

Program EVALPLOT  
(Version 2017-1)

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

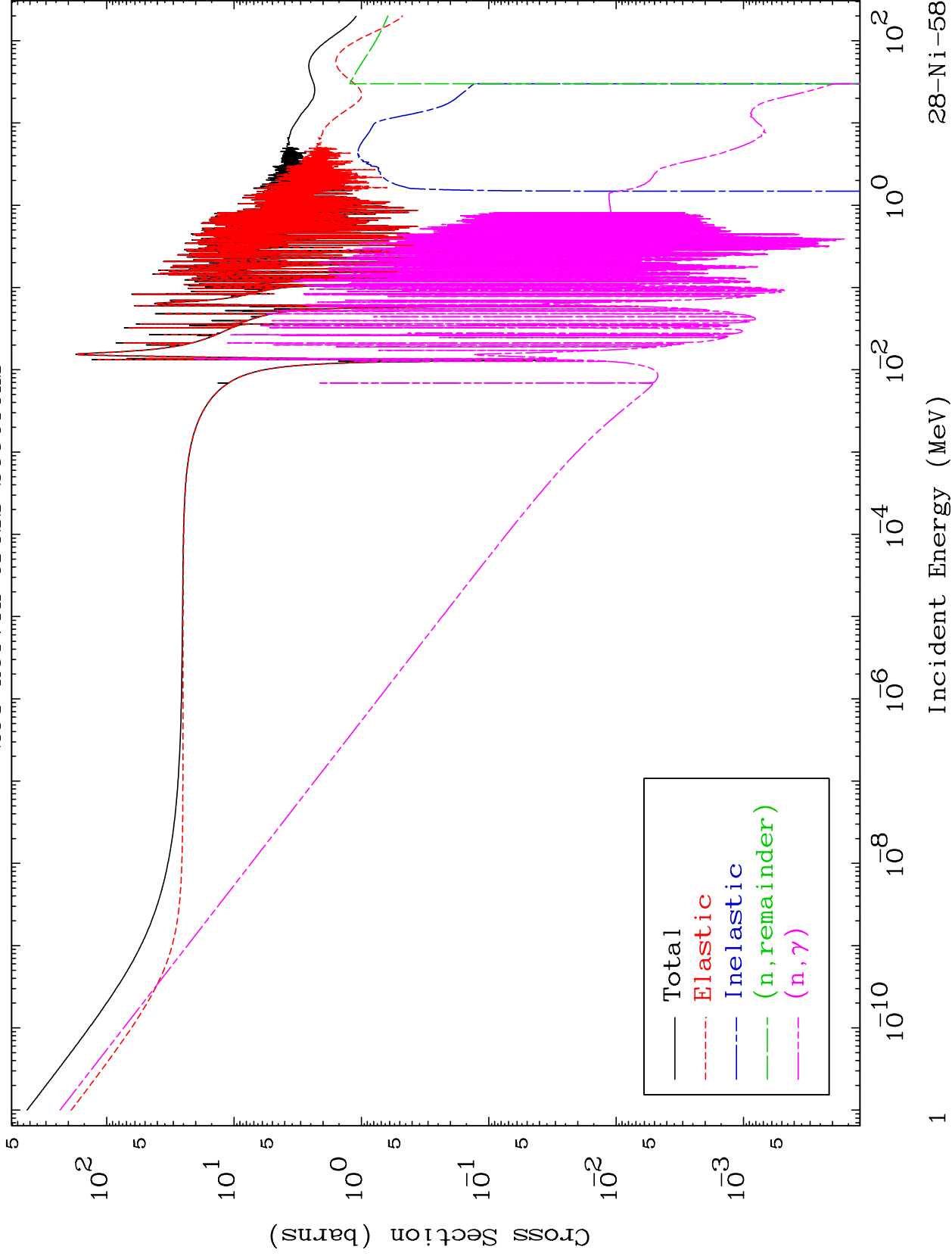
Press Mouse Button to Start

MAT 2825

Major

293 Kelvin Cross Sections

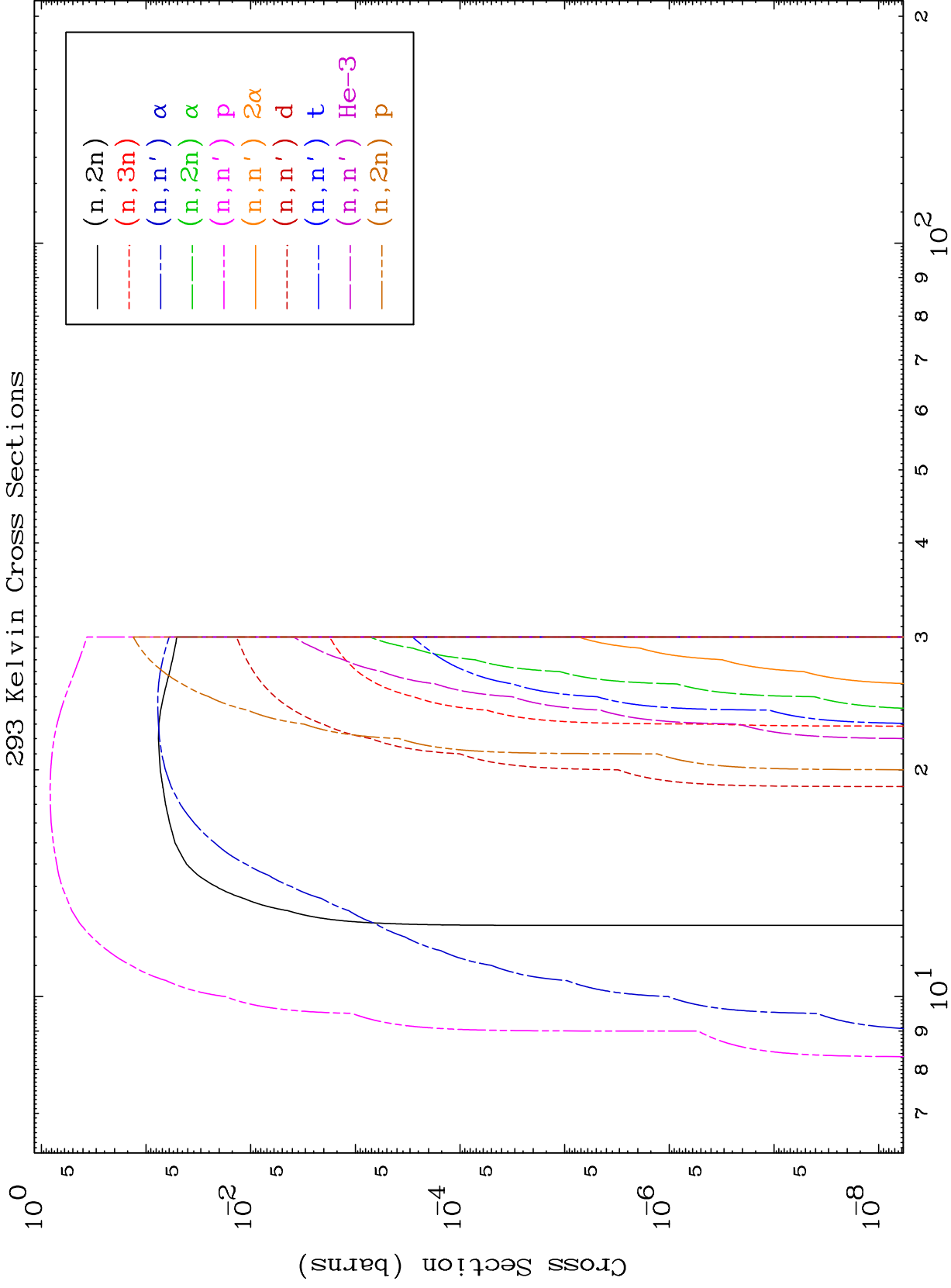
28-Ni-58



MAT 2825

Neutron Production  
293 Kelvin Cross Sections

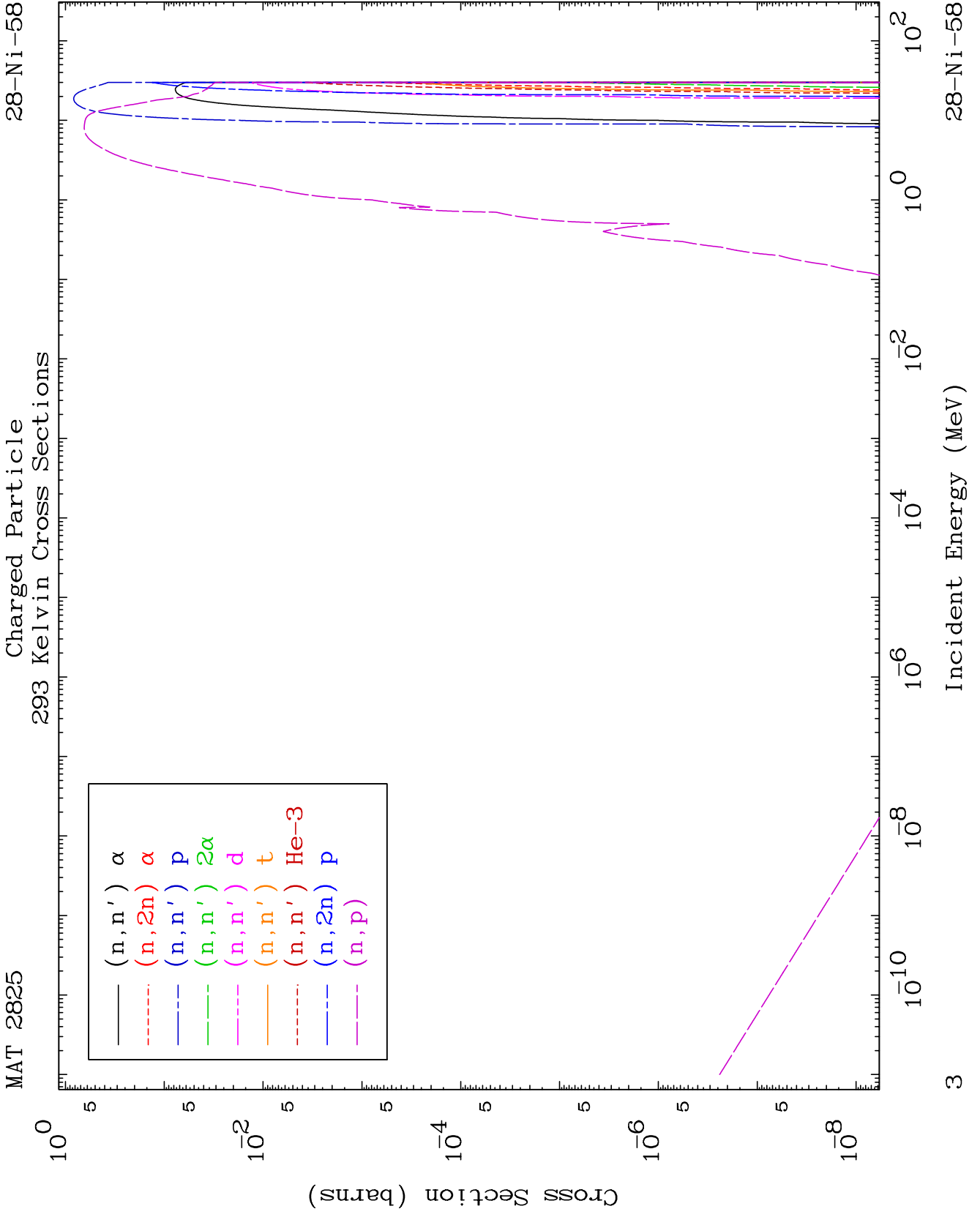
28-Ni-58



2

Incident Energy (MeV)

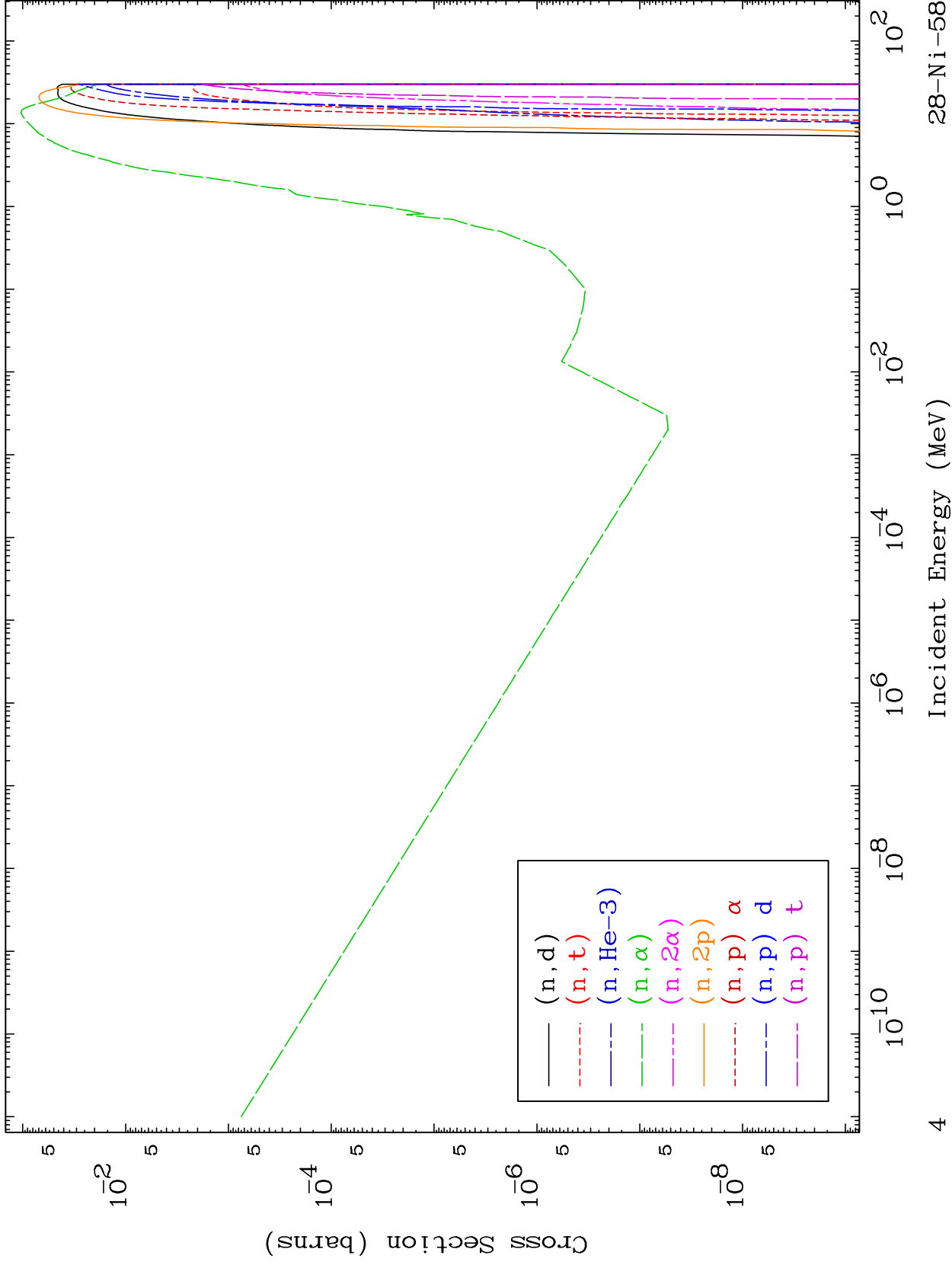
28-Ni-58



MAT 2825

Charged Particle  
293 Kelvin Cross Sections

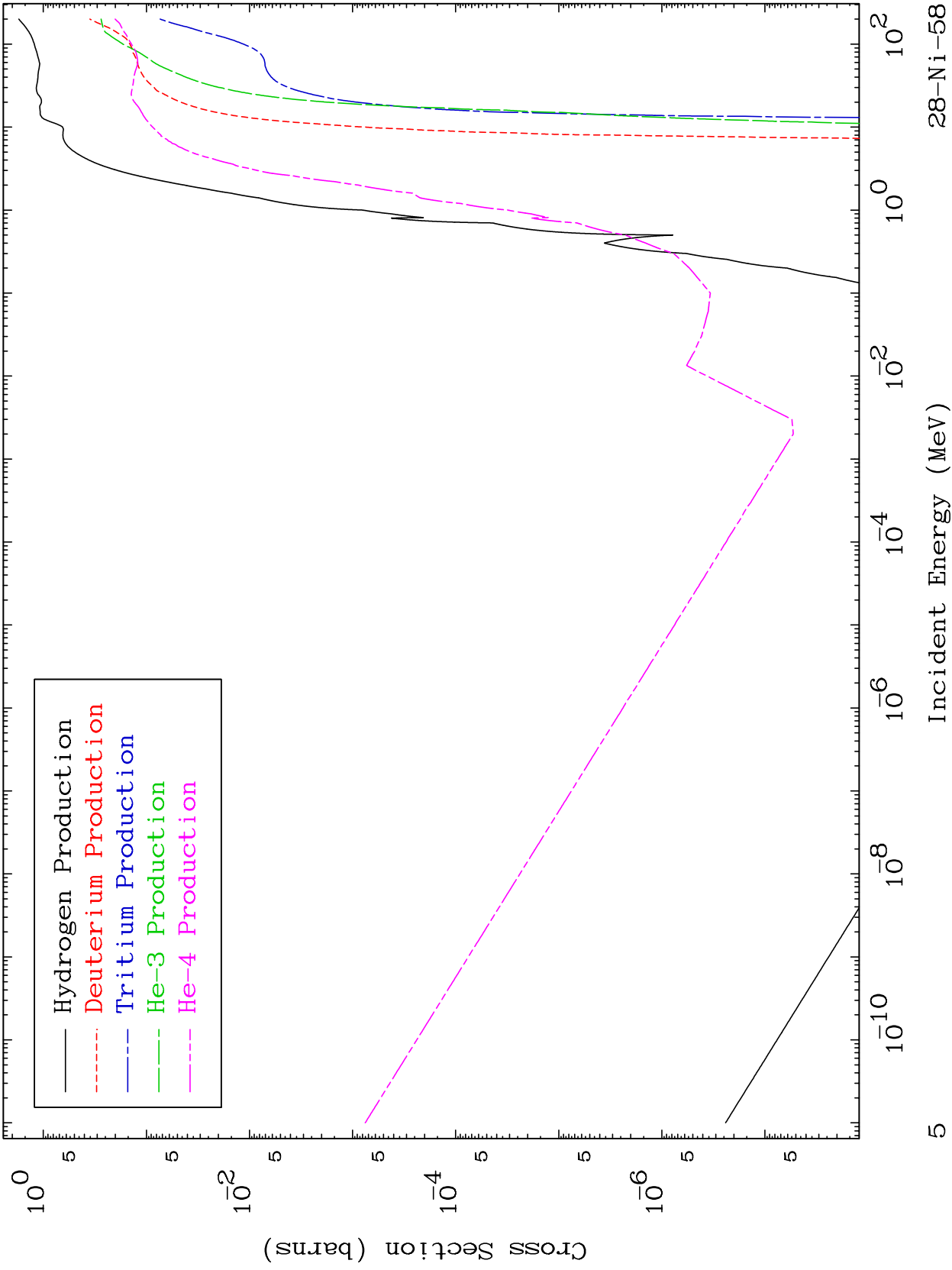
28-Ni-58



MAT 2825

Particle Production  
293 Kelvin Cross Sections

28-Ni-58



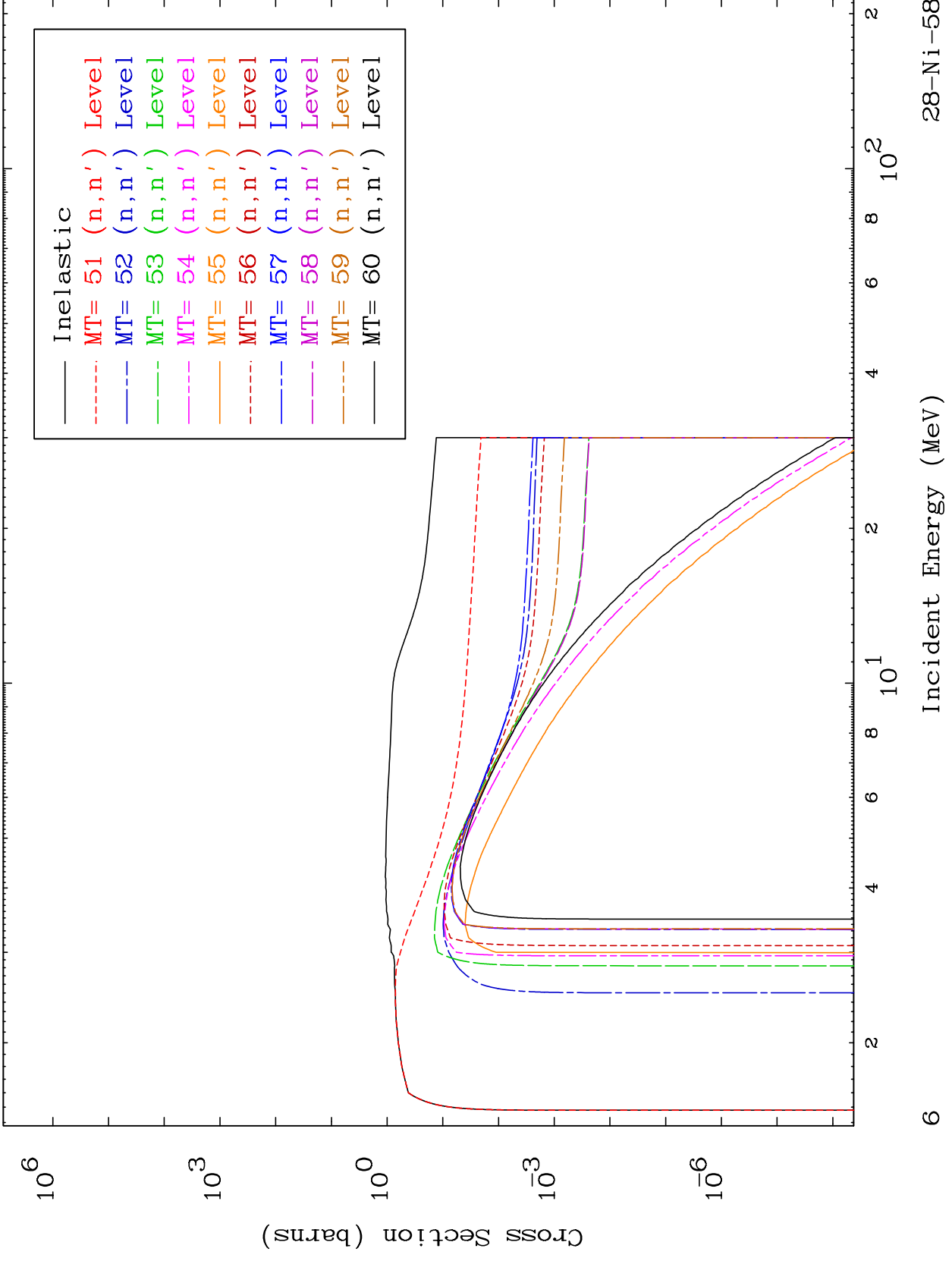
5

MAT 2825

(n,n') Level

28-Ni-58

293 Kelvin Cross Sections



6

Incident Energy (MeV)

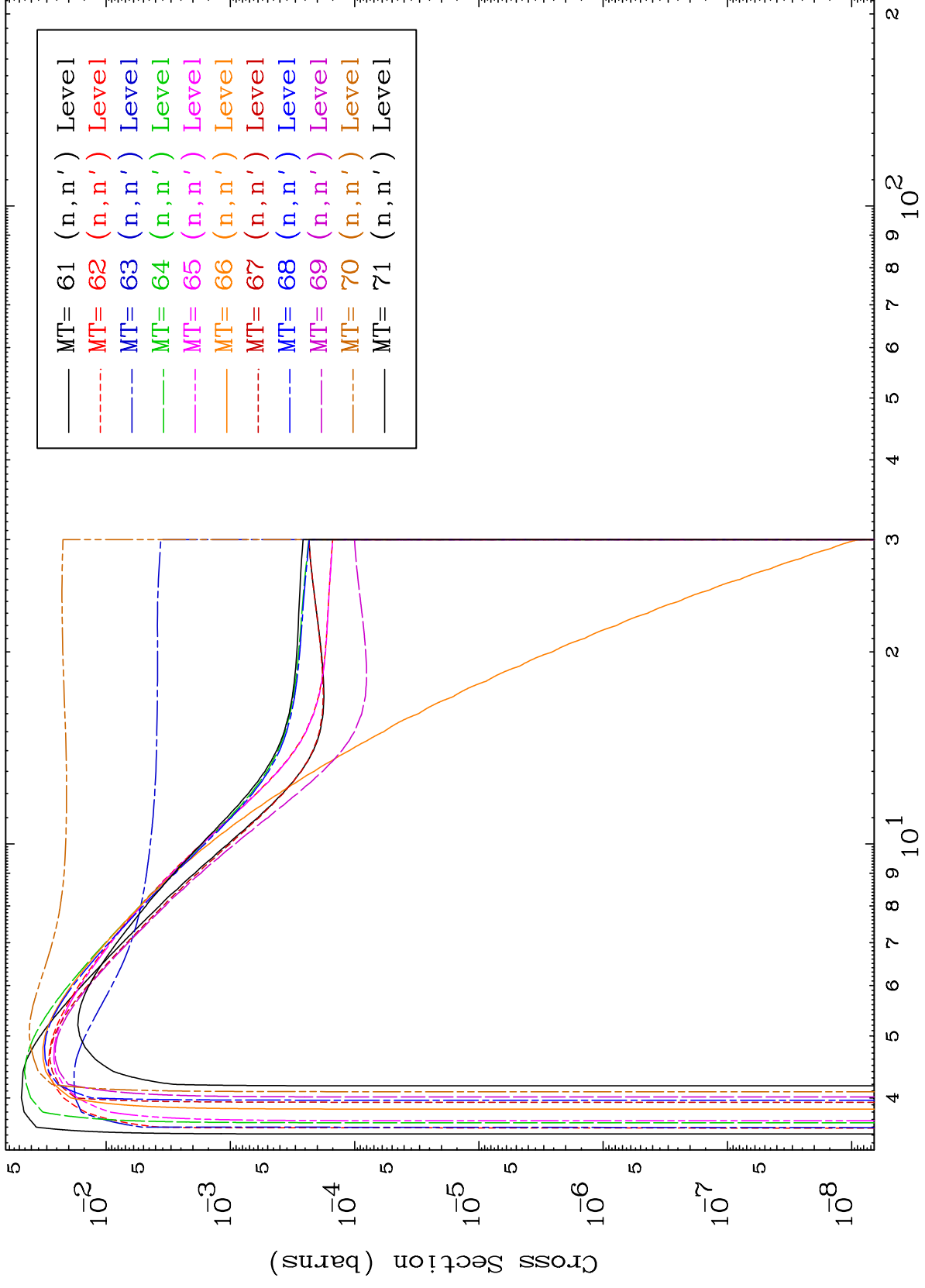
28-Ni-58

MAT 2825

(n,n') Level

28-Ni-58

293 Kelvin Cross Sections



Incident Energy (MeV)

28-Ni-58

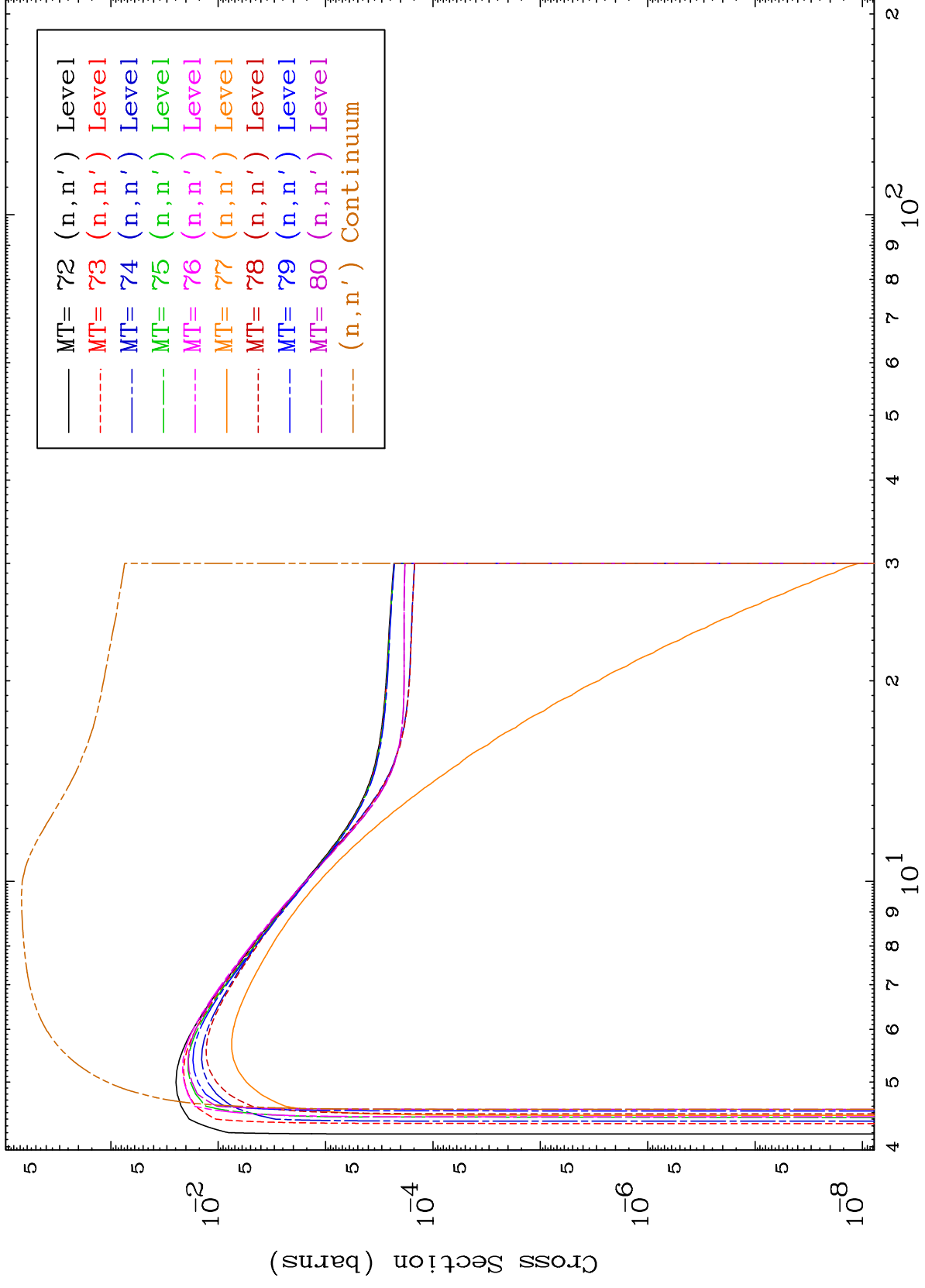


MAT 2825

(n,n') Level

28-Ni-58

293 Kelvin Cross Sections



Incident Energy (MeV)

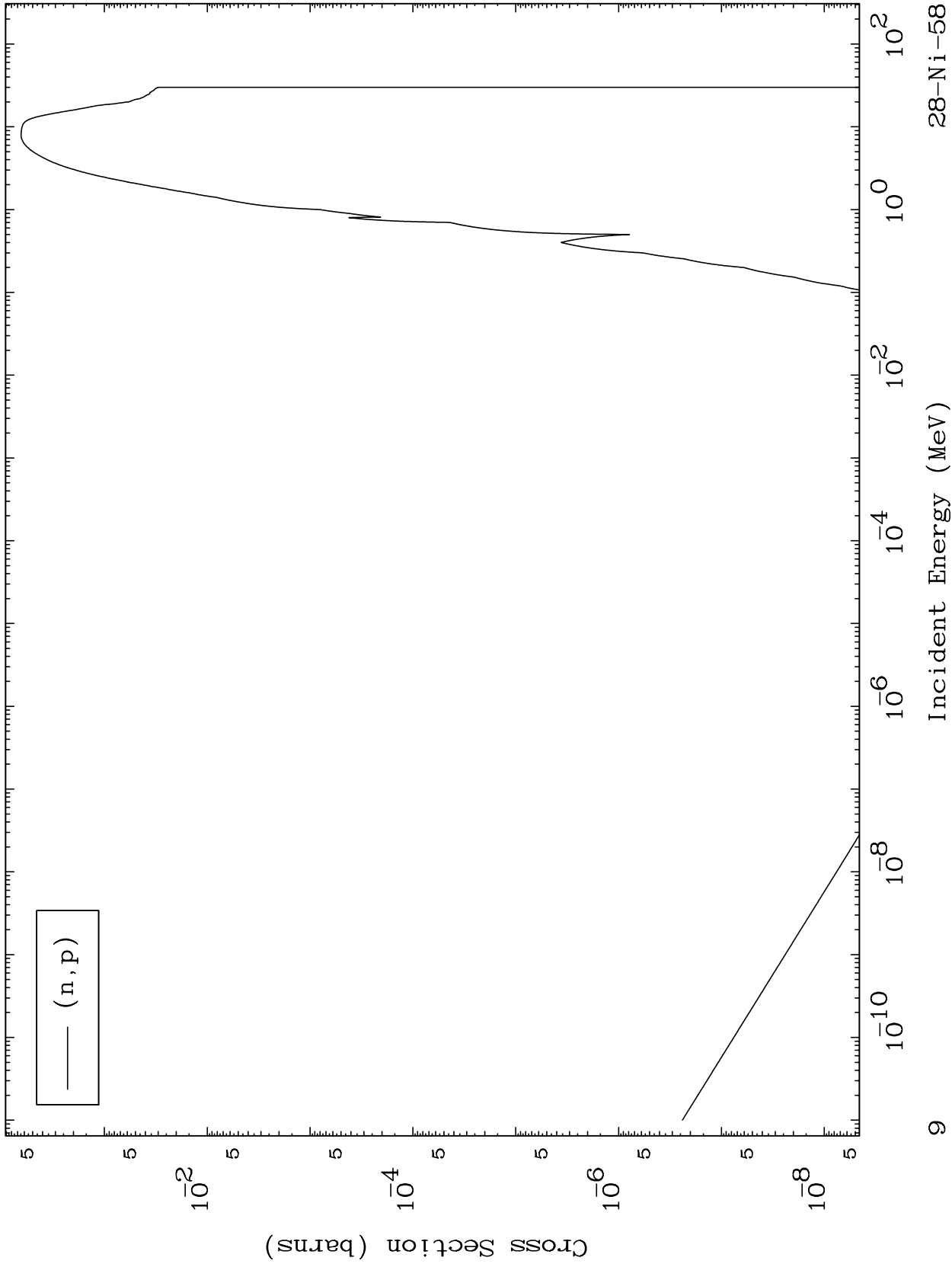
28-Ni-58

8

MAT 2825

(n,p) Levels  
293 Kelvin Cross Sections

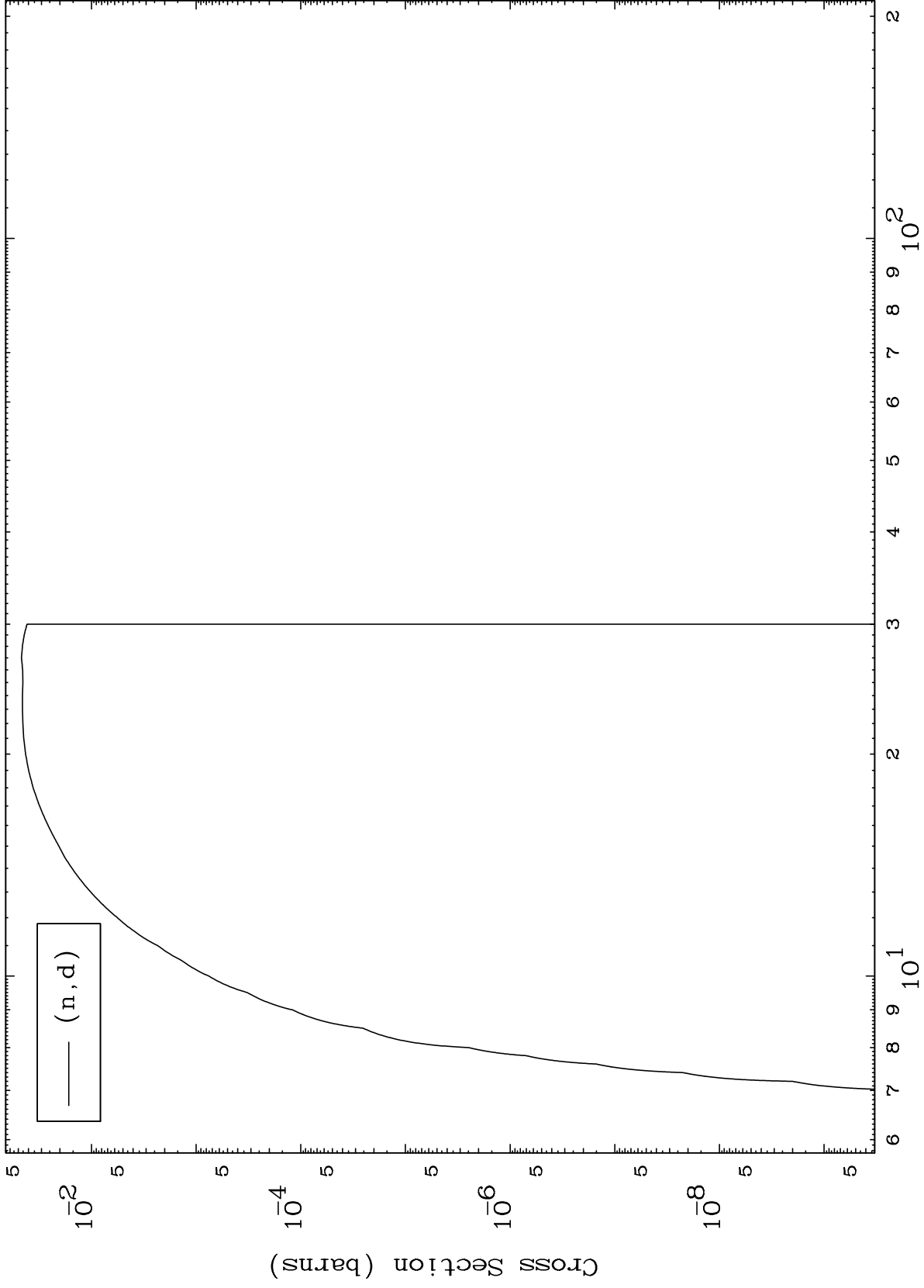
28-Ni-58



MAT 2825

(n,d) Levels  
293 Kelvin Cross Sections

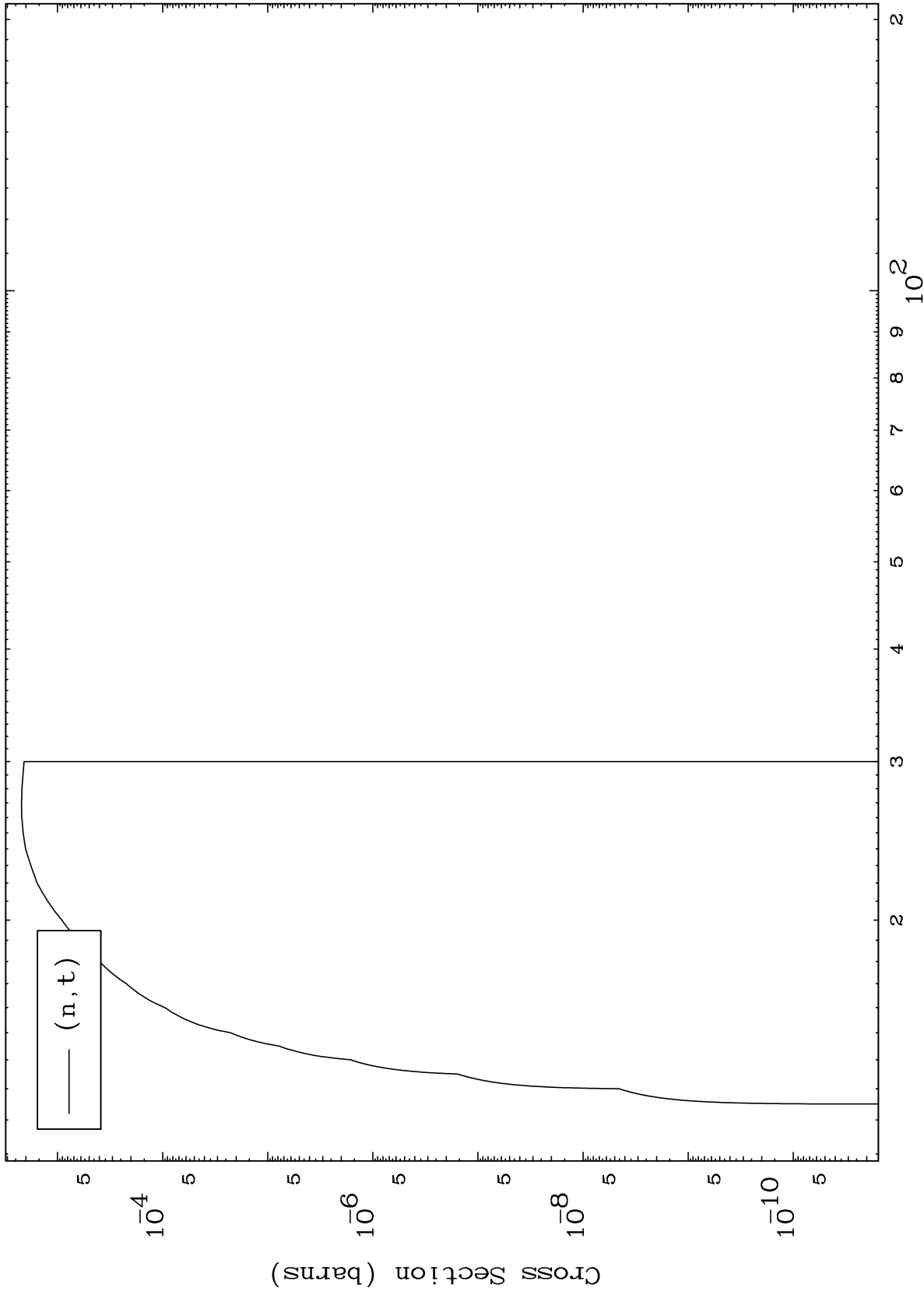
28-Ni-58



28-Ni-58

Incident Energy (MeV)

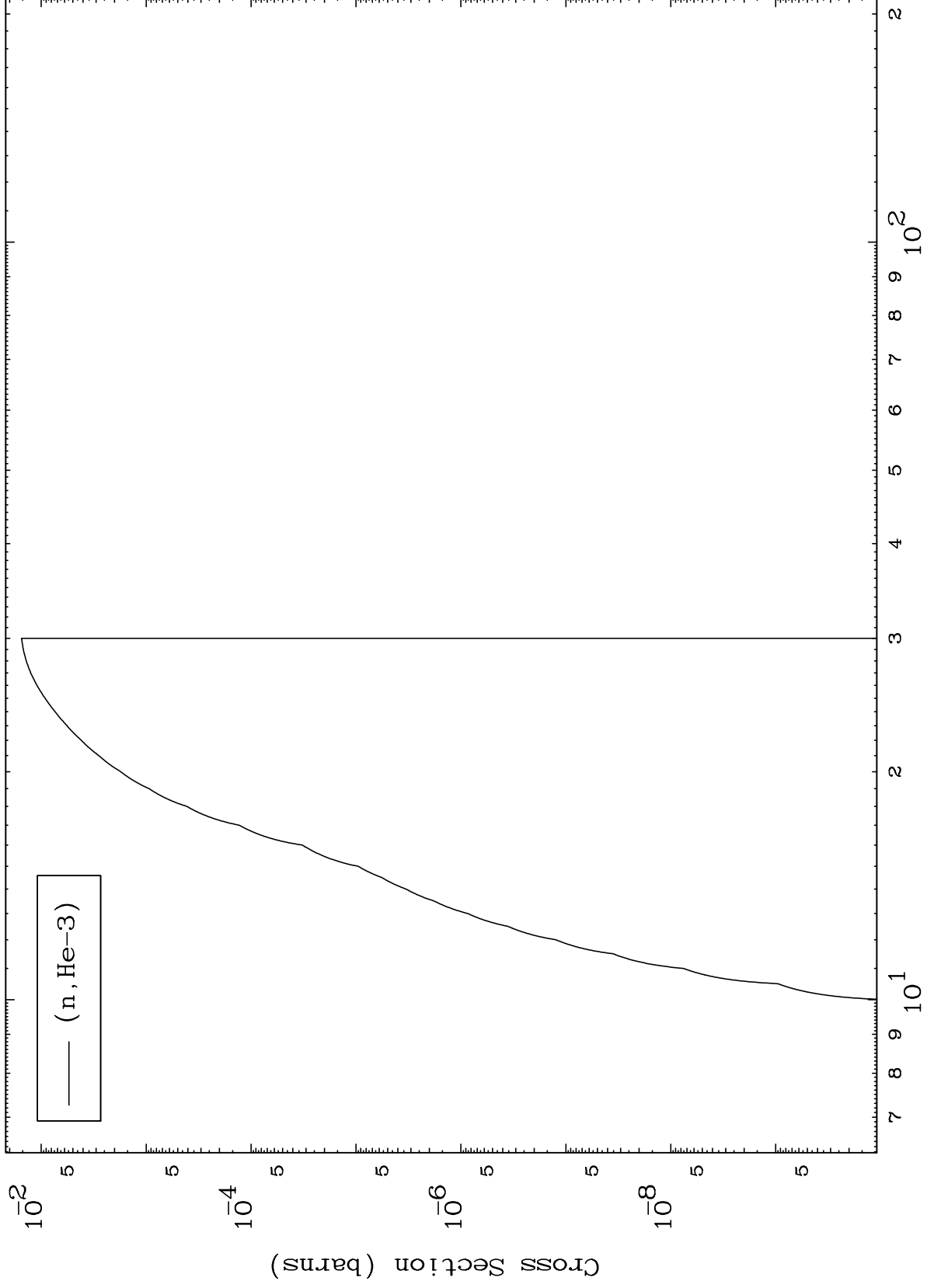
10



MAT 2825

(n,He3) Levels  
293 Kelvin Cross Sections

28-Ni-58



12

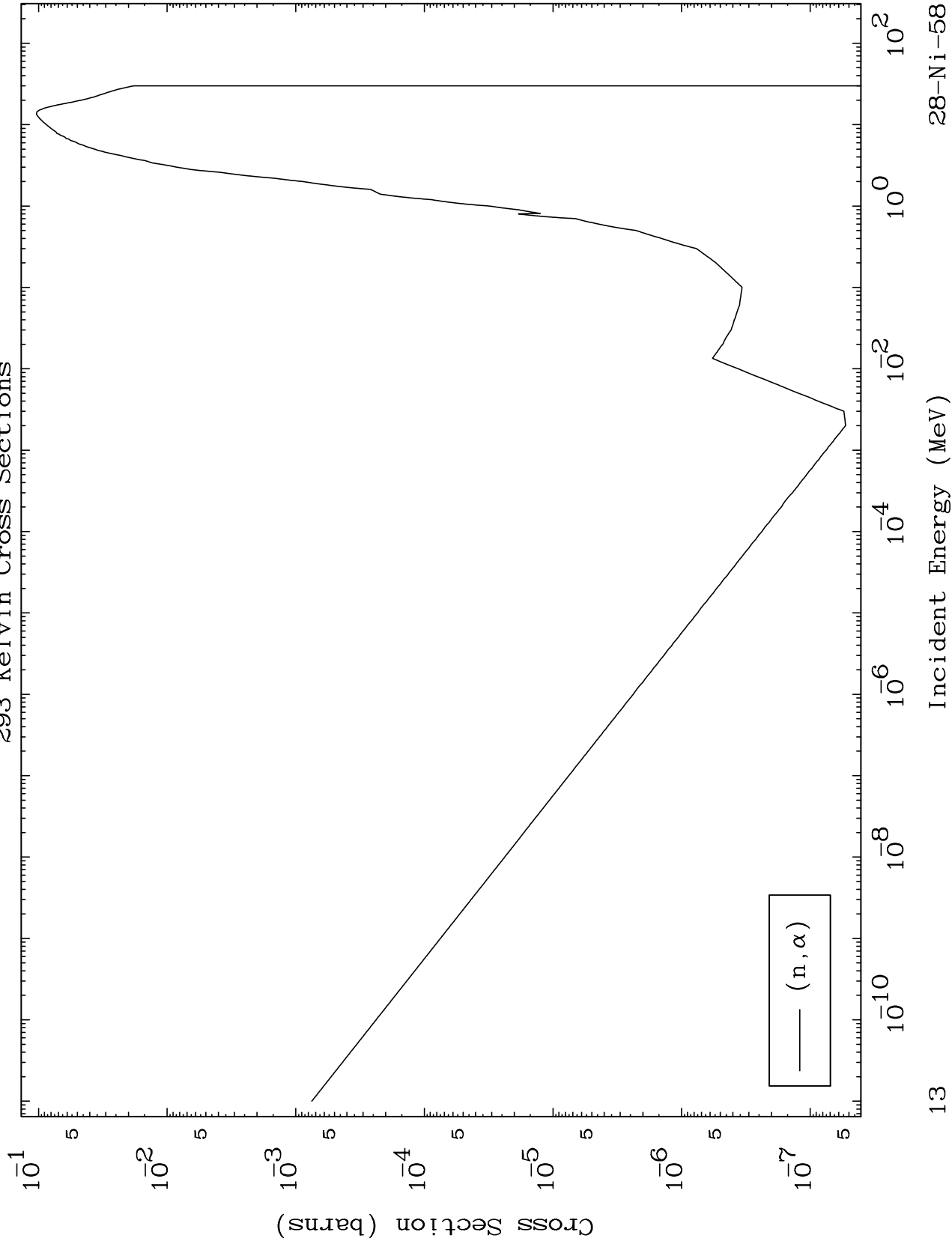
Incident Energy (MeV)

