

Program EVALPLOT  
(Version 2018-1)

by

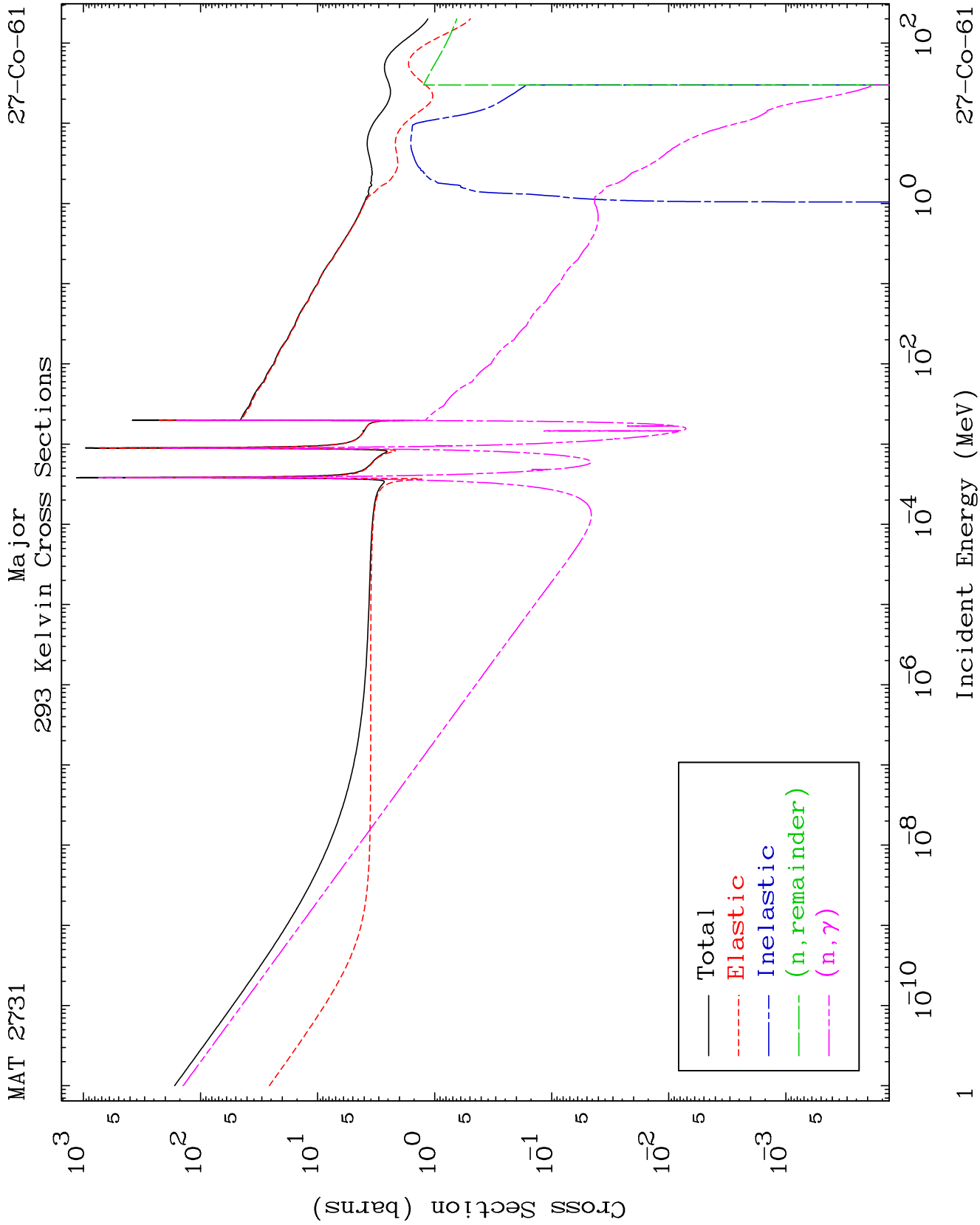
Dermott E. Cullen  
(Present Contact Information)

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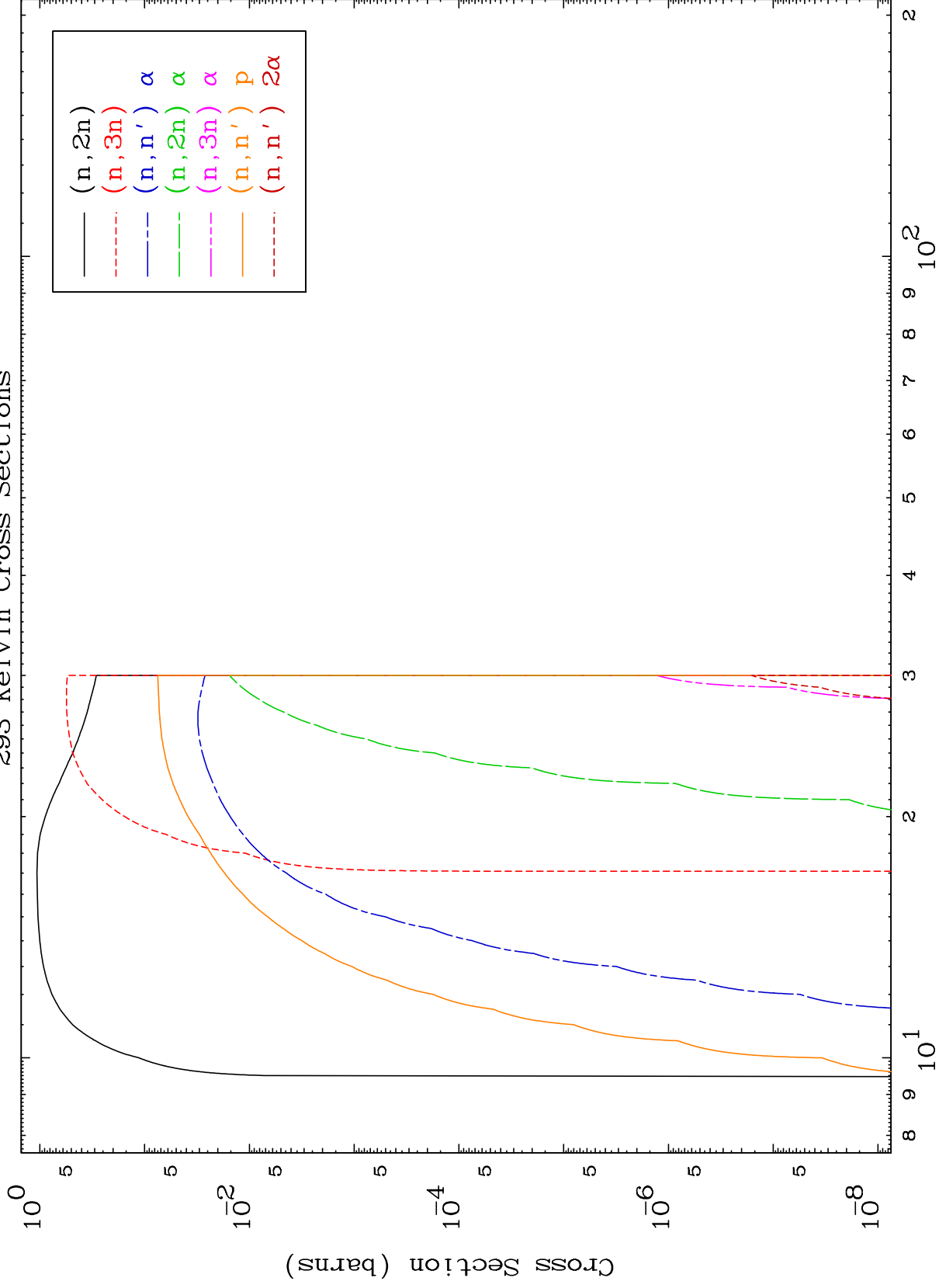
Press Mouse Button to Start



MAT 2731

Neutron Production  
293 Kelvin Cross Sections

27-Co-61



2

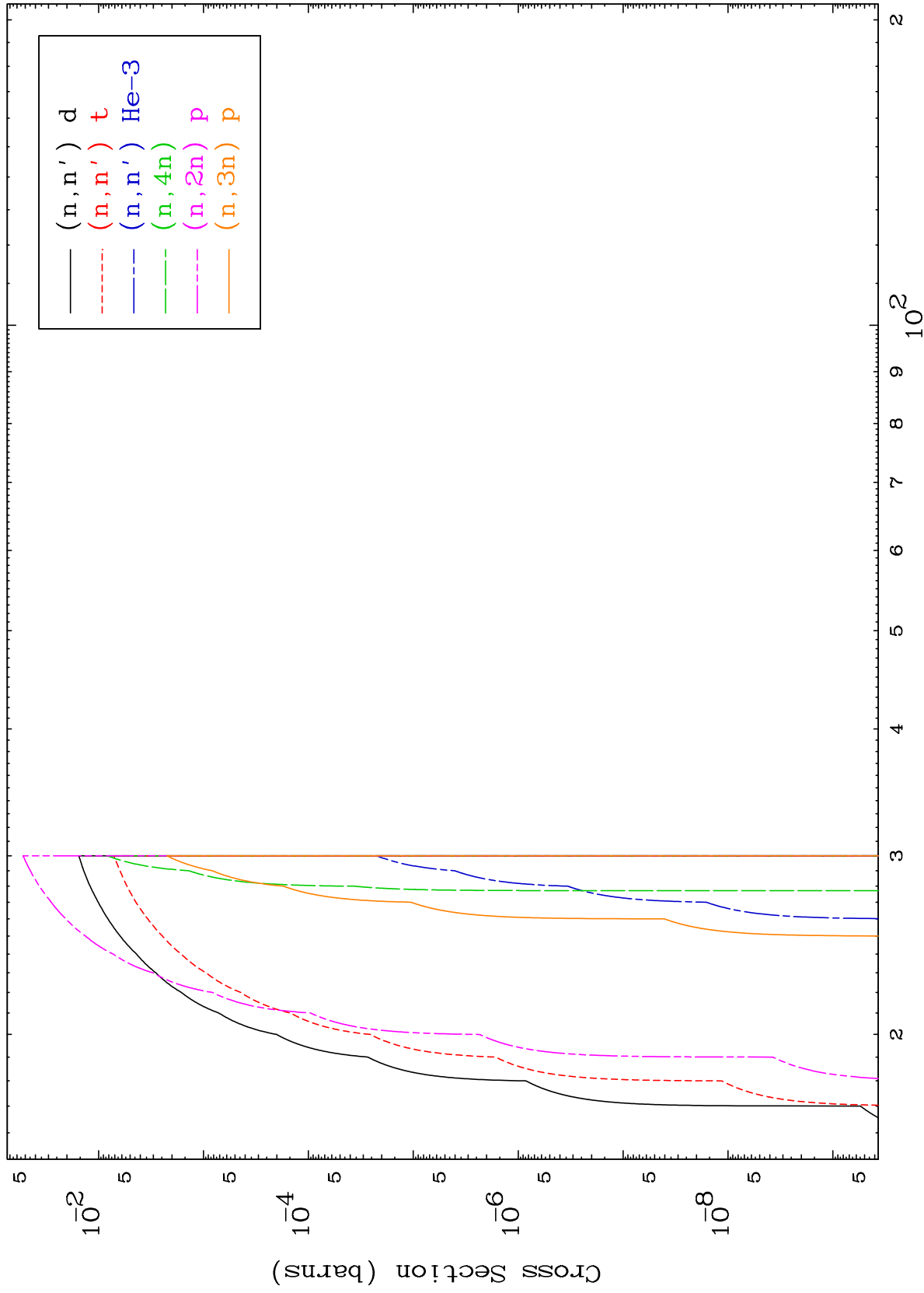
Incident Energy (MeV)

27-Co-61

MAT 2731

Neutron Production  
293 Kelvin Cross Sections

27-Co-61



3

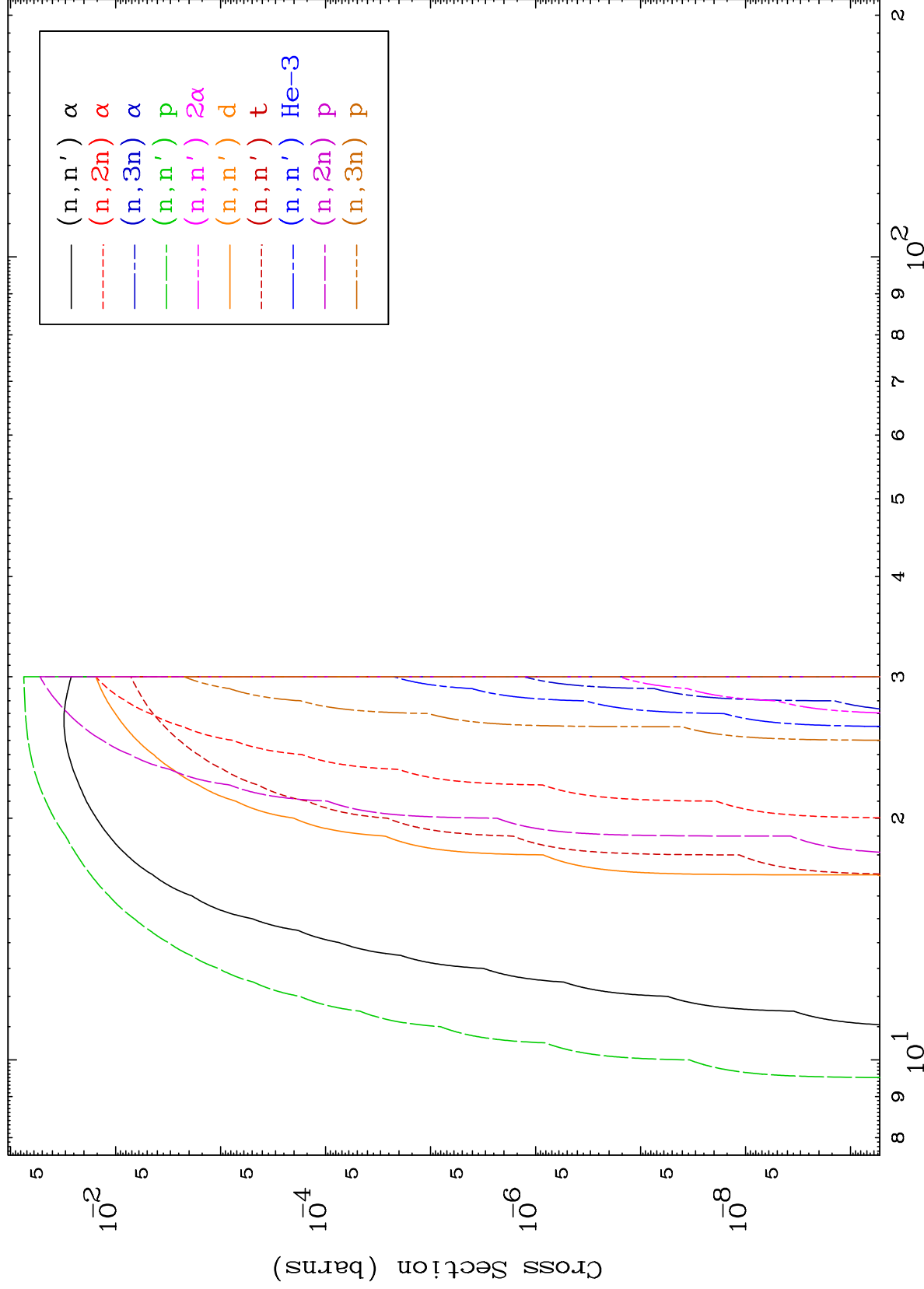
Incident Energy (MeV)

27-Co-61

MAT 2731

Charged Particle  
293 Kelvin Cross Sections

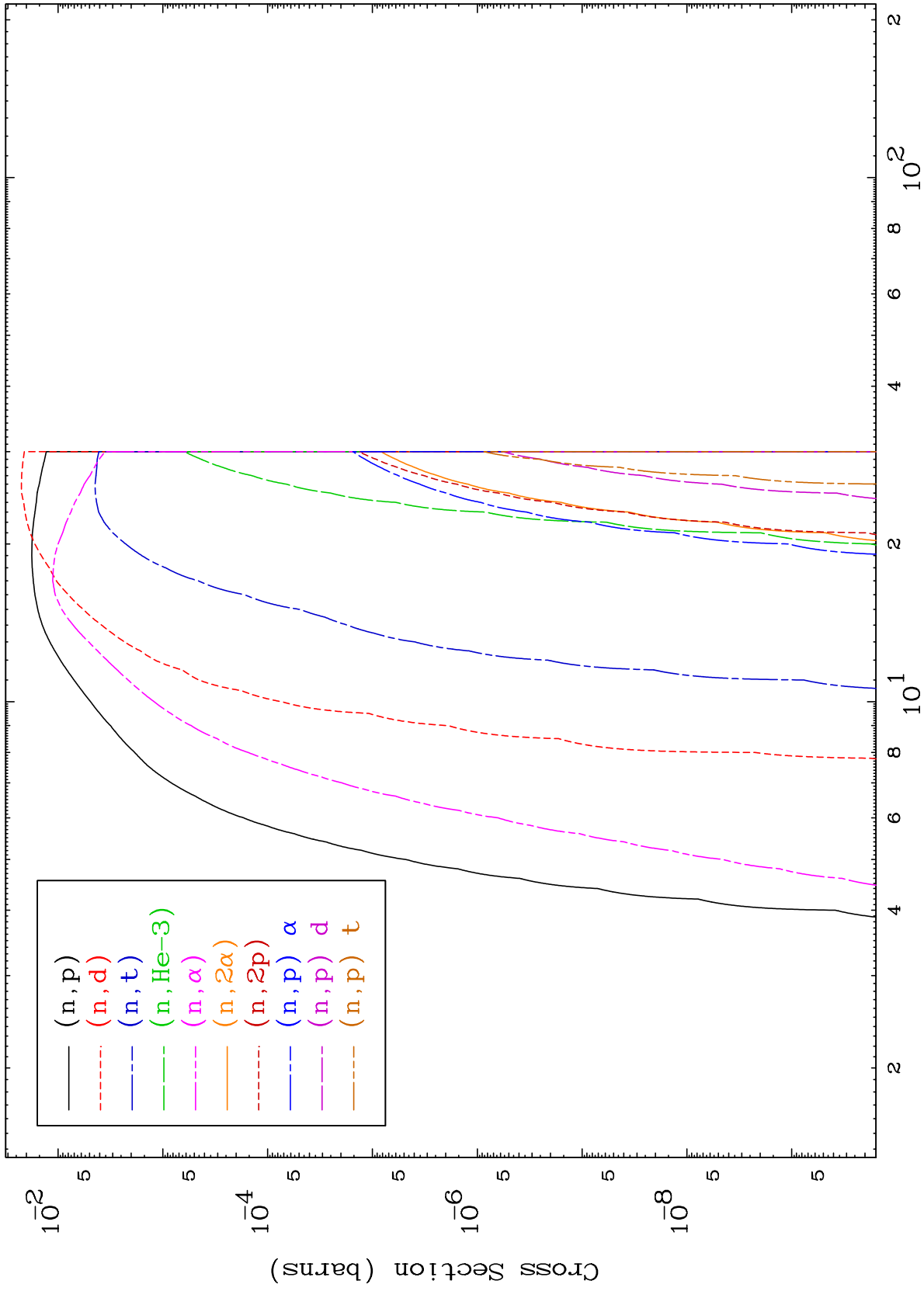
27-Co-61



4

Incident Energy (MeV)

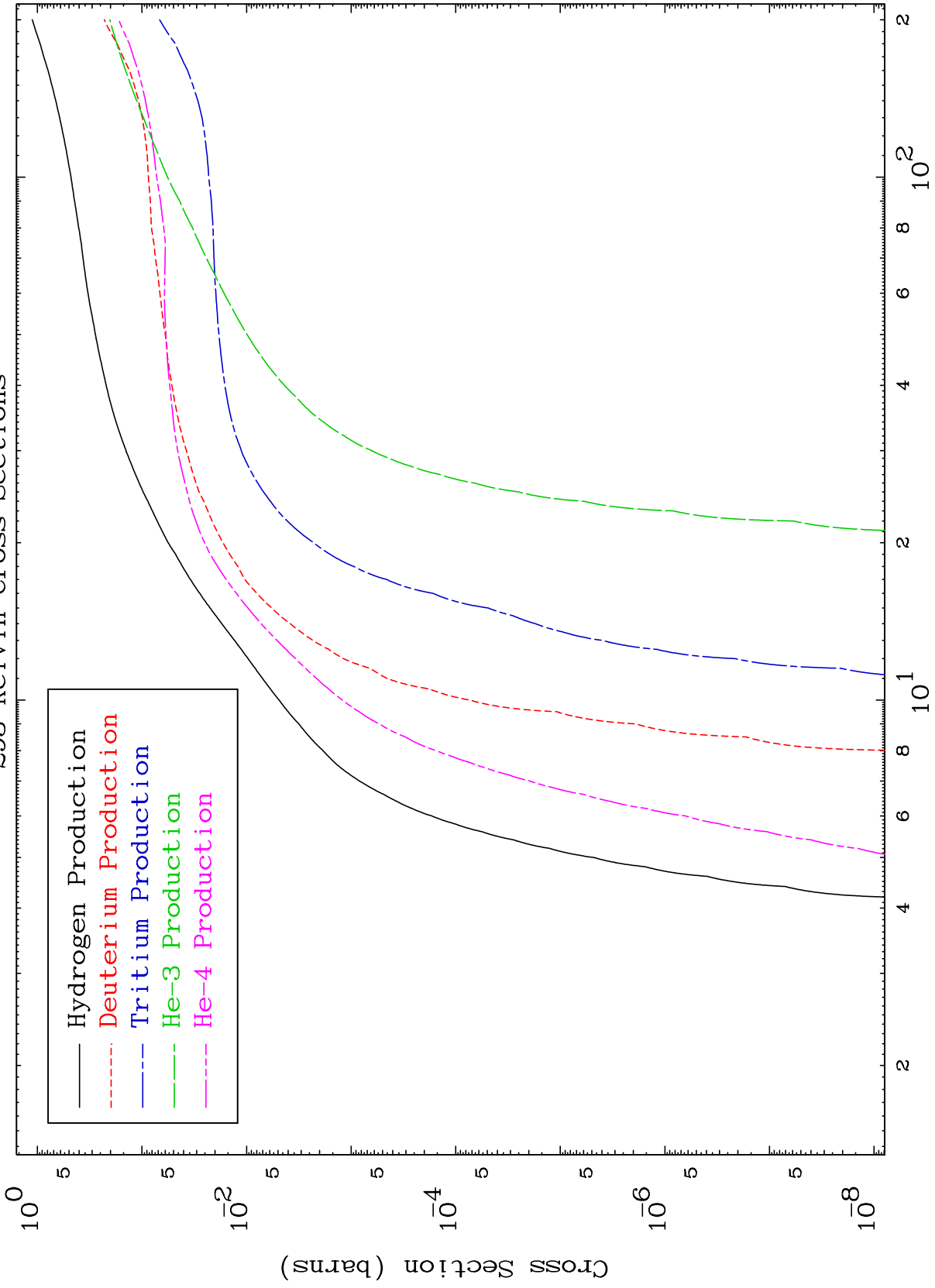
27-Co-61



MAT 2731

Particle Production  
293 Kelvin Cross Sections

27-Co-61



6

Incident Energy (MeV)

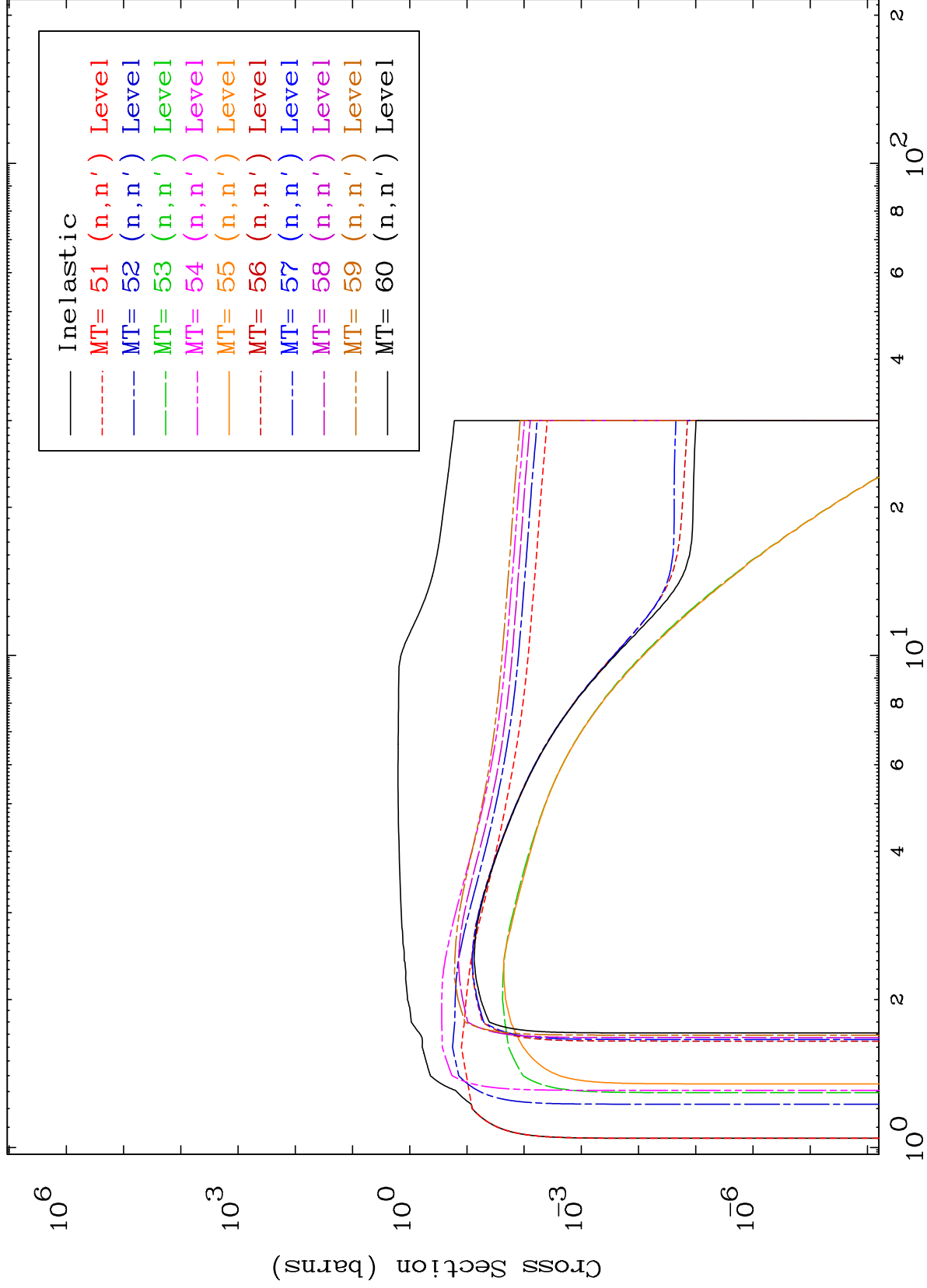
27-Co-61

MAT 2731

(n,n') Level

27-Co-61

293 Kelvin Cross Sections



Incident Energy (MeV)

27-Co-61

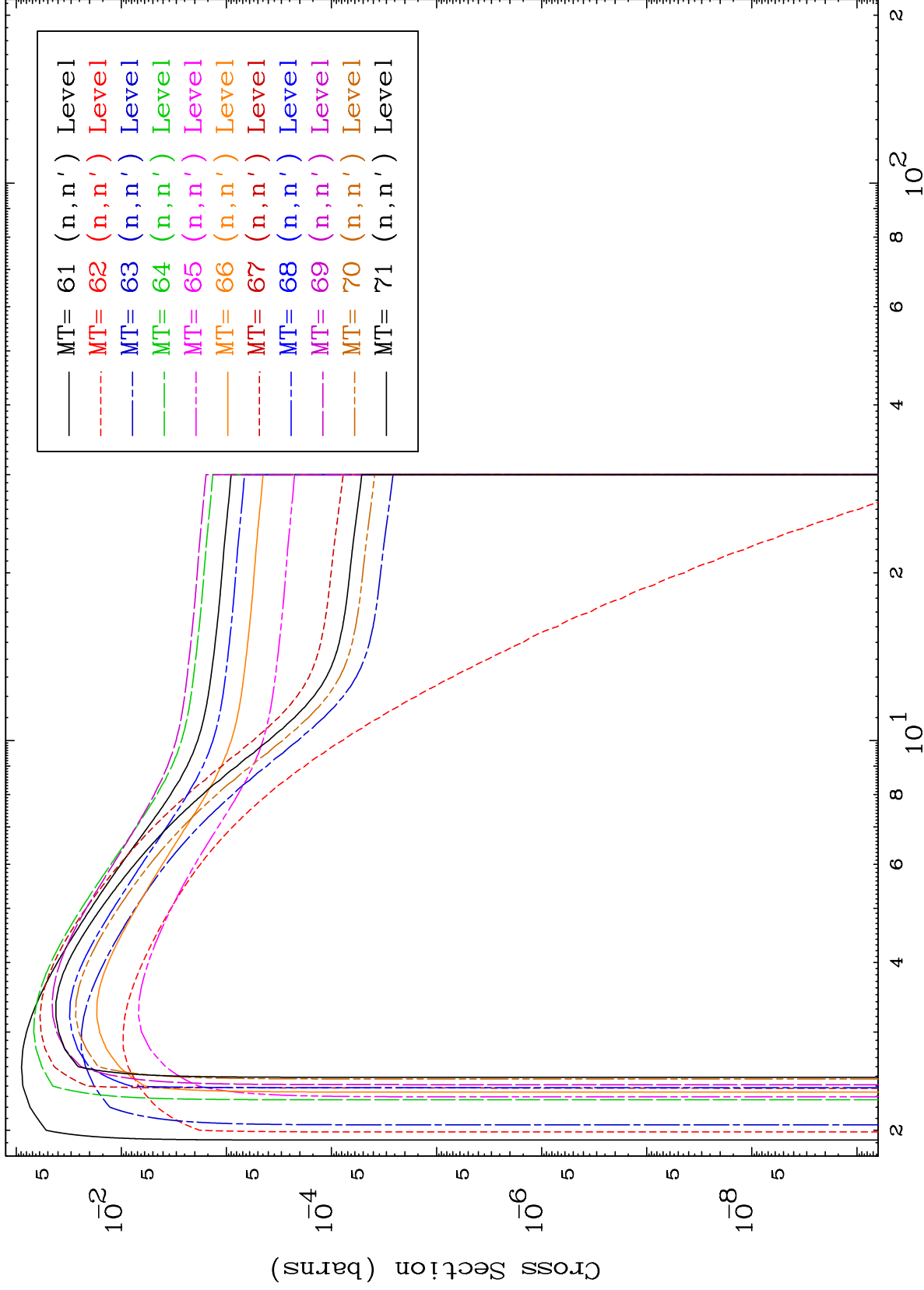


MAT 2731

(n,n') Level

27-Co-61

293 Kelvin Cross Sections



8

Incident Energy (MeV)

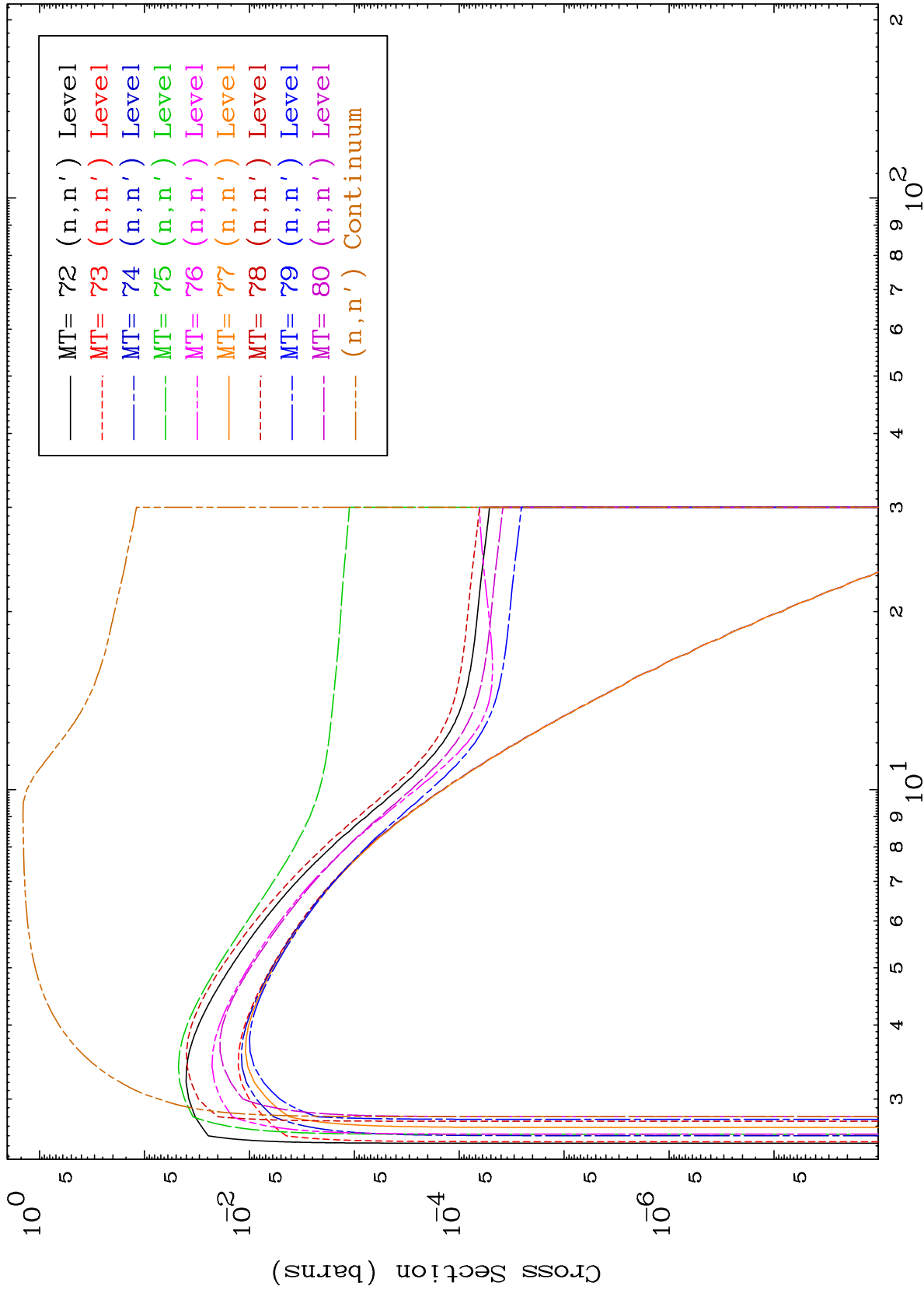
27-Co-61

MAT 2731

(n,n') Level

27-Co-61

293 Kelvin Cross Sections



9

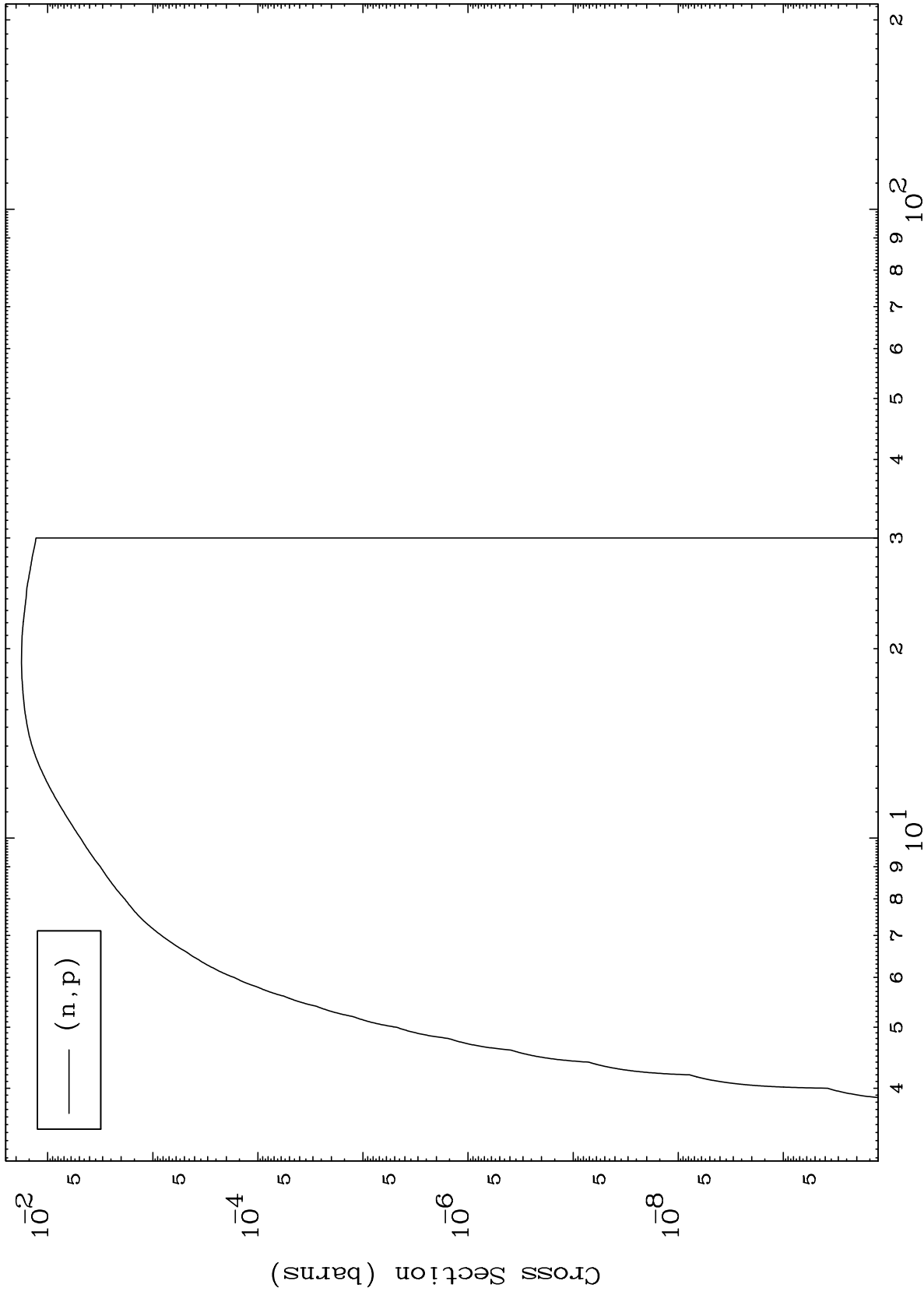
Incident Energy (MeV)

27-Co-61

MAT 2731

(n,p) Levels  
293 Kelvin Cross Sections

27-Co-61



10

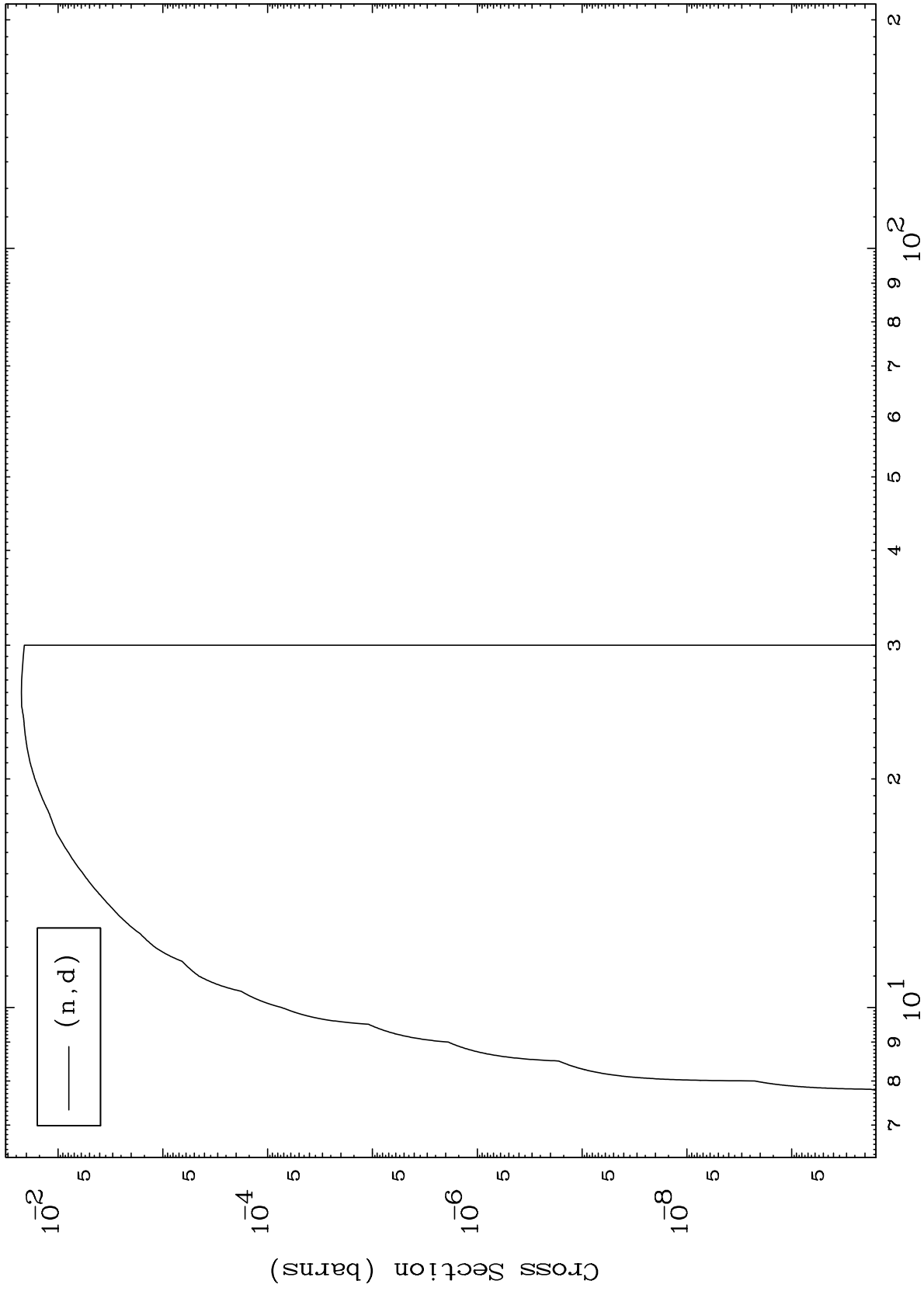
Incident Energy (MeV)

27-Co-61

MAT 2731

(n,d) Levels  
293 Kelvin Cross Sections

27-Co-61



11

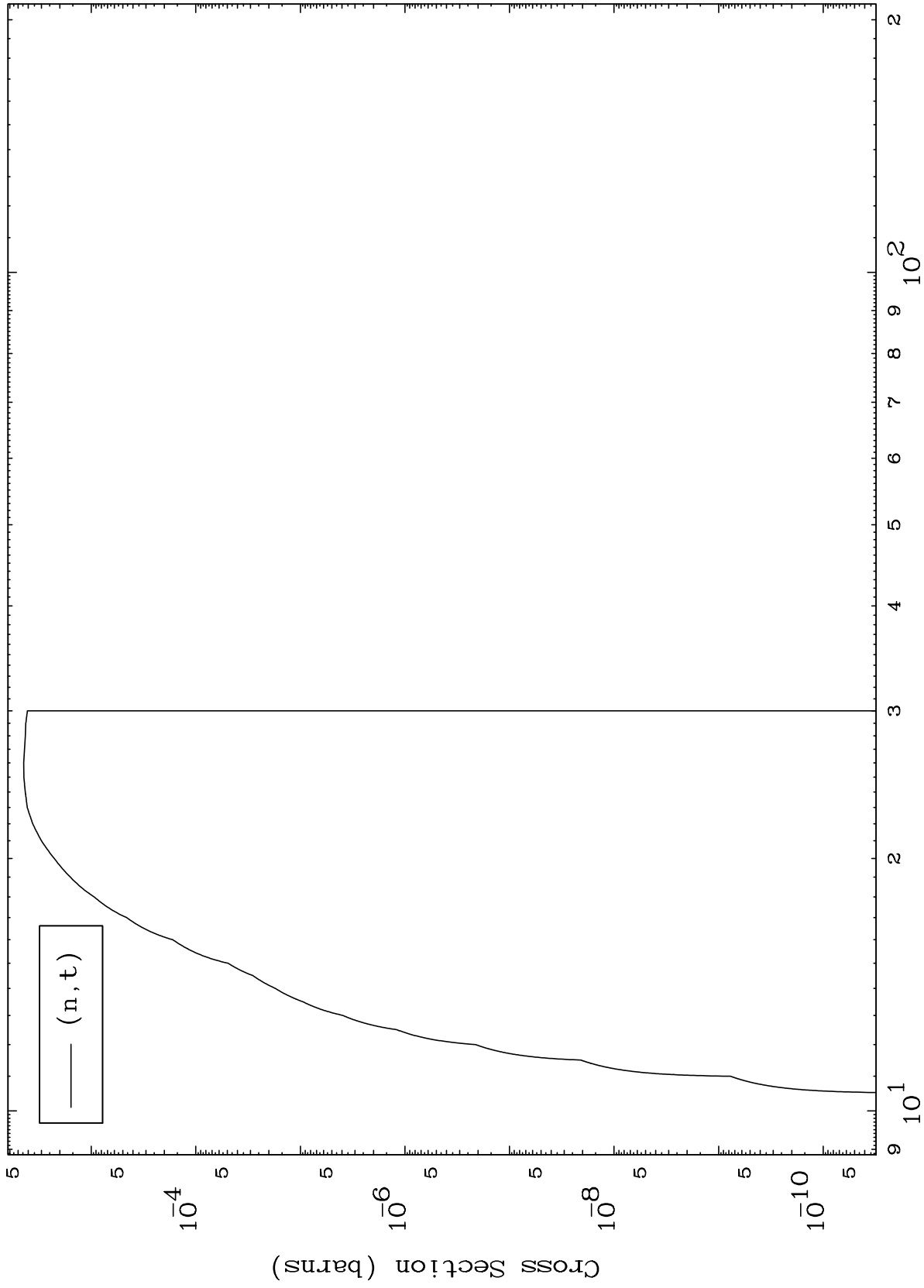
Incident Energy (MeV)

27-Co-61

MAT 2731

(n,t) Levels  
293 Kelvin Cross Sections

27-Co-61



12

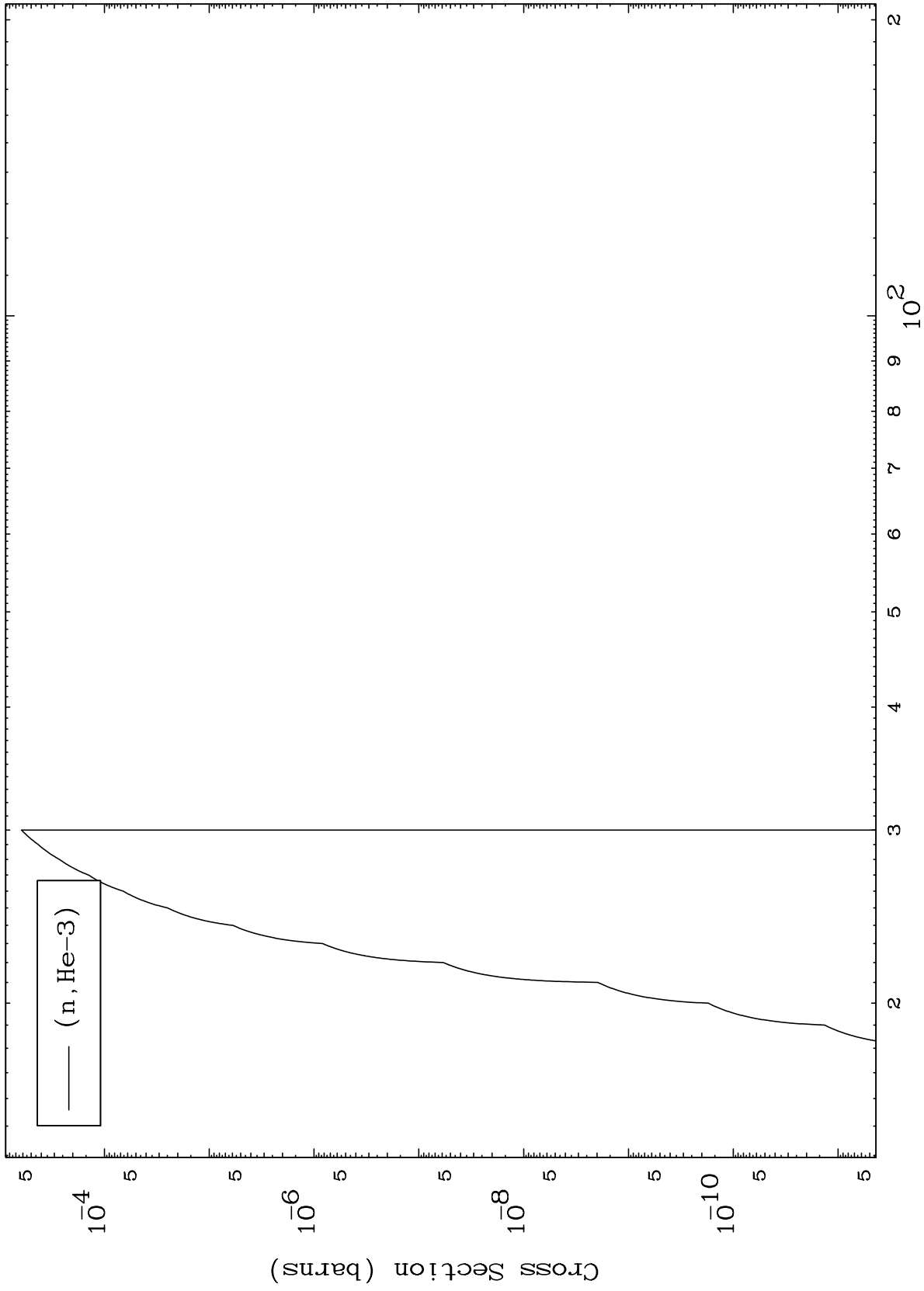
Incident Energy (MeV)

27-Co-61

MAT 2731

(n,He3) Levels  
293 Kelvin Cross Sections

27-Co-61



13

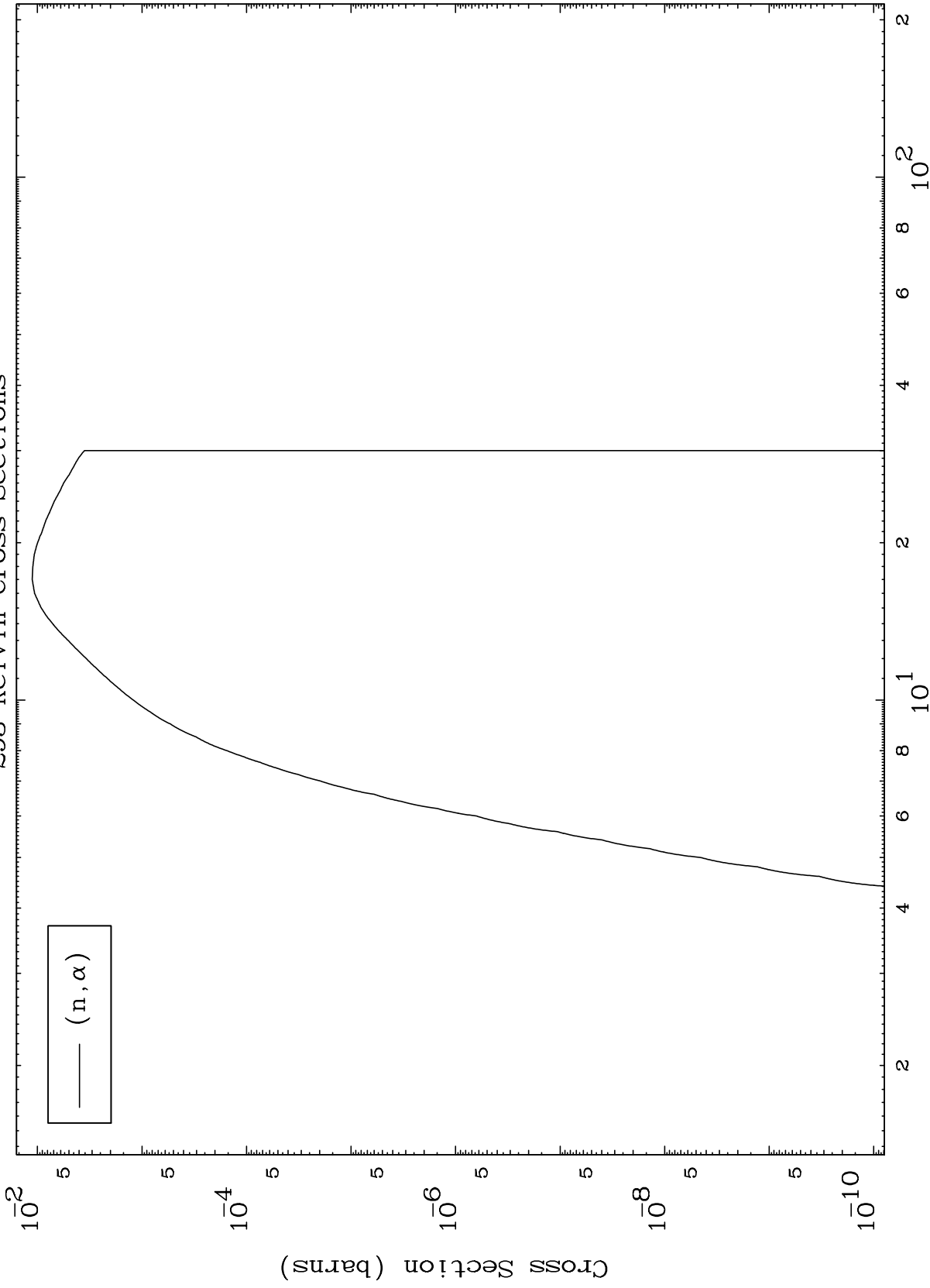
Incident Energy (MeV)

