

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](mailto:redcullen1@comcast.net)

Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

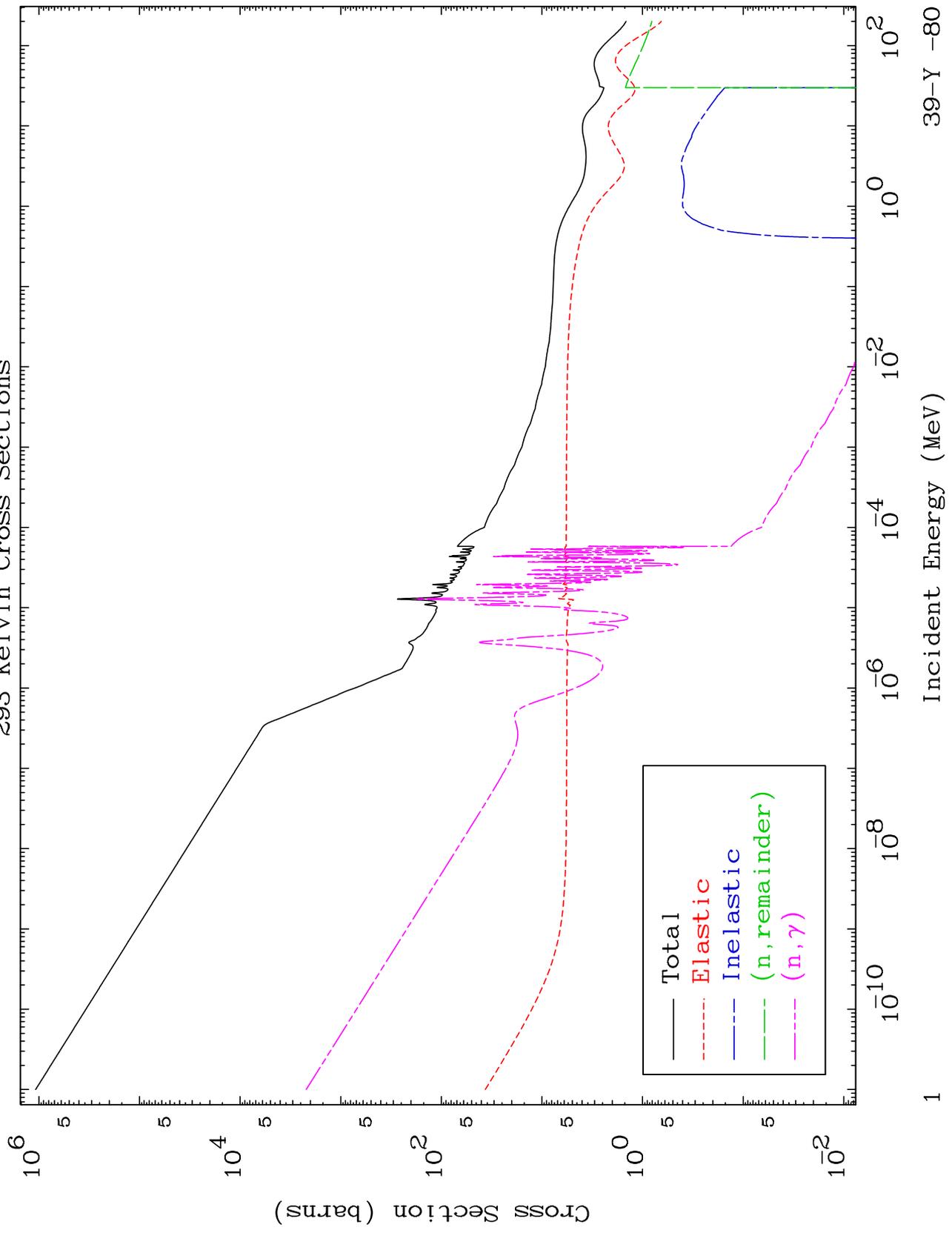
Press Mouse Button to Start

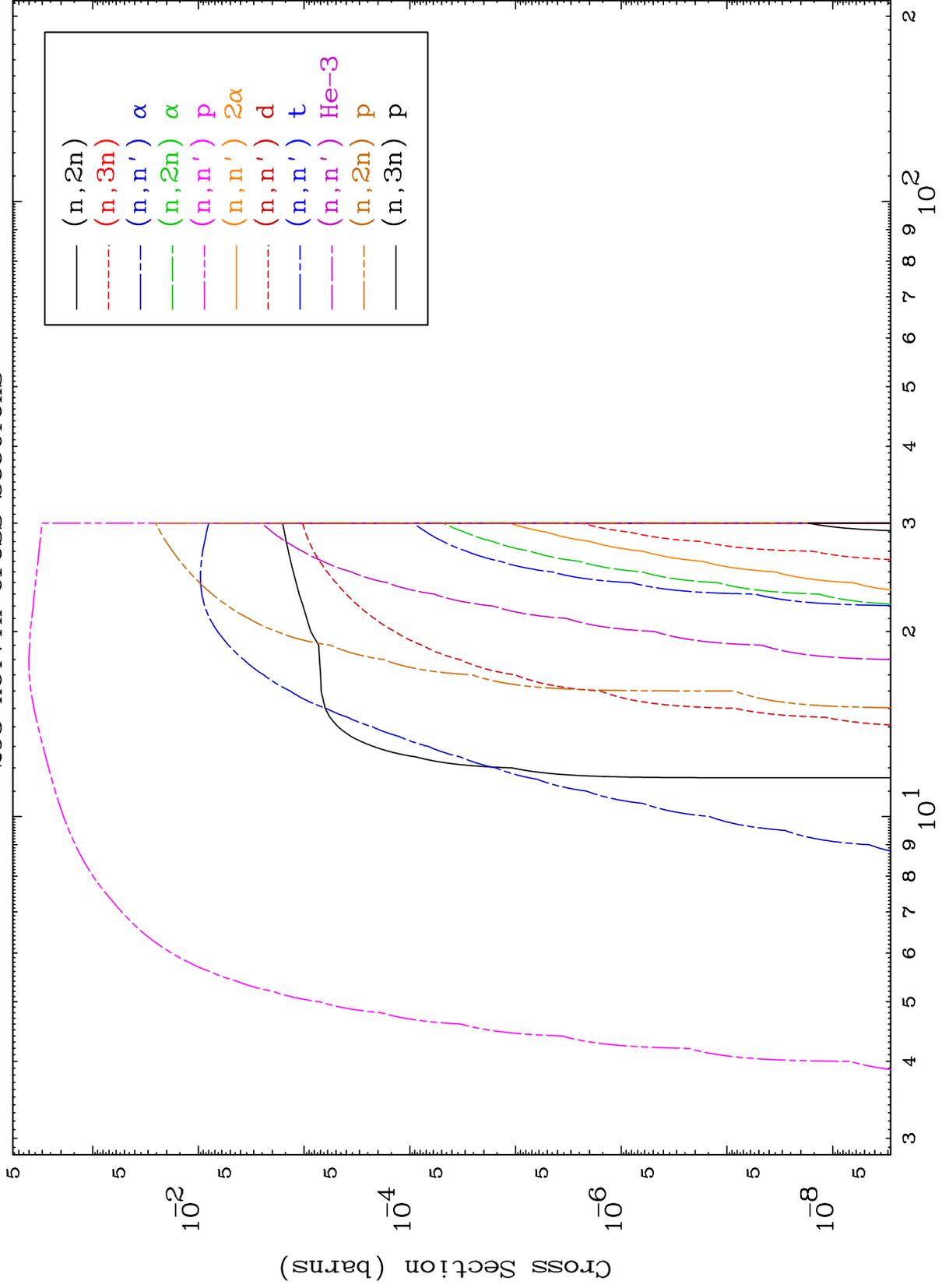
MAT 3898

Major

293 Kelvin Cross Sections

39-Y -80

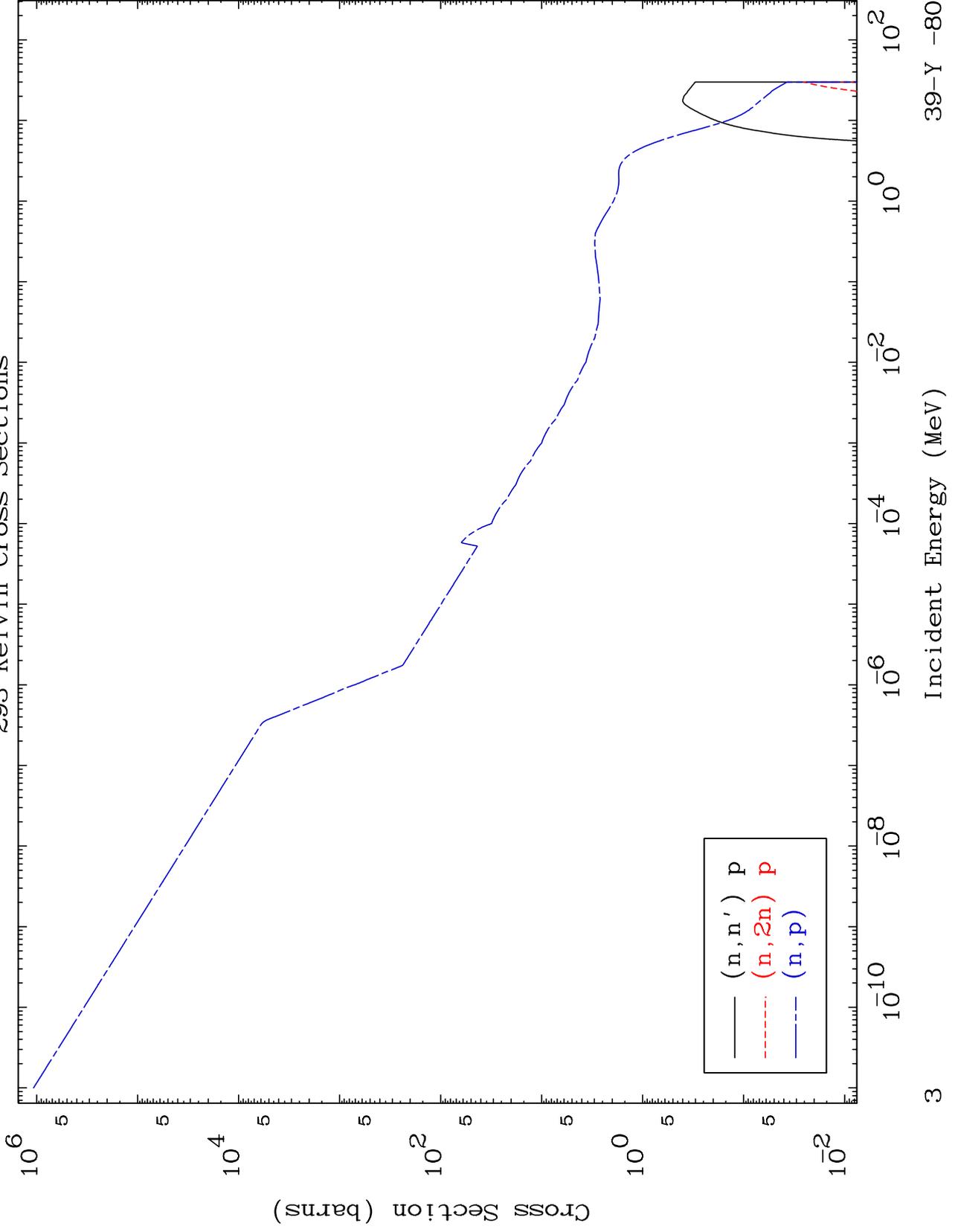




MAT 3898

Charged Particle  
293 Kelvin Cross Sections

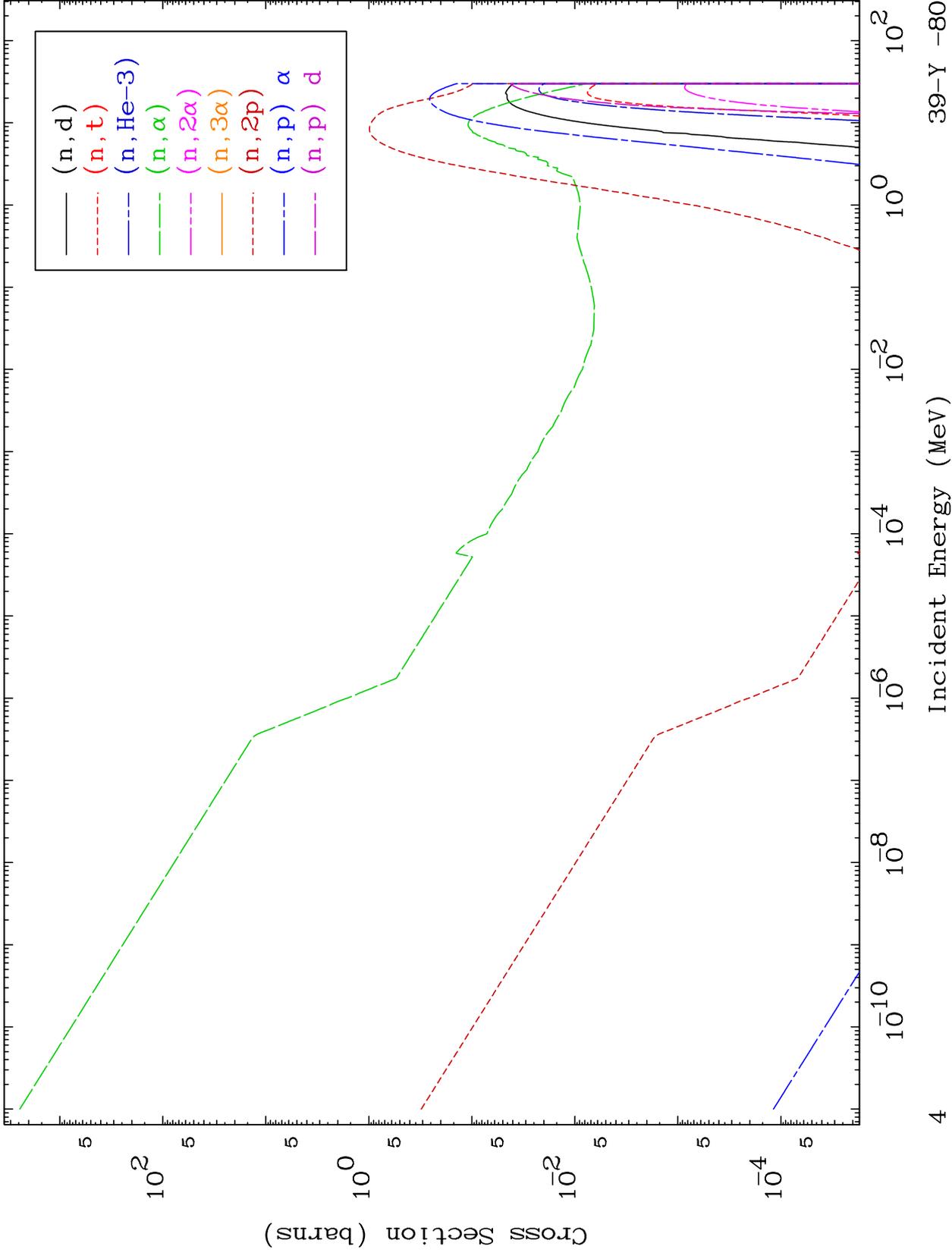
39-Y -80



MAT 3898

Charged Particle  
293 Kelvin Cross Sections

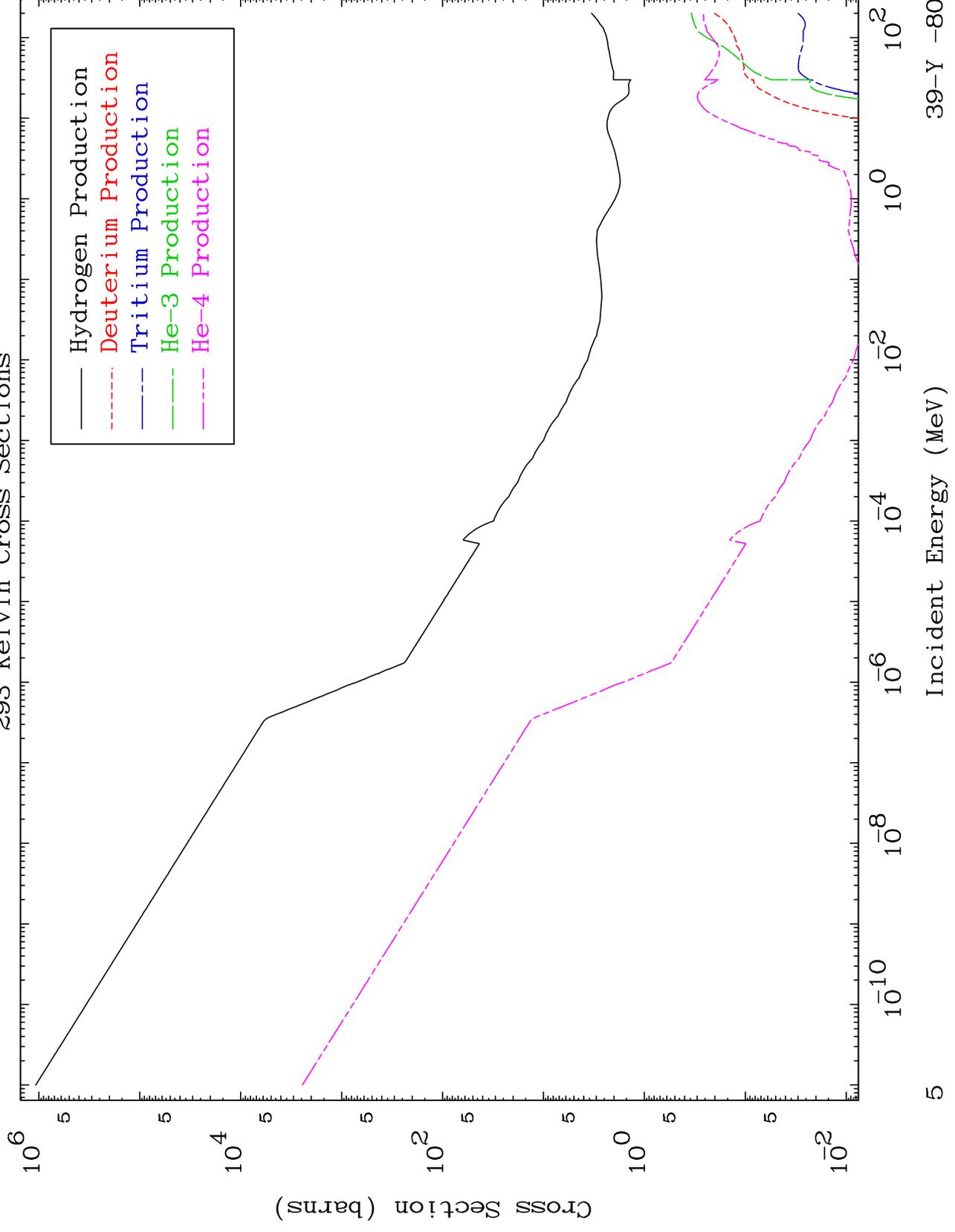
39-Y -80



MAT 3898

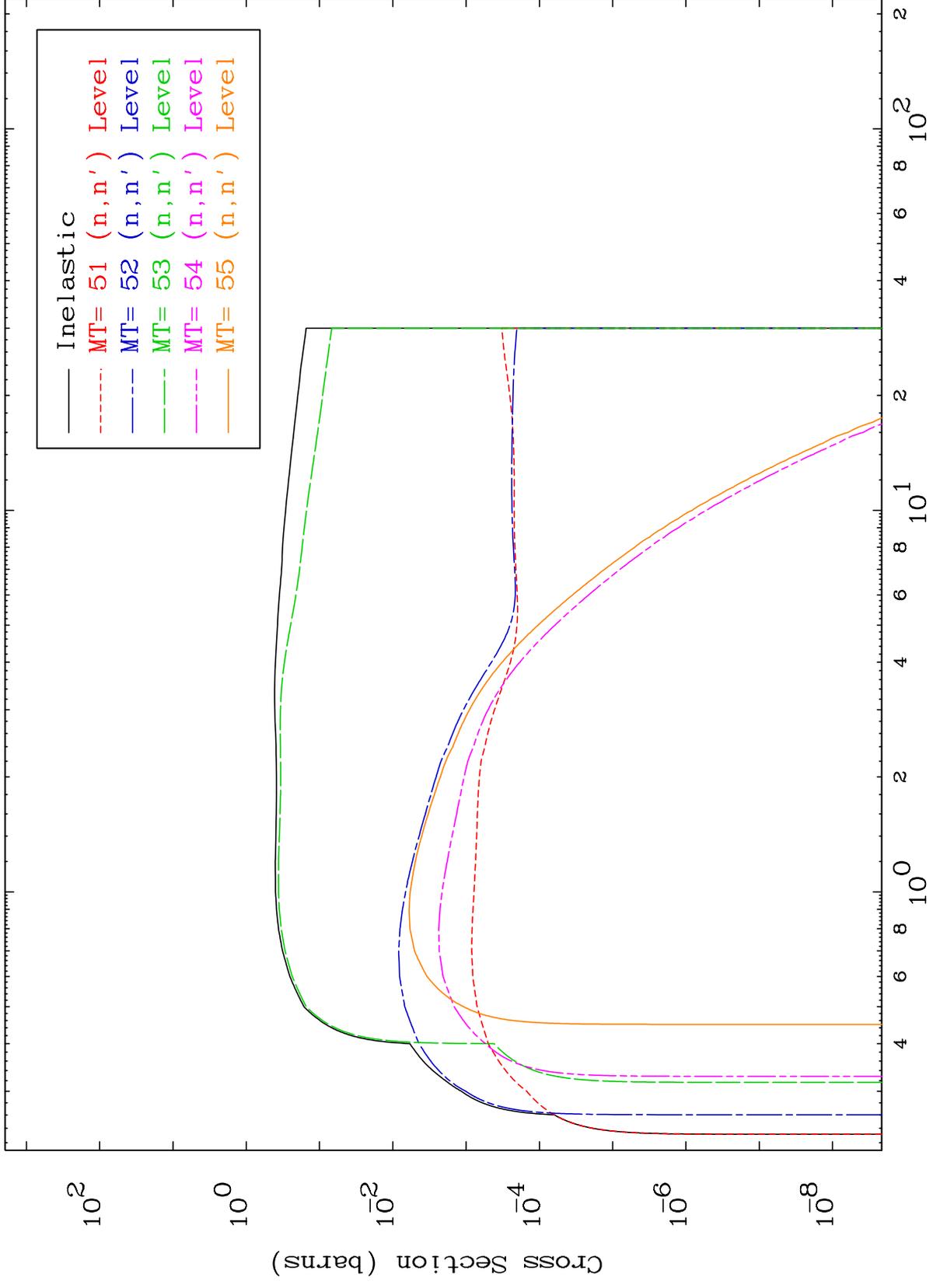
Particle Production  
293 Kelvin Cross Sections