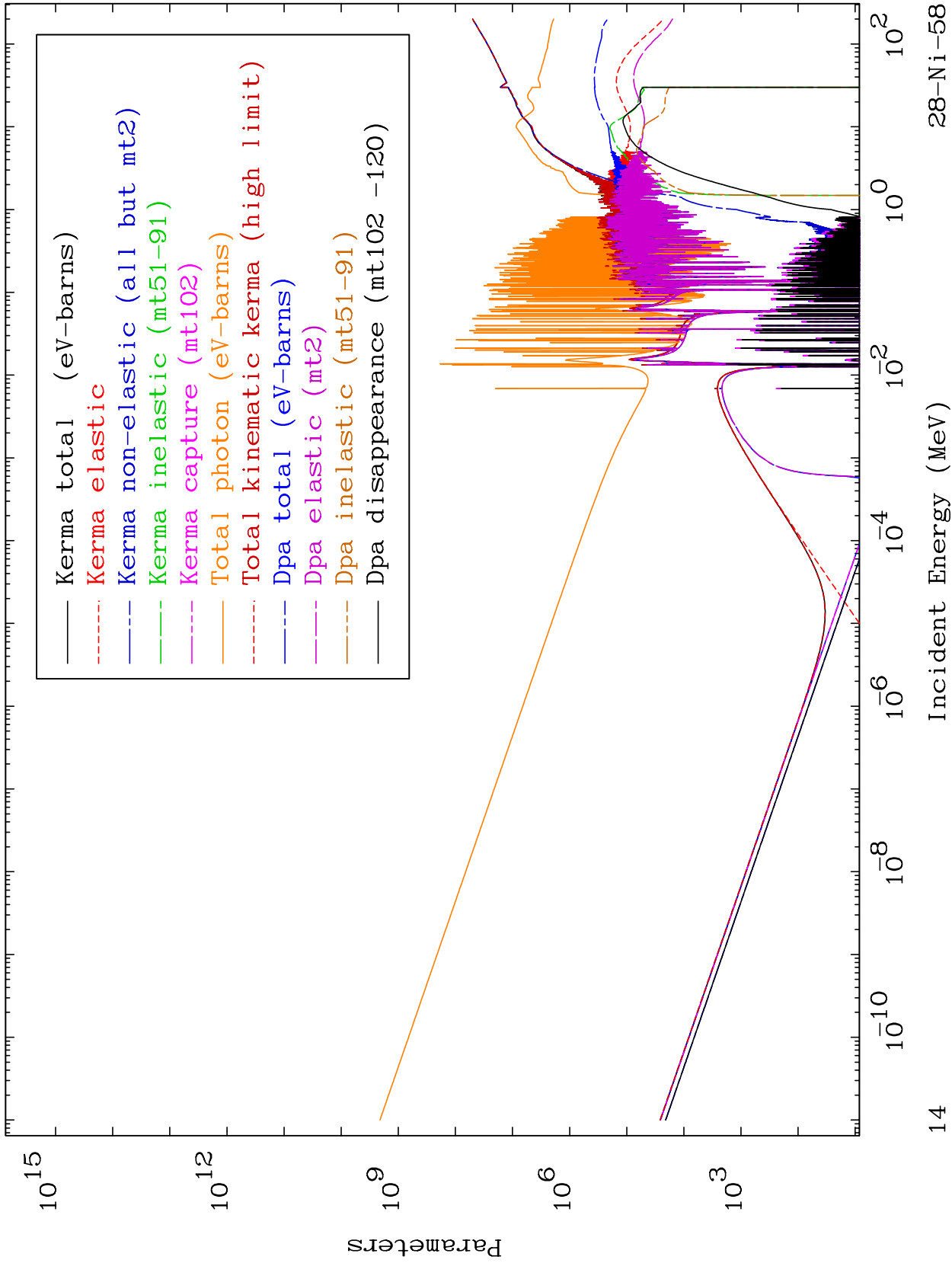
28-Ni-58

MAT 2825

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

28-Ni-58

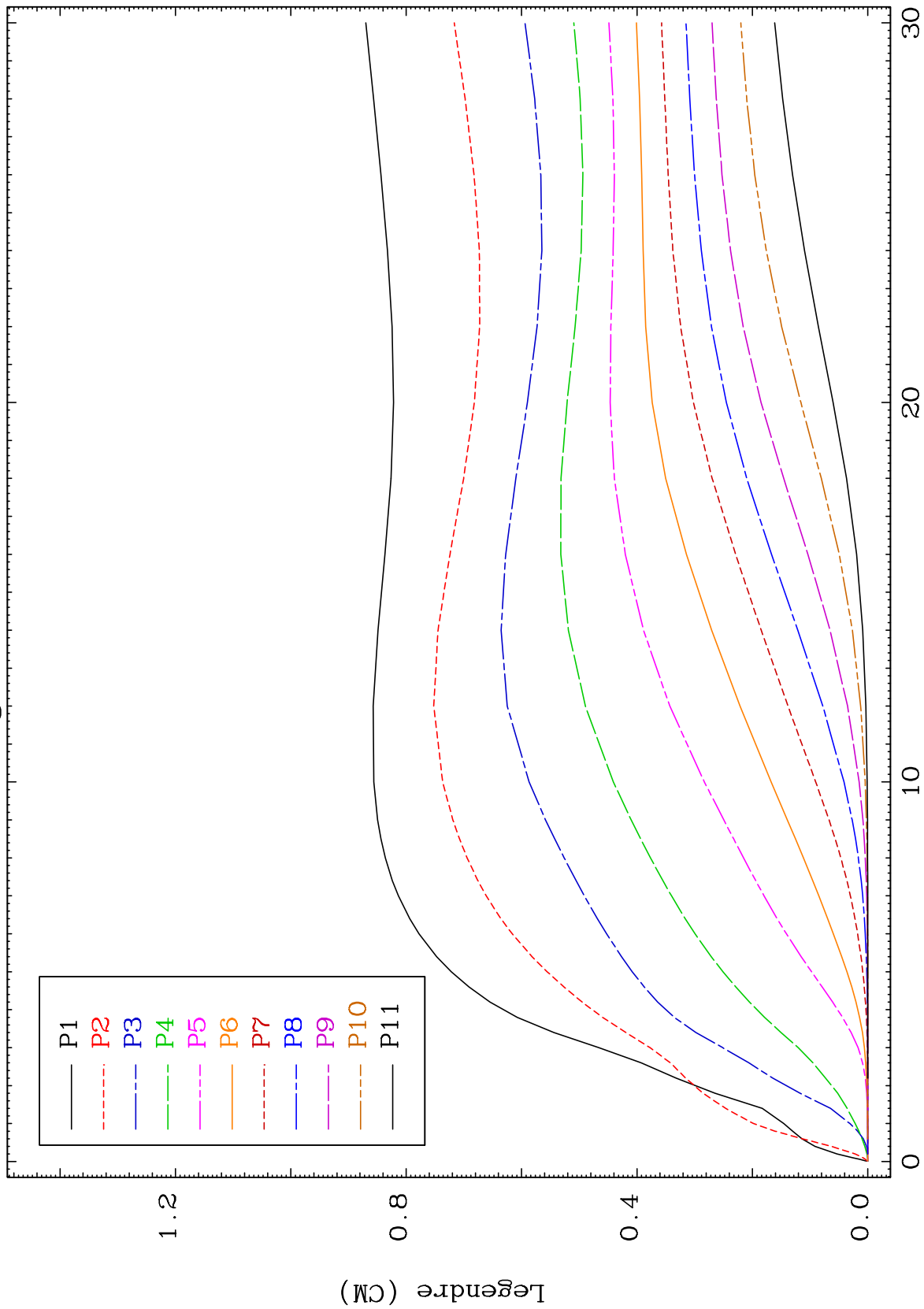




MAT 2825

Elastic Legendre Coefficients

<sup>28</sup>Ni-58

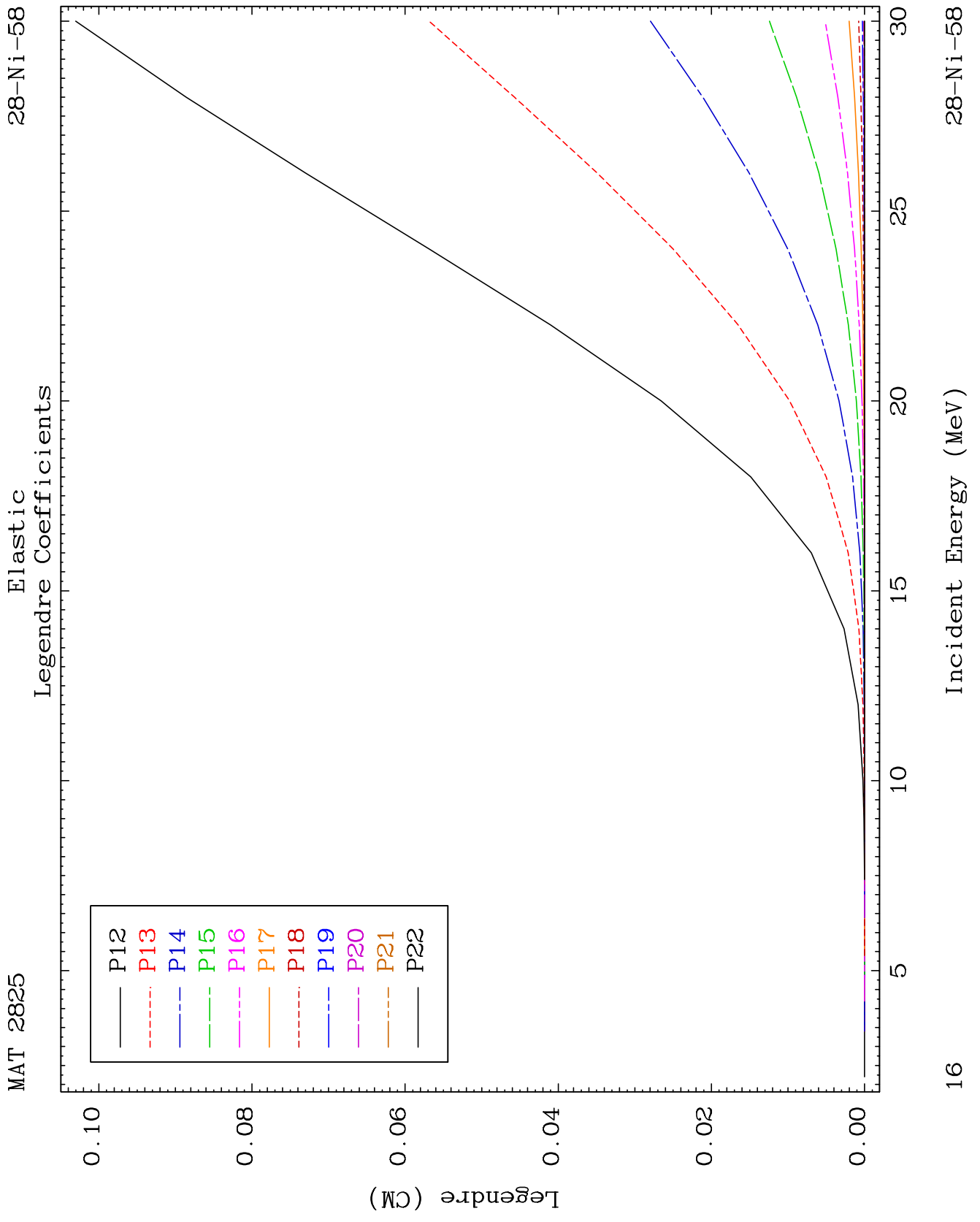


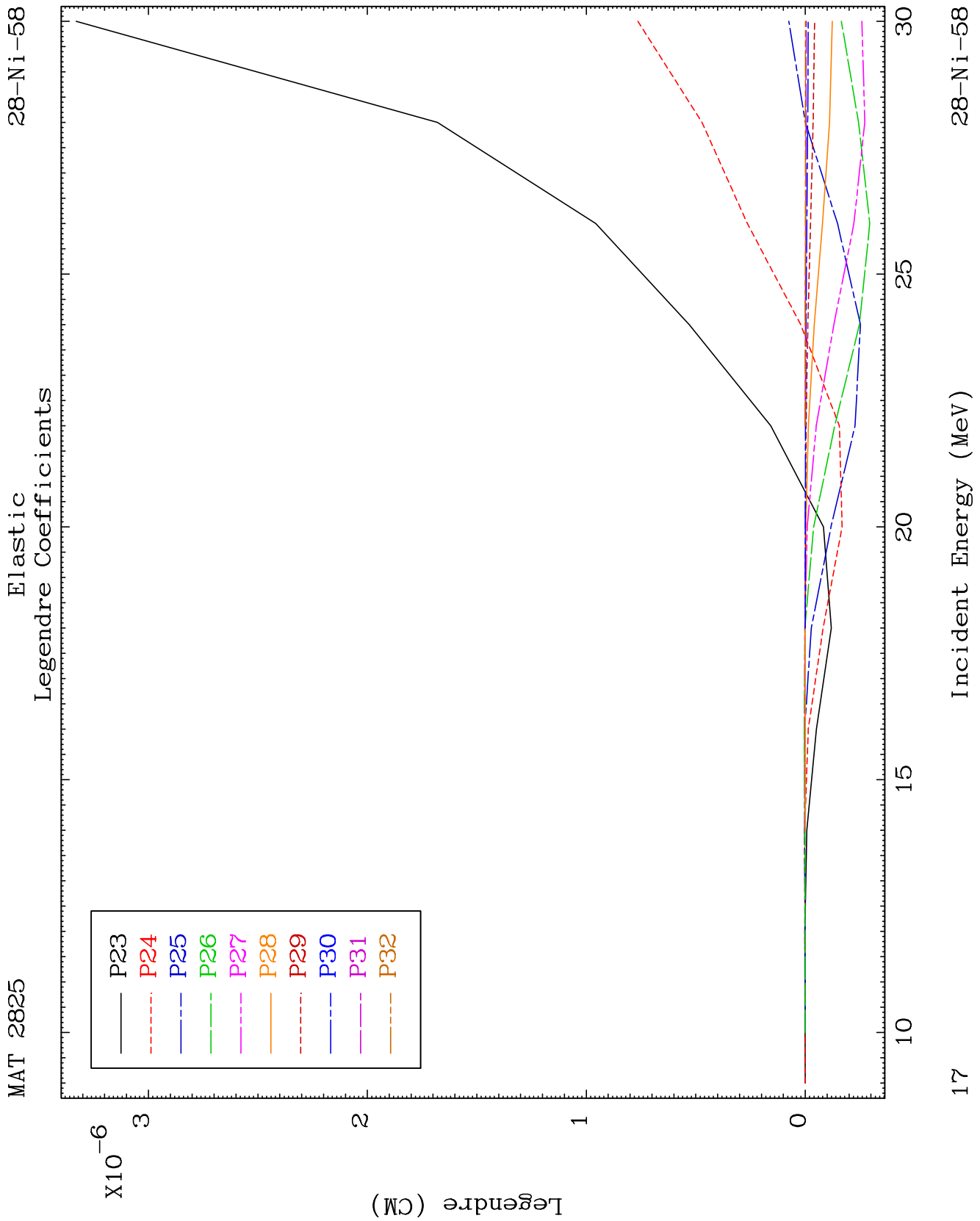
15

Incident Energy (MeV)

<sup>28</sup>Ni-58



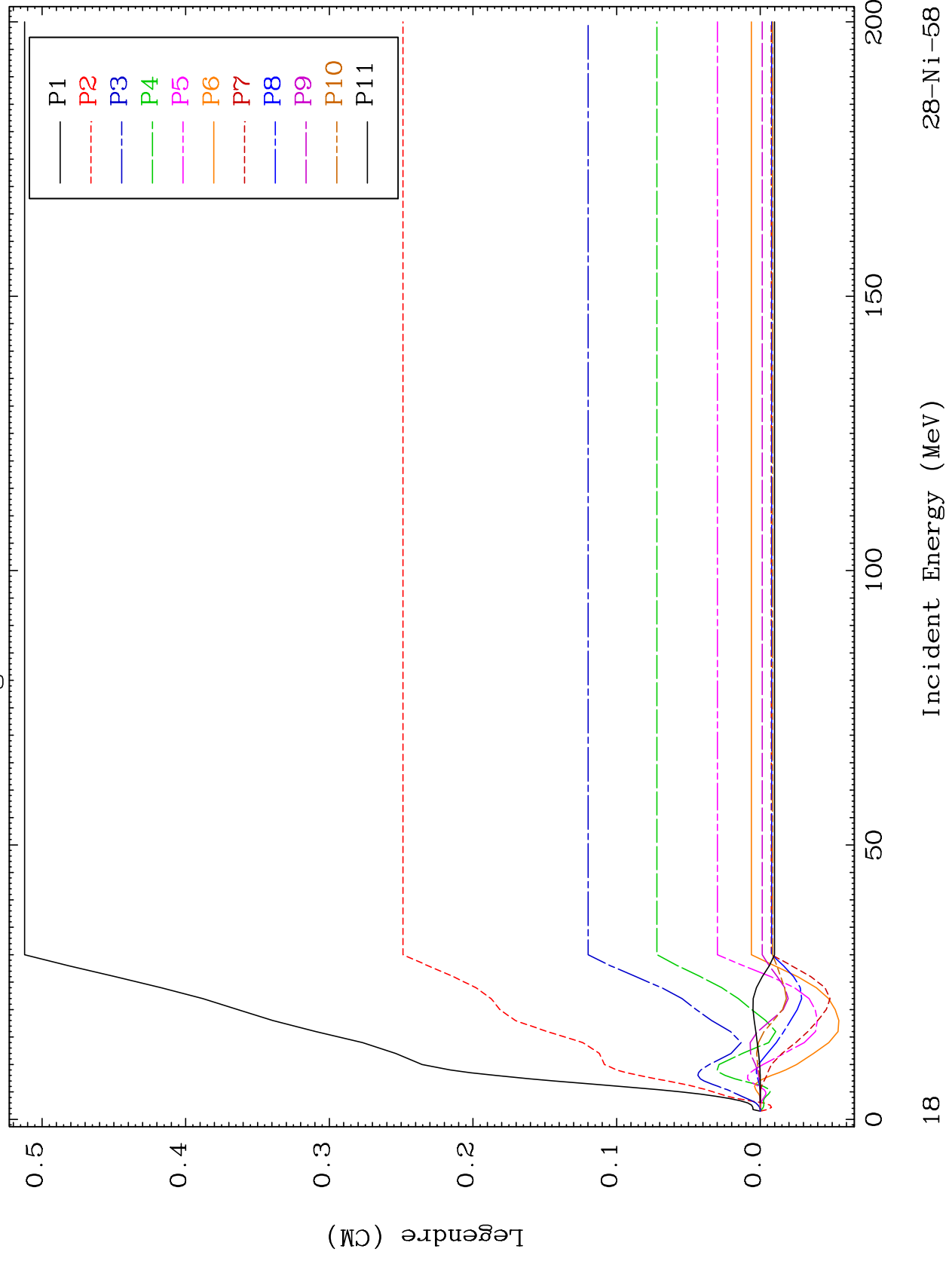




MAT 2825

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

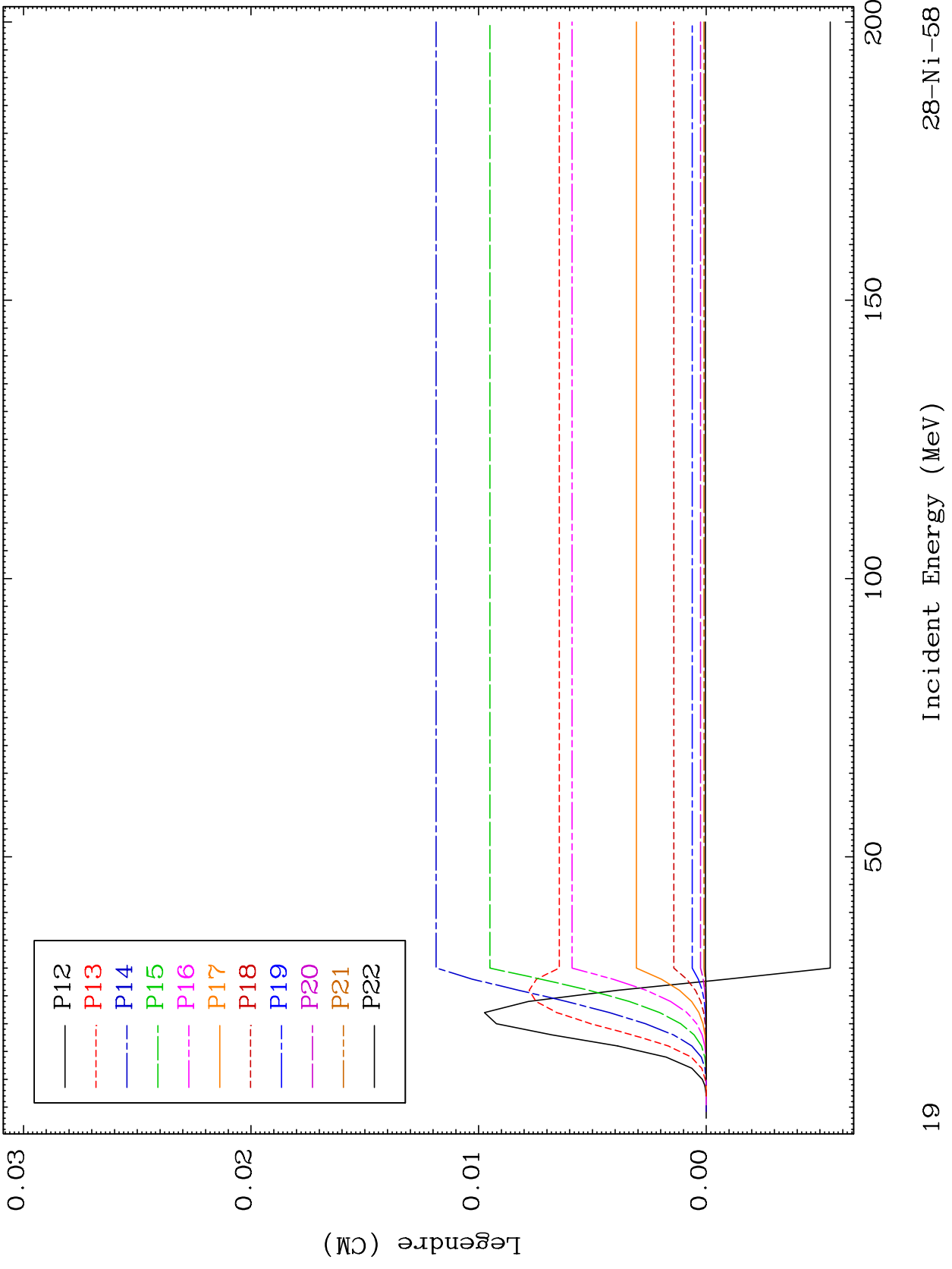
28-Ni-58



MAT 2825

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

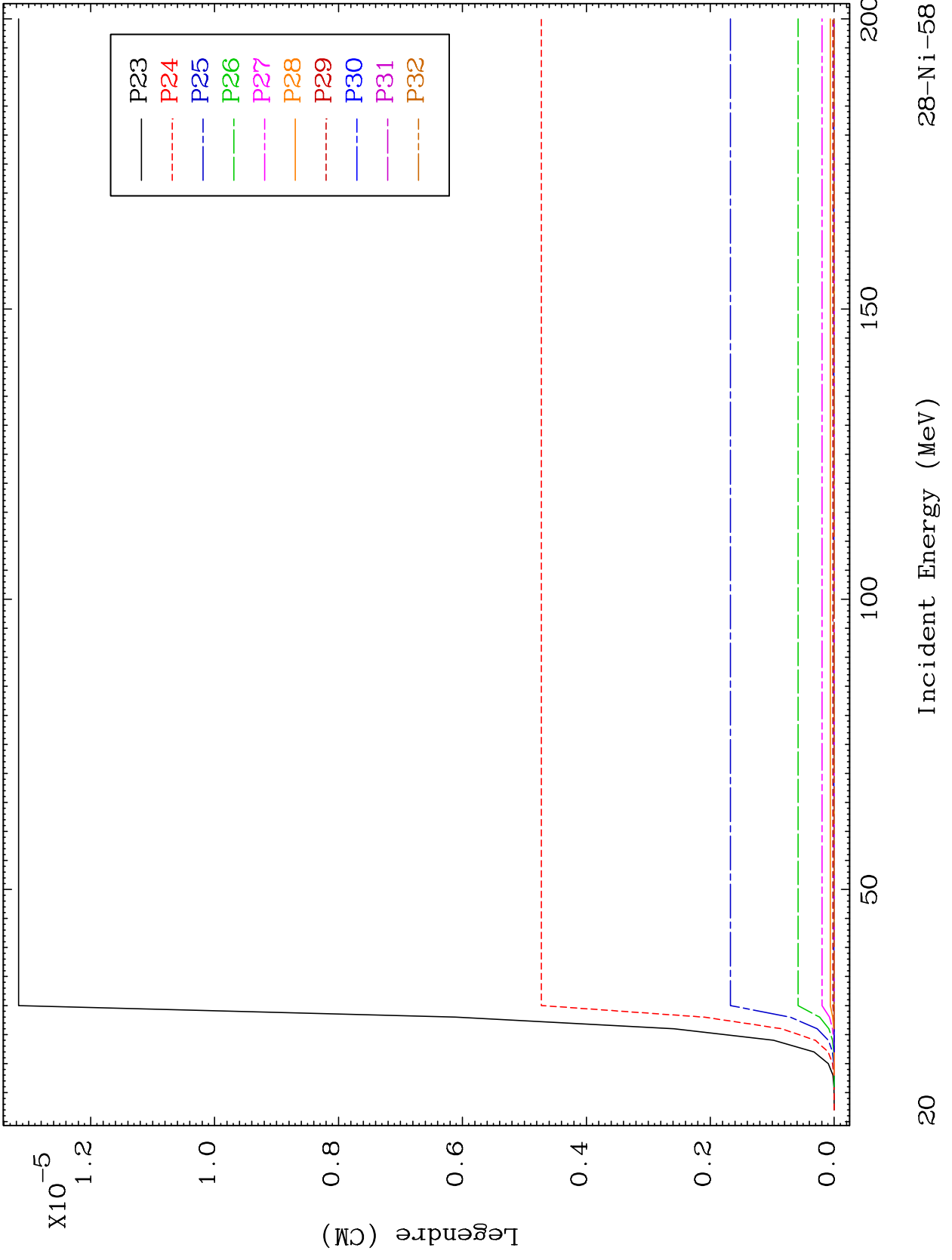
28-Ni-58



MAT 2825

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

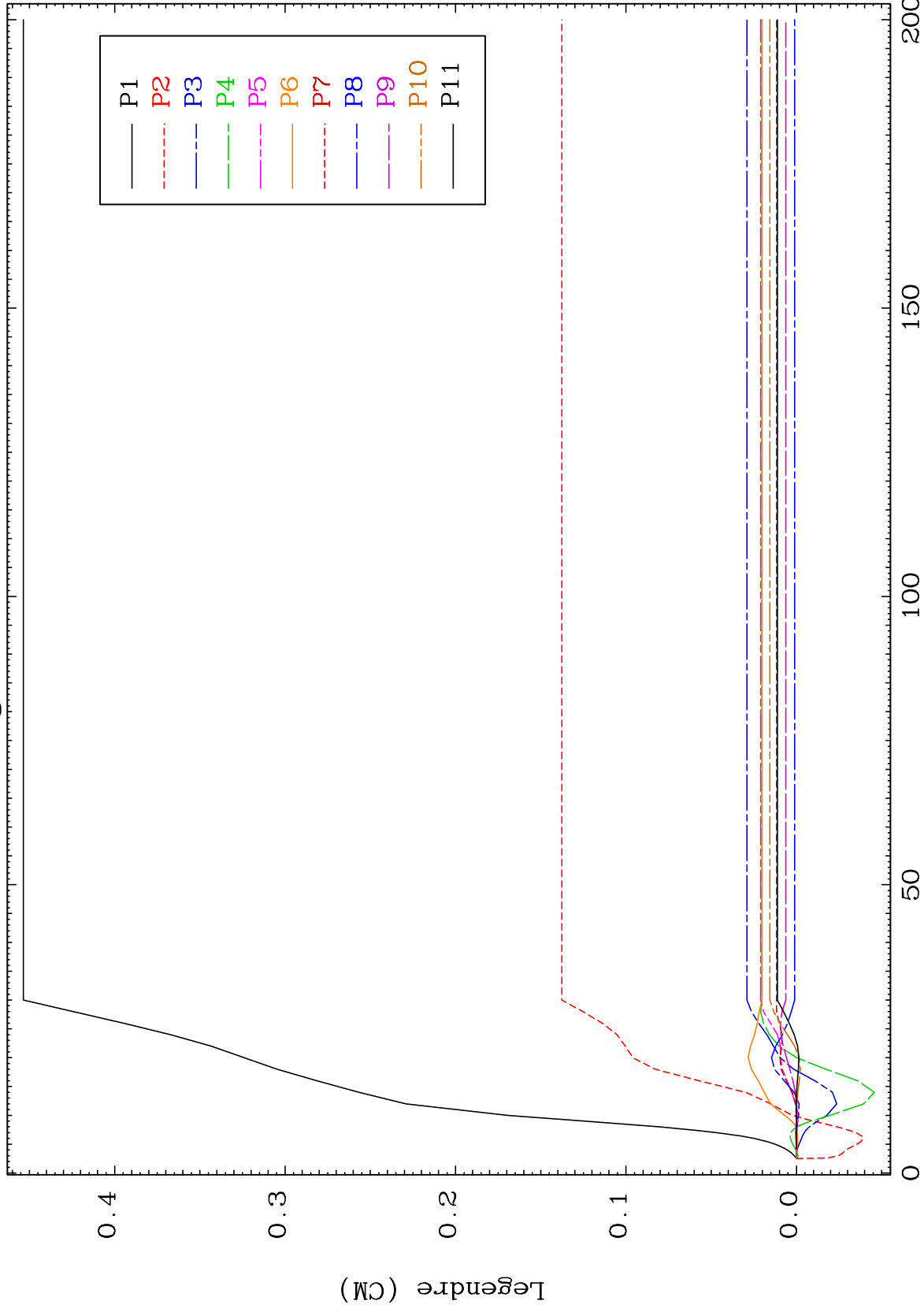
28-Ni-58



MAT 2825

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

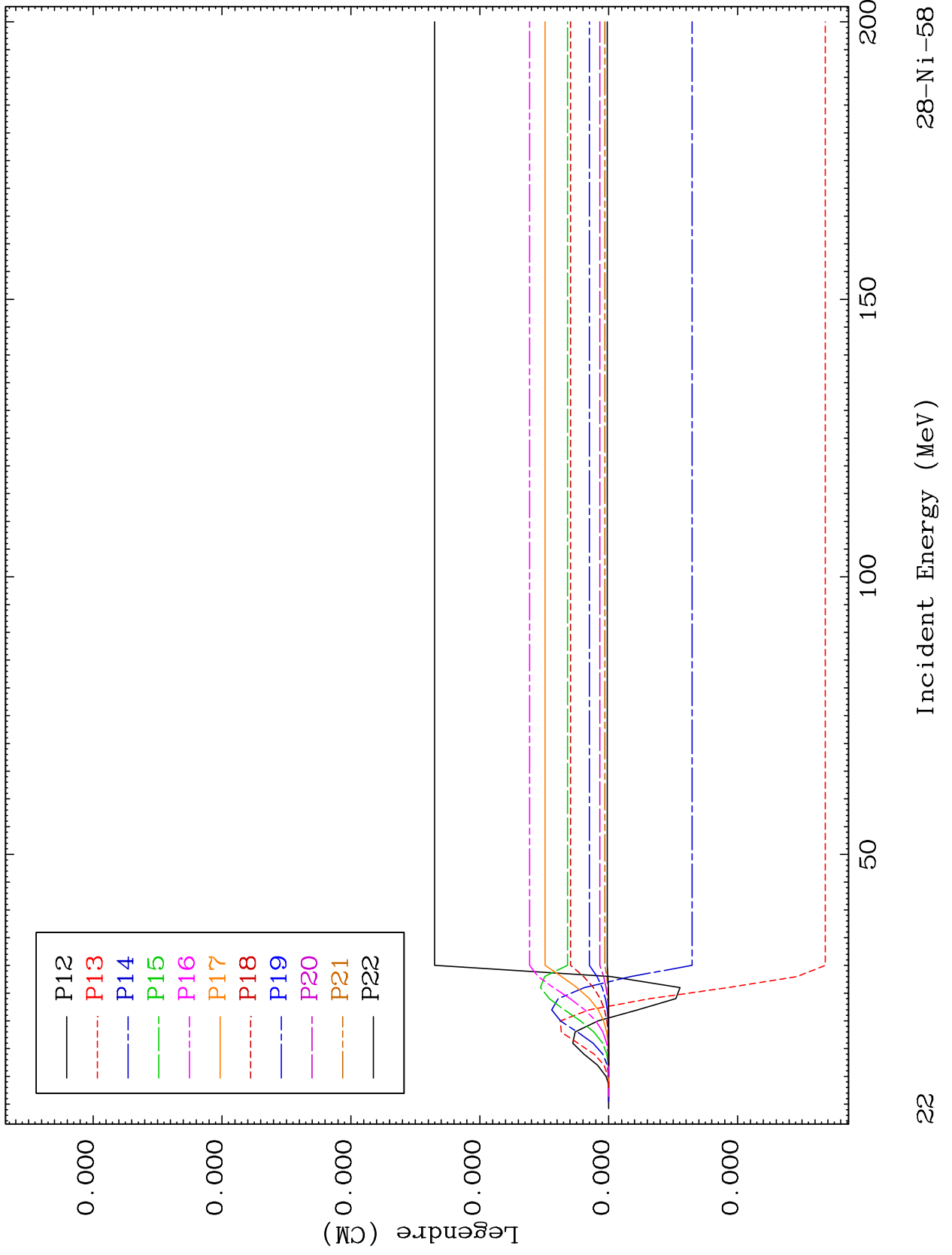
28-Ni-58



21

Incident Energy (MeV)

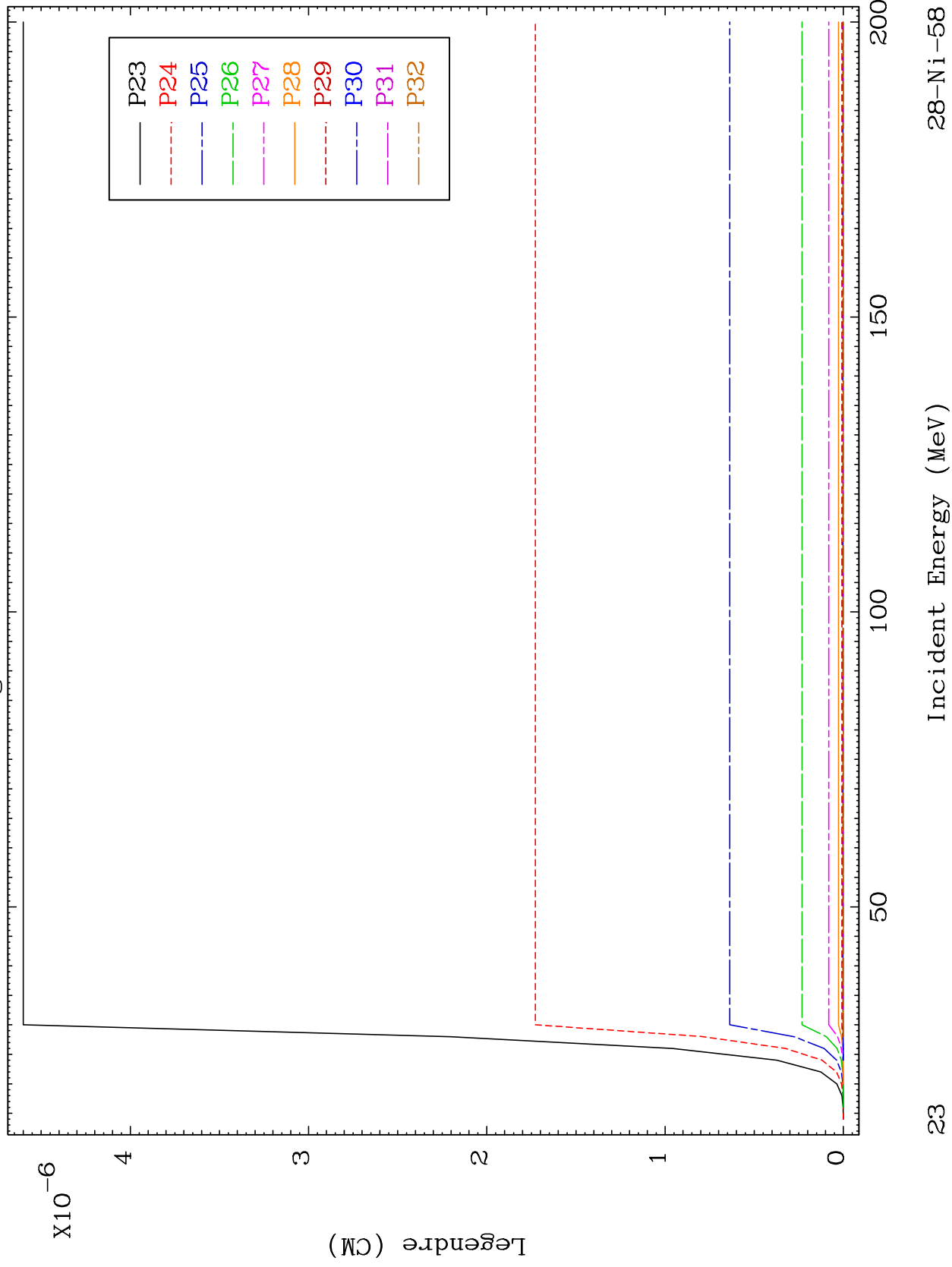
28-Ni-58



MAT 2825

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

28-Ni-58



23

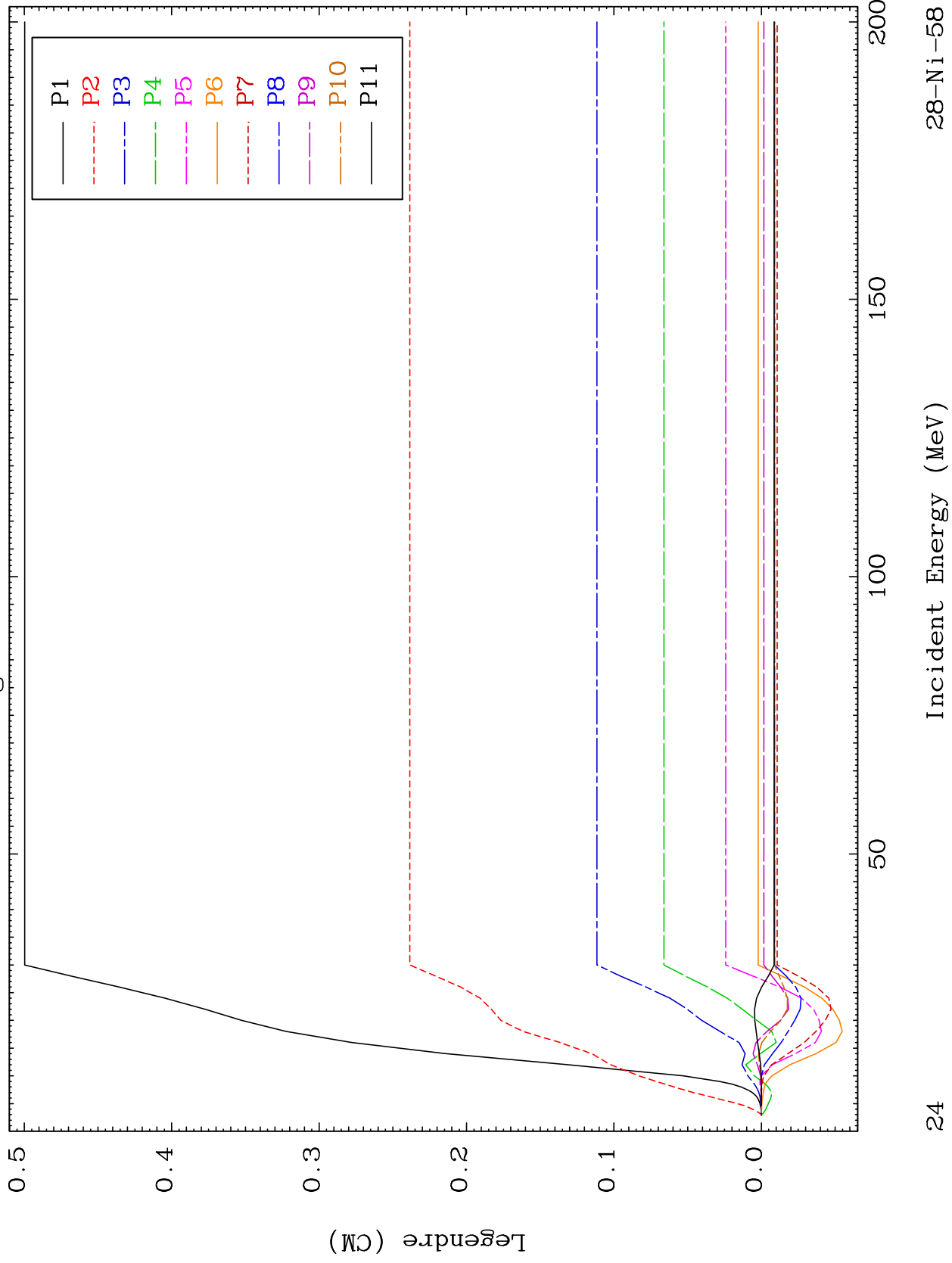
28-Ni-58



MAT 2825

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

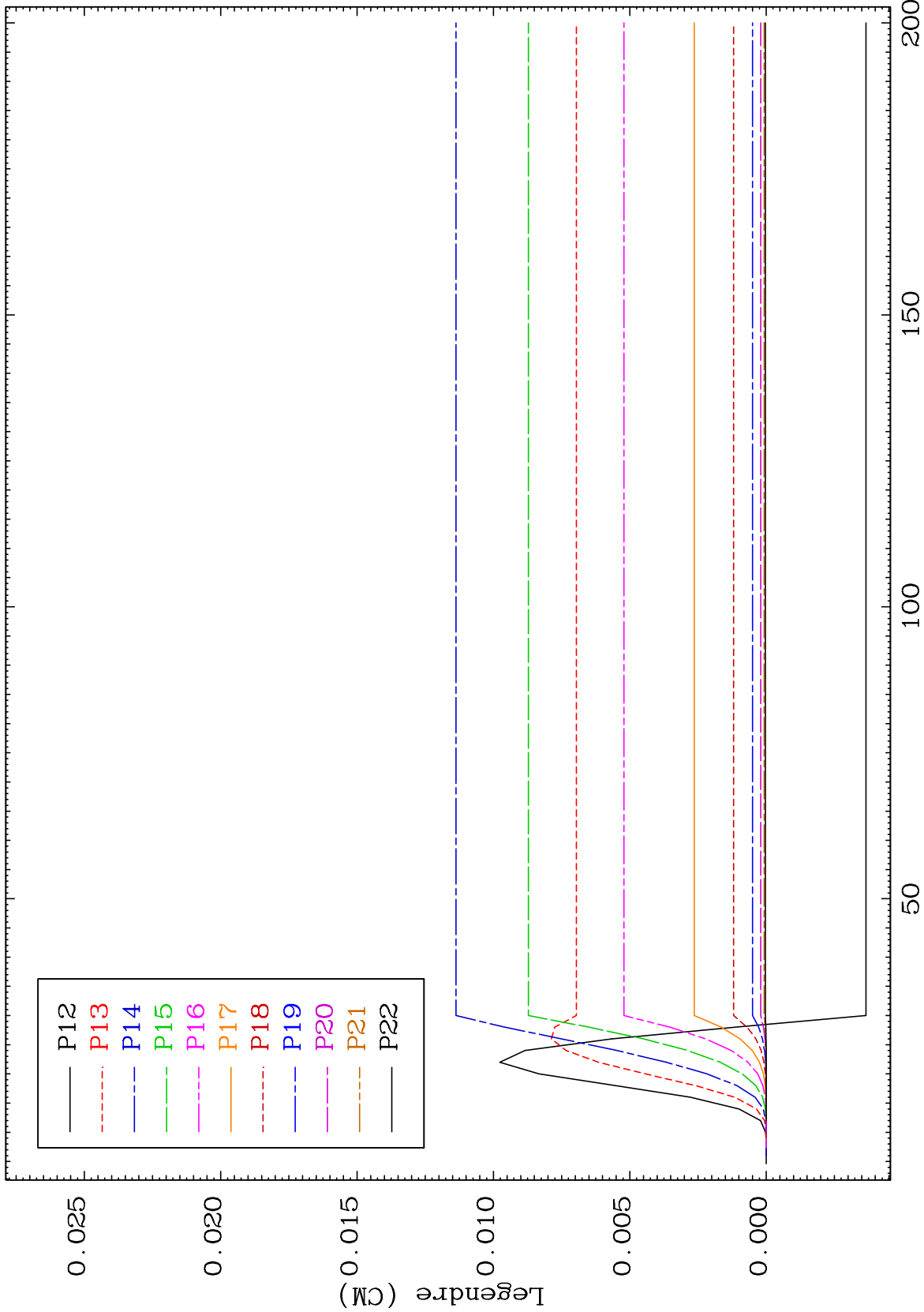
28-Ni-58



24

Incident Energy (MeV)

