

Program EVALPLOT  
(Version 2018-1)

by

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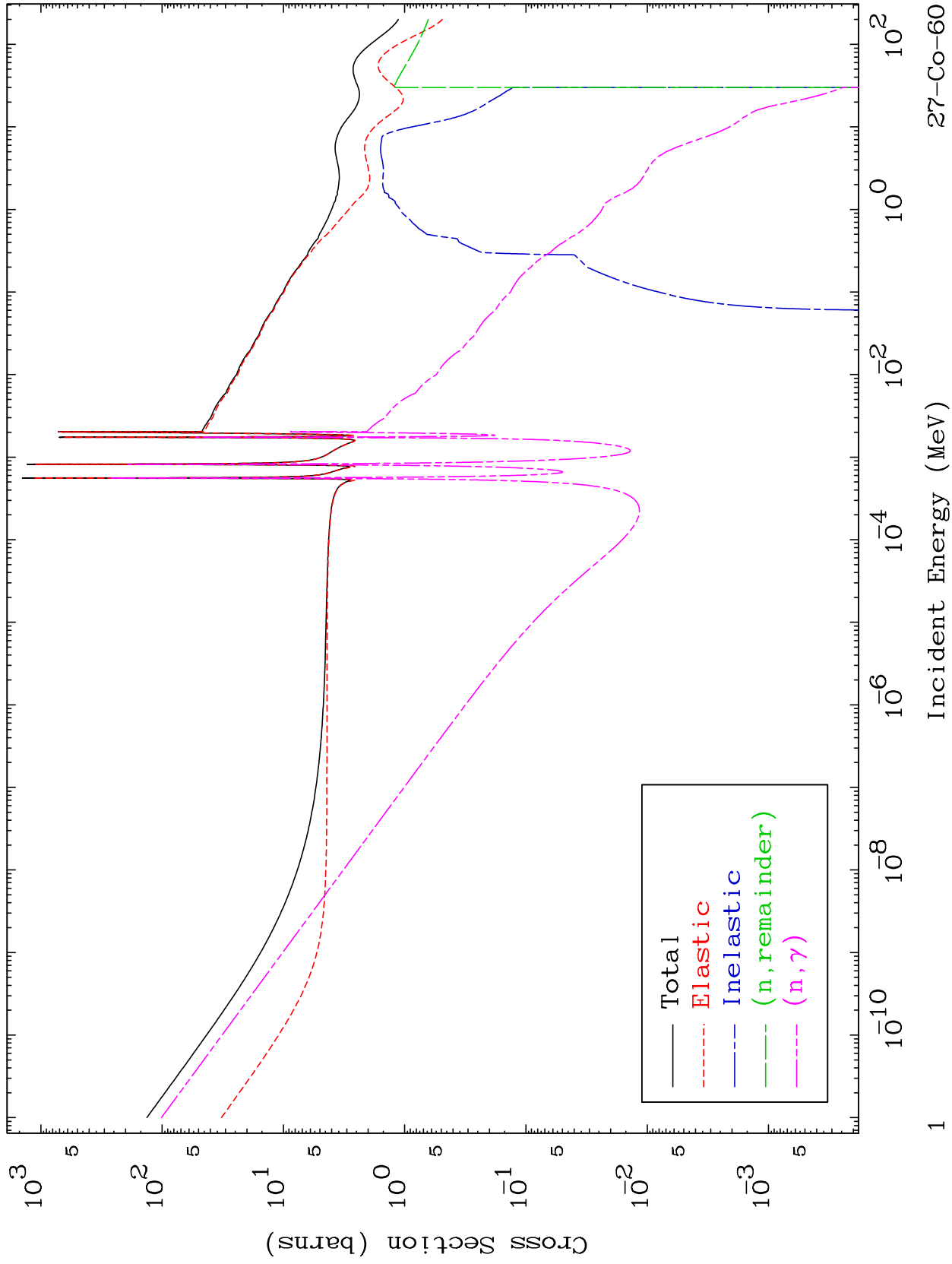
Press Mouse Button to Start

MAT 2728

Major

293 Kelvin Cross Sections

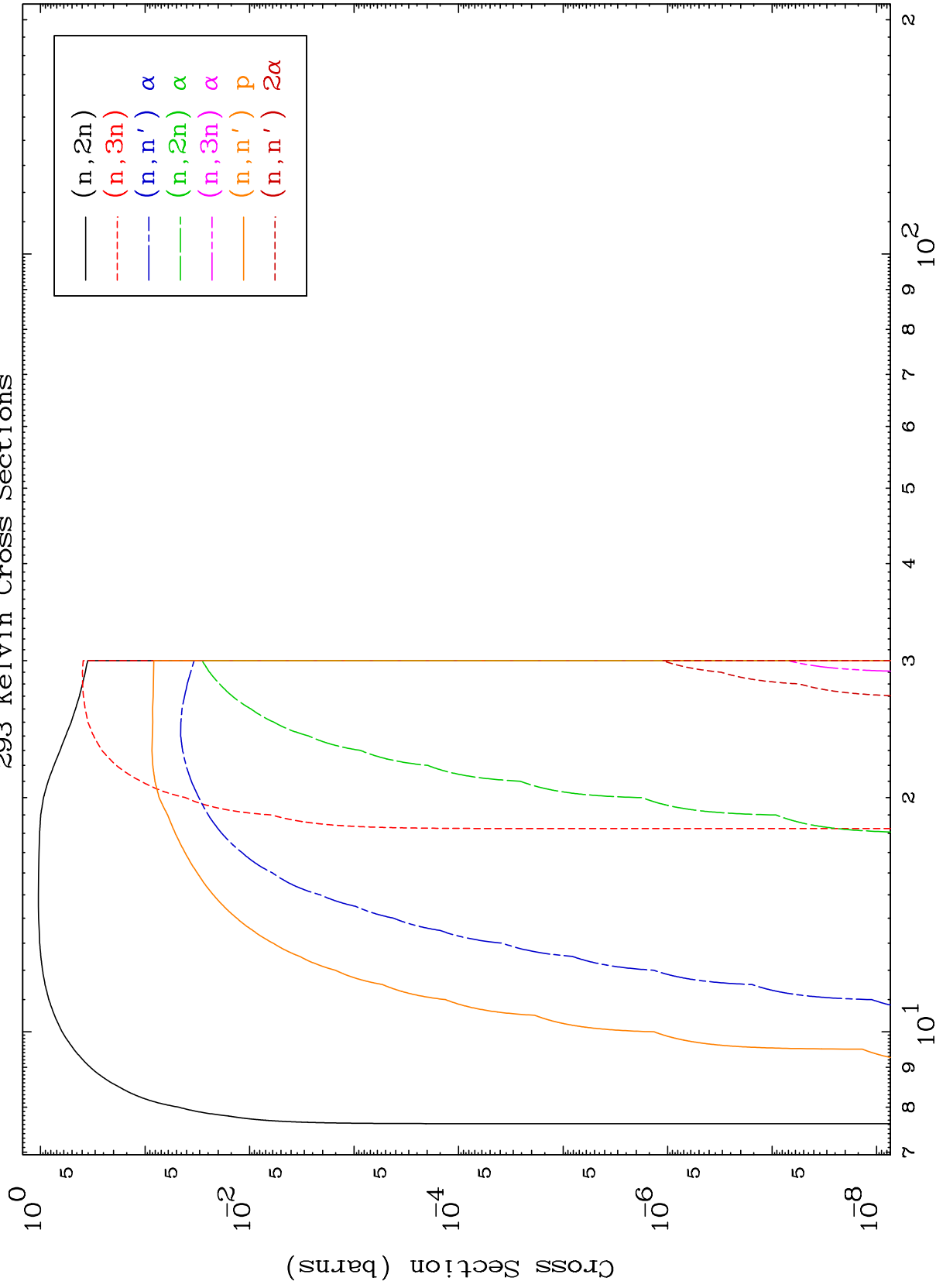
27-Co-60



MAT 2728

Neutron Production  
293 Kelvin Cross Sections

27-Co-60



2

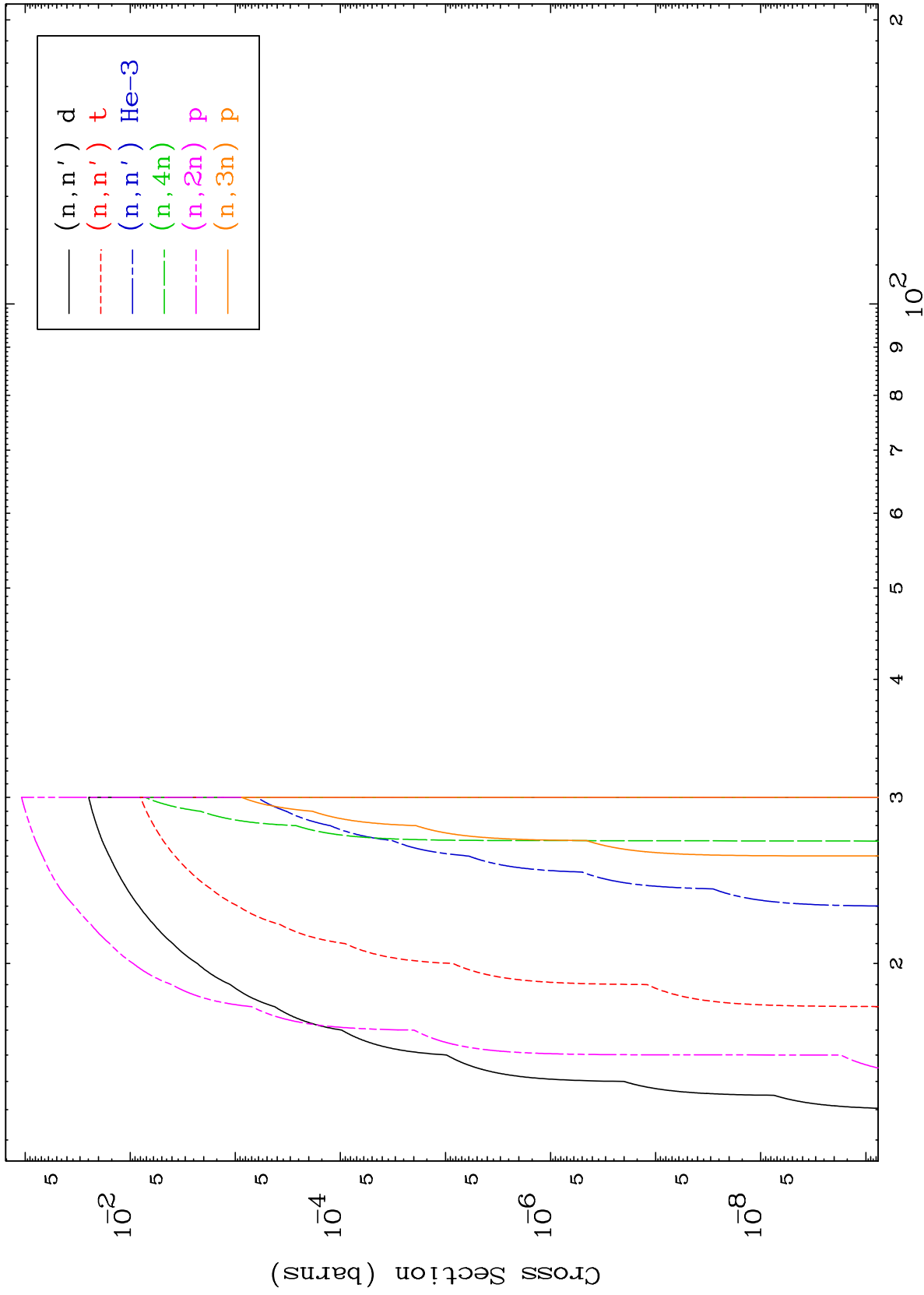
Incident Energy (MeV)

27-Co-60

MAT 2728

Neutron Production  
293 Kelvin Cross Sections

27-Co-60



3

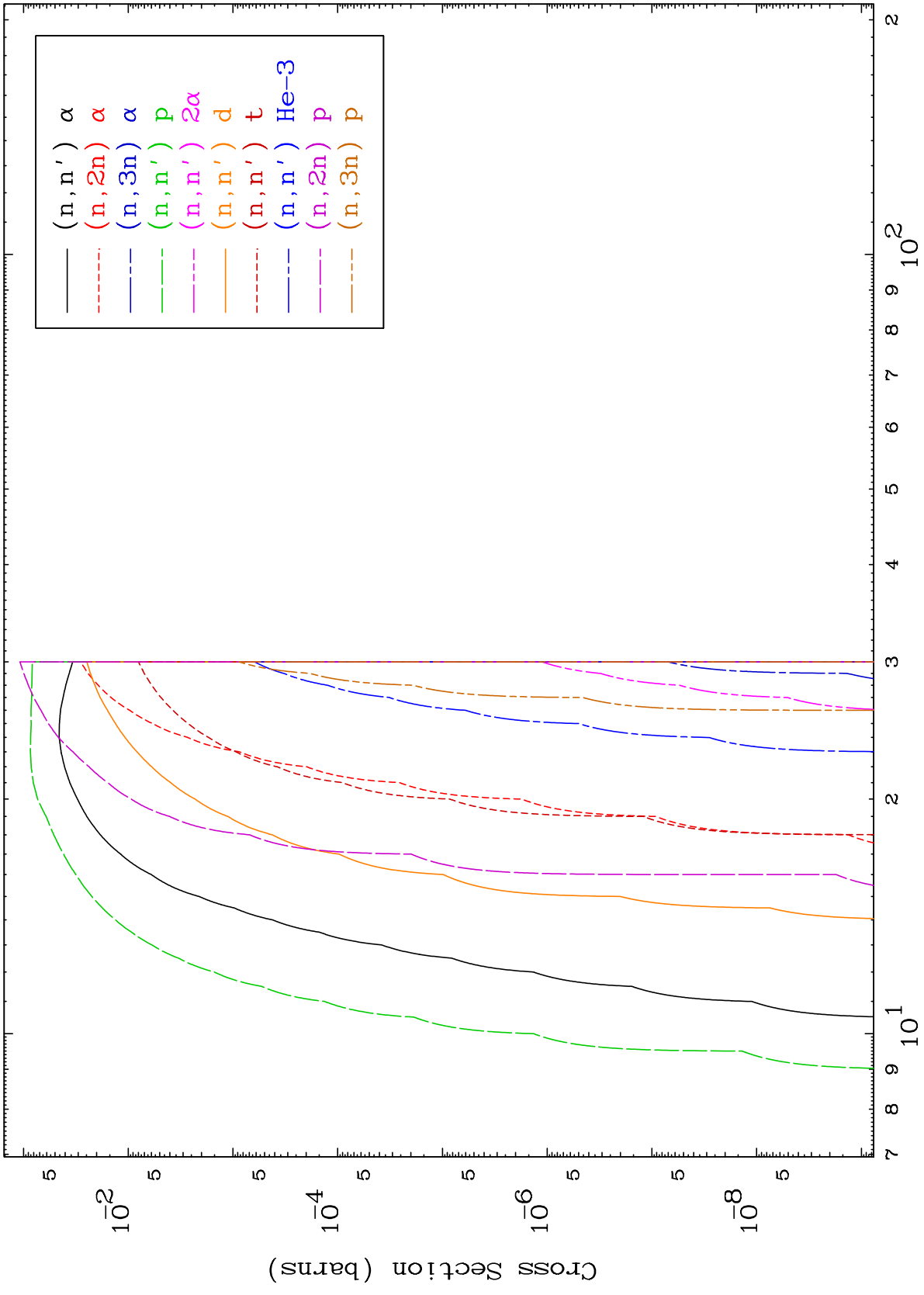
Incident Energy (MeV)

27-Co-60

MAT 2728

Charged Particle  
293 Kelvin Cross Sections

27-Co-60



4

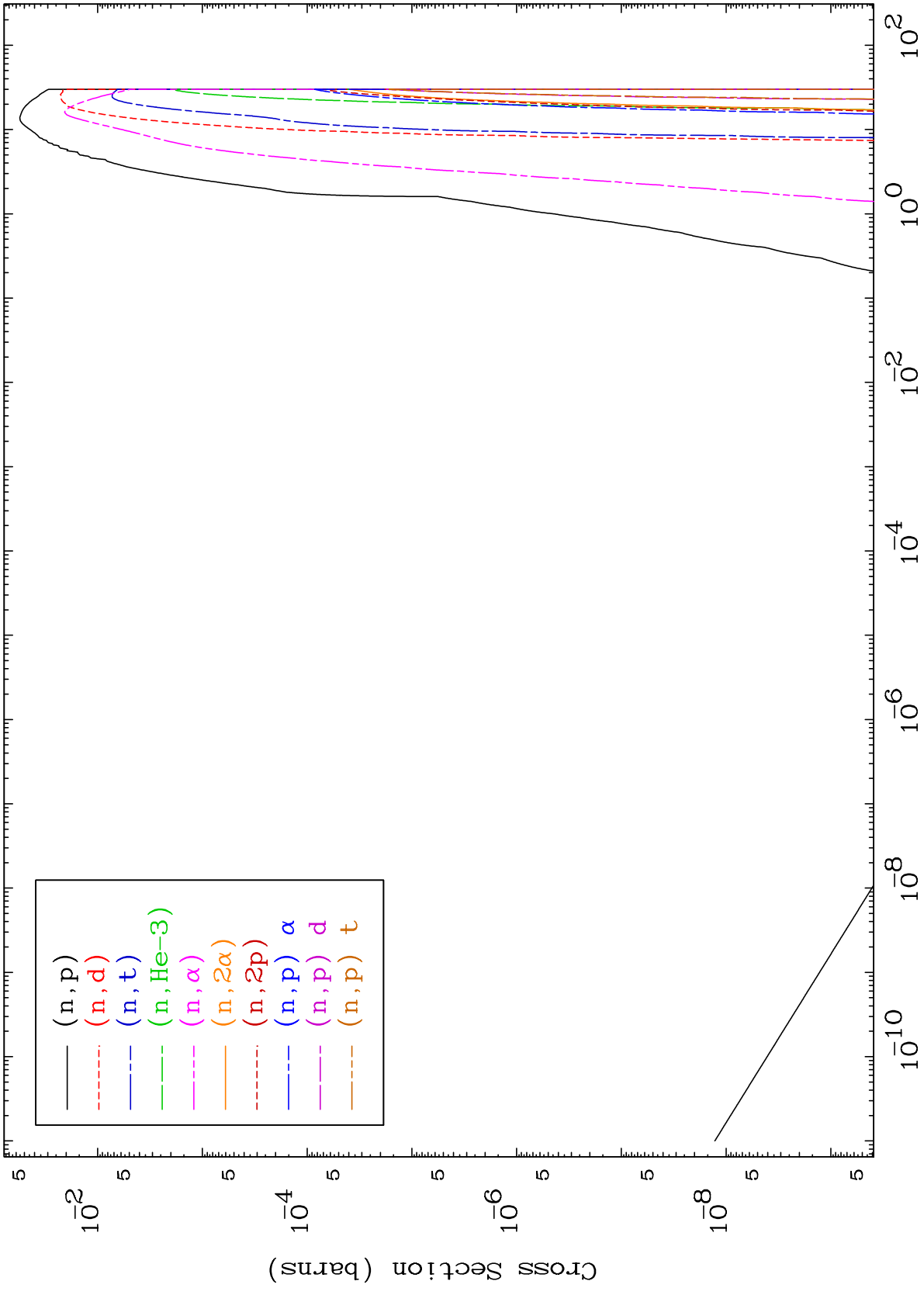
Incident Energy (MeV)

27-Co-60

MAT 2728

Charged Particle  
293 Kelvin Cross Sections

27-Co-60



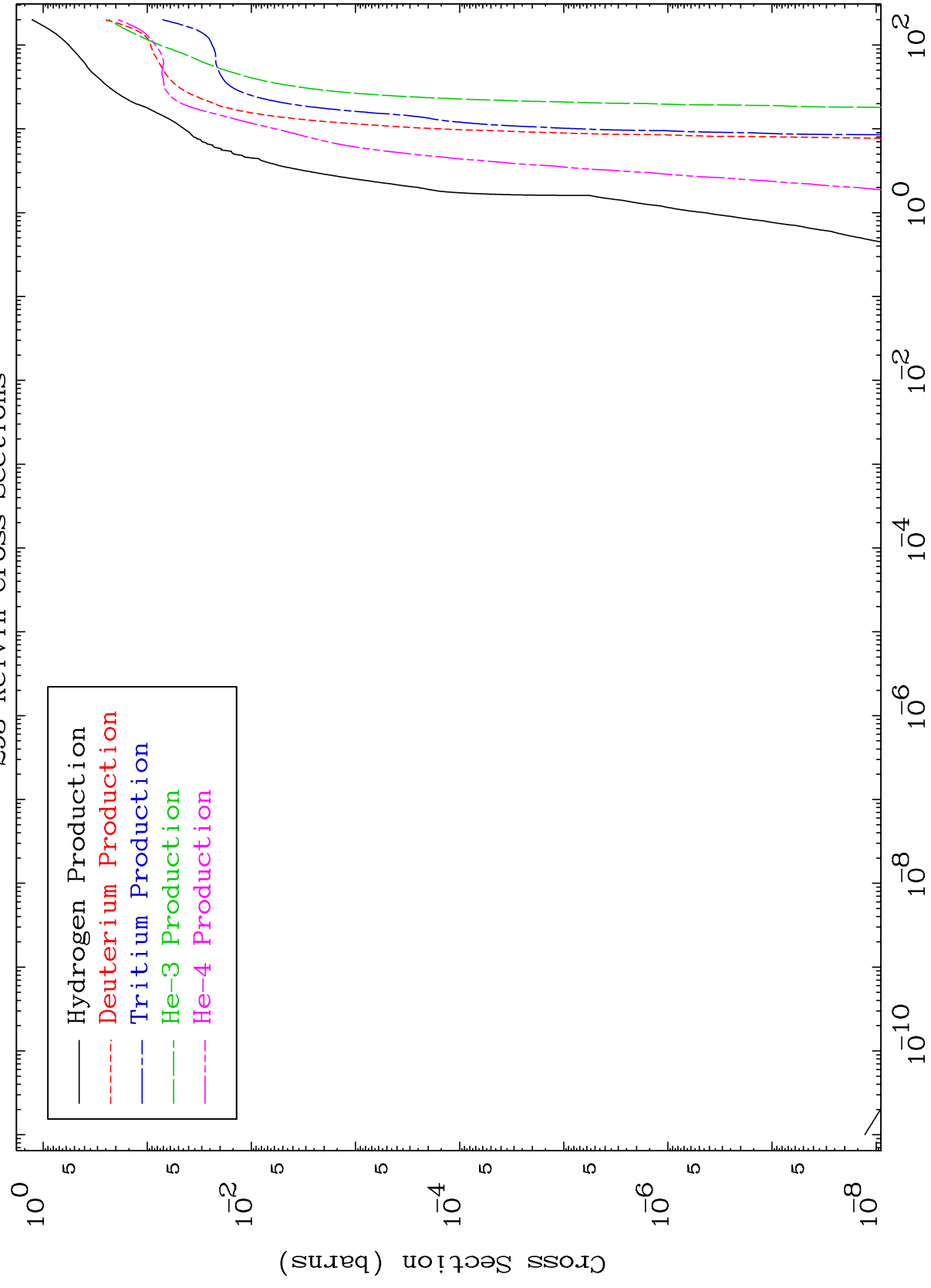
5

27-Co-60

MAT 2728

Particle Production  
293 Kelvin Cross Sections

27-Co-60



6

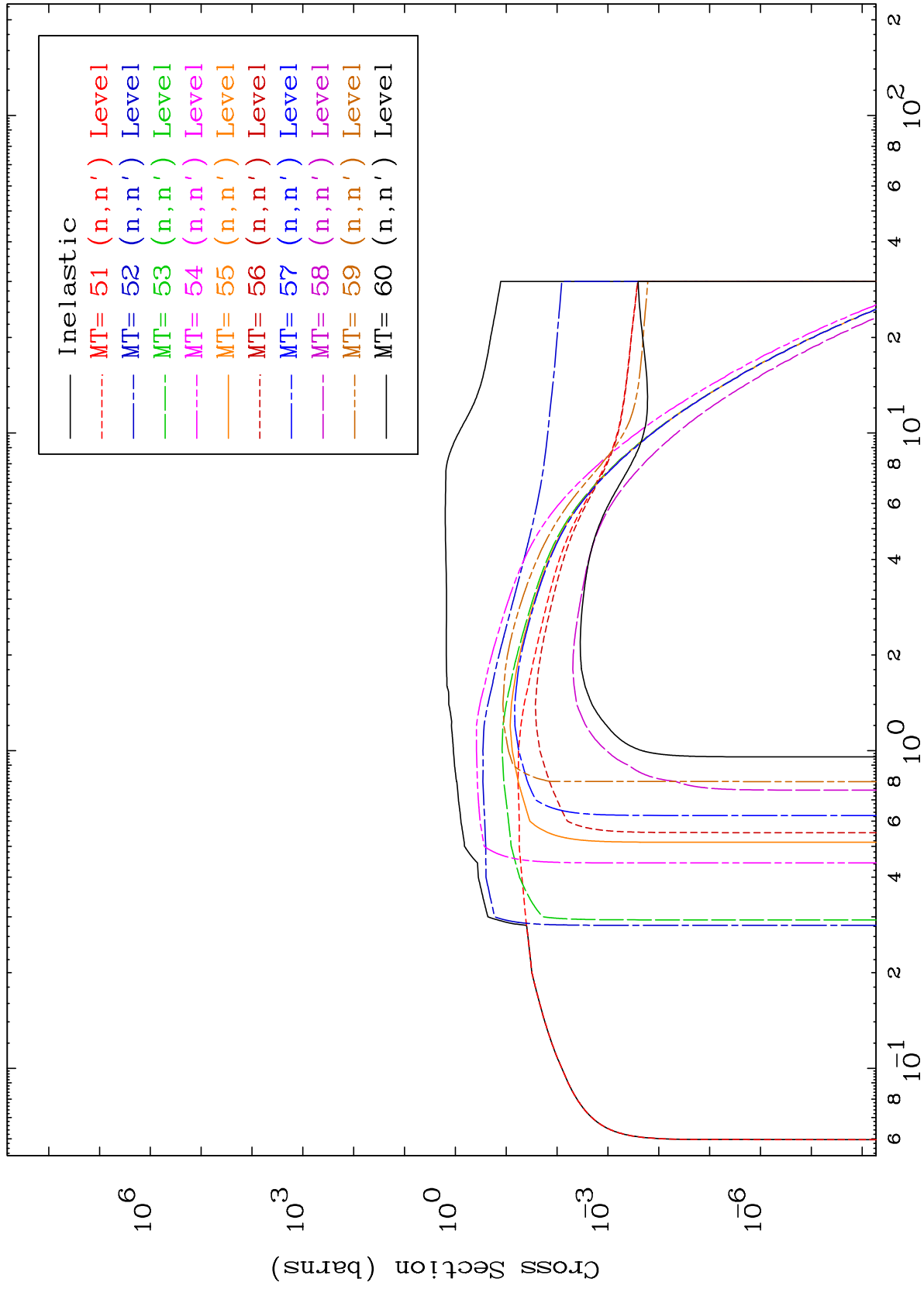
27-Co-60

MAT 2728

(n,n') Level

27-Co-60

293 Kelvin Cross Sections



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Incident Energy (MeV)

27-Co-60

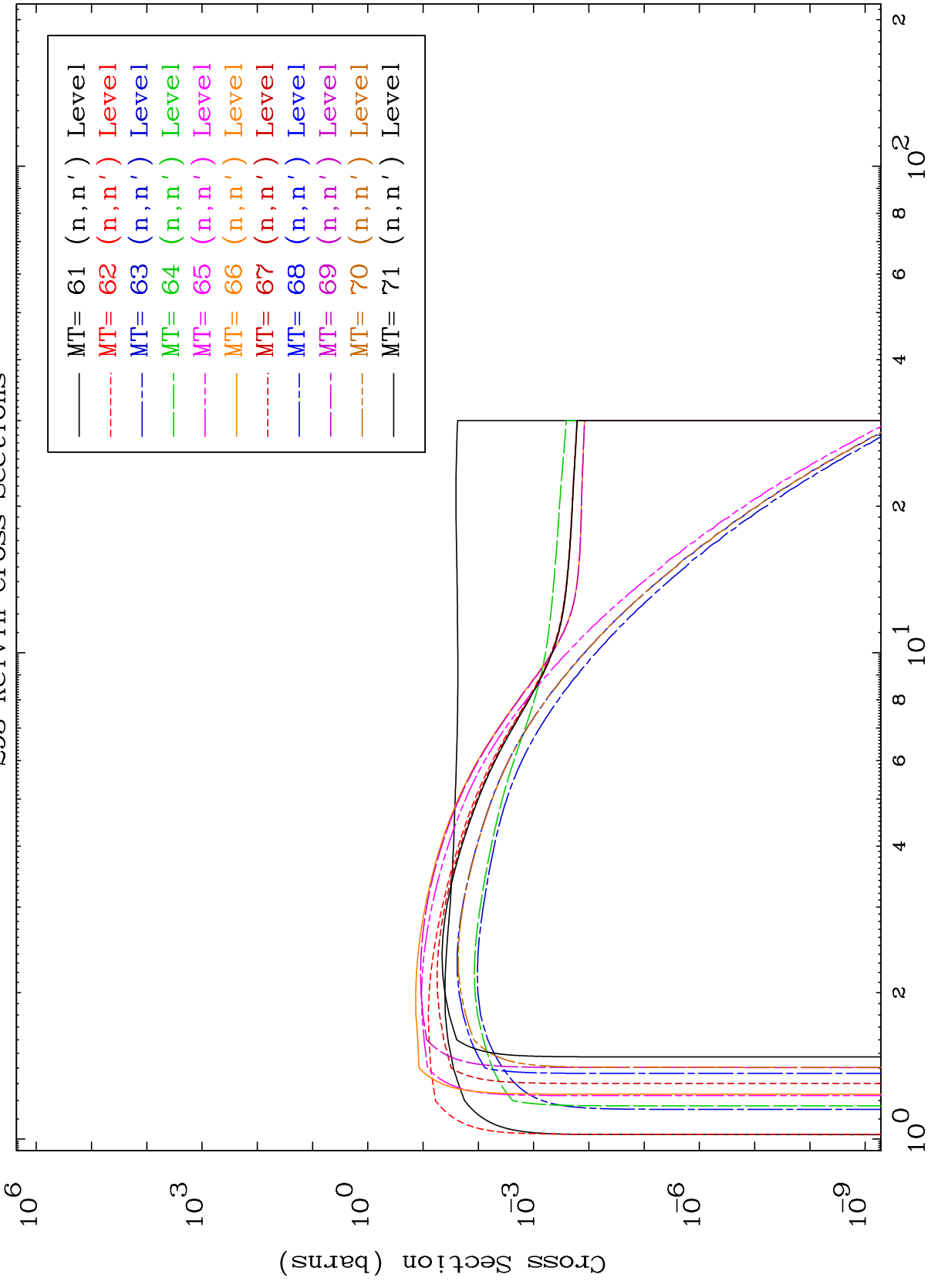


MAT 2728

(n,n') Level

293 Kelvin Cross Sections

27-Co-60



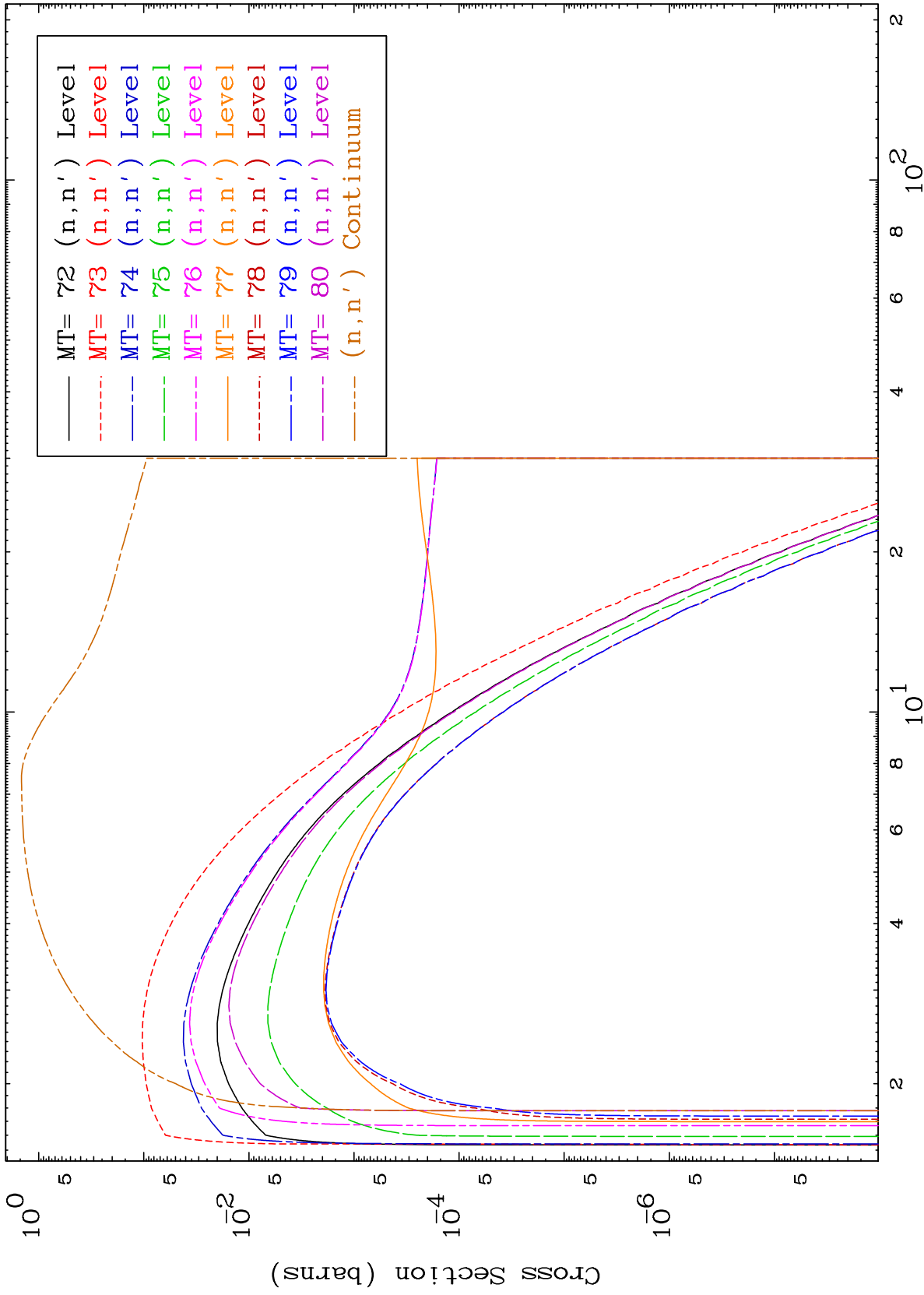
Incident Energy (MeV)

27-Co-60

MAT 2728

(n,n') Level  
293 Kelvin Cross Sections

27-Co-60



9

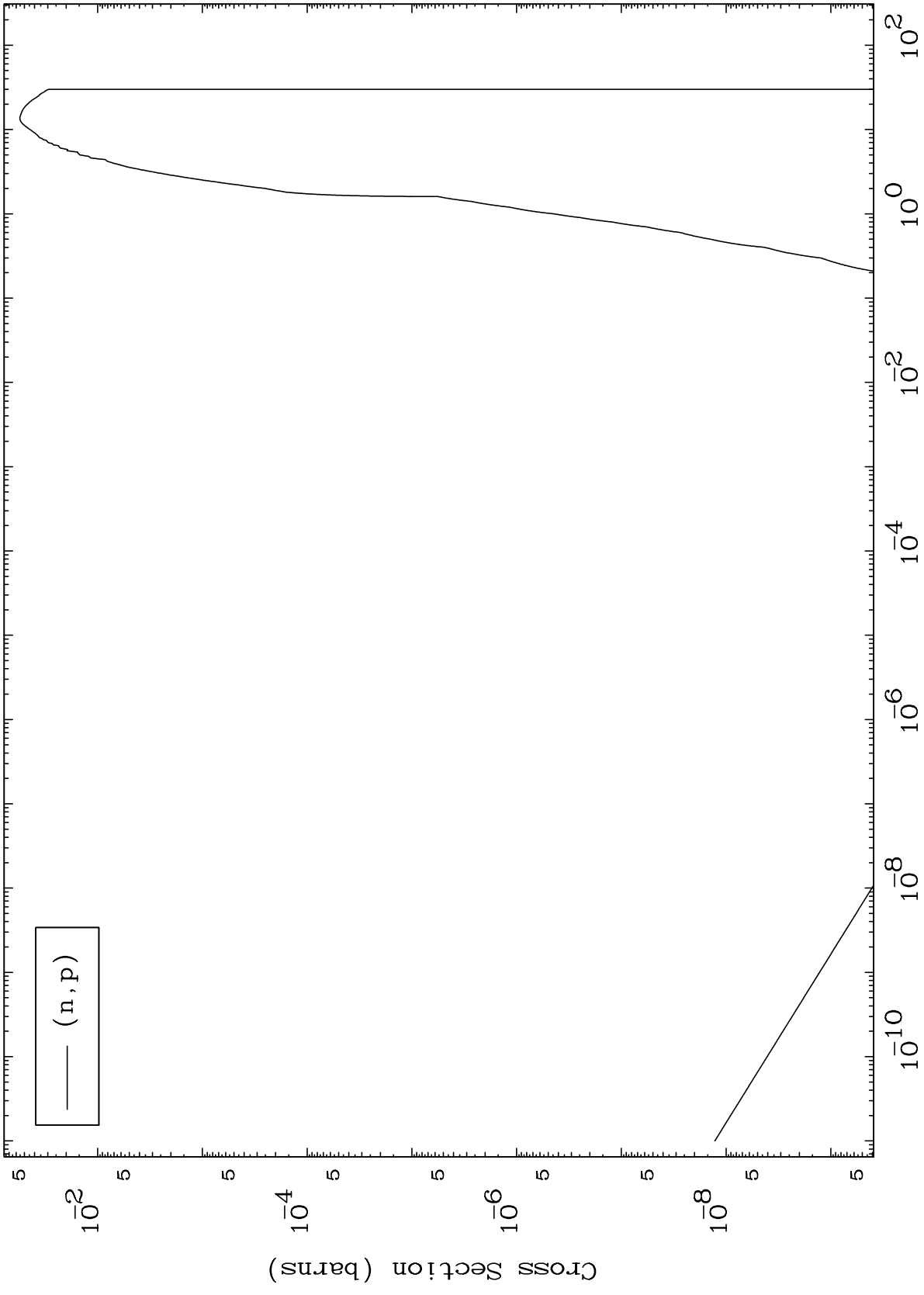
Incident Energy (MeV)

27-Co-60

MAT 2728

(n,p) Levels  
293 Kelvin Cross Sections

27-Co-60



10

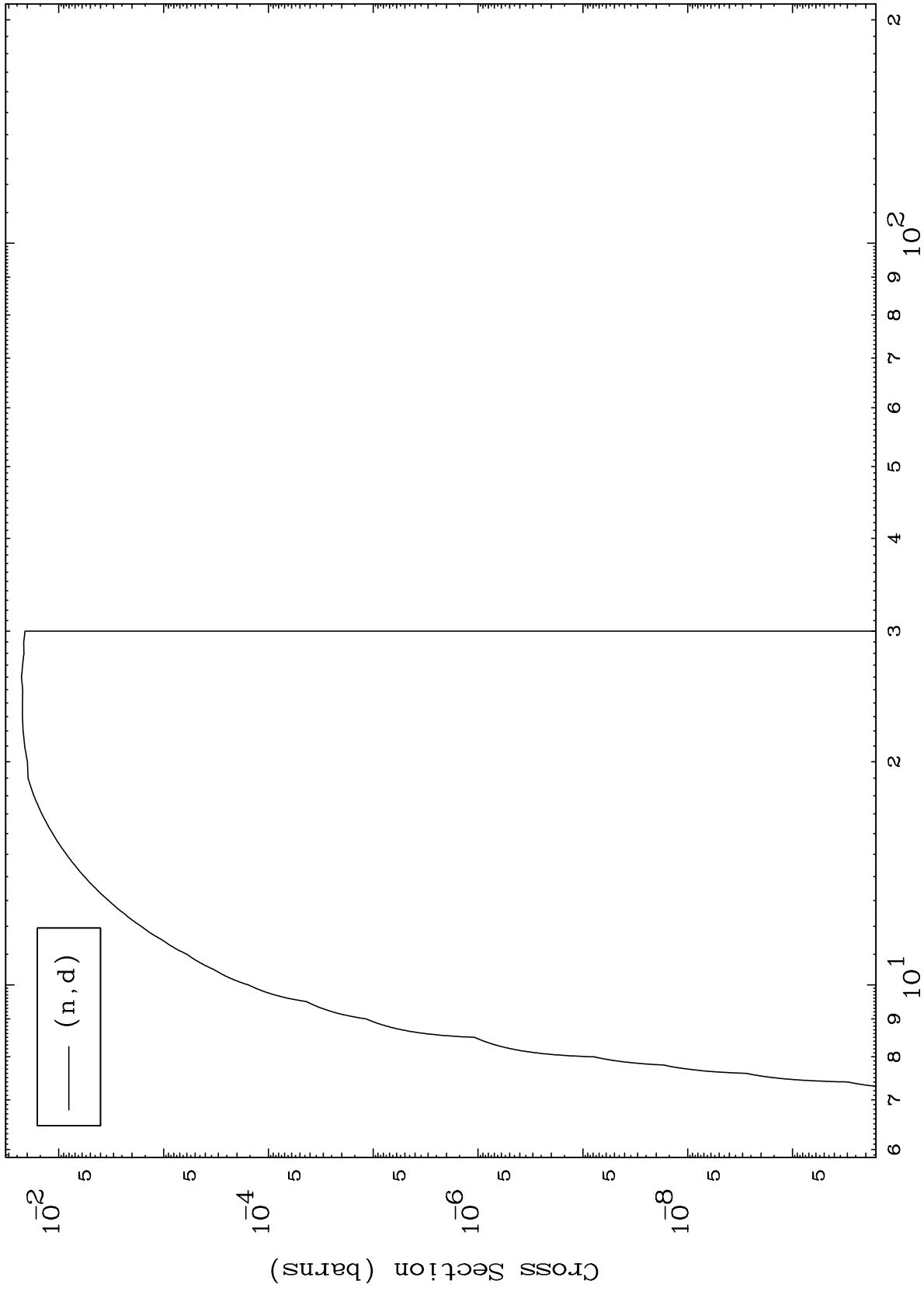
Incident Energy (MeV)

27-Co-60

MAT 2728

(n,d) Levels  
293 Kelvin Cross Sections

27-Co-60



11

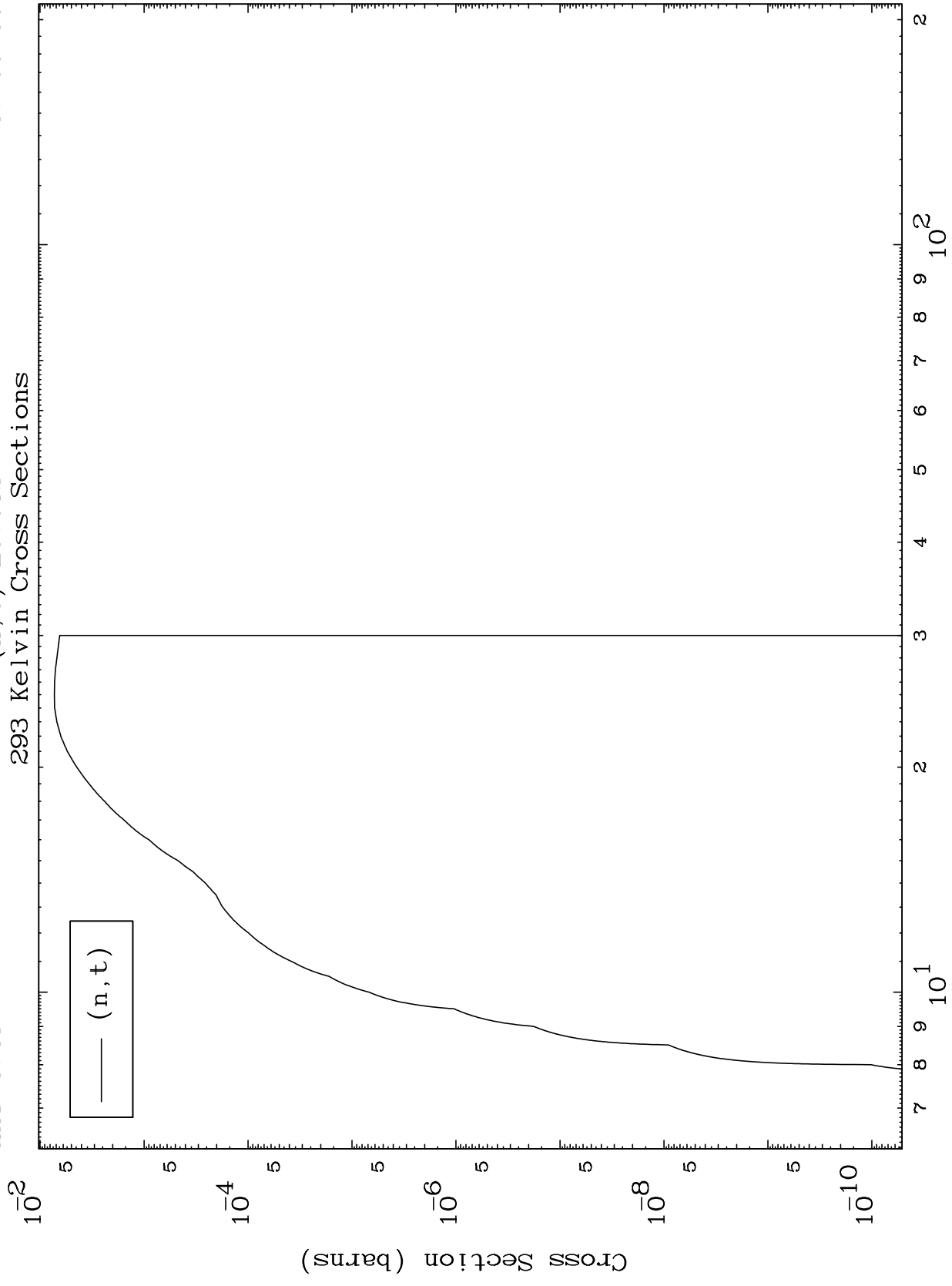
Incident Energy (MeV)

27-Co-60

MAT 2728

(n,t) Levels  
293 Kelvin Cross Sections

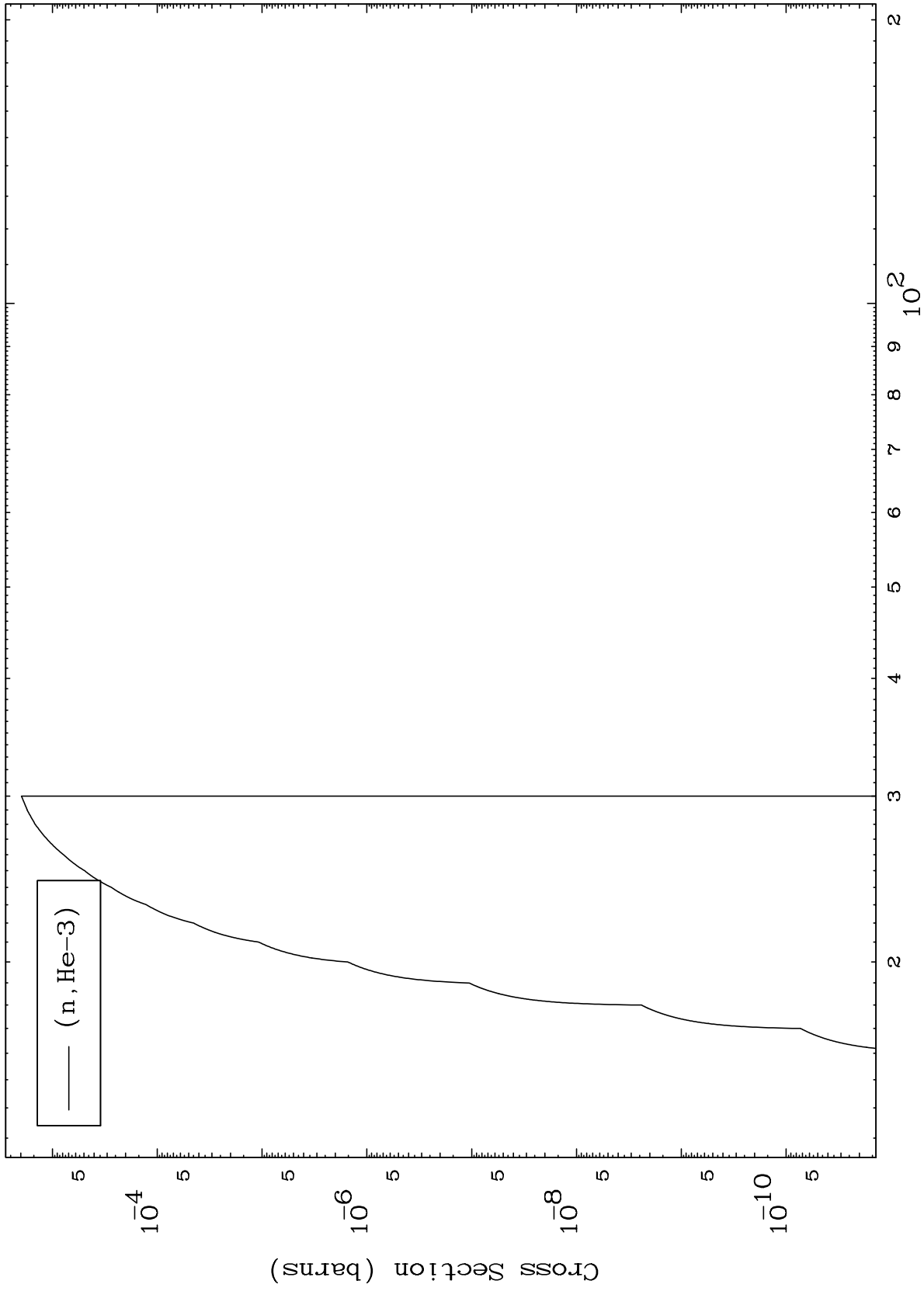
27-Co-60



12

Incident Energy (MeV)

