

Program EVALPLOT  
(Version 2018-1)

by

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(Present Contact Information)

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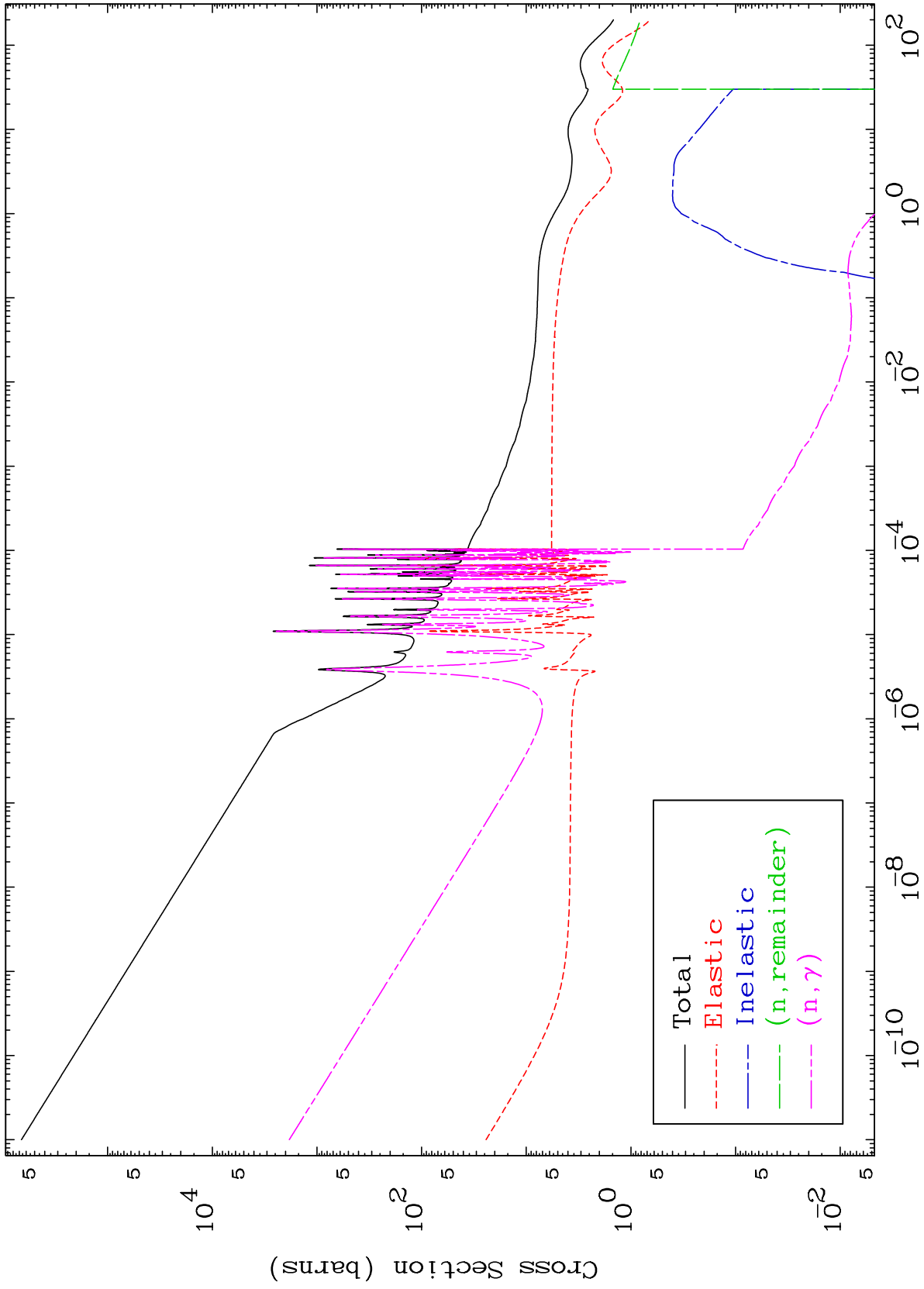
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Web:redcullen1.net/HOMEPAGE.NEW

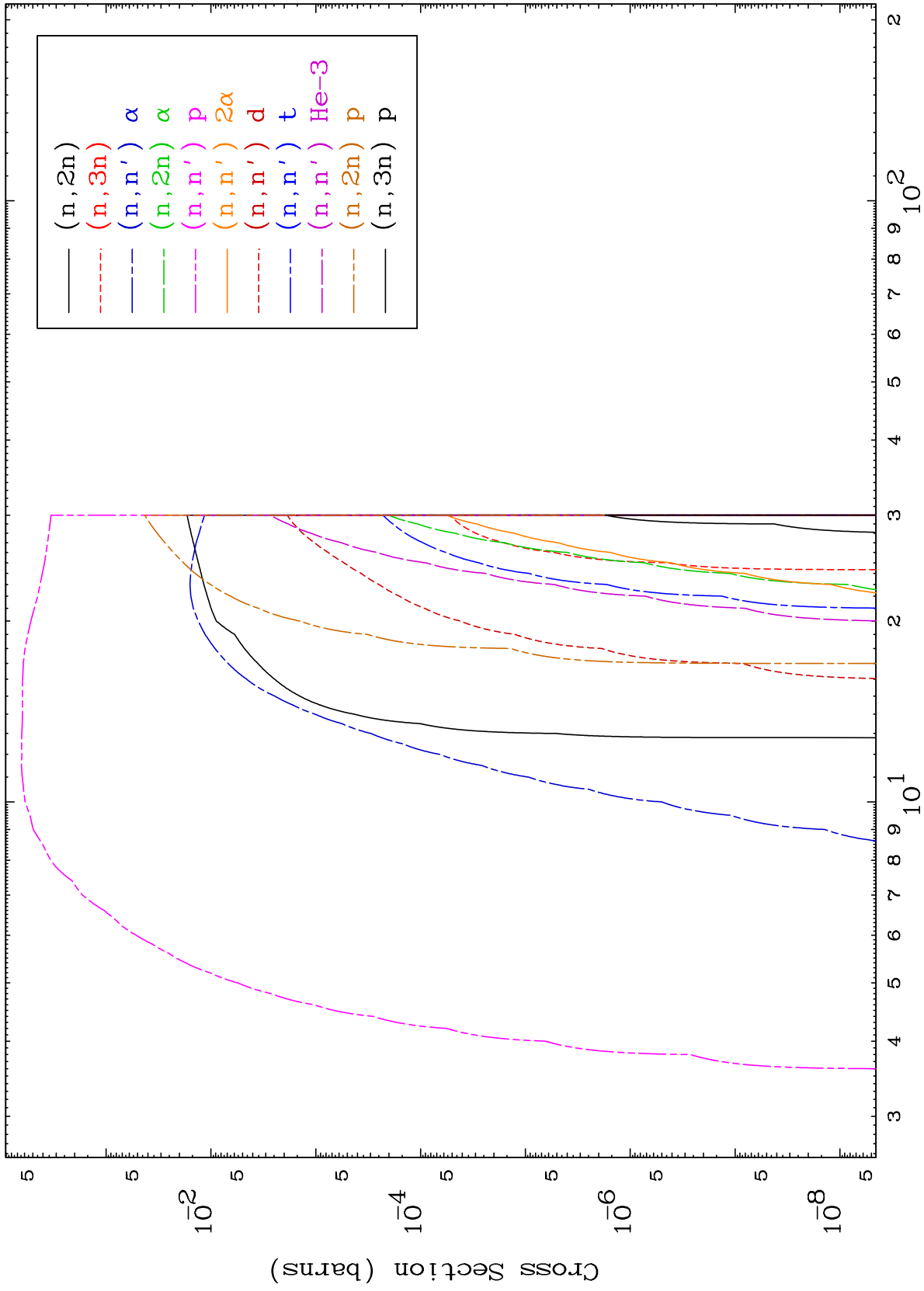
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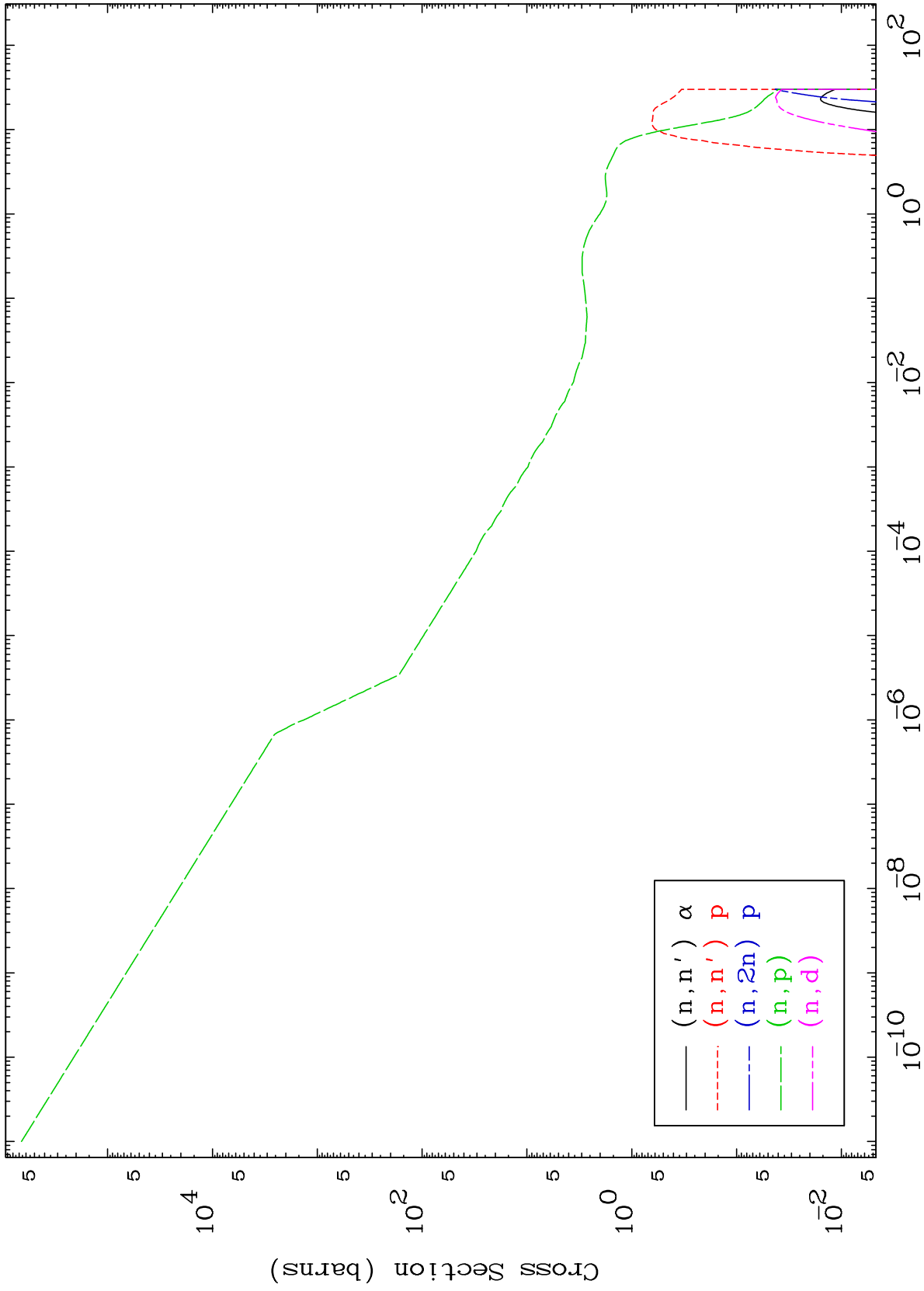
MAT 3901

Major  
293 Kelvin Cross Sections

39-Y -81



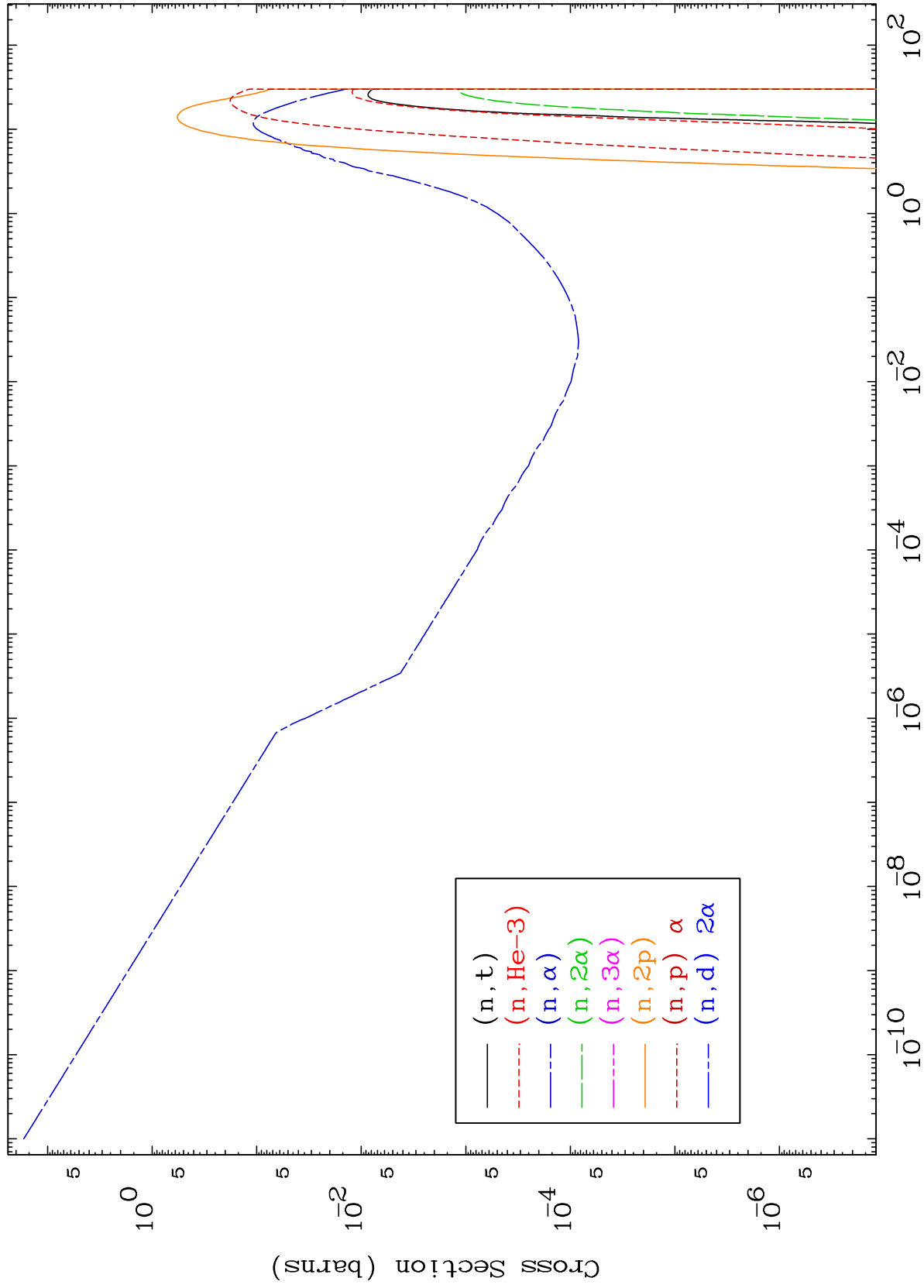


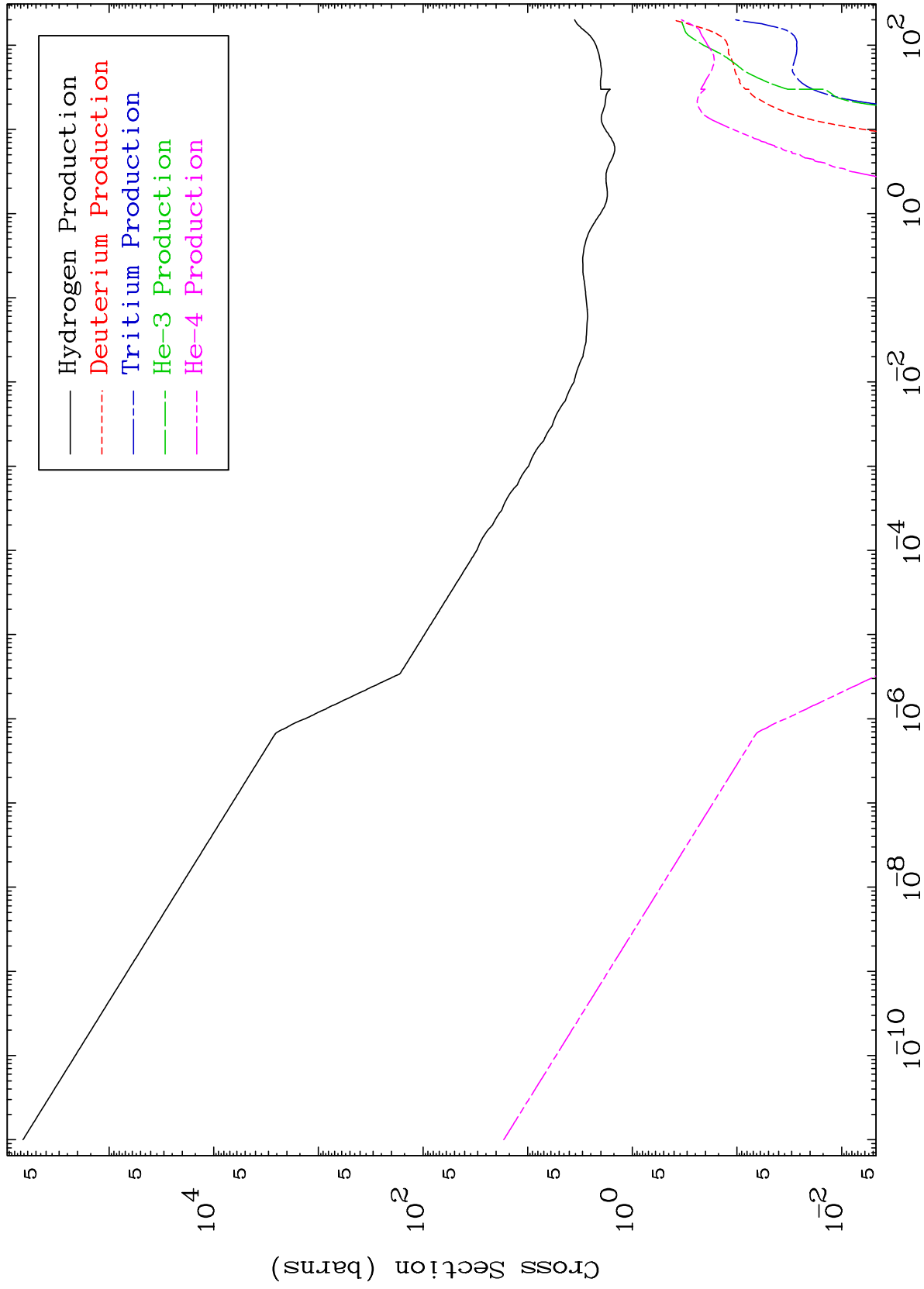


MAT 3901

Charged Particle  
293 Kelvin Cross Sections

39-Y -81

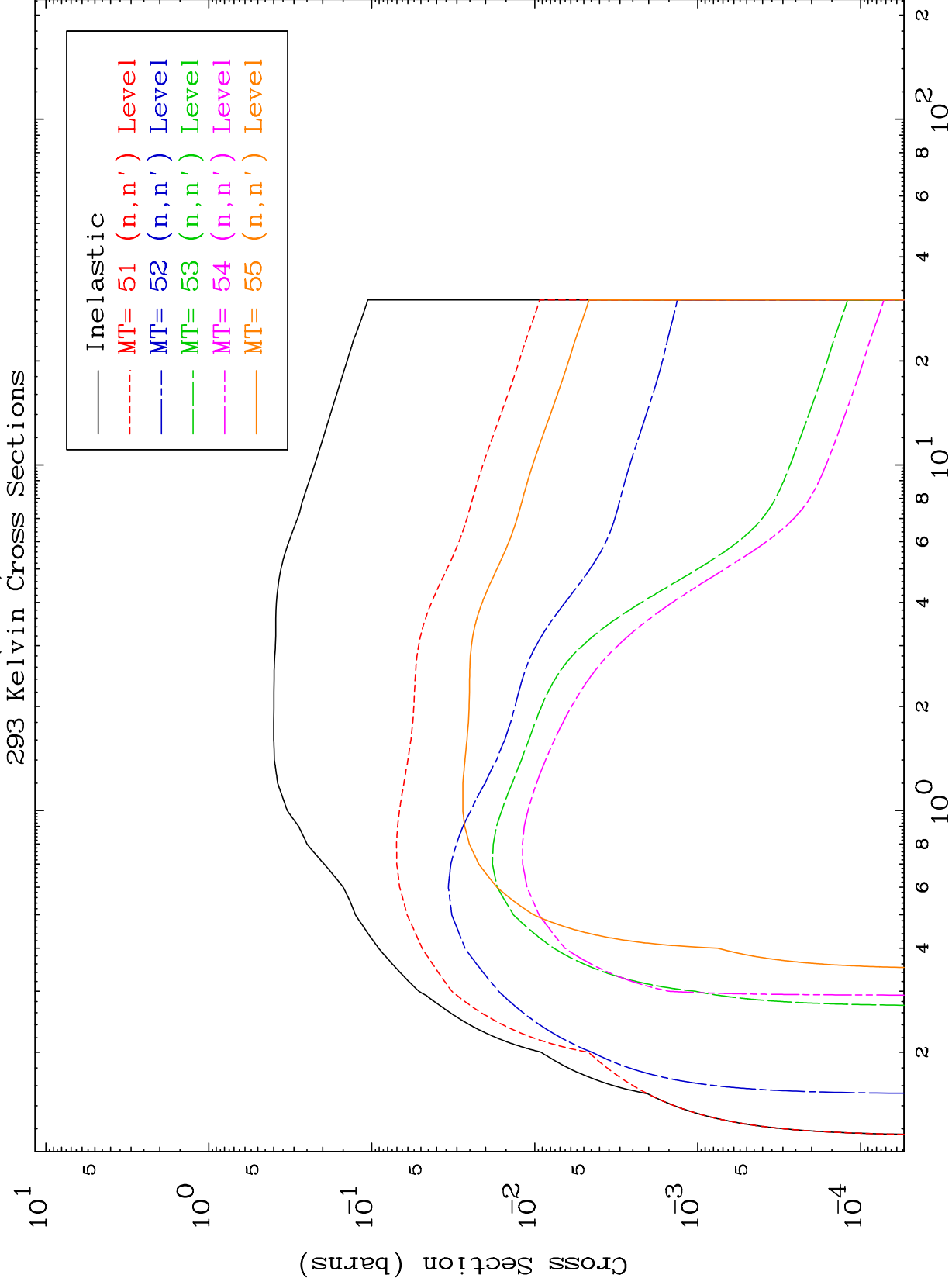




MAT 3901

(n,n') Level

39-Y -81



6

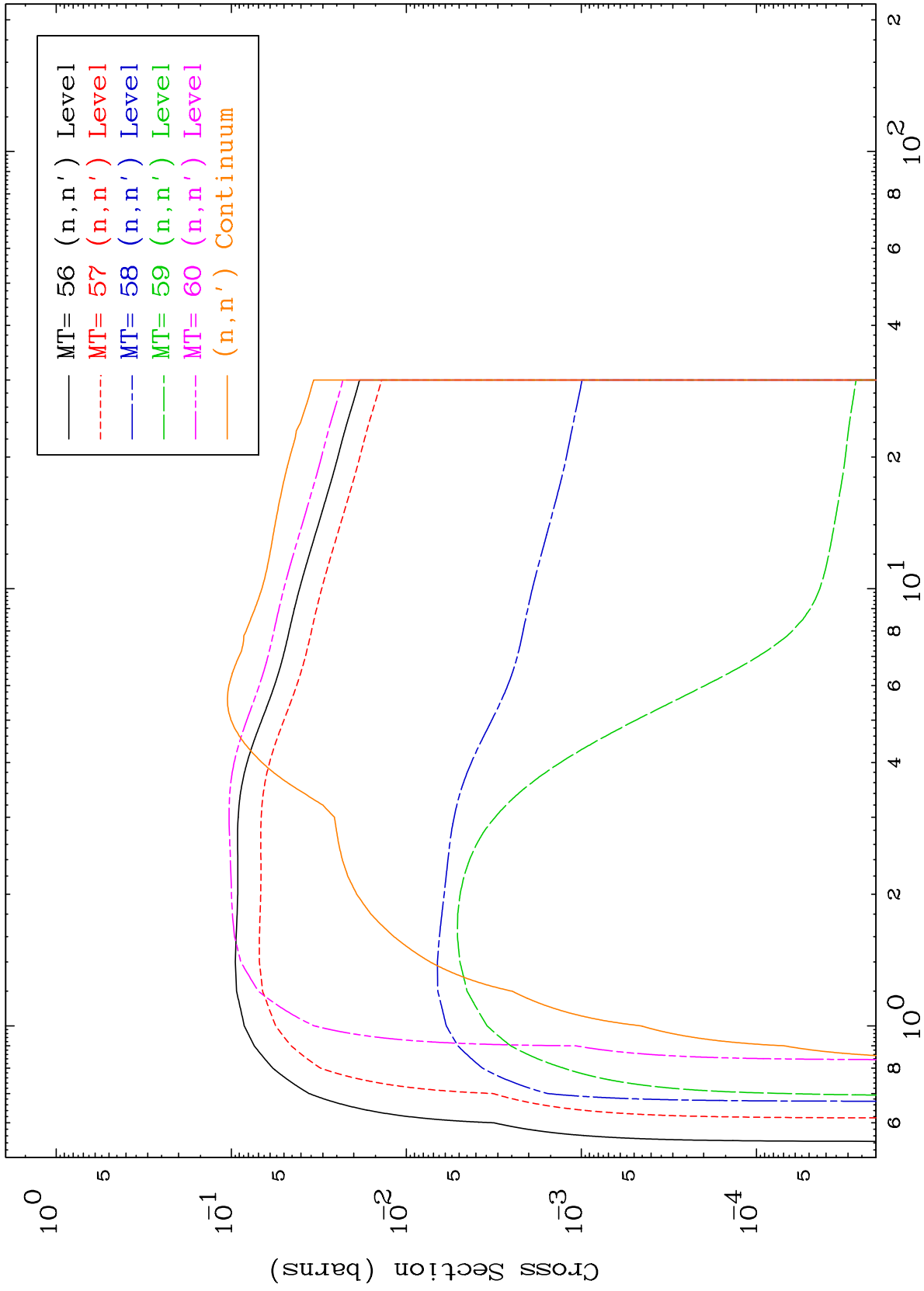
Incident Energy (MeV)

39-Y -81

MAT 3901

(n,n') Level  
293 Kelvin Cross Sections

39-Y -81



7

Incident Energy (MeV)