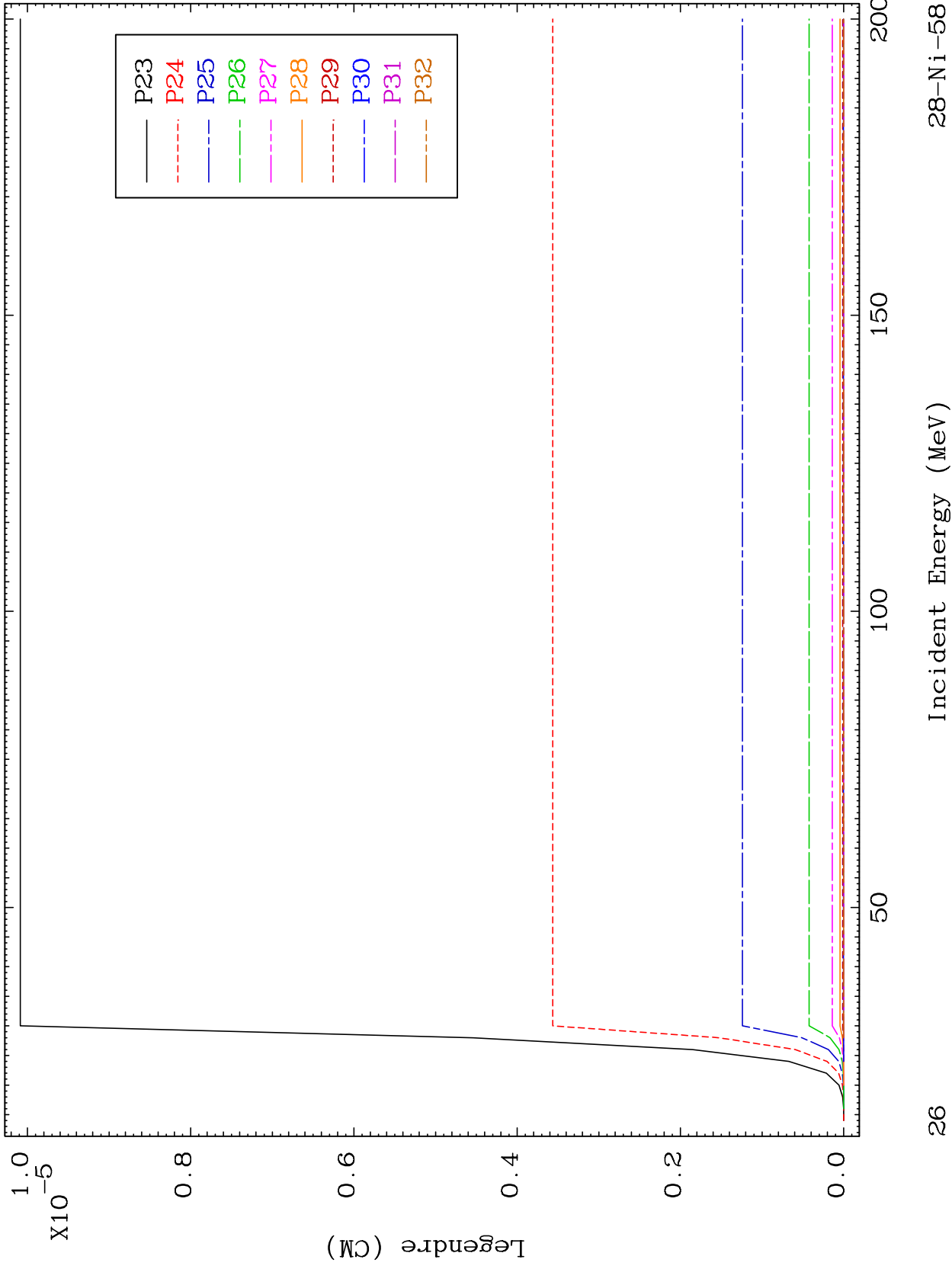
28-Ni-58



MAT 2825

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

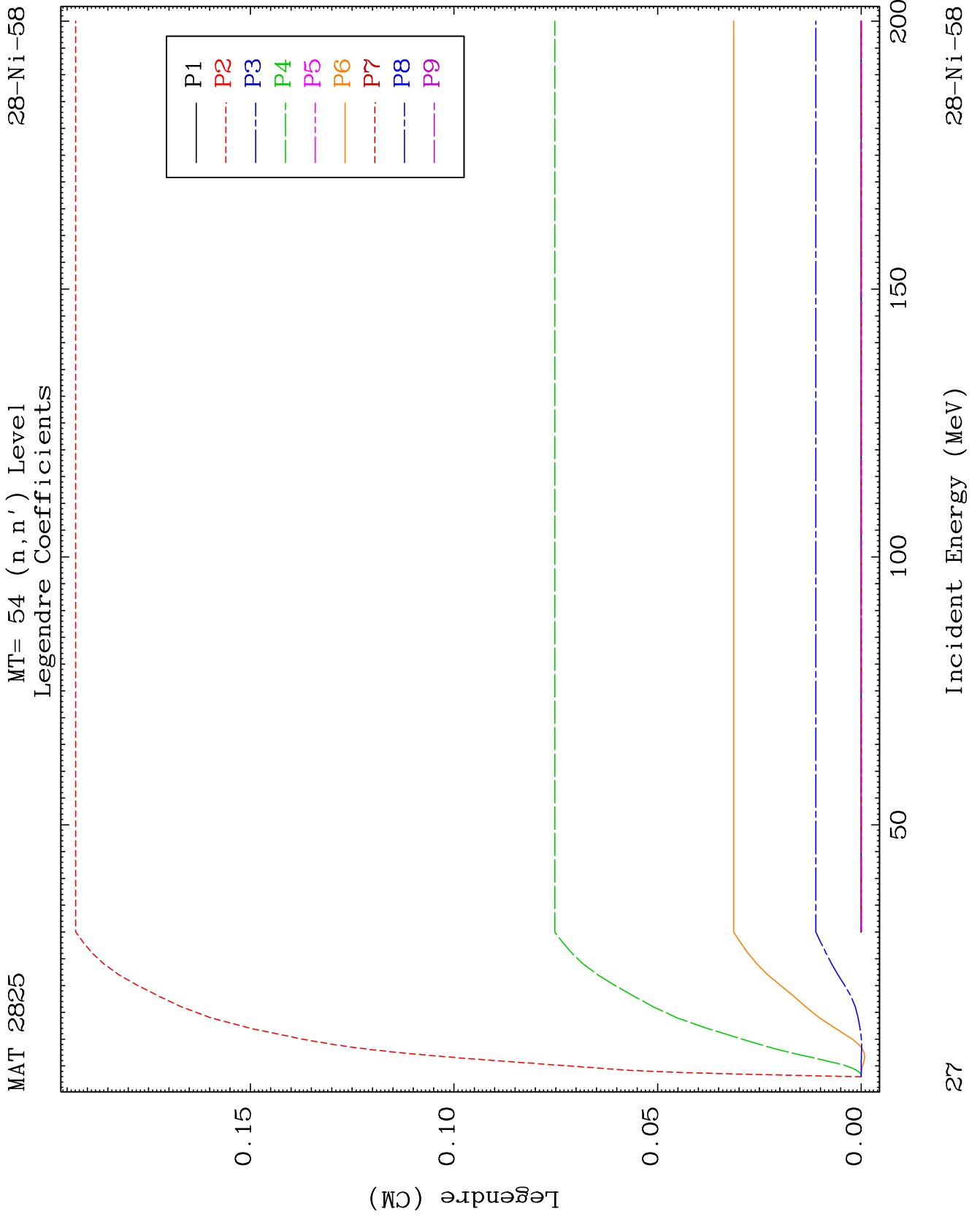
28-Ni-58



26

Incident Energy (MeV)

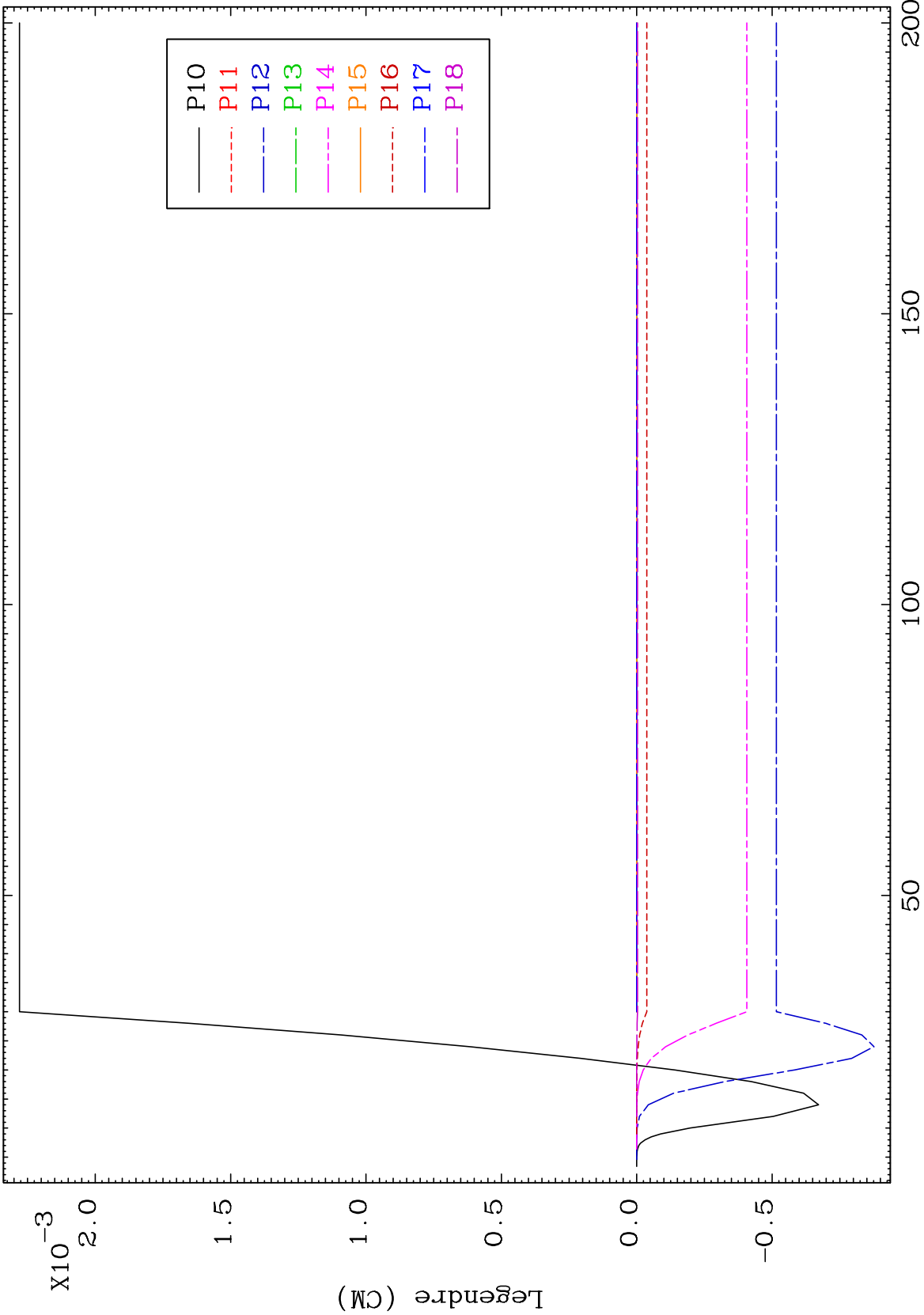
28-Ni-58



MAT 2825

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

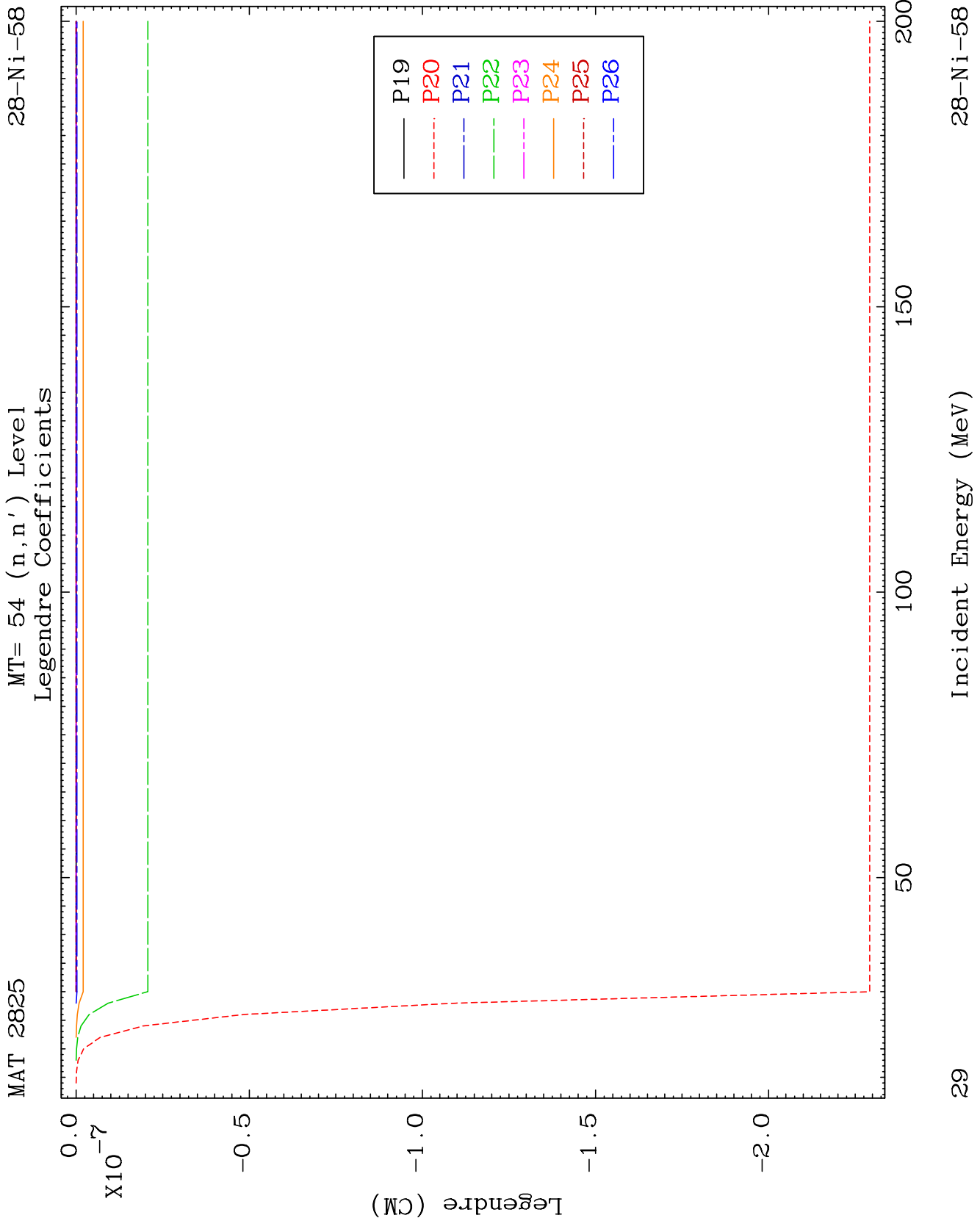
28-Ni-58

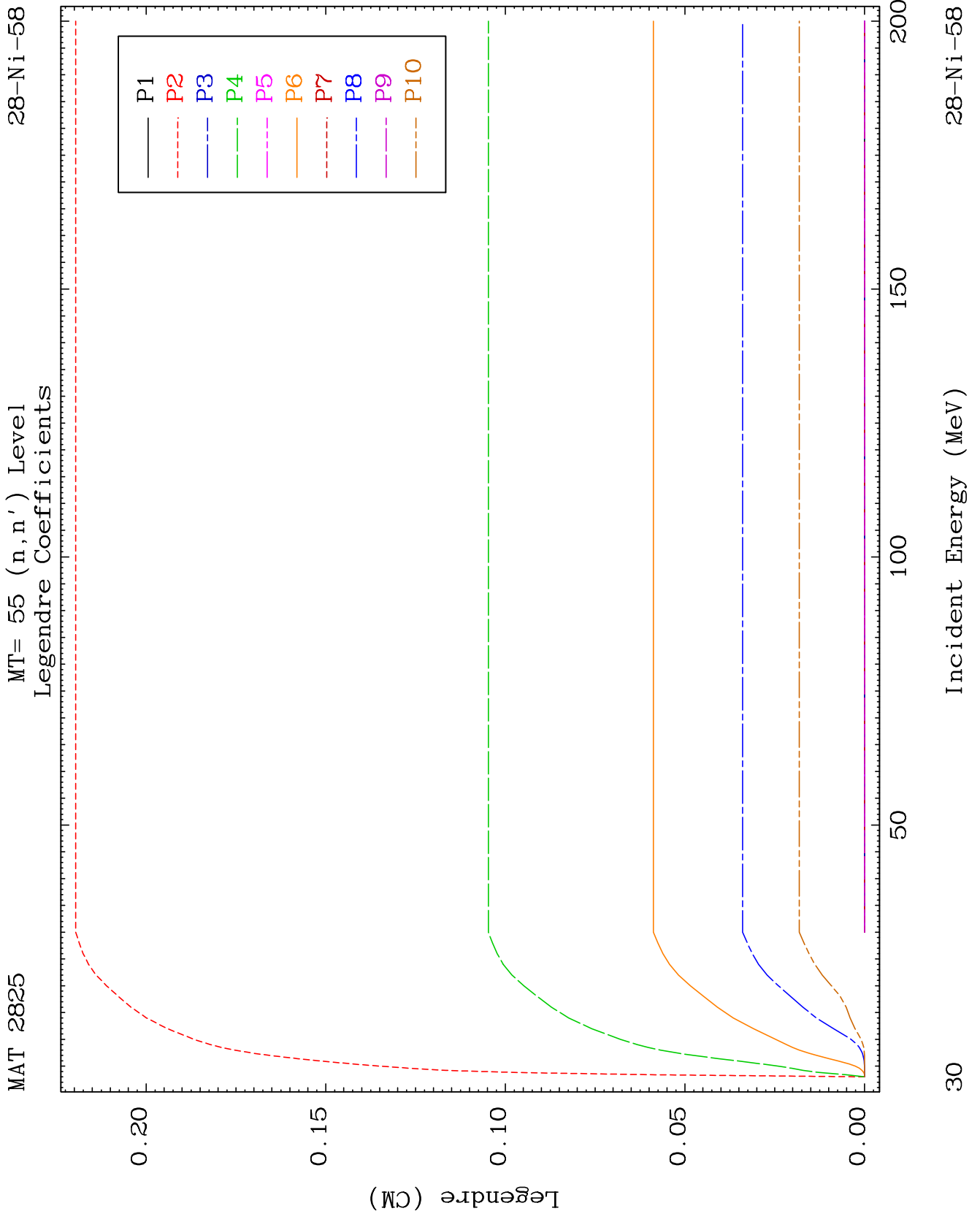


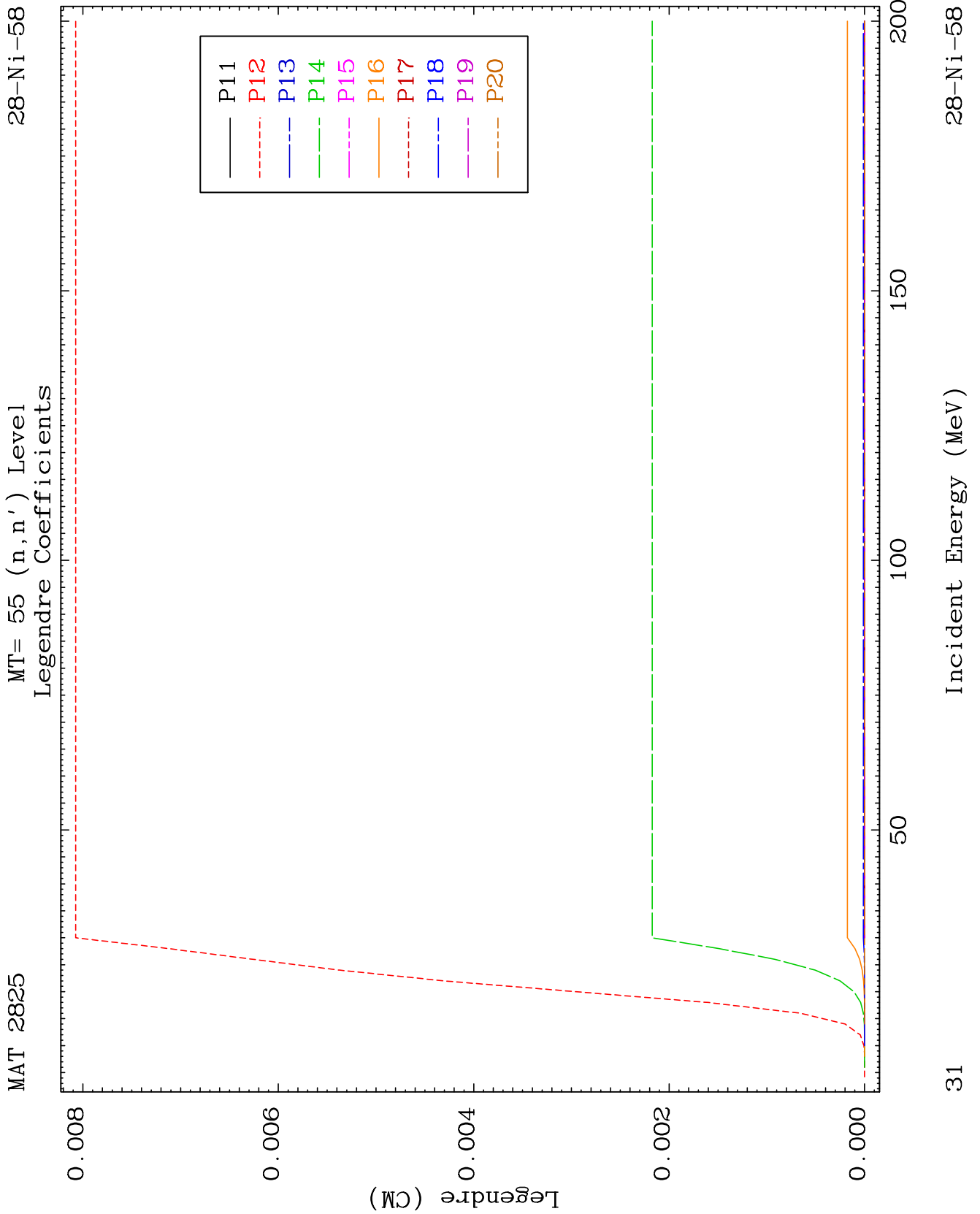
28

Incident Energy (MeV)

28-Ni-58

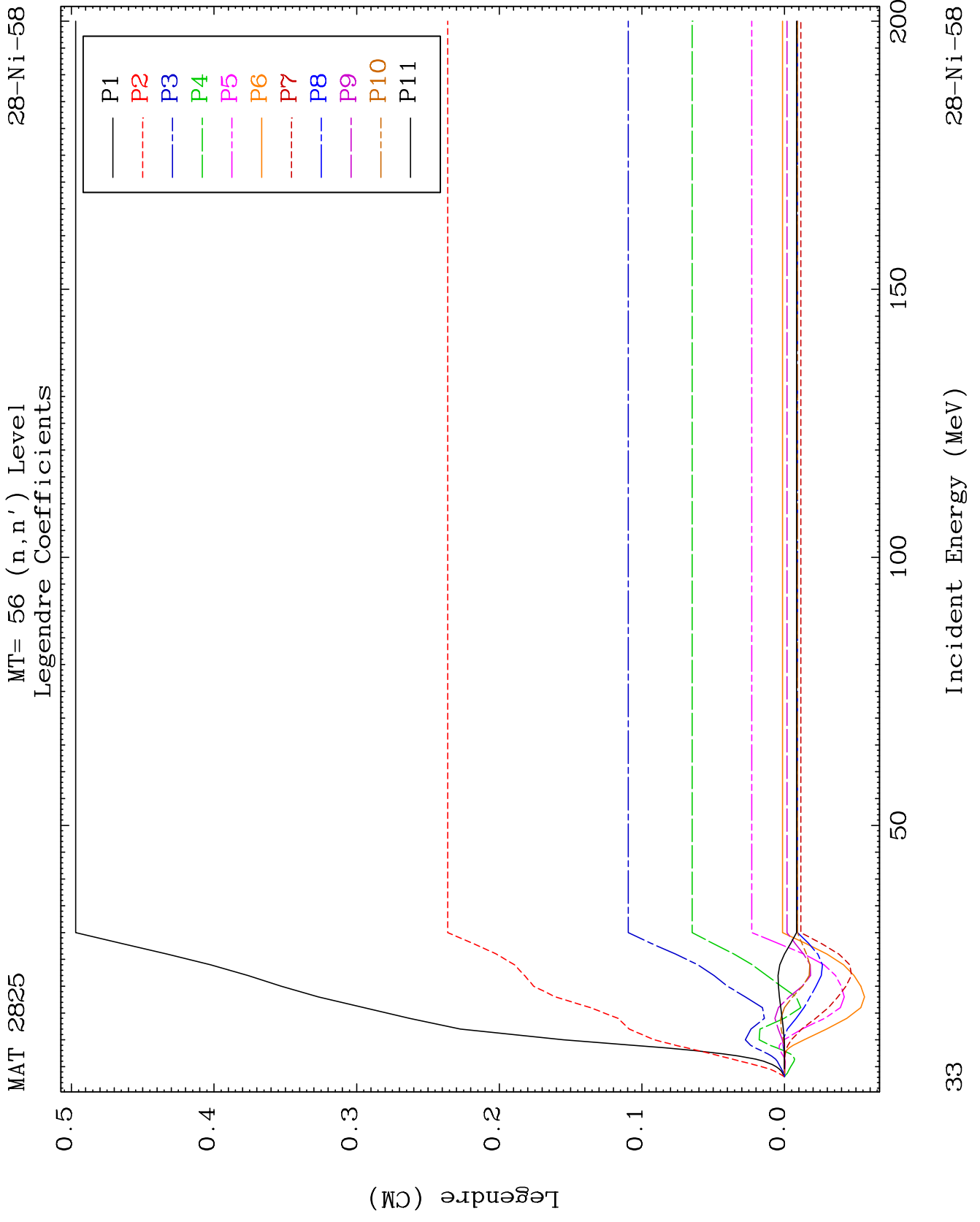


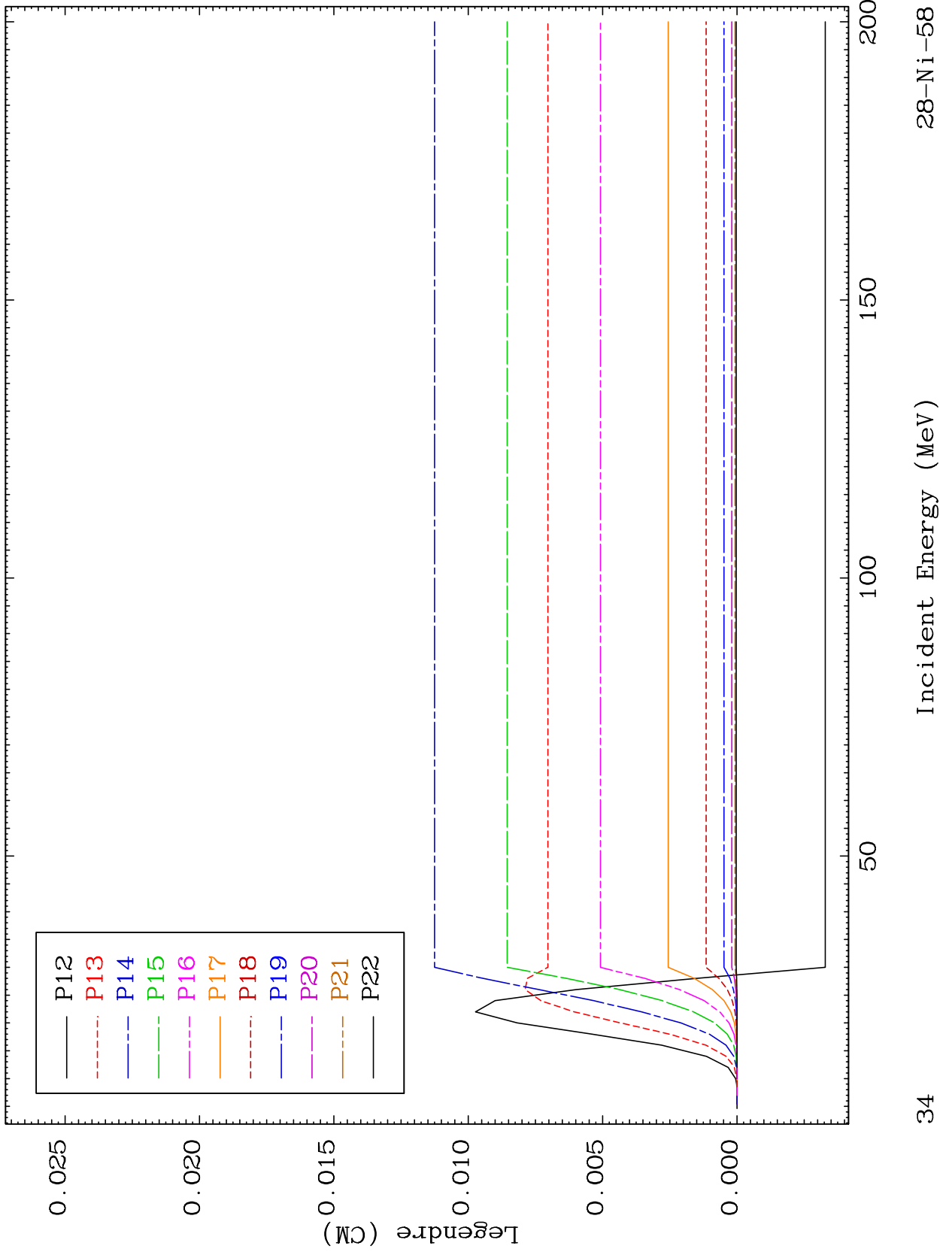




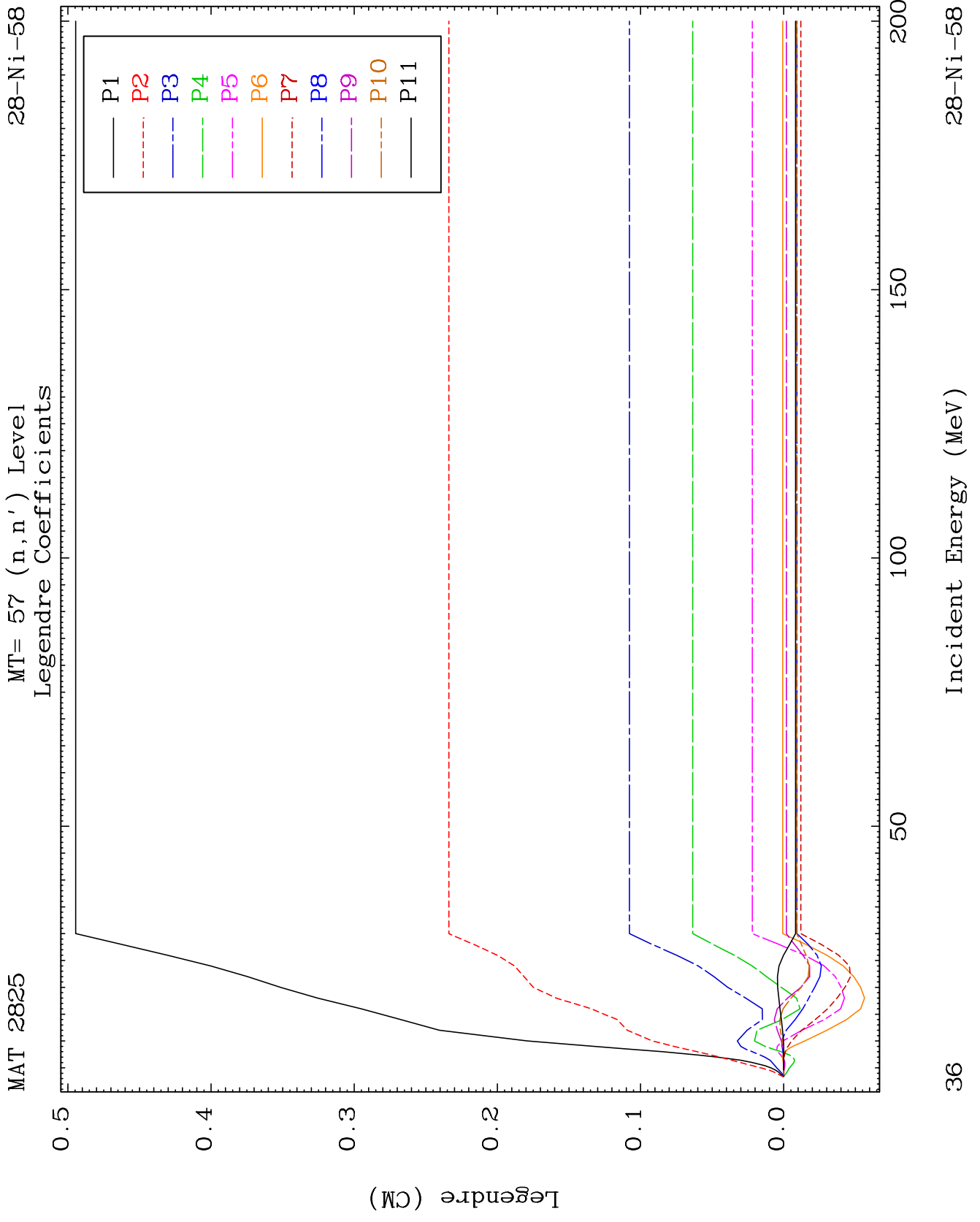


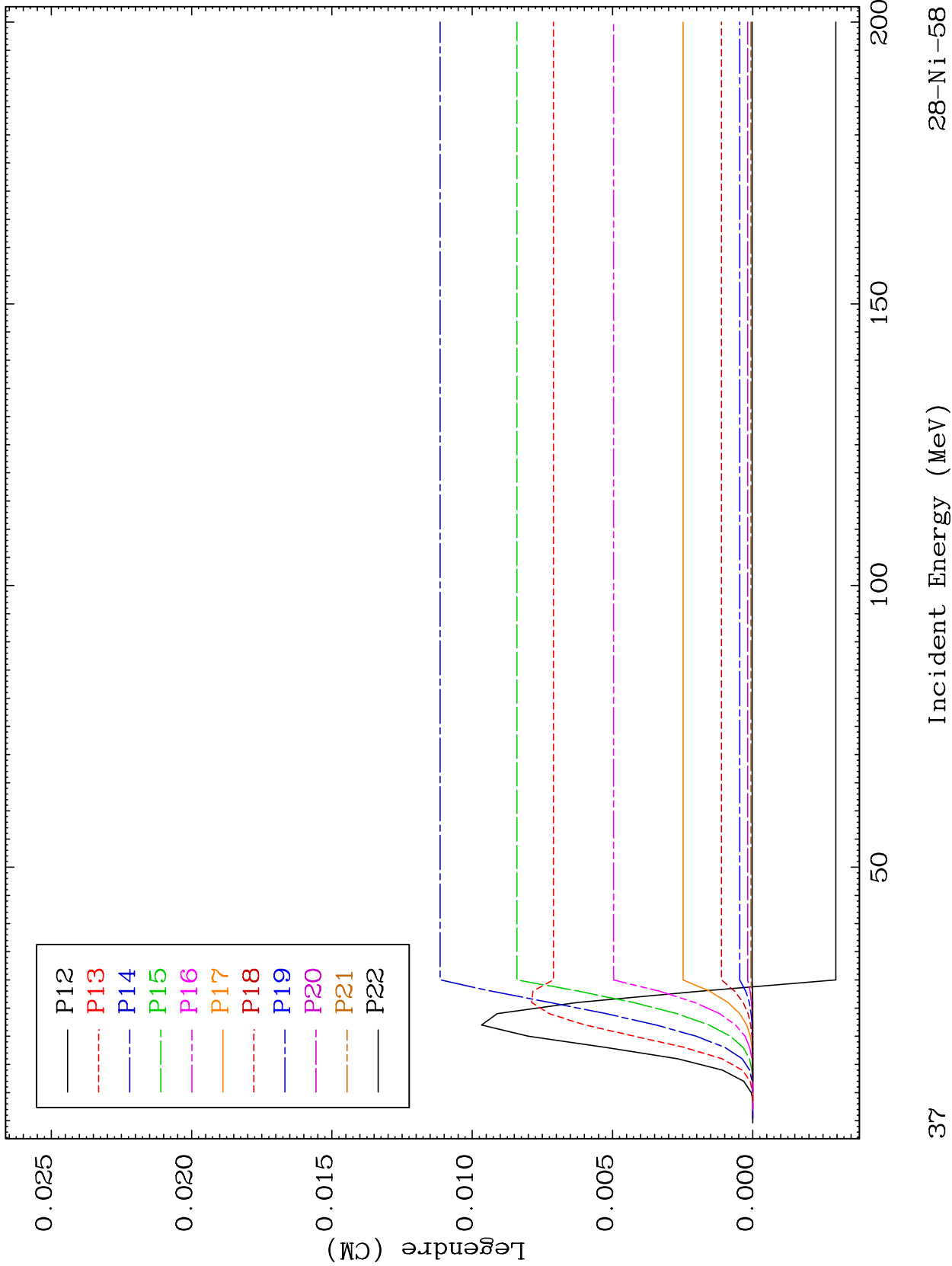




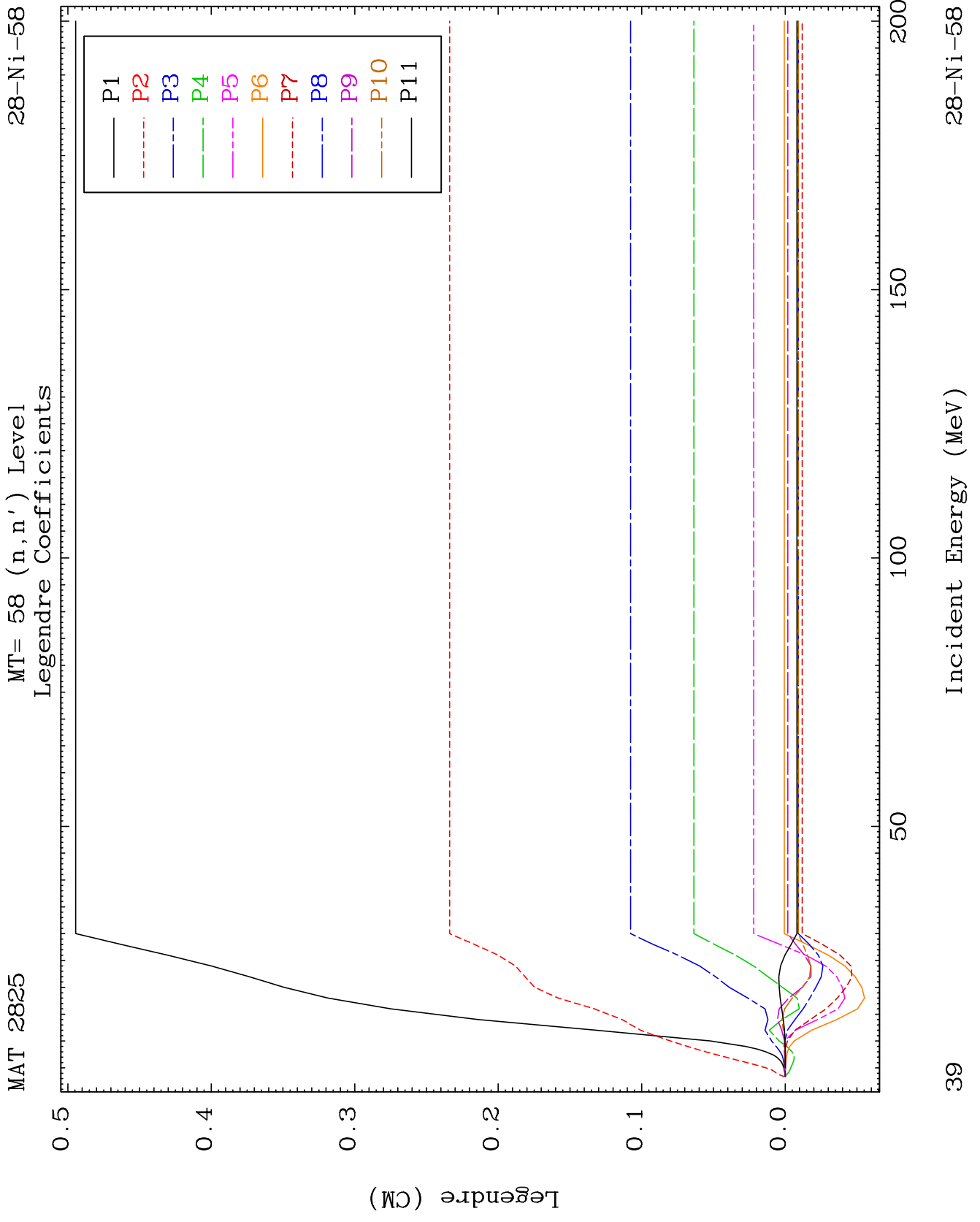










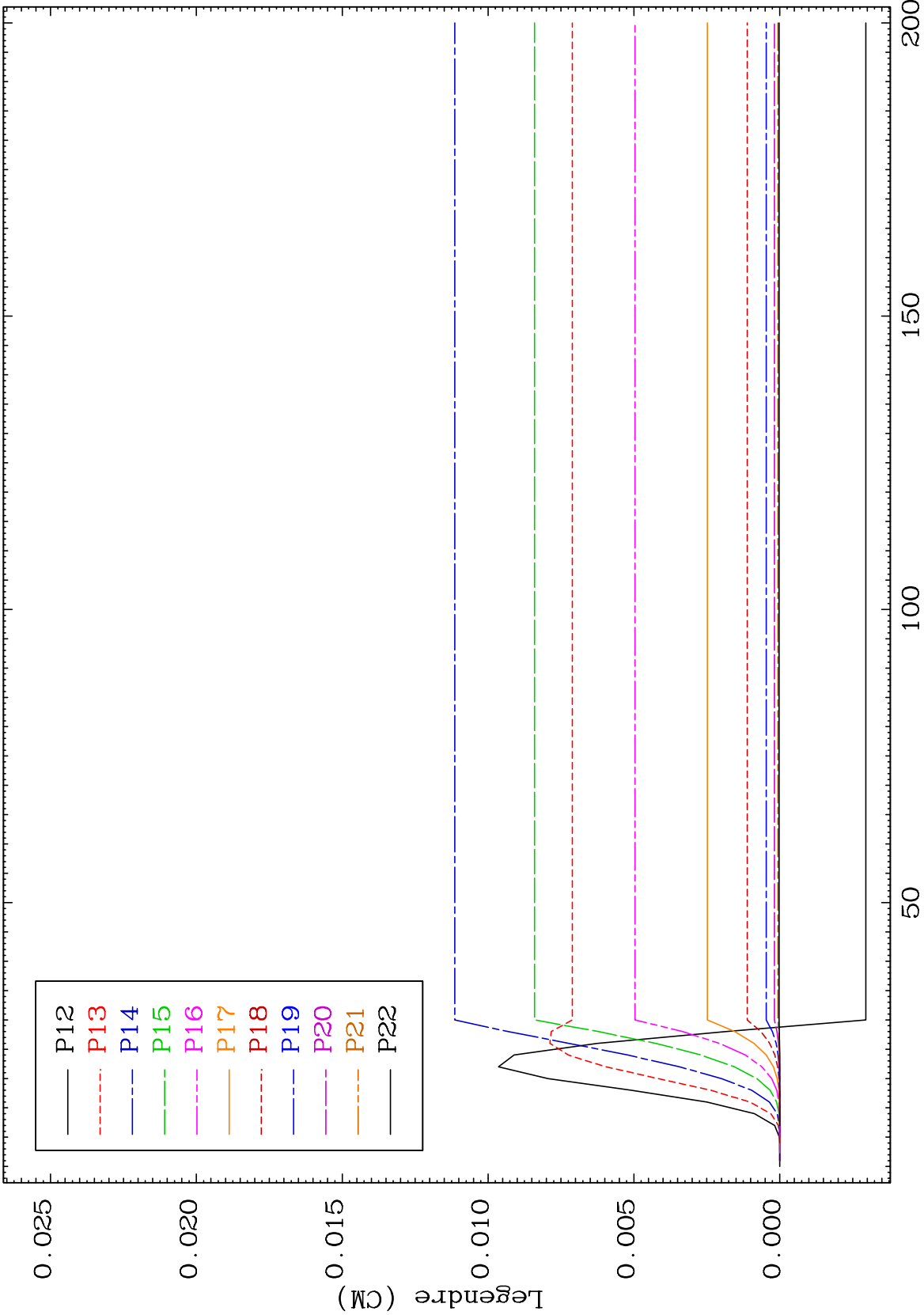




MAT 2825

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

28-Ni-58



40

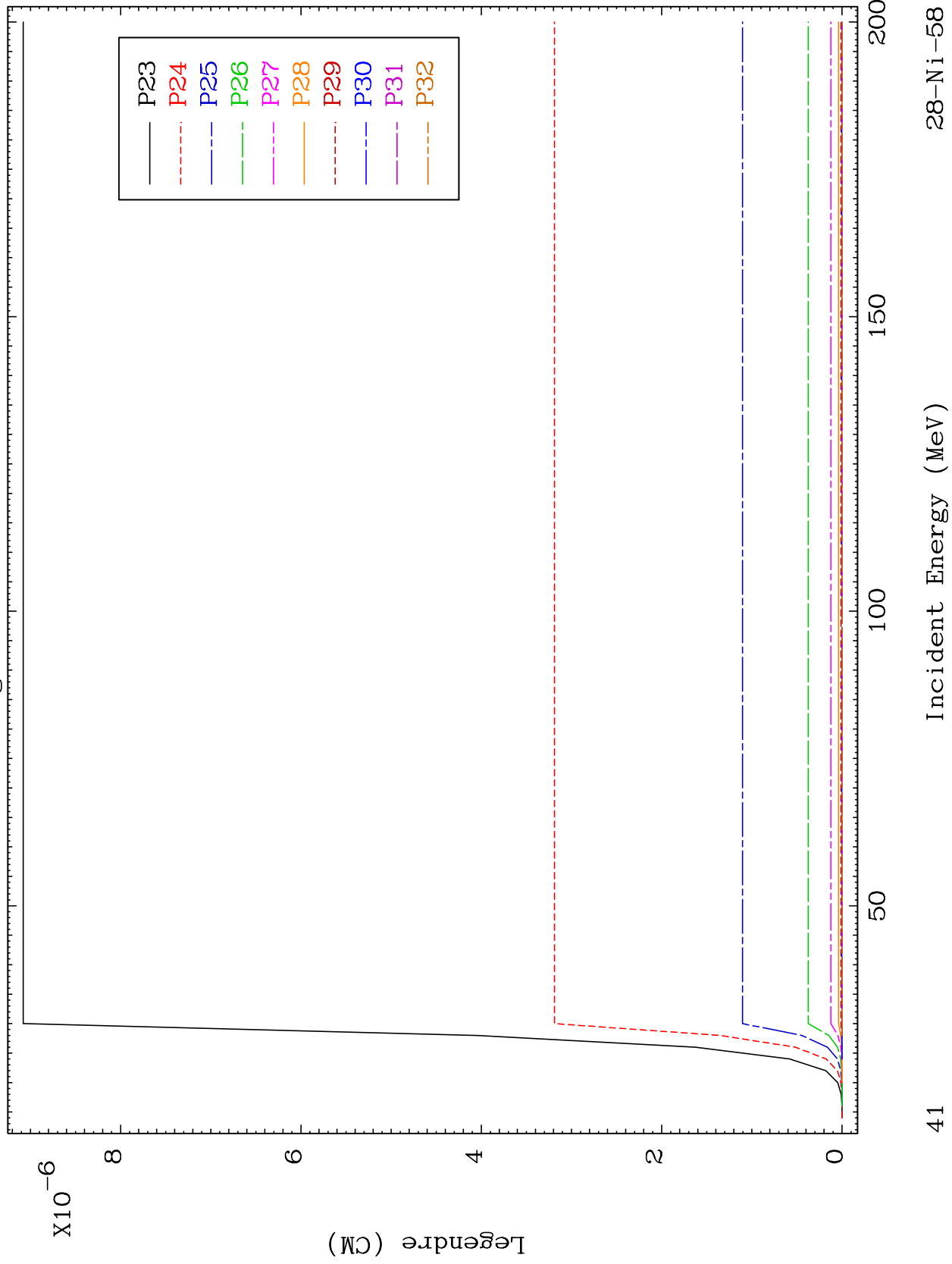
Incident Energy (MeV)

