

Program EVALPLOT  
(Version 2017-1)

by

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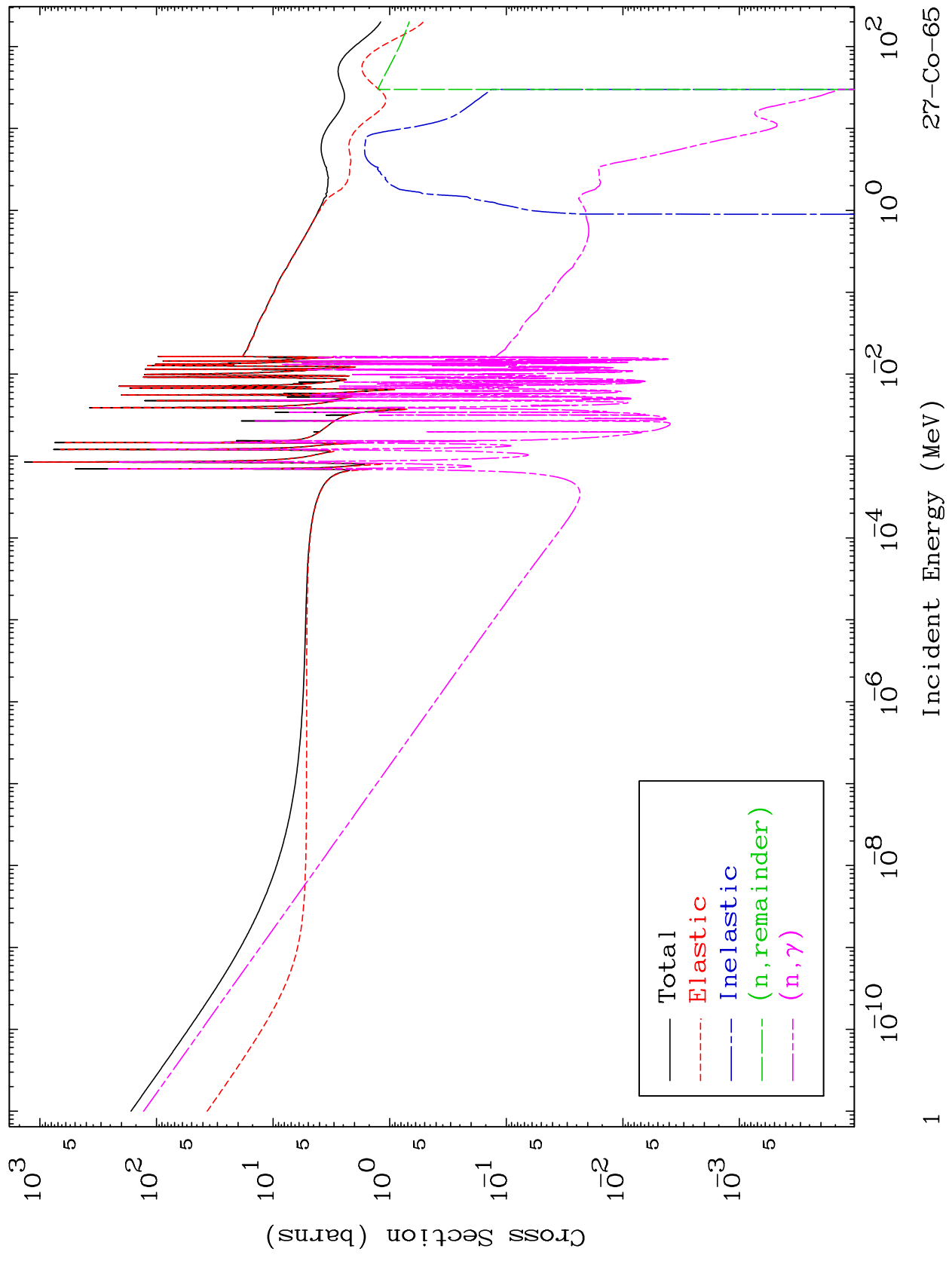
Press Mouse Button to Start

MAT 2743

Major

293 Kelvin Cross Sections

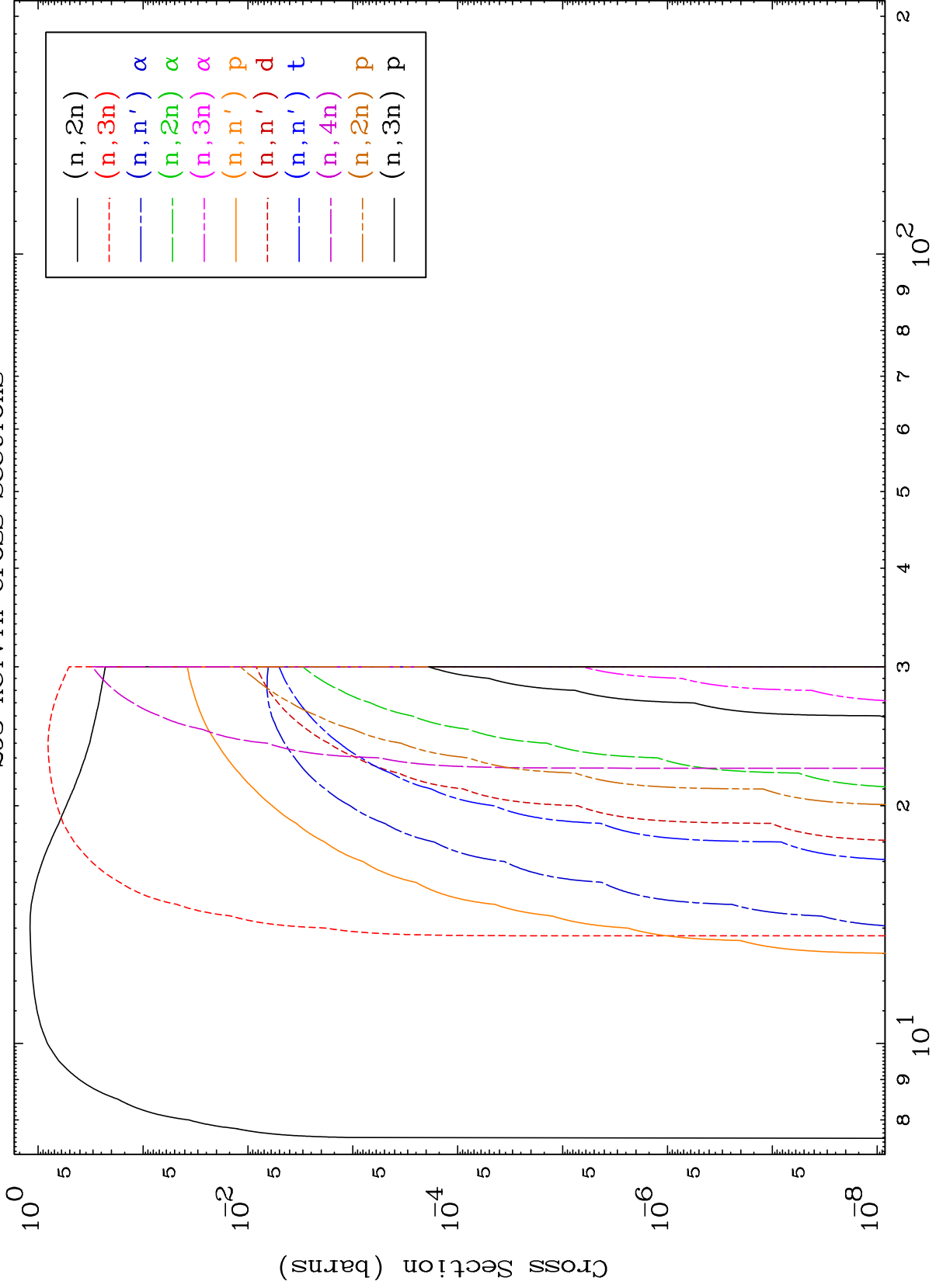
27-Co-65



MAT 2743

Neutron Production  
293 Kelvin Cross Sections

27-Co-65



2

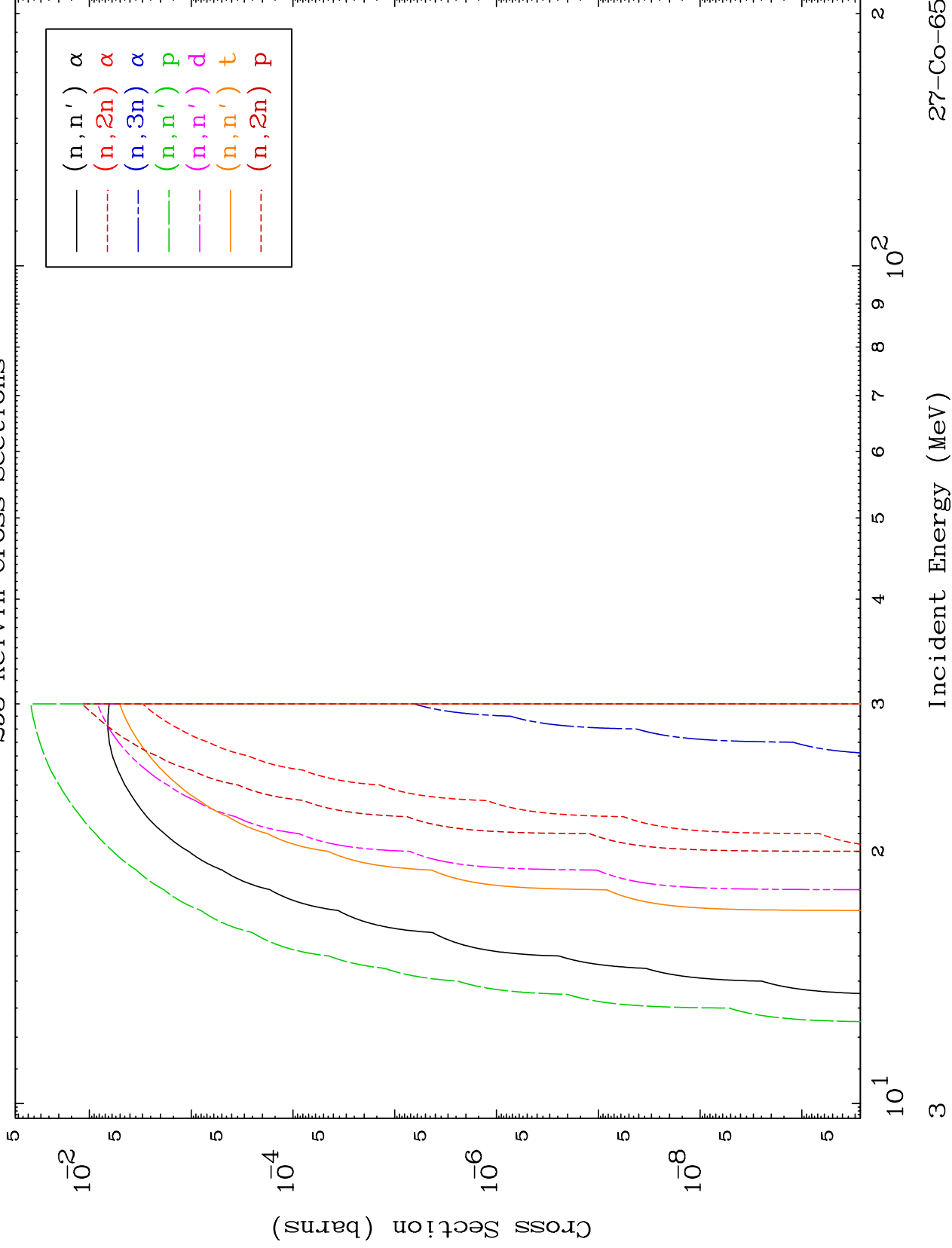
Incident Energy (MeV)

27-Co-65

MAT 2743

Charged Particle  
293 Kelvin Cross Sections

27-Co-65



27-Co-65

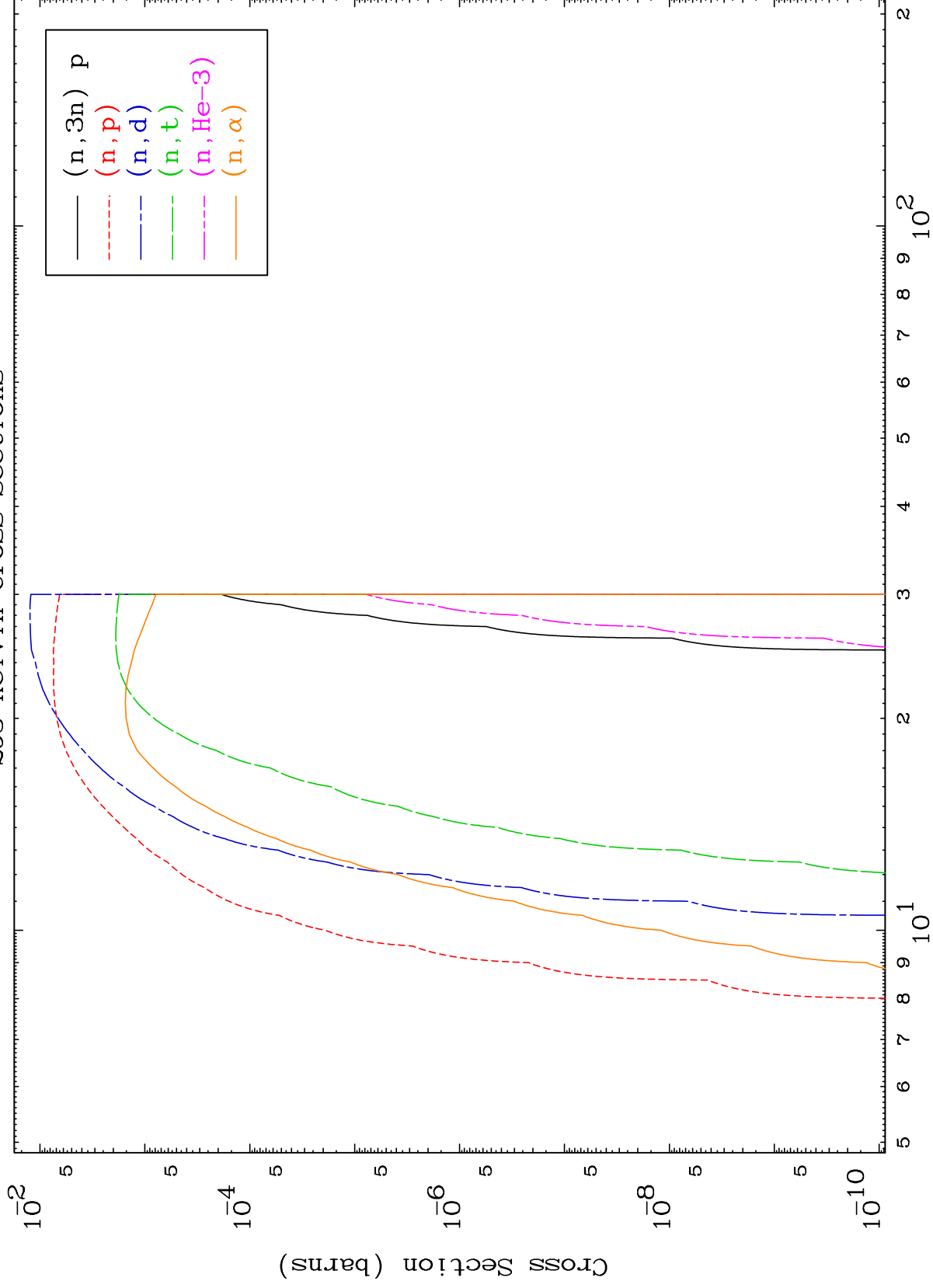
Incident Energy (MeV)

3

MAT 2743

Charged Particle  
293 Kelvin Cross Sections

27-Co-65



4

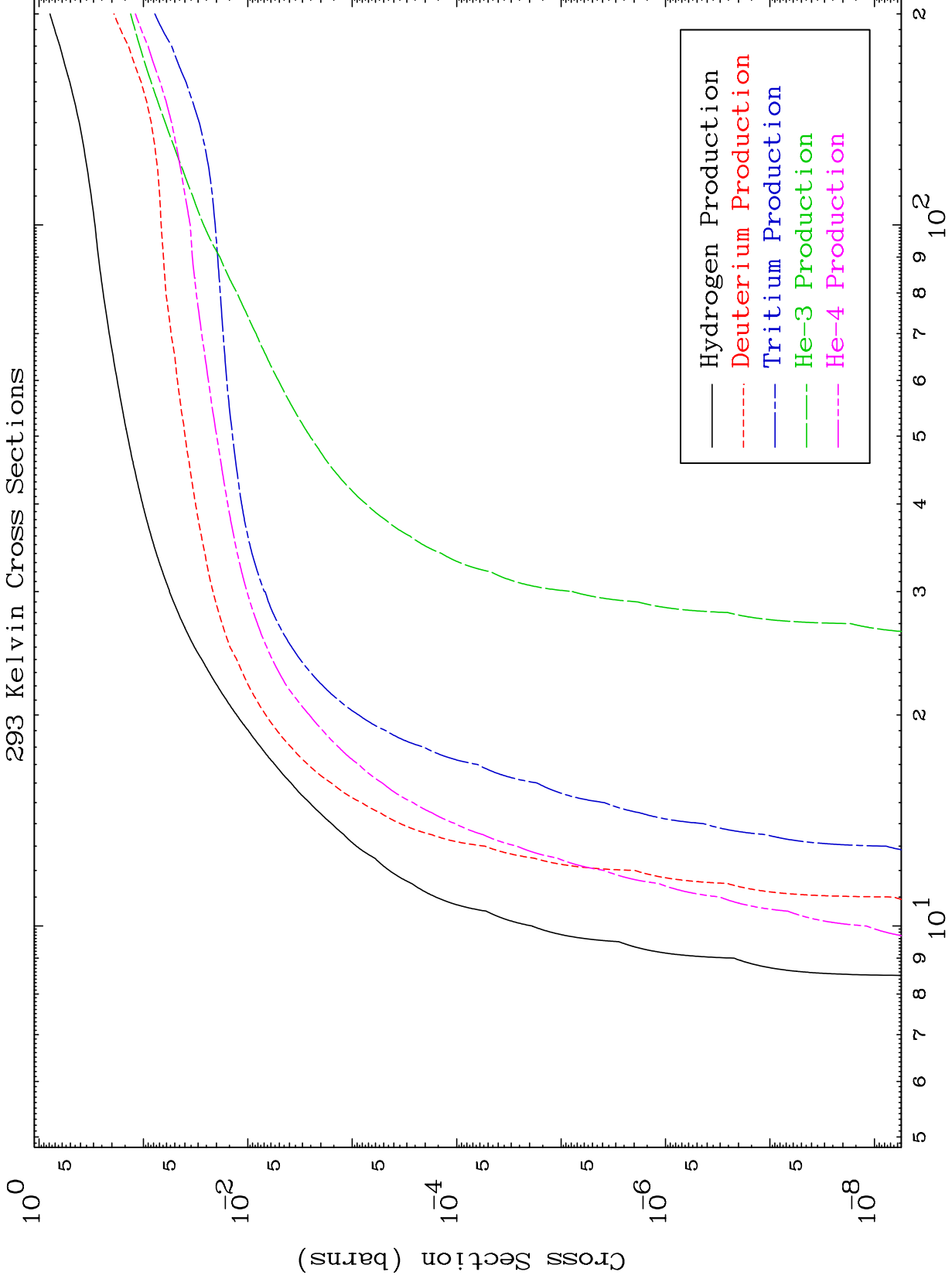
Incident Energy (MeV)

27-Co-65

MAT 2743

Particle Production  
293 Kelvin Cross Sections

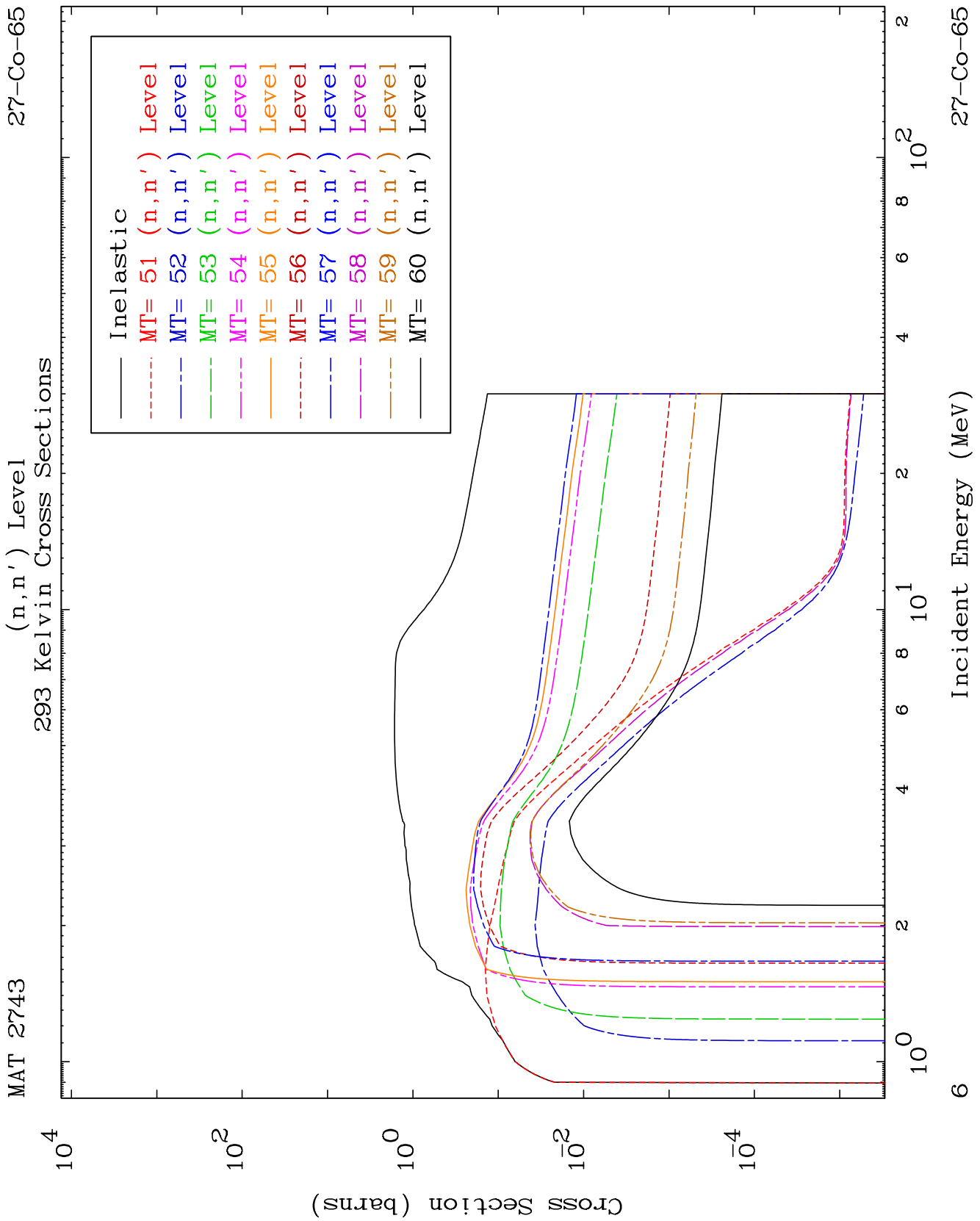
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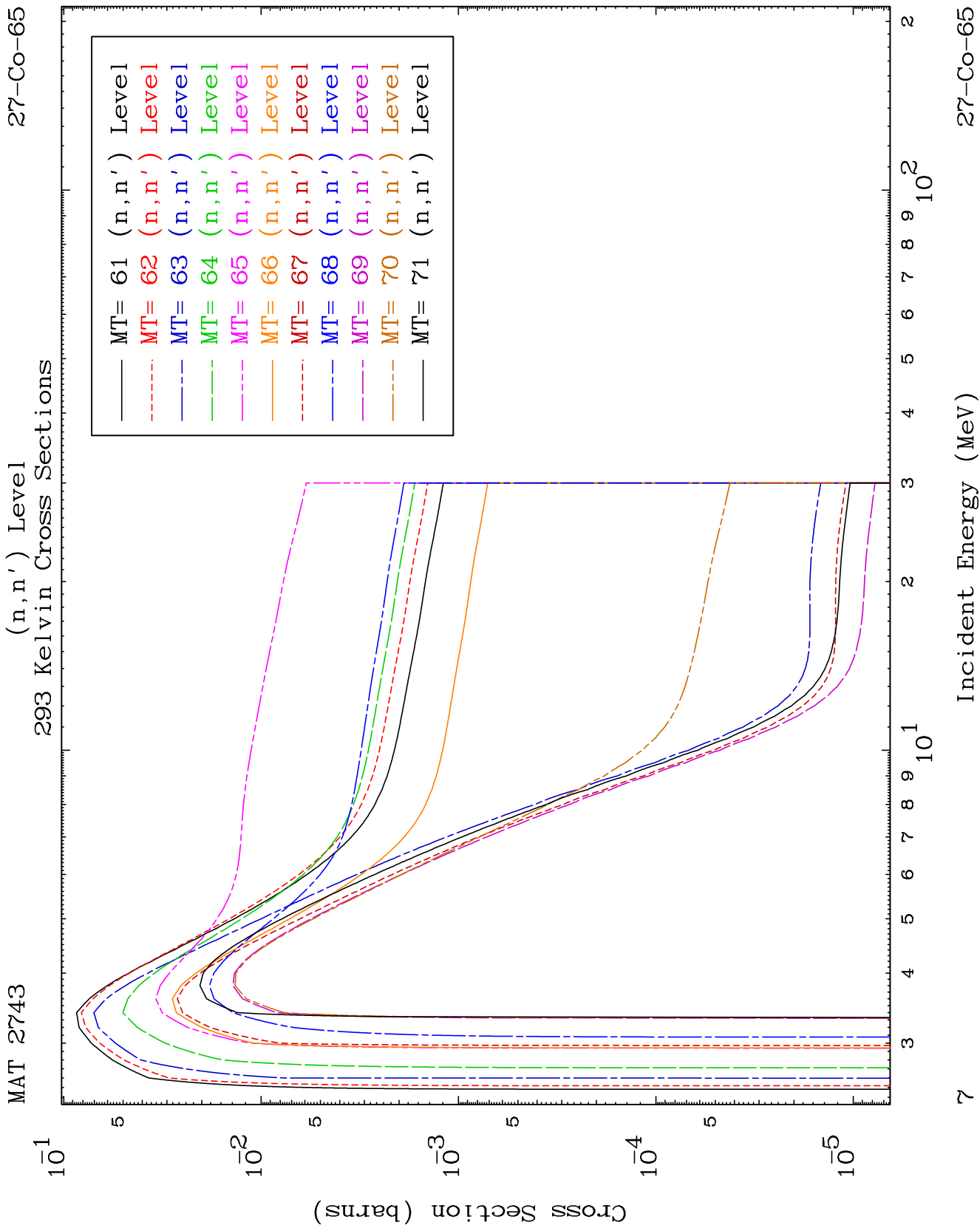


5

Incident Energy (MeV)

27-Co-65





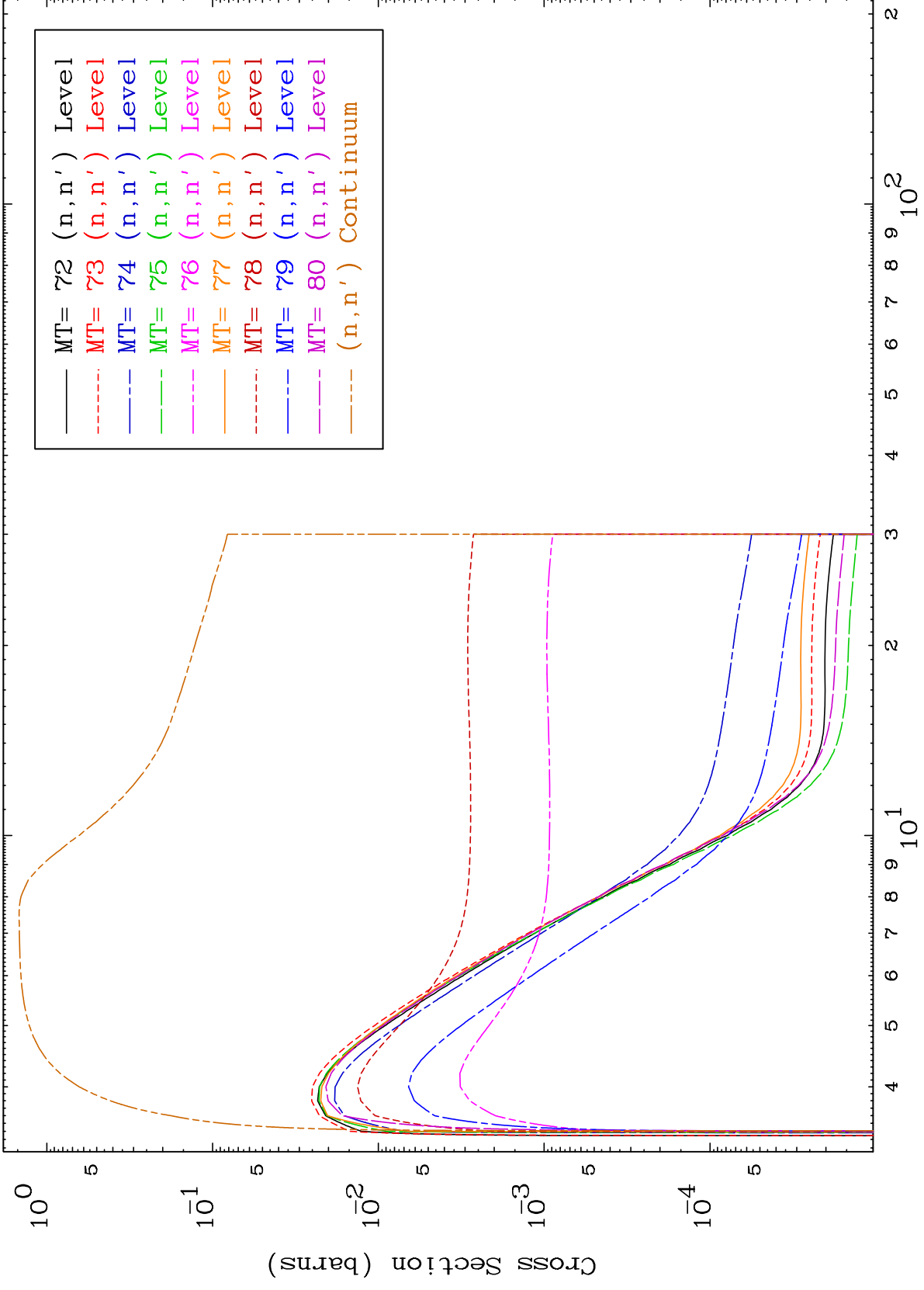


MAT 2743

(n,n') Level

27-Co-65

293 Kelvin Cross Sections



8

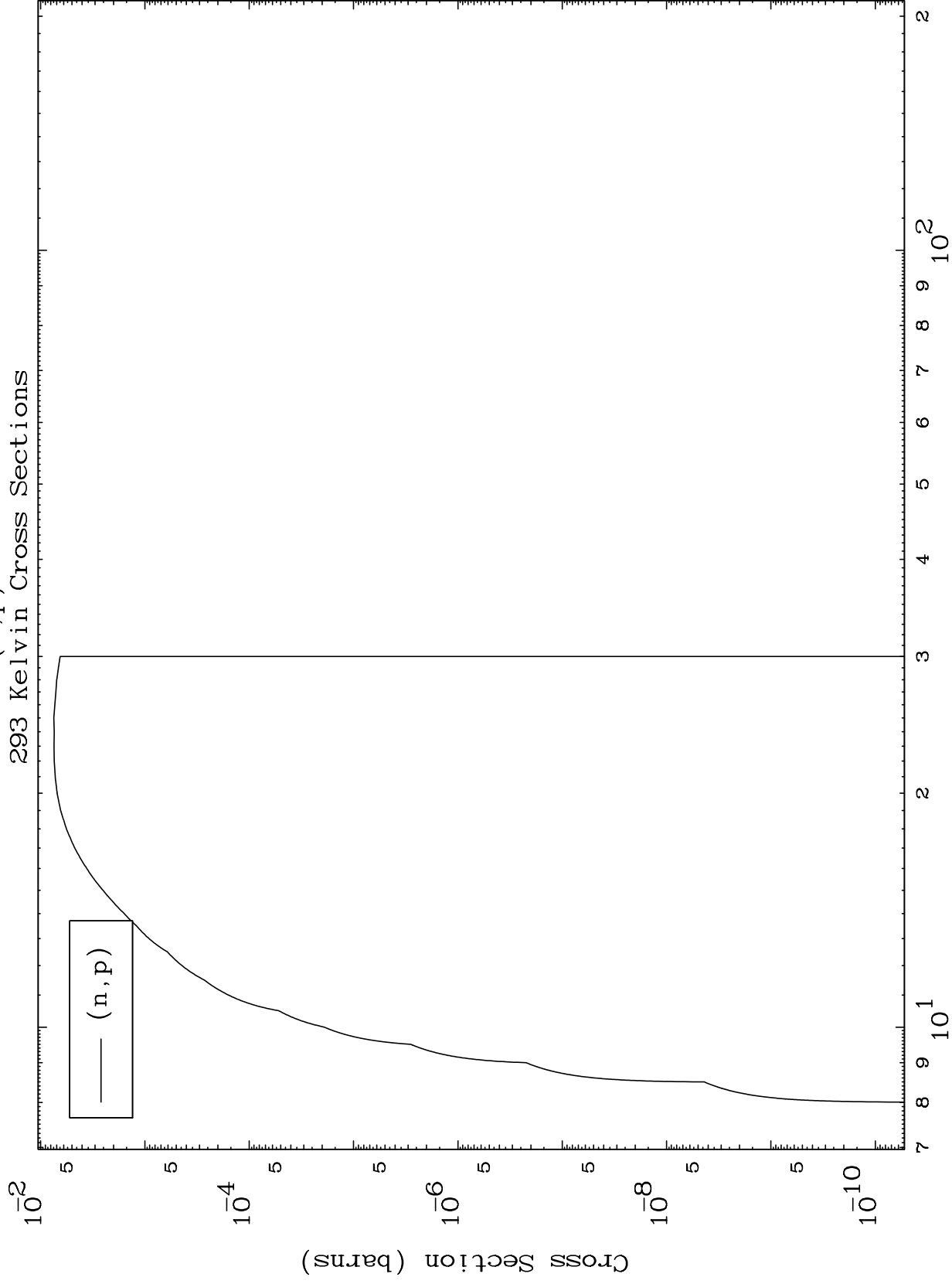
Incident Energy (MeV)

27-Co-65

MAT 2743

(n,p) Levels  
293 Kelvin Cross Sections

27-Co-65



9

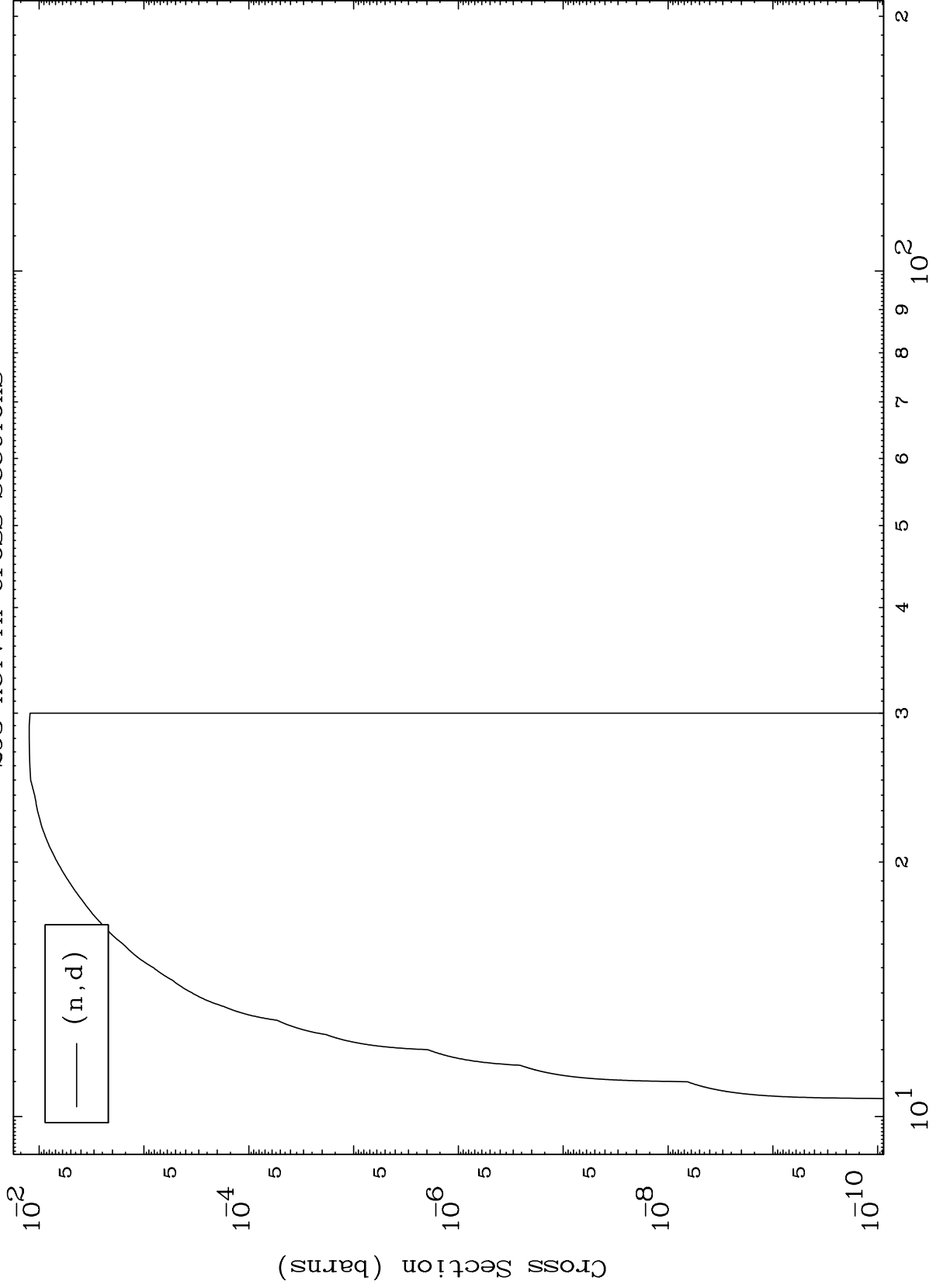
Incident Energy (MeV)

27-Co-65

MAT 2743

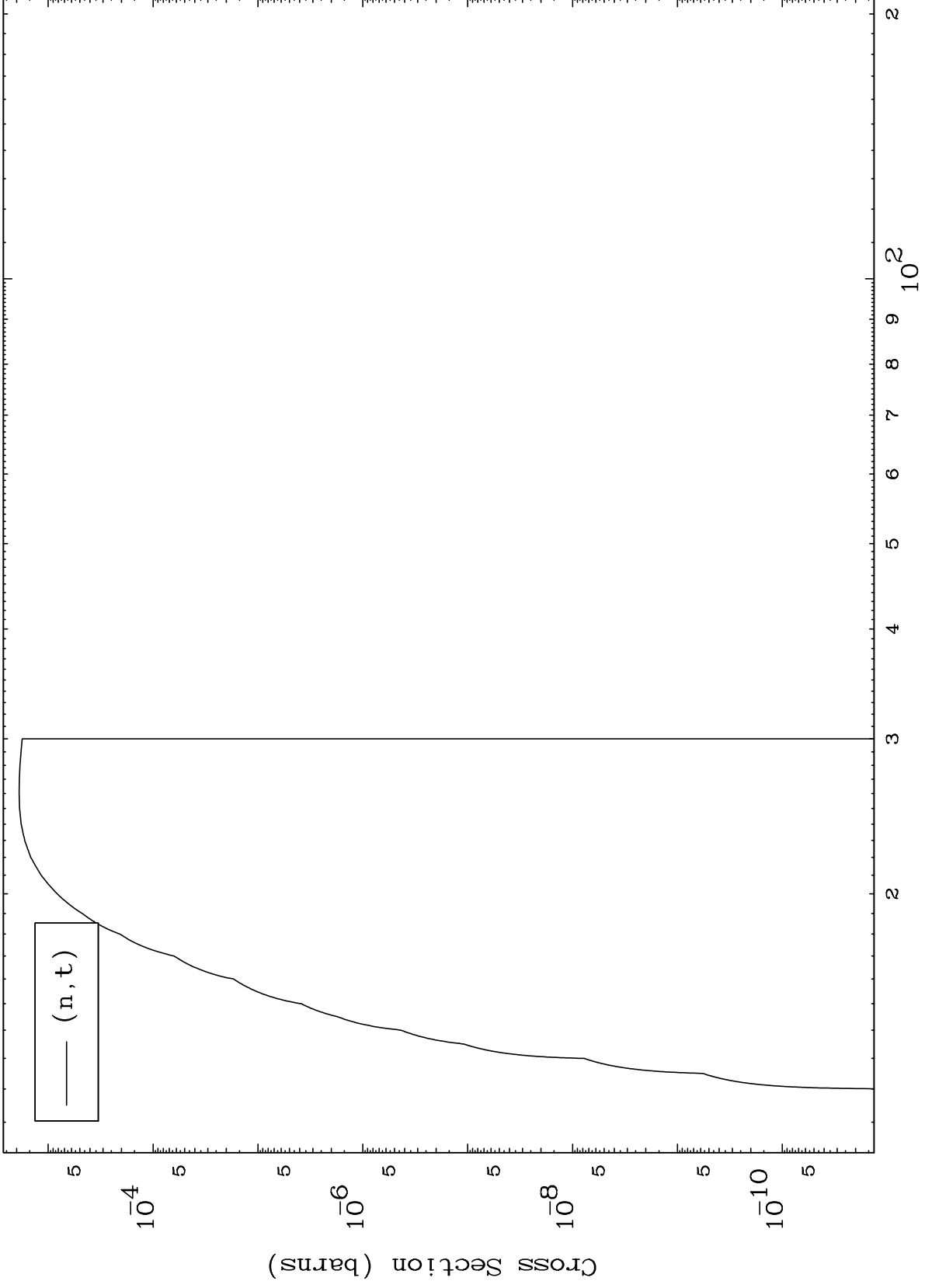
(n,d) Levels  
293 Kelvin Cross Sections

27-Co-65



27-Co-65

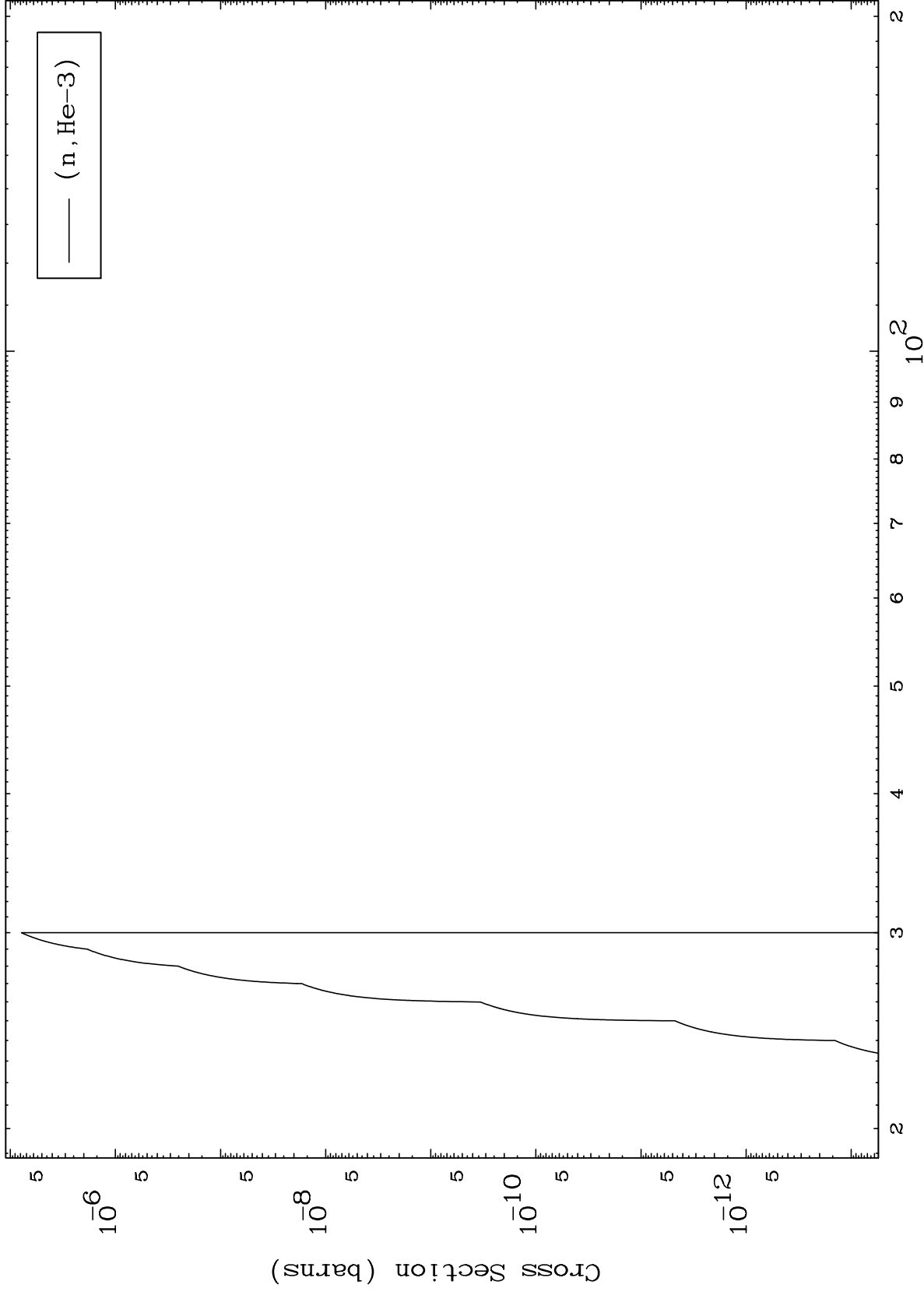
Incident Energy (MeV)



MAT 2743

(n,He3) Levels  
293 Kelvin Cross Sections

27-Co-65



12

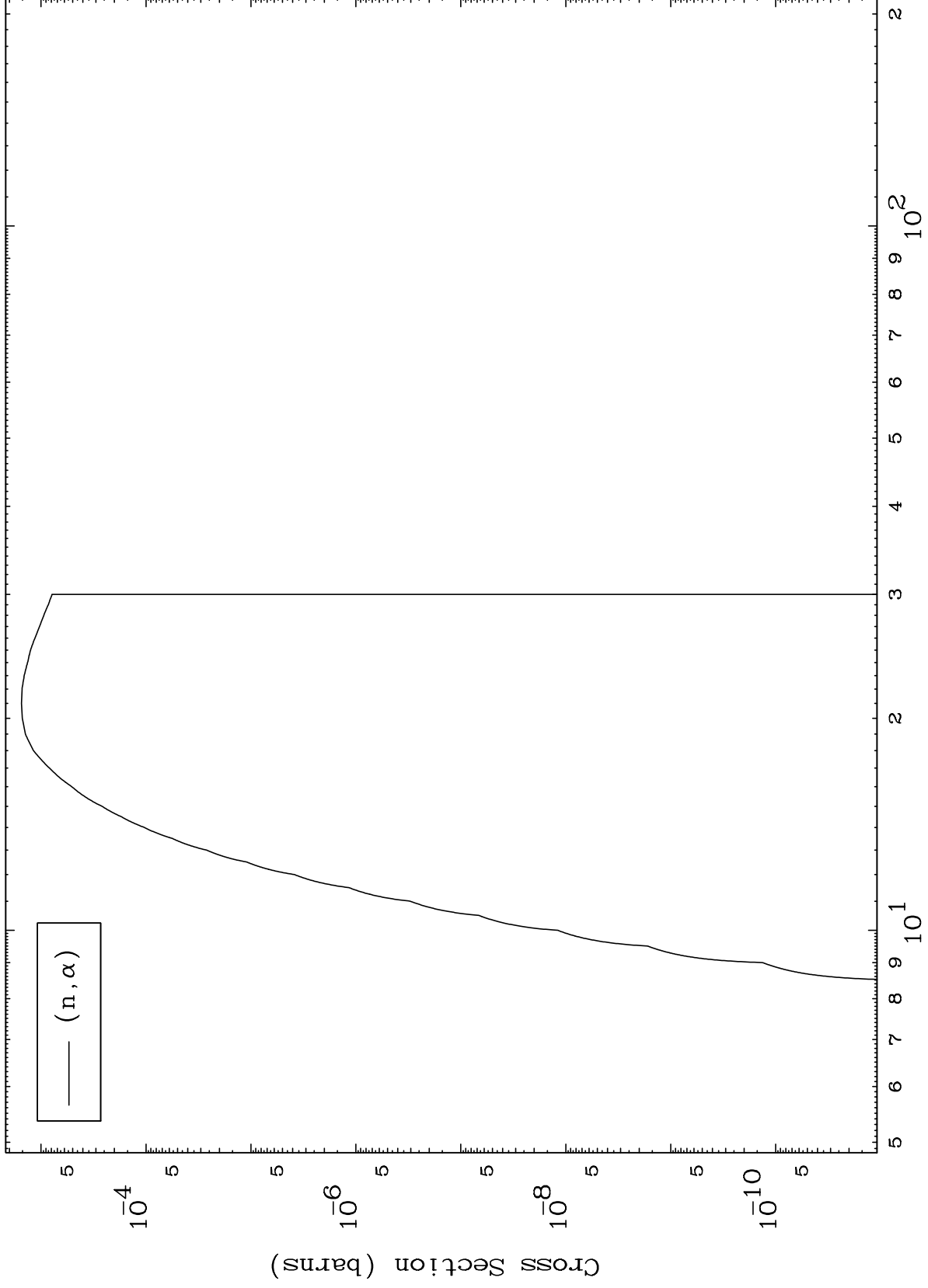
Incident Energy (MeV)