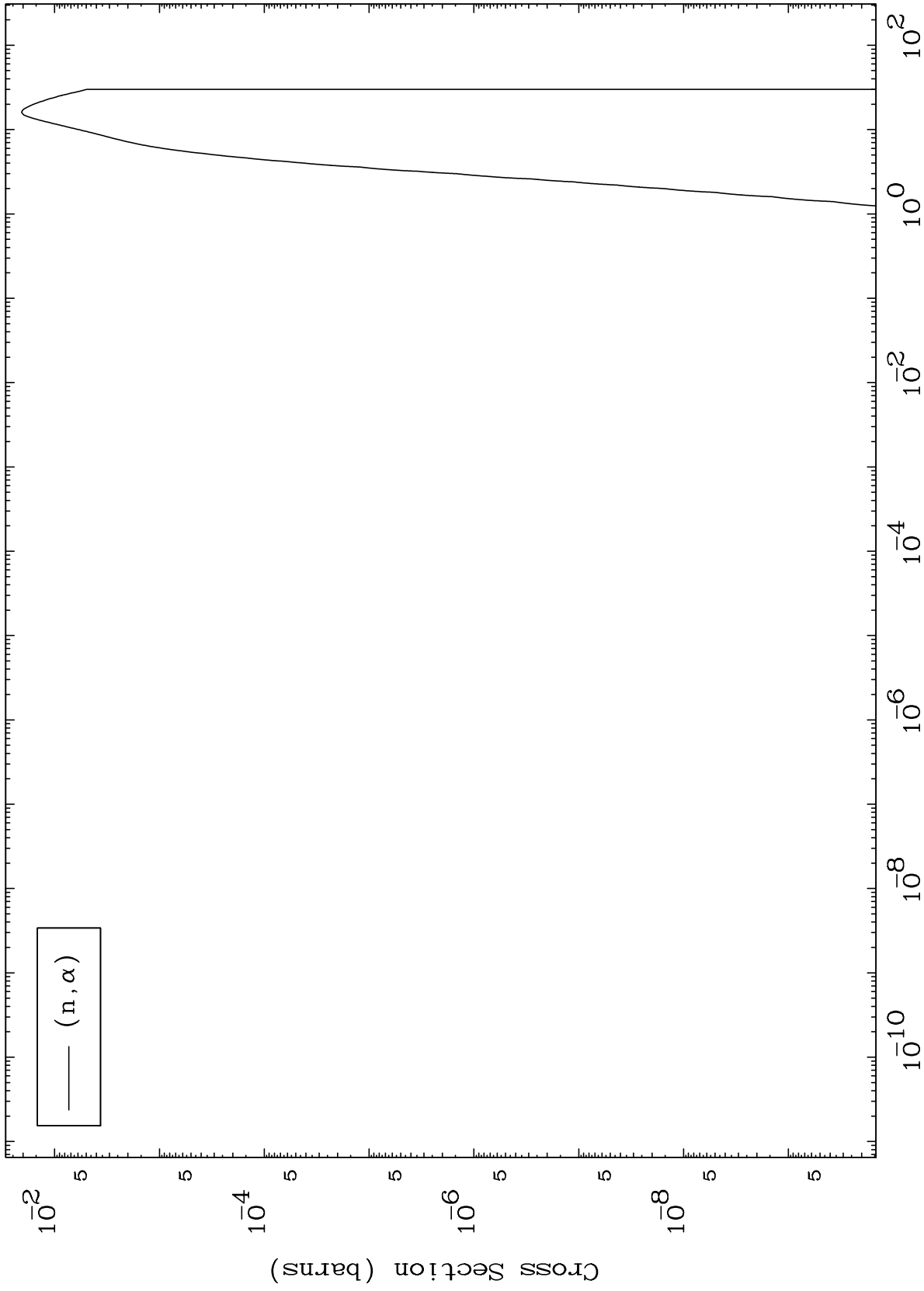
27-Co-60



MAT 2728

(n,α) Levels  
293 Kelvin Cross Sections

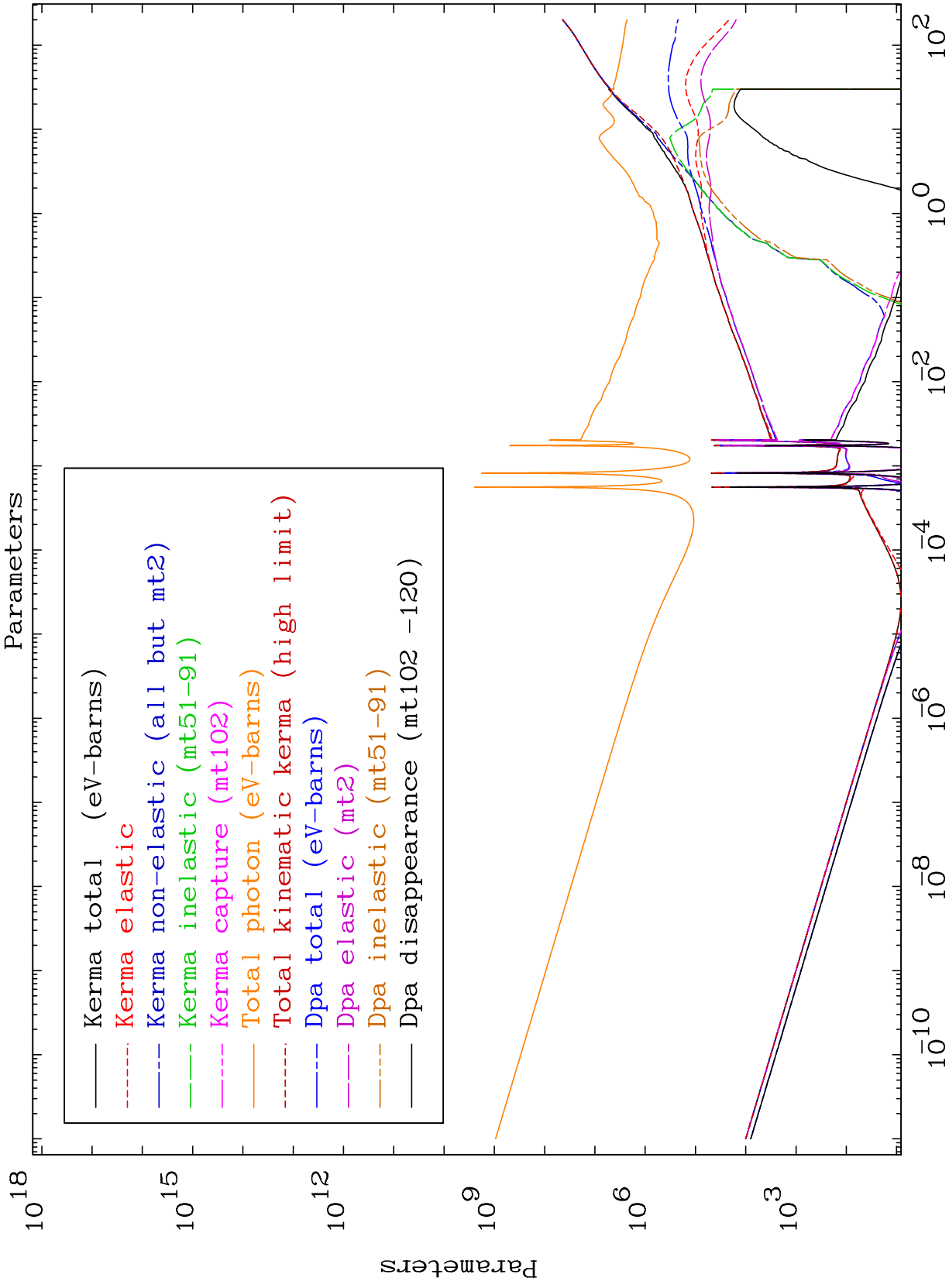
27-Co-60



MAT 2728

Energy Release  
Parameters

27-Co-60



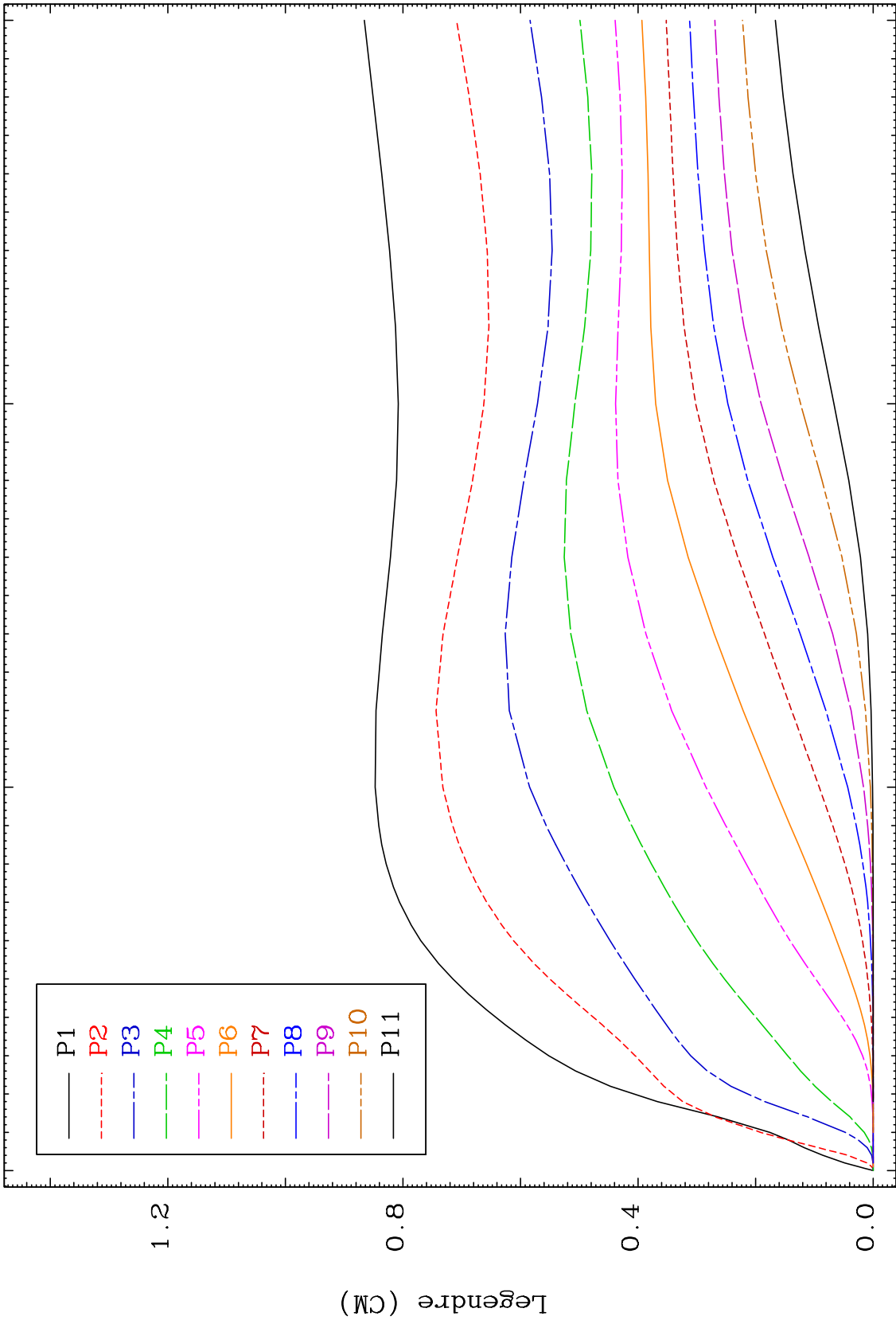
15



MAT 2728

Elastic Legendre Coefficients

<sup>27</sup>Co-60



16

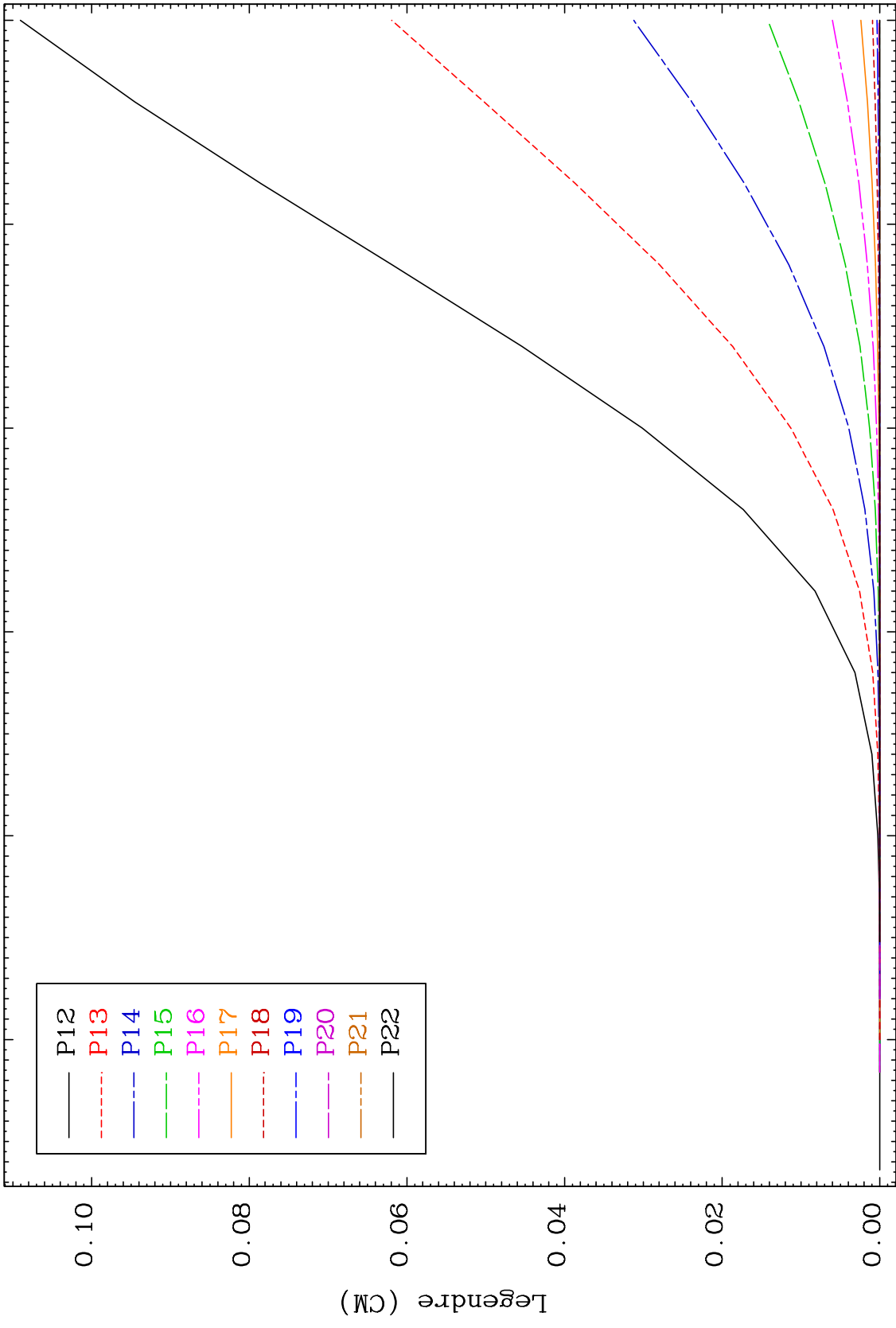
Incident Energy (MeV)

<sup>27</sup>Co-60

MAT 2728

Elastic Legendre Coefficients

<sup>27</sup>Co-60



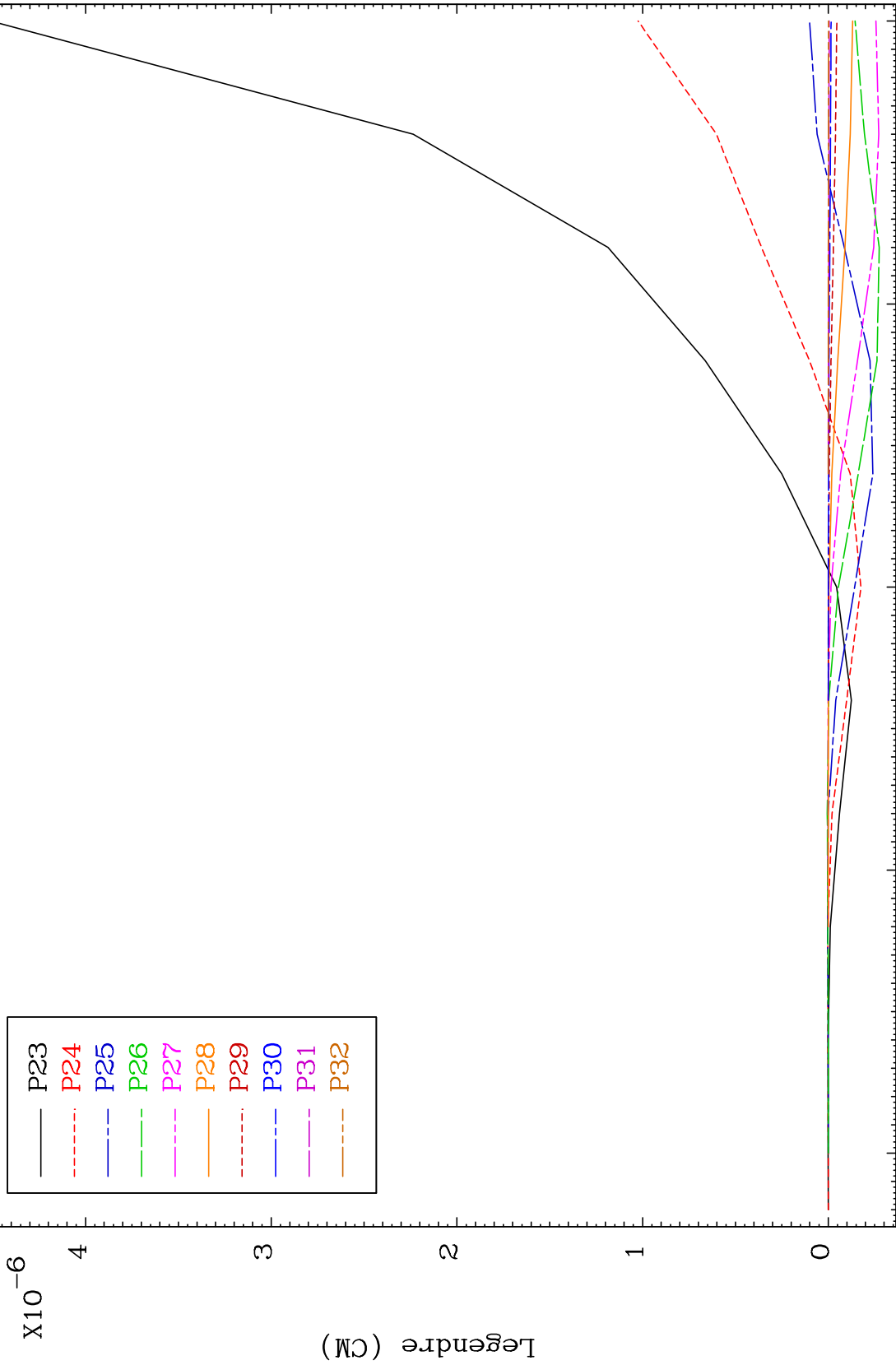
17

<sup>27</sup>Co-60

MAT 2728

Elastic Legendre Coefficients

<sup>27</sup>Co-60



18

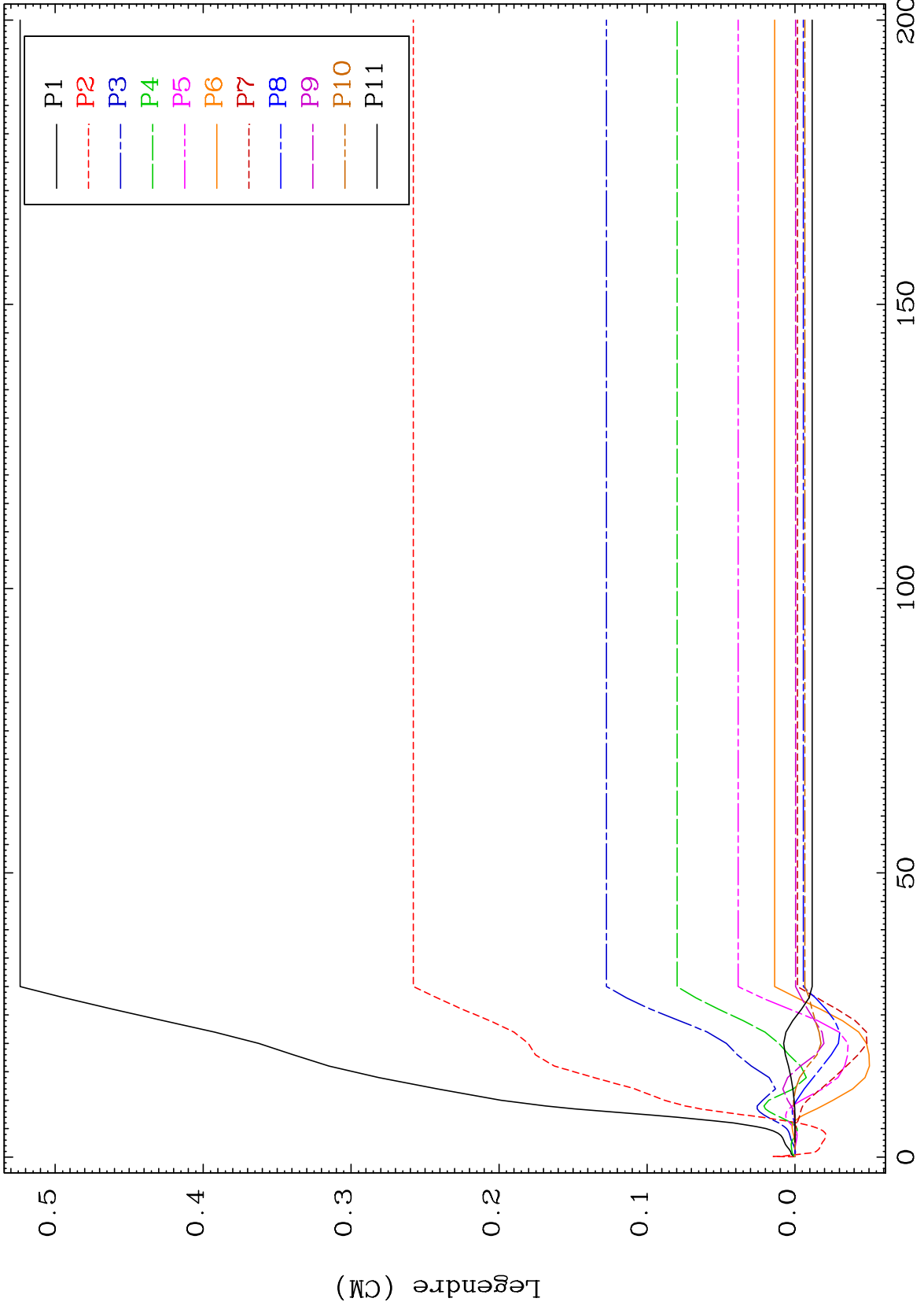
Incident Energy (MeV)

<sup>27</sup>Co-60

MAT 2728

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

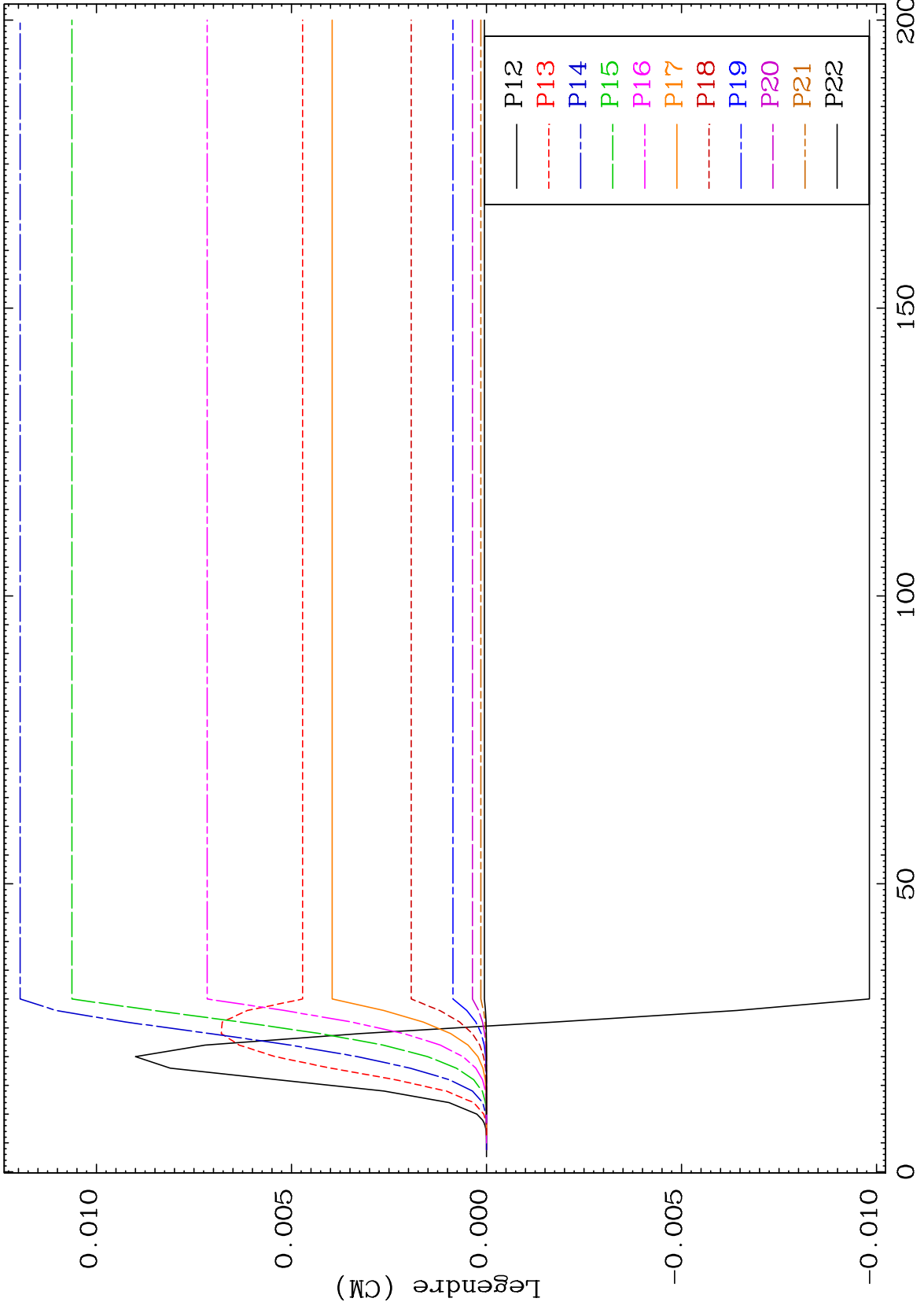
27-Co-60



19

27-Co-60

MAT 2728 MT= 51 (n,n') Level Legendre Coefficients 27-Co-60

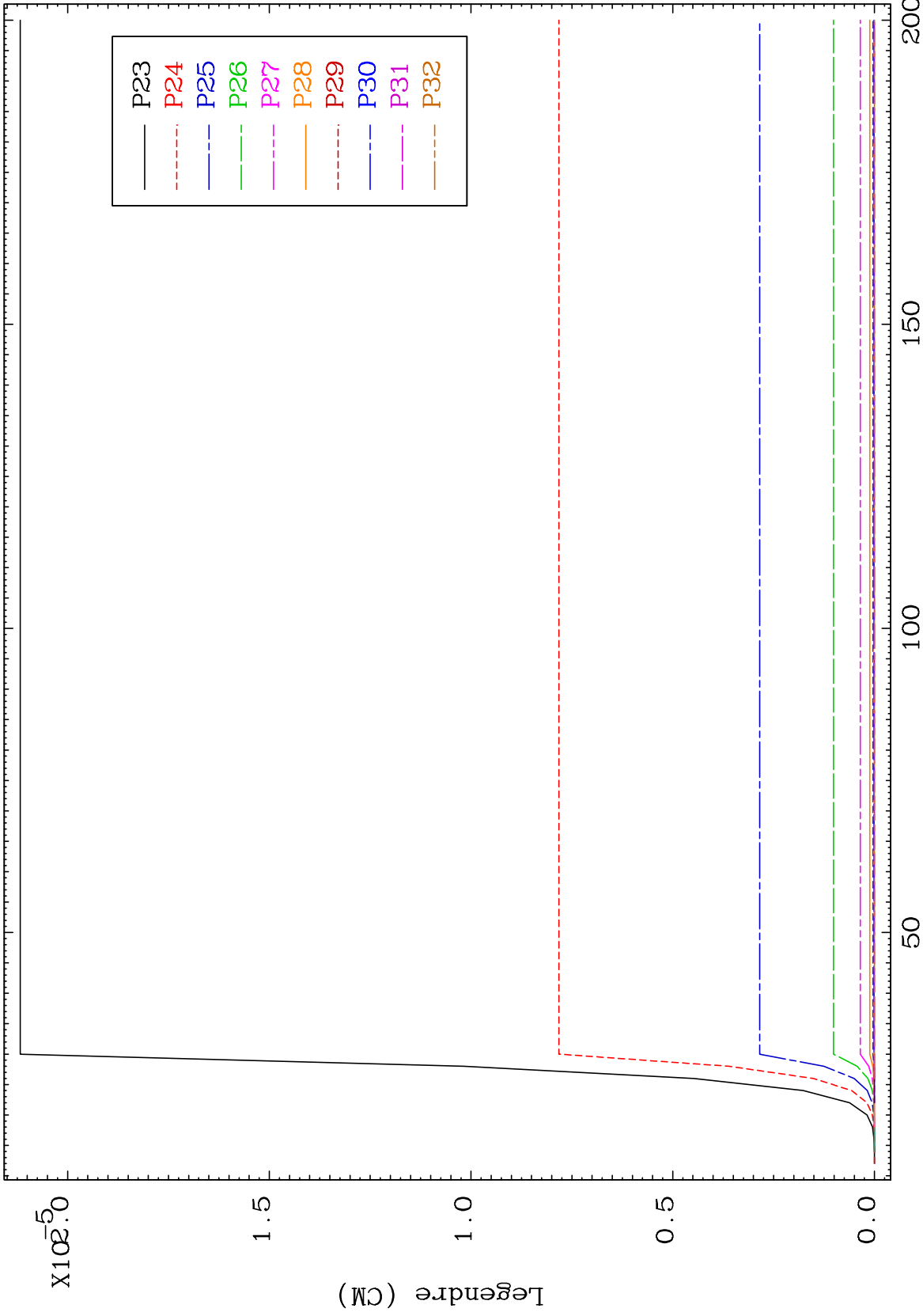


27-Co-60 Incident Energy (MeV)

MAT 2728

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

27-Co-60



21

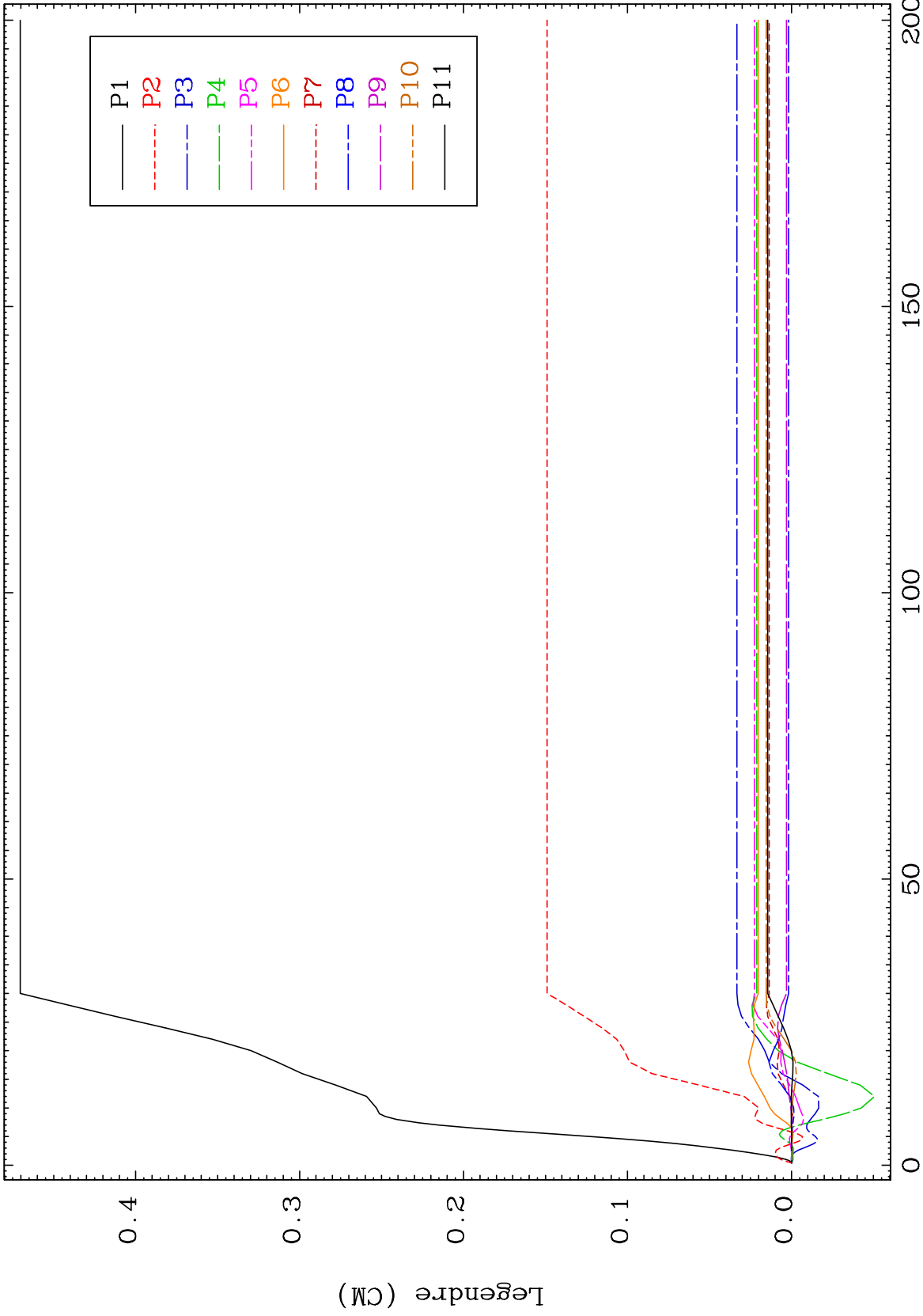
Incident Energy (MeV)

27-Co-60

MAT 2728

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

27-Co-60



22

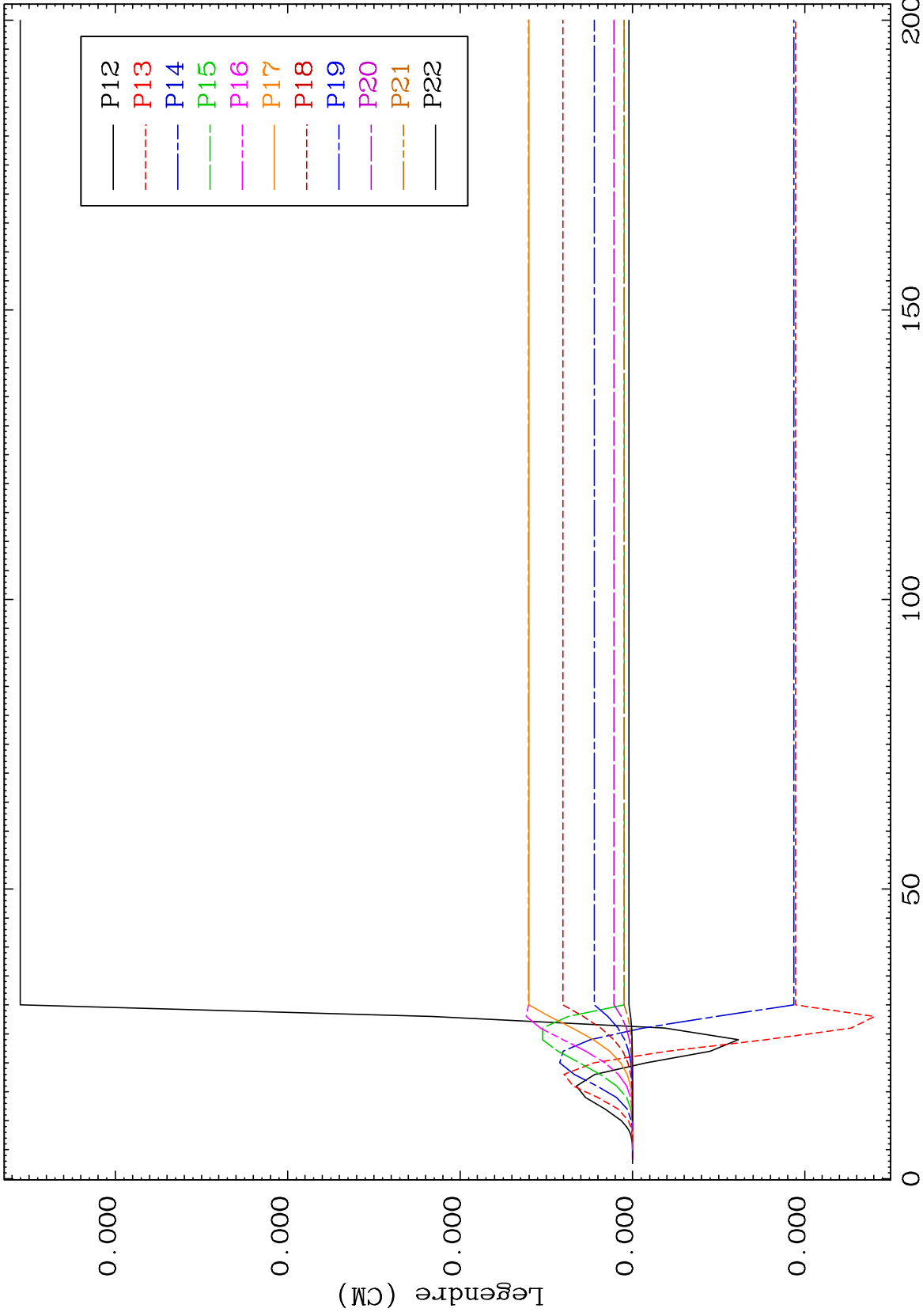
Incident Energy (MeV)

27-Co-60

MAT 2728

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

27-Co-60



23

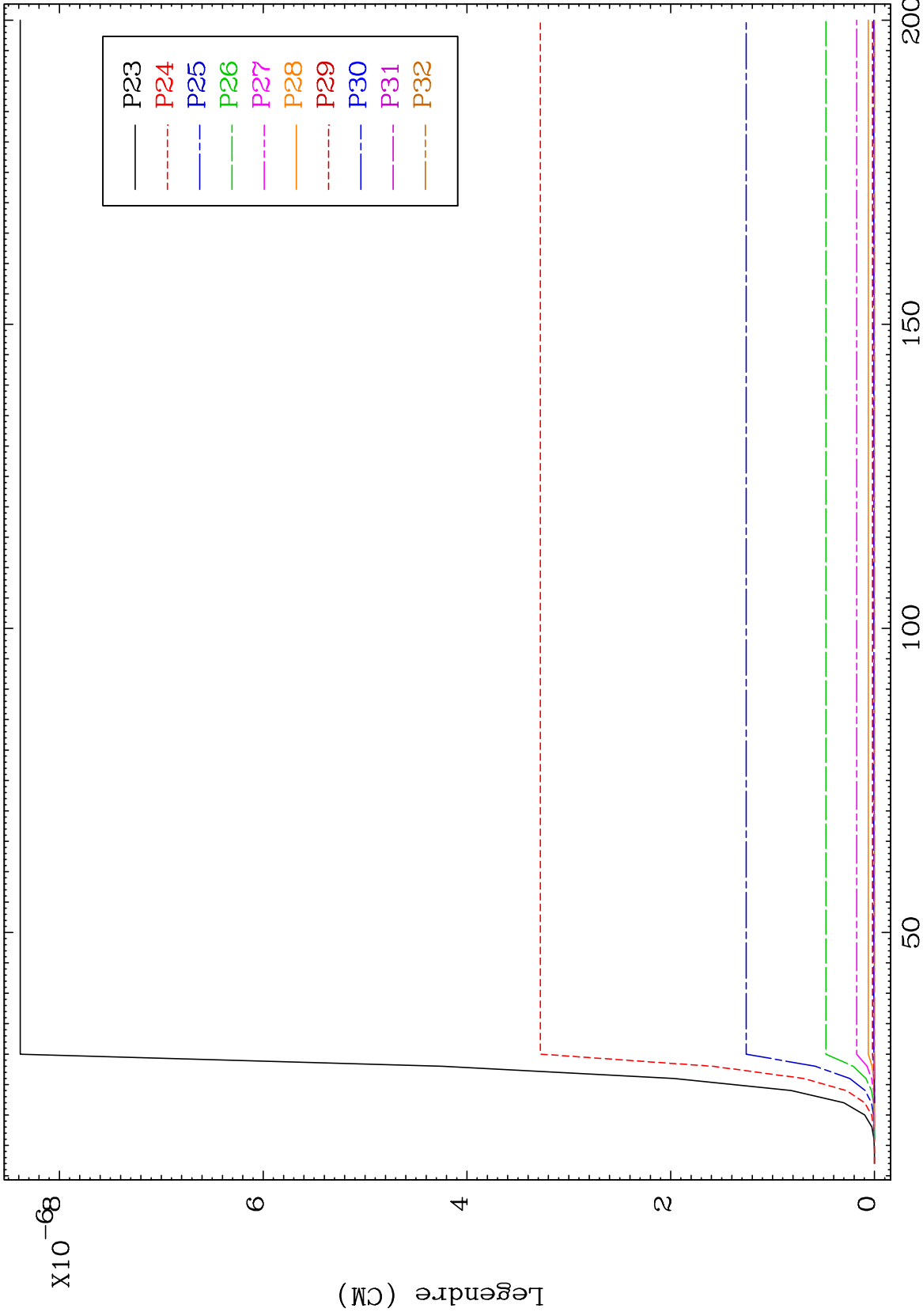
27-Co-60



MAT 2728

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

27-Co-60

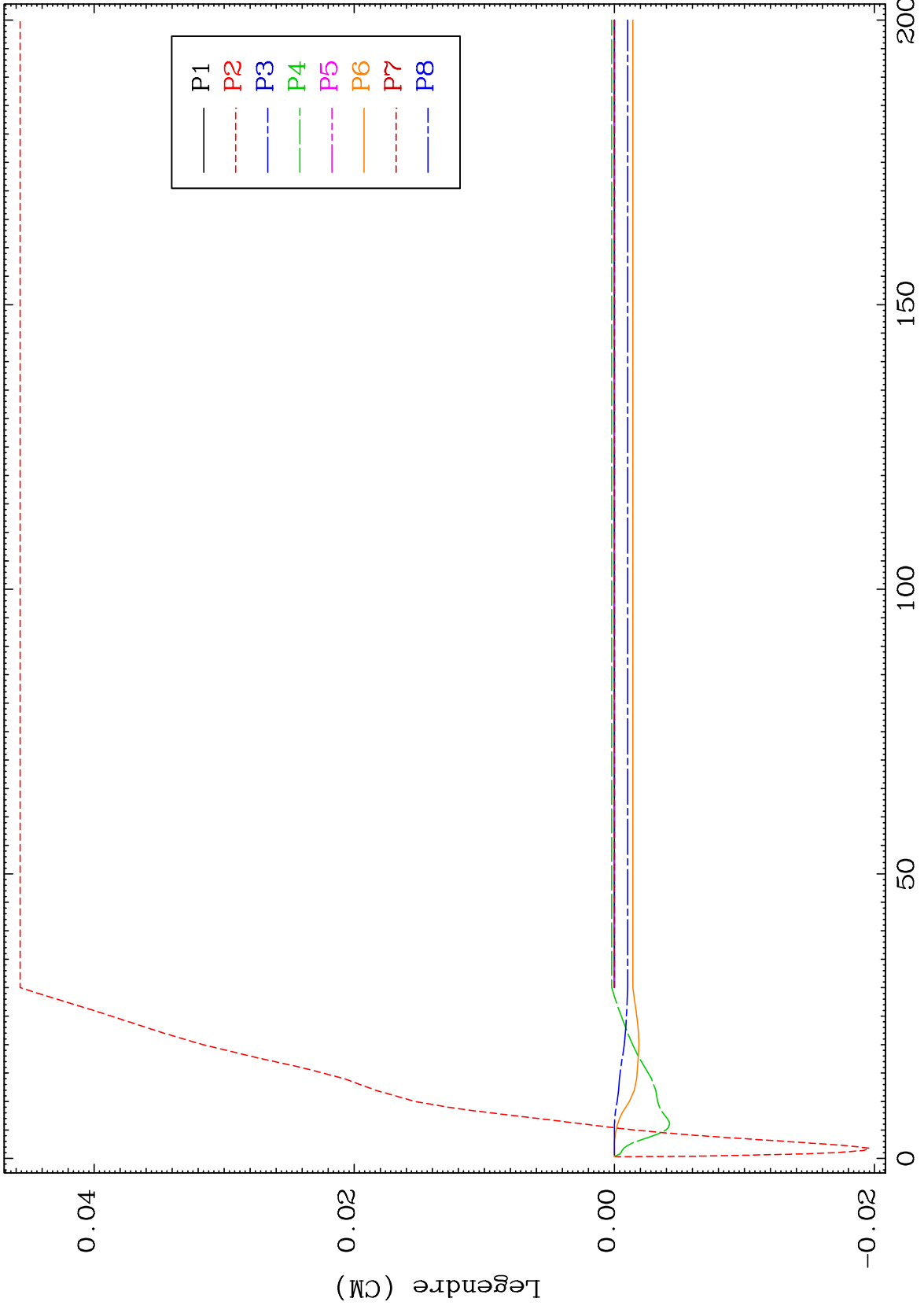


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Incident Energy (MeV)

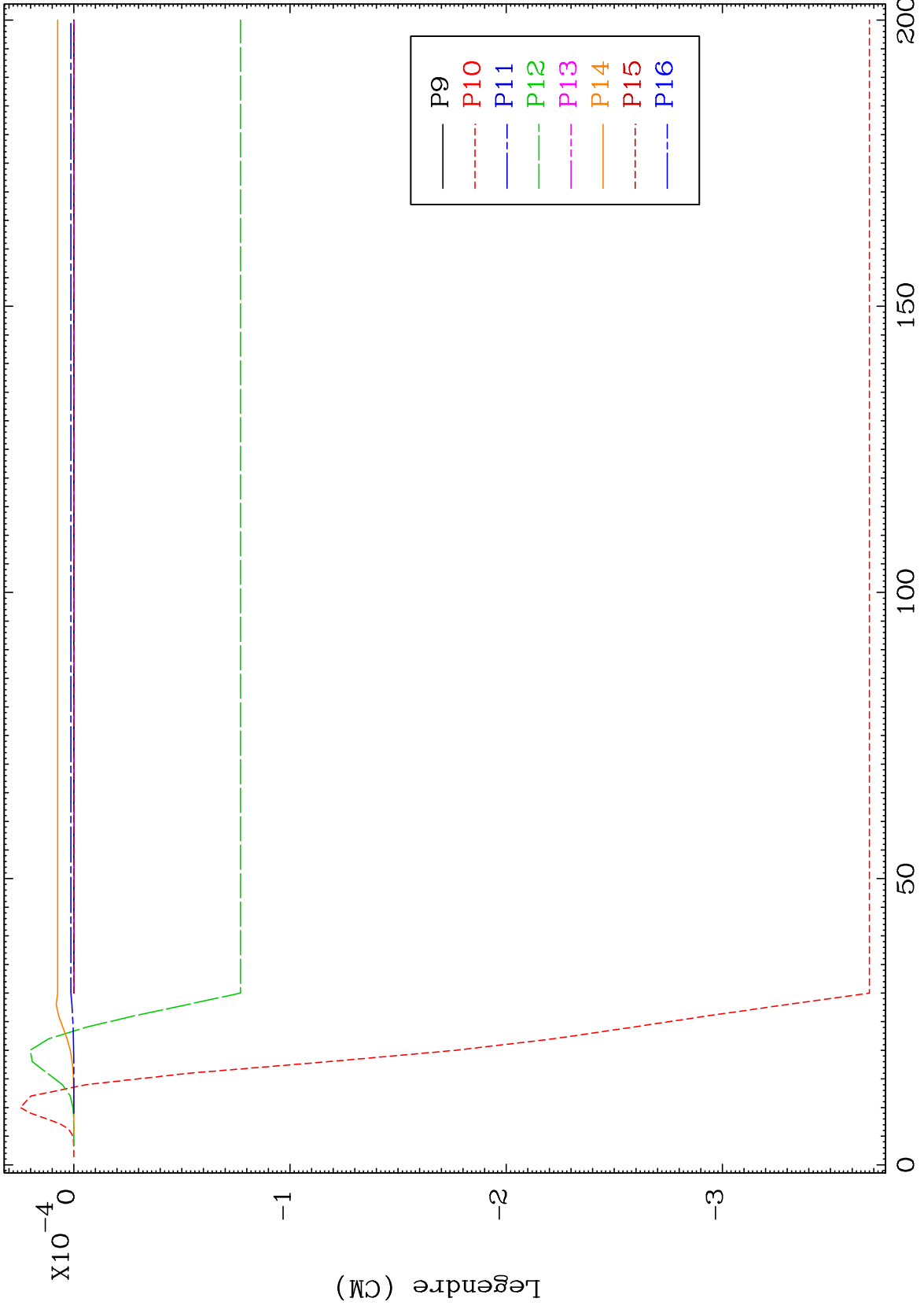
27-Co-60

MAT 2728 MT= 53 (n,n') Level Legendre Coefficients 27-Co-60



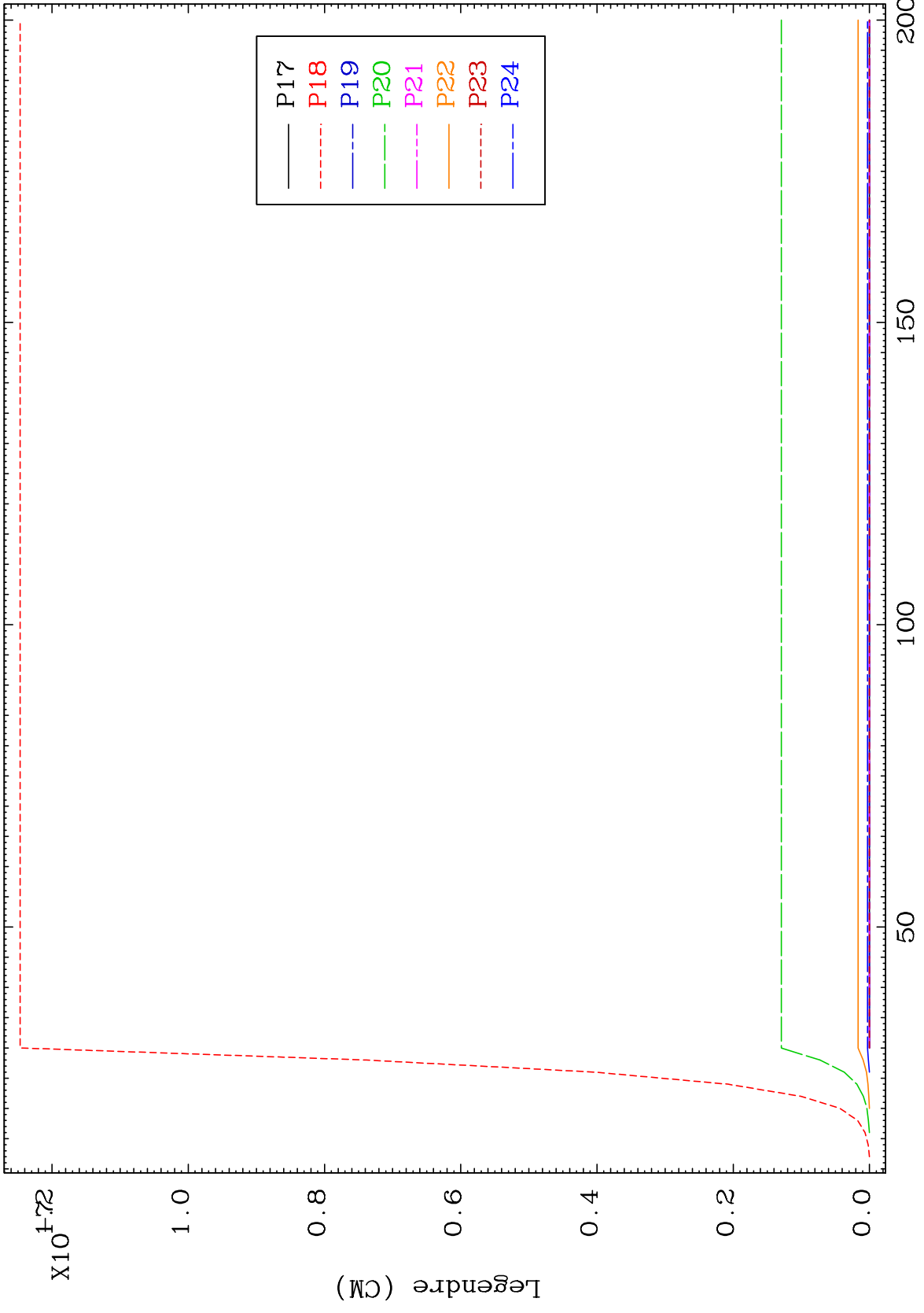
27-Co-60

MAT 2728 MT= 53 (n,n') Level Legendre Coefficients 27-Co-60



26 27-Co-60

MAT 2728 MT= 53 (n,n') Level Legendre Coefficients 27-Co-60

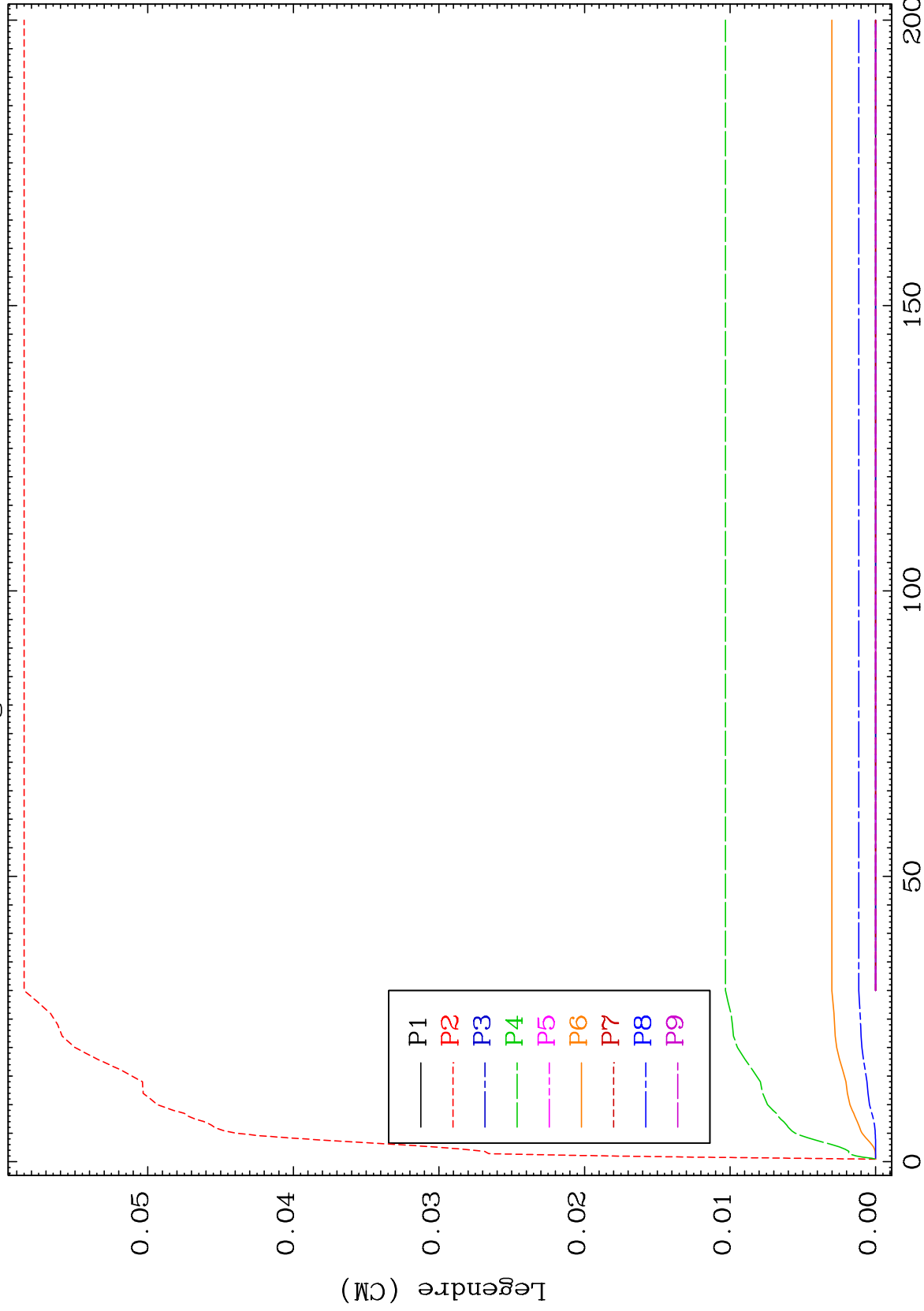


27 Incident Energy (MeV) 27-Co-60

MAT 2728

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

27-Co-60



28

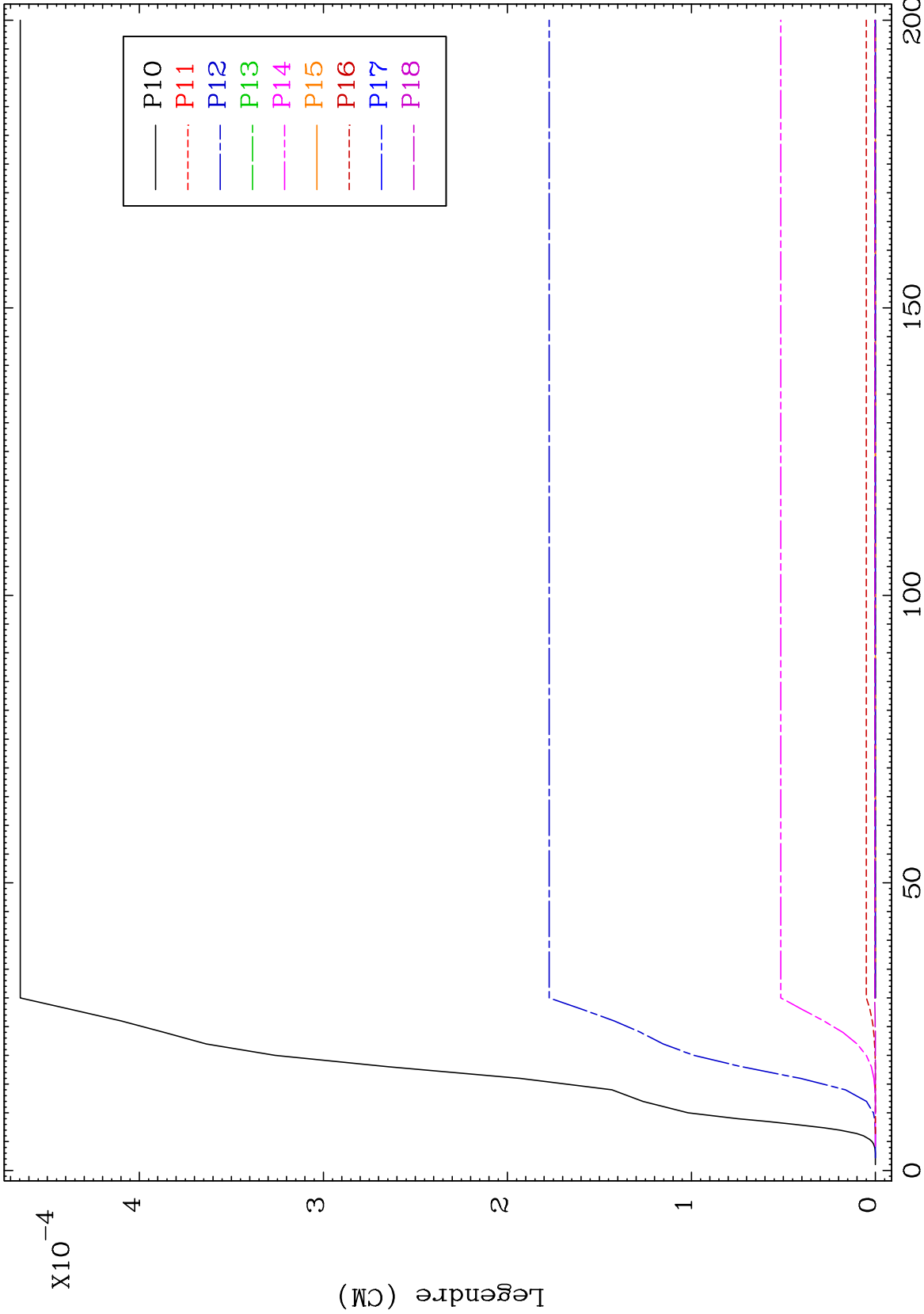
Incident Energy (MeV)

