

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](mailto:redcullen1@comcast.net)

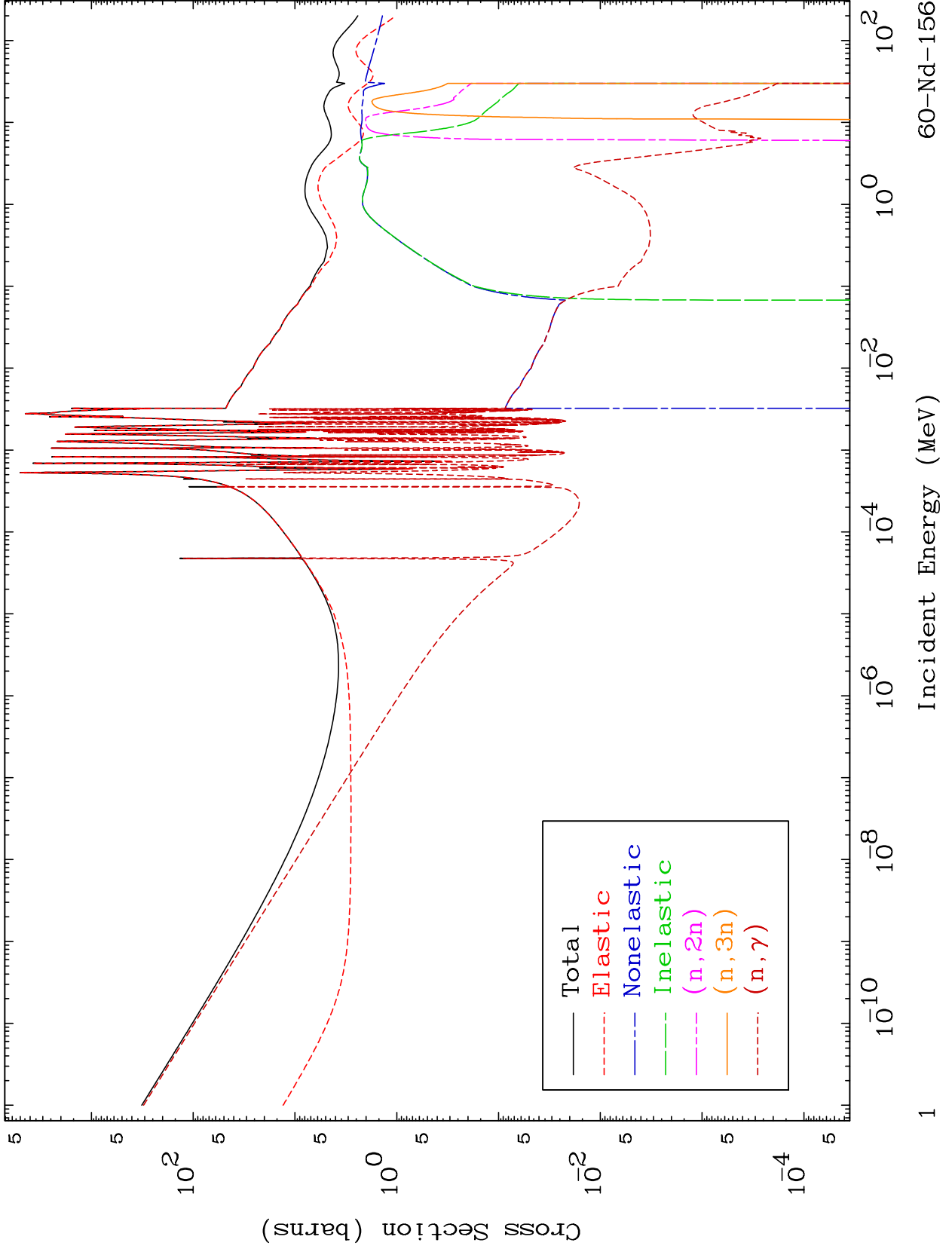
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

