

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

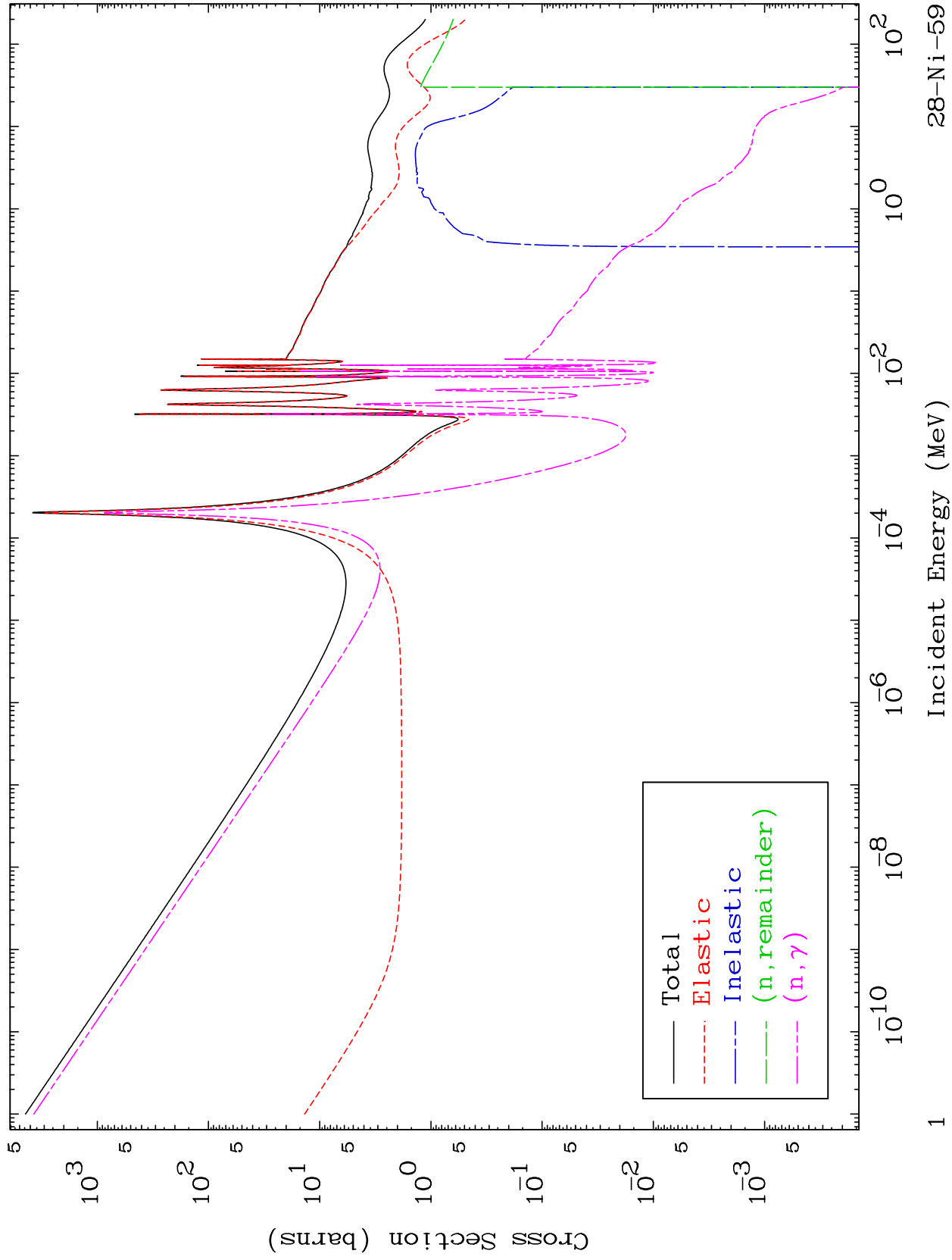
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2828

Major  
293 Kelvin Cross Sections

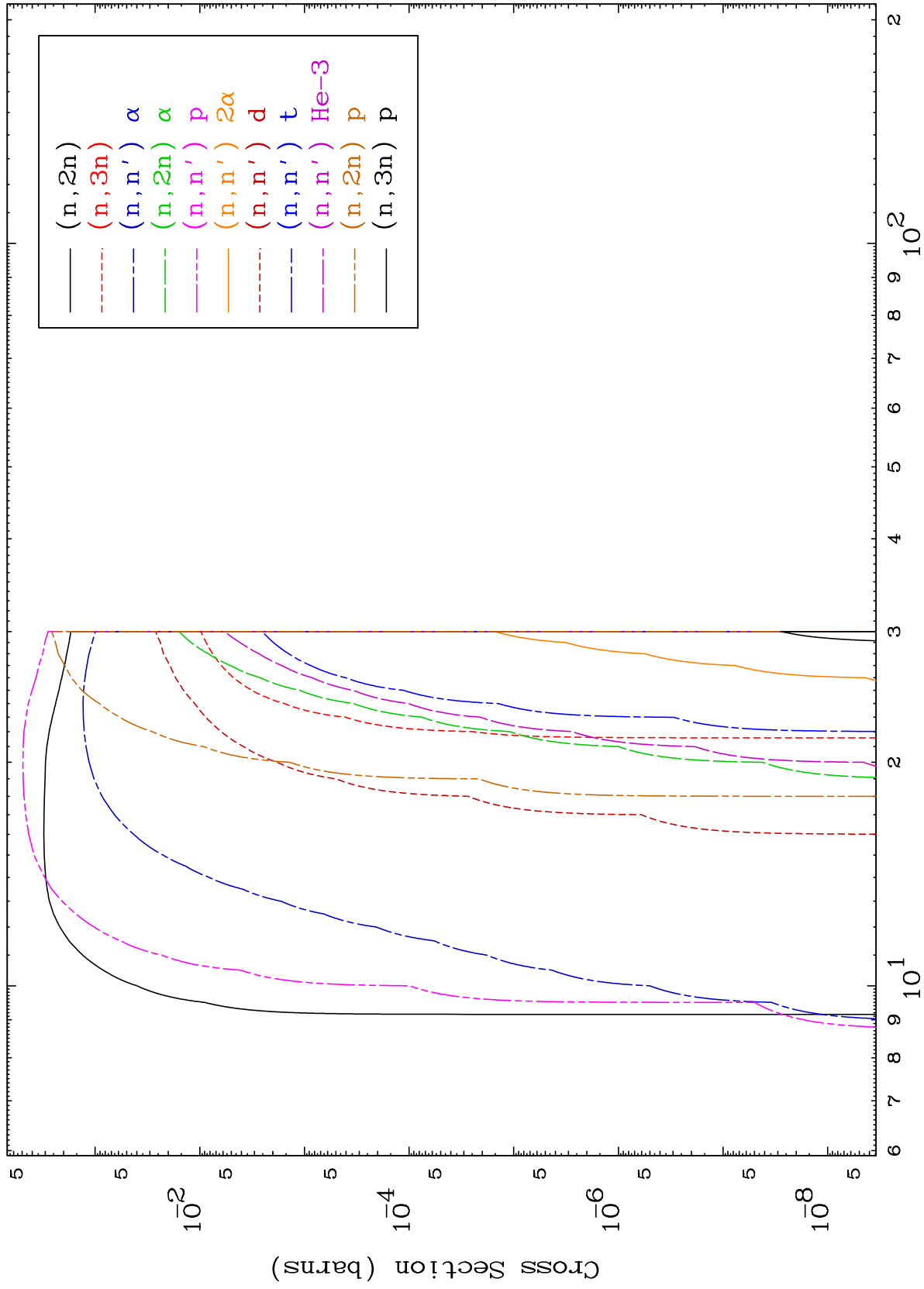
28-Ni-59



MAT 2828

### Neutron Production 293 Kelvin Cross Sections

28-Ni-59



2

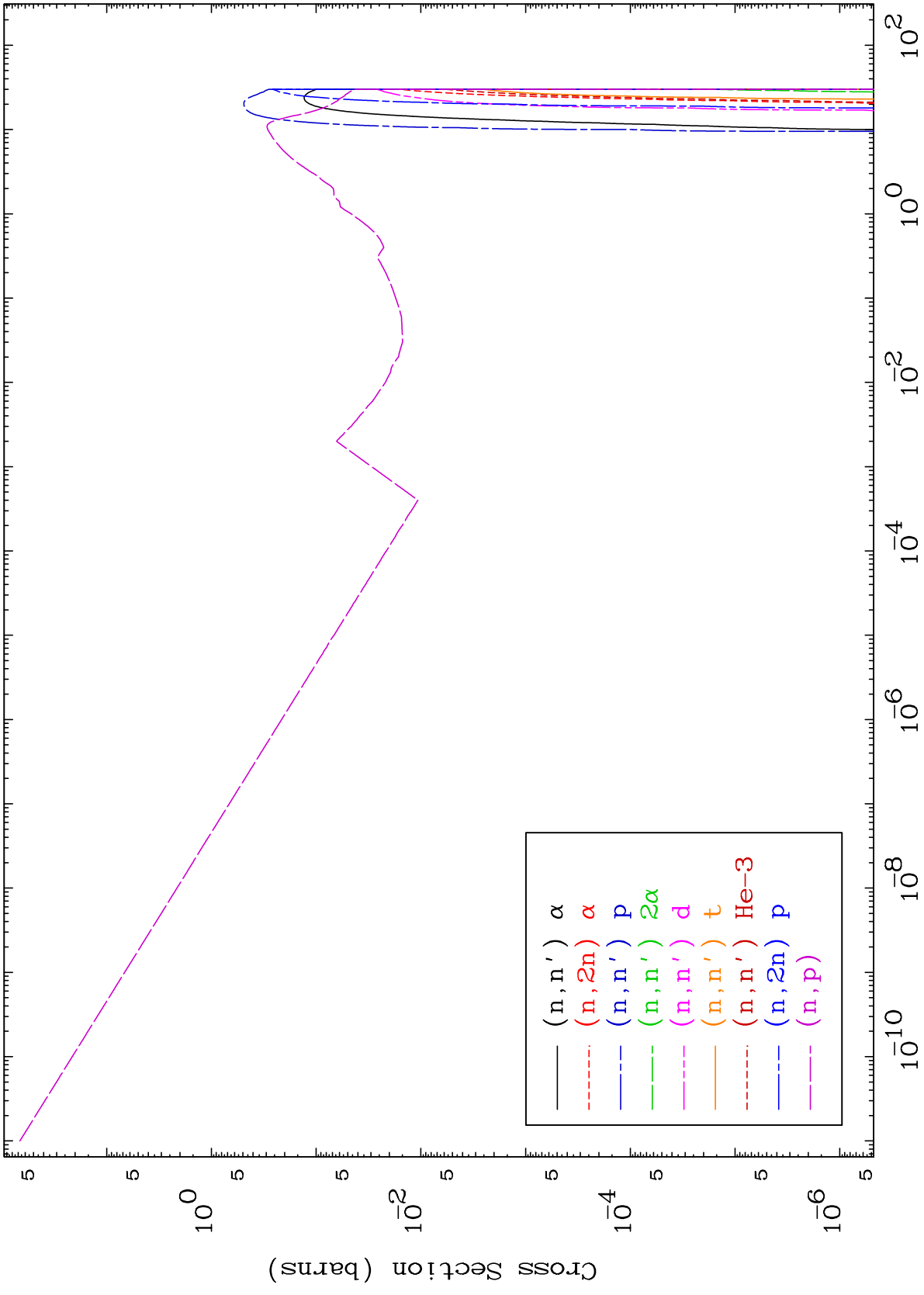
Incident Energy (MeV)

28-Ni-59

MAT 2828

Charged Particle  
293 Kelvin Cross Sections

28-Ni-59

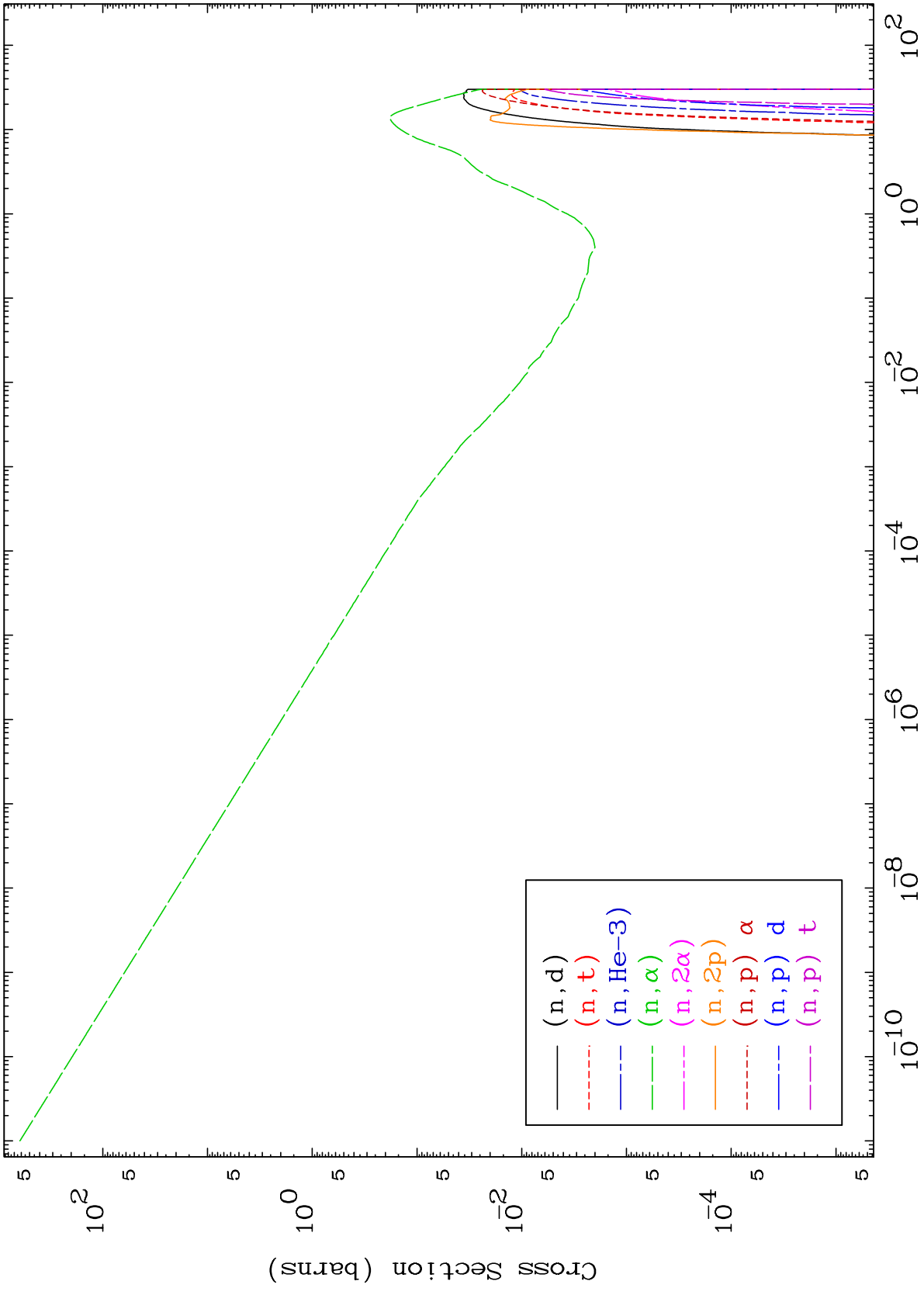


28-Ni-59

MAT 2828

Charged Particle  
293 Kelvin Cross Sections

28-Ni-59

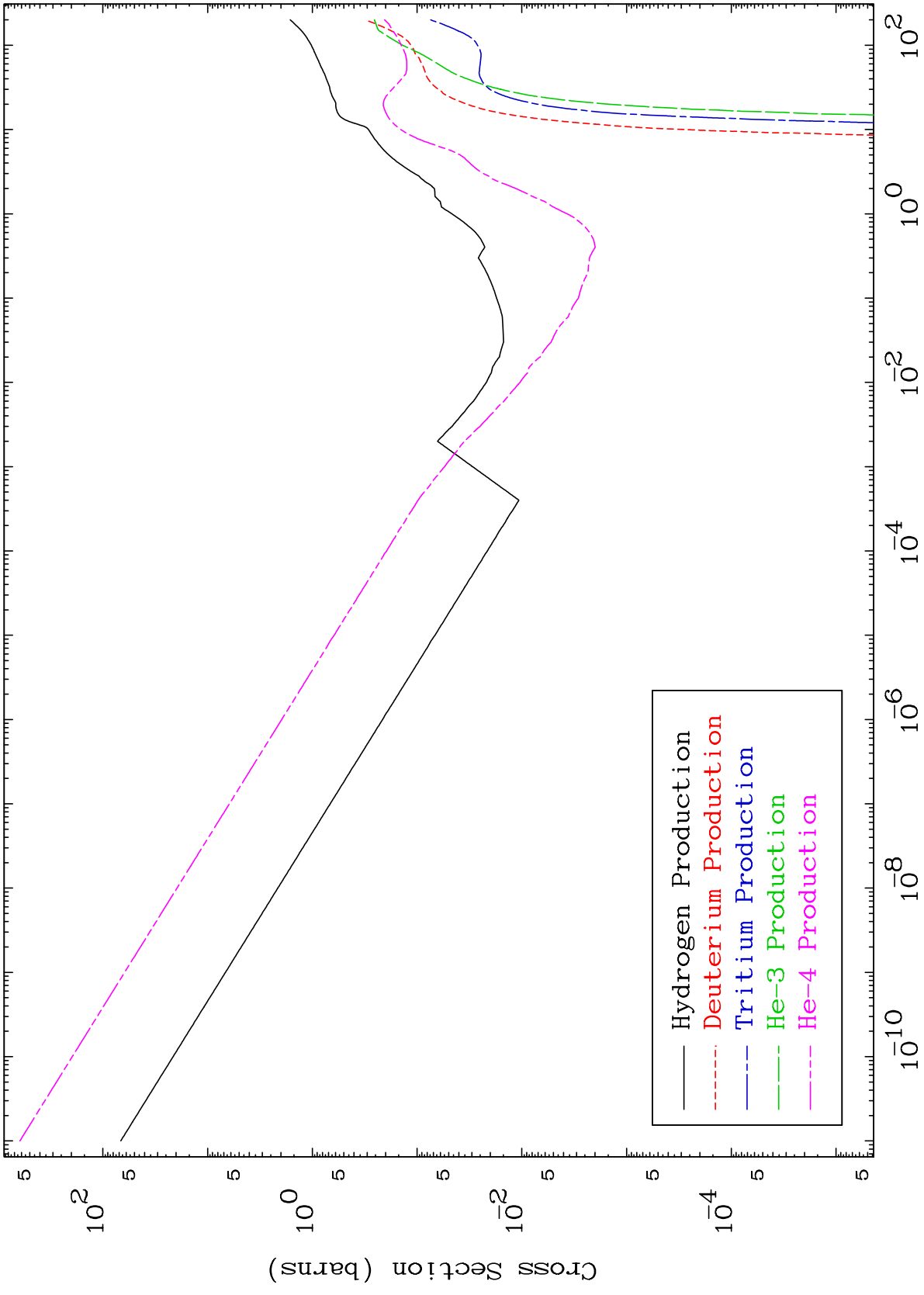


28-Ni-59

MAT 2828

Particle Production  
293 Kelvin Cross Sections

28-Ni-59

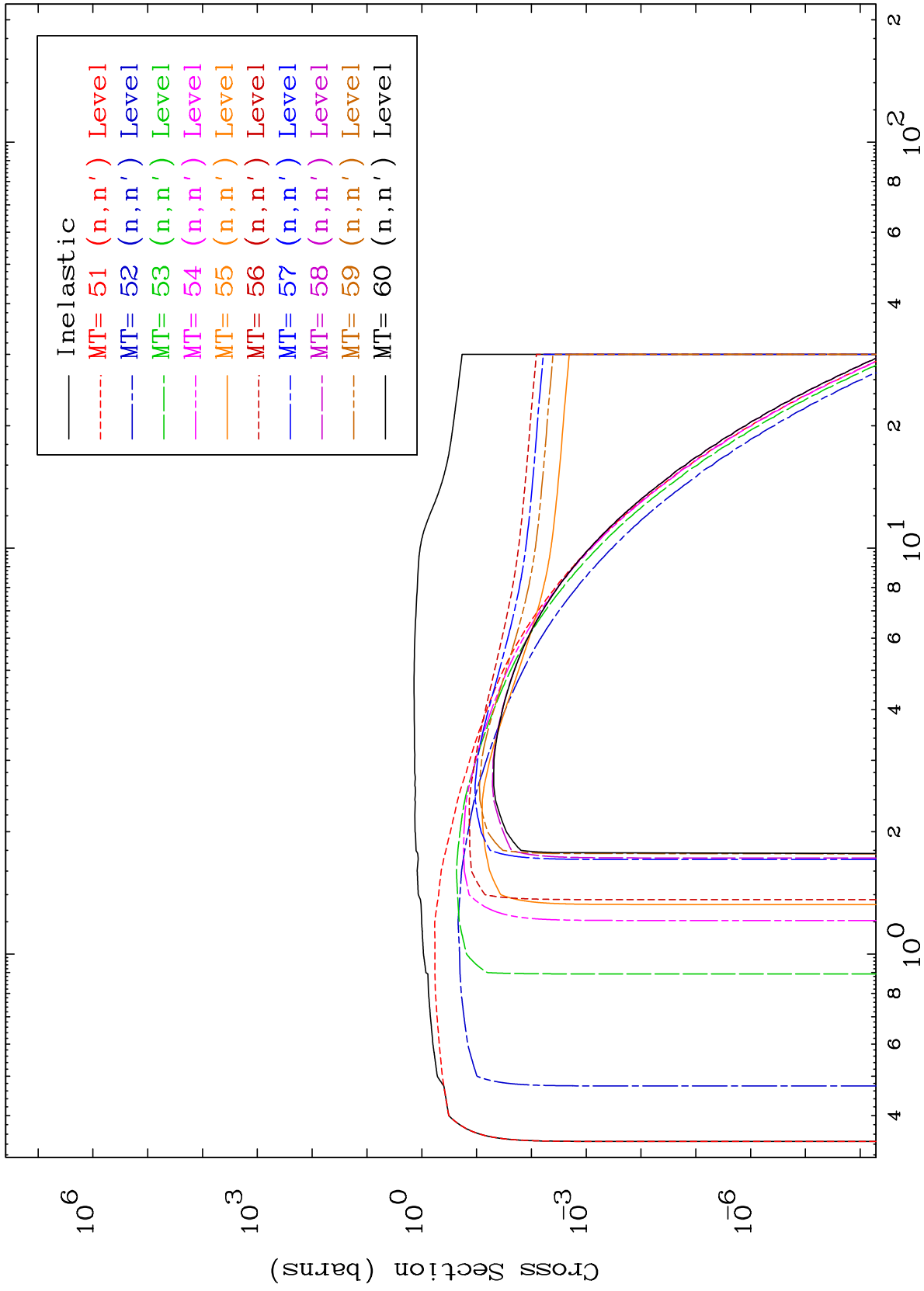


MAT 2828

(n,n') Level

28-Ni-59

293 Kelvin Cross Sections



6

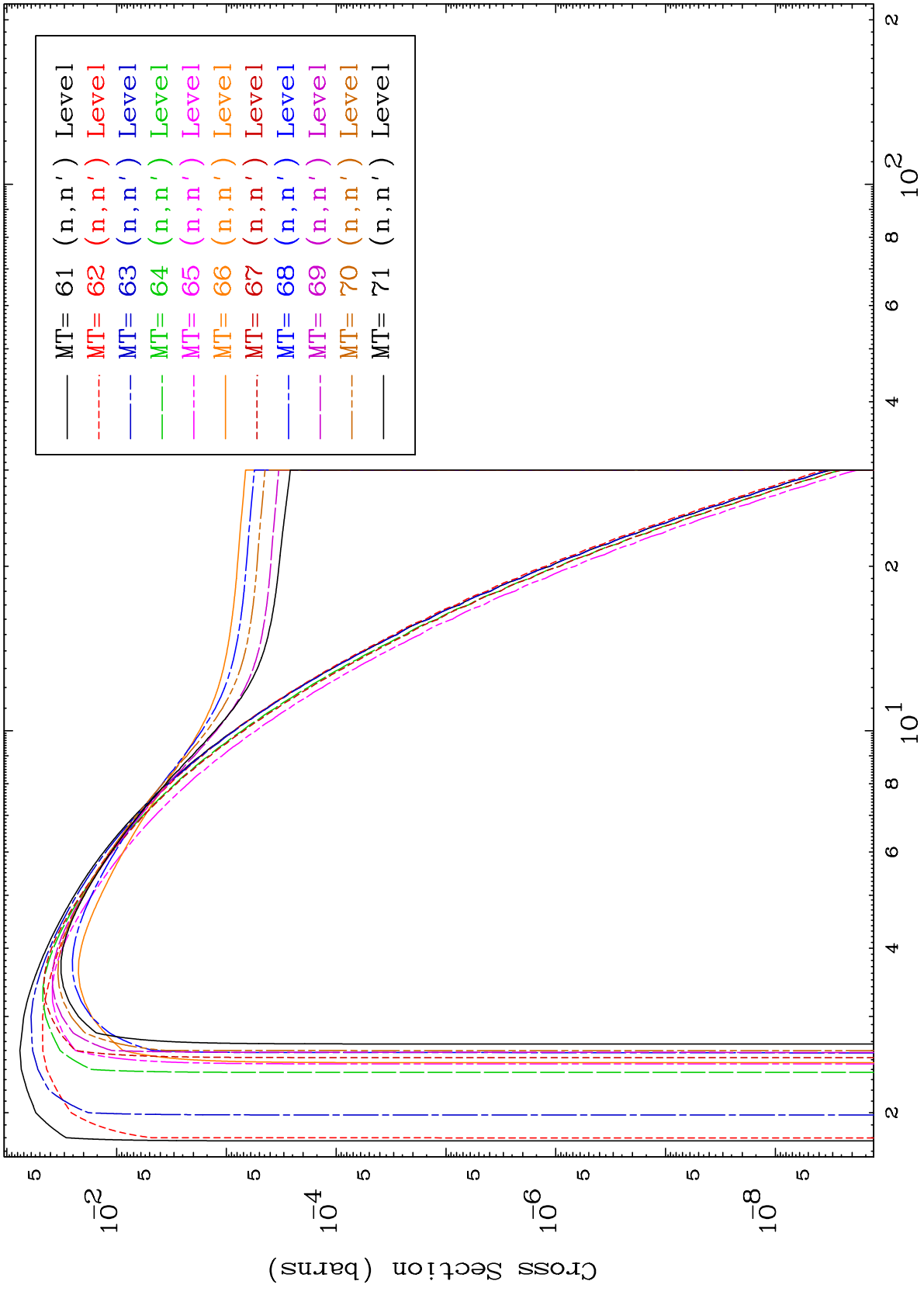
Incident Energy (MeV)

28-Ni-59

MAT 2828

(n,n') Level  
293 Kelvin Cross Sections

28-Ni-59



7

Incident Energy (MeV)

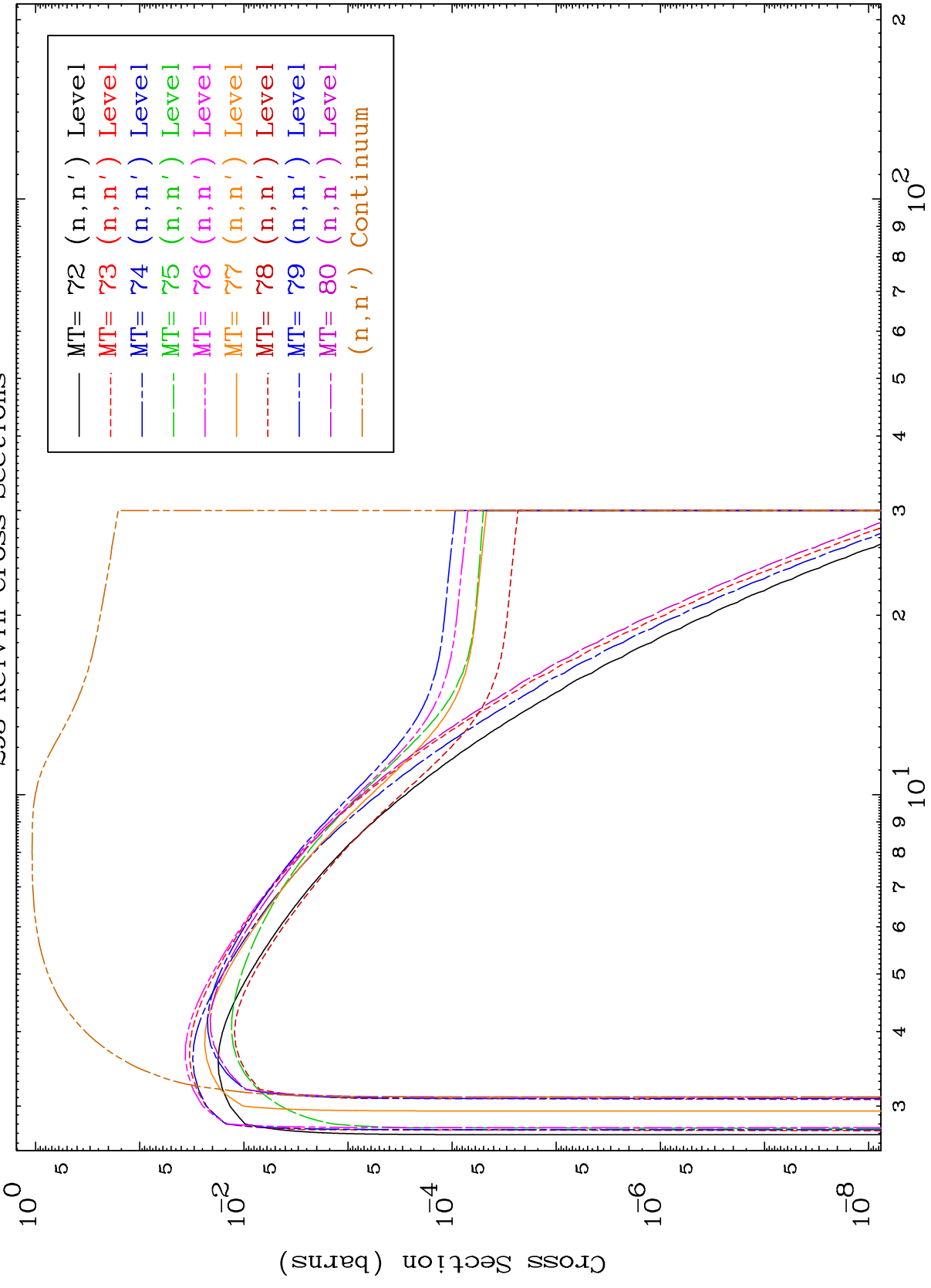
28-Ni-59



MAT 2828

(n,n') Level  
293 Kelvin Cross Sections

28-Ni-59



8

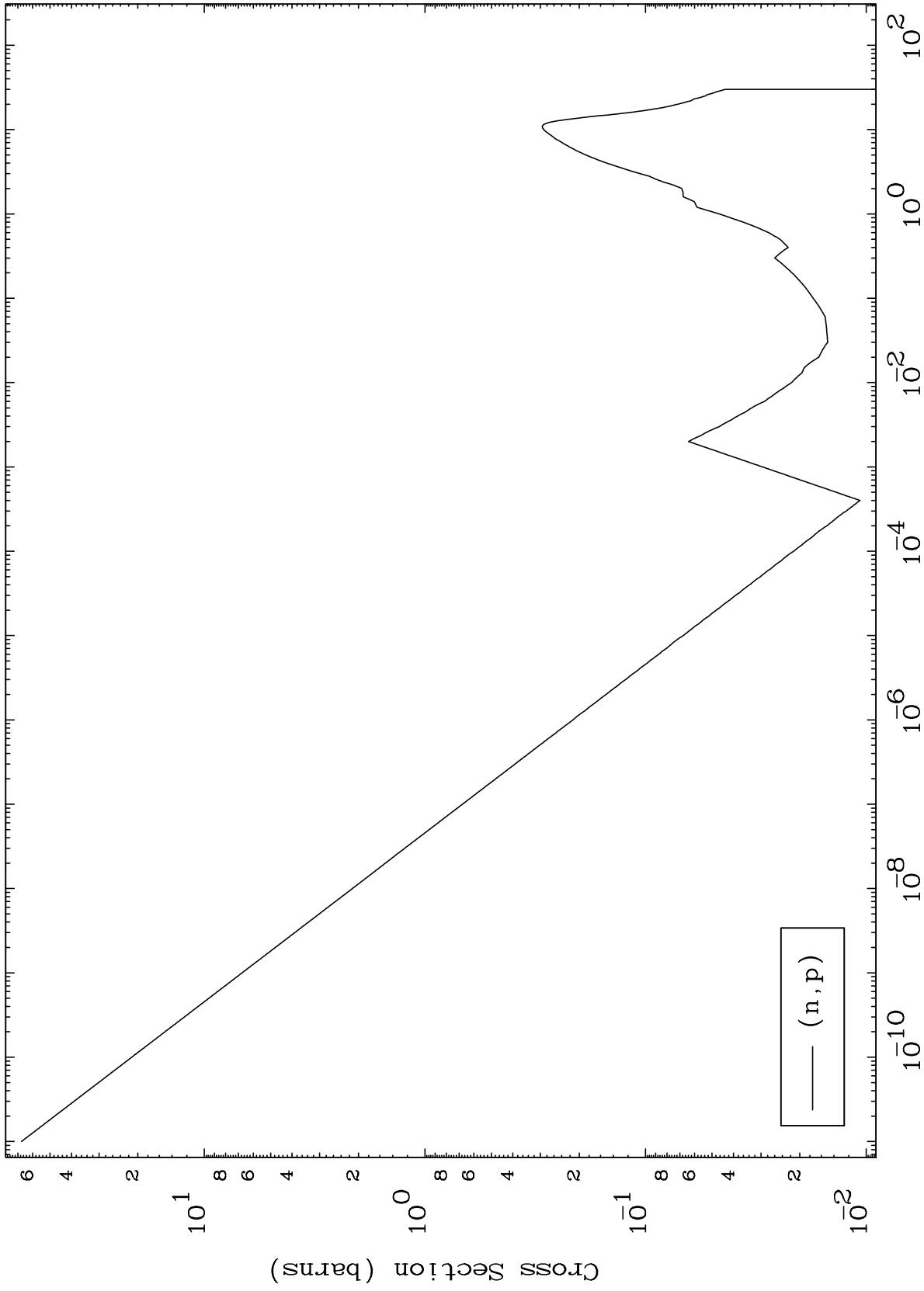
Incident Energy (MeV)

28-Ni-59

MAT 2828

(n,p) Levels  
293 Kelvin Cross Sections

28-Ni-59



9

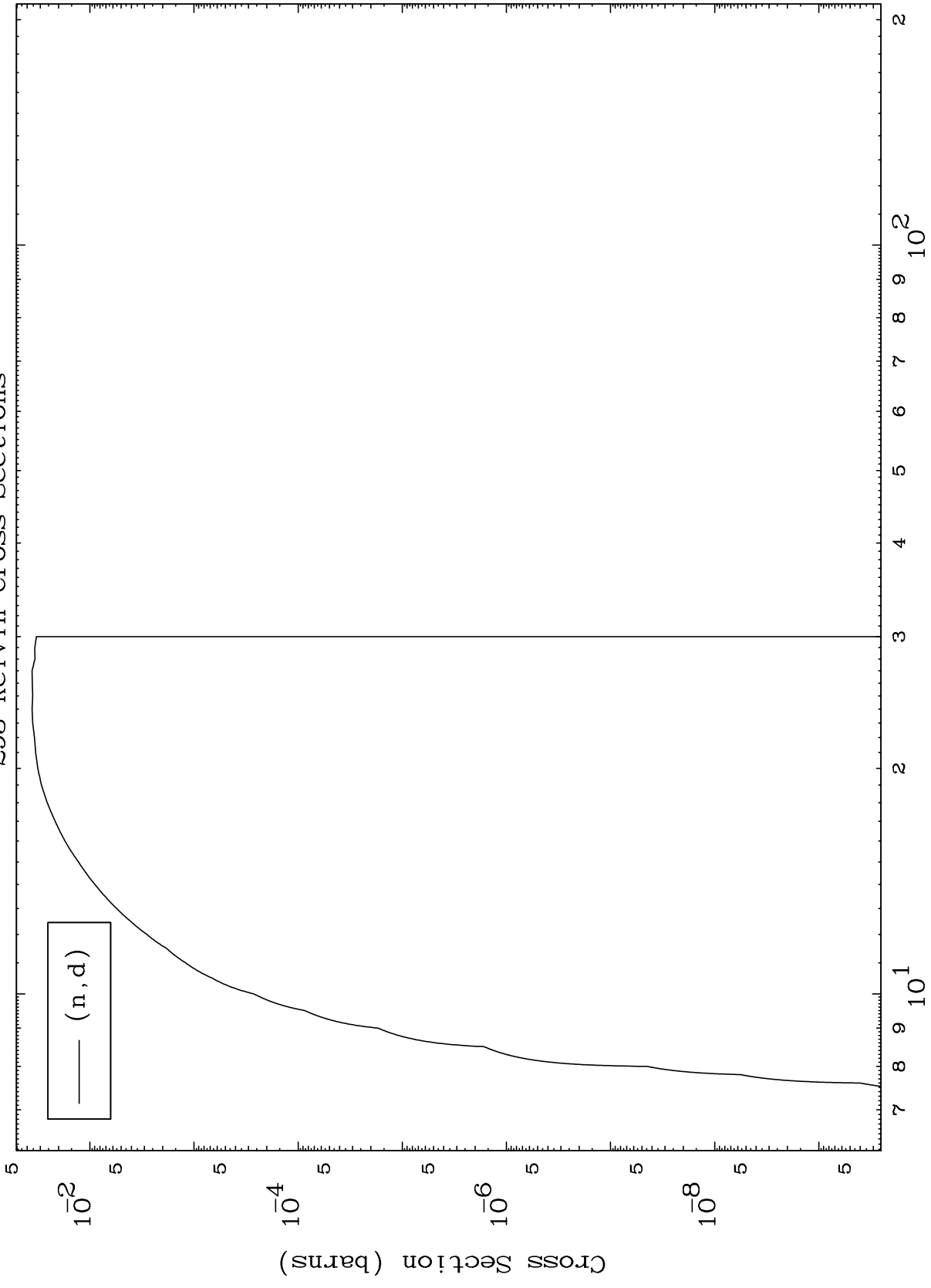
Incident Energy (MeV)

28-Ni-59

MAT 2828

(n,d) Levels  
293 Kelvin Cross Sections

28-Ni-59



10

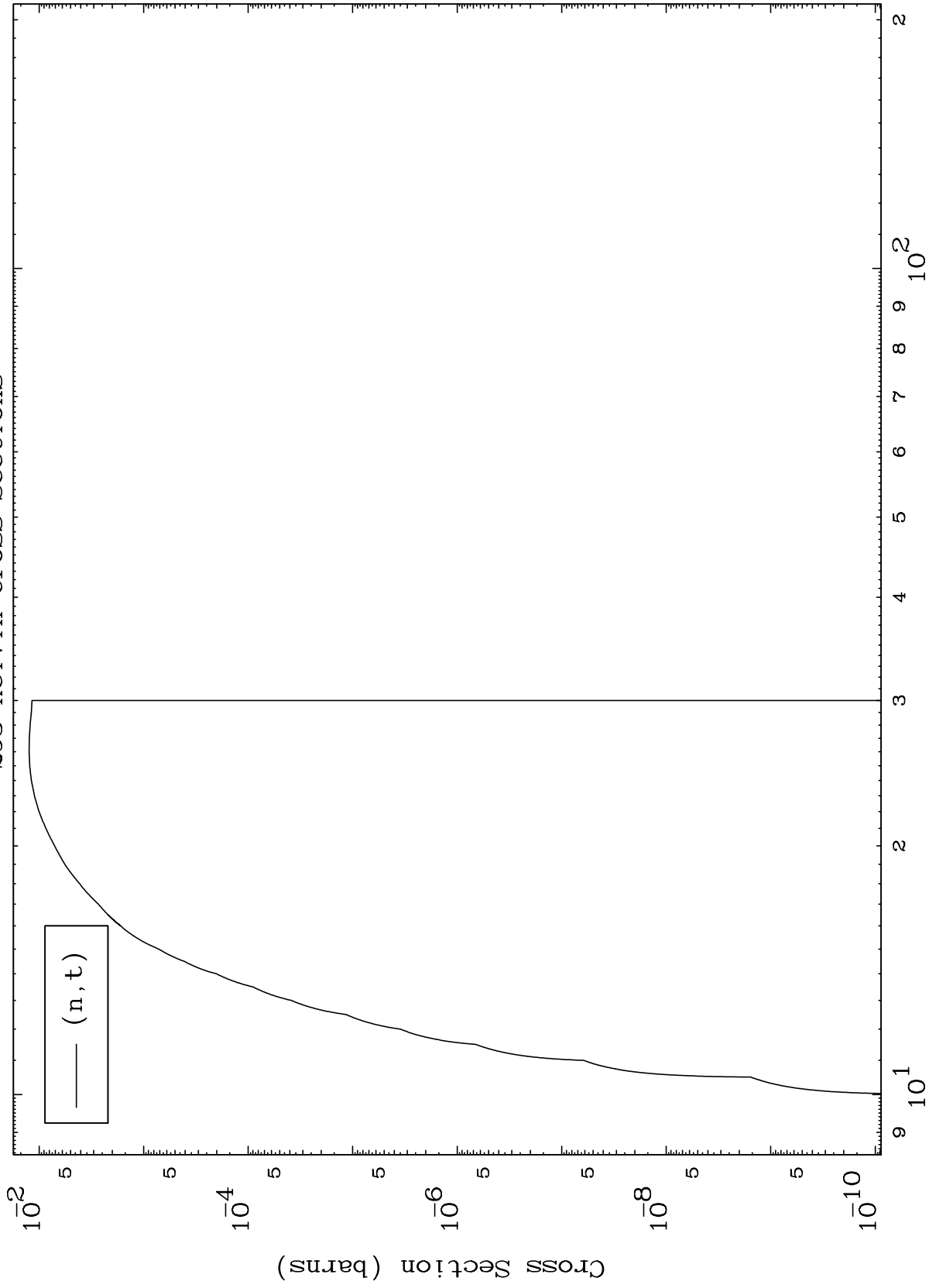
Incident Energy (MeV)

28-Ni-59

MAT 2828

(n,t) Levels  
293 Kelvin Cross Sections

28-Ni-59



11

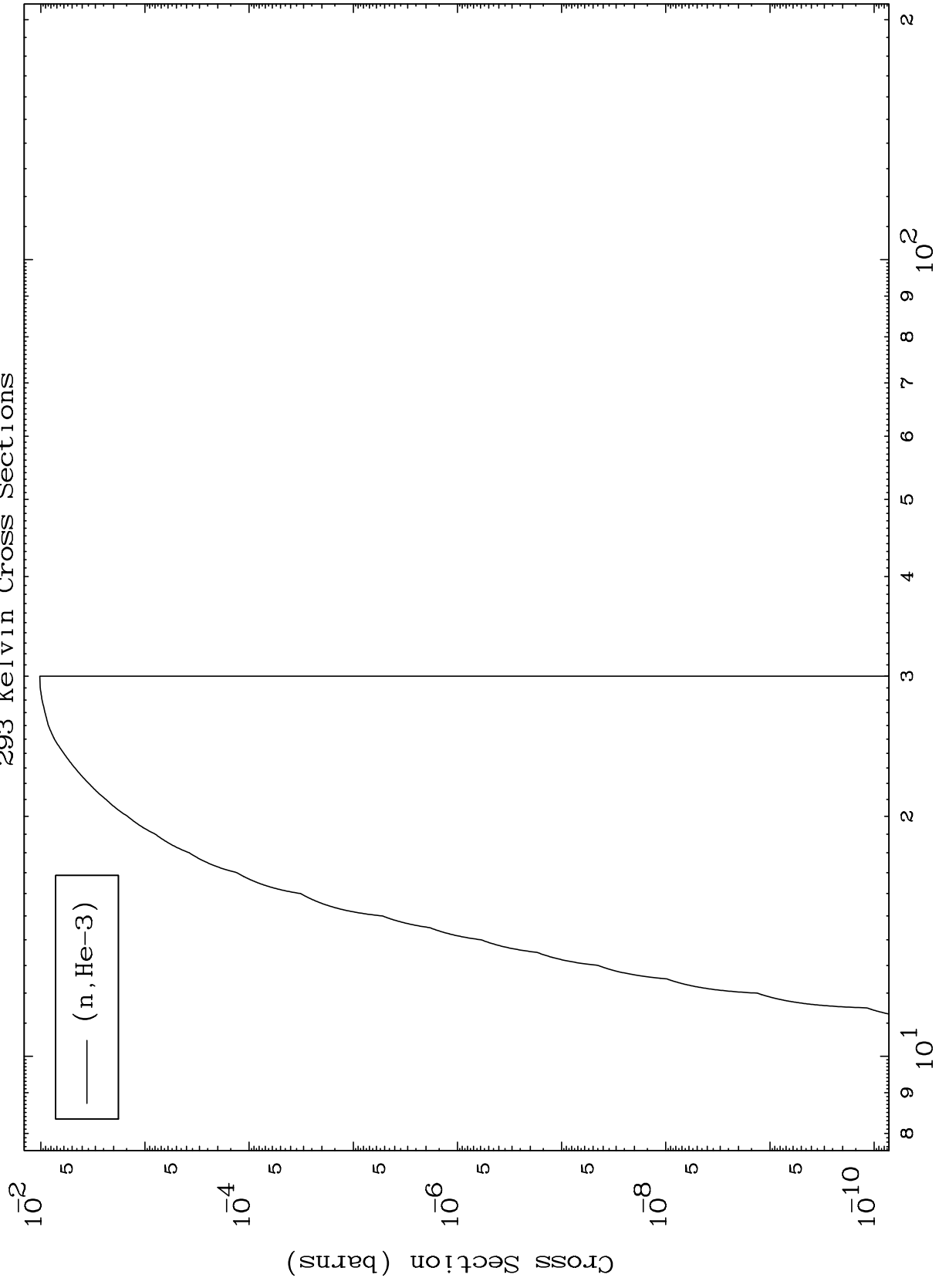
Incident Energy (MeV)

28-Ni-59

MAT 2828

(n,He3) Levels  
293 Kelvin Cross Sections

28-Ni-59



12

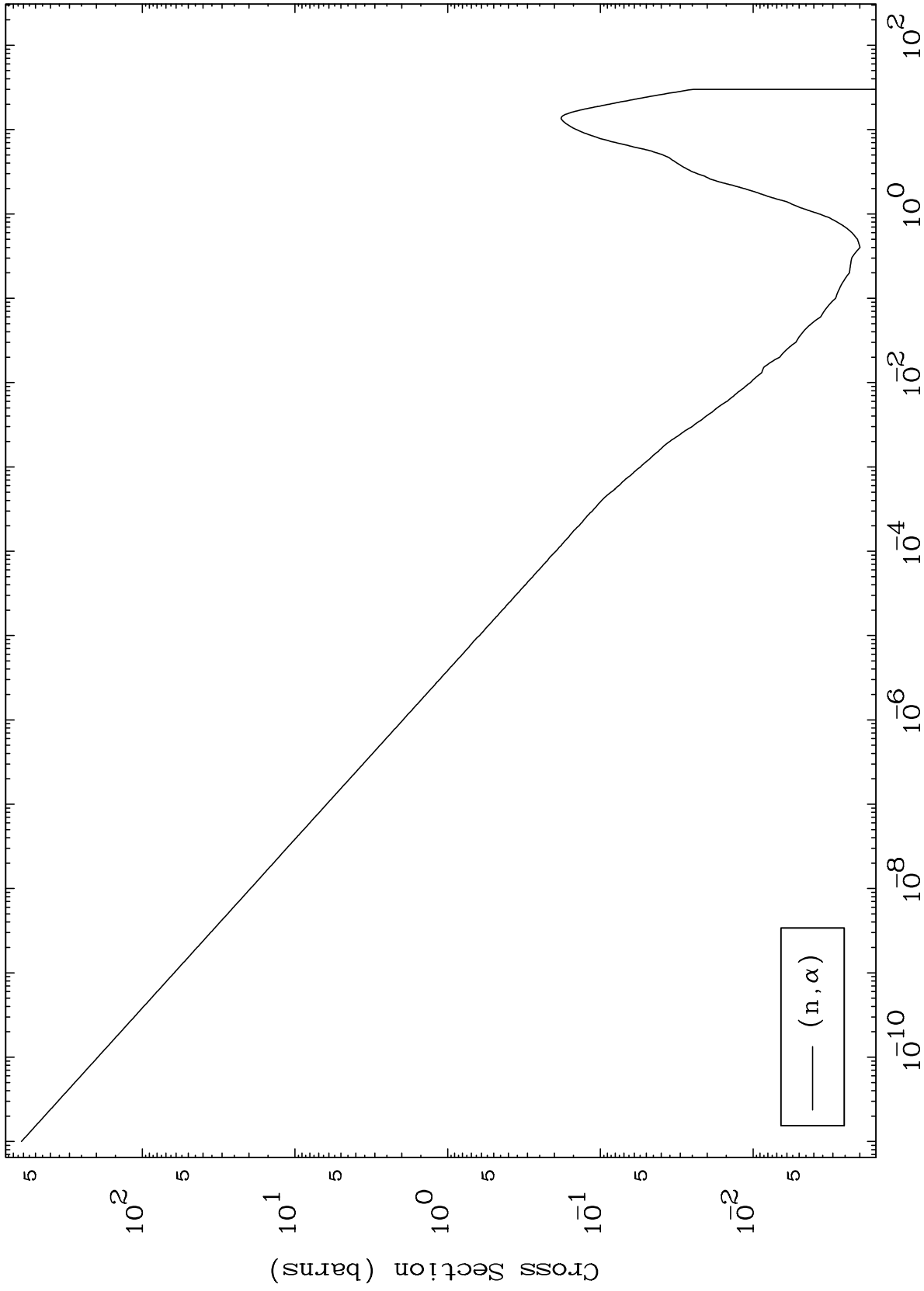
Incident Energy (MeV)