27-Co-61

MAT 2731

(n,α) Levels  
293 Kelvin Cross Sections

27-Co-61

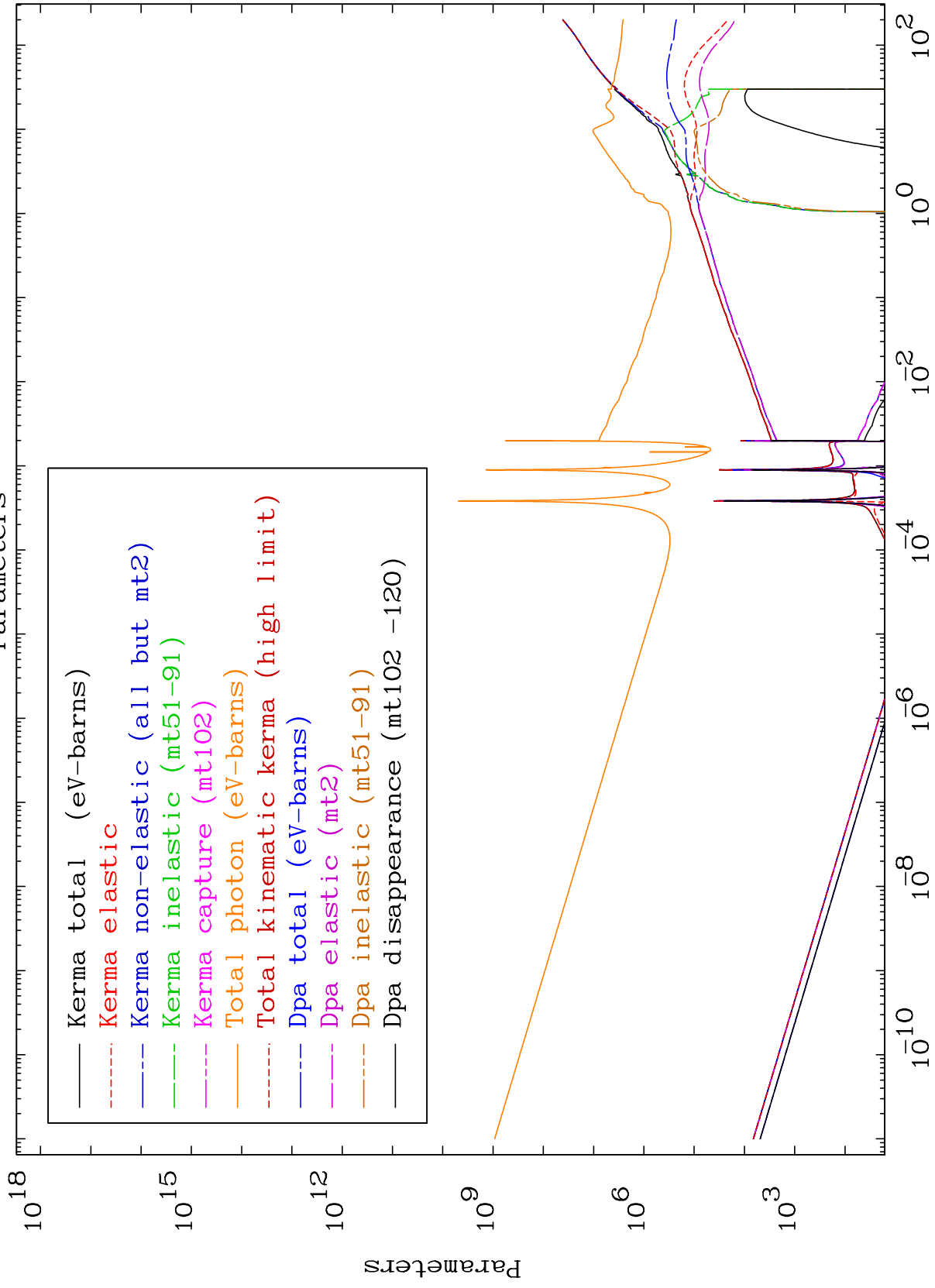


(n,α)

14

Incident Energy (MeV)

27-Co-61

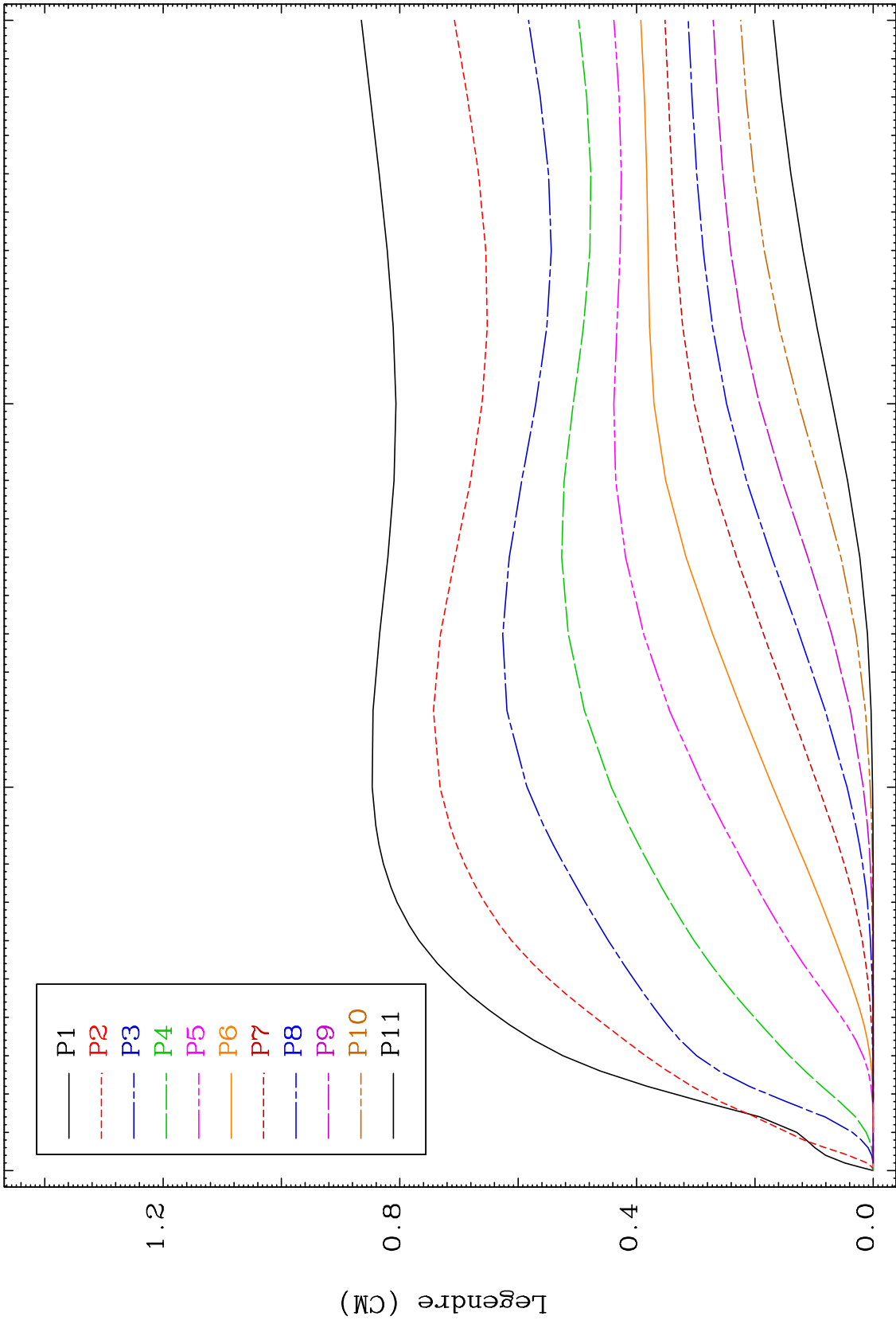




MAT 2731

Elastic Legendre Coefficients

27-Co-61



0

16

10

20

30

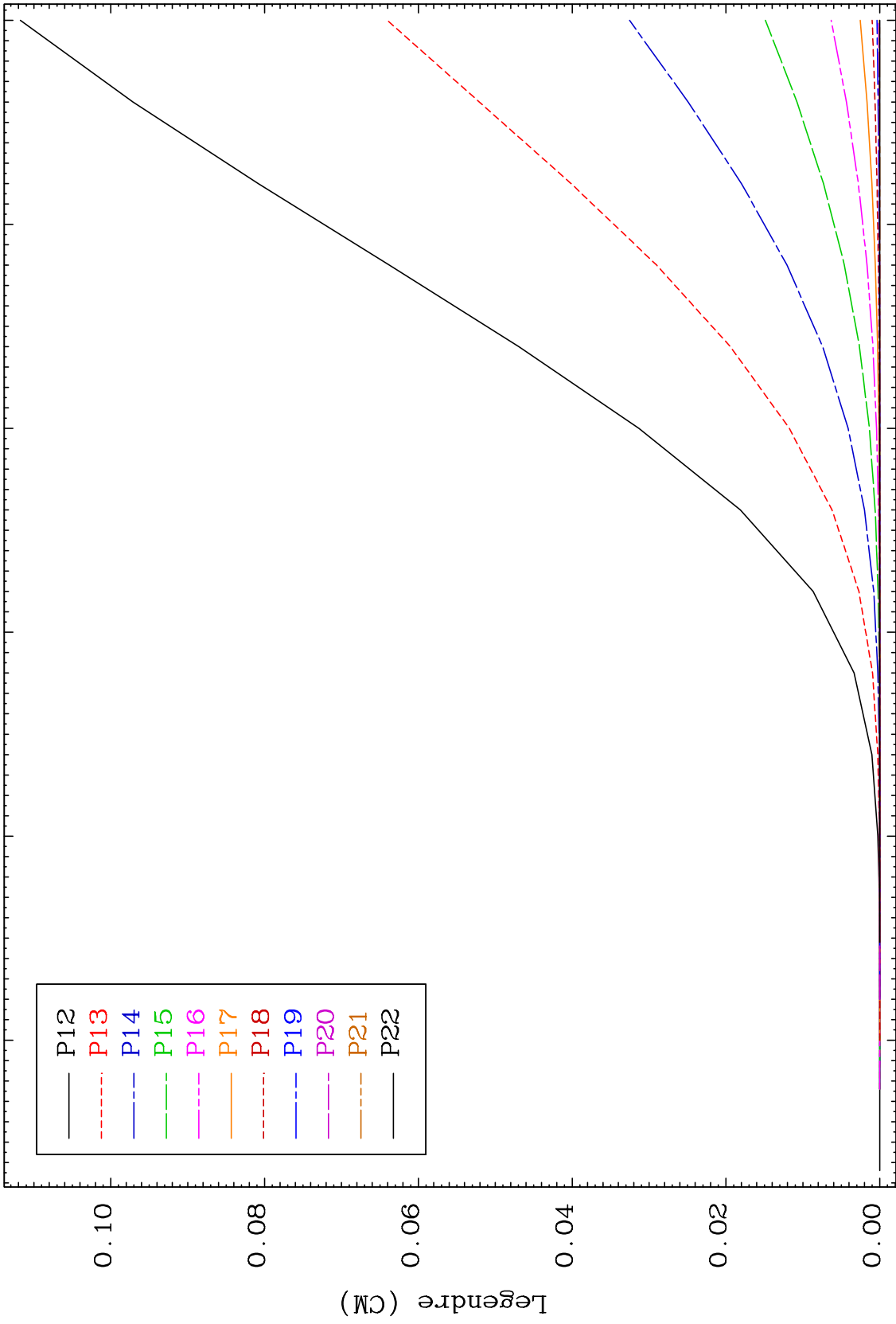
Incident Energy (MeV)

27-Co-61

MAT 2731

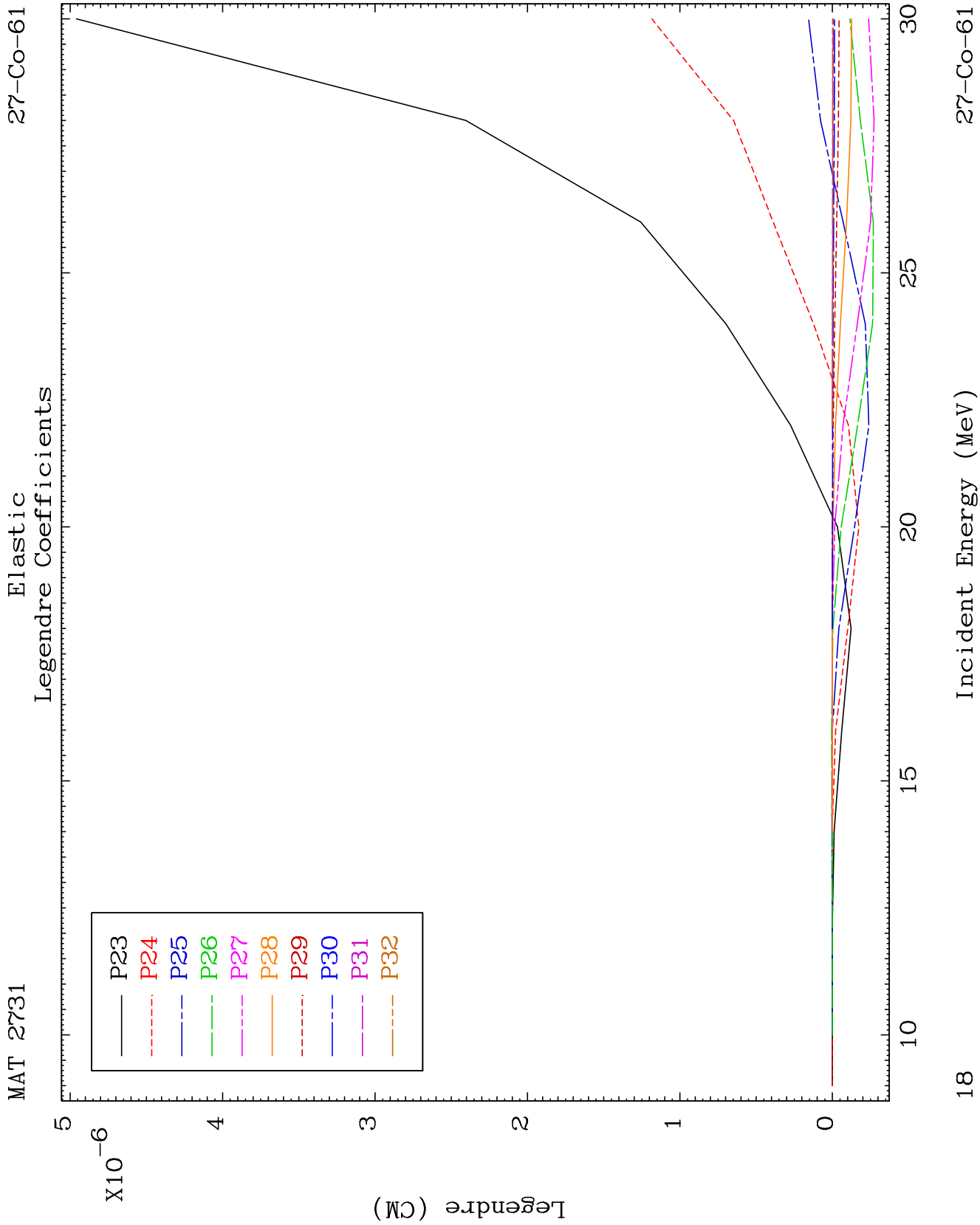
Elastic Legendre Coefficients

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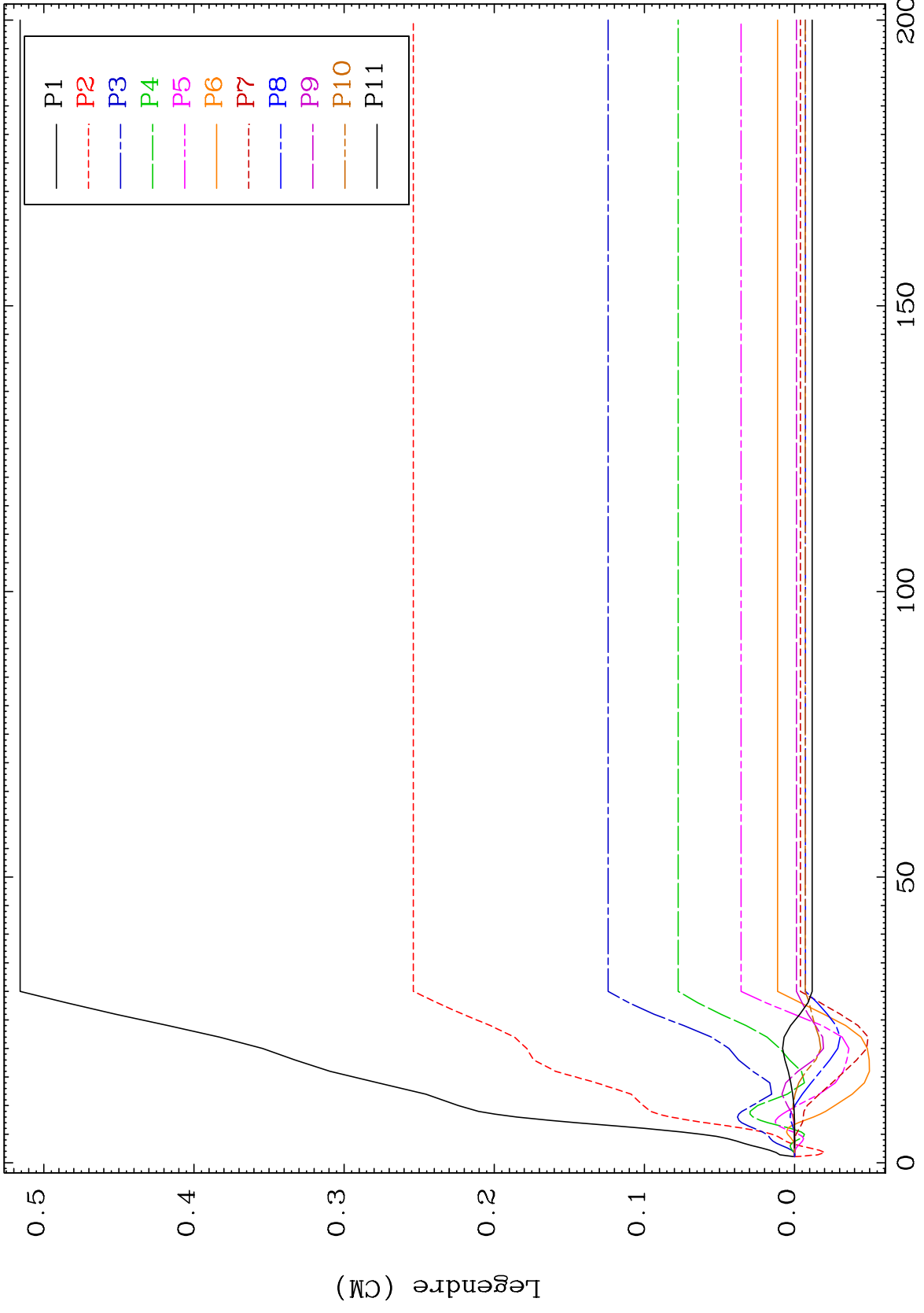


17

27-Co-61

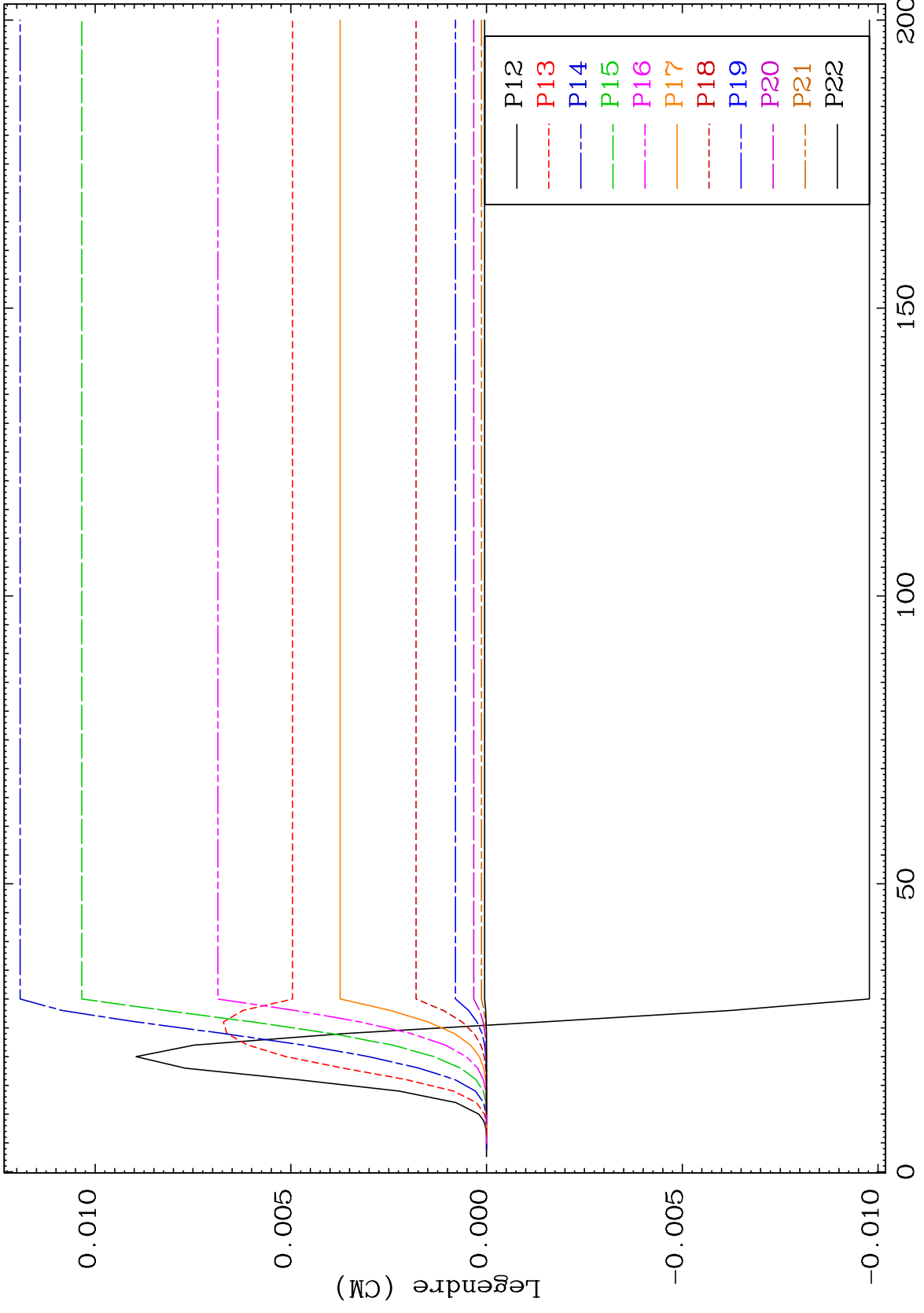


MAT 2731 MT= 51 (n,n') Level Legendre Coefficients 27-Co-61



19 Incident Energy (MeV) 27-Co-61

MAT 2731 MT= 51 (n,n') Level Legendre Coefficients 27-Co-61

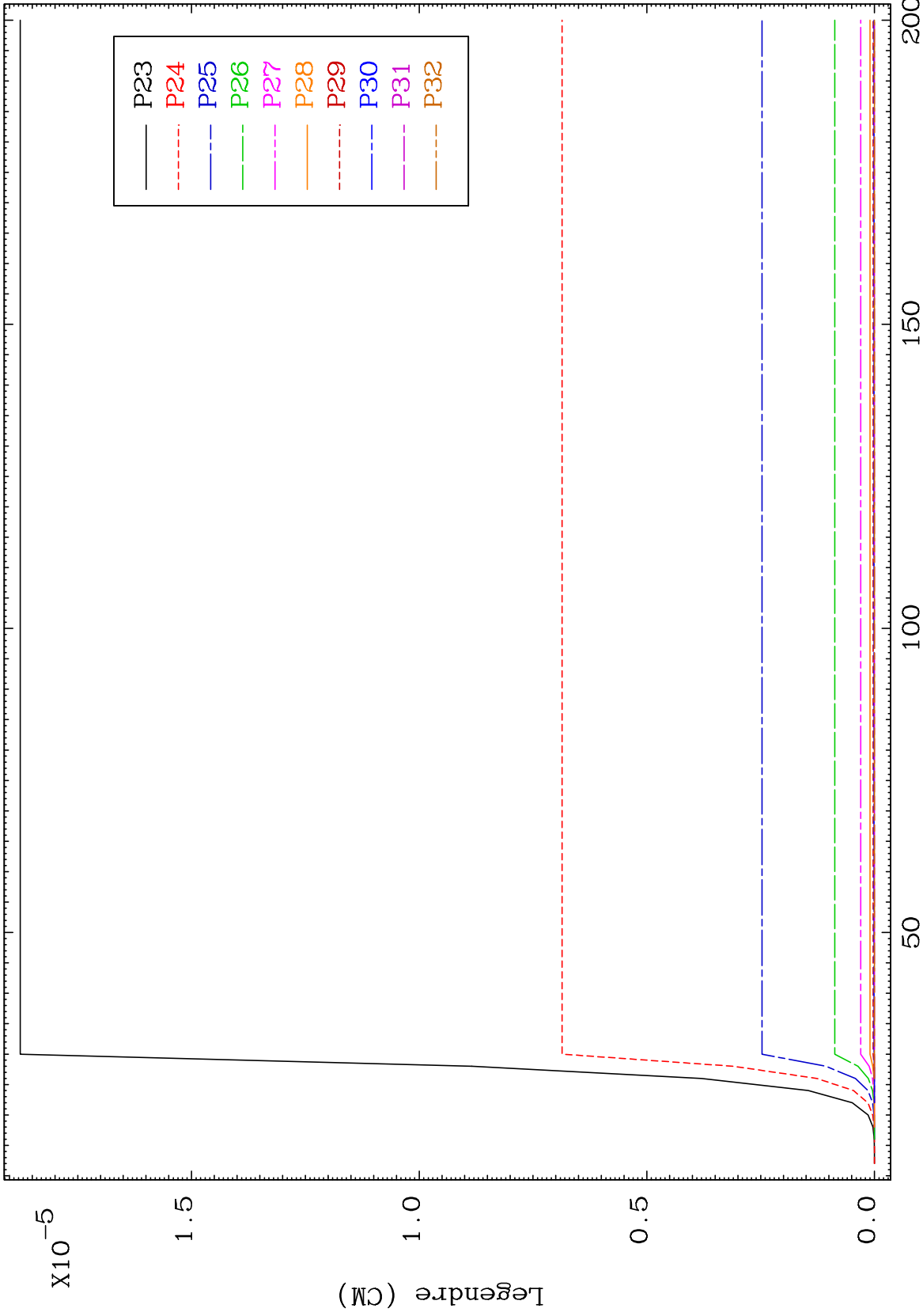


27-Co-61 Incident Energy (MeV)

MAT 2731

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

27-Co-61



21

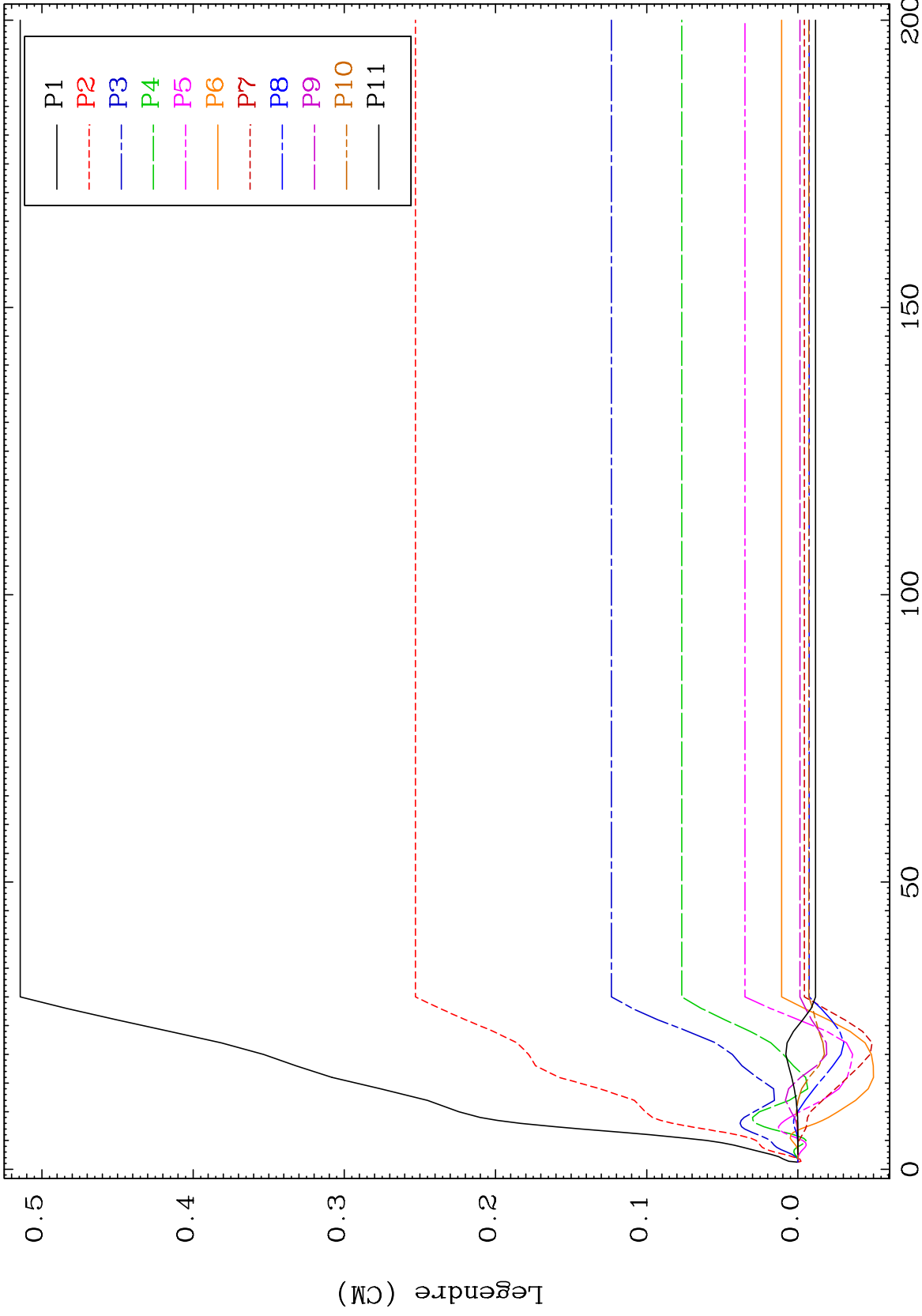
Incident Energy (MeV)

27-Co-61

MAT 2731

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

27-Co-61



22

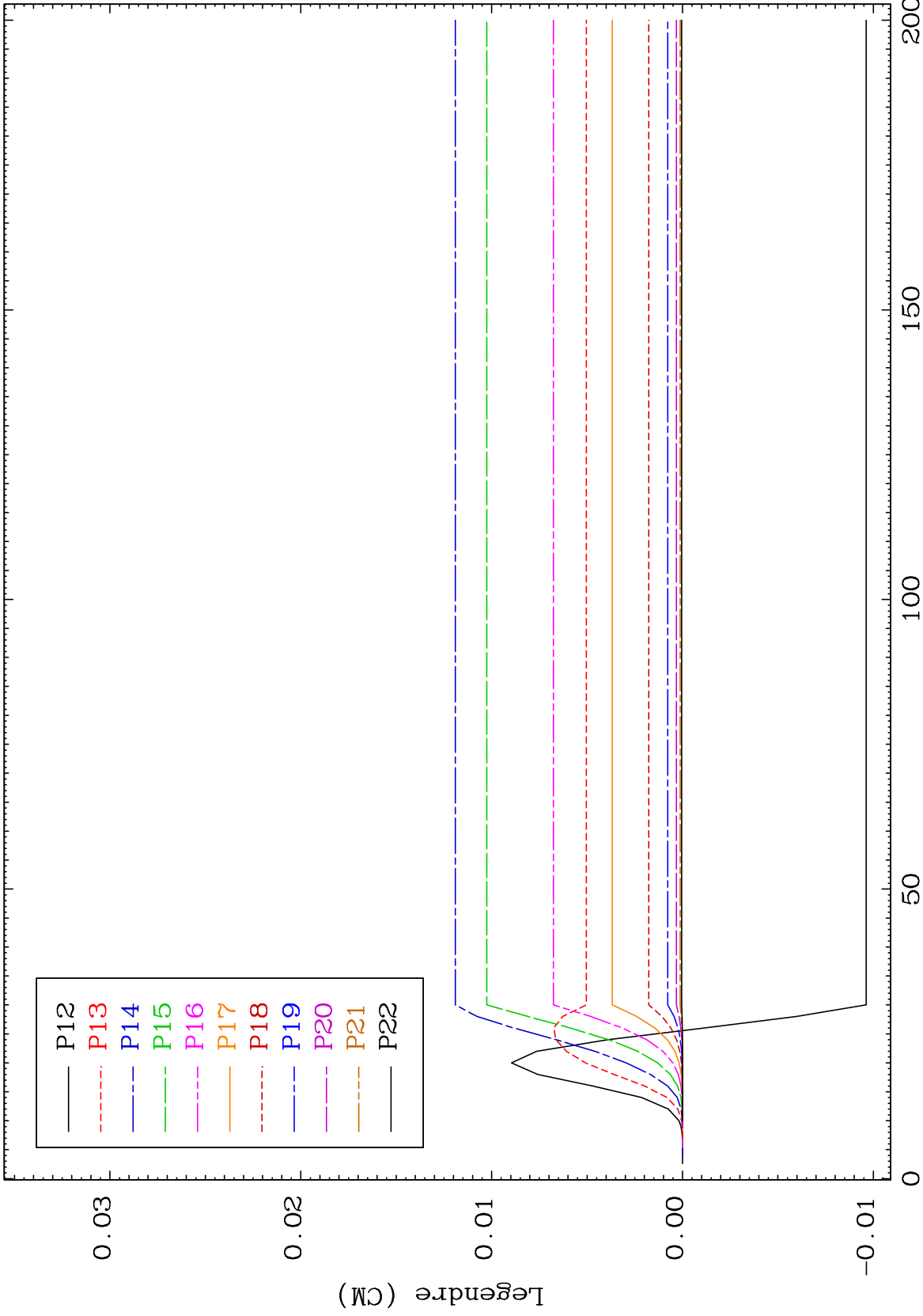
Incident Energy (MeV)

27-Co-61

MAT 2731

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

27-Co-61



23

Incident Energy (MeV)

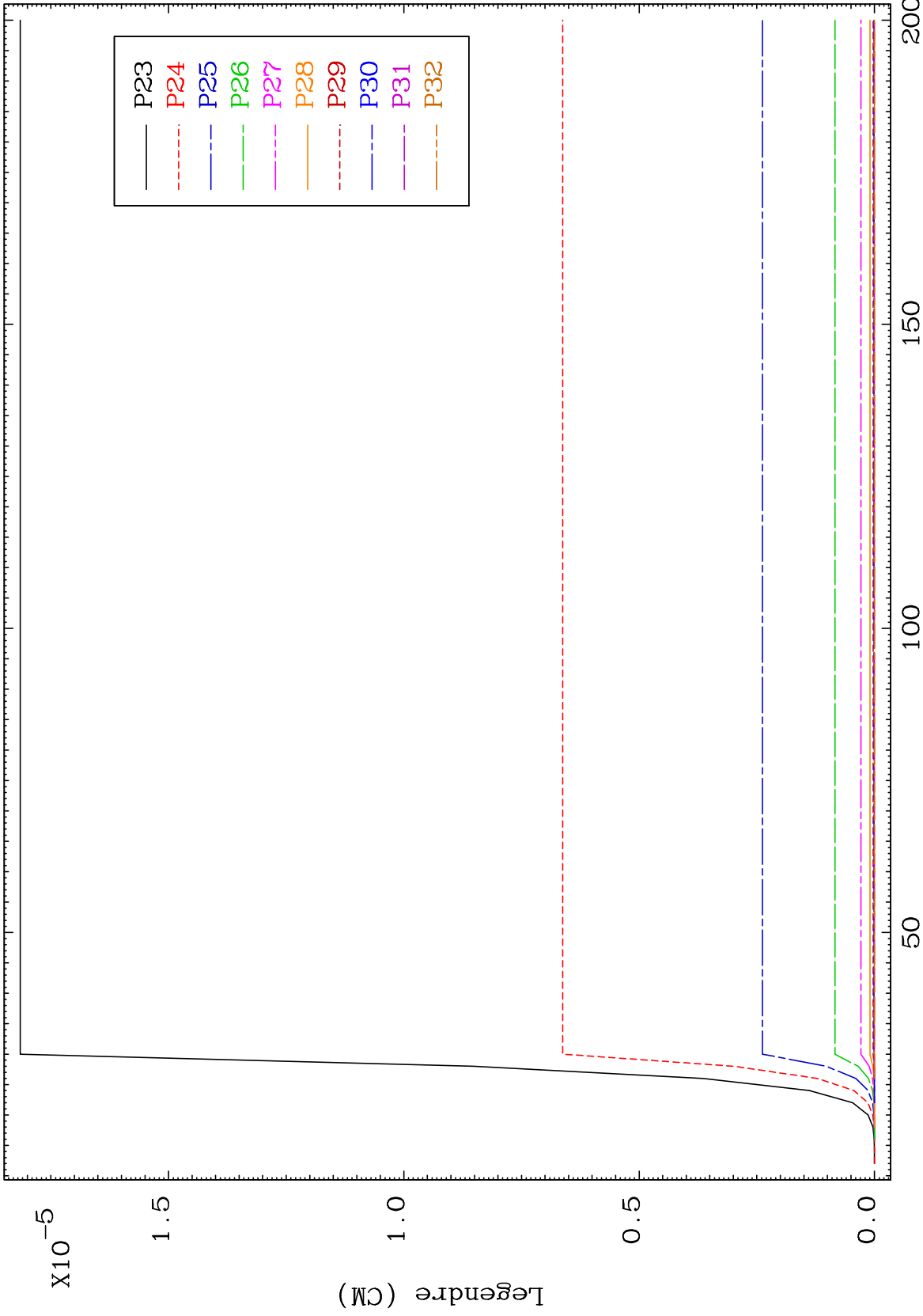
27-Co-61



MAT 2731

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

27-Co-61



24

Incident Energy (MeV)

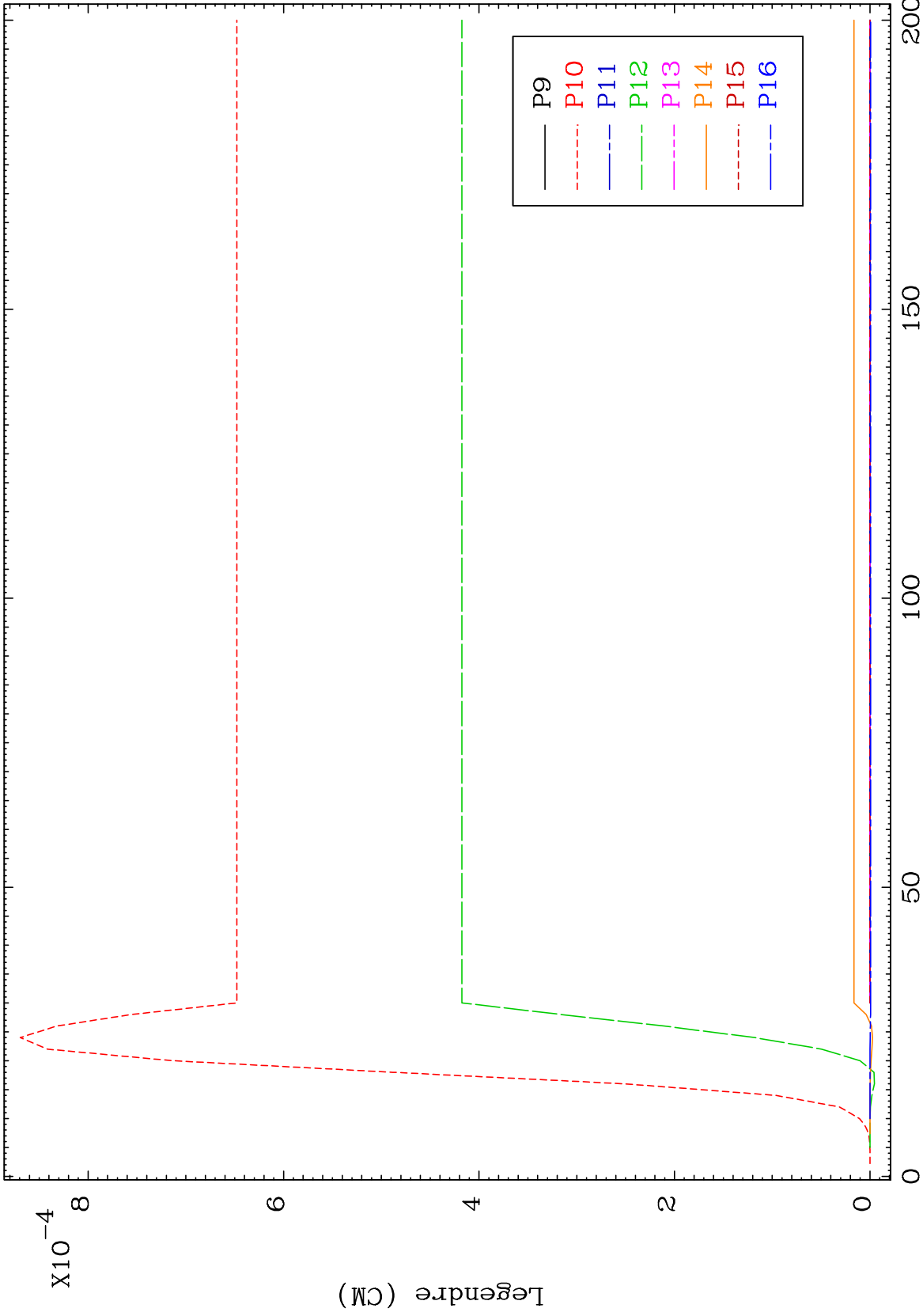
27-Co-61



MAT 2731

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

27-Co-61

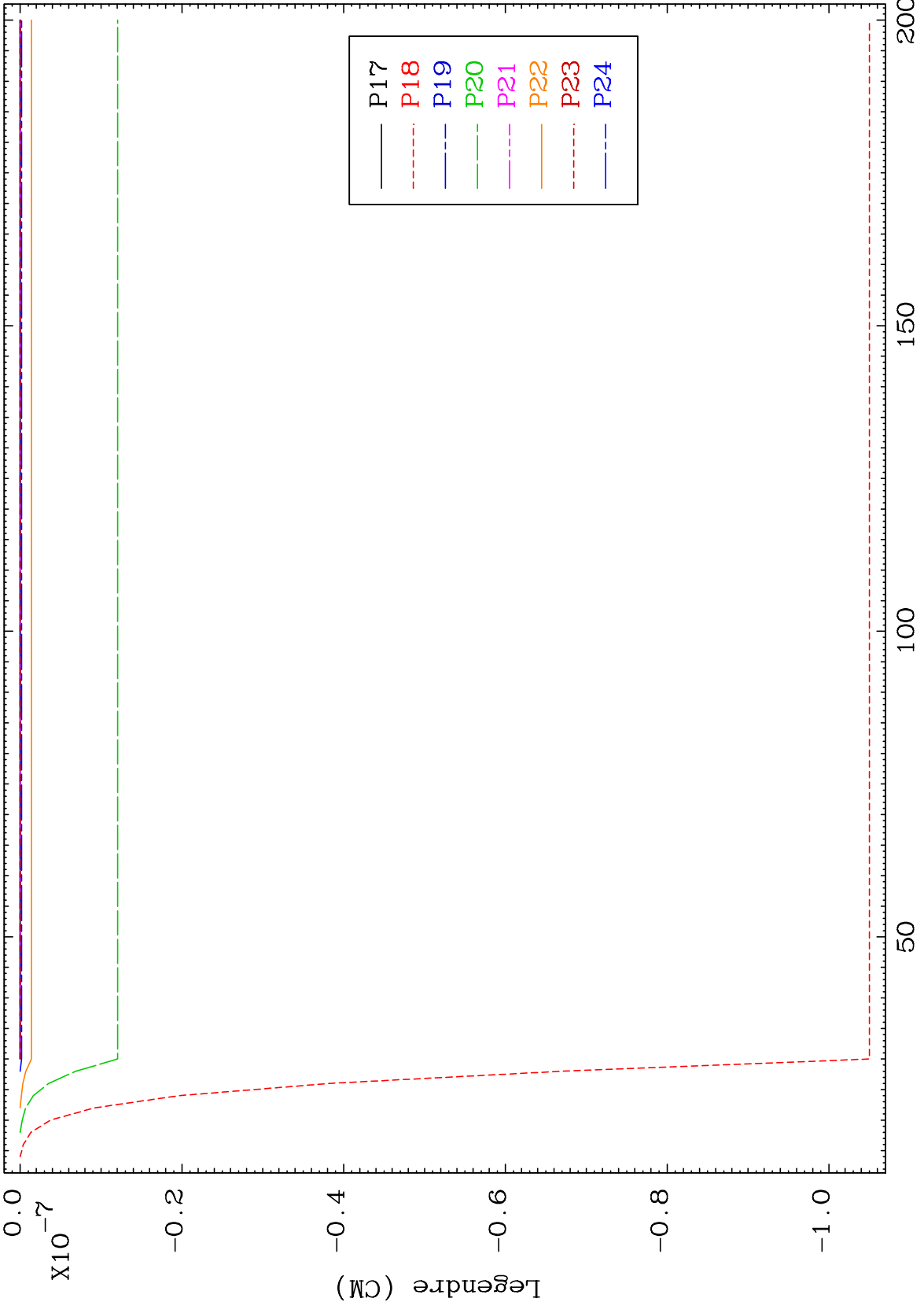


26

Incident Energy (MeV)

27-Co-61

MAT 2731 MT= 53 (n, n') Level Legendre Coefficients 27-Co-61

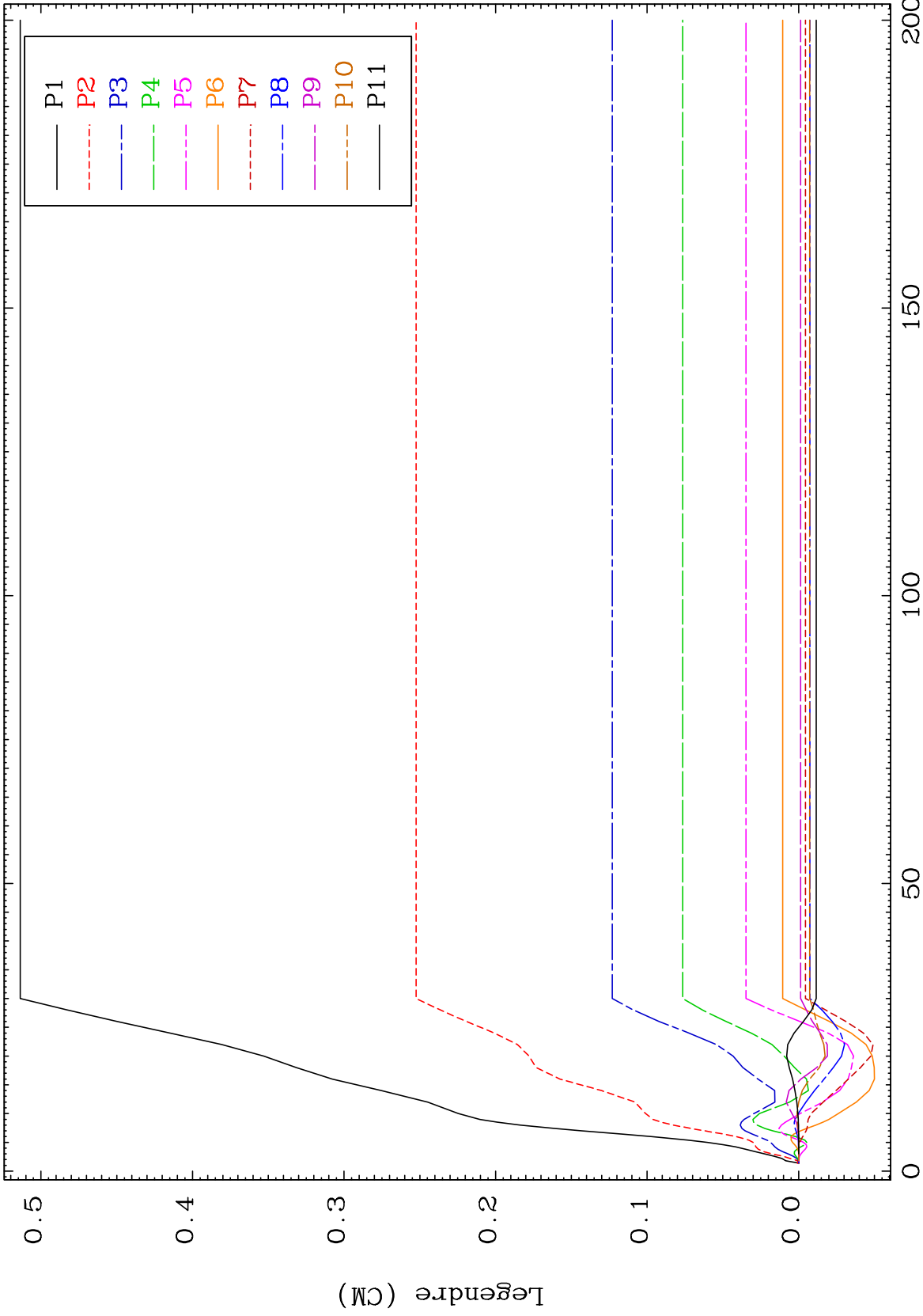


27 50 100 150 200 27-Co-61

MAT 2731

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

27-Co-61



28

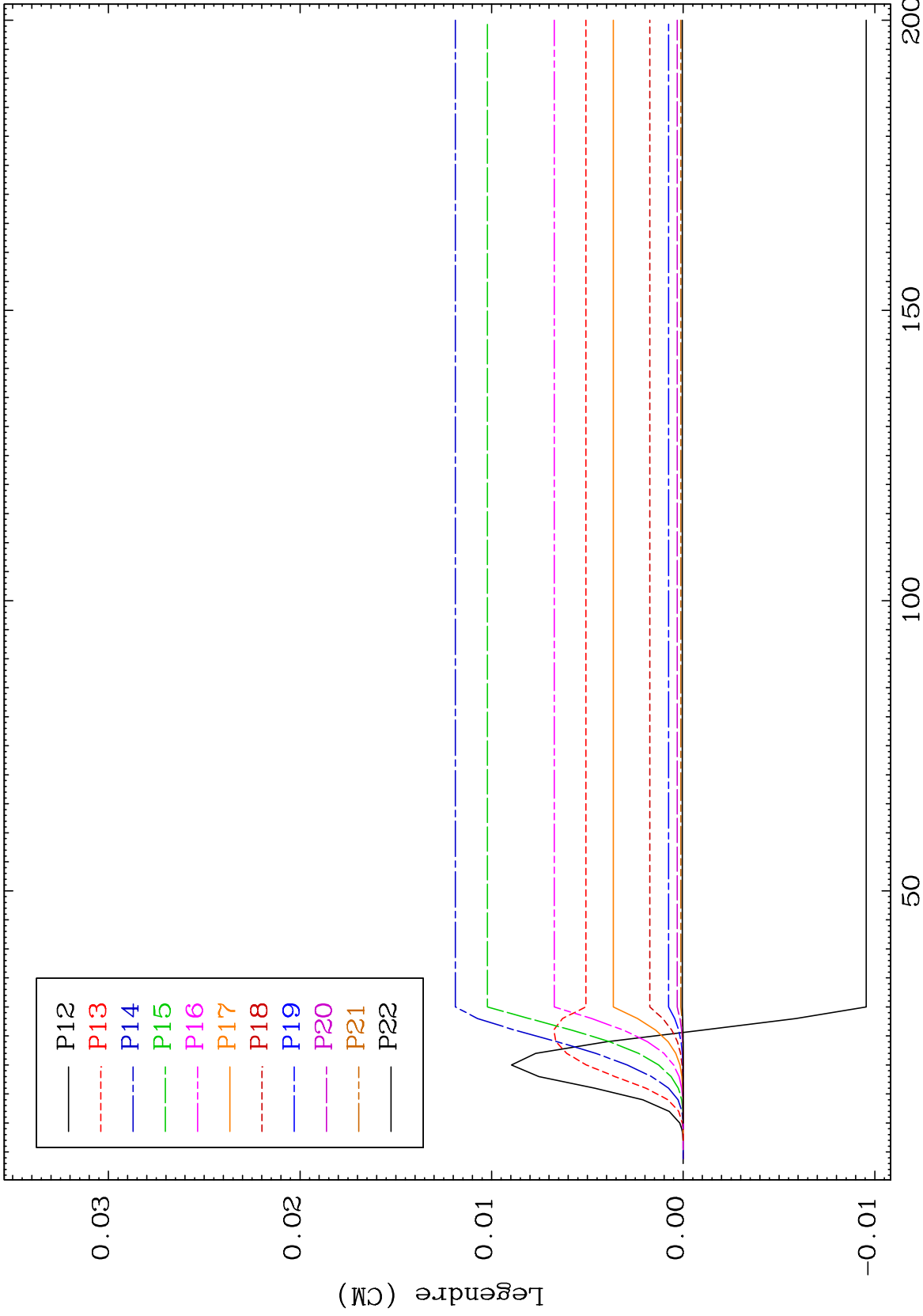
Incident Energy (MeV)