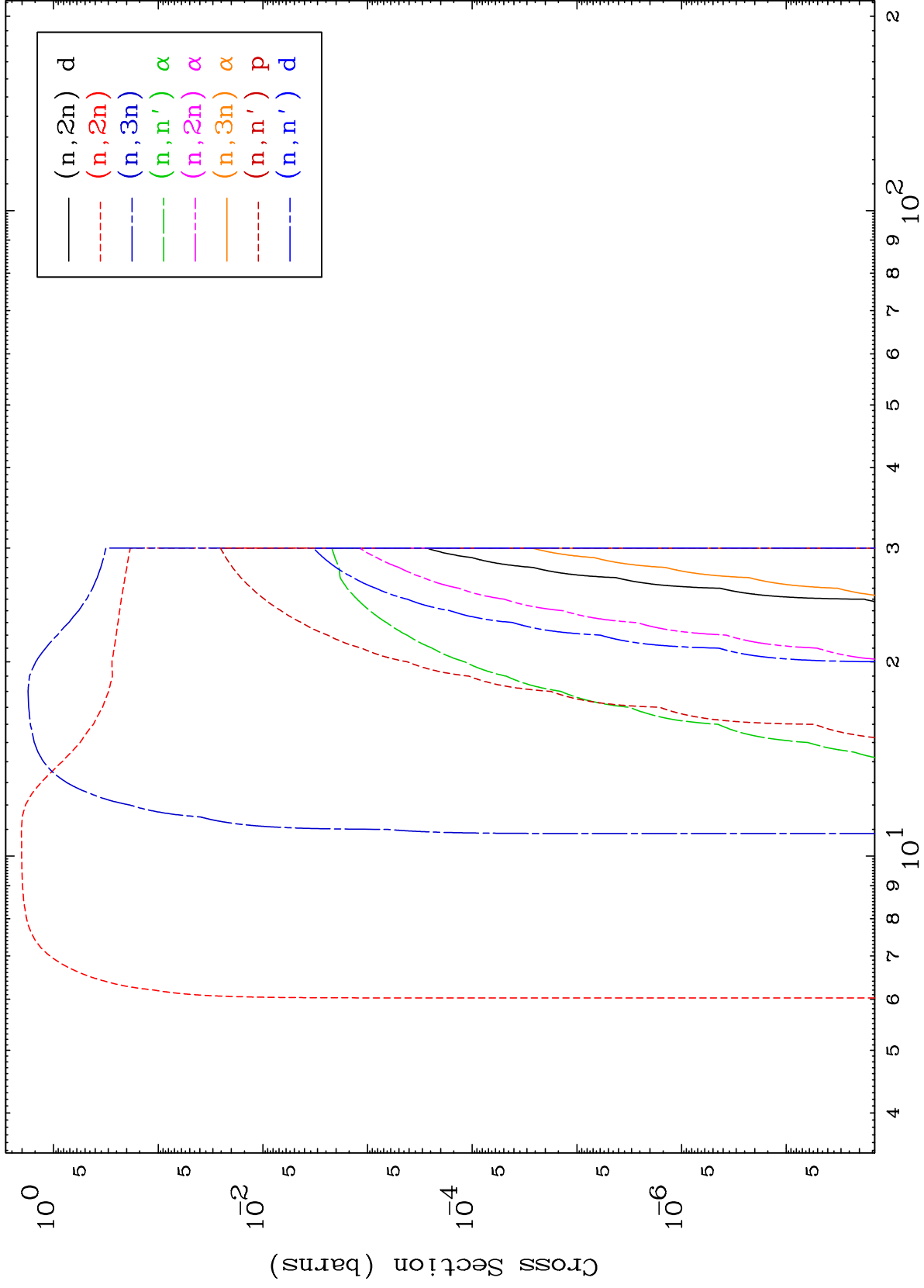
Press Mouse Button to Start

MAT 6067

Neutron Major  
293 Kelvin Cross Sections

60-Nd-156

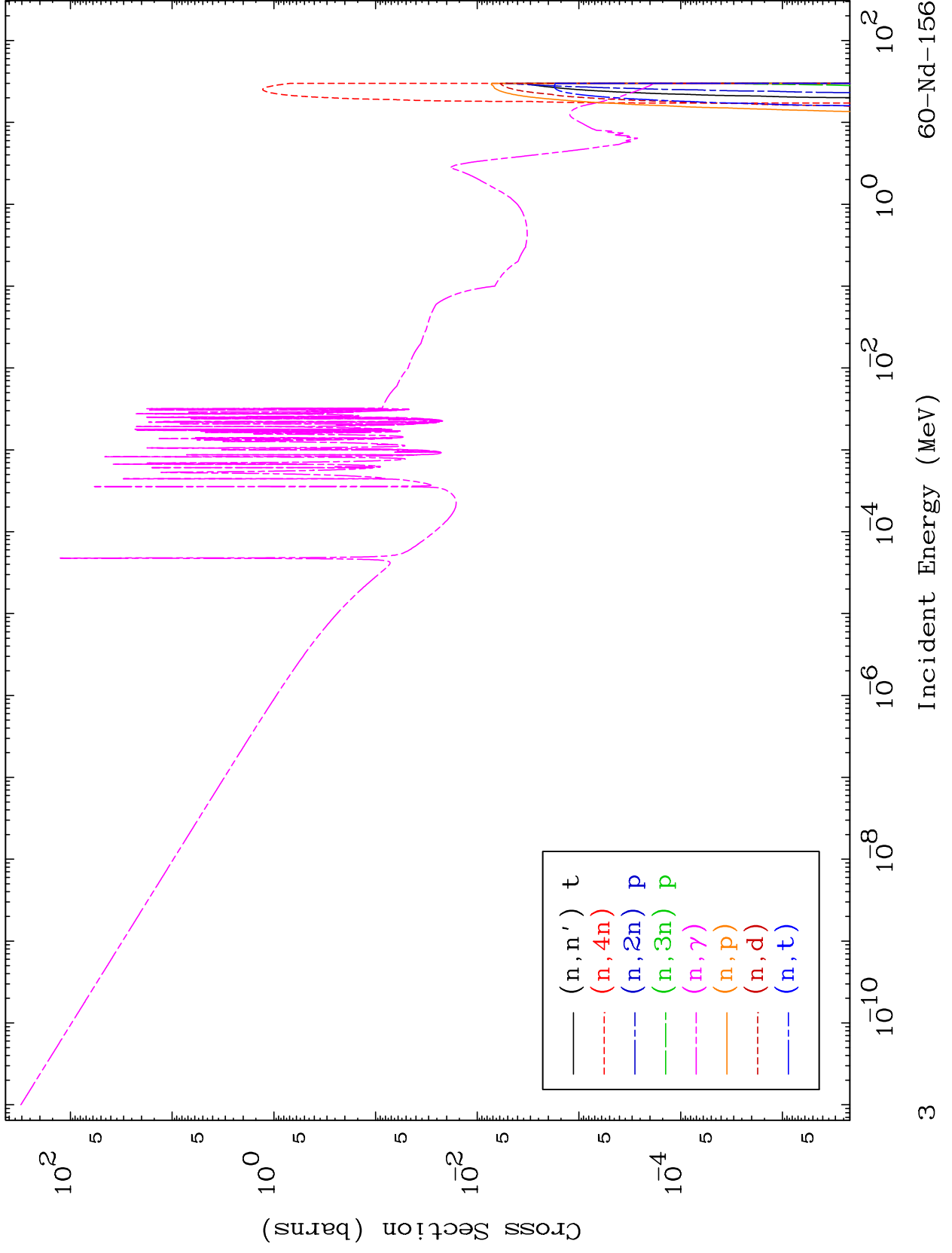




MAT 6067

Neutron Absorption  
293 Kelvin Cross Sections

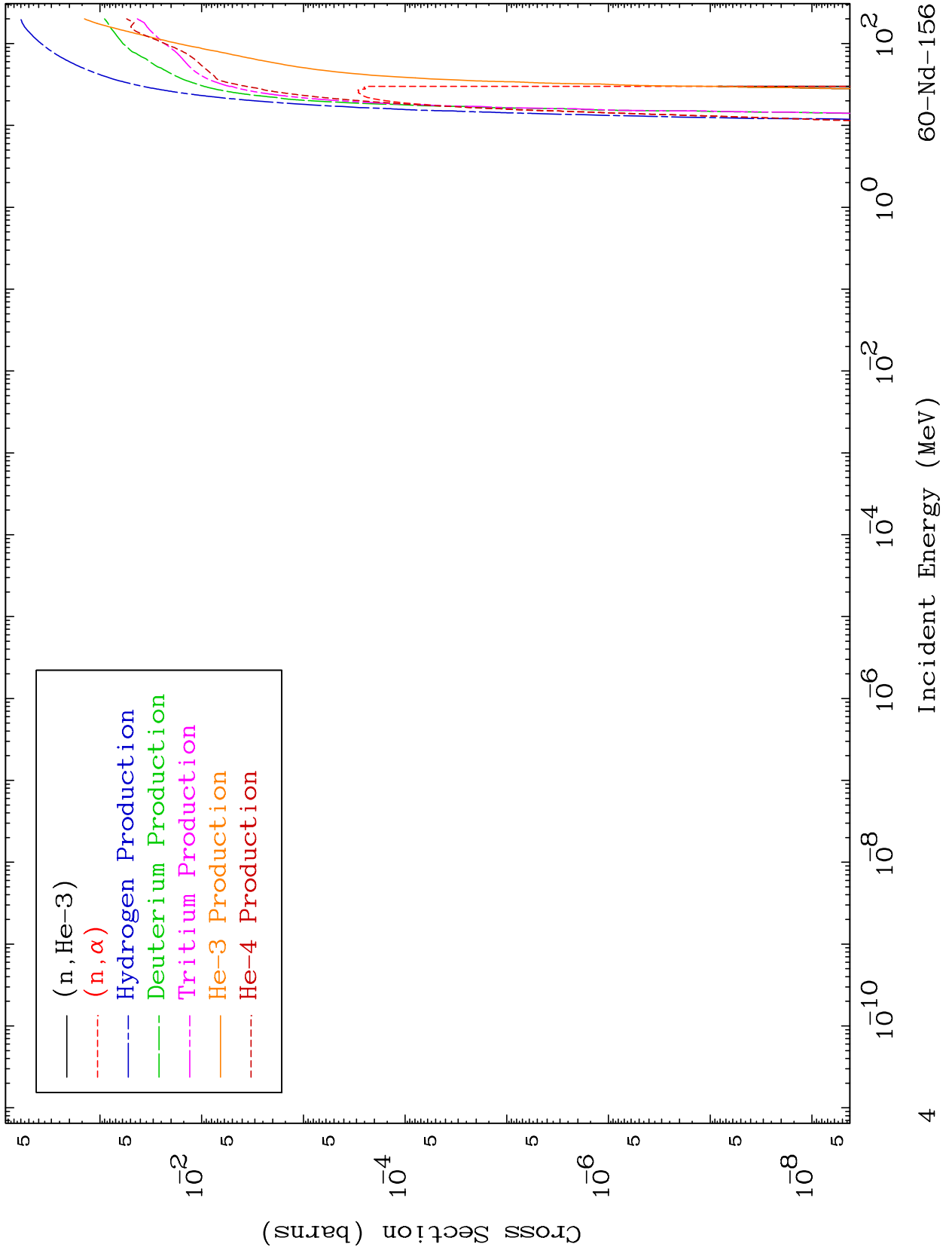
60-Nd-156

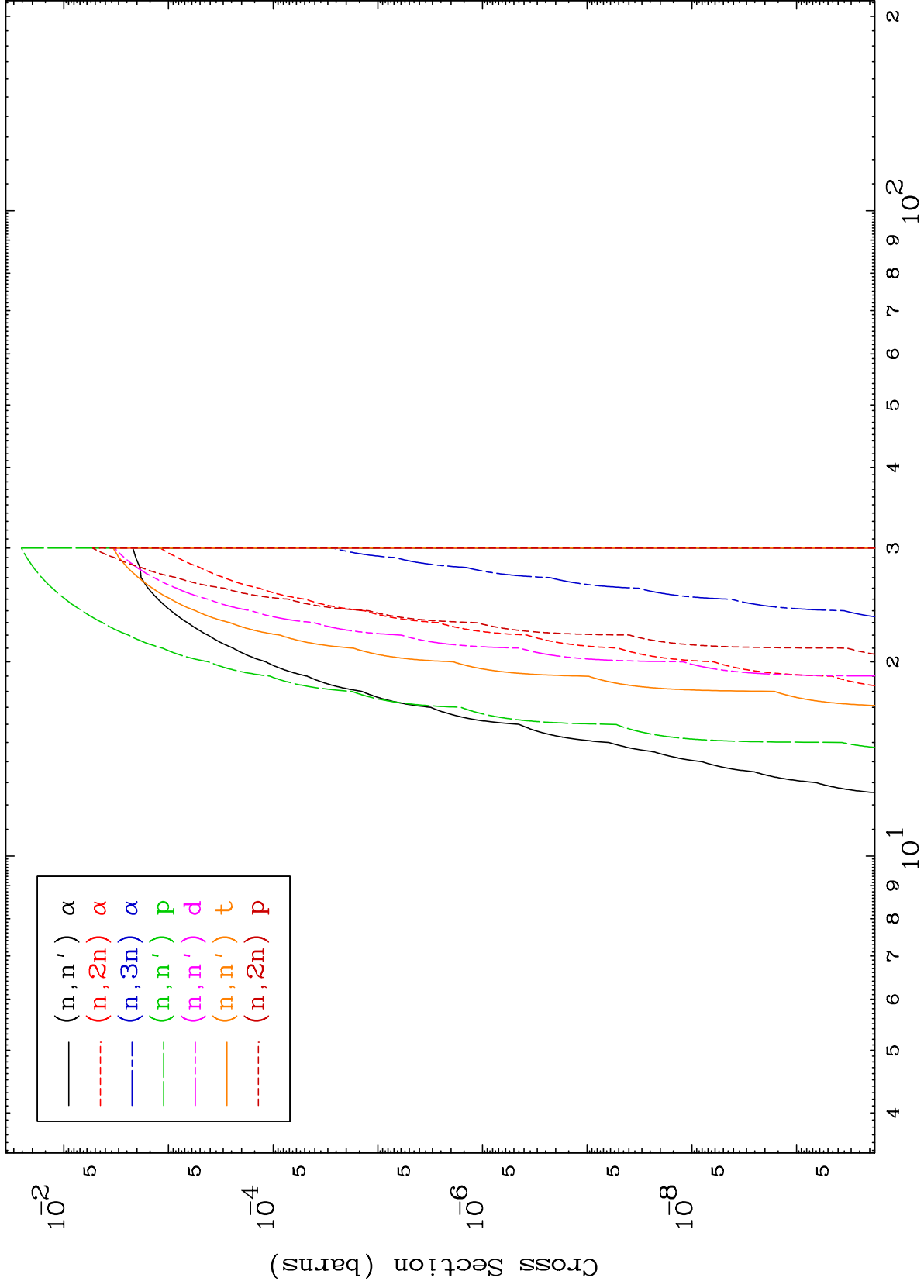


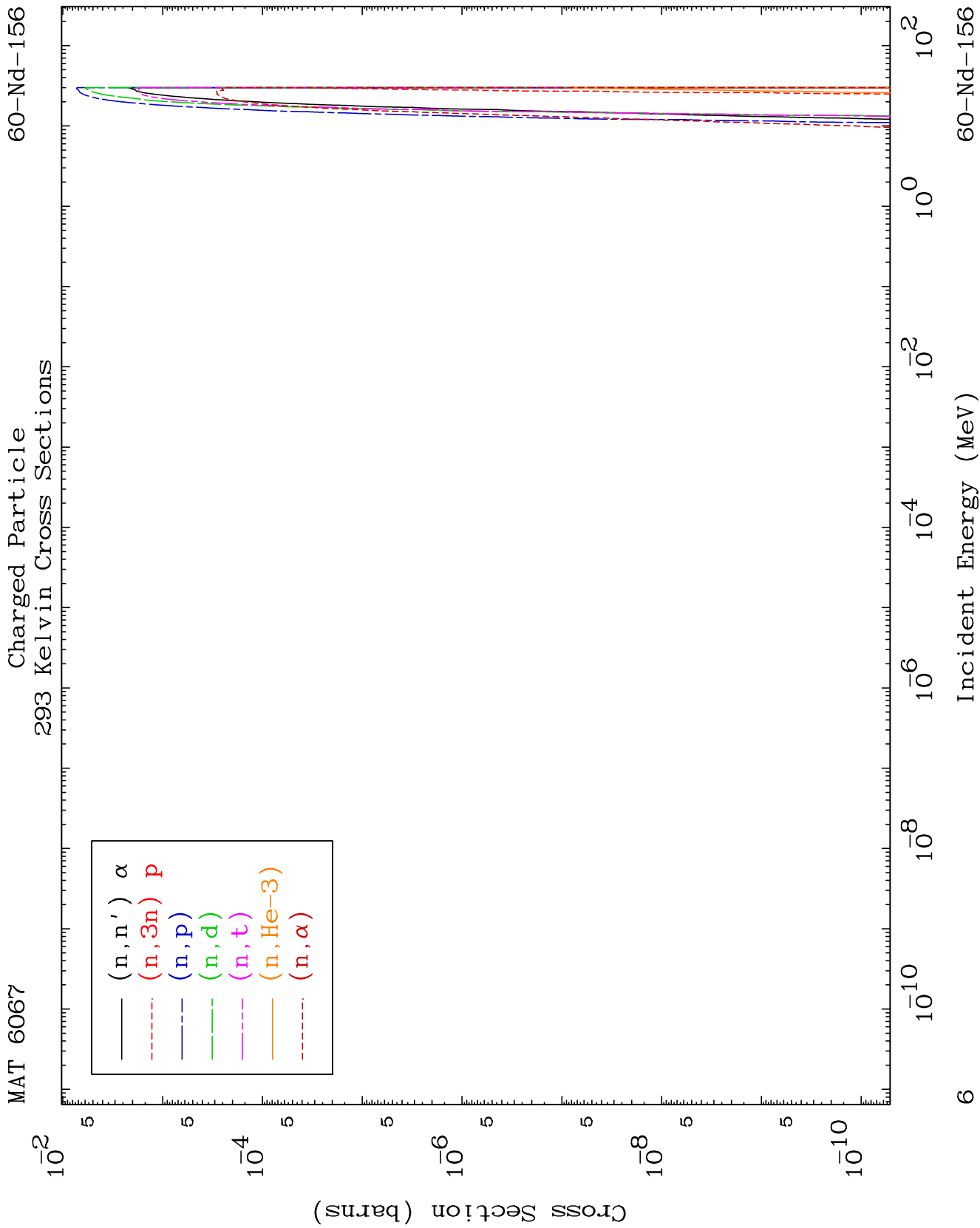
MAT 6067

Neutron Absorption  
293 Kelvin Cross Sections

60-Nd-156



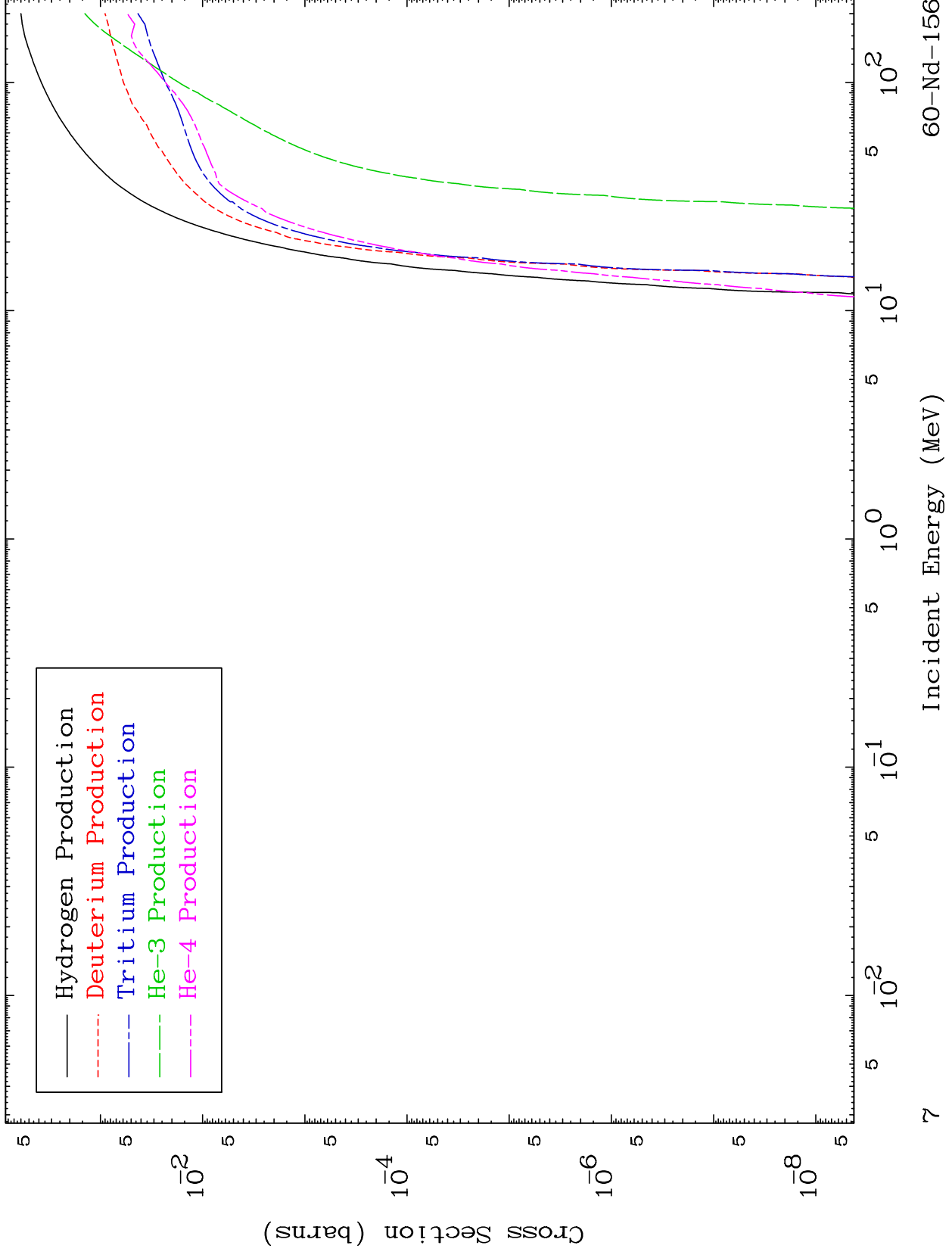




MAT 6067

Particle Production  
293 Kelvin Cross Sections

60-Nd-156

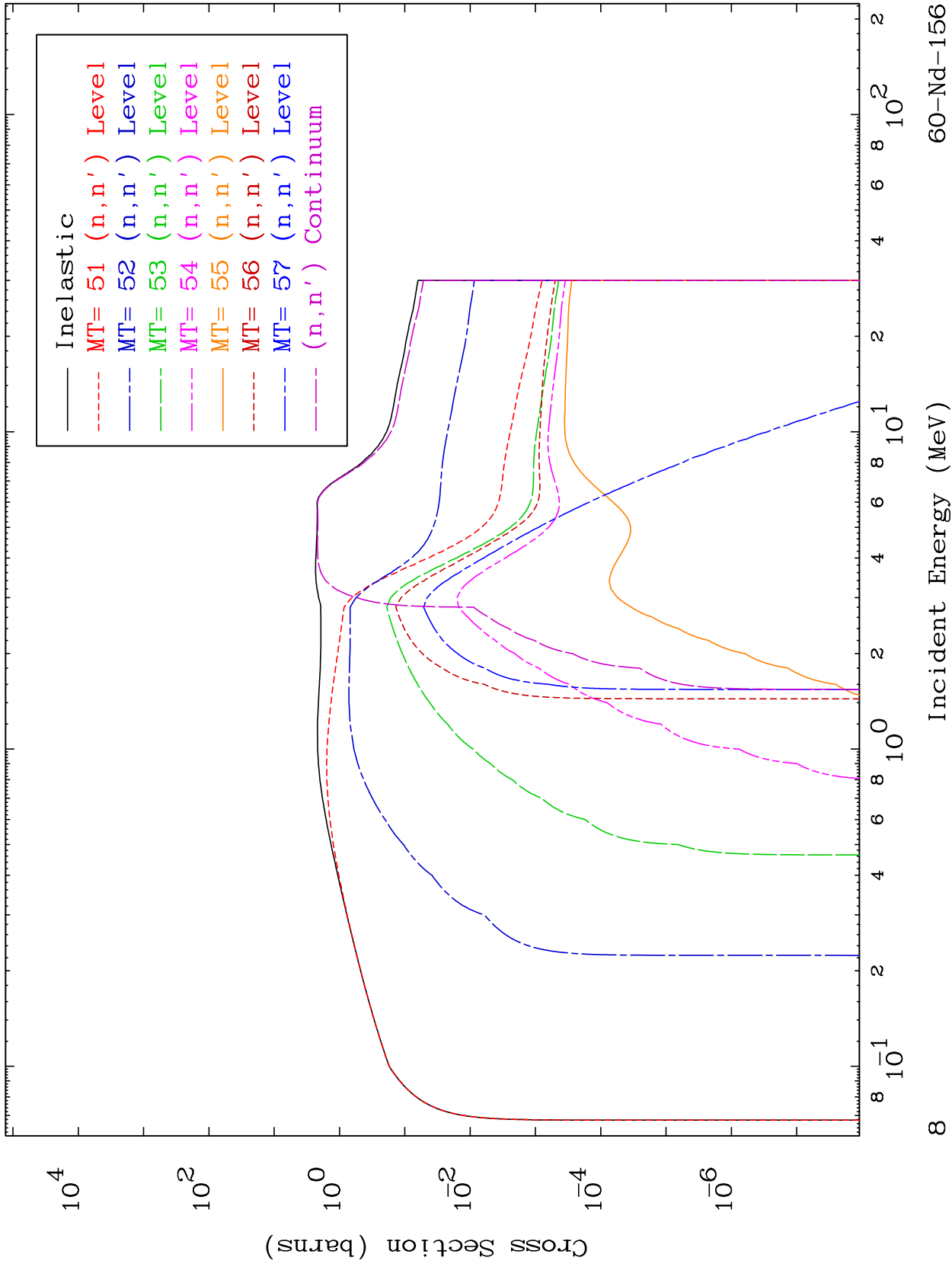


MAT 6067

(n,n') Levels

293 Kelvin Cross Sections

60-Nd-156



8

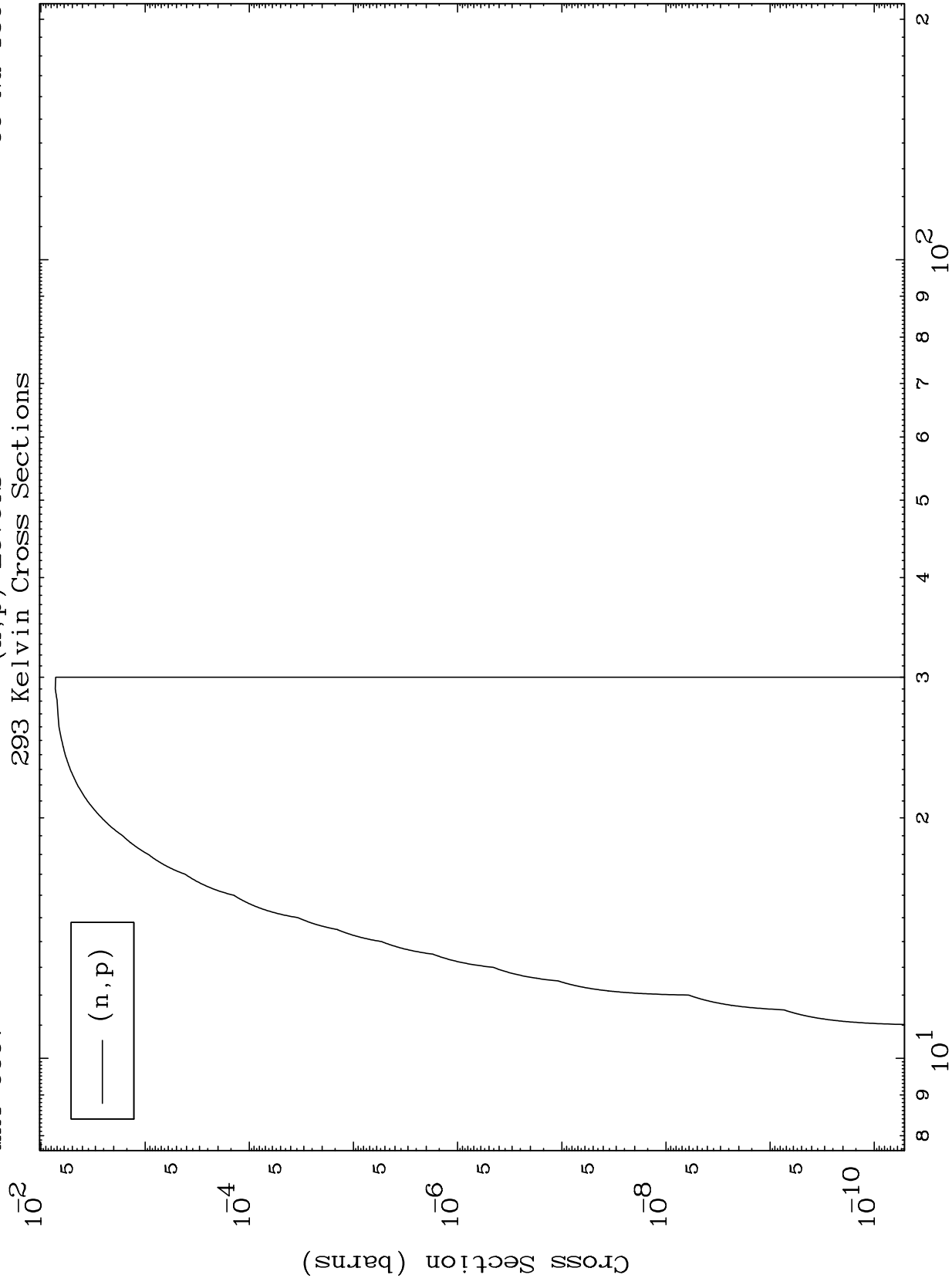
Incident Energy (MeV)

60-Nd-156

MAT 6067

(n,p) Levels  
293 Kelvin Cross Sections

60-Nd-156



9

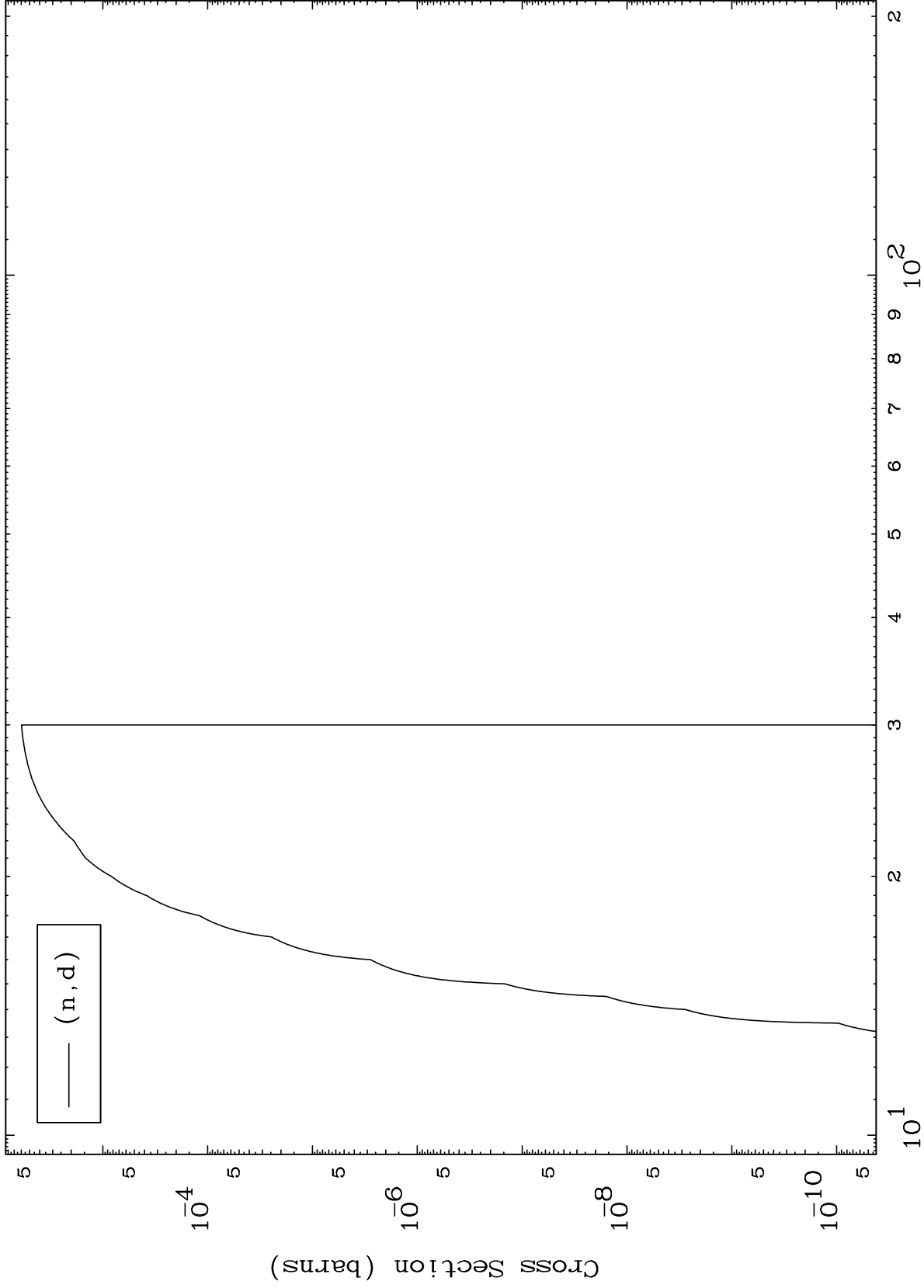
Incident Energy (MeV)

60-Nd-156

MAT 6067

(n,d) Levels  
293 Kelvin Cross Sections

60-Nd-156



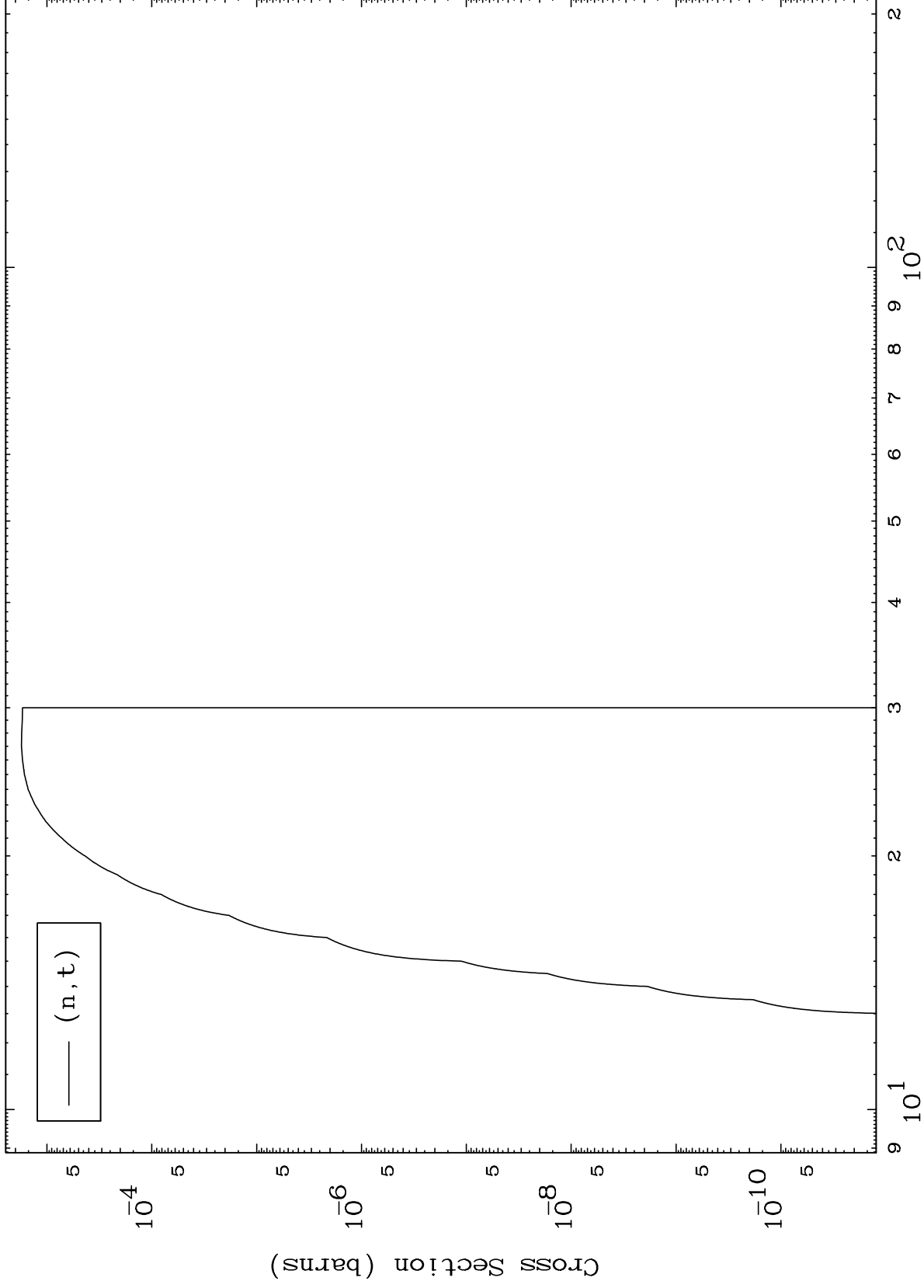
Incident Energy (MeV)