28-Ni-59

MAT 2828

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

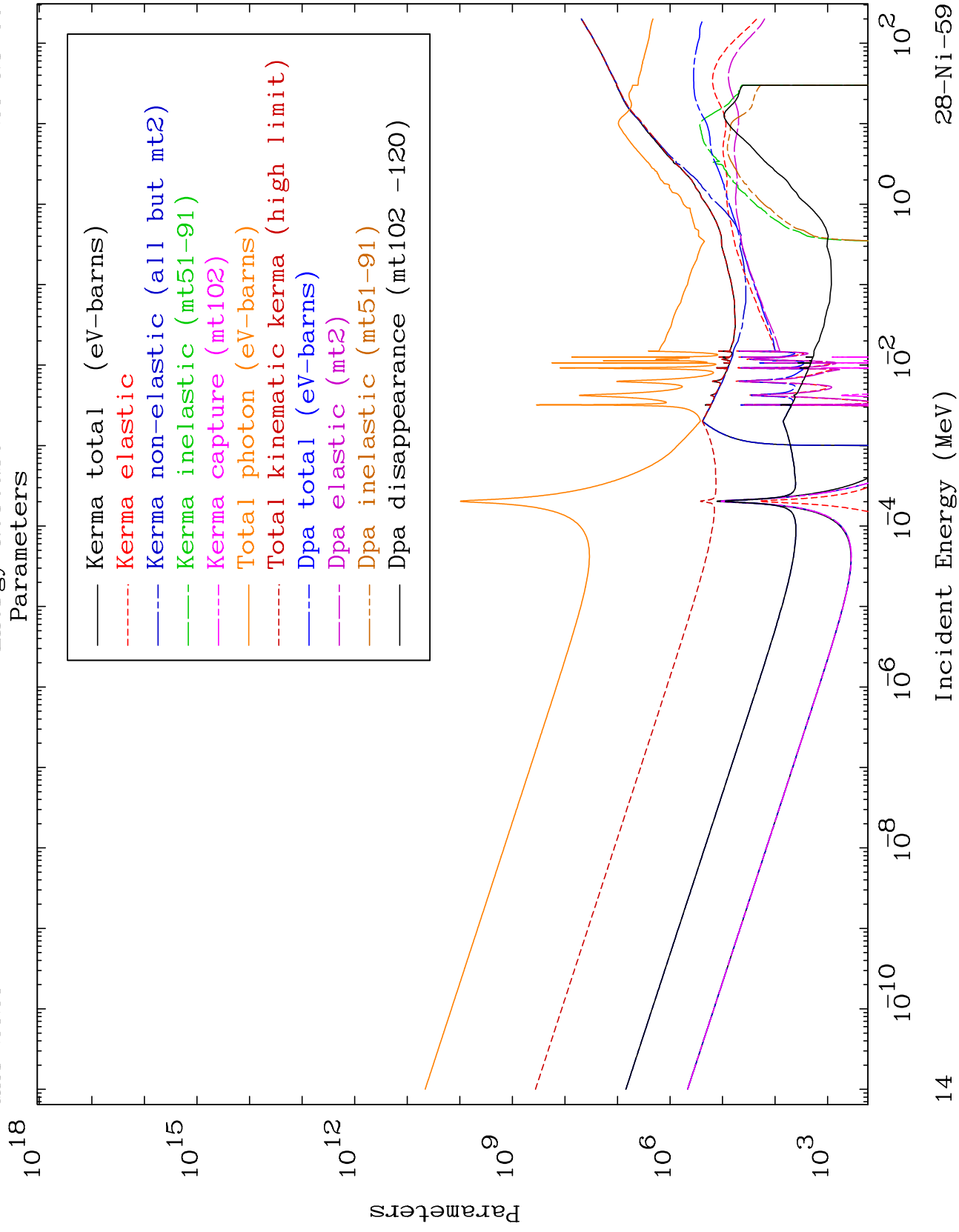
28-Ni-59



13

Incident Energy (MeV)

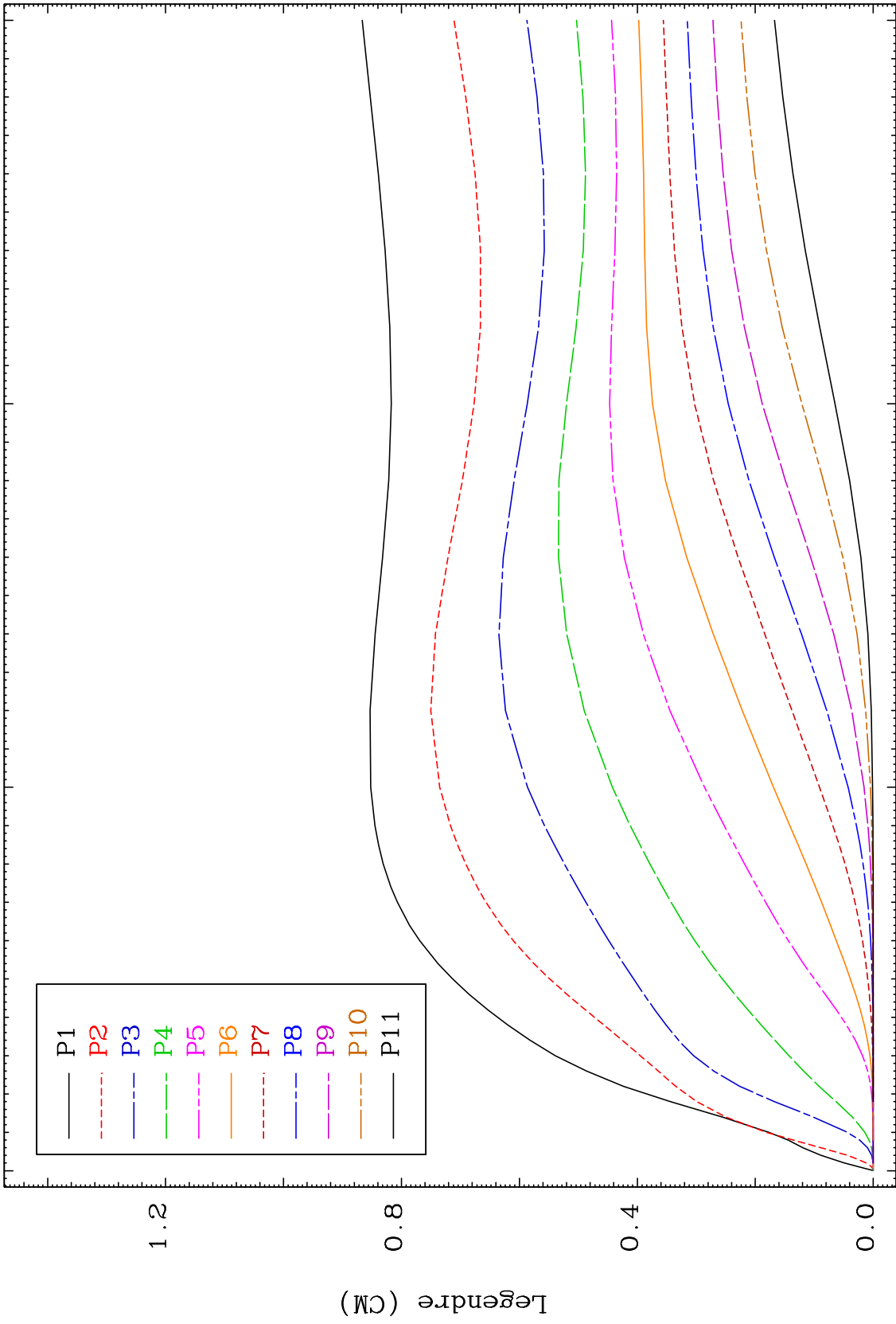
28-Ni-59



MAT 2828

Elastic Legendre Coefficients

28-Ni-59



28-Ni-59

Incident Energy (MeV)

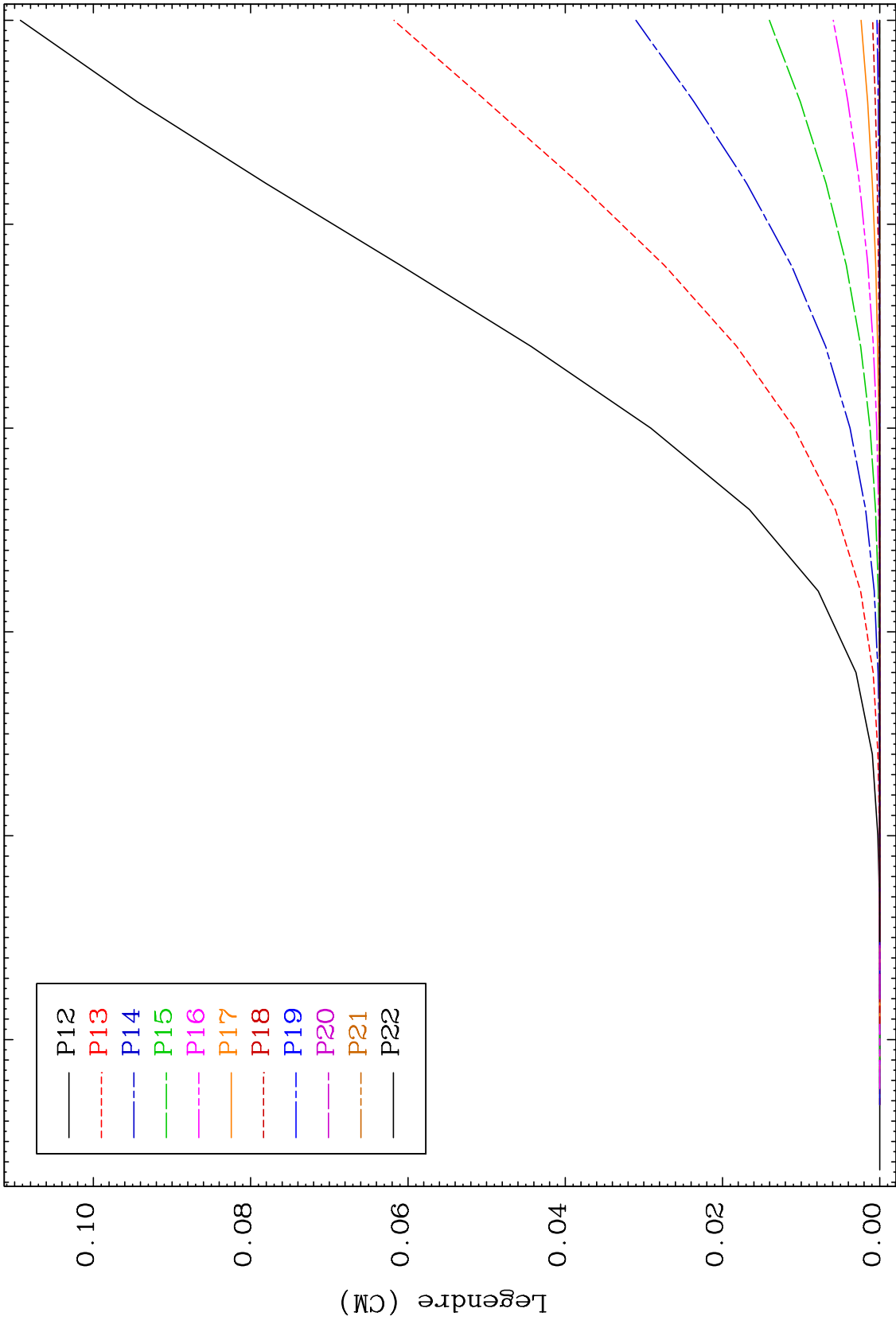
15



MAT 2828

Elastic Legendre Coefficients

28-Ni-59



28-Ni-59

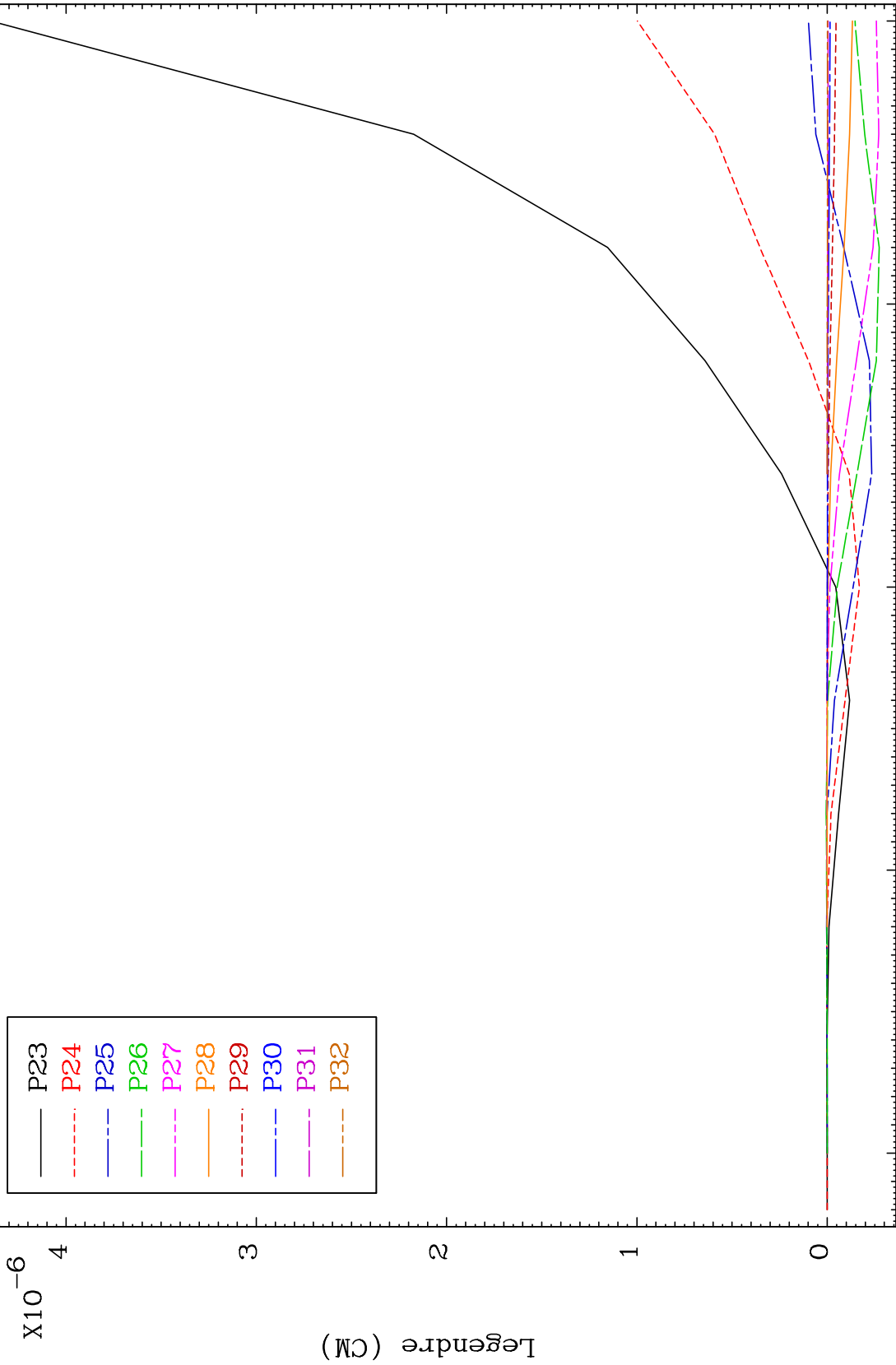
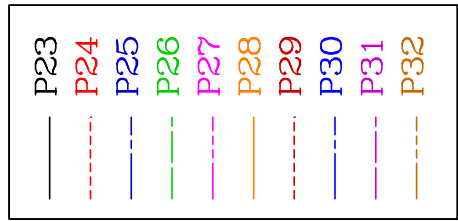
Incident Energy (MeV)

16

MAT 2828

Elastic Legendre Coefficients

28-Ni-59

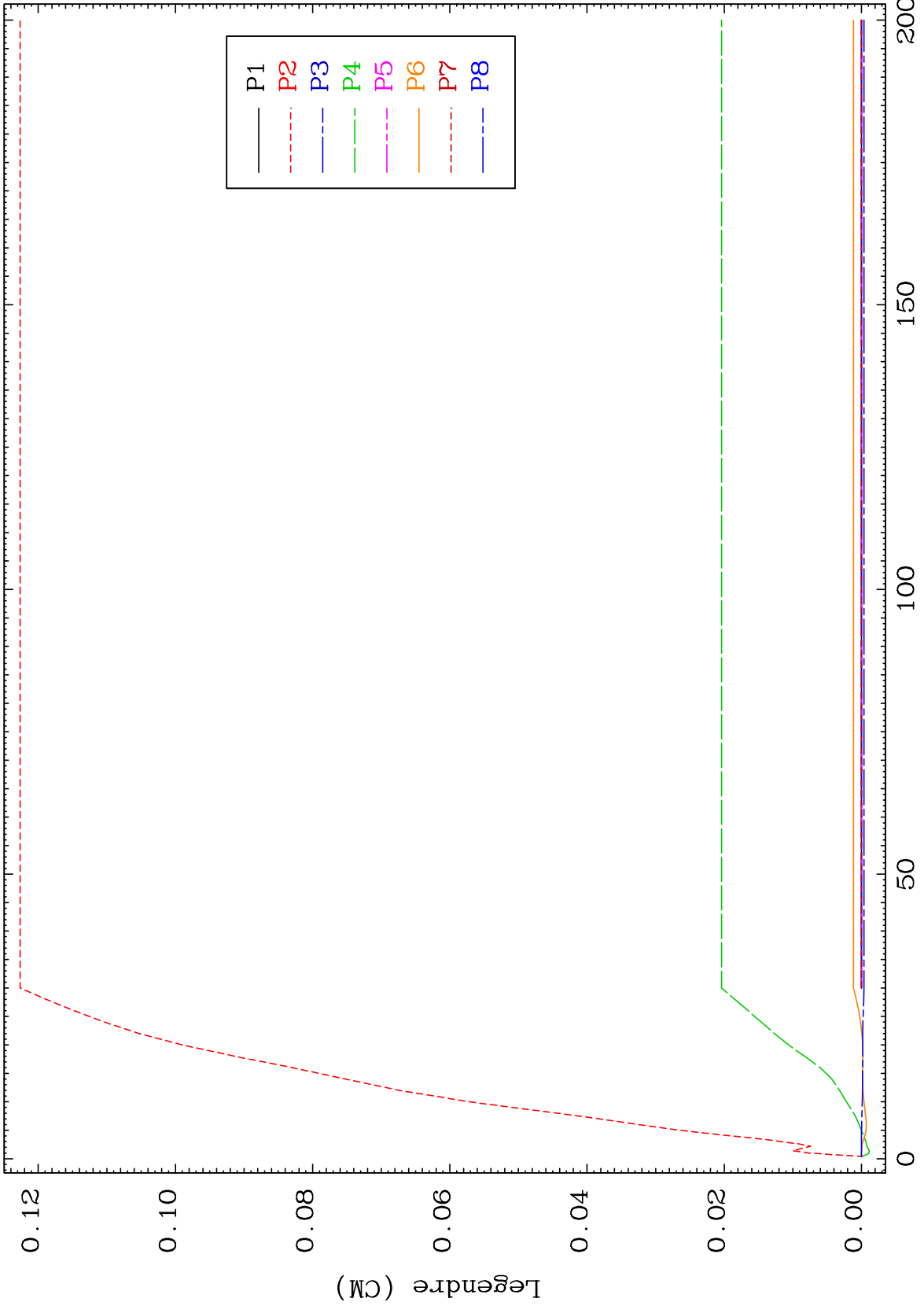


17

Incident Energy (MeV)

28-Ni-59

MAT 2828 MT= 51 (n,n') Level Legendre Coefficients 28-Ni-59

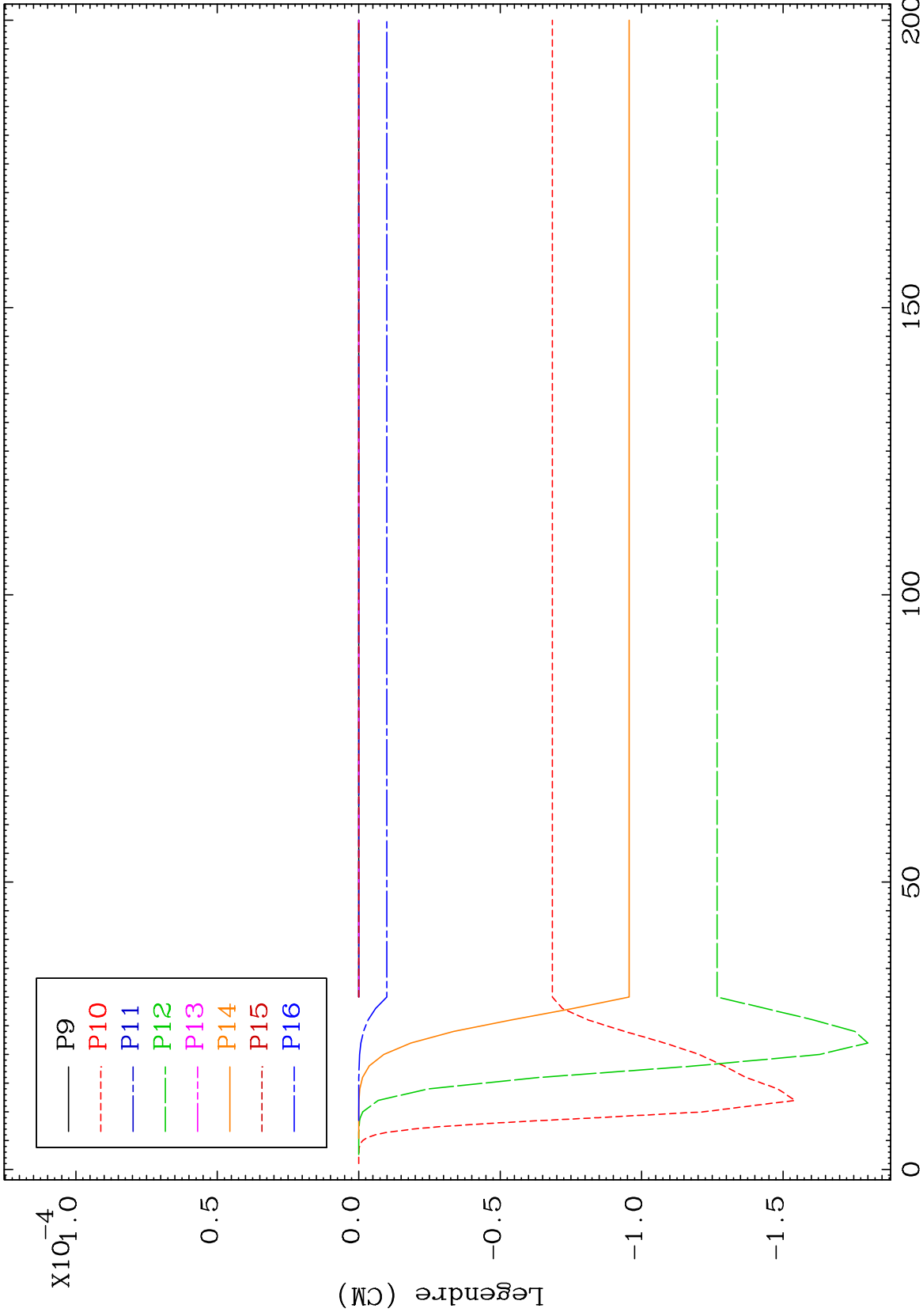


18 Incident Energy (MeV) 28-Ni-59

MAT 2828

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

28-Ni-59



19

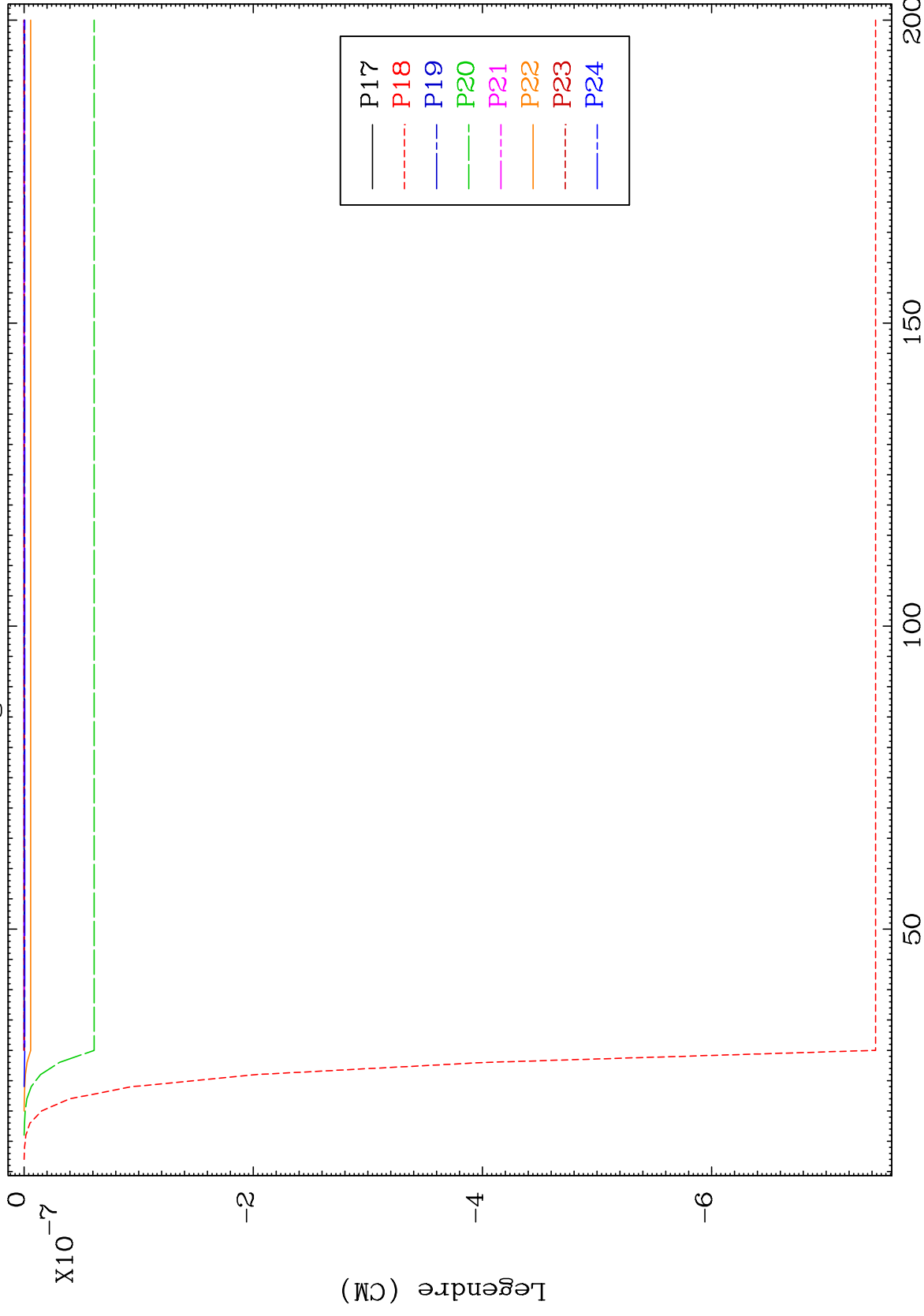
Incident Energy (MeV)

28-Ni-59

MAT 2828

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

28-Ni-59

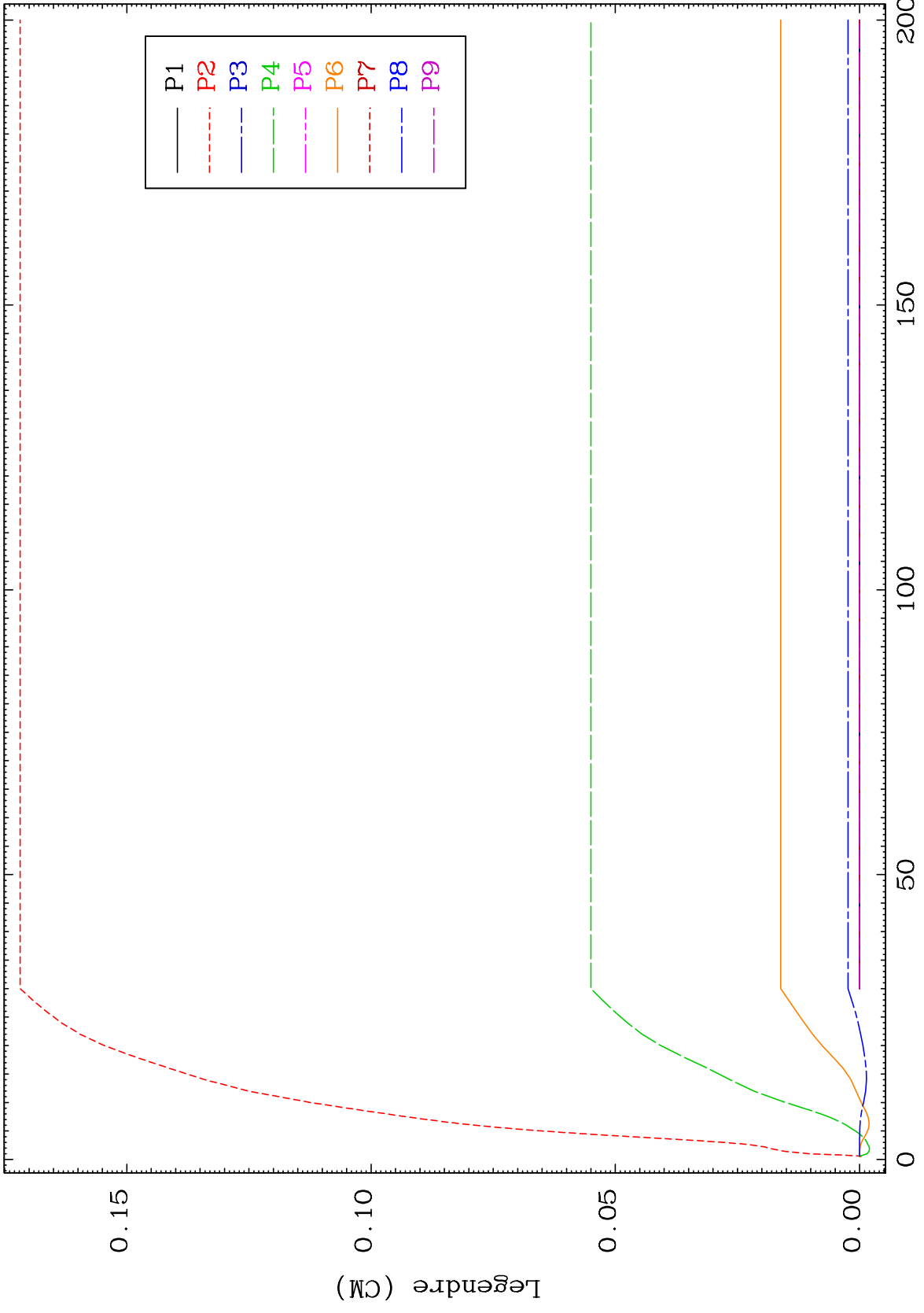


28-Ni-59

Incident Energy (MeV)

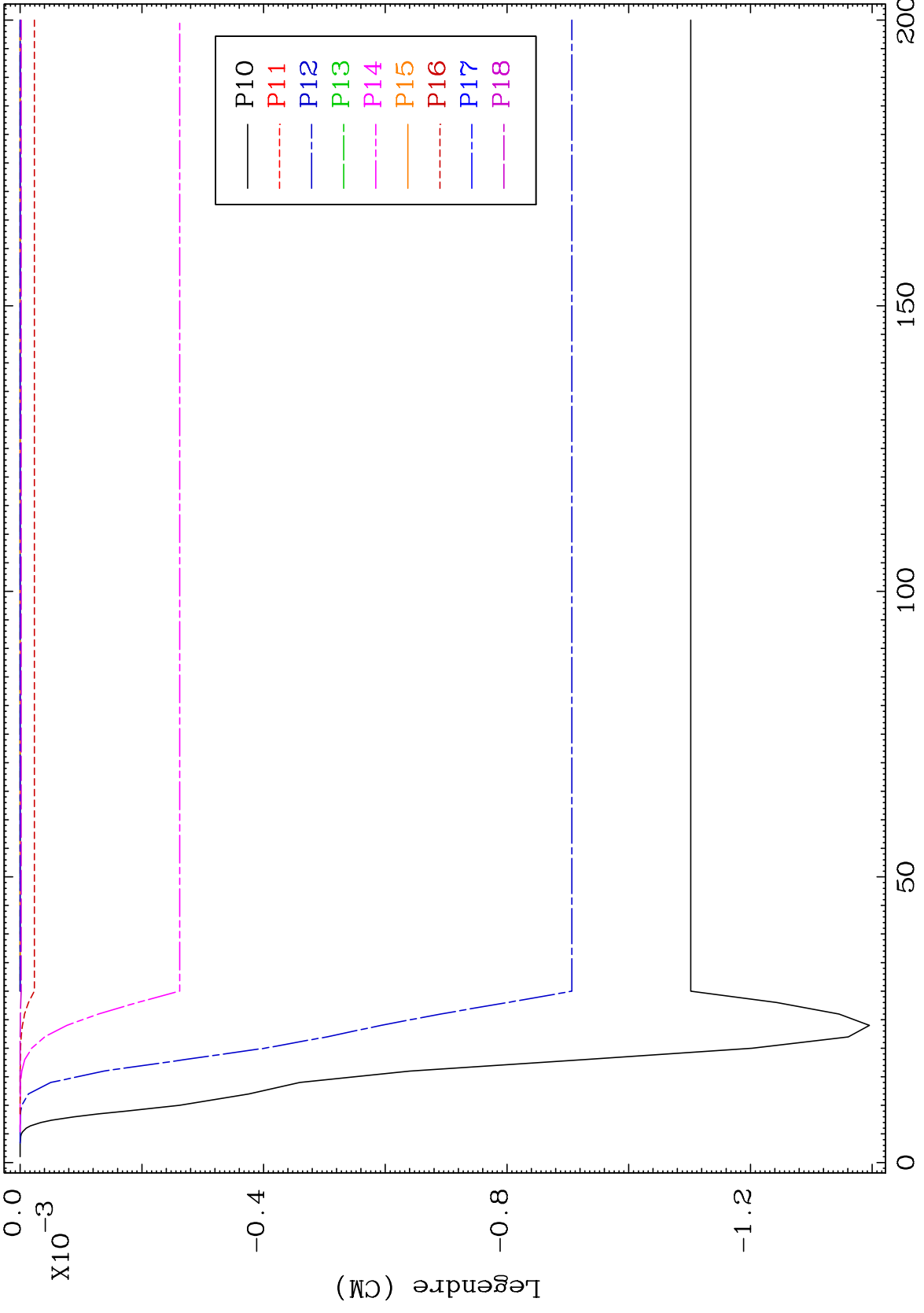
20

MAT 2828 MT= 52 (n,n') Level Legendre Coefficients 28-Ni-59



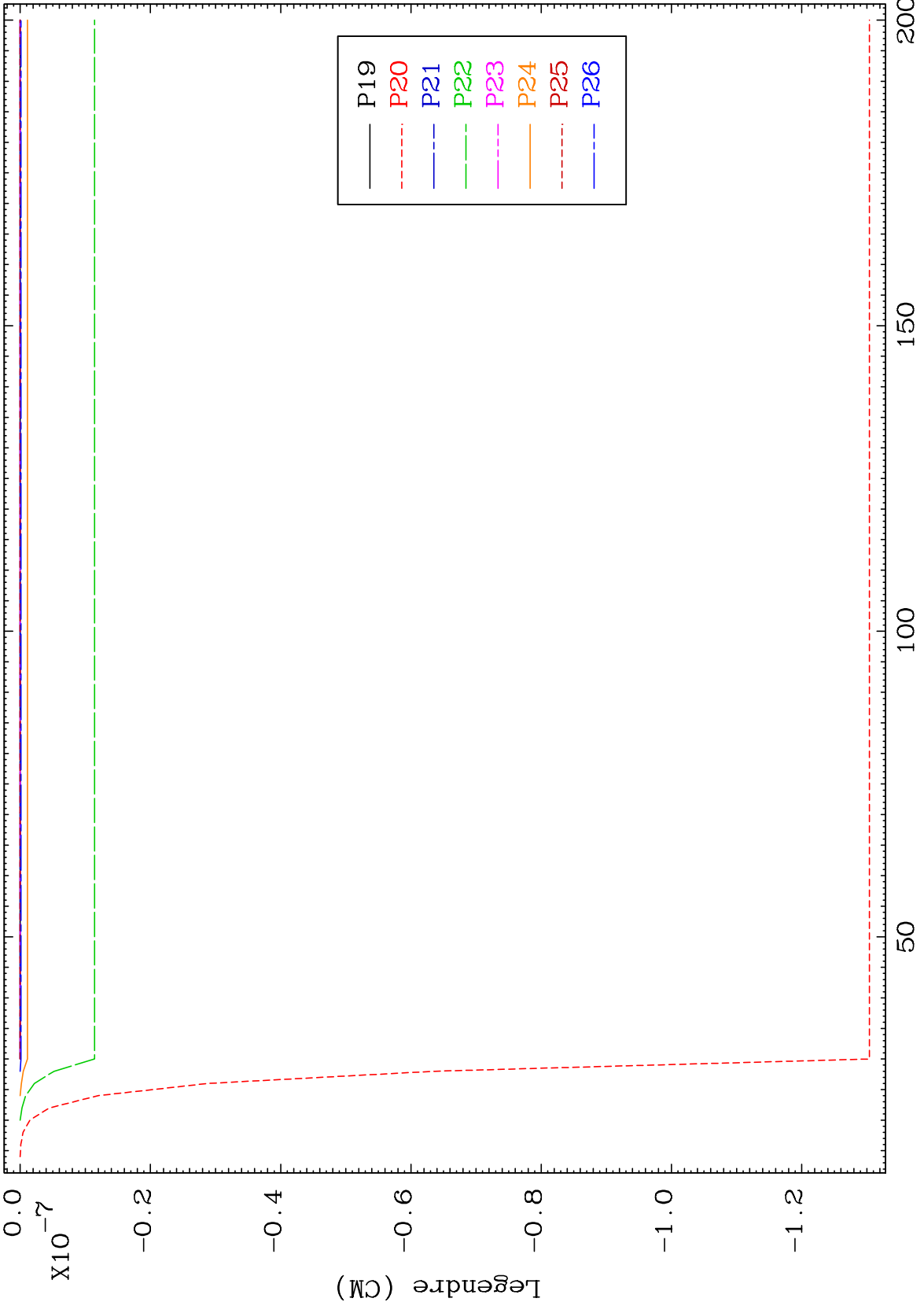
21 28-Ni-59

MAT 2828 MT= 52 (n,n') Level Legendre Coefficients 28-Ni-59



22 Incident Energy (MeV) 28-Ni-59

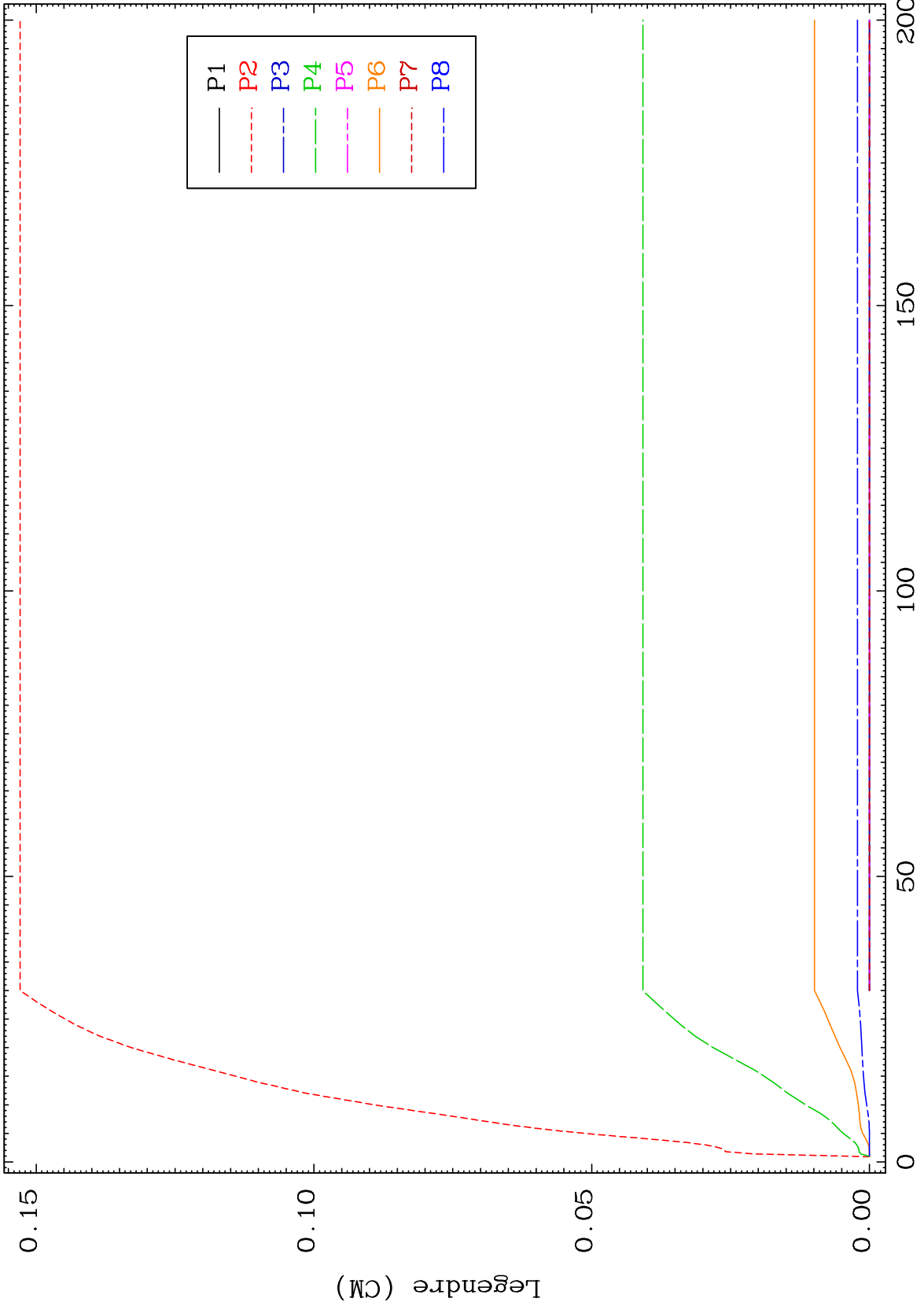
MAT 2828 MT= 52 (n,n') Level Legendre Coefficients 28-Ni-59



23 Incident Energy (MeV) 28-Ni-59



MAT 2828 MT= 53 (n,n') Level Legendre Coefficients 28-Ni-59

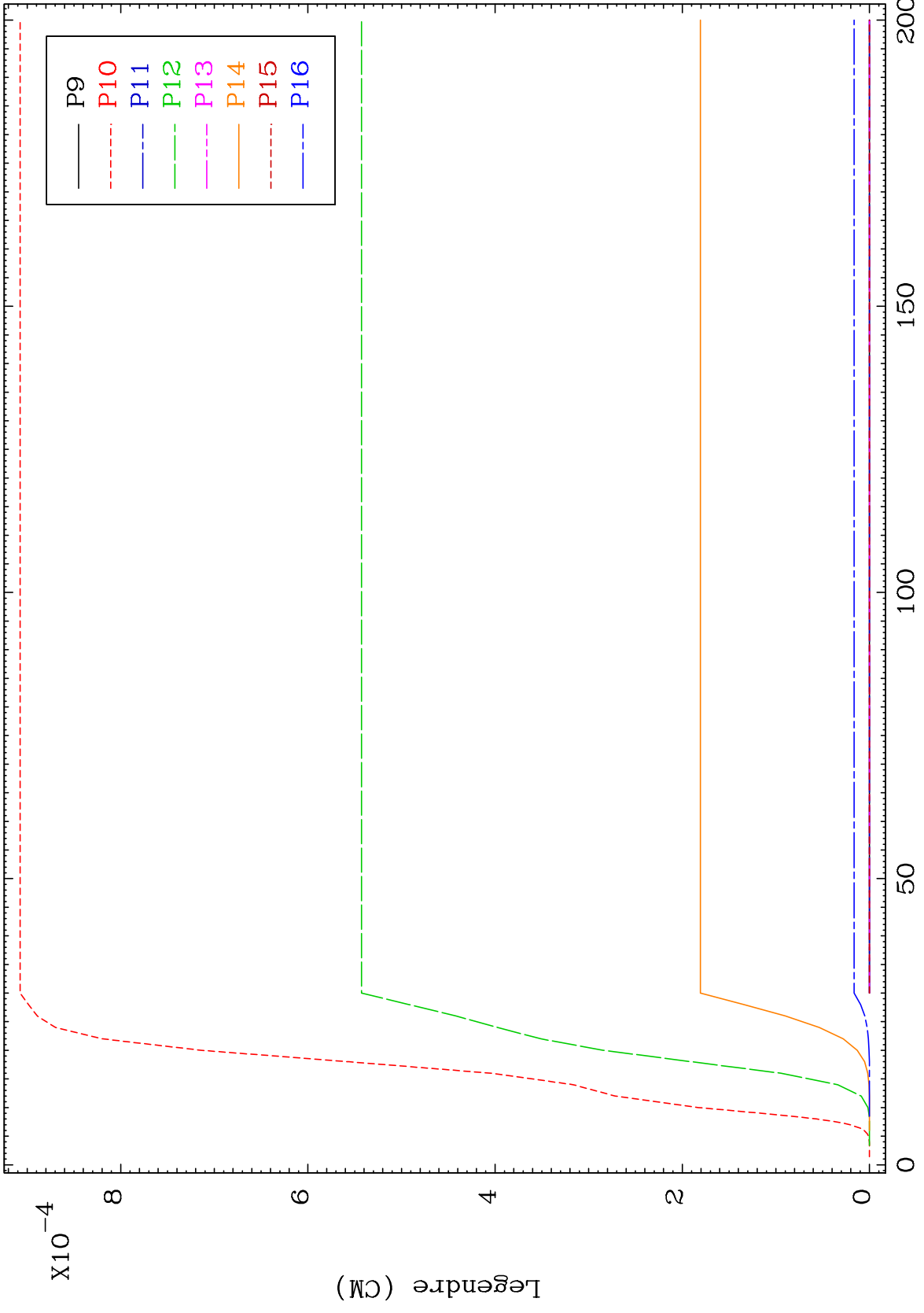


28-Ni-59

MAT 2828

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

28-Ni-59

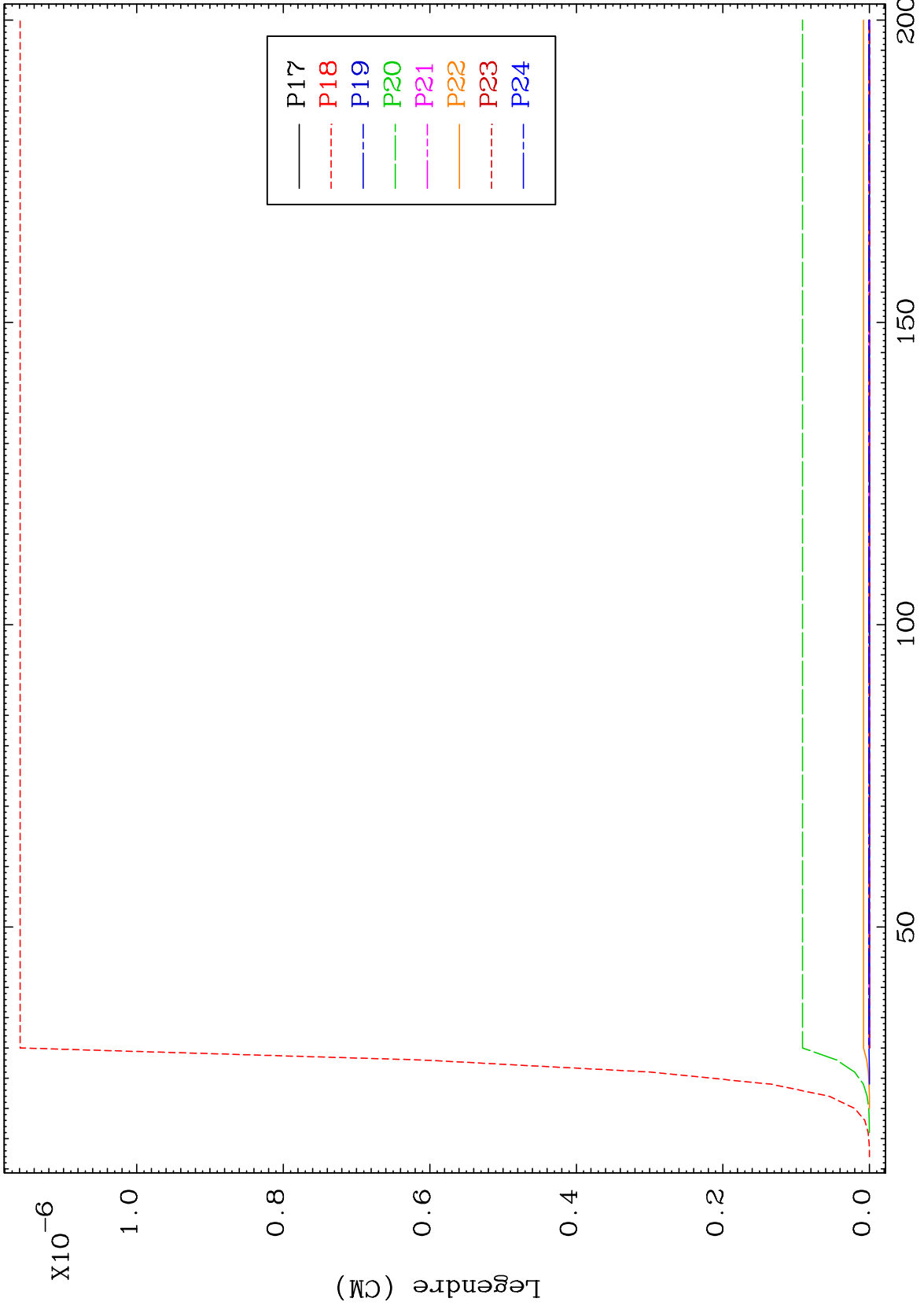


28-Ni-59

Incident Energy (MeV)

