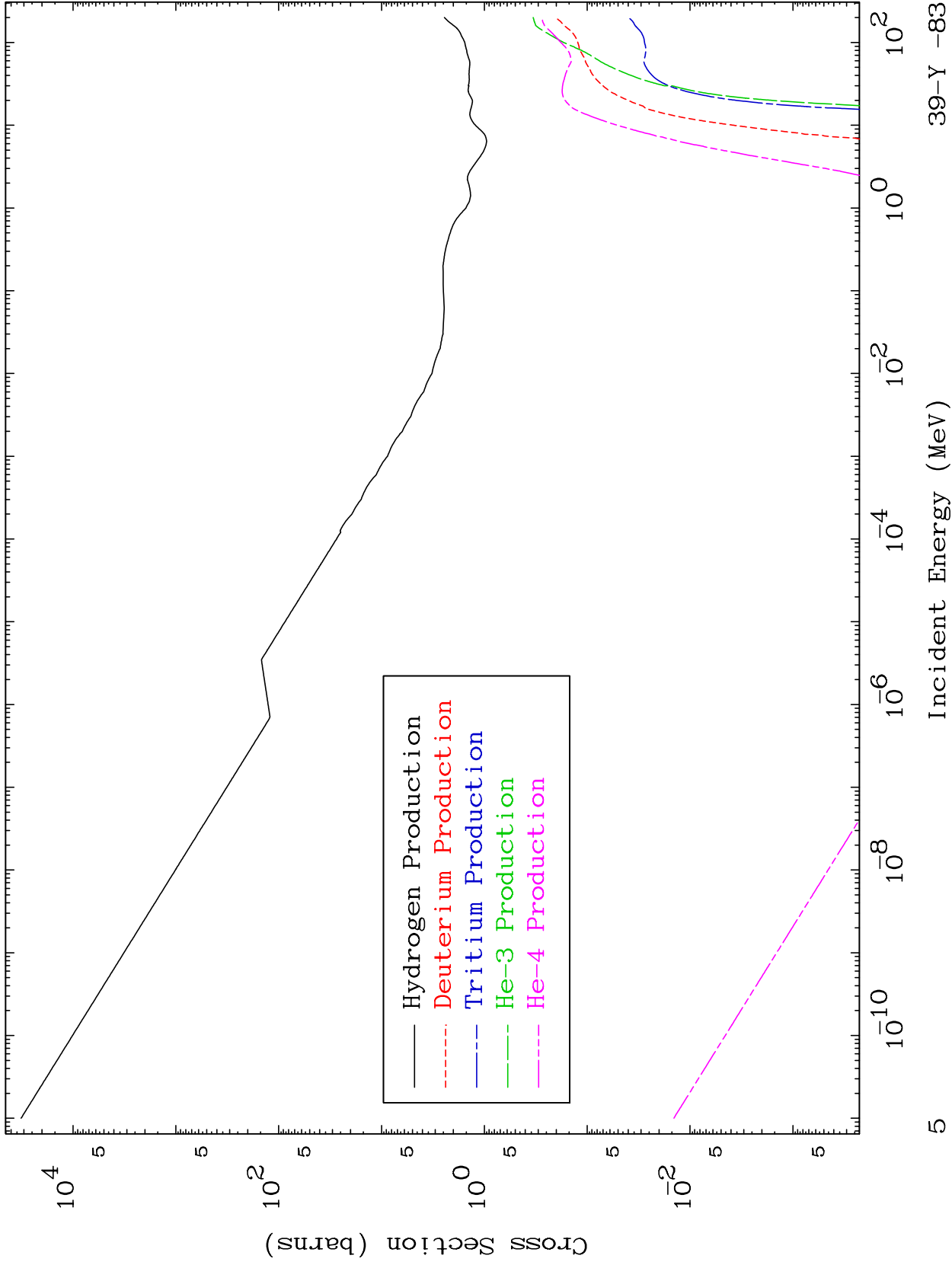


MAT 3907

Charged Particle  
293 Kelvin Cross Sections

39-Y -83



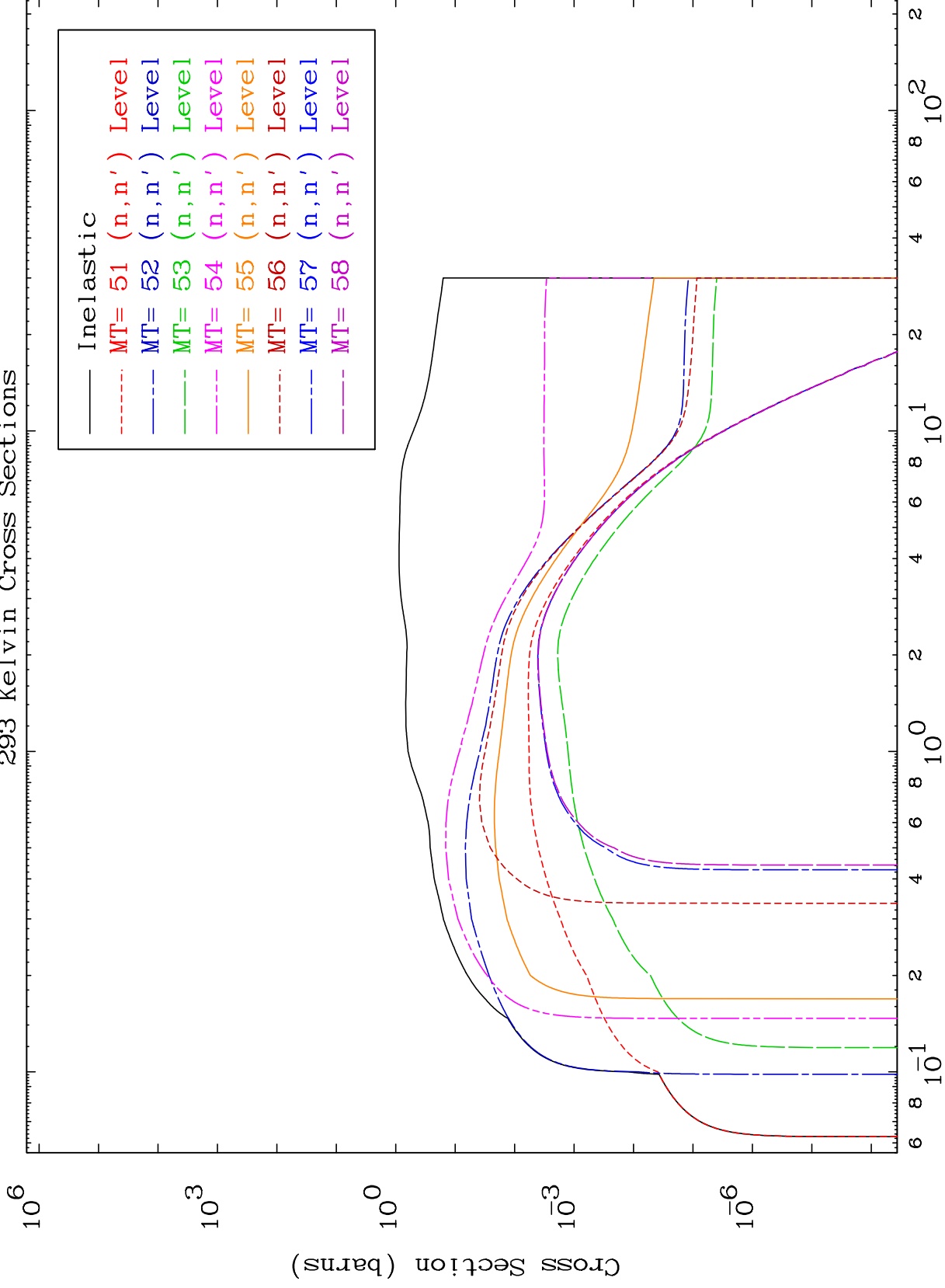


MAT 3907

(n,n') Level

39-Y -83

293 Kelvin Cross Sections

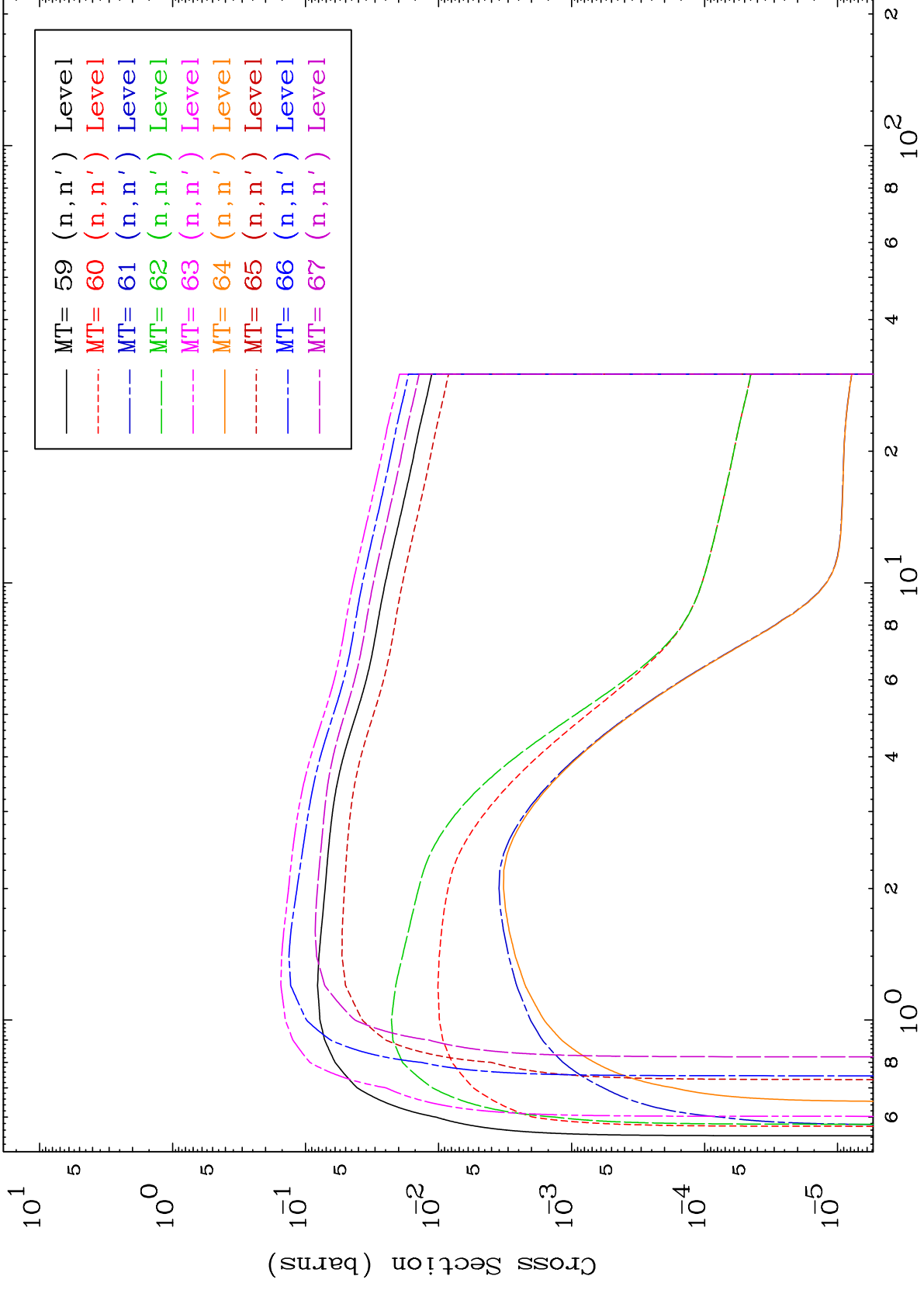


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Incident Energy (MeV)

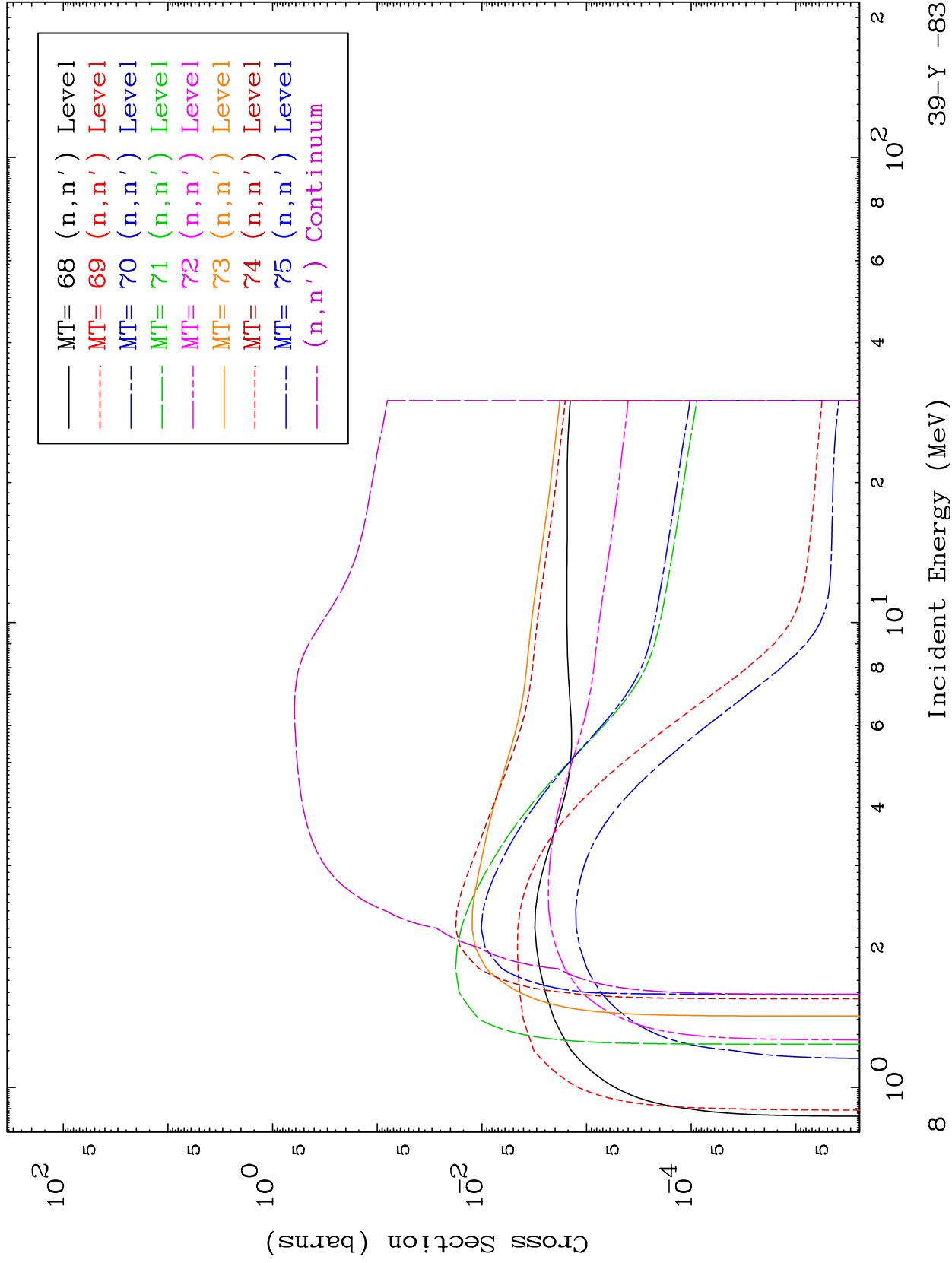
39-Y -83

293 Kelvin Cross Sections





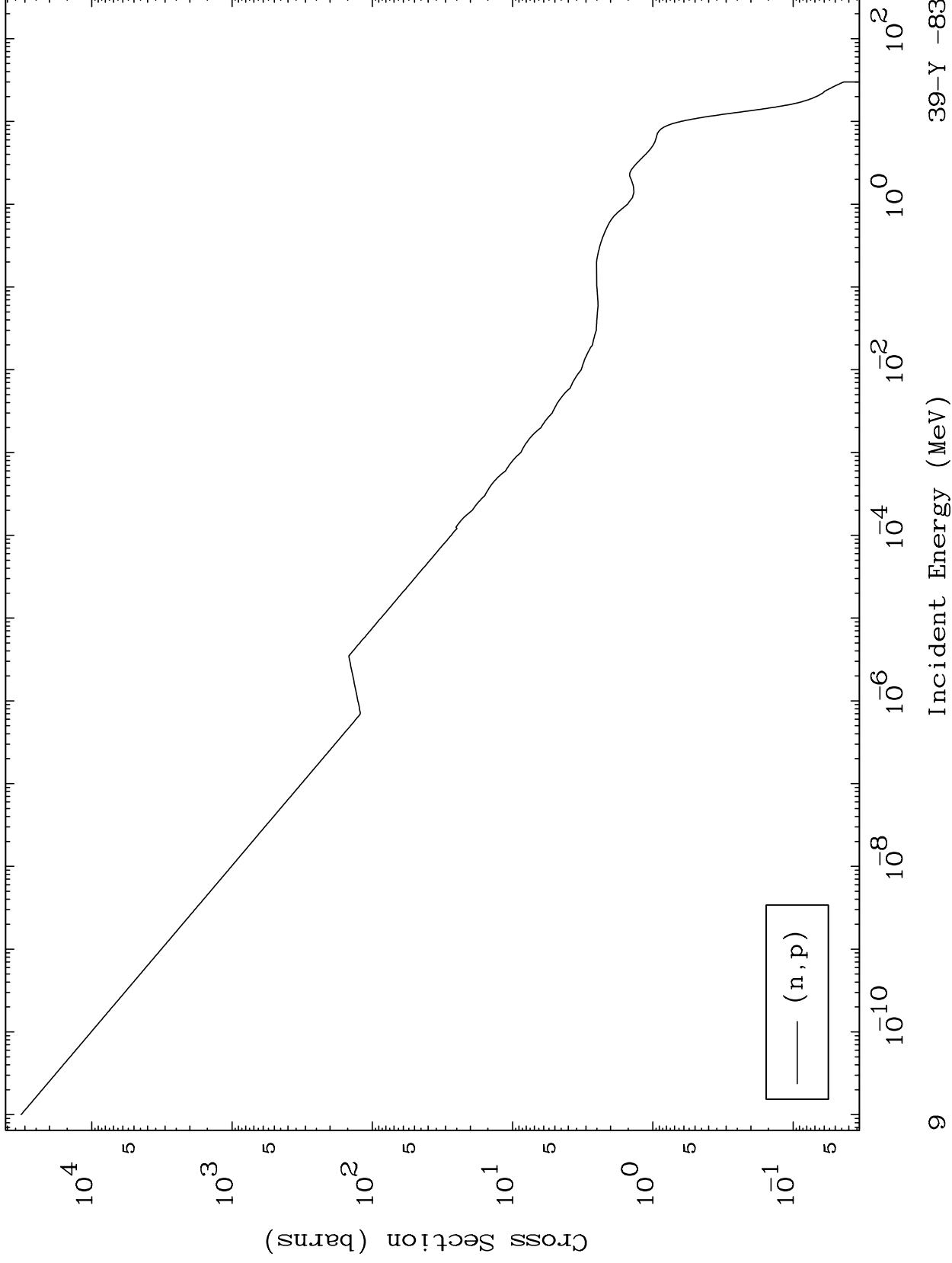
293 Kelvin Cross Sections



MAT 3907

(n,p) Levels  
293 Kelvin Cross Sections

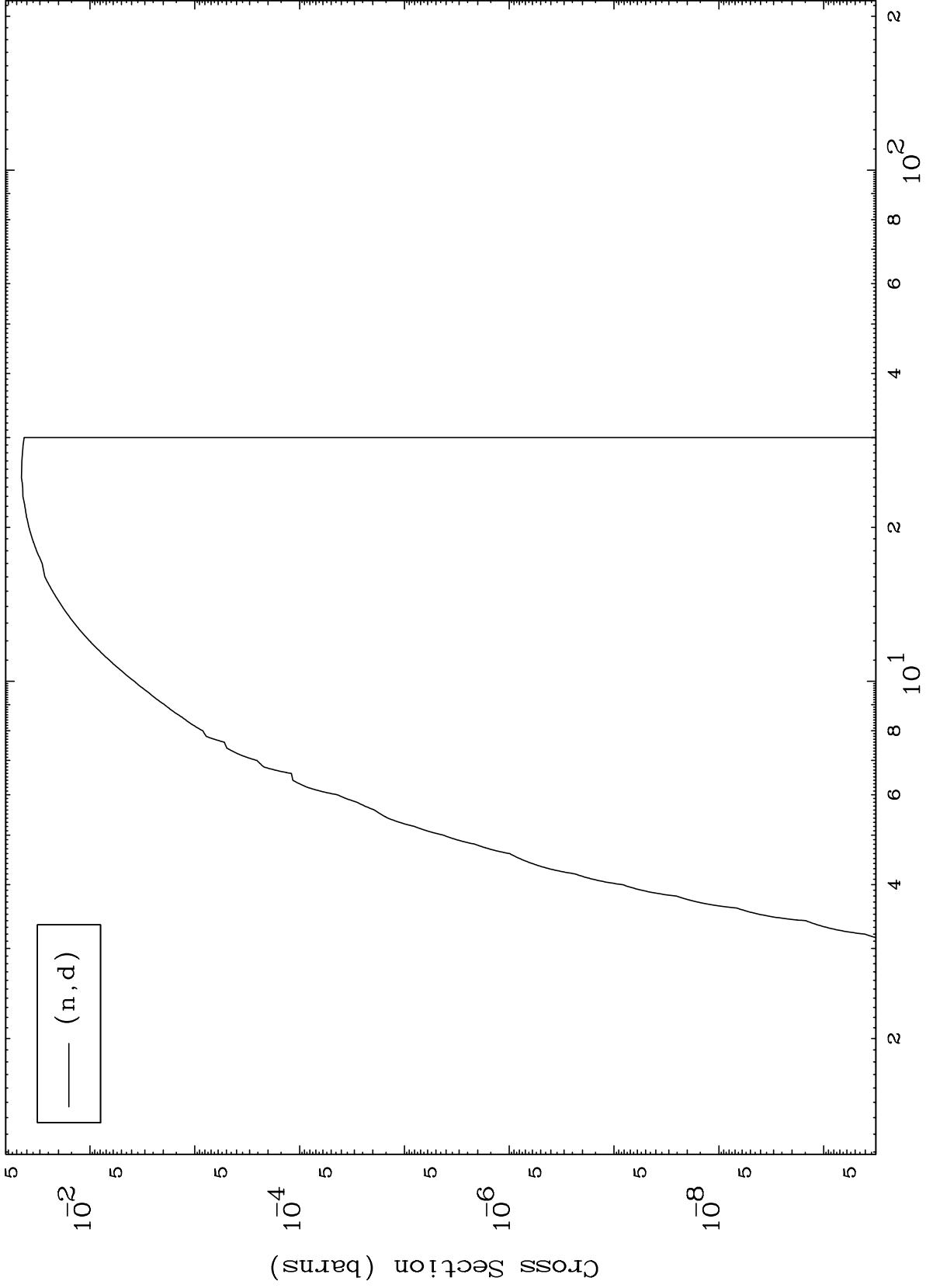
39-Y -83



MAT 3907

(n,d) Levels  
293 Kelvin Cross Sections

39-Y -83



10

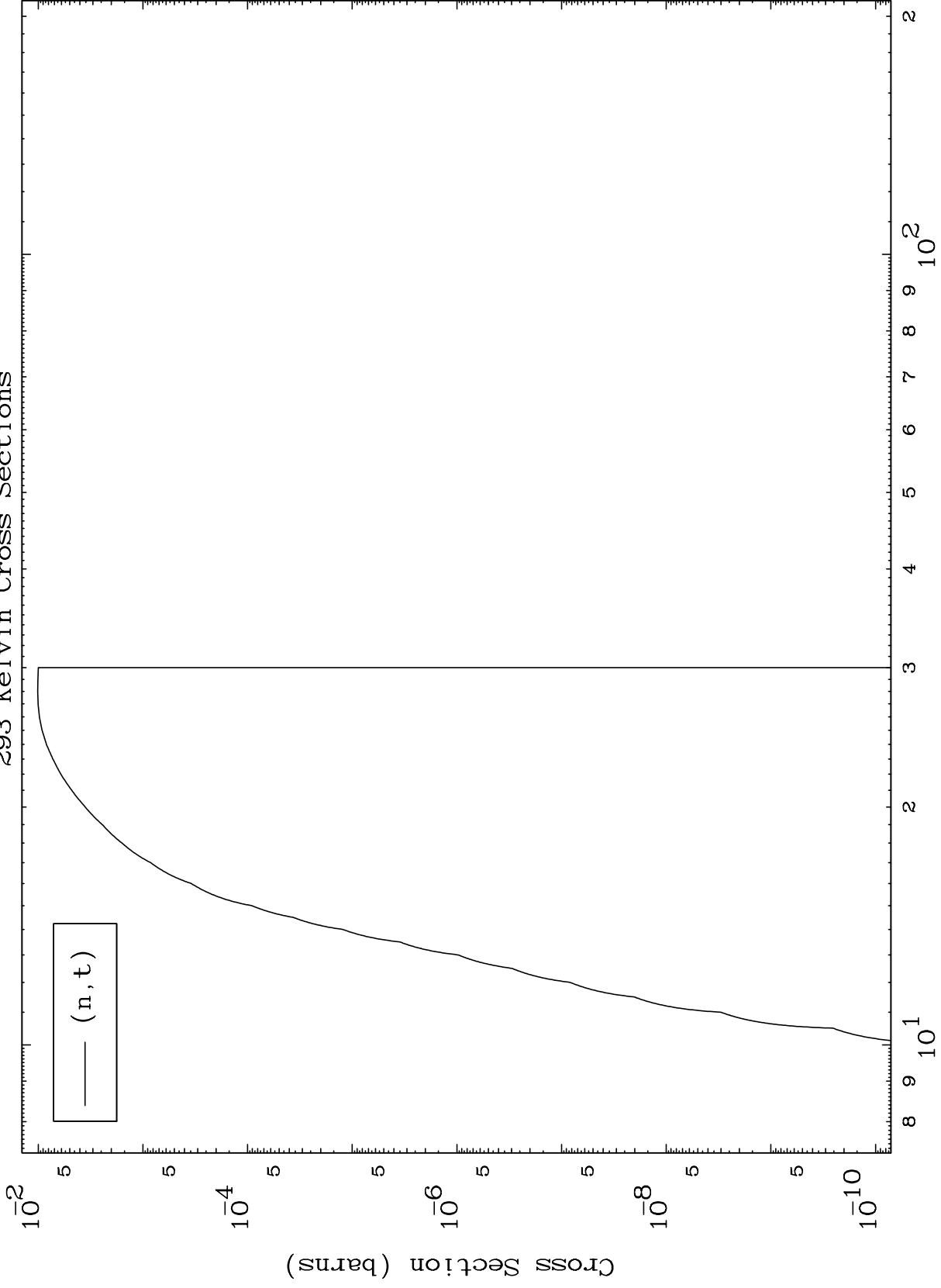
Incident Energy (MeV)

39-Y -83

MAT 3907

(n,t) Levels  
293 Kelvin Cross Sections

39-Y -83



11

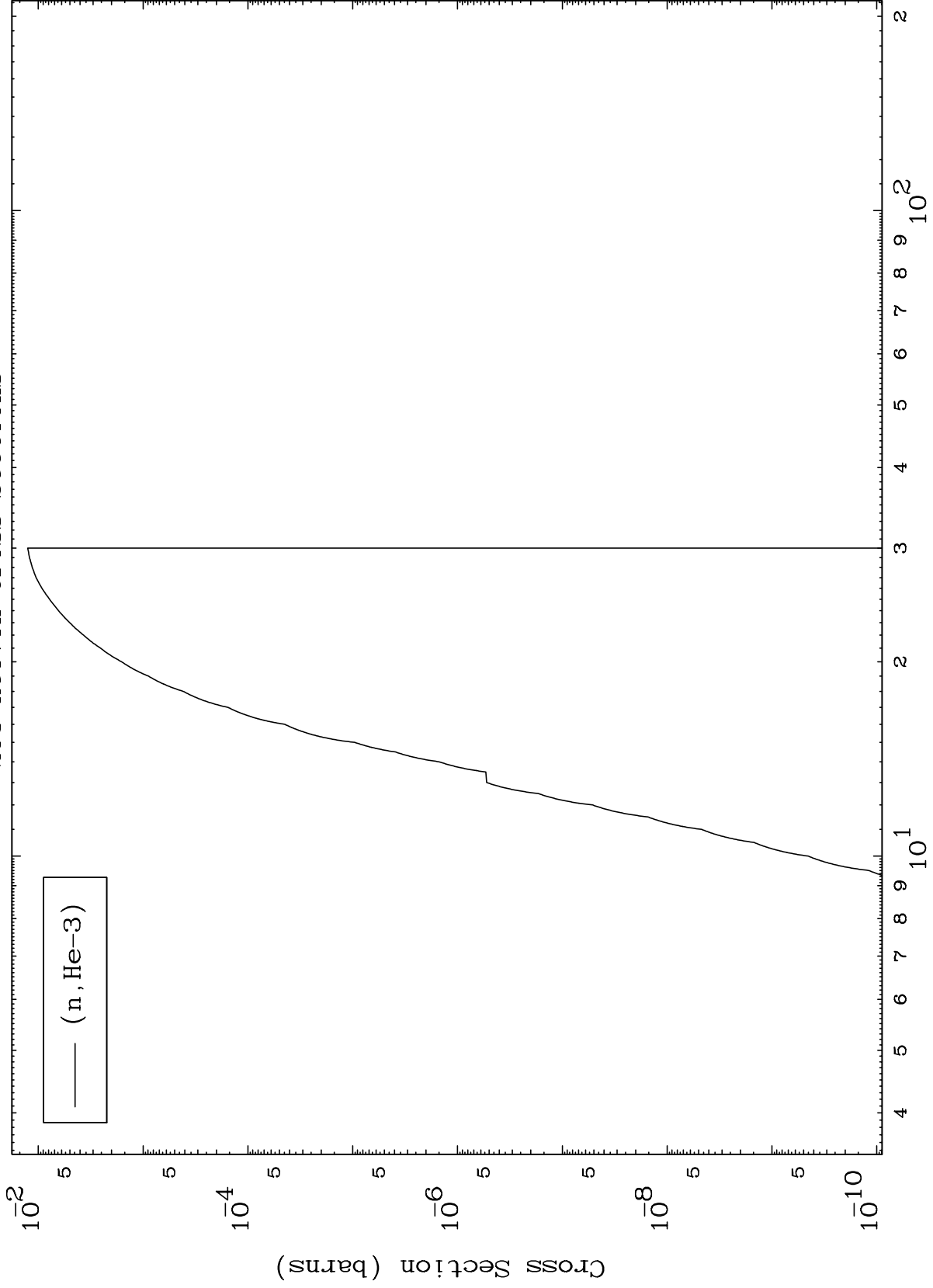
Incident Energy (MeV)

39-Y -83

MAT 3907

(n,He3) Levels  
293 Kelvin Cross Sections

39-Y -83



12

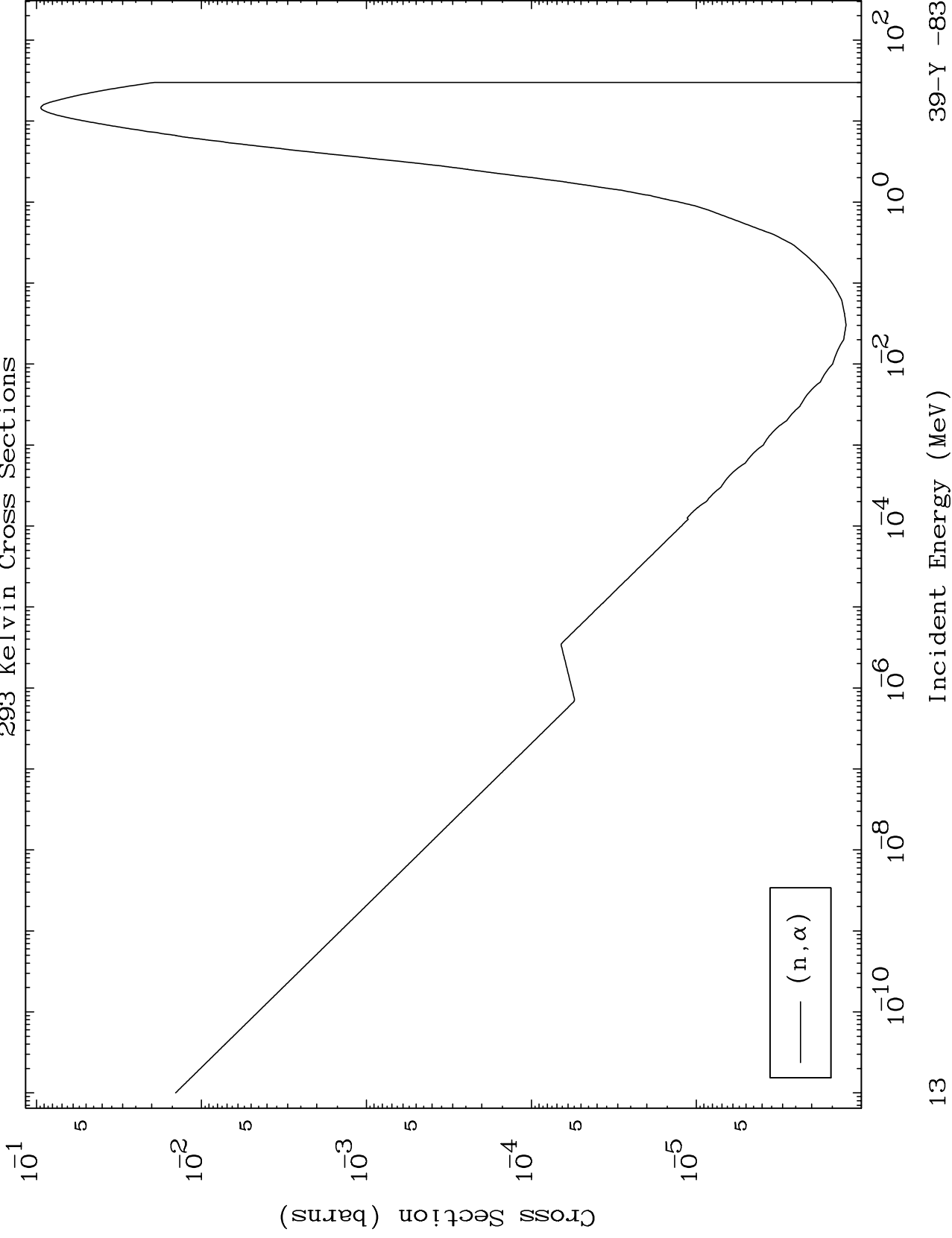
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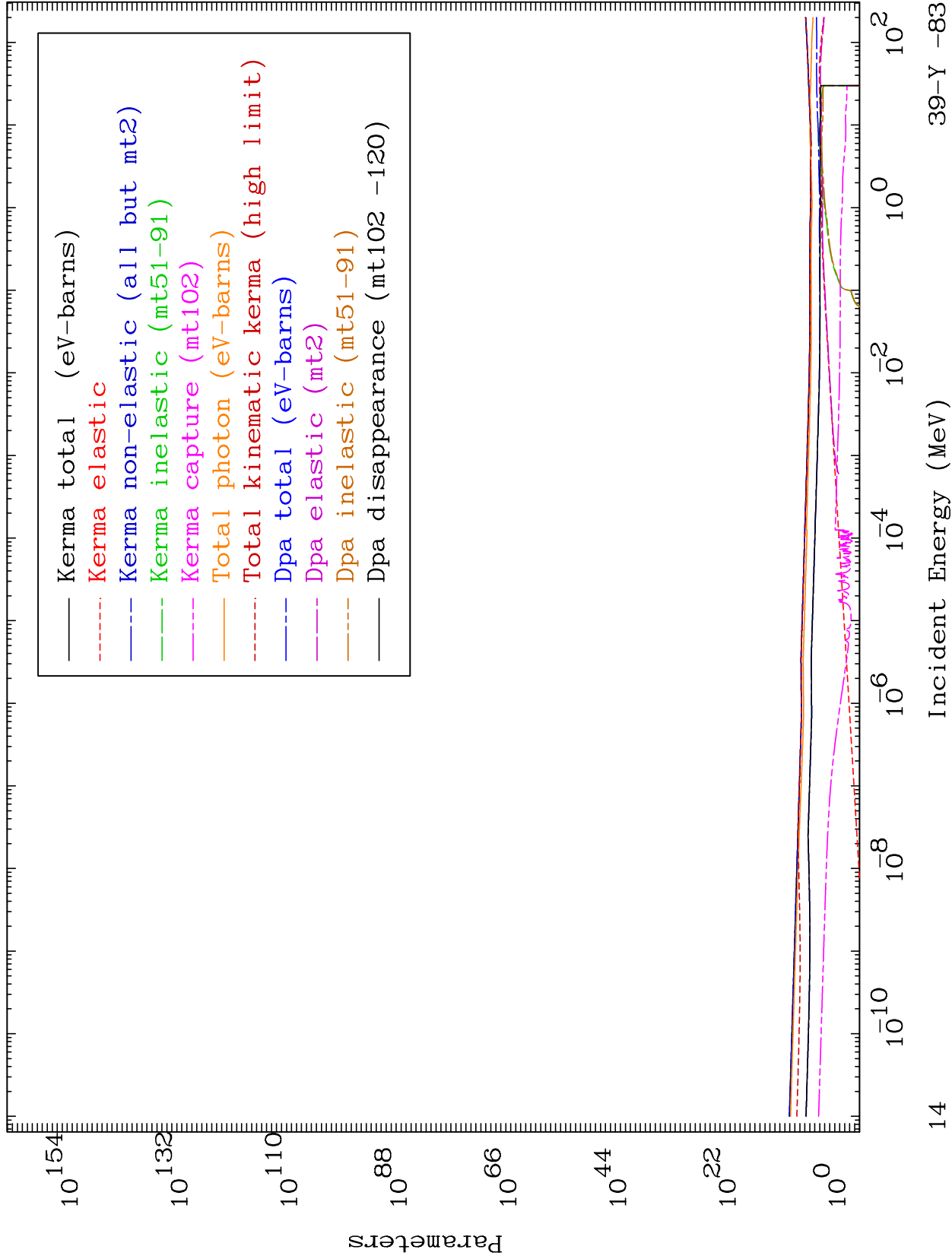
39-Y -83

MAT 3907

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

39-Y -83

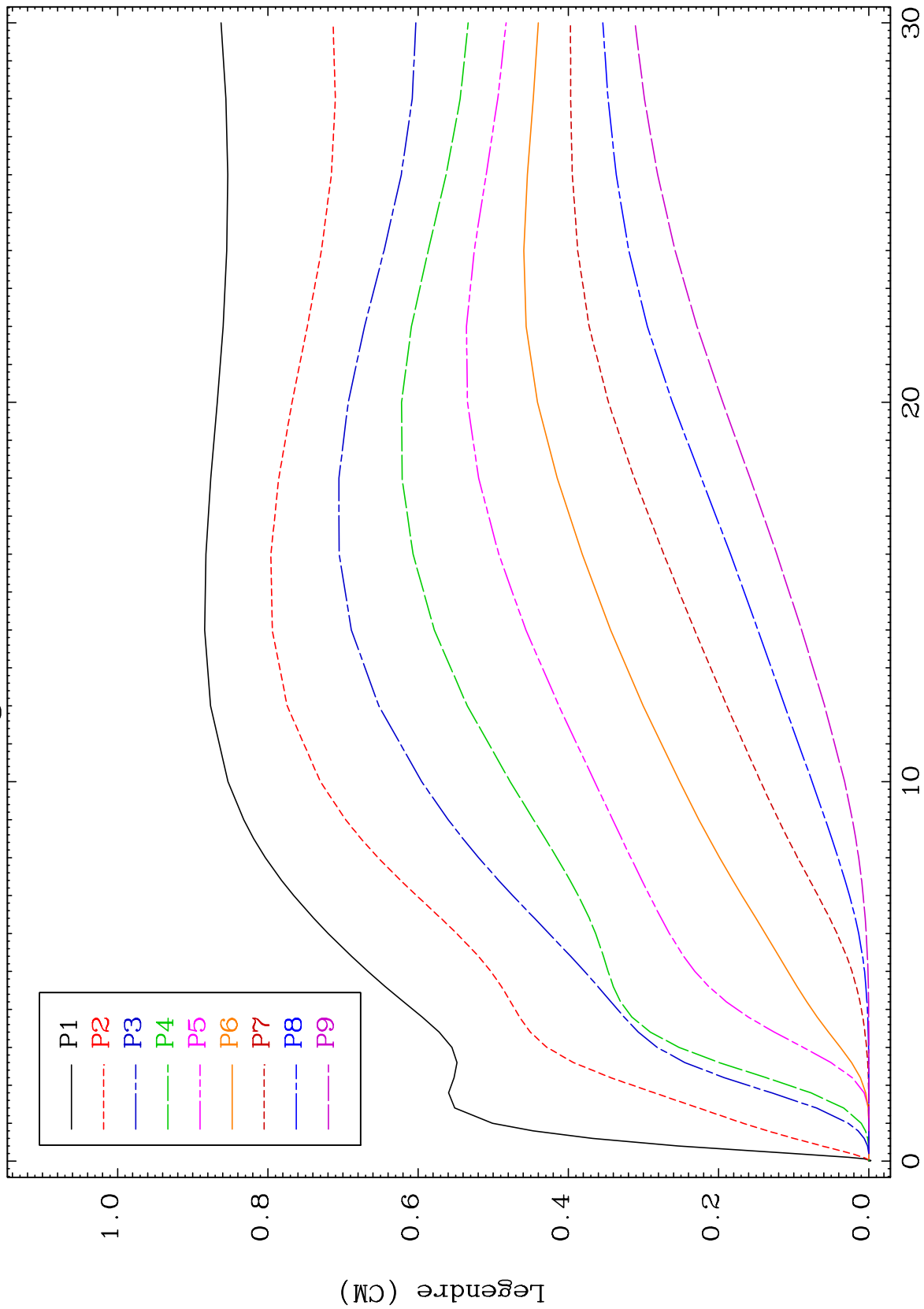




MAT 3907

Elastic Legendre Coefficients

39-Y -83



15

Incident Energy (MeV)

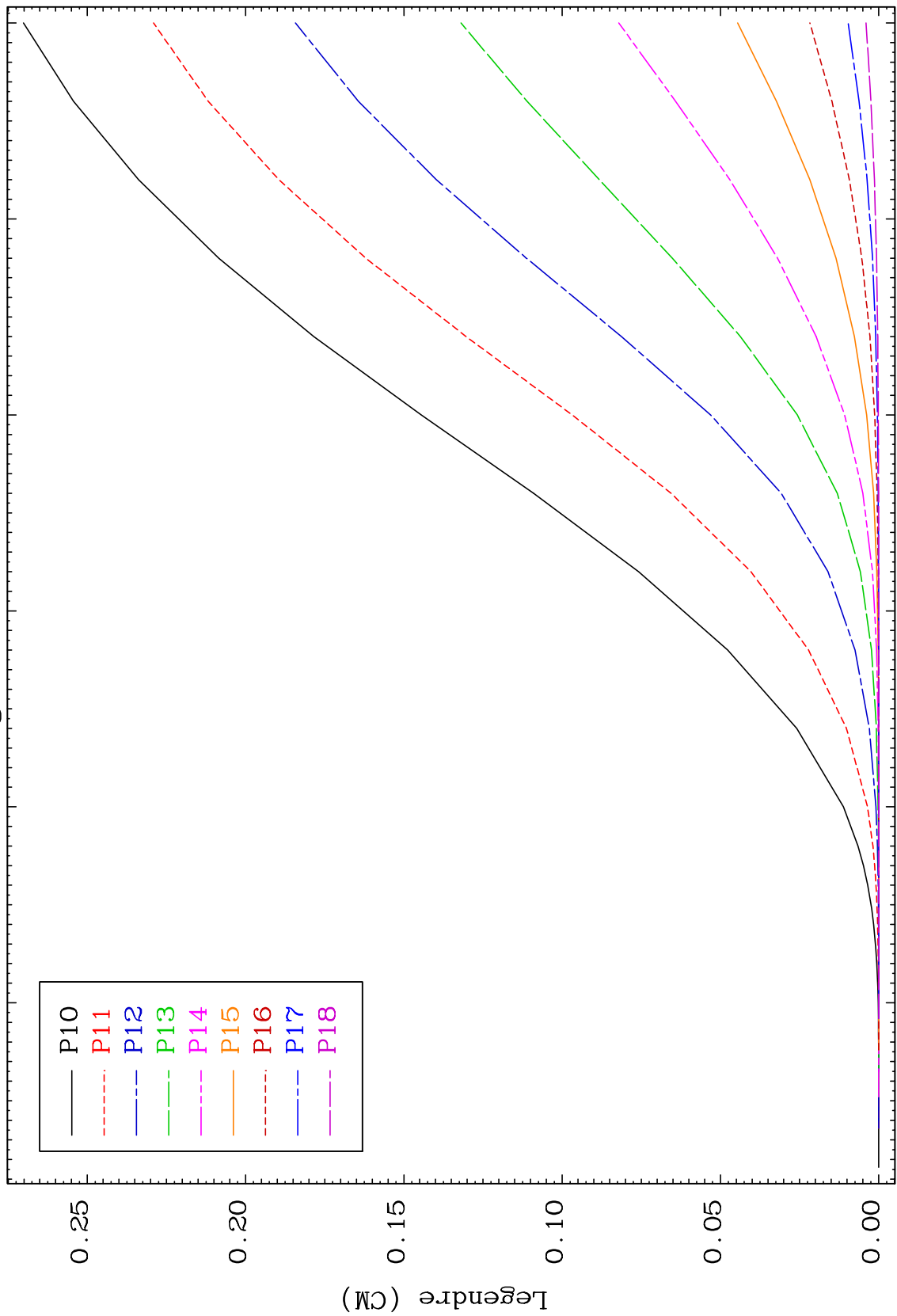
39-Y -83



MAT 3907

### Elastic Legendre Coefficients

39-Y -83



16

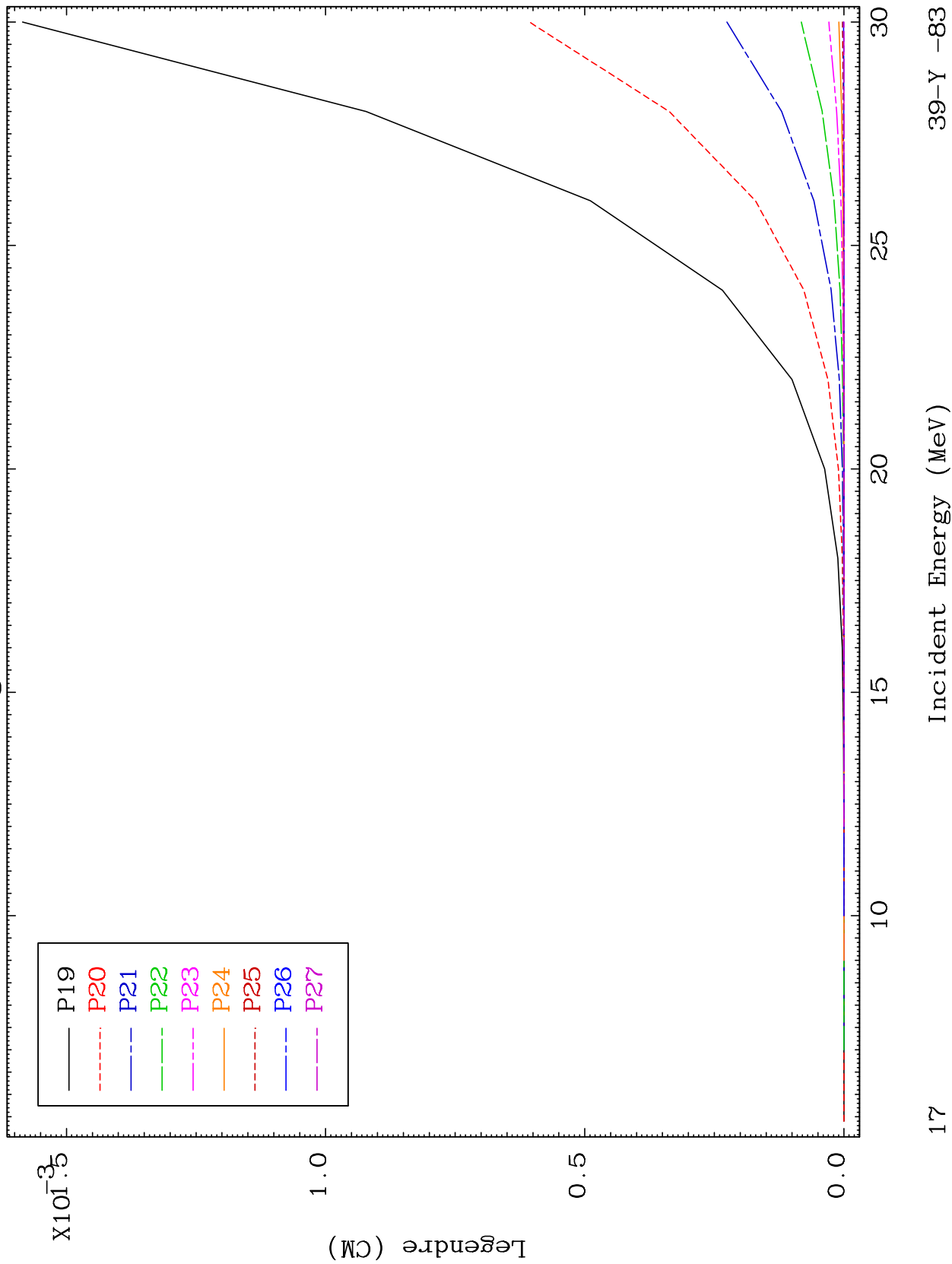
Incident Energy (MeV)

39-Y -83

MAT 3907

### Elastic Legendre Coefficients

39-Y -83



17

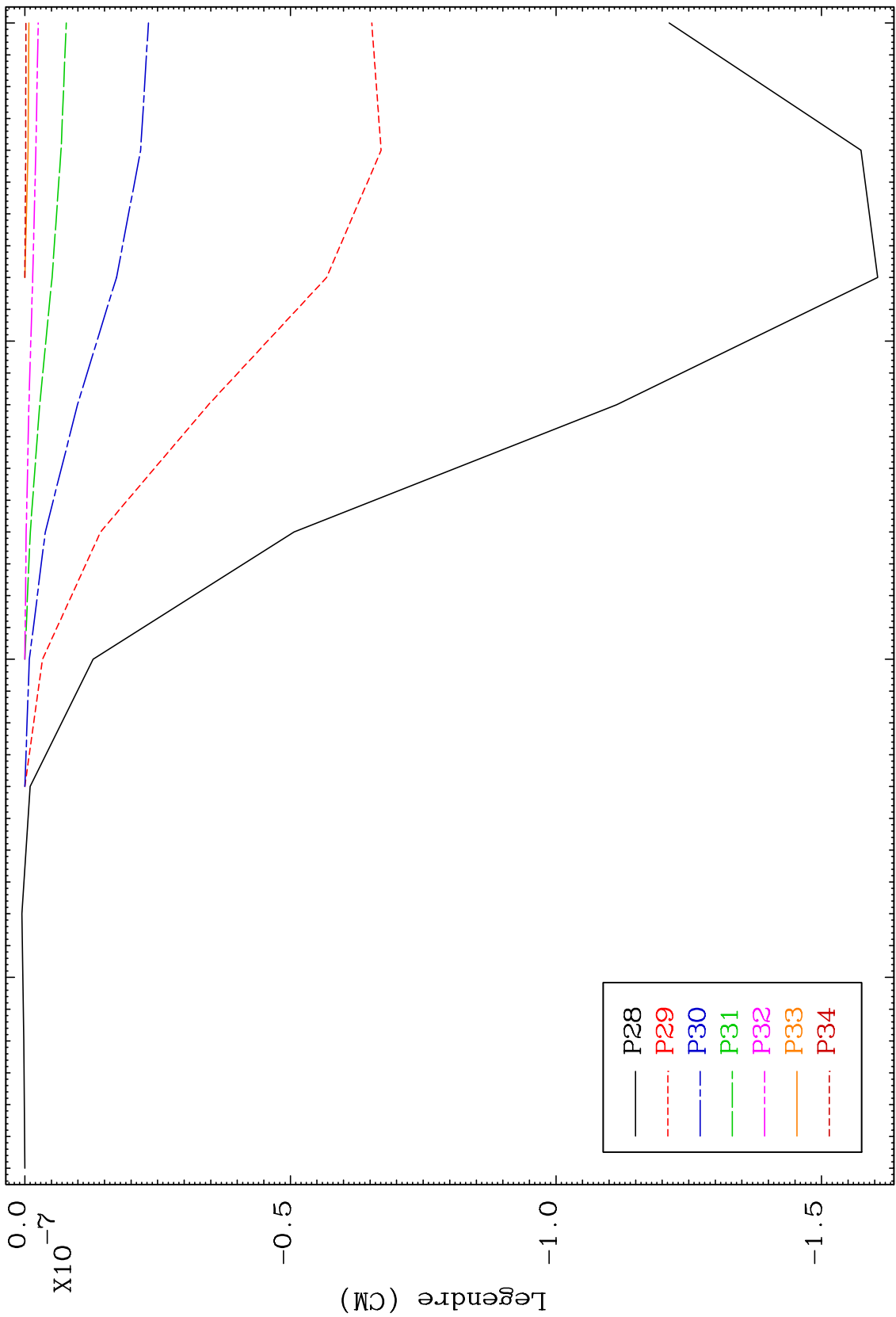
Incident Energy (MeV)

39-Y -83

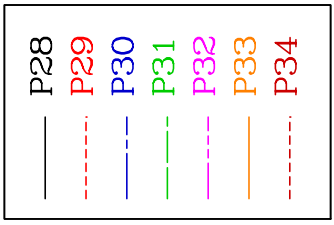
MAT 3907

39-Y -83

Elastic Legendre Coefficients



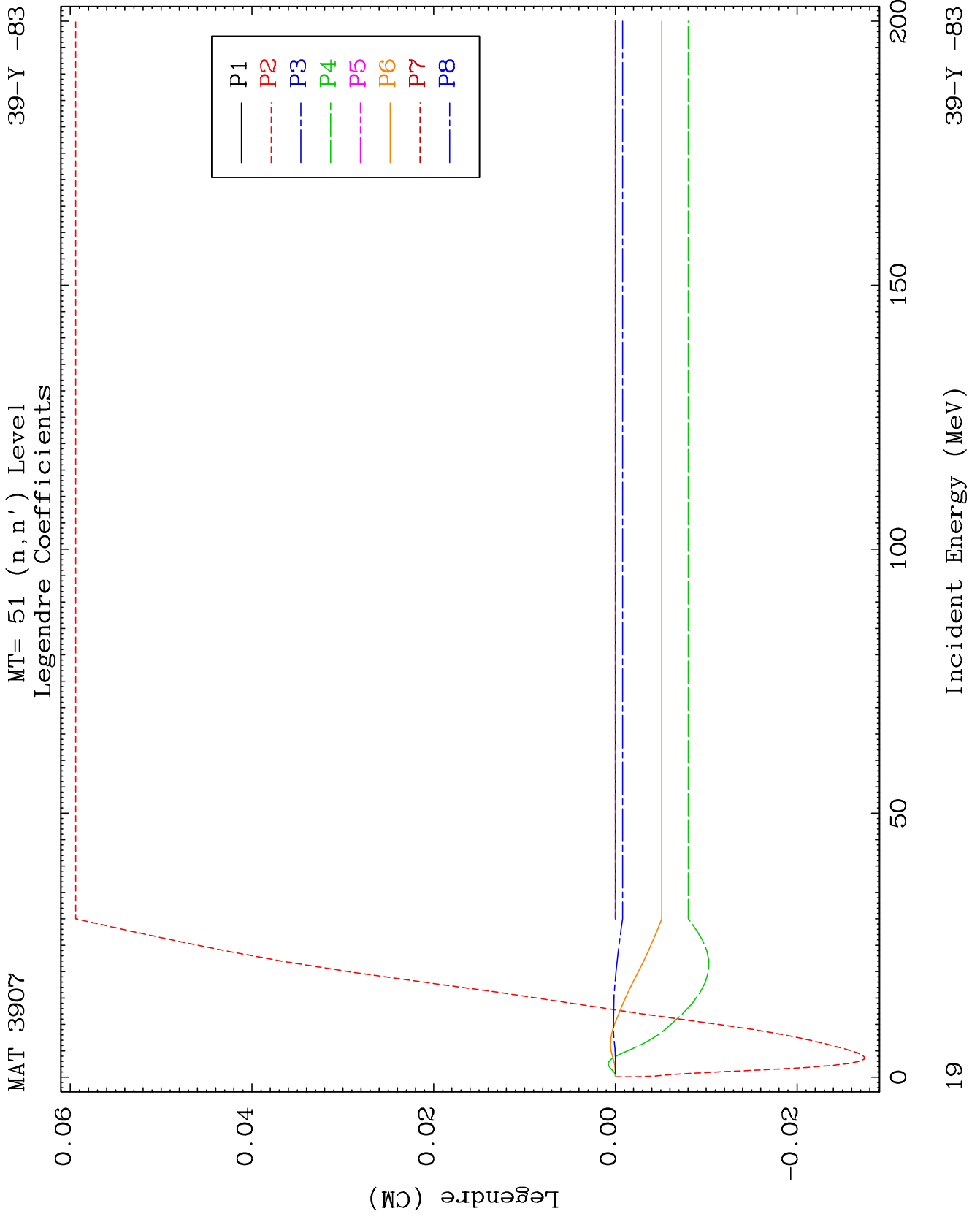
Legendre (CM)  
 $\times 10^{-7}$



18

Incident Energy (MeV)