27-Co-60

MAT 2728

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

27-Co-60

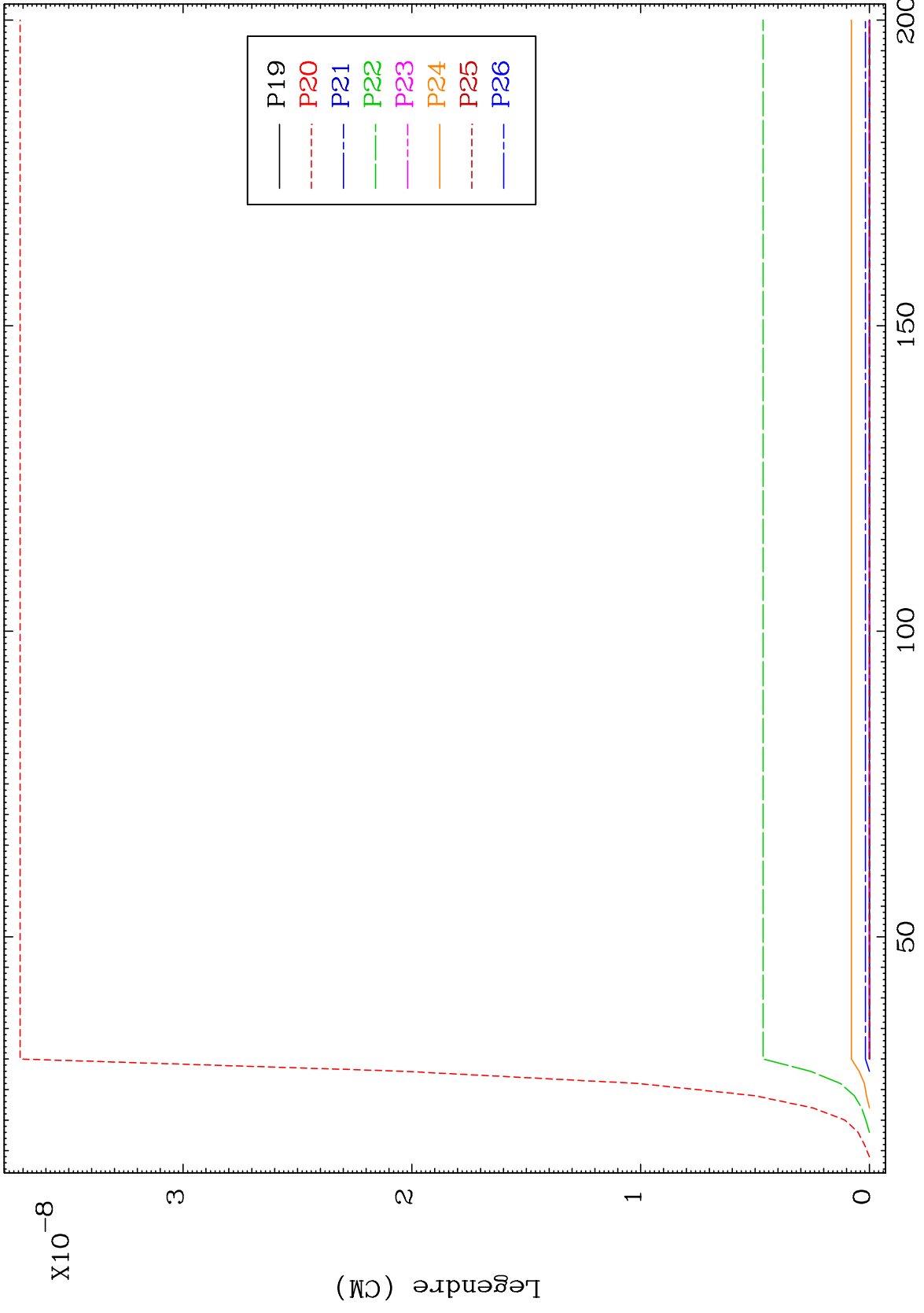


29

Incident Energy (MeV)

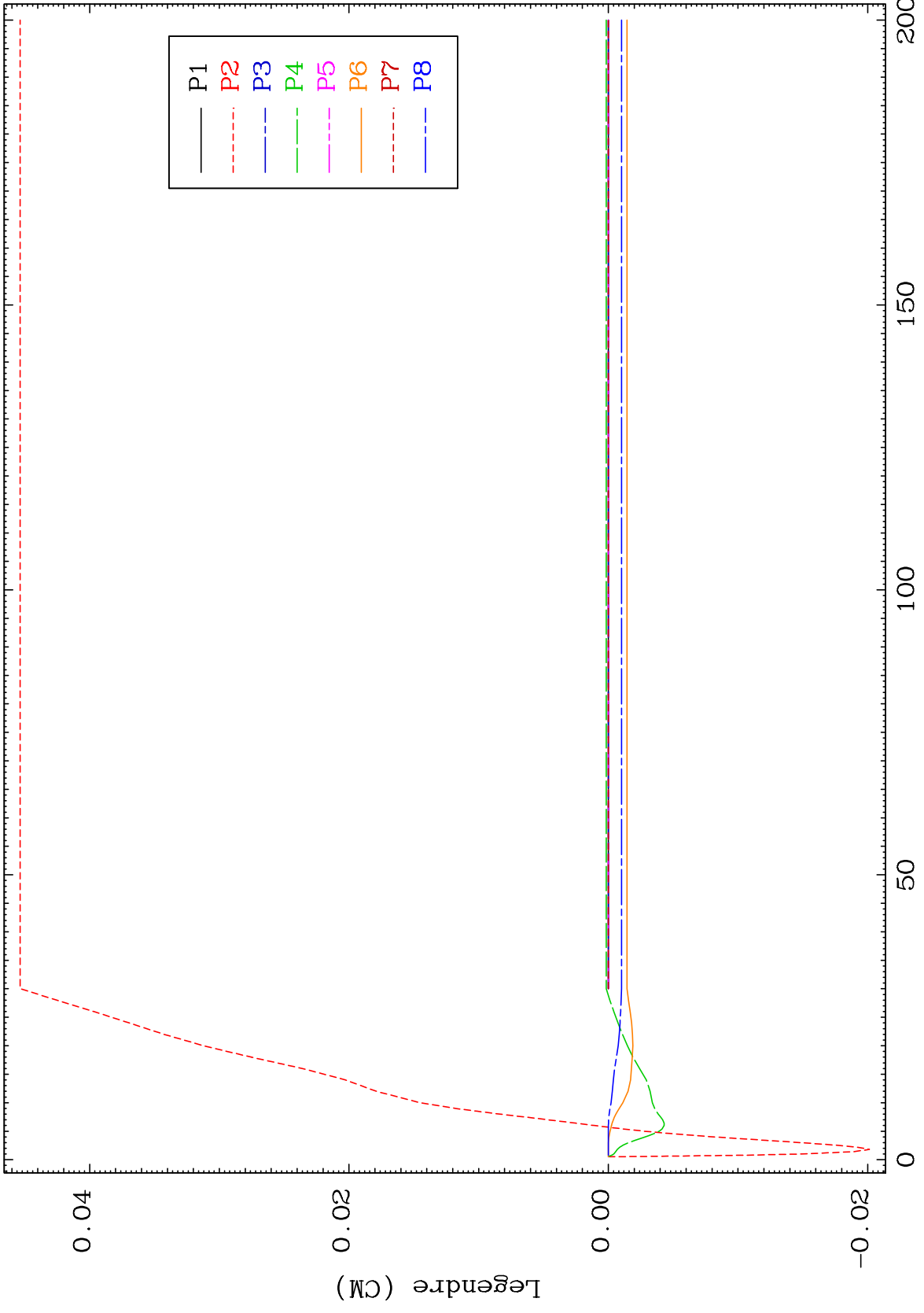
27-Co-60

MAT 2728 MT= 54 (n,n') Level Legendre Coefficients 27-Co-60



27-Co-60

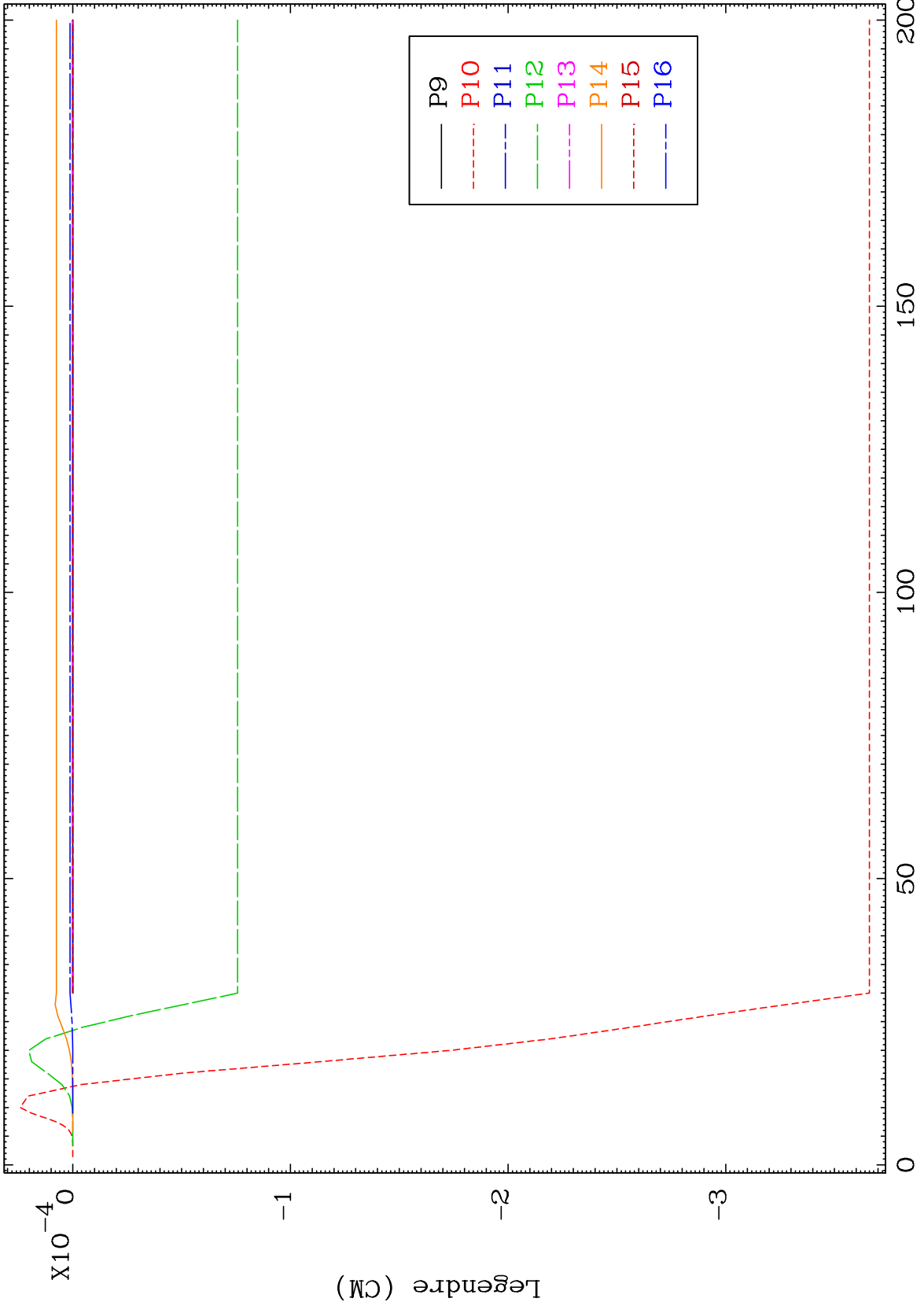
MAT 2728 MT= 55 (n,n') Level Legendre Coefficients 27-Co-60



31 27-Co-60

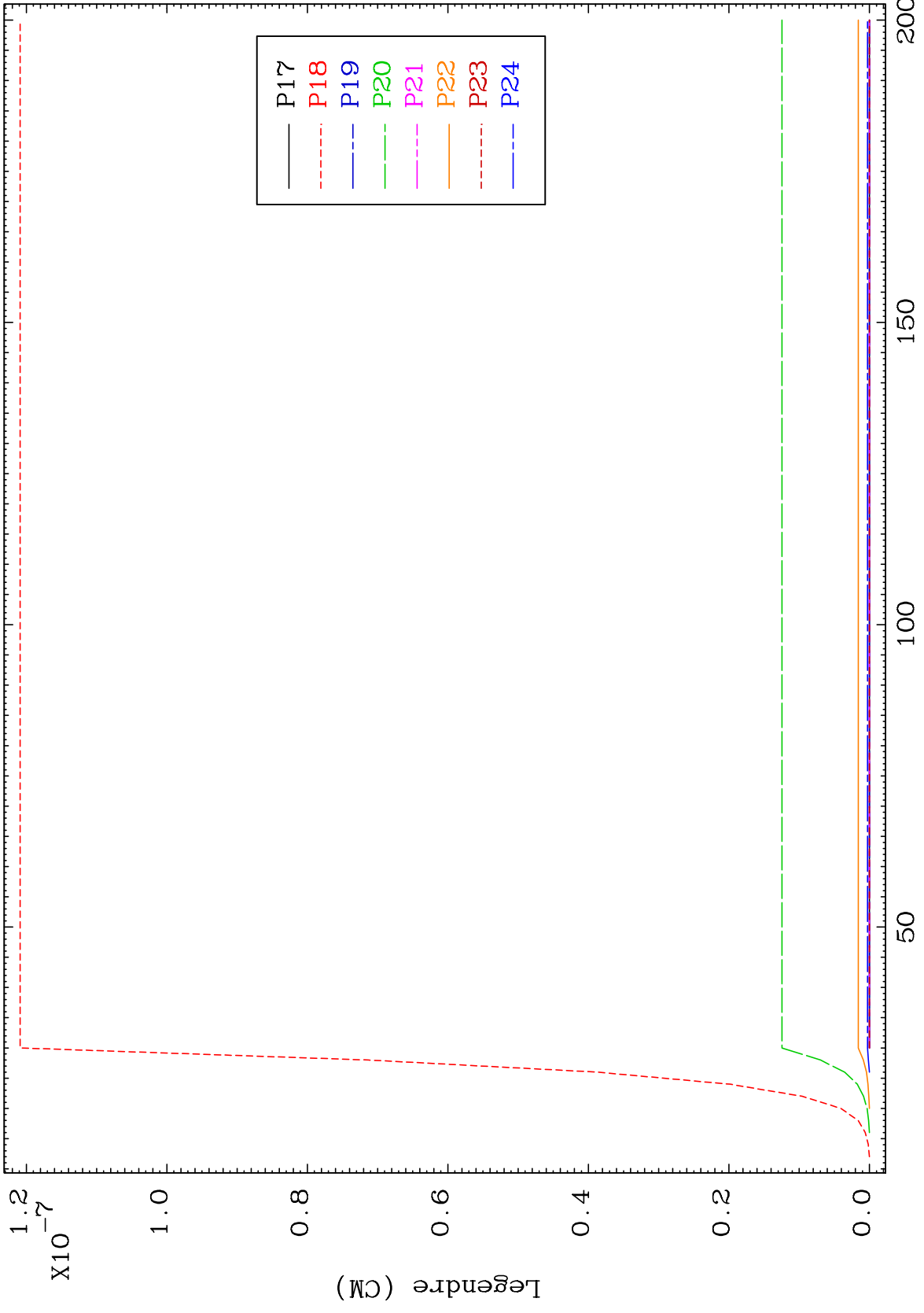


MAT 2728 MT= 55 (n,n') Level Legendre Coefficients 27-Co-60



32 27-Co-60

MAT 2728 MT= 55 (n,n') Level Legendre Coefficients 27-Co-60

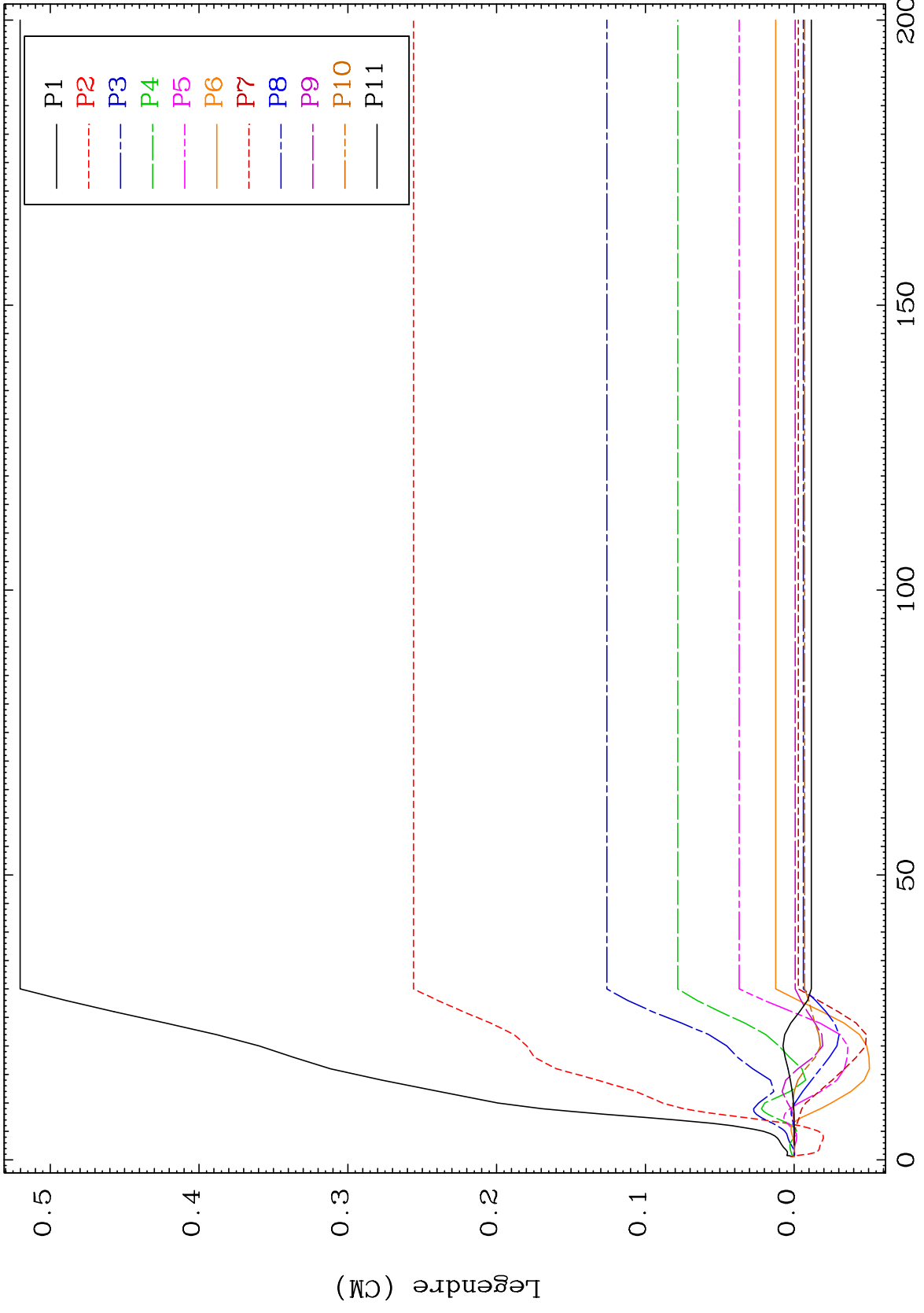


33 Incident Energy (MeV) 27-Co-60

MAT 2728

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

27-Co-60



34

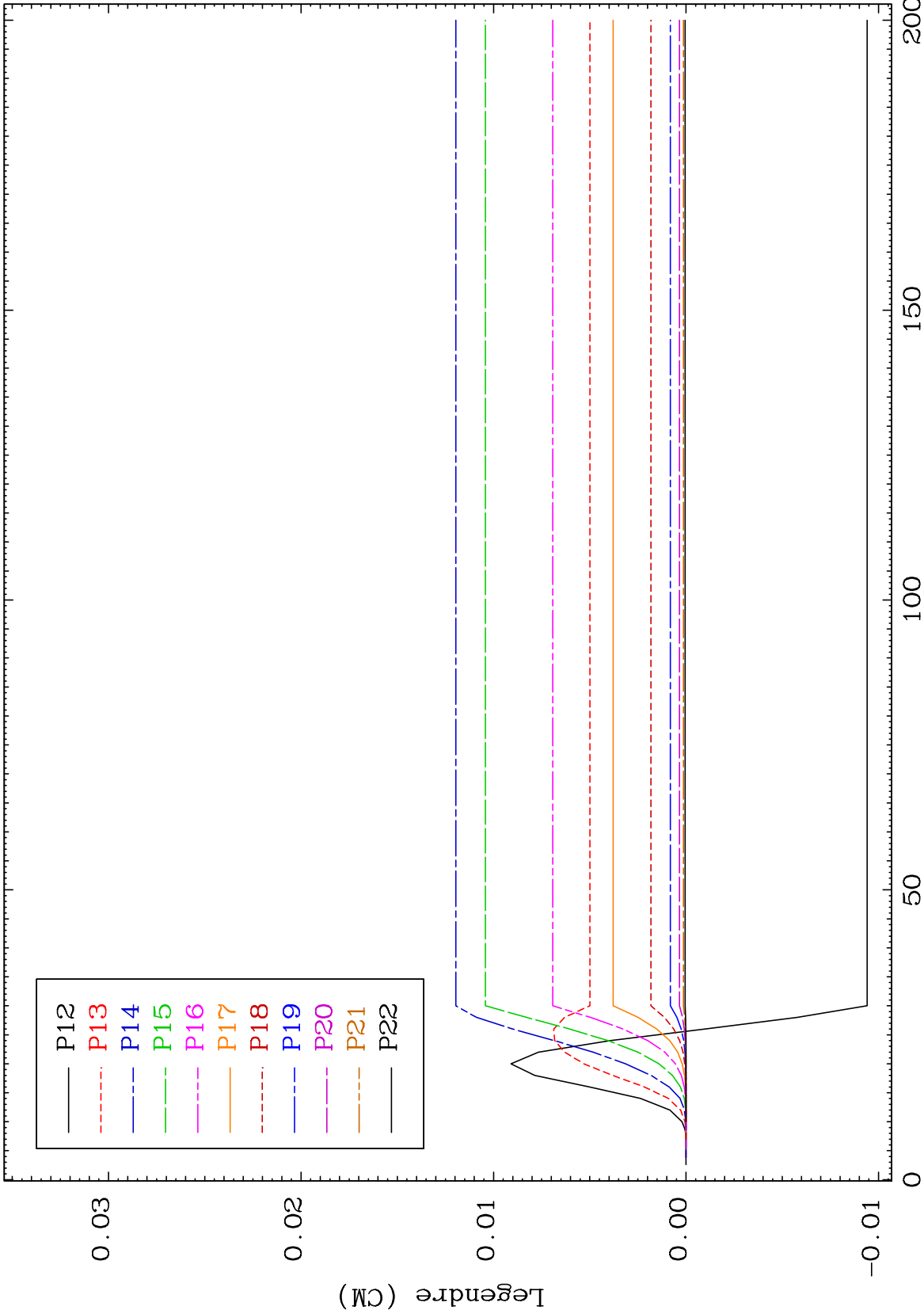
Incident Energy (MeV)

27-Co-60

MAT 2728

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

27-Co-60



35

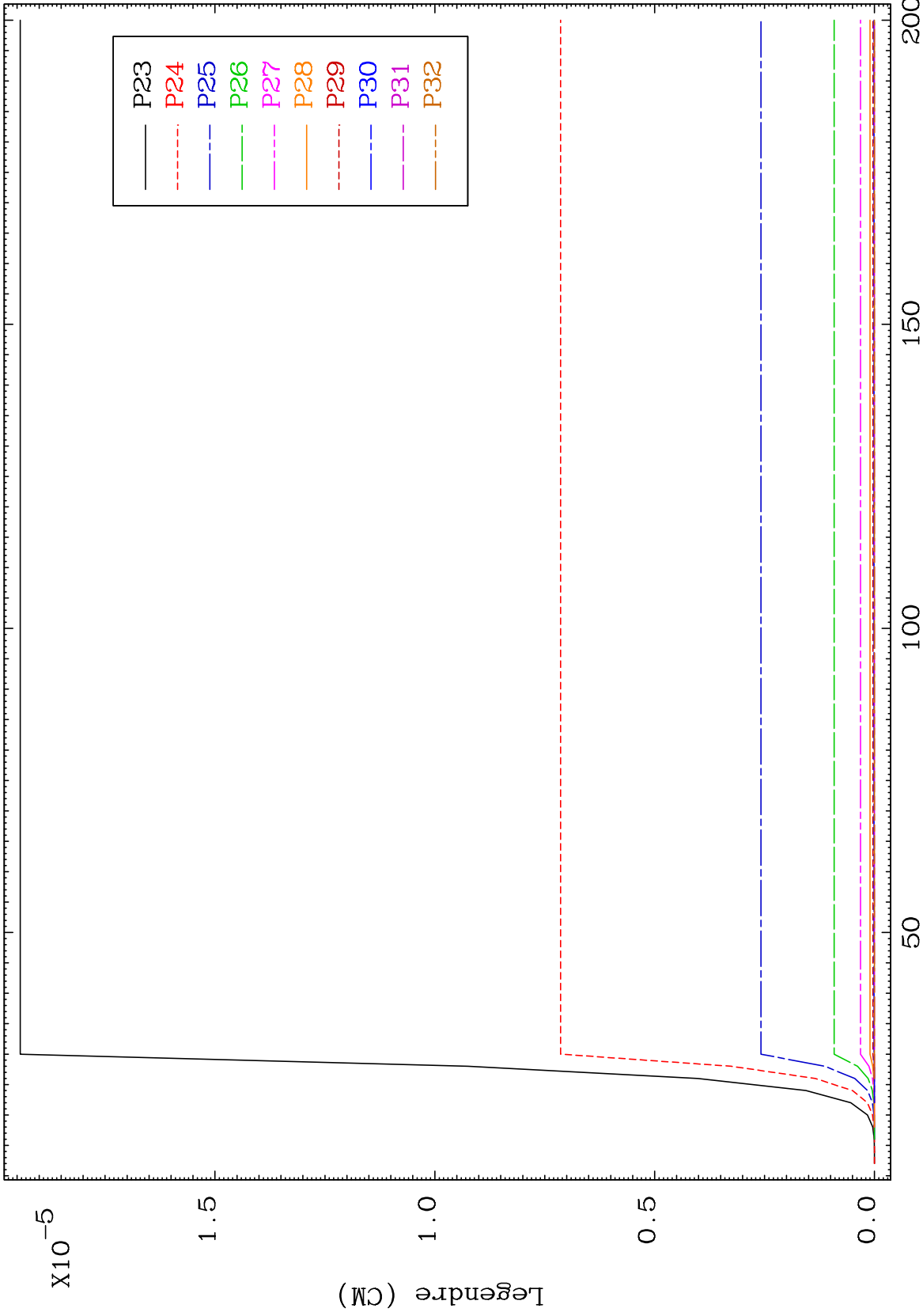
Incident Energy (MeV)

27-Co-60

MAT 2728

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

27-Co-60

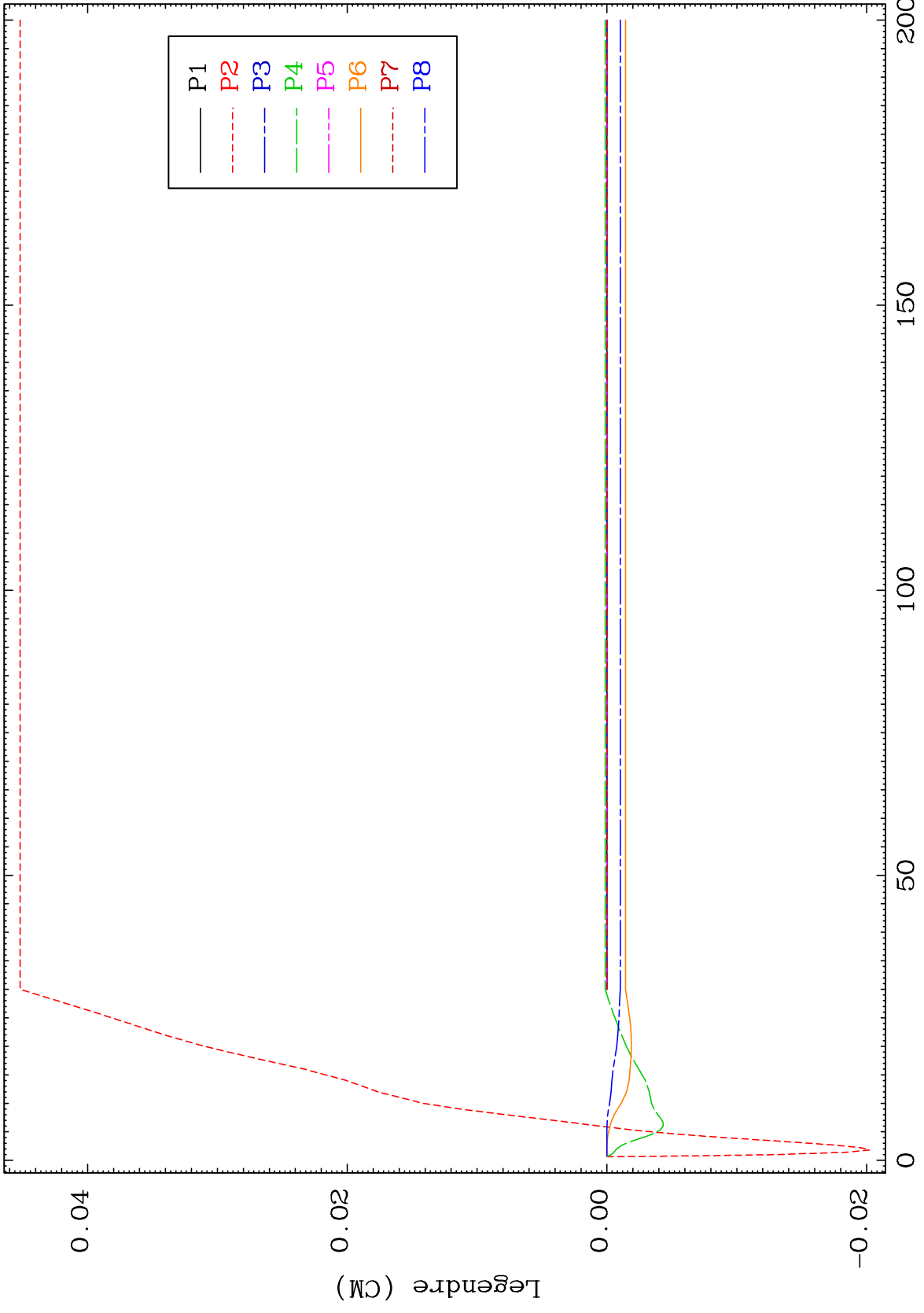


36

Incident Energy (MeV)

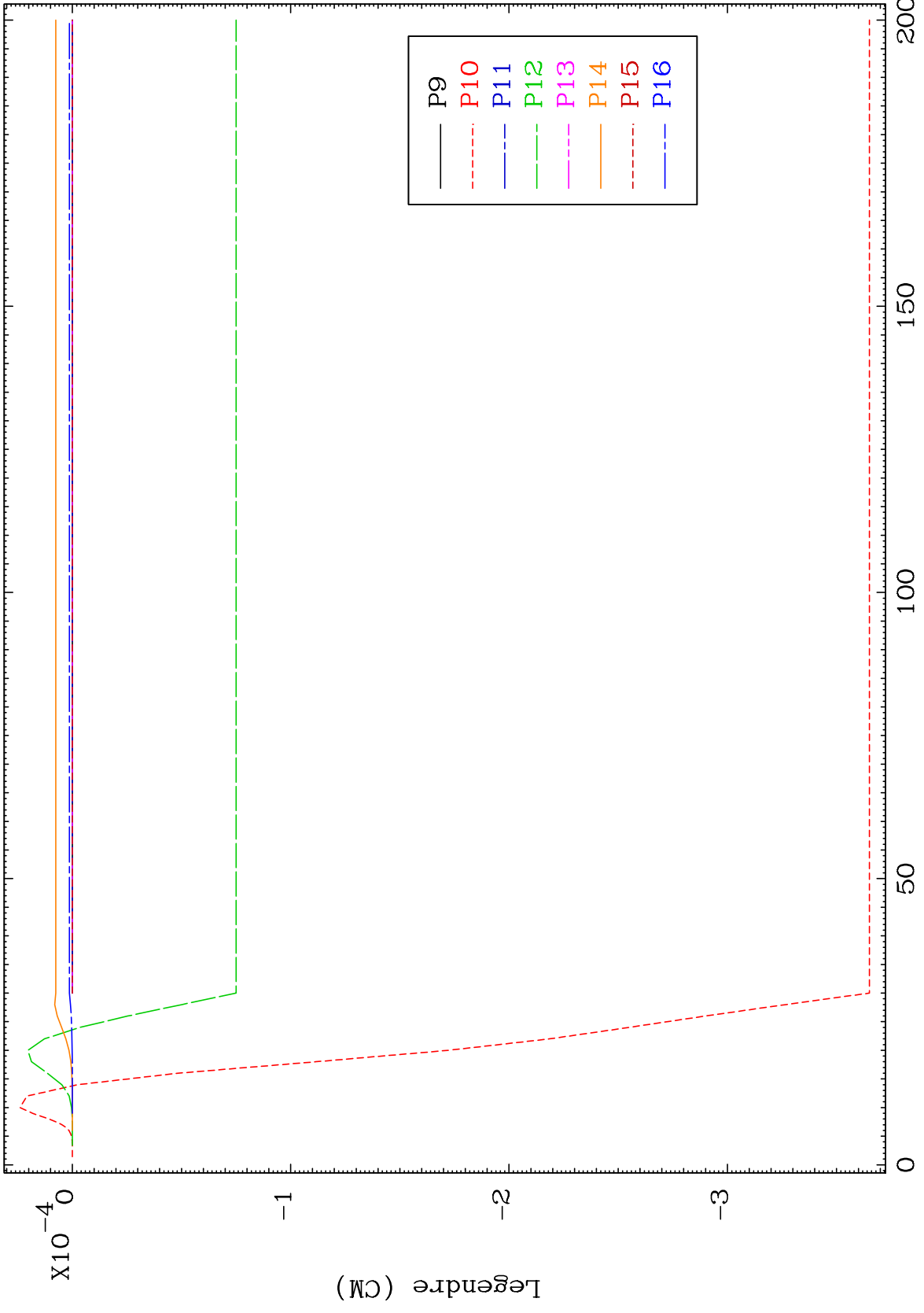
27-Co-60

MAT 2728 MT= 57 (n,n') Level Legendre Coefficients 27-Co-60



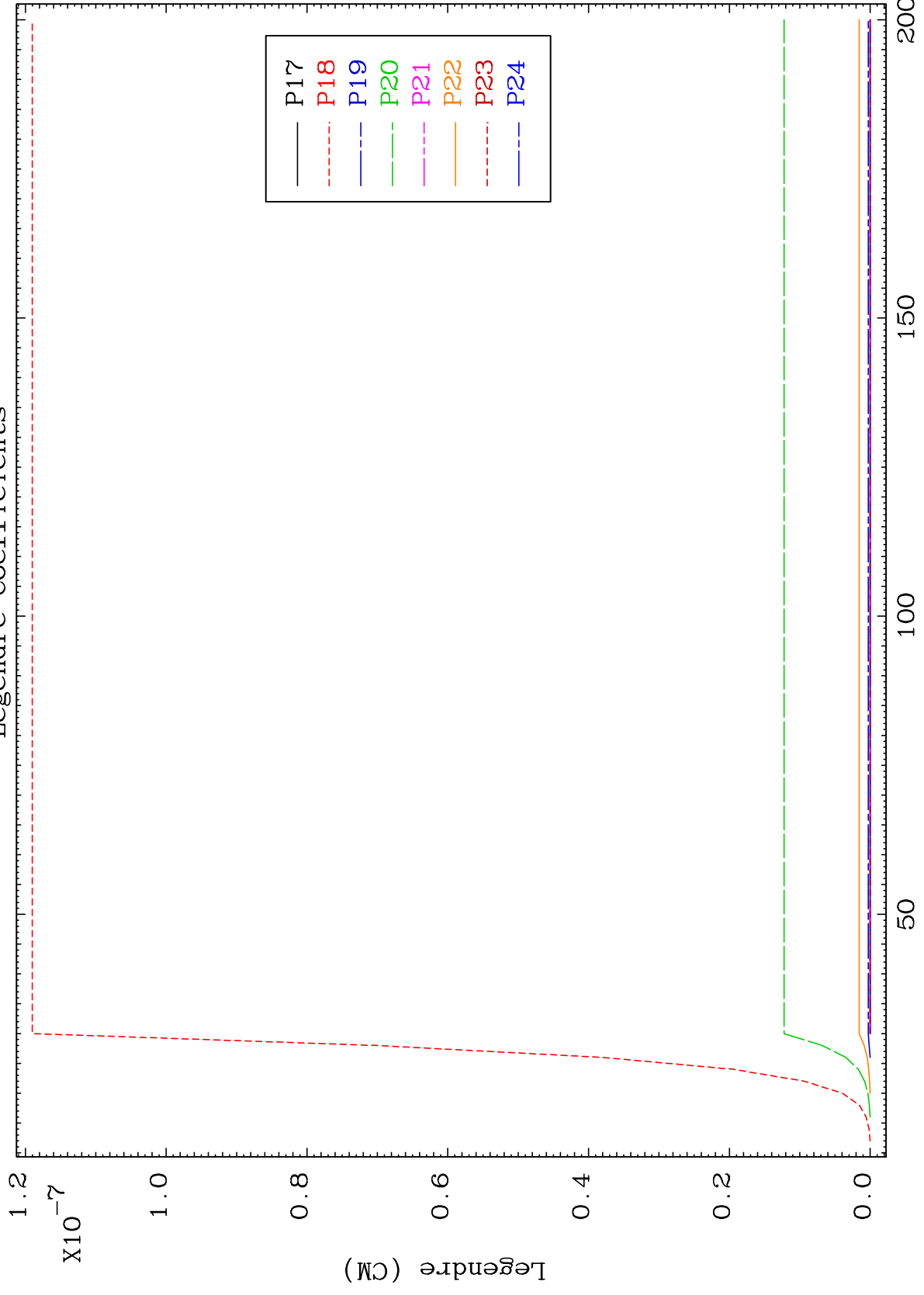
37 Incident Energy (MeV) 27-Co-60

MAT 2728 MT= 57 (n,n') Level Legendre Coefficients 27-Co-60



38 27-Co-60

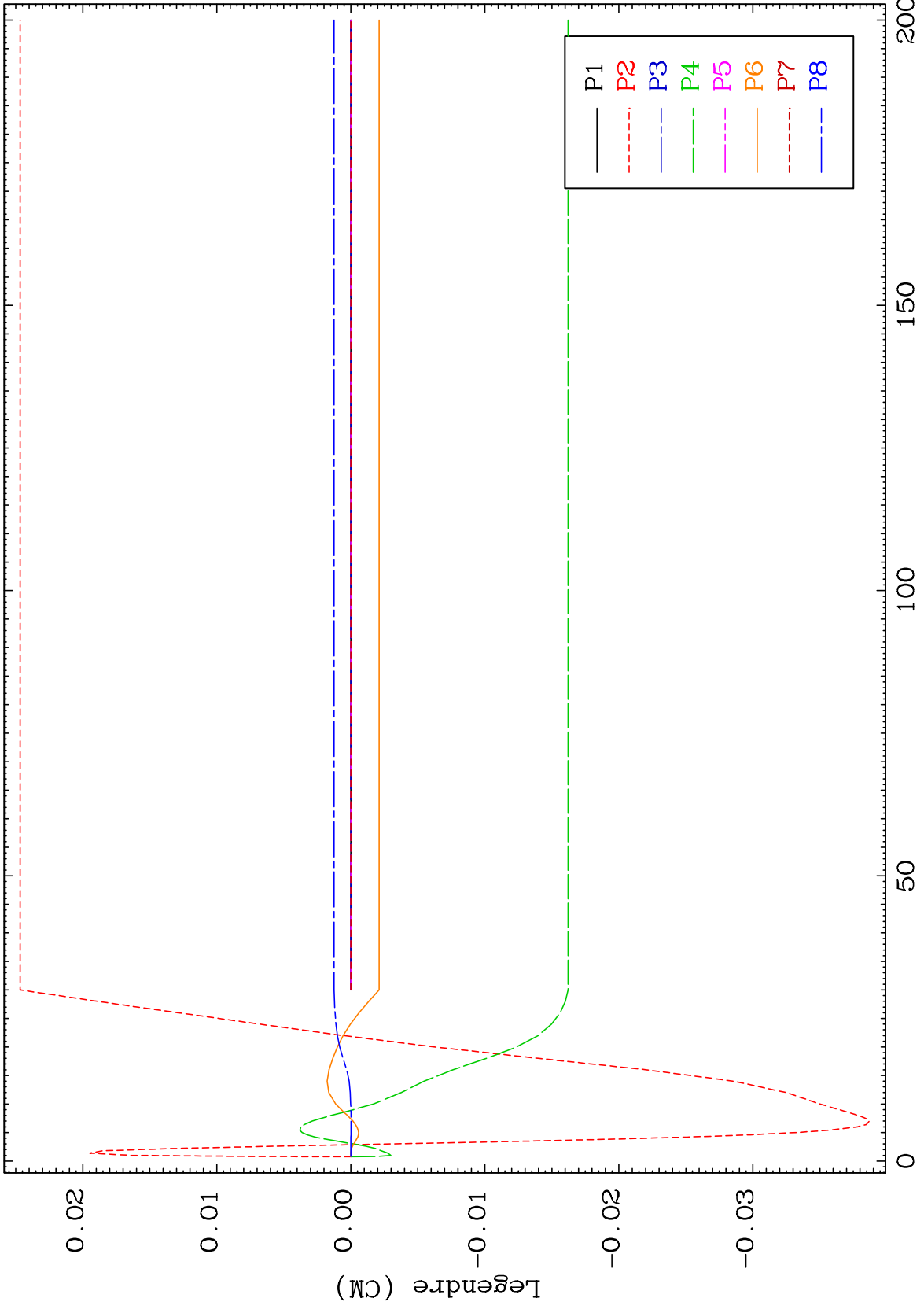
MAT 2728 MT= 57 (n,n') Level Legendre Coefficients 27-Co-60



39 Incident Energy (MeV) 27-Co-60

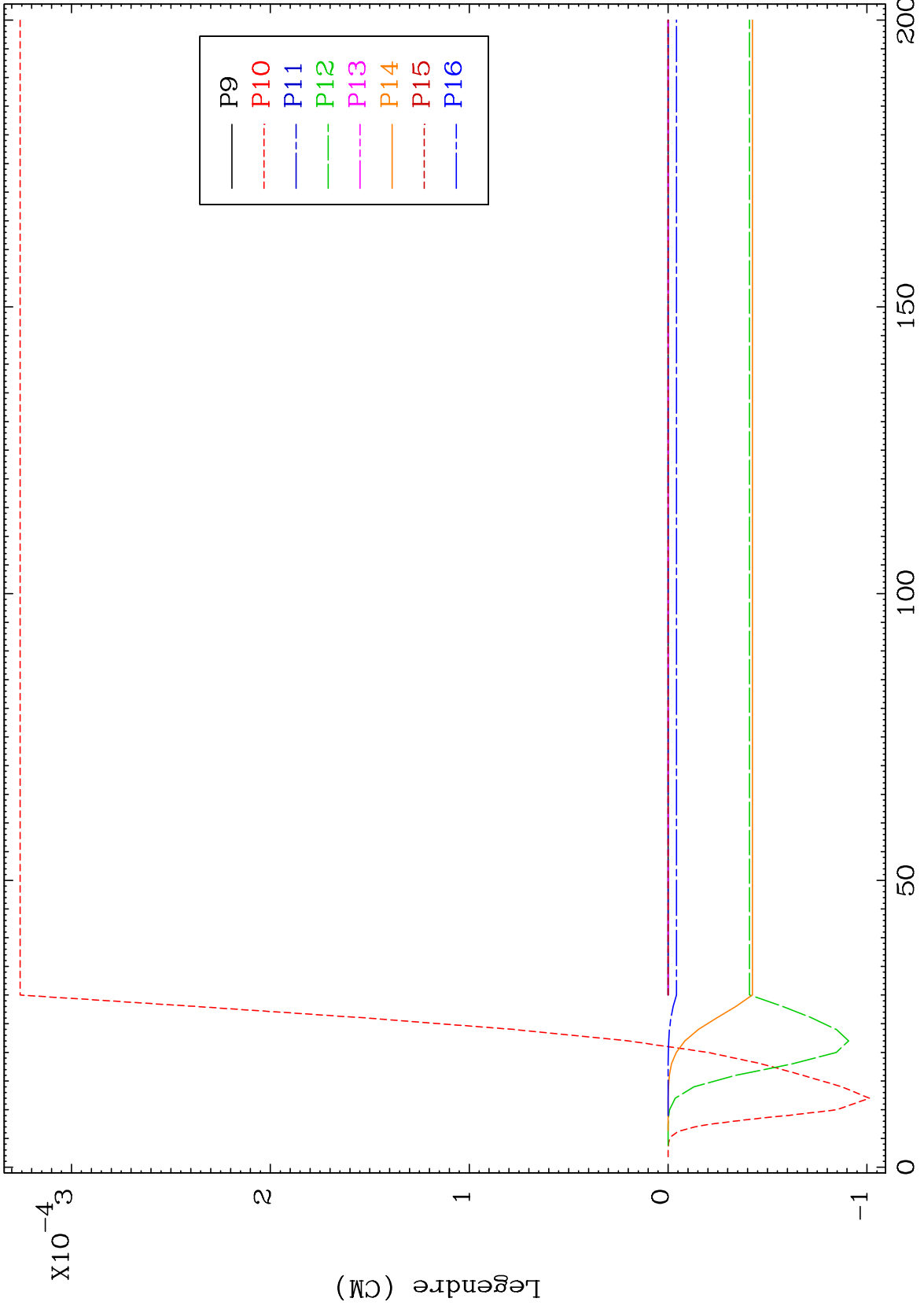


MAT 2728 MT= 58 (n,n') Level Legendre Coefficients 27-Co-60



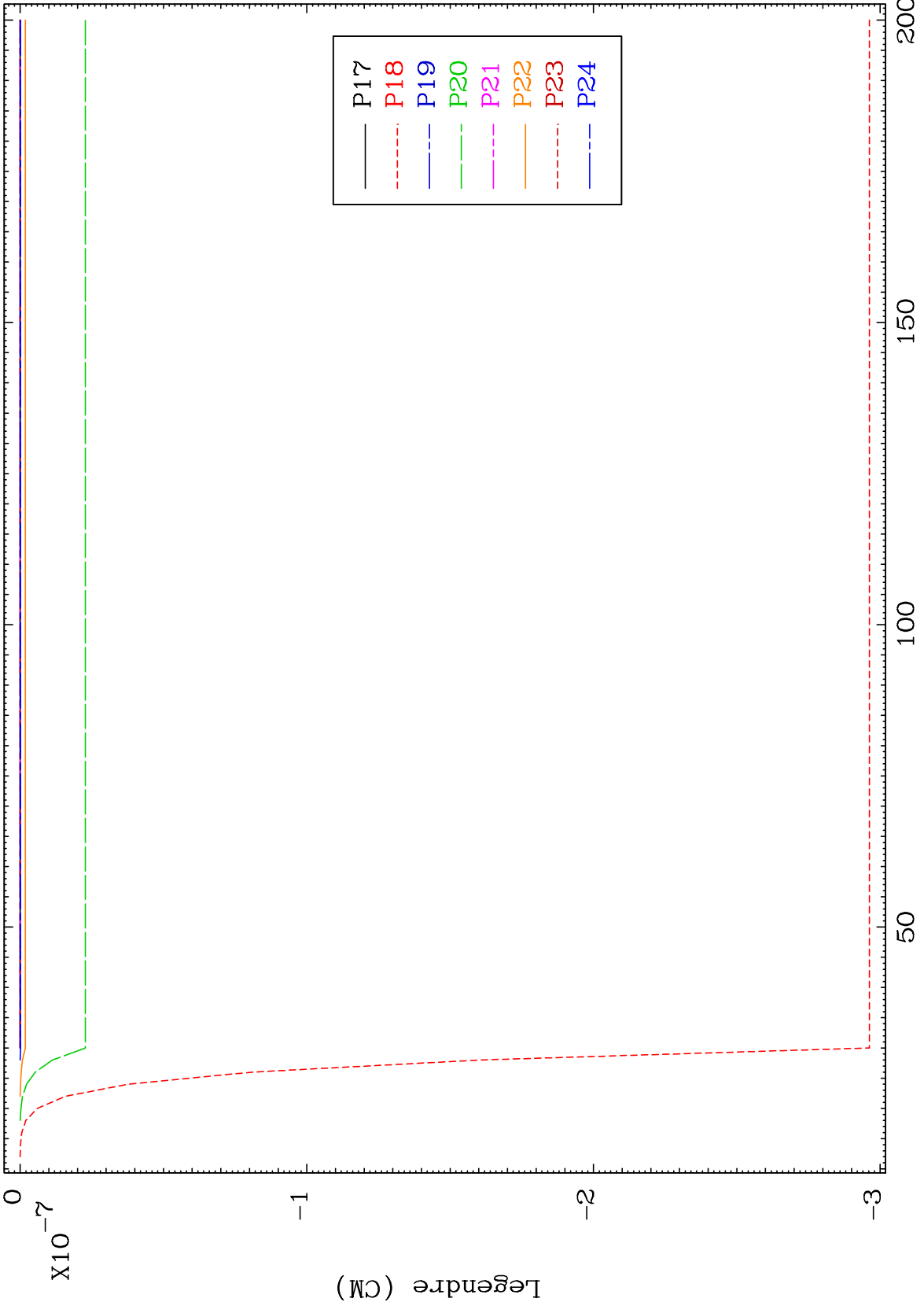
27-Co-60 Incident Energy (MeV)