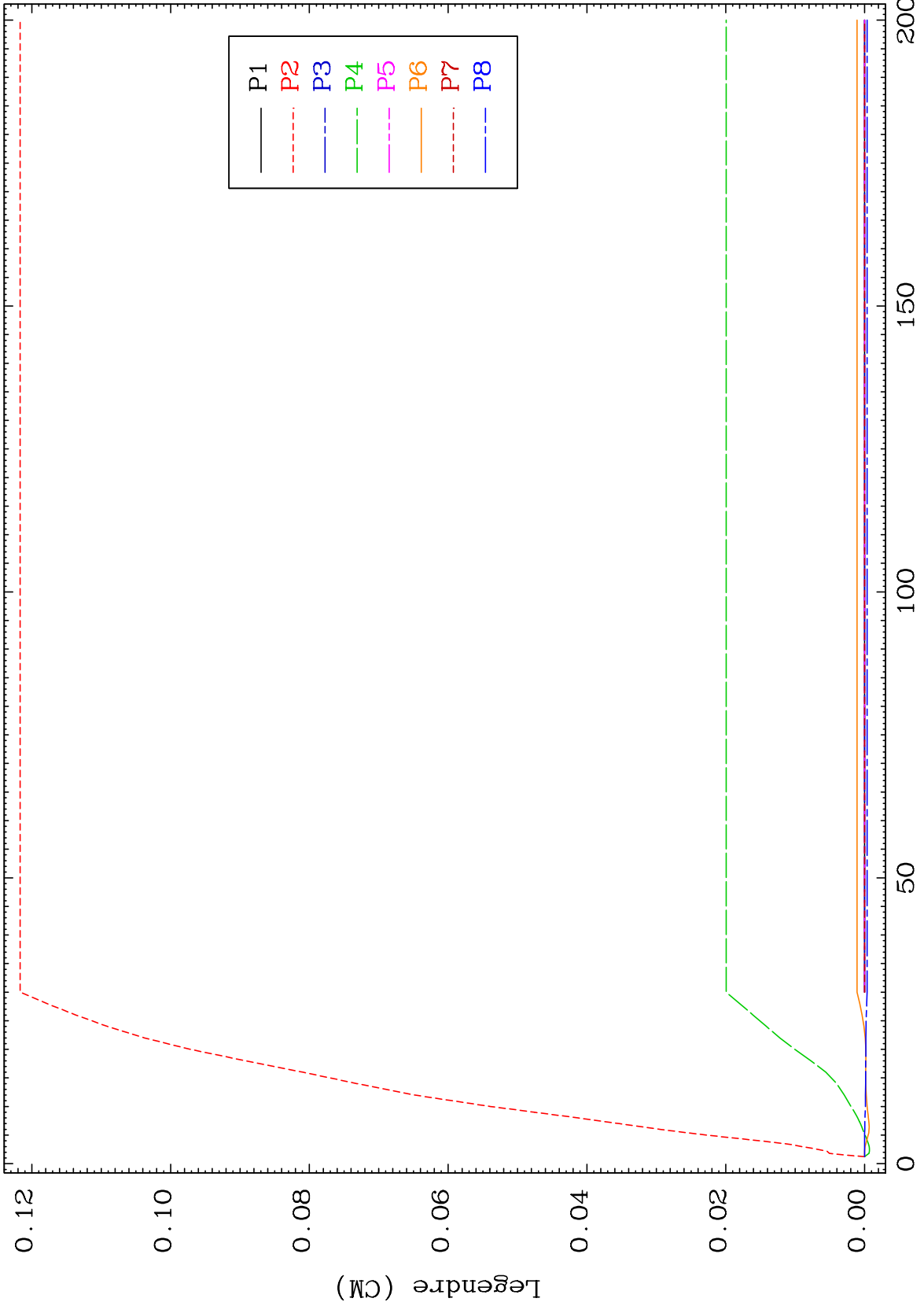
25

MAT 2828 MT= 53 (n,n') Level Legendre Coefficients 28-Ni-59



26 28-Ni-59

MAT 2828 MT= 54 (n,n') Level Legendre Coefficients 28-Ni-59

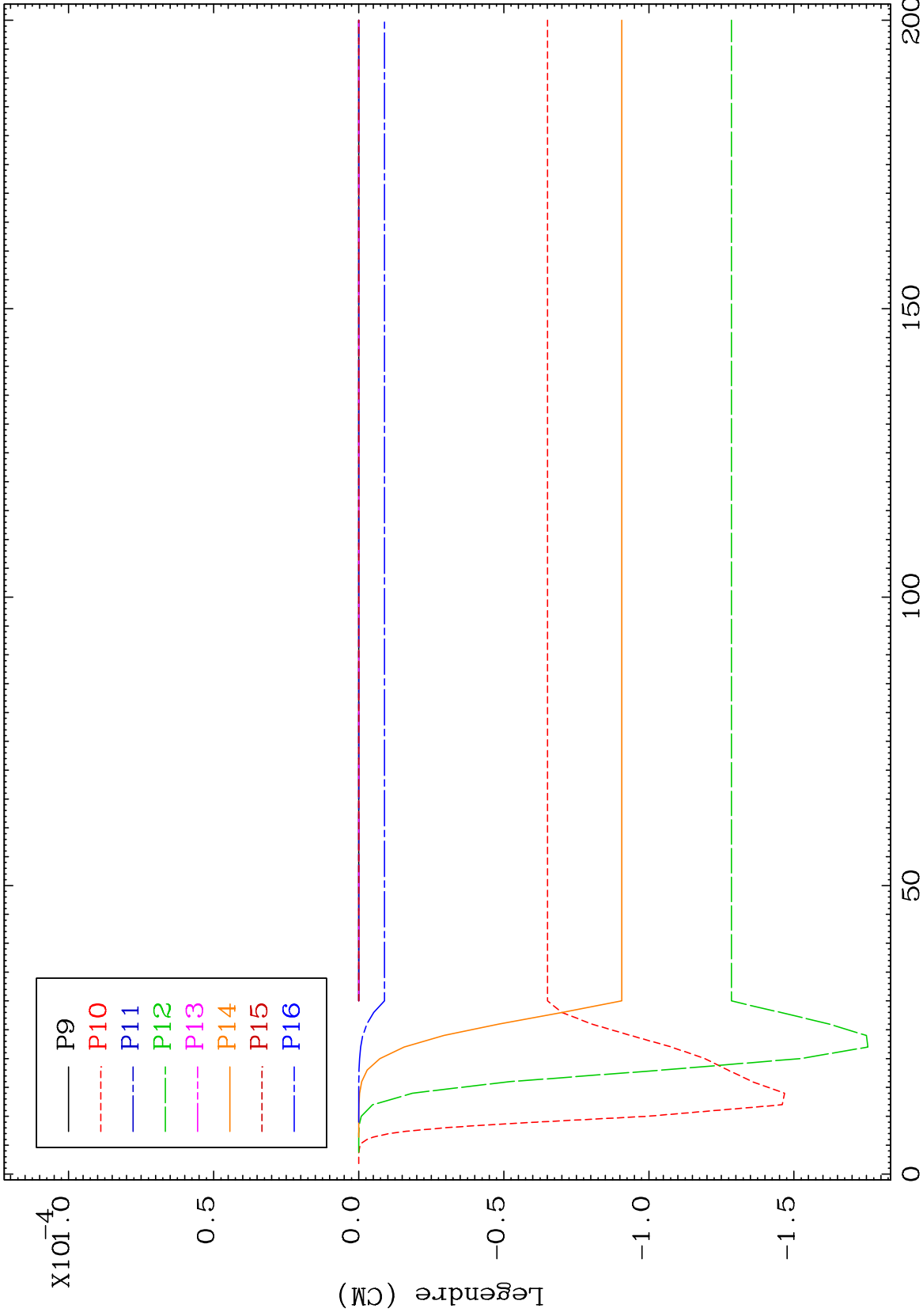


27 Incident Energy (MeV) 28-Ni-59

MAT 2828

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

28-Ni-59



28

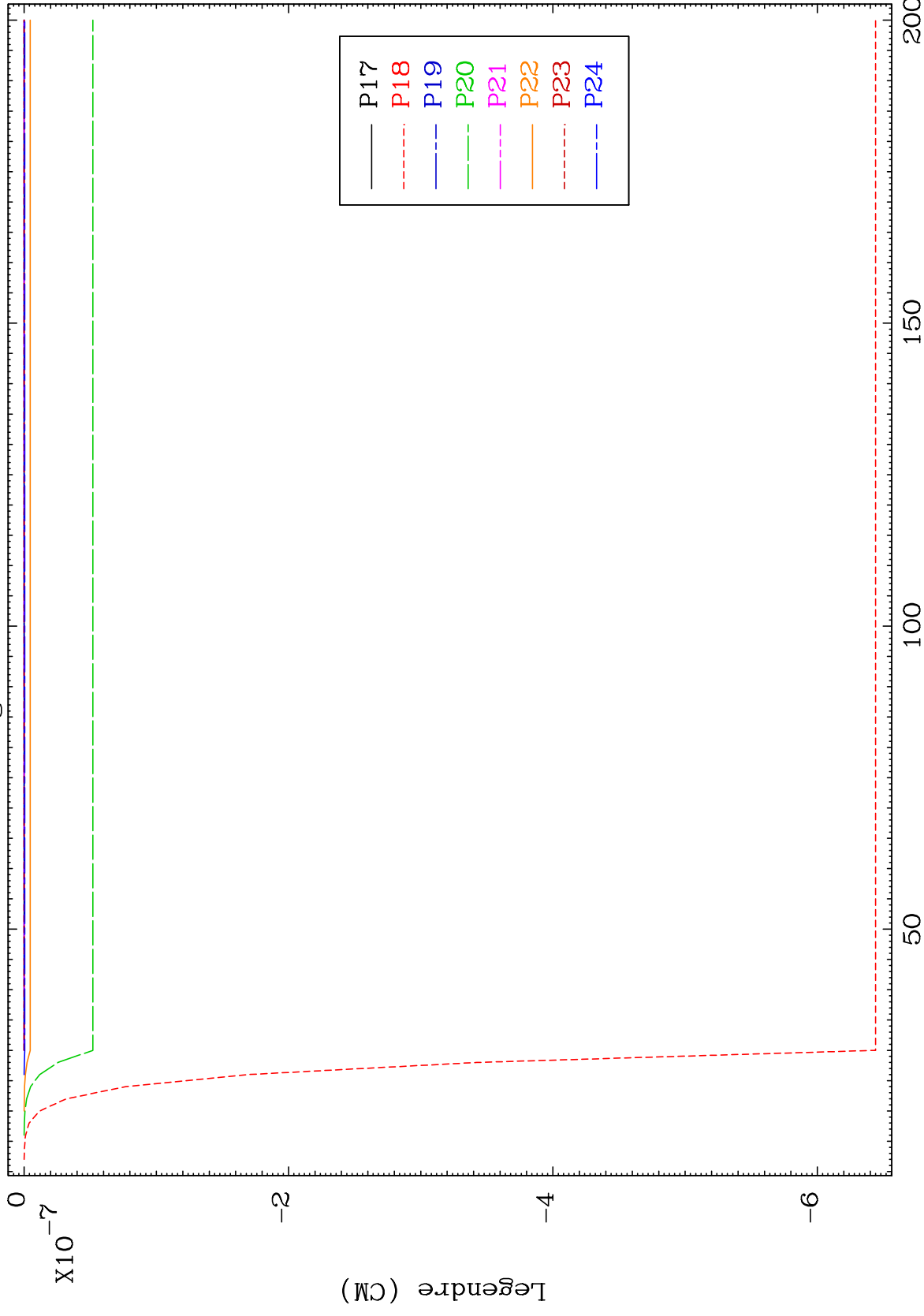
Incident Energy (MeV)

28-Ni-59

MAT 2828

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

28-Ni-59



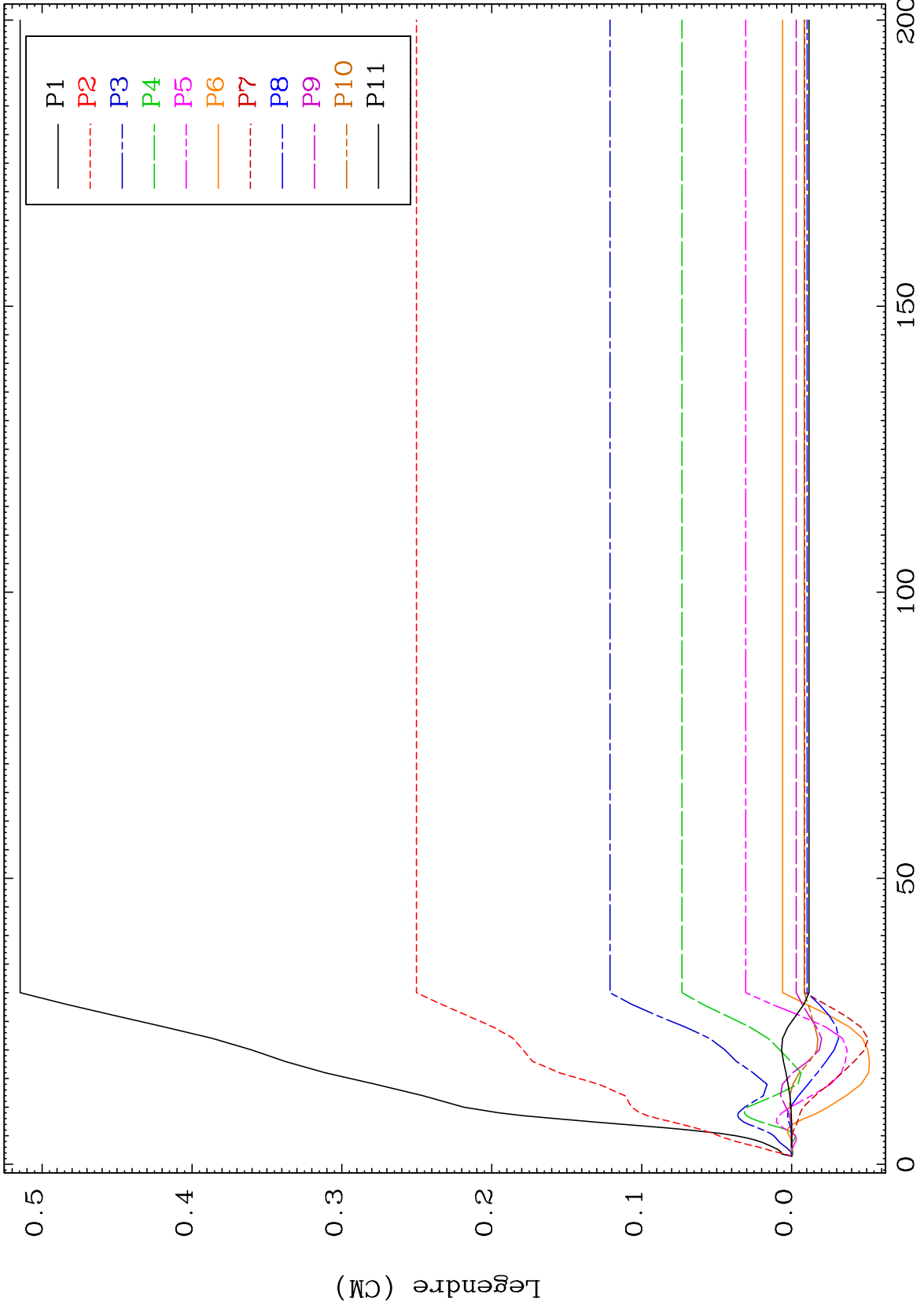
28-Ni-59

29

MAT 2828

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

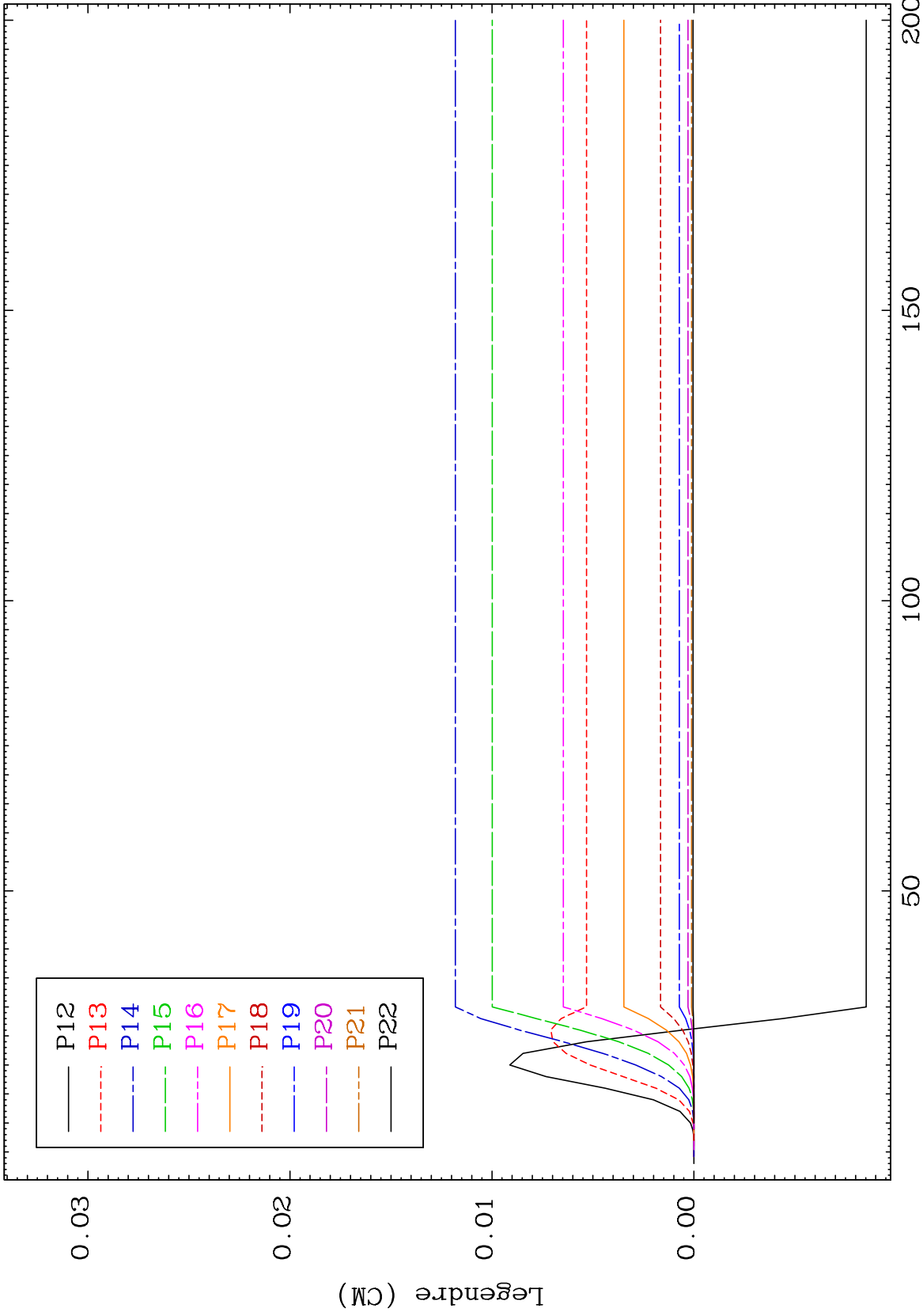
28-Ni-59



28-Ni-59

Incident Energy (MeV)

30

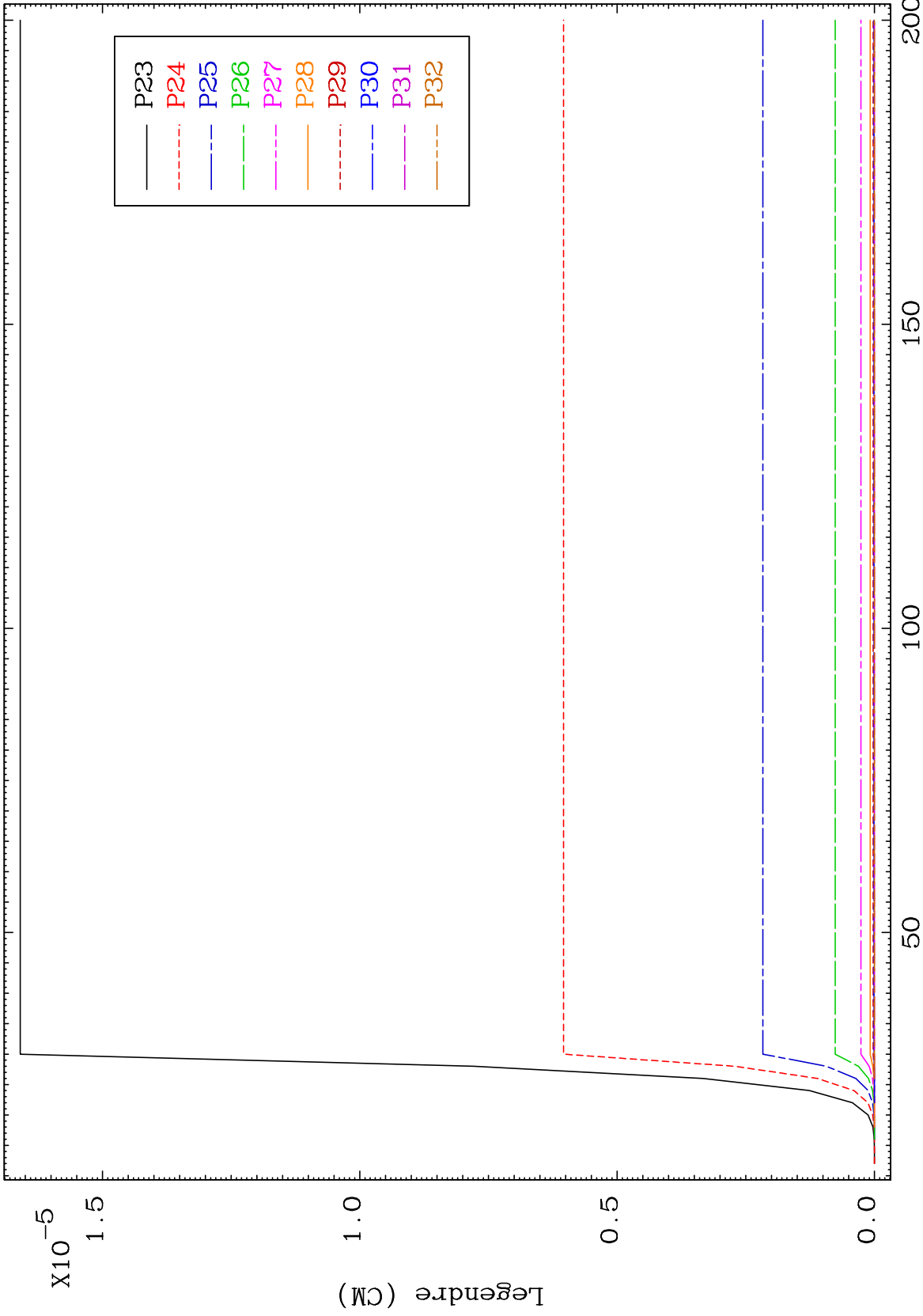




MAT 2828

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

28-Ni-59



32

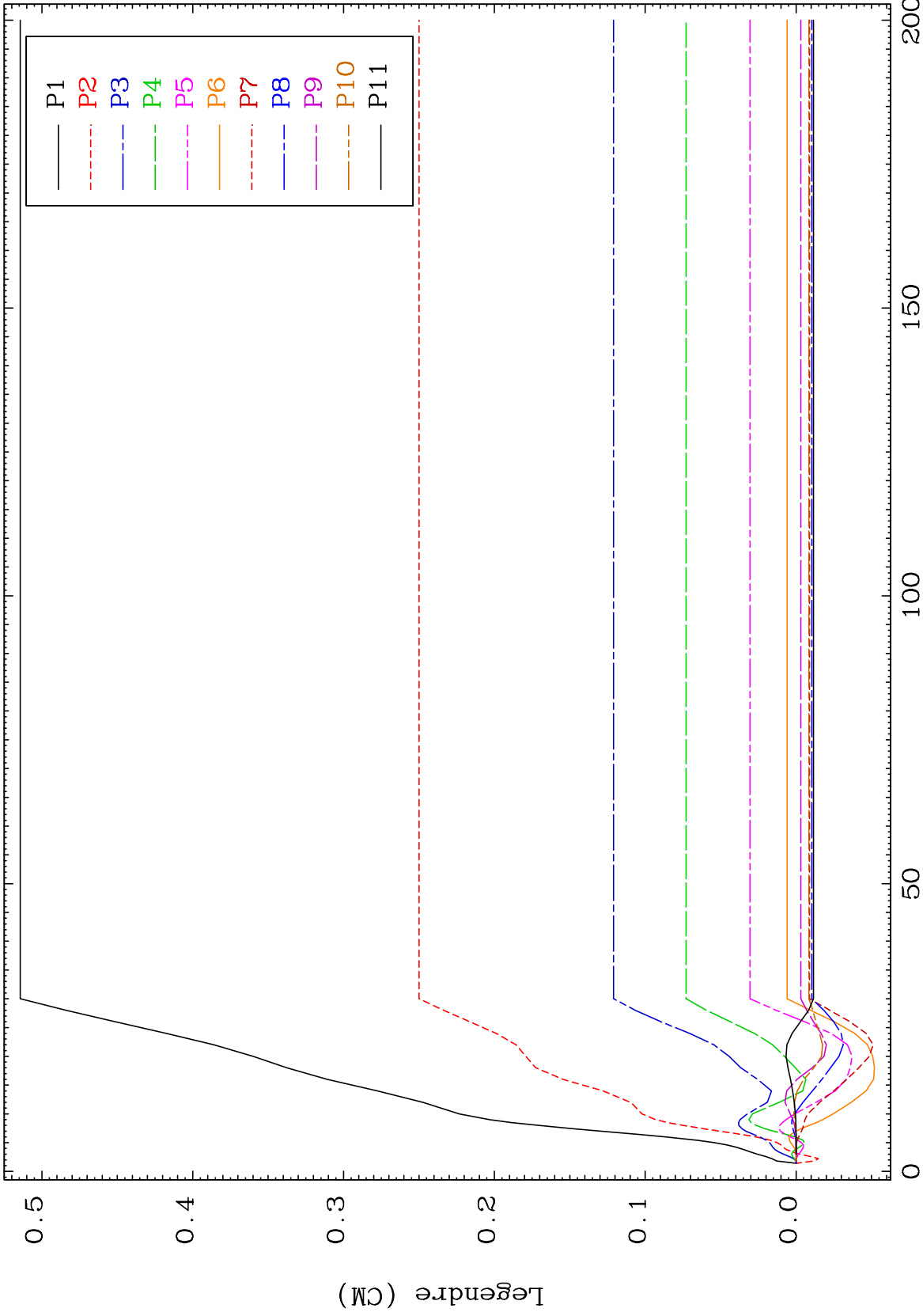
Incident Energy (MeV)

28-Ni-59

MAT 2828

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

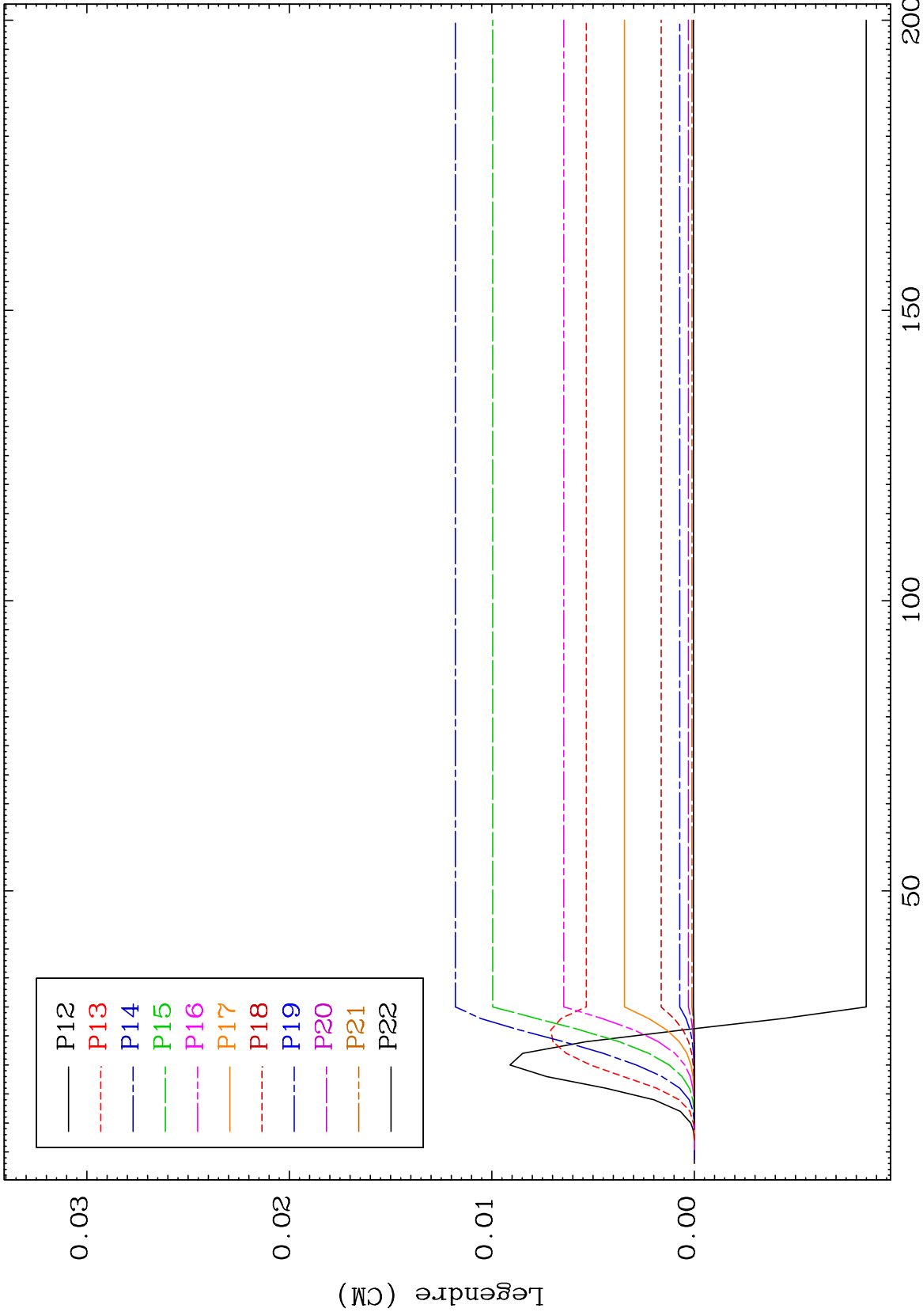
28-Ni-59



33

Incident Energy (MeV)

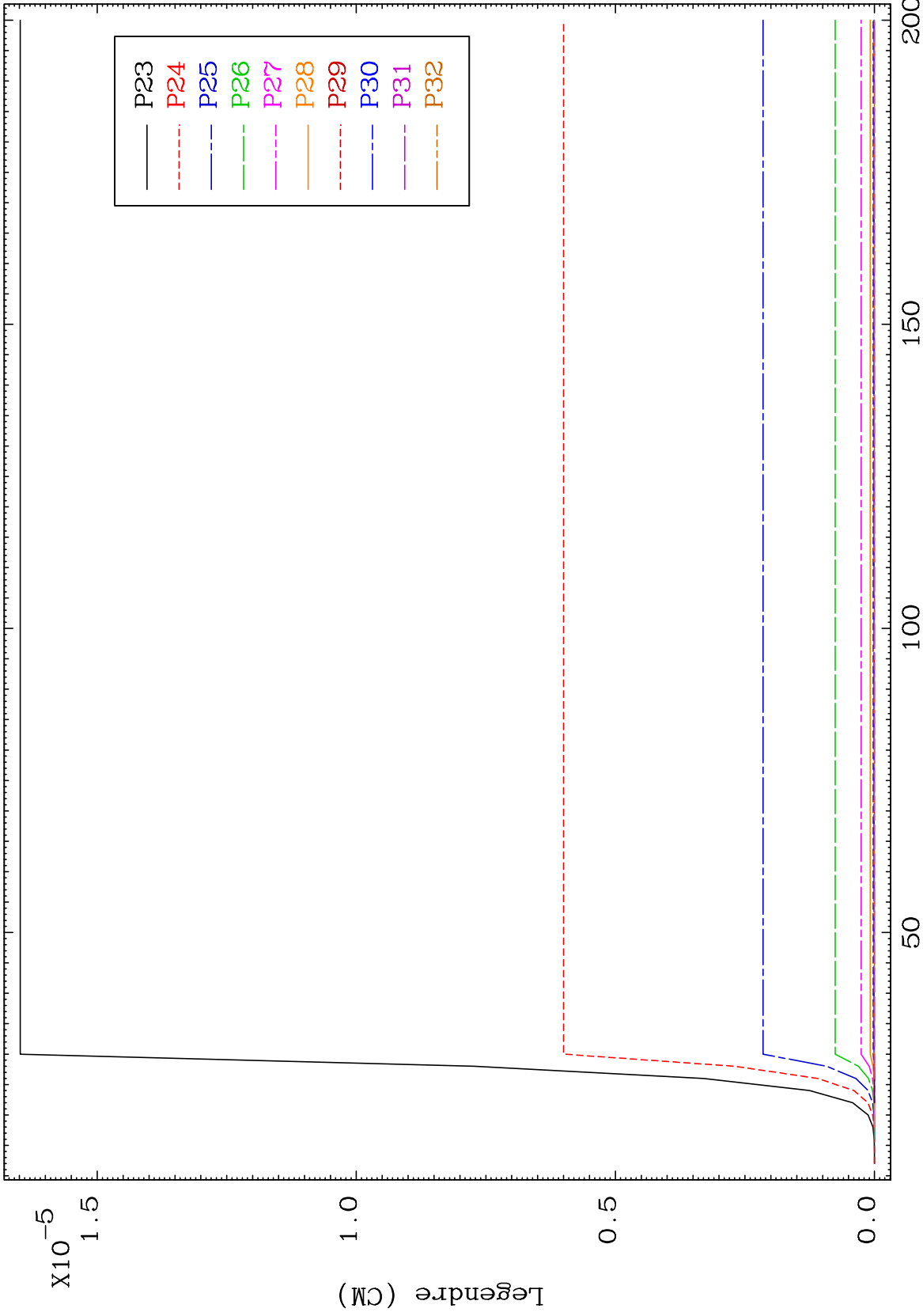
28-Ni-59



MAT 2828

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

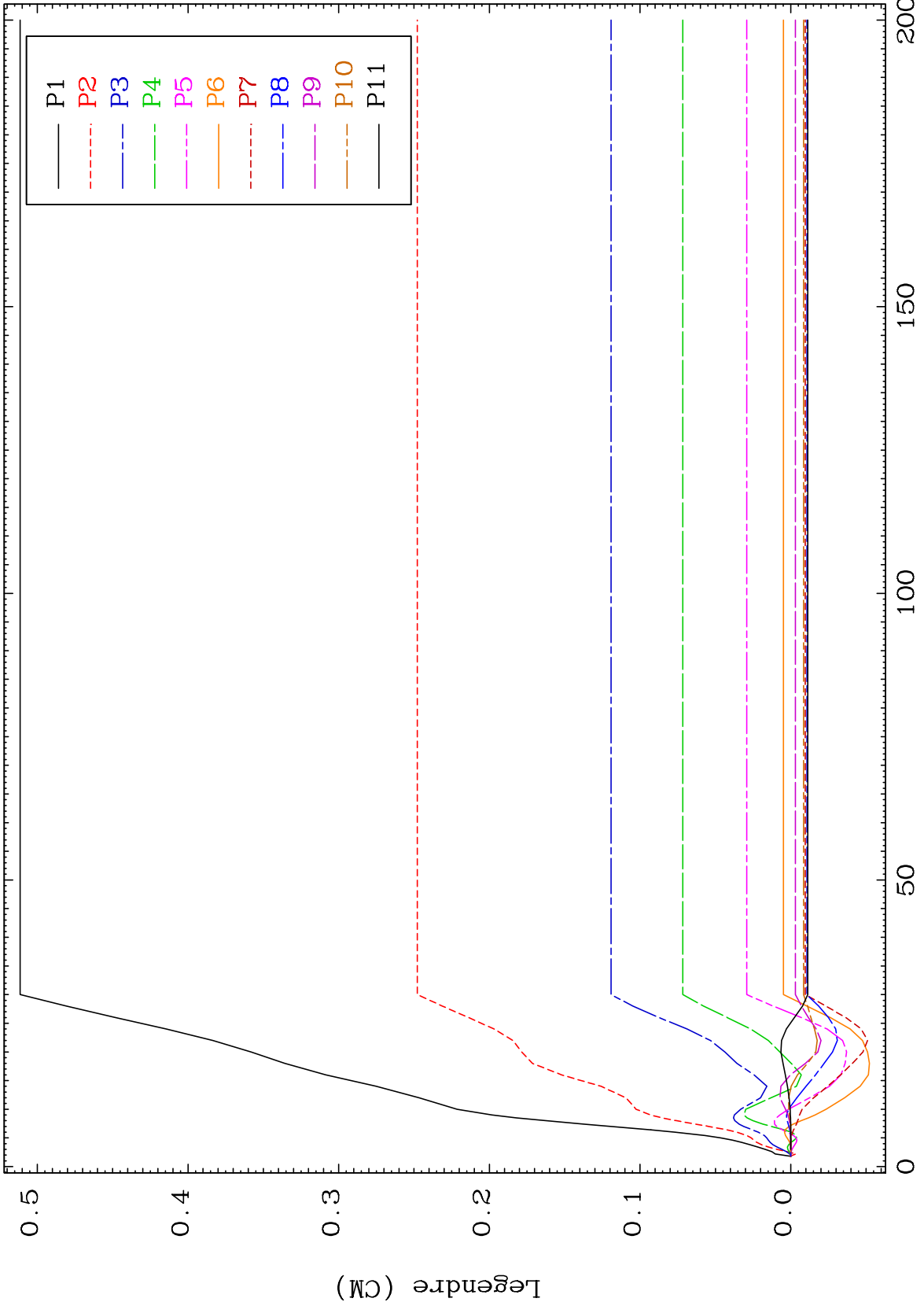
28-Ni-59



MAT 2828

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

28-Ni-59



36

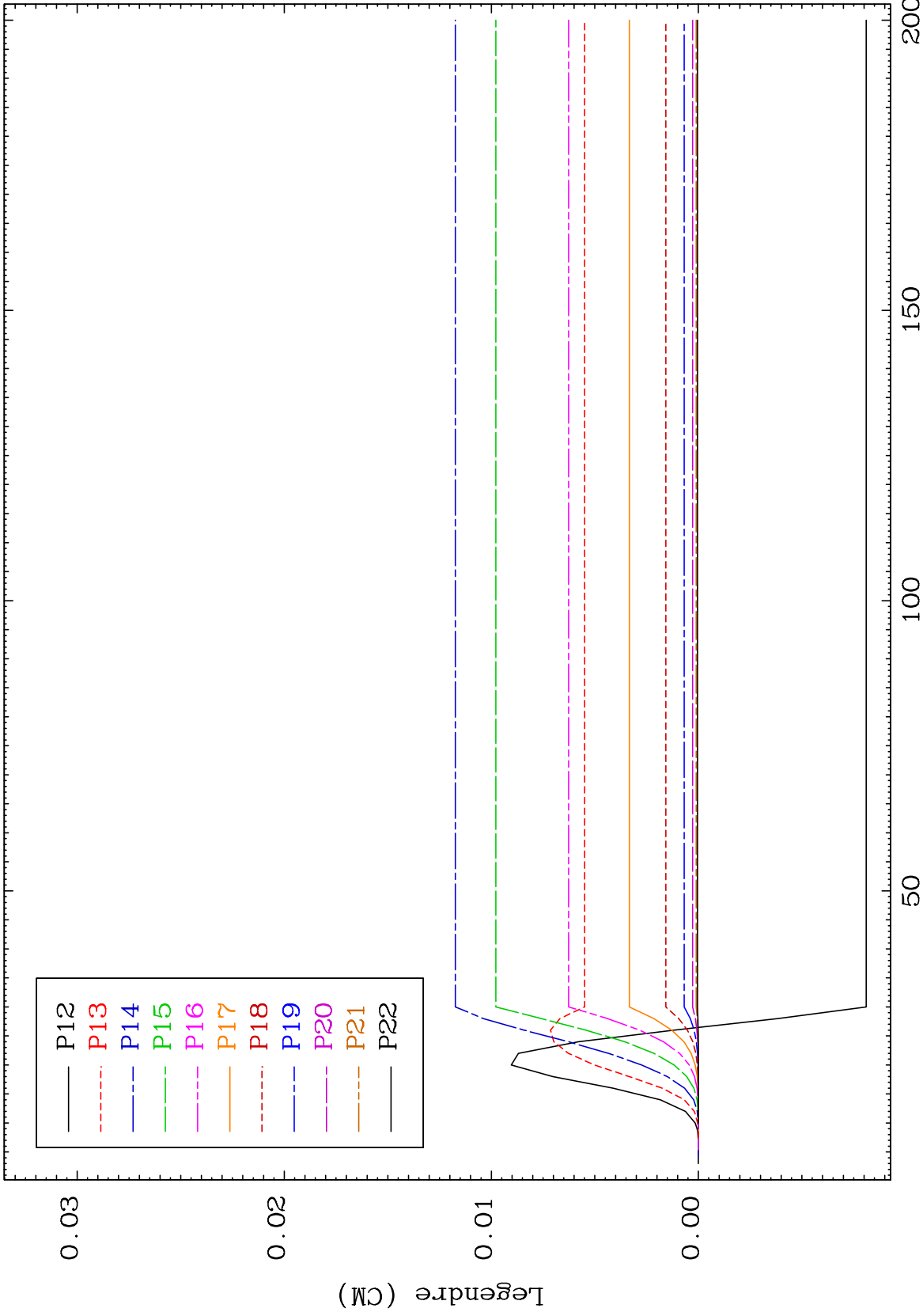
Incident Energy (MeV)

28-Ni-59

MAT 2828

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

28-Ni-59



37

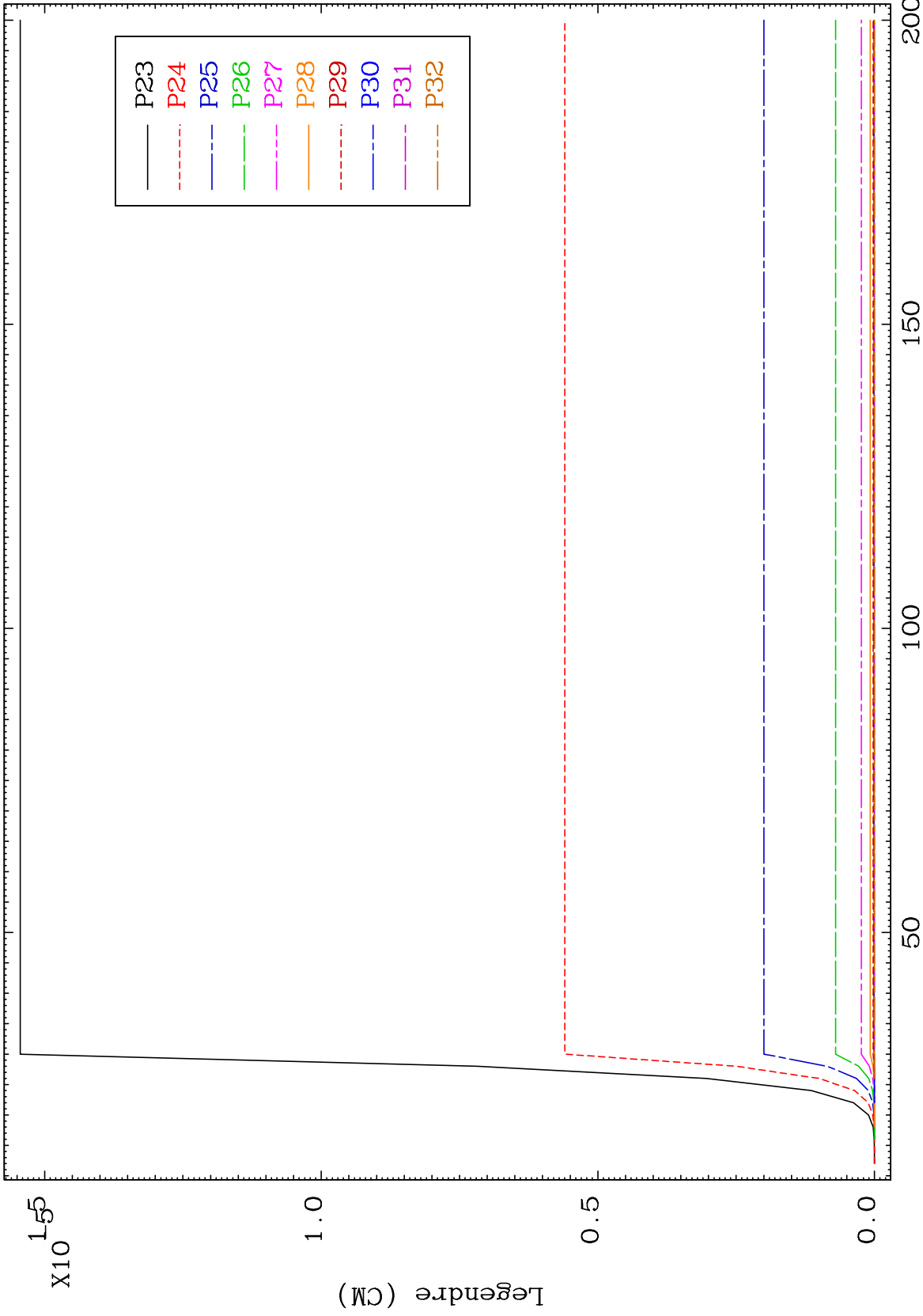
Incident Energy (MeV)

28-Ni-59

MAT 2828

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

28-Ni-59



38

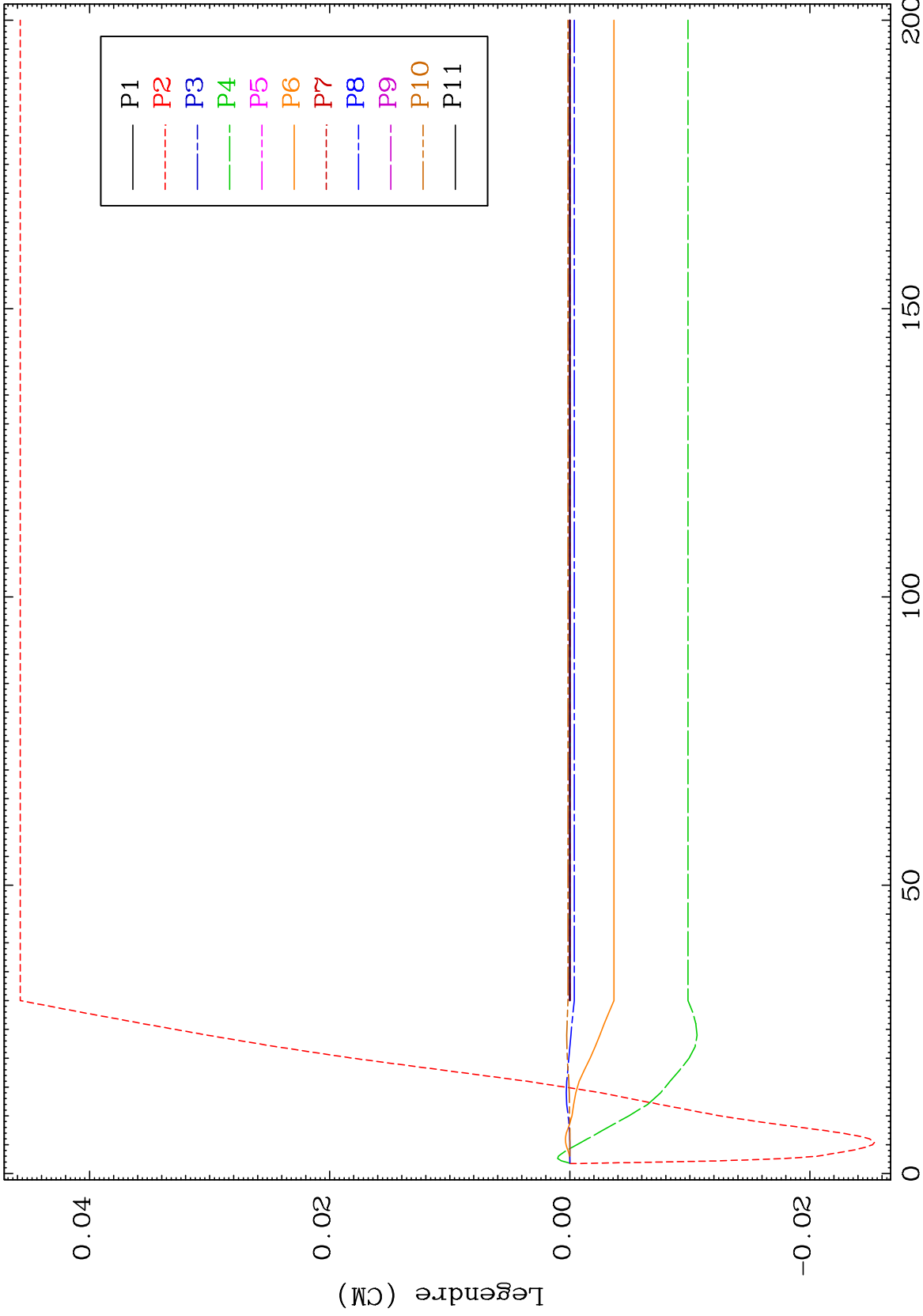
Incident Energy (MeV)