27-Co-65

MAT 2743

(n,α) Levels  
293 Kelvin Cross Sections

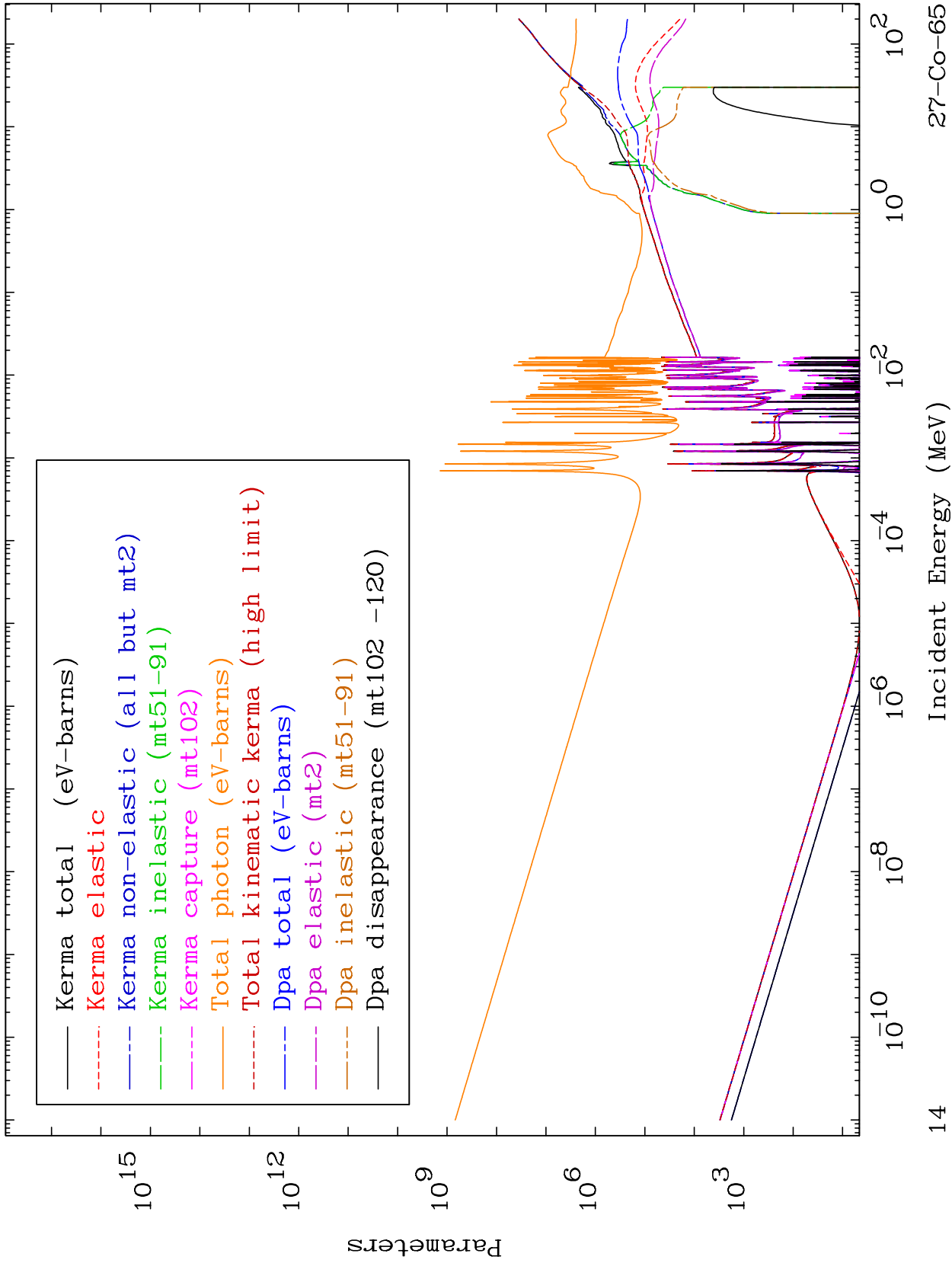
27-Co-65



13

Incident Energy (MeV)

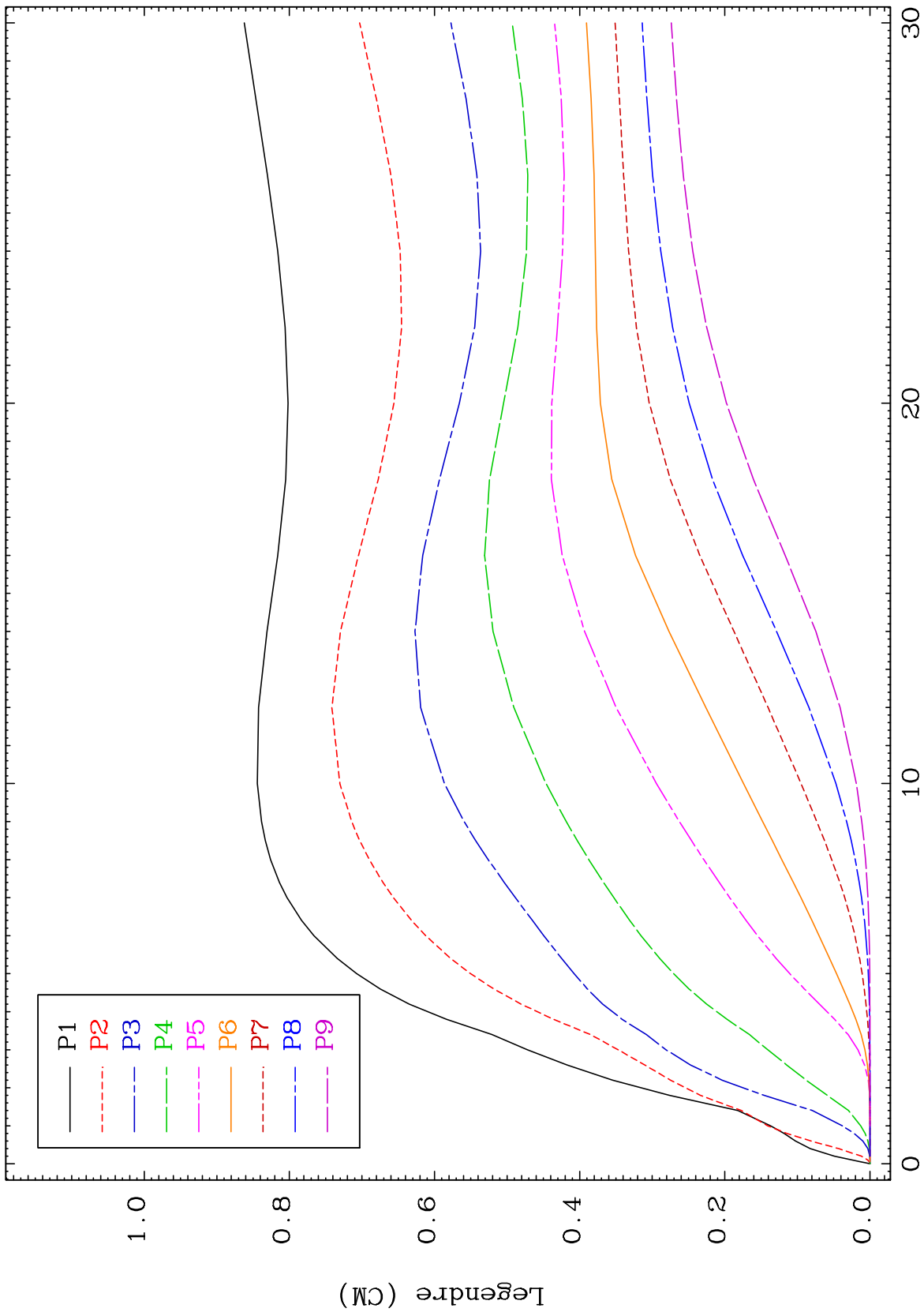
27-Co-65



MAT 2743

Elastic Legendre Coefficients

27-Co-65



15

Incident Energy (MeV)

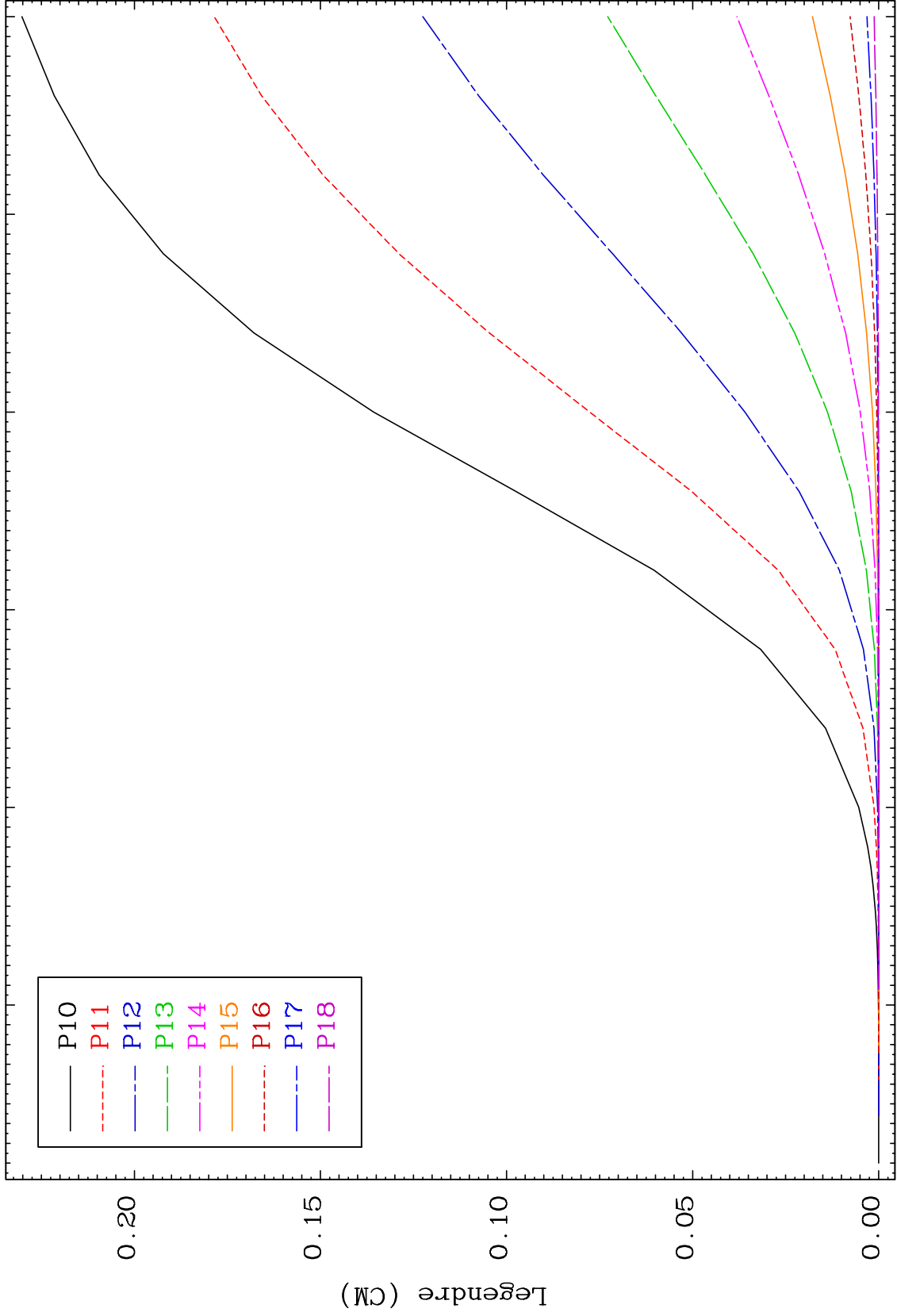
27-Co-65



MAT 2743

Elastic Legendre Coefficients

27-Co-65



16

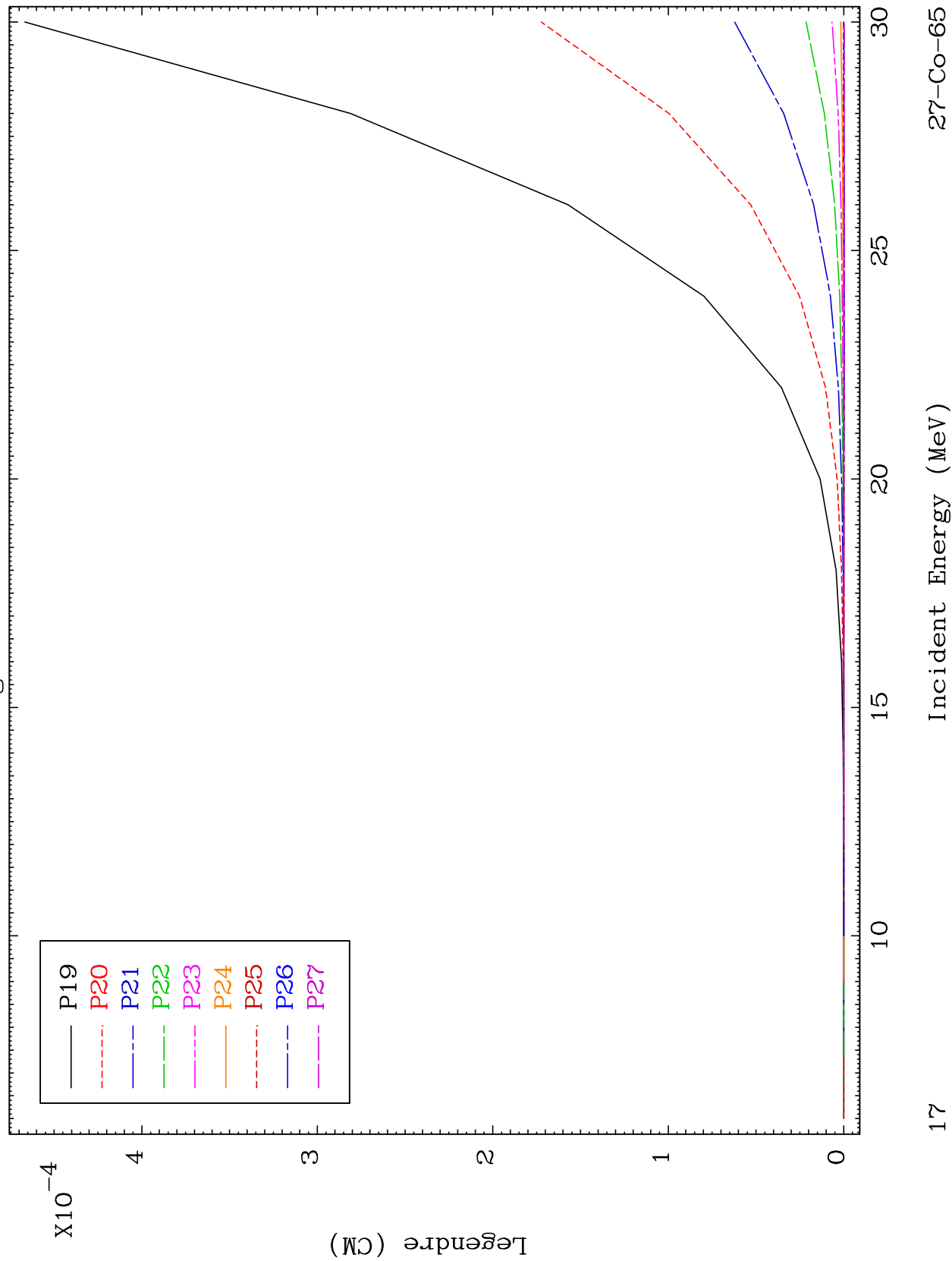
Incident Energy (MeV)

27-Co-65

MAT 2743

### Elastic Legendre Coefficients

27-Co-65



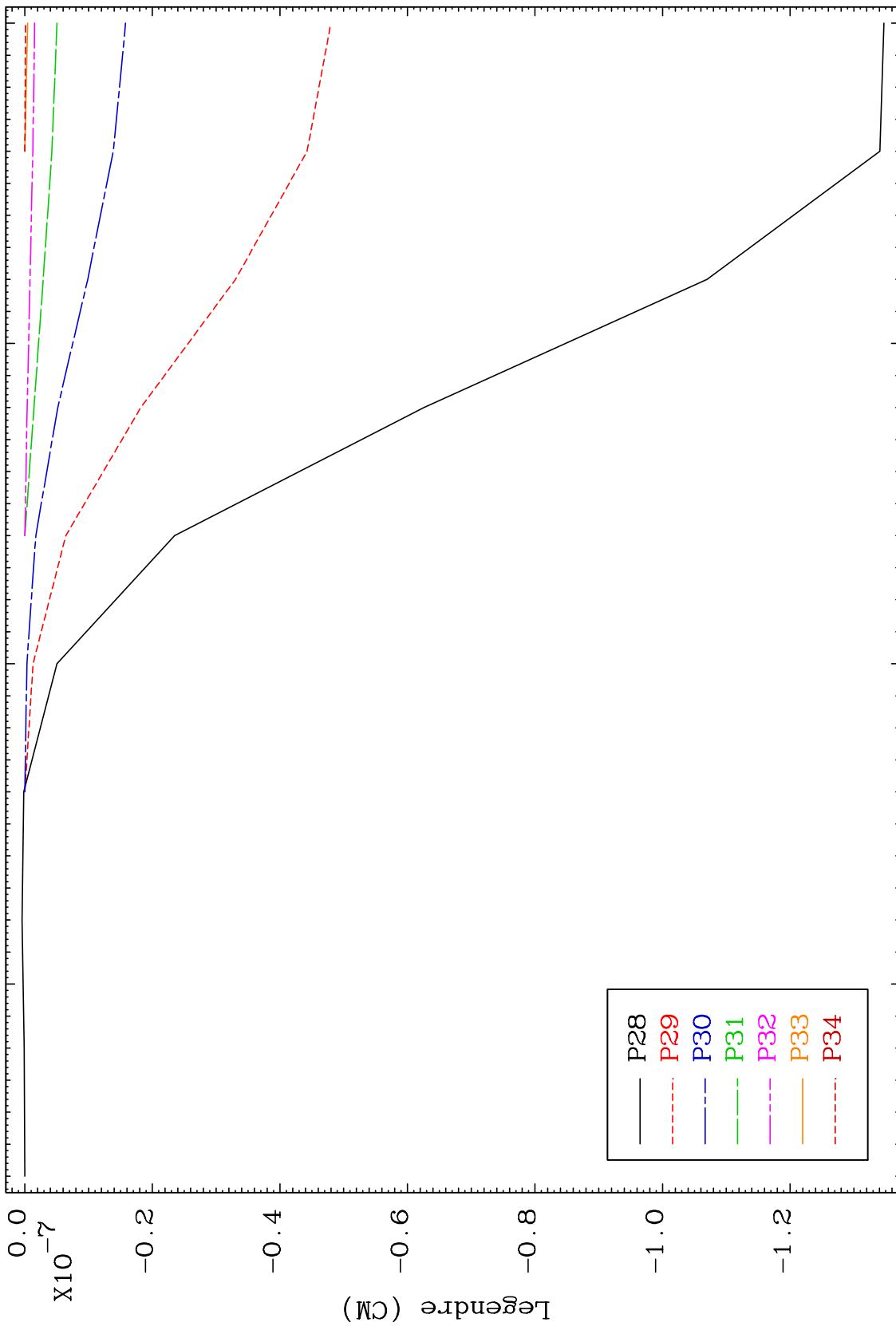
17

27-Co-65

MAT 2743

27-Co-65

Elastic Legendre Coefficients



18

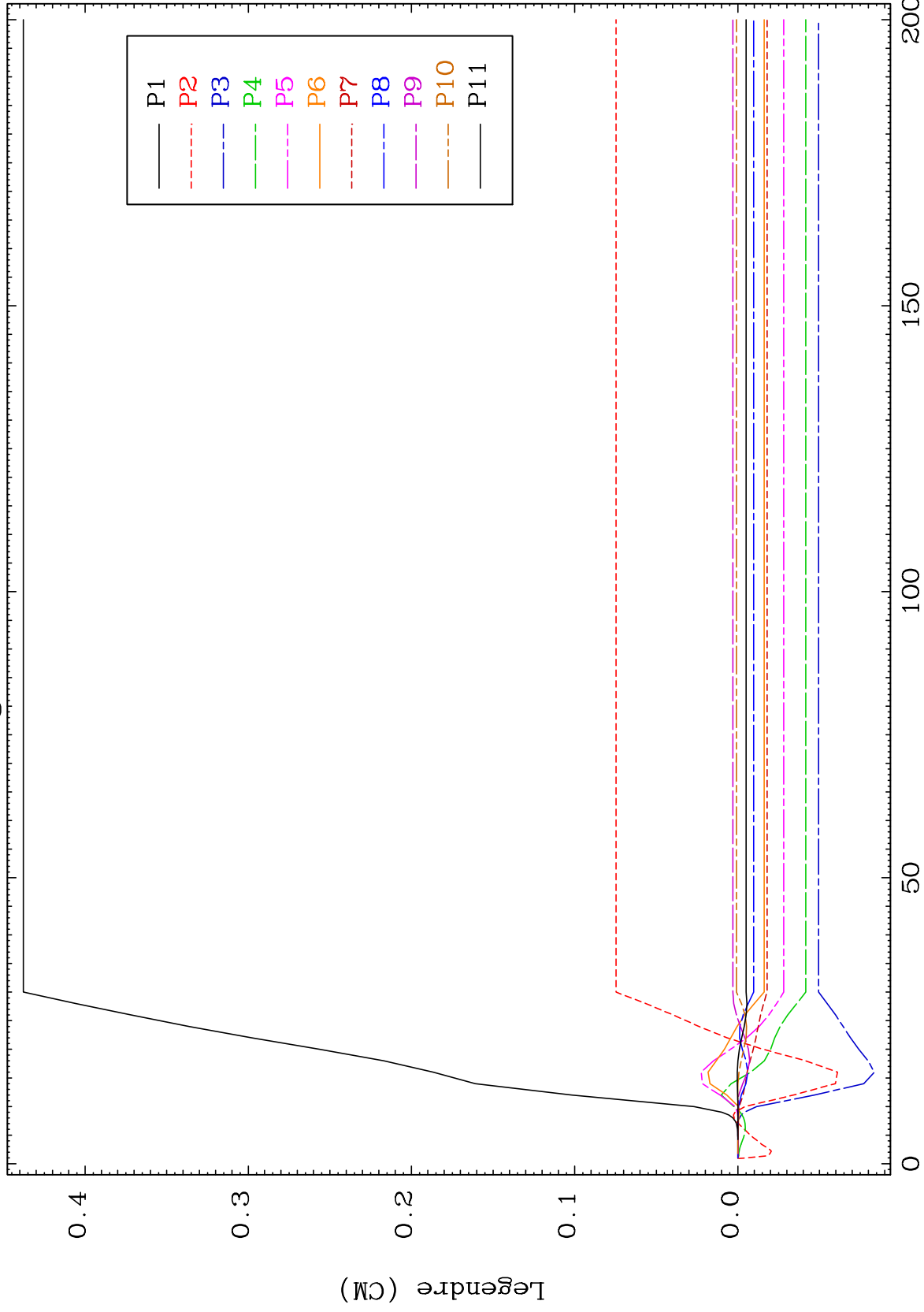
Incident Energy (MeV)

27-Co-65

MAT 2743

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

27-Co-65



19

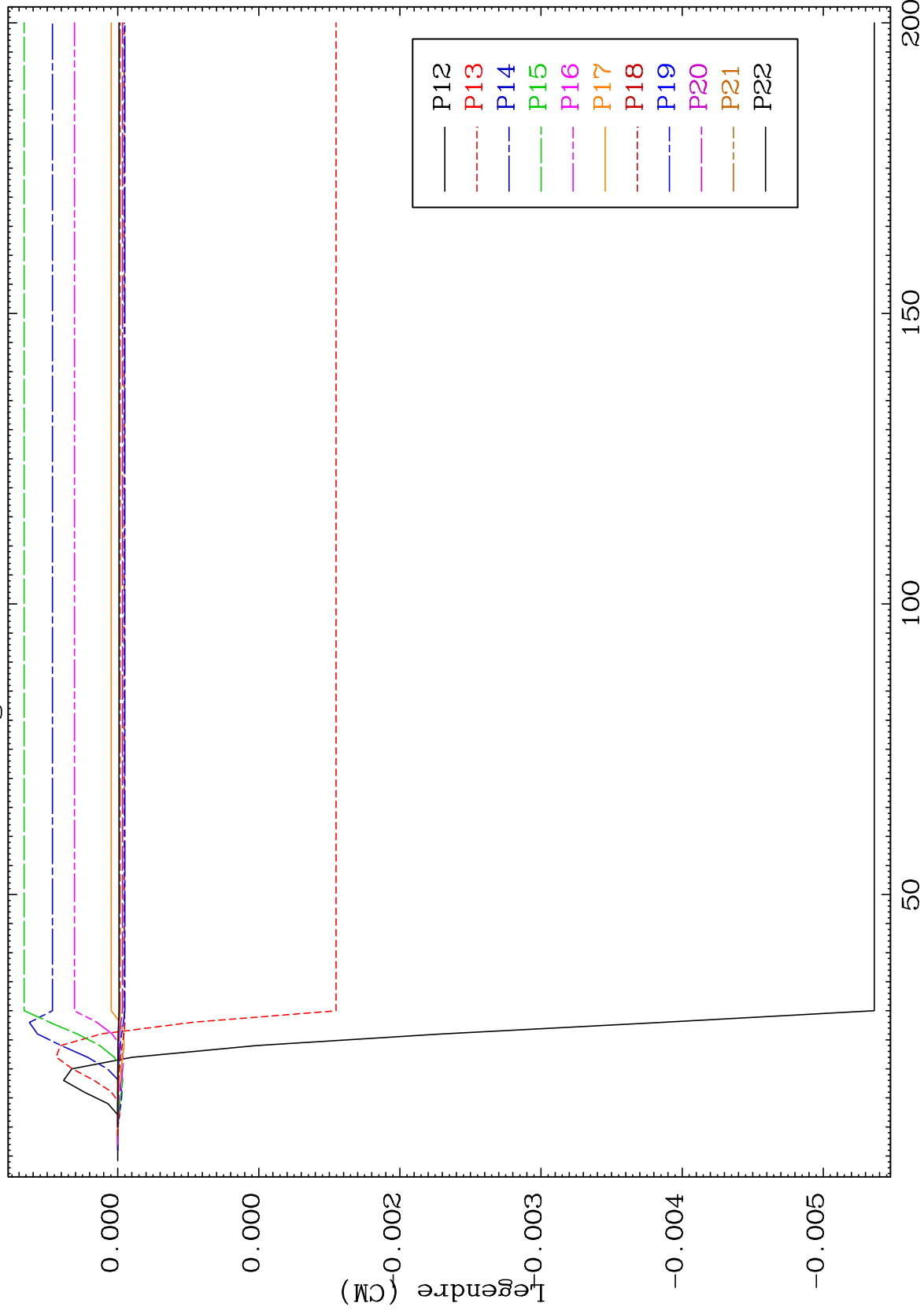
Incident Energy (MeV)

27-Co-65

MAT 2743

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

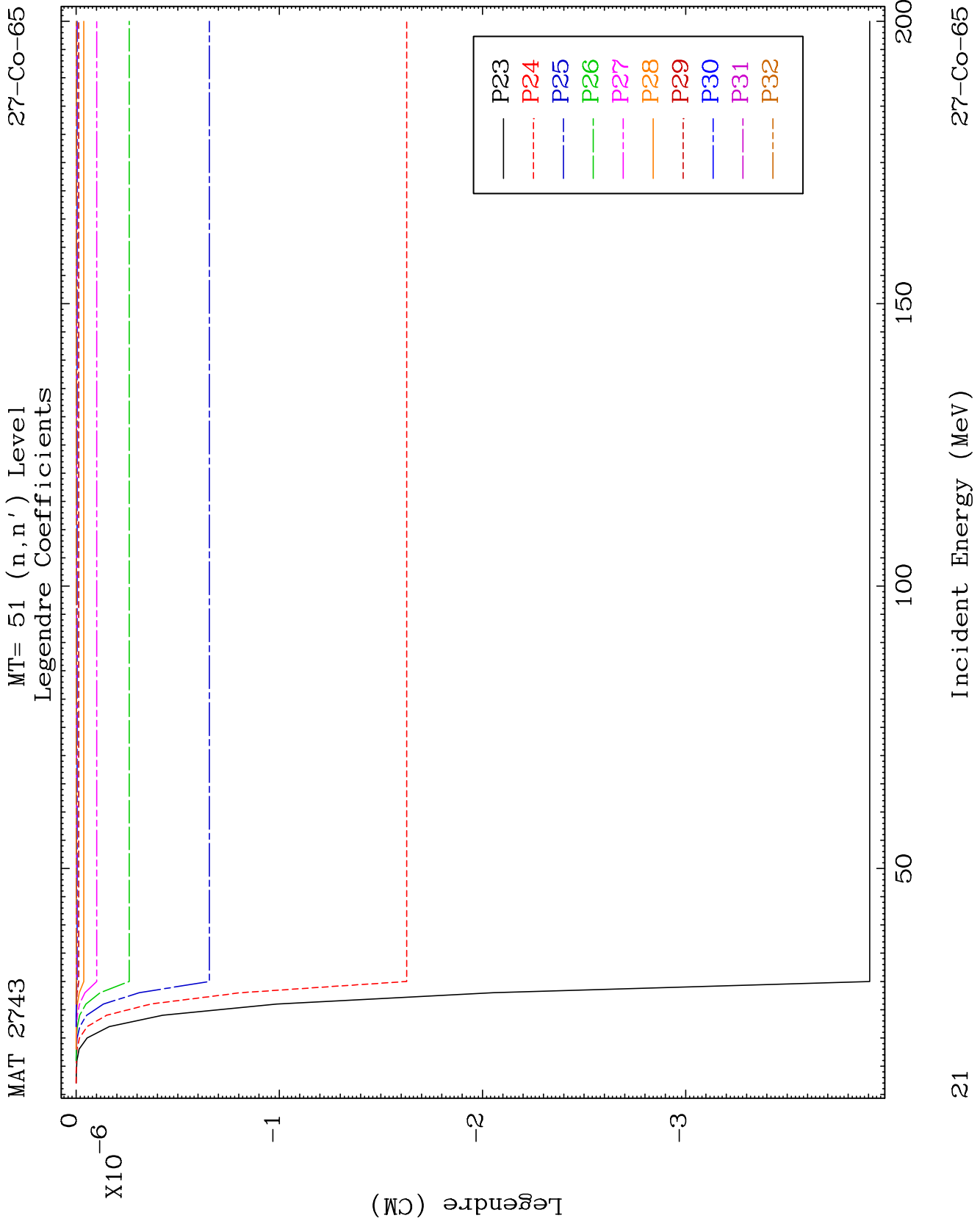
27-Co-65



20

Incident Energy (MeV)

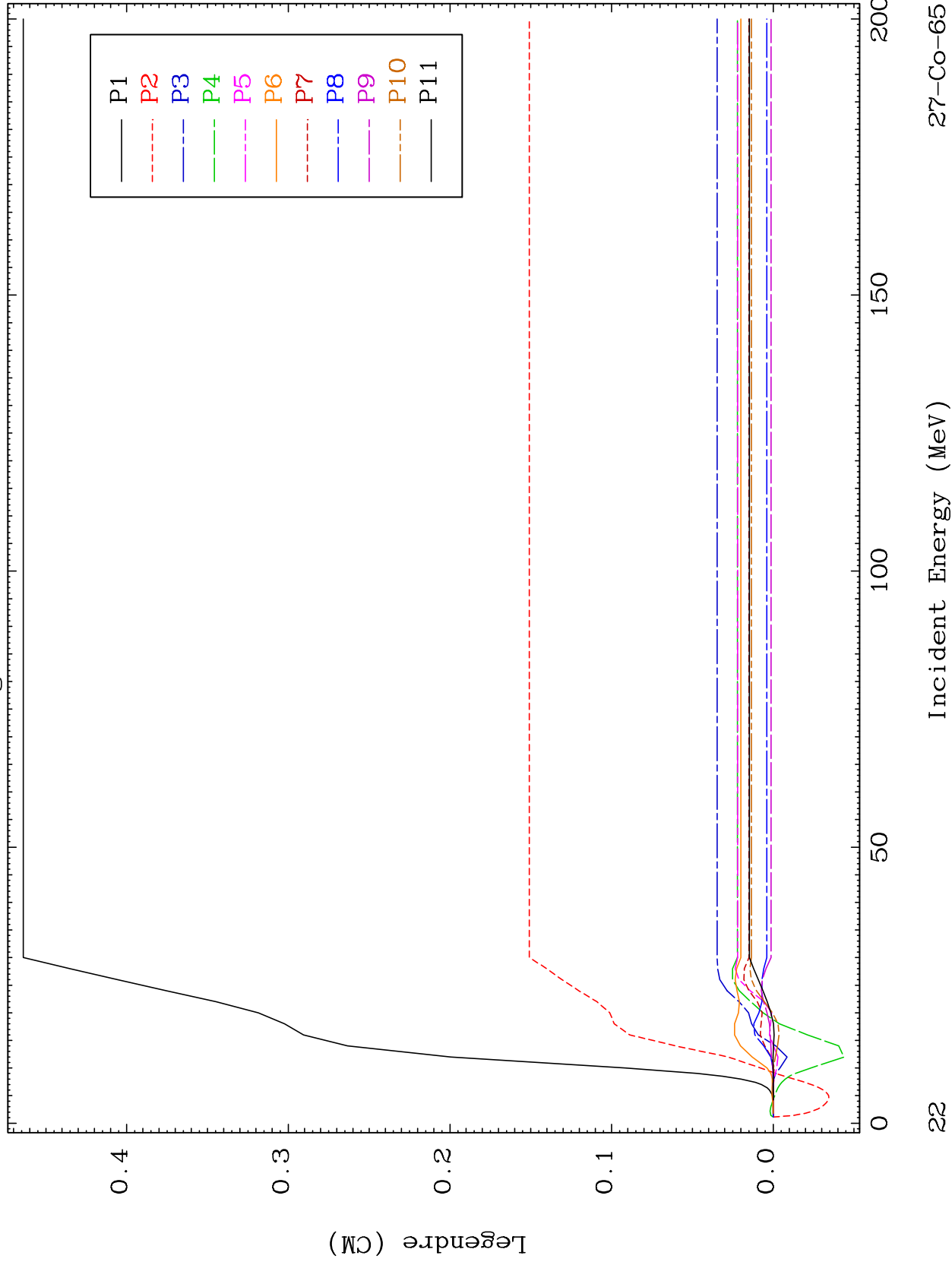
27-Co-65



MAT 2743

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

27-Co-65



27-Co-65

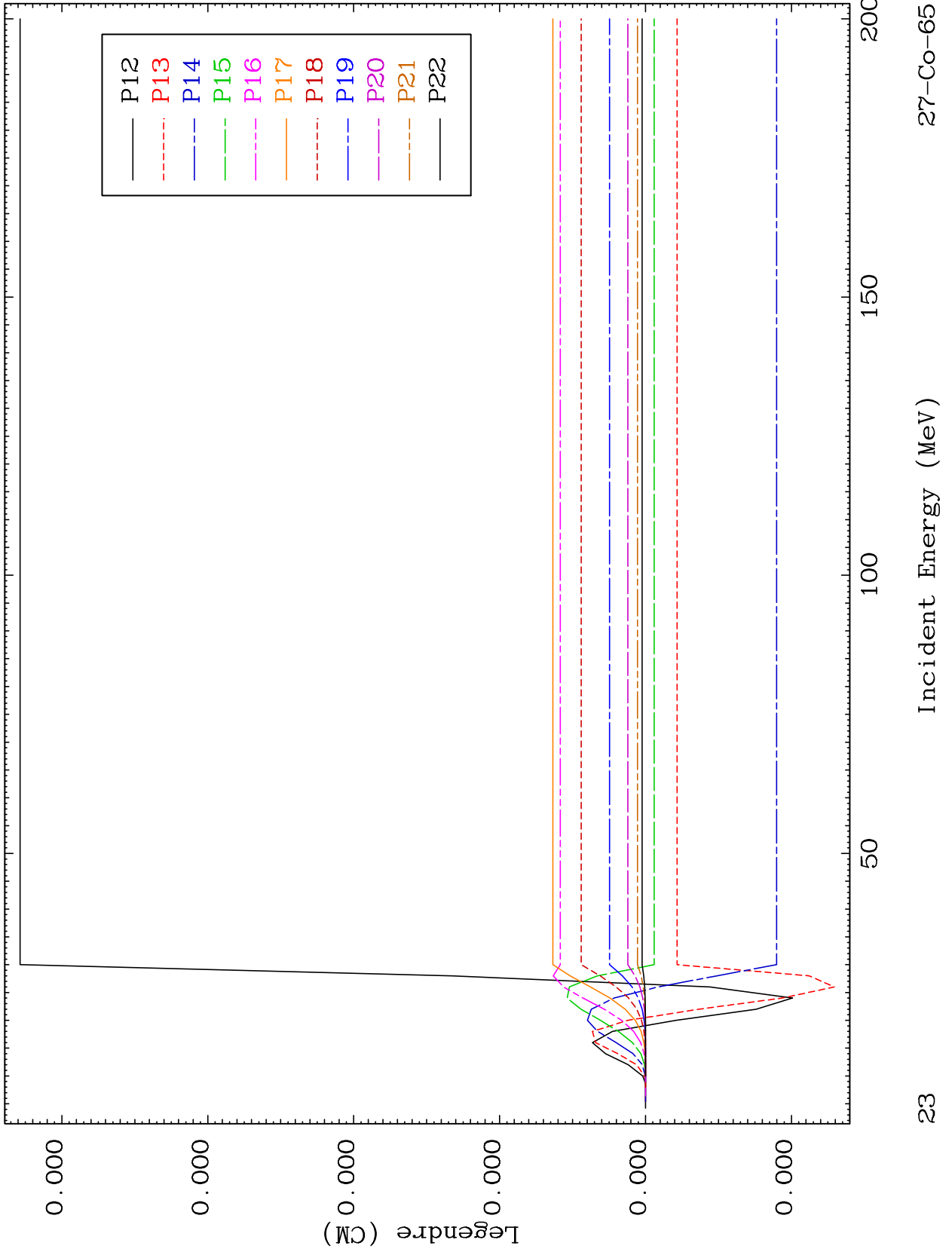
Incident Energy (MeV)

22

MAT 2743

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

27-Co-65

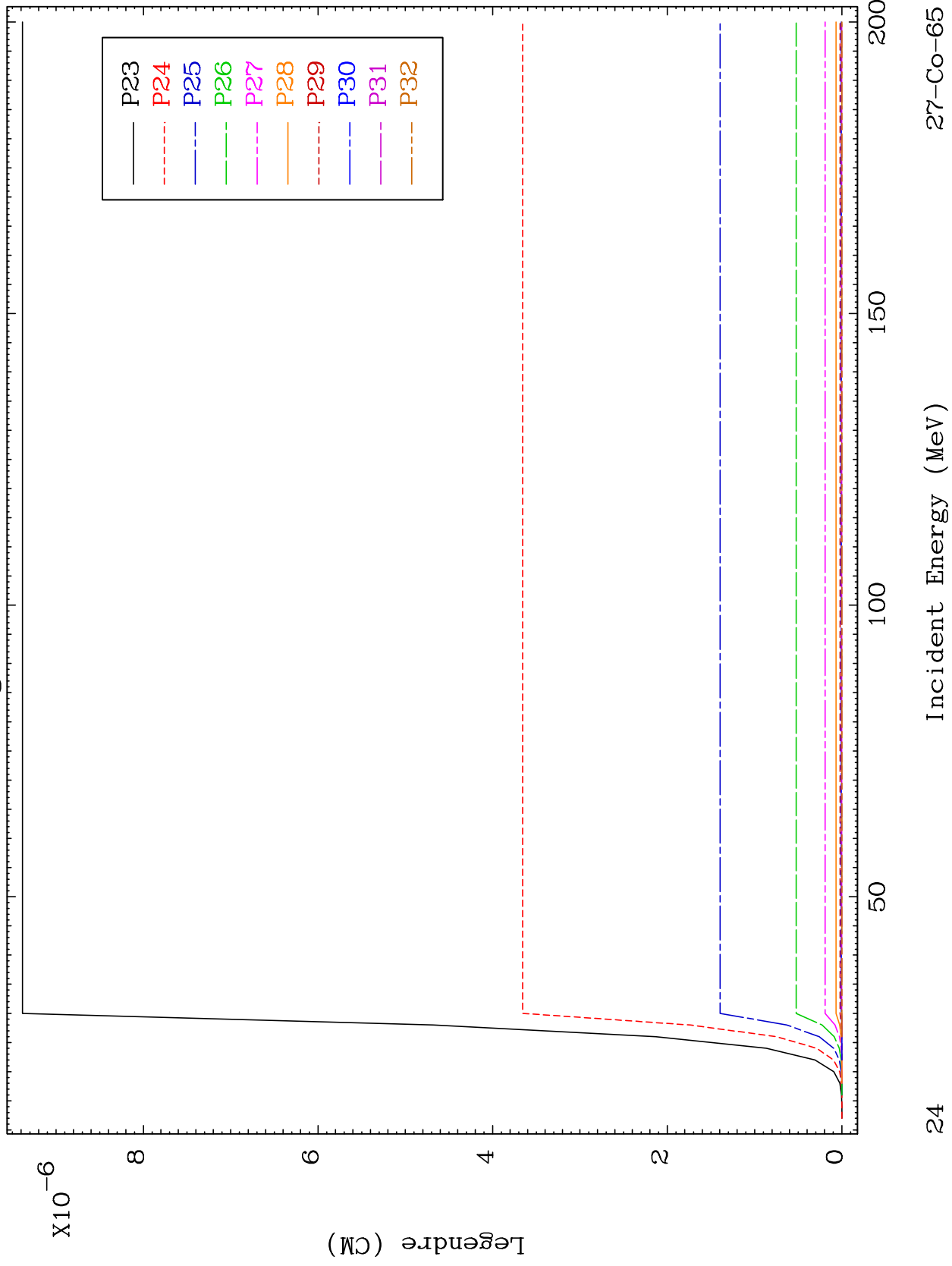




MAT 2743

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

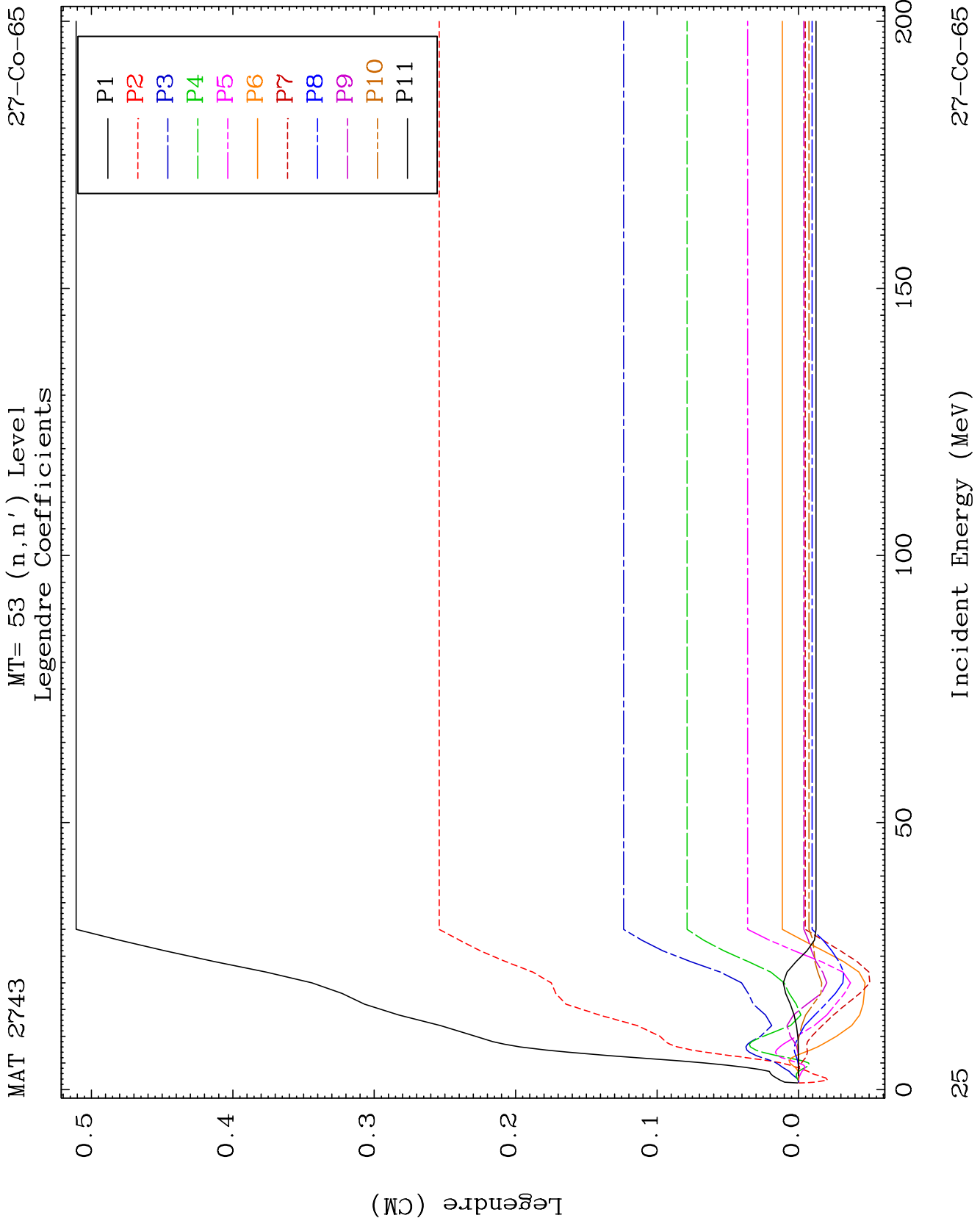
27-Co-65



24

Incident Energy (MeV)