MAT 2728 MT= 58 (n,n') Level Legendre Coefficients 27-Co-60



41 27-Co-60

MAT 2728 MT= 58 (n,n') Level Legendre Coefficients 27-Co-60

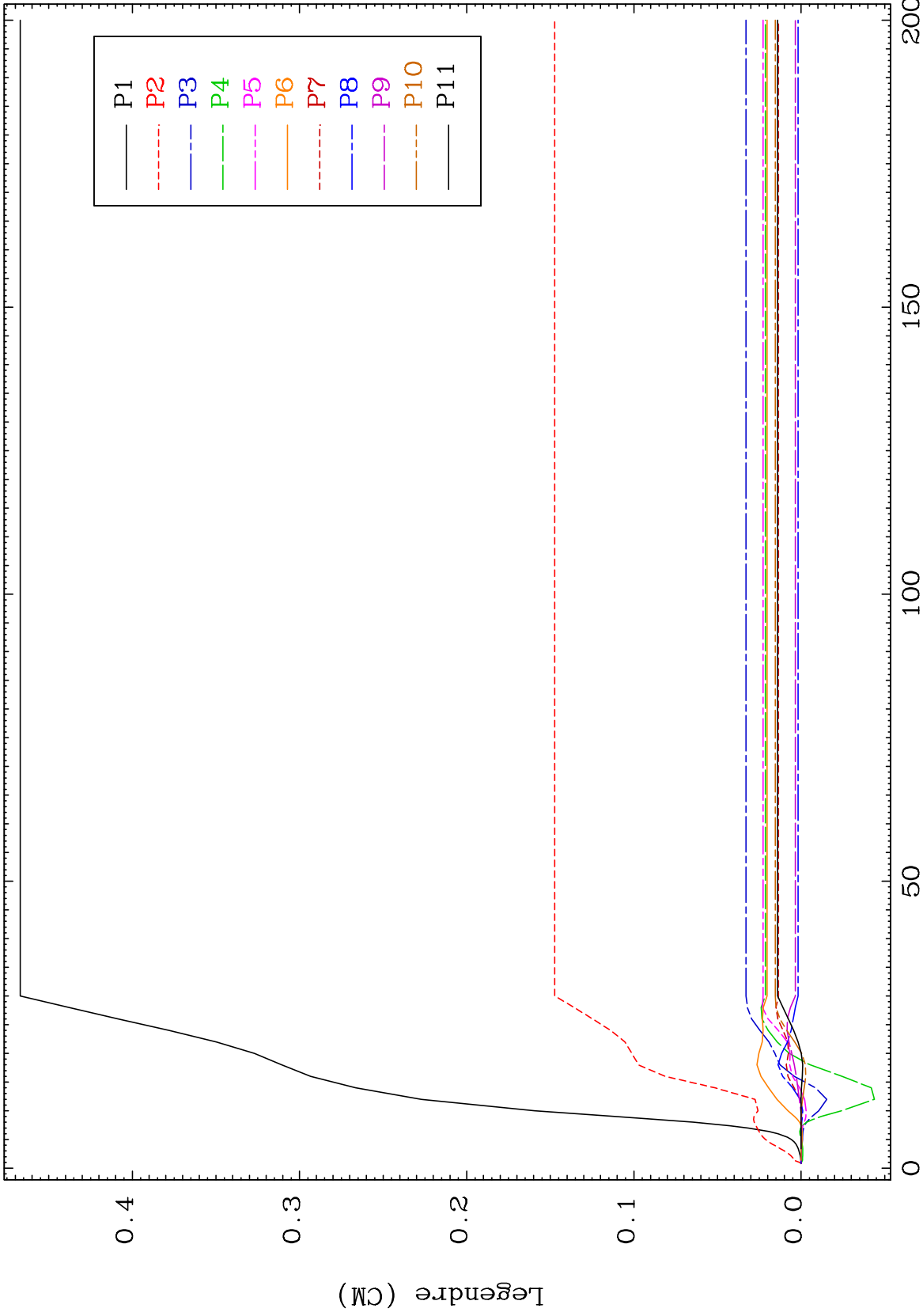


42 Incident Energy (MeV) 200 27-Co-60

MAT 2728

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

27-Co-60



43

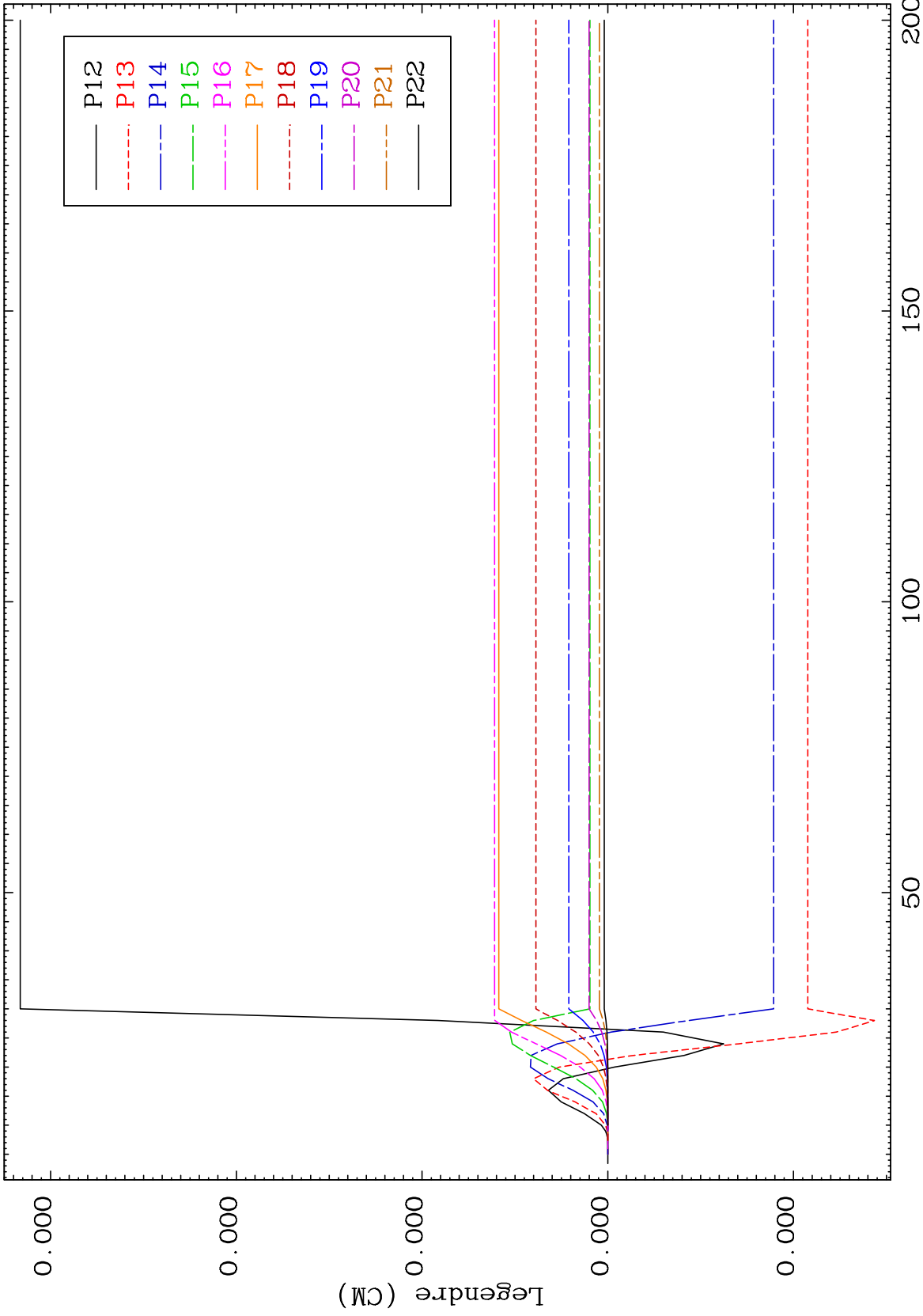
Incident Energy (MeV)

27-Co-60

MAT 2728

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

27-Co-60



44

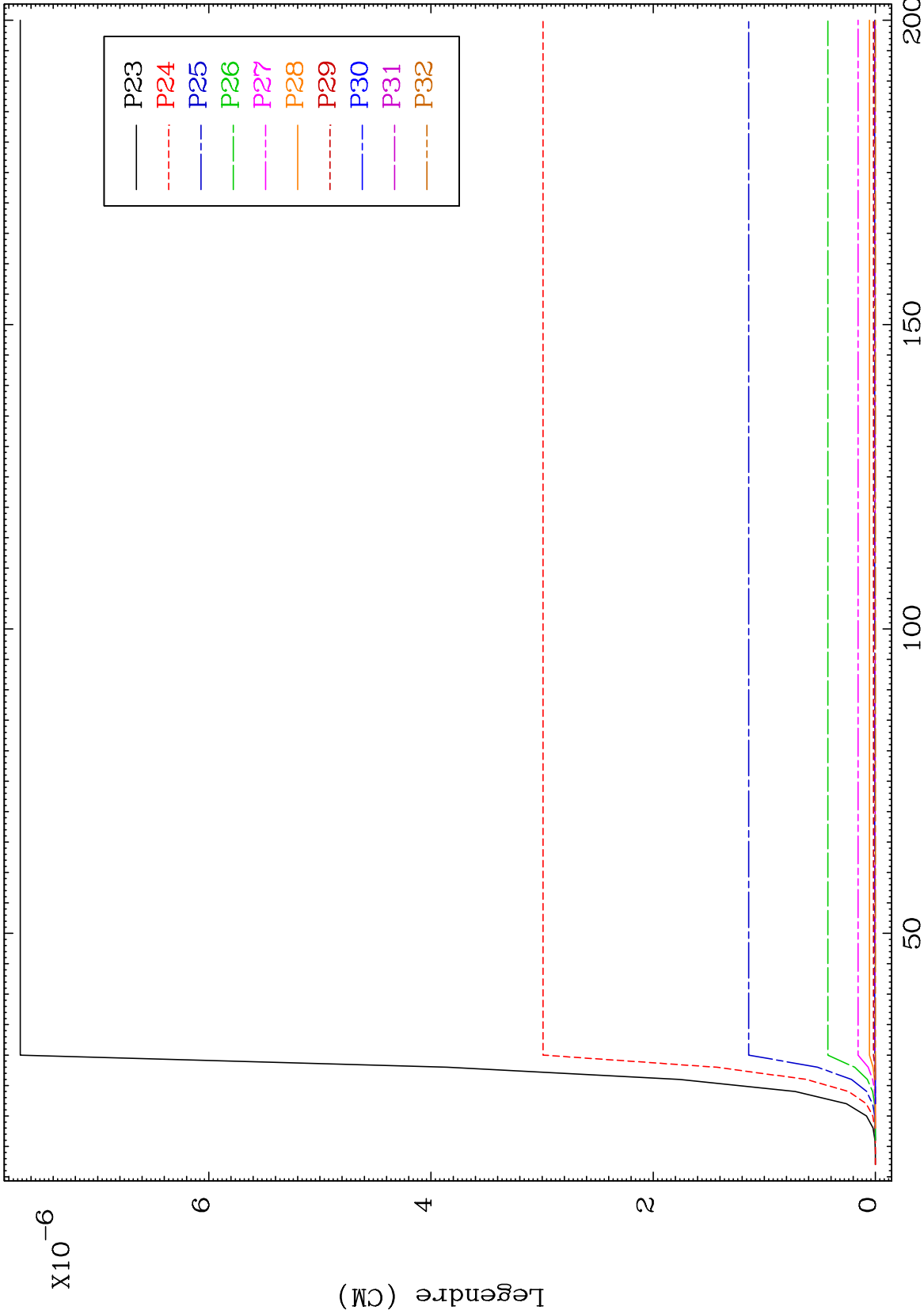
Incident Energy (MeV)

27-Co-60

MAT 2728

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

27-Co-60

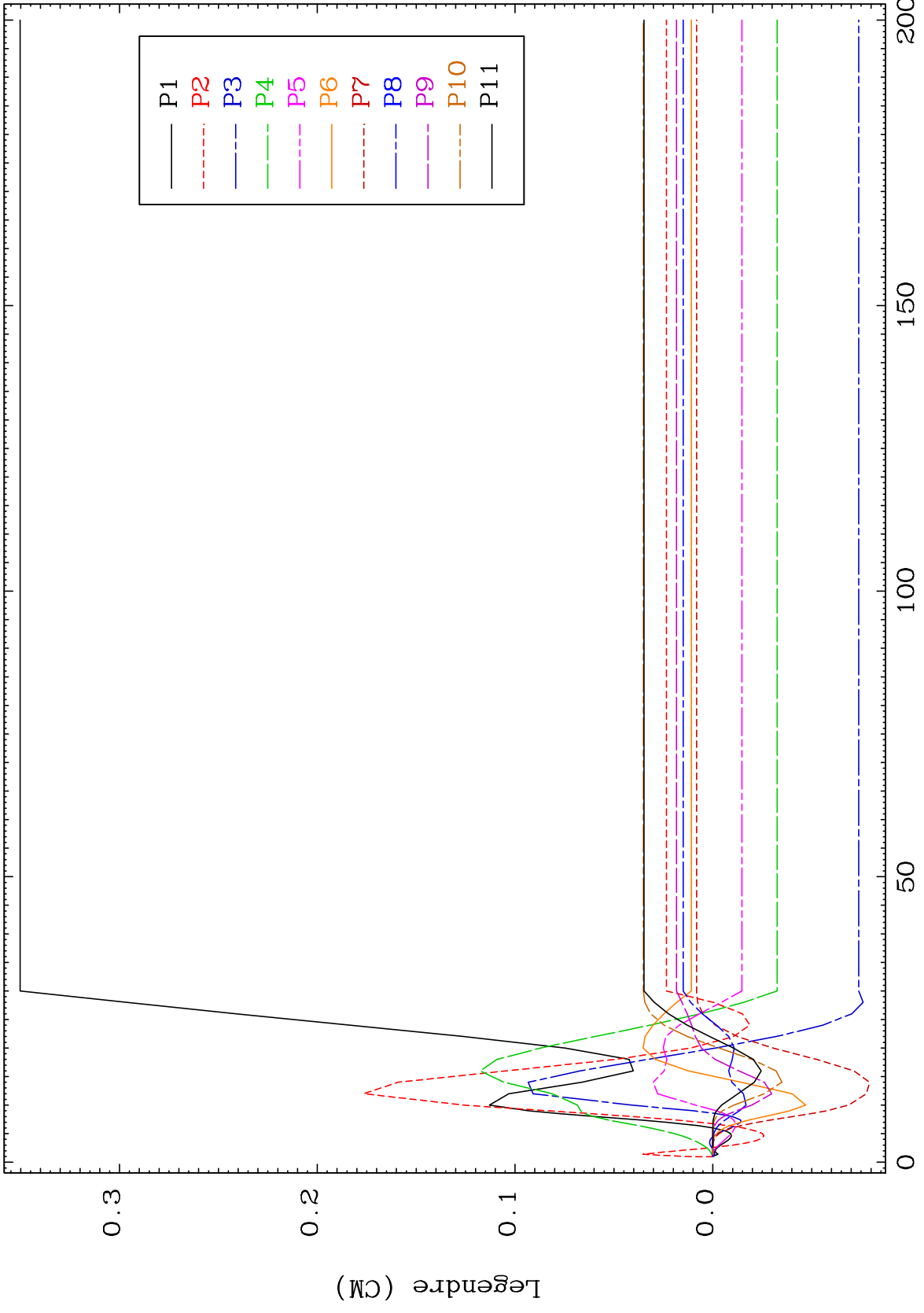


45

Incident Energy (MeV)

27-Co-60

MAT 2728 MT= 60 (n,n') Level Legendre Coefficients 27-Co-60

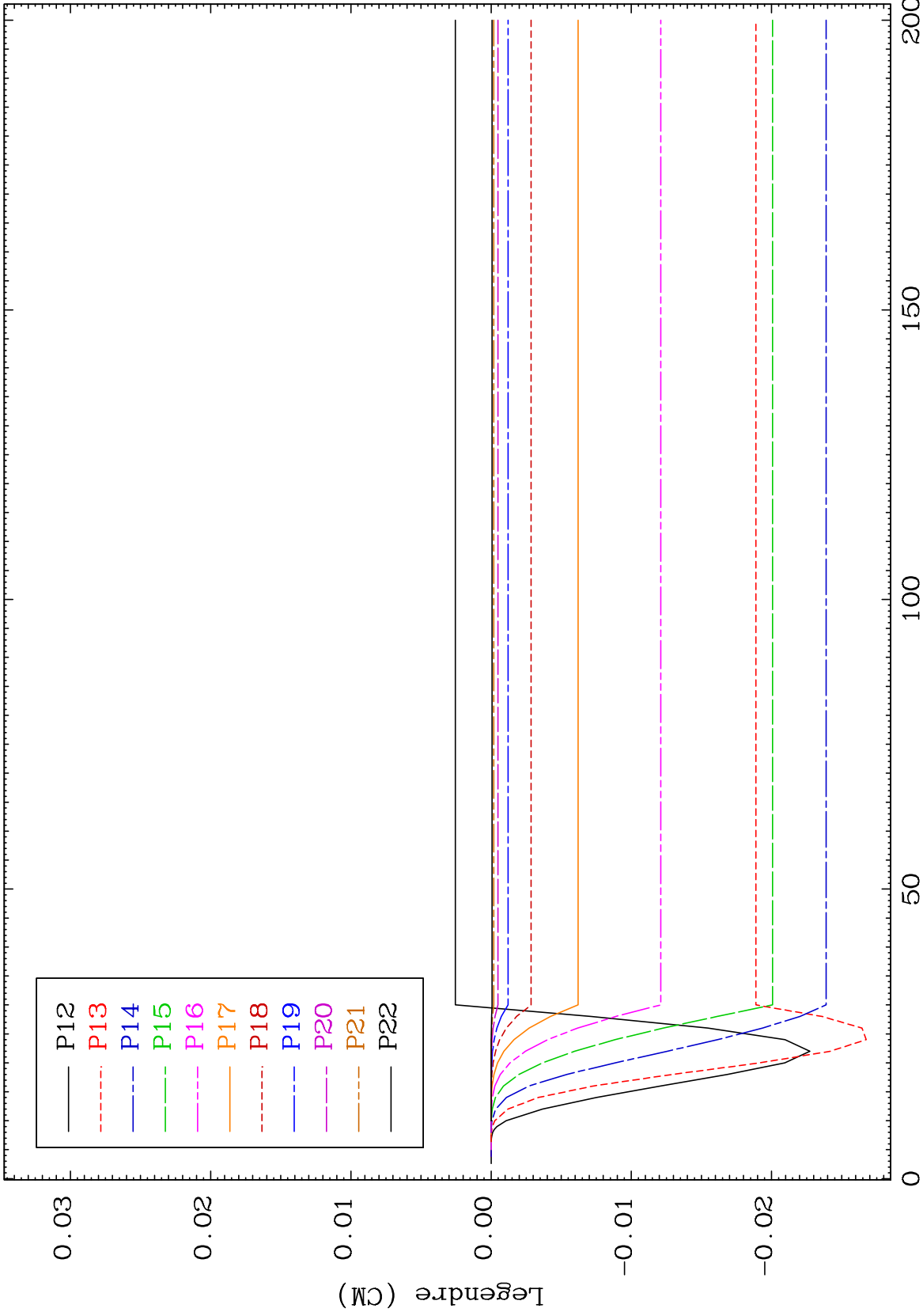


46 27-Co-60

MAT 2728

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

27-Co-60



47

Incident Energy (MeV)

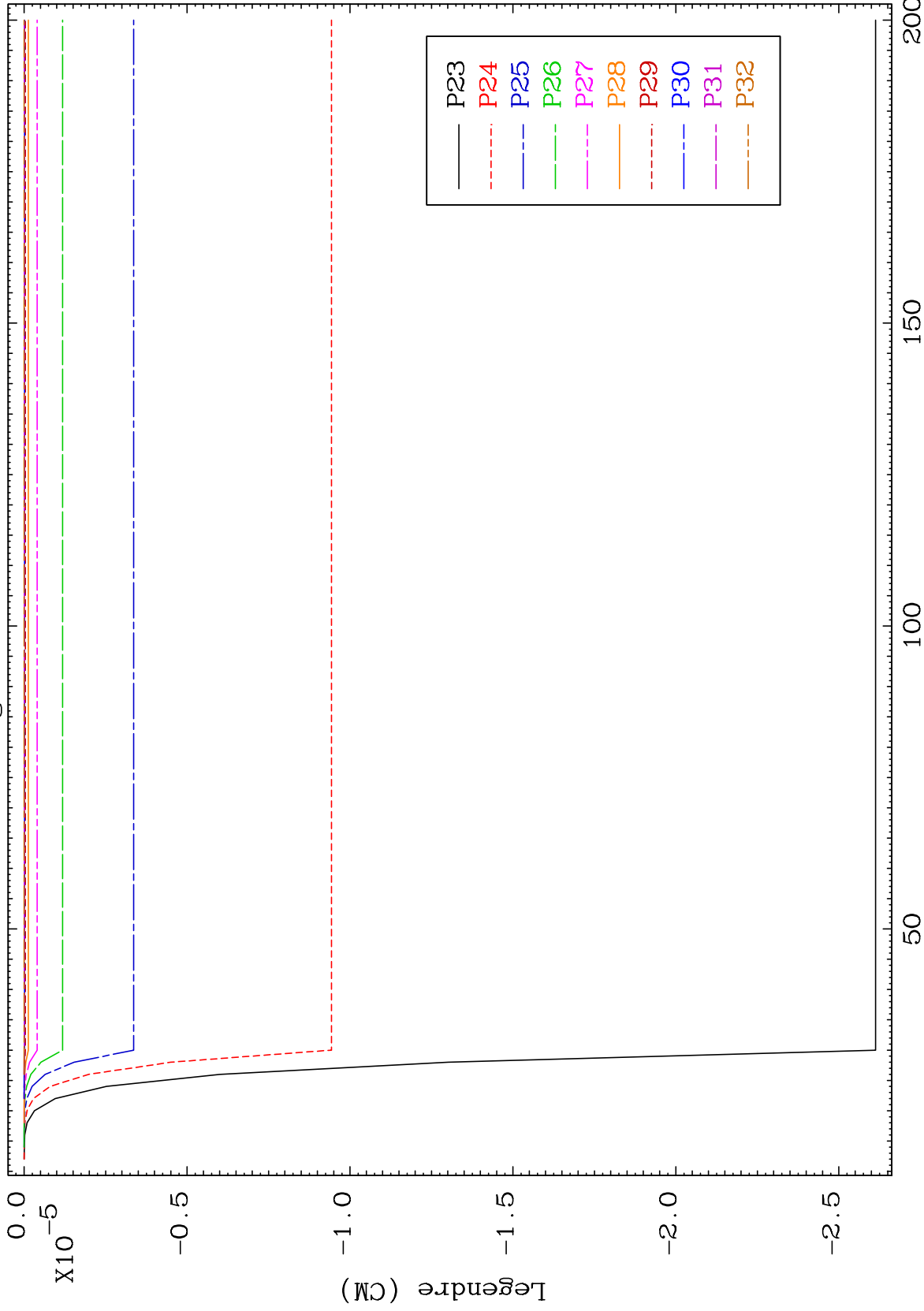
27-Co-60



MAT 2728

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

27-Co-60



48

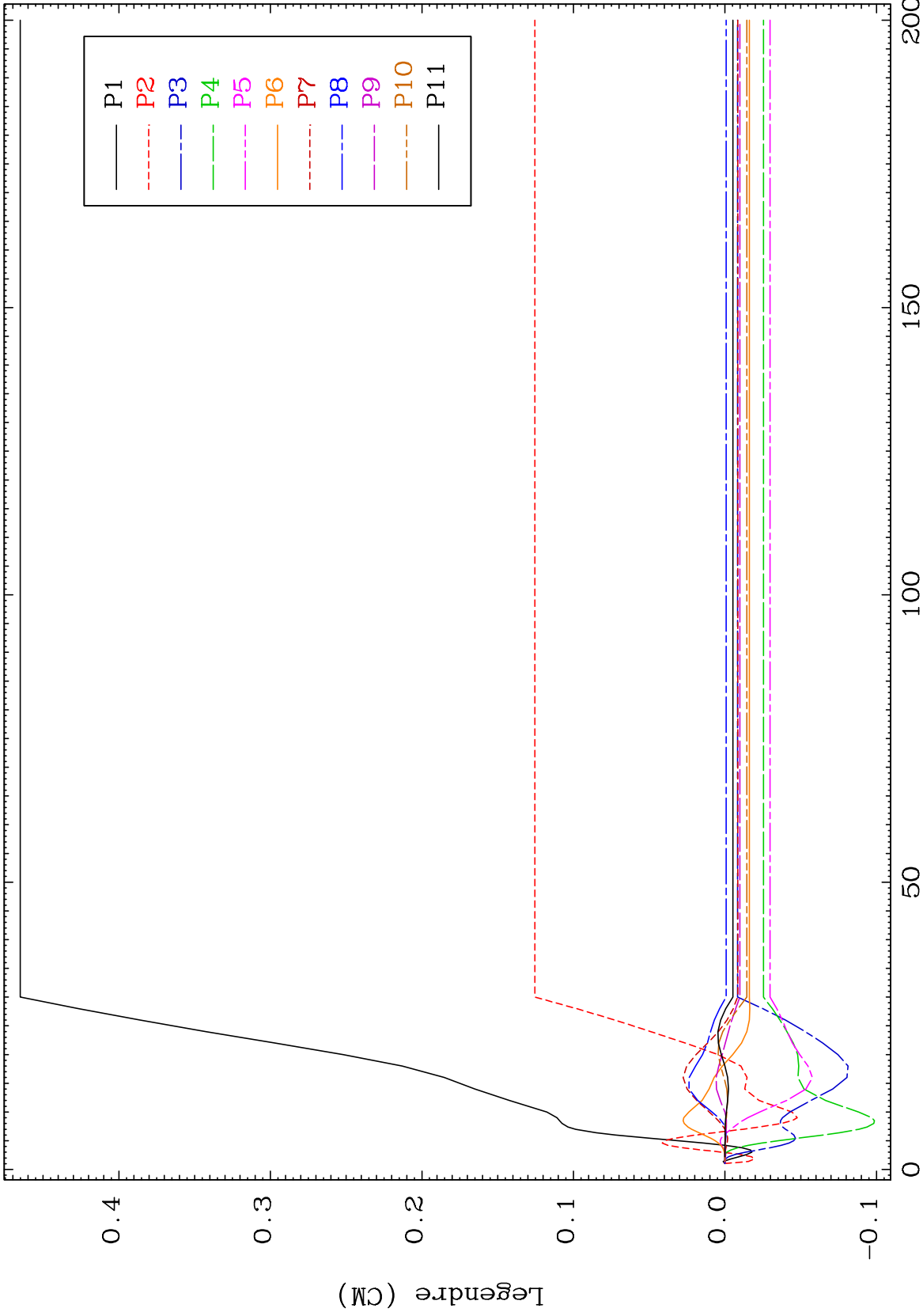
27-Co-60

200

MAT 2728

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

27-Co-60



49

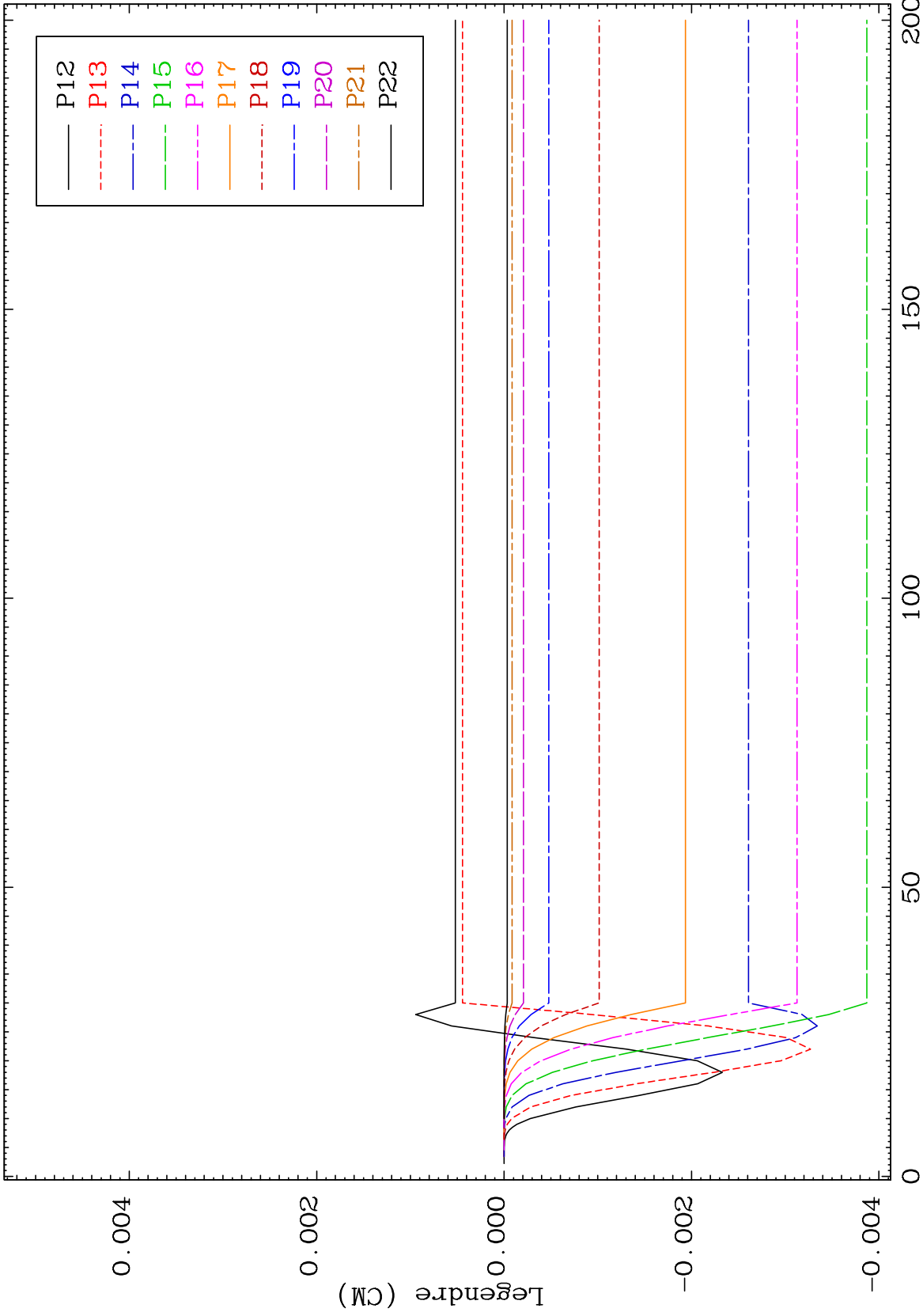
Incident Energy (MeV)

27-Co-60

MAT 2728

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

27-Co-60



50

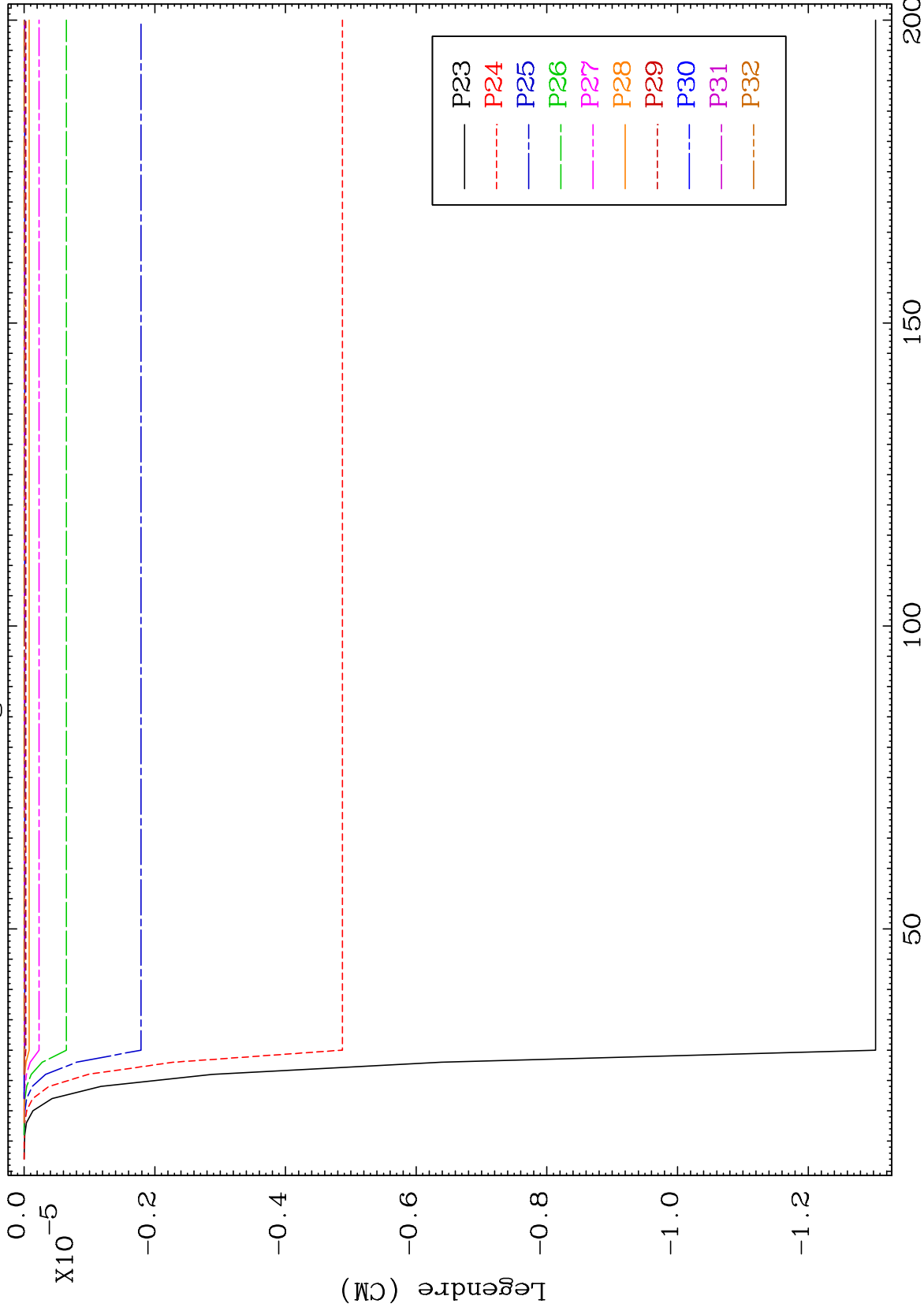
Incident Energy (MeV)

27-Co-60

MAT 2728

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

27-Co-60



27-Co-60

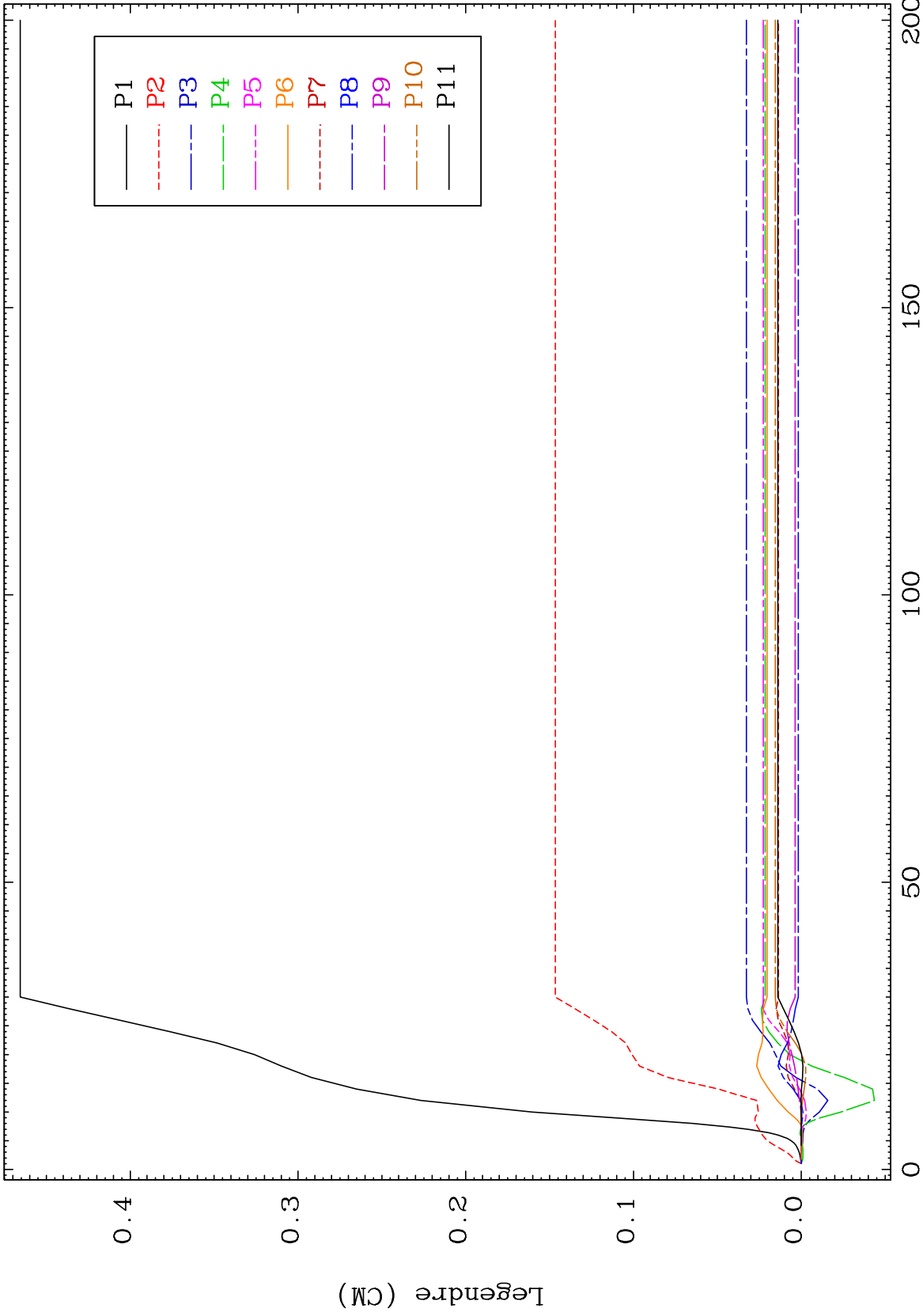
Incident Energy (MeV)

51

MAT 2728

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

27-Co-60

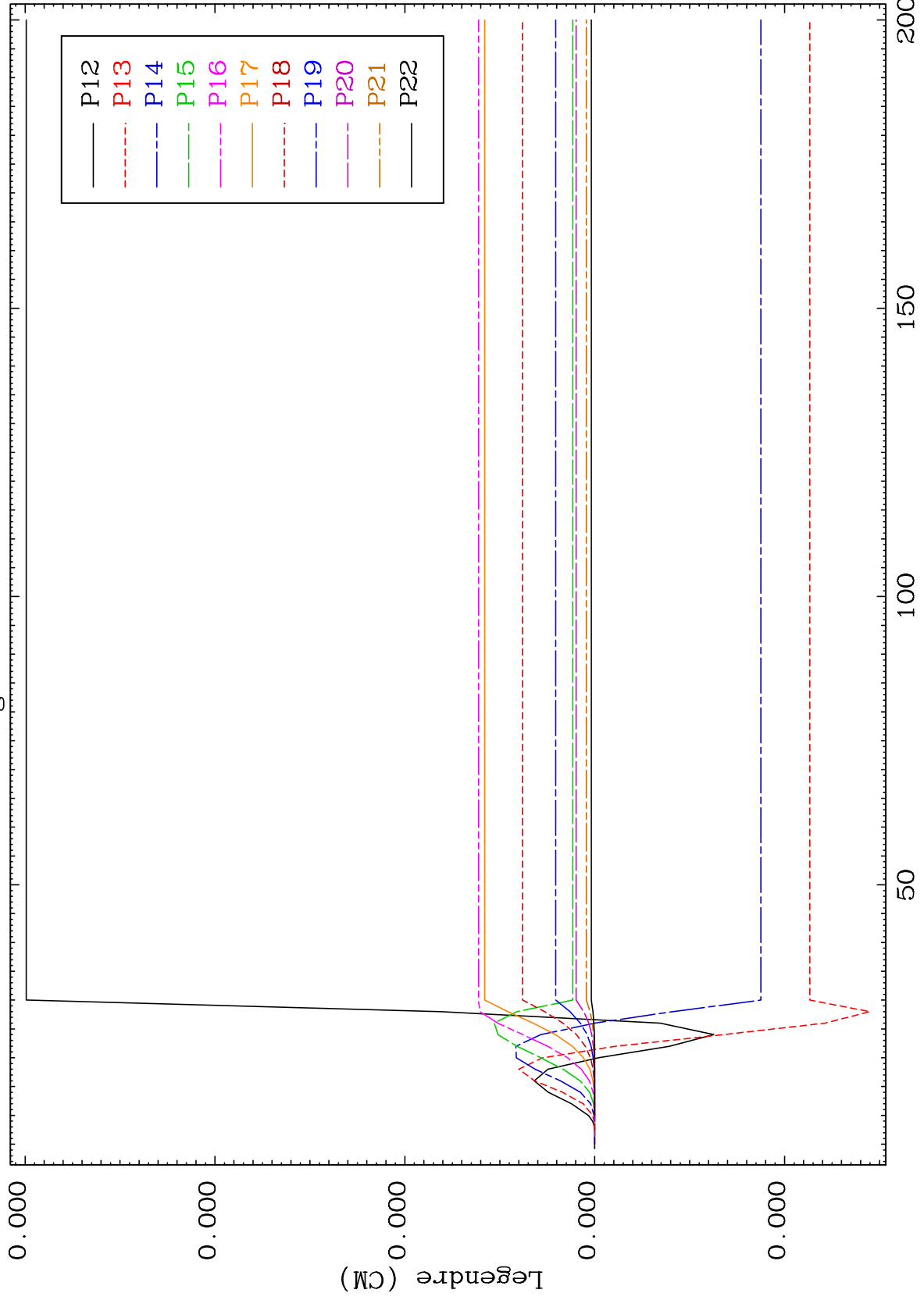


52

Incident Energy (MeV)

27-Co-60

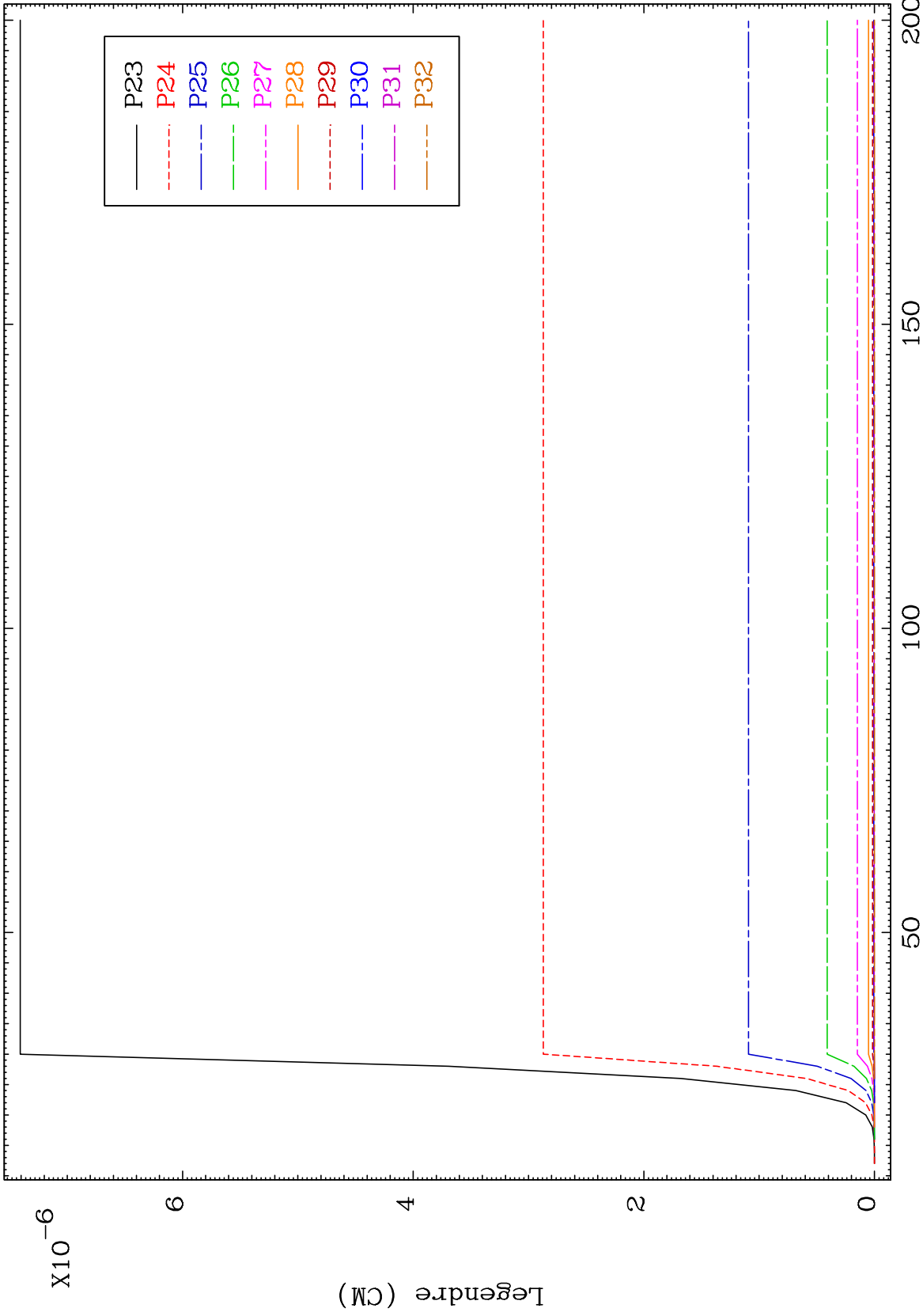
MAT 2728 MT= 62 (n,n') Level Legendre Coefficients 27-Co-60



MAT 2728

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

27-Co-60

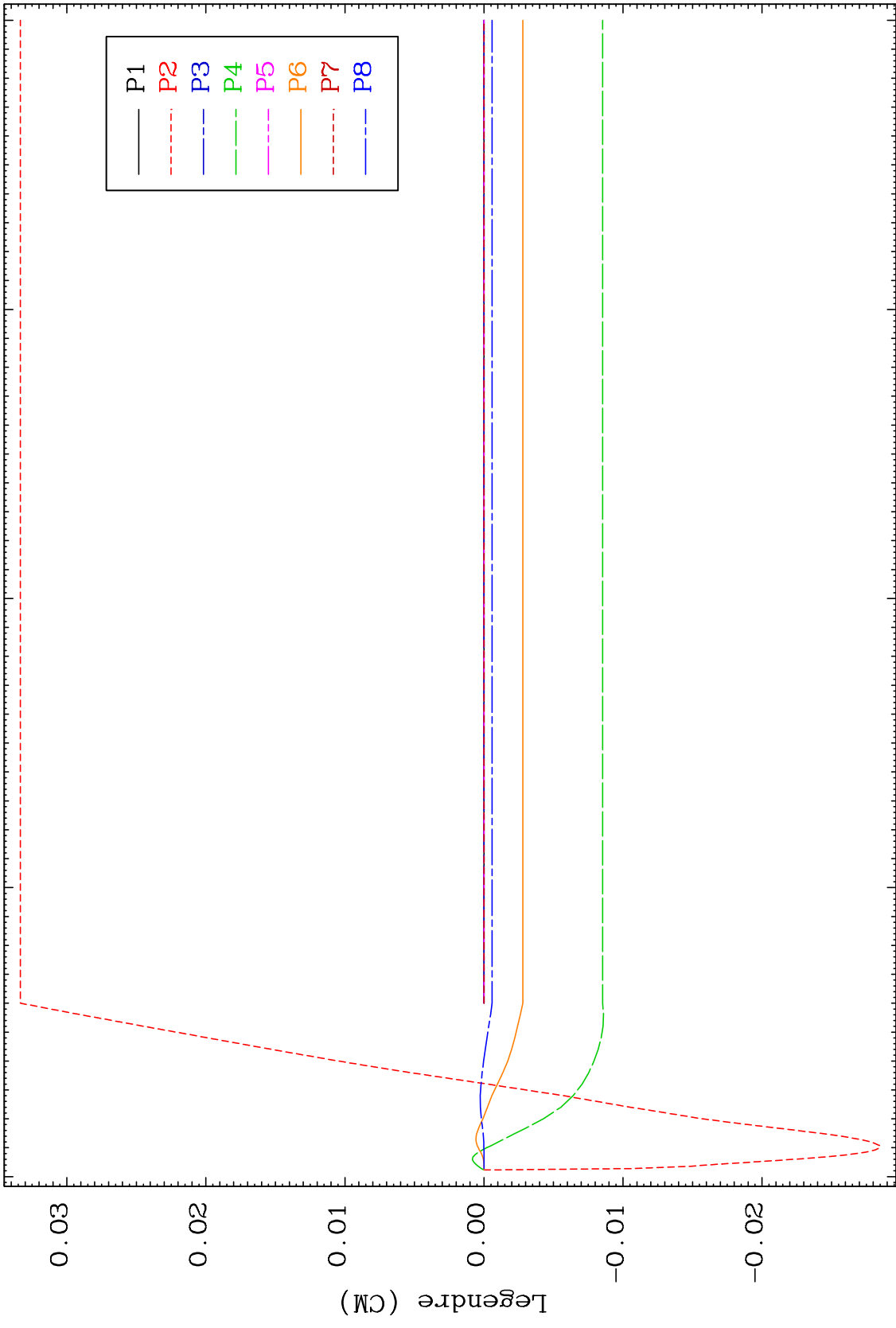


54

Incident Energy (MeV)

27-Co-60

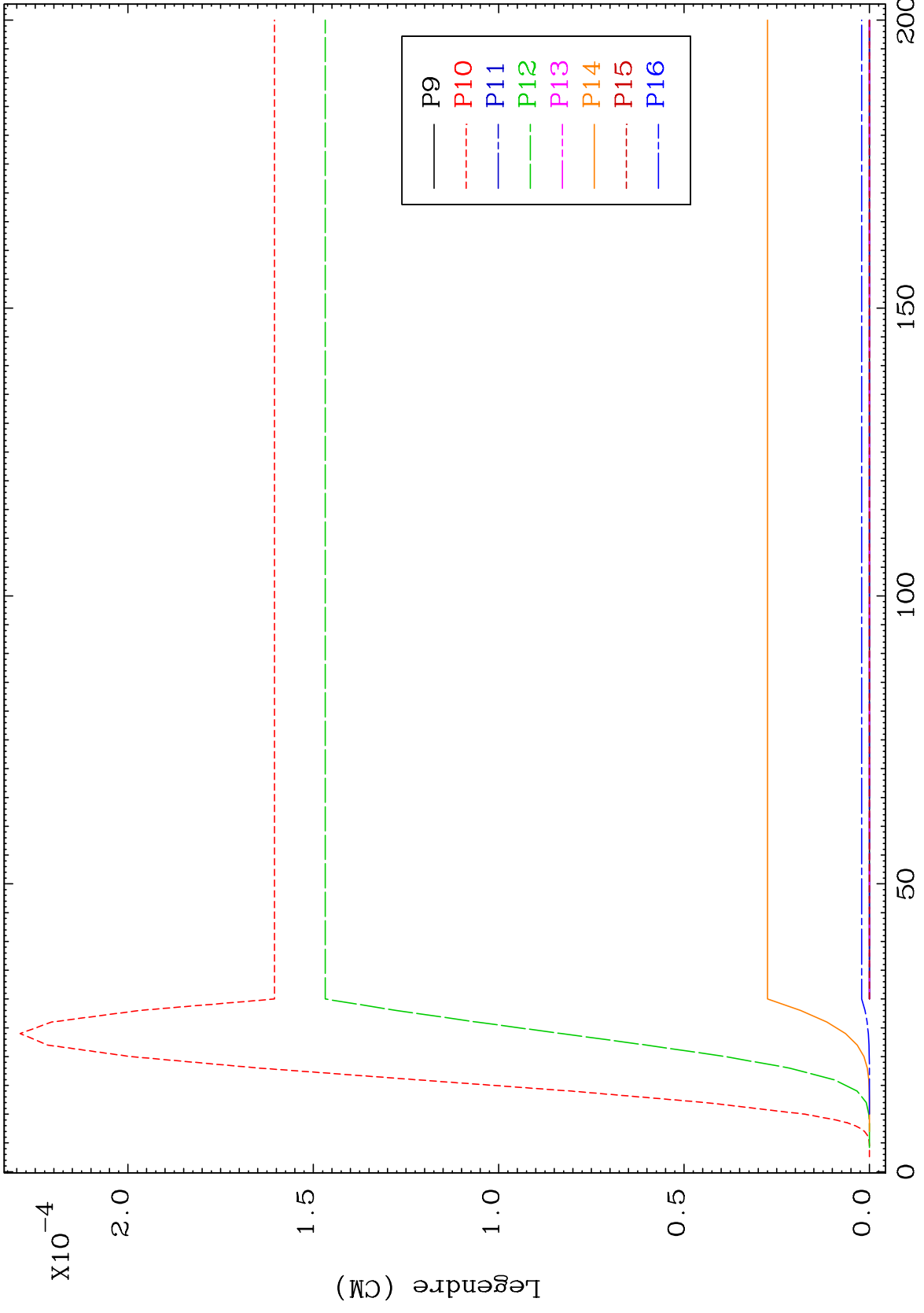
MAT 2728 MT= 63 (n,n') Level Legendre Coefficients 27-Co-60