28-Ni-58

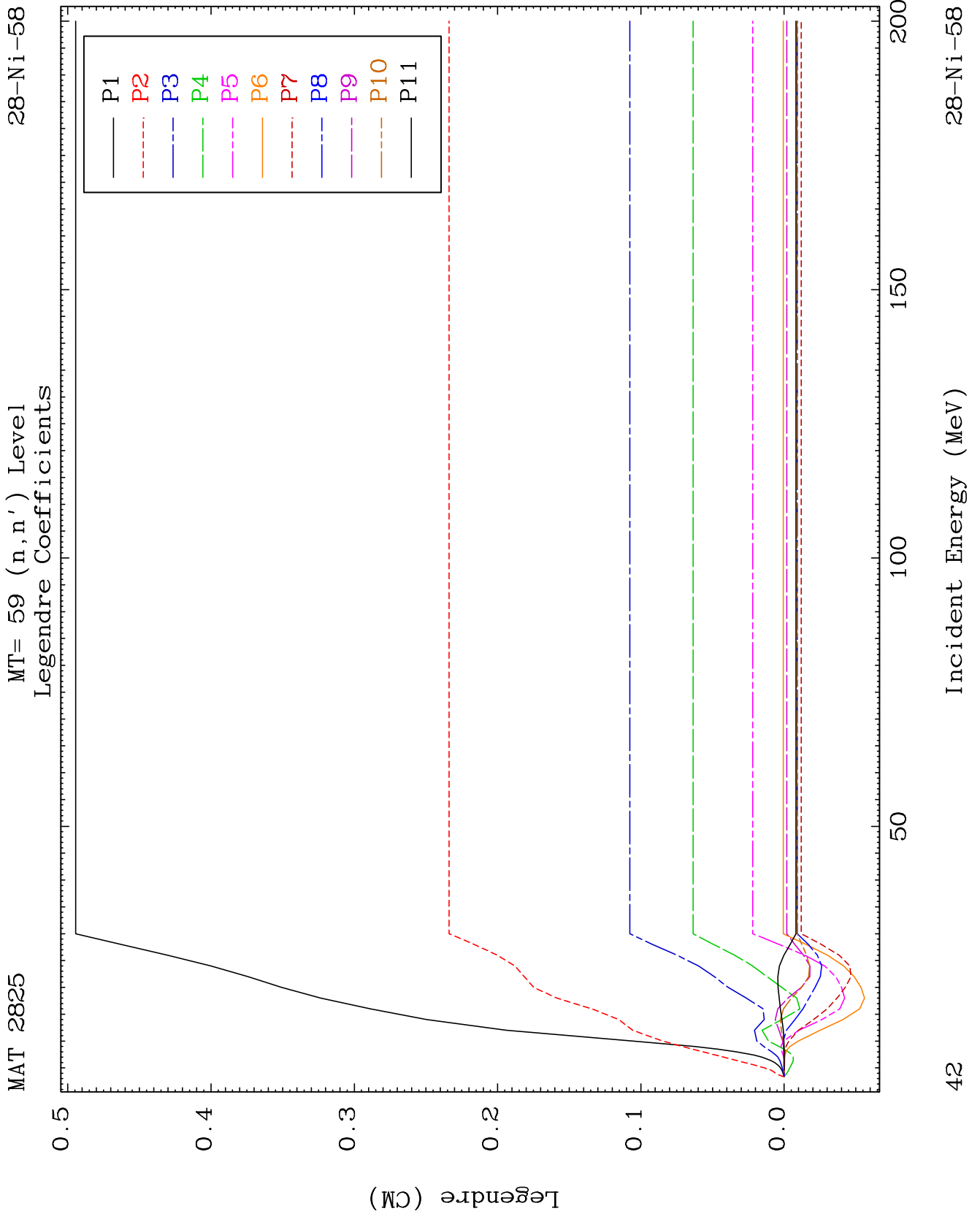
MAT 2825

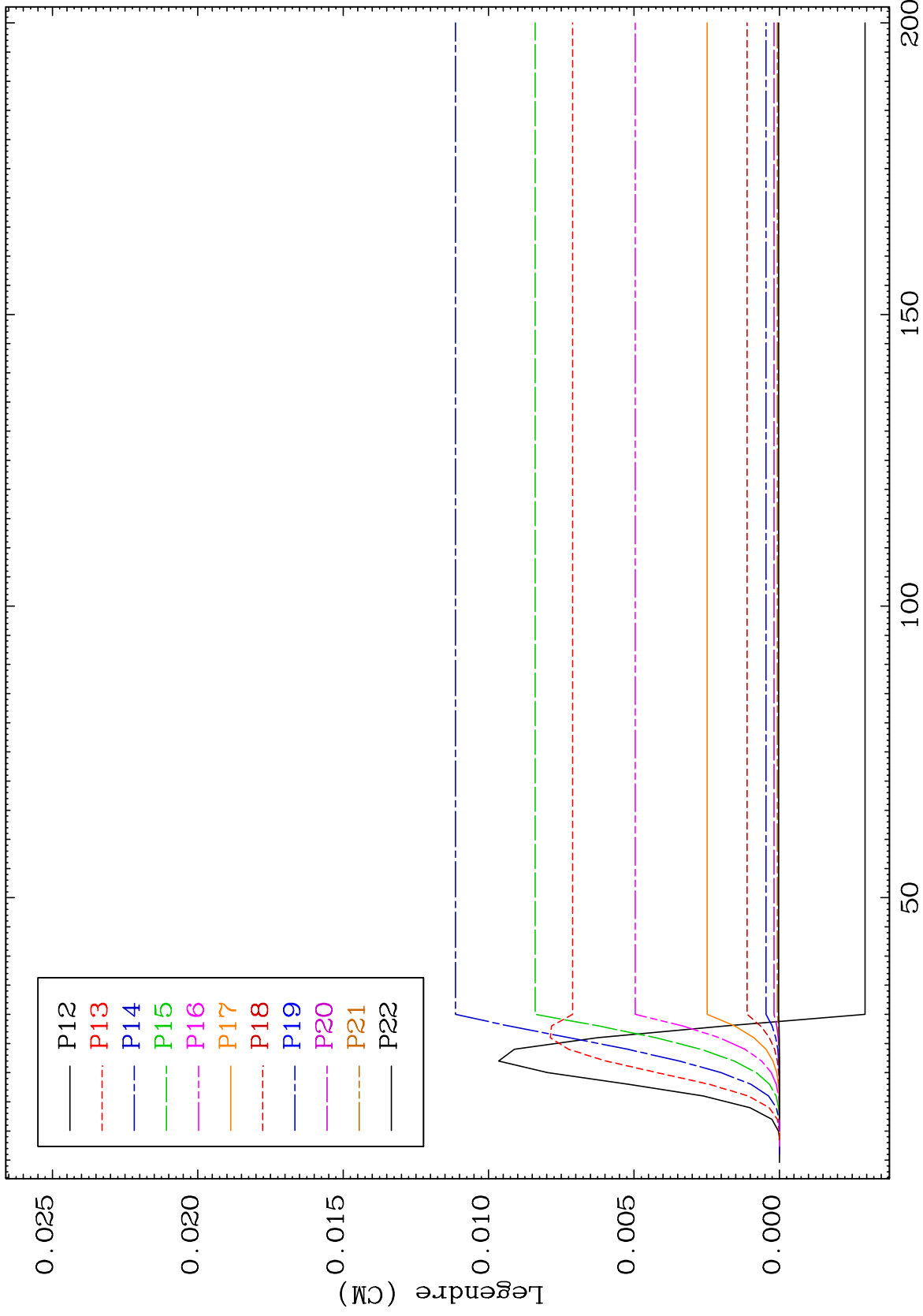
MT= 58 (n,n') Level  
Legendre Coefficients

28-Ni-58



41

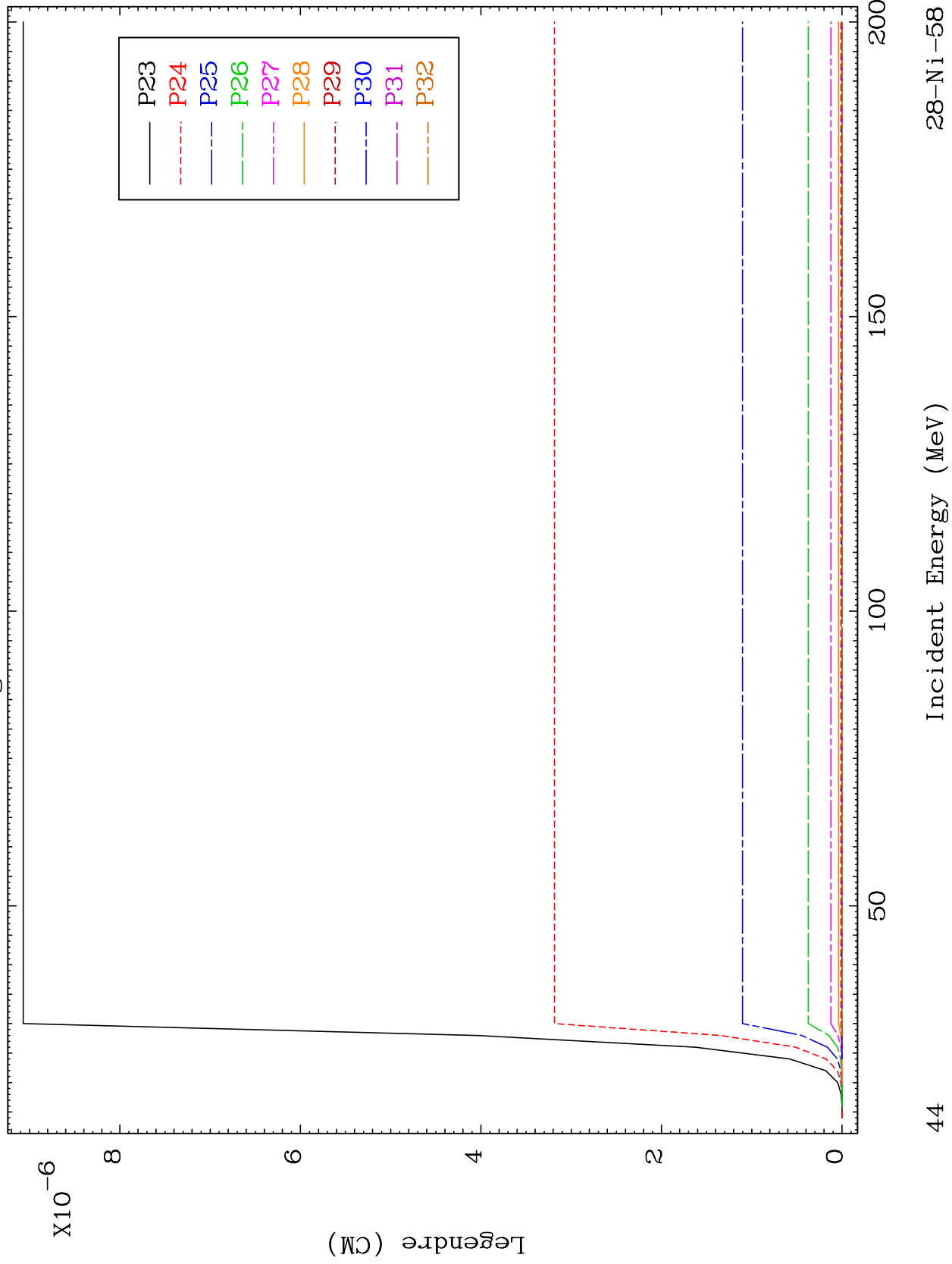




MAT 2825

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

28-Ni-58



44

Incident Energy (MeV)

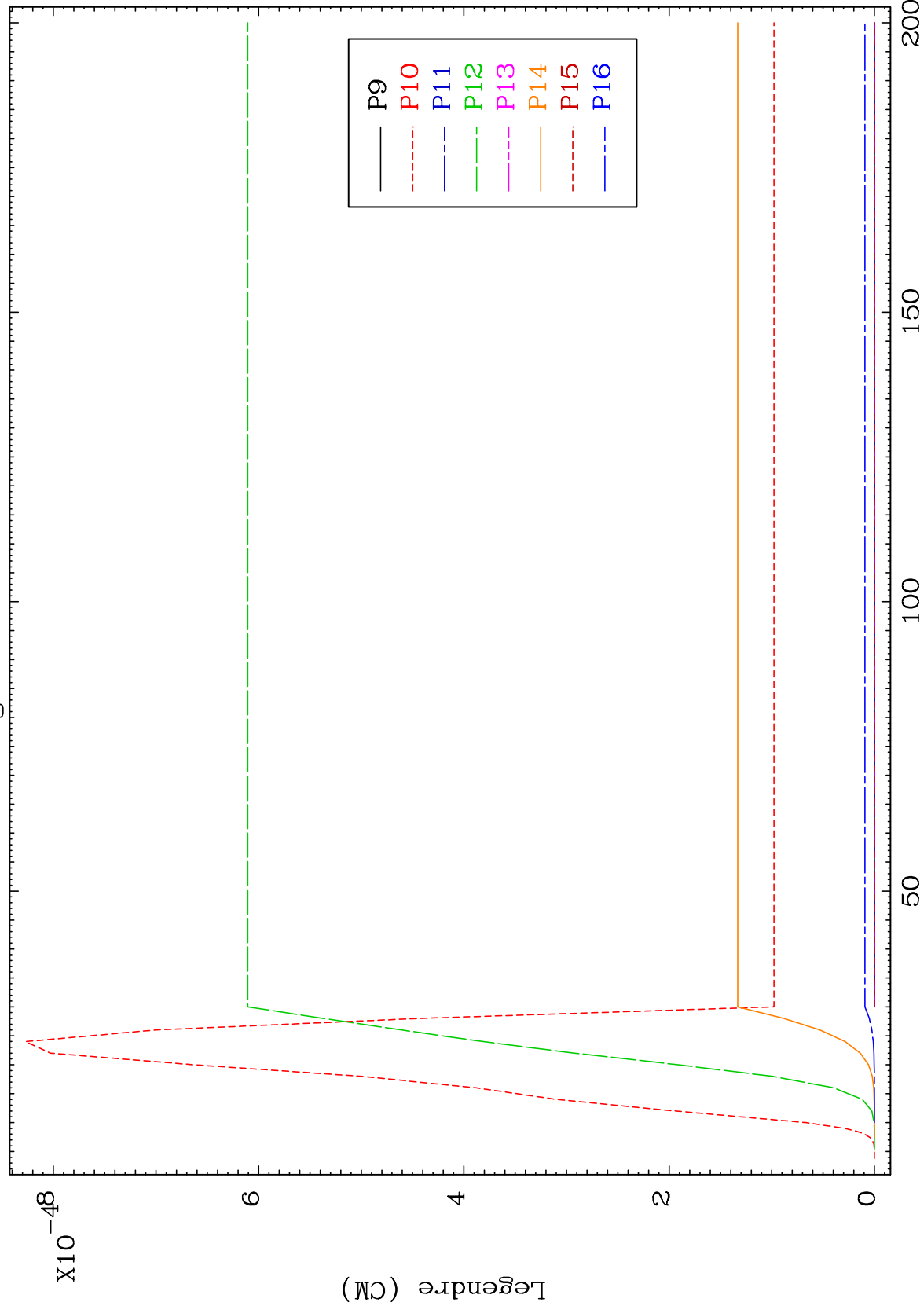
28-Ni-58



MAT 2825

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

28-Ni-58



46

Incident Energy (MeV)

28-Ni-58

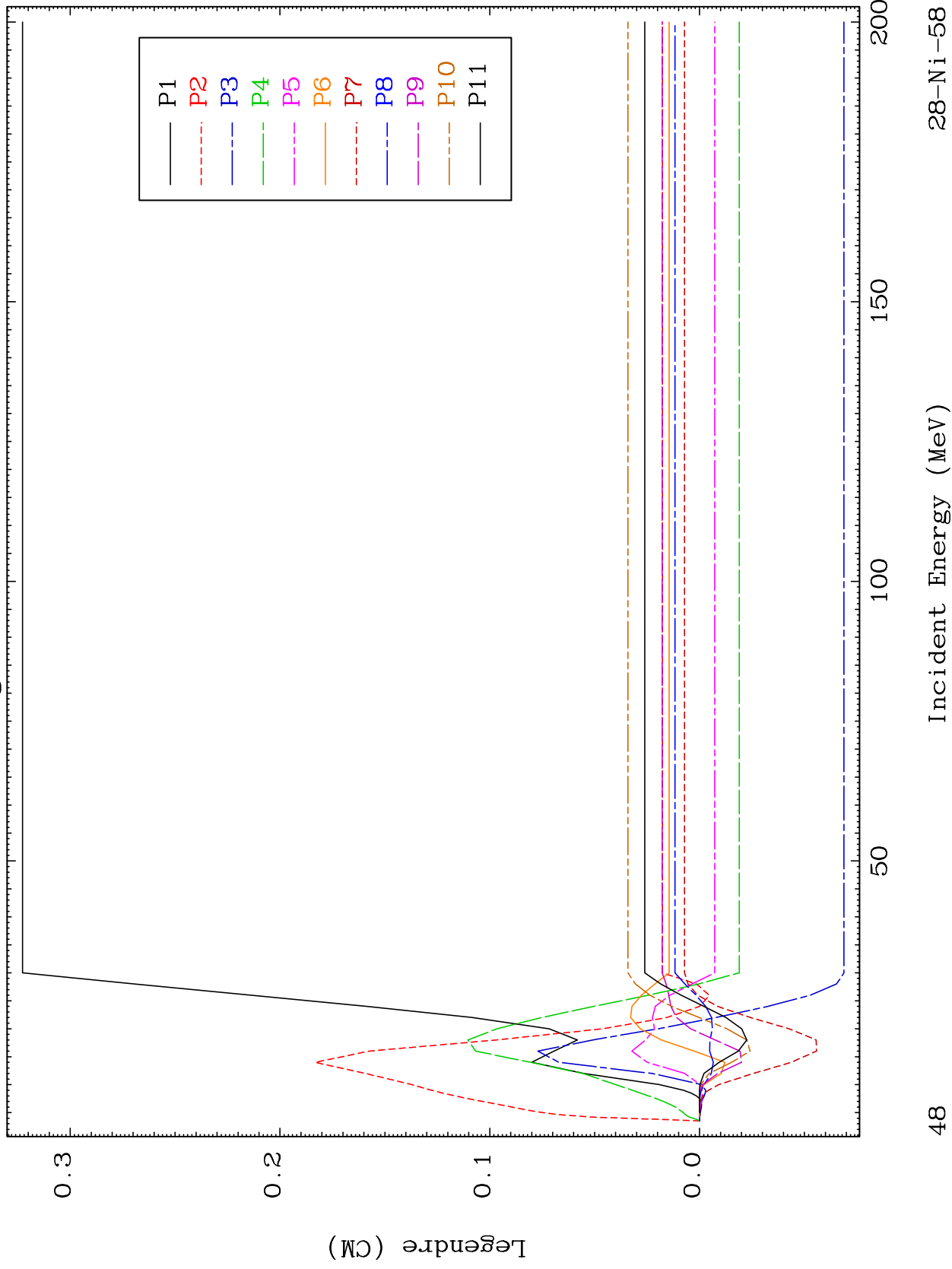




MAT 2825

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

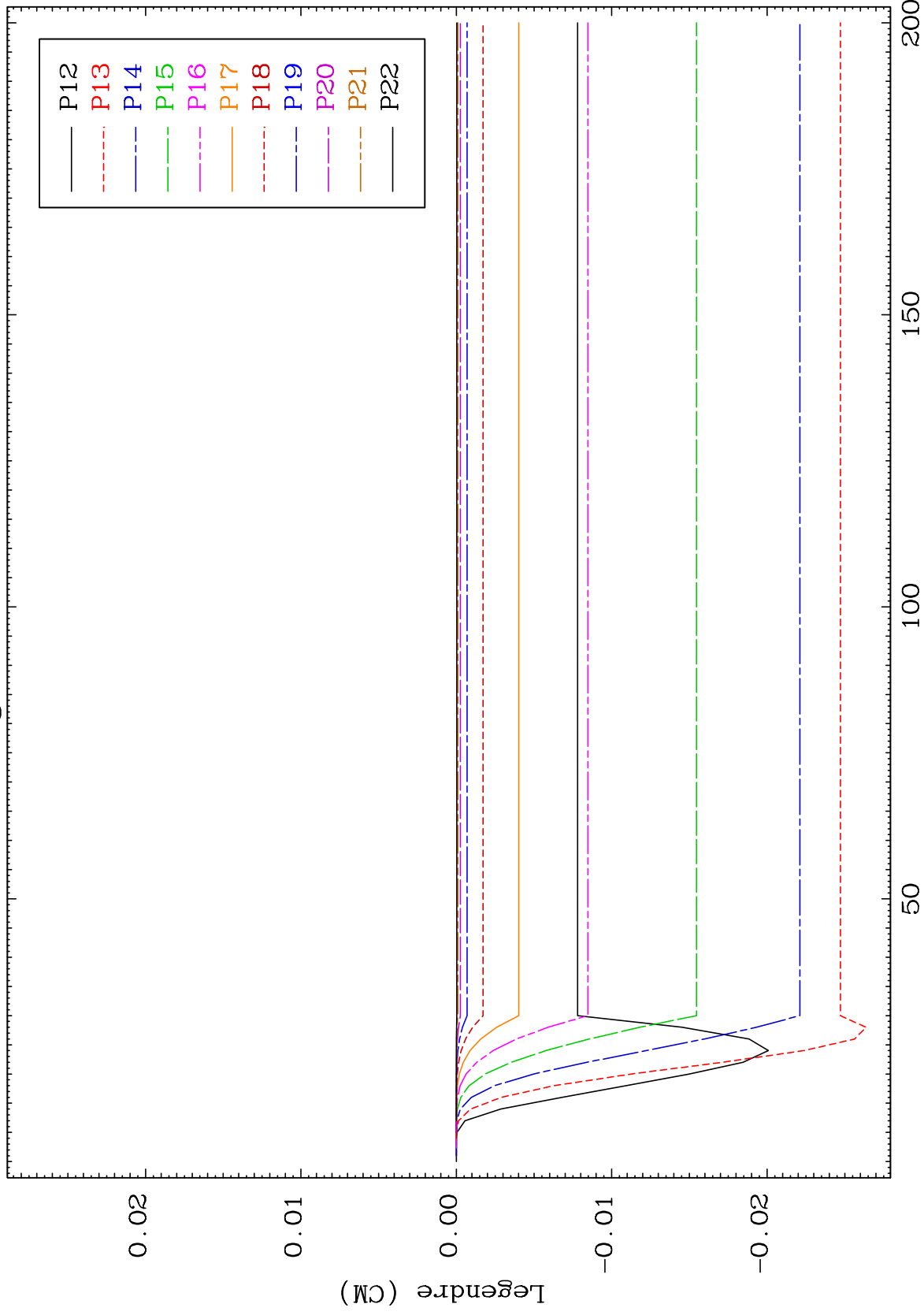
28-Ni-58



MAT 2825

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

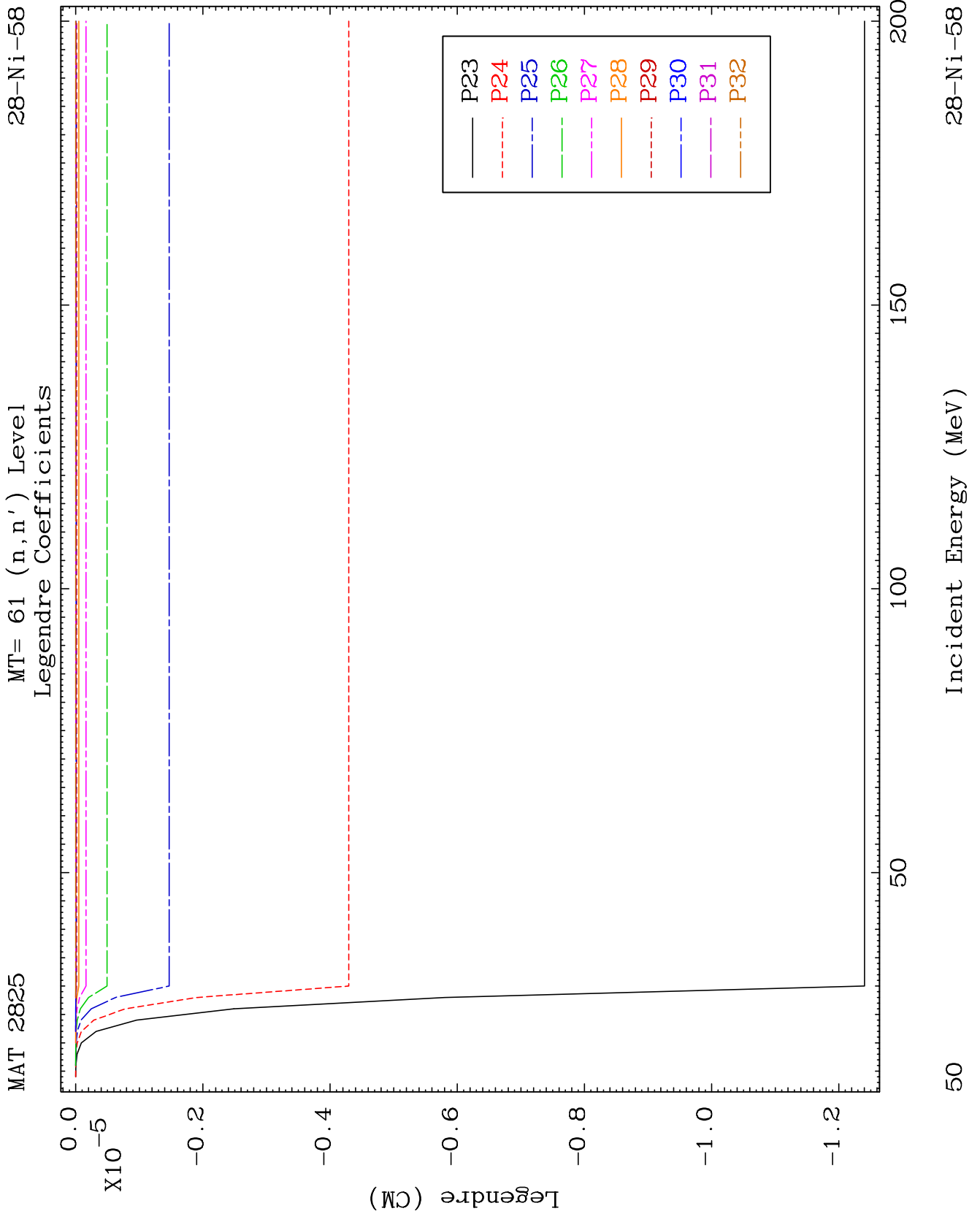
28-Ni-58



49

Incident Energy (MeV)

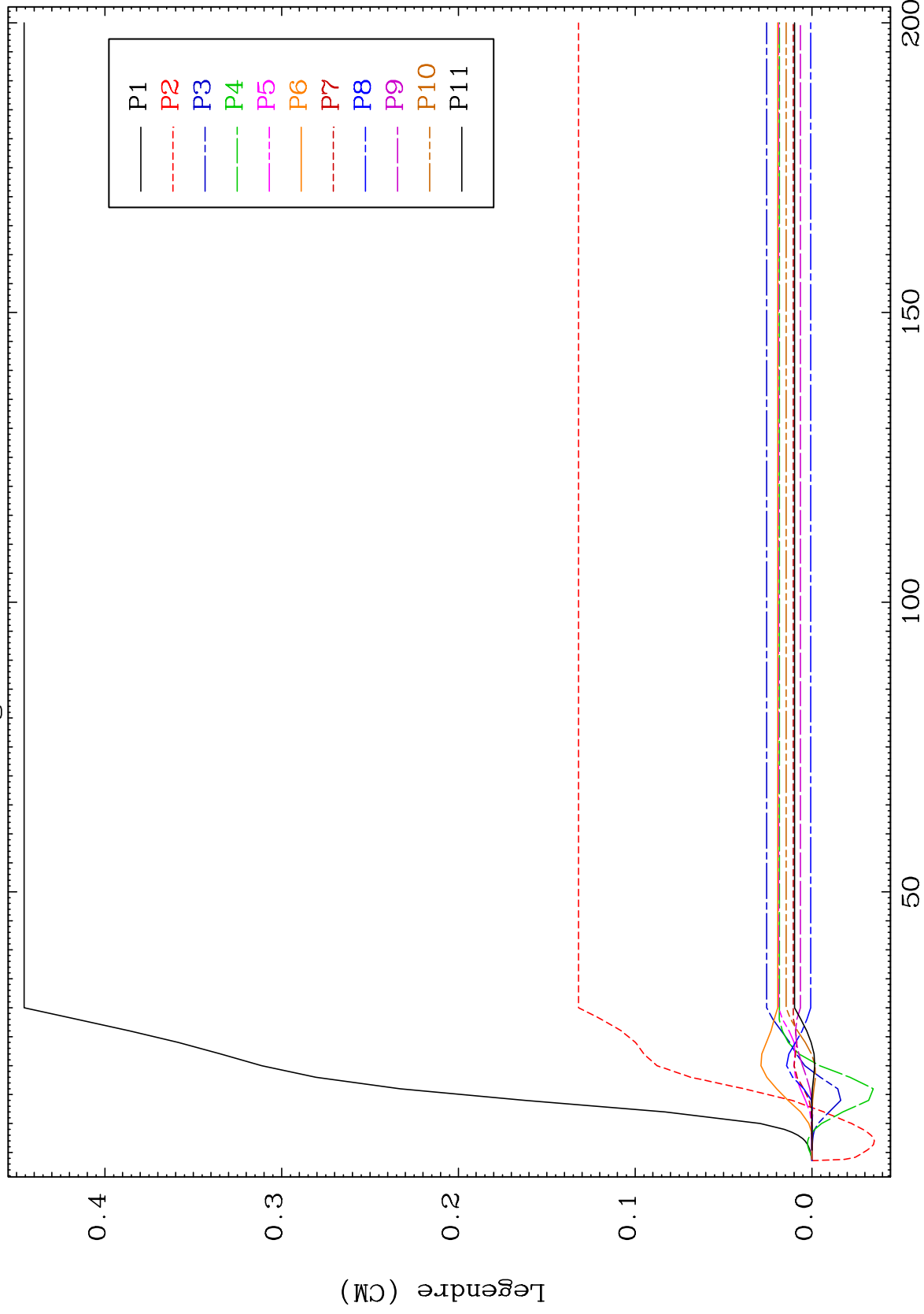
28-Ni-58



MAT 2825

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

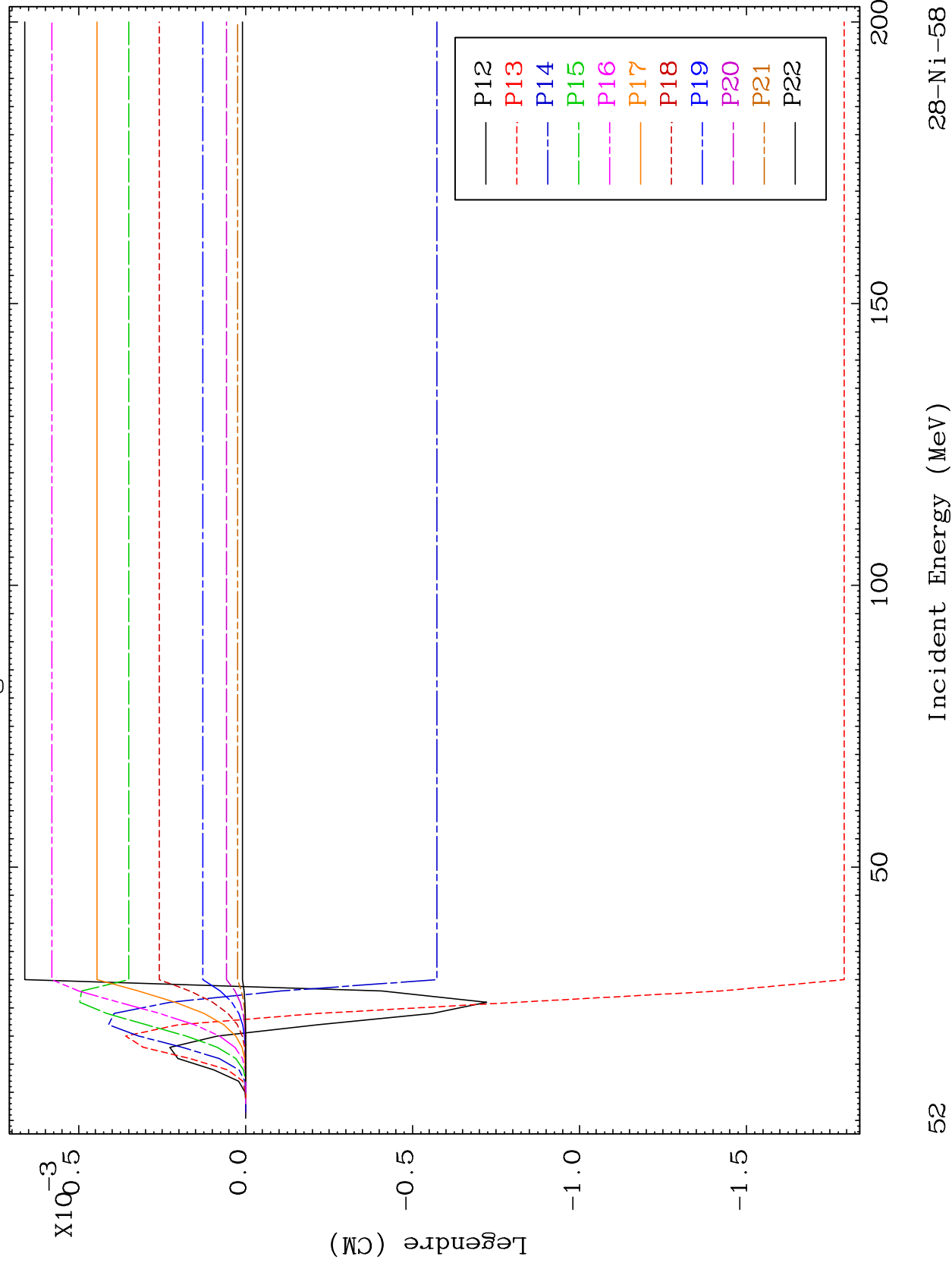
28-Ni-58



51

Incident Energy (MeV)

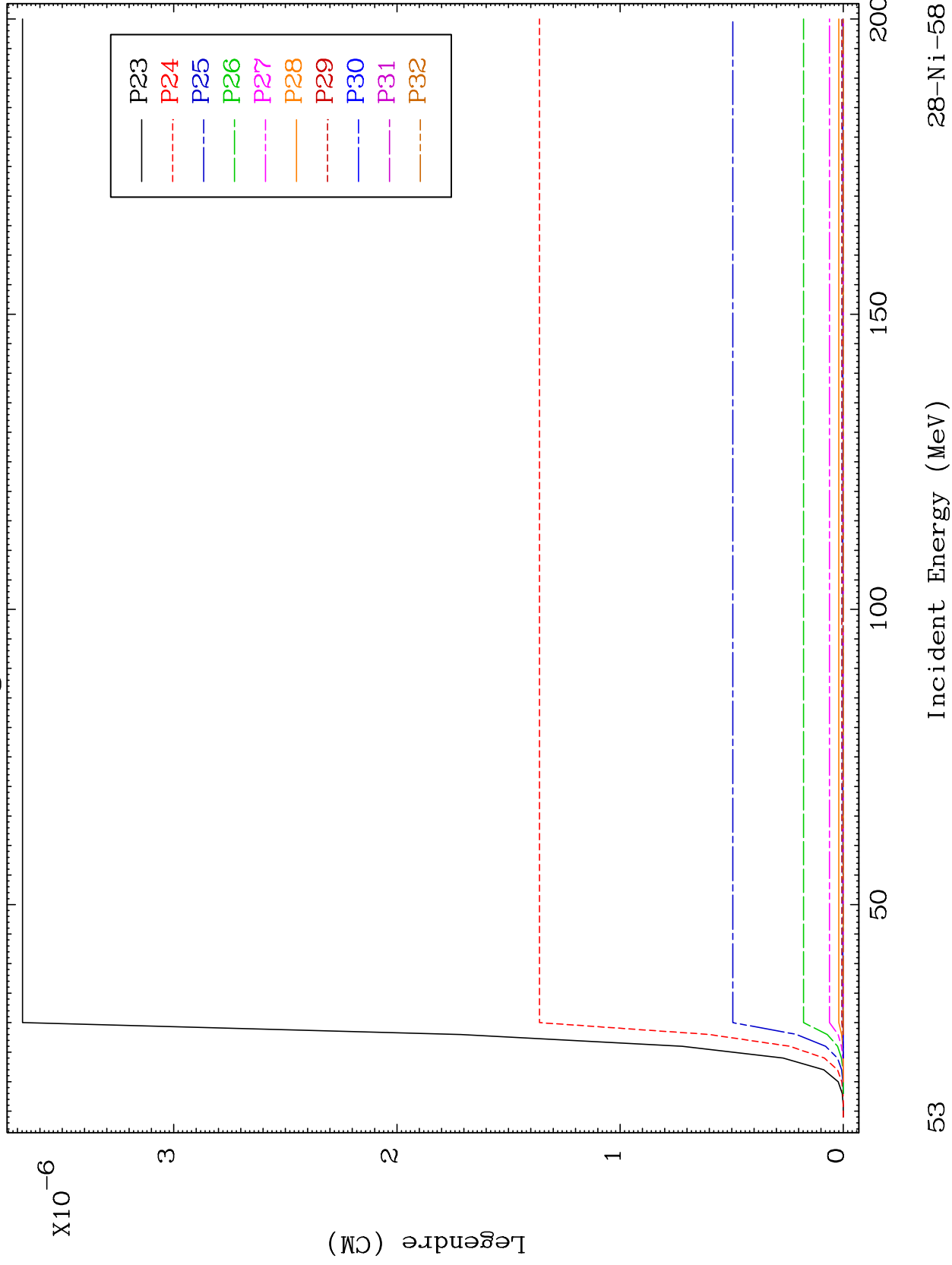
28-Ni-58



MAT 2825

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

28-Ni-58



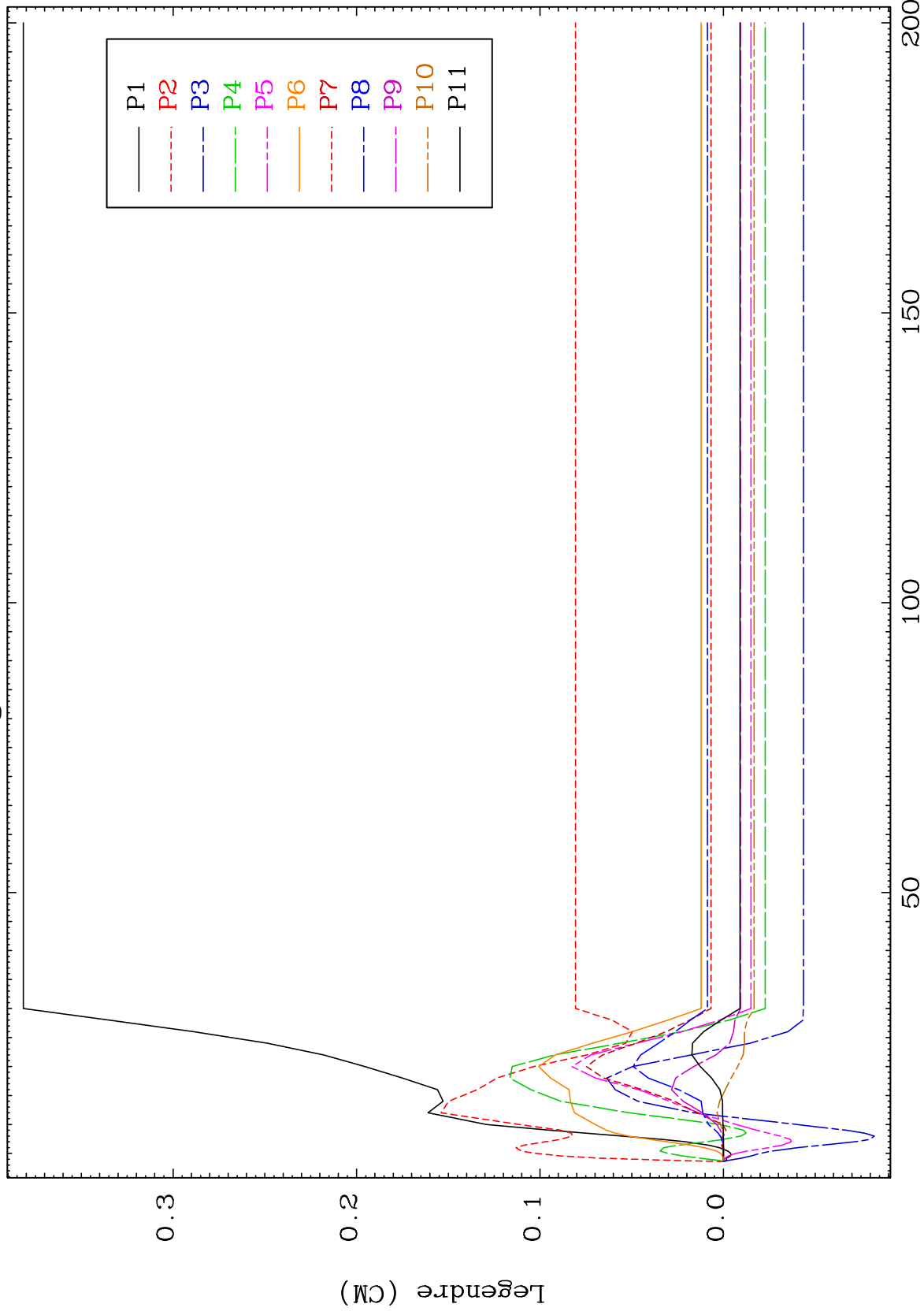
53

28-Ni-58

MAT 2825

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

28-Ni-58



54

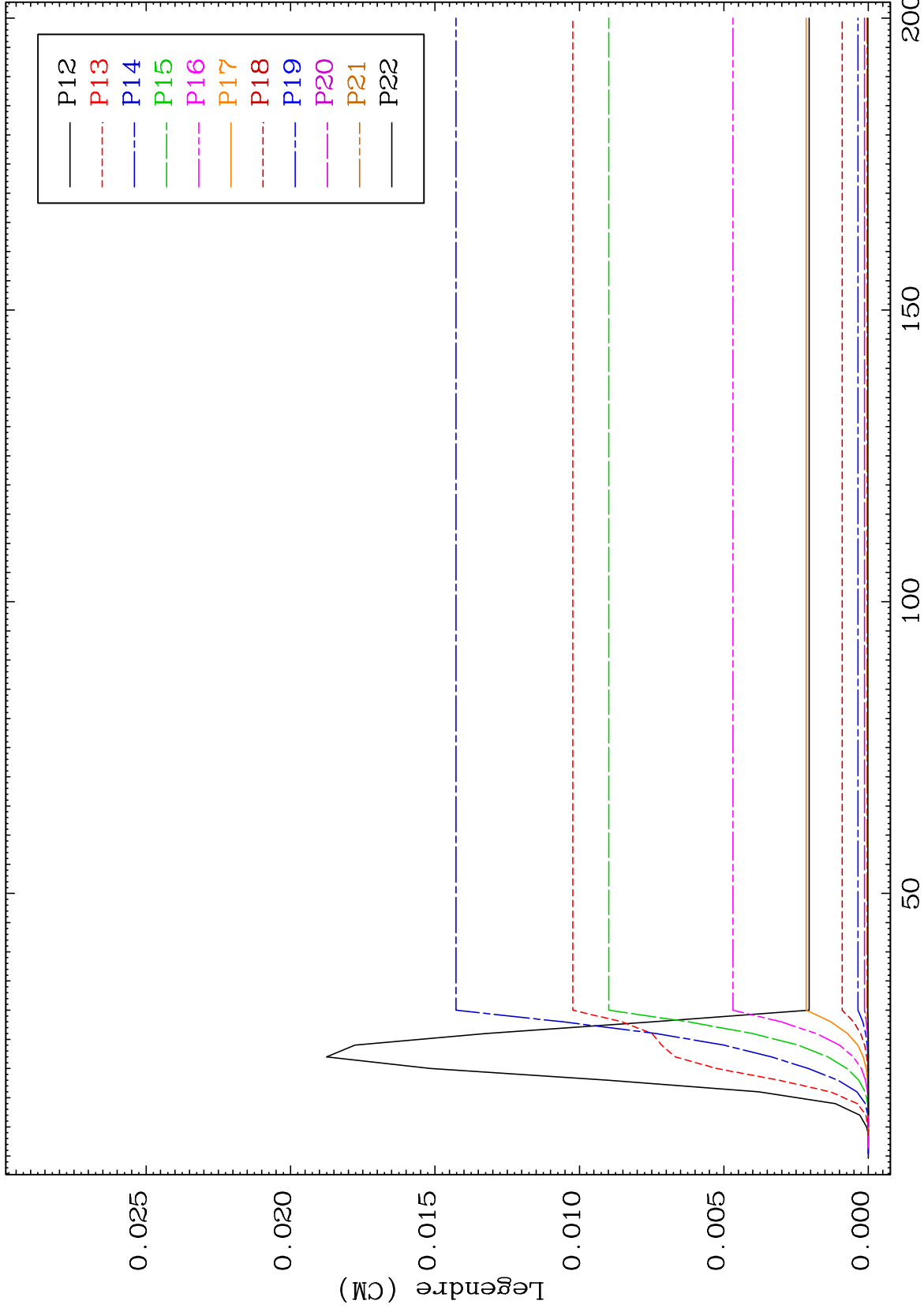
Incident Energy (MeV)

28-Ni-58

MAT 2825

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

28-Ni-58



55

Incident Energy (MeV)

