

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  
Web:redcullen1.net/HOMEPAGE.NEW

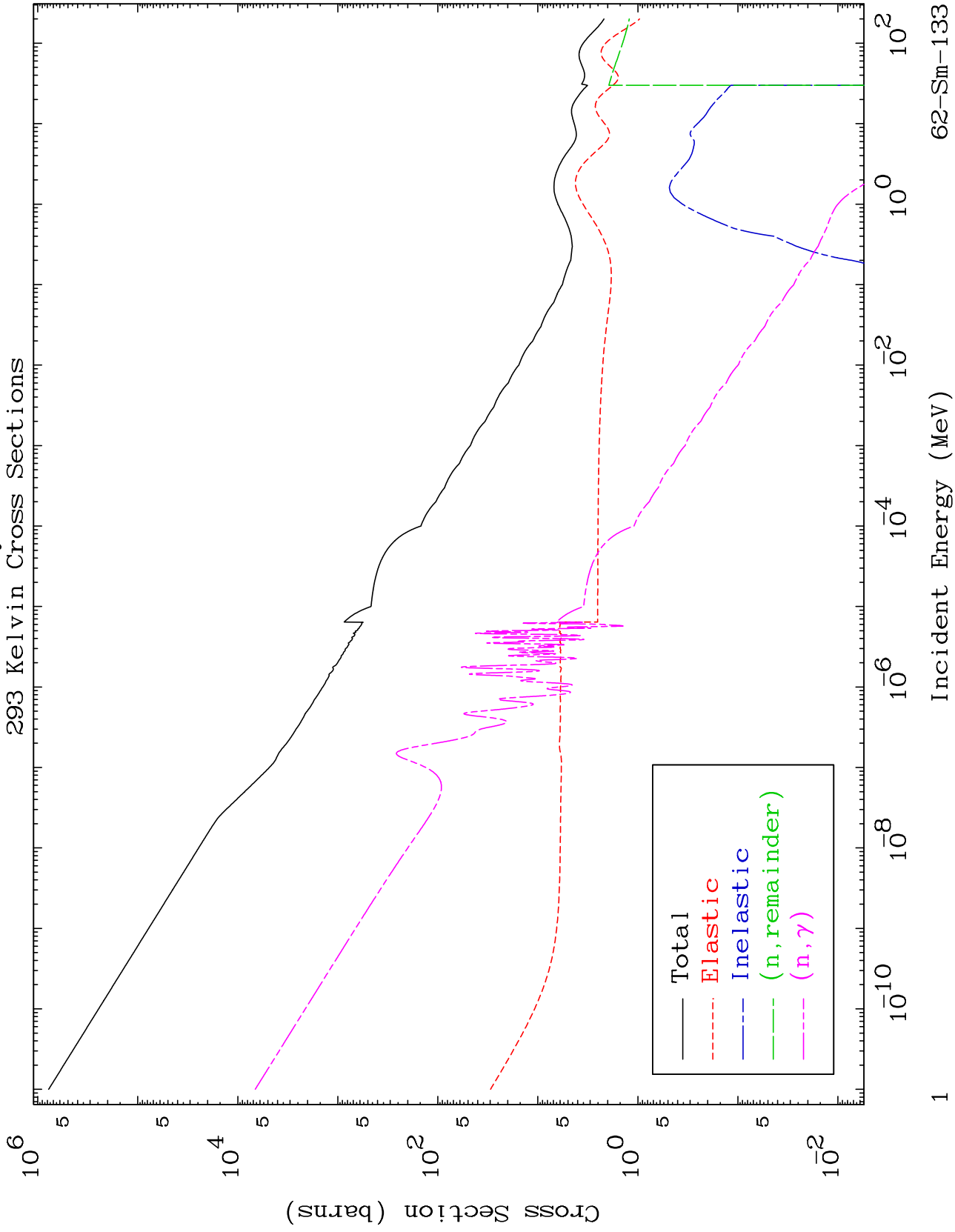
Press Mouse Button to Start

MAT 6192

Major

293 Kelvin Cross Sections

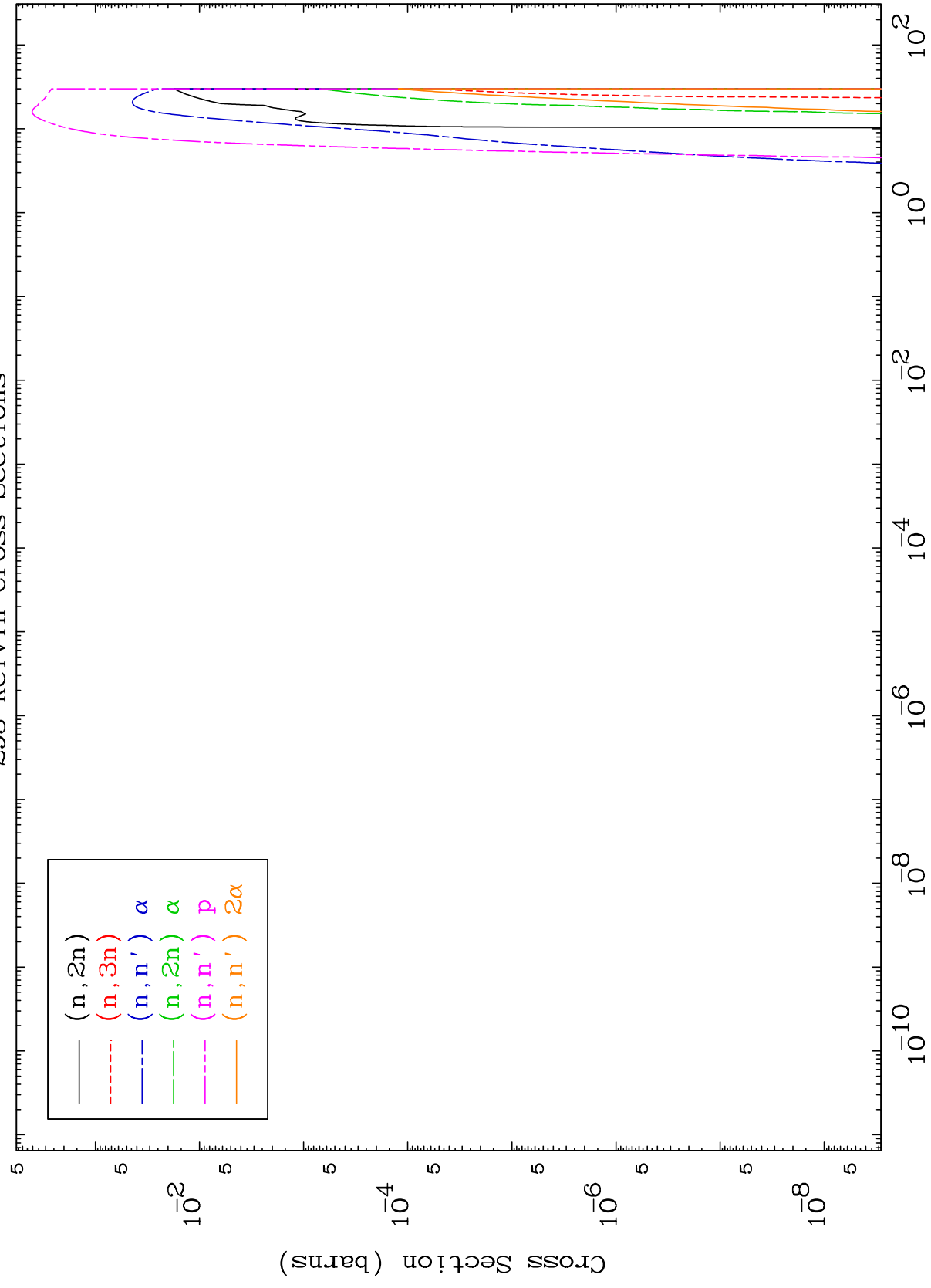
62-Sm-133

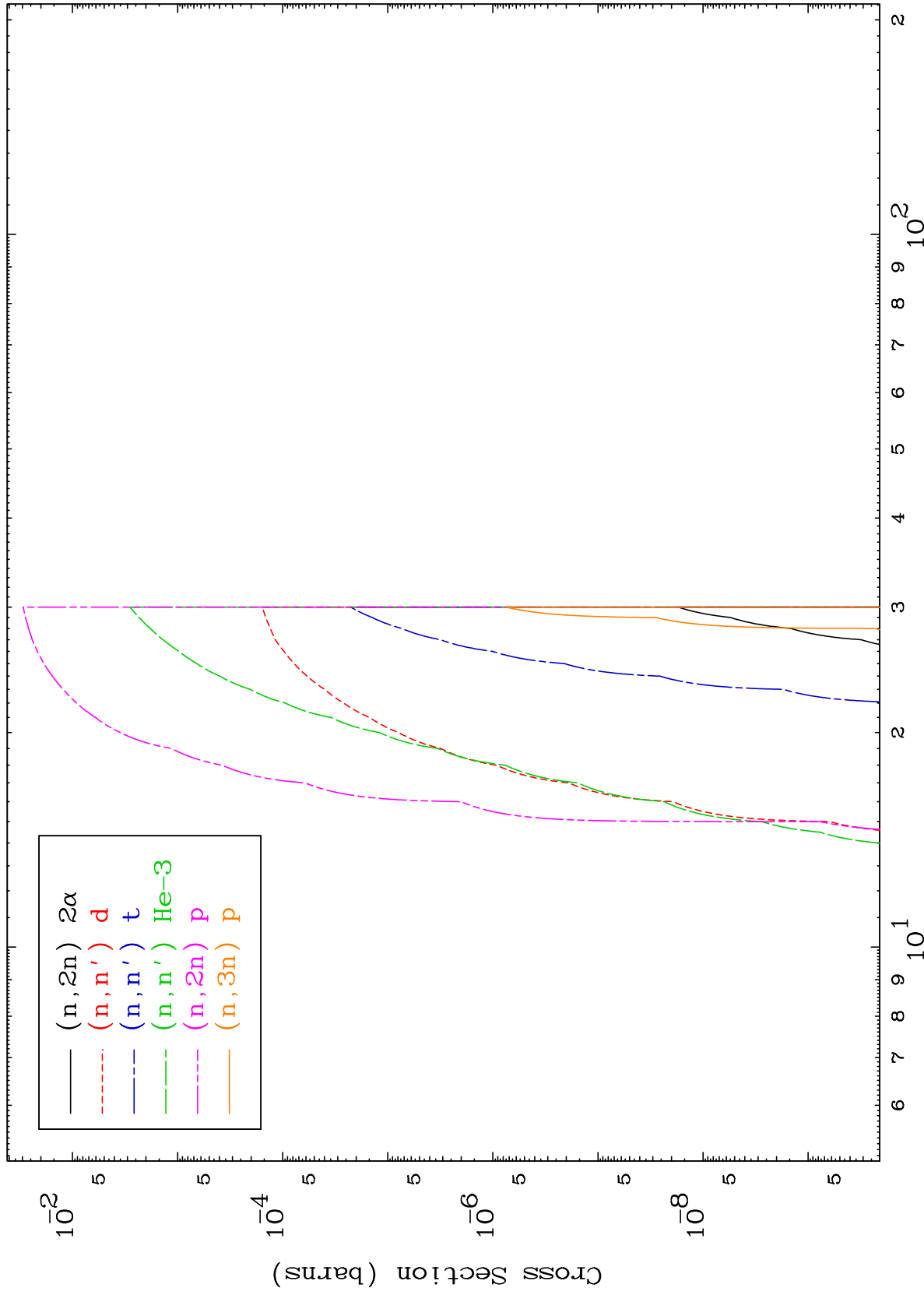


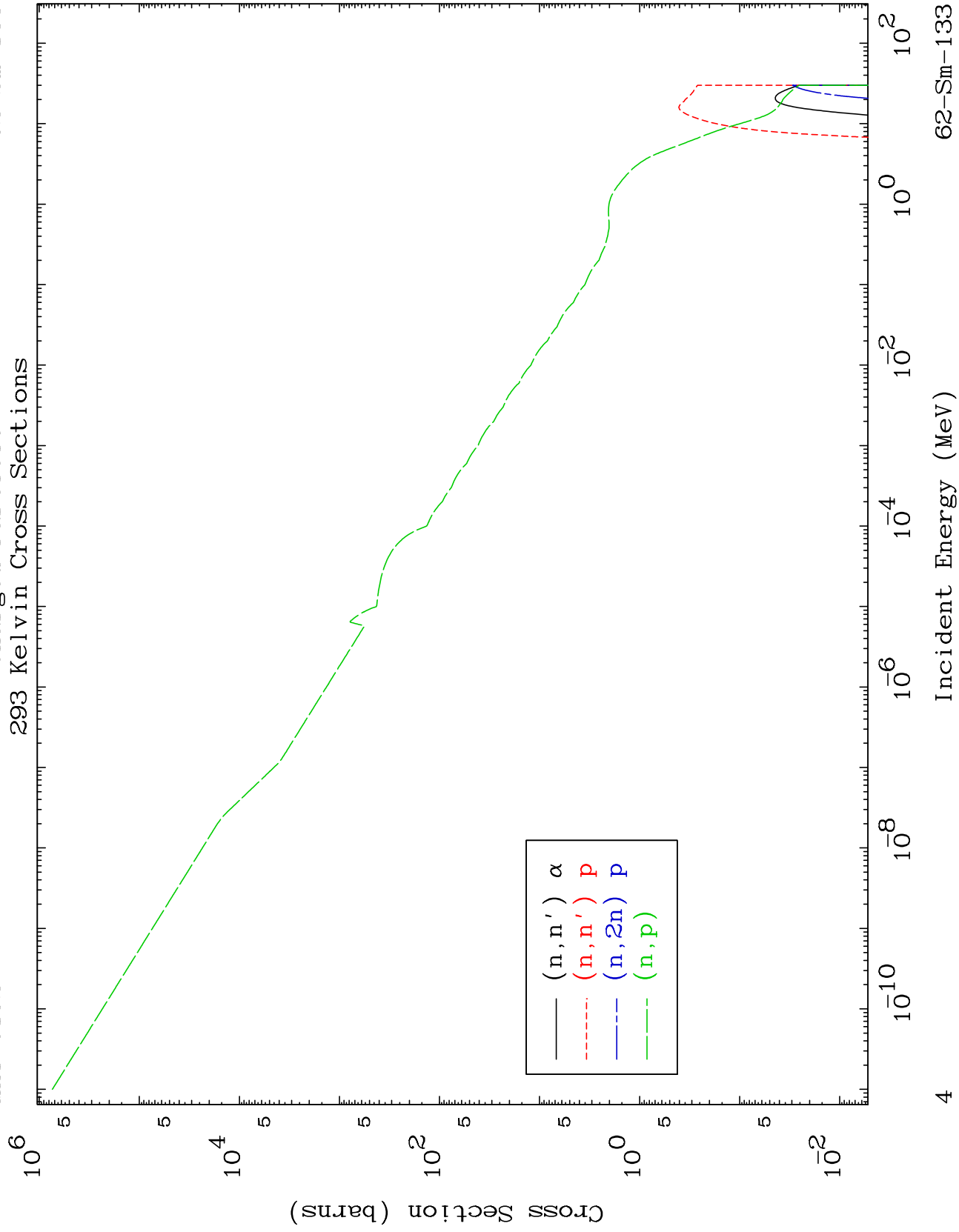
MAT 6192

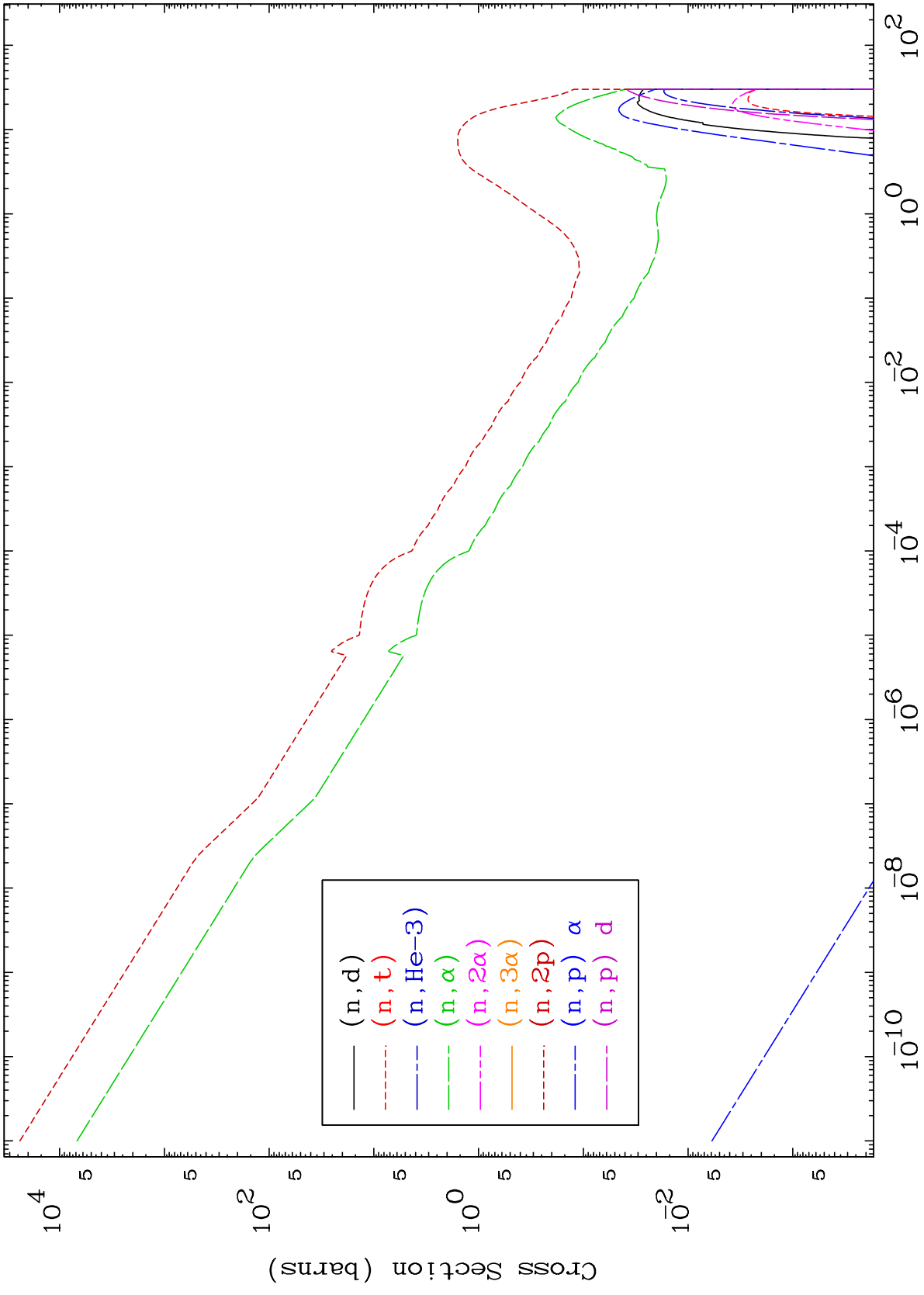
Neutron Production  
293 Kelvin Cross Sections