Legendre (CM) Incident Energy (MeV) 27-Co-60

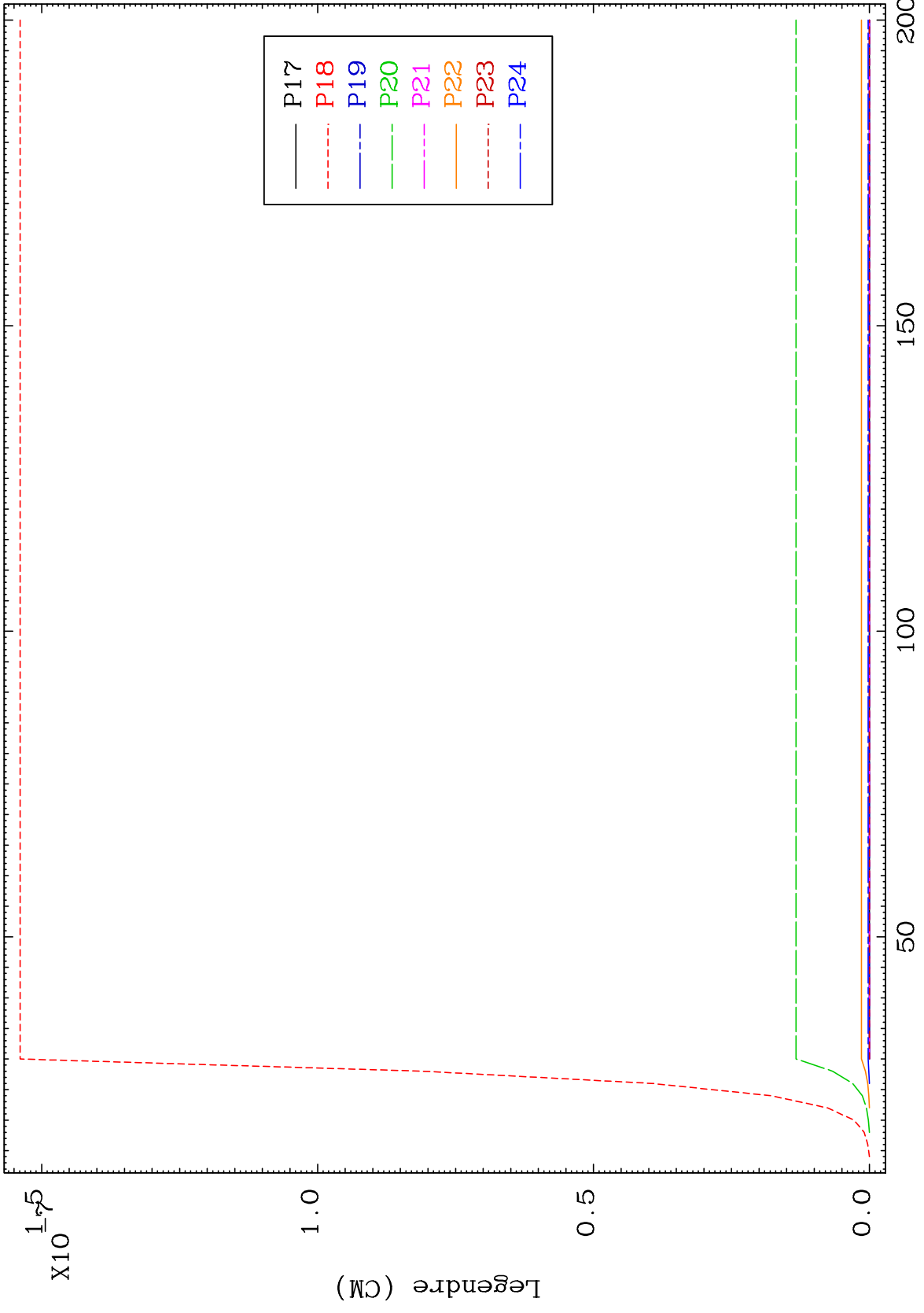


MAT 2728 MT= 63 (n,n') Level Legendre Coefficients 27-Co-60



56 27-Co-60

MAT 2728 MT= 63 (n,n') Level Legendre Coefficients 27-Co-60

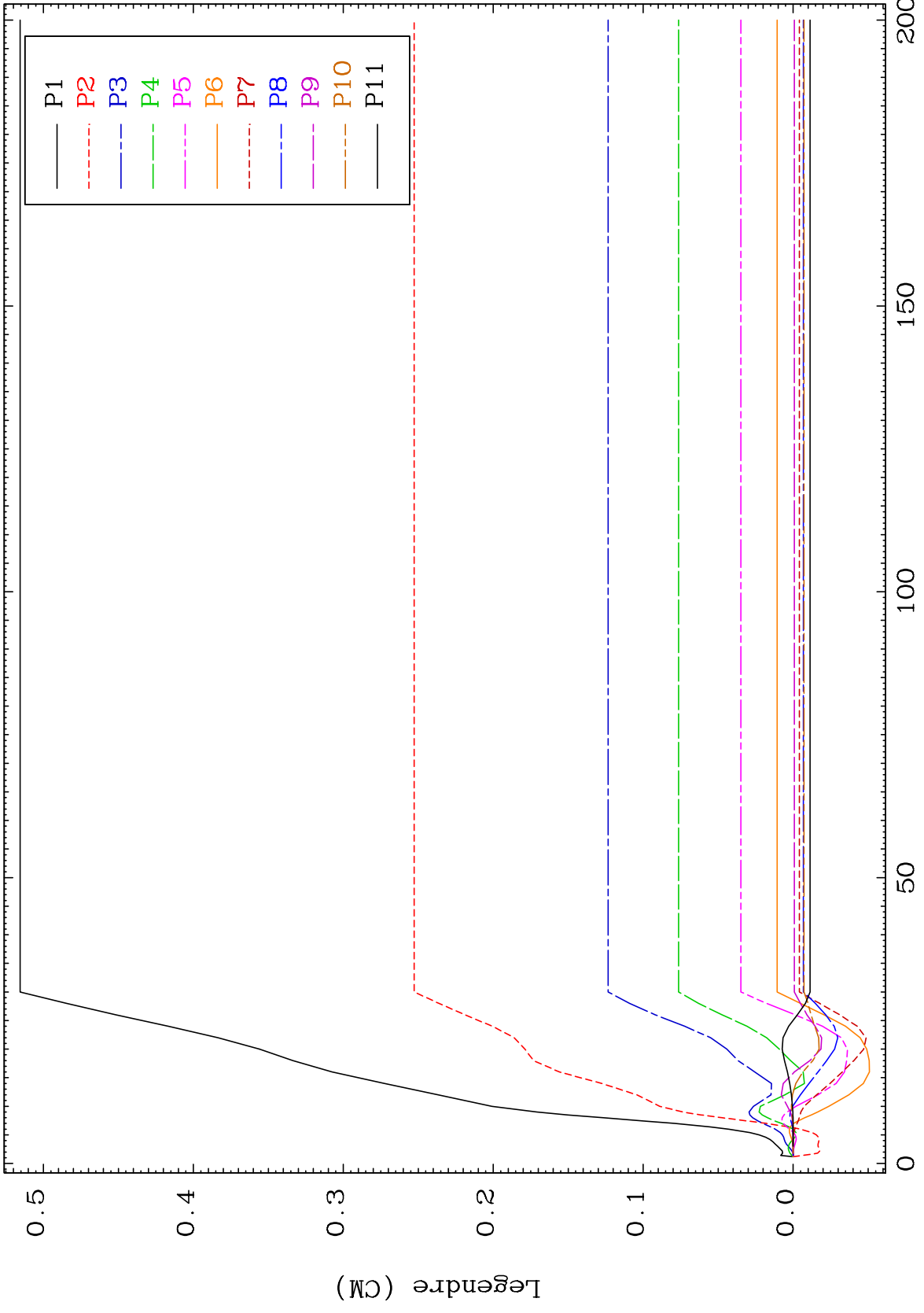


57 Incident Energy (MeV) 200 27-Co-60

MAT 2728

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

27-Co-60



58

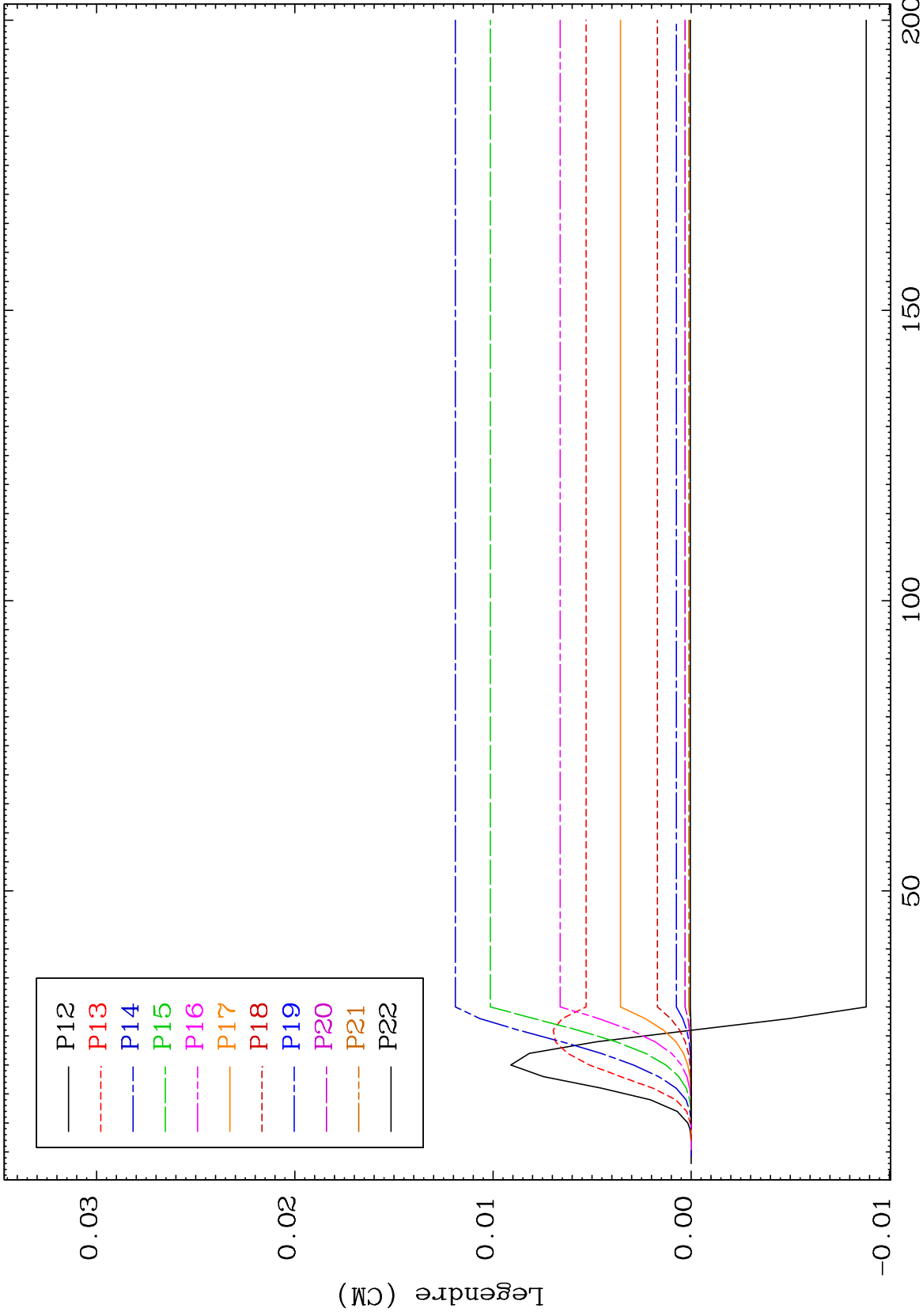
Incident Energy (MeV)

27-Co-60

MAT 2728

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

27-Co-60



59

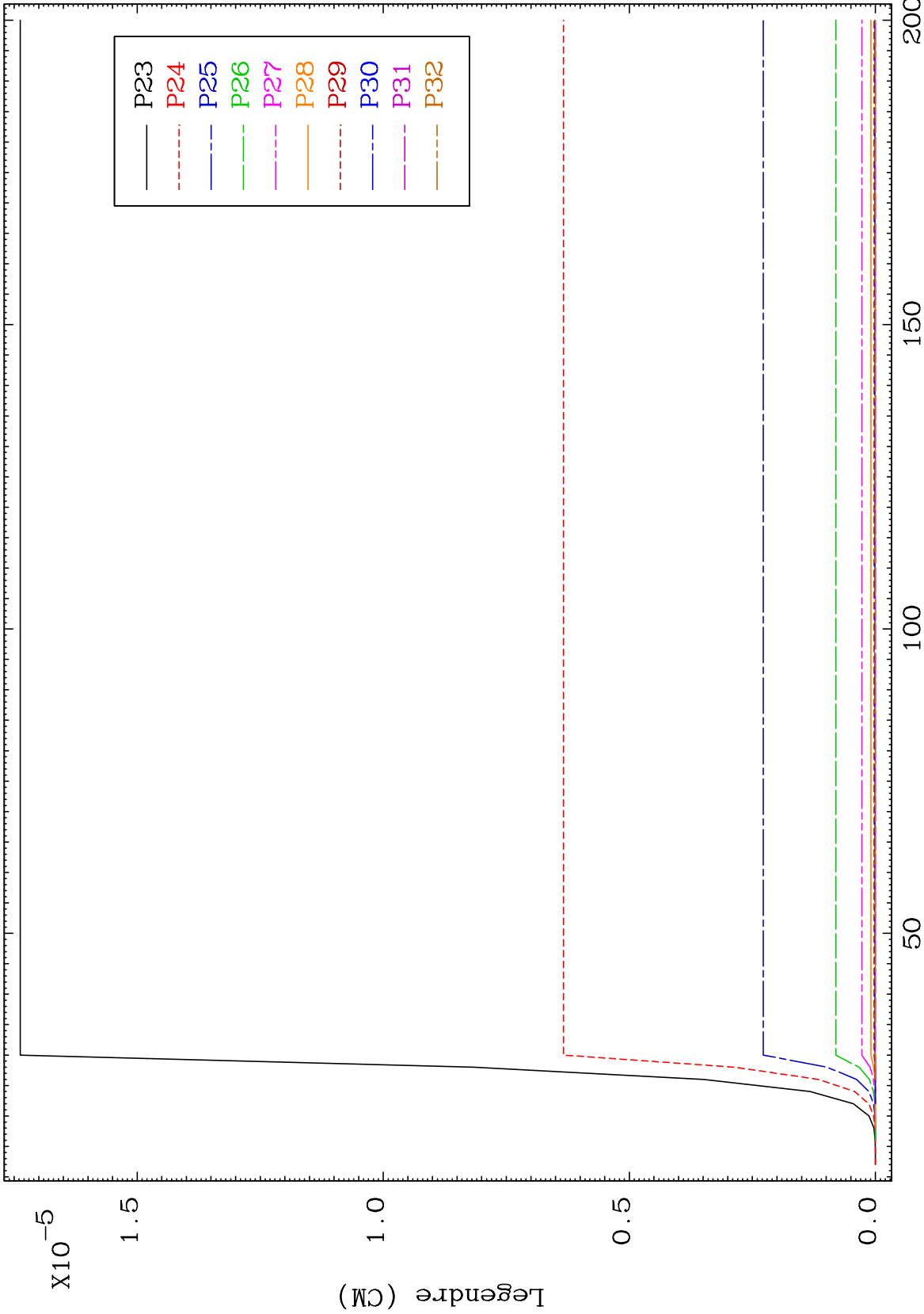
Incident Energy (MeV)

27-Co-60

MAT 2728

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

27-Co-60

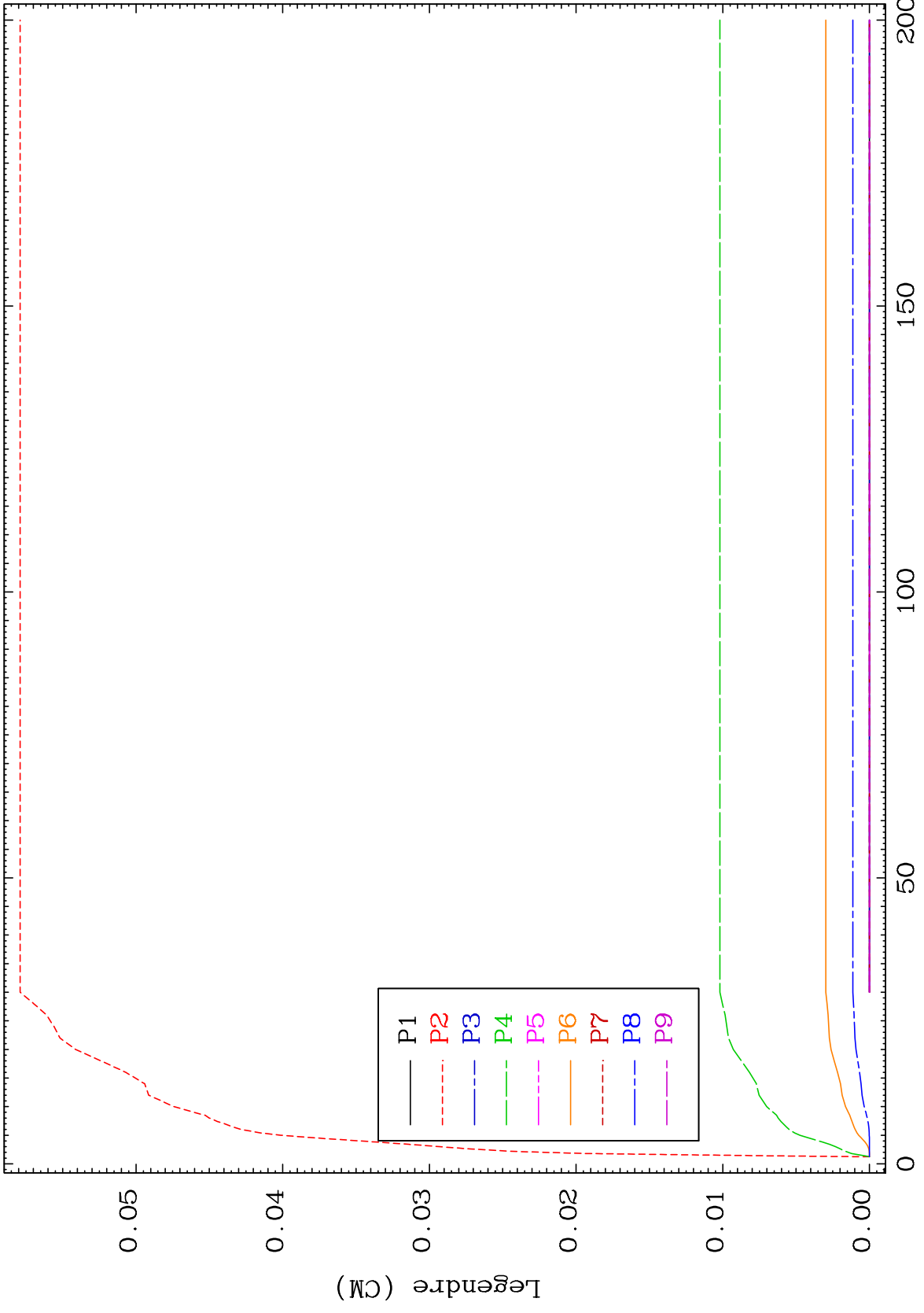


60

Incident Energy (MeV)

27-Co-60

MAT 2728 MT= 65 (n,n') Level Legendre Coefficients 27-Co-60

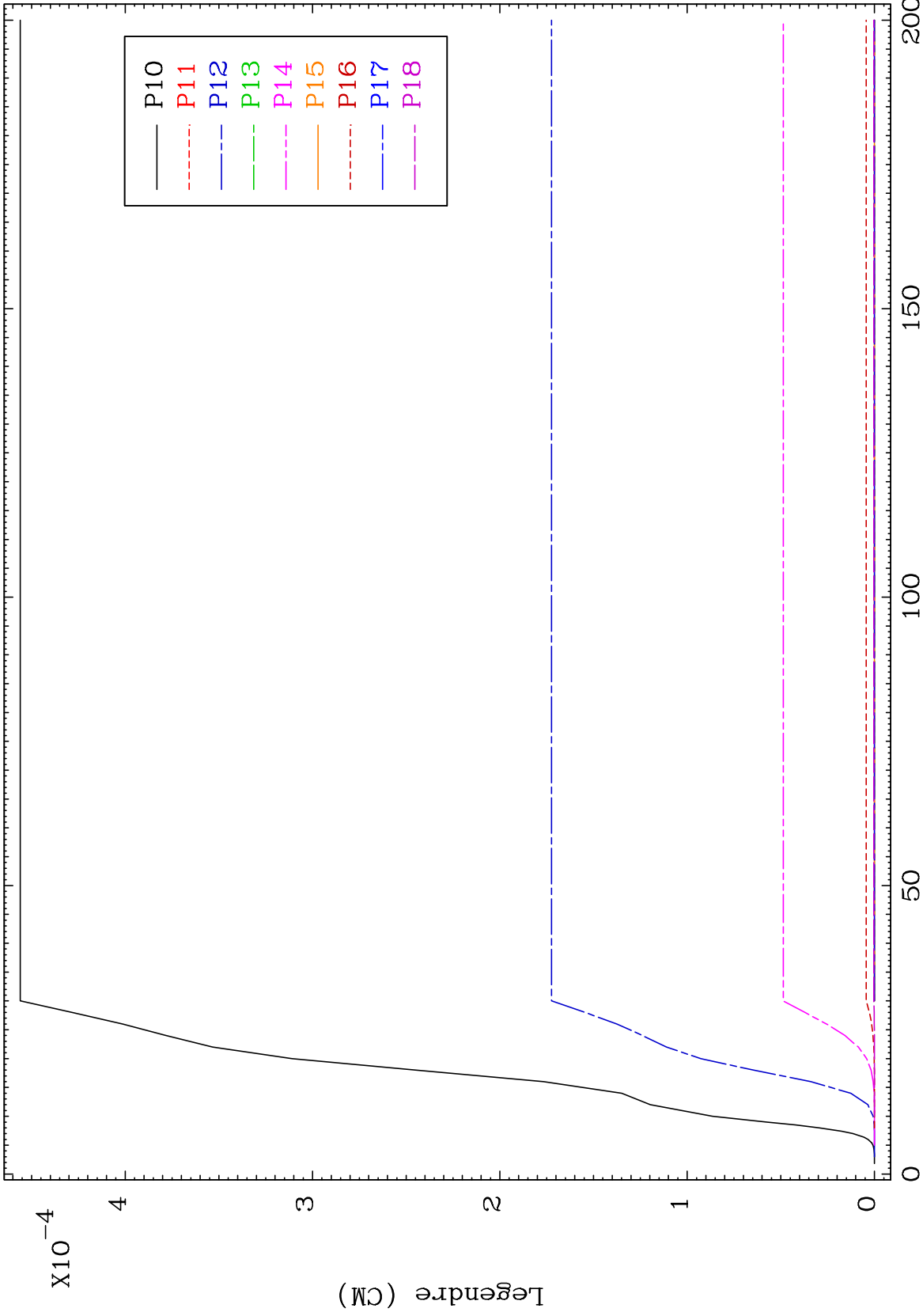


61 27-Co-60

MAT 2728

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

27-Co-60

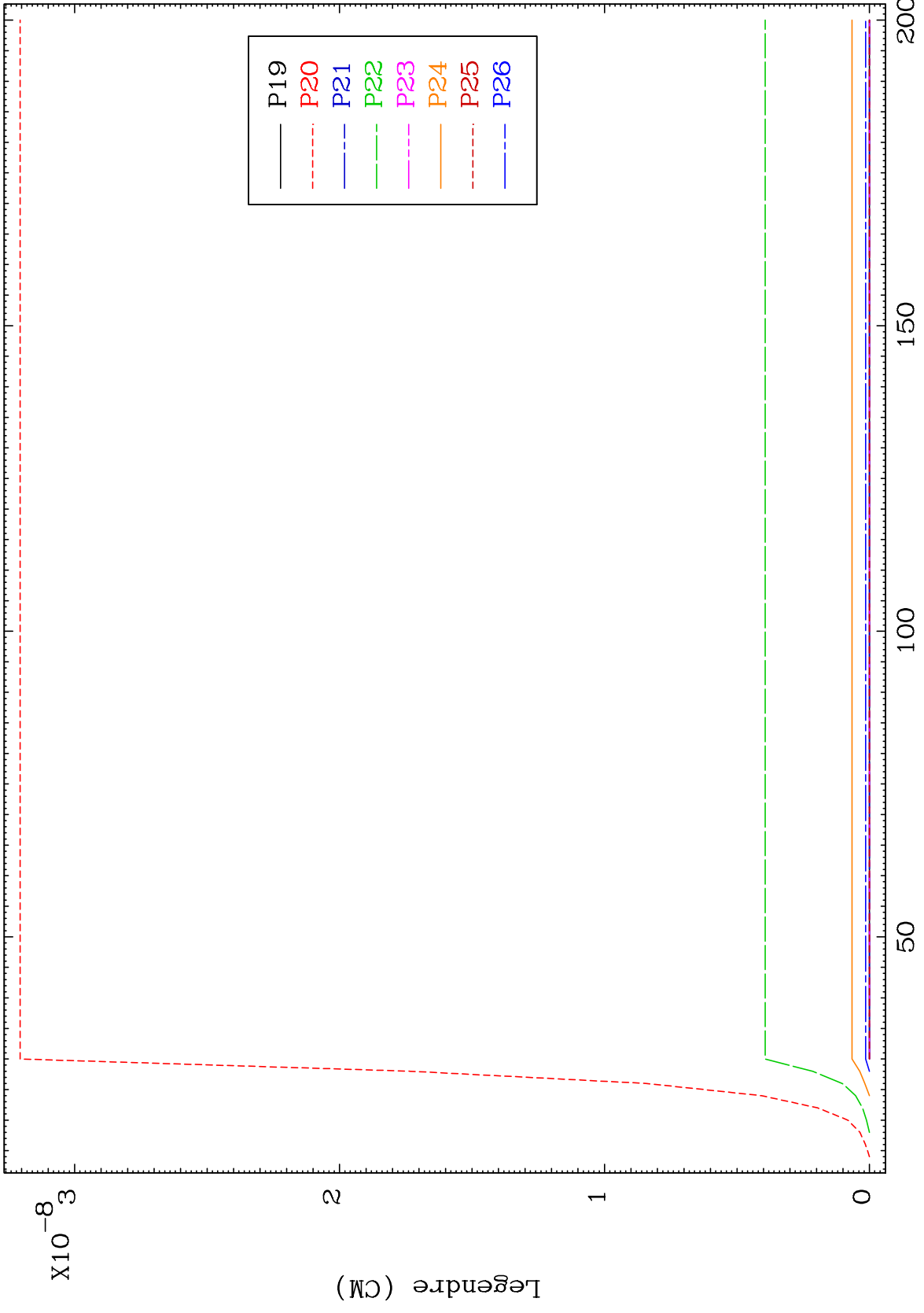


62

Incident Energy (MeV)

27-Co-60

MAT 2728 MT= 65 (n,n') Level Legendre Coefficients 27-Co-60



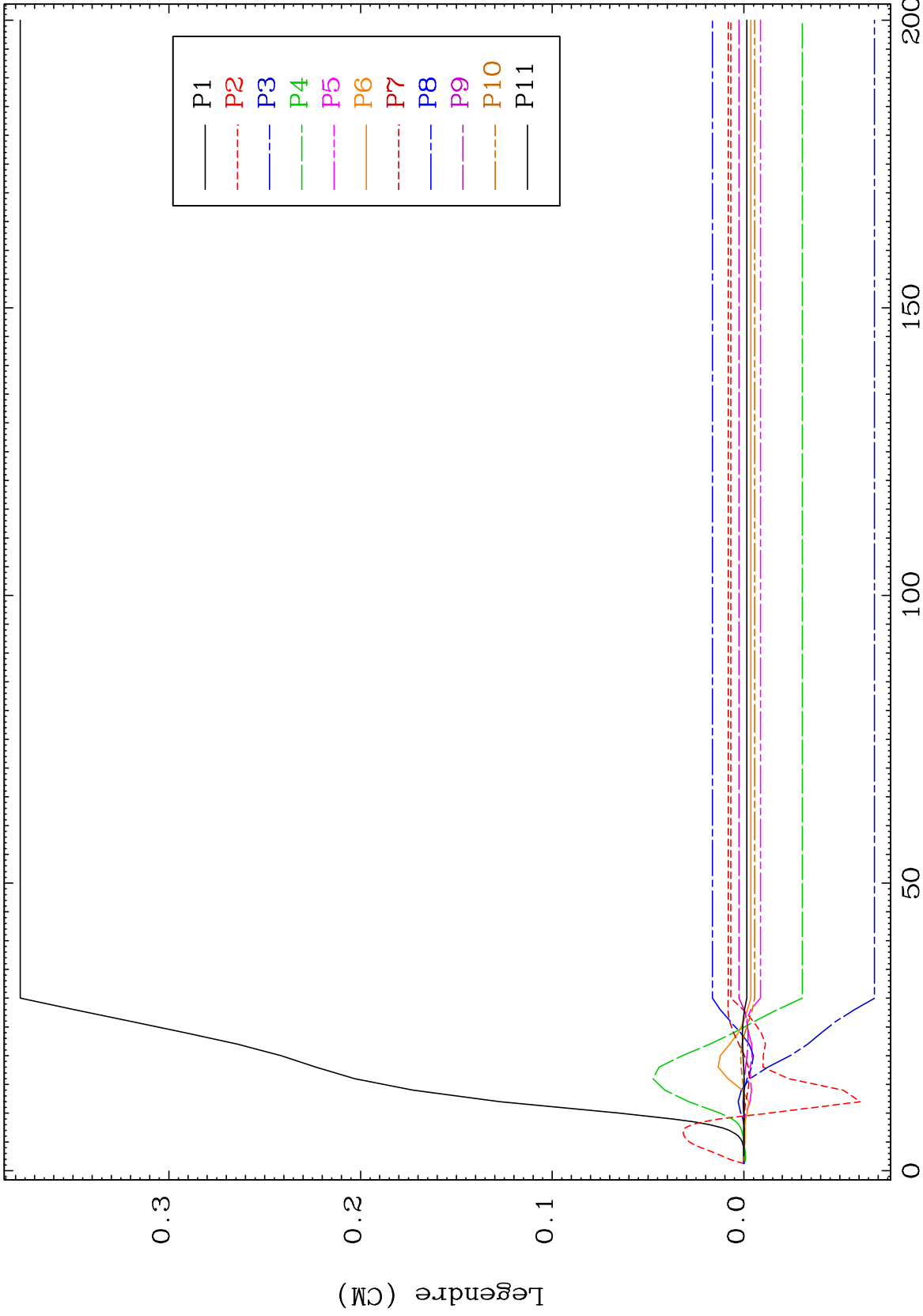
63 Incident Energy (MeV) 27-Co-60



MAT 2728

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

27-Co-60



64

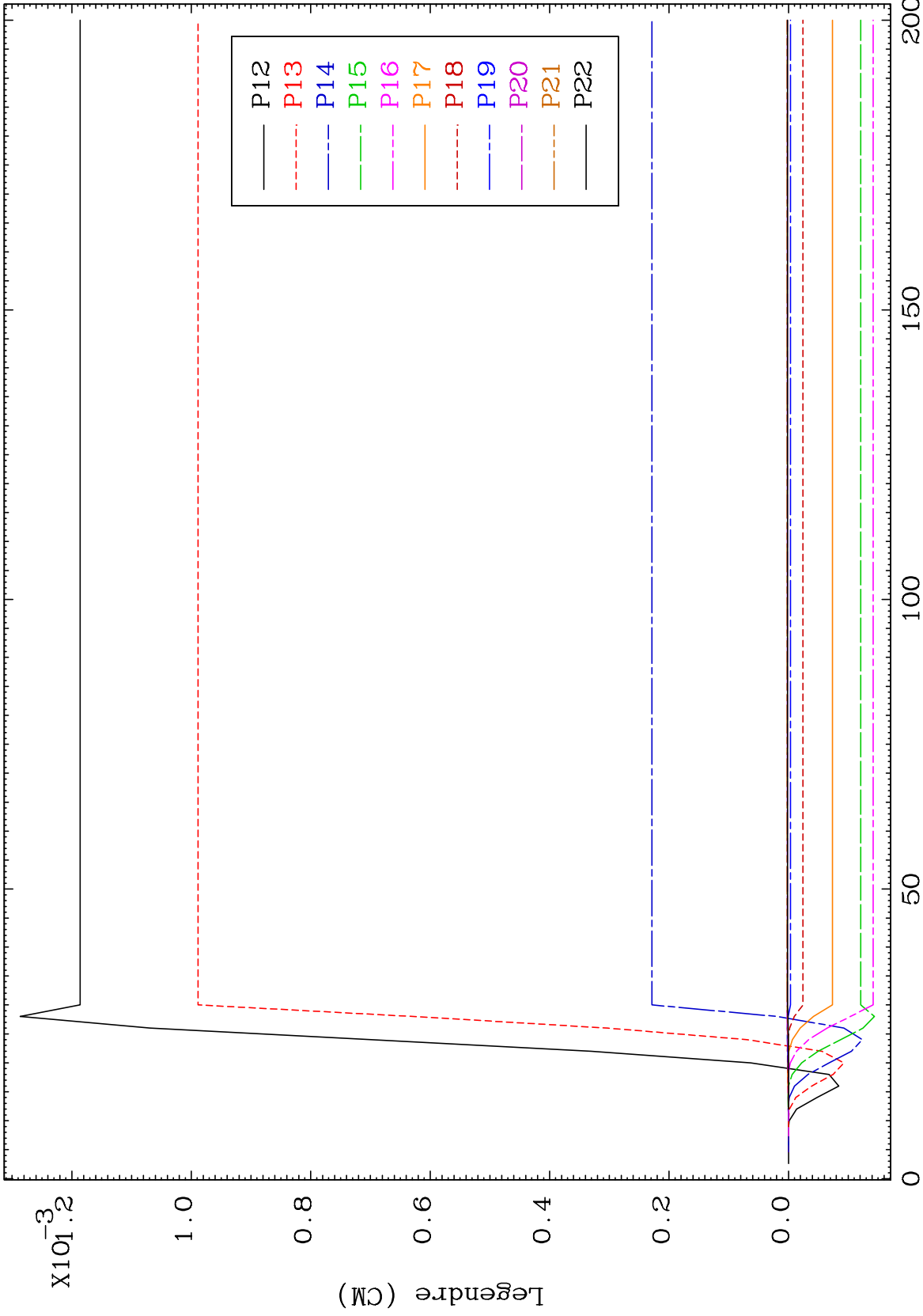
Incident Energy (MeV)

27-Co-60

MAT 2728

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

27-Co-60



65

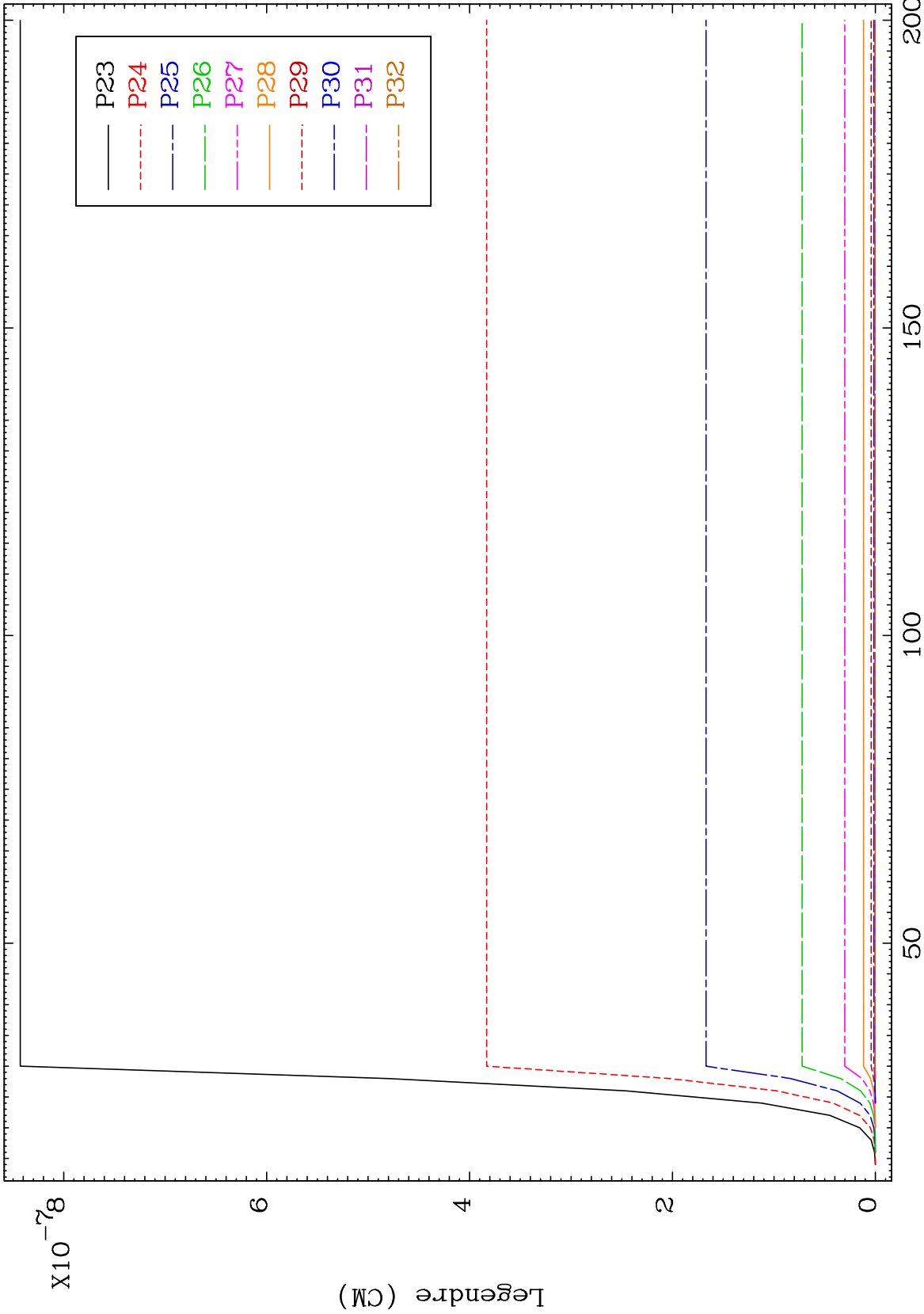
Incident Energy (MeV)

27-Co-60

MAT 2728

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

27-Co-60



66

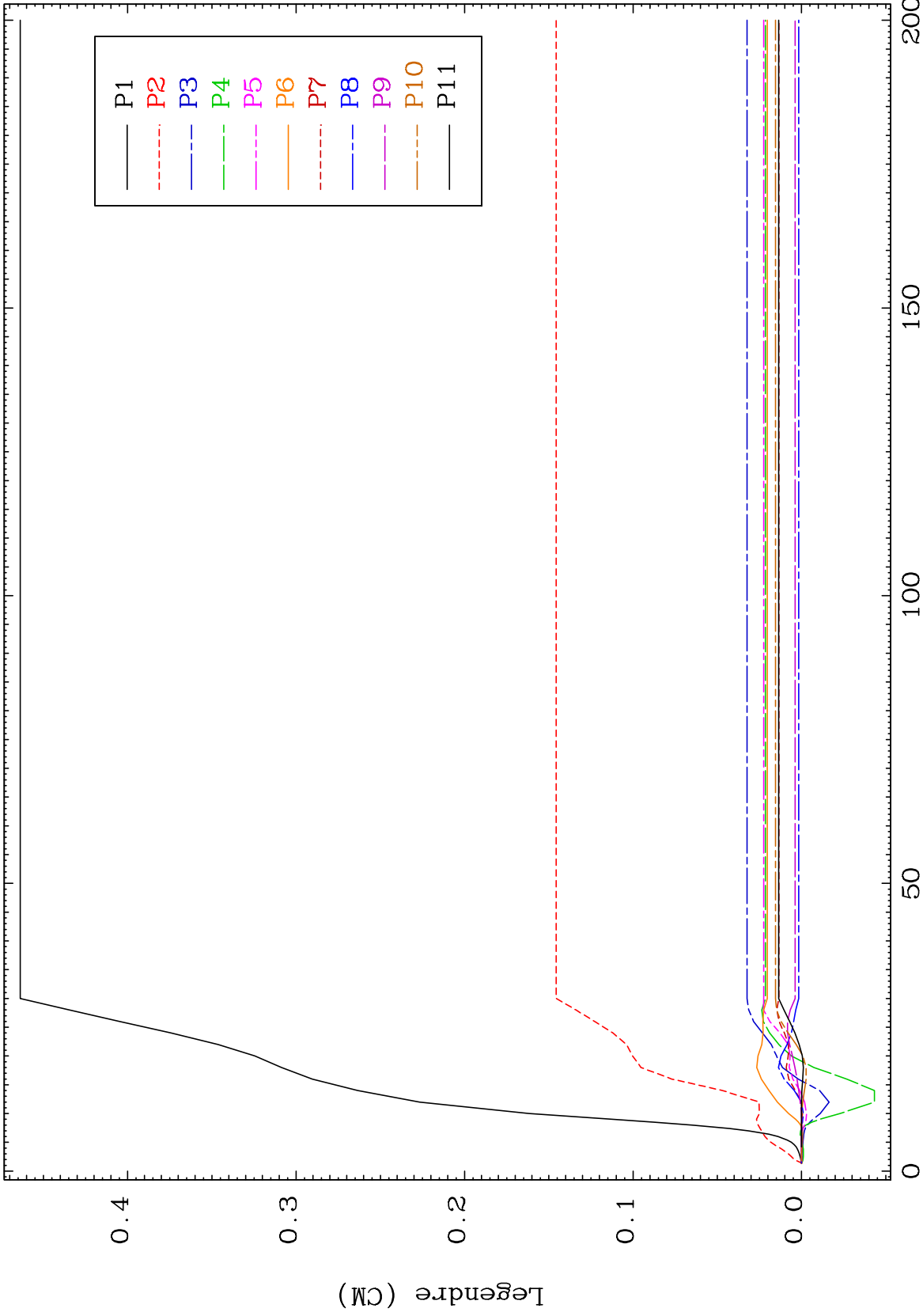
Incident Energy (MeV)

27-Co-60

MAT 2728

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

27-Co-60



67

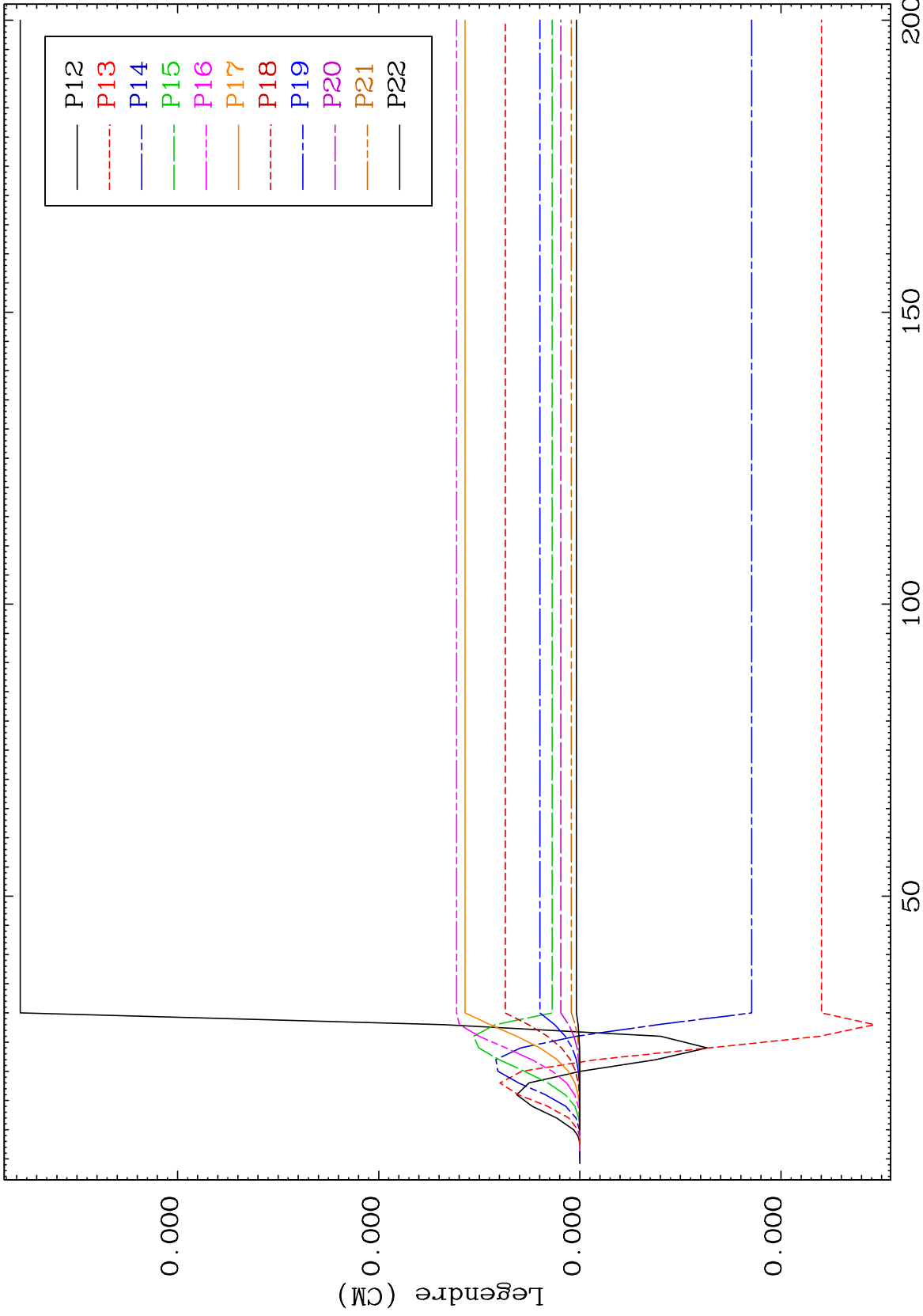
Incident Energy (MeV)

27-Co-60

MAT 2728

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

27-Co-60



68

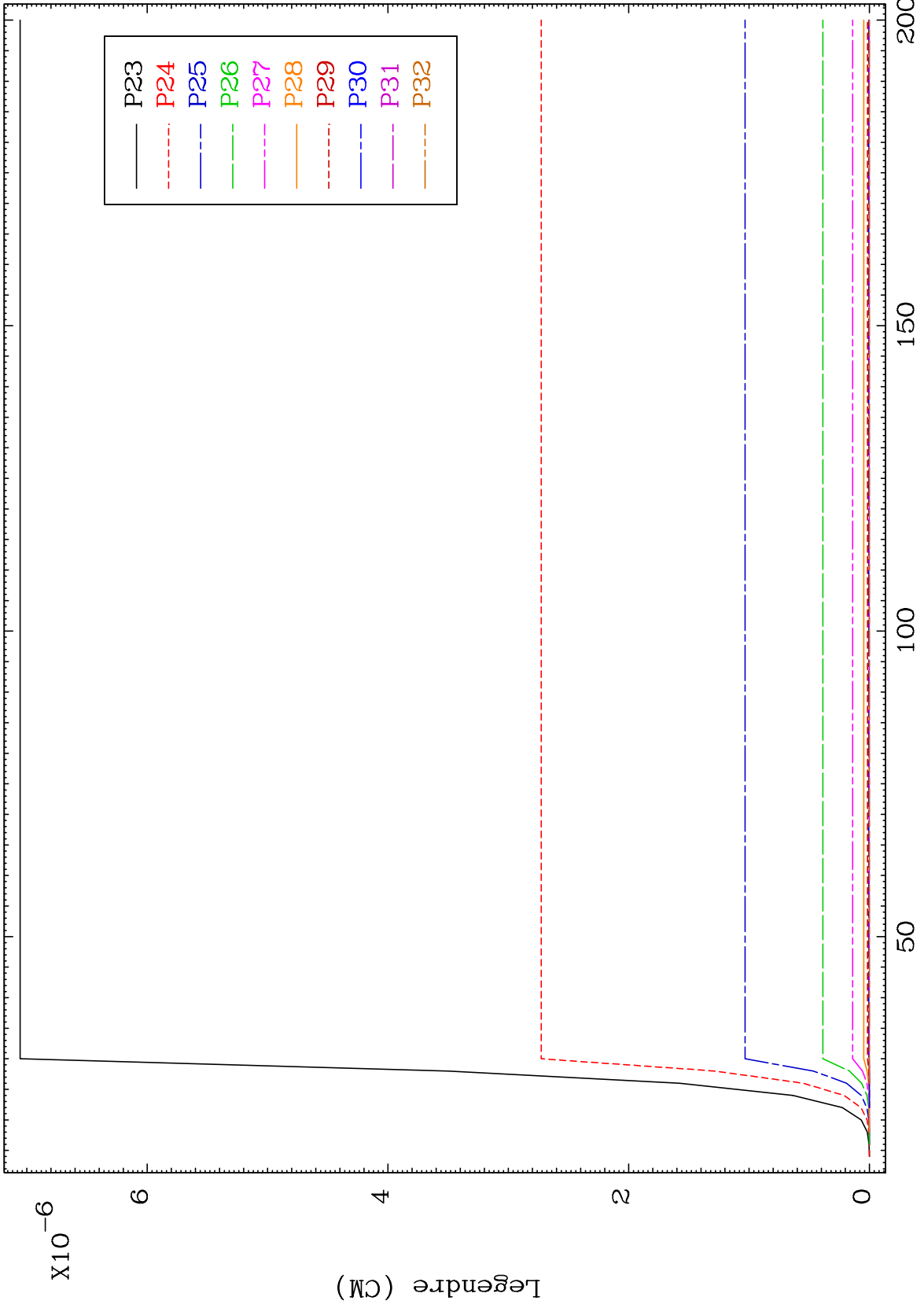
Incident Energy (MeV)

27-Co-60

MAT 2728

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

27-Co-60

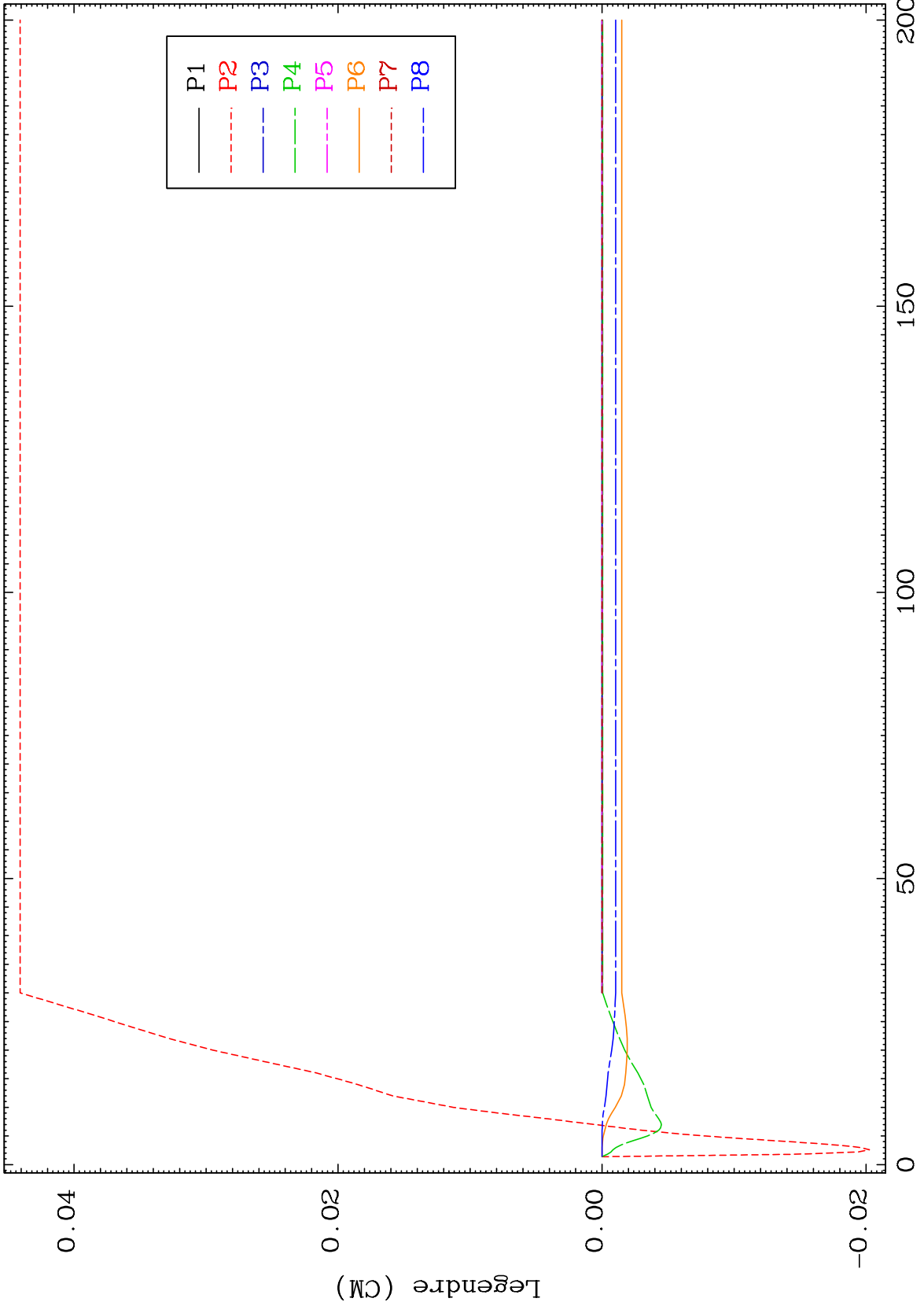


69

Incident Energy (MeV)