60-Nd-156

MAT 6067

(n,t) Levels  
293 Kelvin Cross Sections

60-Nd-156



11

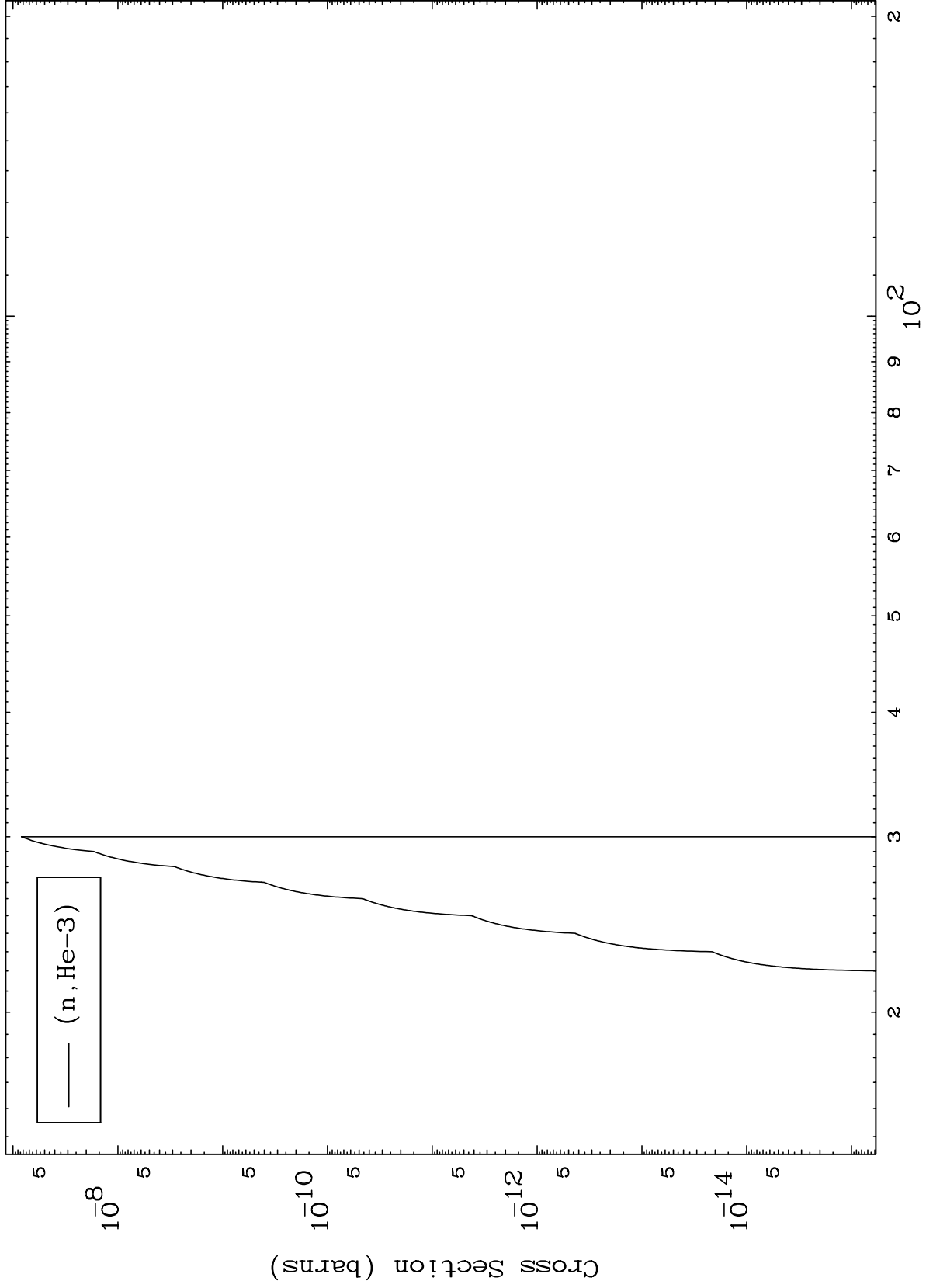
Incident Energy (MeV)

60-Nd-156

MAT 6067

(n,He3) Levels  
293 Kelvin Cross Sections

60-Nd-156



12

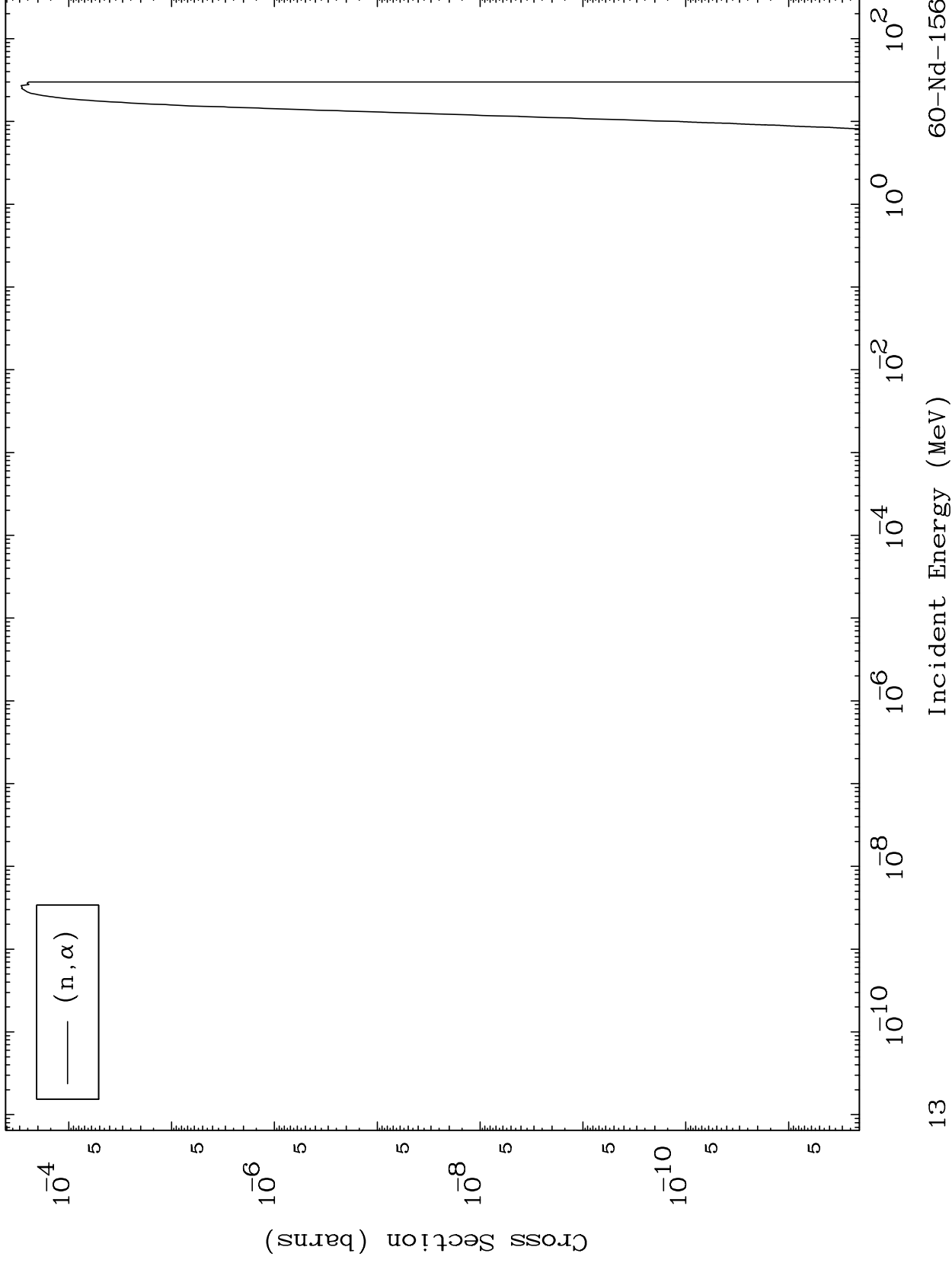
Incident Energy (MeV)

60-Nd-156

MAT 6067

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

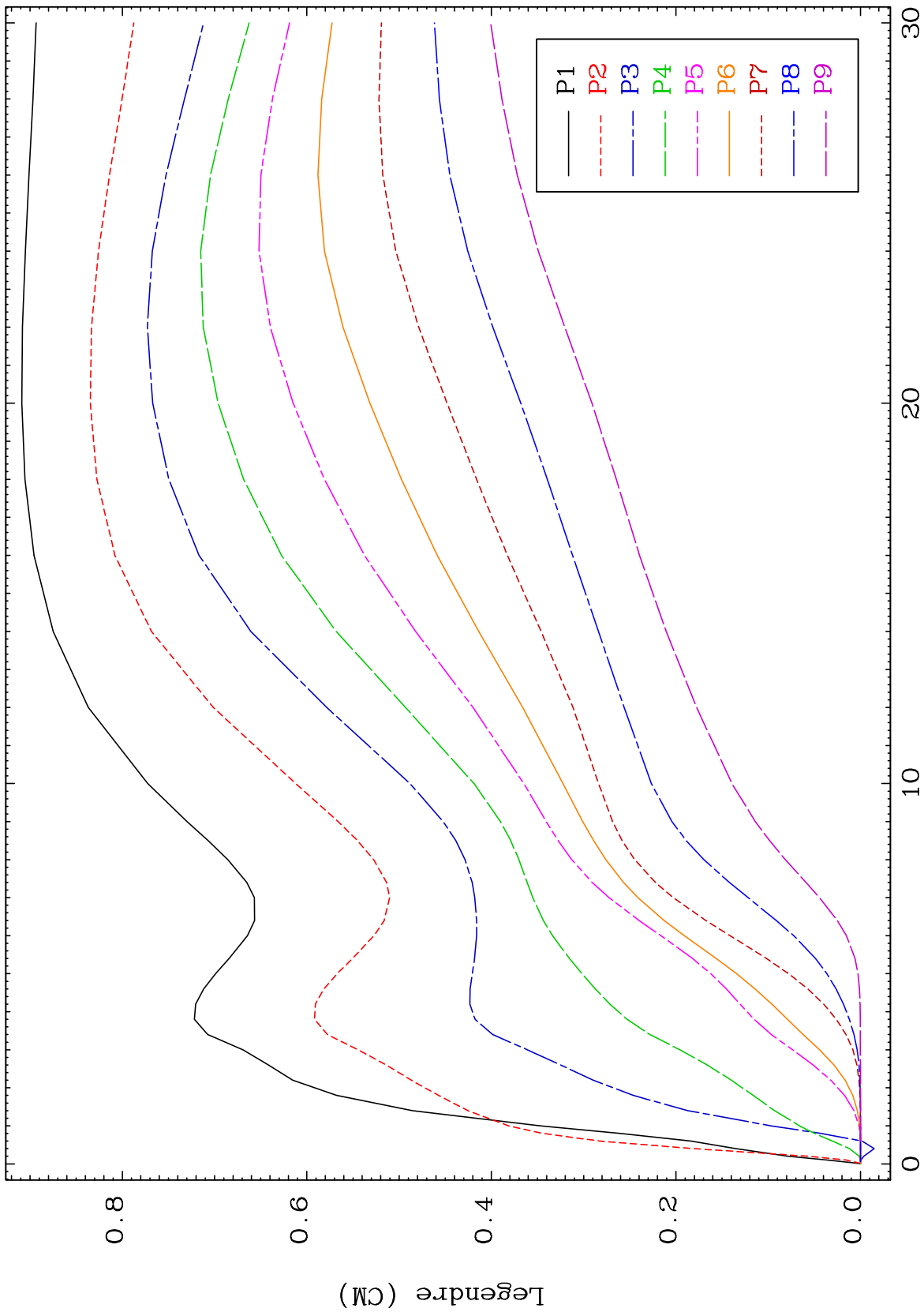
60-Nd-156



MAT 6067

60-Nd-156

Elastic Legendre Coefficients



14

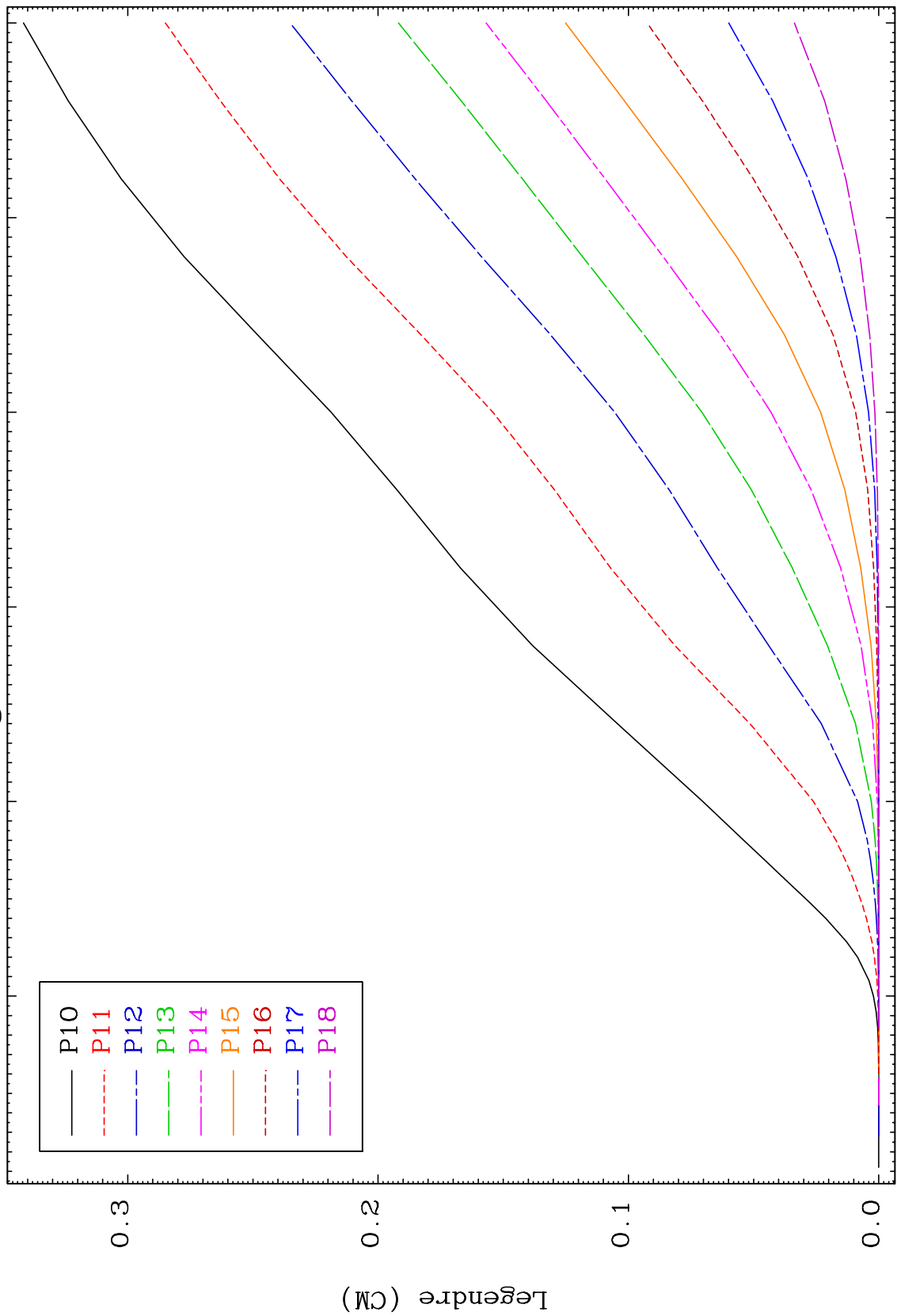
Incident Energy (MeV)

60-Nd-156

MAT 6067

Elastic Legendre Coefficients

60-Nd-156



15

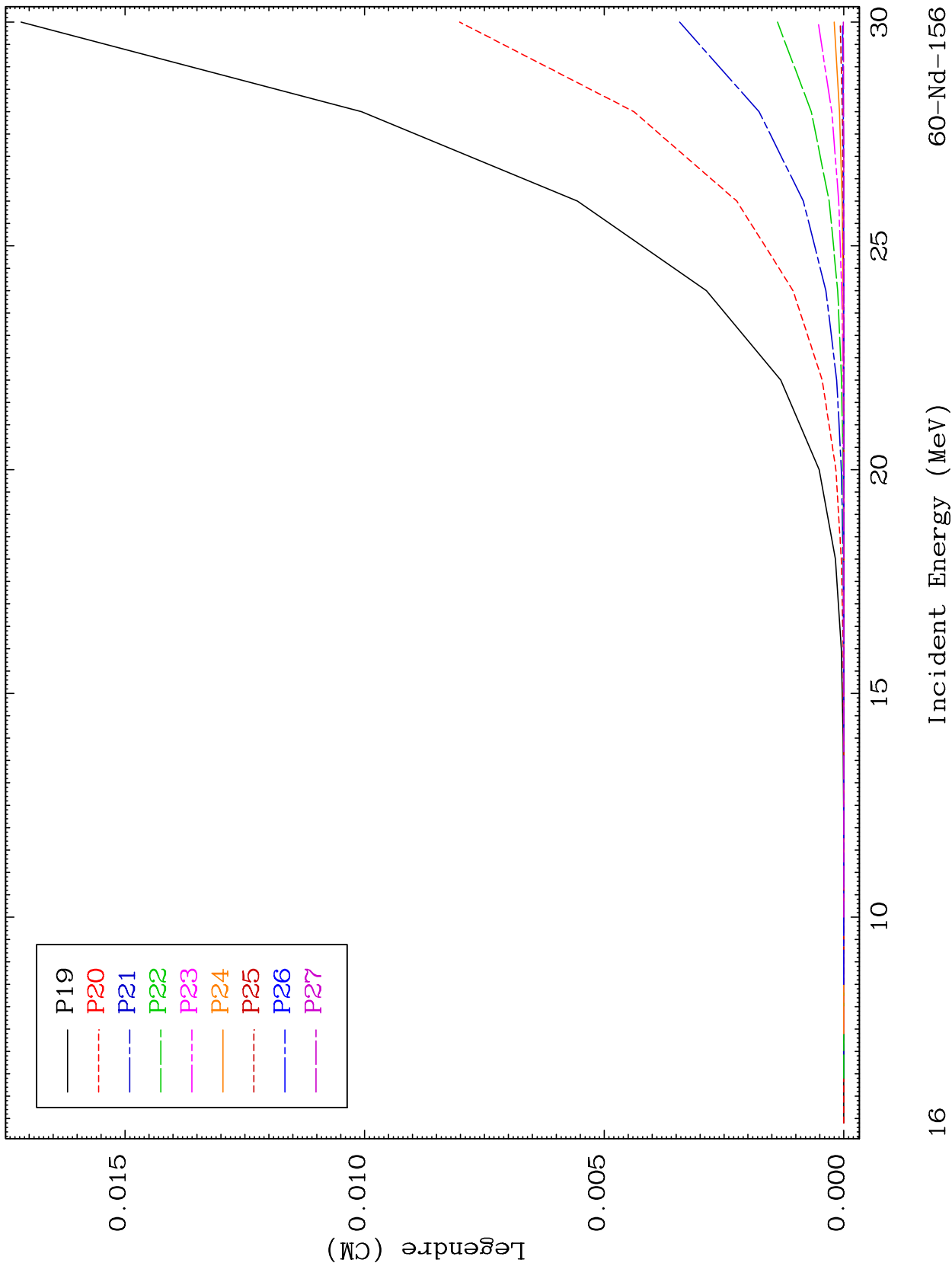
Incident Energy (MeV)