39-Y -80

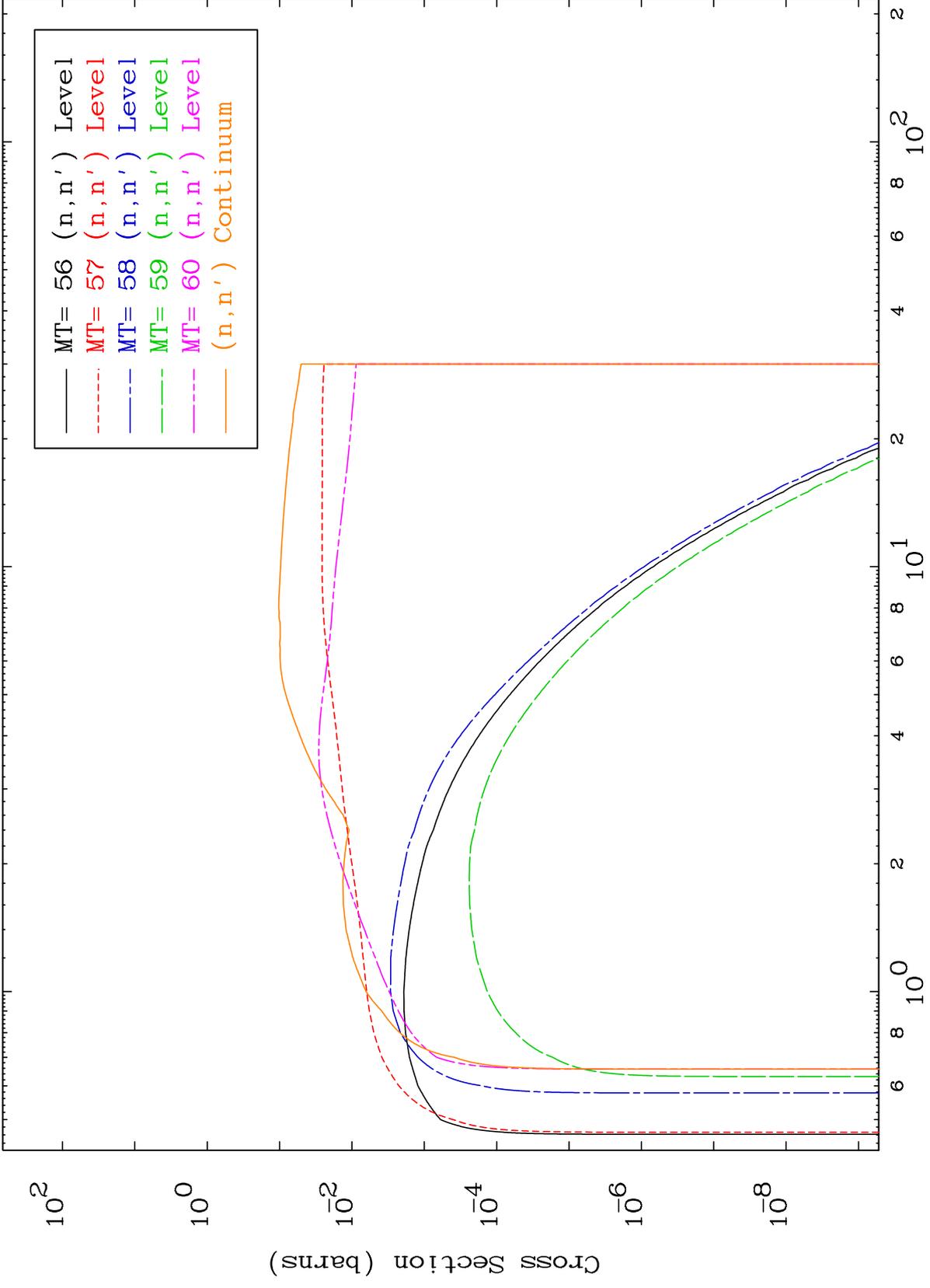


5

293 Kelvin Cross Sections



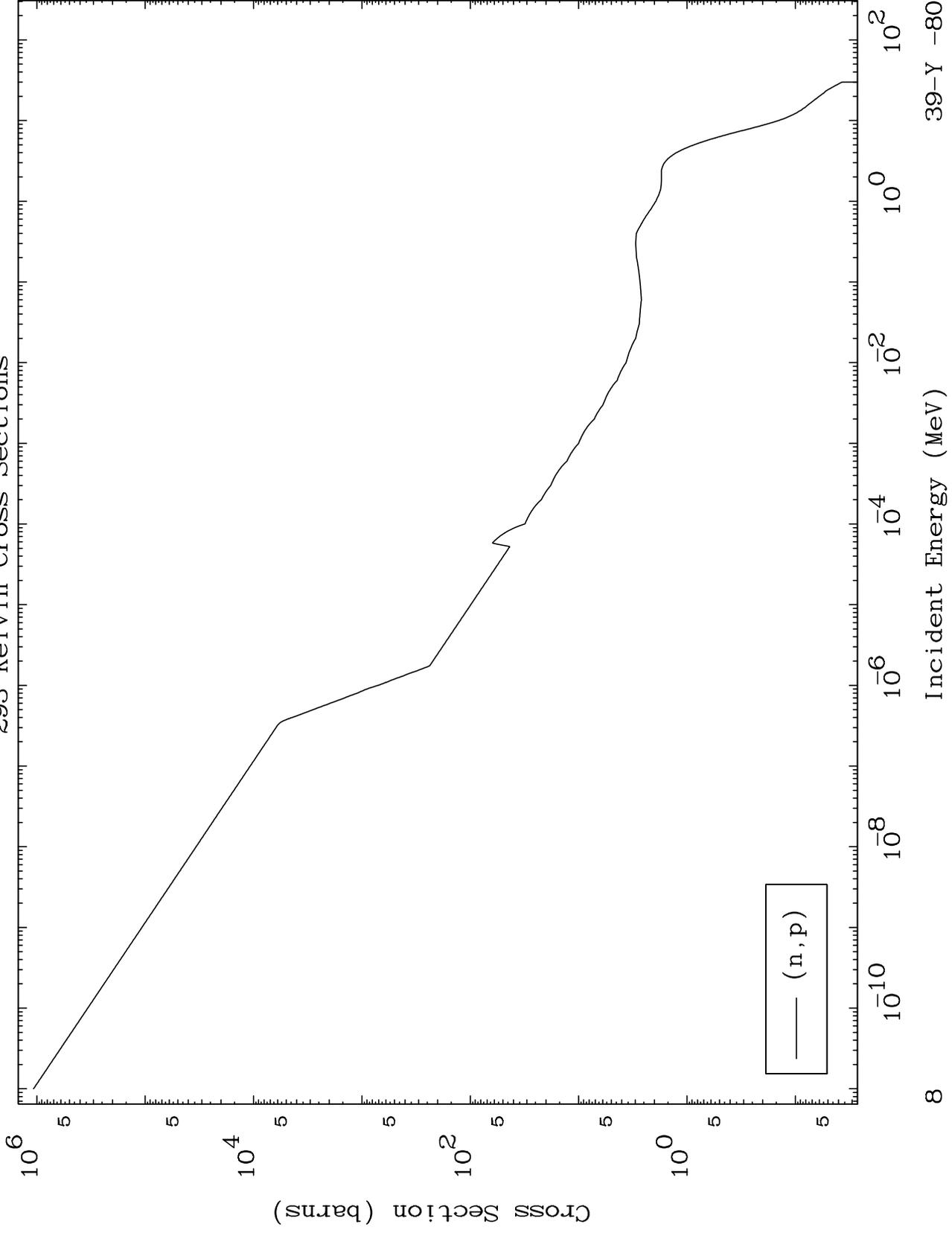
293 Kelvin Cross Sections



MAT 3898

(n,p) Levels  
293 Kelvin Cross Sections

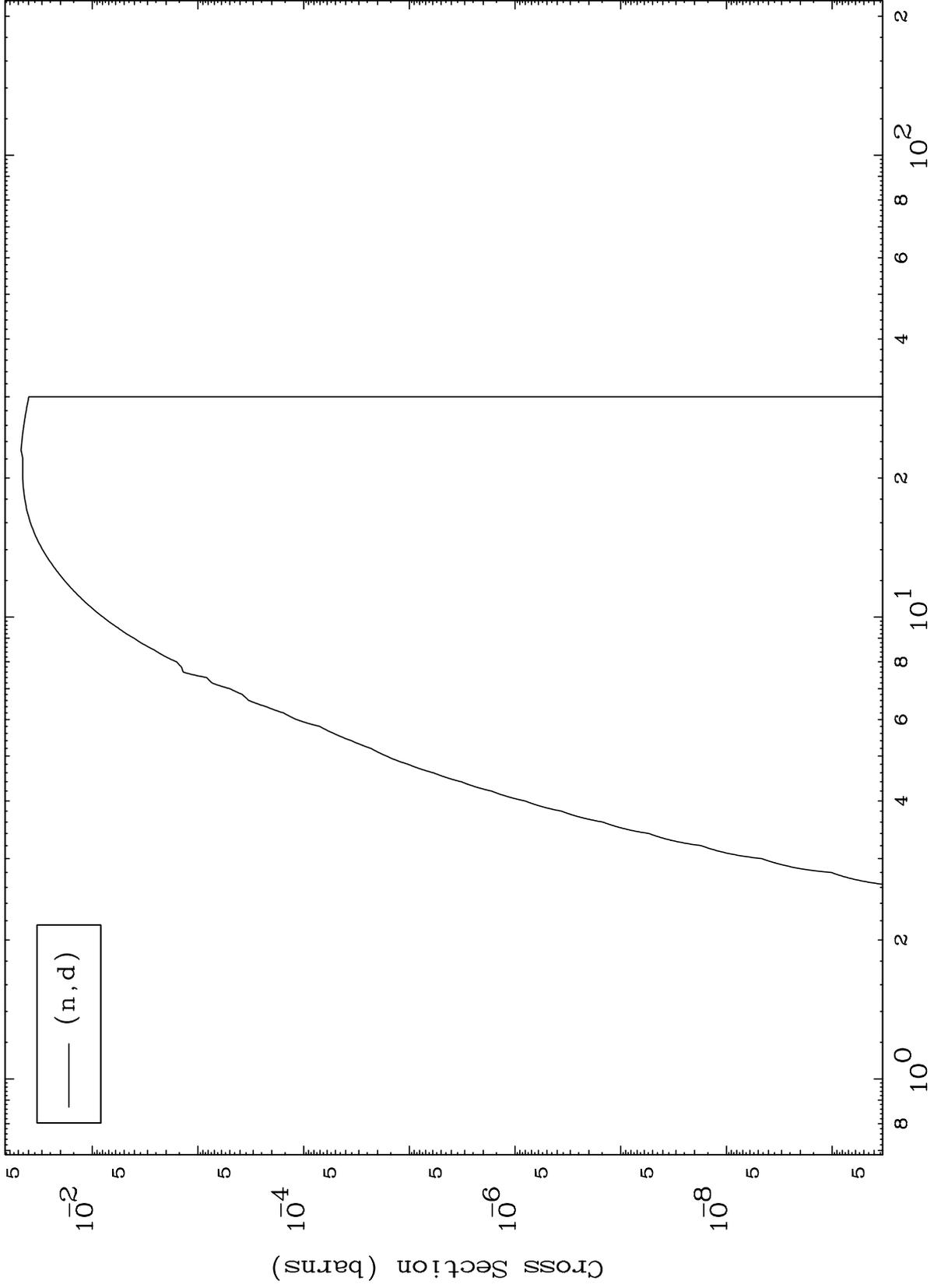
39-Y -80



MAT 3898

(n,d) Levels  
293 Kelvin Cross Sections

39-Y -80



9

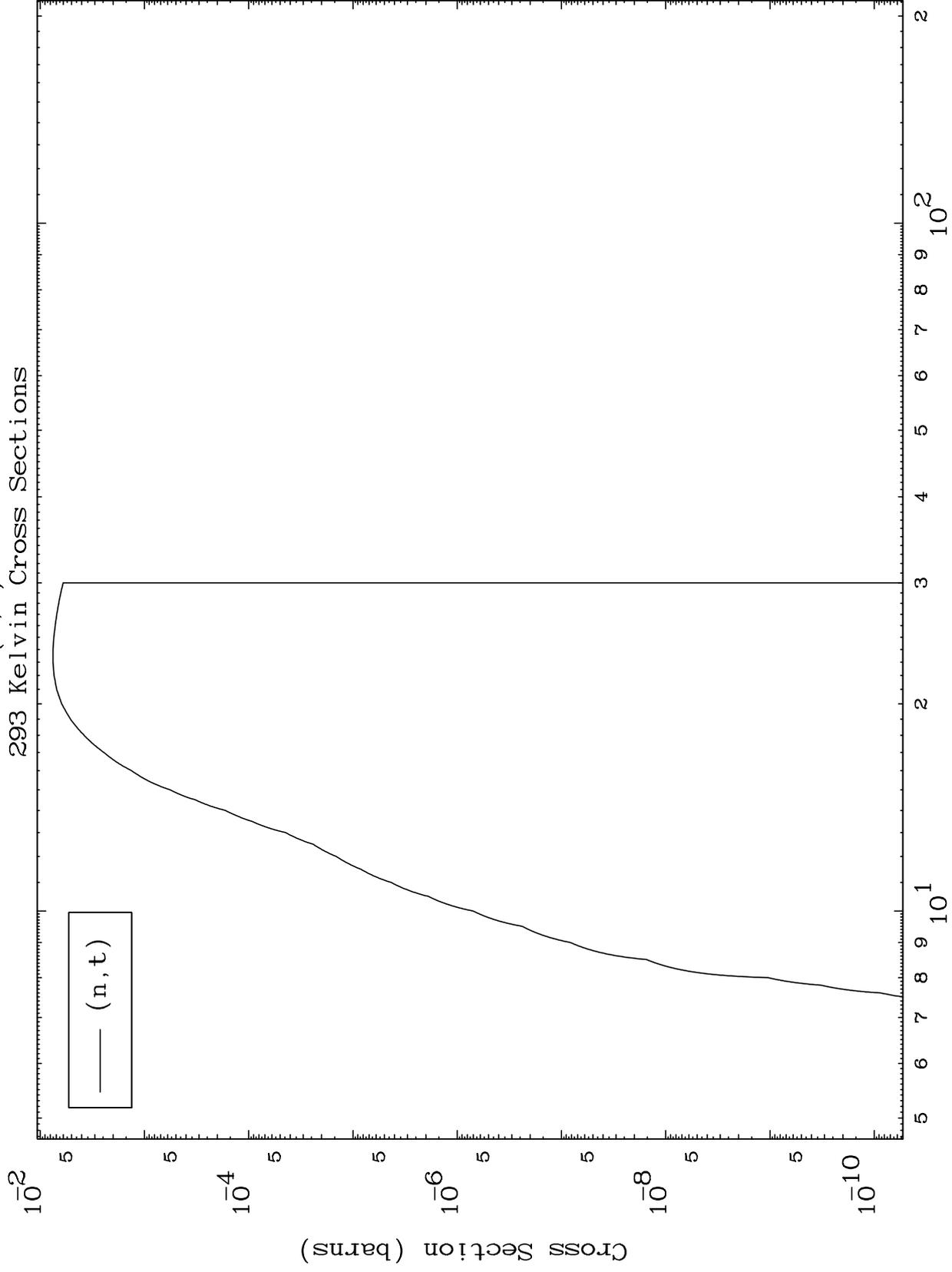
Incident Energy (MeV)

39-Y -80

MAT 3898

(n,t) Levels  
293 Kelvin Cross Sections

39-Y -80



10

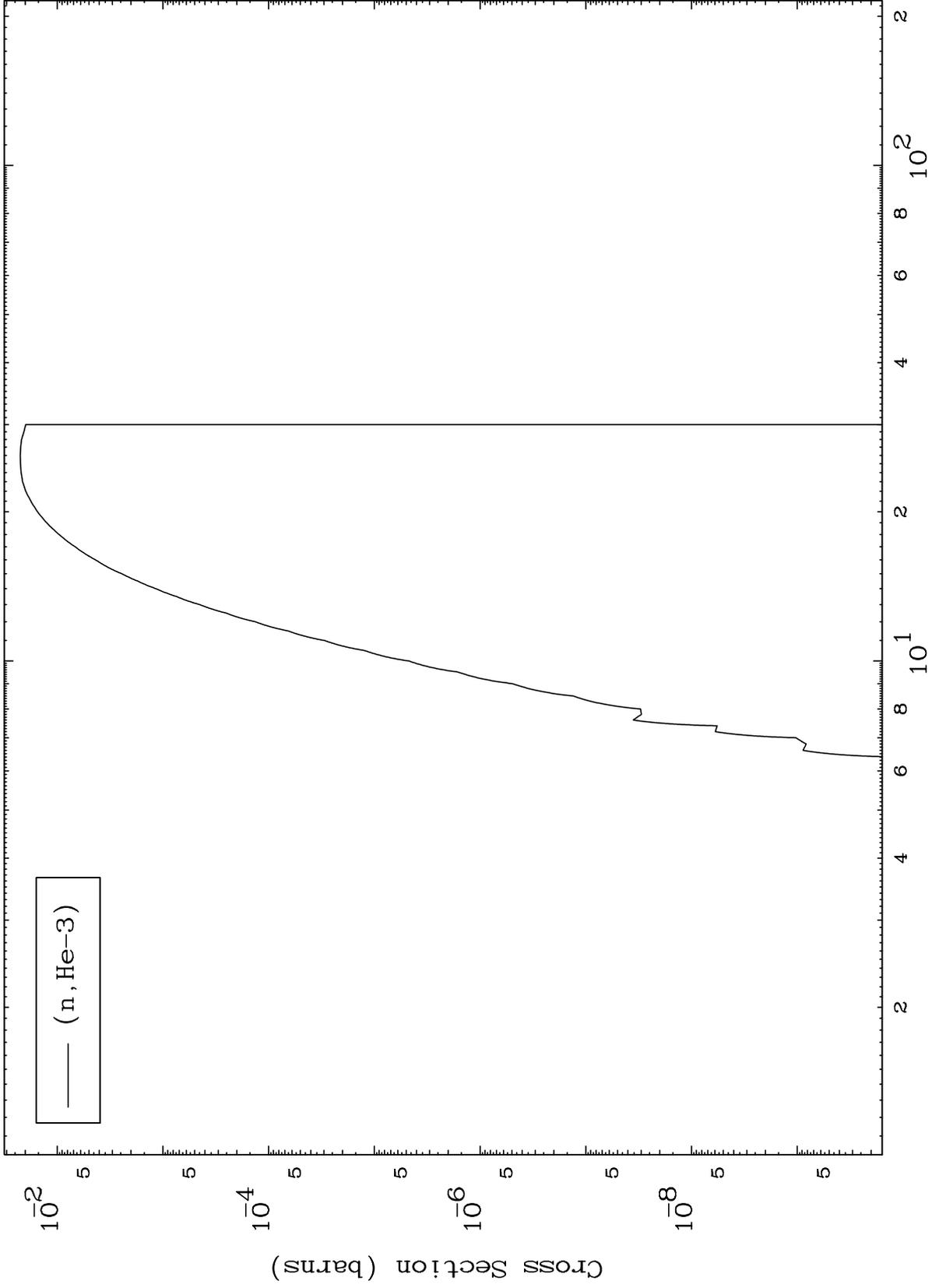
Incident Energy (MeV)

39-Y -80

MAT 3898

(n,He3) Levels  
293 Kelvin Cross Sections

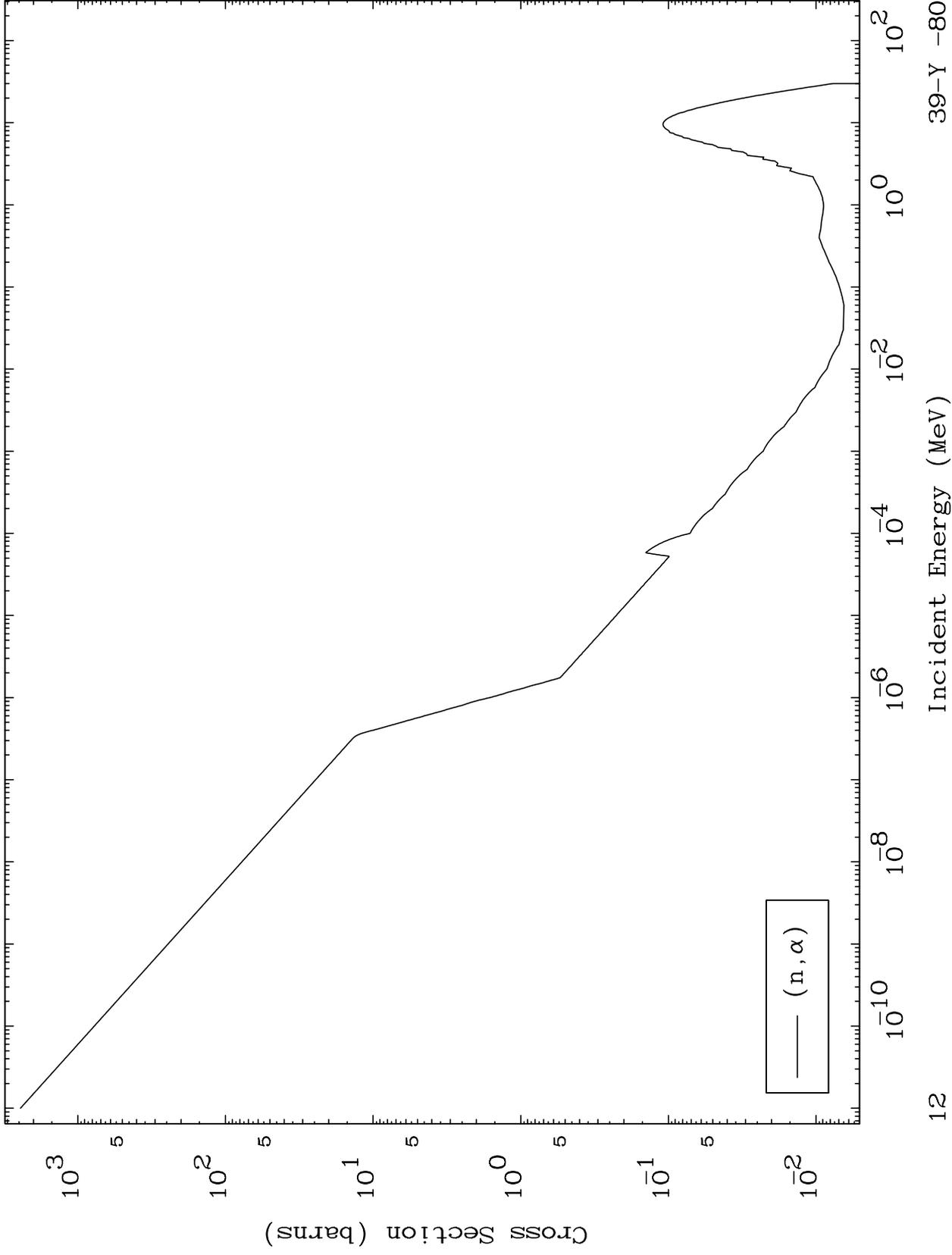
39-Y -80



MAT 3898

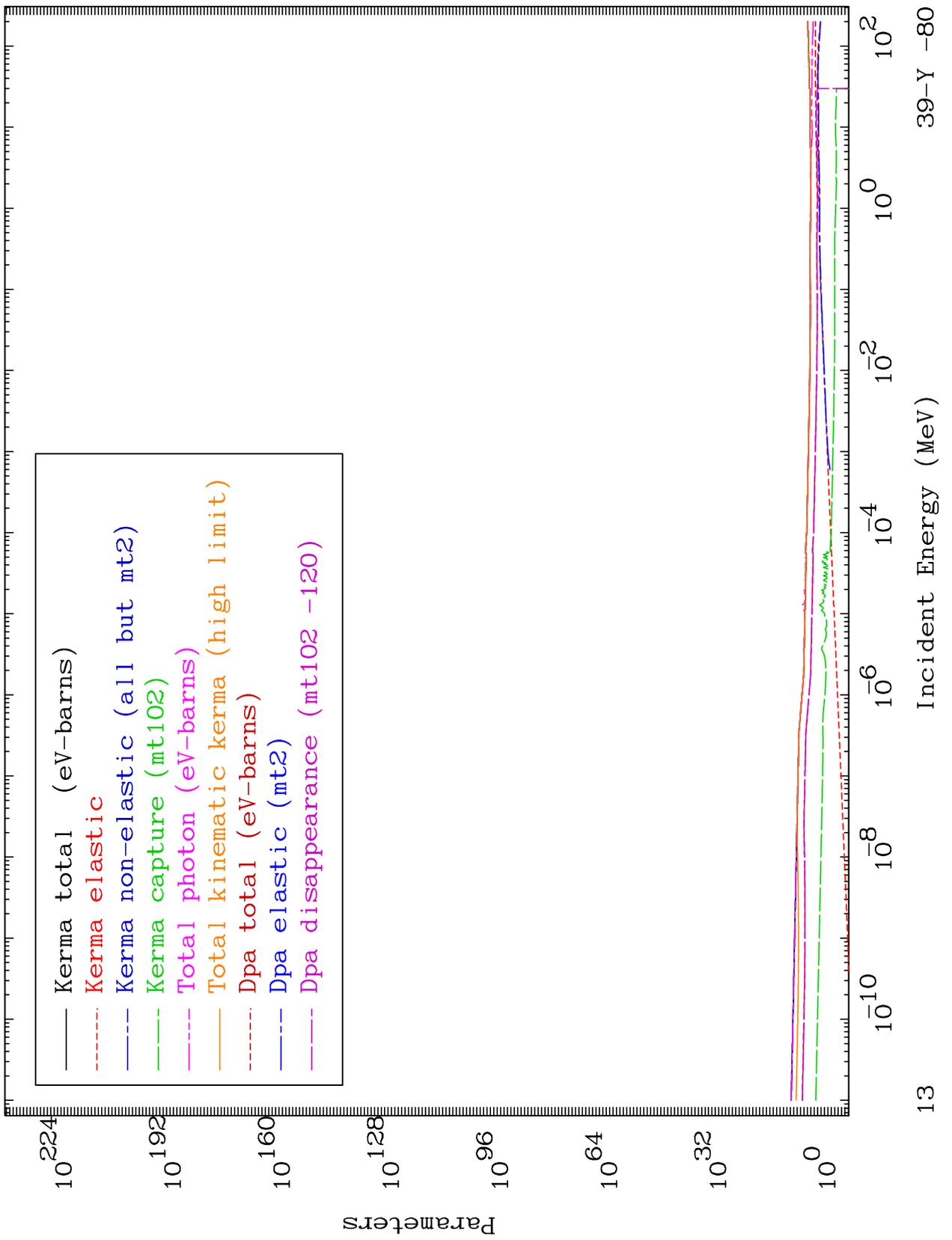
(n,α) Levels  
293 Kelvin Cross Sections