27-Co-61

MAT 2731

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

27-Co-61



29

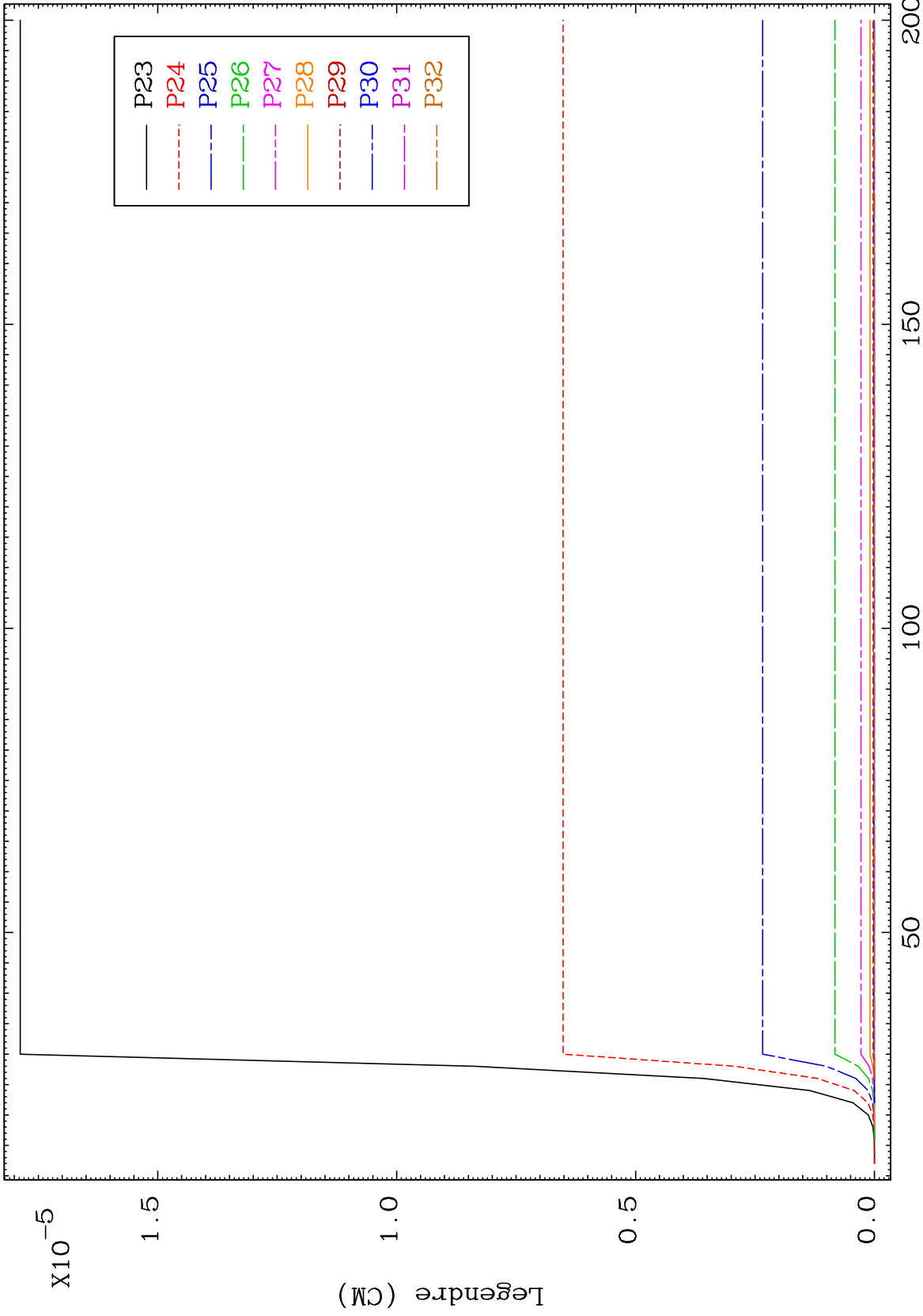
Incident Energy (MeV)

27-Co-61

MAT 2731

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

27-Co-61

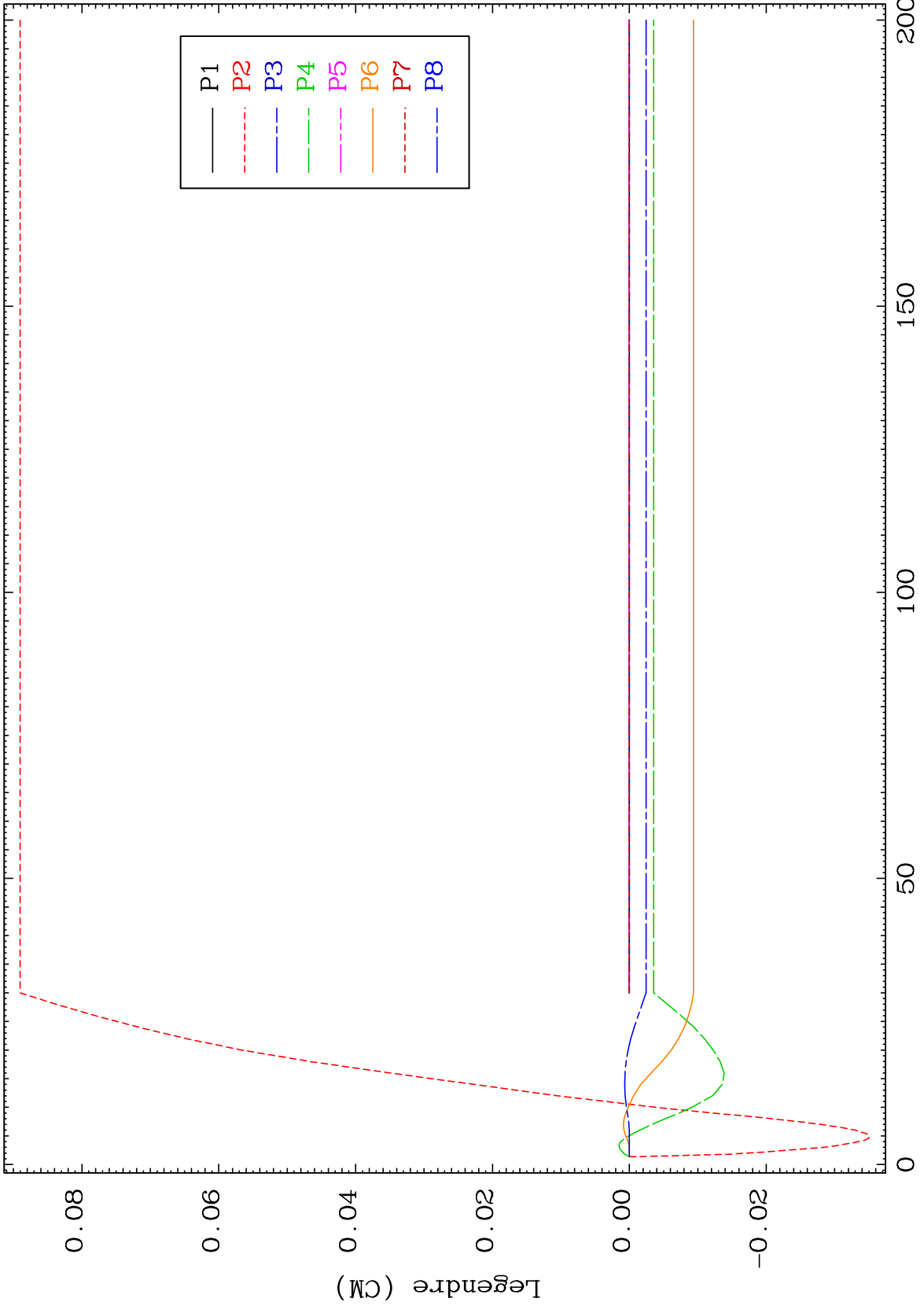


30

Incident Energy (MeV)

27-Co-61

MAT 2731 MT= 55 (n,n') Level Legendre Coefficients 27-Co-61



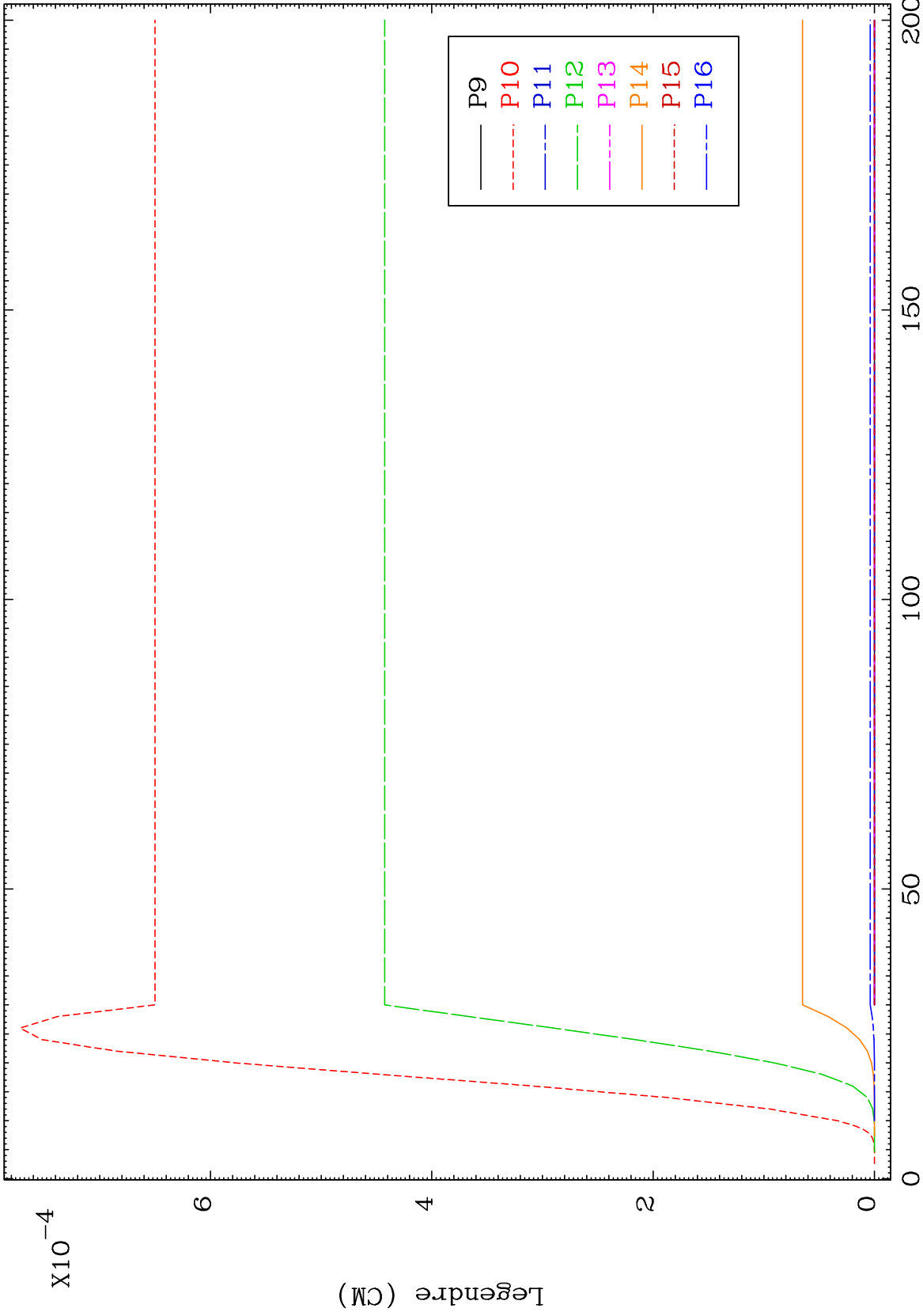
31 27-Co-61



MAT 2731

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

27-Co-61

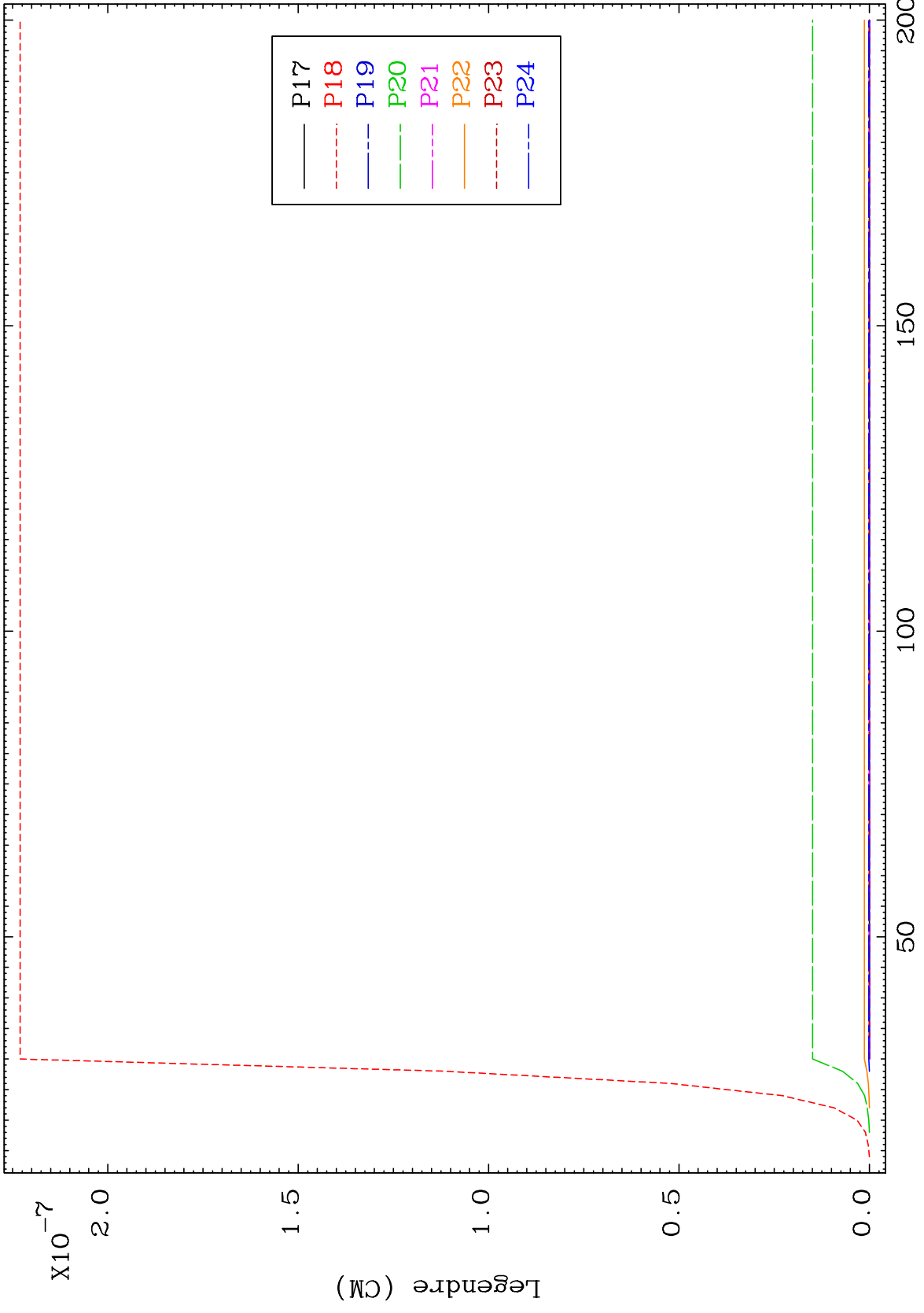


32

Incident Energy (MeV)

27-Co-61

MAT 2731 MT= 55 (n,n') Level Legendre Coefficients 27-Co-61

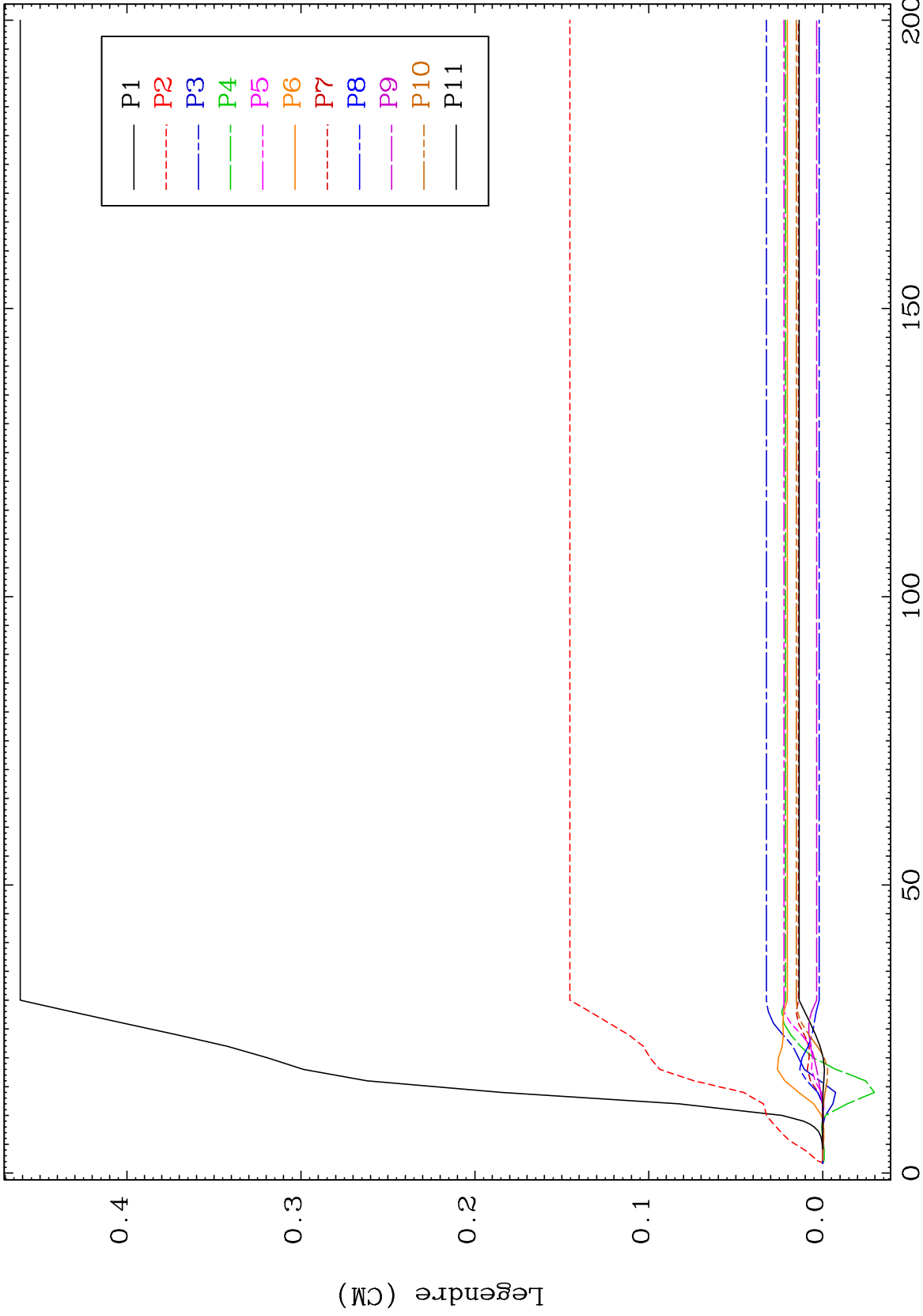


33 50 100 150 200 27-Co-61

MAT 2731

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

27-Co-61



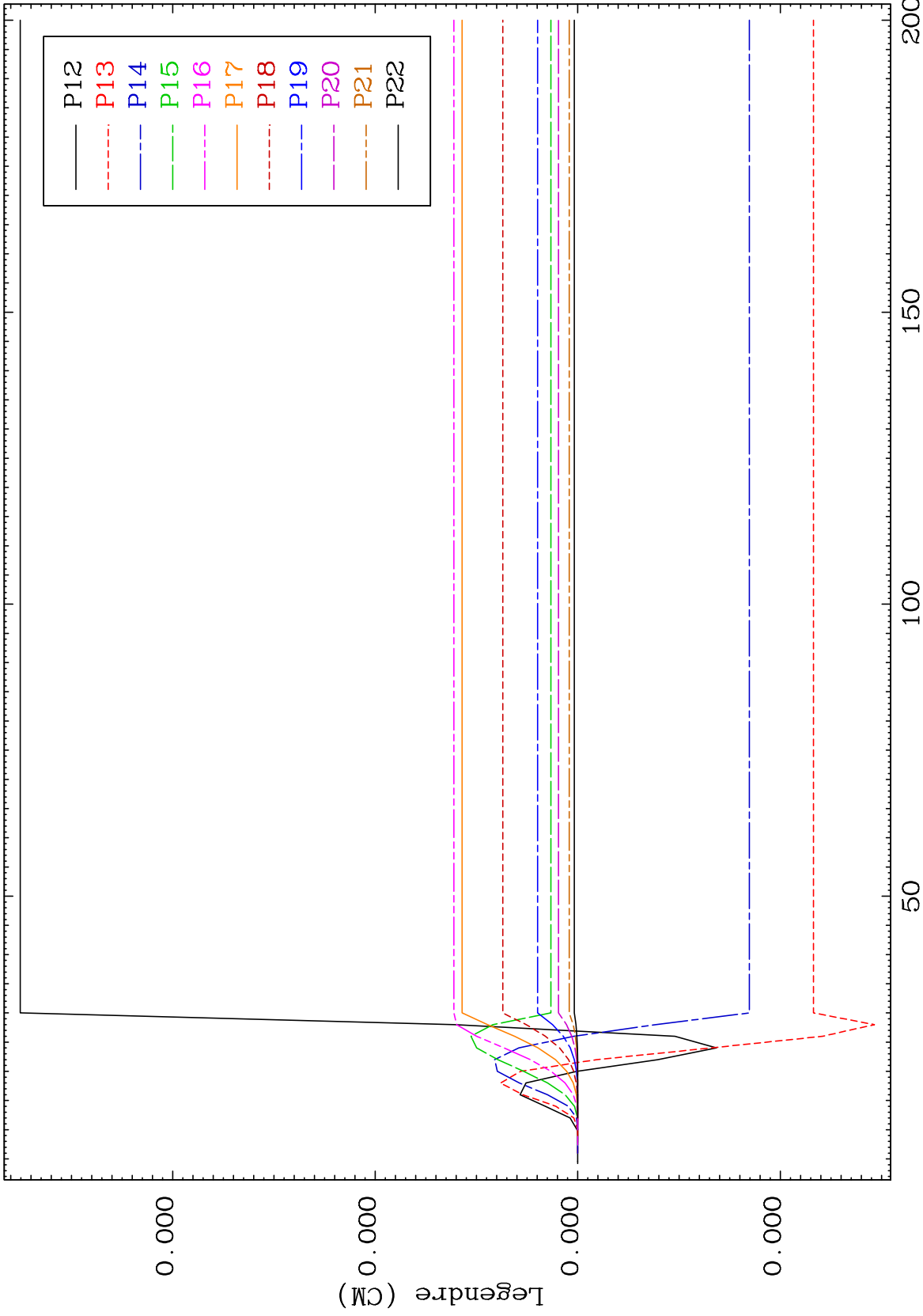
34

27-Co-61

MAT 2731

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

27-Co-61



35

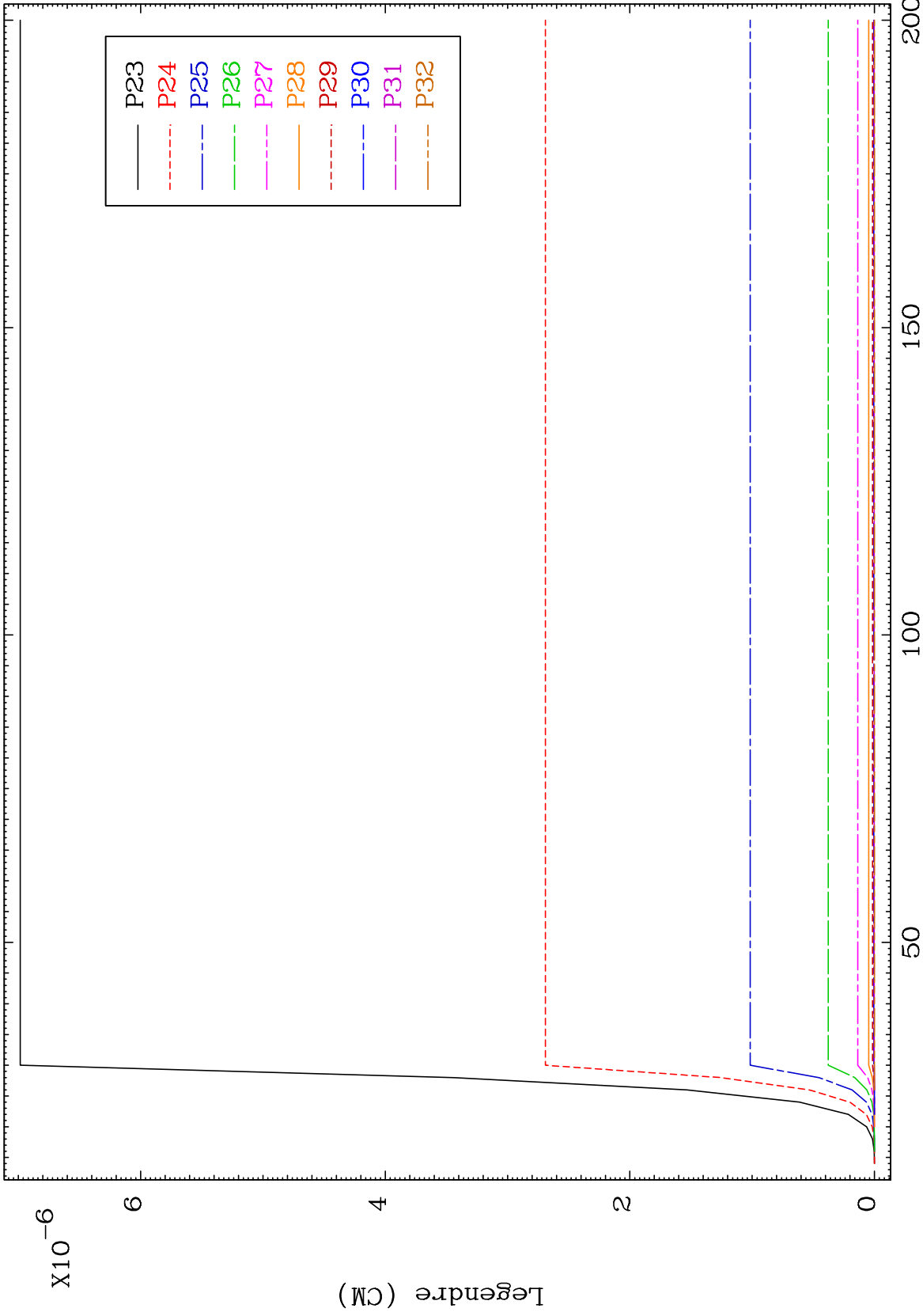
Incident Energy (MeV)

27-Co-61

MAT 2731

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

27-Co-61



36

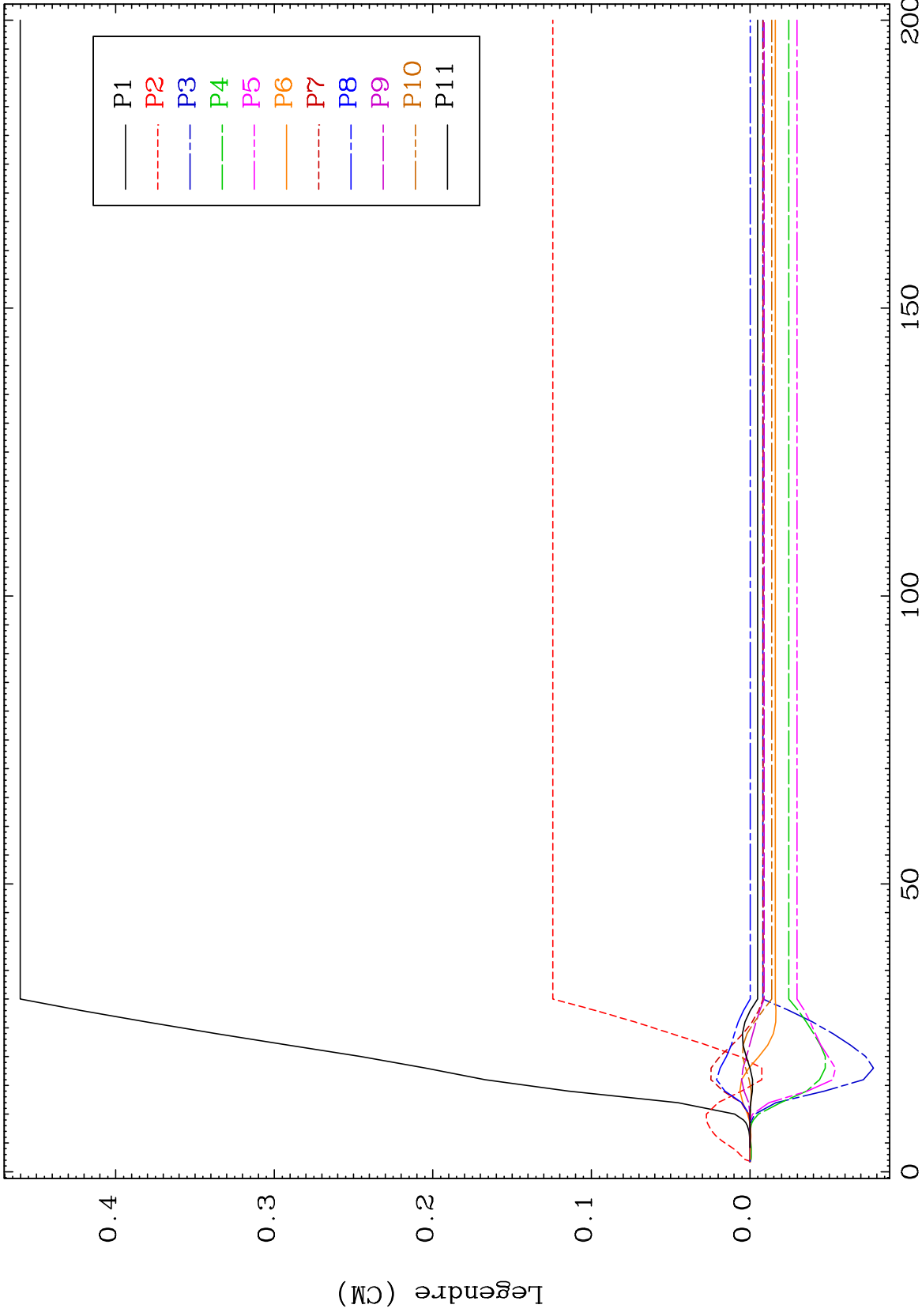
Incident Energy (MeV)

27-Co-61

MAT 2731

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

27-Co-61



37

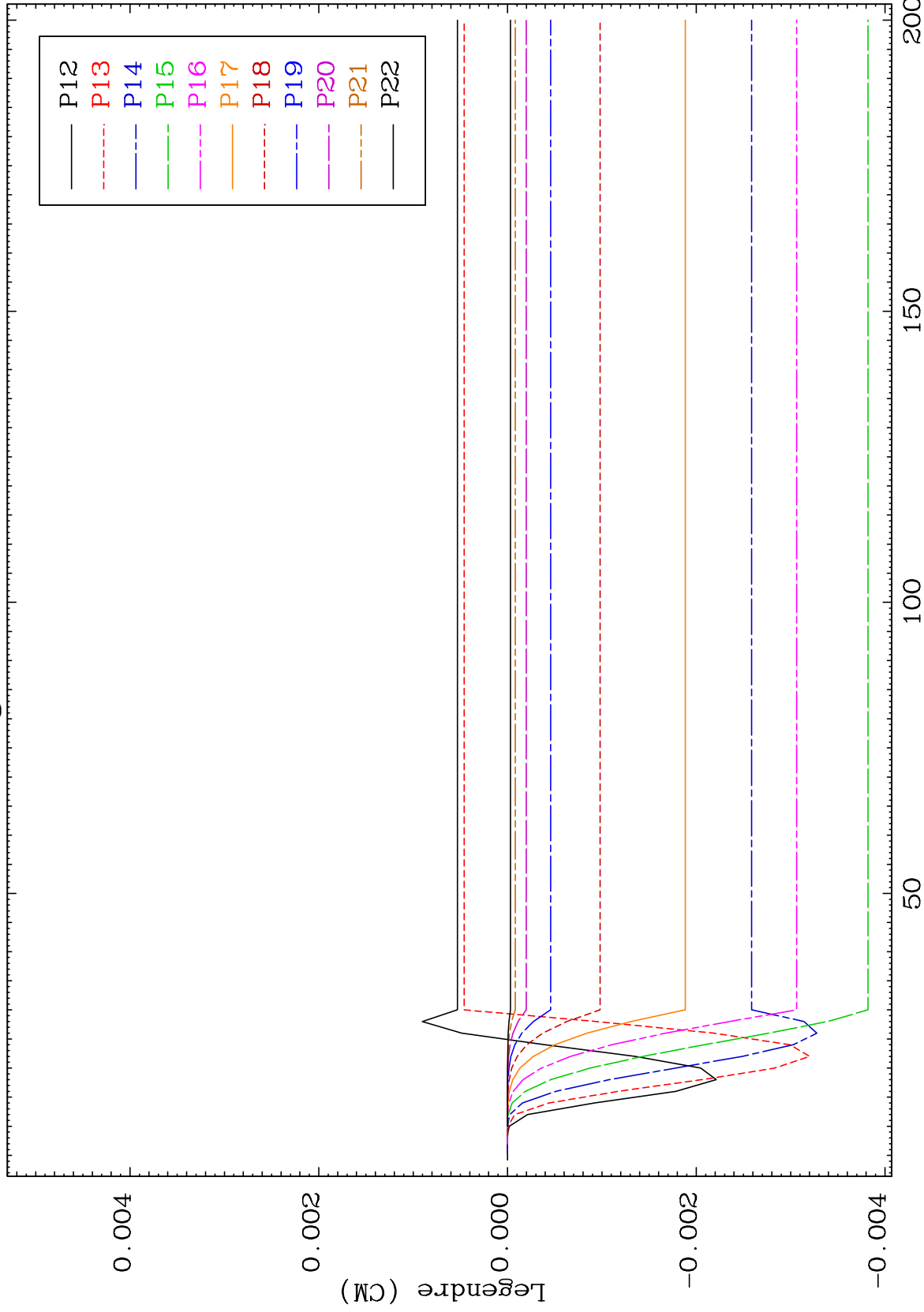
Incident Energy (MeV)

27-Co-61

MAT 2731

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

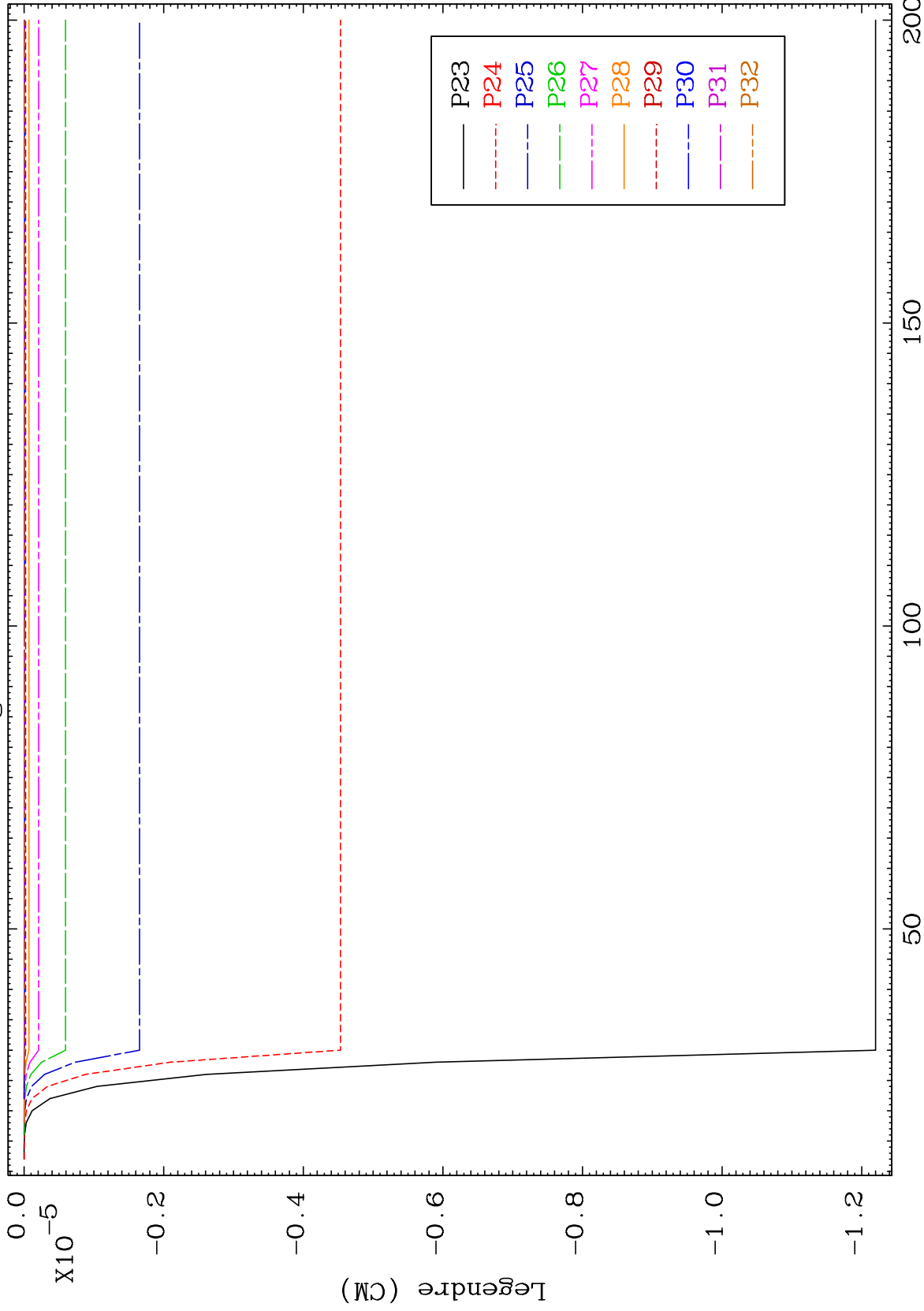
27-Co-61



38

27-Co-61

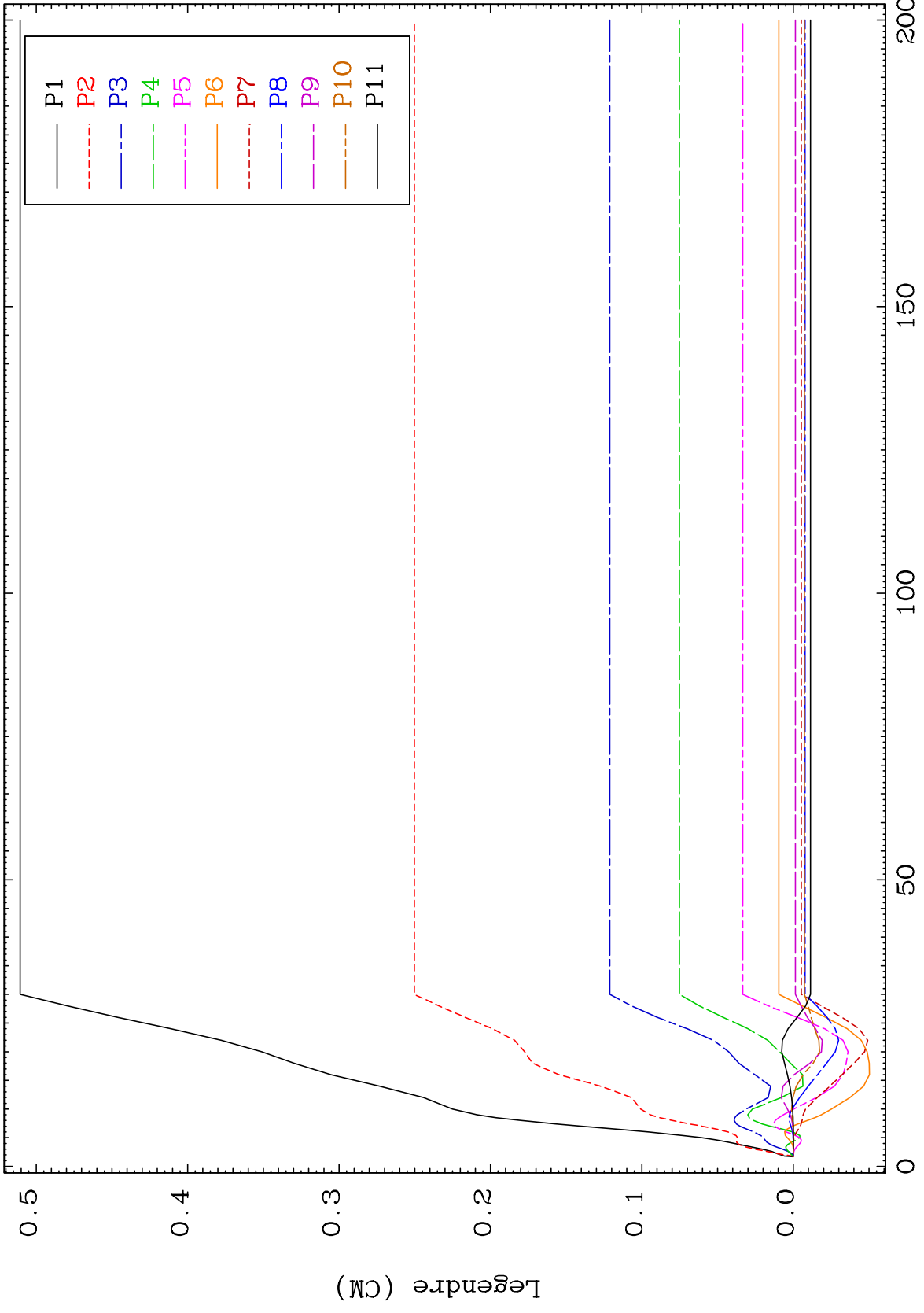
MAT 2731 MT= 57 (n,n') Level Legendre Coefficients 27-Co-61



39 Incident Energy (MeV) 27-Co-61



MAT 2731 MT= 58 (n,n') Level Legendre Coefficients 27-Co-61

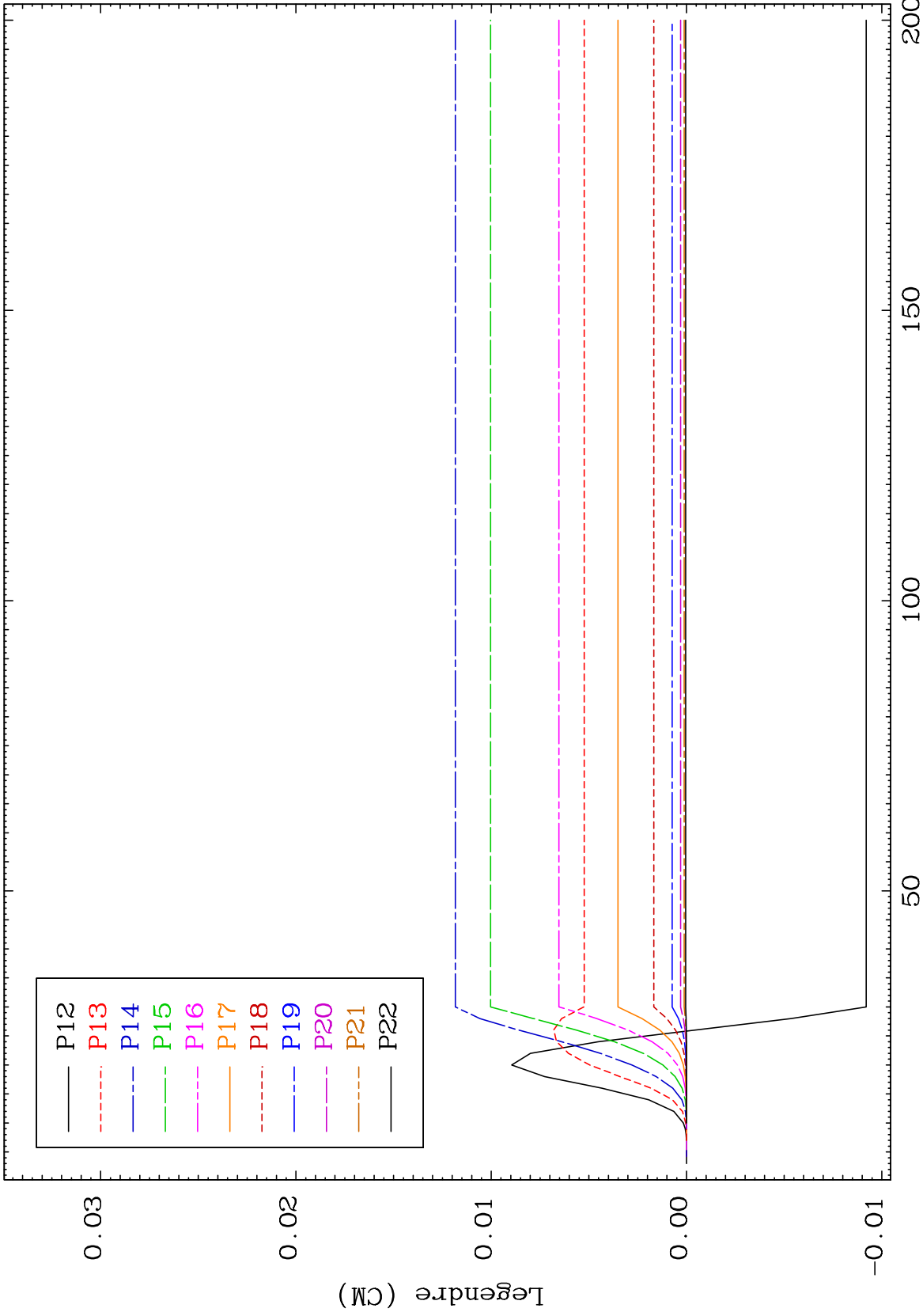


27-Co-61

MAT 2731

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

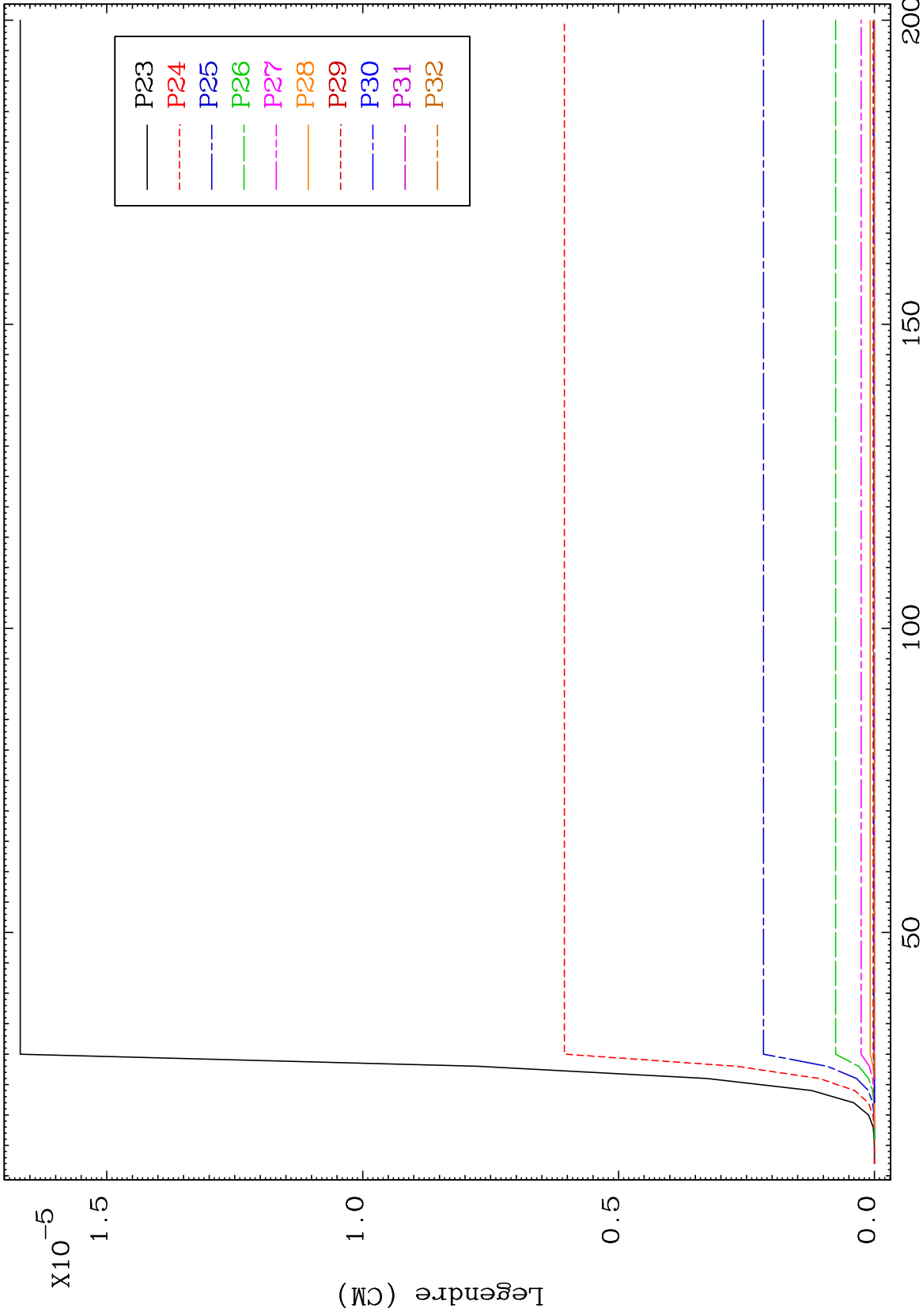
27-Co-61



MAT 2731

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

27-Co-61



42

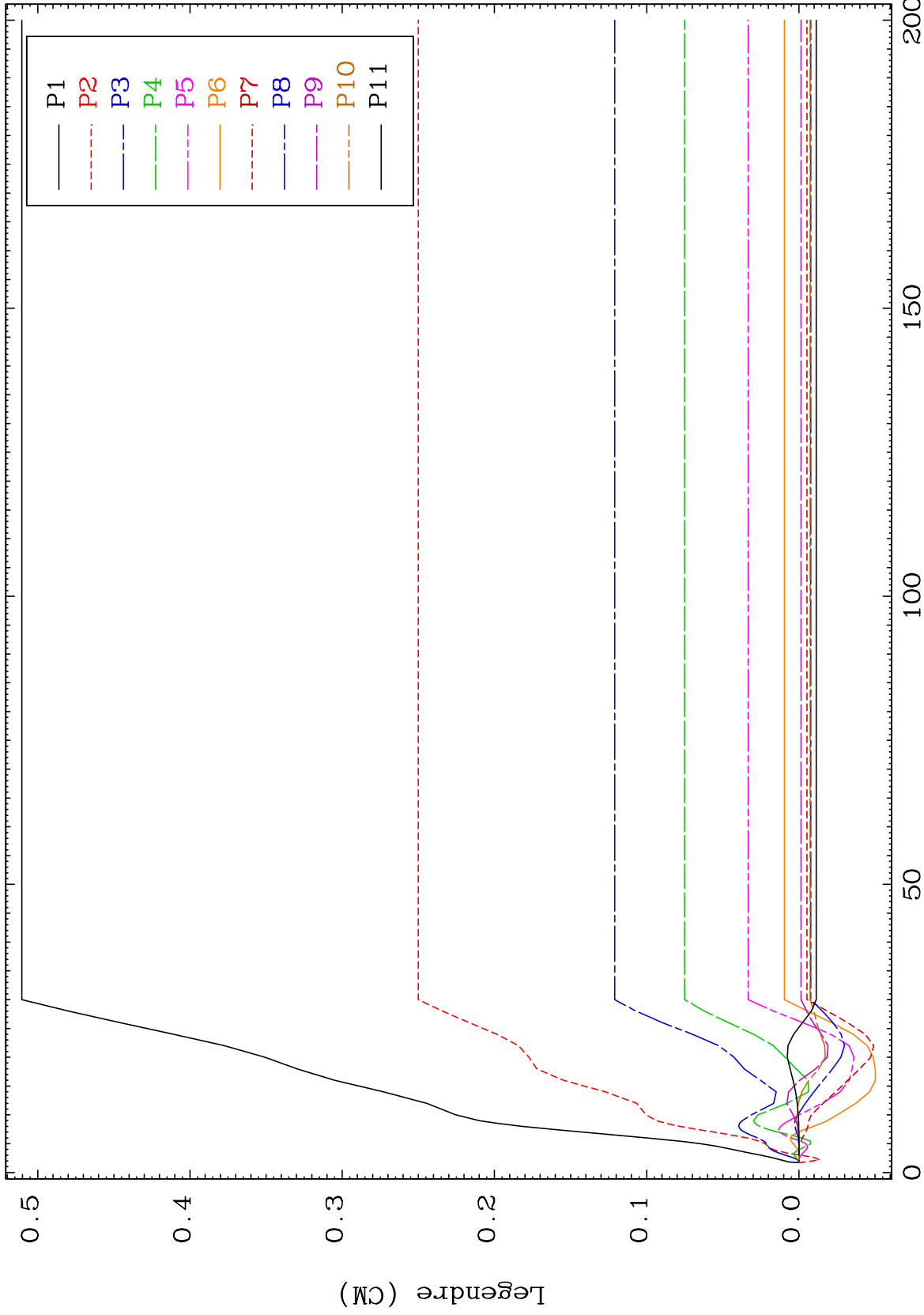
Incident Energy (MeV)

