

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

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

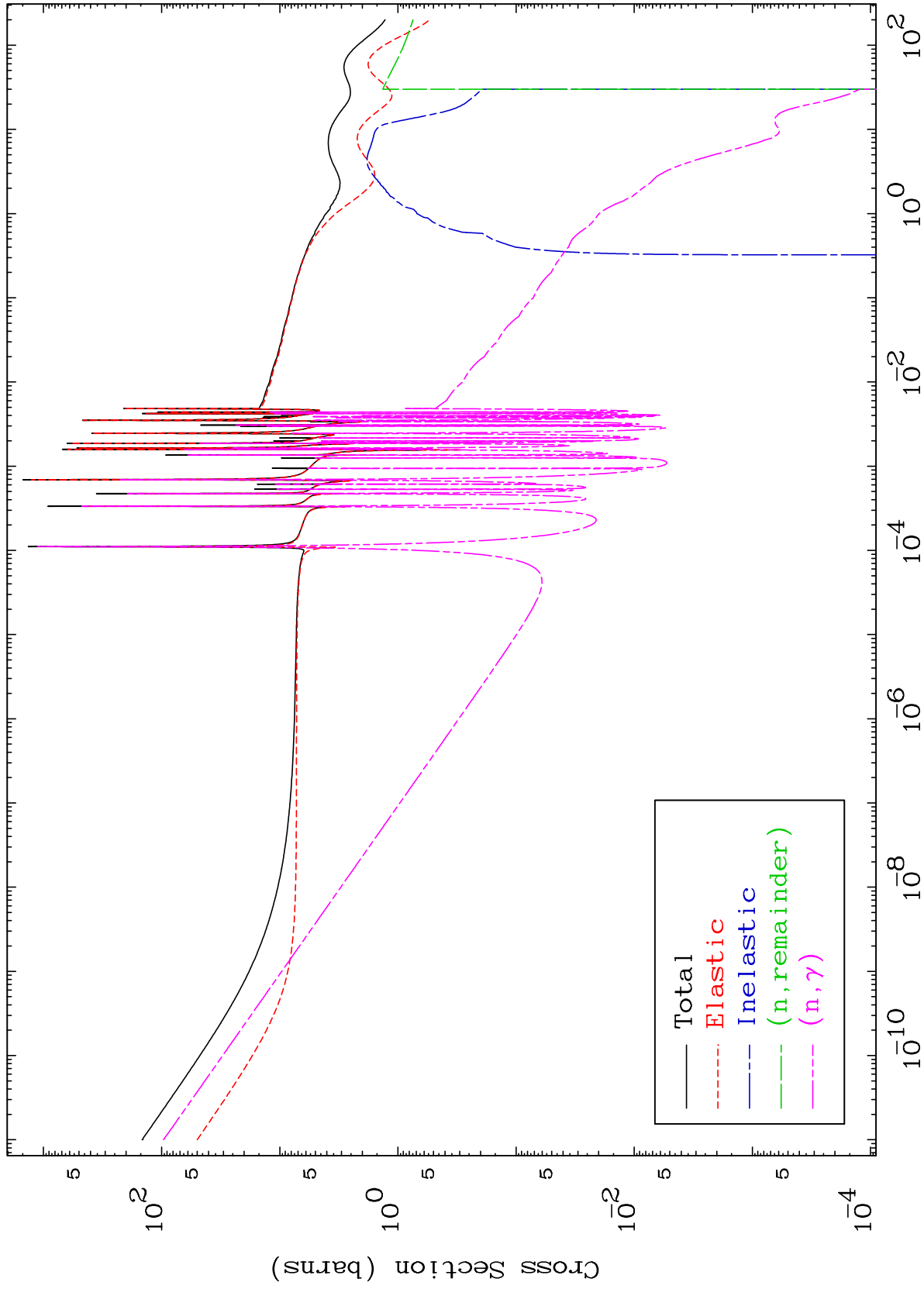
Press Mouse Button to Start

MAT 3125

Major

293 Kelvin Cross Sections

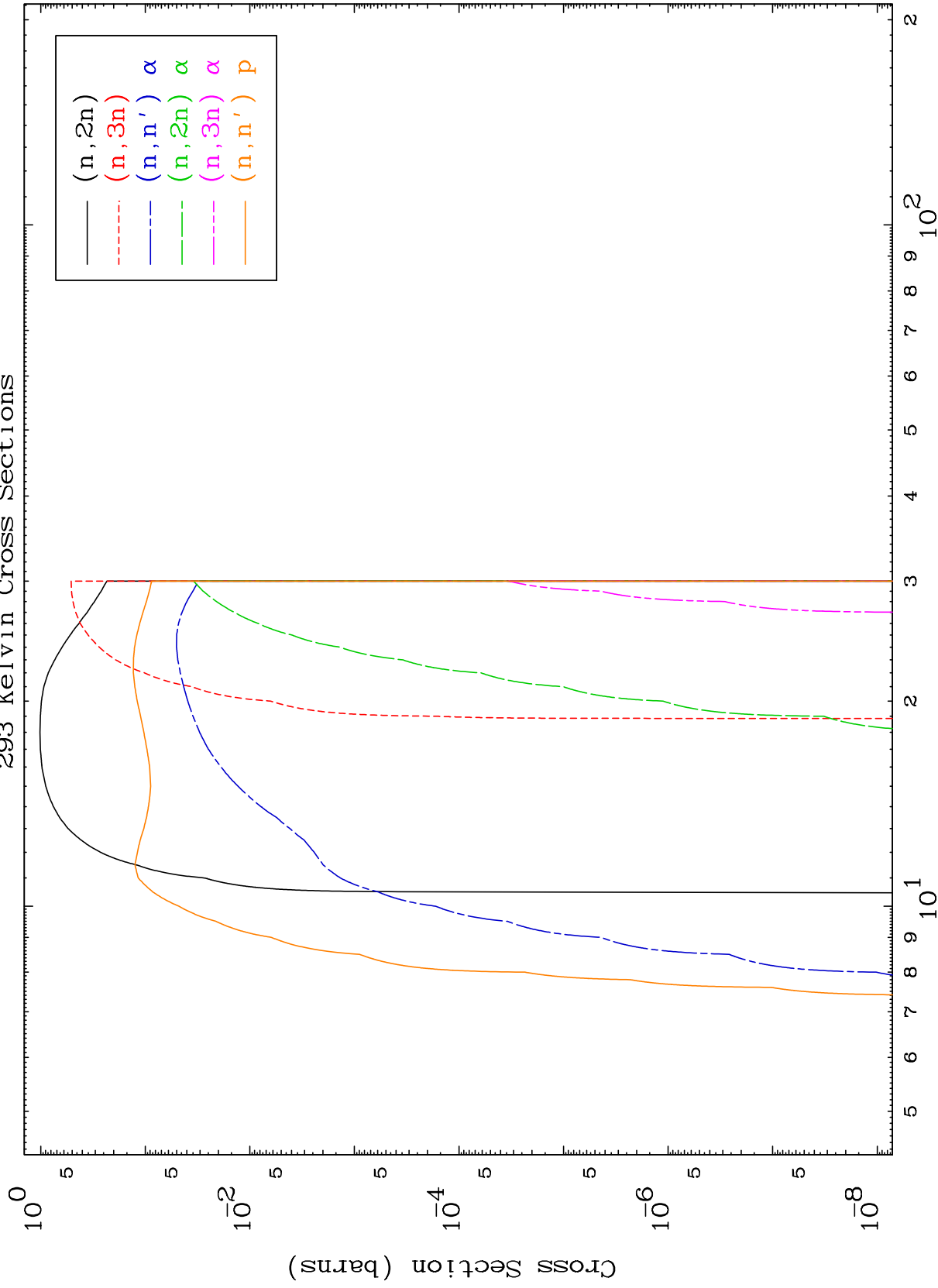
31-Ga-69



MAT 3125

Neutron Production  
293 Kelvin Cross Sections

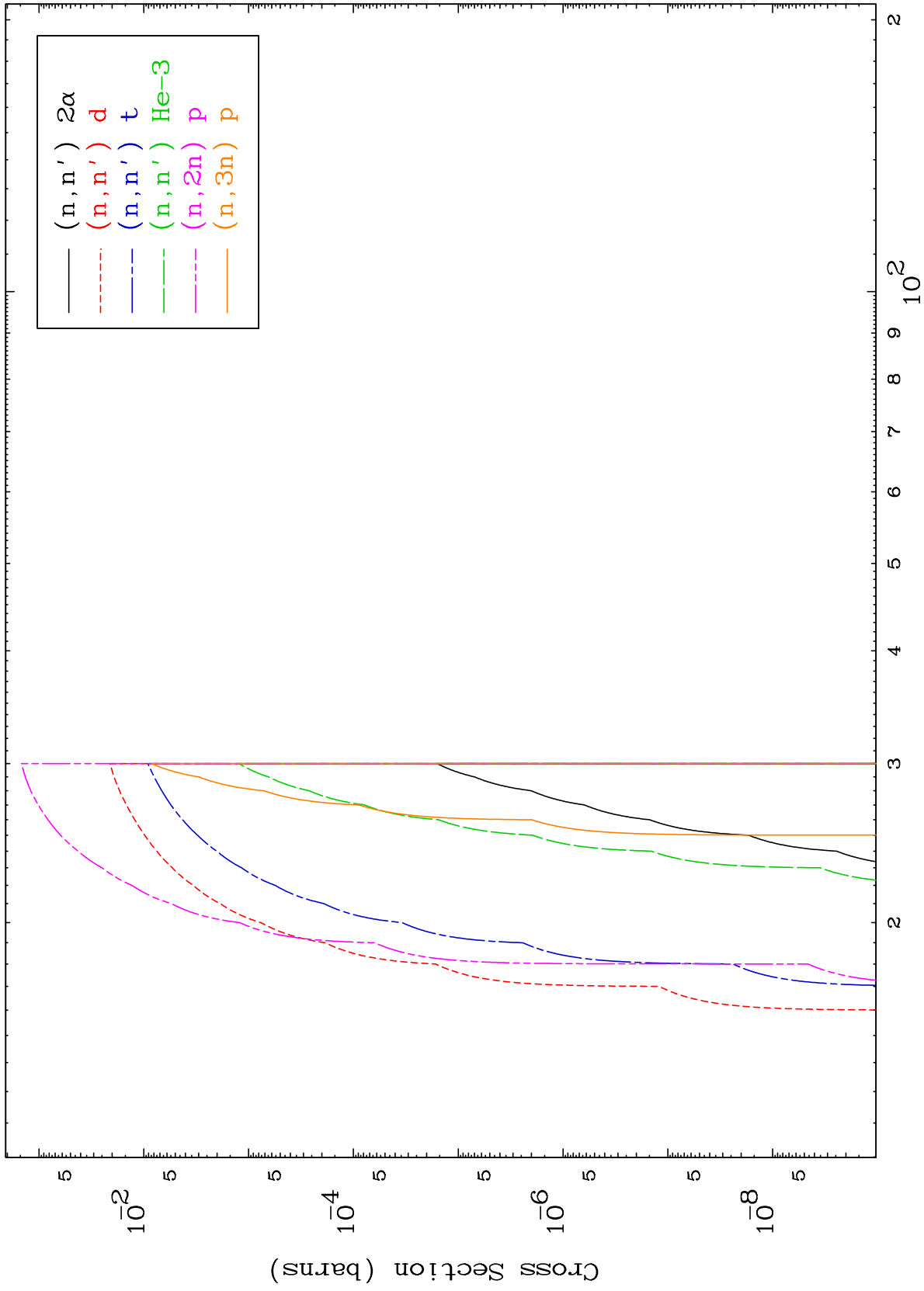
31-Ga-69



2

Incident Energy (MeV)

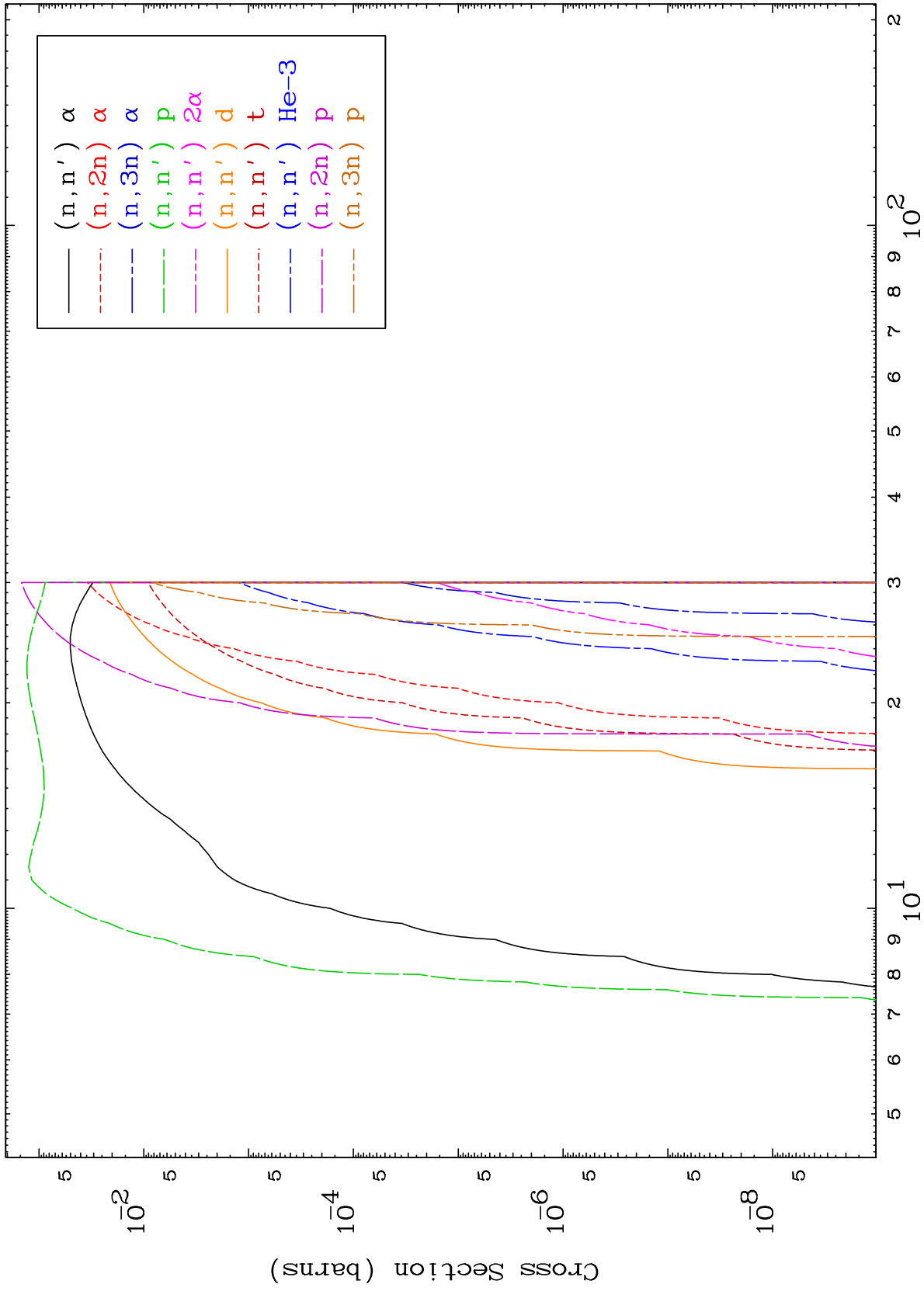
31-Ga-69



MAT 3125

Charged Particle  
293 Kelvin Cross Sections

31-Ga-69



4

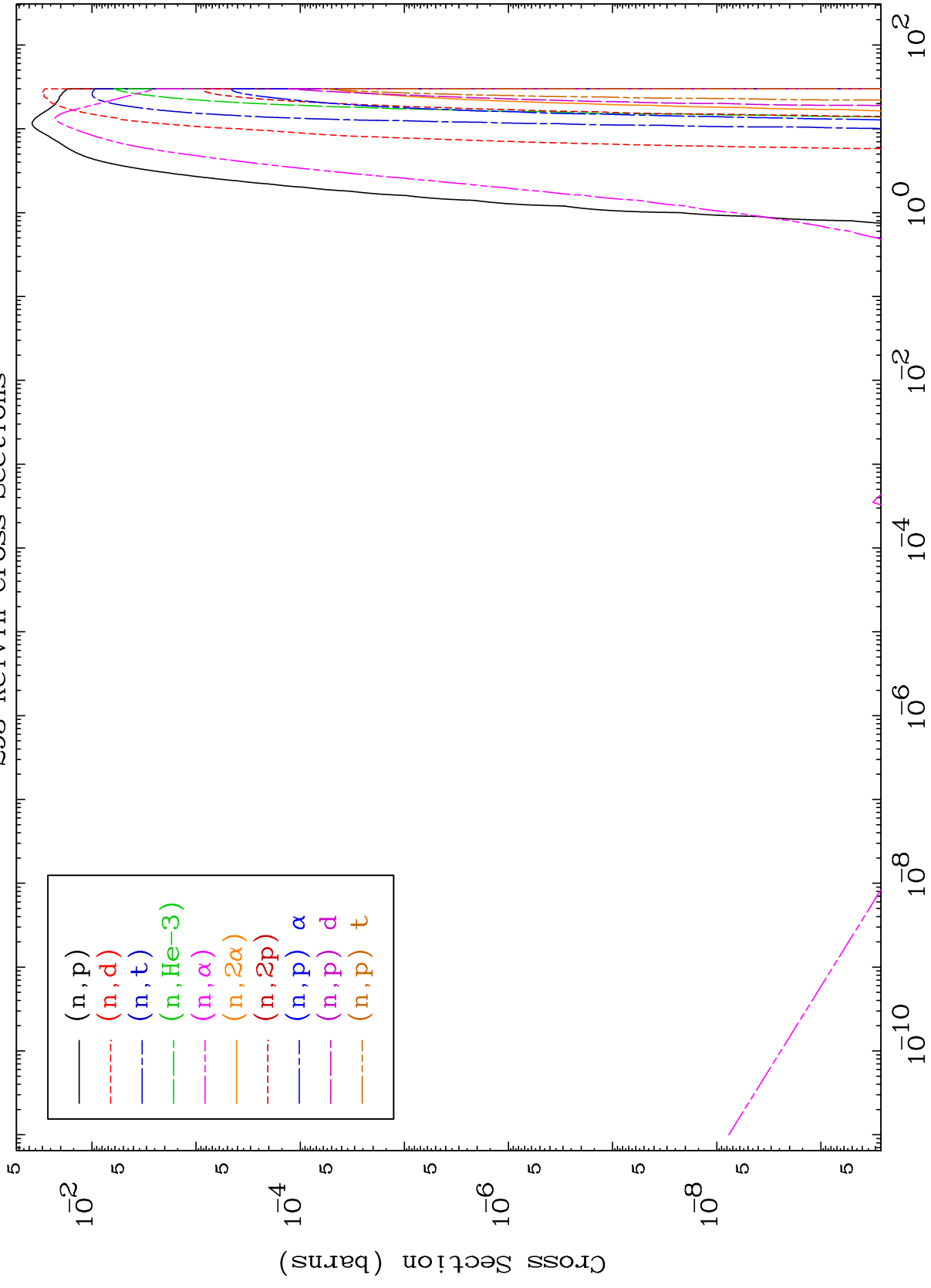
Incident Energy (MeV)

31-Ga-69

MAT 3125

Charged Particle  
293 Kelvin Cross Sections

31-Ga-69



5

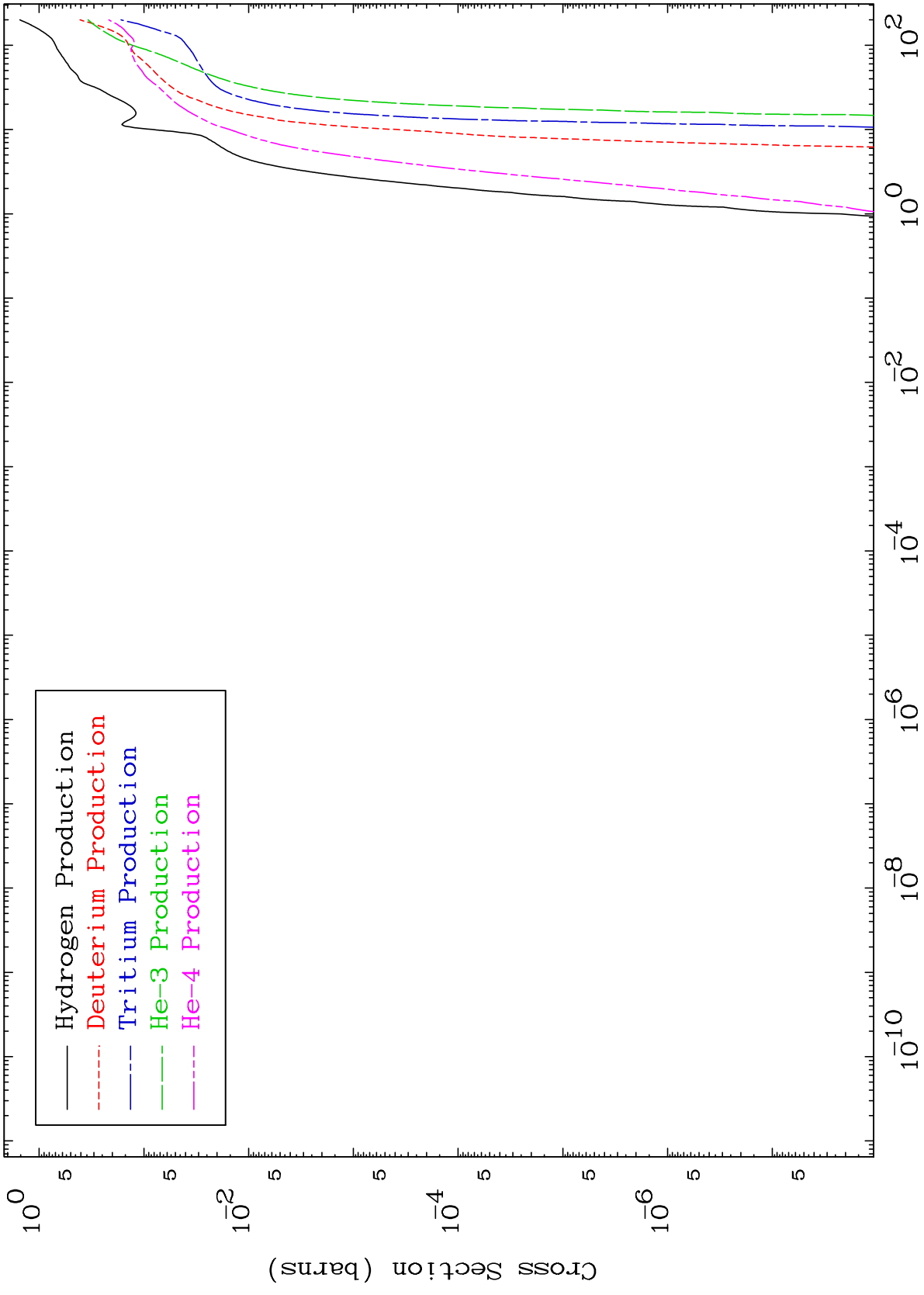
Incident Energy (MeV)

31-Ga-69

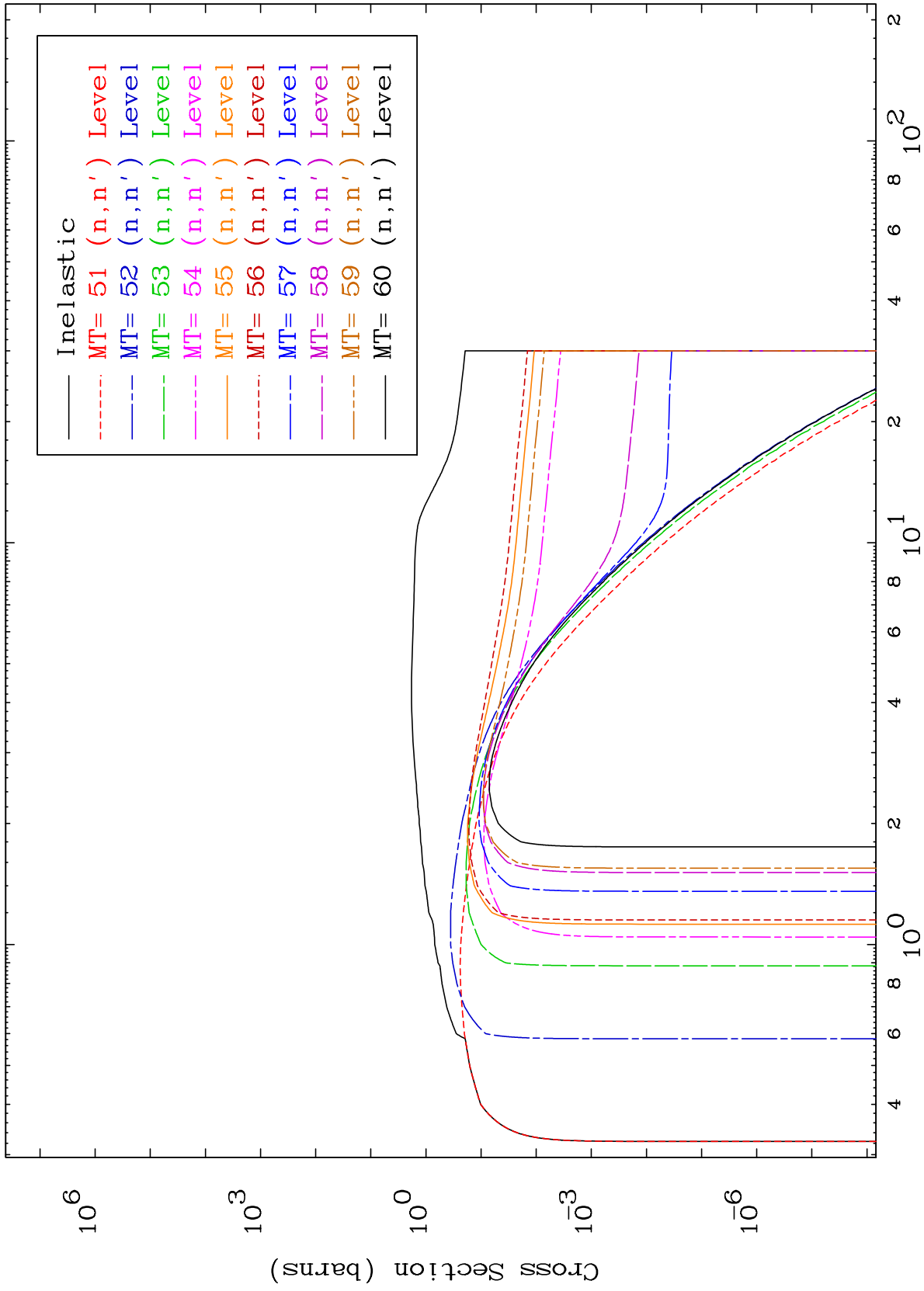
MAT 3125

Particle Production  
293 Kelvin Cross Sections

31-Ga-69



31-Ga-69

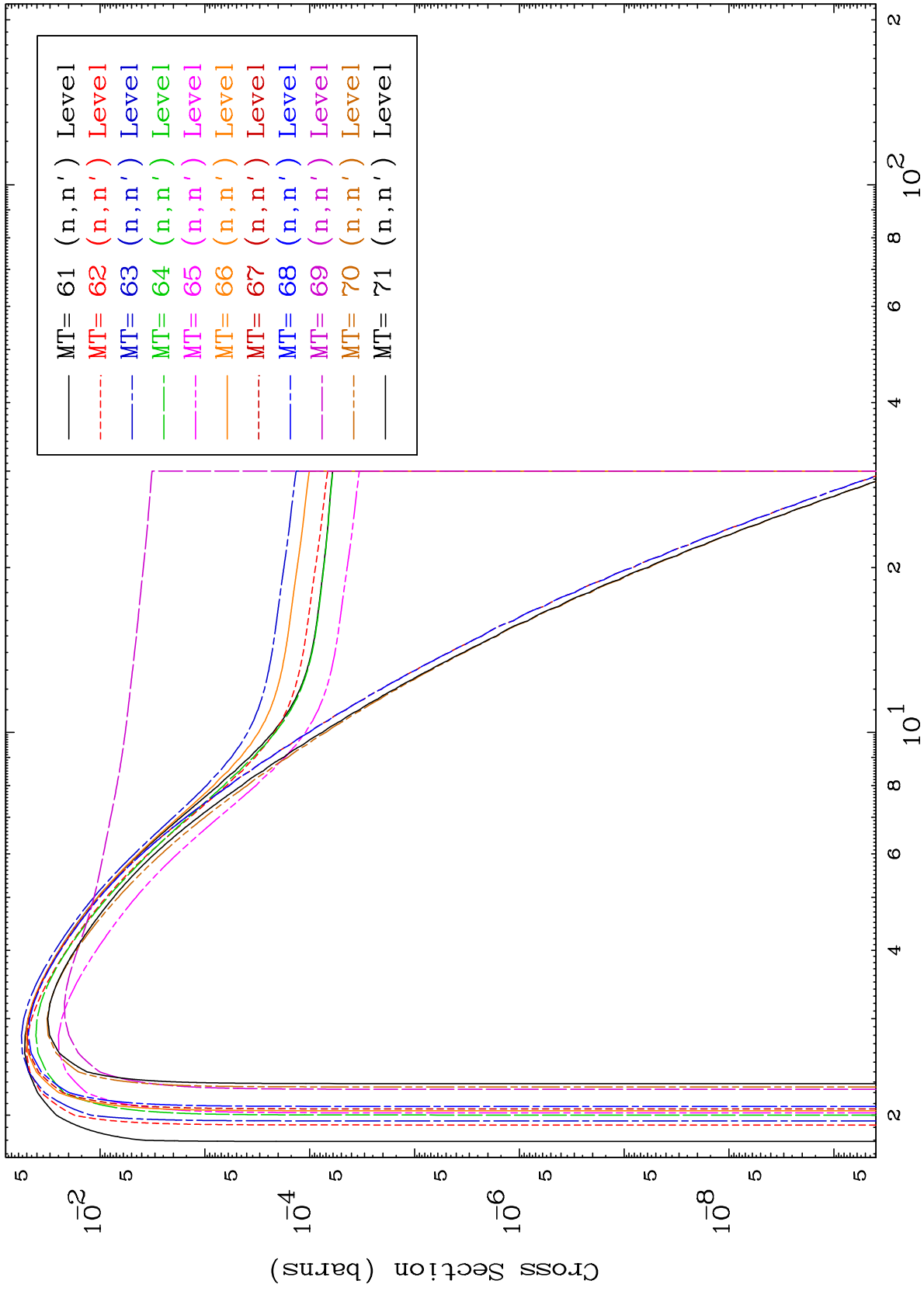




MAT 3125

(n,n') Level  
293 Kelvin Cross Sections

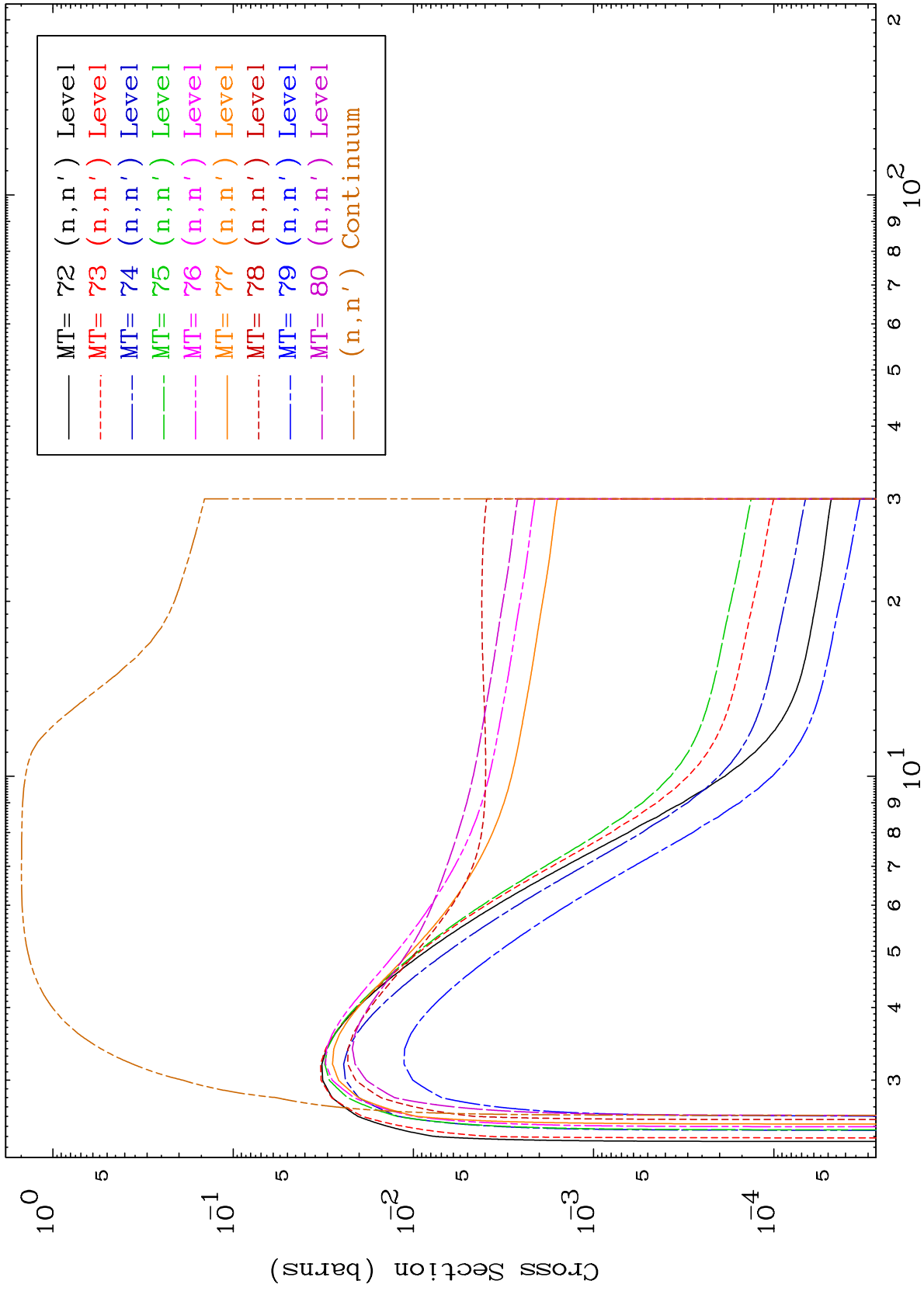
31-Ga-69



8

Incident Energy (MeV)

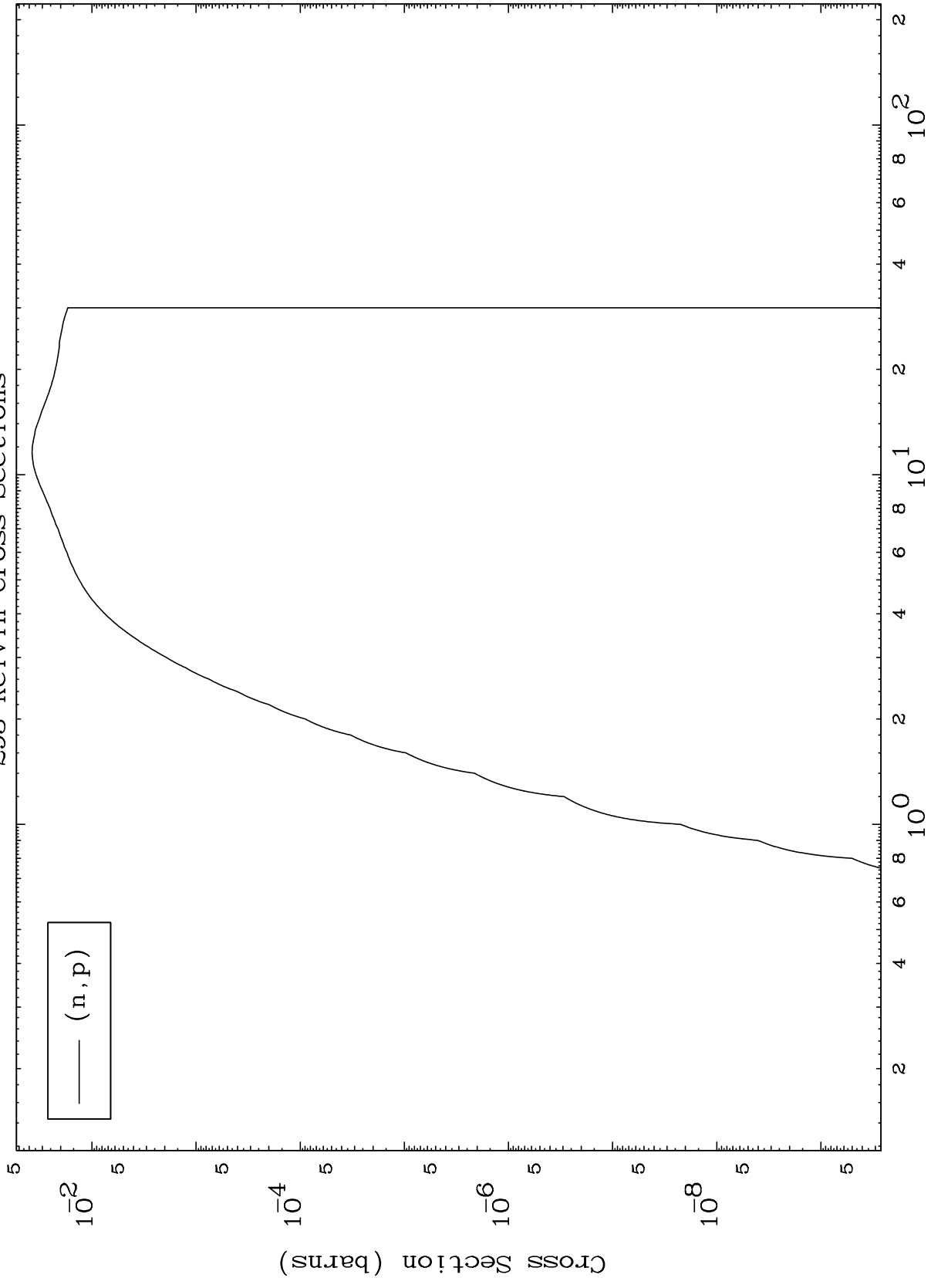
31-Ga-69



MAT 3125

(n,p) Levels  
293 Kelvin Cross Sections

31-Ga-69

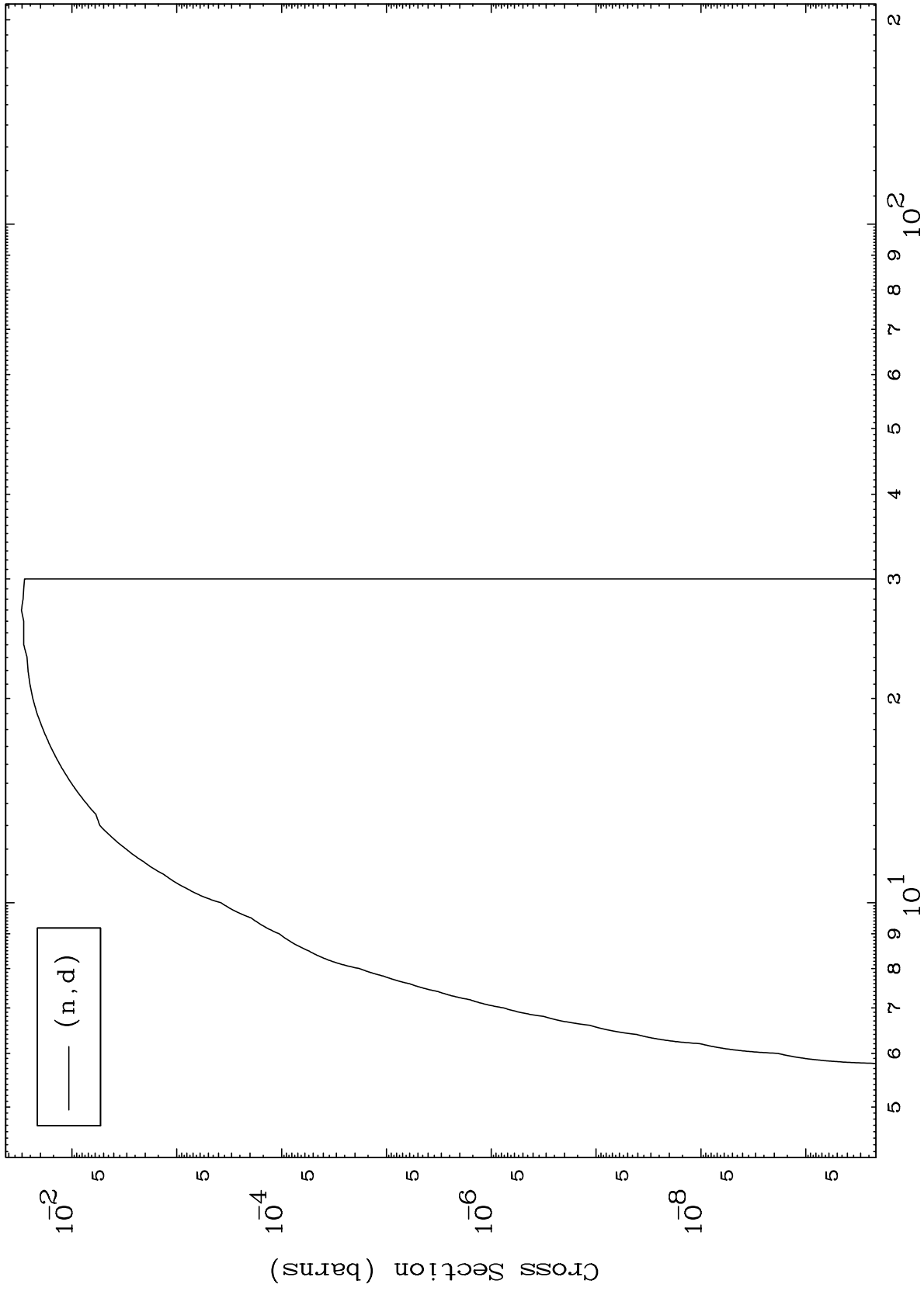


10

Incident Energy (MeV)

31-Ga-69

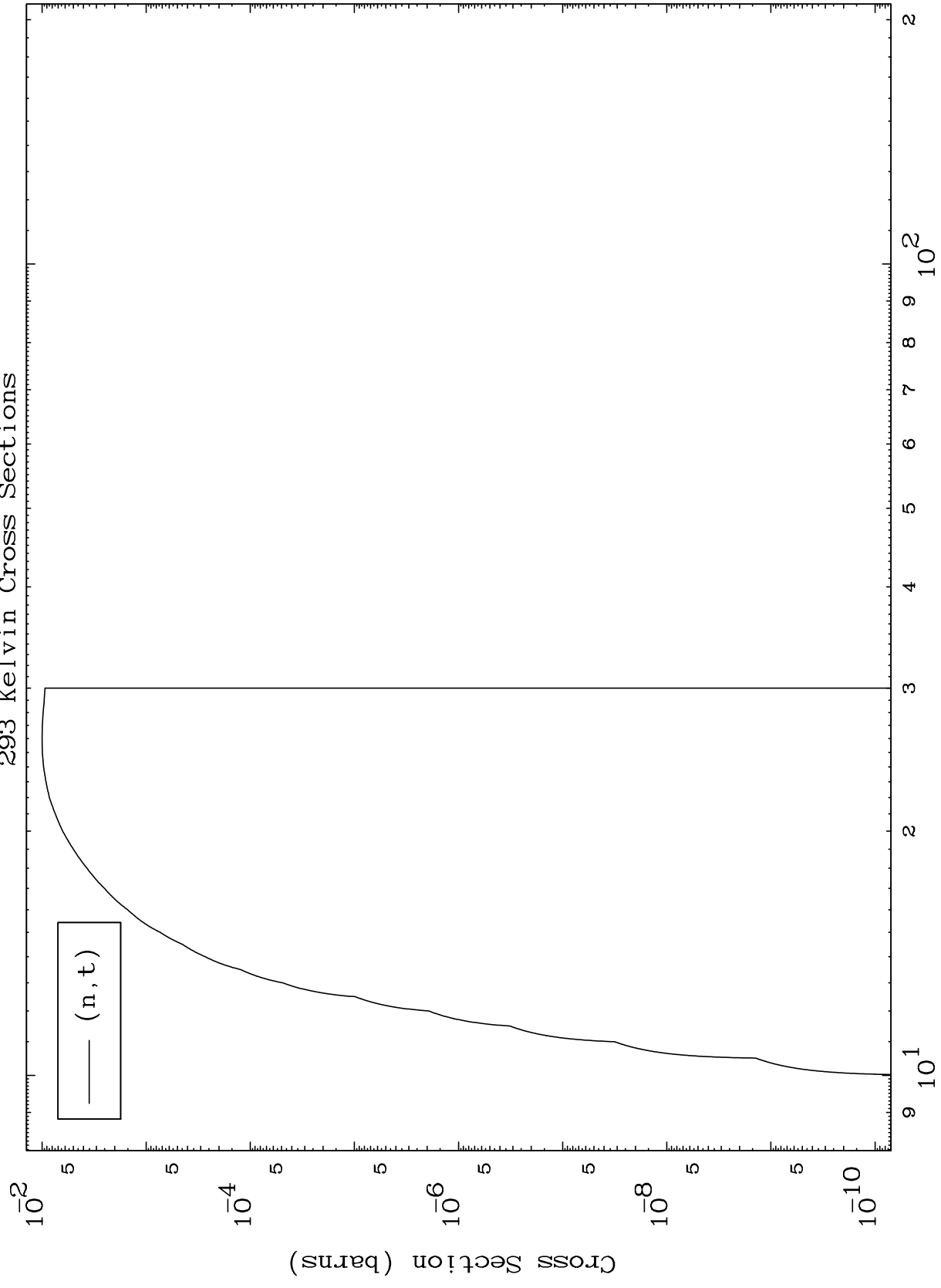
(n,d) Levels  
293 Kelvin Cross Sections



MAT 3125

(n,t) Levels  
293 Kelvin Cross Sections

31-Ga-69



12

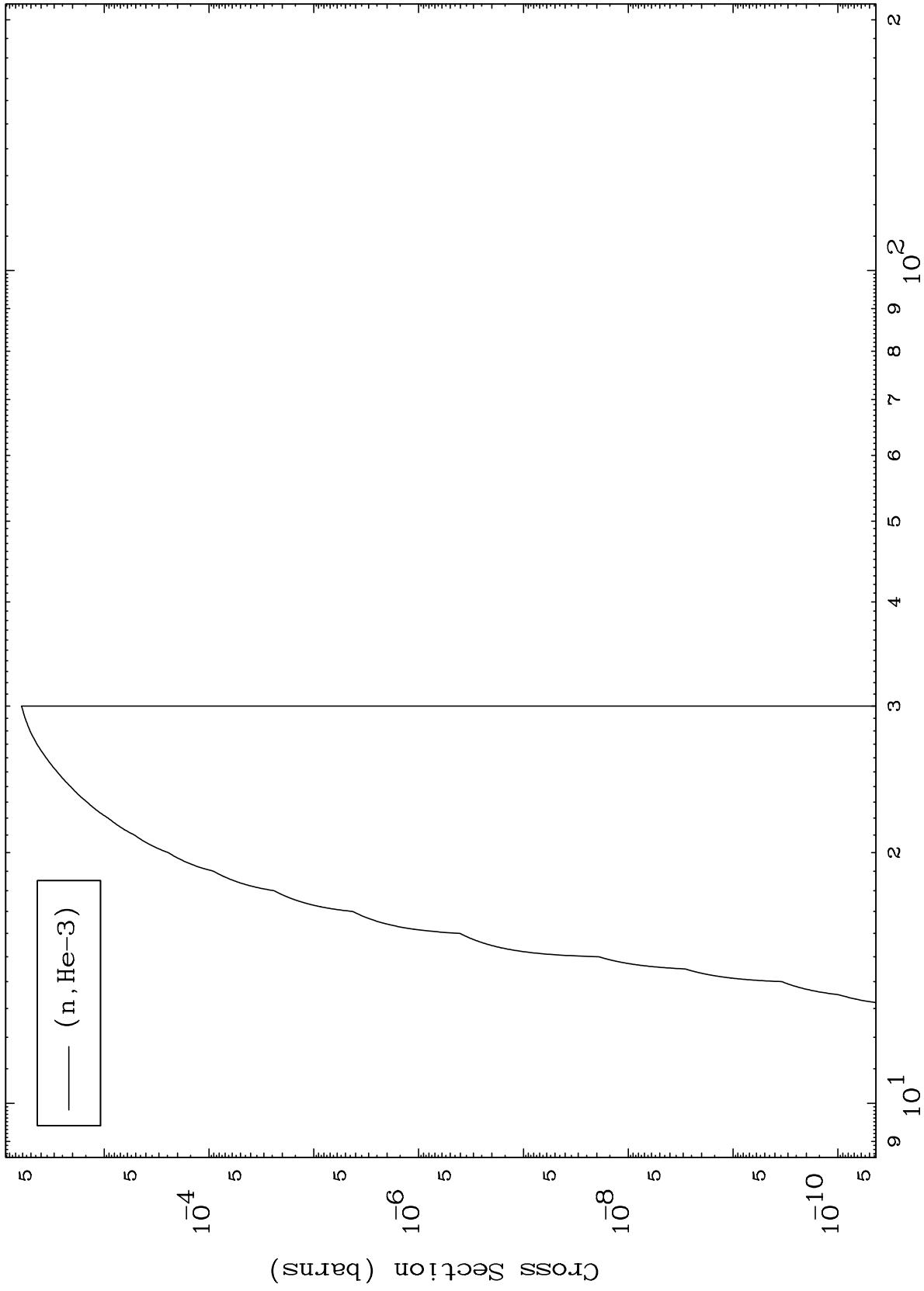
Incident Energy (MeV)

31-Ga-69

MAT 3125

(n,He3) Levels  
293 Kelvin Cross Sections

31-Ga-69



13

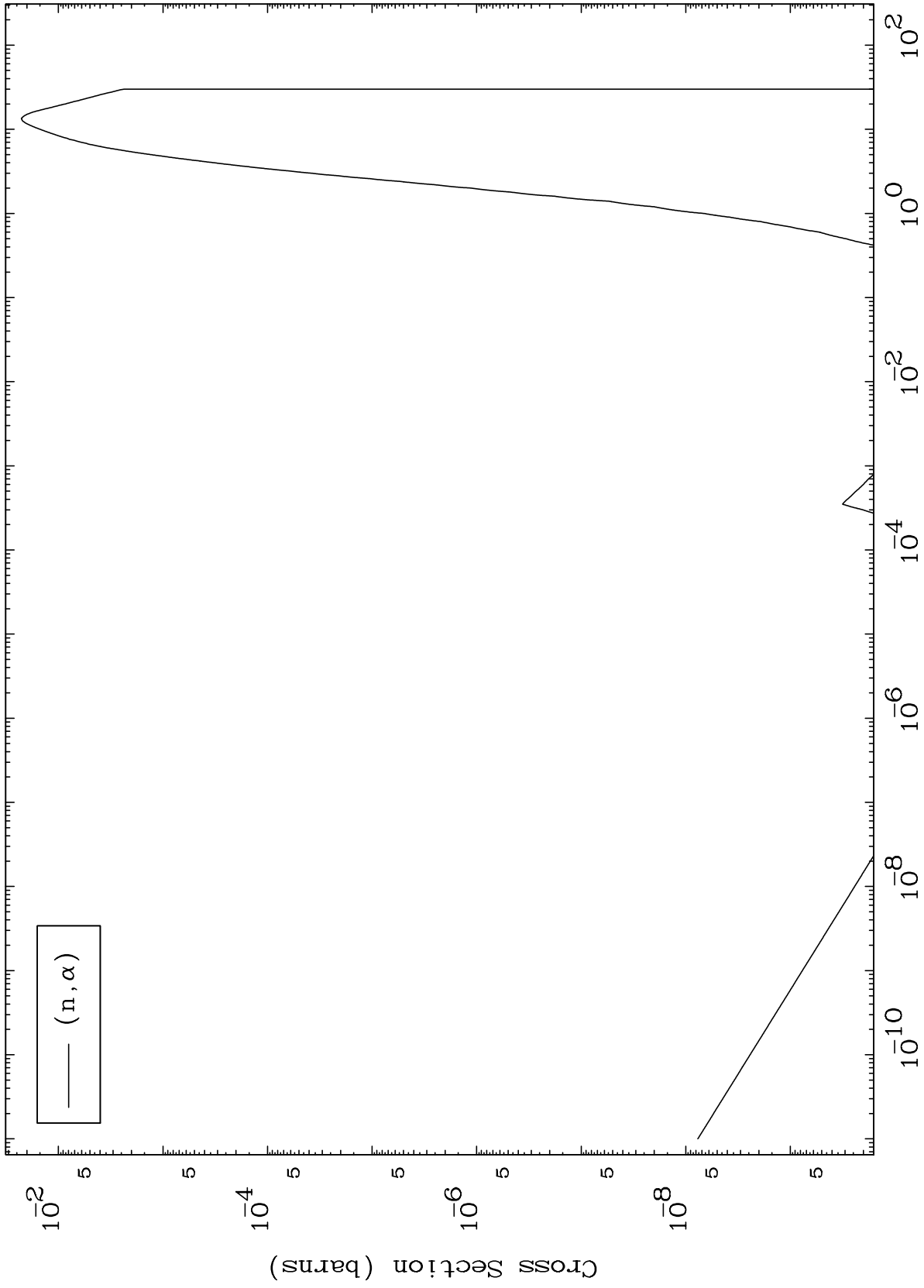
Incident Energy (MeV)