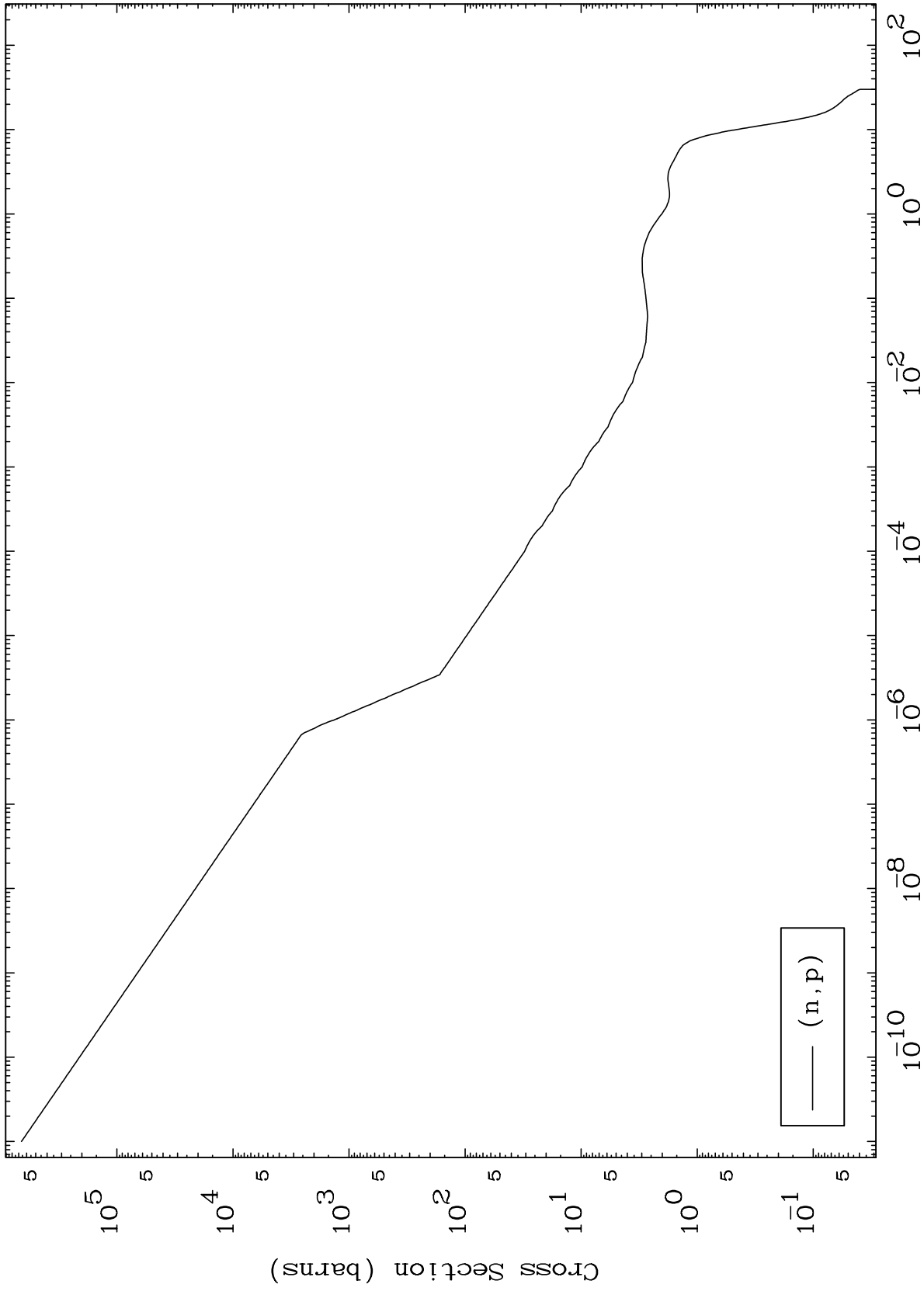
39-Y -81



MAT 3901

(n,p) Levels  
293 Kelvin Cross Sections

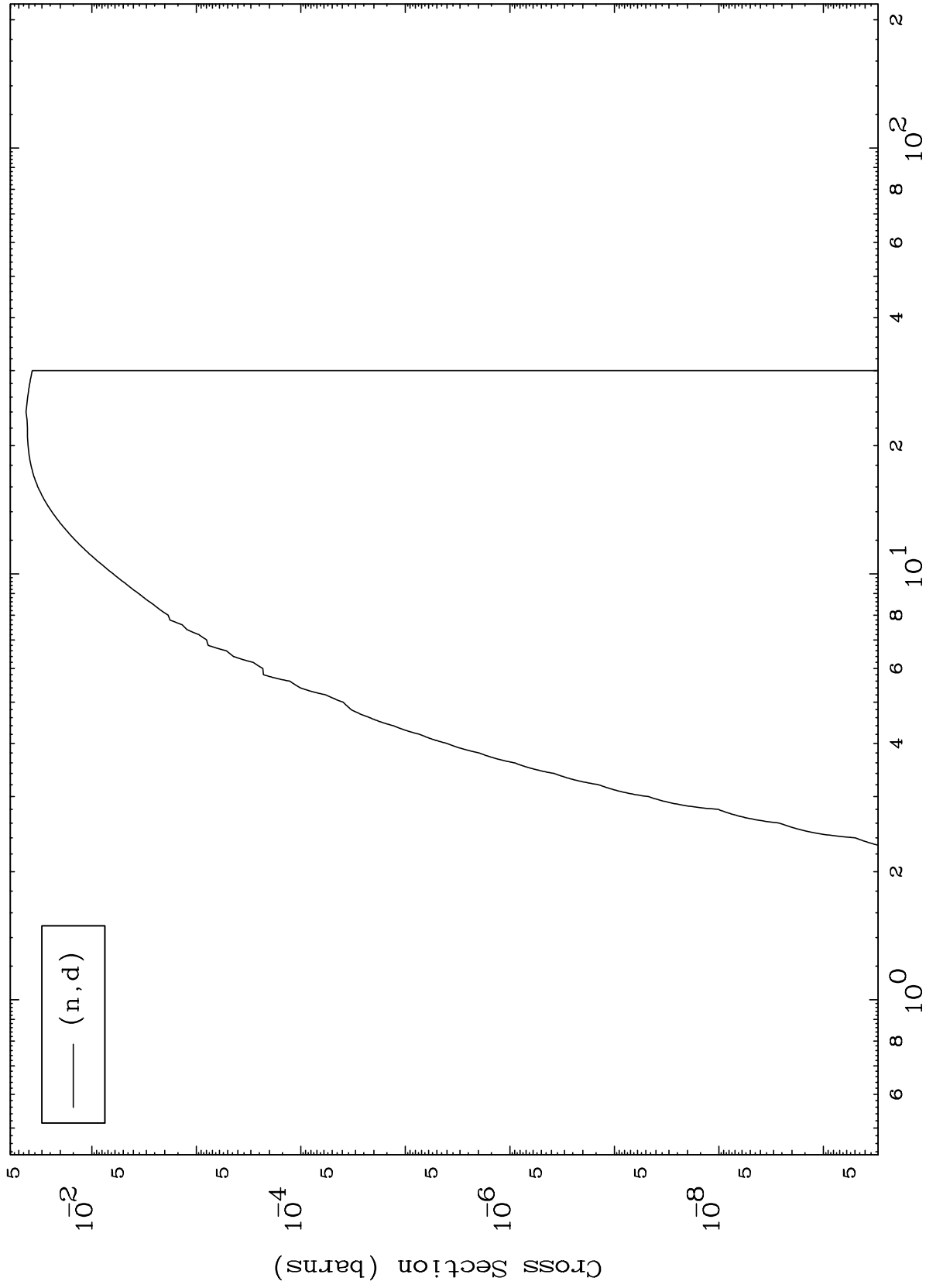
39-Y -81



MAT 3901

(n,d) Levels  
293 Kelvin Cross Sections

39-Y -81



9

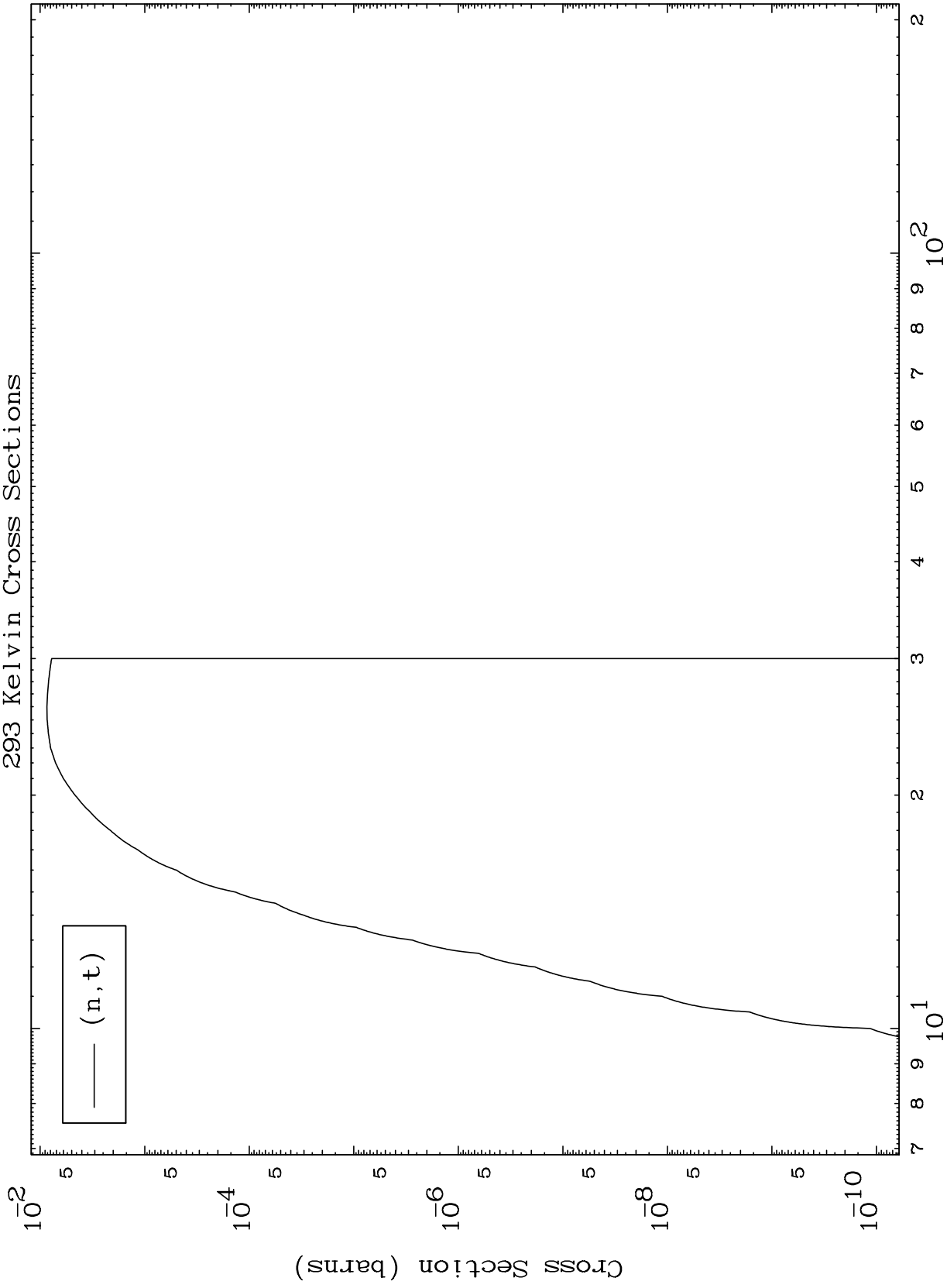
Incident Energy (MeV)

39-Y -81

MAT 3901

39-Y -81

(n,t) Levels  
293 Kelvin Cross Sections



10

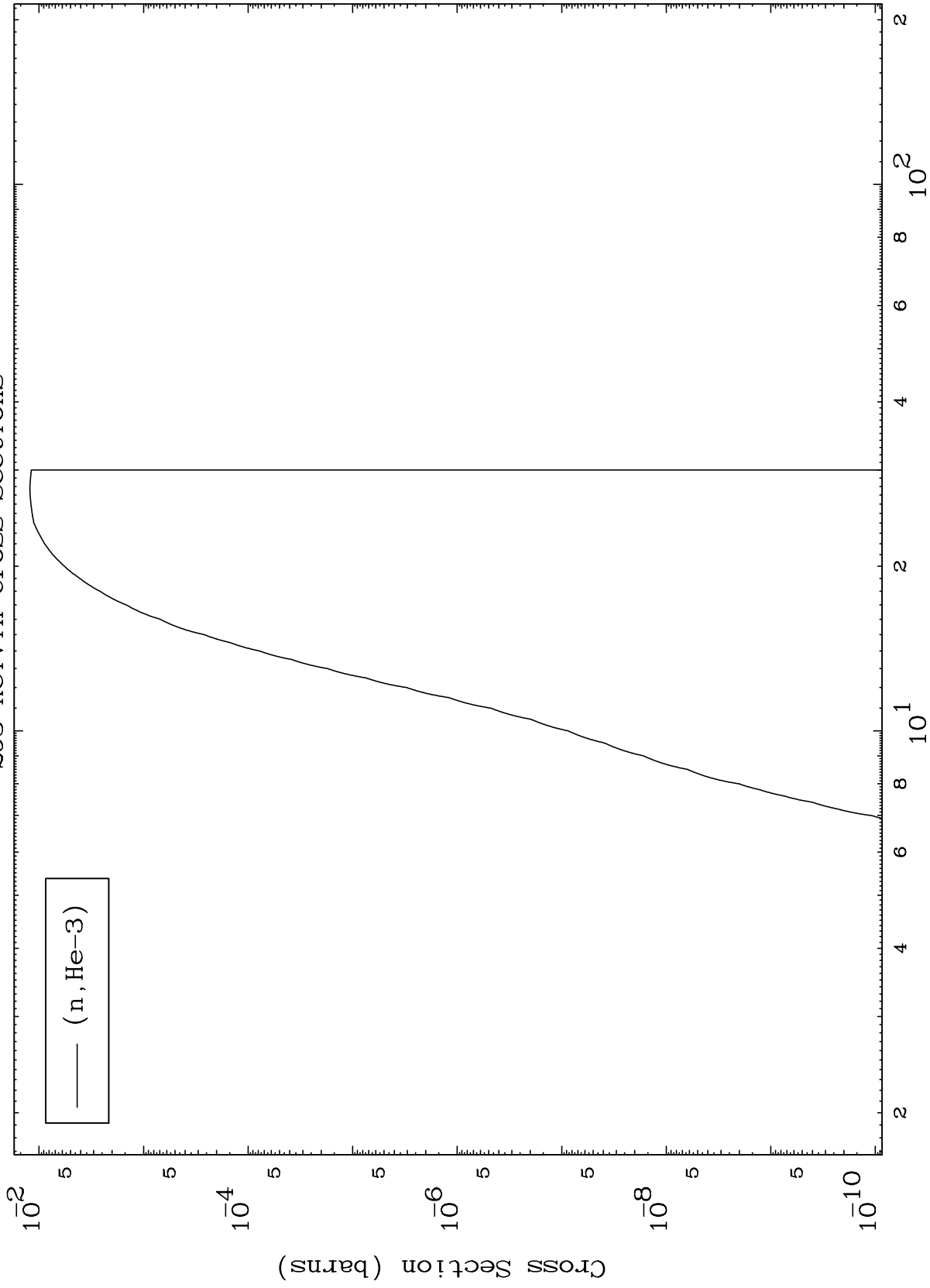
Incident Energy (MeV)

39-Y -81

MAT 3901

(n,He3) Levels  
293 Kelvin Cross Sections

39-Y -81



11

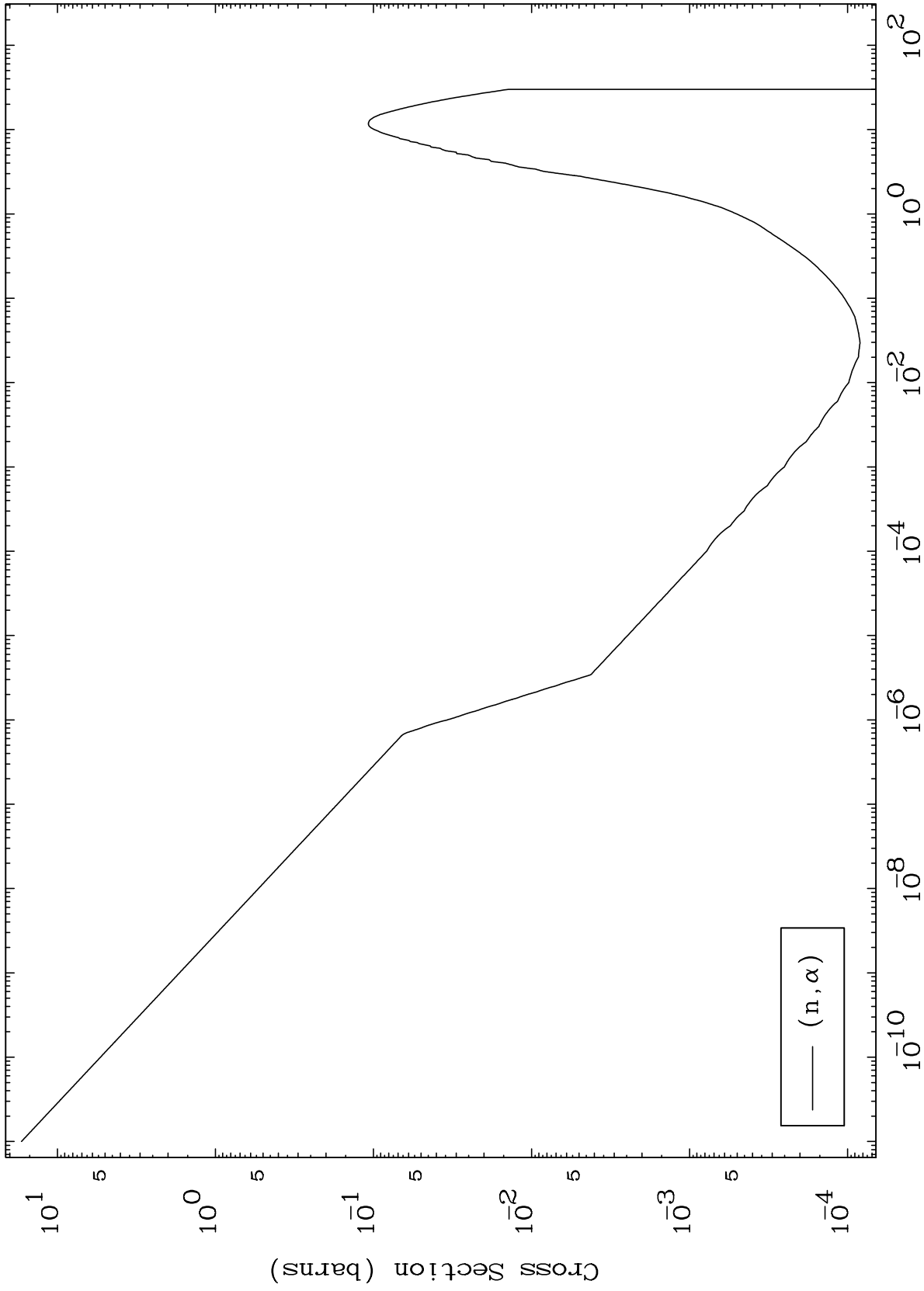
Incident Energy (MeV)

39-Y -81

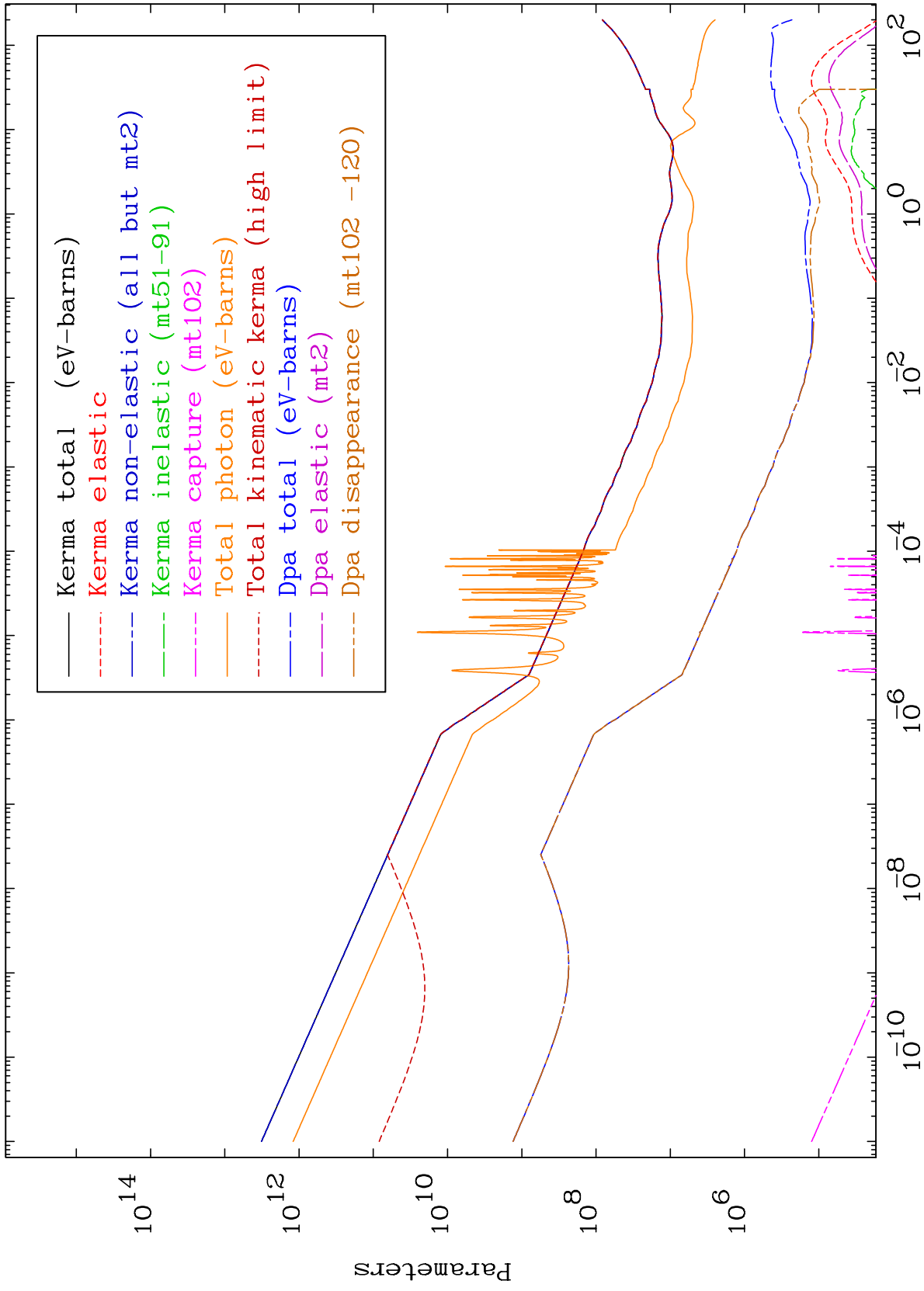
MAT 3901

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

39-Y -81



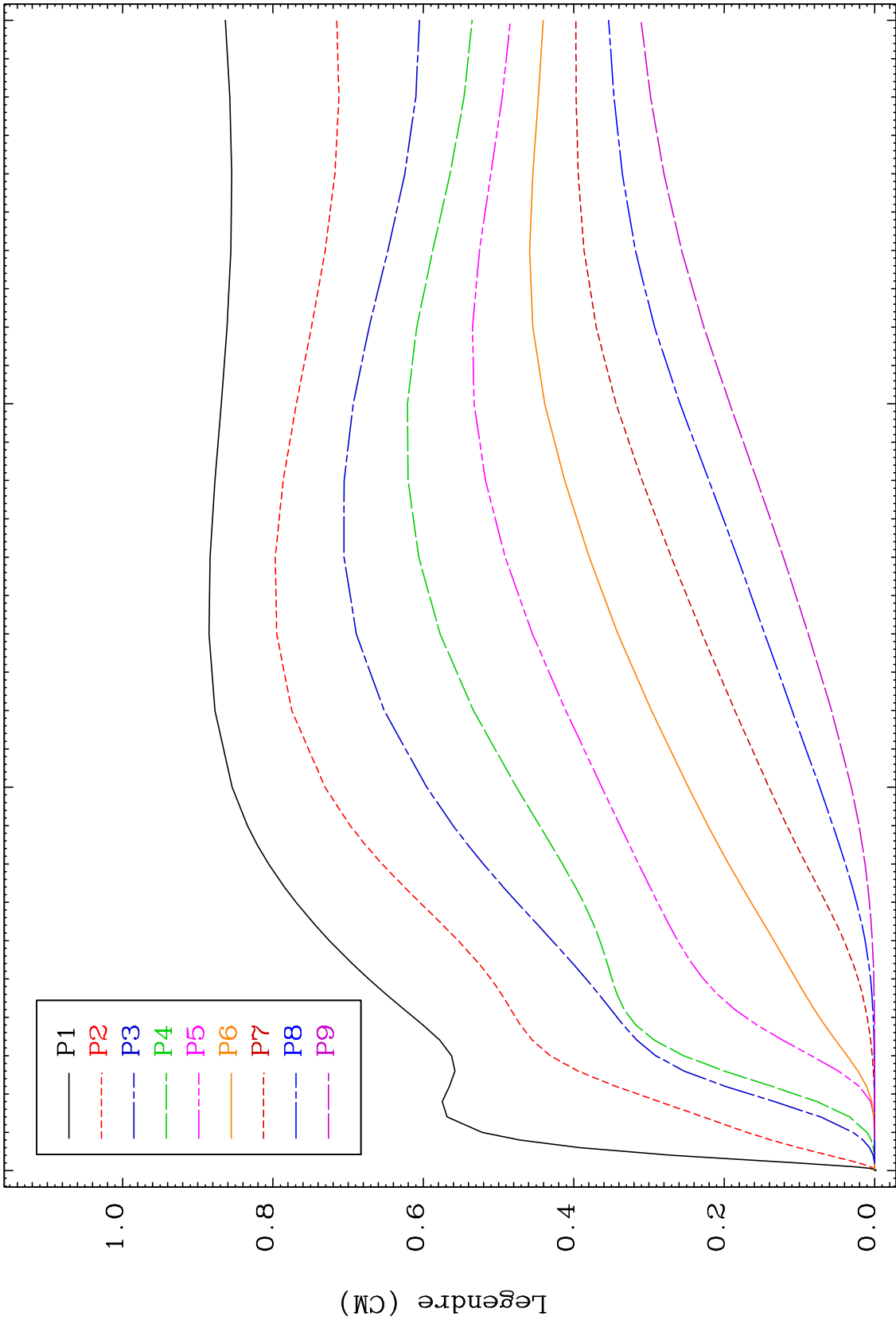
— (n,  $\alpha$ )



MAT 3901

Elastic Legendre Coefficients

39-Y -81



14

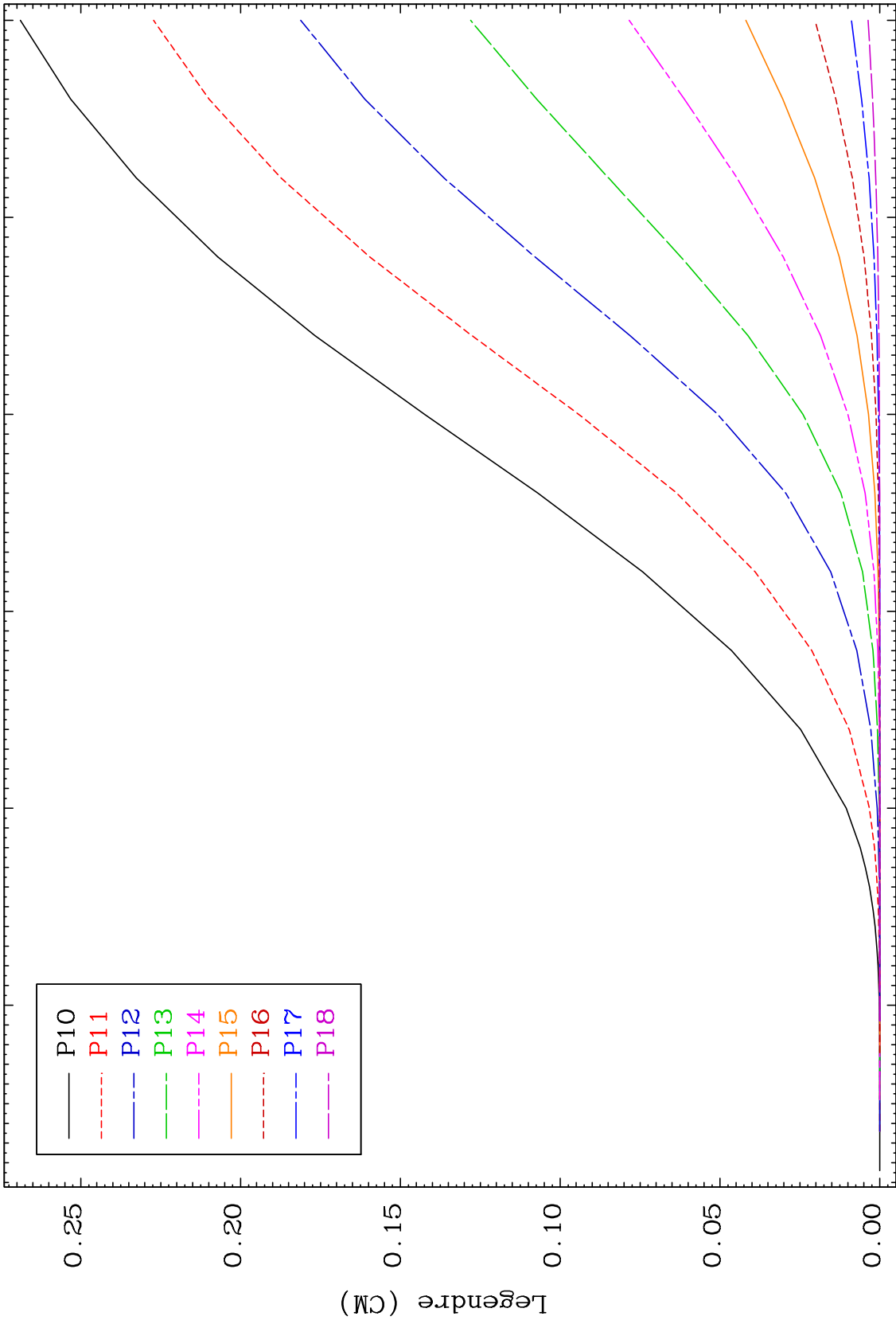
Incident Energy (MeV)

39-Y -81

MAT 3901

Elastic Legendre Coefficients

39-Y -81



15

Incident Energy (MeV)