62-Sm-133





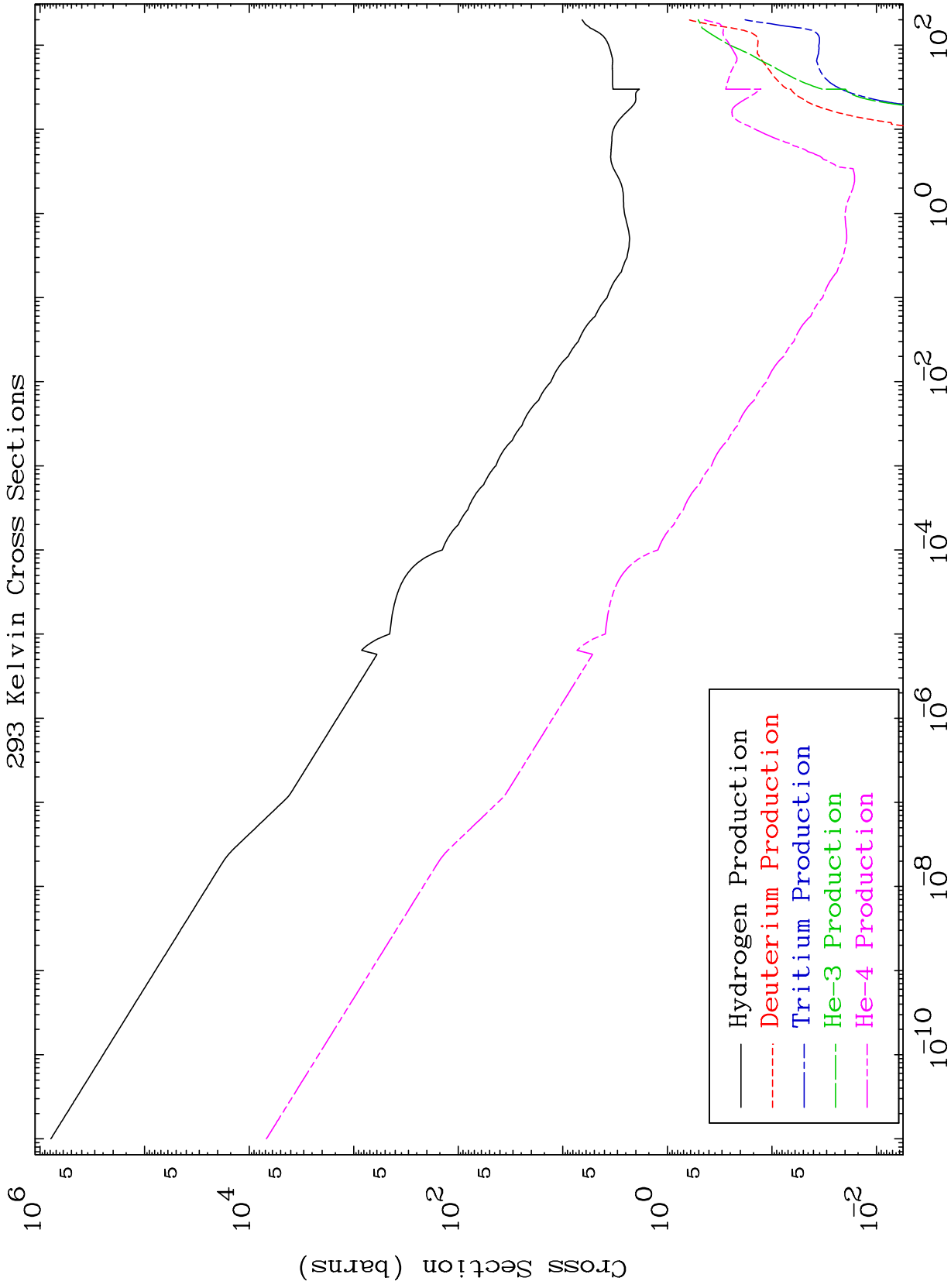




MAT 6192

Particle Production  
293 Kelvin Cross Sections

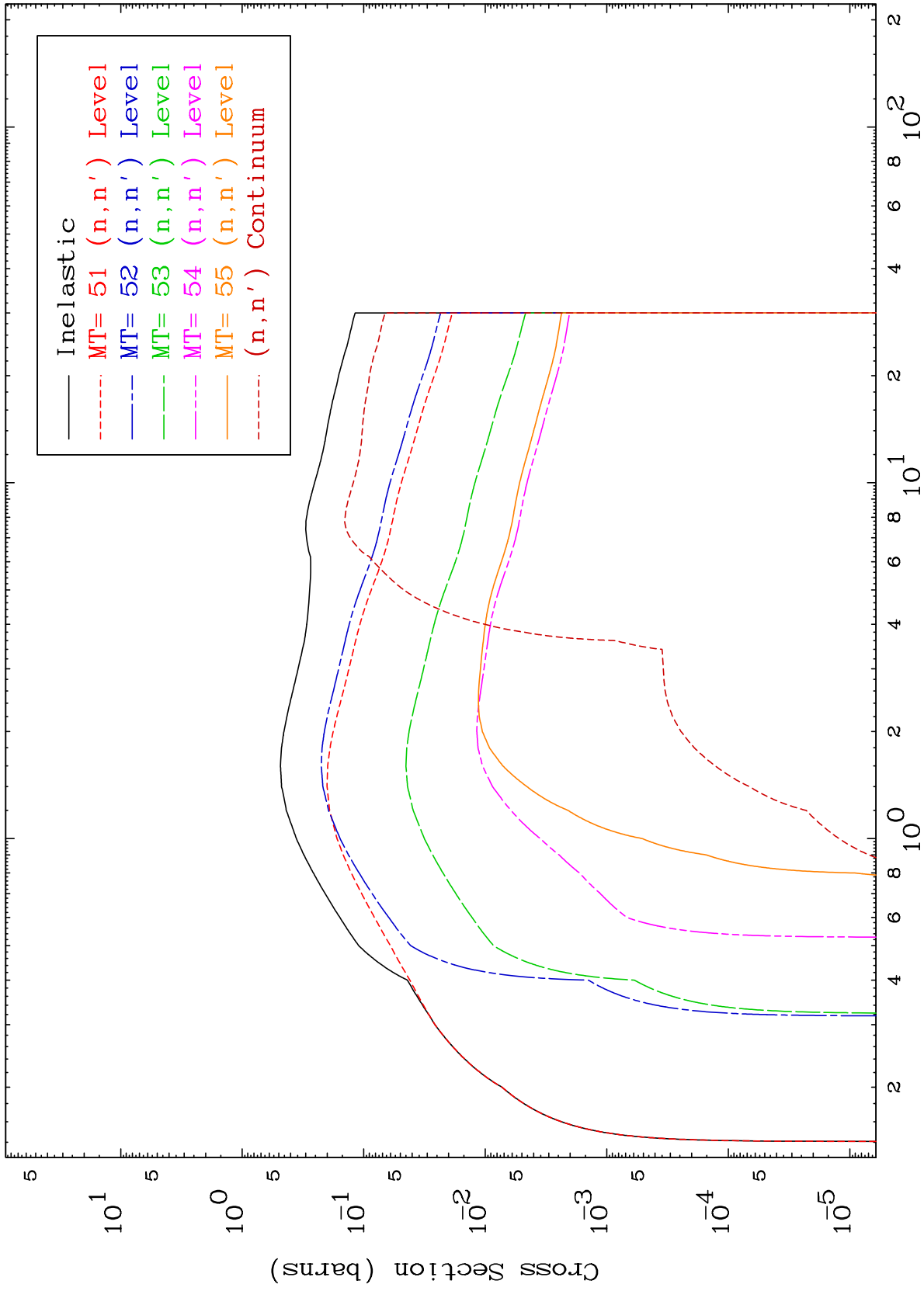
62-Sm-133



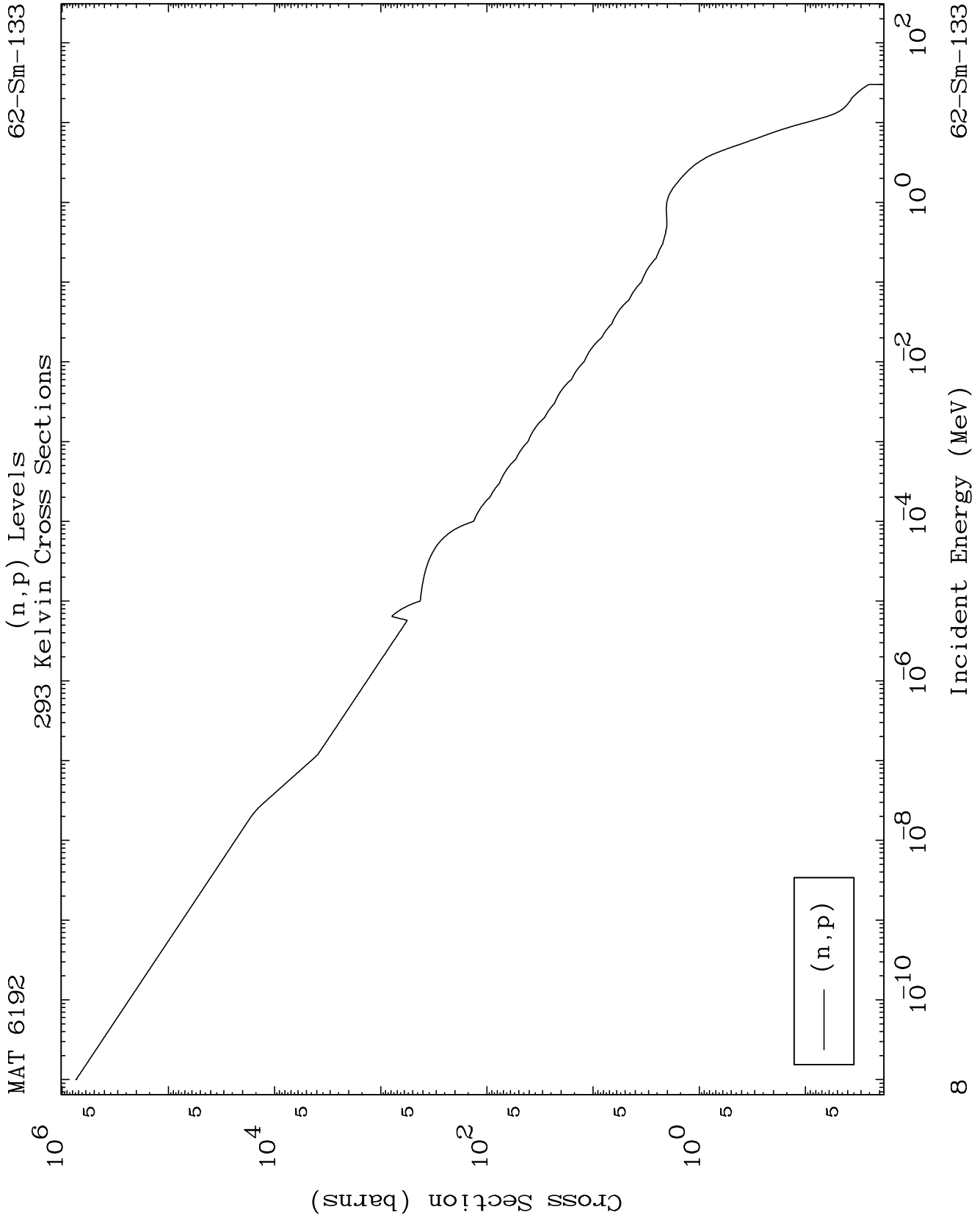
6

Incident Energy (MeV)

62-Sm-133



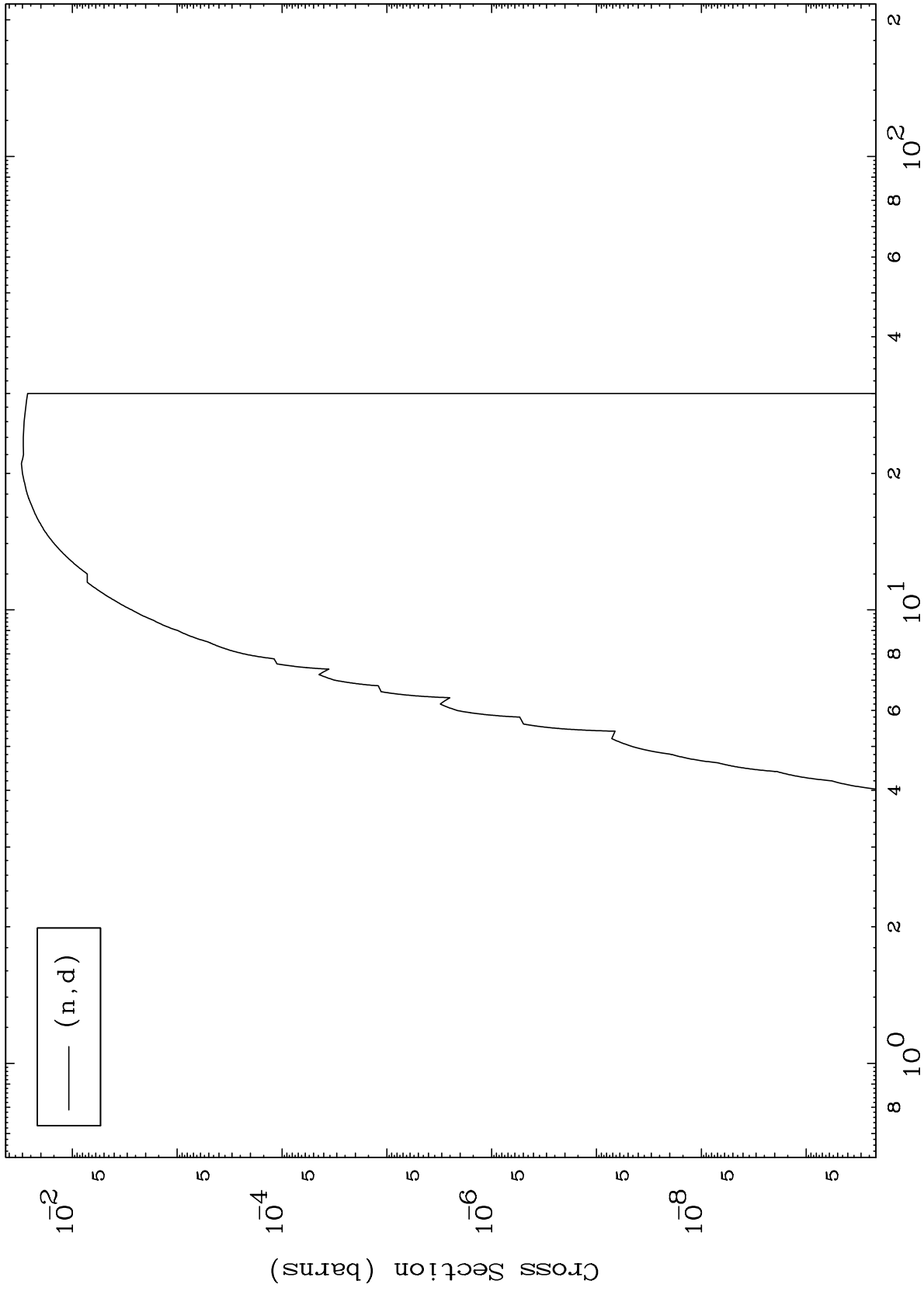




MAT 6192

(n,d) Levels  
293 Kelvin Cross Sections

62-Sm-133



9

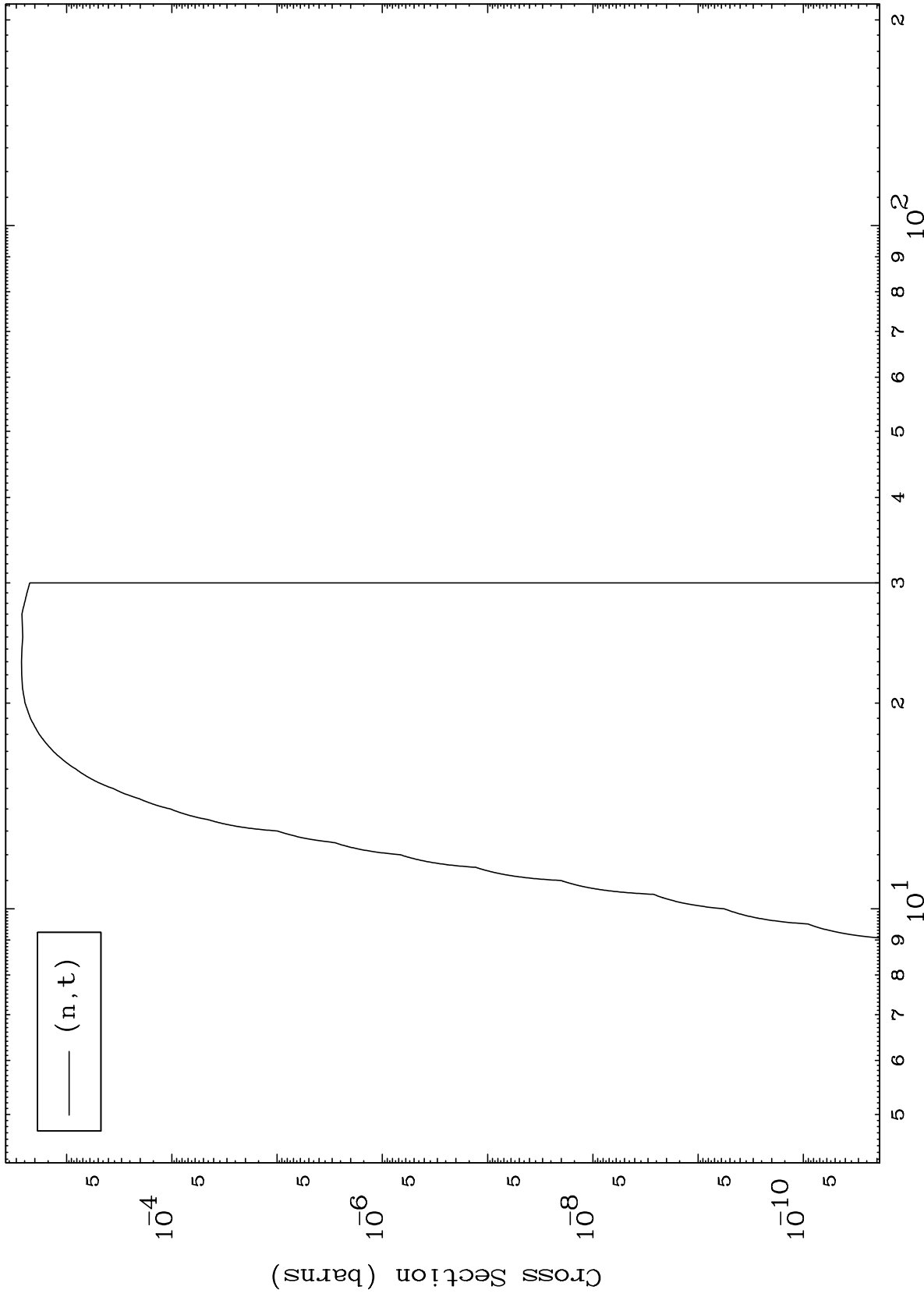
Incident Energy (MeV)