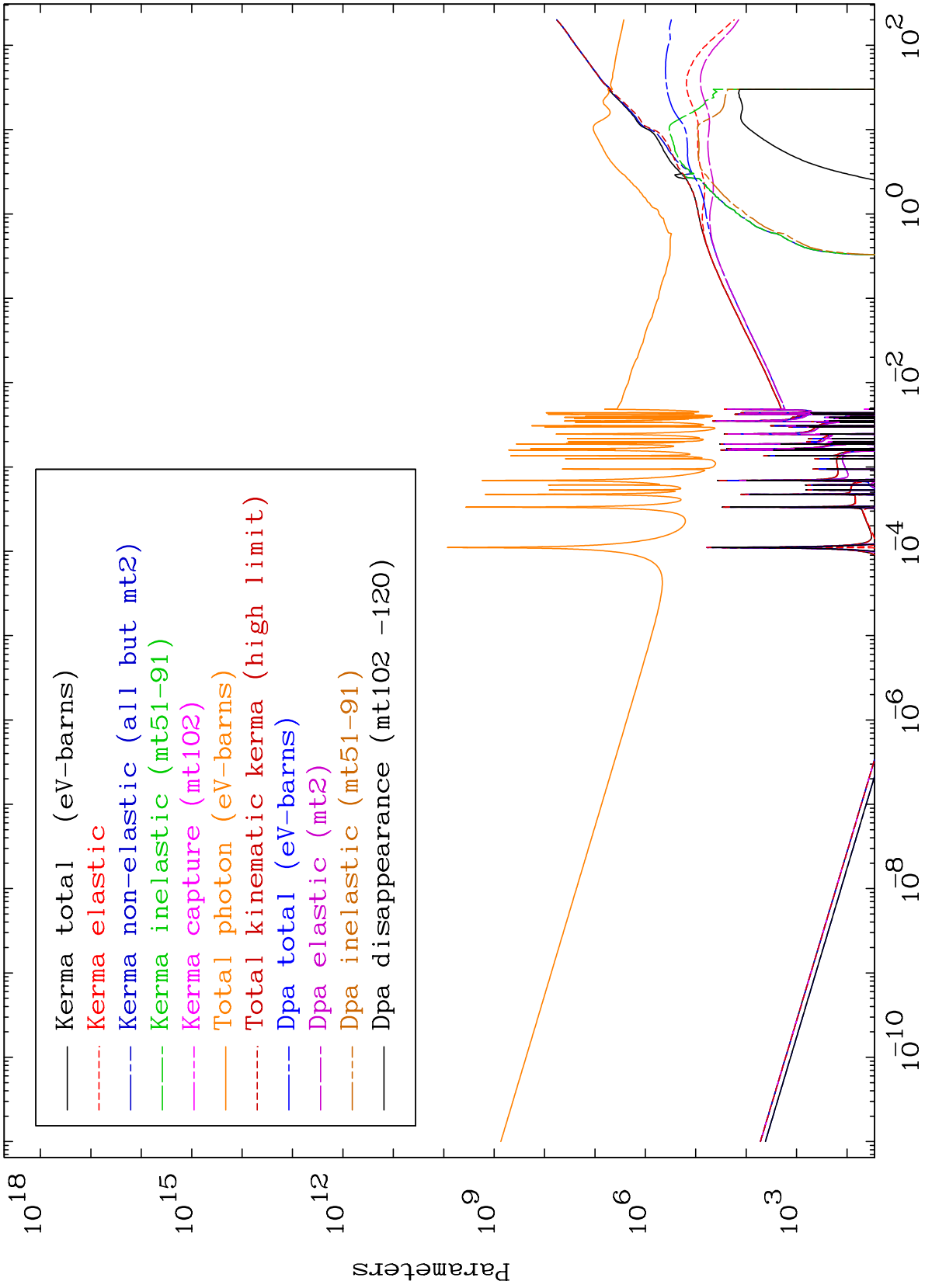
31-Ga-69

MAT 3125

(n,α) Levels  
293 Kelvin Cross Sections

31-Ga-69



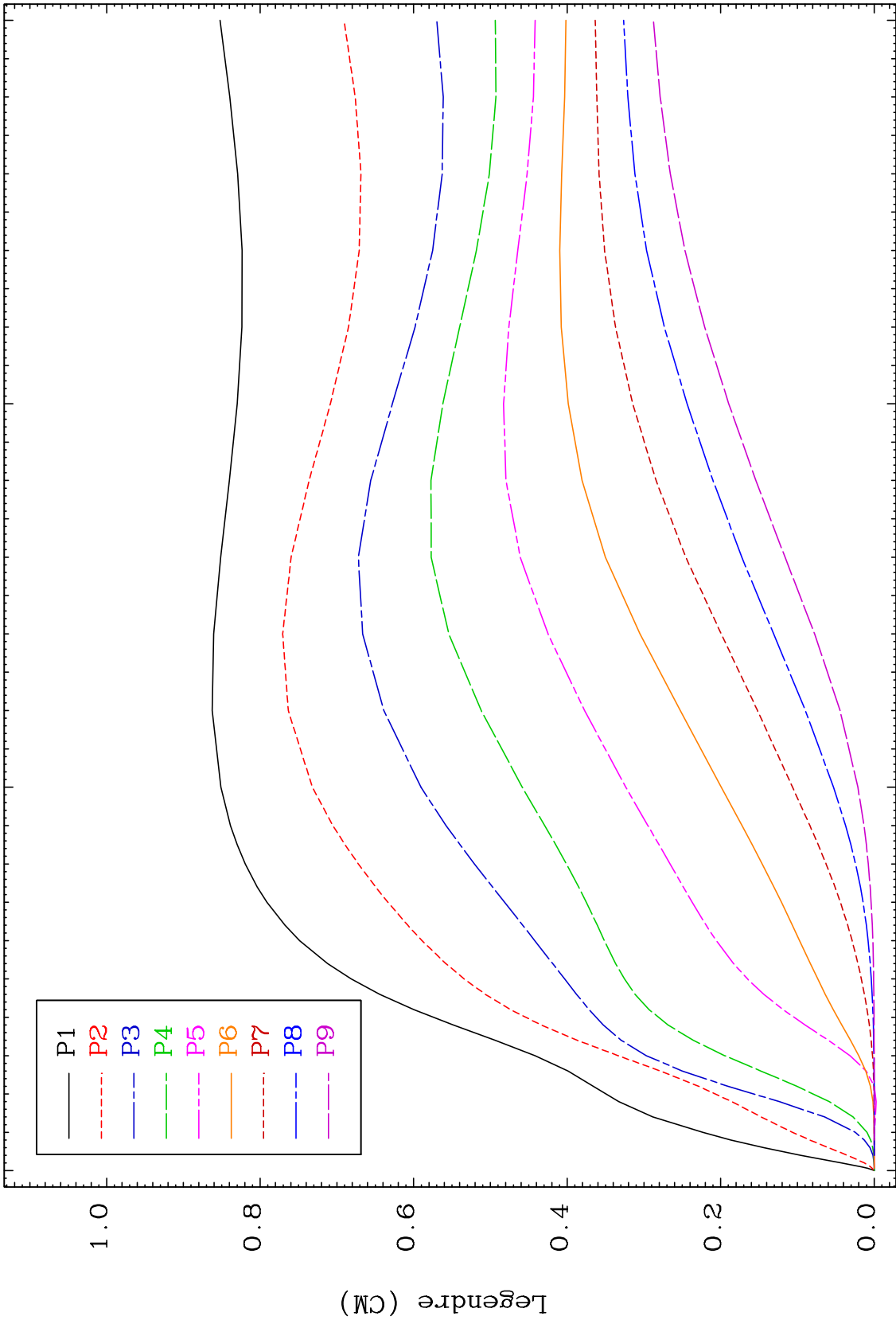




MAT 3125

Elastic Legendre Coefficients

<sup>31</sup>Ga-69



16

Incident Energy (MeV)

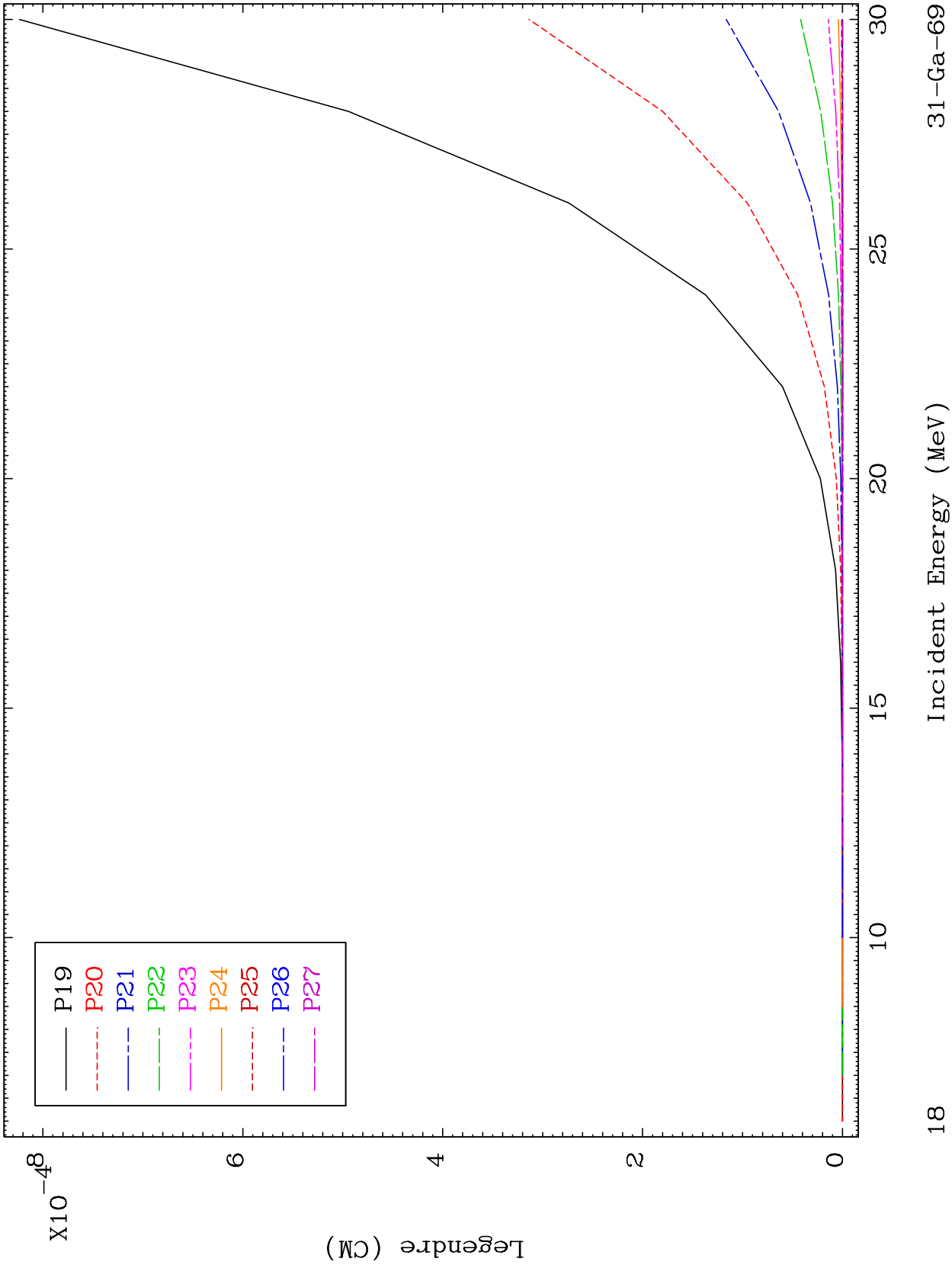
<sup>31</sup>Ga-69



MAT 3125

### Elastic Legendre Coefficients

31-Ga-69



18

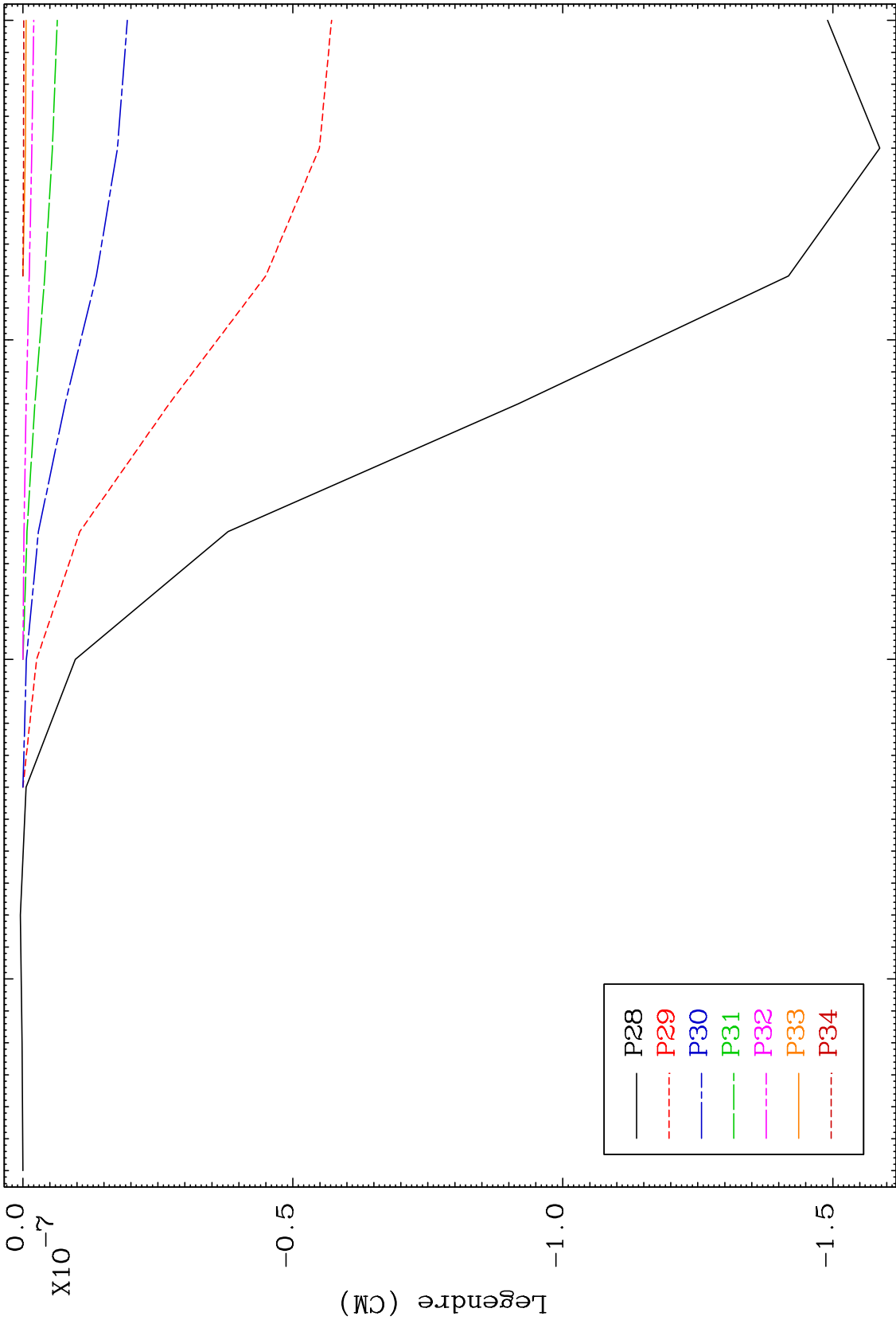
Incident Energy (MeV)

31-Ga-69

MAT 3125

31-Ga-69

Elastic Legendre Coefficients

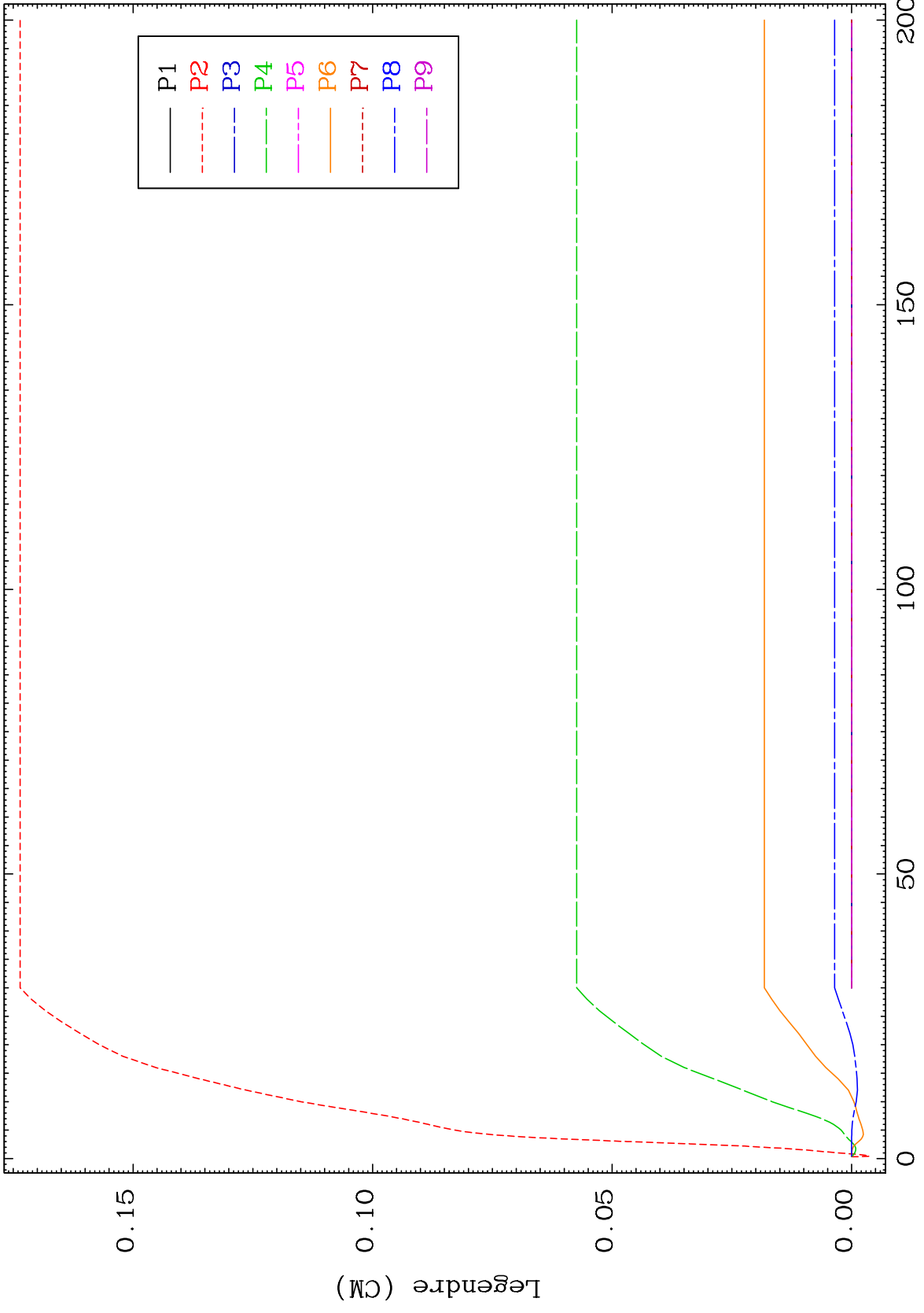


19

Incident Energy (MeV)

31-Ga-69

MAT 3125 MT= 51 (n,n') Level Legendre Coefficients 31-Ga-69

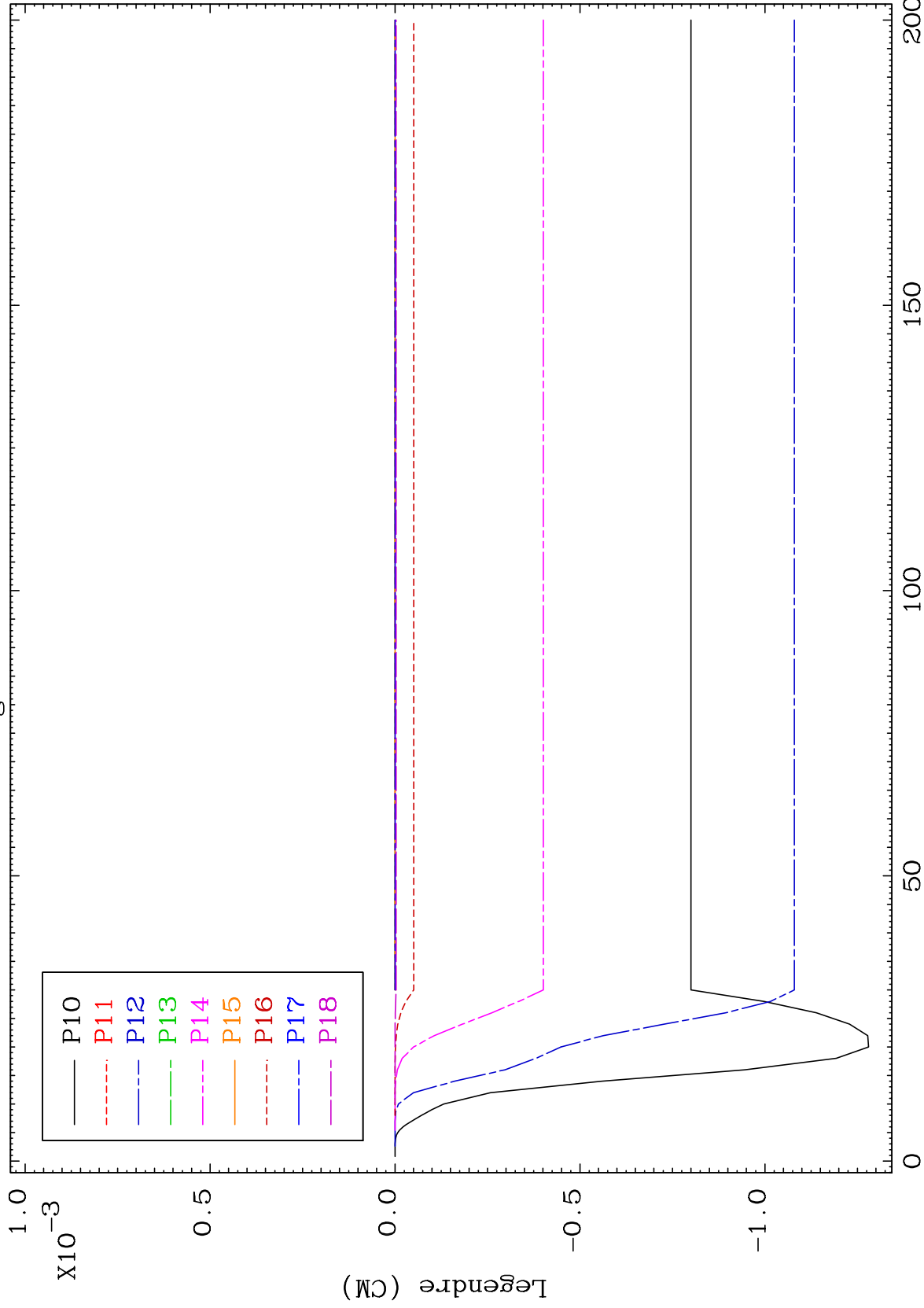


31-Ga-69

MAT 3125

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

31-Ga-69



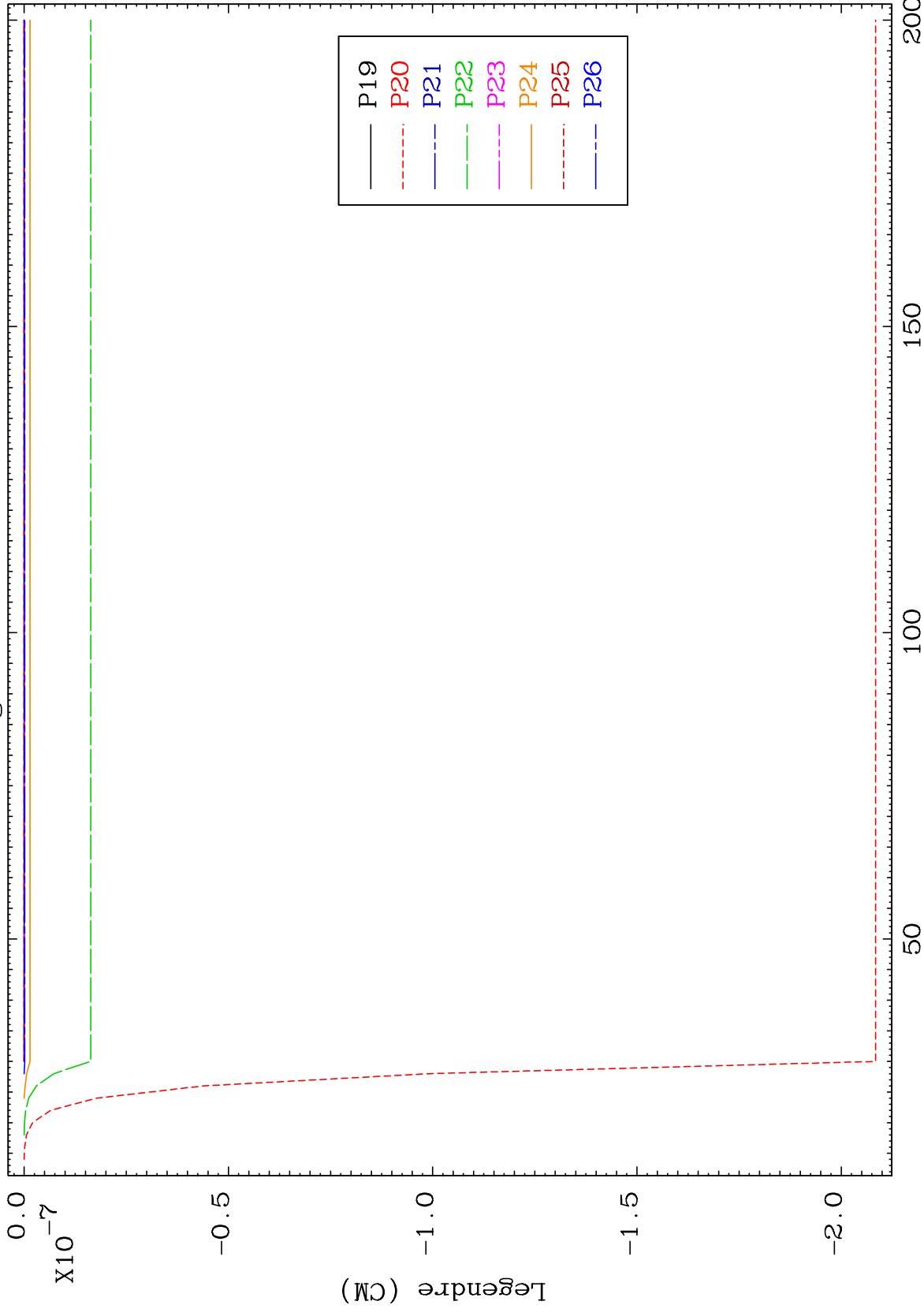
21

31-Ga-69

MAT 3125

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

31-Ga-69

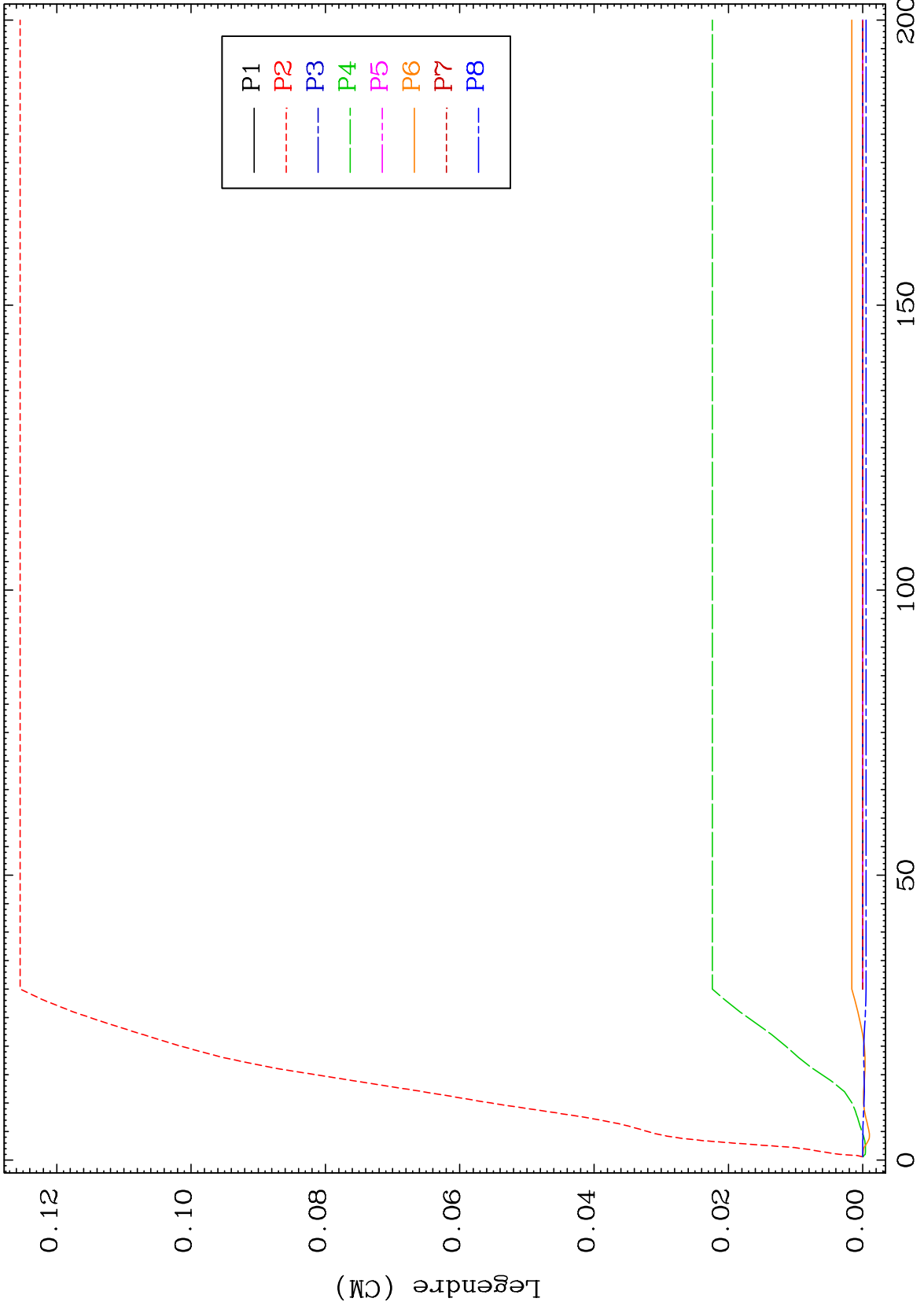


31-Ga-69

Incident Energy (MeV)

22

MAT 3125 MT= 52 (n,n') Level Legendre Coefficients 31-Ga-69



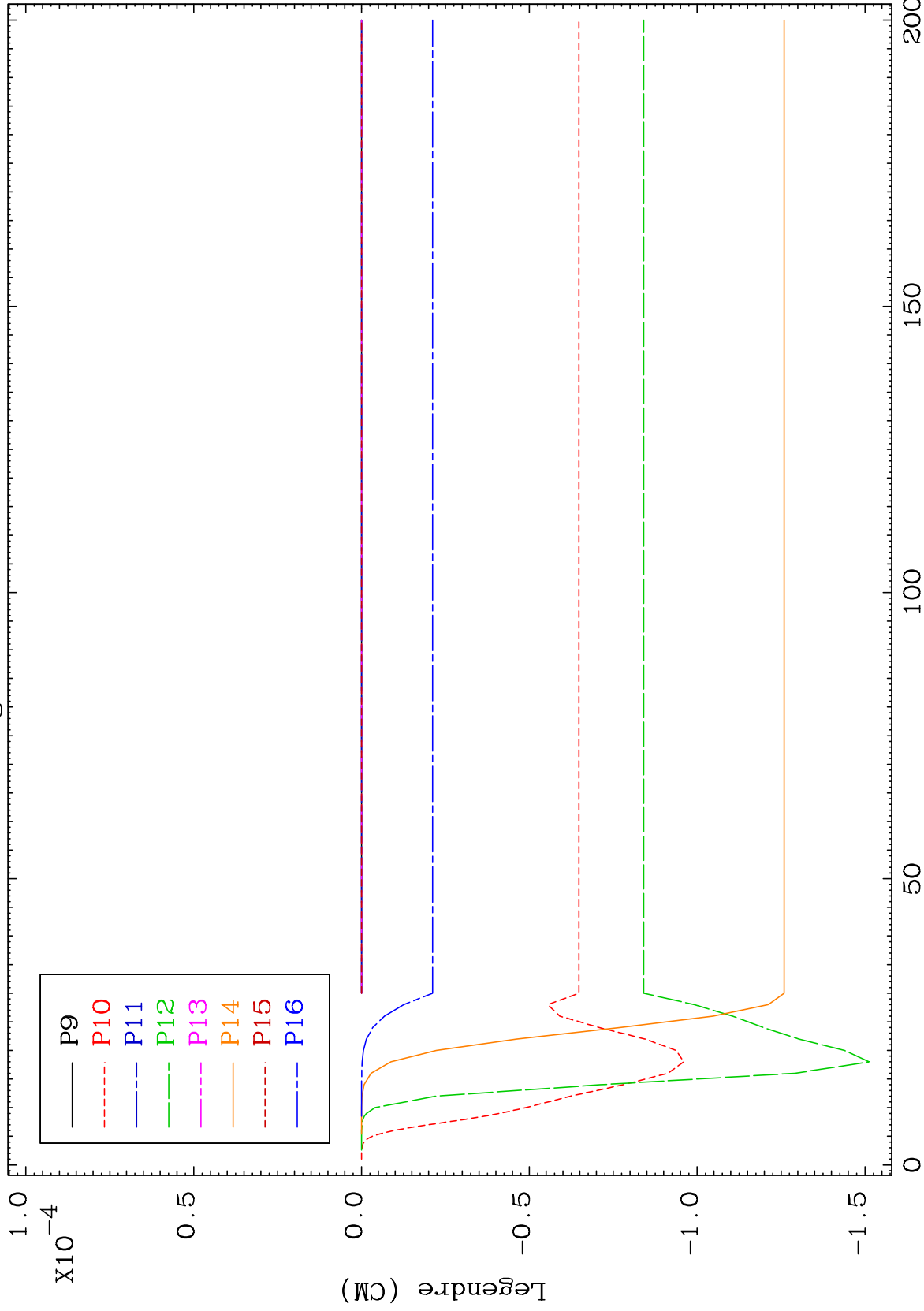
31-Ga-69



MAT 3125

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

31-Ga-69



24

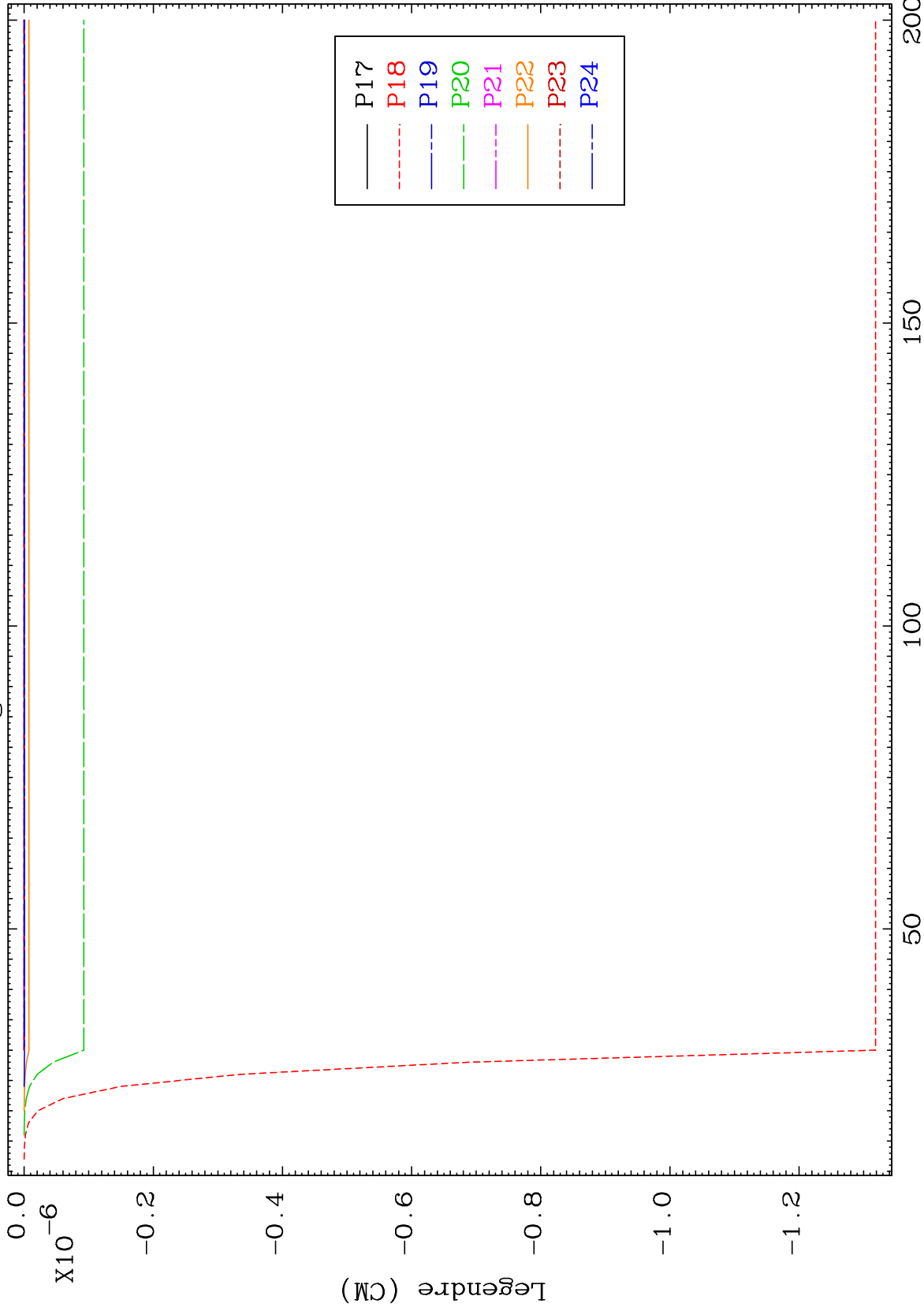
Incident Energy (MeV)

31-Ga-69

MAT 3125

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

31-Ga-69



31-Ga-69

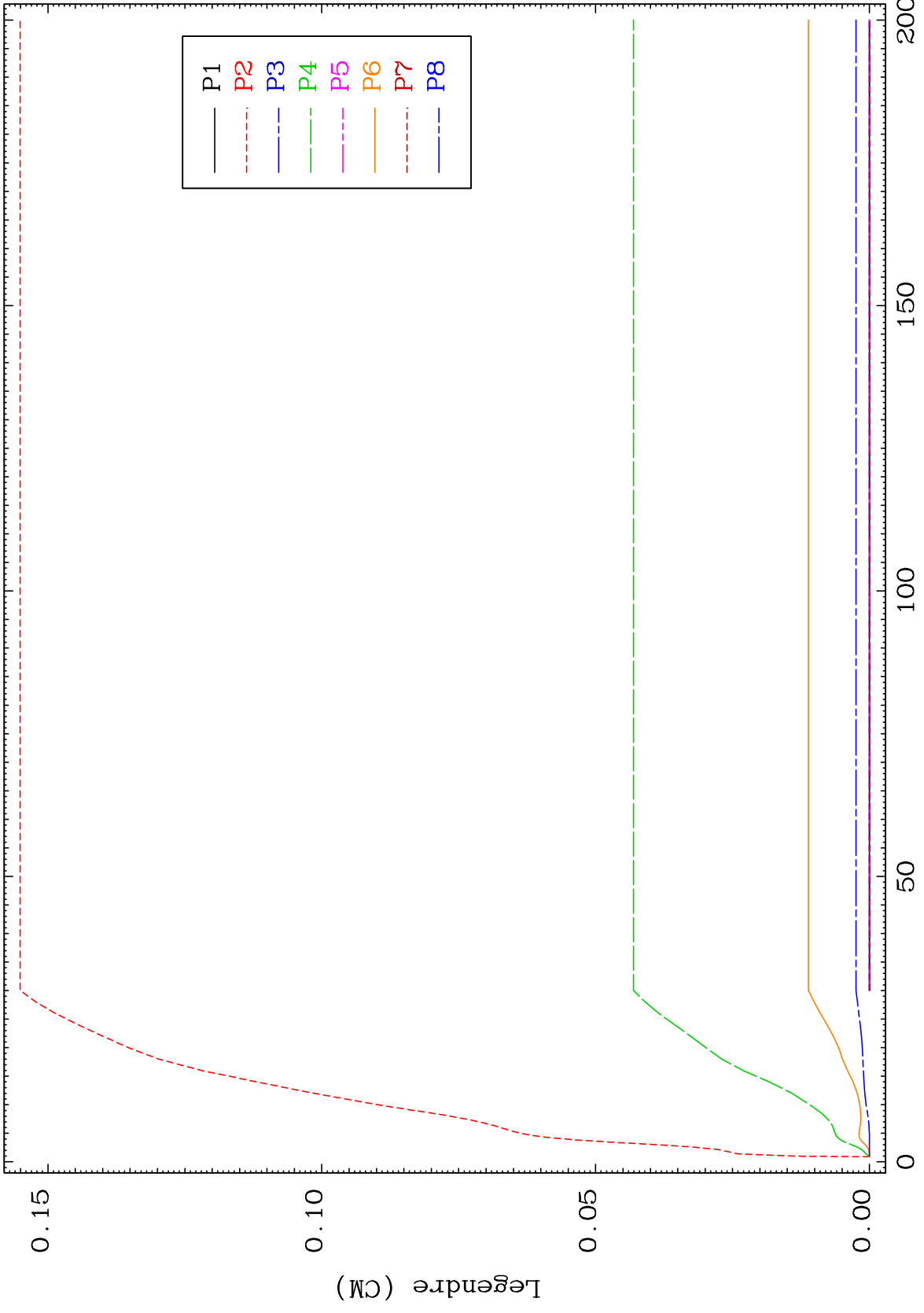
Incident Energy (MeV)

25

MAT 3125

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

31-Ga-69



26

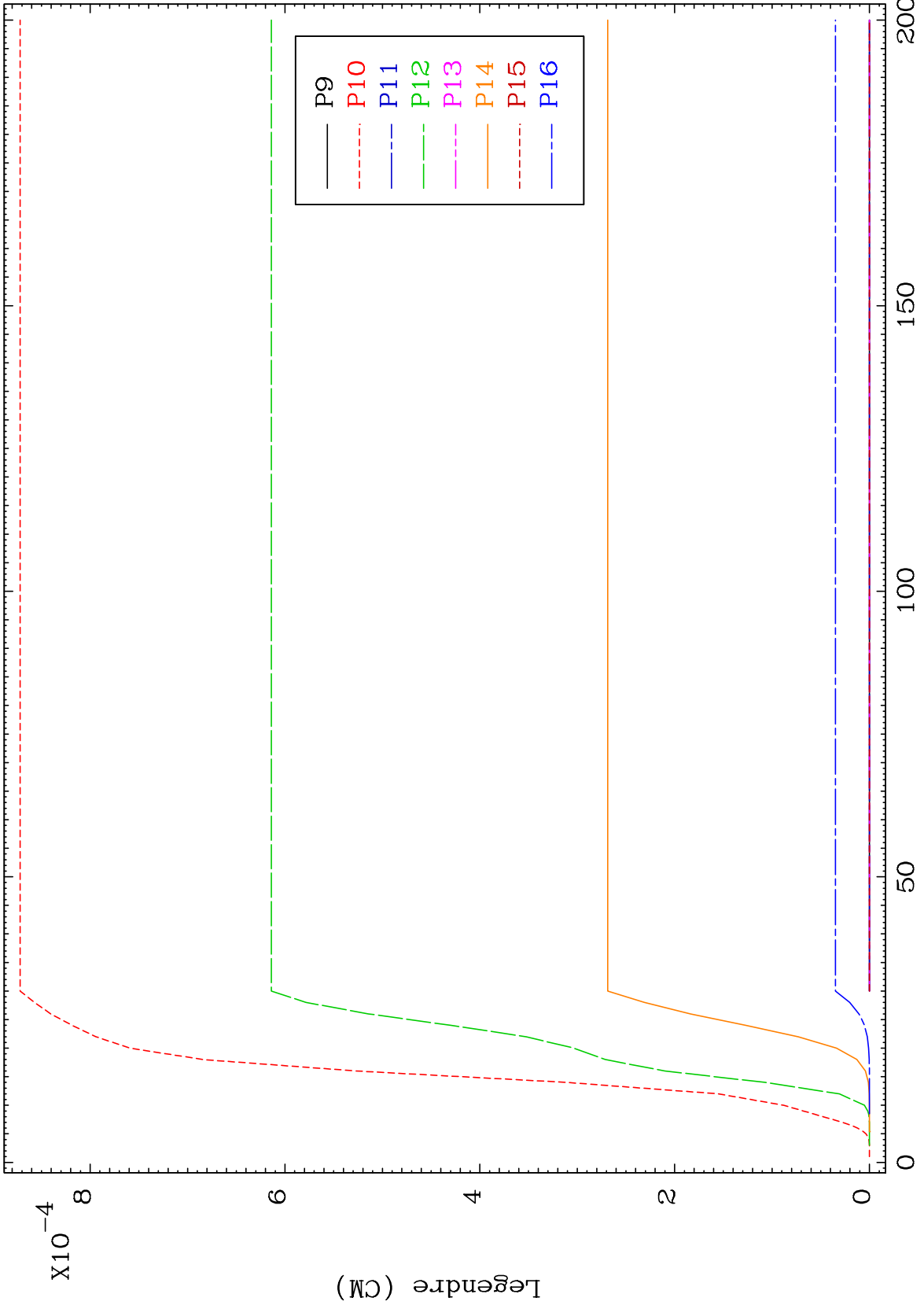
Incident Energy (MeV)

31-Ga-69

MAT 3125

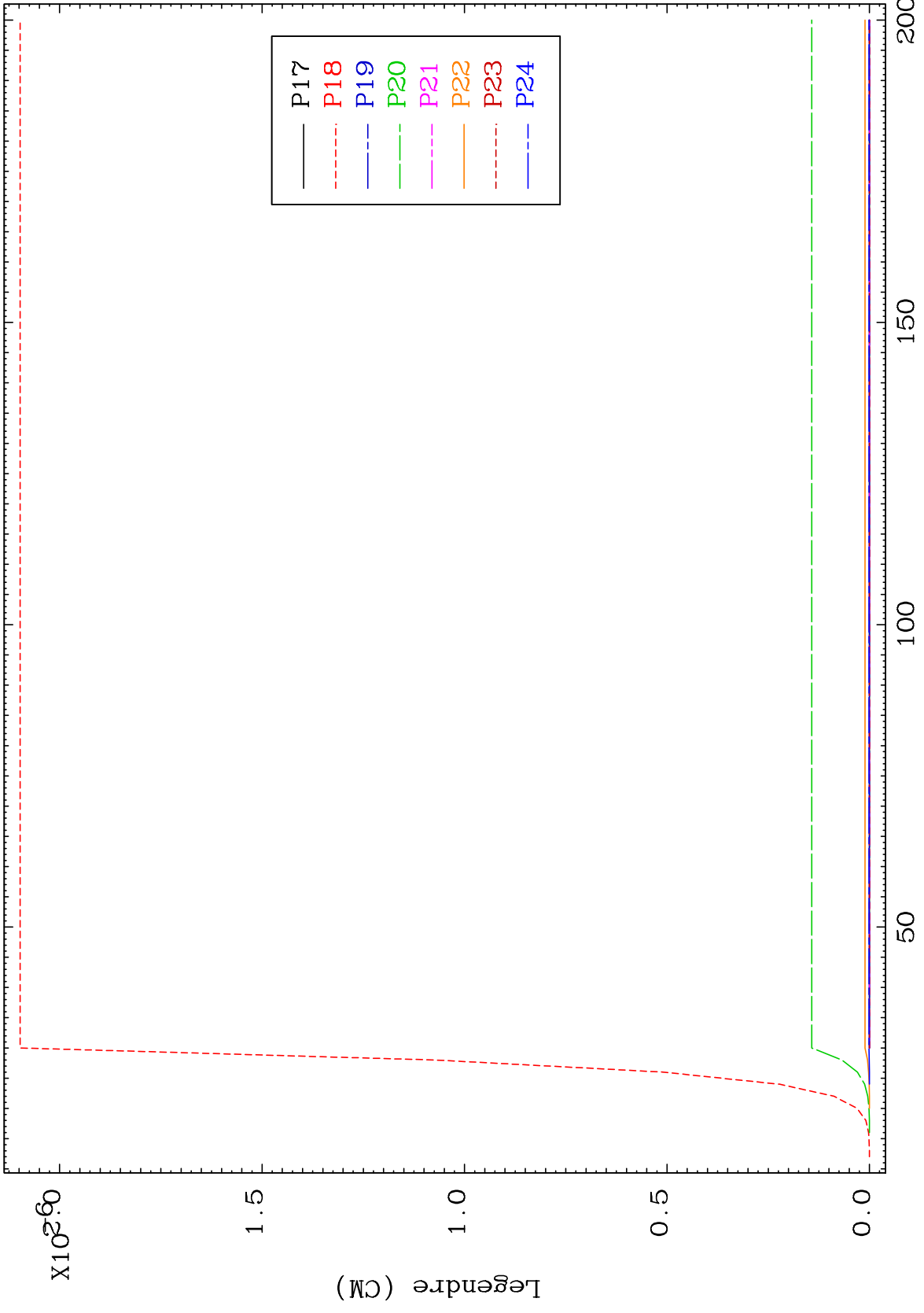
MT= 53 (n,n') Level  
Legendre Coefficients