39-Y -80



12

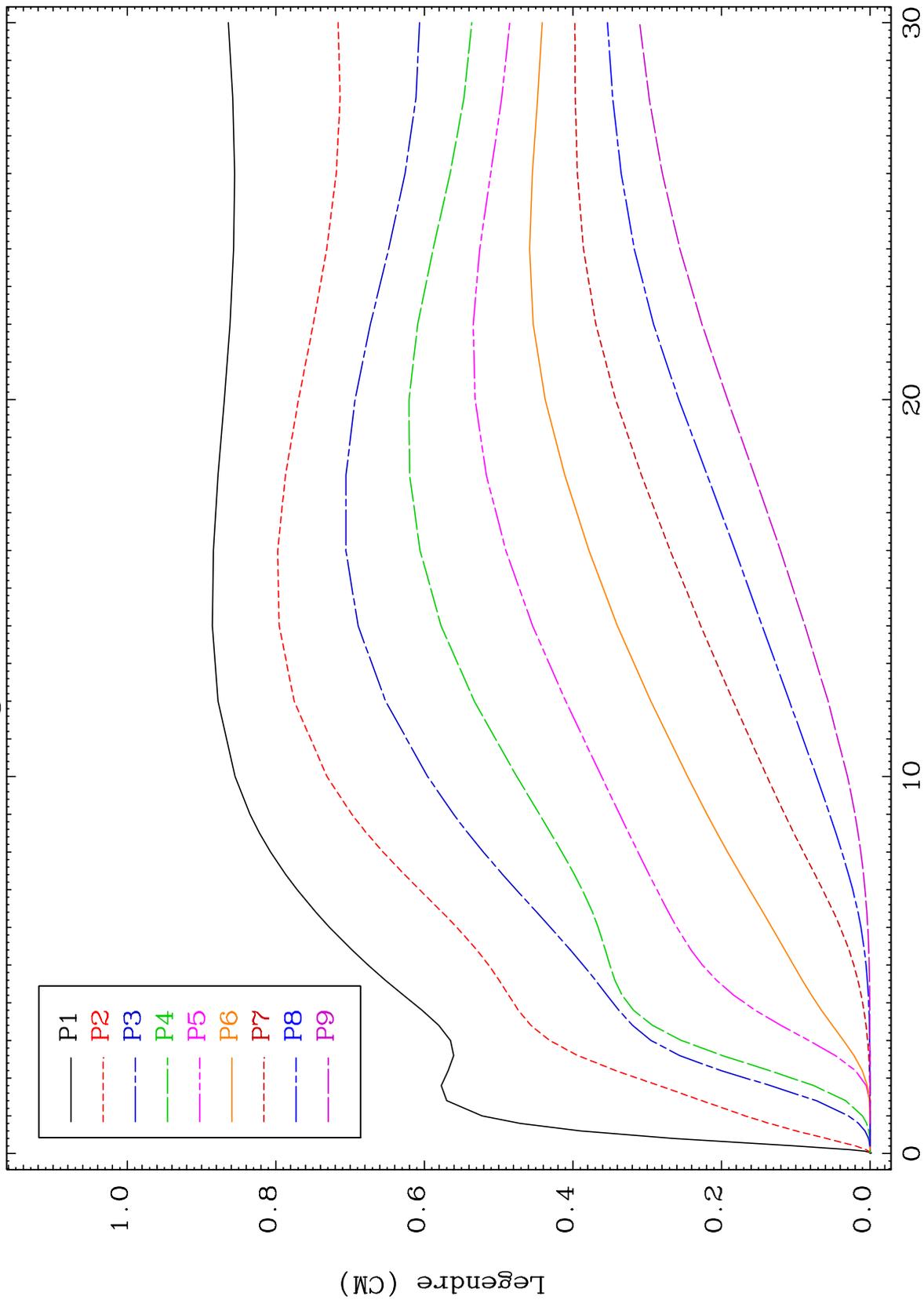
39-Y -80



MAT 3898

Elastic Legendre Coefficients

39-Y -80



14

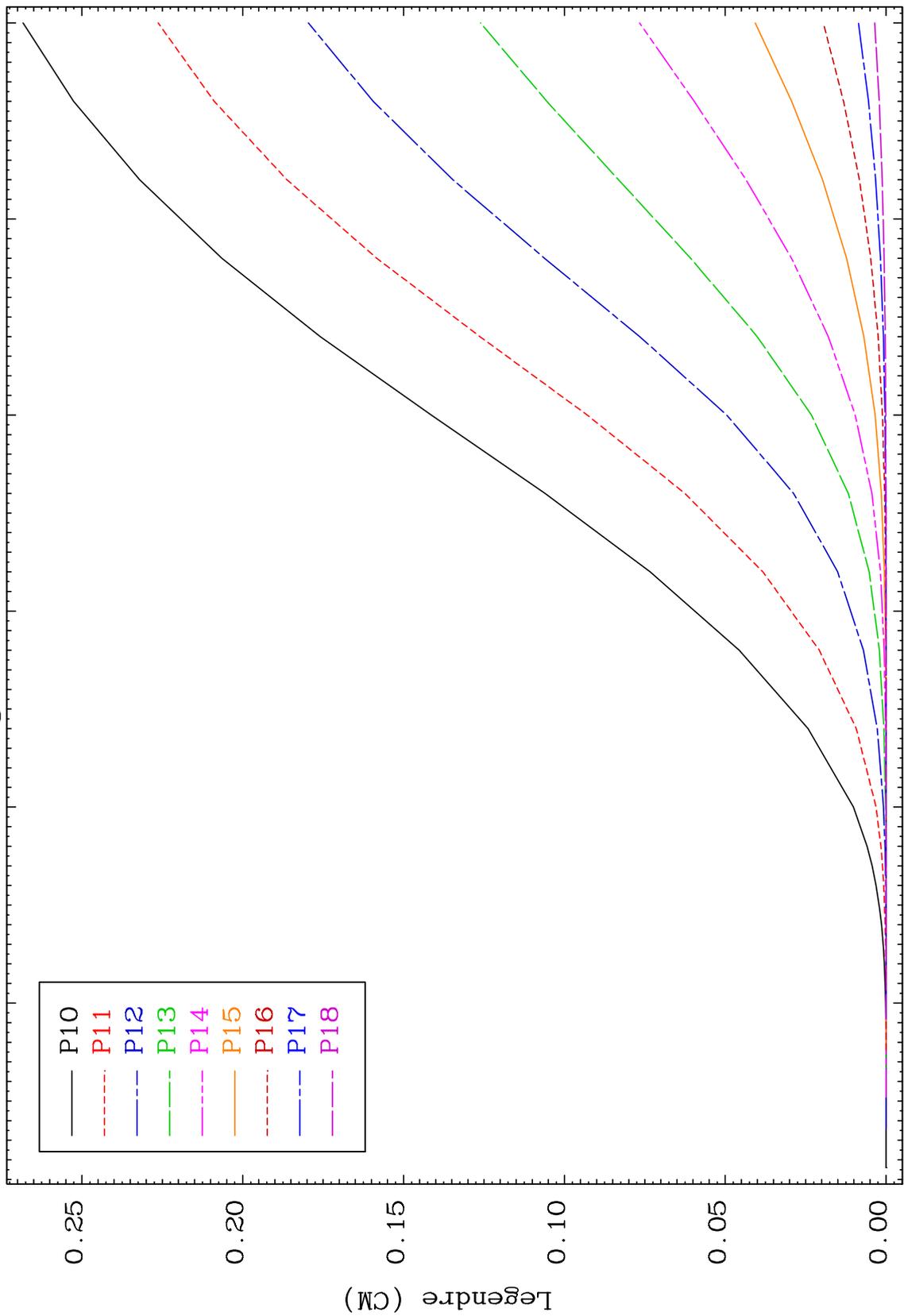
Incident Energy (MeV)

39-Y -80

MAT 3898

Elastic Legendre Coefficients

39-Y -80



15

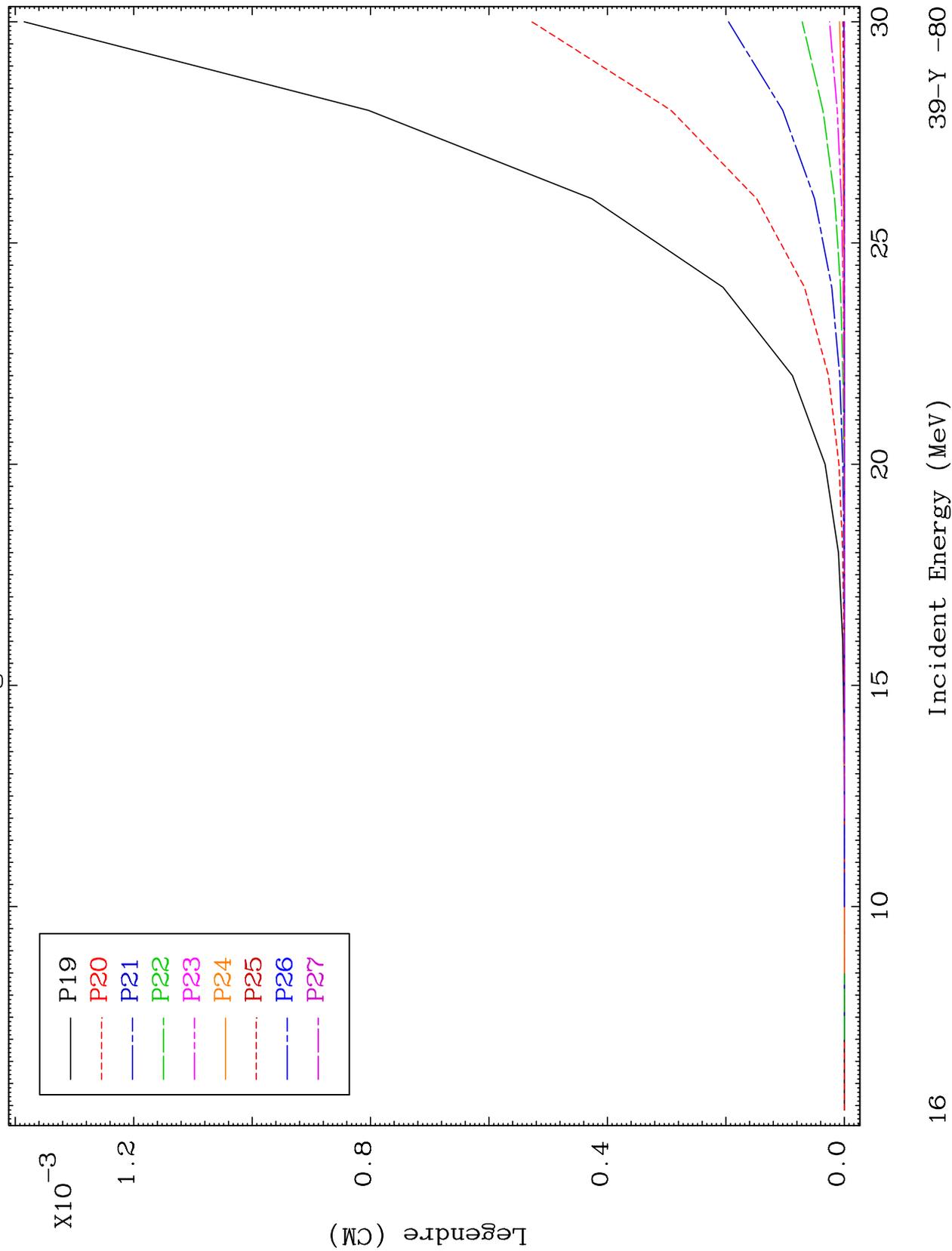
Incident Energy (MeV)

39-Y -80

MAT 3898

Elastic Legendre Coefficients

39-Y -80

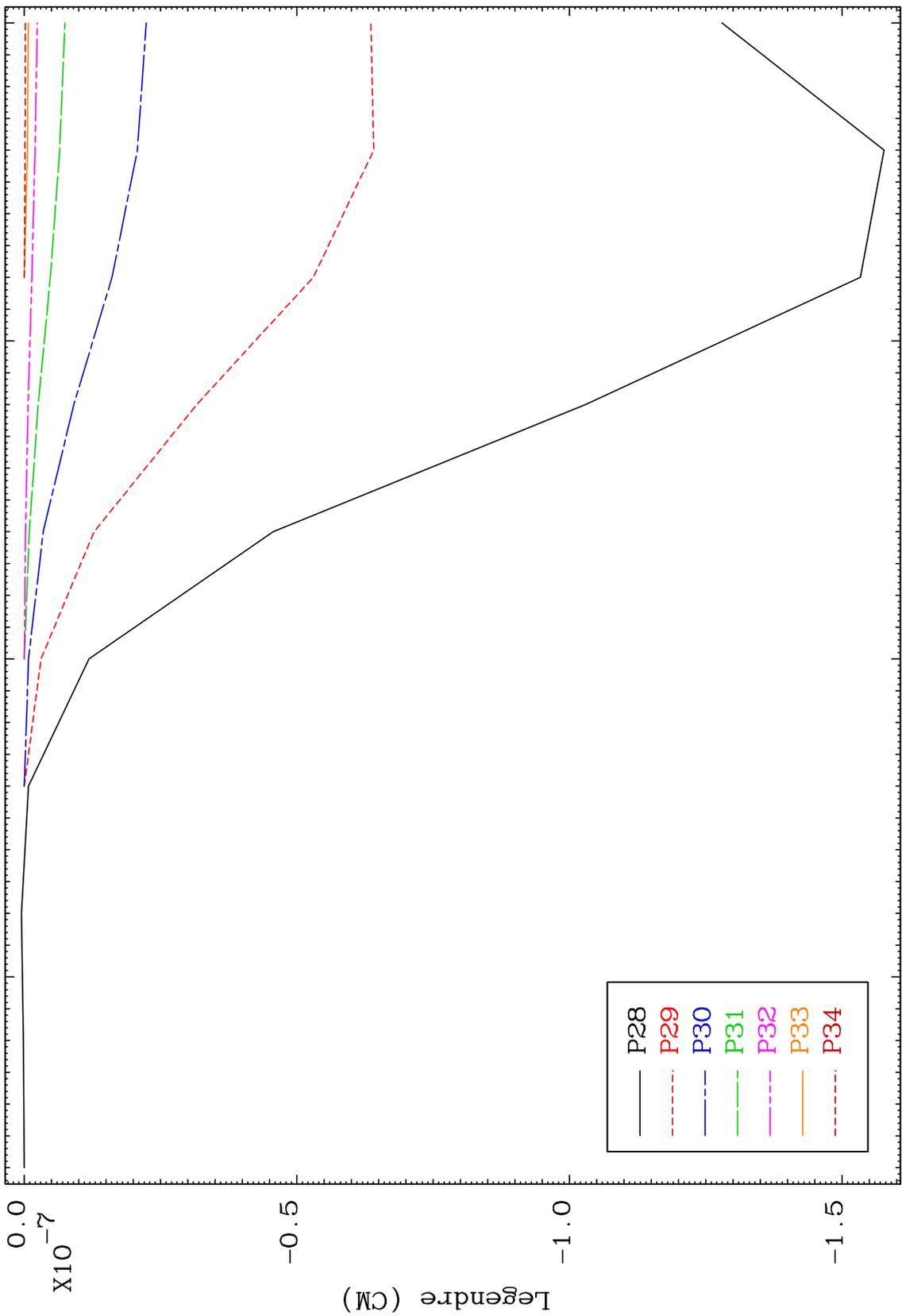


- P19
- P20
- P21
- P22
- P23
- P24
- P25
- P26
- P27

MAT 3898

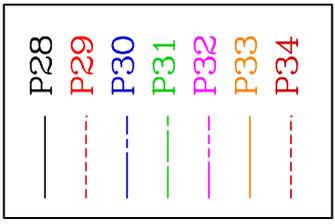
39-Y -80

Elastic Legendre Coefficients



$10^{-7}$

Legendre (CM)



17

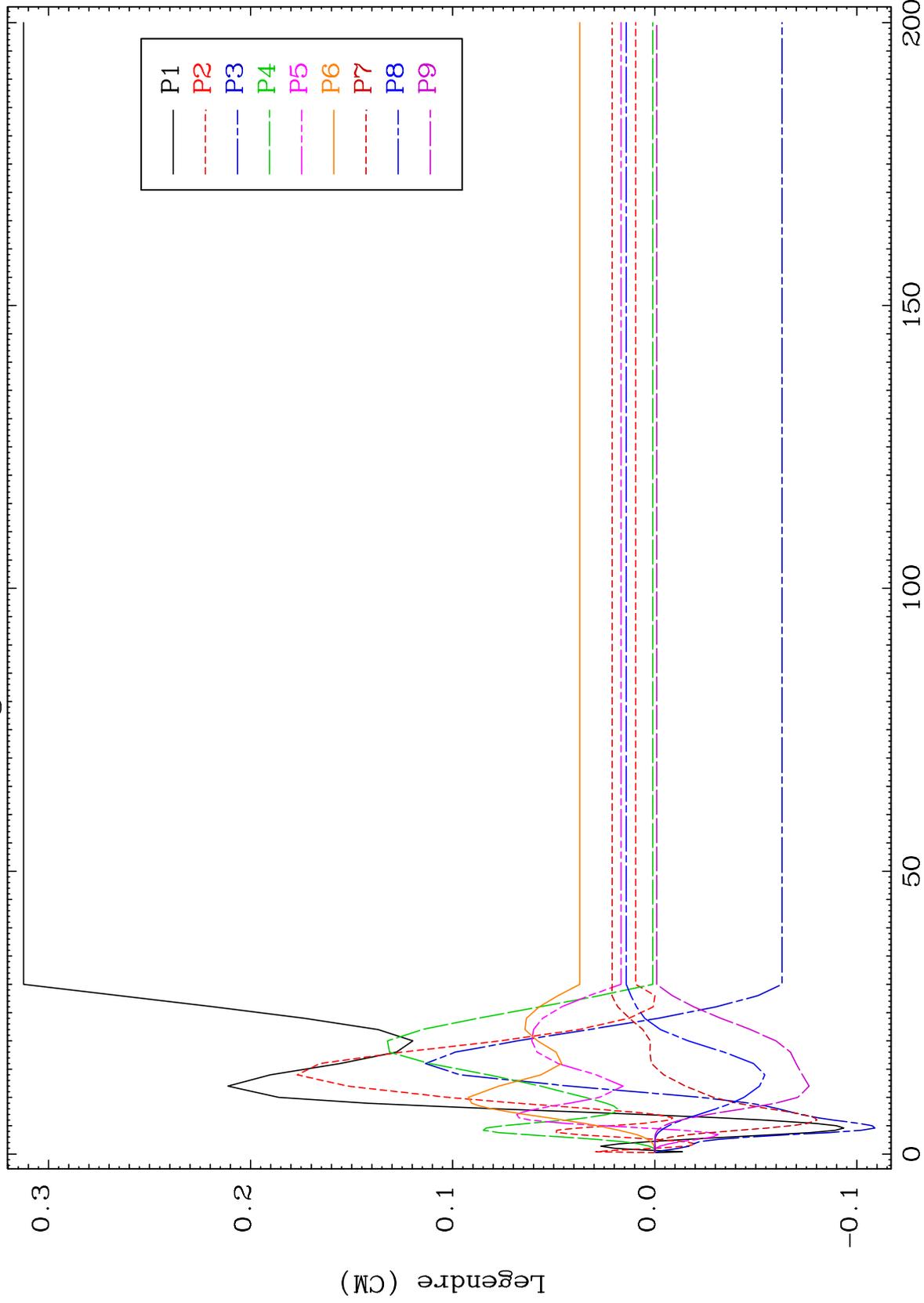
Incident Energy (MeV)

39-Y -80

MAT 3898

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

39-Y -80



18

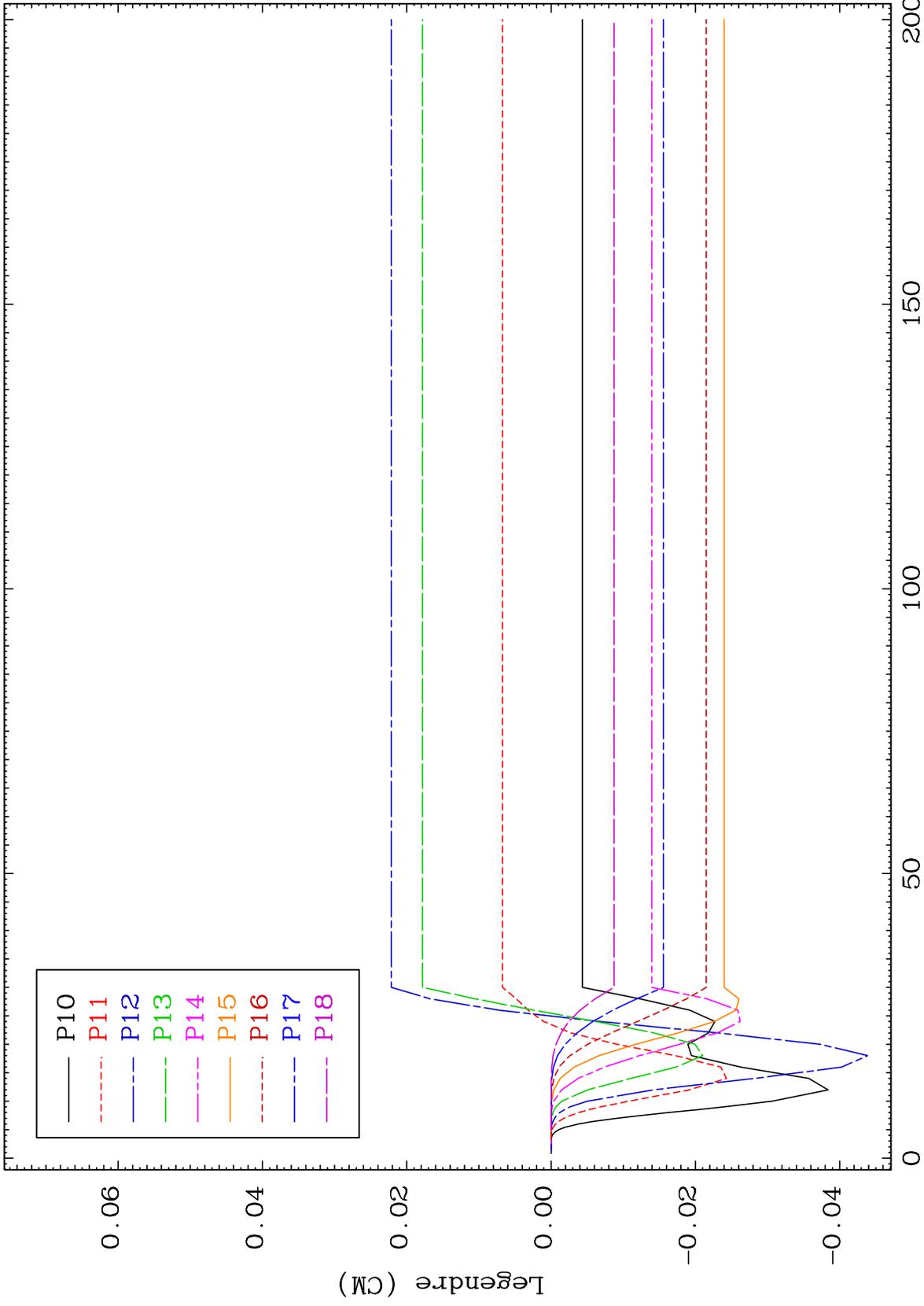
Incident Energy (MeV)