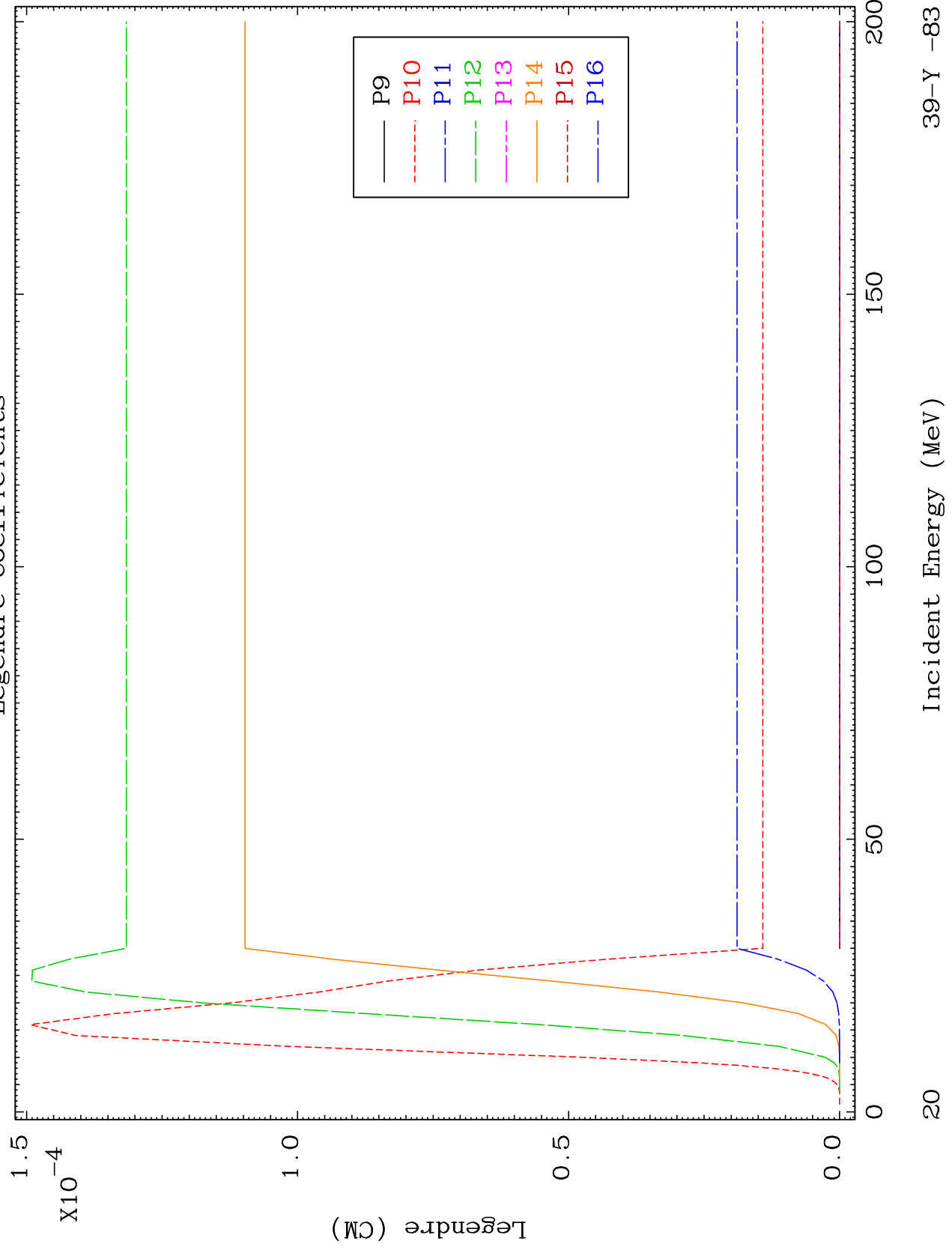
39-Y -83



MAT 3907

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

39-Y -83

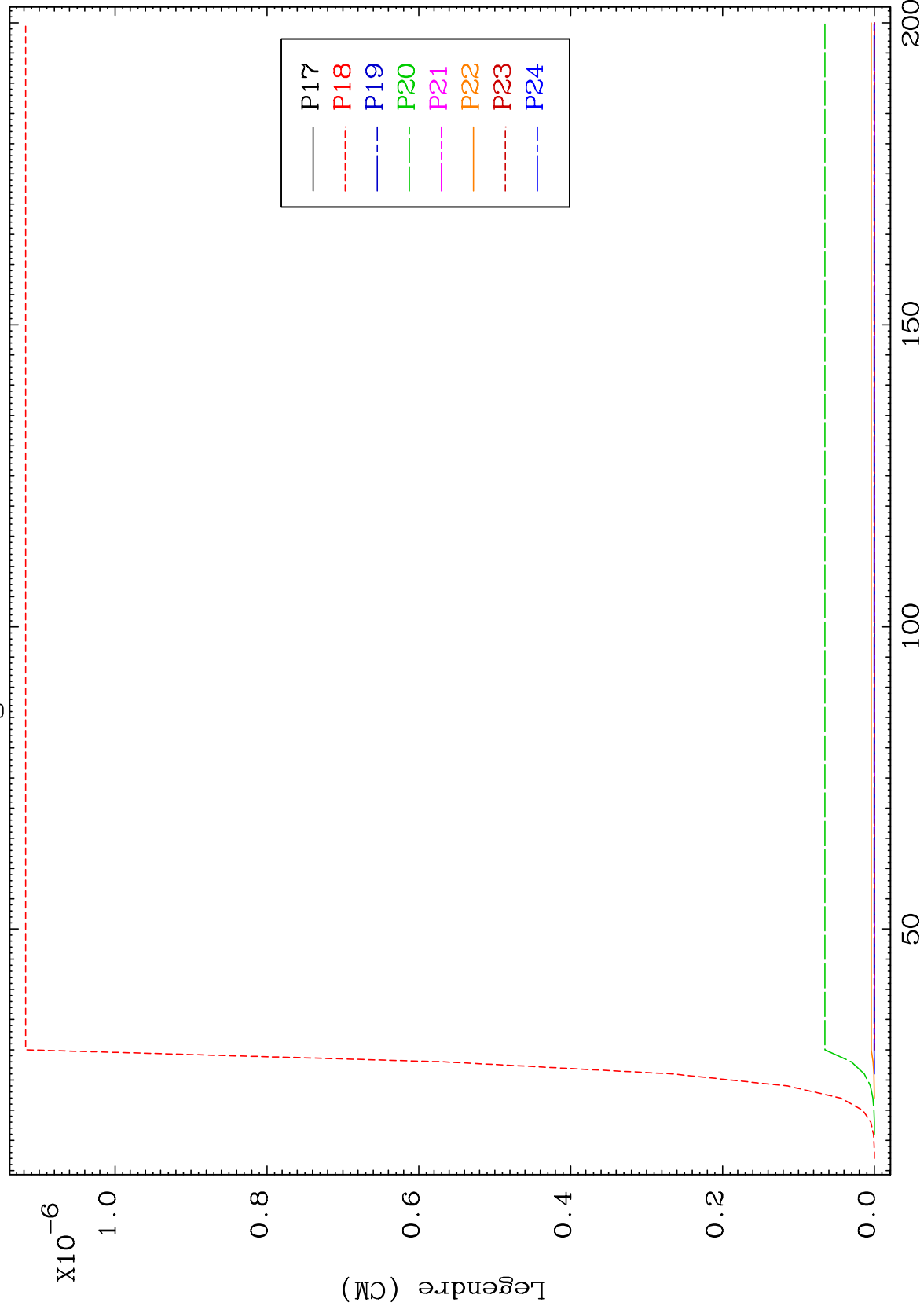


39-Y -83

MAT 3907

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

39-Y -83



21

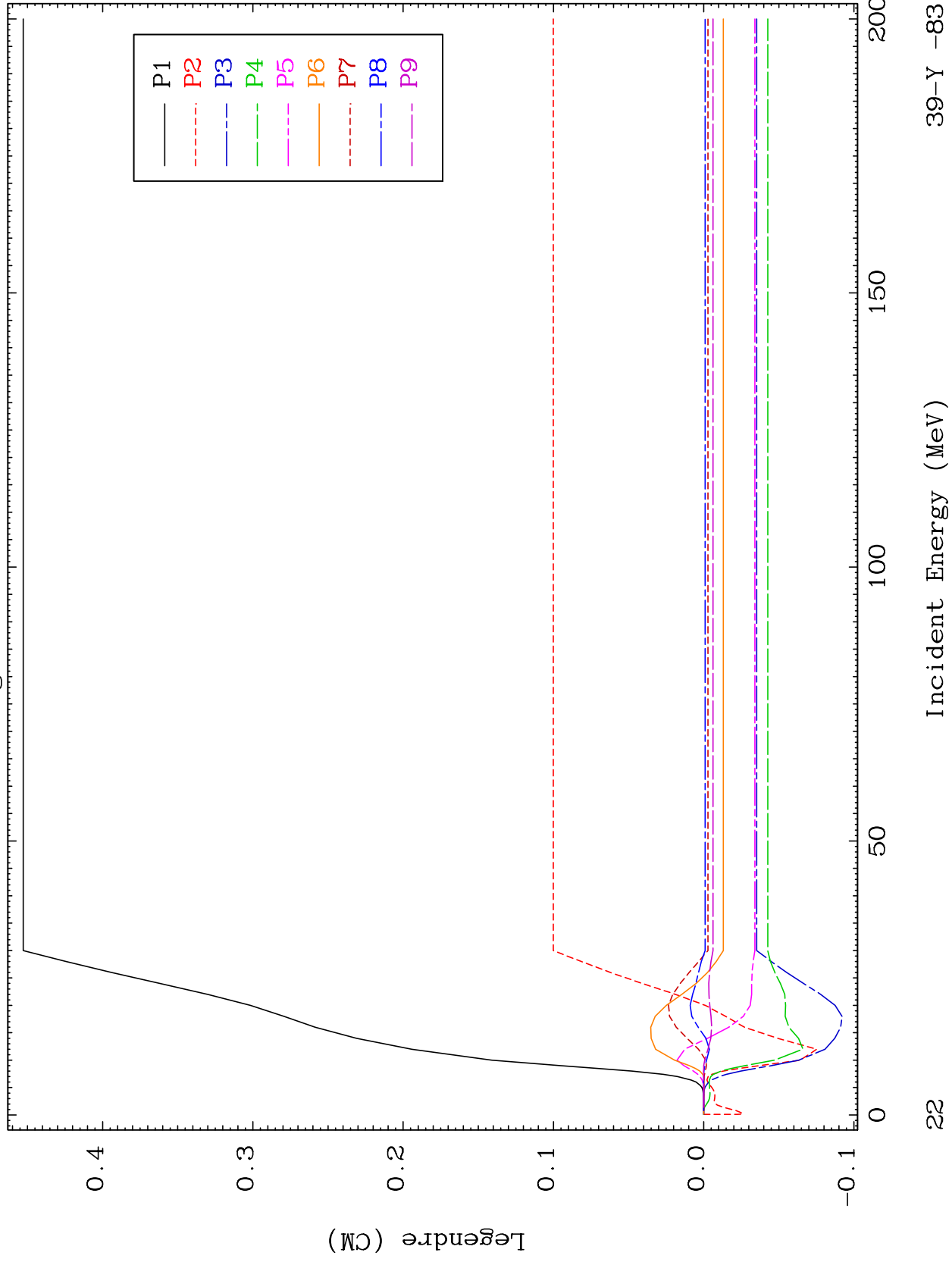
Incident Energy (MeV)

39-Y -83

MAT 3907

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

39-Y -83



39-Y -83

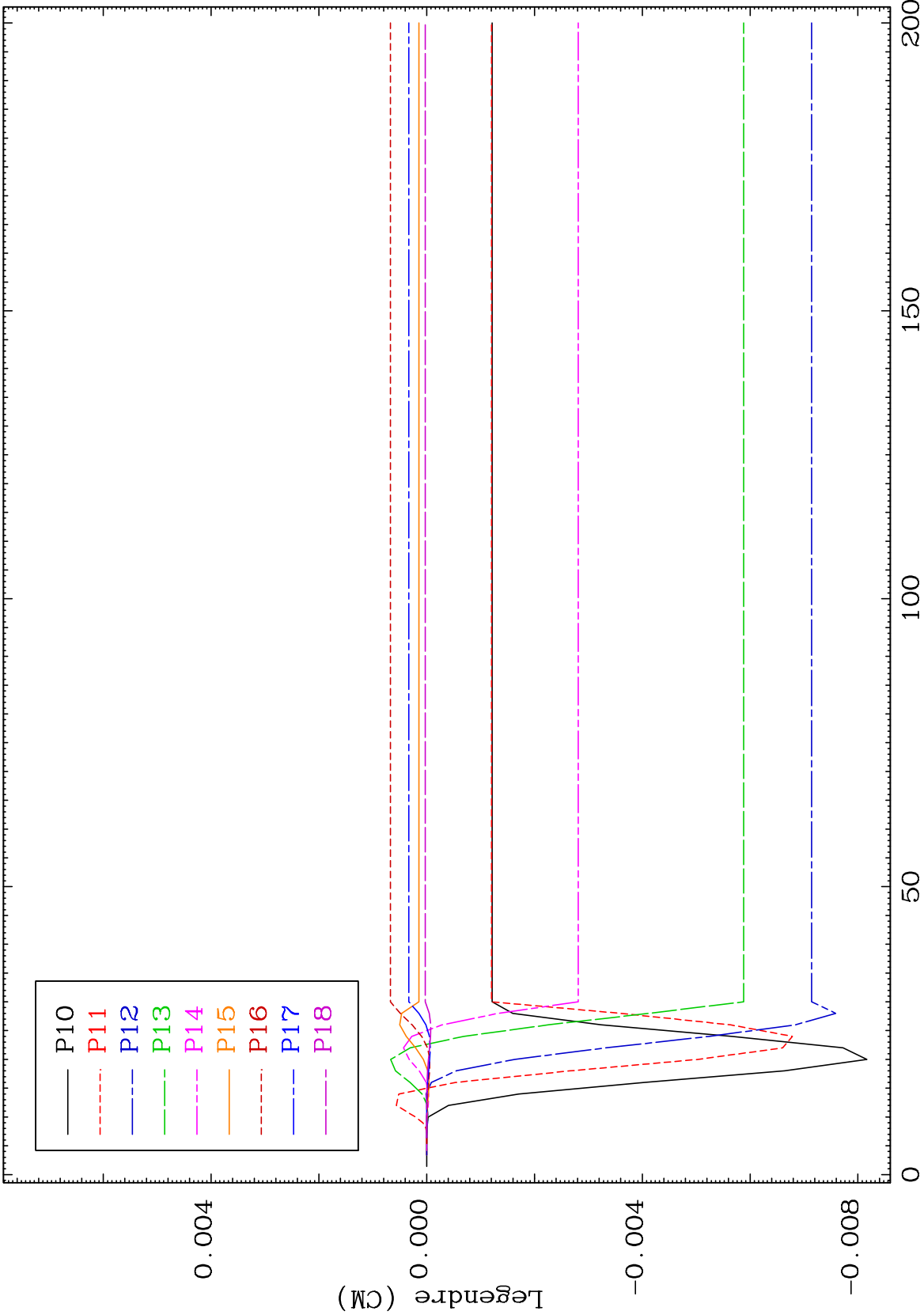
Incident Energy (MeV)

22

MAT 3907

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

39-Y -83



23

Incident Energy (MeV)

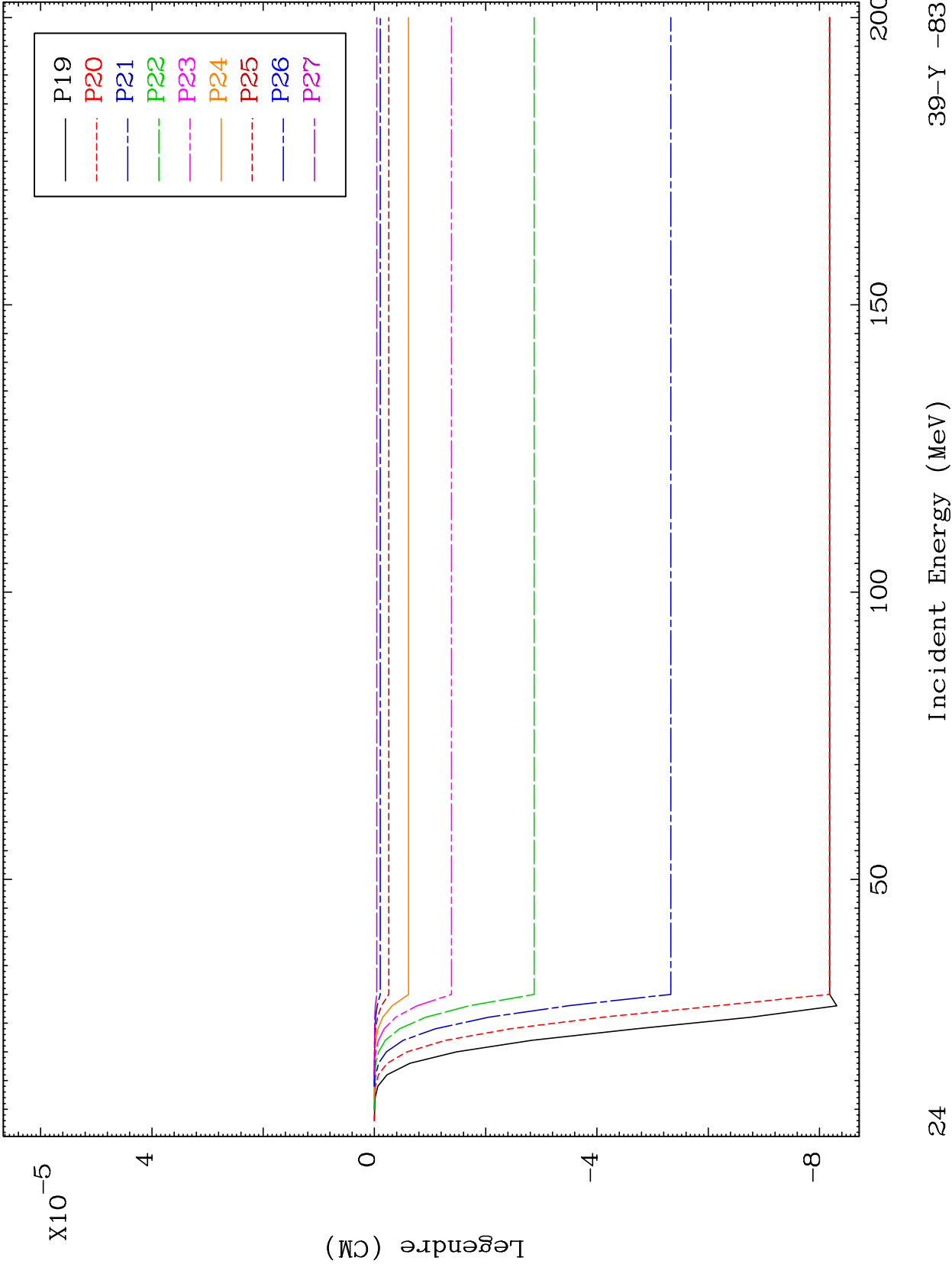
39-Y -83



MAT 3907

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

39-Y -83

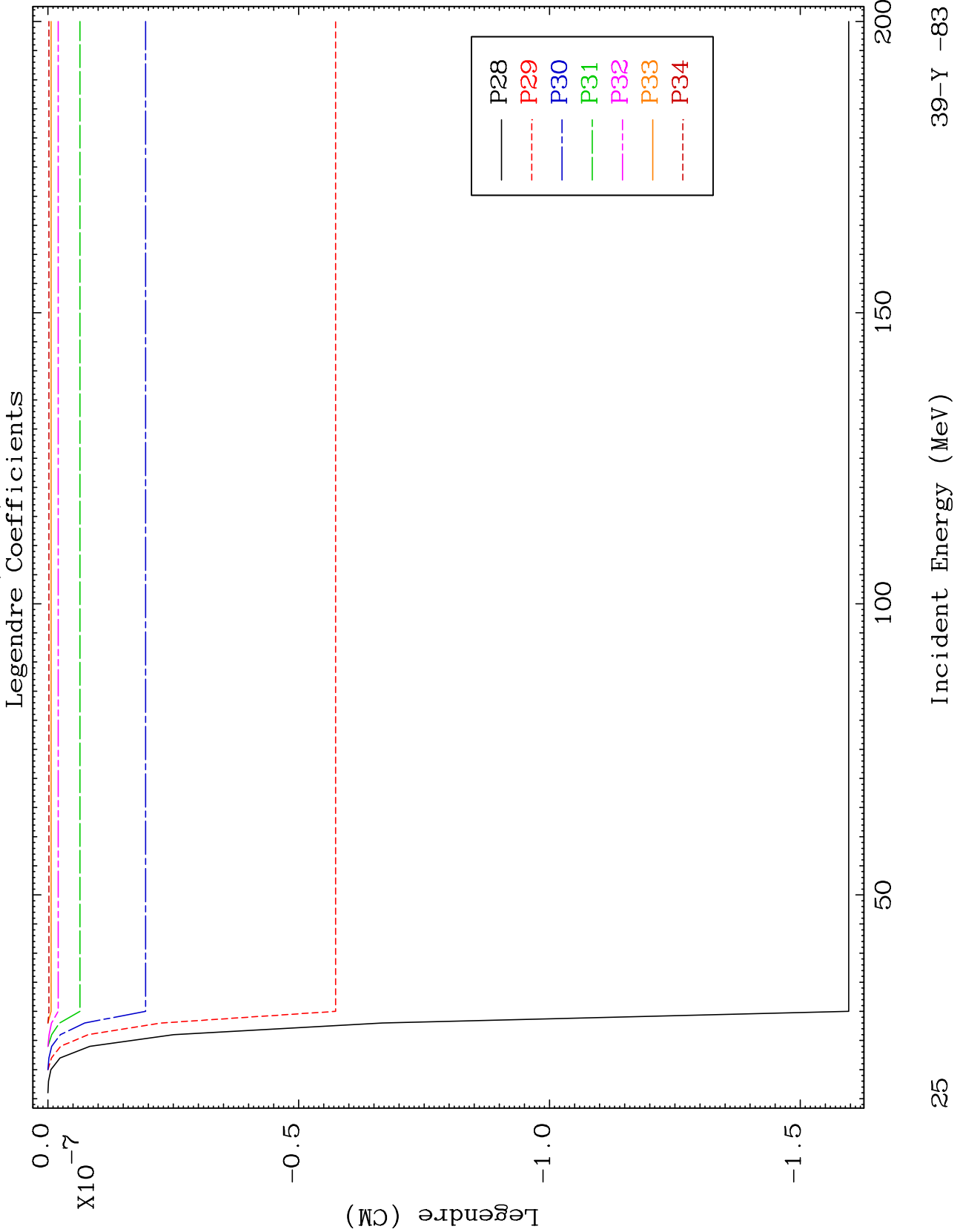


24

Incident Energy (MeV)

39-Y -83

MAT 3907 MT= 52 (n,n') Level 39-Y -83

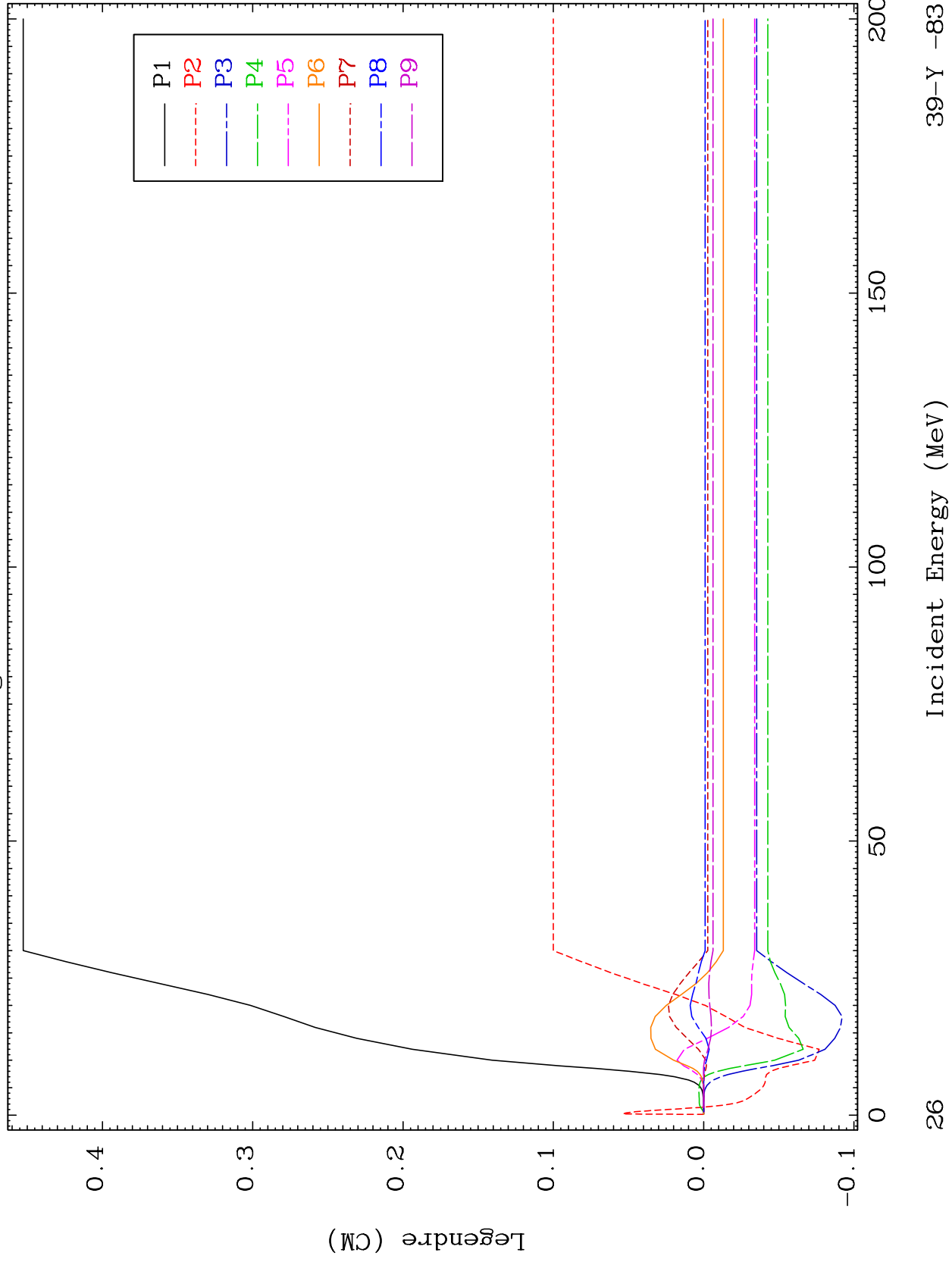


25 50 100 150 200 39-Y -83

MAT 3907

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

39-Y -83



26

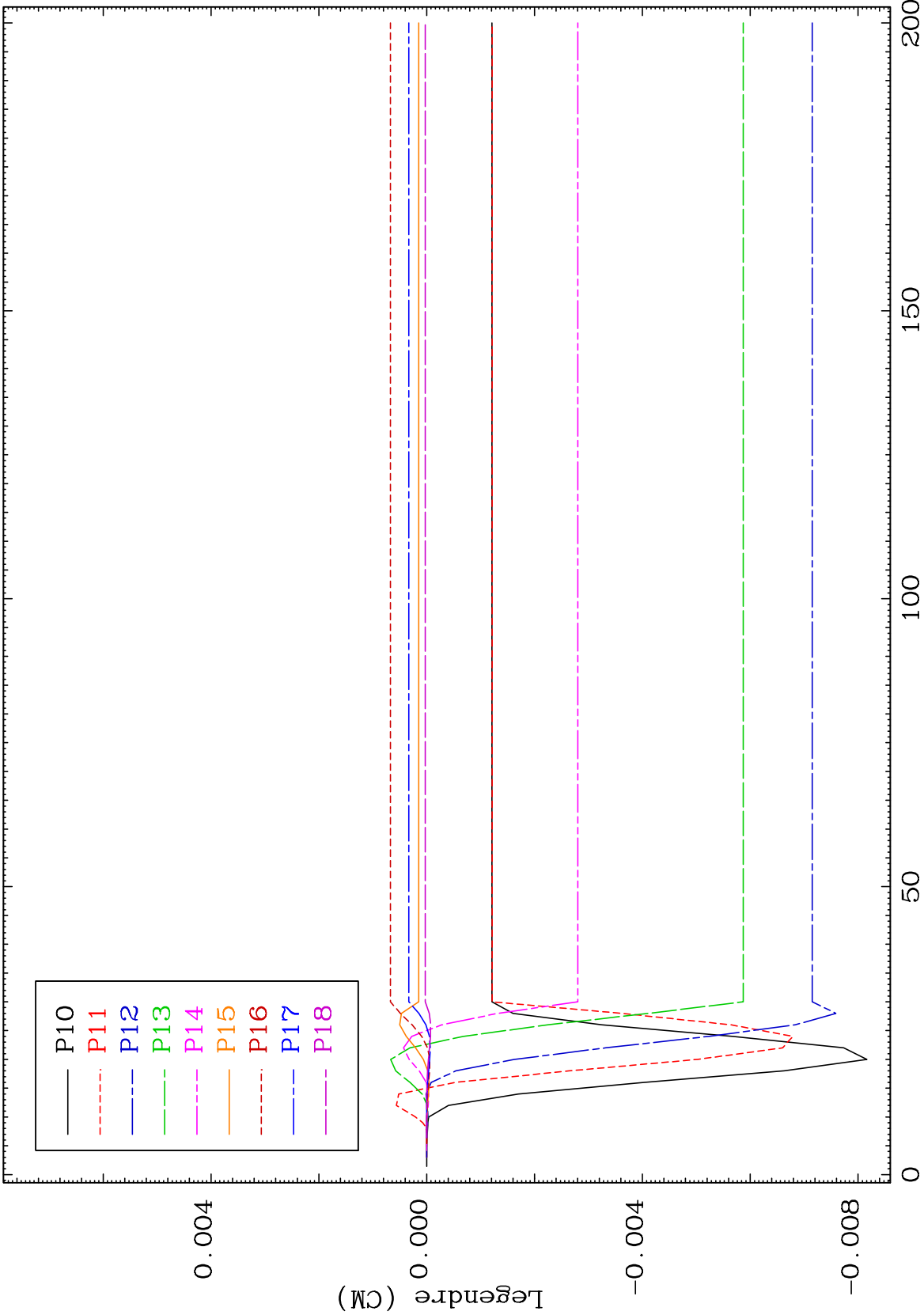
Incident Energy (MeV)

39-Y -83

MAT 3907

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

39-Y -83



27

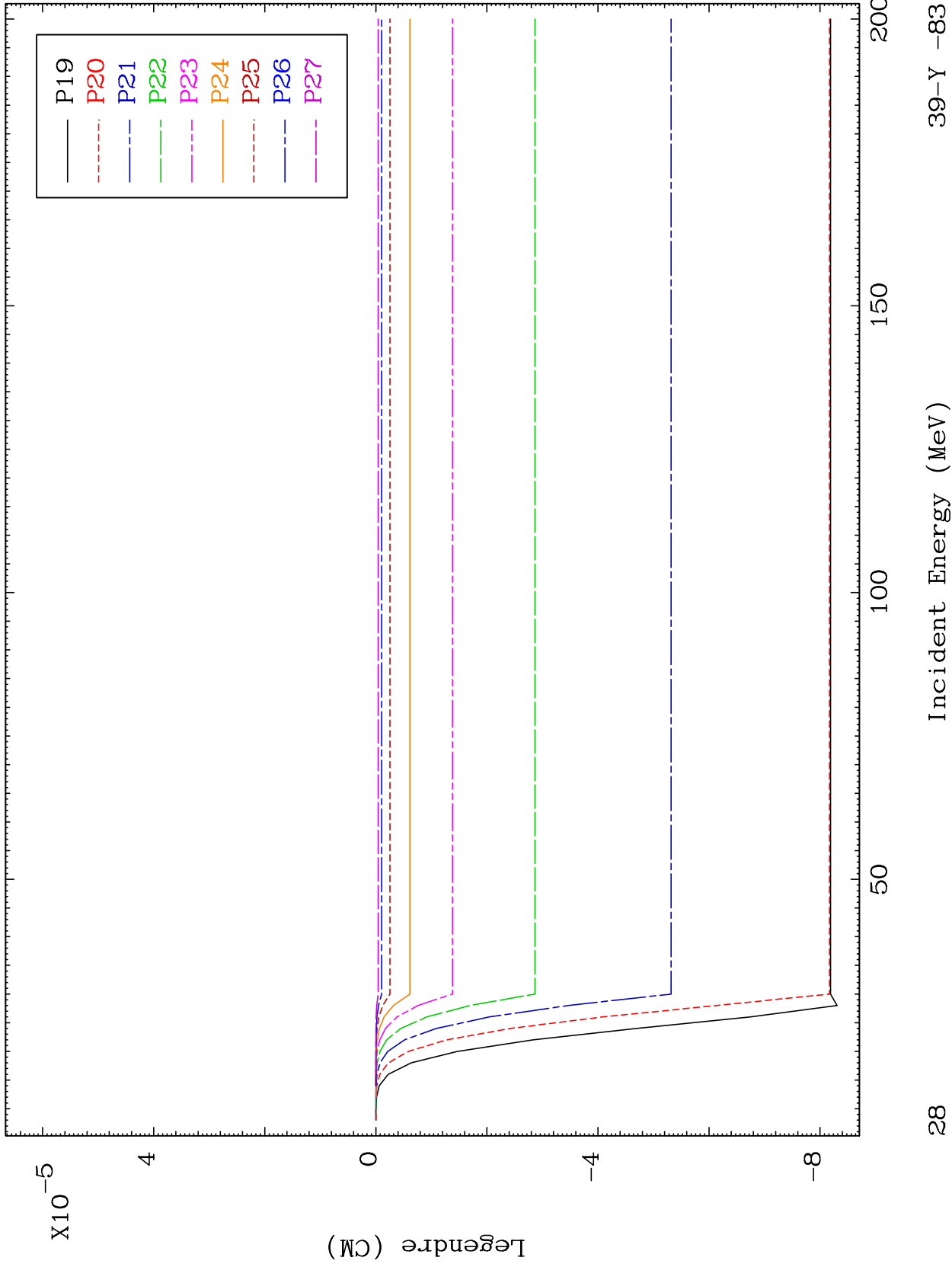
Incident Energy (MeV)

39-Y -83

MAT 3907

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

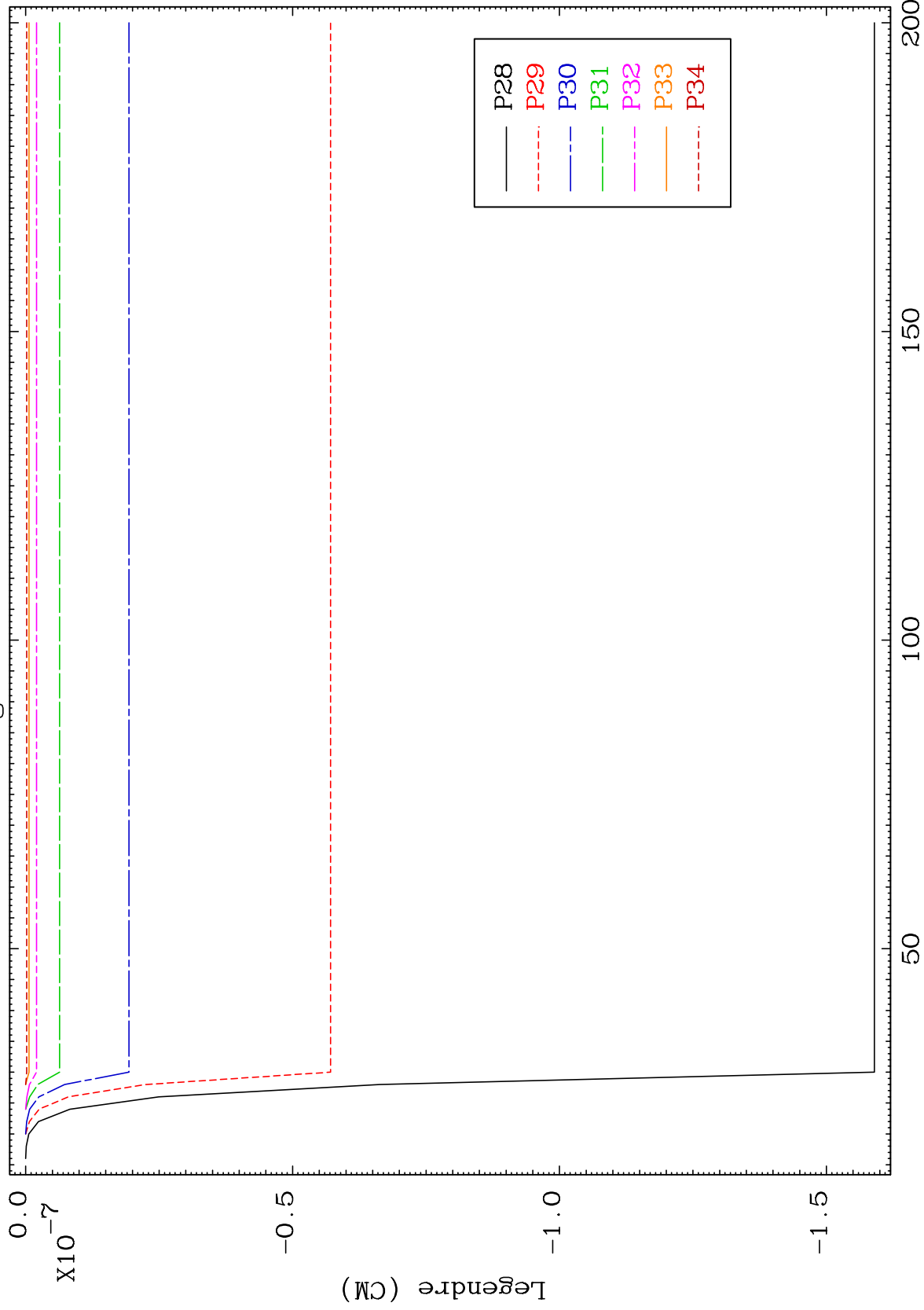
39-Y -83



MAT 3907

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

39-Y -83



29

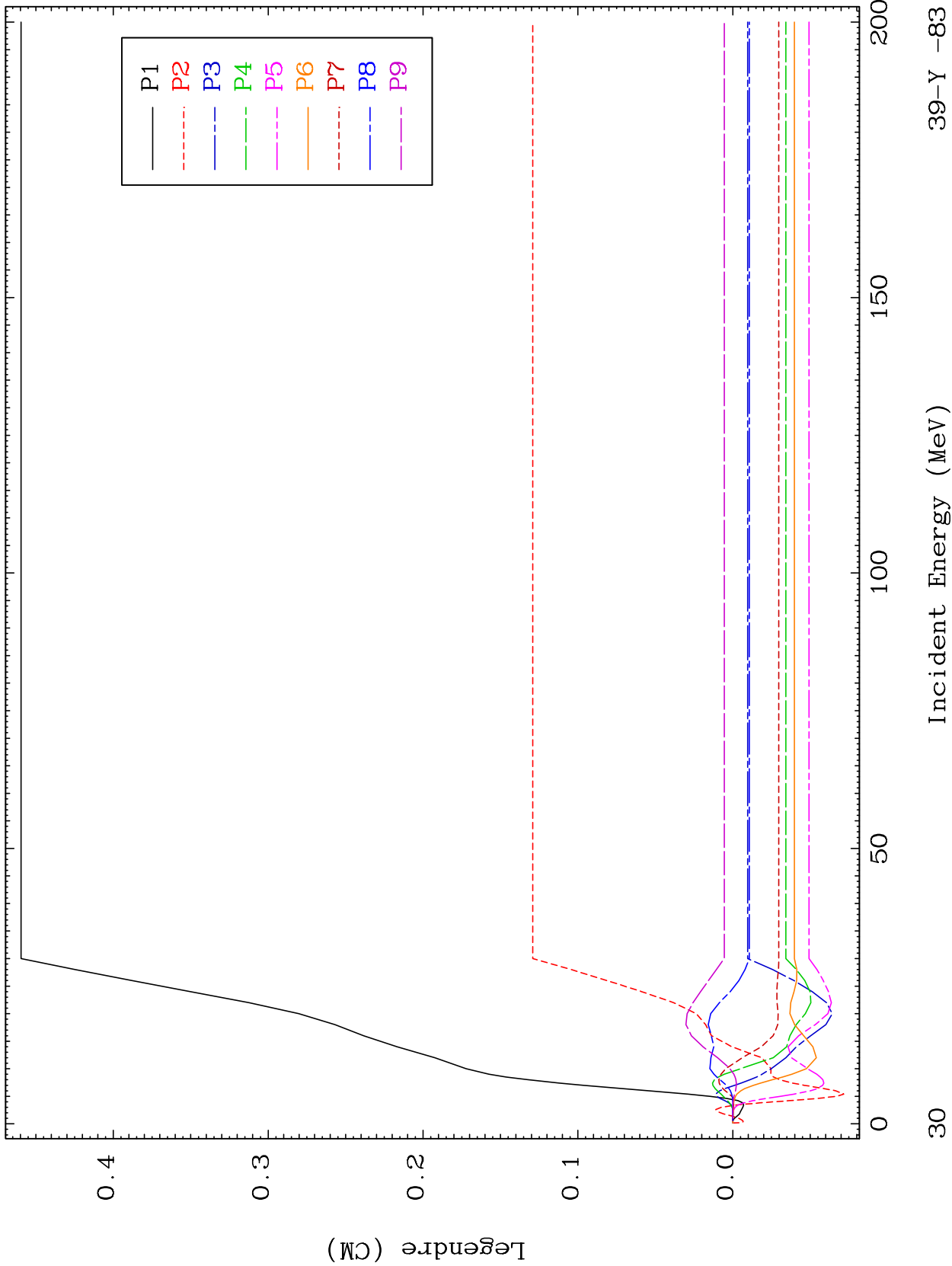
Incident Energy (MeV)

39-Y -83

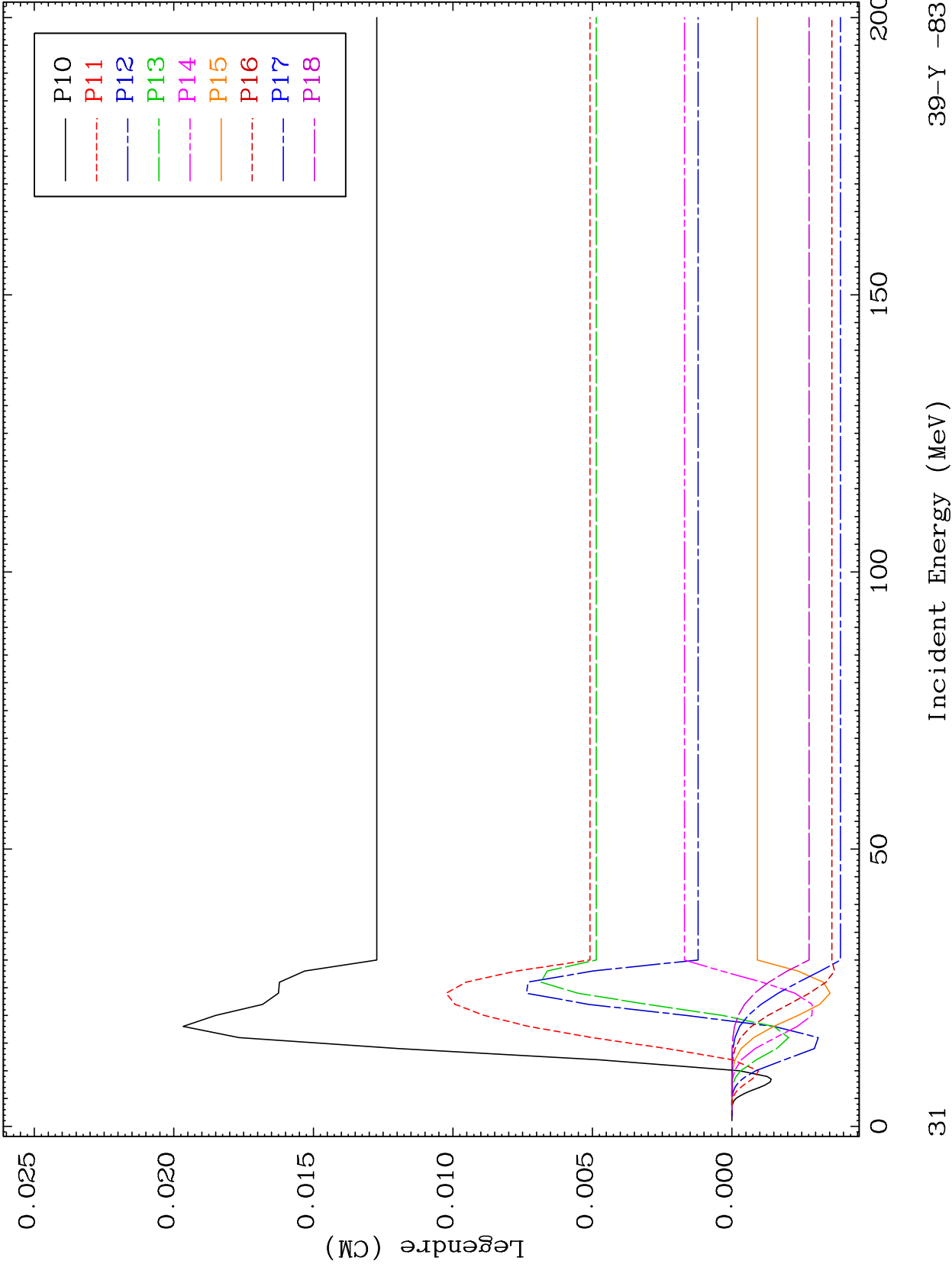
MAT 3907

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

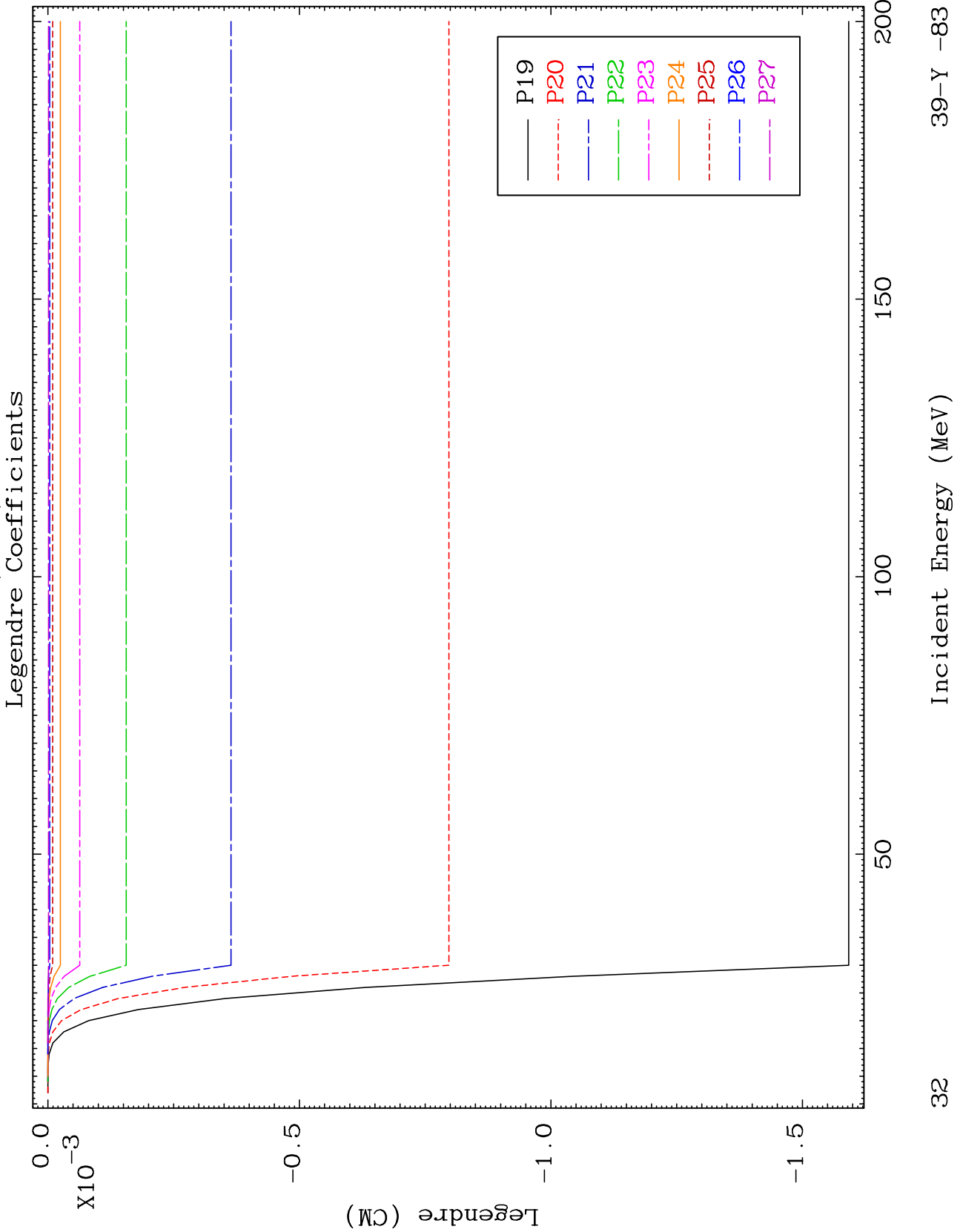
39-Y -83



39-Y -83



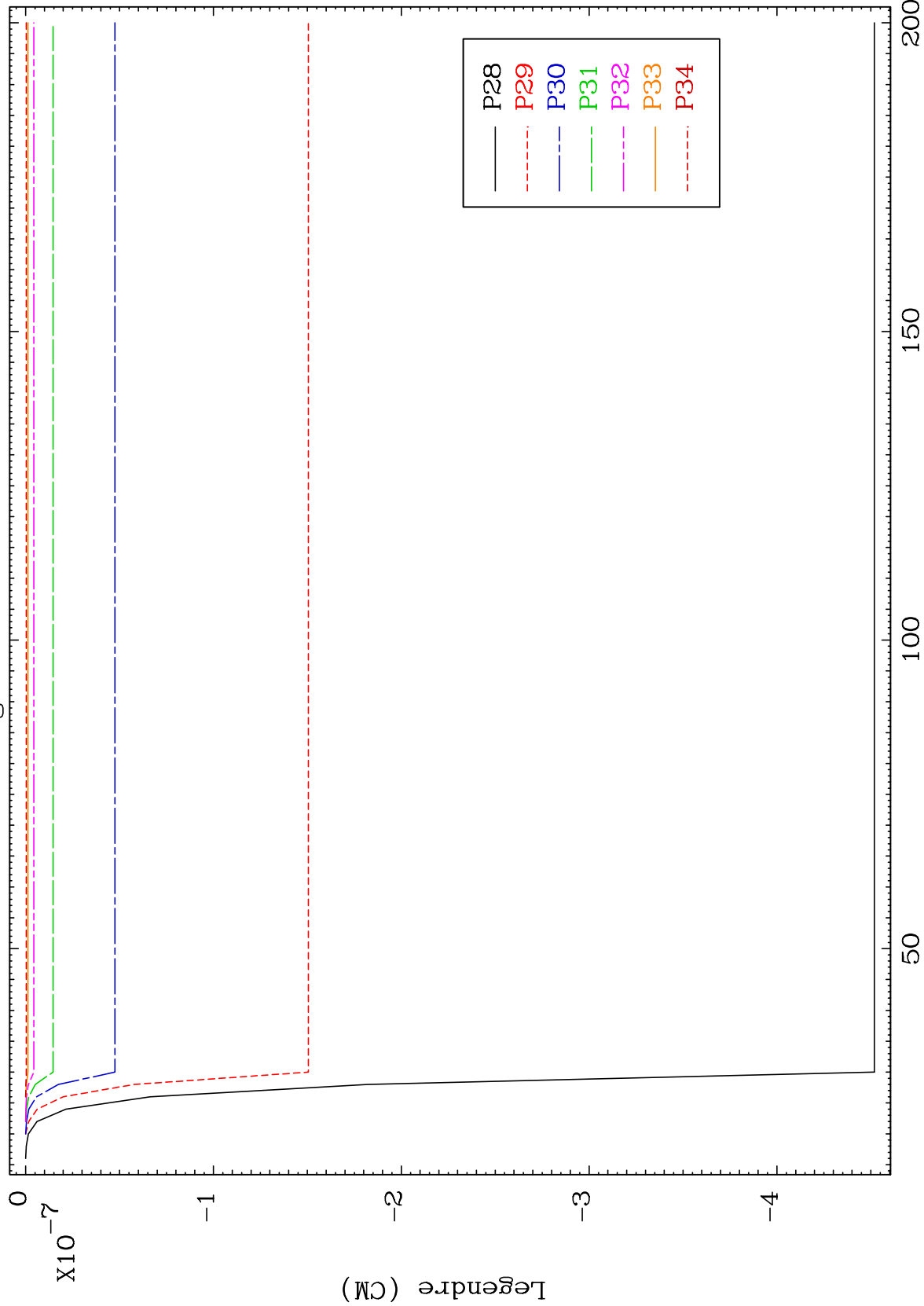




MAT 3907

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

39-Y -83



33

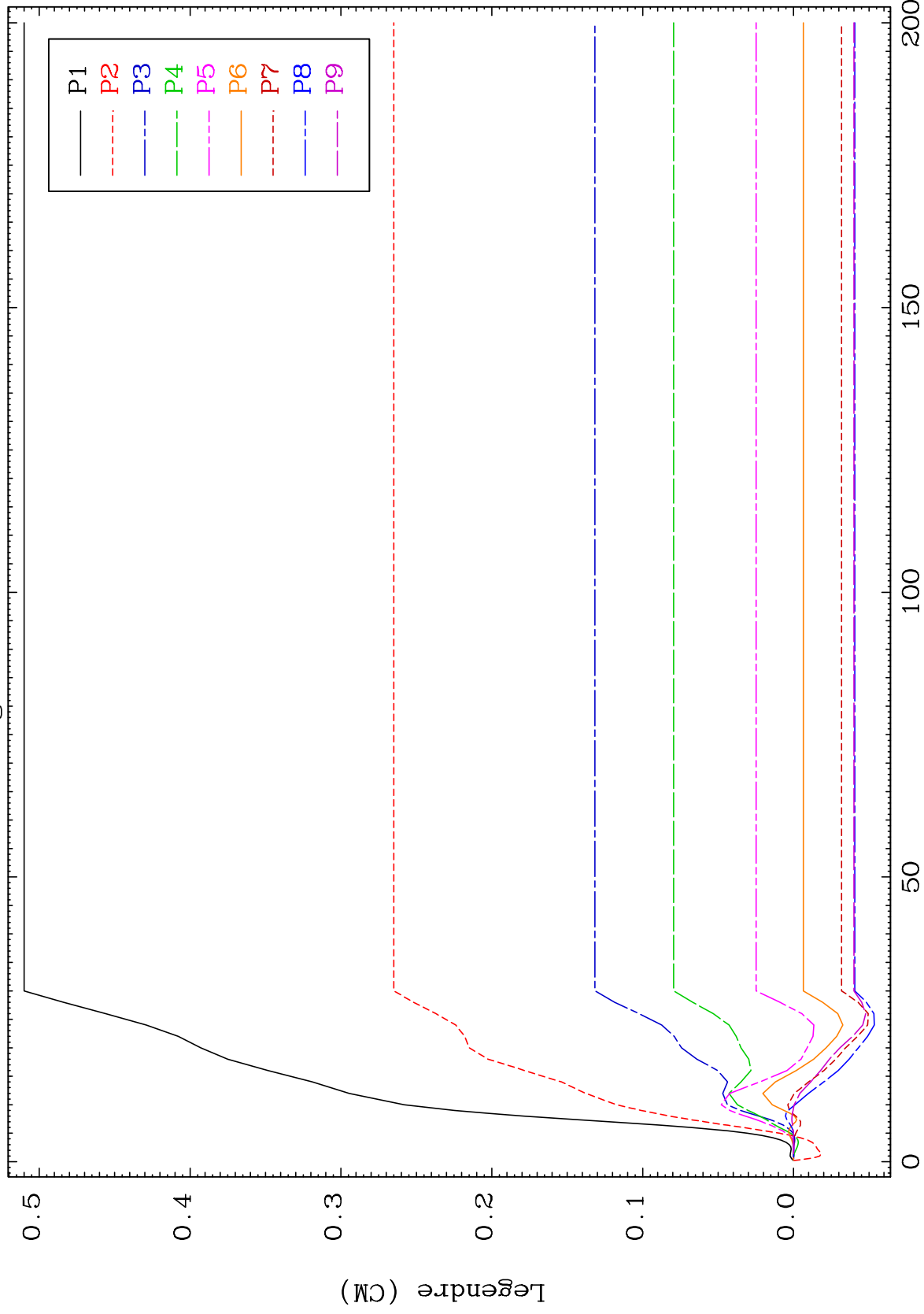
Incident Energy (MeV)