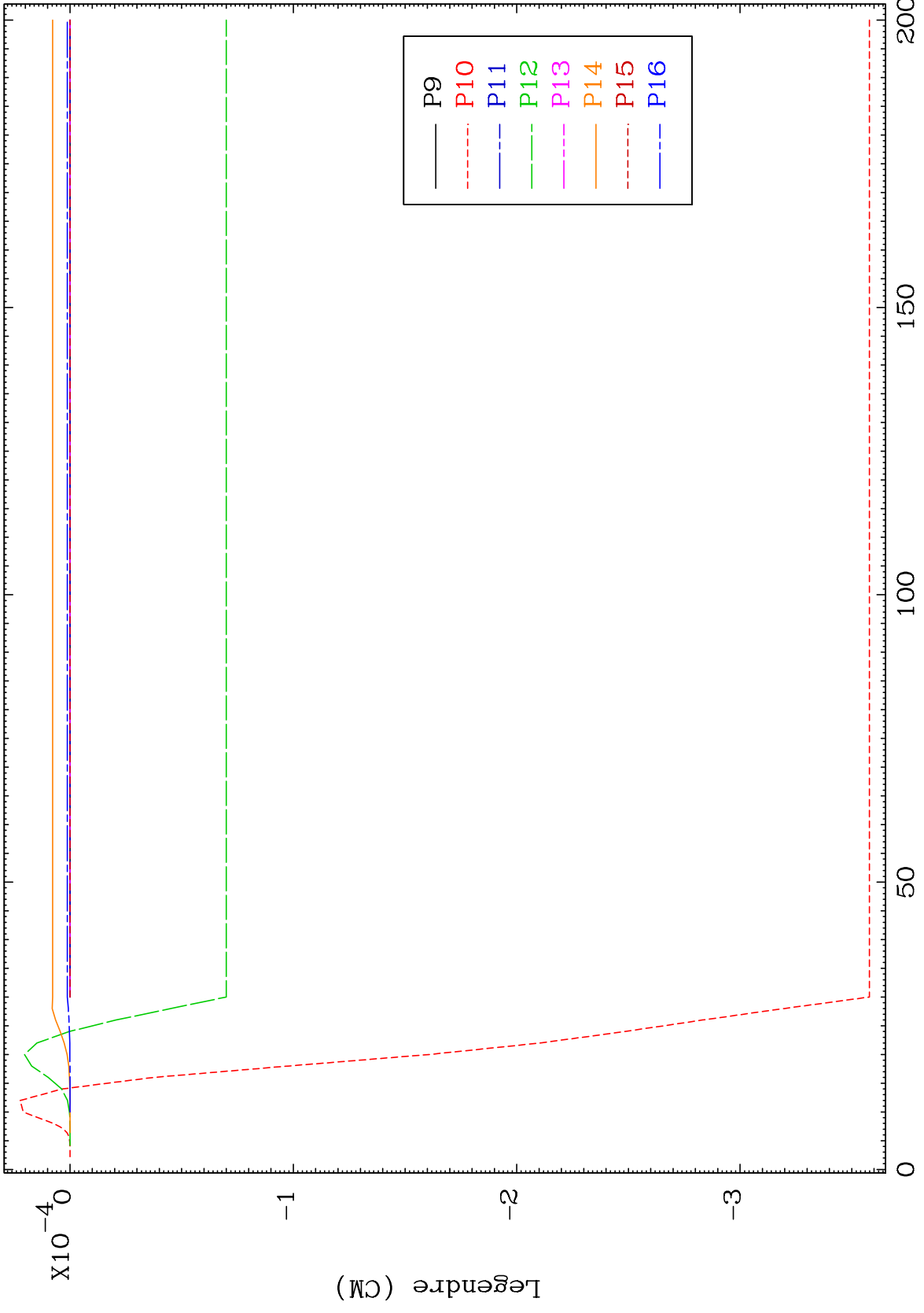
27-Co-60

MAT 2728 MT= 68 (n,n') Level Legendre Coefficients 27-Co-60



Legendre (CM) Incident Energy (MeV) 27-Co-60

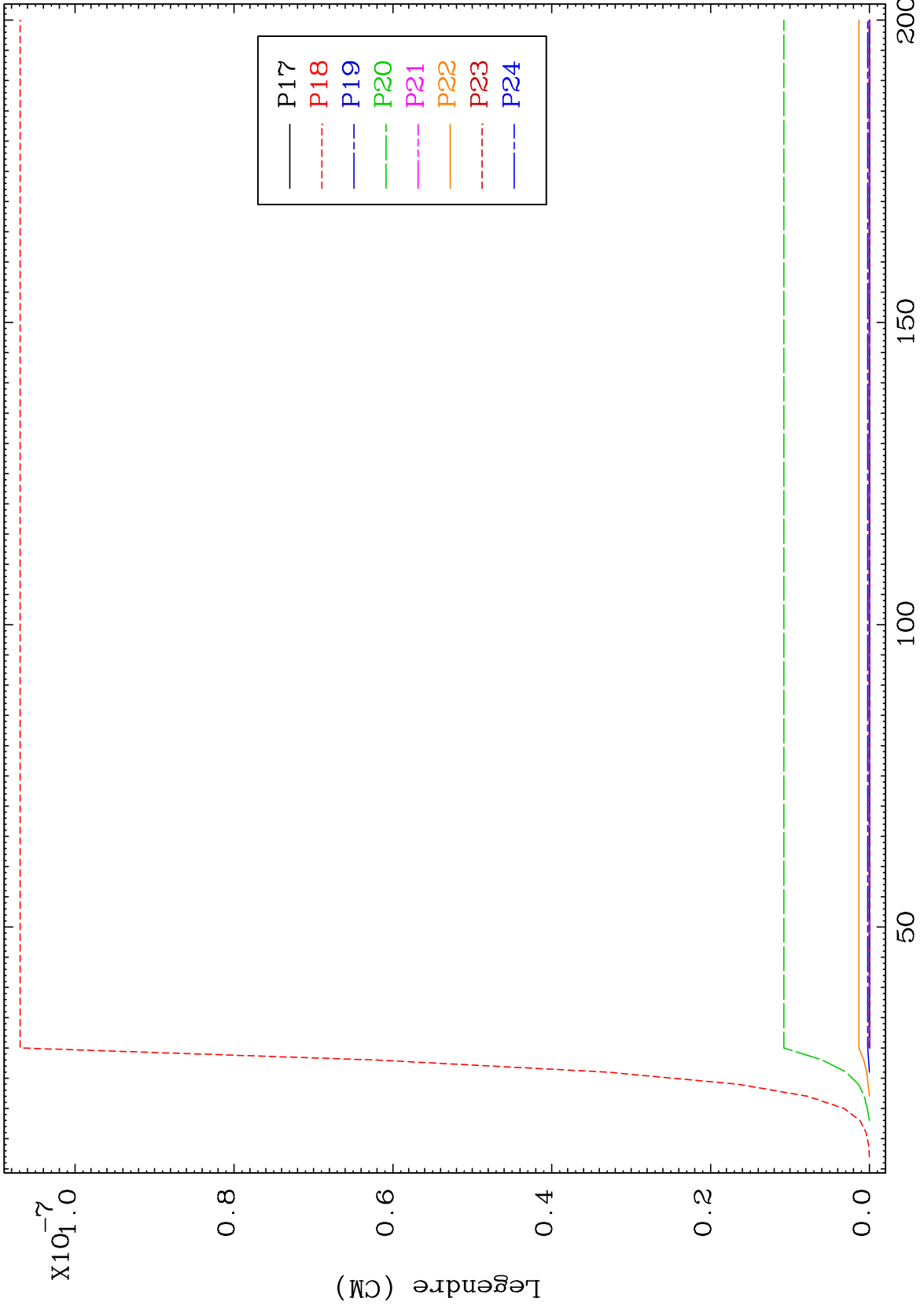
MAT 2728 MT= 68 (n,n') Level Legendre Coefficients 27-Co-60



71 27-Co-60



MAT 2728 MT= 68 (n,n') Level Legendre Coefficients 27-Co-60

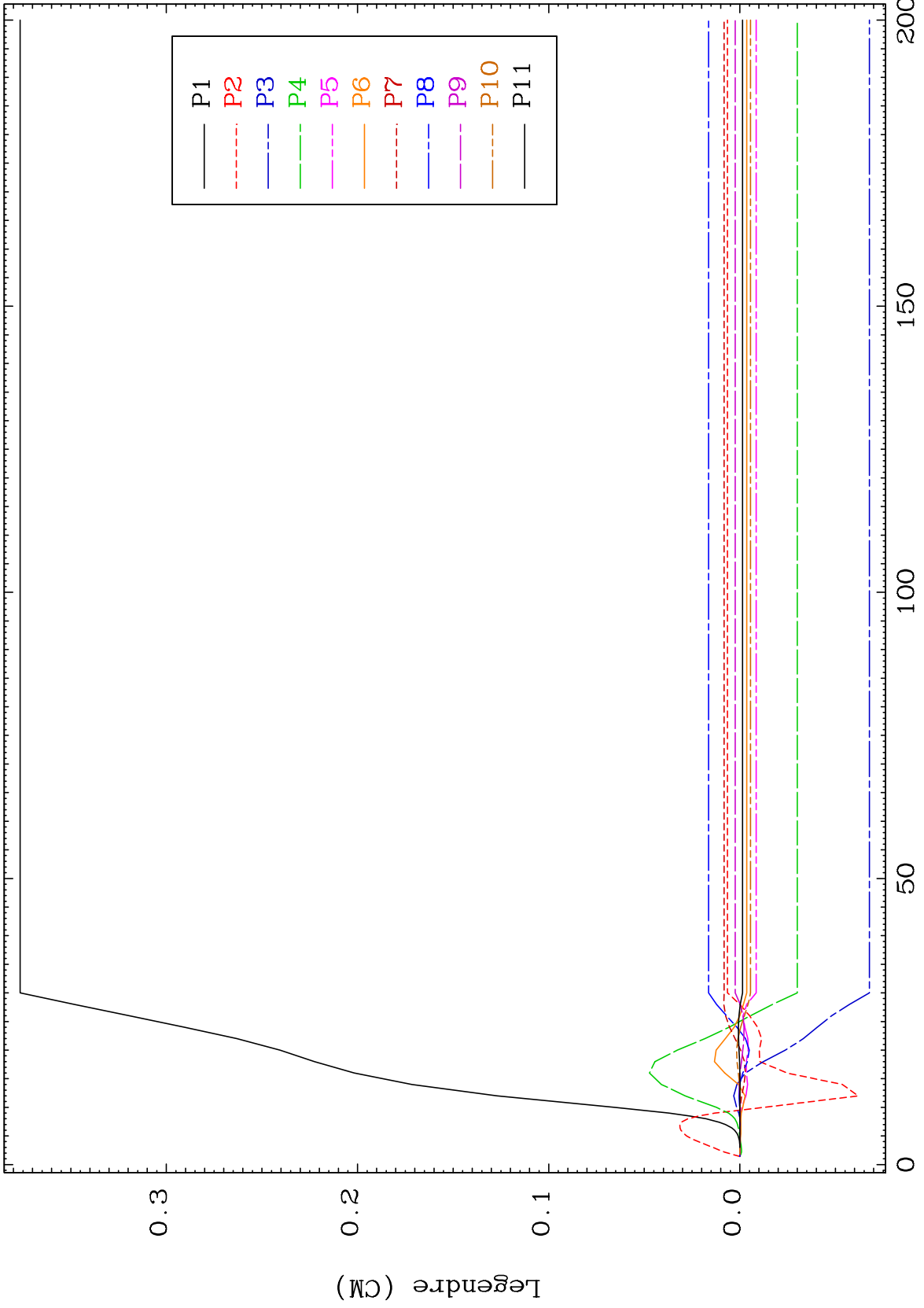


72 Incident Energy (MeV) 27-Co-60

MAT 2728

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

27-Co-60



73

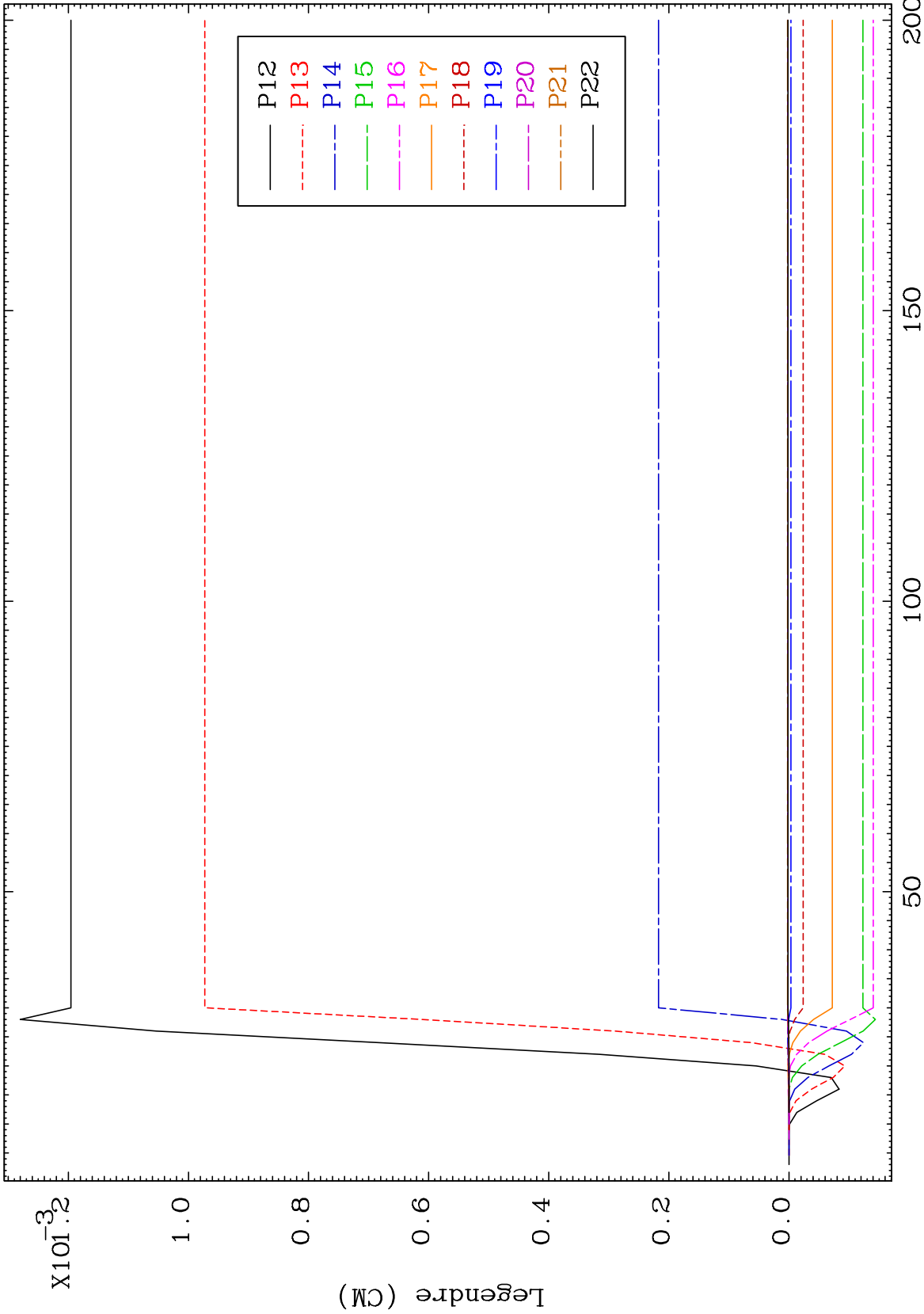
Incident Energy (MeV)

27-Co-60

MAT 2728

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

27-Co-60



74

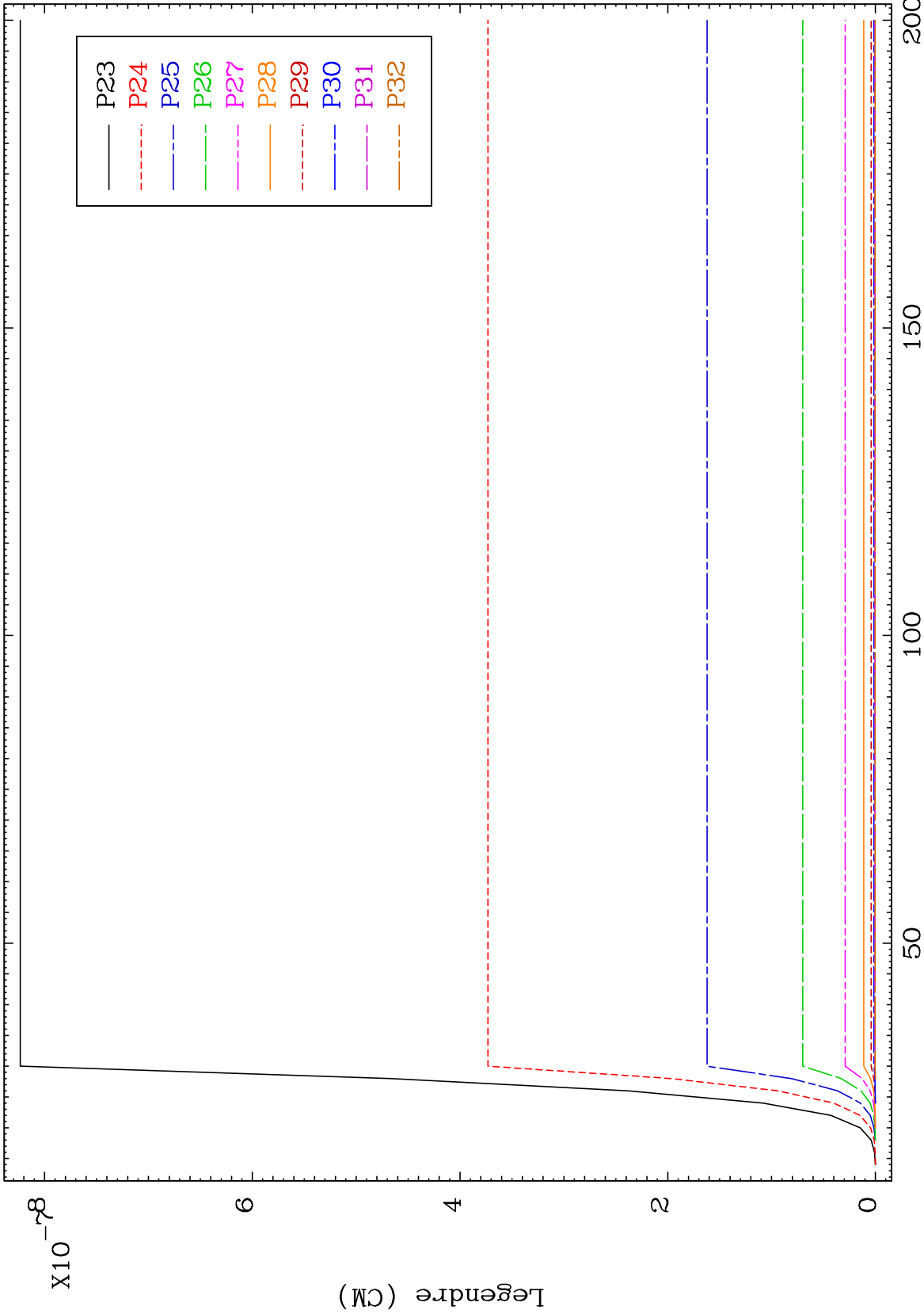
Incident Energy (MeV)

27-Co-60

MAT 2728

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

27-Co-60

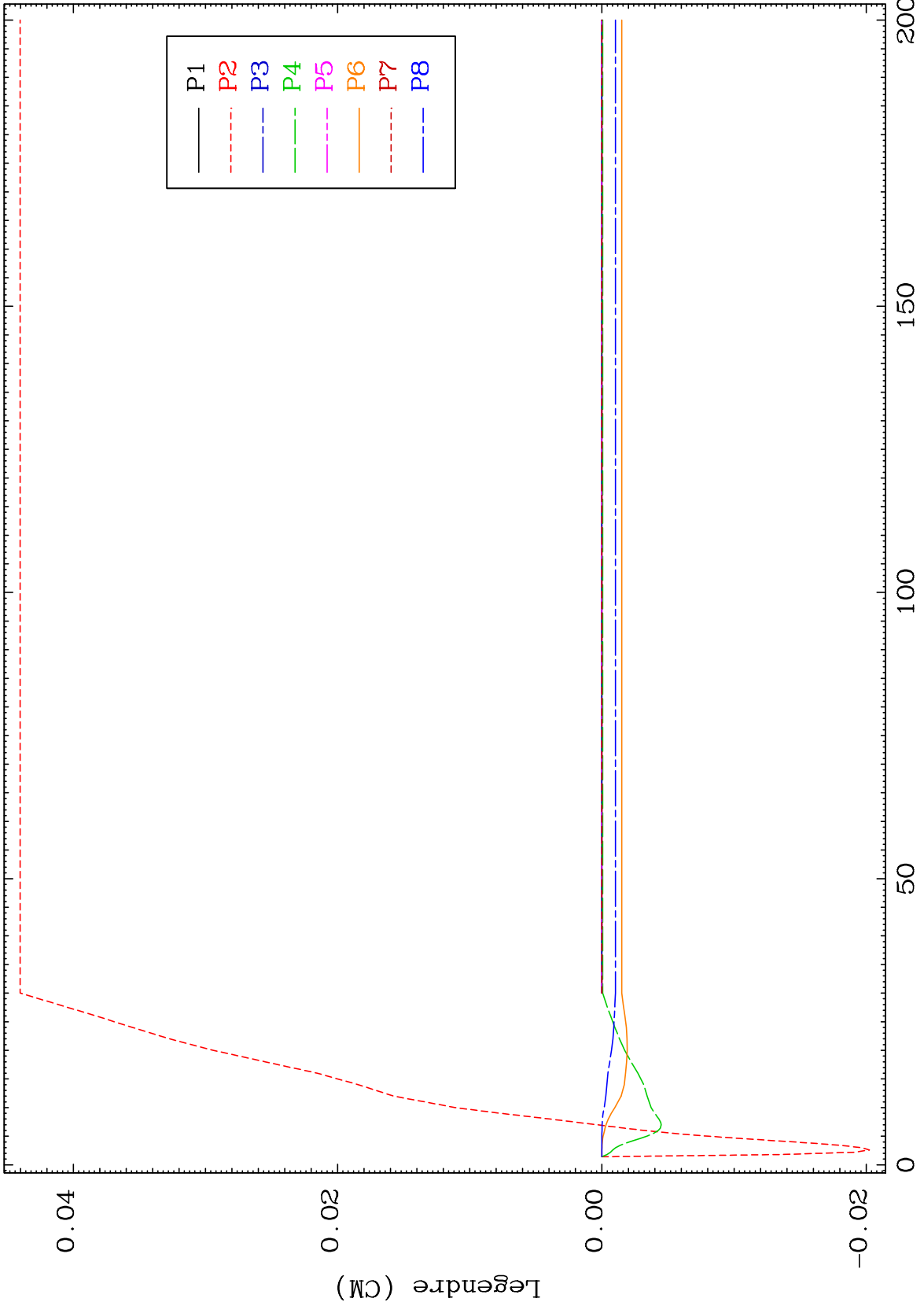


75

Incident Energy (MeV)

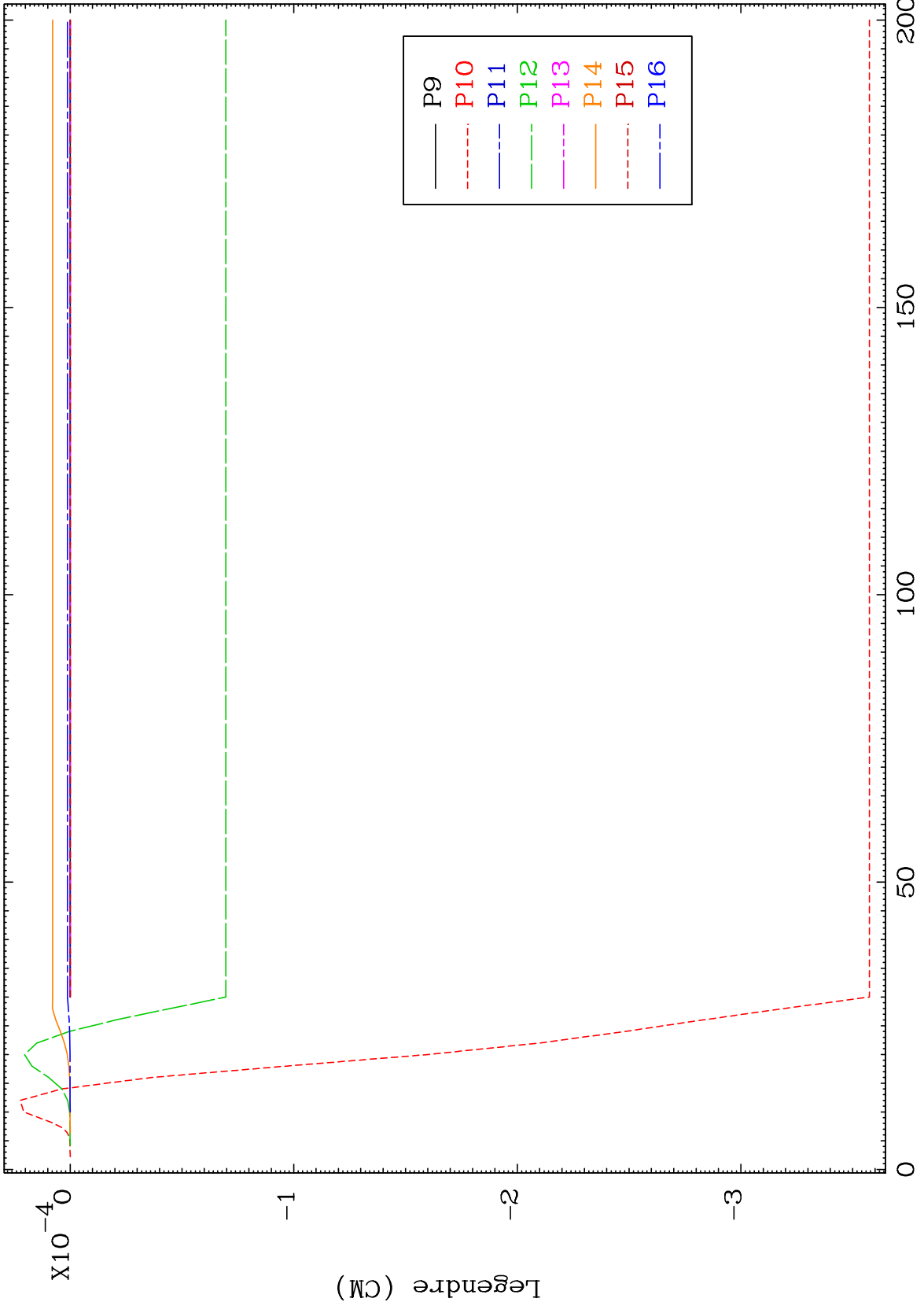
27-Co-60

MAT 2728 MT= 70 (n,n') Level Legendre Coefficients 27-Co-60



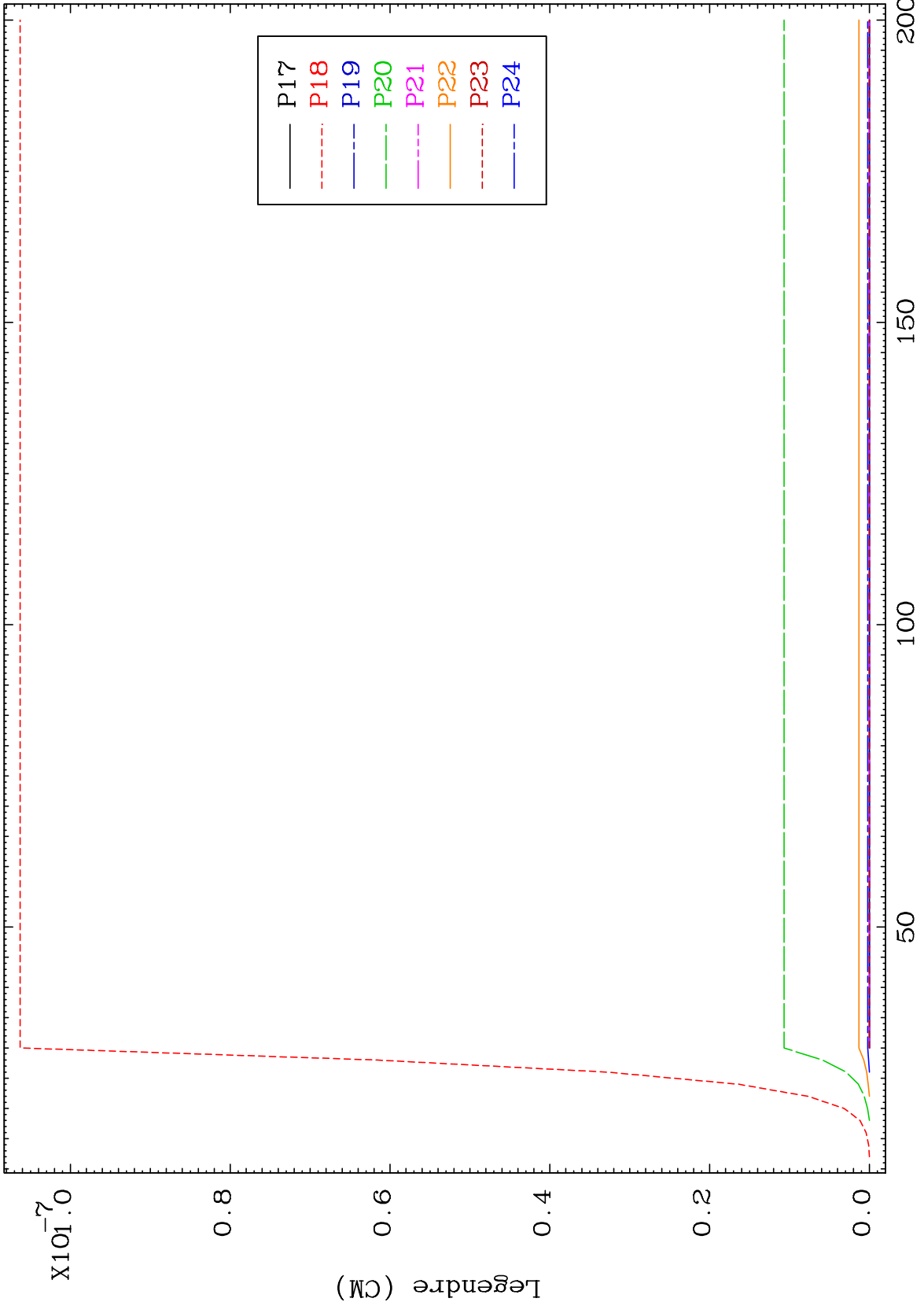
76 Incident Energy (MeV) 27-Co-60

MAT 2728 MT= 70 (n,n') Level Legendre Coefficients 27-Co-60



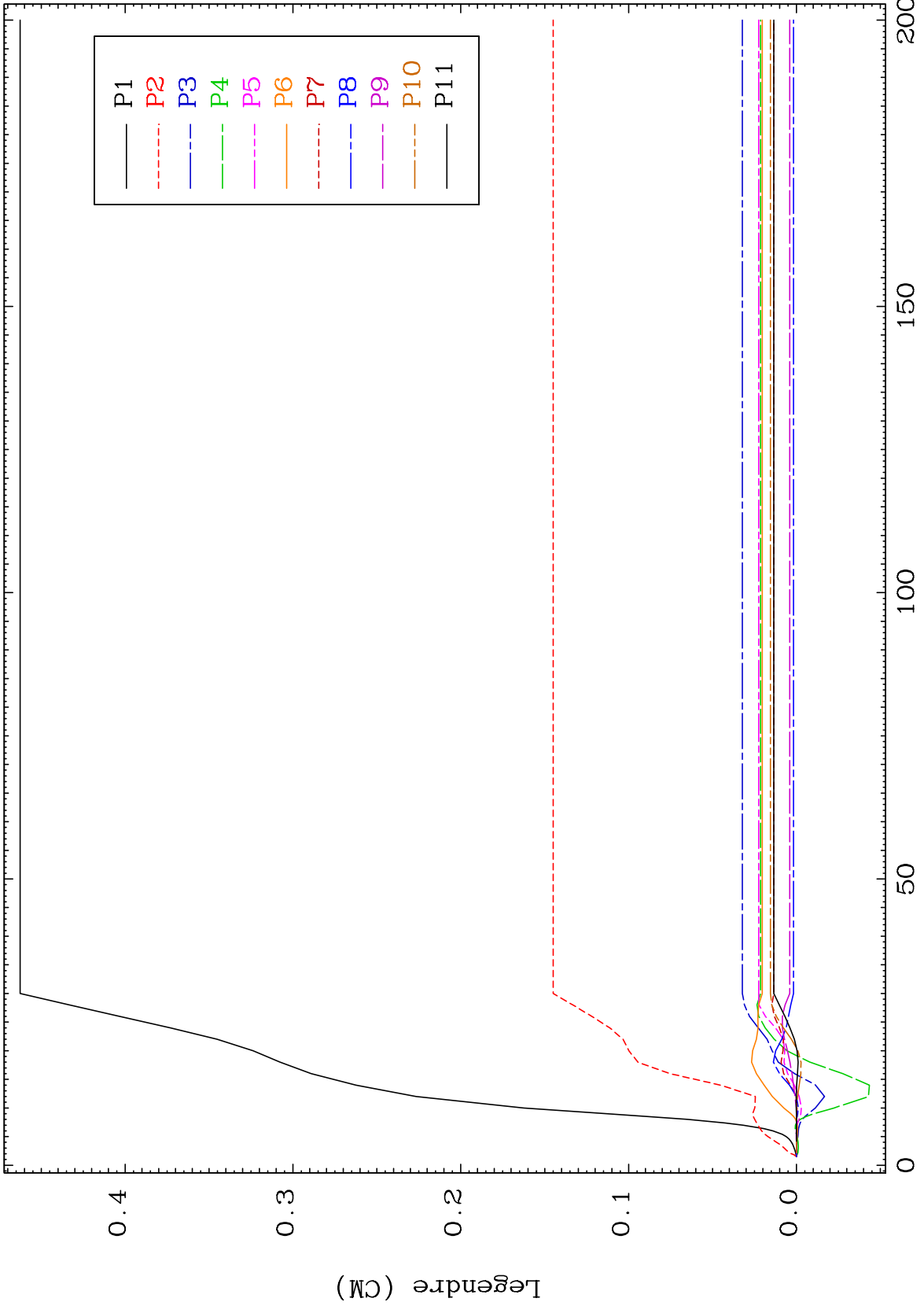
77 27-Co-60

MAT 2728 MT= 70 (n,n') Level Legendre Coefficients 27-Co-60



78 27-Co-60

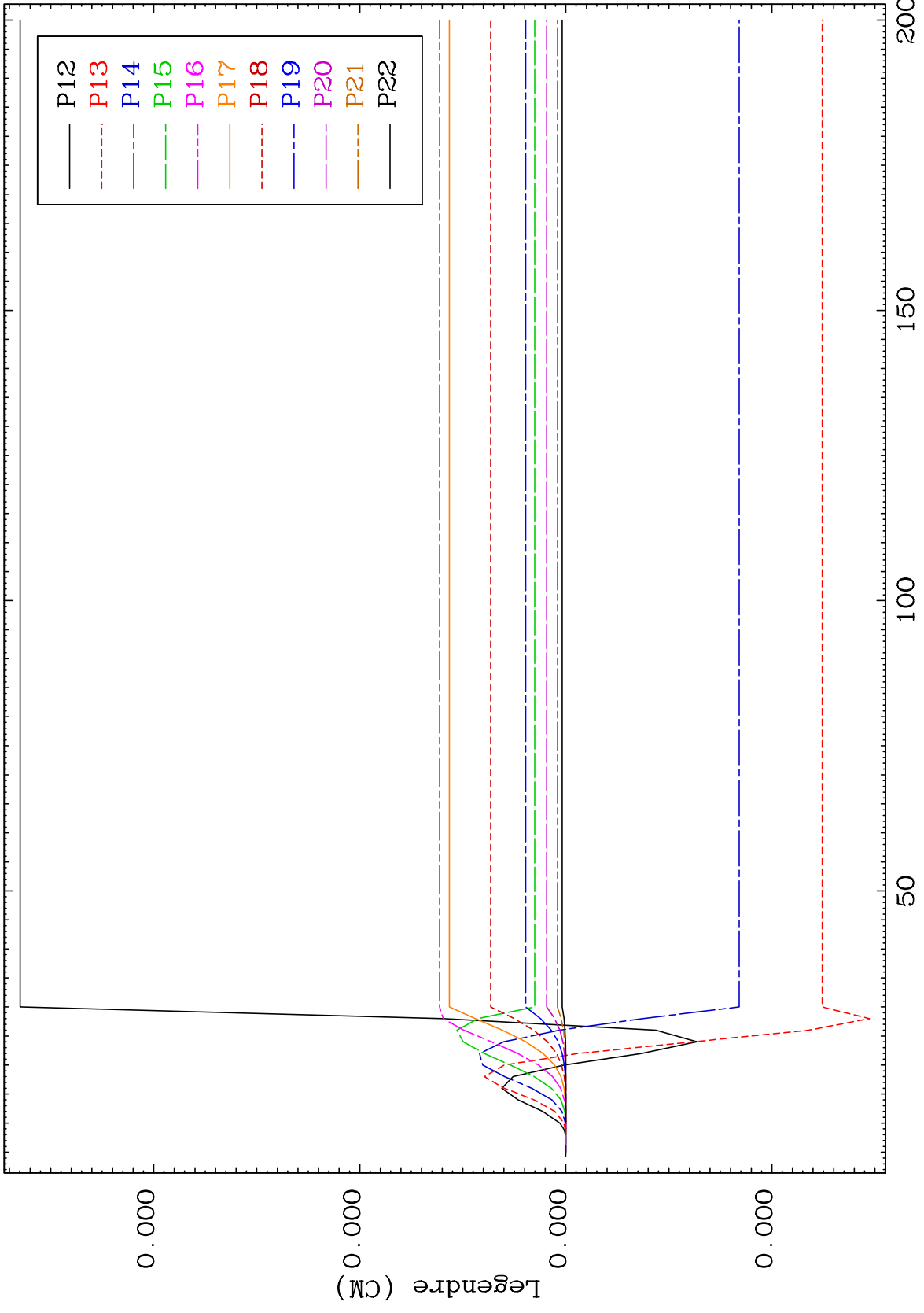
MAT 2728 MT= 71 (n,n') Level Legendre Coefficients 27-Co-60



79 Incident Energy (MeV) 27-Co-60



MAT 2728 MT= 71 (n,n') Level Legendre Coefficients 27-Co-60

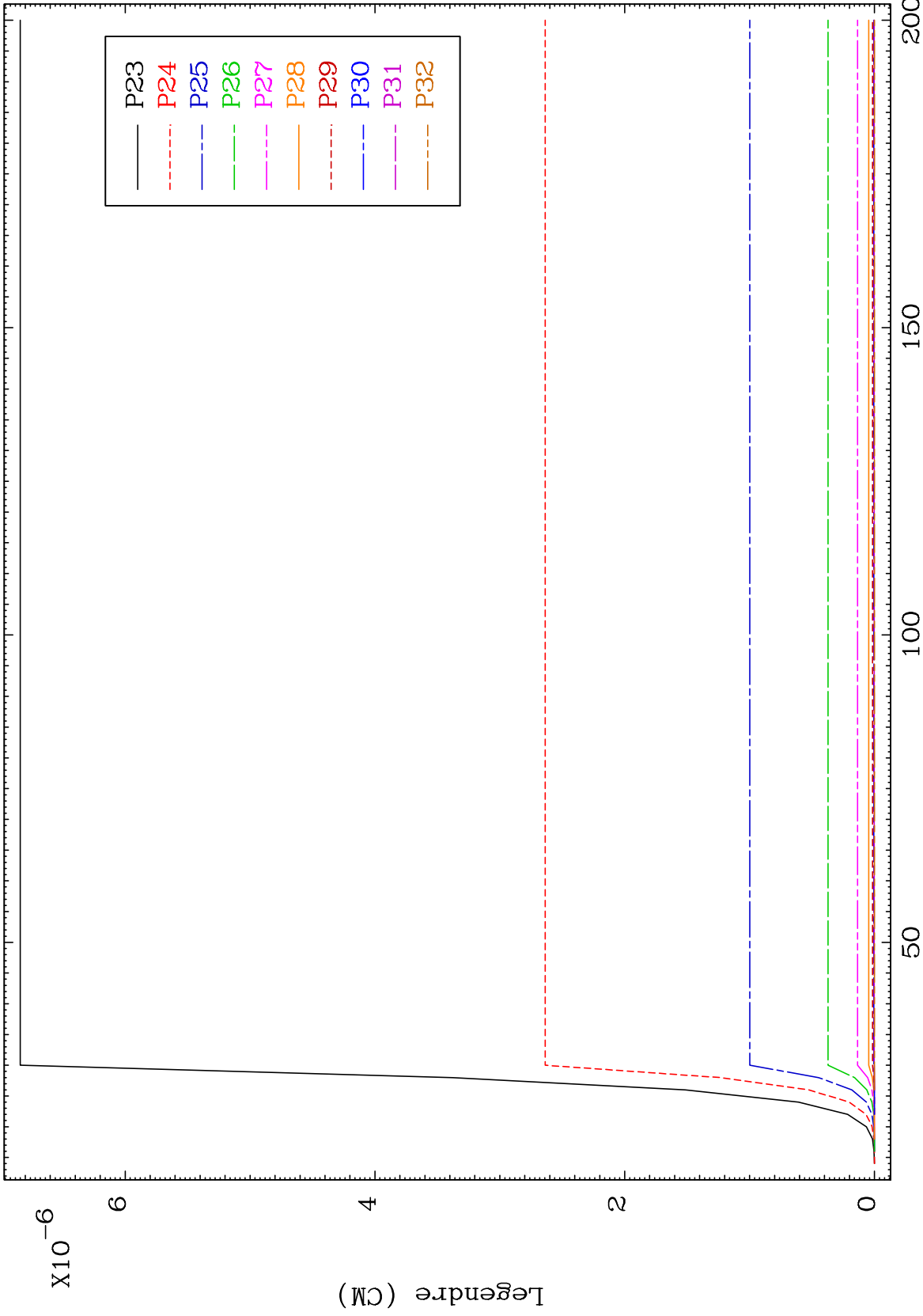


80 Incident Energy (MeV) 27-Co-60

MAT 2728

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

27-Co-60

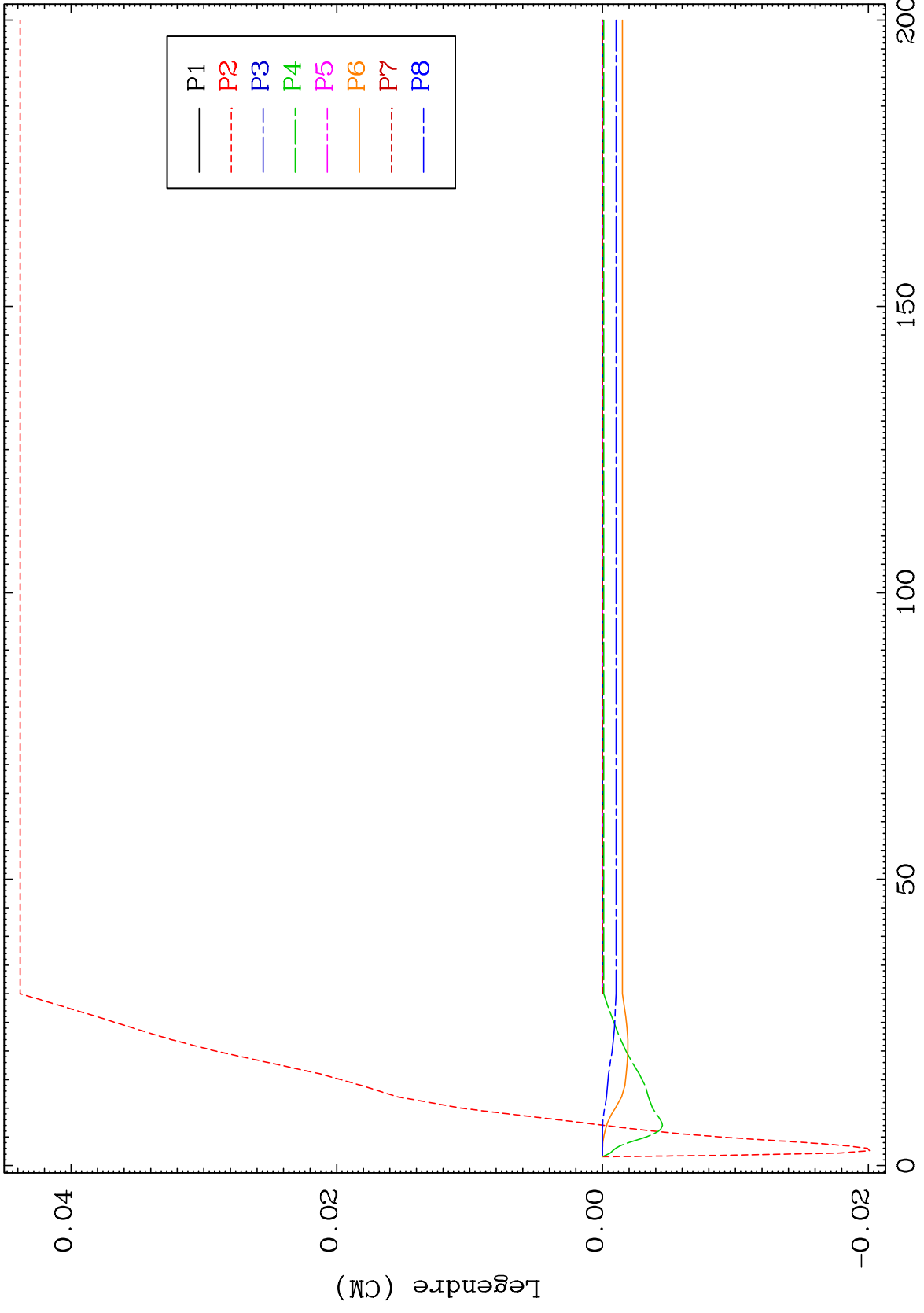


81

Incident Energy (MeV)