28-Ni-59

MAT 2828

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

28-Ni-59



39

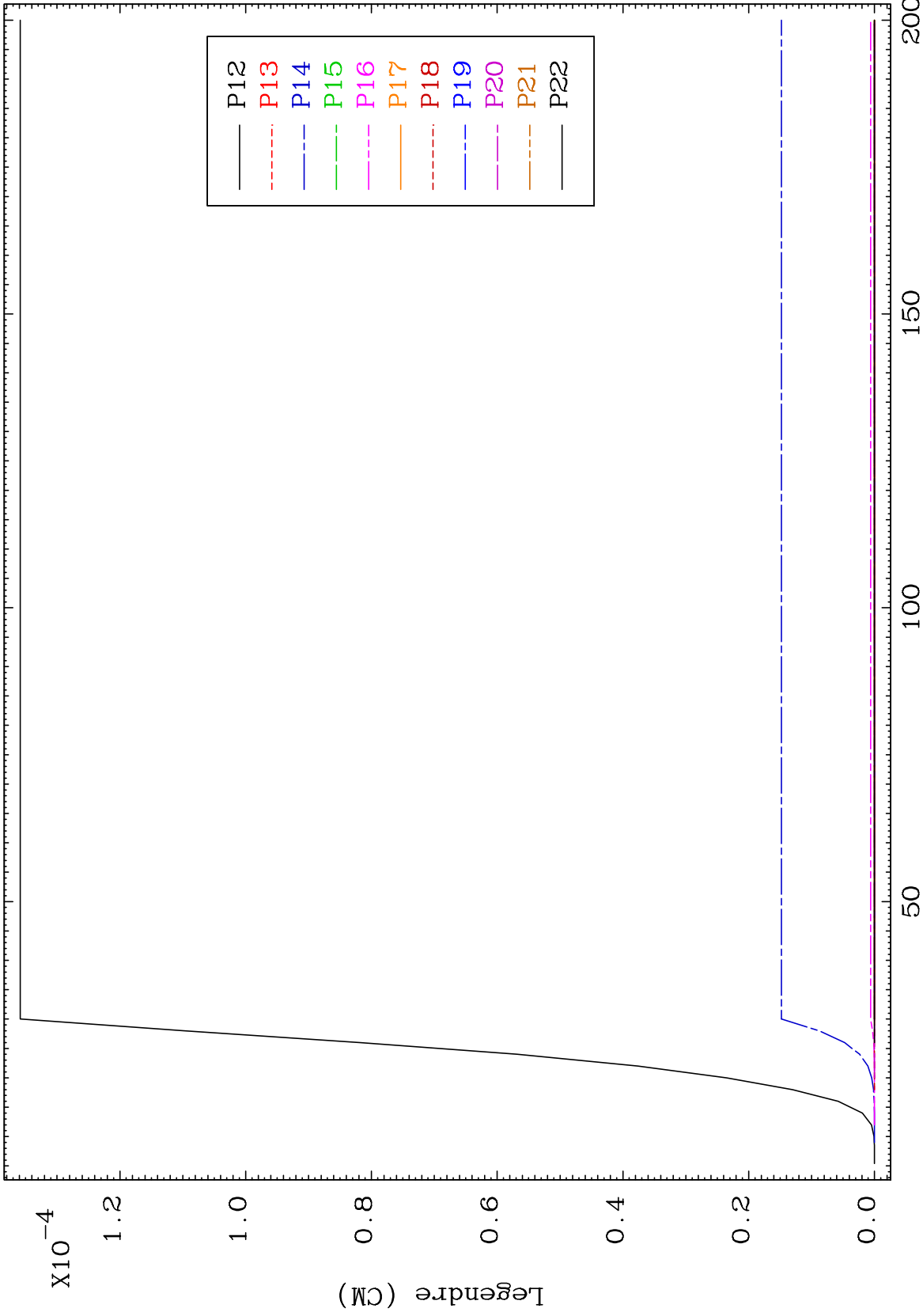
28-Ni-59



MAT 2828

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

28-Ni-59

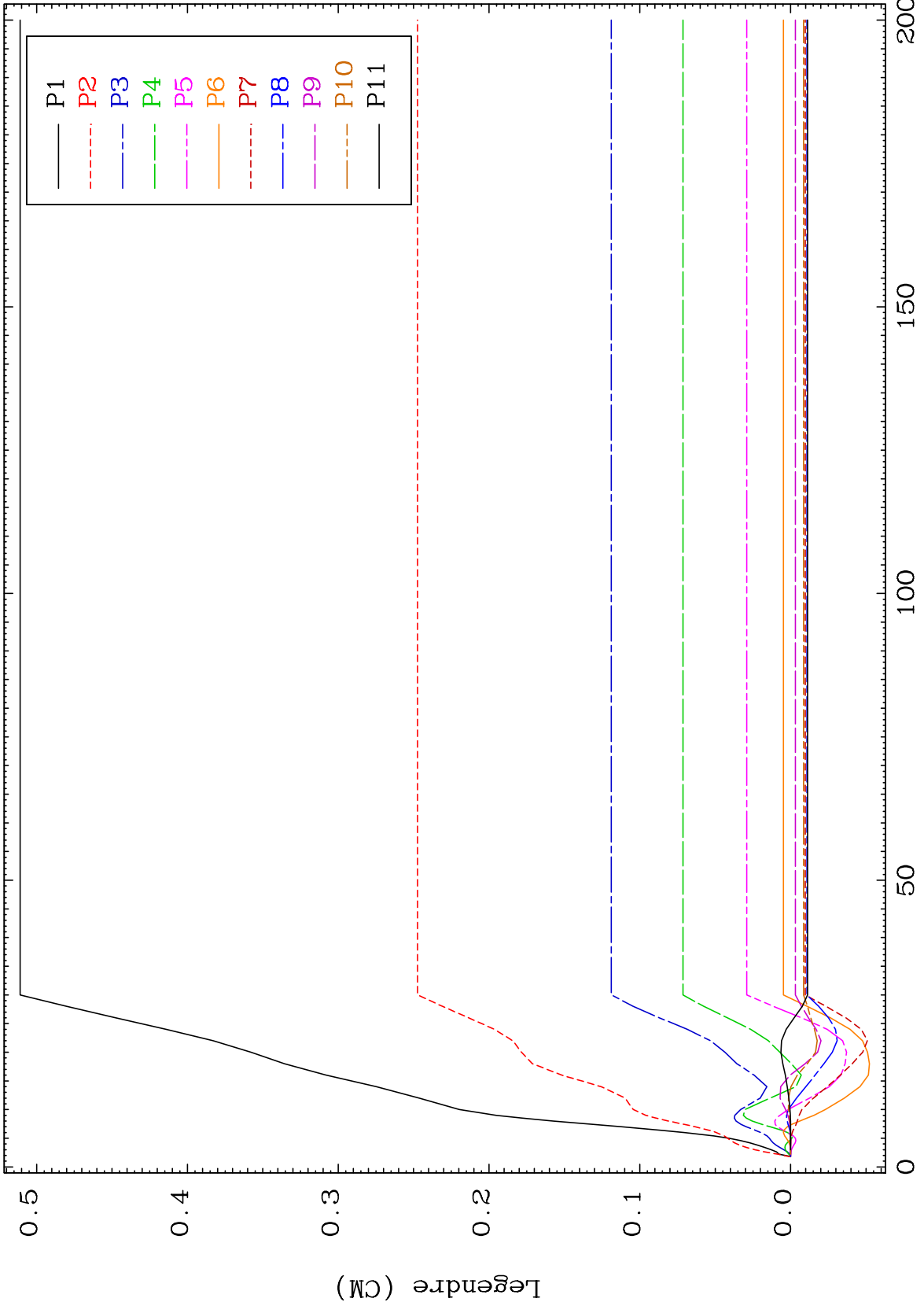


40

Incident Energy (MeV)

28-Ni-59

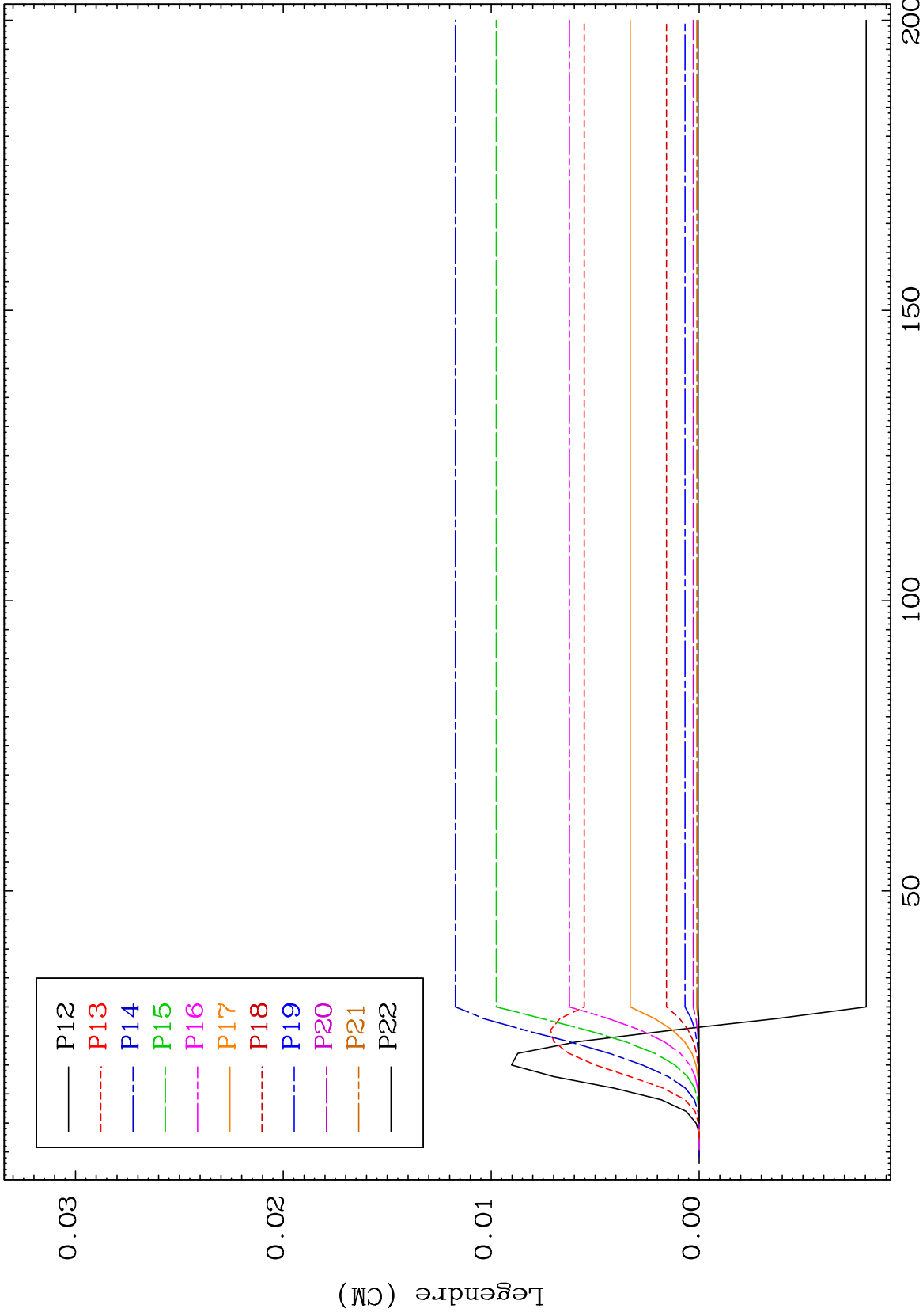
MAT 2828 MT= 59 (n,n') Level Legendre Coefficients 28-Ni-59



MAT 2828

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

28-Ni-59



42

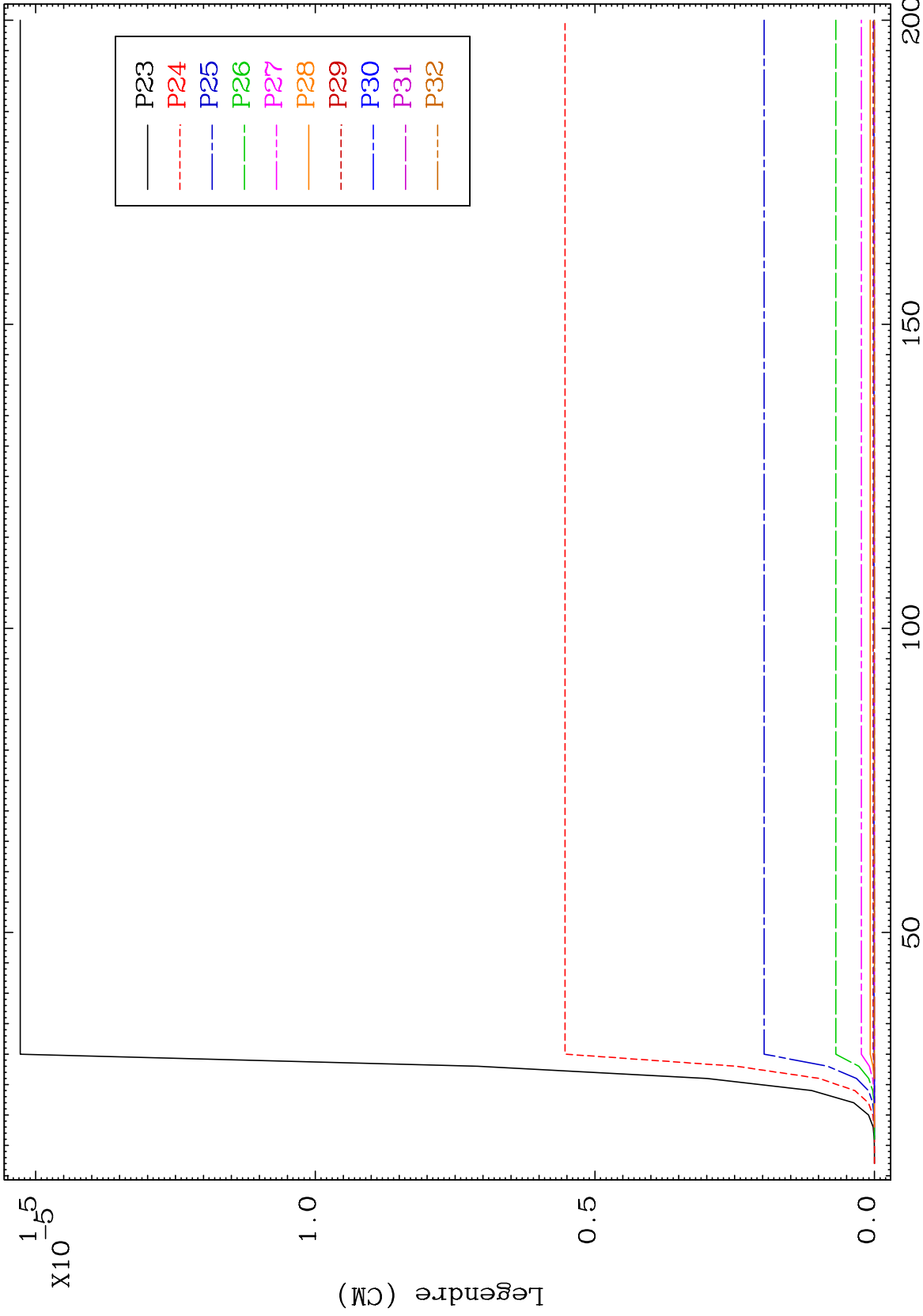
Incident Energy (MeV)

28-Ni-59

MAT 2828

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

28-Ni-59



43

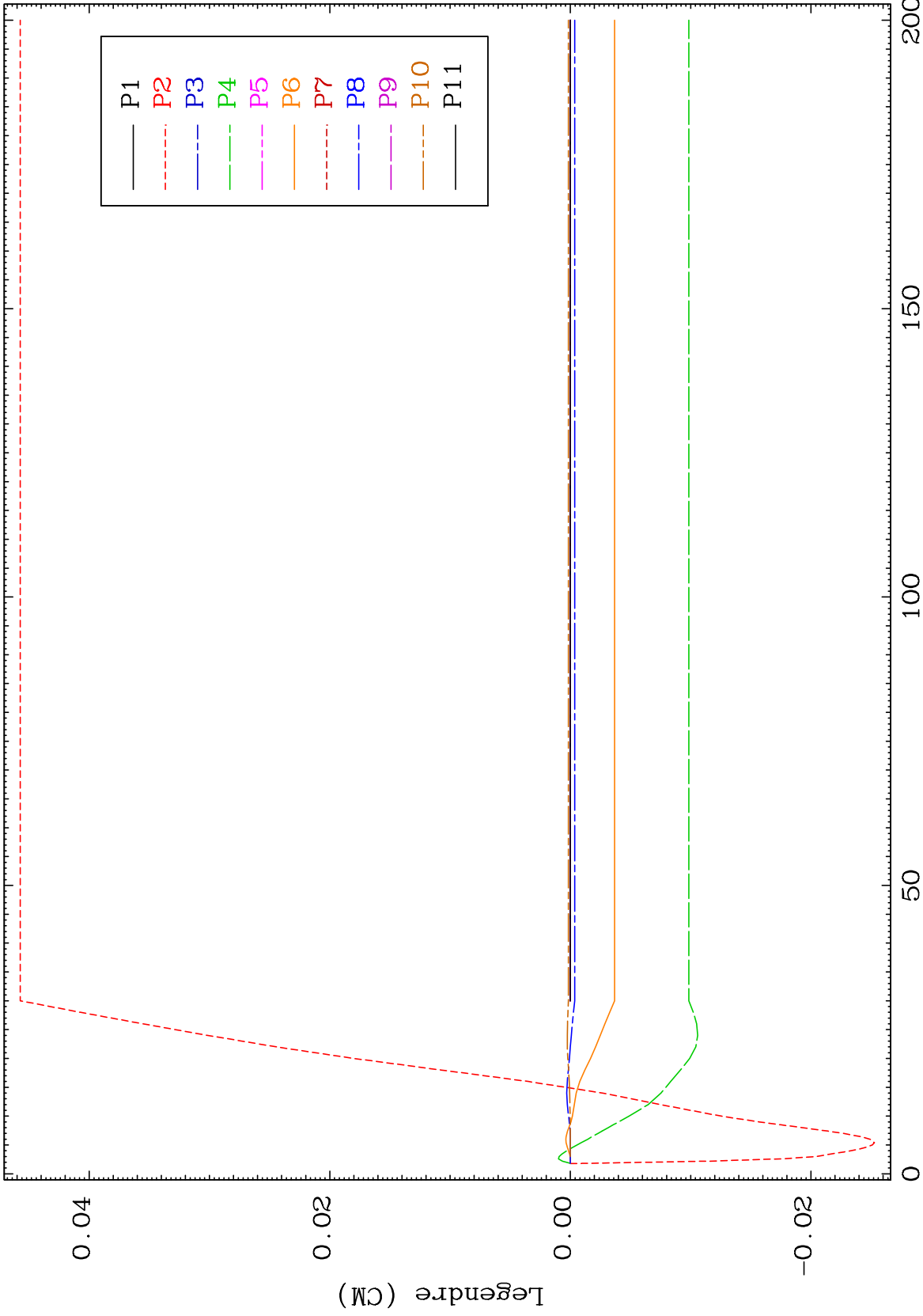
Incident Energy (MeV)

28-Ni-59

MAT 2828

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

28-Ni-59



44

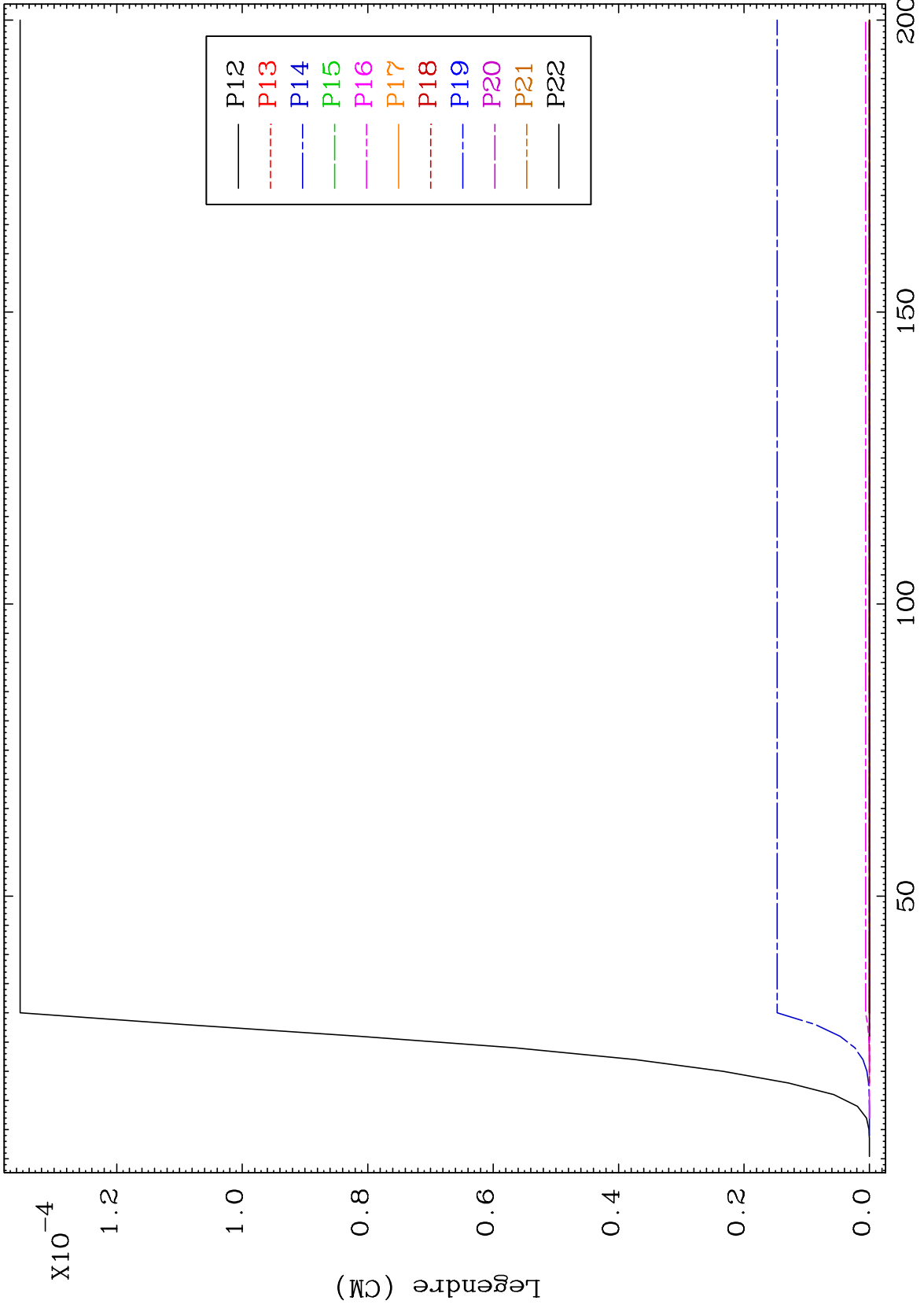
Incident Energy (MeV)

28-Ni-59

MAT 2828

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

28-Ni-59

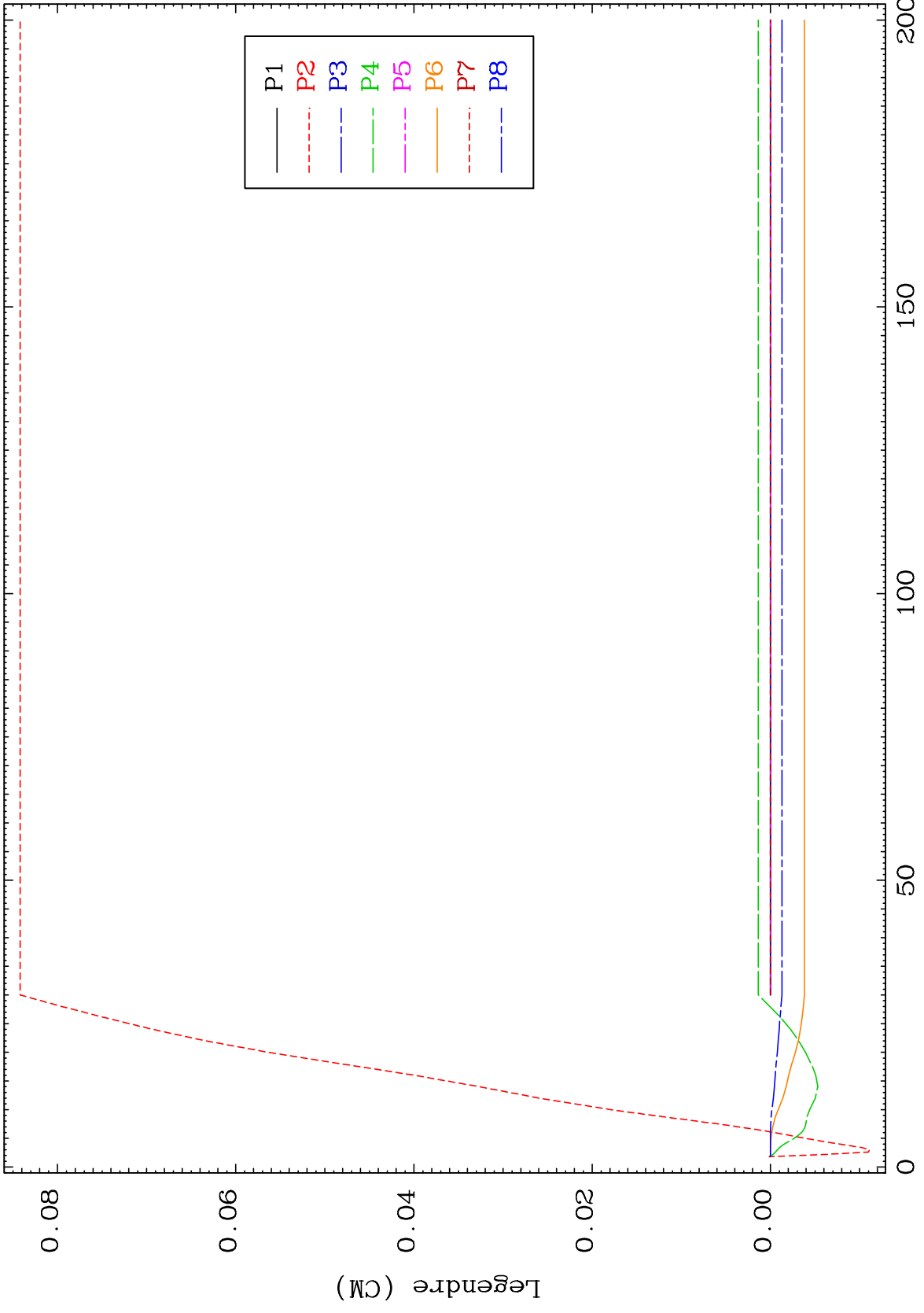


45

Incident Energy (MeV)

28-Ni-59

MAT 2828 MT= 61 (n,n') Level Legendre Coefficients 28-Ni-59

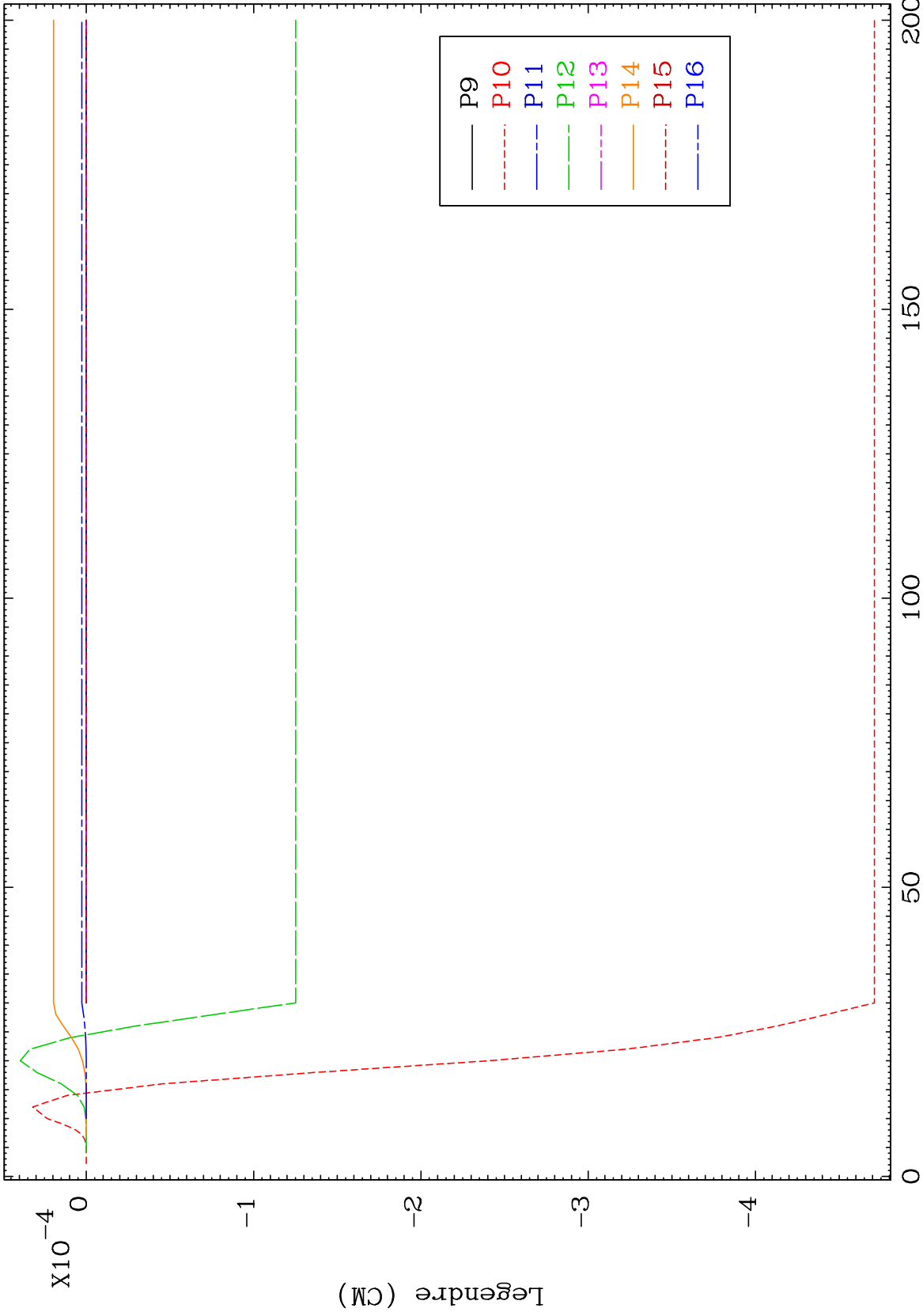


46 Incident Energy (MeV) 28-Ni-59

MAT 2828

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

28-Ni-59



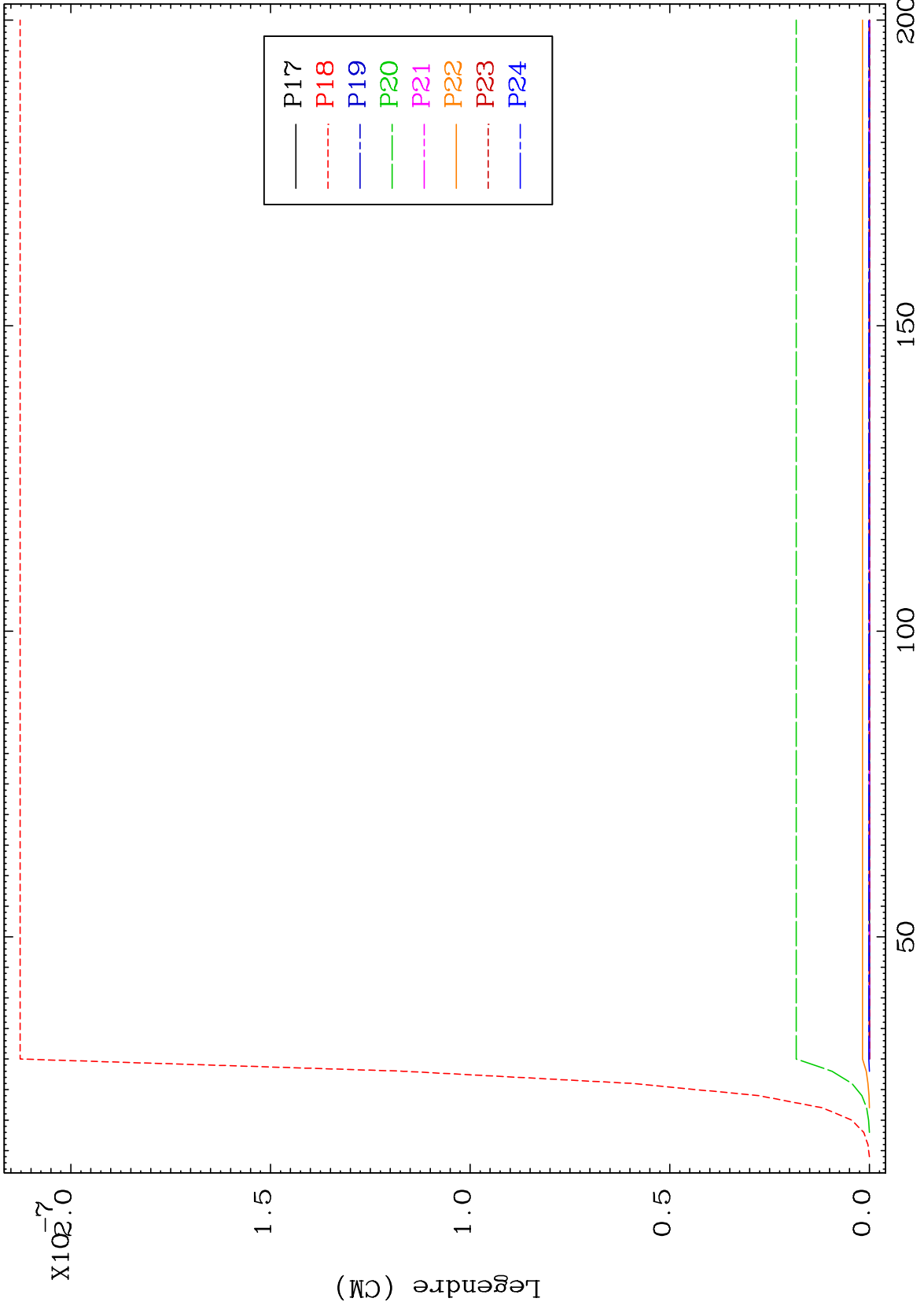
47

Incident Energy (MeV)

28-Ni-59



MAT 2828 MT= 61 (n,n') Level Legendre Coefficients 28-Ni-59

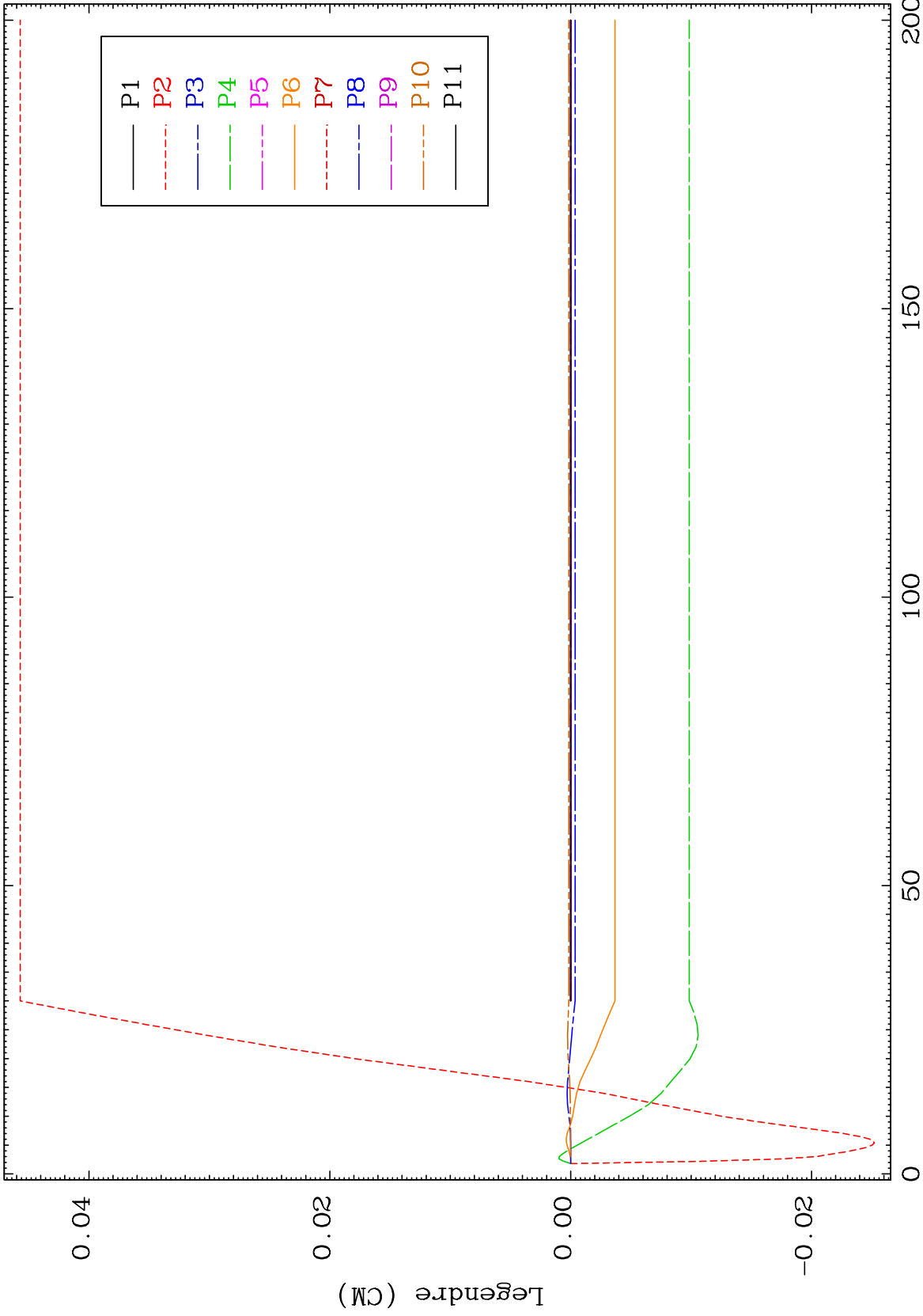


48 Incident Energy (MeV) 28-Ni-59

MAT 2828

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

28-Ni-59



49

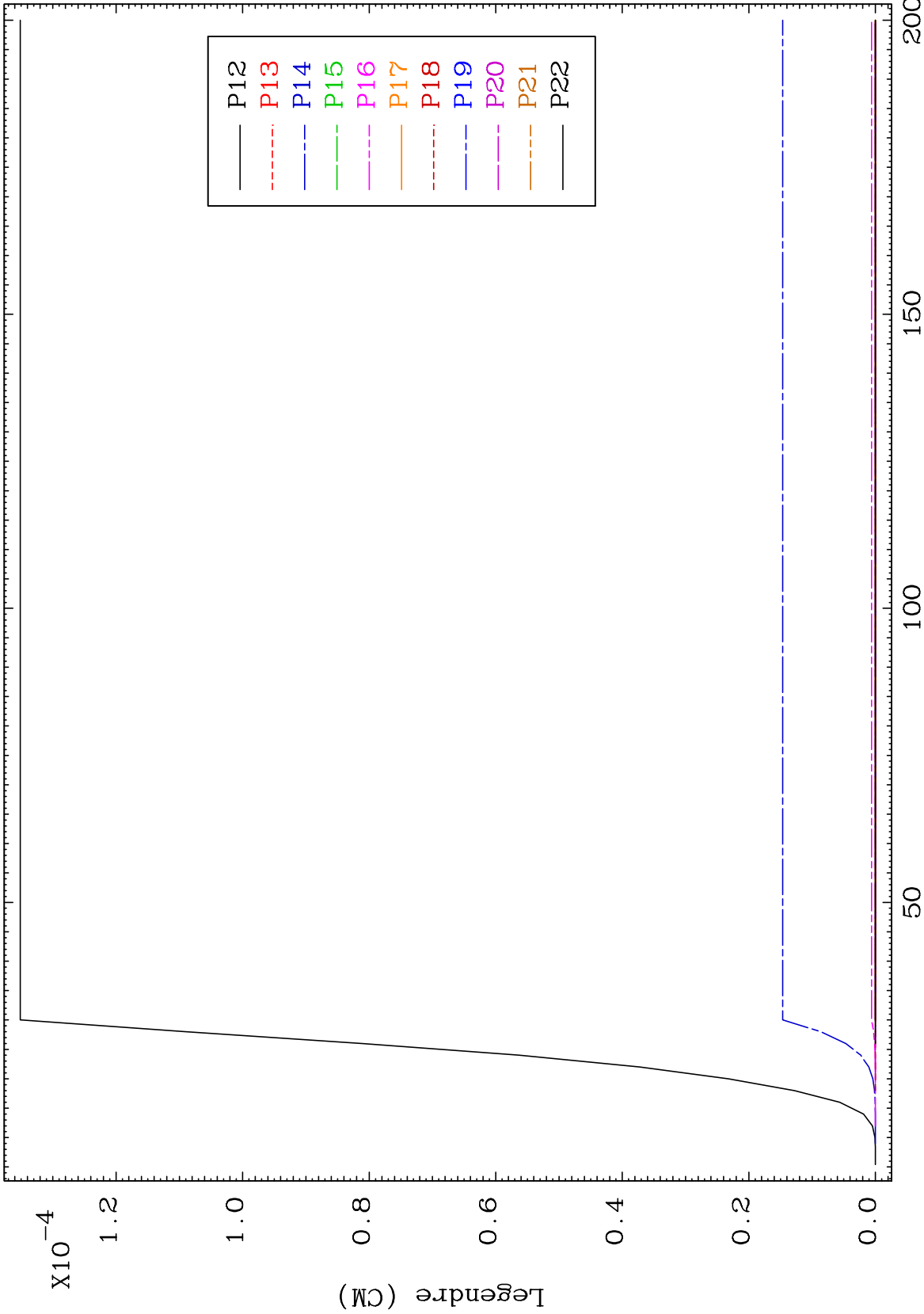
Incident Energy (MeV)

28-Ni-59

MAT 2828

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

28-Ni-59

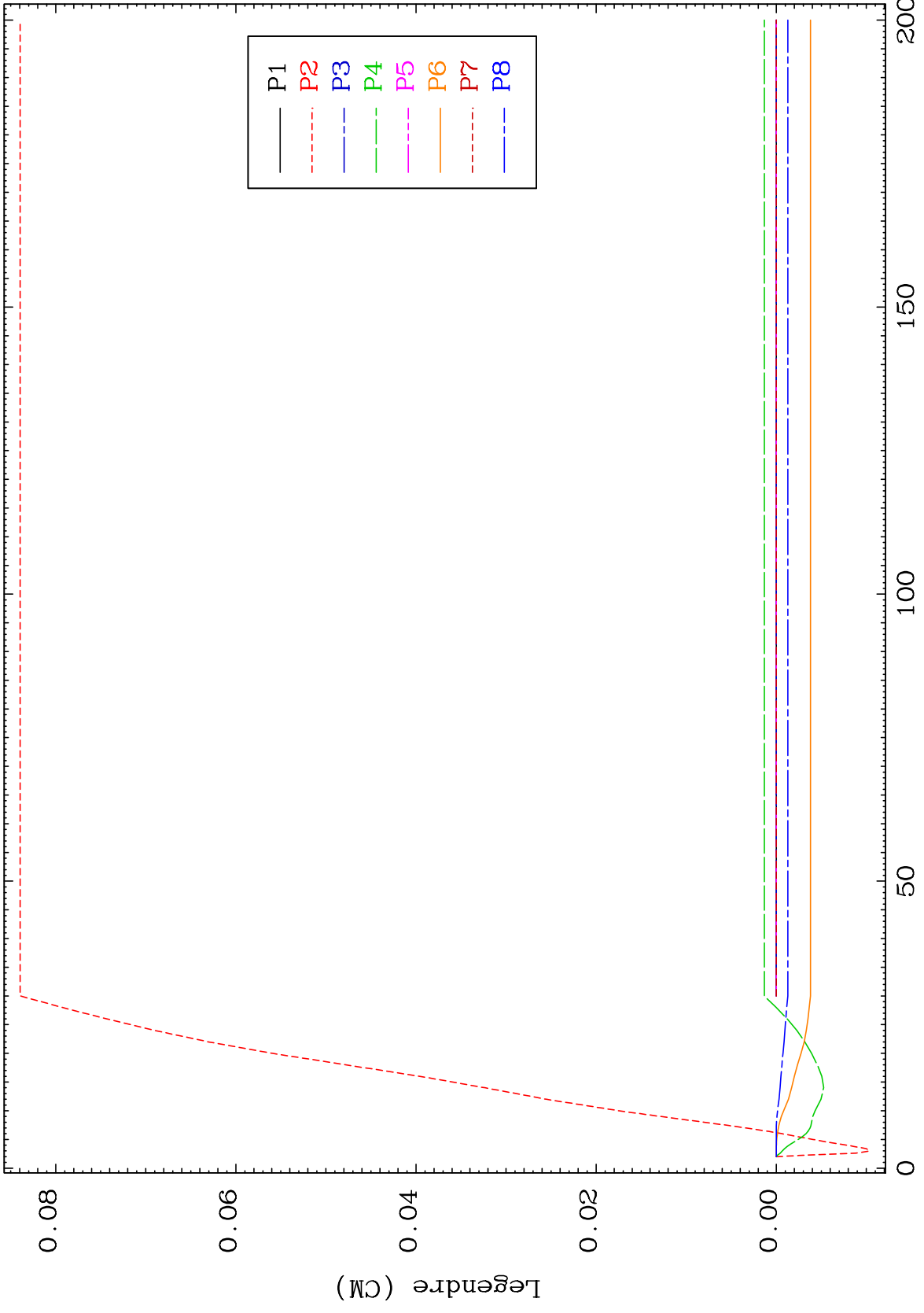


50

Incident Energy (MeV)

28-Ni-59

MAT 2828 MT= 63 (n,n') Level Legendre Coefficients 28-Ni-59

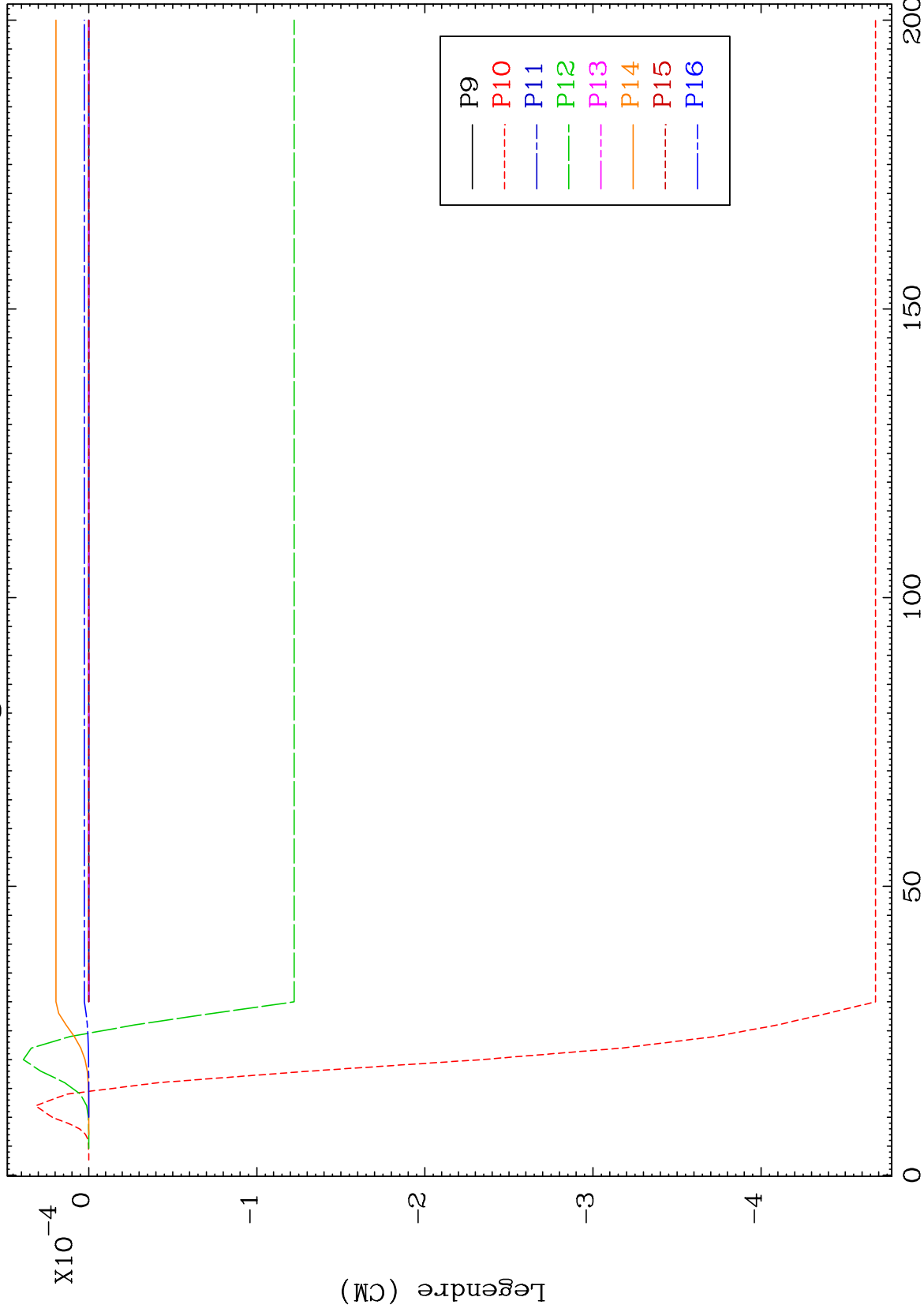


51 28-Ni-59

MAT 2828

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

28-Ni-59



52

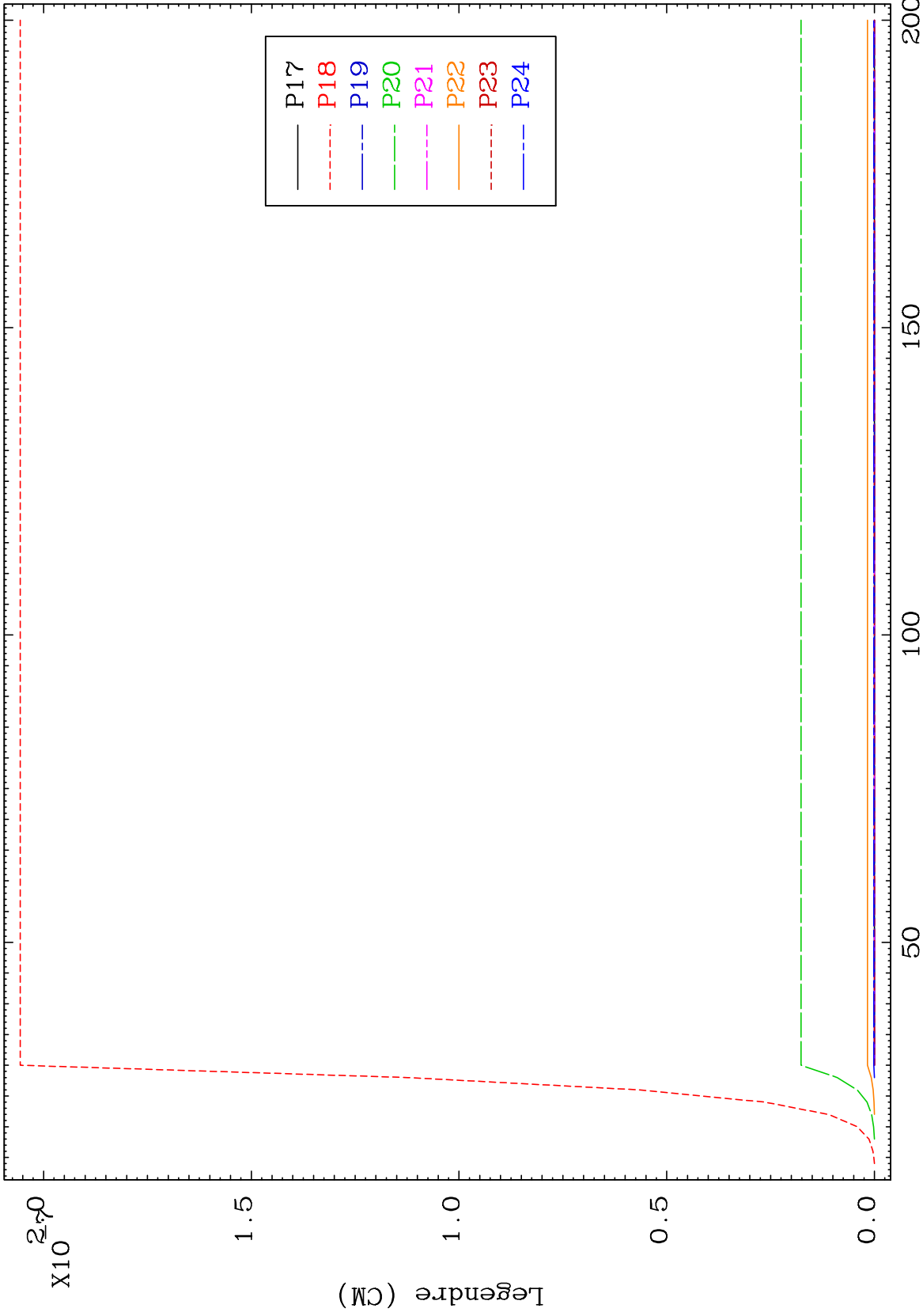
Incident Energy (MeV)