39-Y -80

MAT 3898

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

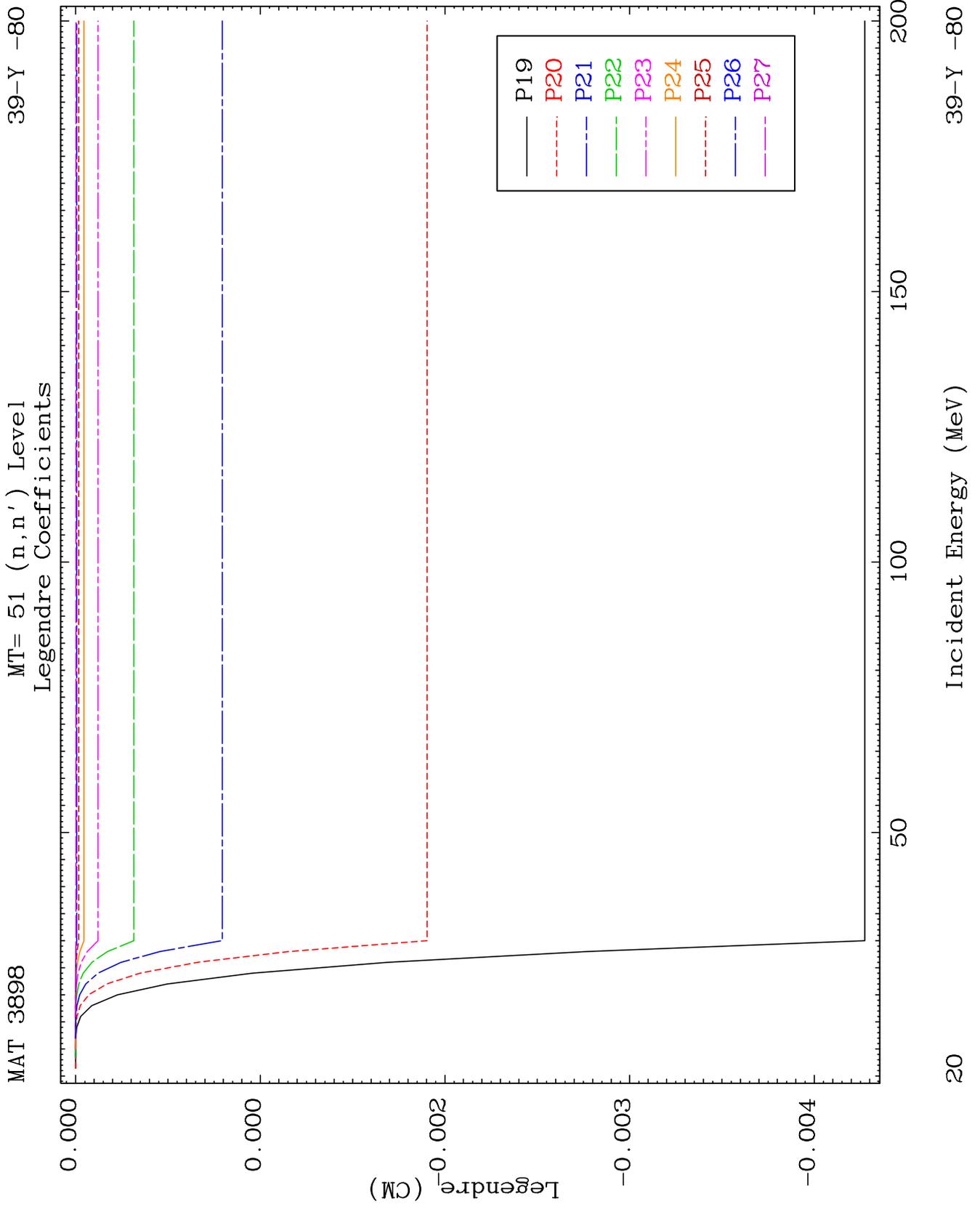
39-Y -80

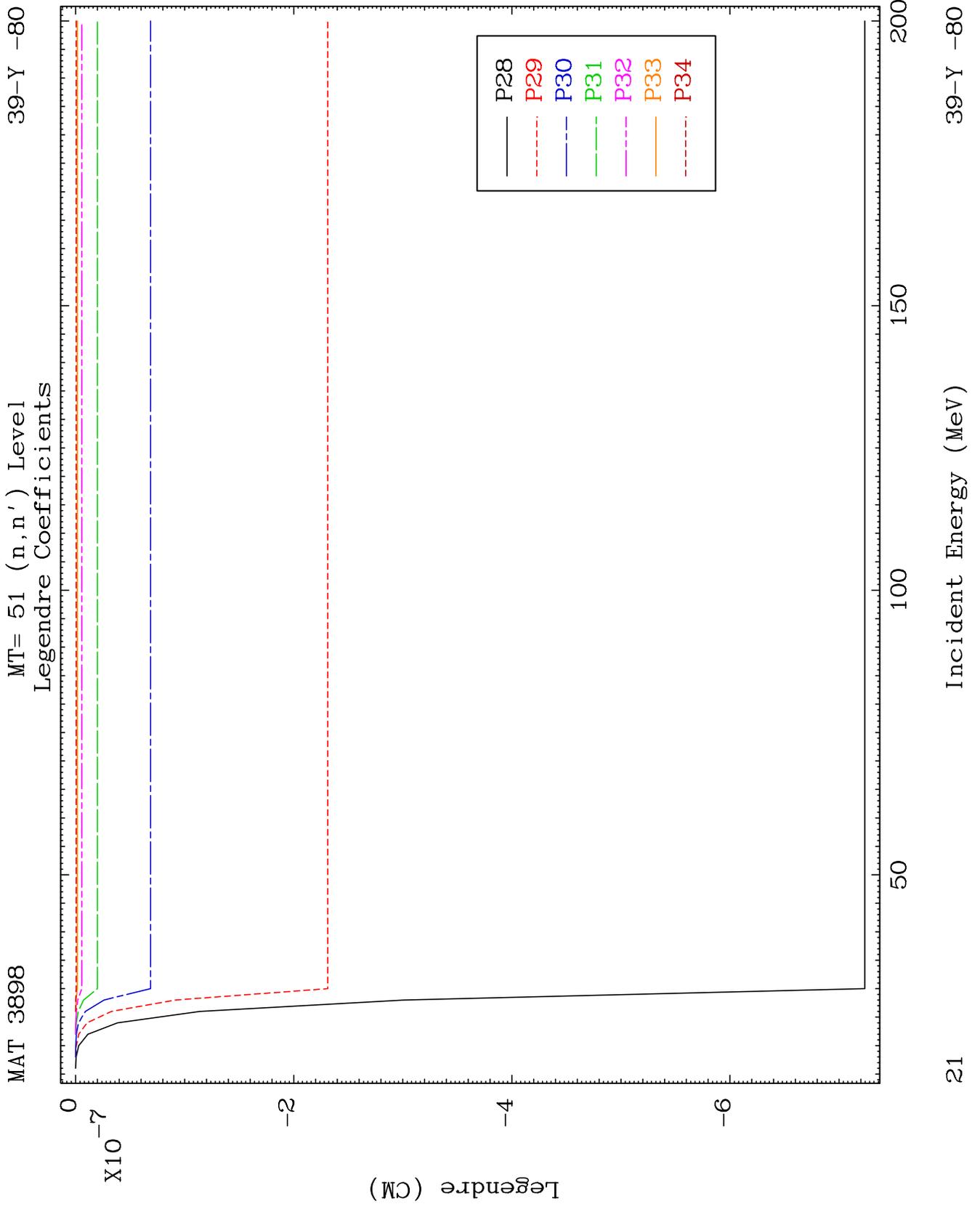


19

Incident Energy (MeV)

39-Y -80

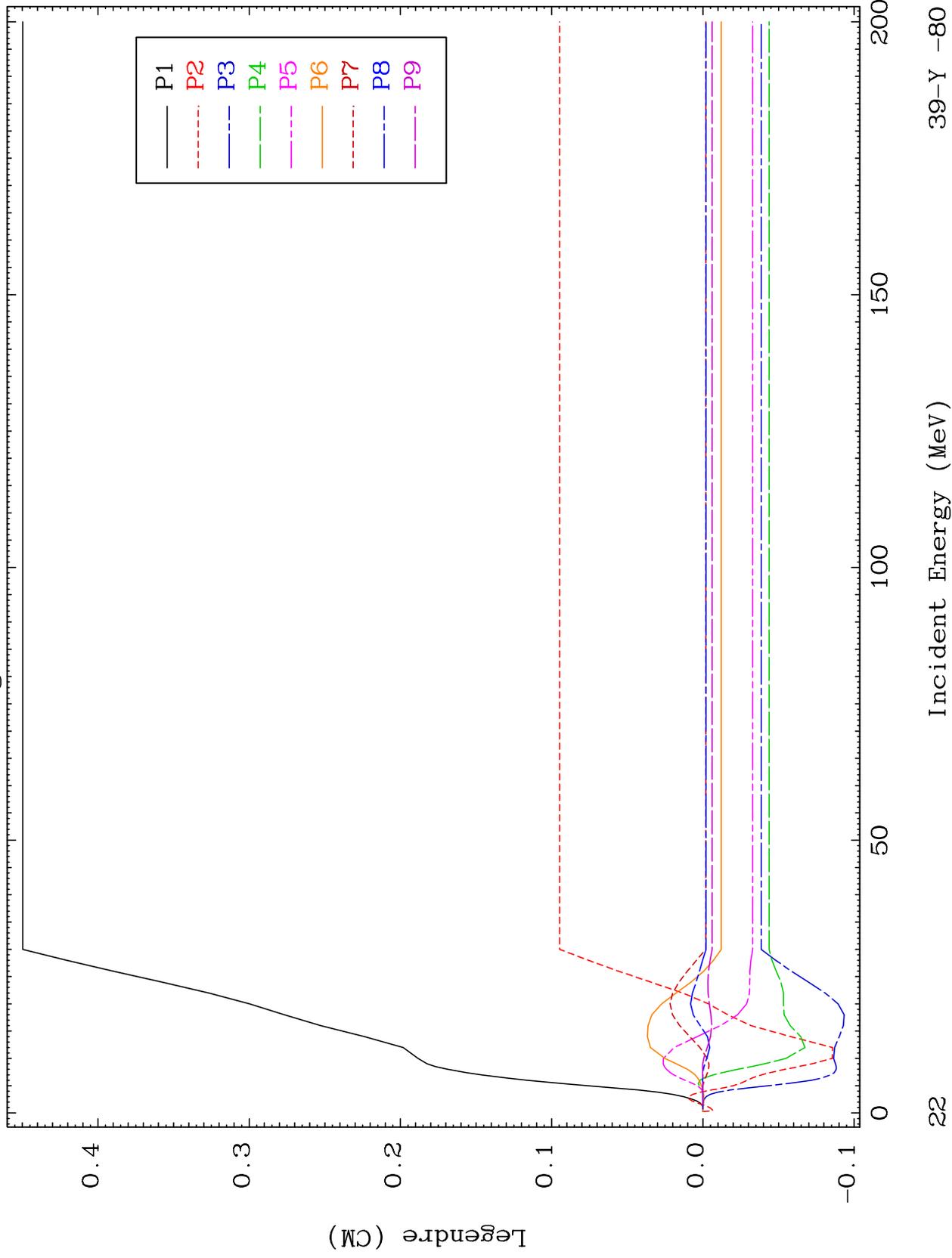




MAT 3898

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

39-Y -80



22

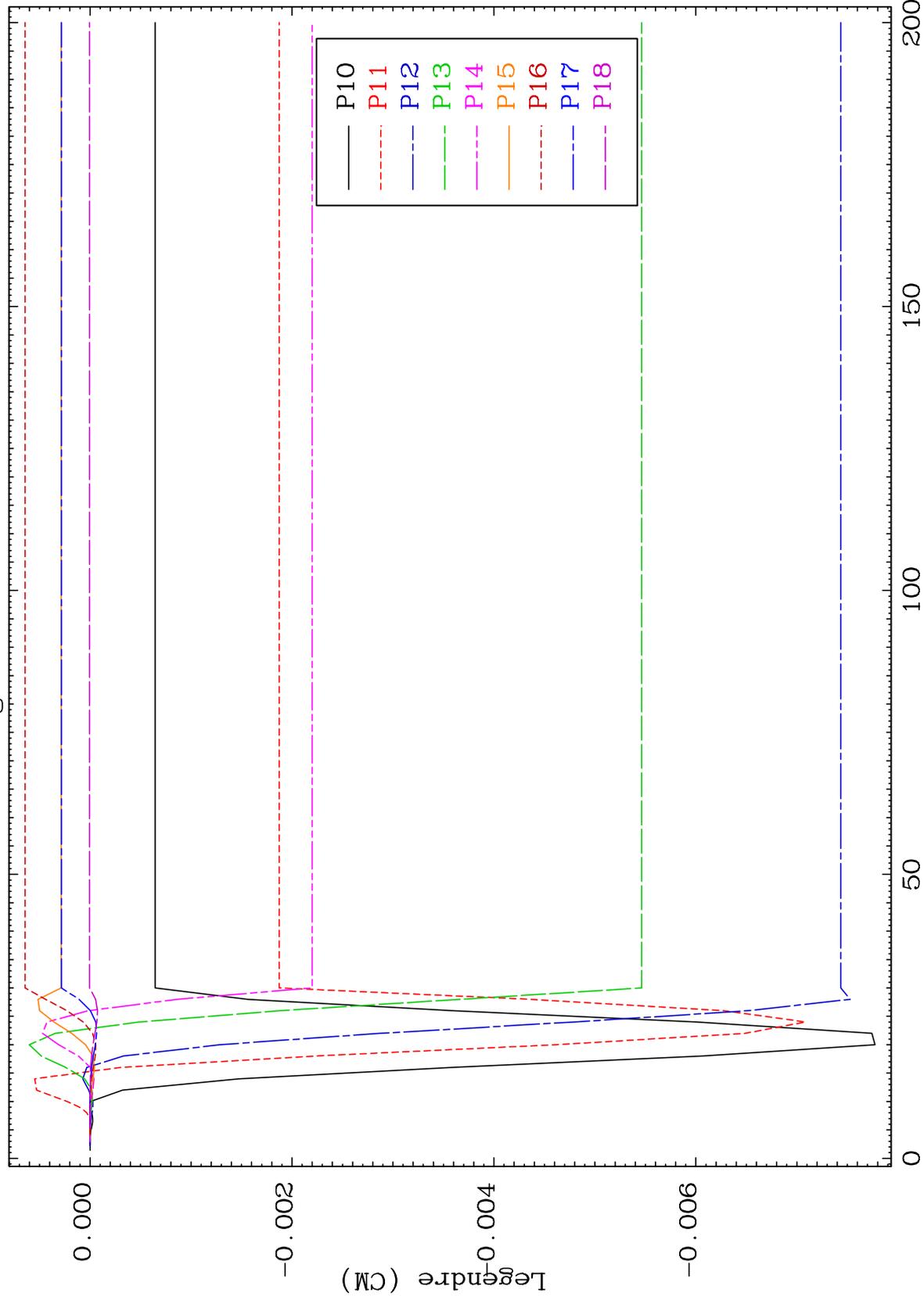
Incident Energy (MeV)

39-Y -80

MAT 3898

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

39-Y -80



23

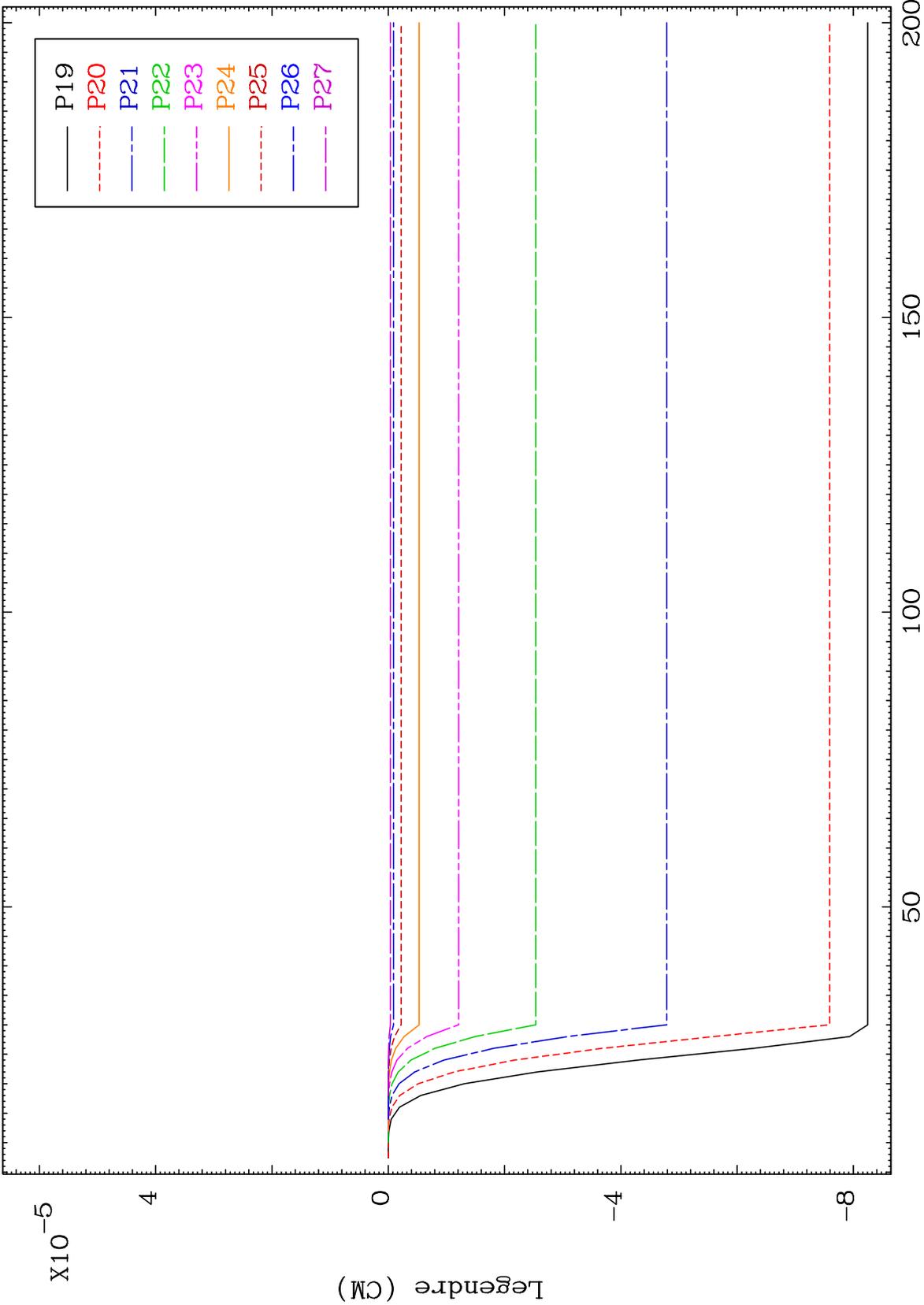
Incident Energy (MeV)

39-Y -80

MAT 3898

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

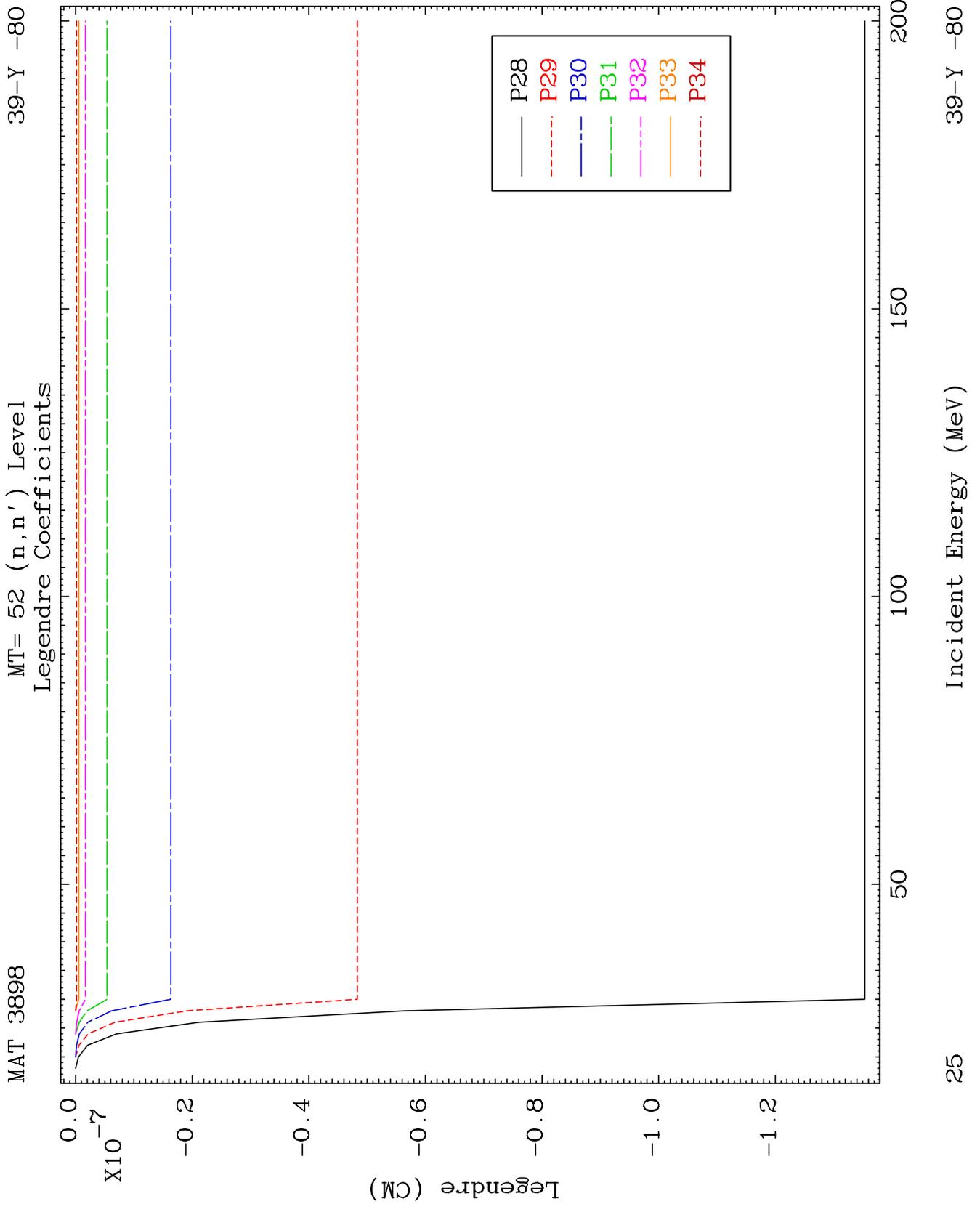
39-Y -80



24

Incident Energy (MeV)