62-Sm-133

MAT 6192

(n,t) Levels  
293 Kelvin Cross Sections

62-Sm-133



10

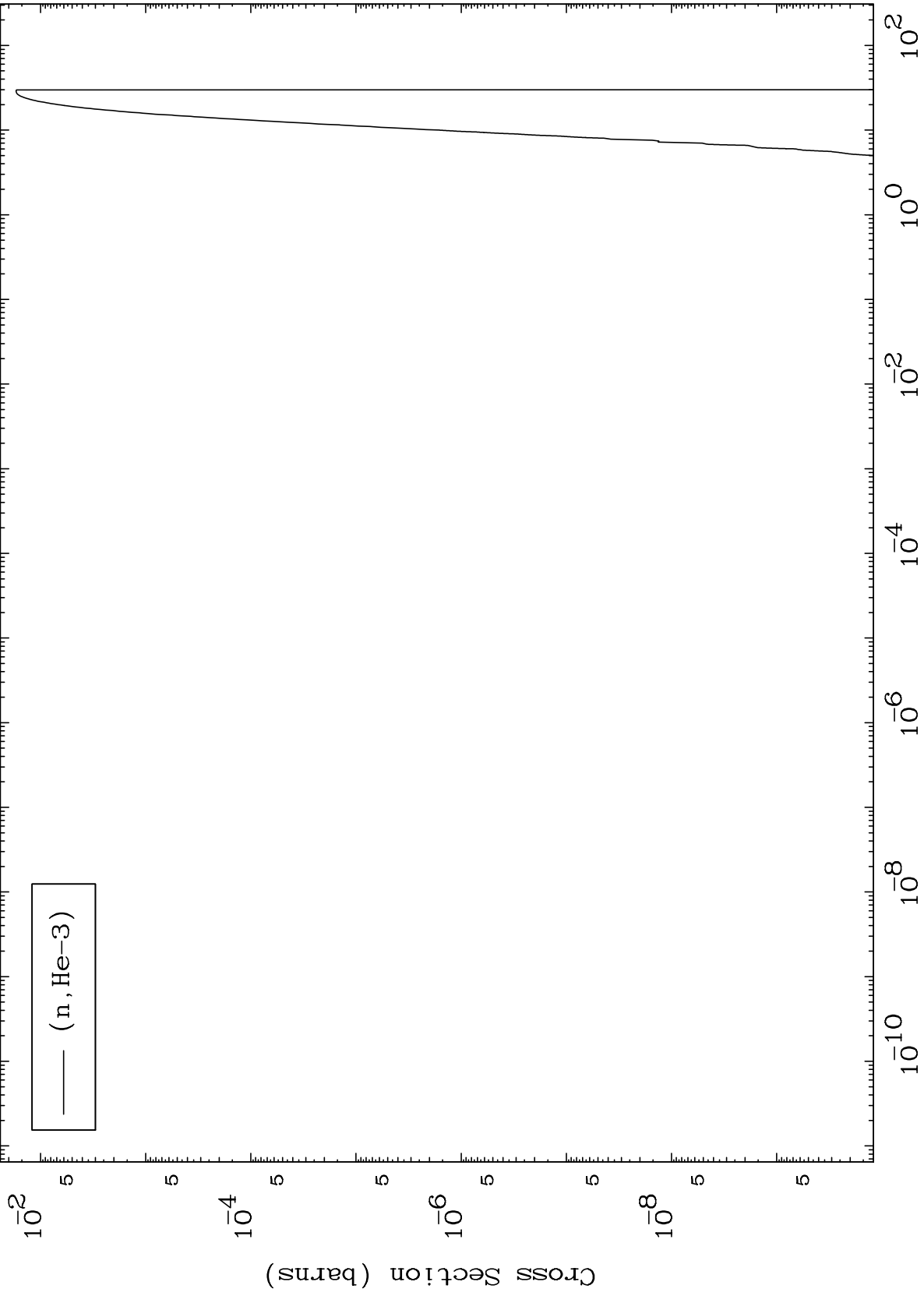
Incident Energy (MeV)

62-Sm-133

MAT 6192

(n,He3) Levels  
293 Kelvin Cross Sections

62-Sm-133



11

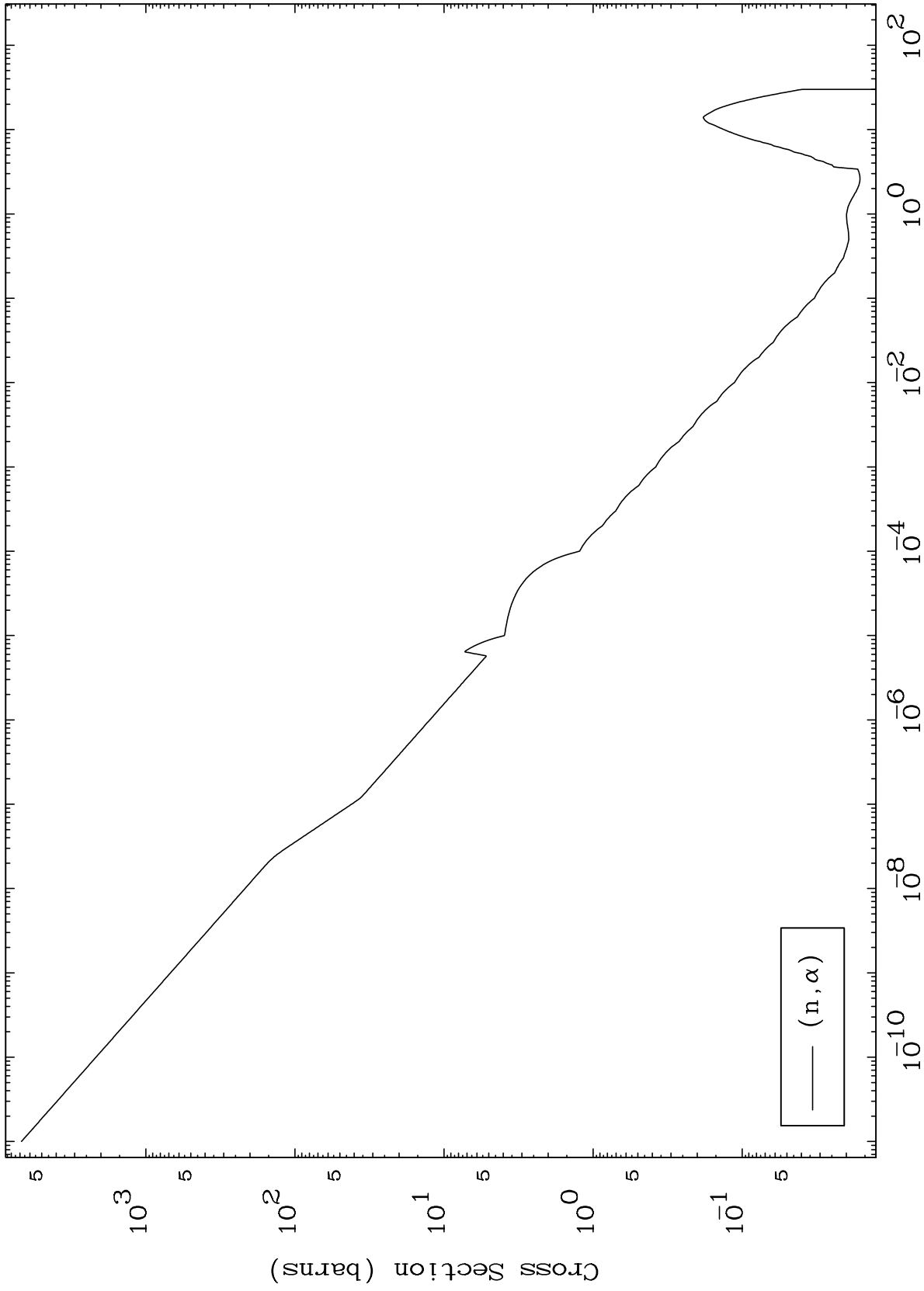
Incident Energy (MeV)

62-Sm-133

MAT 6192

(n,α) Levels  
293 Kelvin Cross Sections

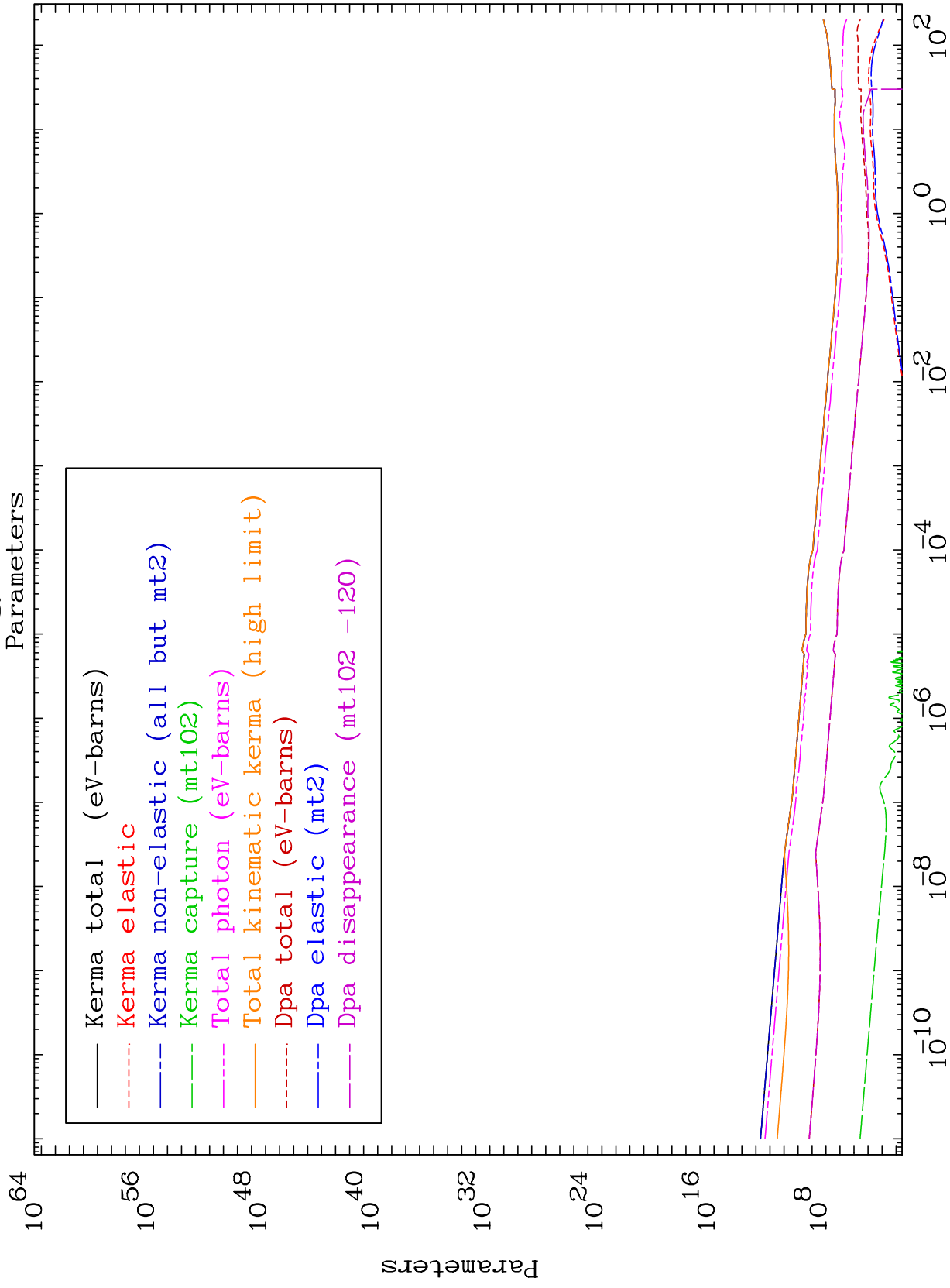
62-Sm-133



12

Incident Energy (MeV)

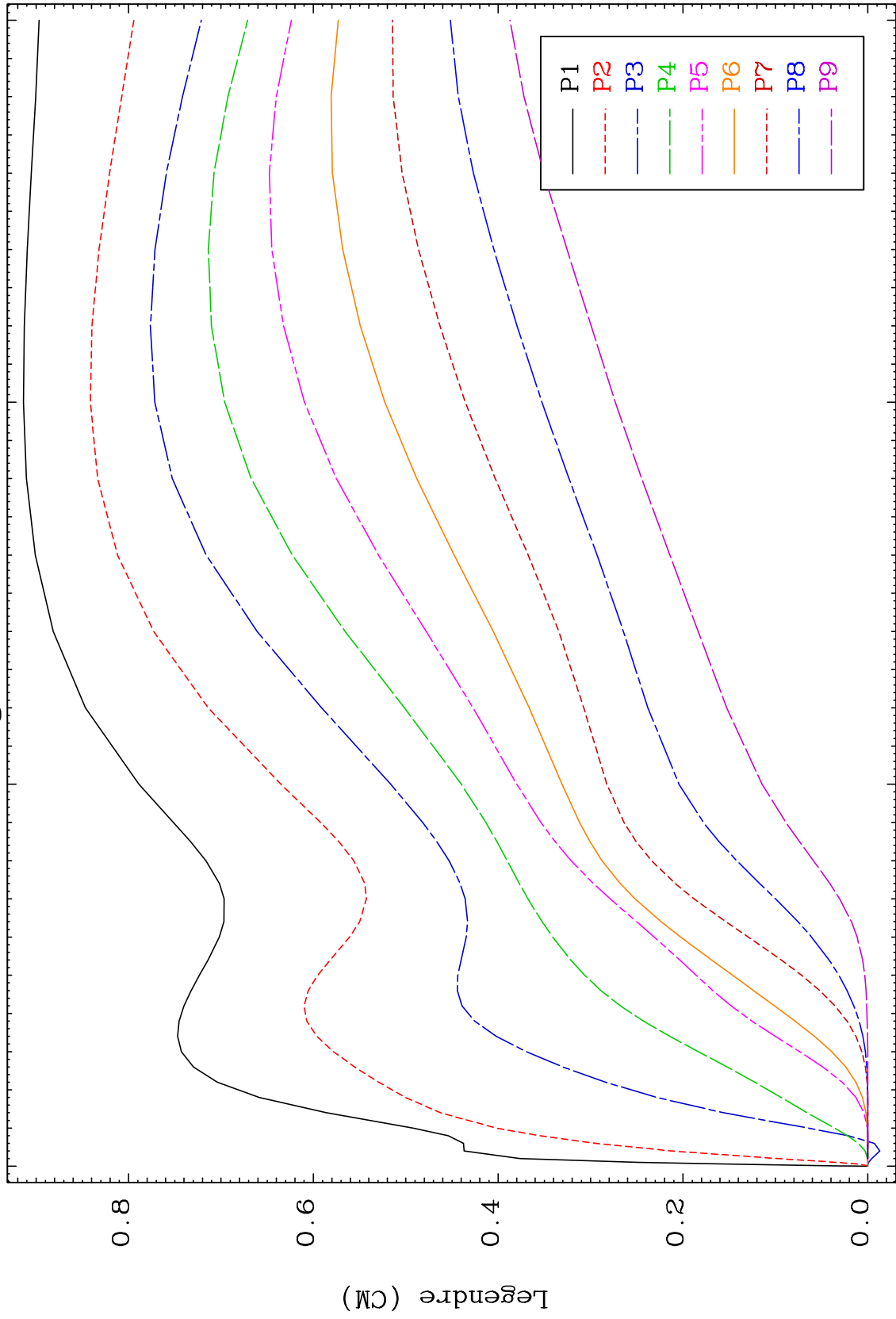
62-Sm-133



MAT 6192

Elastic Legendre Coefficients

62-Sm-133



14

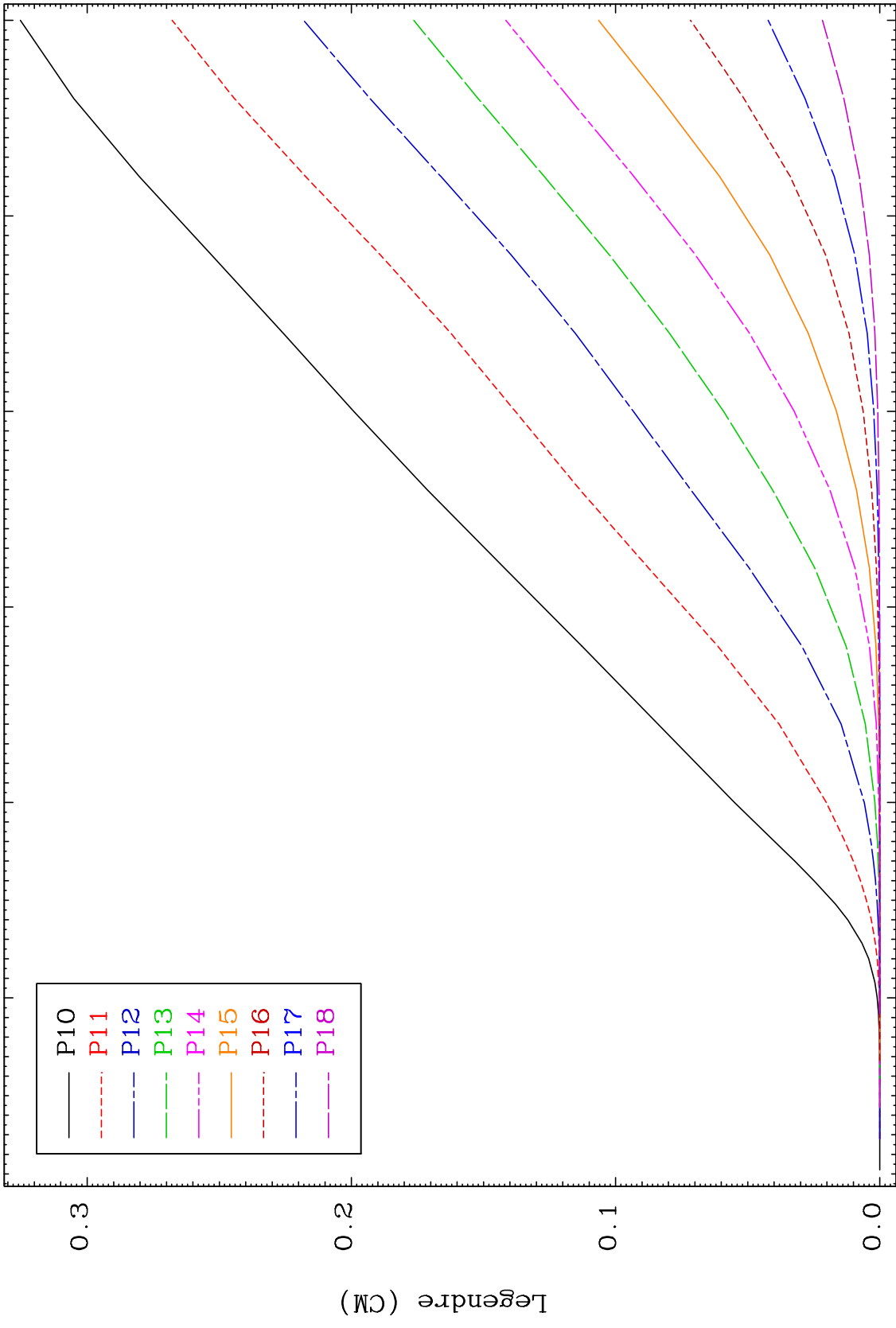
Incident Energy (MeV)