39-Y -83

MAT 3907

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

39-Y -83



34

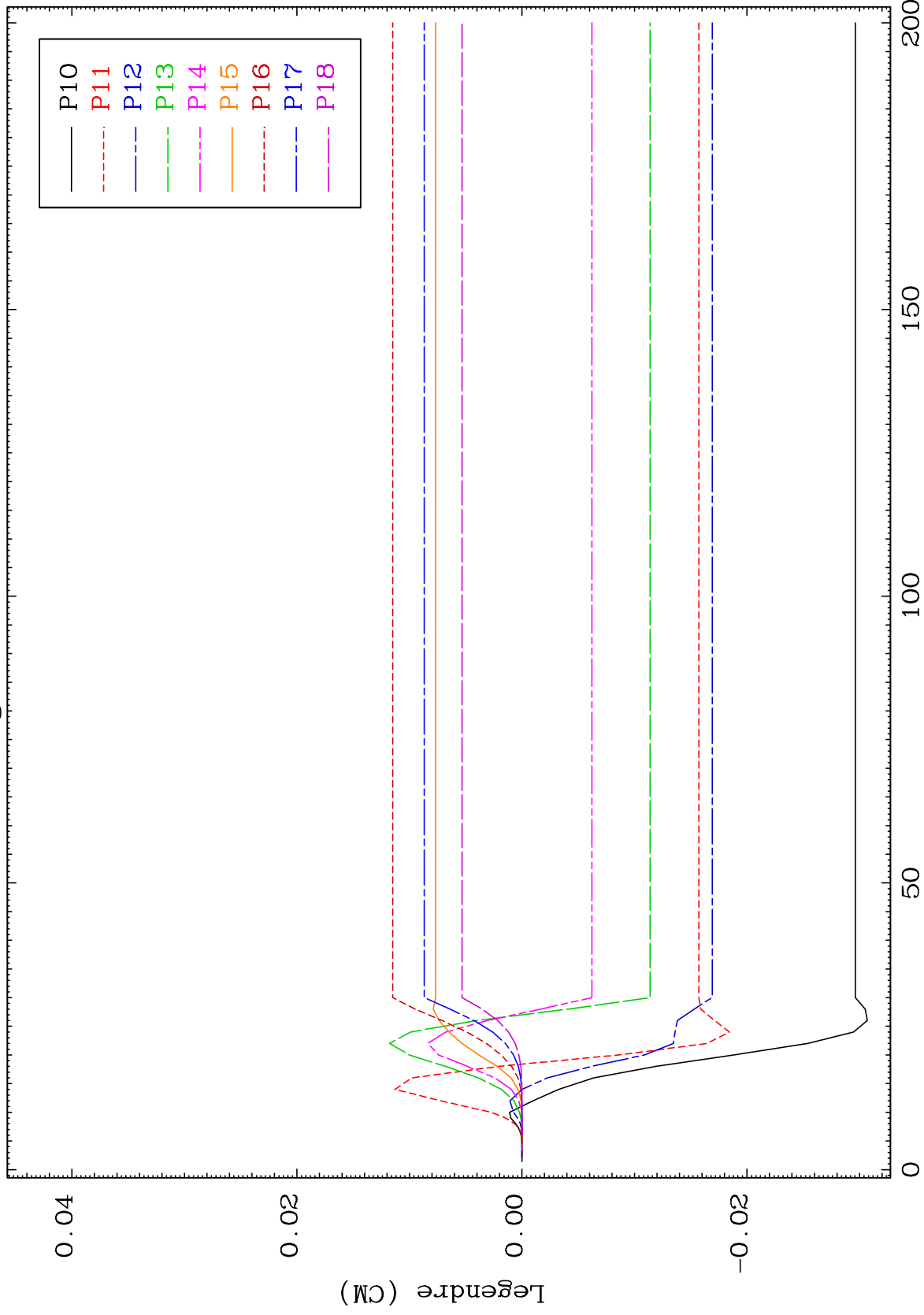
Incident Energy (MeV)

39-Y -83

MAT 3907

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

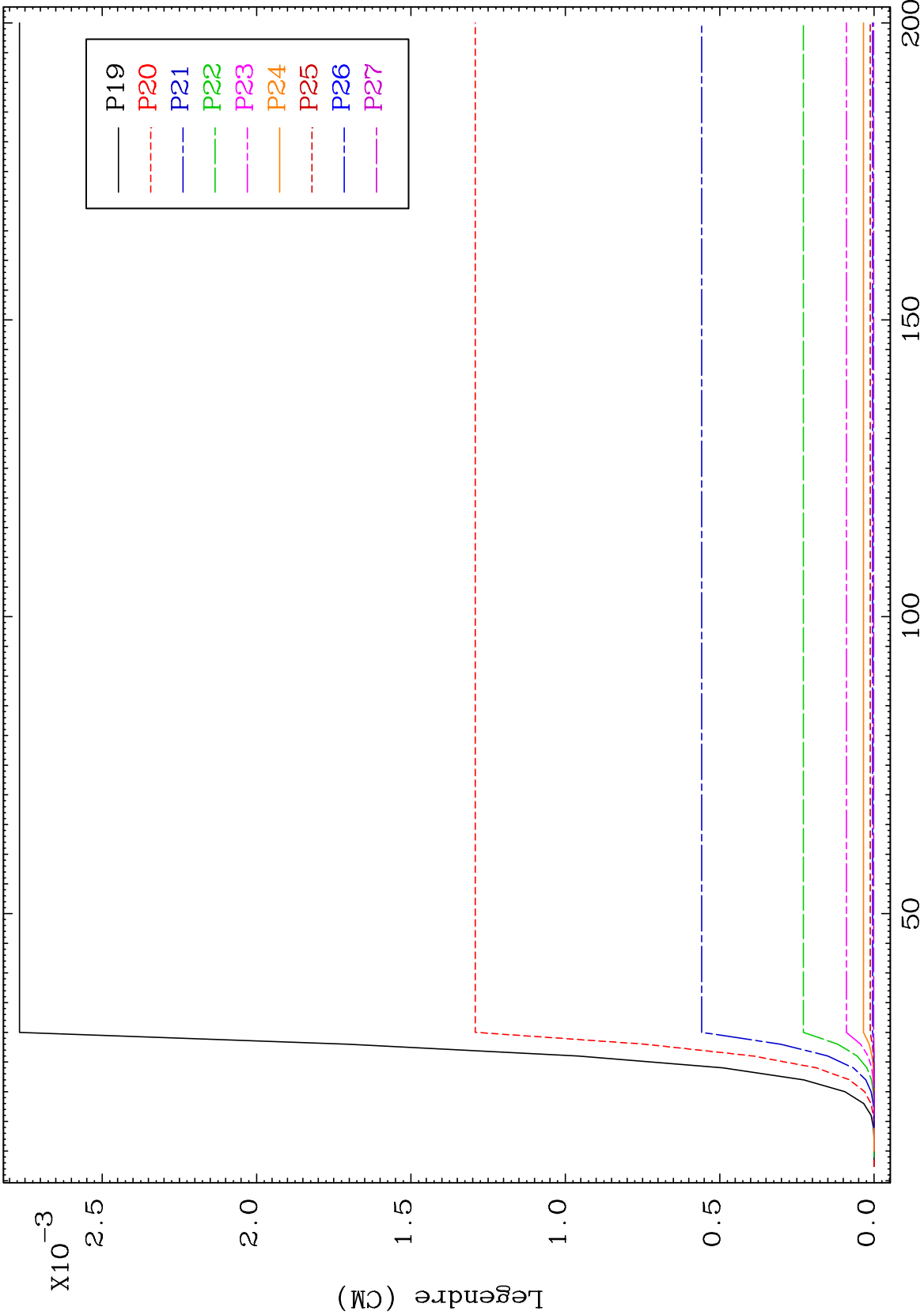
39-Y -83



35

Incident Energy (MeV)

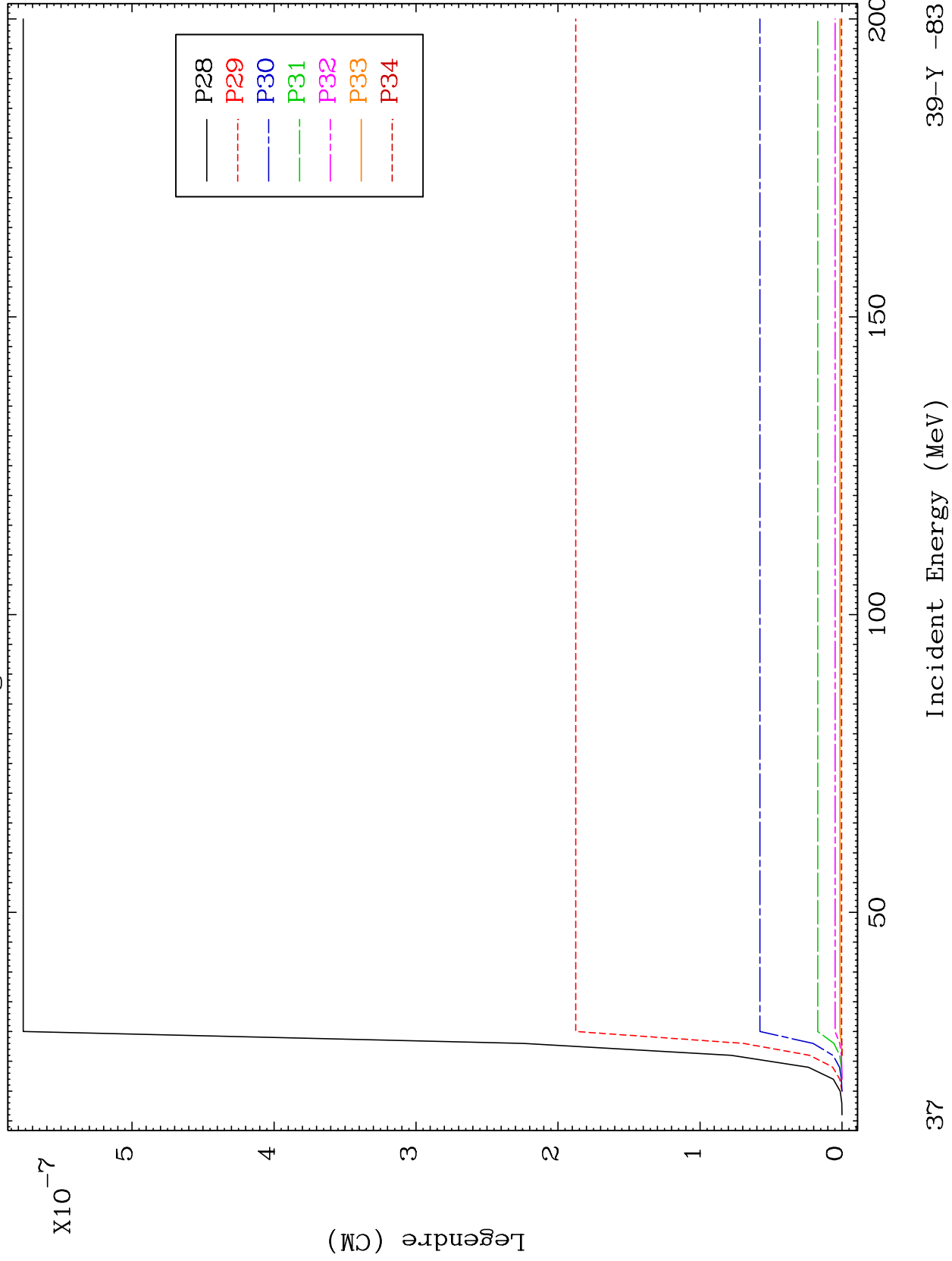
39-Y -83



MAT 3907

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

39-Y -83



37

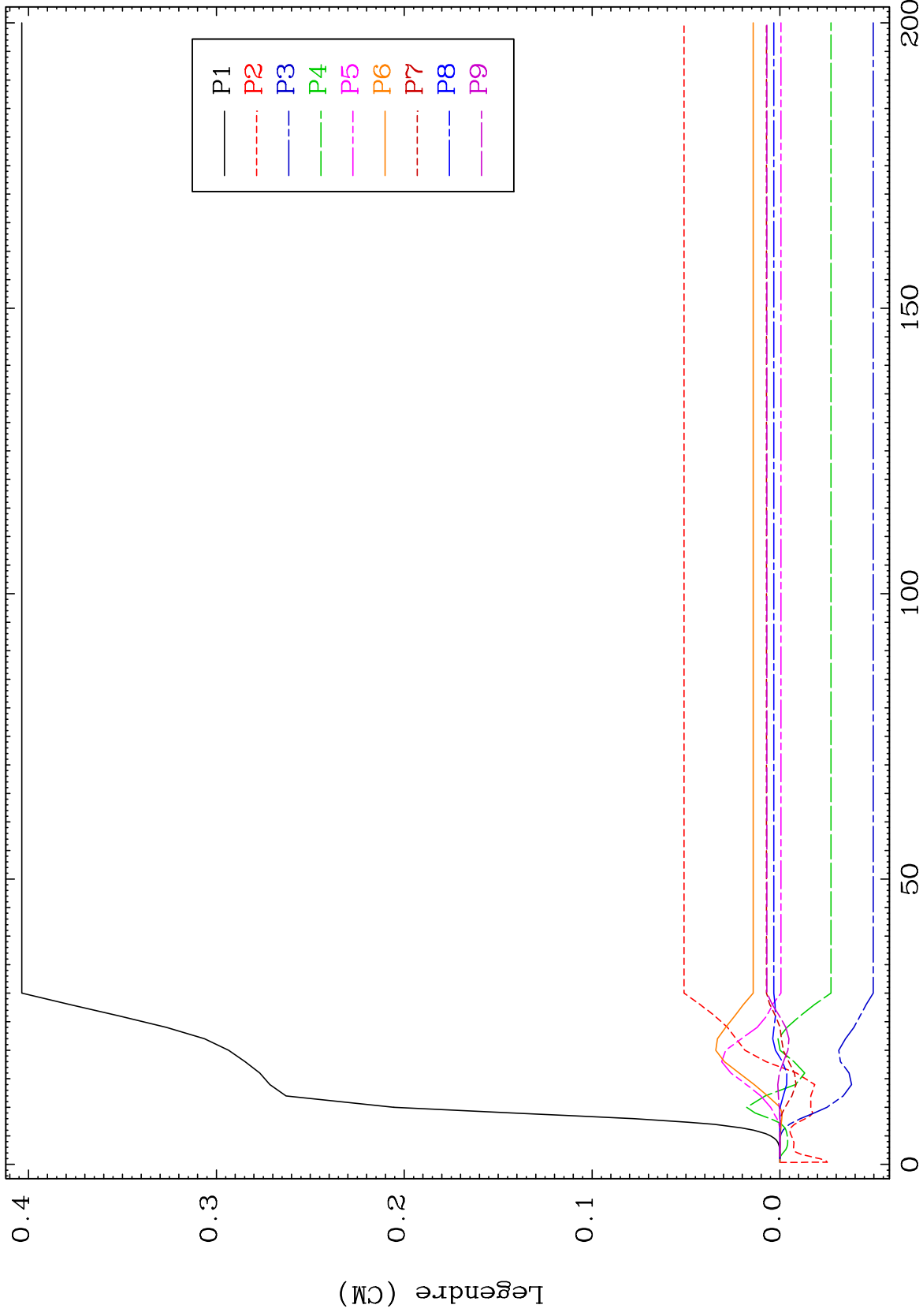
Incident Energy (MeV)

39-Y -83

MAT 3907

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

39-Y -83



38

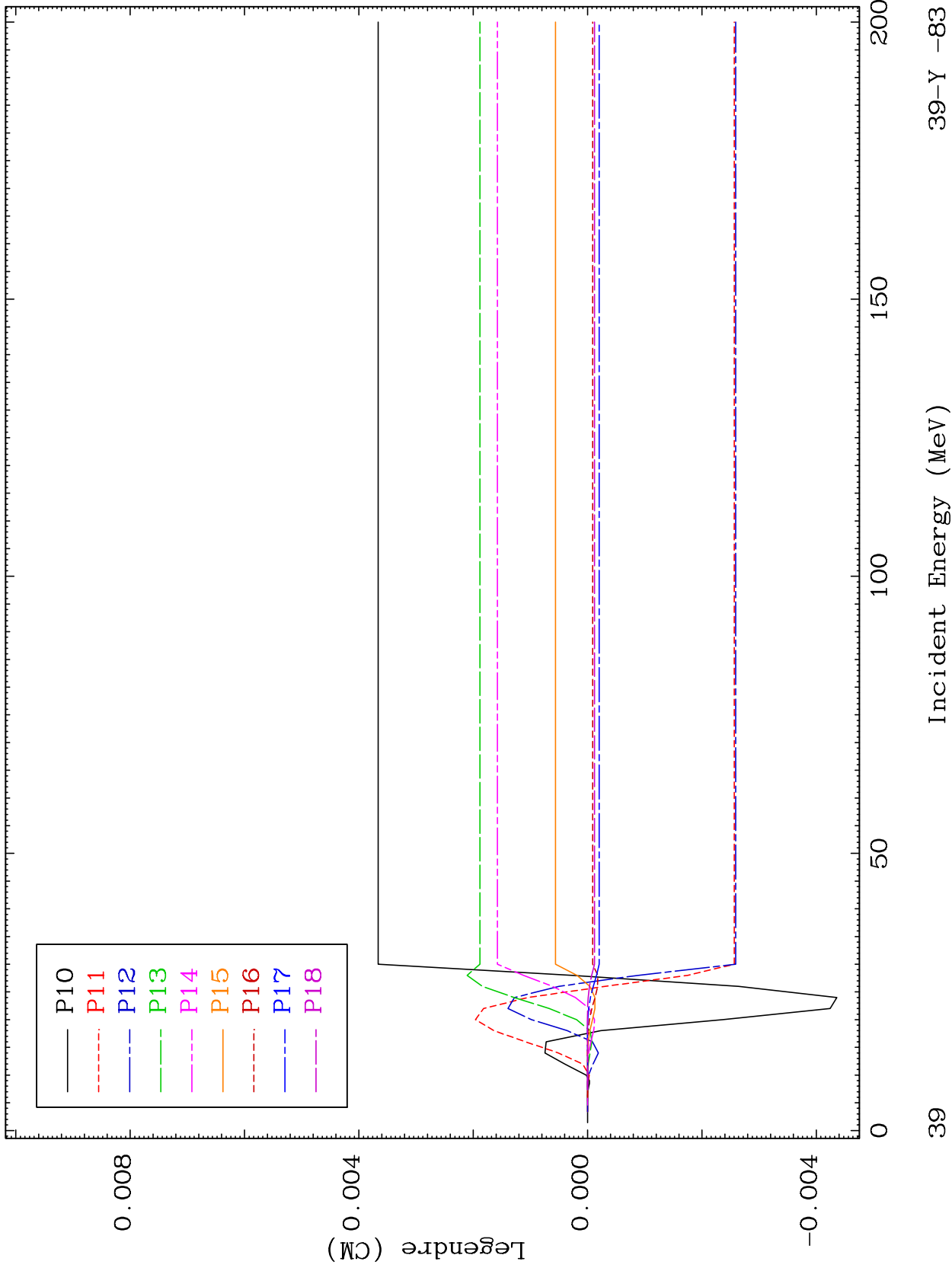
Incident Energy (MeV)

39-Y -83

MAT 3907

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

39-Y -83



39

Incident Energy (MeV)

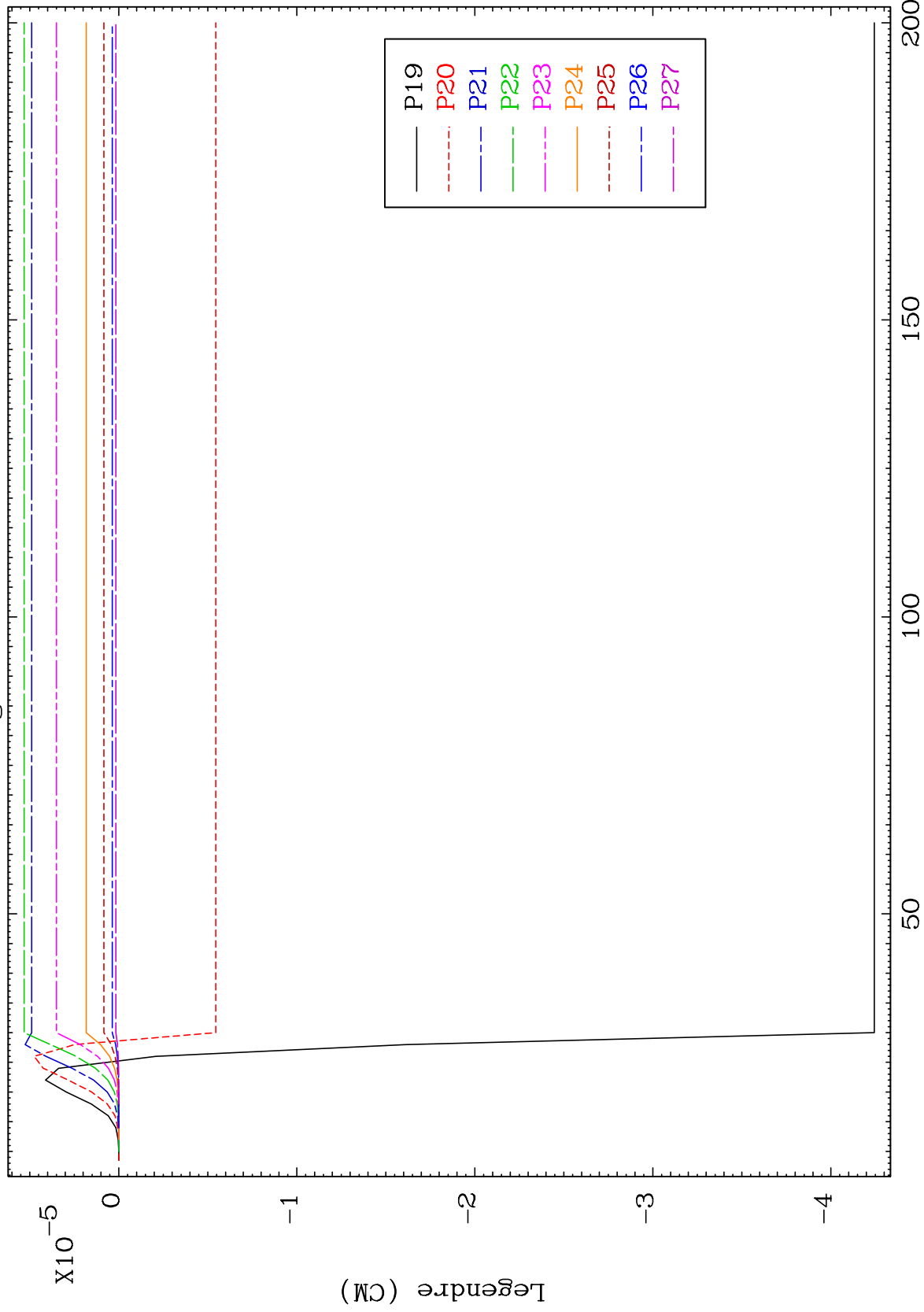
39-Y -83



MAT 3907

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

39-Y -83



40

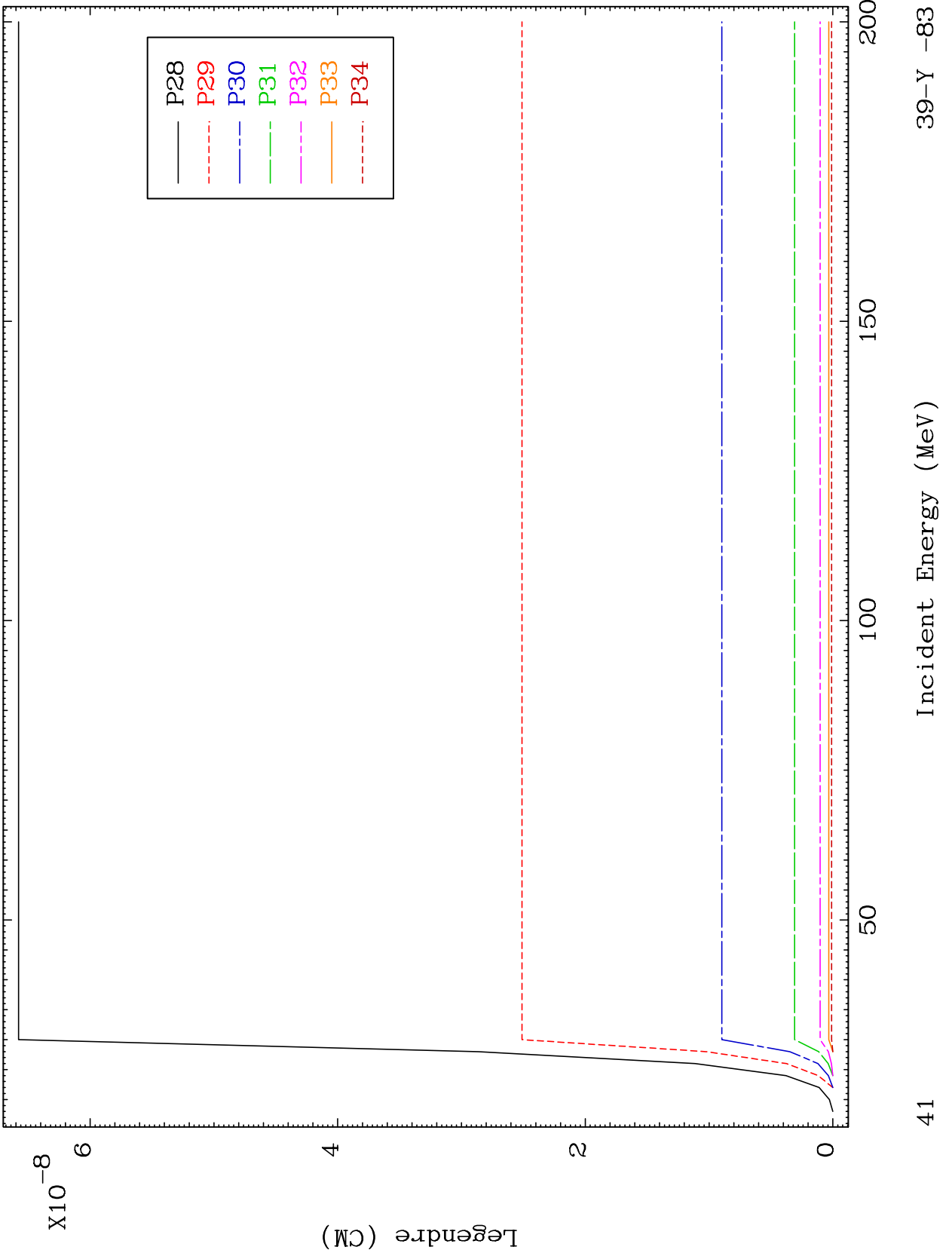
Incident Energy (MeV)

39-Y -83

MAT 3907

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

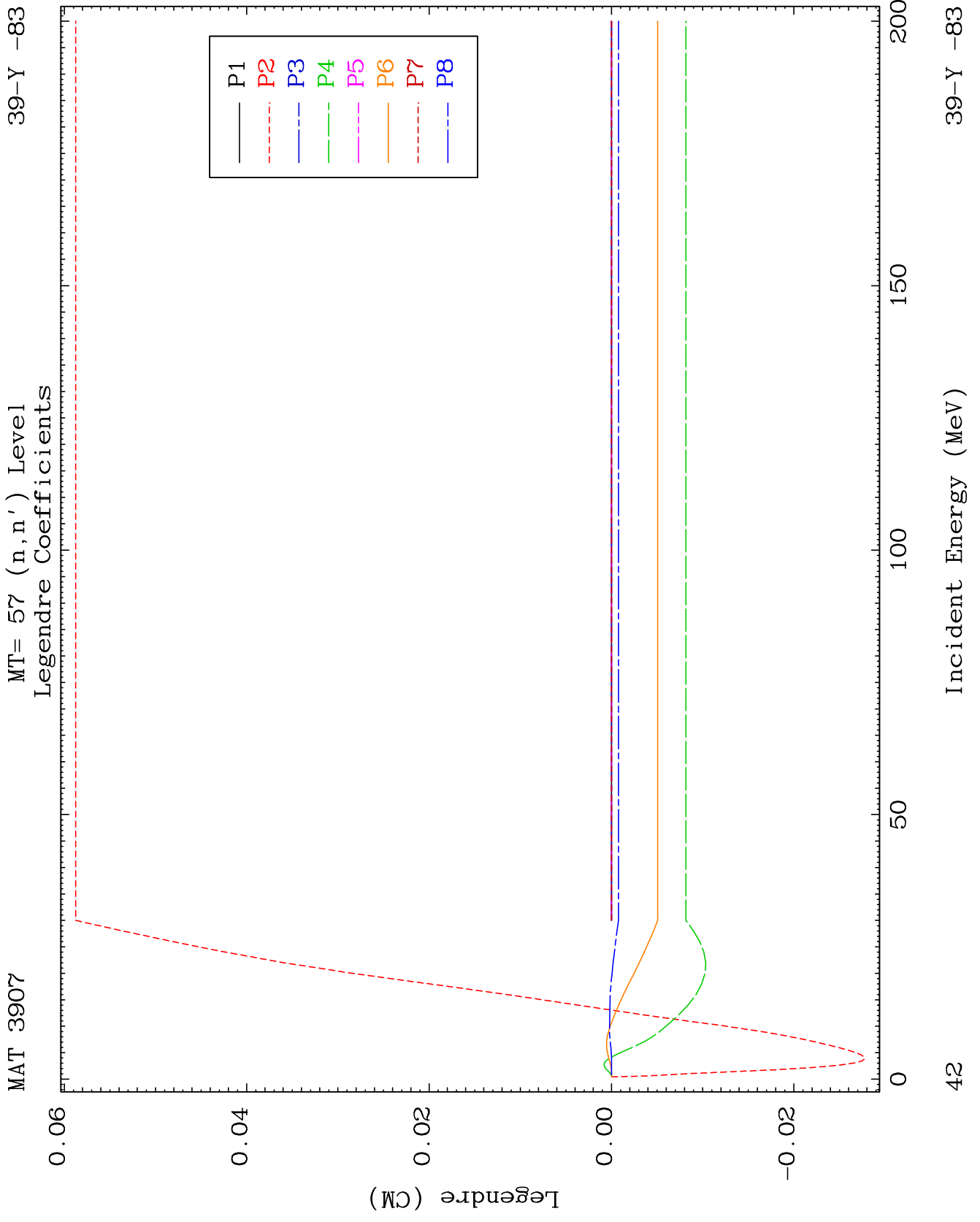
39-Y -83



41

Incident Energy (MeV)

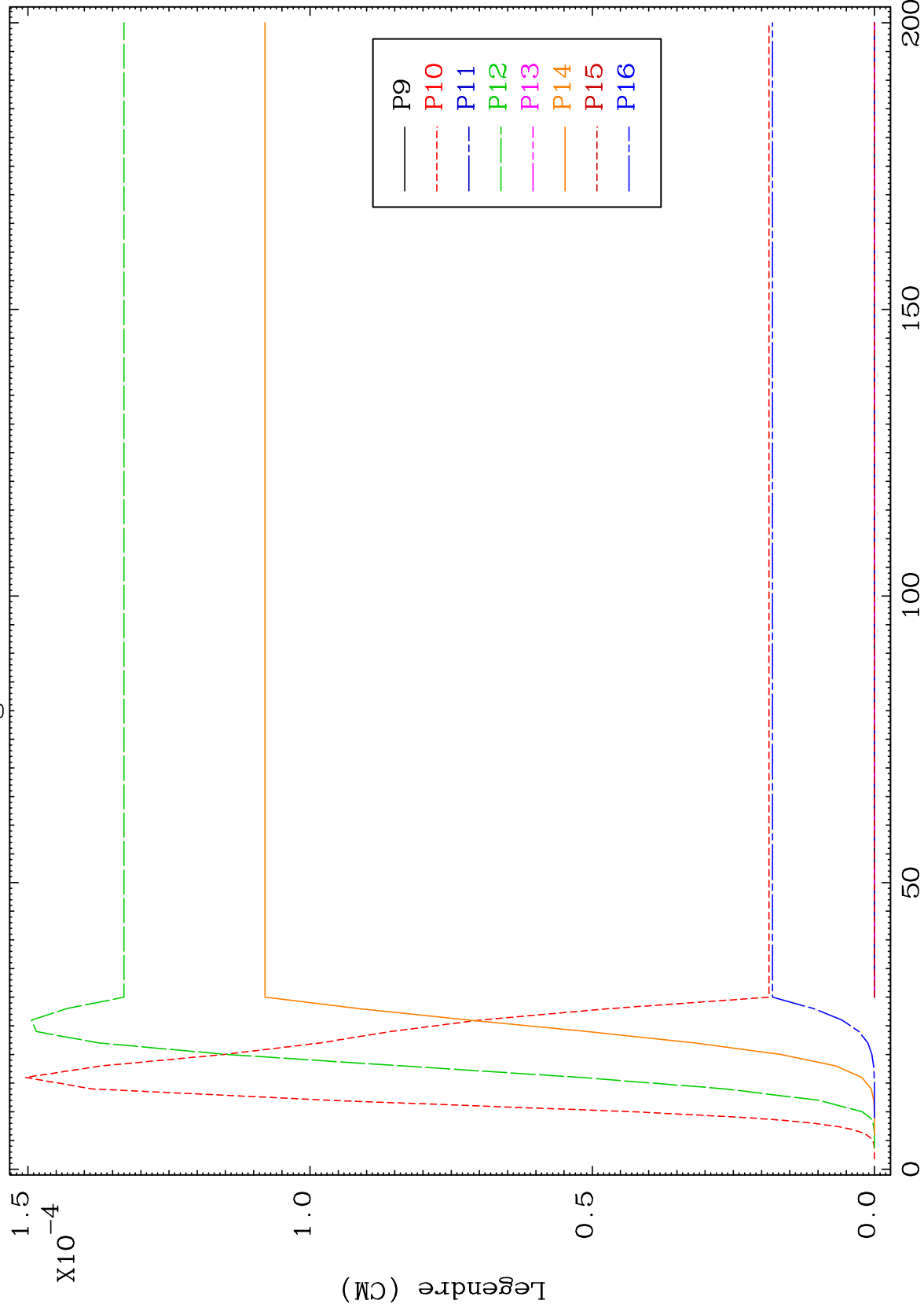
39-Y -83



MAT 3907

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

39-Y -83



43

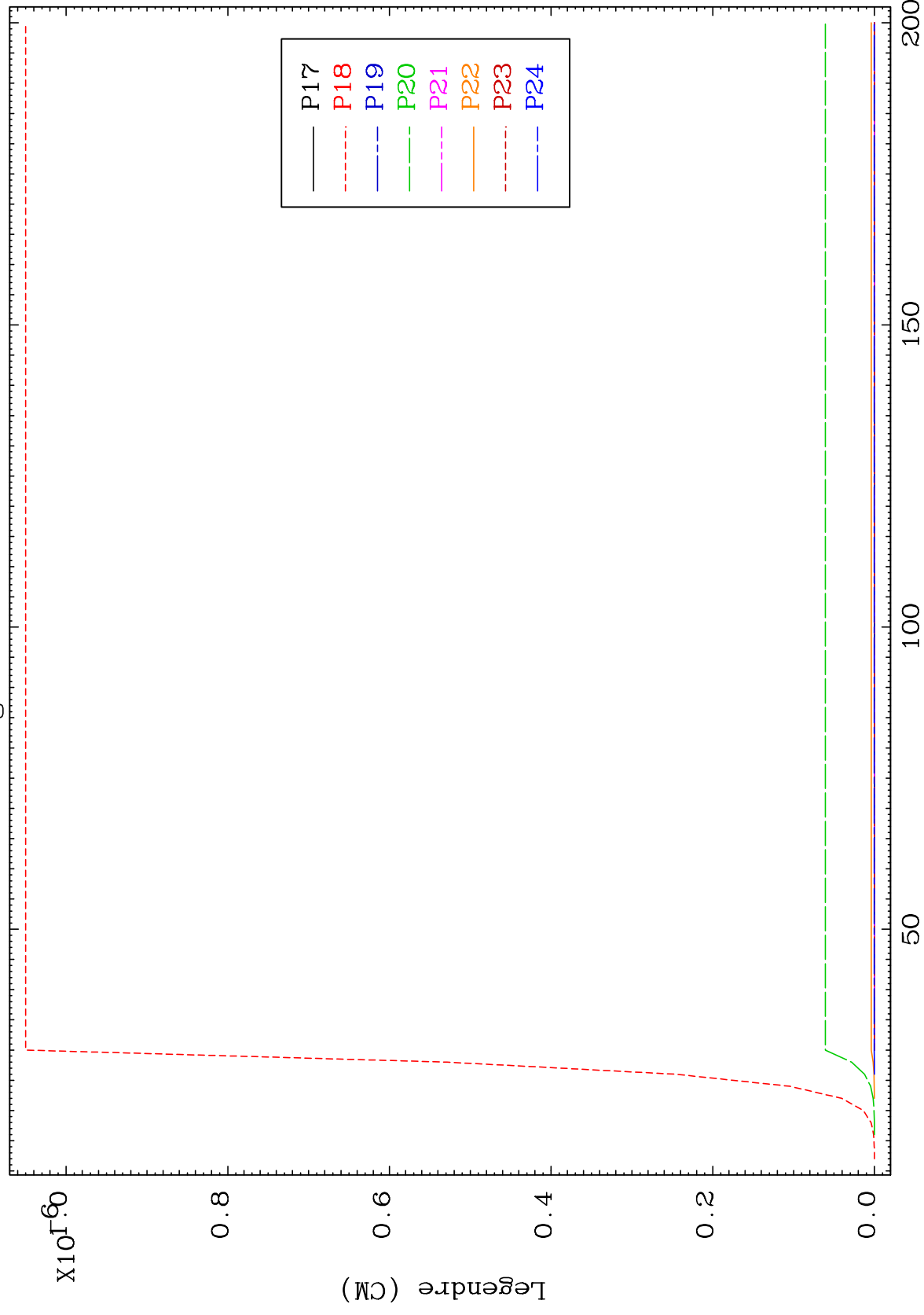
Incident Energy (MeV)

39-Y -83

MAT 3907

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

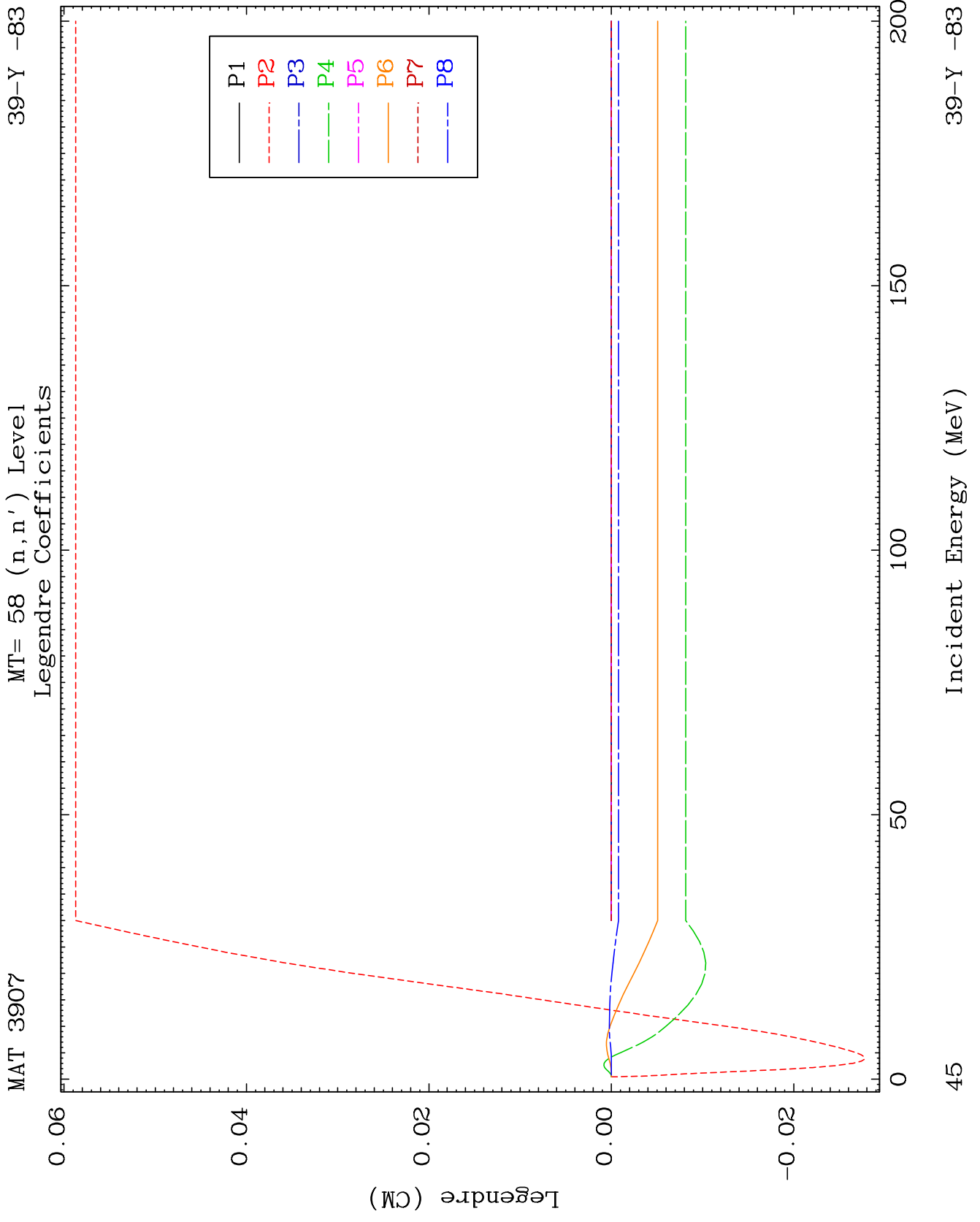
39-Y -83



44

Incident Energy (MeV)

39-Y -83

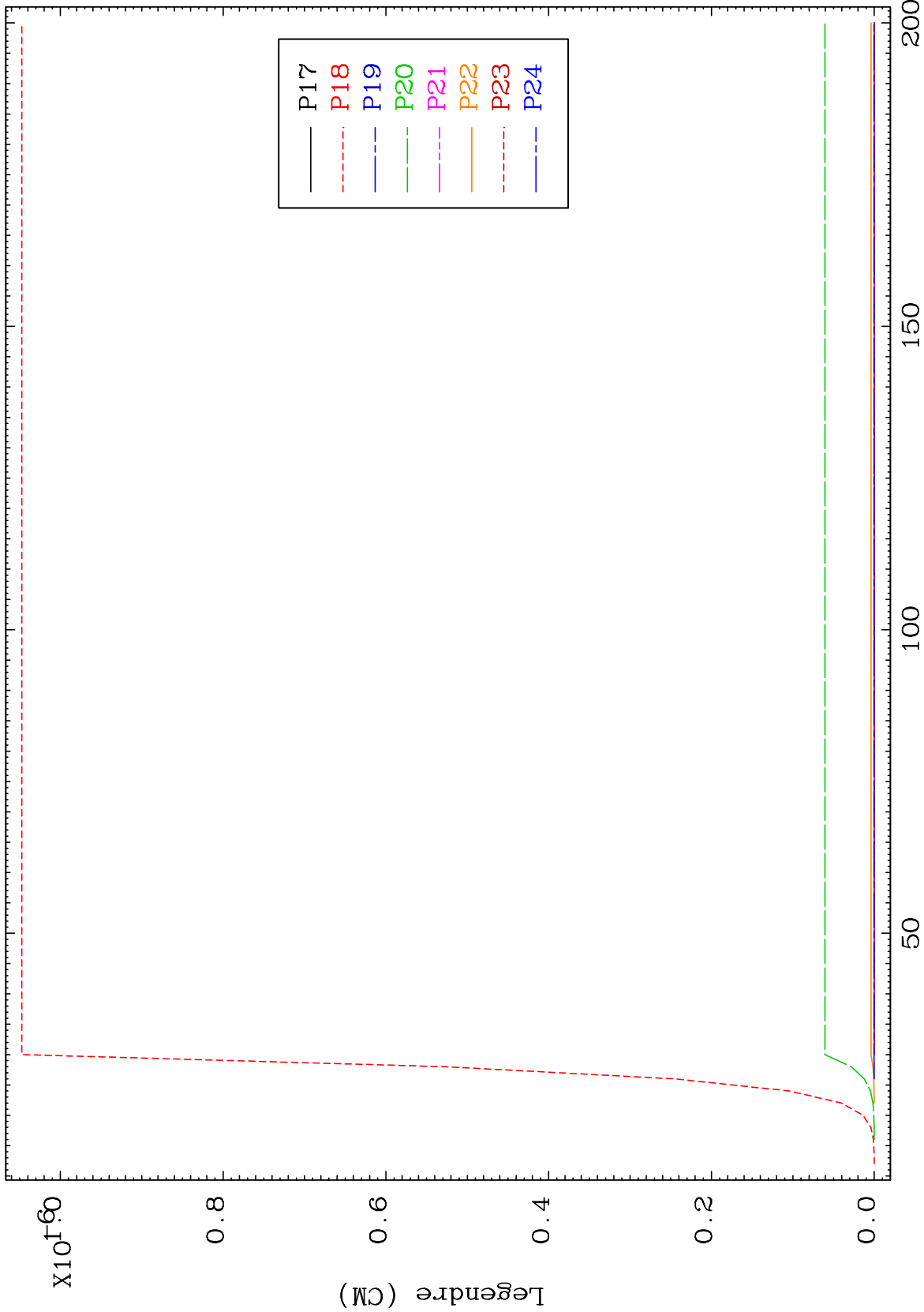




MAT 3907

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

39-Y -83



47

Incident Energy (MeV)

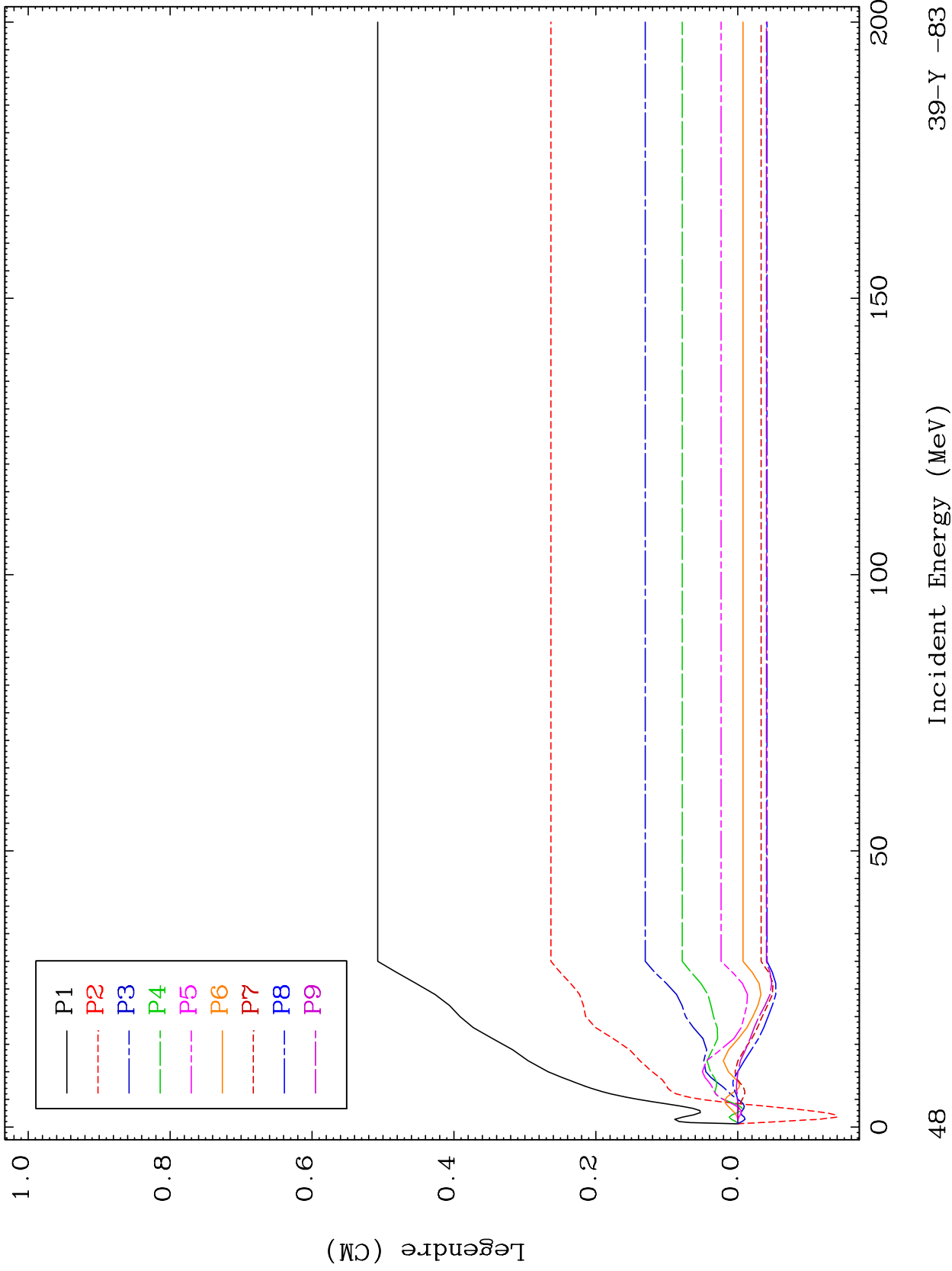
39-Y -83



MAT 3907

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

39-Y -83

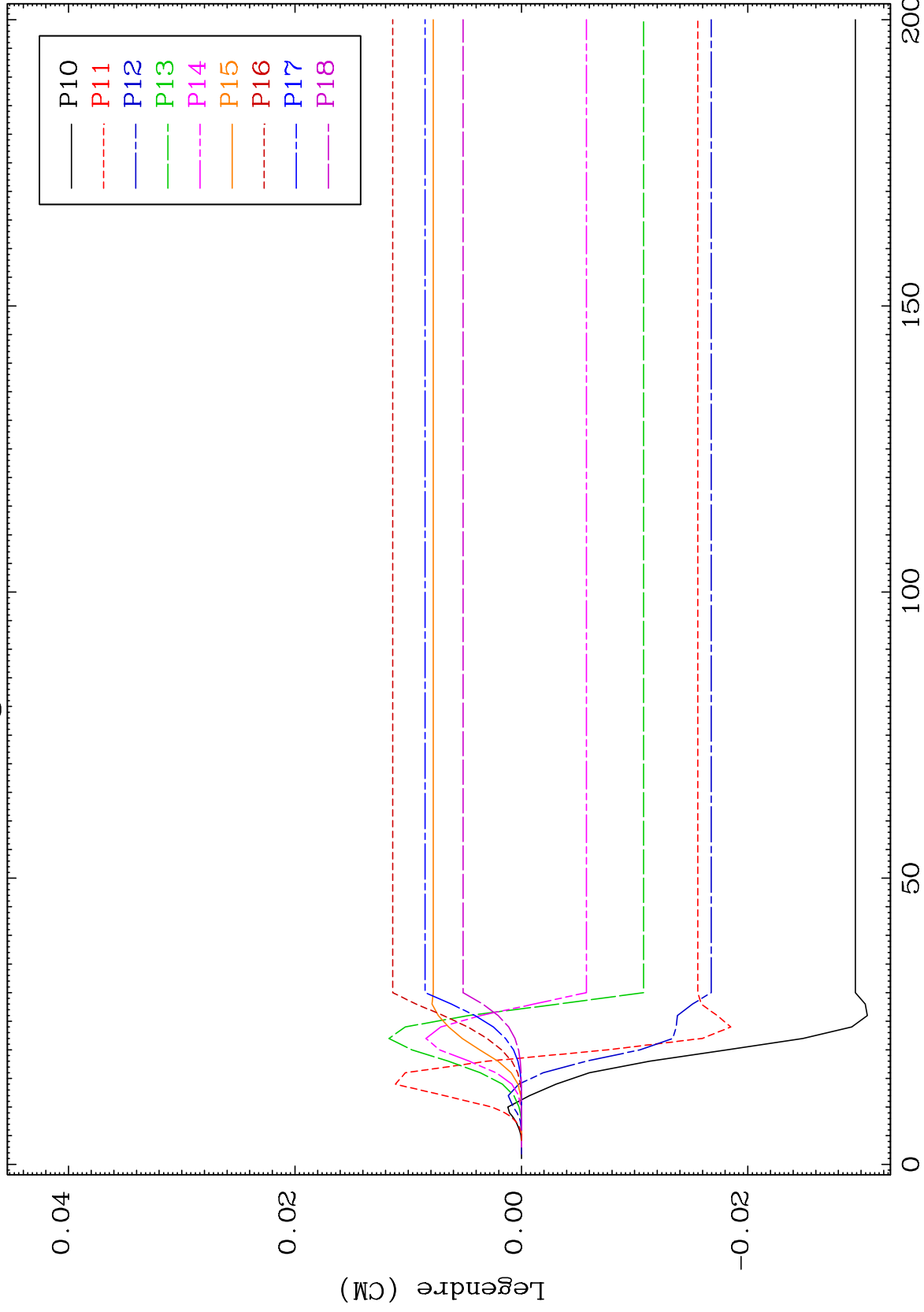


39-Y -83

MAT 3907

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

39-Y -83



49

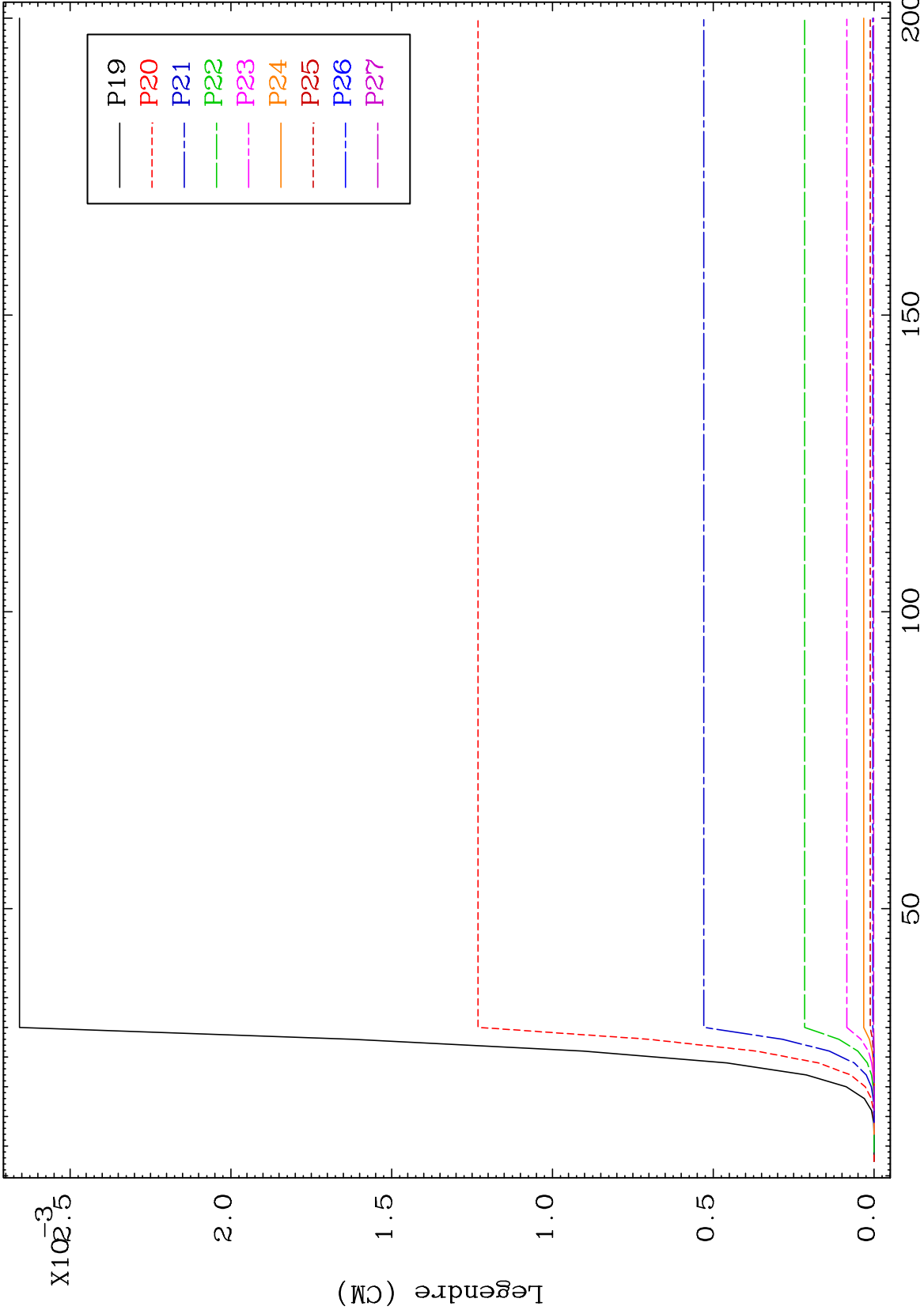
Incident Energy (MeV)