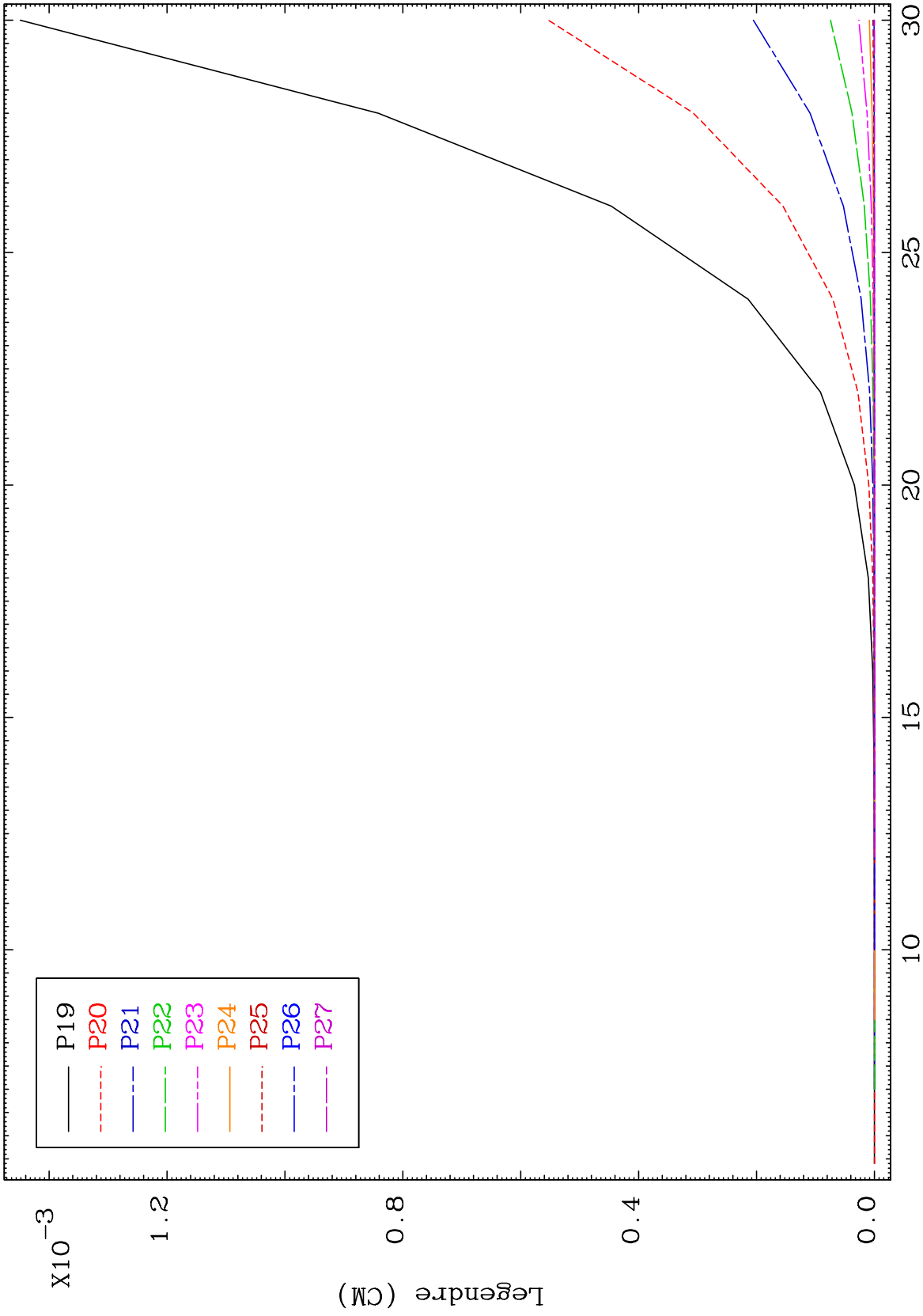
39-Y -81



MAT 3901

### Elastic Legendre Coefficients

39-Y -81



16

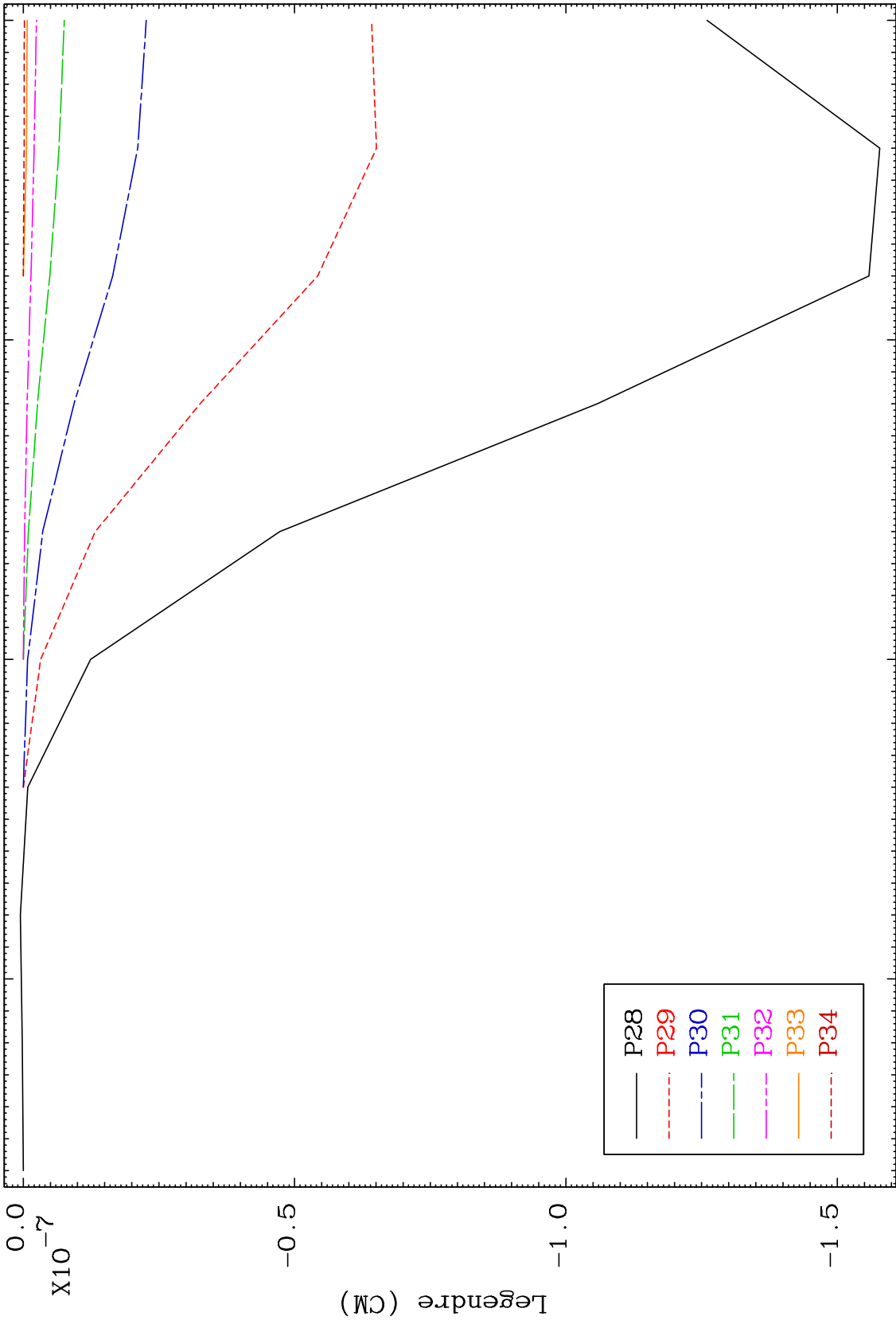
Incident Energy (MeV)

39-Y -81

MAT 3901

39-Y -81

Elastic  
Legendre Coefficients



17

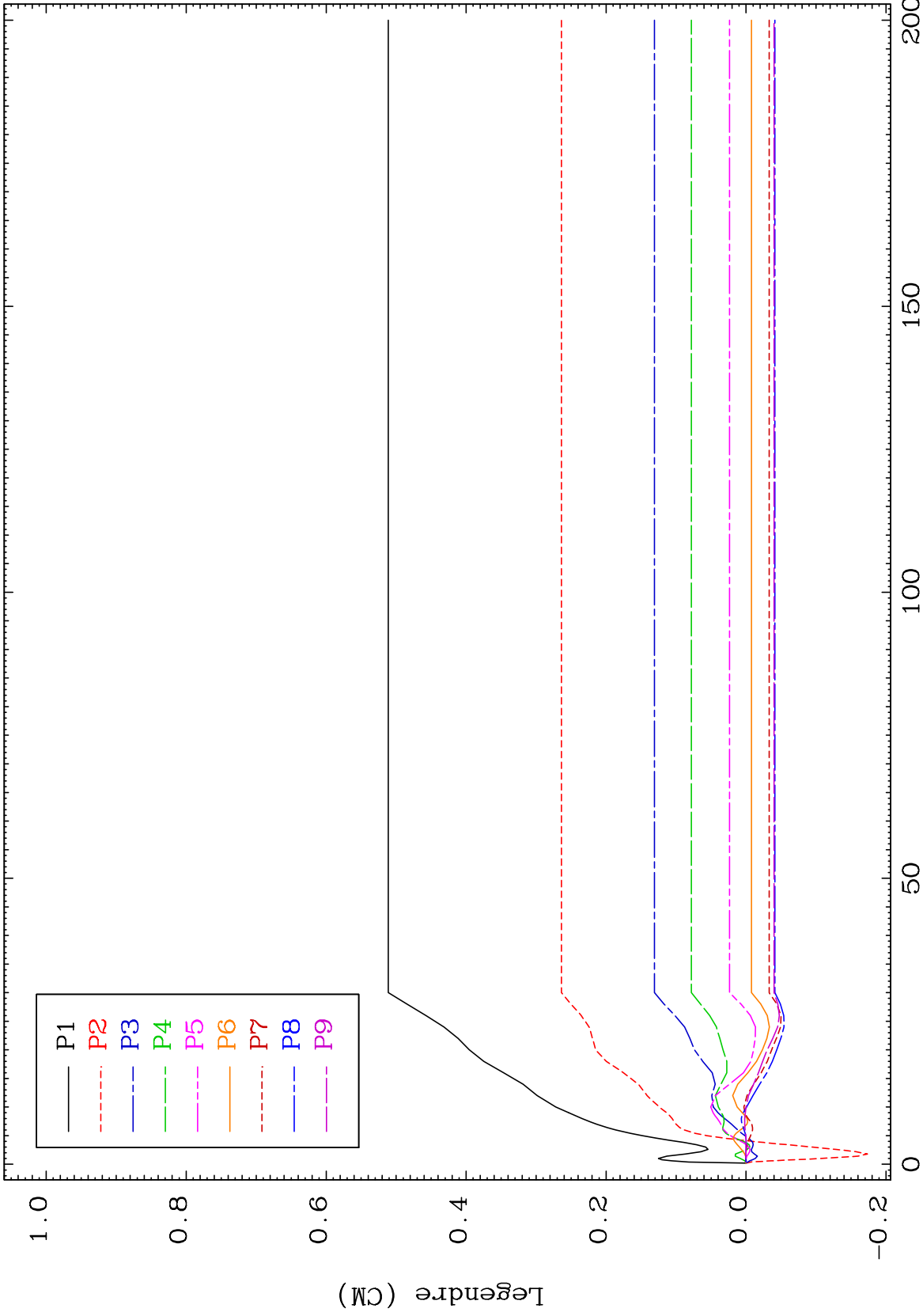
Incident Energy (MeV)

39-Y -81

MAT 3901

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

39-Y -81



18

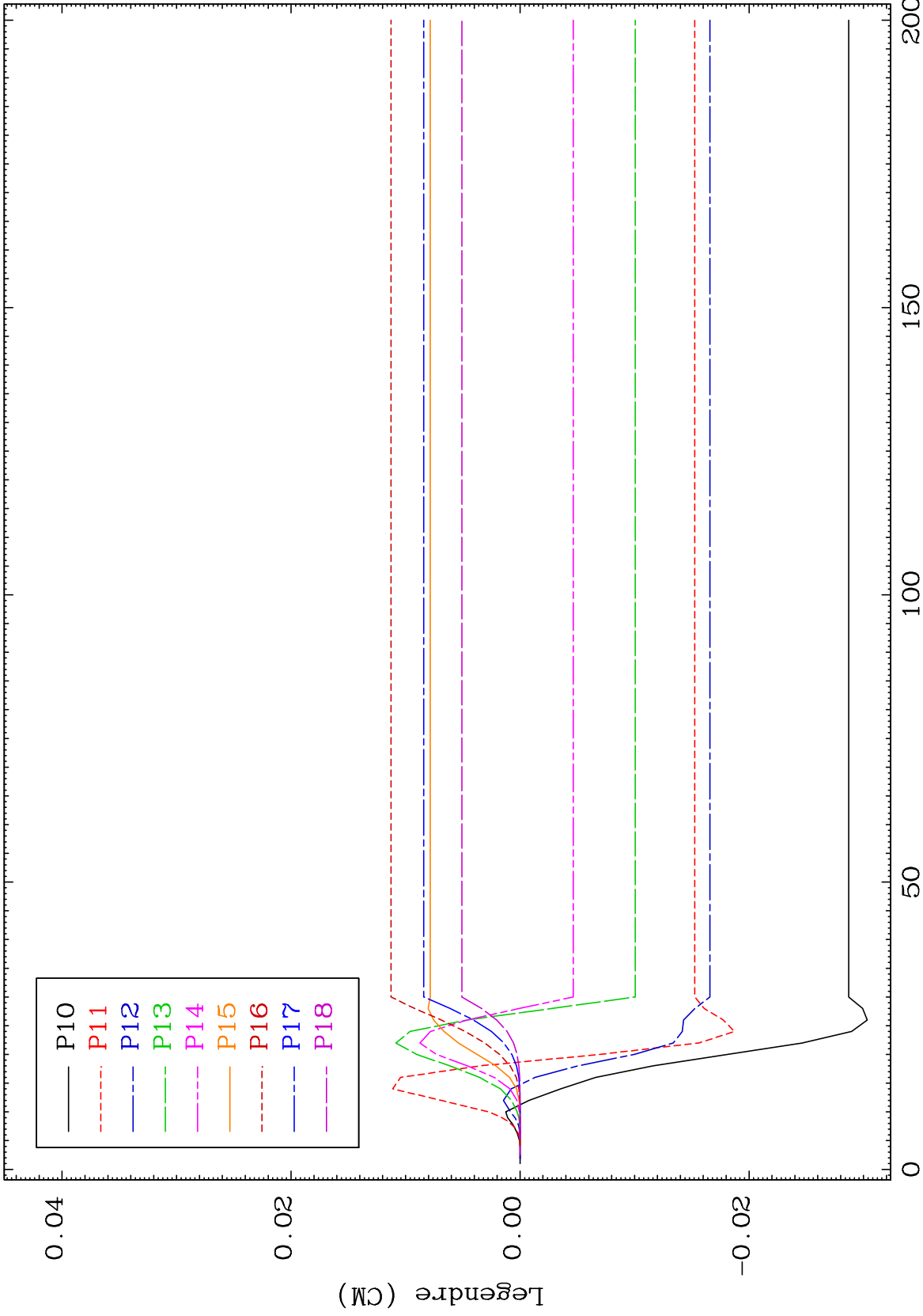
Incident Energy (MeV)

39-Y -81

MAT 3901

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

39-Y -81



19

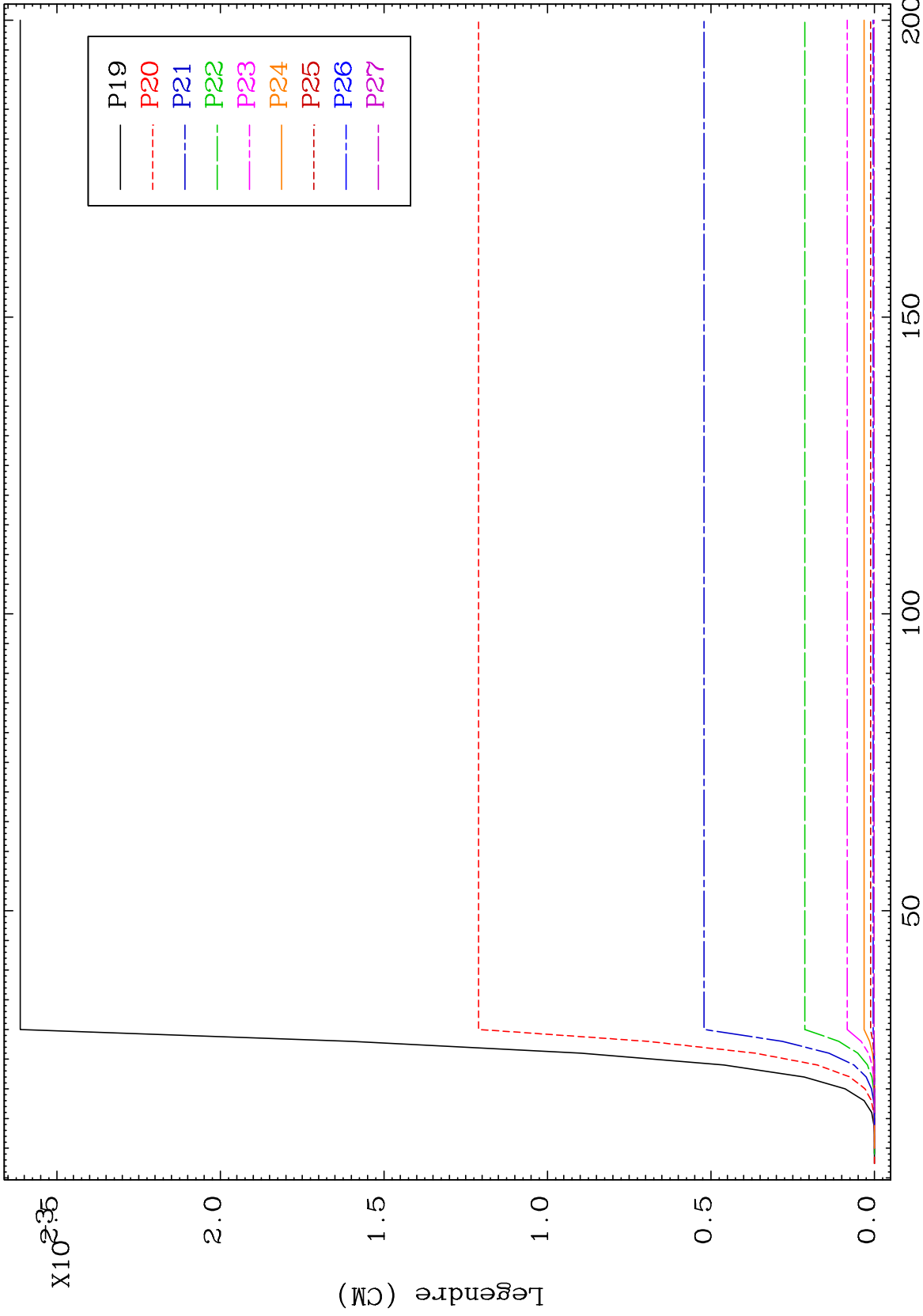
Incident Energy (MeV)

39-Y -81

MAT 3901

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

39-Y -81



20

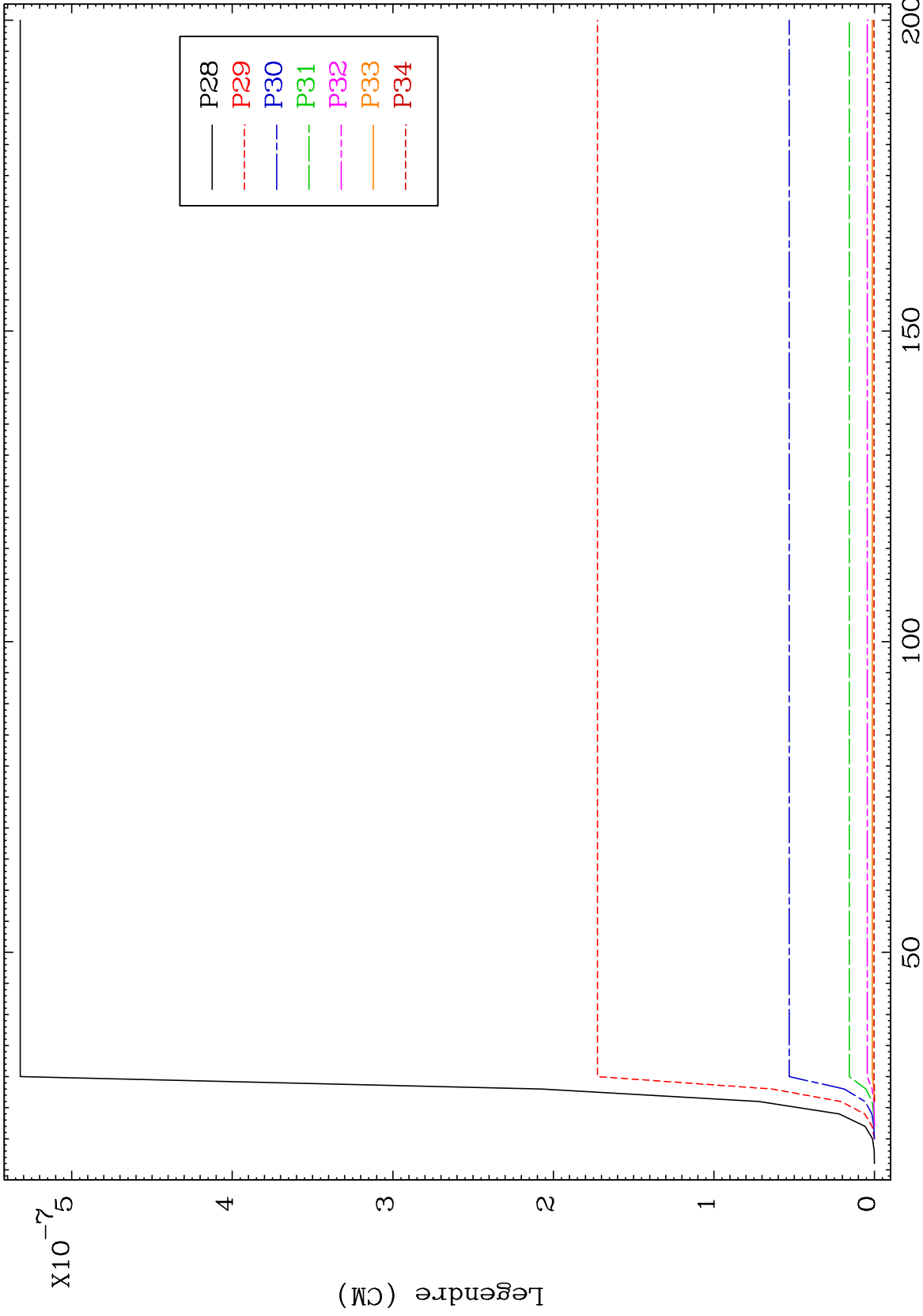
Incident Energy (MeV)

39-Y -81

MAT 3901

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

39-Y -81



21

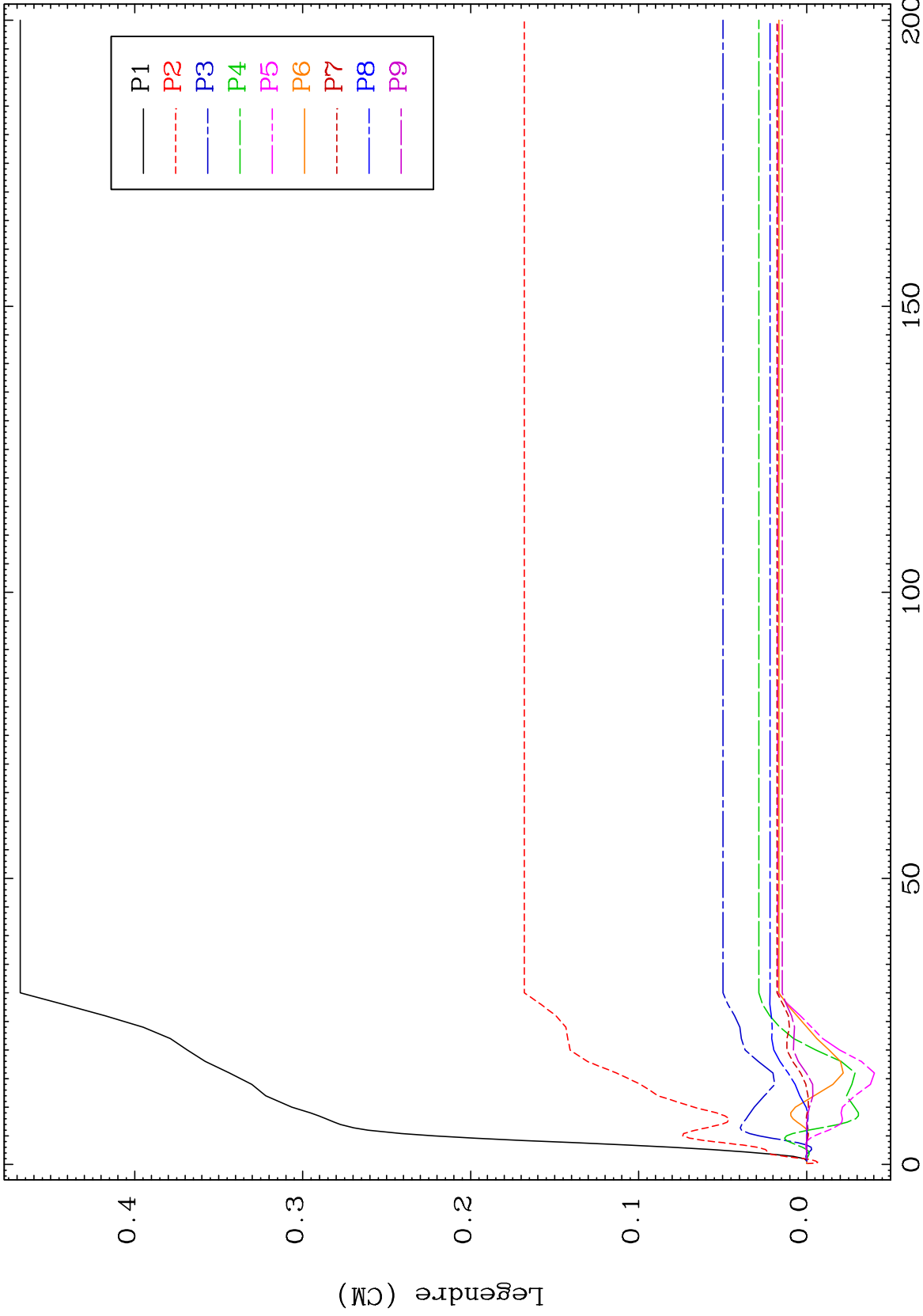
Incident Energy (MeV)

39-Y -81

MAT 3901

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

39-Y -81



22

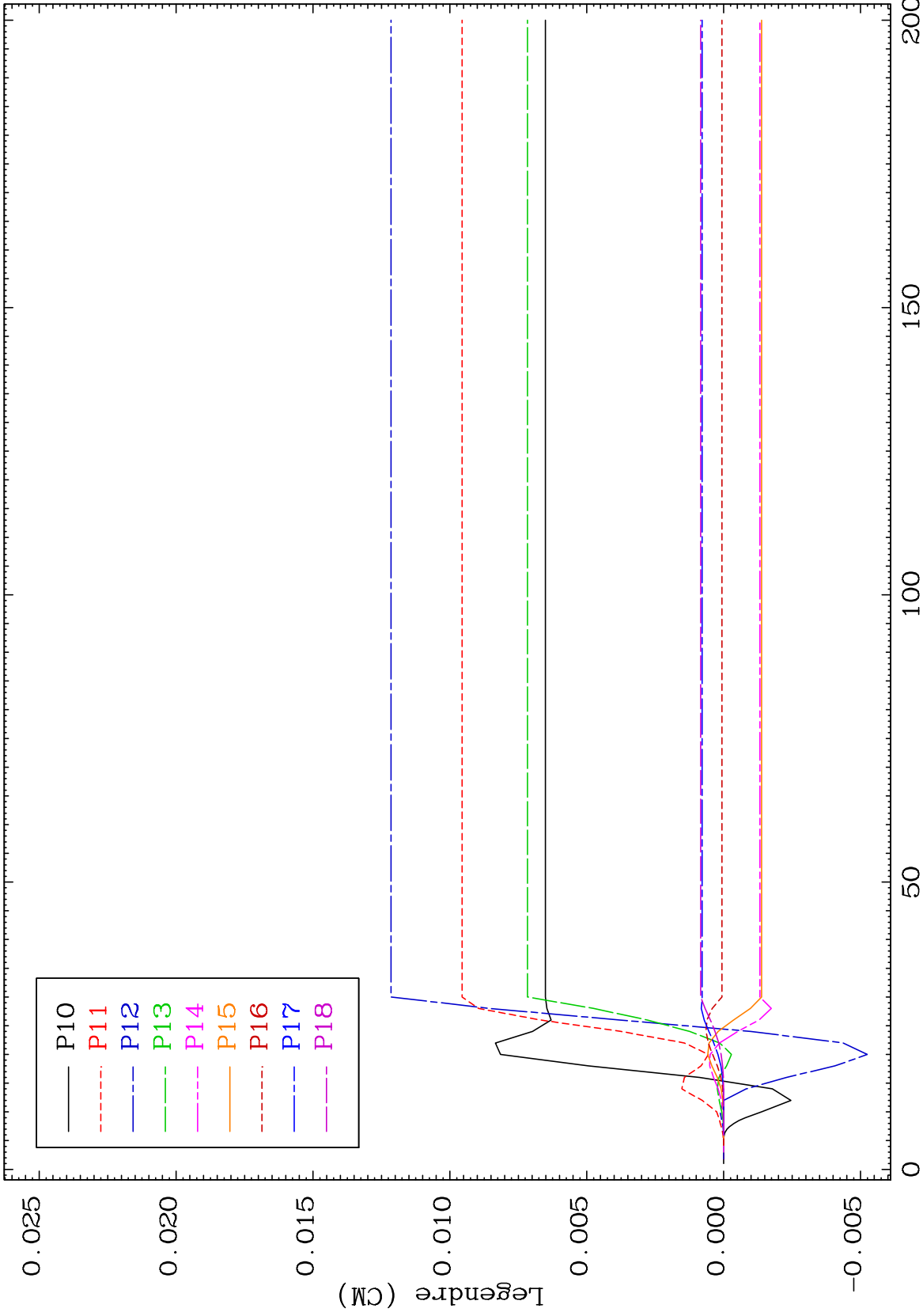
Incident Energy (MeV)