60-Nd-156

MAT 6067

### Elastic Legendre Coefficients

60-Nd-156



16

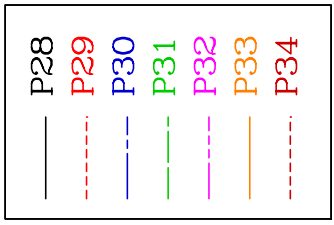
Incident Energy (MeV)

60-Nd-156

MAT 6067

Elastic Legendre Coefficients

60-Nd-156



$\times 10^{-6}$   
2.5  
2.0

Legendre (CM)

1.5  
1.0  
0.5  
0.0

10

15

20

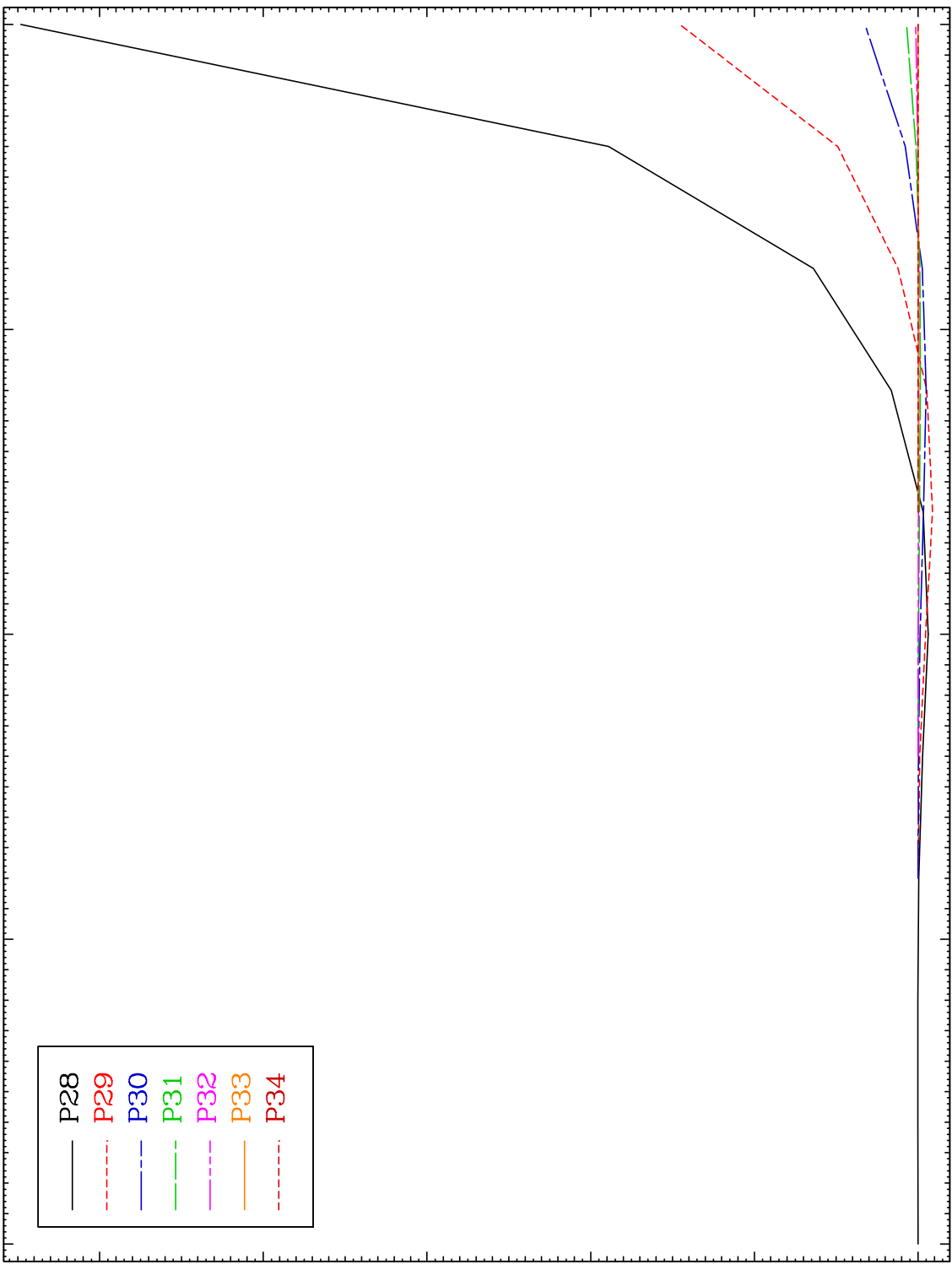
25

30

17

Incident Energy (MeV)

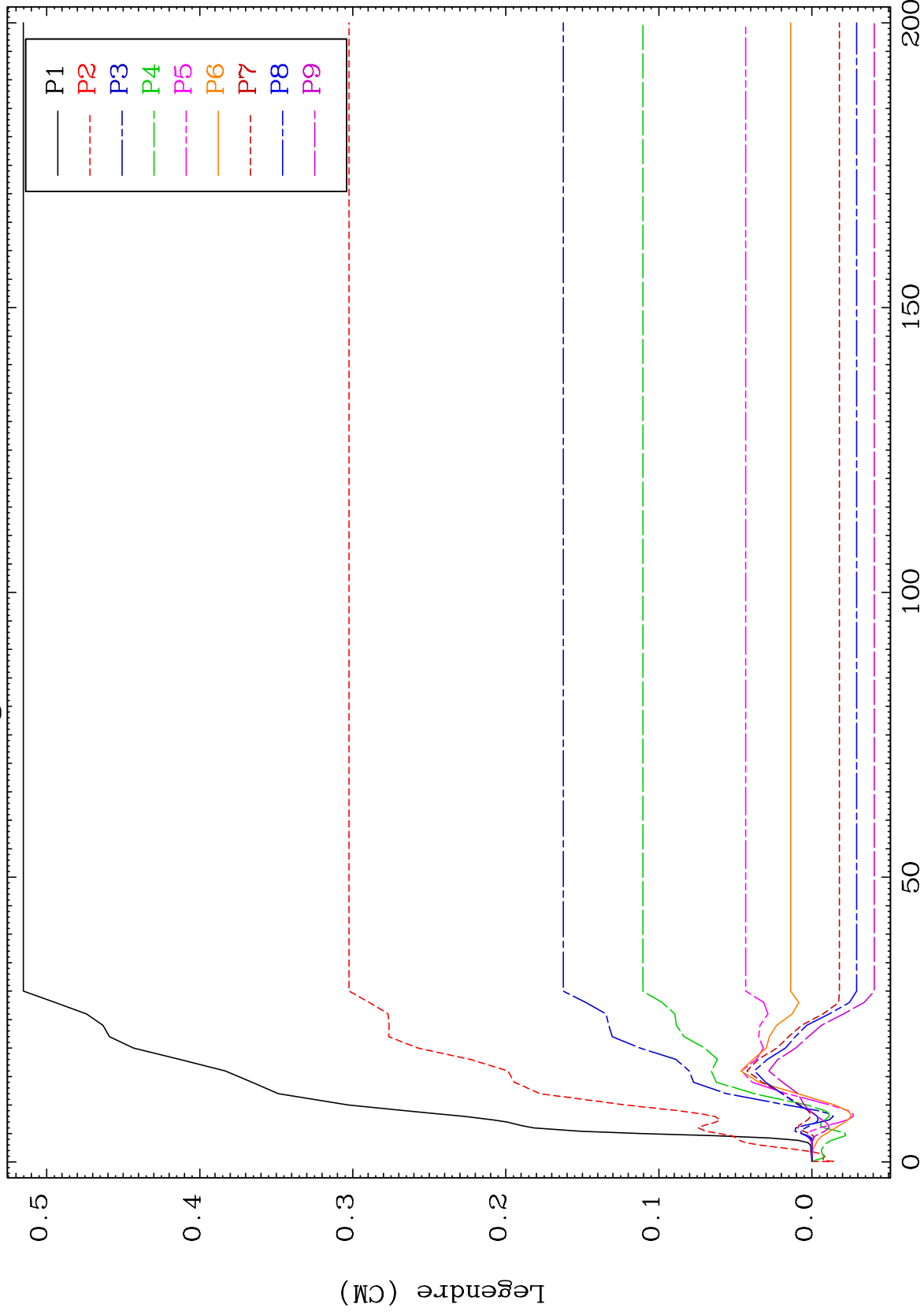
60-Nd-156



MAT 6067

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

60-Nd-156



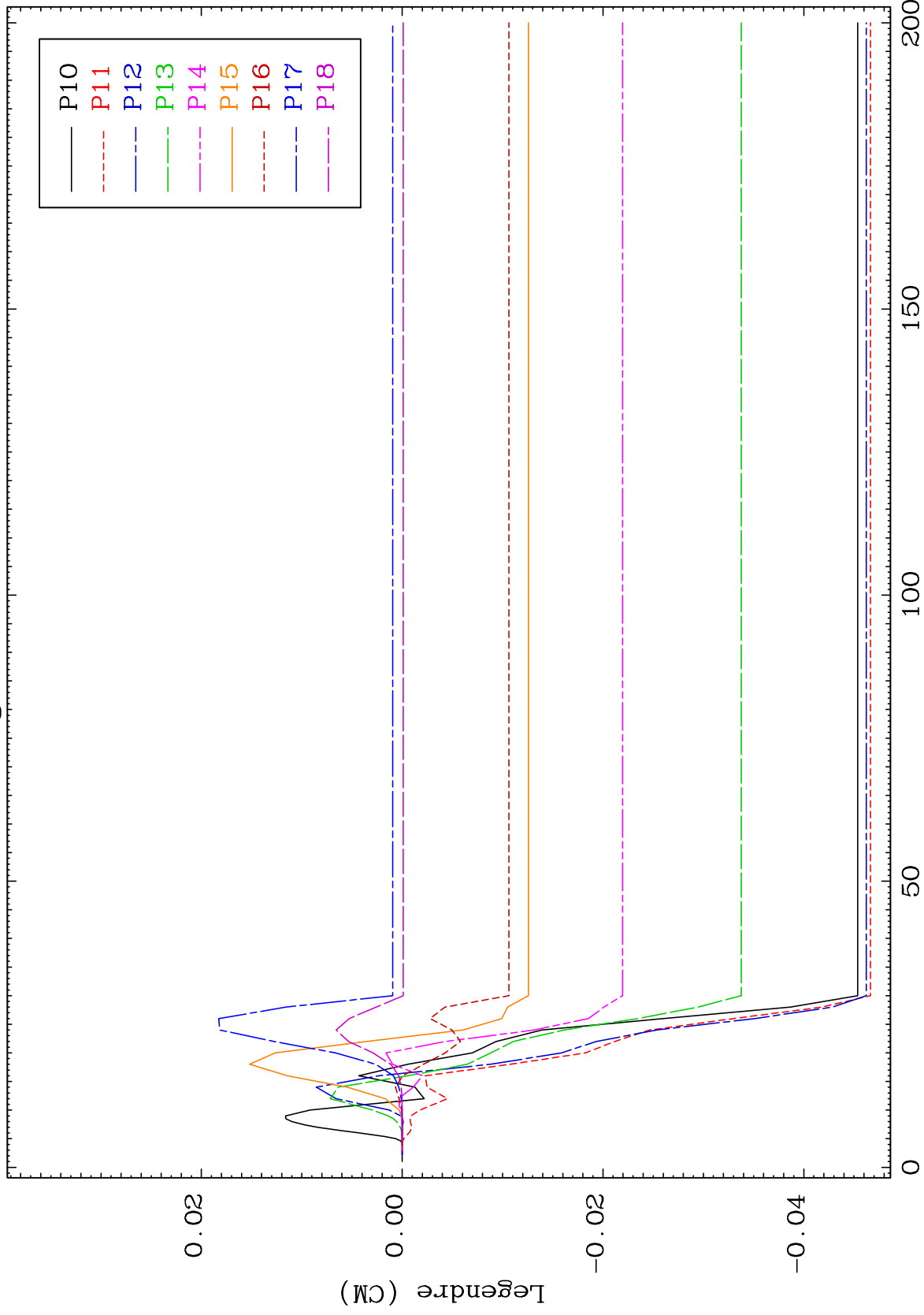
18

60-Nd-156

MAT 6067

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

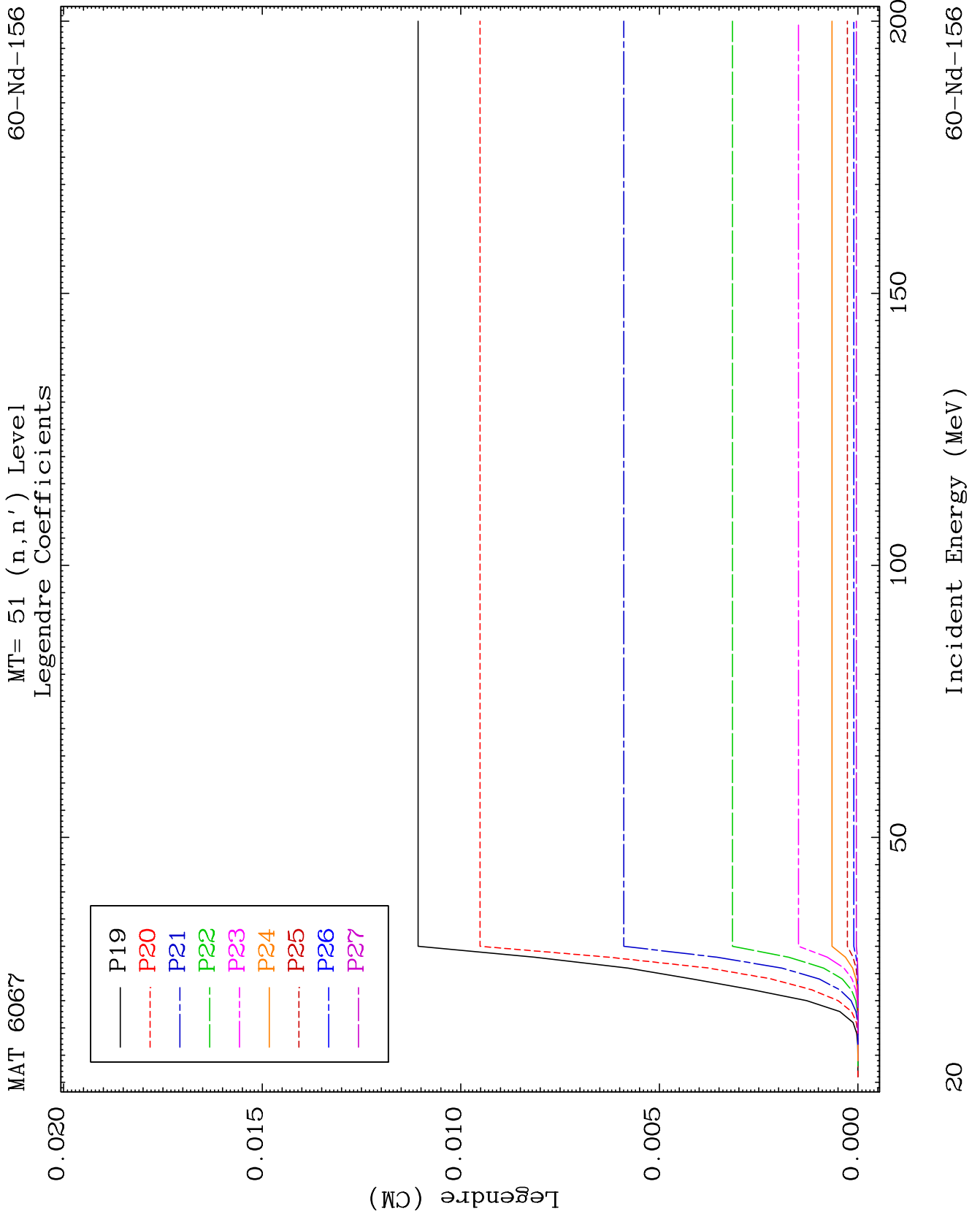
60-Nd-156



19

Incident Energy (MeV)