27-Co-61

MAT 2731

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

27-Co-61



43

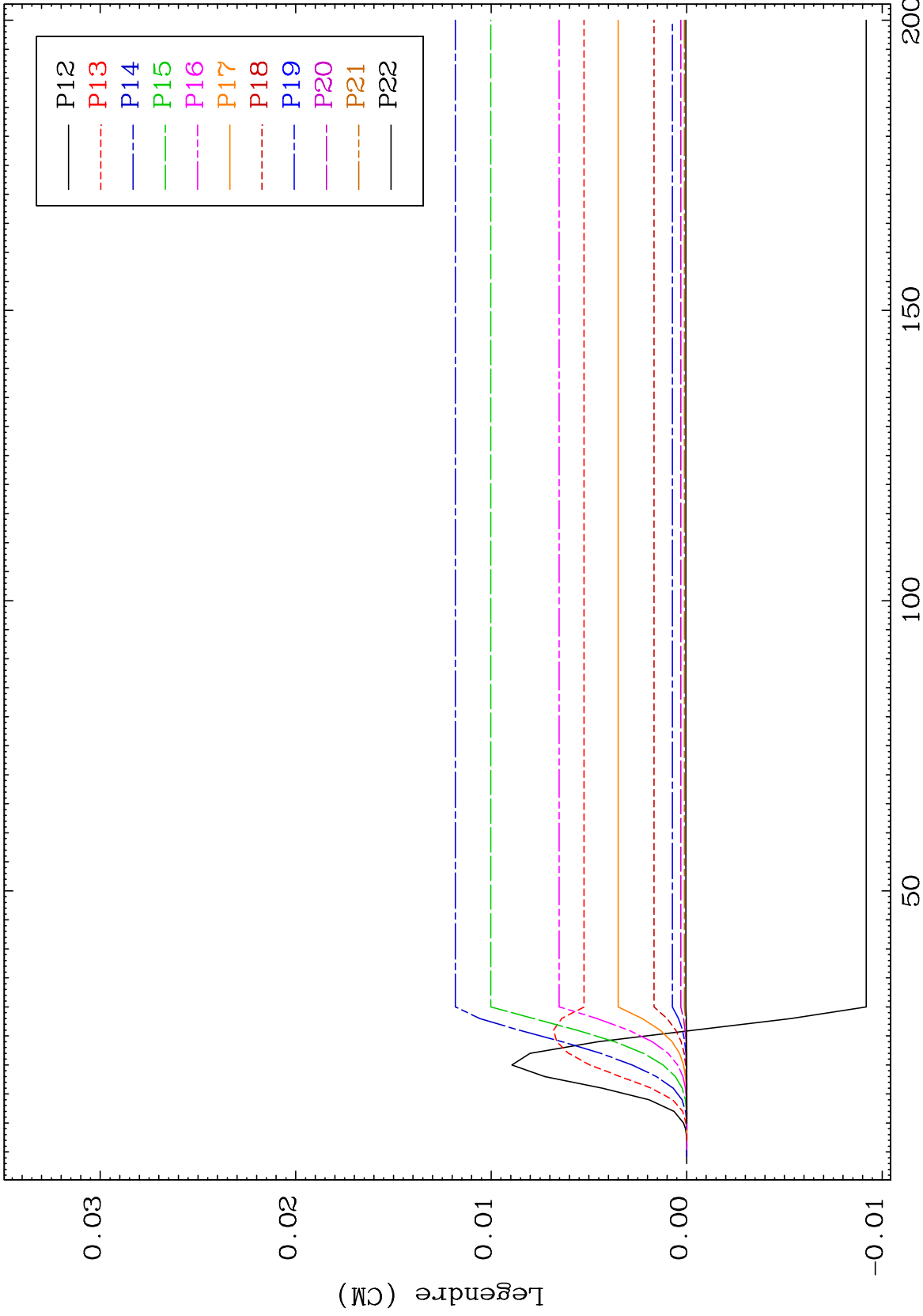
Incident Energy (MeV)

27-Co-61

MAT 2731

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

27-Co-61



44

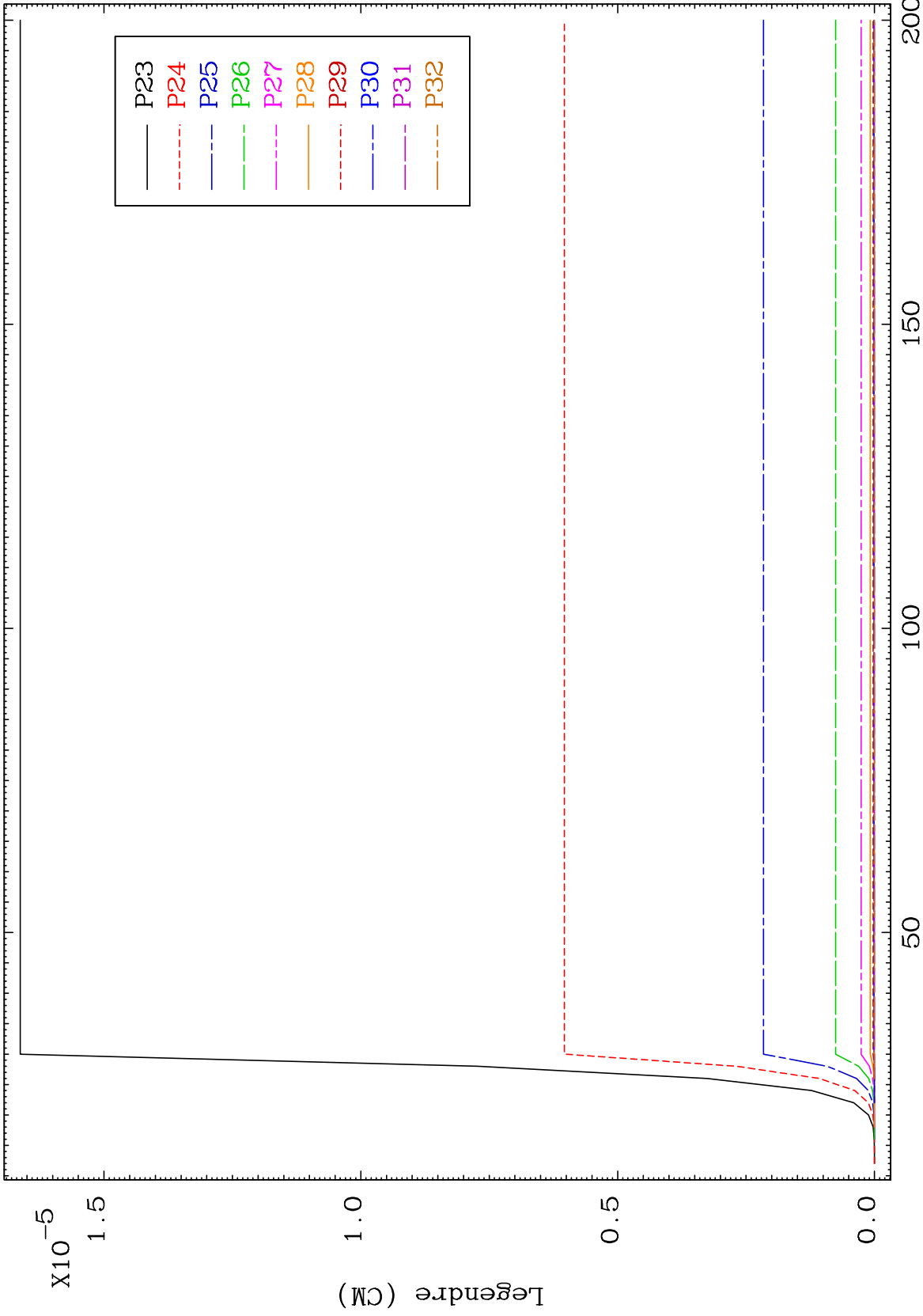
Incident Energy (MeV)

27-Co-61

MAT 2731

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

27-Co-61

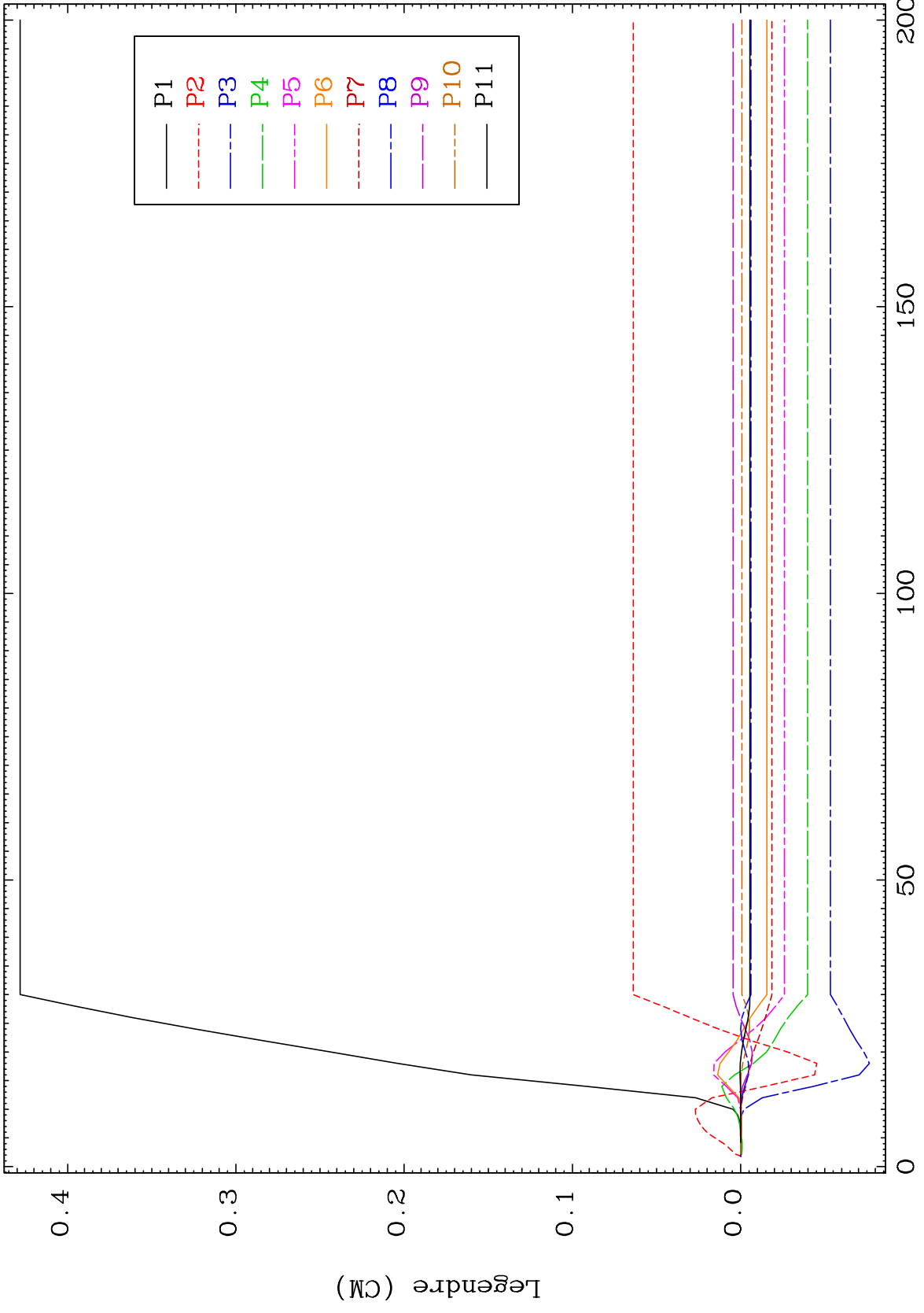


45

Incident Energy (MeV)

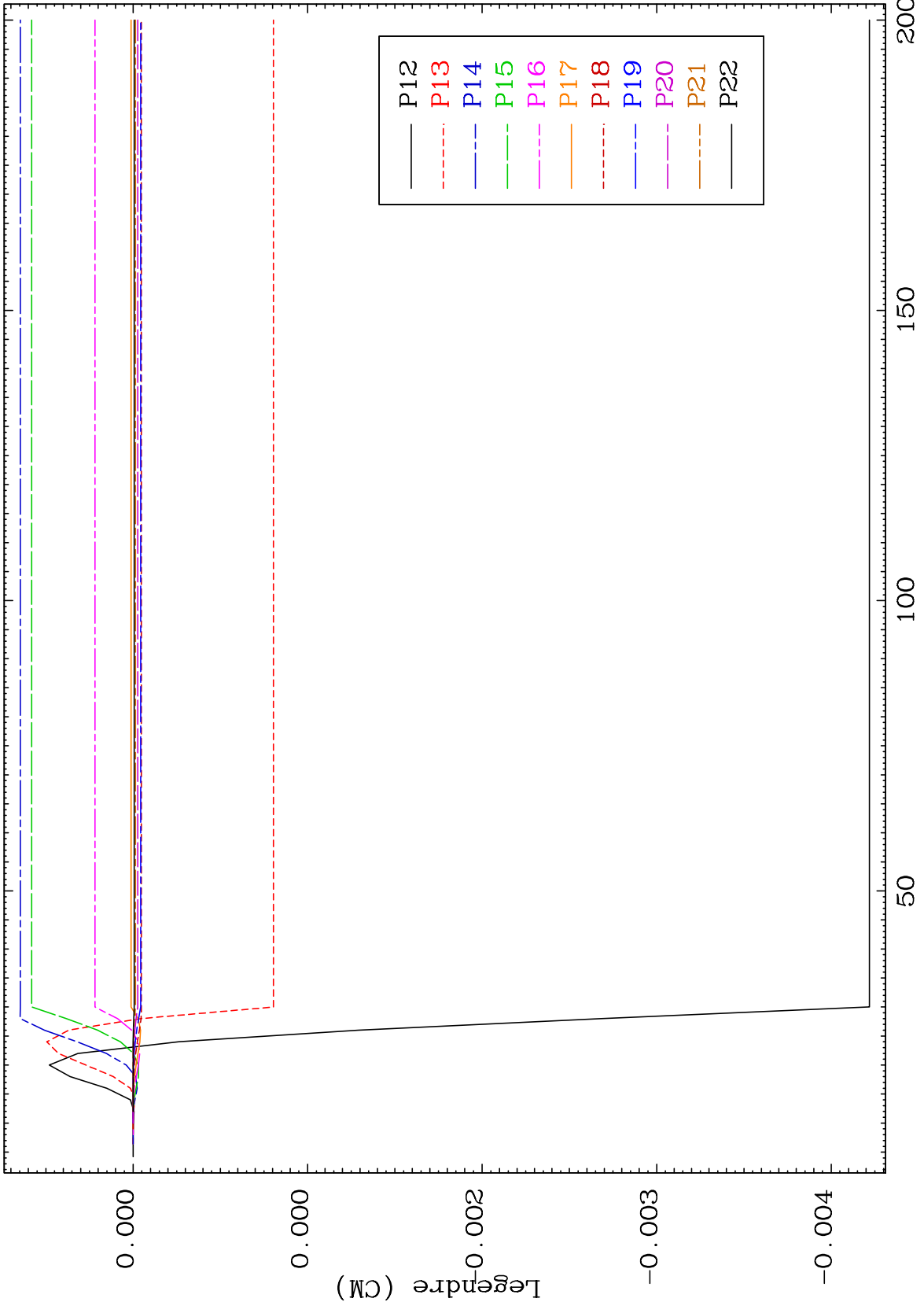
27-Co-61

MAT 2731 MT= 60 (n,n') Level Legendre Coefficients 27-Co-61



46 27-Co-61

MAT 2731 MT= 60 (n,n') Level Legendre Coefficients 27-Co-61

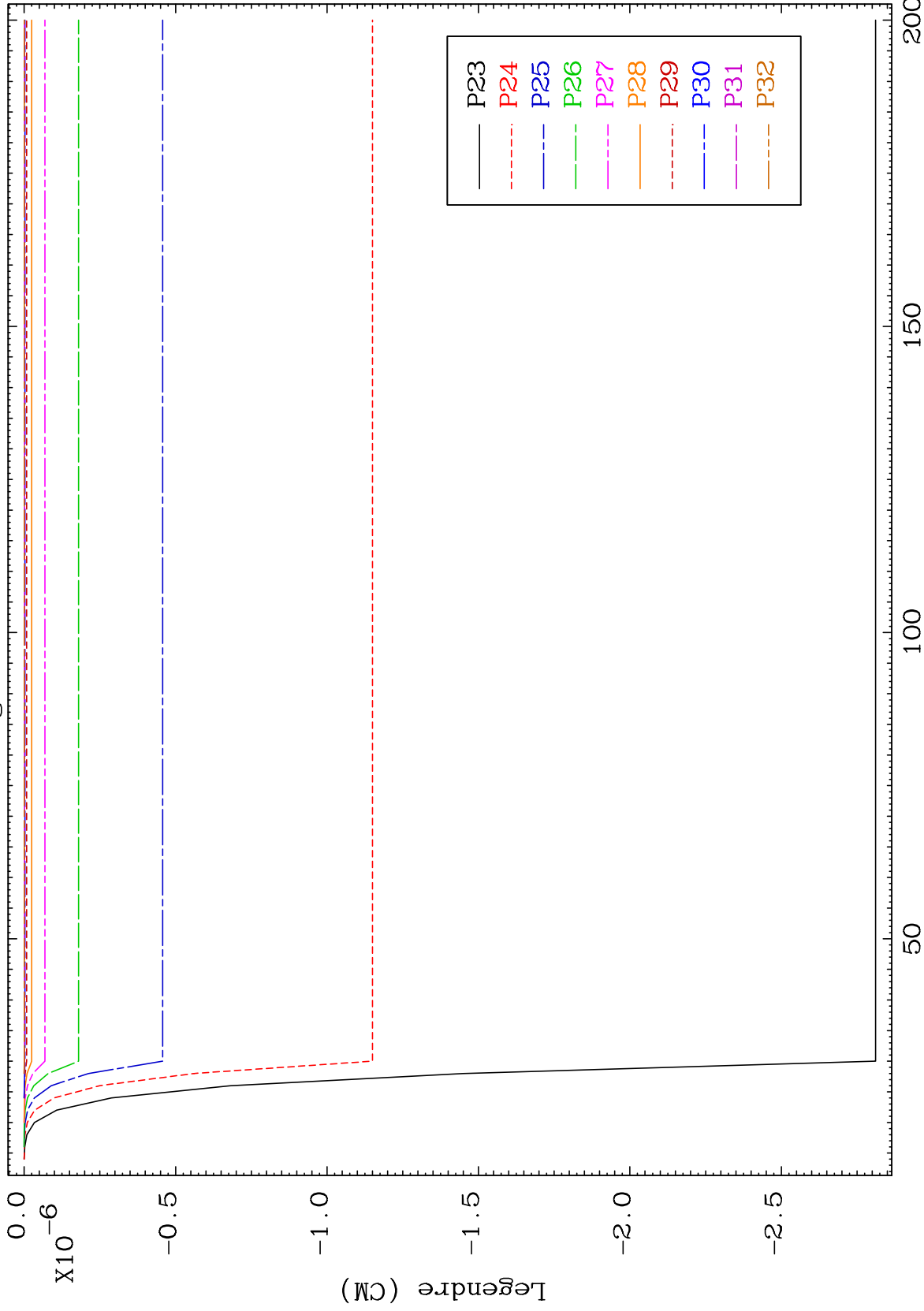




MAT 2731

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

27-Co-61



27-Co-61

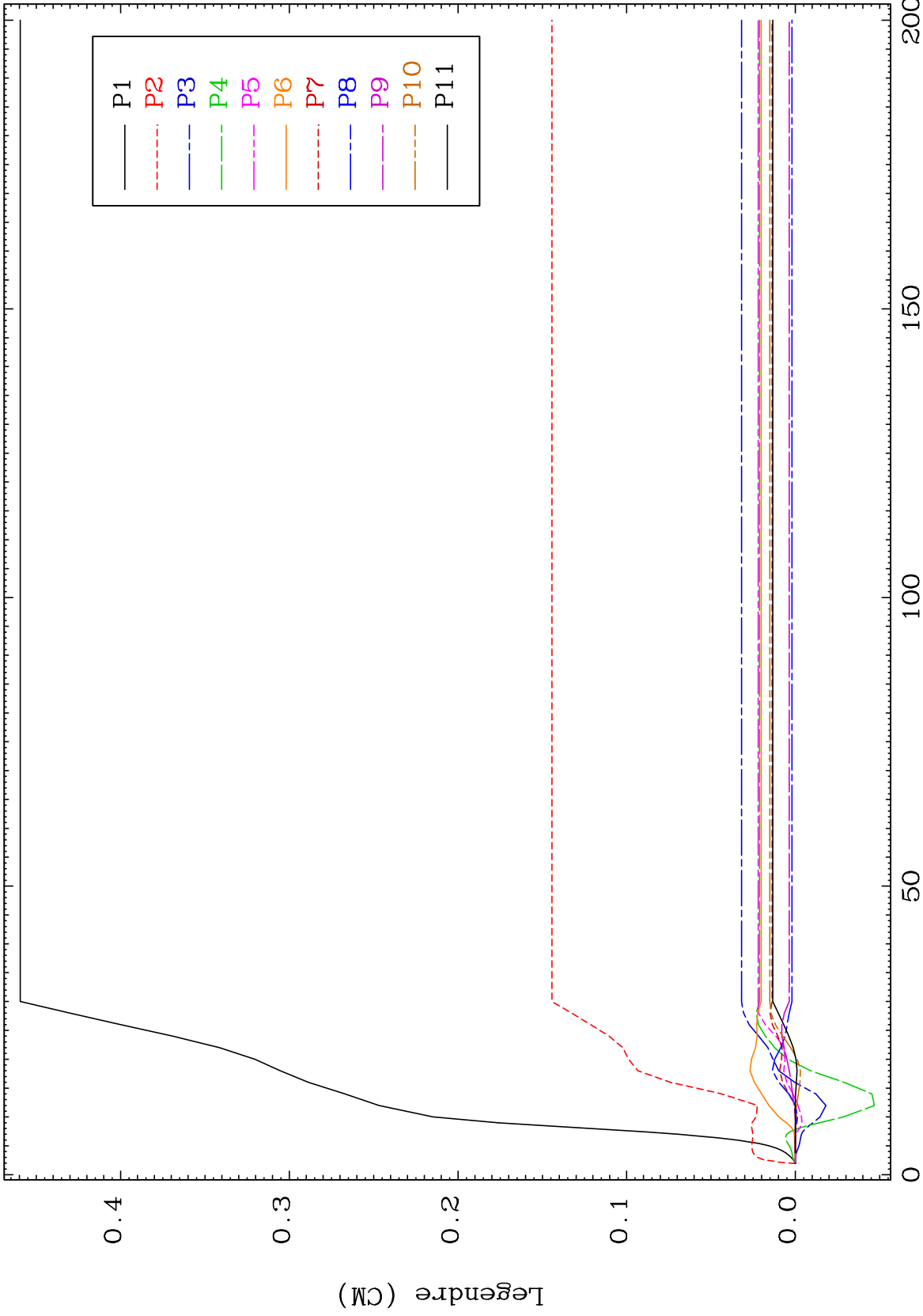
Incident Energy (MeV)

48

MAT 2731

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

27-Co-61



49

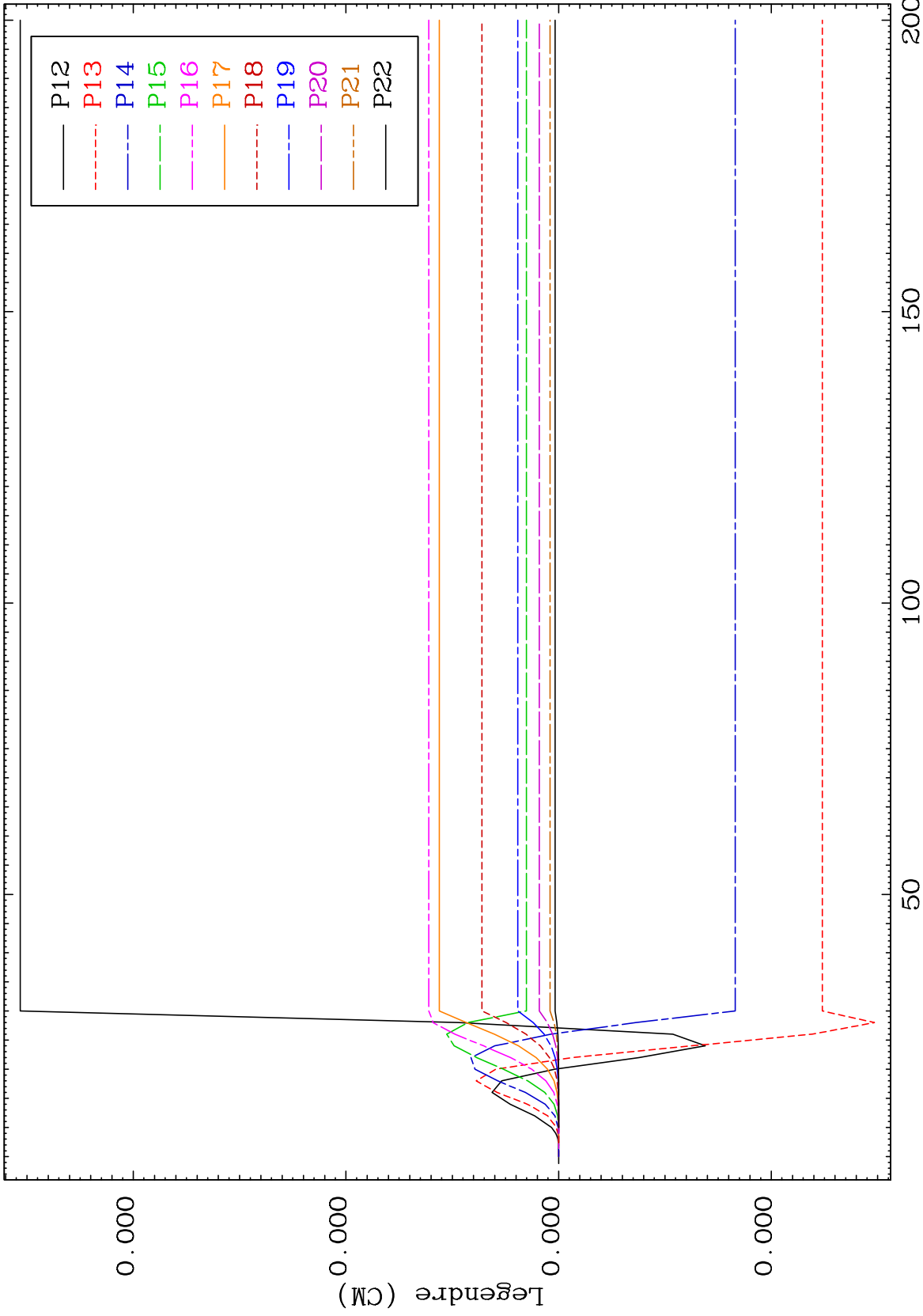
Incident Energy (MeV)

27-Co-61

MAT 2731

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

27-Co-61



50

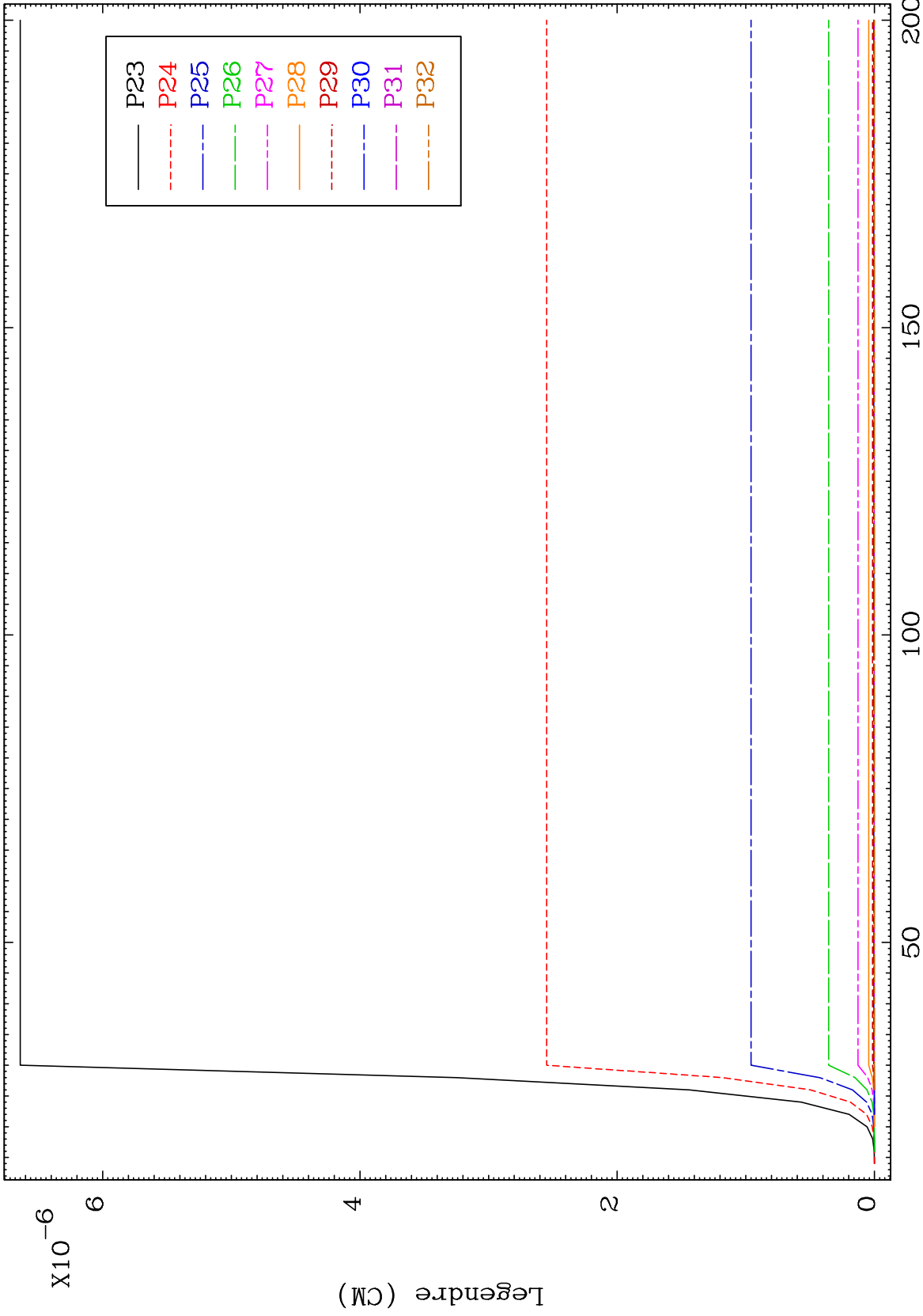
Incident Energy (MeV)

27-Co-61

MAT 2731

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

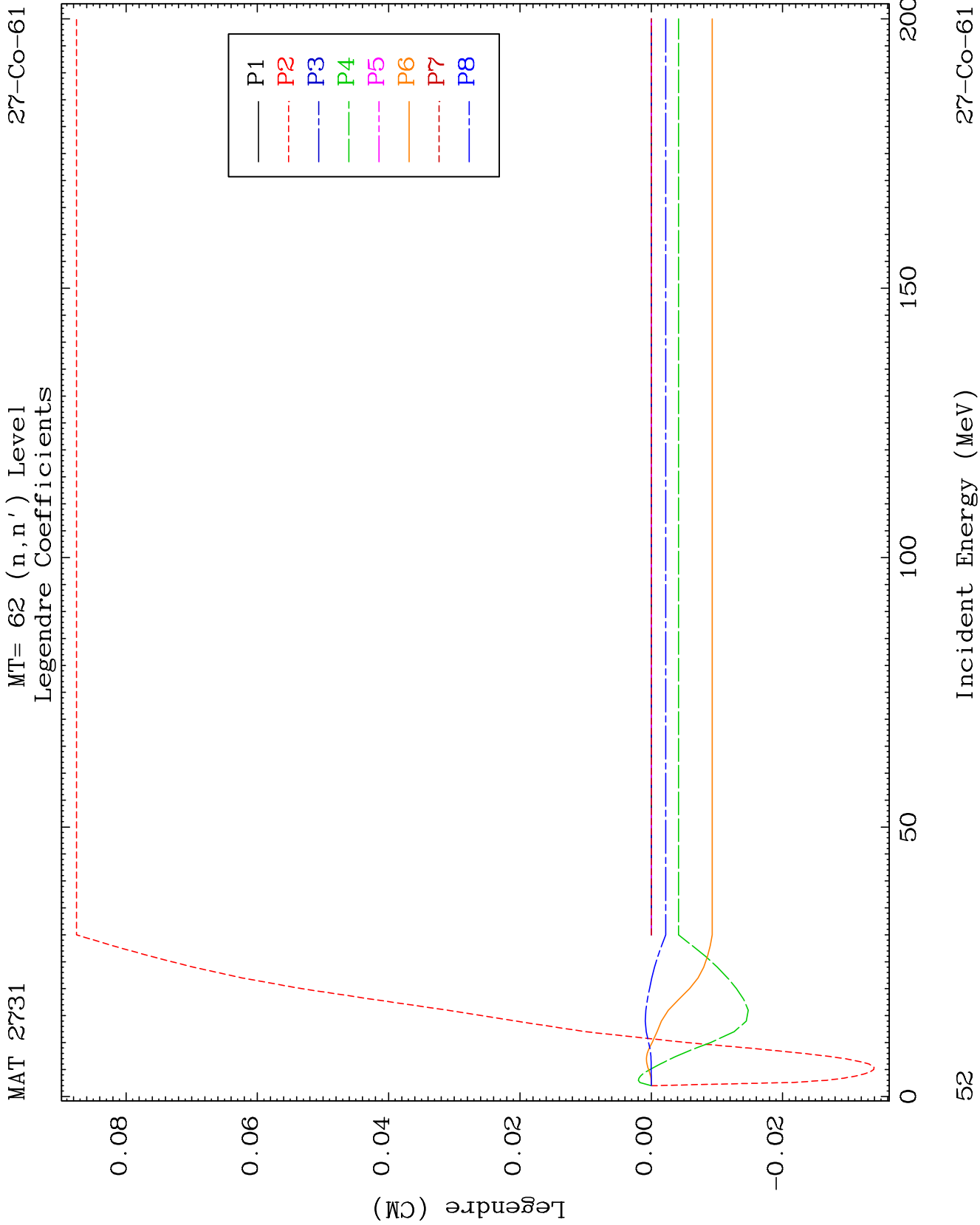
27-Co-61



51

Incident Energy (MeV)

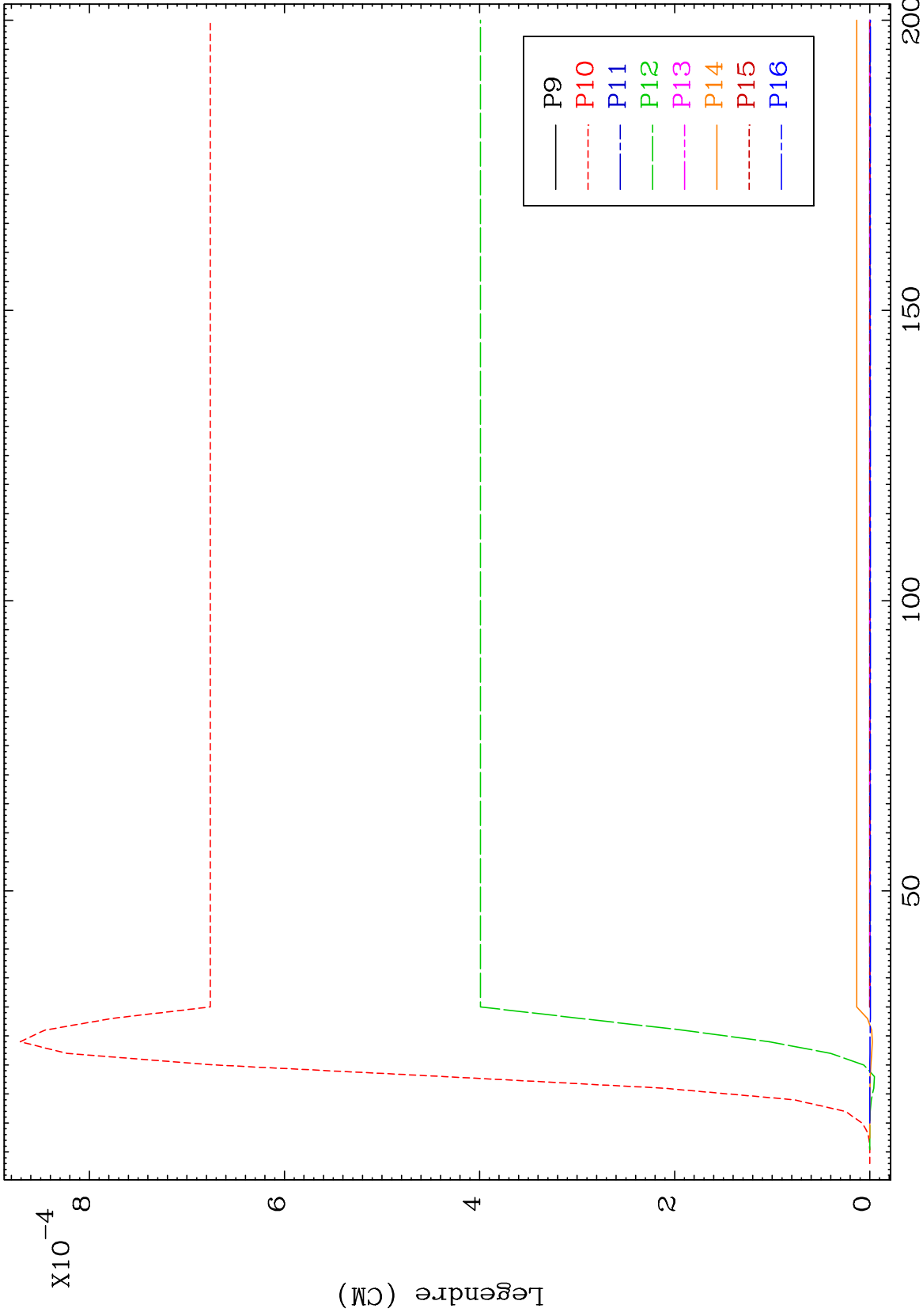
27-Co-61



MAT 2731

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

27-Co-61

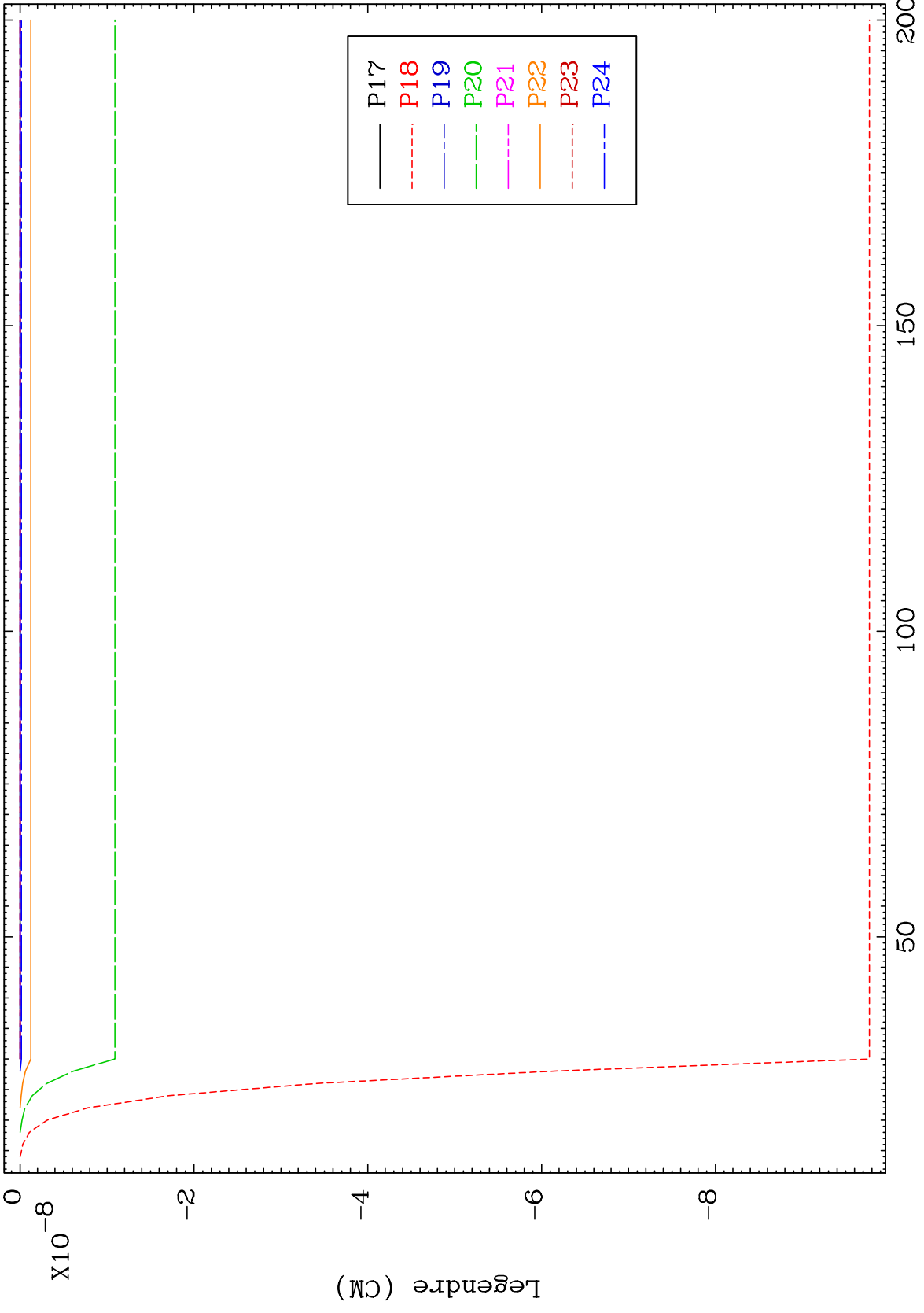


53

Incident Energy (MeV)

27-Co-61

MAT 2731 MT= 62 (n,n') Level Legendre Coefficients 27-Co-61

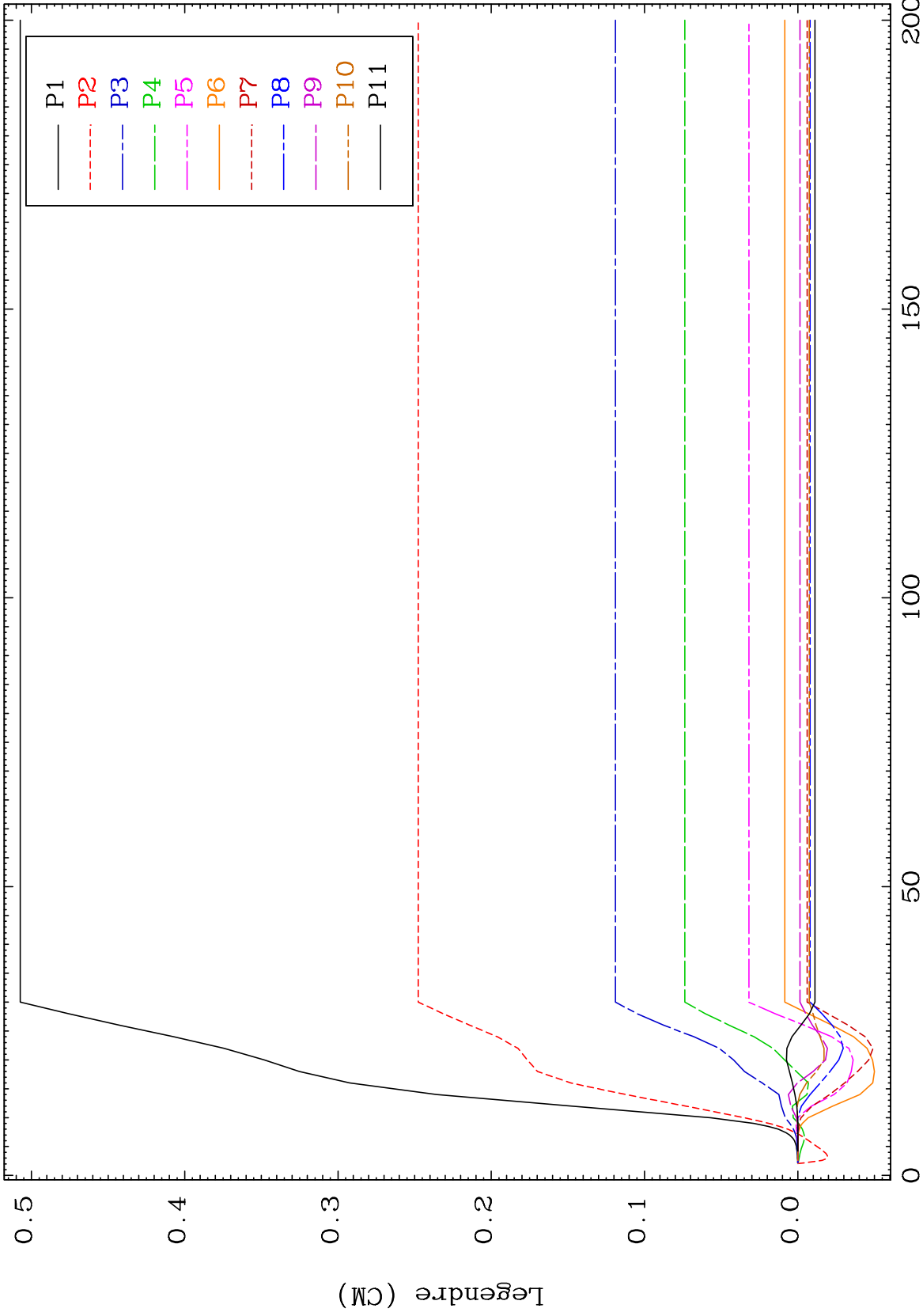


54 Incident Energy (MeV) 27-Co-61

MAT 2731

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

27-Co-61



55

Incident Energy (MeV)

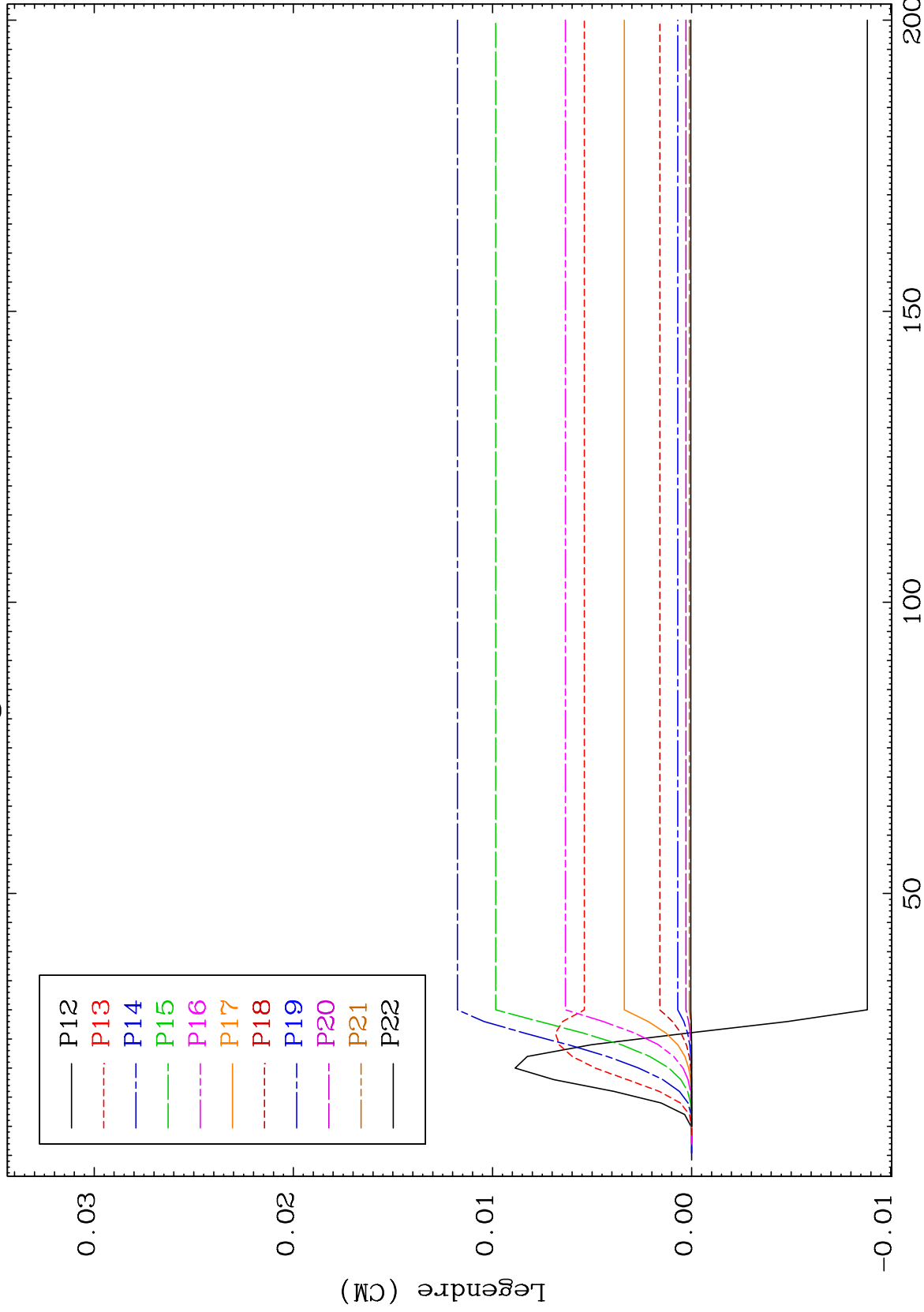
27-Co-61



MAT 2731

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

27-Co-61



56

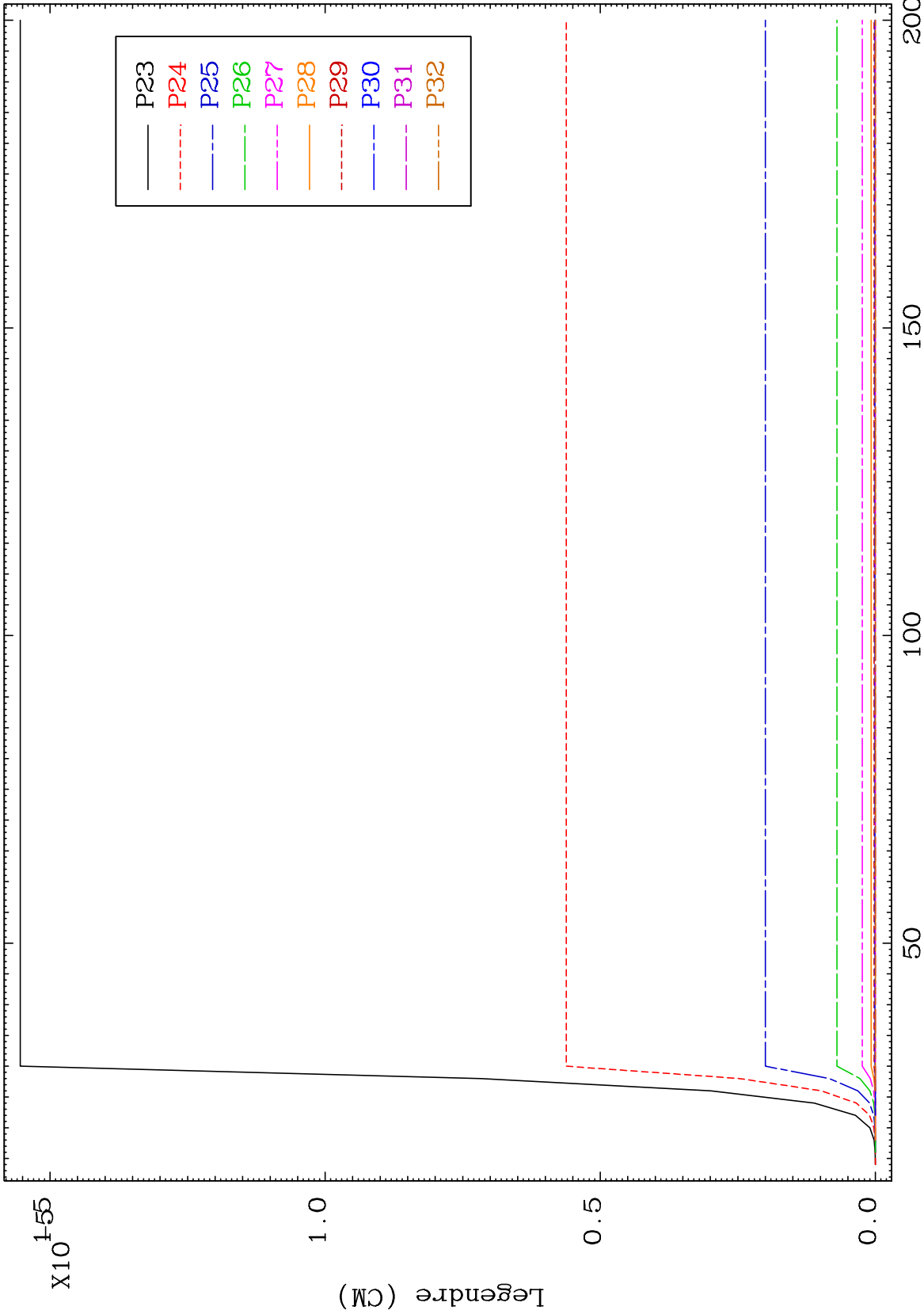
Incident Energy (MeV)