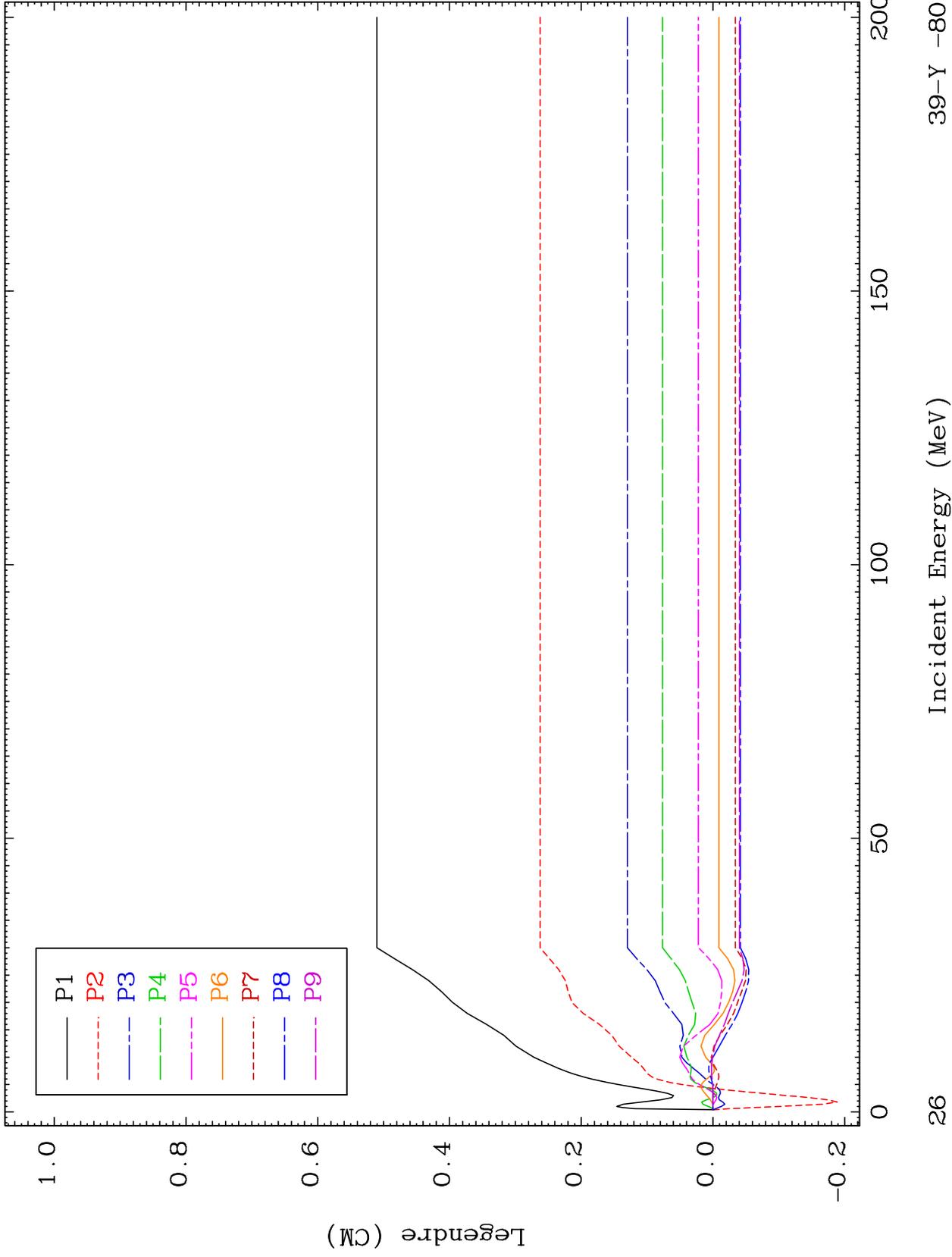
39-Y -80



MAT 3898

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

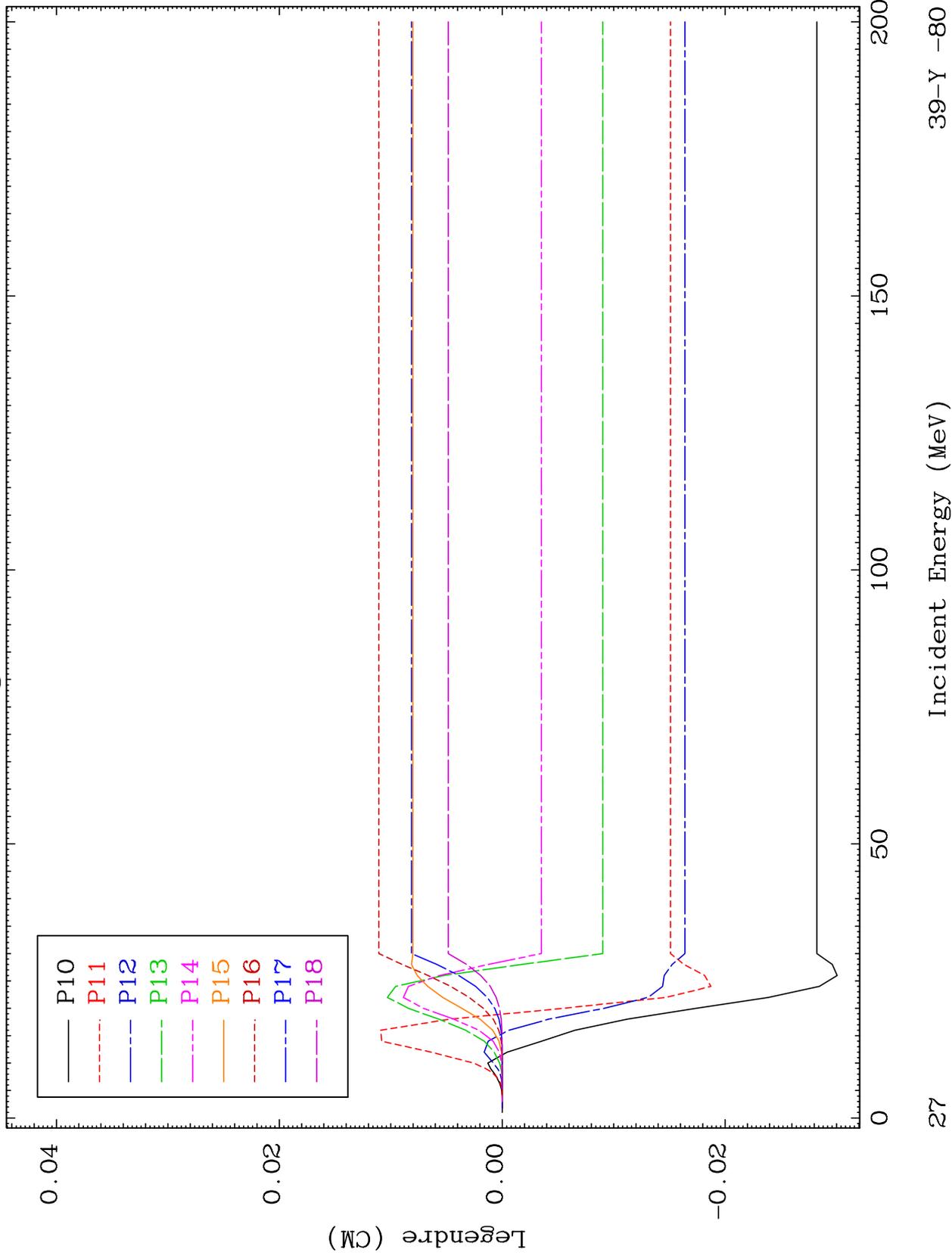
39-Y -80



MAT 3898

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

39-Y -80



27

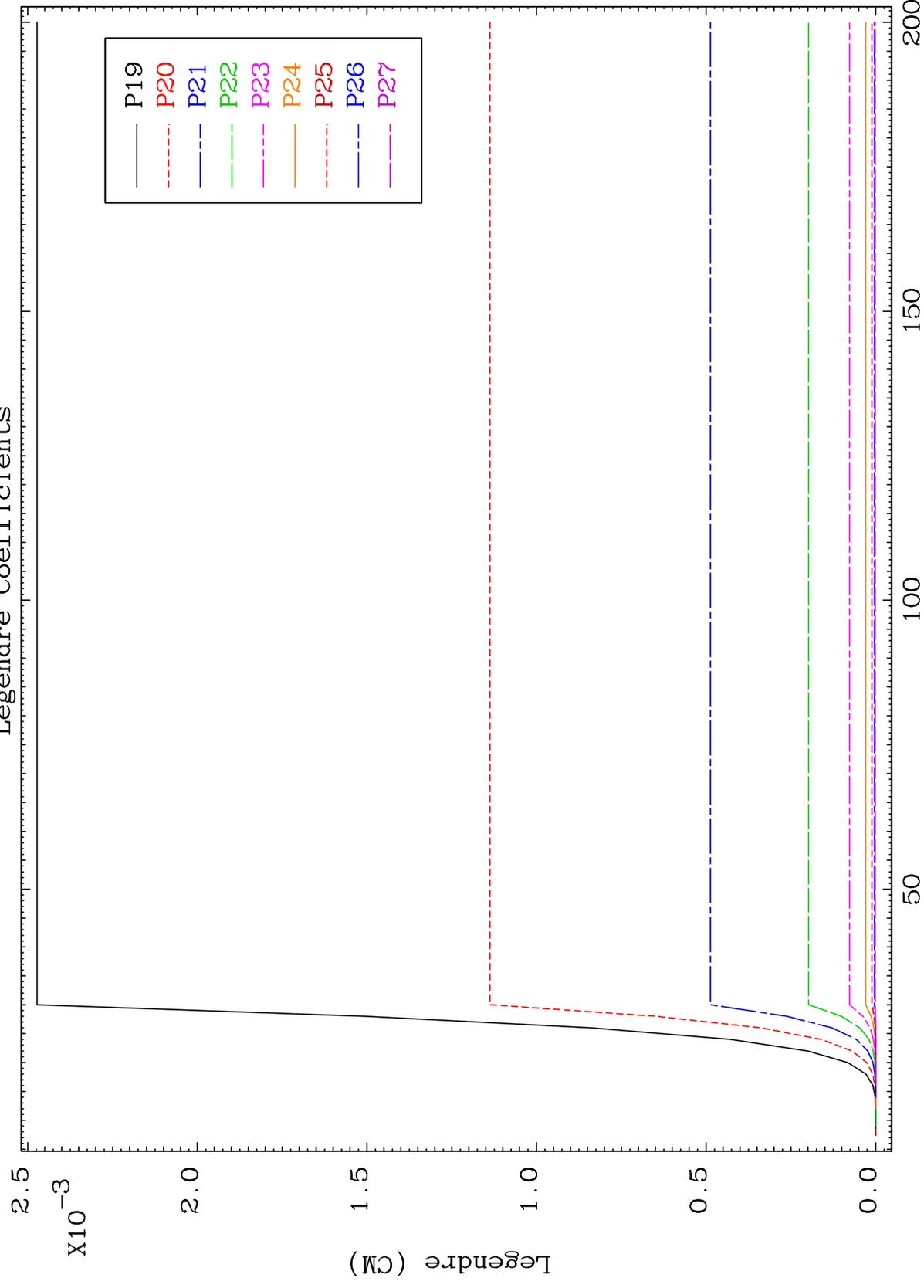
Incident Energy (MeV)

39-Y -80

MAT 3898

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

39-Y -80



28

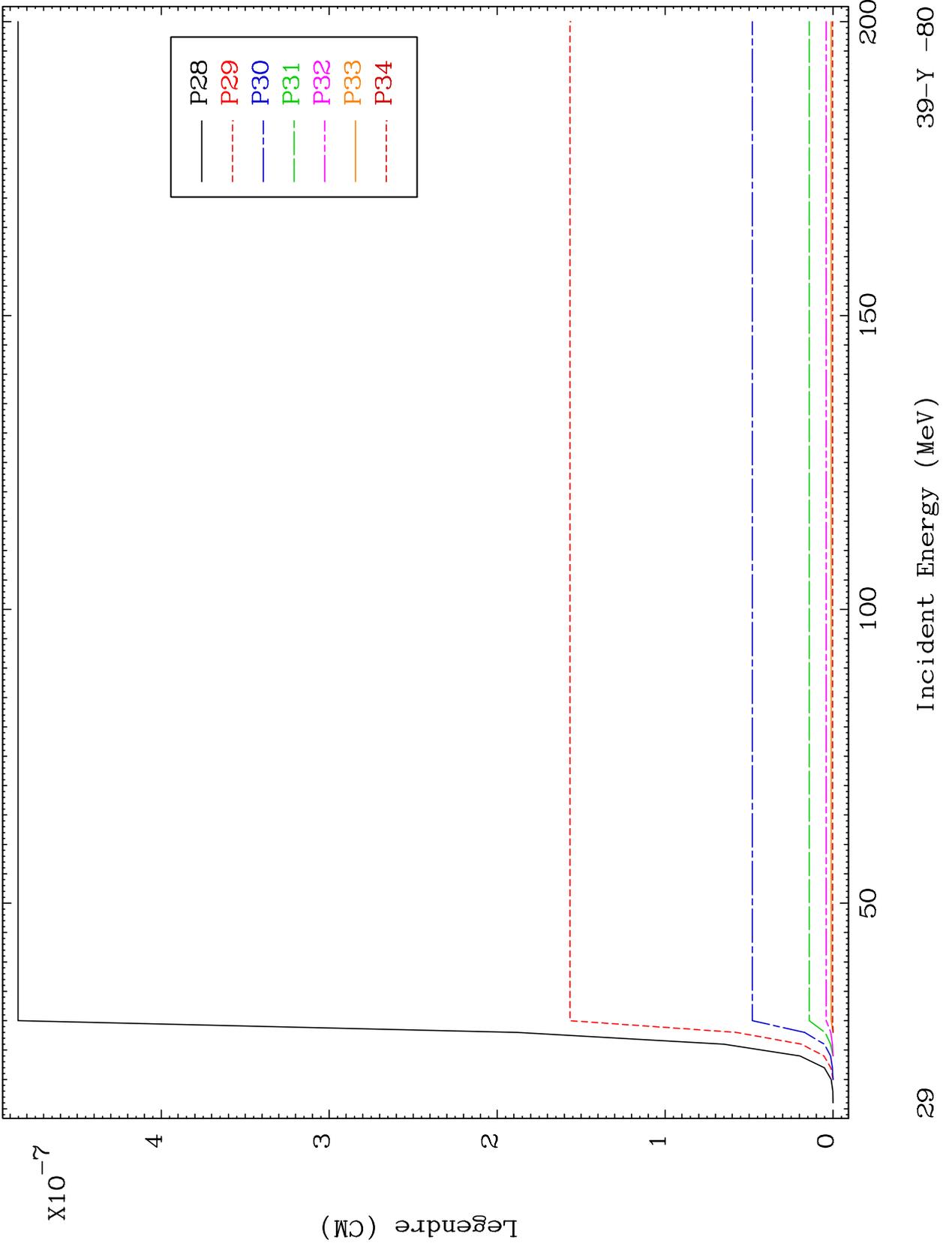
Incident Energy (MeV)

39-Y -80

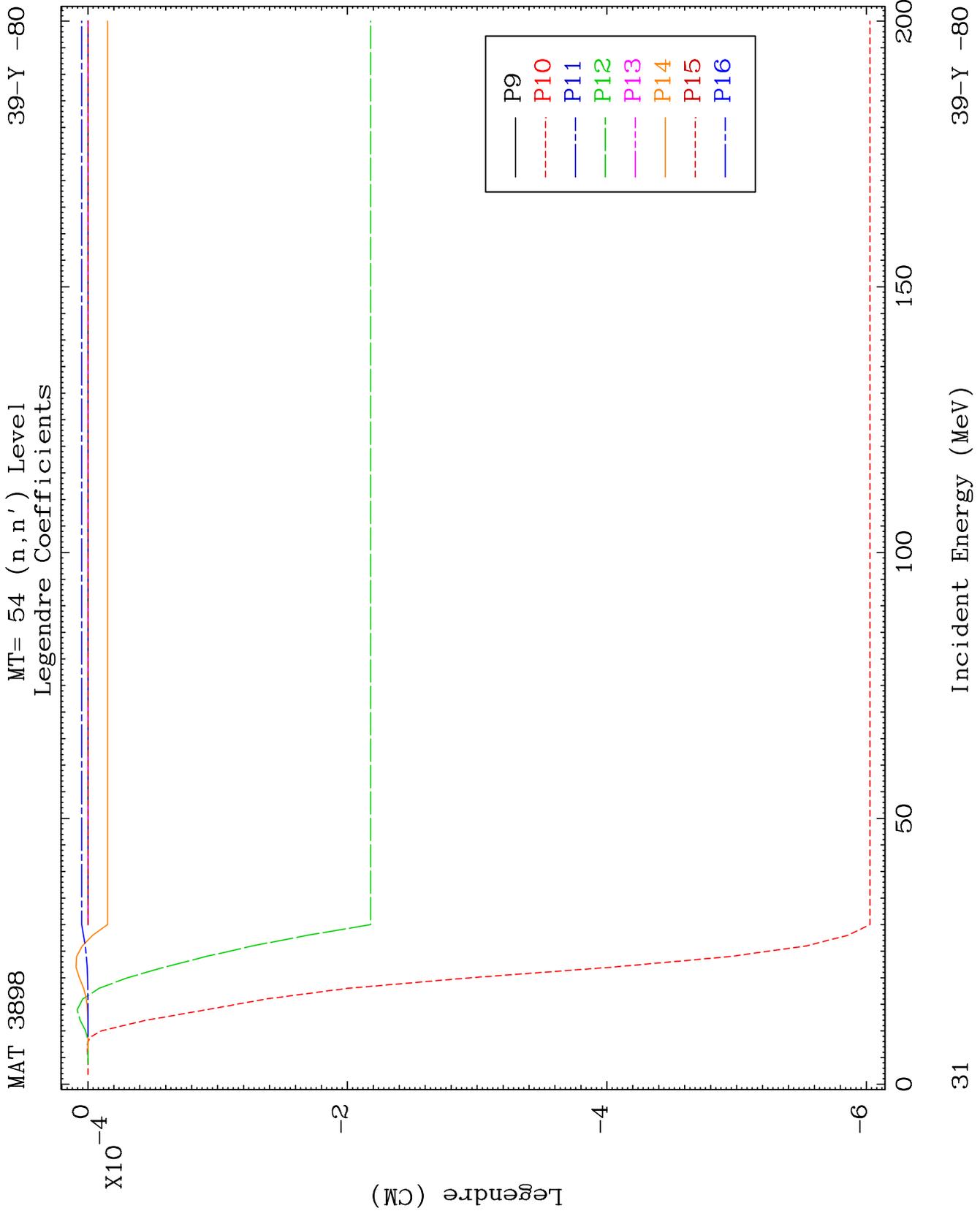
MAT 3898

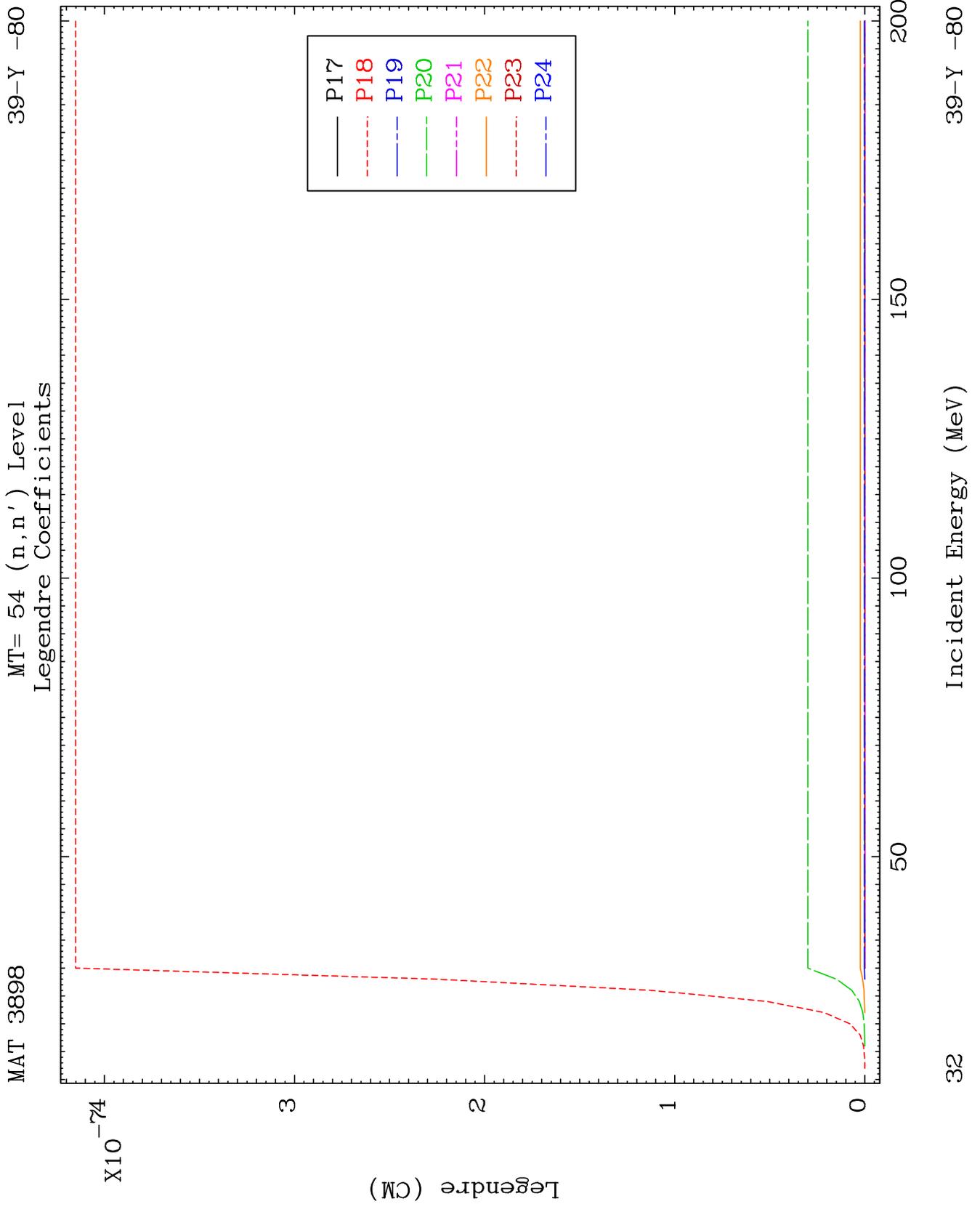
MT= 53 (n,n') Level  
Legendre Coefficients