39-Y -83

MAT 3907

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

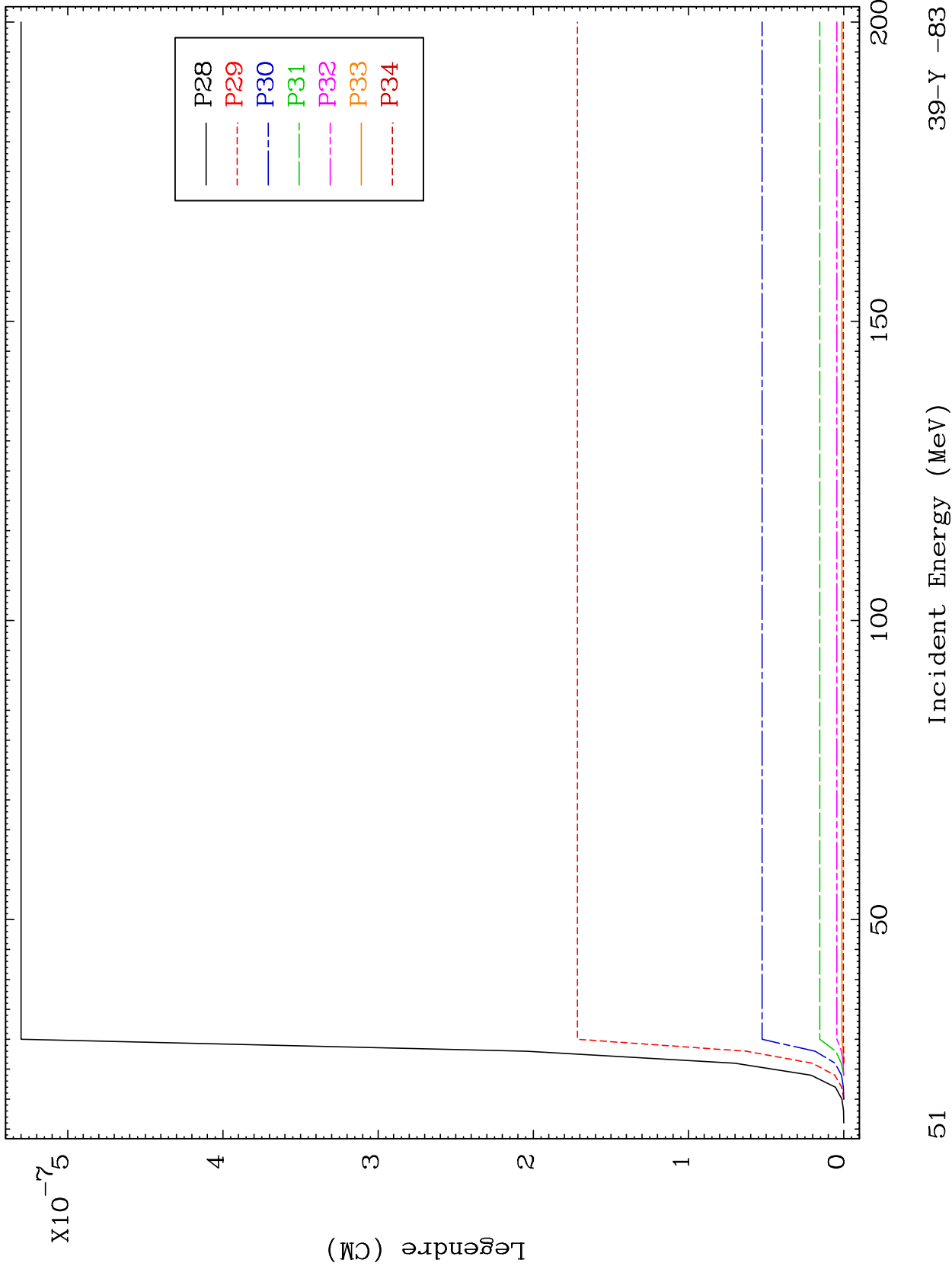
39-Y -83

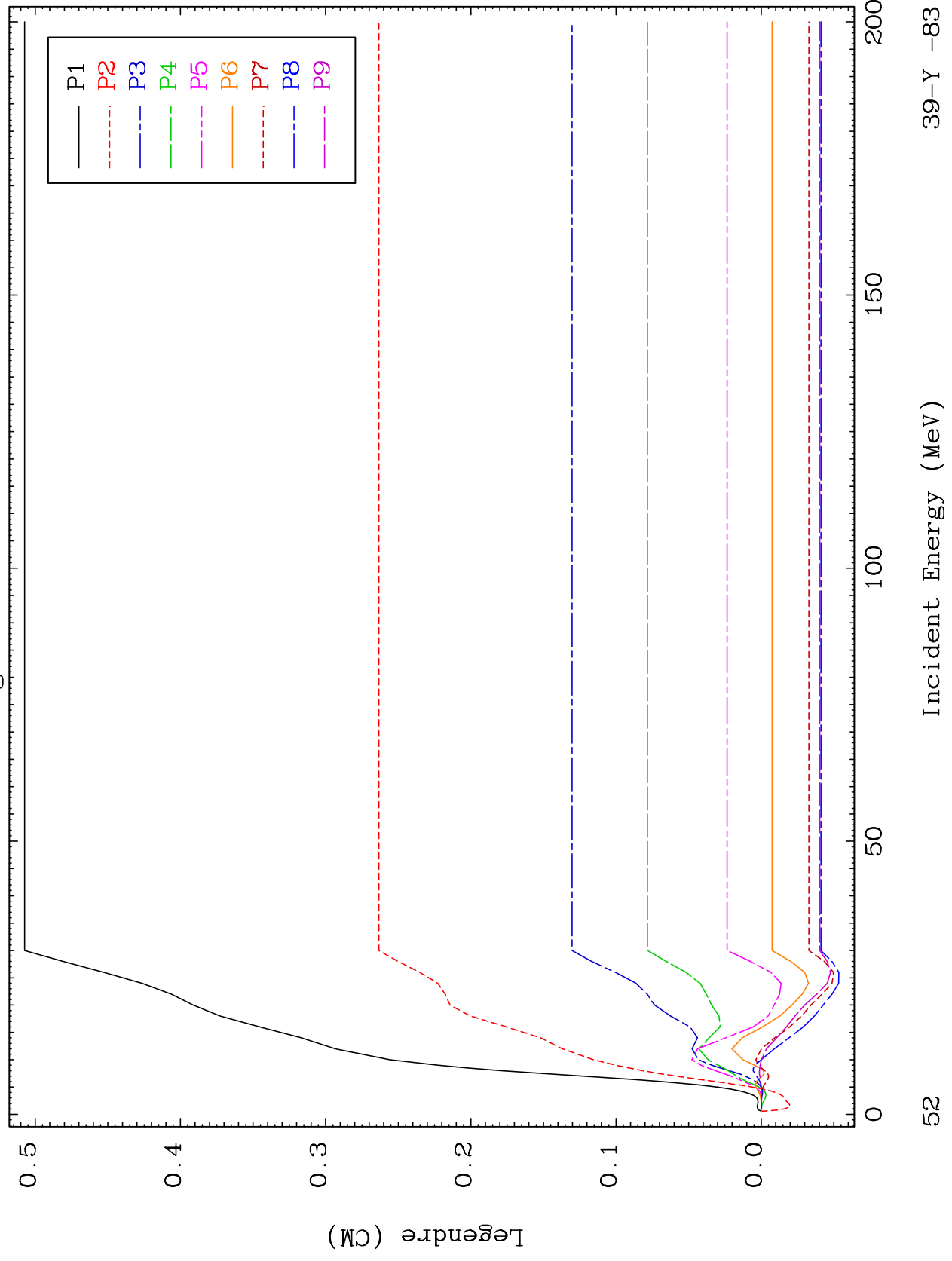


50

Incident Energy (MeV)

39-Y -83

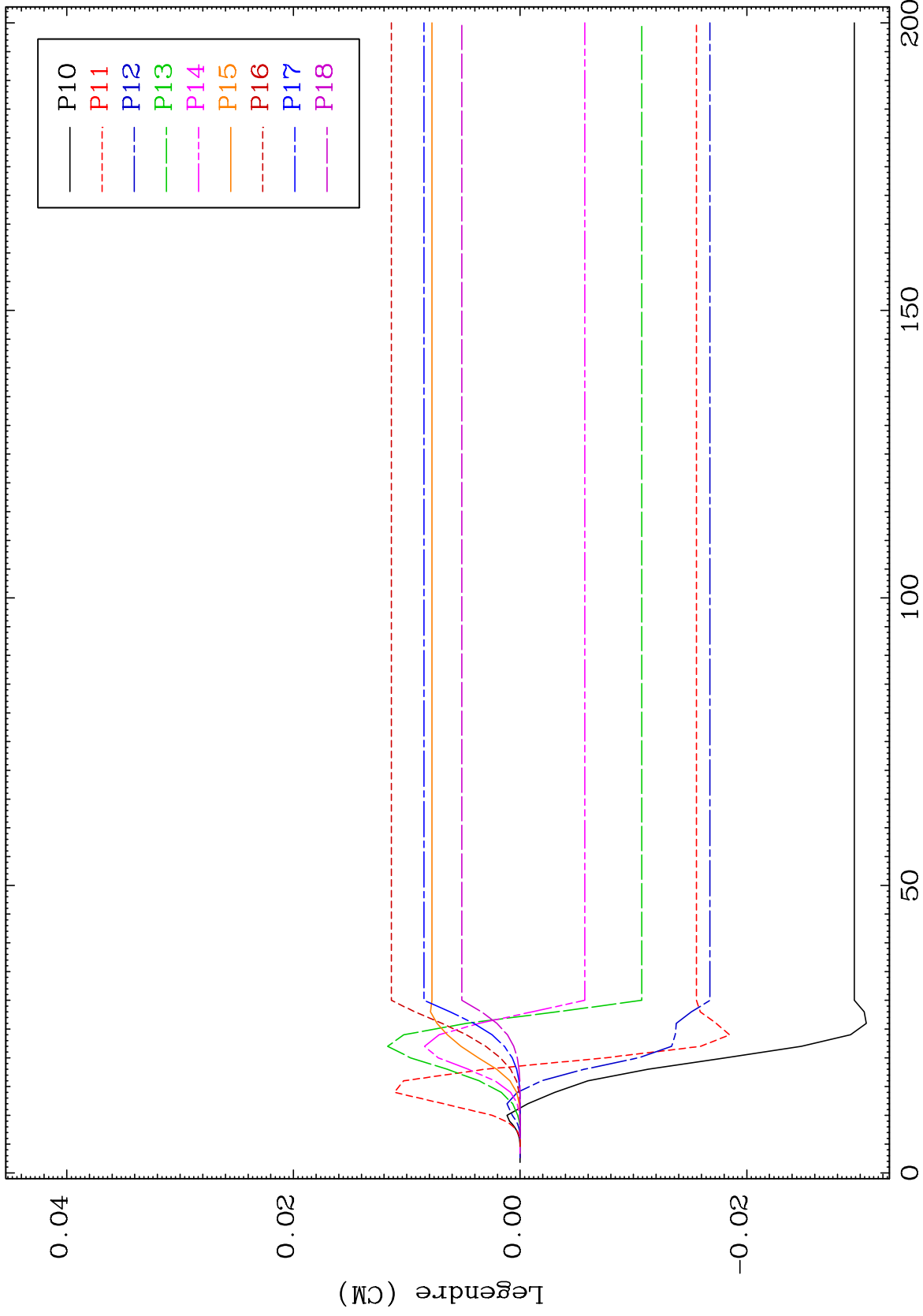




MAT 3907

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

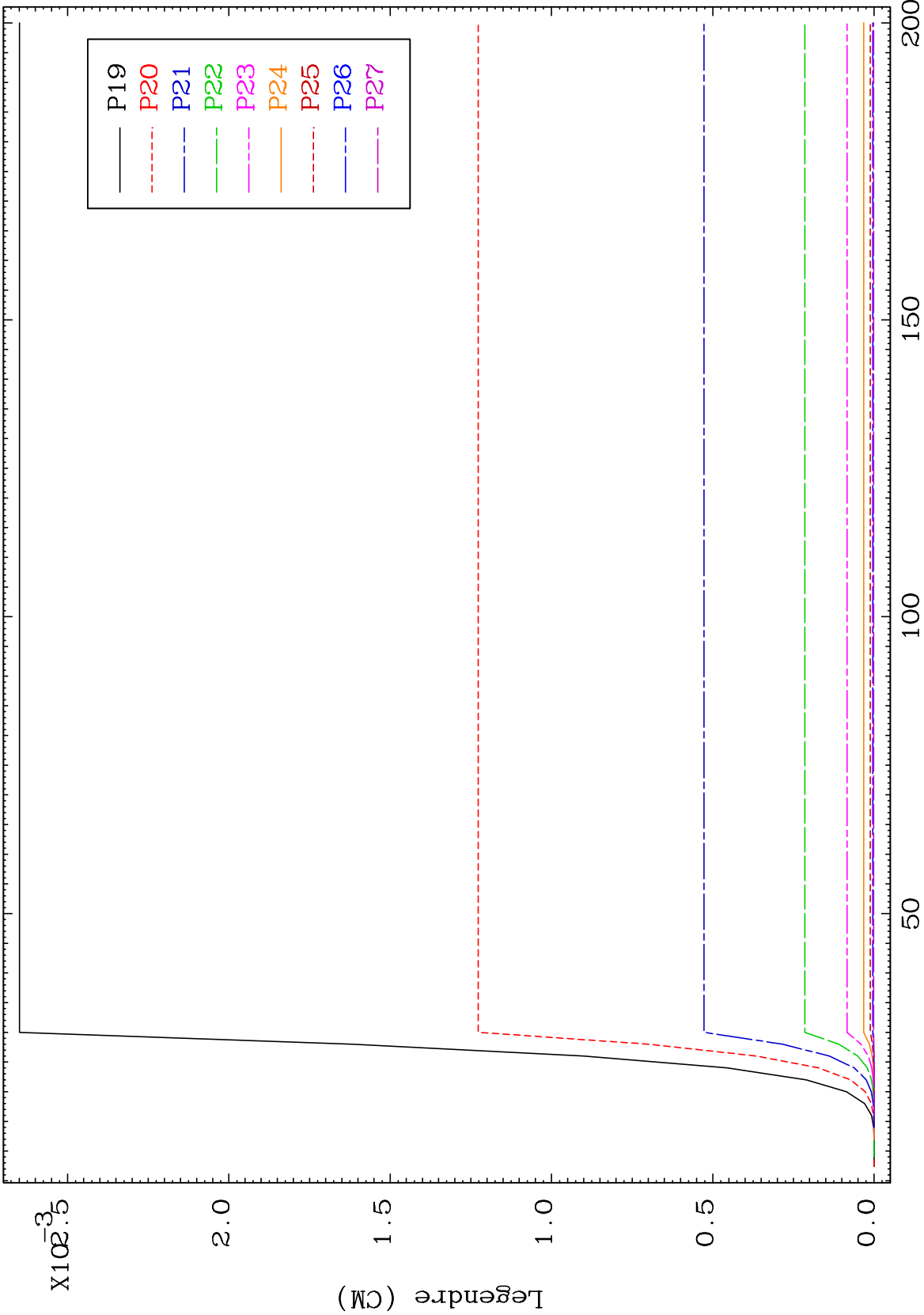
39-Y -83



53

Incident Energy (MeV)

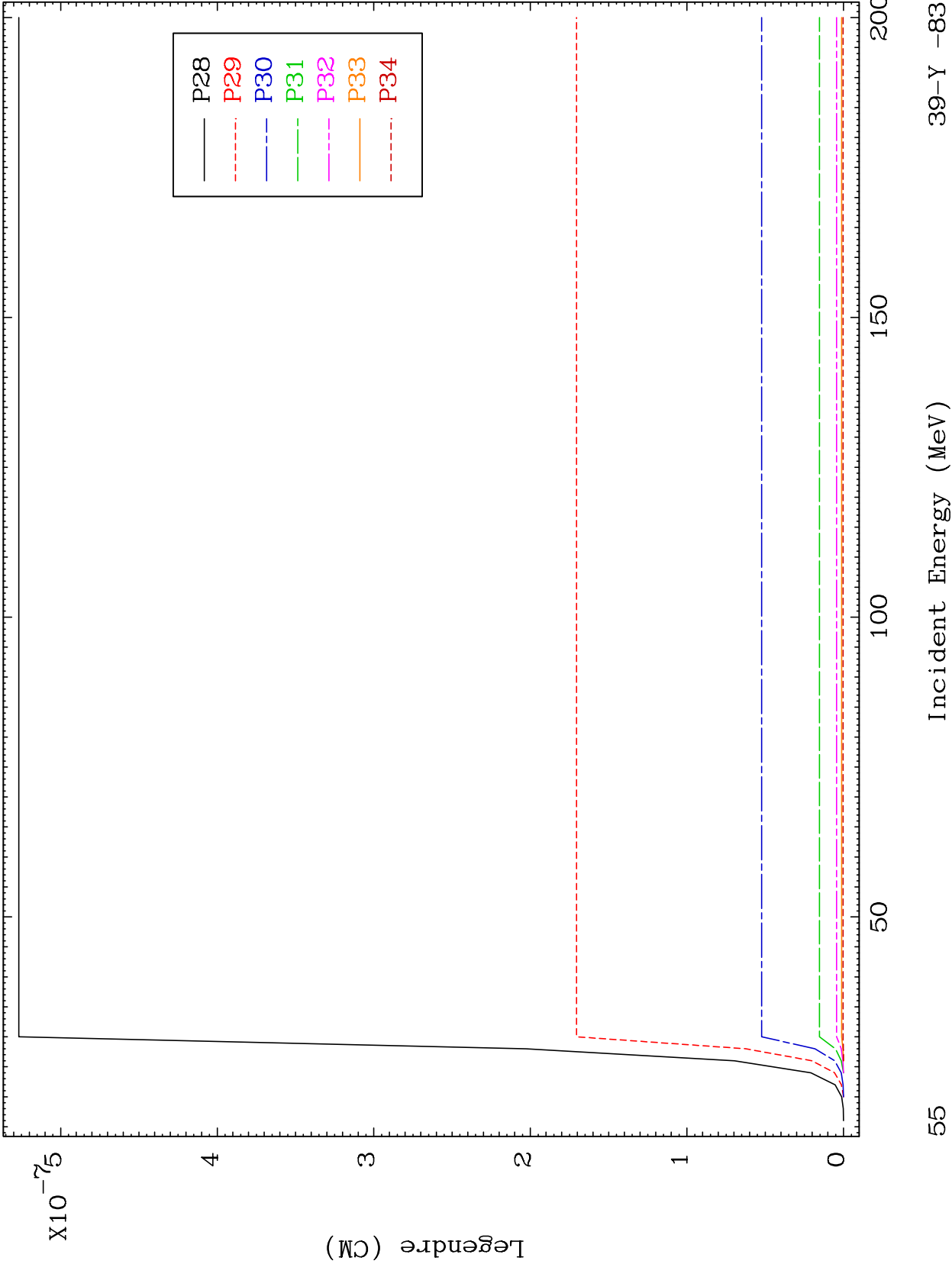
39-Y -83



MAT 3907

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

39-Y -83

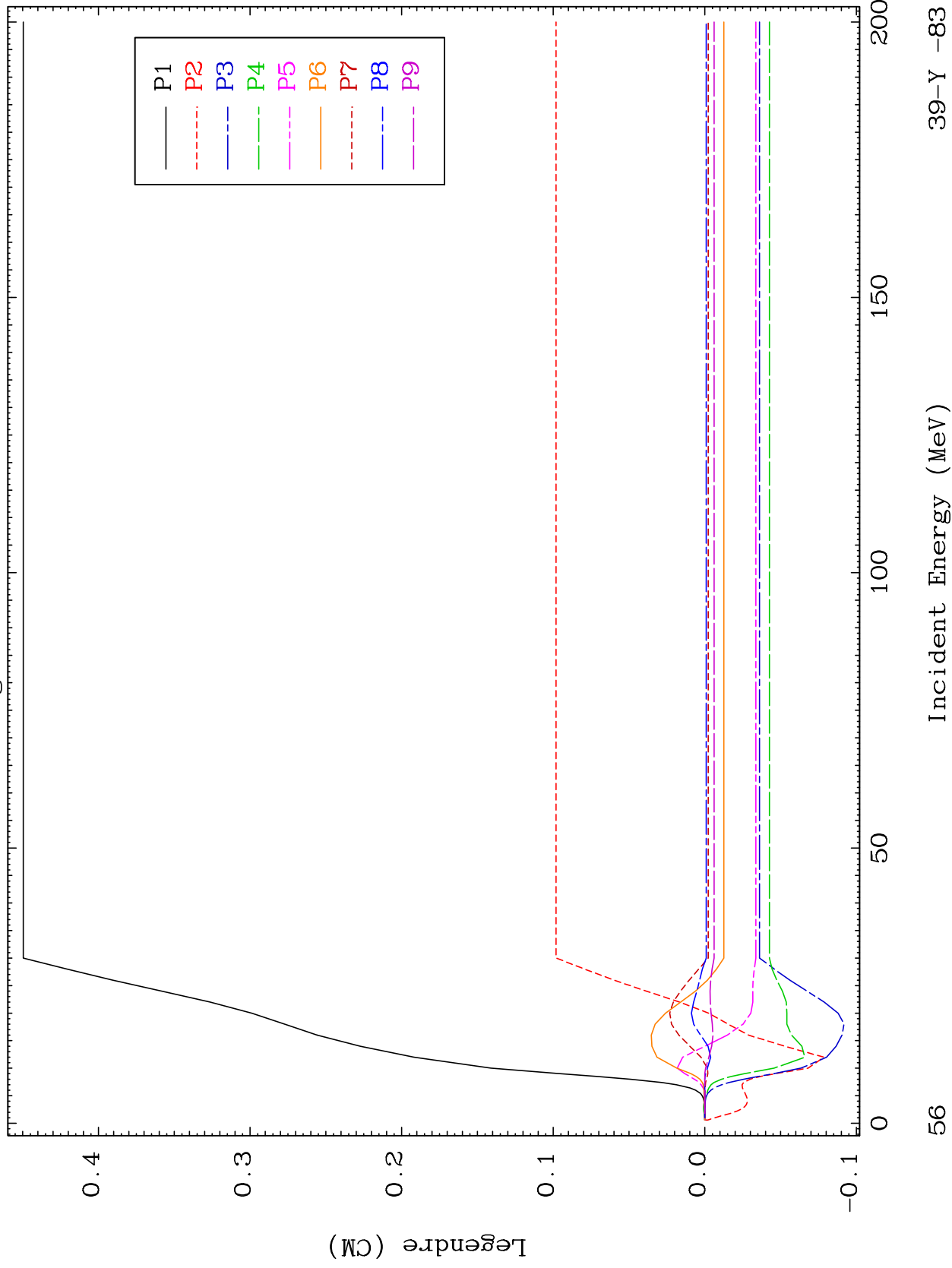




MAT 3907

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

39-Y -83



39-Y -83

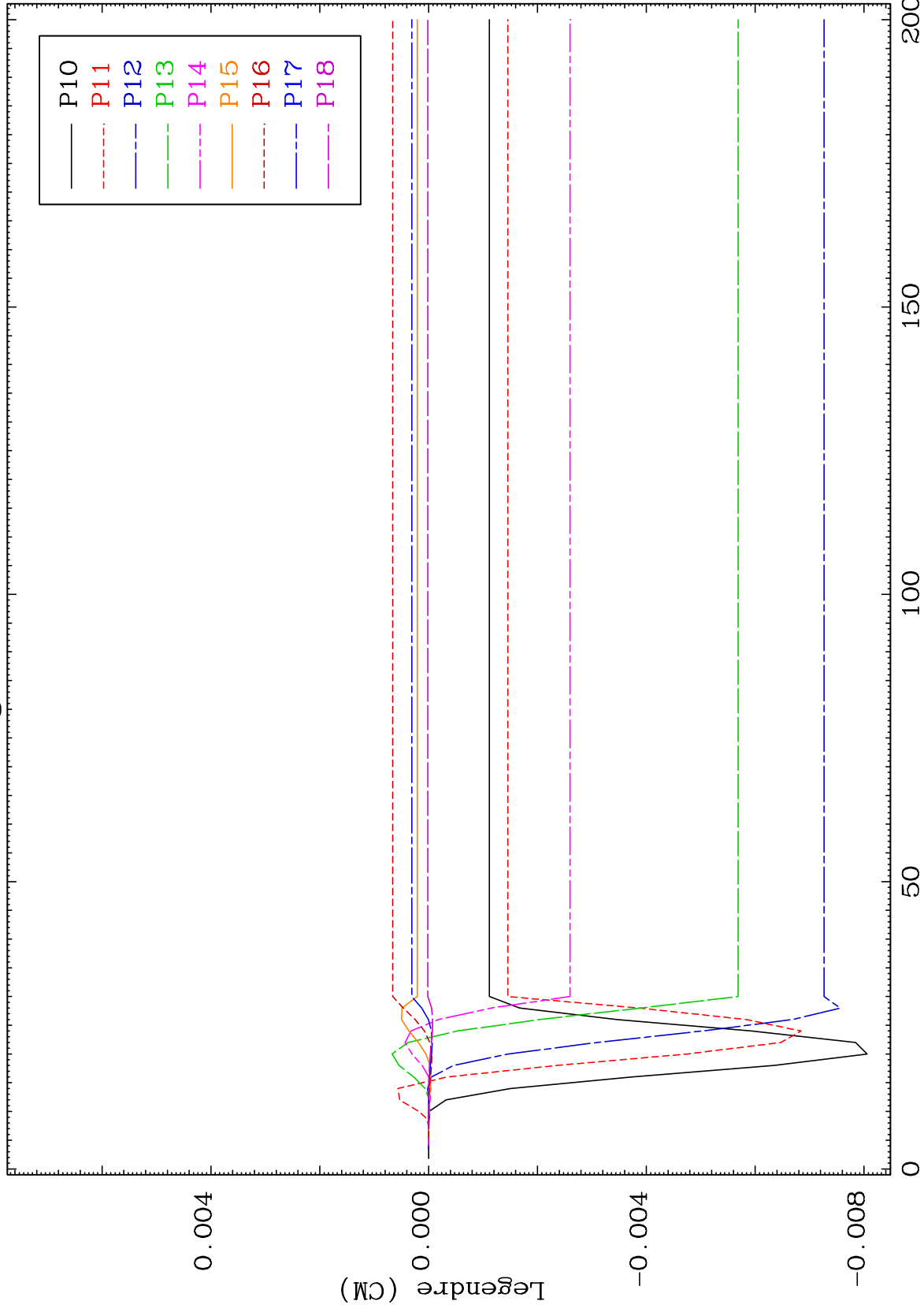
Incident Energy (MeV)

56

MAT 3907

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

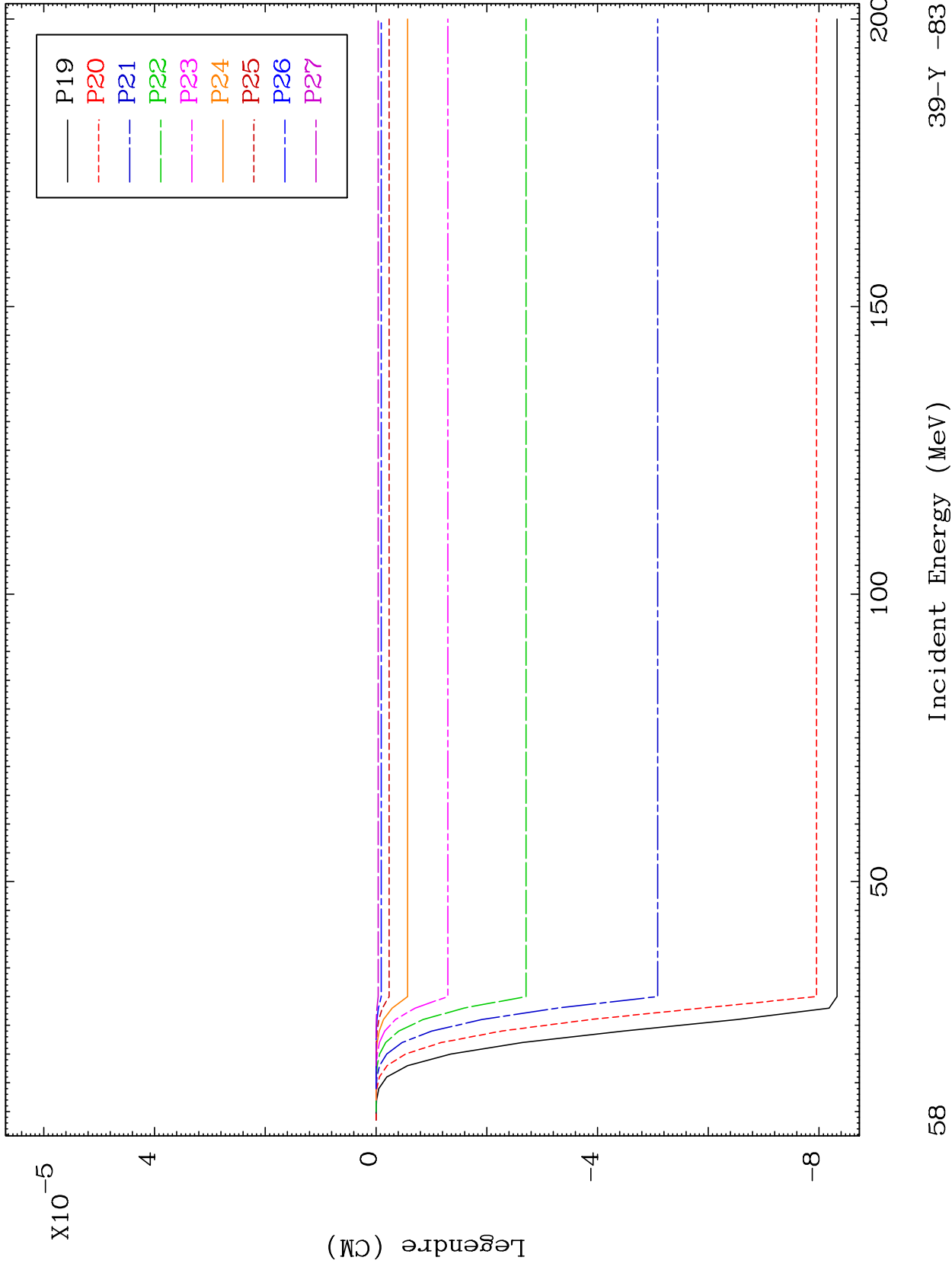
39-Y -83



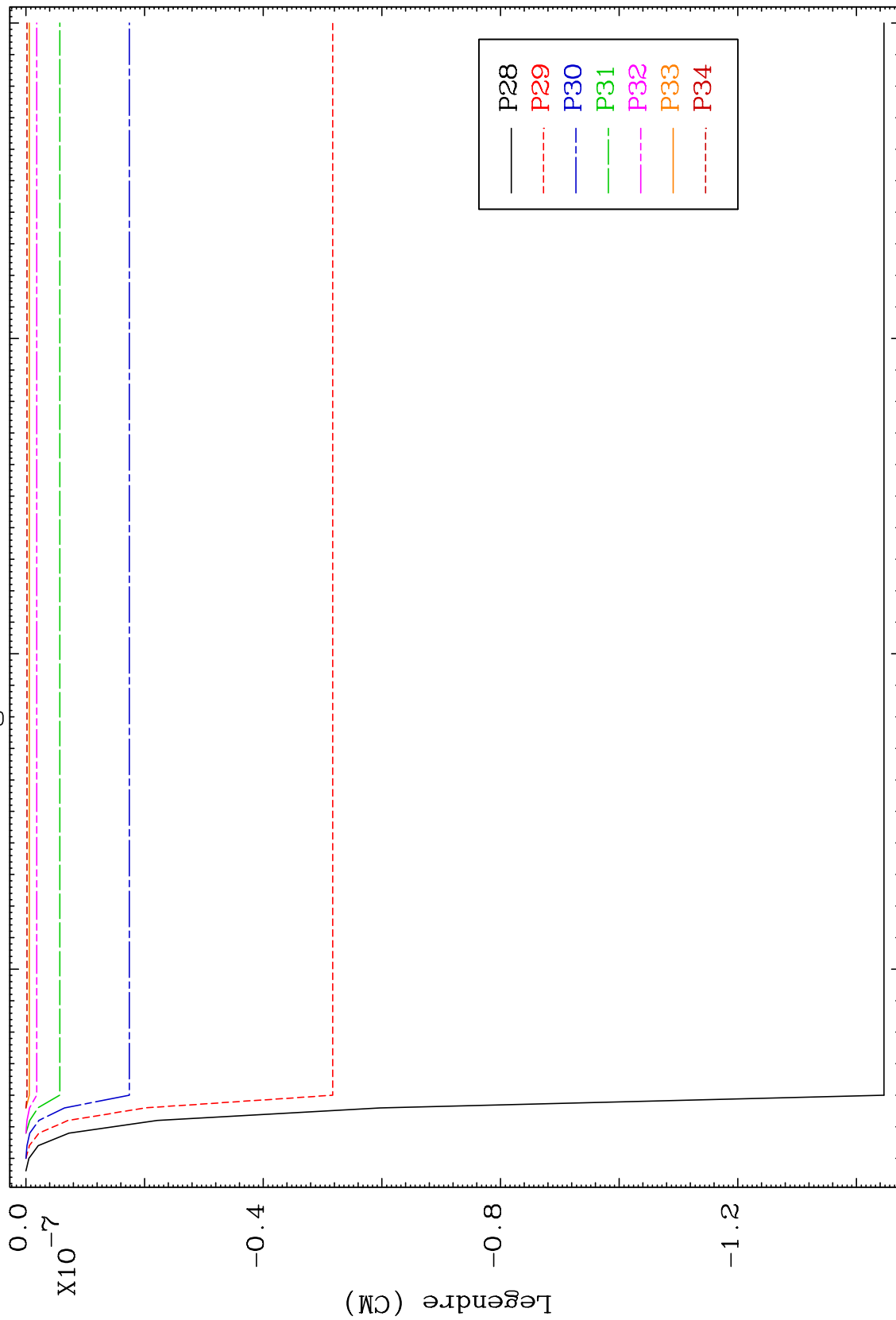
57

Incident Energy (MeV)

39-Y -83



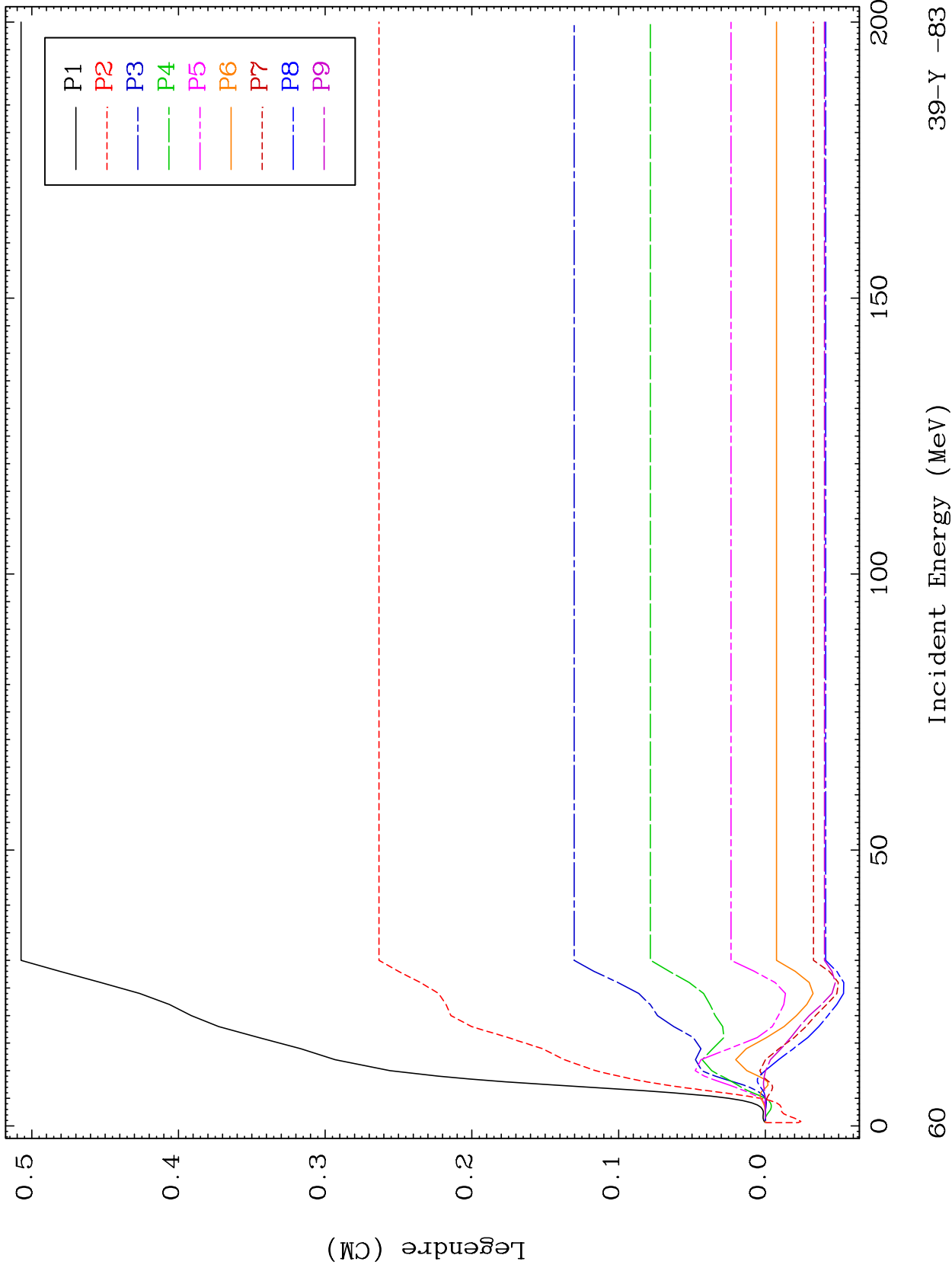
Legendre Coefficients



MAT 3907

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

39-Y -83

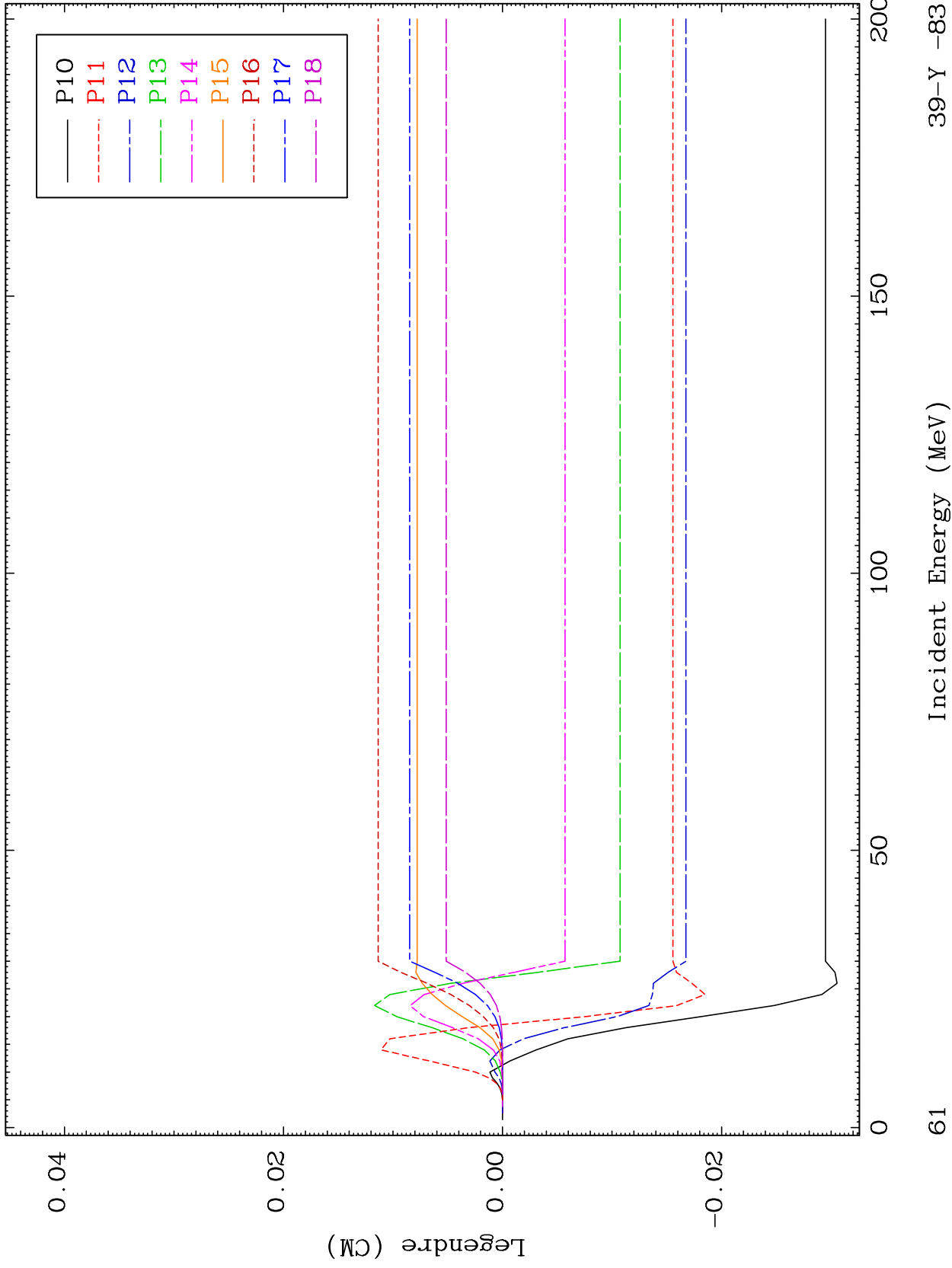


39-Y -83

MAT 3907

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

39-Y -83



61

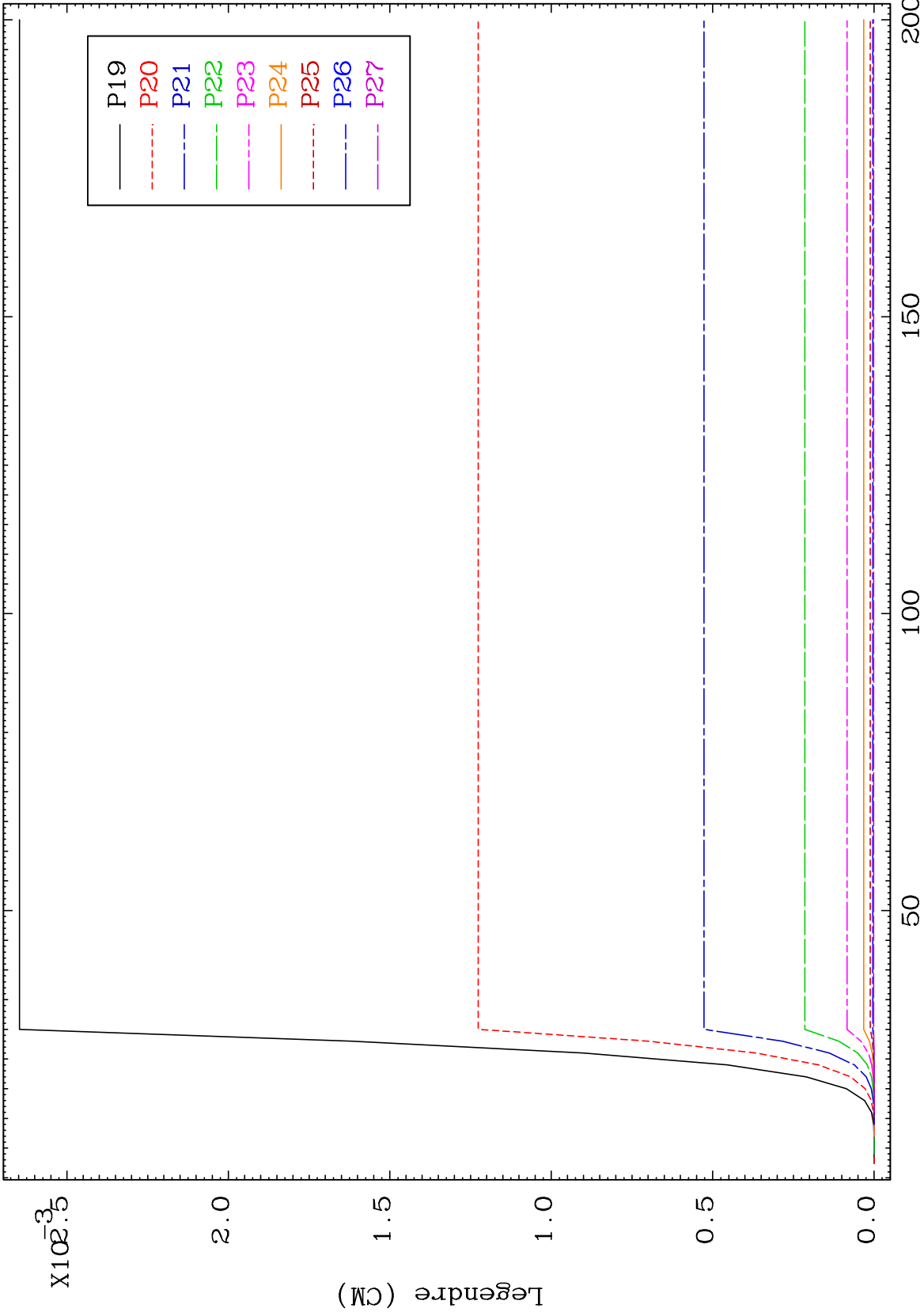
Incident Energy (MeV)

39-Y -83

MAT 3907

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

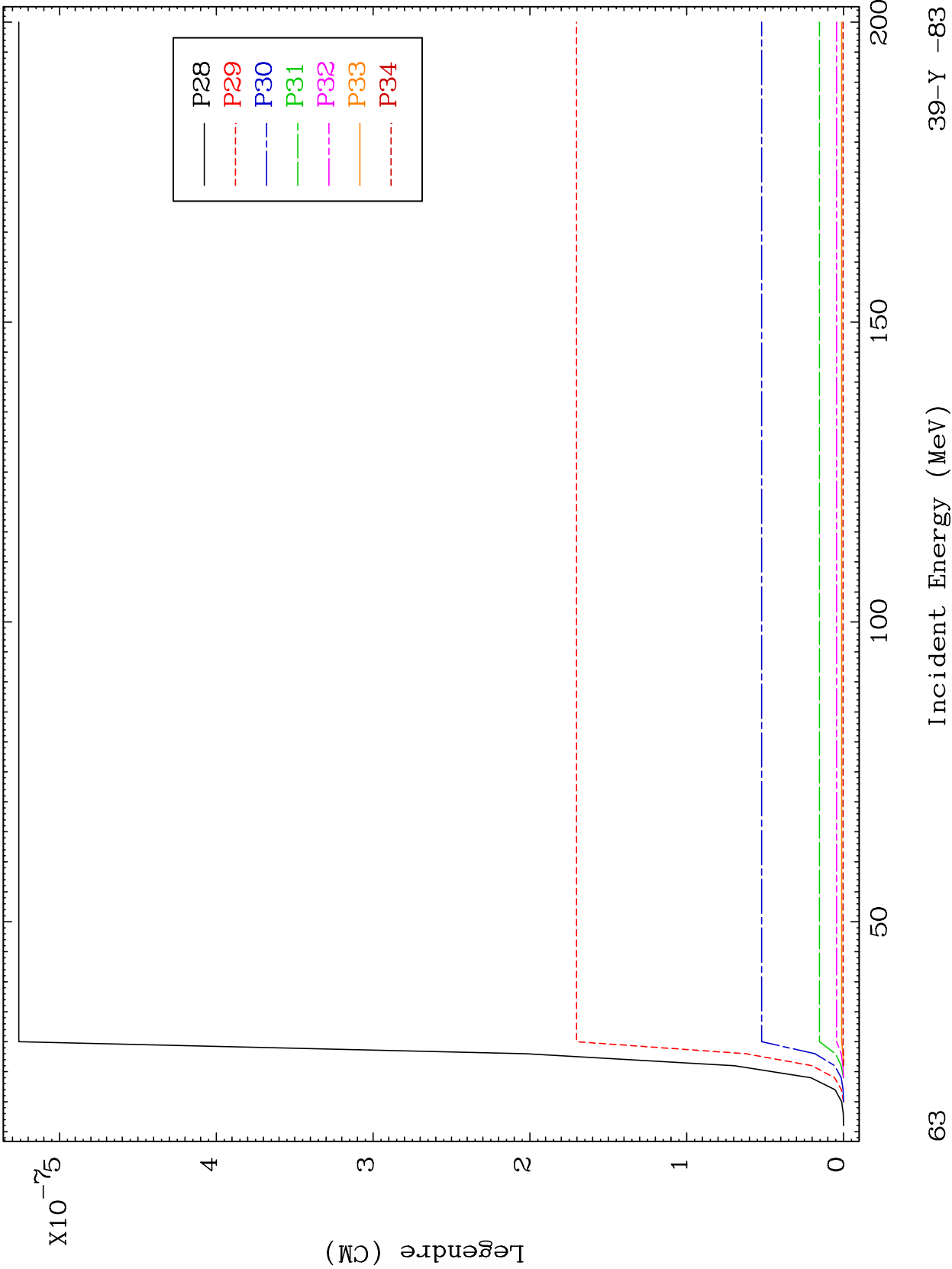
39-Y -83



62

Incident Energy (MeV)