27-Co-61

MAT 2731

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

27-Co-61



57

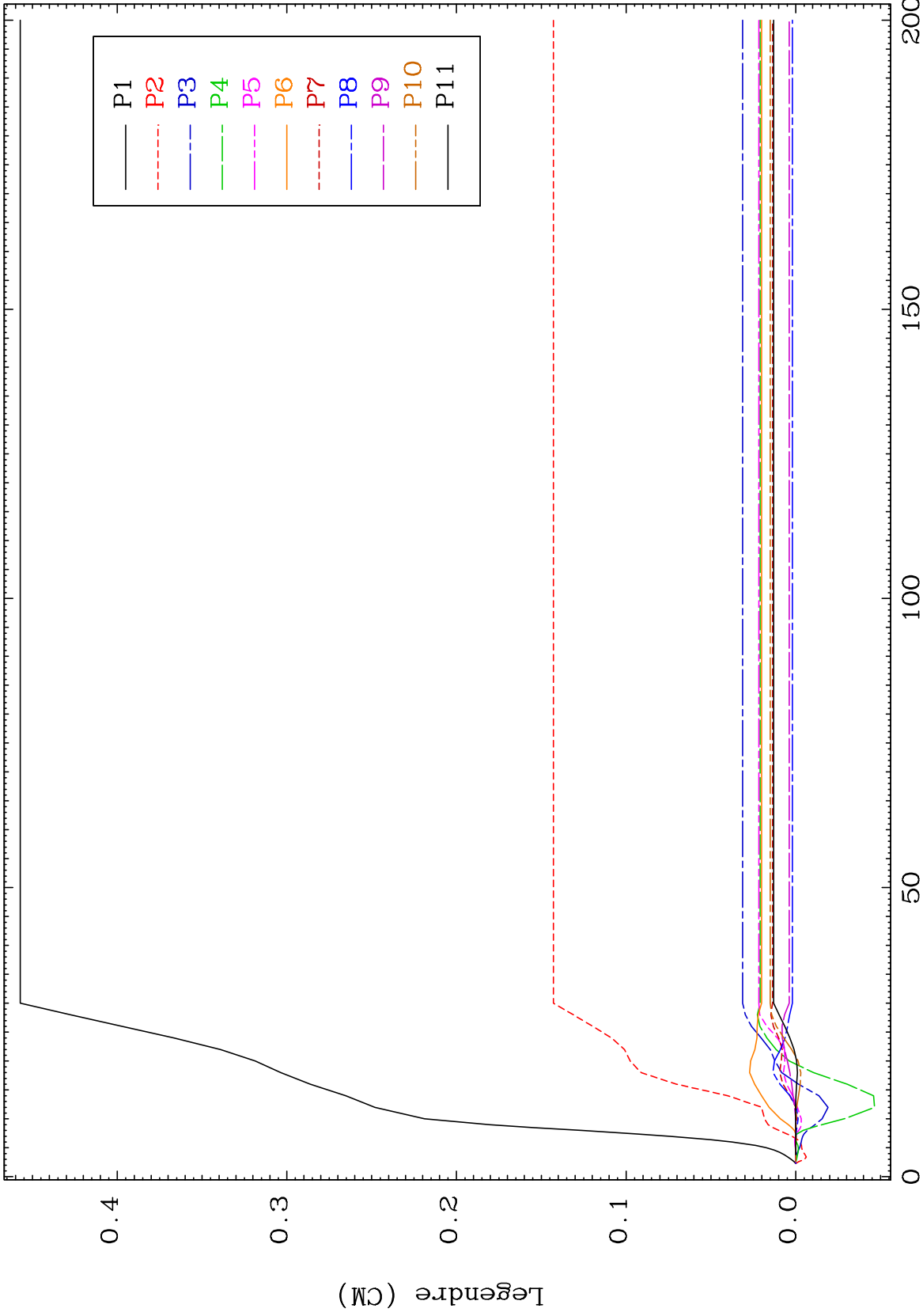
Incident Energy (MeV)

27-Co-61

MAT 2731

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

27-Co-61



58

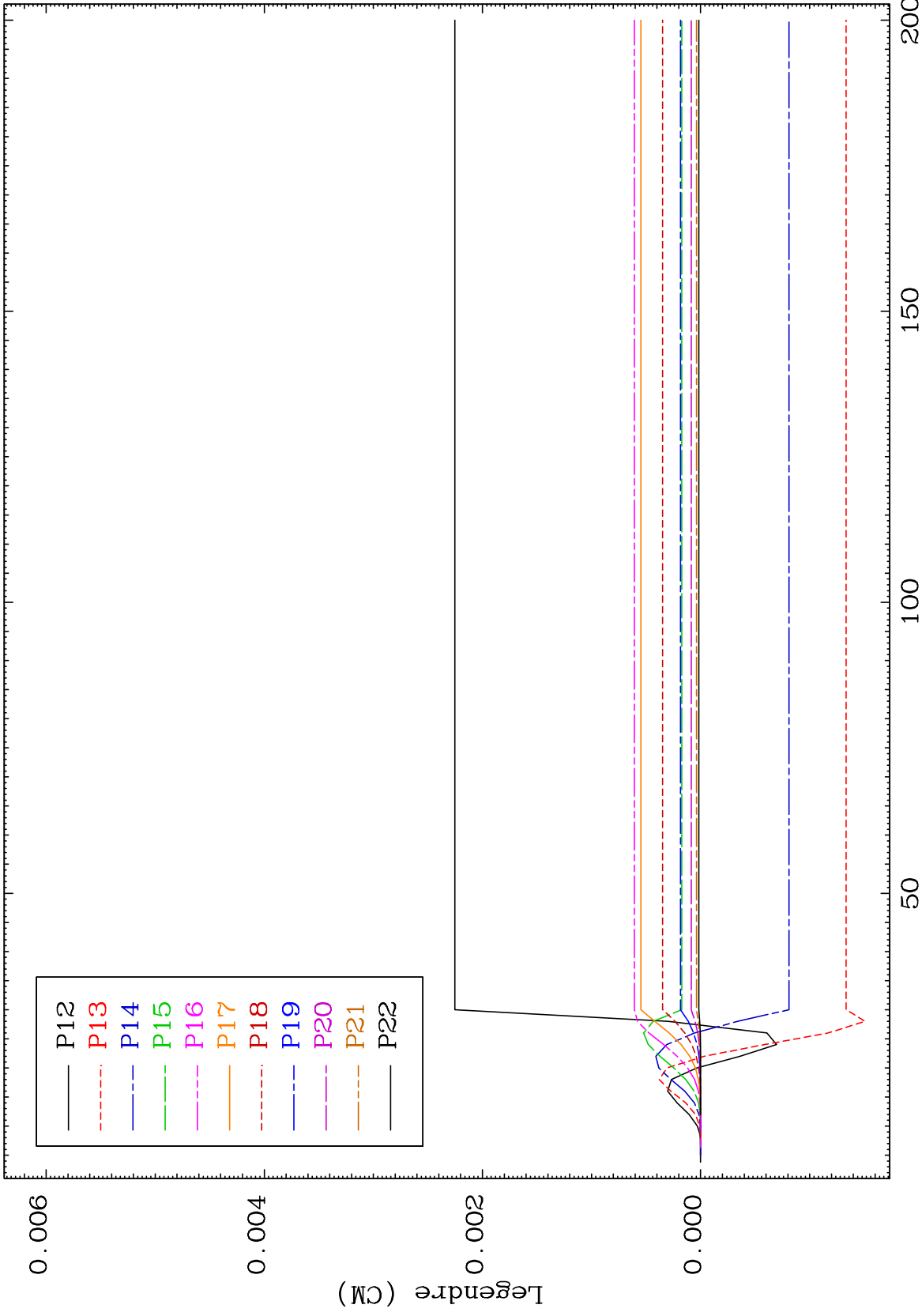
Incident Energy (MeV)

27-Co-61

MAT 2731

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

27-Co-61



59

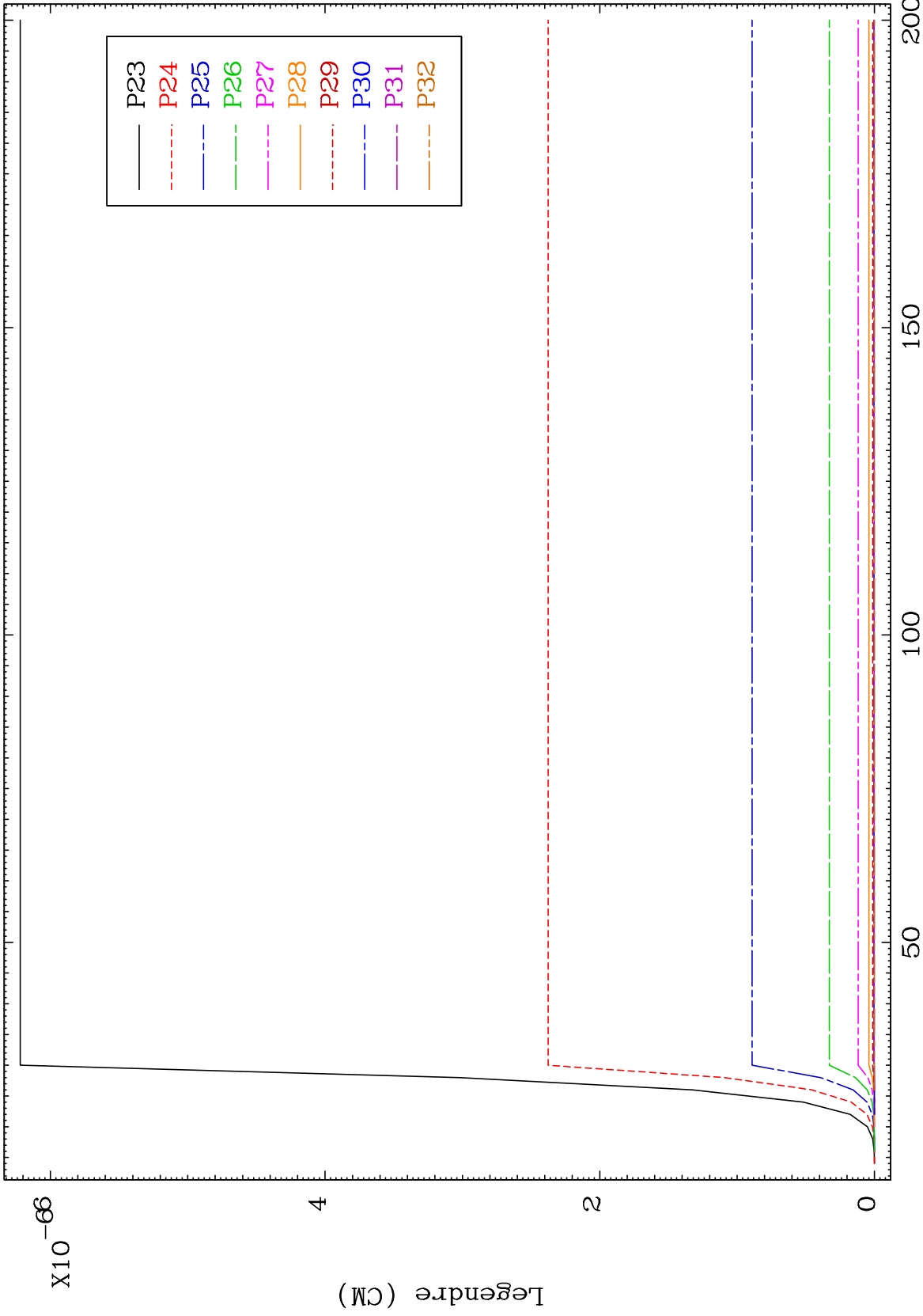
Incident Energy (MeV)

27-Co-61

MAT 2731

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

27-Co-61



60

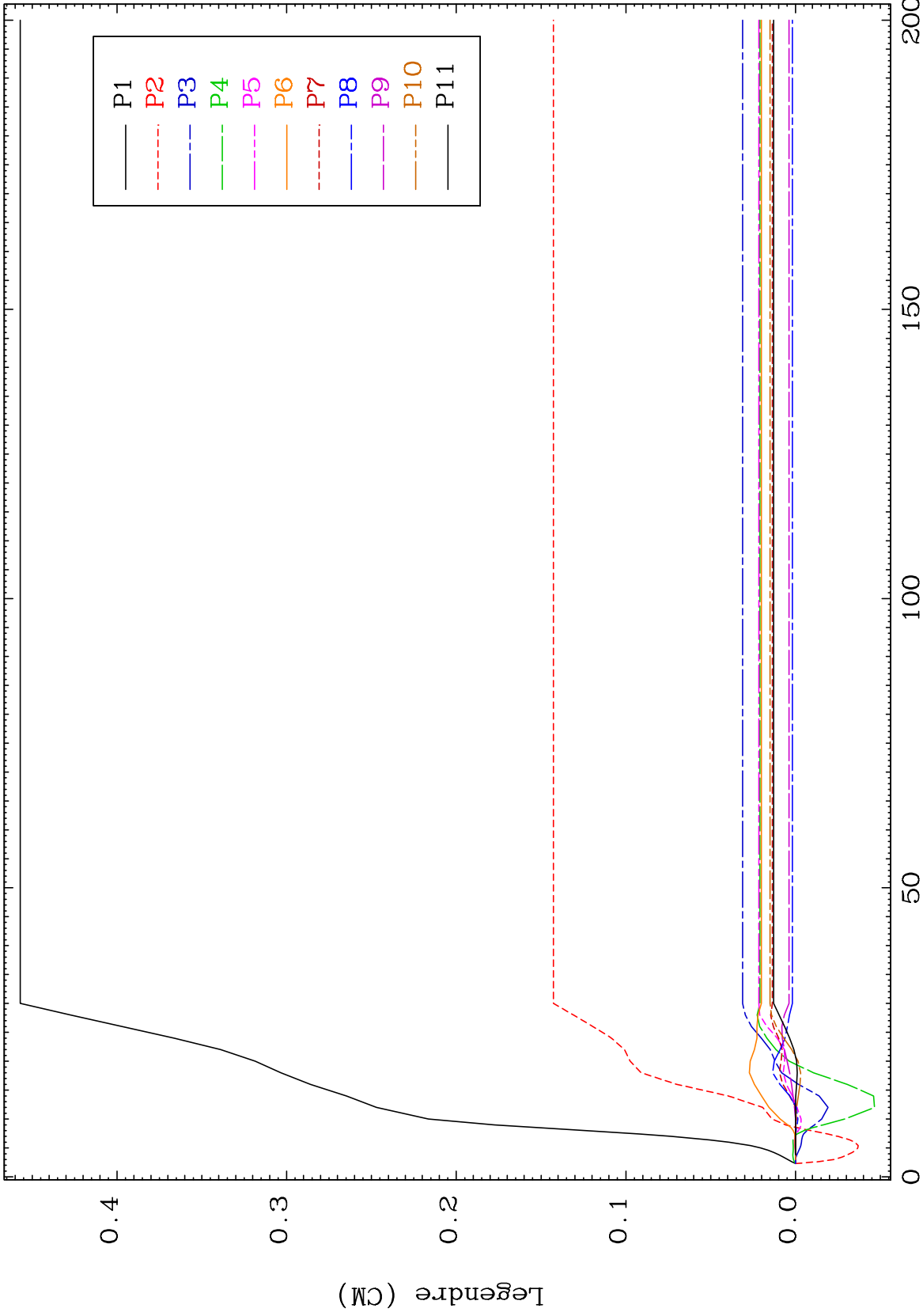
Incident Energy (MeV)

27-Co-61

MAT 2731

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

27-Co-61



61

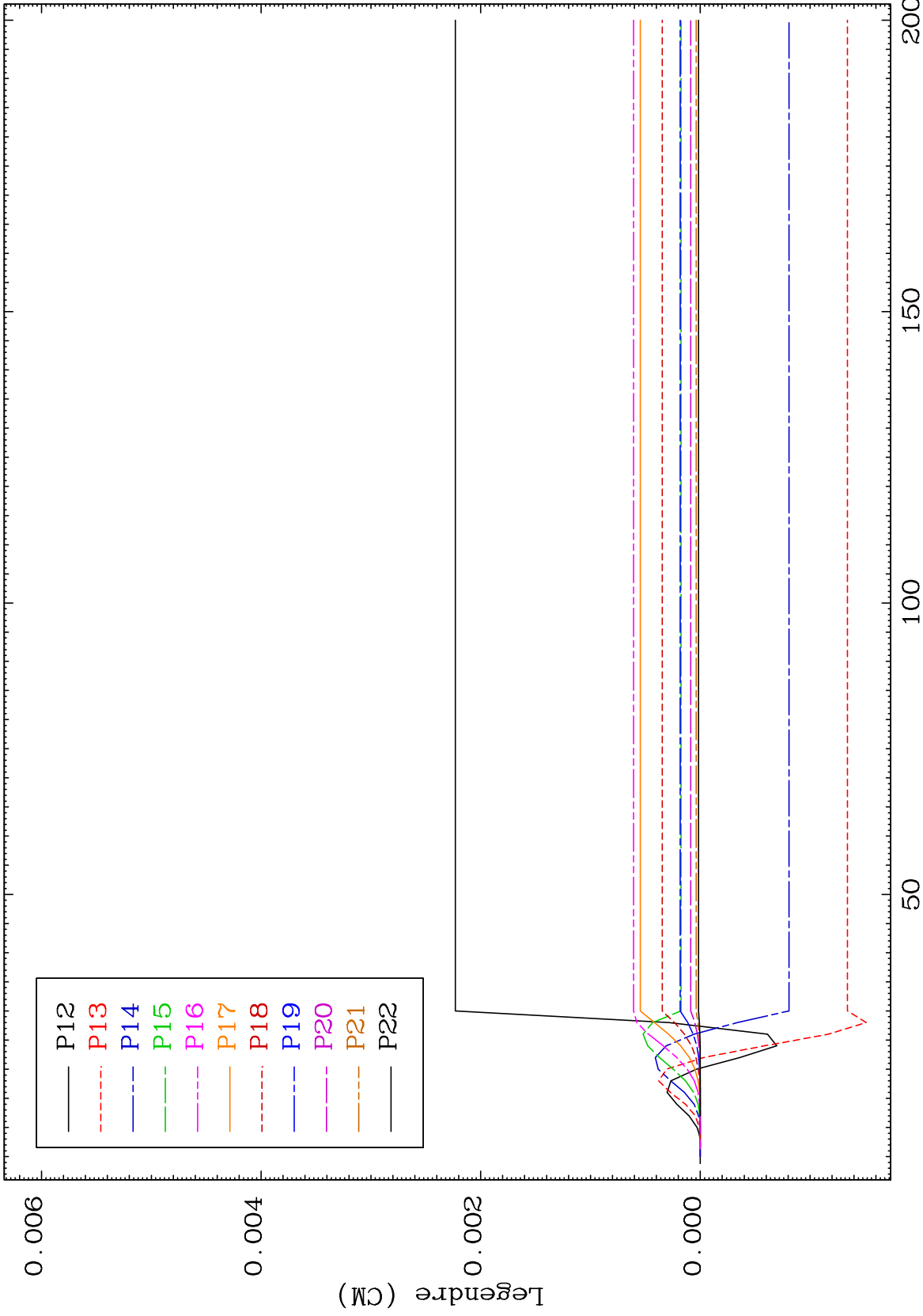
Incident Energy (MeV)

27-Co-61

MAT 2731

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

27-Co-61



62

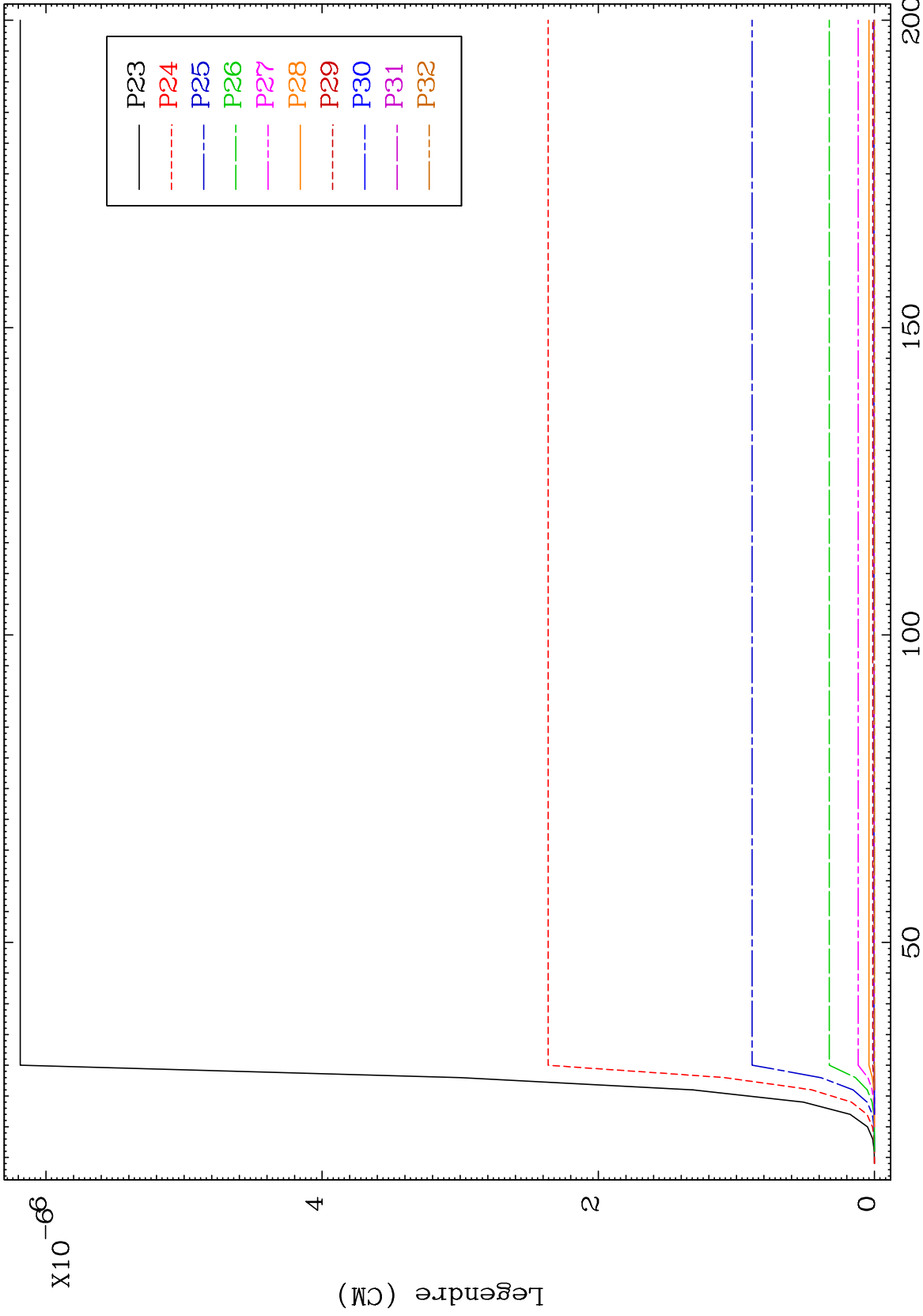
Incident Energy (MeV)

27-Co-61

MAT 2731

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

27-Co-61



63

Incident Energy (MeV)

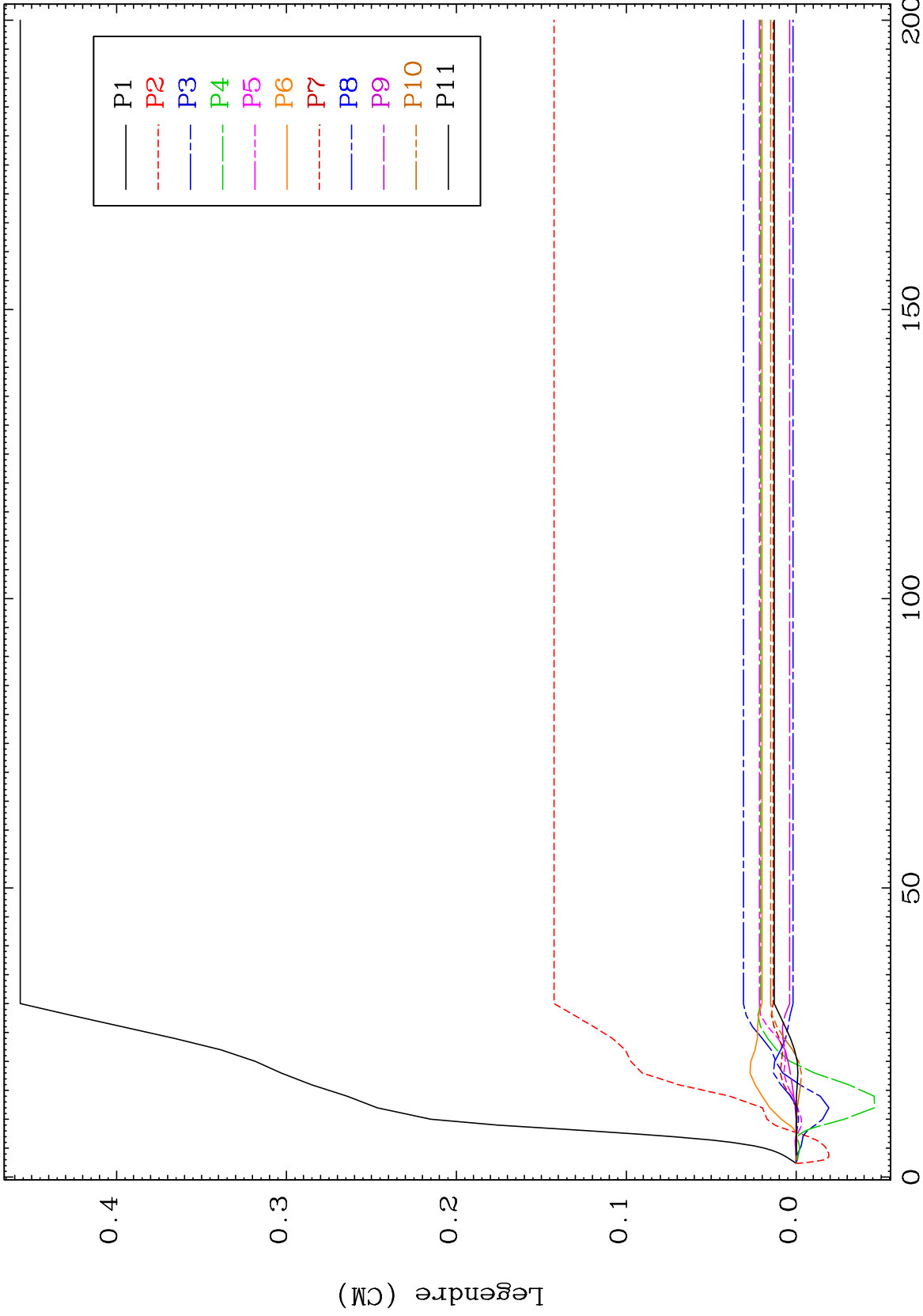
27-Co-61



MAT 2731

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

27-Co-61



64

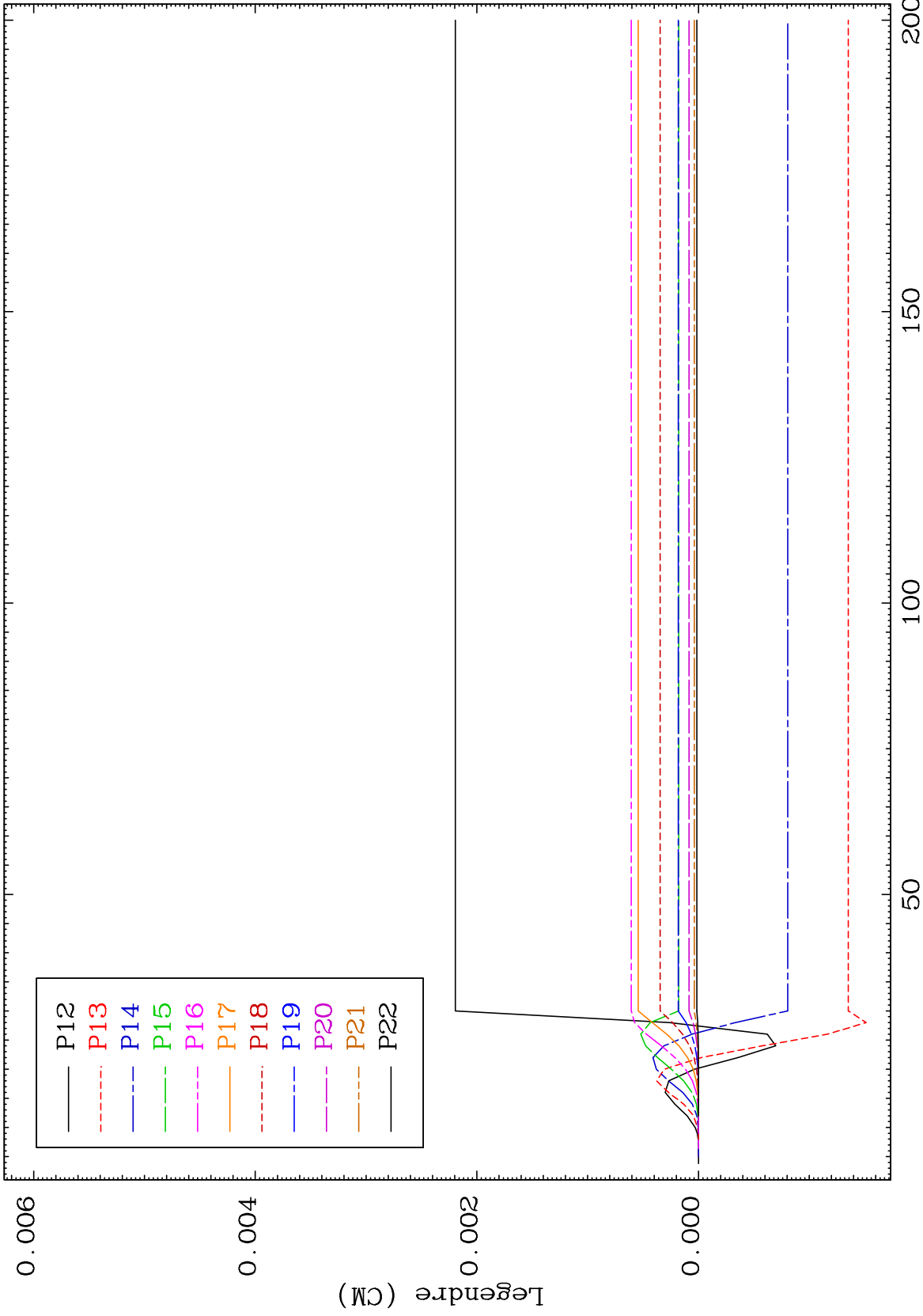
Incident Energy (MeV)

27-Co-61

MAT 2731

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

27-Co-61



65

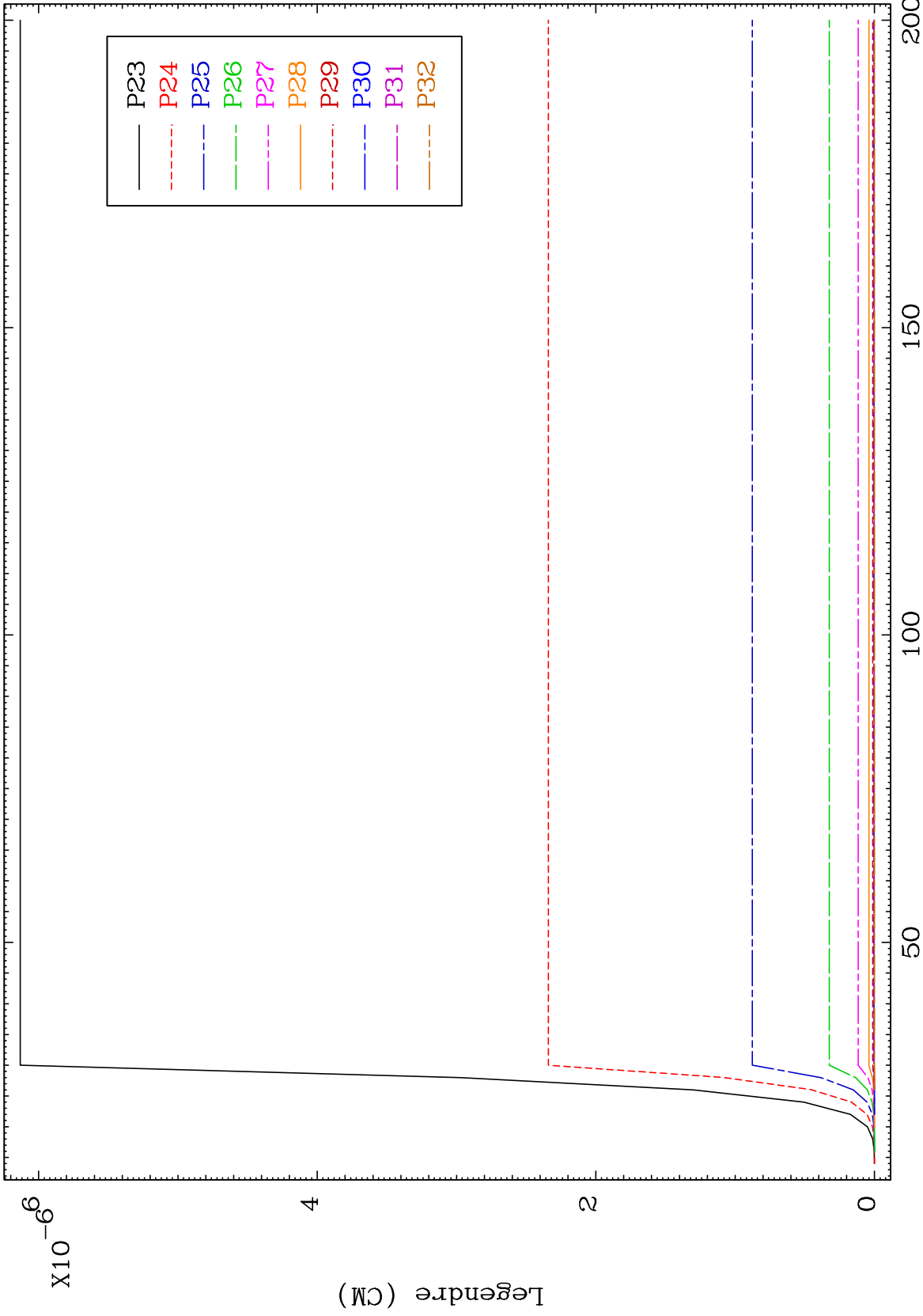
Incident Energy (MeV)

27-Co-61

MAT 2731

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

27-Co-61

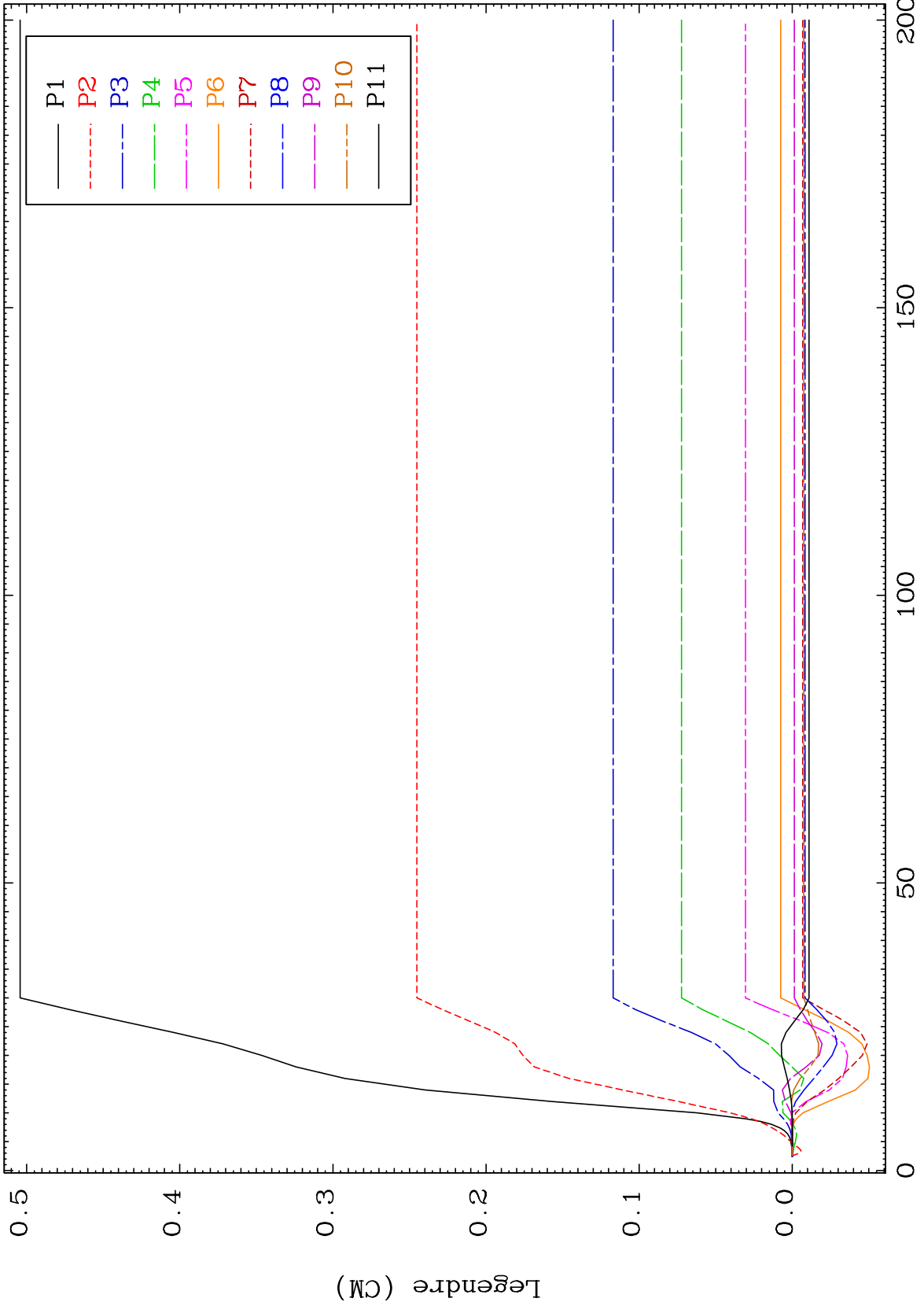


66

Incident Energy (MeV)

27-Co-61

MAT 2731 MT= 67 (n,n') Level Legendre Coefficients 27-Co-61

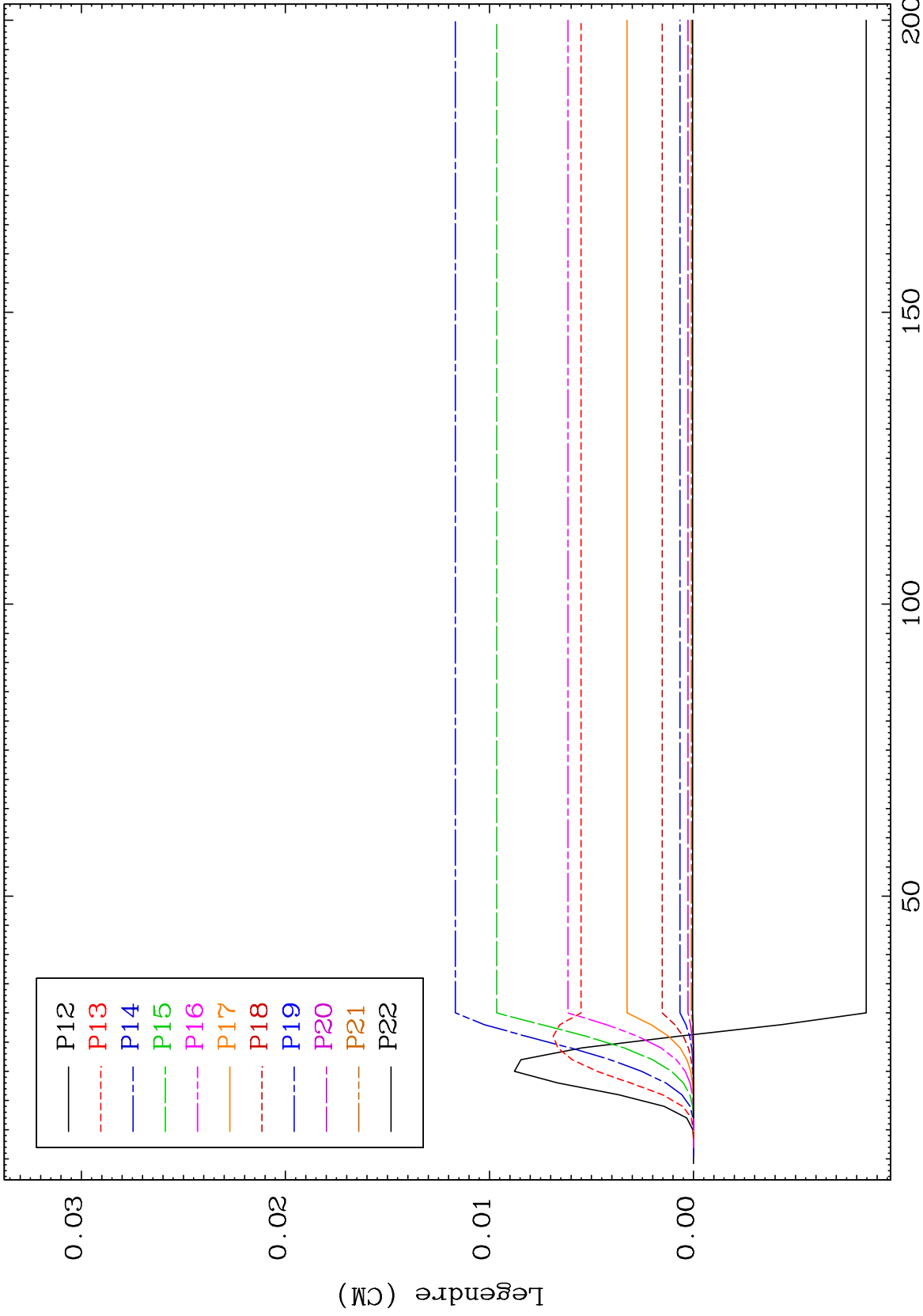


67 27-Co-61

MAT 2731

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

27-Co-61



68

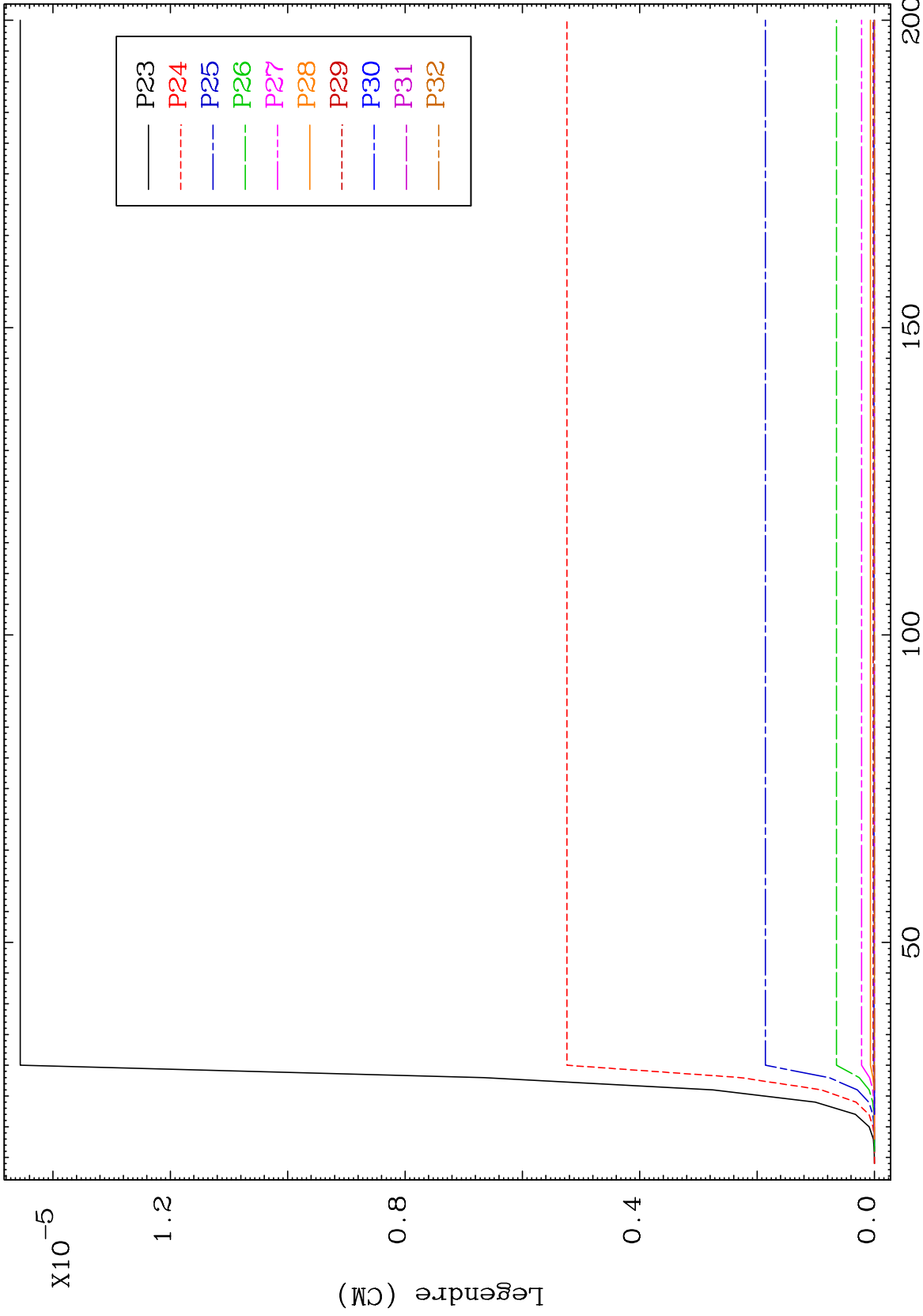
Incident Energy (MeV)

27-Co-61

MAT 2731

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

27-Co-61



69

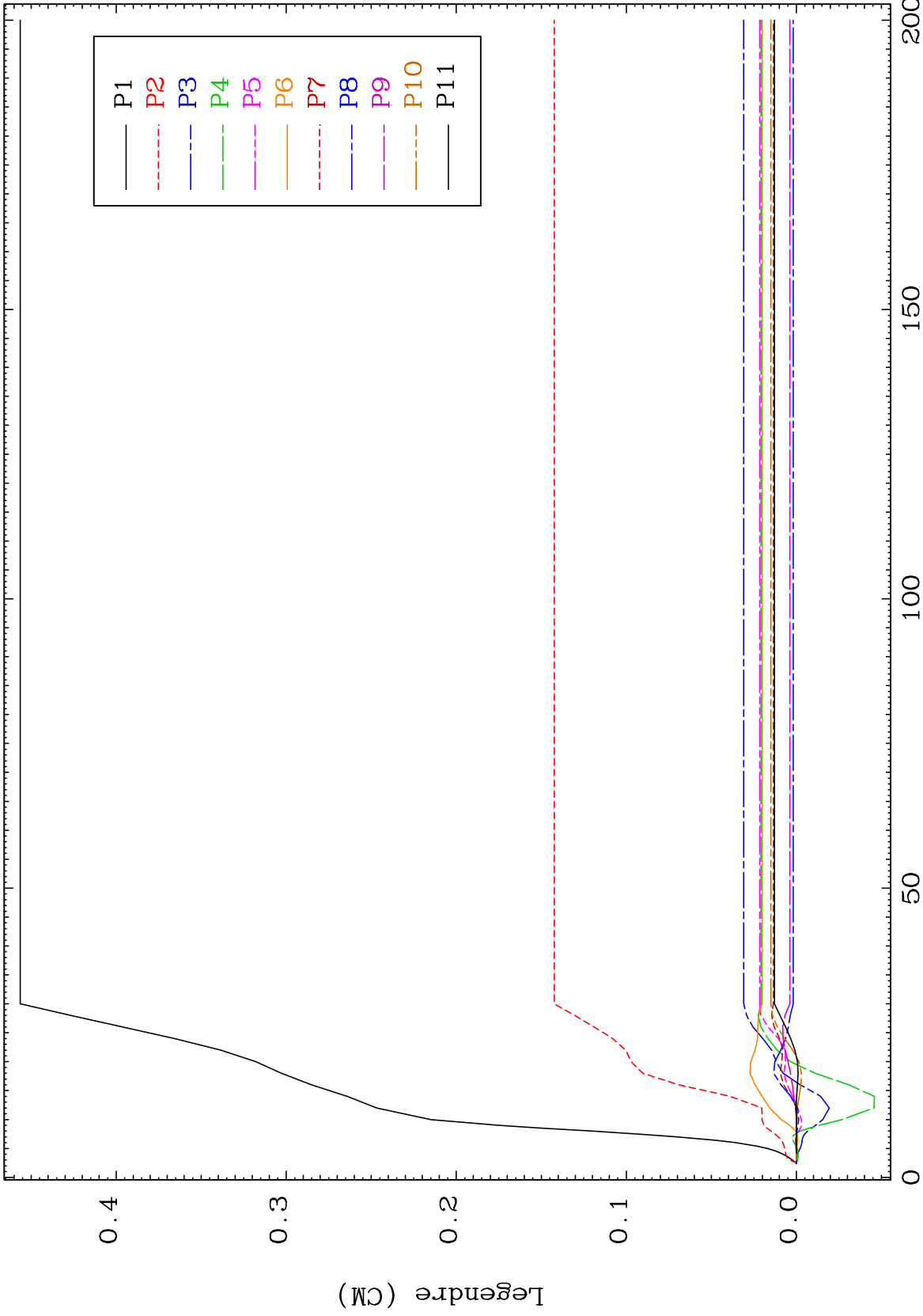
Incident Energy (MeV)