31-Ga-69



27

MAT 3125 MT= 53 (n,n') Level Legendre Coefficients 31-Ga-69

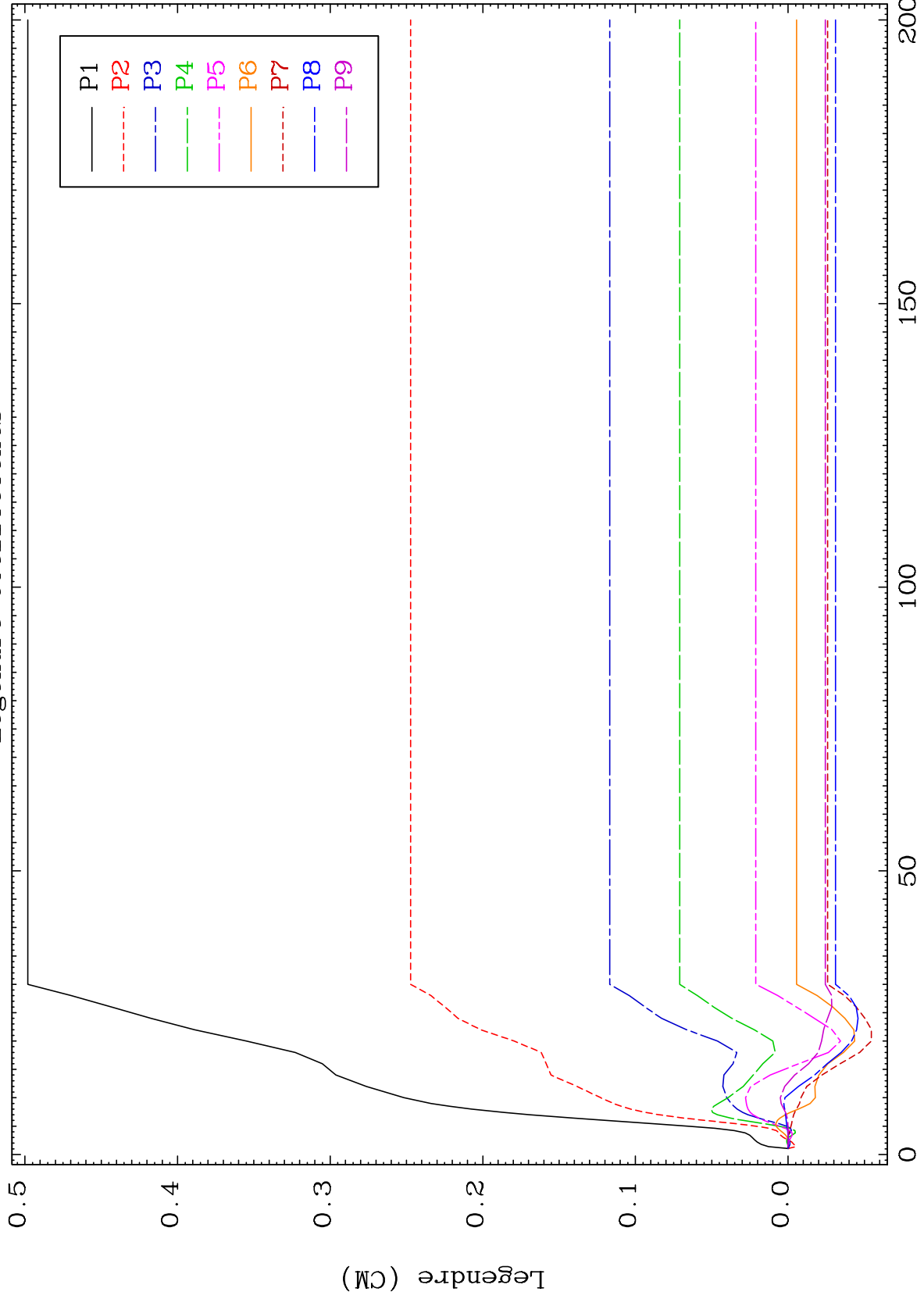


31-Ga-69

MAT 3125

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

31-Ga-69



29

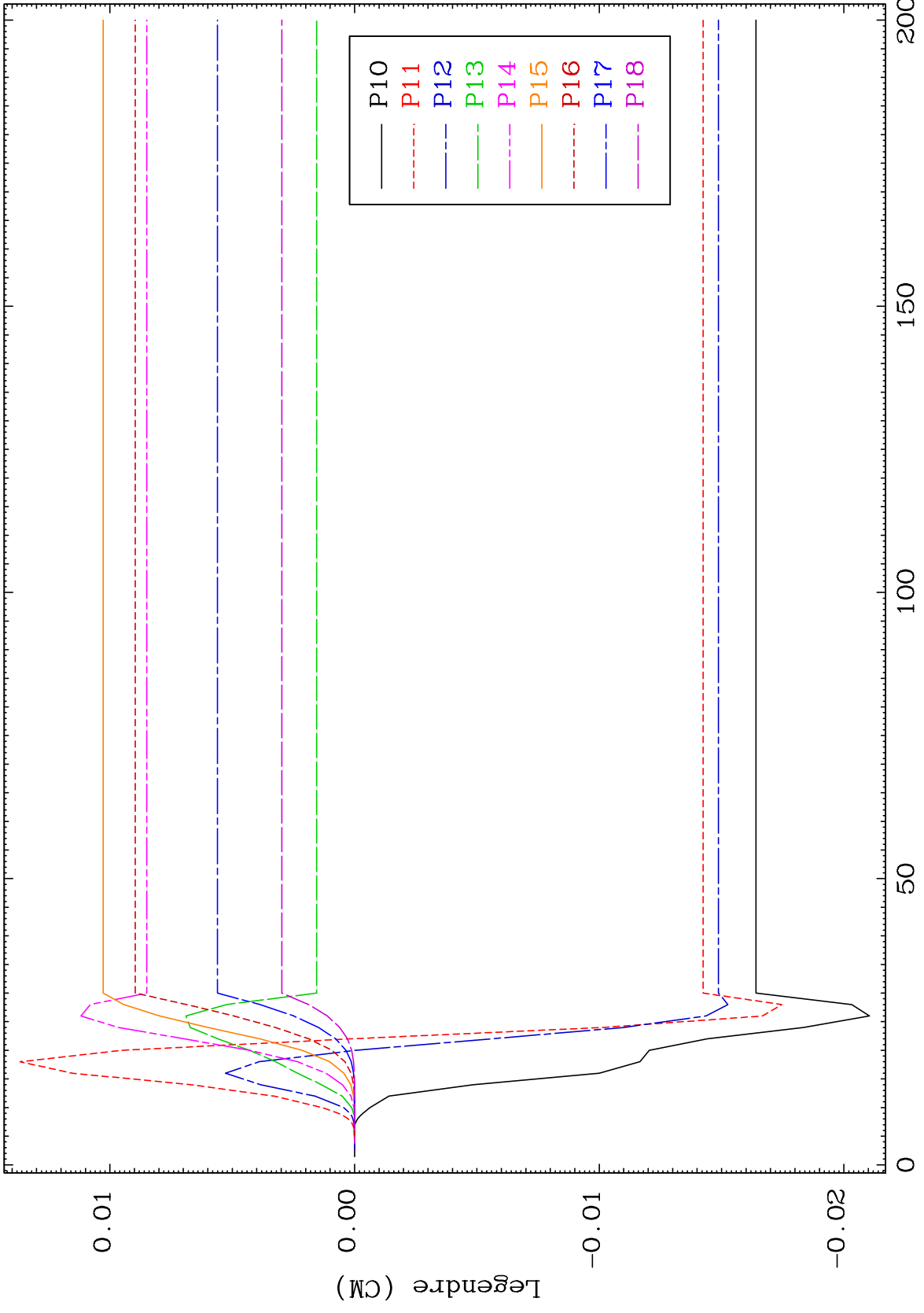
Incident Energy (MeV)

31-Ga-69

MAT 3125

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

31-Ga-69



30

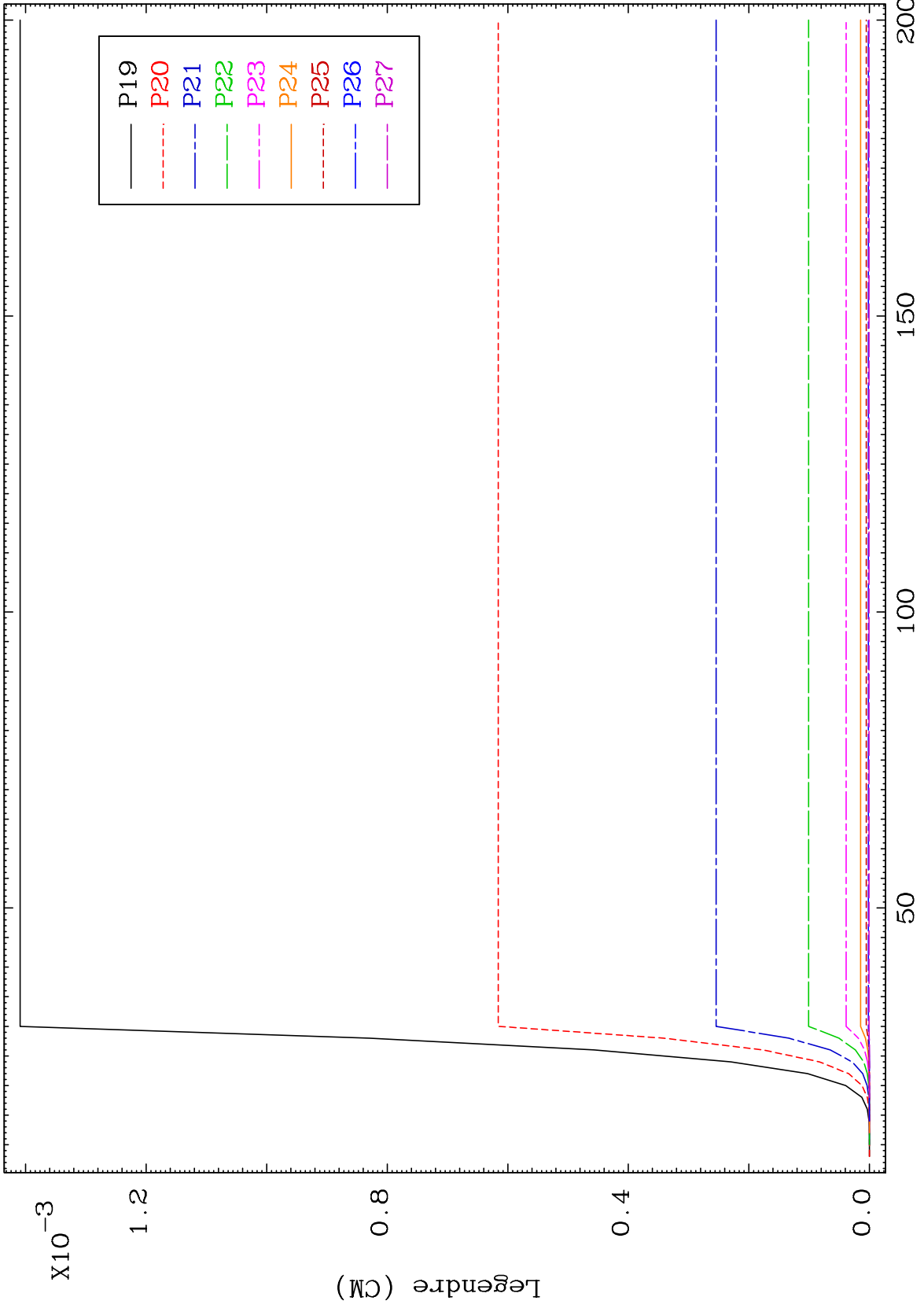
Incident Energy (MeV)

31-Ga-69

MAT 3125

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

31-Ga-69



31

Incident Energy (MeV)

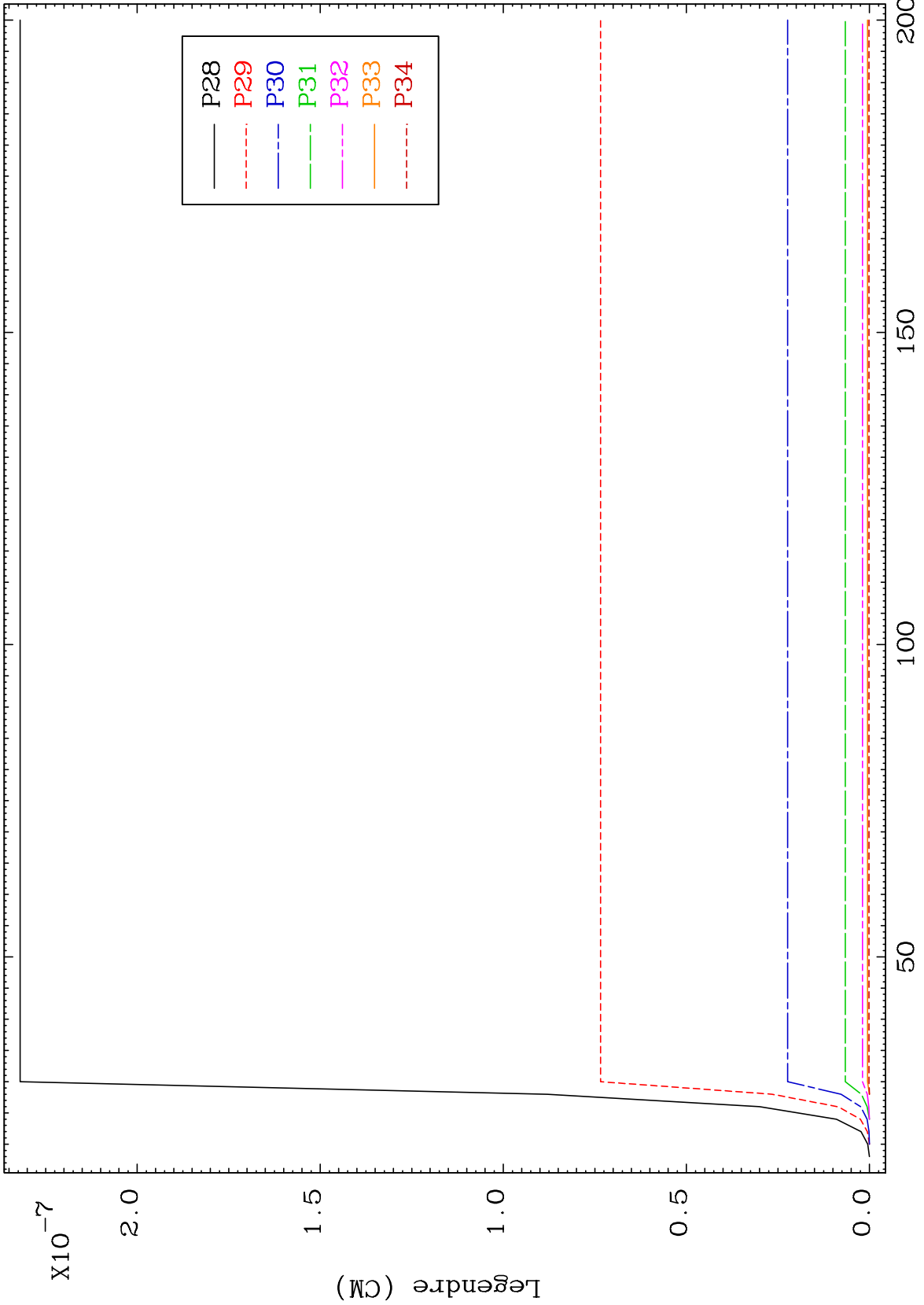
31-Ga-69



MAT 3125

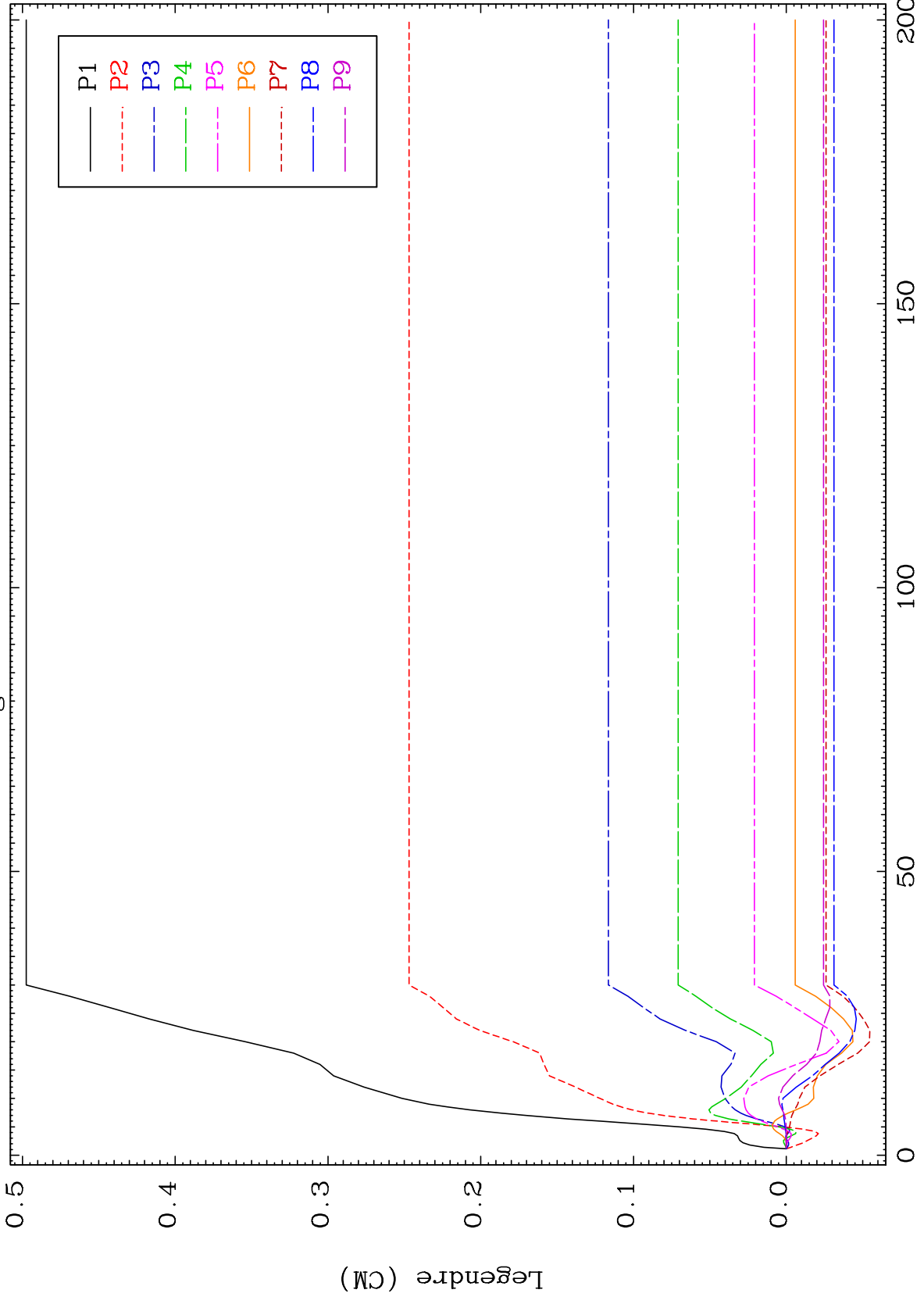
MT= 54 (n,n') Level  
Legendre Coefficients

31-Ga-69



32

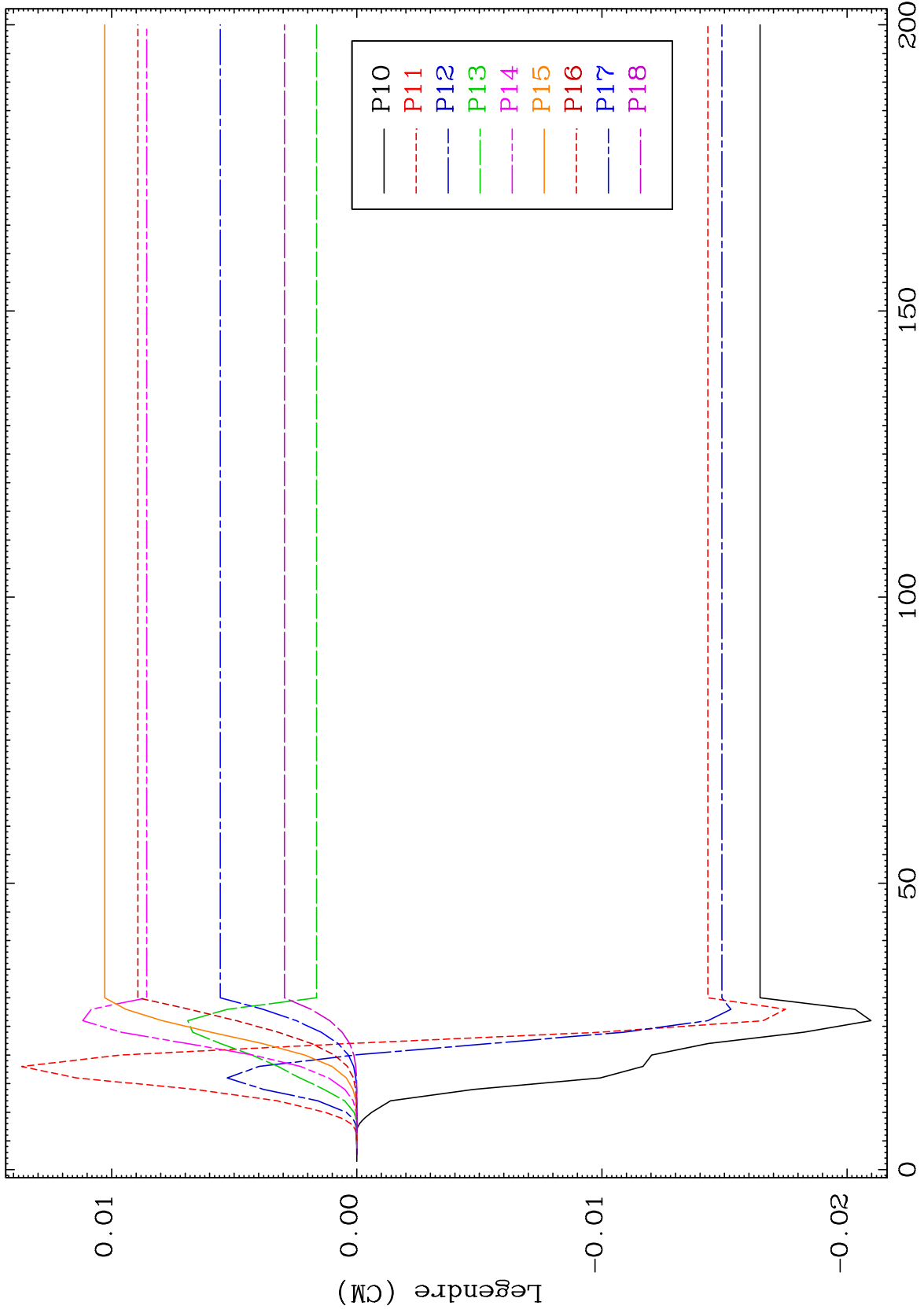
31-Ga-69



MAT 3125

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

31-Ga-69



34

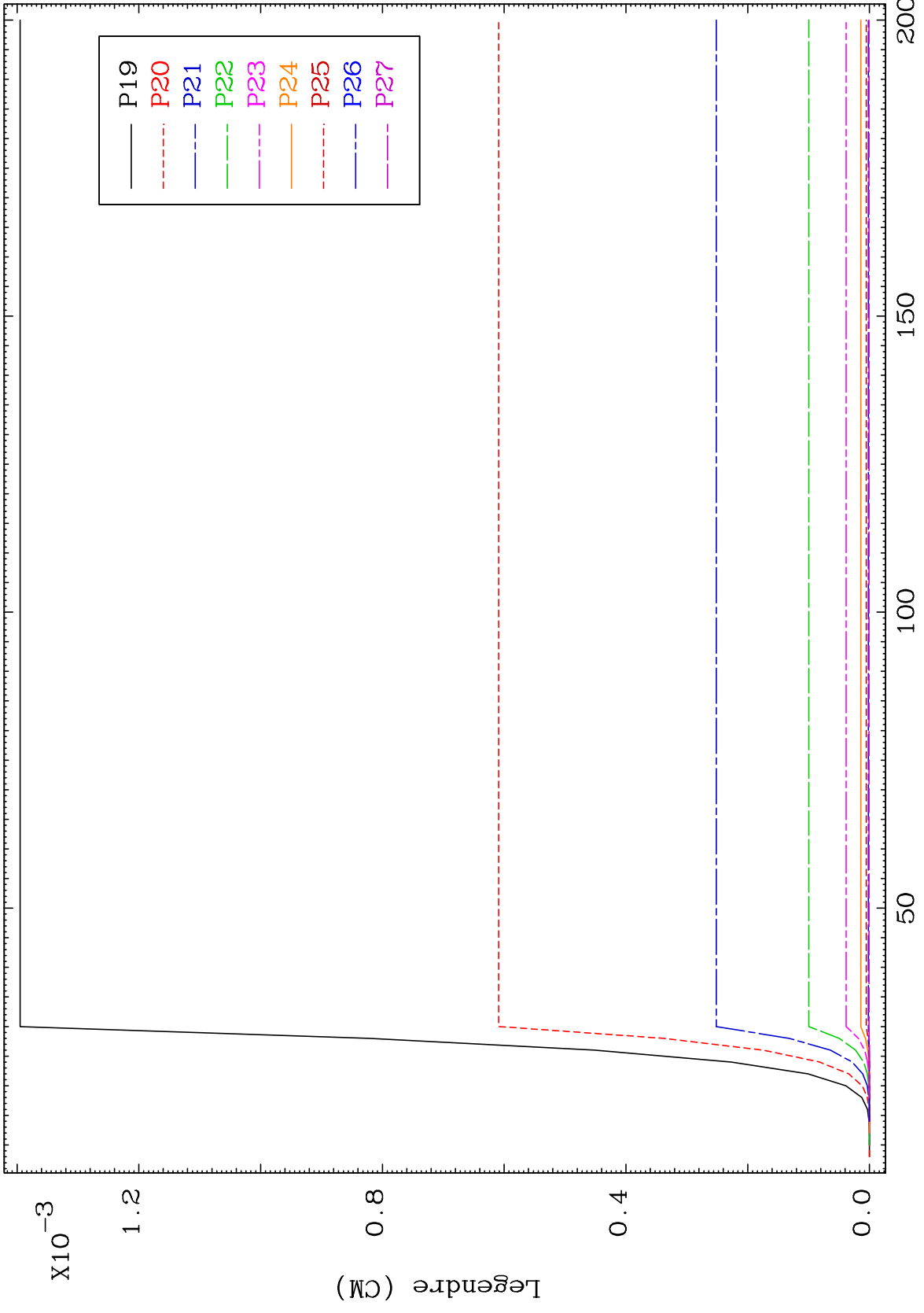
Incident Energy (MeV)

31-Ga-69

MAT 3125

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

31-Ga-69



35

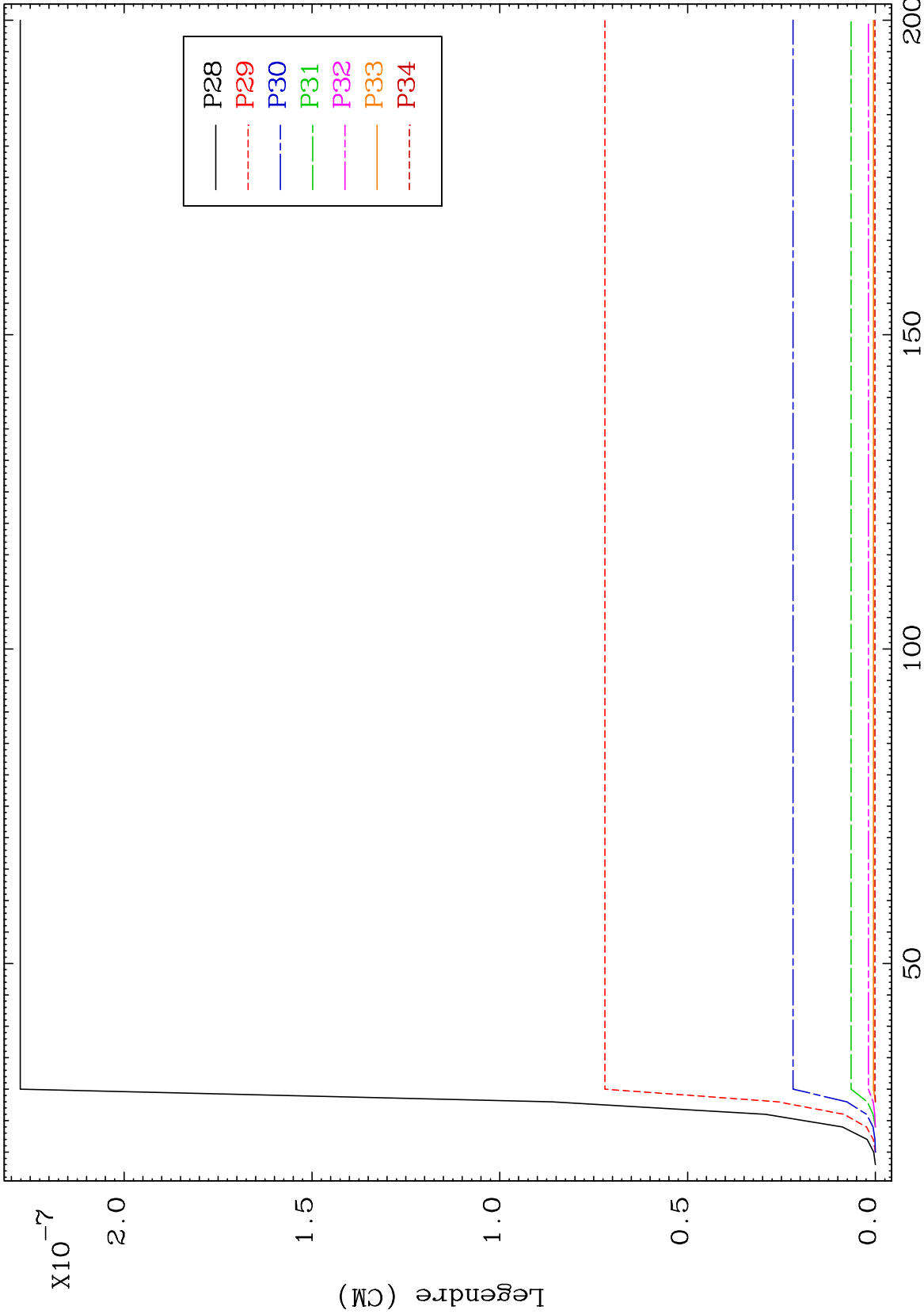
Incident Energy (MeV)

31-Ga-69

MAT 3125

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

31-Ga-69

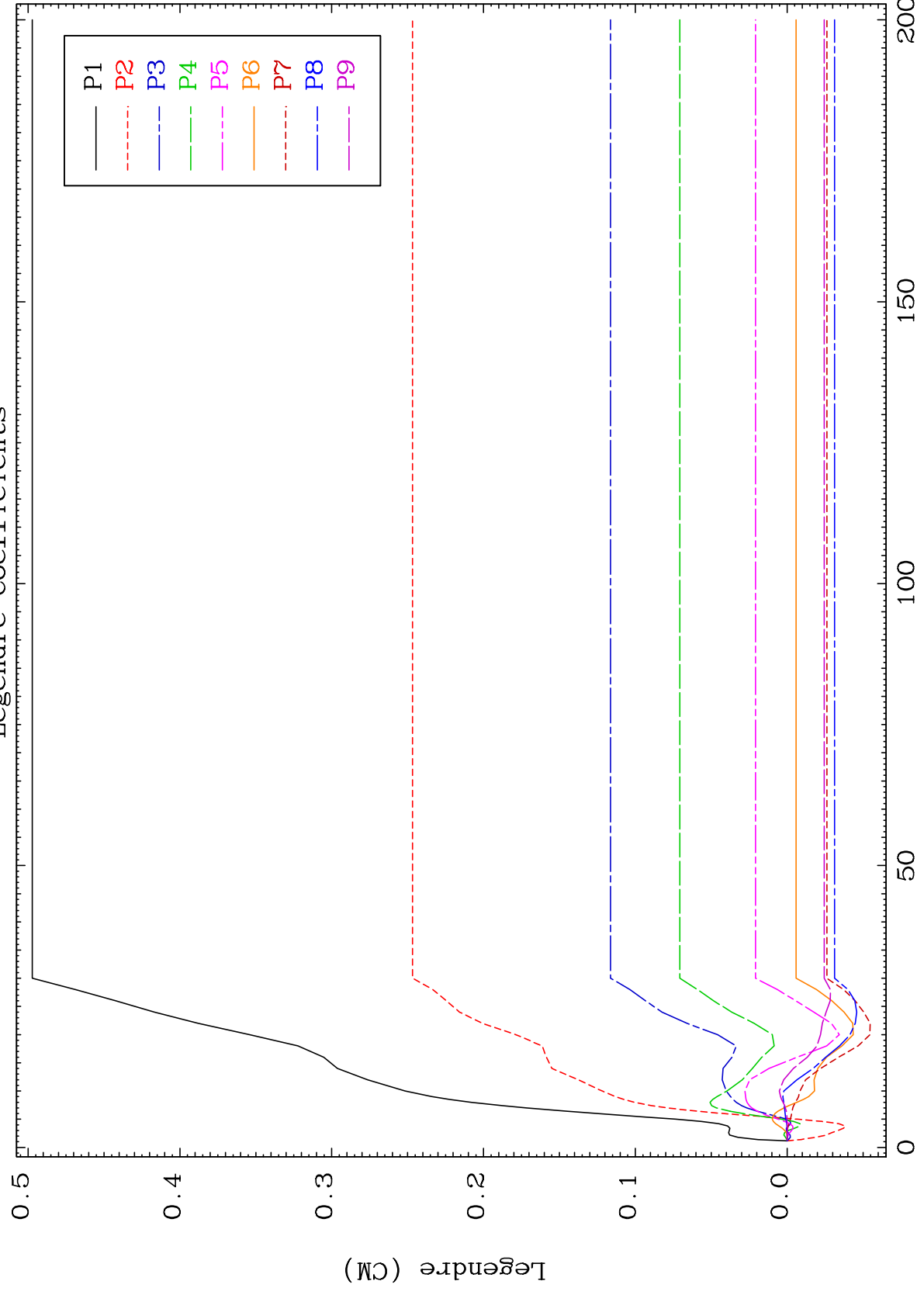


36

Incident Energy (MeV)

31-Ga-69

MAT 3125 MT= 56 (n,n') Level Legendre Coefficients 31-Ga-69

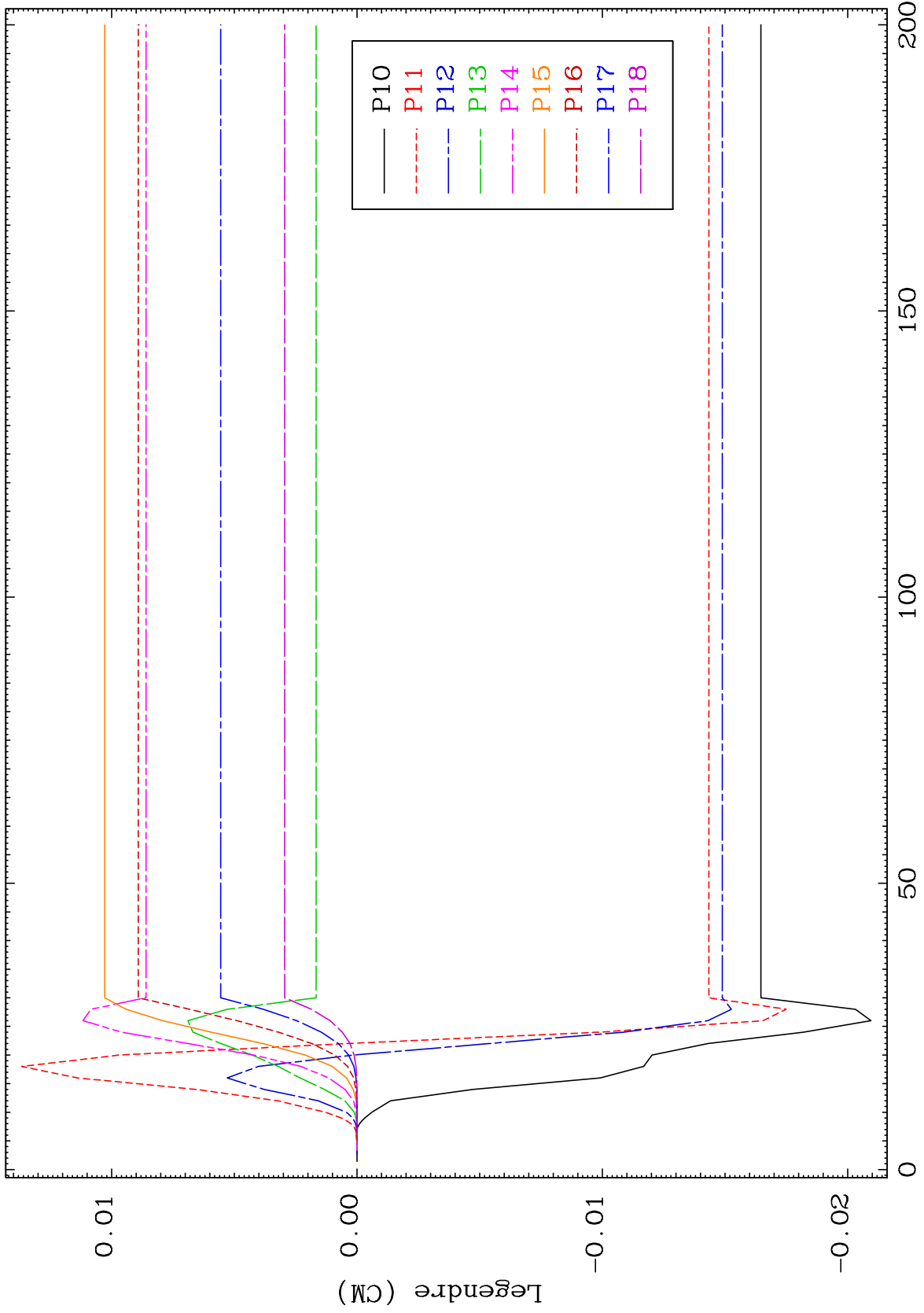


37 31-Ga-69

MAT 3125

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

31-Ga-69



38

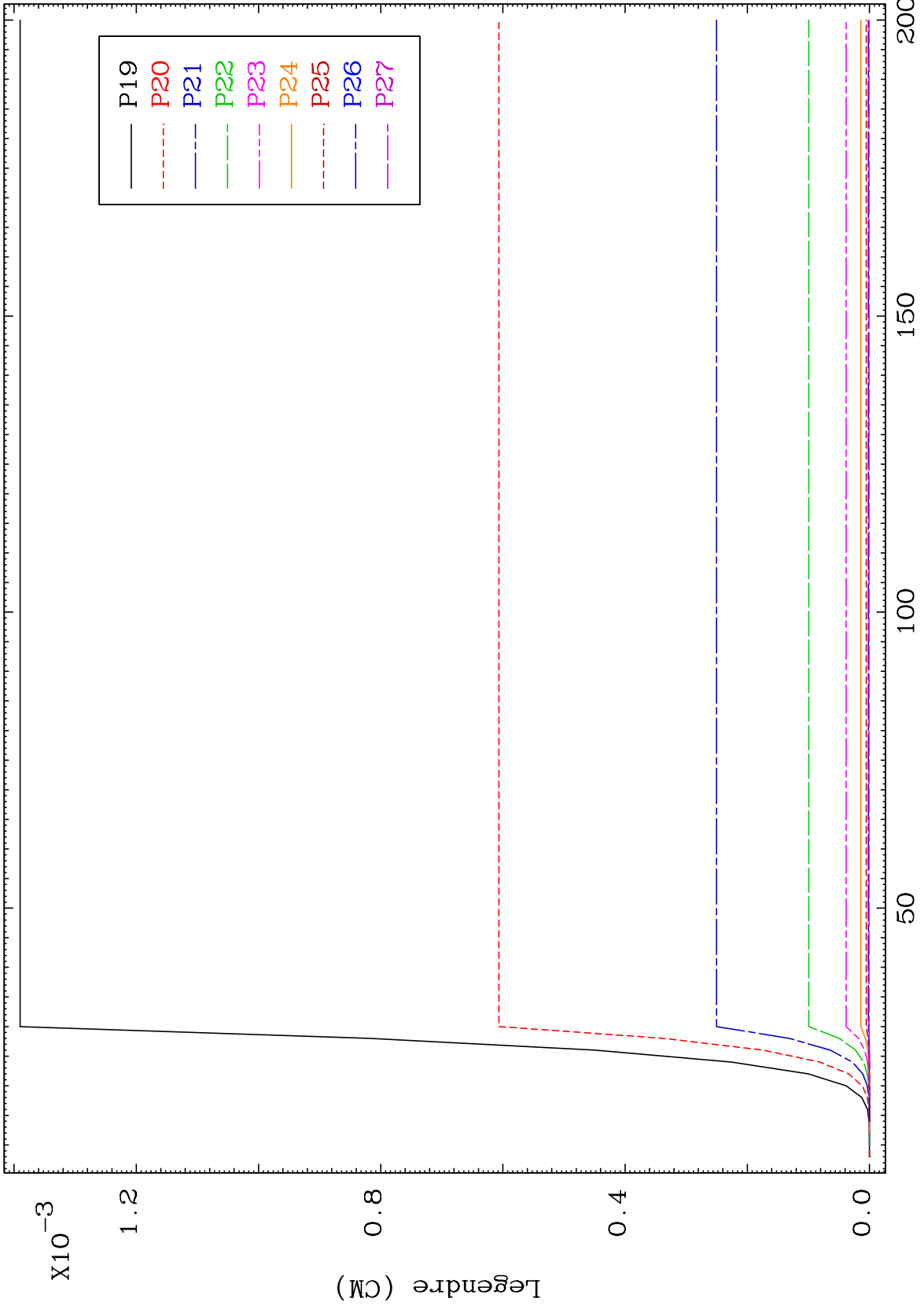
Incident Energy (MeV)

31-Ga-69

MAT 3125

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

31-Ga-69



39

Incident Energy (MeV)

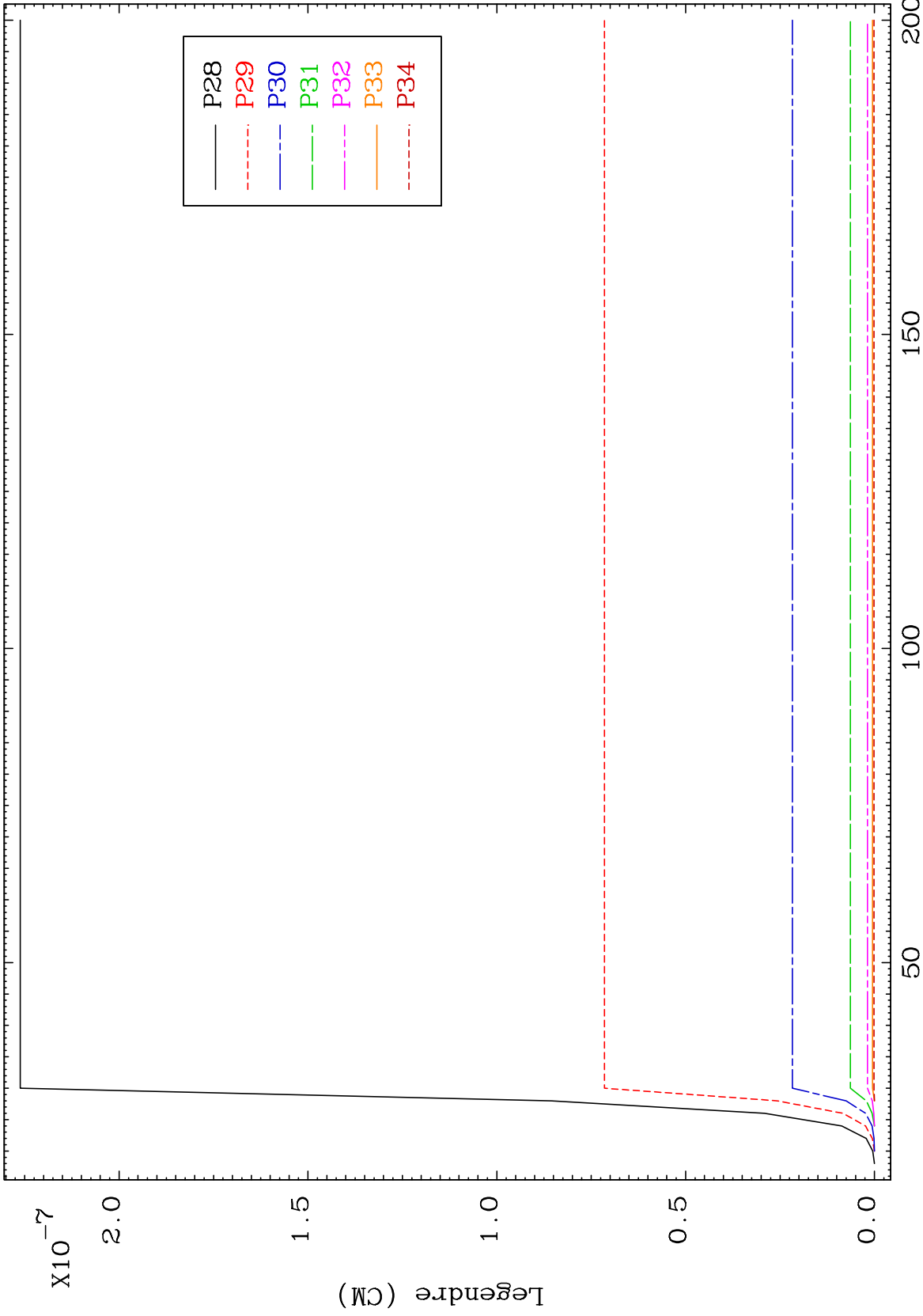
31-Ga-69



MAT 3125

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

31-Ga-69



40

Incident Energy (MeV)

50

100

150

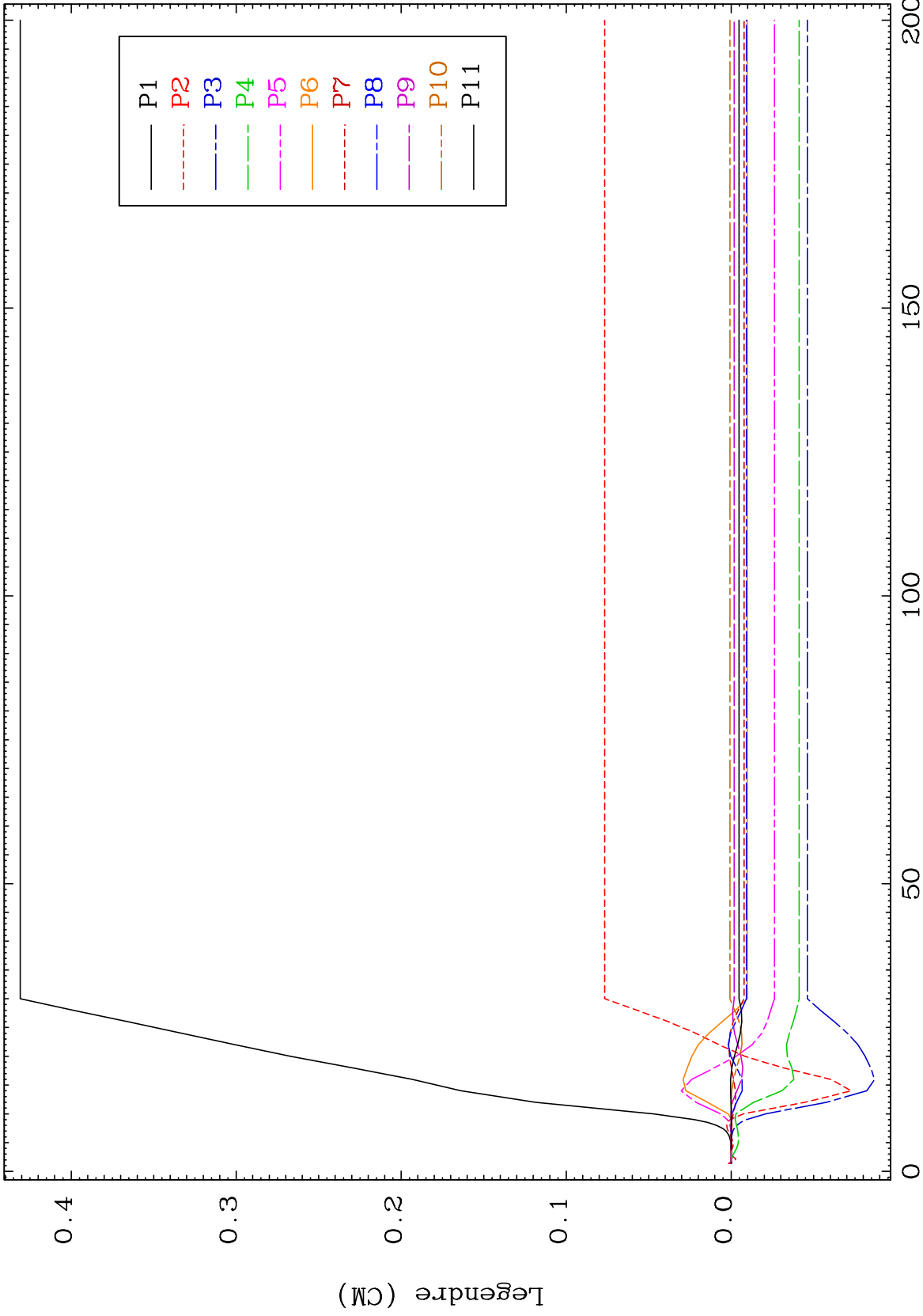
200

31-Ga-69

MAT 3125

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

31-Ga-69



41

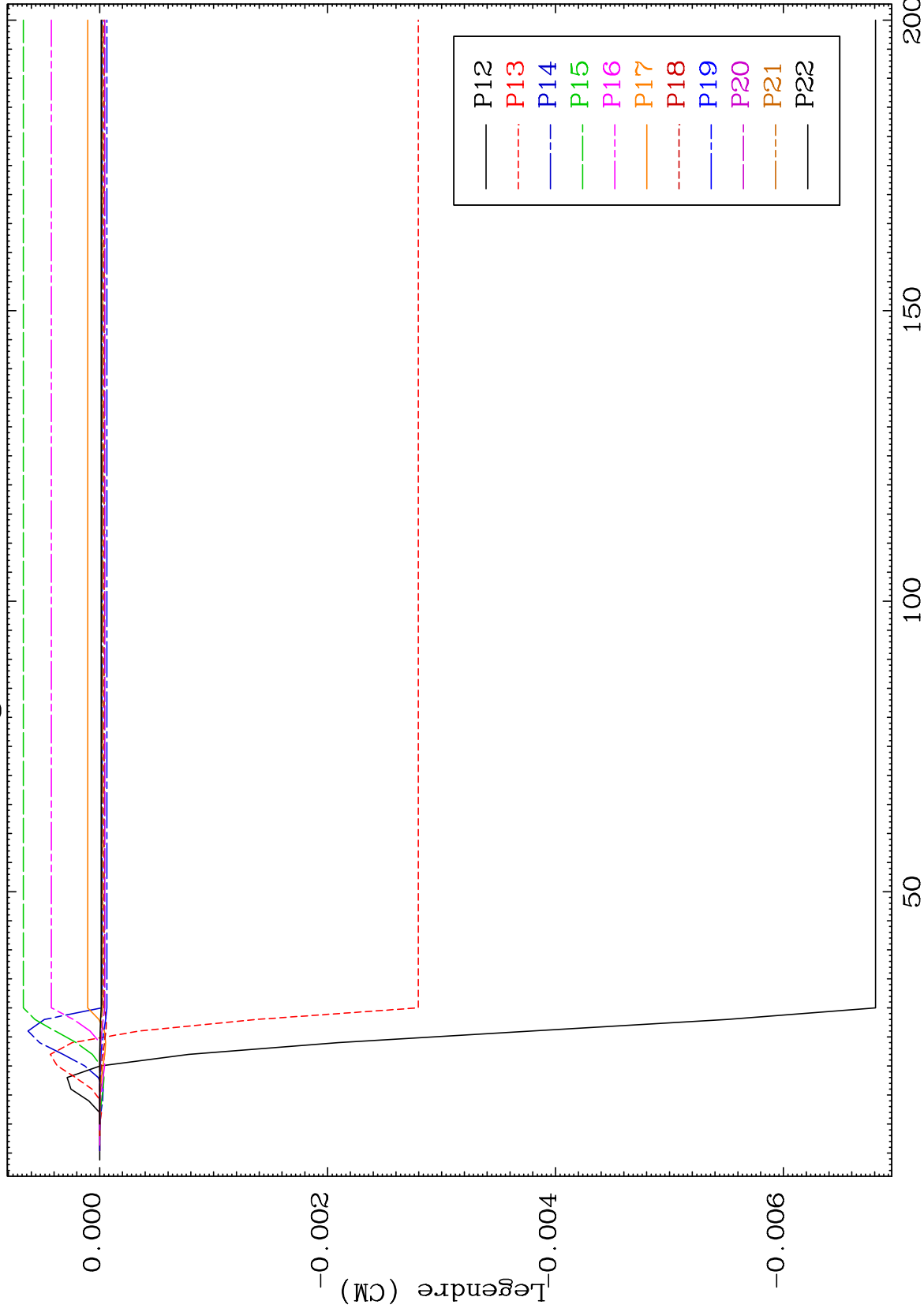
Incident Energy (MeV)