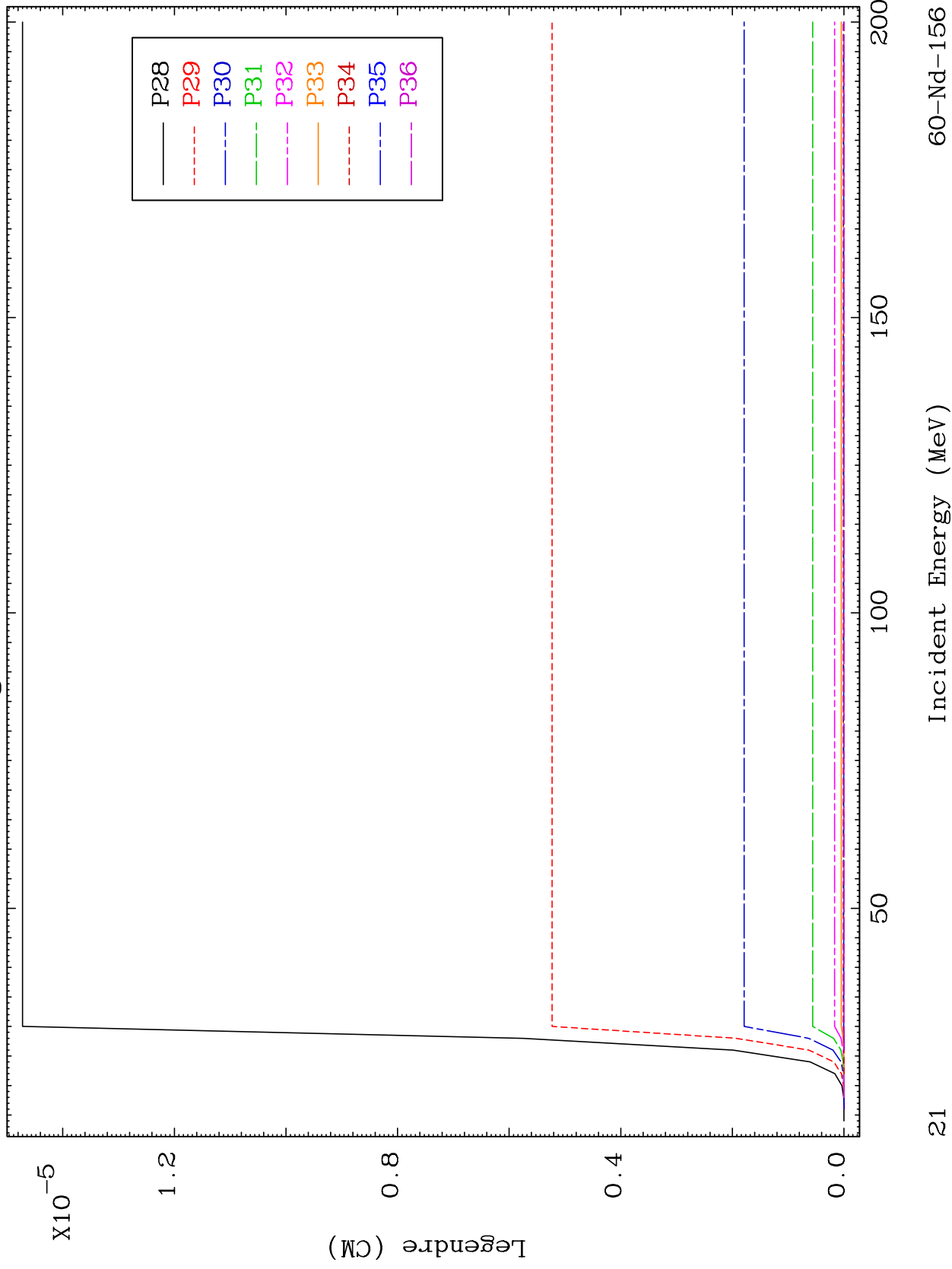
60-Nd-156



MAT 6067

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

60-Nd-156

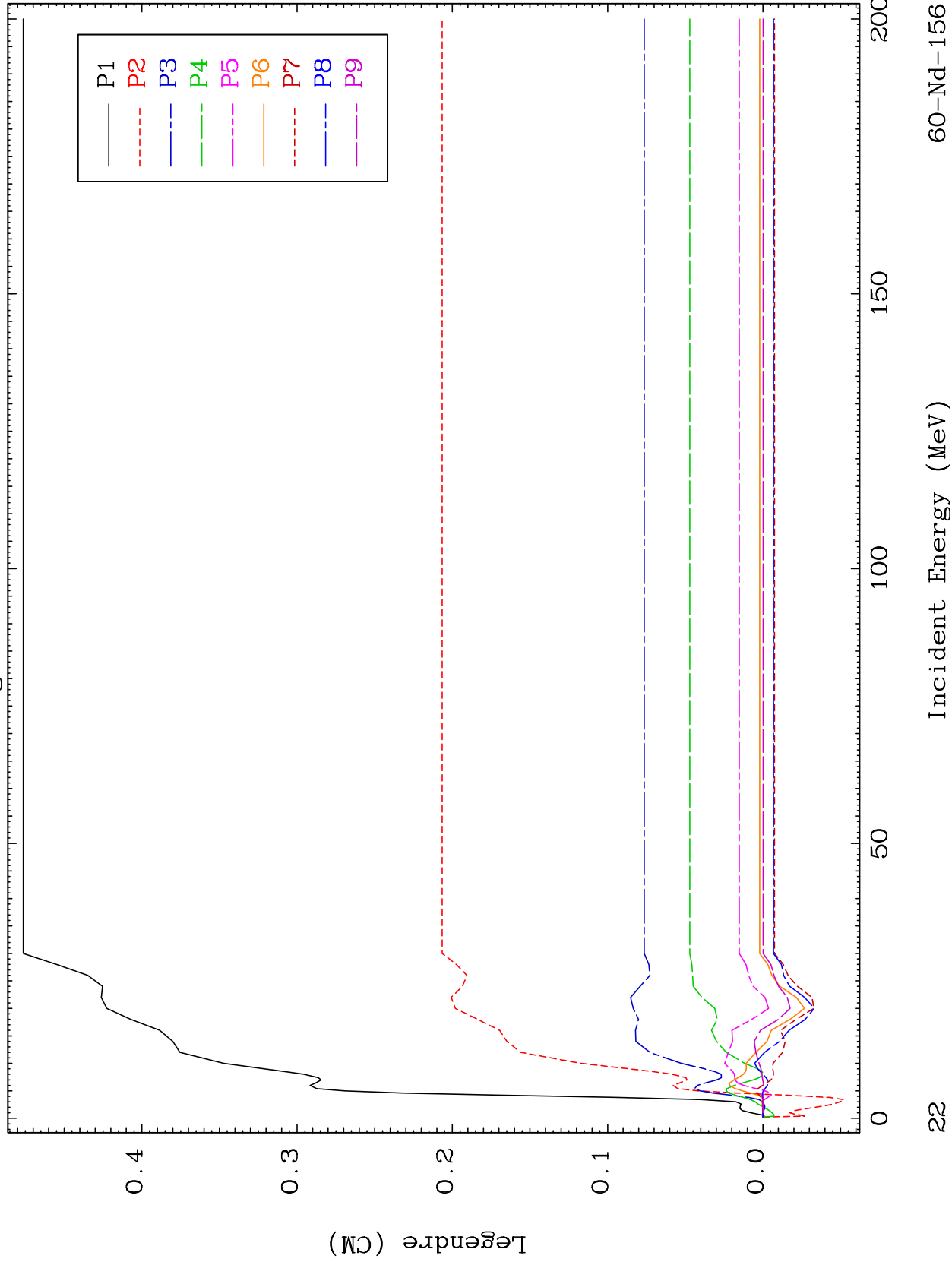


21

MAT 6067

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

60-Nd-156



60-Nd-156

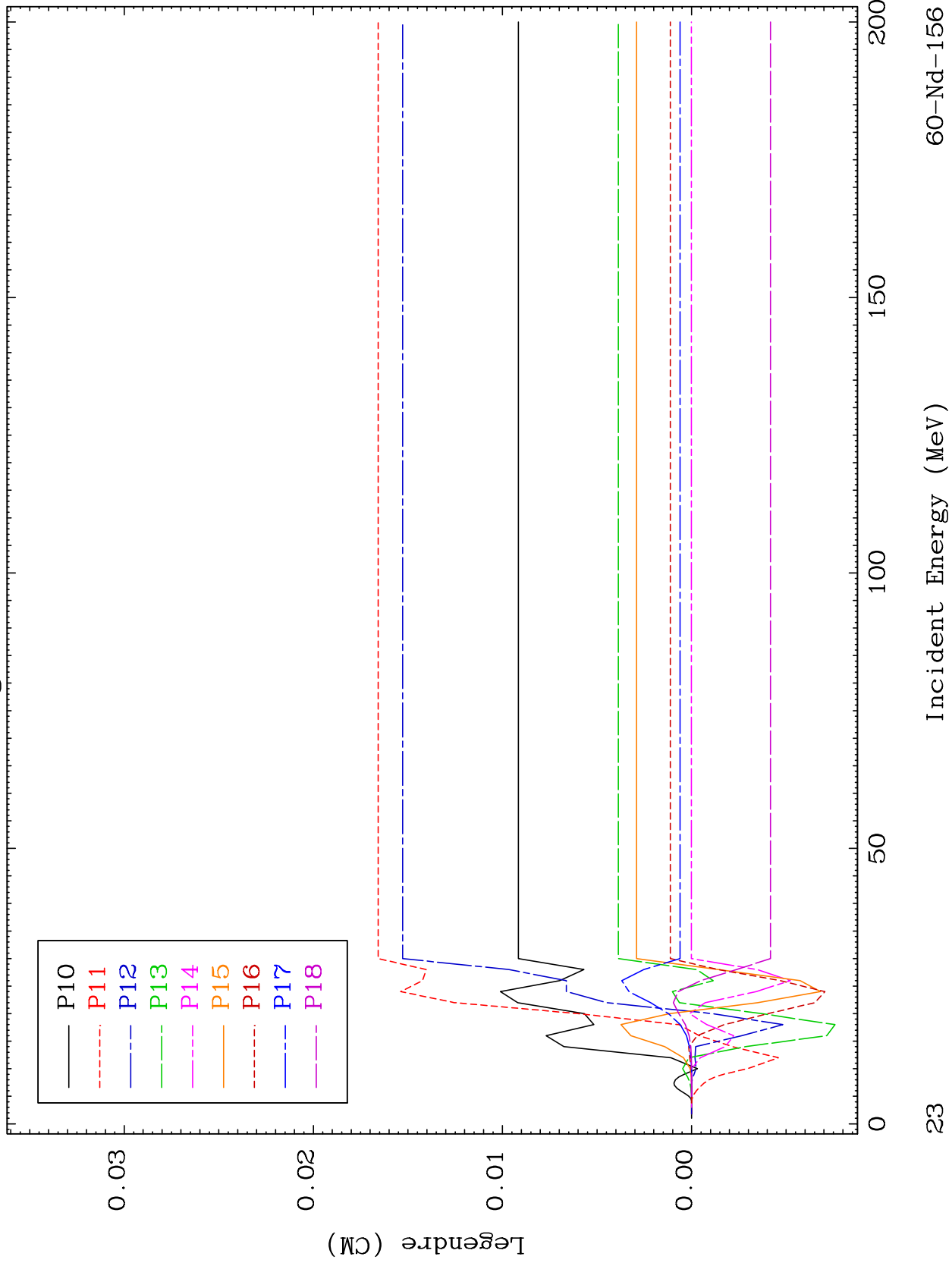
Incident Energy (MeV)

22

MAT 6067

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

60-Nd-156



23

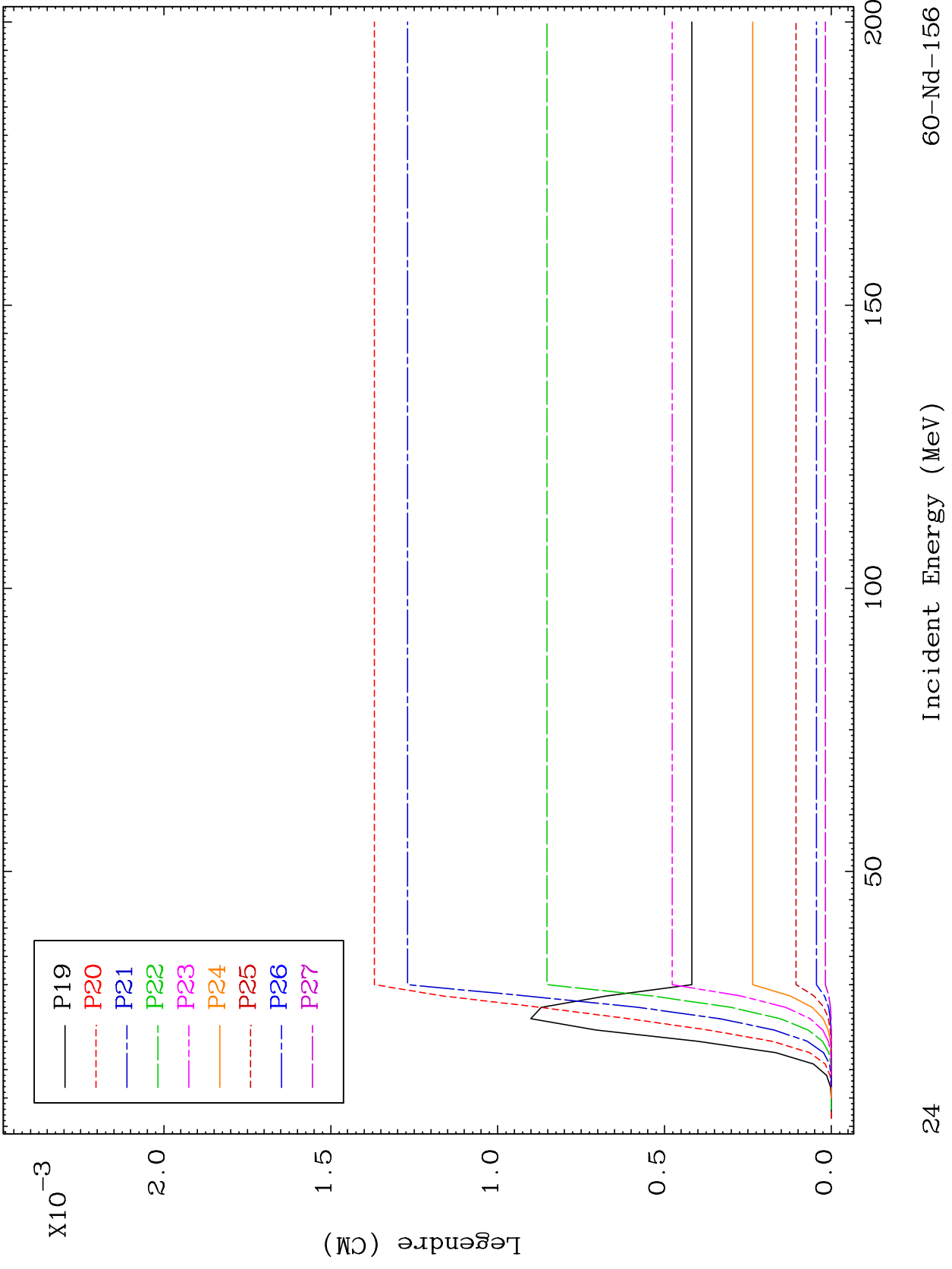
Incident Energy (MeV)

60-Nd-156

MAT 6067

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

60-Nd-156



24

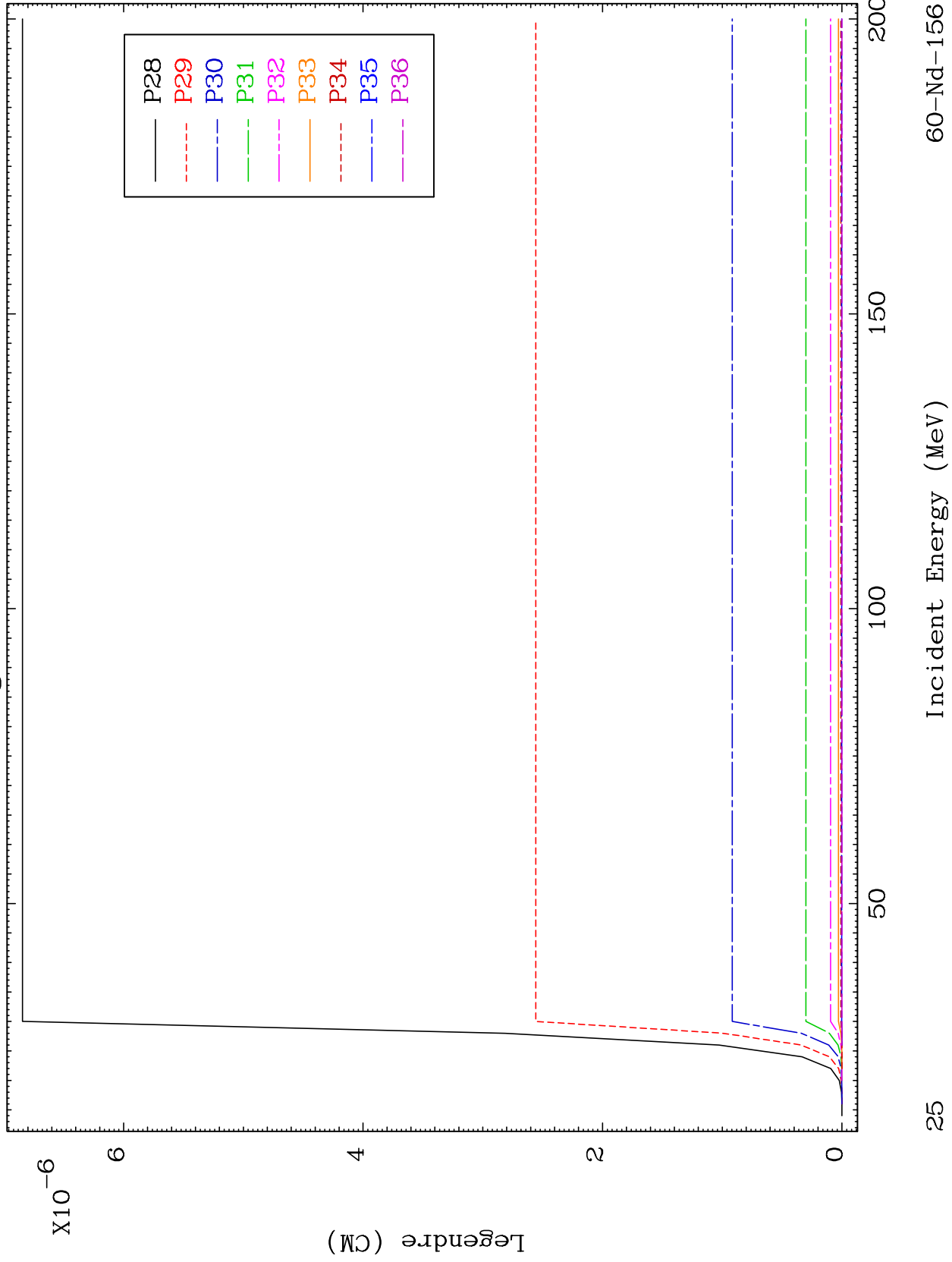
Incident Energy (MeV)

60-Nd-156

MAT 6067

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

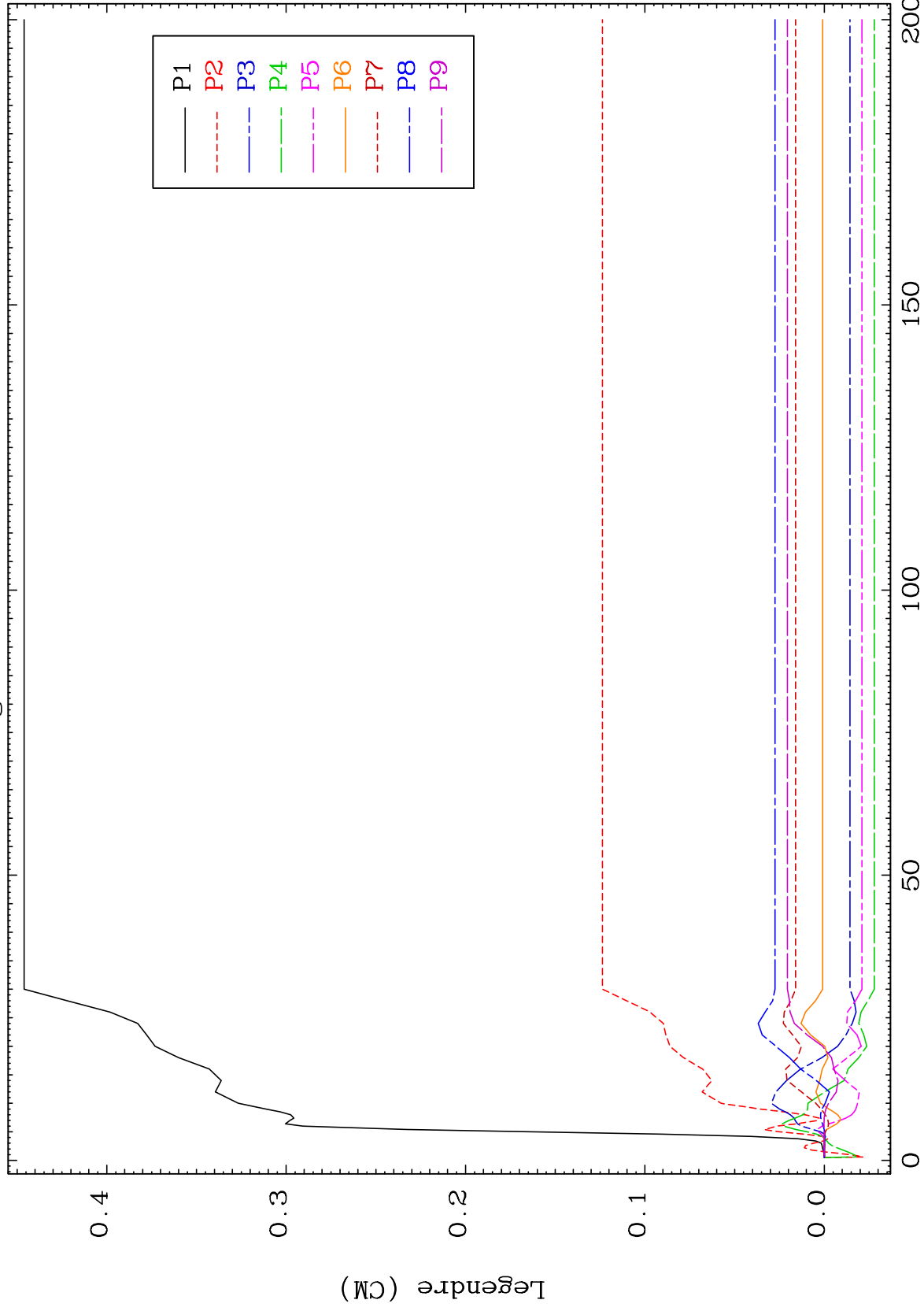
60-Nd-156



MAT 6067

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

60-Nd-156



26

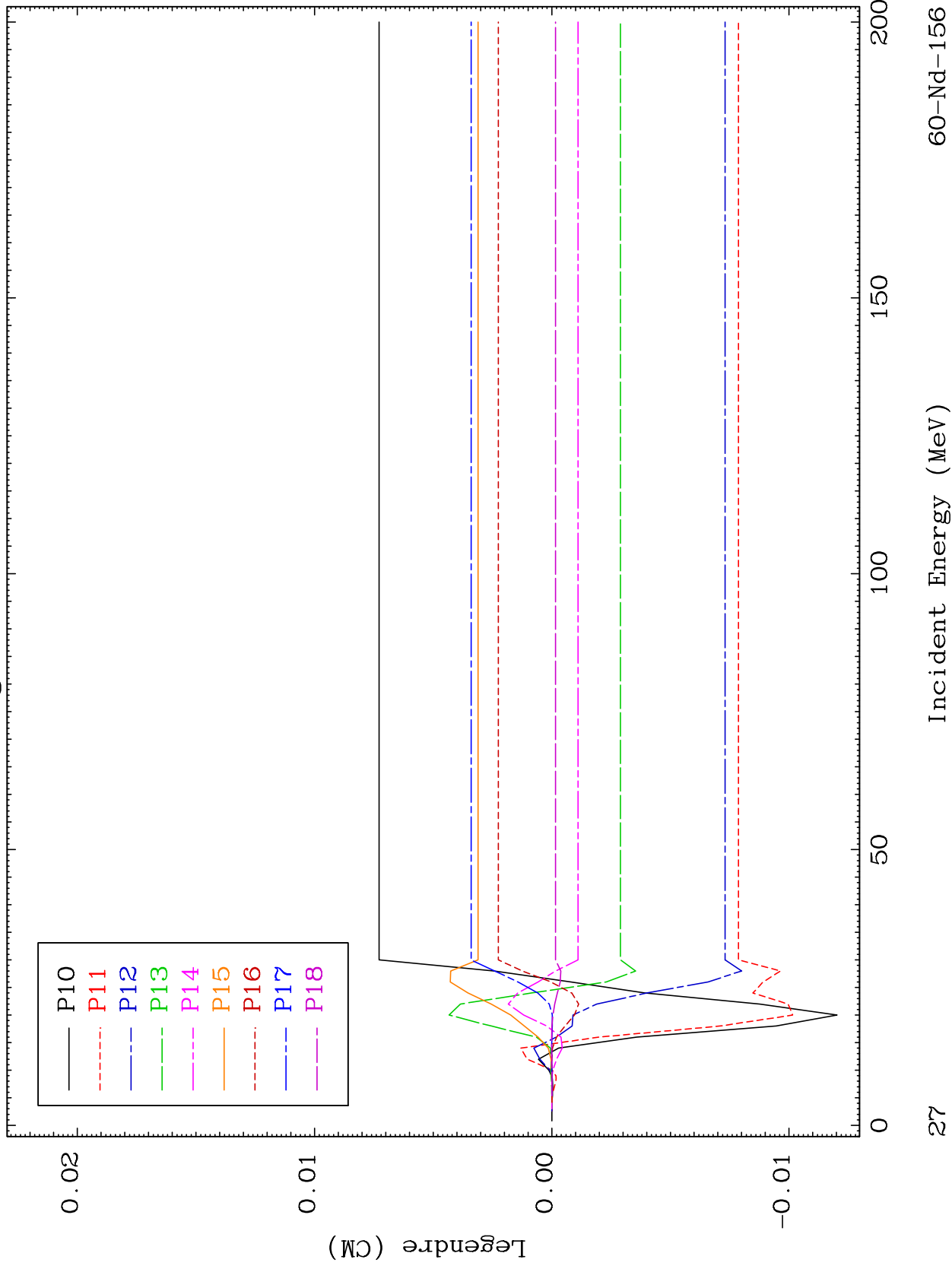
Incident Energy (MeV)