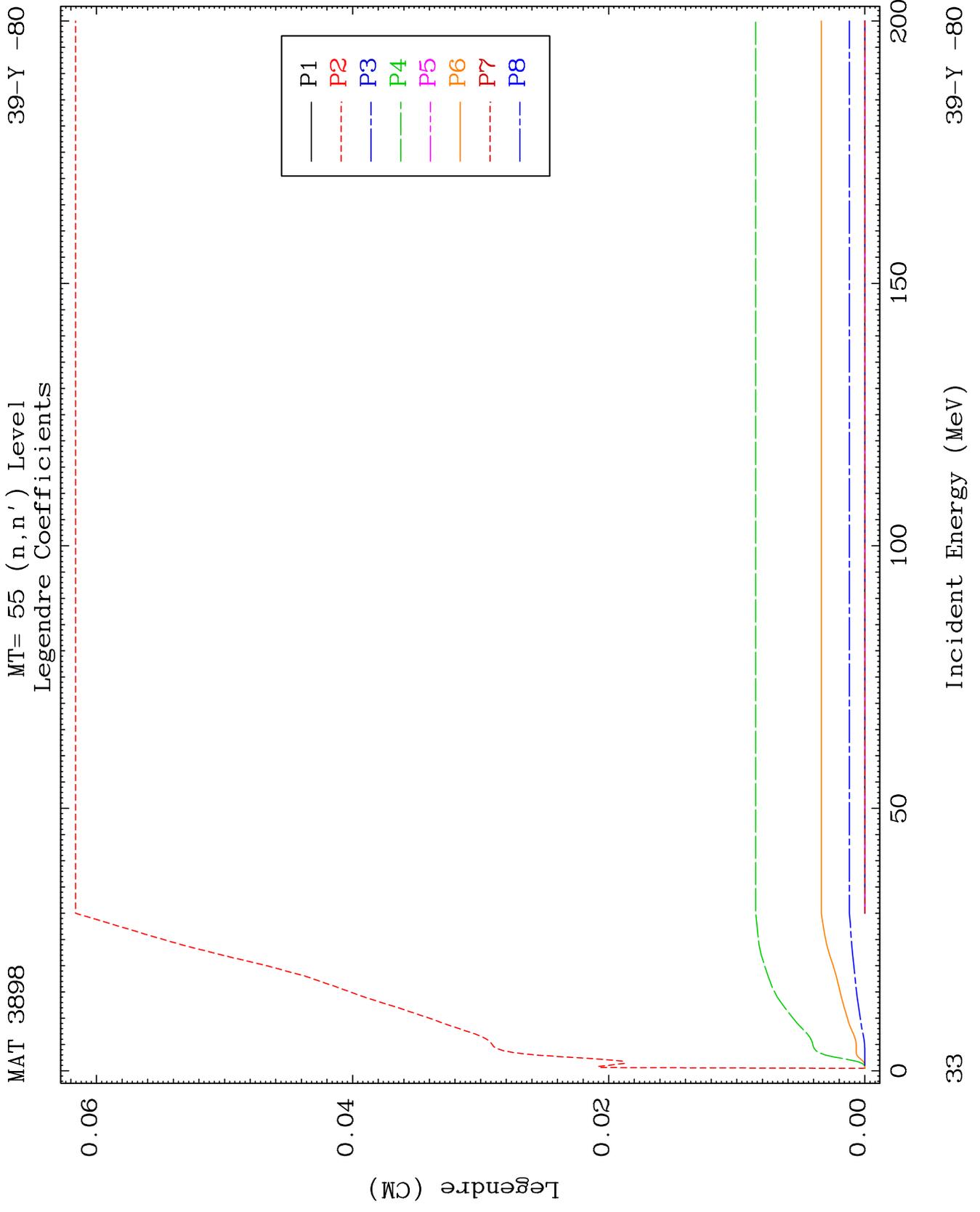
39-Y -80







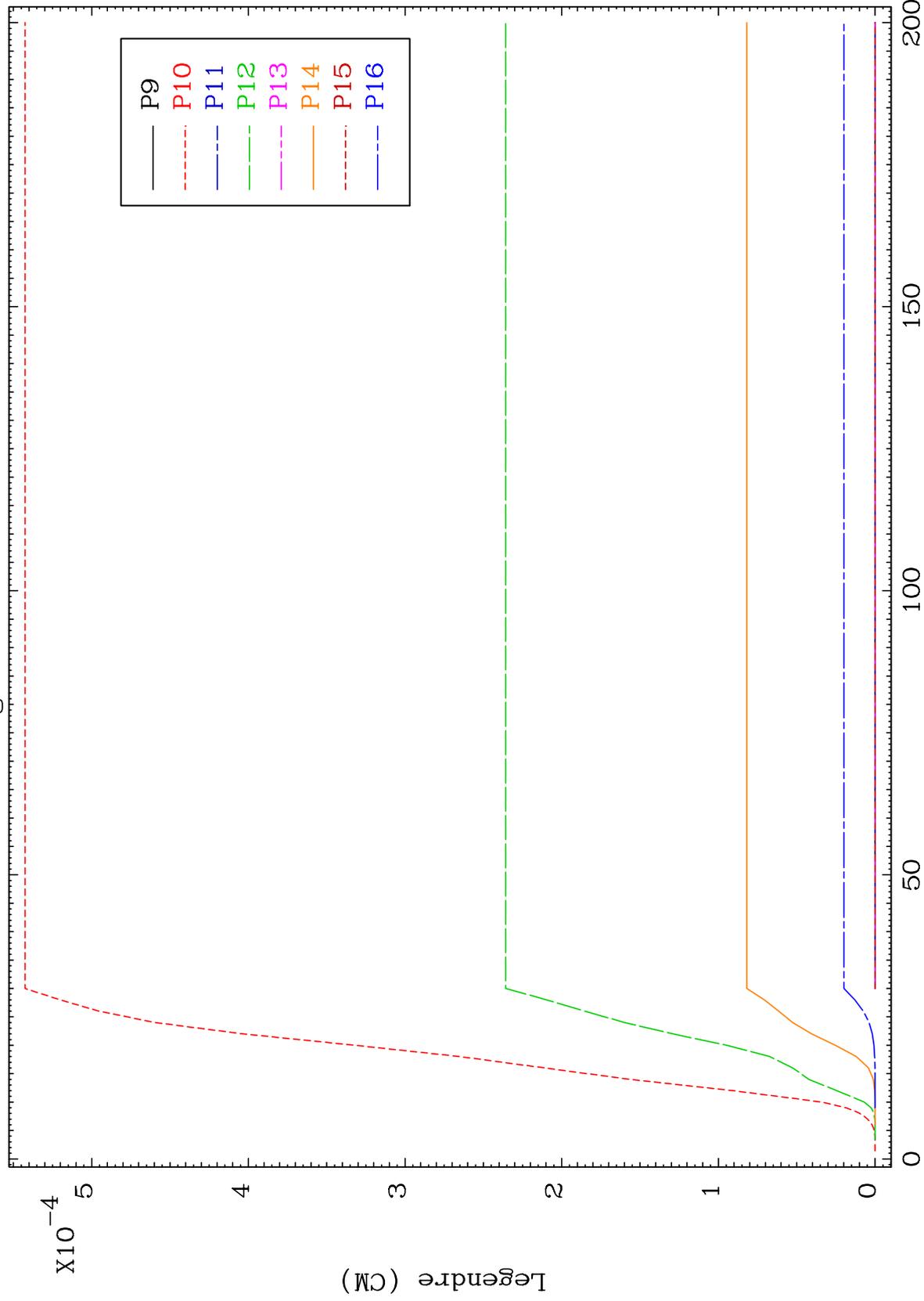




MAT 3898

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

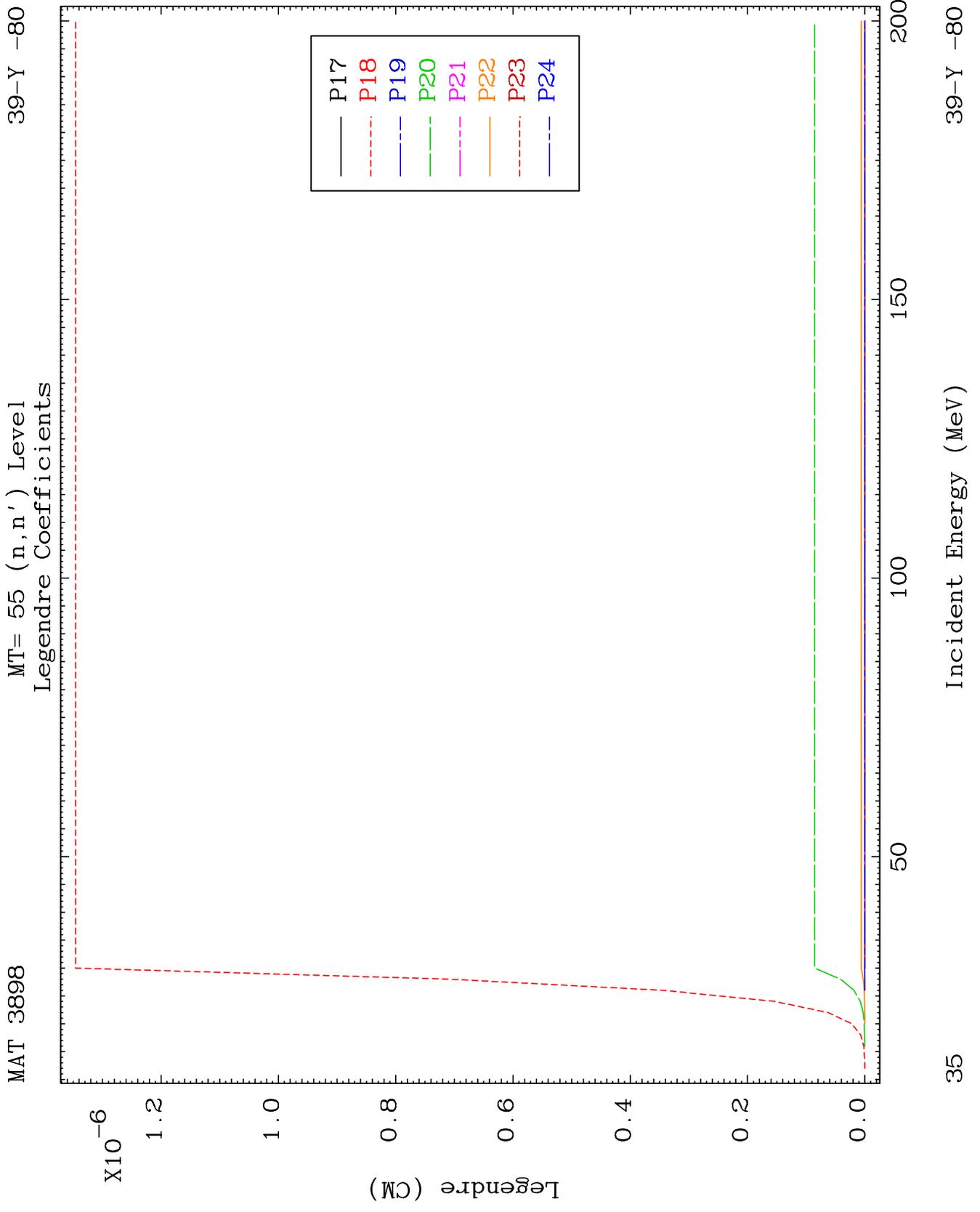
39-Y -80



34

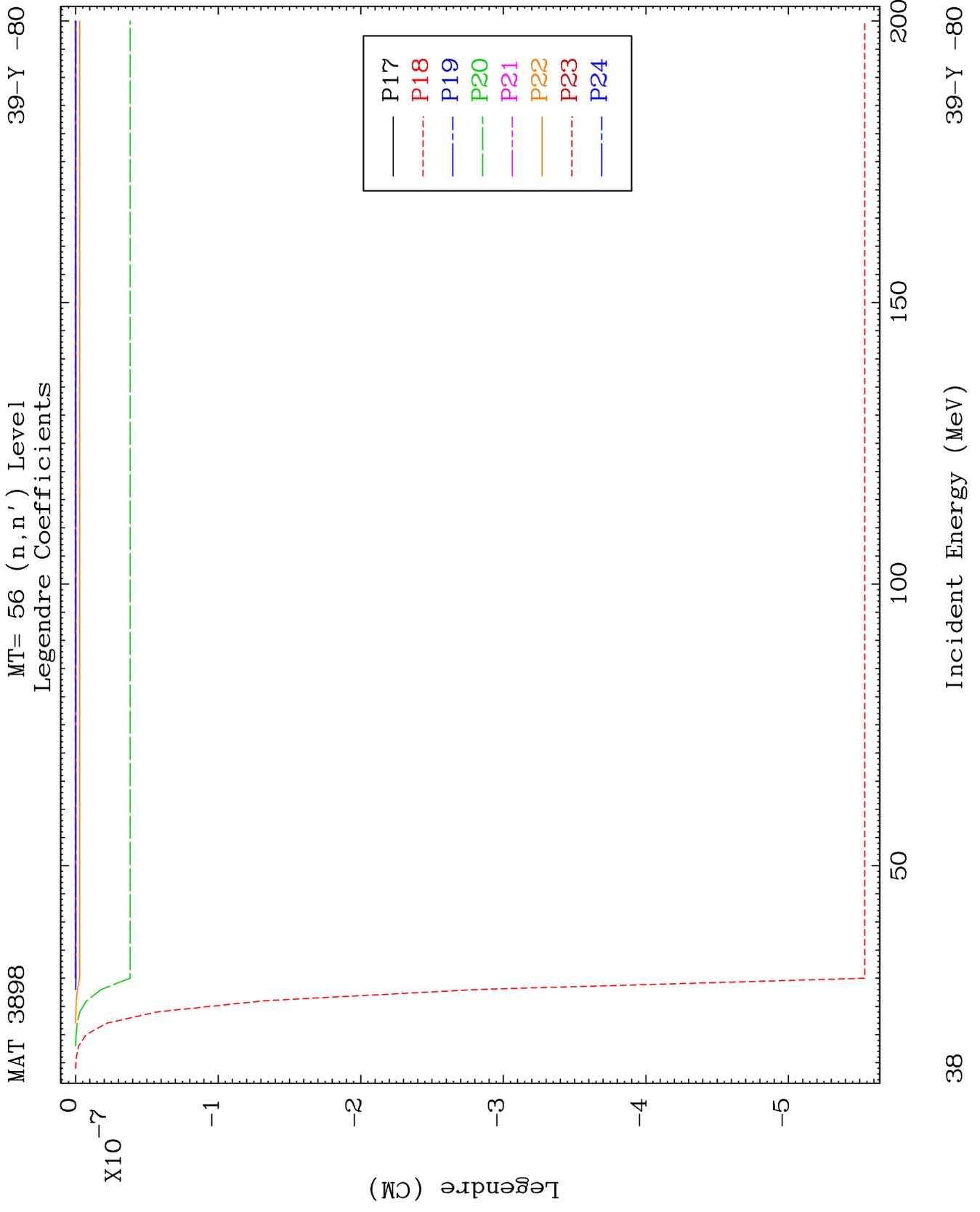
Incident Energy (MeV)

39-Y -80





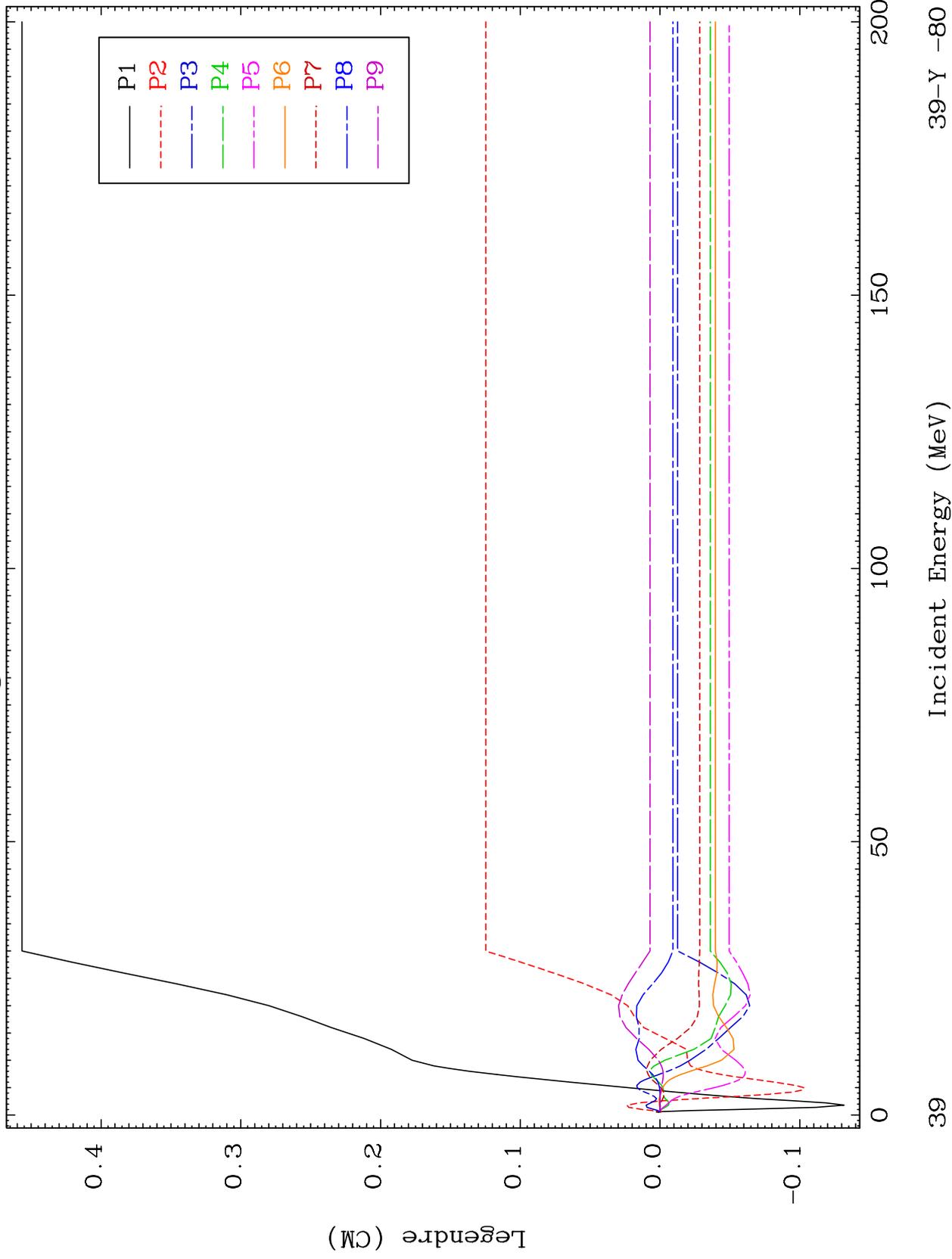




MAT 3898

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

39-Y -80

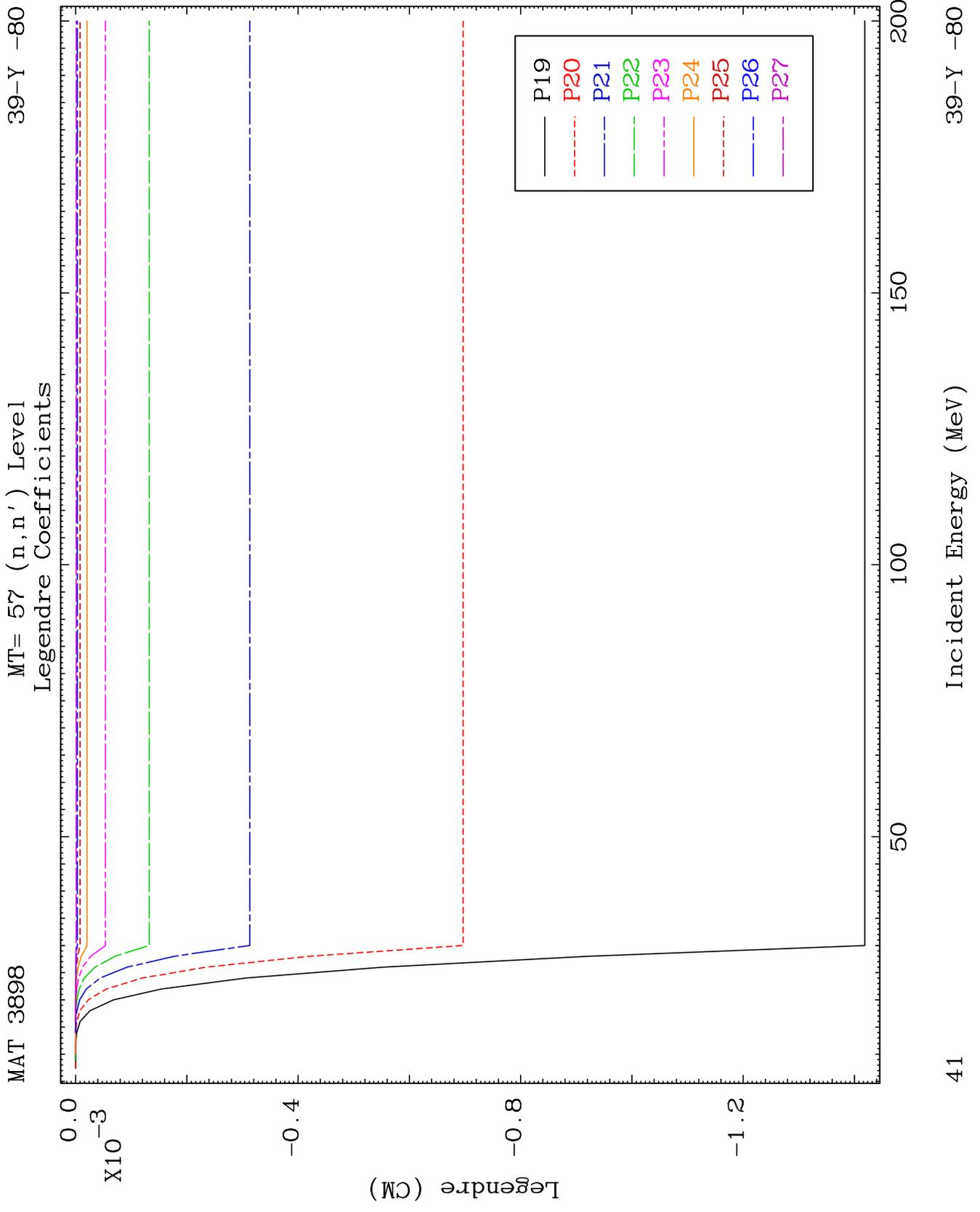


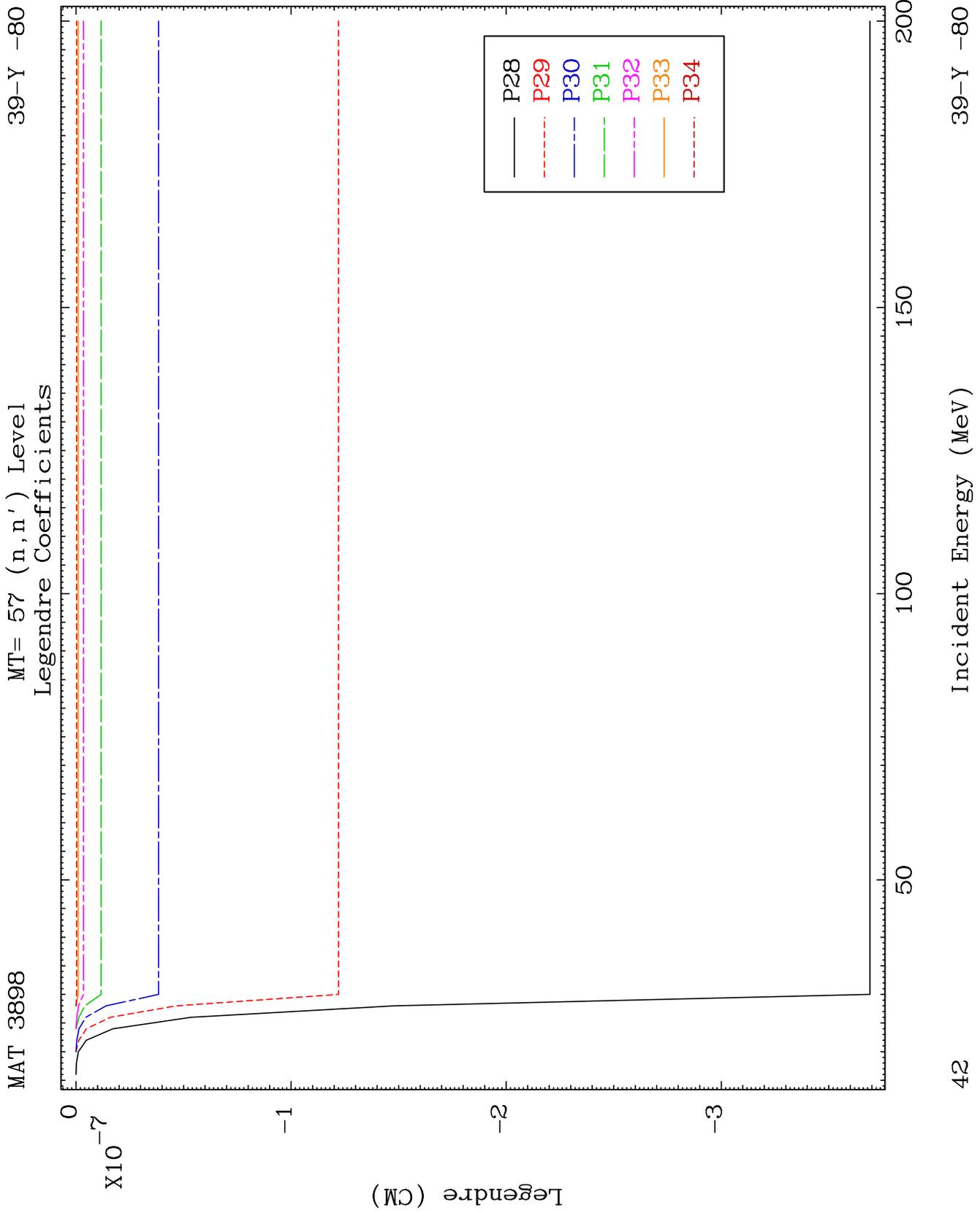
39-Y -80

Incident Energy (MeV)