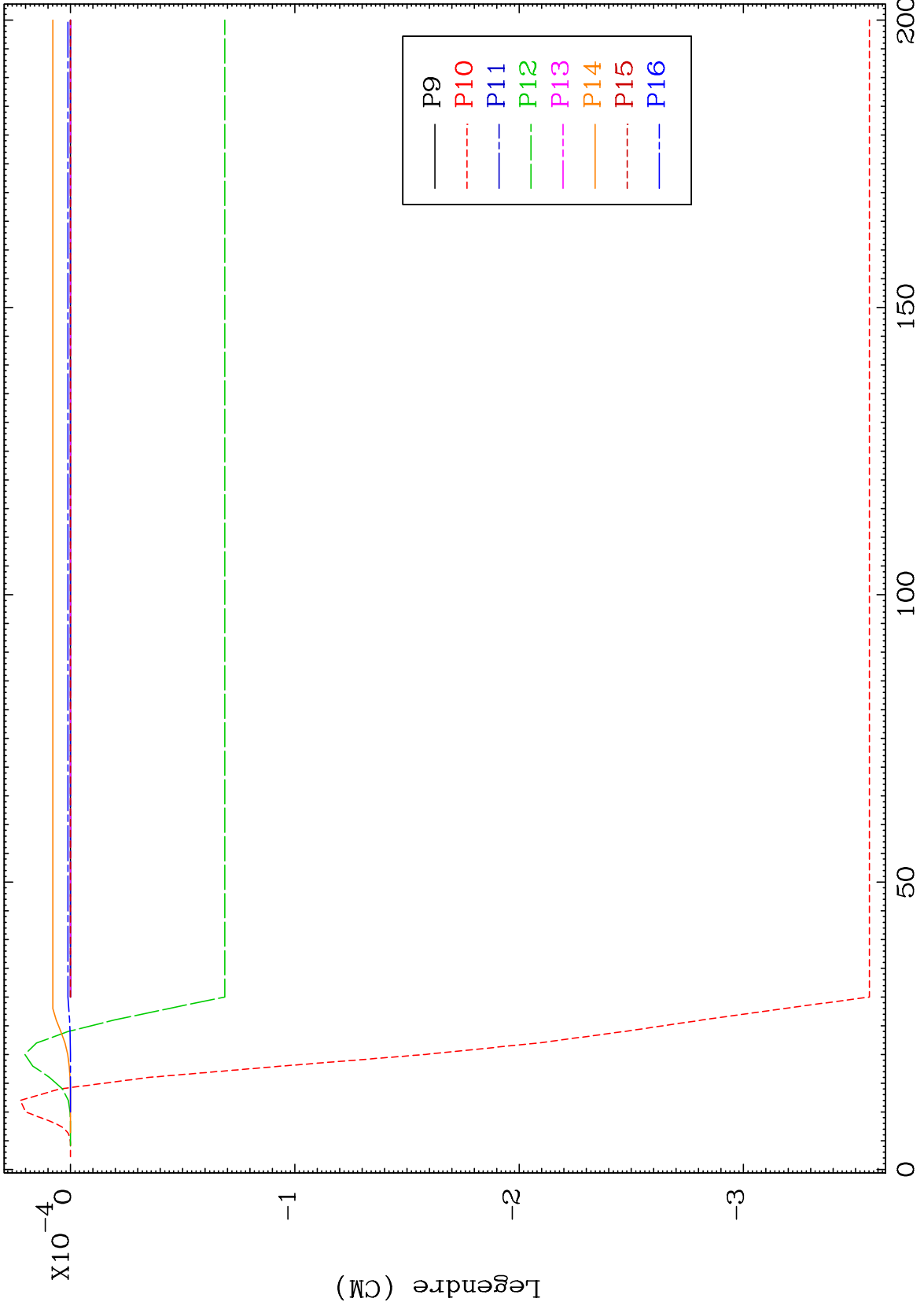
27-Co-60

MAT 2728 MT= 72 (n,n') Level Legendre Coefficients 27-Co-60

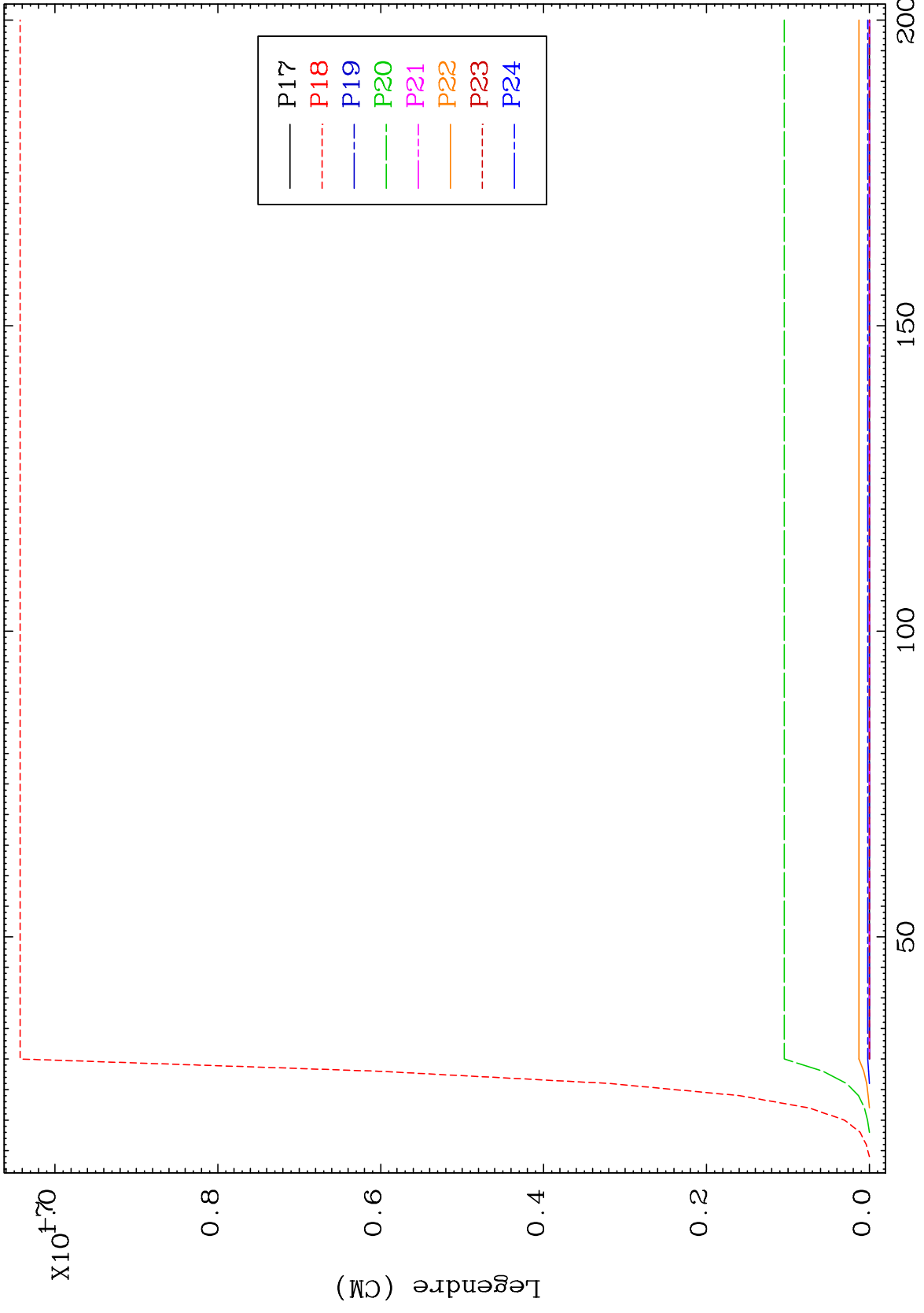


82 27-Co-60

MAT 2728 MT= 72 (n,n') Level Legendre Coefficients 27-Co-60

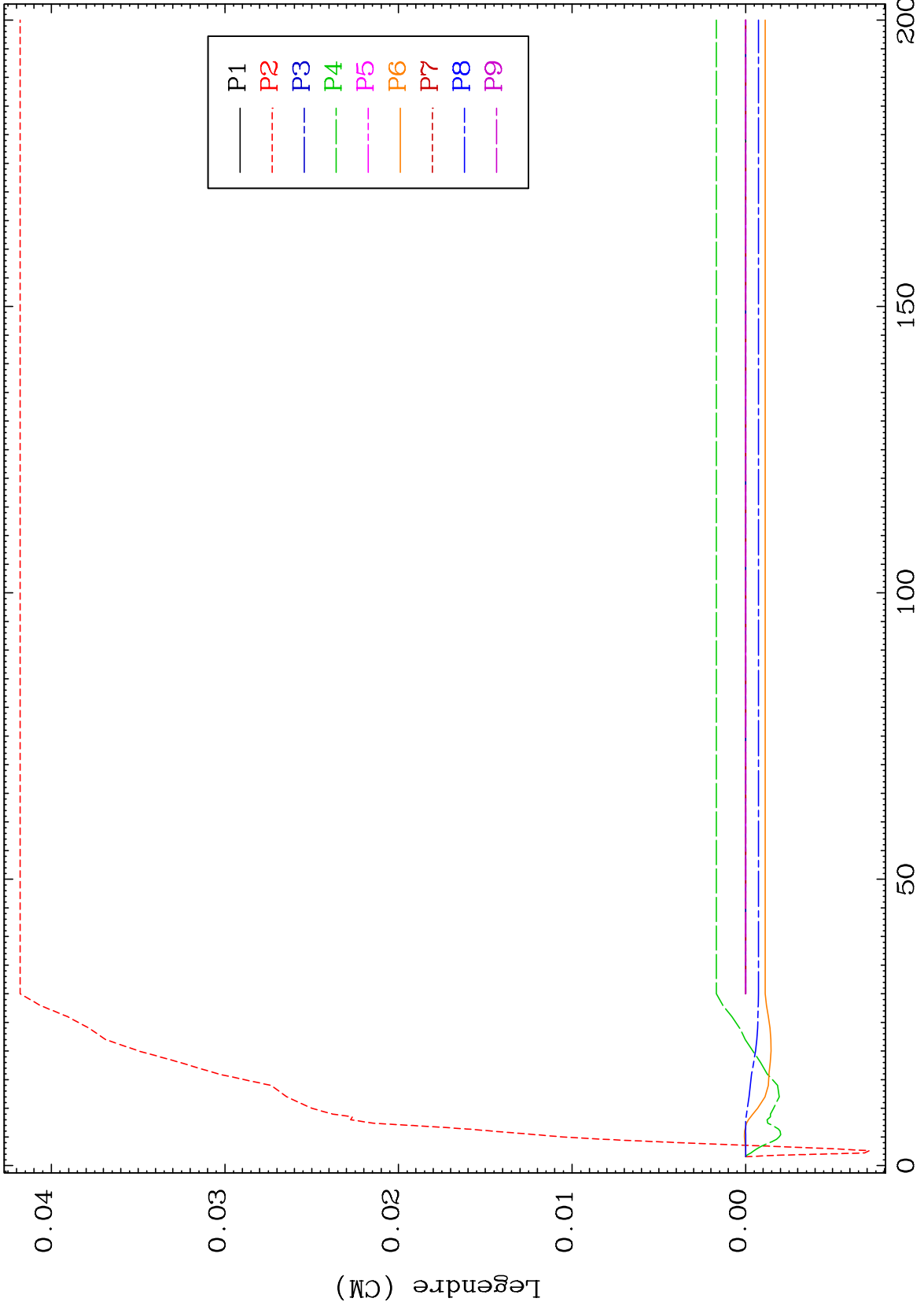


MAT 2728 MT= 72 (n,n') Level Legendre Coefficients 27-Co-60



84 27-Co-60

MAT 2728 MT= 73 (n,n') Level Legendre Coefficients 27-Co-60

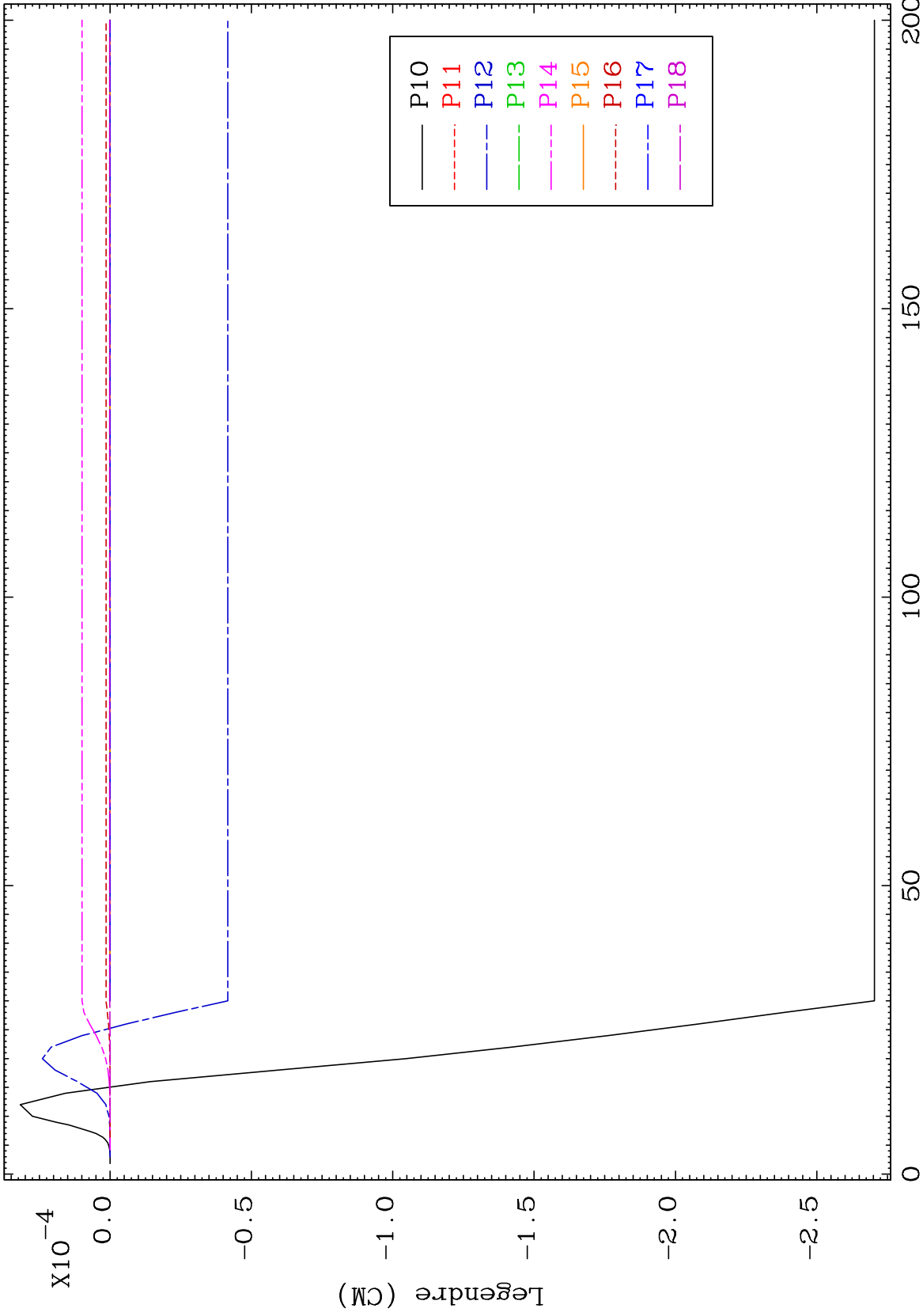


85 Incident Energy (MeV) 27-Co-60

MAT 2728

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

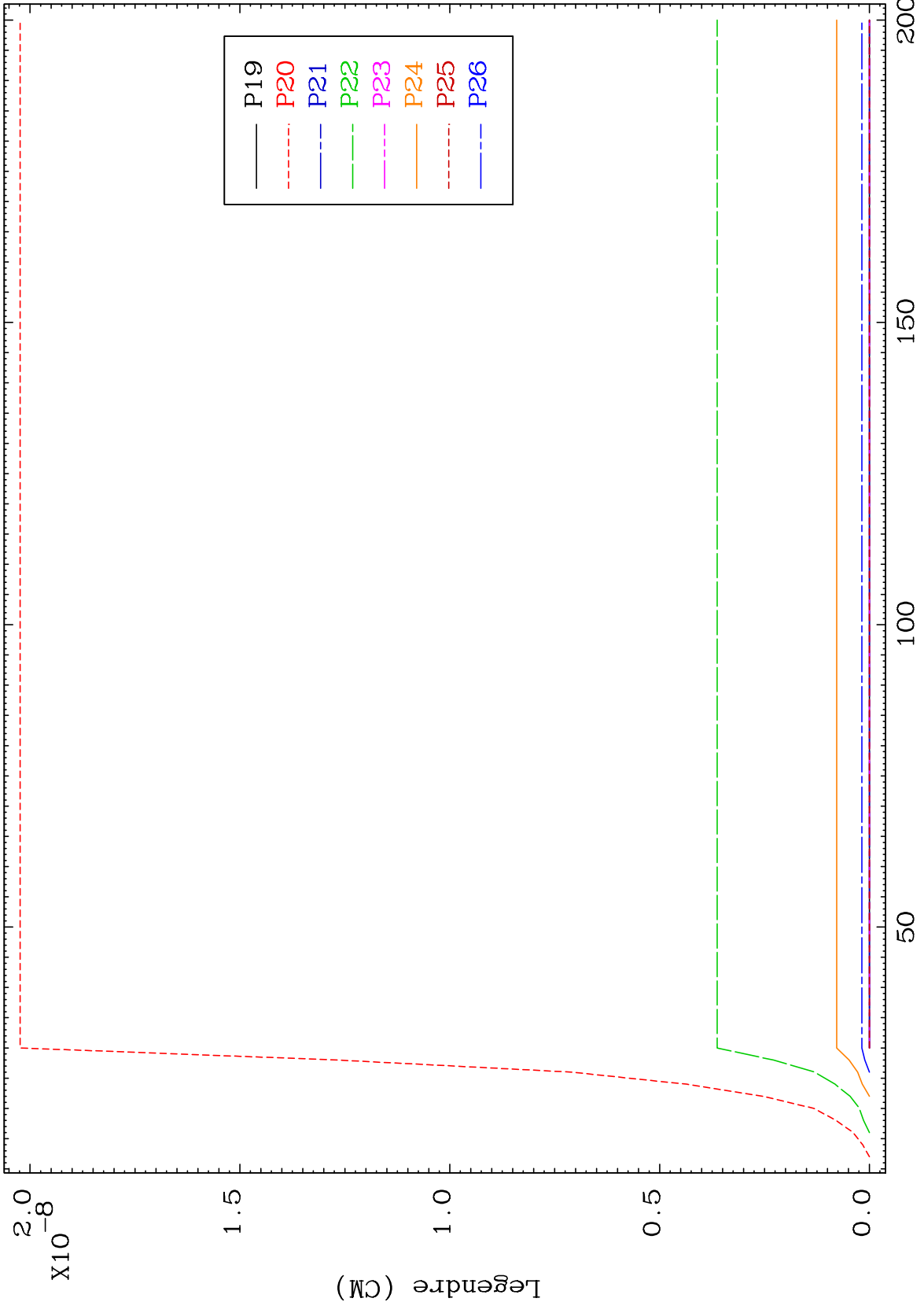
27-Co-60



86

27-Co-60

MAT 2728 MT= 73 (n,n') Level Legendre Coefficients 27-Co-60



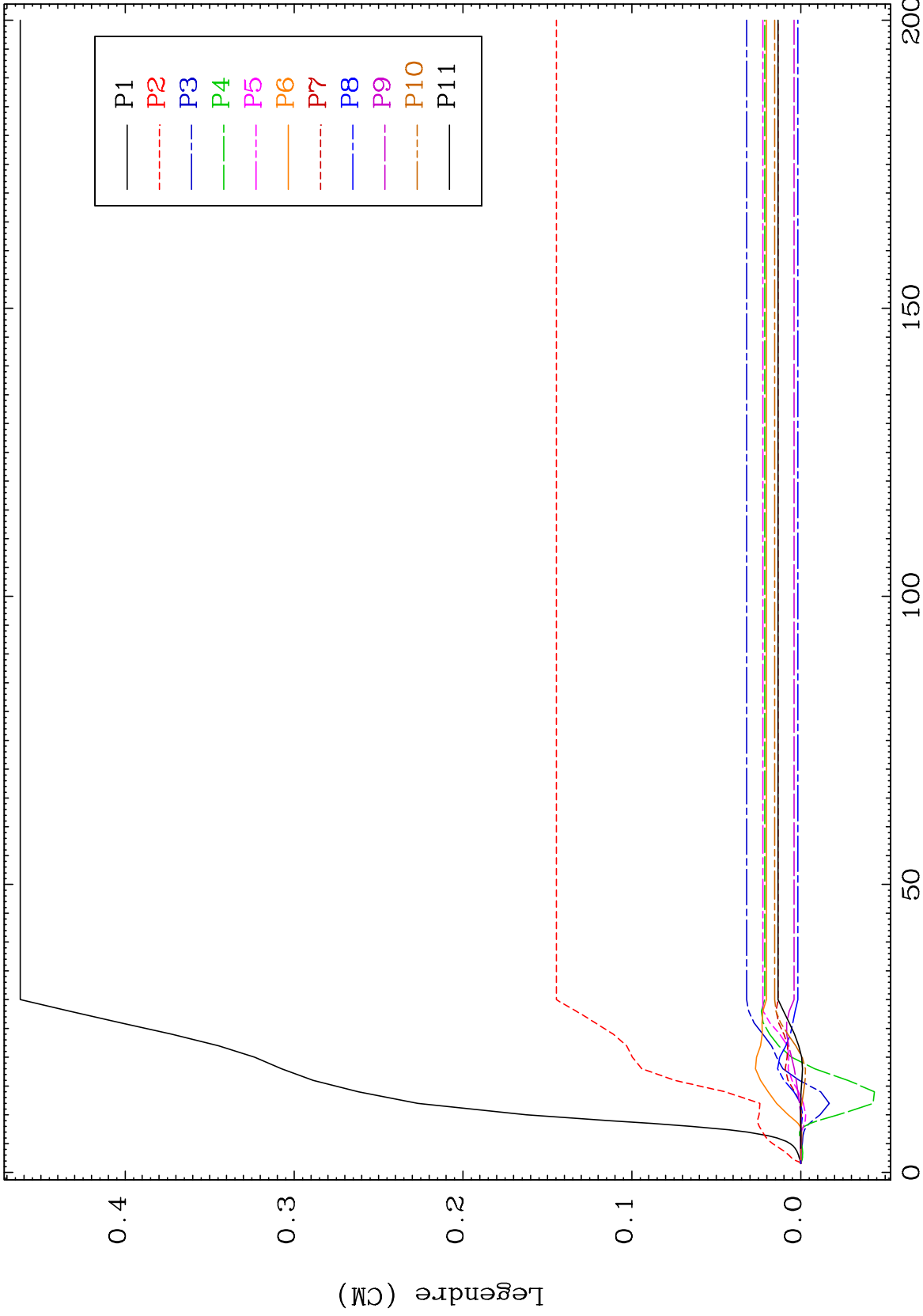
87 27-Co-60



MAT 2728

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

27-Co-60



88

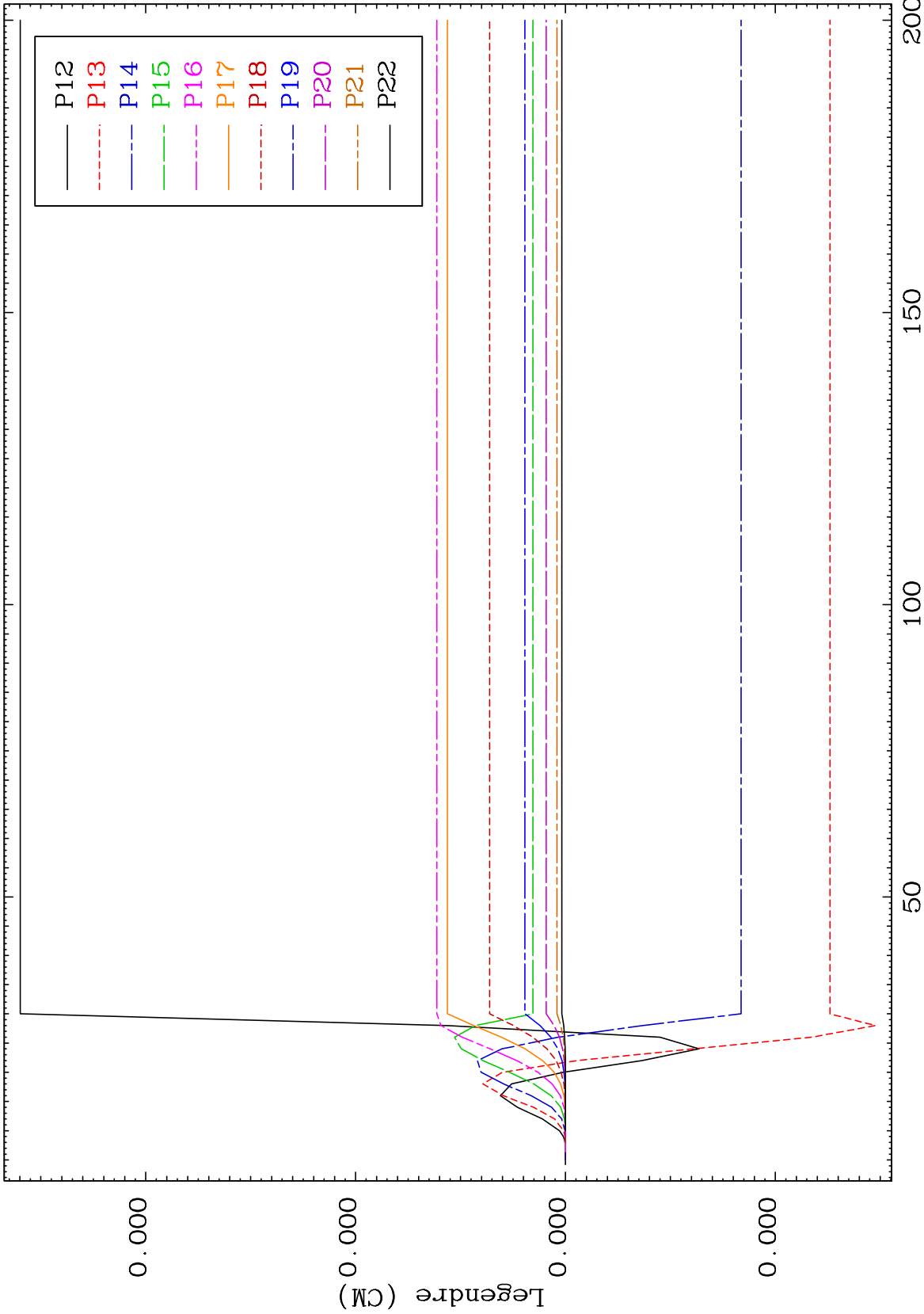
Incident Energy (MeV)

27-Co-60

MAT 2728

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

27-Co-60



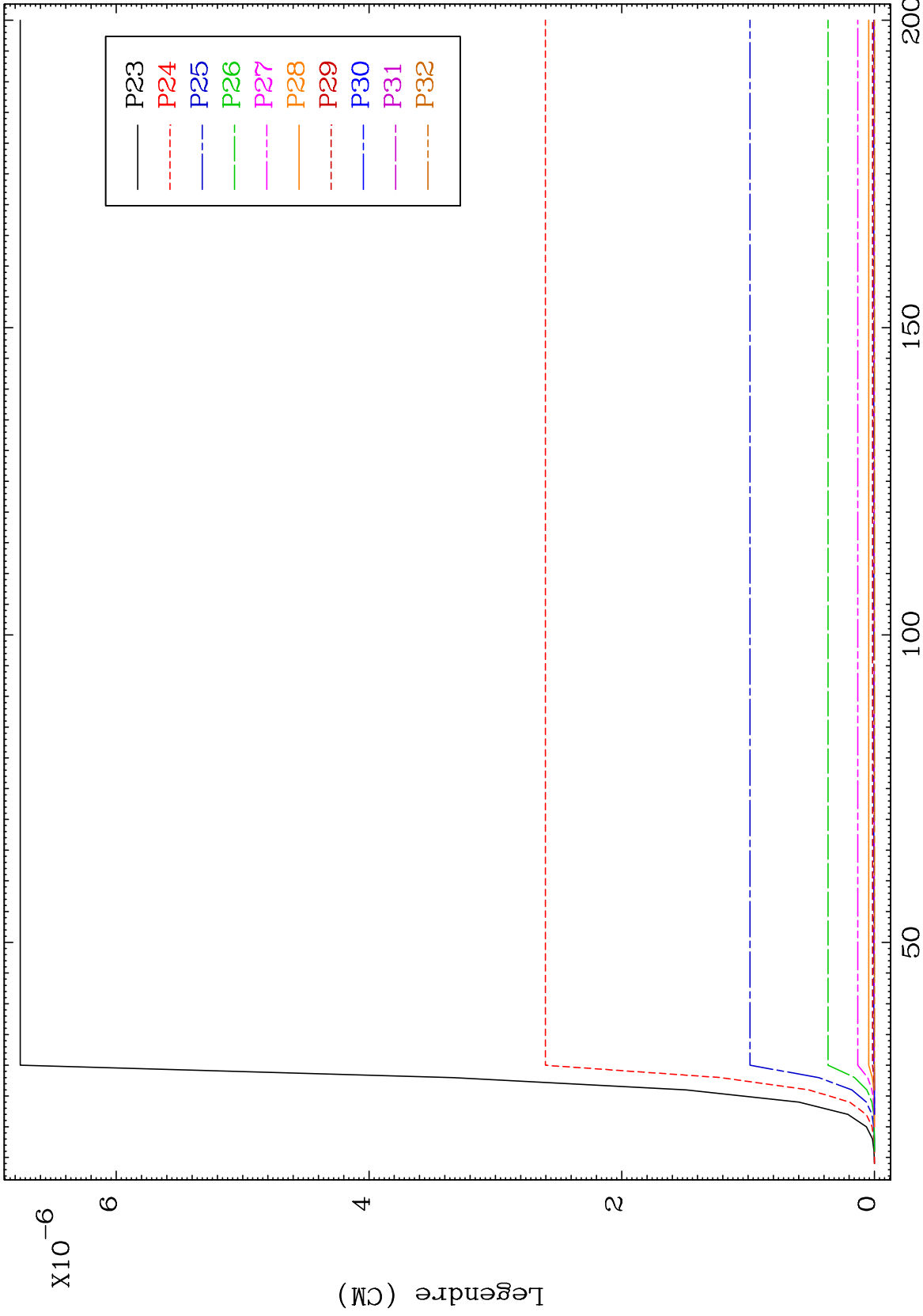
89

27-Co-60

MAT 2728

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

27-Co-60



90

50

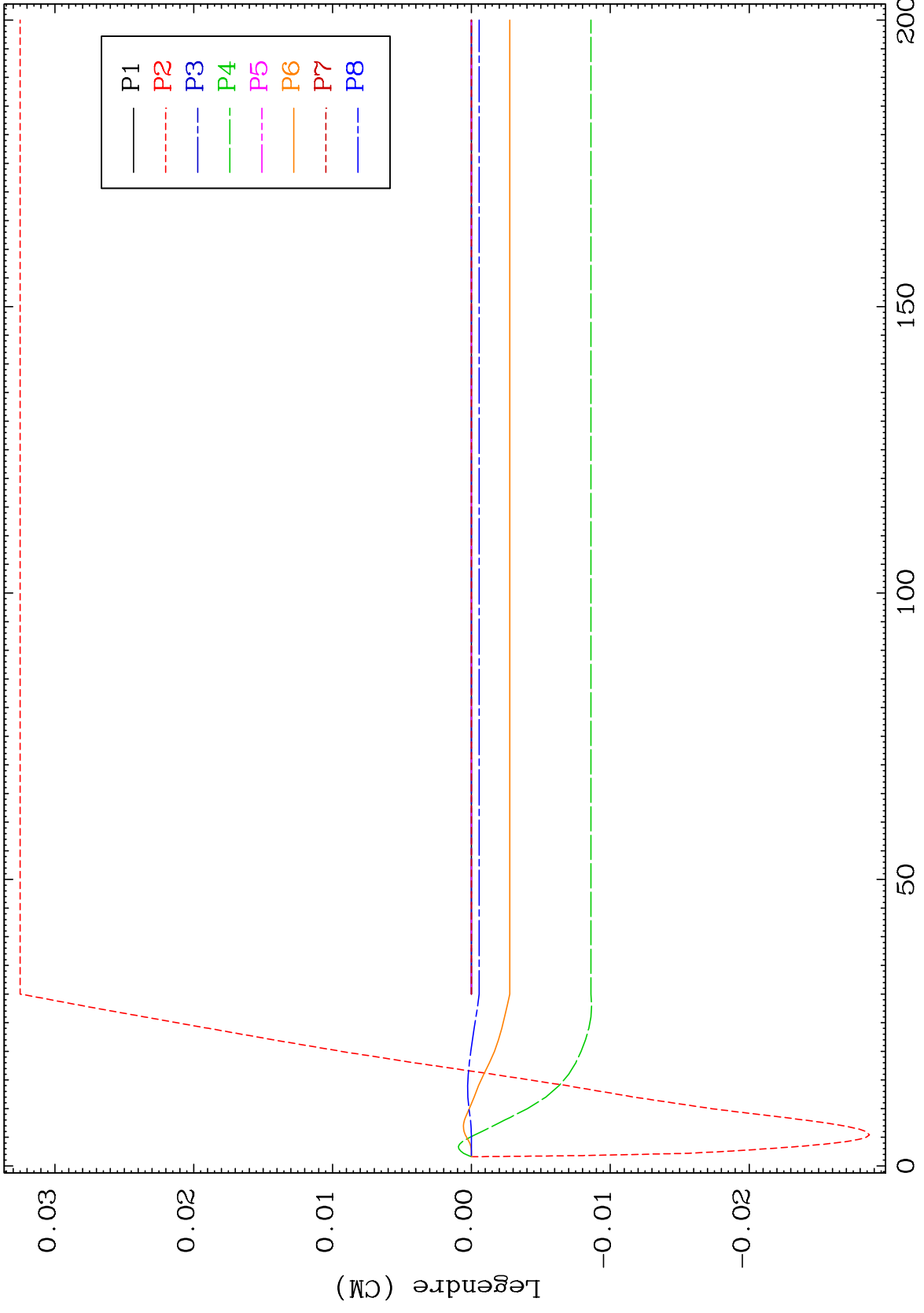
100

150

200

27-Co-60

MAT 2728 MT= 75 (n,n') Level Legendre Coefficients 27-Co-60

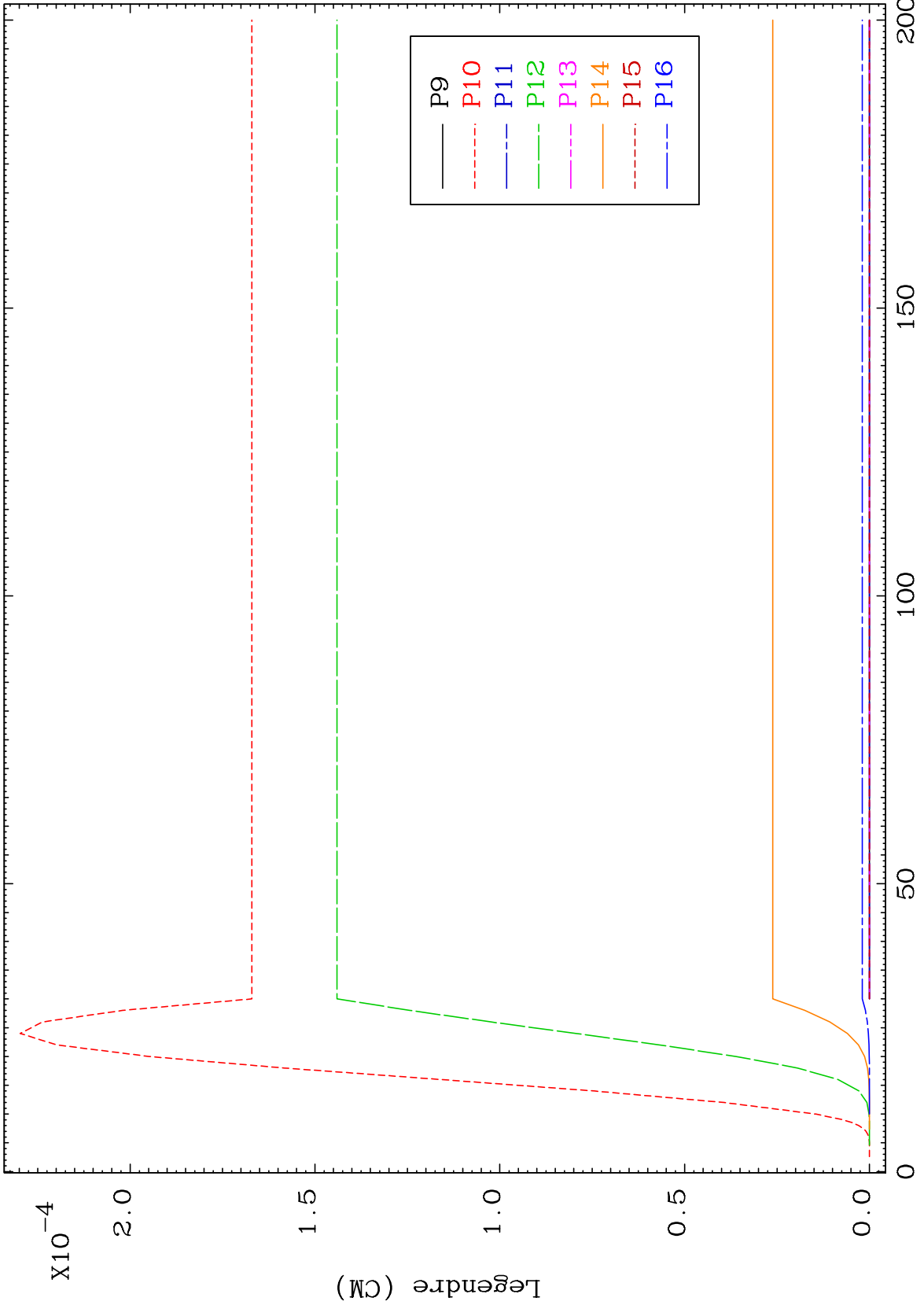


91 27-Co-60

MAT 2728

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

27-Co-60

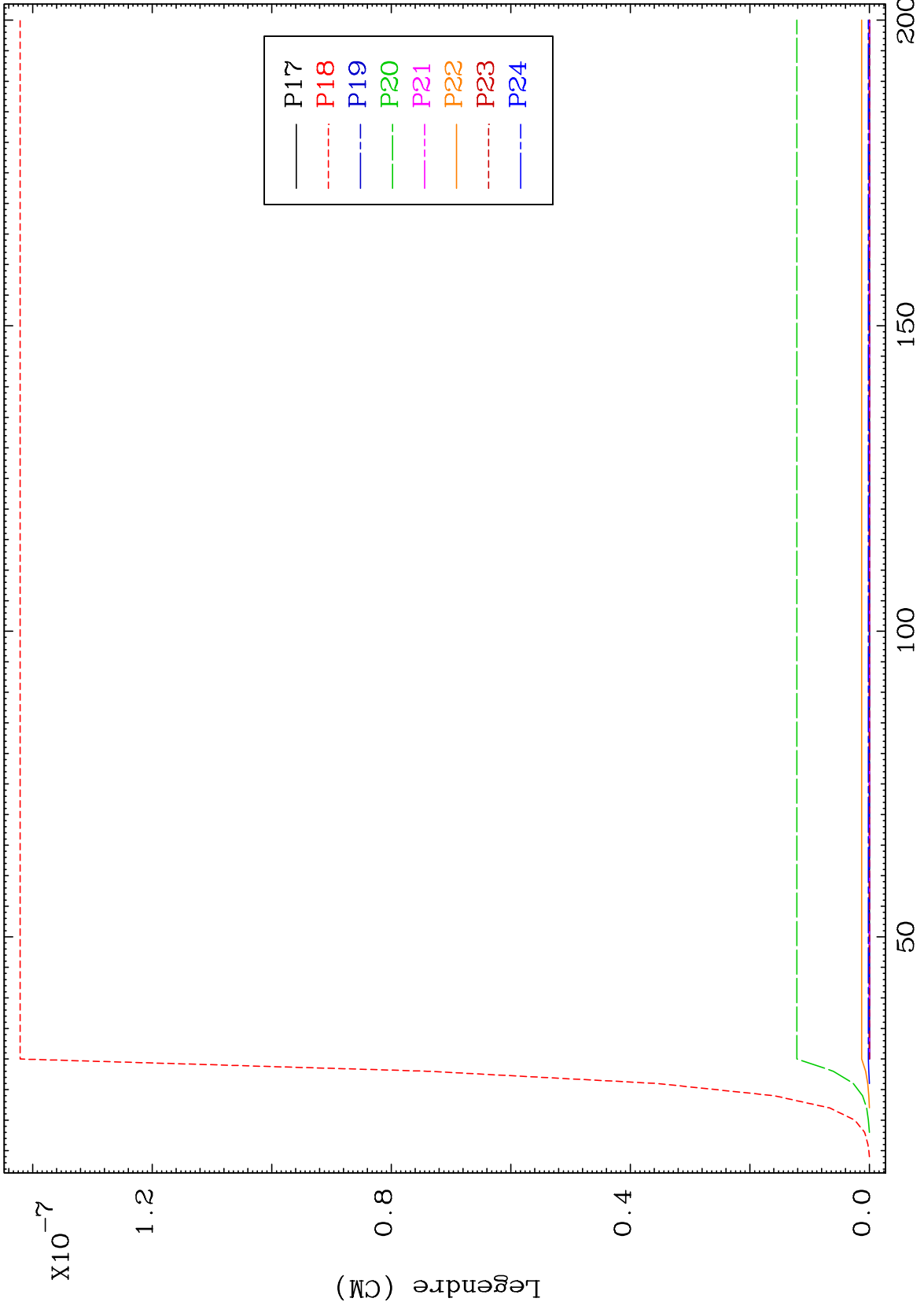


92

Incident Energy (MeV)

27-Co-60

MAT 2728 MT= 75 (n,n') Level Legendre Coefficients 27-Co-60

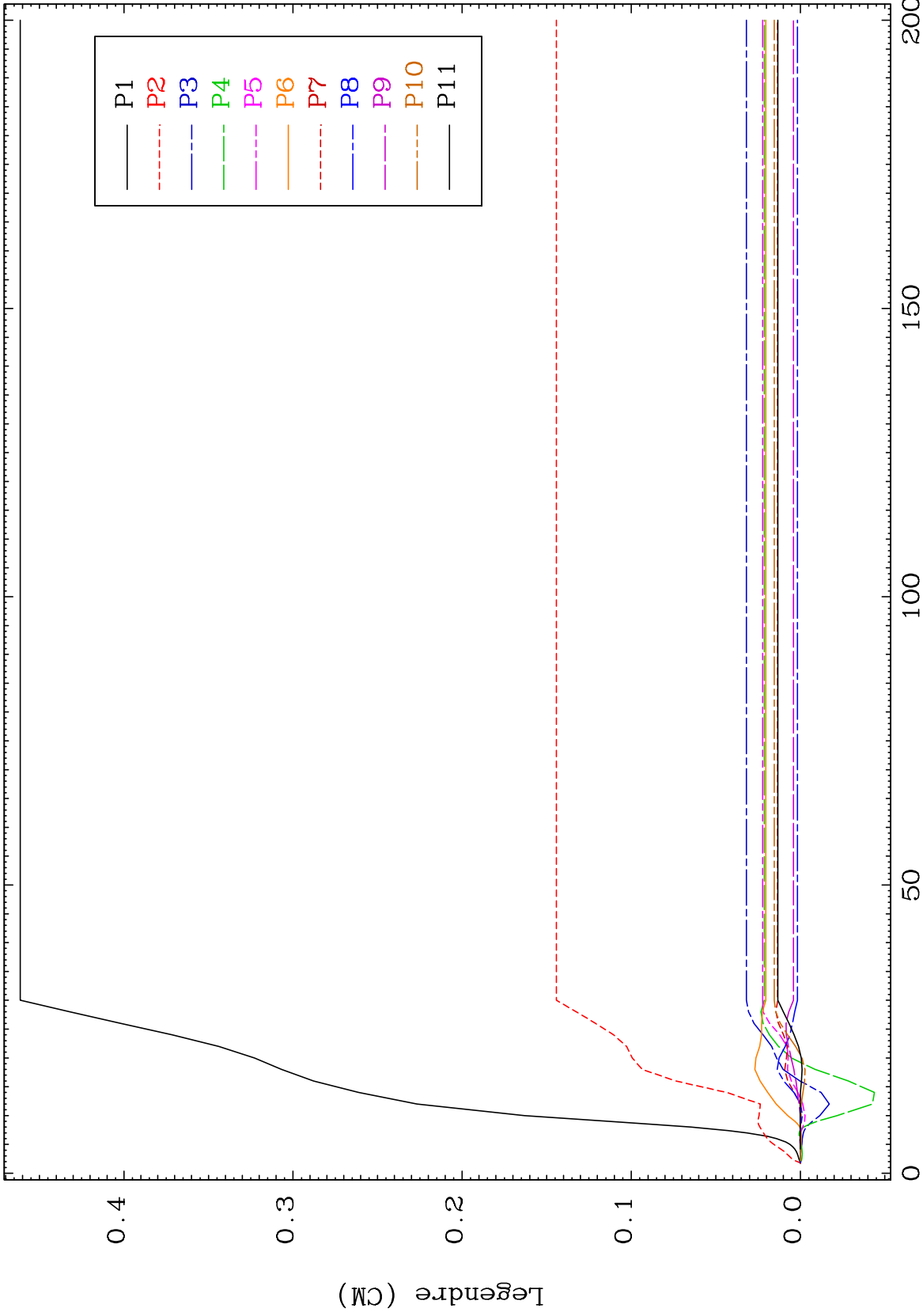


93 27-Co-60

MAT 2728

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

27-Co-60



94

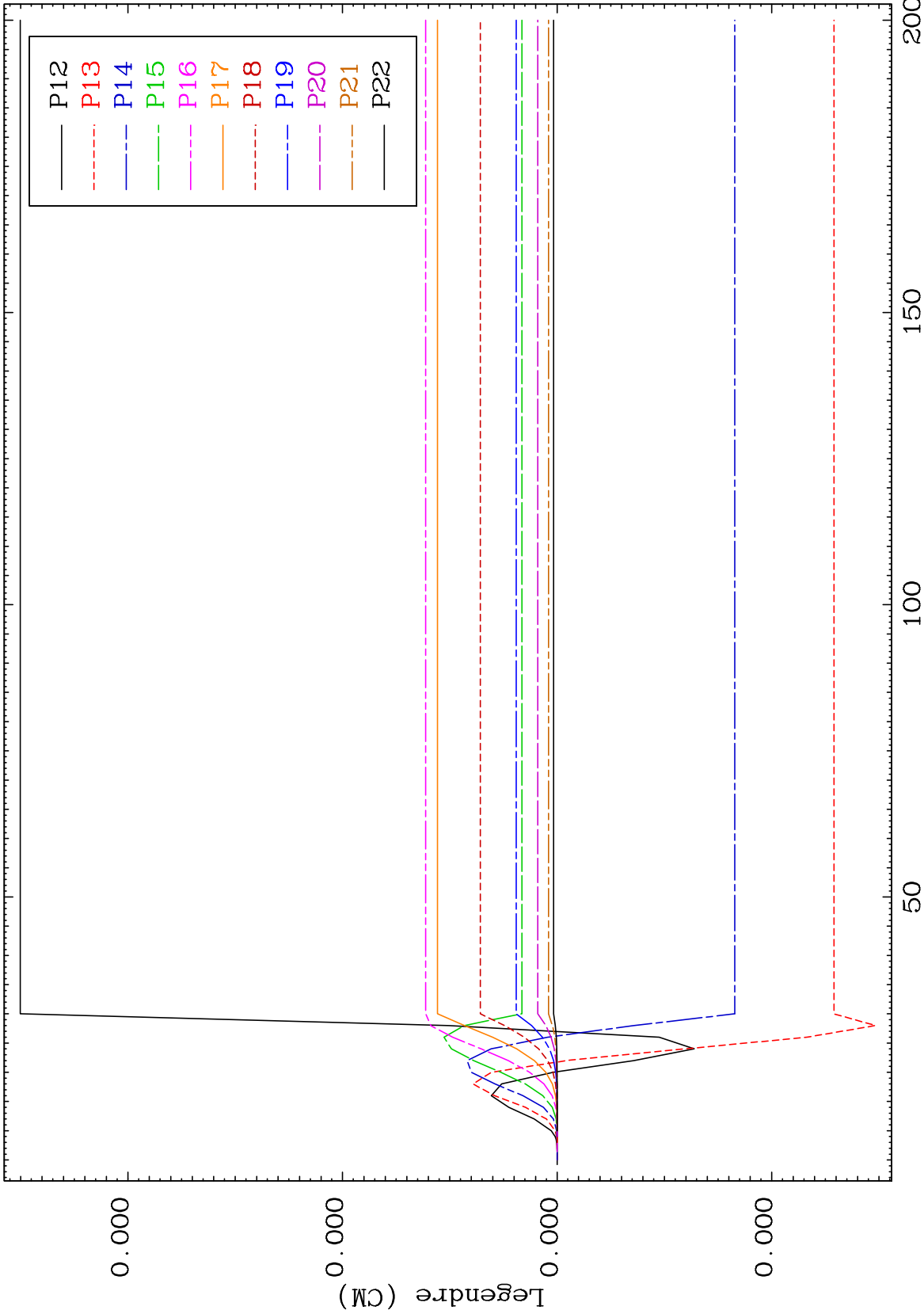
Incident Energy (MeV)

27-Co-60

MAT 2728

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

27-Co-60



95

Incident Energy (MeV)

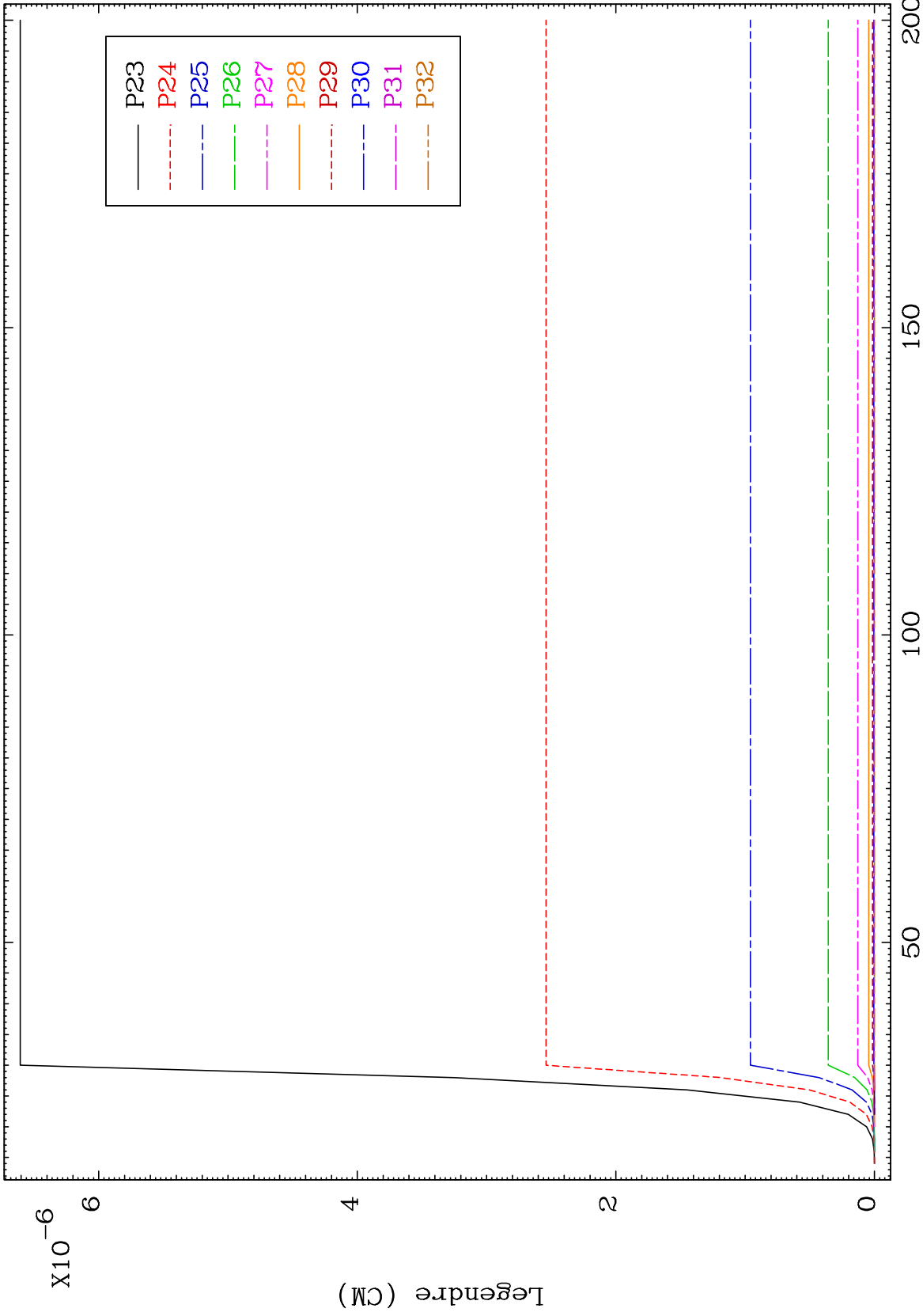
27-Co-60



MAT 2728

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

27-Co-60

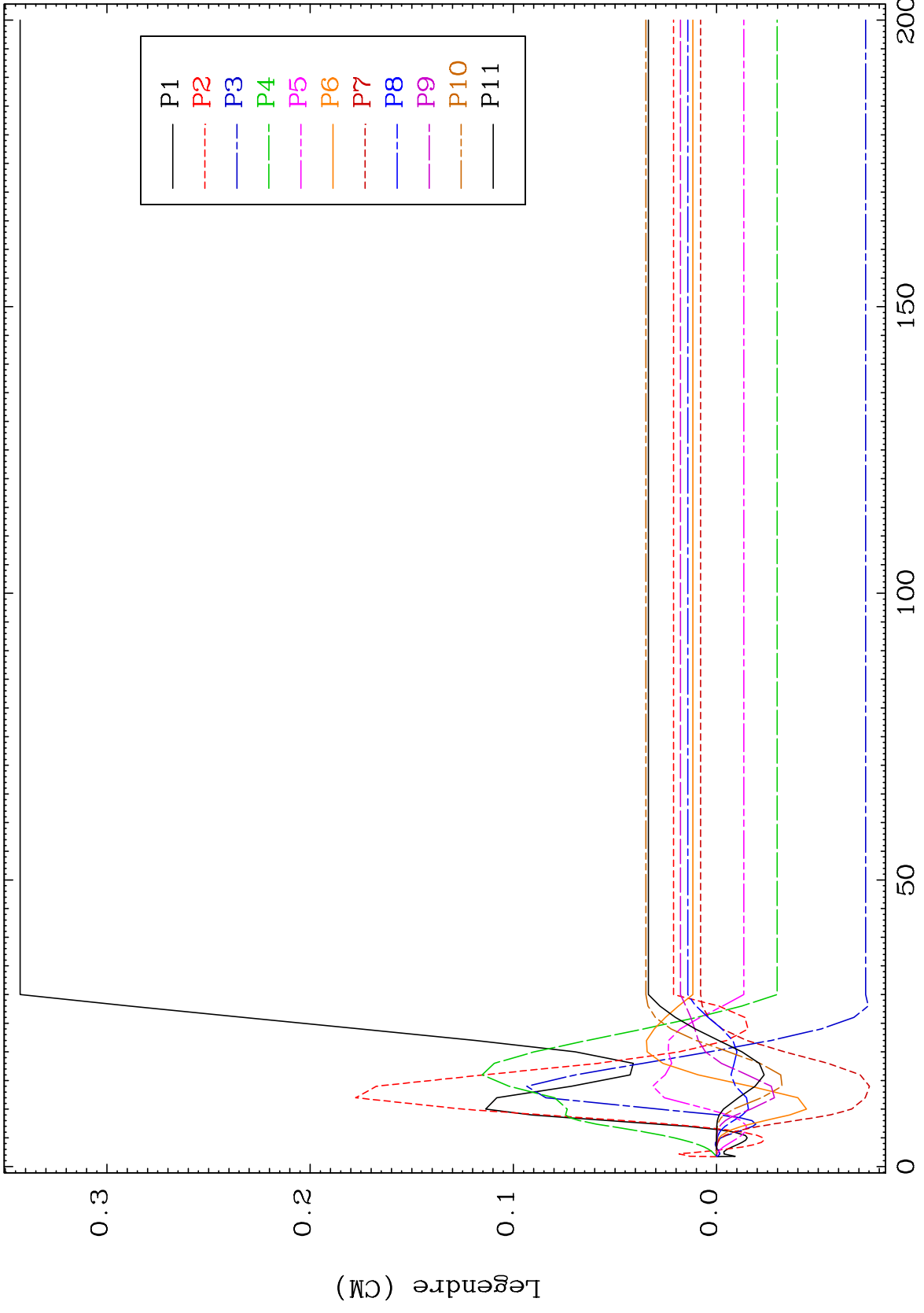


96

Incident Energy (MeV)

27-Co-60

MAT 2728 MT= 77 (n,n') Level Legendre Coefficients 27-Co-60

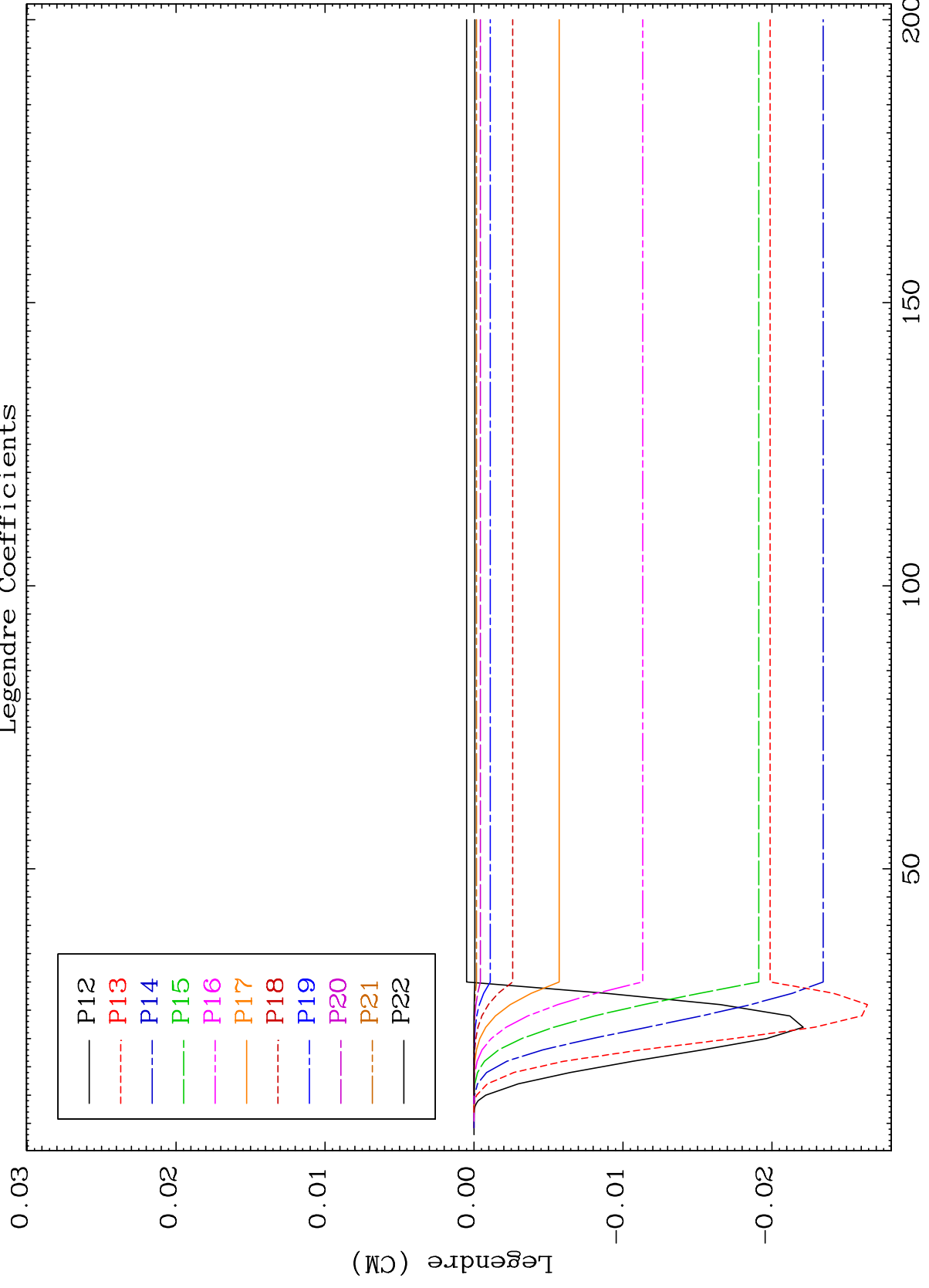


97 27-Co-60

MAT 2728

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

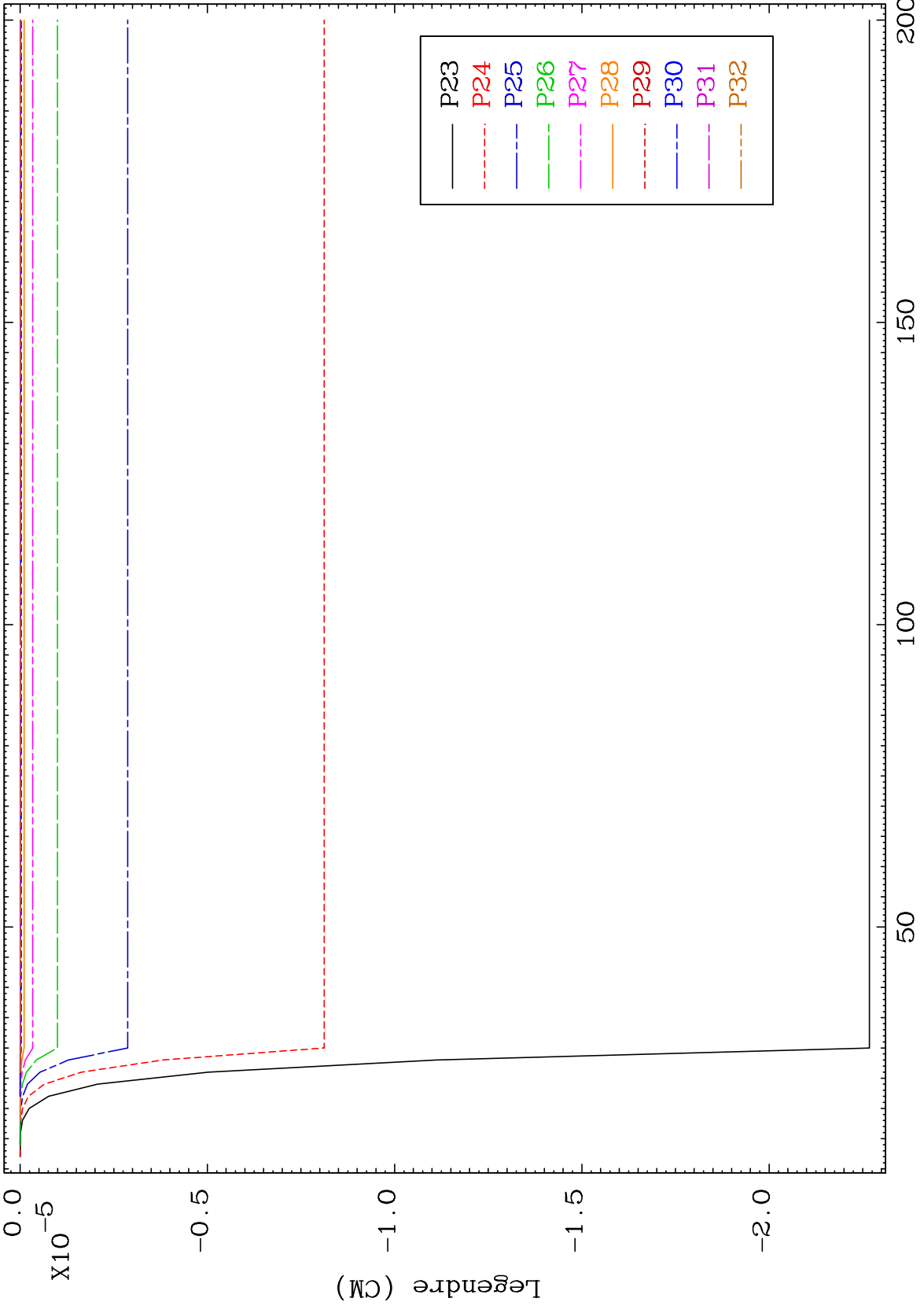
27-Co-60



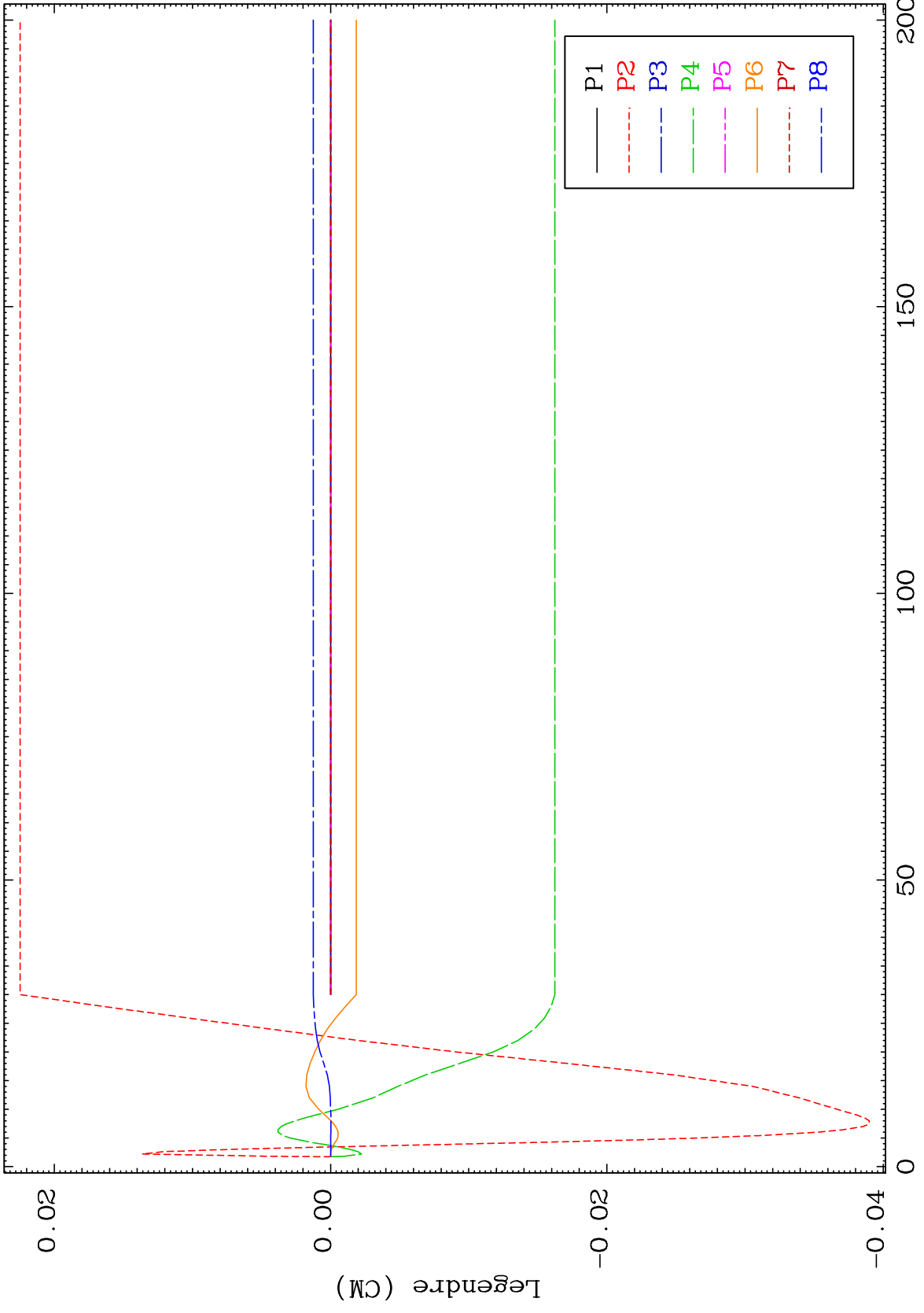
98

27-Co-60

MAT 2728 MT= 77 (n,n') Level Legendre Coefficients 27-Co-60



MAT 2728 MT= 78 (n,n') Level Legendre Coefficients 27-Co-60

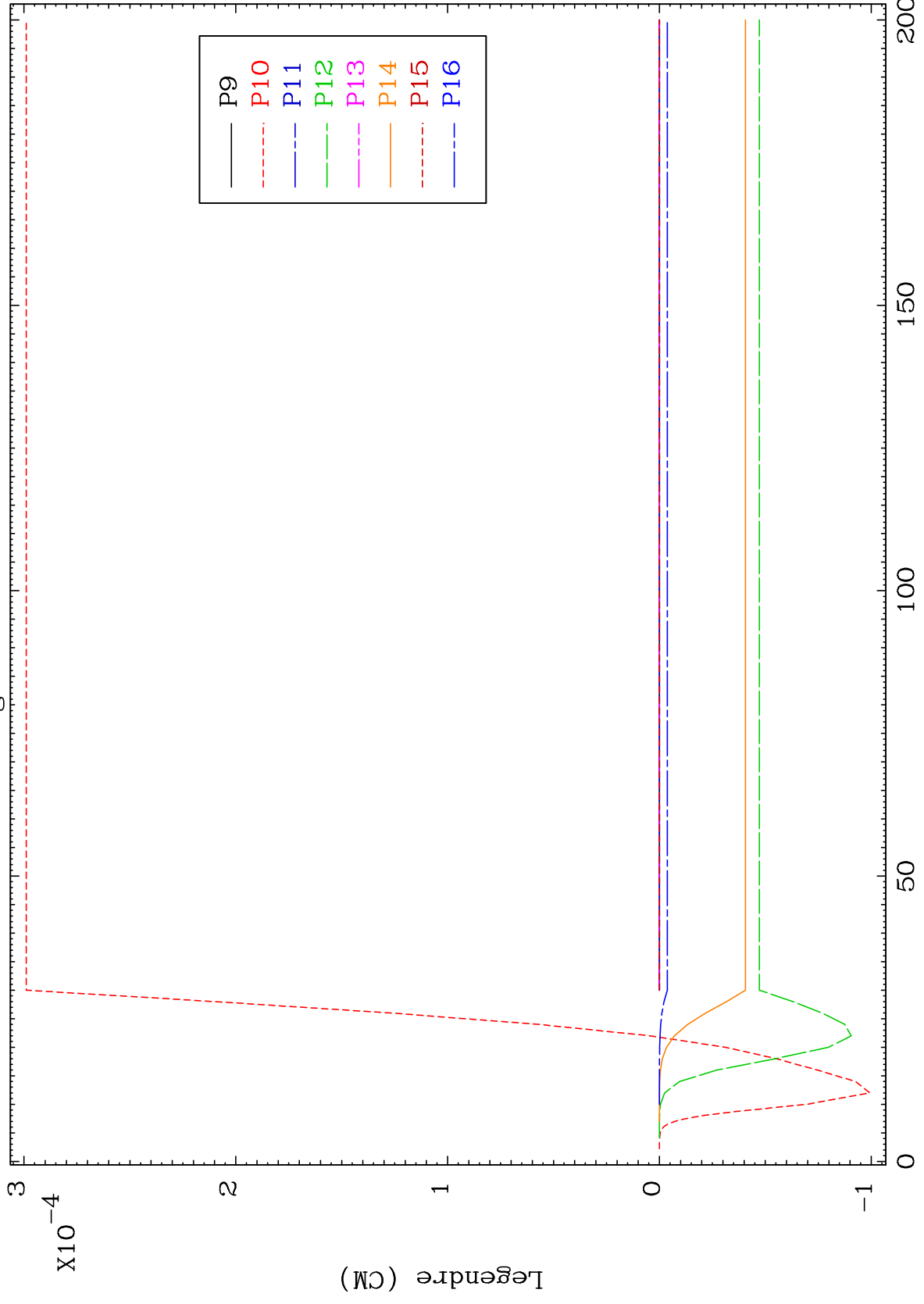


27-Co-60

Incident Energy (MeV)