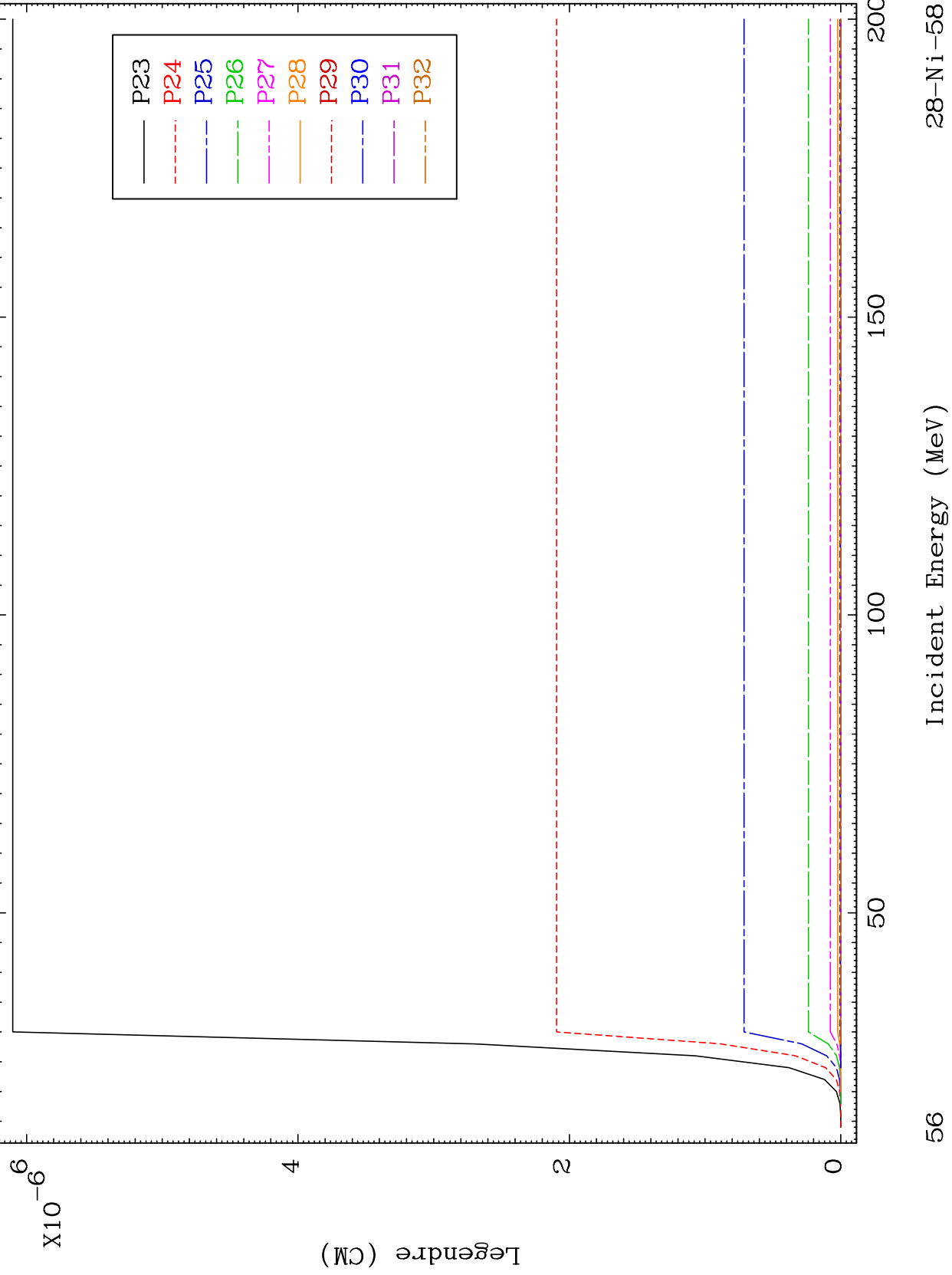
28-Ni-58



MAT 2825

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

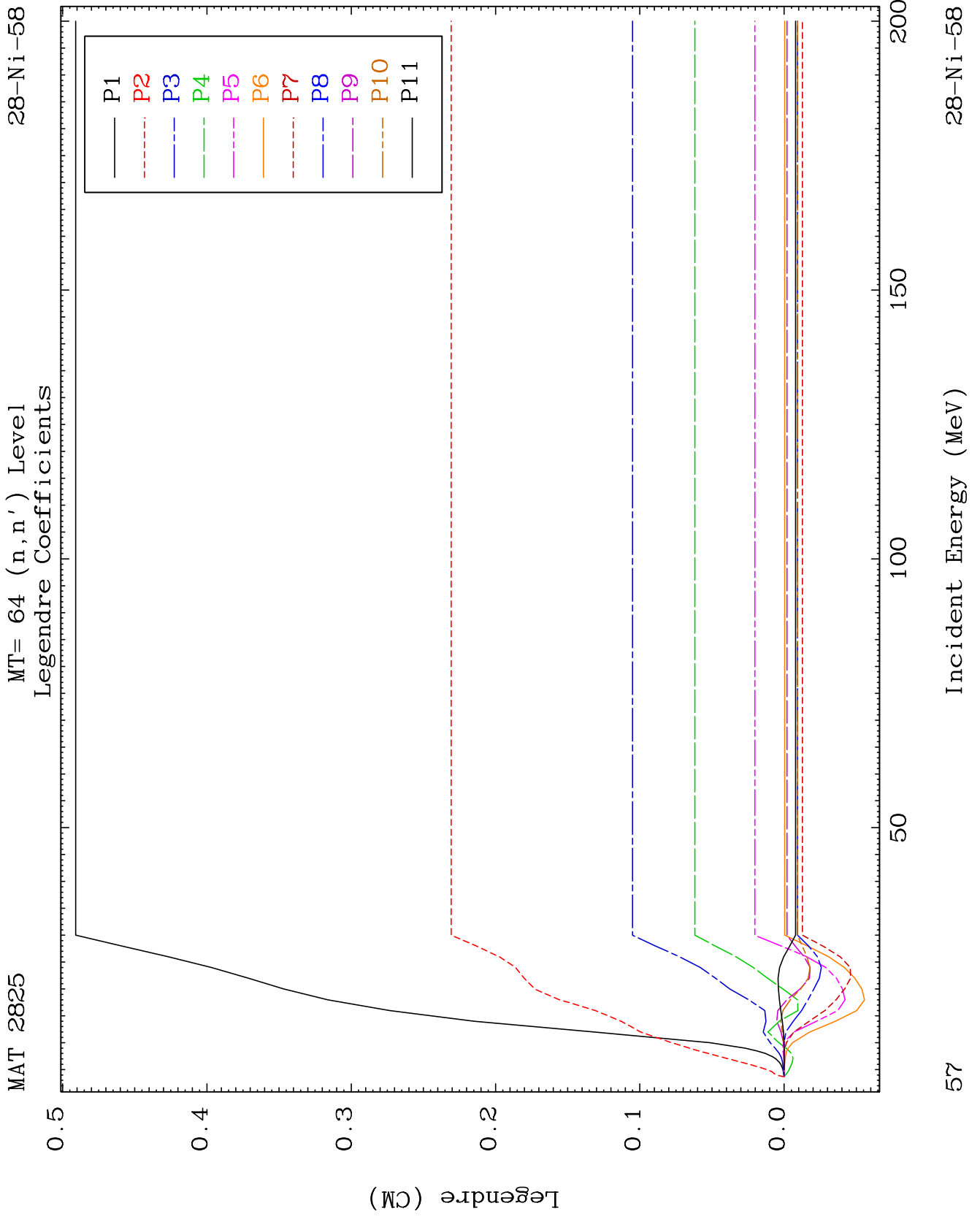
28-Ni-58



56

Incident Energy (MeV)

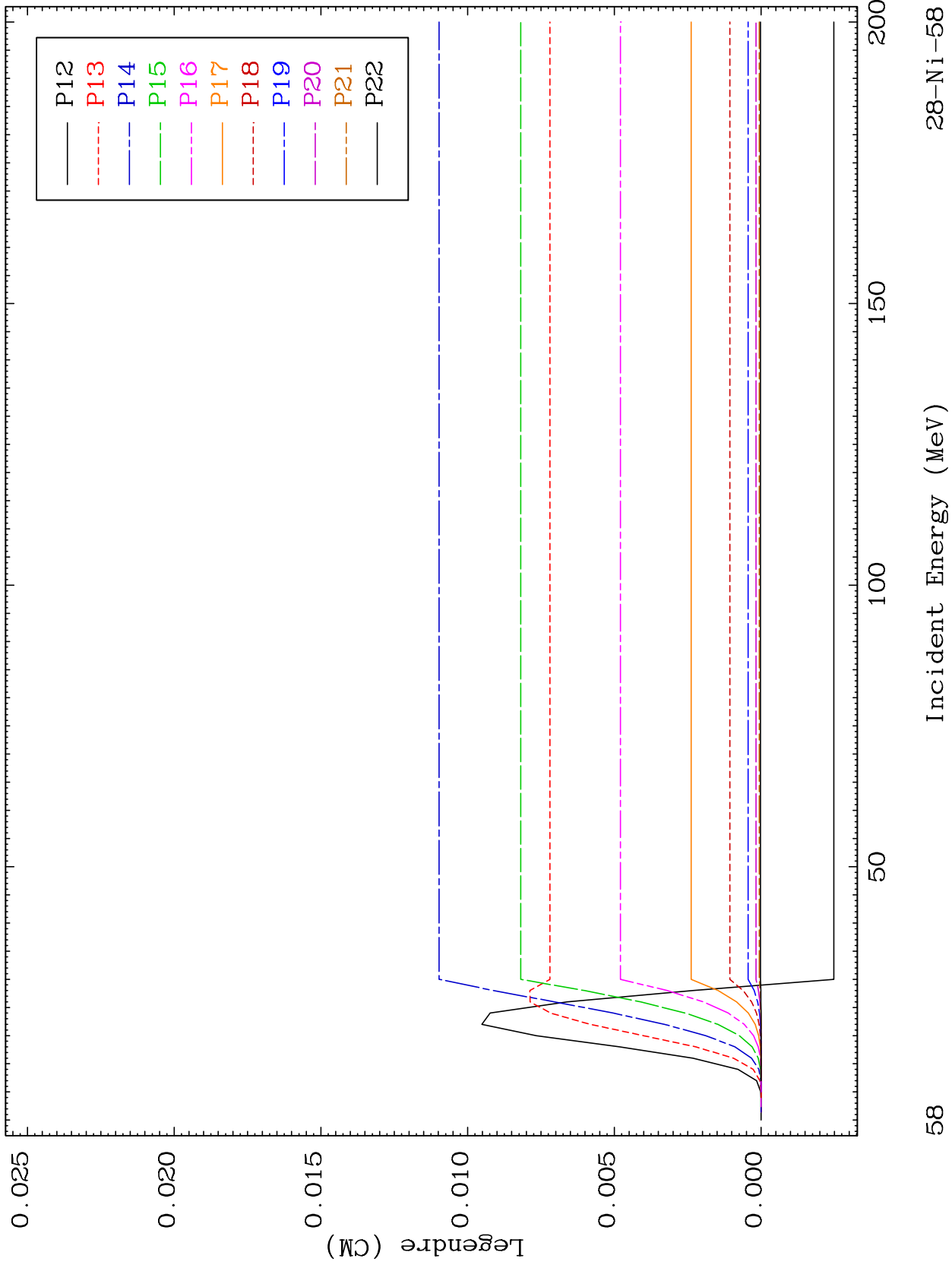
28-Ni-58



MAT 2825

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

28-Ni-58



58

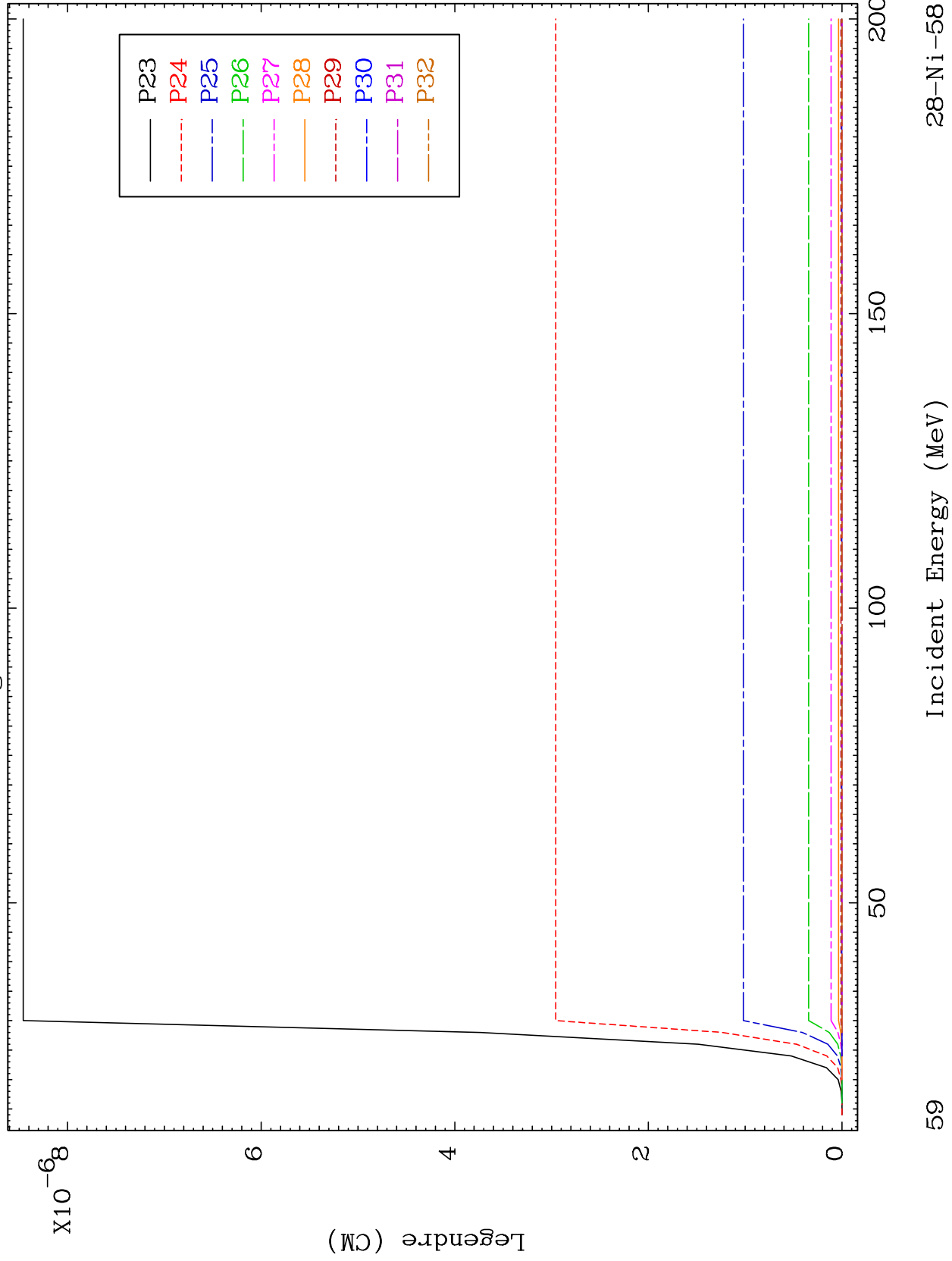
Incident Energy (MeV)

28-Ni-58

MAT 2825

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

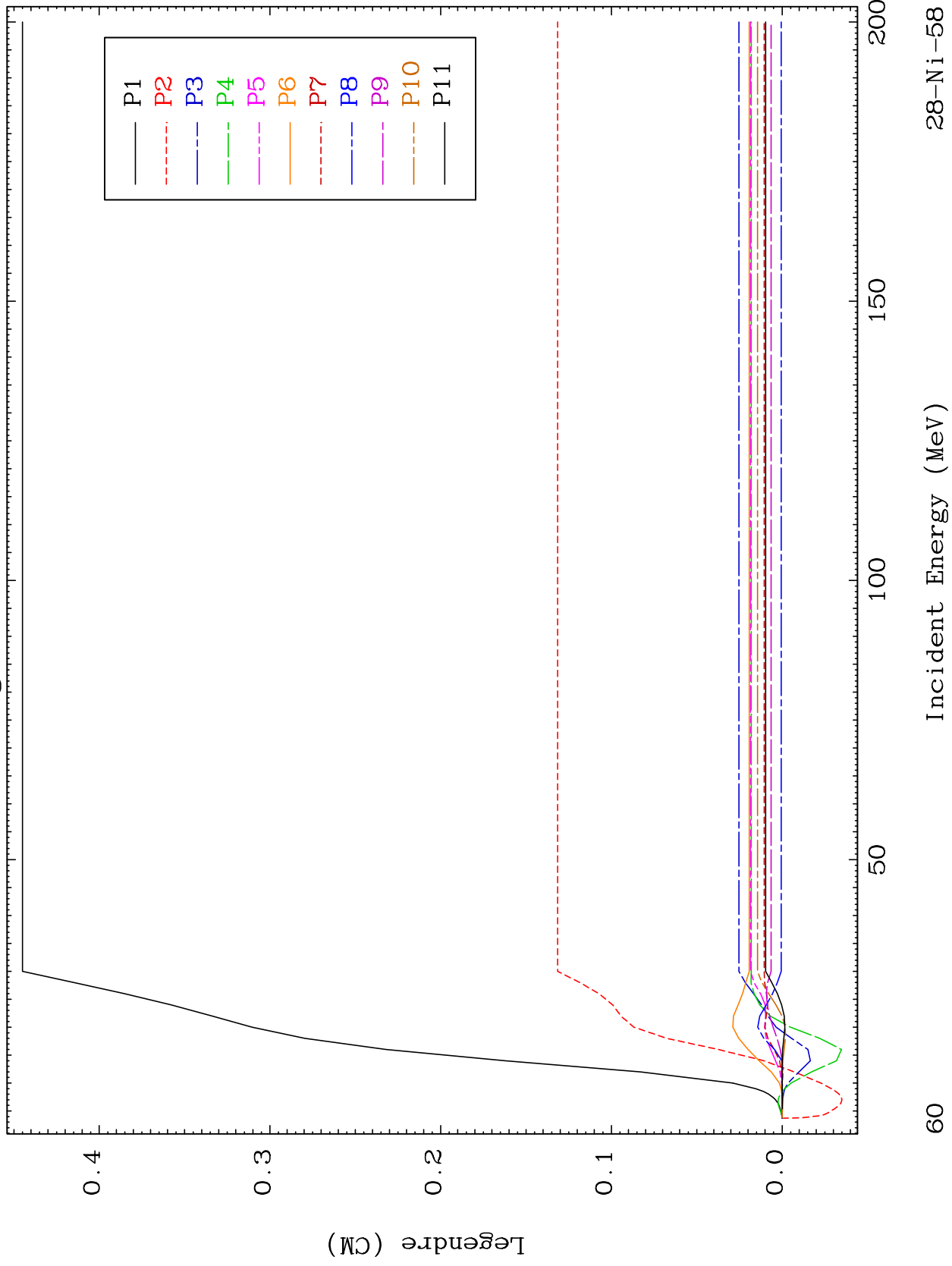
28-Ni-58



MAT 2825

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

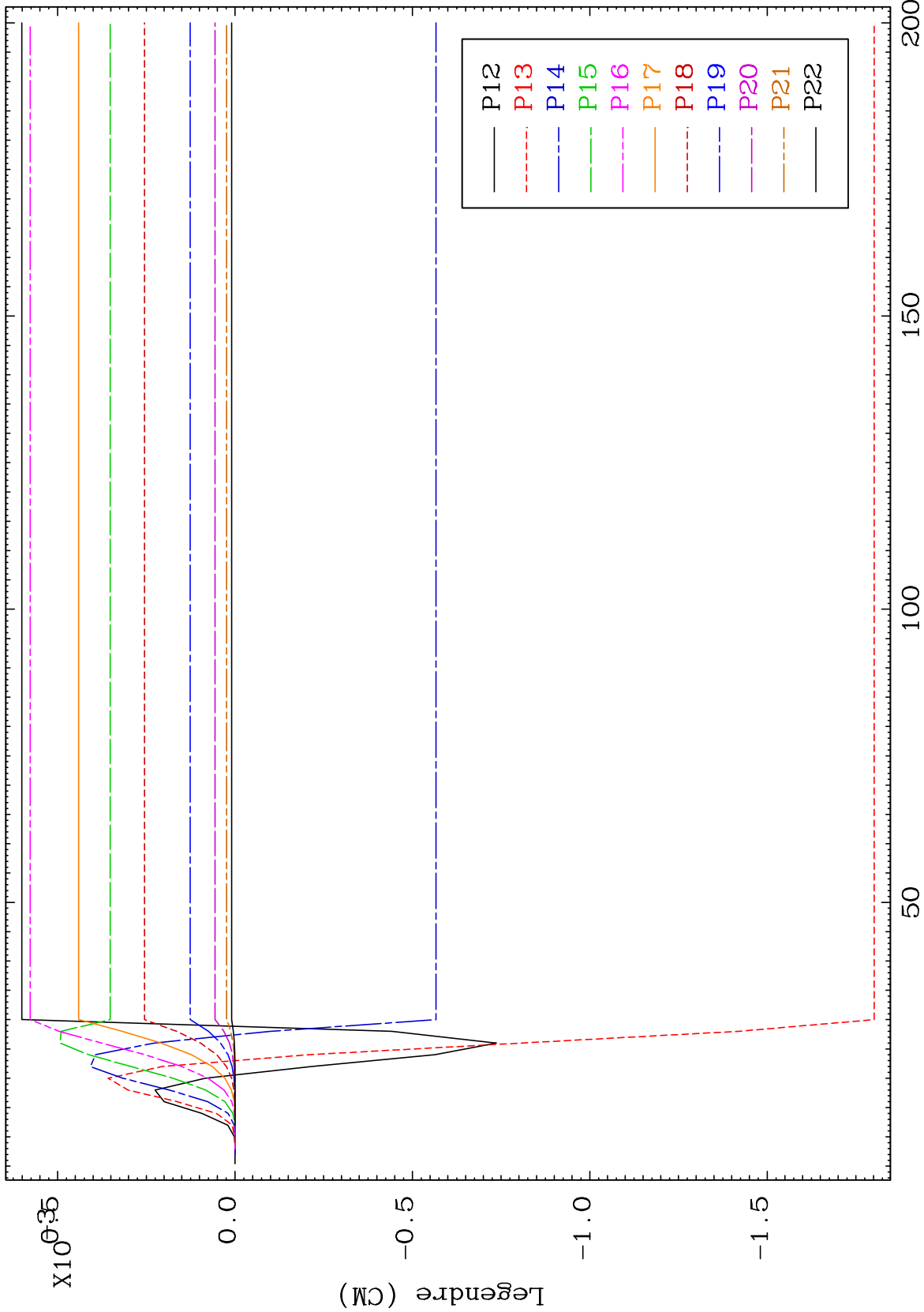
28-Ni-58



28-Ni-58

Incident Energy (MeV)

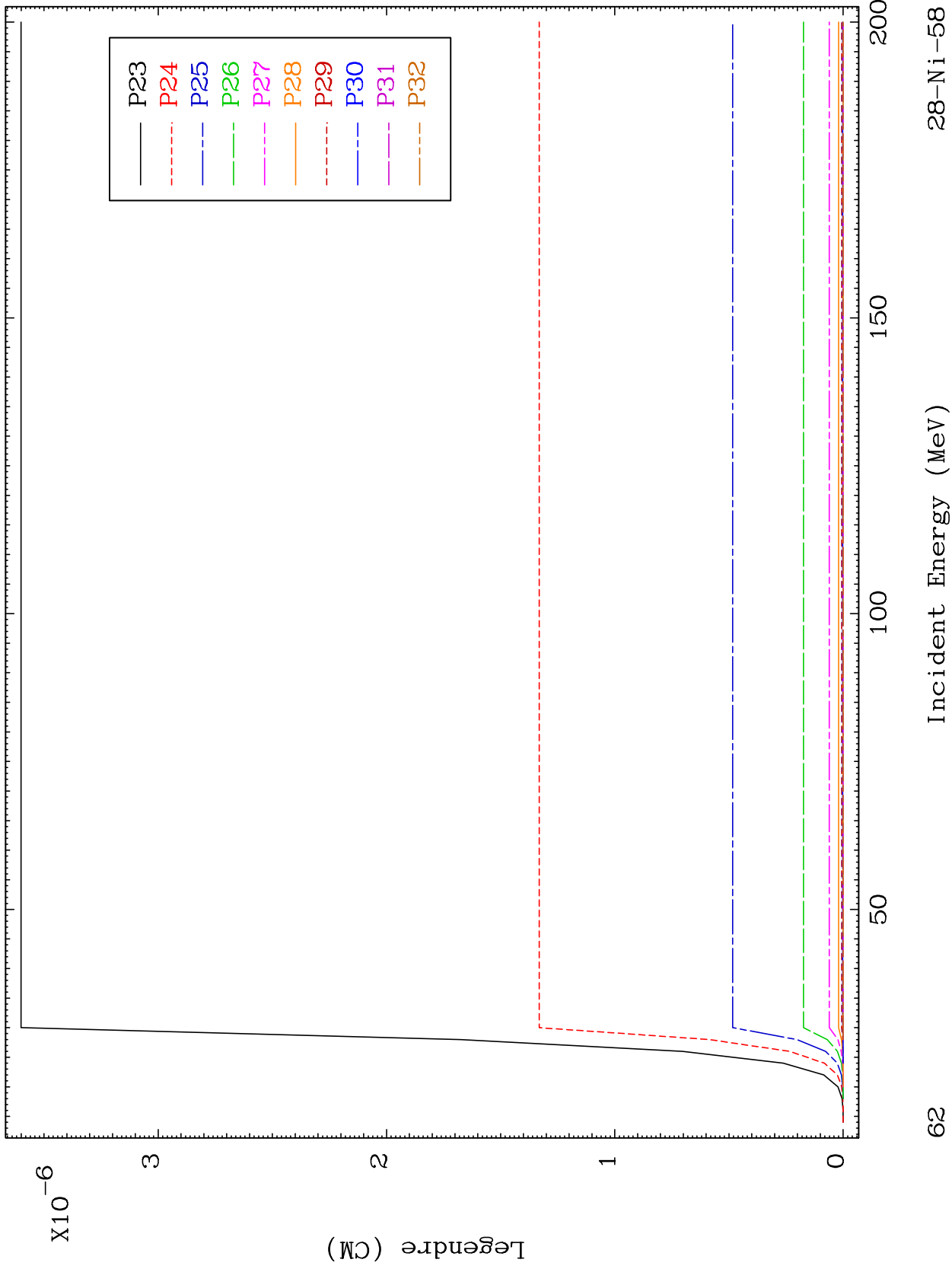
60



MAT 2825

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

28-Ni-58



62

Incident Energy (MeV)

28-Ni-58

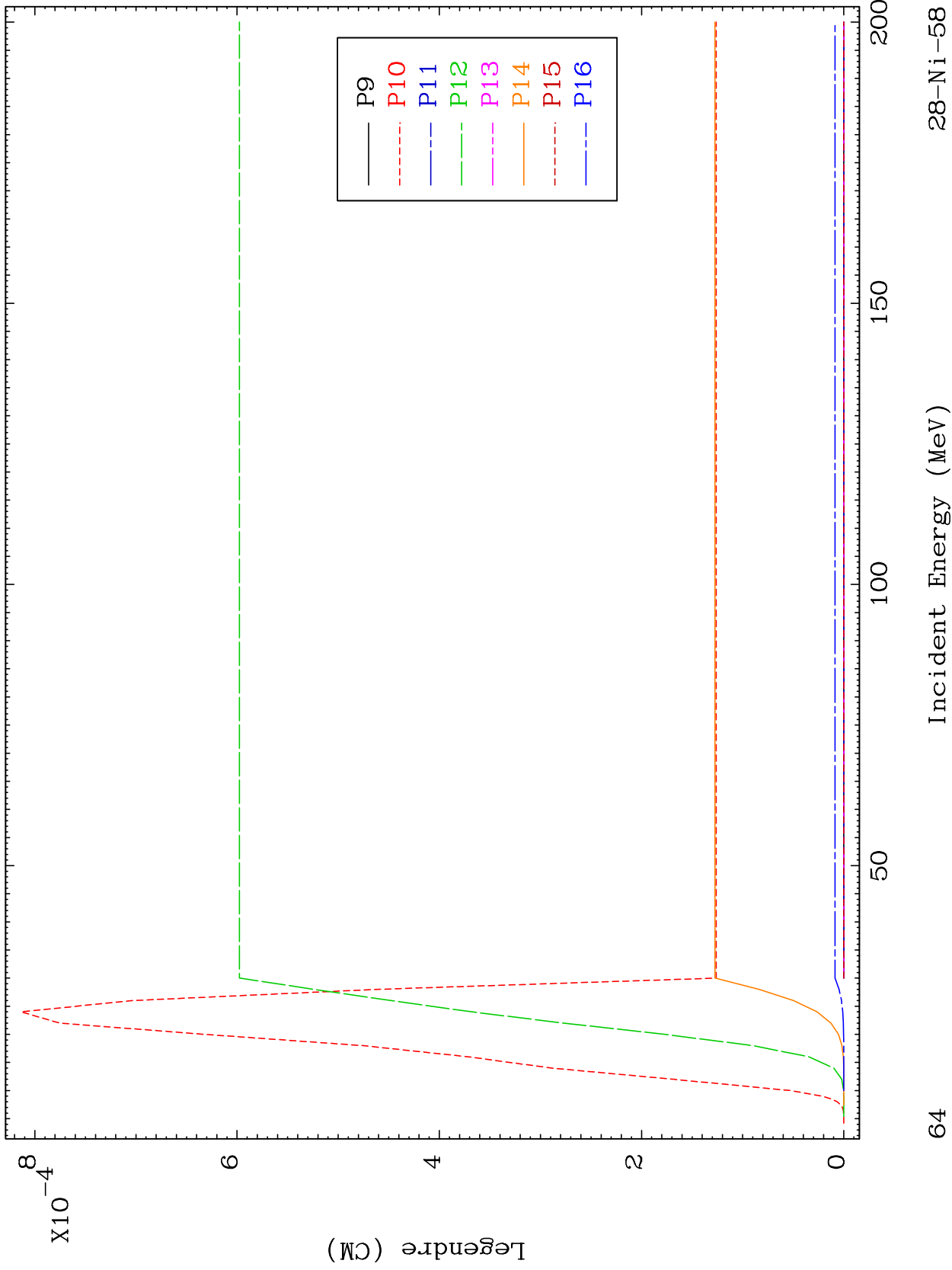




MAT 2825

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

28-Ni-58



64

Incident Energy (MeV)

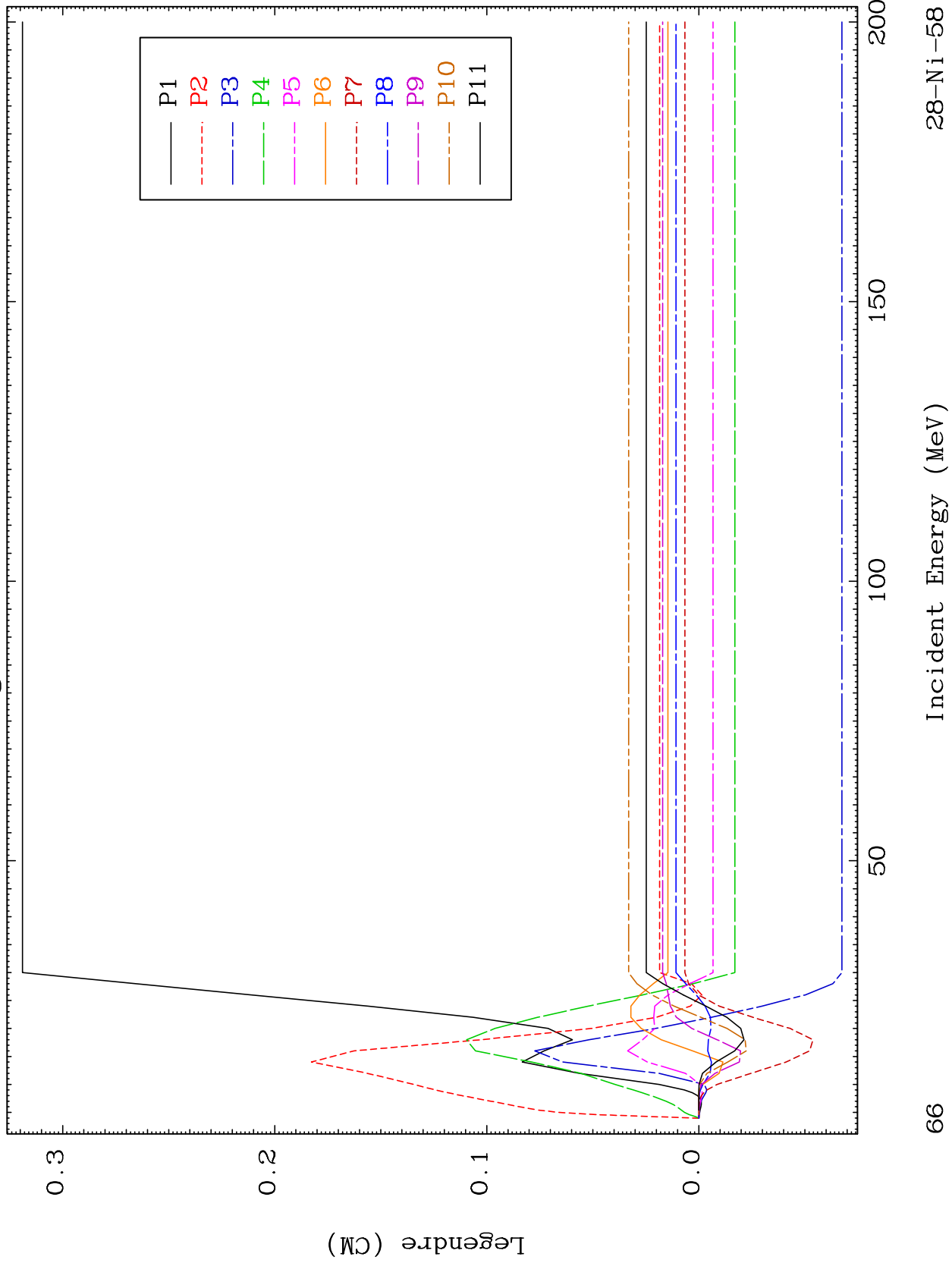
28-Ni-58



MAT 2825

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

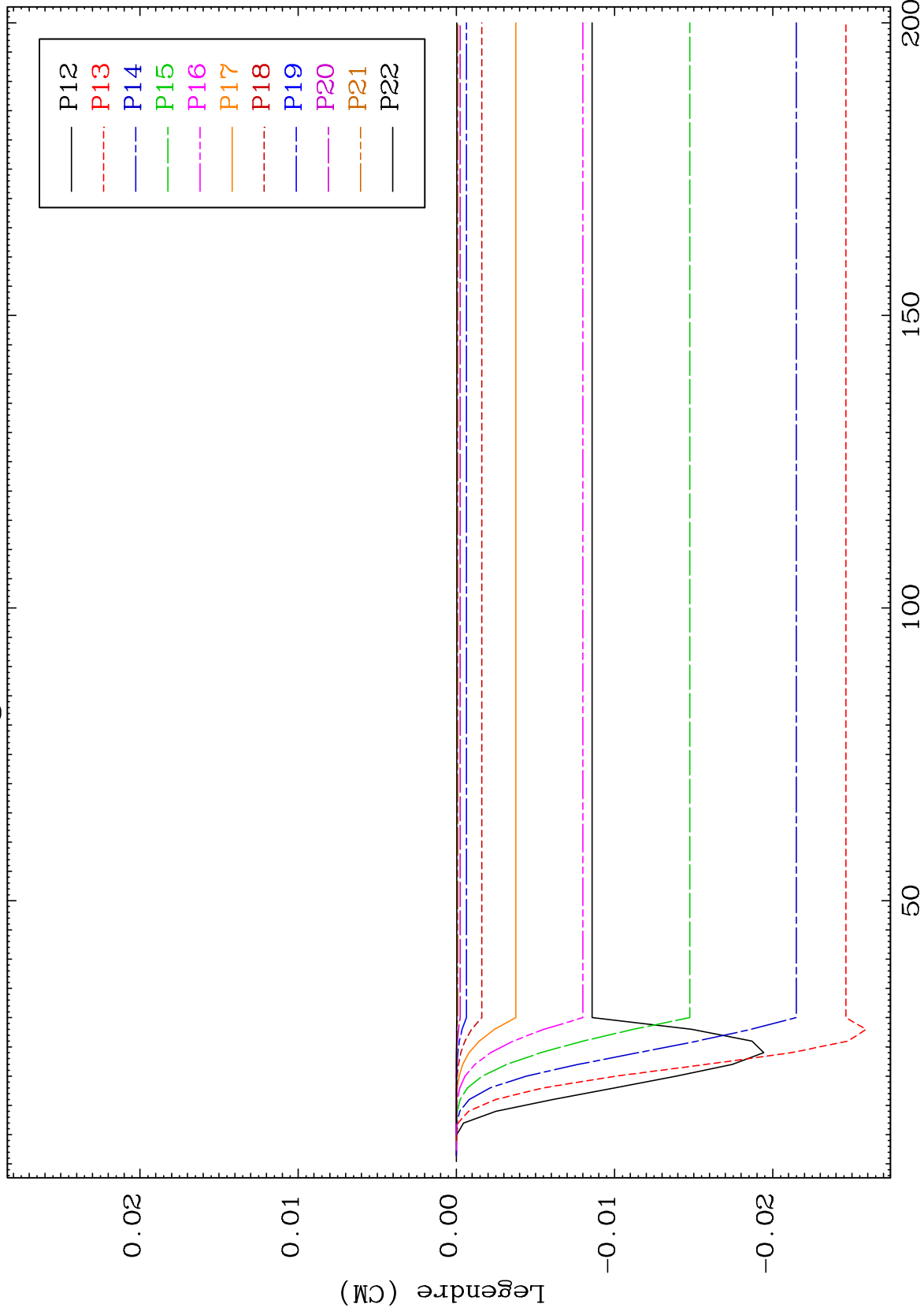
28-Ni-58



MAT 2825

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

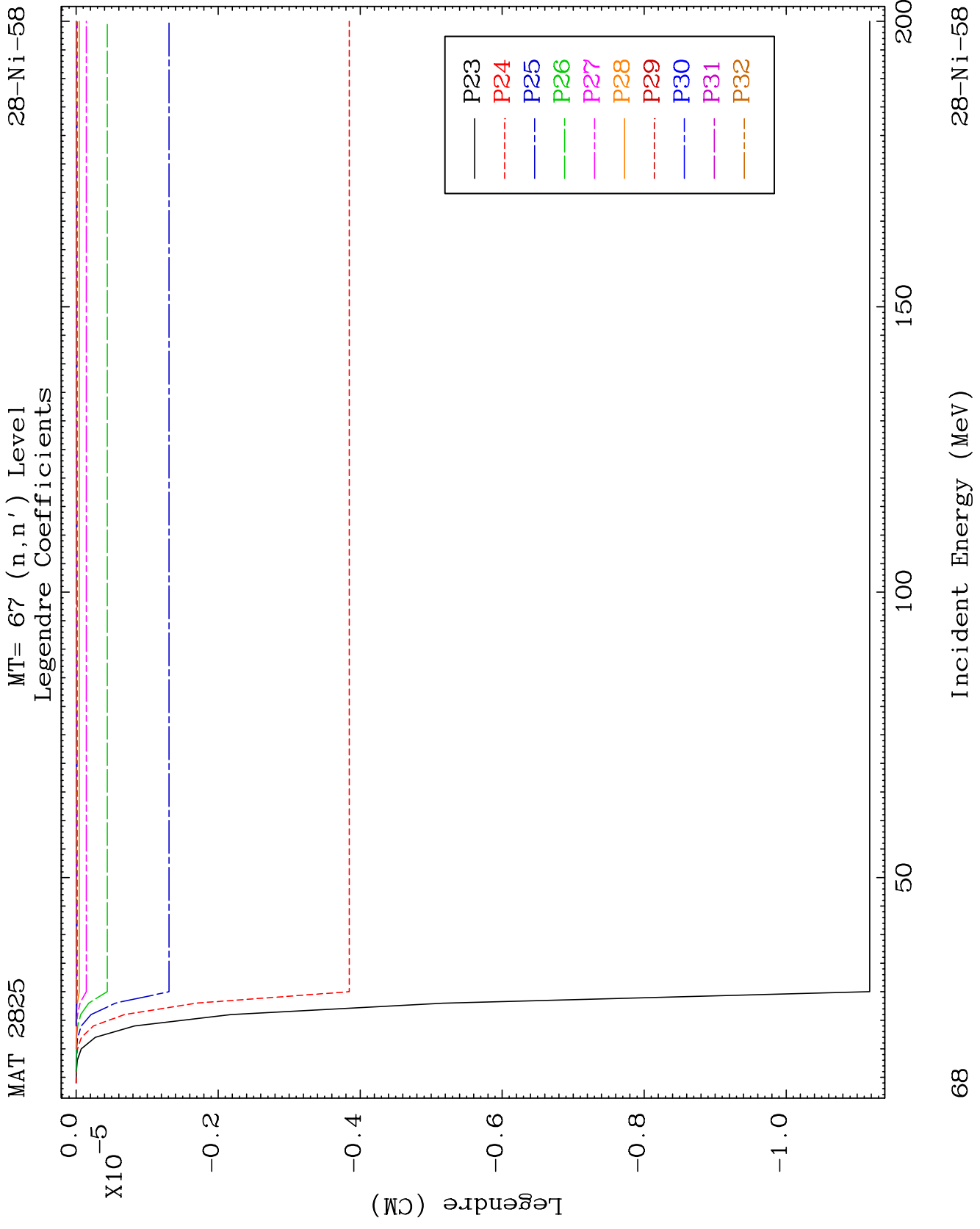
28-Ni-58



67

Incident Energy (MeV)

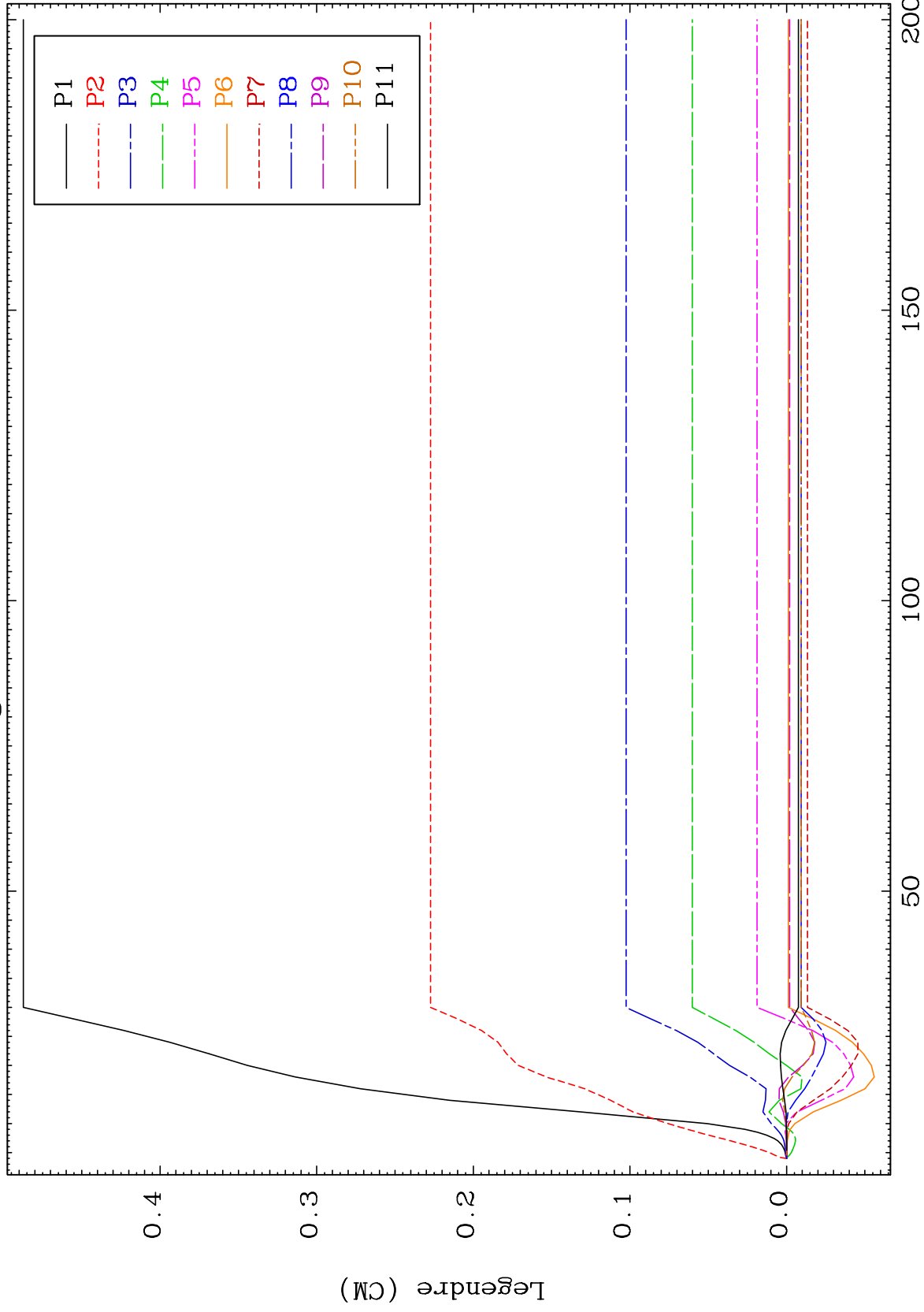
28-Ni-58



MAT 2825

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

28-Ni-58



69

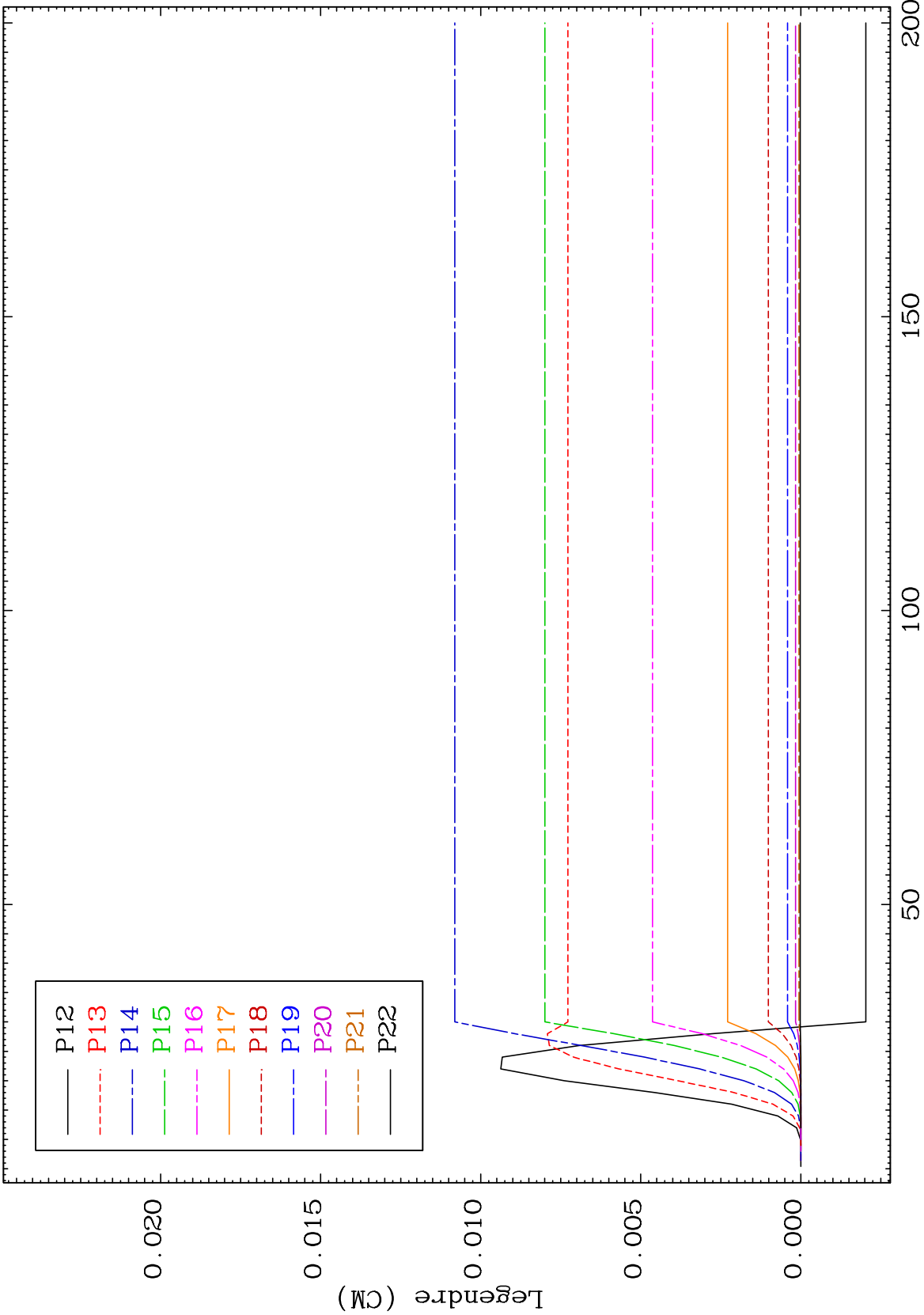
Incident Energy (MeV)