28-Ni-59

MAT 2828

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

28-Ni-59

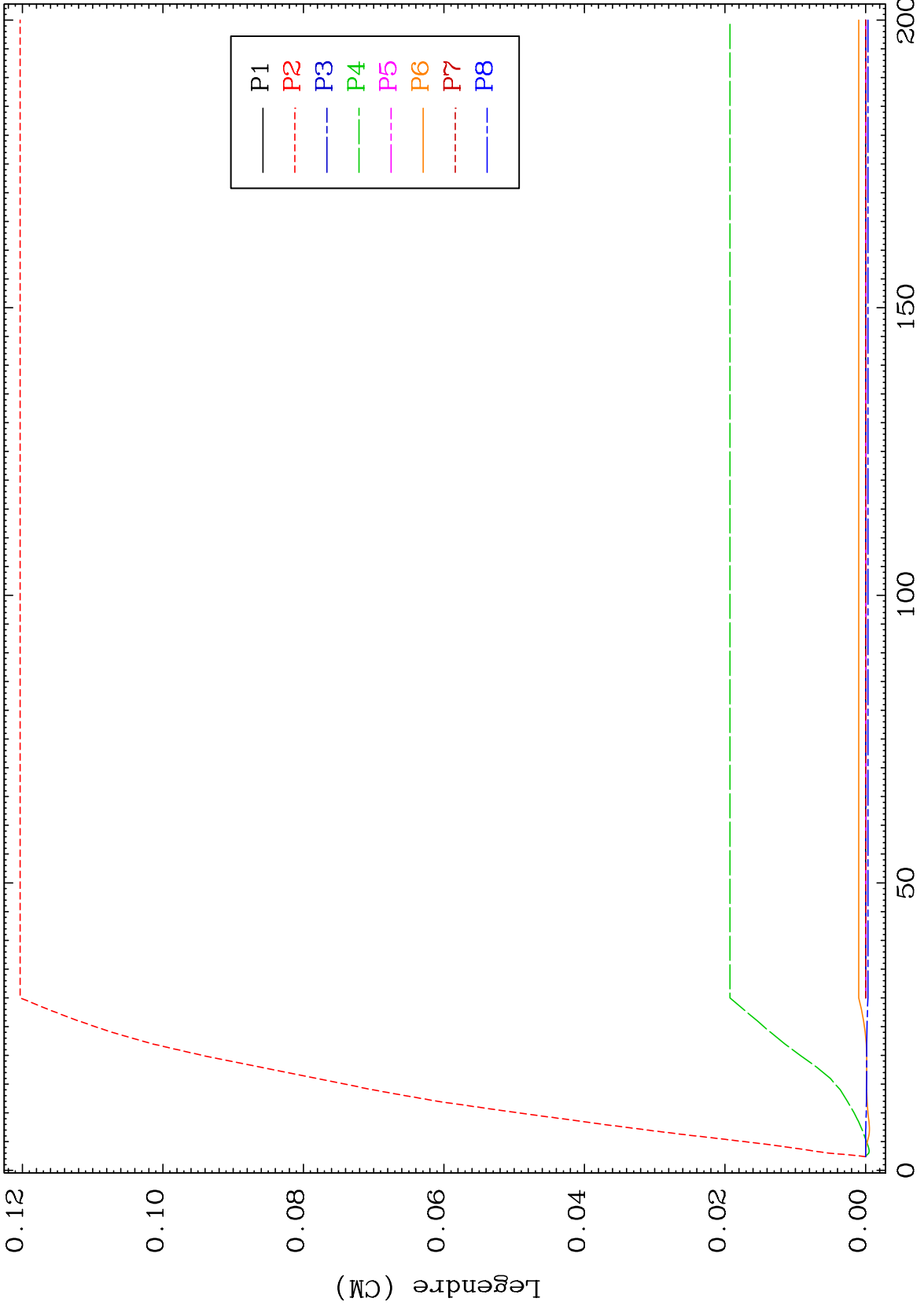


53

Incident Energy (MeV)

28-Ni-59

MAT 2828 MT= 64 (n,n') Level Legendre Coefficients 28-Ni-59

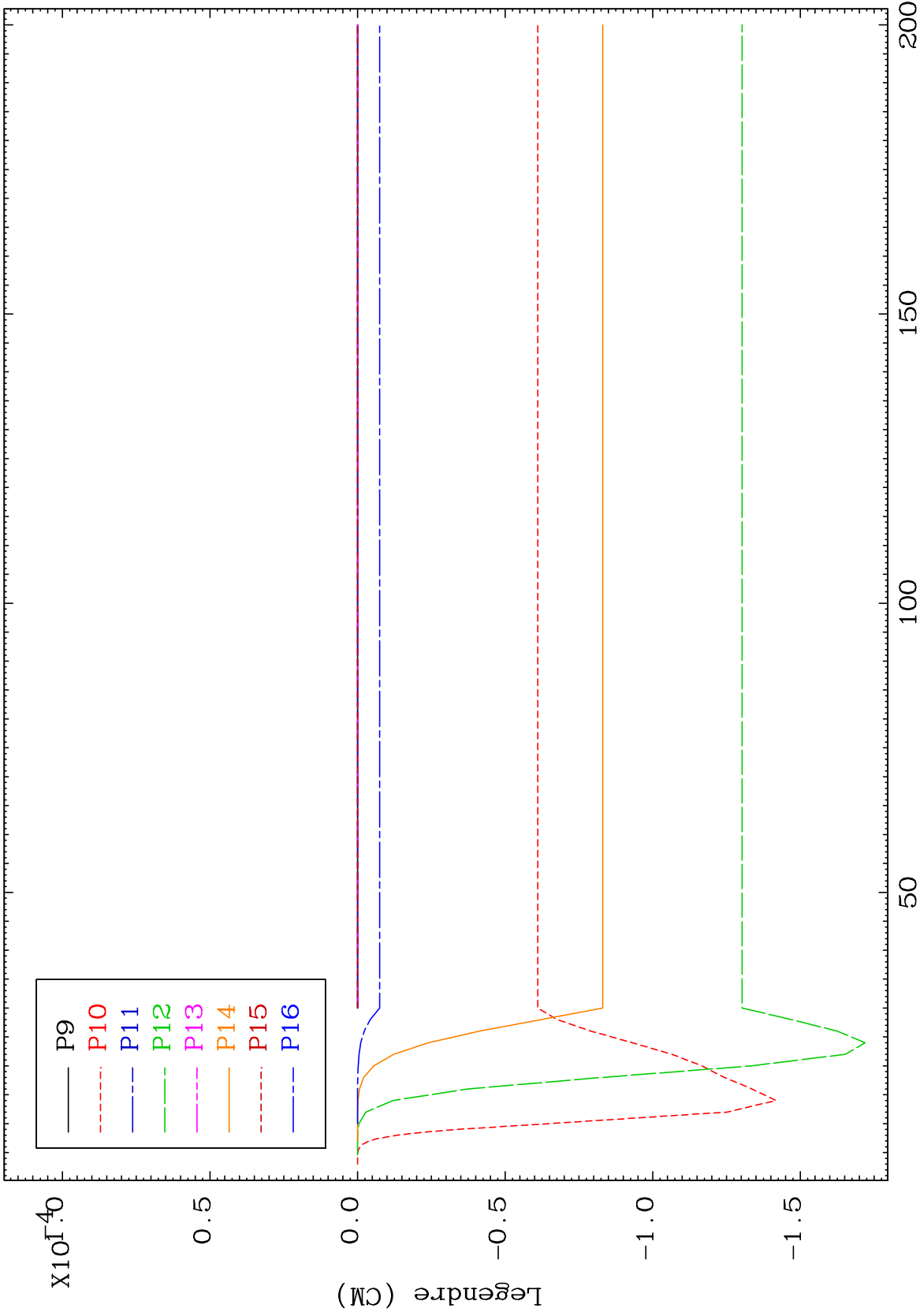


54 Incident Energy (MeV) 28-Ni-59

MAT 2828

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

28-Ni-59



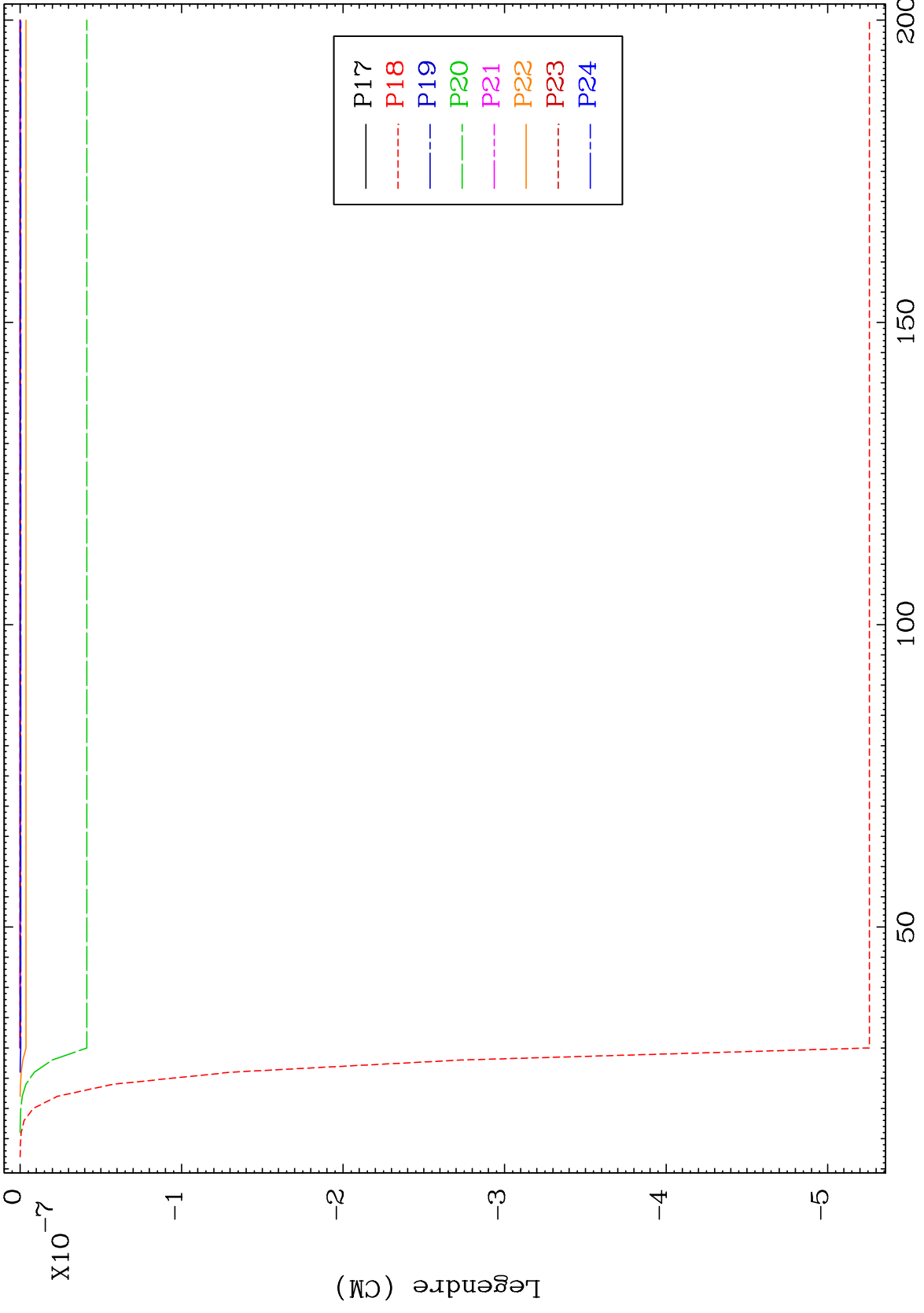
55

Incident Energy (MeV)

28-Ni-59

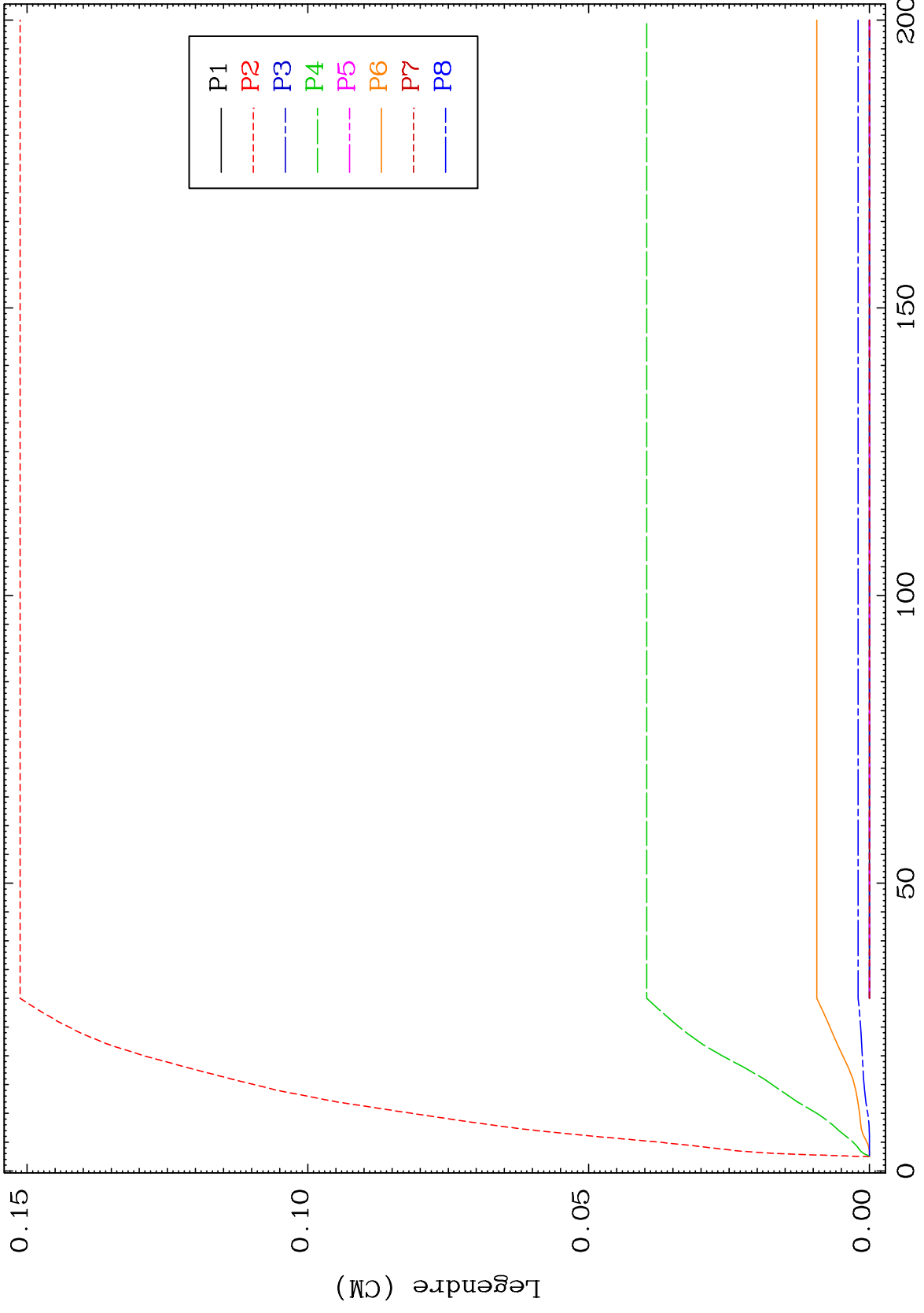


MAT 2828 MT= 64 (n,n') Level Legendre Coefficients 28-Ni-59



56 Incident Energy (MeV) 200 28-Ni-59

MAT 2828 MT= 65 (n,n') Level Legendre Coefficients 28-Ni-59

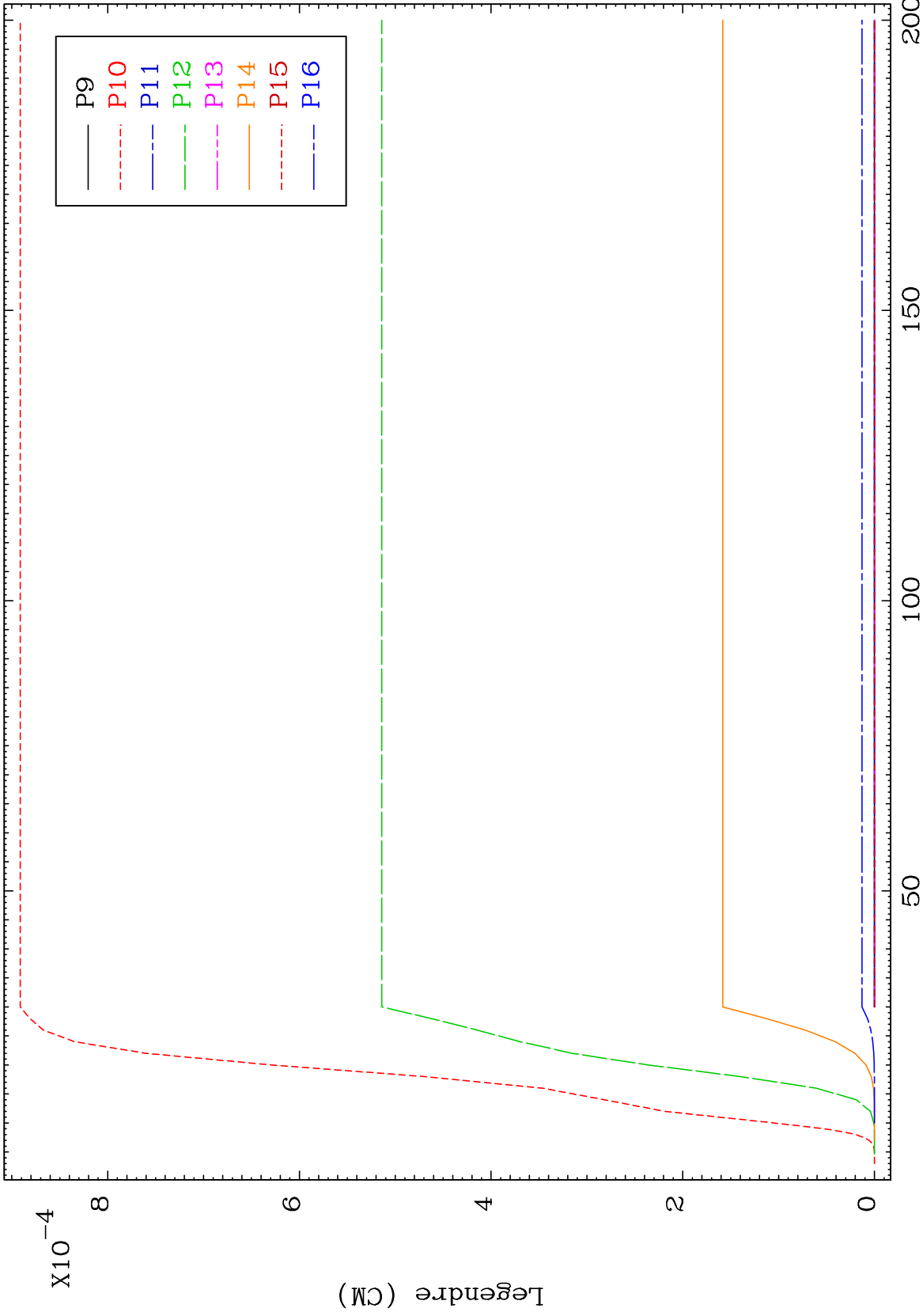


57 Incident Energy (MeV) 28-Ni-59

MAT 2828

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

28-Ni-59

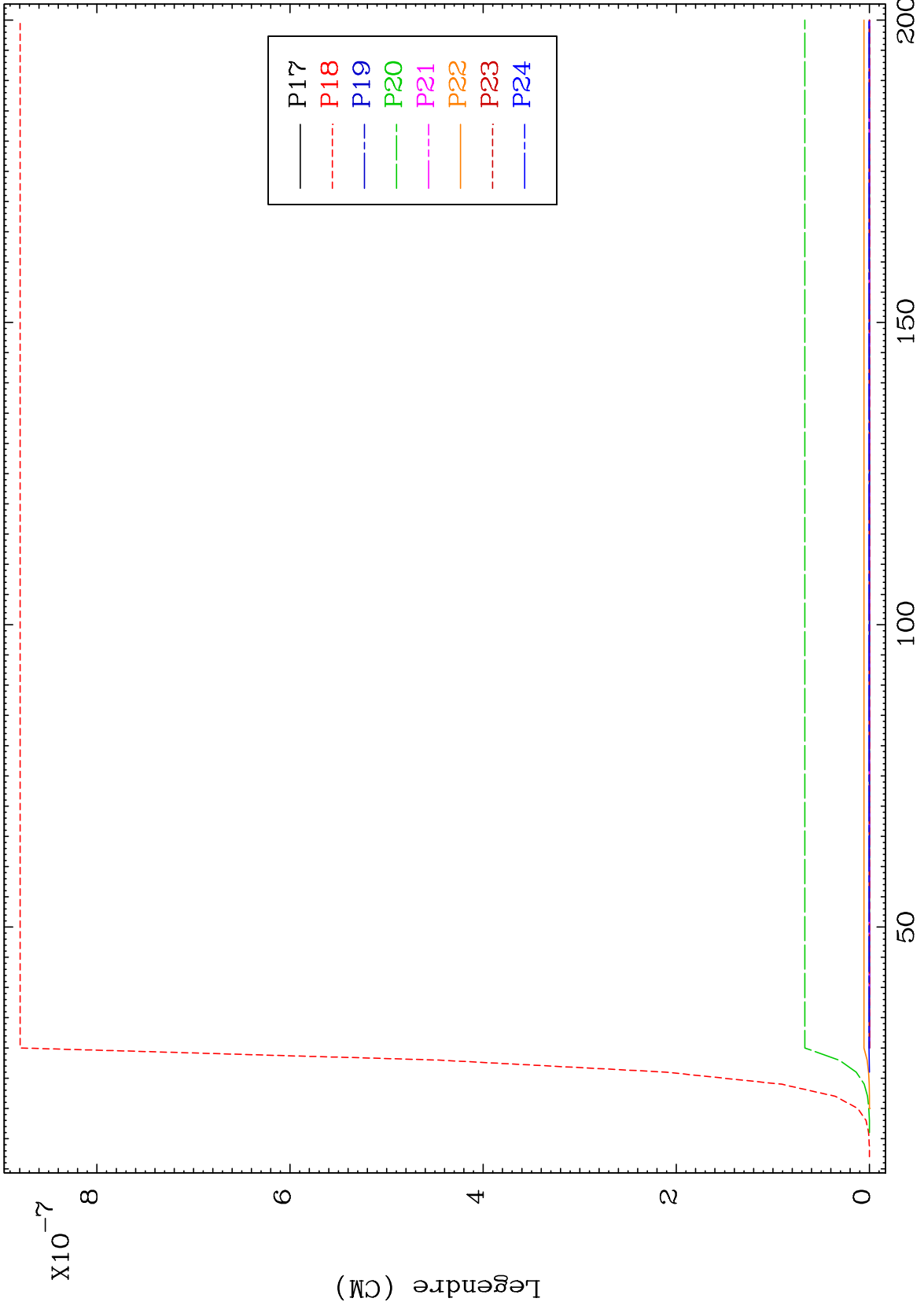


58

Incident Energy (MeV)

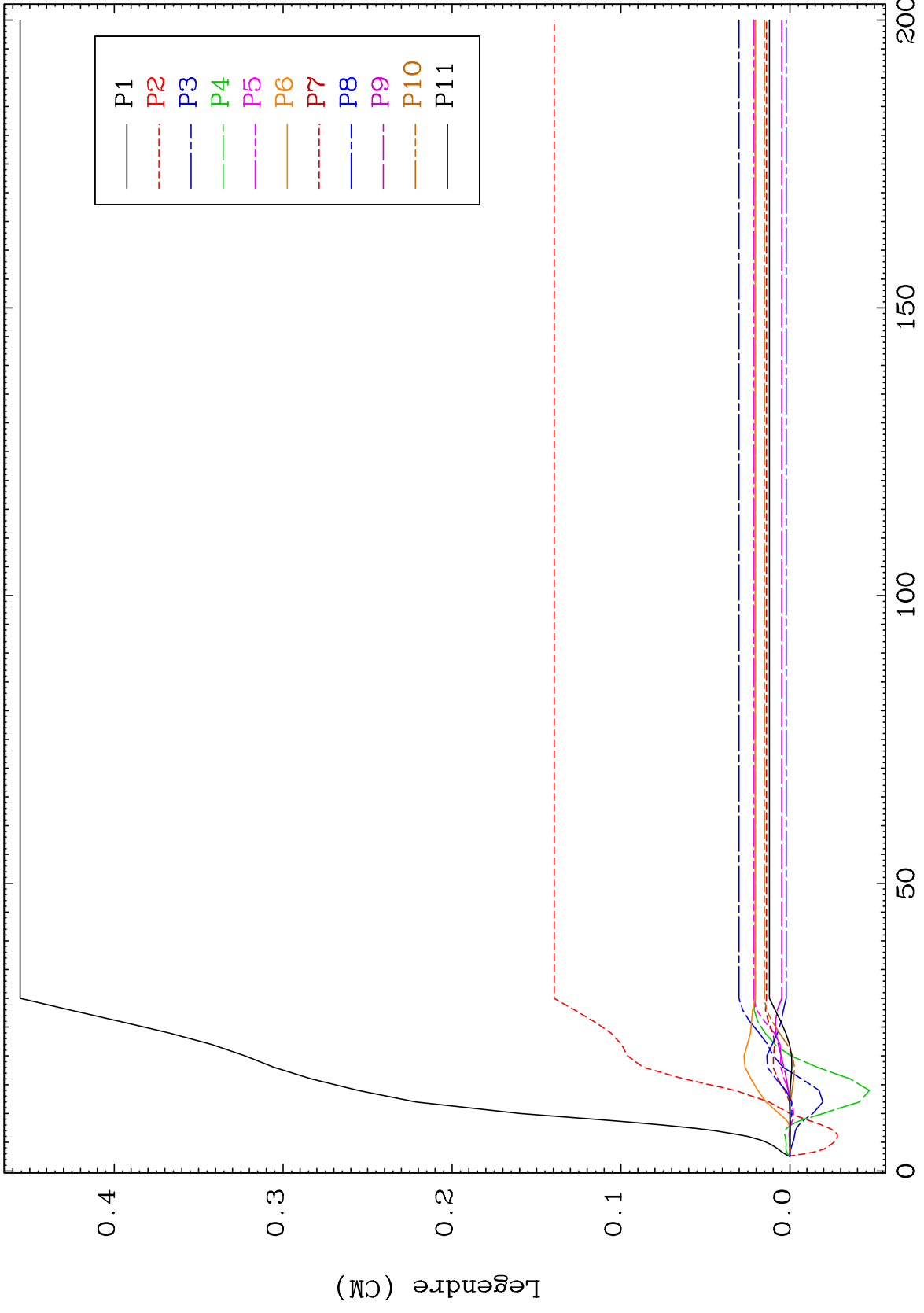
28-Ni-59

MAT 2828 MT= 65 (n,n') Level Legendre Coefficients 28-Ni-59



59 Incident Energy (MeV) 28-Ni-59

MAT 2828 MT= 66 (n,n') Level Legendre Coefficients 28-Ni-59

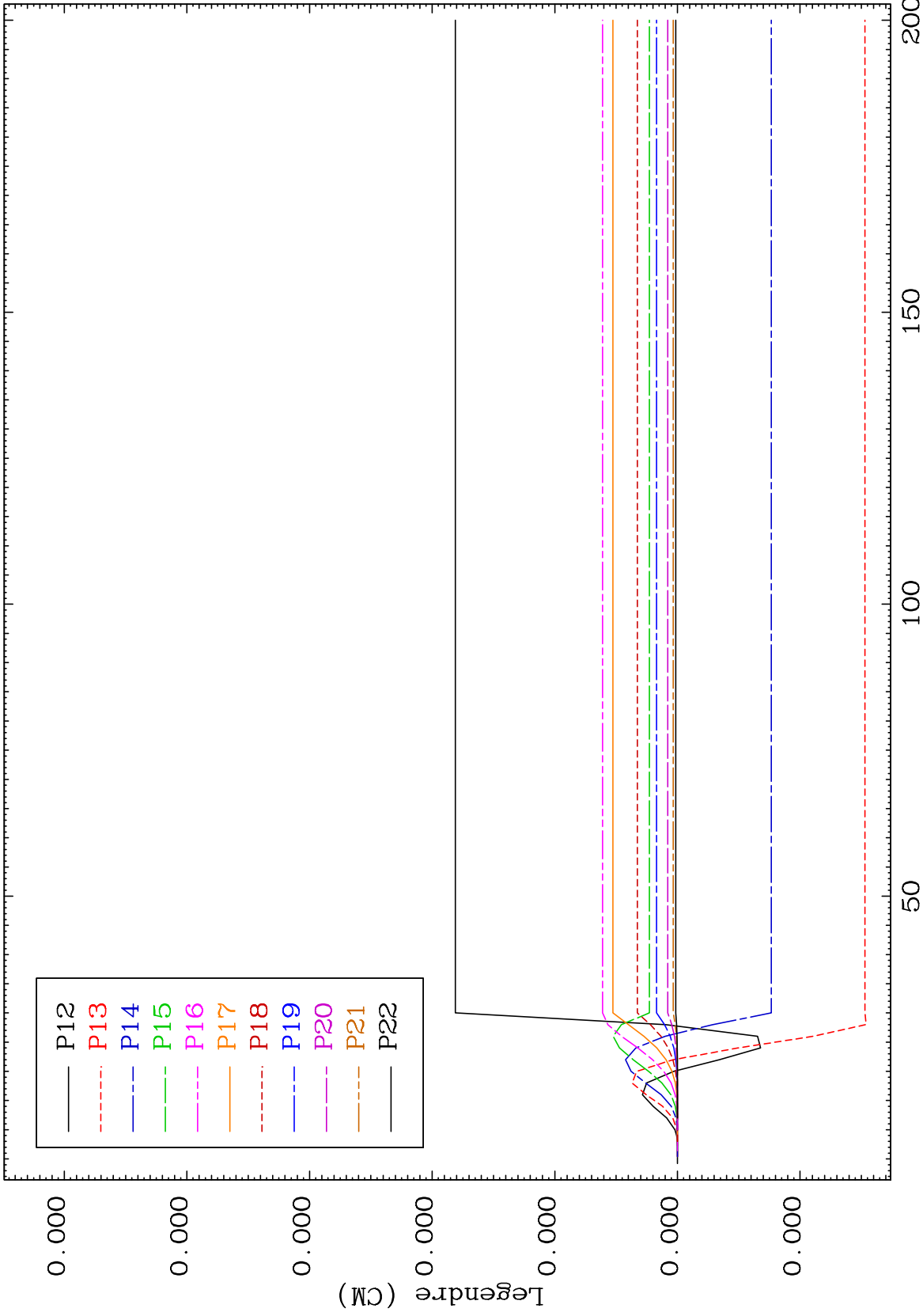


28-Ni-59

MAT 2828

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

28-Ni-59



61

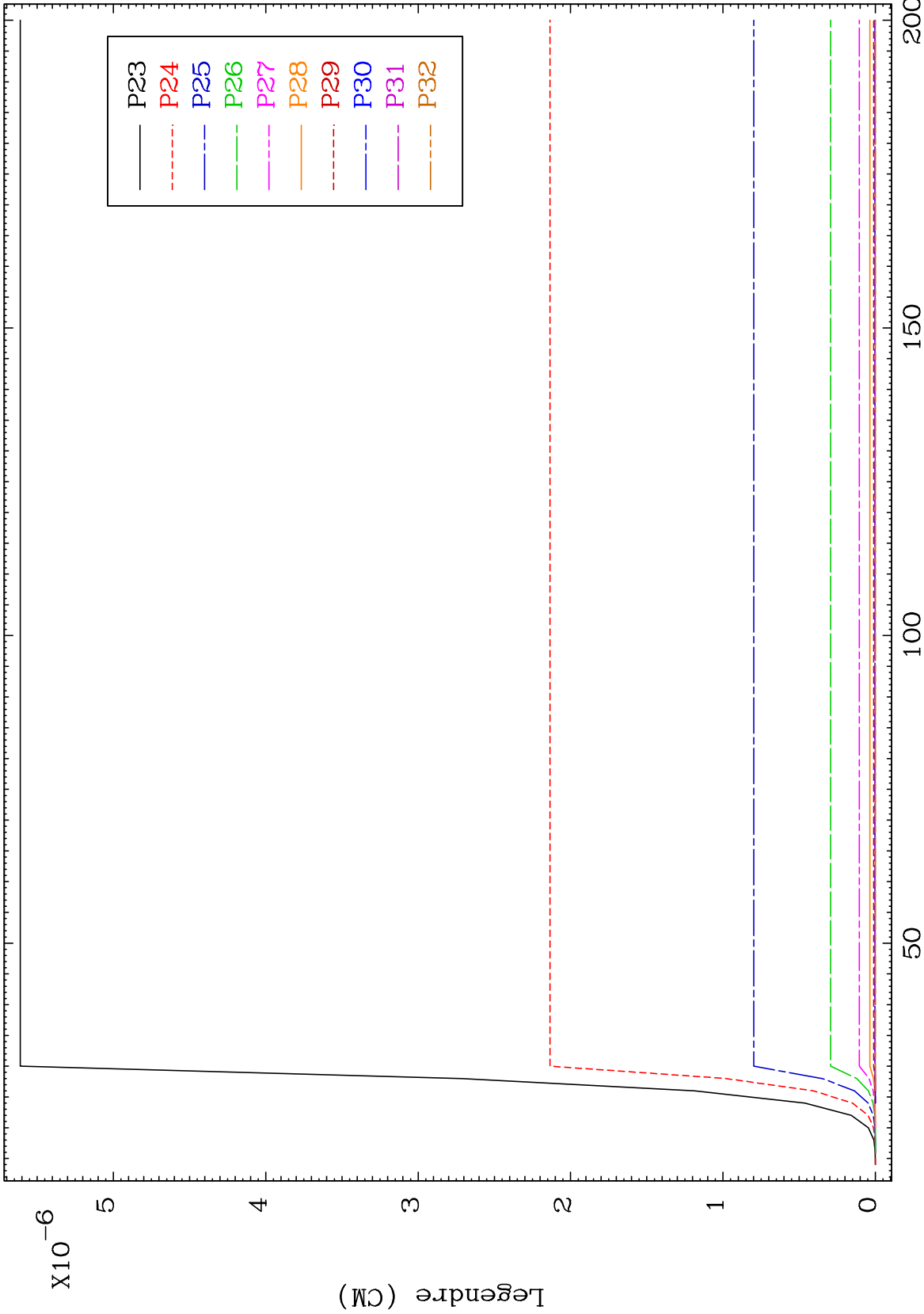
Incident Energy (MeV)

28-Ni-59

MAT 2828

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

28-Ni-59

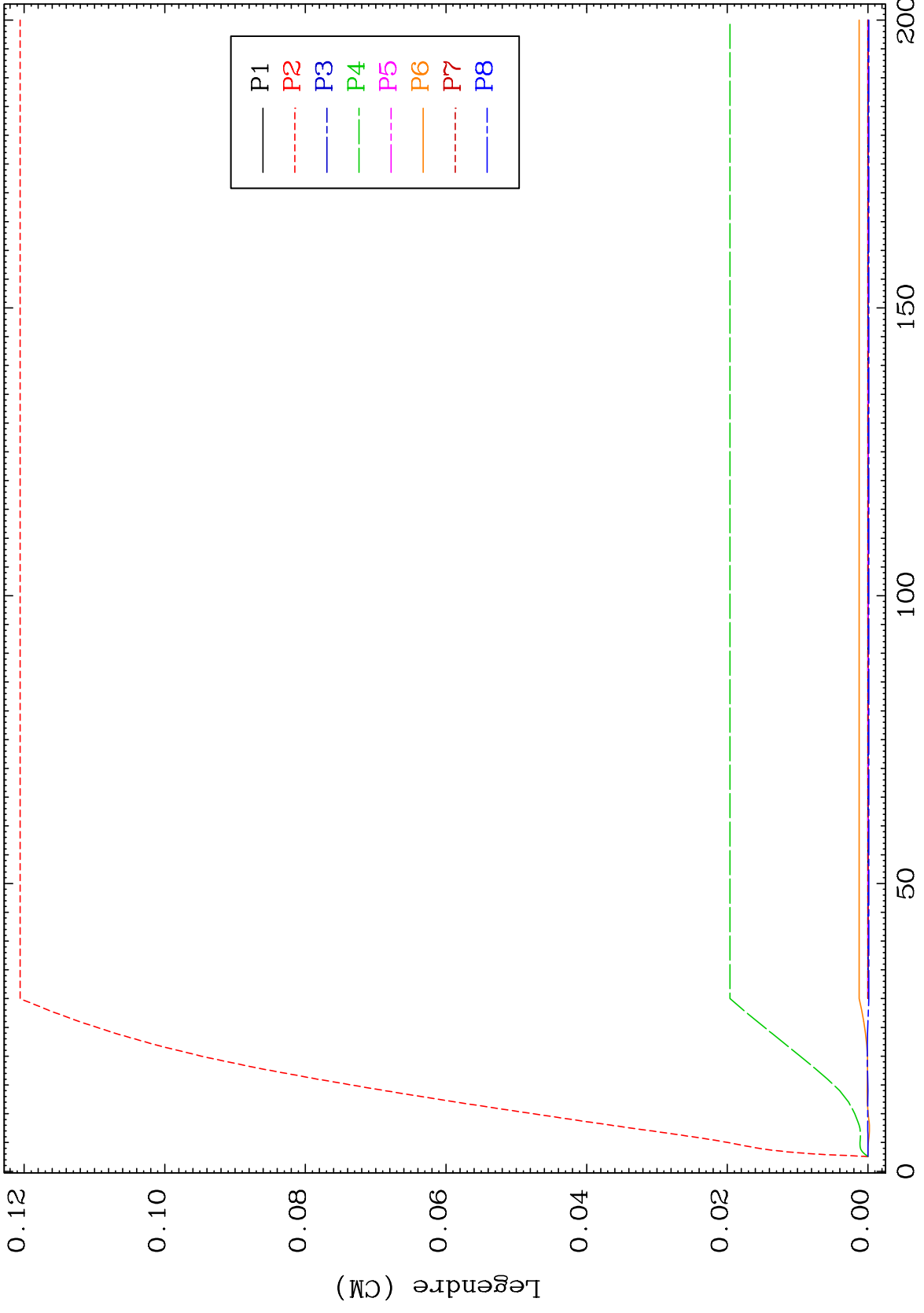


62

Incident Energy (MeV)

28-Ni-59

MAT 2828 MT= 67 (n,n') Level Legendre Coefficients 28-Ni-59



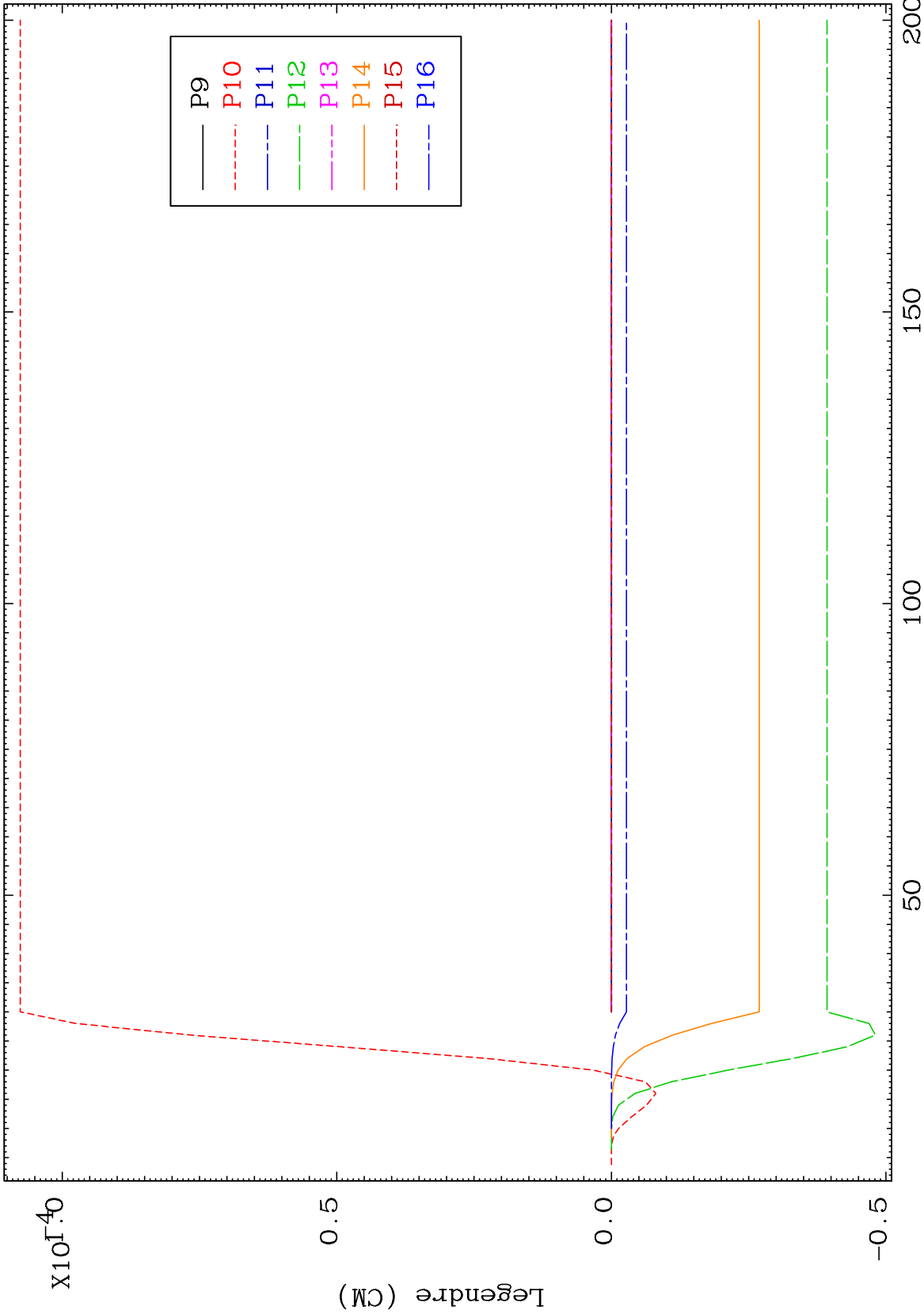
63 Incident Energy (MeV) 28-Ni-59



MAT 2828

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

28-Ni-59



64

Incident Energy (MeV)

28-Ni-59

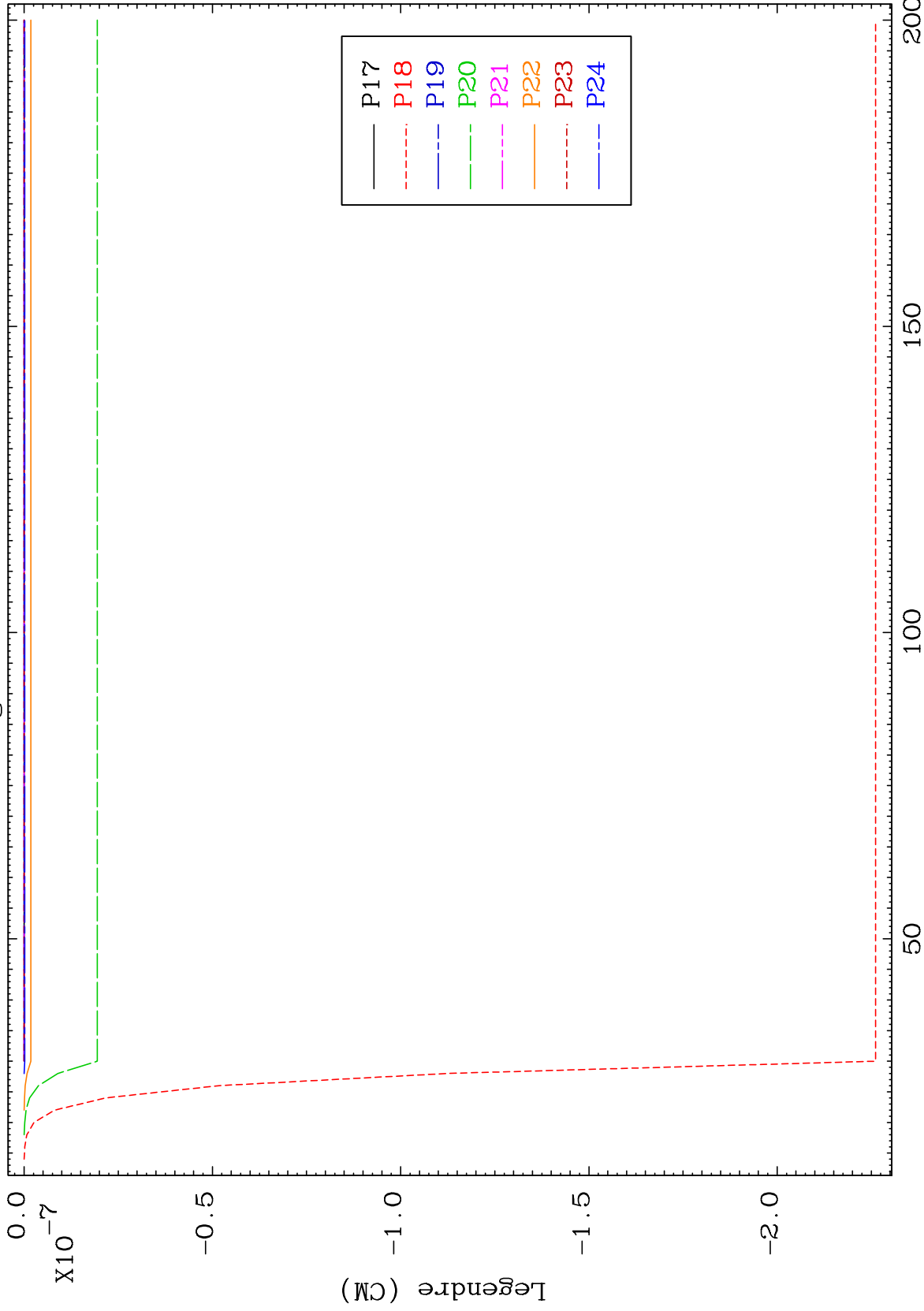
MAT 2828

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

28-Ni-59

Incident Energy (MeV)