39



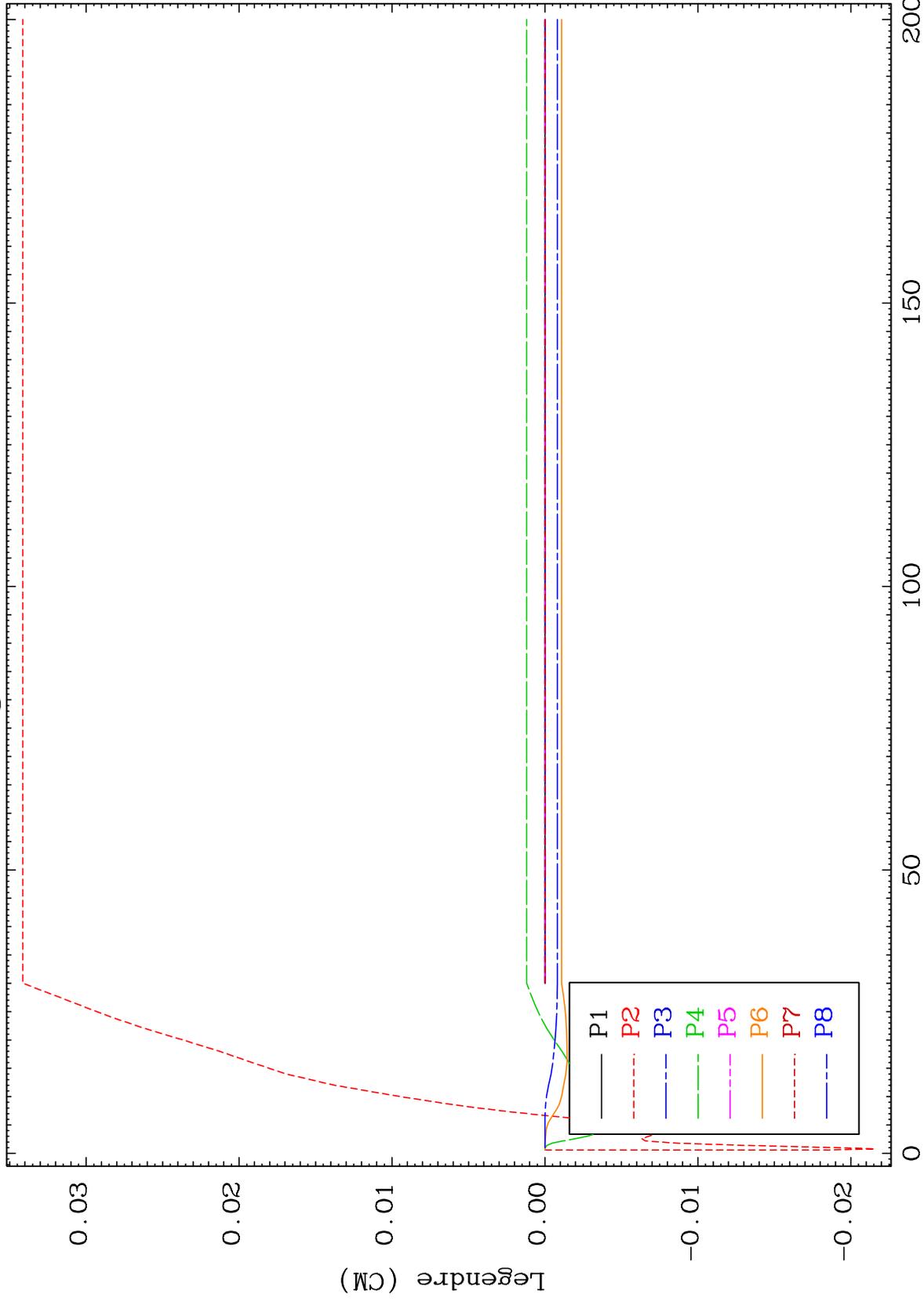




MAT 3898

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

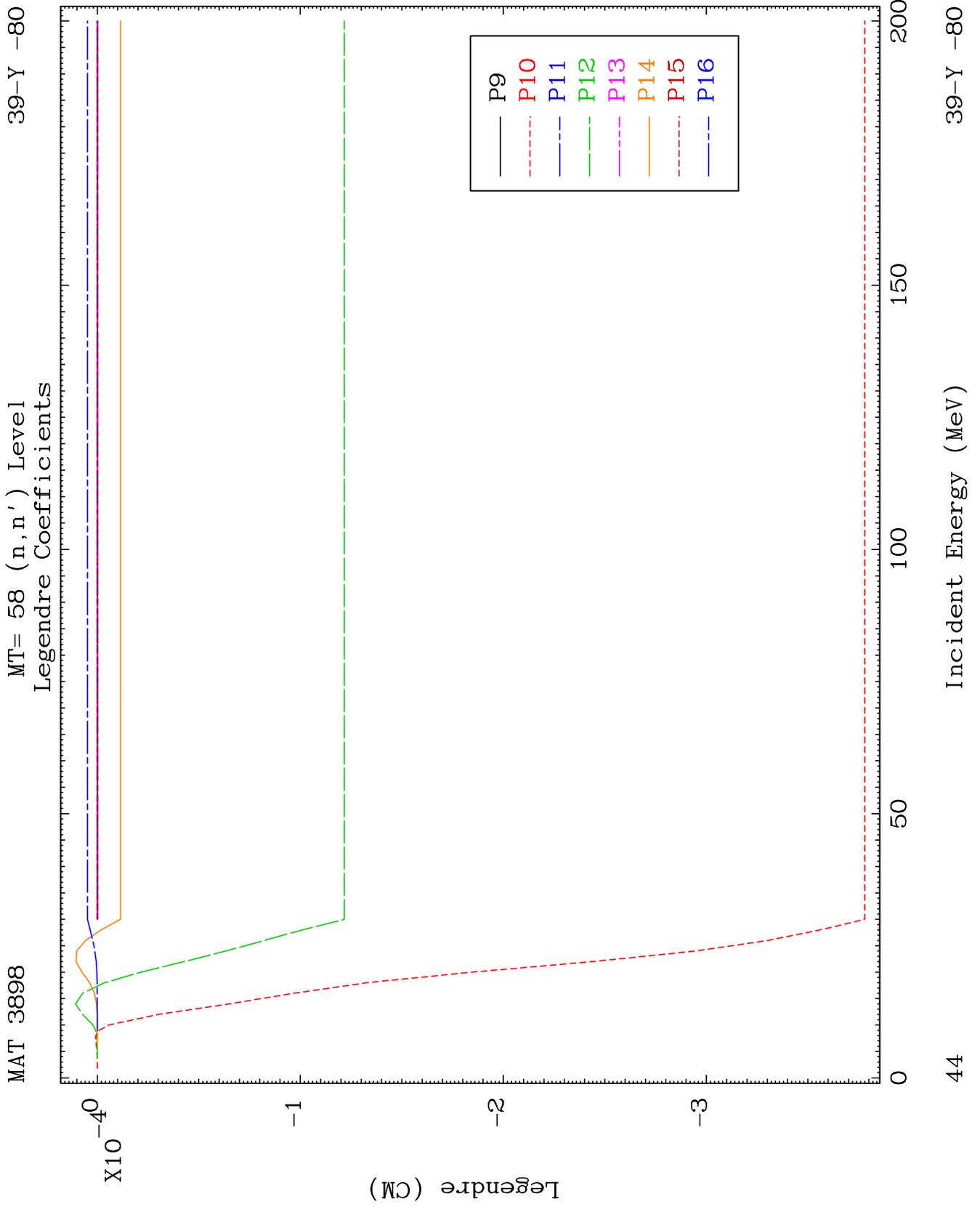
39-Y -80



Incident Energy (MeV)

39-Y -80

43



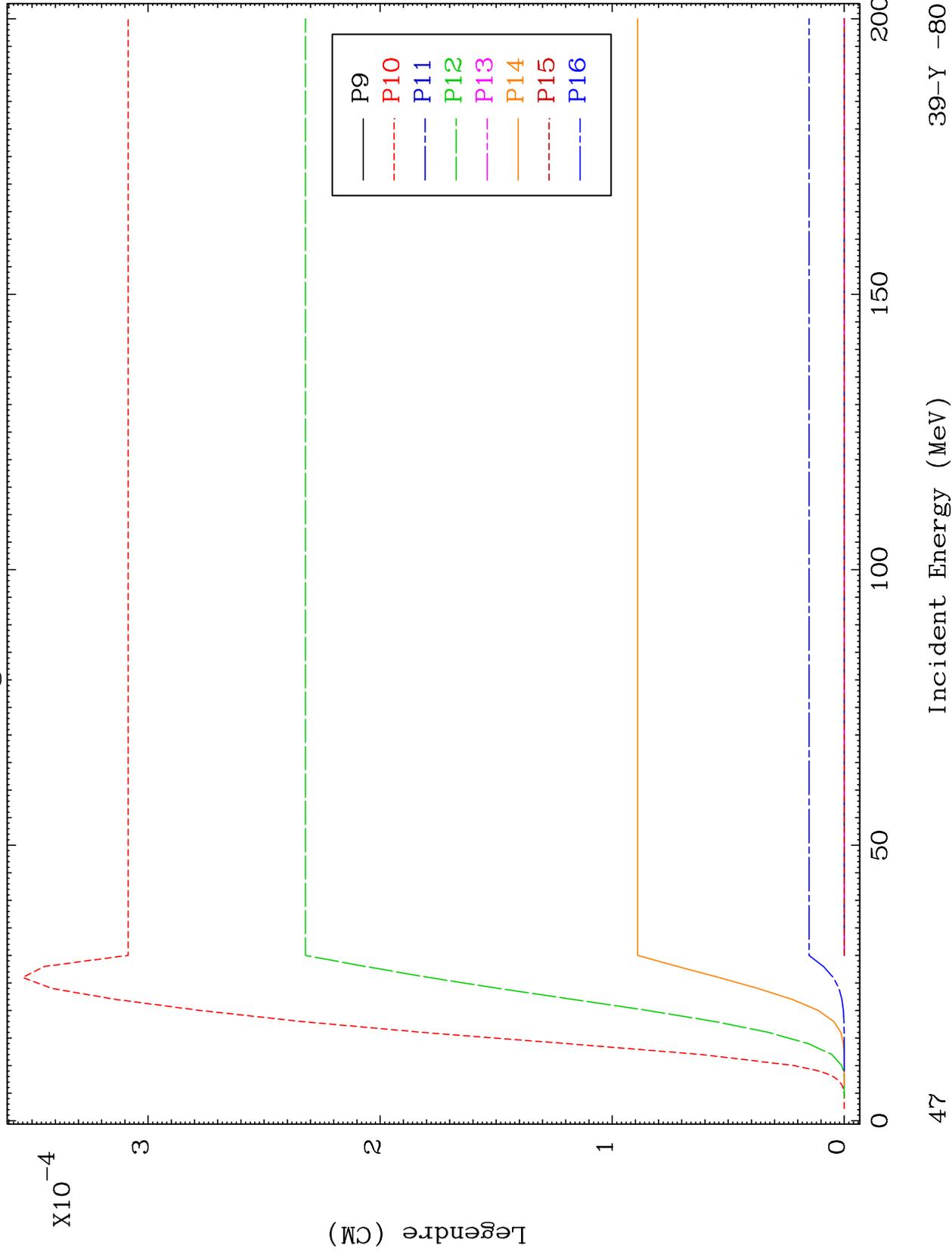


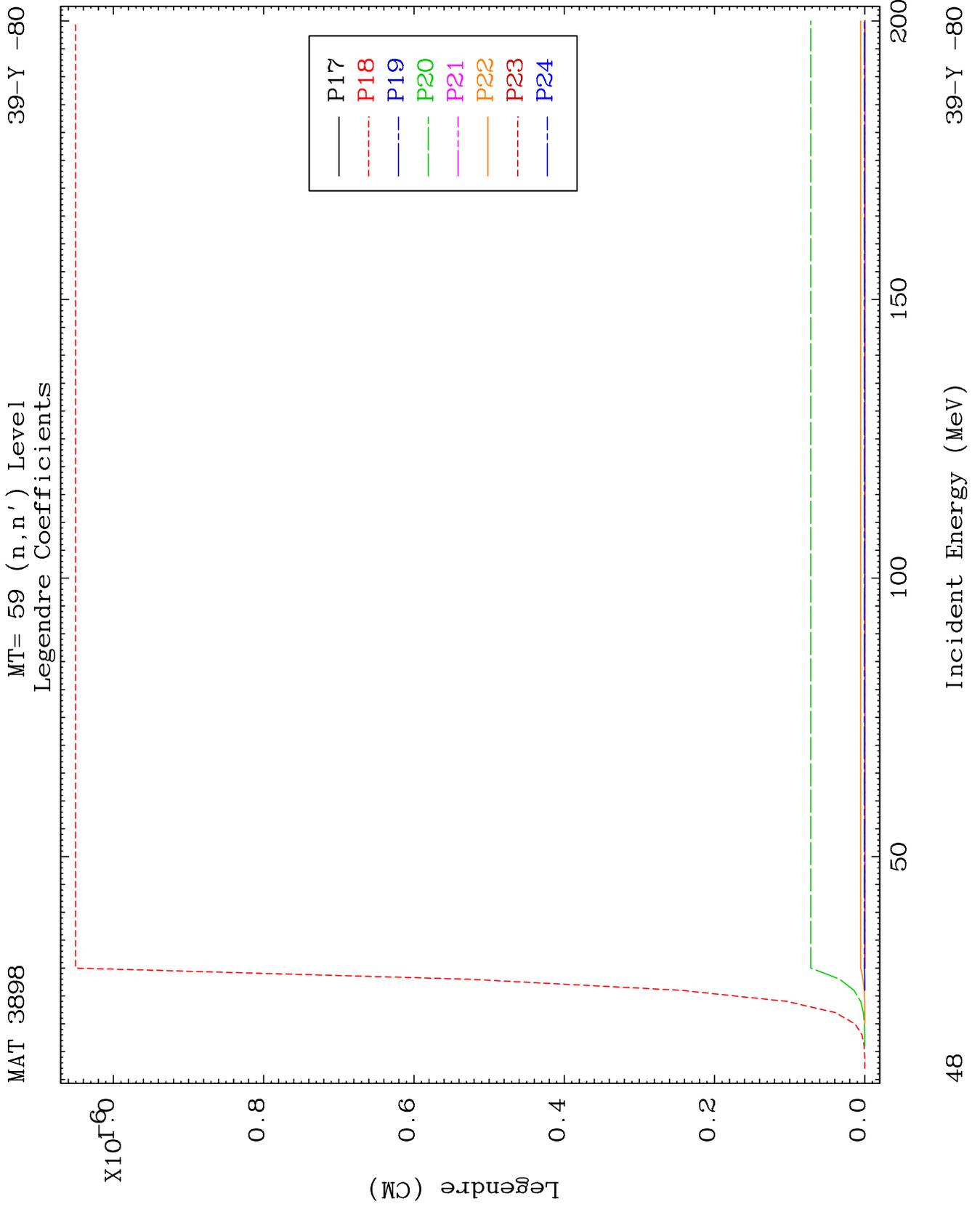


MAT 3898

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

39-Y -80

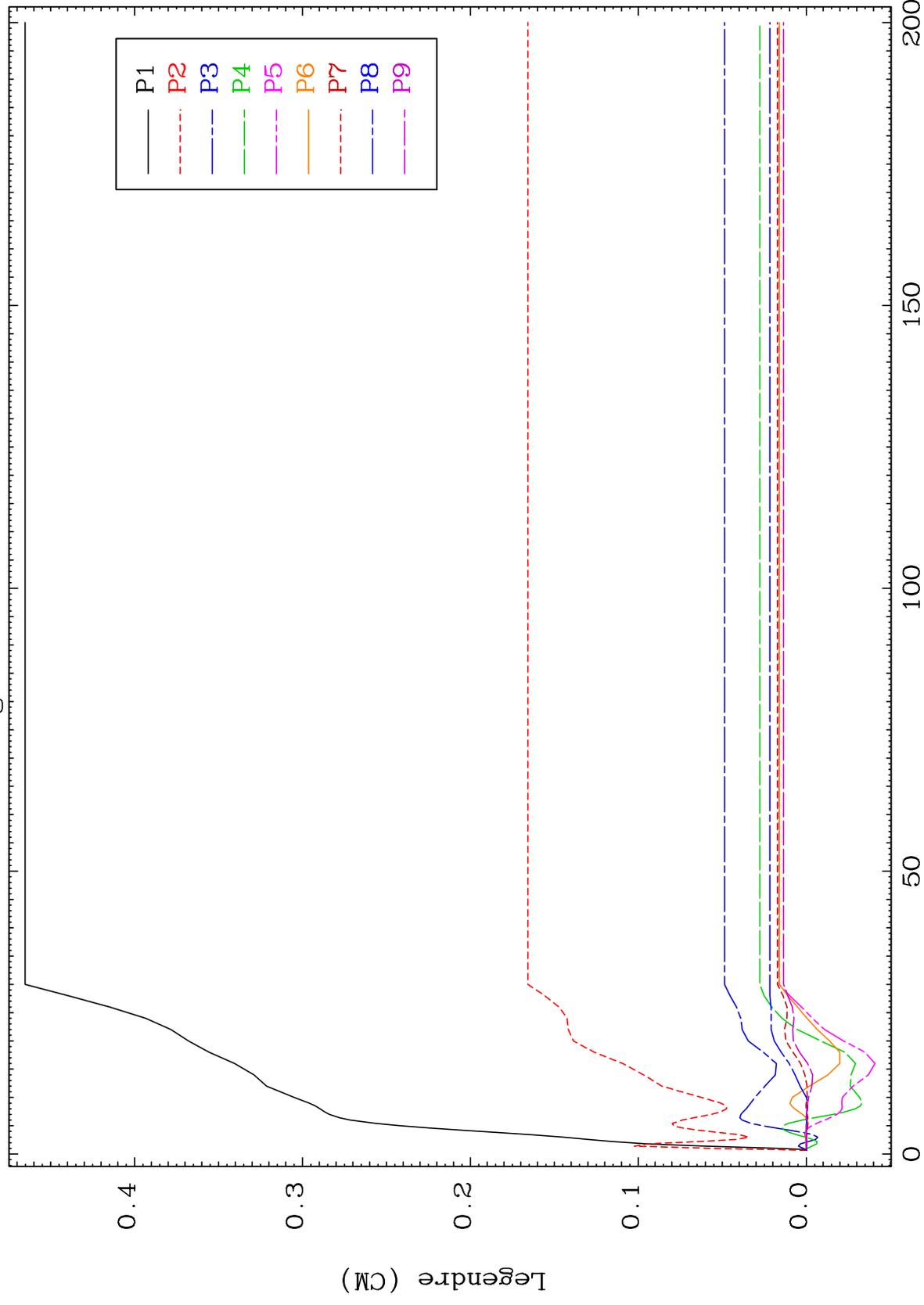




MAT 3898

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

39-Y -80



49

Incident Energy (MeV)

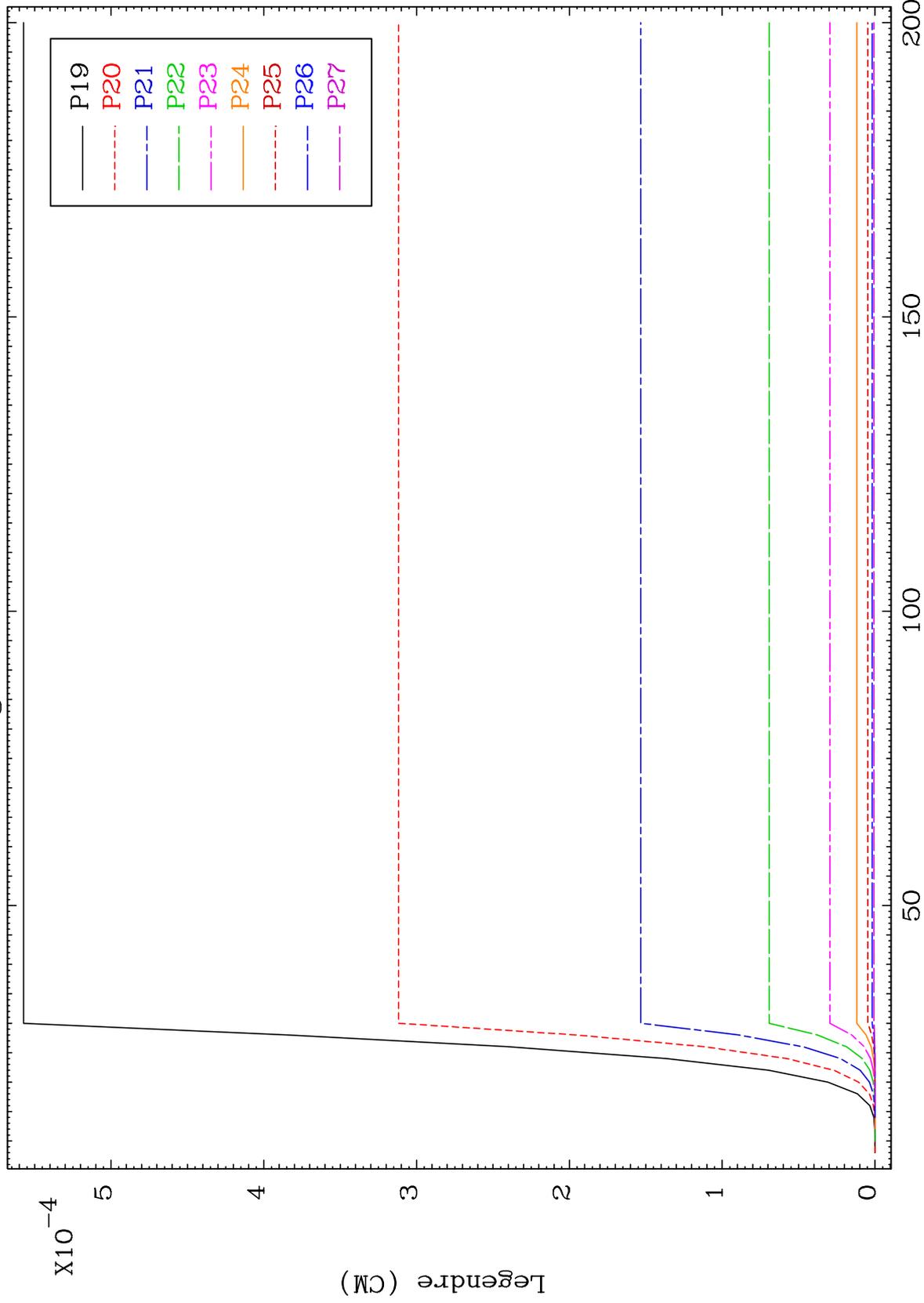
39-Y -80



MAT 3898

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

39-Y -80



51

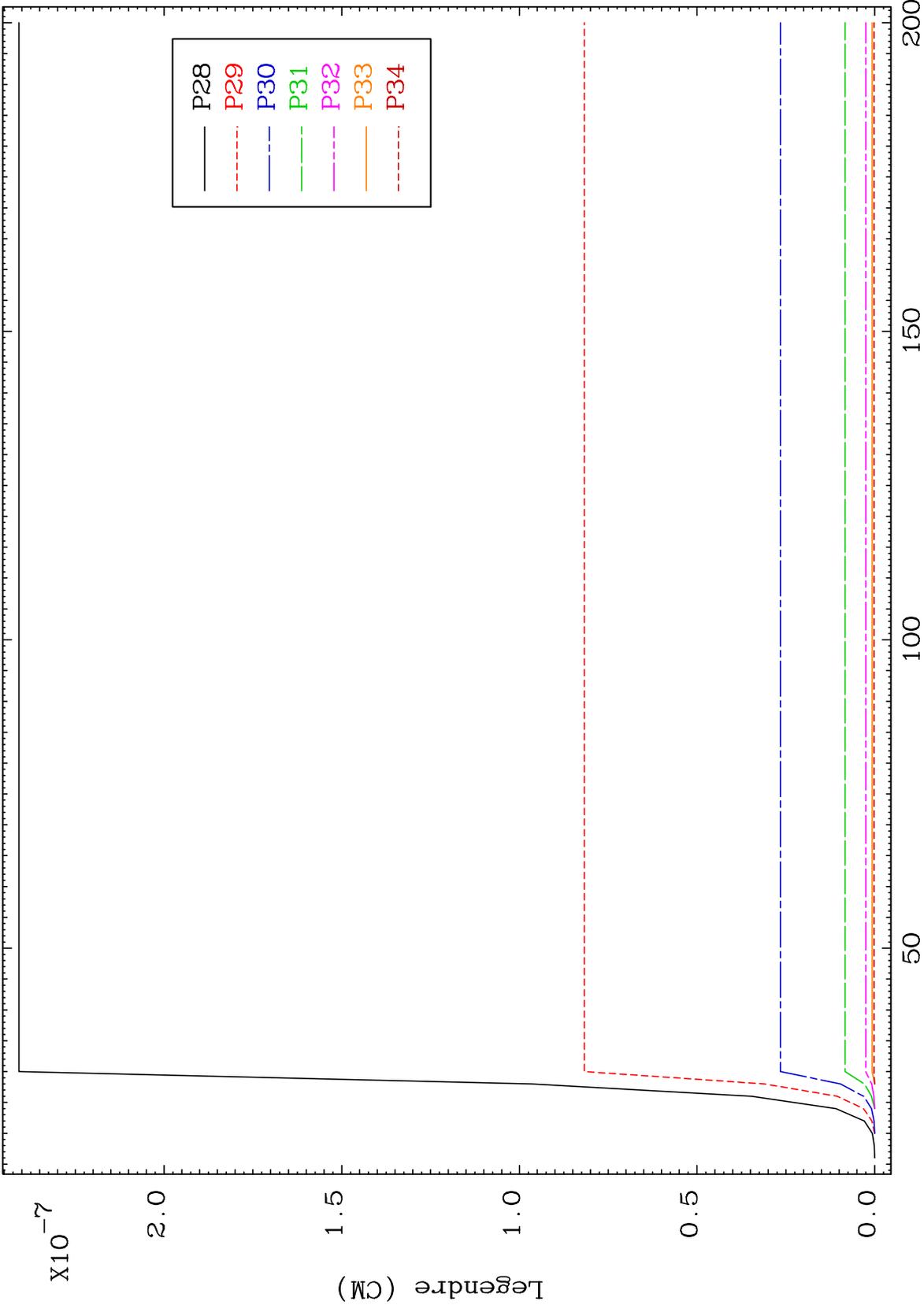
Incident Energy (MeV)