39-Y -83

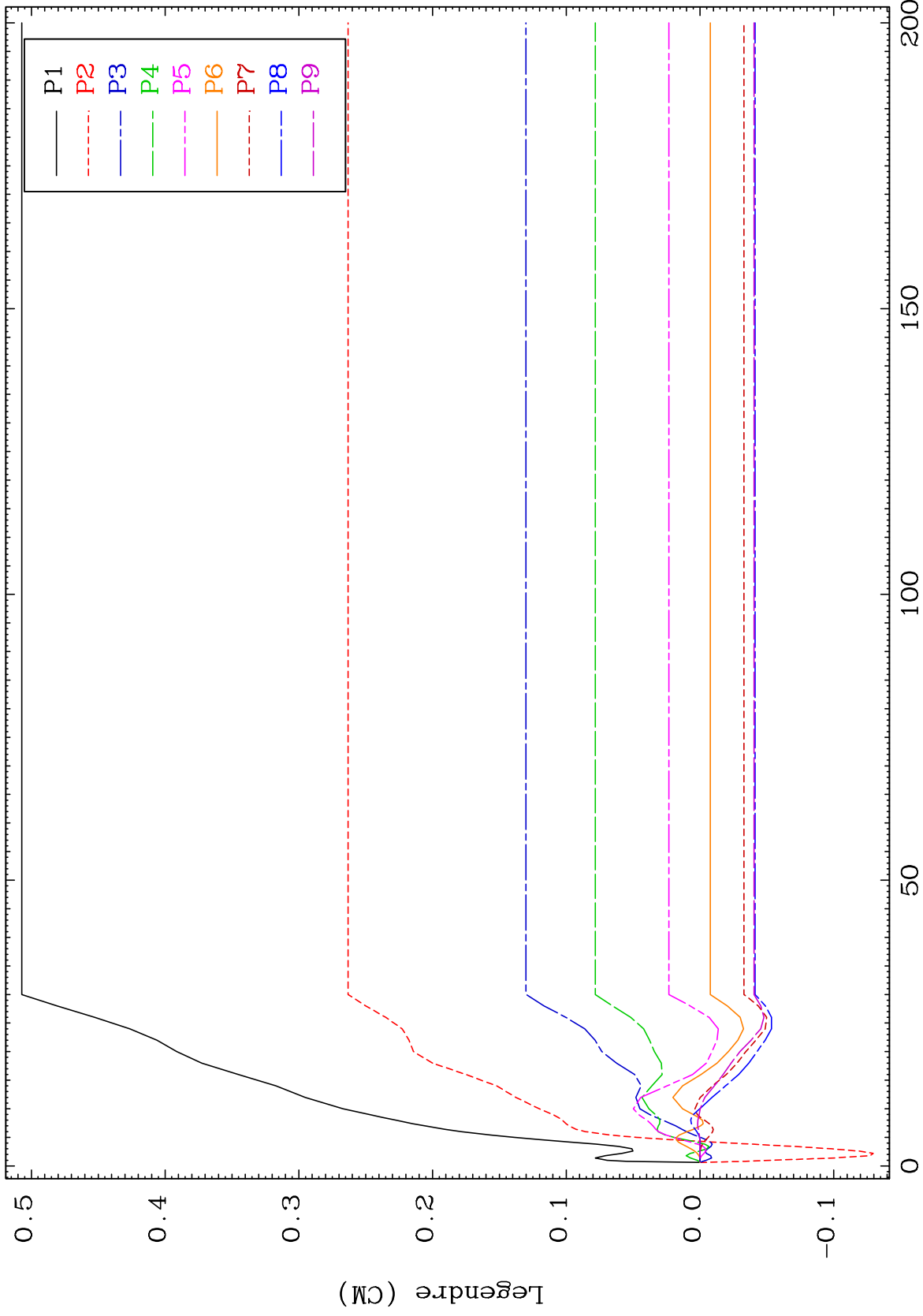




MAT 3907

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

39-Y -83



64

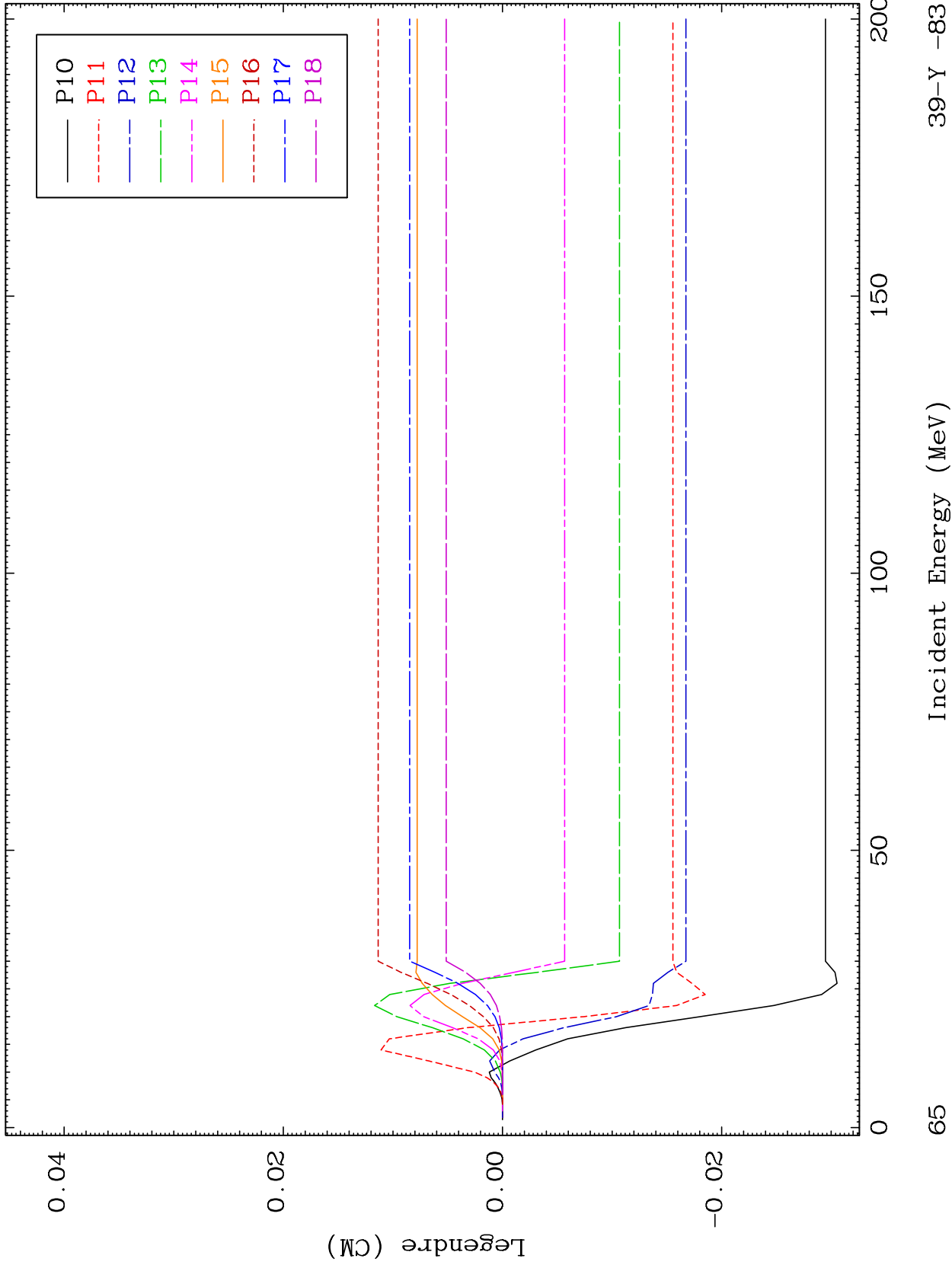
Incident Energy (MeV)

39-Y -83

MAT 3907

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

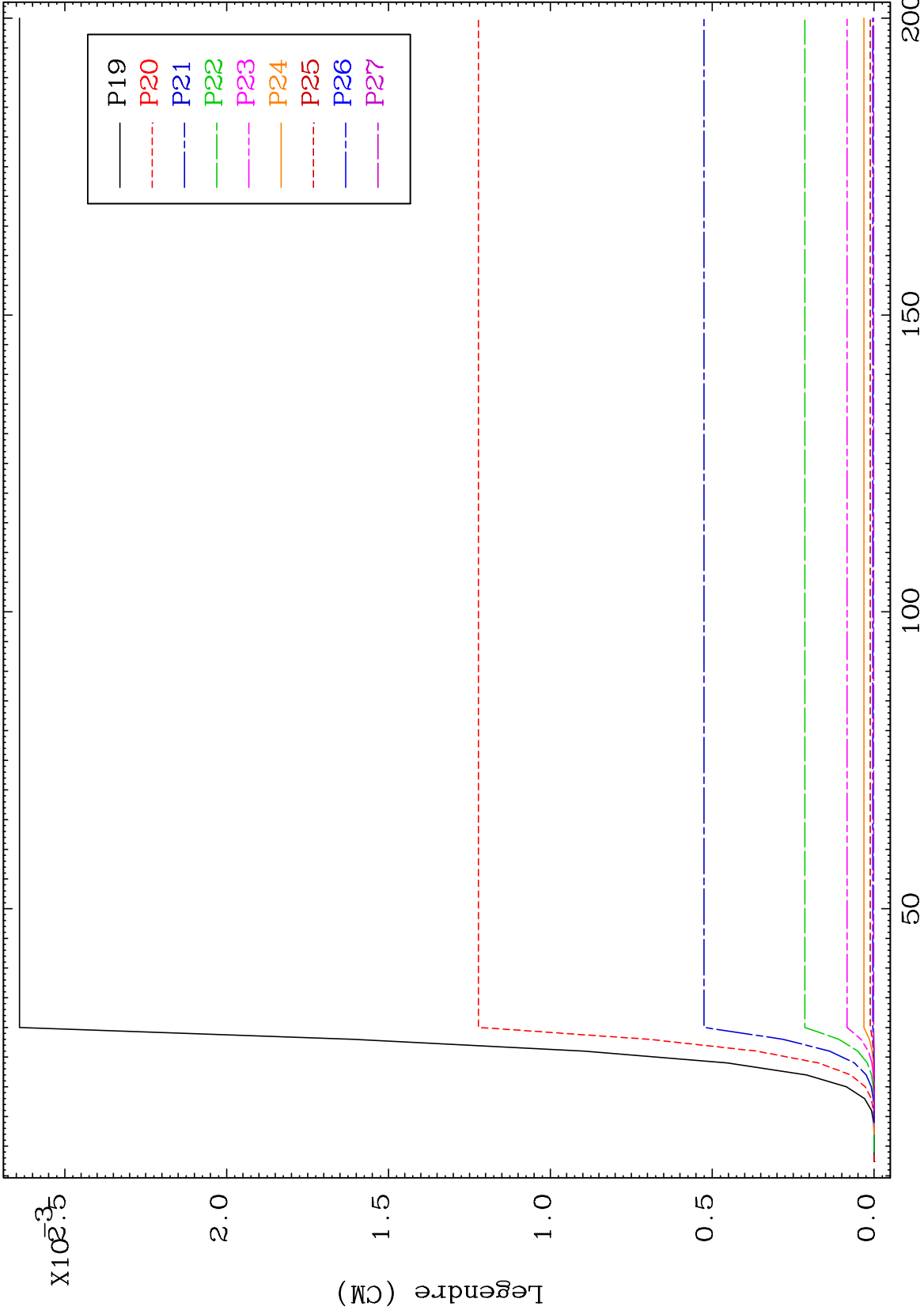
39-Y -83



39-Y -83

Incident Energy (MeV)

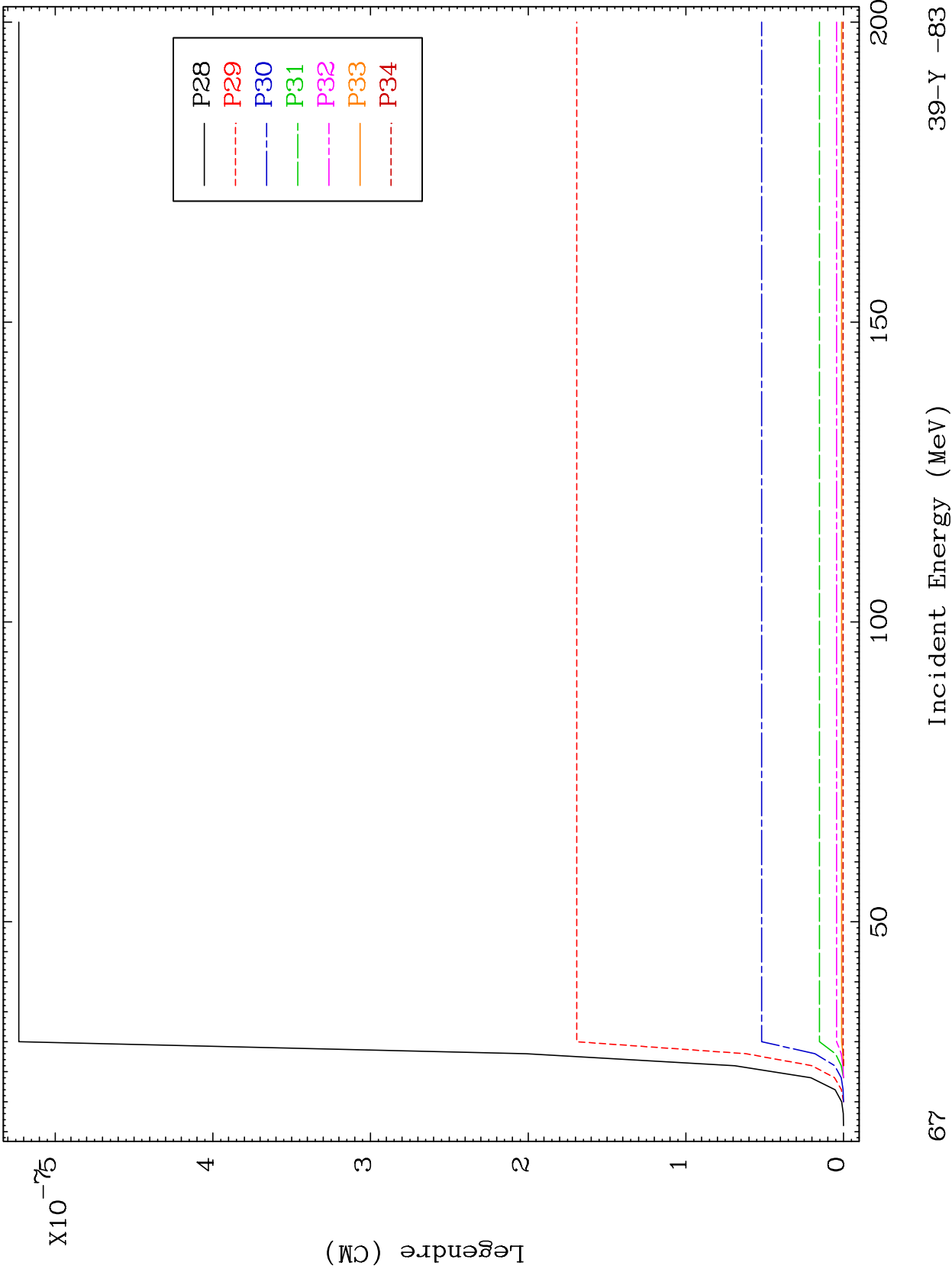
65



MAT 3907

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

39-Y -83



67

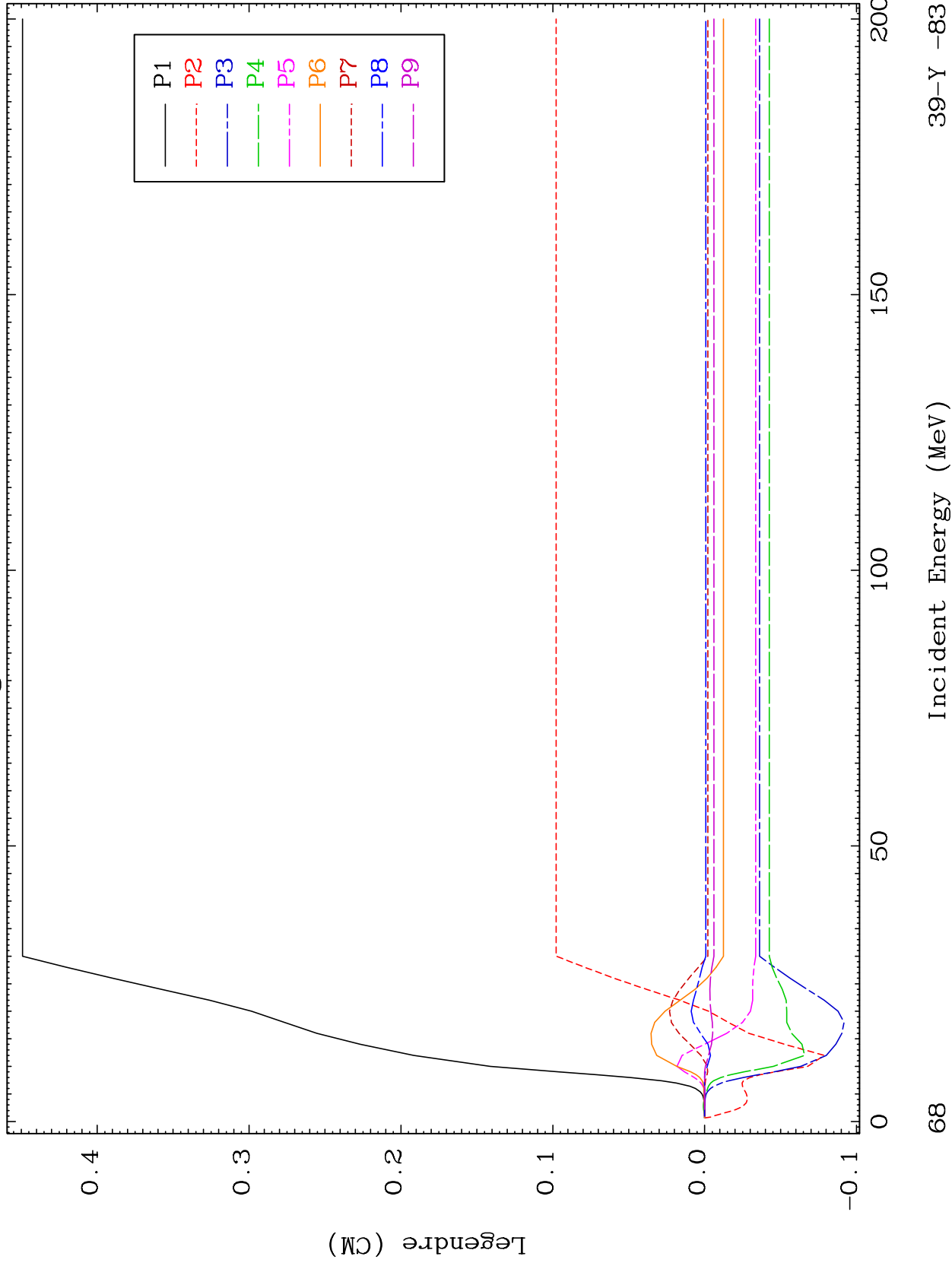
Incident Energy (MeV)

39-Y -83

MAT 3907

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

39-Y -83



39-Y -83

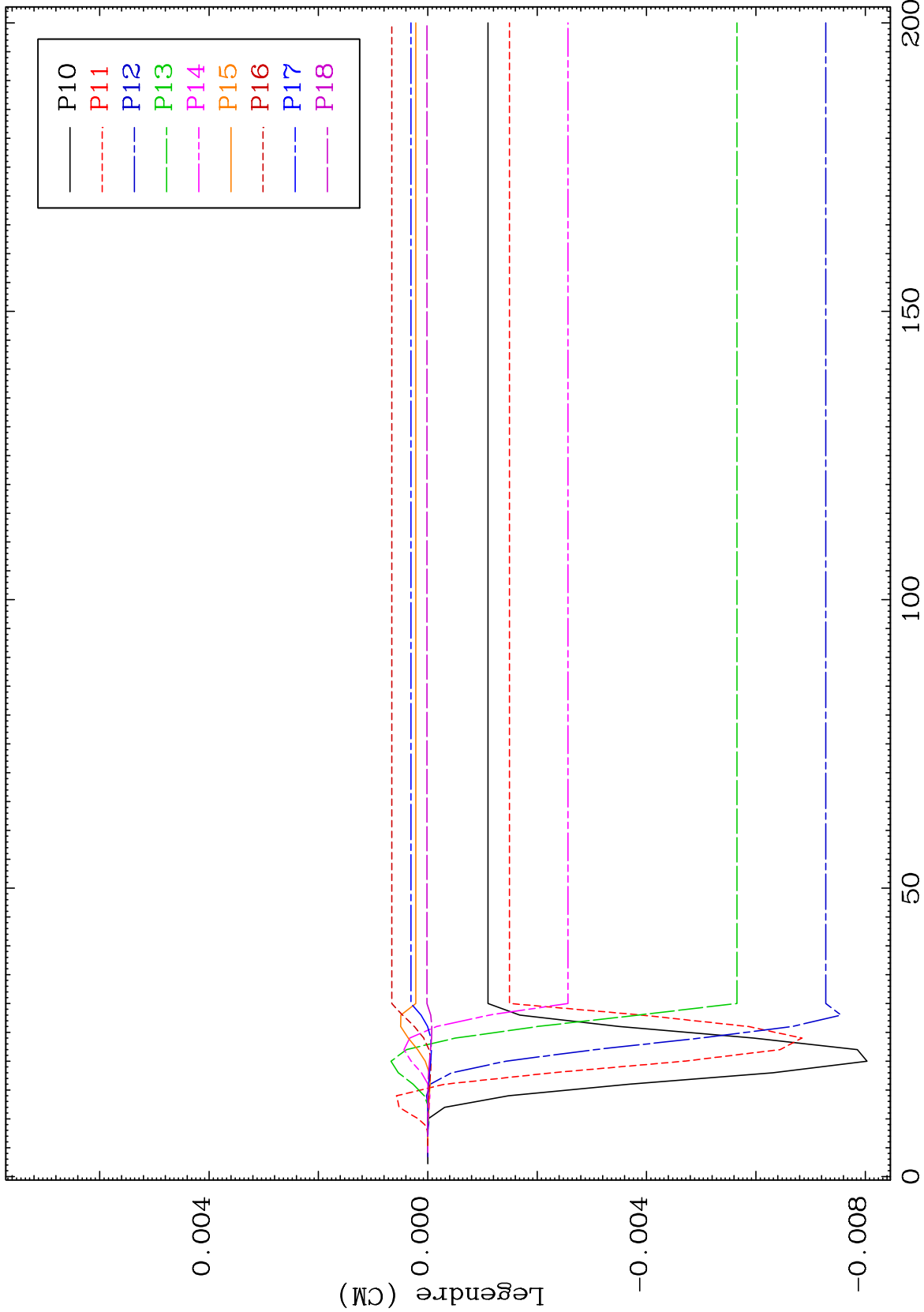
Incident Energy (MeV)

68

MAT 3907

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

39-Y -83



69

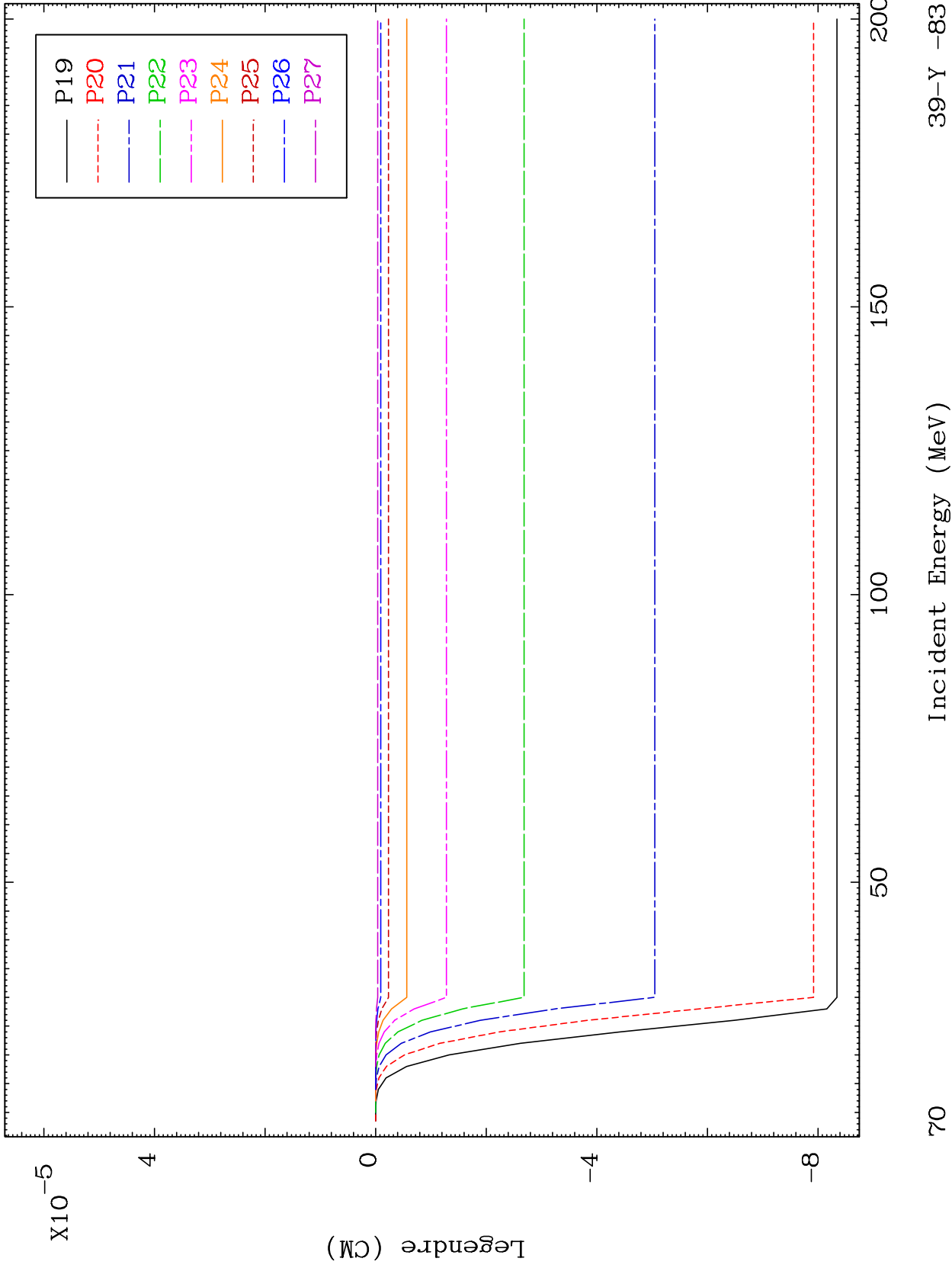
Incident Energy (MeV)

39-Y -83

MAT 3907

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

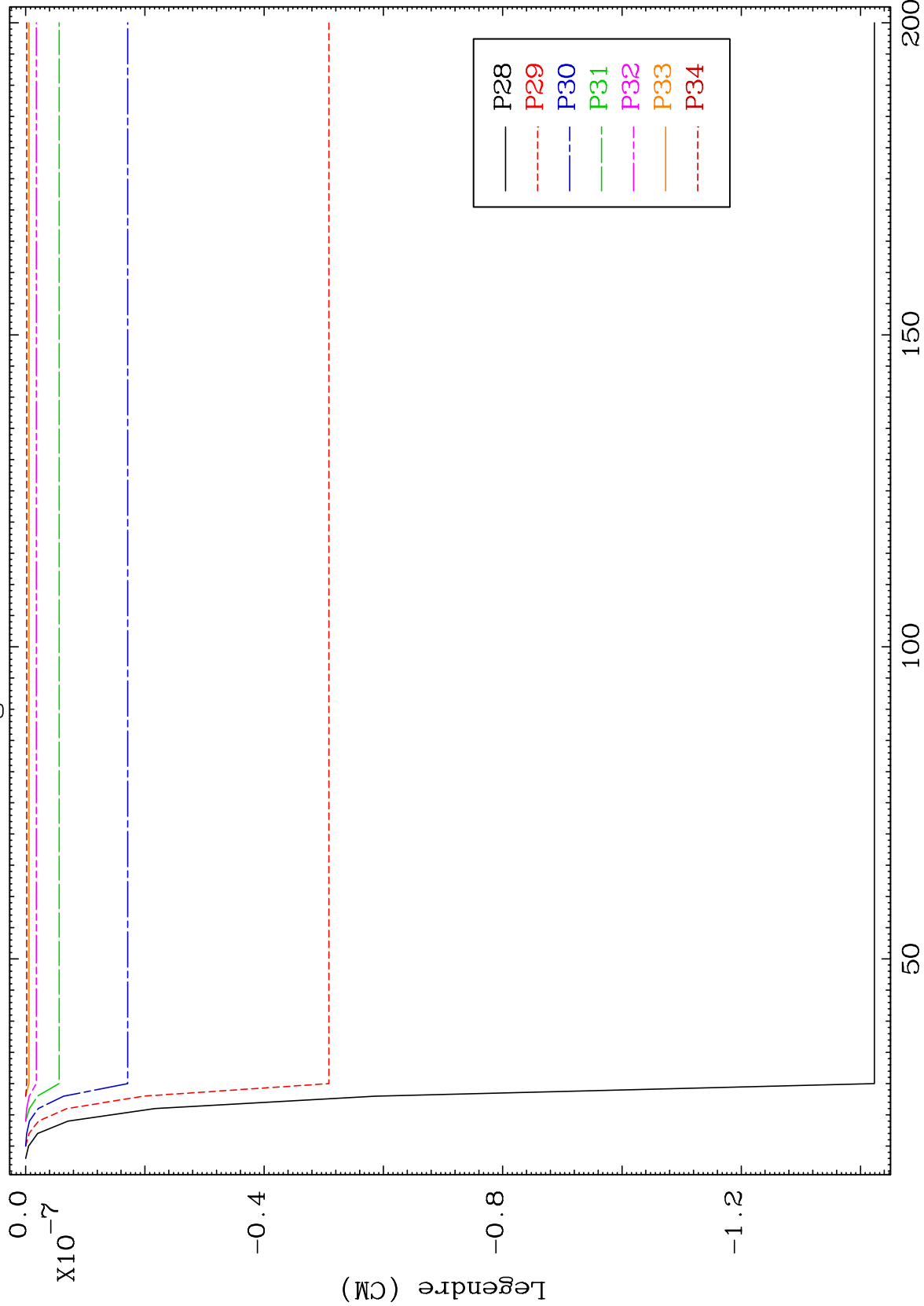
39-Y -83



MAT 3907

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

39-Y -83



71

Incident Energy (MeV)

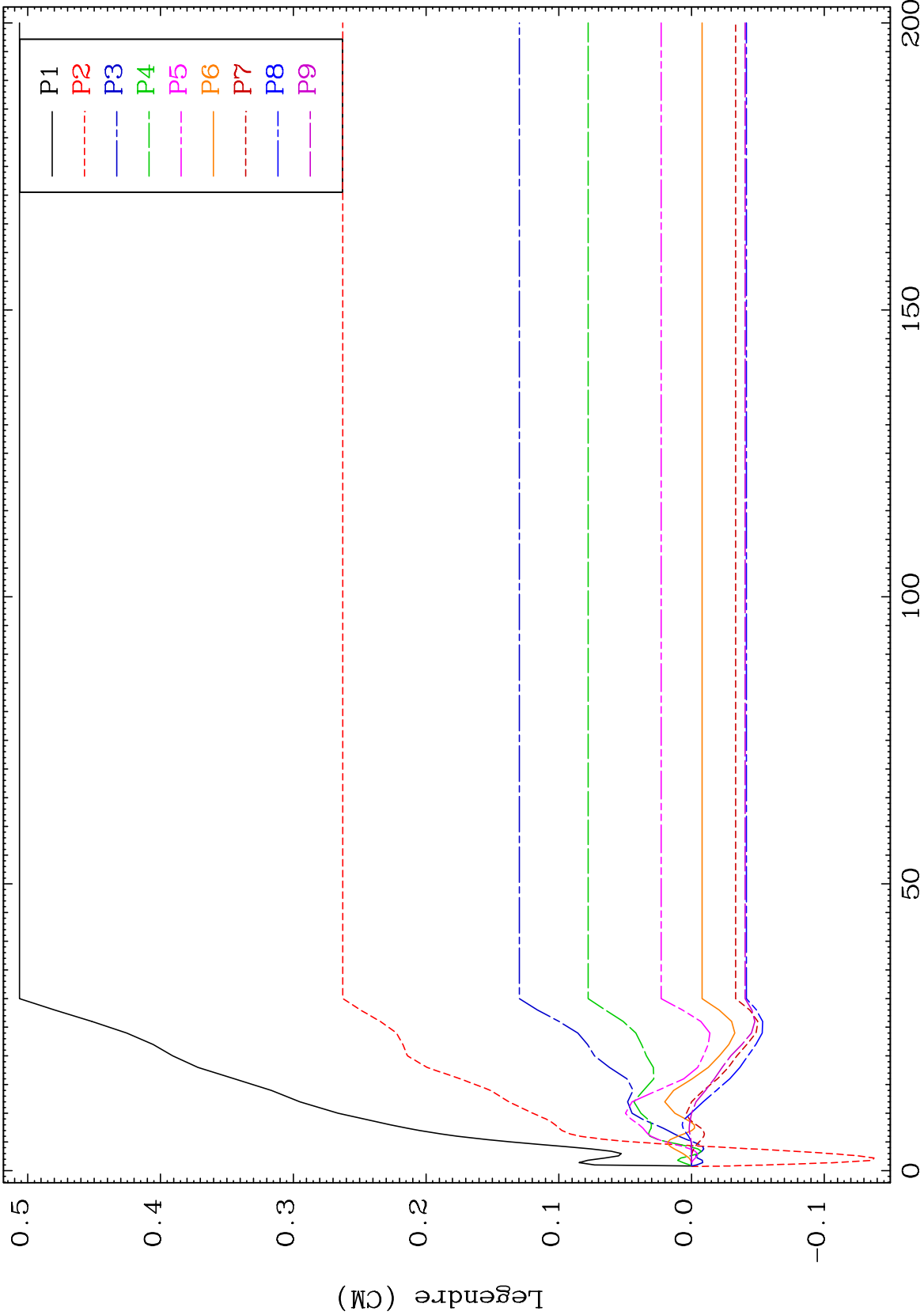
39-Y -83



MAT 3907

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

39-Y -83



72

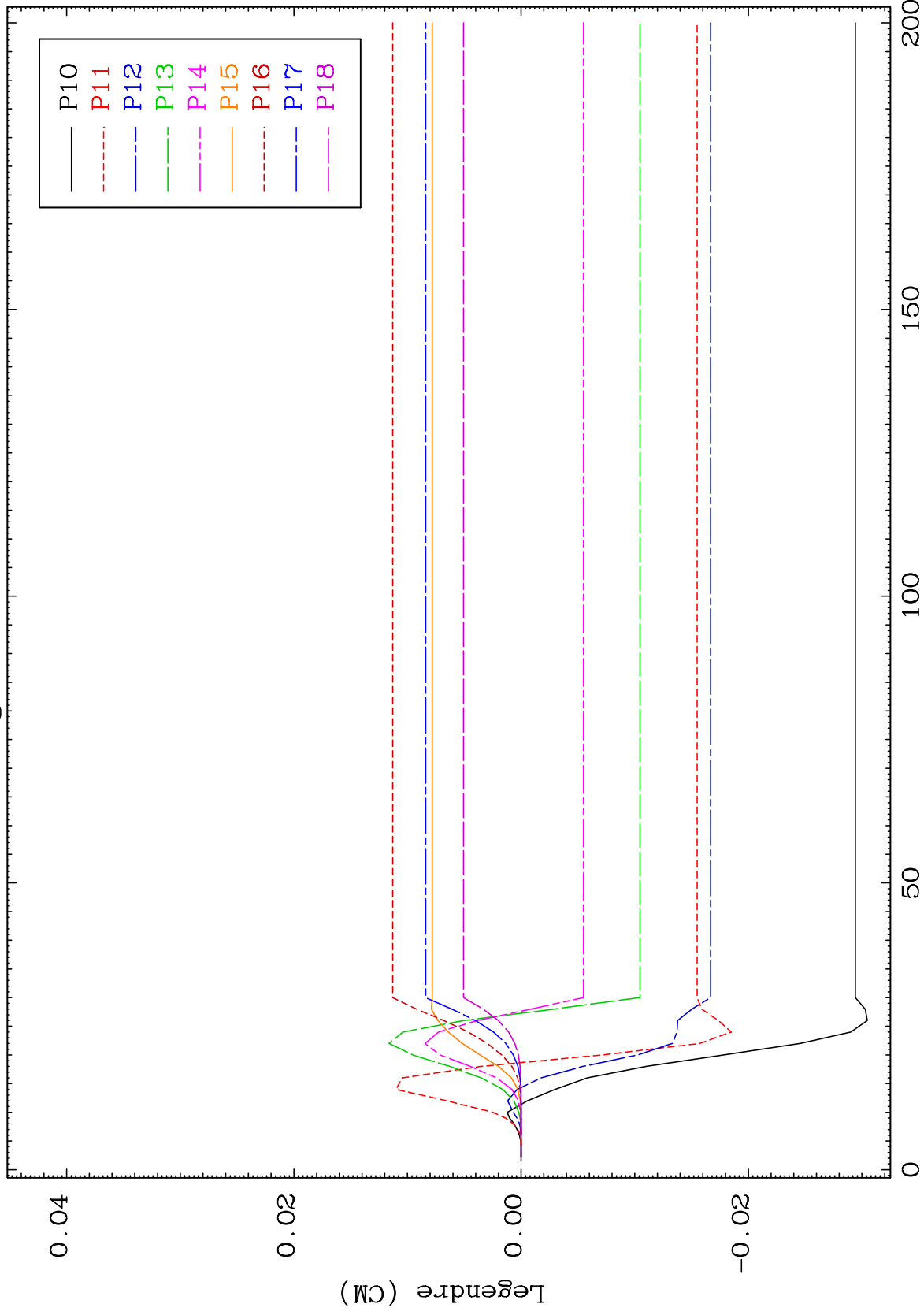
Incident Energy (MeV)

39-Y -83

MAT 3907

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

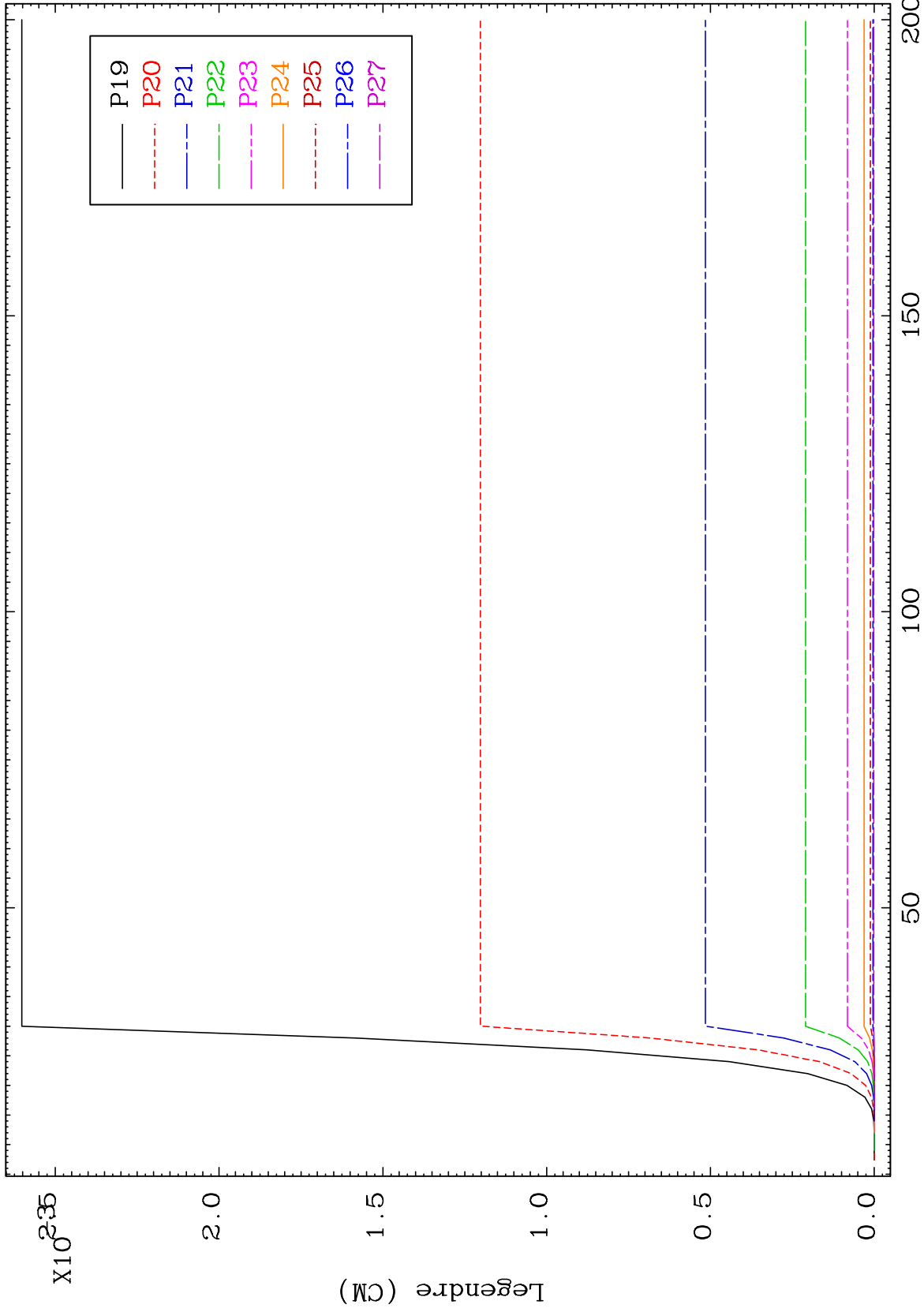
39-Y -83



73

Incident Energy (MeV)

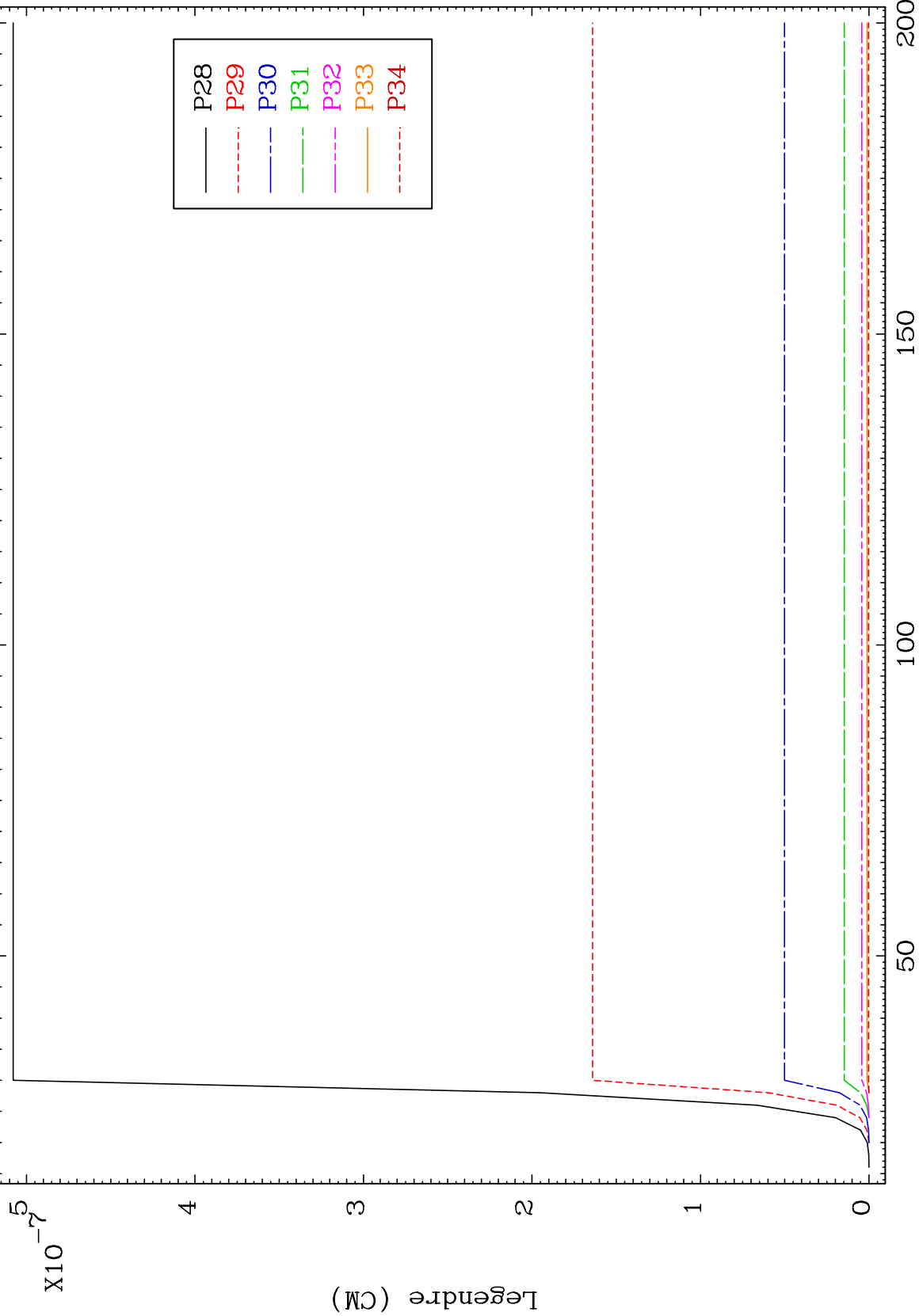
39-Y -83



MAT 3907

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

39-Y -83



75

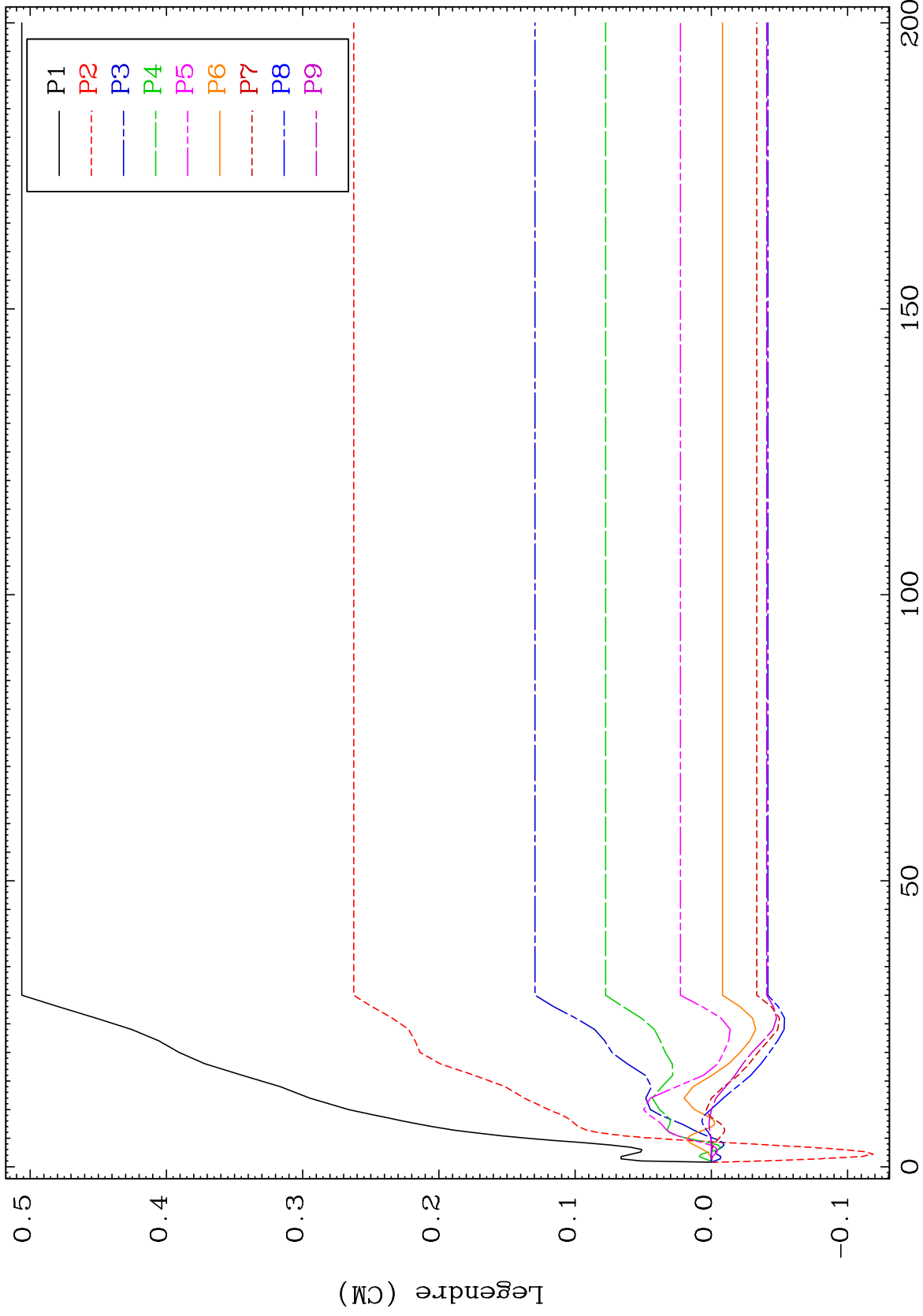
Incident Energy (MeV)

39-Y -83

MAT 3907

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

39-Y -83



76

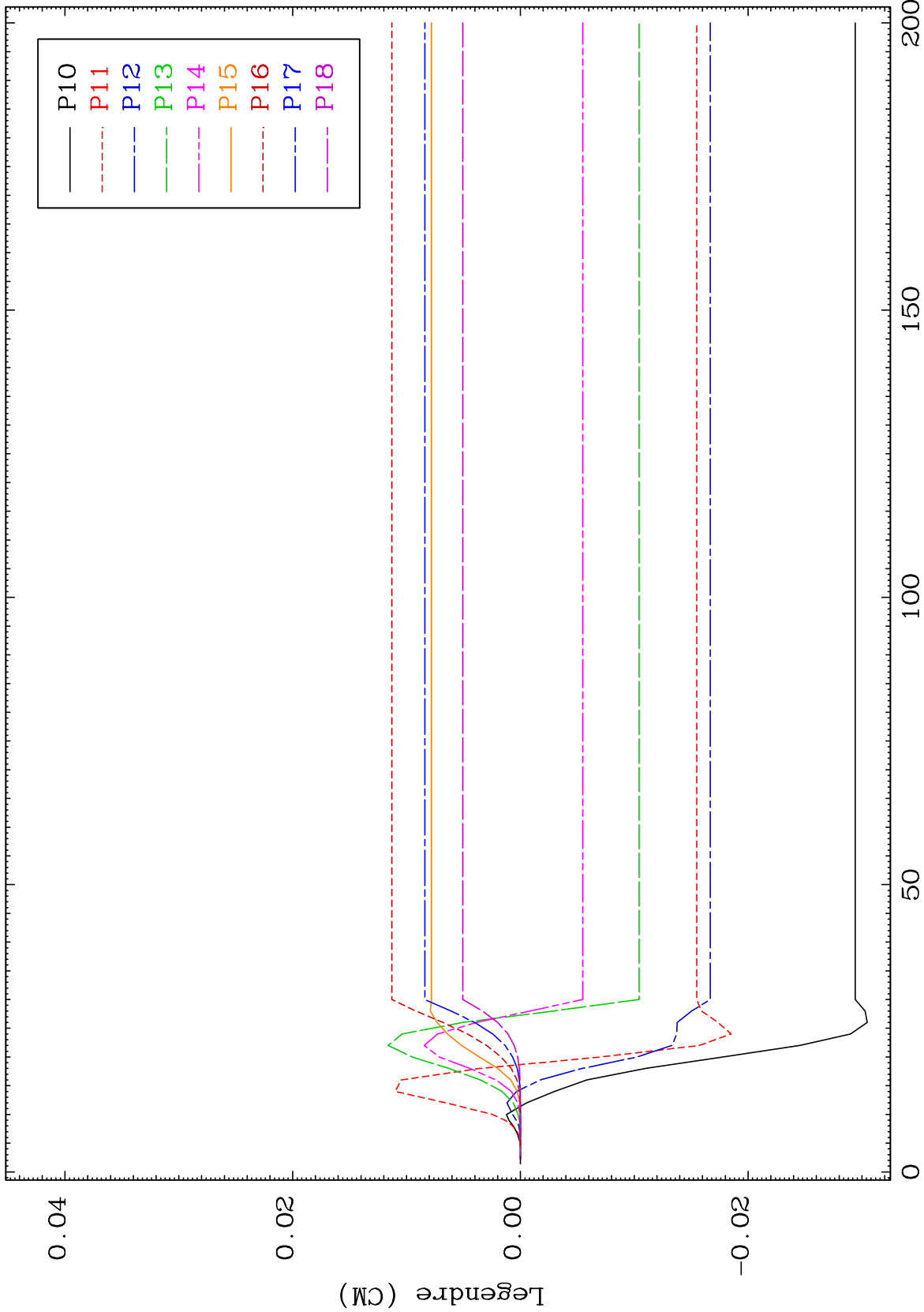
Incident Energy (MeV)

39-Y -83

MAT 3907

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

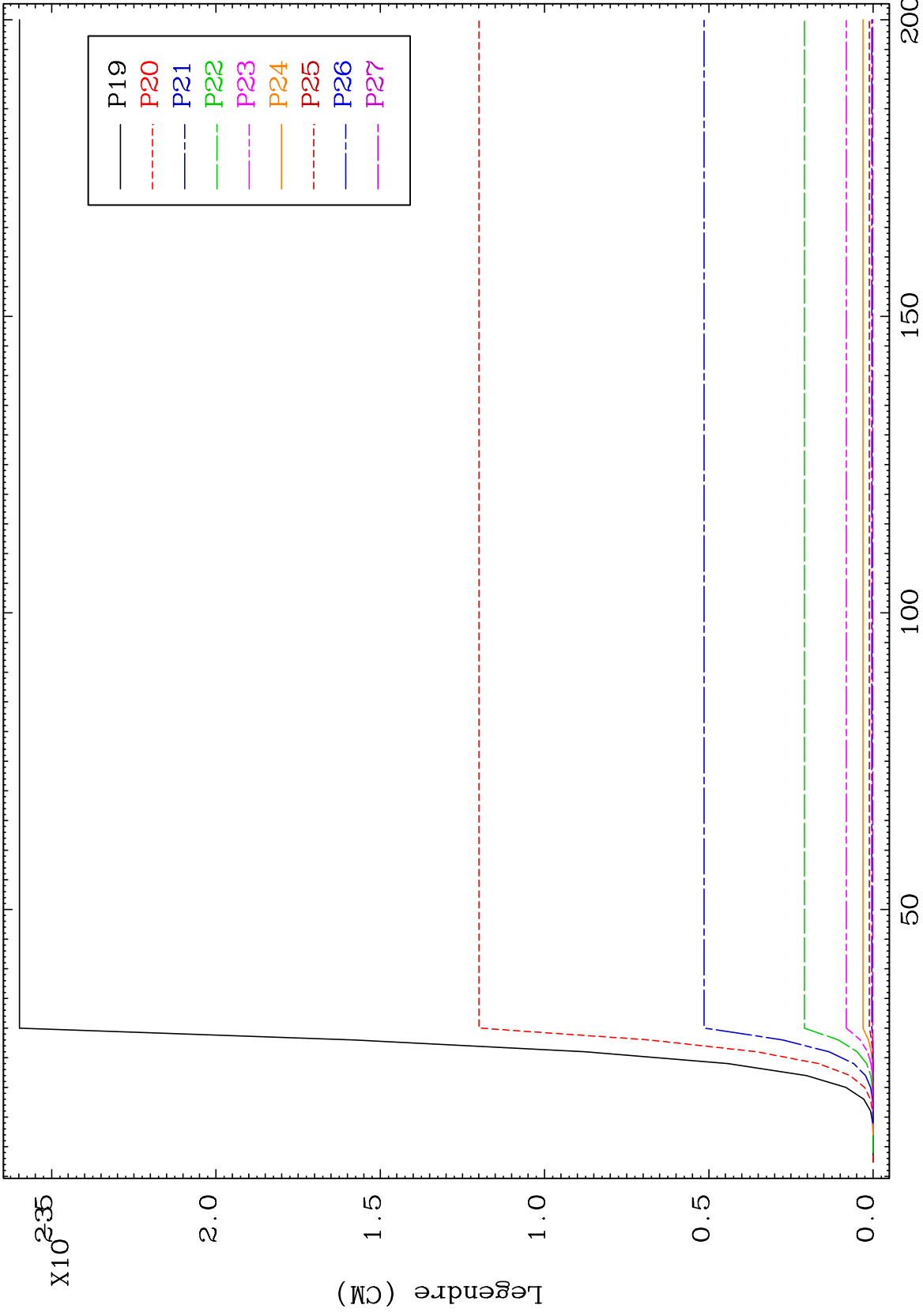
39-Y -83



77

Incident Energy (MeV)

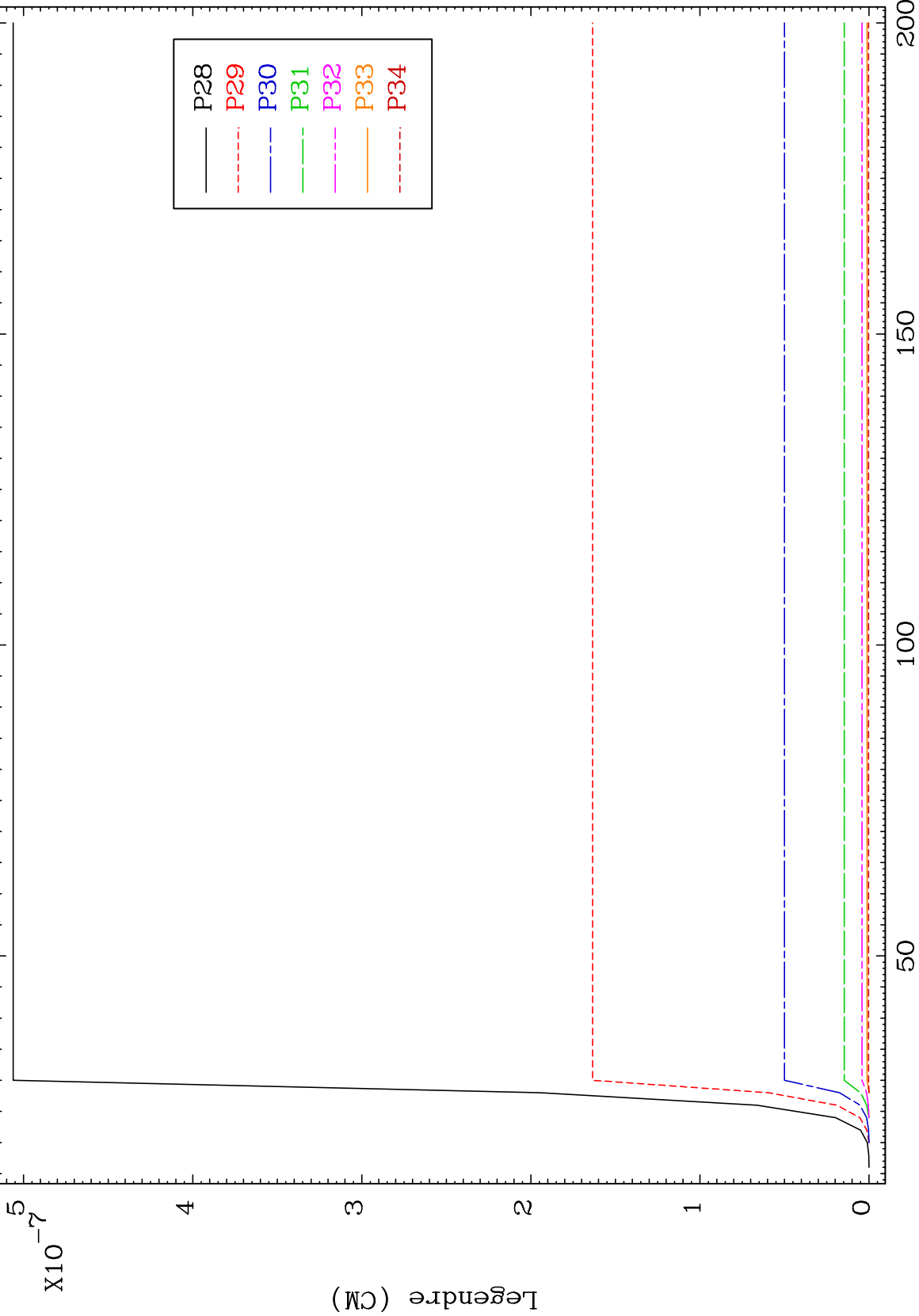
39-Y -83



MAT 3907

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

39-Y -83



79

Incident Energy (MeV)