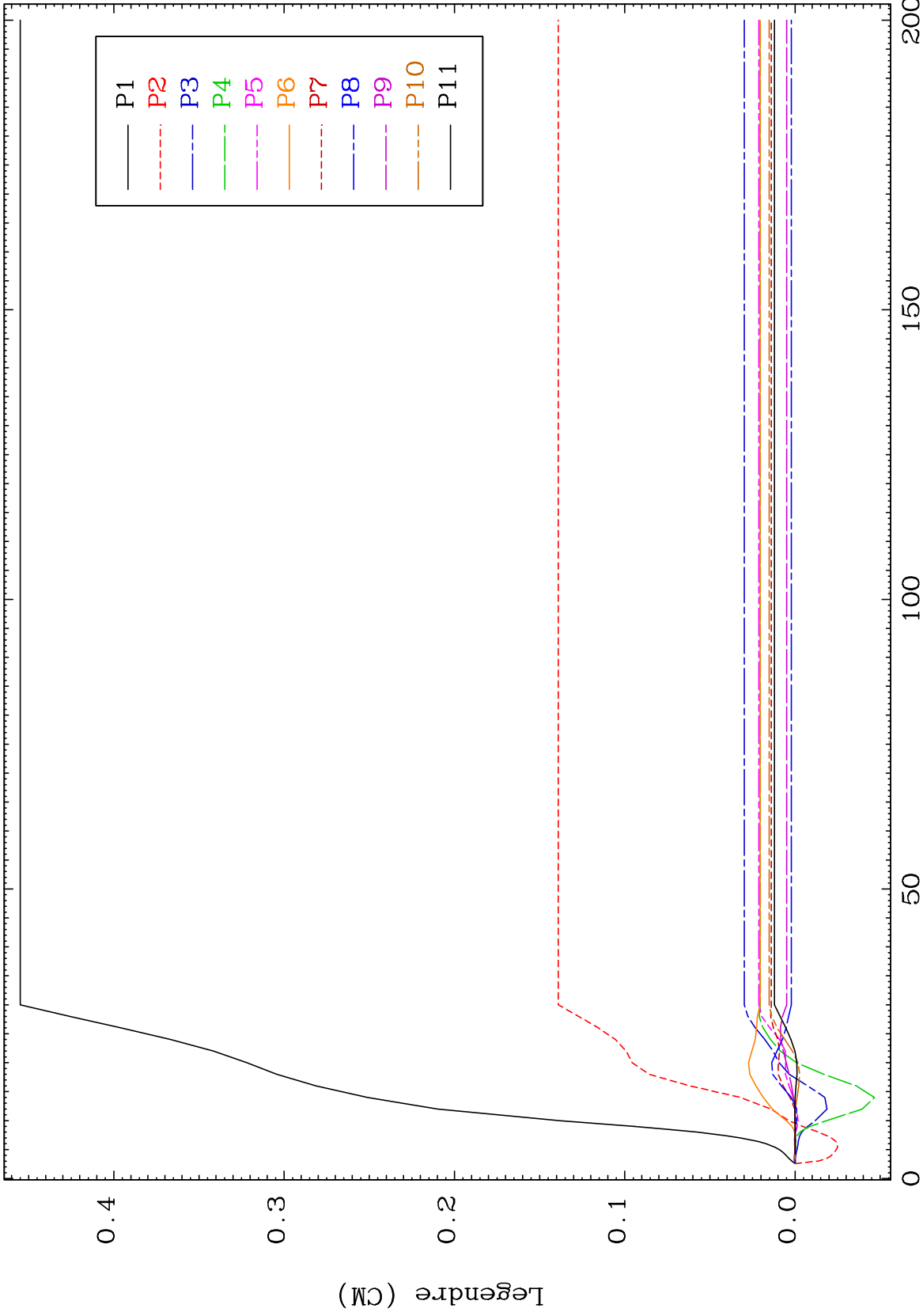
65



MAT 2828

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

28-Ni-59



66

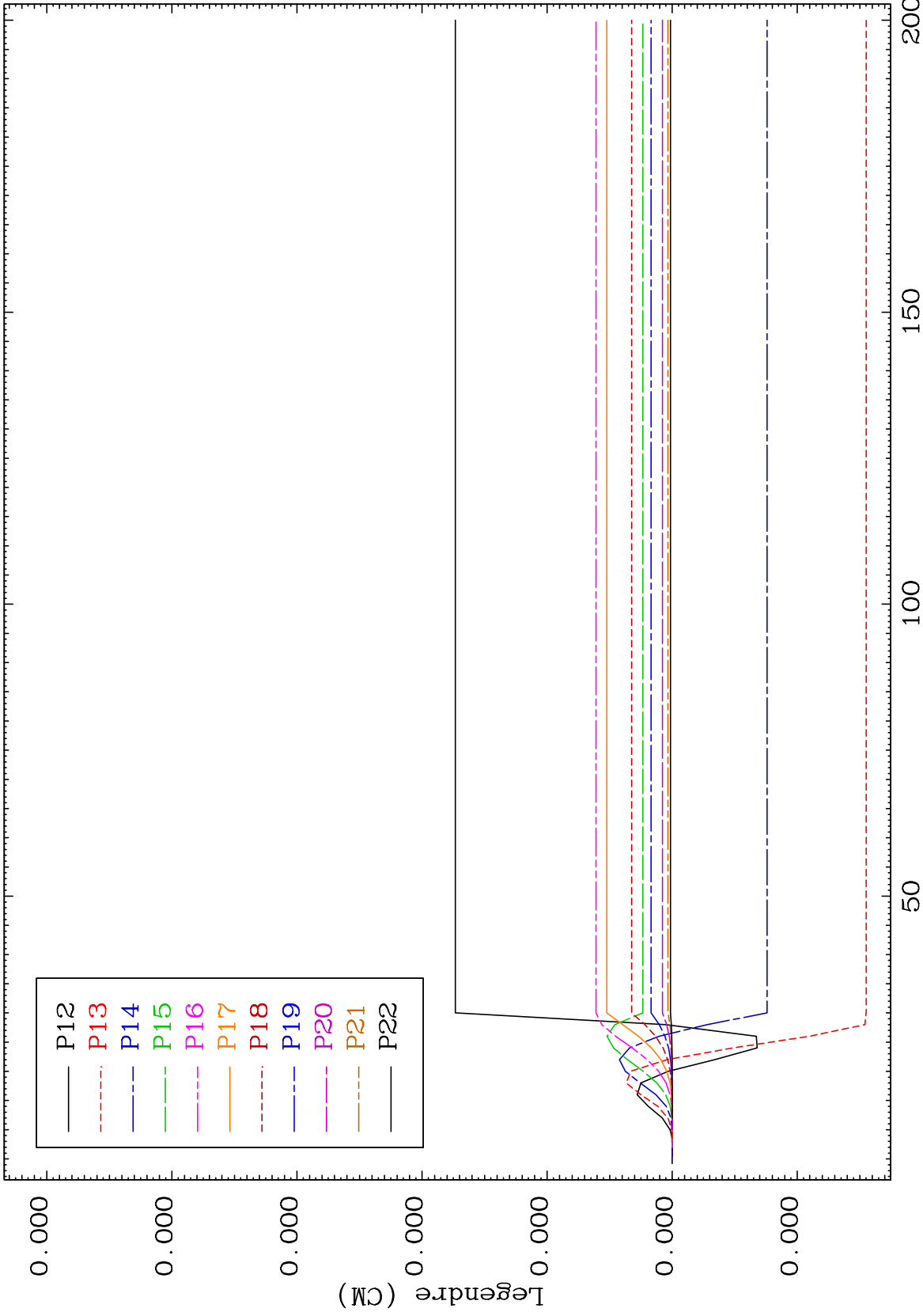
Incident Energy (MeV)

28-Ni-59

MAT 2828

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

28-Ni-59



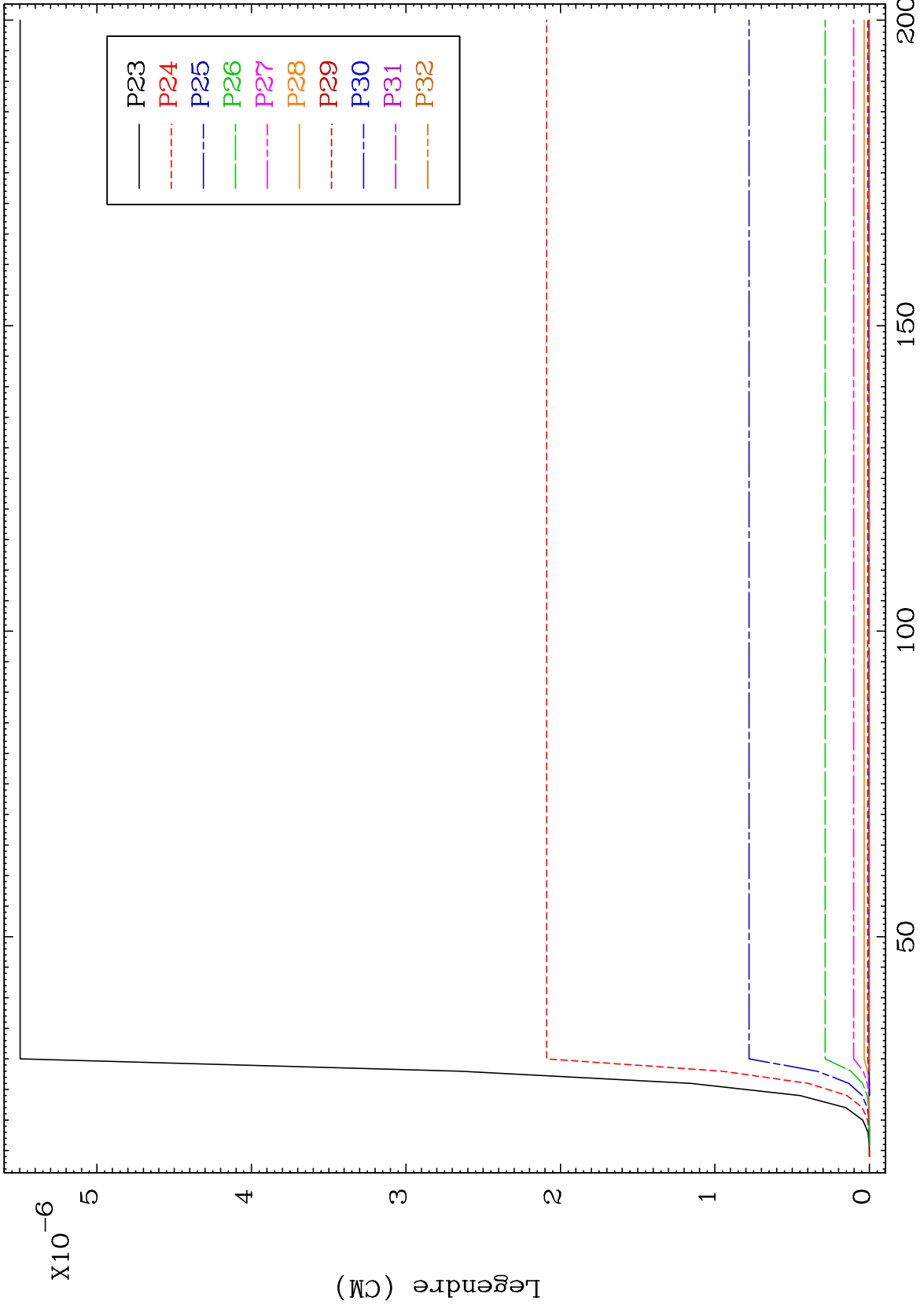
67

28-Ni-59

MAT 2828

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

28-Ni-59



68

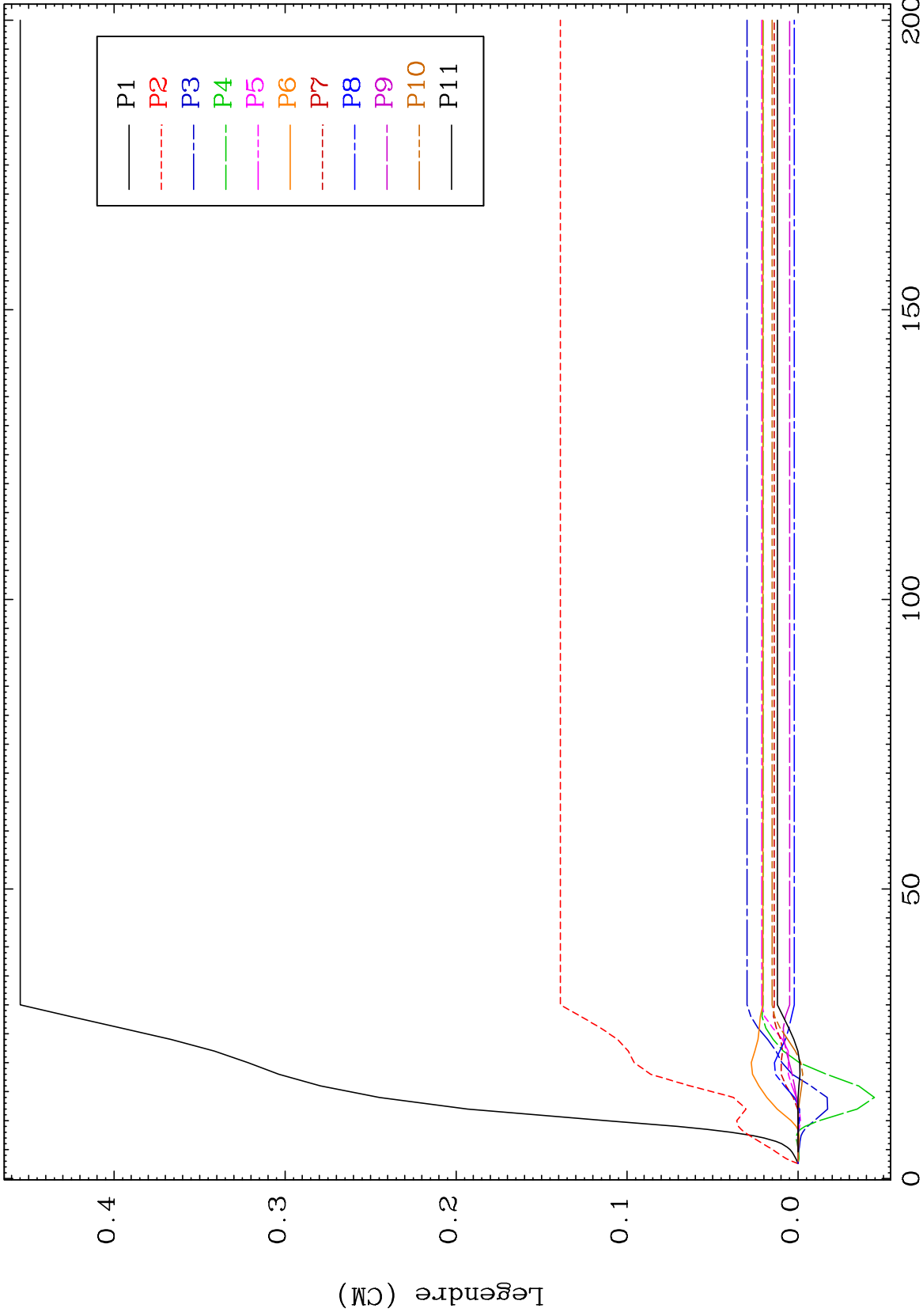
Incident Energy (MeV)

28-Ni-59

MAT 2828

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

28-Ni-59



69

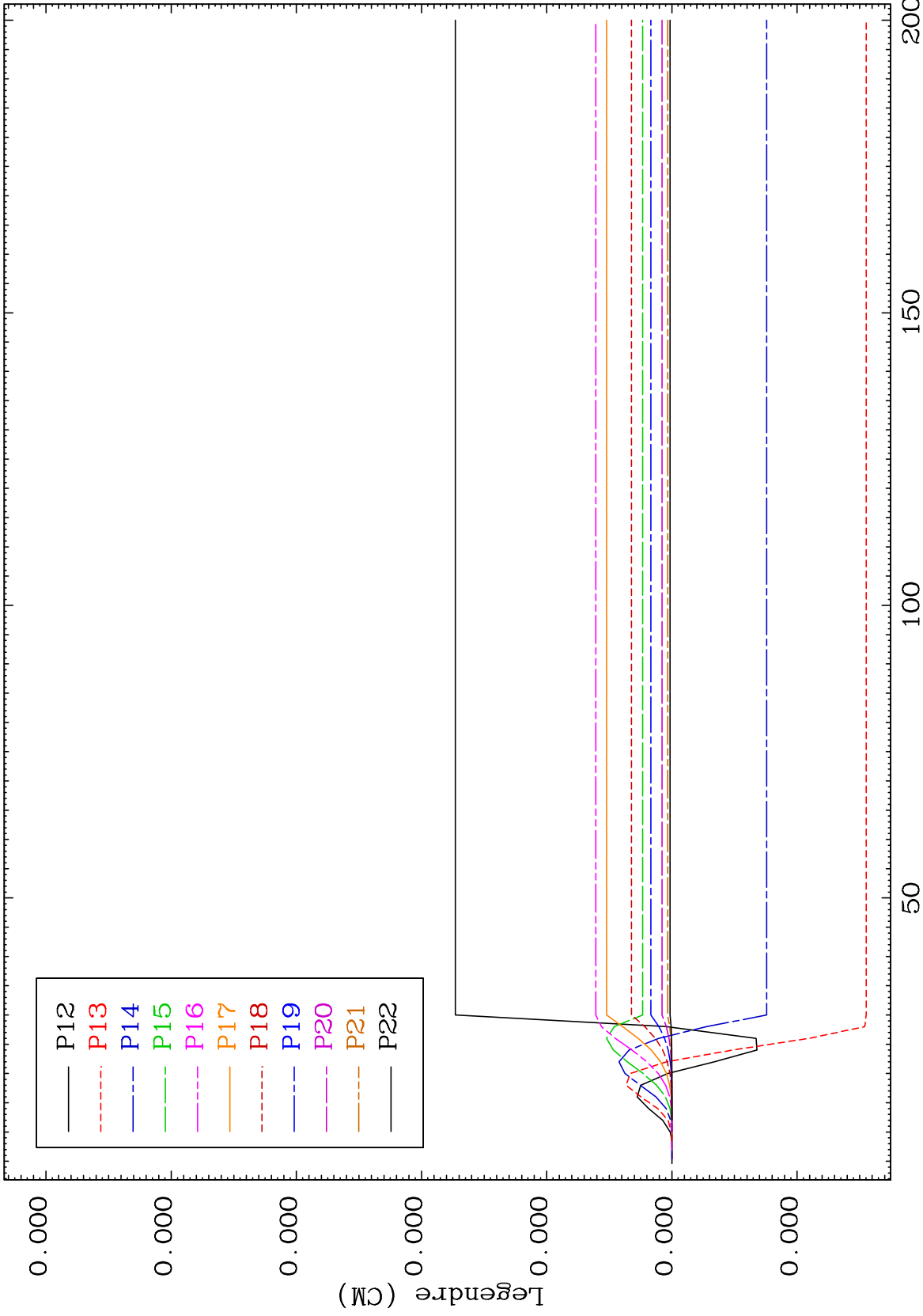
Incident Energy (MeV)

28-Ni-59

MAT 2828

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

28-Ni-59



70

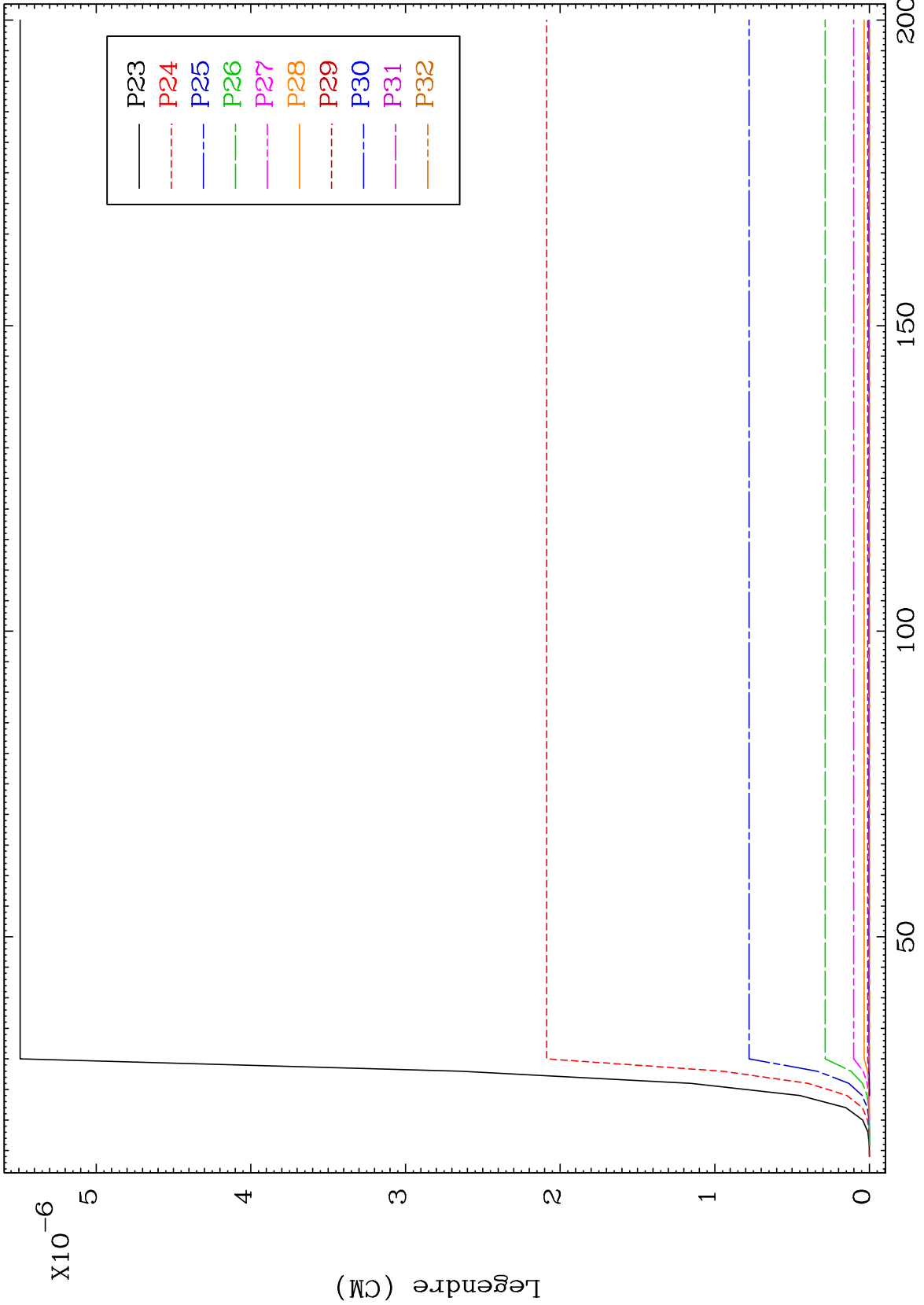
Incident Energy (MeV)

28-Ni-59

MAT 2828

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

28-Ni-59



71

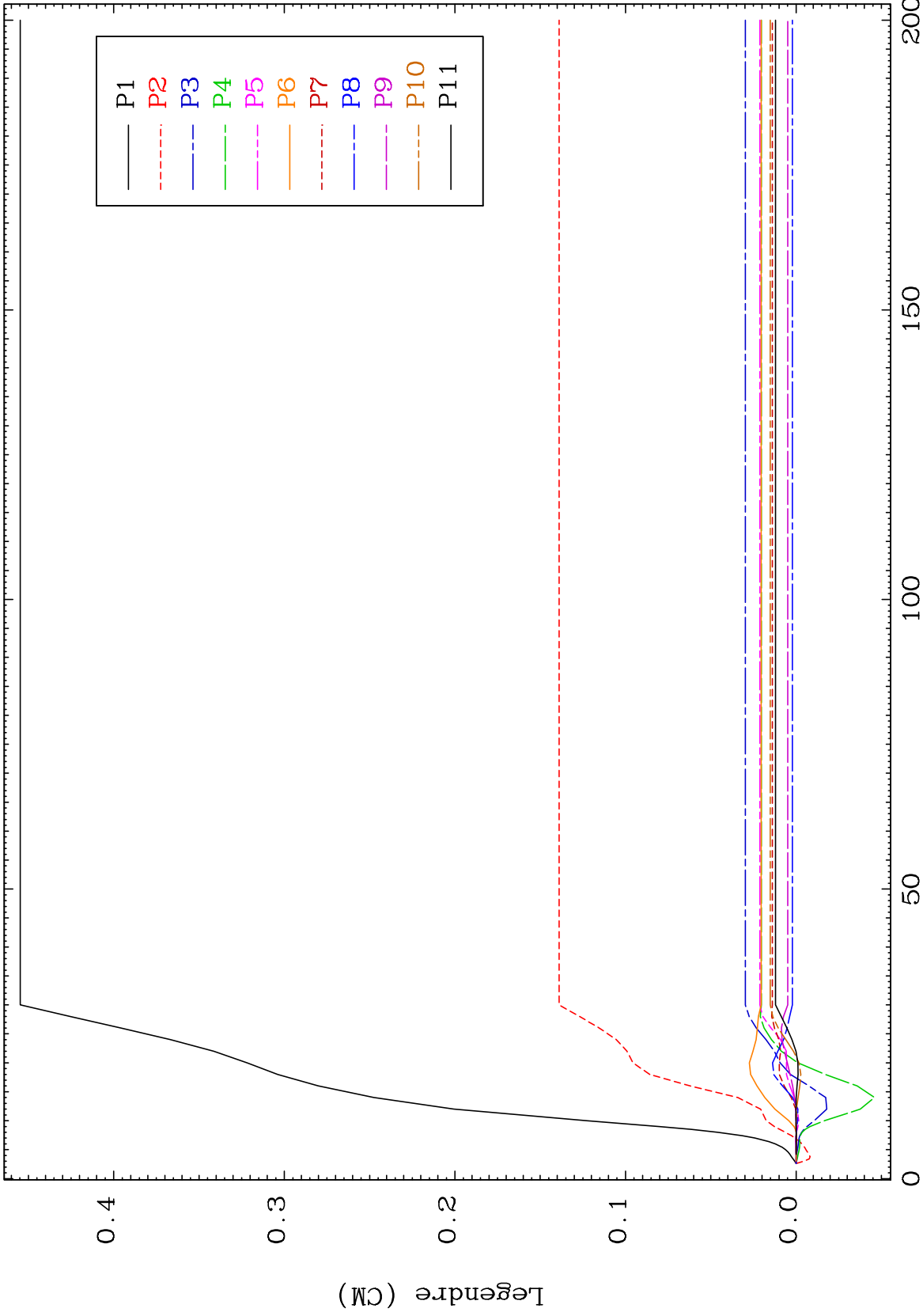
28-Ni-59



MAT 2828

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

28-Ni-59



72

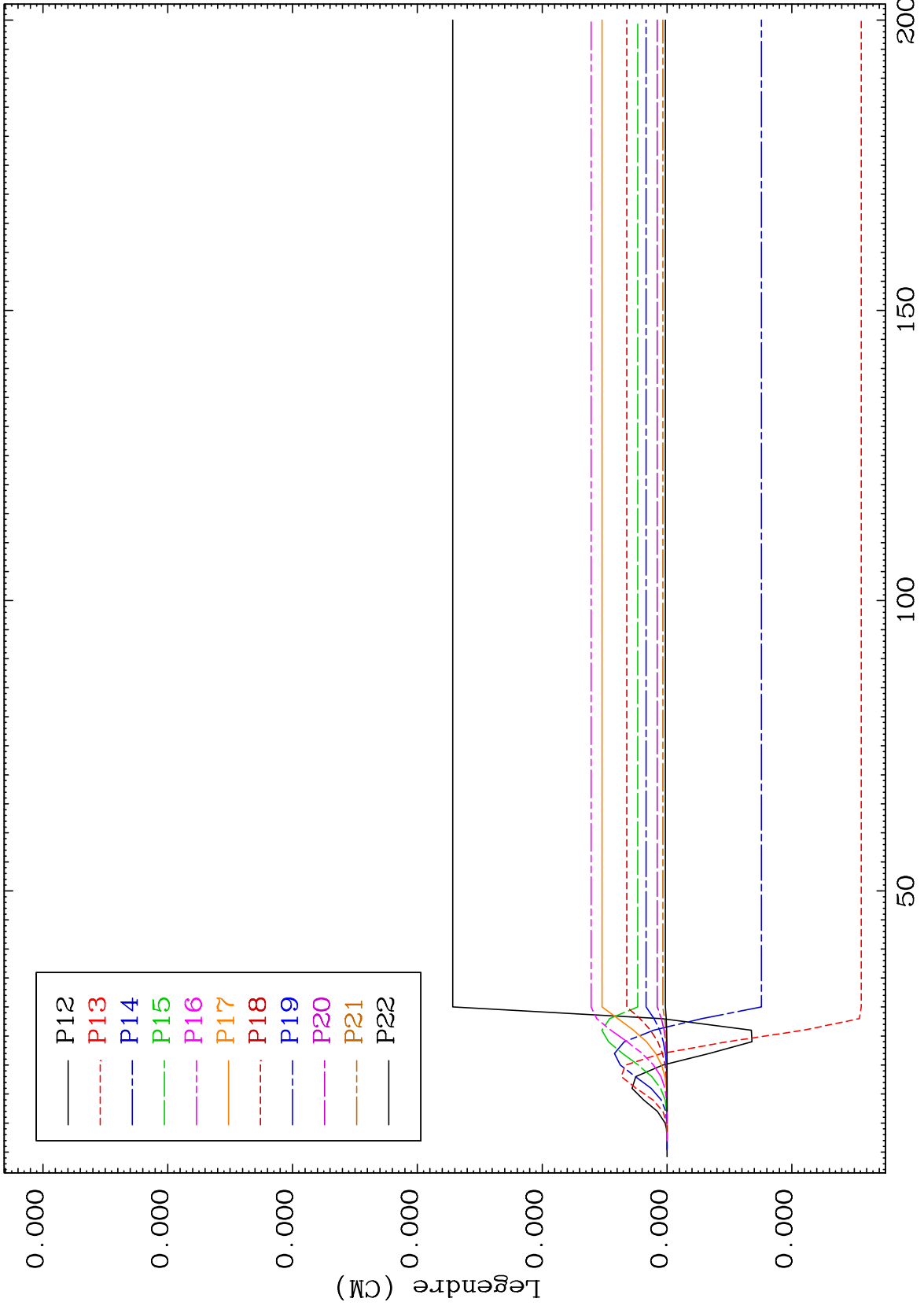
Incident Energy (MeV)

28-Ni-59

MAT 2828

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

28-Ni-59



73

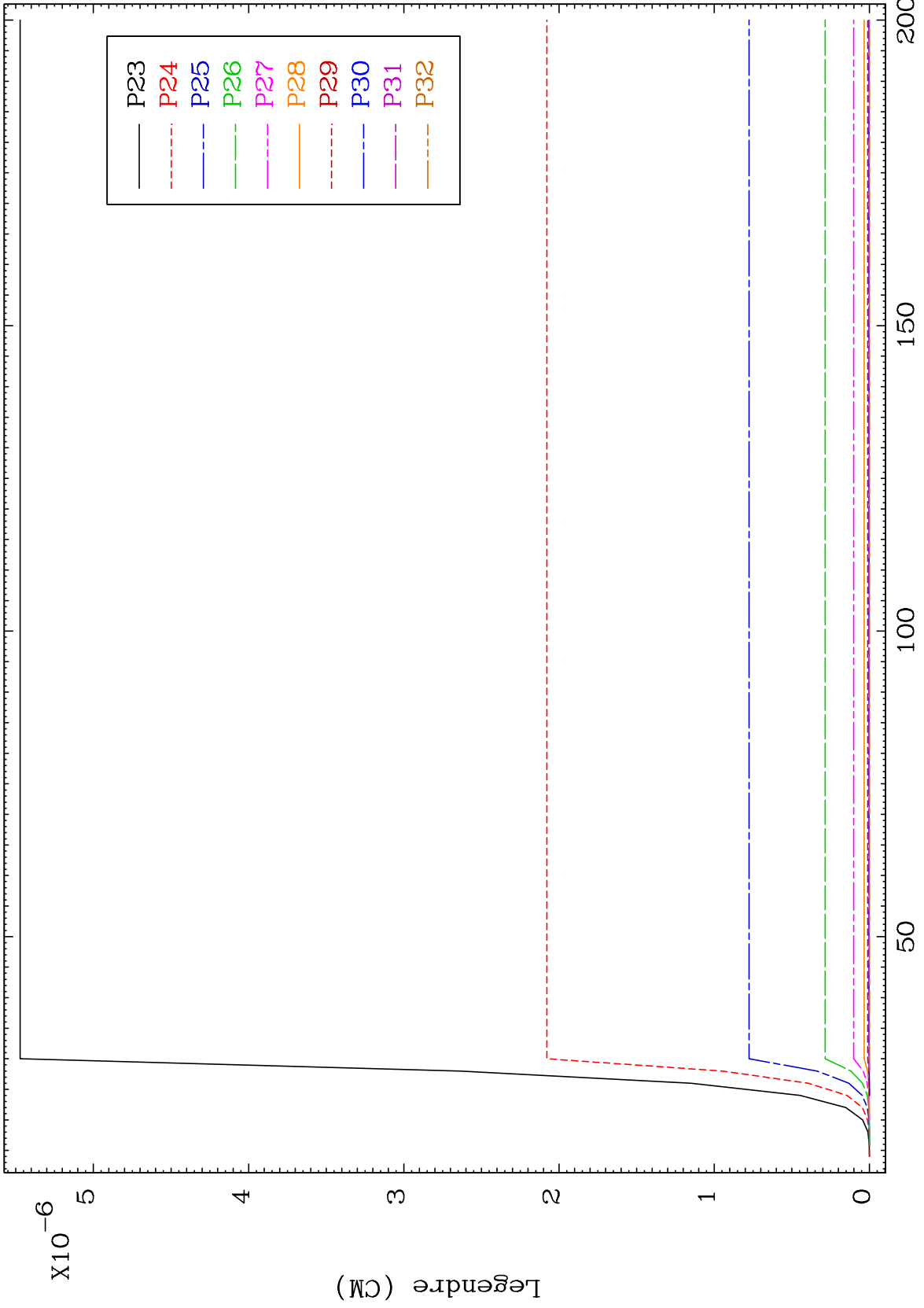
Incident Energy (MeV)

28-Ni-59

MAT 2828

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

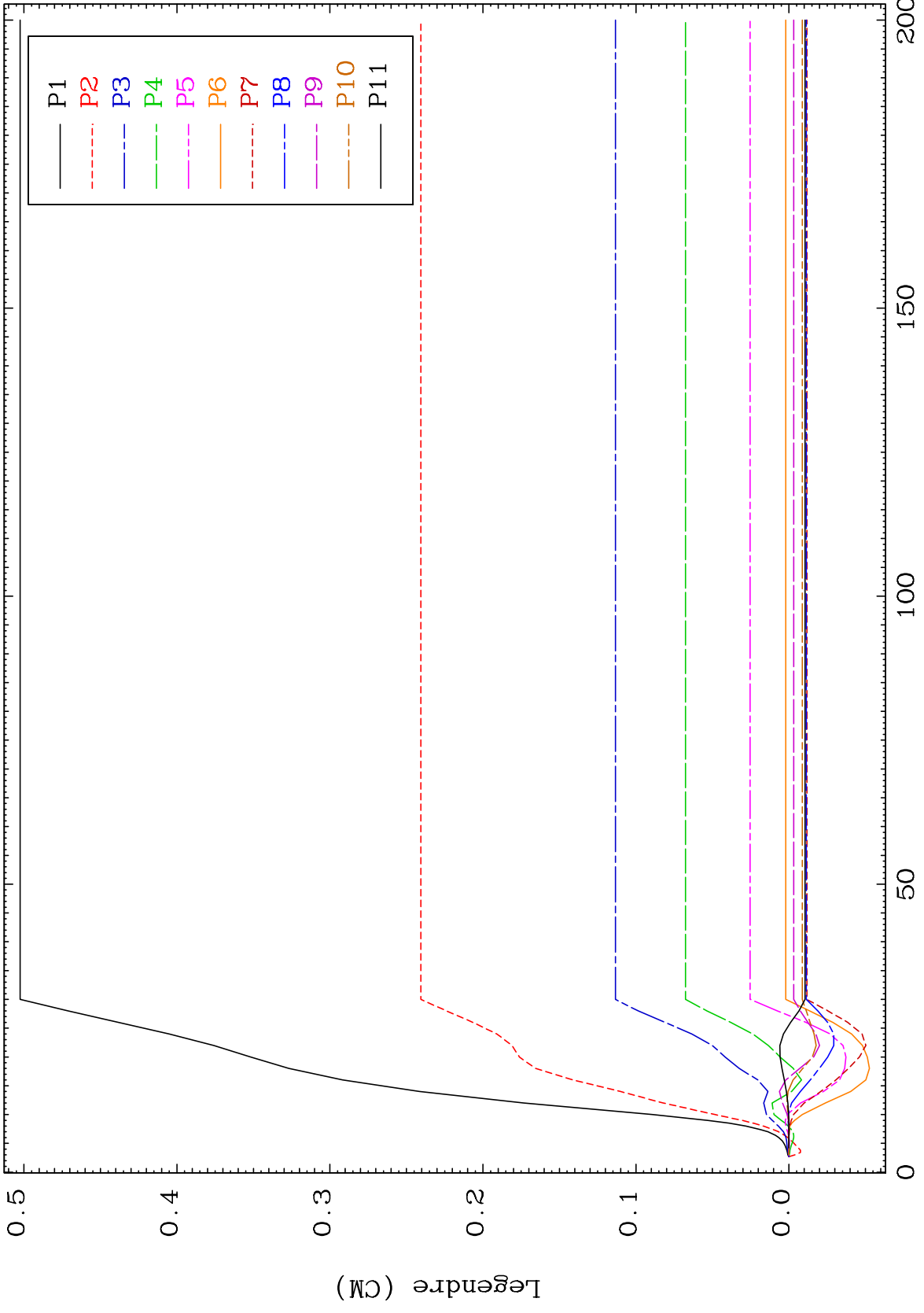
28-Ni-59



74

28-Ni-59

MAT 2828 MT= 71 (n,n') Level Legendre Coefficients 28-Ni-59

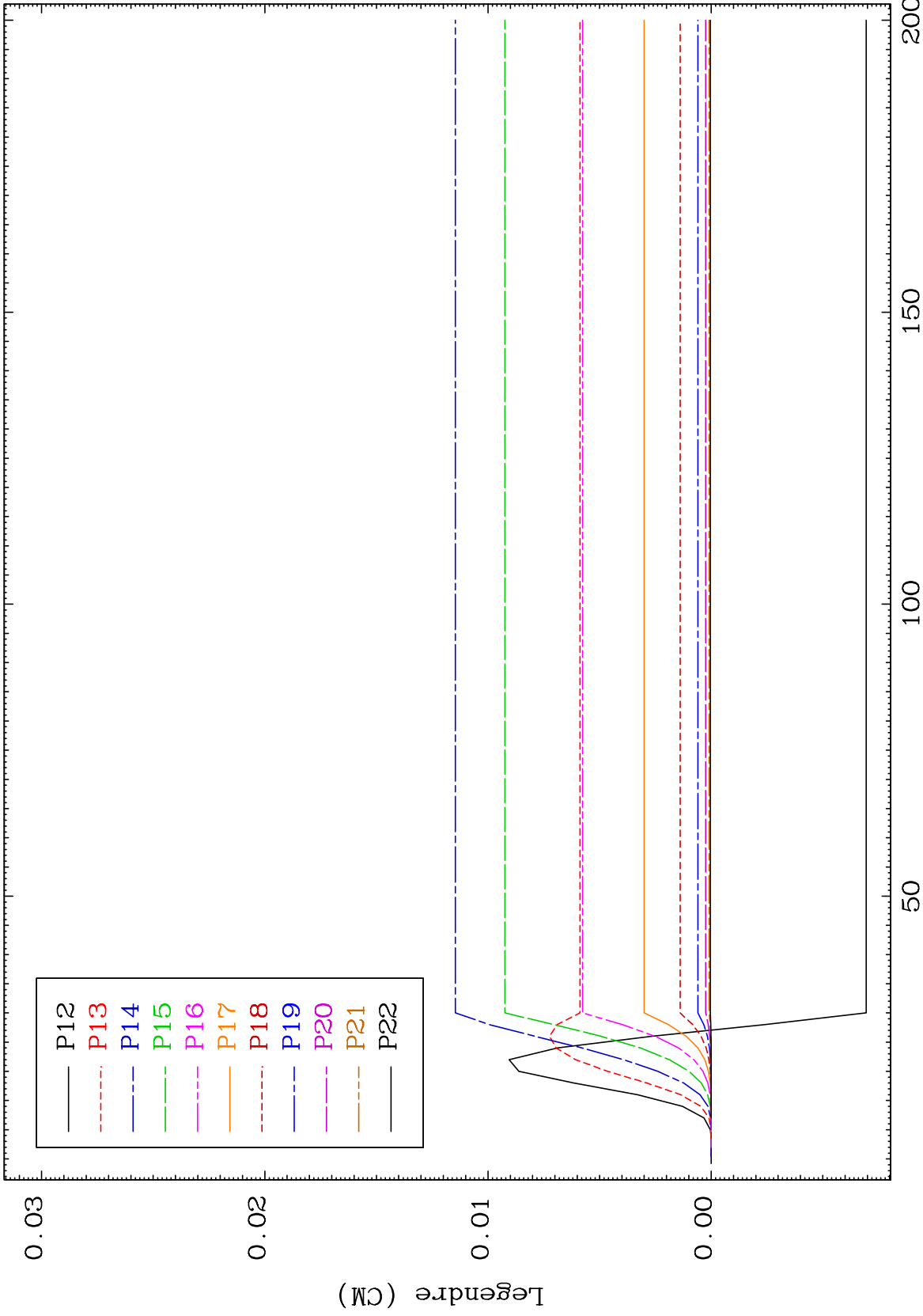


75 Incident Energy (MeV) 28-Ni-59

MAT 2828

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

28-Ni-59



76

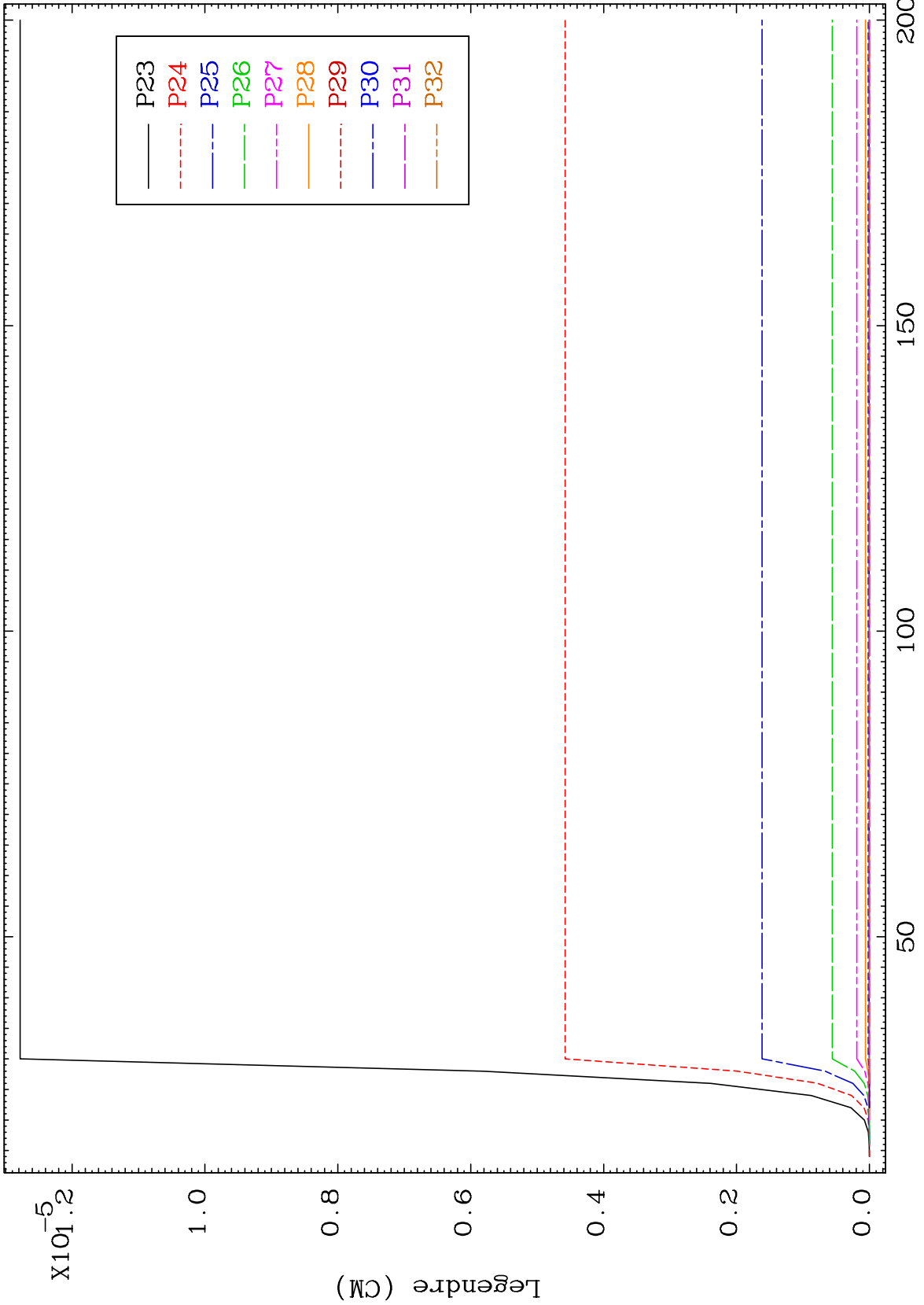
Incident Energy (MeV)