31-Ga-69

MAT 3125

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

31-Ga-69



42

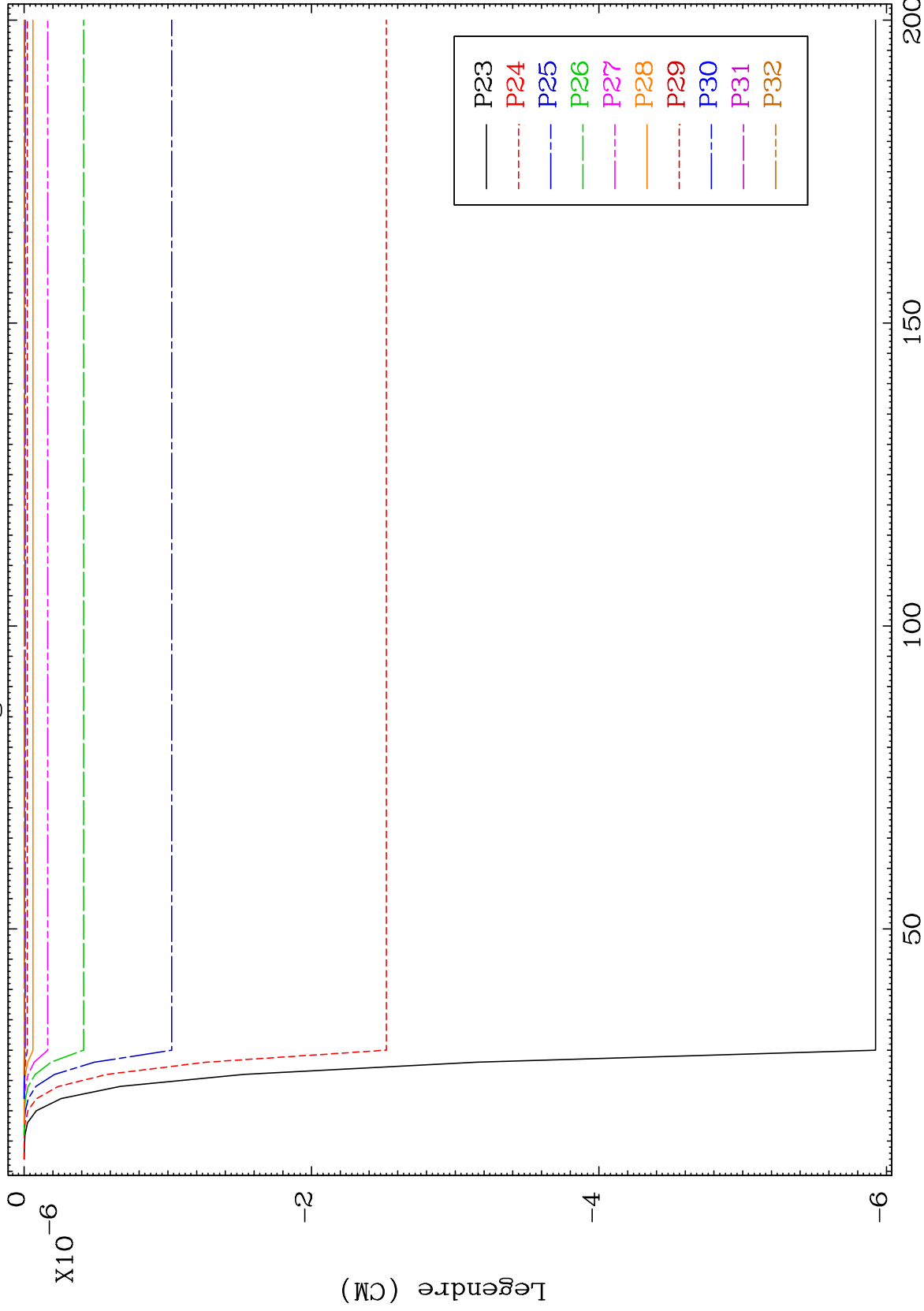
Incident Energy (MeV)

31-Ga-69

MAT 3125

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

31-Ga-69

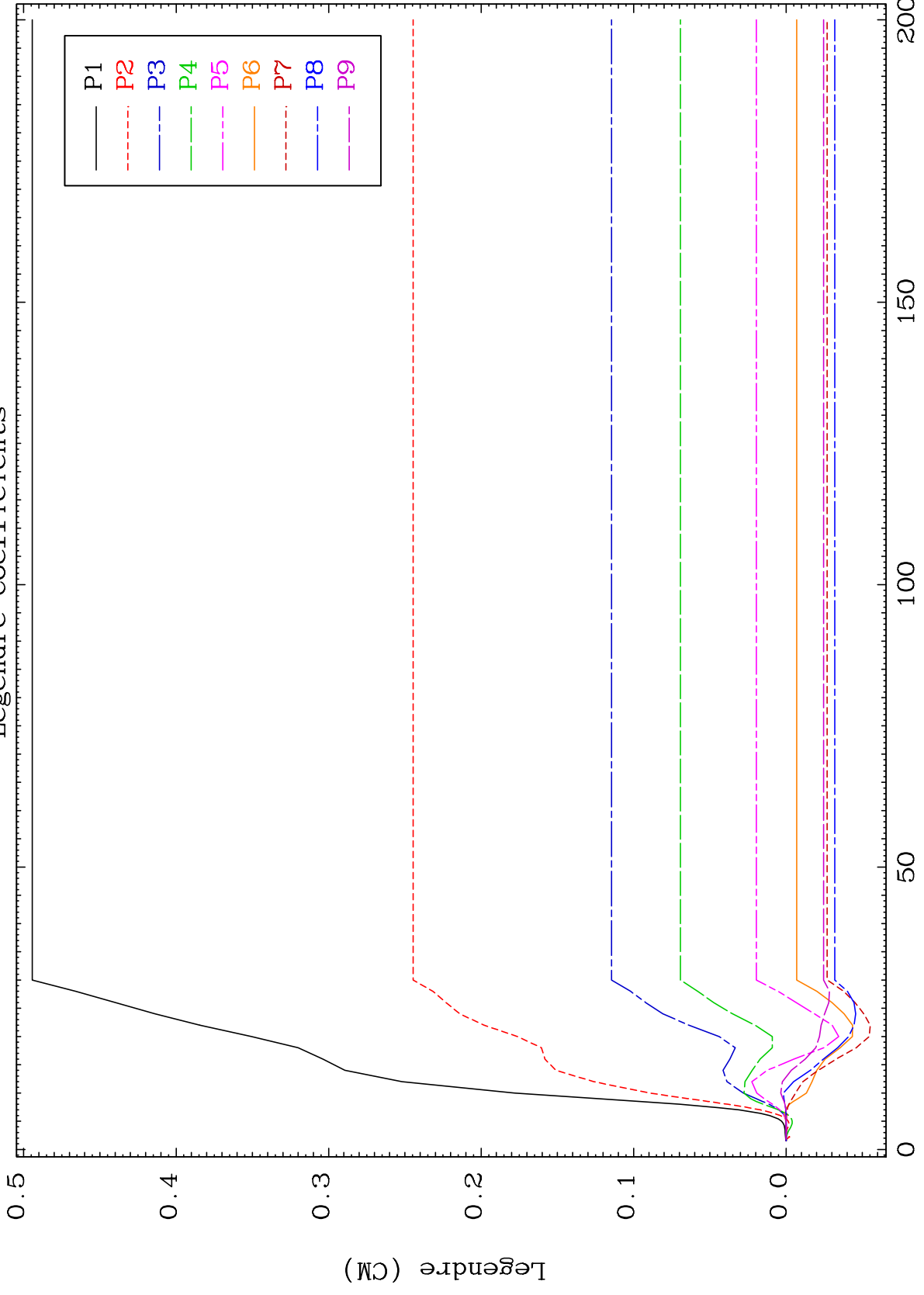


31-Ga-69

Incident Energy (MeV)

43

MAT 3125 MT= 58 (n,n') Level Legendre Coefficients 31-Ga-69

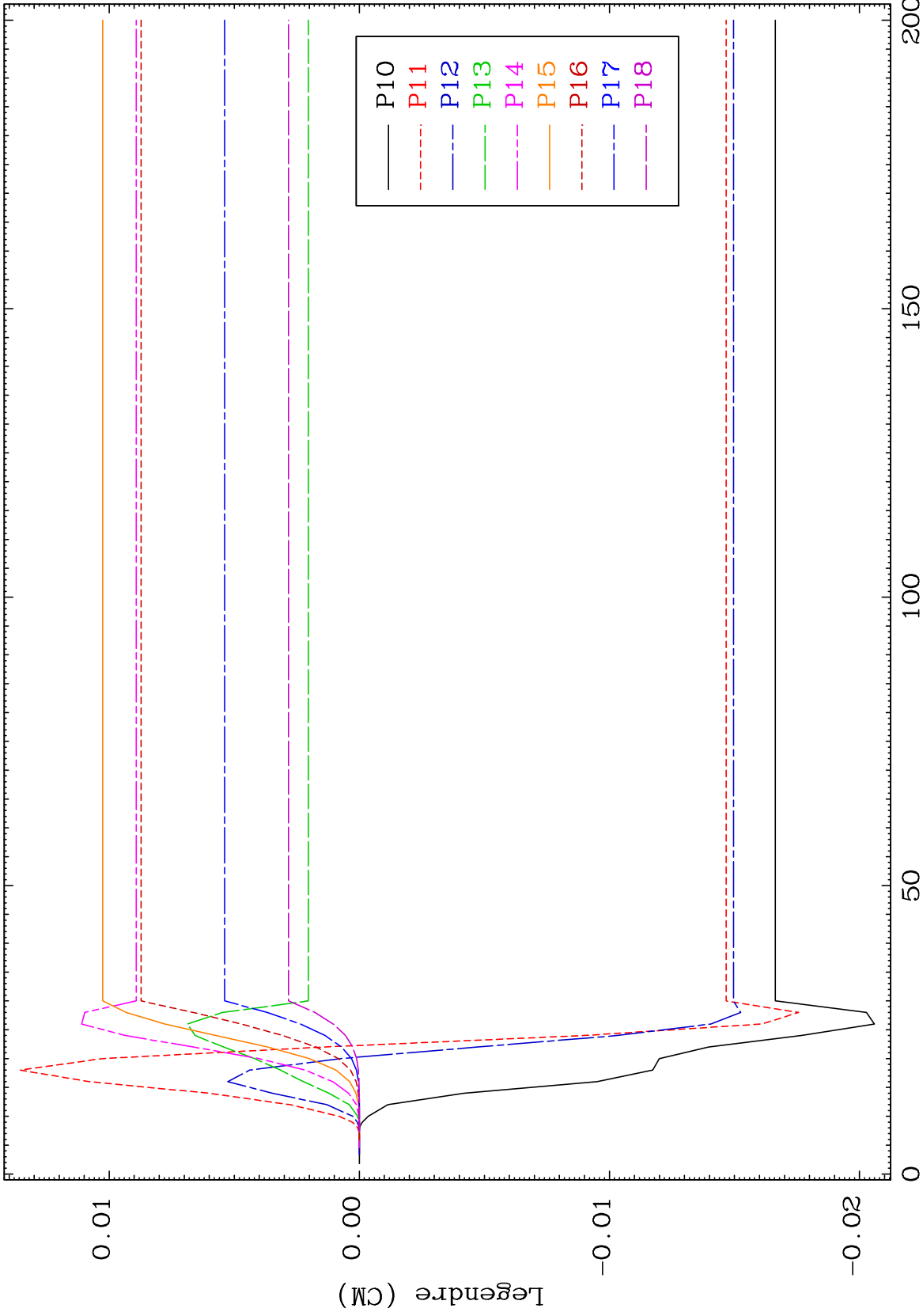


44 31-Ga-69

MAT 3125

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

31-Ga-69



45

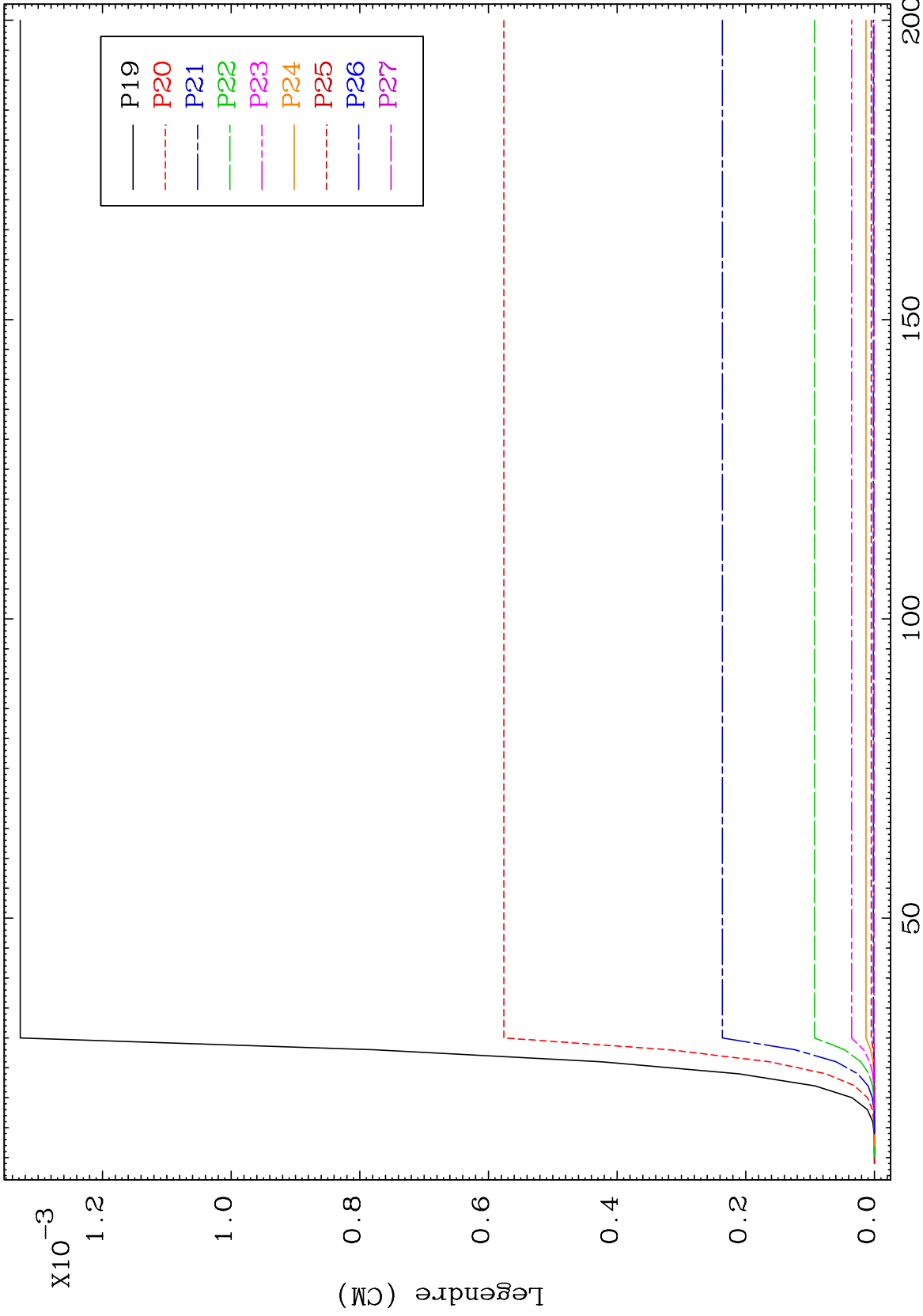
Incident Energy (MeV)

31-Ga-69

MAT 3125

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

31-Ga-69



46

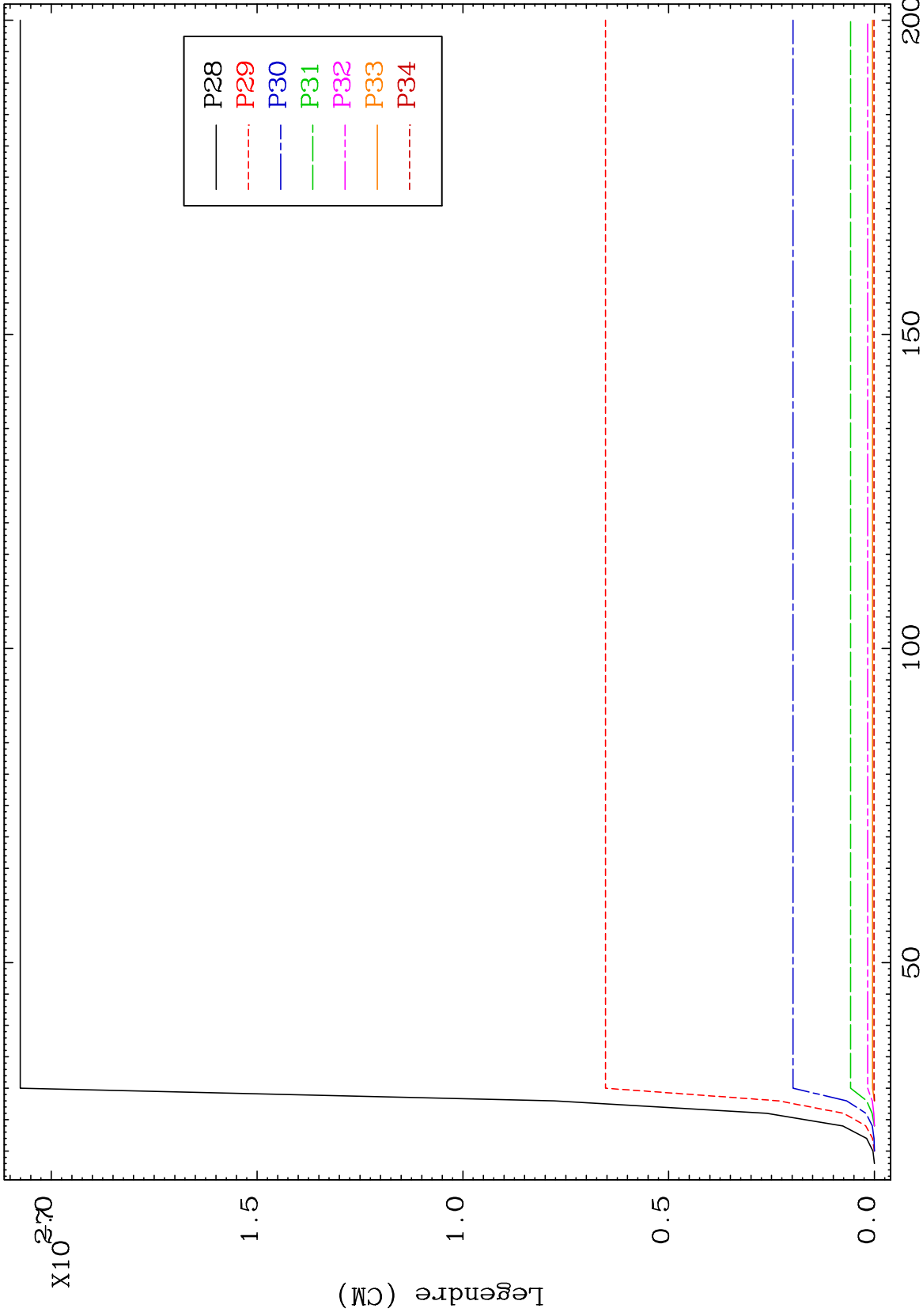
Incident Energy (MeV)

31-Ga-69

MAT 3125

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

31-Ga-69



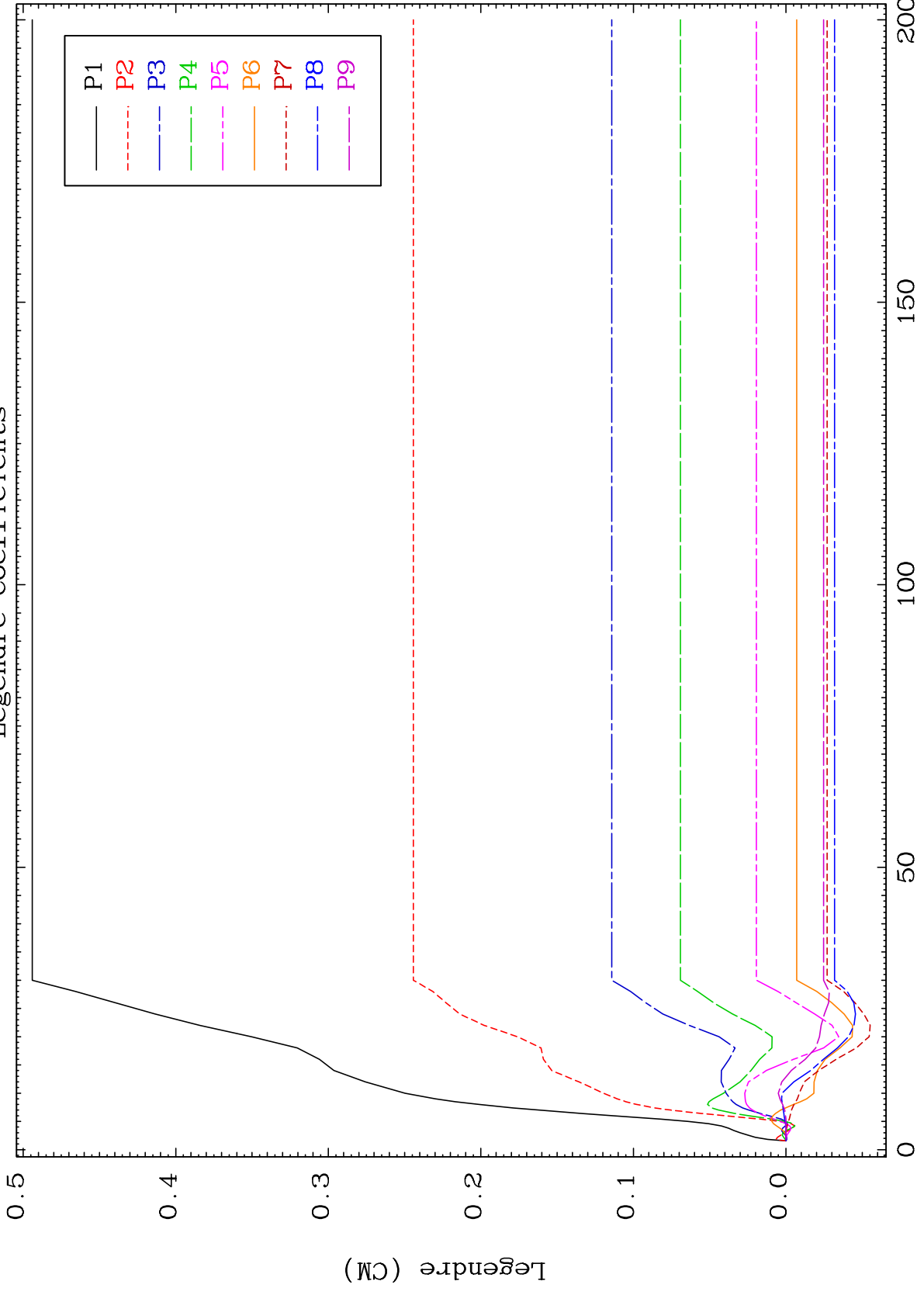
47

Incident Energy (MeV)

31-Ga-69



MAT 3125 MT= 59 (n,n') Level Legendre Coefficients 31-Ga-69

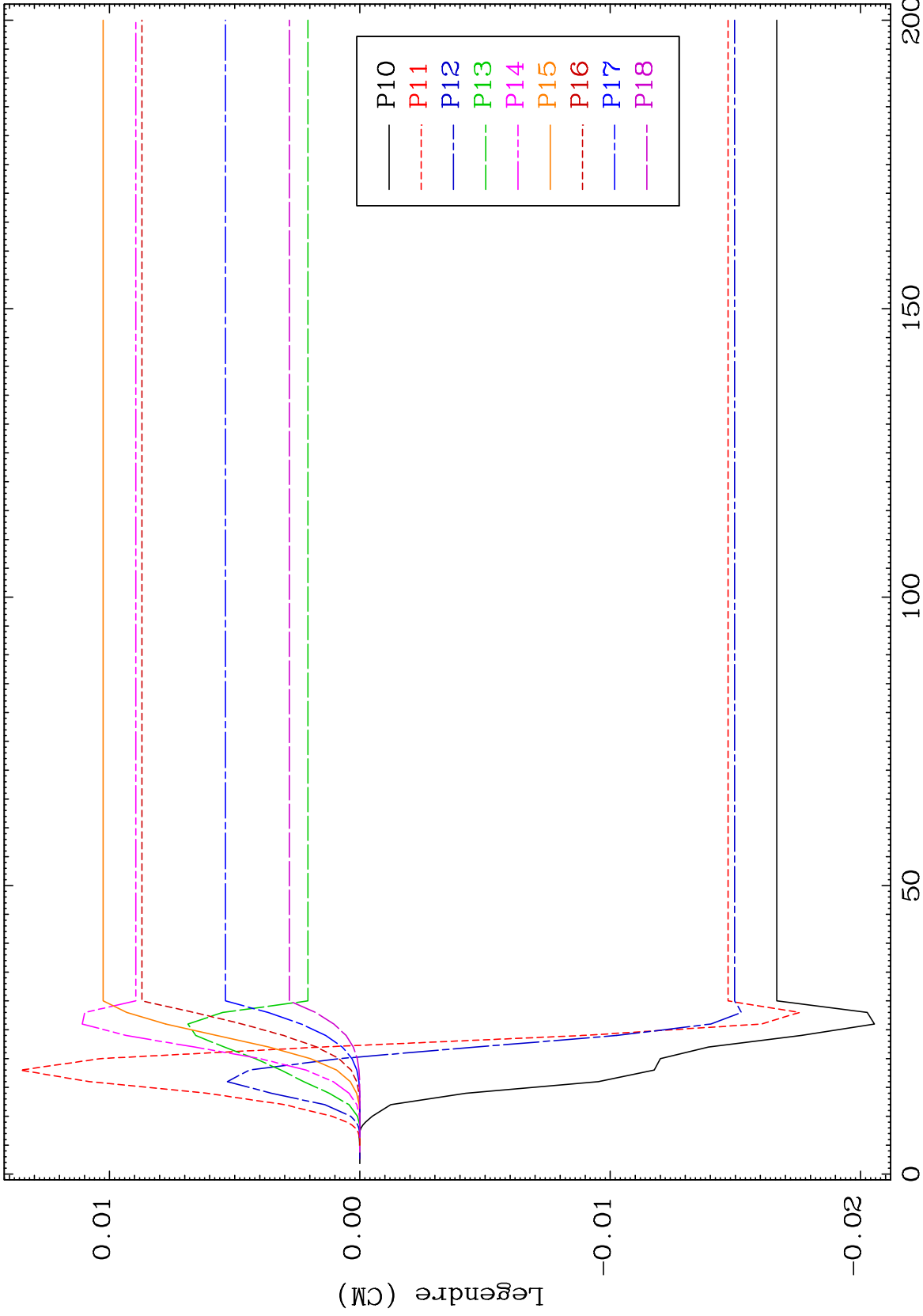


48 31-Ga-69

MAT 3125

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

31-Ga-69



49

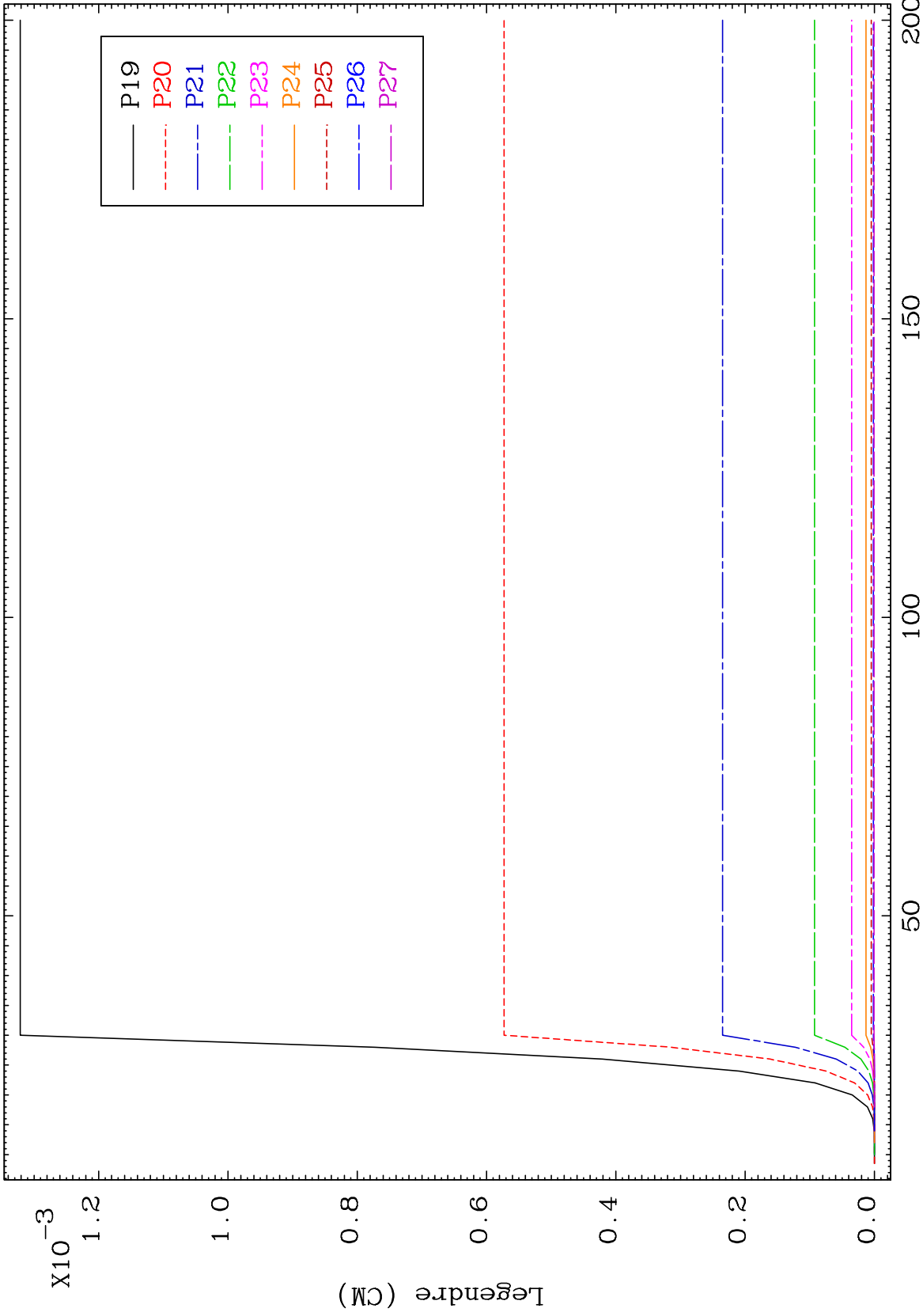
Incident Energy (MeV)

31-Ga-69

MAT 3125

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

31-Ga-69



50

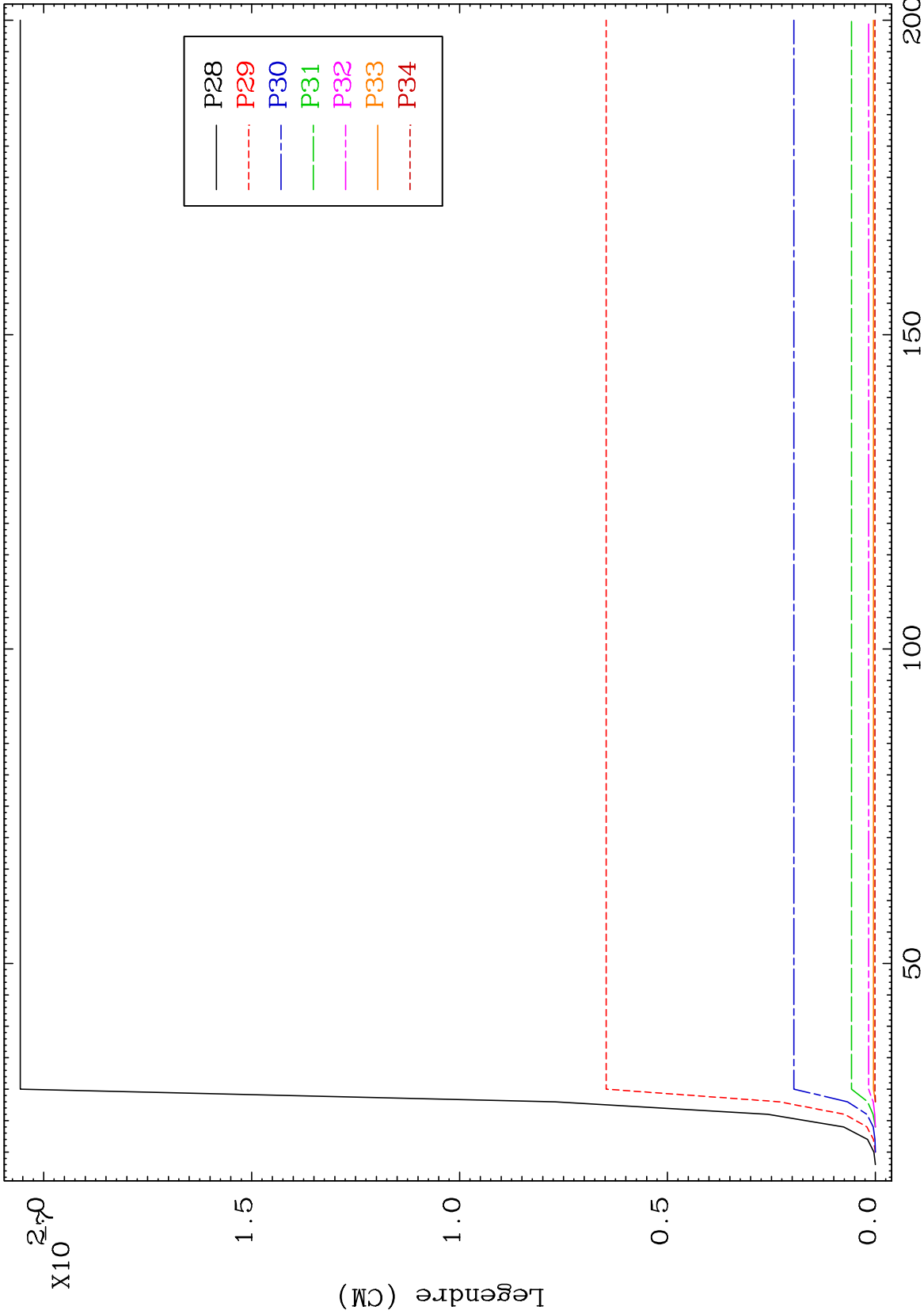
Incident Energy (MeV)

31-Ga-69

MAT 3125

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

31-Ga-69

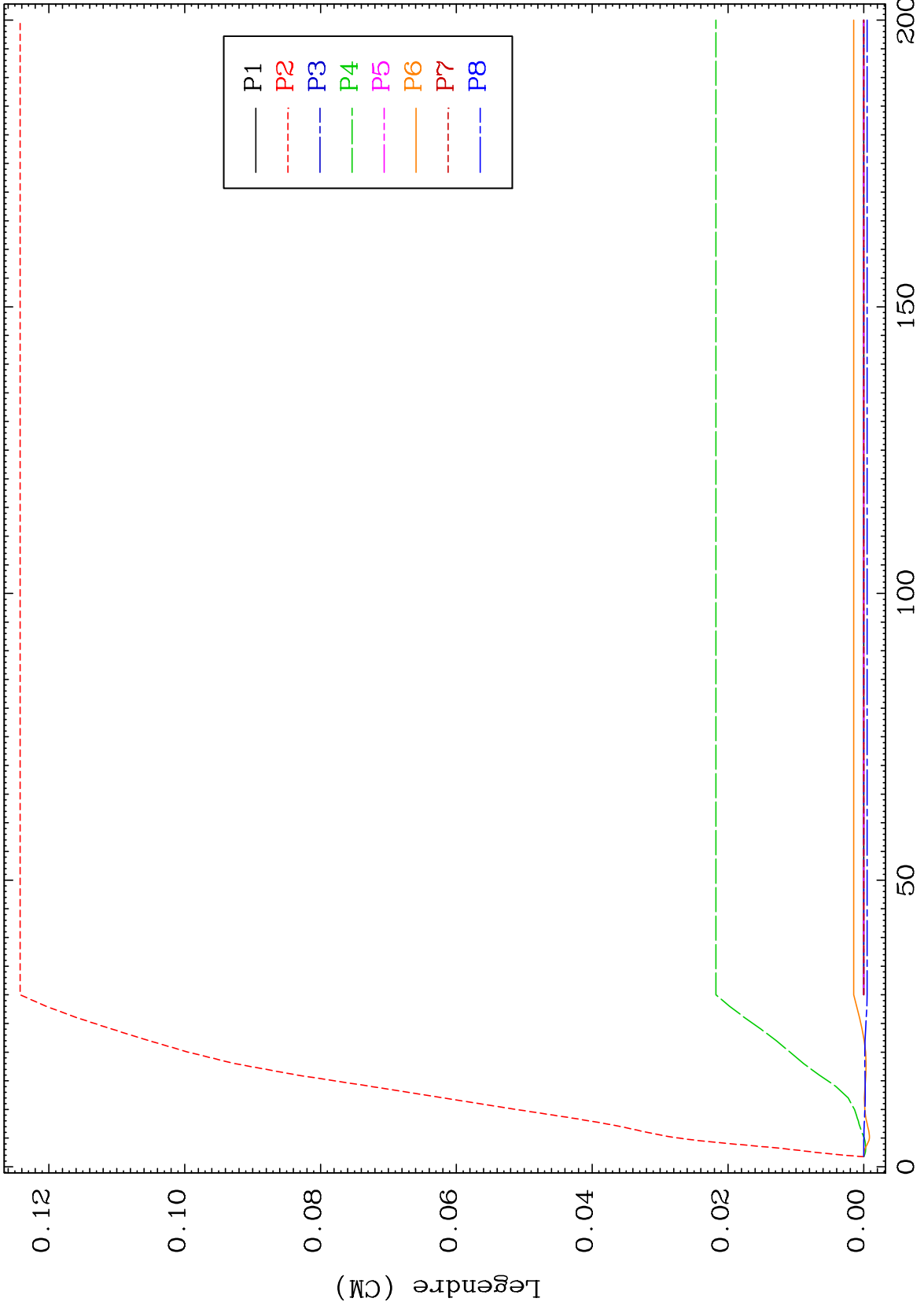


51

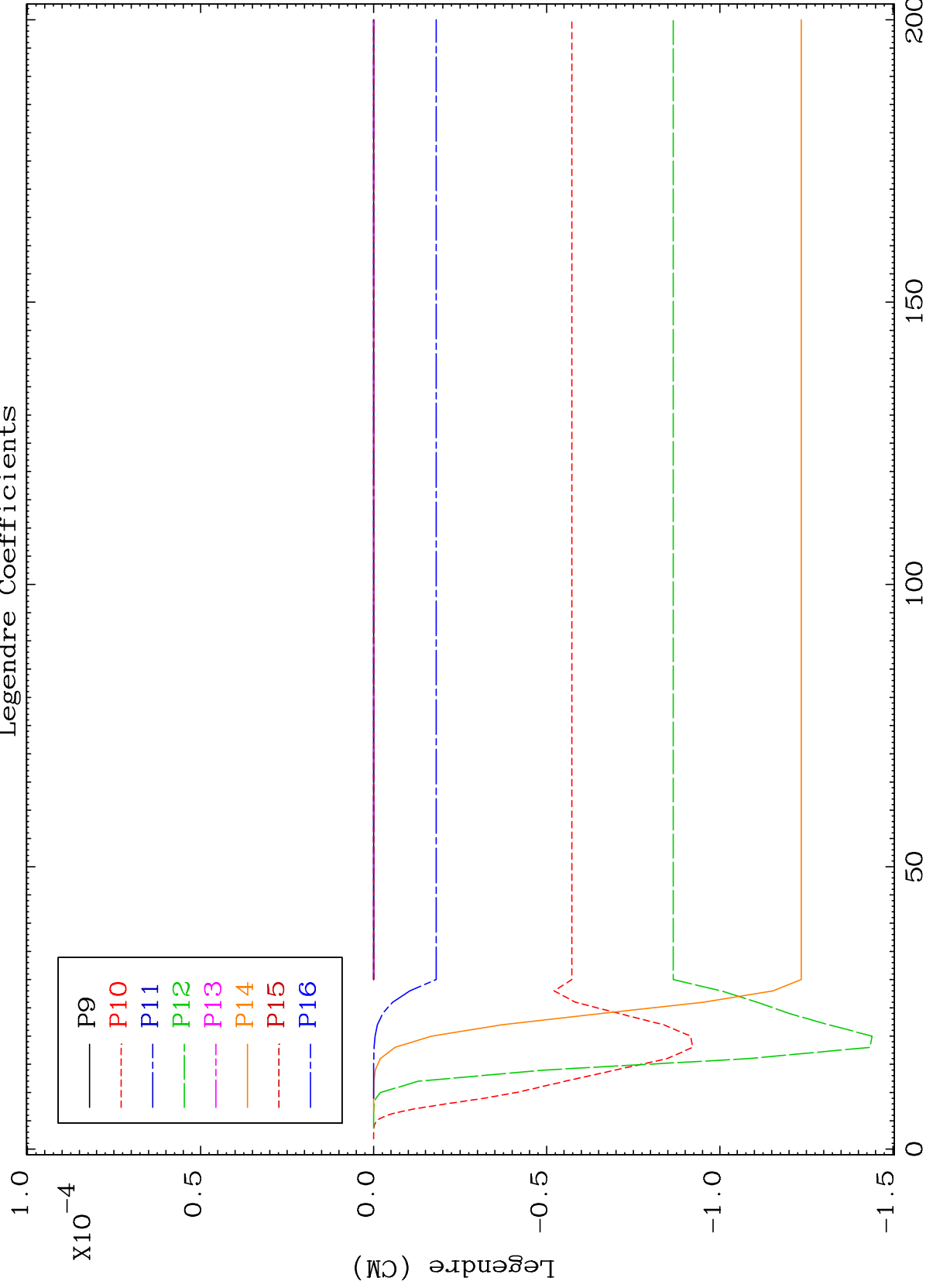
Incident Energy (MeV)

31-Ga-69

MAT 3125 MT= 60 (n,n') Level Legendre Coefficients 31-Ga-69



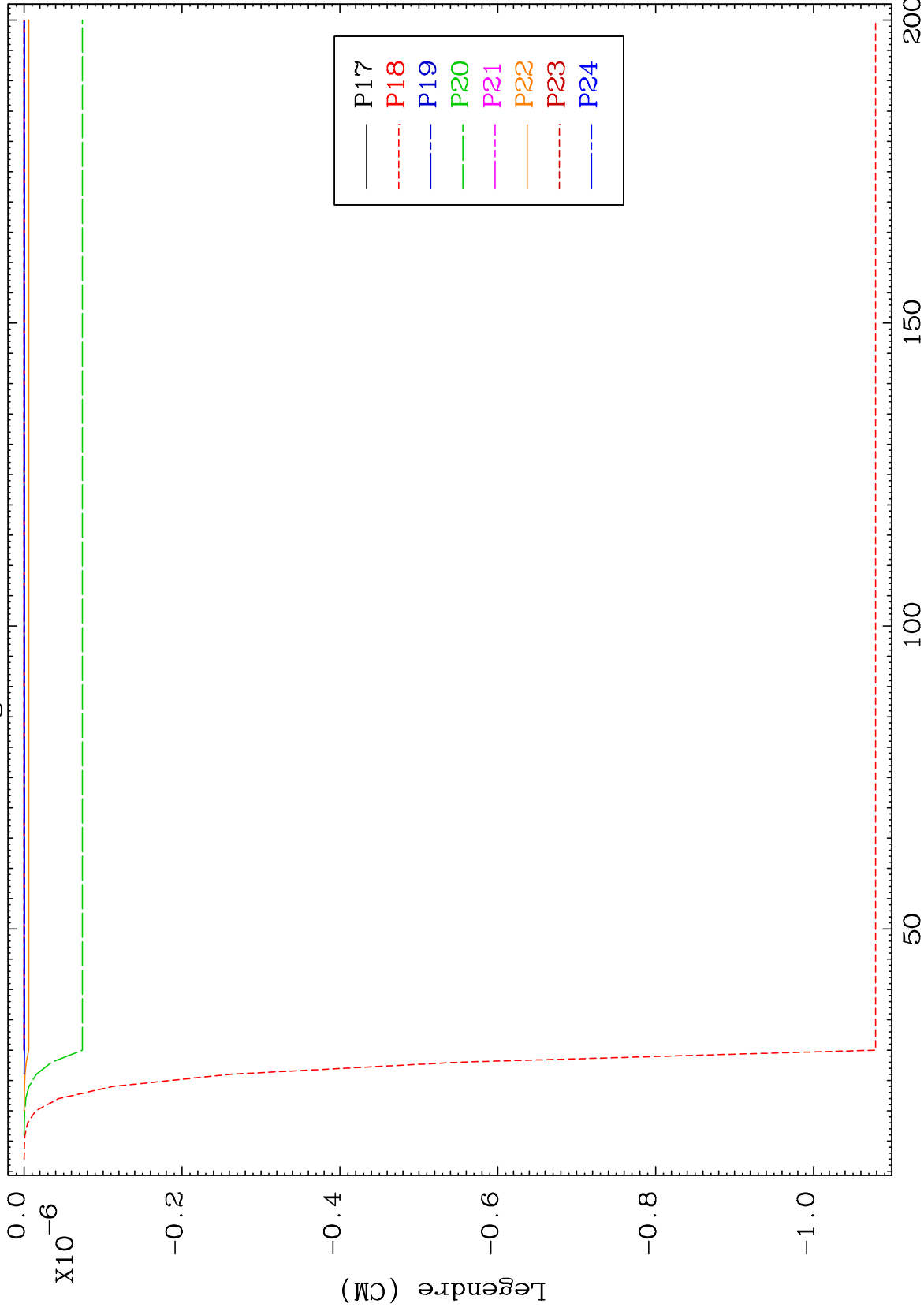
52 Incident Energy (MeV) 31-Ga-69



MAT 3125

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

31-Ga-69



31-Ga-69

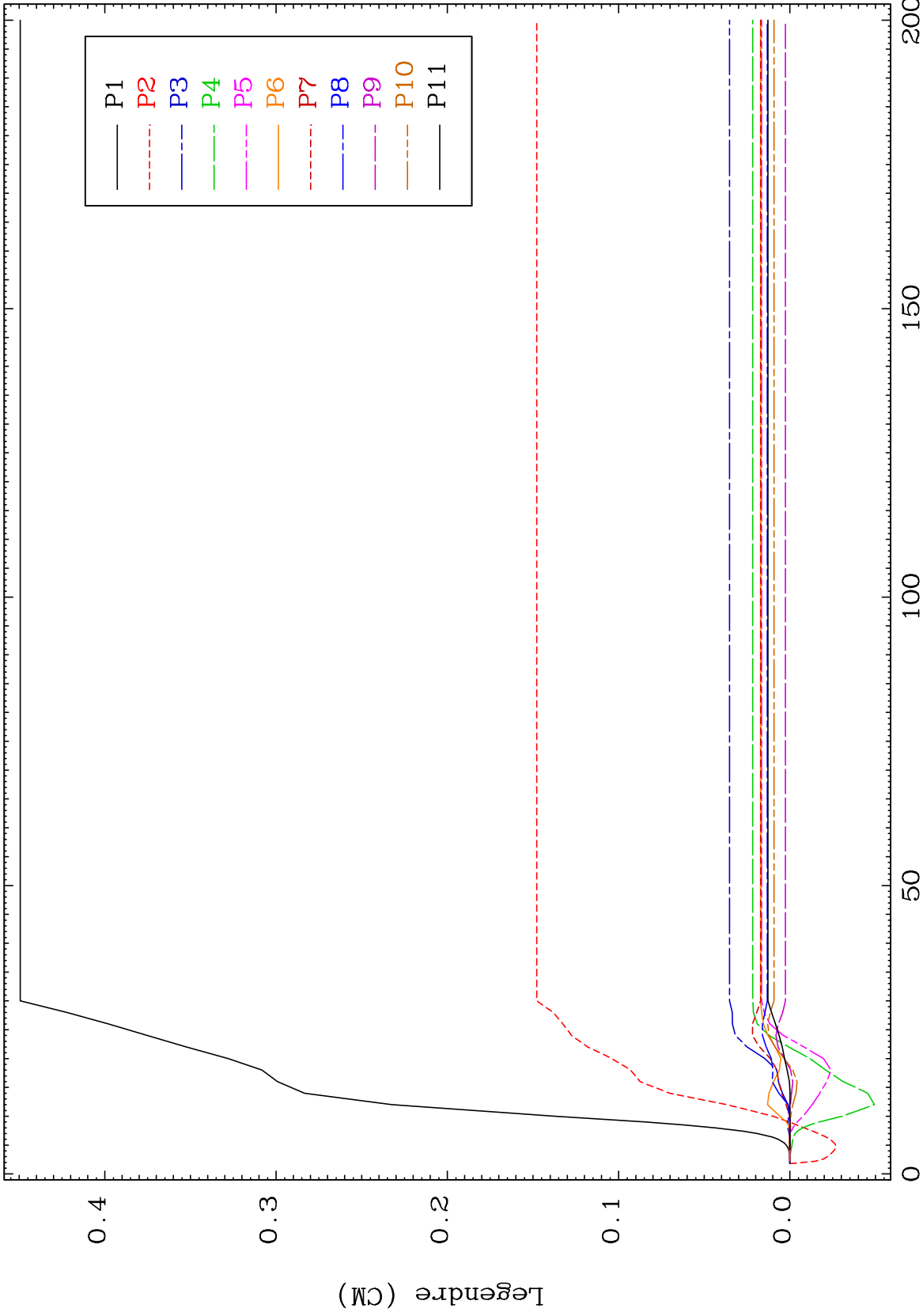
Incident Energy (MeV)