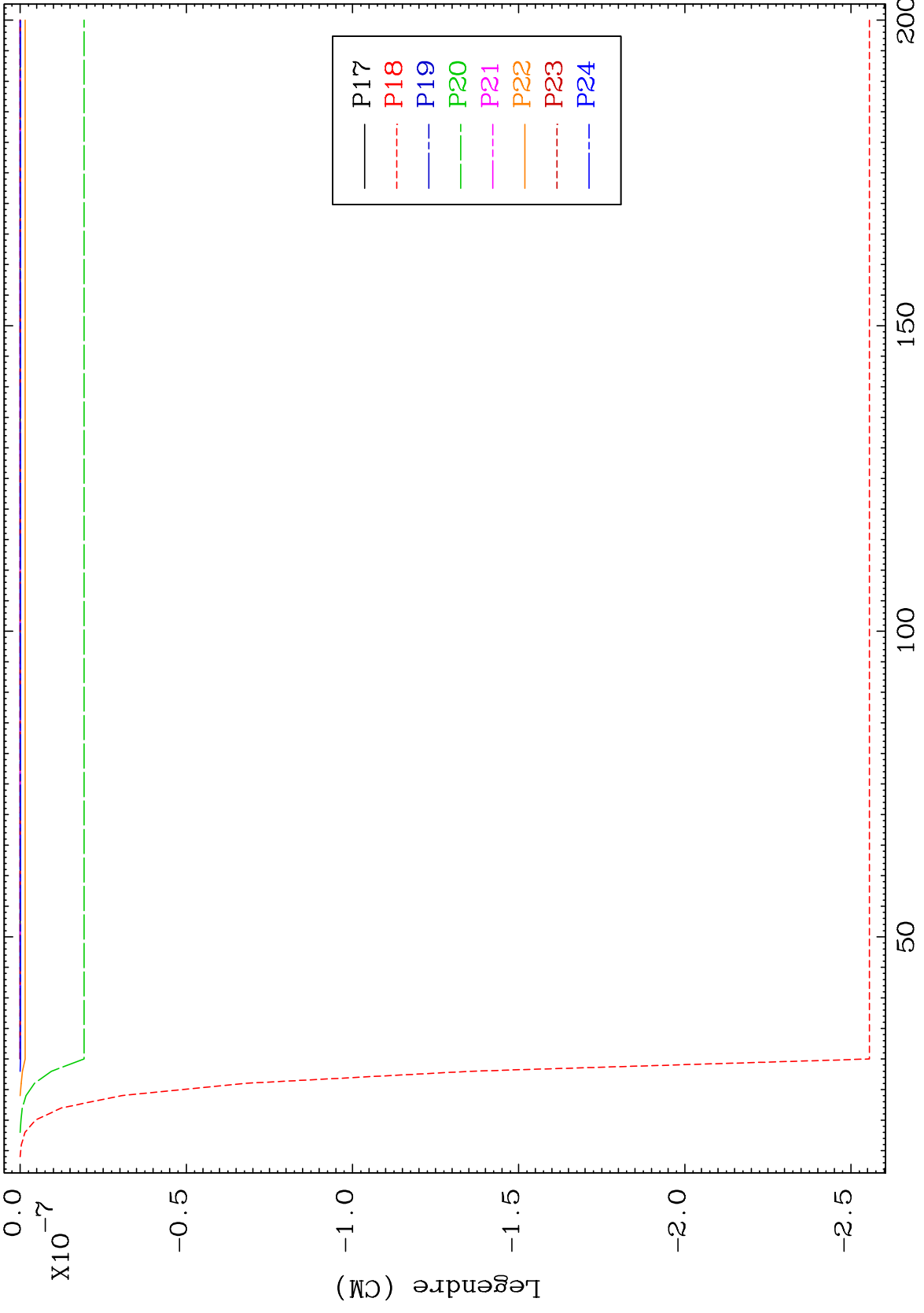
Legendre (CM)

MAT 2728 MT= 78 (n,n') Level Legendre Coefficients 27-Co-60

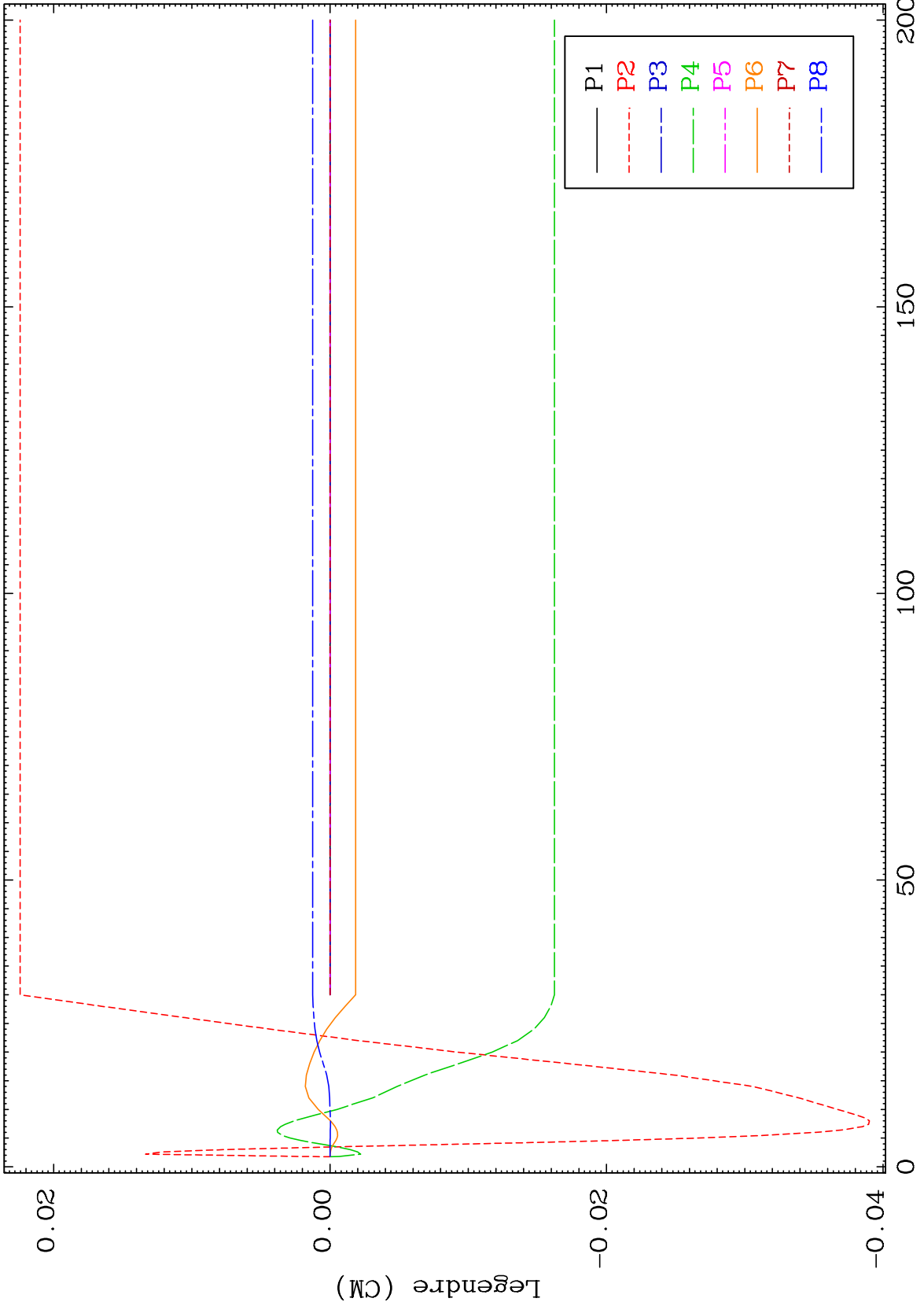


101 Incident Energy (MeV) 27-Co-60

MAT 2728 MT= 78 (n,n') Level Legendre Coefficients 27-Co-60



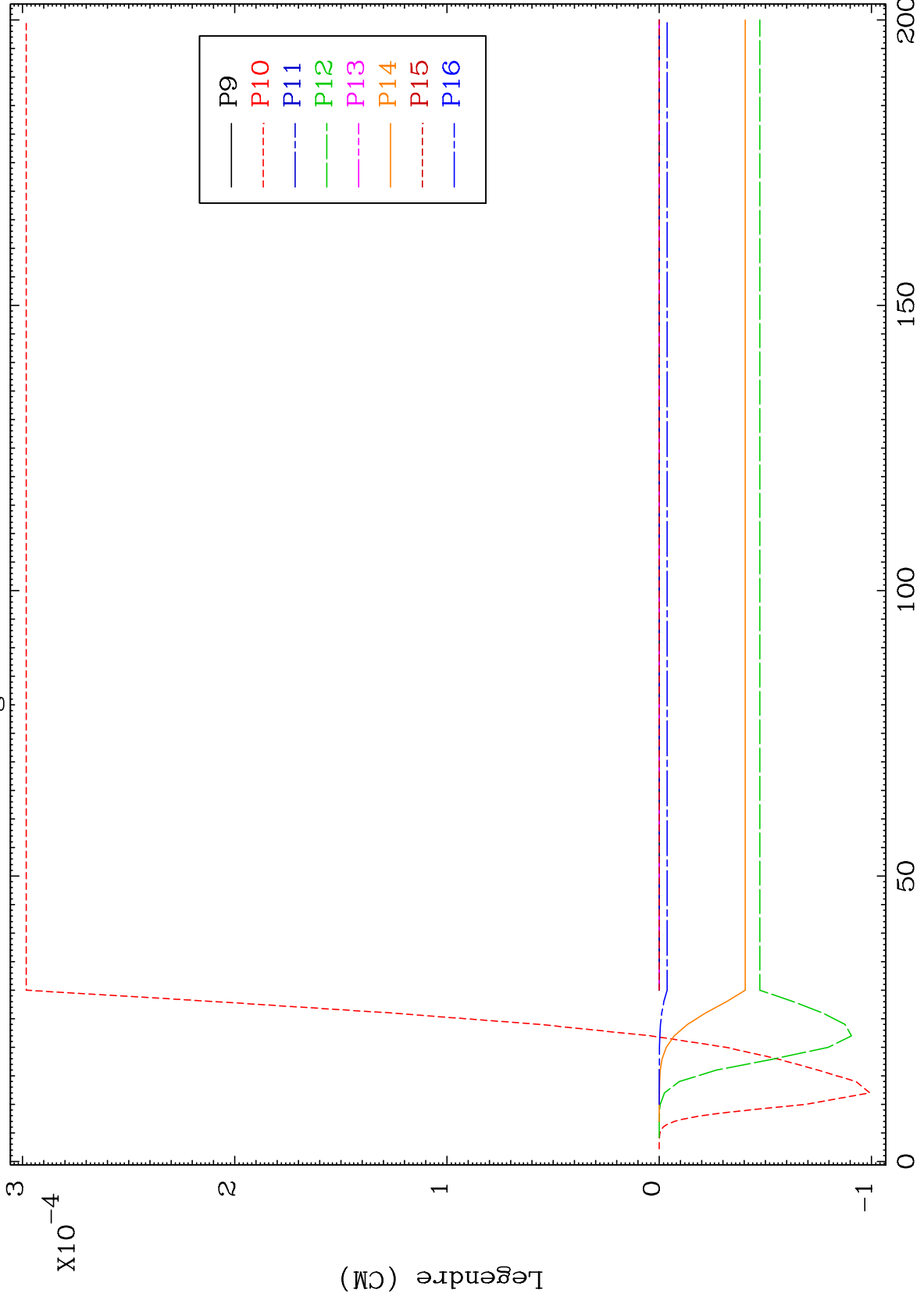
MAT 2728 MT= 79 (n,n') Level Legendre Coefficients 27-Co-60



103 Incident Energy (MeV) 27-Co-60

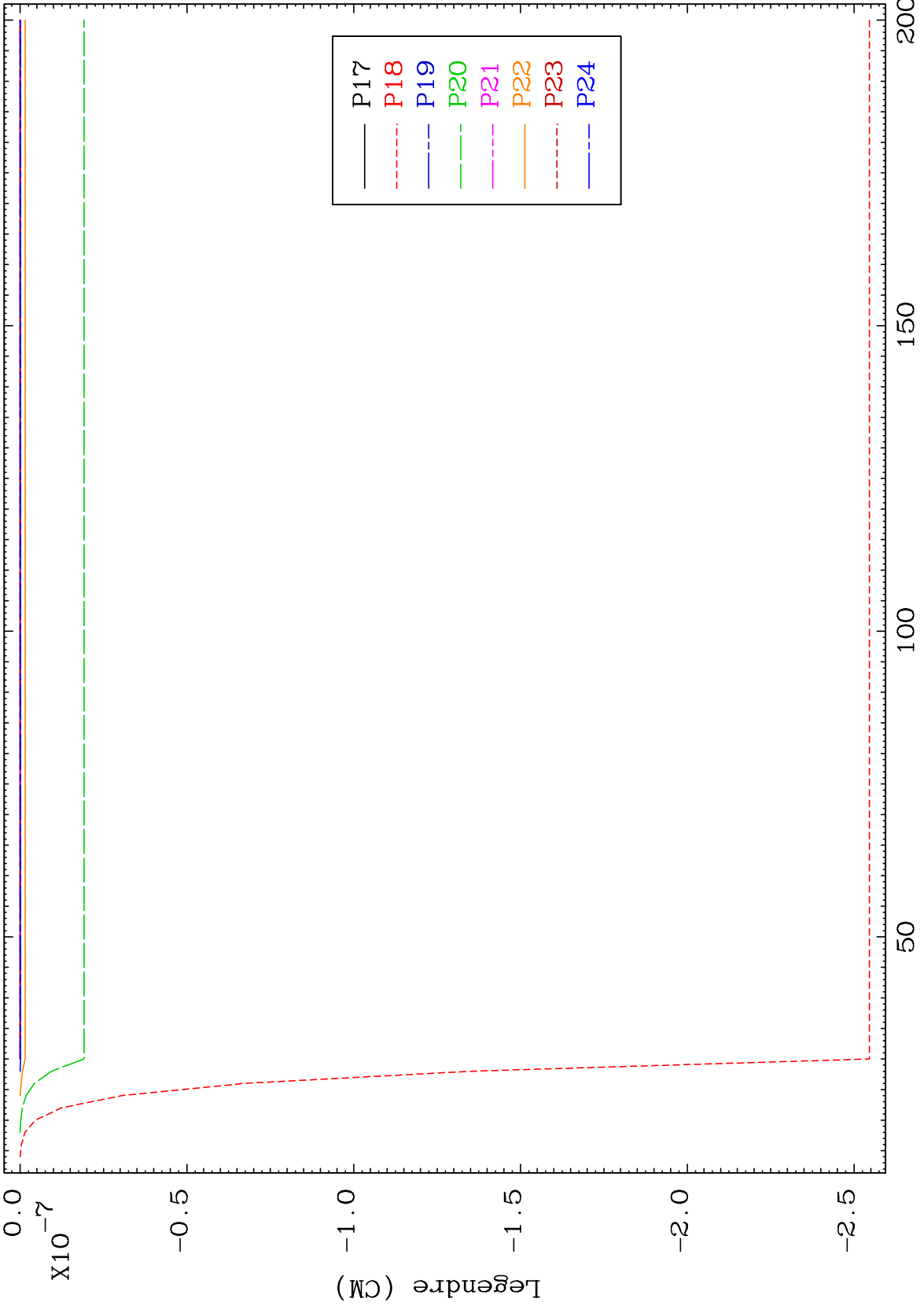


MAT 2728 MT= 79 (n,n') Level Legendre Coefficients 27-Co-60



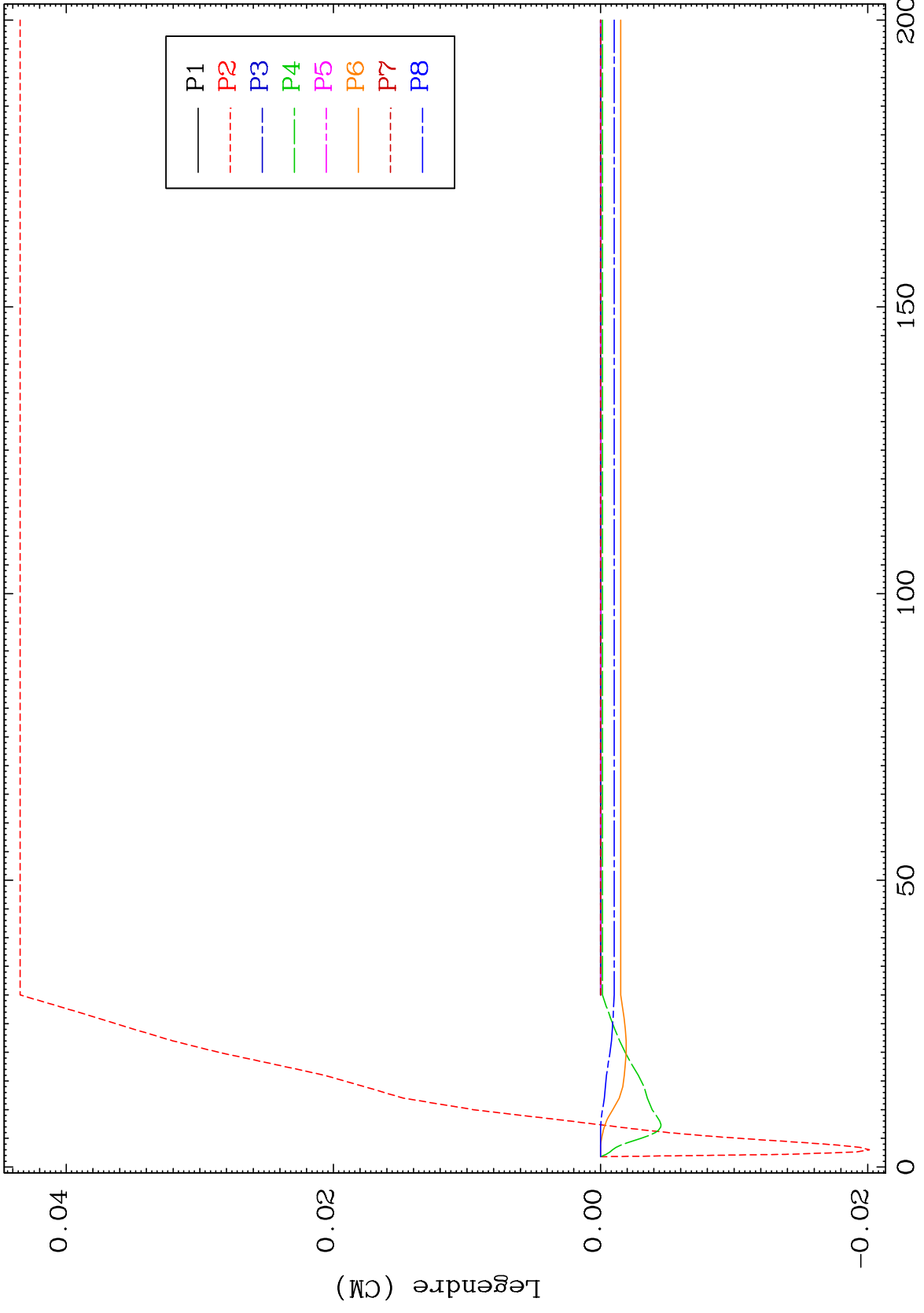
104 27-Co-60

MAT 2728 MT= 79 (n,n') Level Legendre Coefficients 27-Co-60



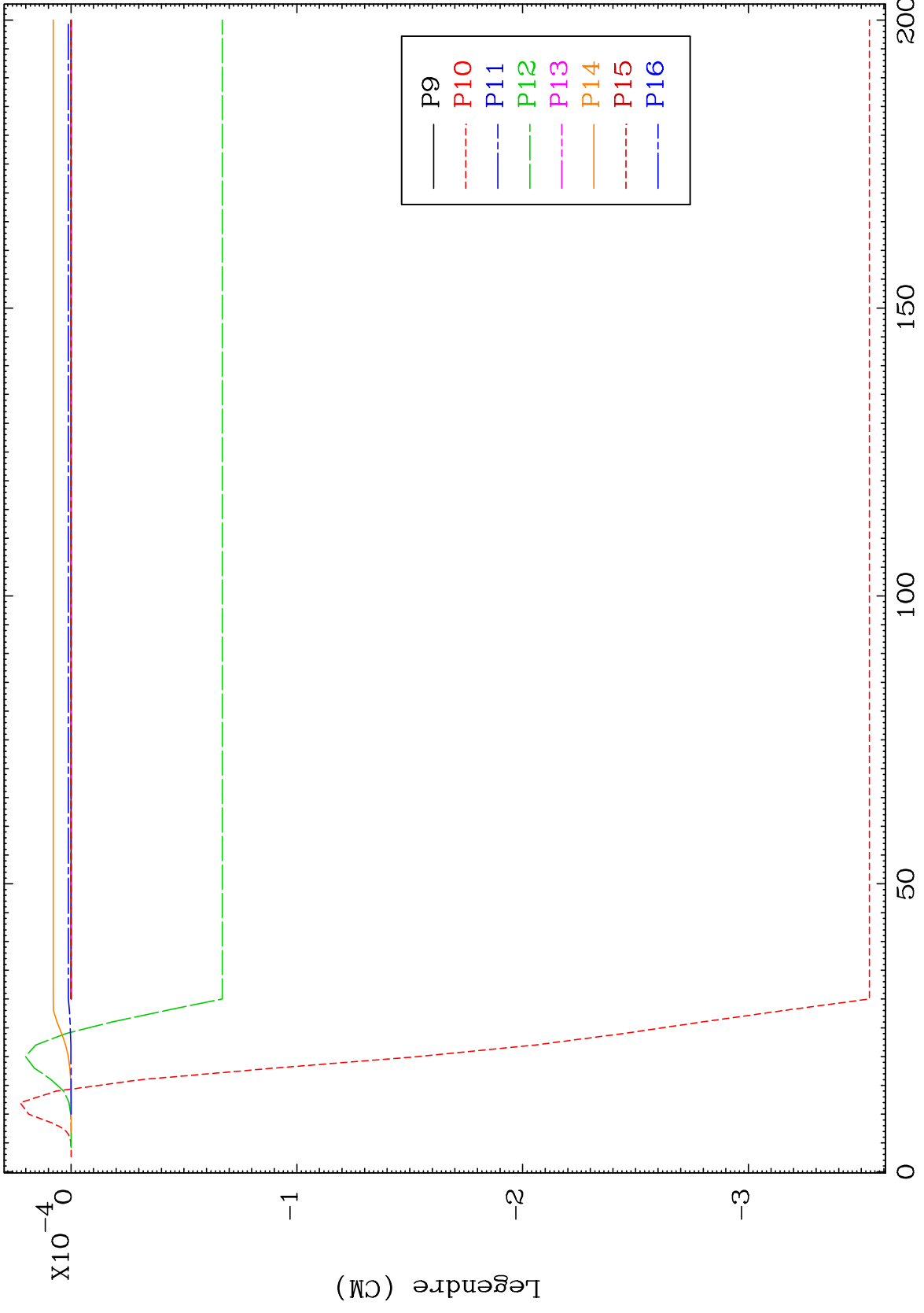
105 Incident Energy (MeV) 27-Co-60

MAT 2728 MT= 80 (n,n') Level Legendre Coefficients 27-Co-60



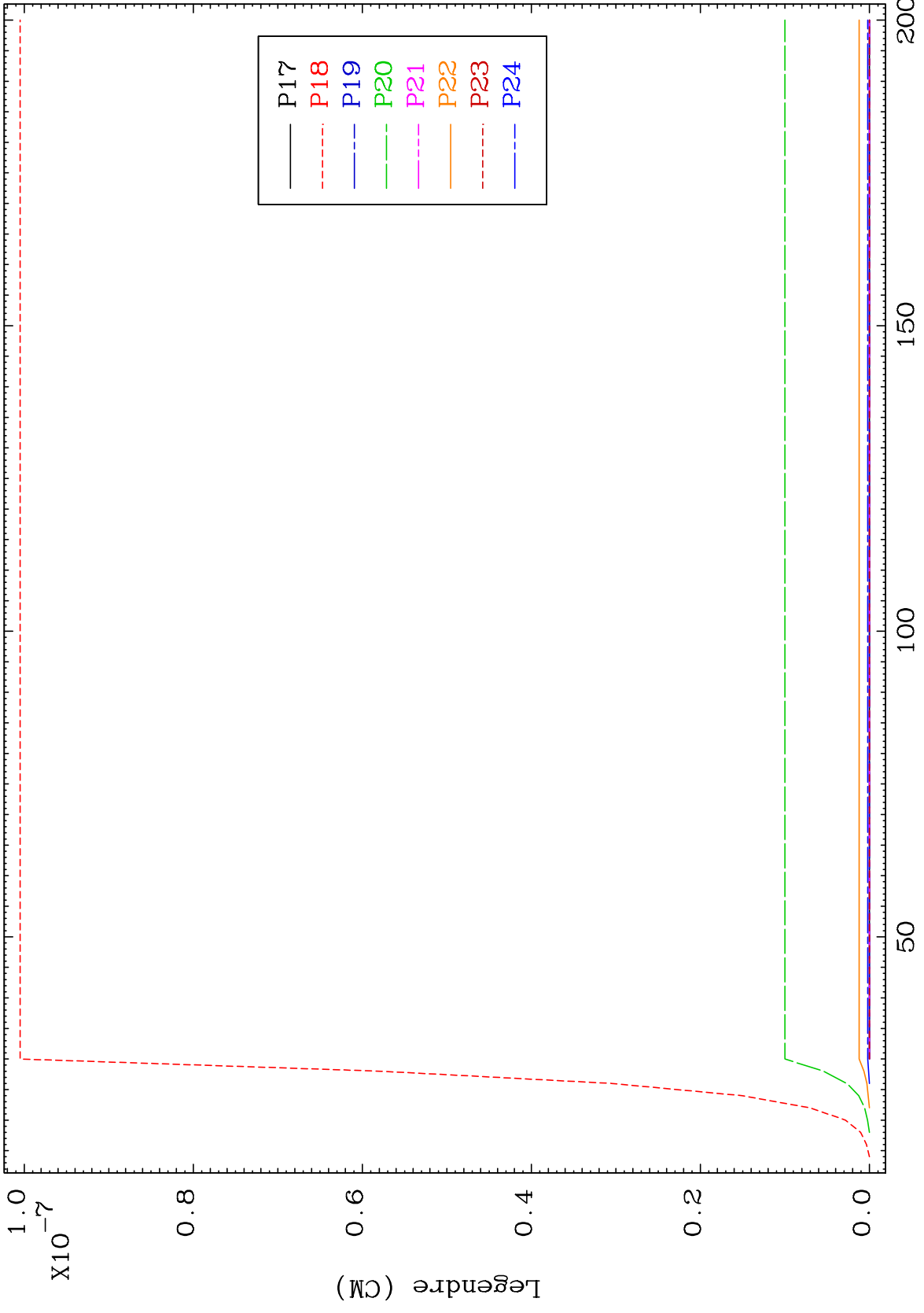
106 Incident Energy (MeV) 27-Co-60

MAT 2728 MT= 80 (n,n') Level Legendre Coefficients 27-Co-60



107 27-Co-60

MAT 2728 MT= 80 (n,n') Level Legendre Coefficients 27-Co-60

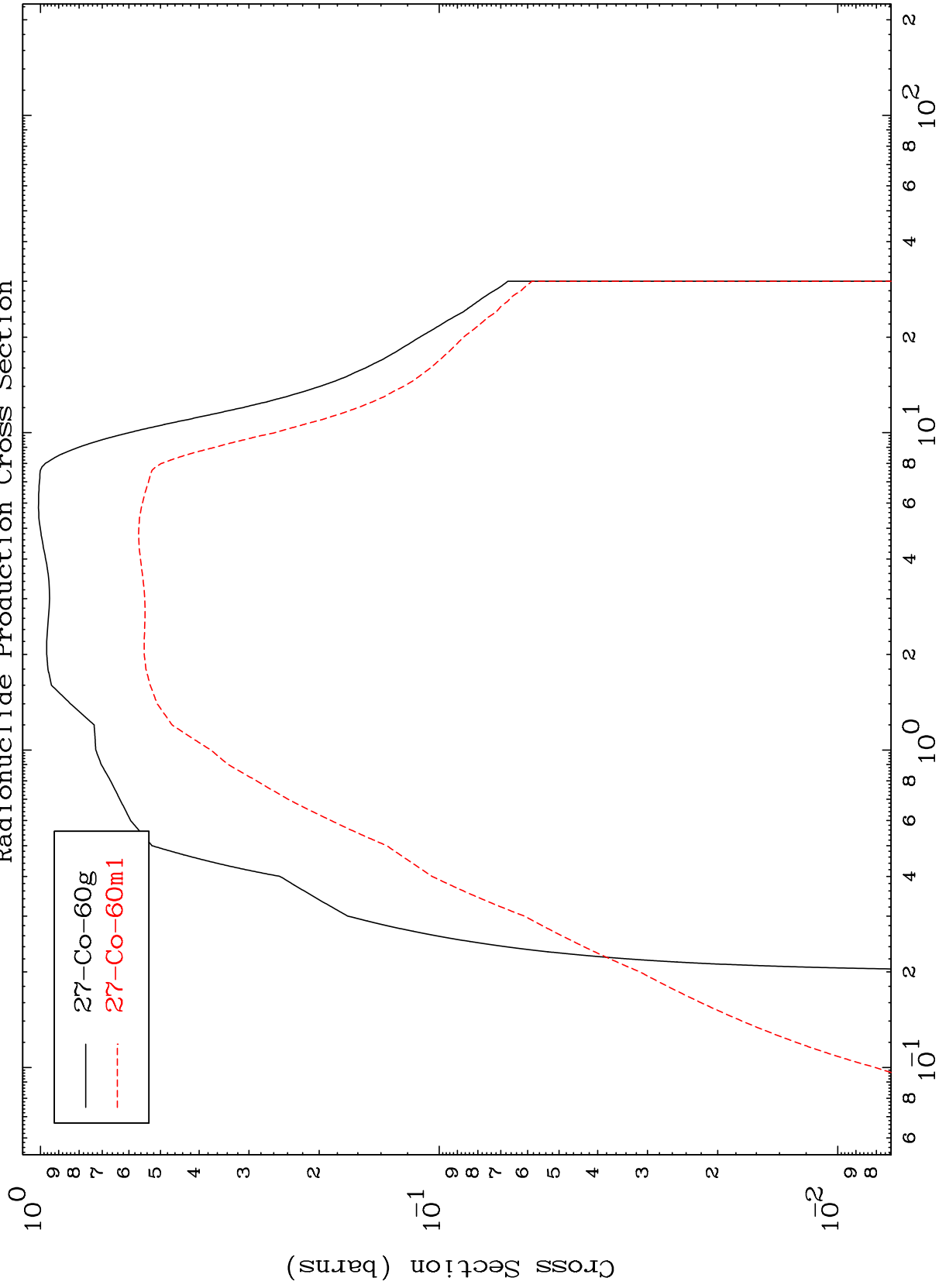


108 Incident Energy (MeV) 27-Co-60

MAT 2728

<sup>27</sup>Co-60

### Inelastic Radionuclide Production Cross Section



— 27-Co-60g  
- - - 27-Co-60m1

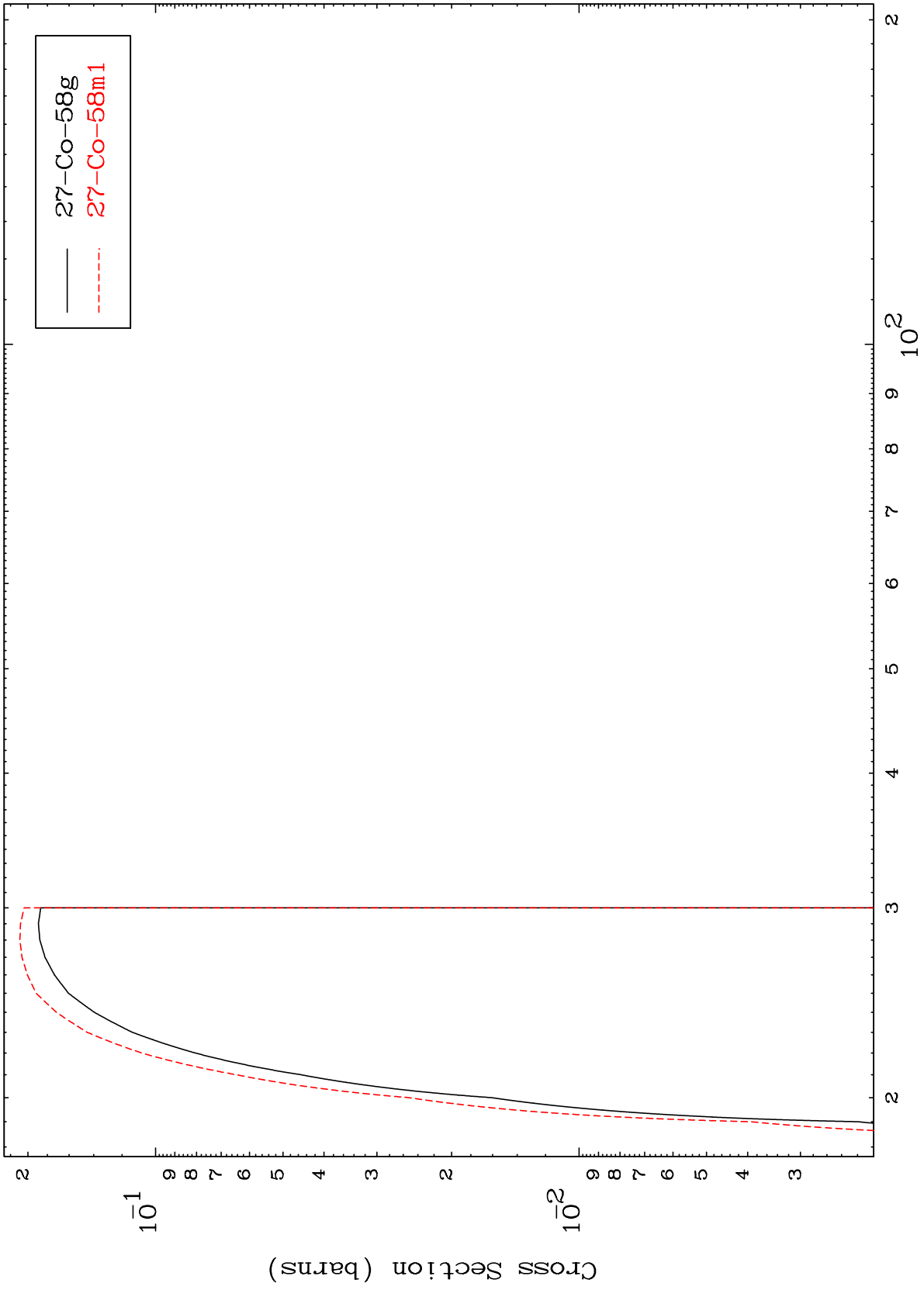
109

<sup>27</sup>Co-60

MAT 2728

27-Co-60

(n,3n)  
Radionuclide Production Cross Section



110

Incident Energy (MeV)

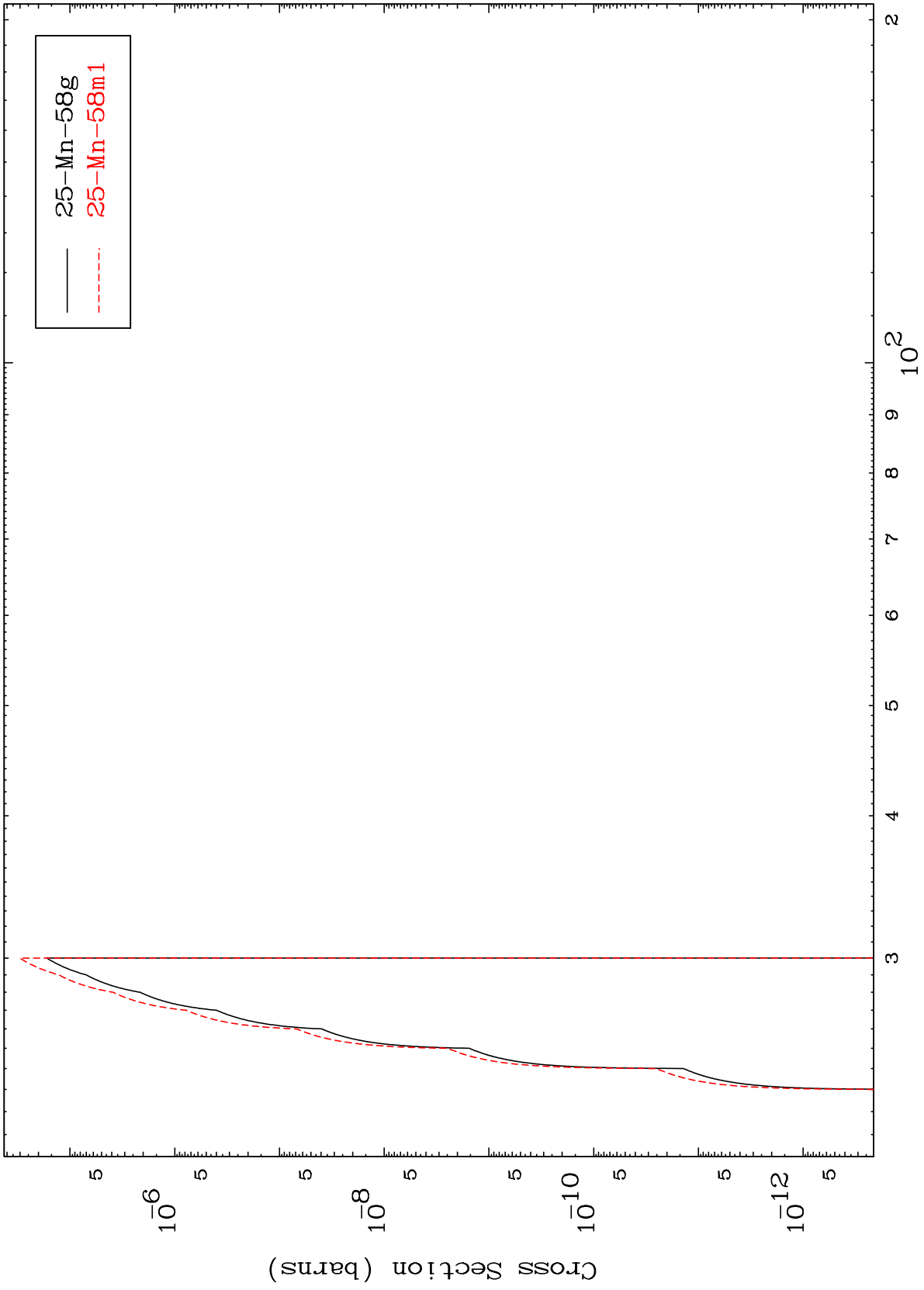
27-Co-60

MAT 2728

(n,2n) p

<sup>27</sup>Co-60

Radionuclide Production Cross Section



111

Incident Energy (MeV)

<sup>27</sup>Co-60

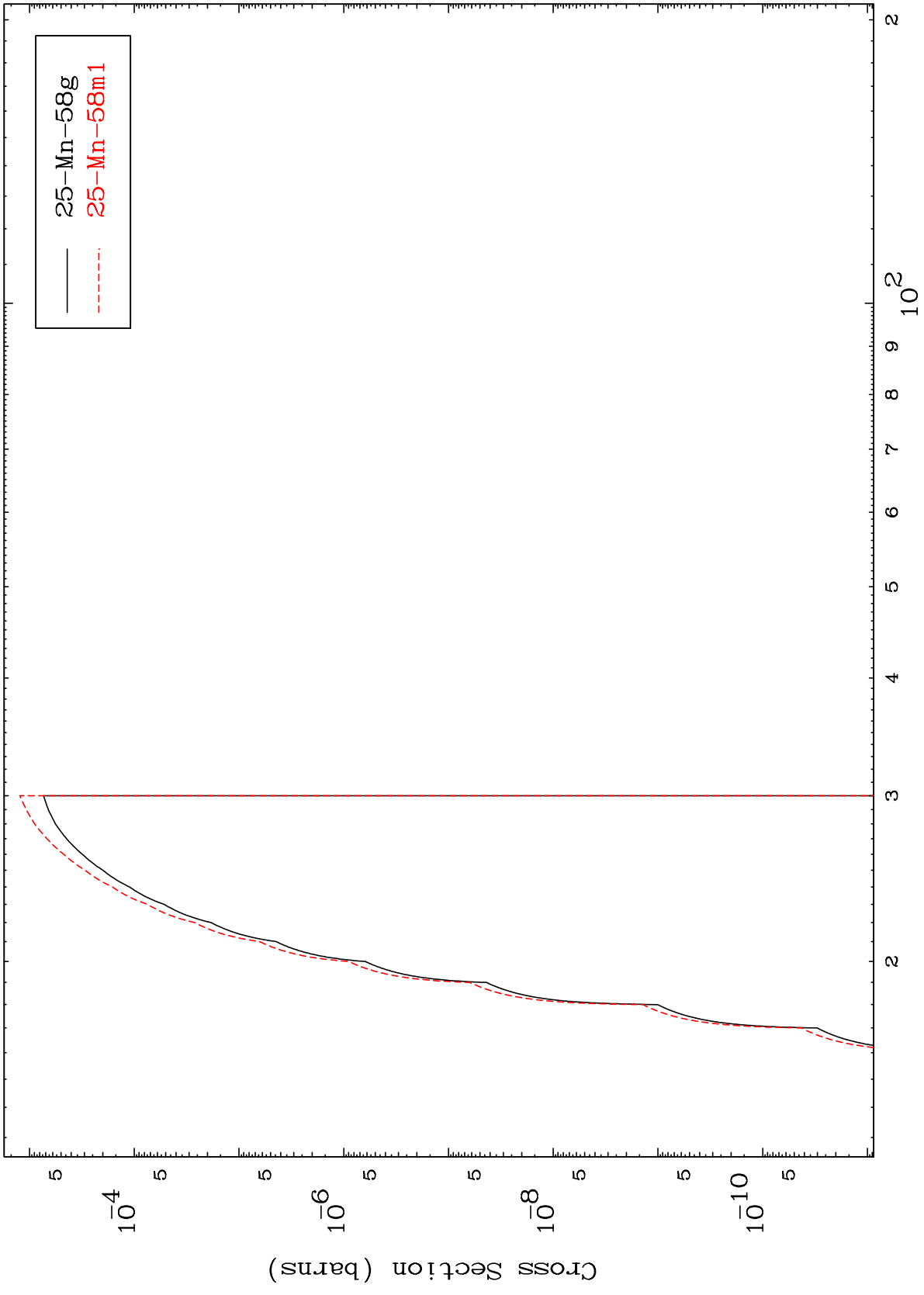


MAT 2728

(n, He-3)

<sup>27</sup>Co-60

Radionuclide Production Cross Section



112

Incident Energy (MeV)

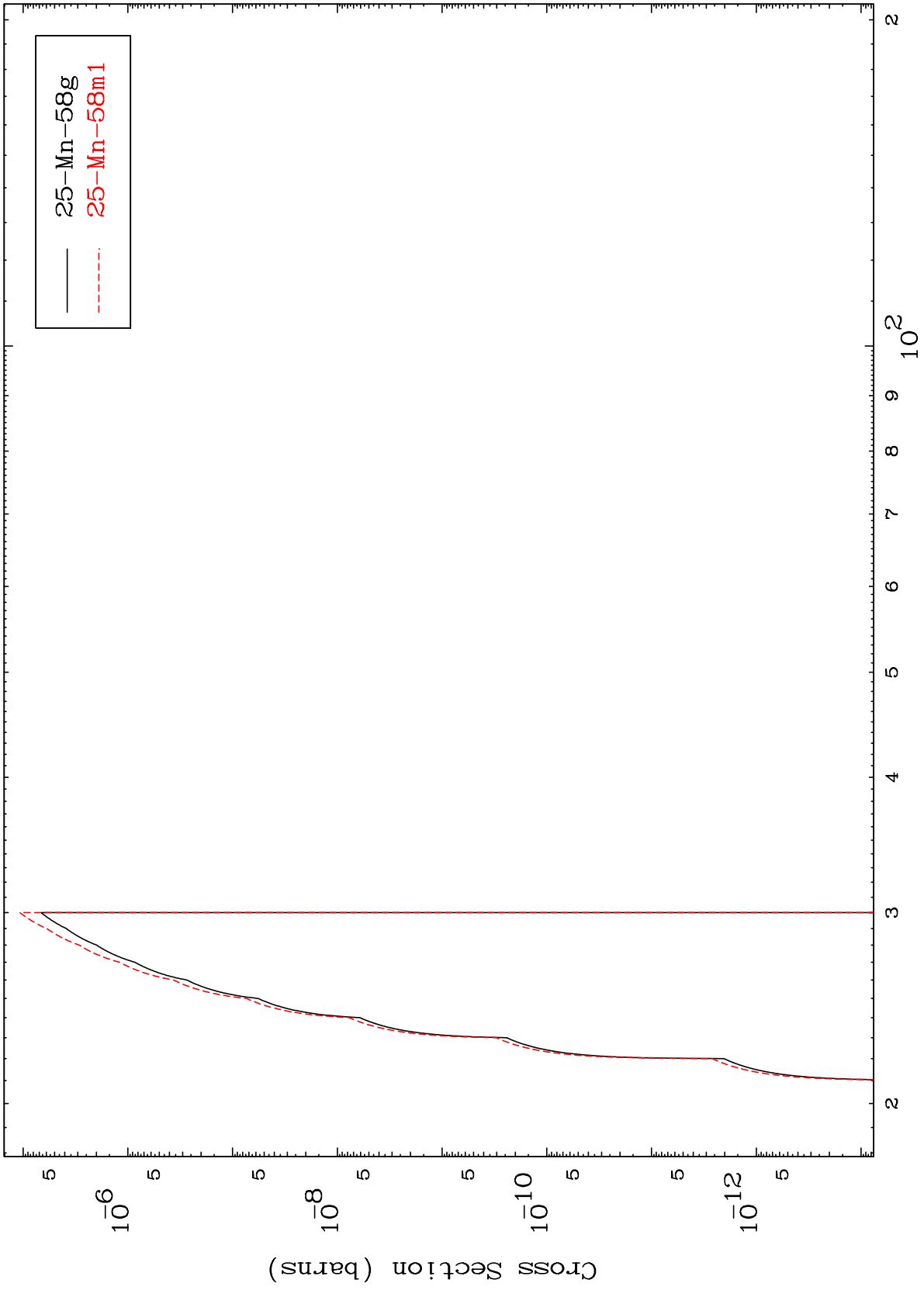
<sup>27</sup>Co-60

MAT 2728

(n,p) d

27-Co-60

Radionuclide Production Cross Section



113

Incident Energy (MeV)

27-Co-60