39-Y -81

MAT 3901

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

39-Y -81



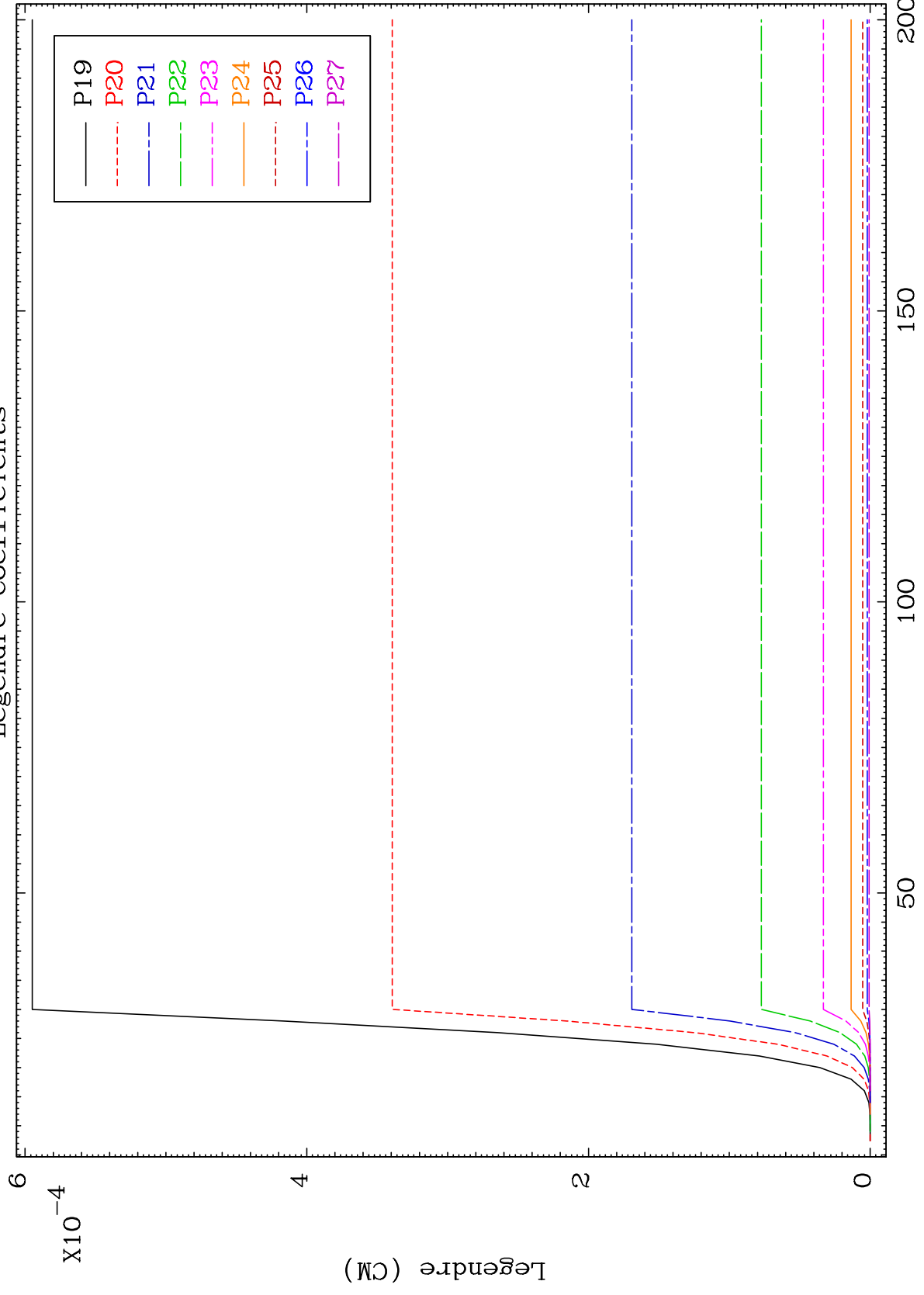
23

Incident Energy (MeV)

39-Y -81



MAT 3901 MT= 52 (n,n') Level Legendre Coefficients 39-Y -81

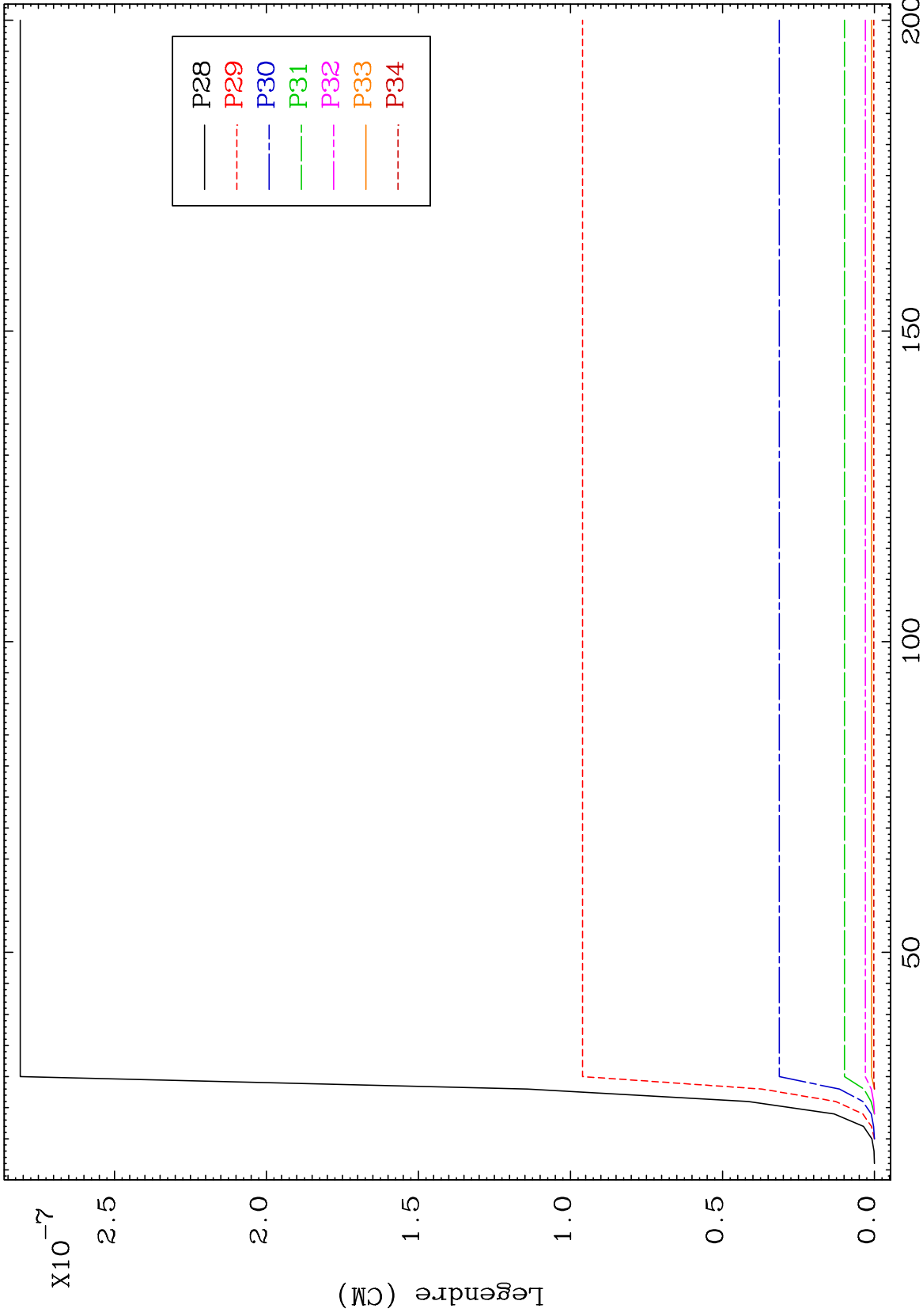


24 50 100 150 200 39-Y -81

MAT 3901

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

39-Y -81



25

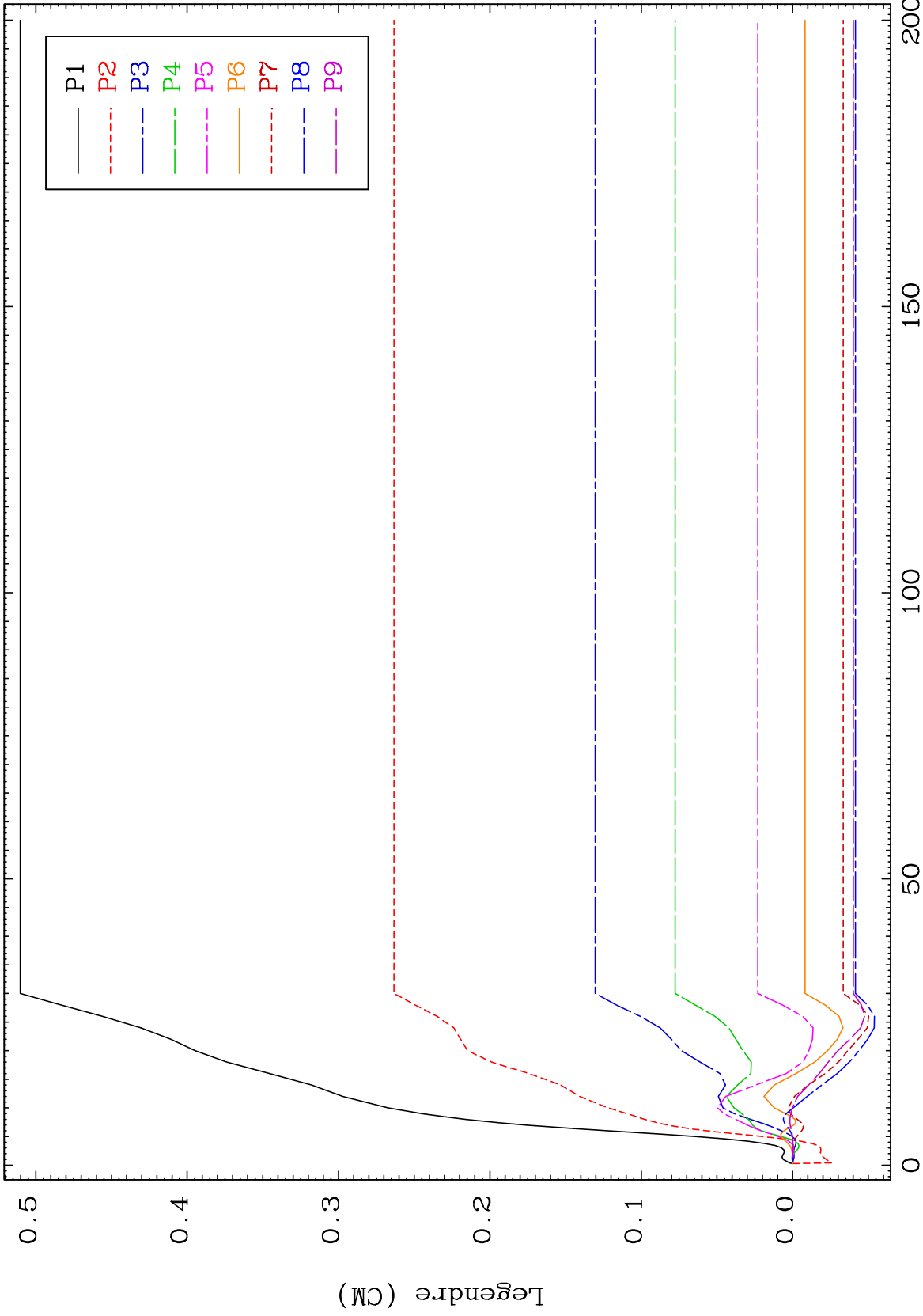
Incident Energy (MeV)

39-Y -81

MAT 3901

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

39-Y -81



26

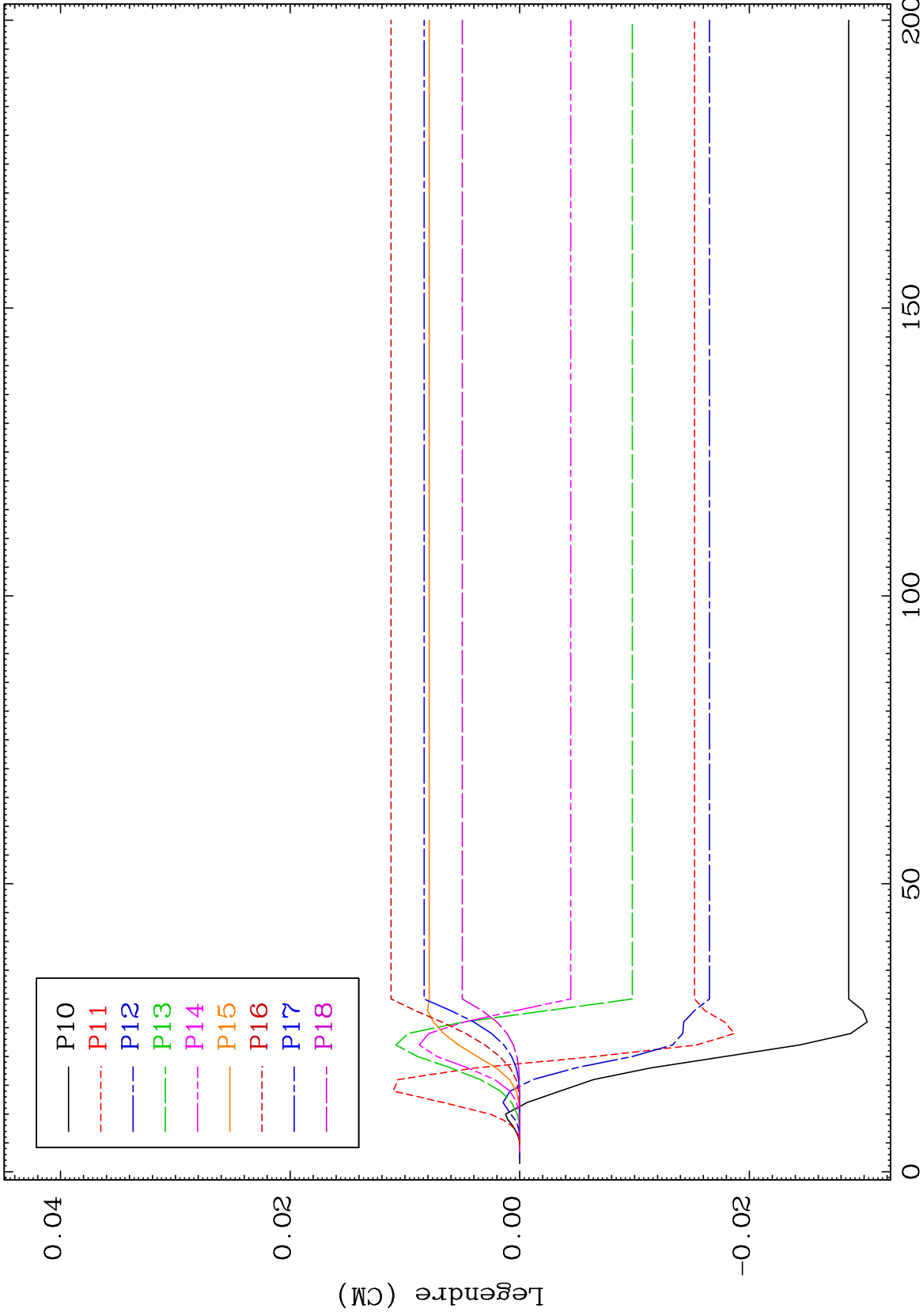
Incident Energy (MeV)

39-Y -81

MAT 3901

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

39-Y -81



27

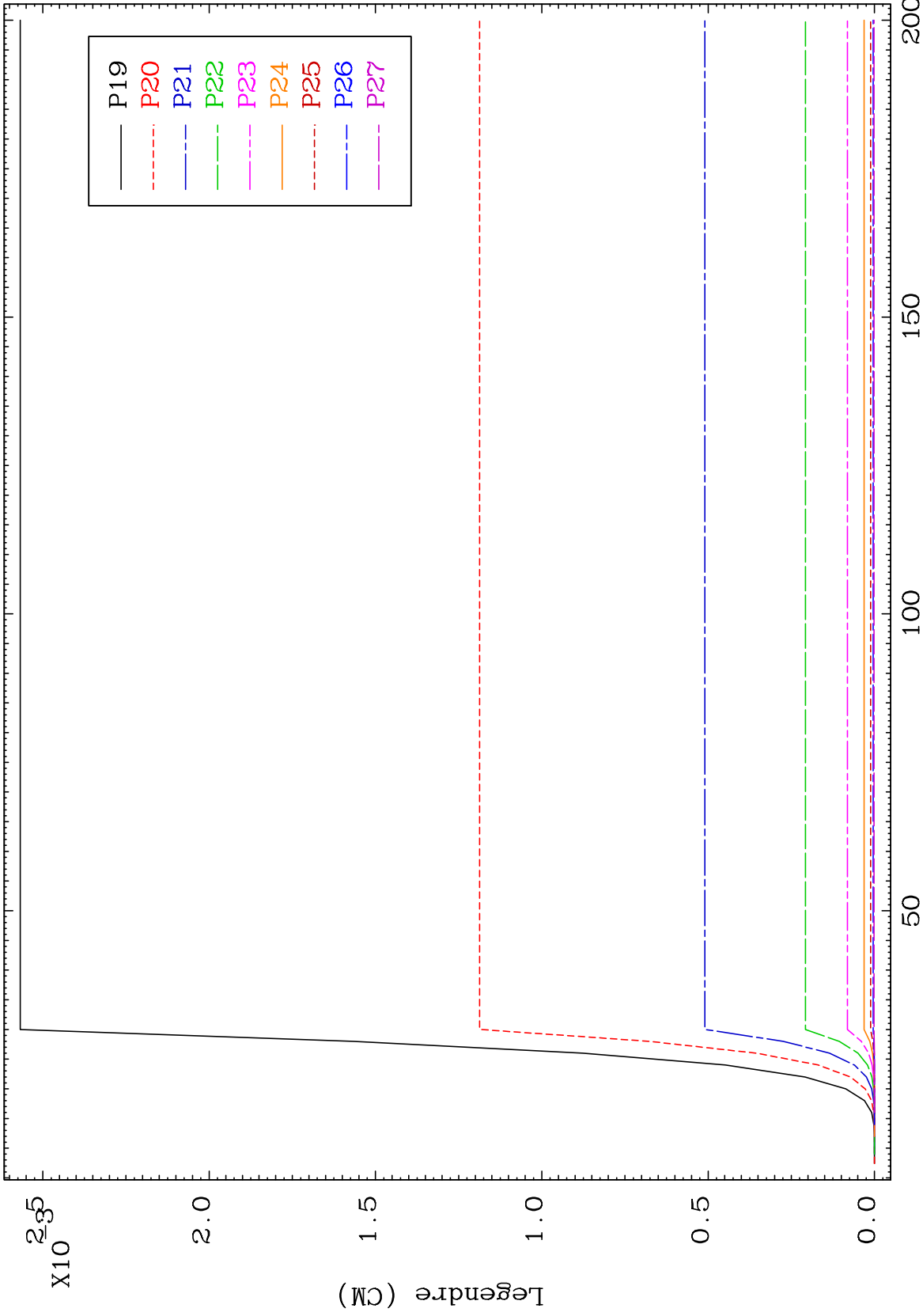
Incident Energy (MeV)

39-Y -81

MAT 3901

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

39-Y -81



28

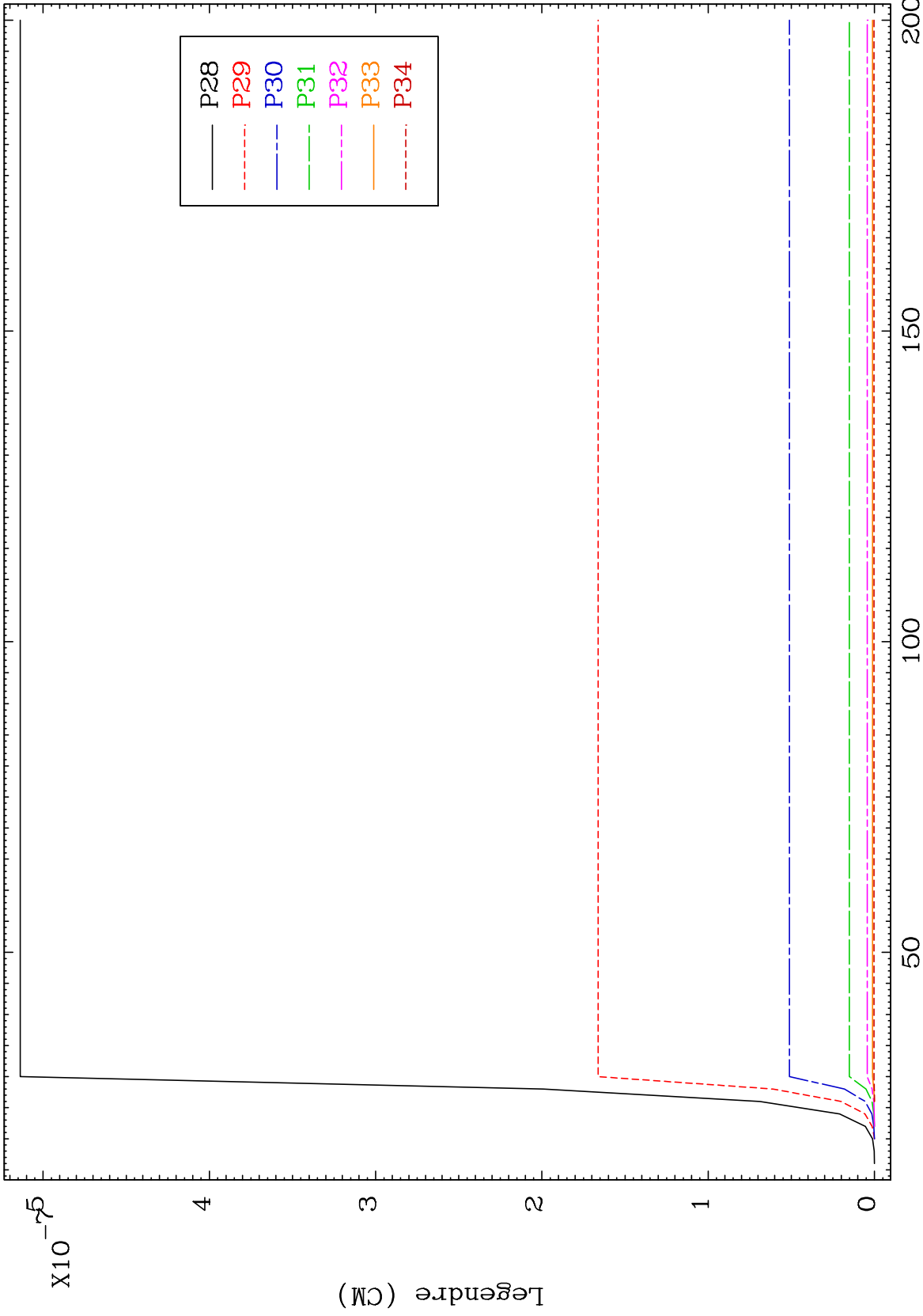
Incident Energy (MeV)

39-Y -81

MAT 3901

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

39-Y -81



29

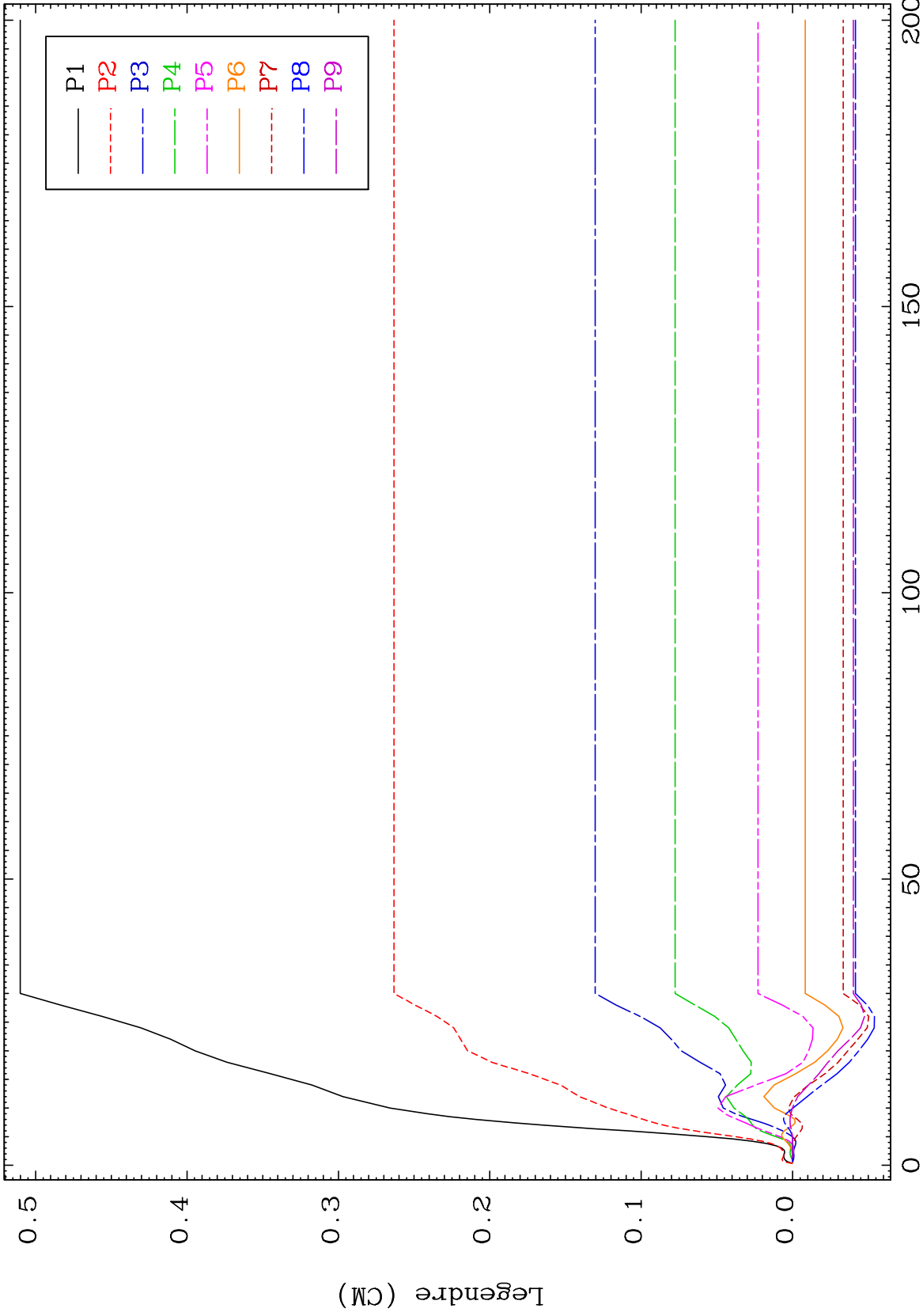
Incident Energy (MeV)

39-Y -81

MAT 3901

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

39-Y -81



39-Y -81

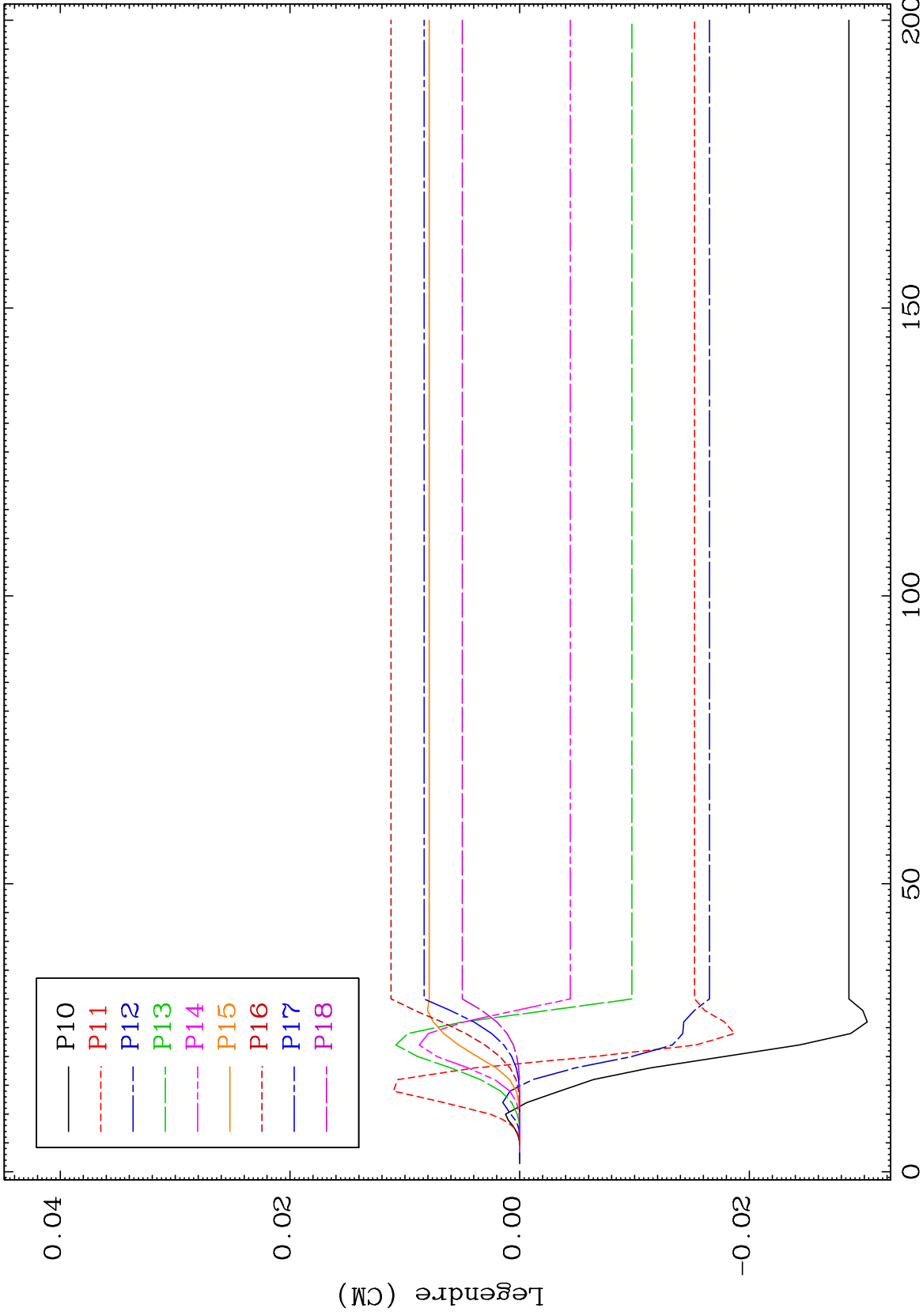
Incident Energy (MeV)