60-Nd-156

MAT 6067

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

60-Nd-156



27

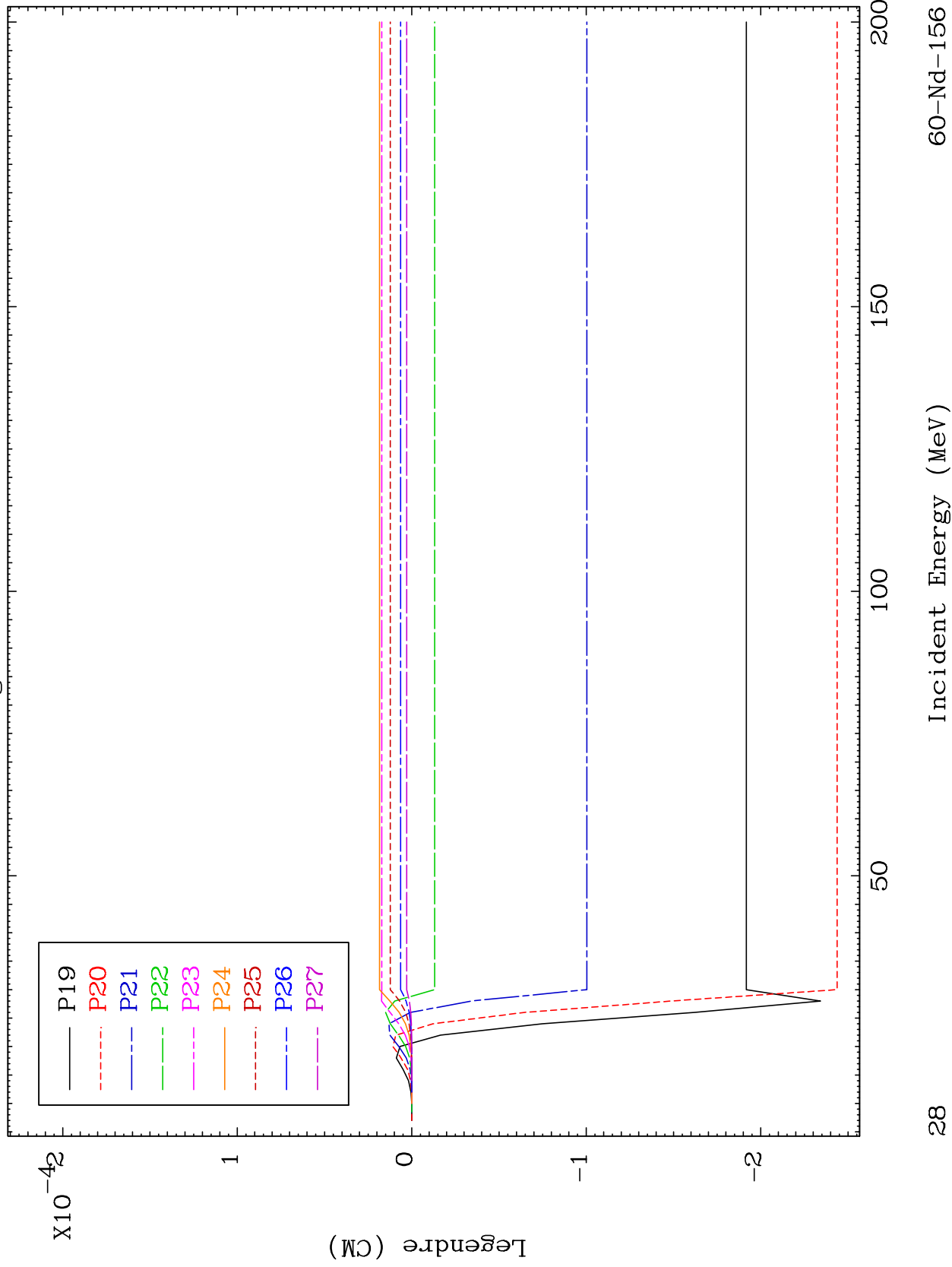
Incident Energy (MeV)

60-Nd-156

MAT 6067

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

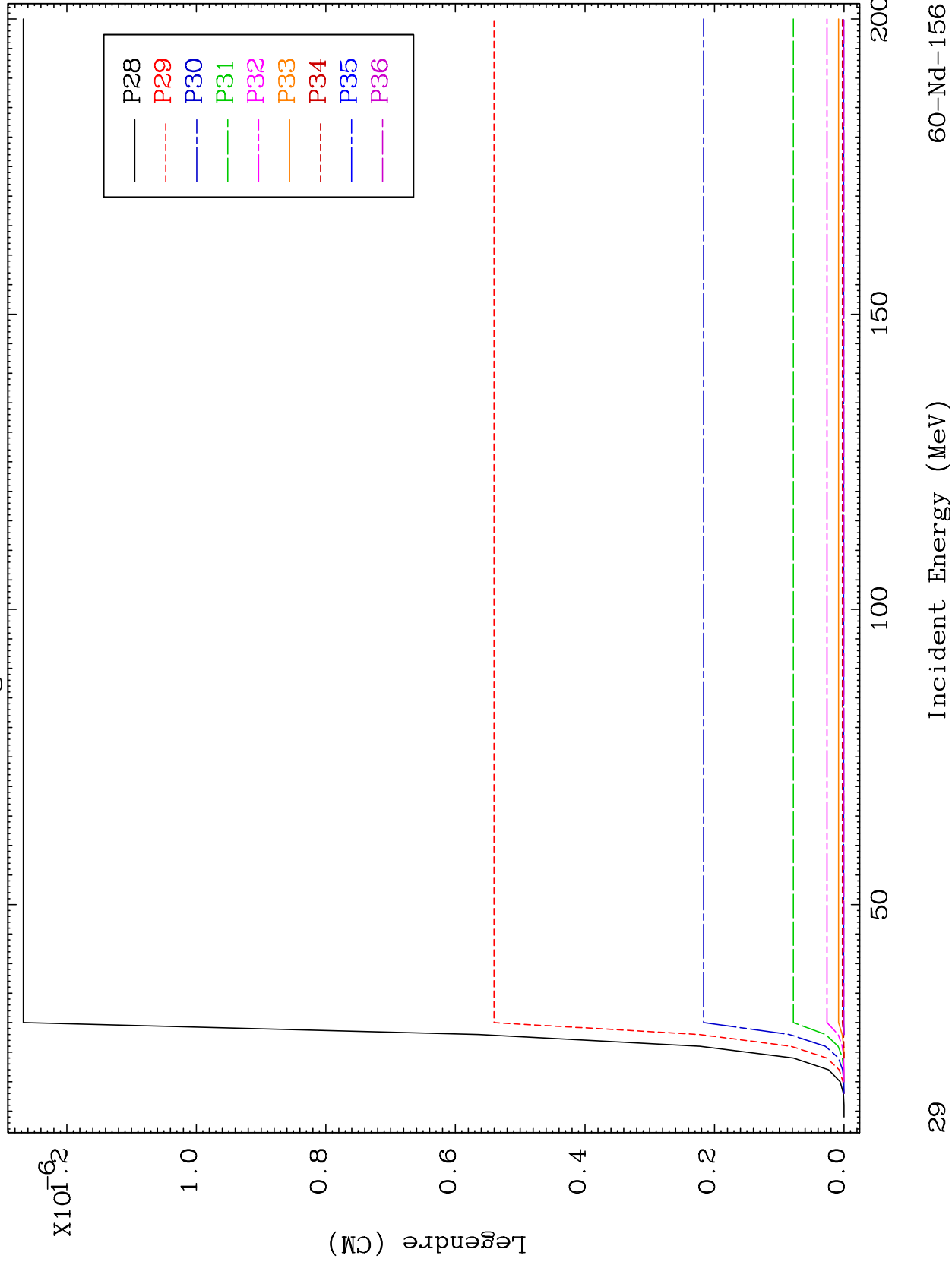
60-Nd-156



MAT 6067

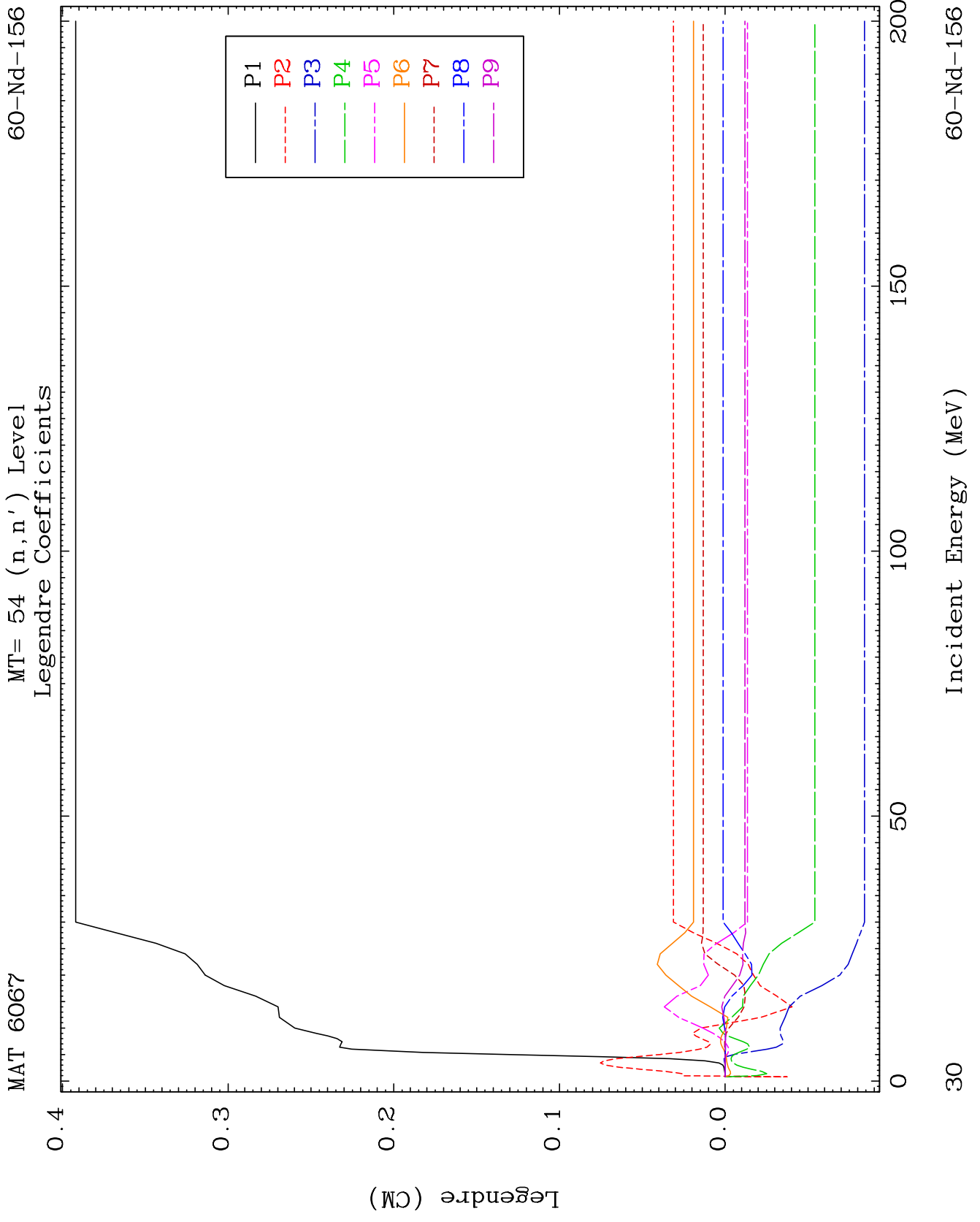
MT= 53 (n,n') Level  
Legendre Coefficients