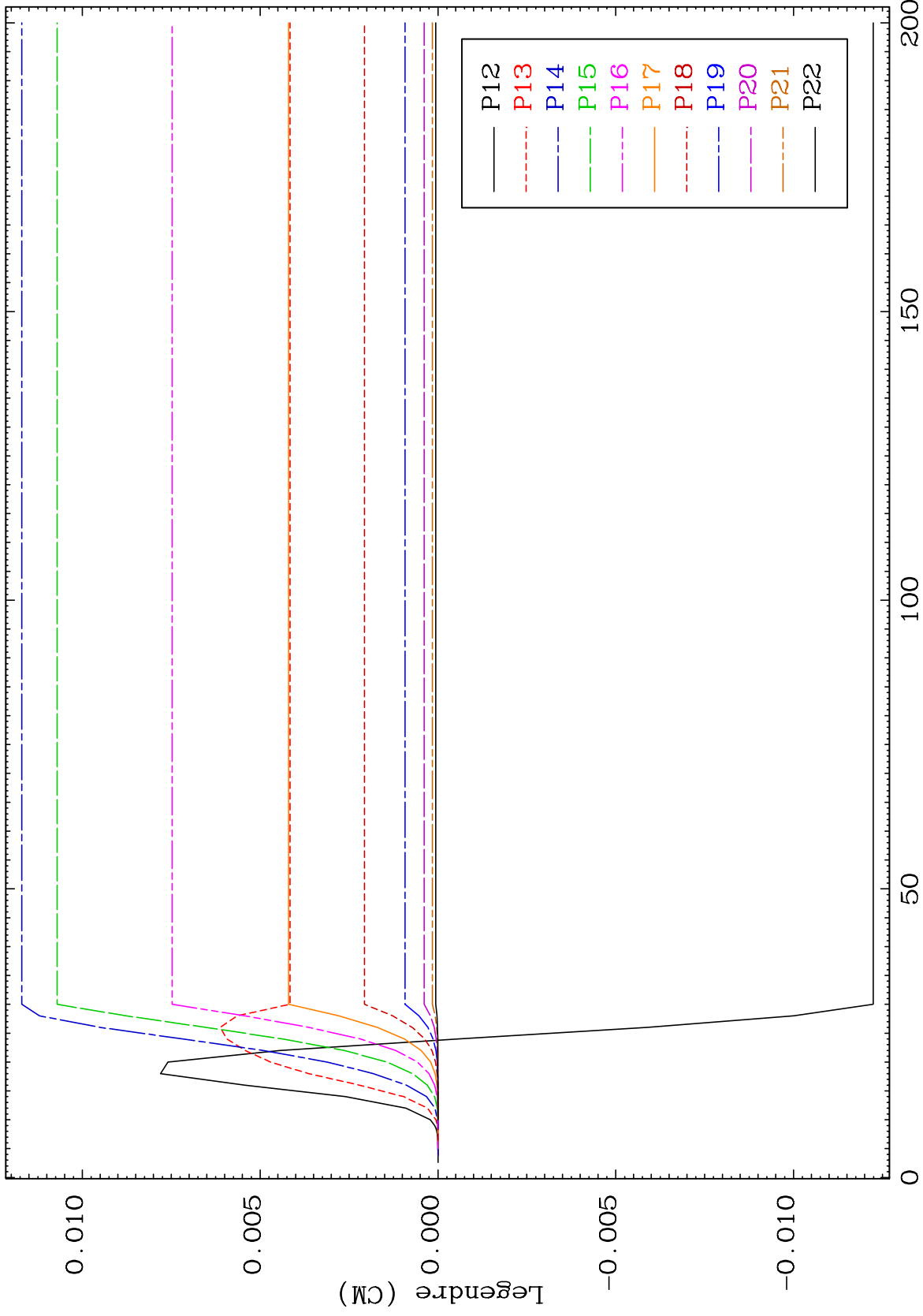
27-Co-65



MAT 2743

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

27-Co-65



26

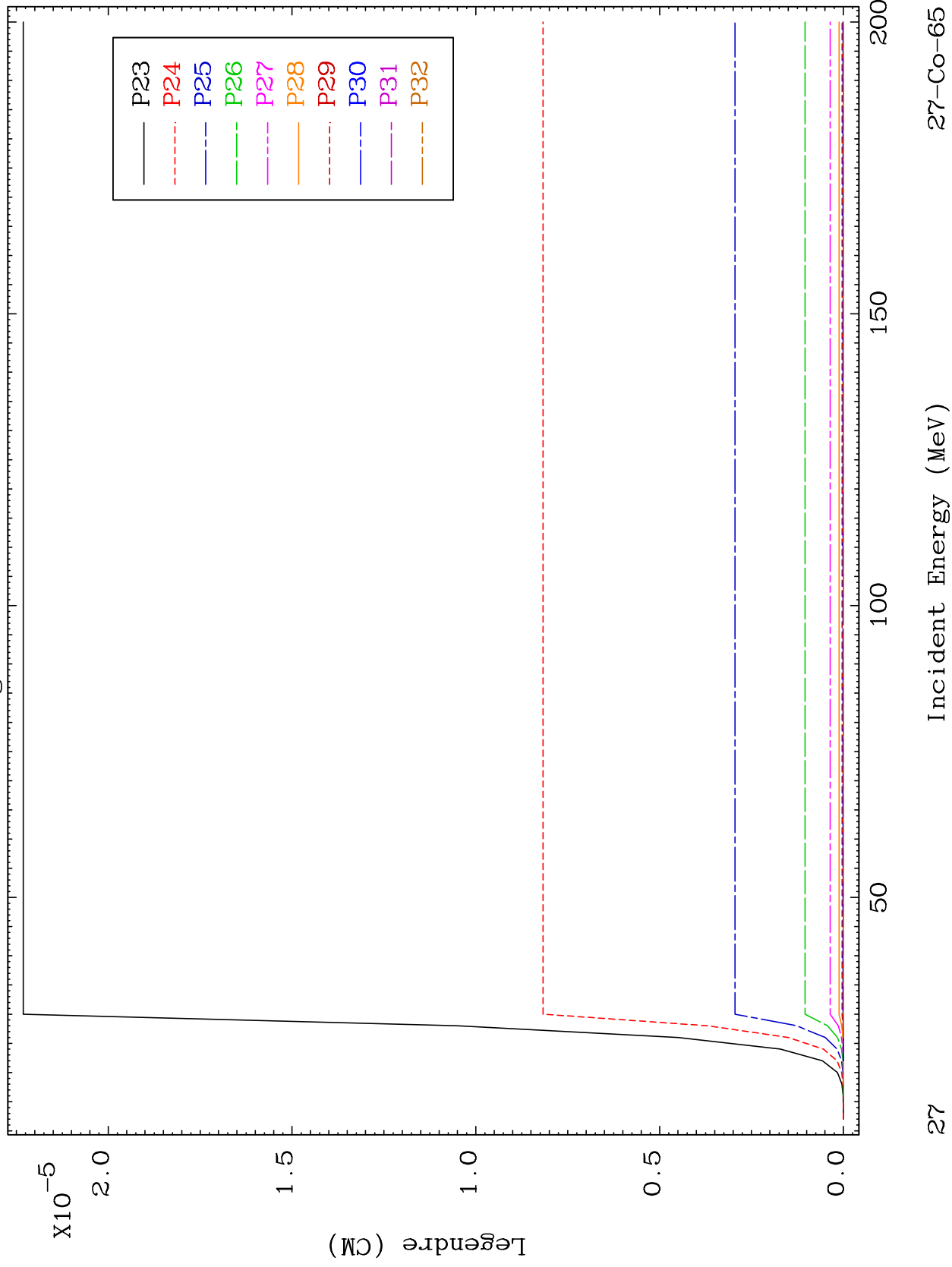
Incident Energy (MeV)

27-Co-65

MAT 2743

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

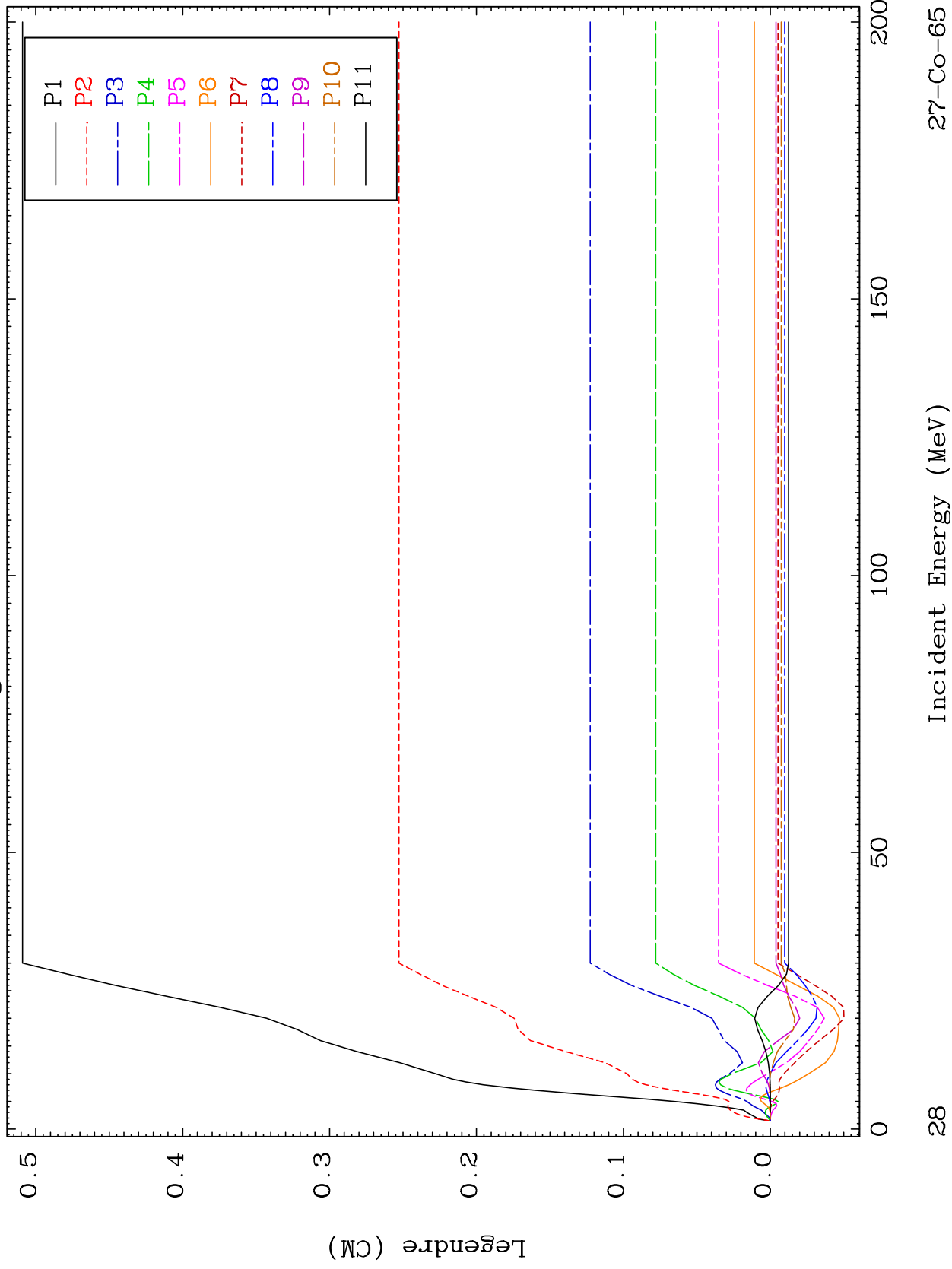
27-Co-65



MAT 2743

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

27-Co-65



27-Co-65

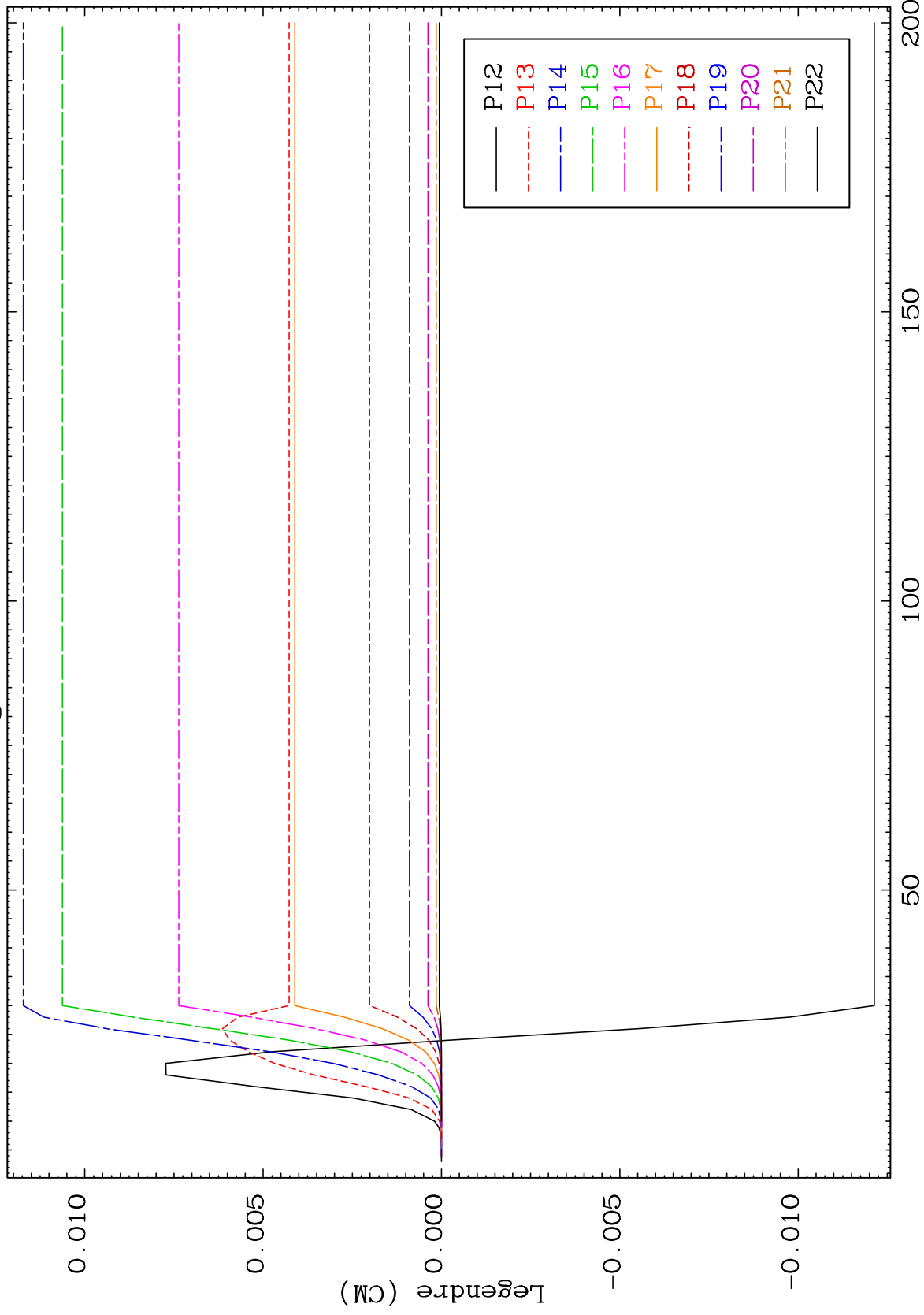
Incident Energy (MeV)

28

MAT 2743

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

27-Co-65



29

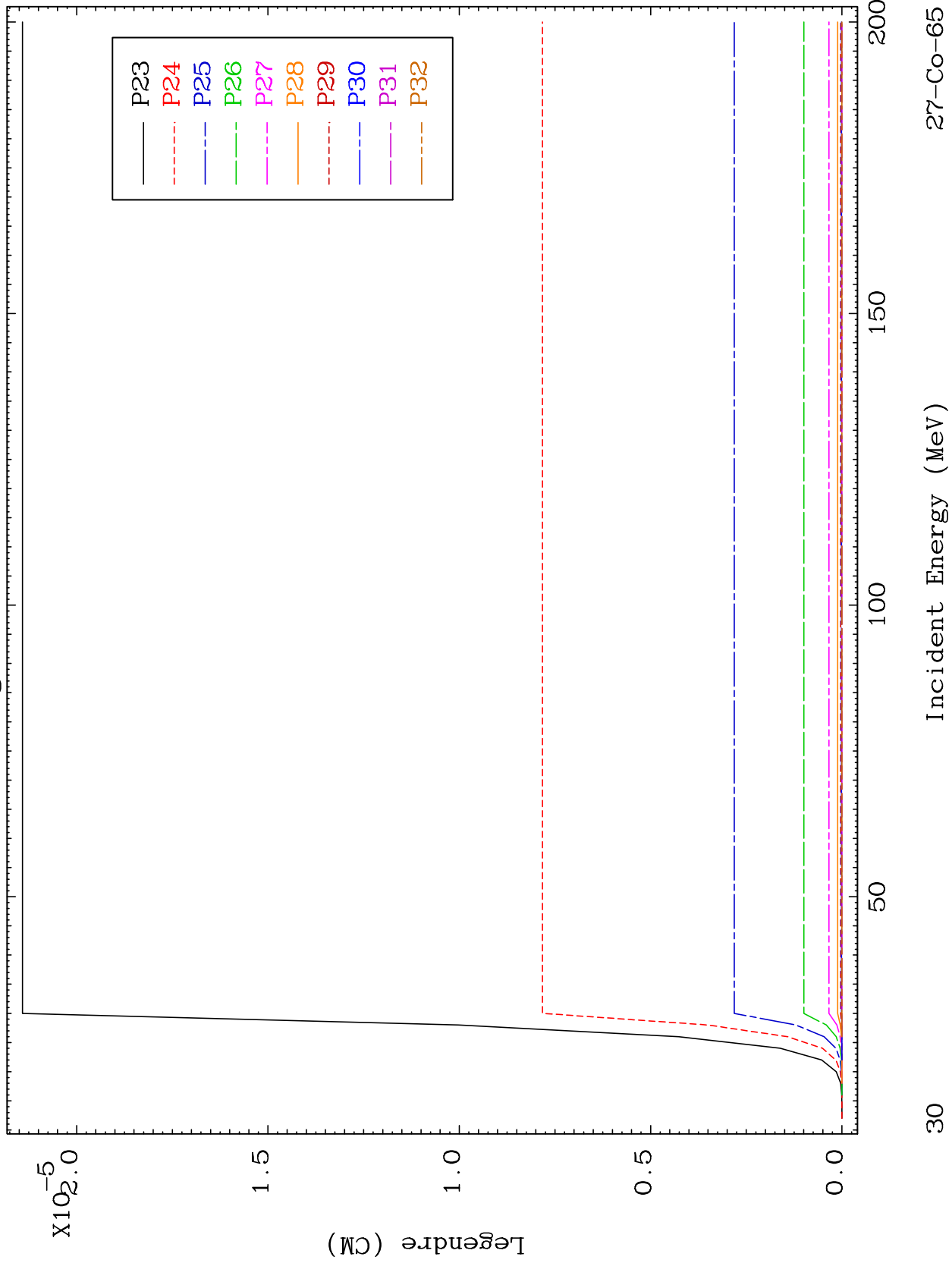
Incident Energy (MeV)

27-Co-65

MAT 2743

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

27-Co-65



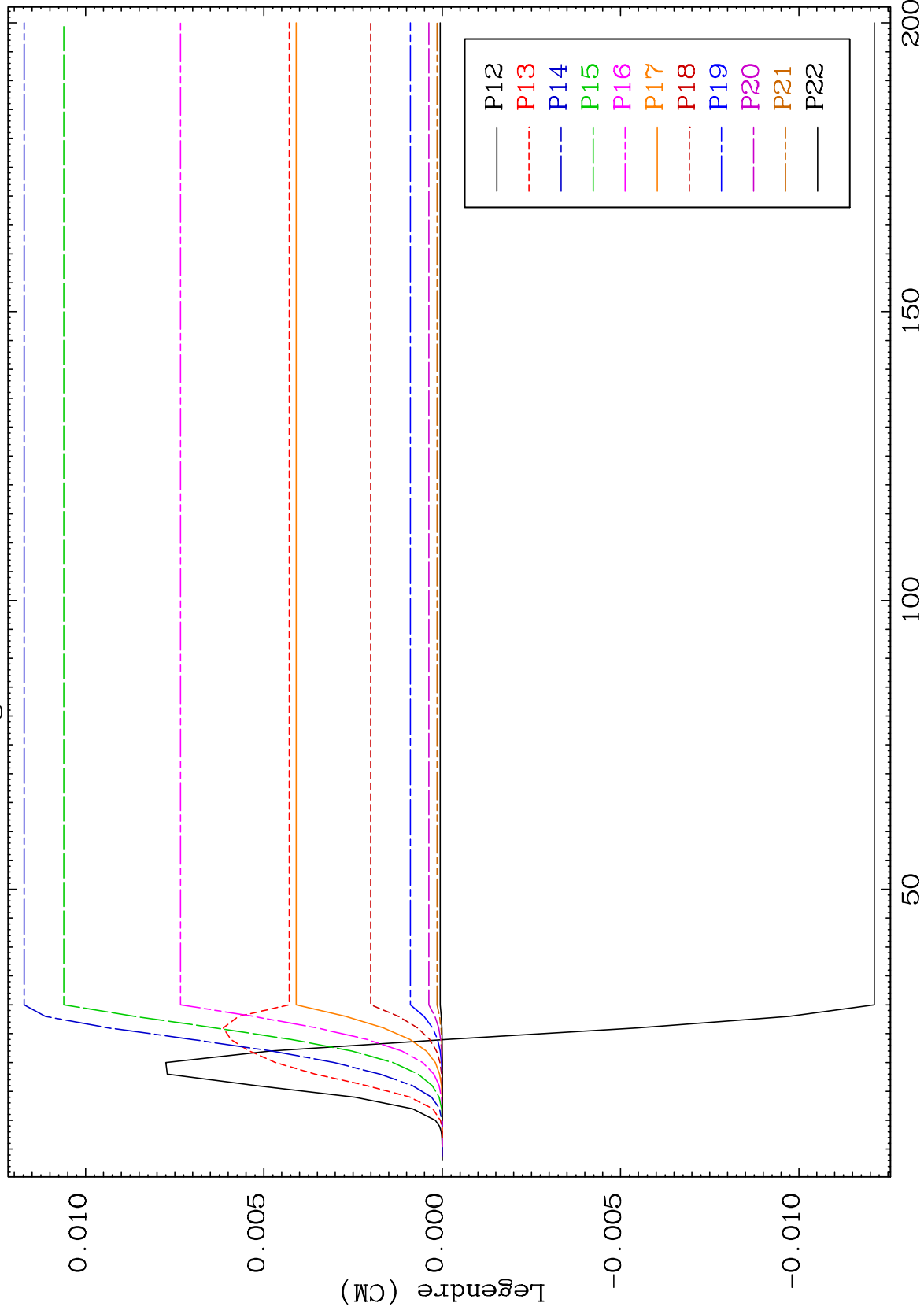




MAT 2743

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

27-Co-65



32

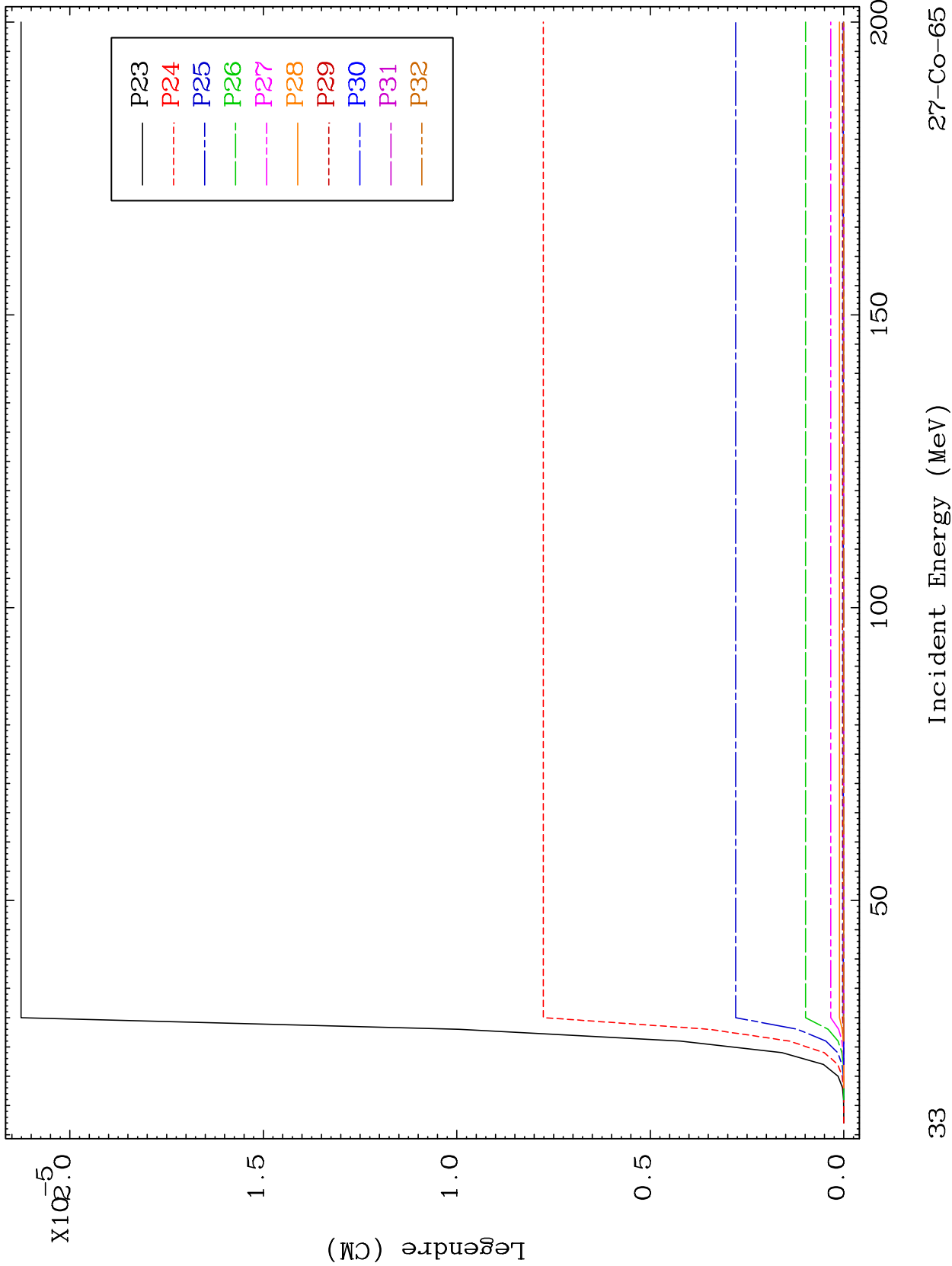
Incident Energy (MeV)

27-Co-65

MAT 2743

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

27-Co-65



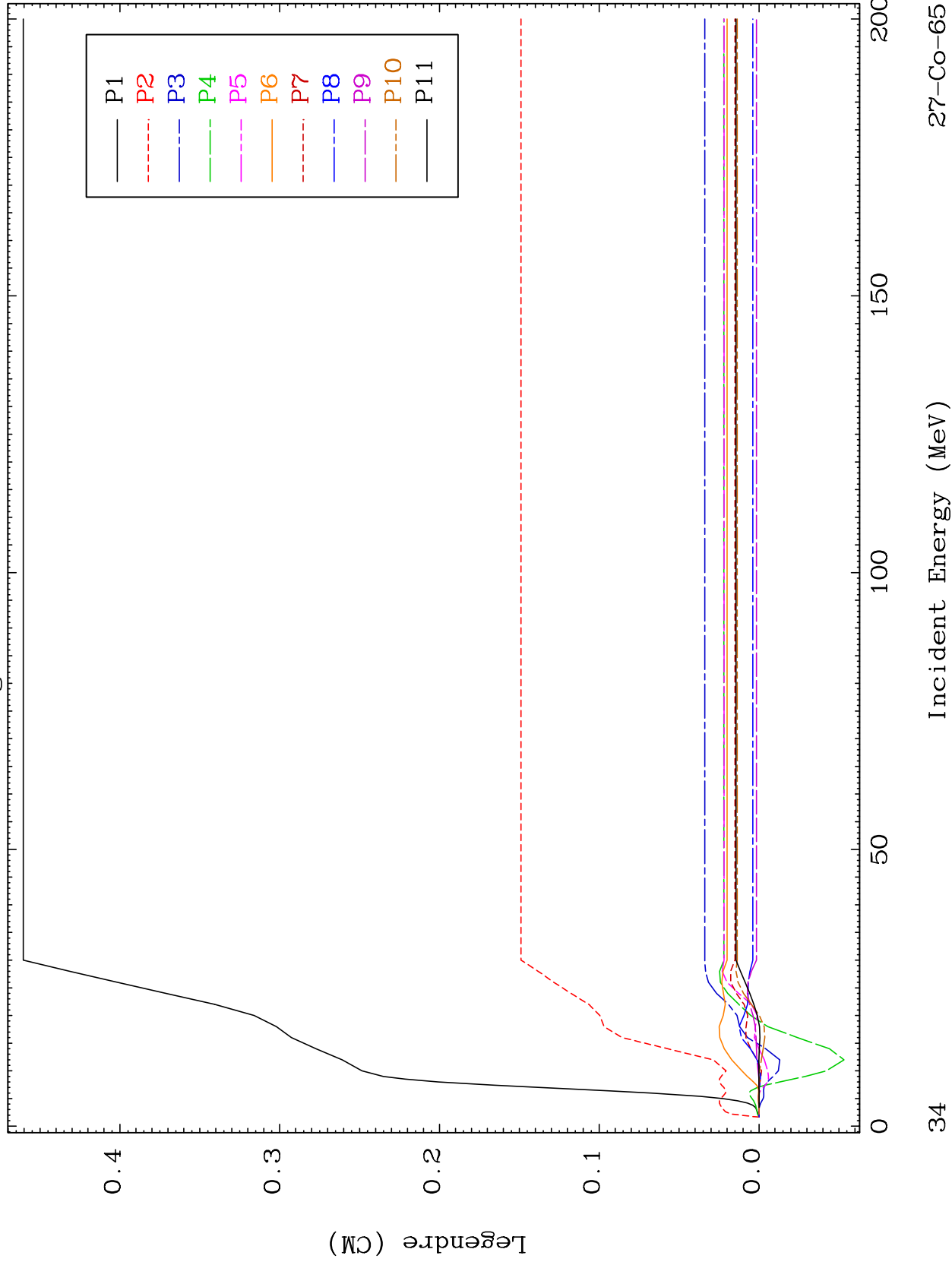
33

27-Co-65

MAT 2743

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

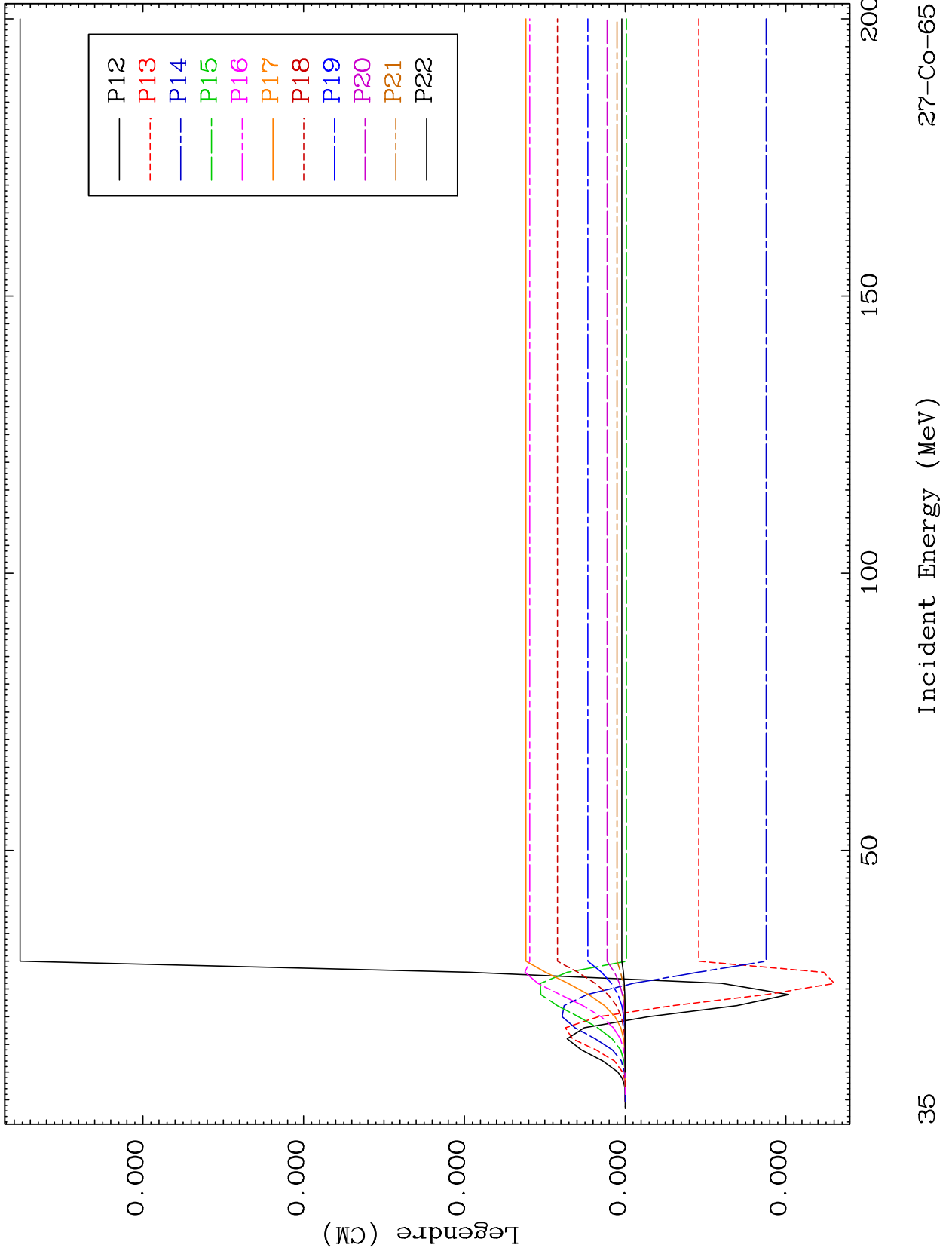
27-Co-65



MAT 2743

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

27-Co-65



35

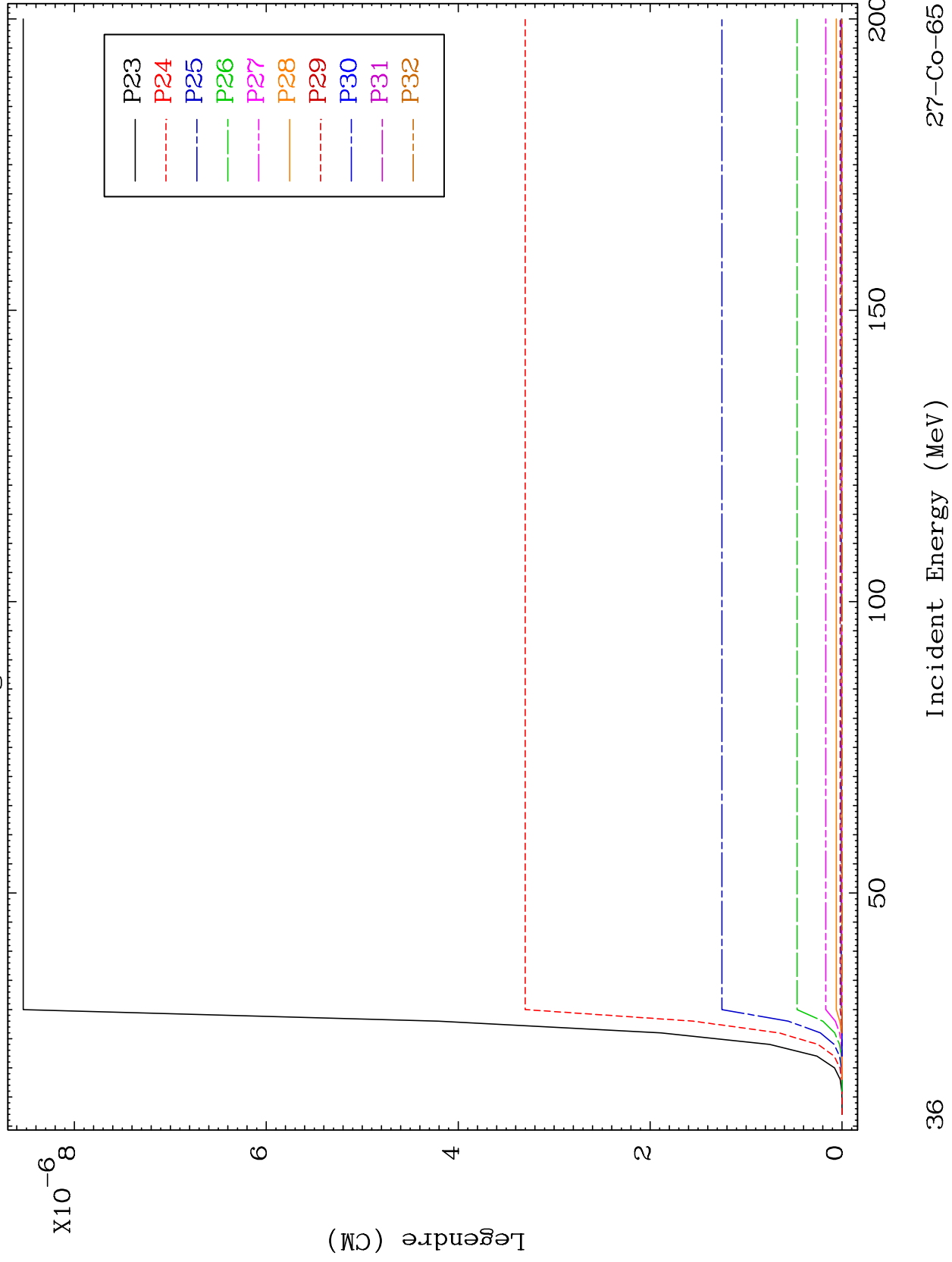
Incident Energy (MeV)

27-Co-65

MAT 2743

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

27-Co-65



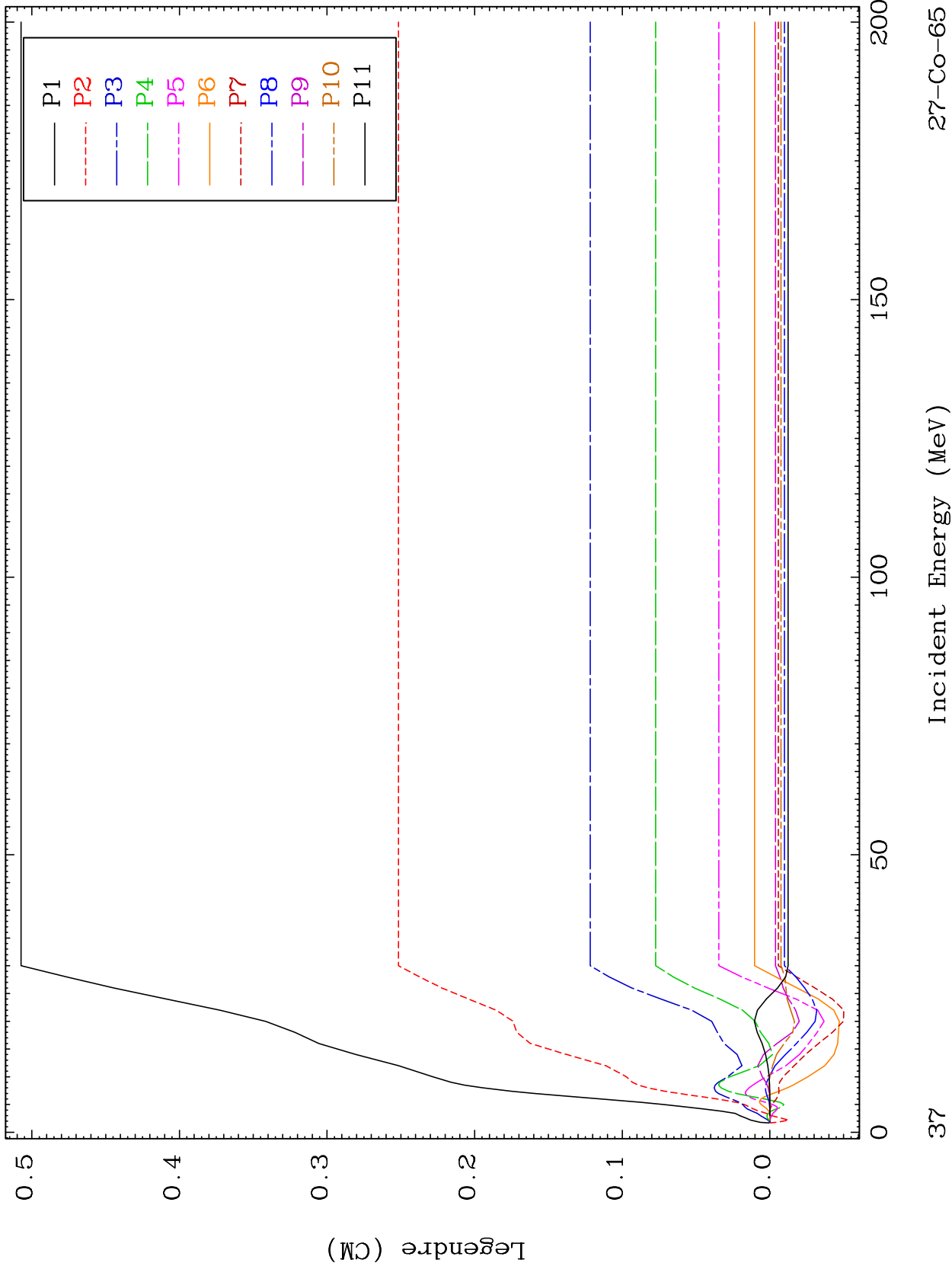
36

27-Co-65

MAT 2743

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

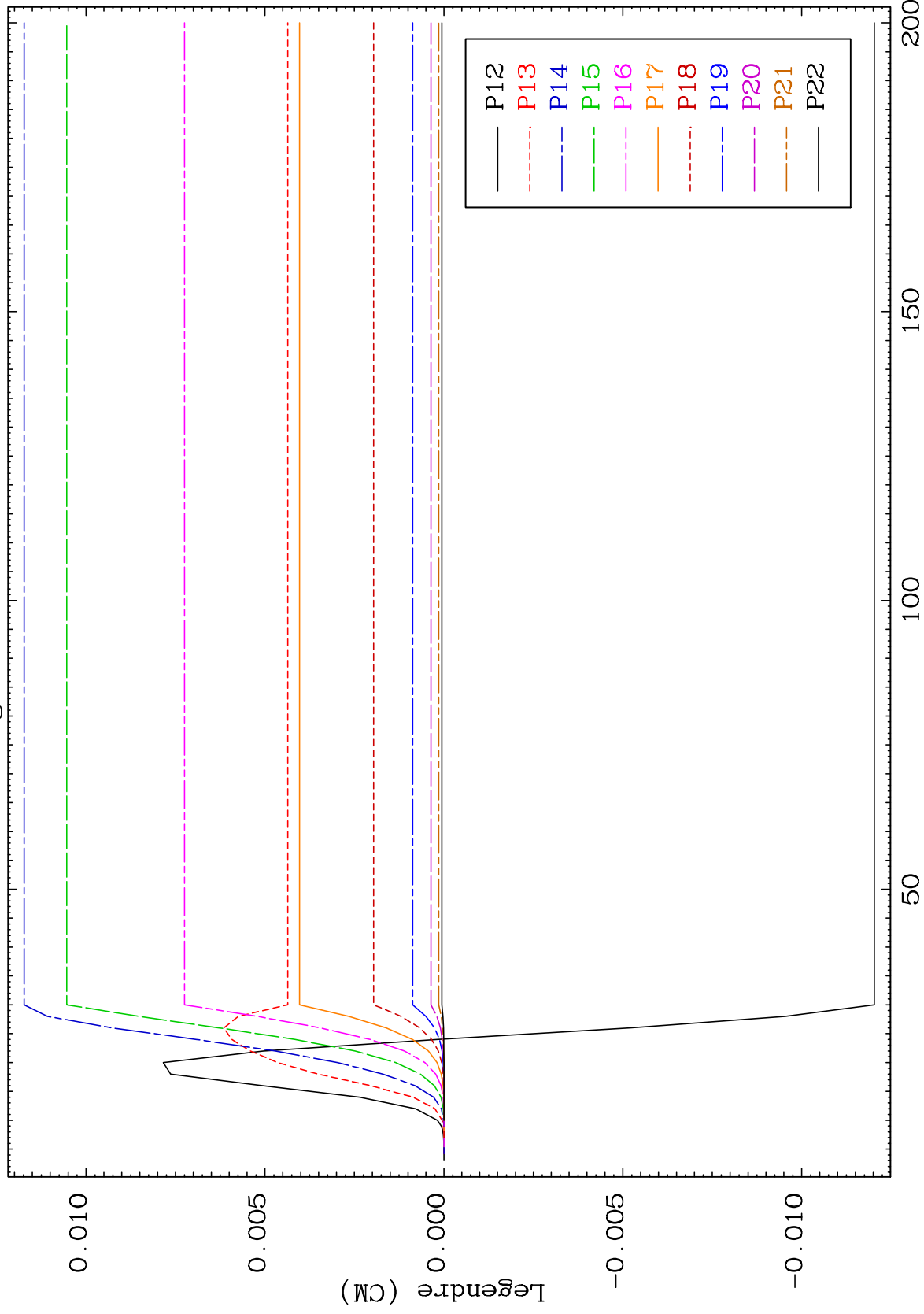
27-Co-65



MAT 2743

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

27-Co-65



38

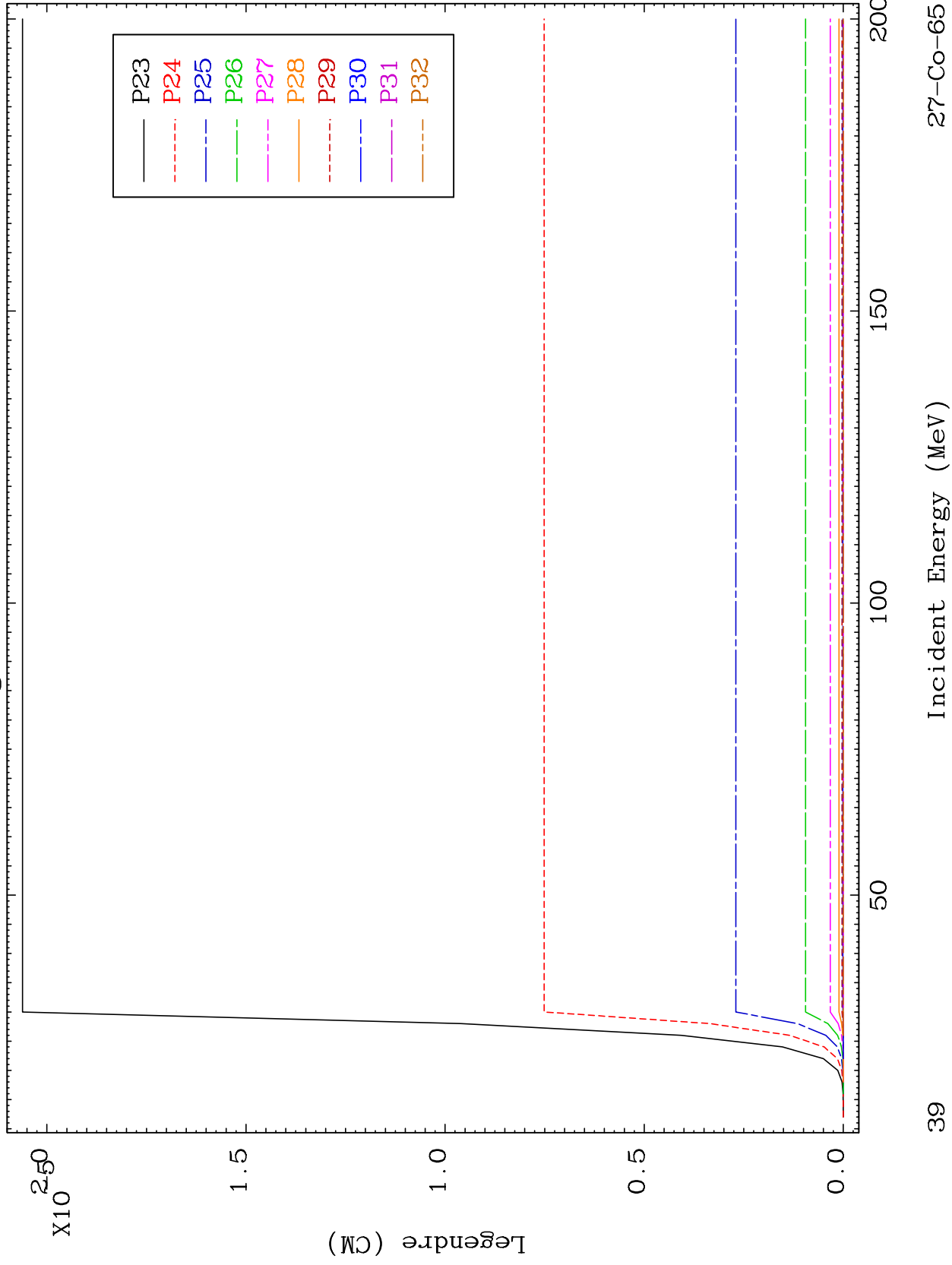
Incident Energy (MeV)