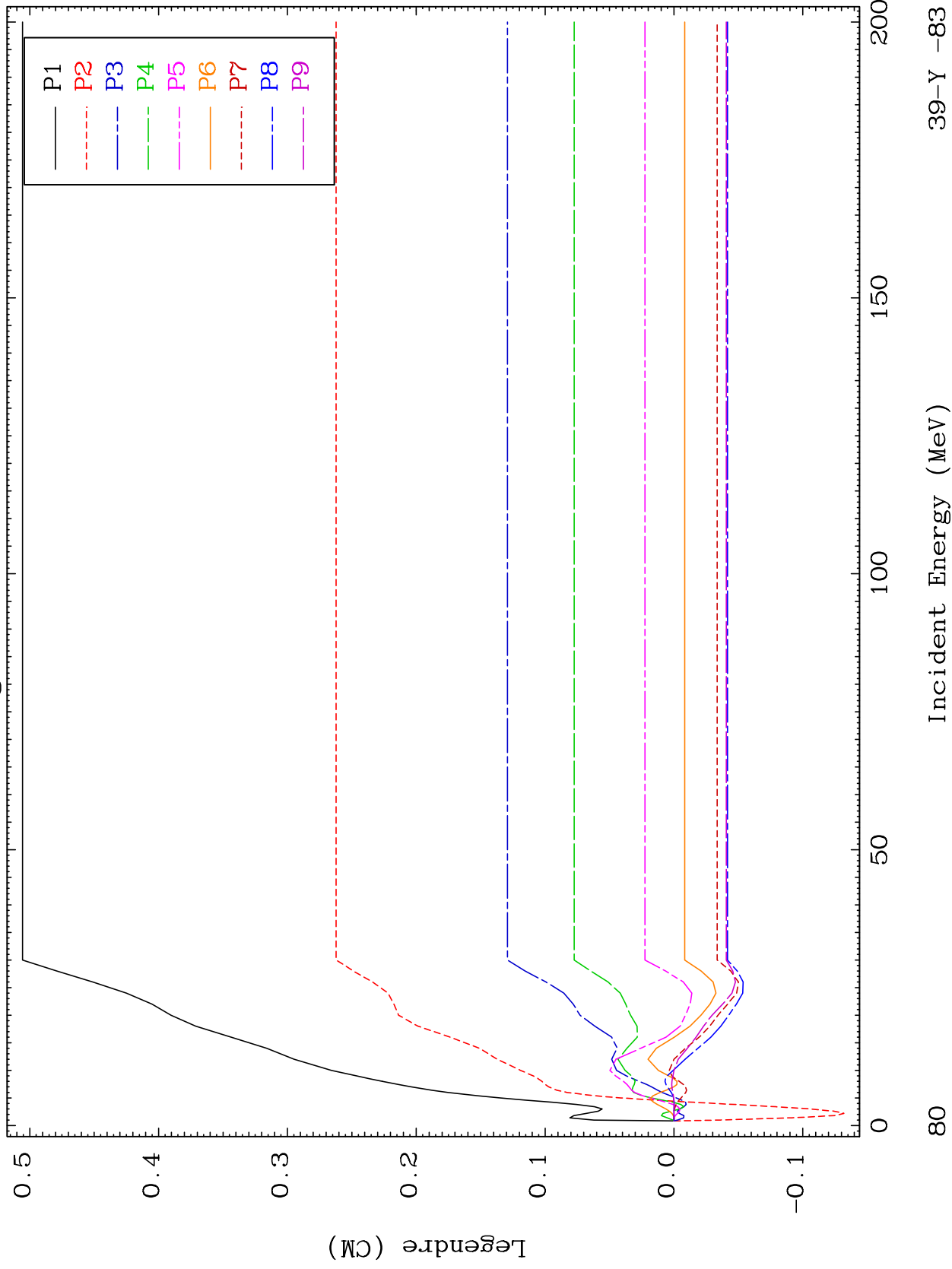
39-Y -83



MAT 3907

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

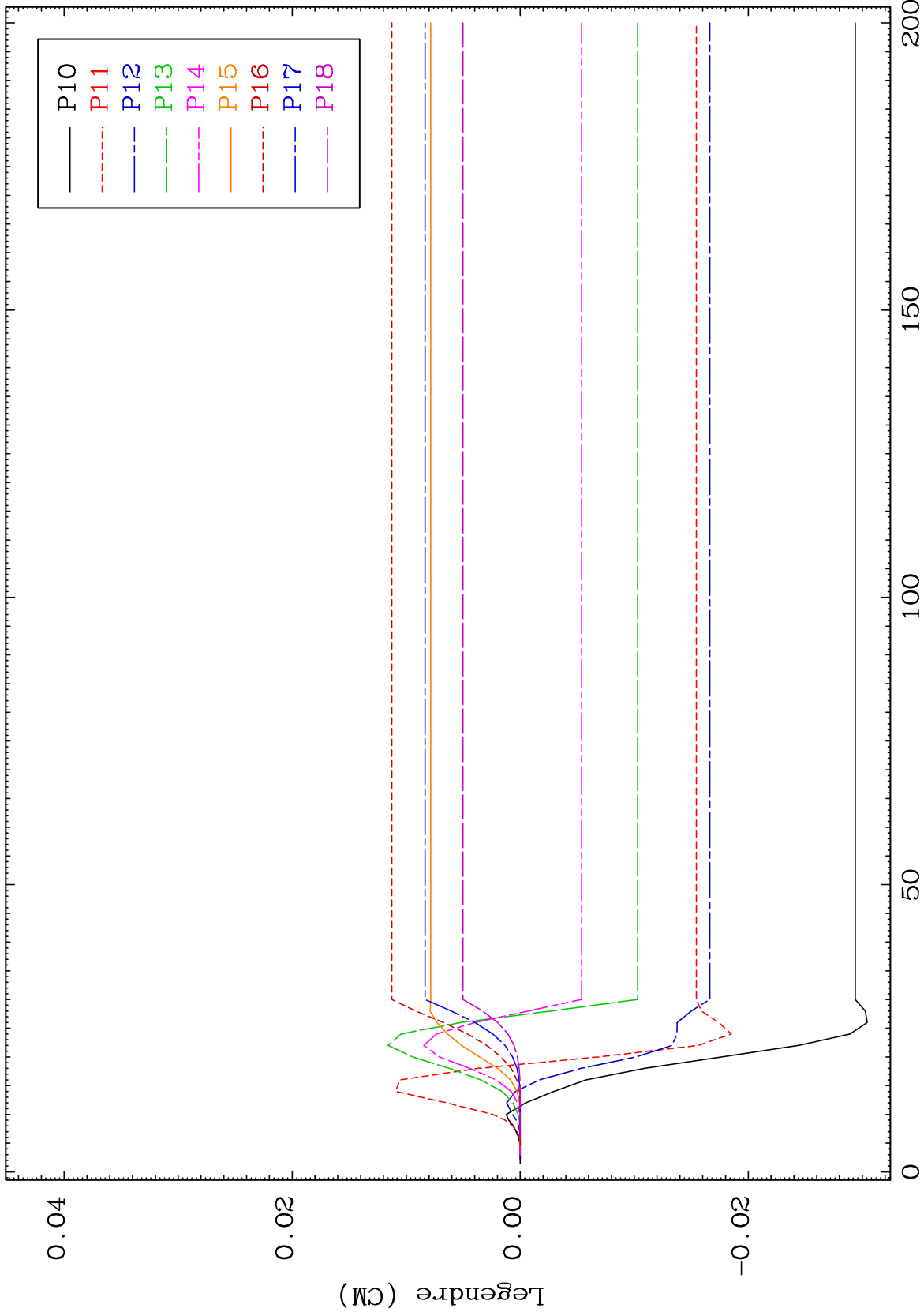
39-Y -83



MAT 3907

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

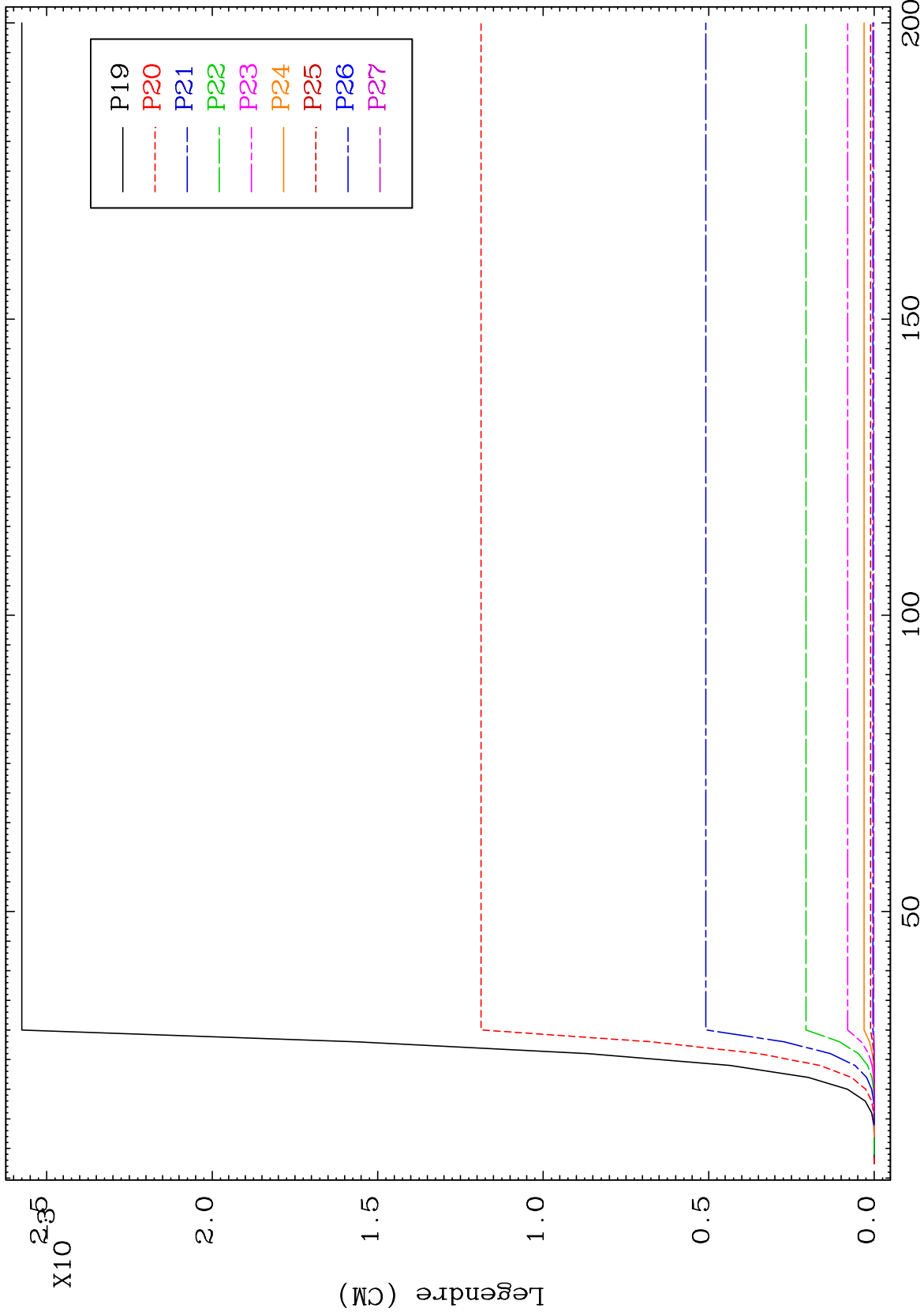
39-Y -83



81

Incident Energy (MeV)

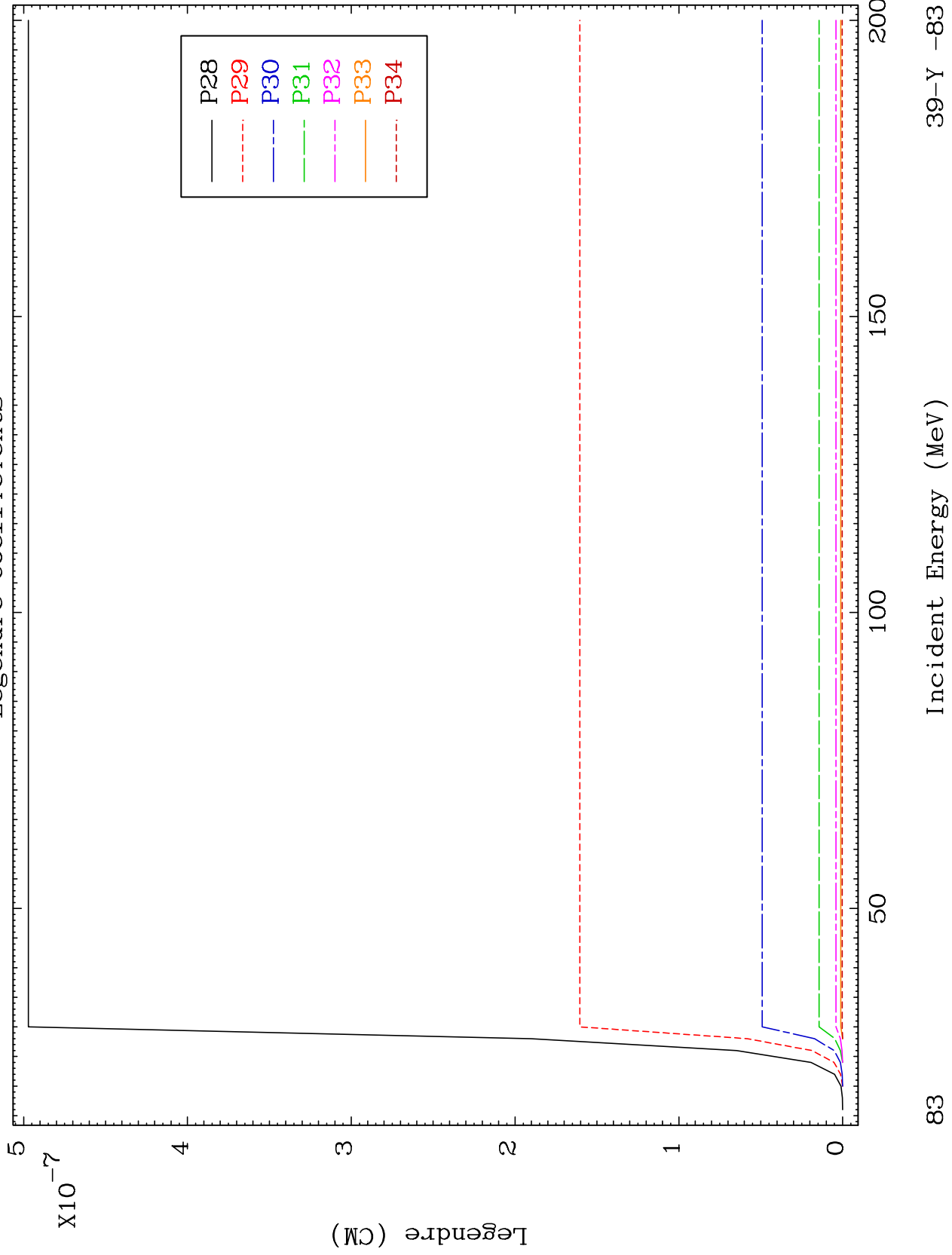
39-Y -83



MAT 3907

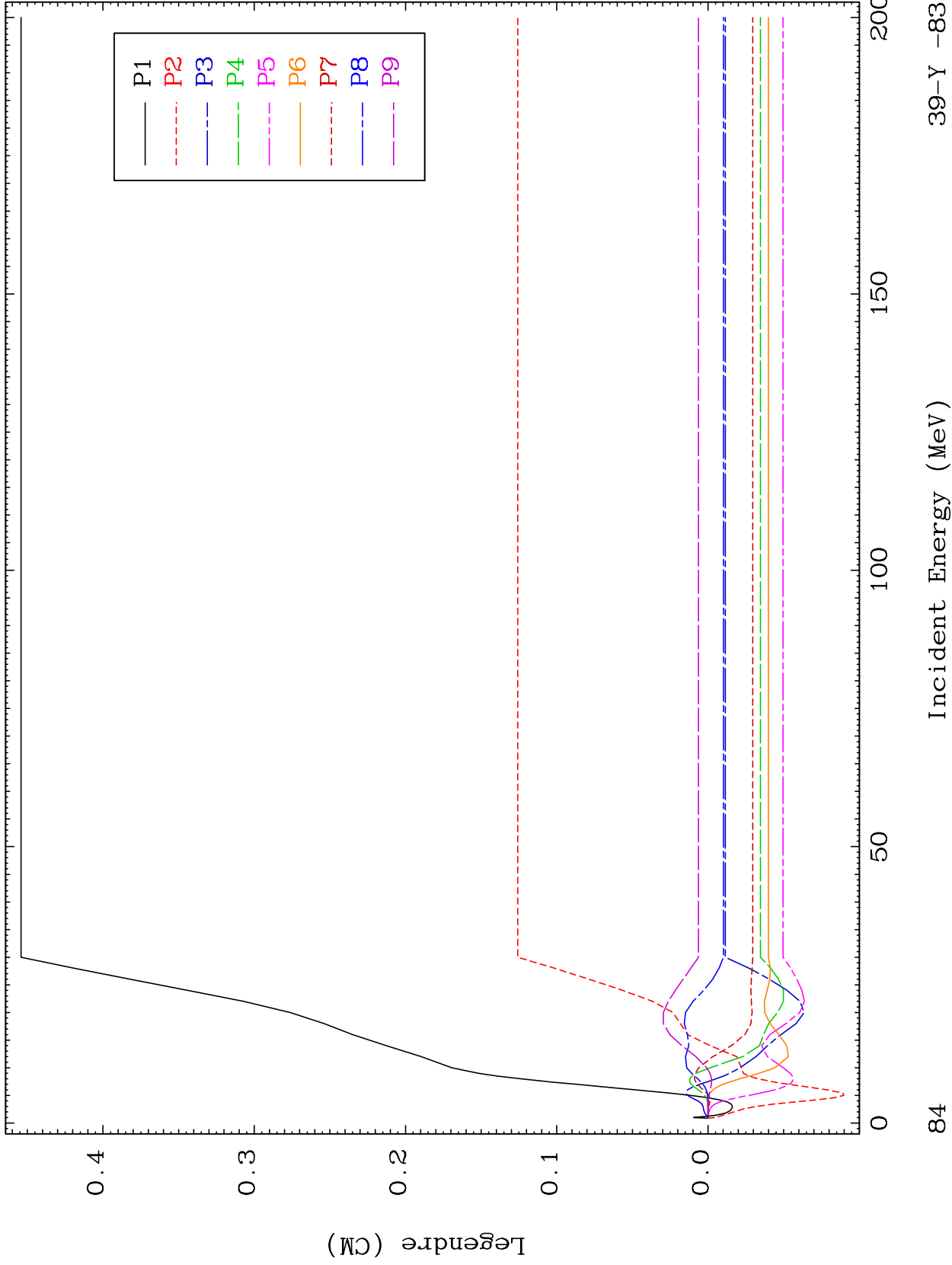
MT= 67 (n,n') Level  
Legendre Coefficients

39-Y -83



83

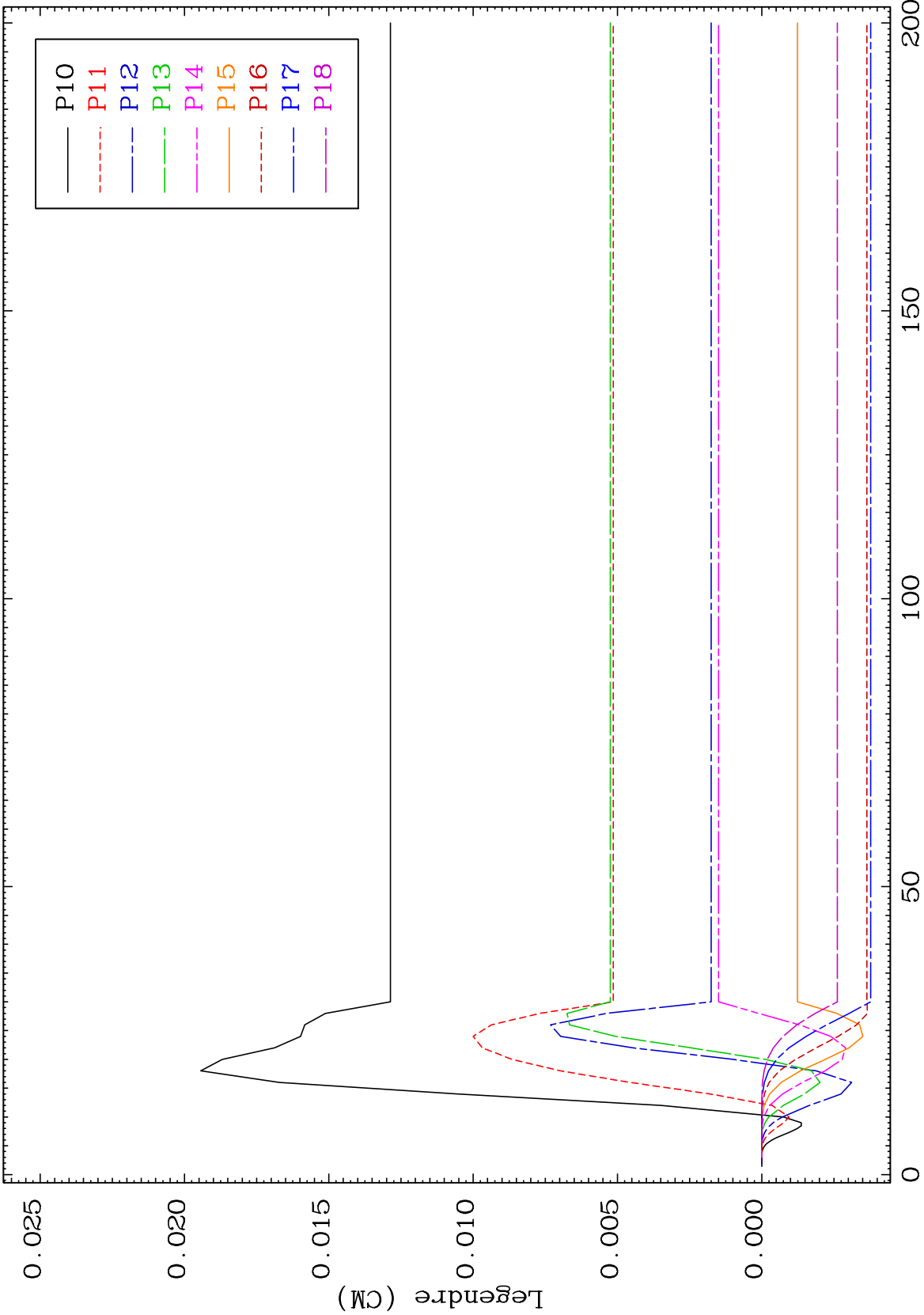
39-Y -83



MAT 3907

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

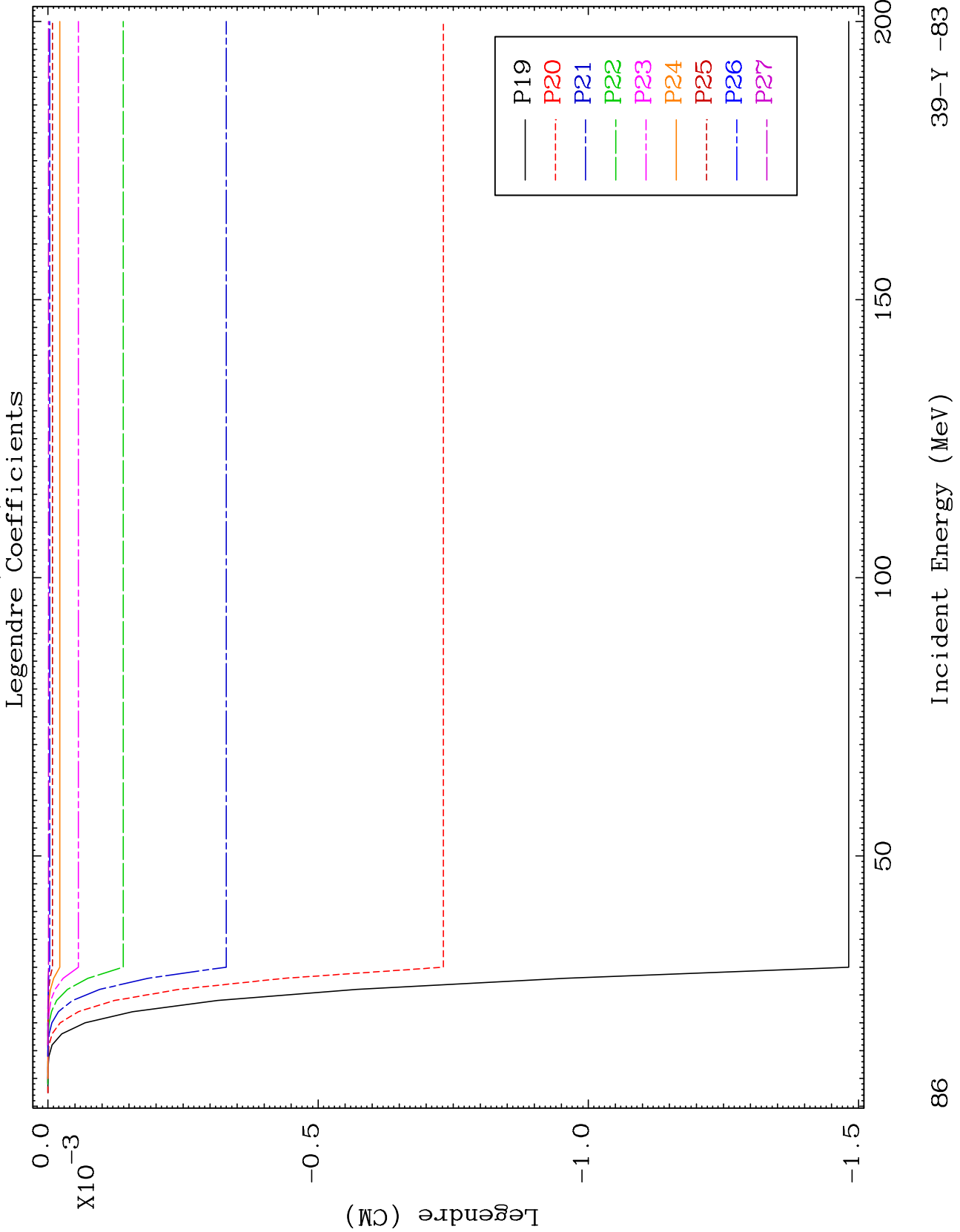
39-Y -83

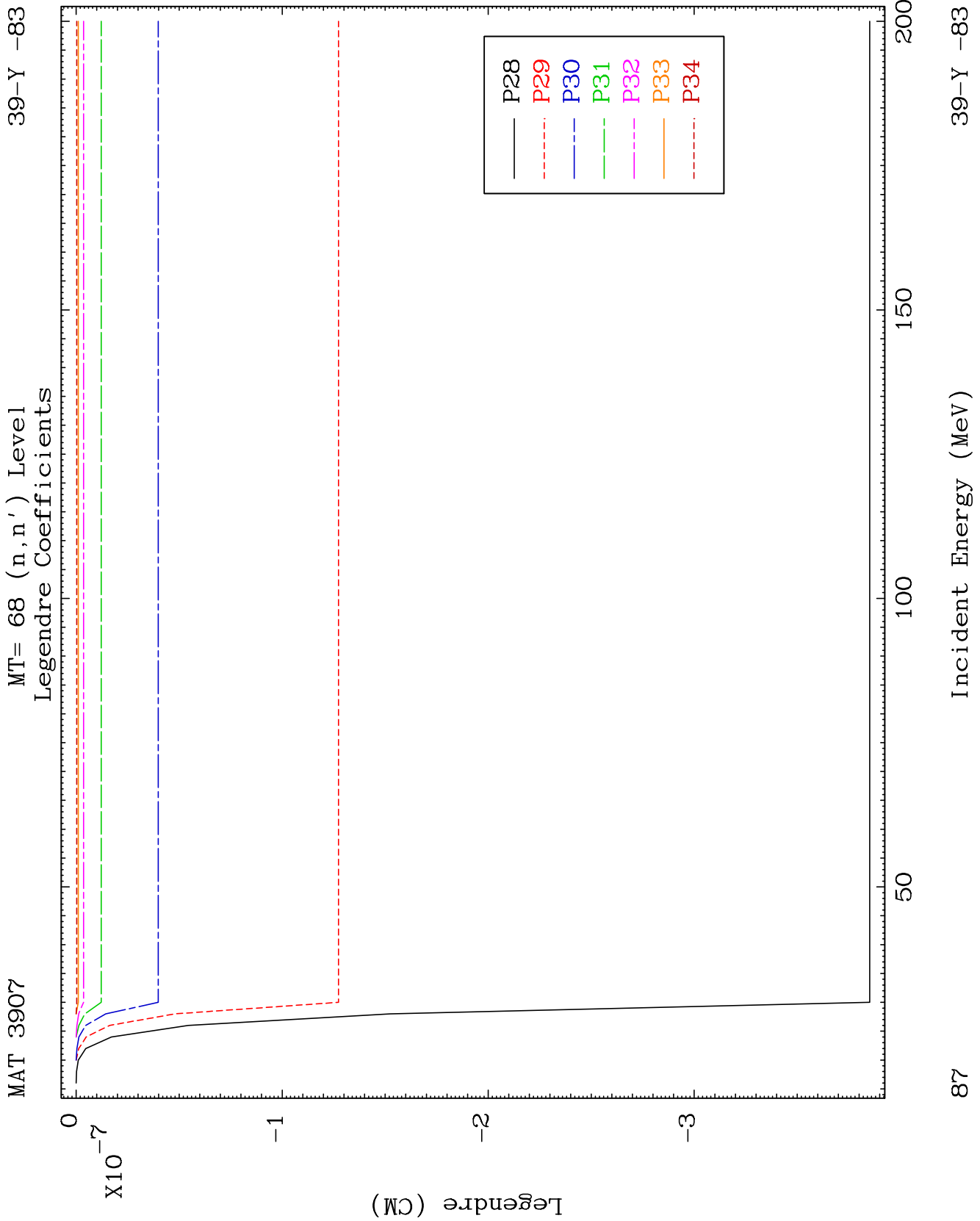


85

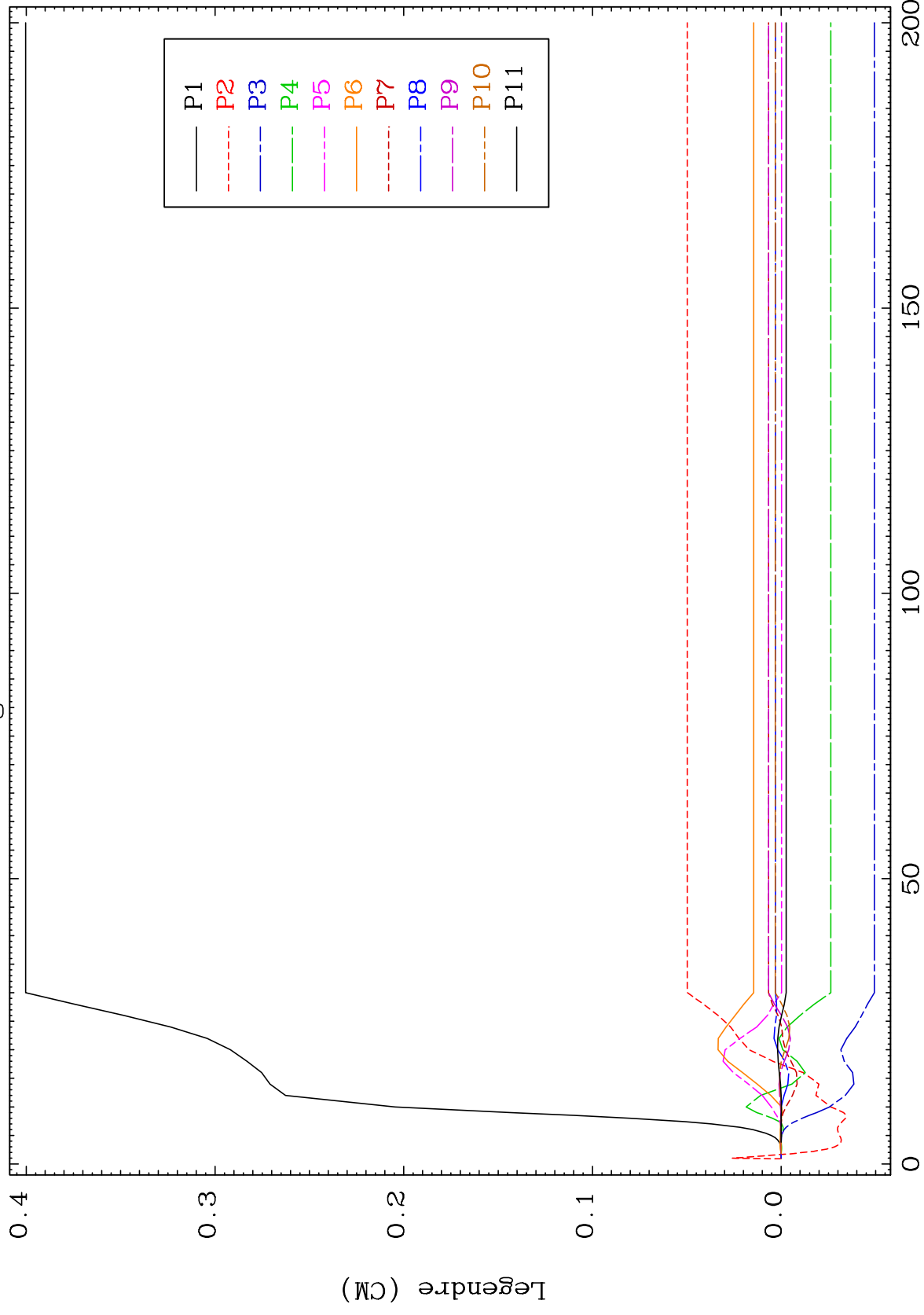
Incident Energy (MeV)

39-Y -83





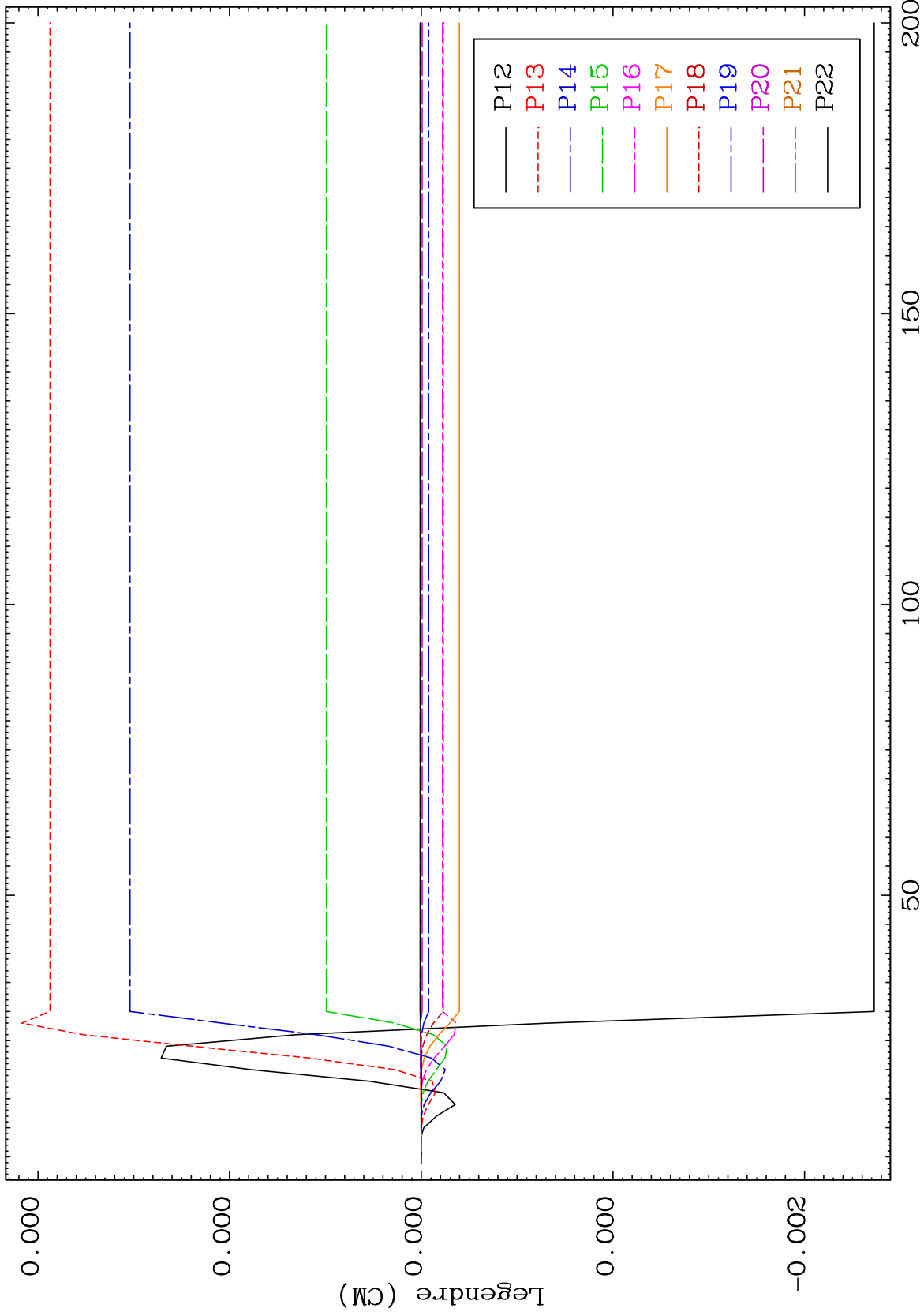




MAT 3907

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

39-Y -83



89

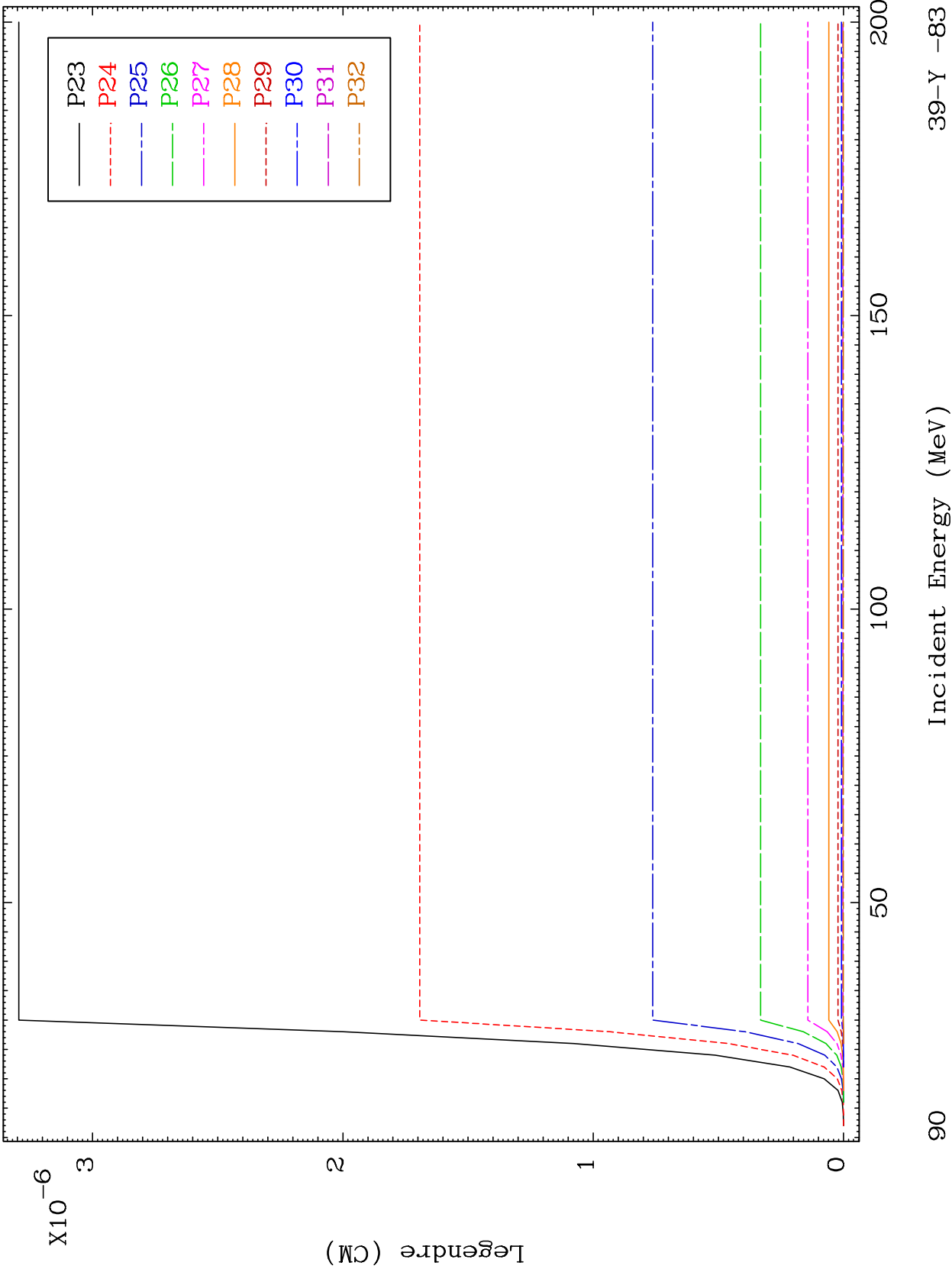
Incident Energy (MeV)

39-Y -83

MAT 3907

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

39-Y -83



90

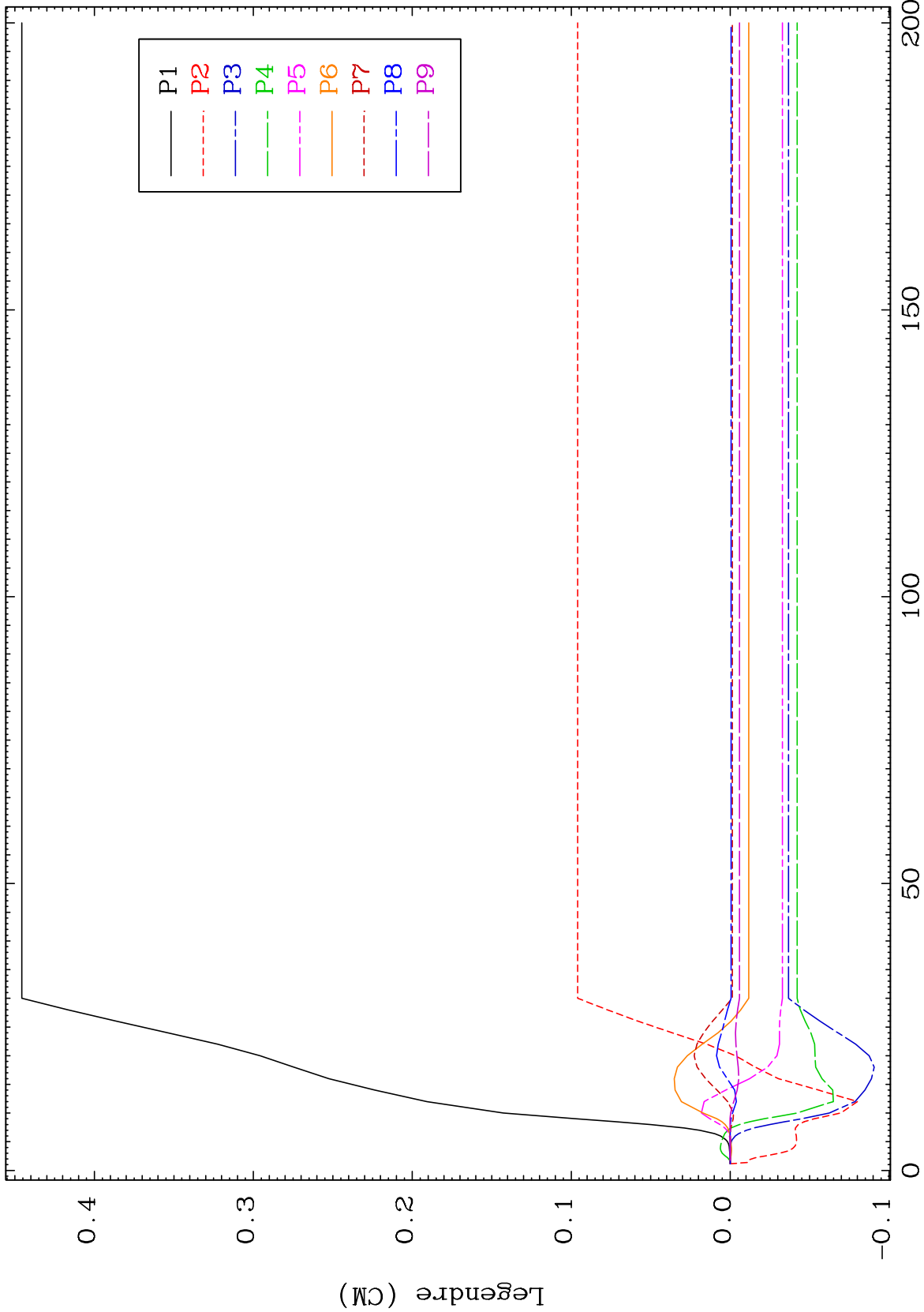
Incident Energy (MeV)

39-Y -83

MAT 3907

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

39-Y -83



91

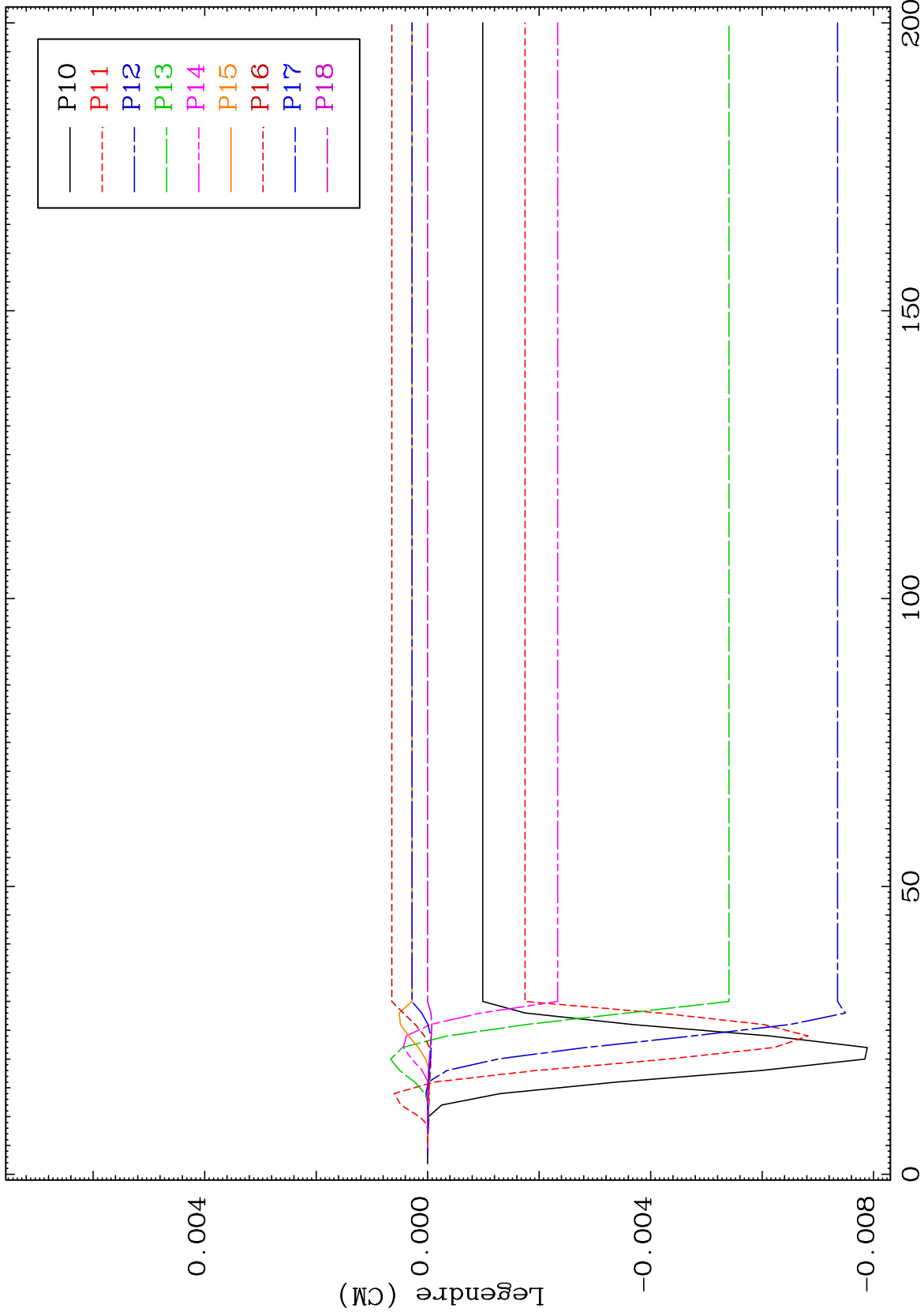
Incident Energy (MeV)

39-Y -83

MAT 3907

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

39-Y -83



92

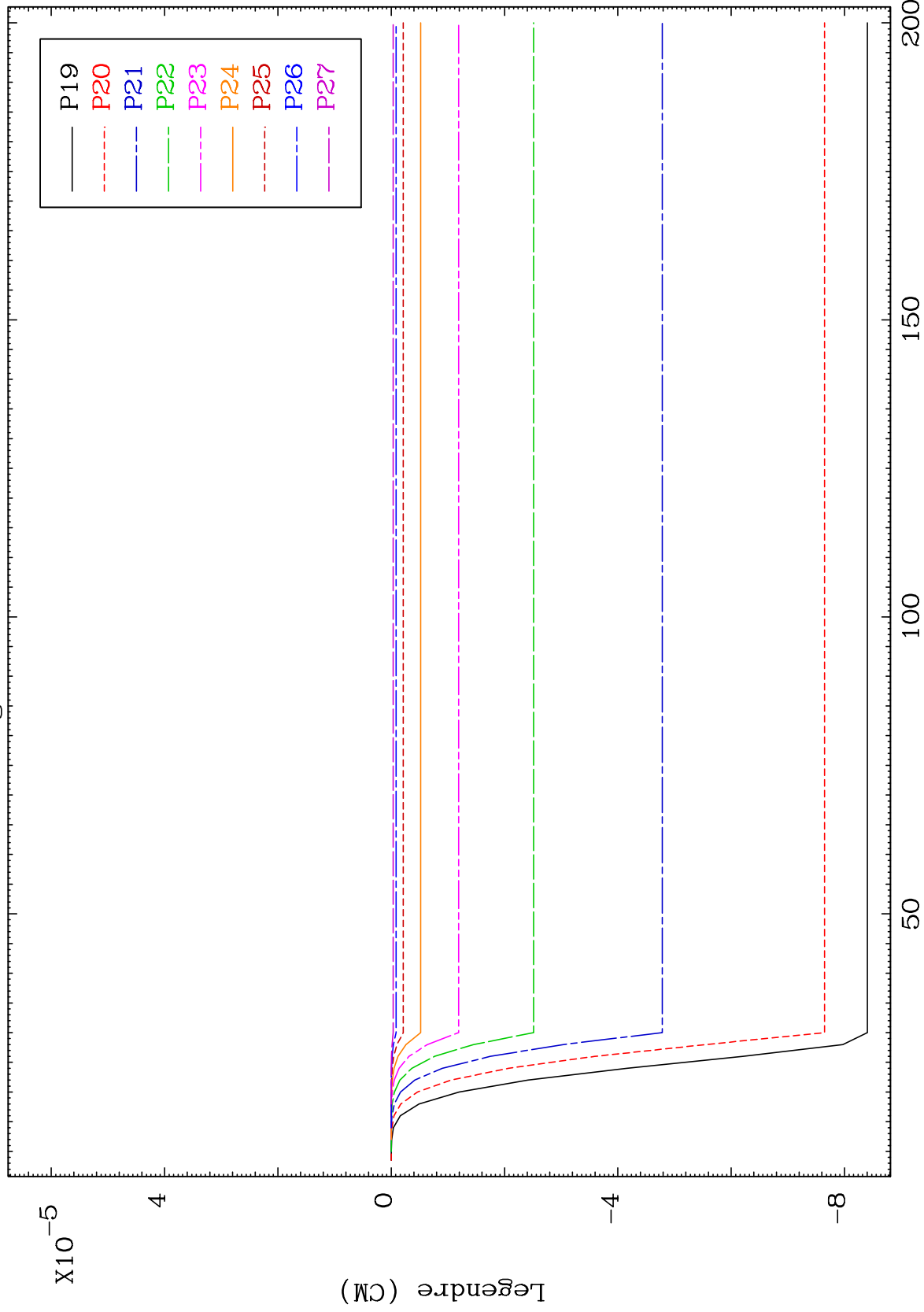
Incident Energy (MeV)

39-Y -83

MAT 3907

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

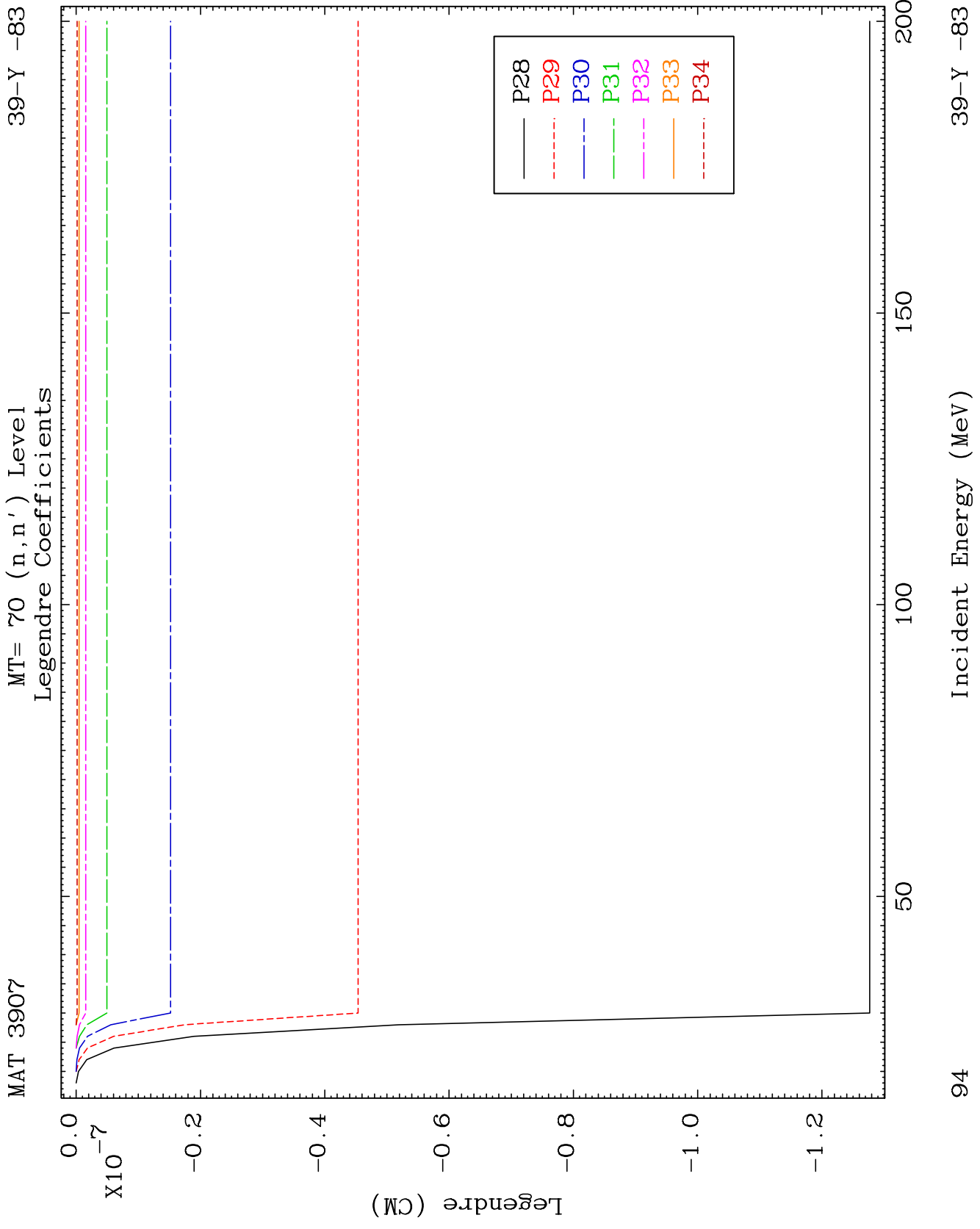
39-Y -83



93

Incident Energy (MeV)