60-Nd-156



29

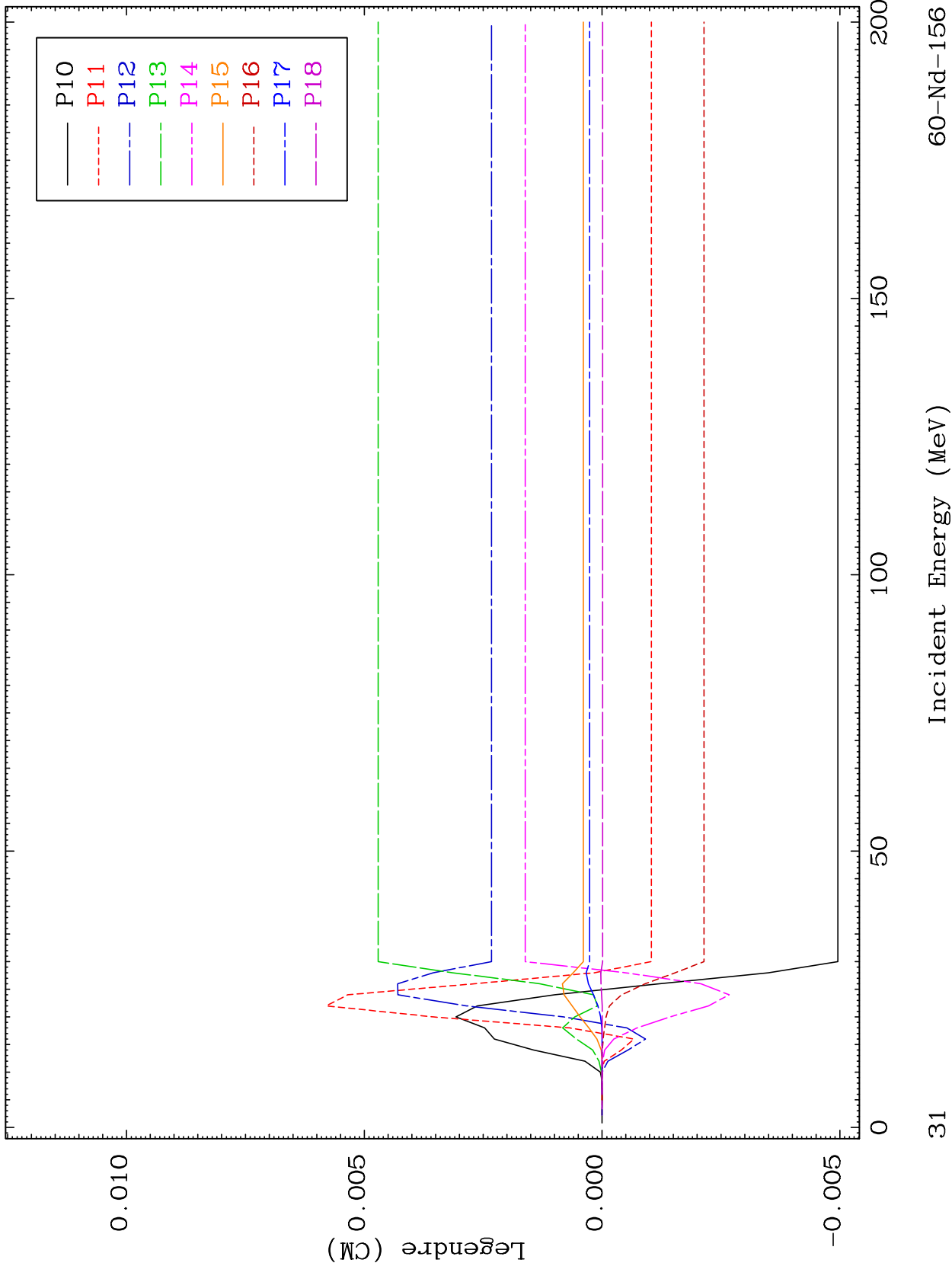
60-Nd-156



MAT 6067

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

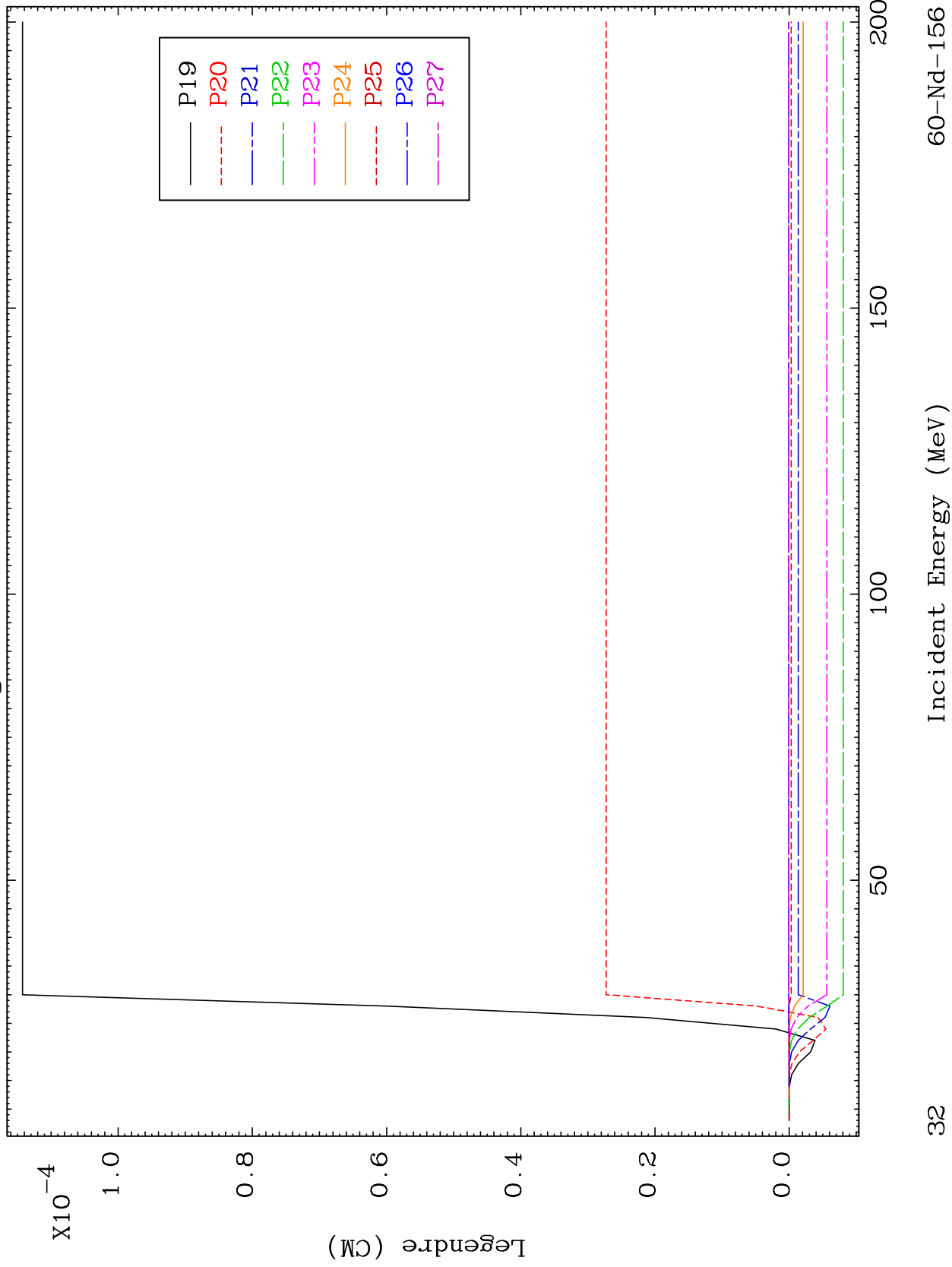
60-Nd-156



MAT 6067

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

60-Nd-156



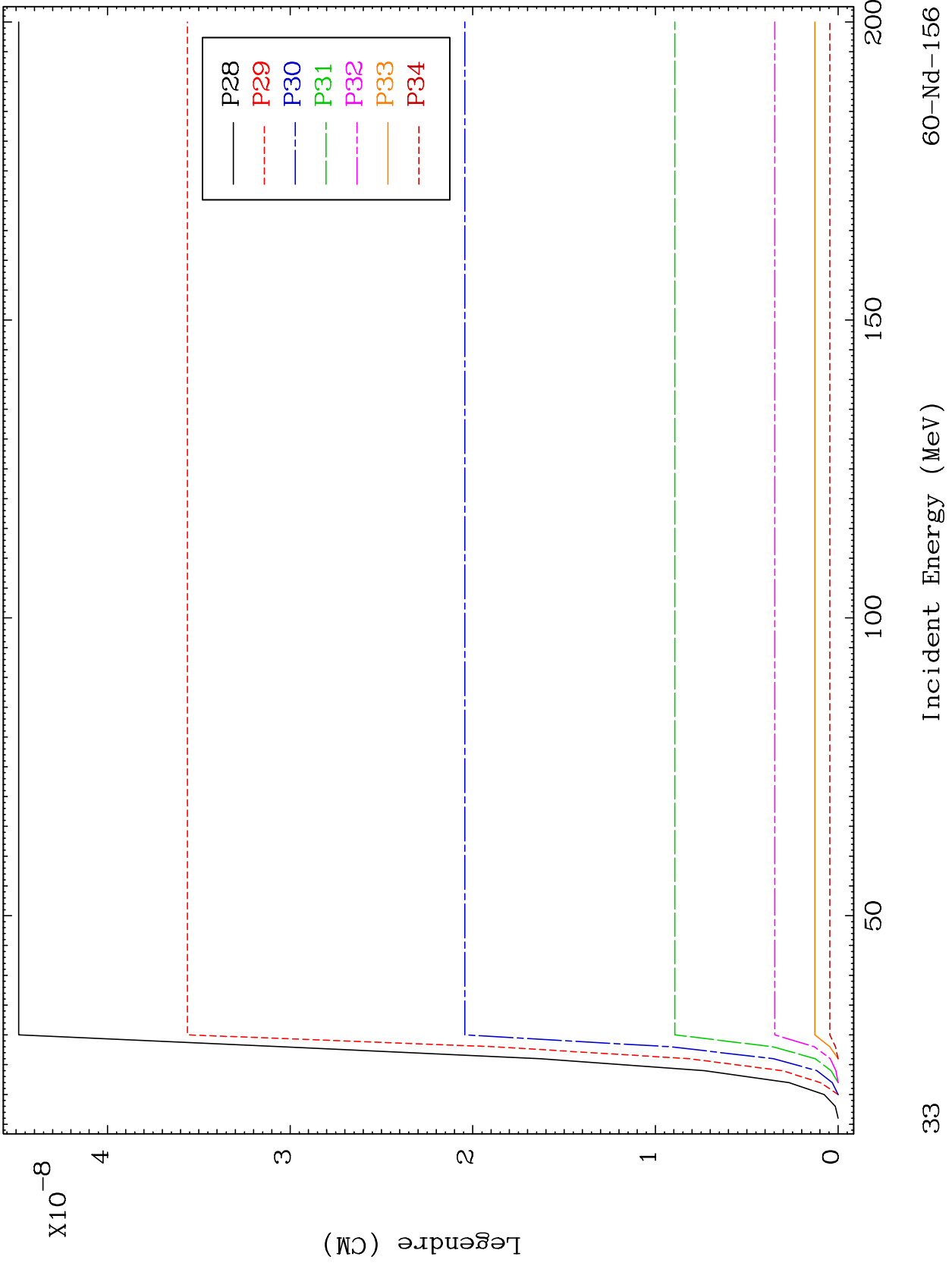
32

60-Nd-156

MAT 6067

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

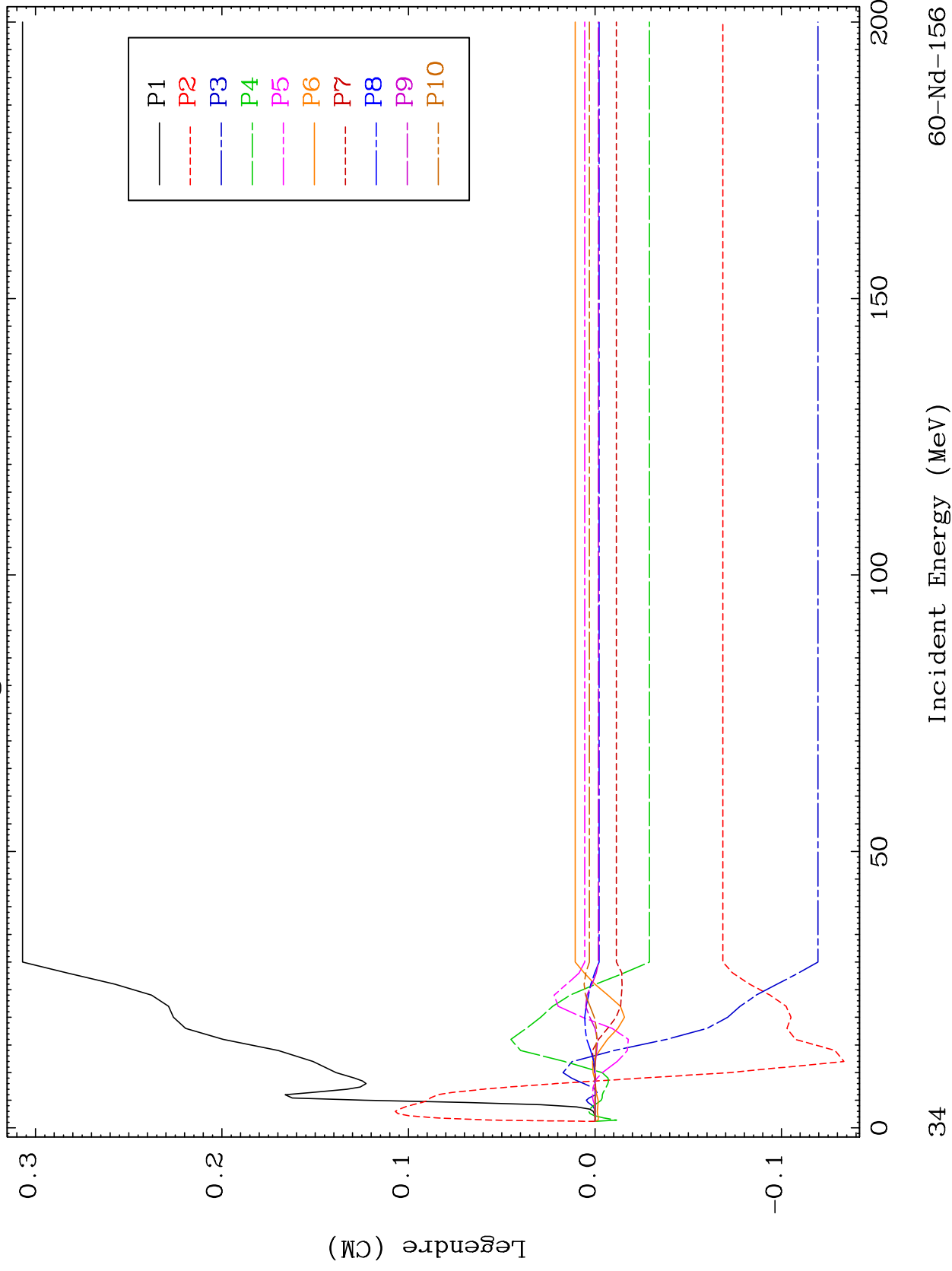
60-Nd-156



MAT 6067

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

60-Nd-156

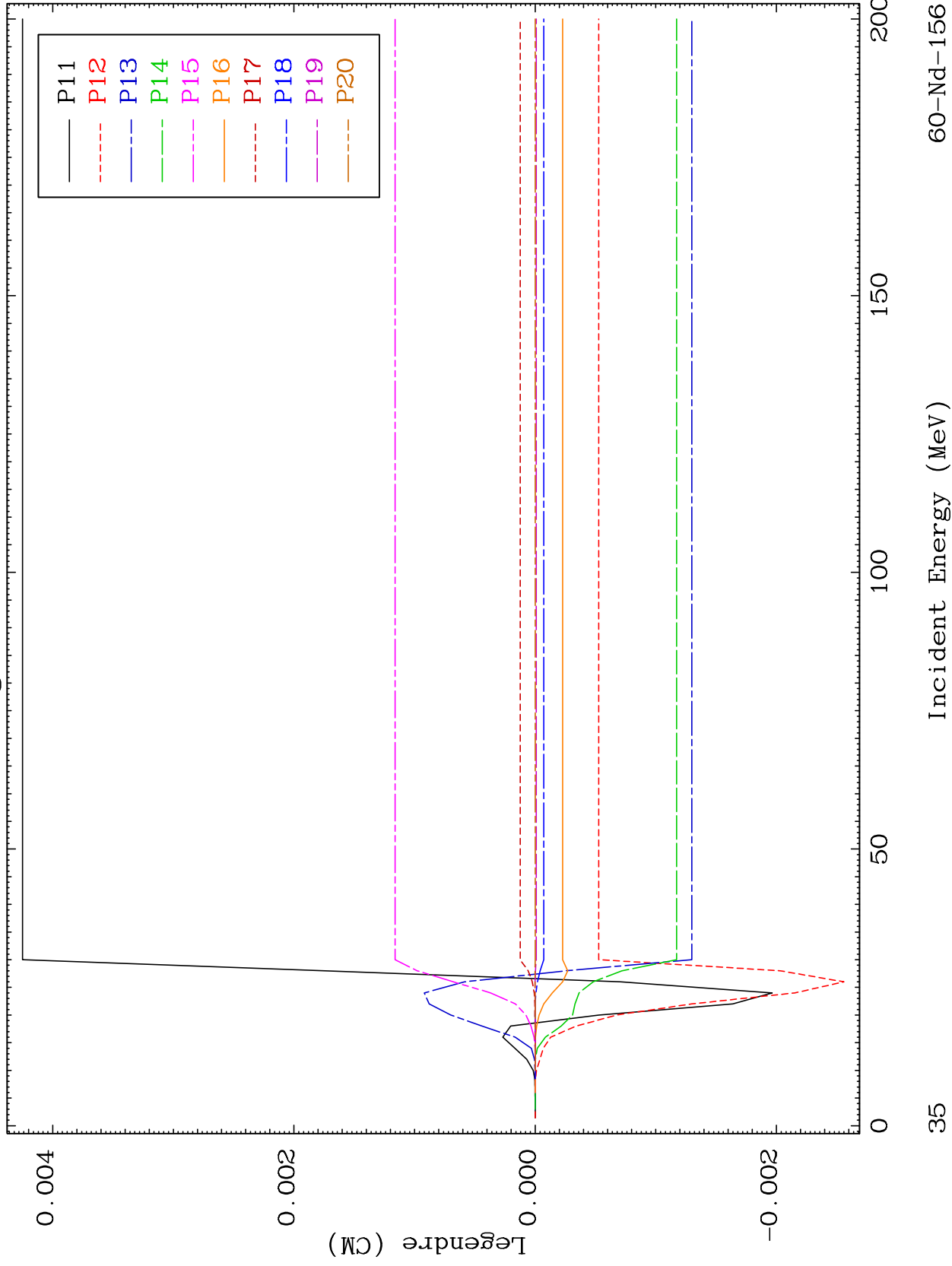


34

MAT 6067

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

60-Nd-156



60-Nd-156

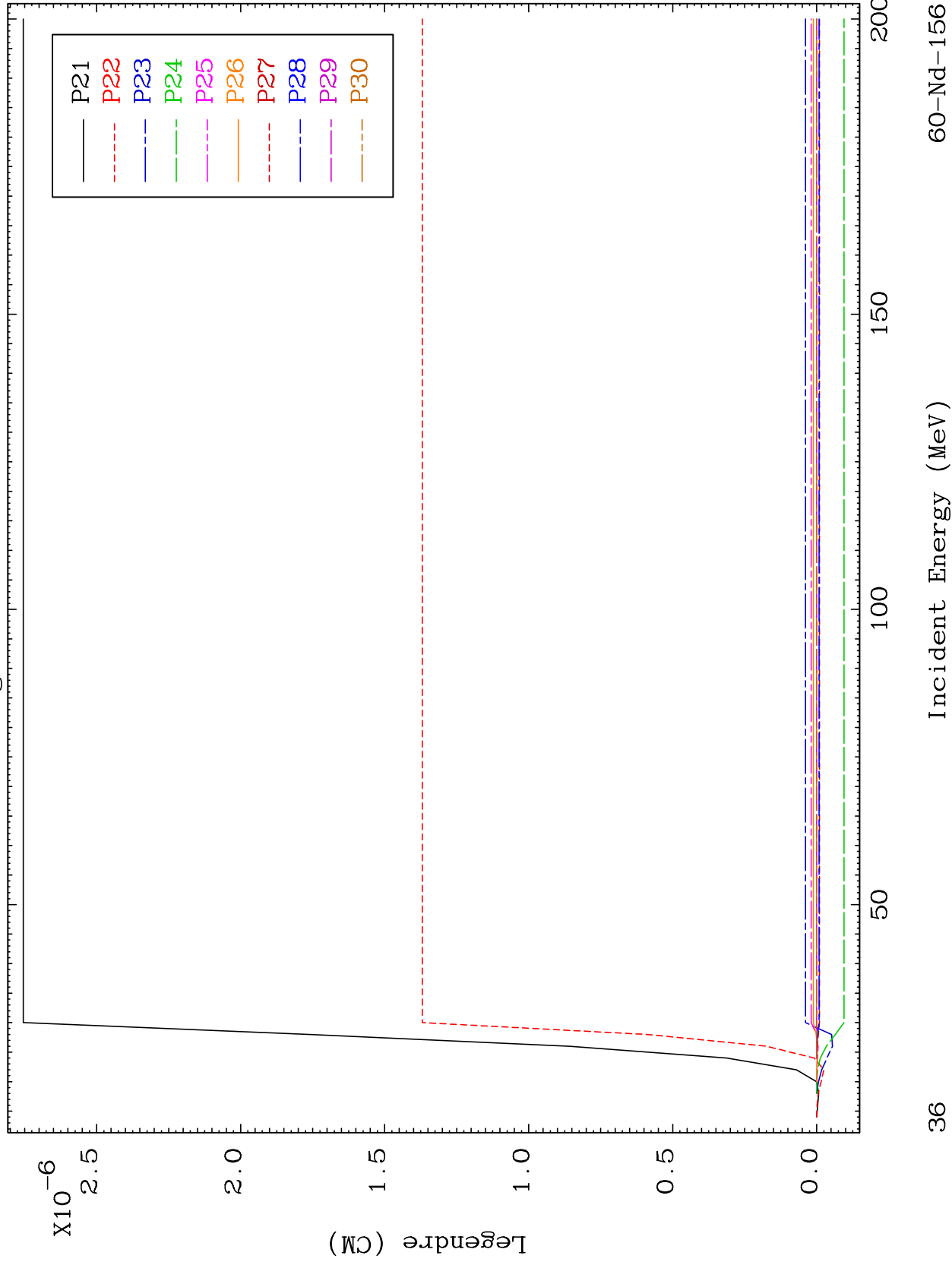
Incident Energy (MeV)

35

MAT 6067

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

60-Nd-156



36

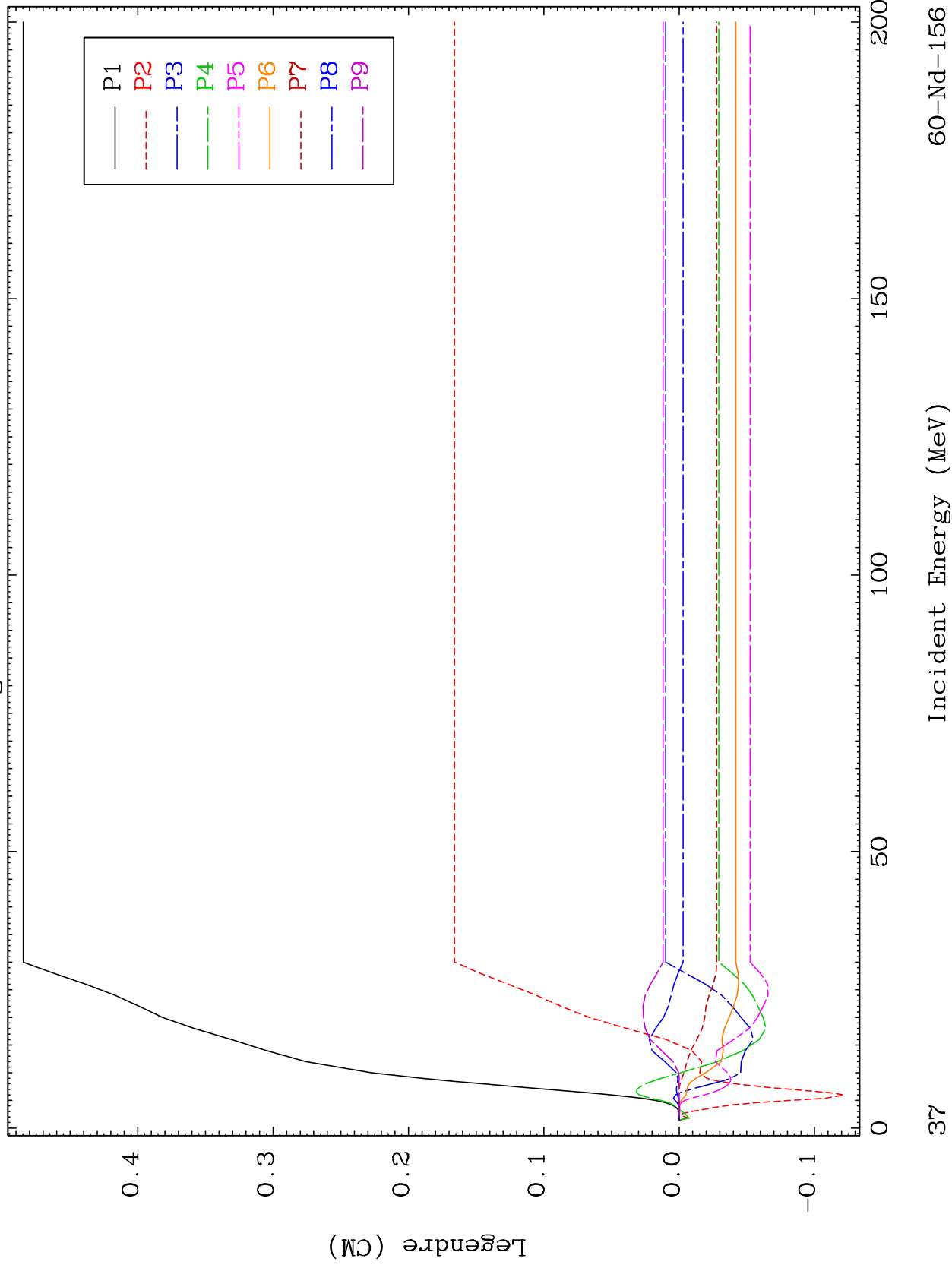
Incident Energy (MeV)