54

MAT 3125

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

31-Ga-69

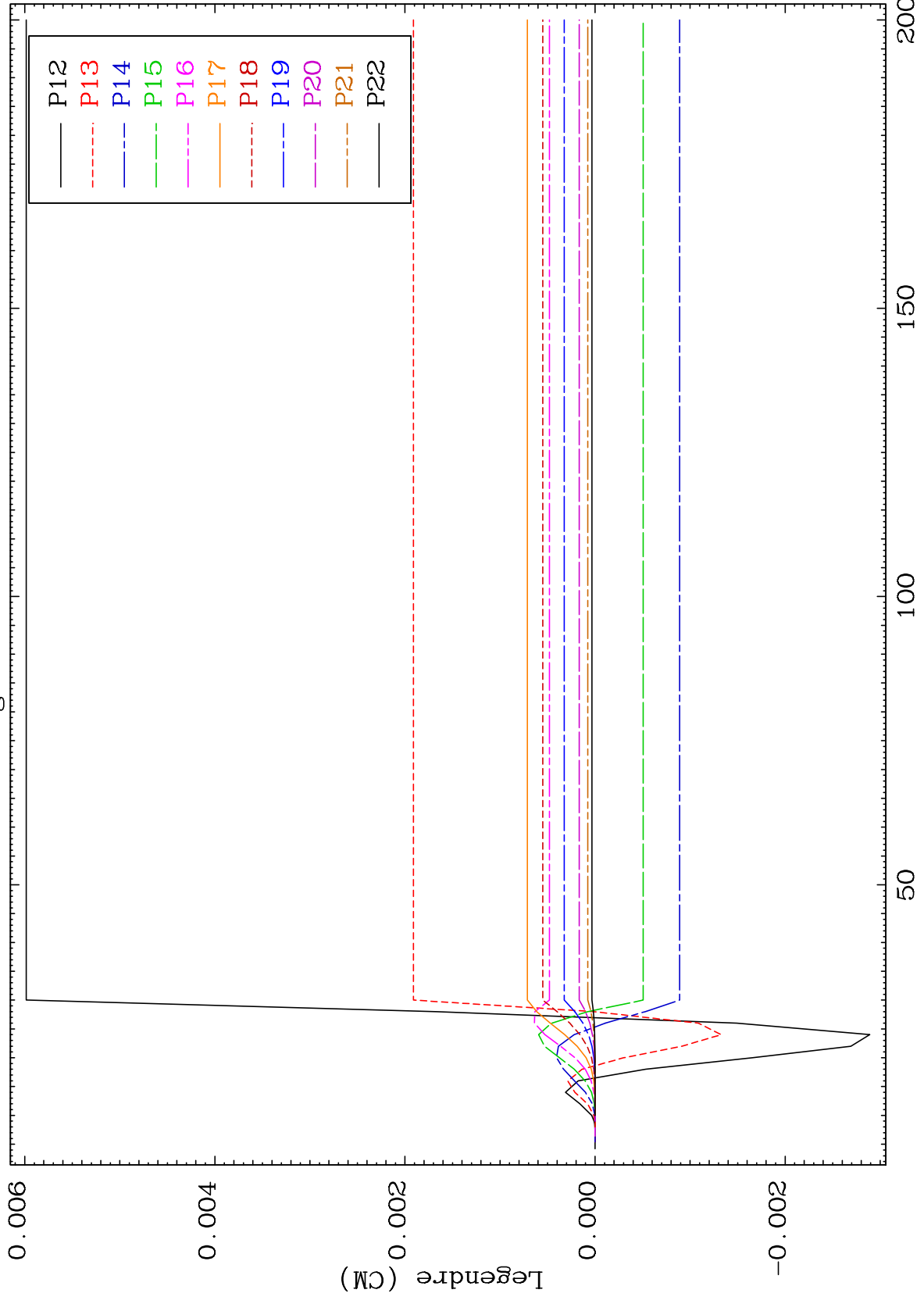


55

Incident Energy (MeV)

31-Ga-69

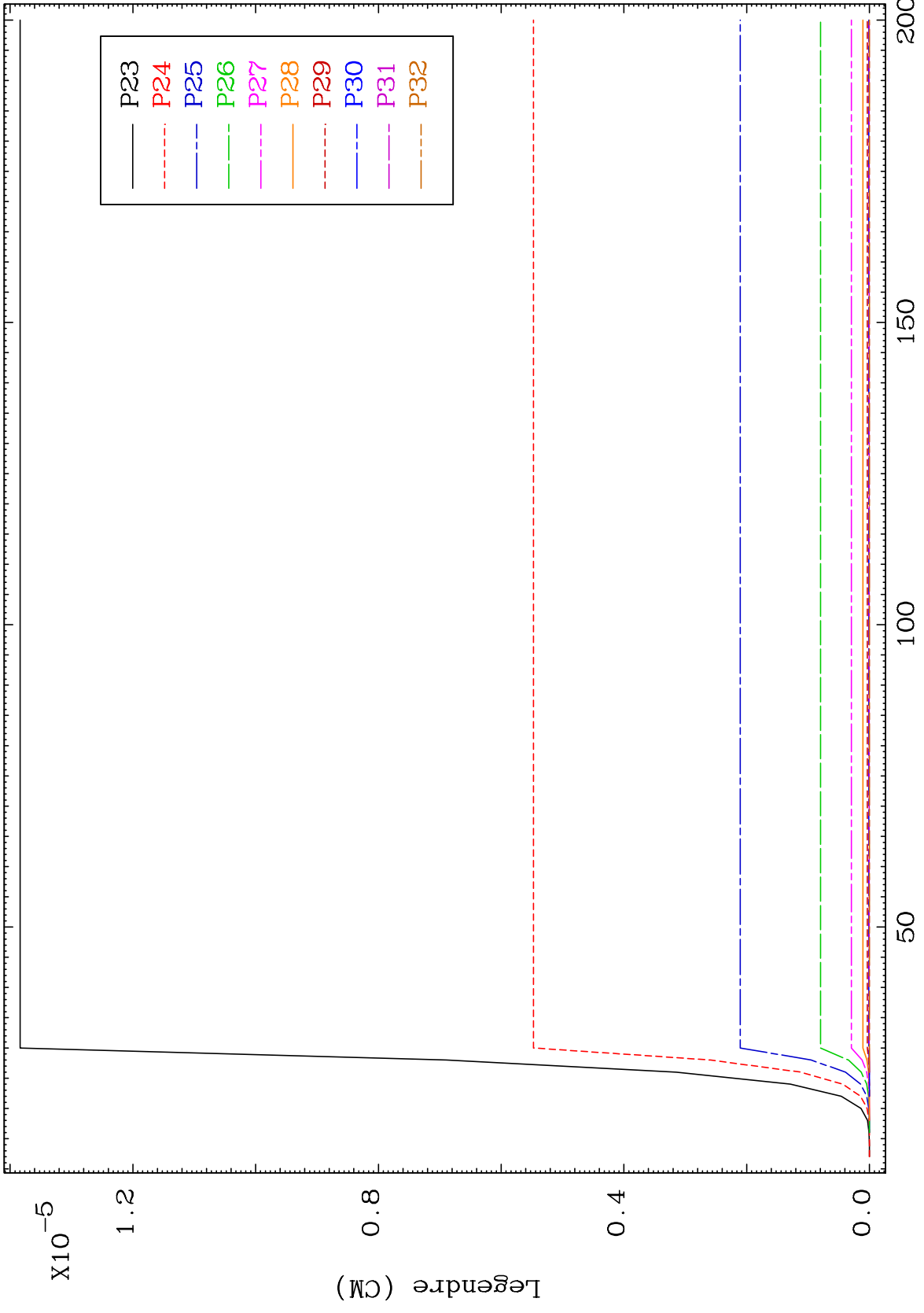




MAT 3125

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

31-Ga-69

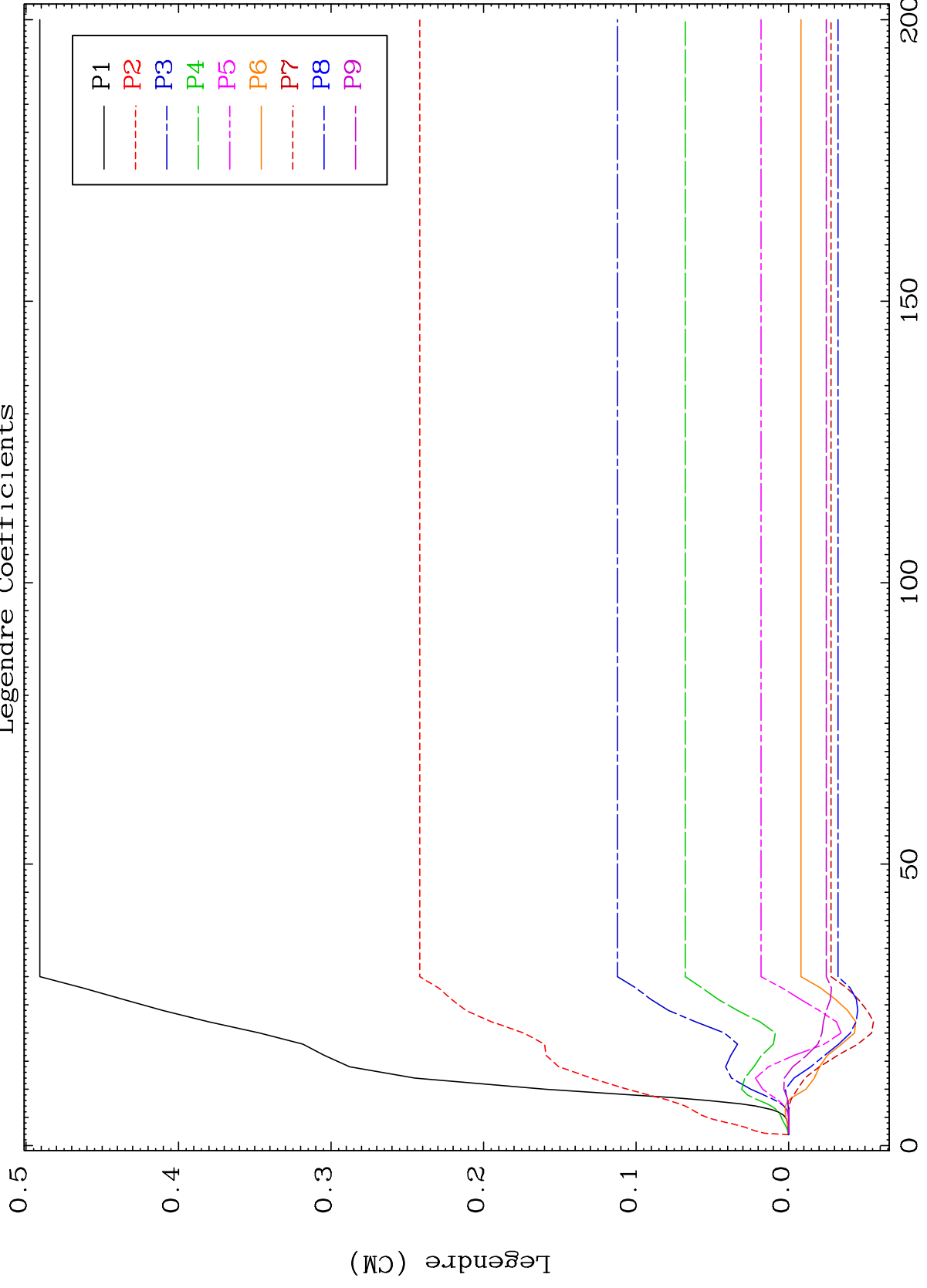


57

Incident Energy (MeV)

31-Ga-69

MAT 3125 MT= 62 (n,n') Level Legendre Coefficients 31-Ga-69

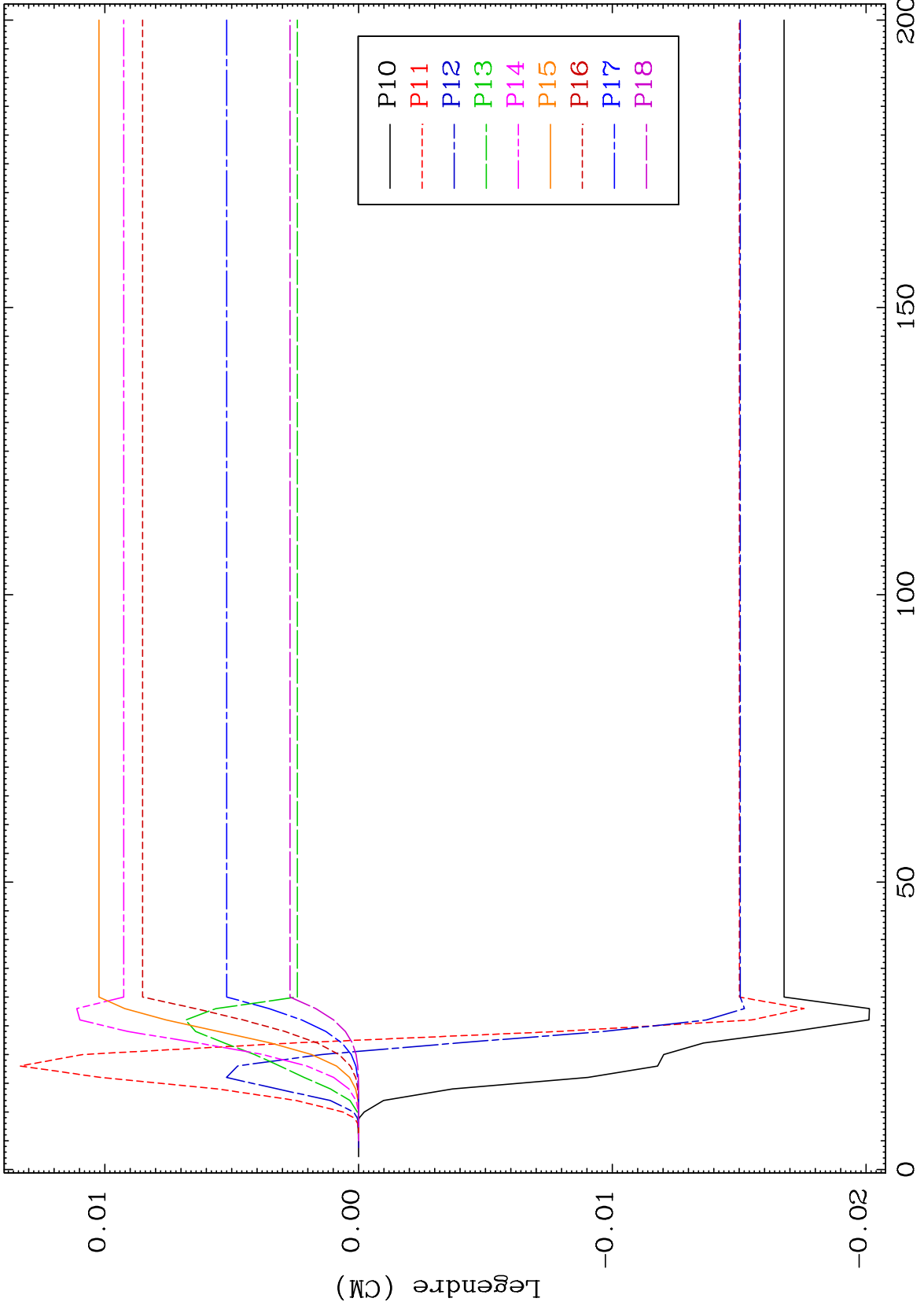


58 31-Ga-69

MAT 3125

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

31-Ga-69



59

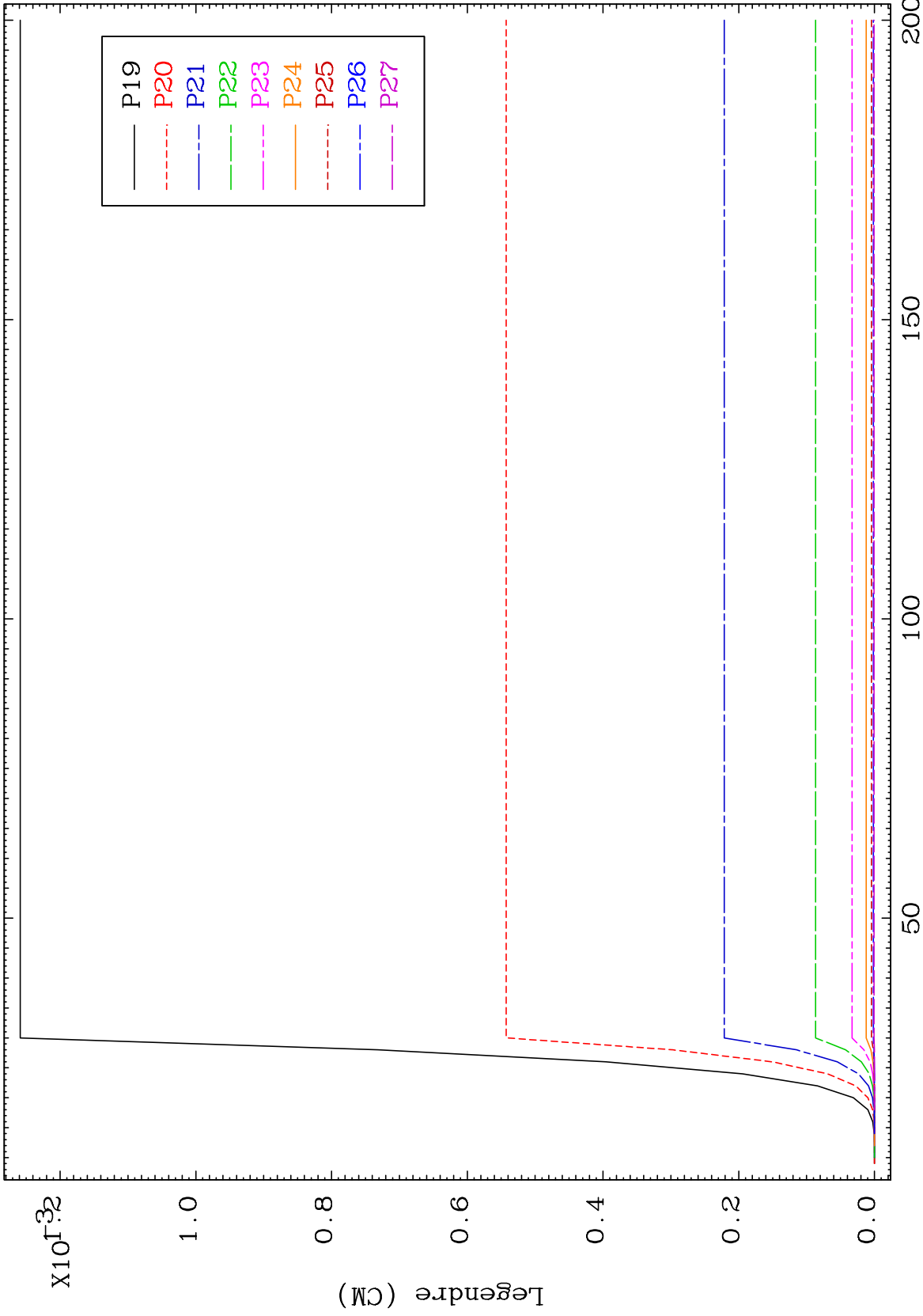
Incident Energy (MeV)

31-Ga-69

MAT 3125

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

31-Ga-69



60

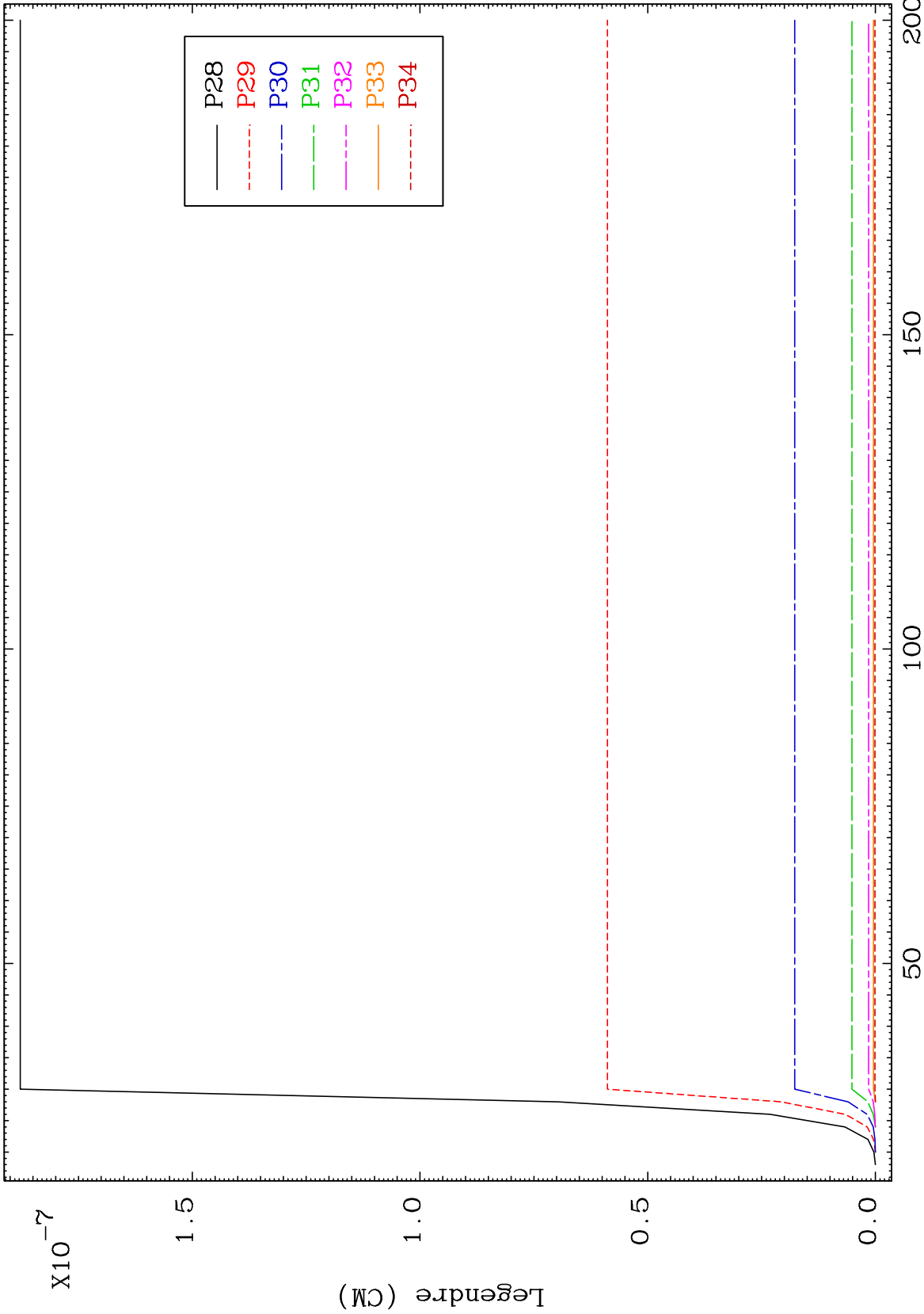
Incident Energy (MeV)

31-Ga-69

MAT 3125

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

31-Ga-69

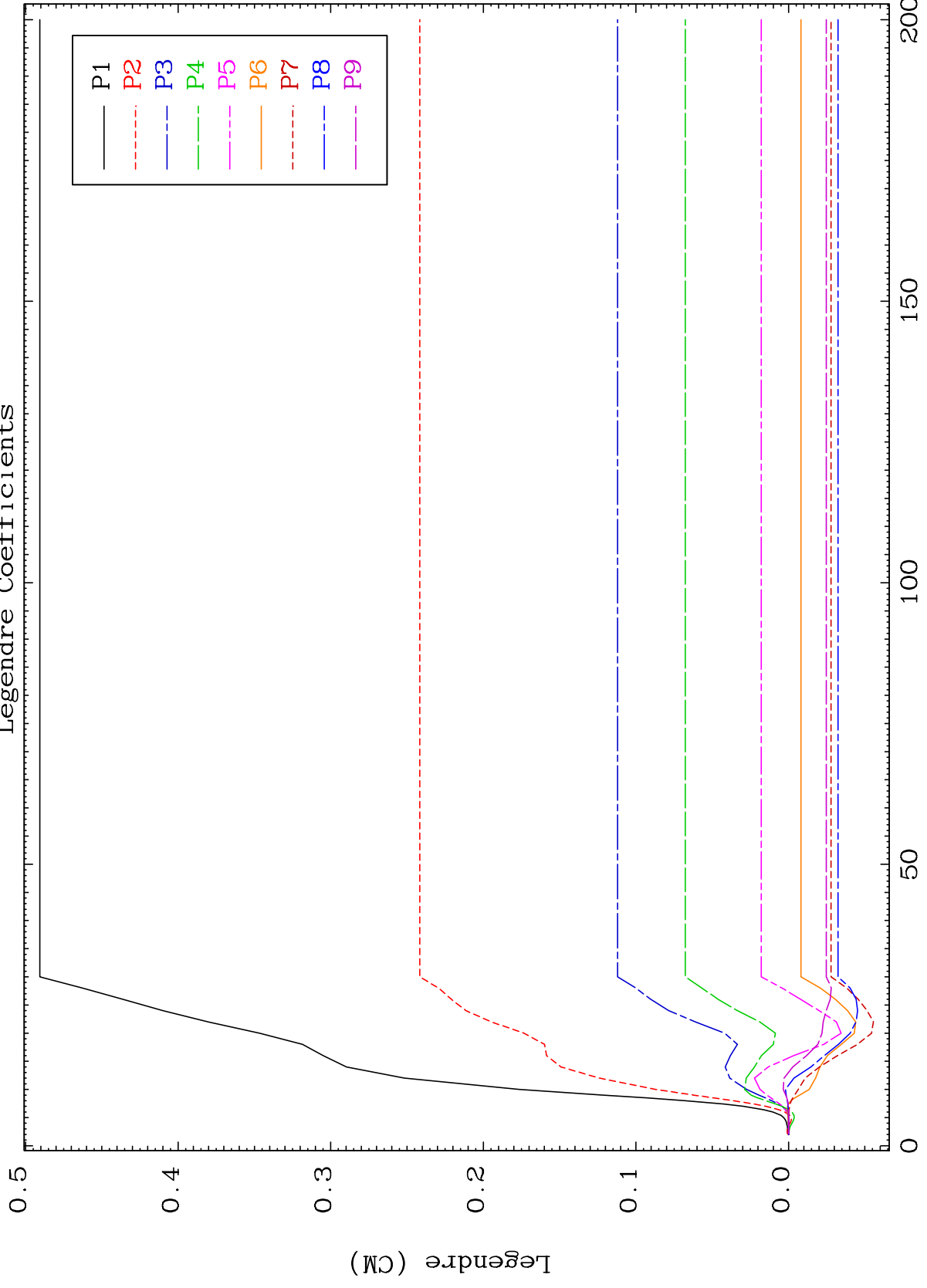


61

Incident Energy (MeV)

31-Ga-69

MAT 3125 MT= 63 (n,n') Level Legendre Coefficients 31-Ga-69

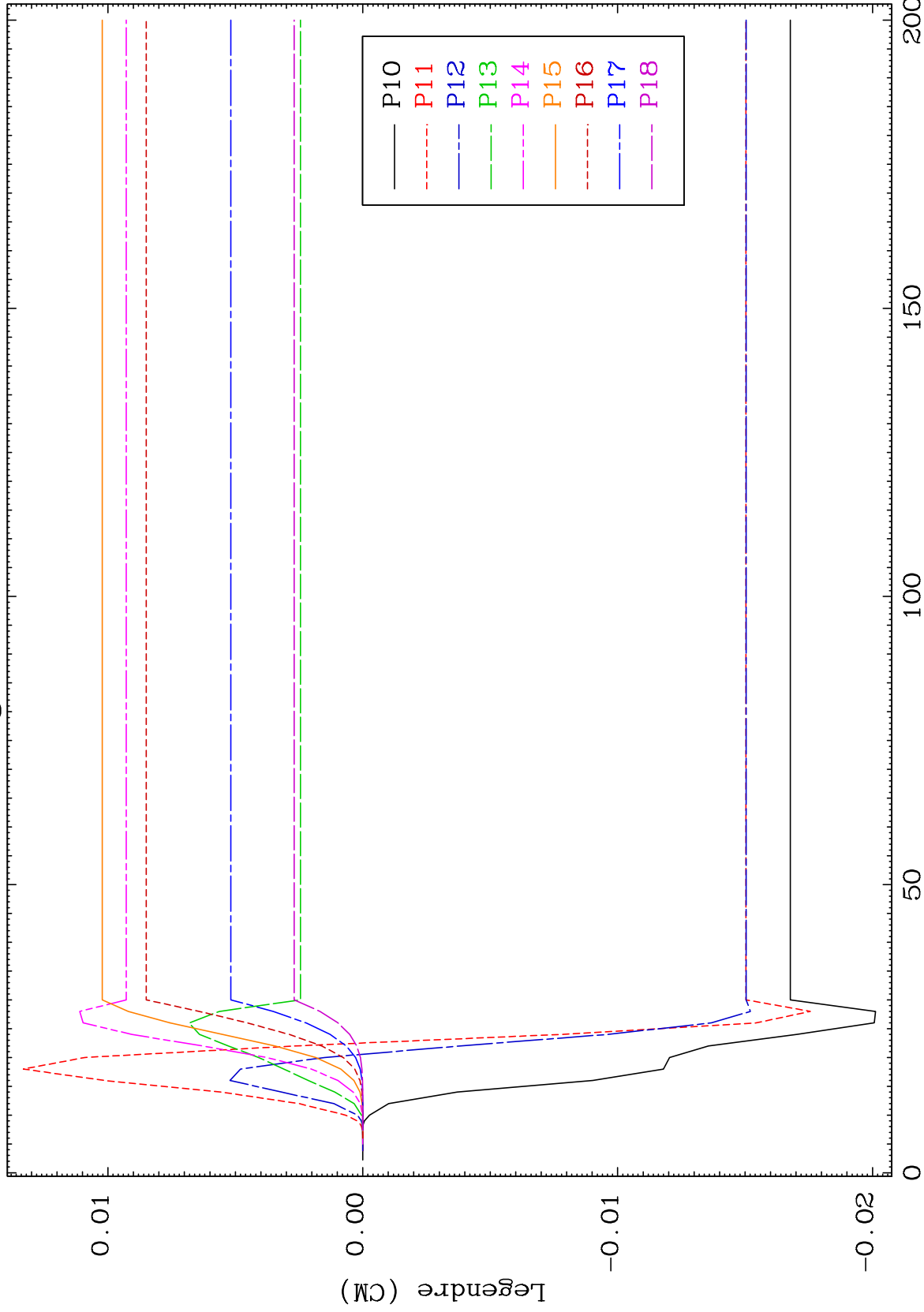


62 Incident Energy (MeV) 31-Ga-69

MAT 3125

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

31-Ga-69



63

Incident Energy (MeV)

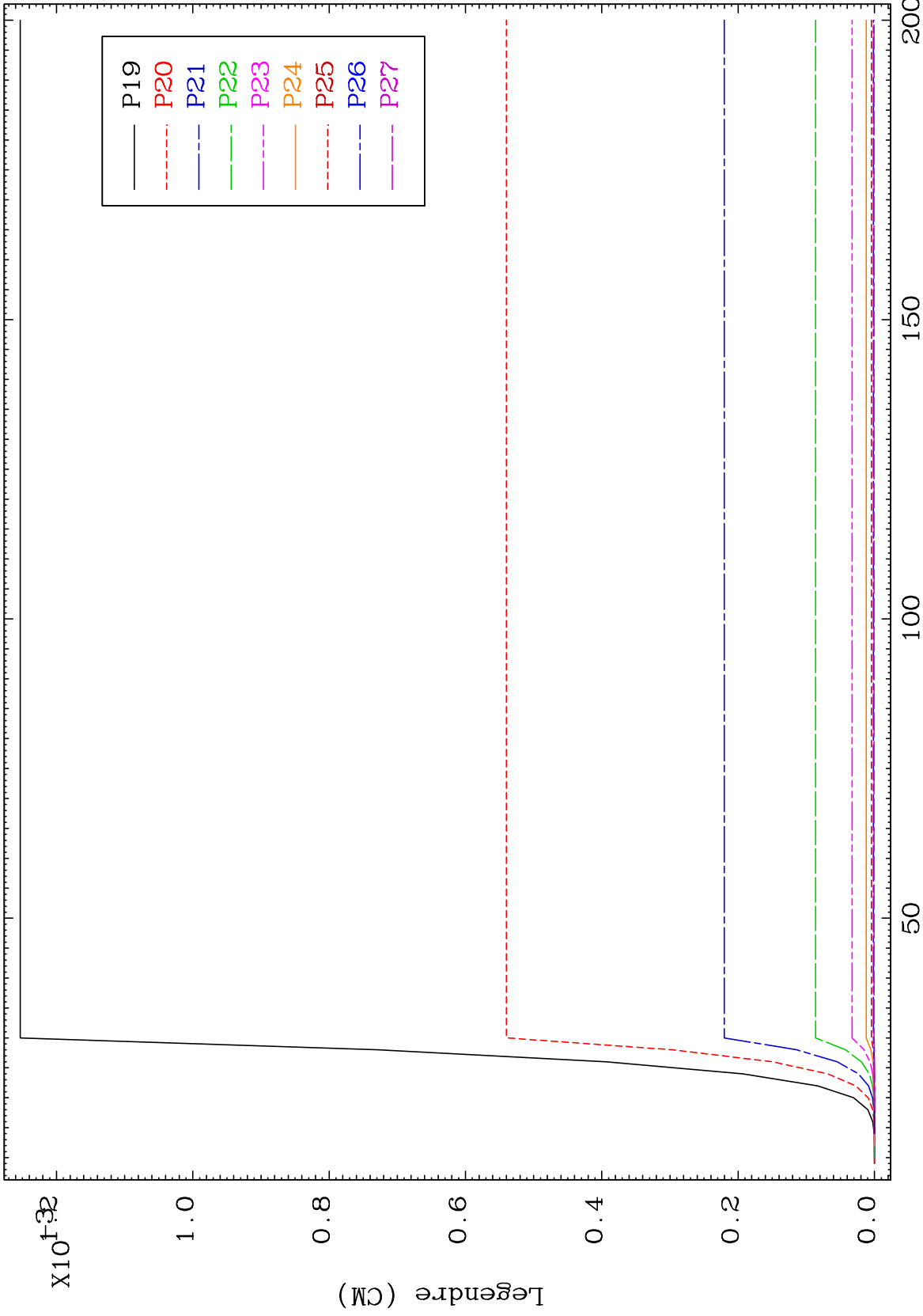
31-Ga-69



MAT 3125

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

31-Ga-69



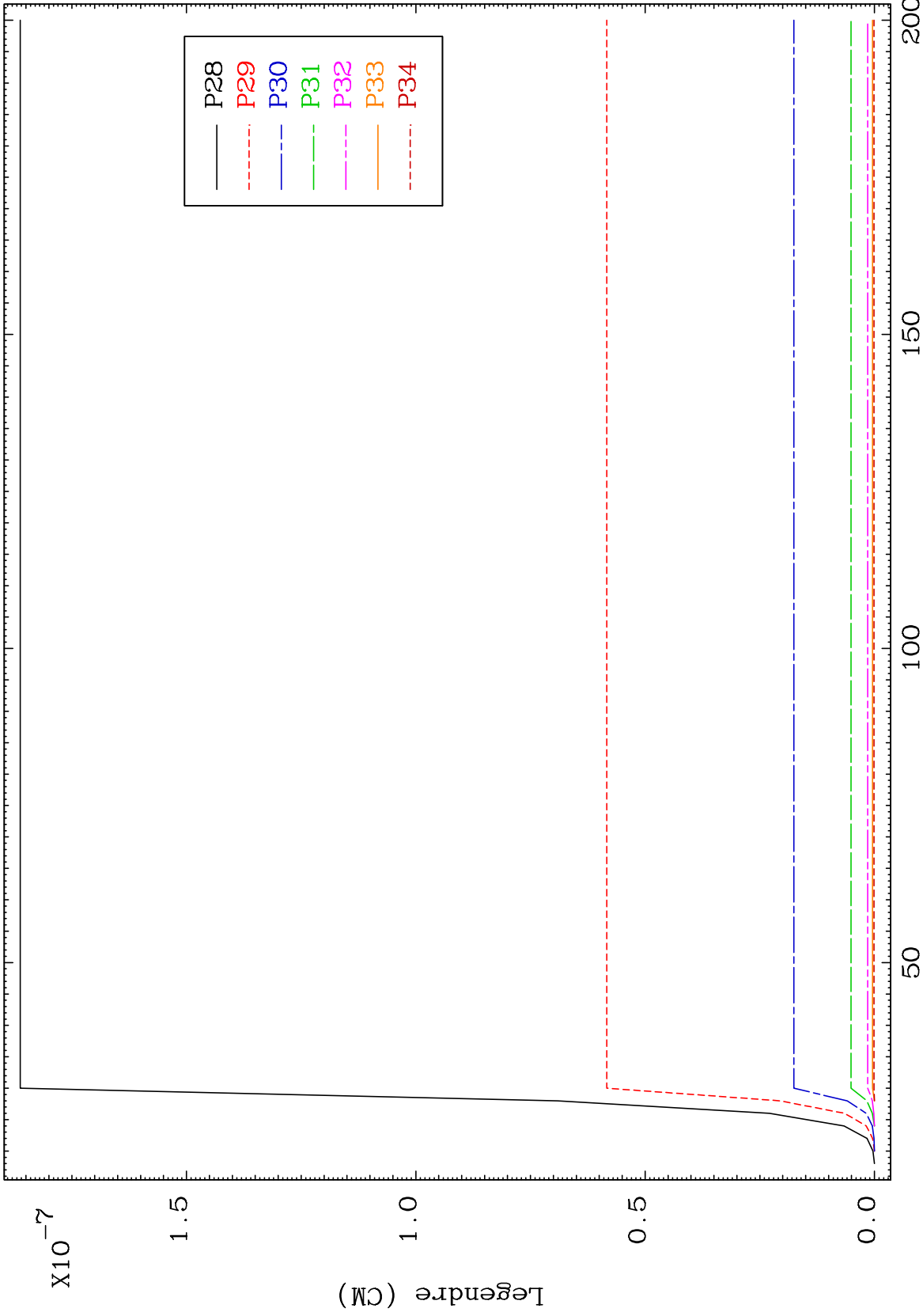
64

31-Ga-69

MAT 3125

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

31-Ga-69



65

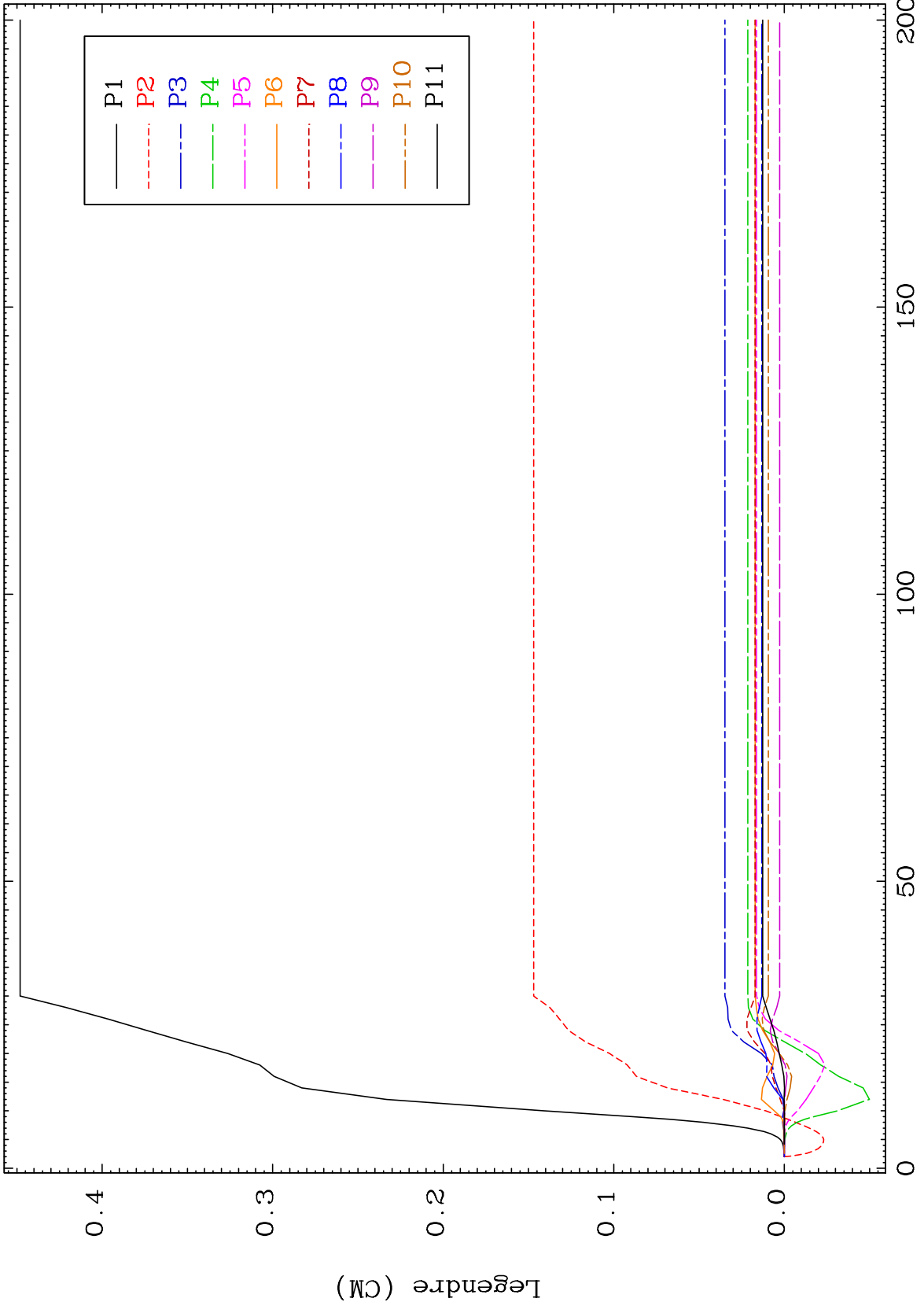
Incident Energy (MeV)

31-Ga-69

MAT 3125

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

31-Ga-69



66

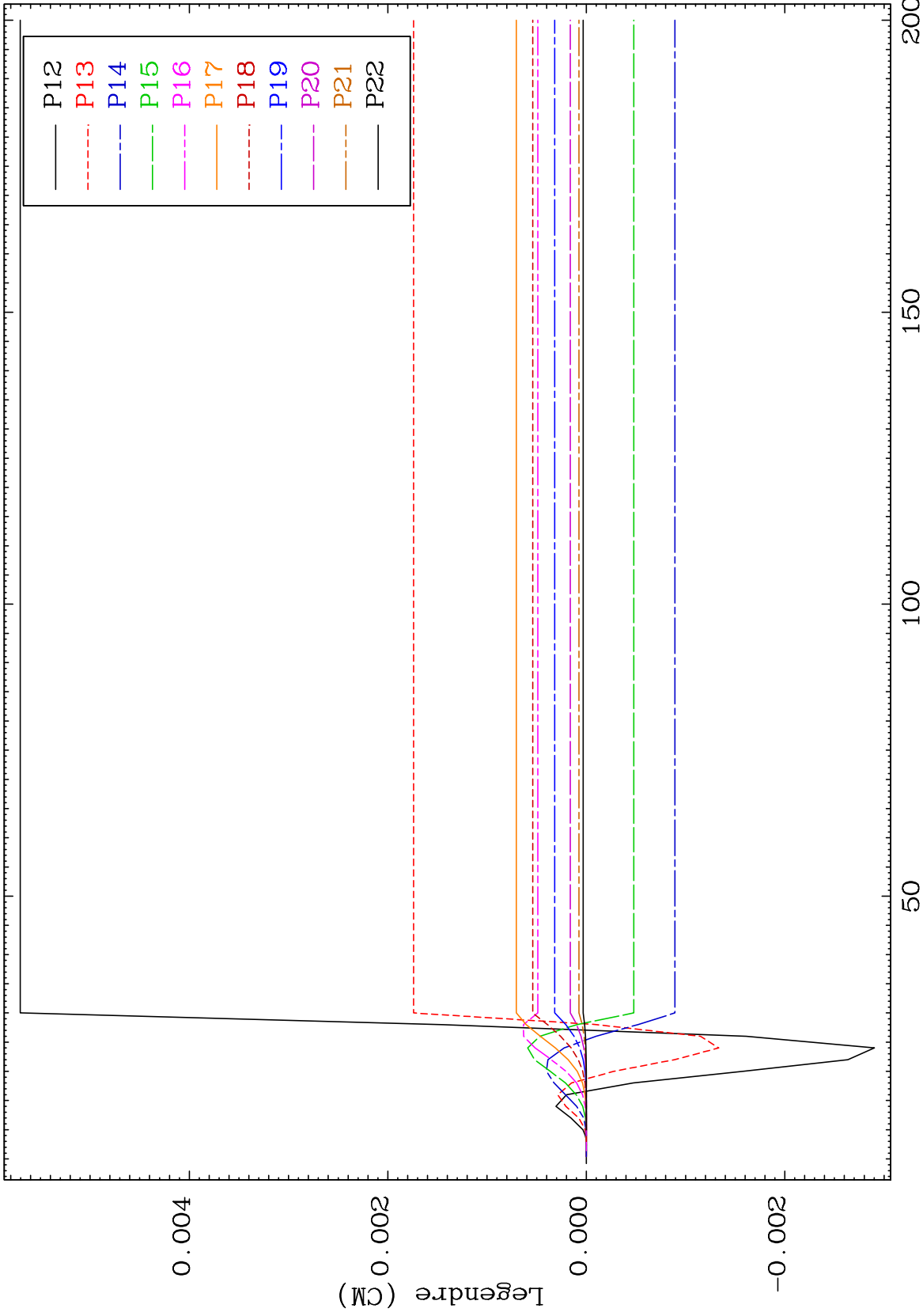
Incident Energy (MeV)

31-Ga-69

MAT 3125

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

31-Ga-69



67

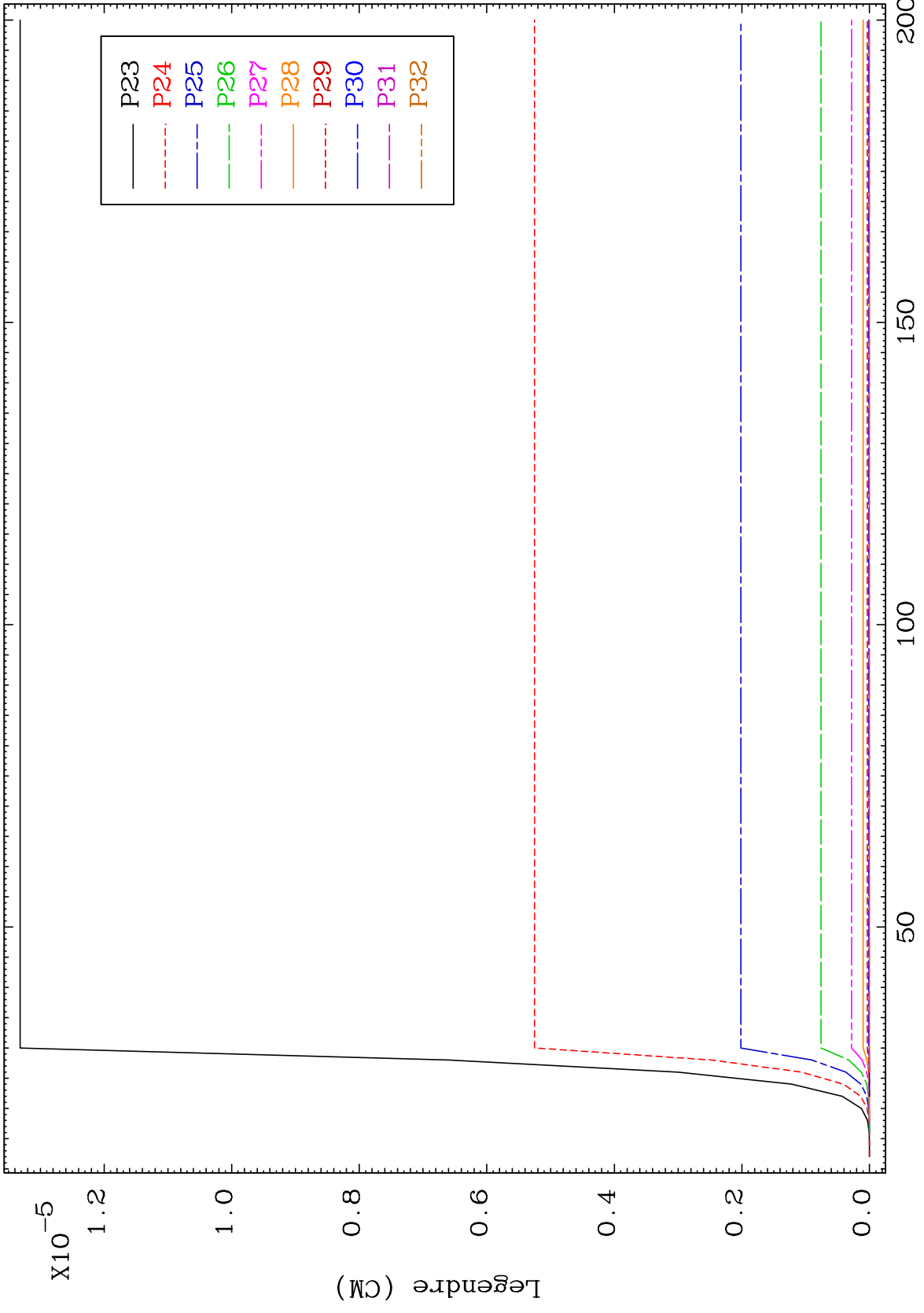
Incident Energy (MeV)

31-Ga-69

MAT 3125

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

31-Ga-69

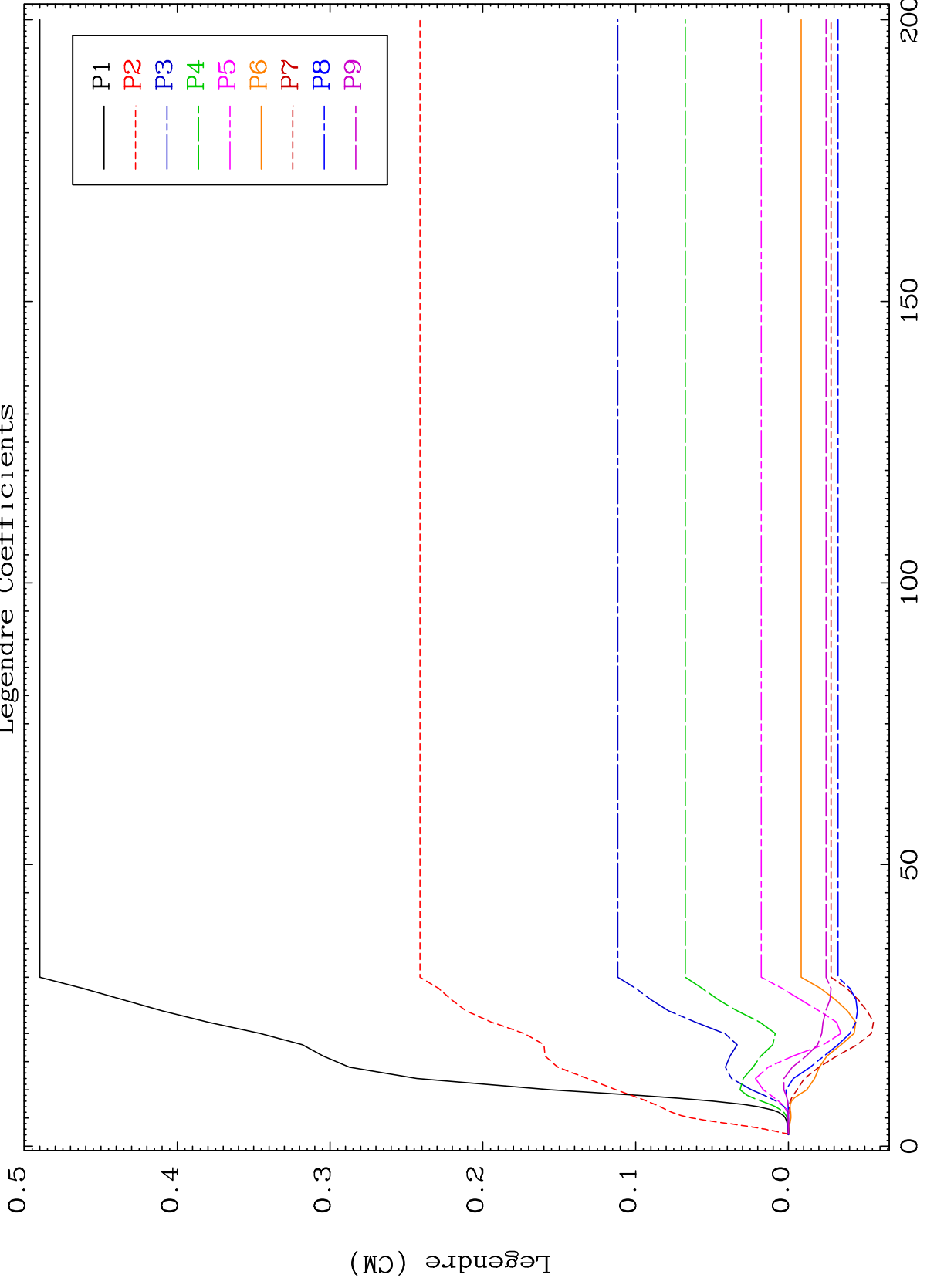


68

Incident Energy (MeV)