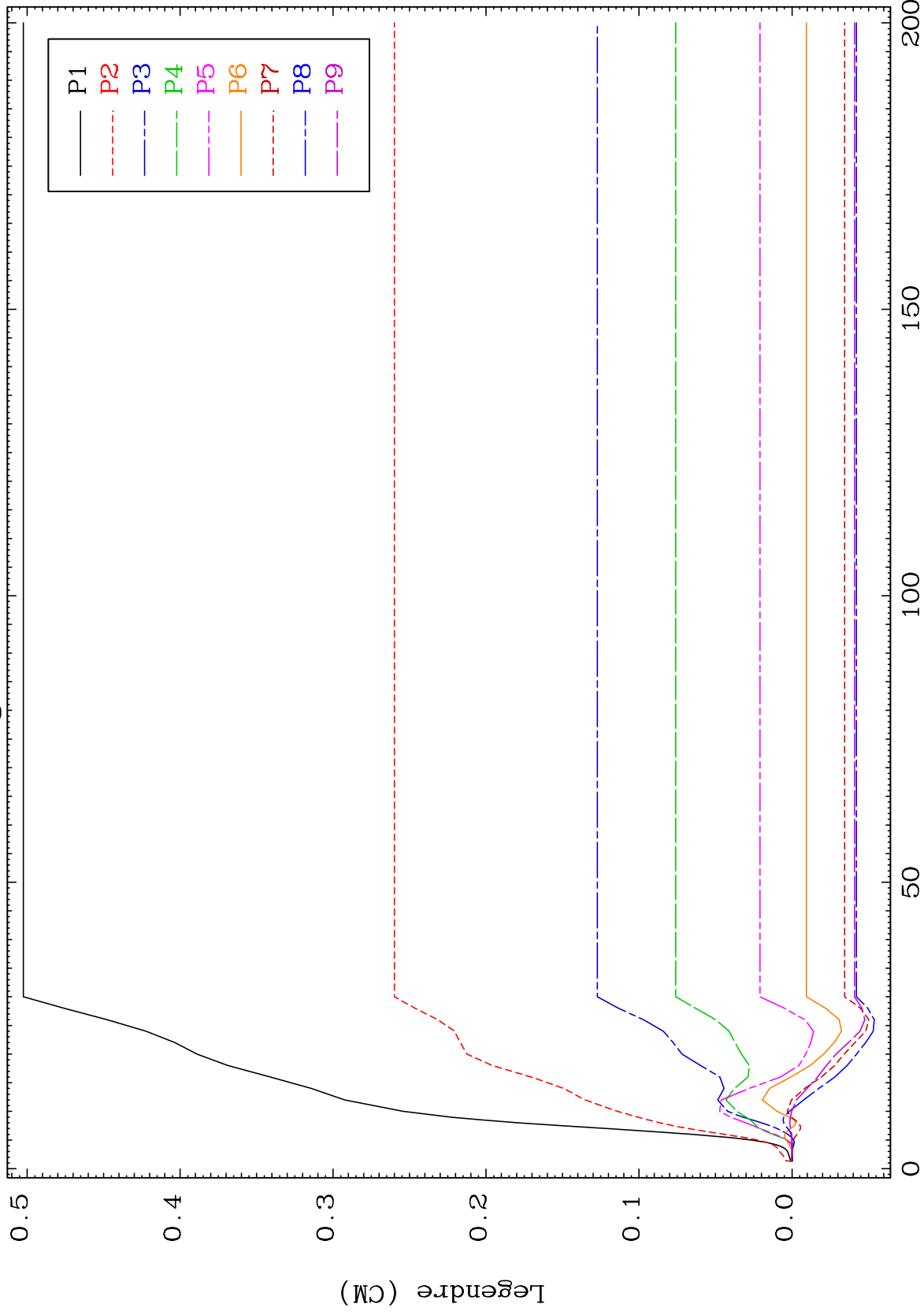
39-Y -83



MAT 3907

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

39-Y -83



95

Incident Energy (MeV)

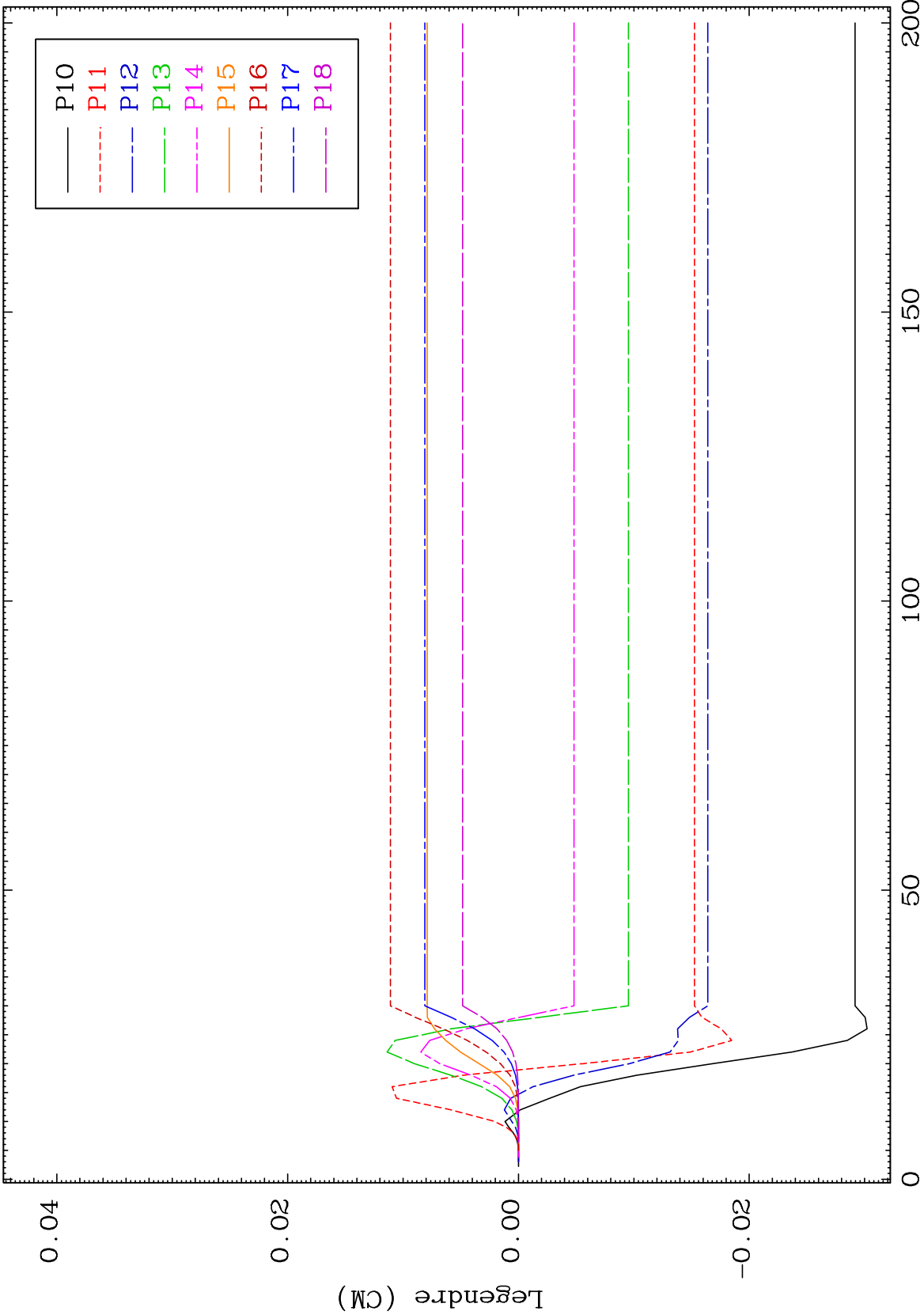
39-Y -83



MAT 3907

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

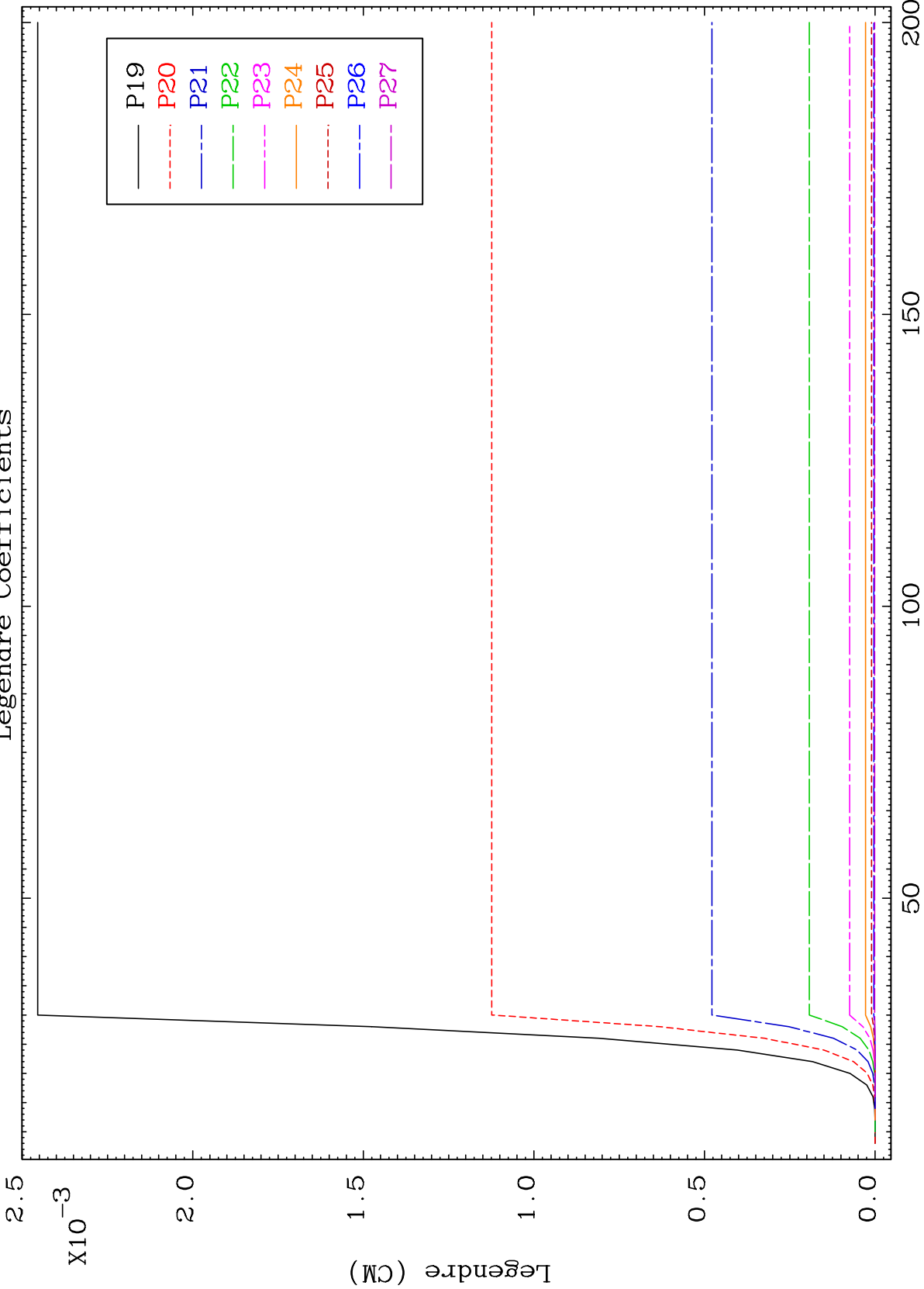
39-Y -83



96

Incident Energy (MeV)

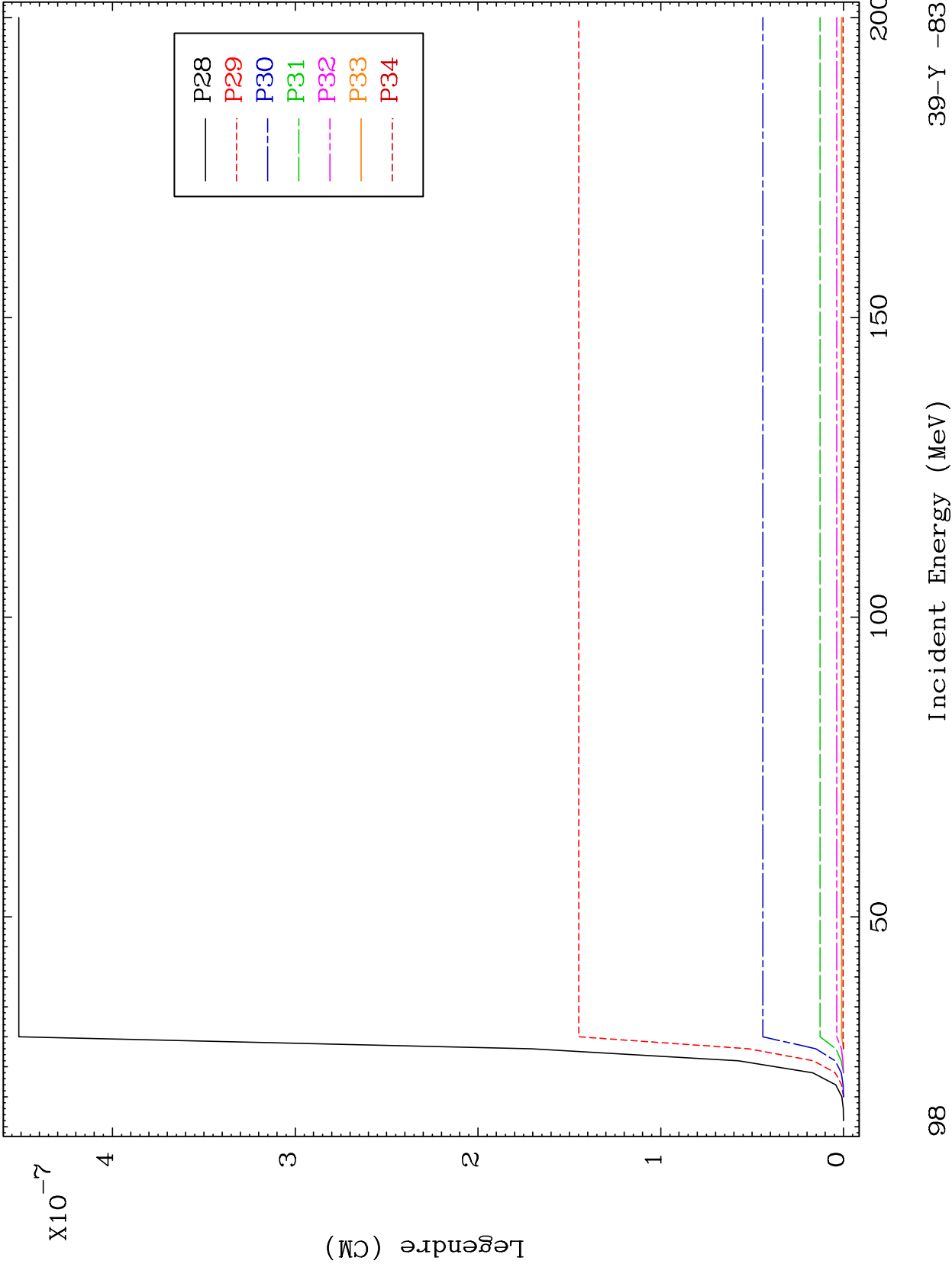
39-Y -83



MAT 3907

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

39-Y -83



98

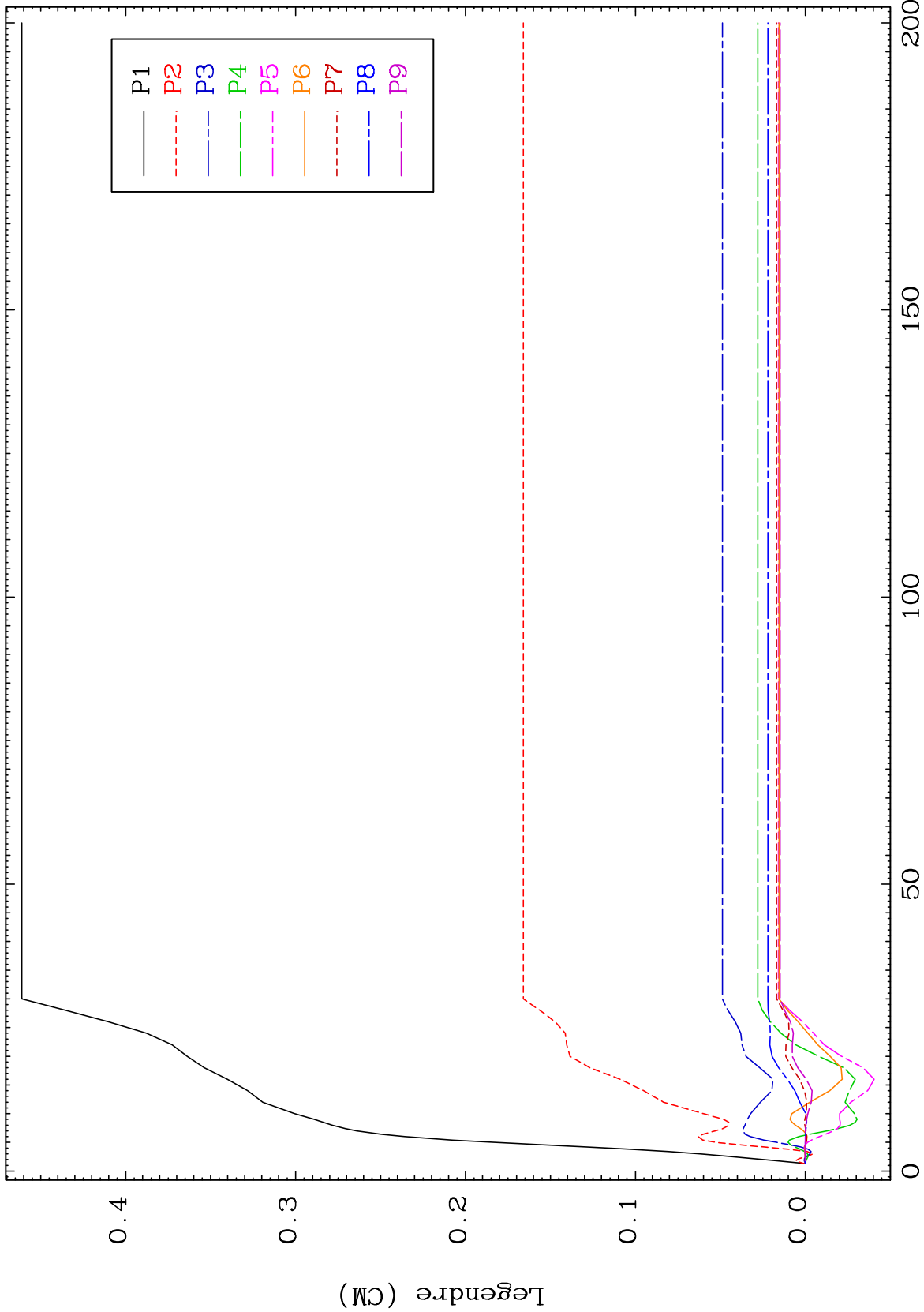
Incident Energy (MeV)

39-Y -83

MAT 3907

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

39-Y -83



99

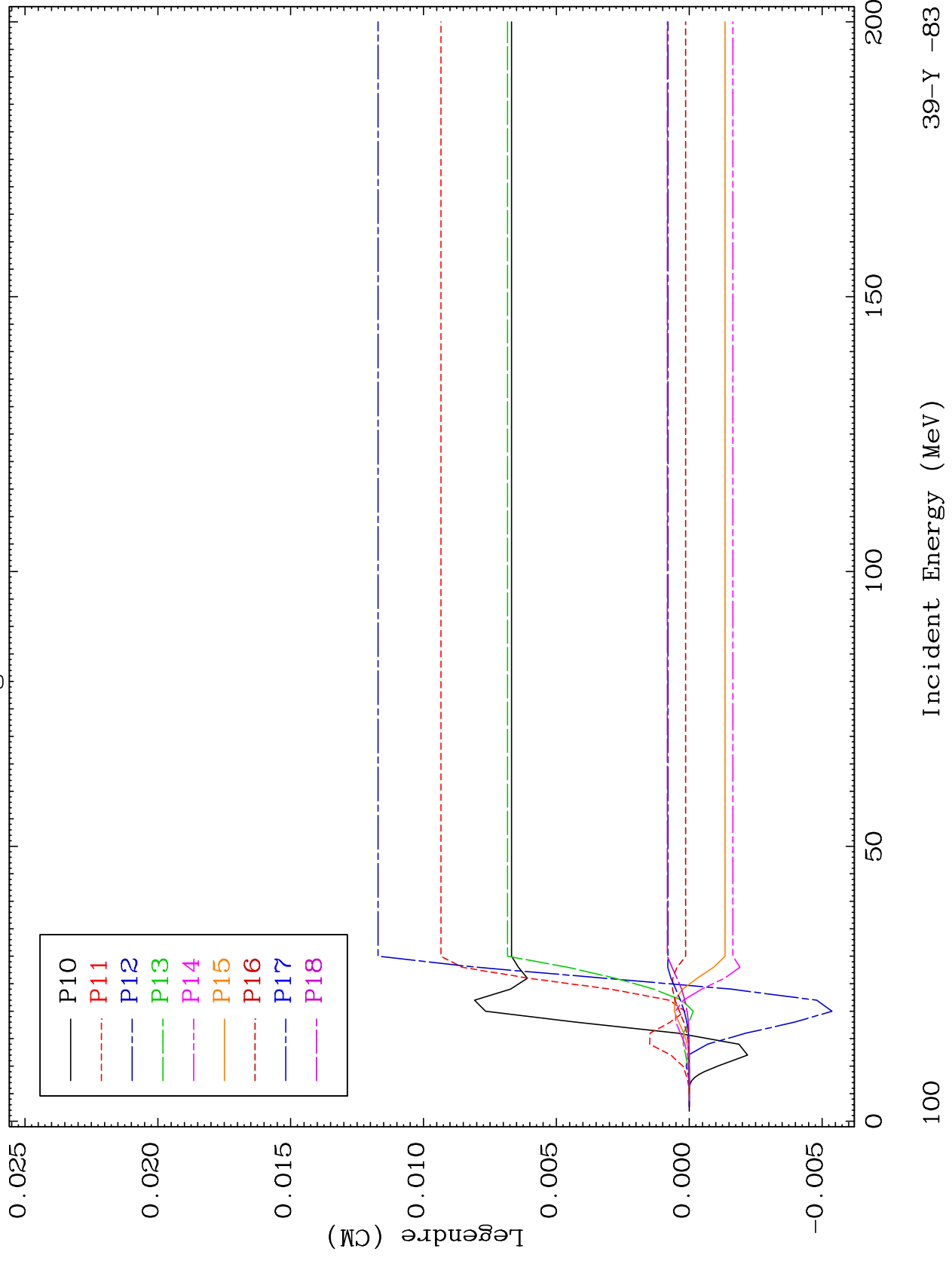
Incident Energy (MeV)

39-Y -83

MAT 3907

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

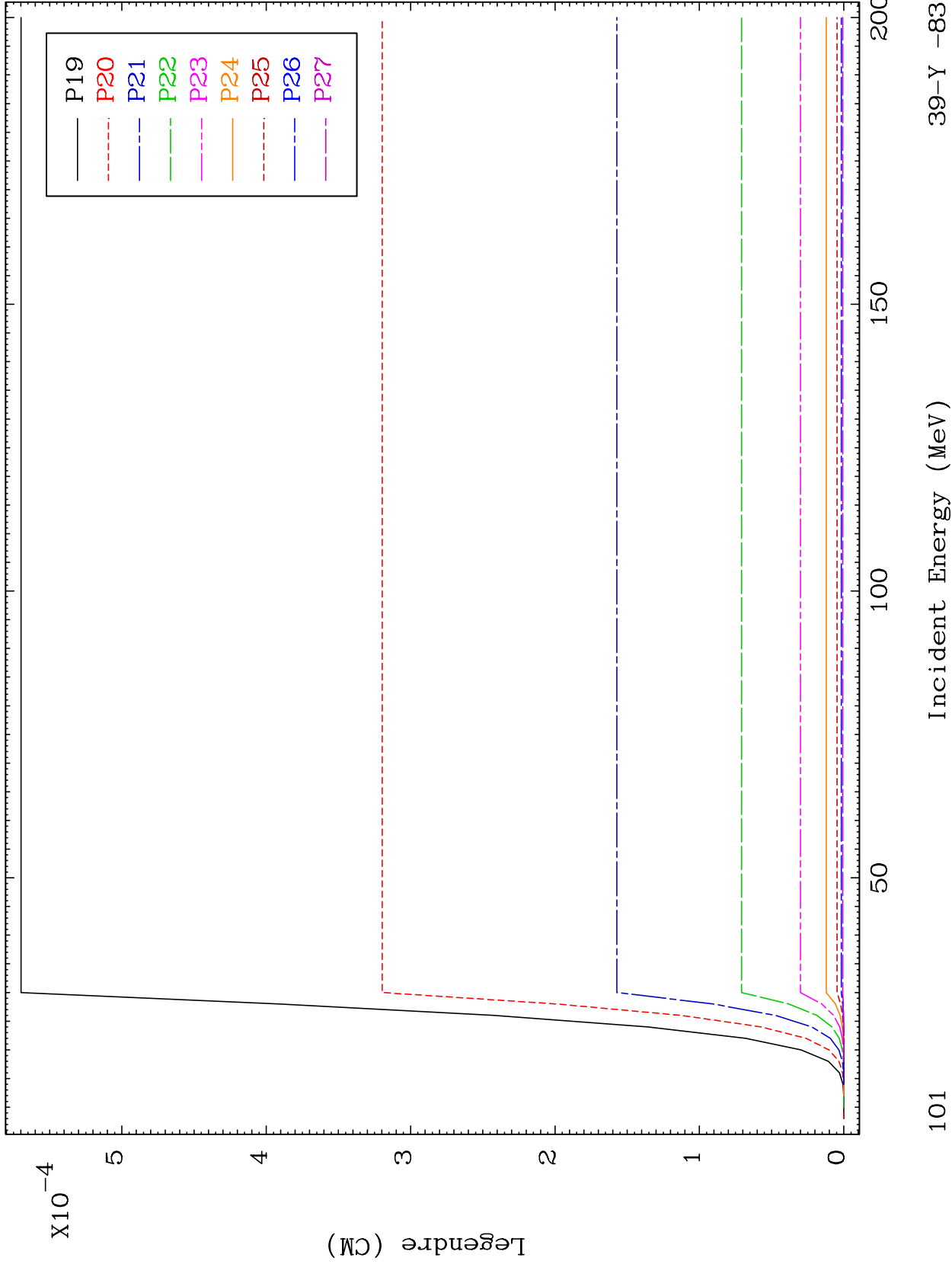
39-Y -83



MAT 3907

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

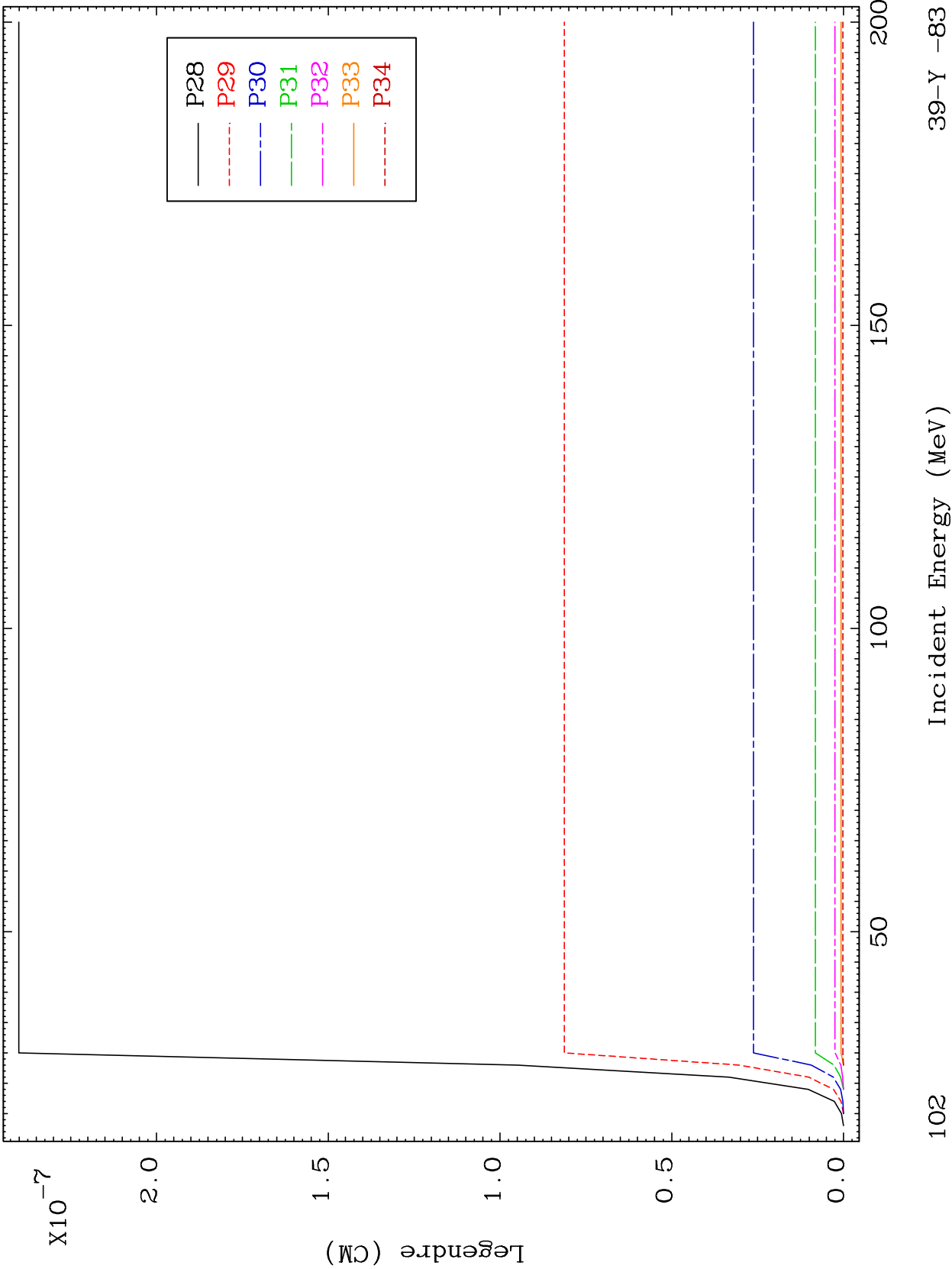
39-Y -83



MAT 3907

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

39-Y -83



102

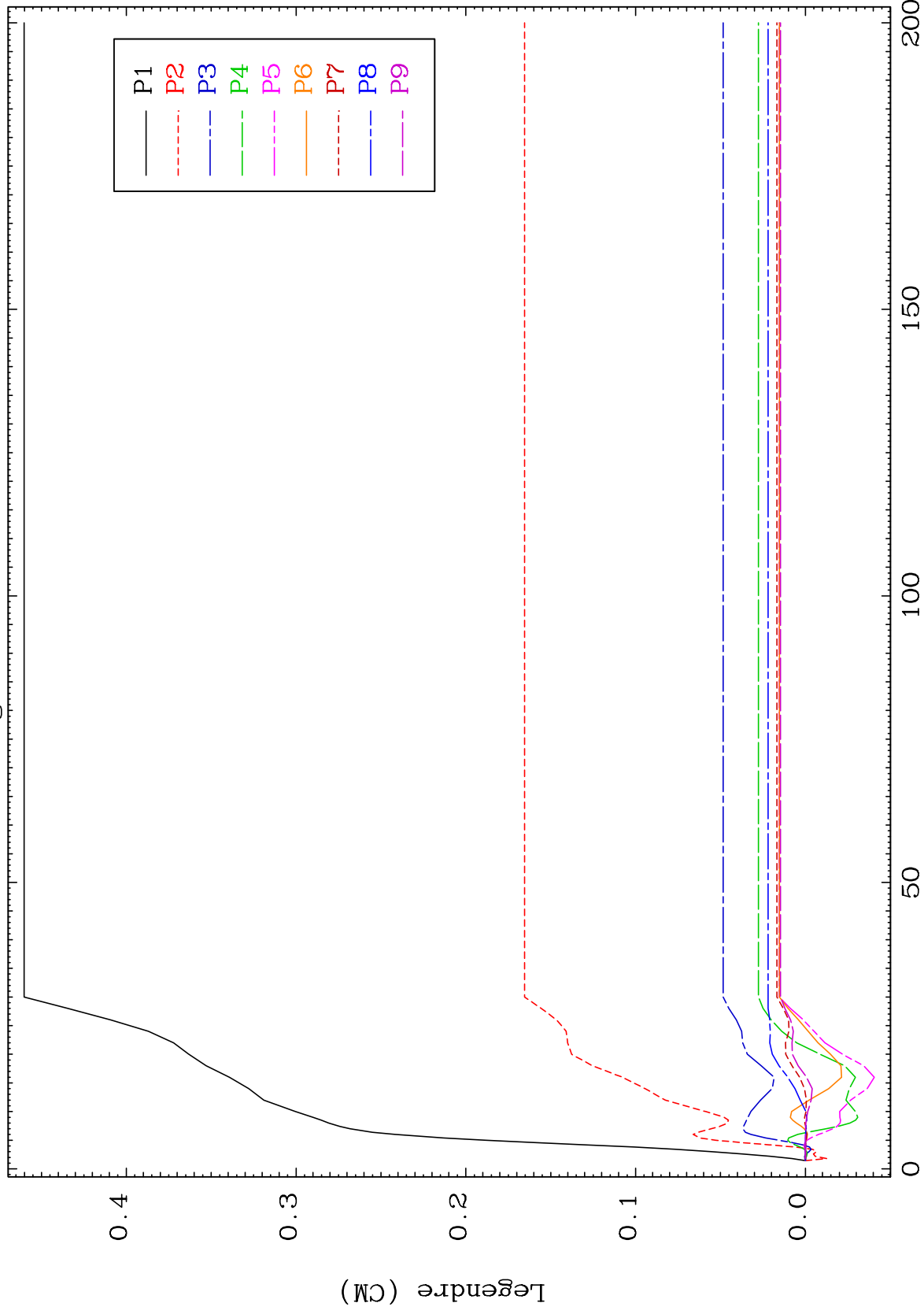
Incident Energy (MeV)

39-Y -83

MAT 3907

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

39-Y -83



103

Incident Energy (MeV)

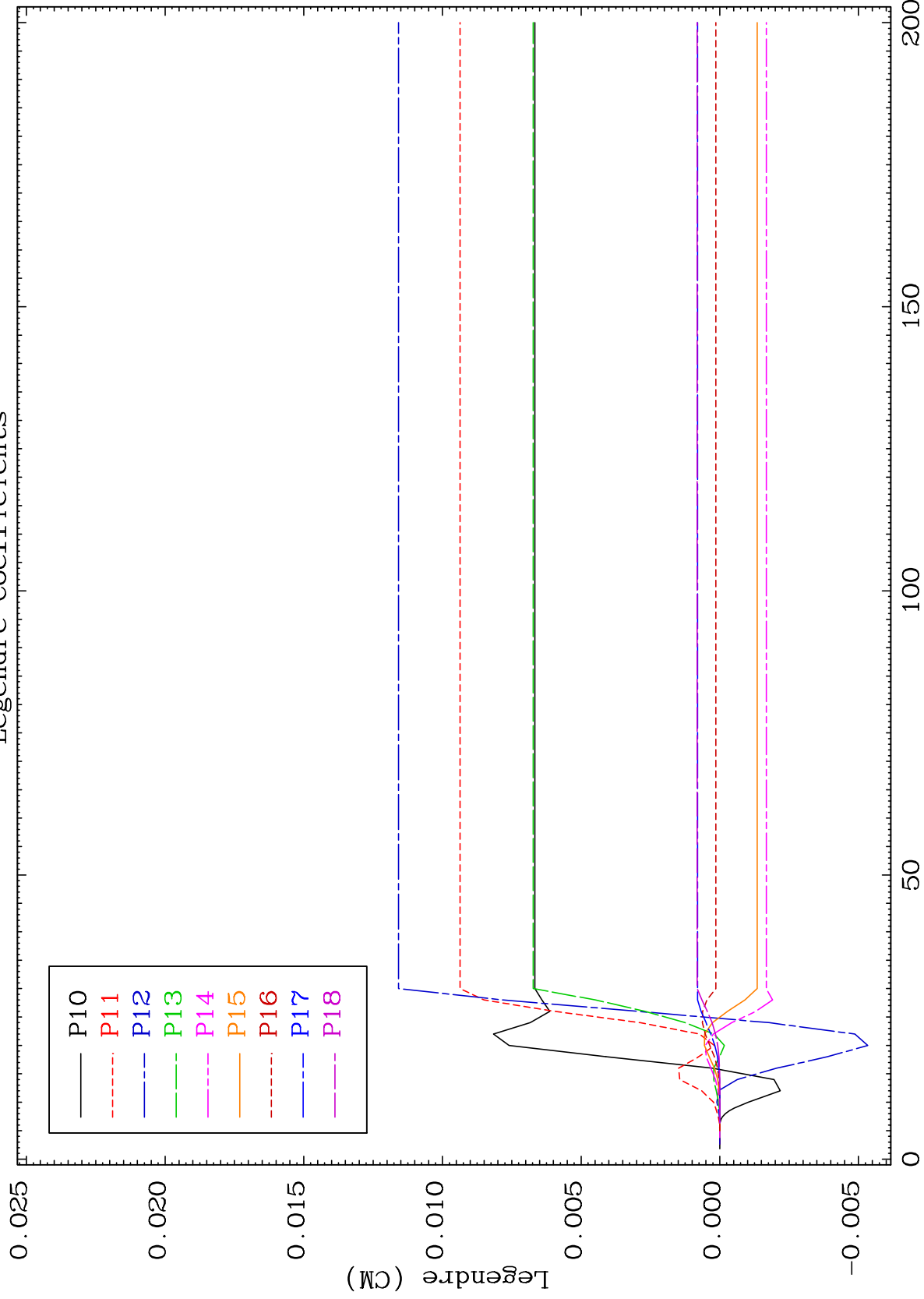
39-Y -83



MAT 3907

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

39-Y -83



104

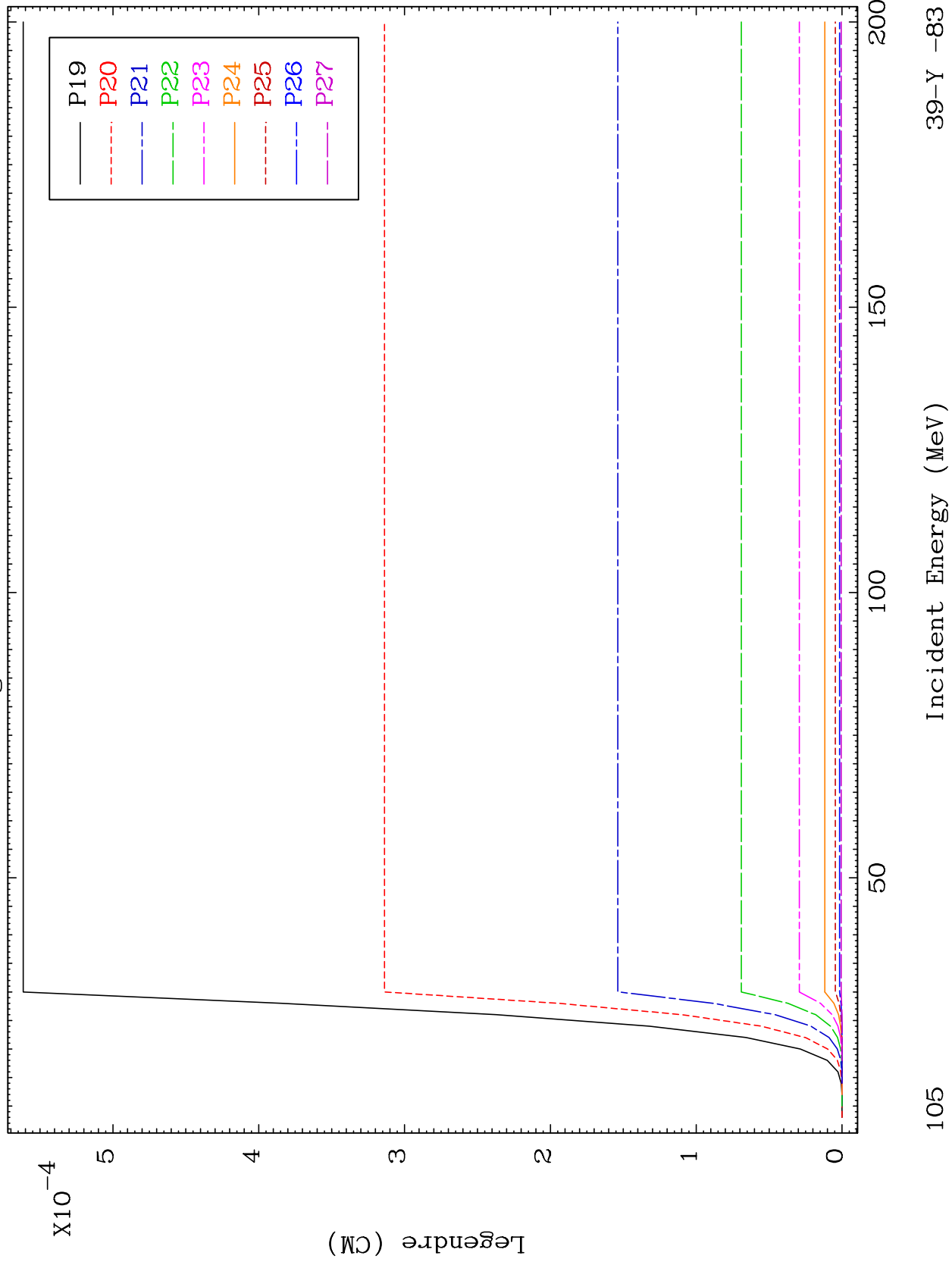
Incident Energy (MeV)

39-Y -83

MAT 3907

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

39-Y -83



105

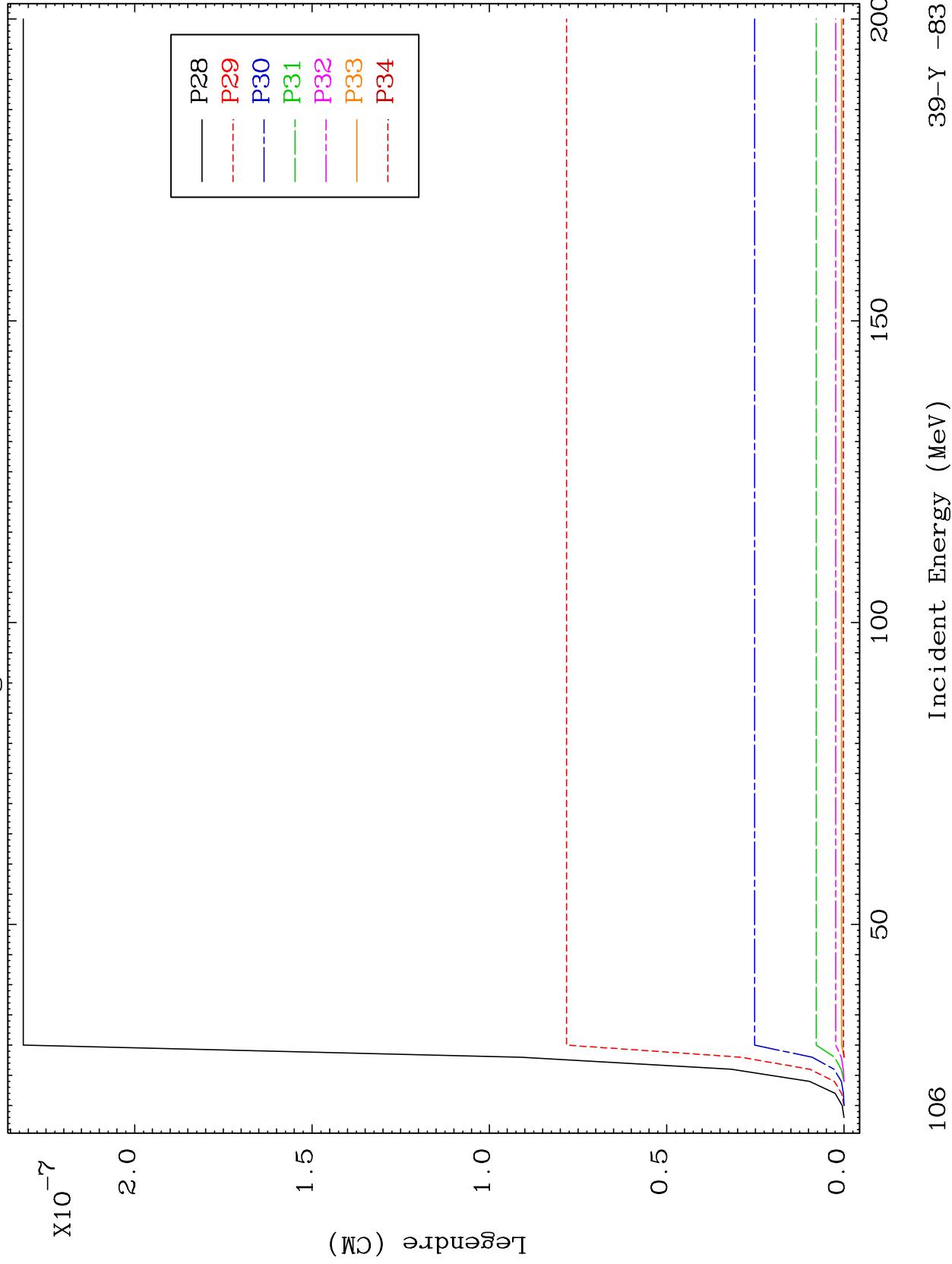
Incident Energy (MeV)

39-Y -83

MAT 3907

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

39-Y -83



106

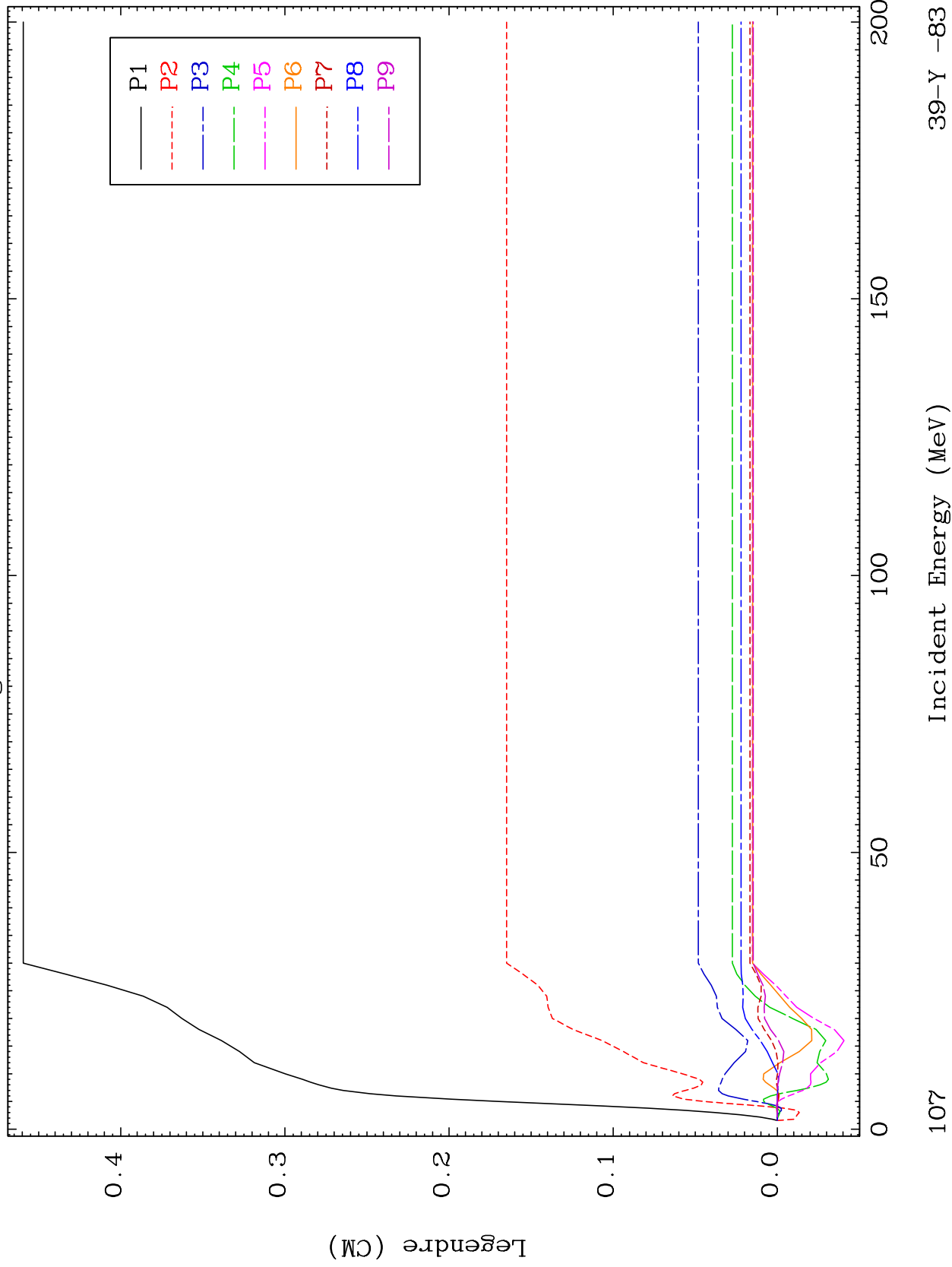
Incident Energy (MeV)

39-Y -83

MAT 3907

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

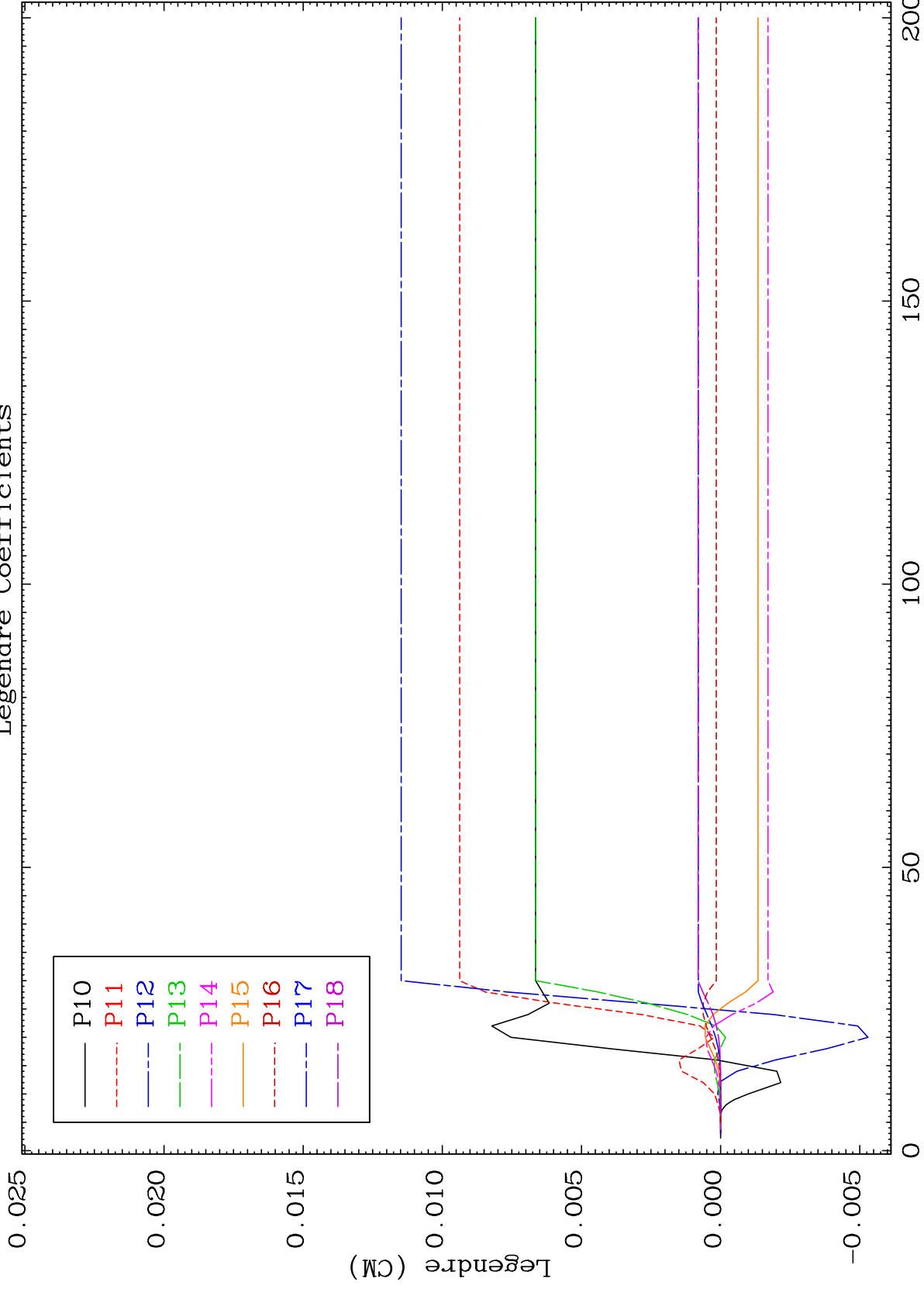
39-Y -83



107

Incident Energy (MeV)