30

MAT 3901

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

39-Y -81



31

Incident Energy (MeV)

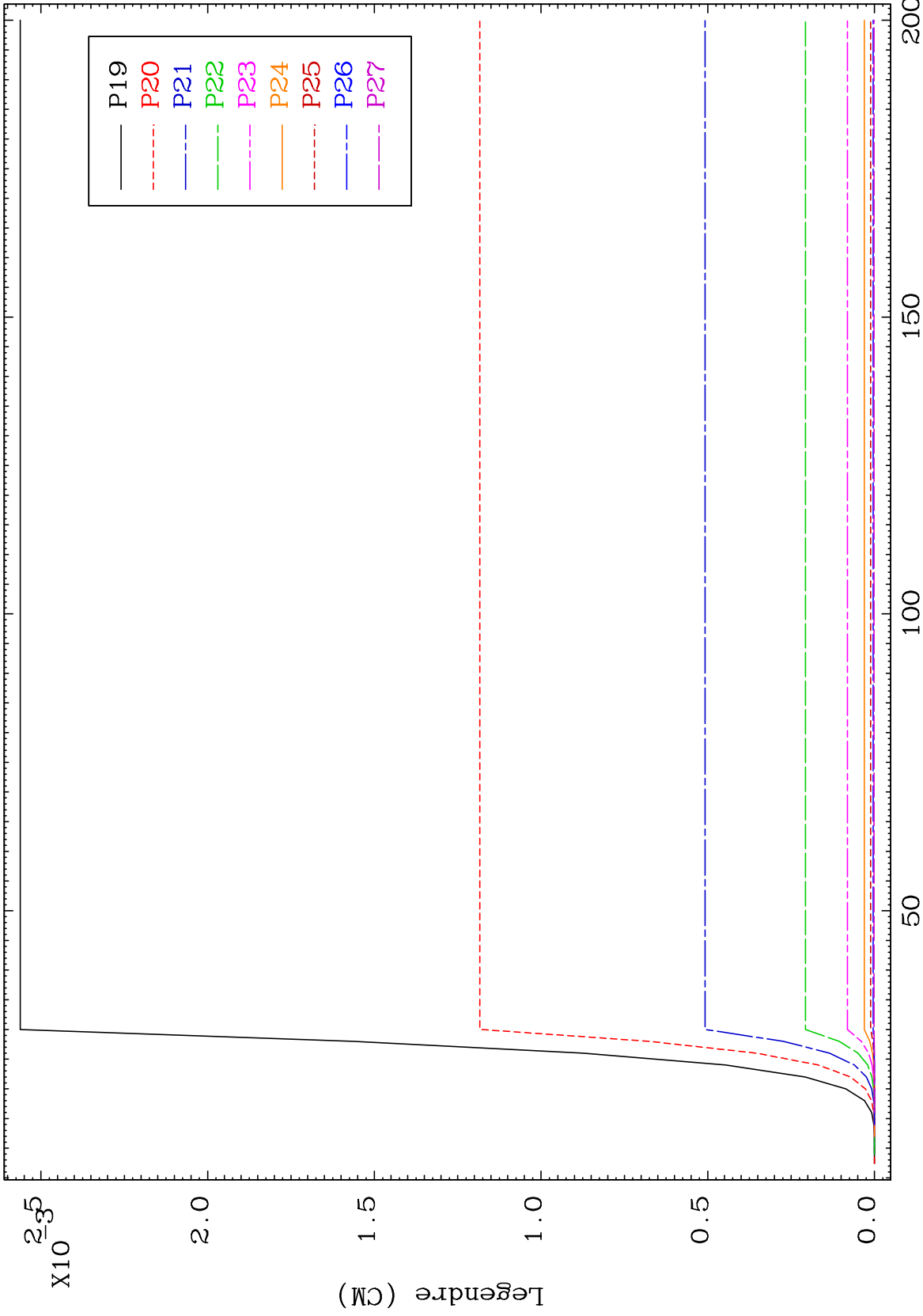
39-Y -81



MAT 3901

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

39-Y -81



32

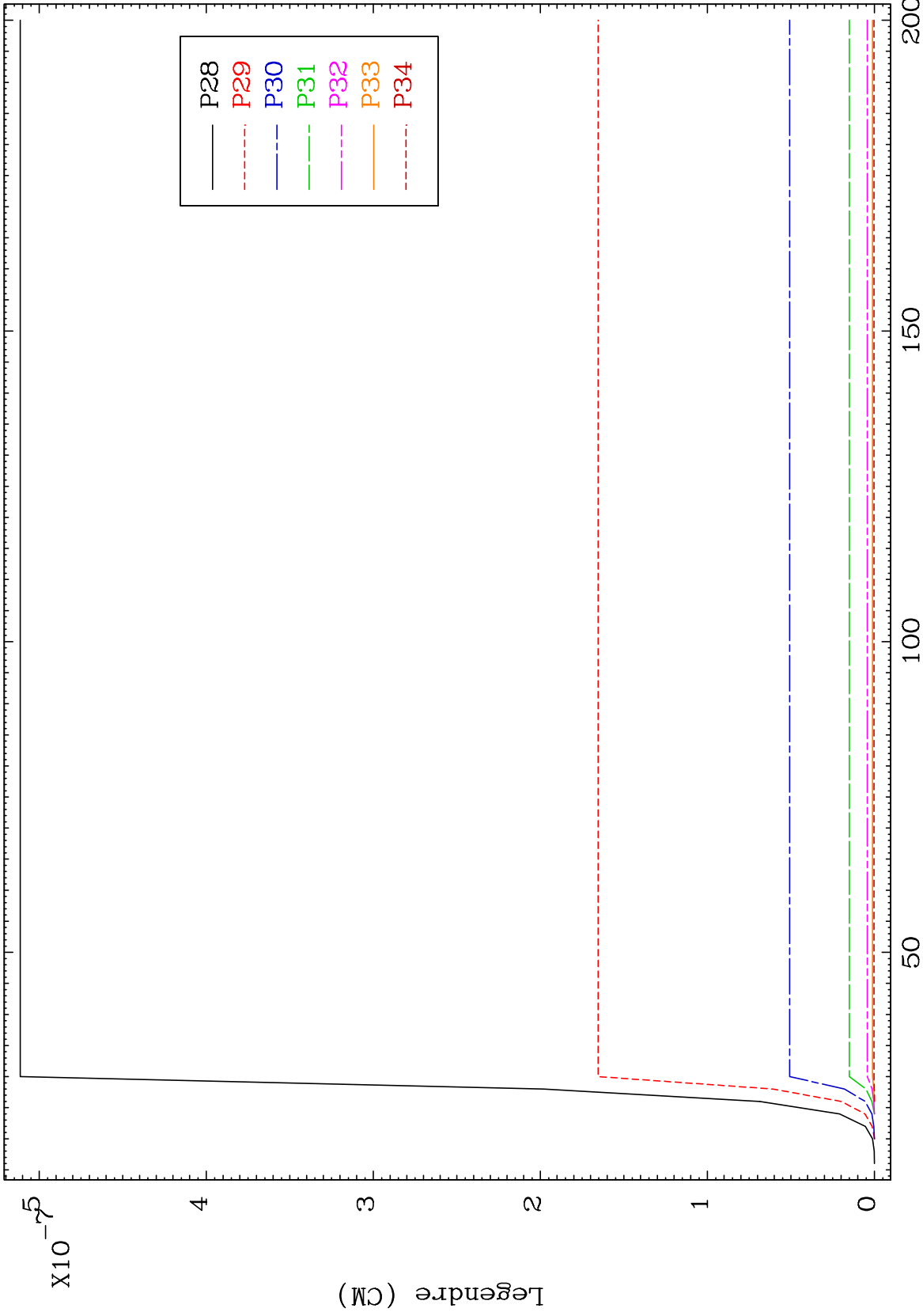
Incident Energy (MeV)

39-Y -81

MAT 3901

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

39-Y -81



33

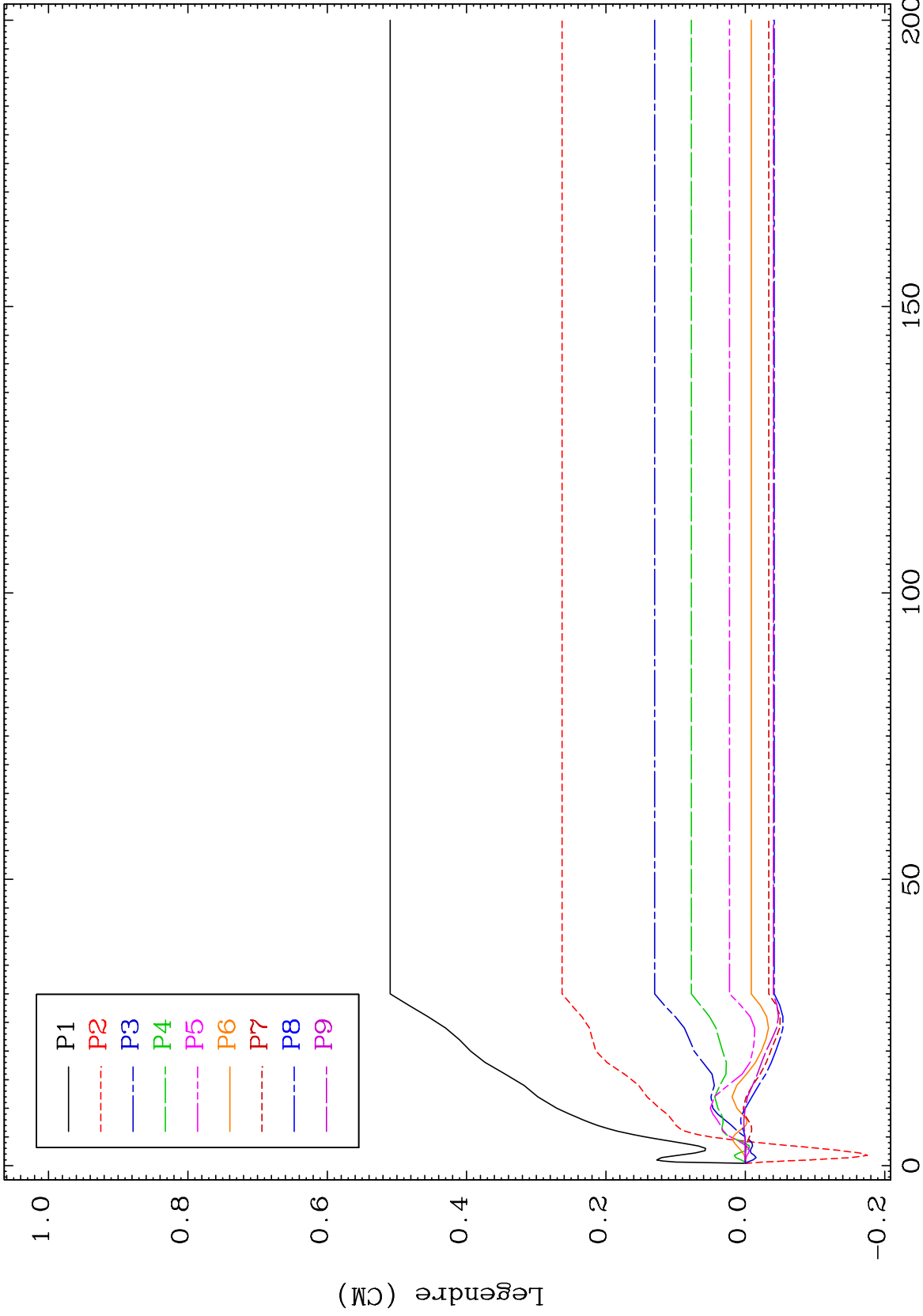
Incident Energy (MeV)

39-Y -81

MAT 3901

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

39-Y -81



34

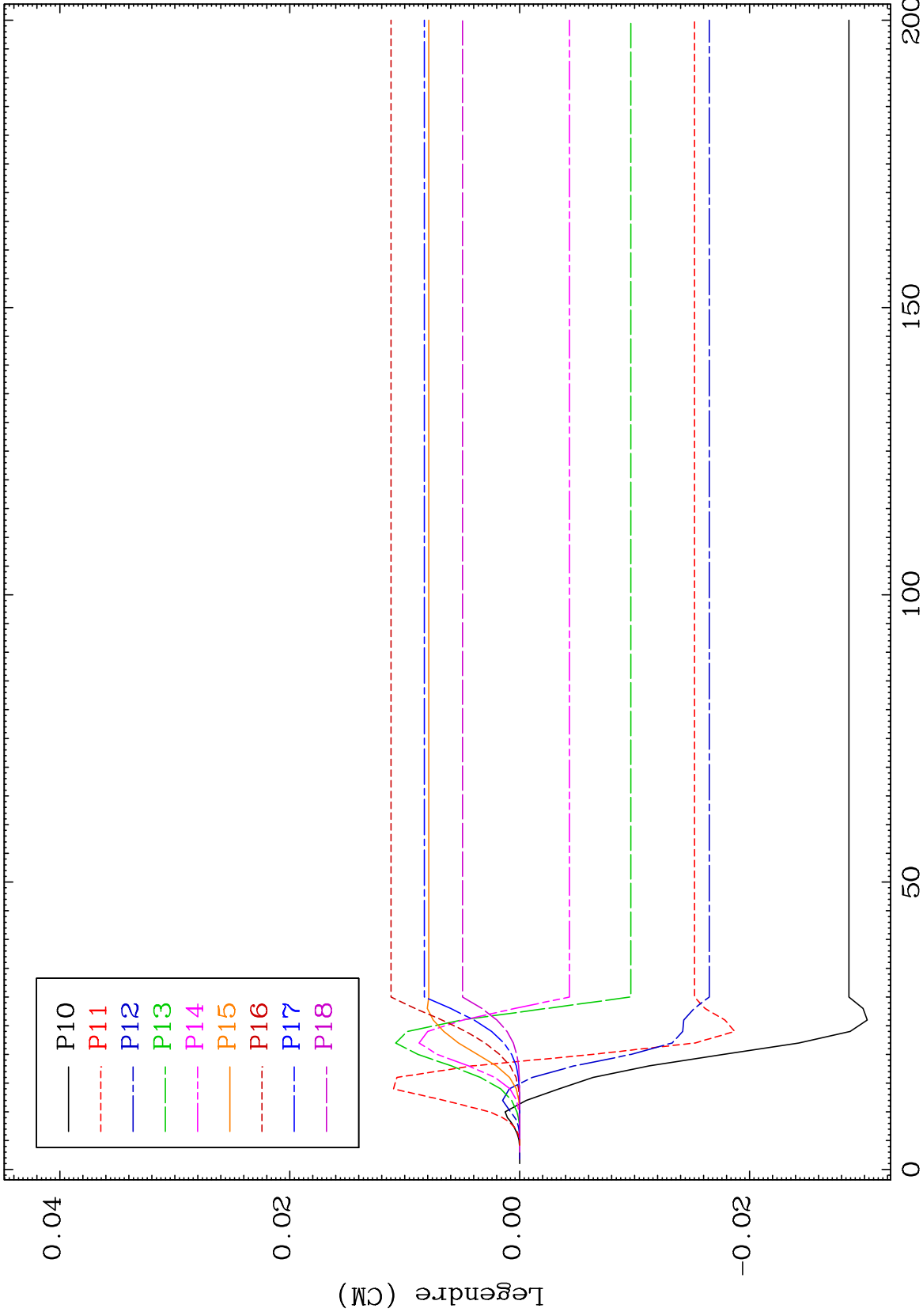
Incident Energy (MeV)

39-Y -81

MAT 3901

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

39-Y -81



35

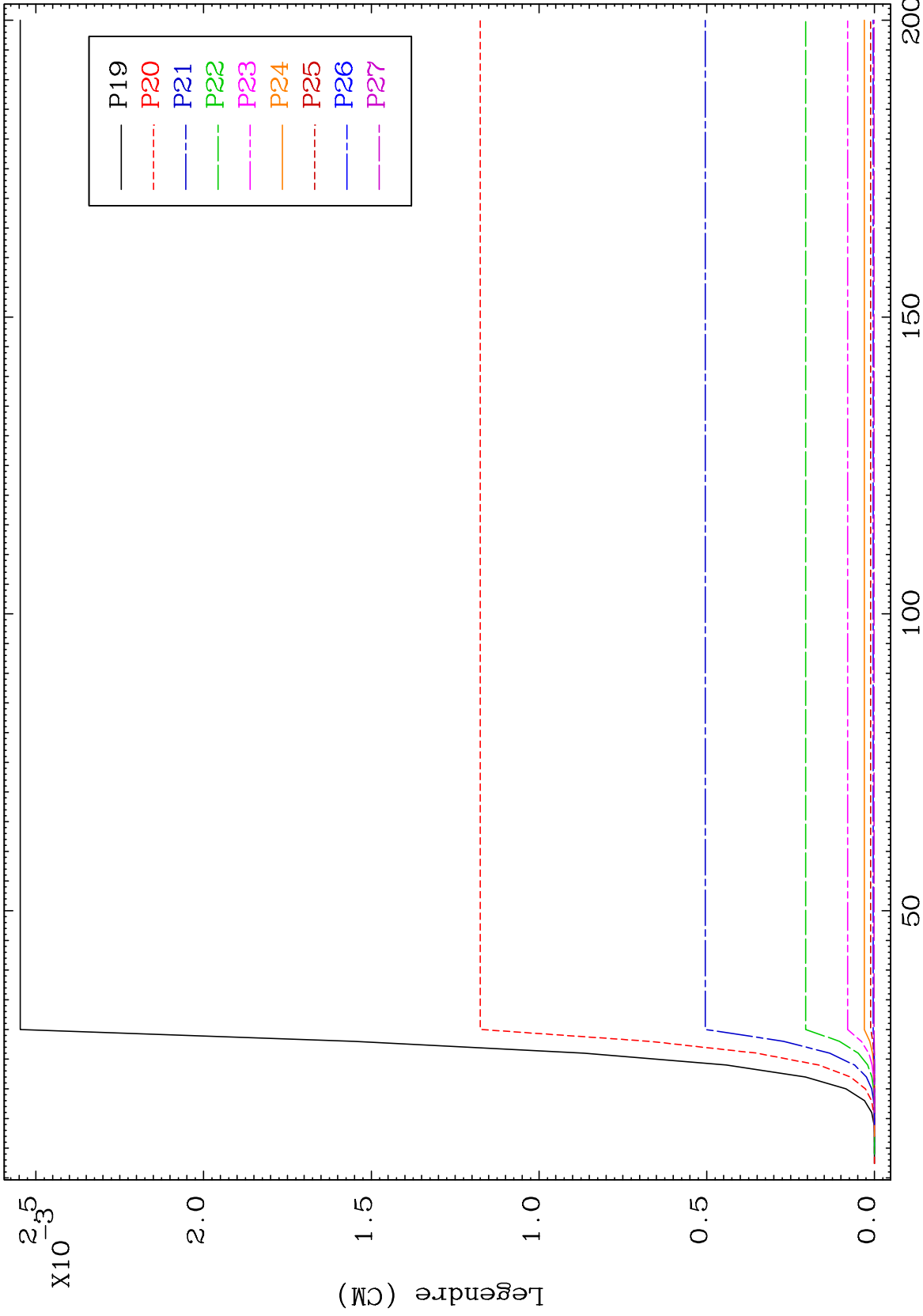
Incident Energy (MeV)

39-Y -81

MAT 3901

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

39-Y -81



36

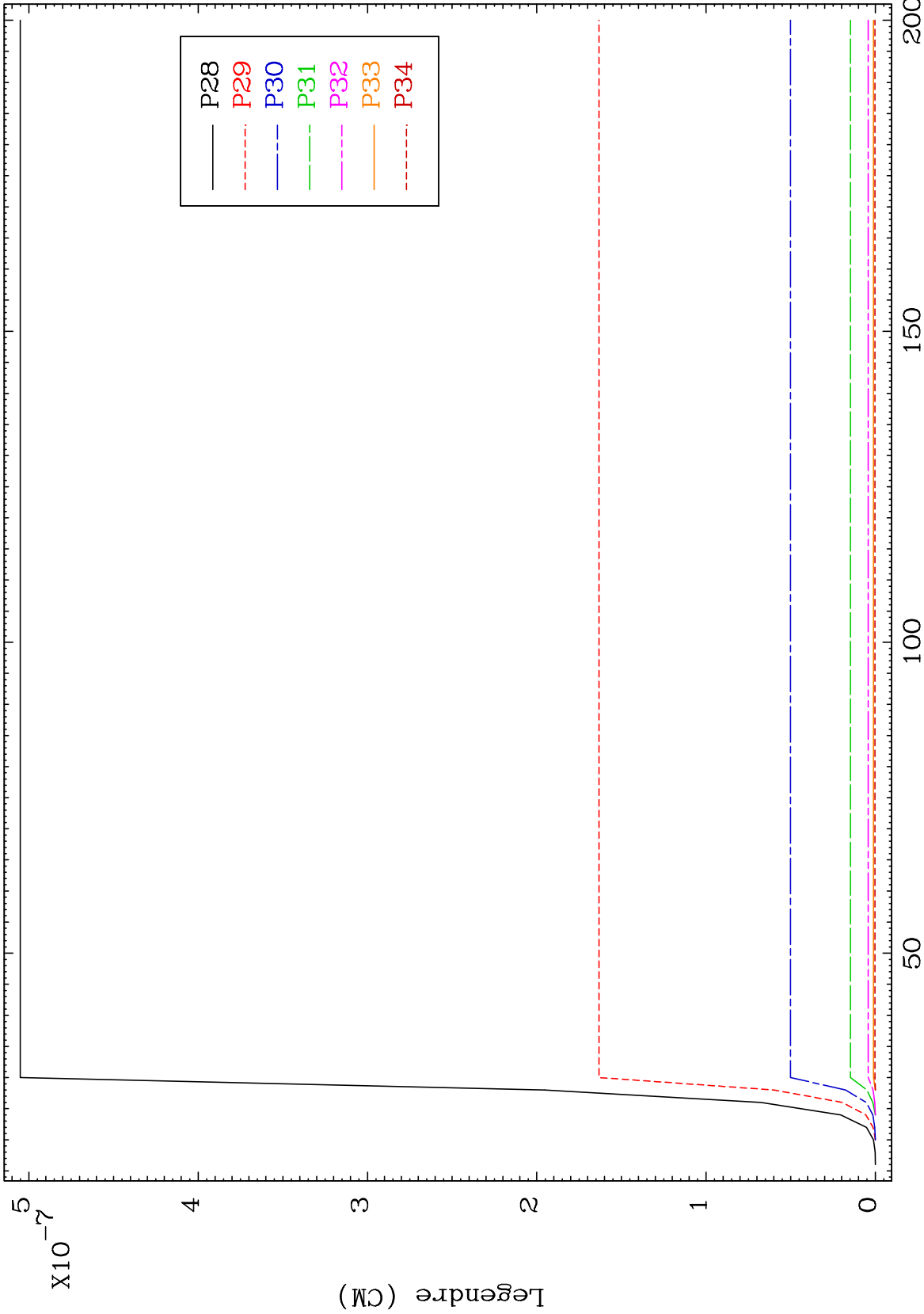
Incident Energy (MeV)

39-Y -81

MAT 3901

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

39-Y -81



37

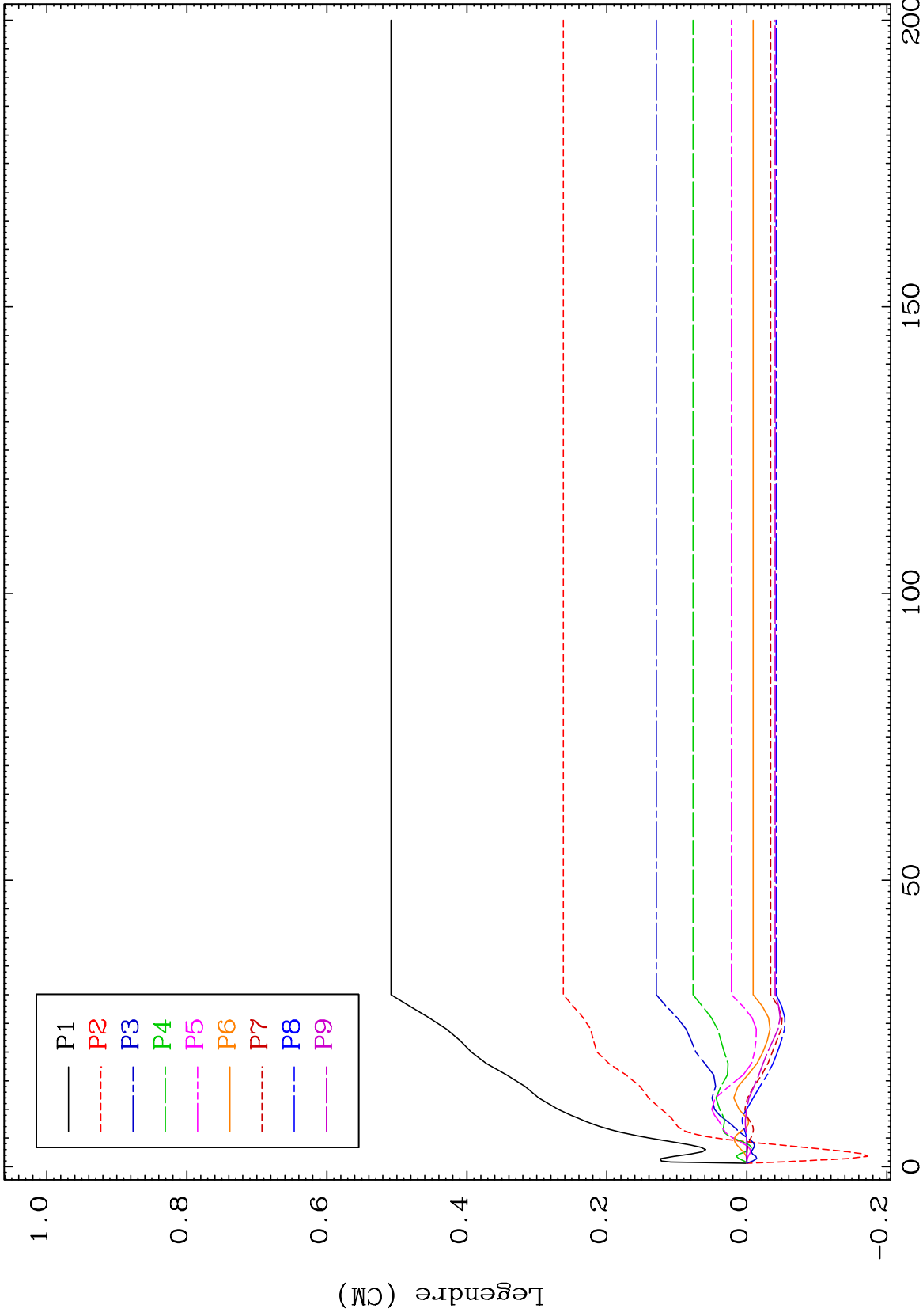
Incident Energy (MeV)