31-Ga-69

MAT 3125 MT= 65 (n,n') Level Legendre Coefficients 31-Ga-69

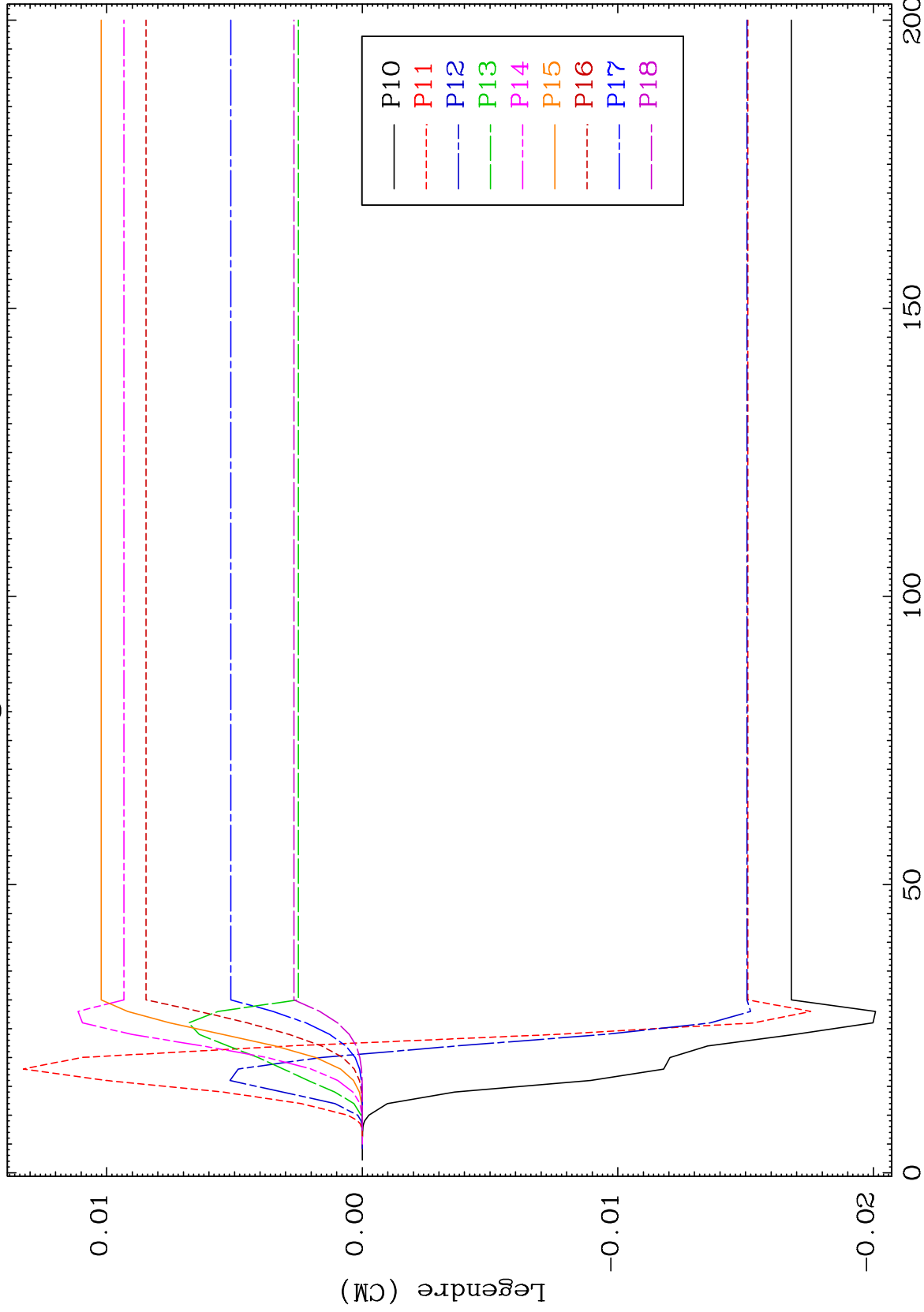


69 31-Ga-69

MAT 3125

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

31-Ga-69



70

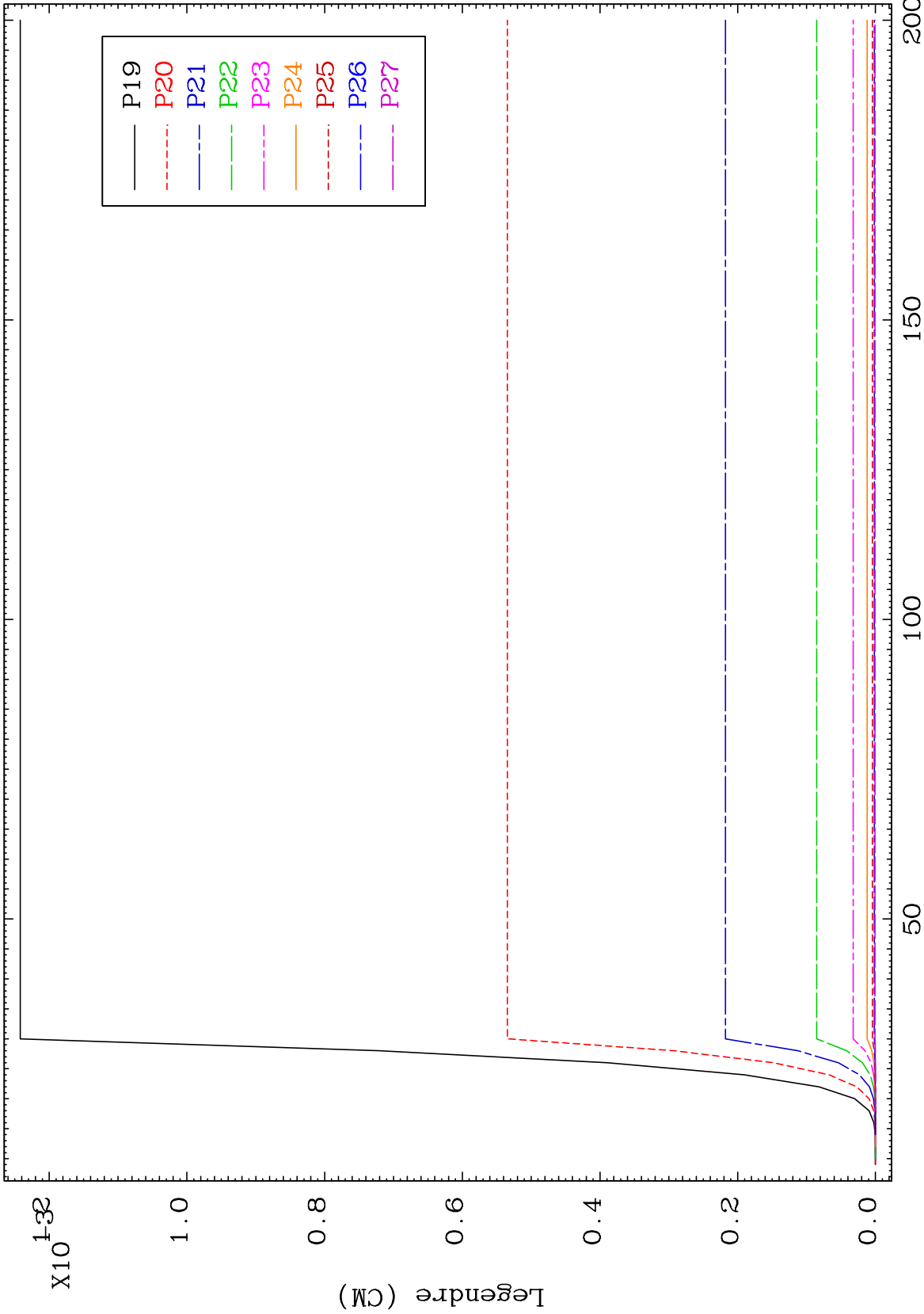
Incident Energy (MeV)

31-Ga-69

MAT 3125

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

31-Ga-69



71

Incident Energy (MeV)

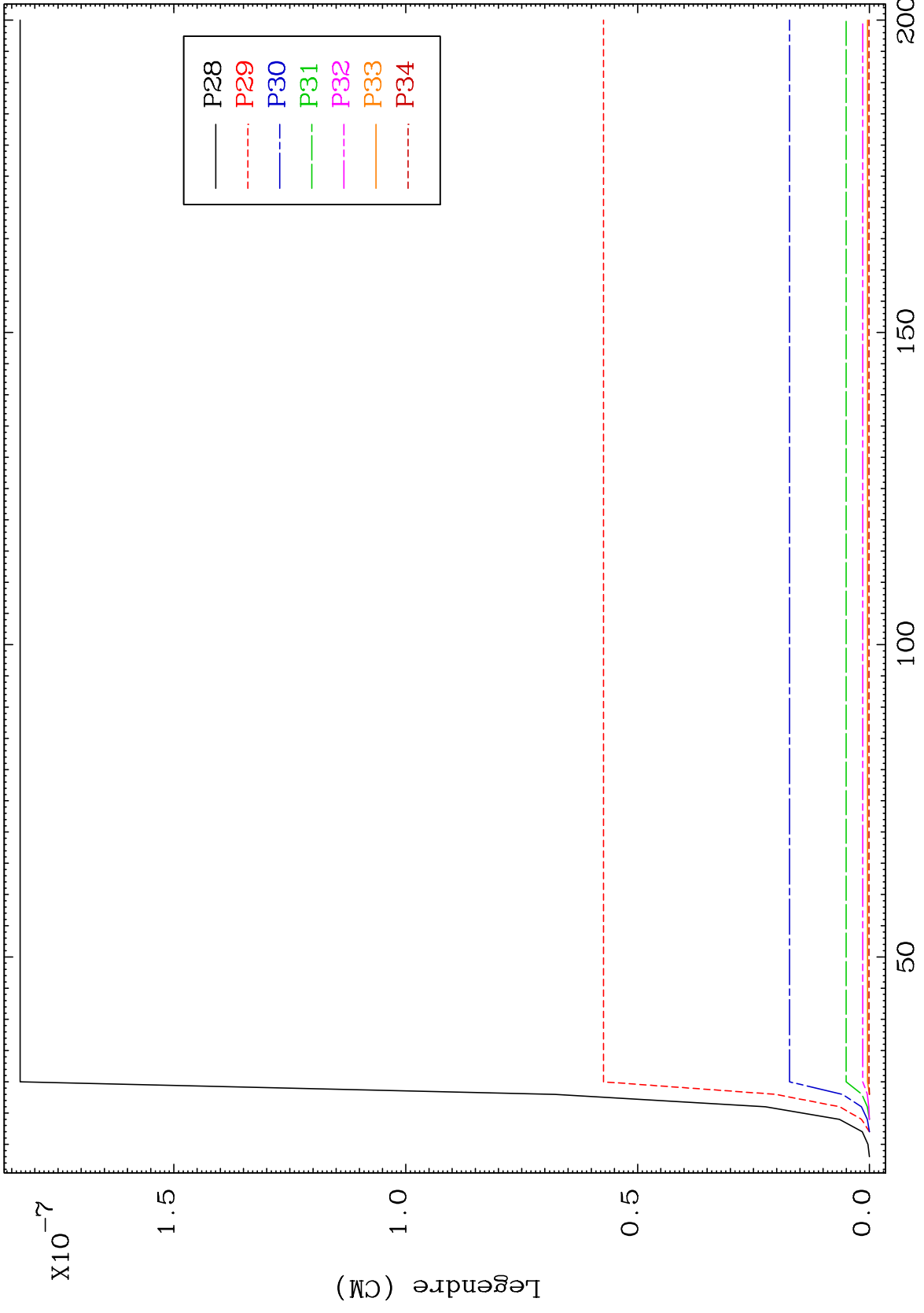
31-Ga-69



MAT 3125

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

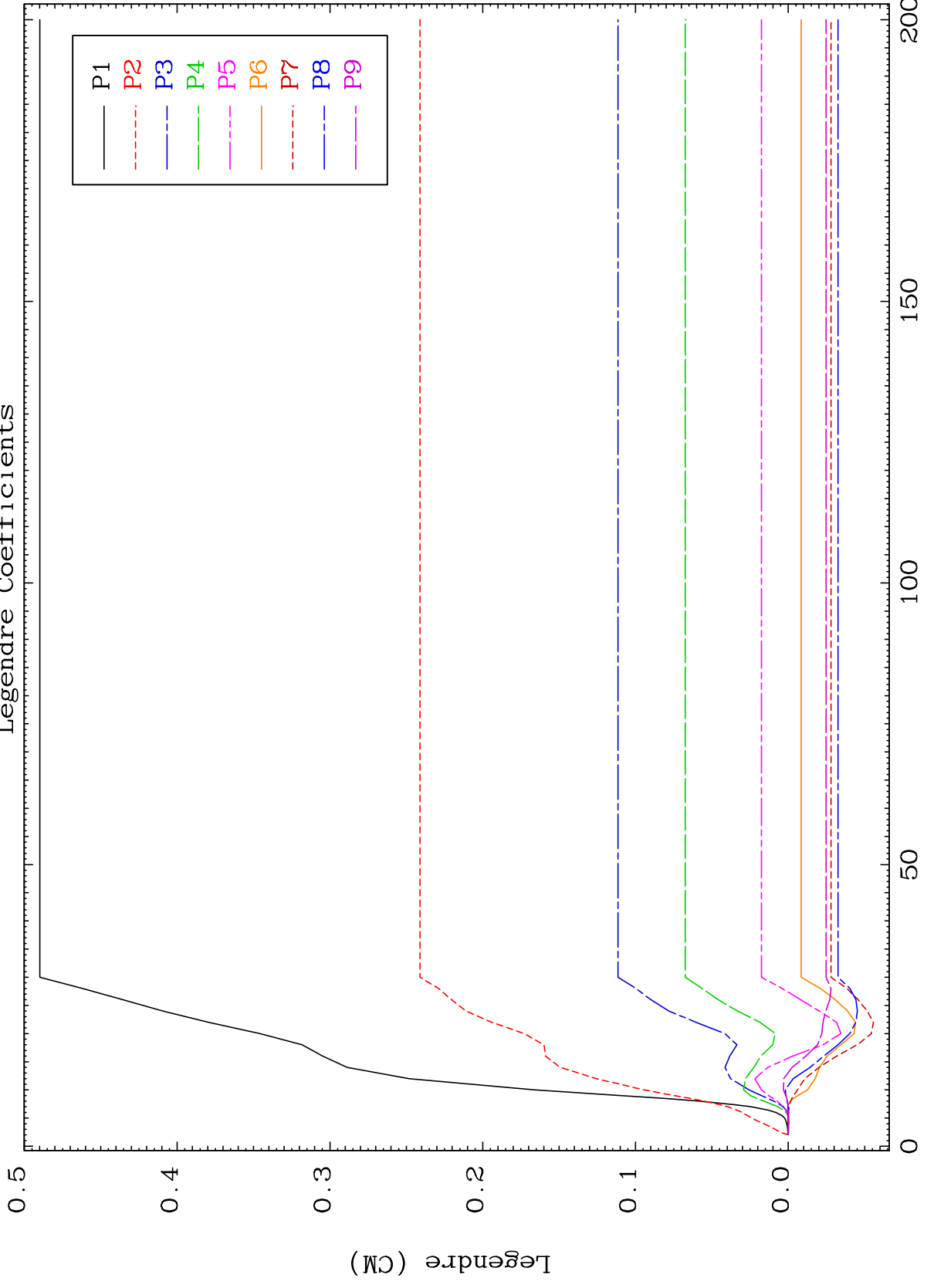
31-Ga-69



72

31-Ga-69

MAT 3125 MT= 66 (n,n') Level Legendre Coefficients 31-Ga-69

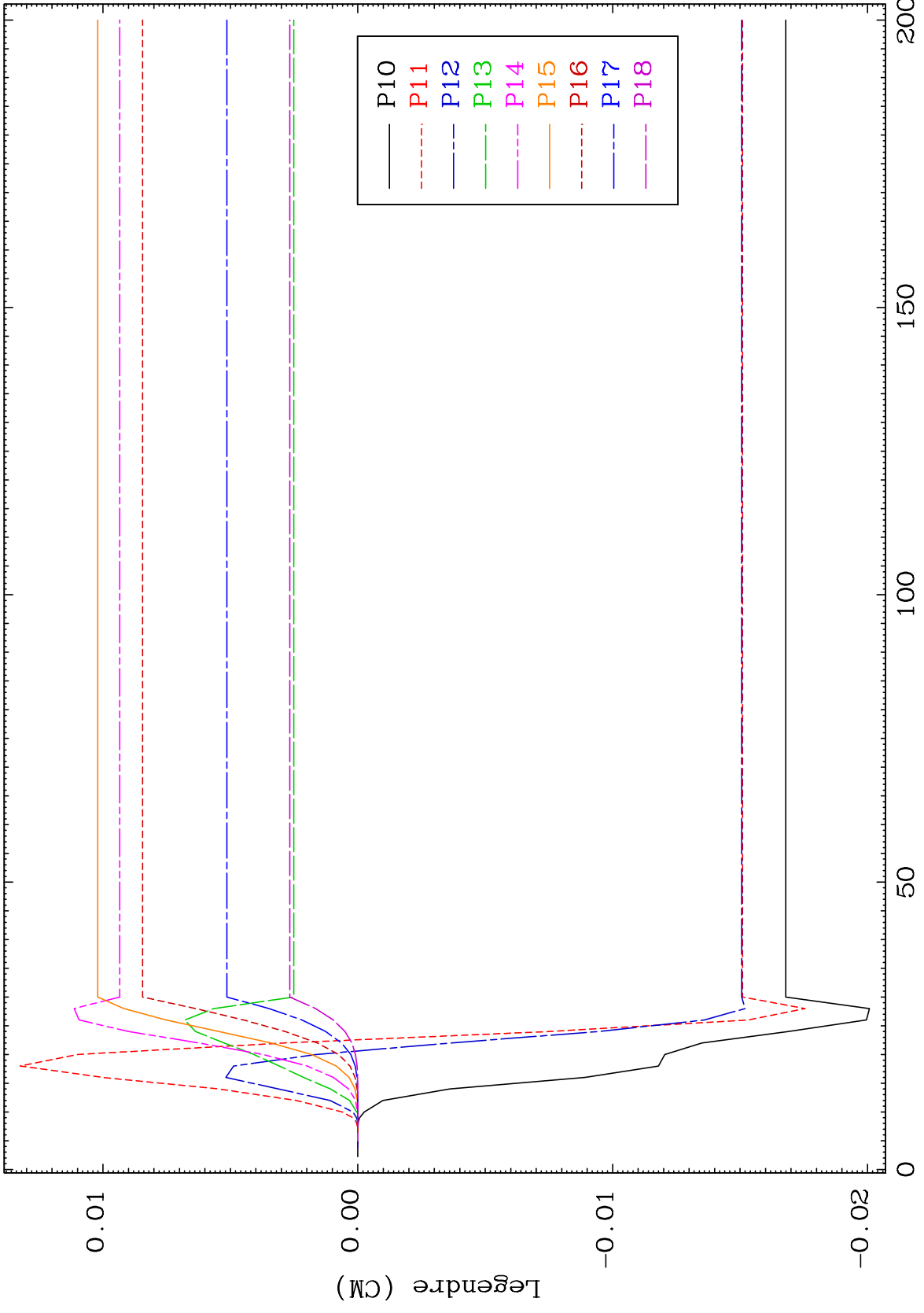


73 31-Ga-69

MAT 3125

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

31-Ga-69



74

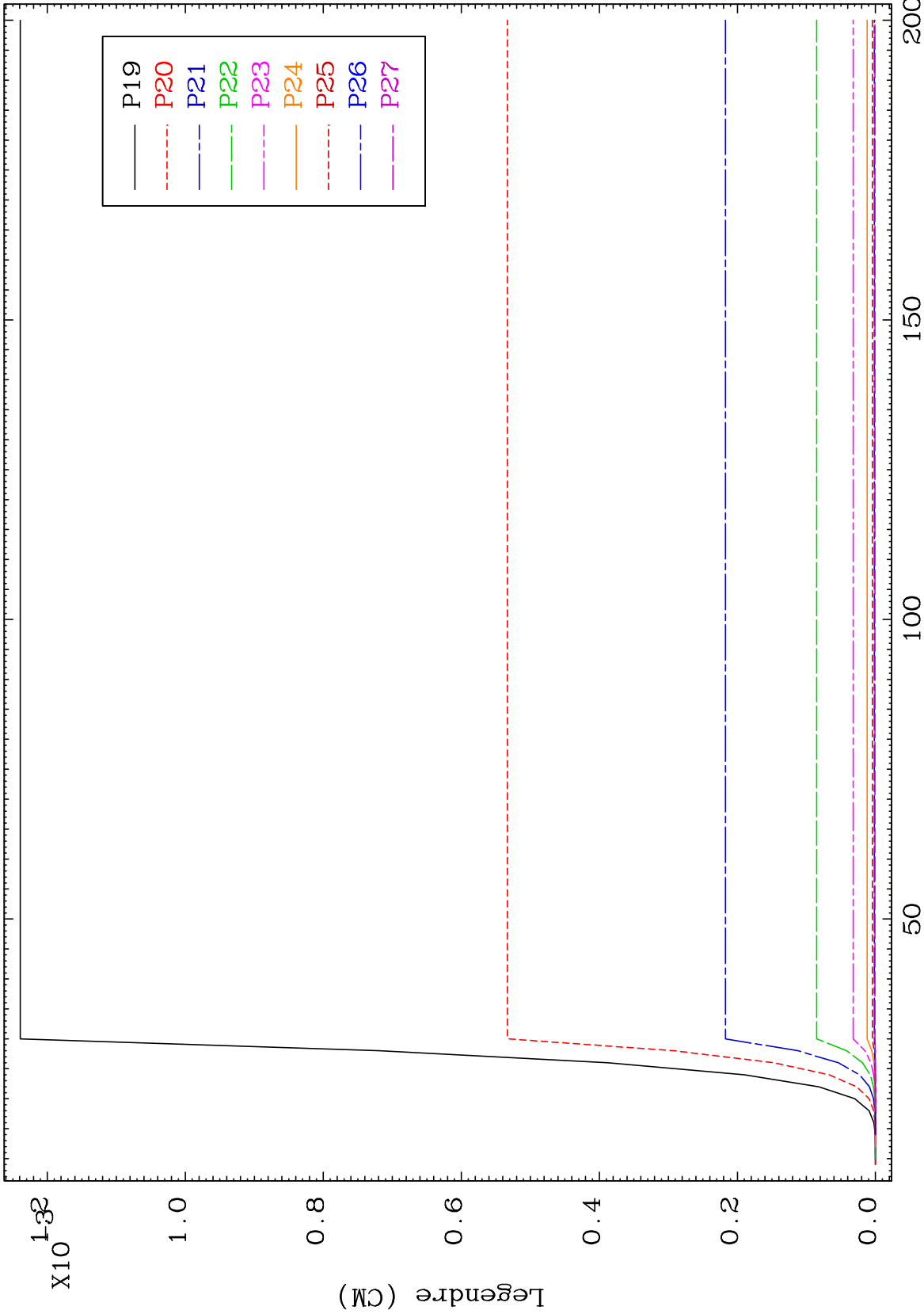
Incident Energy (MeV)

31-Ga-69

MAT 3125

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

31-Ga-69



75

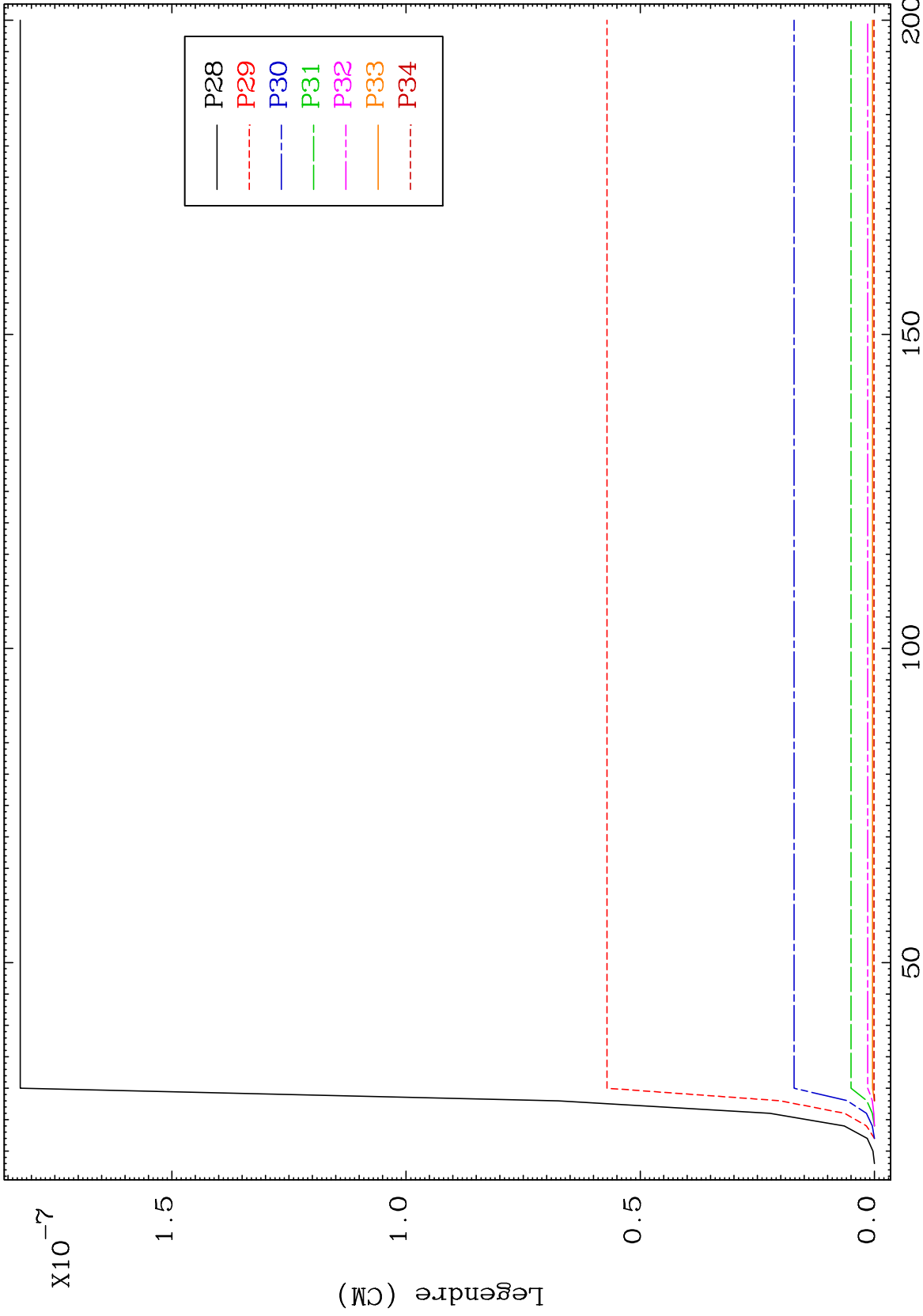
Incident Energy (MeV)

31-Ga-69

MAT 3125

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

31-Ga-69

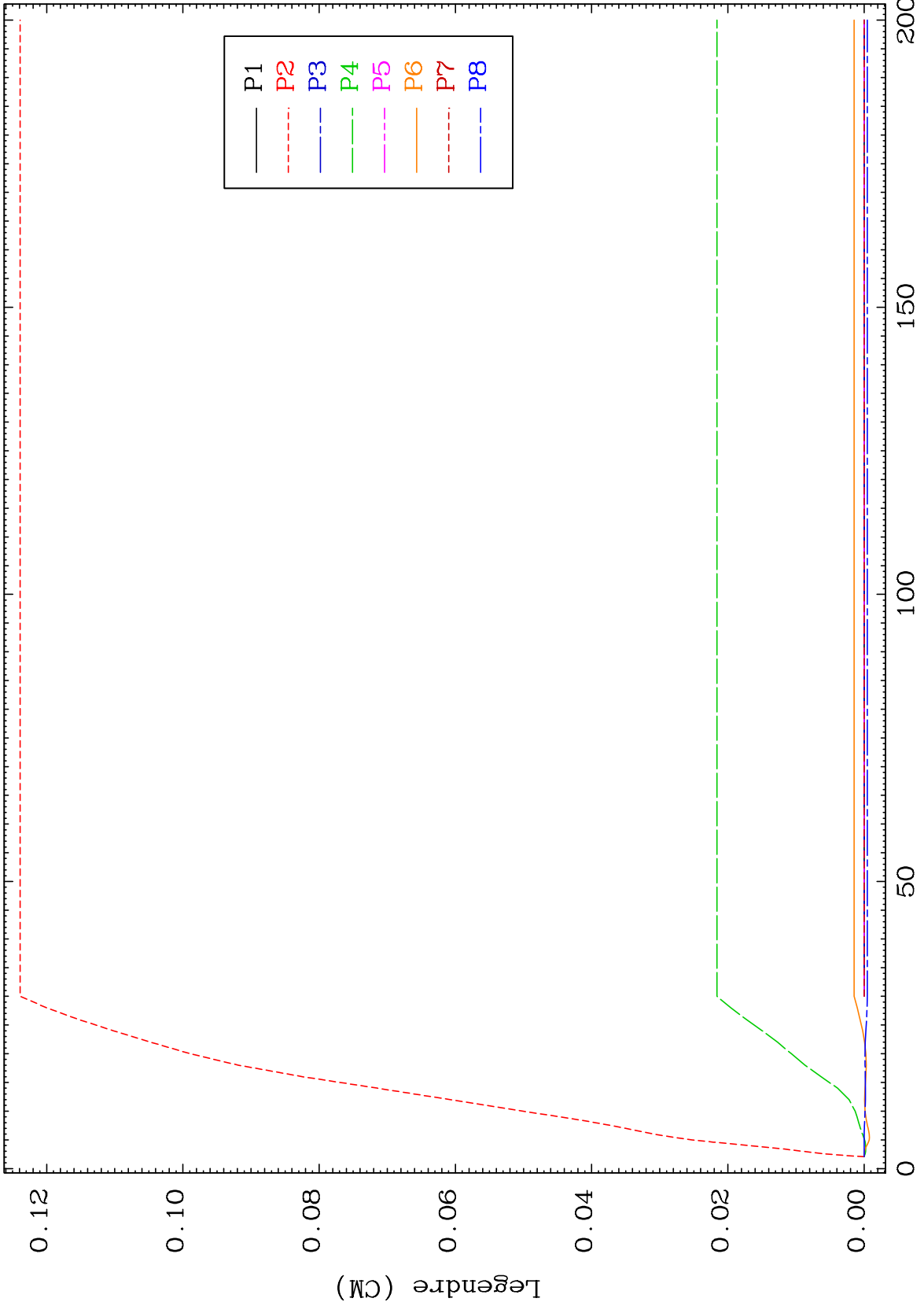


76

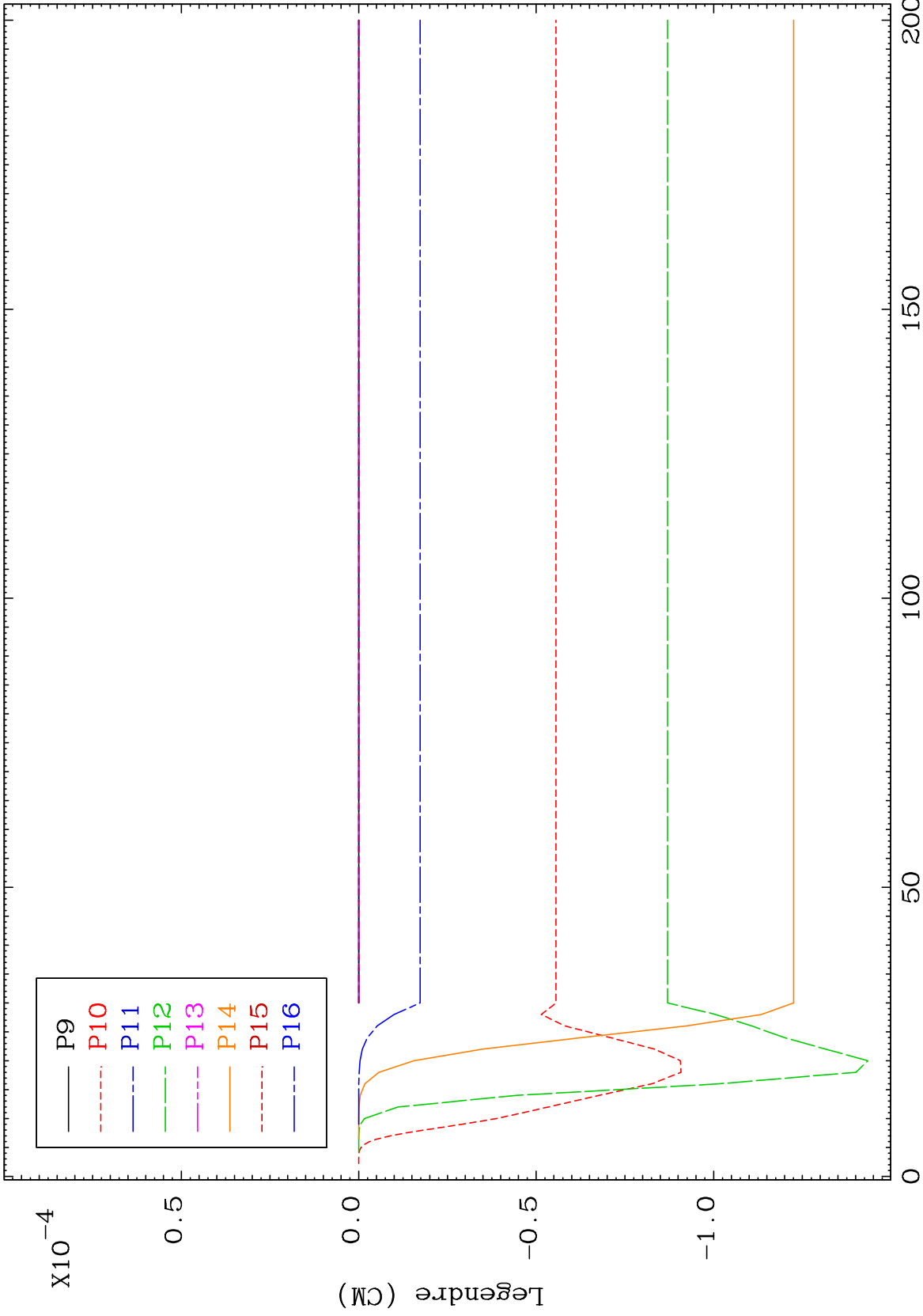
Incident Energy (MeV)

31-Ga-69

MAT 3125 MT= 67 (n,n') Level Legendre Coefficients 31-Ga-69



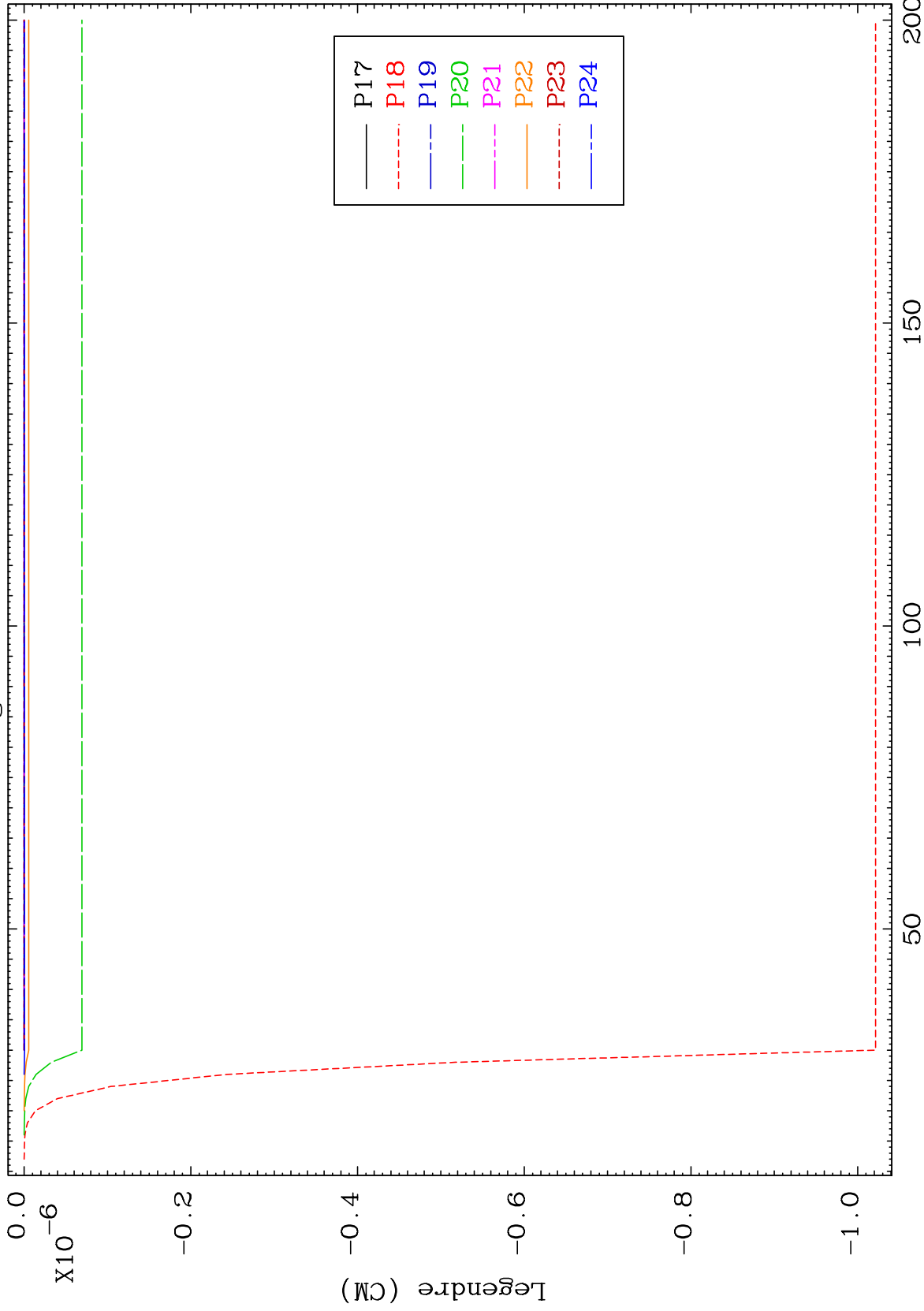
77 31-Ga-69



MAT 3125

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

31-Ga-69

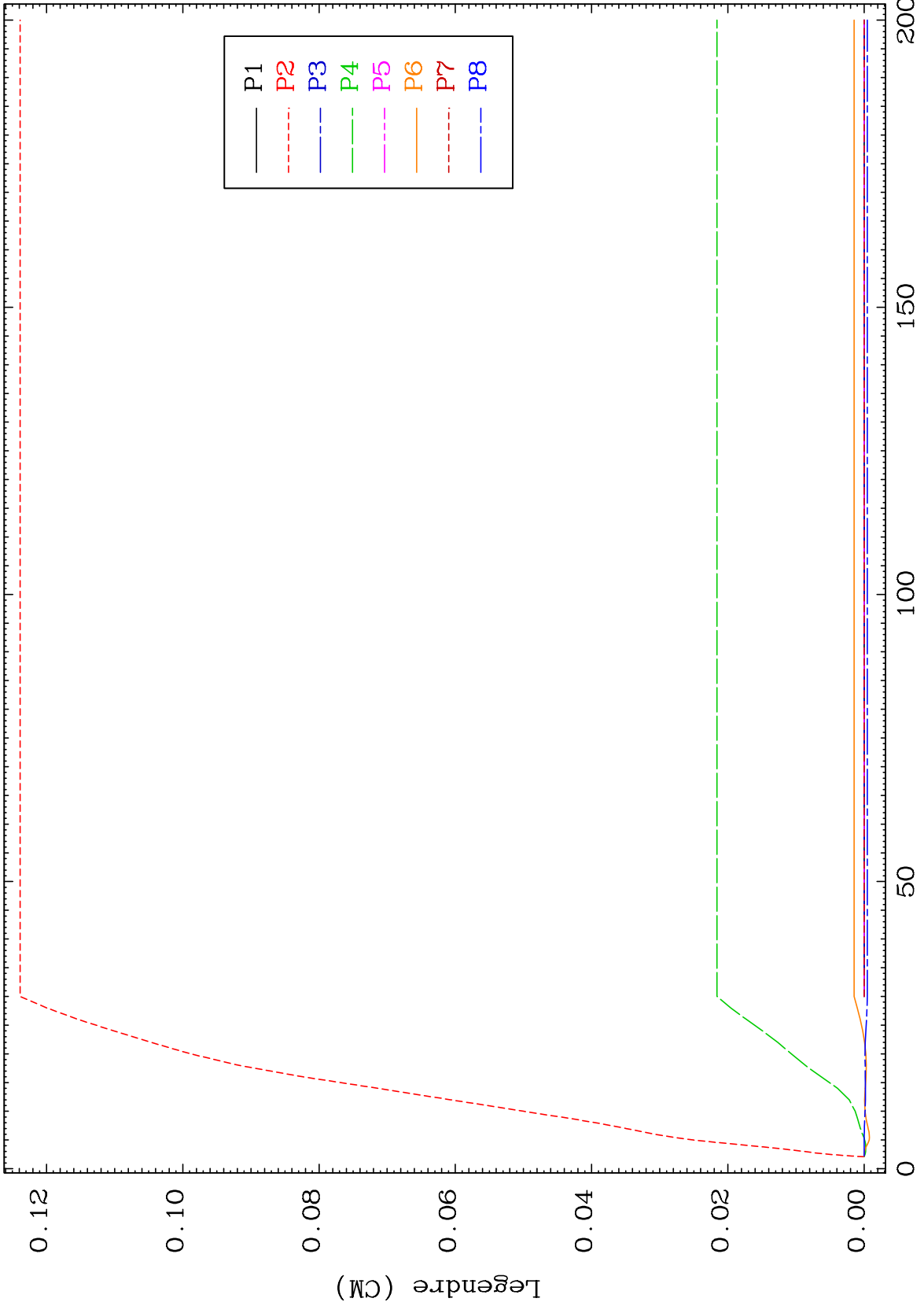


31-Ga-69

79

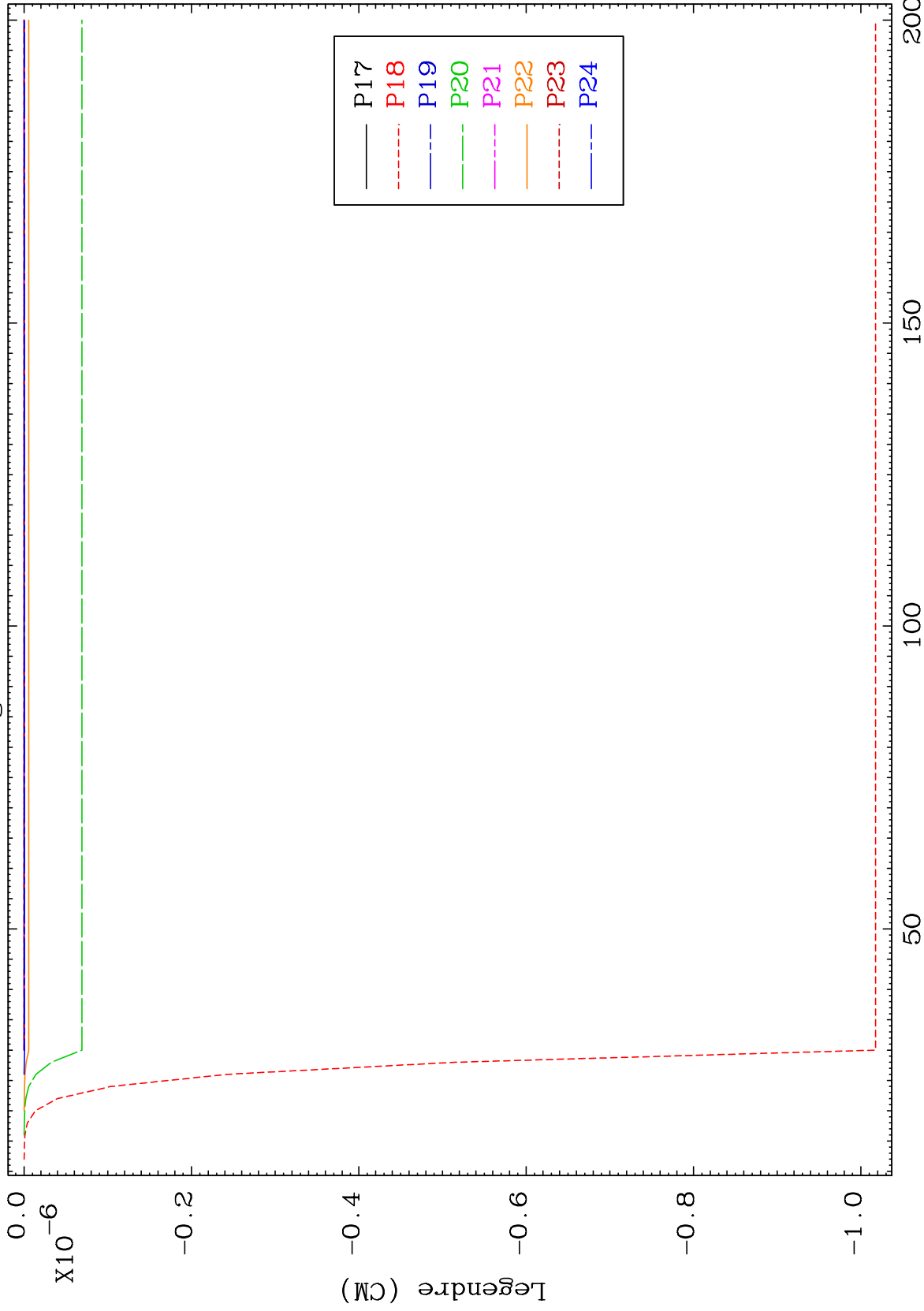


MAT 3125 MT= 68 (n,n') Level Legendre Coefficients 31-Ga-69



31-Ga-69

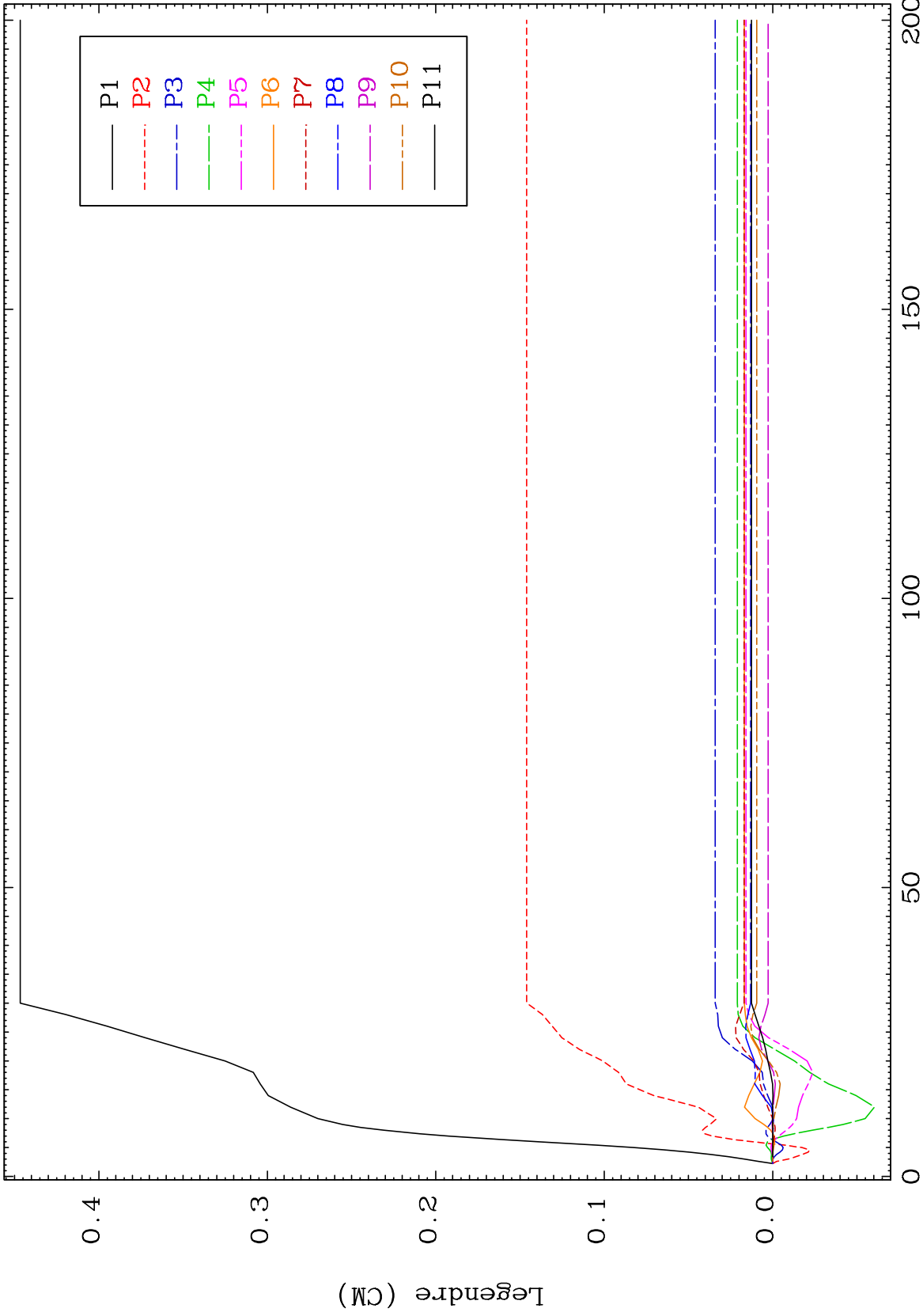




MAT 3125

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

31-Ga-69



83

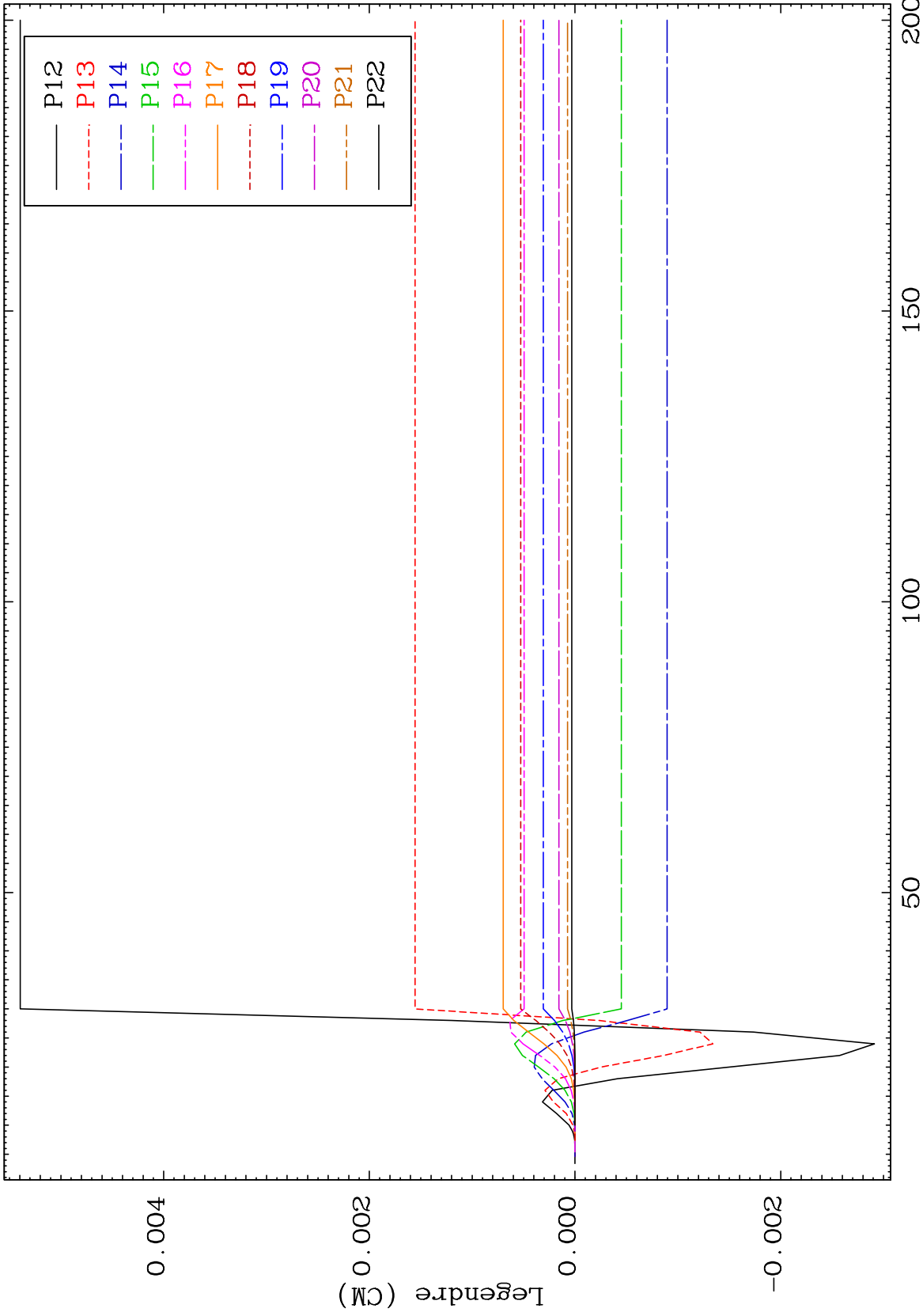
Incident Energy (MeV)