60-Nd-156

MAT 6067

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

60-Nd-156



60-Nd-156

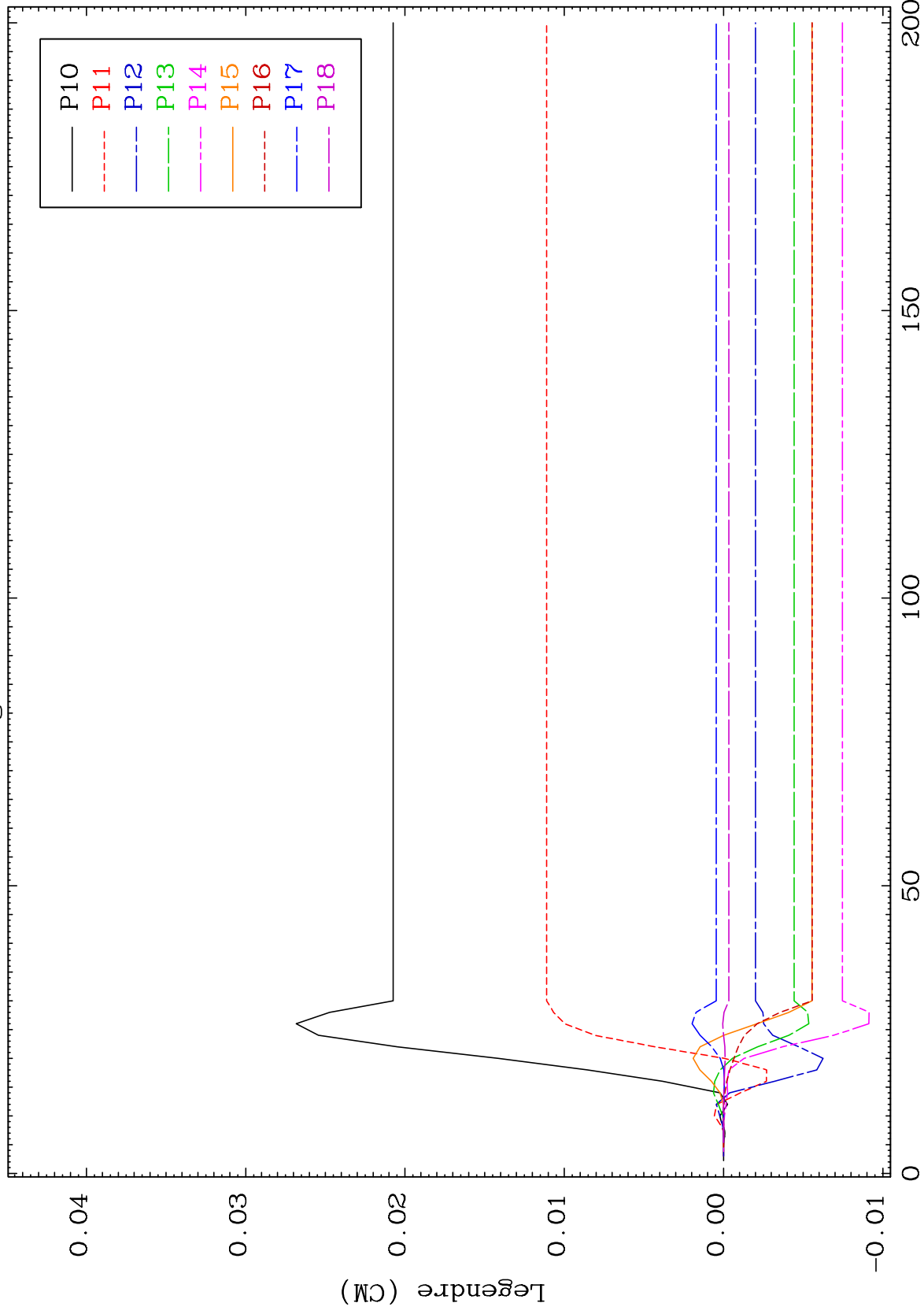
Incident Energy (MeV)

37

MAT 6067

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

60-Nd-156



38

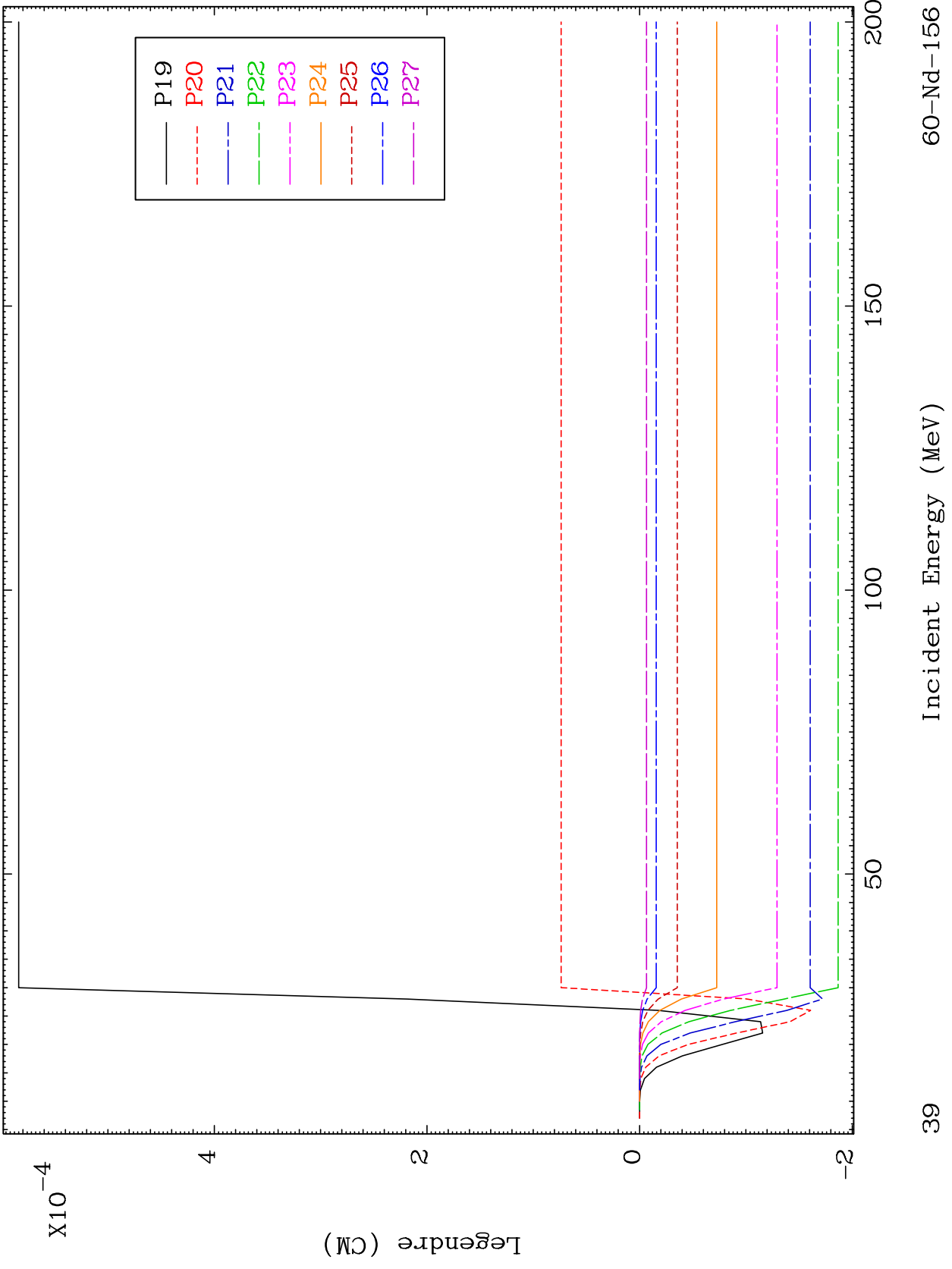
Incident Energy (MeV)

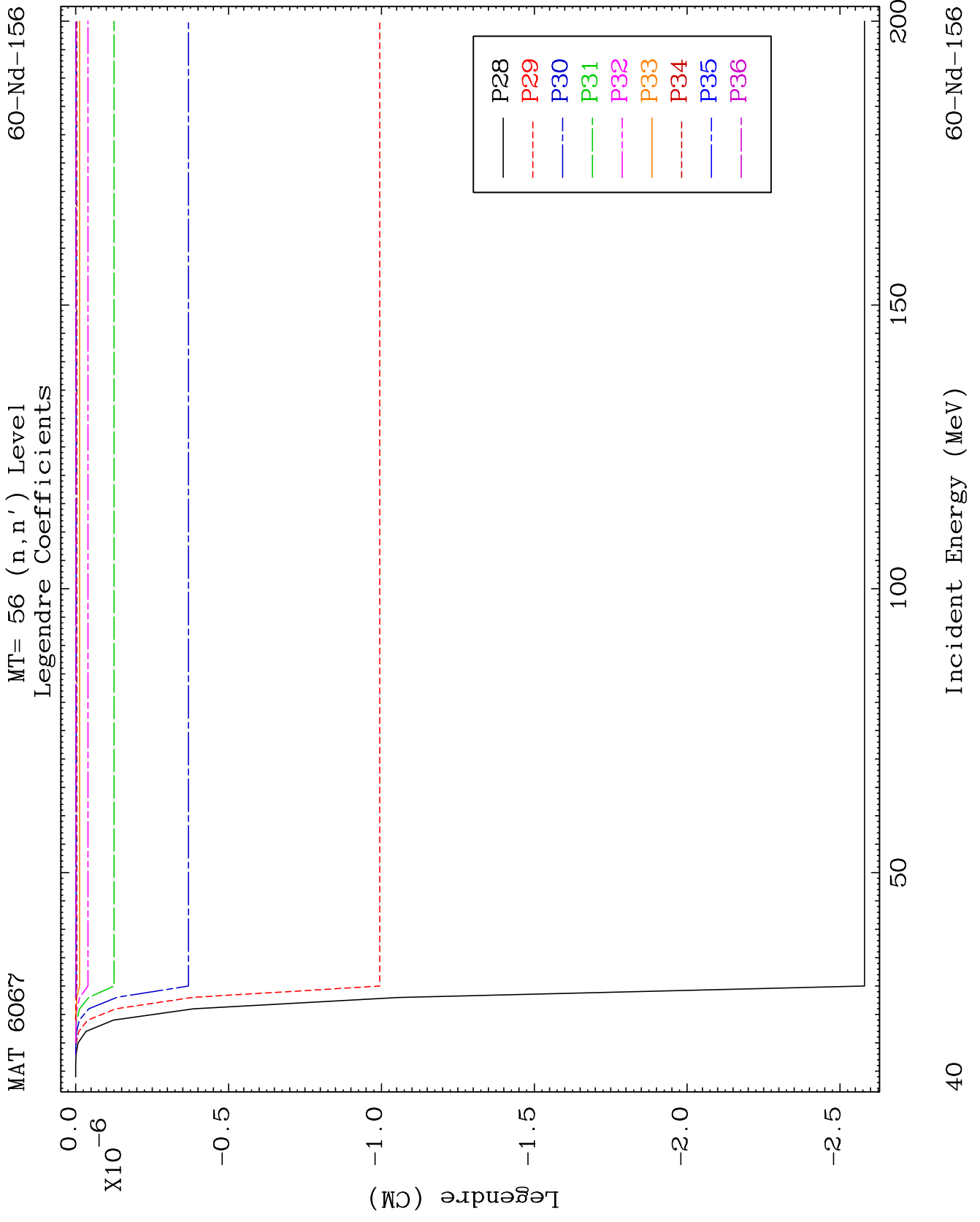
60-Nd-156

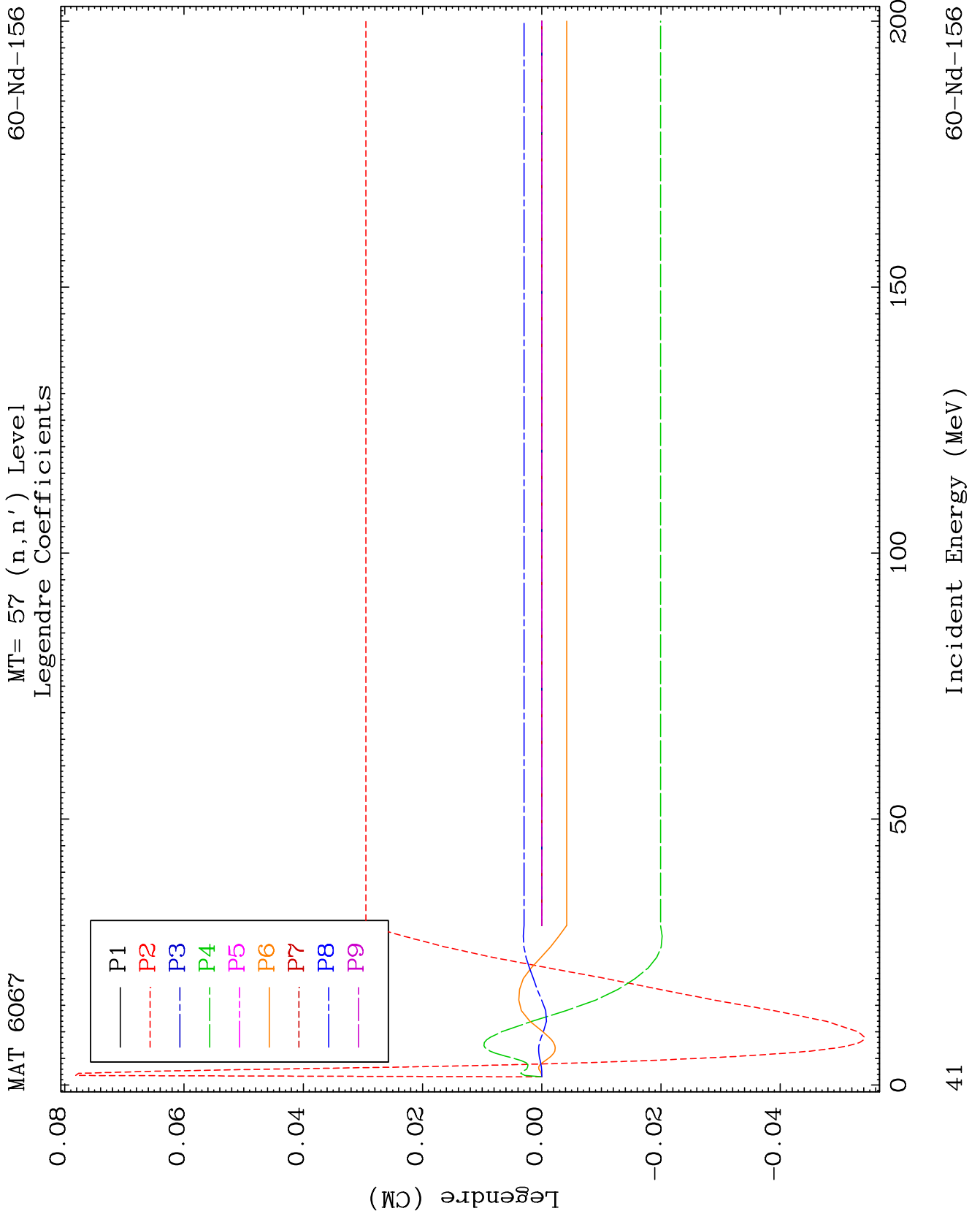
MAT 6067

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

60-Nd-156



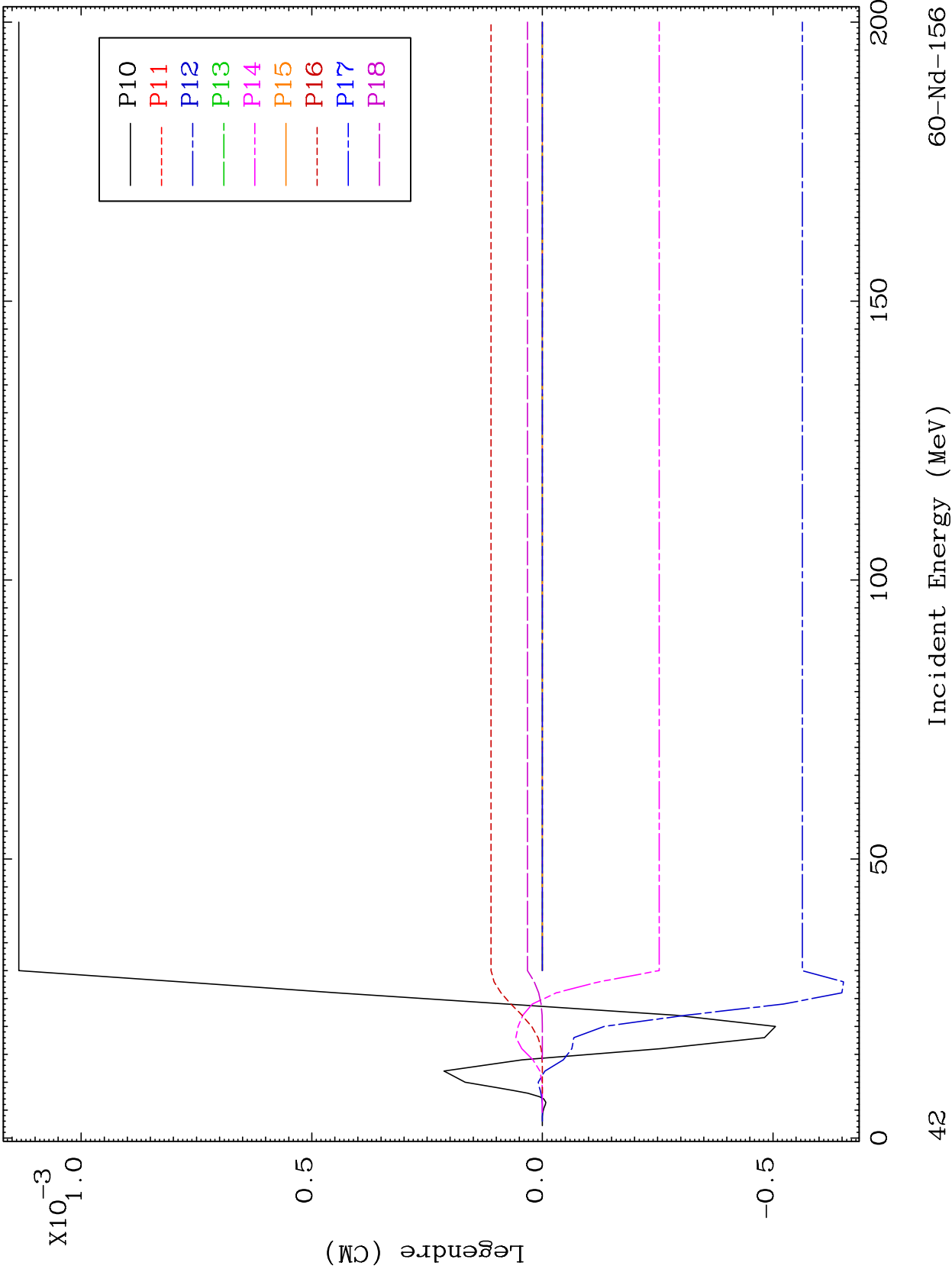




MAT 6067

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

60-Nd-156



60-Nd-156

Incident Energy (MeV)

42