39-Y -81

MAT 3901

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

39-Y -81



38

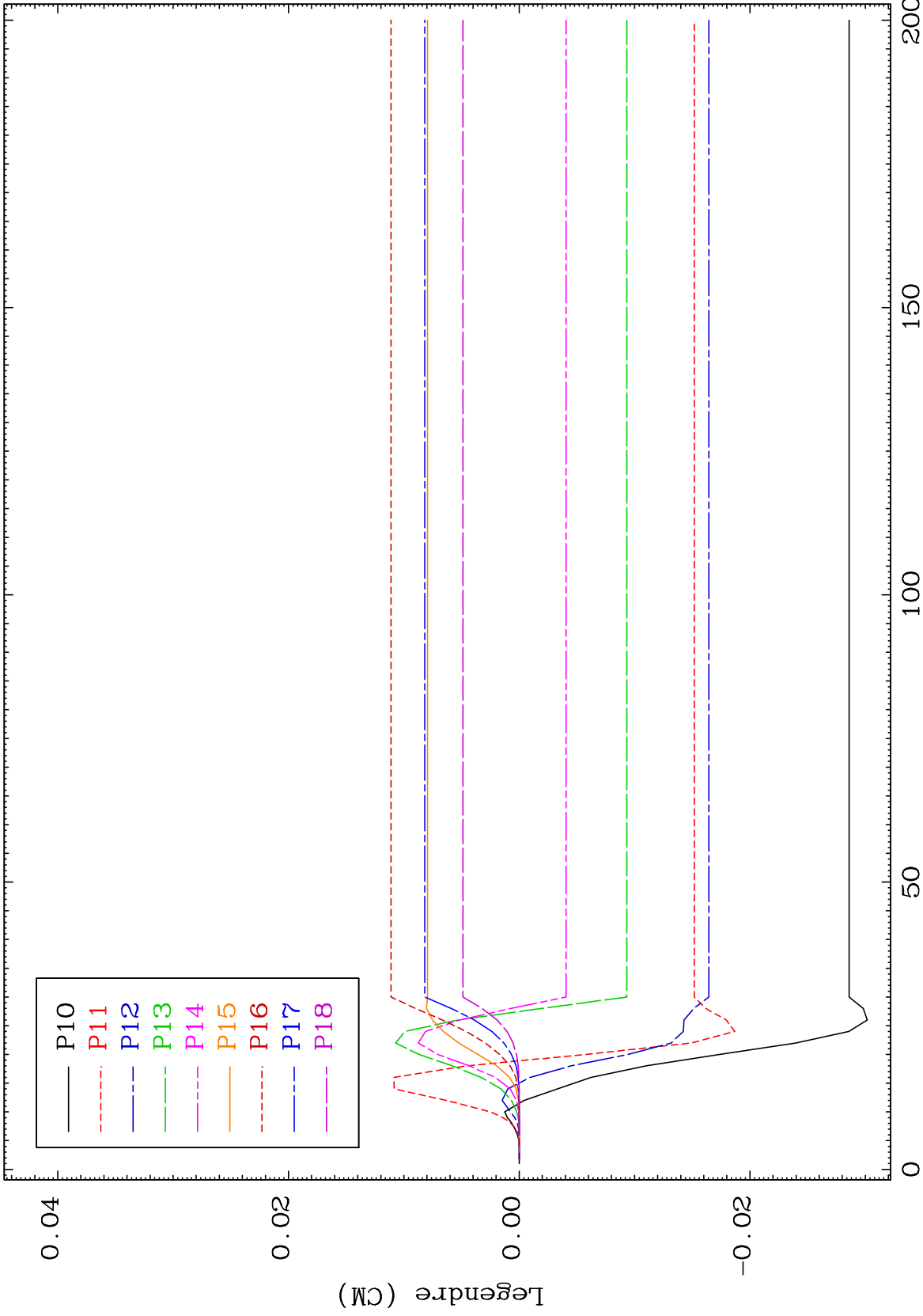
Incident Energy (MeV)

39-Y -81

MAT 3901

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

39-Y -81



39

Incident Energy (MeV)

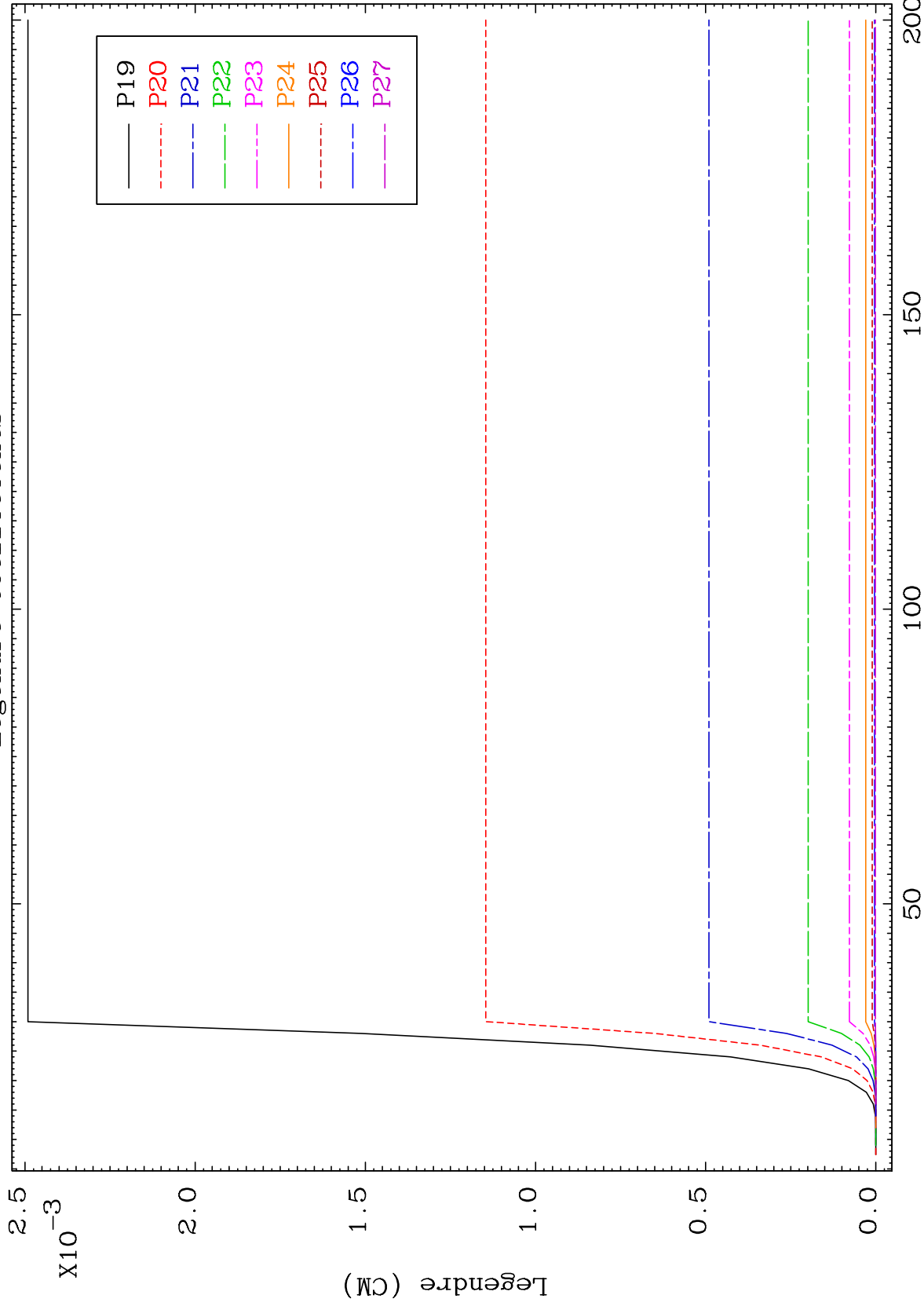
39-Y -81



MAT 3901

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

39-Y -81



40

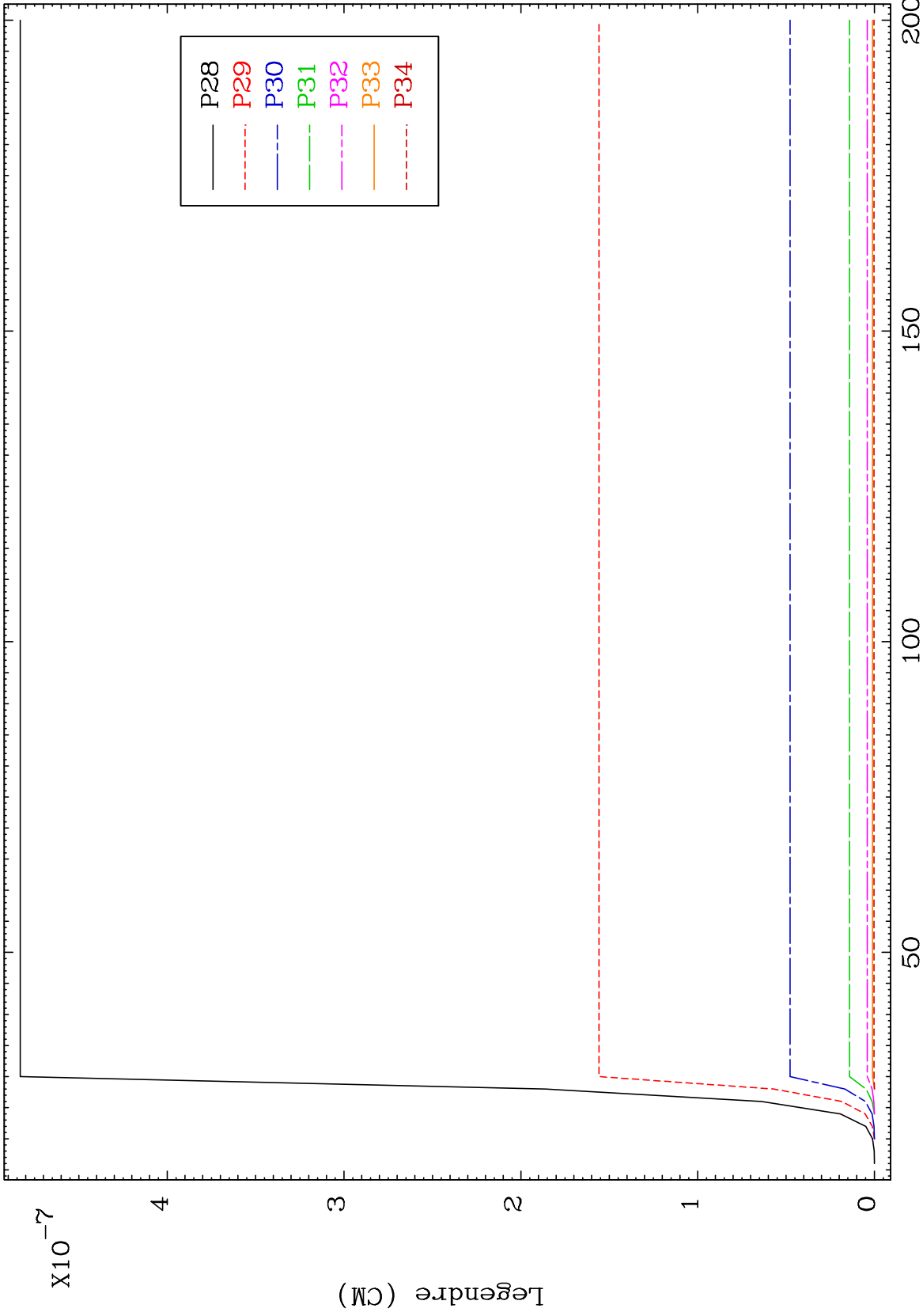
Incident Energy (MeV)

39-Y -81

MAT 3901

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

39-Y -81



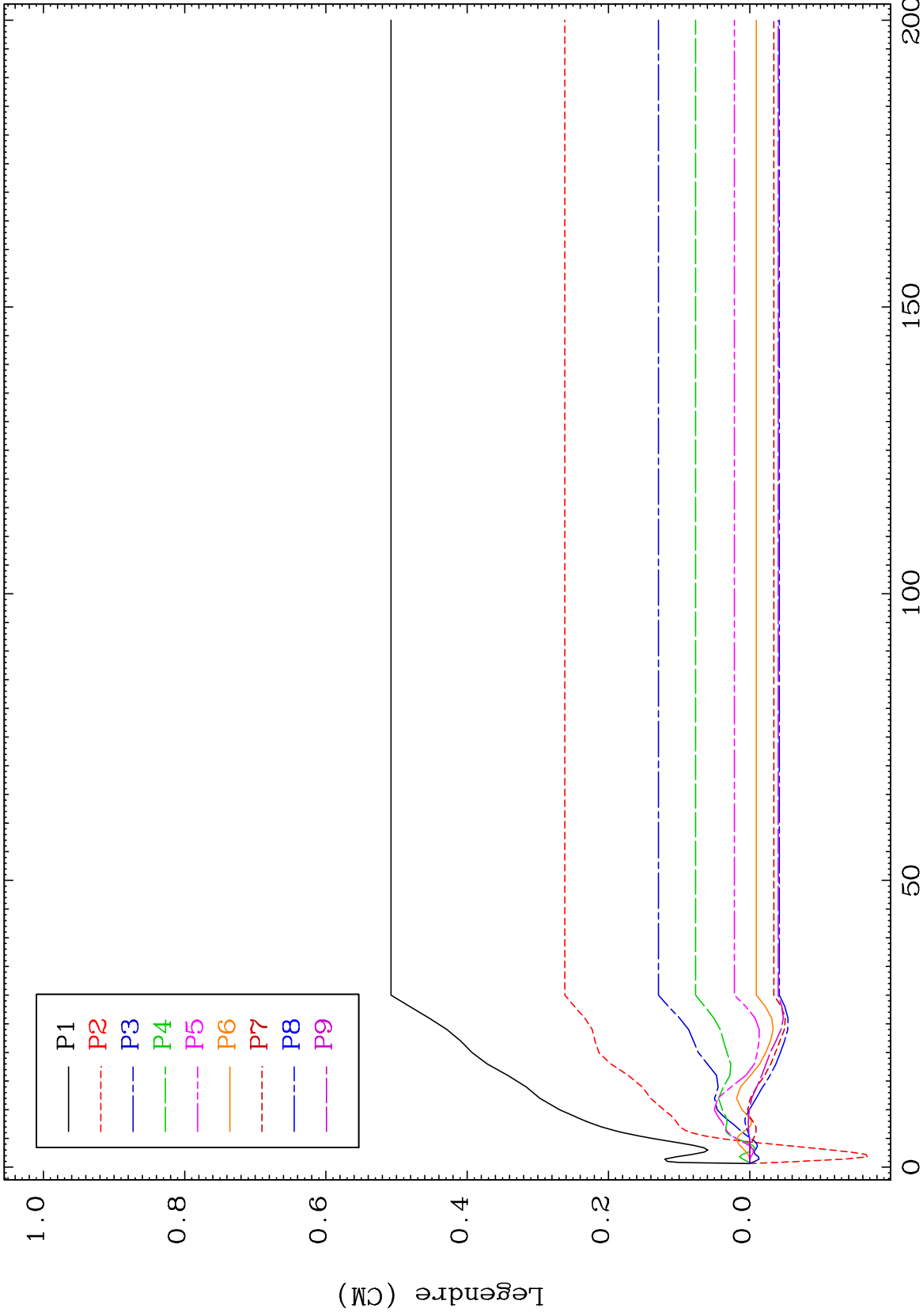
41

39-Y -81

MAT 3901

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

39-Y -81



42

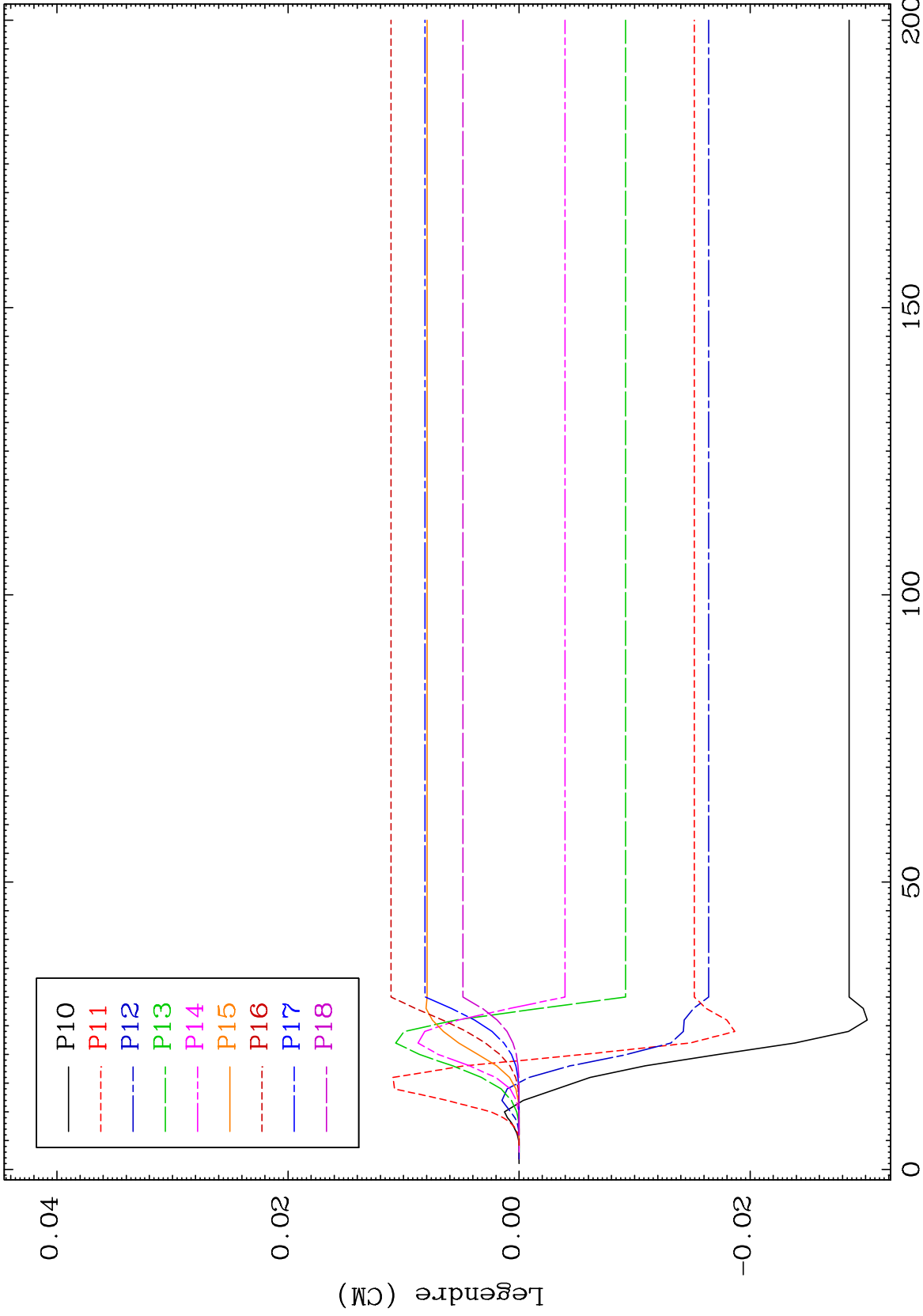
Incident Energy (MeV)

39-Y -81

MAT 3901

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

39-Y -81



43

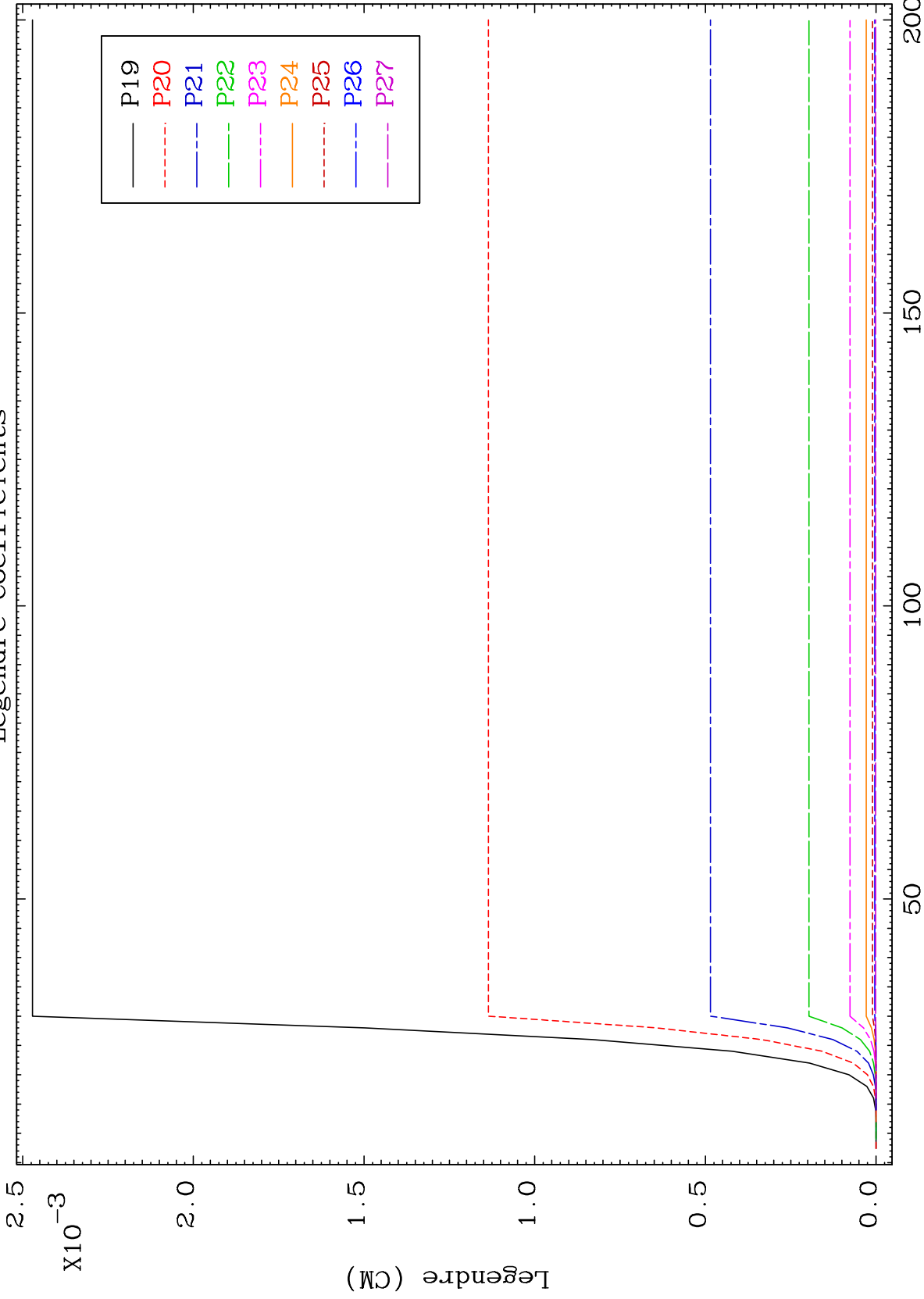
Incident Energy (MeV)

39-Y -81

MAT 3901

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

39-Y -81



44

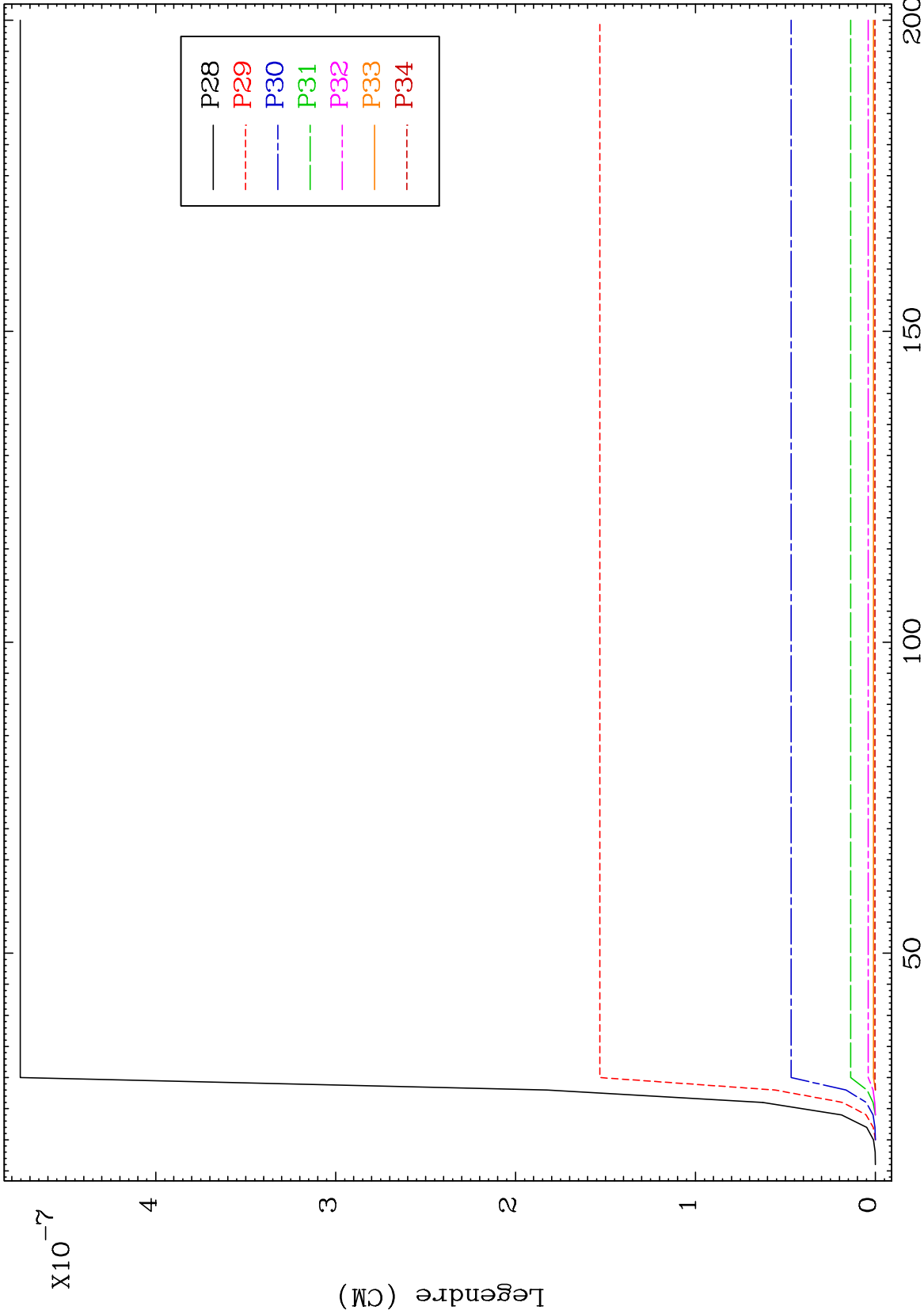
Incident Energy (MeV)

39-Y -81

MAT 3901

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

39-Y -81



45

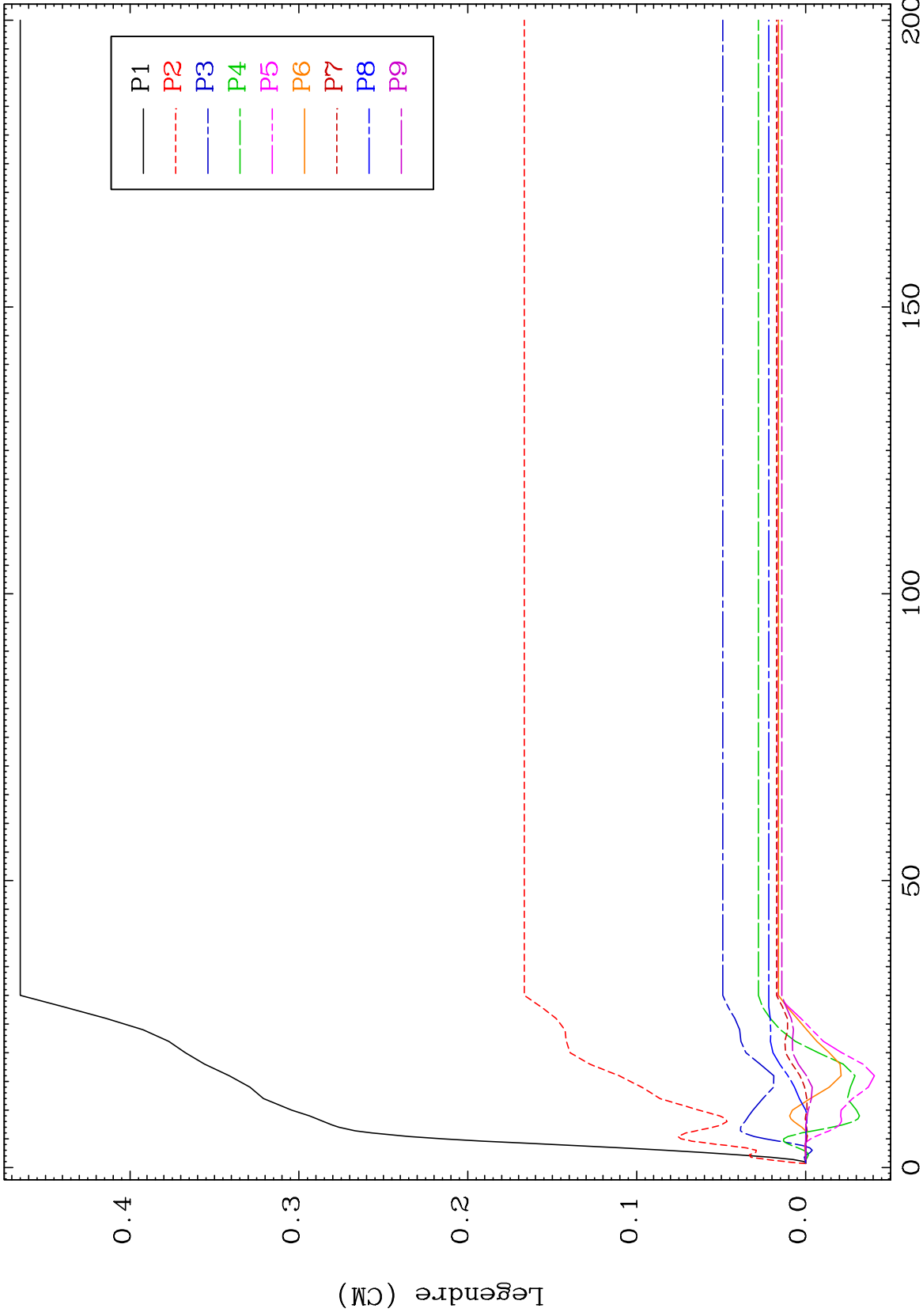
Incident Energy (MeV)