62-Sm-133

MAT 6192

Elastic Legendre Coefficients

62-Sm-133



15

Incident Energy (MeV)

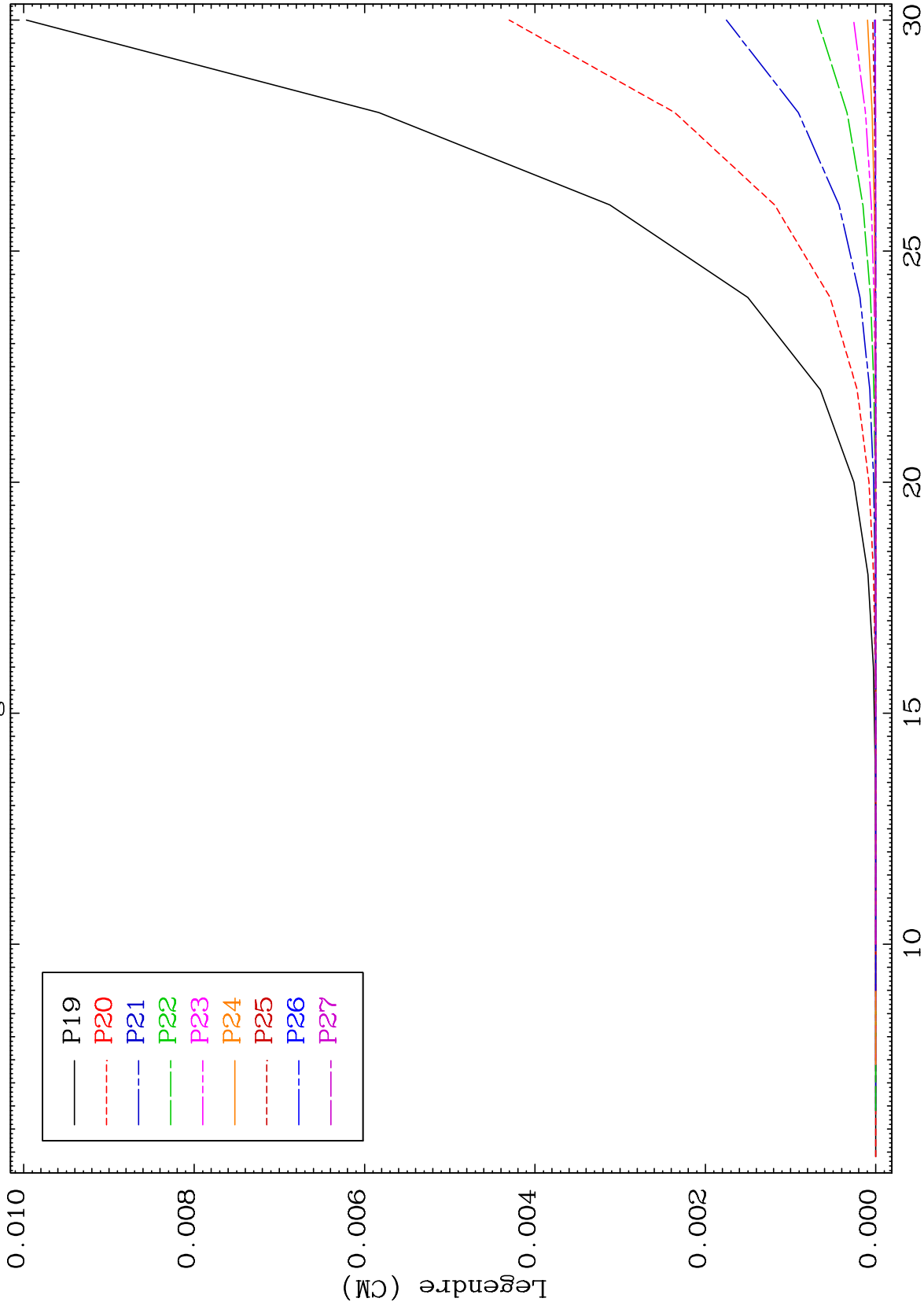
62-Sm-133



MAT 6192

### Elastic Legendre Coefficients

62-Sm-133



16

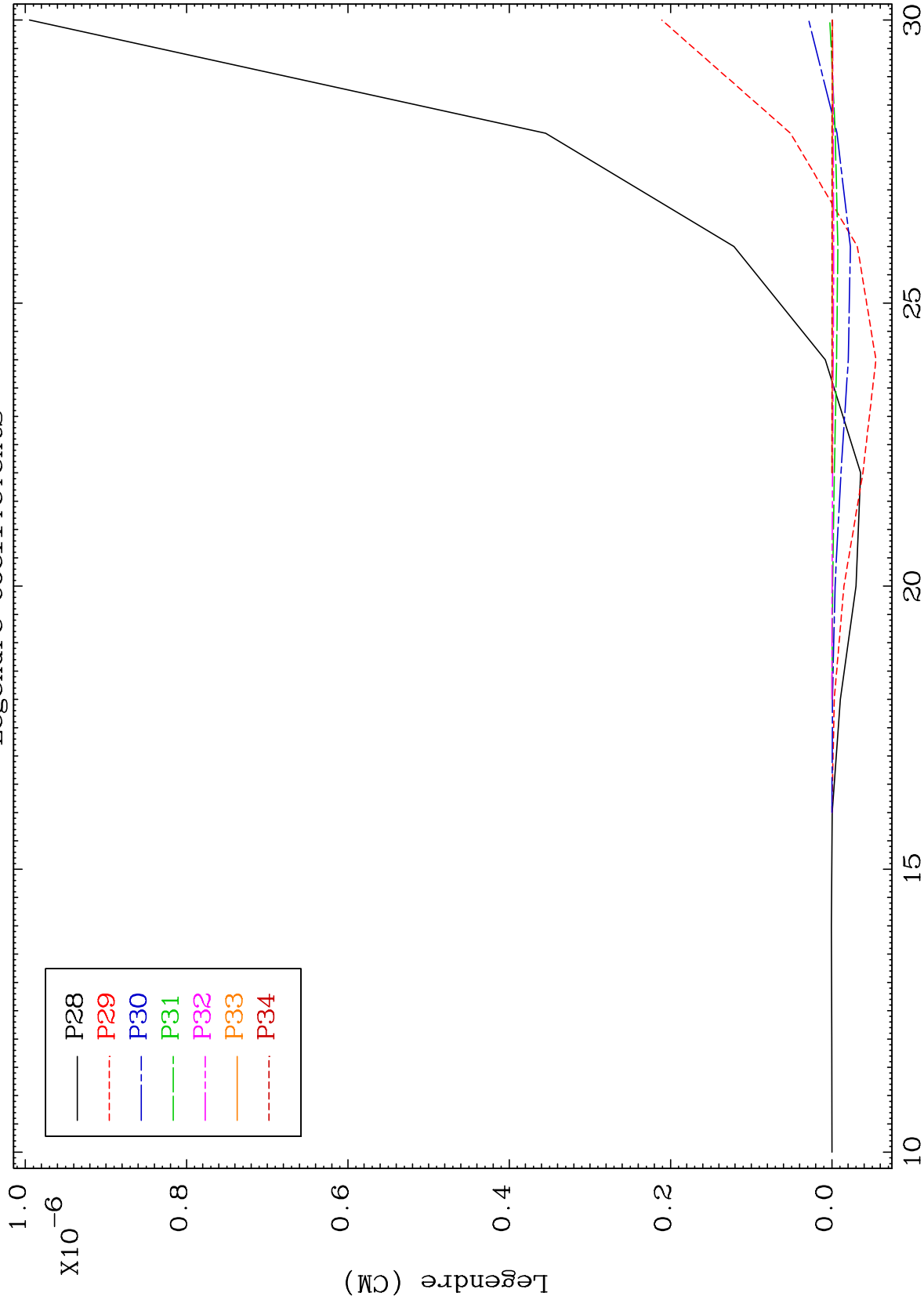
Incident Energy (MeV)

62-Sm-133

MAT 6192

Elastic Legendre Coefficients

62-Sm-133



17

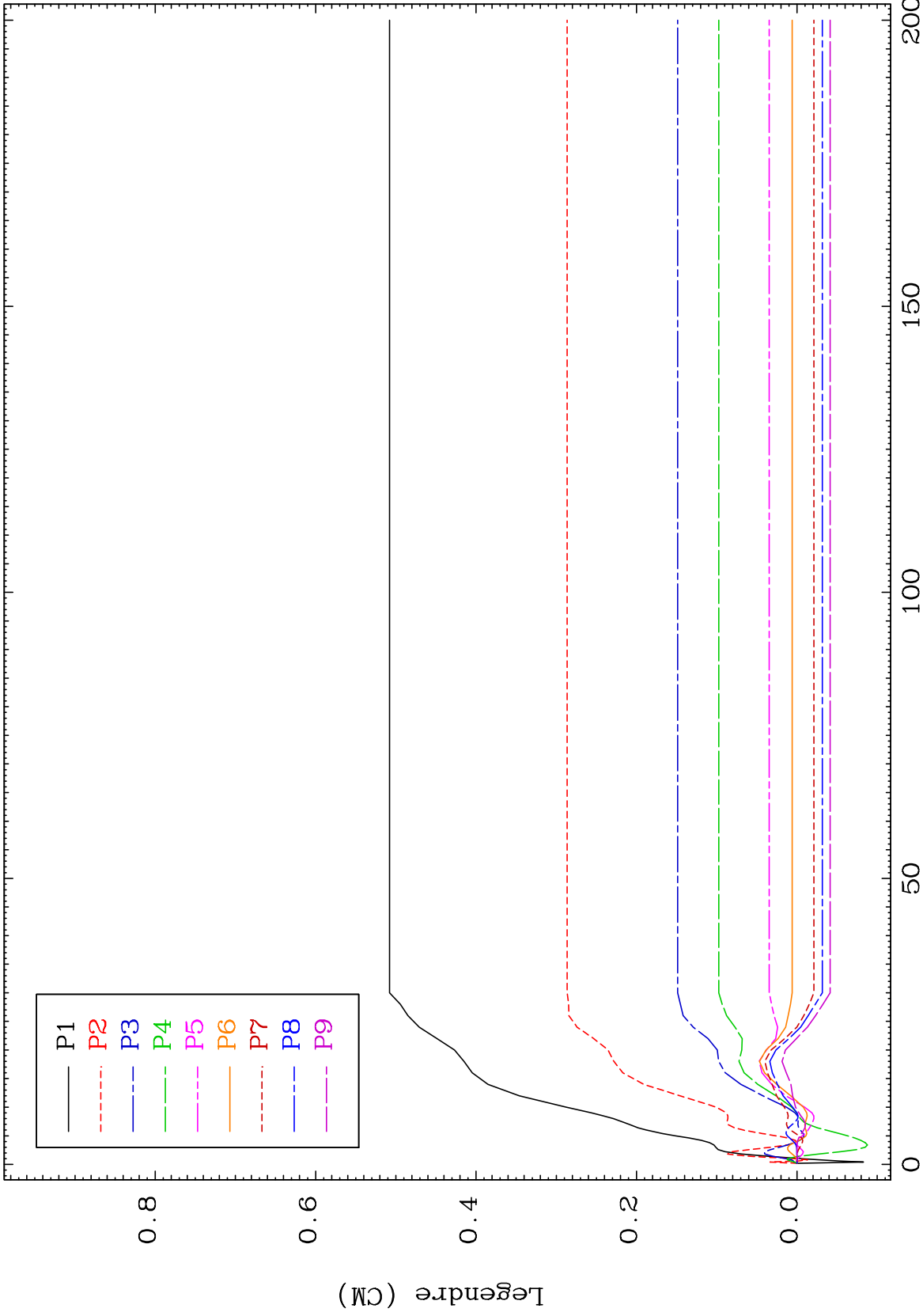
Incident Energy (MeV)

62-Sm-133

MAT 6192

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

62-Sm-133



18

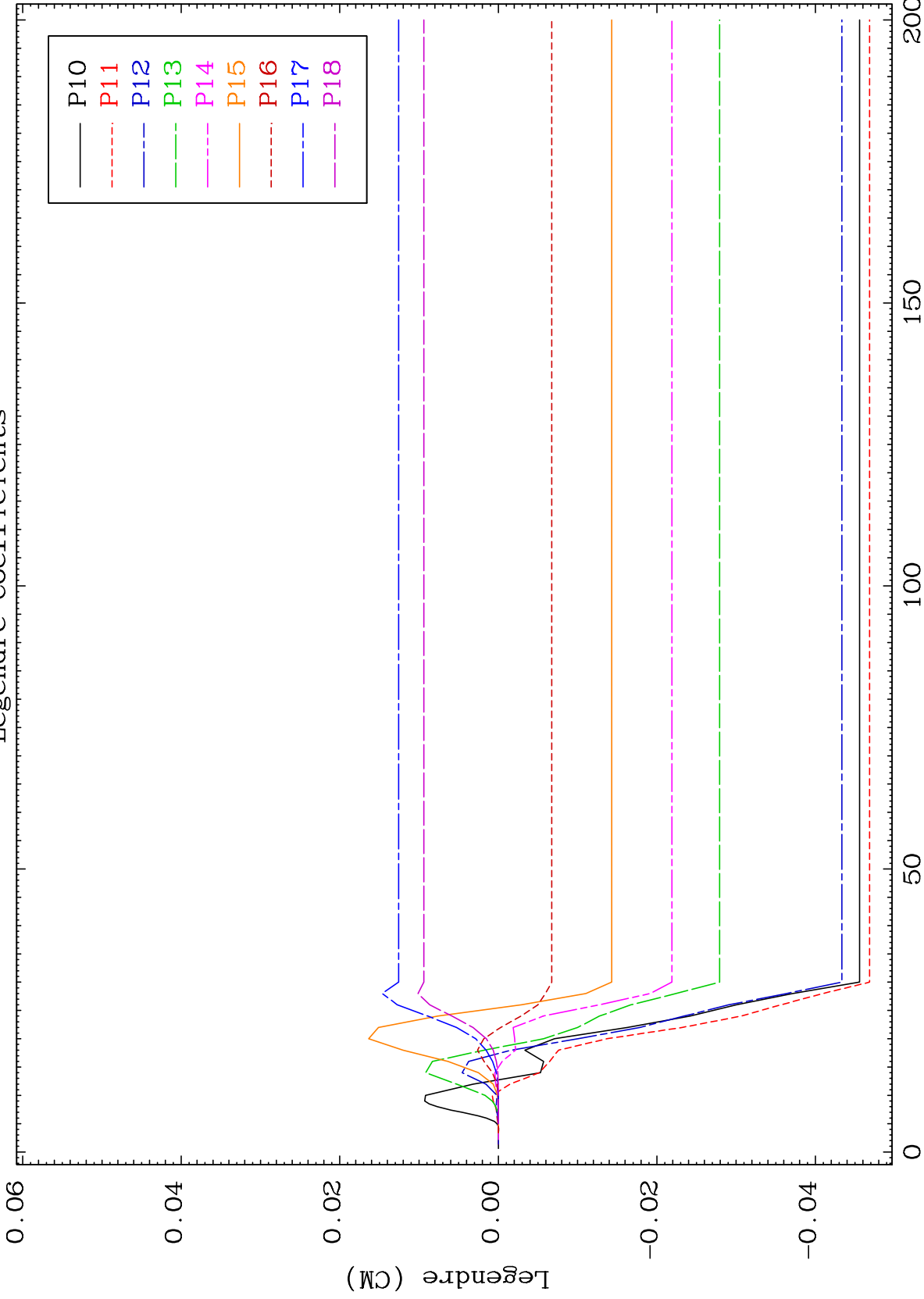
Incident Energy (MeV)

62-Sm-133

MAT 6192

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

62-Sm-133



19

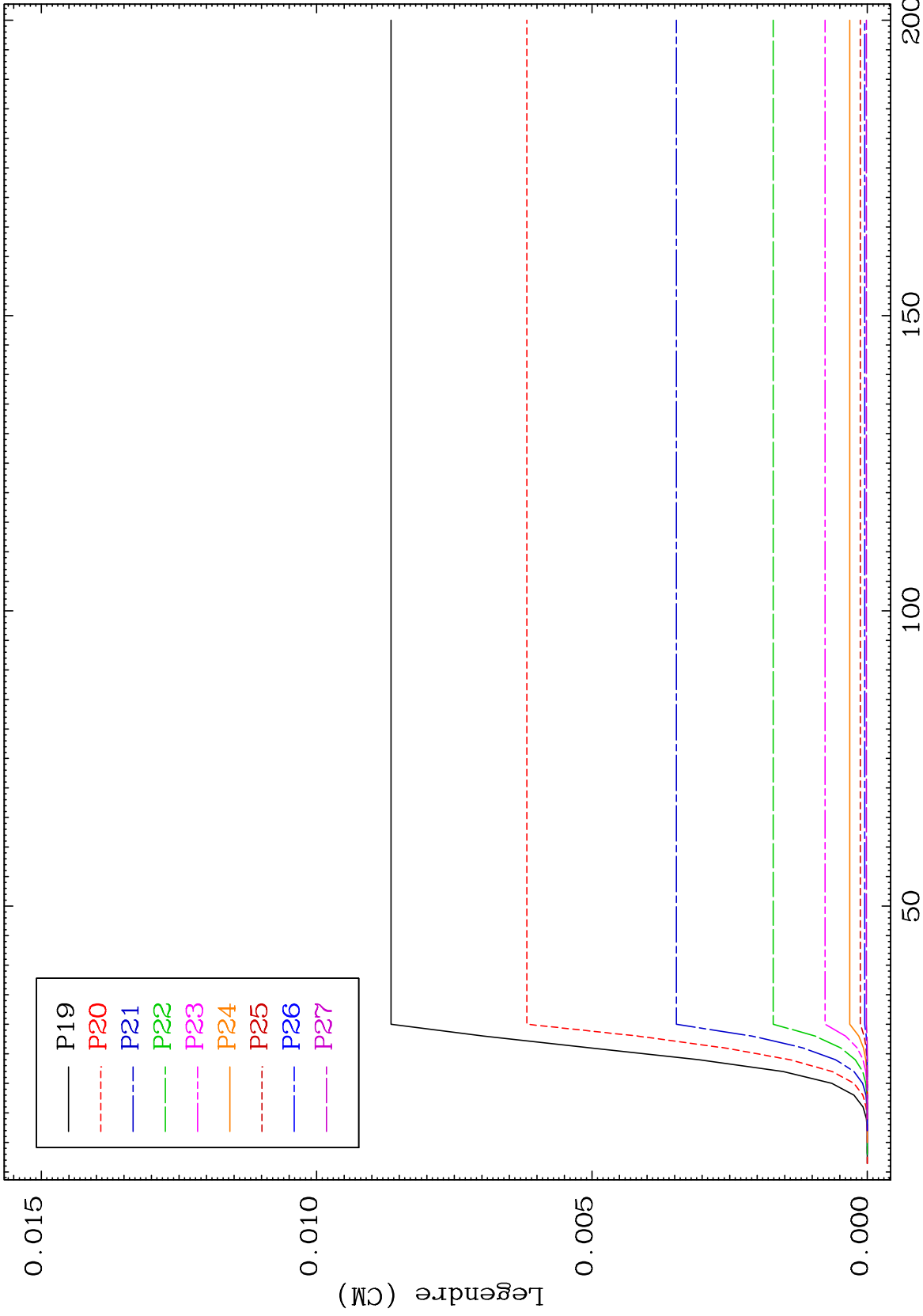
Incident Energy (MeV)