39-Y -80

MAT 3898

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

39-Y -80



52

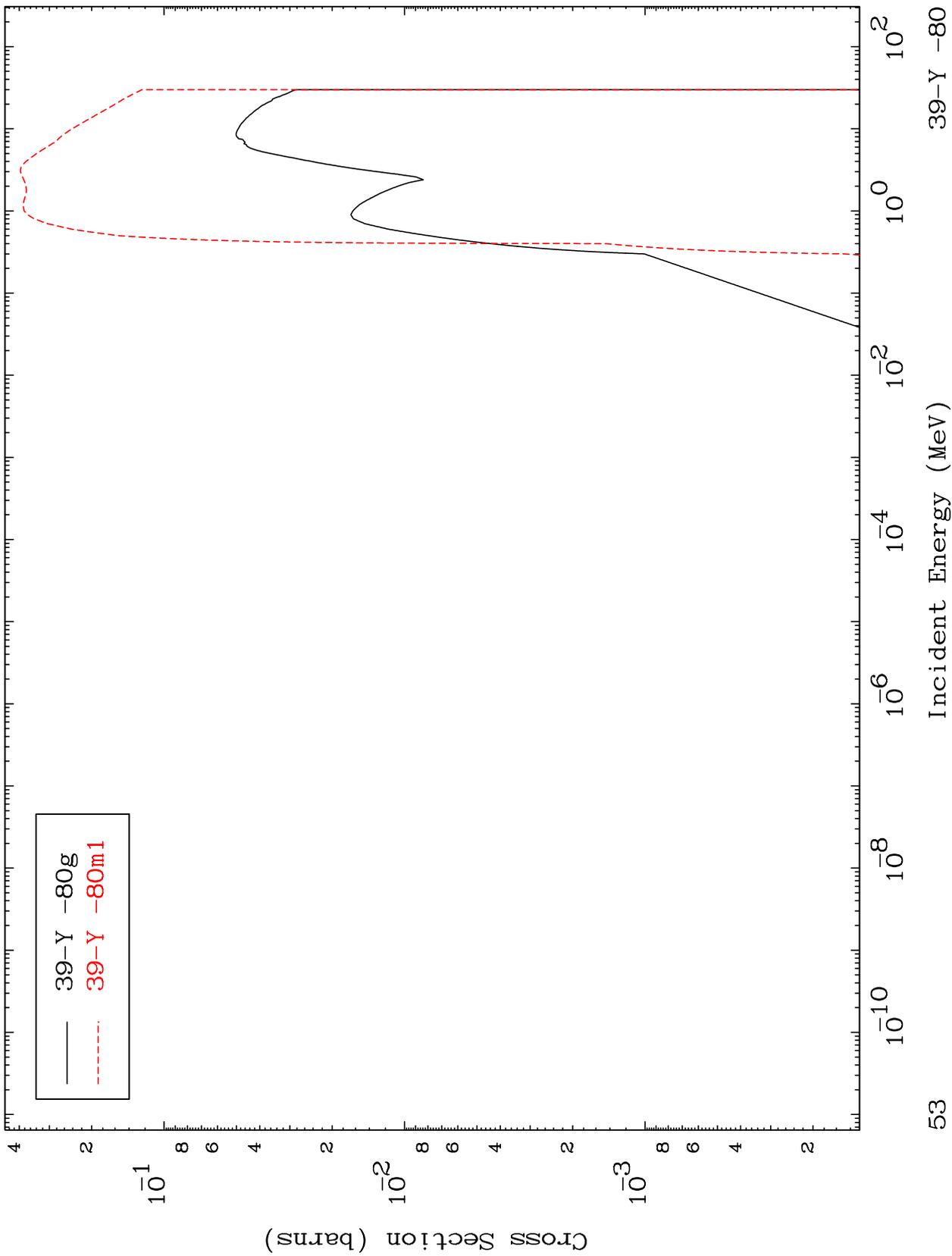
Incident Energy (MeV)

39-Y -80

MAT 3898

39-Y -80

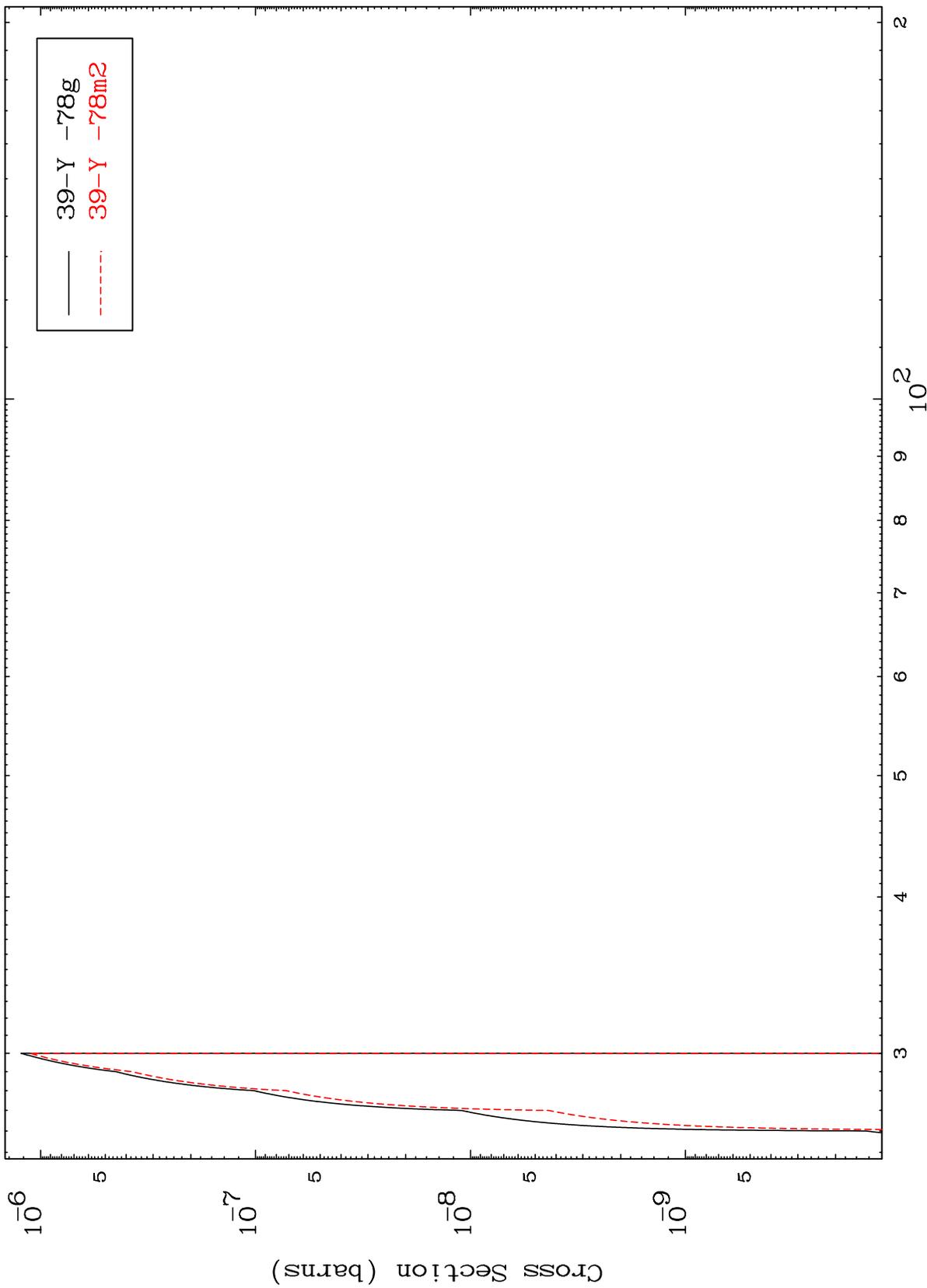
Inelastic  
Radionuclide Production Cross Section



MAT 3898

39-Y -80

(n,3n)  
Radionuclide Production Cross Section



39-Y -78g  
39-Y -78m2

54

Incident Energy (MeV)

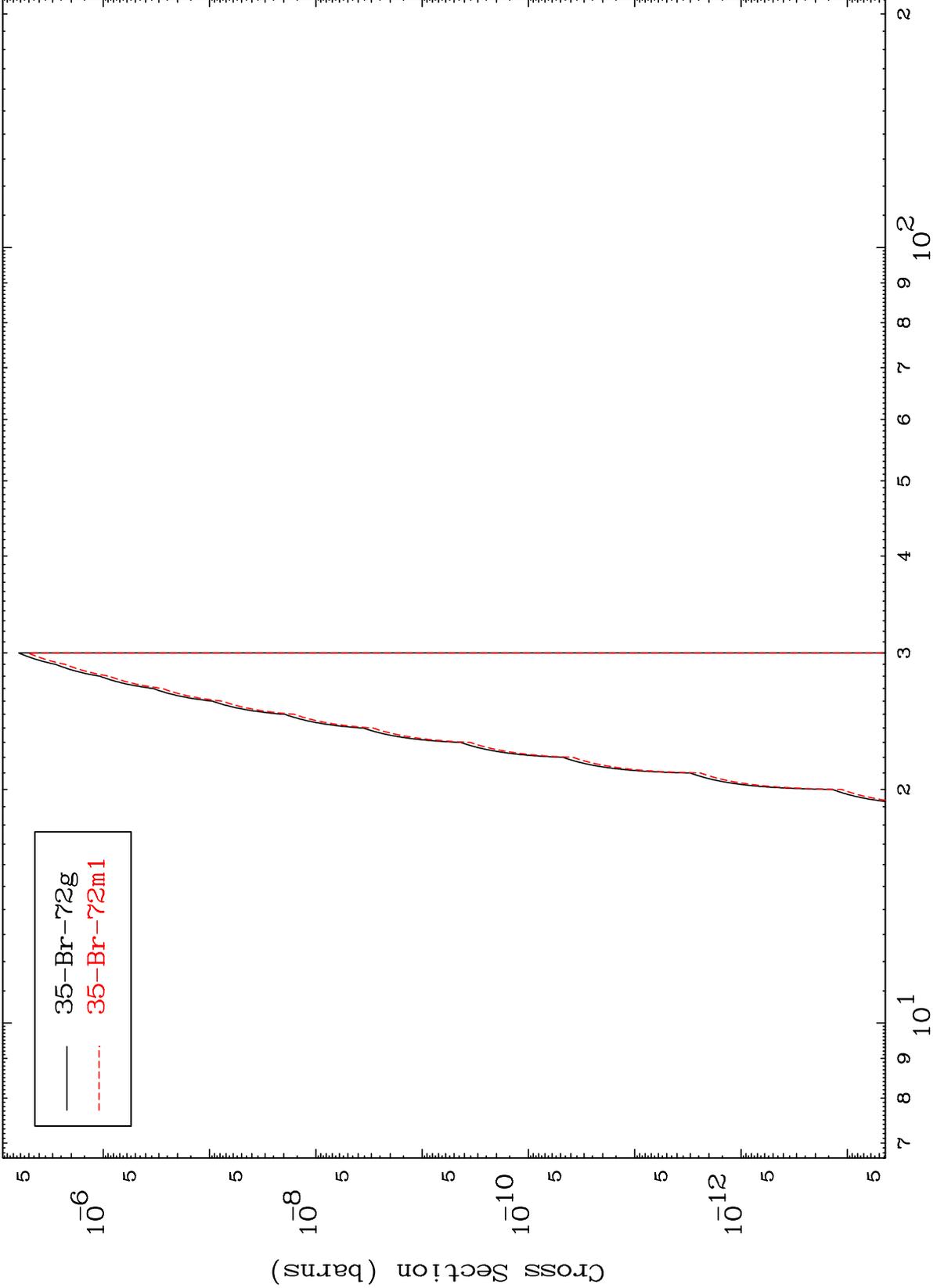
39-Y -80

MAT 3898

(n,n') 2α

39-Y -80

Radionuclide Production Cross Section



35-Br-72g  
35-Br-72m1

55

Incident Energy (MeV)

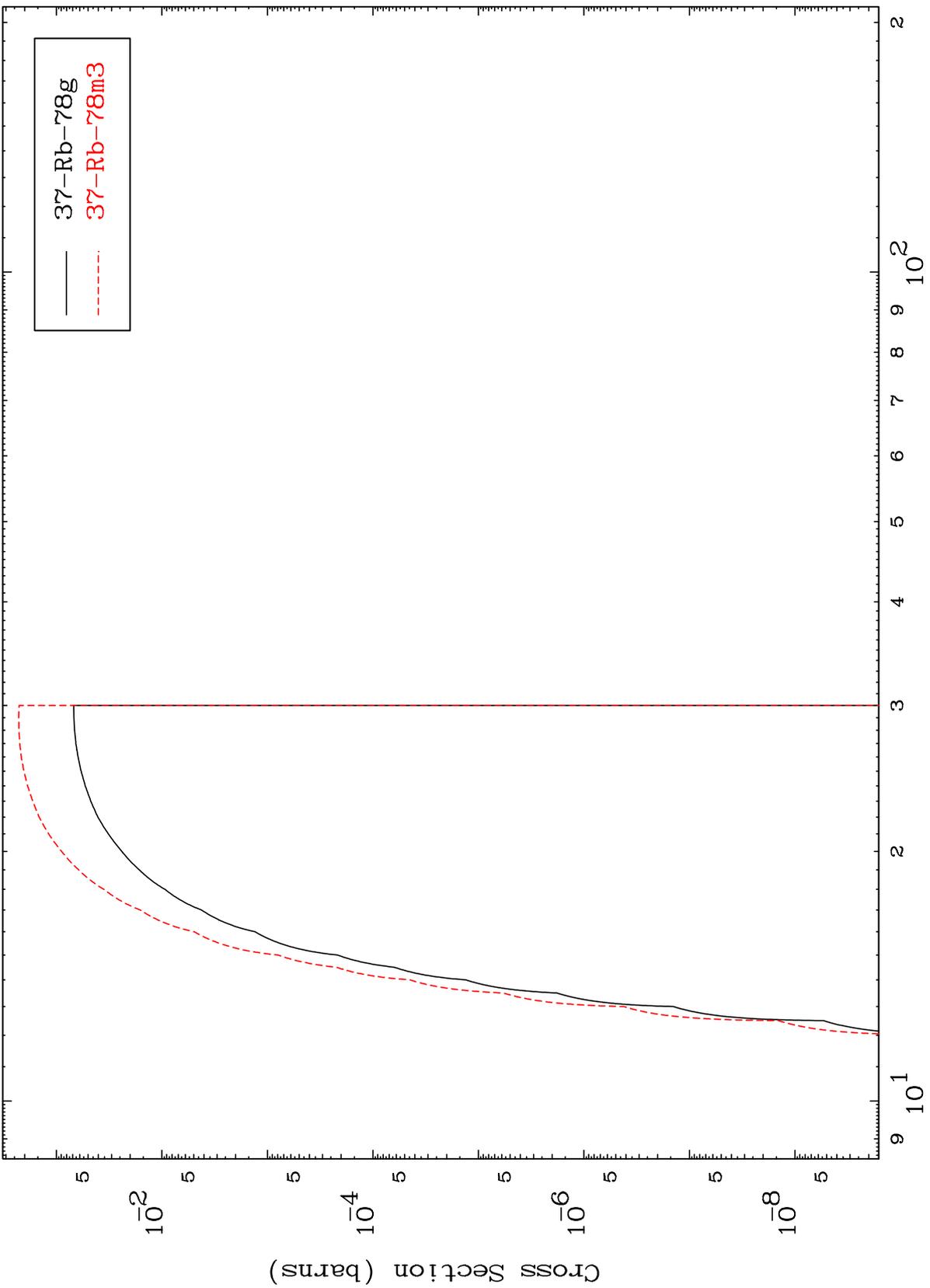
39-Y -80

MAT 3898

(n,2n) p

39-Y -80

Radionuclide Production Cross Section



56

Incident Energy (MeV)

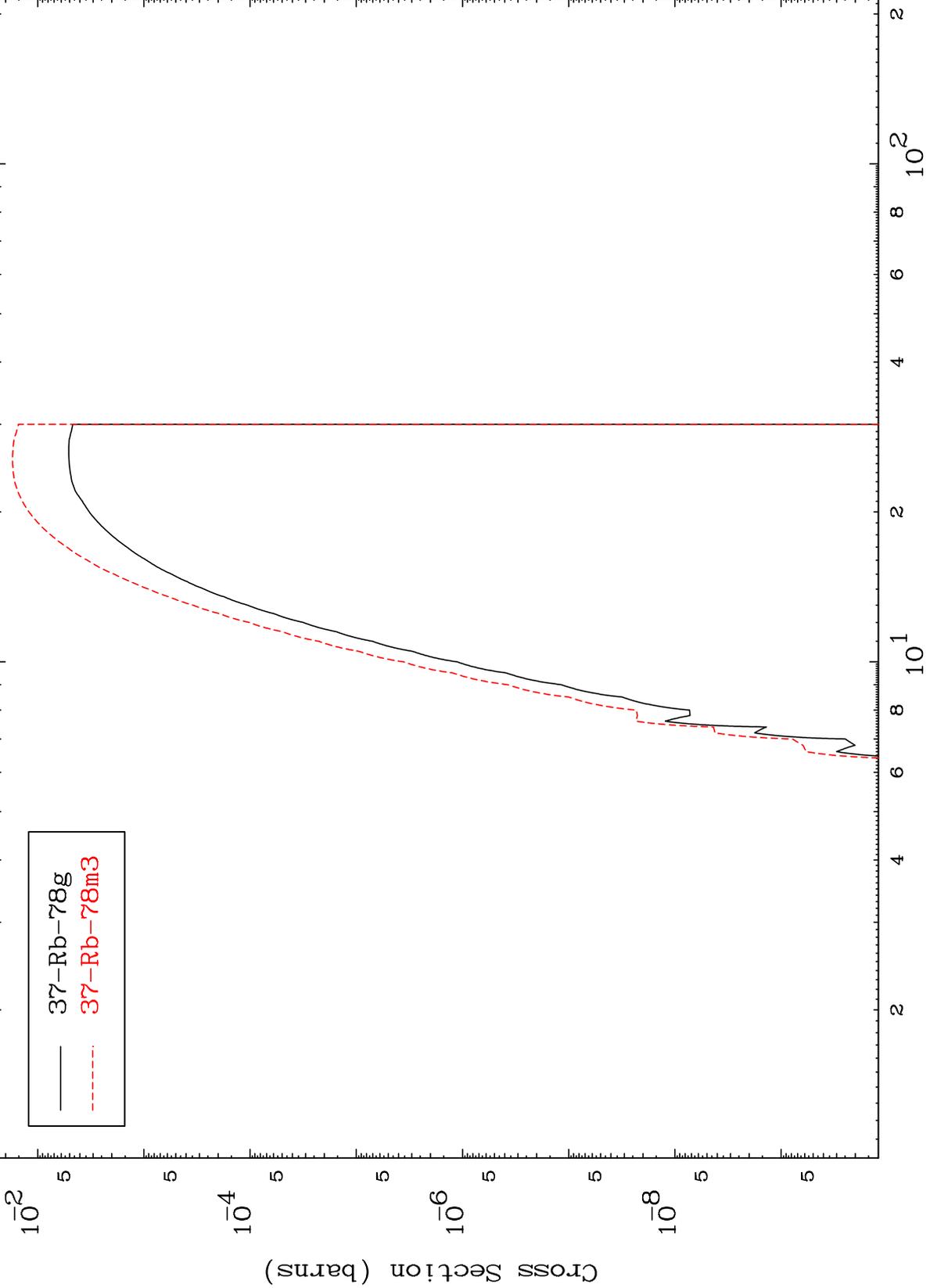
39-Y -80

MAT 3898

(n,He-3)

39-Y -80

Radionuclide Production Cross Section



57

Incident Energy (MeV)

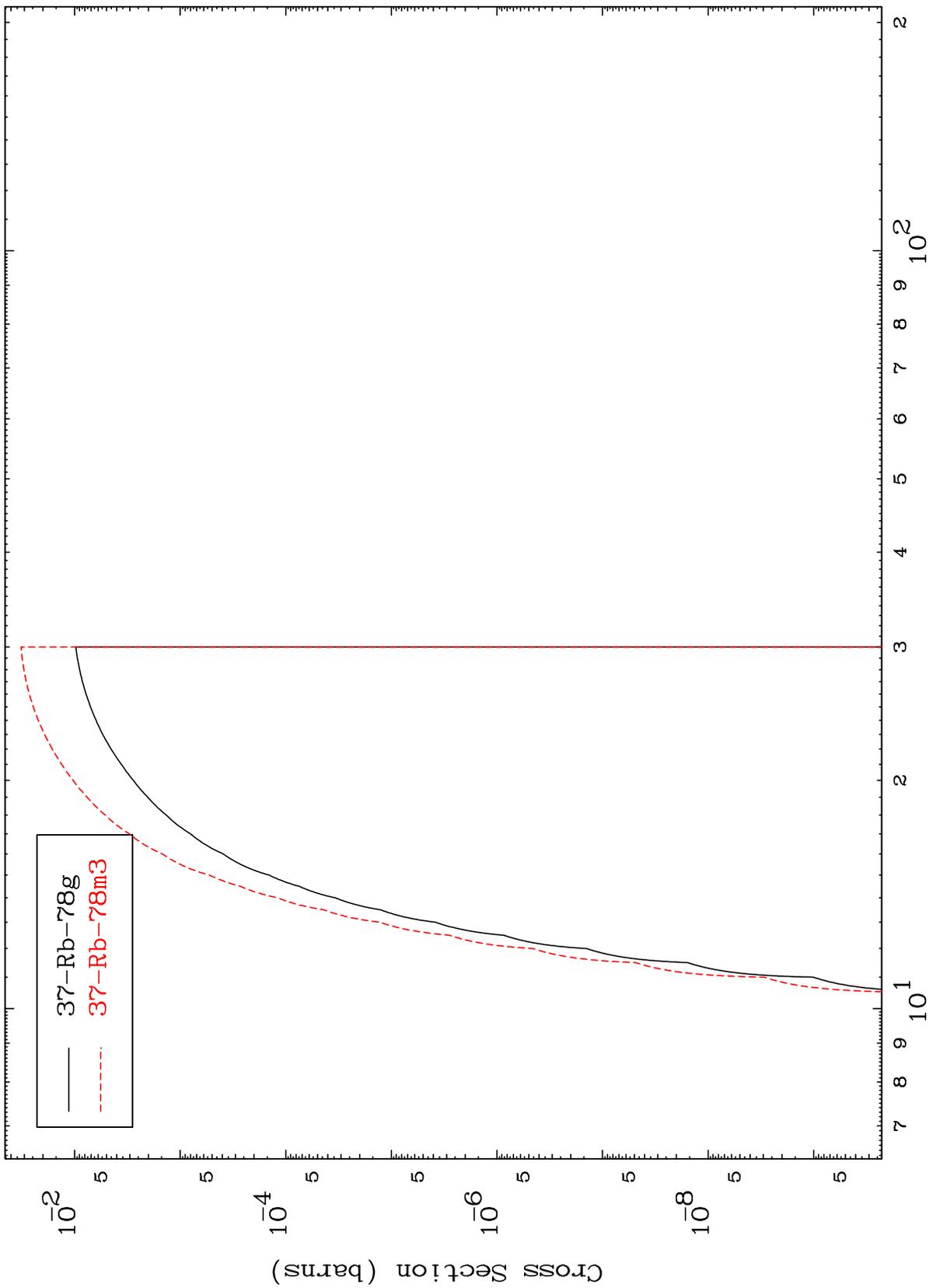
39-Y -80

MAT 3898

(n,p) d

39-Y -80

Radionuclide Production Cross Section



— 37-Rb-78g  
- - - 37-Rb-78m3

58

Incident Energy (MeV)

39-Y -80