39-Y -81

MAT 3901

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

39-Y -81



46

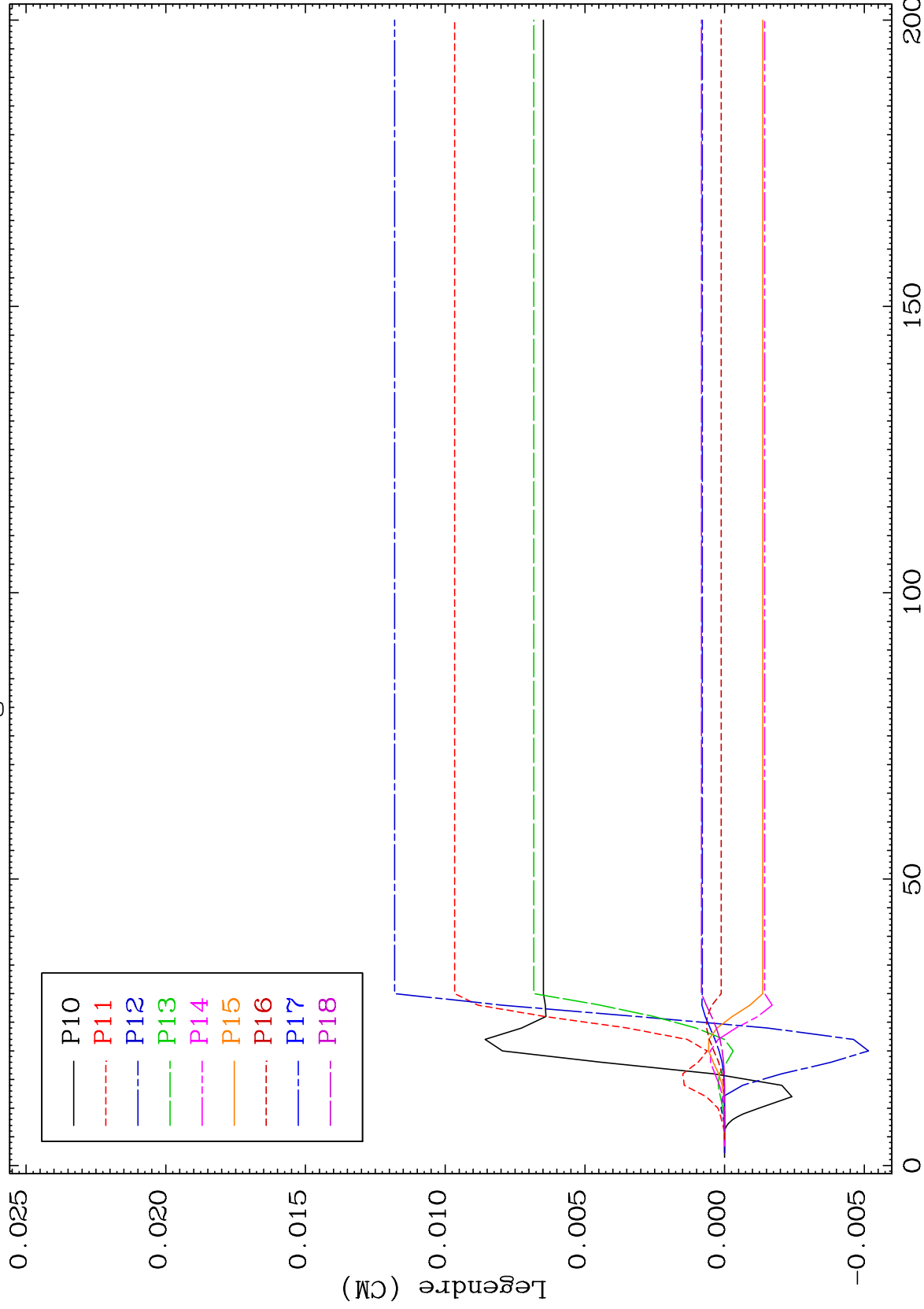
Incident Energy (MeV)

39-Y -81

MAT 3901

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

39-Y -81



47

Incident Energy (MeV)

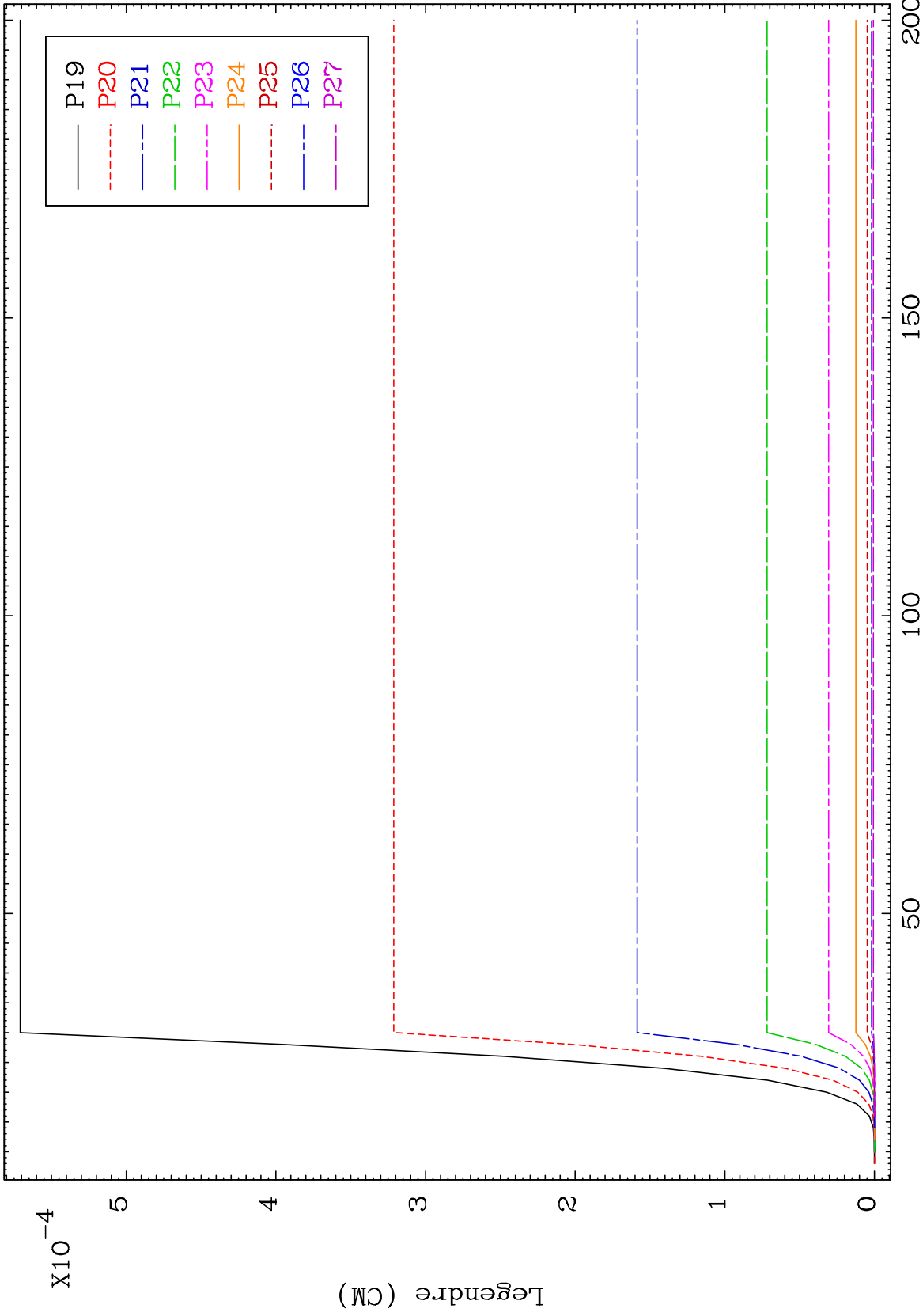
39-Y -81



MAT 3901

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

39-Y -81



48

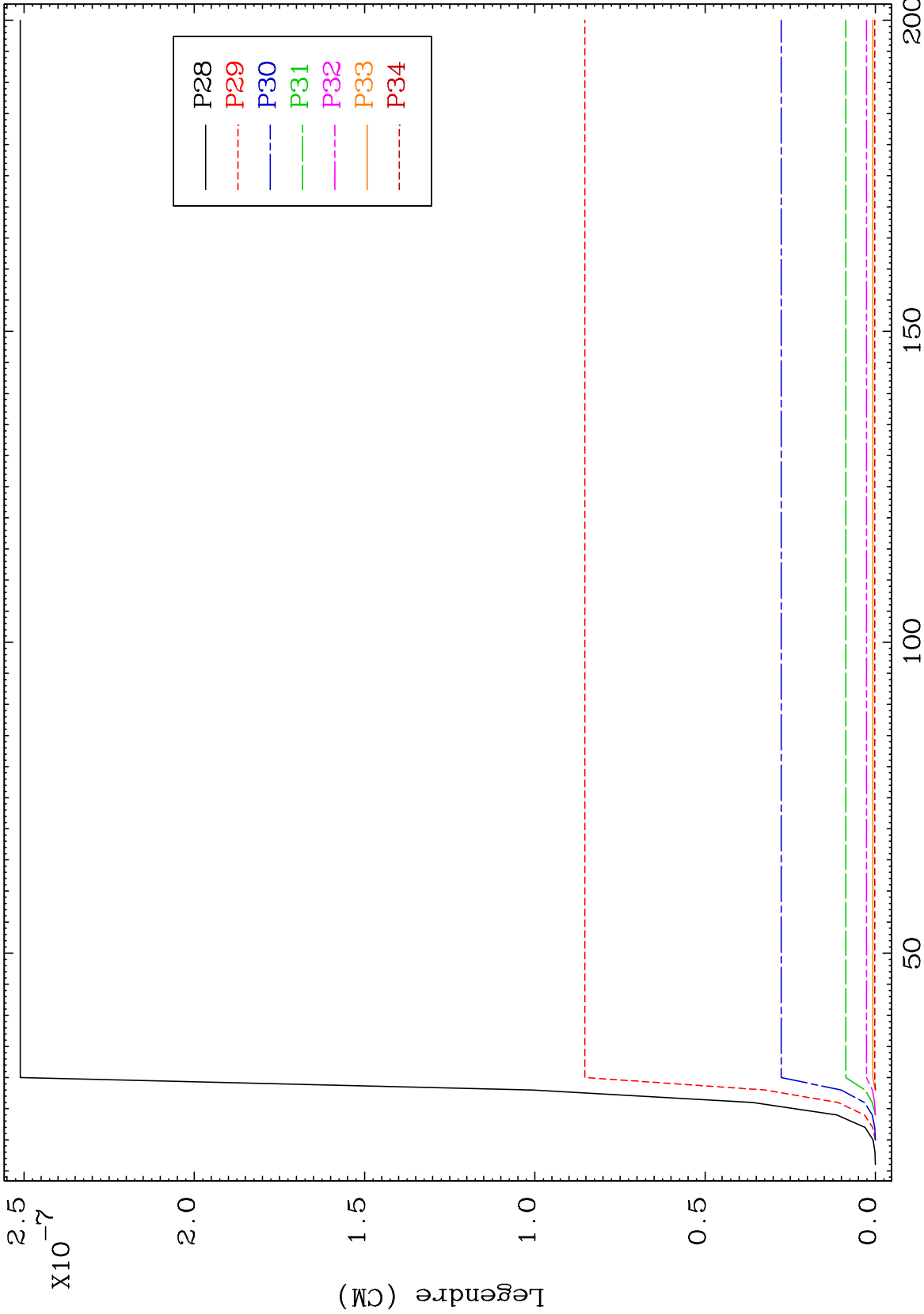
Incident Energy (MeV)

39-Y -81

MAT 3901

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

39-Y -81

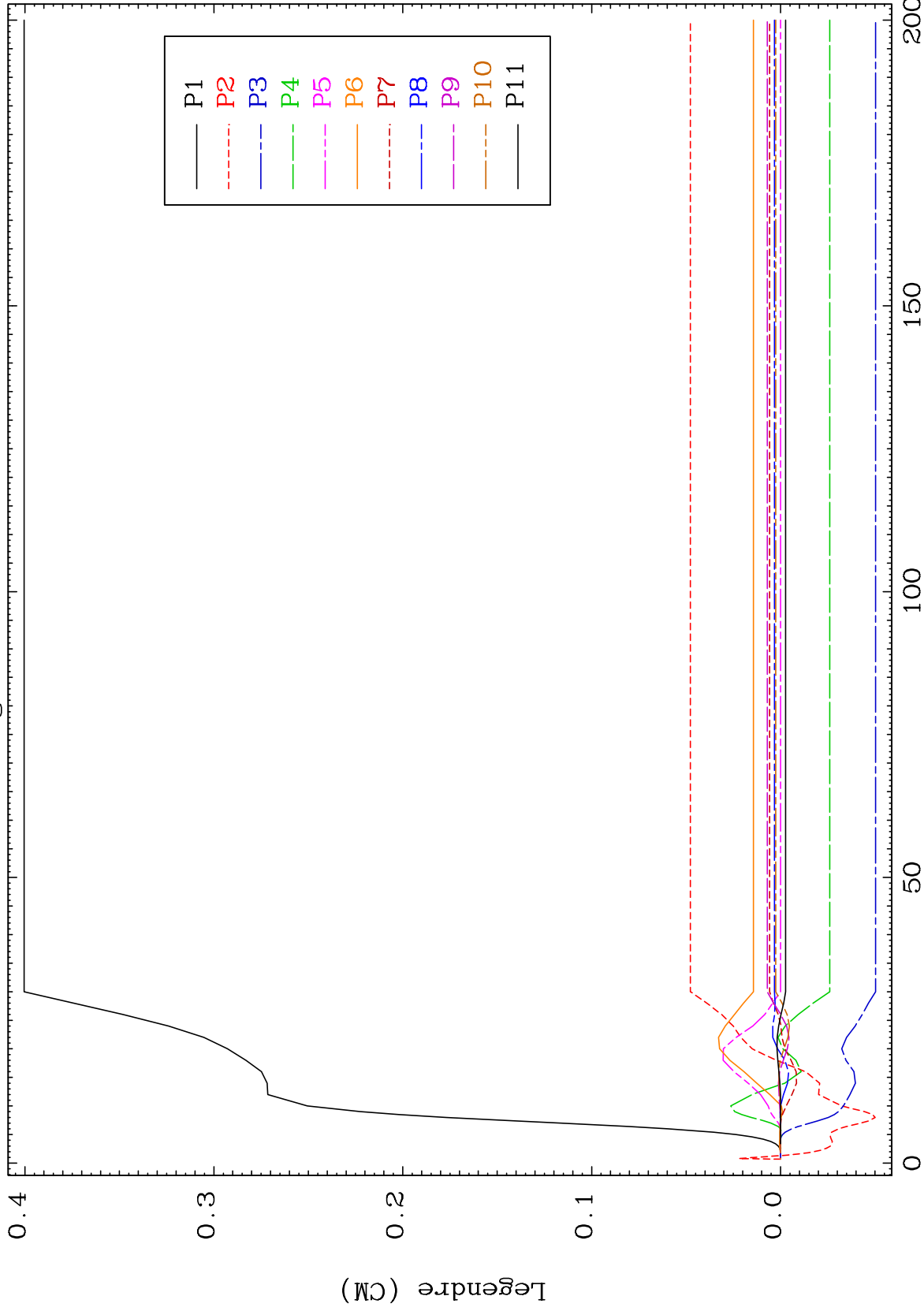


49

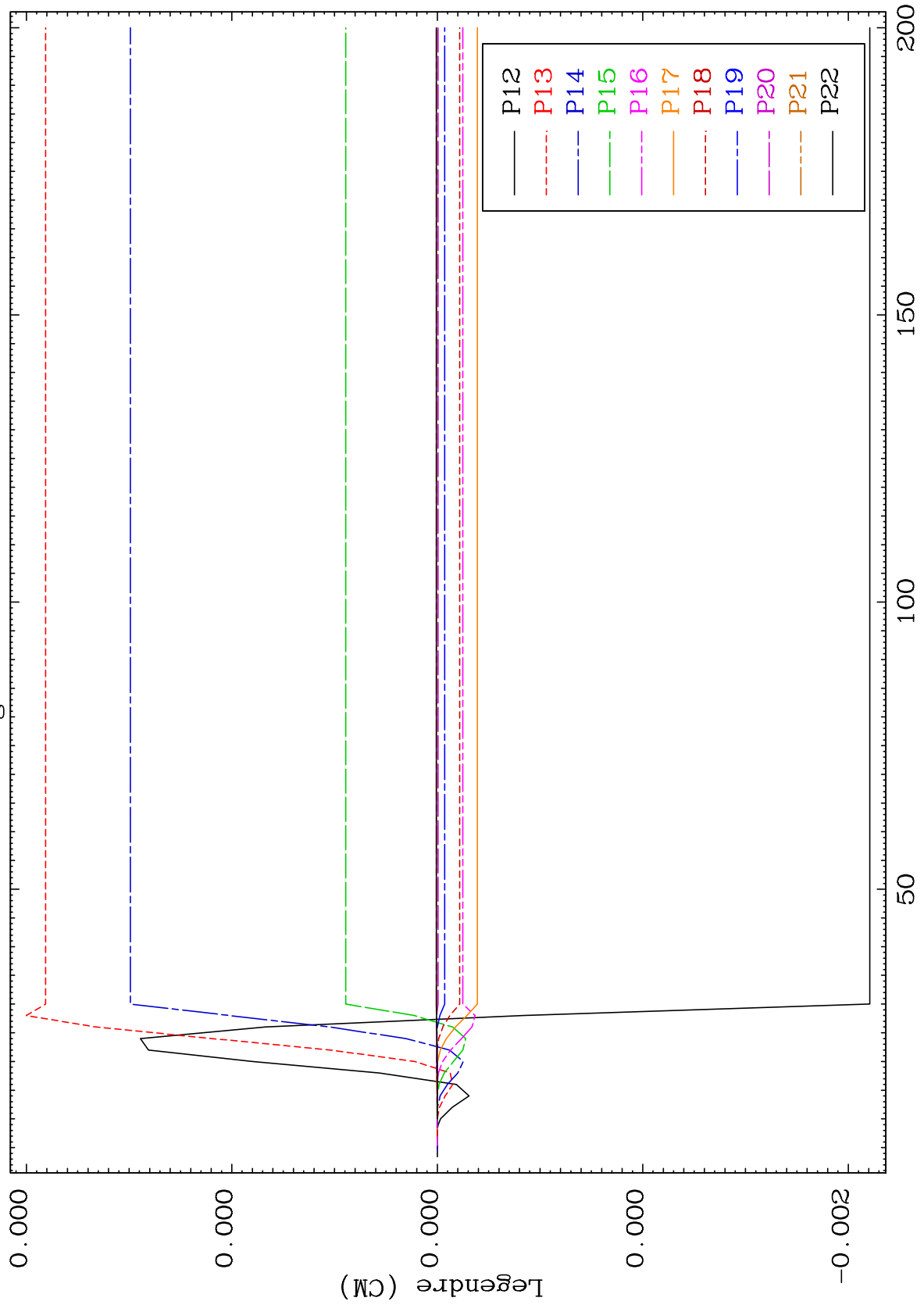
Incident Energy (MeV)

39-Y -81

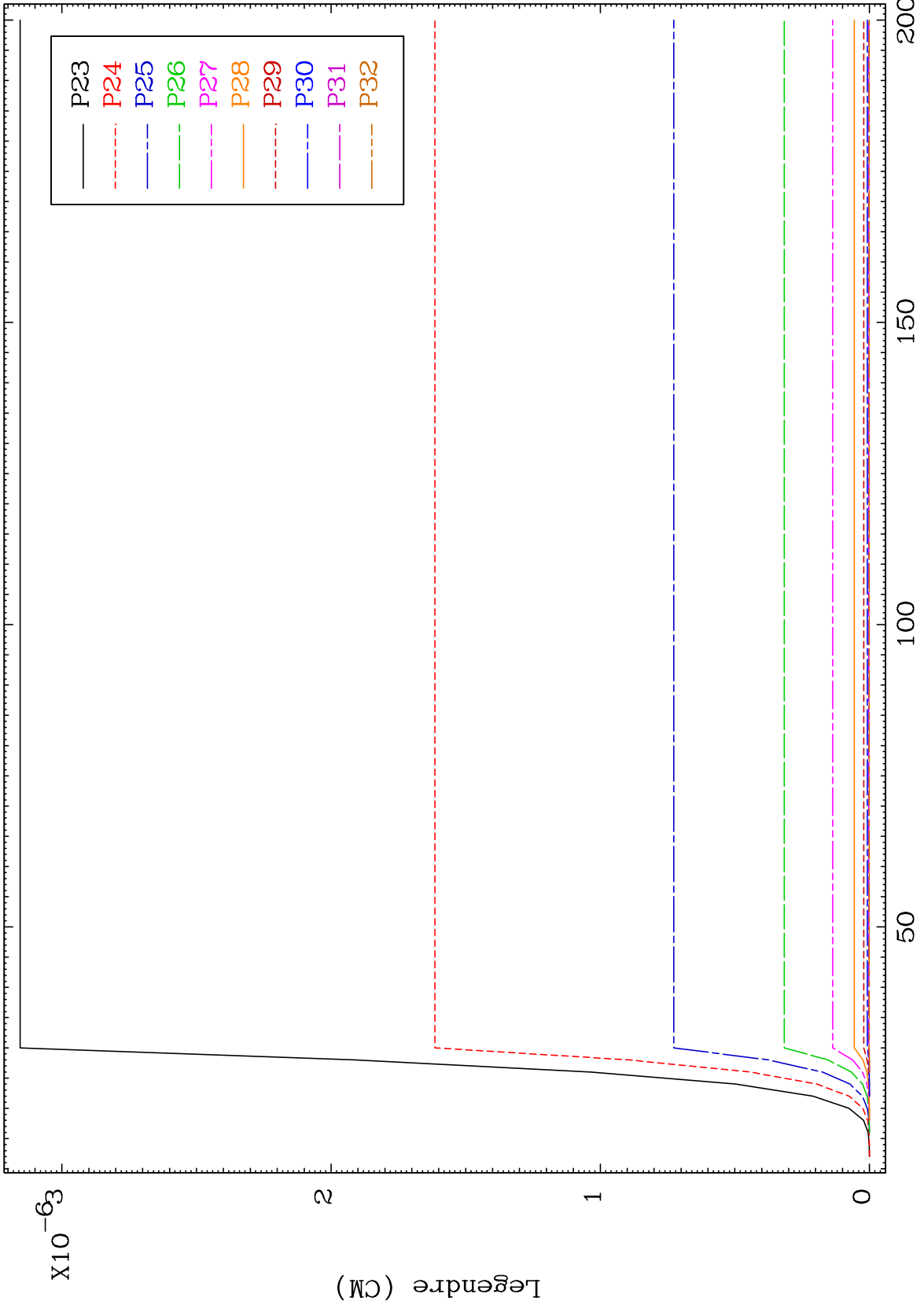
MAT 3901 MT= 59 (n,n') Level Legendre Coefficients 39-Y -81



39-Y -81



MAT 3901 MT= 59 (n,n') Level Legendre Coefficients 39-Y -81



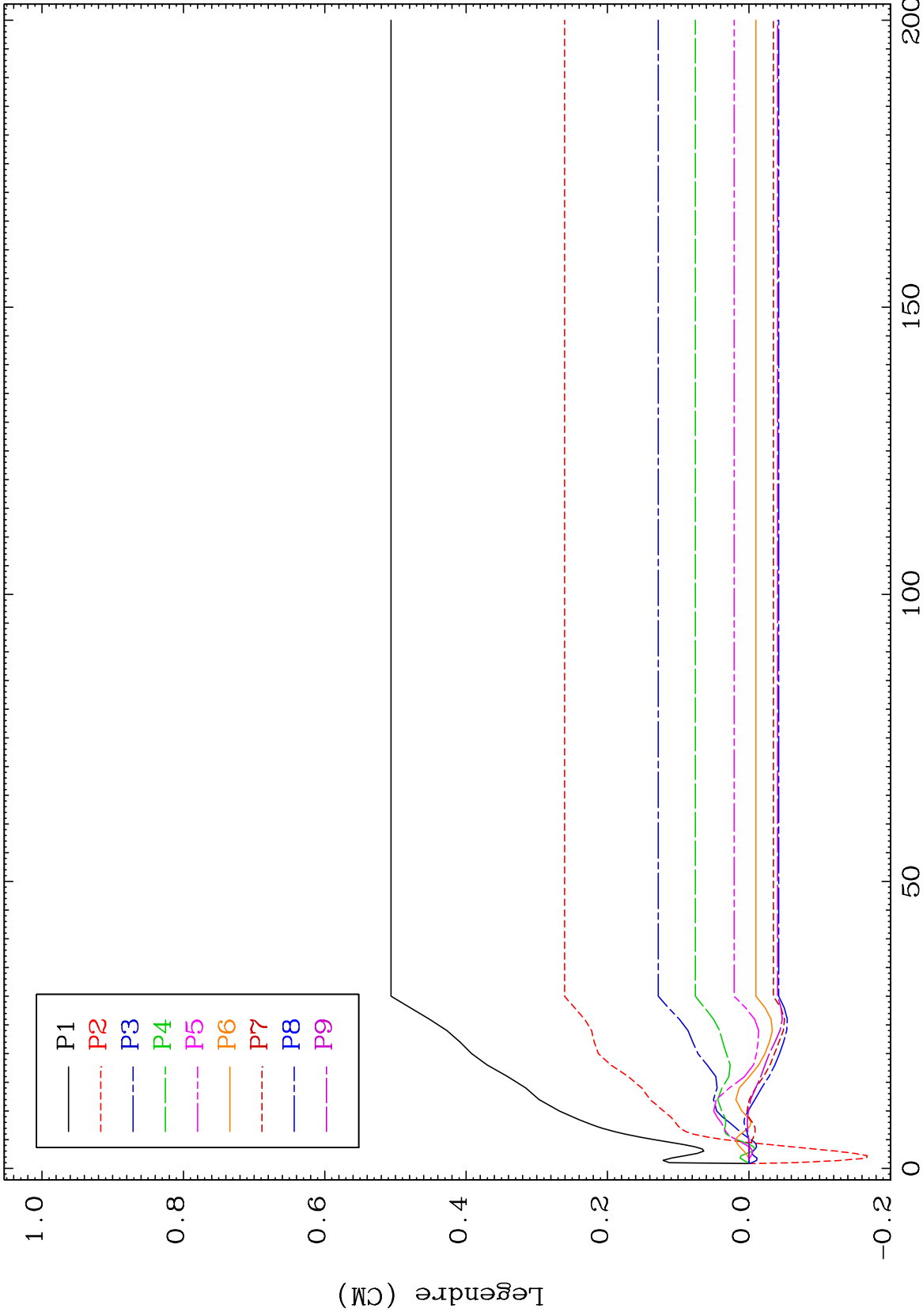
Incident Energy (MeV) 39-Y -81

52

MAT 3901

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

39-Y -81



53

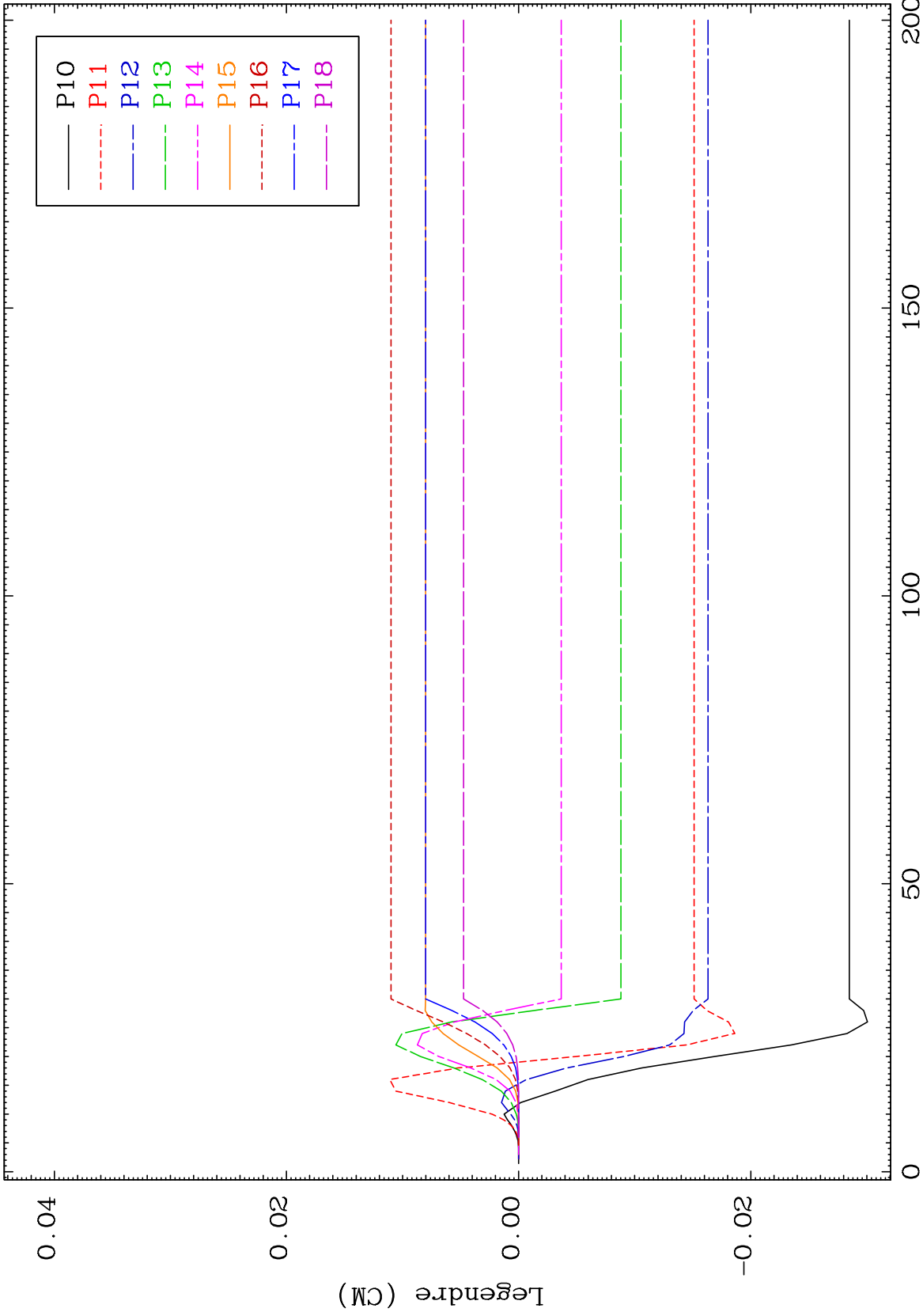
Incident Energy (MeV)