62-Sm-133

MAT 6192

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

62-Sm-133



20

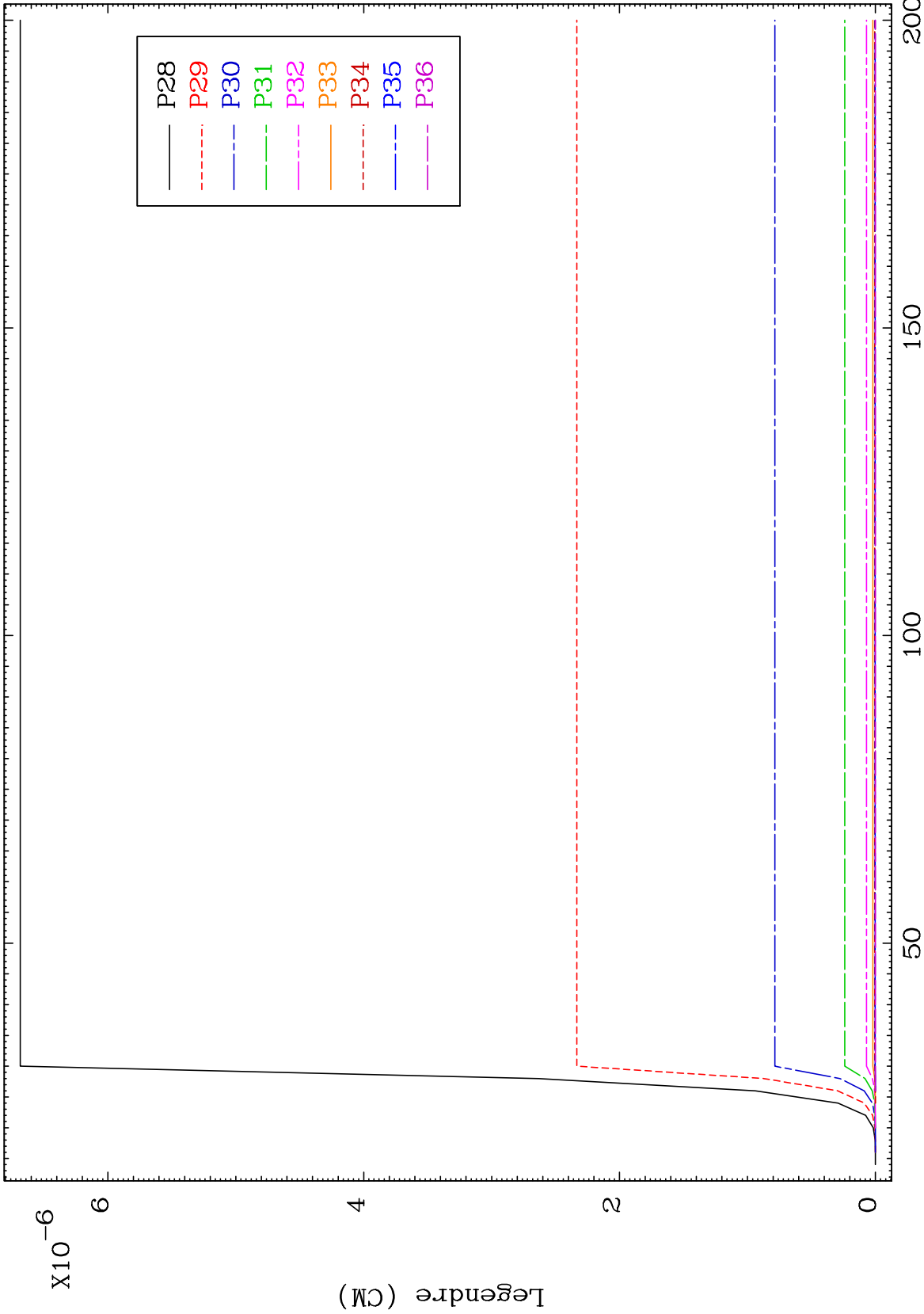
Incident Energy (MeV)

62-Sm-133

MAT 6192

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

62-Sm-133



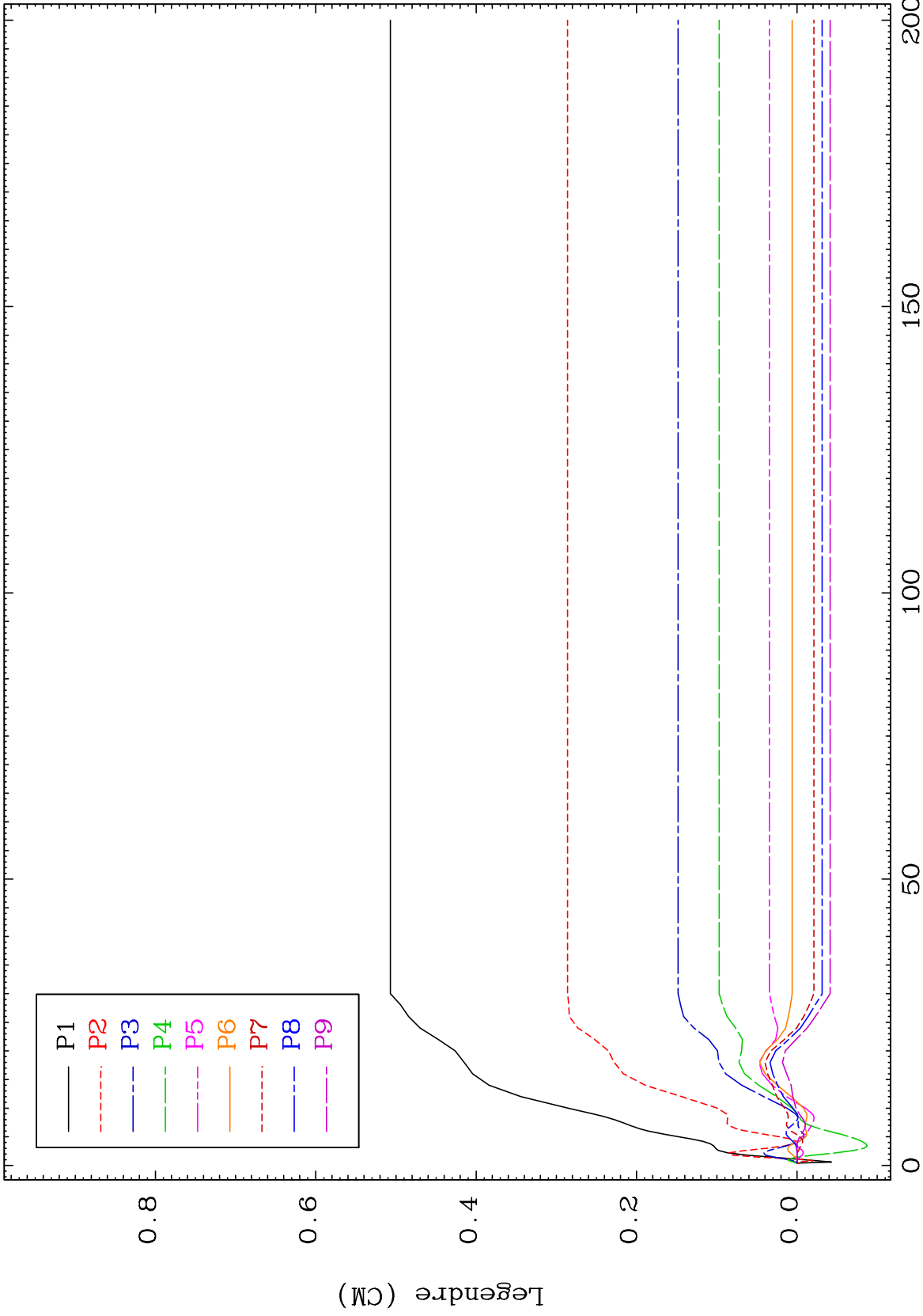
21

62-Sm-133

MAT 6192

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

62-Sm-133



22

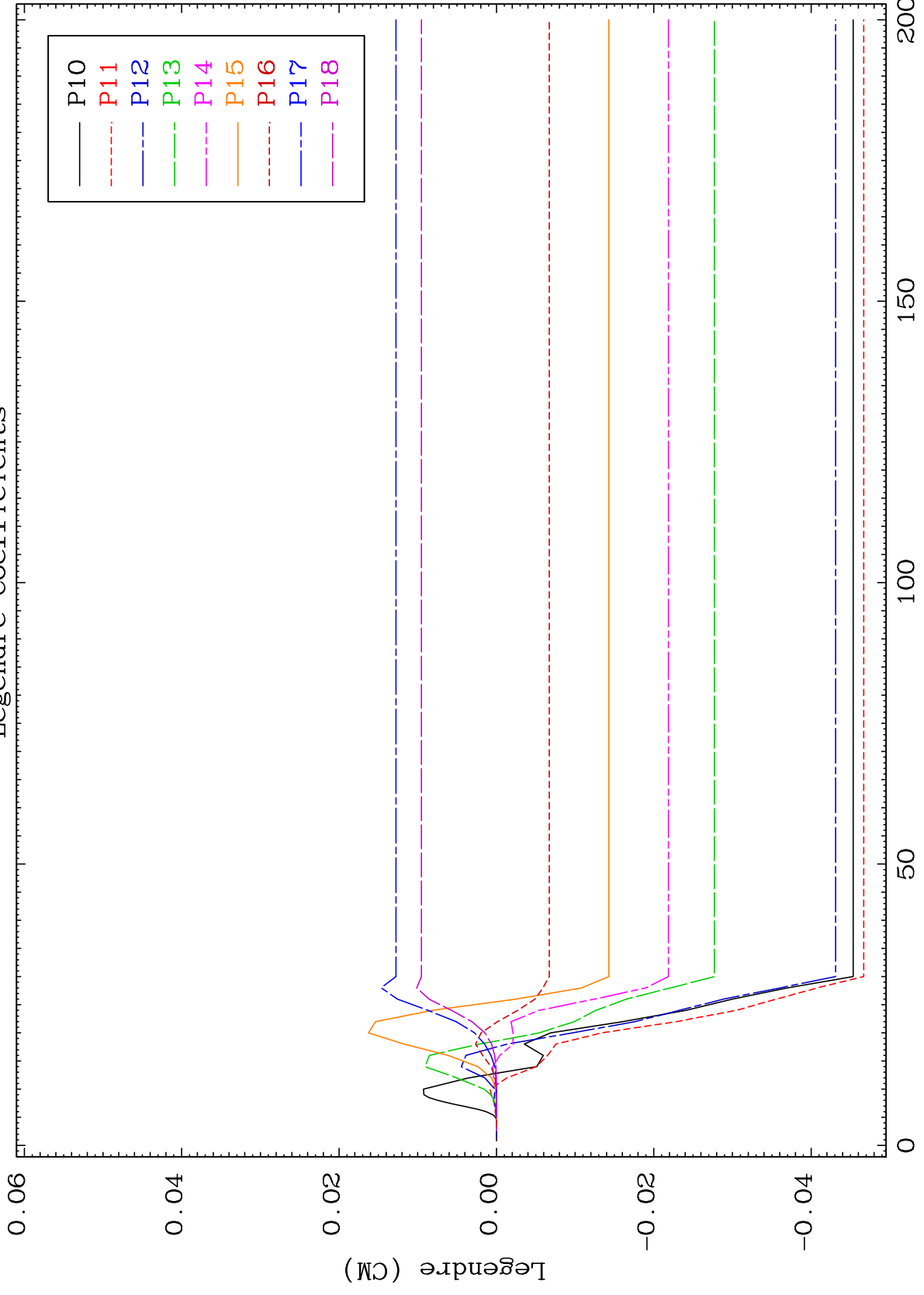
Incident Energy (MeV)

62-Sm-133

MAT 6192

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

62-Sm-133



23

Incident Energy (MeV)

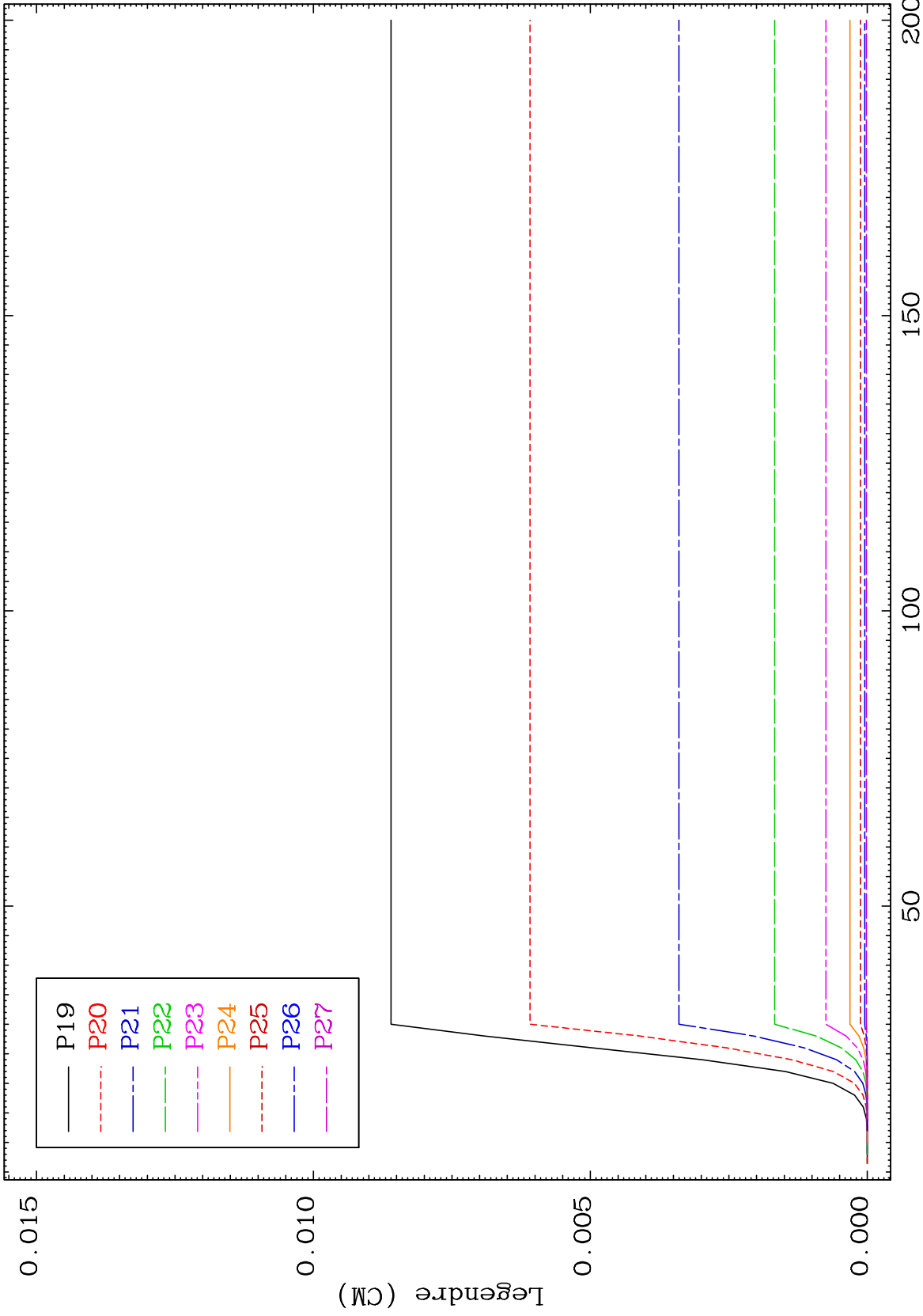
62-Sm-133



MAT 6192

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

62-Sm-133



24

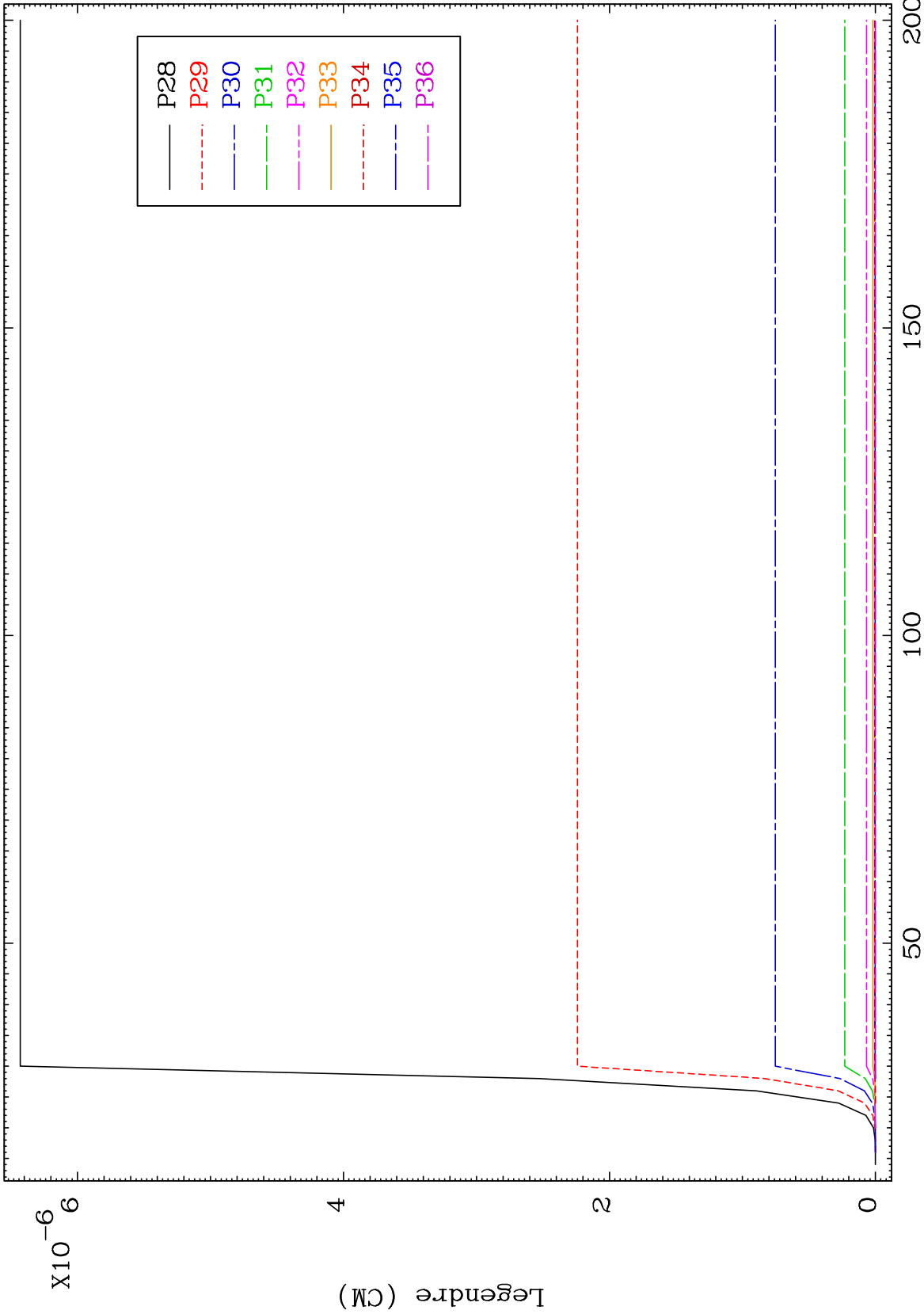
Incident Energy (MeV)