28-Ni-59

MAT 2828

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

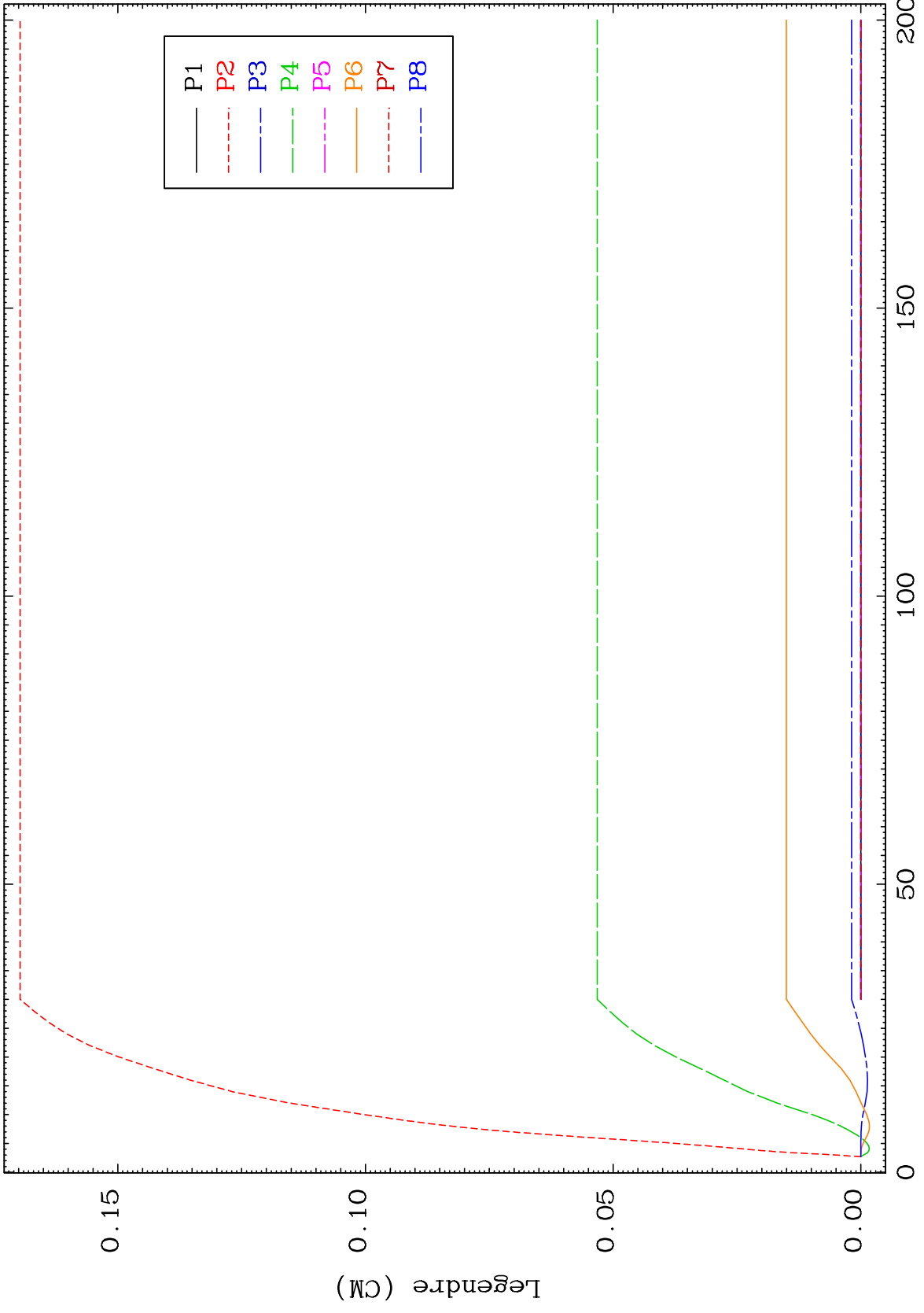
28-Ni-59



77

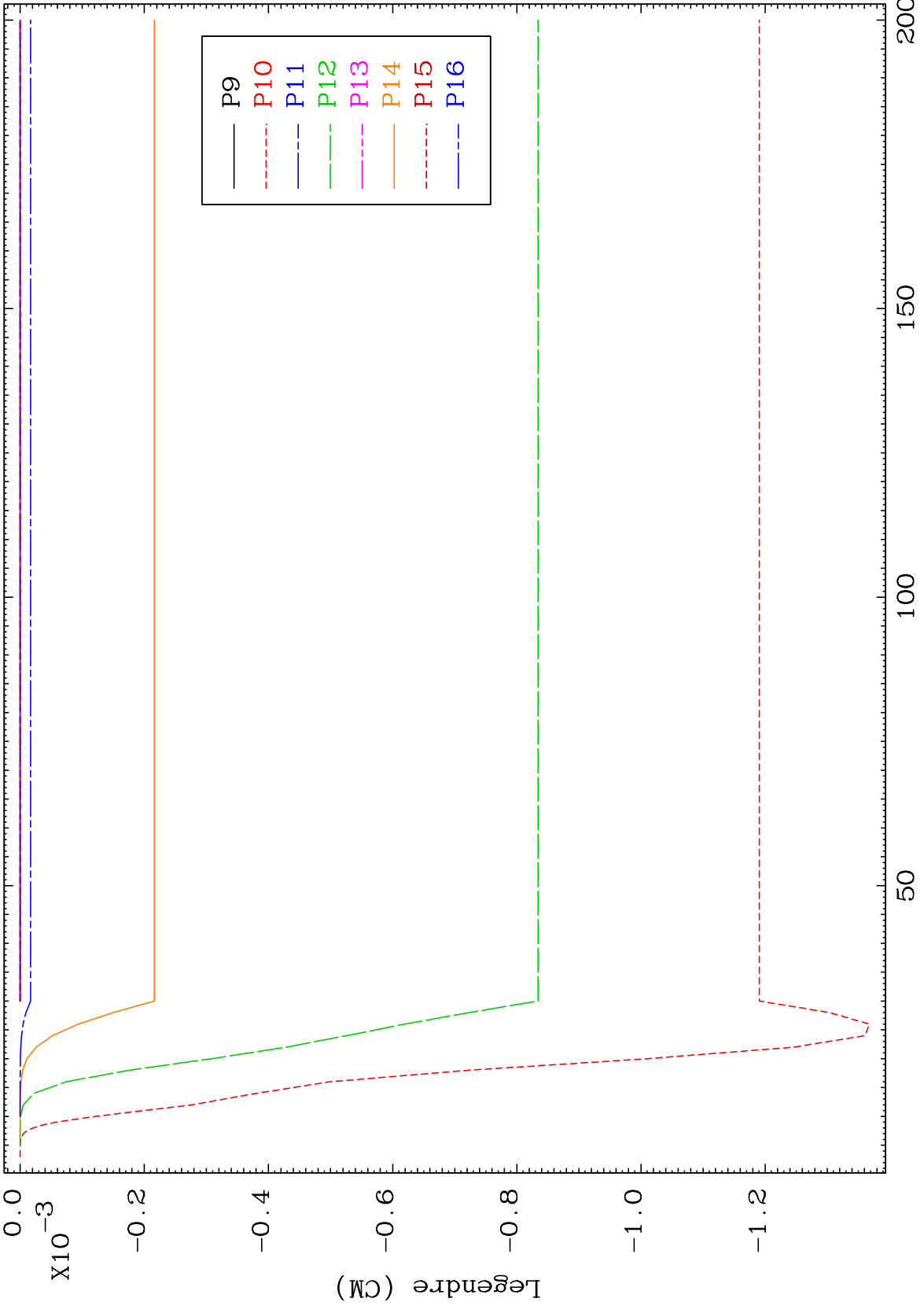
28-Ni-59

MAT 2828 MT= 72 (n,n') Level Legendre Coefficients 28-Ni-59



78 Incident Energy (MeV) 28-Ni-59

MAT 2828 MT= 72 (n,n') Level Legendre Coefficients 28-Ni-59



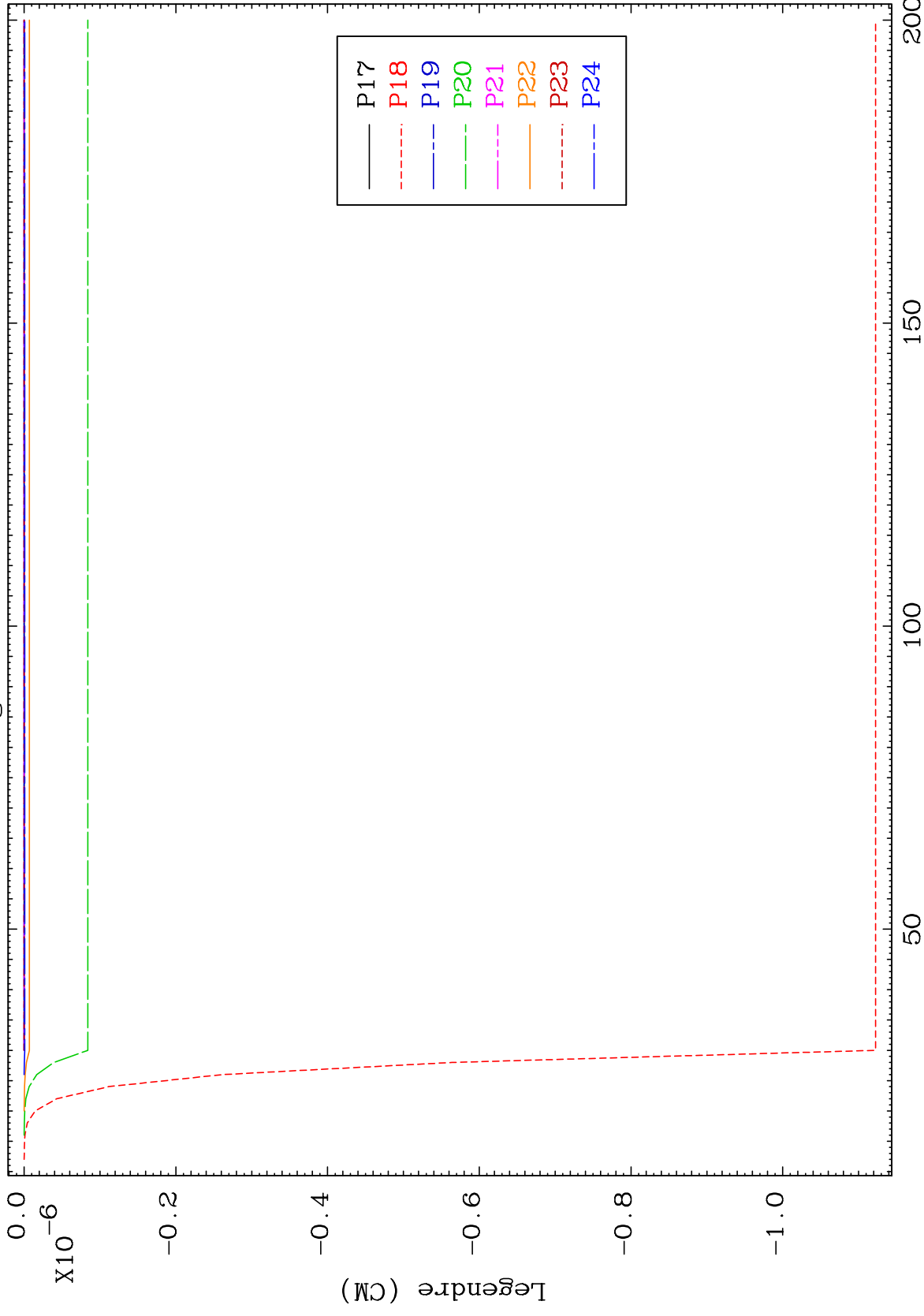
79 Incident Energy (MeV) 28-Ni-59



MAT 2828

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

28-Ni-59

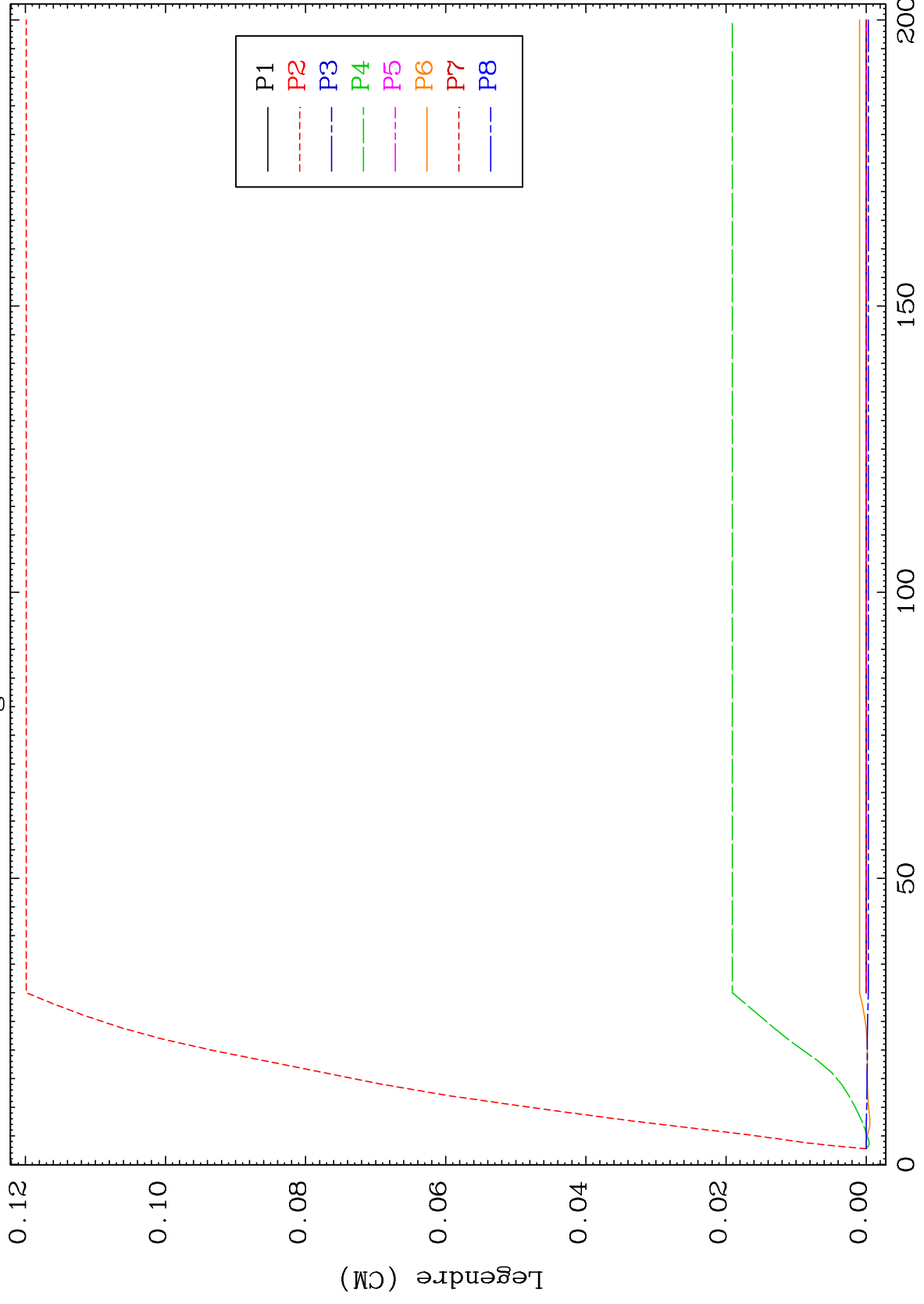


28-Ni-59

Incident Energy (MeV)

80

MAT 2828 MT= 73 (n,n') Level Legendre Coefficients 28-Ni-59

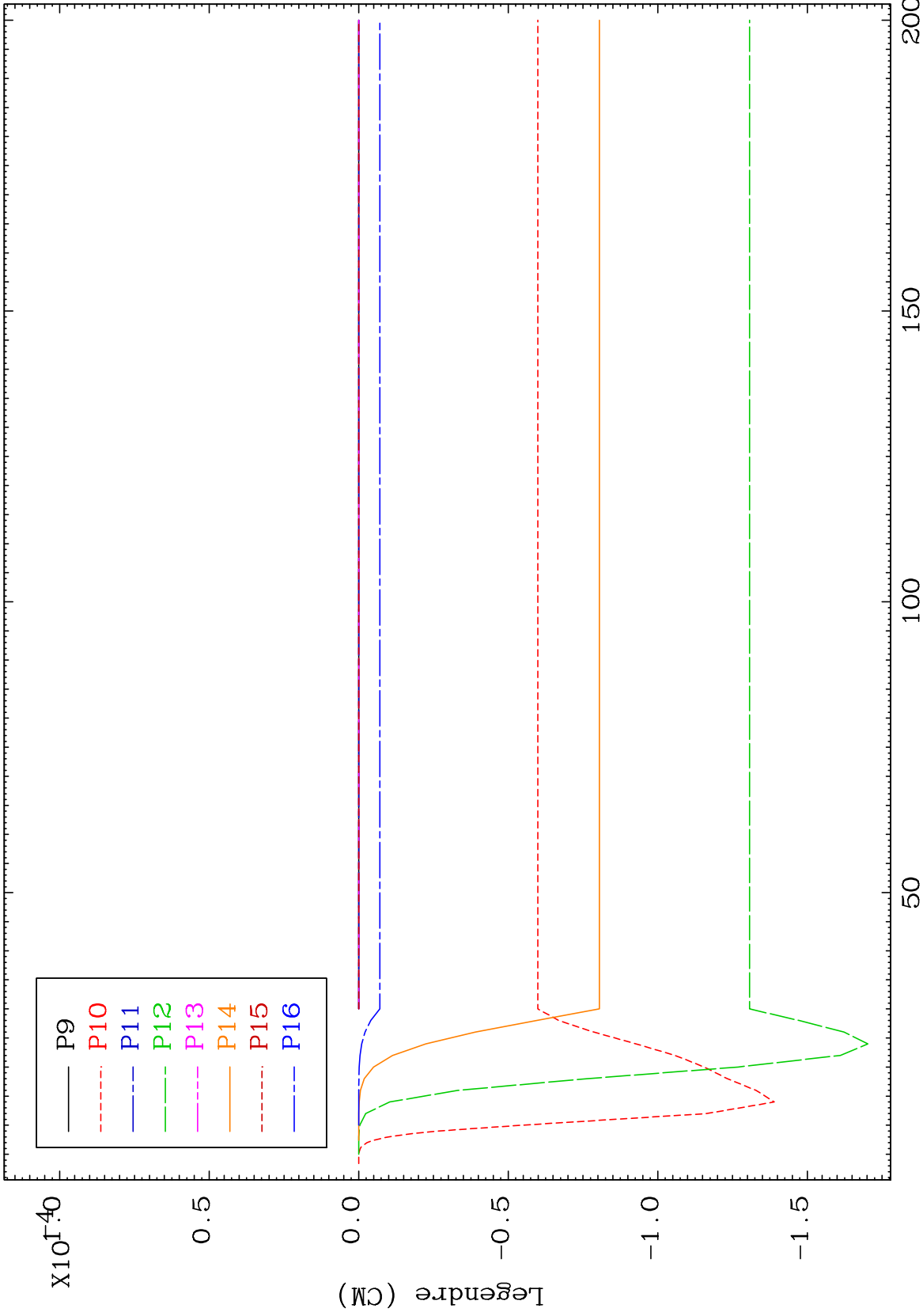


81 28-Ni-59

MAT 2828

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

28-Ni-59

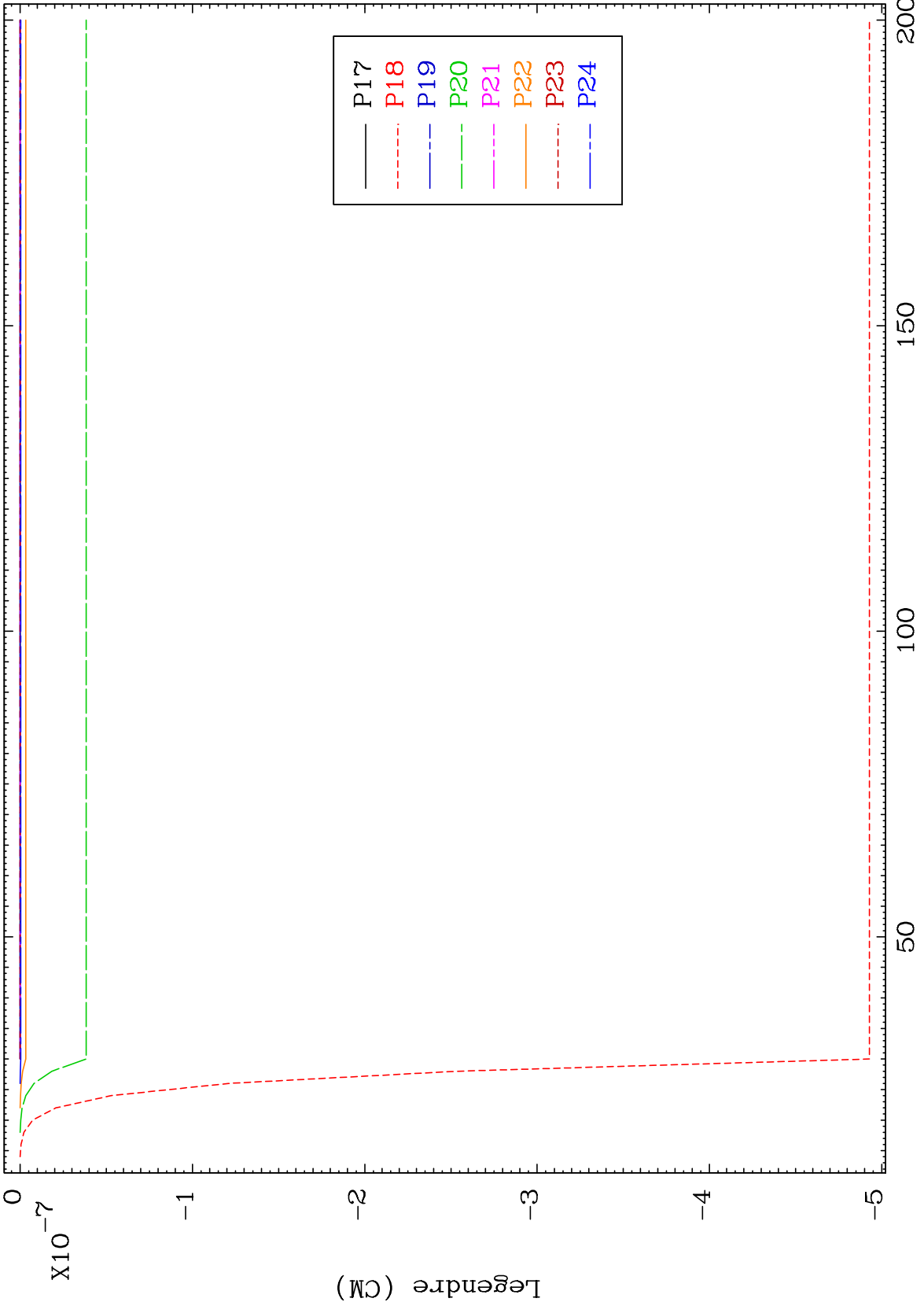


82

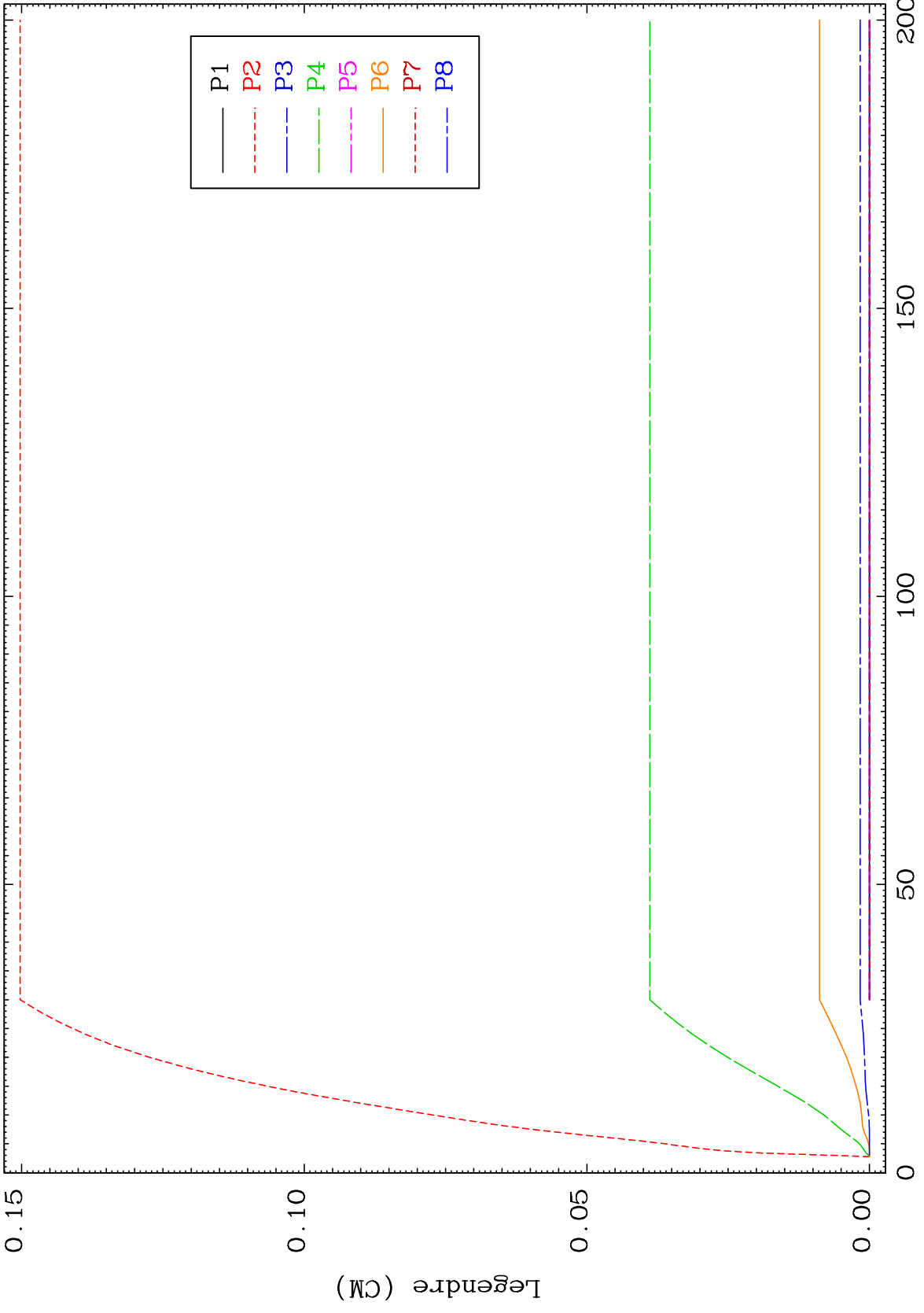
Incident Energy (MeV)

28-Ni-59

MAT 2828 MT= 73 (n,n') Level Legendre Coefficients 28-Ni-59



MAT 2828 MT= 74 (n,n') Level Legendre Coefficients 28-Ni-59

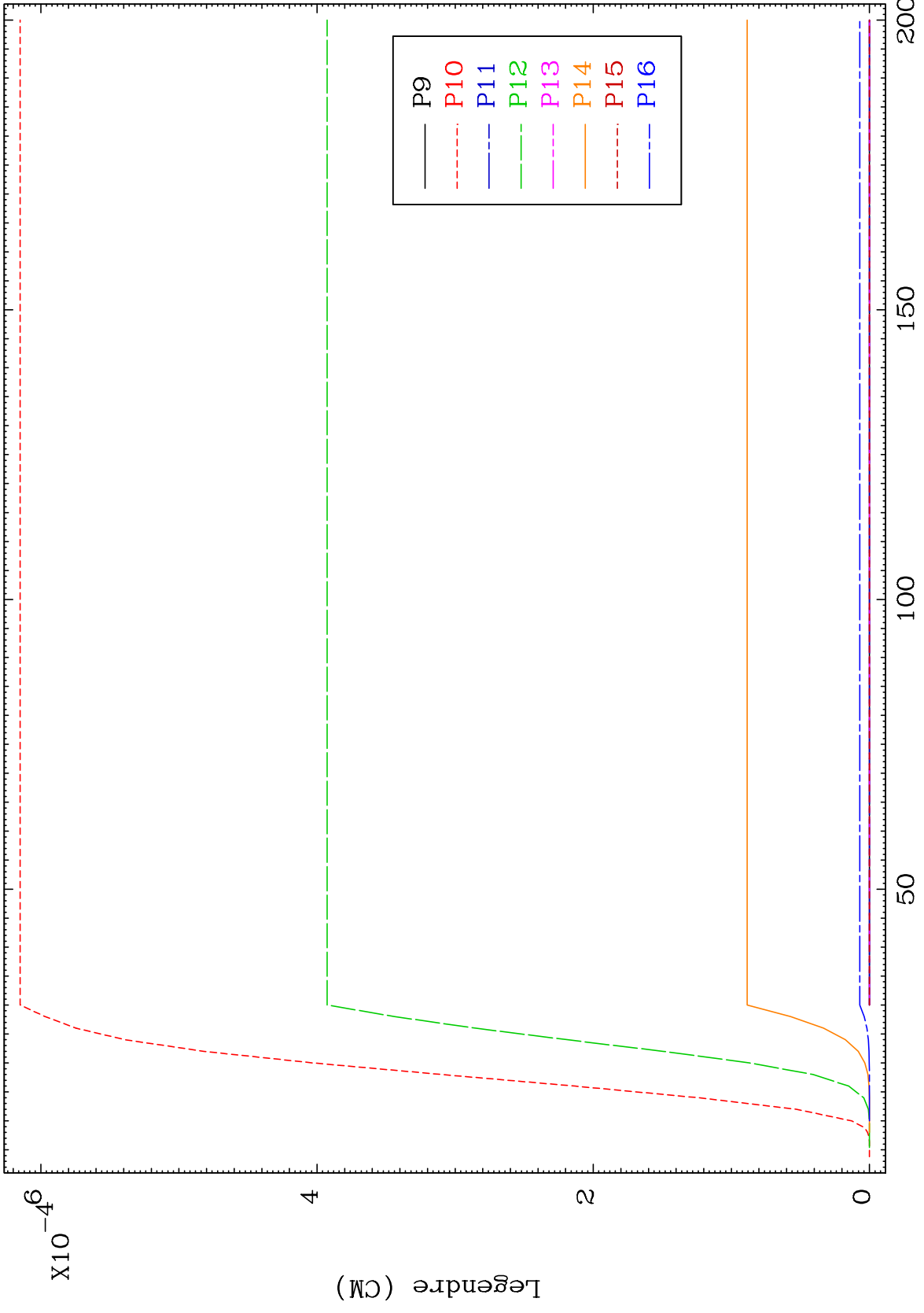


84 Incident Energy (MeV) 28-Ni-59

MAT 2828

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

28-Ni-59



85

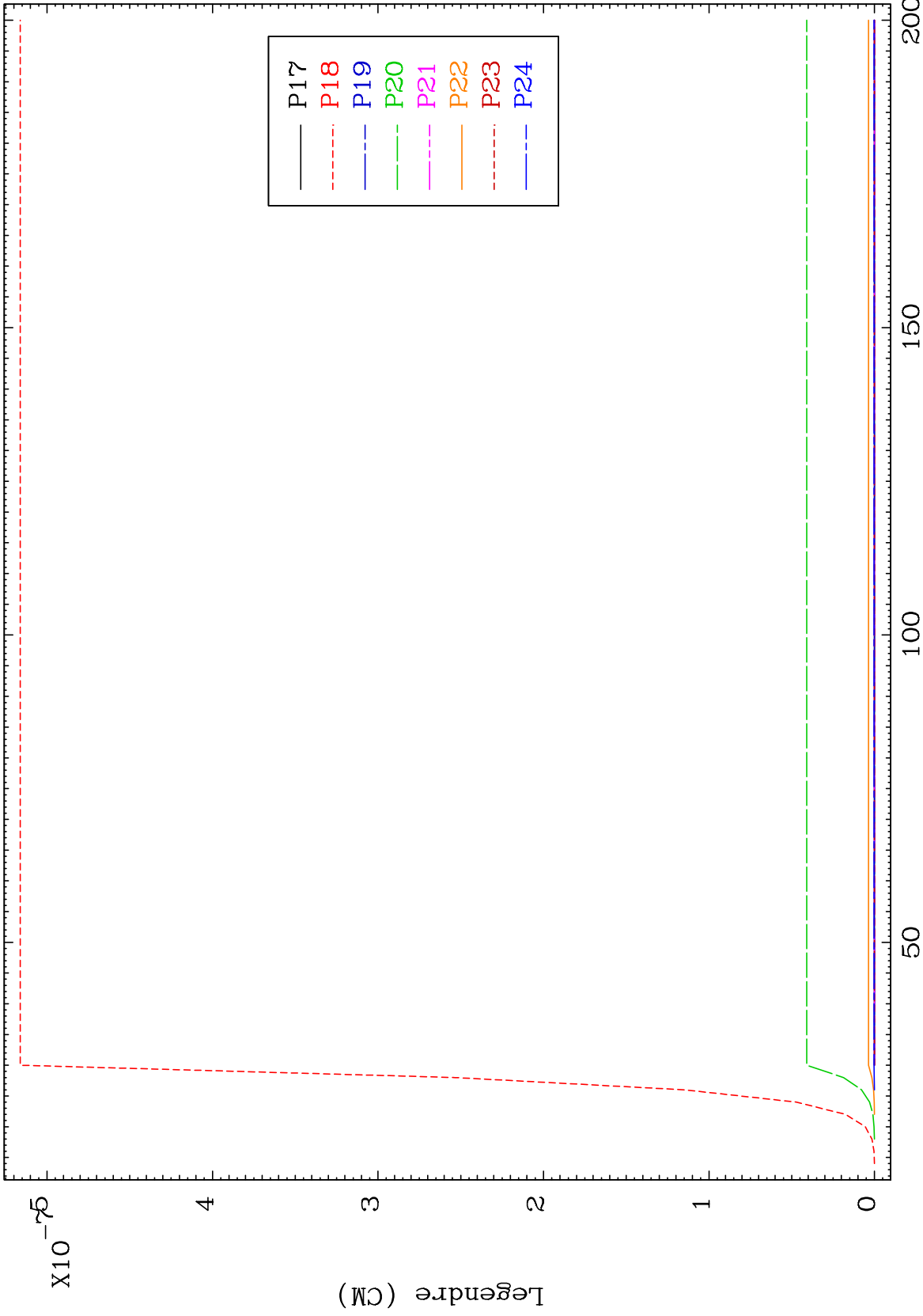
Incident Energy (MeV)

28-Ni-59

MAT 2828

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

28-Ni-59



86

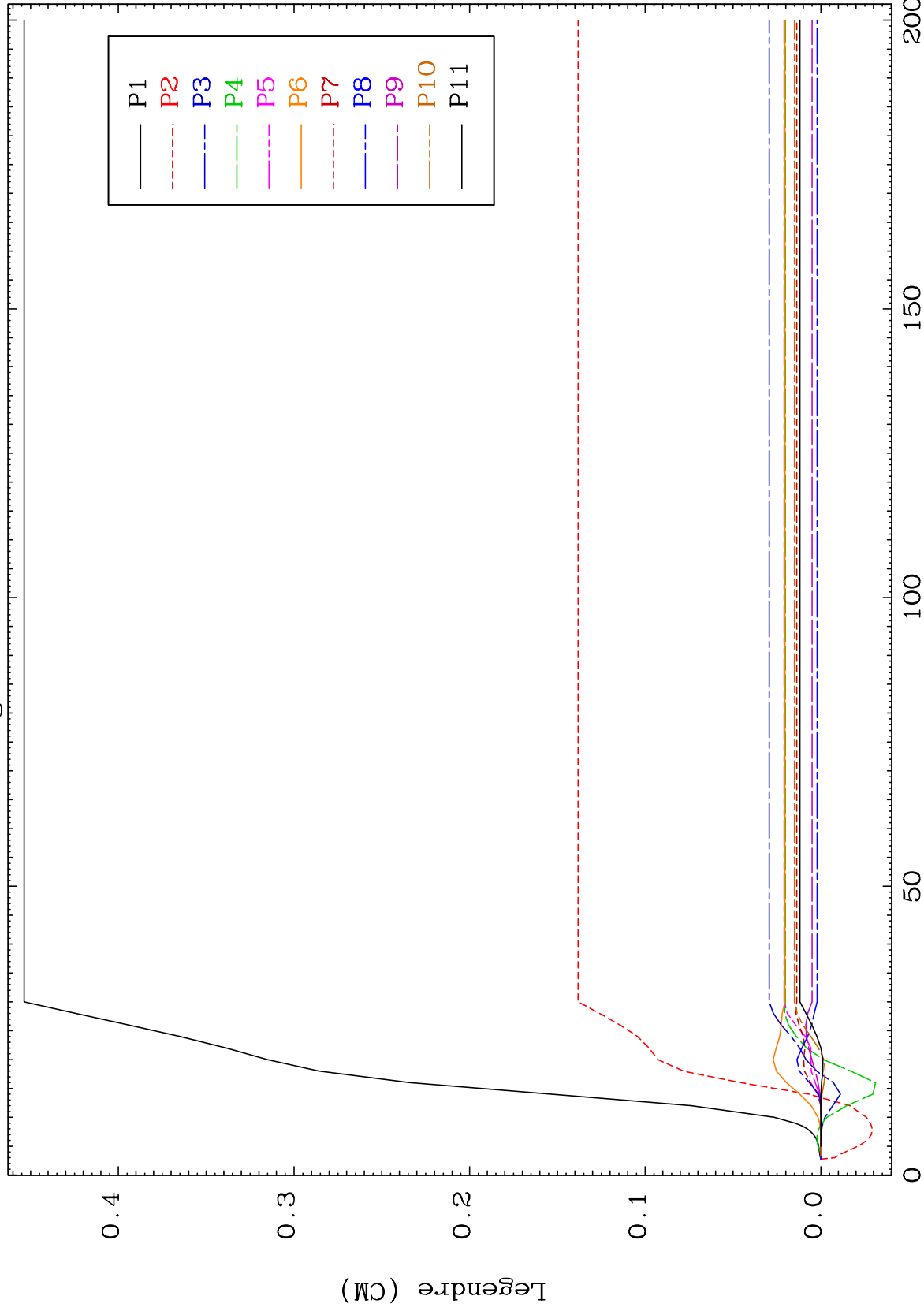
Incident Energy (MeV)

28-Ni-59

MAT 2828

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

28-Ni-59



87

Incident Energy (MeV)

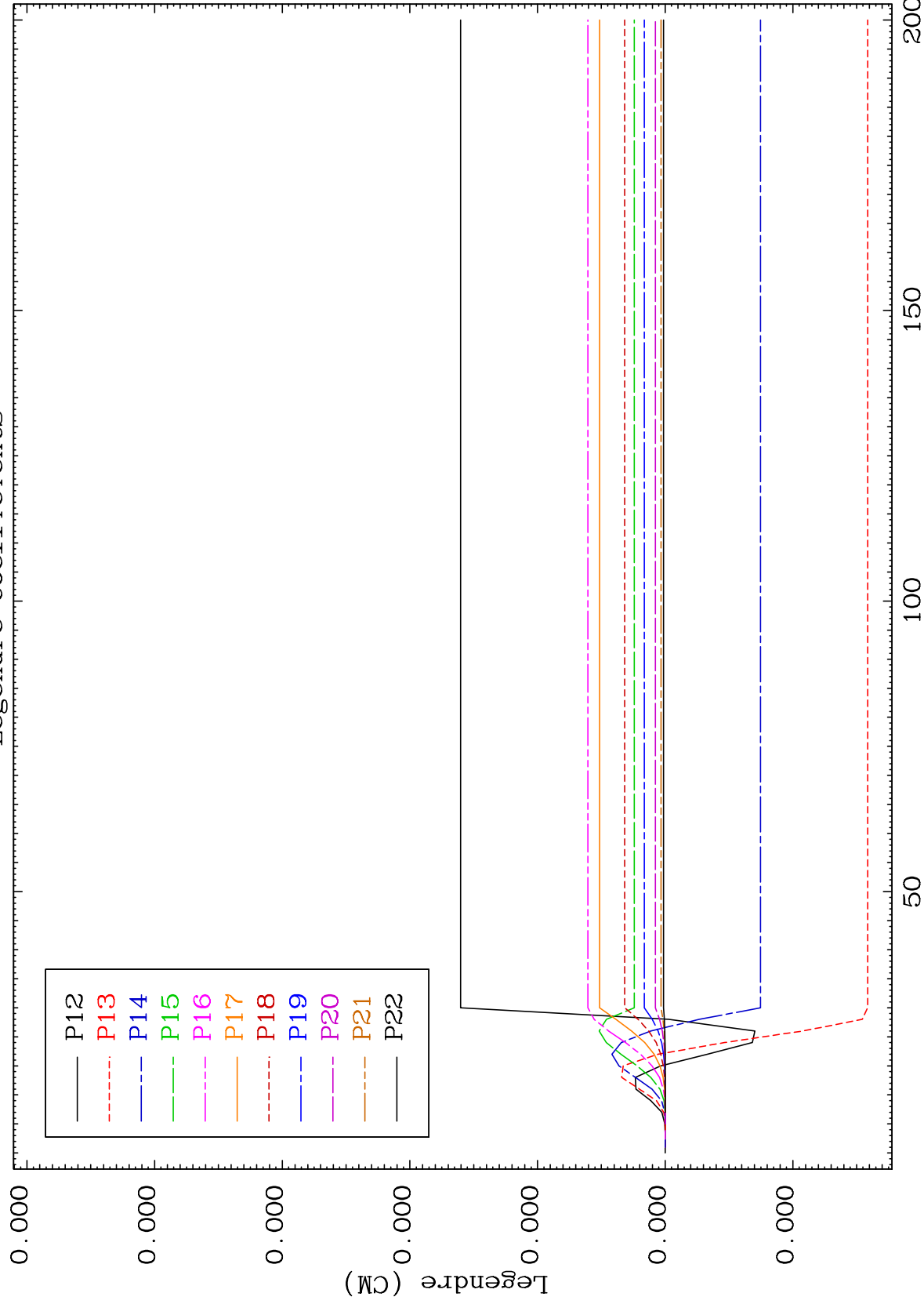
28-Ni-59



MAT 2828

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

28-Ni-59



88

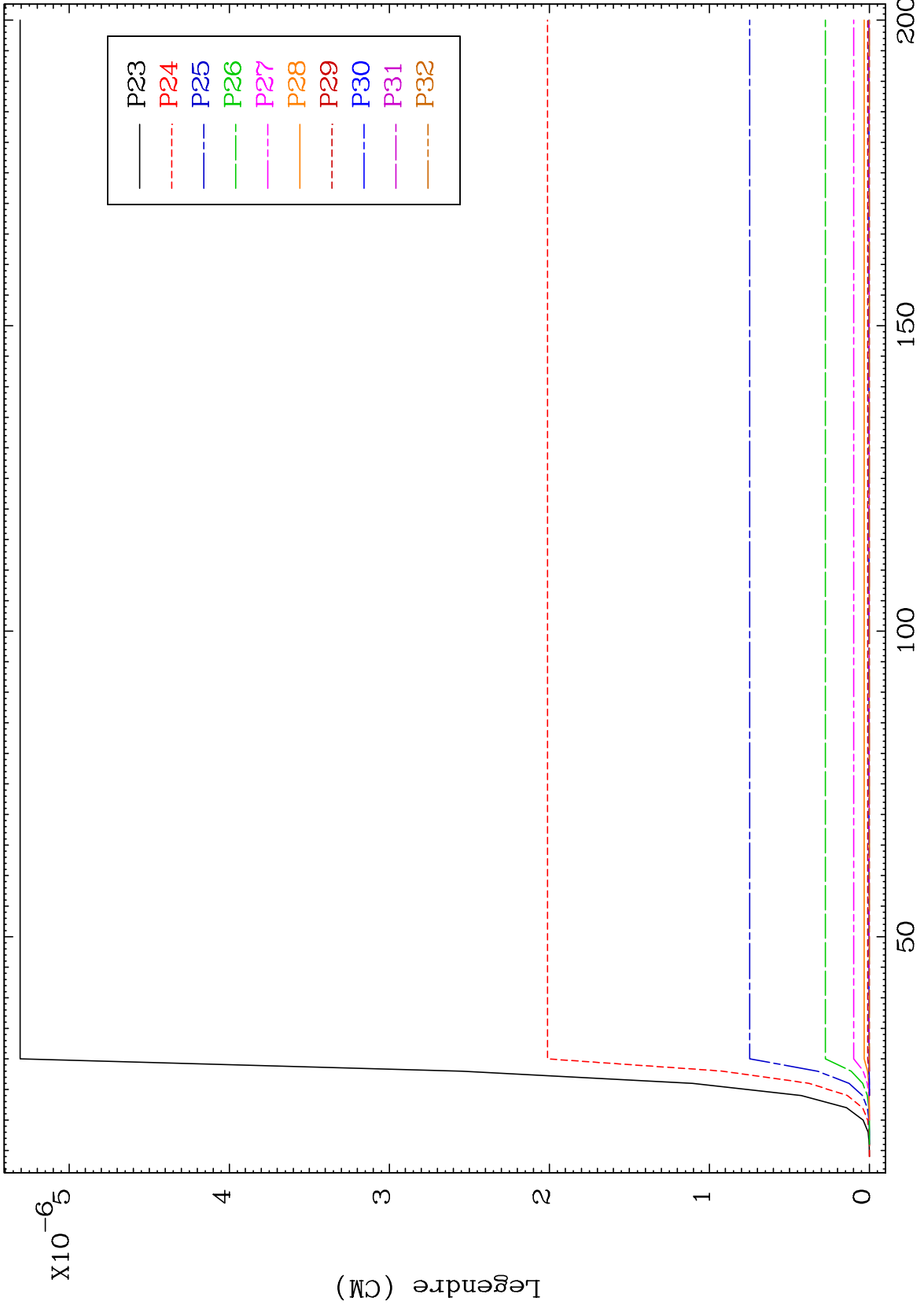
Incident Energy (MeV)

28-Ni-59

MAT 2828

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

28-Ni-59



89

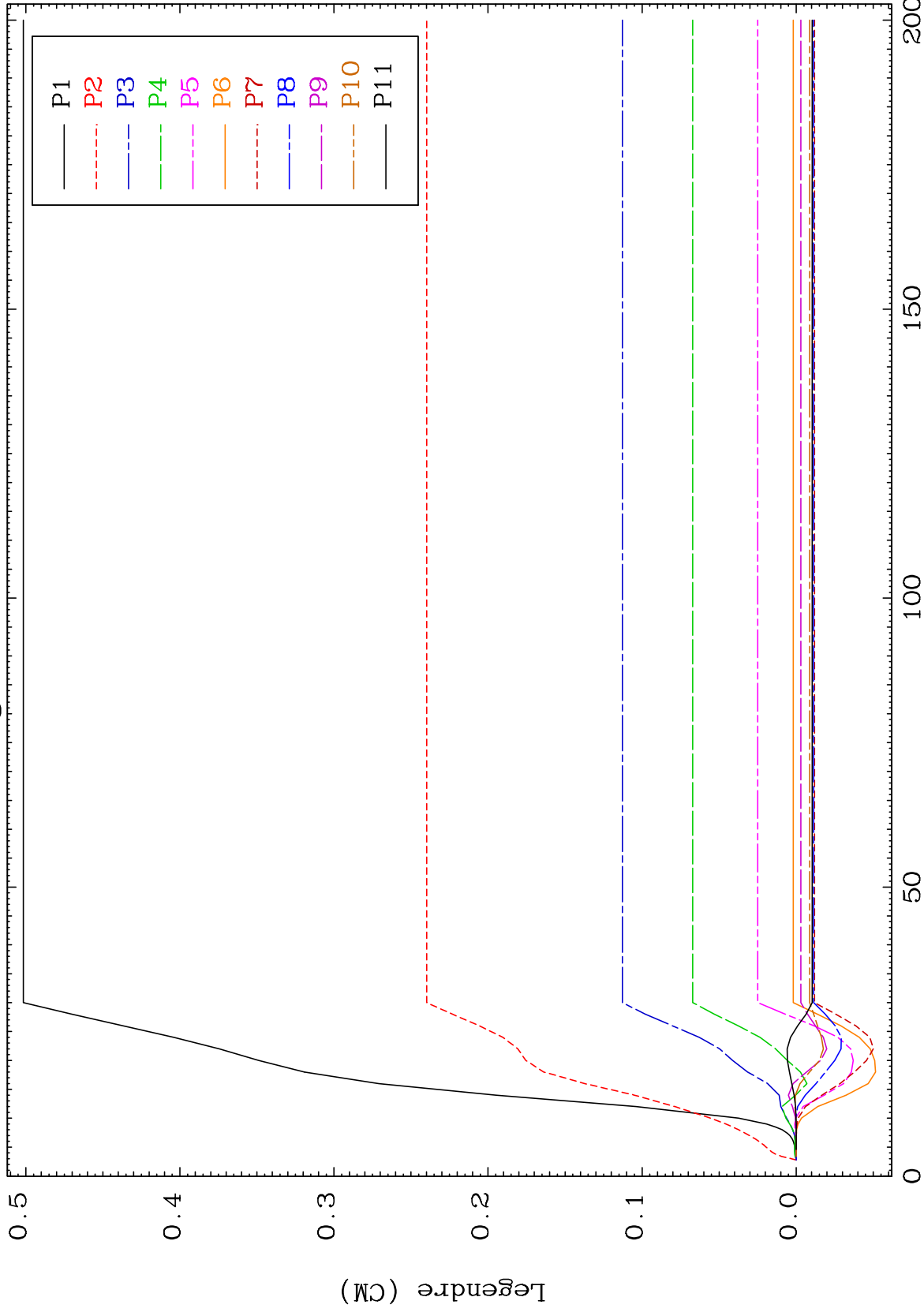
Incident Energy (MeV)

28-Ni-59

MAT 2828

MT= 76 (n,n') Level  
Legendre Coefficients

28-Ni-59



90

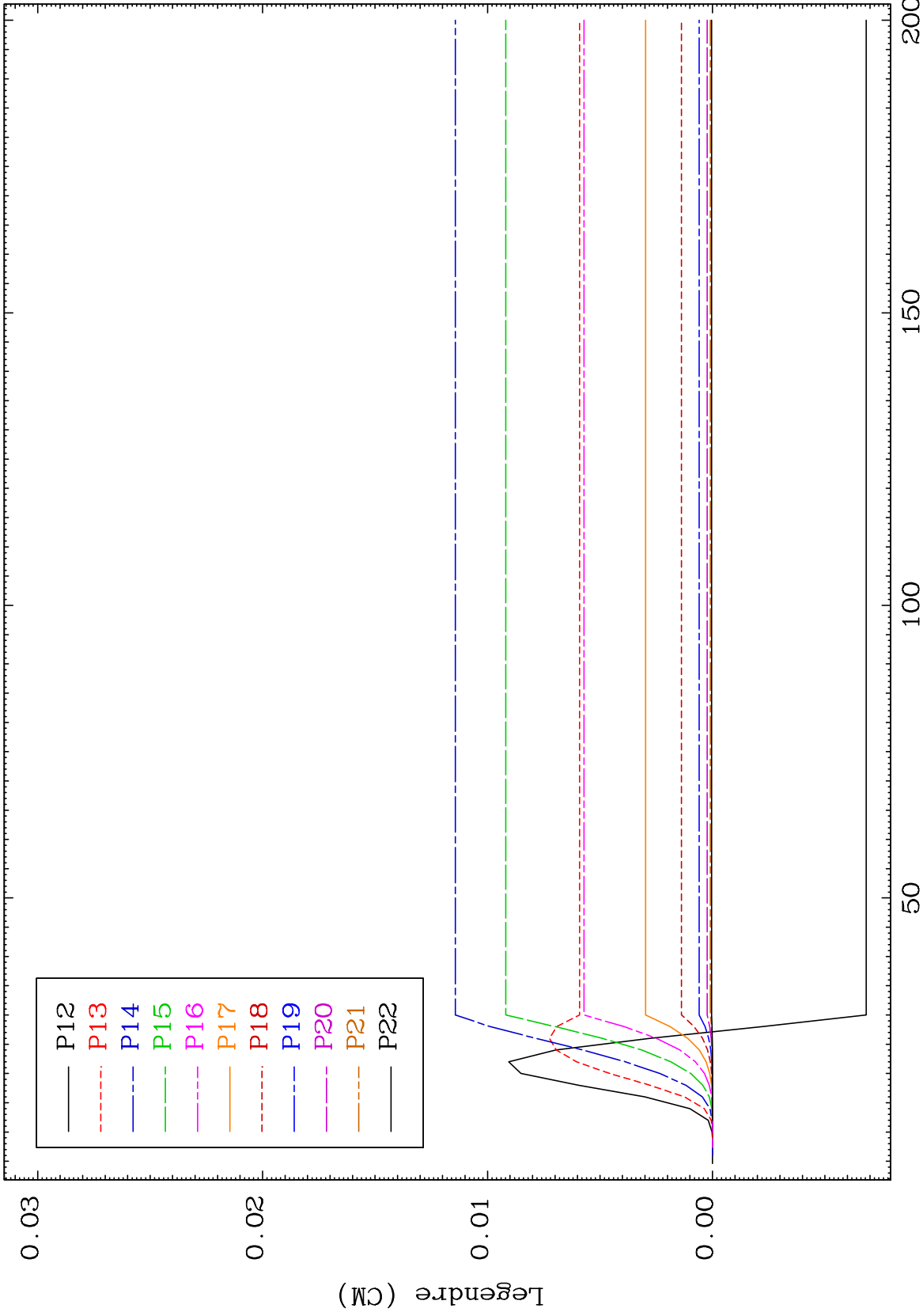
Incident Energy (MeV)

28-Ni-59

MAT 2828

MT= 76 (n,n') Level  
Legendre Coefficients

28-Ni-59



91

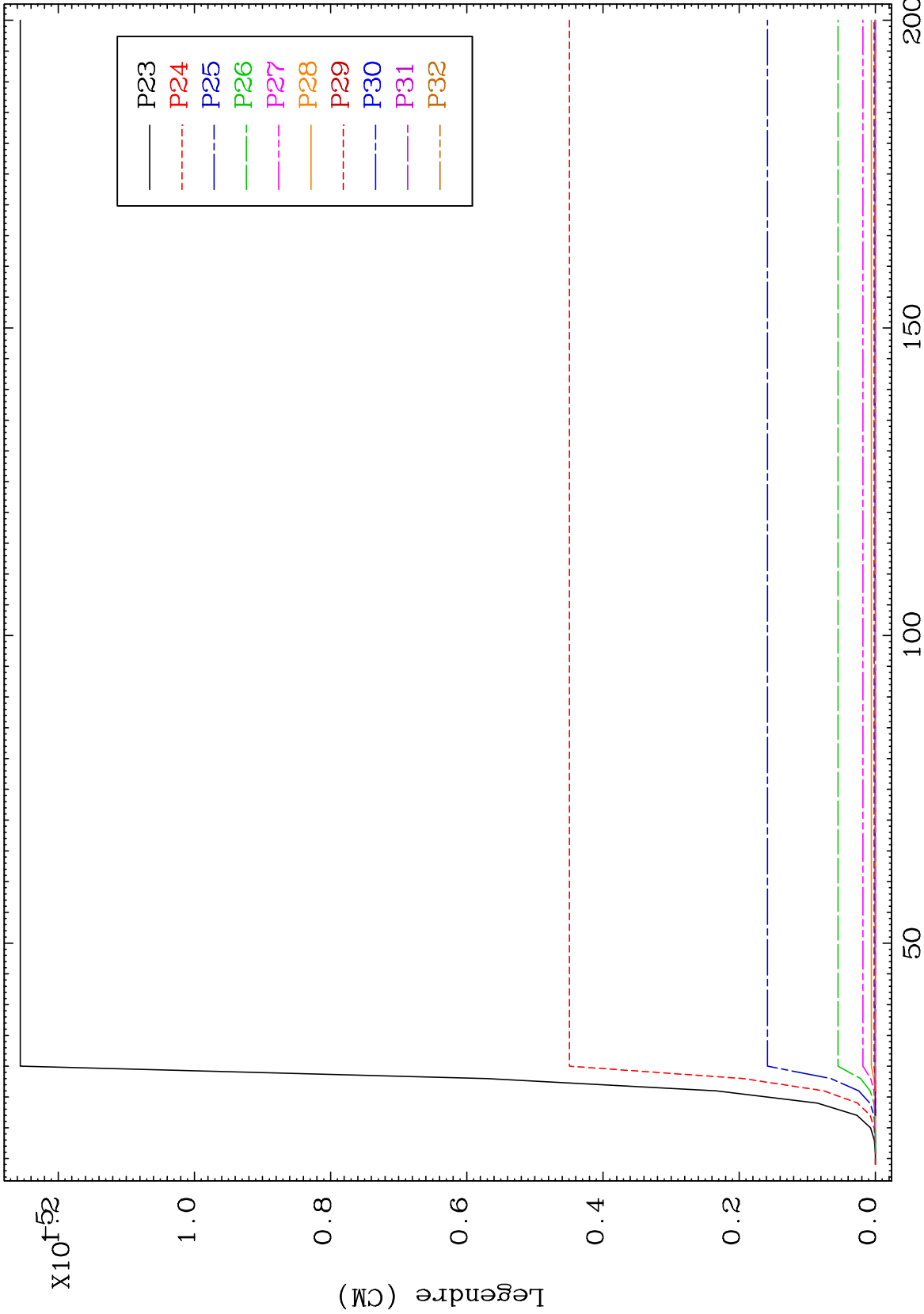
Incident Energy (MeV)