27-Co-61

MAT 2731

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

27-Co-61



70

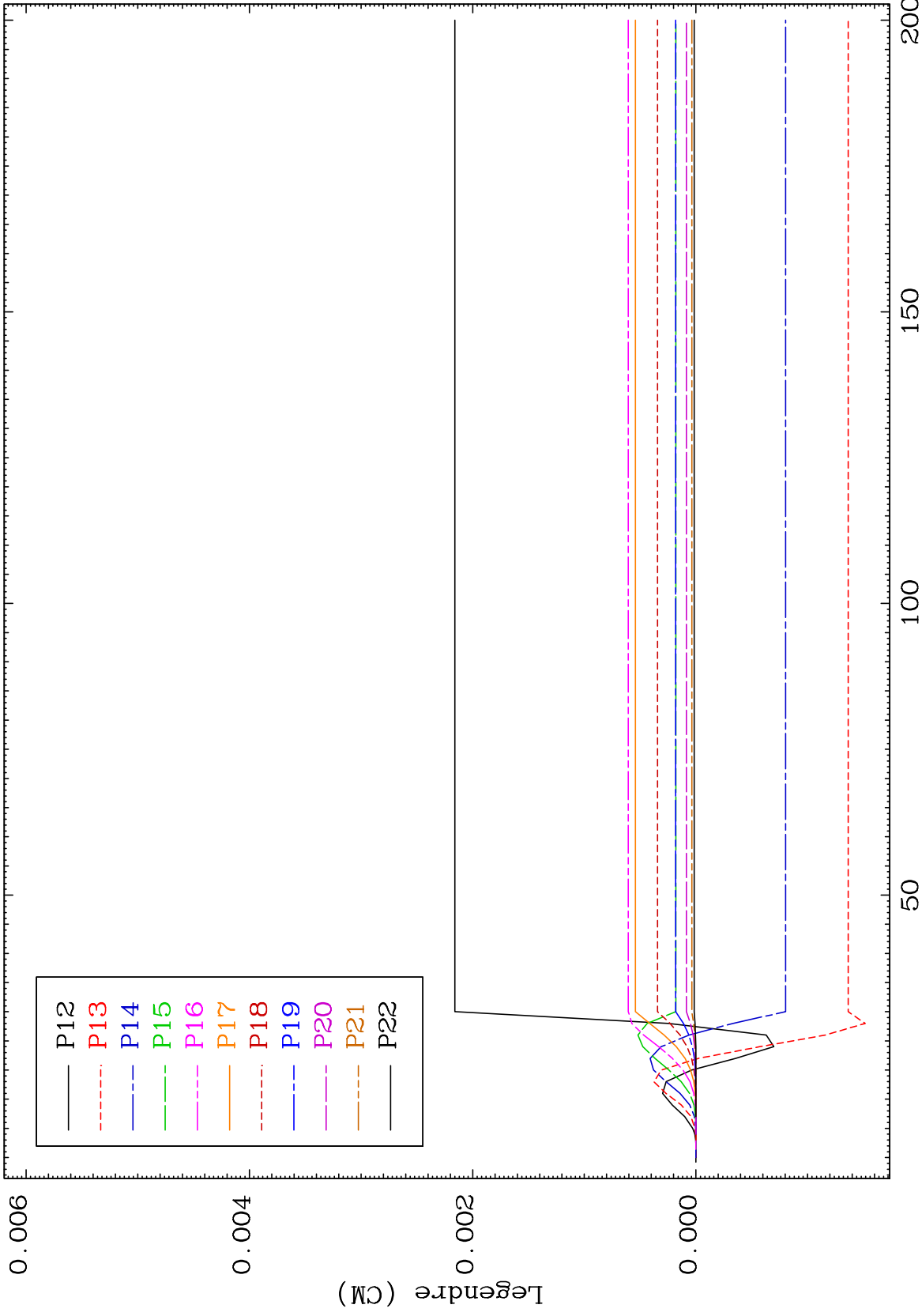
Incident Energy (MeV)

27-Co-61

MAT 2731

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

27-Co-61



71

Incident Energy (MeV)

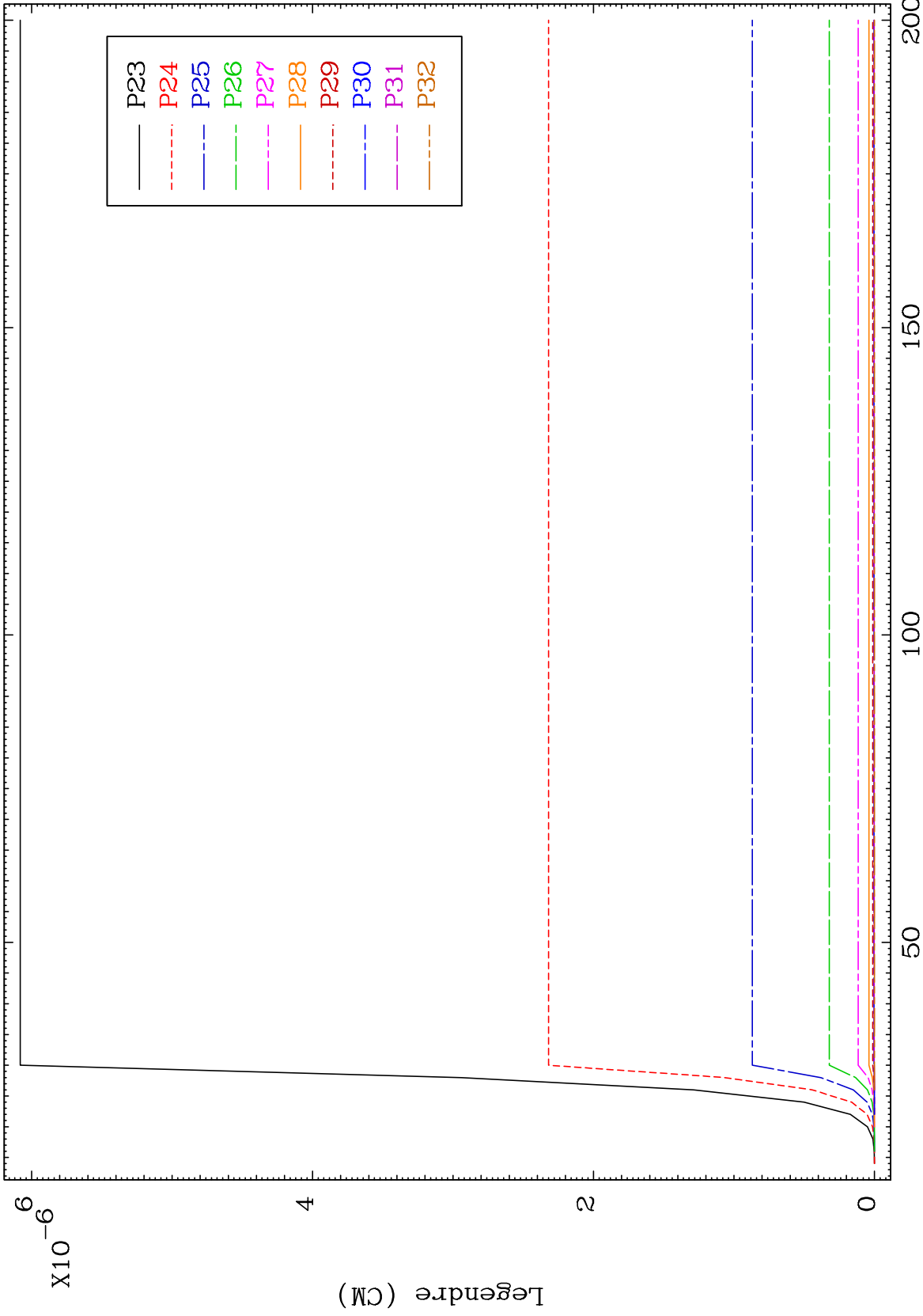
27-Co-61



MAT 2731

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

27-Co-61



72

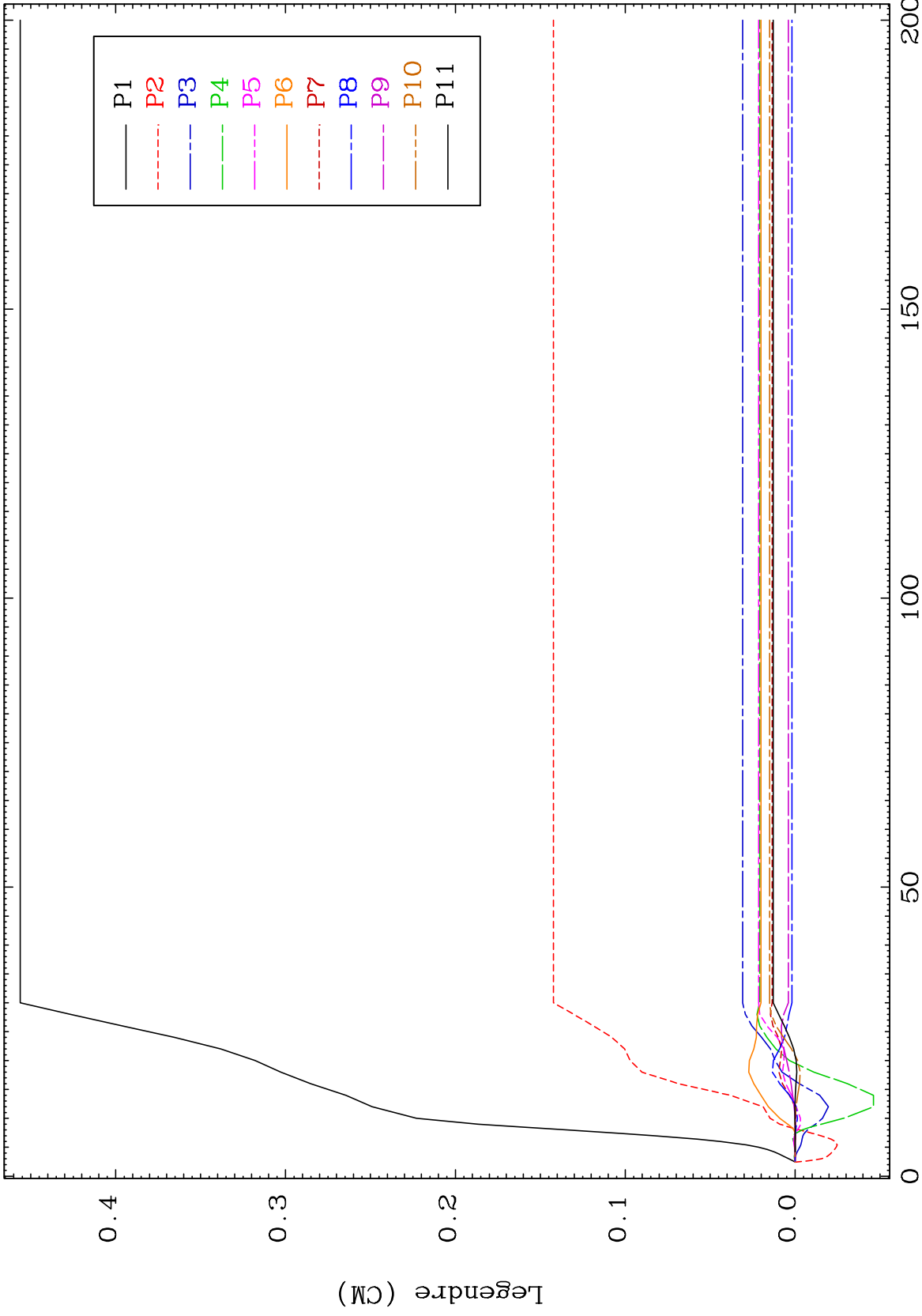
Incident Energy (MeV)

27-Co-61

MAT 2731

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

27-Co-61



73

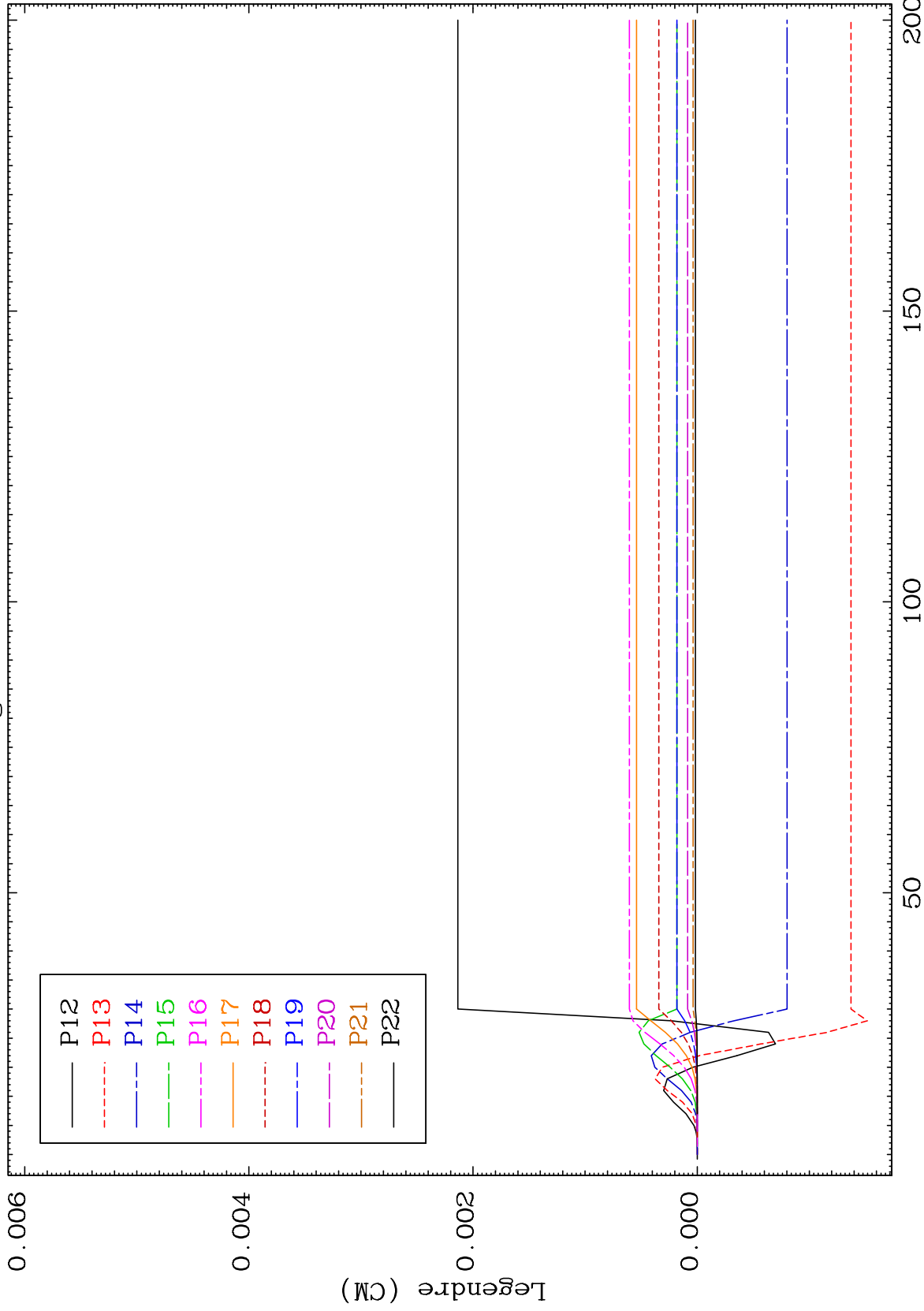
Incident Energy (MeV)

27-Co-61

MAT 2731

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

27-Co-61



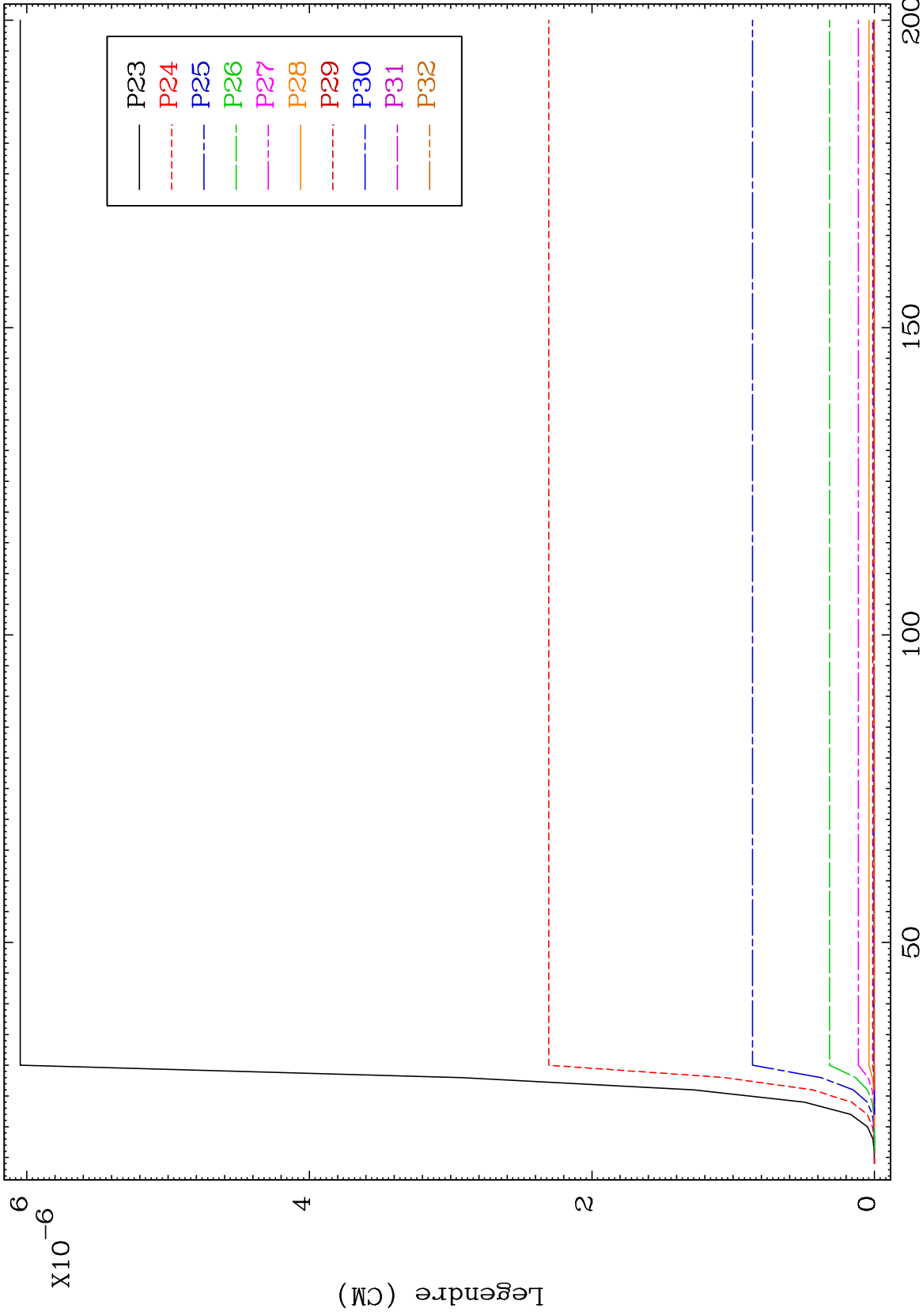
74

27-Co-61

MAT 2731

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

27-Co-61

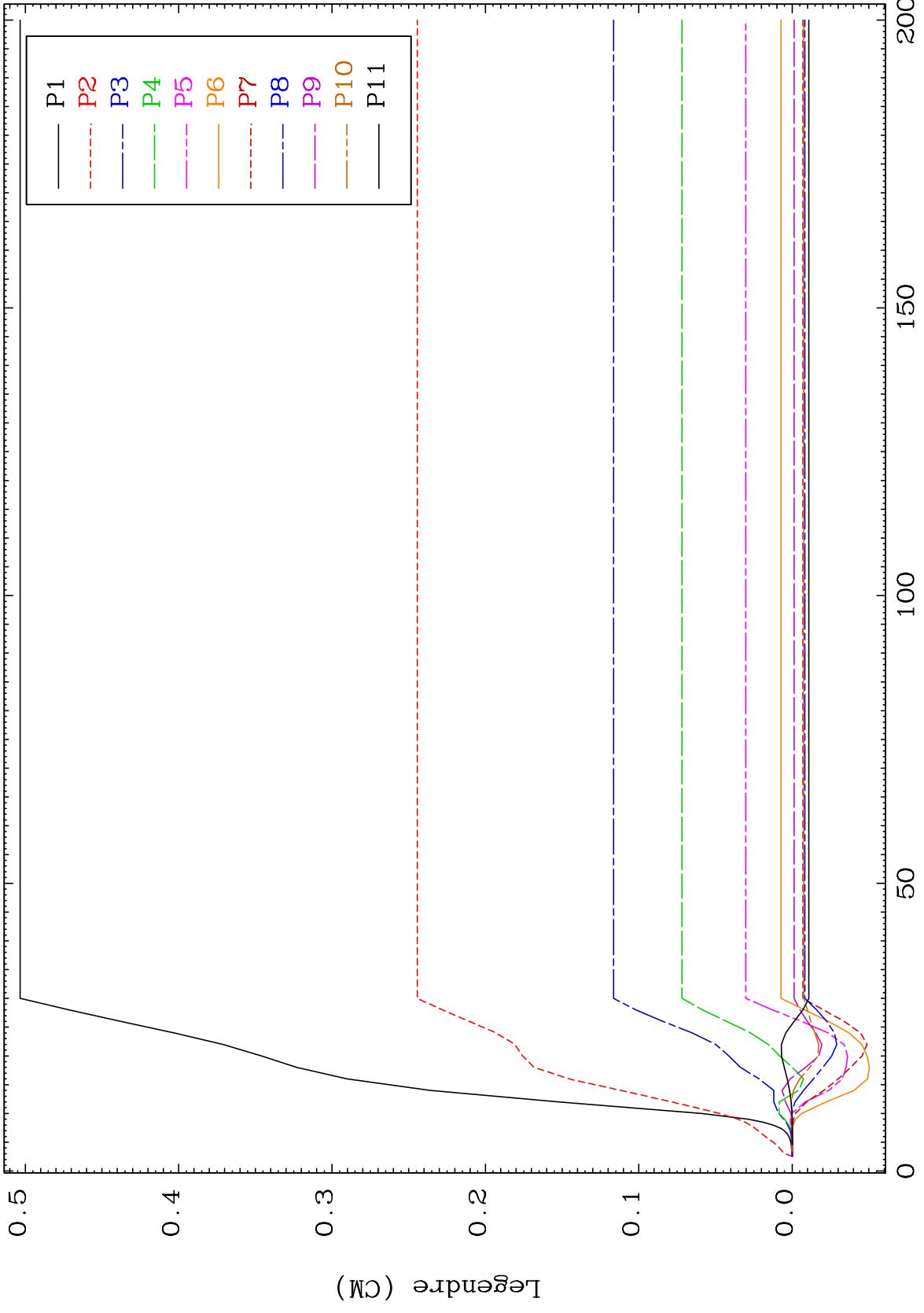


75

Incident Energy (MeV)

27-Co-61

MAT 2731 MT= 70 (n,n') Level Legendre Coefficients 27-Co-61

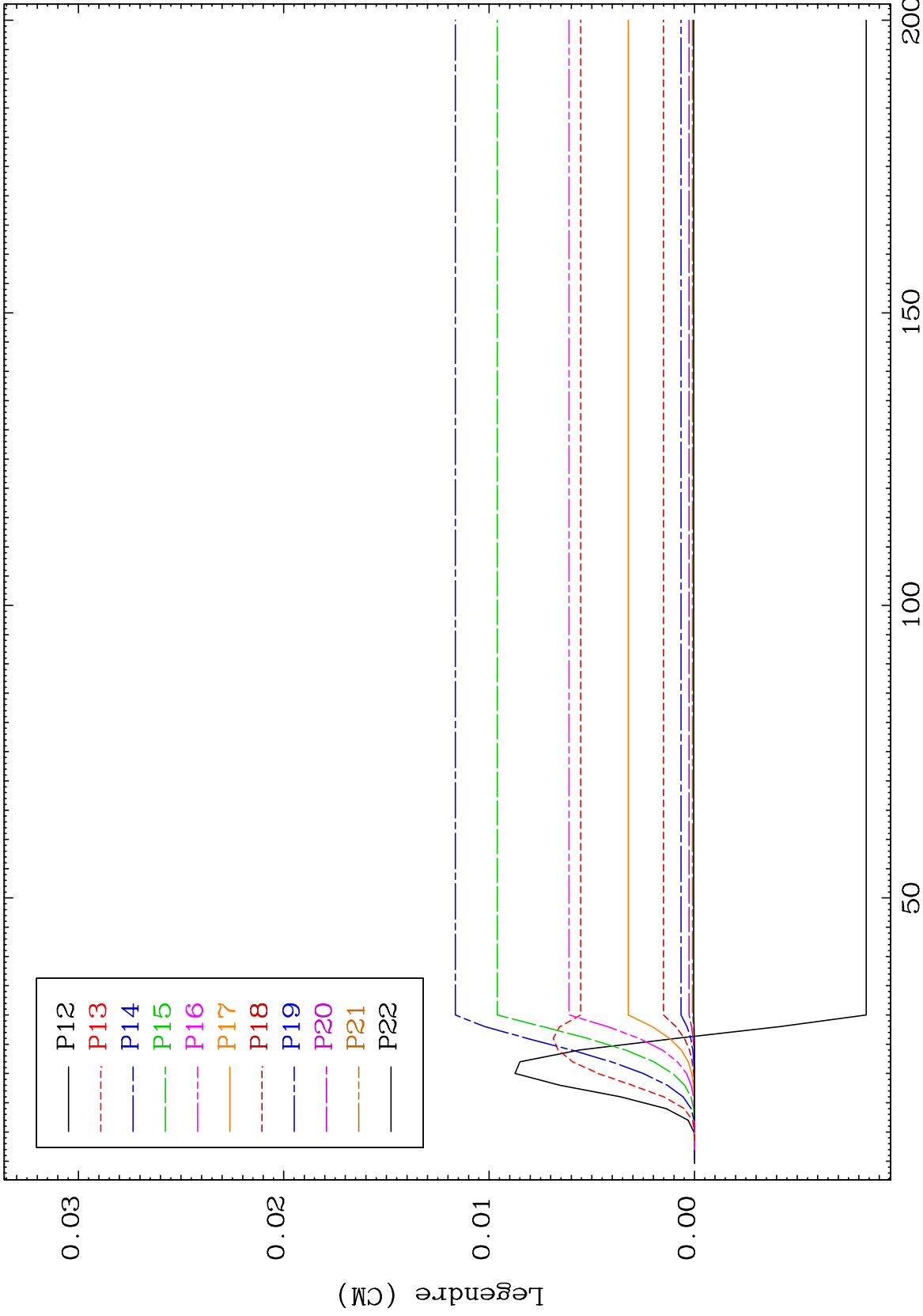


76 Incident Energy (MeV) 27-Co-61

MAT 2731

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

27-Co-61



77

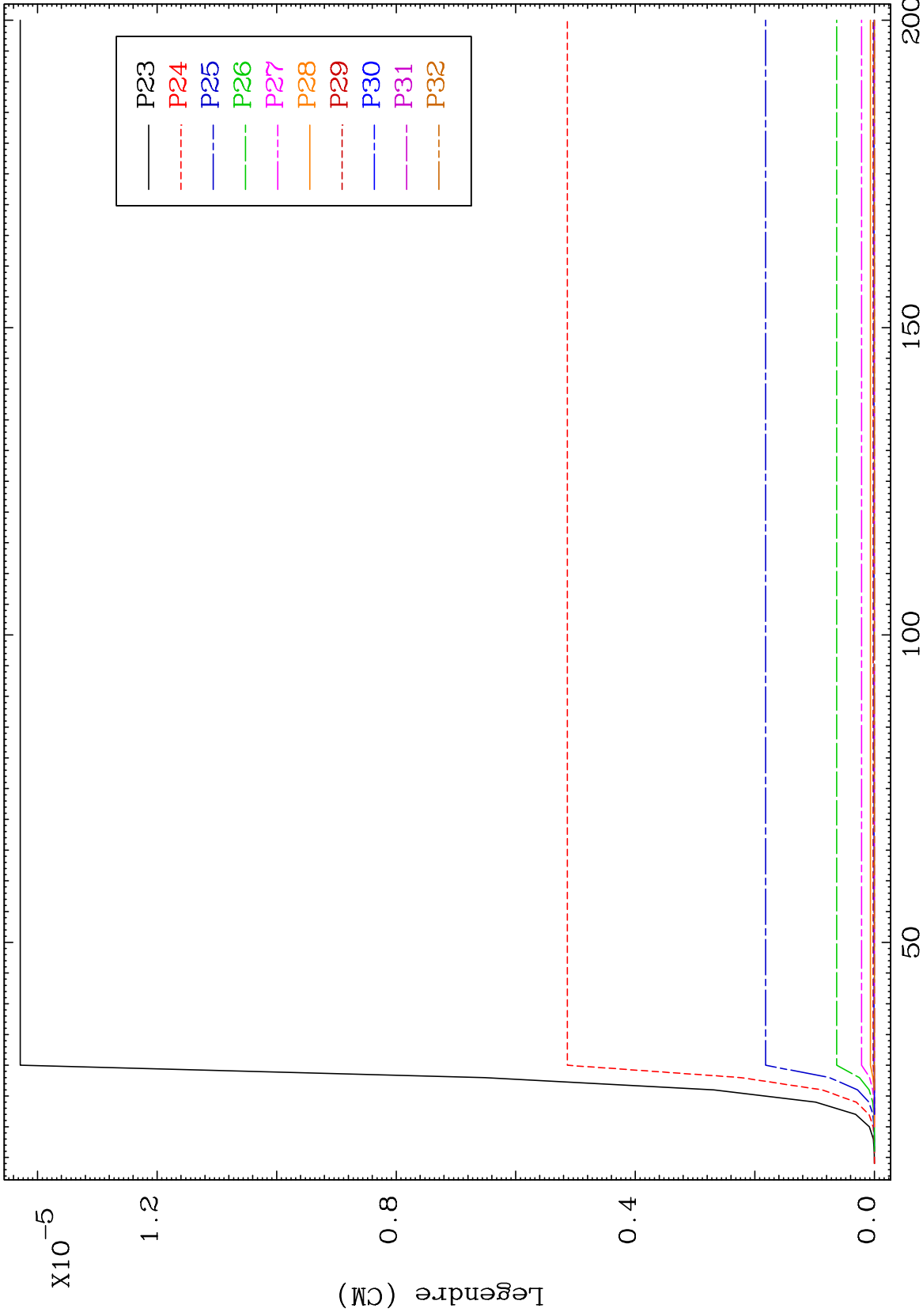
Incident Energy (MeV)

27-Co-61

MAT 2731

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

27-Co-61

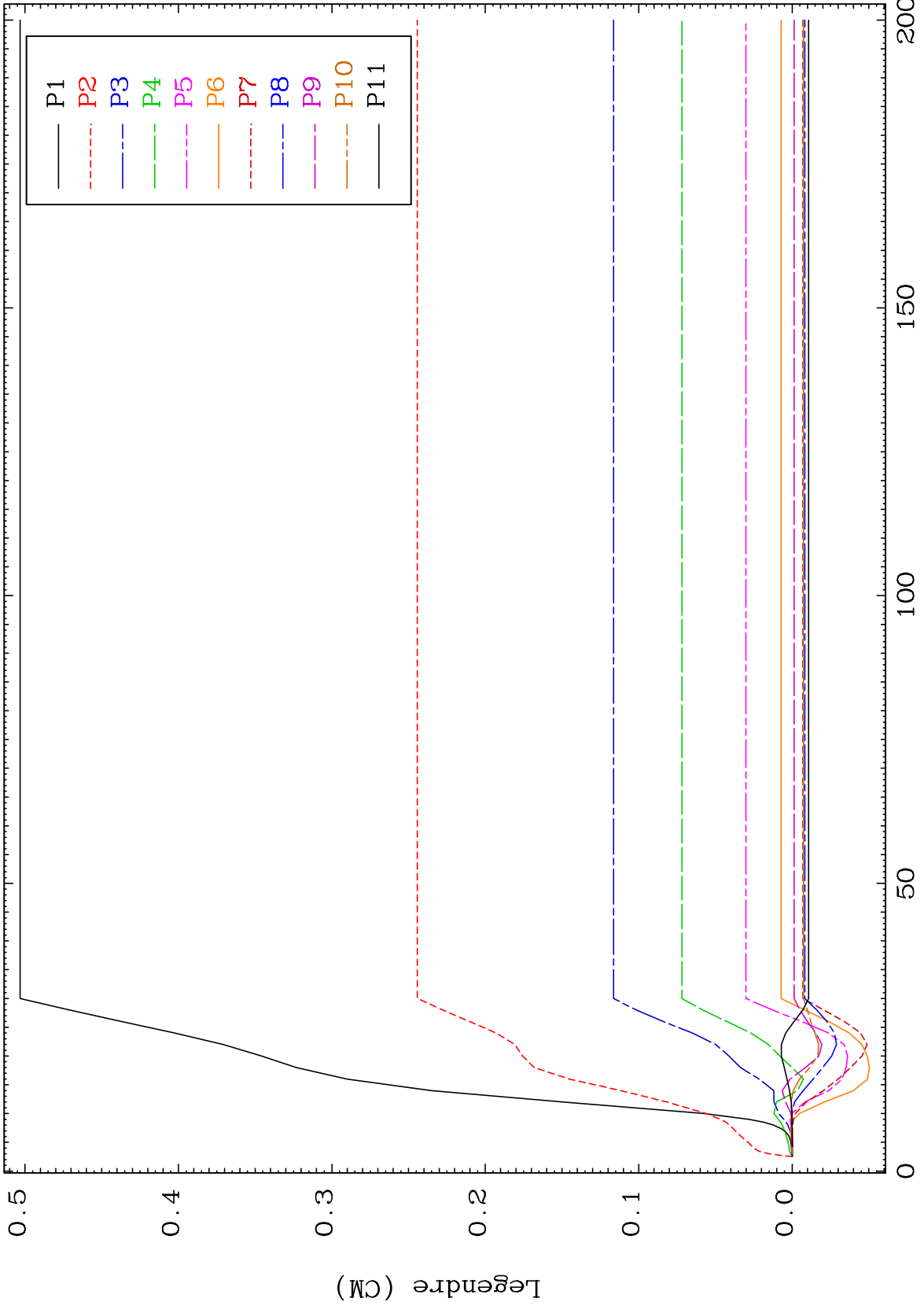


78

Incident Energy (MeV)

27-Co-61

MAT 2731 MT= 71 (n,n') Level Legendre Coefficients 27-Co-61



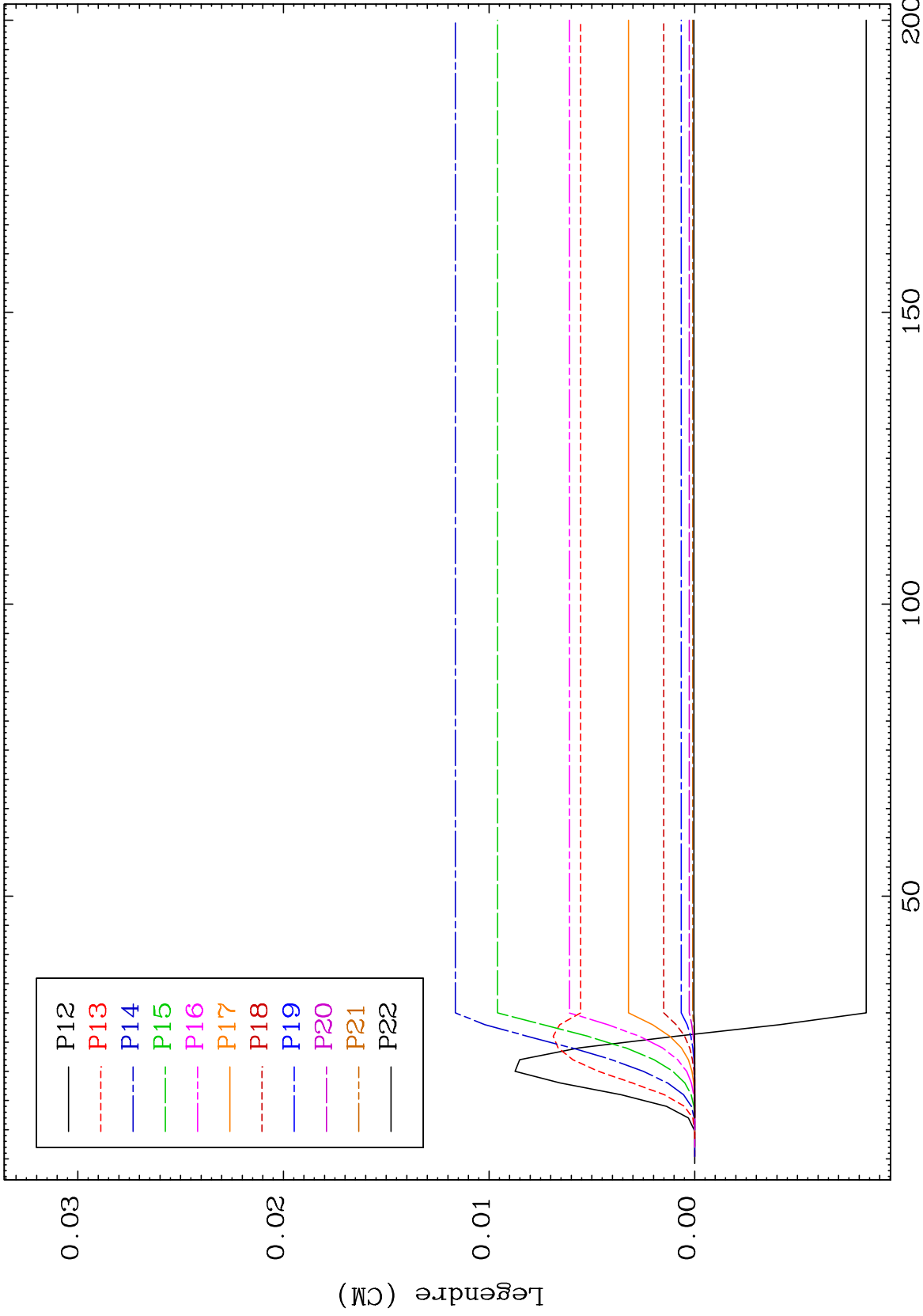
79 Incident Energy (MeV) 27-Co-61



MAT 2731

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

27-Co-61



80

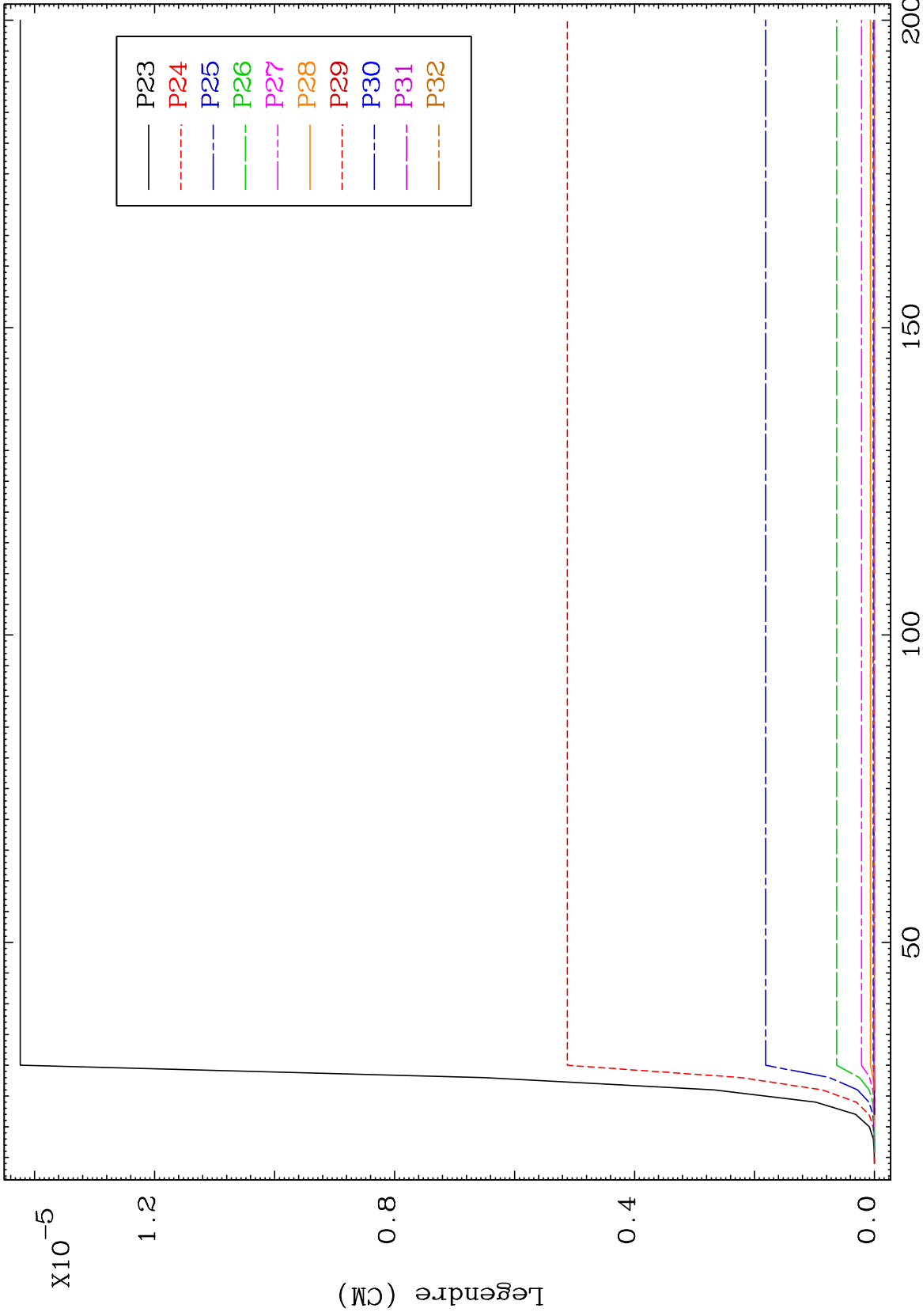
Incident Energy (MeV)

27-Co-61

MAT 2731

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

27-Co-61

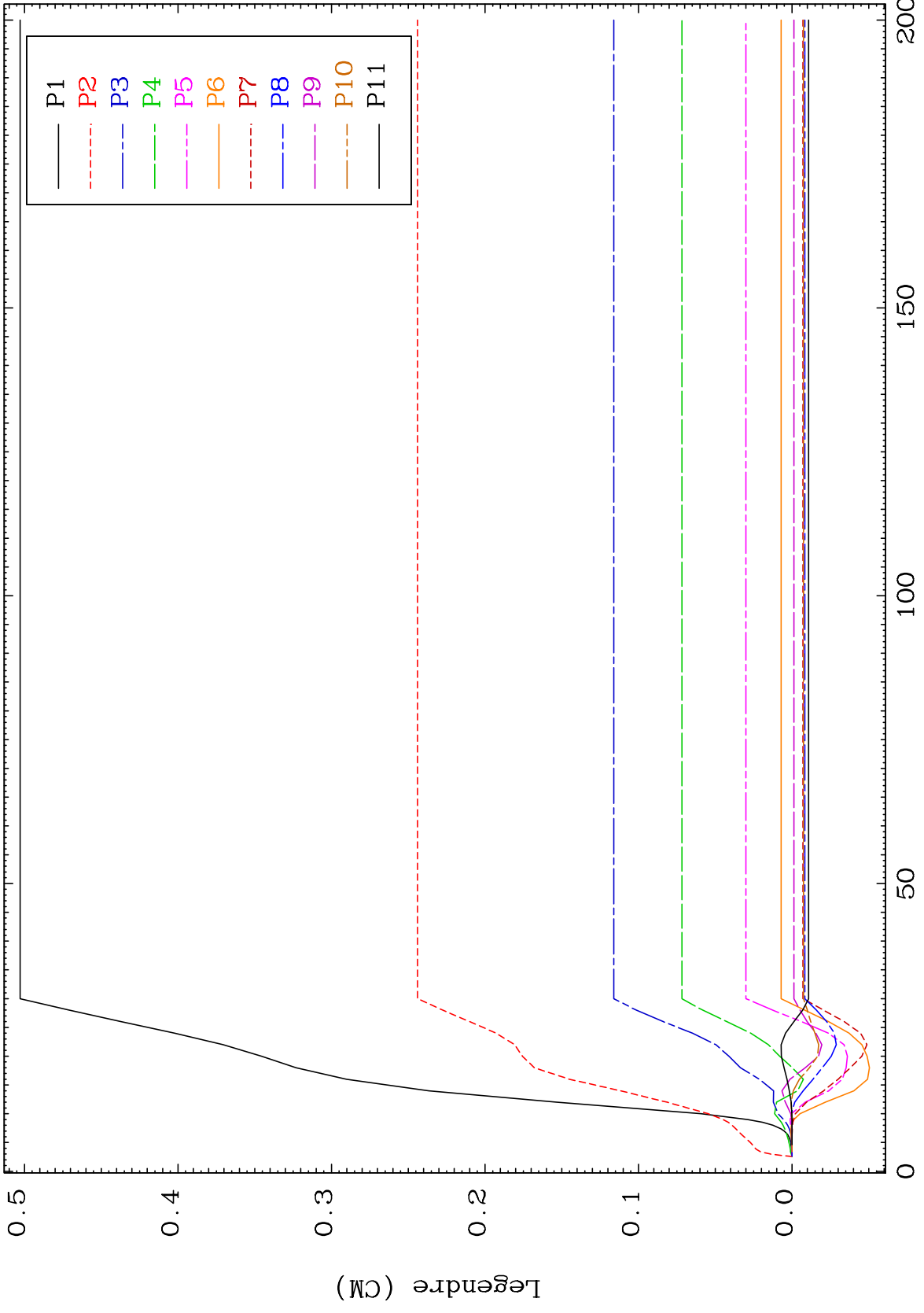


81

Incident Energy (MeV)

27-Co-61

MAT 2731 MT= 72 (n,n') Level Legendre Coefficients 27-Co-61

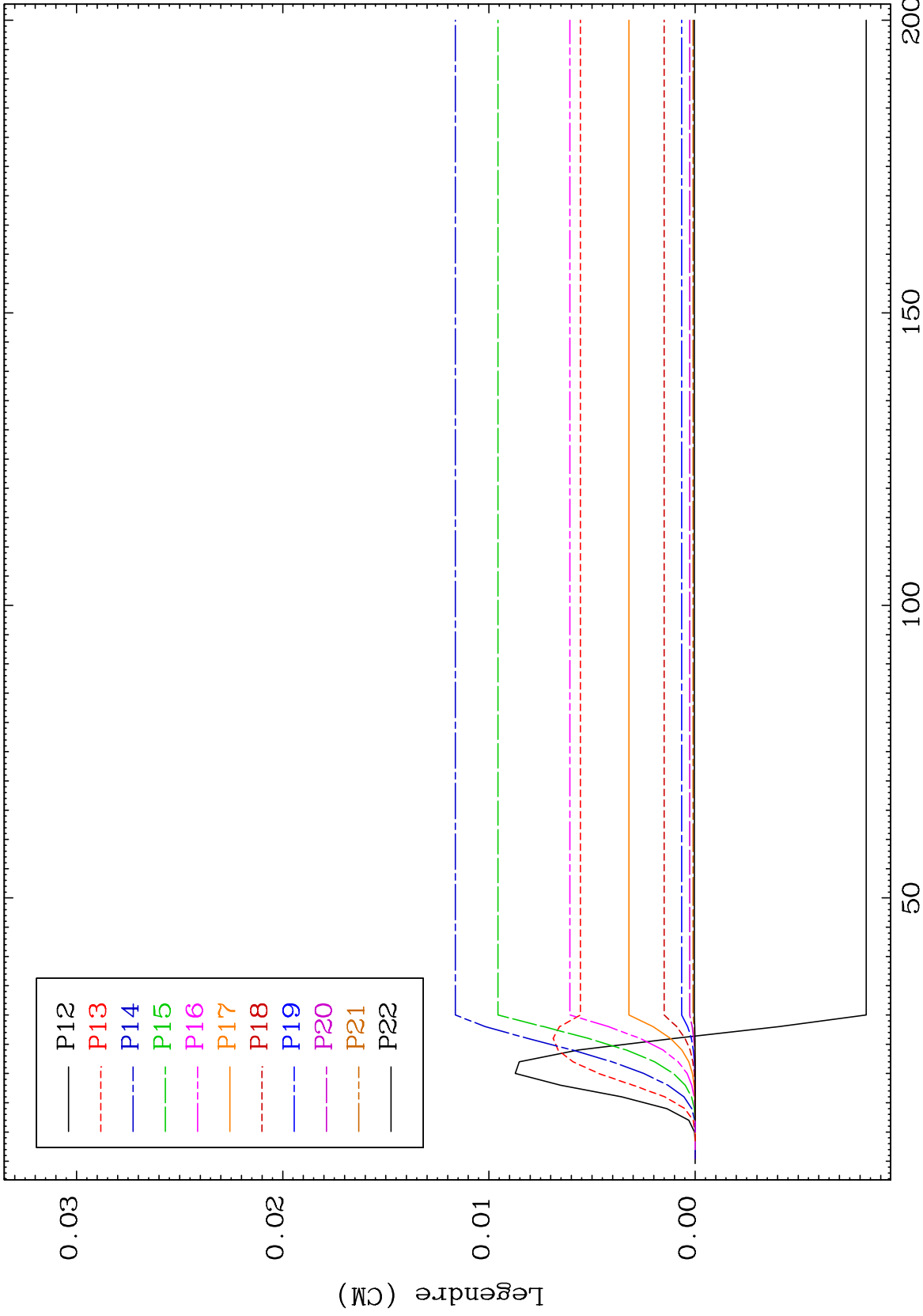


82 Incident Energy (MeV) 27-Co-61

MAT 2731

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

27-Co-61



83

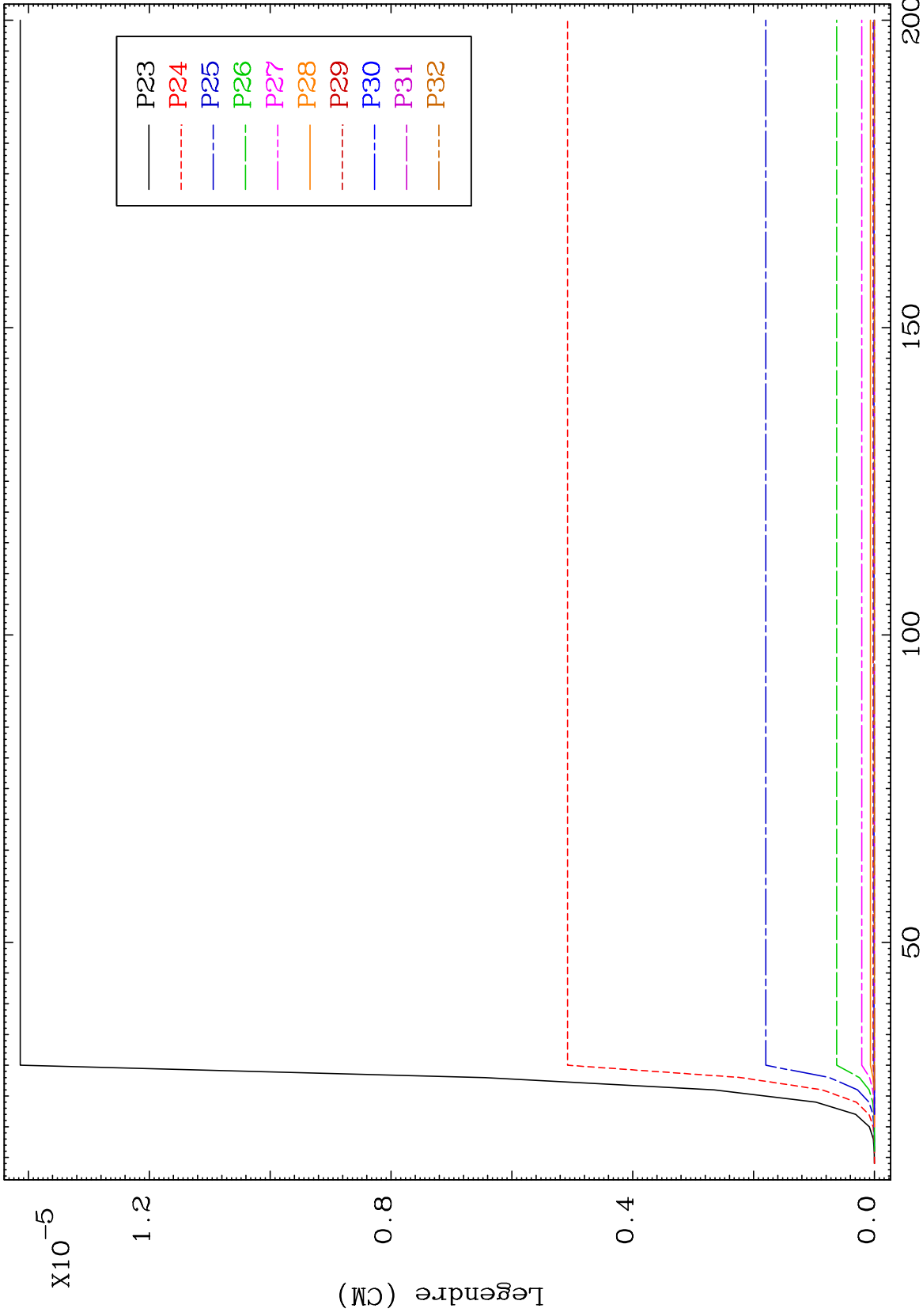
Incident Energy (MeV)