62-Sm-133

MAT 6192

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

62-Sm-133



25

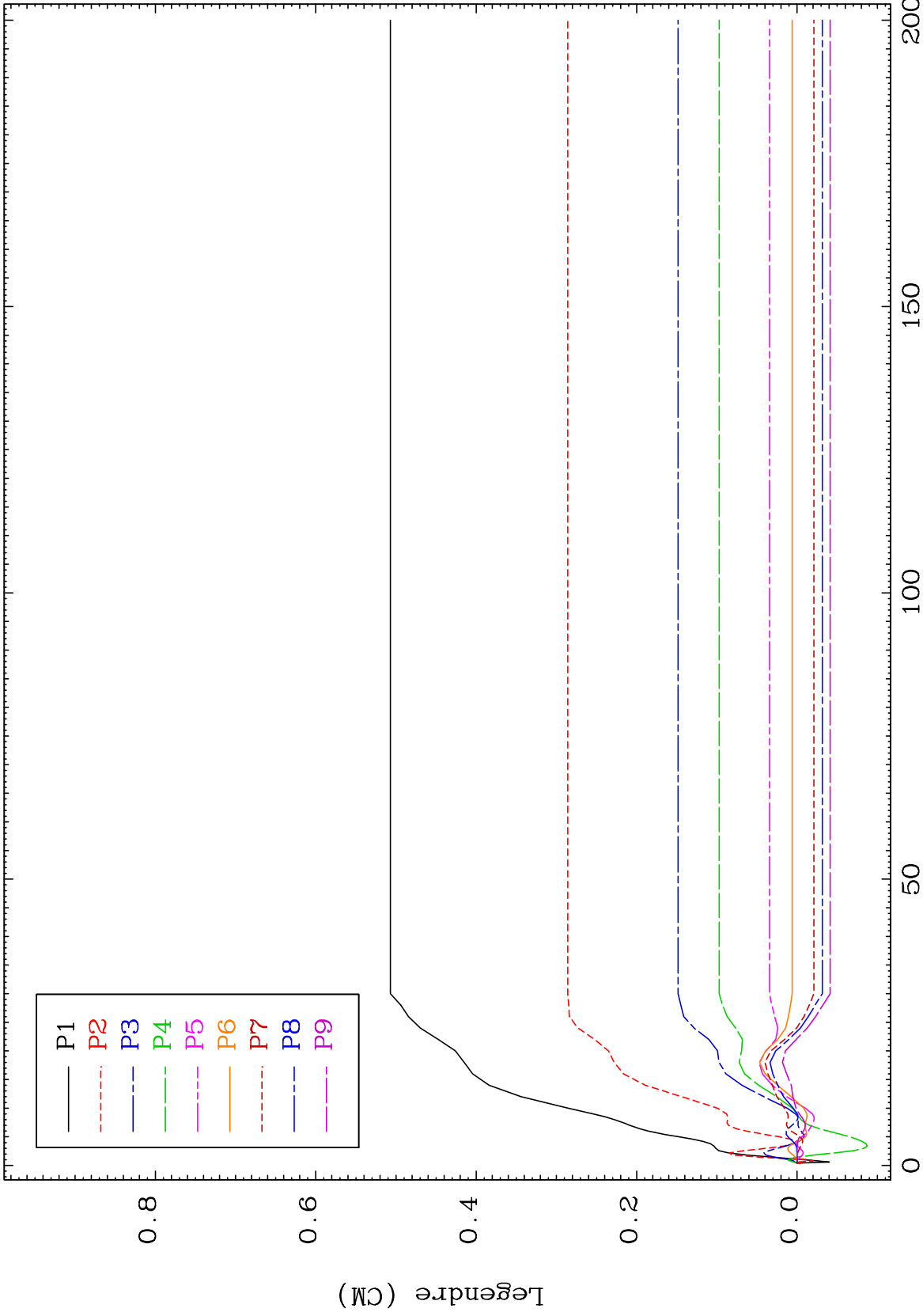
Incident Energy (MeV)

62-Sm-133

MAT 6192

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

62-Sm-133



26

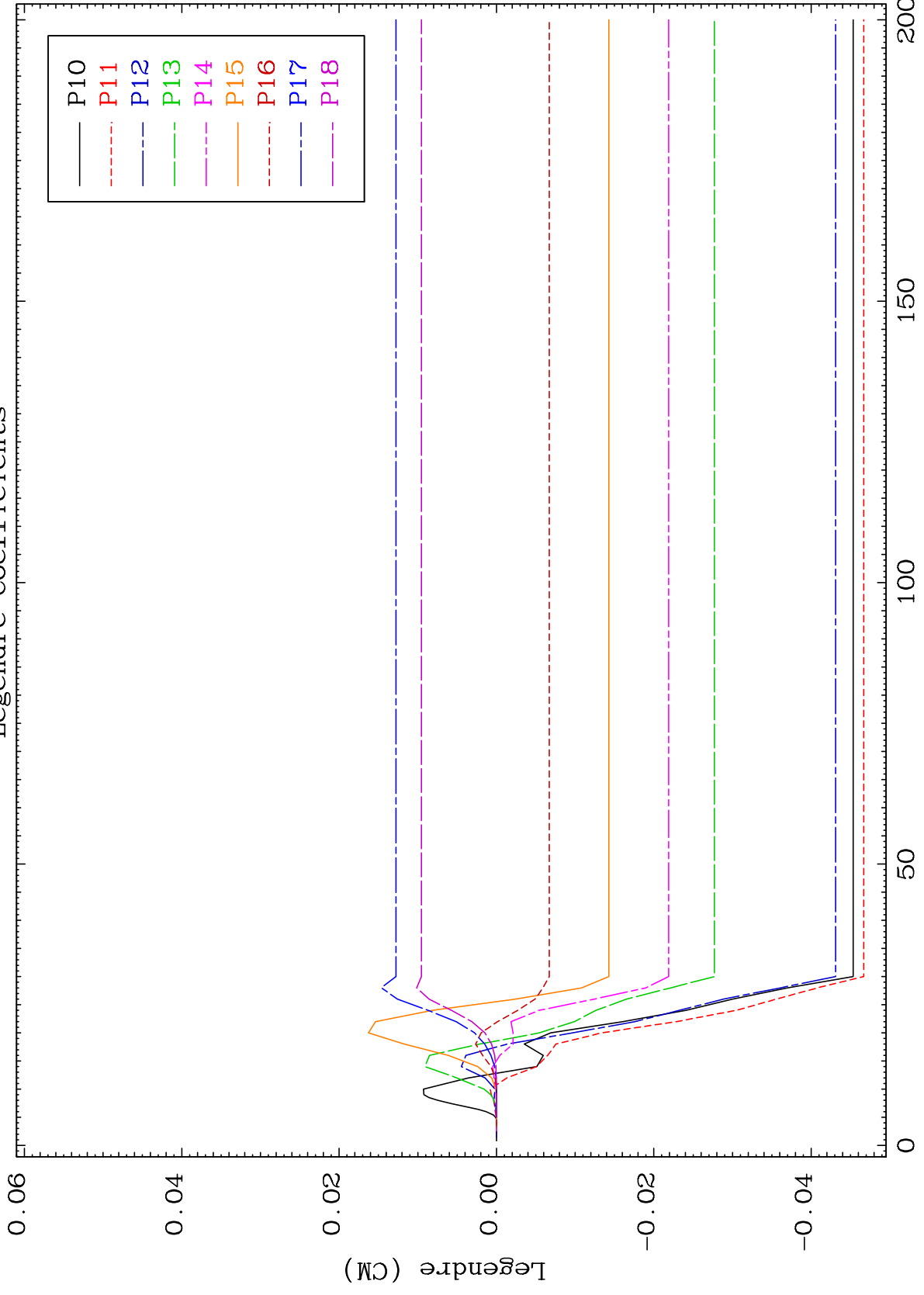
Incident Energy (MeV)

62-Sm-133

MAT 6192

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

62-Sm-133



27

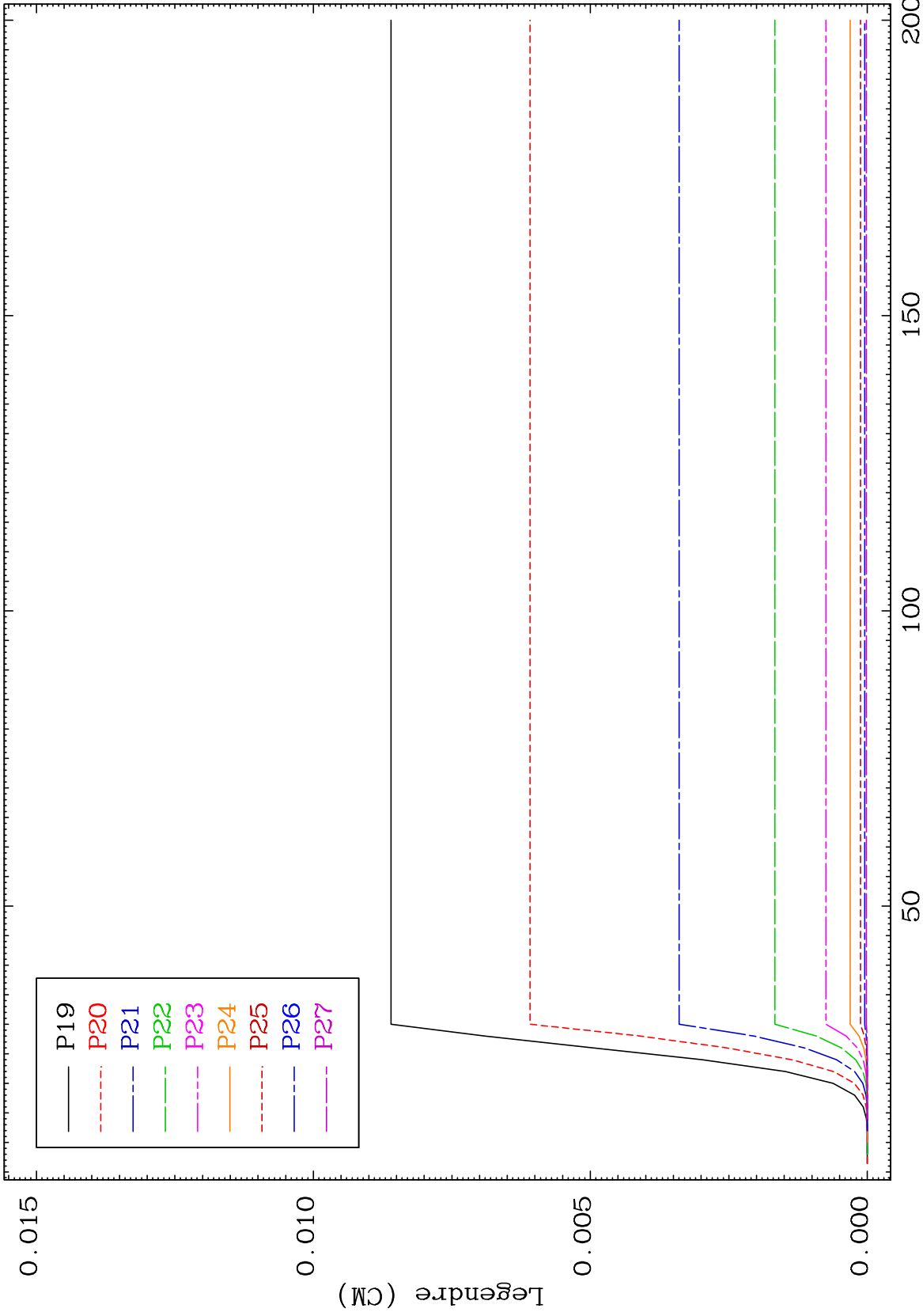
Incident Energy (MeV)

62-Sm-133

MAT 6192

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

62-Sm-133



28

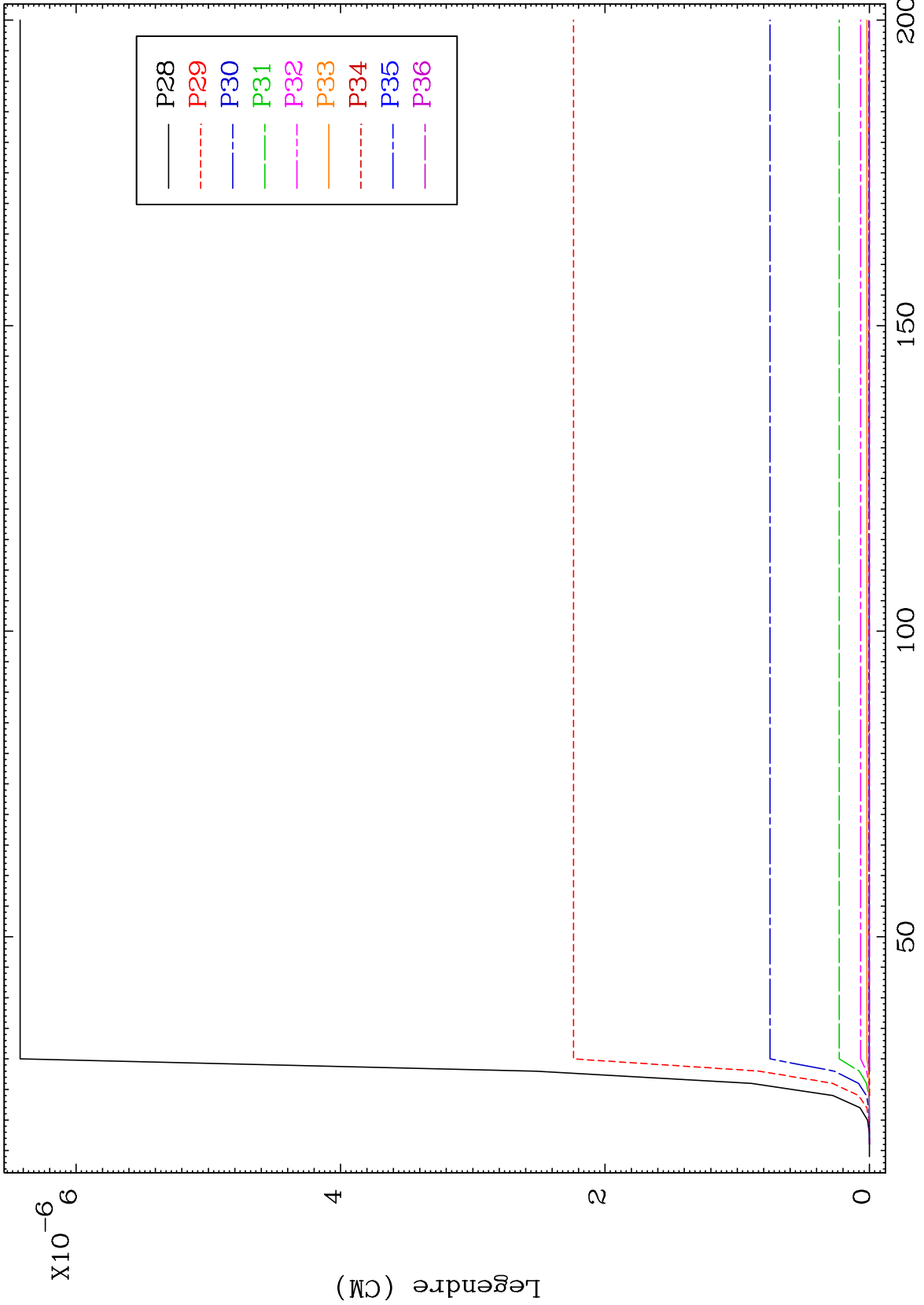
Incident Energy (MeV)