39-Y -81

MAT 3901

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

39-Y -81



54

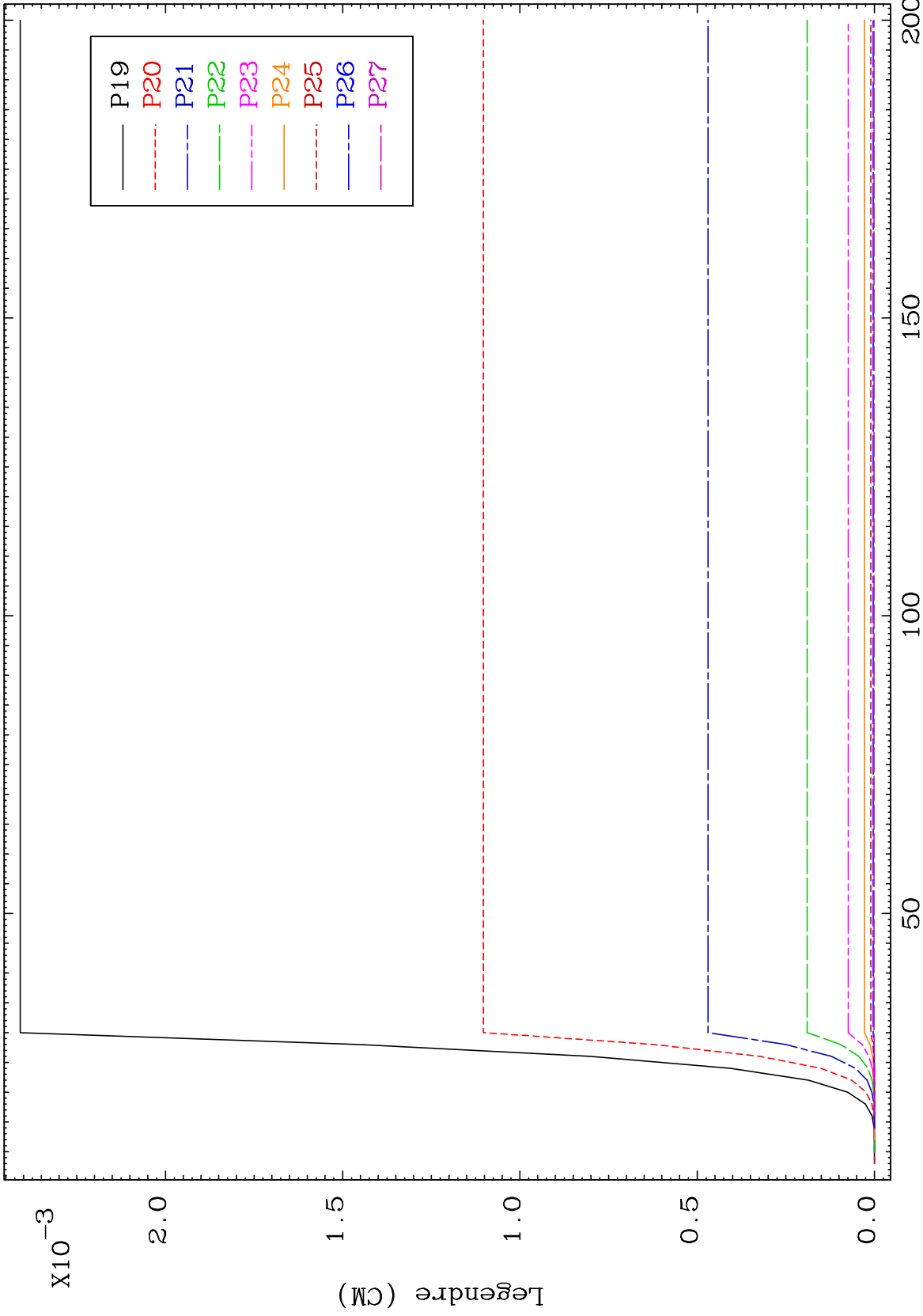
Incident Energy (MeV)

39-Y -81

MAT 3901

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

39-Y -81



55

Incident Energy (MeV)

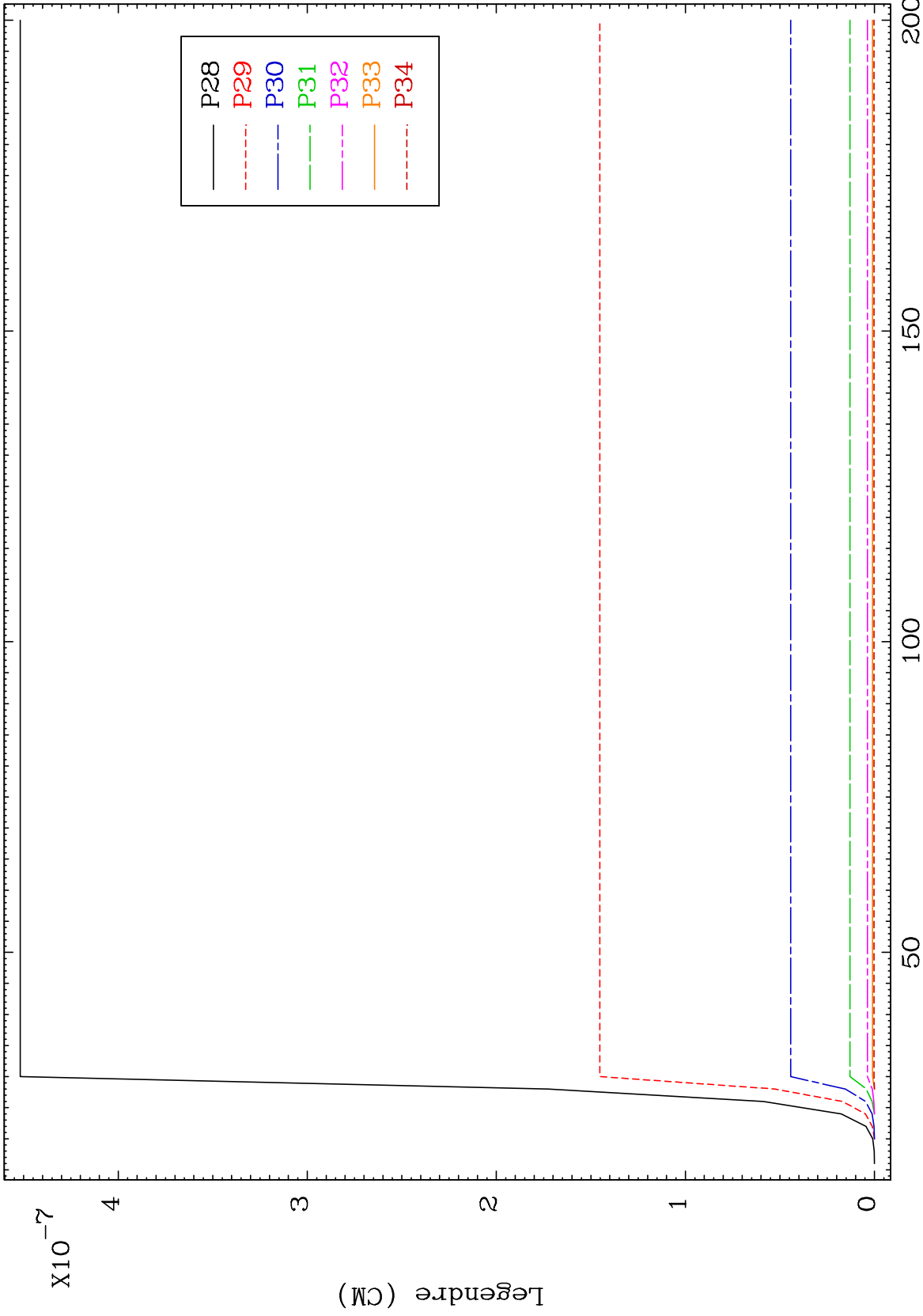
39-Y -81



MAT 3901

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

39-Y -81



56

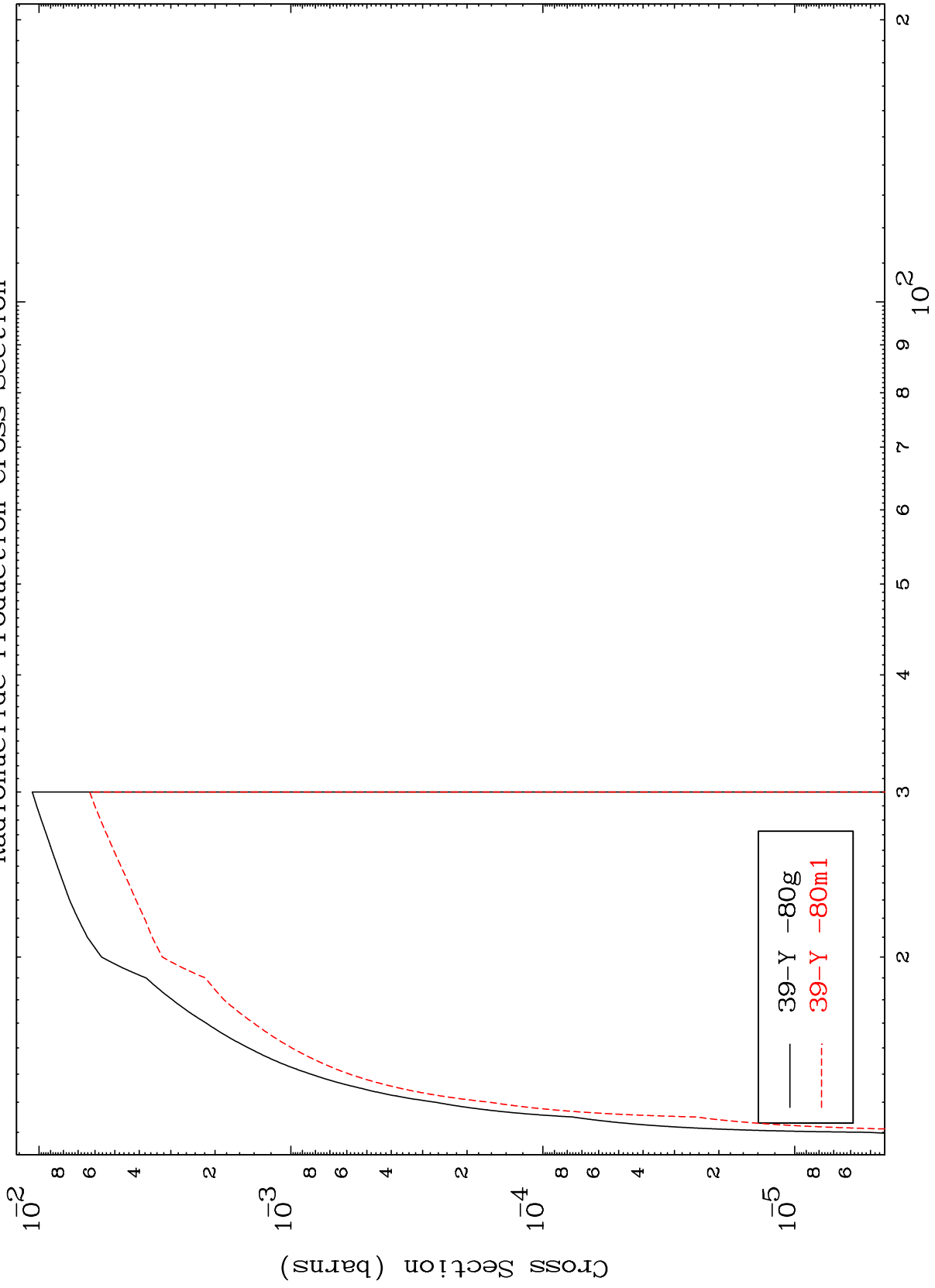
Incident Energy (MeV)

39-Y -81

MAT 3901

39-Y -81

Radionuclide Production Cross Section  
(n,2n)



57

Incident Energy (MeV)

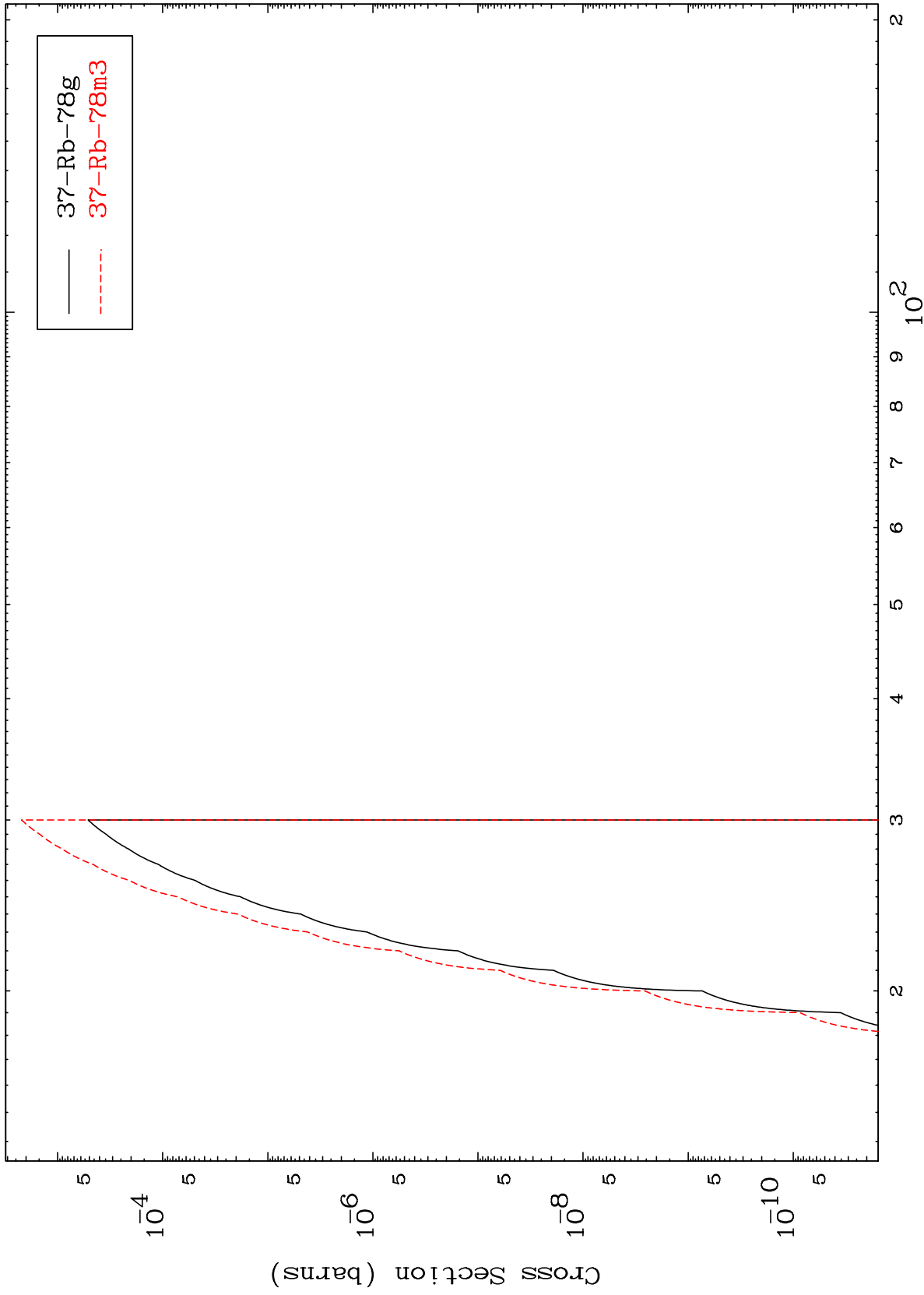
39-Y -81

MAT 3901

(n, n') He-3

39-Y -81

Radionuclide Production Cross Section



58

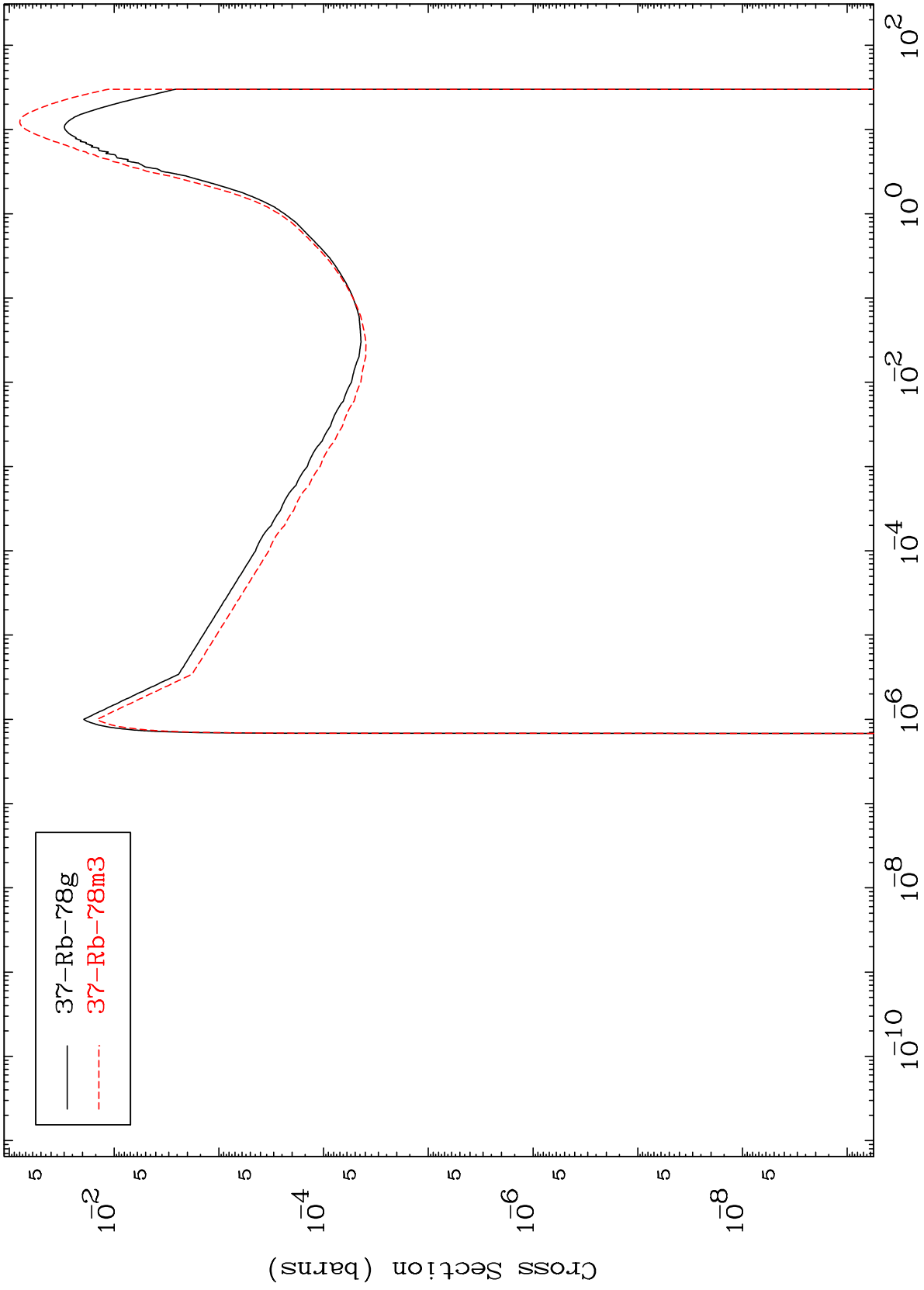
Incident Energy (MeV)

39-Y -81

MAT 3901

39-Y -81

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



— 37-Rb-78g  
- - - 37-Rb-78m3

59

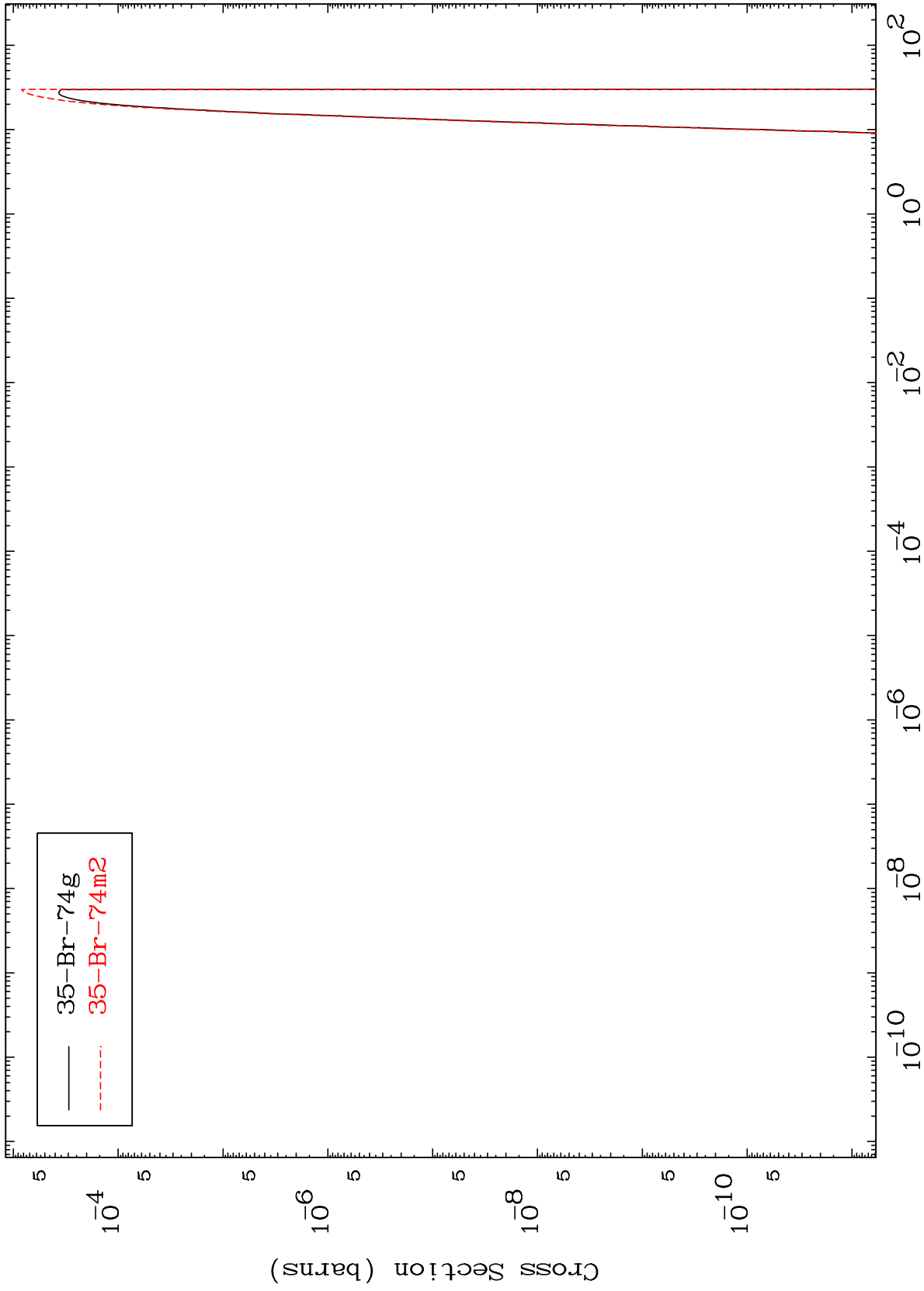
39-Y -81

MAT 3901

(n,2α)

39-Y -81

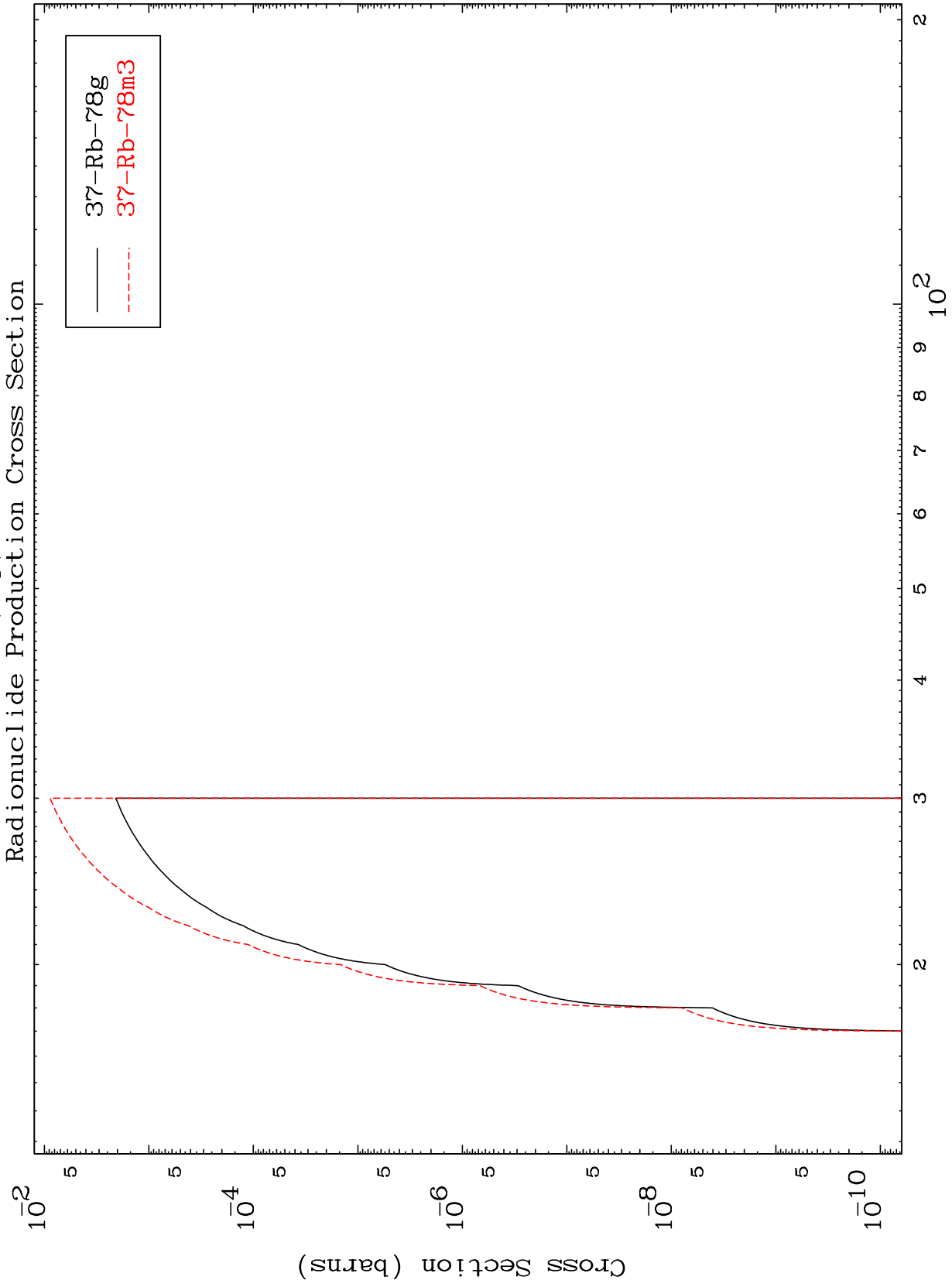
Radionuclide Production Cross Section



MAT 3901

(n,p) t

39-Y -81



61

Incident Energy (MeV)

39-Y -81