31-Ga-69

MAT 3125

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

31-Ga-69



84

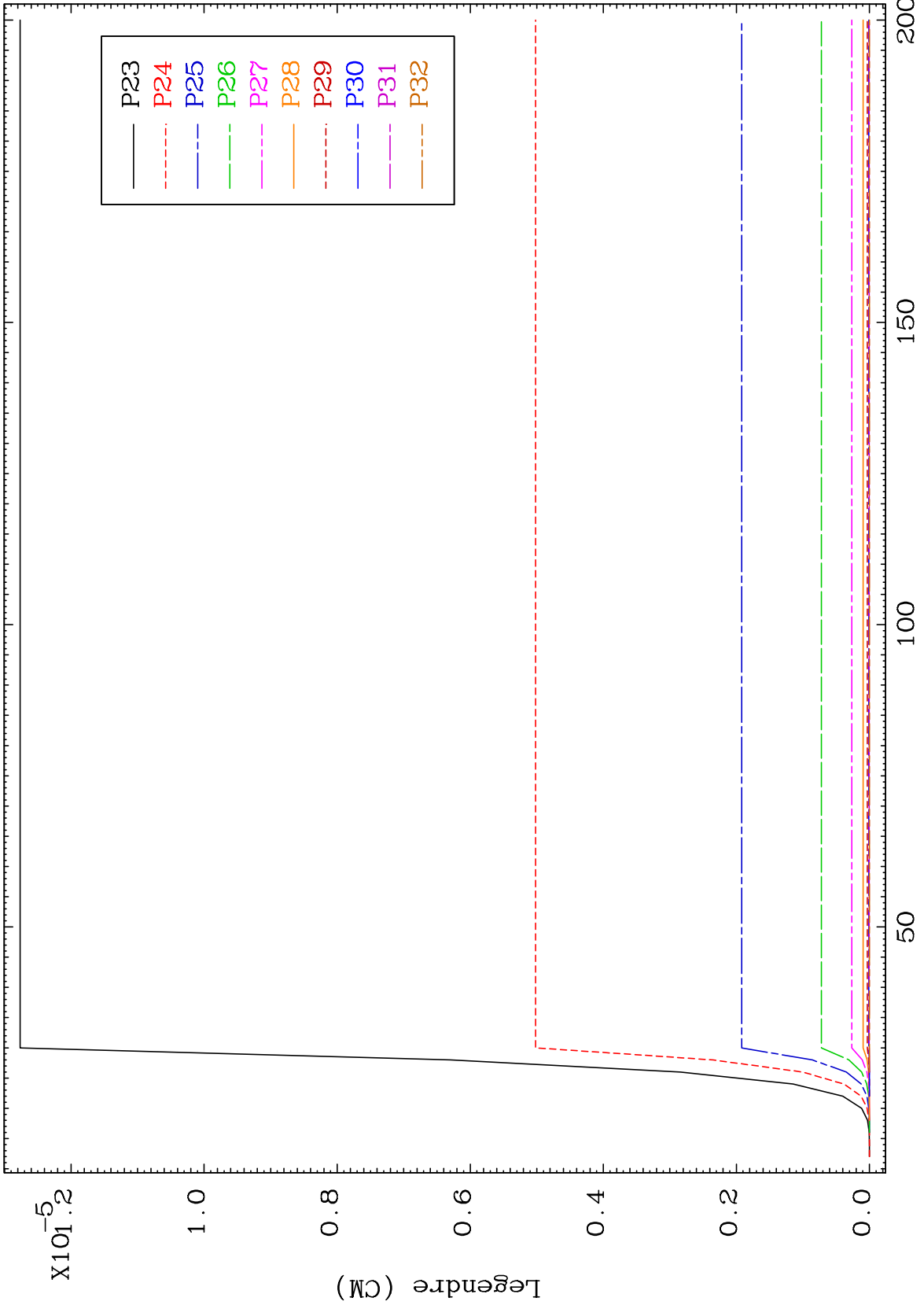
Incident Energy (MeV)

31-Ga-69

MAT 3125

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

31-Ga-69

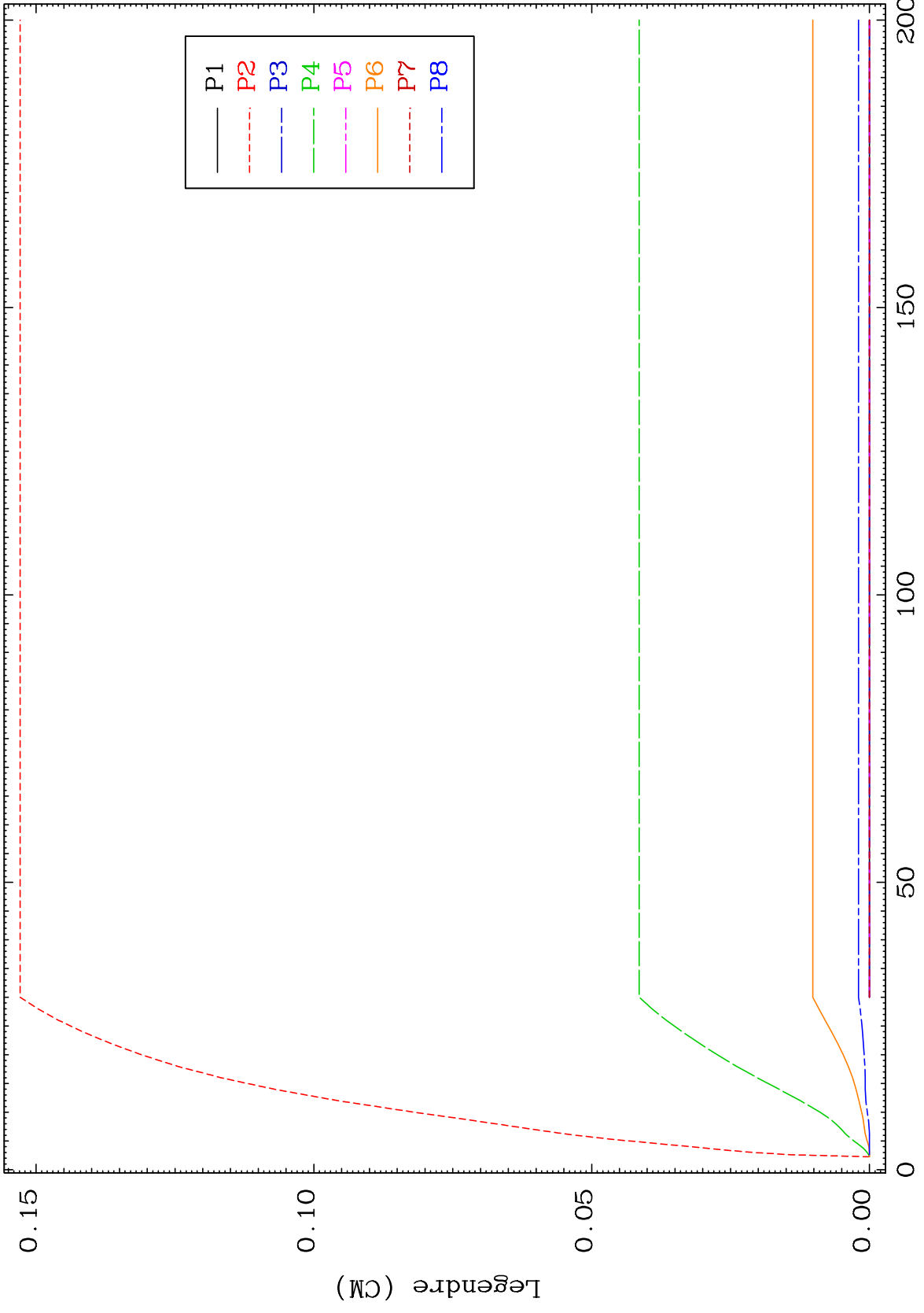


85

Incident Energy (MeV)

31-Ga-69

MAT 3125 MT= 70 (n,n') Level Legendre Coefficients 31-Ga-69

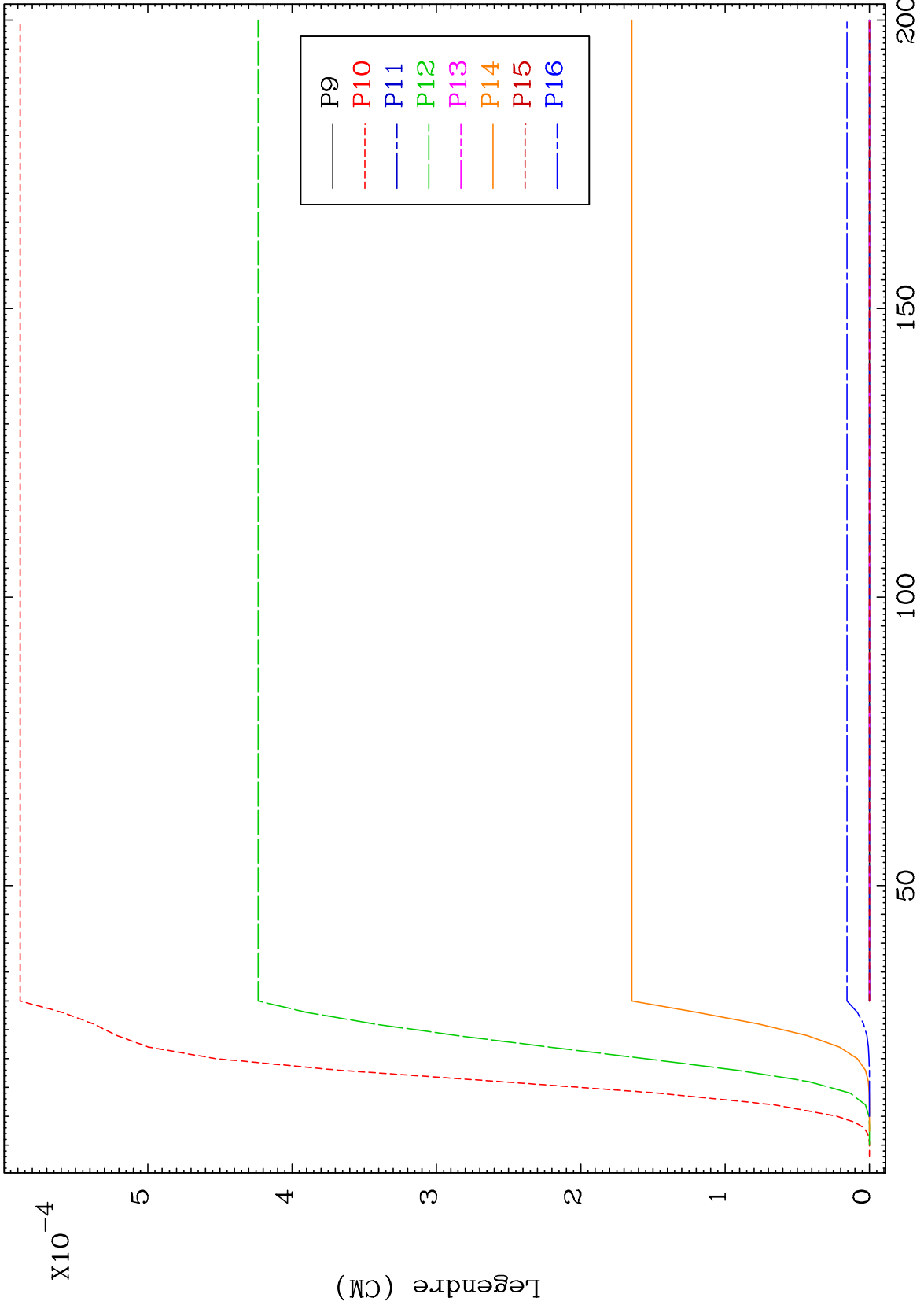


86 31-Ga-69

MAT 3125

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

31-Ga-69



87

Incident Energy (MeV)

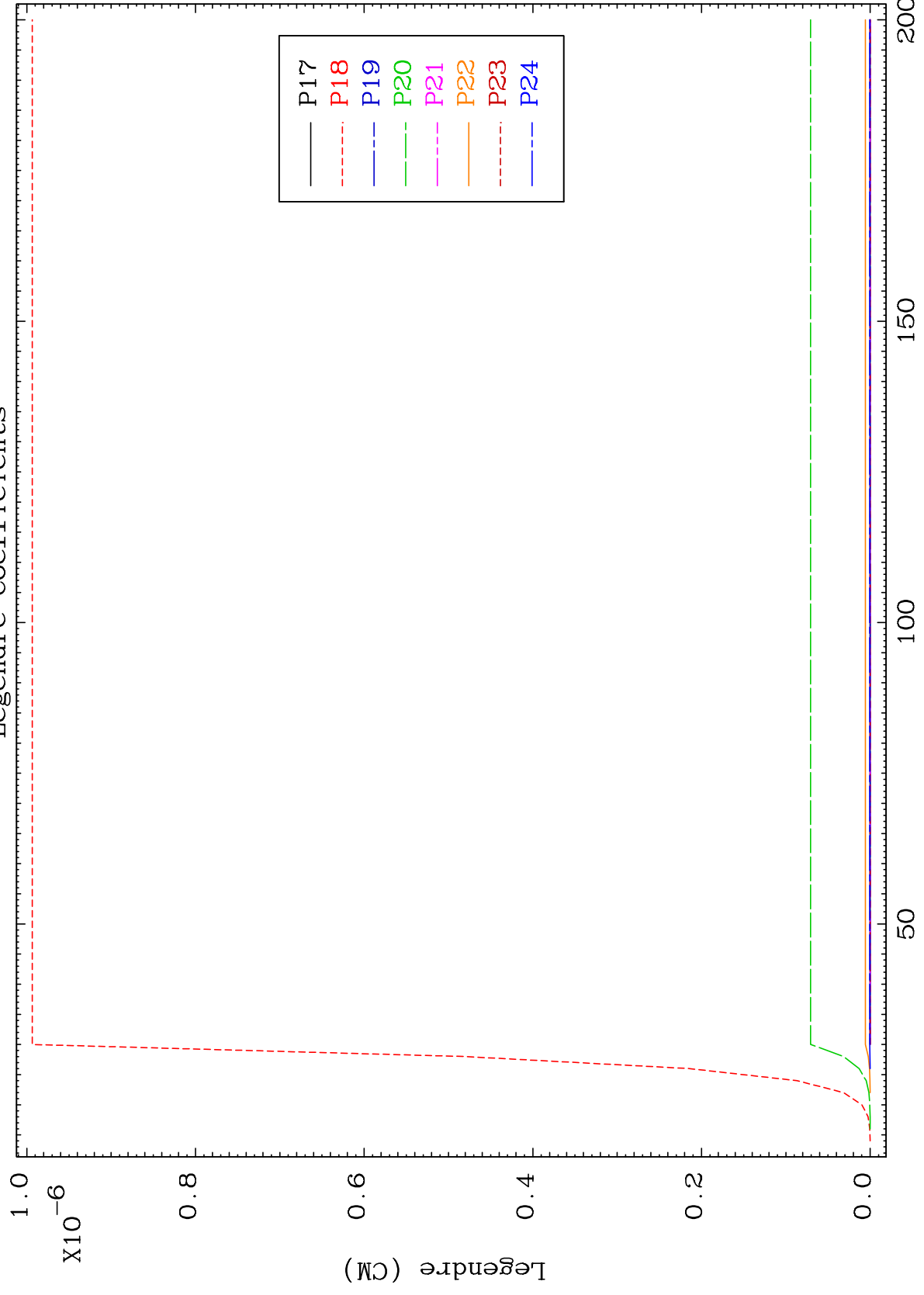
31-Ga-69



MAT 3125

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

31-Ga-69

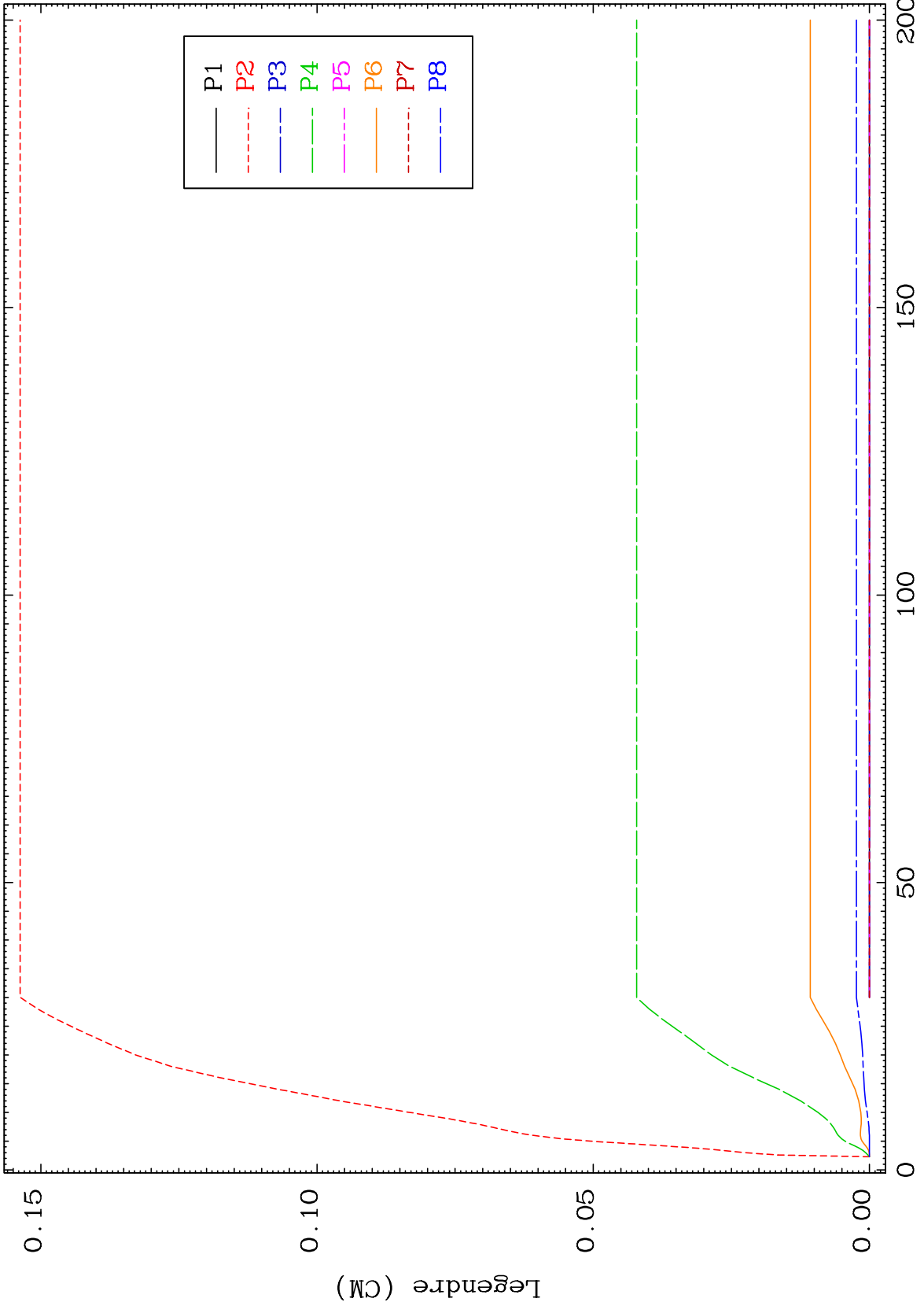


88

Incident Energy (MeV)

31-Ga-69

MAT 3125 MT= 71 (n,n') Level Legendre Coefficients 31-Ga-69

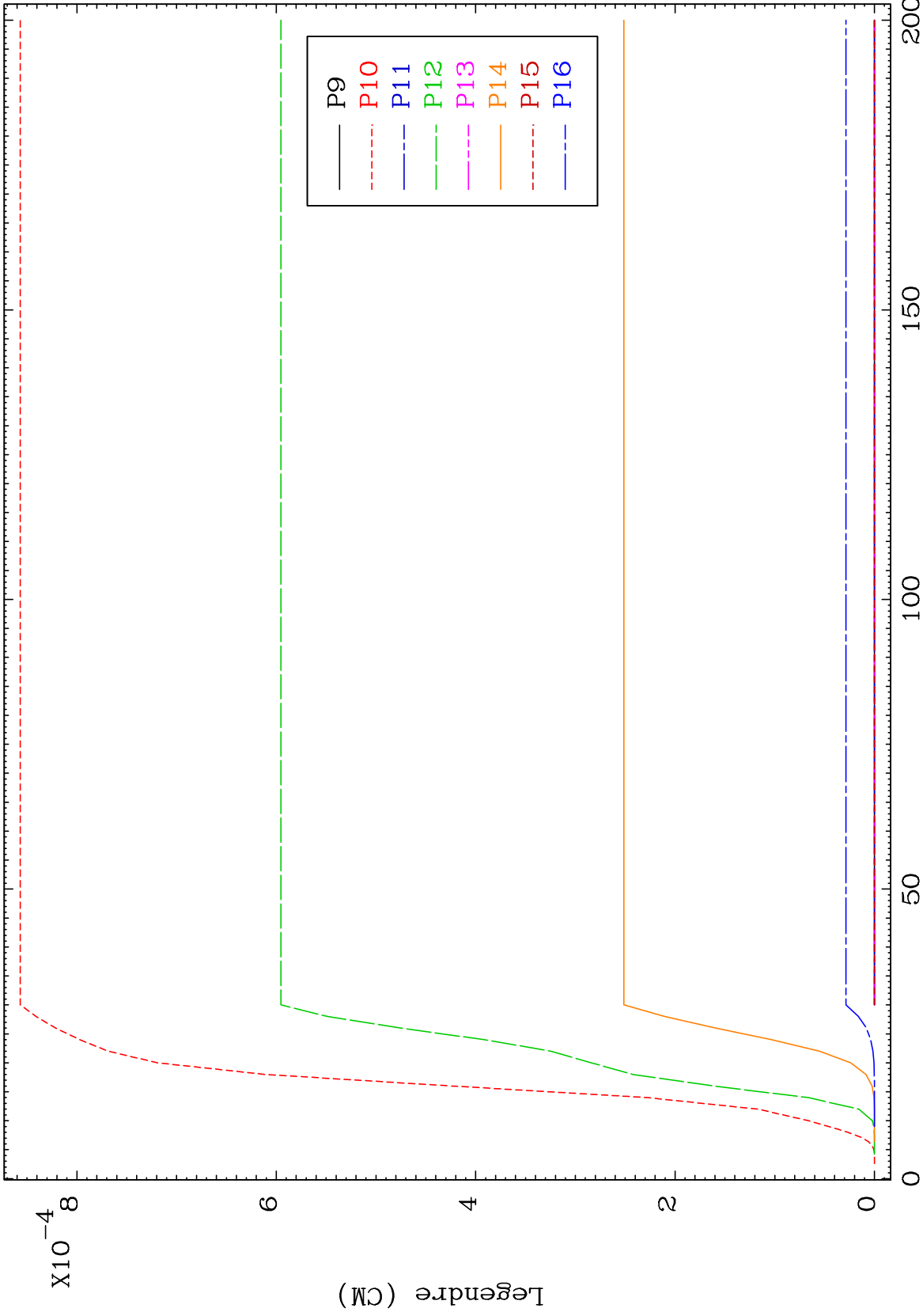


89 31-Ga-69

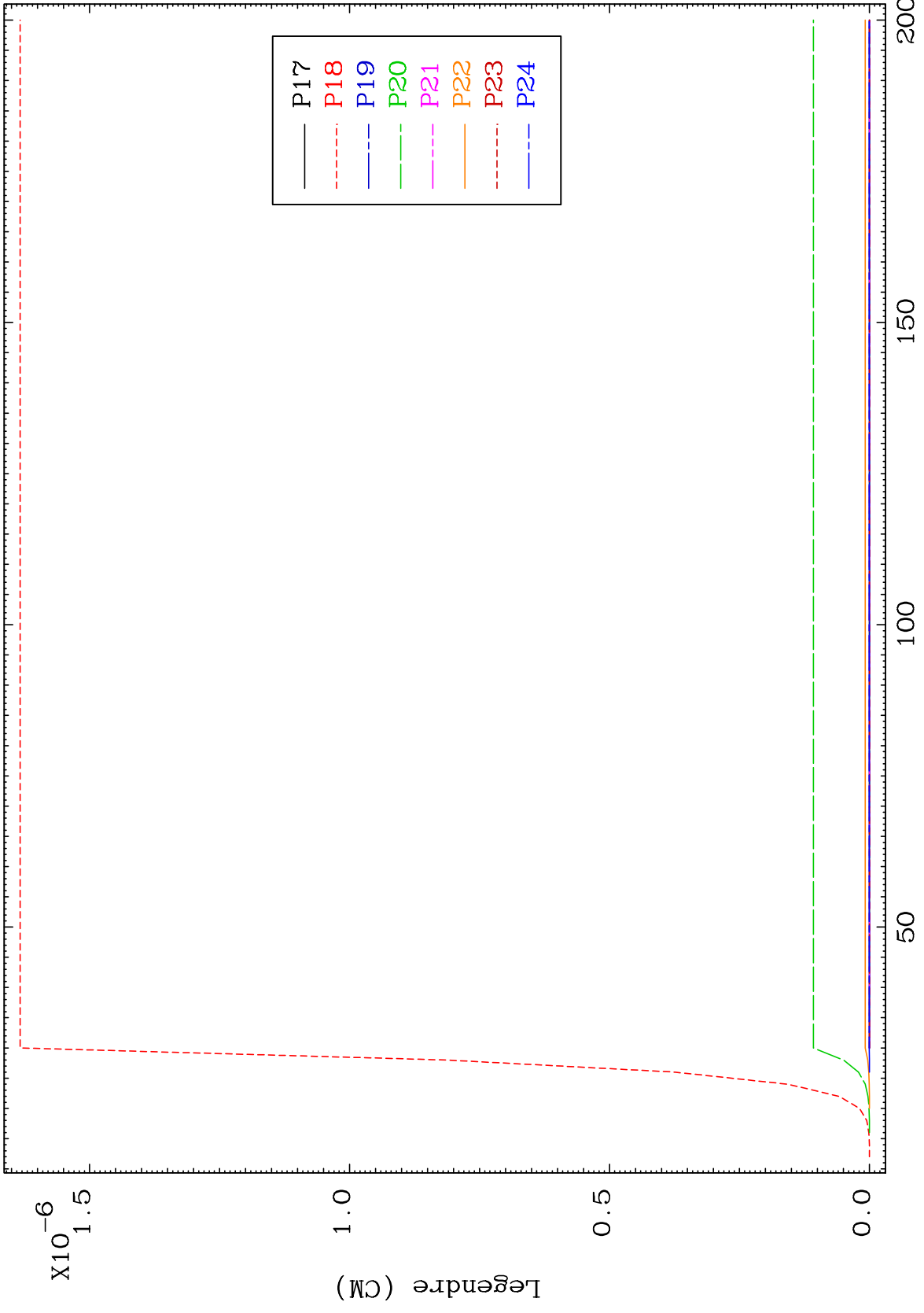
MAT 3125

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

31-Ga-69



MAT 3125 MT= 71 (n,n') Level Legendre Coefficients 31-Ga-69

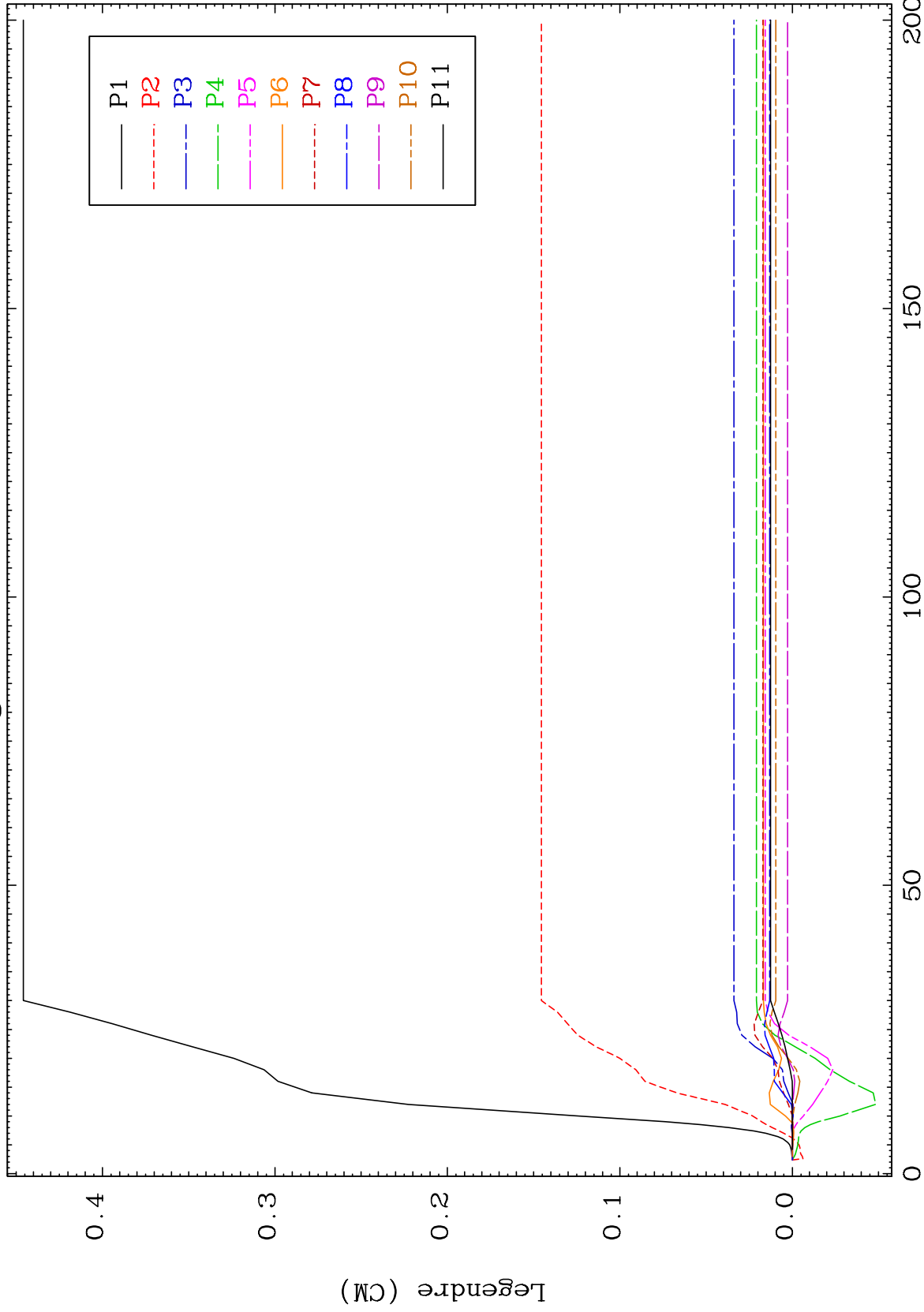


91 31-Ga-69

MAT 3125

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

31-Ga-69



92

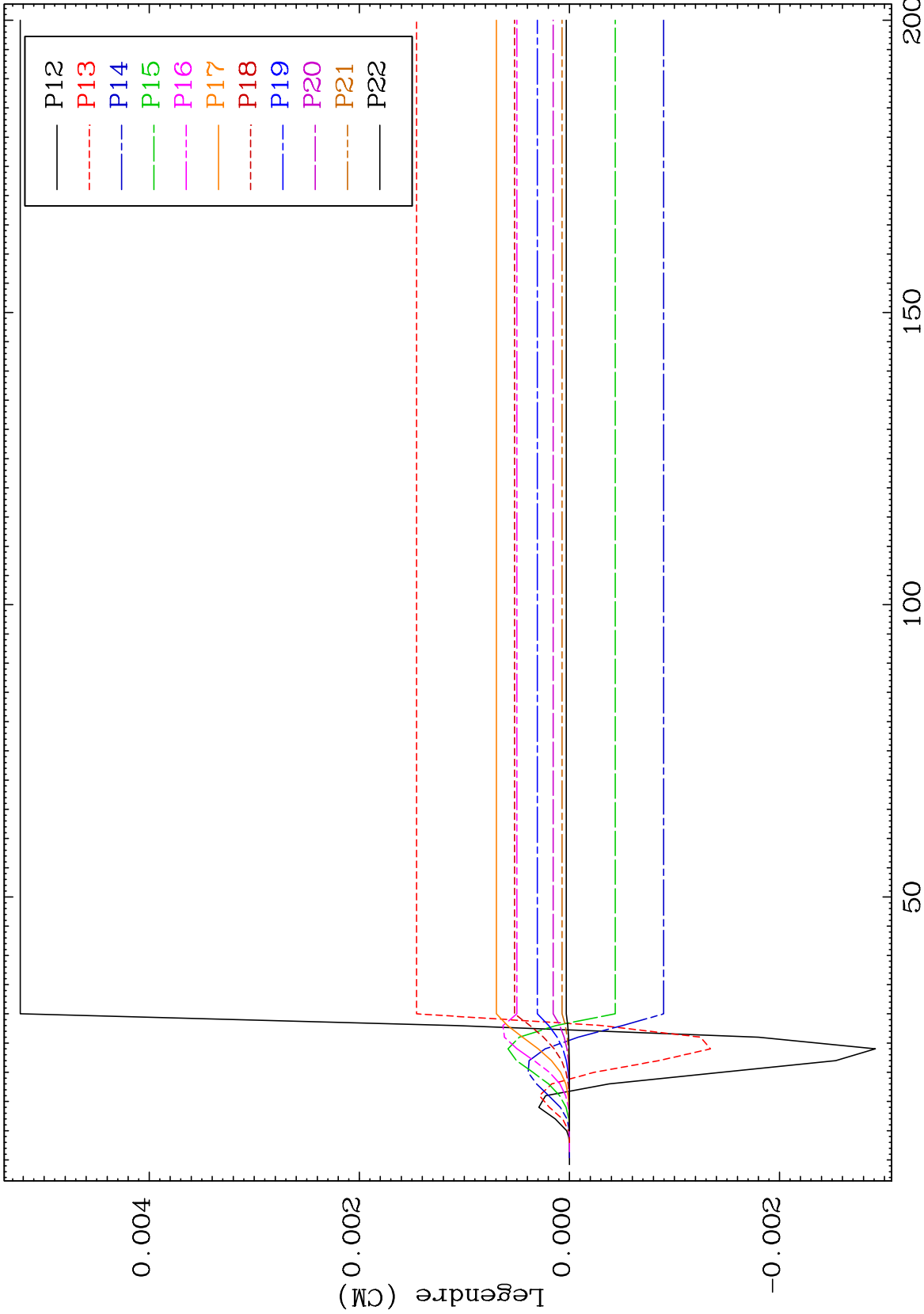
Incident Energy (MeV)

31-Ga-69

MAT 3125

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

31-Ga-69



93

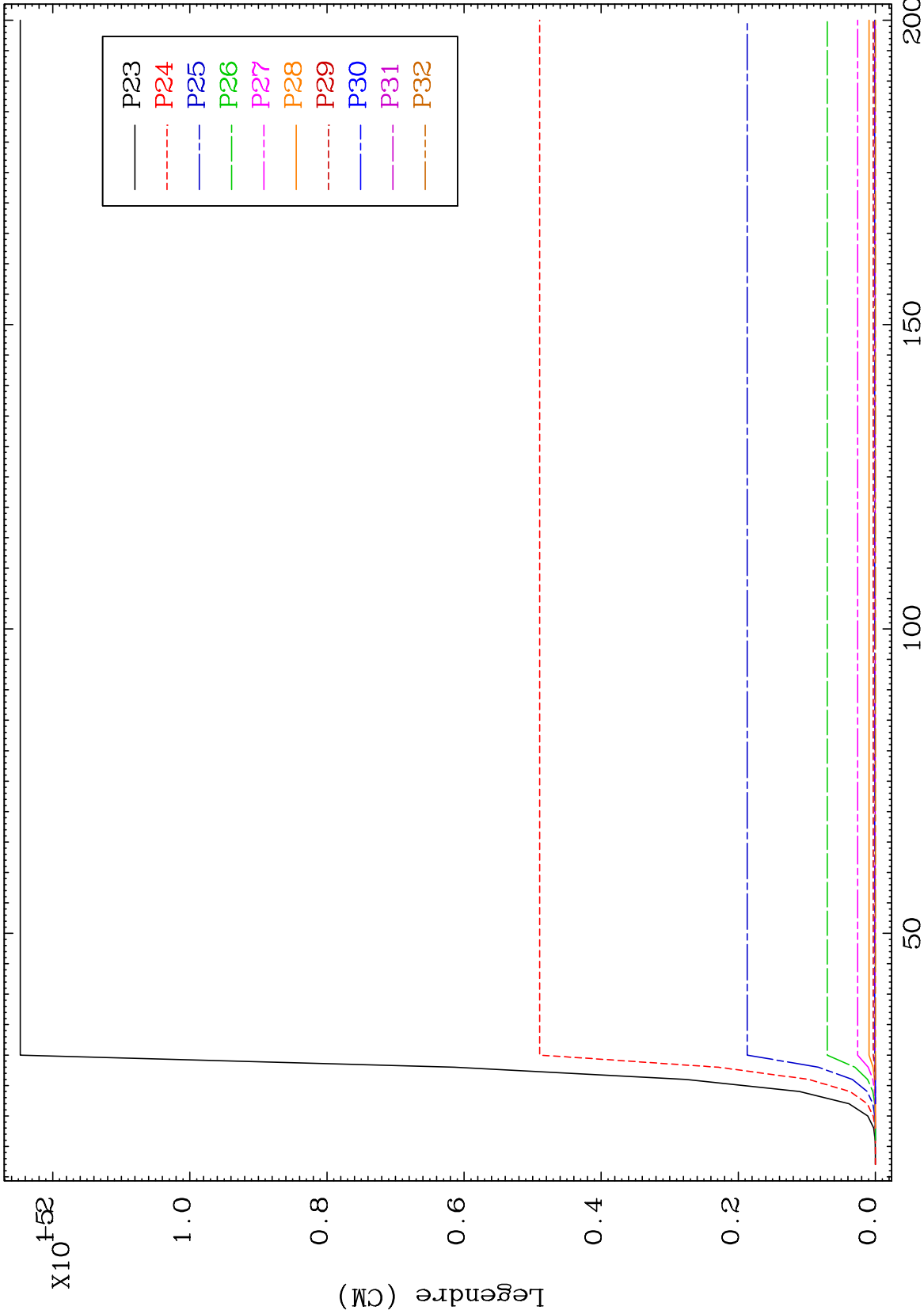
Incident Energy (MeV)

31-Ga-69

MAT 3125

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

31-Ga-69



94

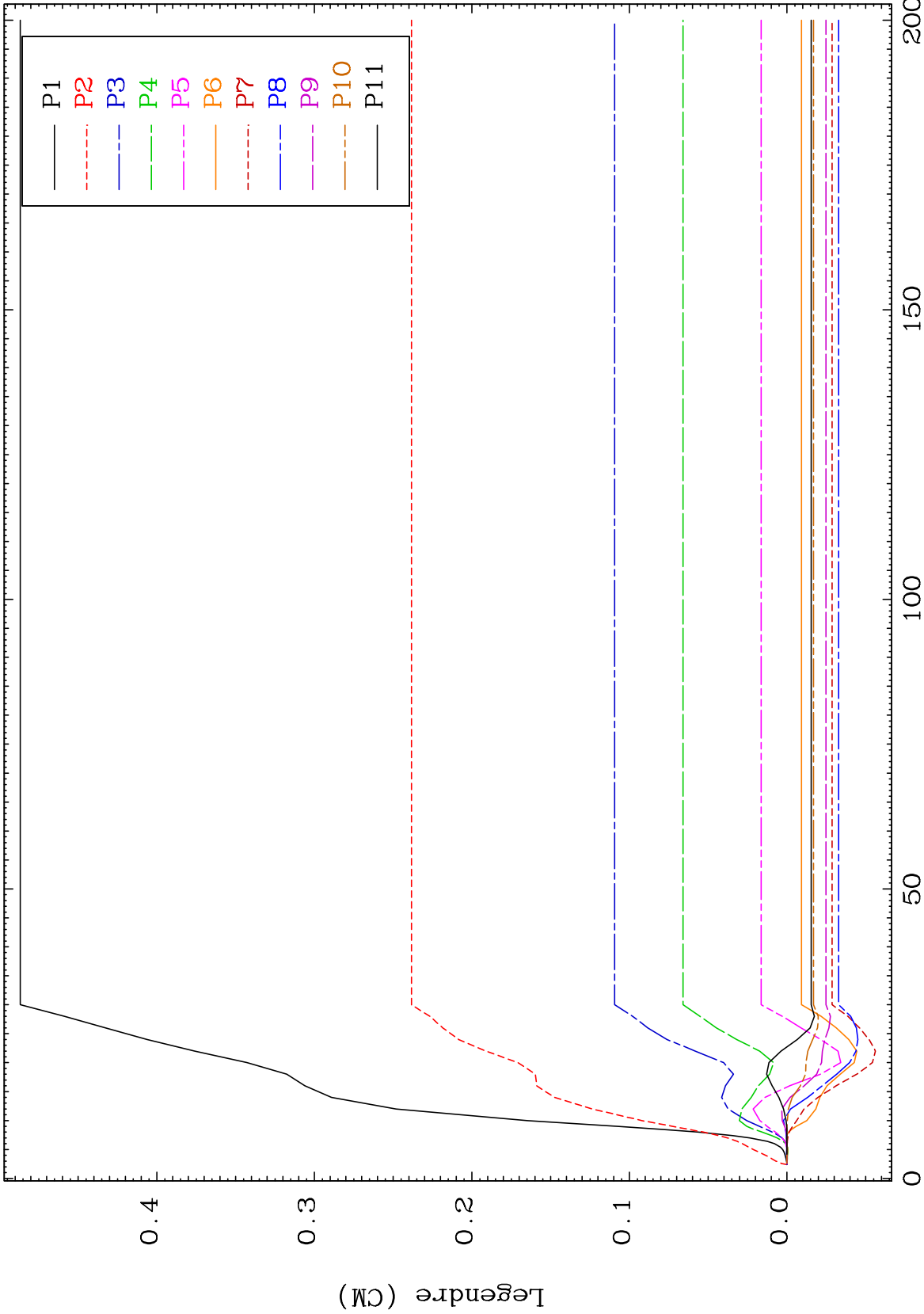
Incident Energy (MeV)

31-Ga-69

MAT 3125

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

31-Ga-69



95

Incident Energy (MeV)

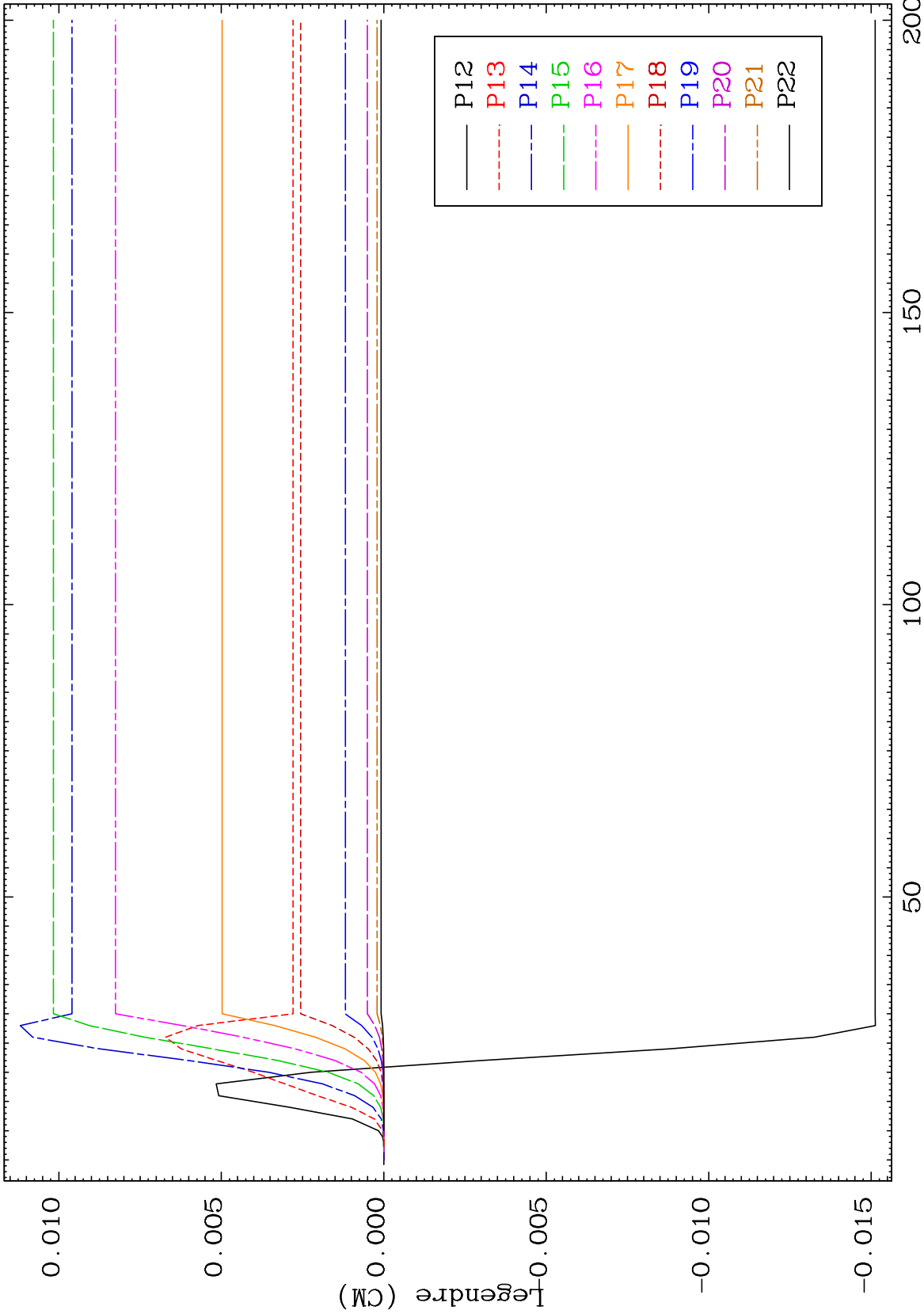
31-Ga-69



MAT 3125

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

31-Ga-69



96

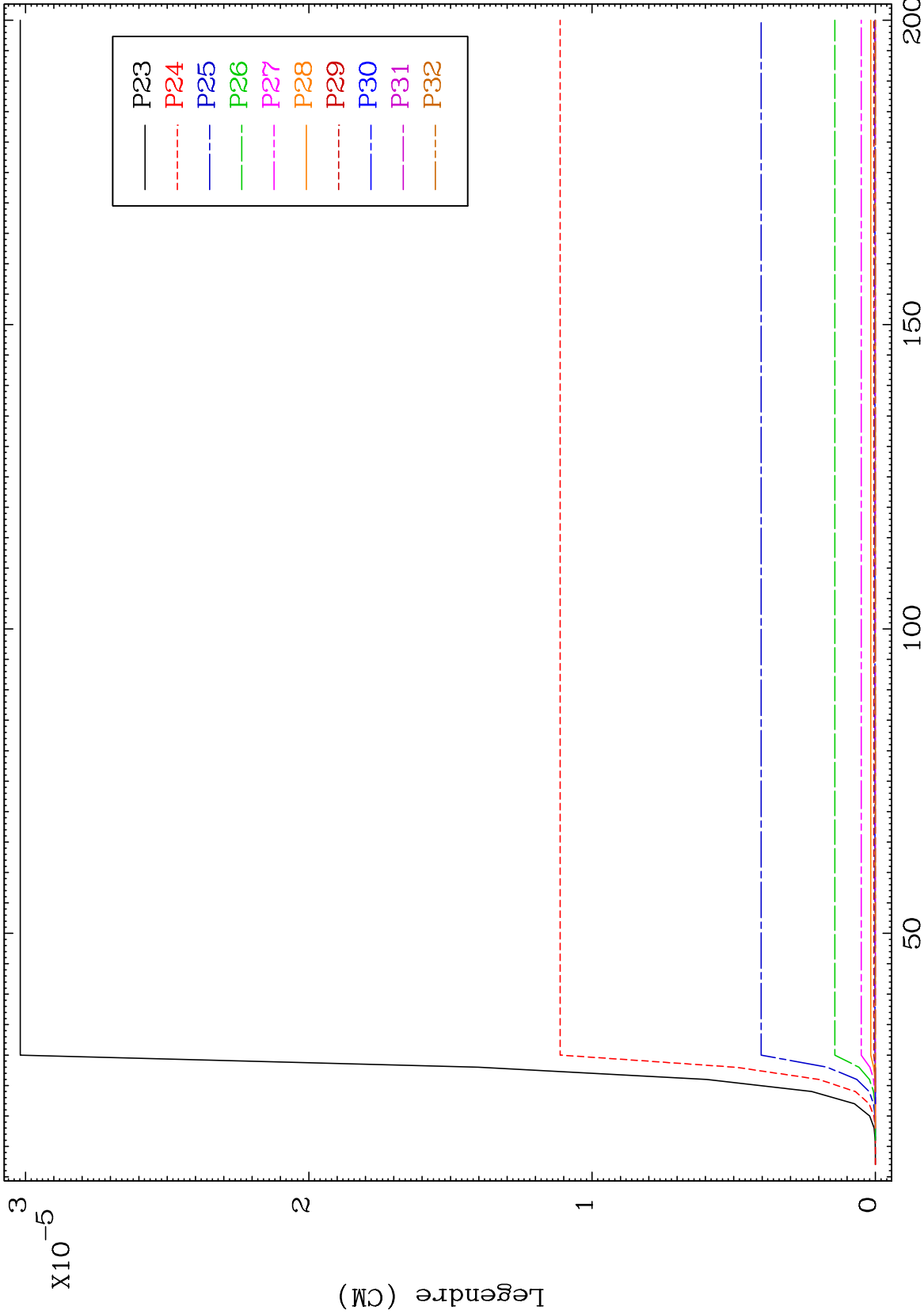
Incident Energy (MeV)