28-Ni-59

MAT 2828

MT= 76 (n,n') Level  
Legendre Coefficients

28-Ni-59



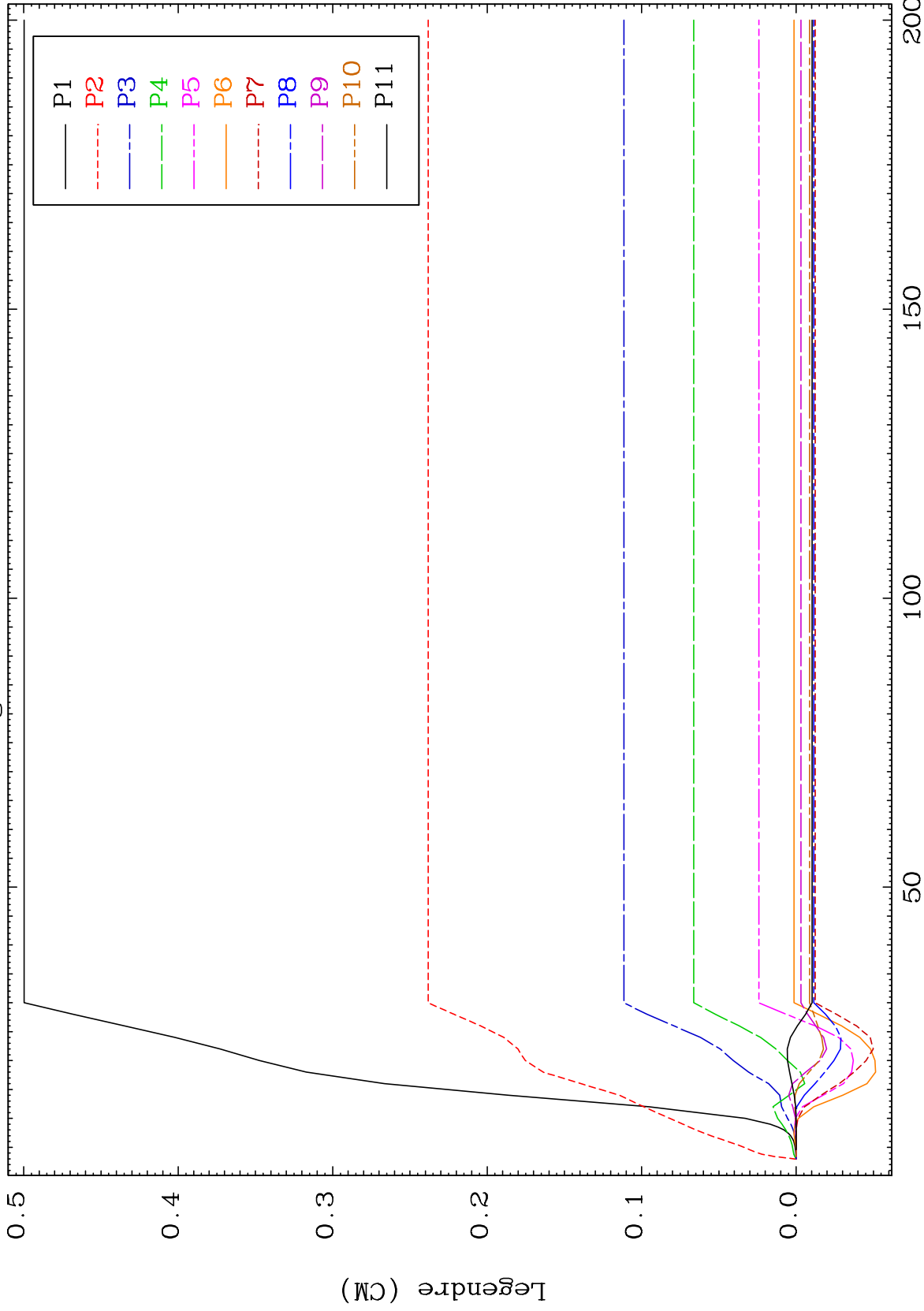
92

28-Ni-59

MAT 2828

MT= 77 (n,n') Level  
Legendre Coefficients

28-Ni-59



93

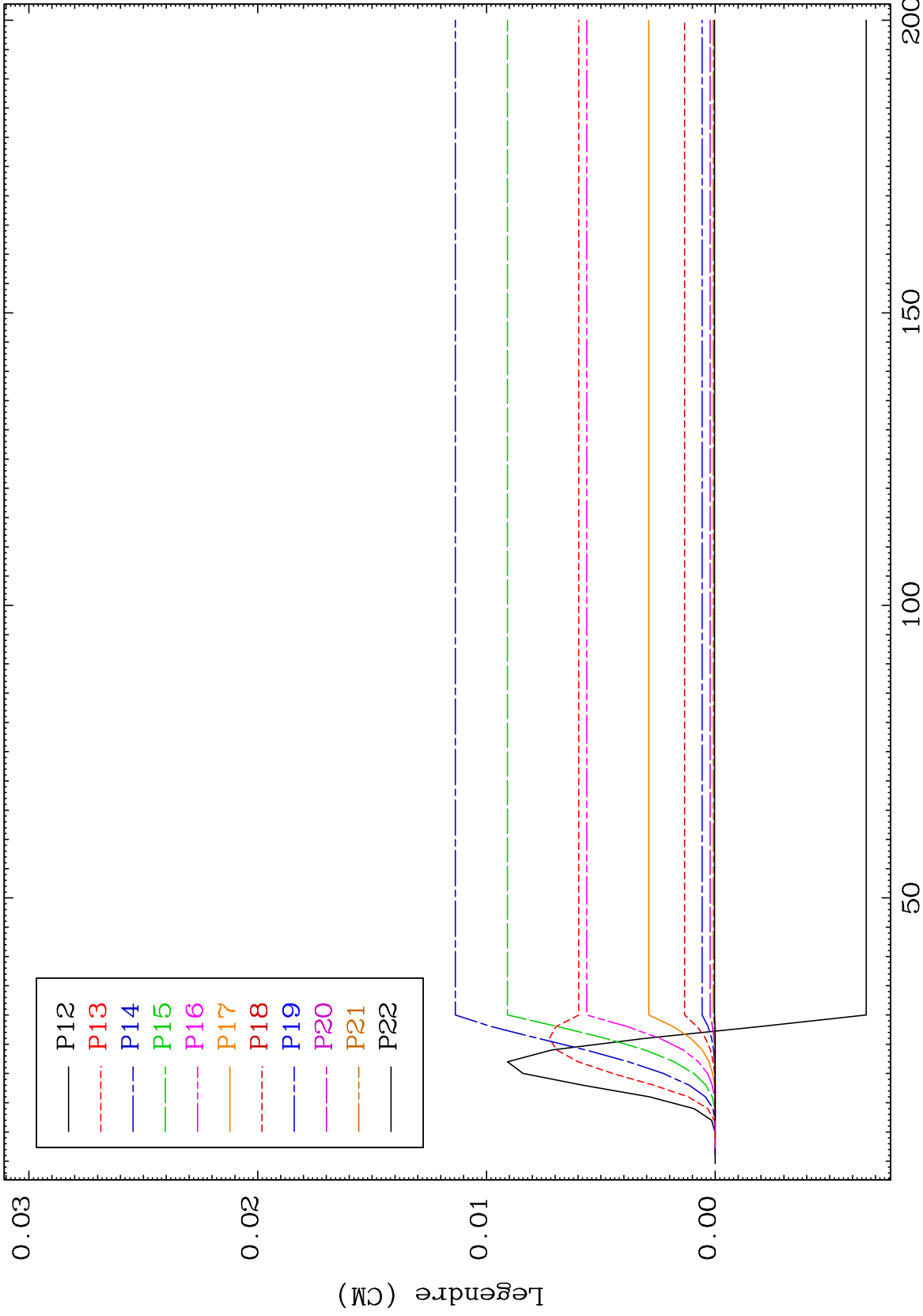
Incident Energy (MeV)

28-Ni-59

MAT 2828

MT= 77 (n,n') Level  
Legendre Coefficients

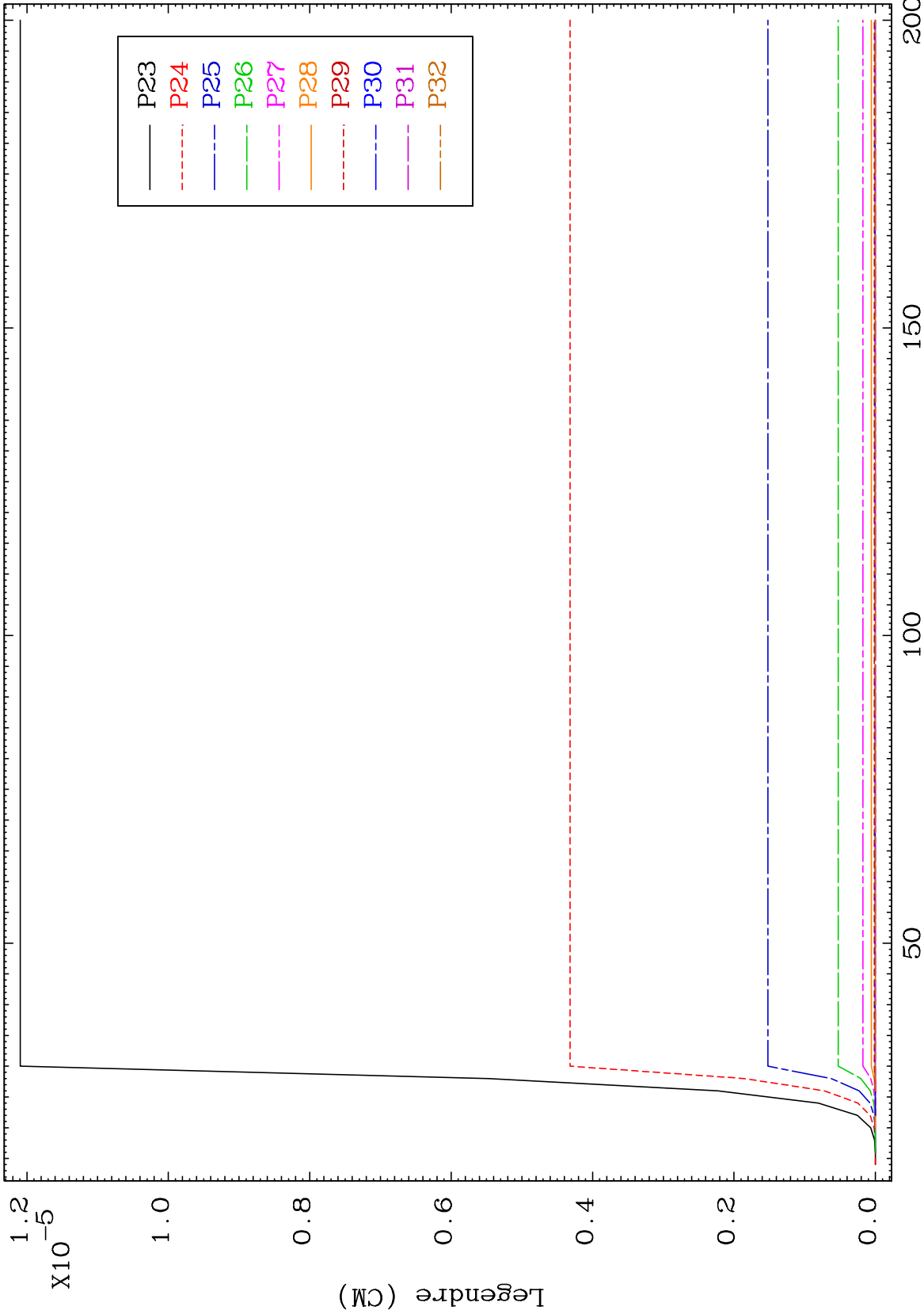
28-Ni-59



MAT 2828

MT= 77 (n,n') Level  
Legendre Coefficients

28-Ni-59



95

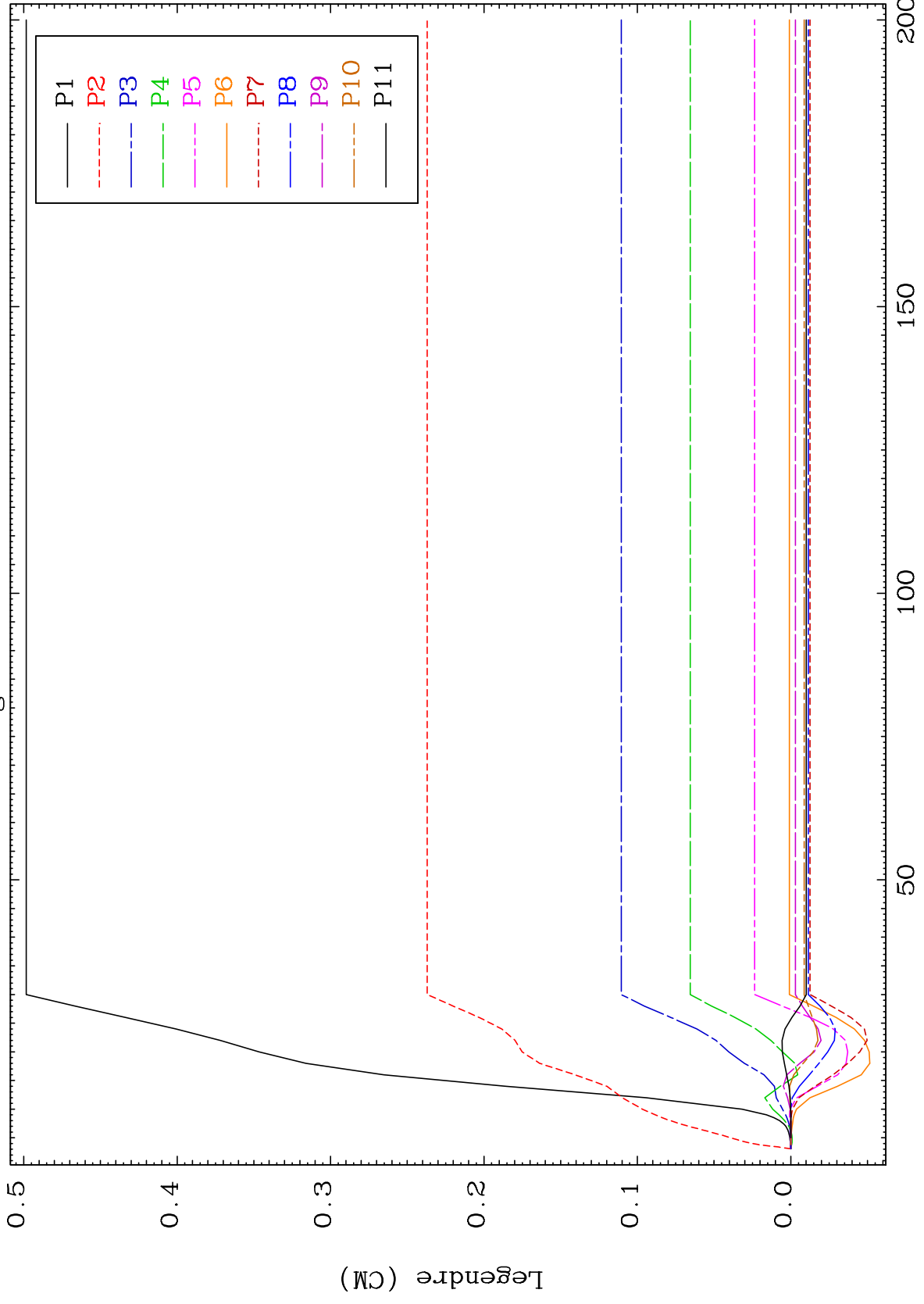
Incident Energy (MeV)

28-Ni-59



MAT 2828 MT= 78 (n,n') Level Legendre Coefficients

28-Ni-59



28-Ni-59

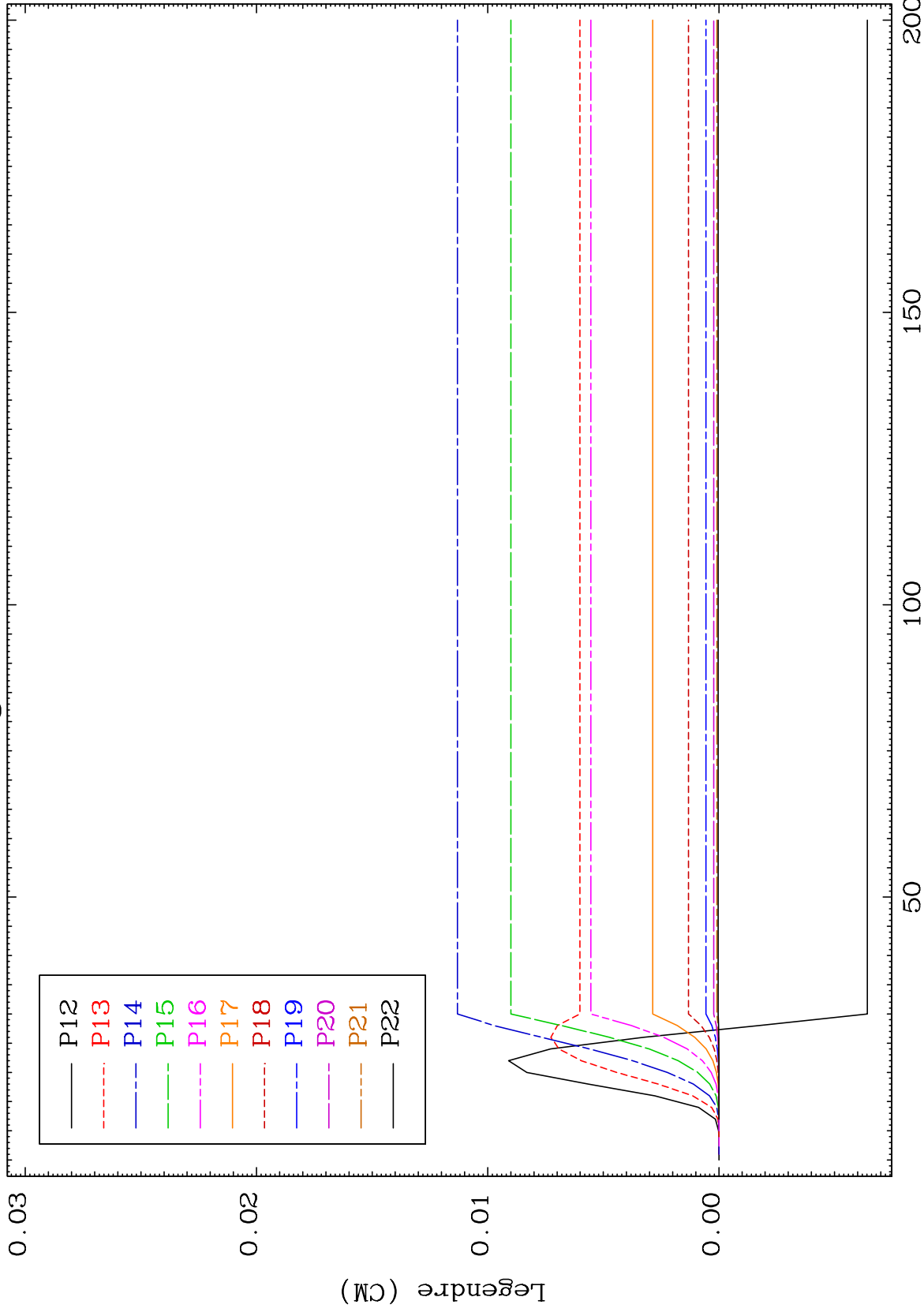
Incident Energy (MeV)

96

MAT 2828

MT= 78 (n,n') Level  
Legendre Coefficients

28-Ni-59



97

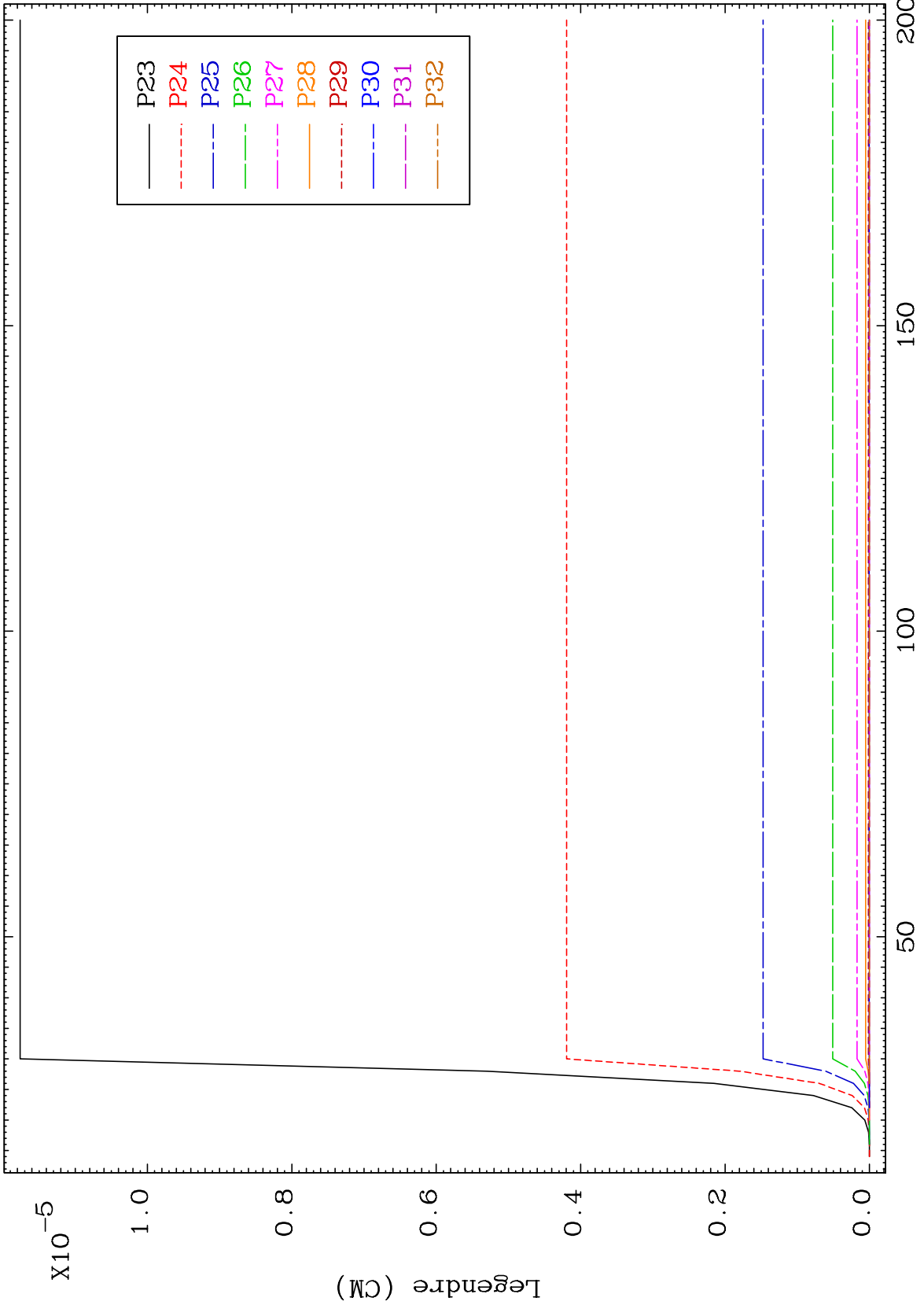
Incident Energy (MeV)

28-Ni-59

MAT 2828

MT= 78 (n,n') Level  
Legendre Coefficients

28-Ni-59

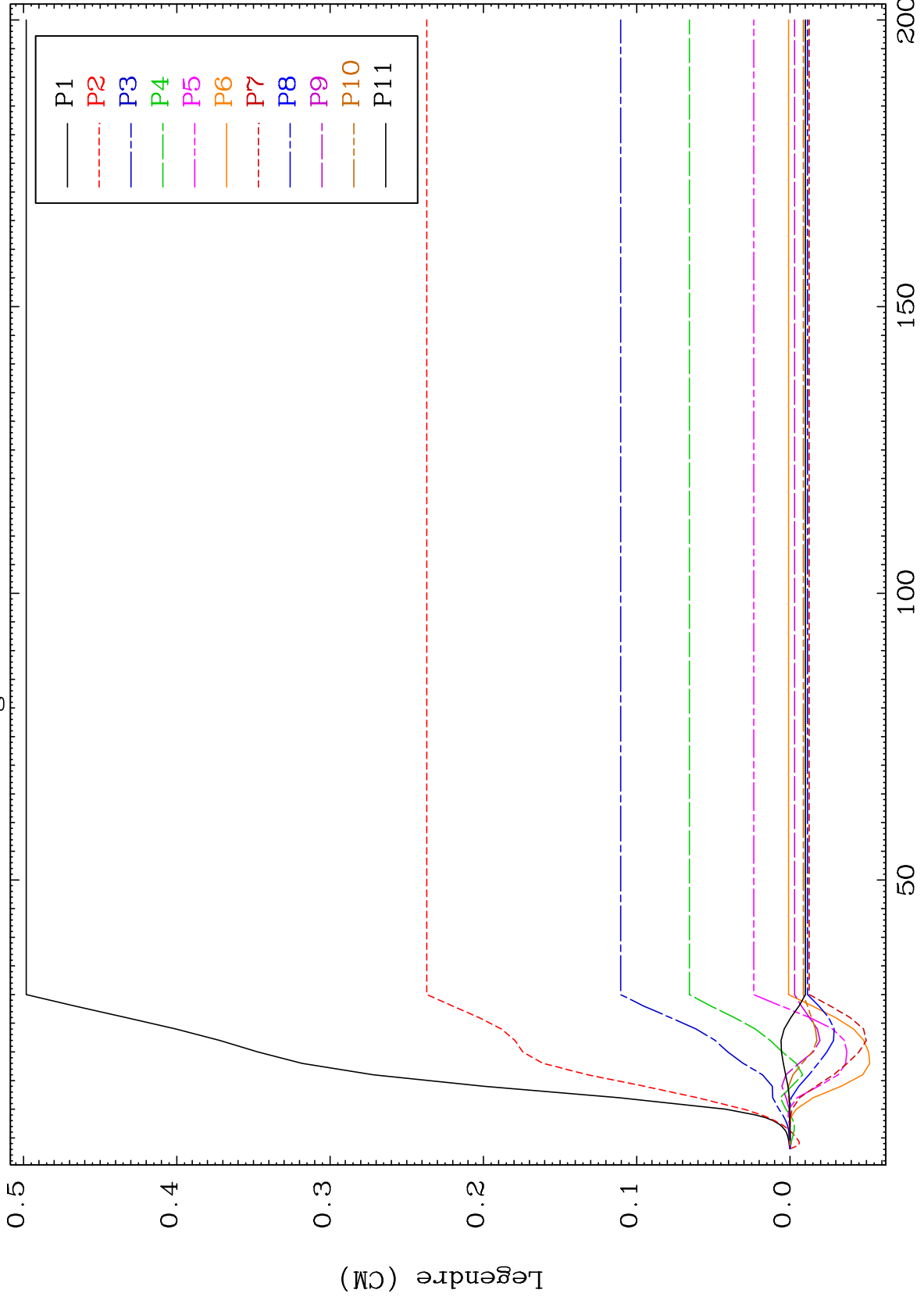


98

Incident Energy (MeV)

28-Ni-59

MAT 2828 MT= 79 (n,n') Level Legendre Coefficients 28-Ni-59

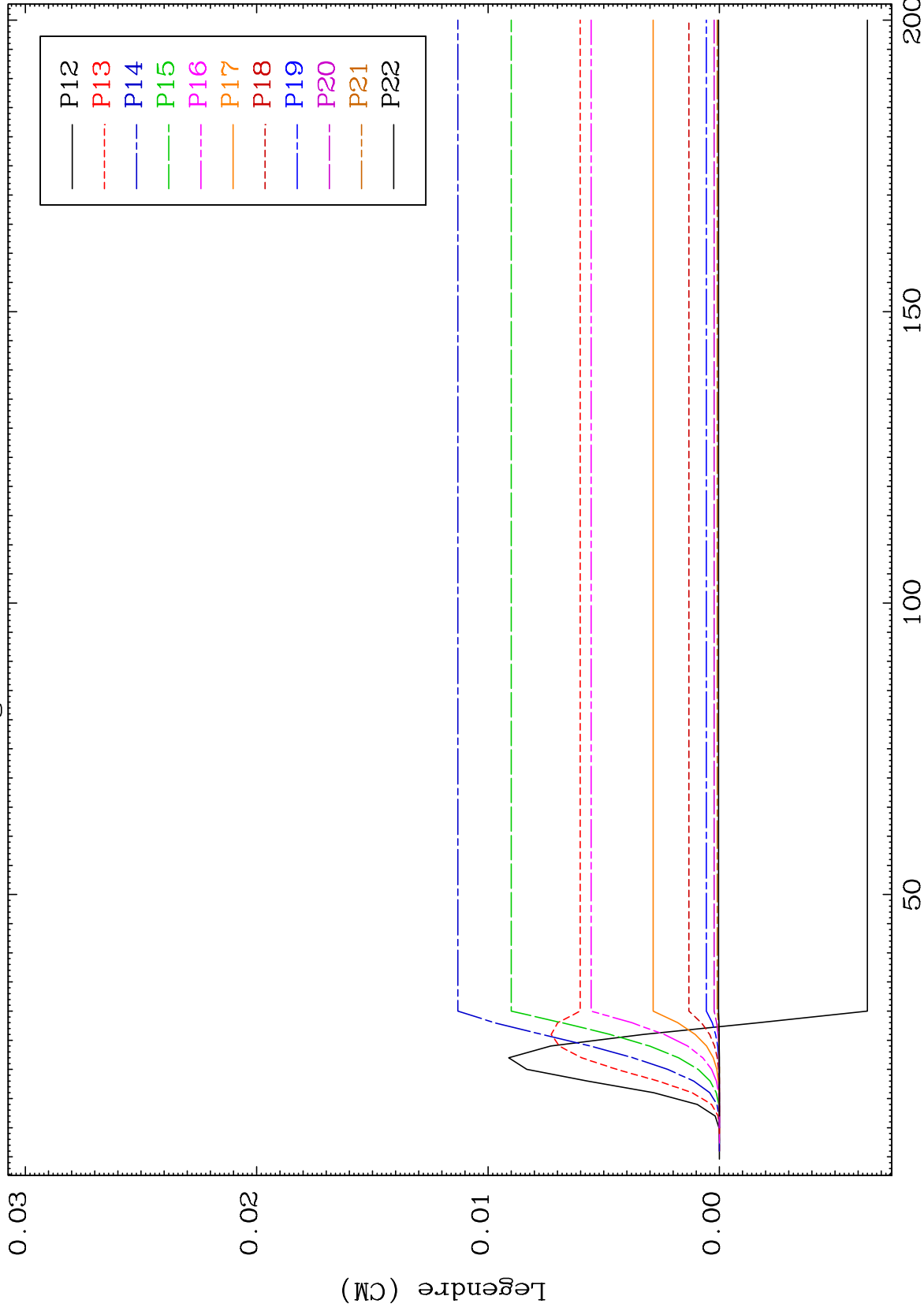


99 28-Ni-59

MAT 2828

MT= 79 (n,n') Level  
Legendre Coefficients

28-Ni-59



100

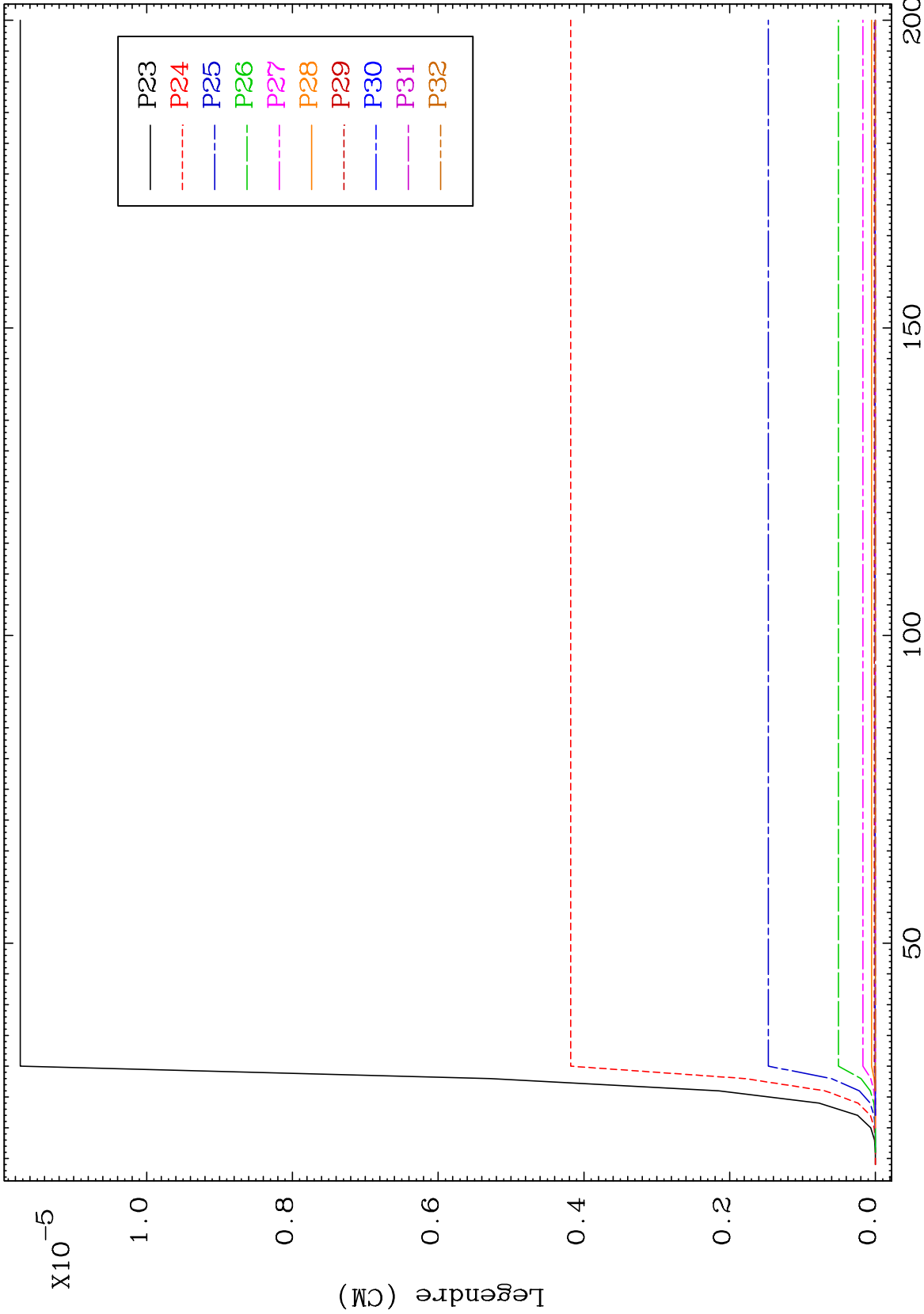
Incident Energy (MeV)

28-Ni-59

MAT 2828

MT= 79 (n,n') Level  
Legendre Coefficients

28-Ni-59

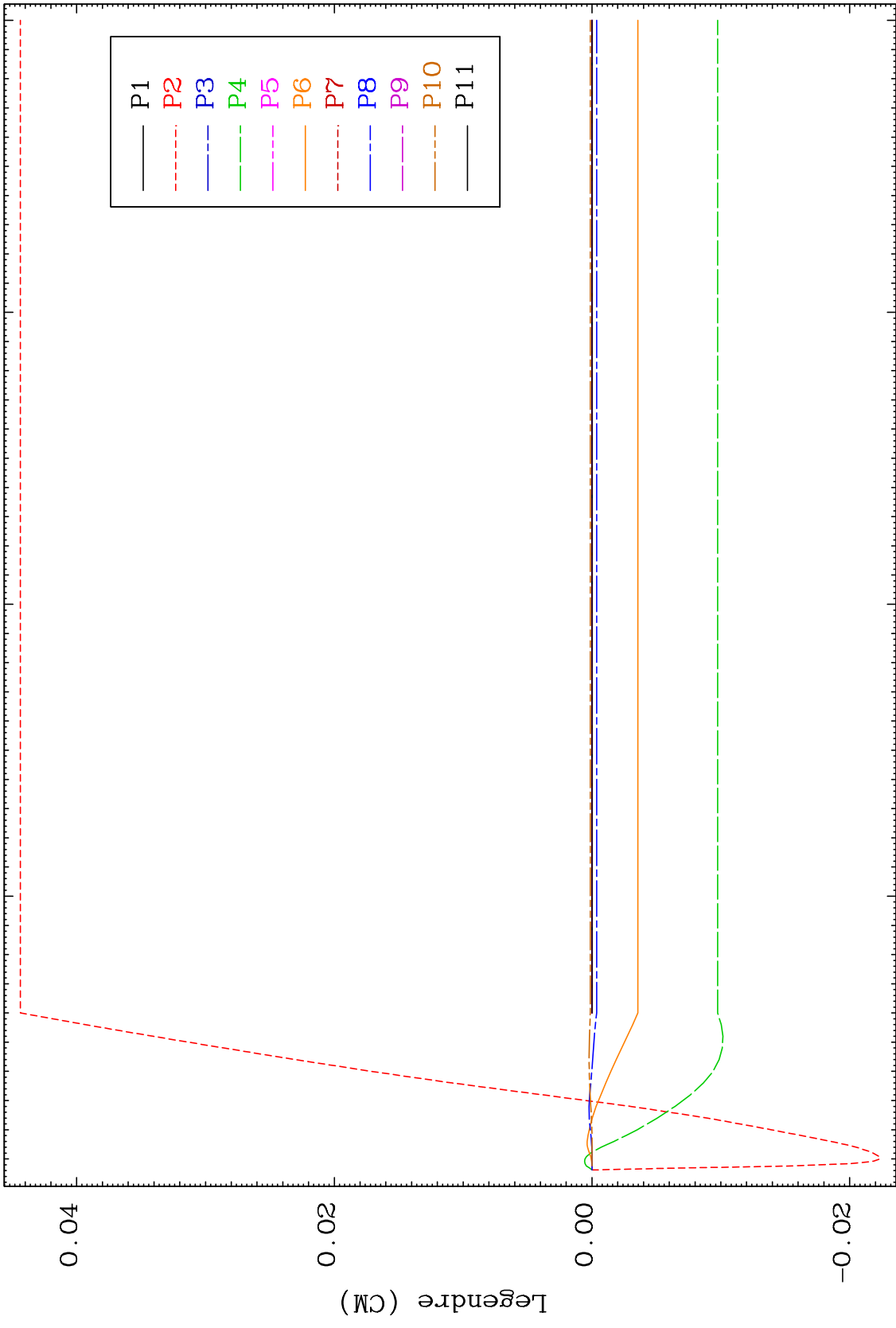


101

Incident Energy (MeV)

28-Ni-59

MAT 2828 MT= 80 (n,n') Level Legendre Coefficients 28-Ni-59

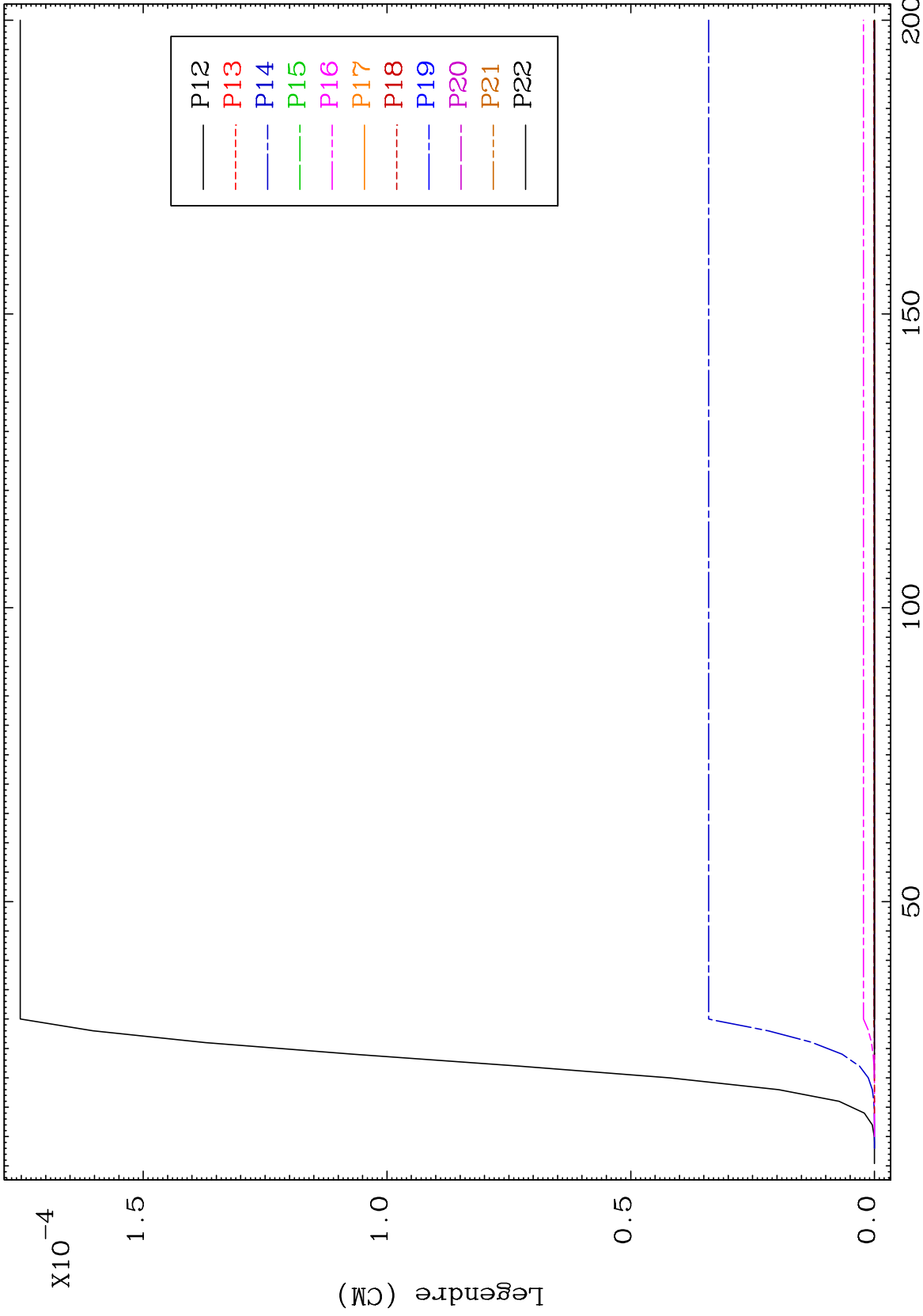


Legendre (CM) Incident Energy (MeV) 28-Ni-59

MAT 2828

MT= 80 (n,n') Level  
Legendre Coefficients

28-Ni-59



103

Incident Energy (MeV)

28-Ni-59

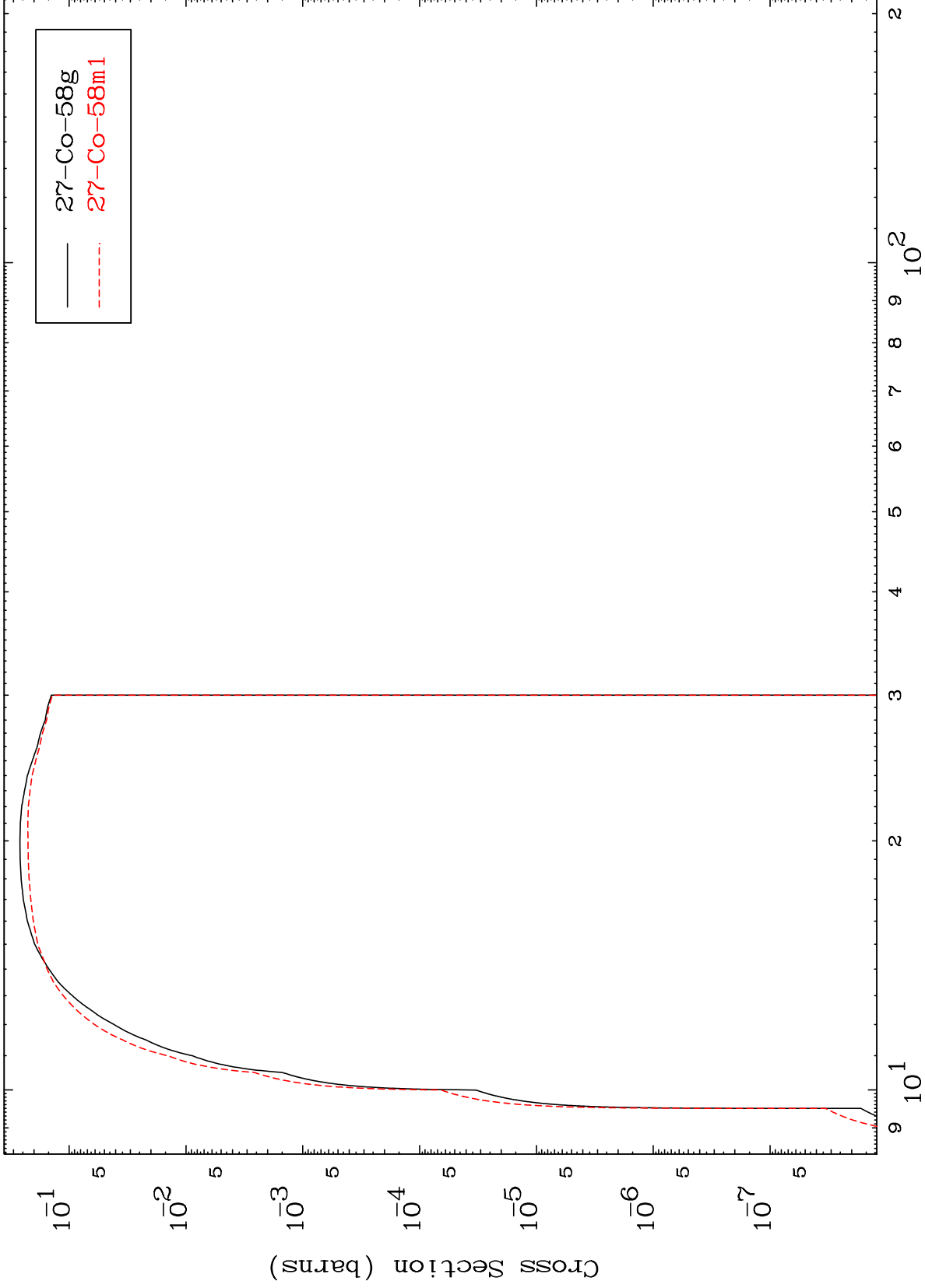


MAT 2828

(n,n') p

28-Ni-59

Radionuclide Production Cross Section



104

Incident Energy (MeV)

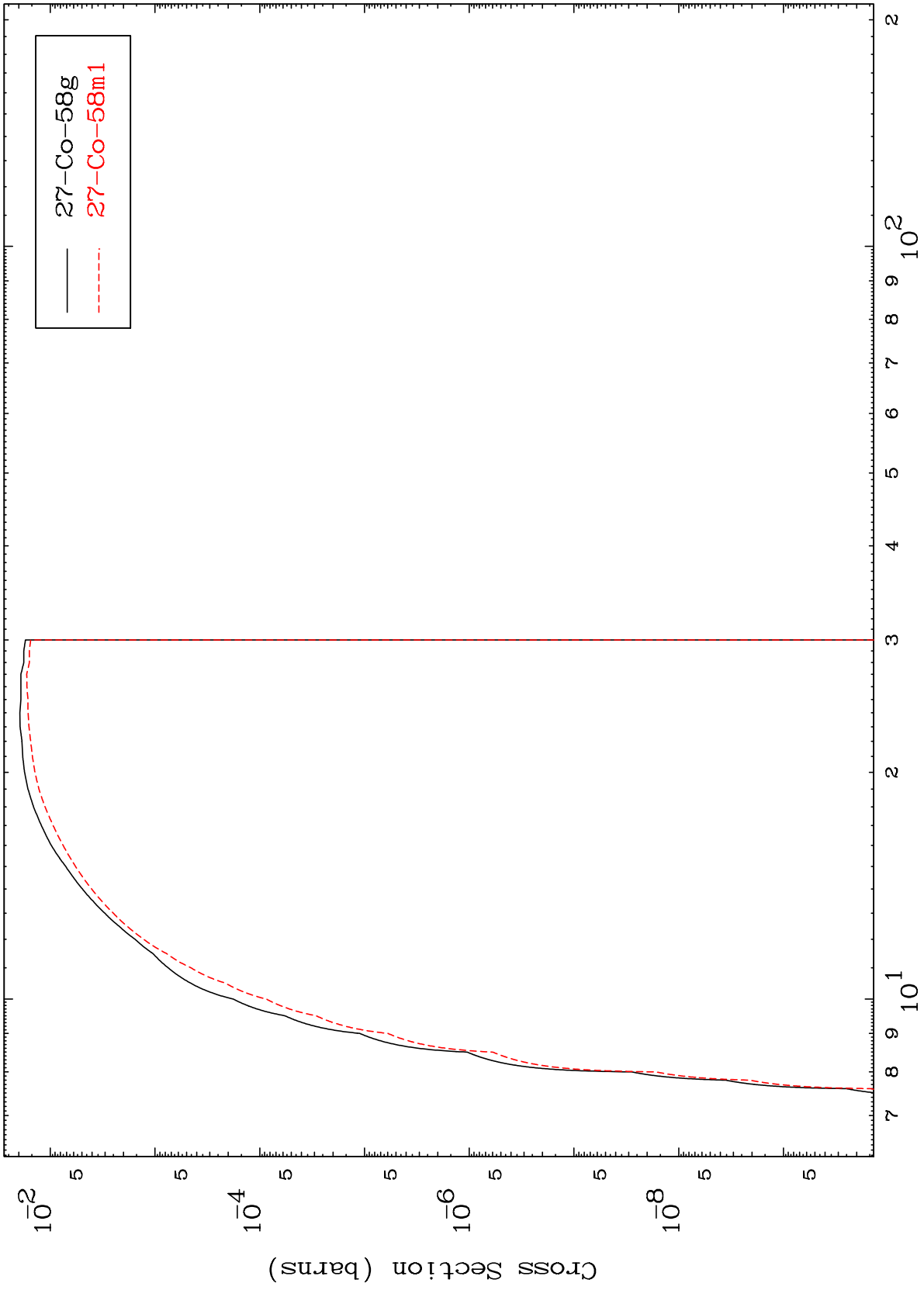
28-Ni-59

MAT 2828

(n,d)

<sup>28</sup>Ni-59

Radionuclide Production Cross Section



105

Incident Energy (MeV)

<sup>28</sup>Ni-59