27-Co-65

MAT 2743

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

27-Co-65



39

27-Co-65

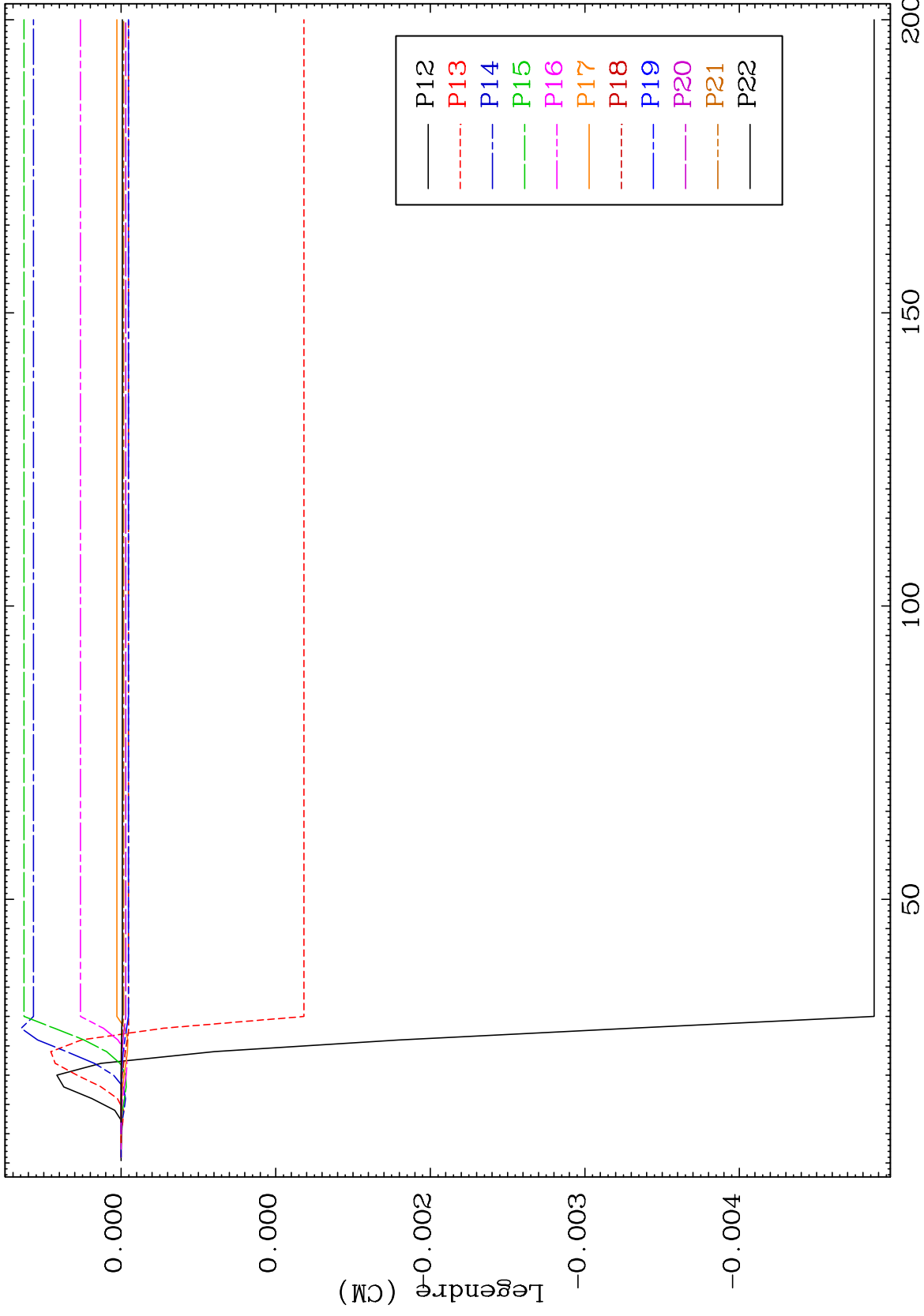


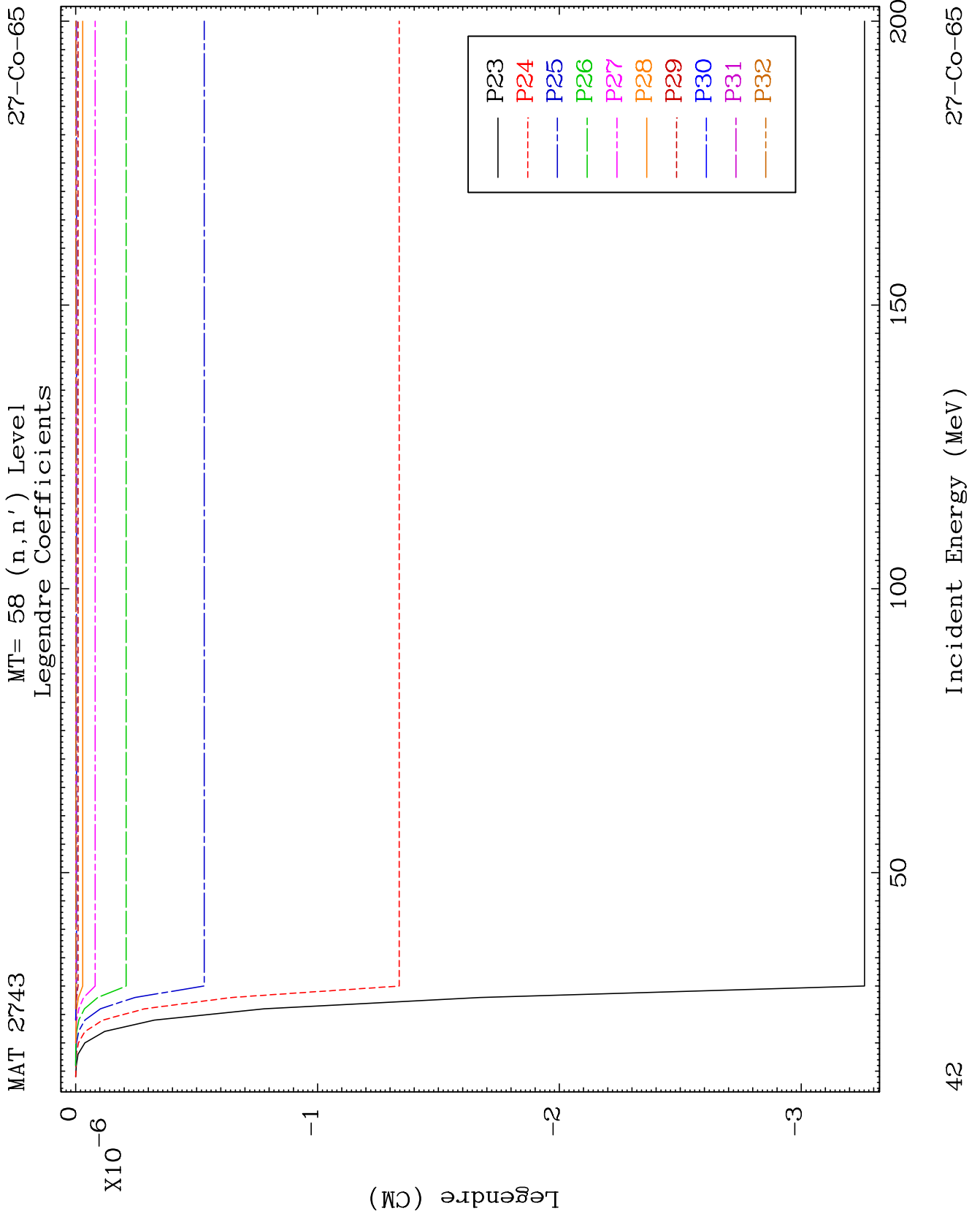


MAT 2743

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

27-Co-65

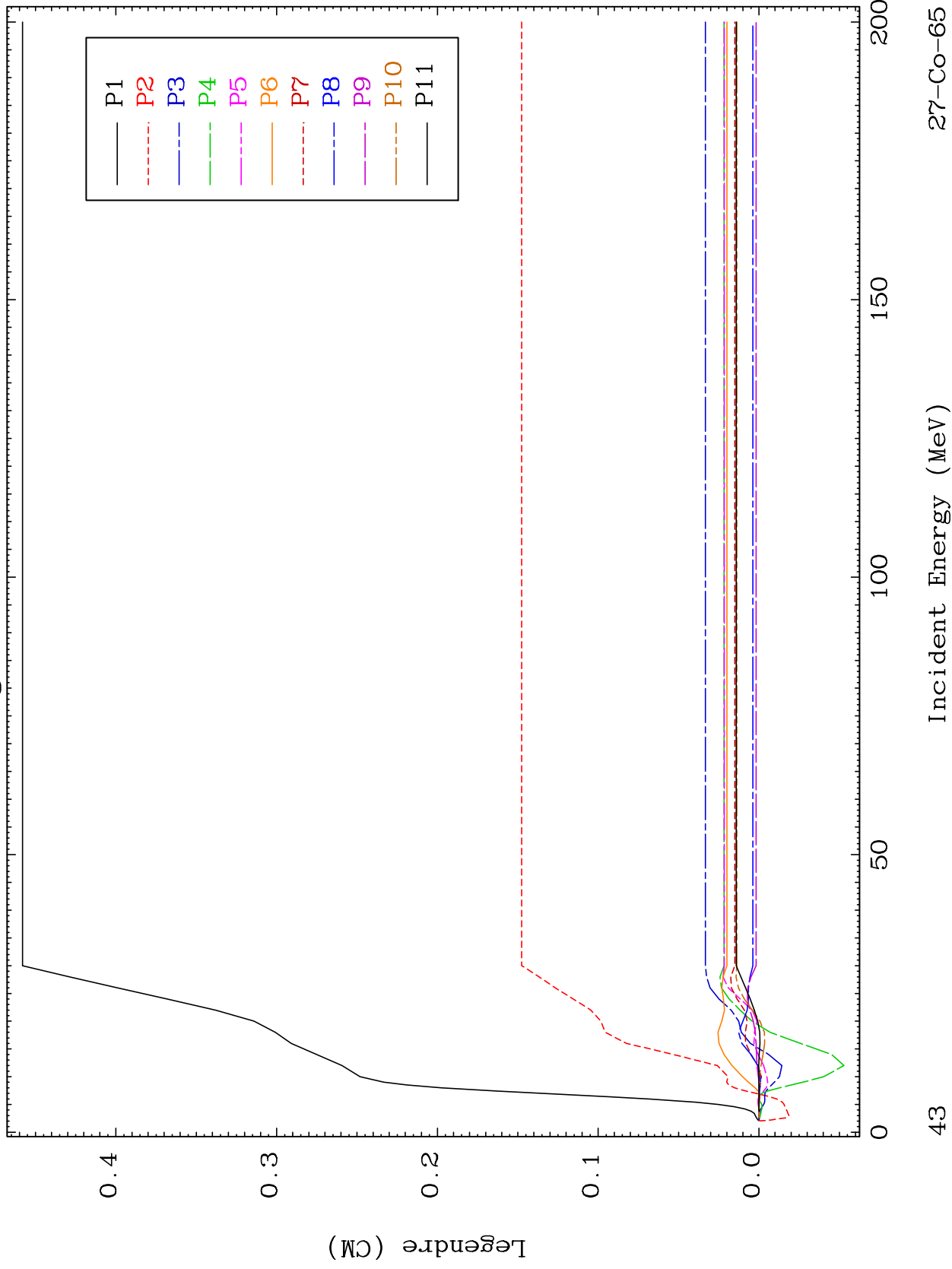




MAT 2743

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

27-Co-65

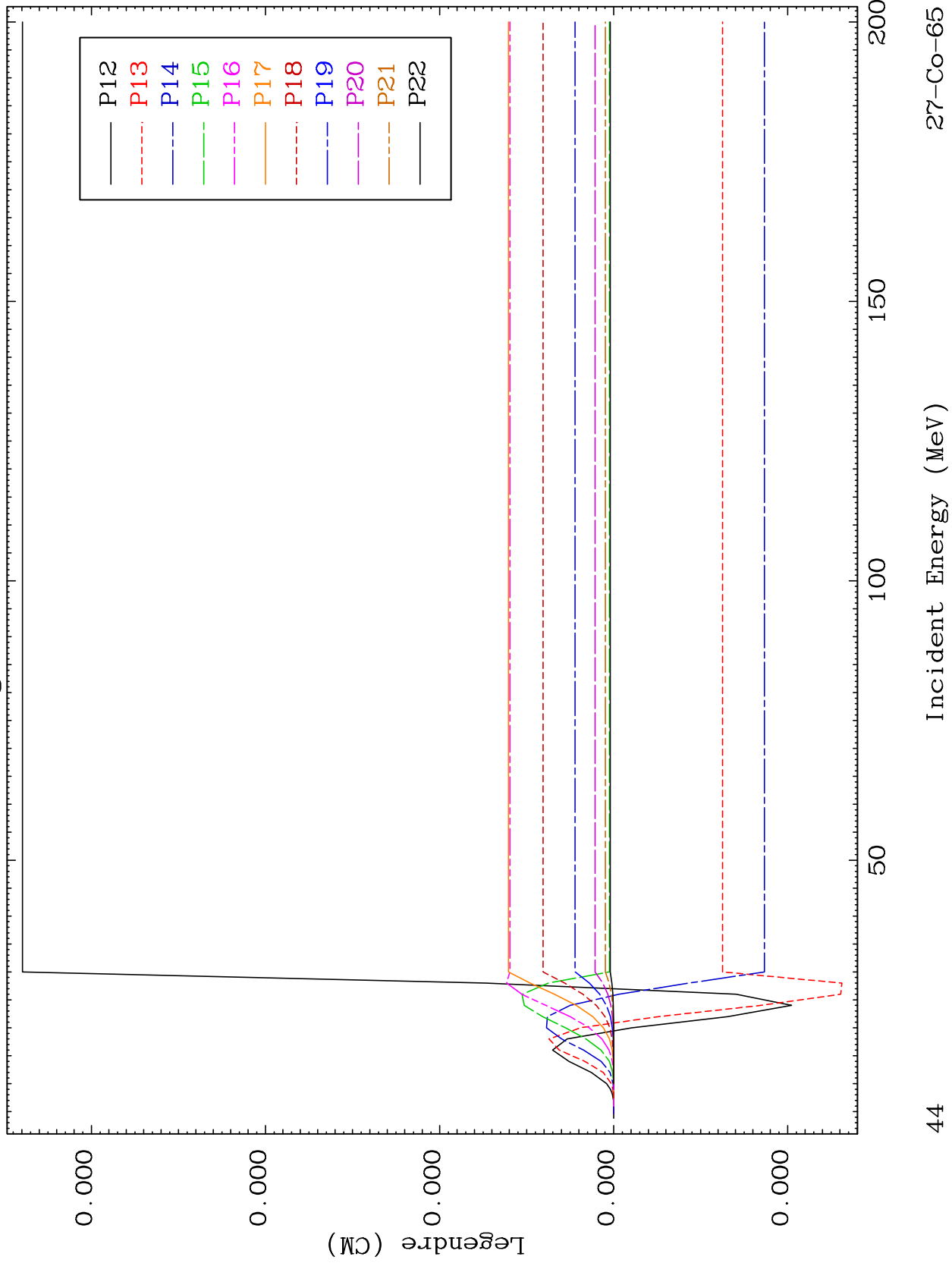


27-Co-65

MAT 2743

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

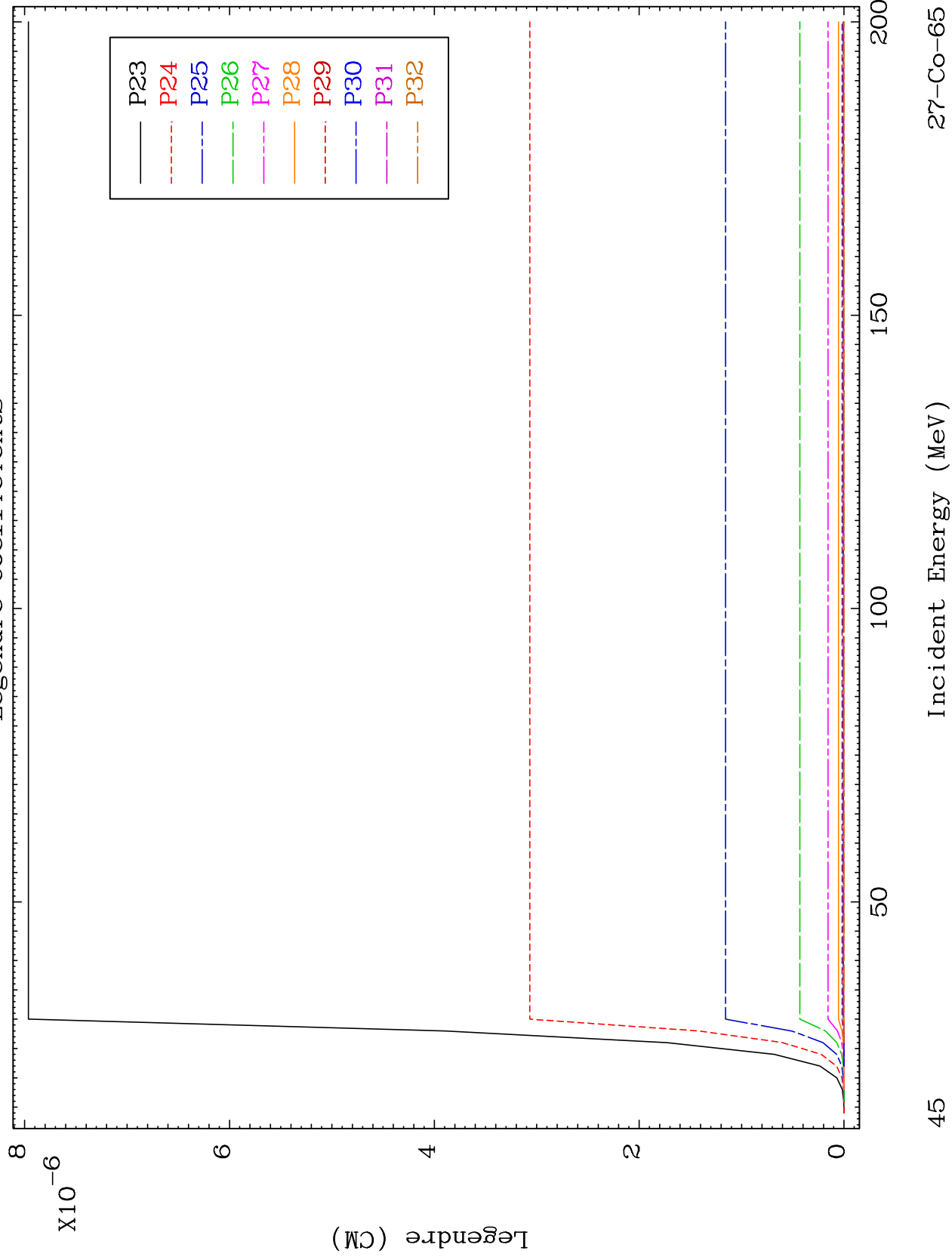
27-Co-65



MAT 2743

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

27-Co-65



45

Incident Energy (MeV)

50

100

150

200

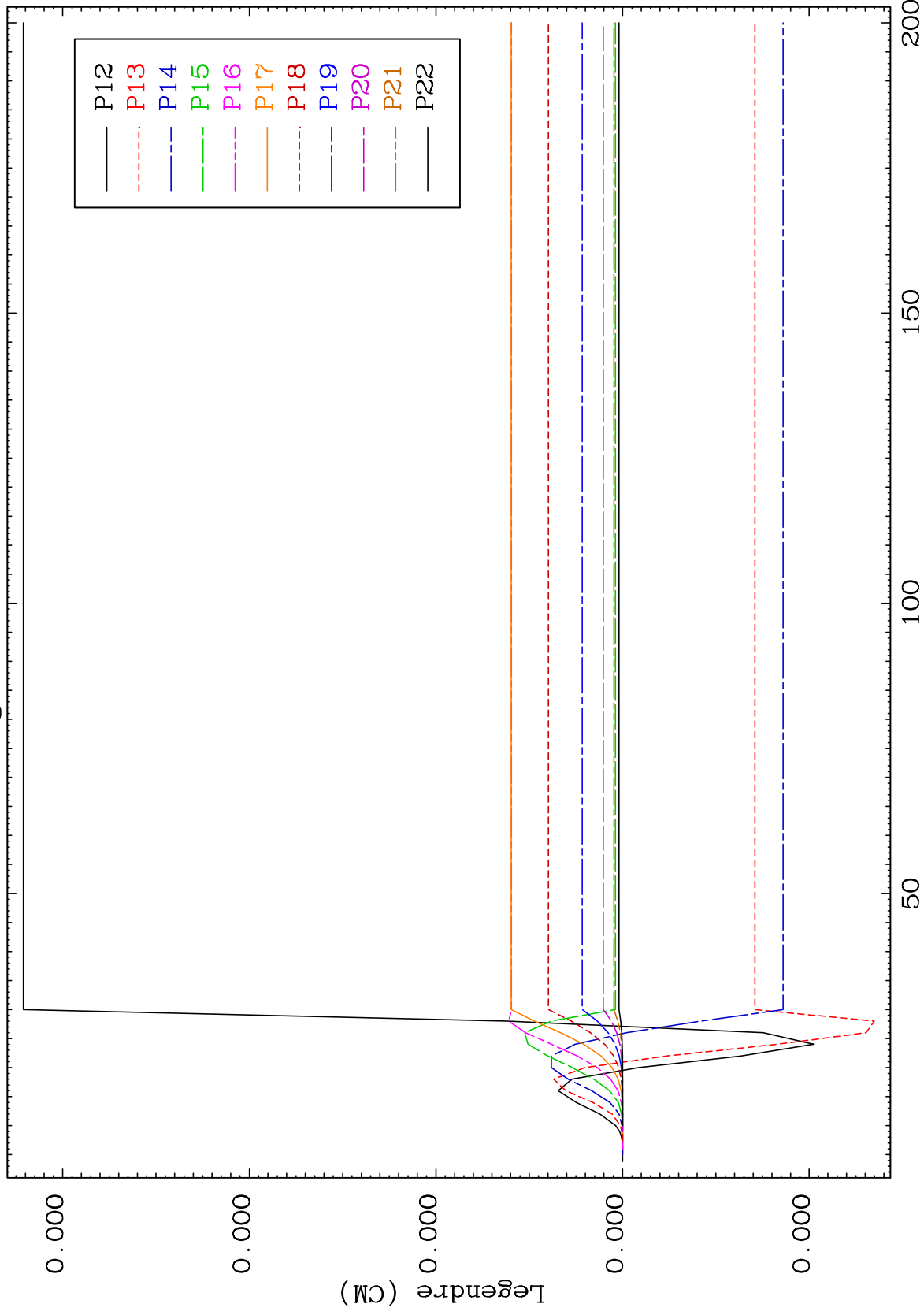
27-Co-65



MAT 2743

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

27-Co-65



47

Incident Energy (MeV)

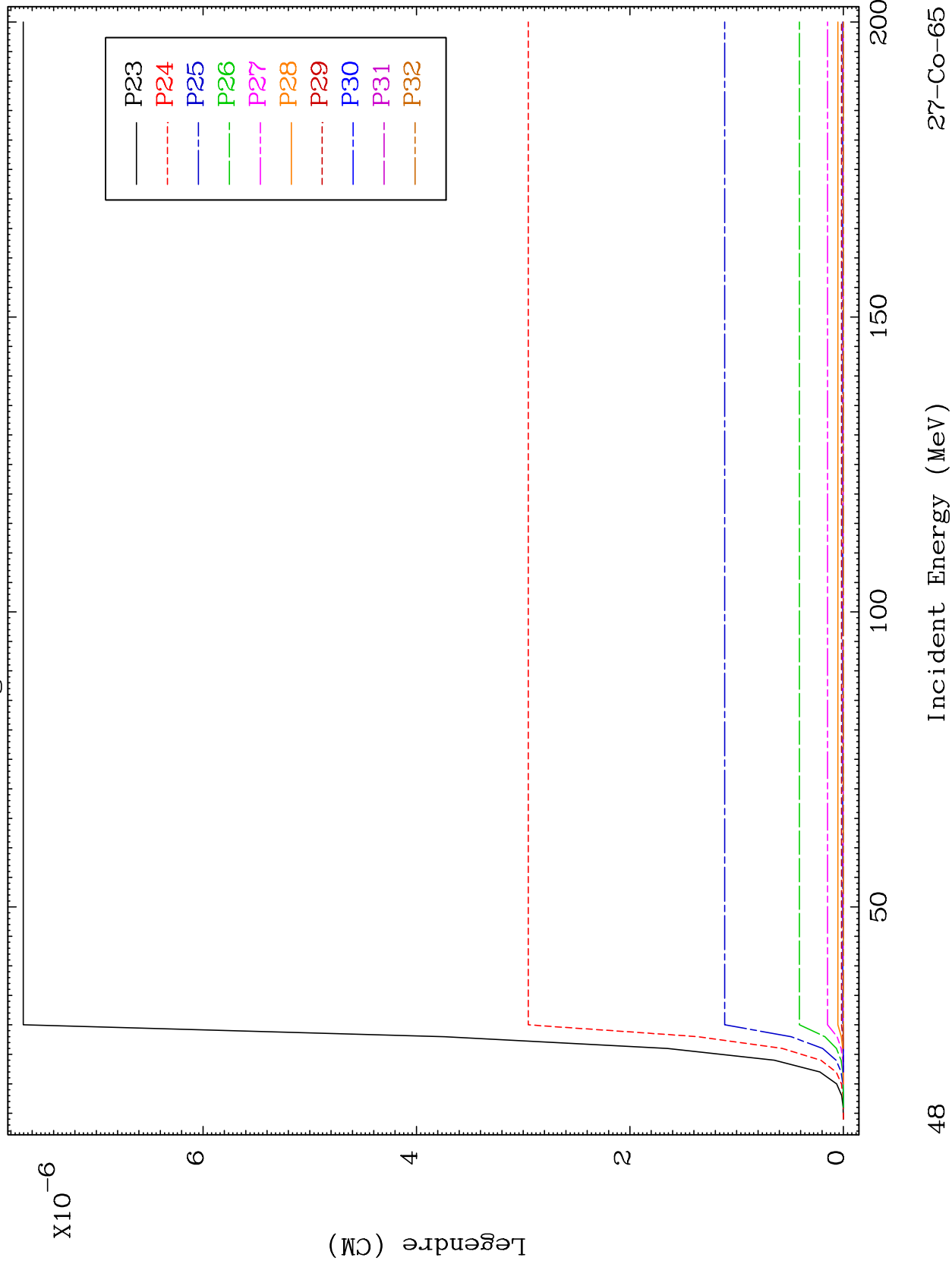
27-Co-65



MAT 2743

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

27-Co-65



48

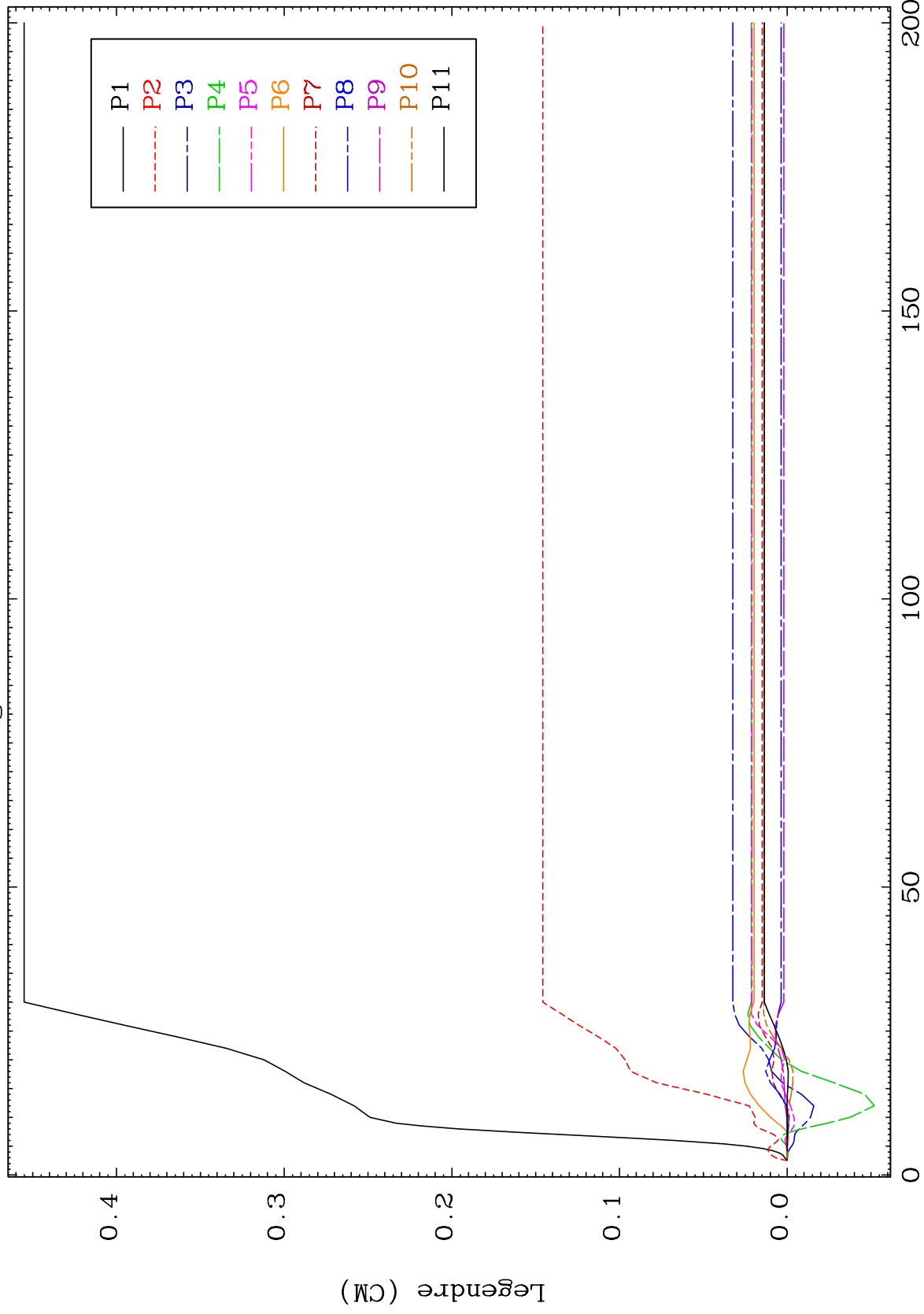
Incident Energy (MeV)

27-Co-65

MAT 2743

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

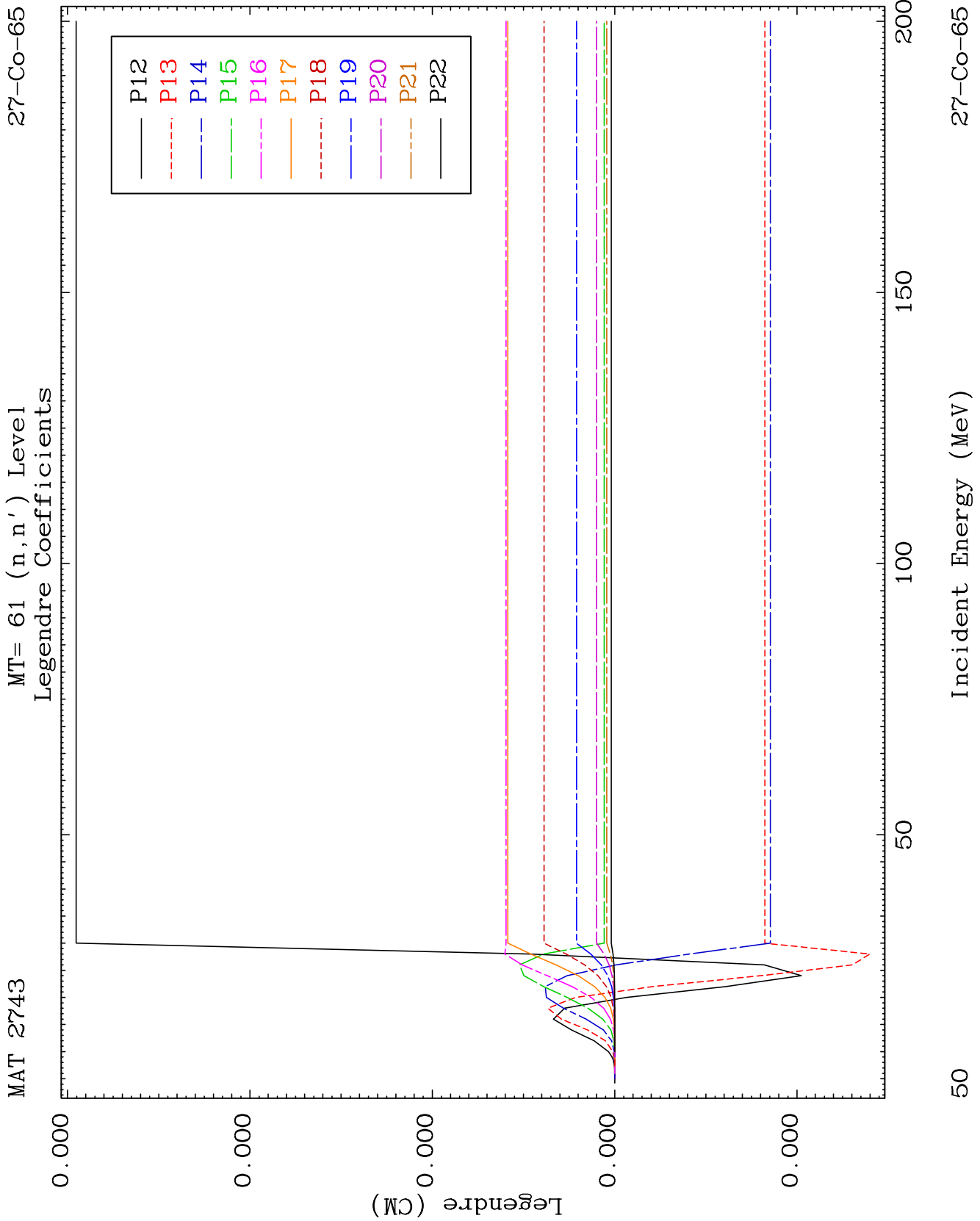
27-Co-65



49

Incident Energy (MeV)

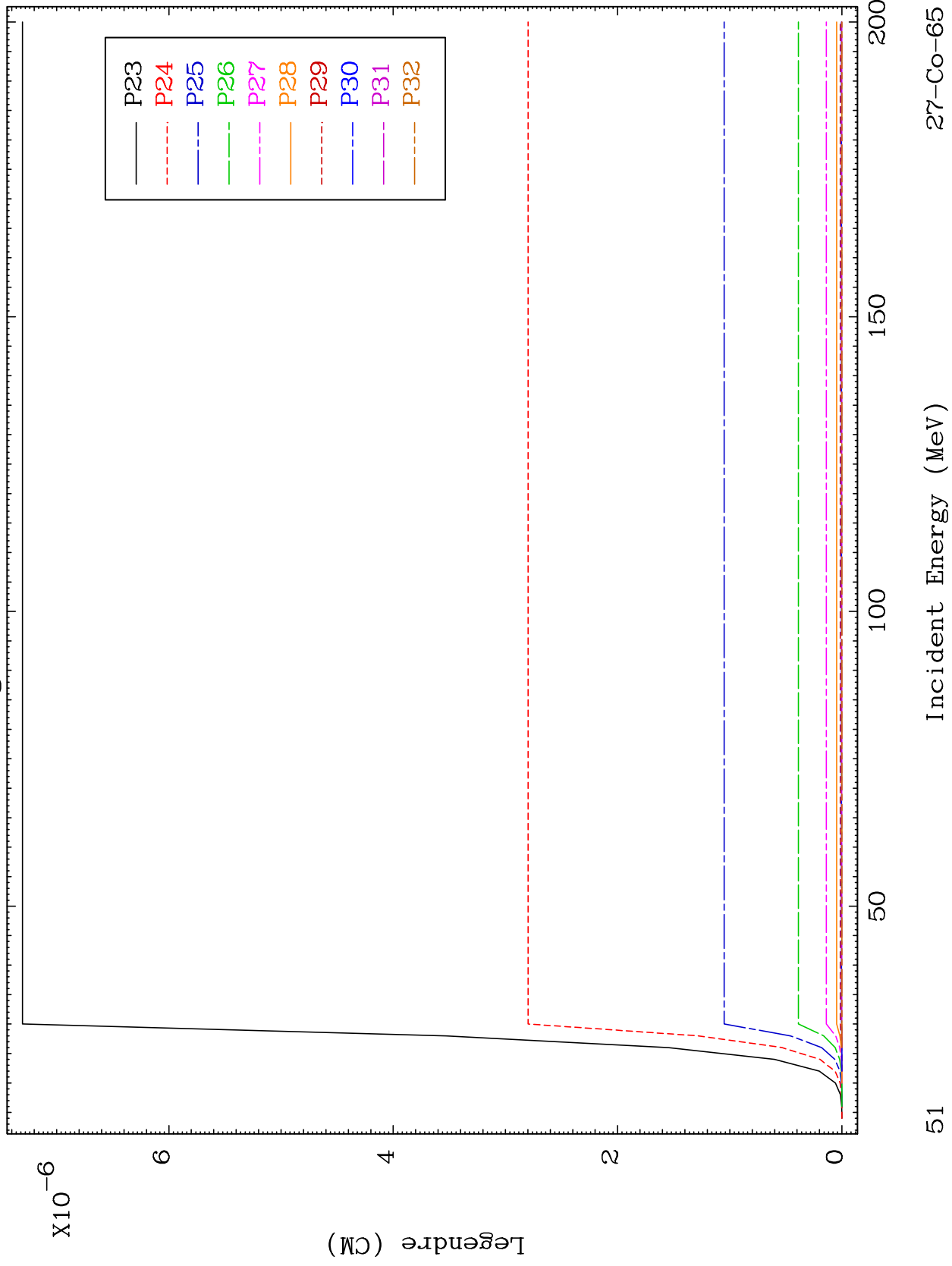
27-Co-65



MAT 2743

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

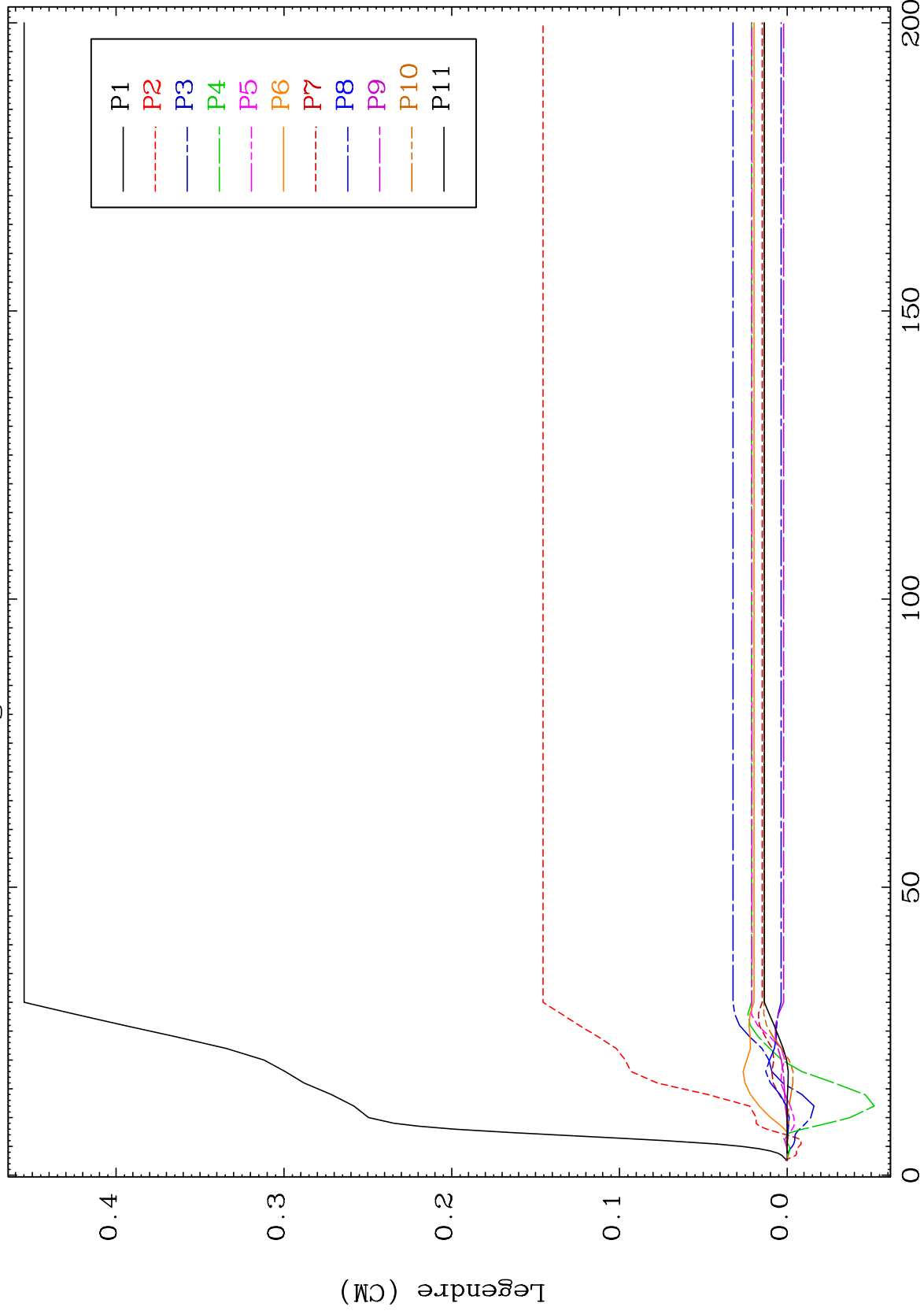
27-Co-65



MAT 2743

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

27-Co-65



52

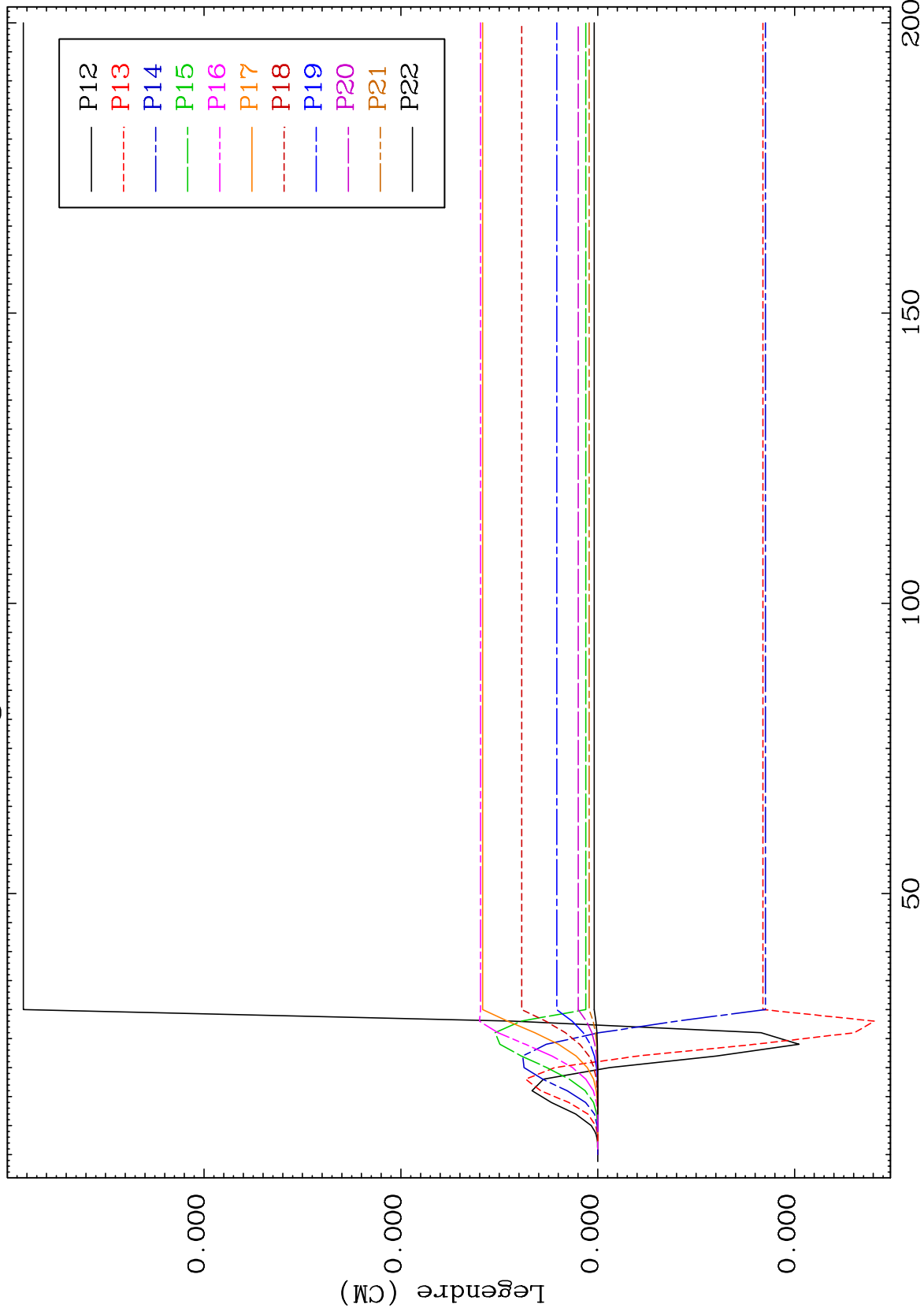
Incident Energy (MeV)

27-Co-65

MAT 2743

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

27-Co-65



53

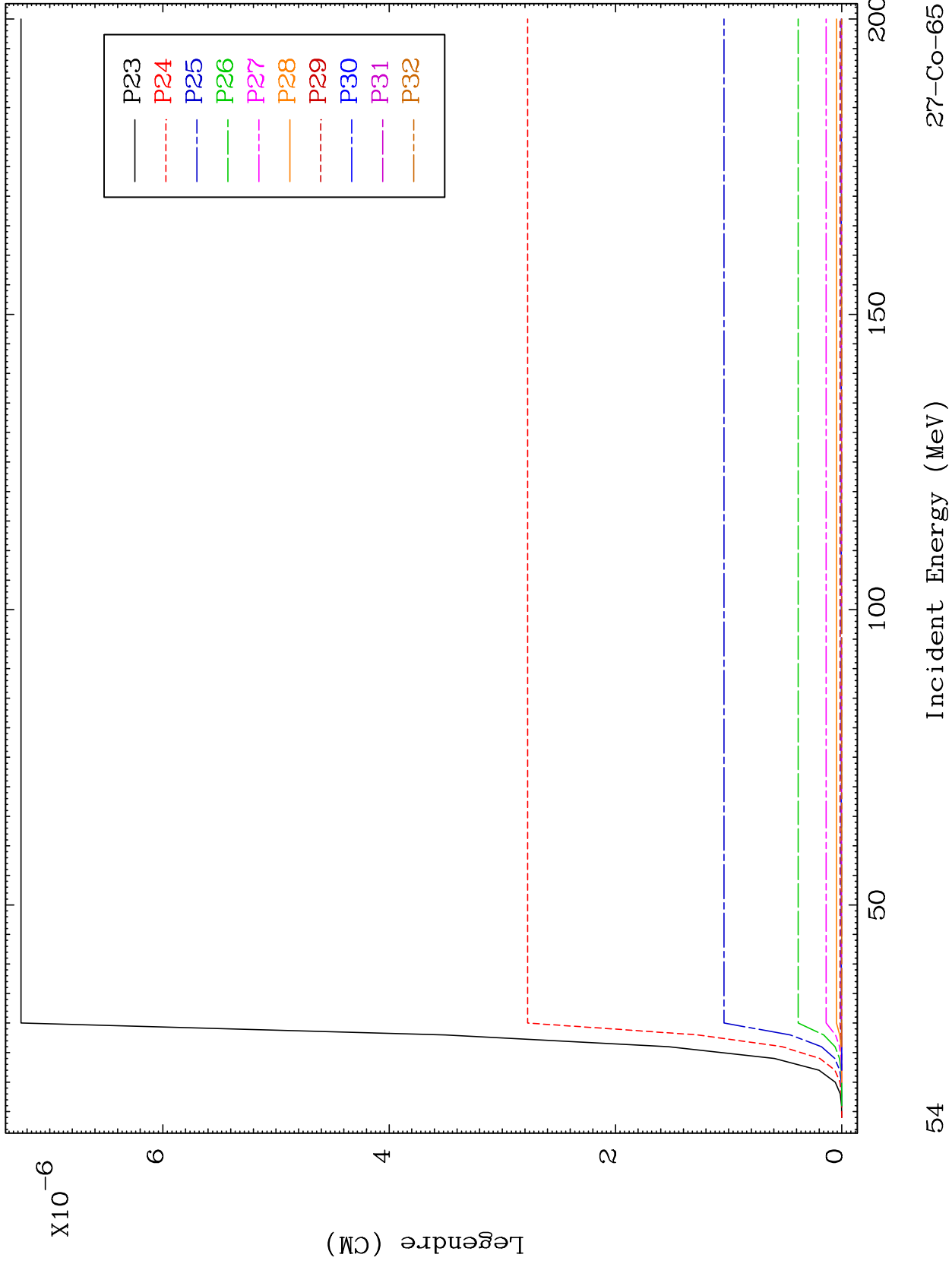
Incident Energy (MeV)

27-Co-65

MAT 2743

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

27-Co-65



54

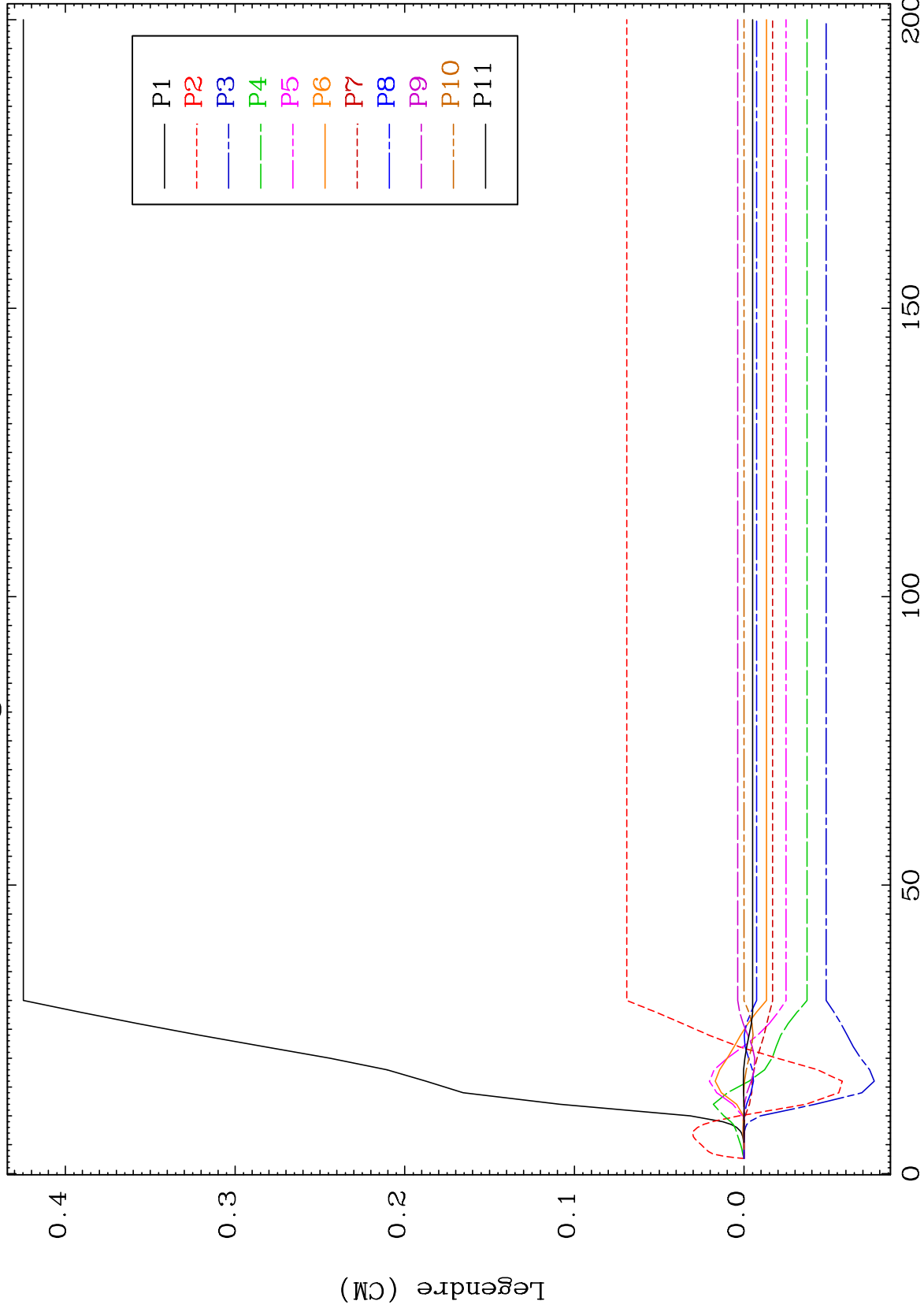
Incident Energy (MeV)