28-Ni-58

MAT 2825

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

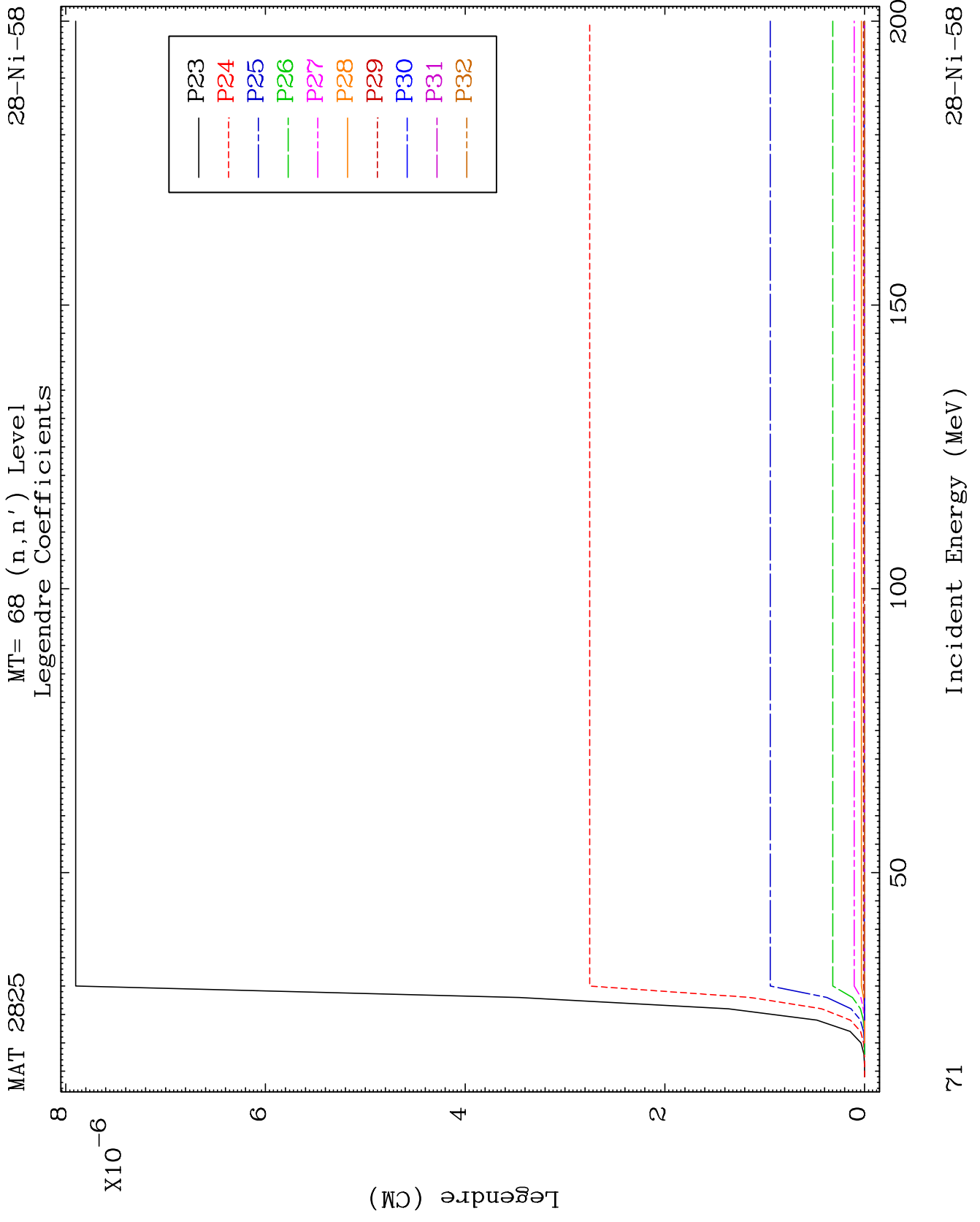
28-Ni-58



70

Incident Energy (MeV)

28-Ni-58

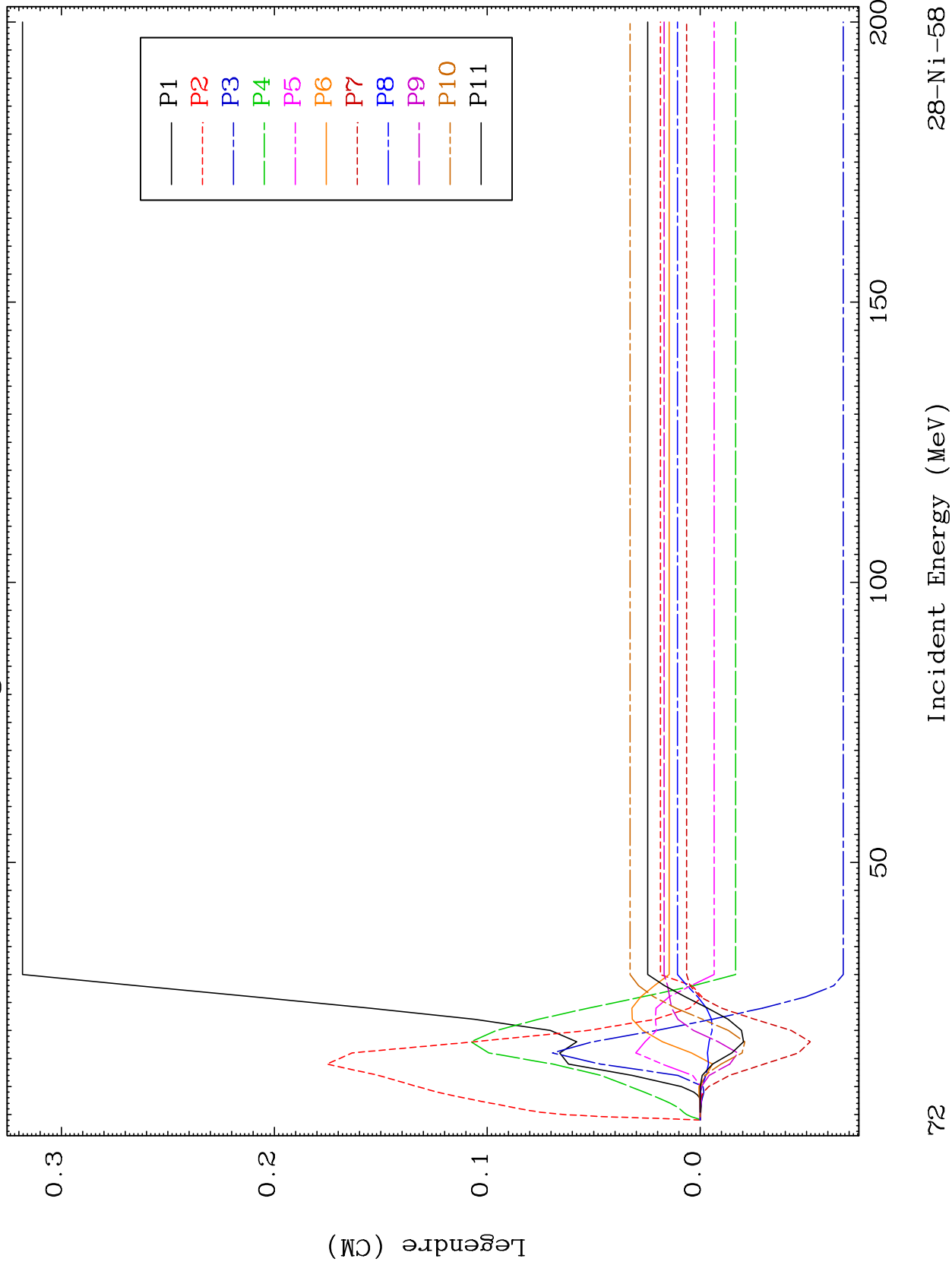




MAT 2825

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

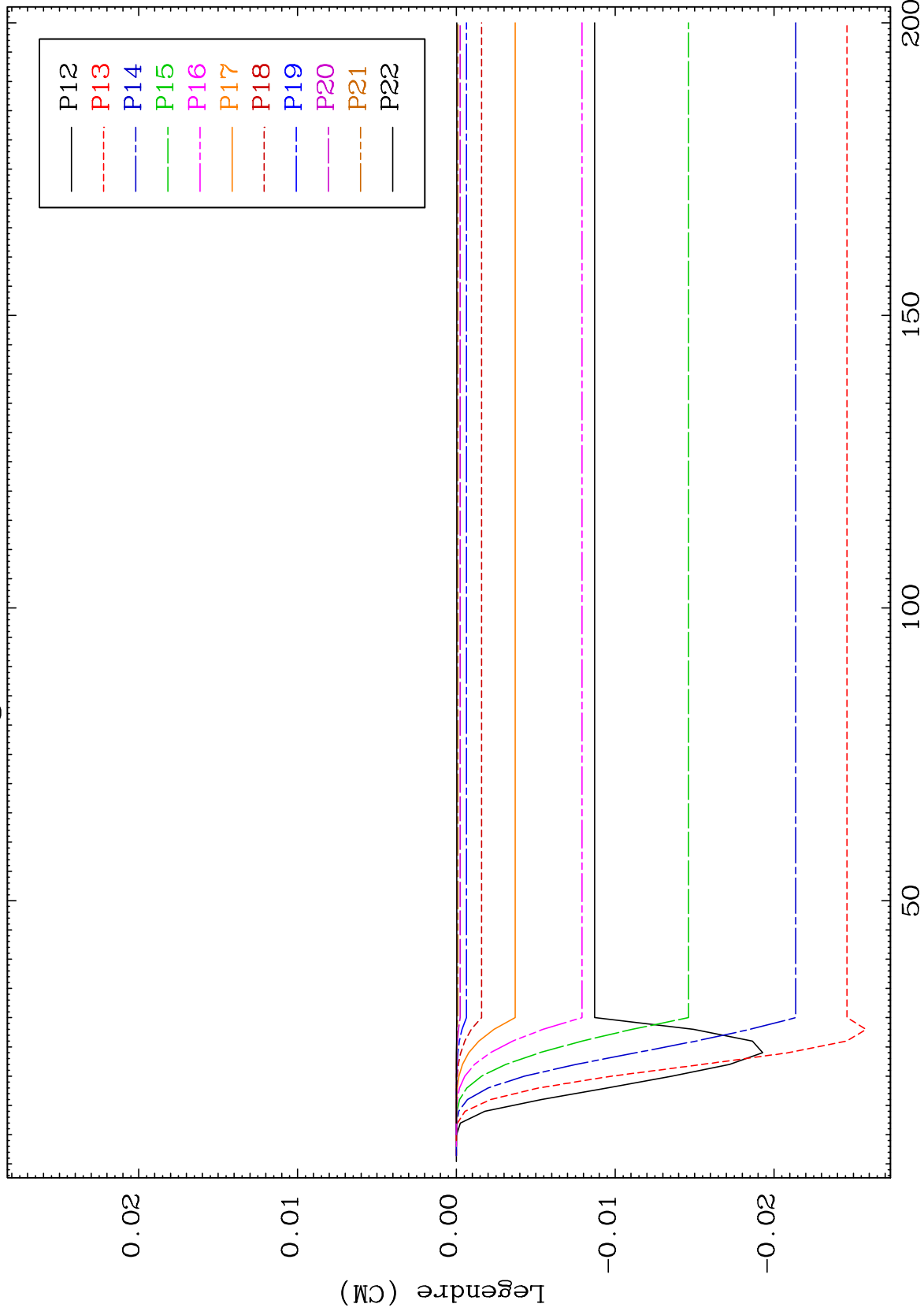
28-Ni-58



MAT 2825

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

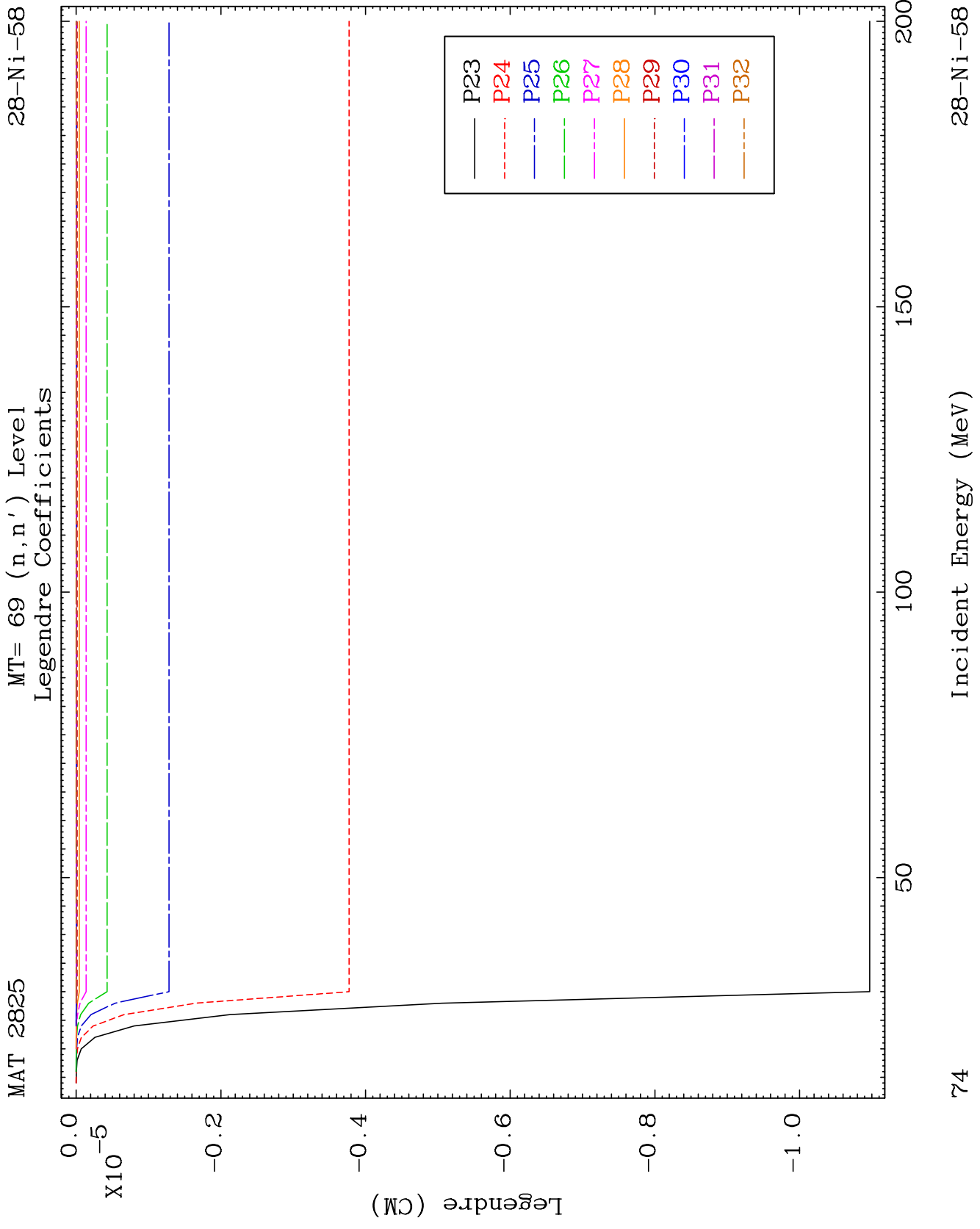
28-Ni-58



73

Incident Energy (MeV)

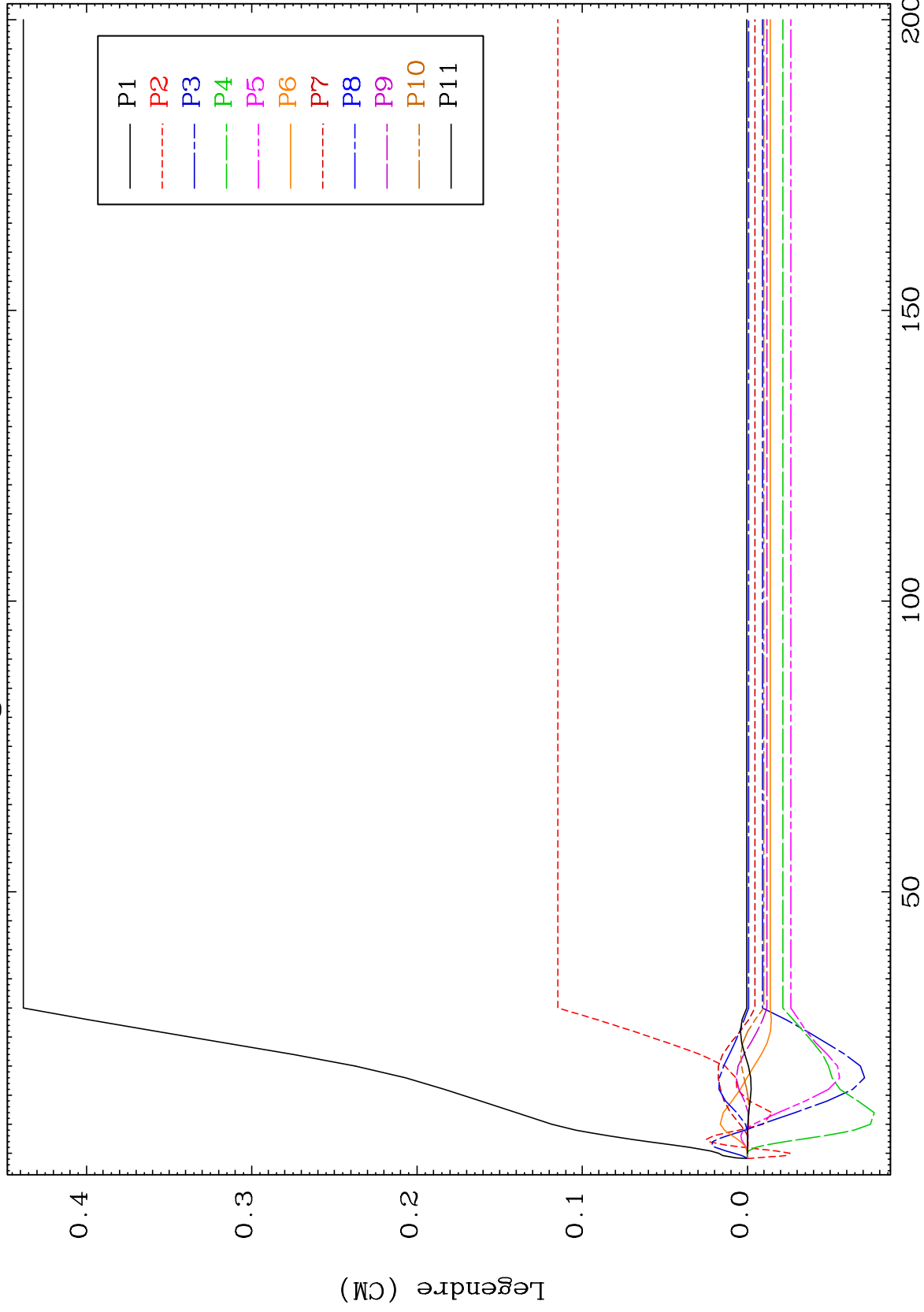
28-Ni-58



MAT 2825

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

28-Ni-58



75

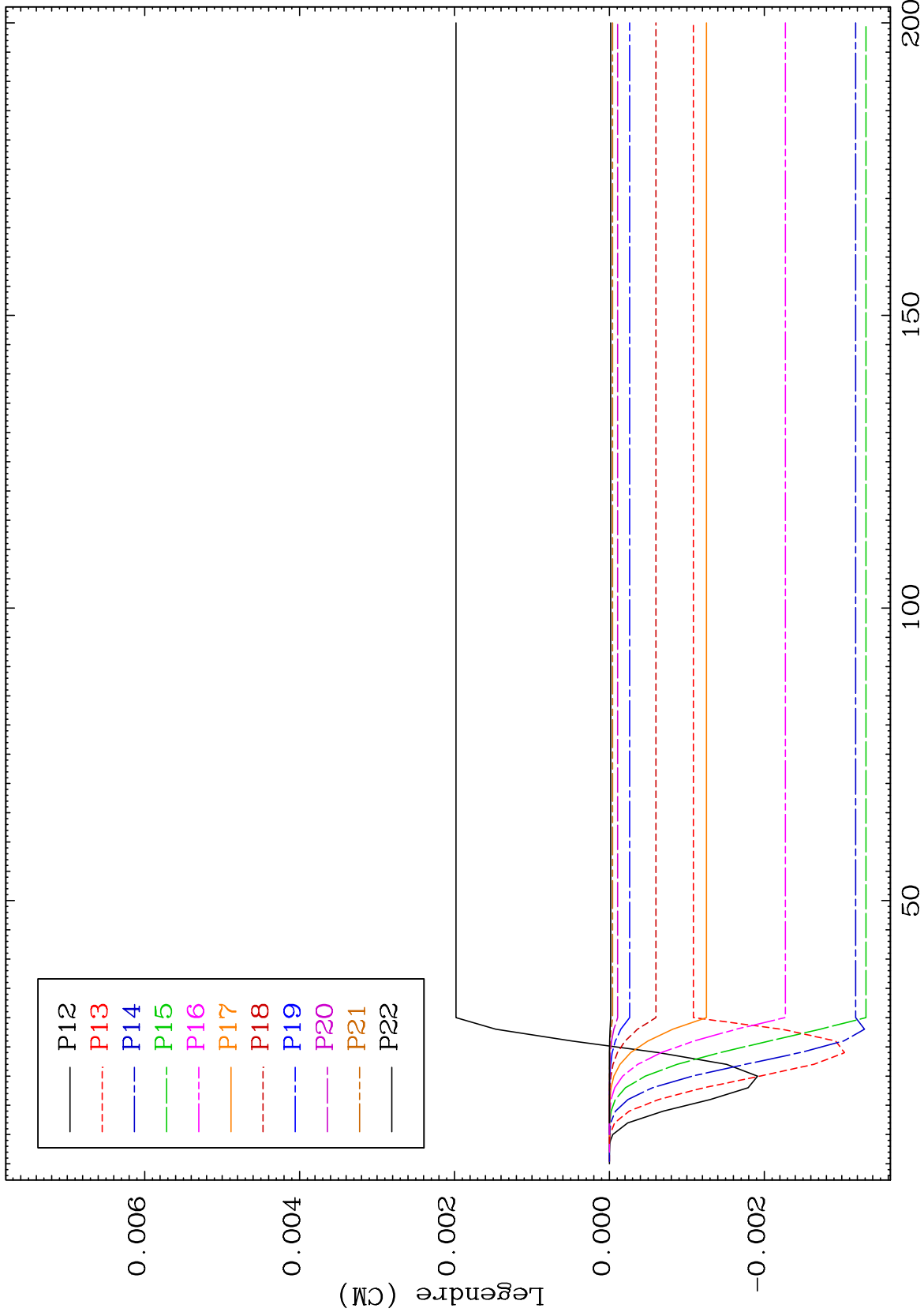
Incident Energy (MeV)

28-Ni-58

MAT 2825

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

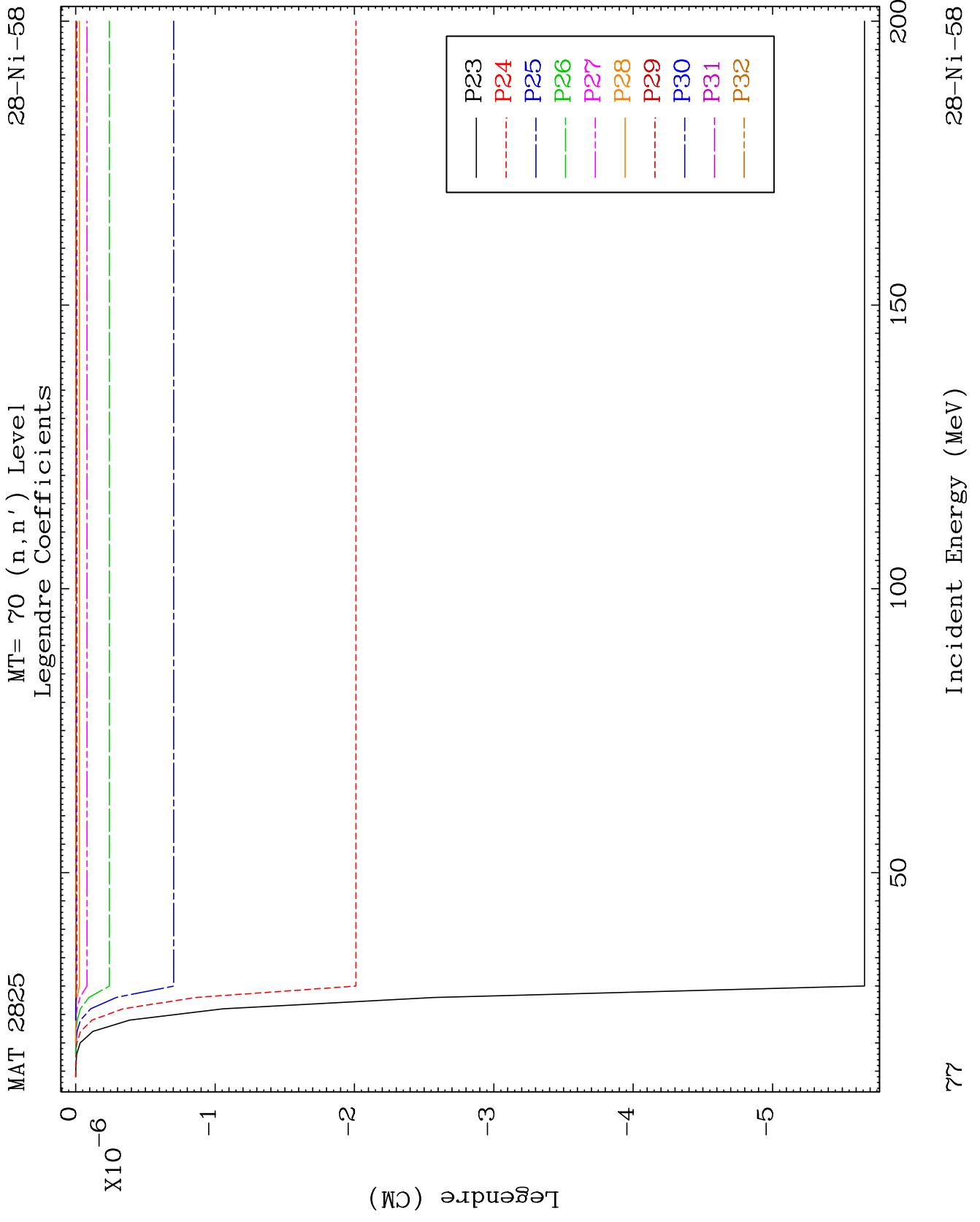
28-Ni-58



76

Incident Energy (MeV)

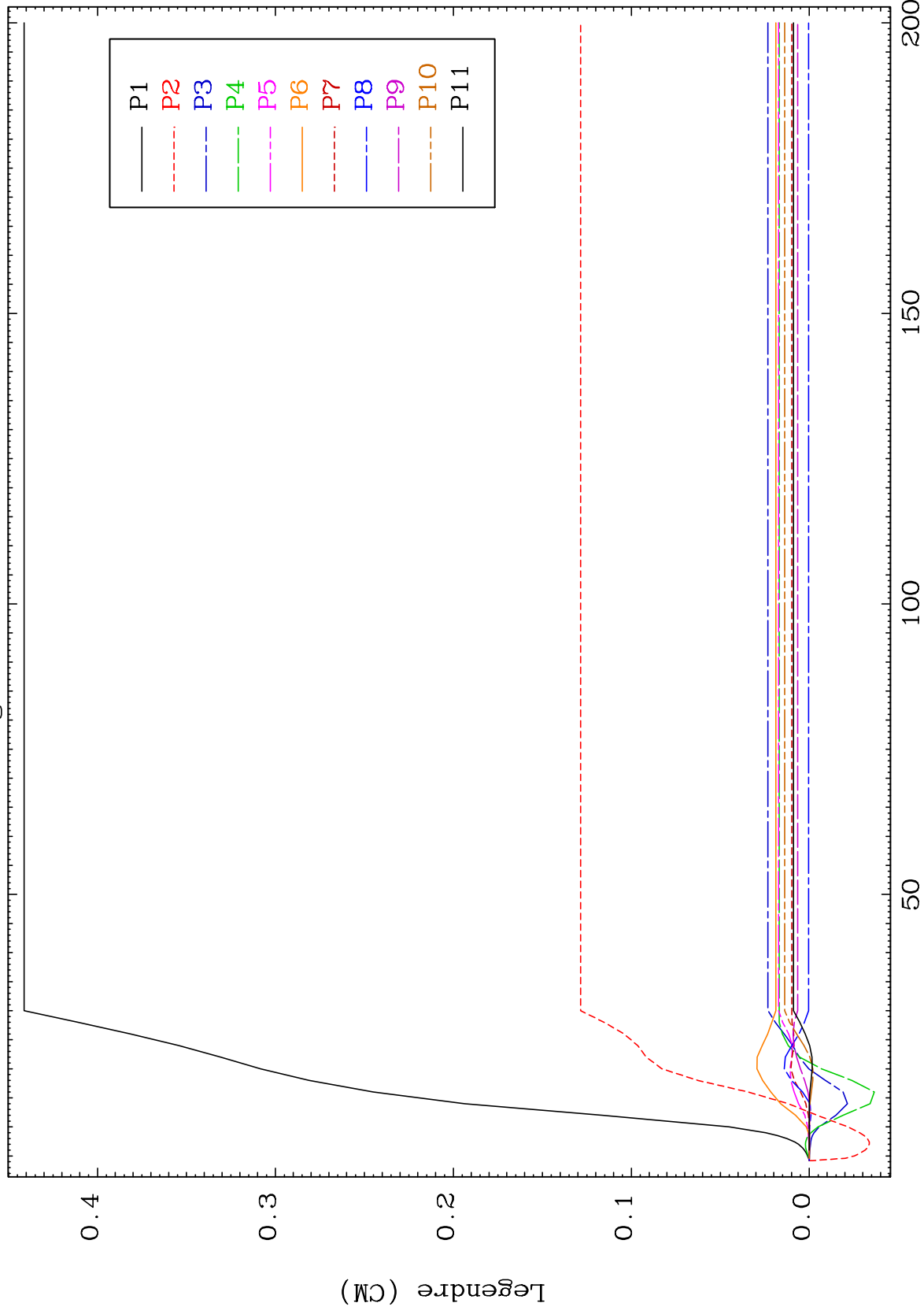
28-Ni-58



MAT 2825

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

28-Ni-58



78

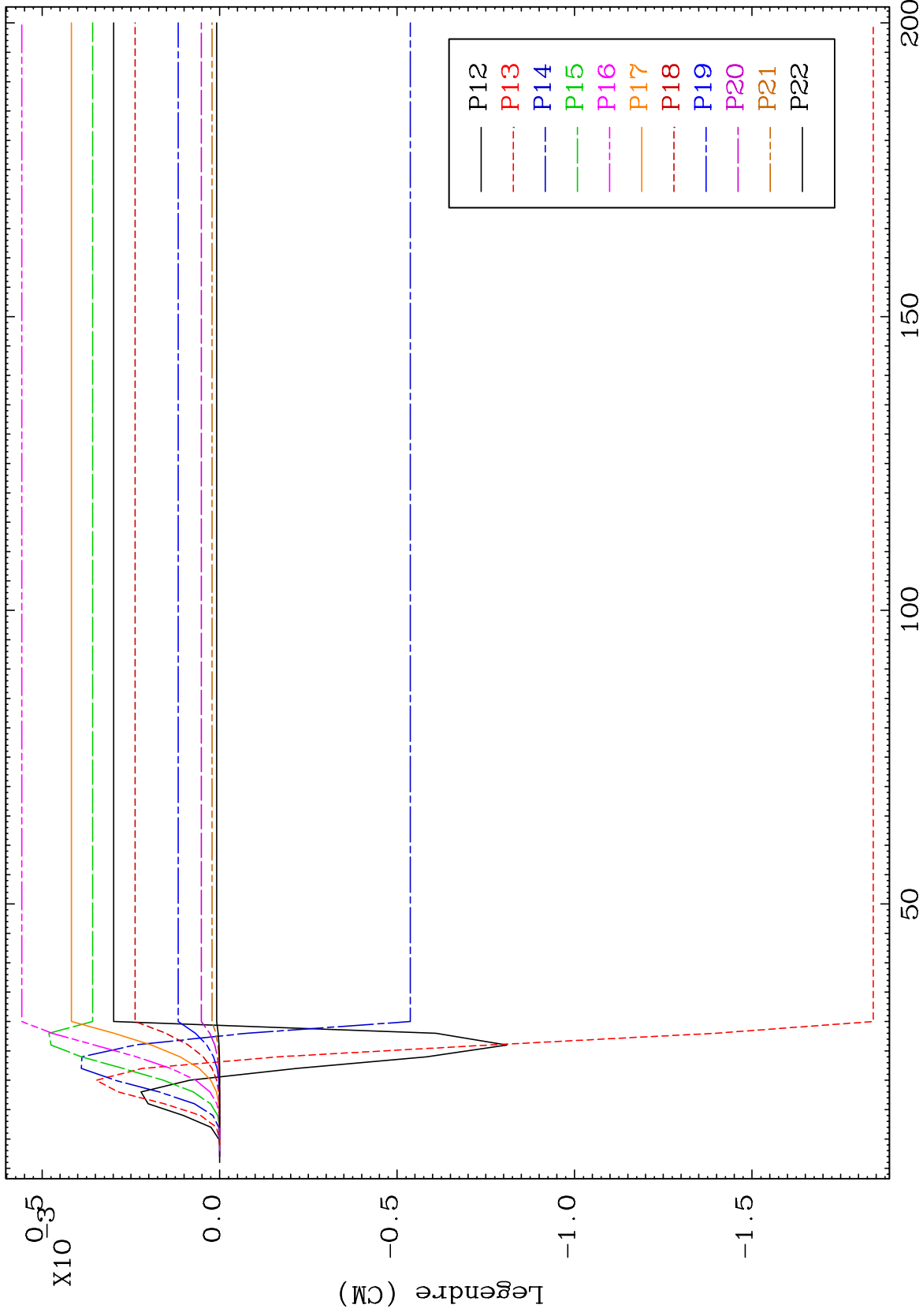
Incident Energy (MeV)

28-Ni-58

MAT 2825

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

28-Ni-58



79

Incident Energy (MeV)

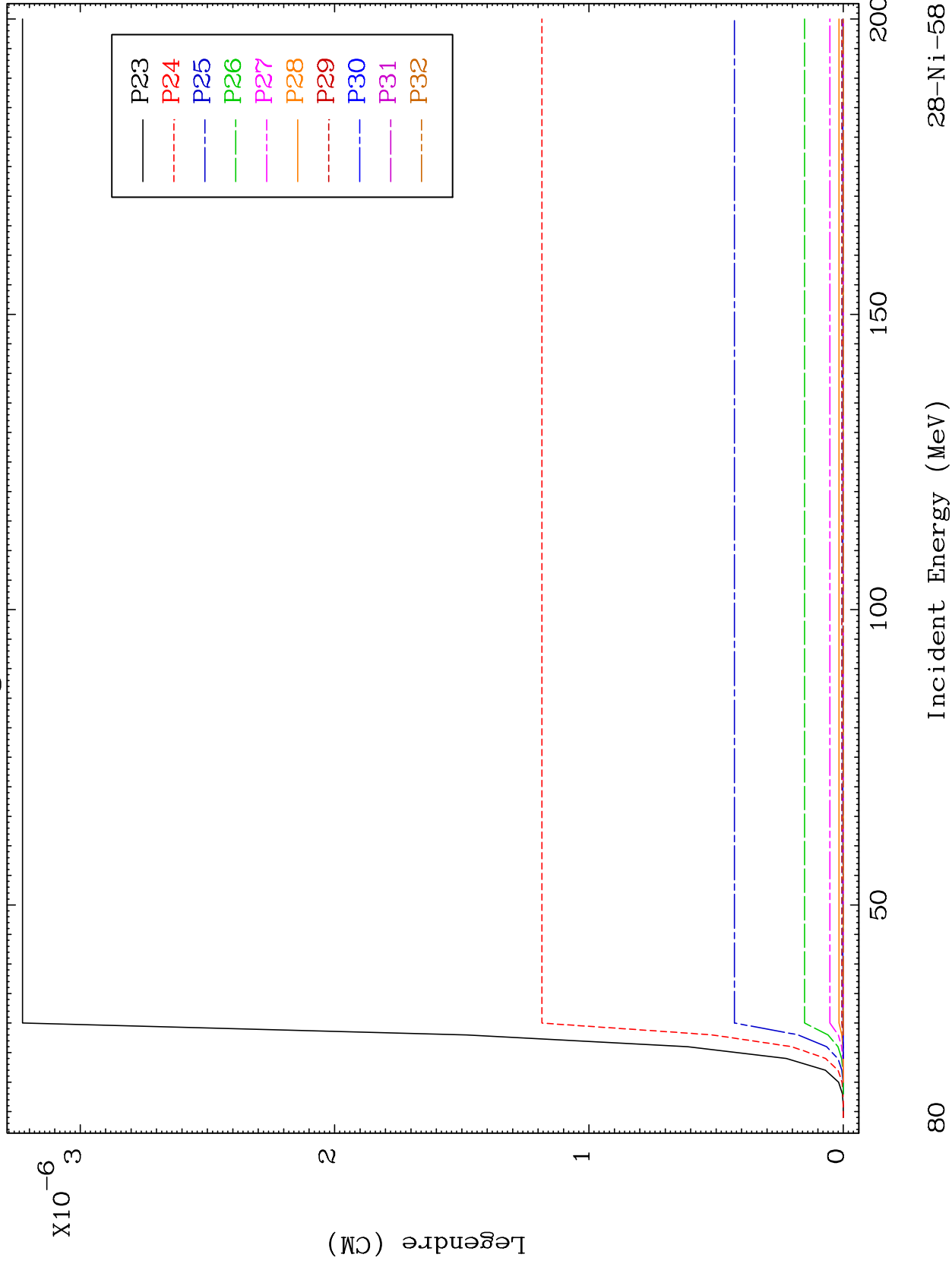
28-Ni-58



MAT 2825

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

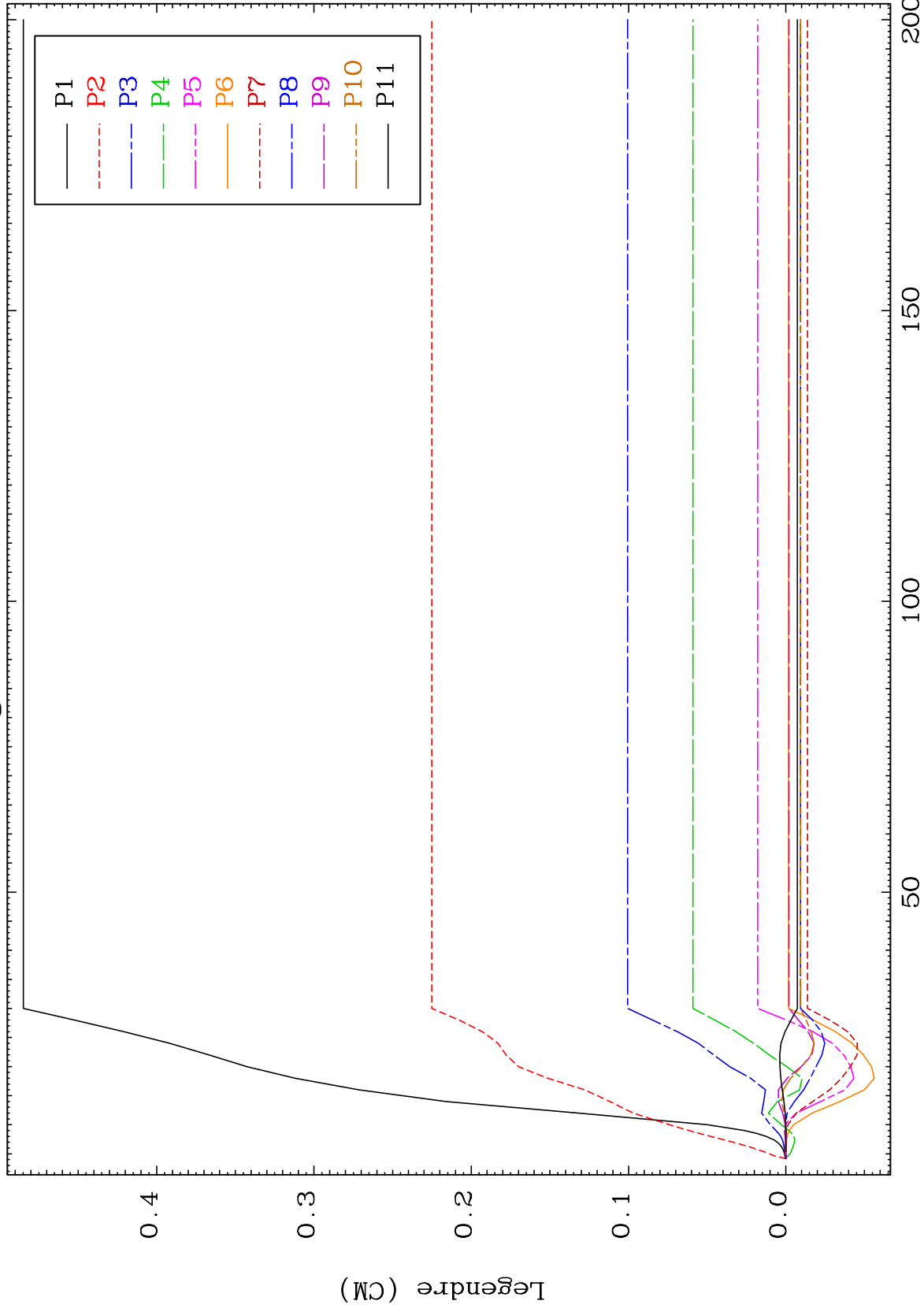
28-Ni-58



MAT 2825

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

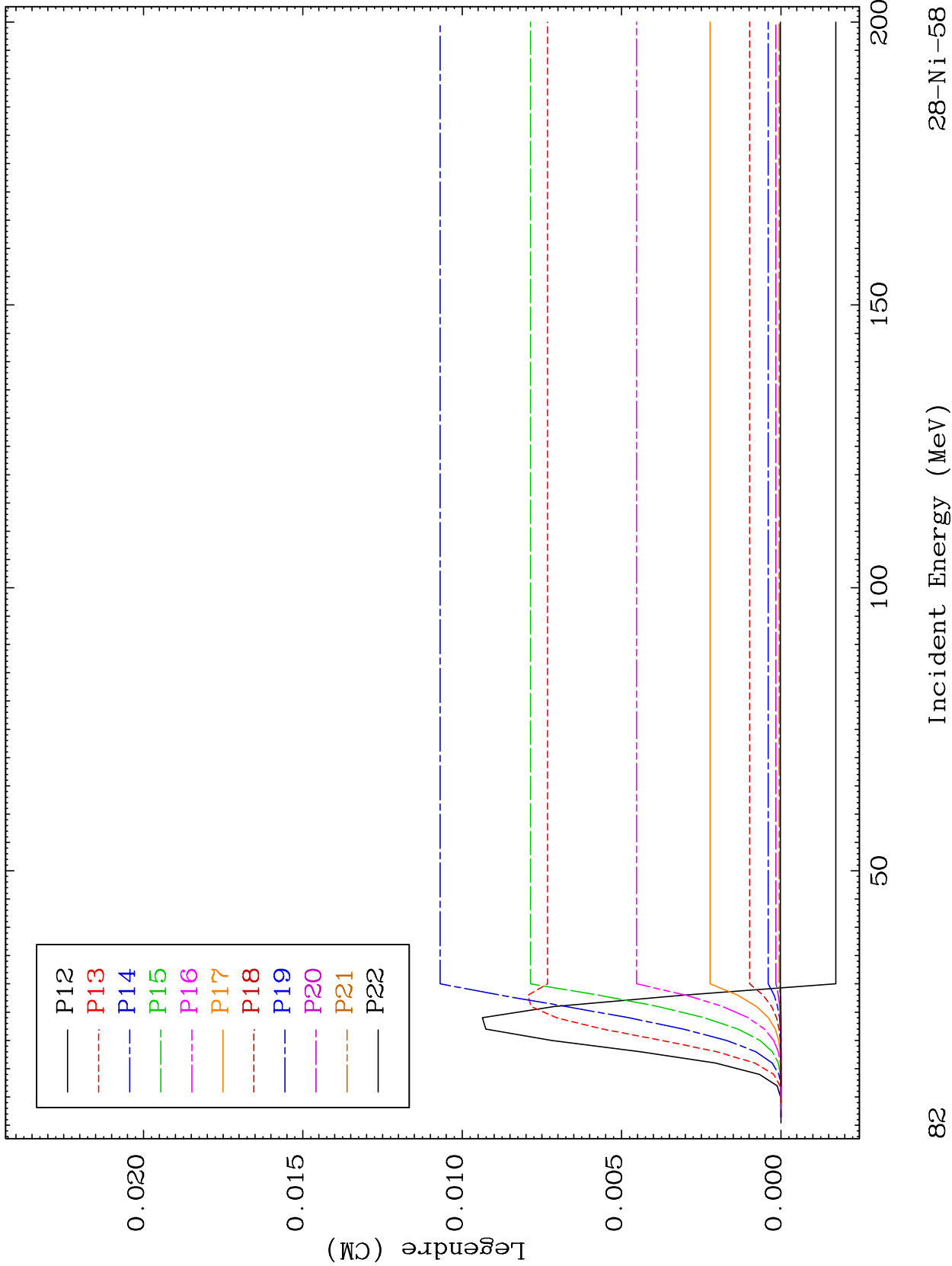
28-Ni-58



81

Incident Energy (MeV)