27-Co-61

MAT 2731

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

27-Co-61

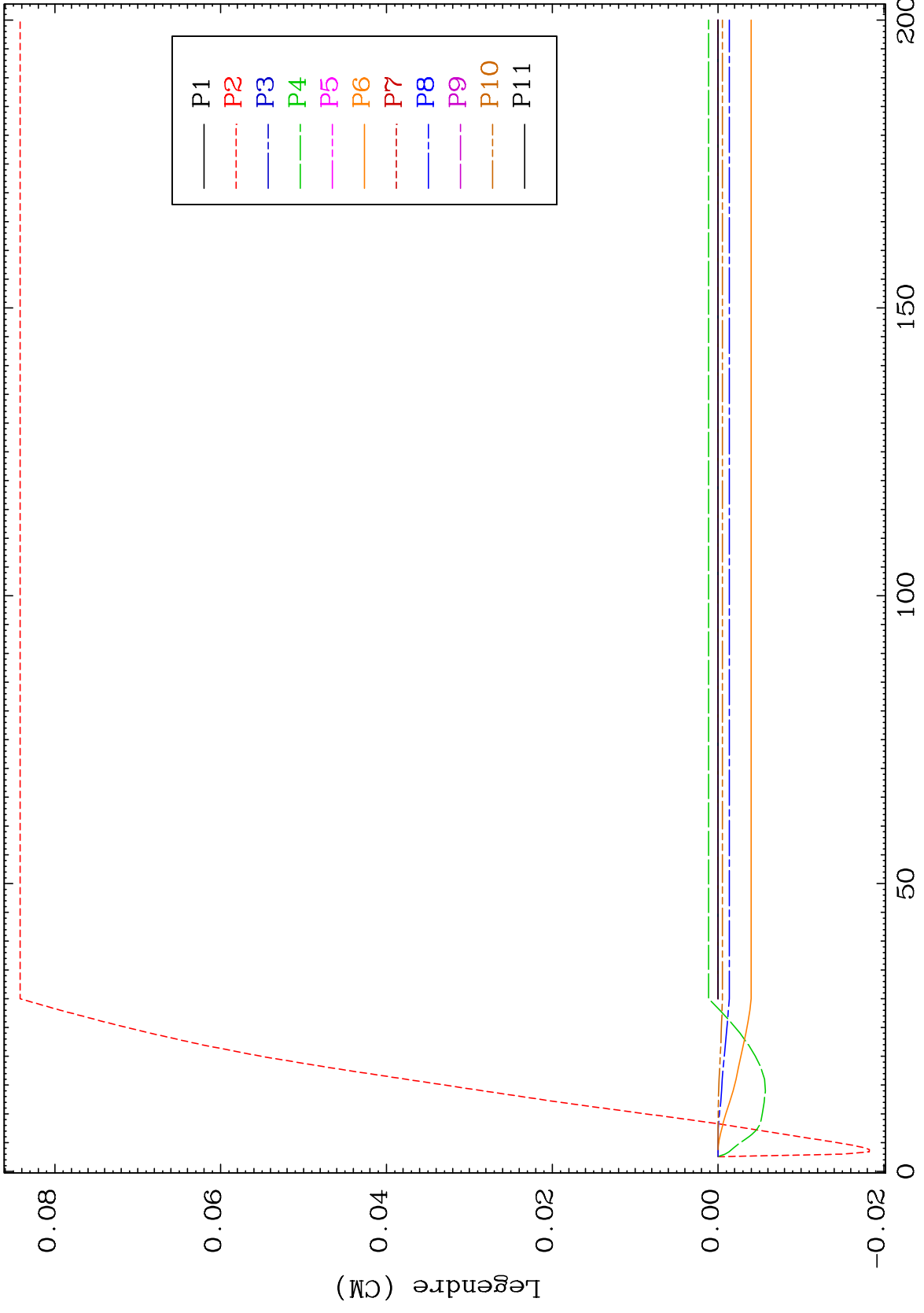


84

Incident Energy (MeV)

27-Co-61

MAT 2731 MT= 73 (n,n') Level Legendre Coefficients 27-Co-61

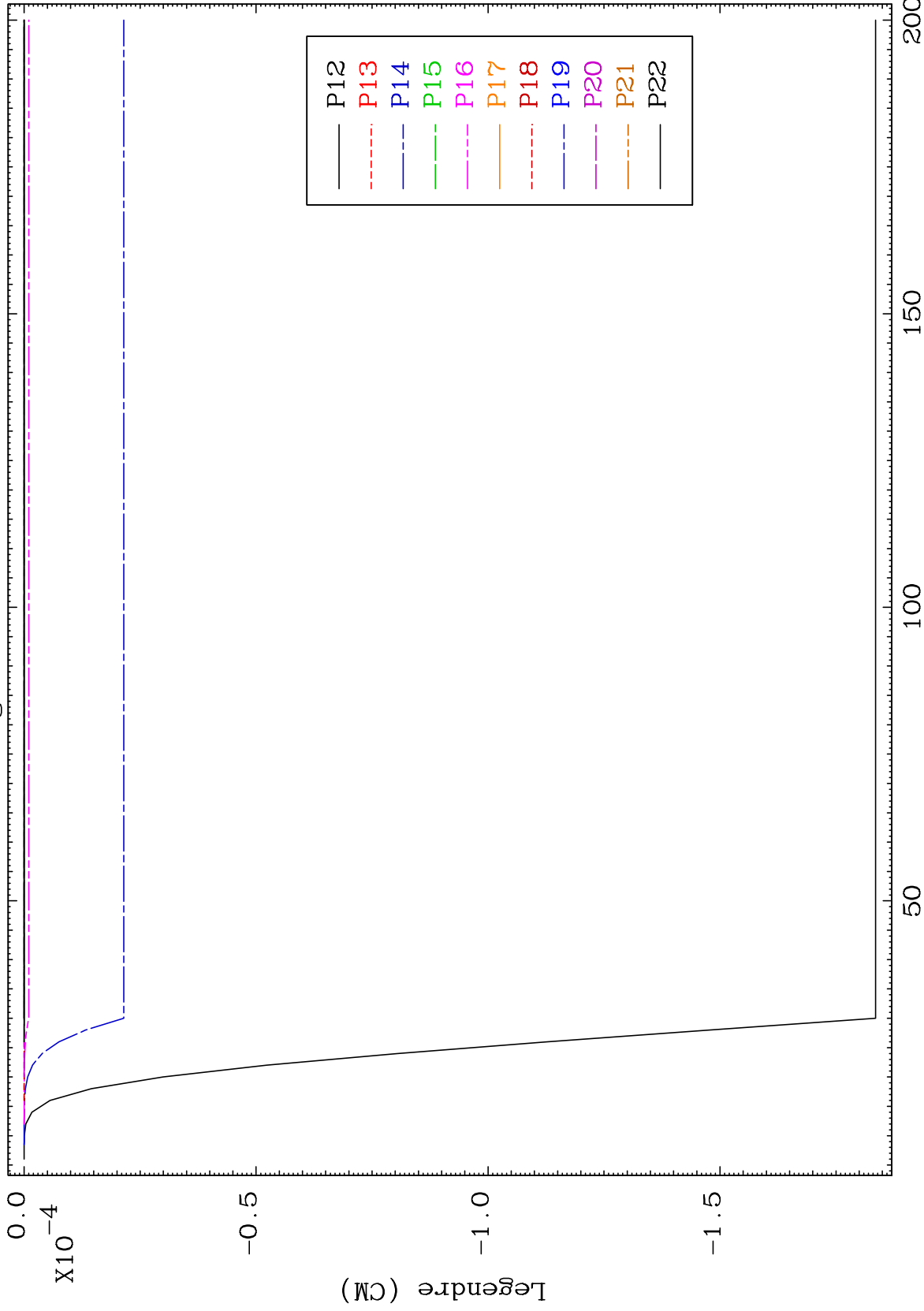


85 27-Co-61

MAT 2731

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

27-Co-61



86

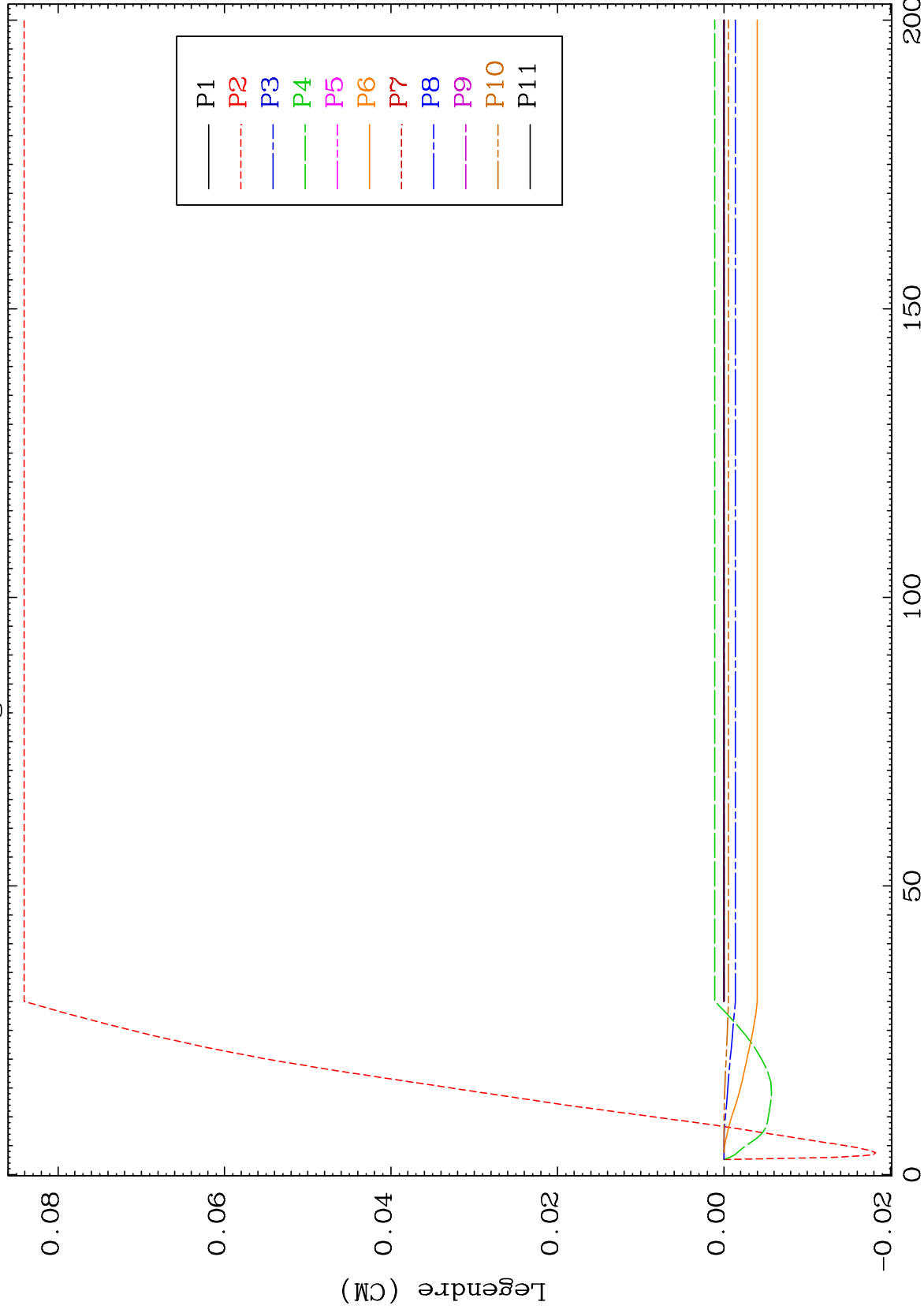
Incident Energy (MeV)

27-Co-61

MAT 2731

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

27-Co-61



87

Incident Energy (MeV)

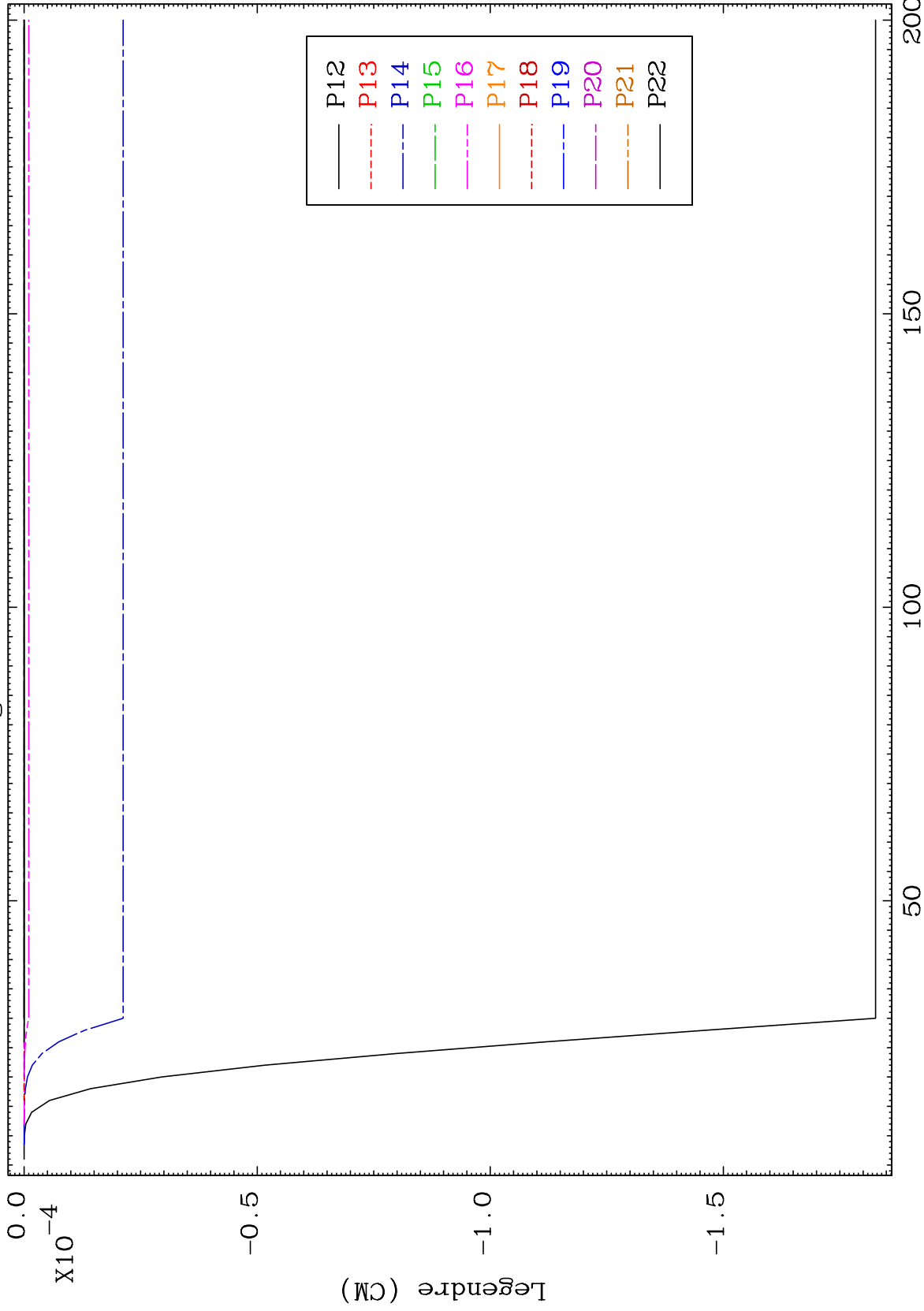
27-Co-61



MAT 2731

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

27-Co-61



88

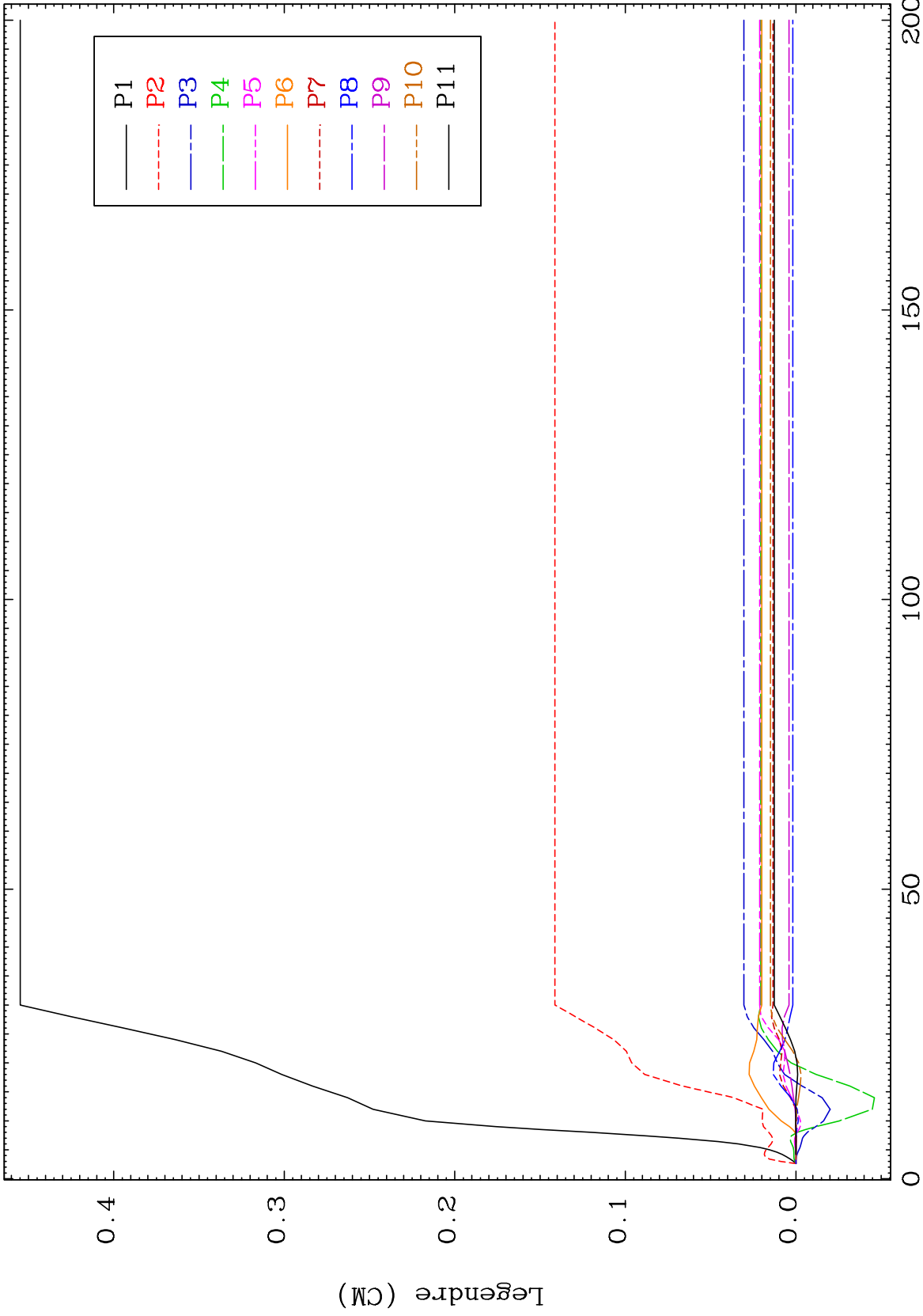
Incident Energy (MeV)

27-Co-61

MAT 2731

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

27-Co-61



89

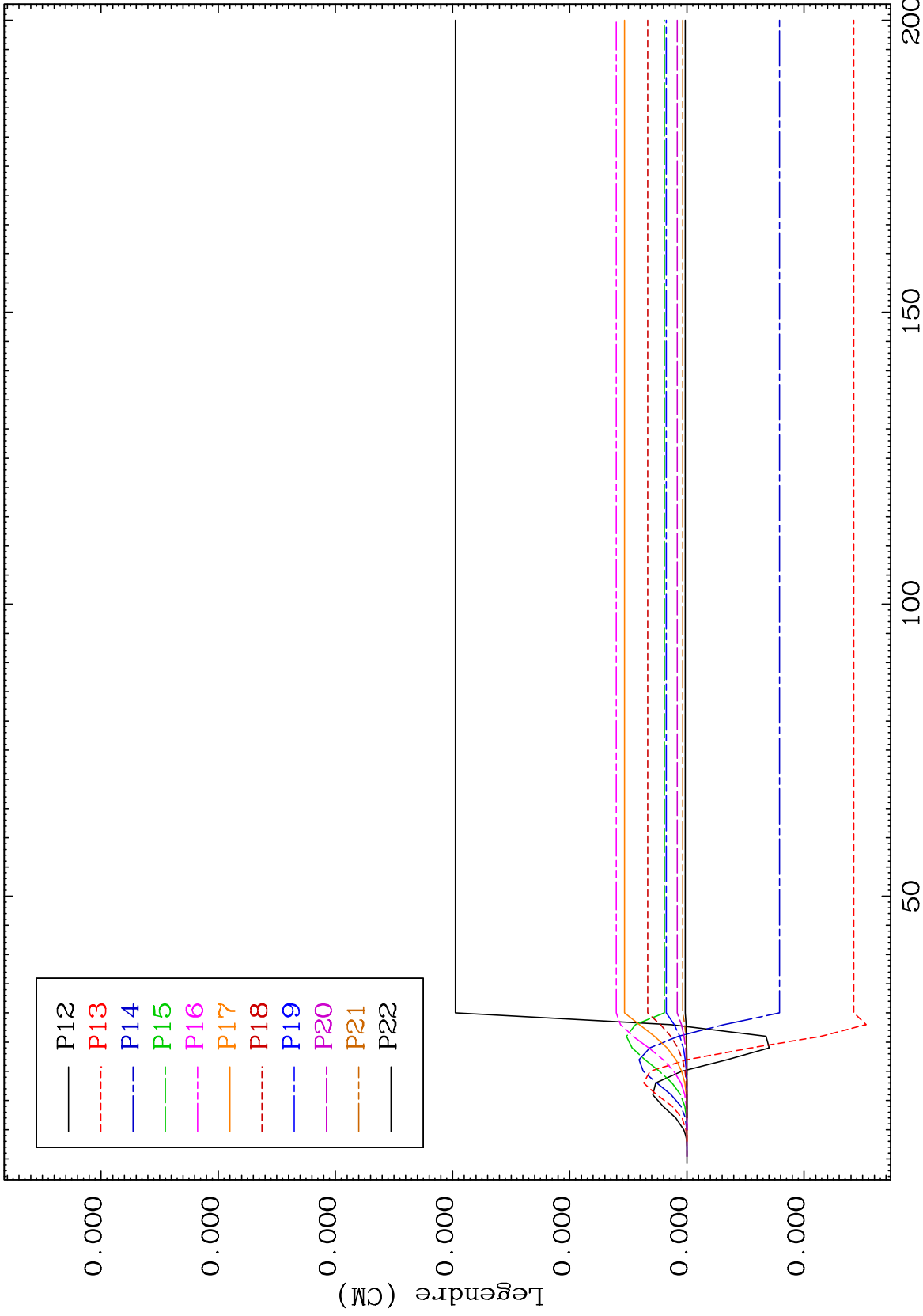
Incident Energy (MeV)

27-Co-61

MAT 2731

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

27-Co-61



90

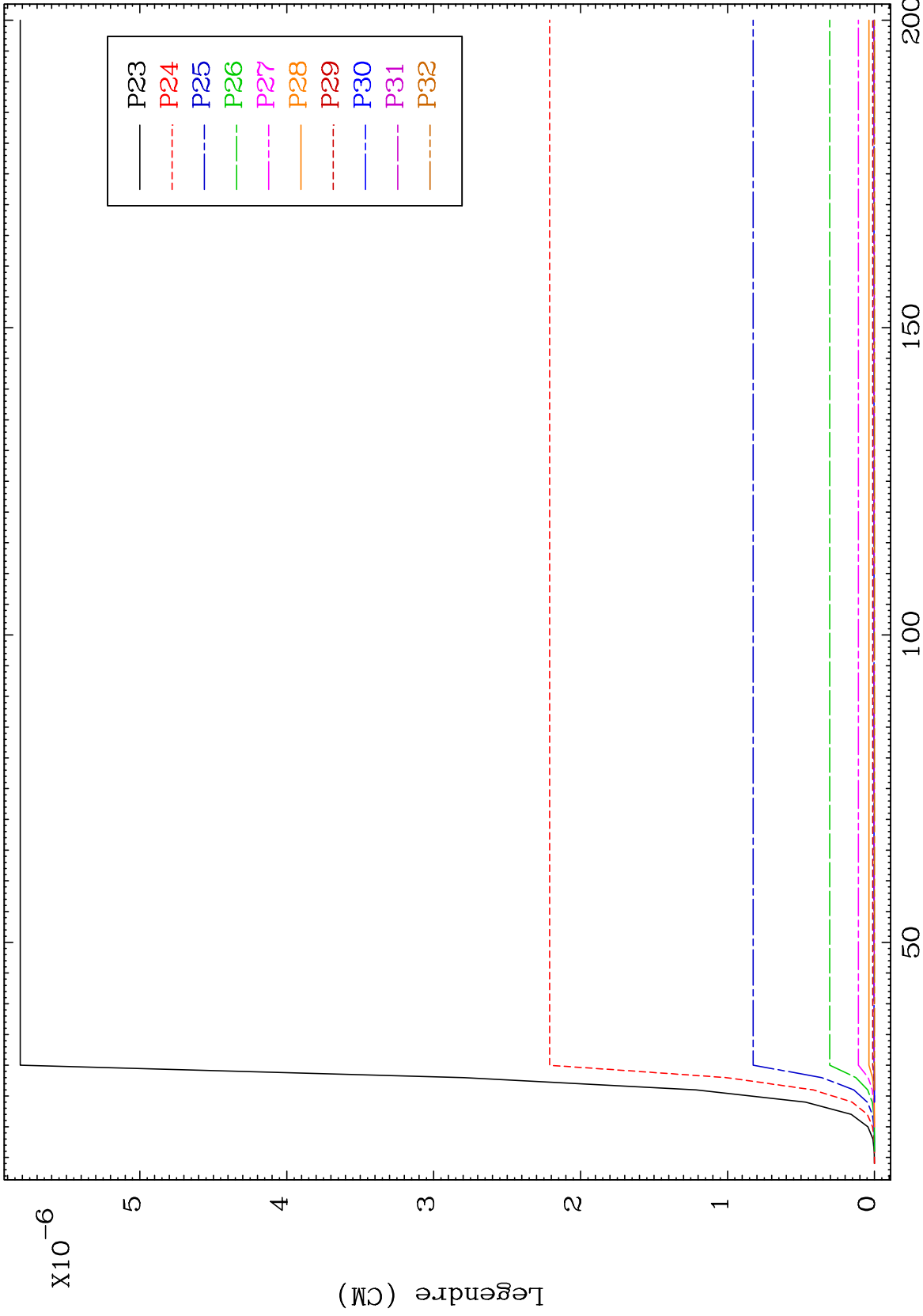
Incident Energy (MeV)

27-Co-61

MAT 2731

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

27-Co-61



91

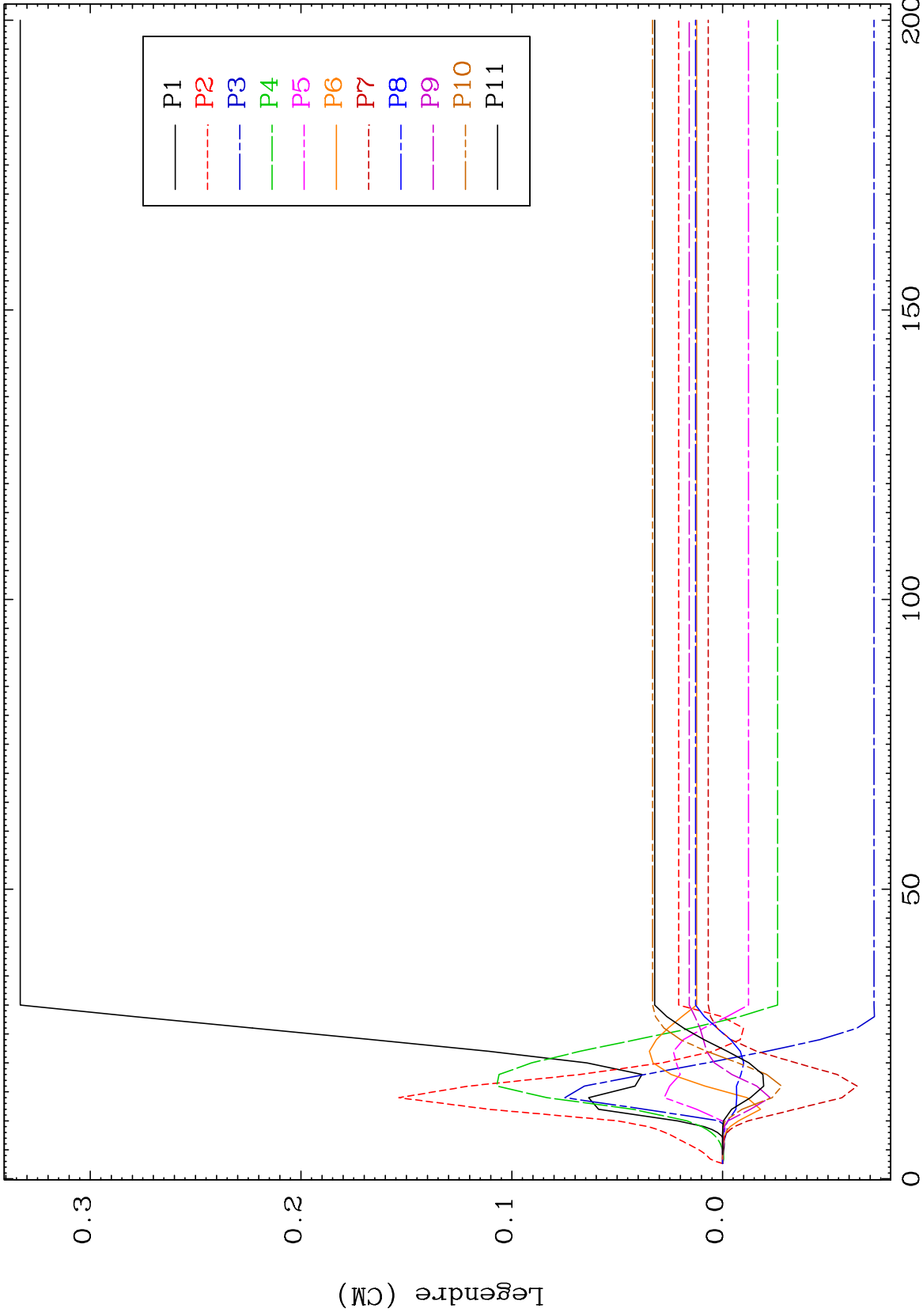
Incident Energy (MeV)

27-Co-61

MAT 2731

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

27-Co-61



92

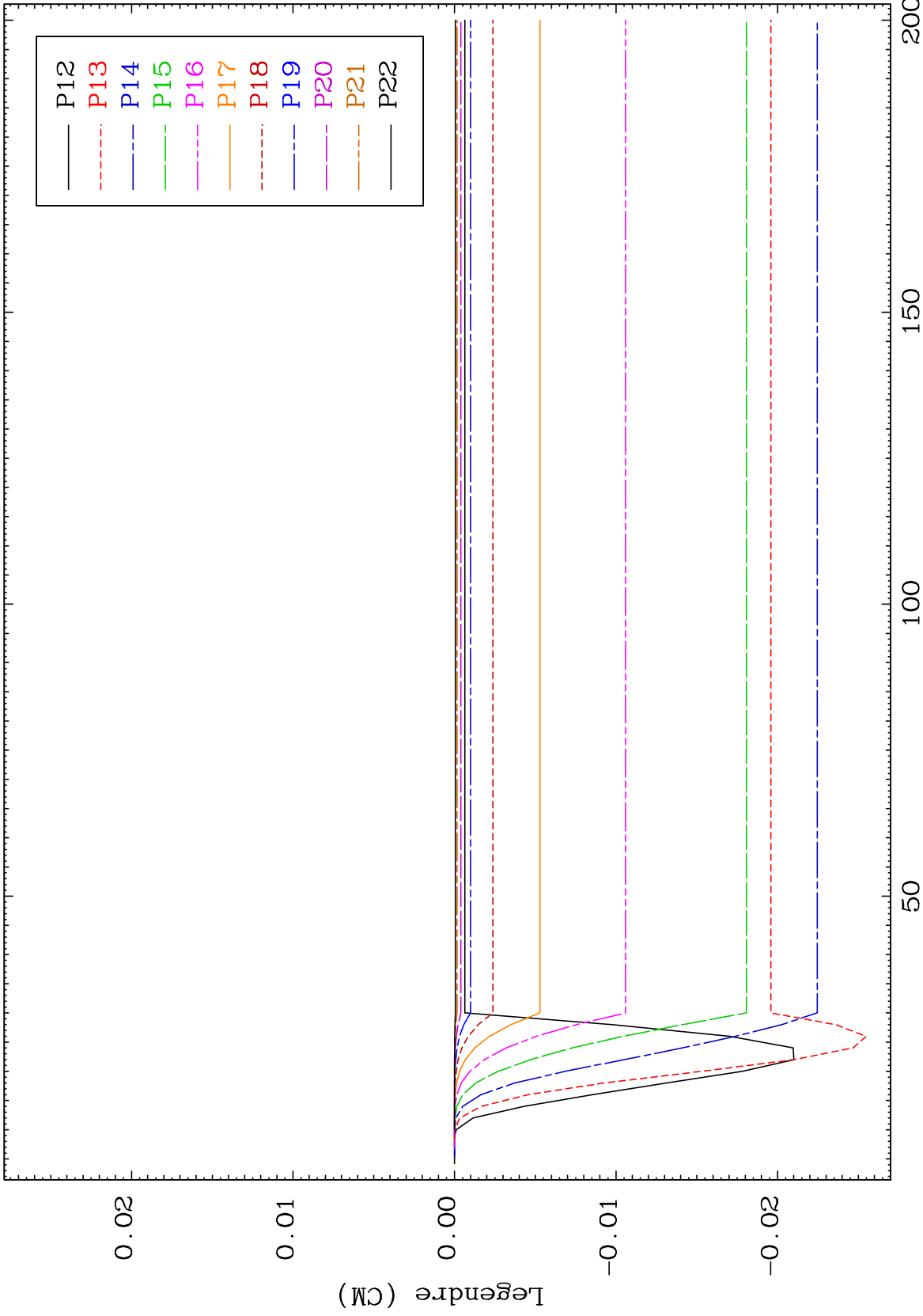
Incident Energy (MeV)

27-Co-61

MAT 2731

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

27-Co-61

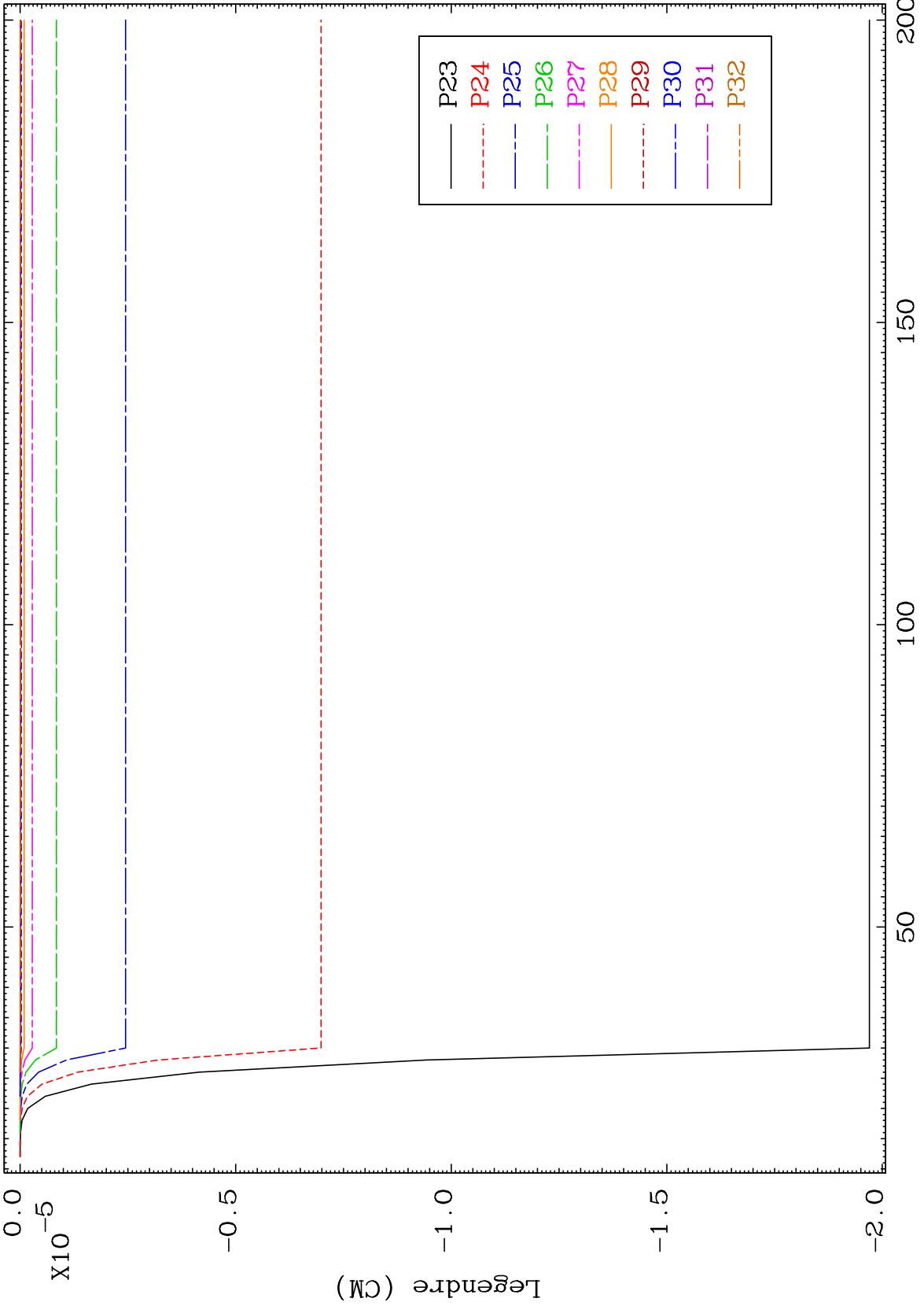


93

Incident Energy (MeV)

27-Co-61

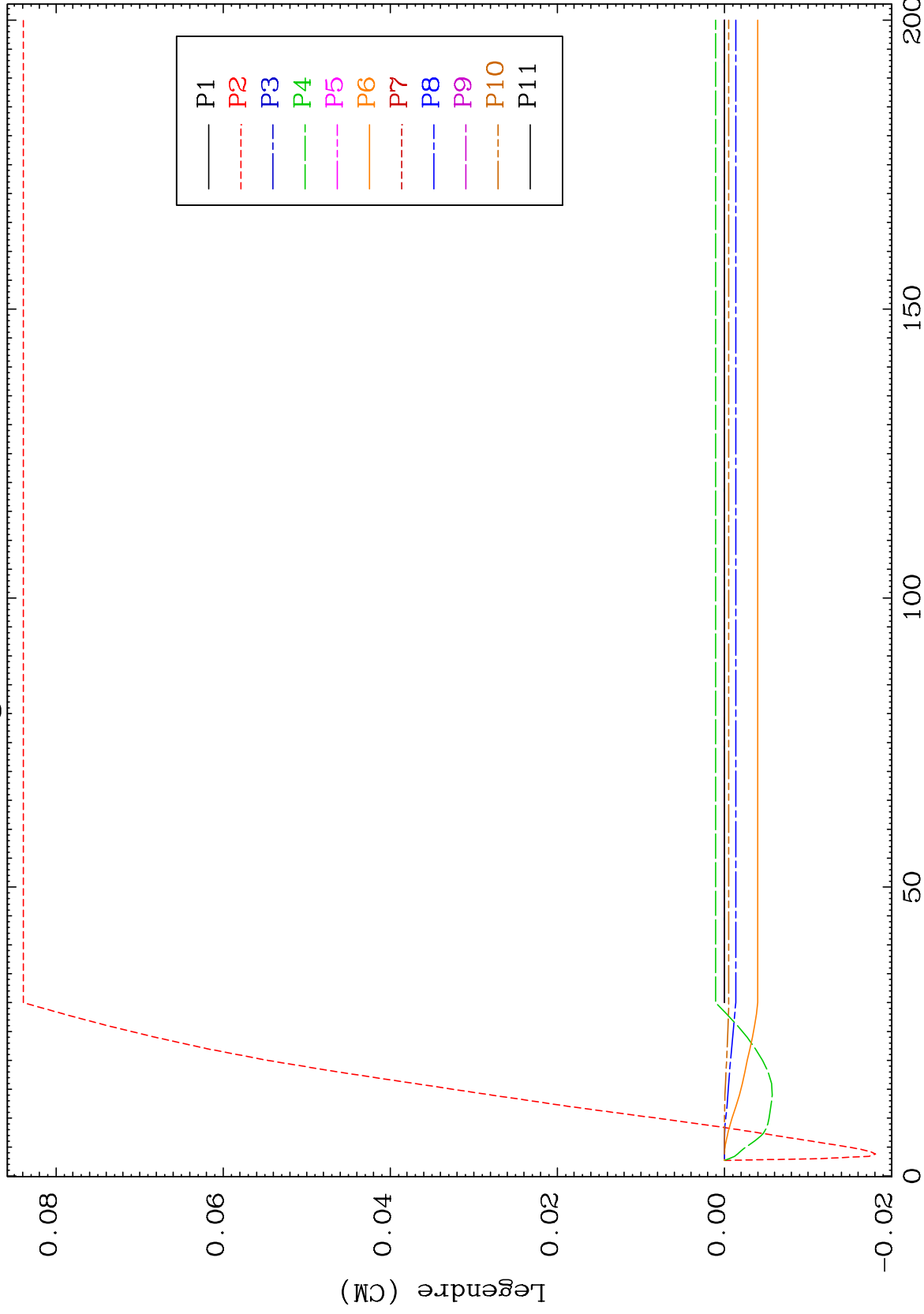
MAT 2731 MT= 76 (n,n') Level Legendre Coefficients 27-Co-61



MAT 2731

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

27-Co-61



95

Incident Energy (MeV)

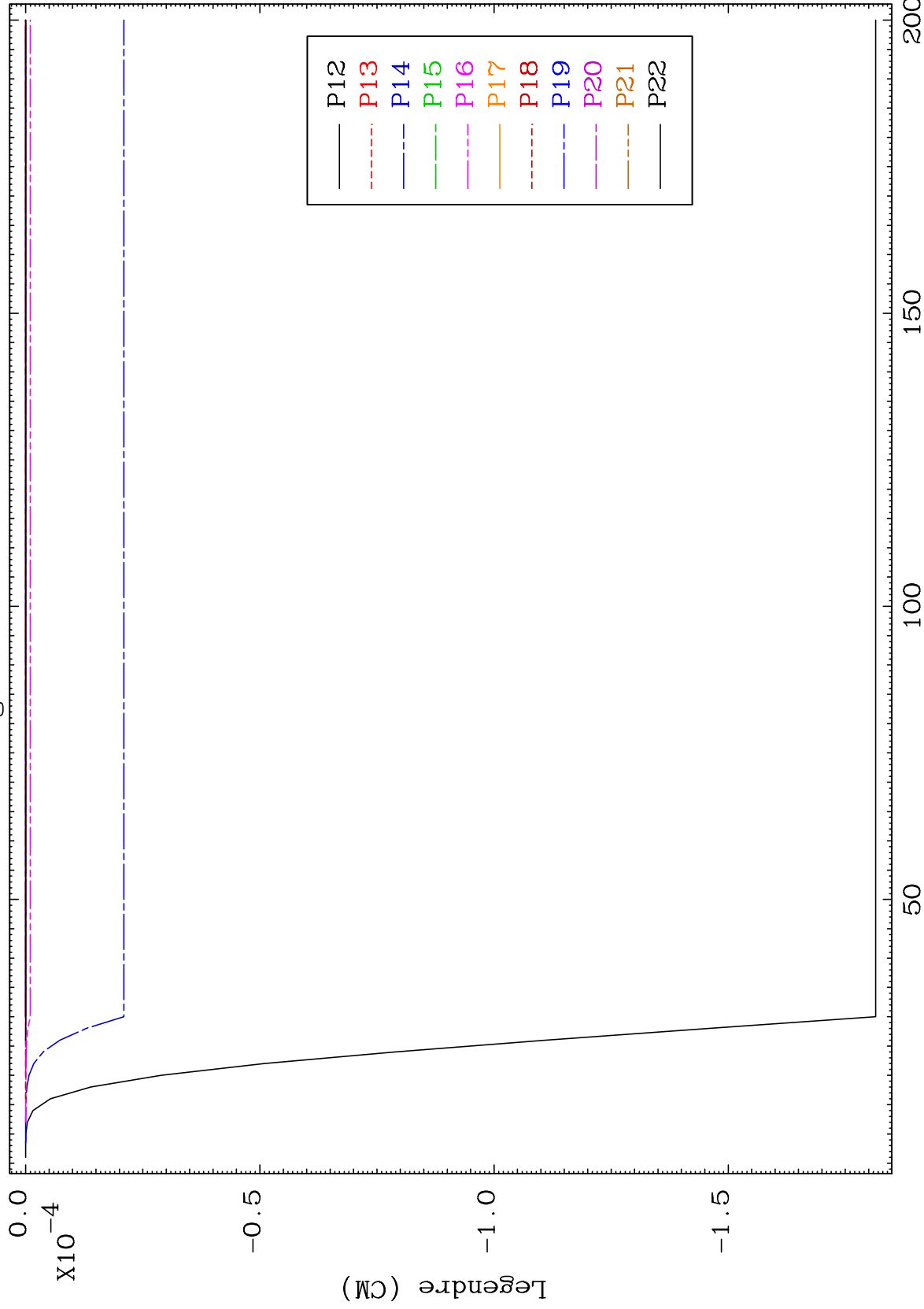
27-Co-61



MAT 2731

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

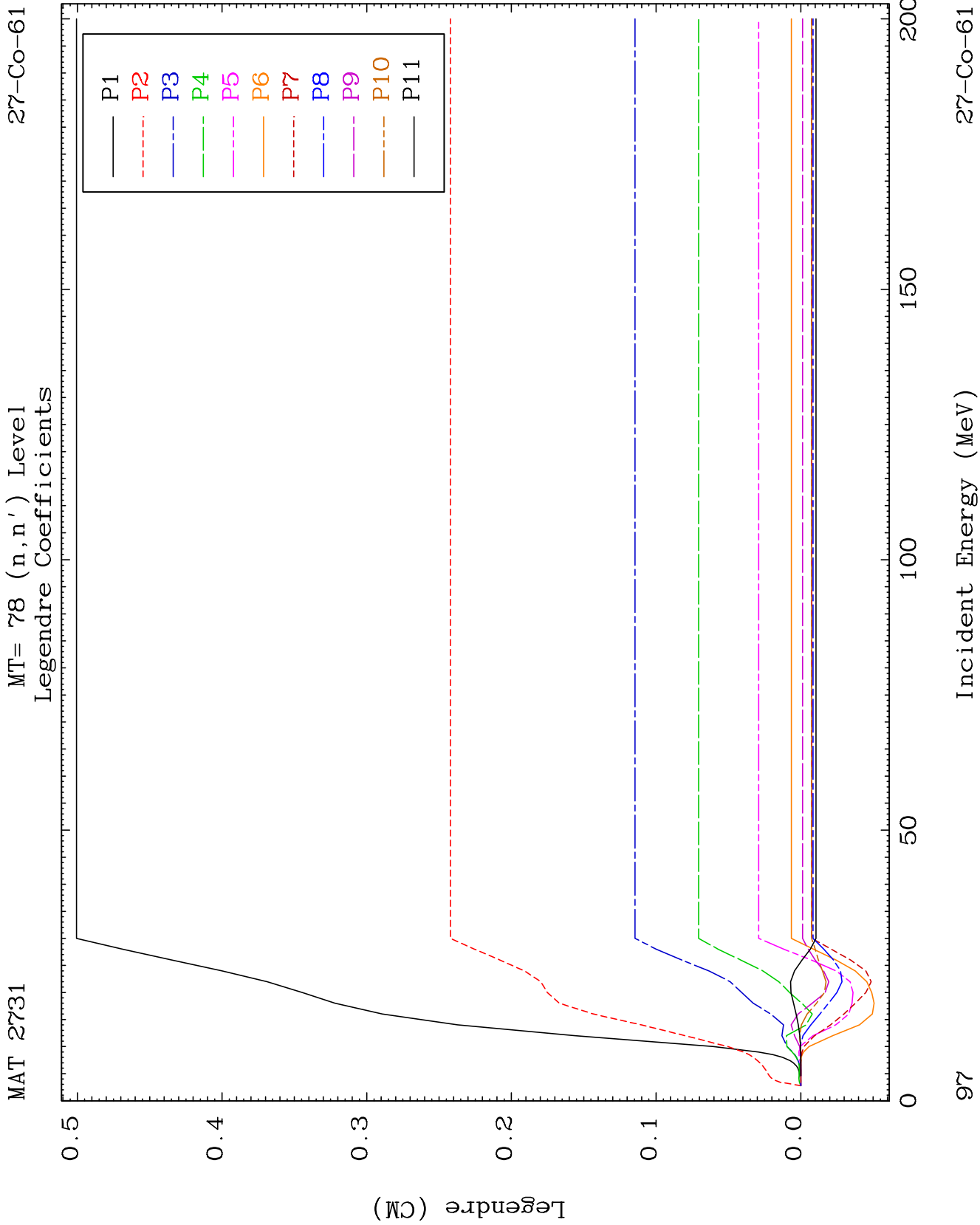
27-Co-61



96

Incident Energy (MeV)

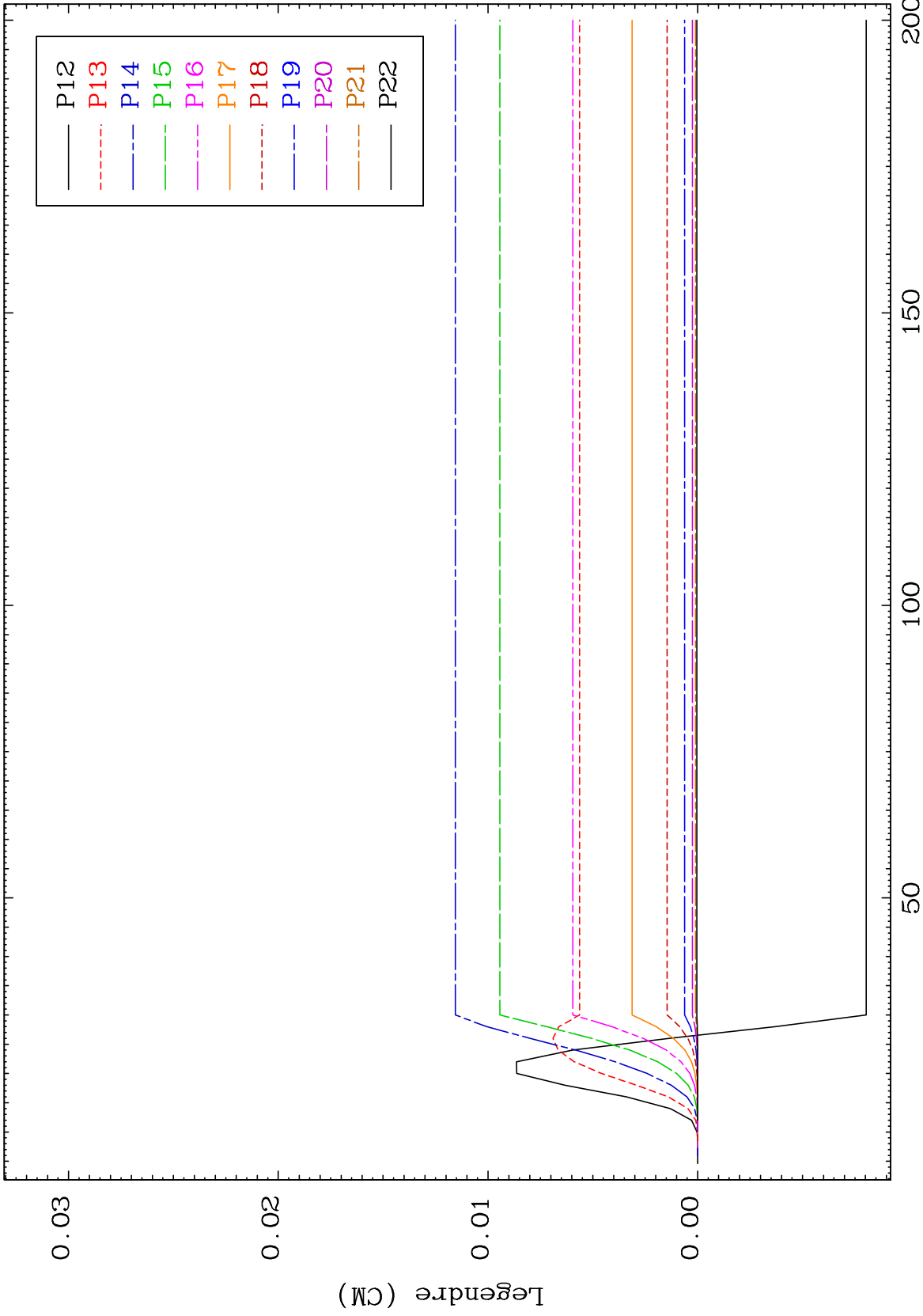
27-Co-61



MAT 2731

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

27-Co-61



98

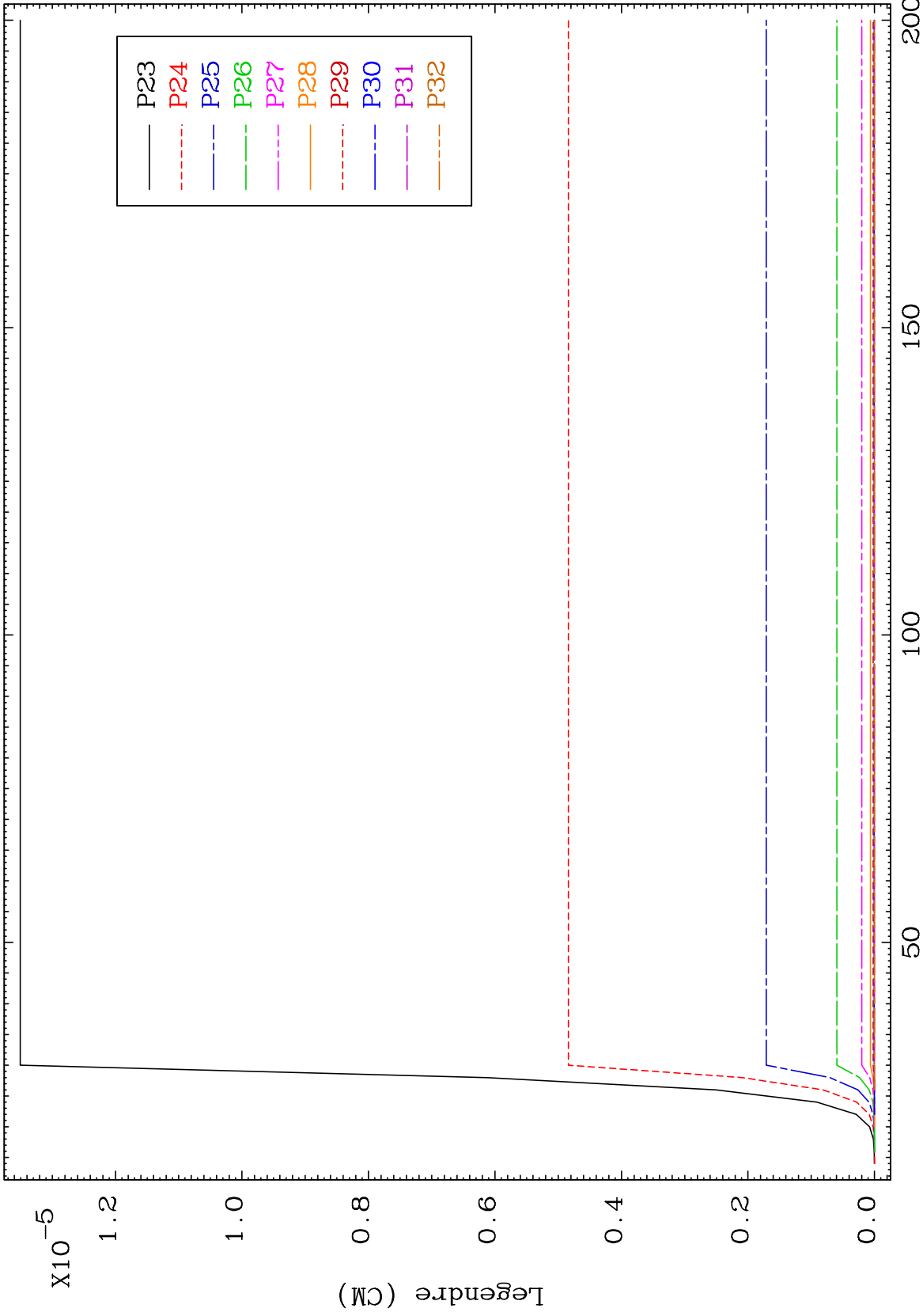
Incident Energy (MeV)