27-Co-65

MAT 2743

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

27-Co-65



55

Incident Energy (MeV)

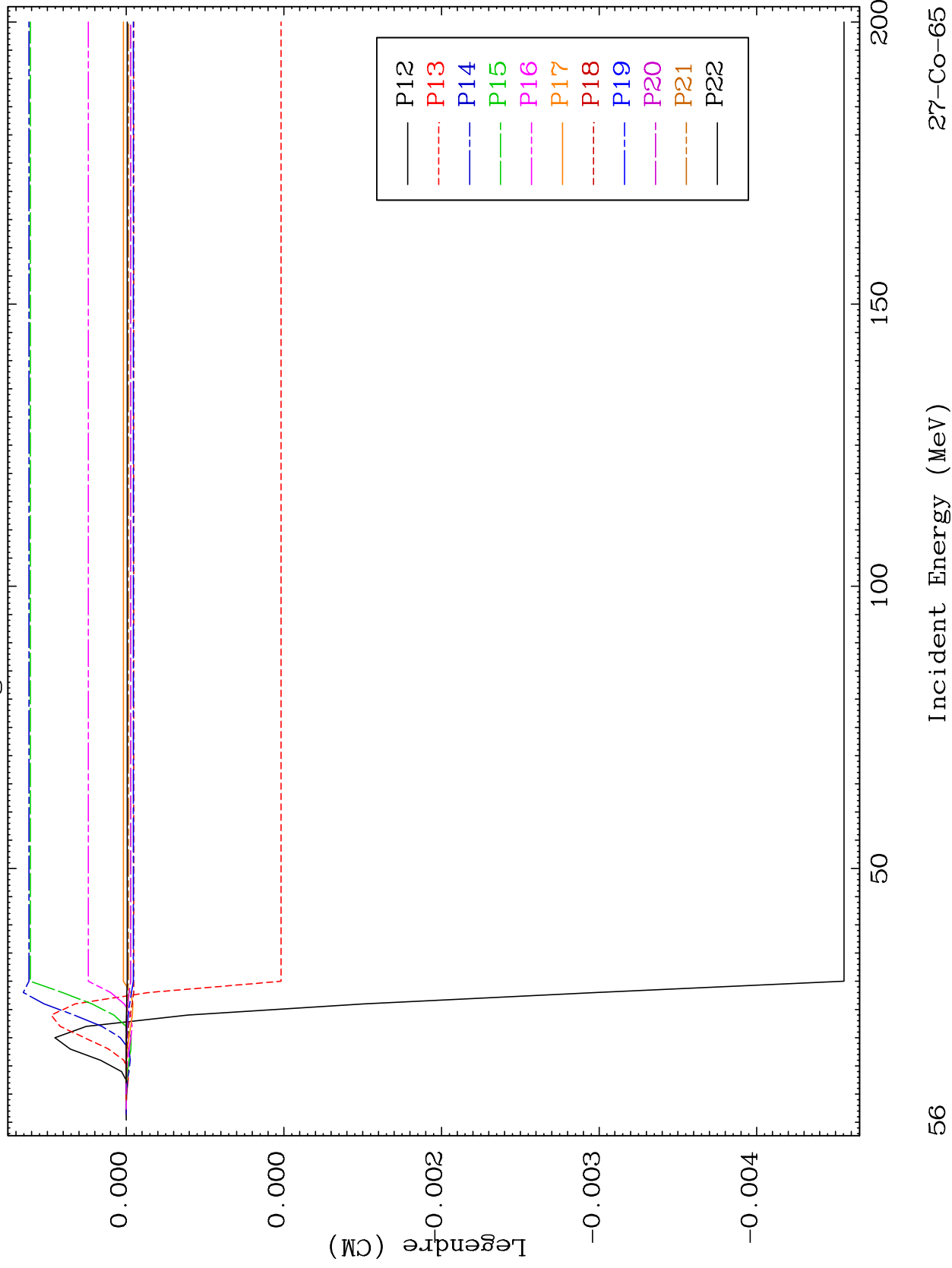
27-Co-65



MAT 2743

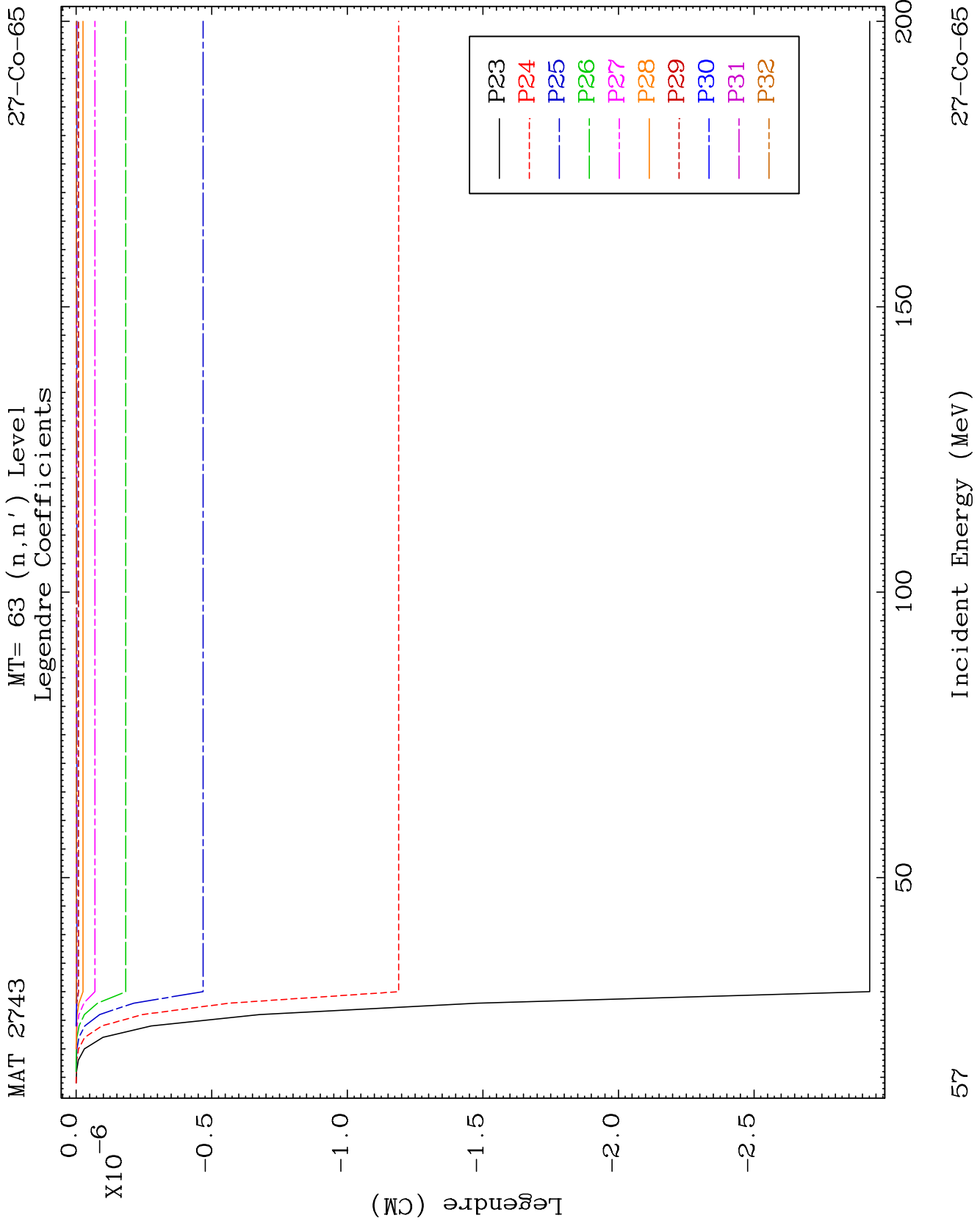
27-Co-65

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



56

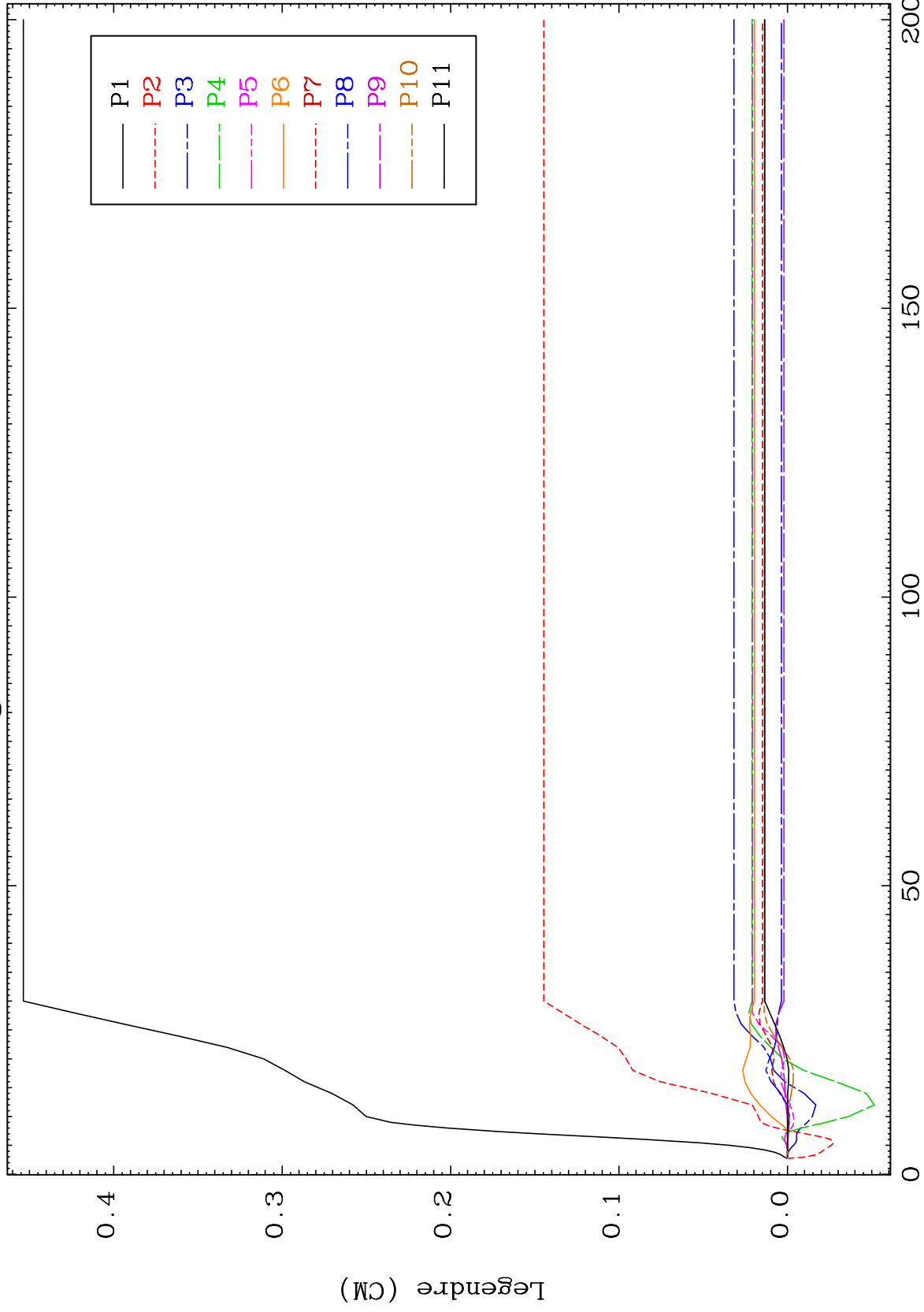
27-Co-65



MAT 2743

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

27-Co-65



58

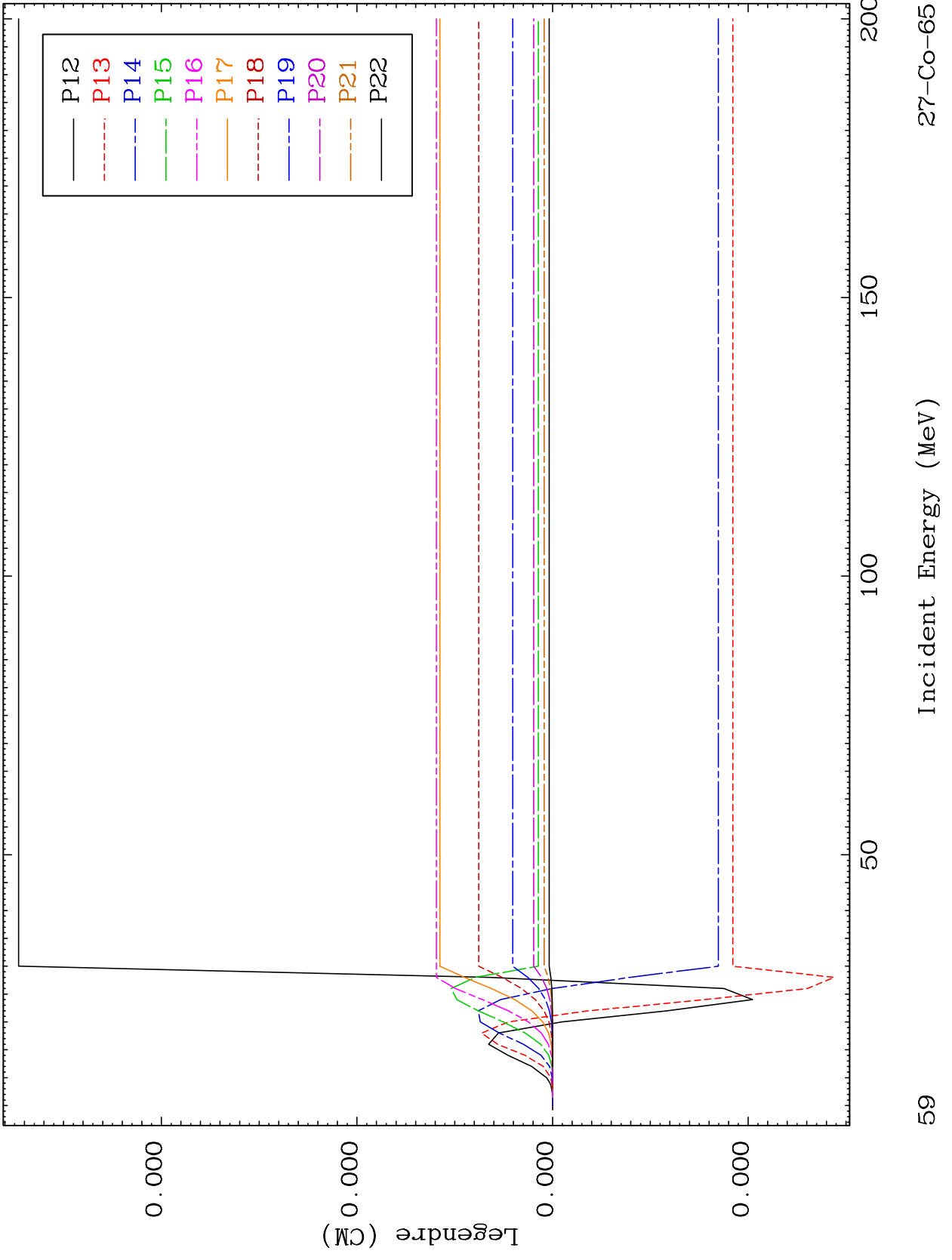
Incident Energy (MeV)

27-Co-65

MAT 2743

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

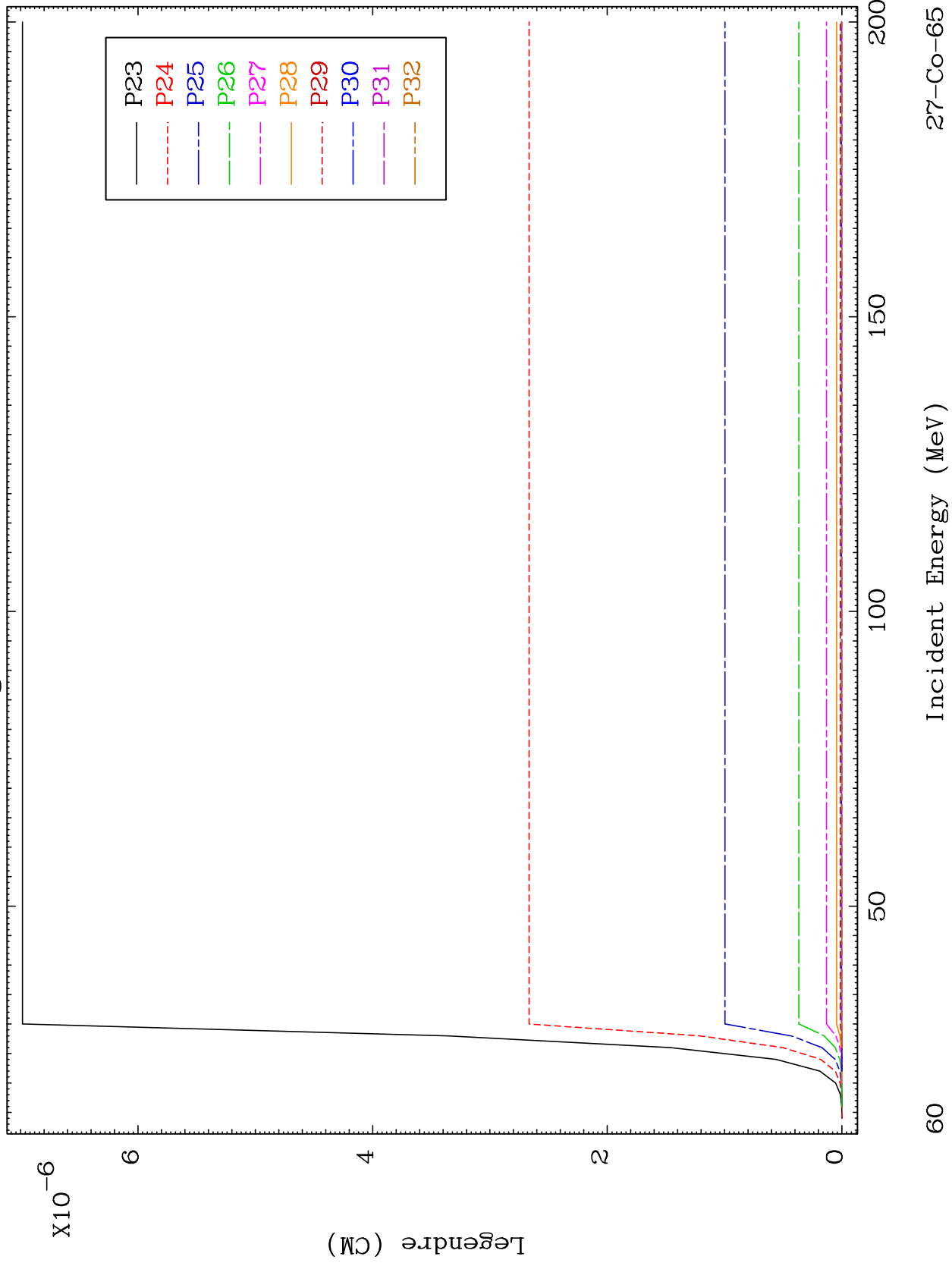
27-Co-65

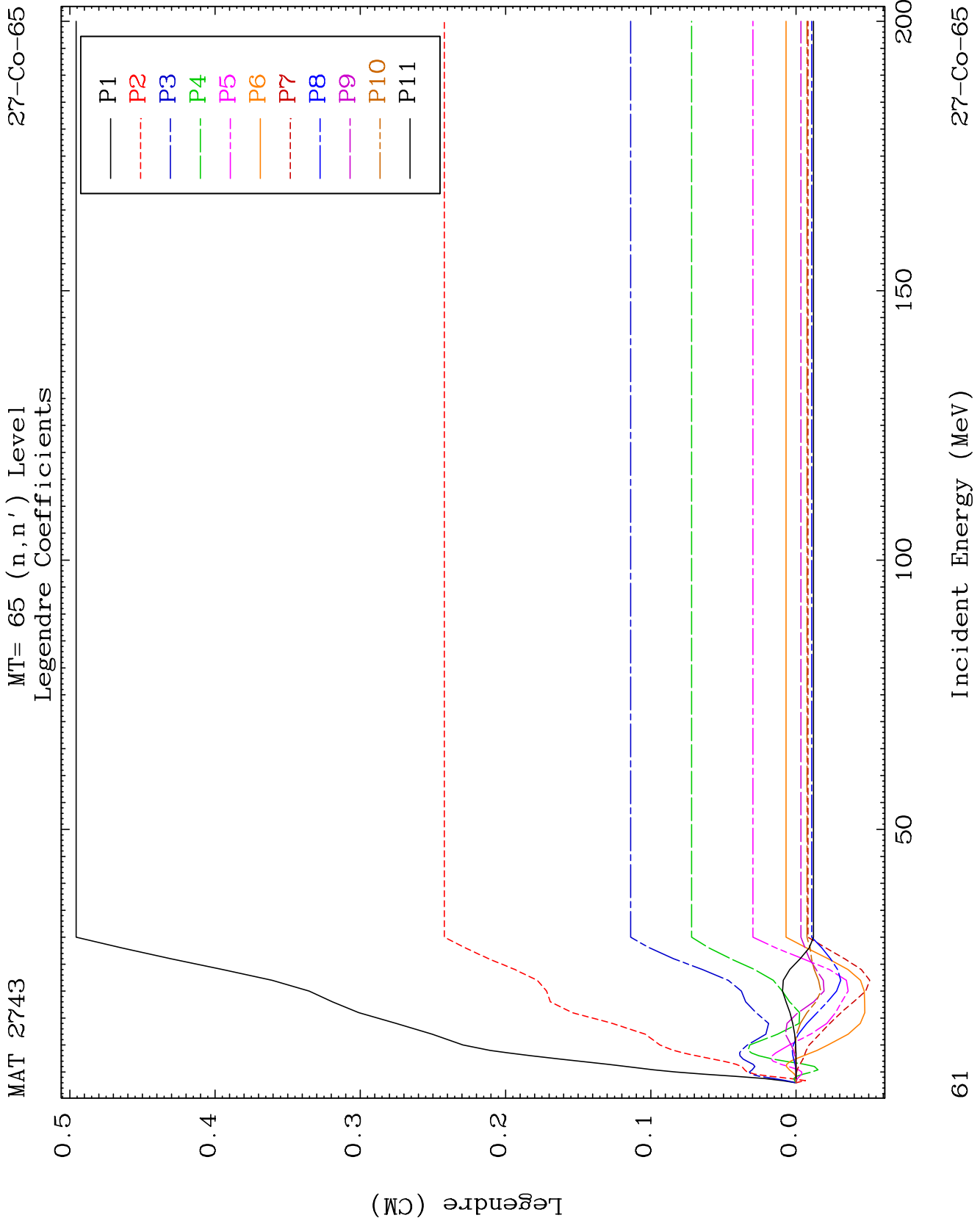


MAT 2743

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

27-Co-65

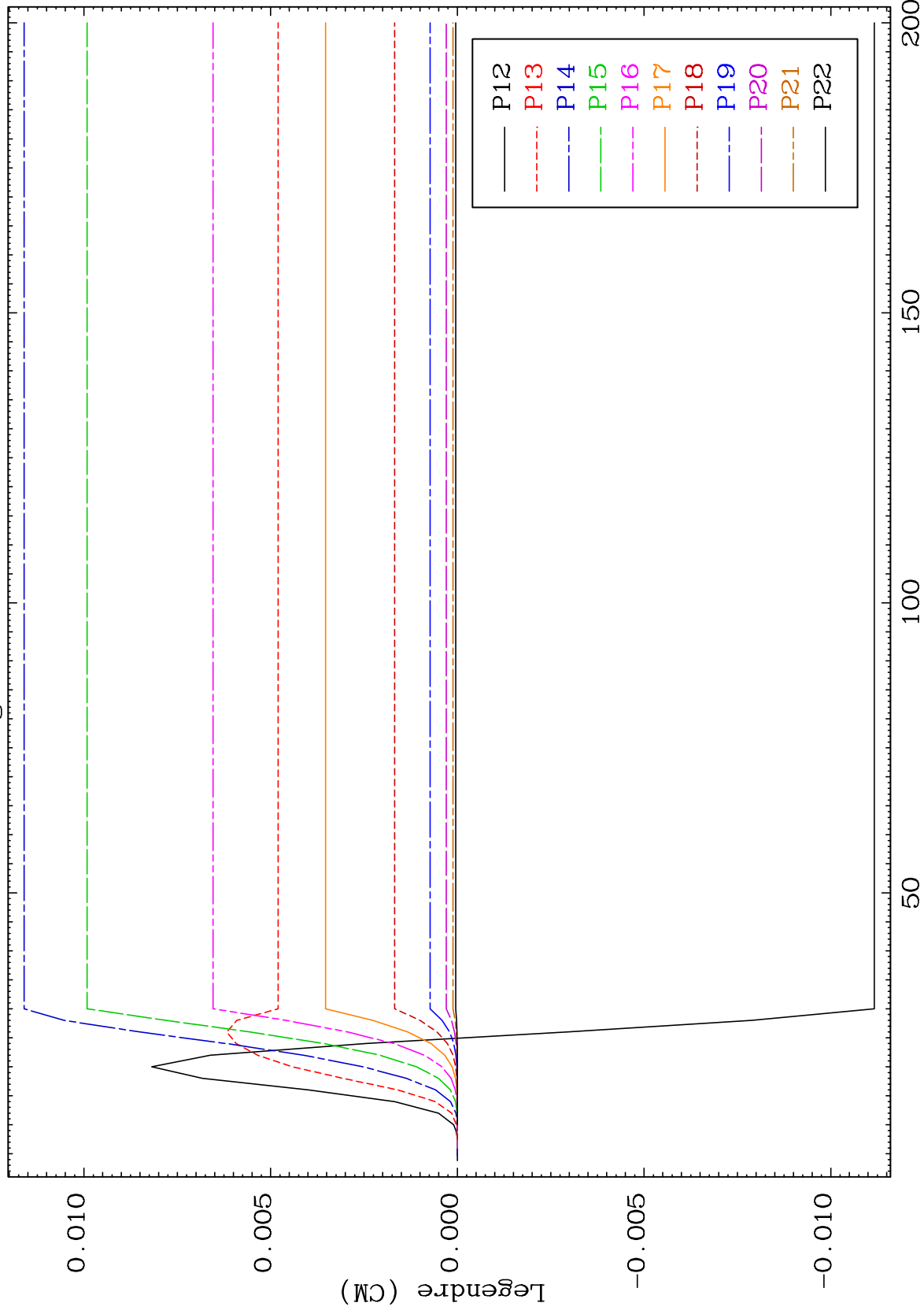




MAT 2743

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

27-Co-65



62

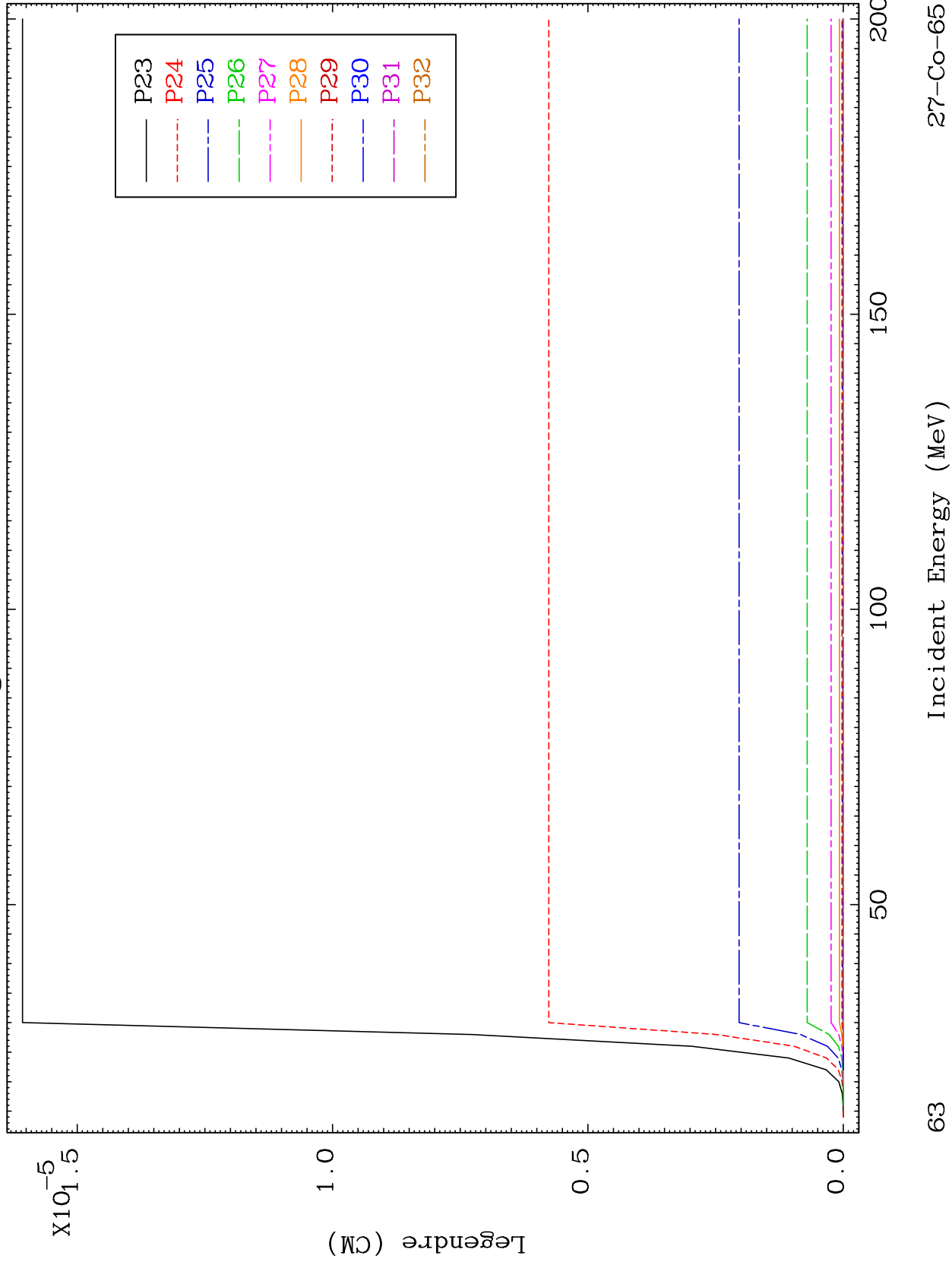
Incident Energy (MeV)

27-Co-65

MAT 2743

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

27-Co-65

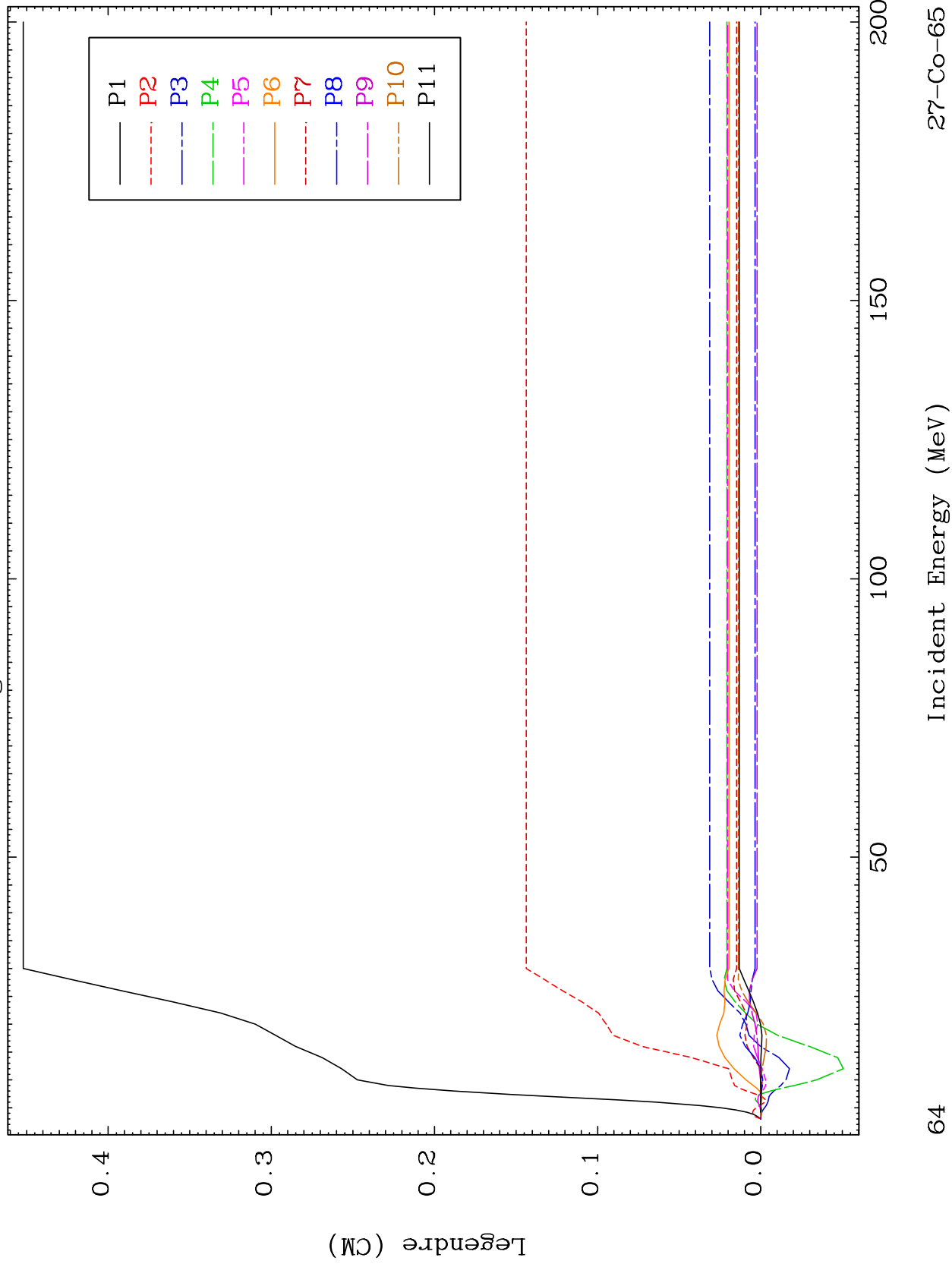




MAT 2743

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

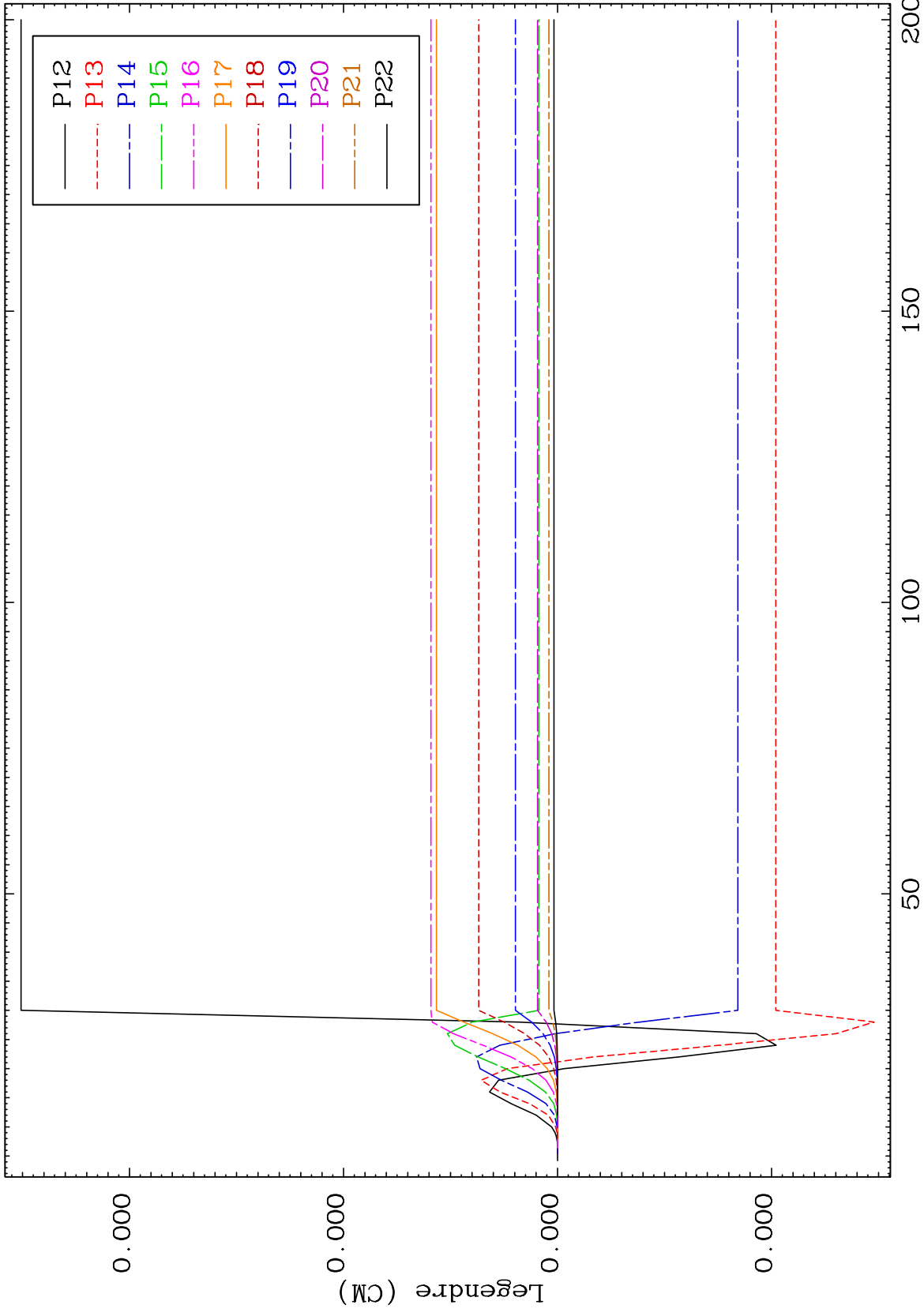
27-Co-65



MAT 2743

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

27-Co-65



65

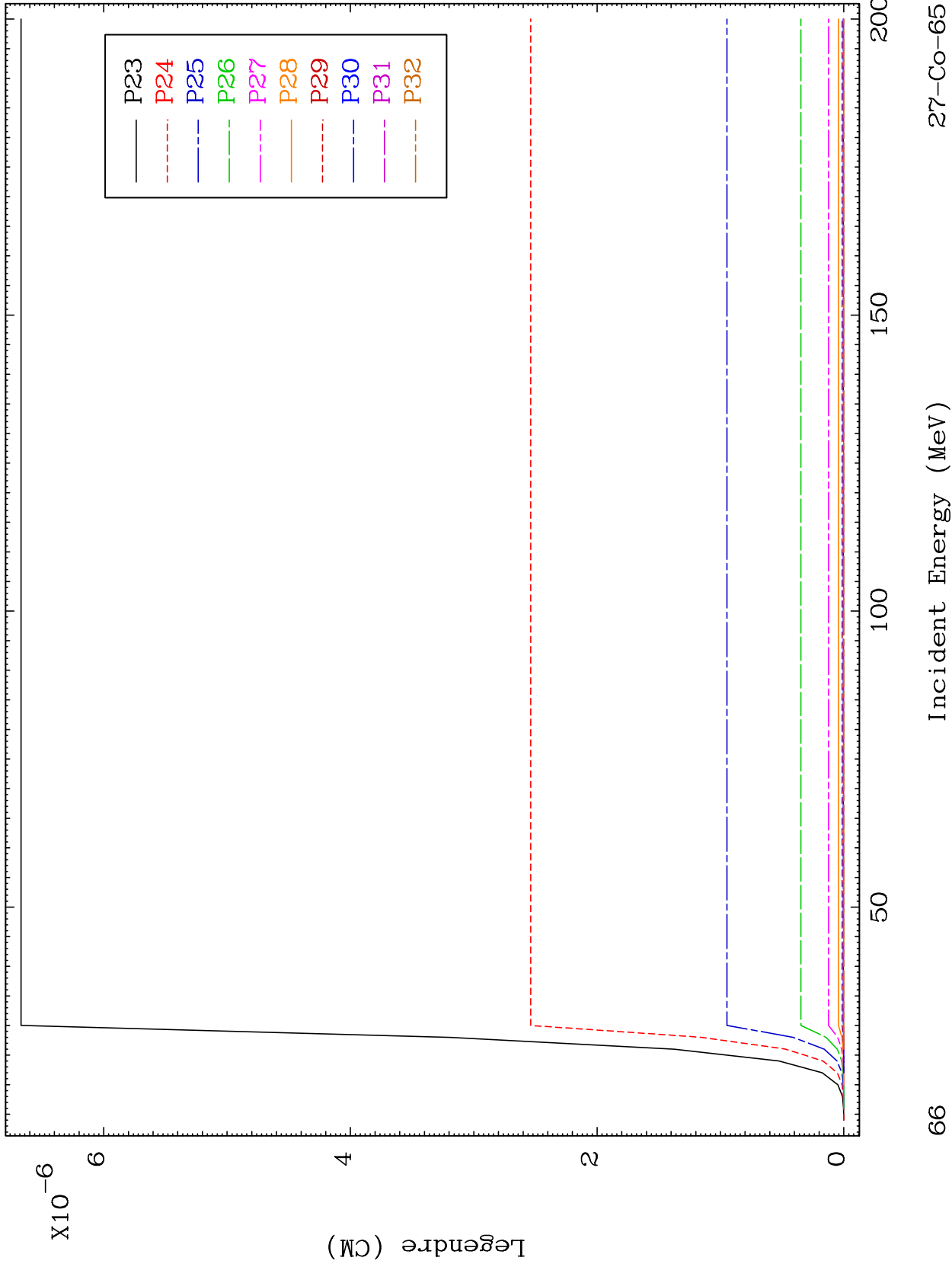
Incident Energy (MeV)