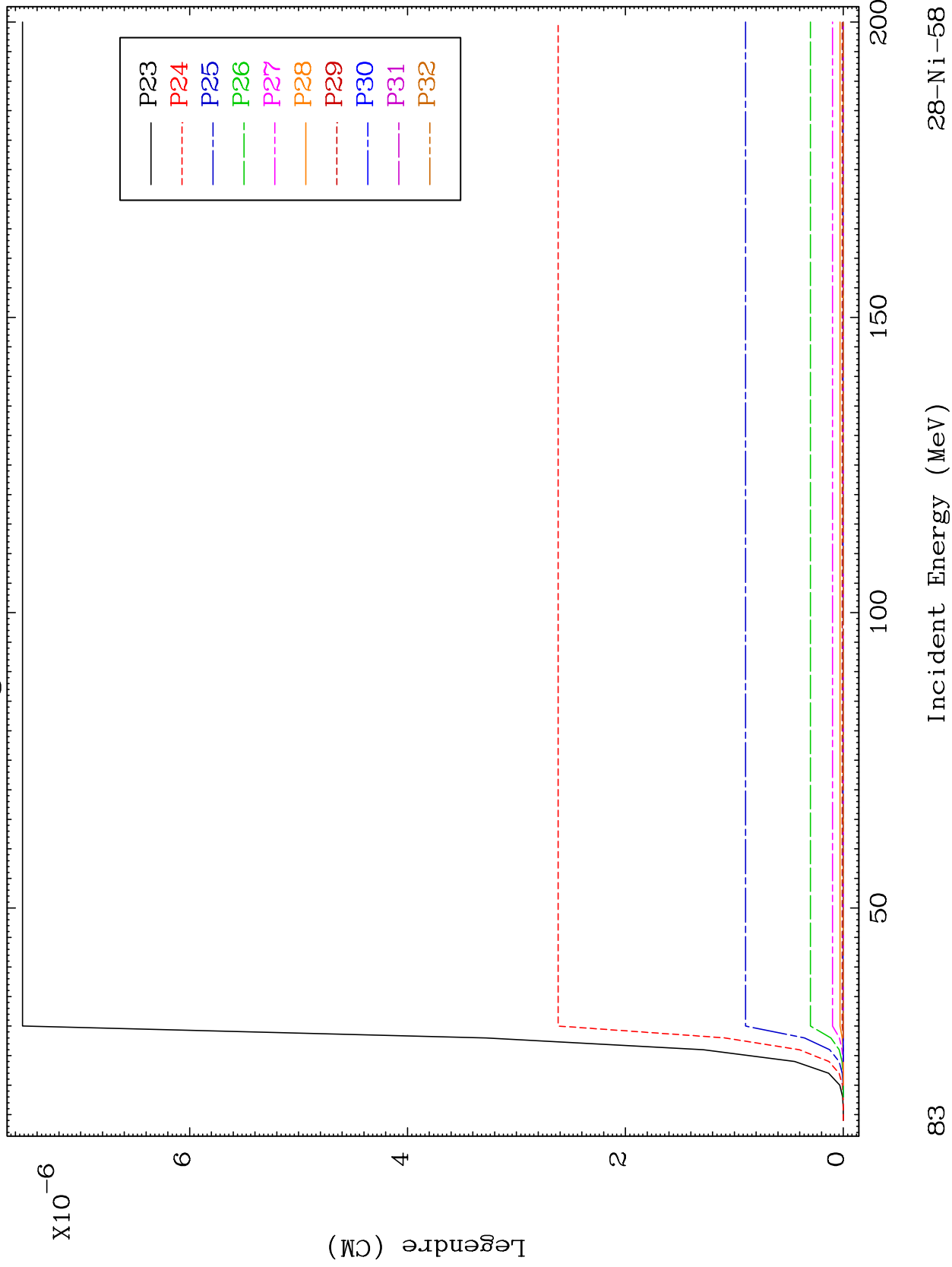
28-Ni-58



MAT 2825

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

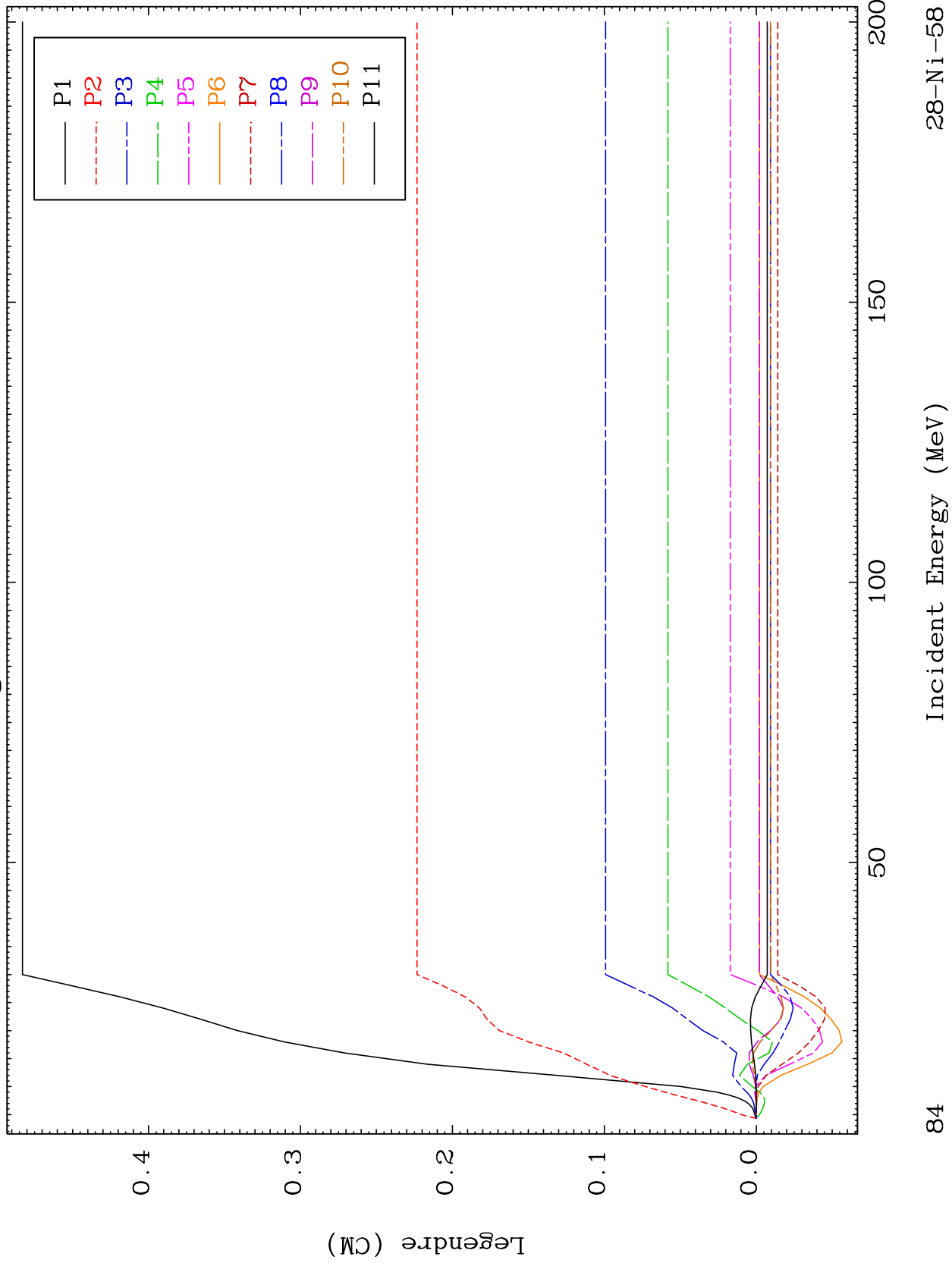
28-Ni-58



MAT 2825

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

28-Ni-58



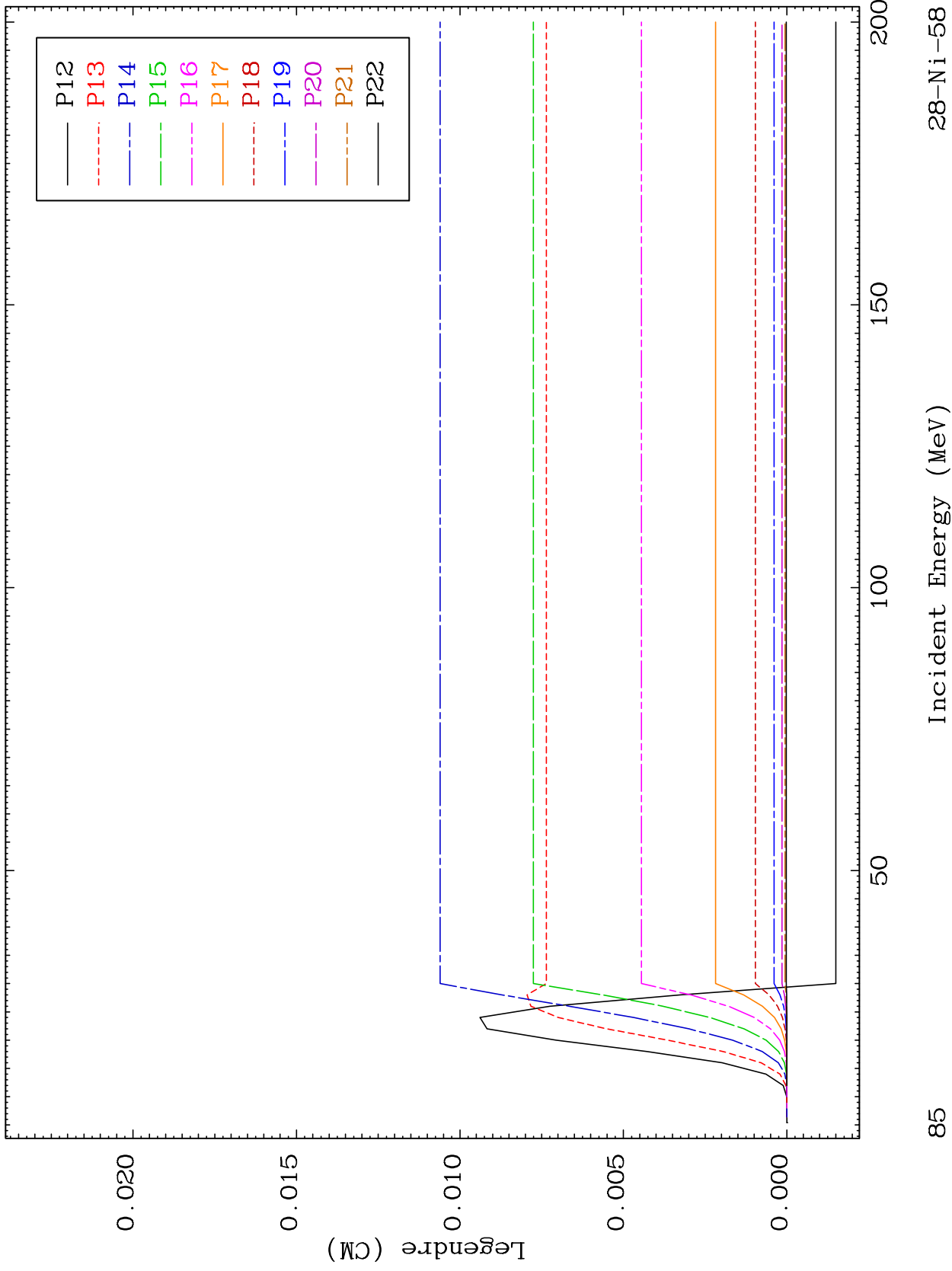
84

28-Ni-58

MAT 2825

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

28-Ni-58



85

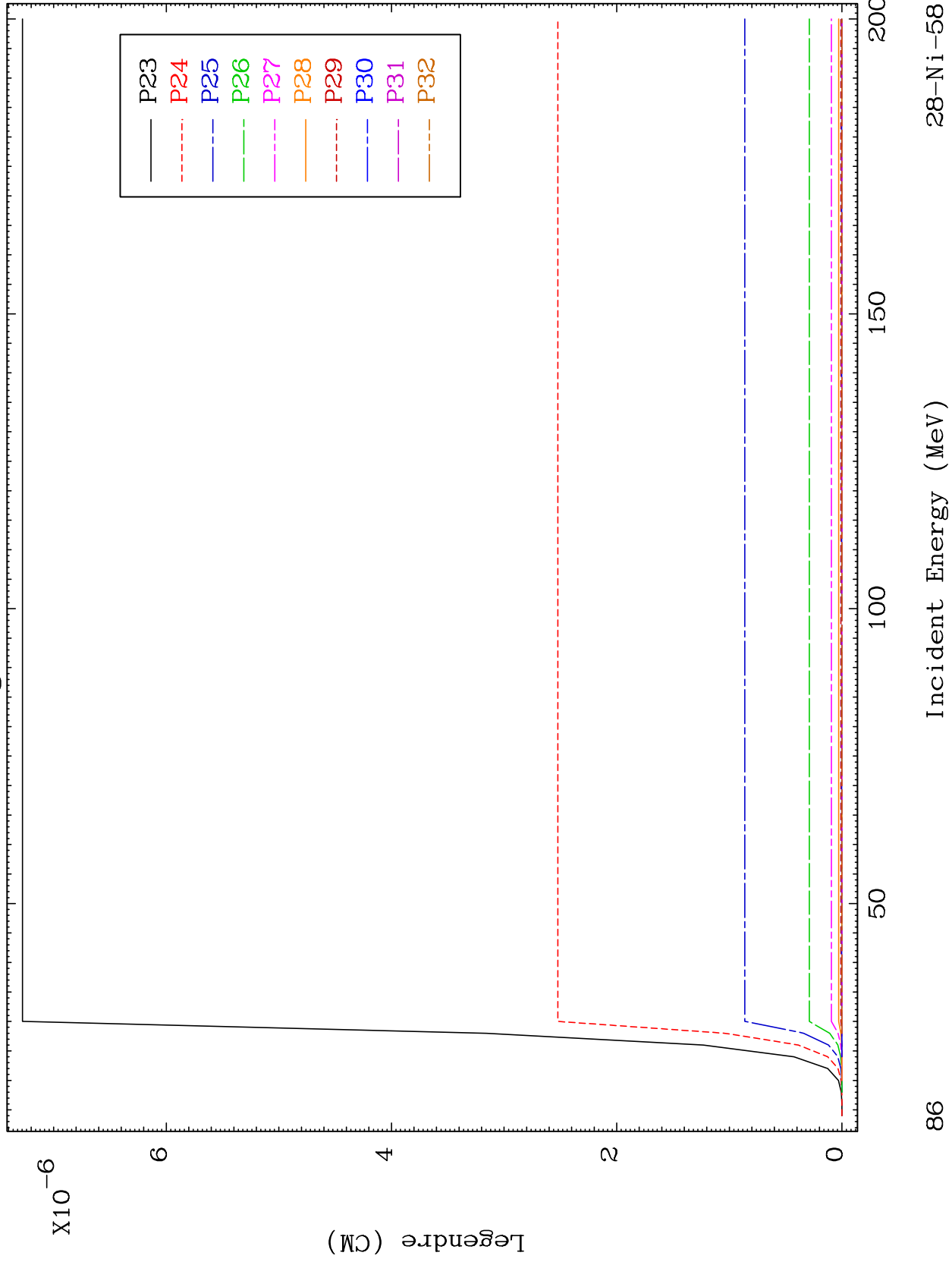
Incident Energy (MeV)

28-Ni-58

MAT 2825

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

28-Ni-58



86

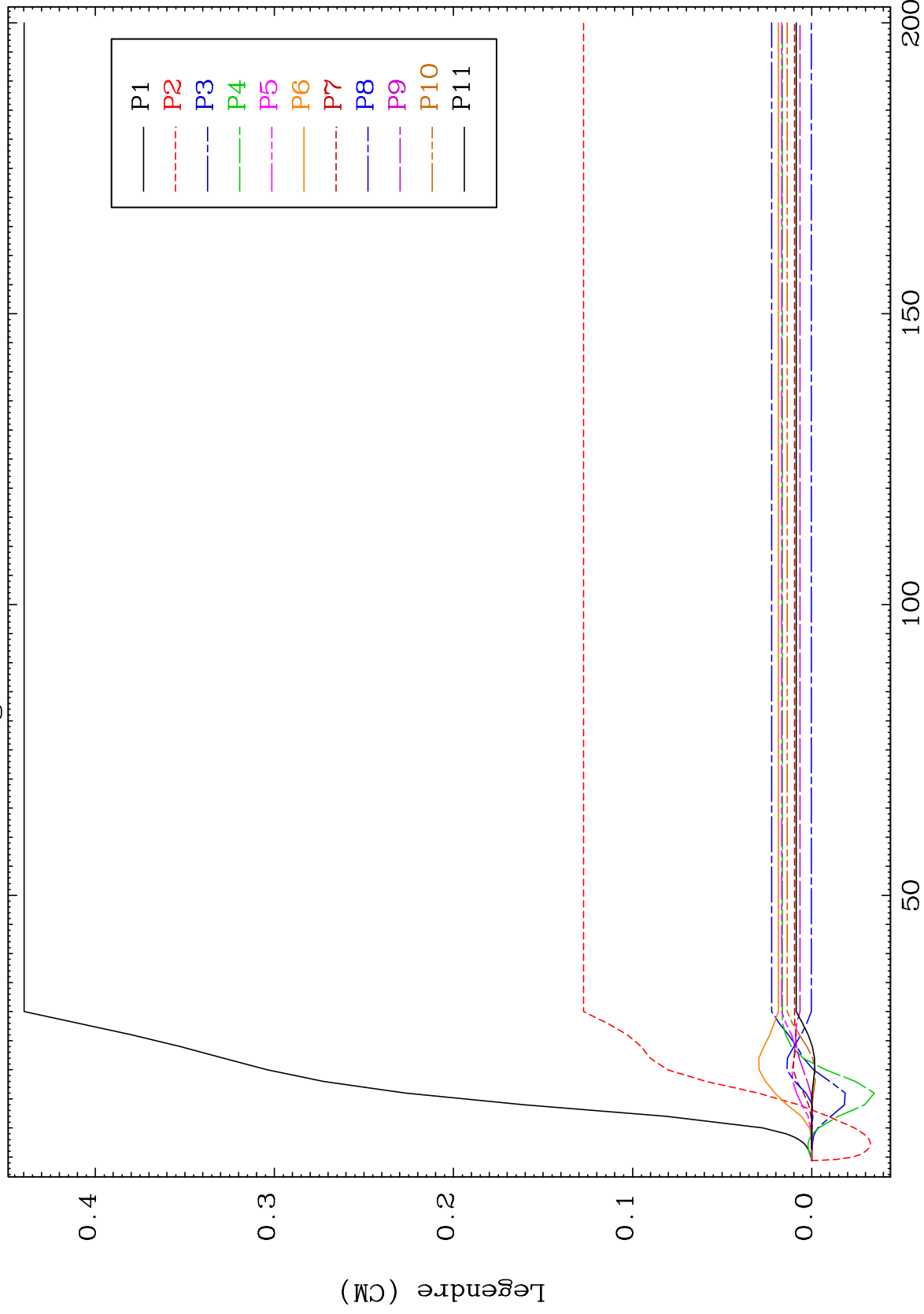
Incident Energy (MeV)

28-Ni-58

MAT 2825

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

28-Ni-58

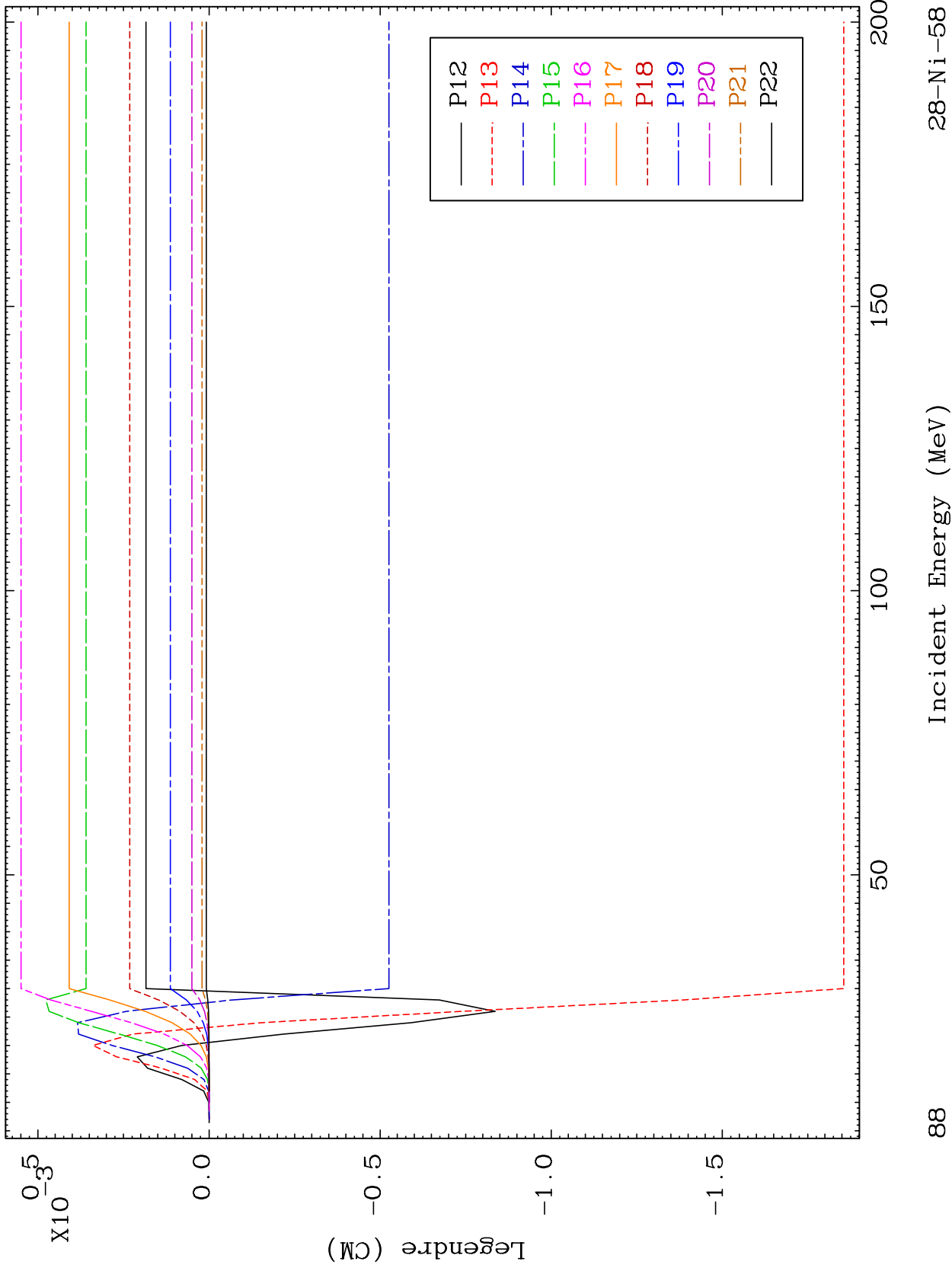


87

Incident Energy (MeV)

28-Ni-58

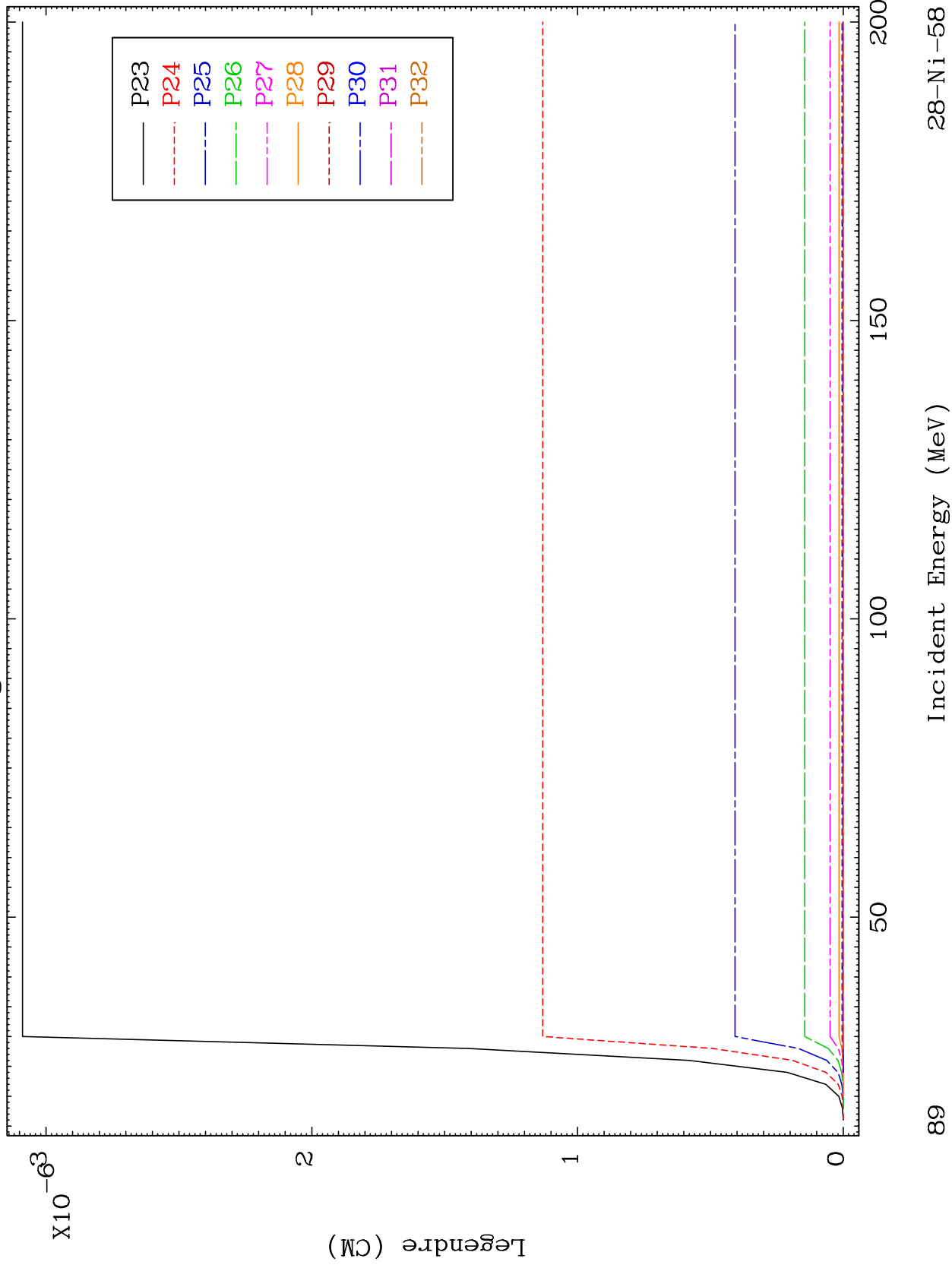




MAT 2825

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

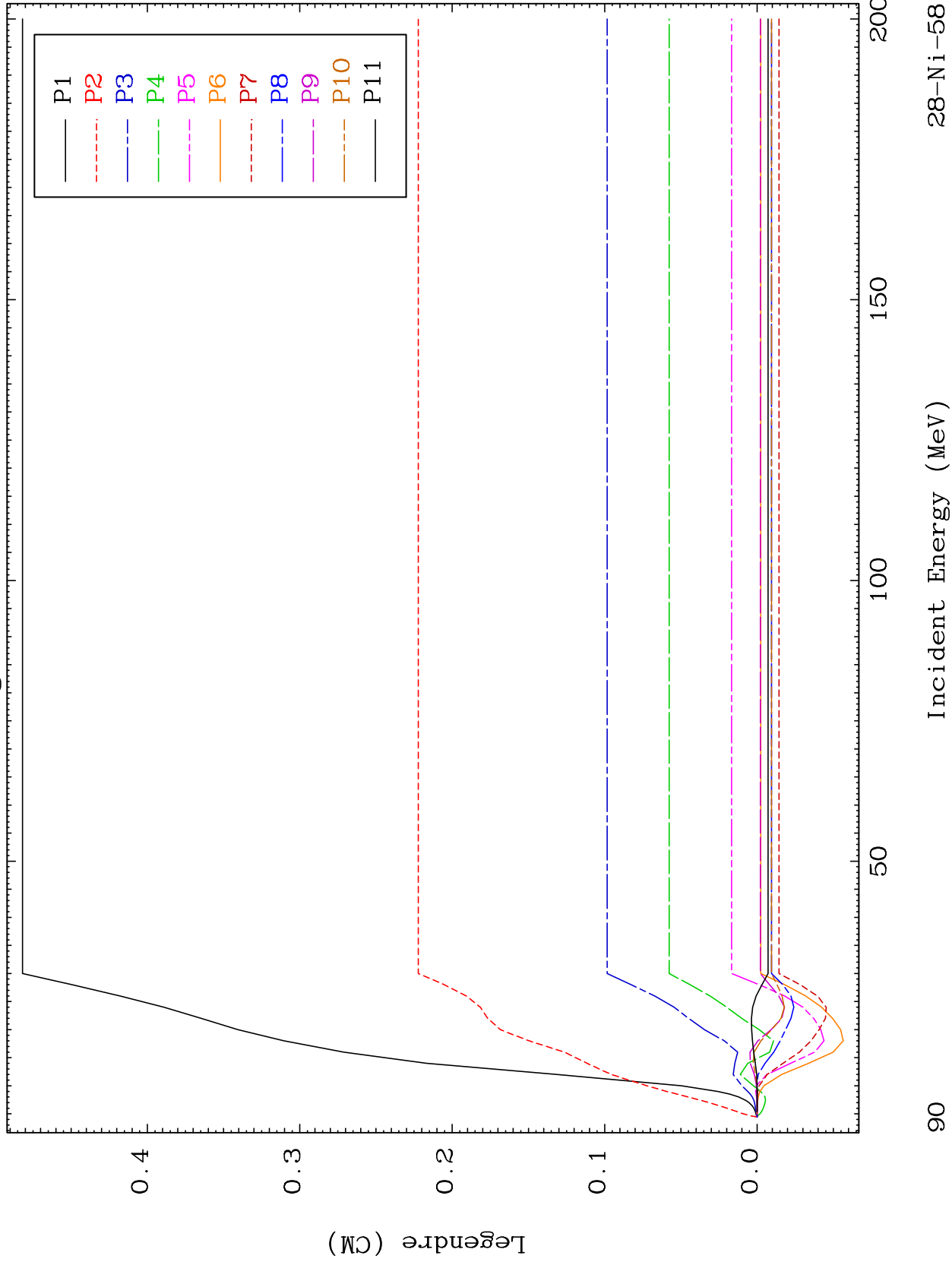
28-Ni-58



MAT 2825

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

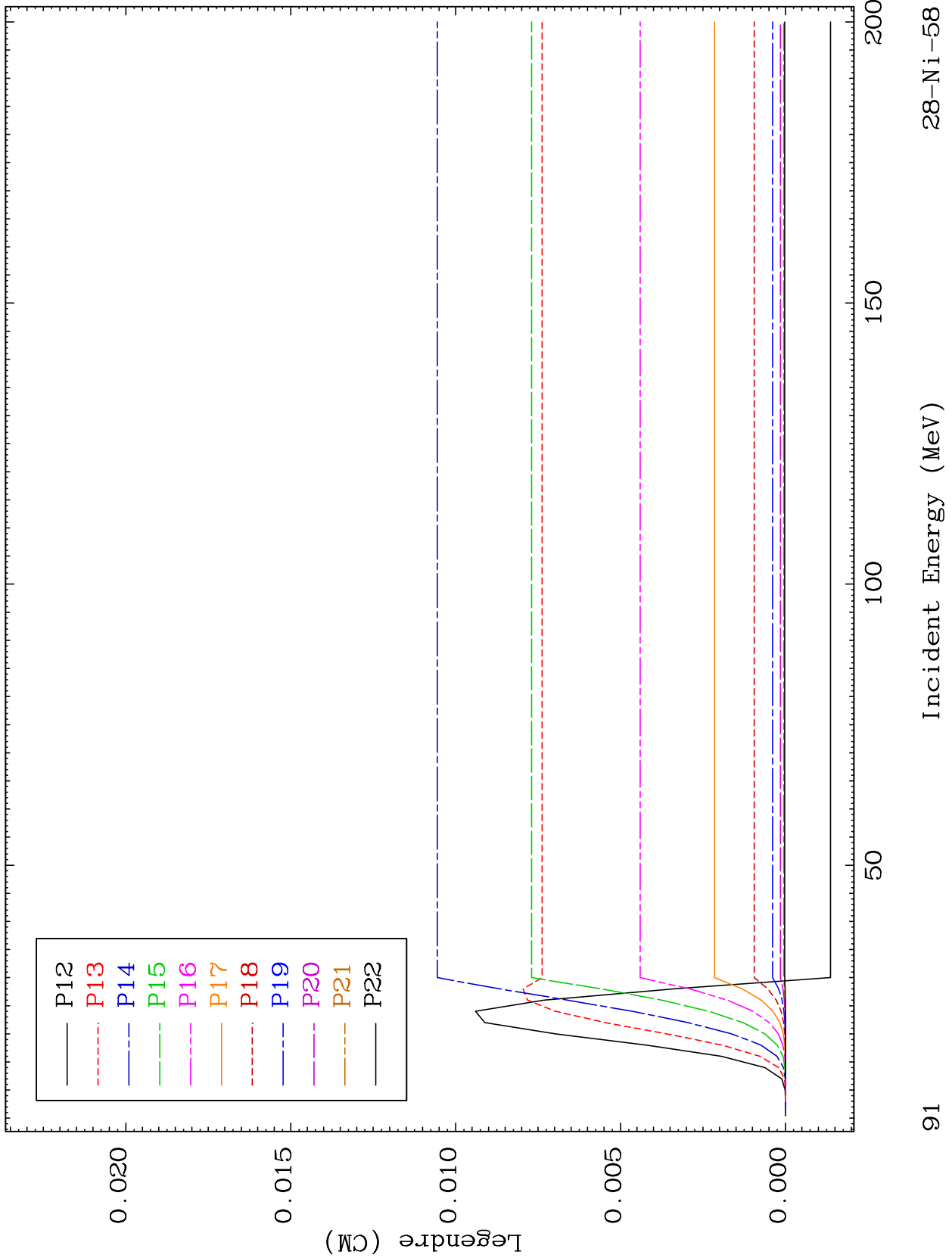
28-Ni-58



90

Incident Energy (MeV)

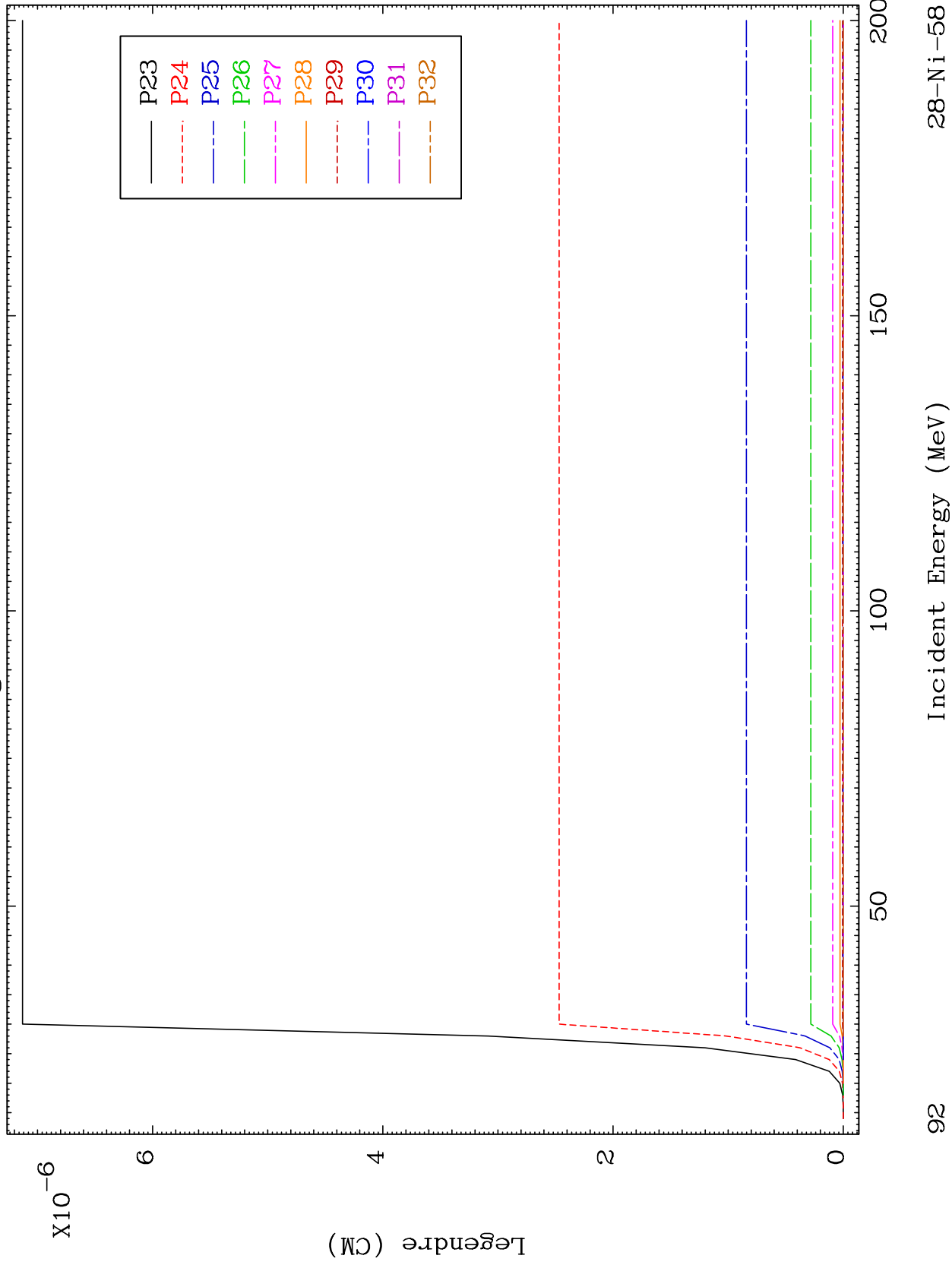
28-Ni-58



MAT 2825

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

28-Ni-58

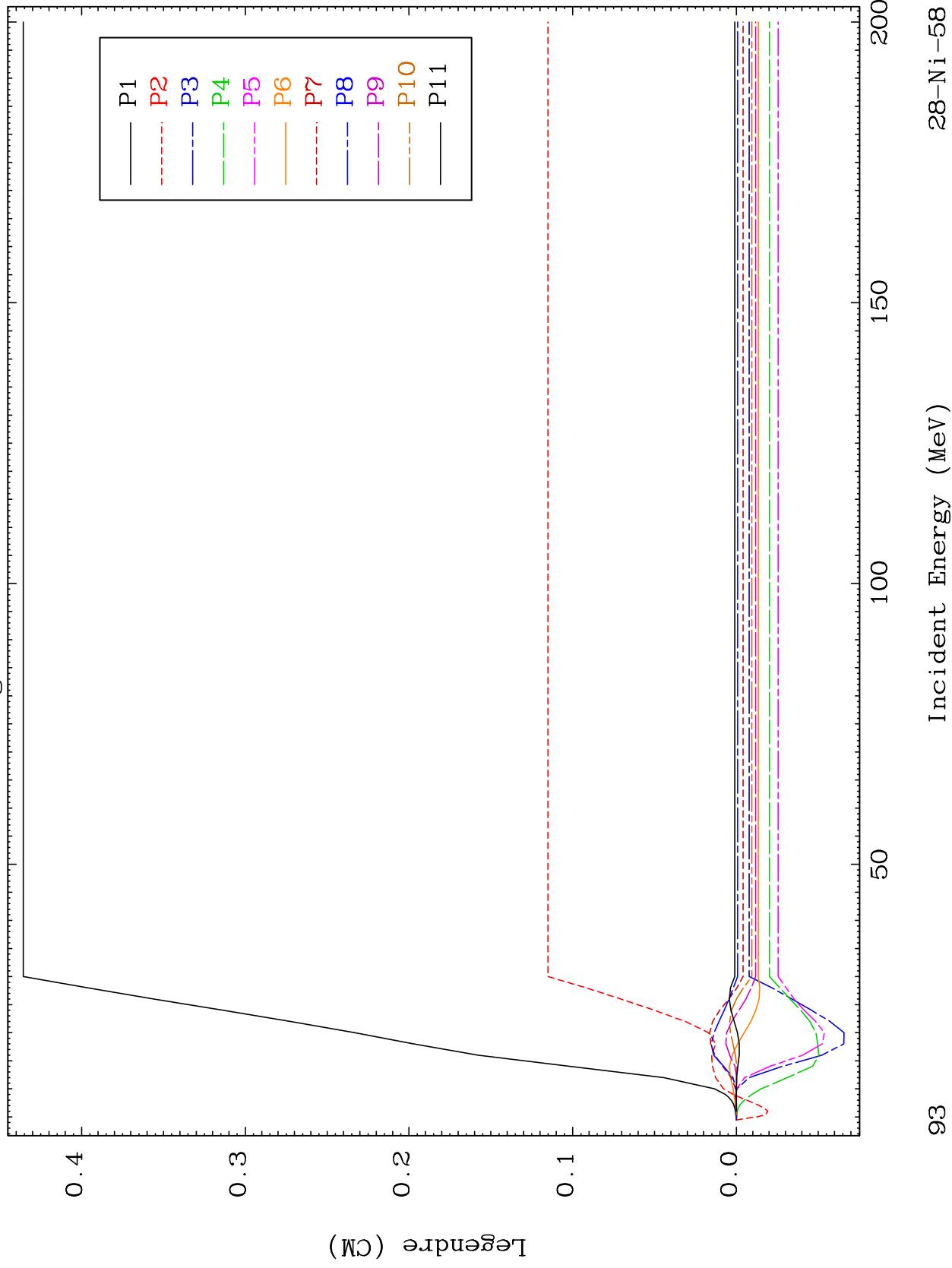


92

MAT 2825

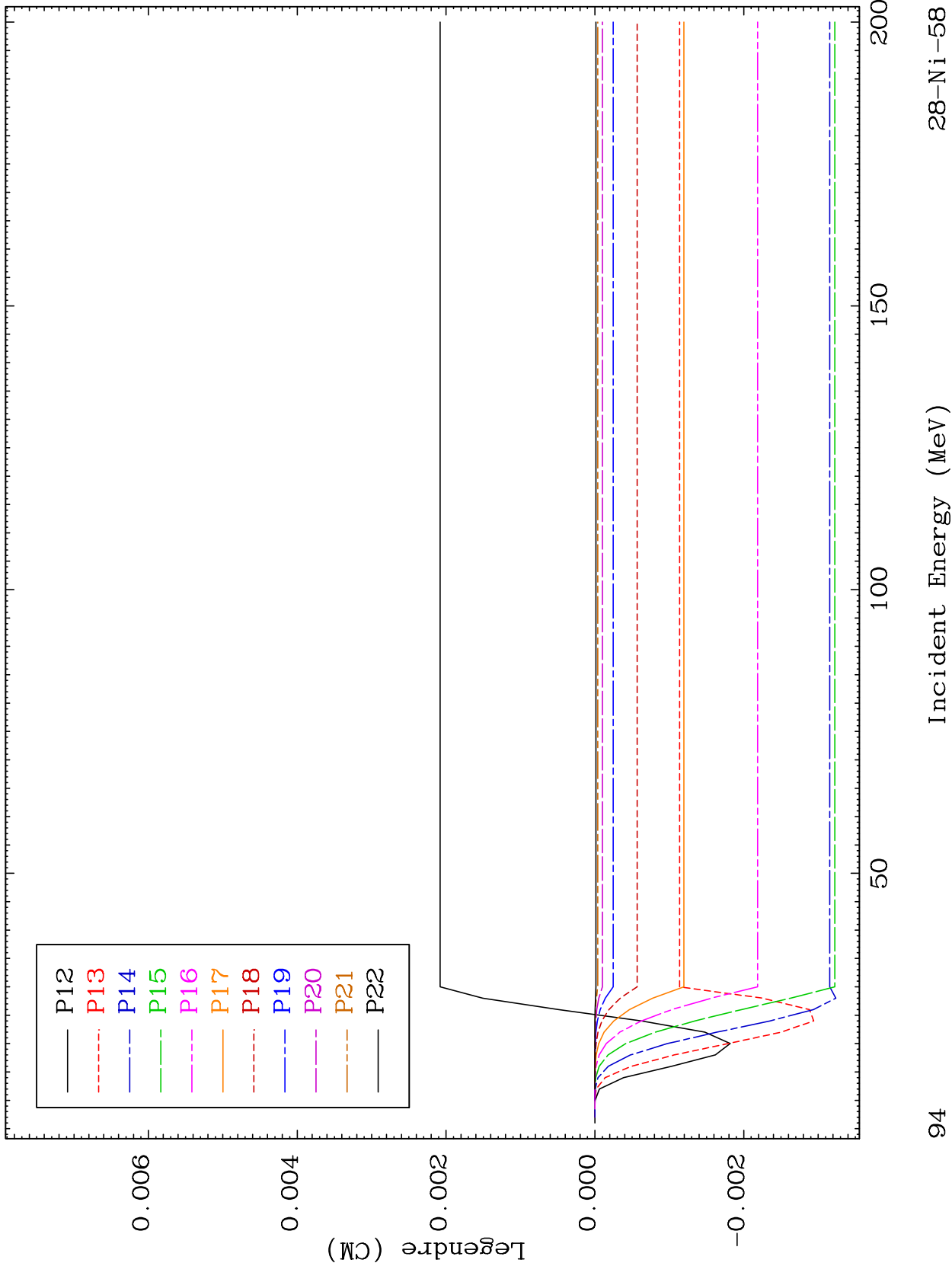
MT= 76 (n,n') Level  
Legendre Coefficients