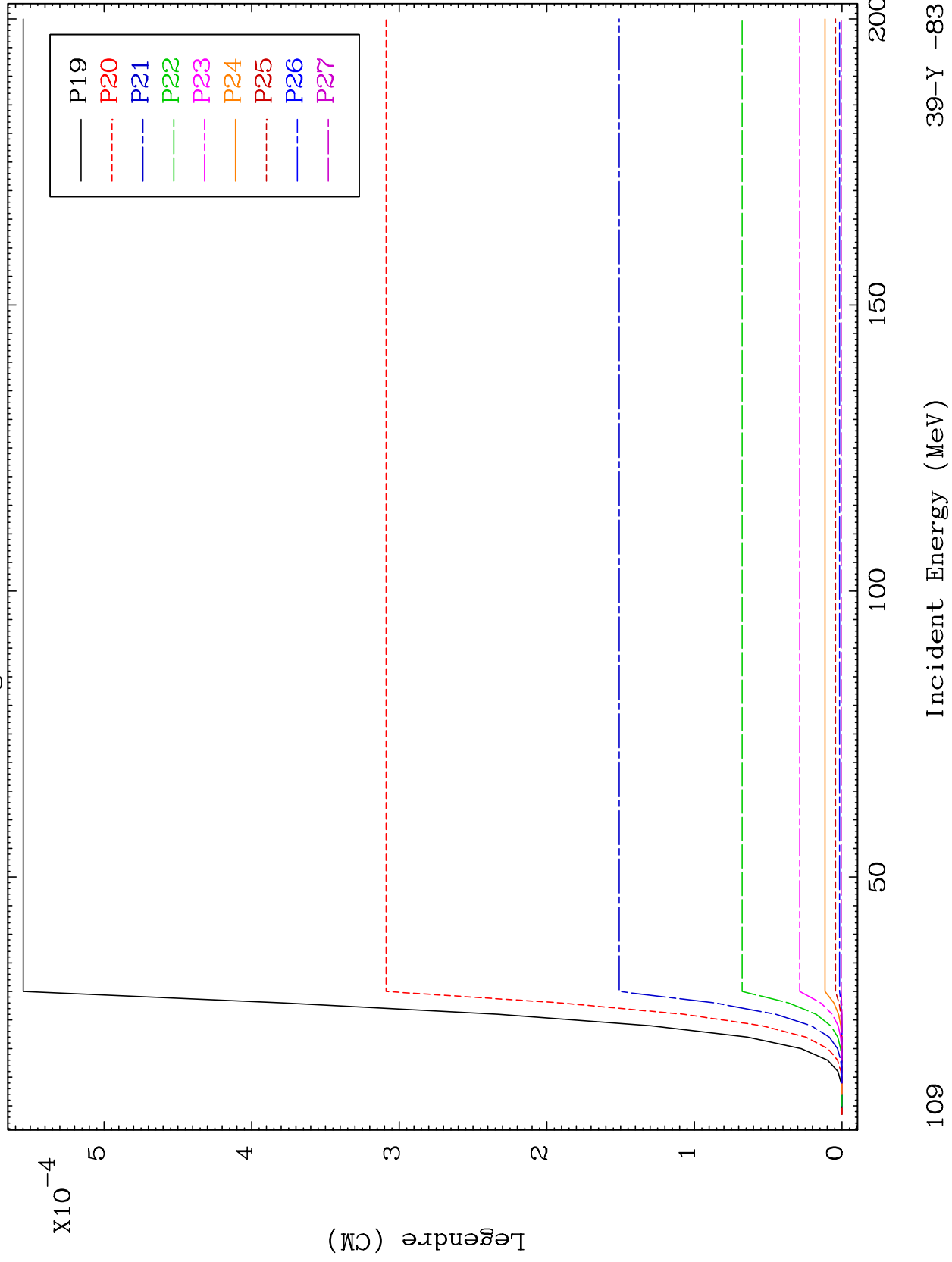
39-Y -83



MAT 3907

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

39-Y -83



109

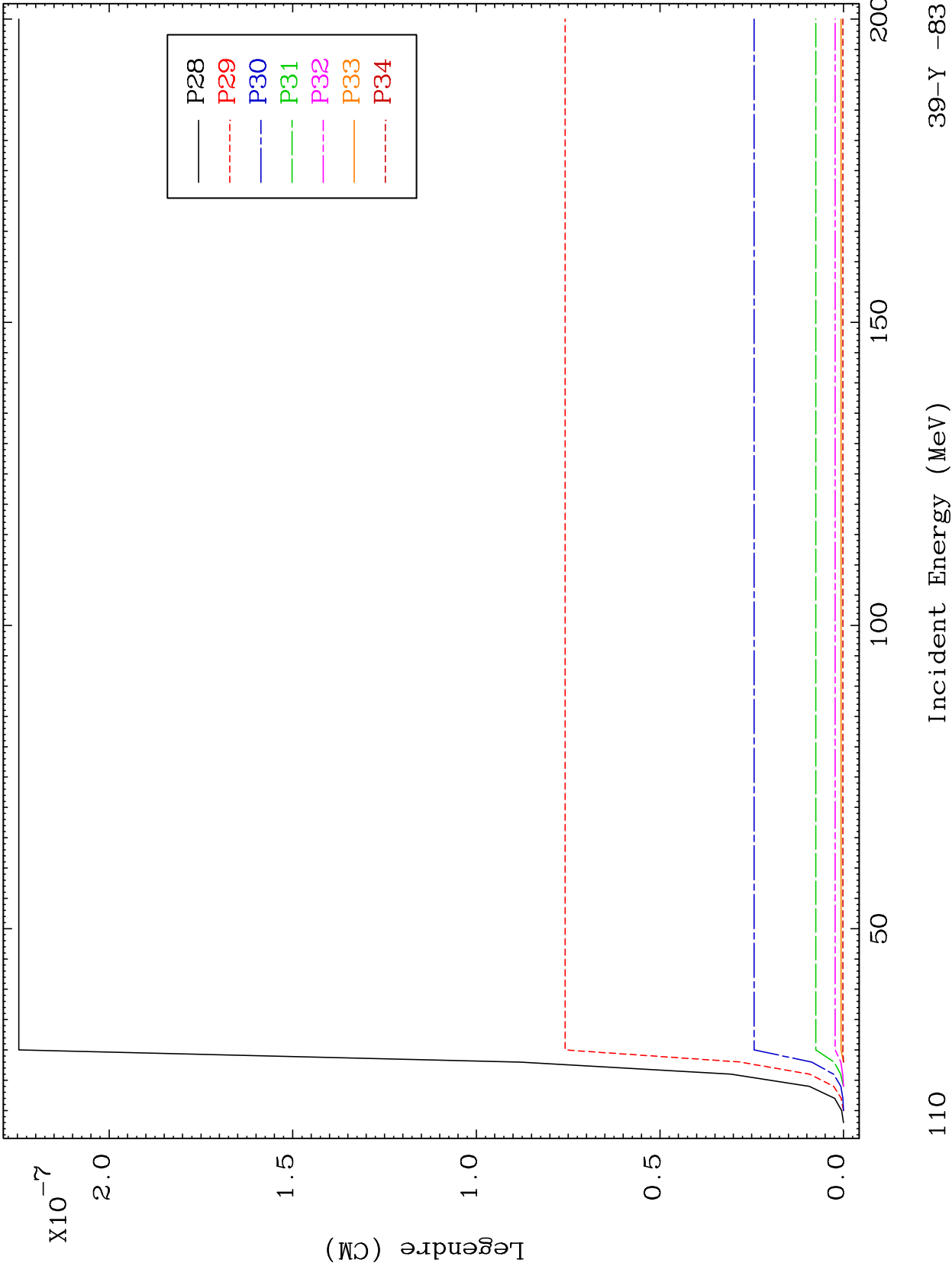
Incident Energy (MeV)

39-Y -83

MAT 3907

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

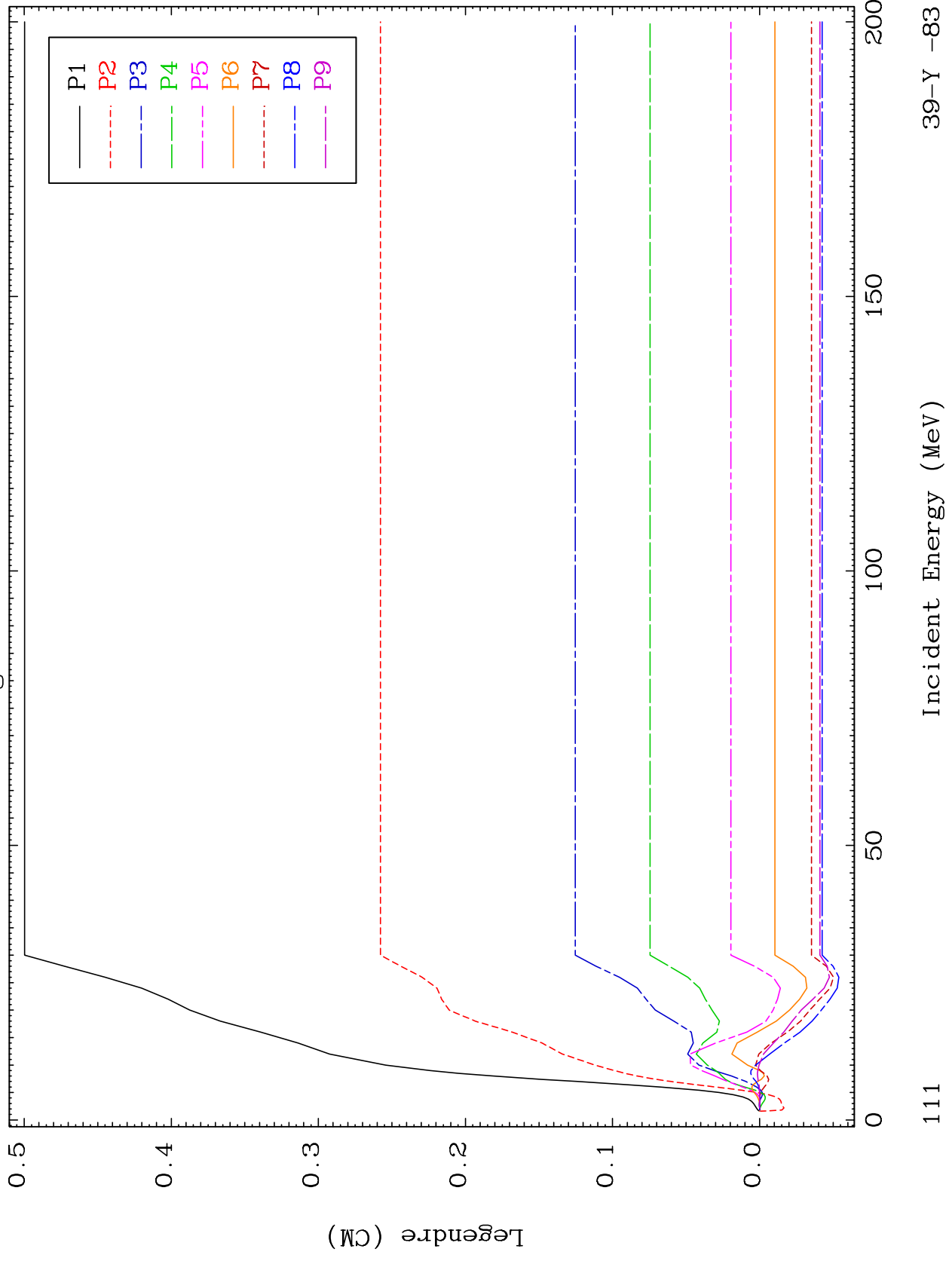
39-Y -83



110

Incident Energy (MeV)

39-Y -83

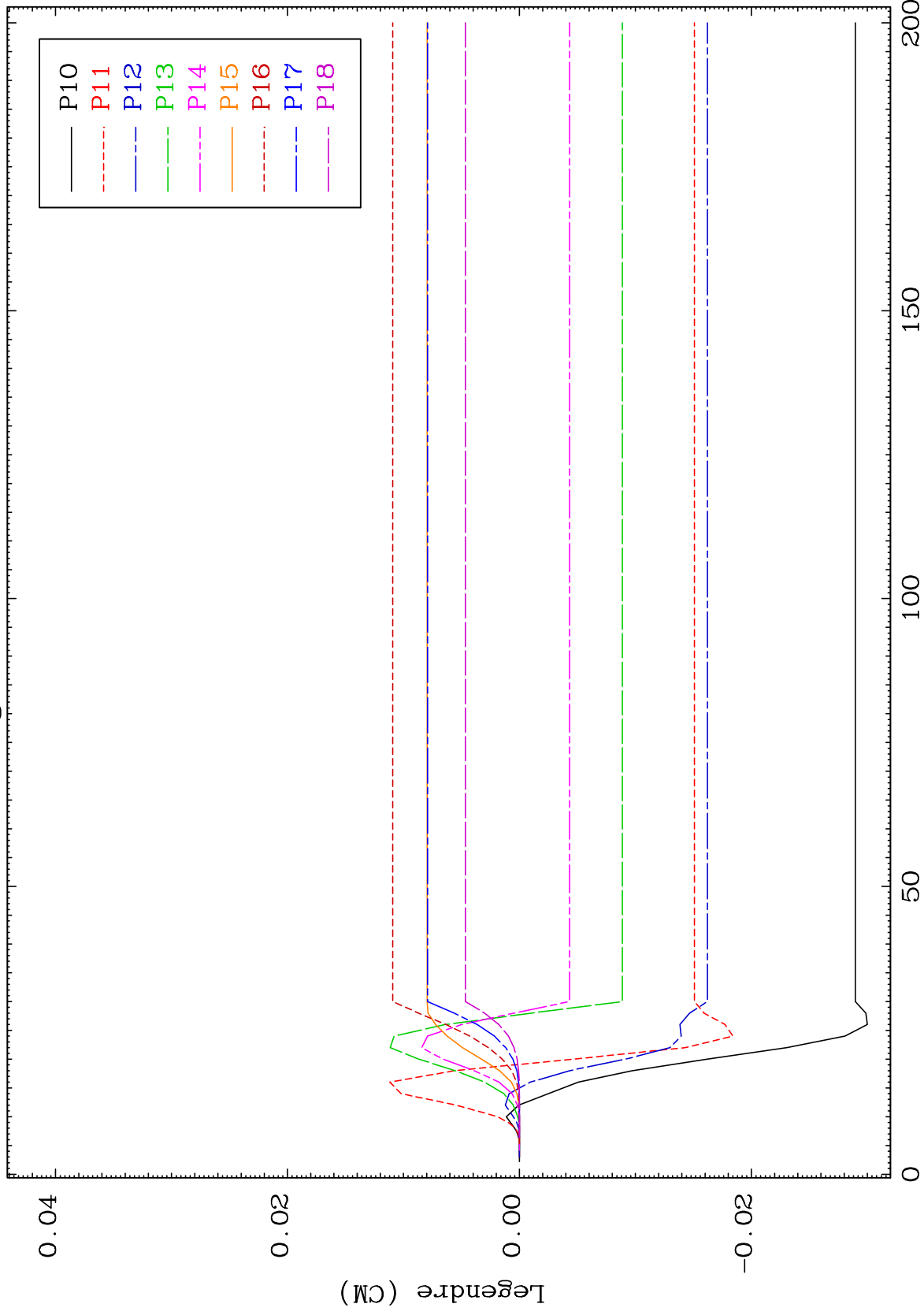




MAT 3907

MT= 75 (n,n') Level  
Legendre Coefficients

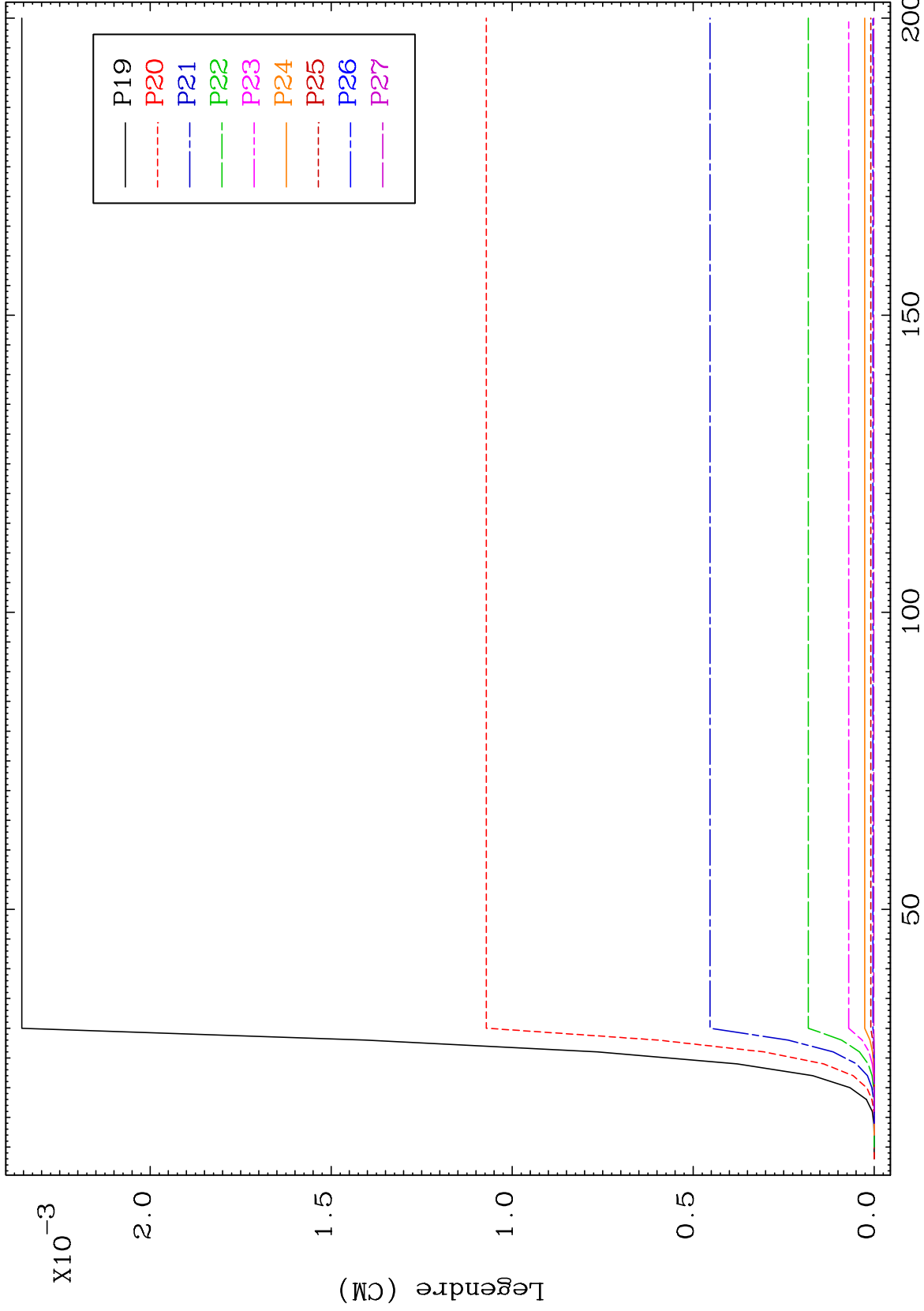
39-Y -83



112

Incident Energy (MeV)

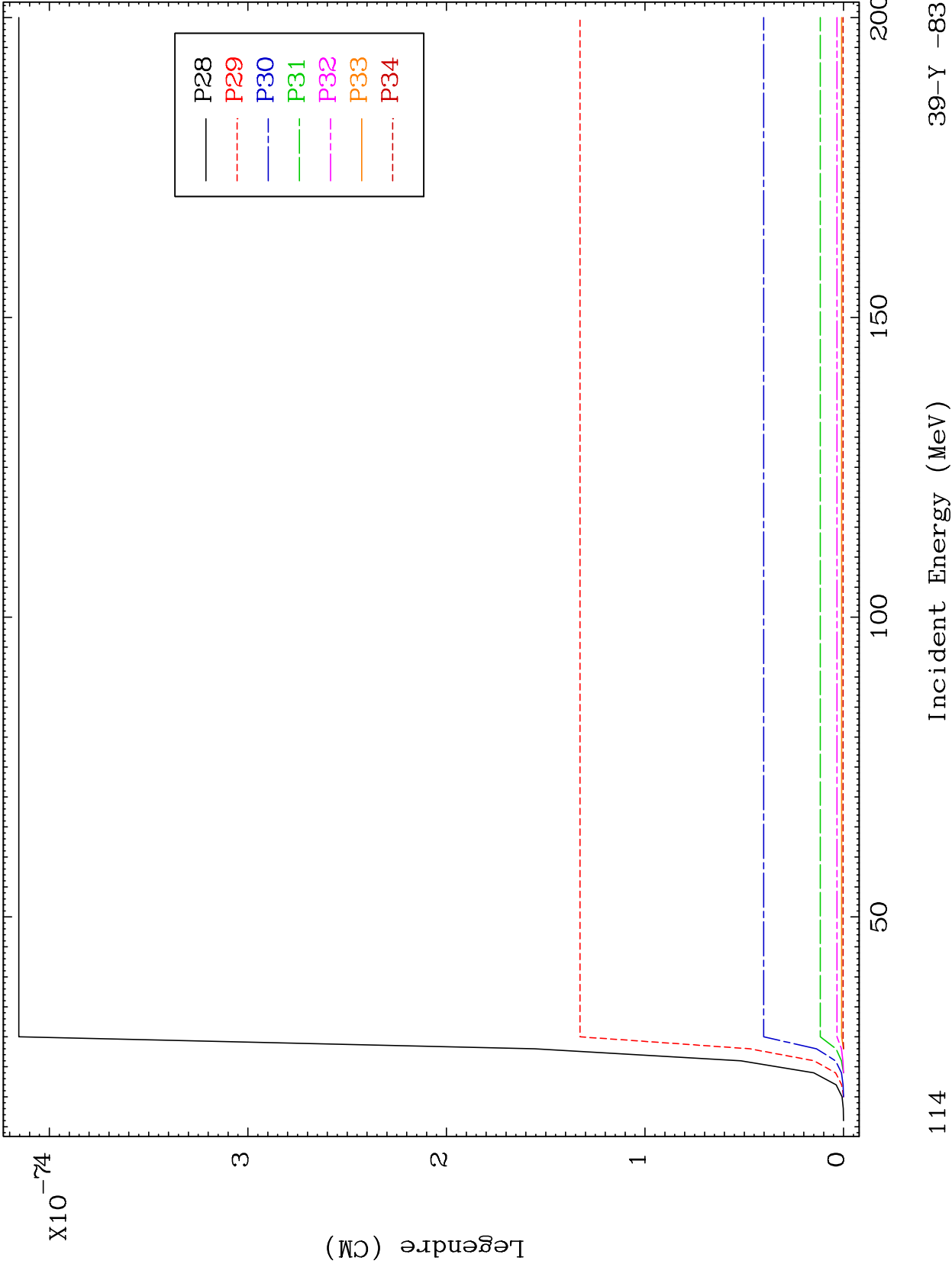
39-Y -83



MAT 3907

MT= 75 (n,n') Level  
Legendre Coefficients

39-Y -83



114

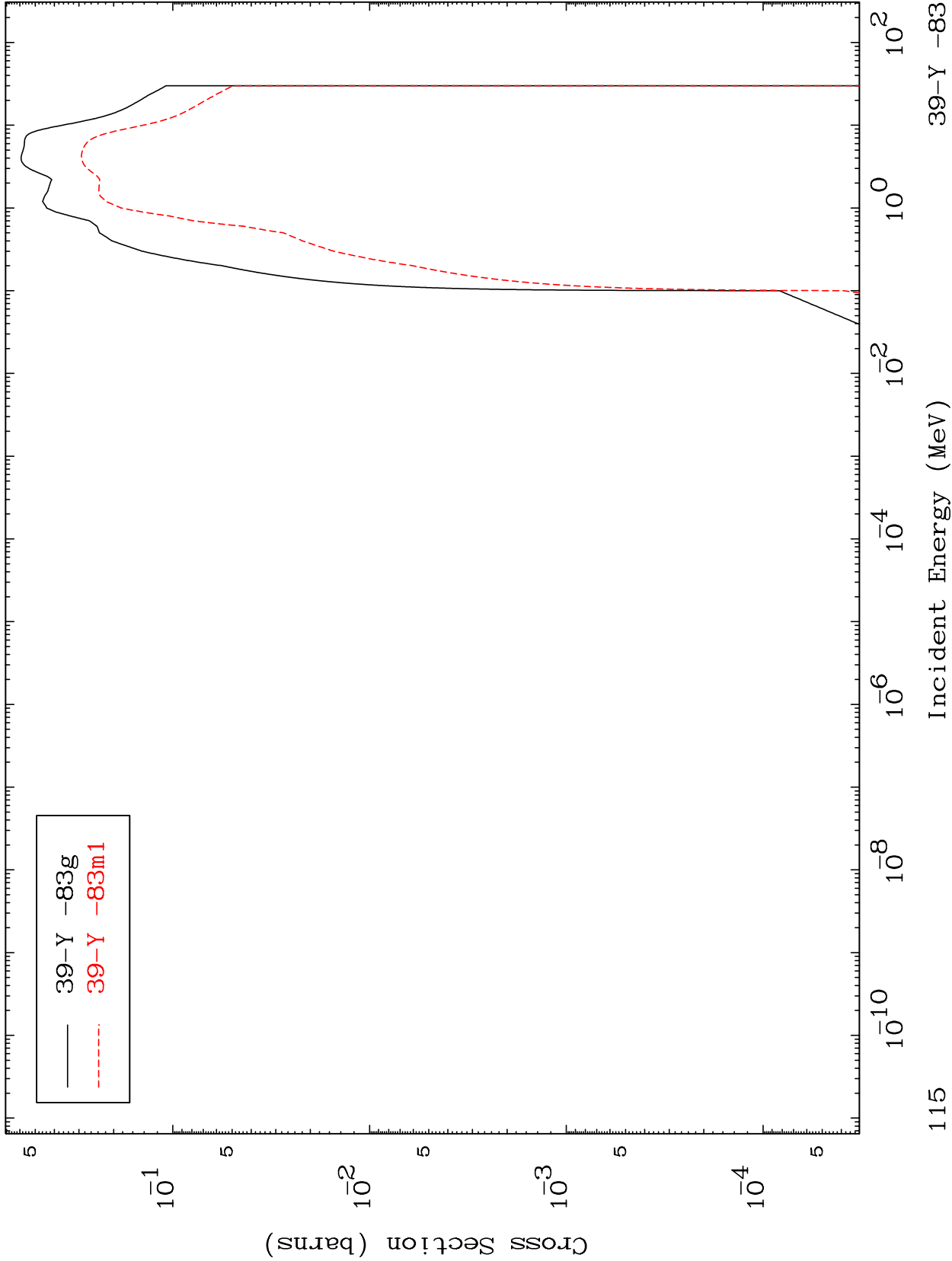
Incident Energy (MeV)

39-Y -83

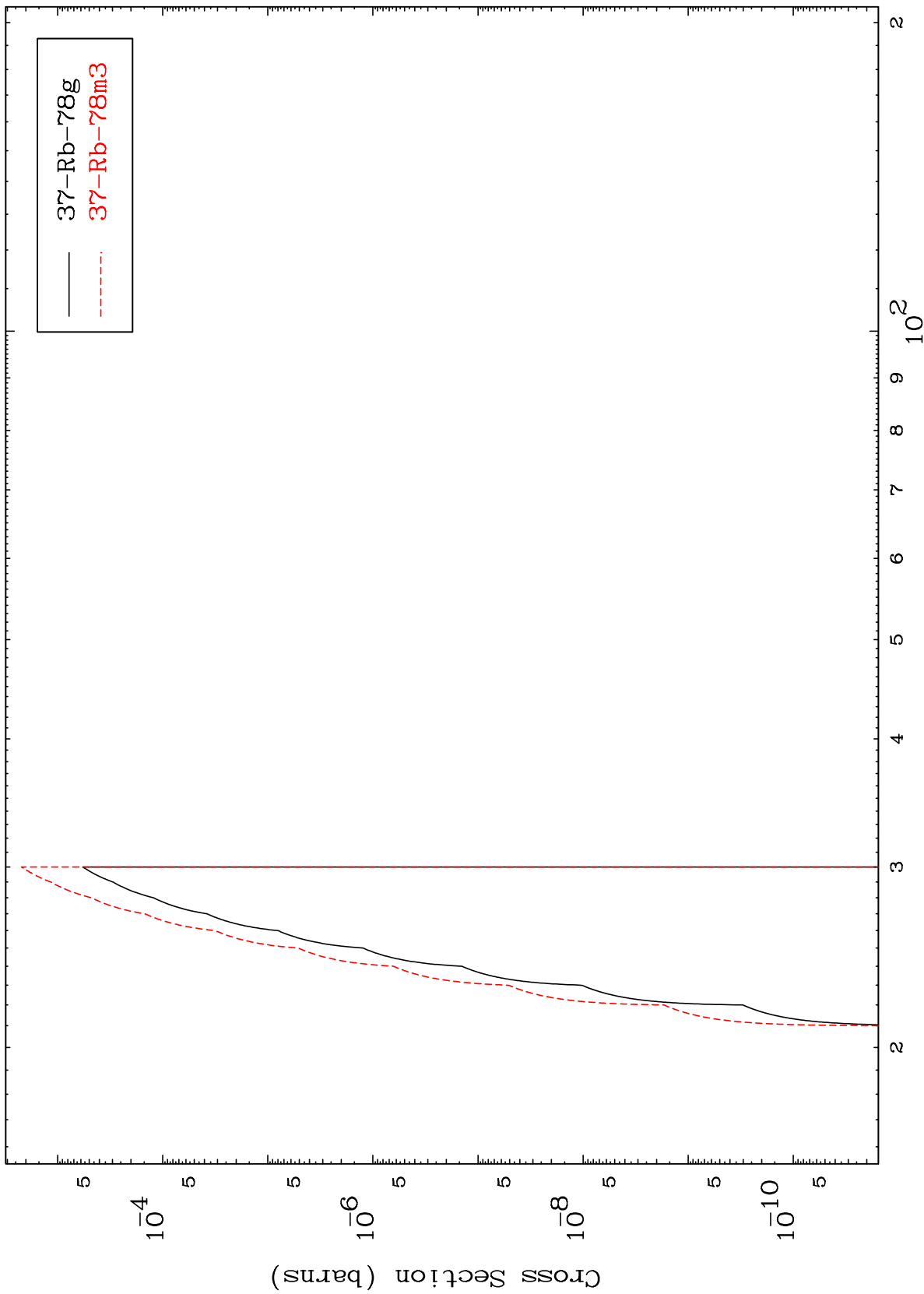
MAT 3907

Inelastic  
Radionuclide Production Cross Section

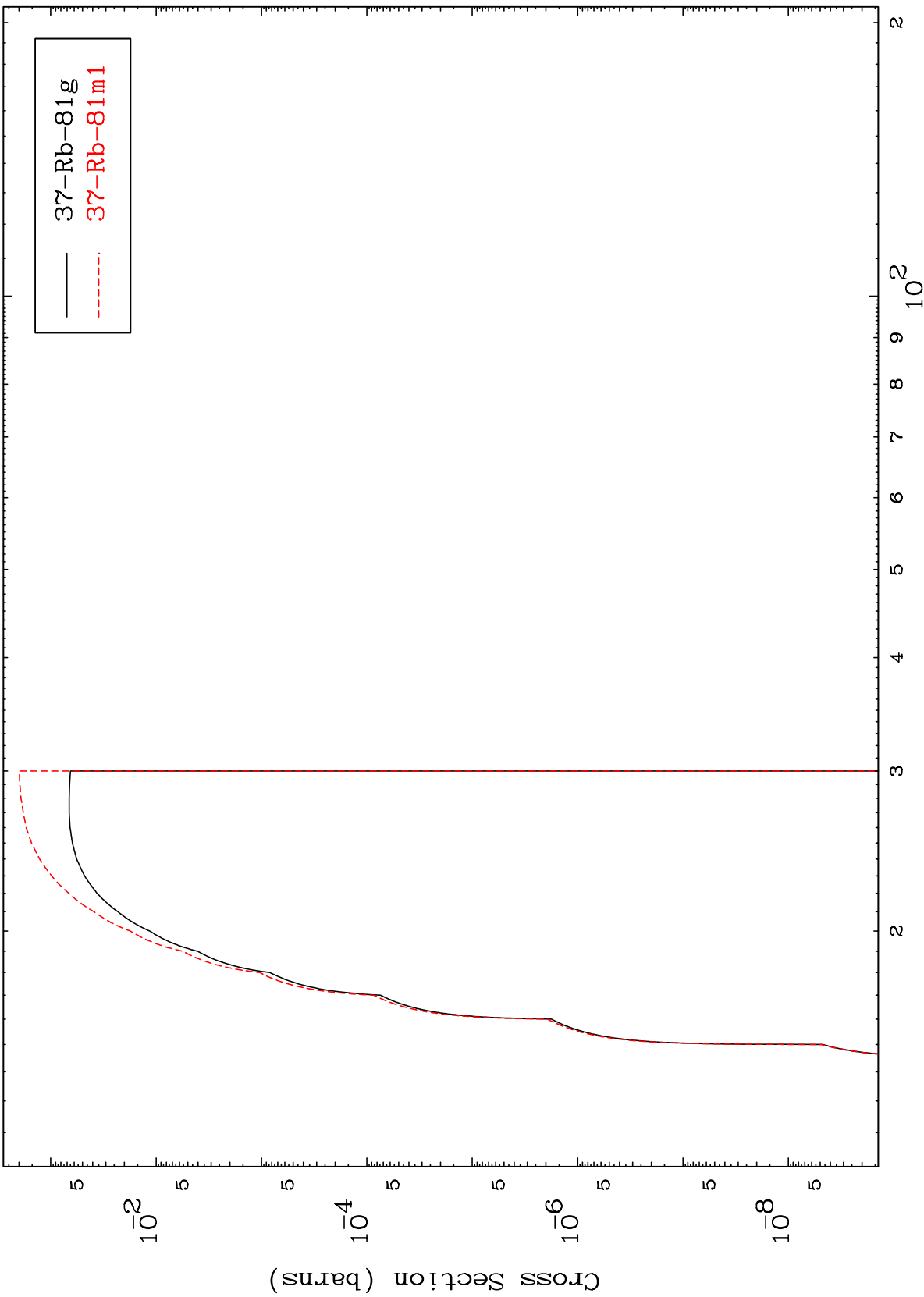
39-Y -83



Radionuclide Production Cross Section

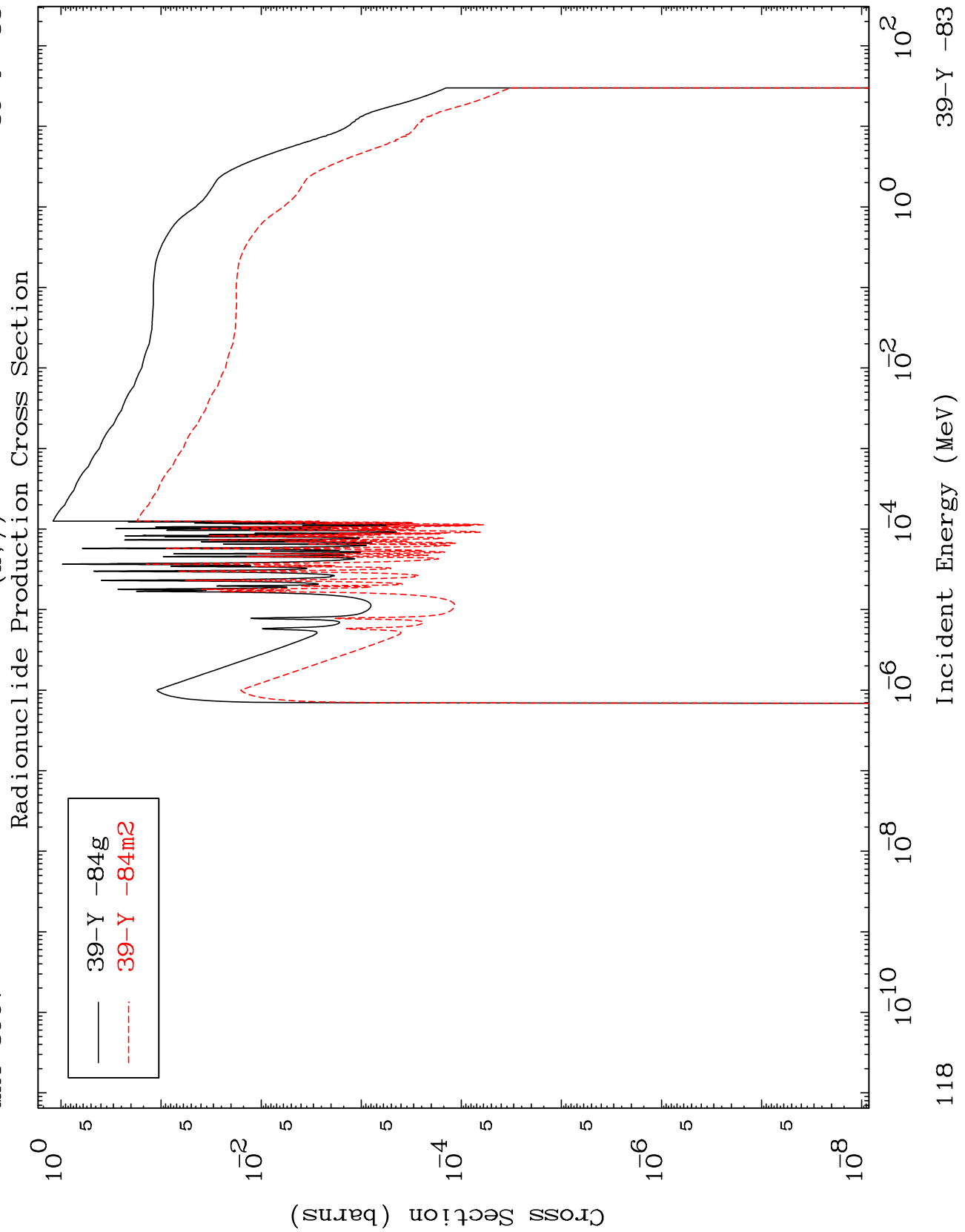


Radionuclide Production Cross Section



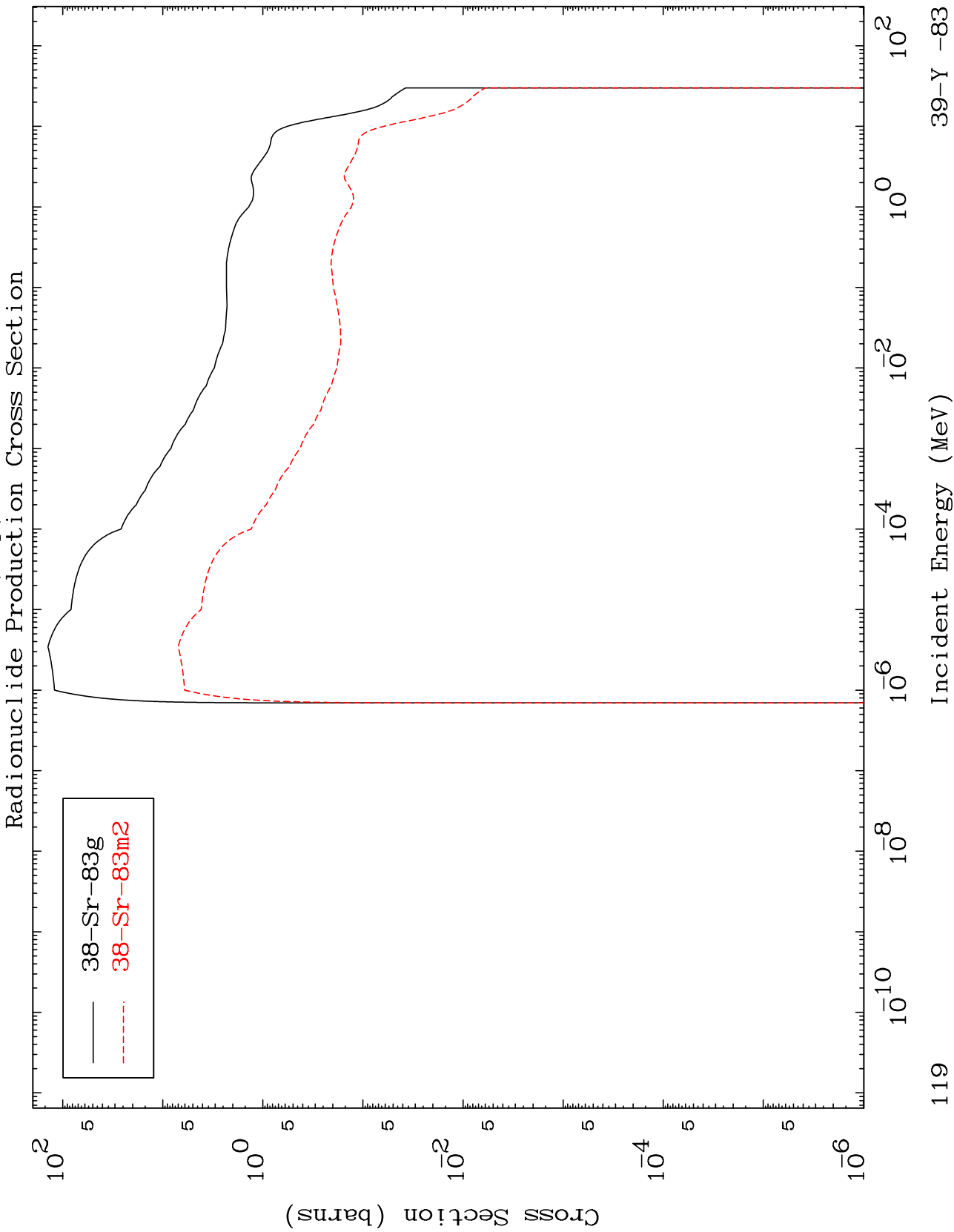
MAT 3907

39-Y -83



MAT 3907

39-Y -83

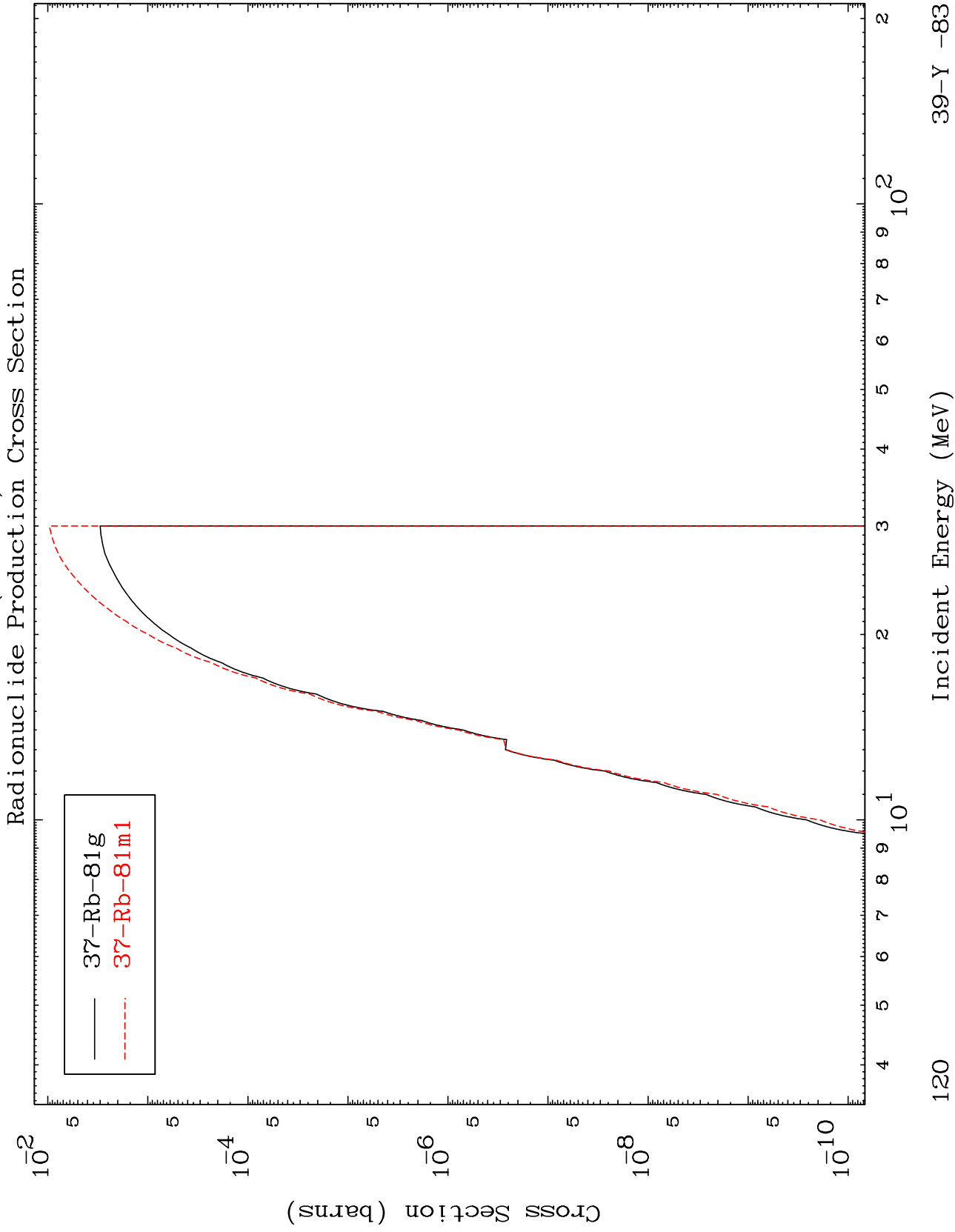




MAT 3907

(n,He-3)

39-Y -83

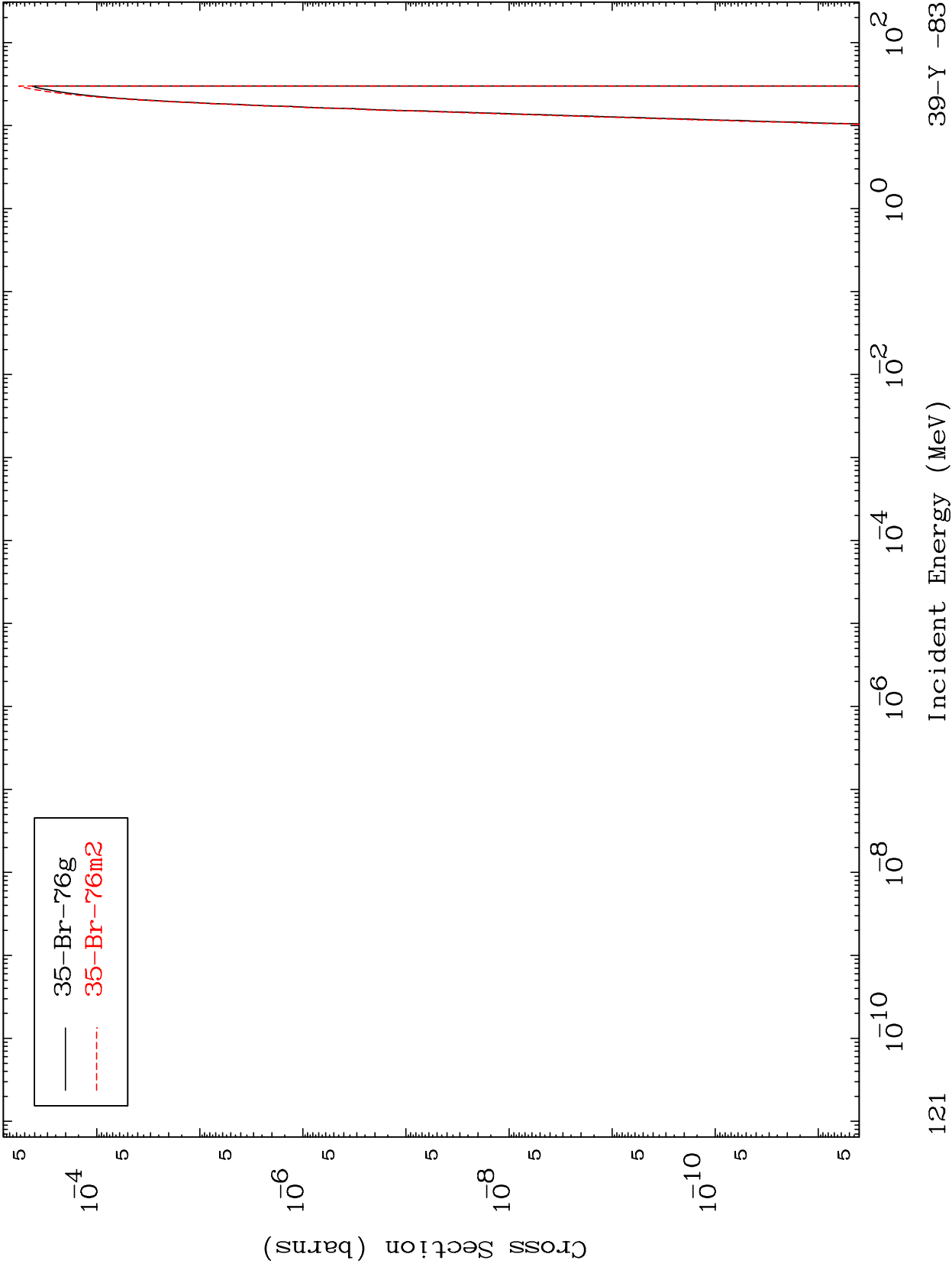


MAT 3907

(n,2α)

39-Y -83

Radionuclide Production Cross Section



121

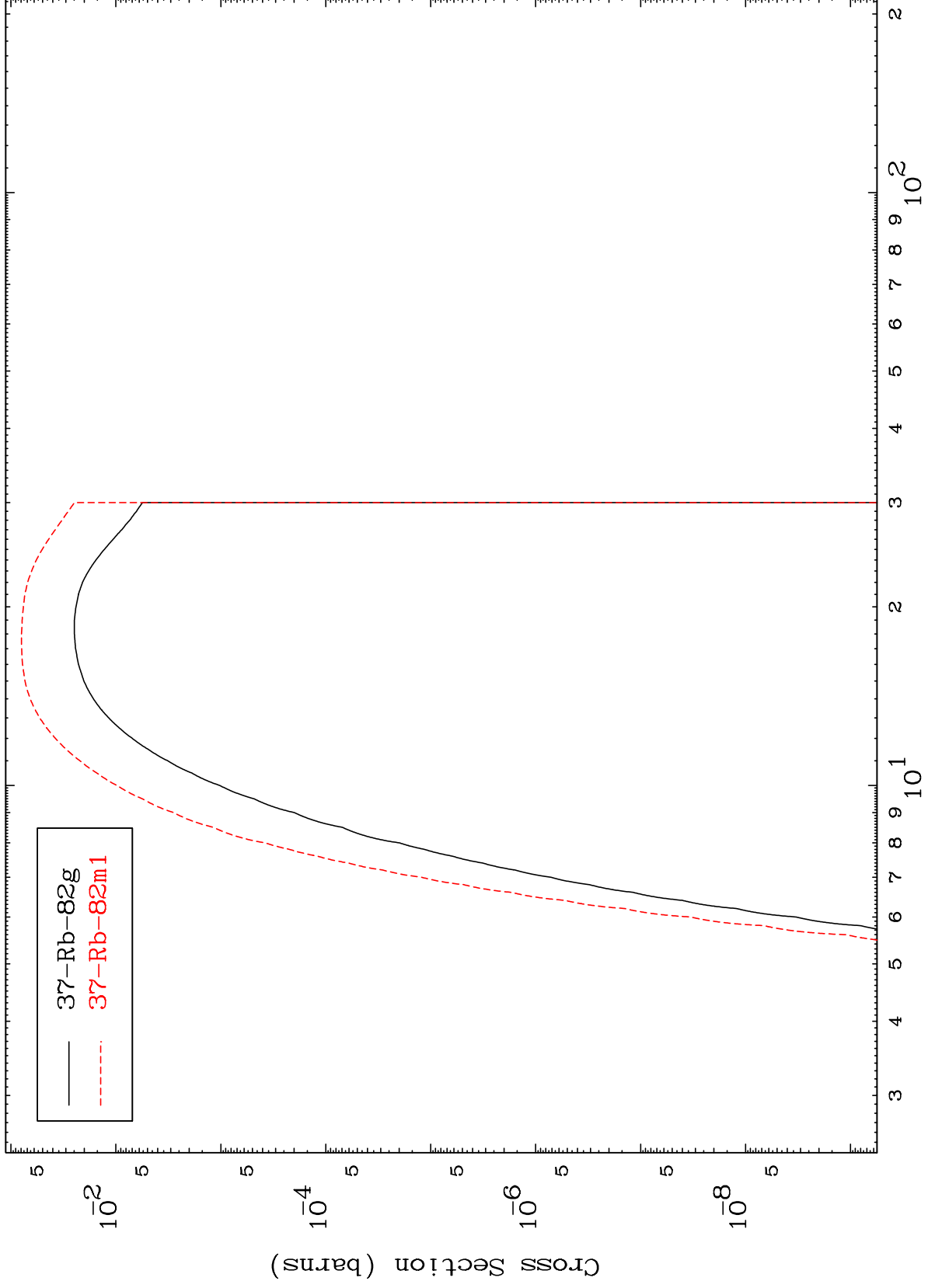
Incident Energy (MeV)

39-Y -83

MAT 3907

39-Y -83

Radionuclide Production Cross Section  
(n,2p)



122

Incident Energy (MeV)

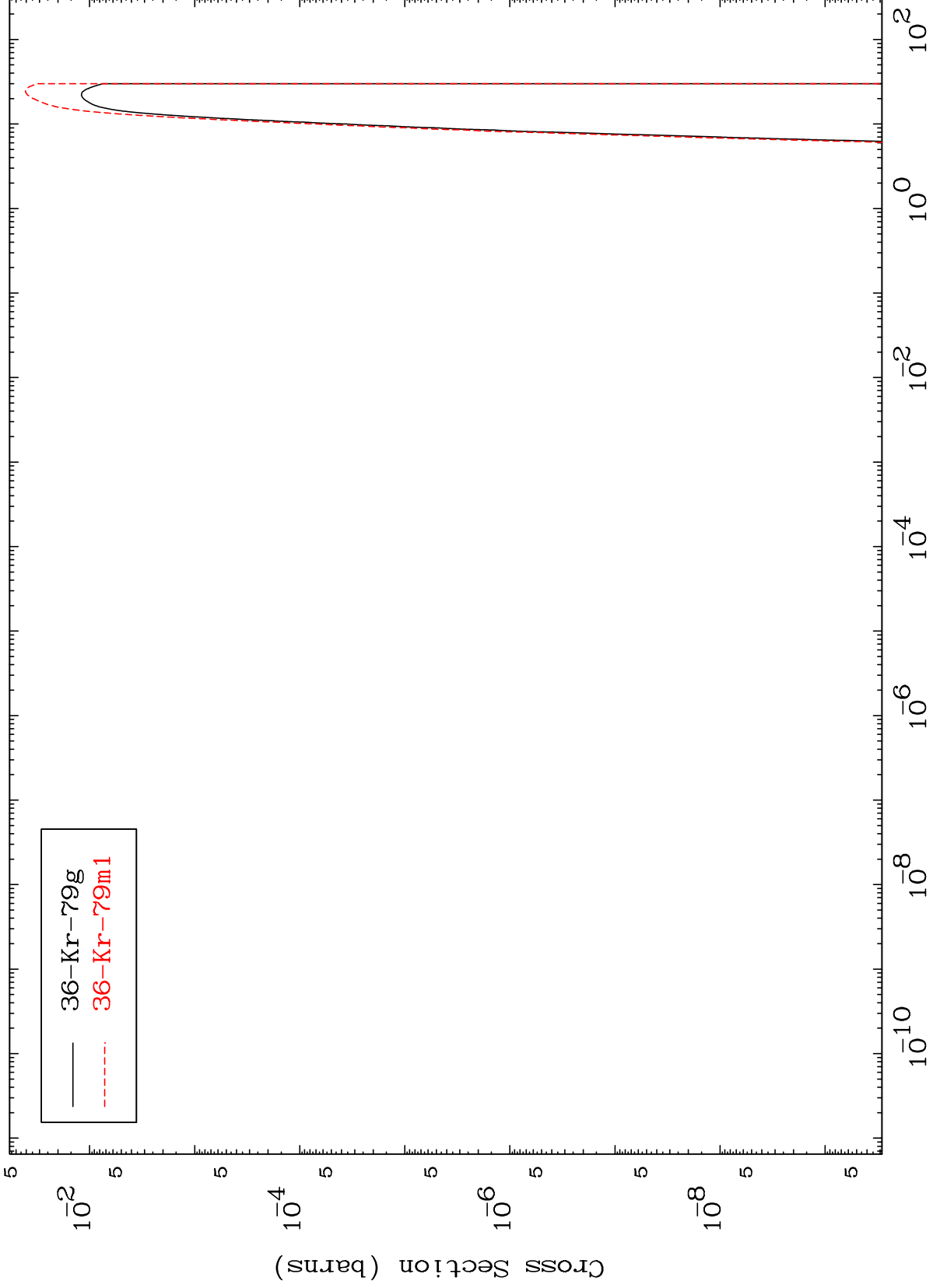
39-Y -83

MAT 3907

(n,p)  $\alpha$

39-Y -83

Radionuclide Production Cross Section



— 36-Kr-79g  
- - - 36-Kr-79m1