27-Co-65

MAT 2743

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

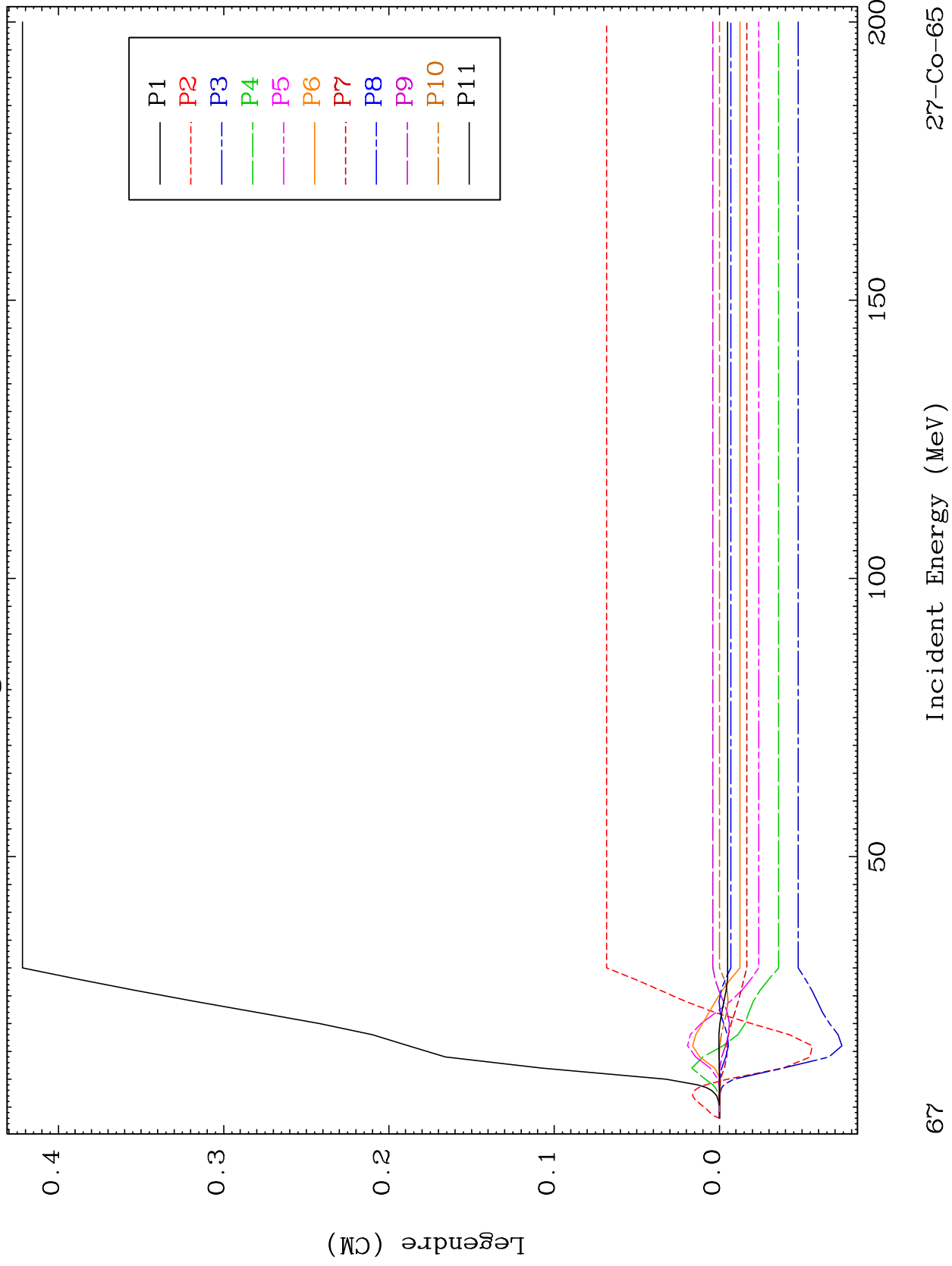
27-Co-65



MAT 2743

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

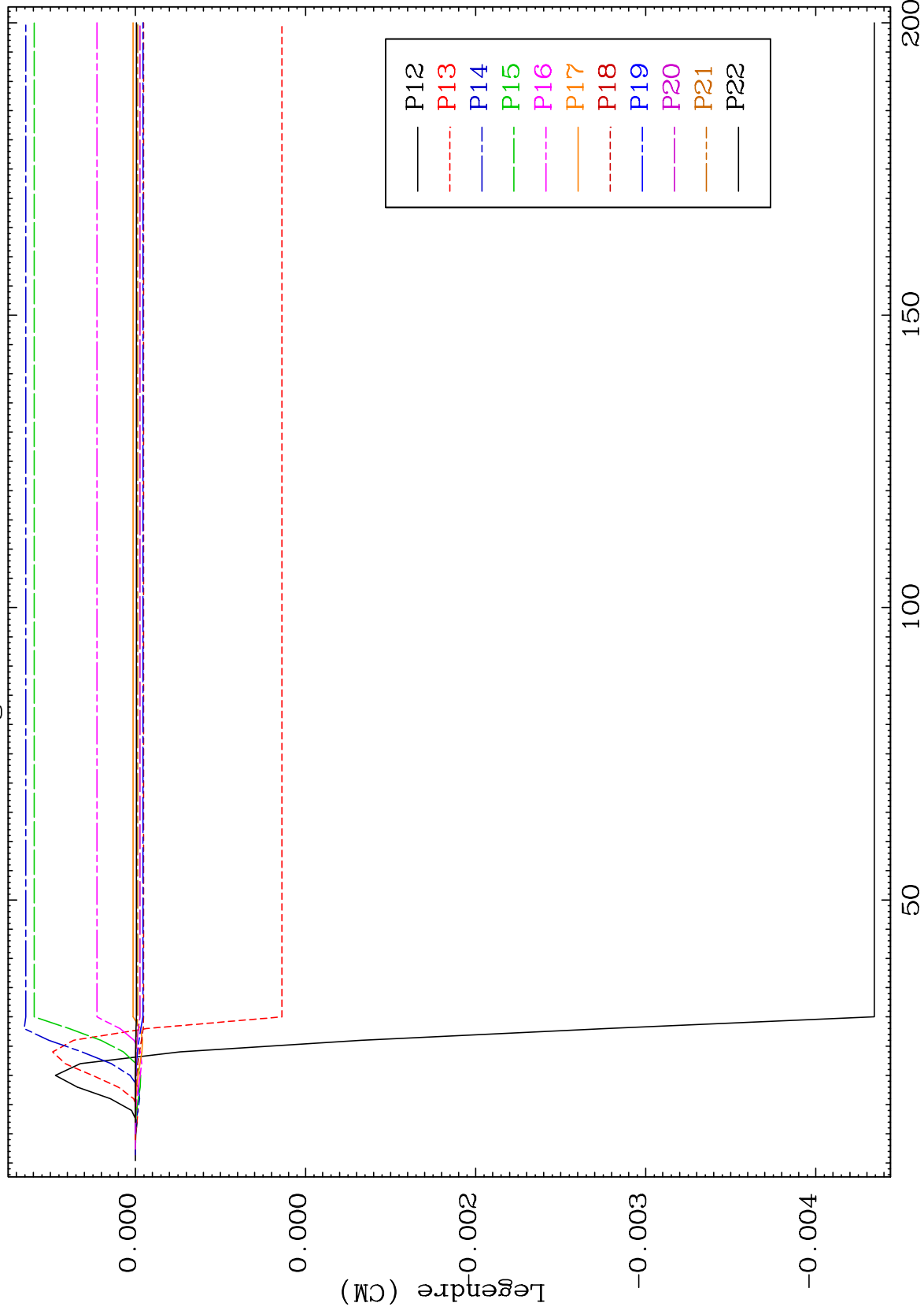
27-Co-65



MAT 2743

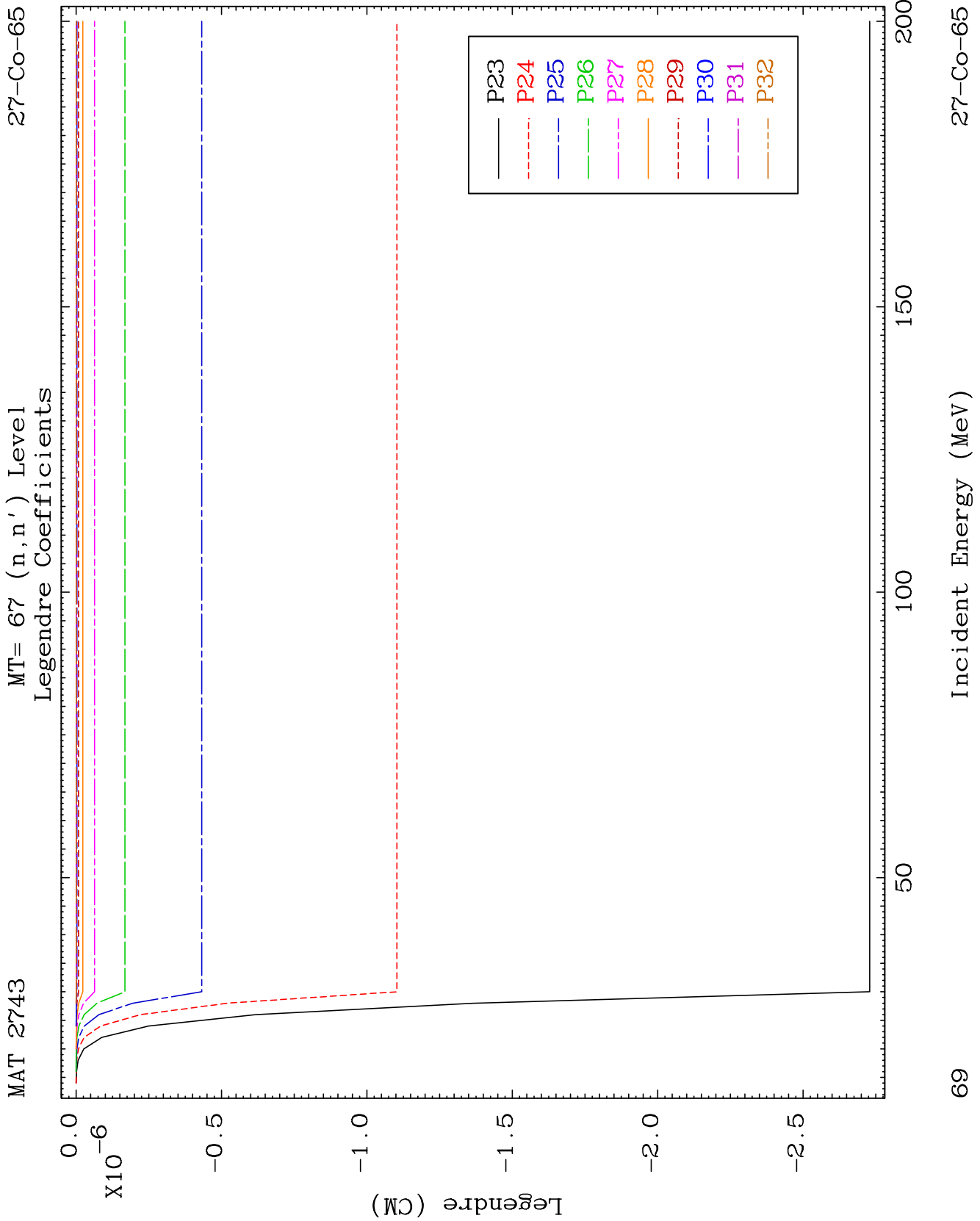
27-Co-65

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



68

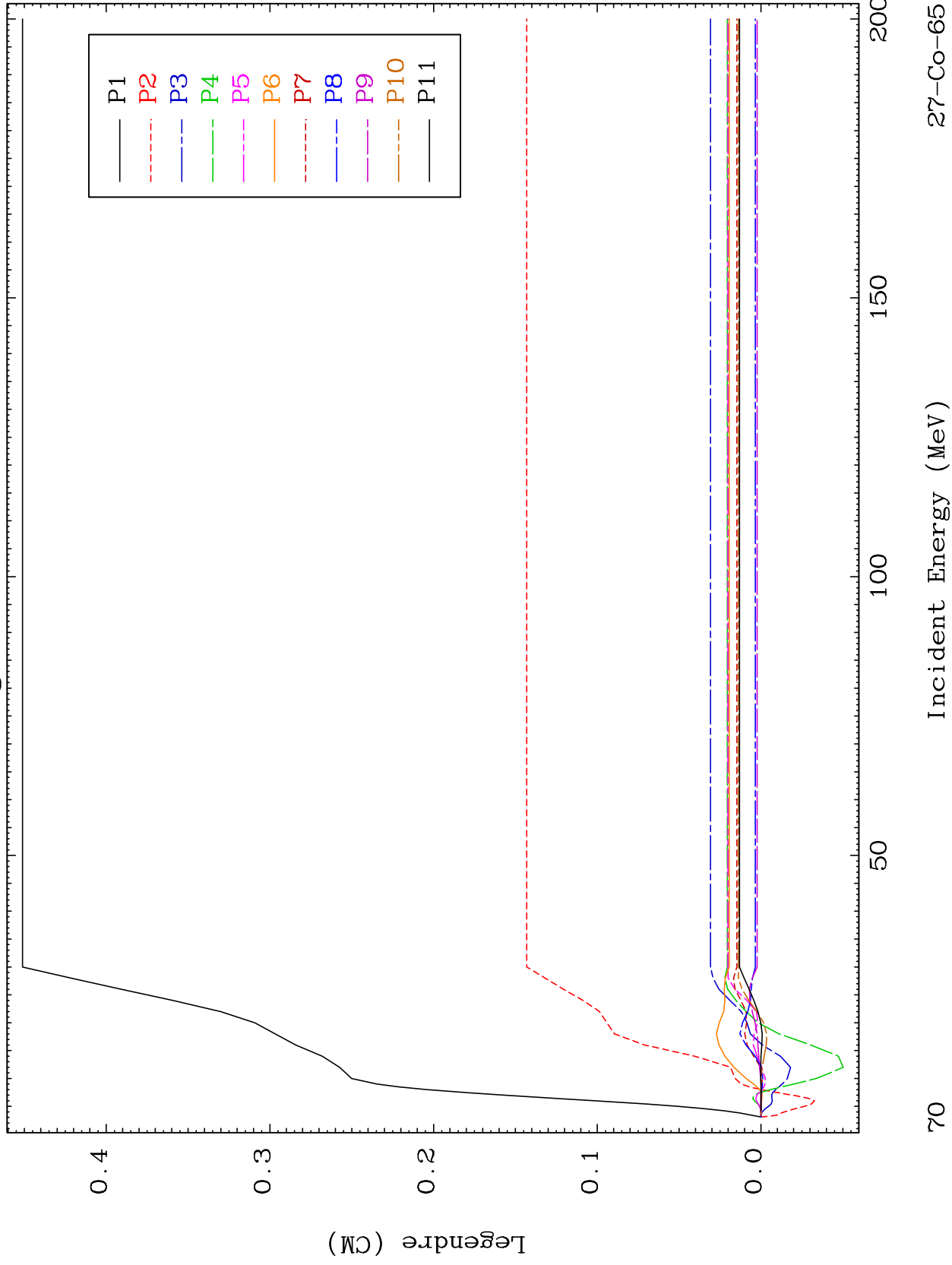
27-Co-65



MAT 2743

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

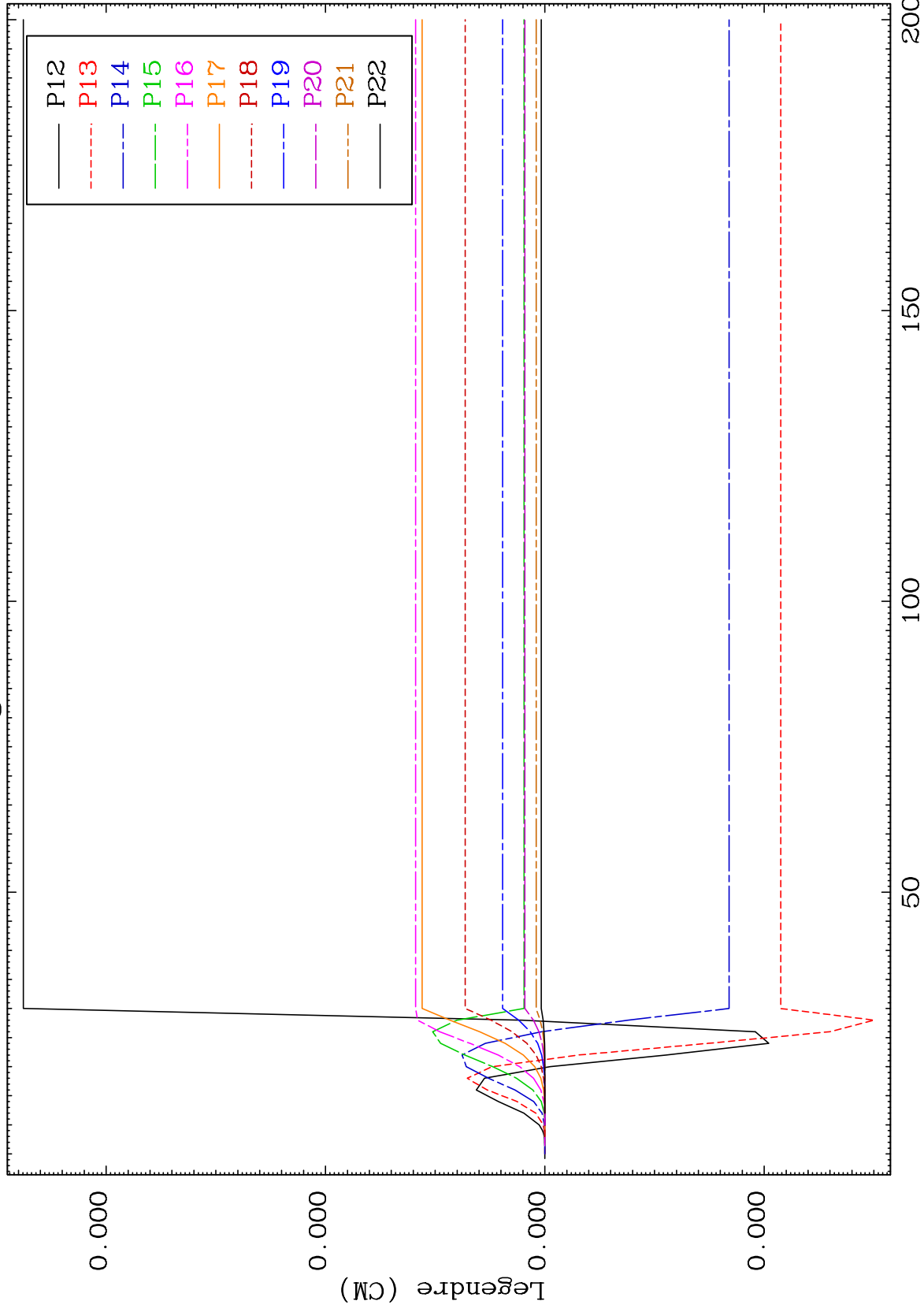
27-Co-65



MAT 2743

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

27-Co-65



71

Incident Energy (MeV)

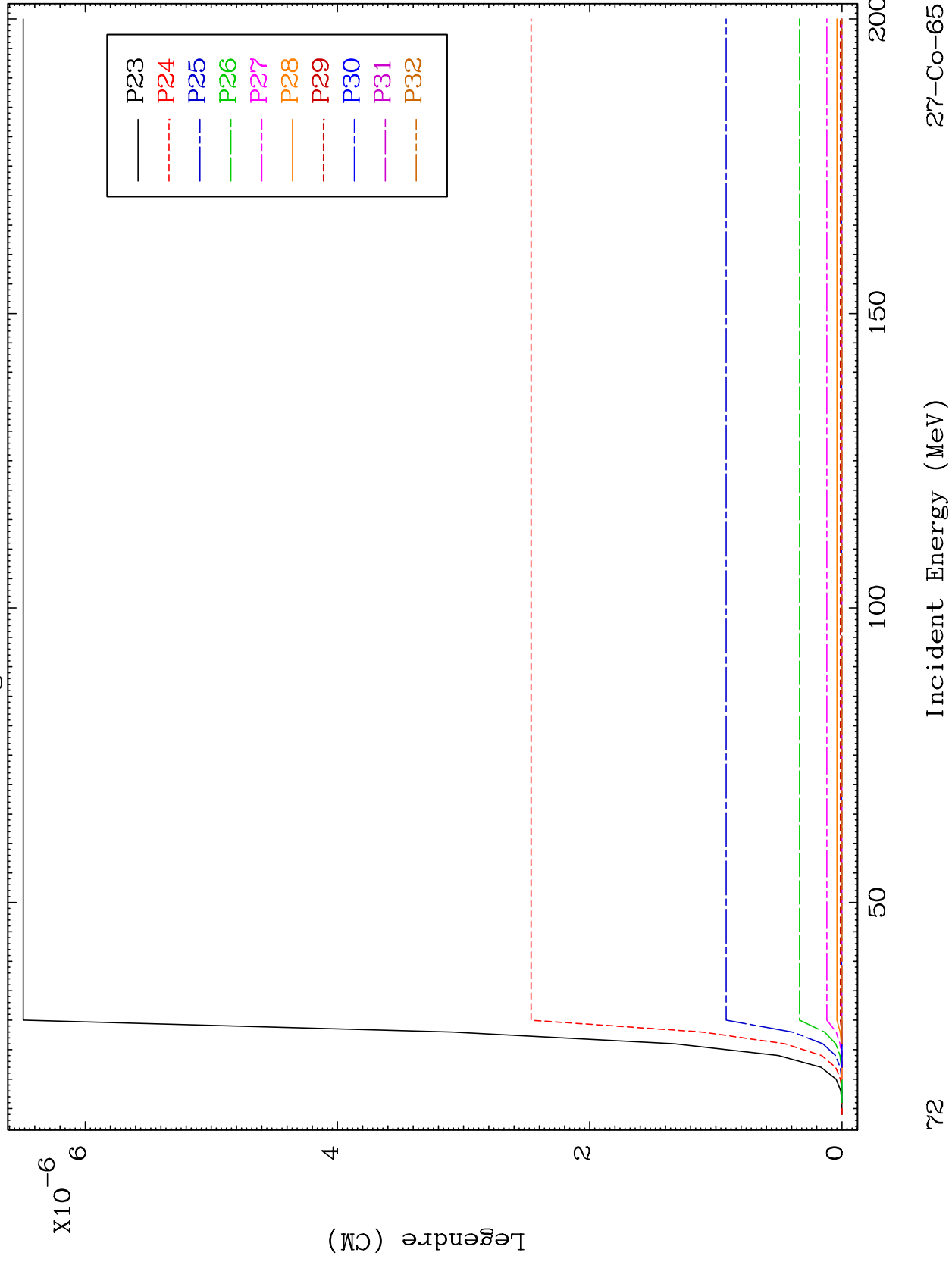
27-Co-65



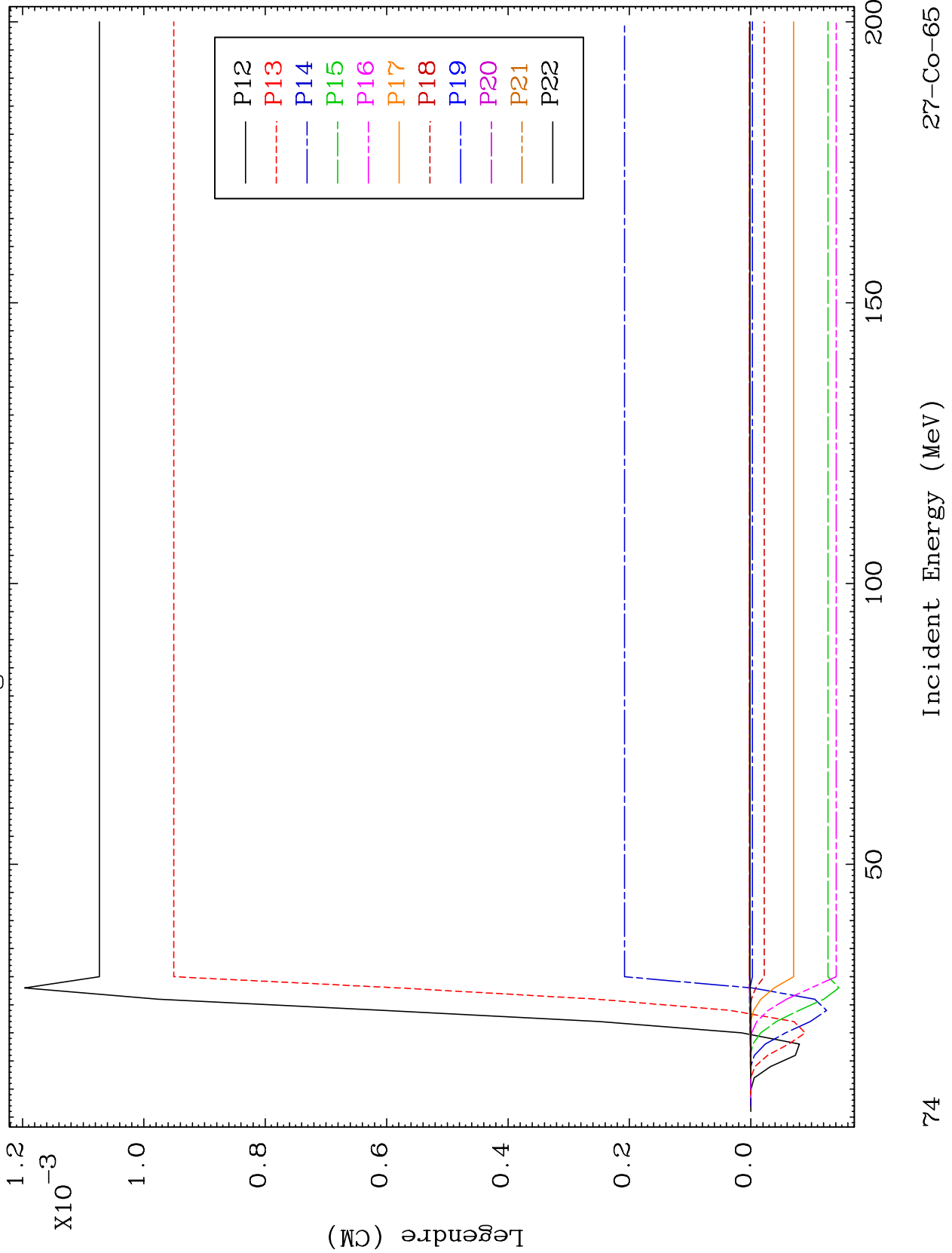
MAT 2743

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

27-Co-65



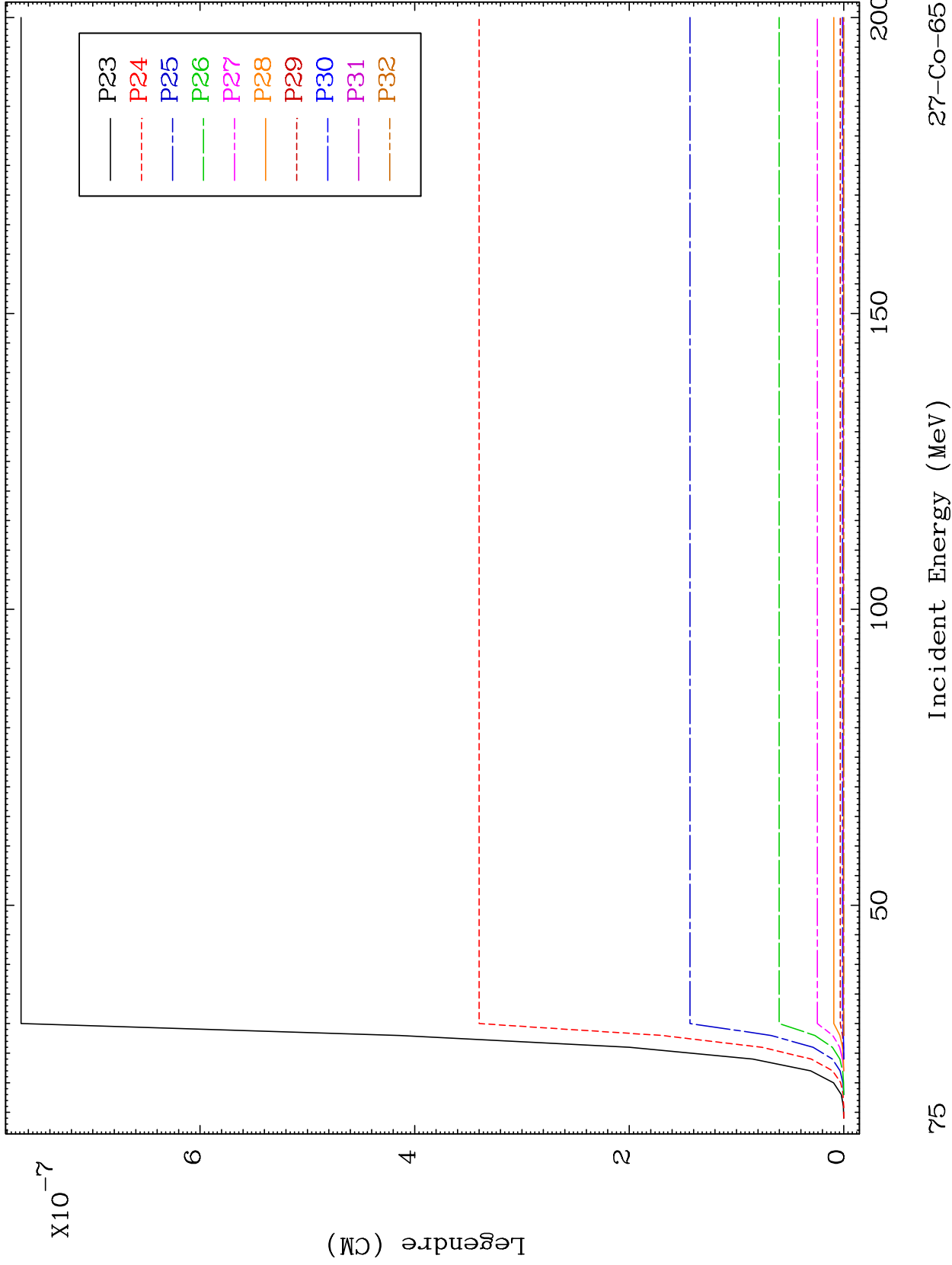




MAT 2743

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

27-Co-65



75

Incident Energy (MeV)

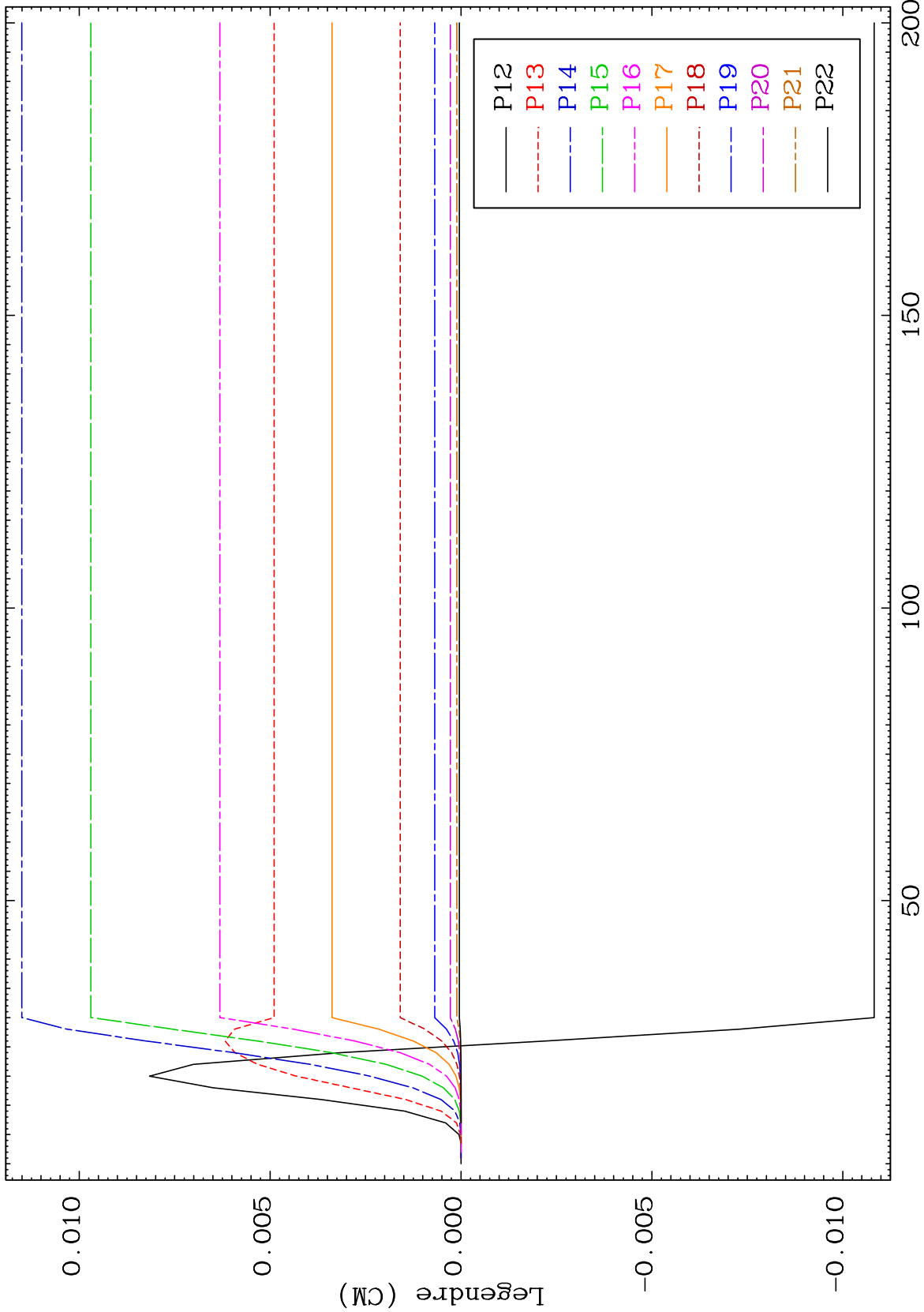
27-Co-65

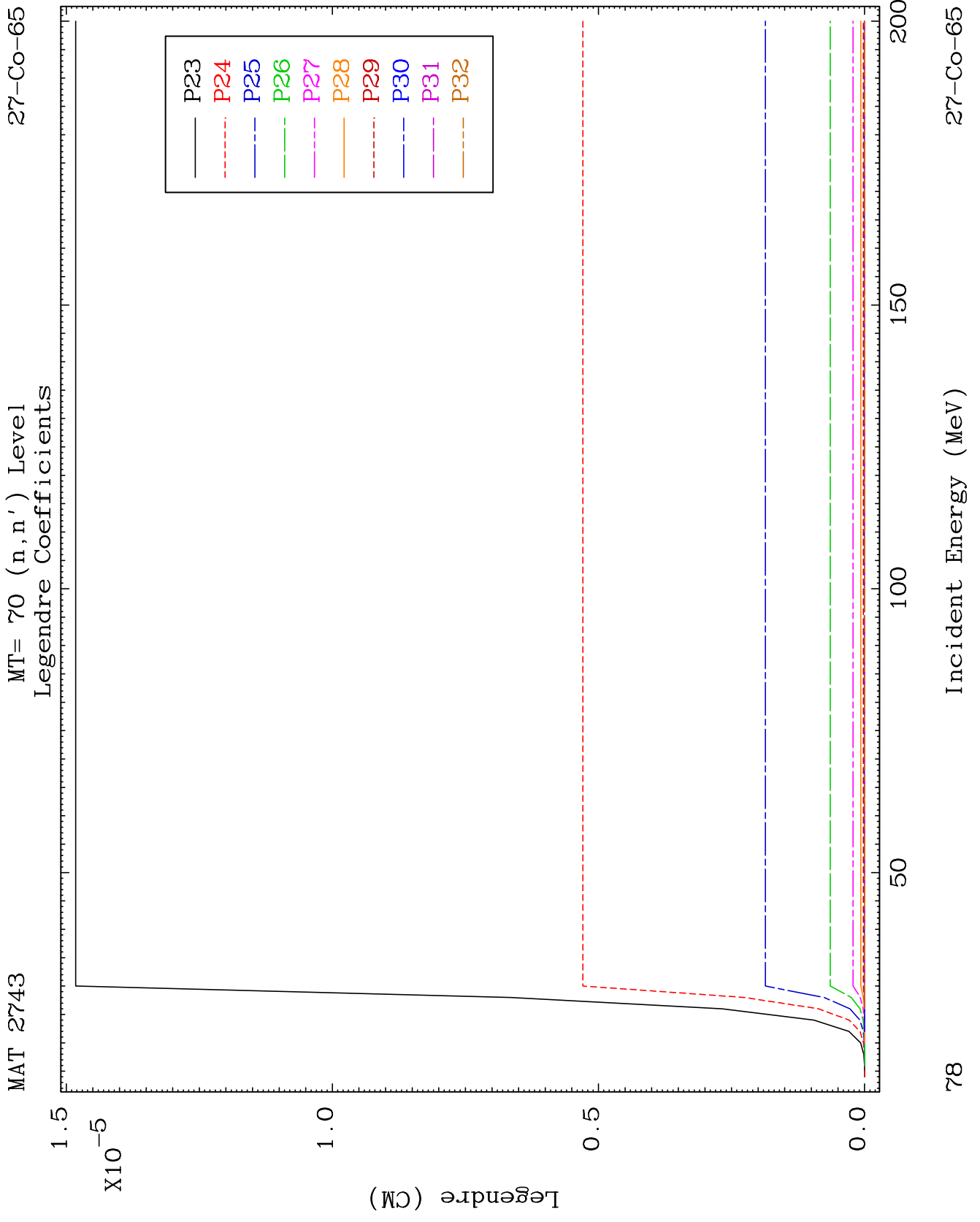


MAT 2743

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

27-Co-65

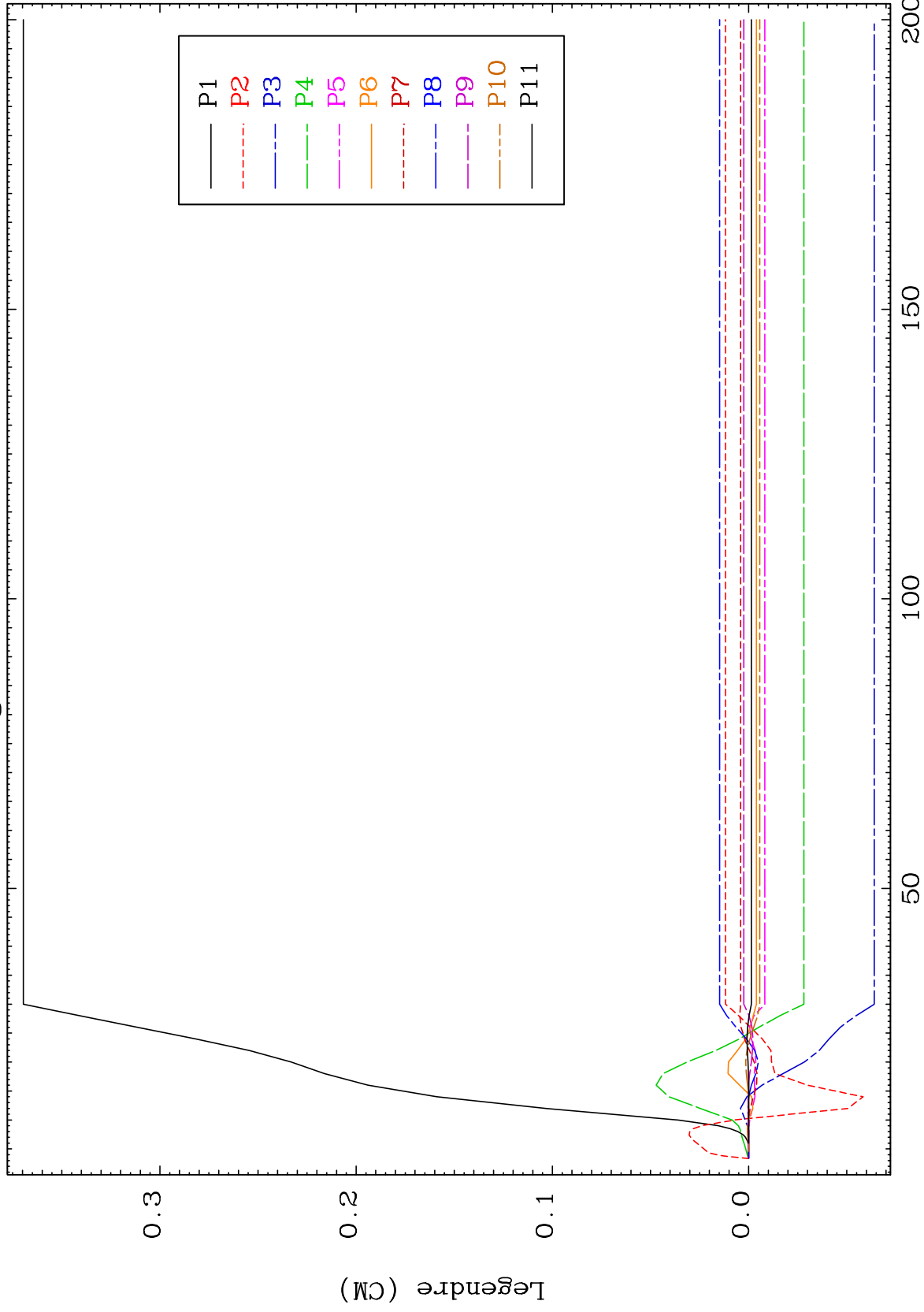




MAT 2743

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

27-Co-65



79

Incident Energy (MeV)

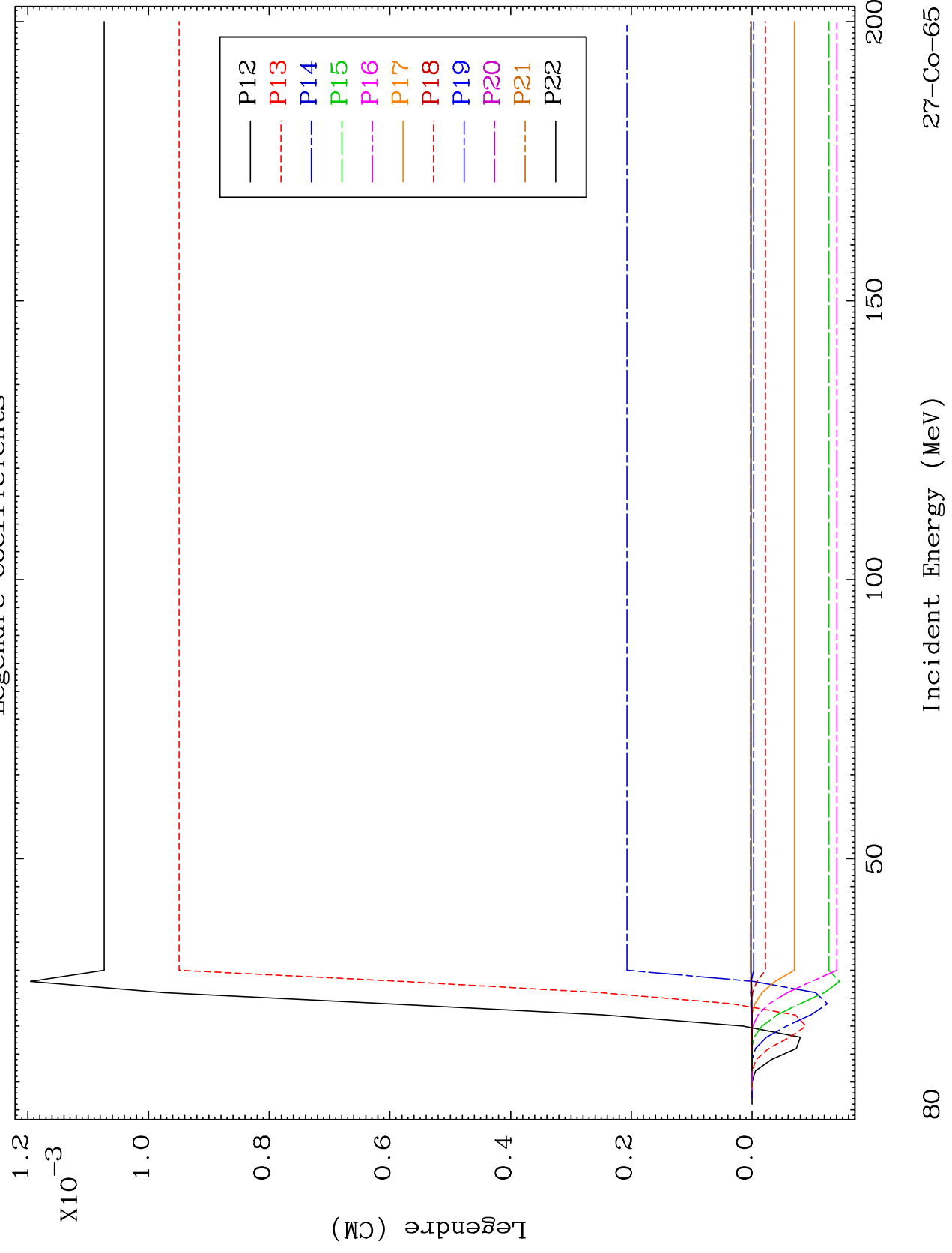
27-Co-65



MAT 2743

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

27-Co-65



80

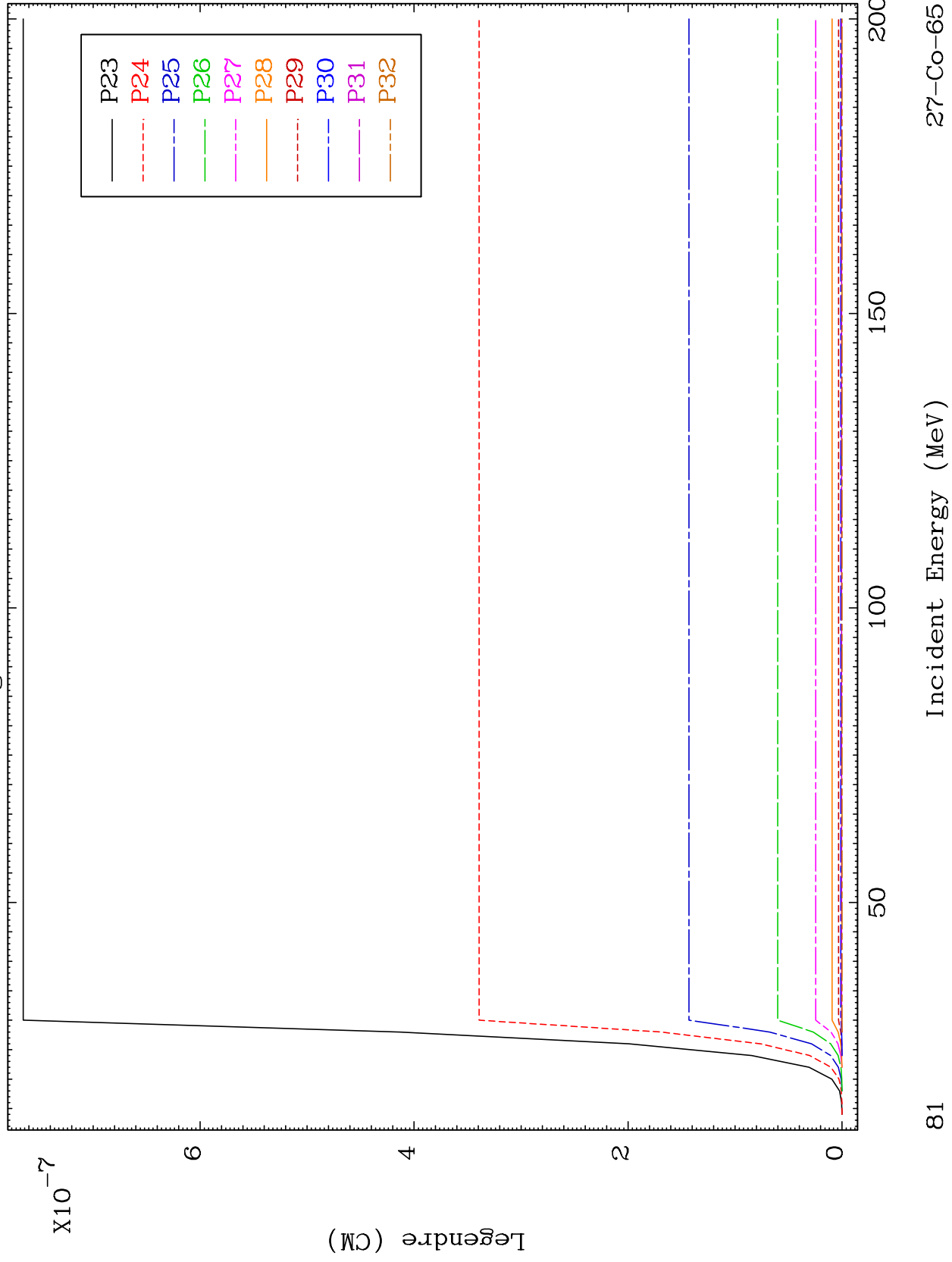
Incident Energy (MeV)