62-Sm-133

MAT 6192

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

62-Sm-133



29

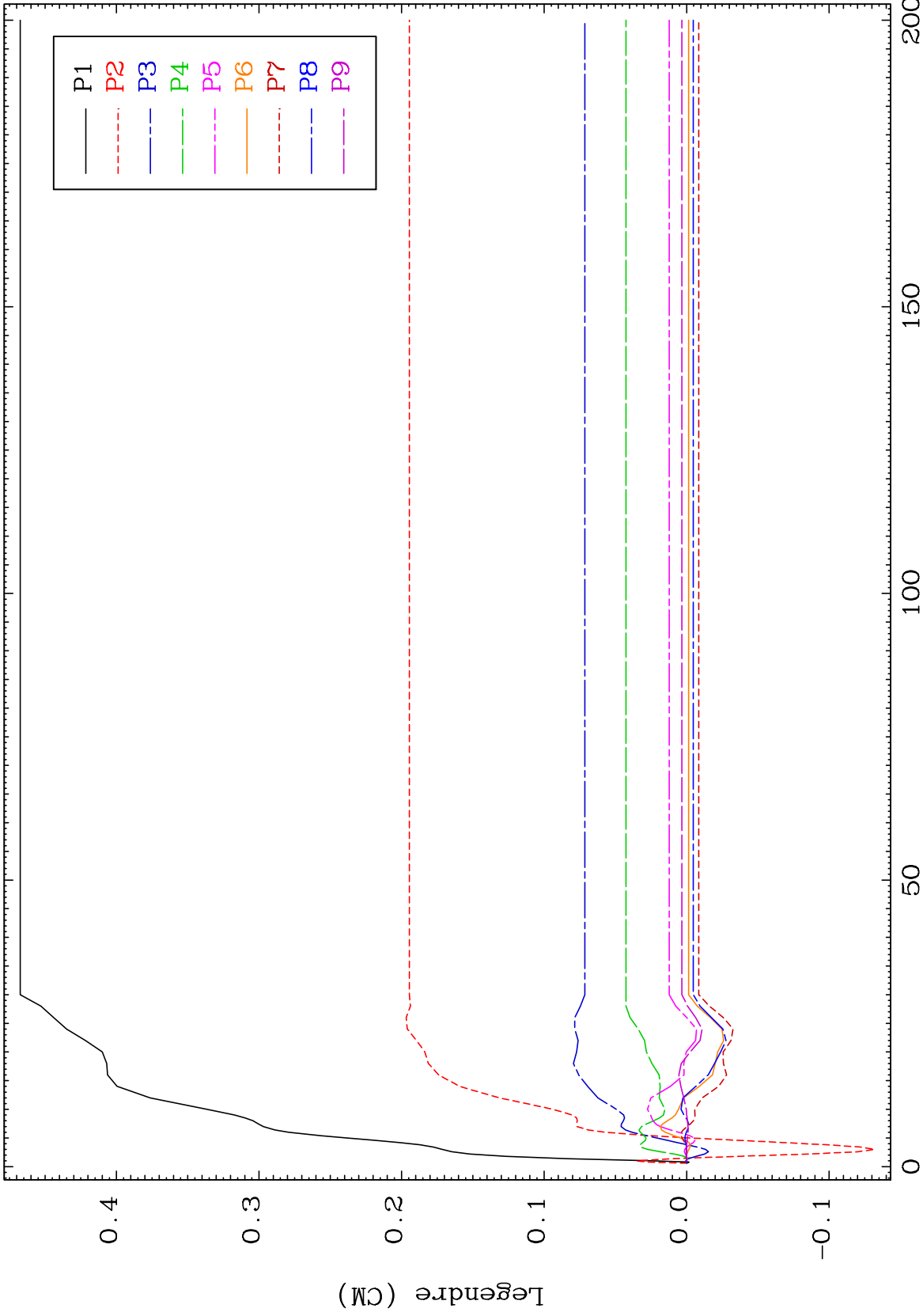
Incident Energy (MeV)

62-Sm-133

MAT 6192

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

62-Sm-133



62-Sm-133

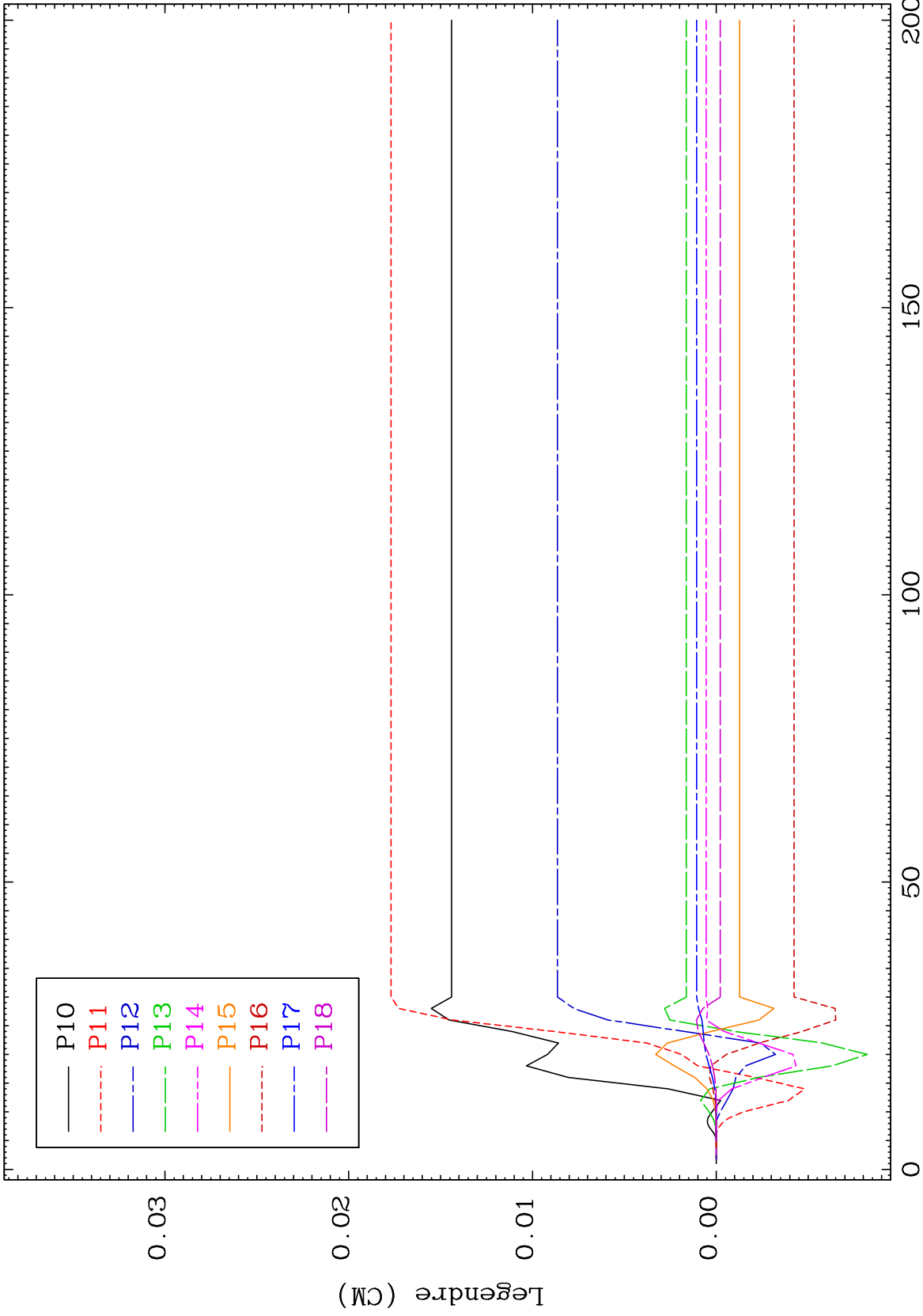
Incident Energy (MeV)

30

MAT 6192

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

62-Sm-133



31

Incident Energy (MeV)

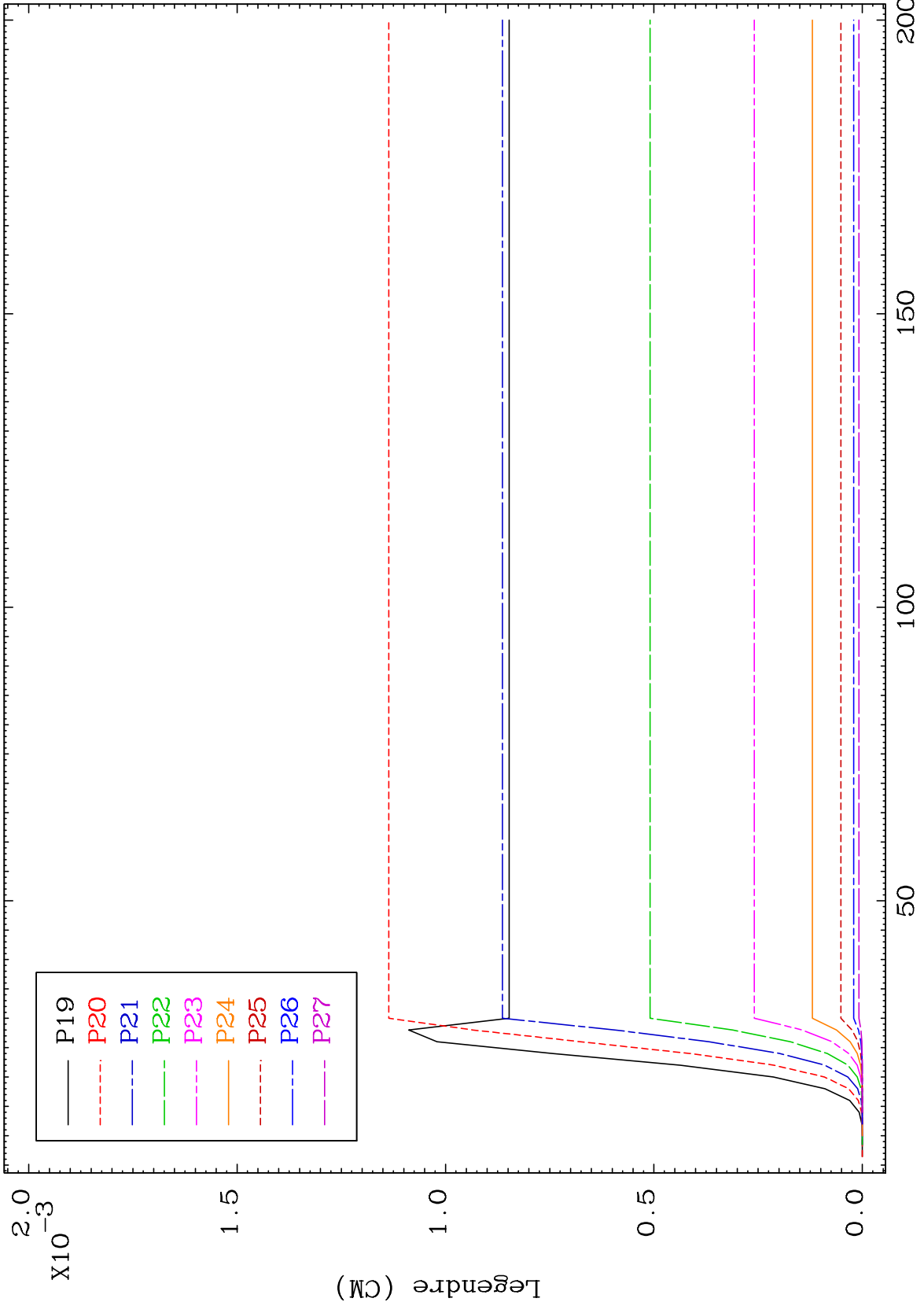
62-Sm-133



MAT 6192

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

62-Sm-133



32

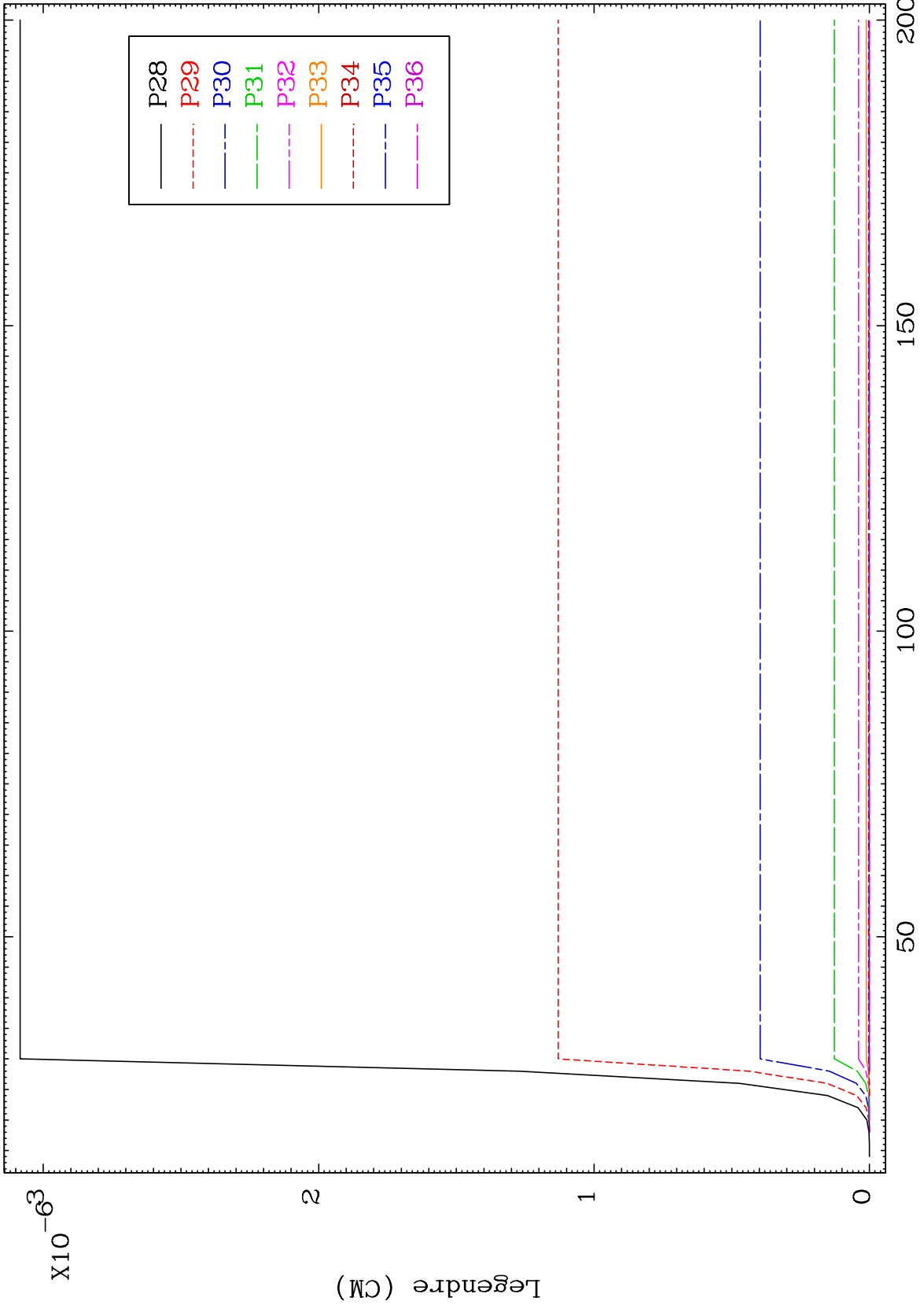
Incident Energy (MeV)

62-Sm-133

MAT 6192

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

62-Sm-133



33

Incident Energy (MeV)