27-Co-61

MAT 2731

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

27-Co-61

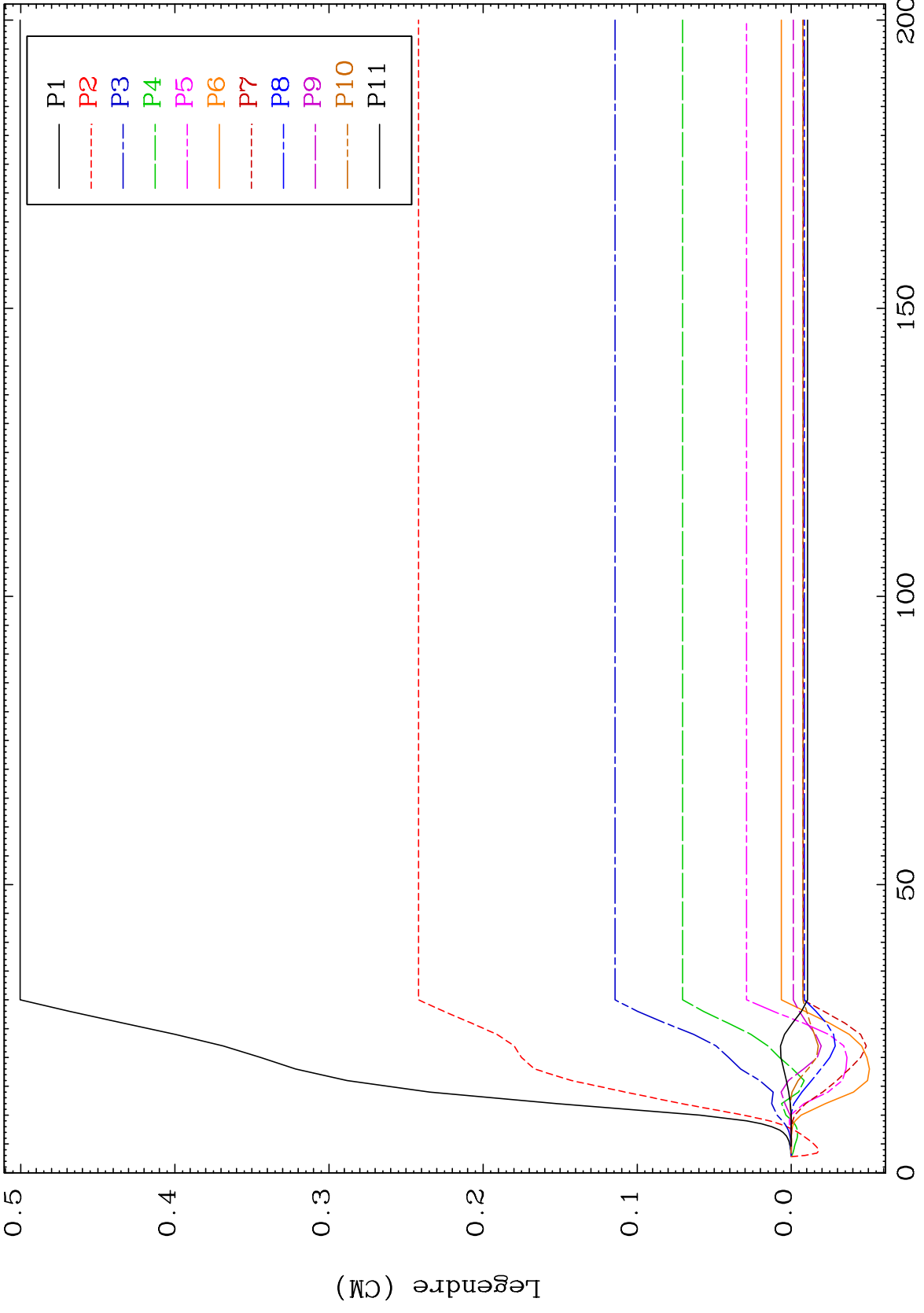


99

Incident Energy (MeV)

27-Co-61

MAT 2731 MT= 79 (n,n') Level Legendre Coefficients 27-Co-61

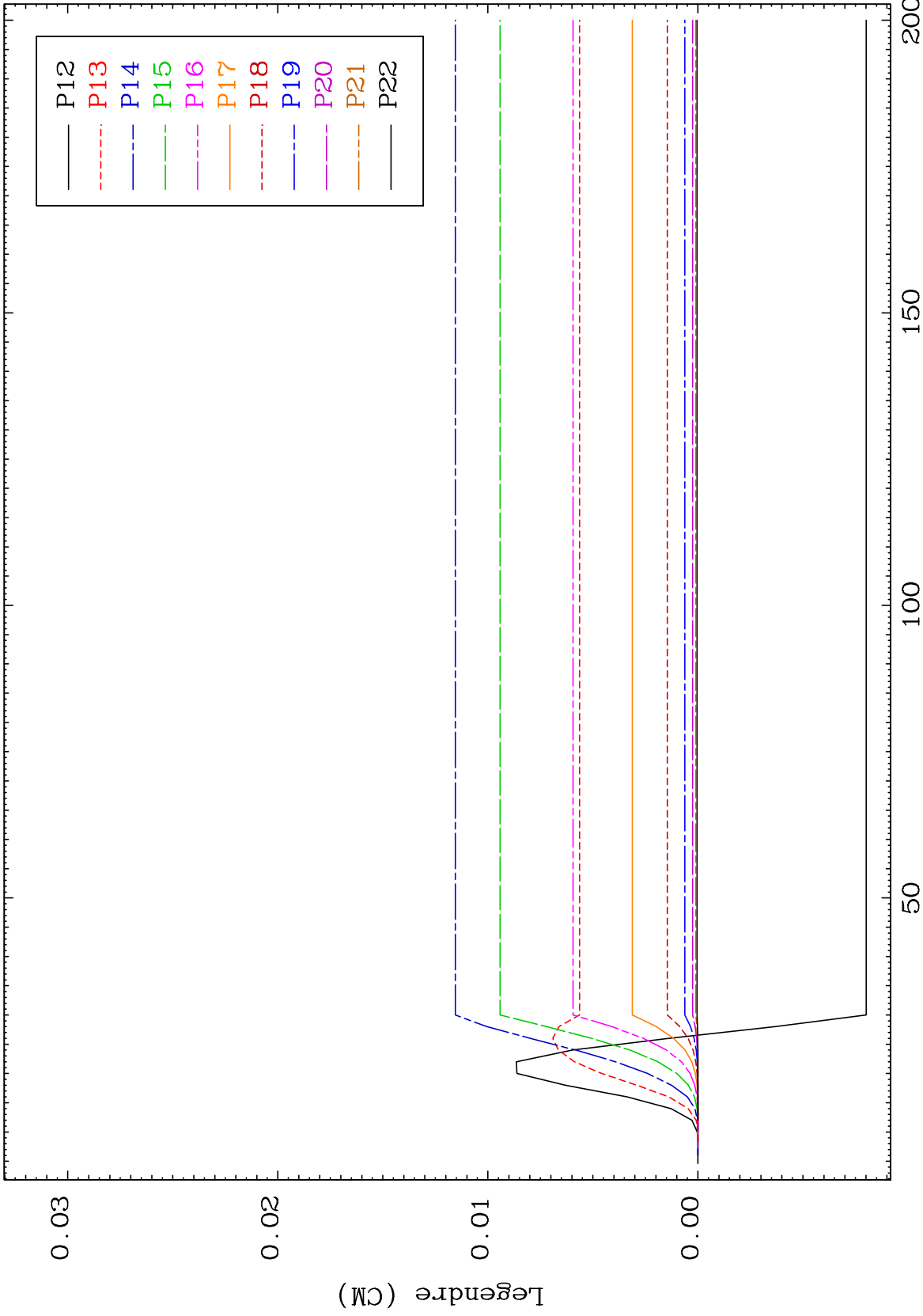


Incident Energy (MeV) 27-Co-61

MAT 2731

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

27-Co-61



101

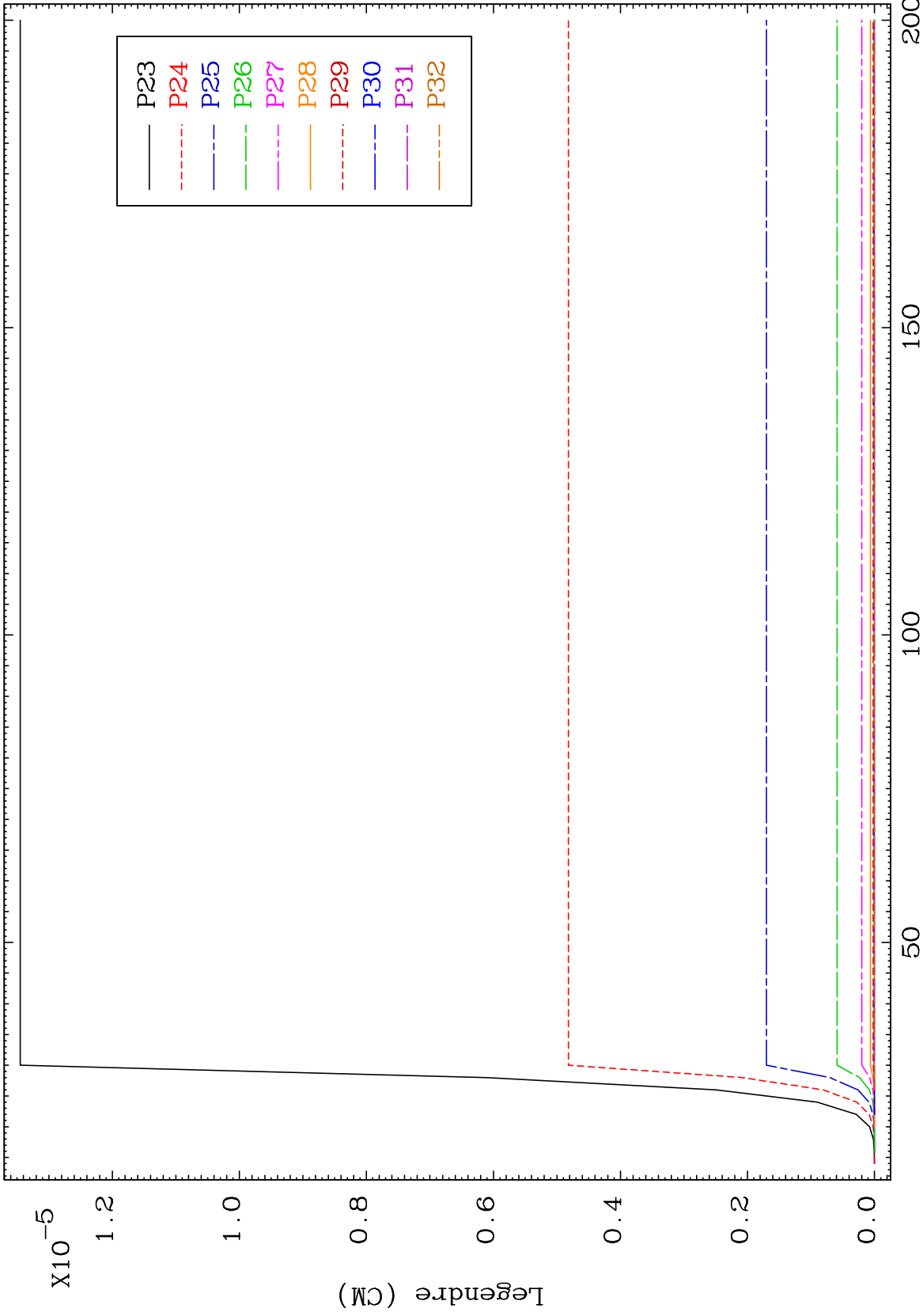
Incident Energy (MeV)

27-Co-61

MAT 2731

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

27-Co-61

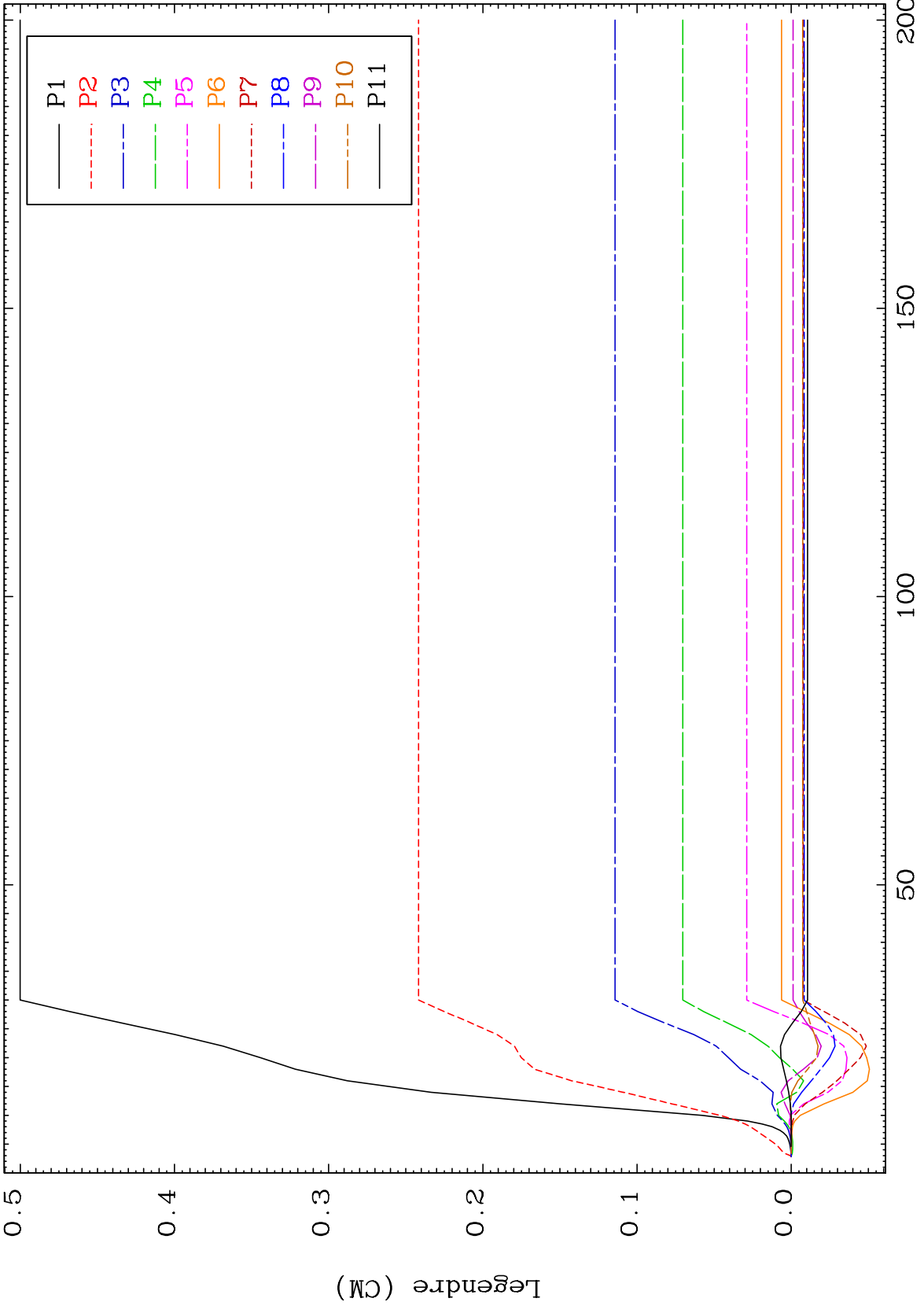


102

Incident Energy (MeV)

27-Co-61

MAT 2731 MT= 80 (n,n') Level Legendre Coefficients 27-Co-61



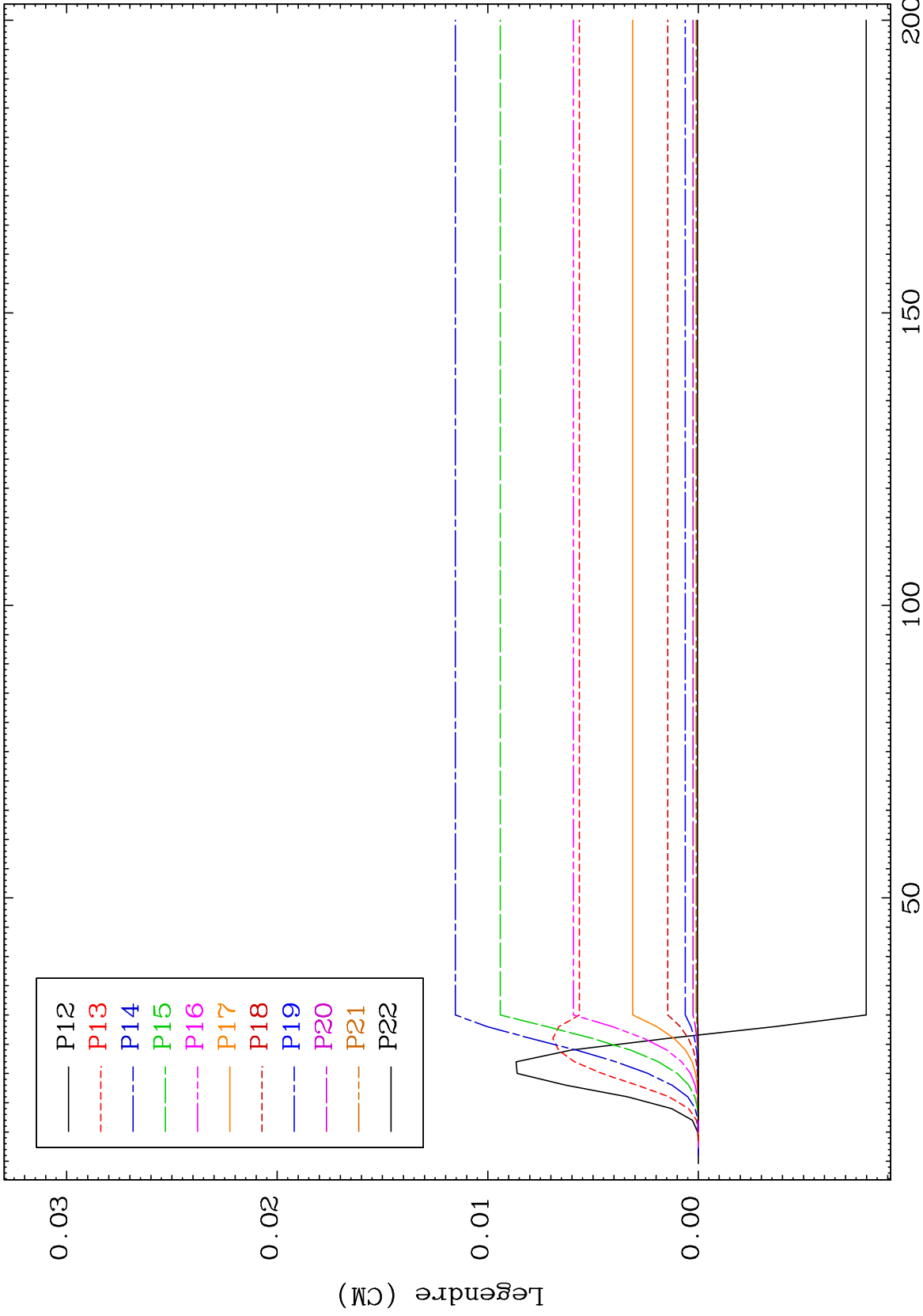
103 Incident Energy (MeV) 27-Co-61



MAT 2731

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

27-Co-61



104

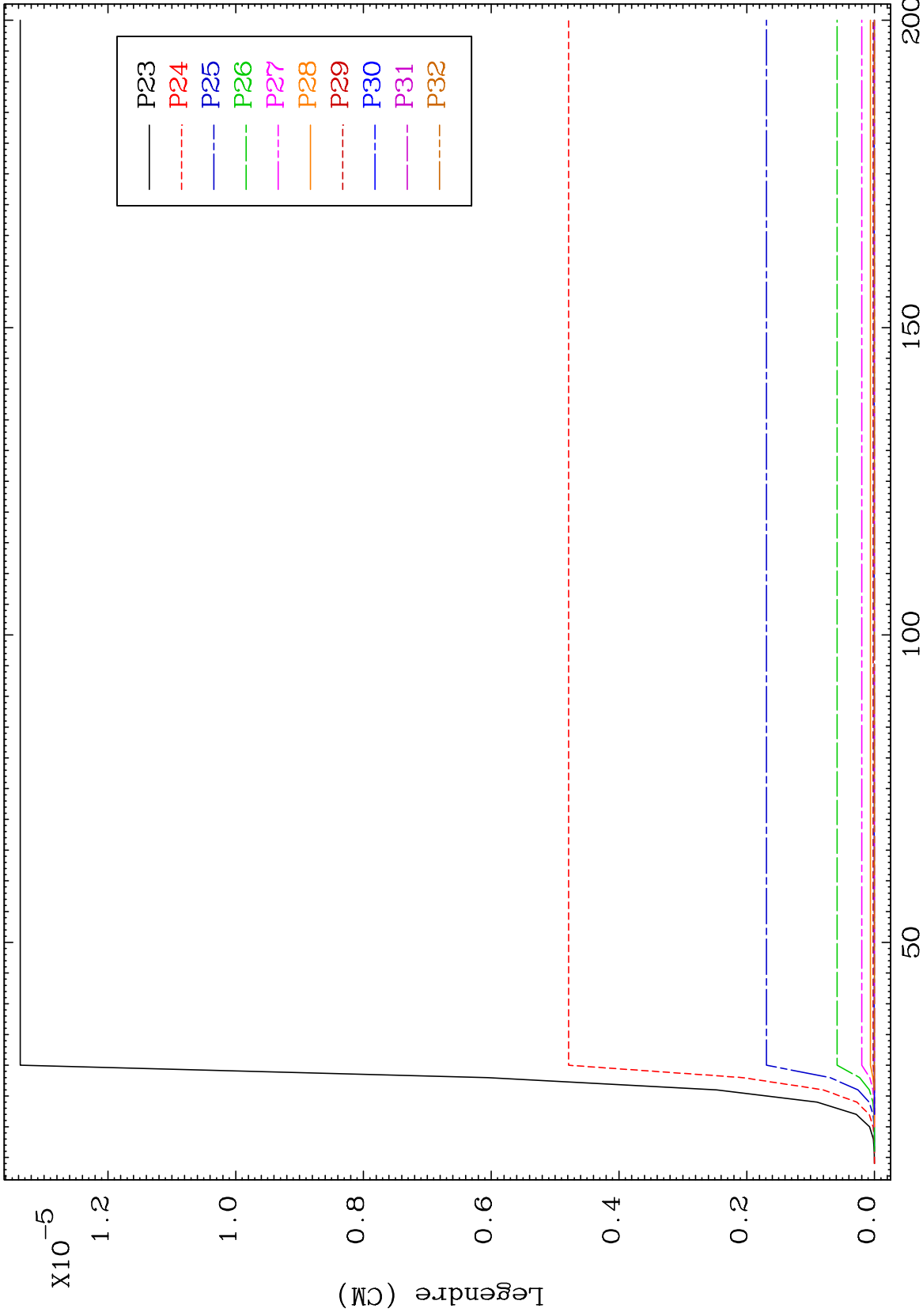
Incident Energy (MeV)

27-Co-61

MAT 2731

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

27-Co-61



105

50

100

Incident Energy (MeV)

150

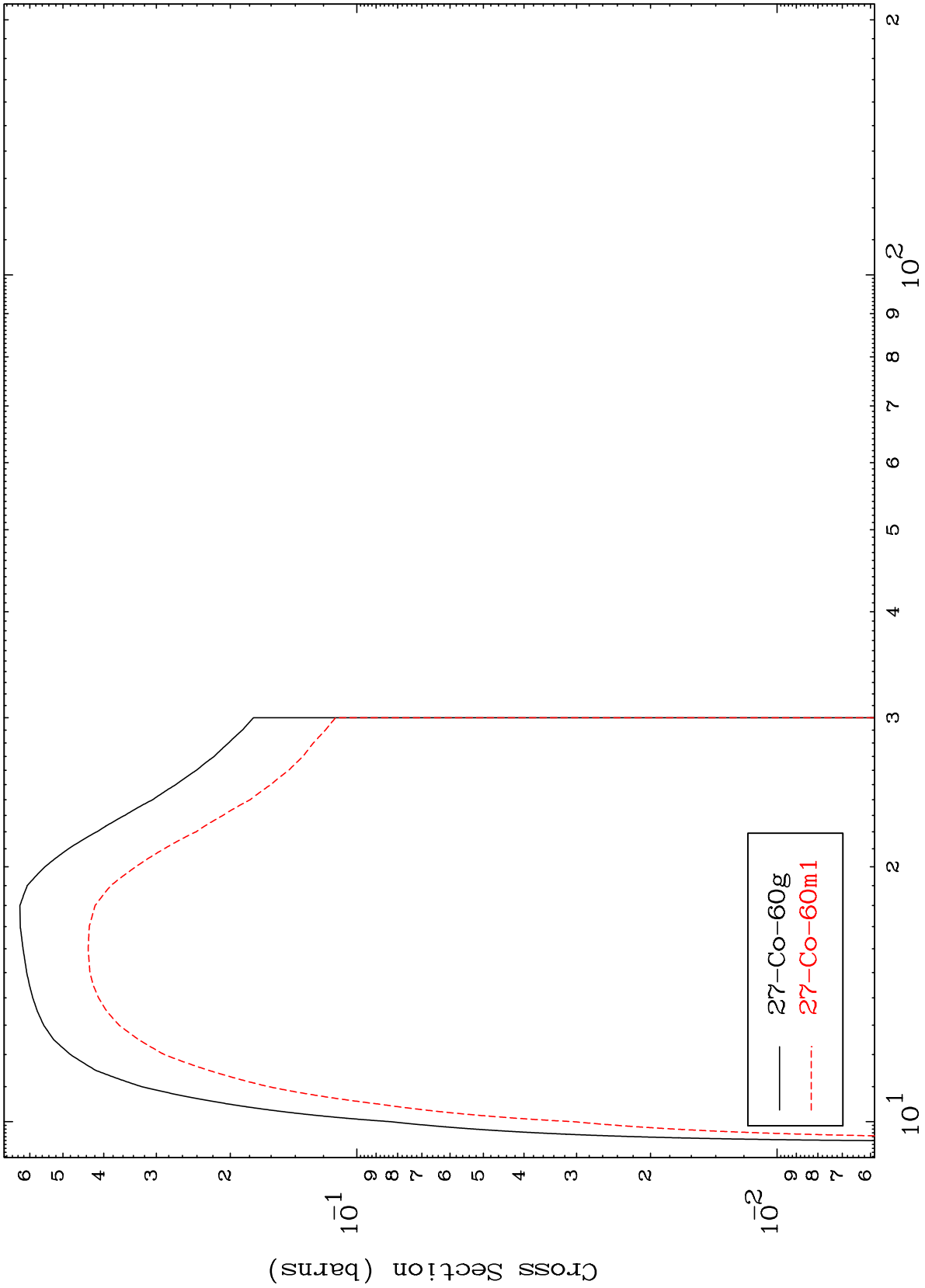
200

27-Co-61

MAT 2731

27-Co-61

Radionuclide Production Cross Section  
(n,2n)



106

Incident Energy (MeV)

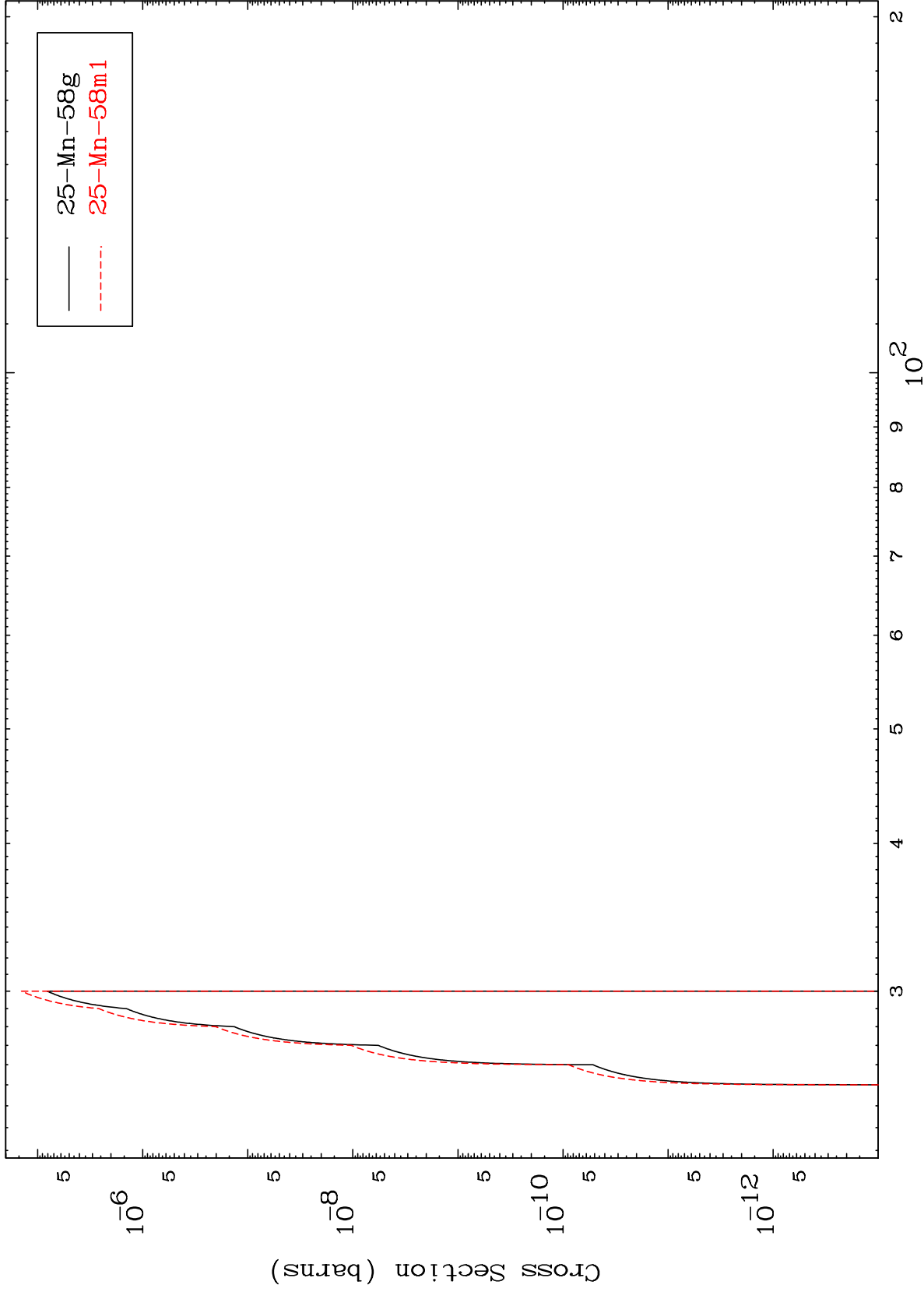
27-Co-61

MAT 2731

(n, n') He-3

27-Co-61

Radionuclide Production Cross Section



107

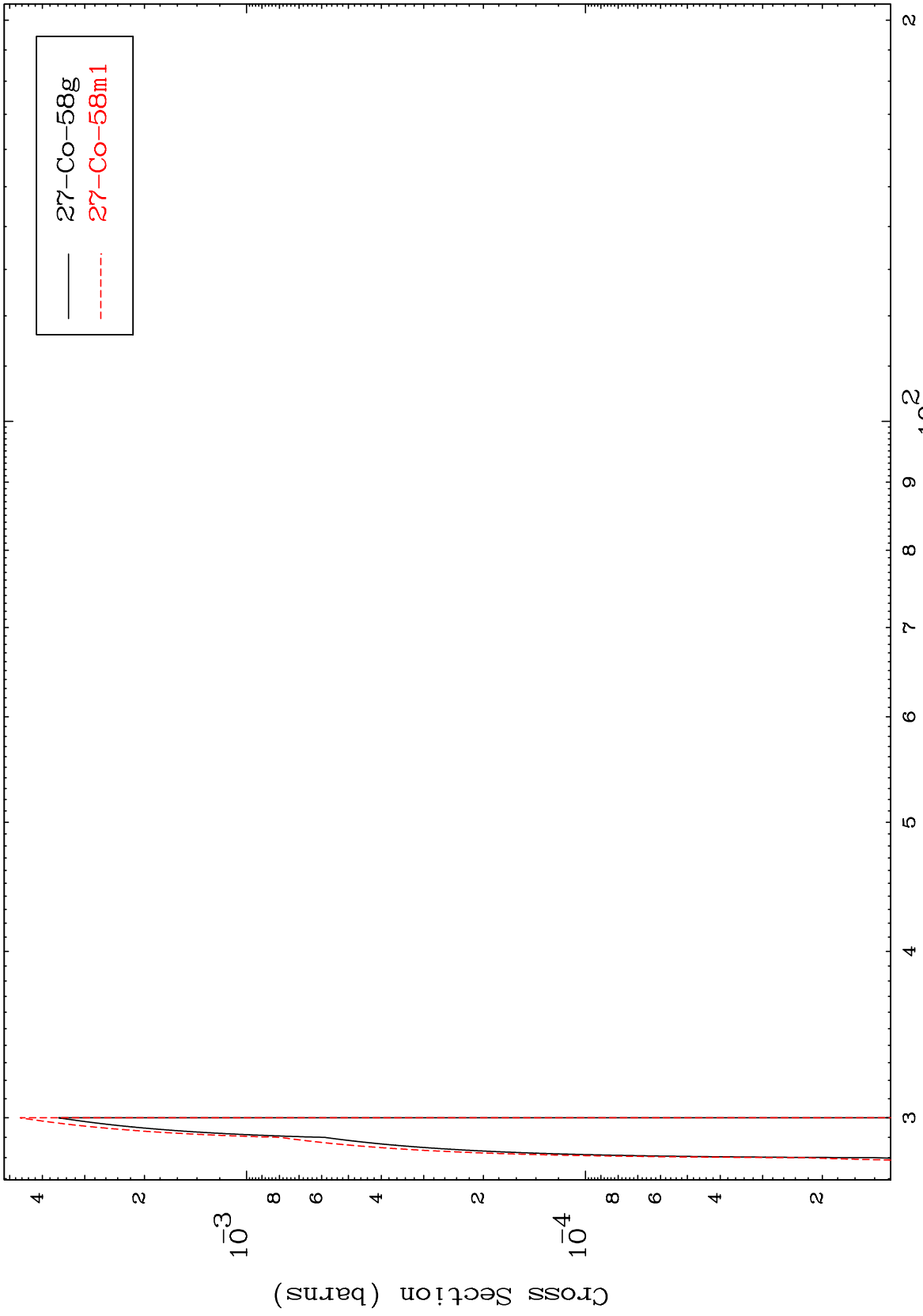
Incident Energy (MeV)

27-Co-61

MAT 2731

27-Co-61

(n,4n)  
Radionuclide Production Cross Section



— 27-Co-58g  
- - - 27-Co-58m1

108

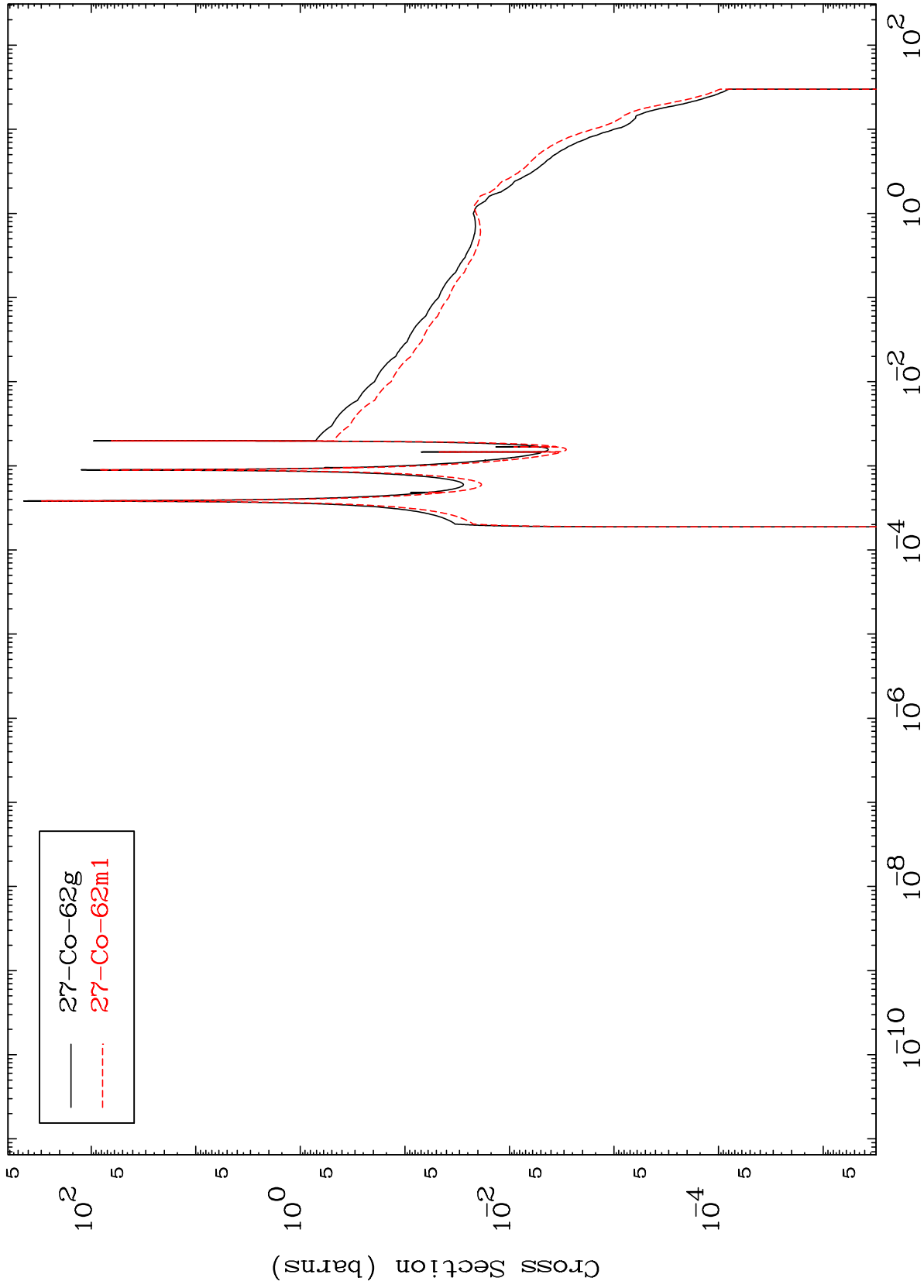
27-Co-61

Incident Energy (MeV)

MAT 2731

<sup>27</sup>Co-61

Radionuclide Production Cross Section  
(n,γ)



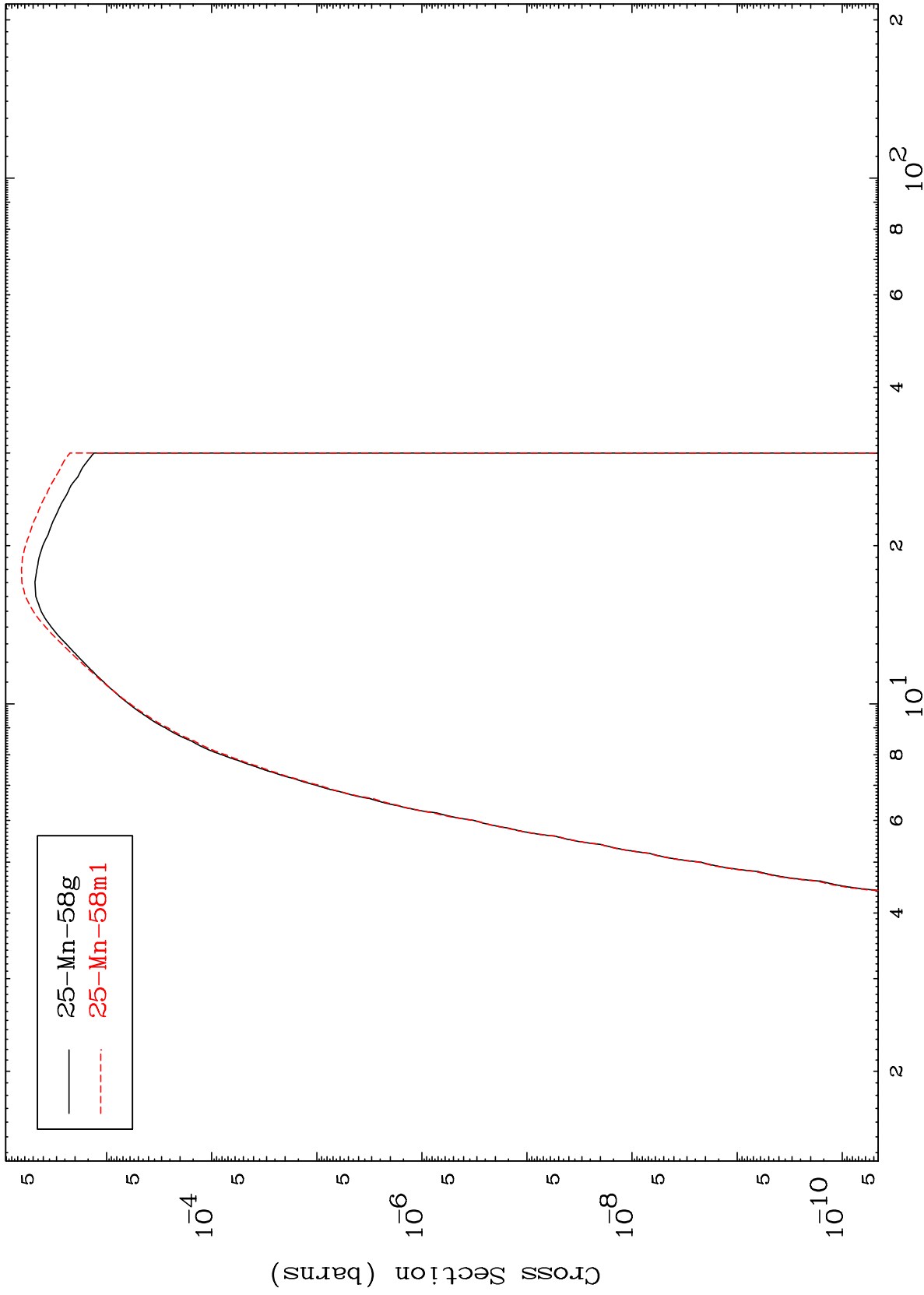
109

<sup>27</sup>Co-61

MAT 2731

<sup>27</sup>Co-61

Radionuclide Production Cross Section



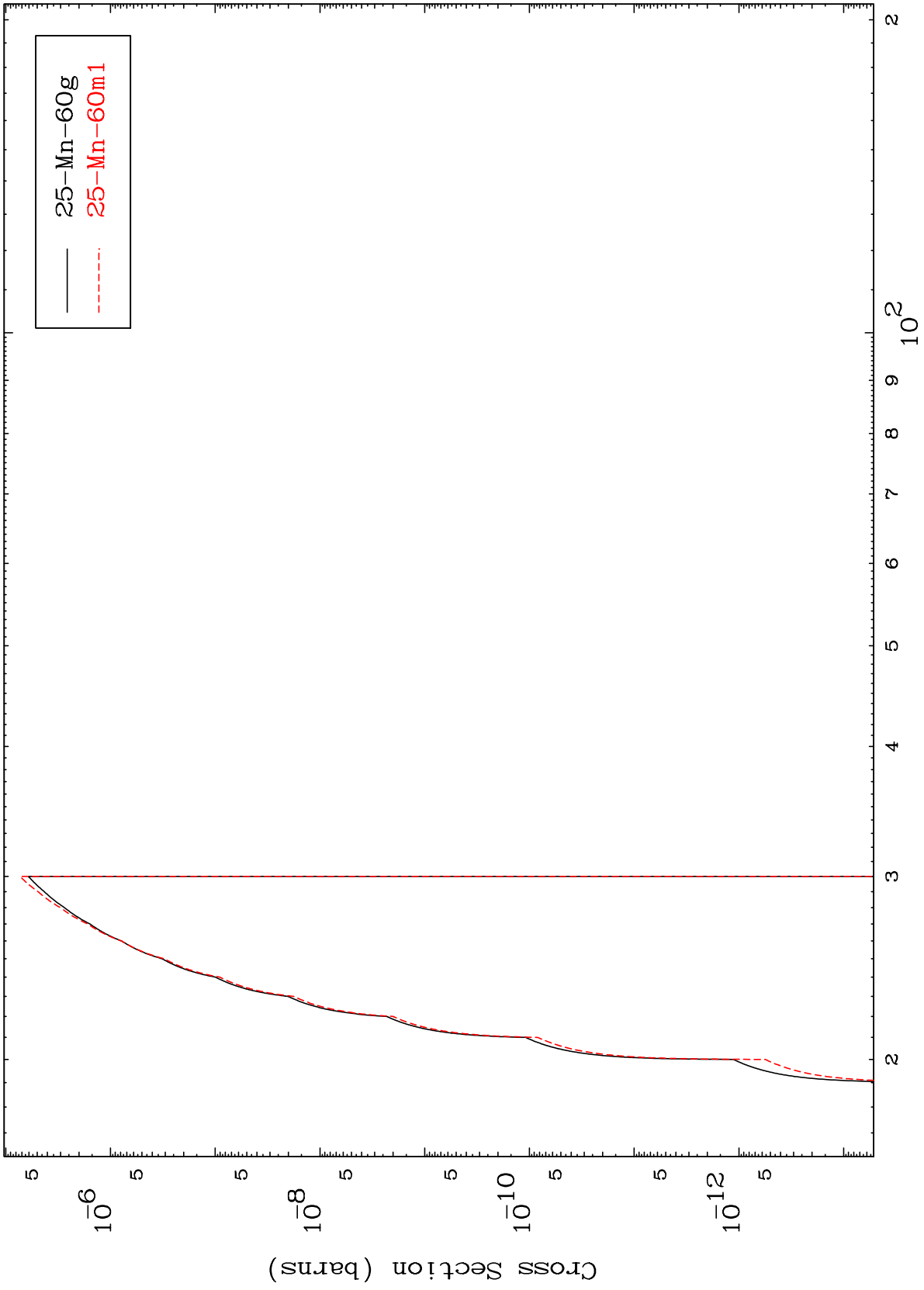
110

<sup>27</sup>Co-61

MAT 2731

27-Co-61

(n,2p)  
Radionuclide Production Cross Section



111

Incident Energy (MeV)

27-Co-61

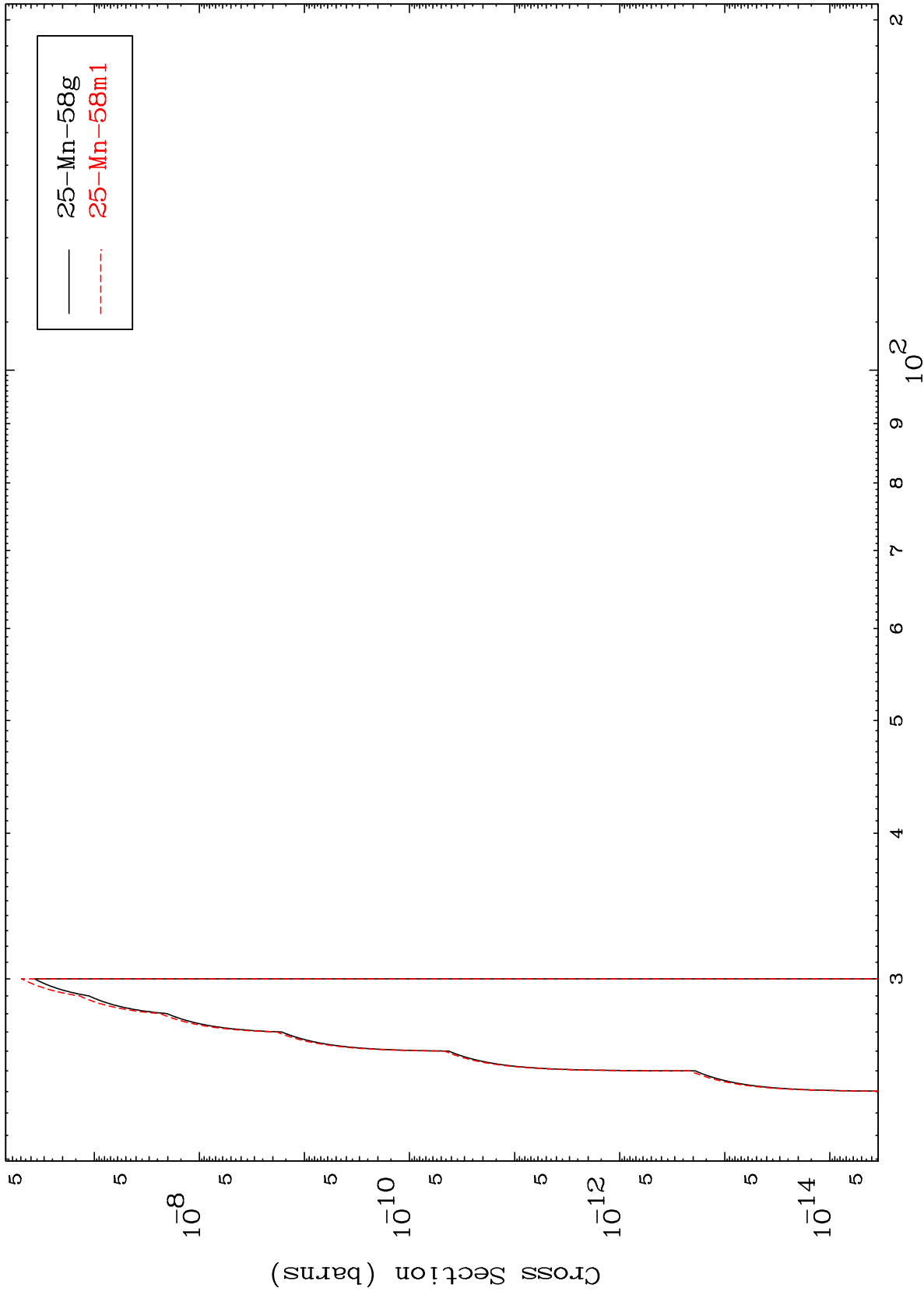


MAT 2731

(n,p) t

27-Co-61

Radionuclide Production Cross Section



112

Incident Energy (MeV)

27-Co-61