27-Co-65

MAT 2743

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

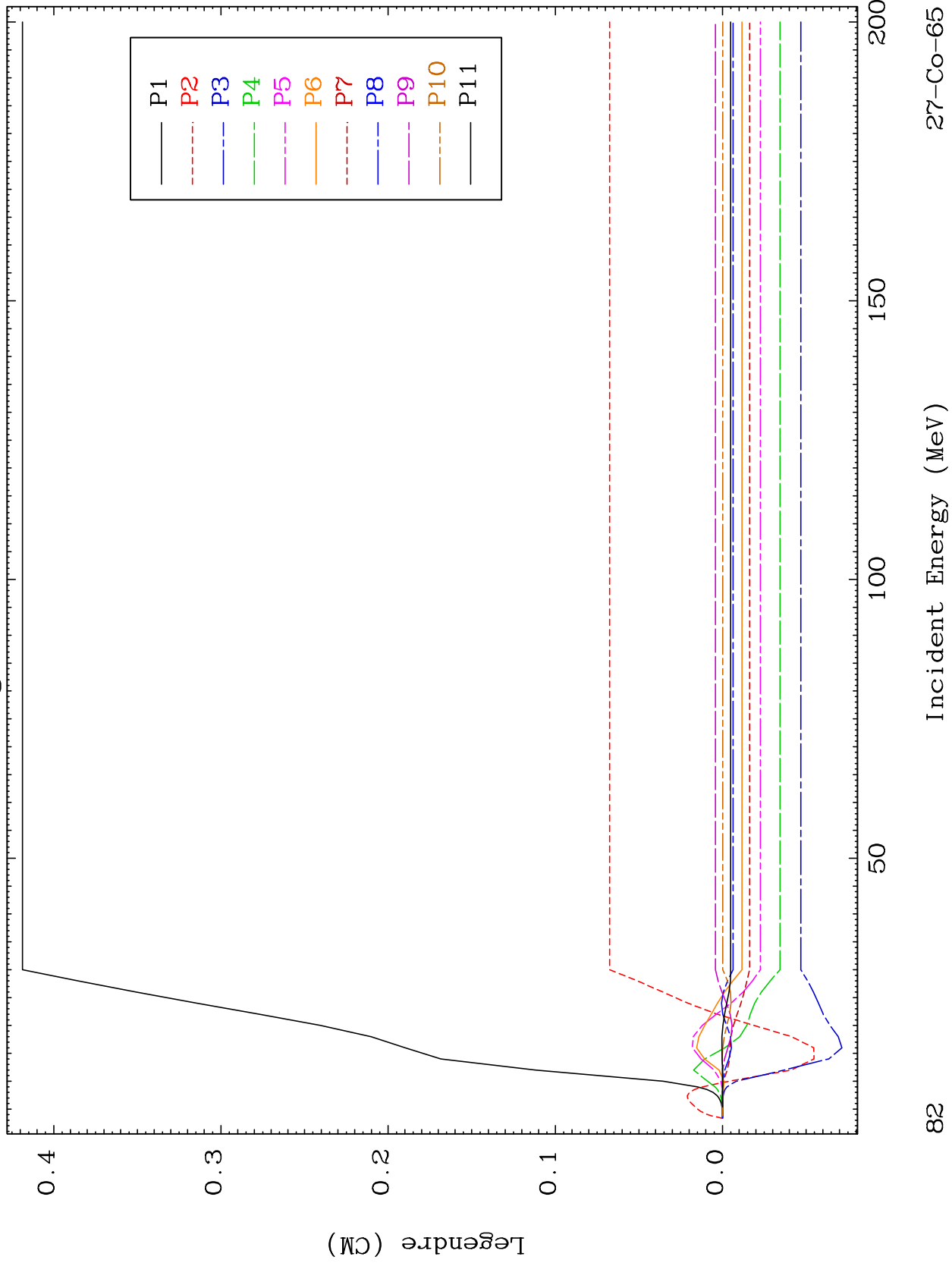
27-Co-65



MAT 2743

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

27-Co-65



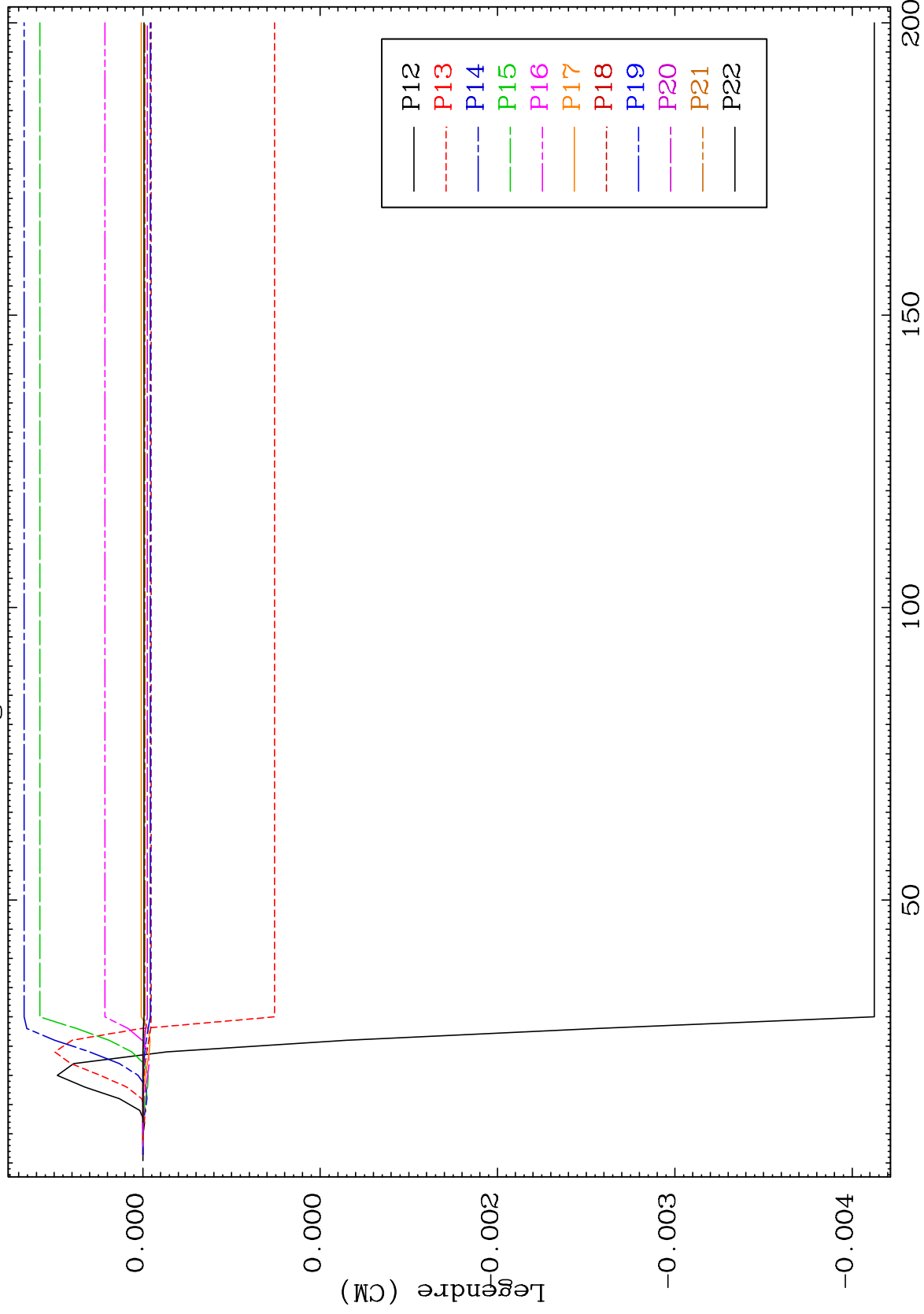
82

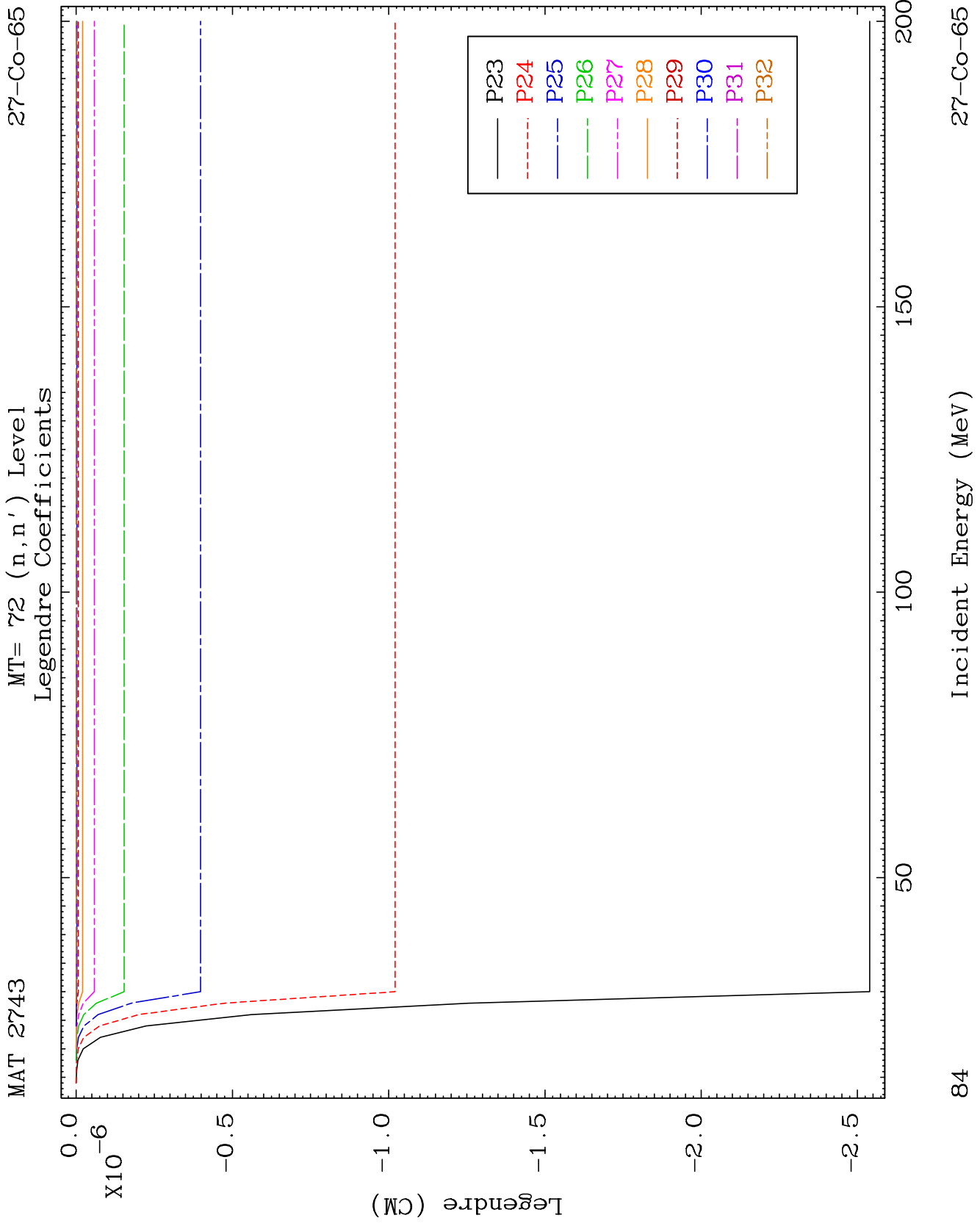
27-Co-65

MAT 2743

27-Co-65

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

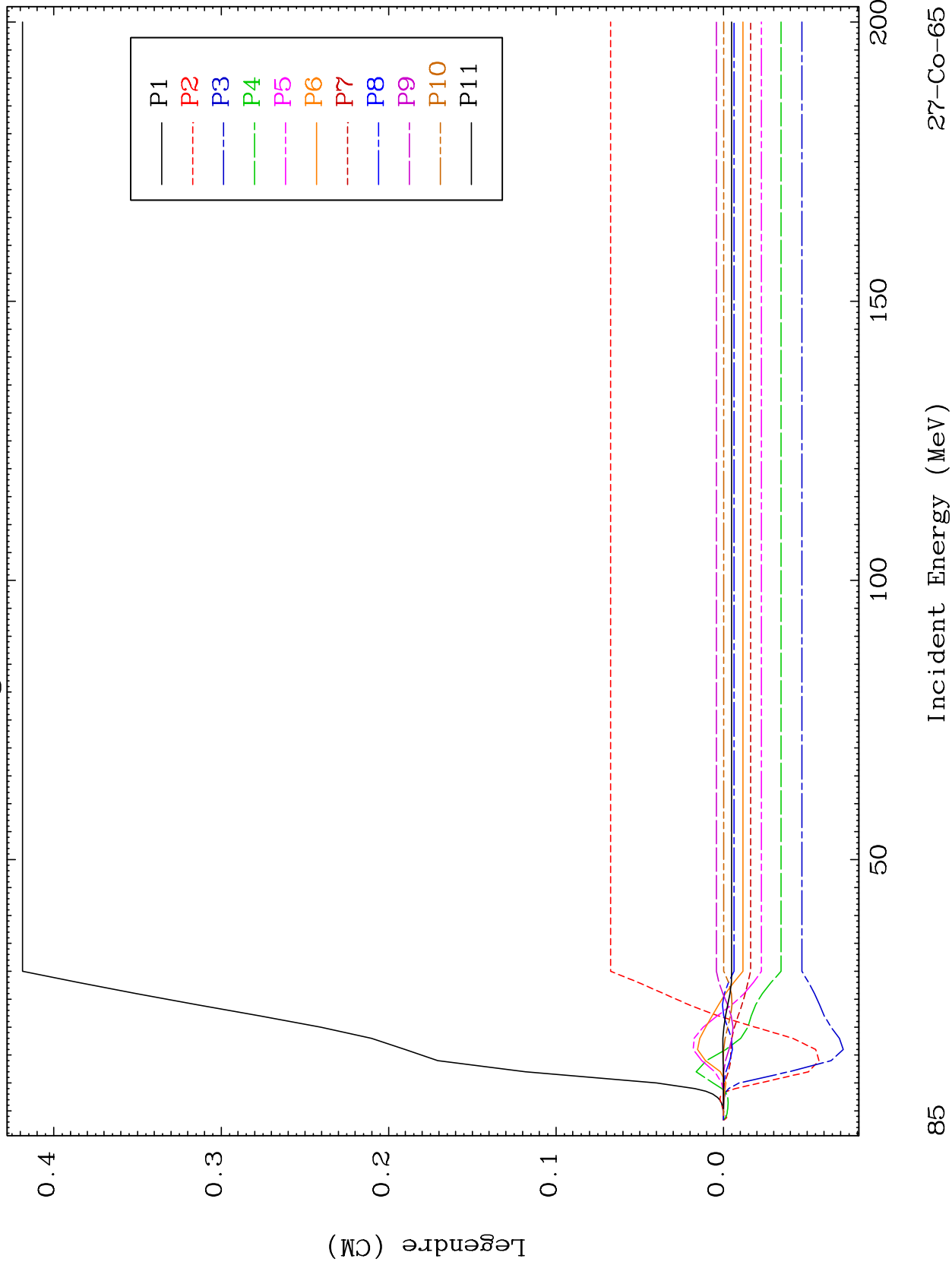




MAT 2743

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

27-Co-65



85

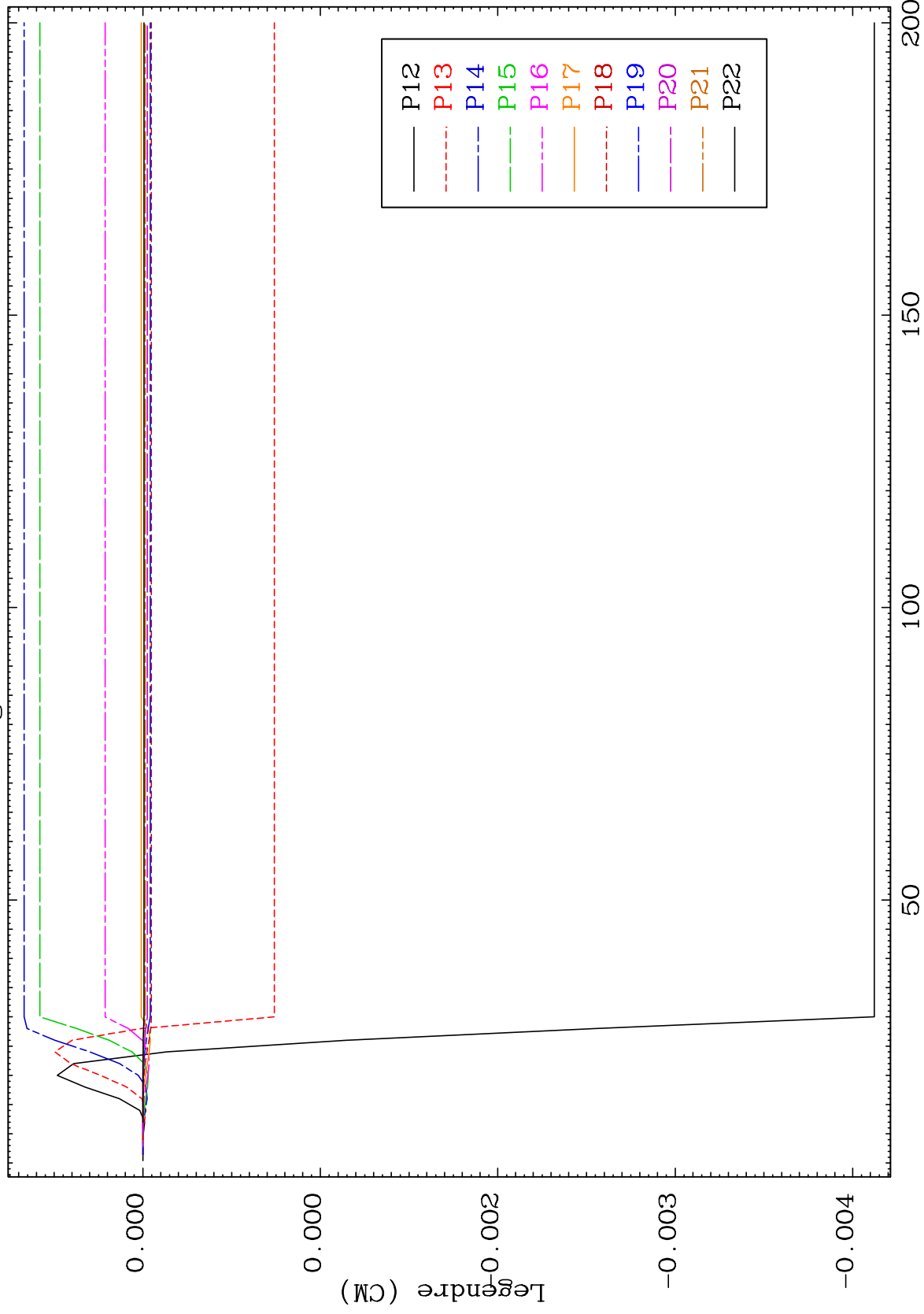
Incident Energy (MeV)

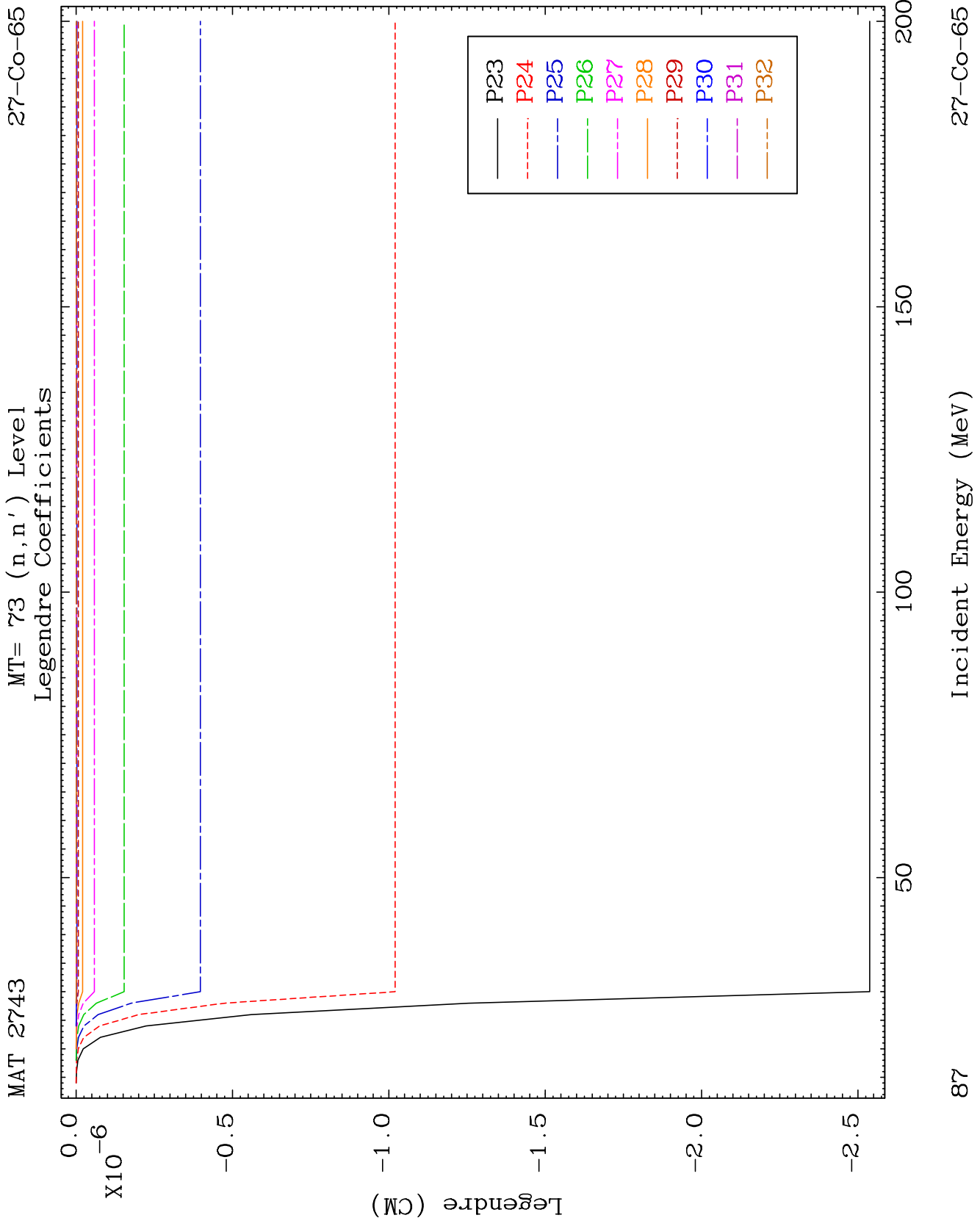
27-Co-65

MAT 2743

27-Co-65

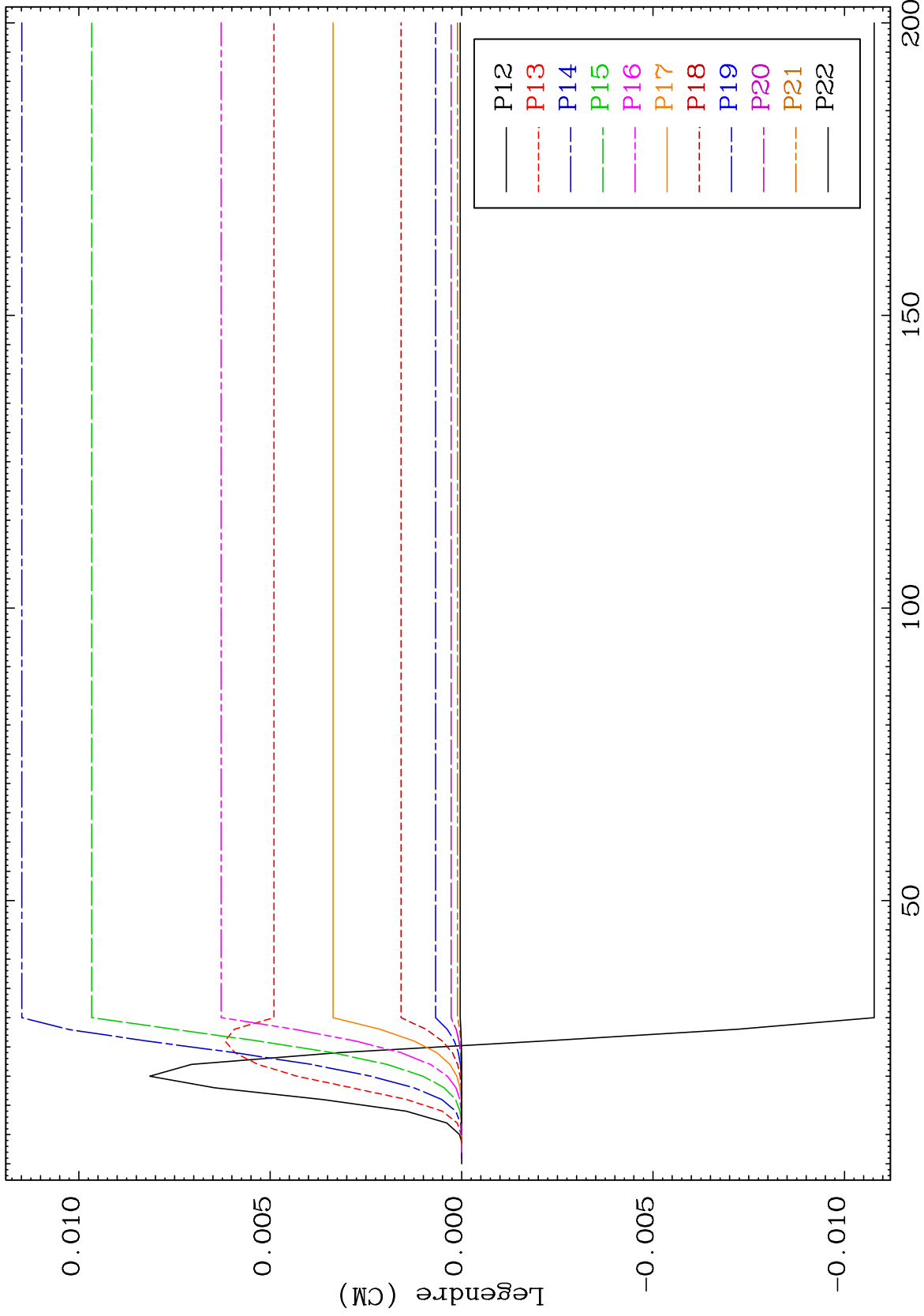
MT= 73 (n,n') Level  
Legendre Coefficients









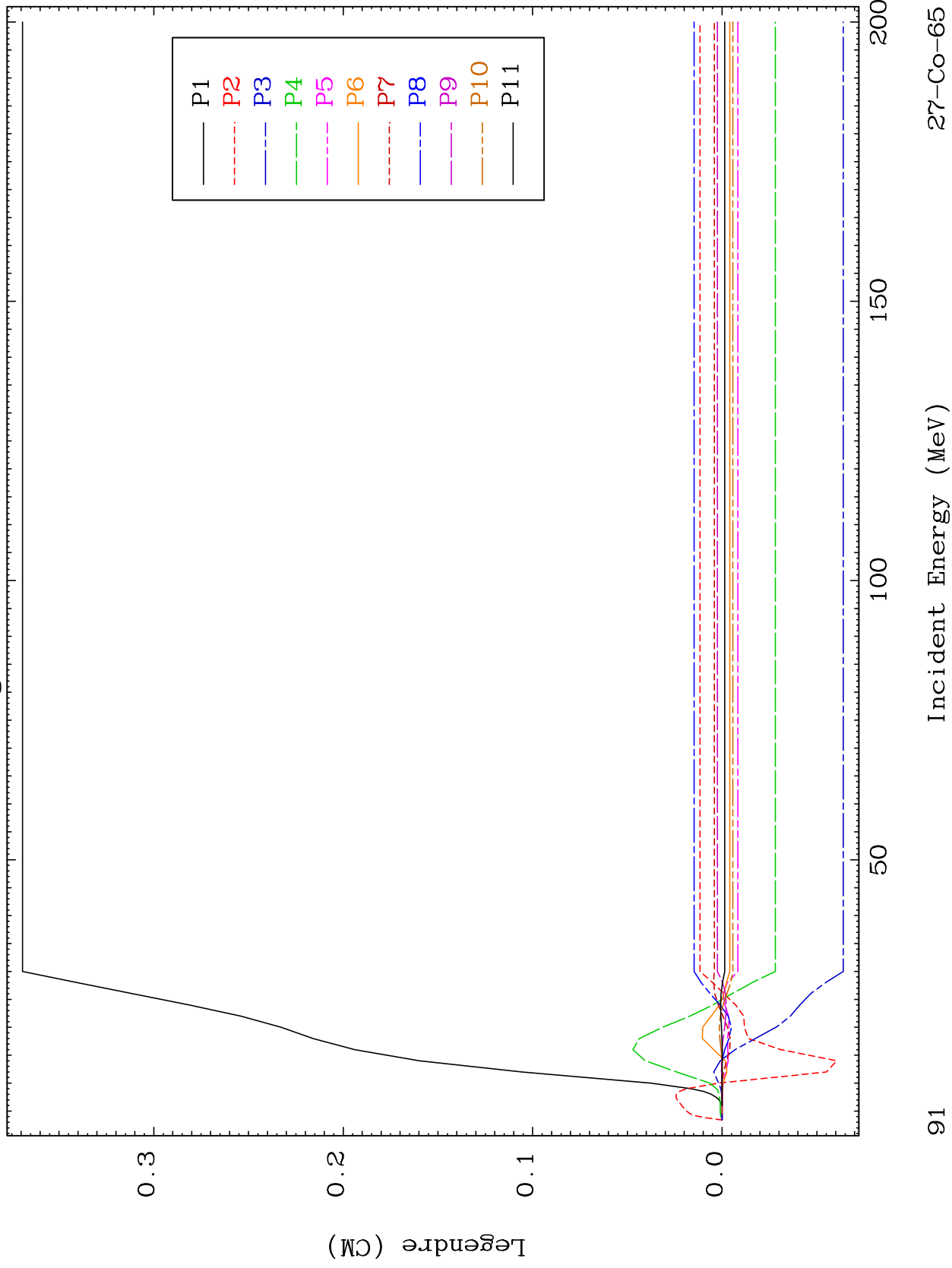




MAT 2743

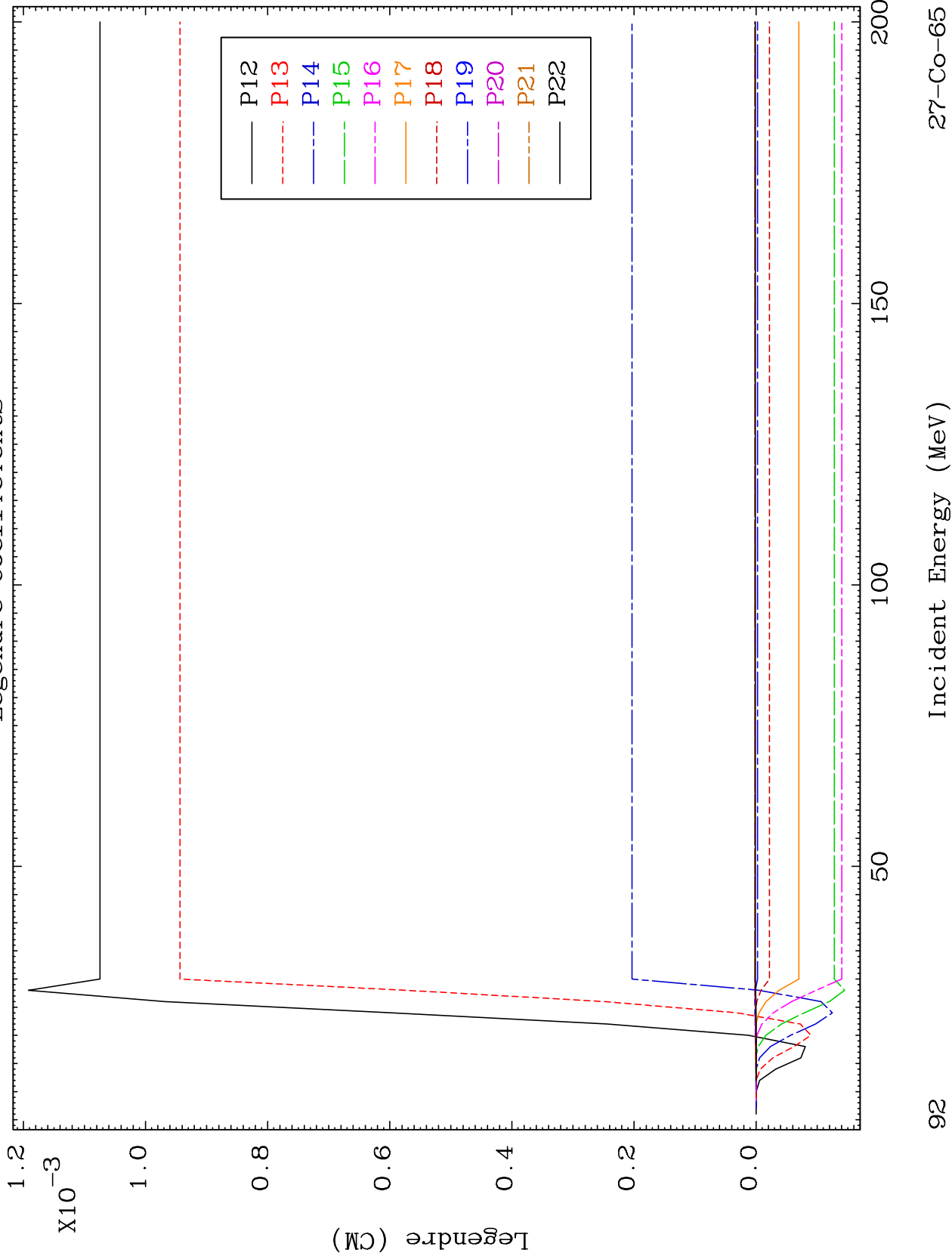
MT= 75 (n,n') Level  
Legendre Coefficients

27-Co-65



91

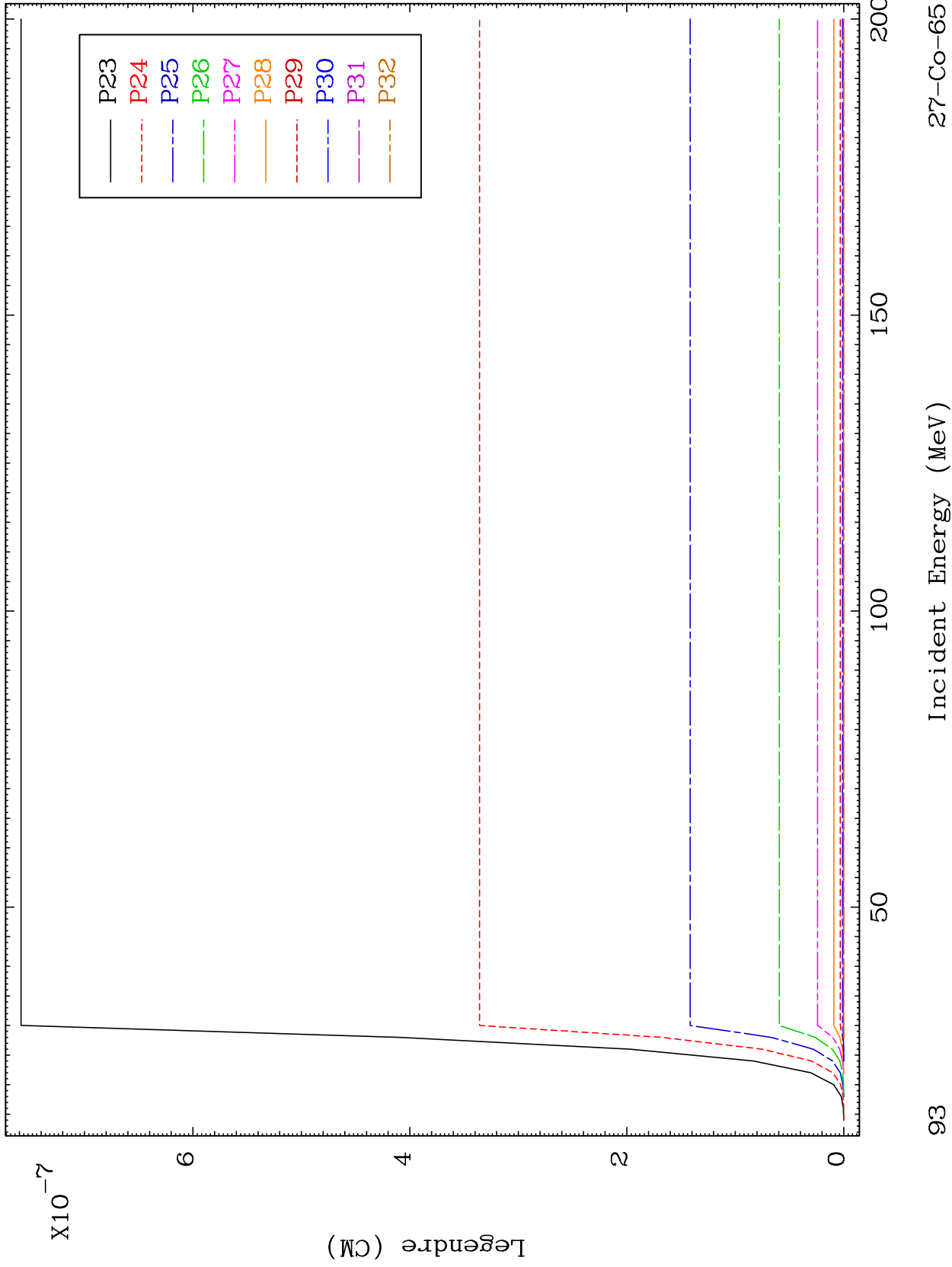
27-Co-65



MAT 2743

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

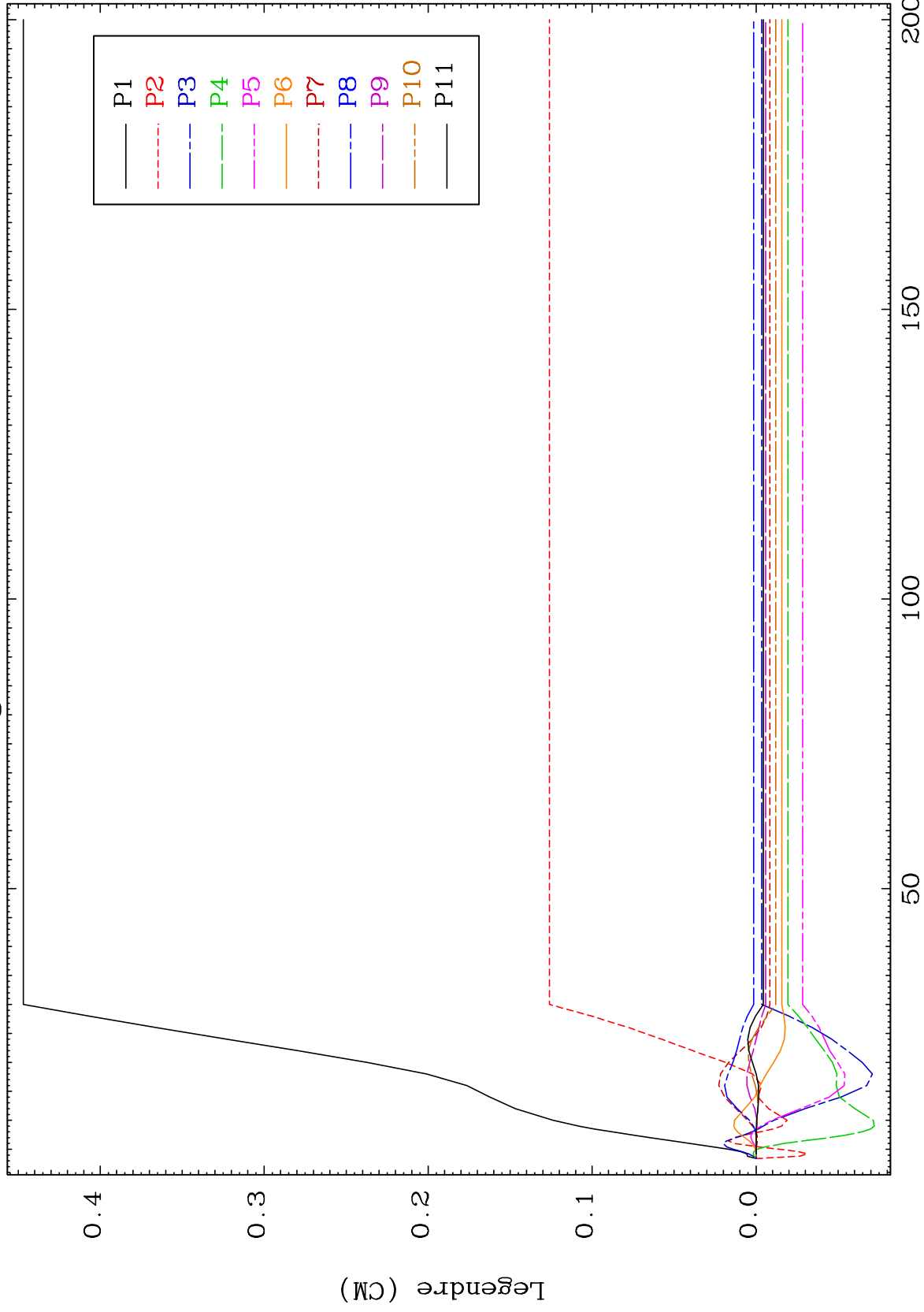
27-Co-65



MAT 2743

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

27-Co-65



94

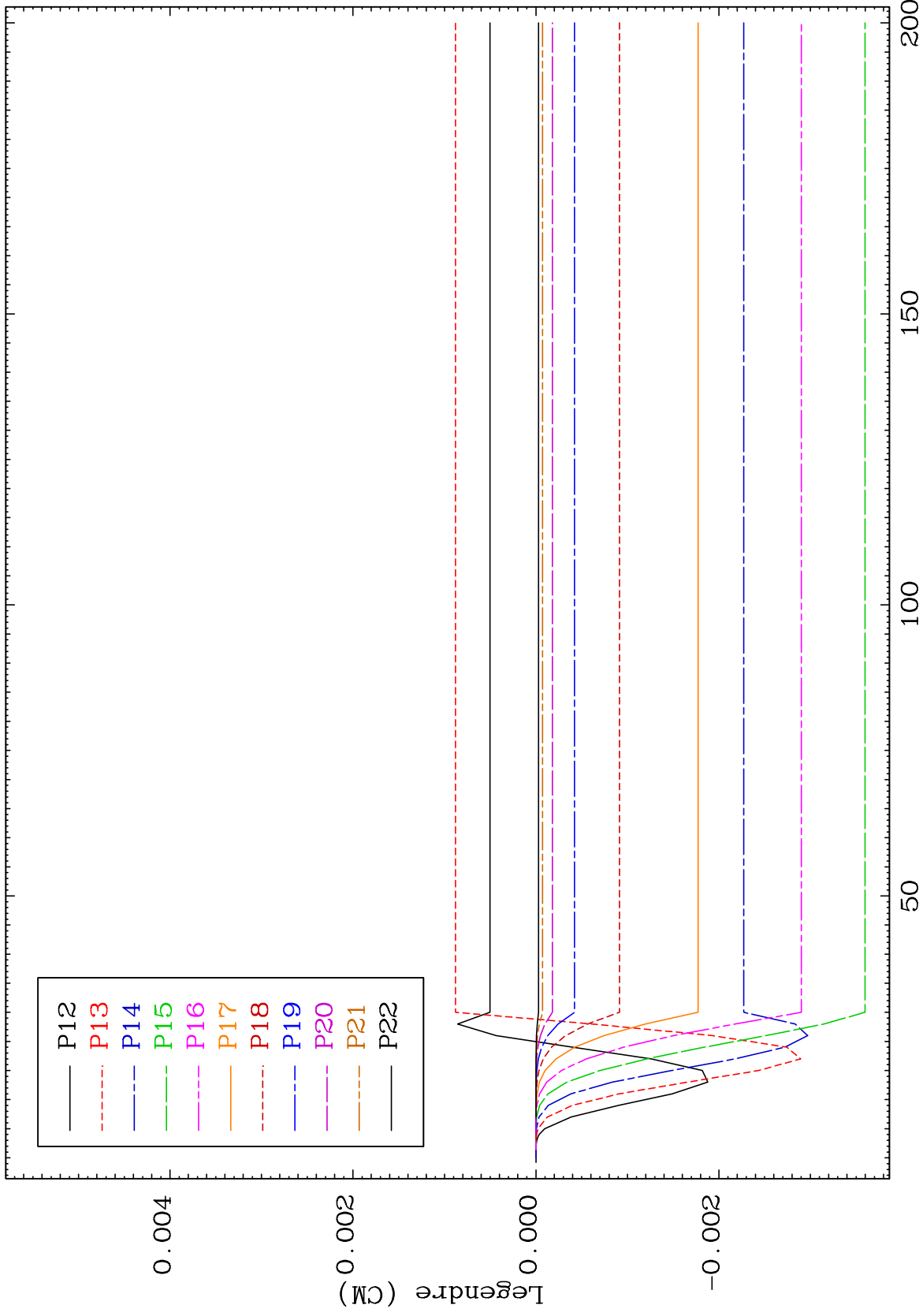
Incident Energy (MeV)

27-Co-65

MAT 2743

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

27-Co-65

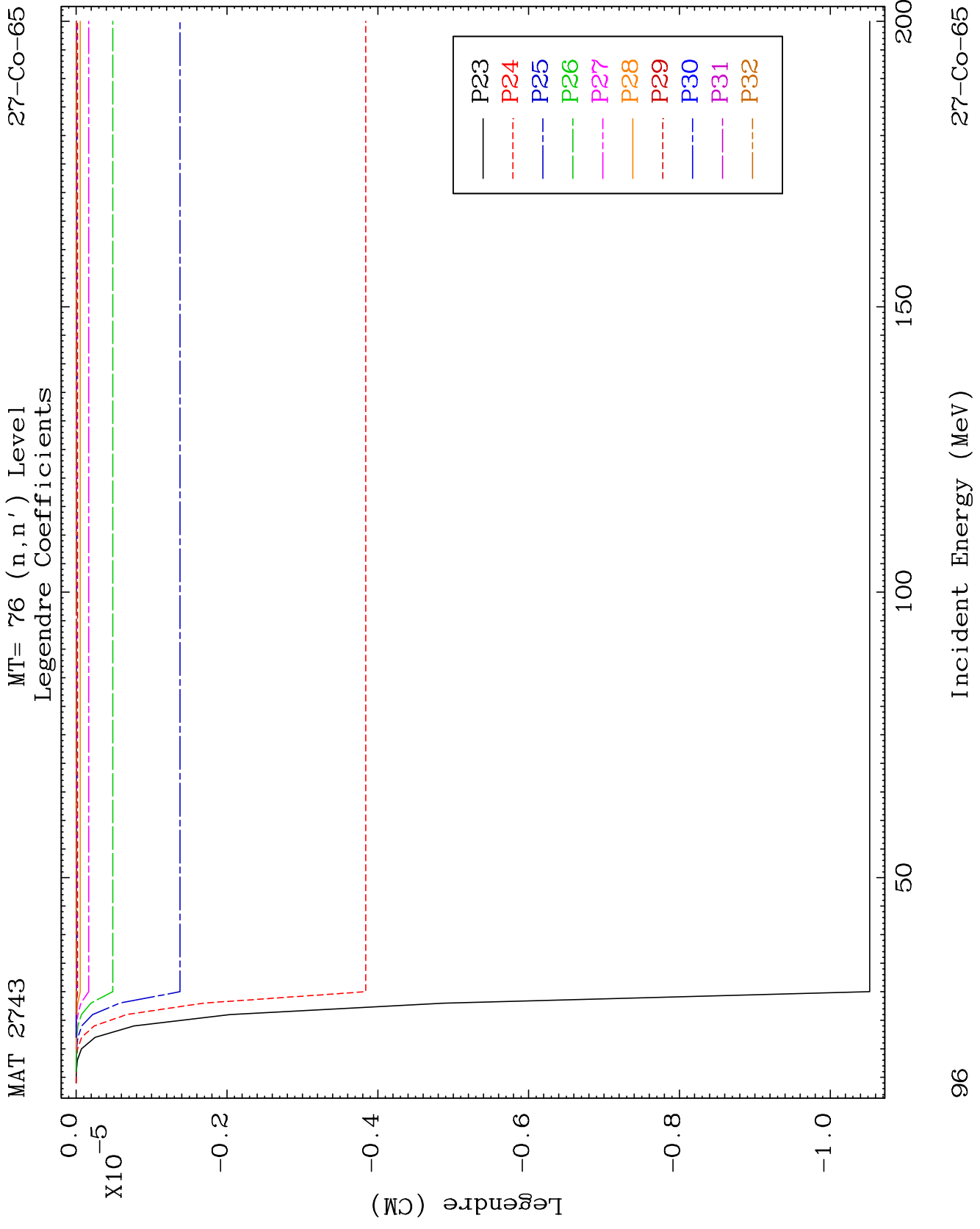


95

Incident Energy (MeV)

27-Co-65

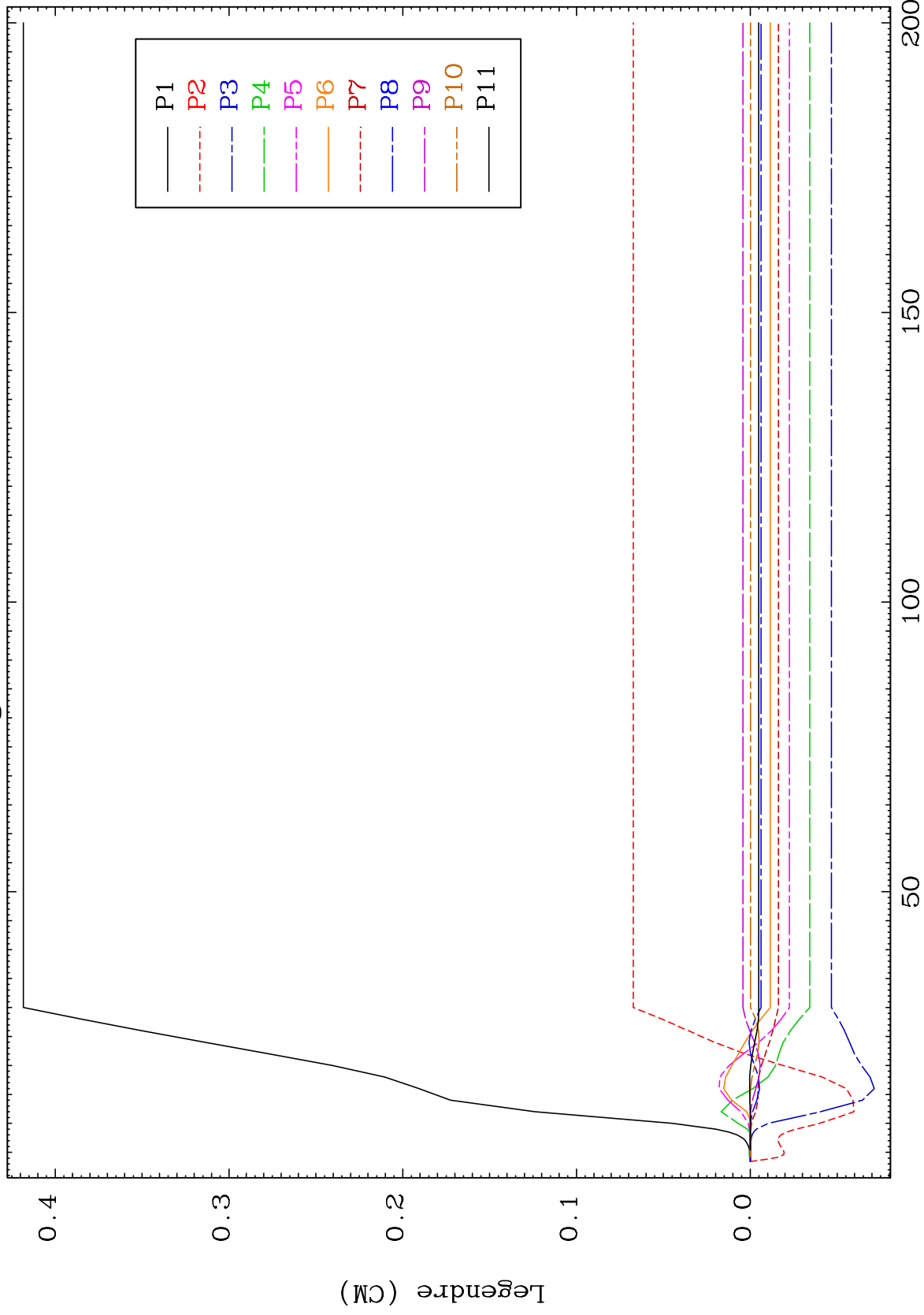




MAT 2743

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

27-Co-65



97

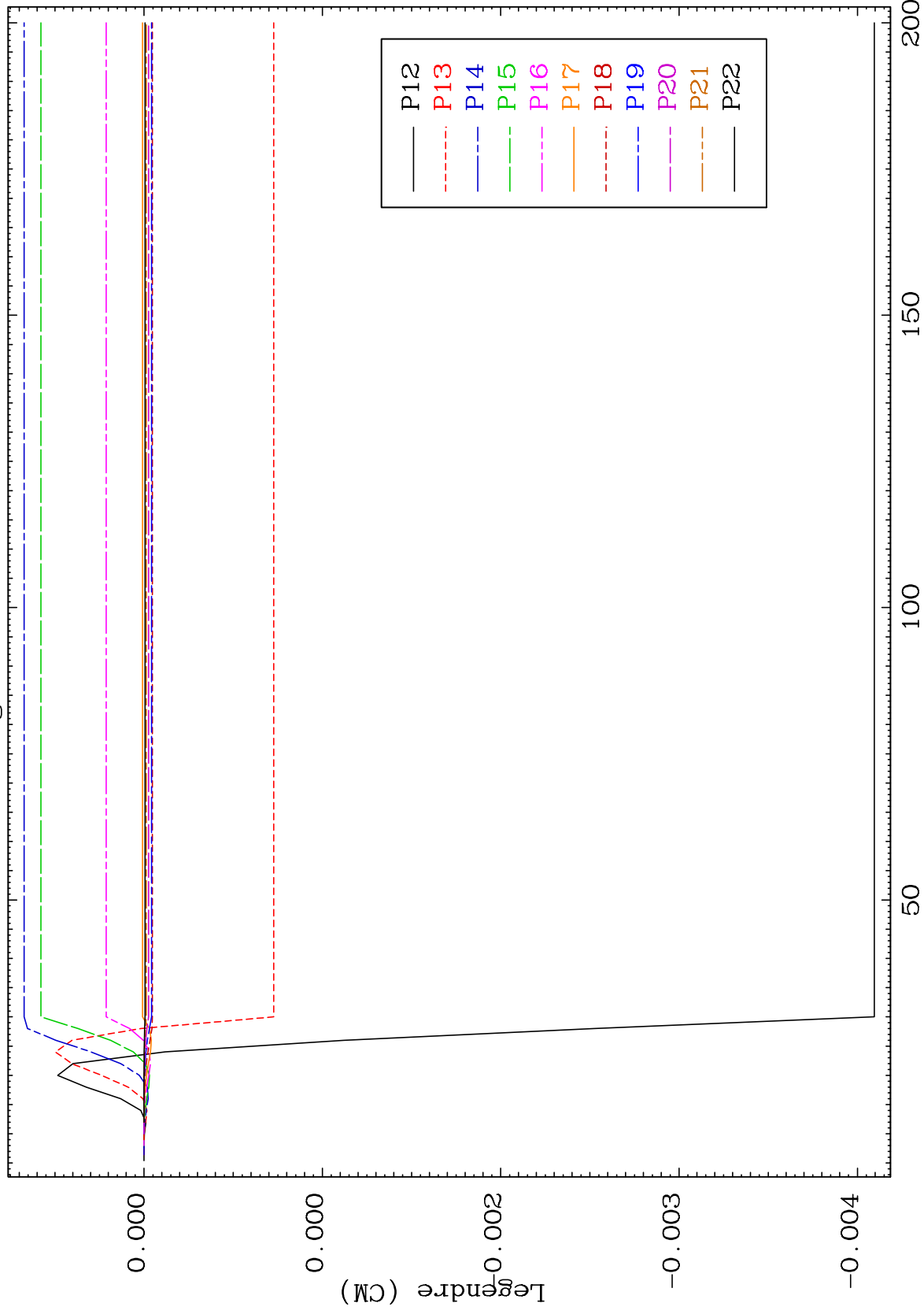
Incident Energy (MeV)