62-Sm-133

200

50

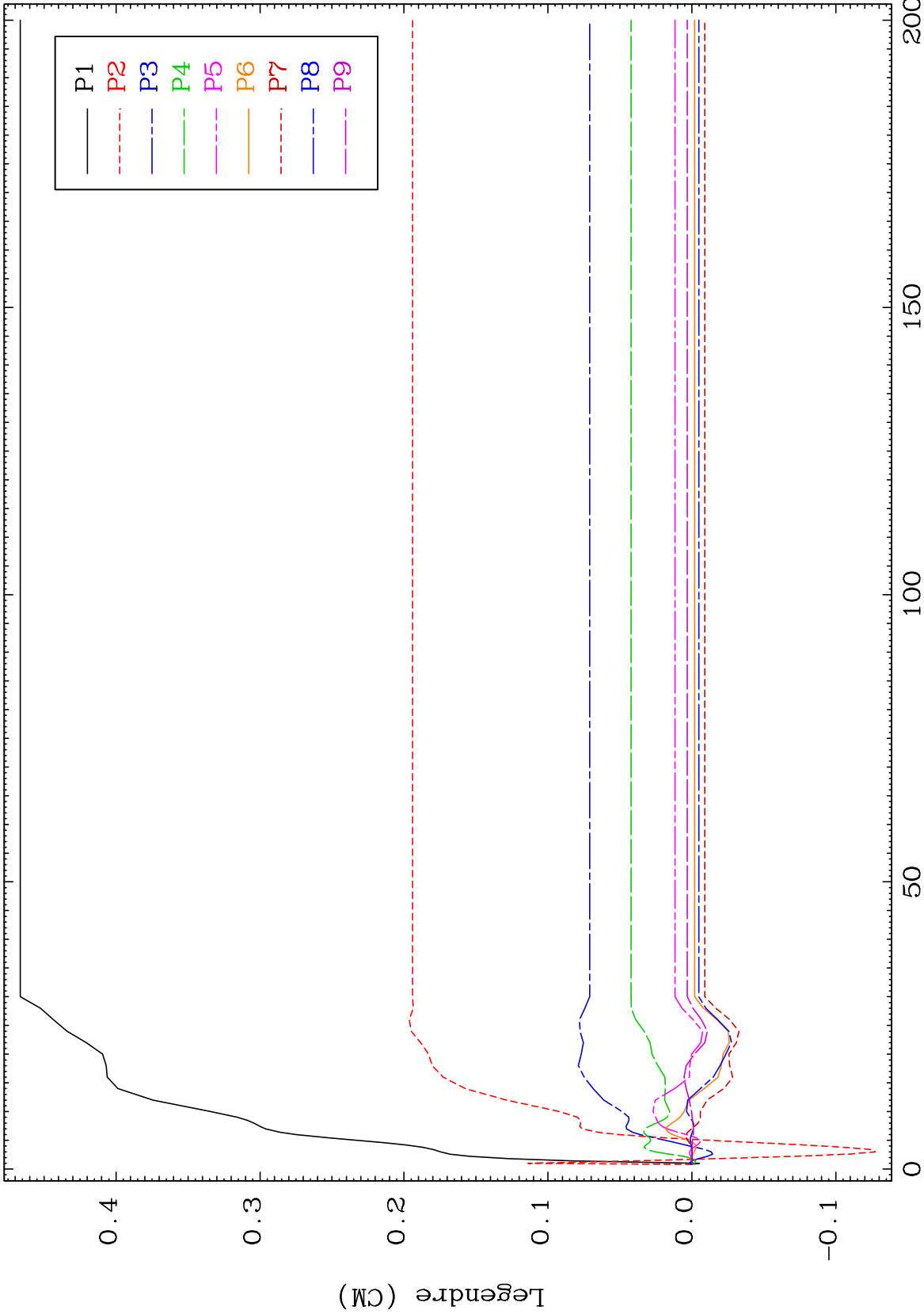
100

150

MAT 6192

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

62-Sm-133



34

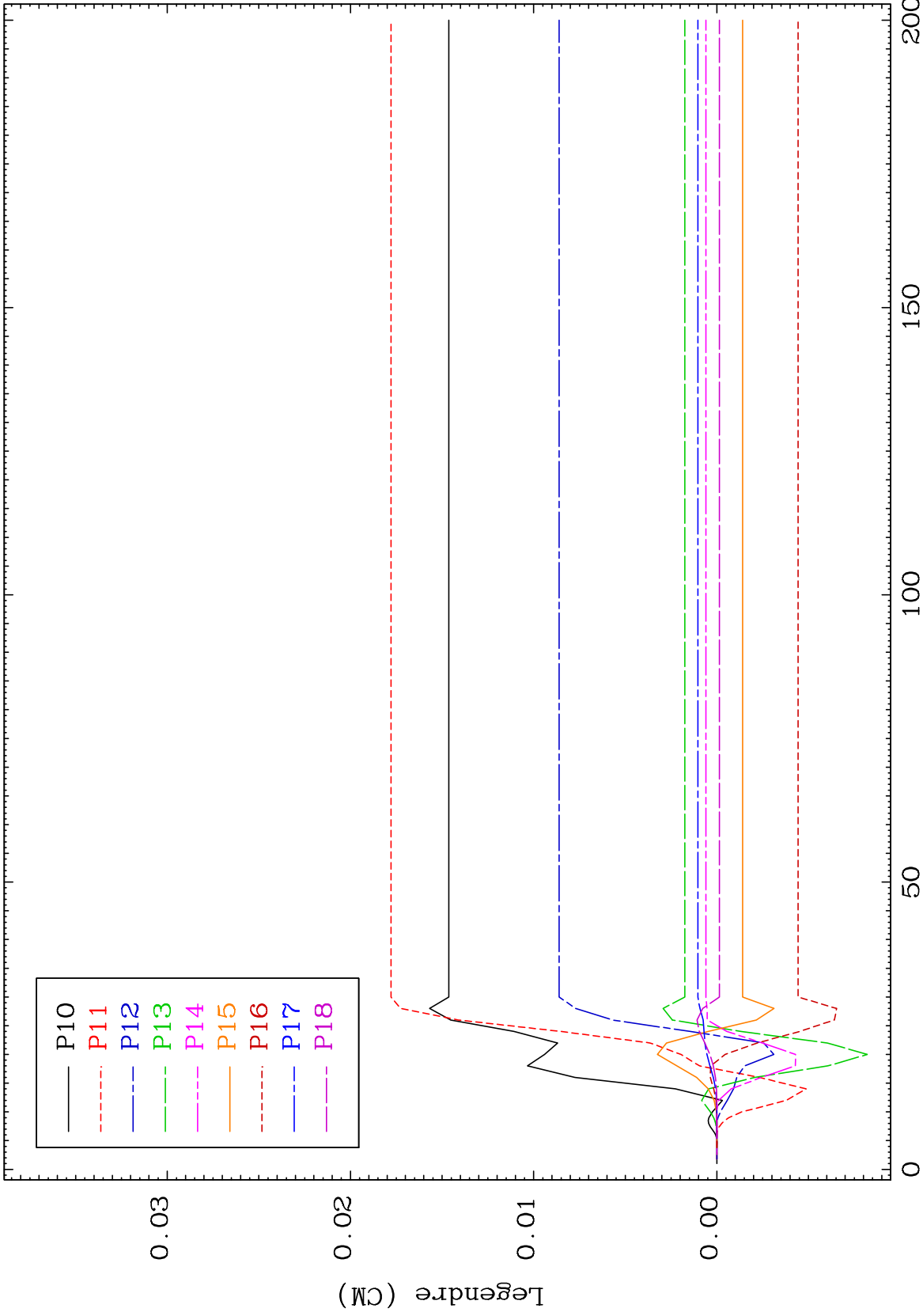
Incident Energy (MeV)

62-Sm-133

MAT 6192

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

62-Sm-133



35

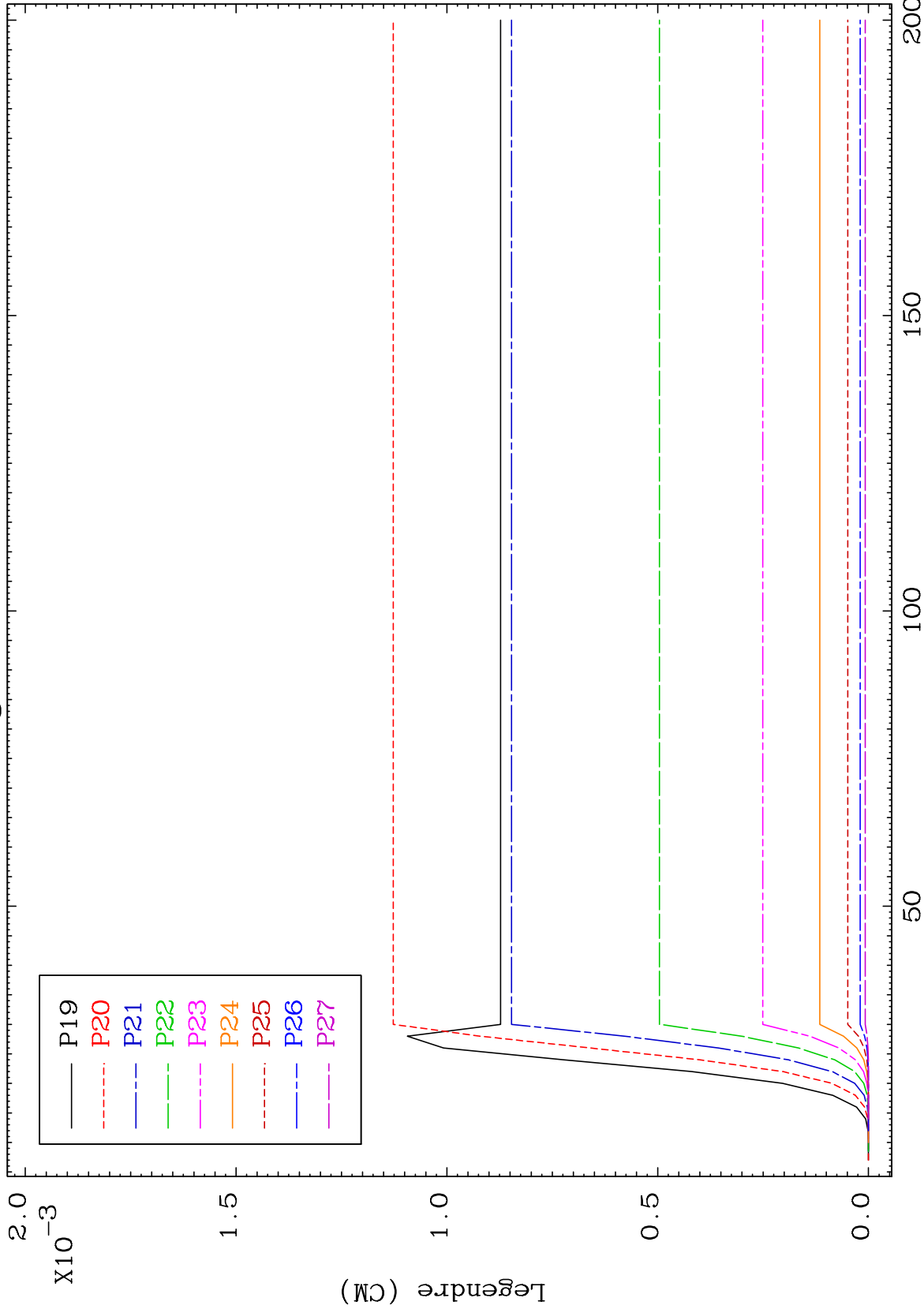
Incident Energy (MeV)

62-Sm-133

MAT 6192

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

62-Sm-133



36

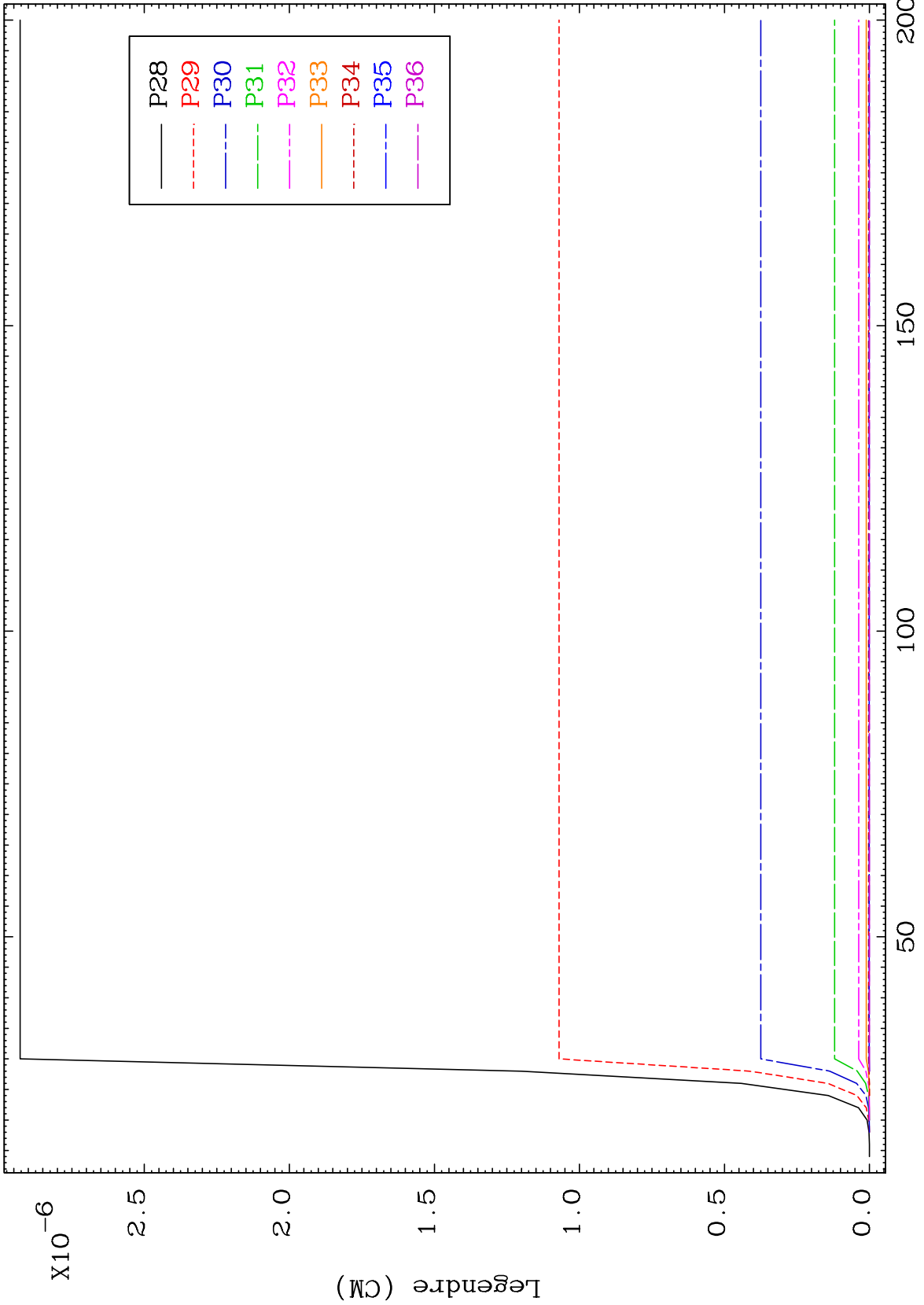
Incident Energy (MeV)

62-Sm-133

MAT 6192

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

62-Sm-133



37

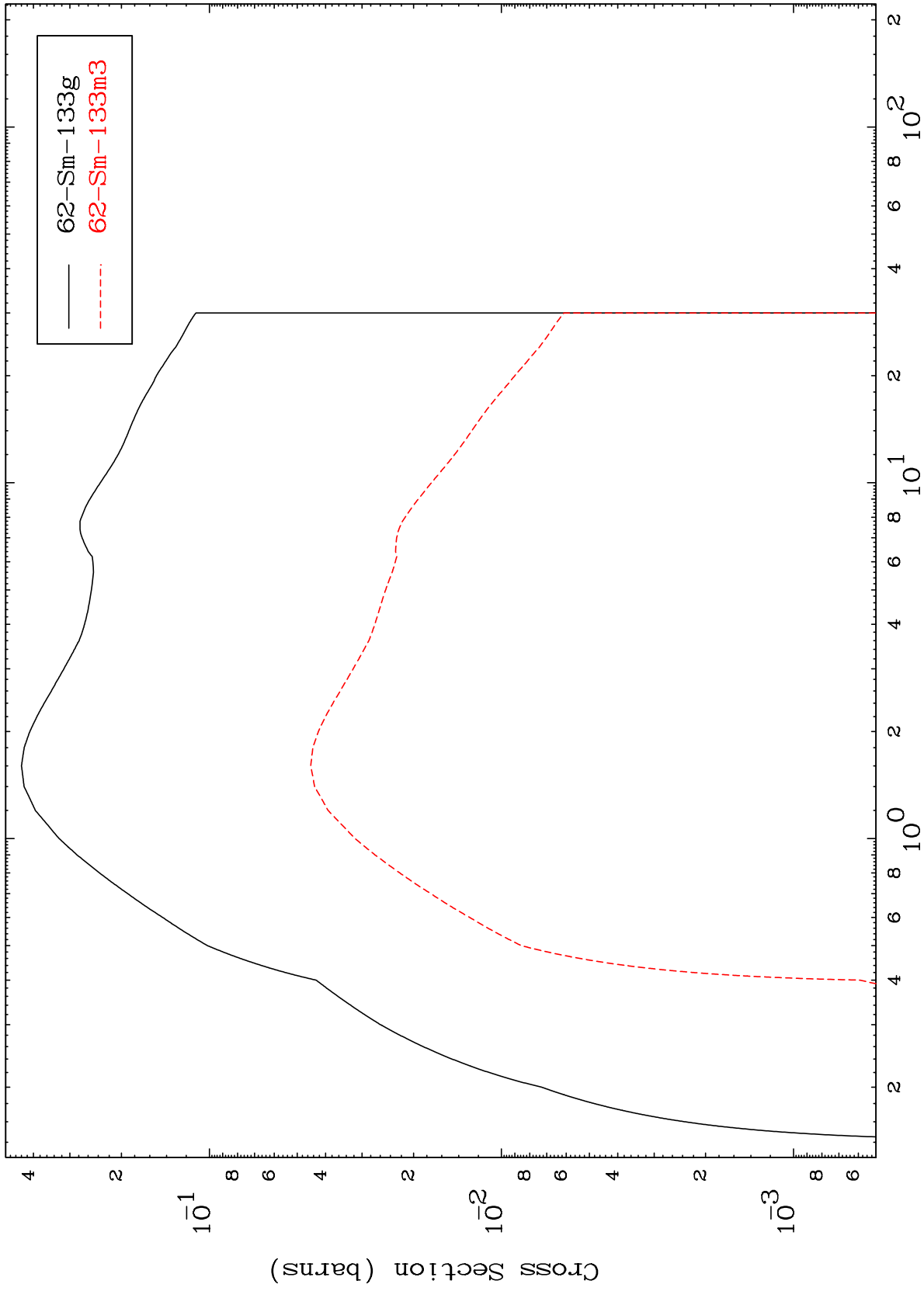
Incident Energy (MeV)

62-Sm-133

MAT 6192

62-Sm-133

### Inelastic Radionuclide Production Cross Section



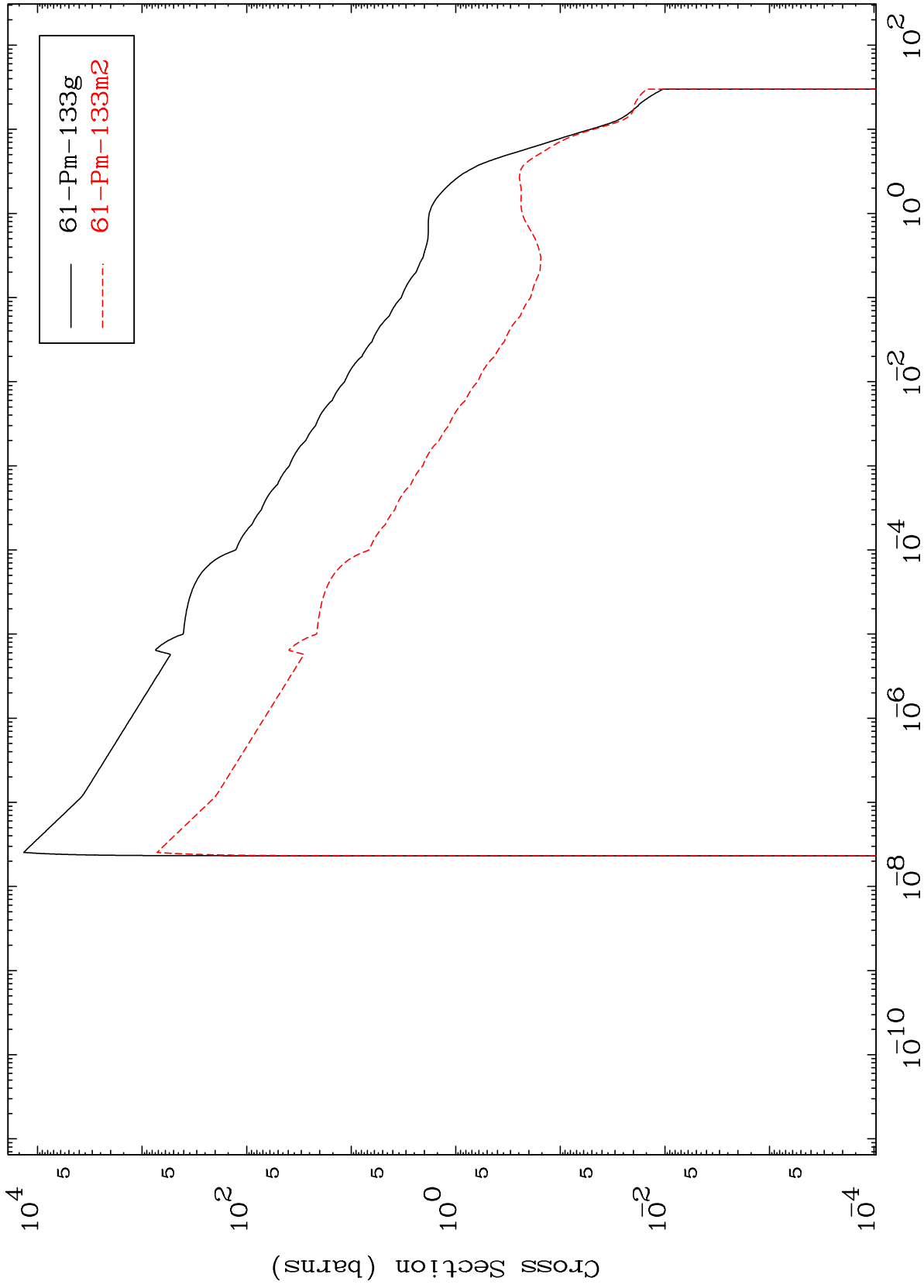
38

62-Sm-133

MAT 6192

62-Sm-133

Radionuclide Production Cross Section (n,p)



39

62-Sm-133