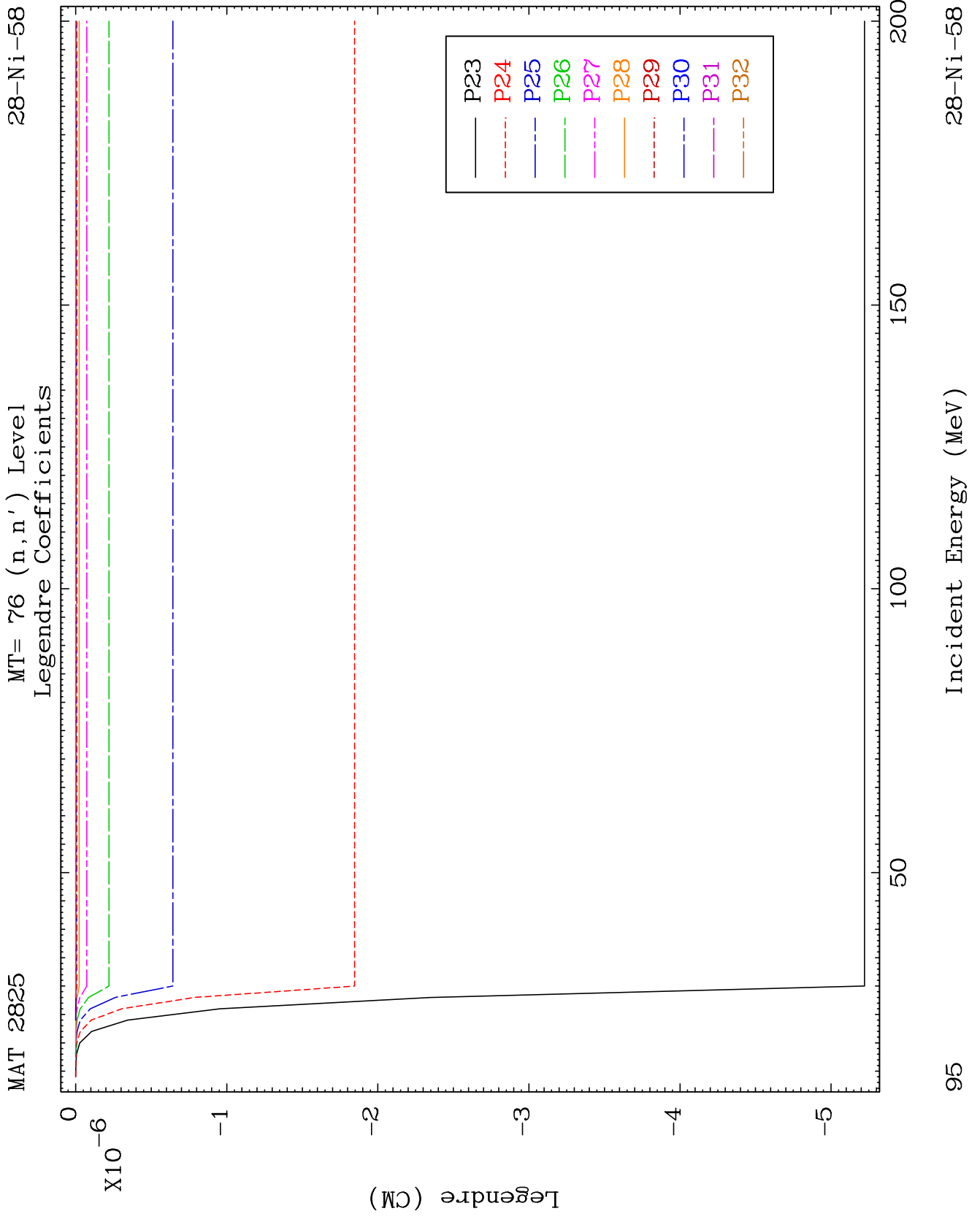
28-Ni-58



93

28-Ni-58



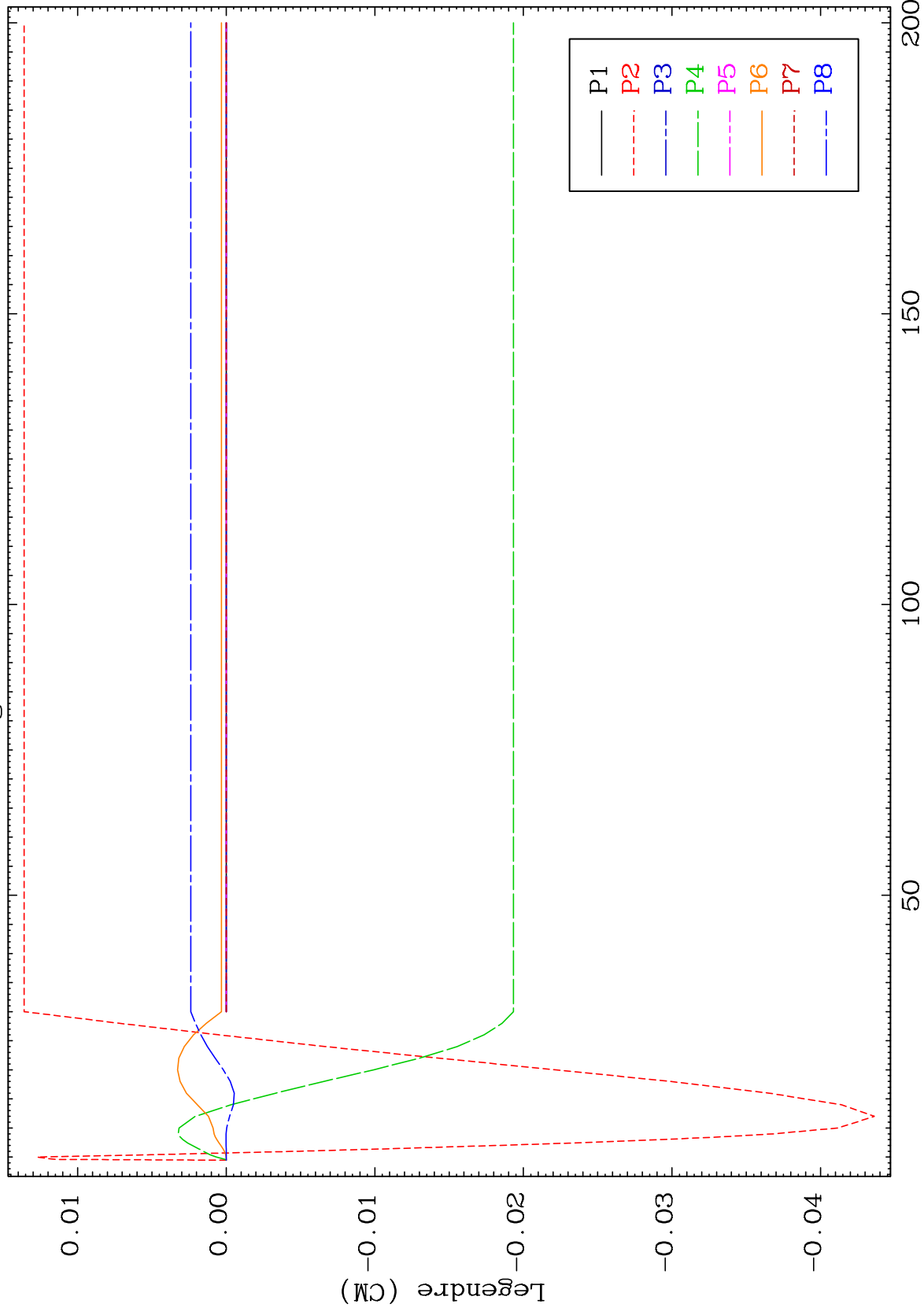




MAT 2825

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

28-Ni-58



96

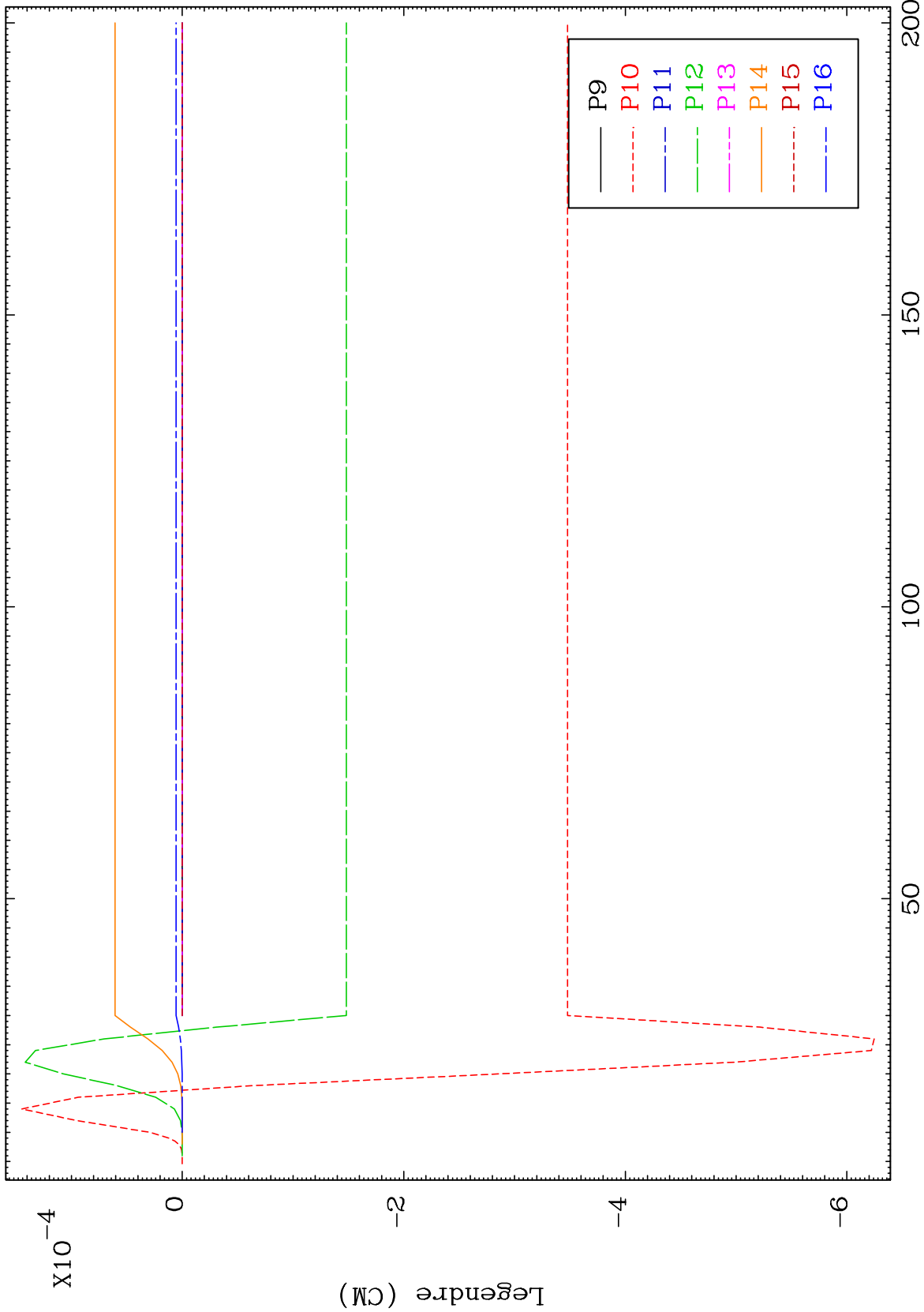
Incident Energy (MeV)

28-Ni-58

MAT 2825

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

28-Ni-58



97

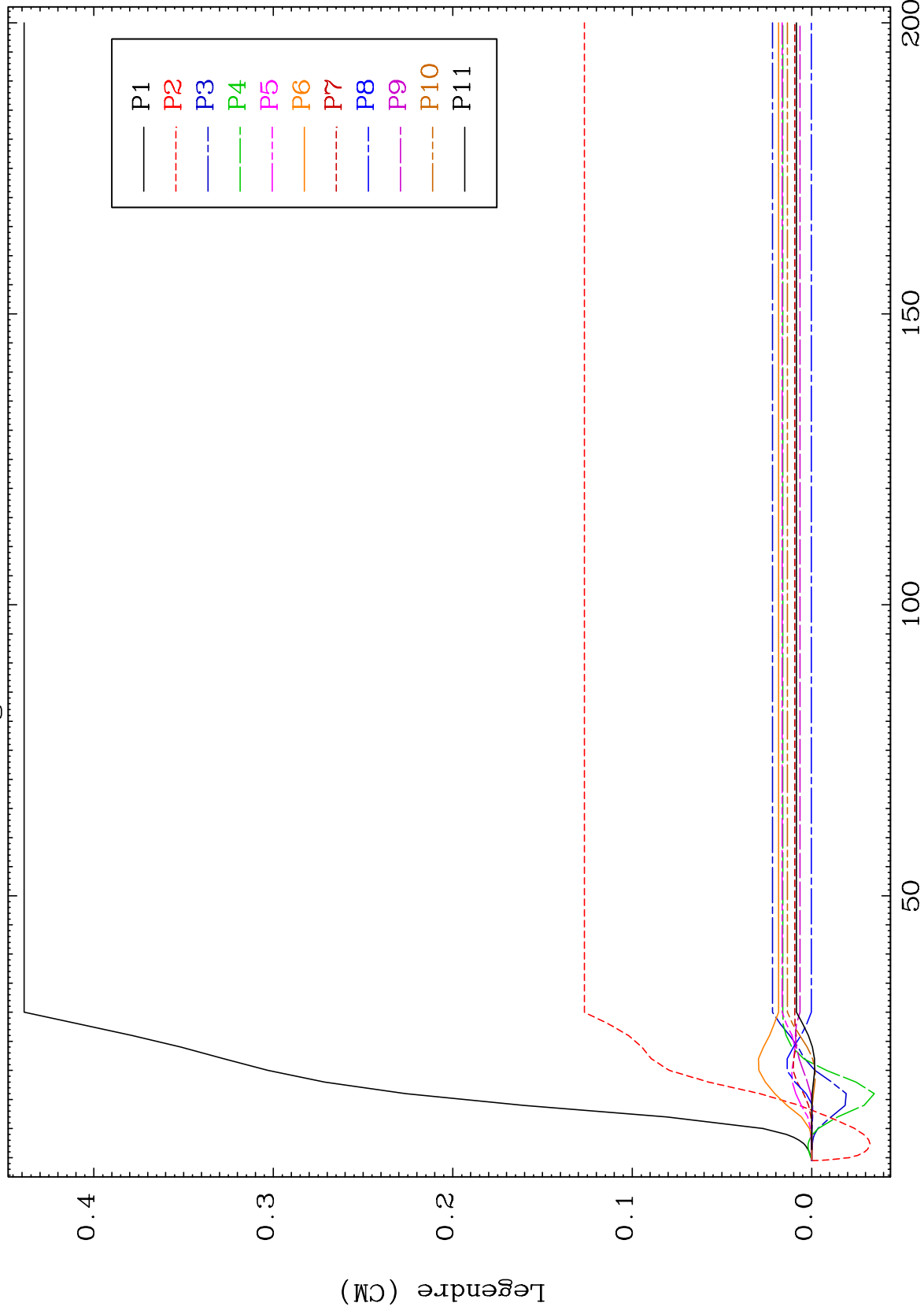
28-Ni-58



MAT 2825

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

28-Ni-58



99

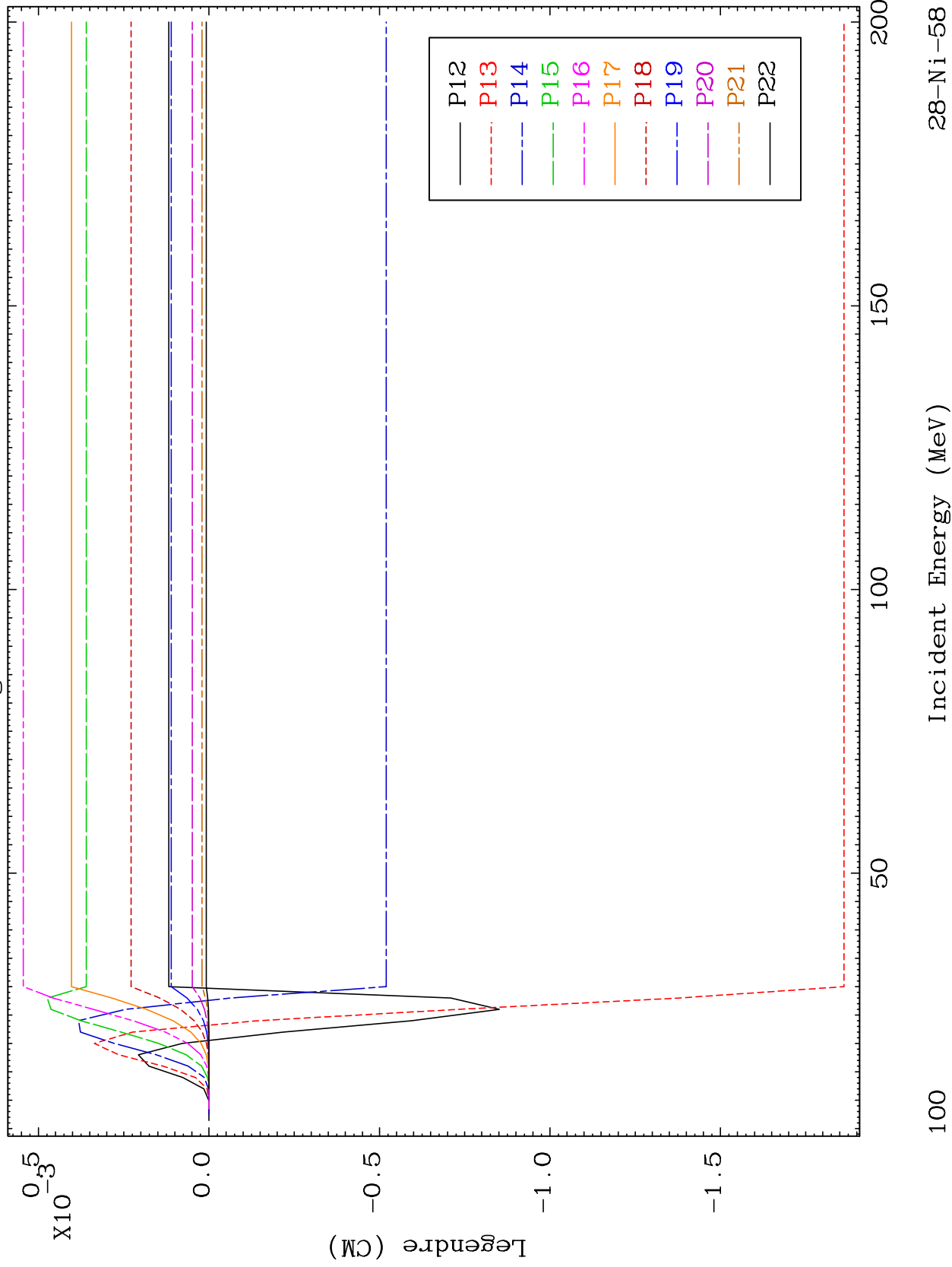
Incident Energy (MeV)

28-Ni-58

MAT 2825

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

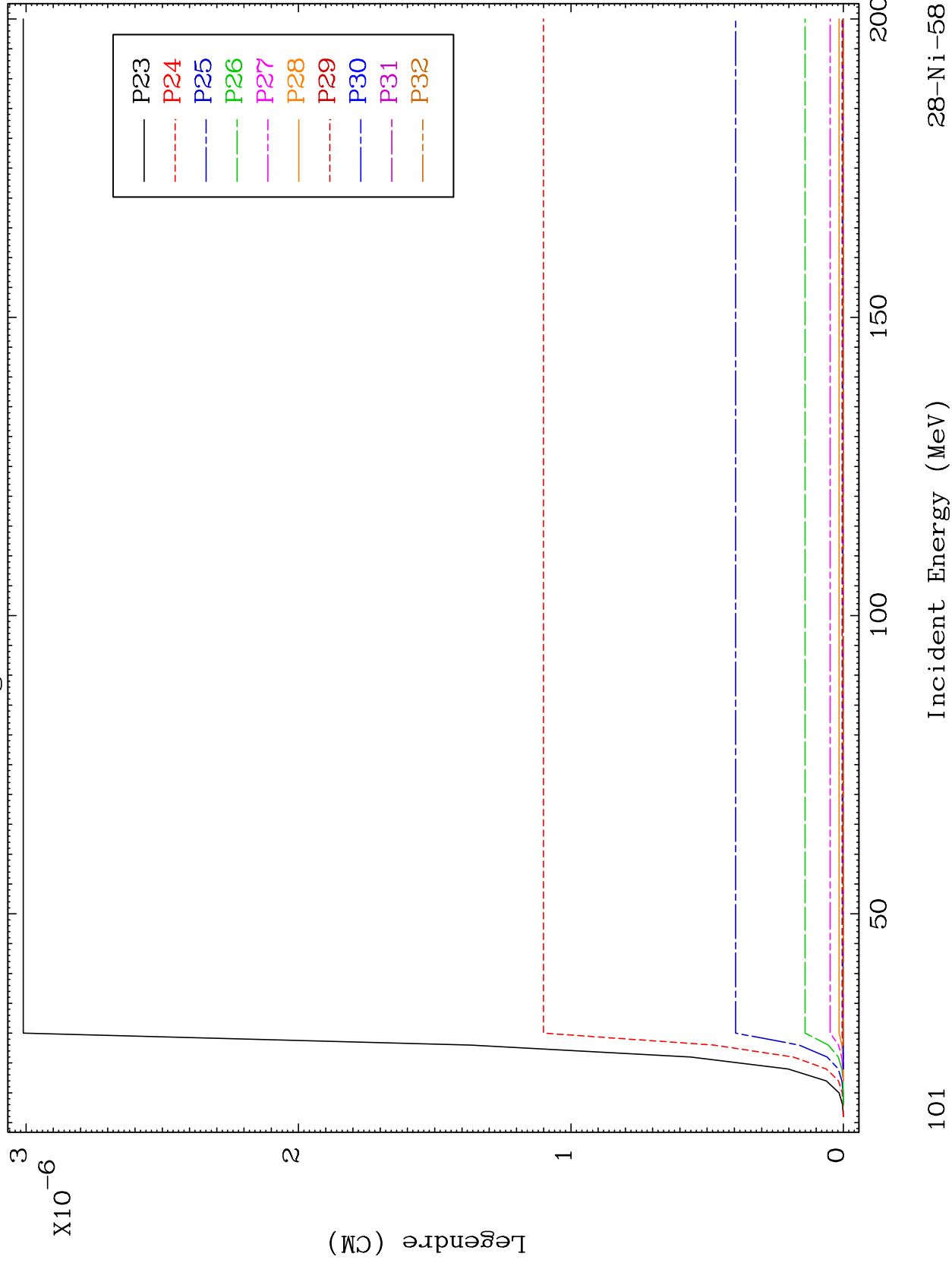
28-Ni-58



MAT 2825

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

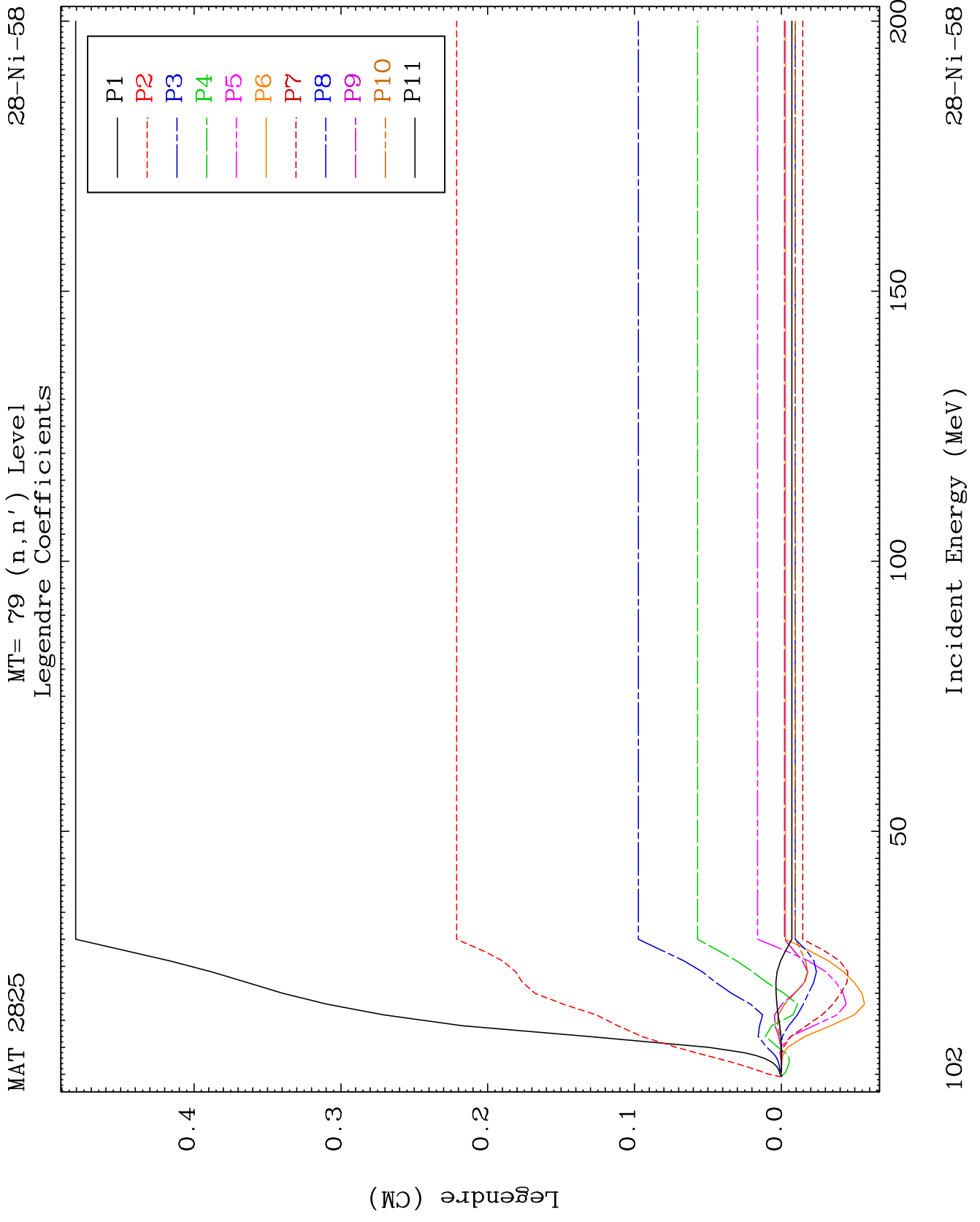
28-Ni-58



101

Incident Energy (MeV)

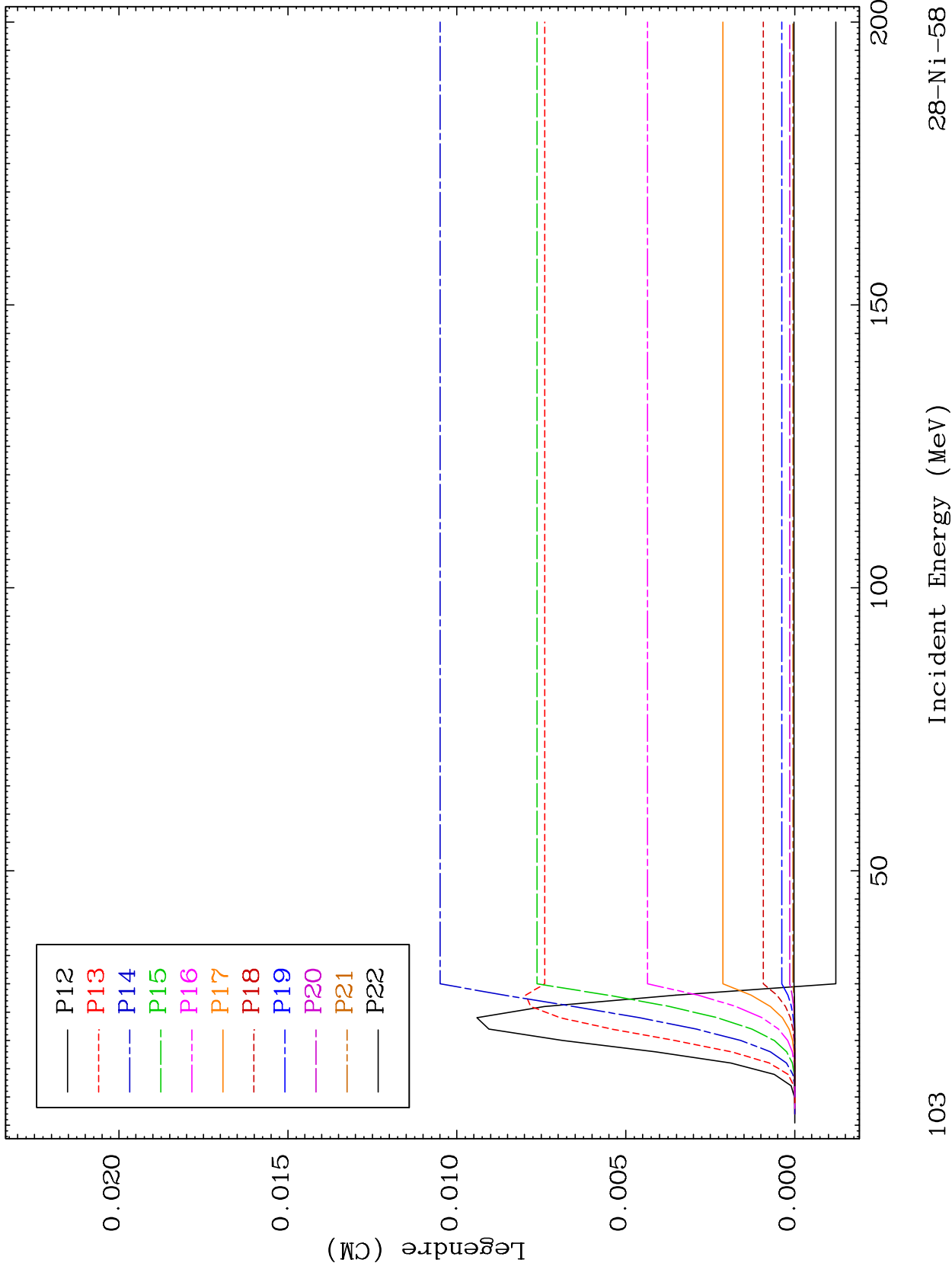
28-Ni-58



MAT 2825

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

28-Ni-58



103

Incident Energy (MeV)

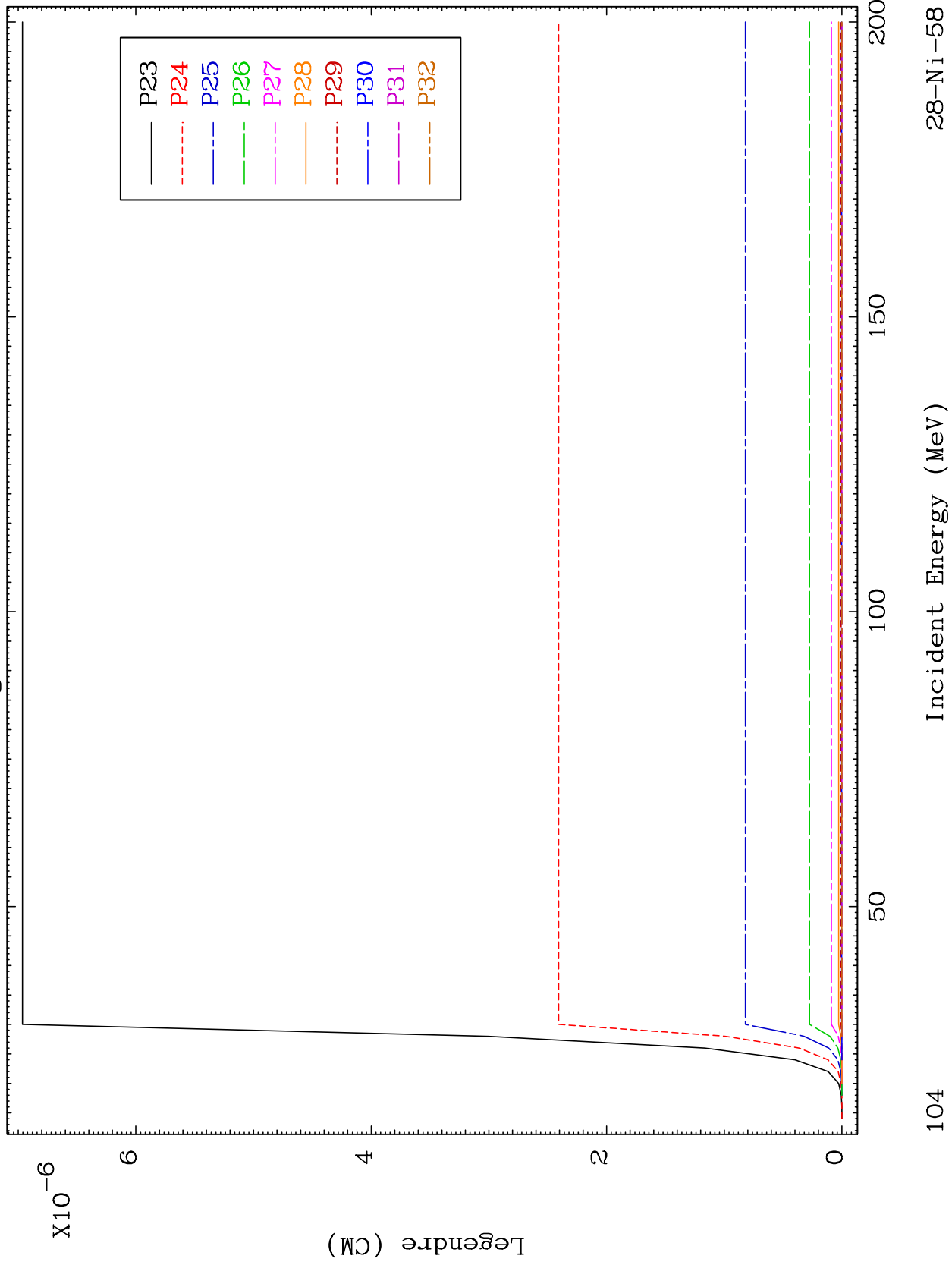
28-Ni-58

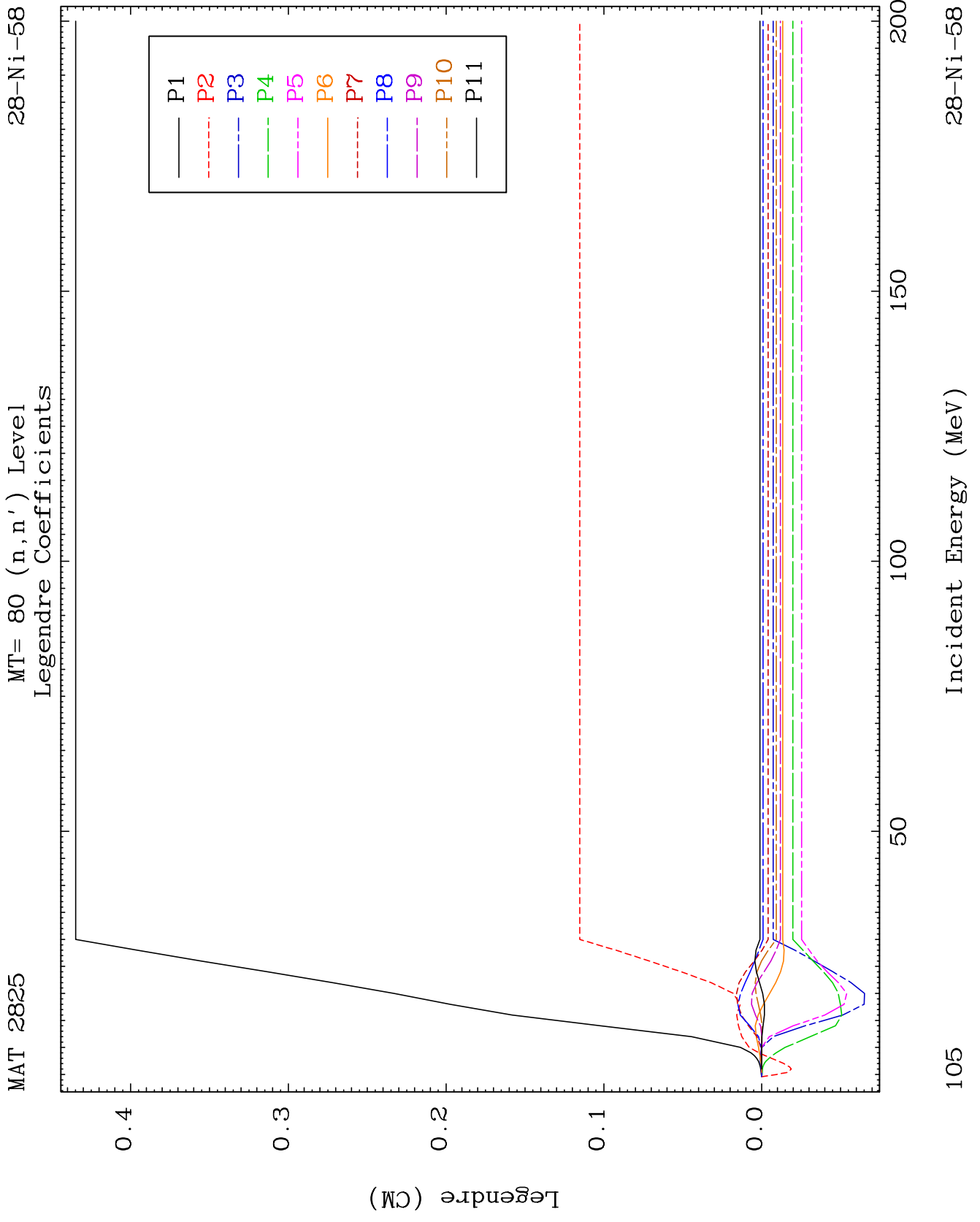


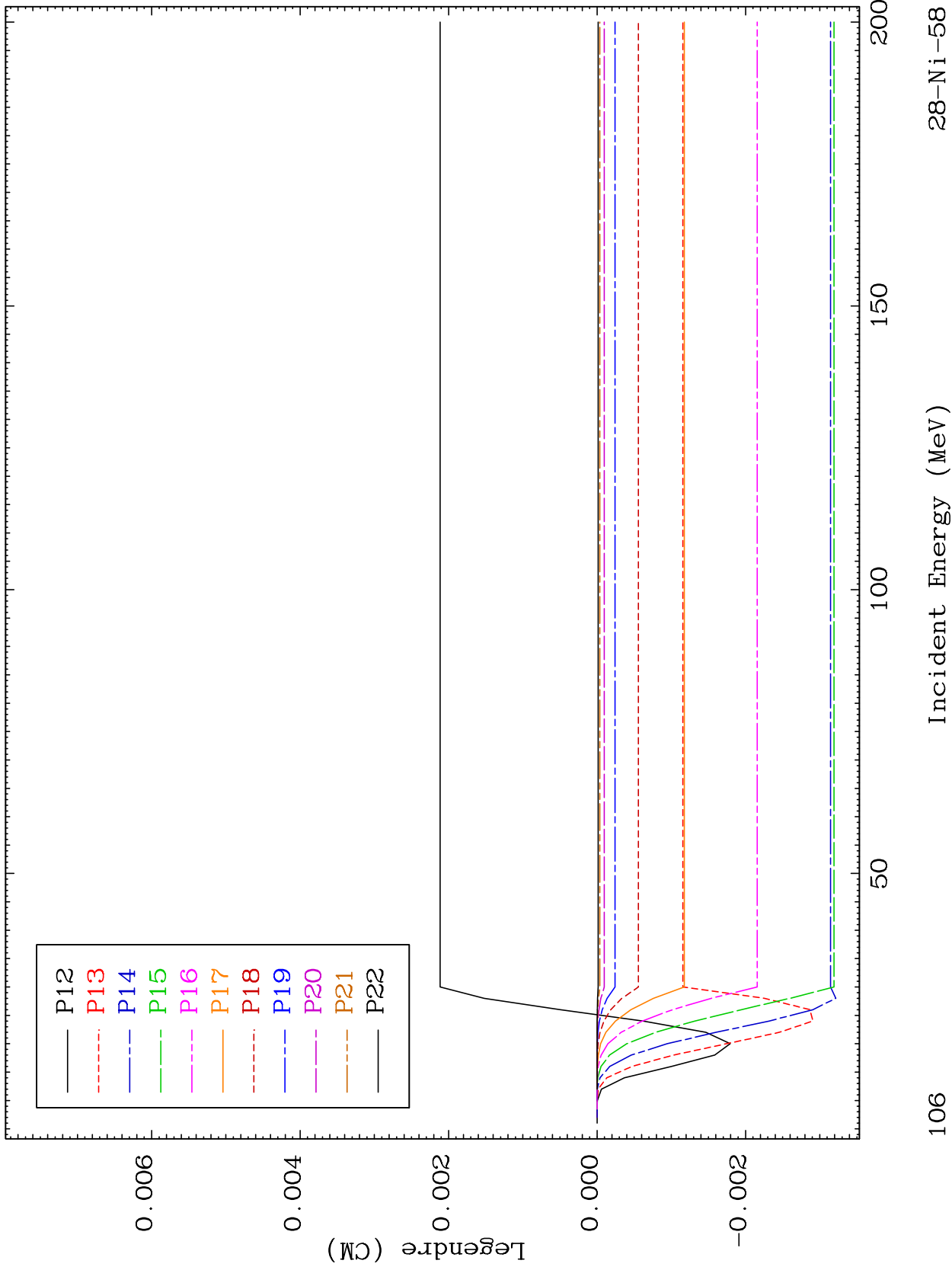
MAT 2825

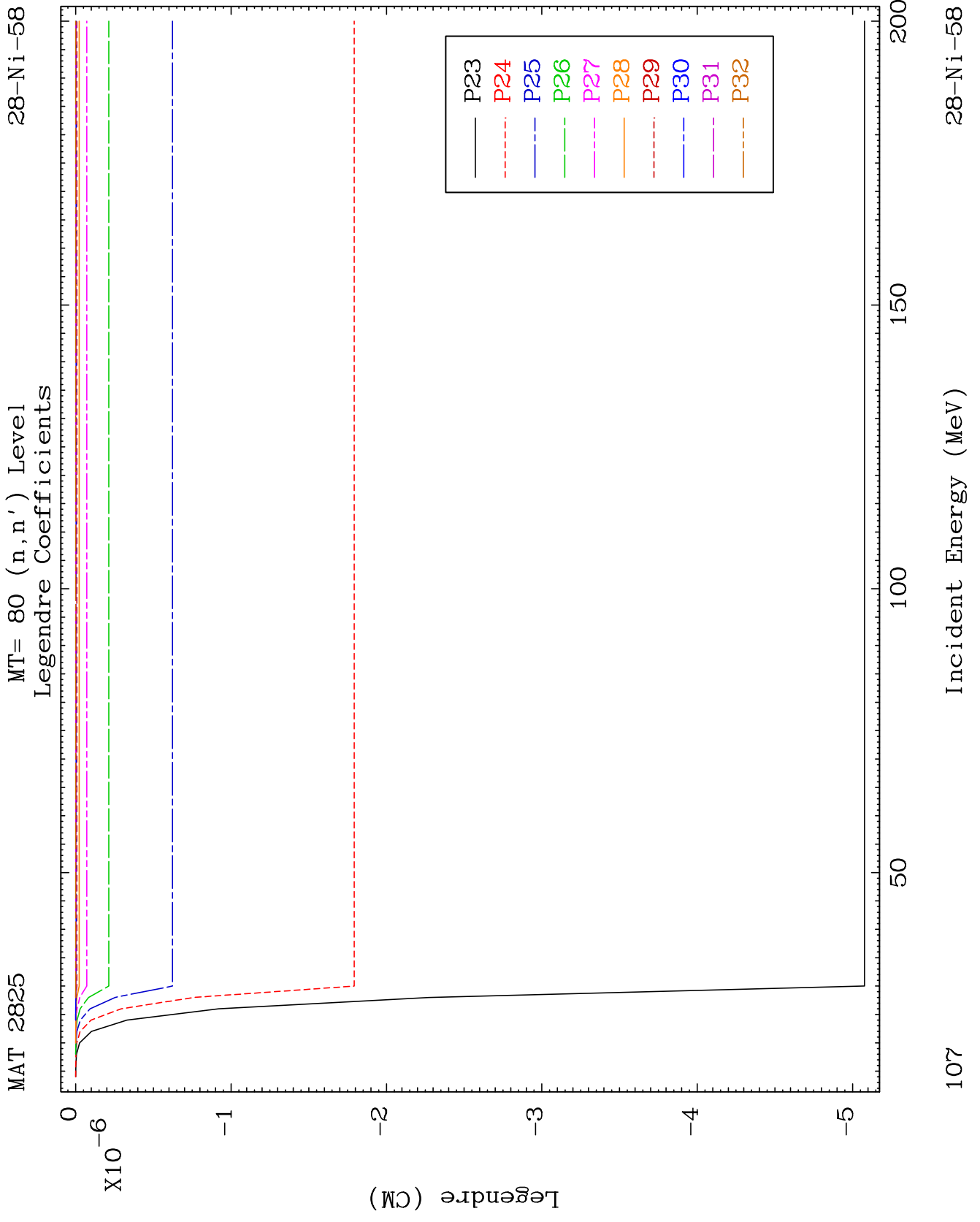
MT= 79 (n,n') Level  
Legendre Coefficients

28-Ni-58







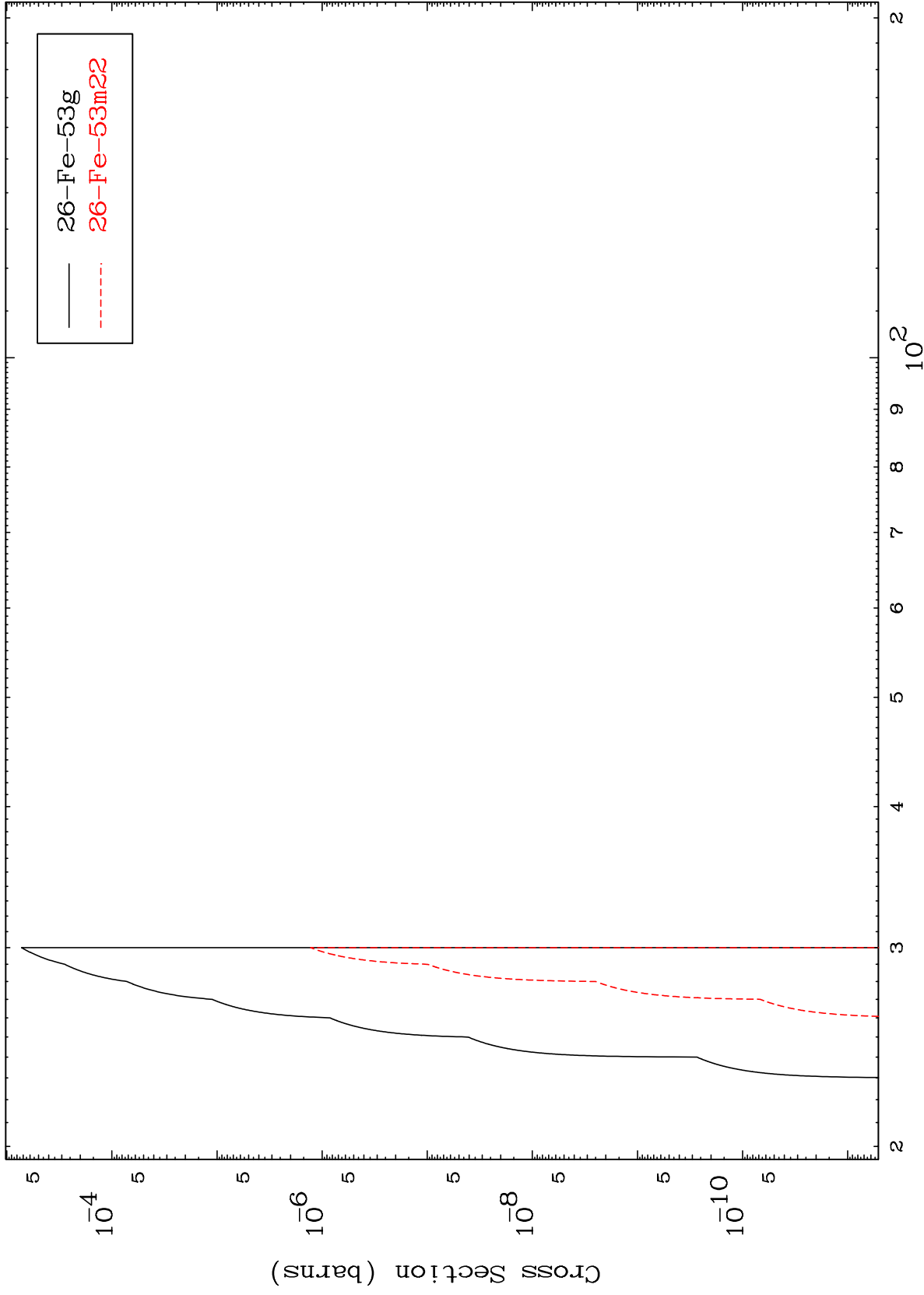


MAT 2825

$(n,2n) \alpha$

28-Ni-58

Radionuclide Production Cross Section



108

Incident Energy (MeV)

28-Ni-58

MAT 2825

28-Ni-58

(n,p)  
Radionuclide Production Cross Section