27-Co-65

MAT 2743

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

27-Co-65



98

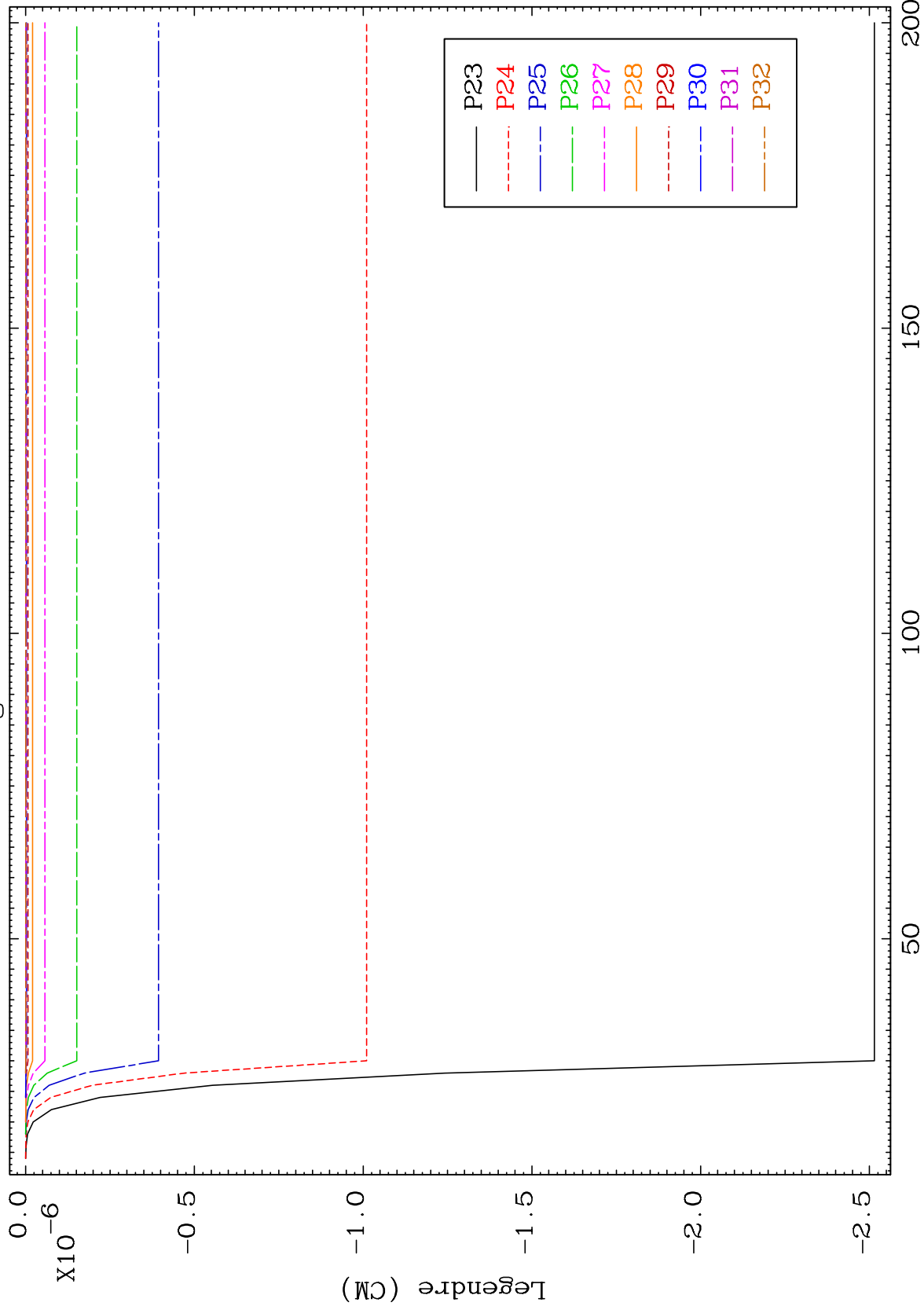
Incident Energy (MeV)

27-Co-65

MAT 2743

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

27-Co-65



99

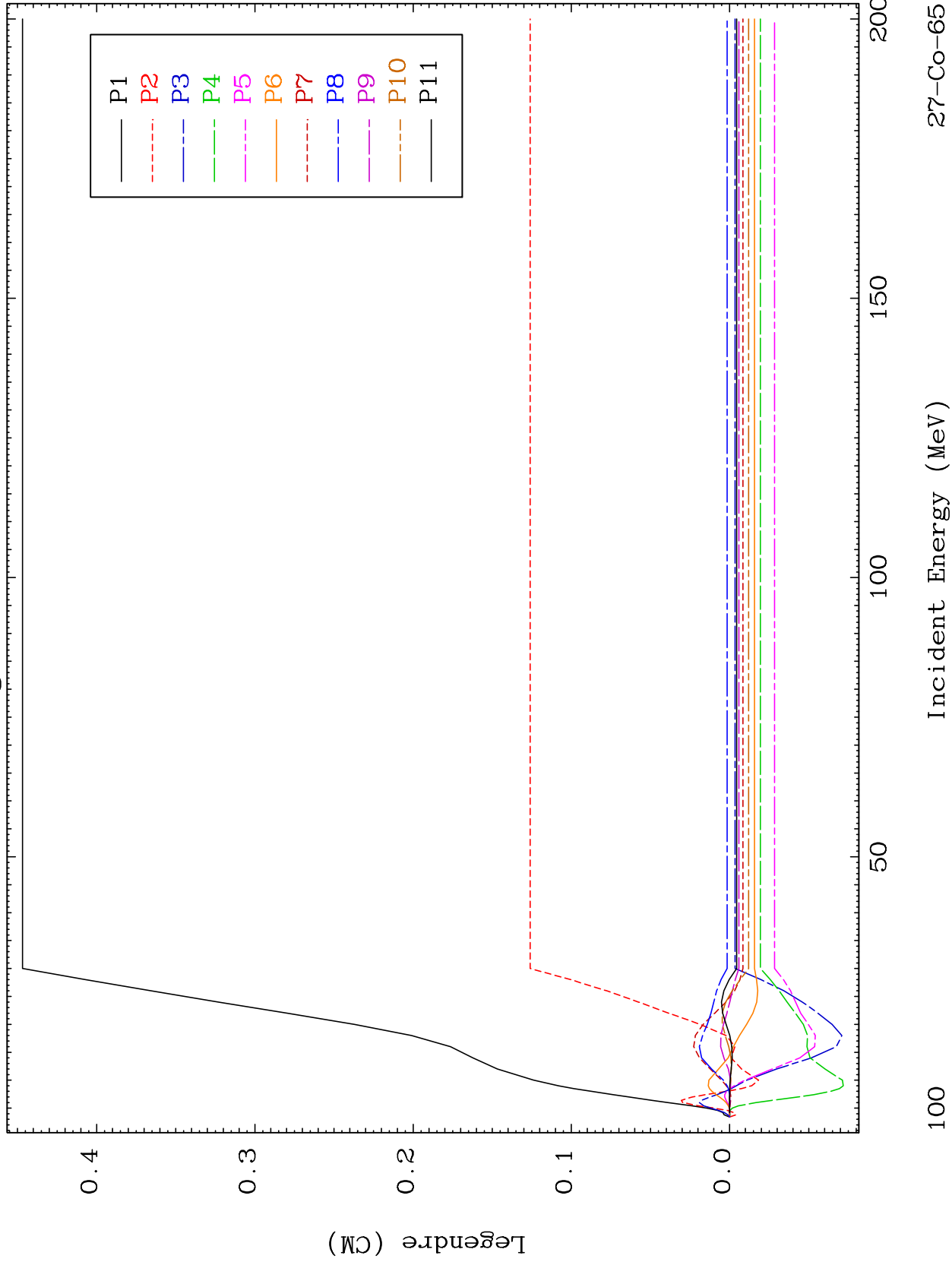
Incident Energy (MeV)

27-Co-65

MAT 2743

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

27-Co-65

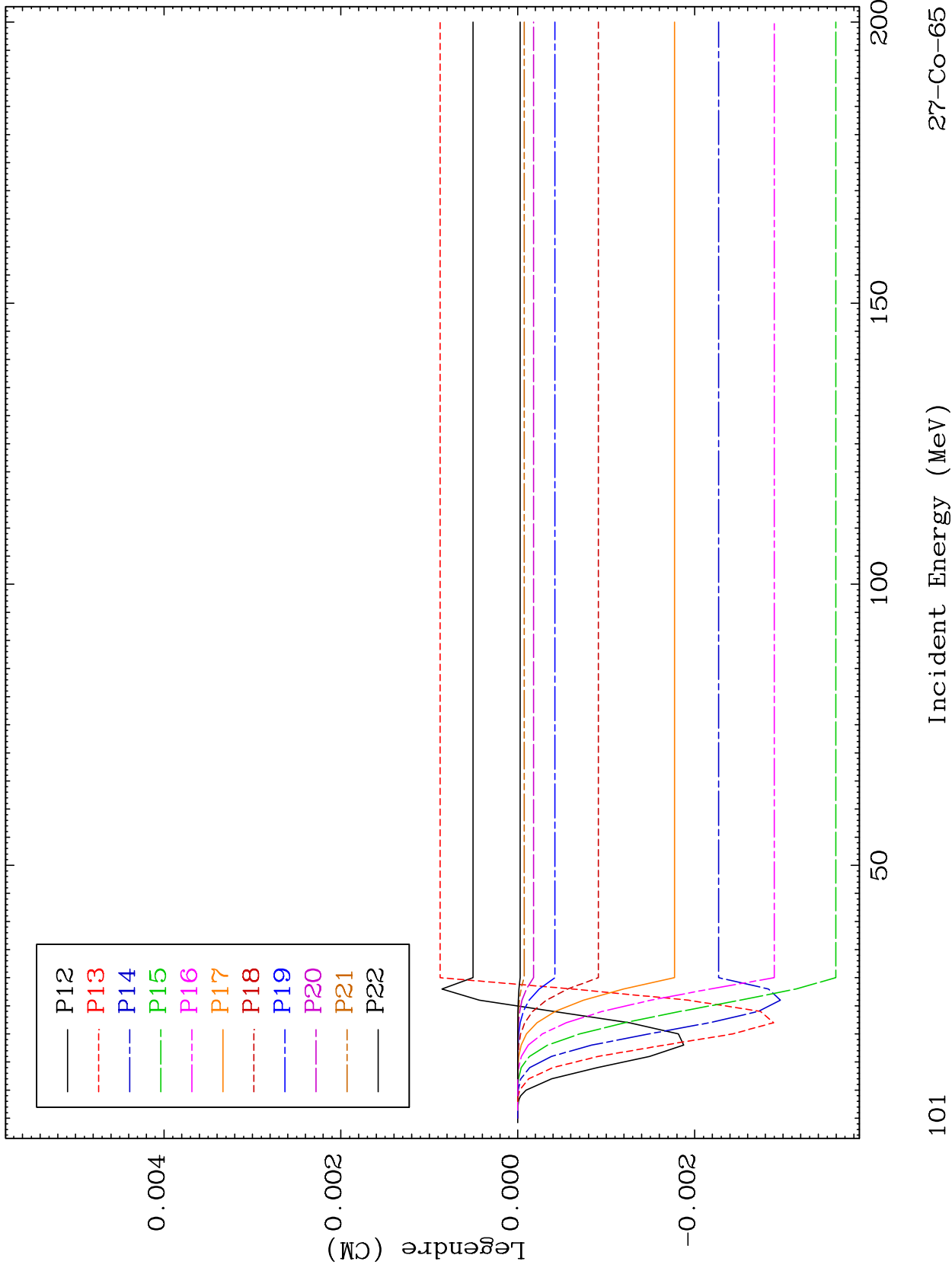


27-Co-65

MAT 2743

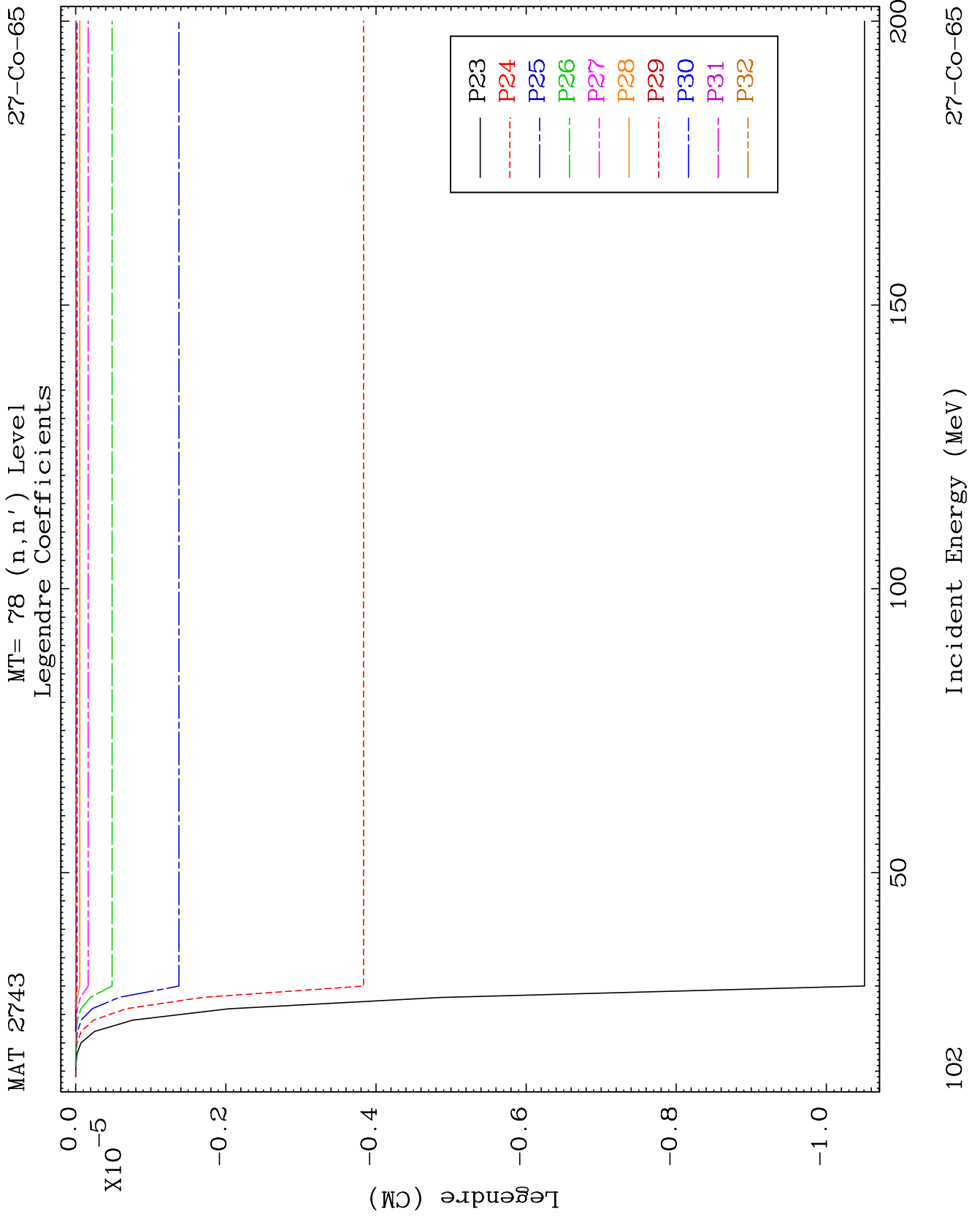
MT= 78 (n,n') Level  
Legendre Coefficients

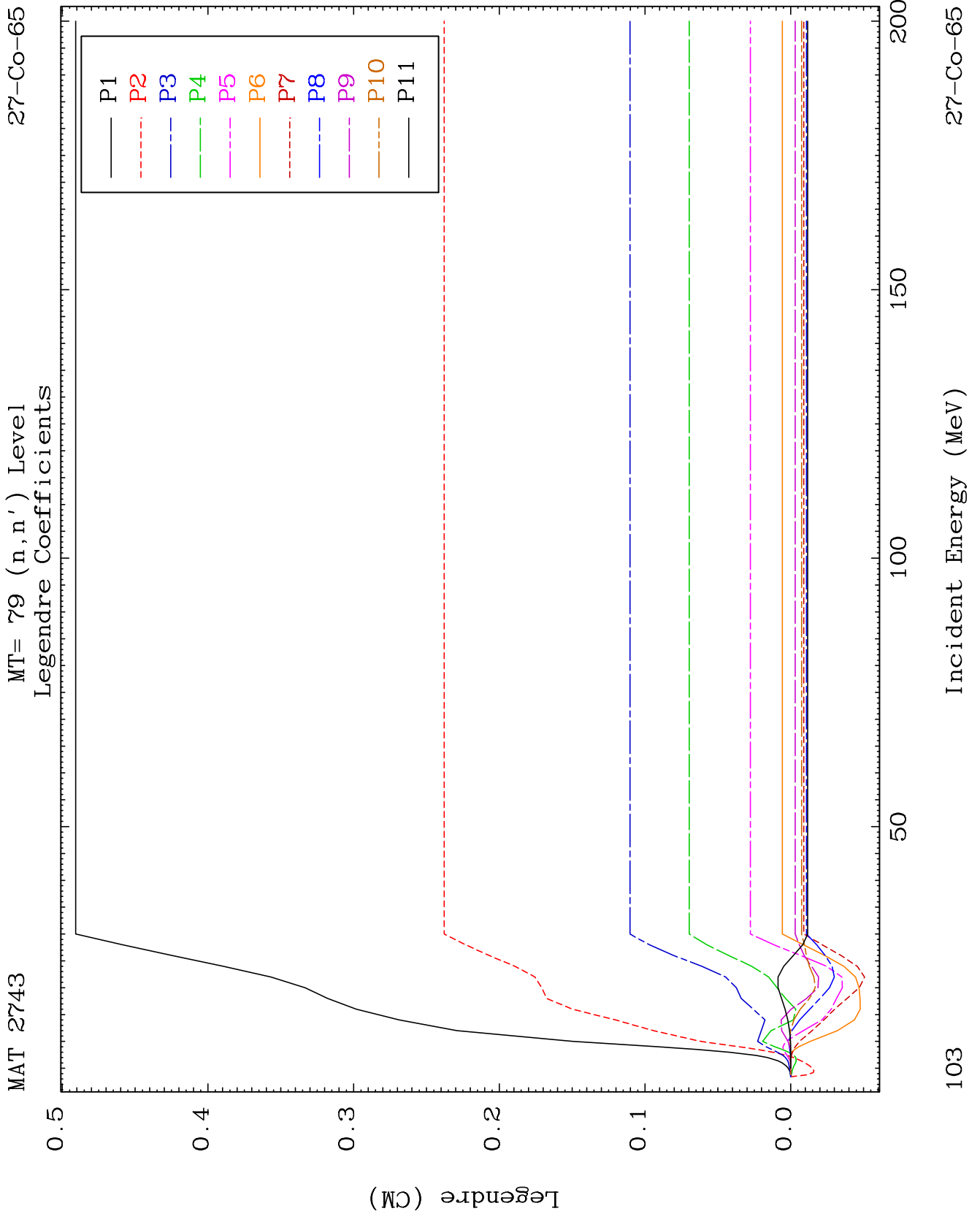
27-Co-65



101

27-Co-65



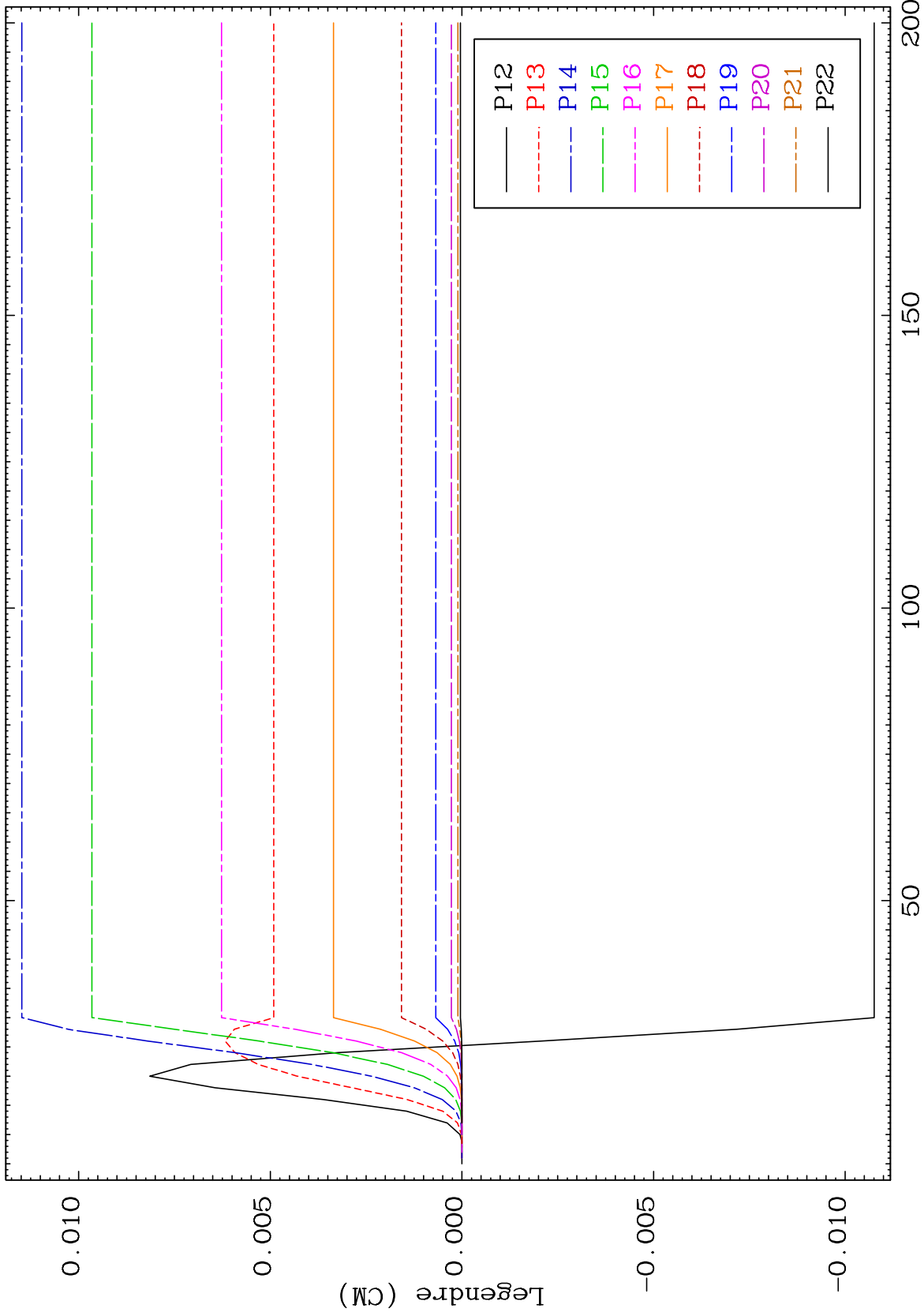




MAT 2743

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

27-Co-65



104

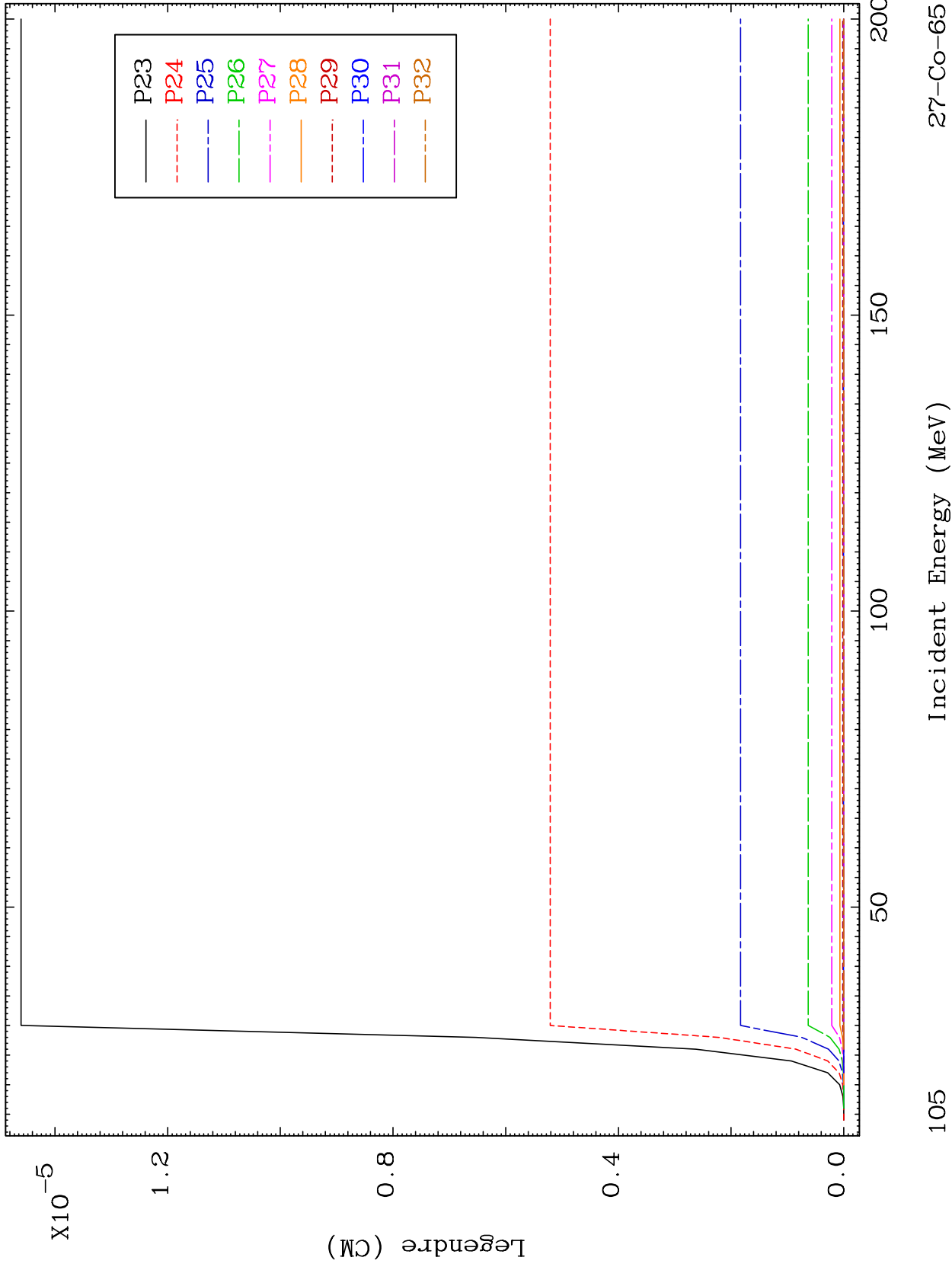
Incident Energy (MeV)

27-Co-65

MAT 2743

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

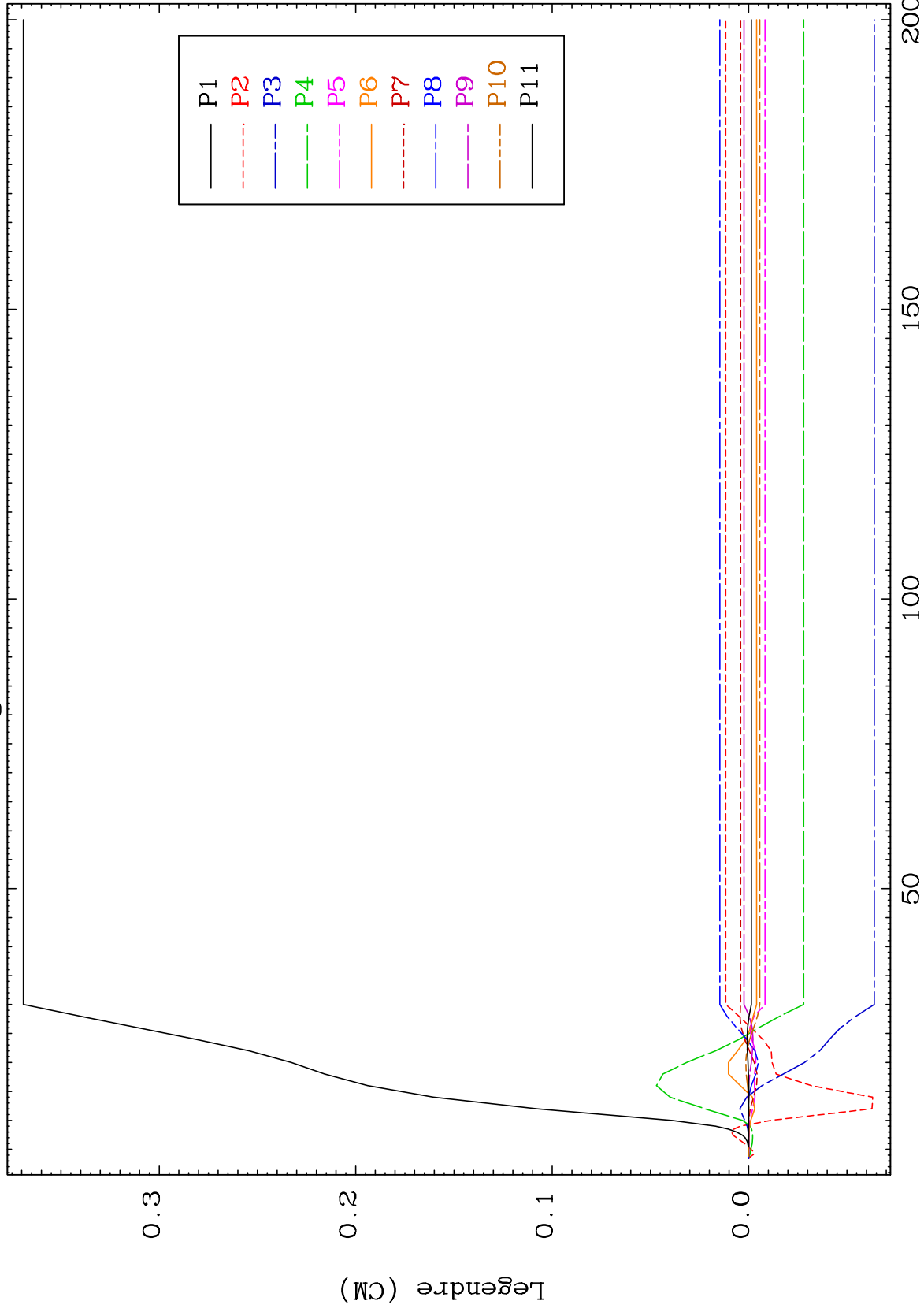
27-Co-65



MAT 2743

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

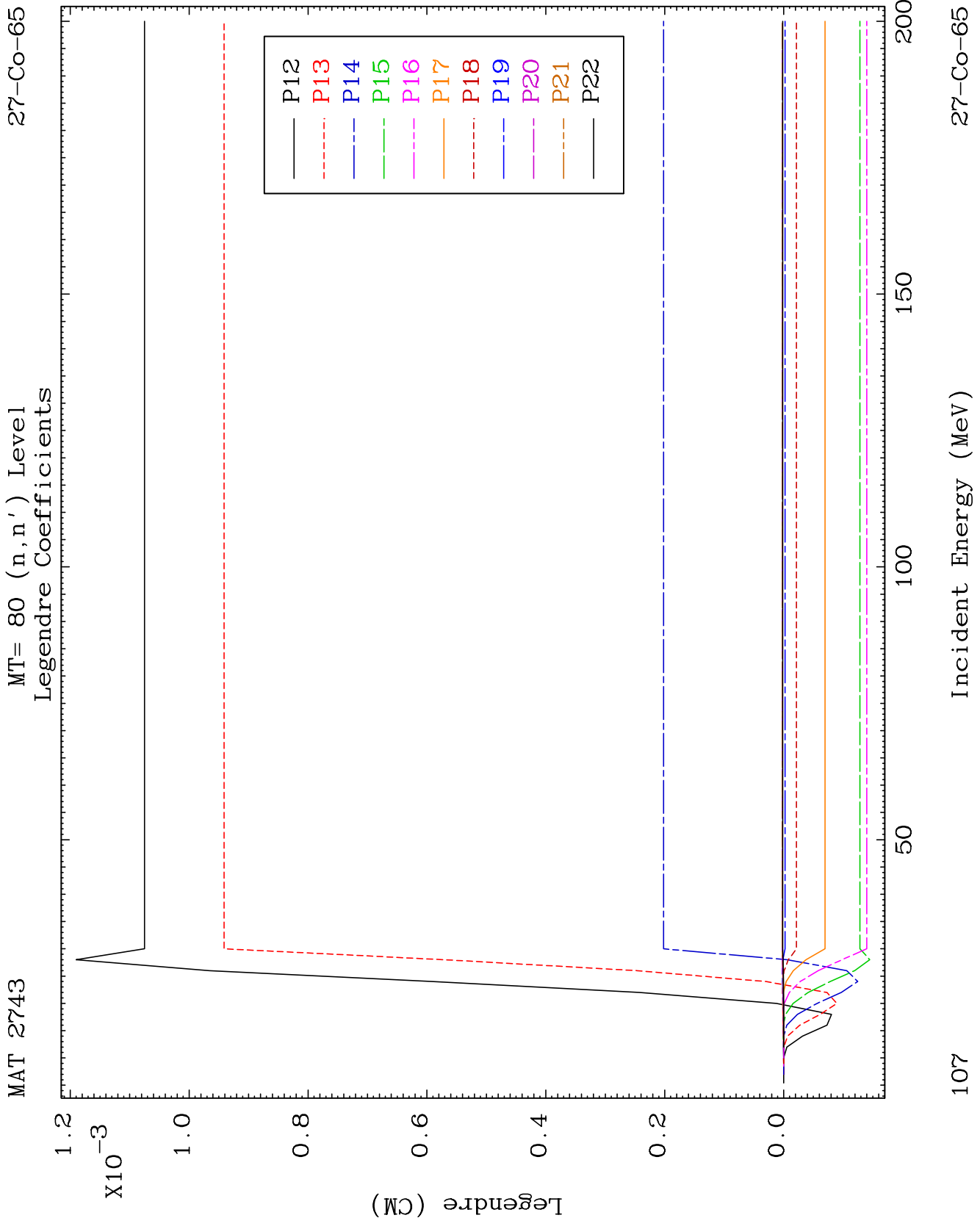
27-Co-65

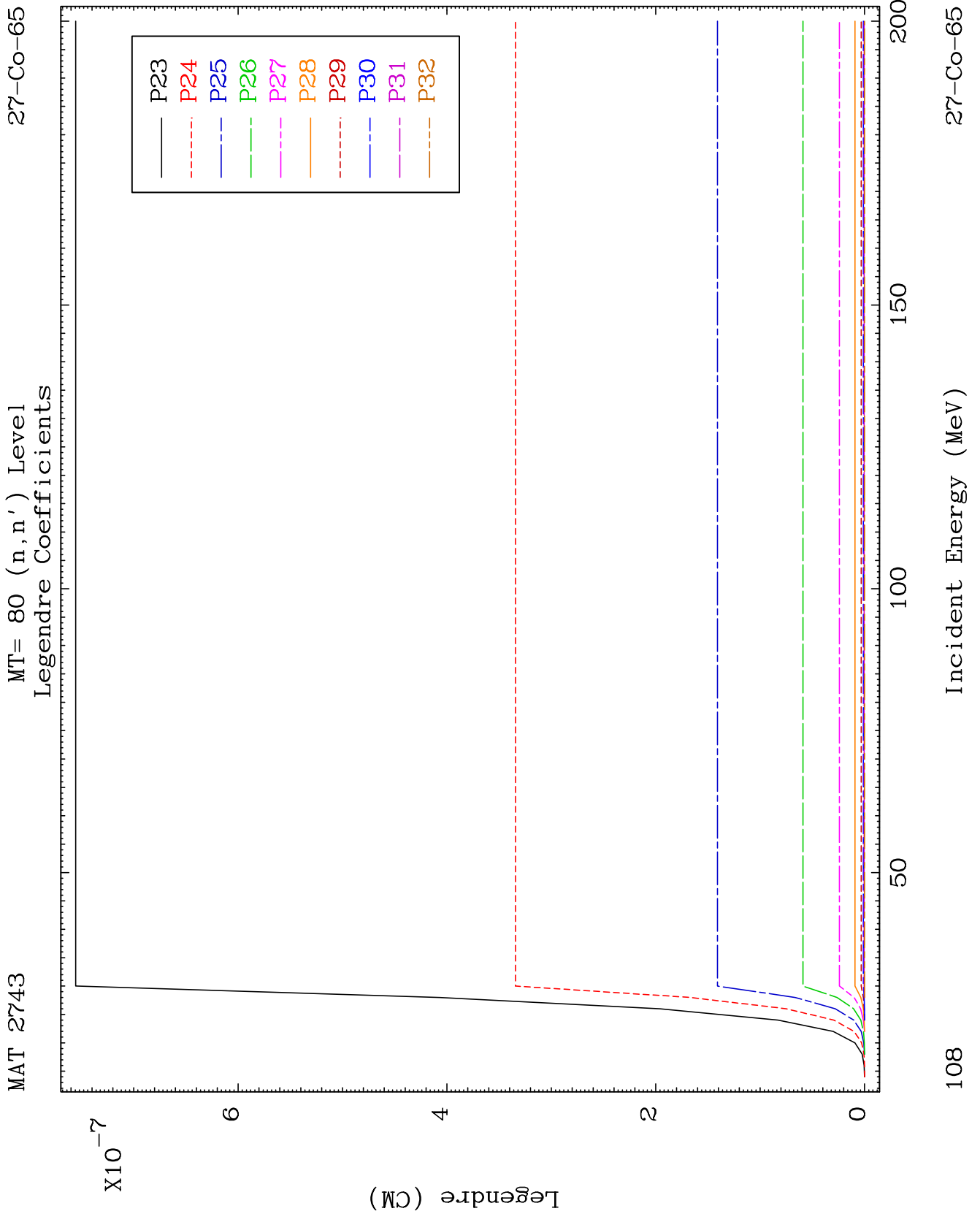


106

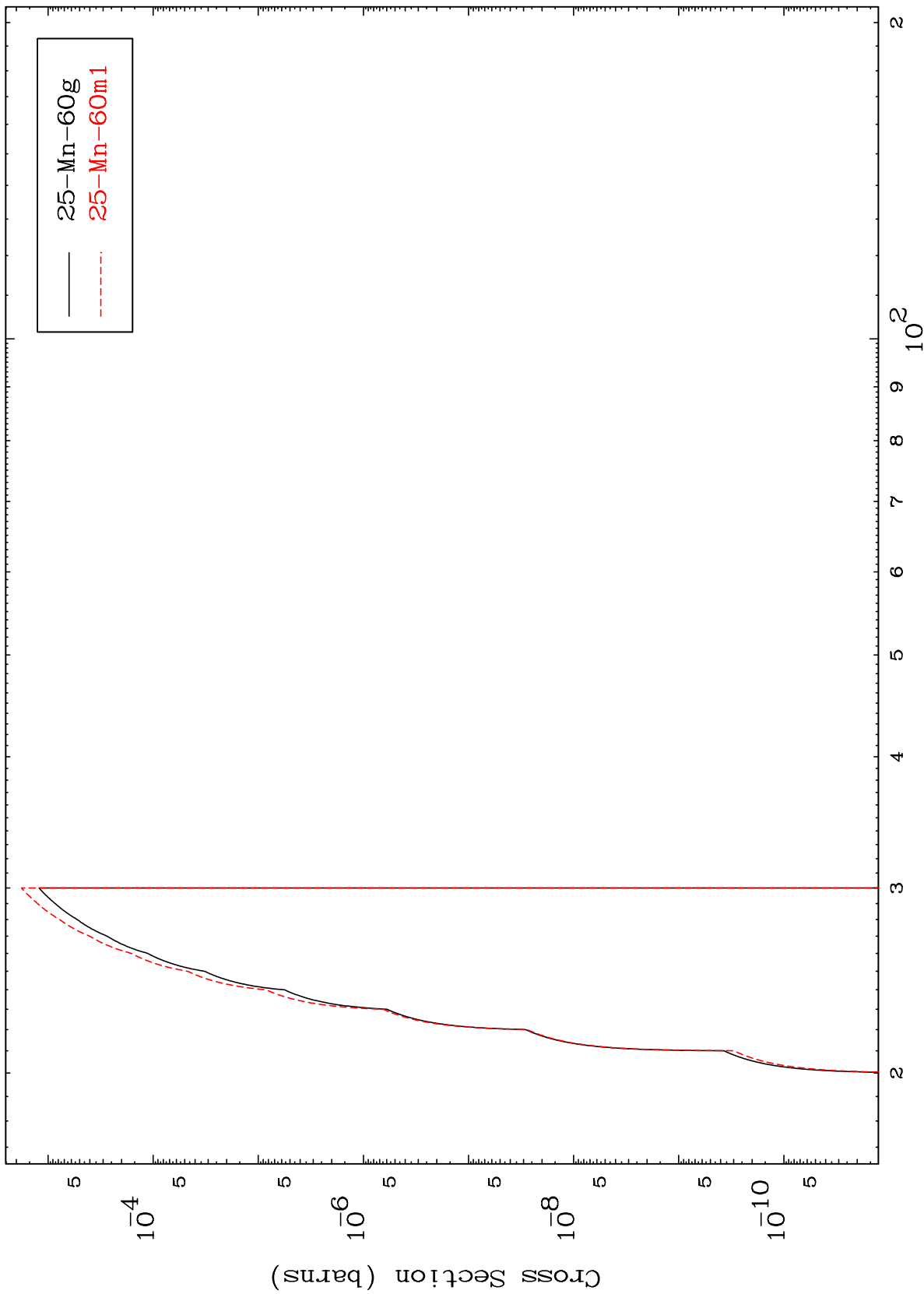
Incident Energy (MeV)

27-Co-65





Radionuclide Production Cross Section

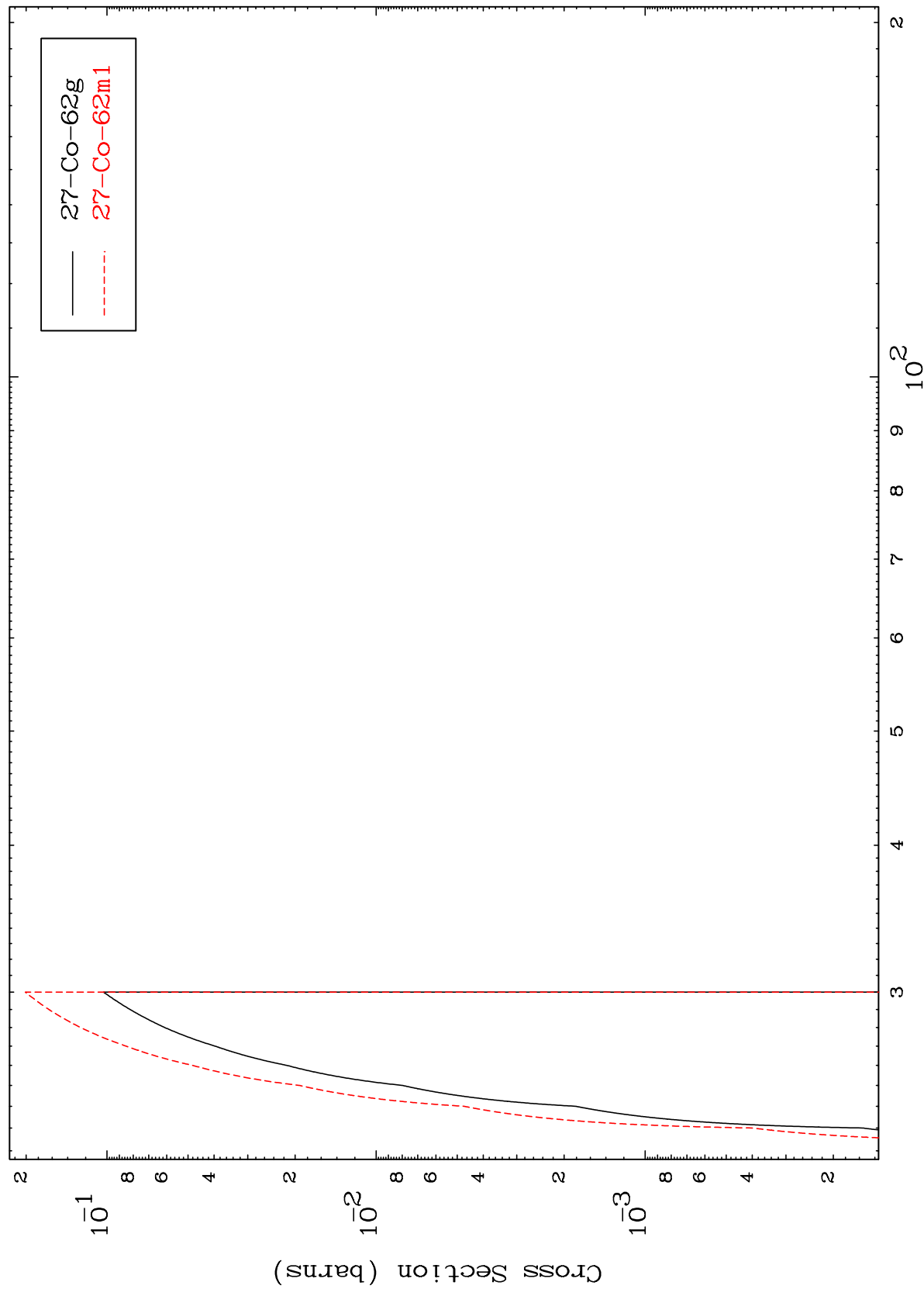


MAT 2743

<sup>27</sup>Co-65

(n,4n)

Radionuclide Production Cross Section



— 27-Co-62g  
- - - 27-Co-62m1

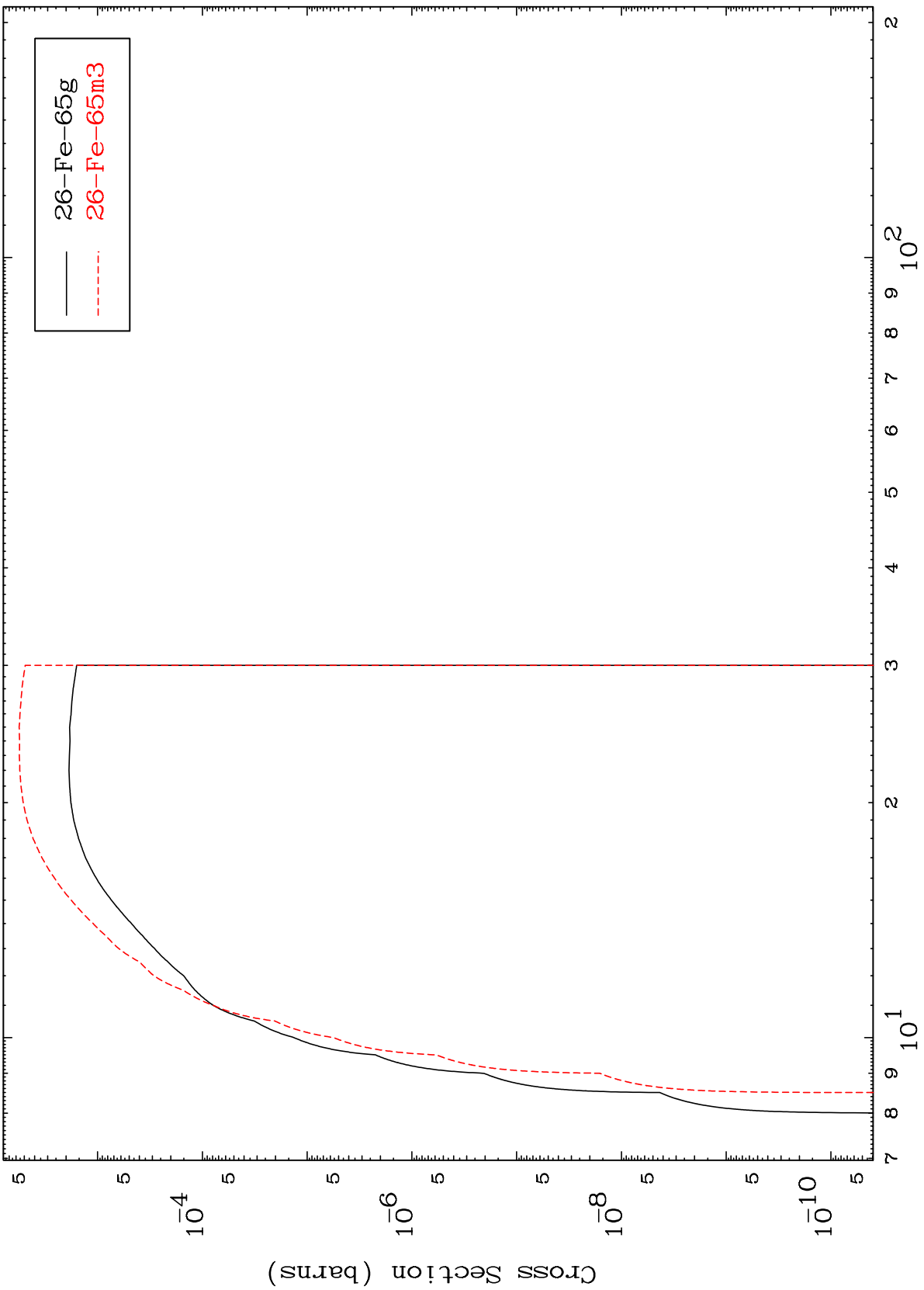
110

<sup>27</sup>Co-65

MAT 2743

27-Co-65

(n,p)  
Radionuclide Production Cross Section



111

Incident Energy (MeV)

27-Co-65