31-Ga-69

MAT 3125

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

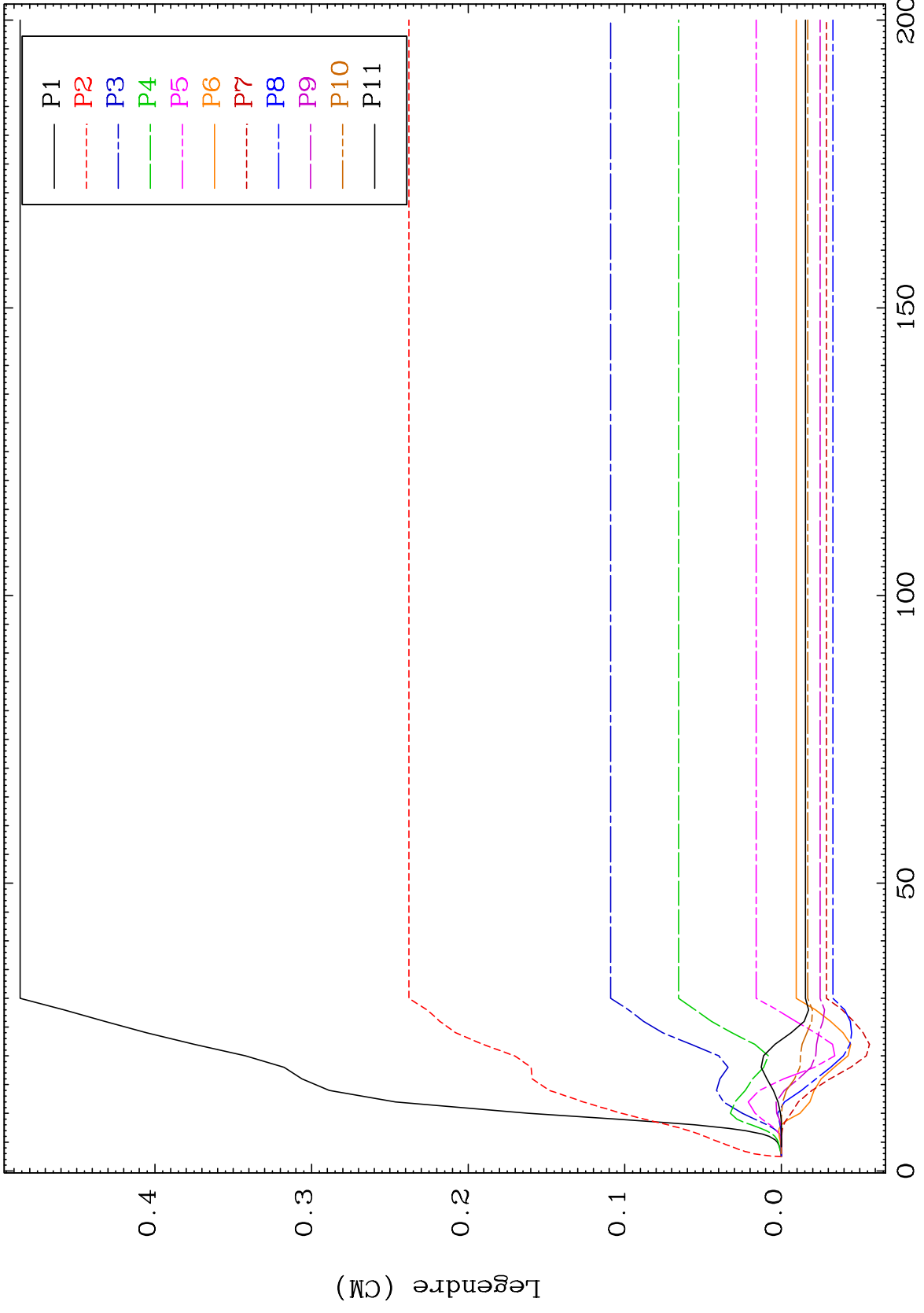
31-Ga-69



MAT 3125

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

31-Ga-69



98

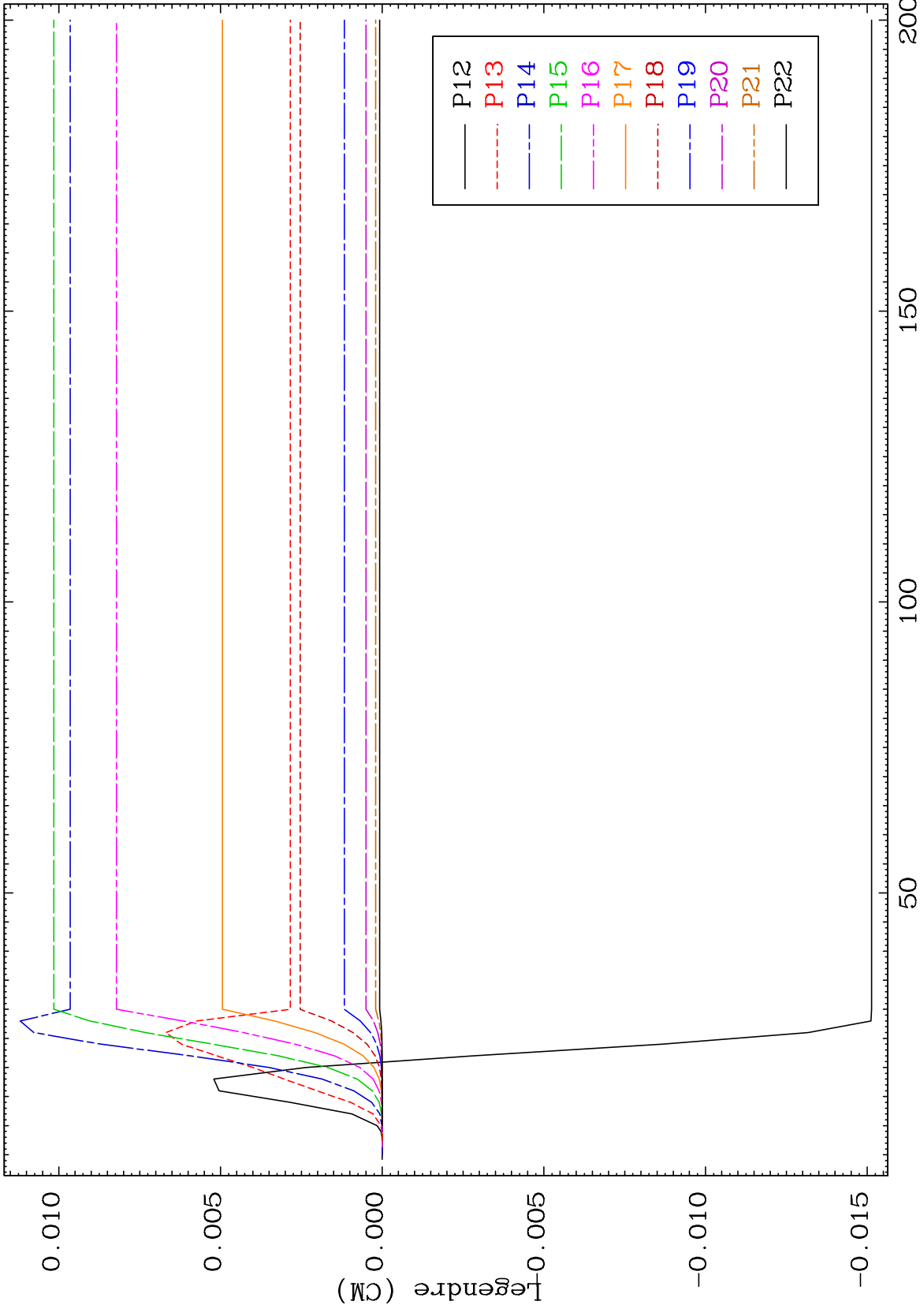
Incident Energy (MeV)

31-Ga-69

MAT 3125

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

31-Ga-69



99

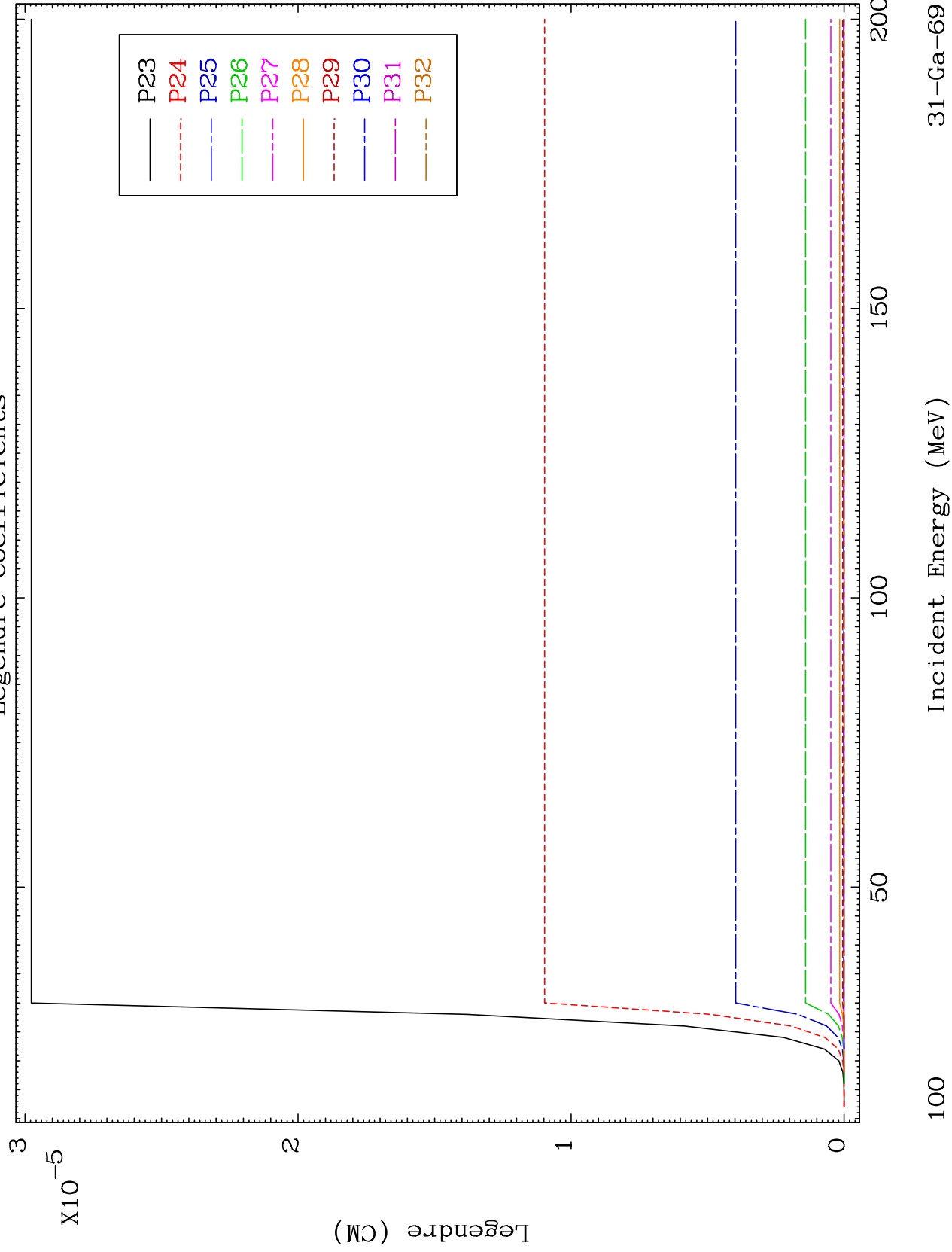
Incident Energy (MeV)

31-Ga-69

MAT 3125

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

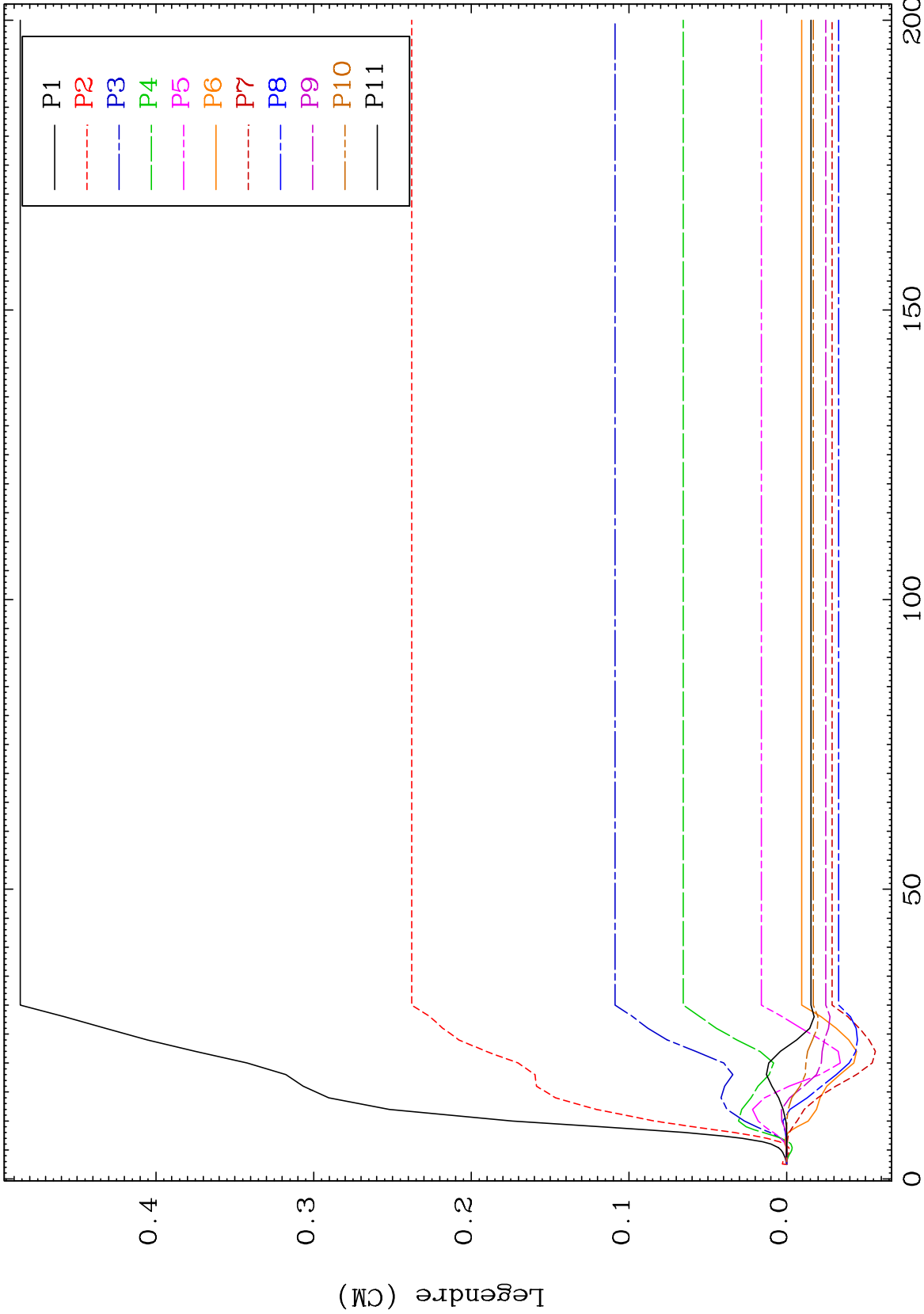
31-Ga-69



MAT 3125

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

31-Ga-69



101

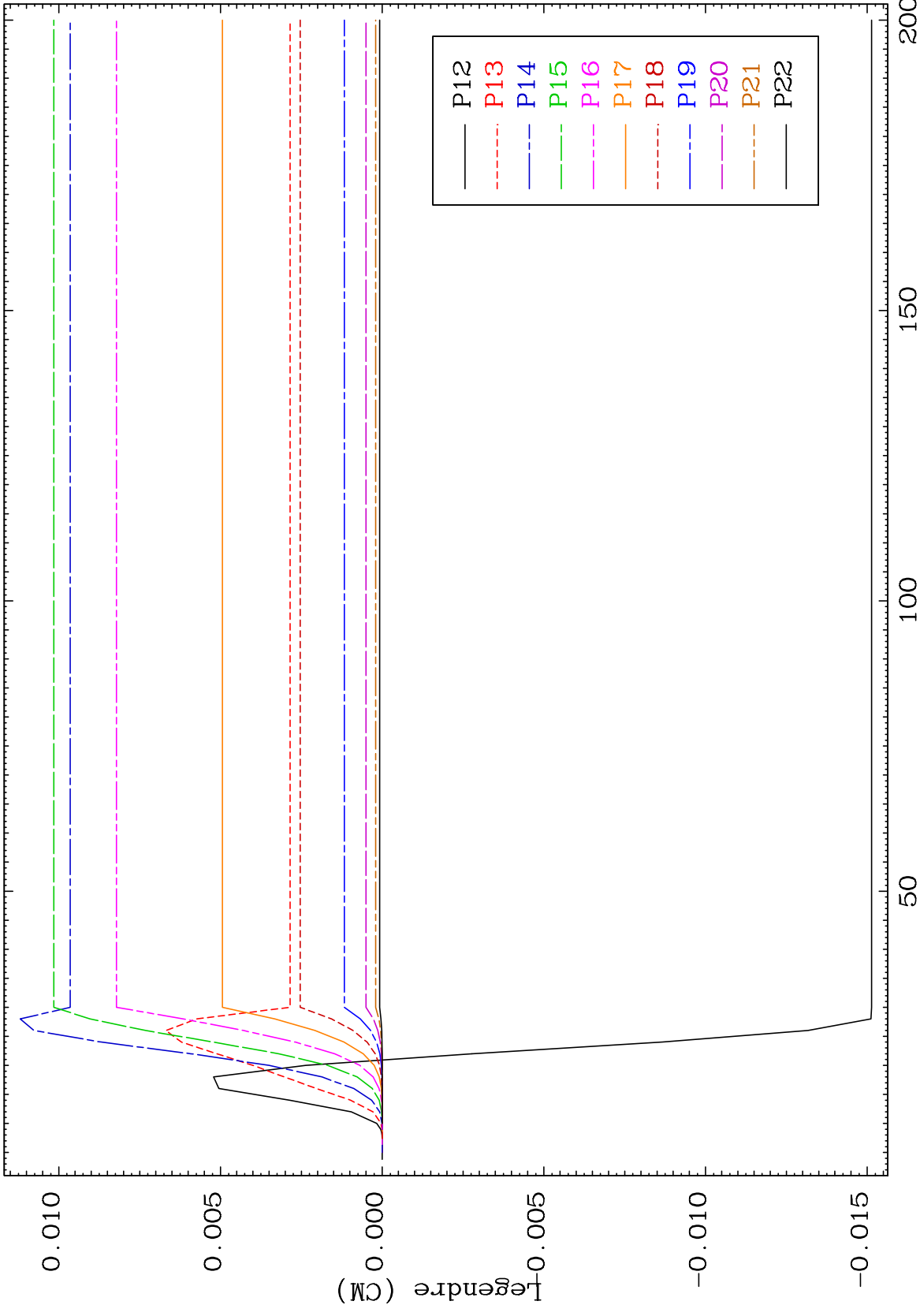
Incident Energy (MeV)

31-Ga-69

MAT 3125

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

31-Ga-69



102

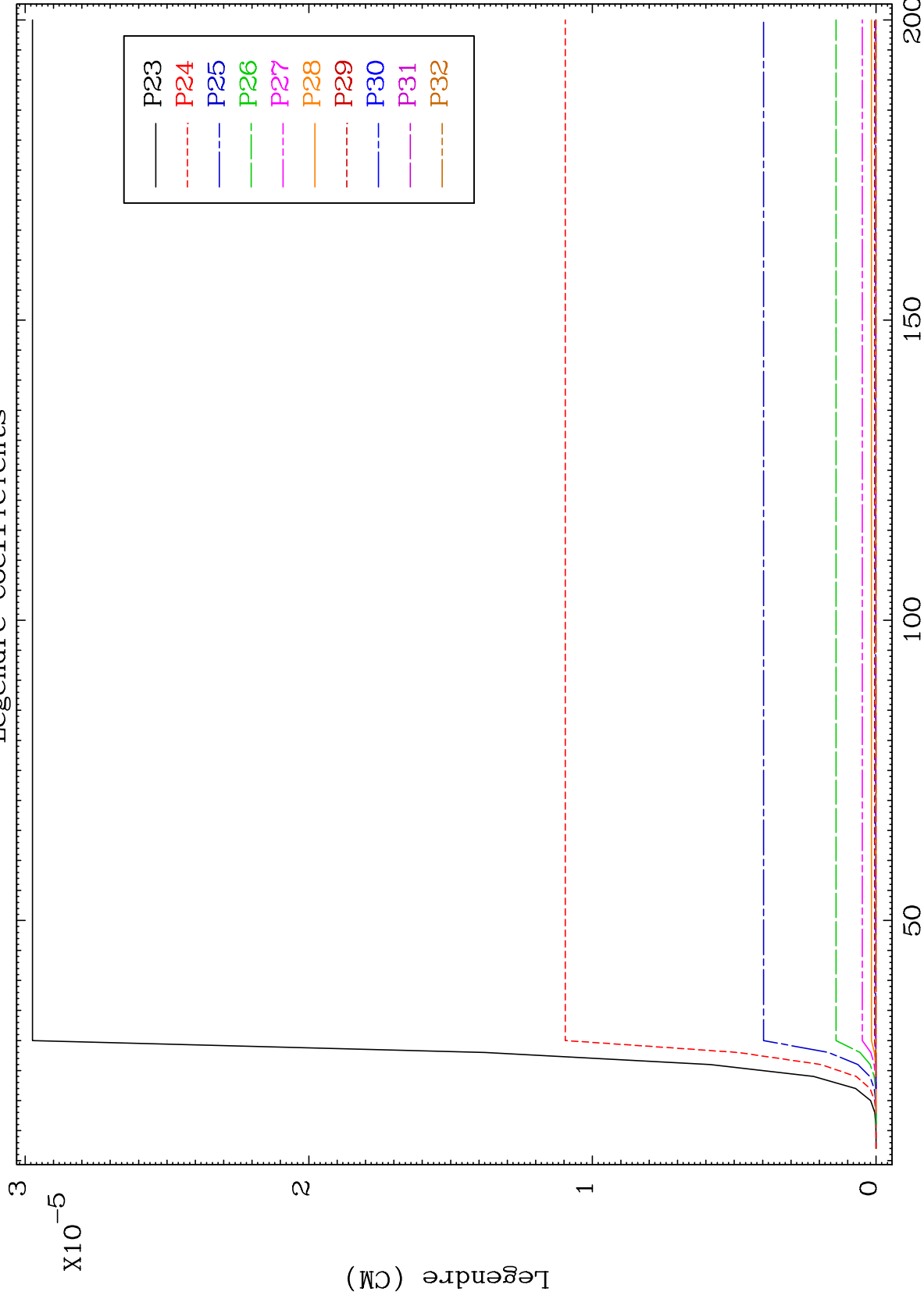
Incident Energy (MeV)

31-Ga-69

MAT 3125

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

31-Ga-69



103

Incident Energy (MeV)

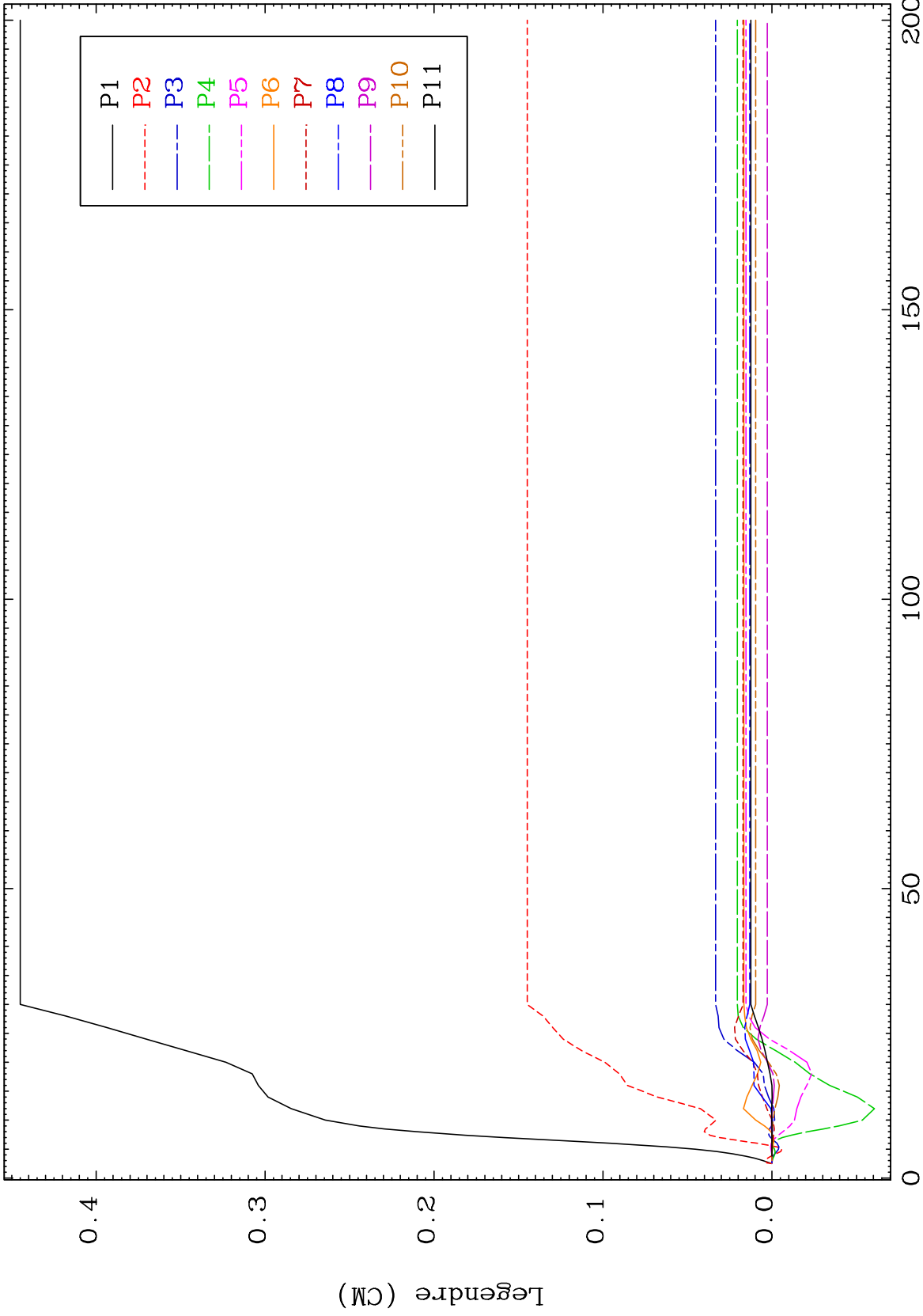
31-Ga-69



MAT 3125

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

31-Ga-69



104

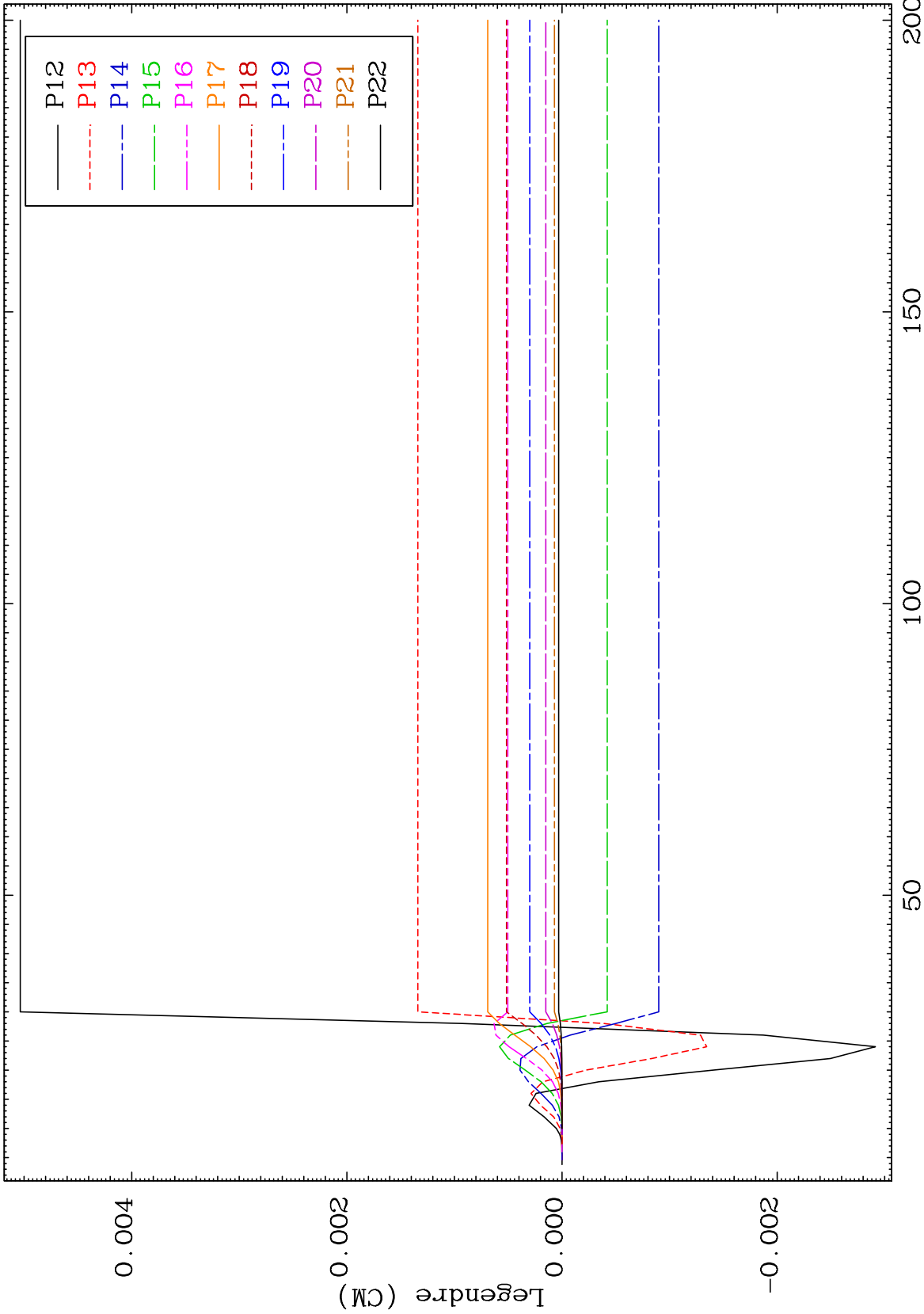
Incident Energy (MeV)

31-Ga-69

MAT 3125

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

31-Ga-69



105

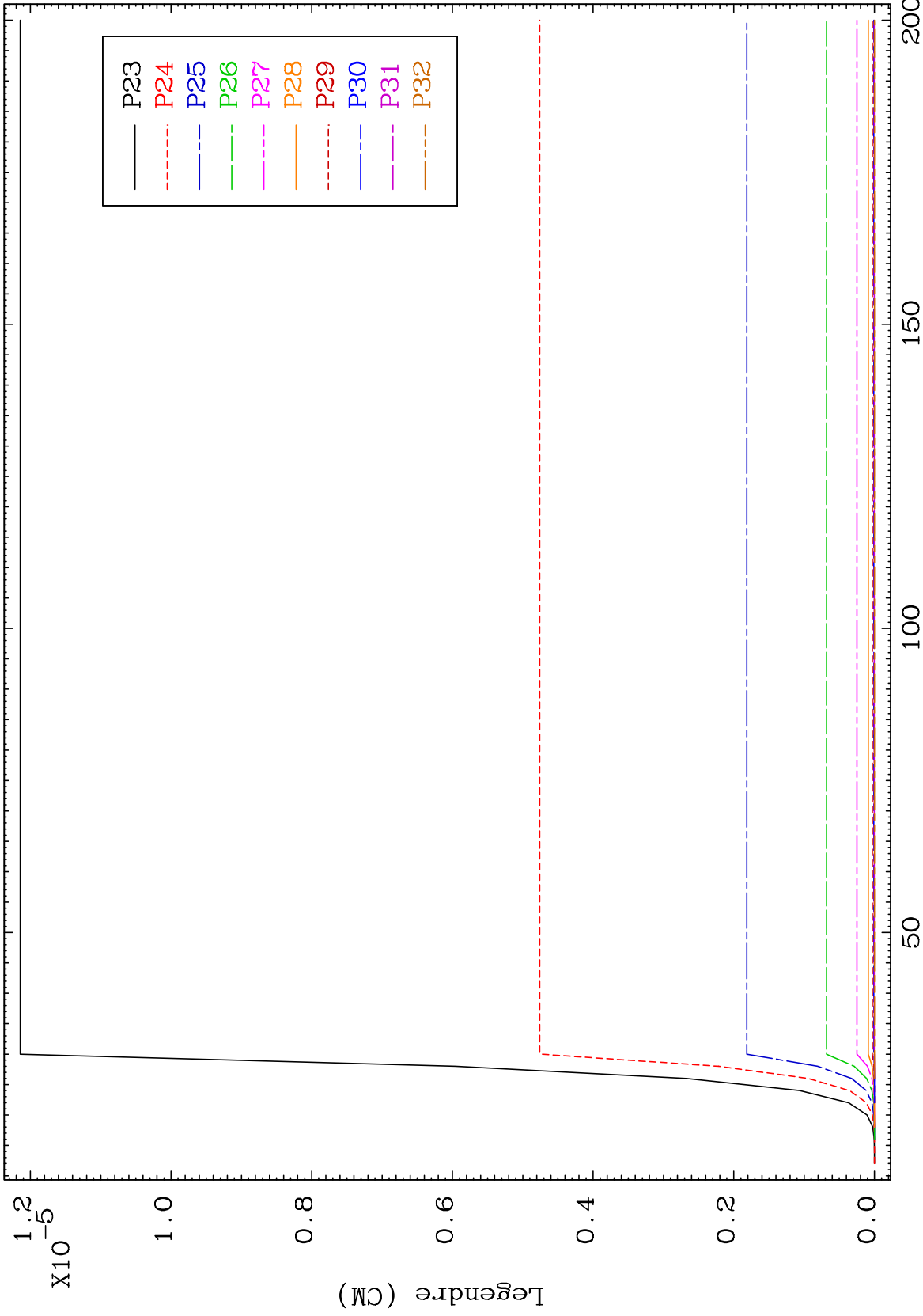
Incident Energy (MeV)

31-Ga-69

MAT 3125

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

31-Ga-69



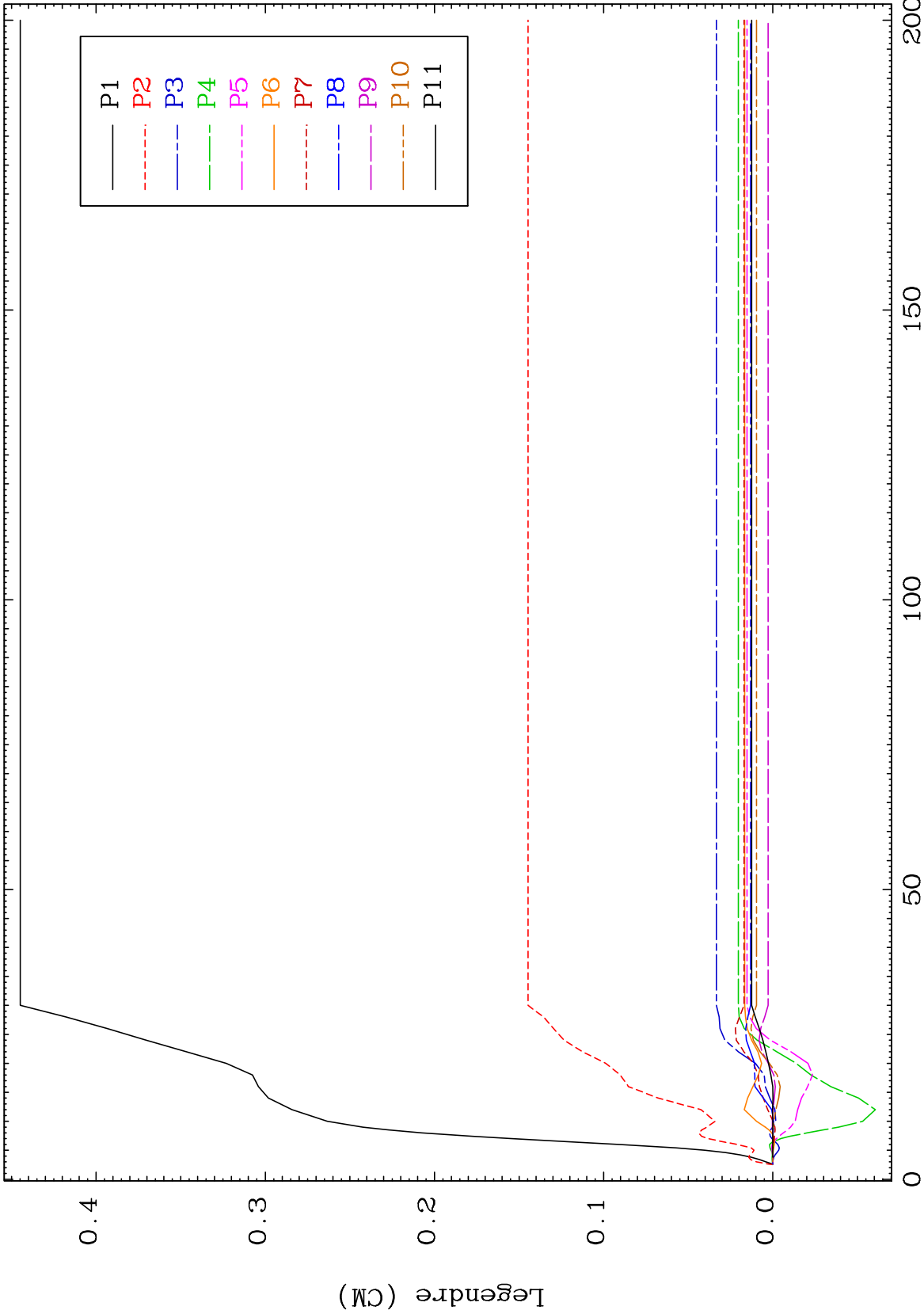
106

31-Ga-69

MAT 3125

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

31-Ga-69



107

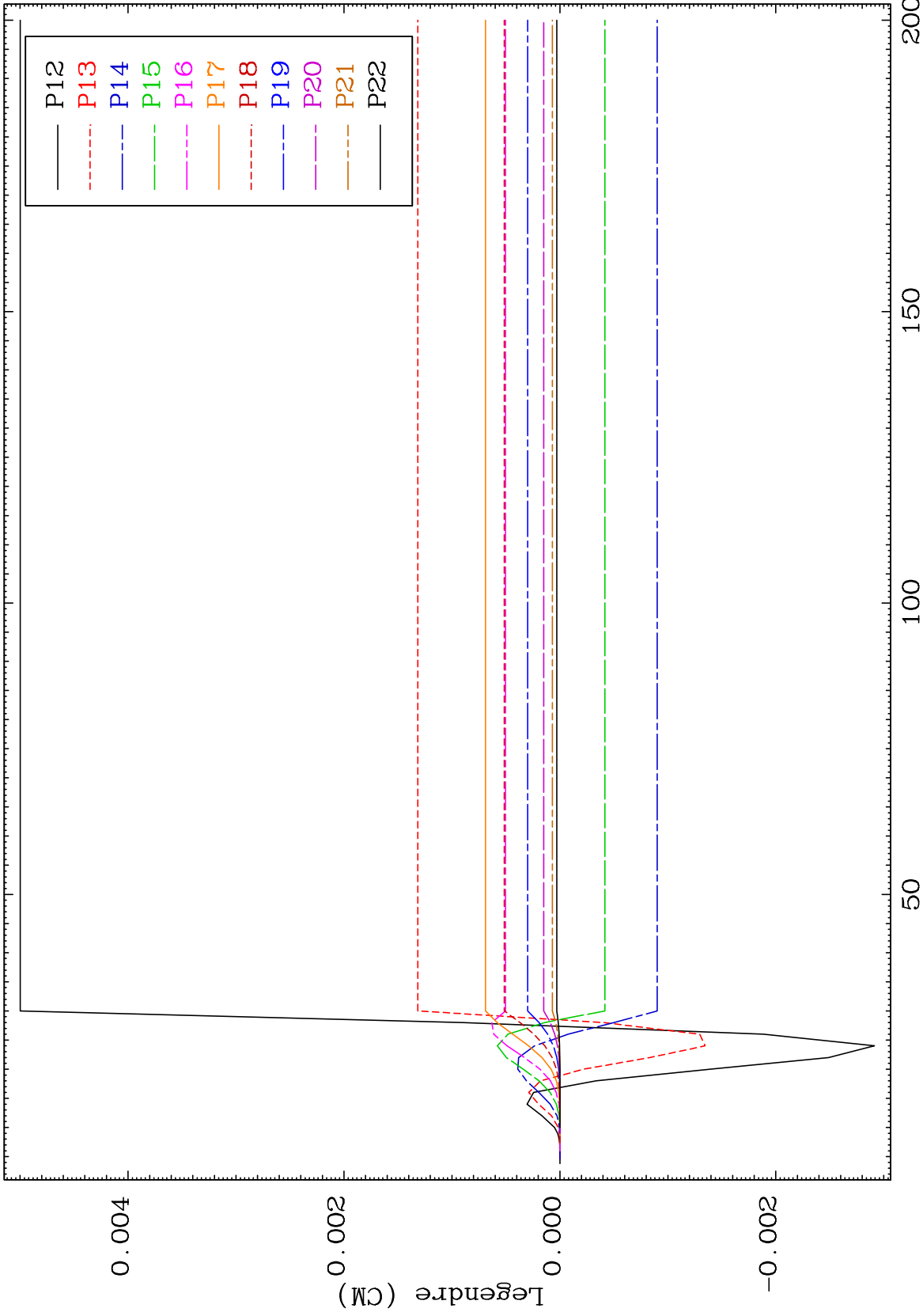
Incident Energy (MeV)

31-Ga-69

MAT 3125

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

31-Ga-69



108

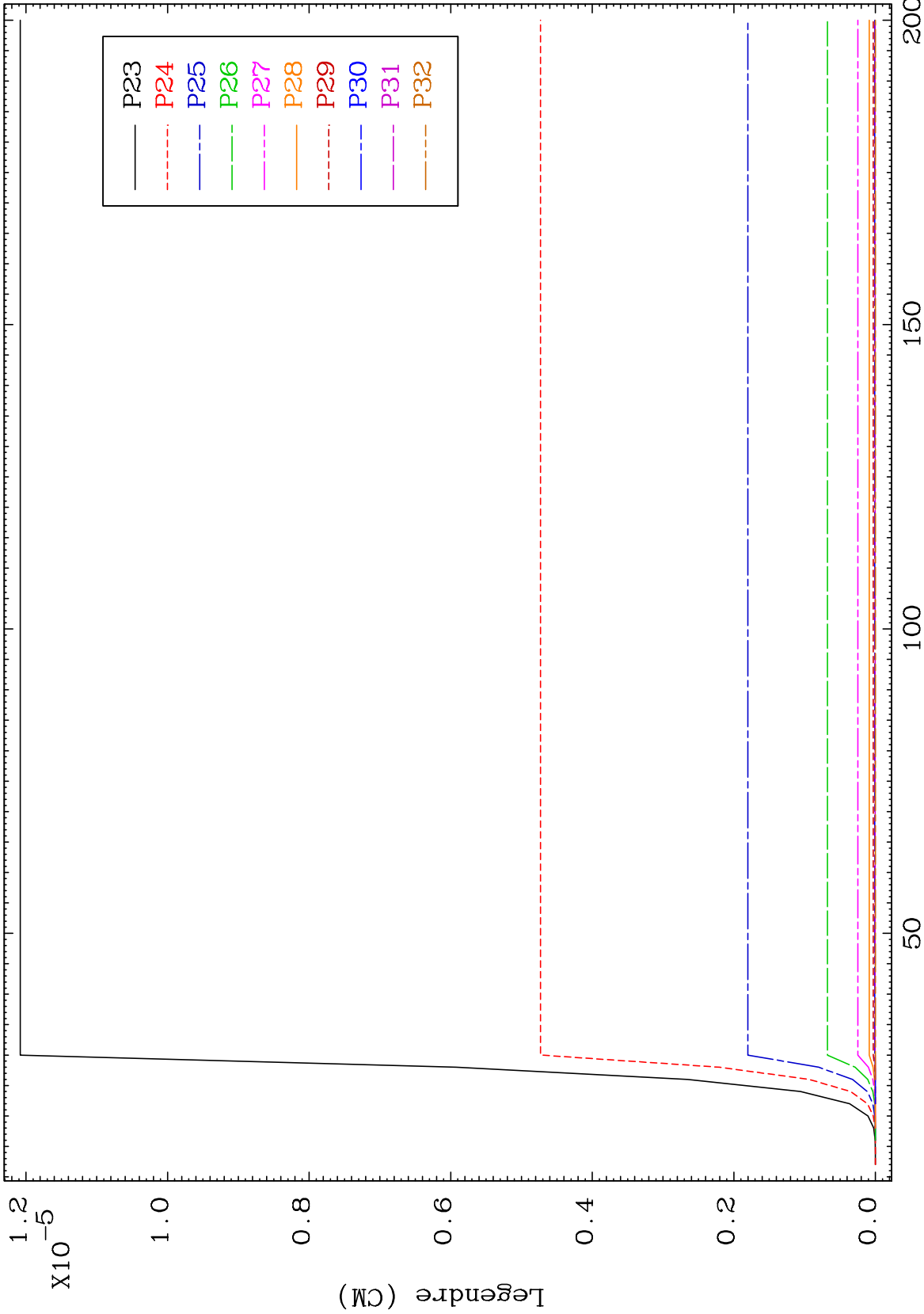
Incident Energy (MeV)

31-Ga-69

MAT 3125

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

31-Ga-69



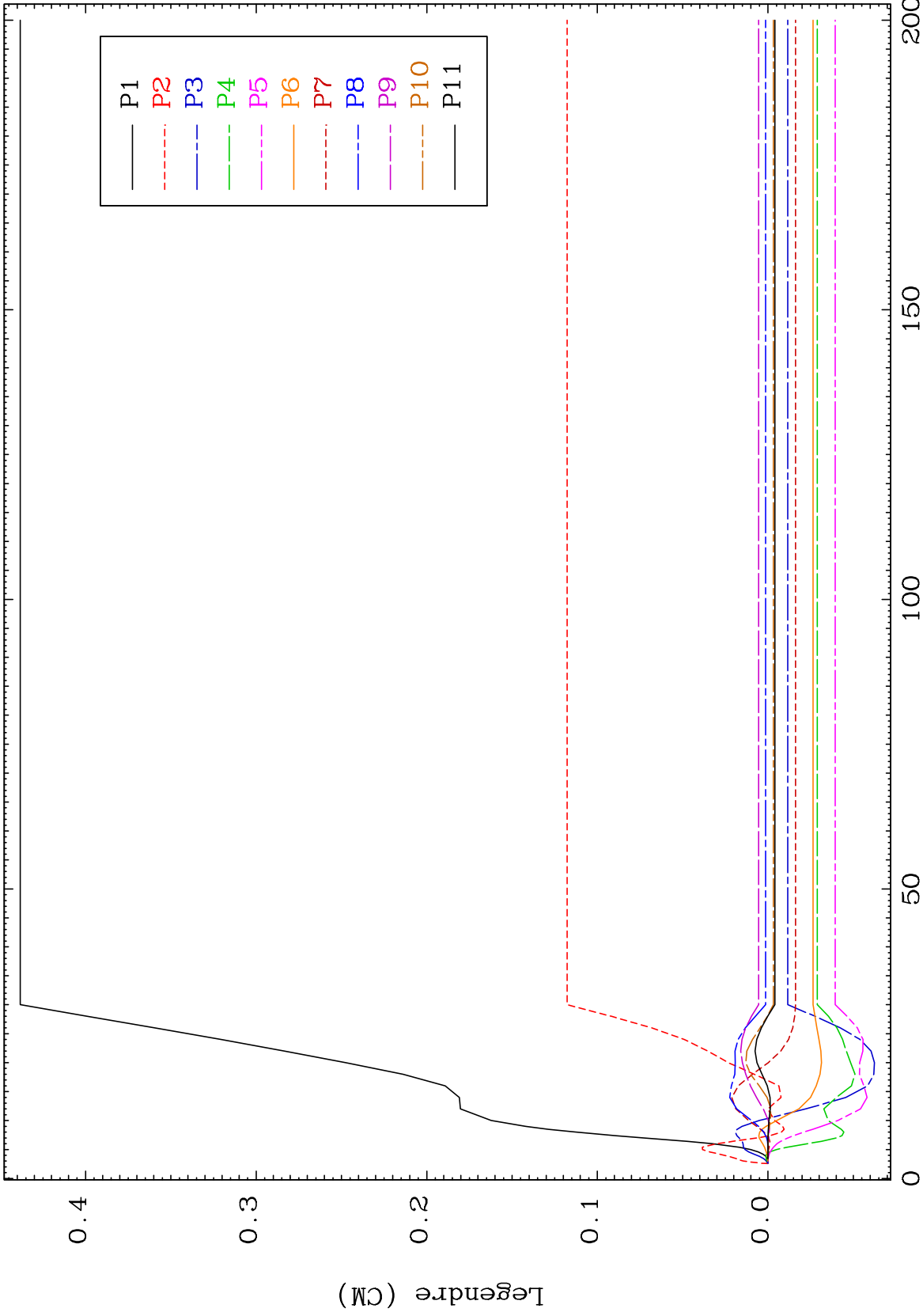
109

31-Ga-69

MAT 3125

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

31-Ga-69



110

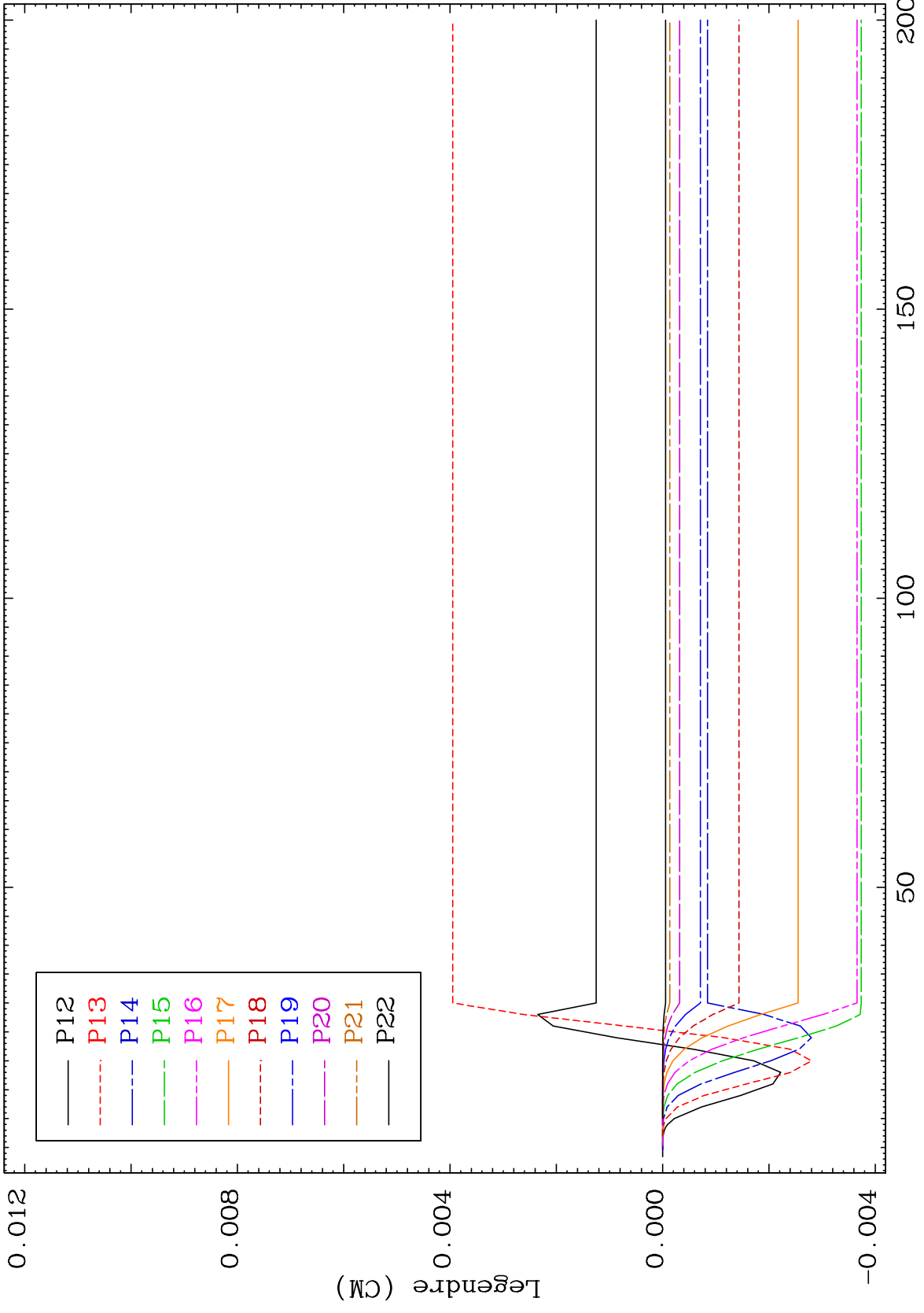
Incident Energy (MeV)

31-Ga-69

MAT 3125

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

31-Ga-69



111

Incident Energy (MeV)

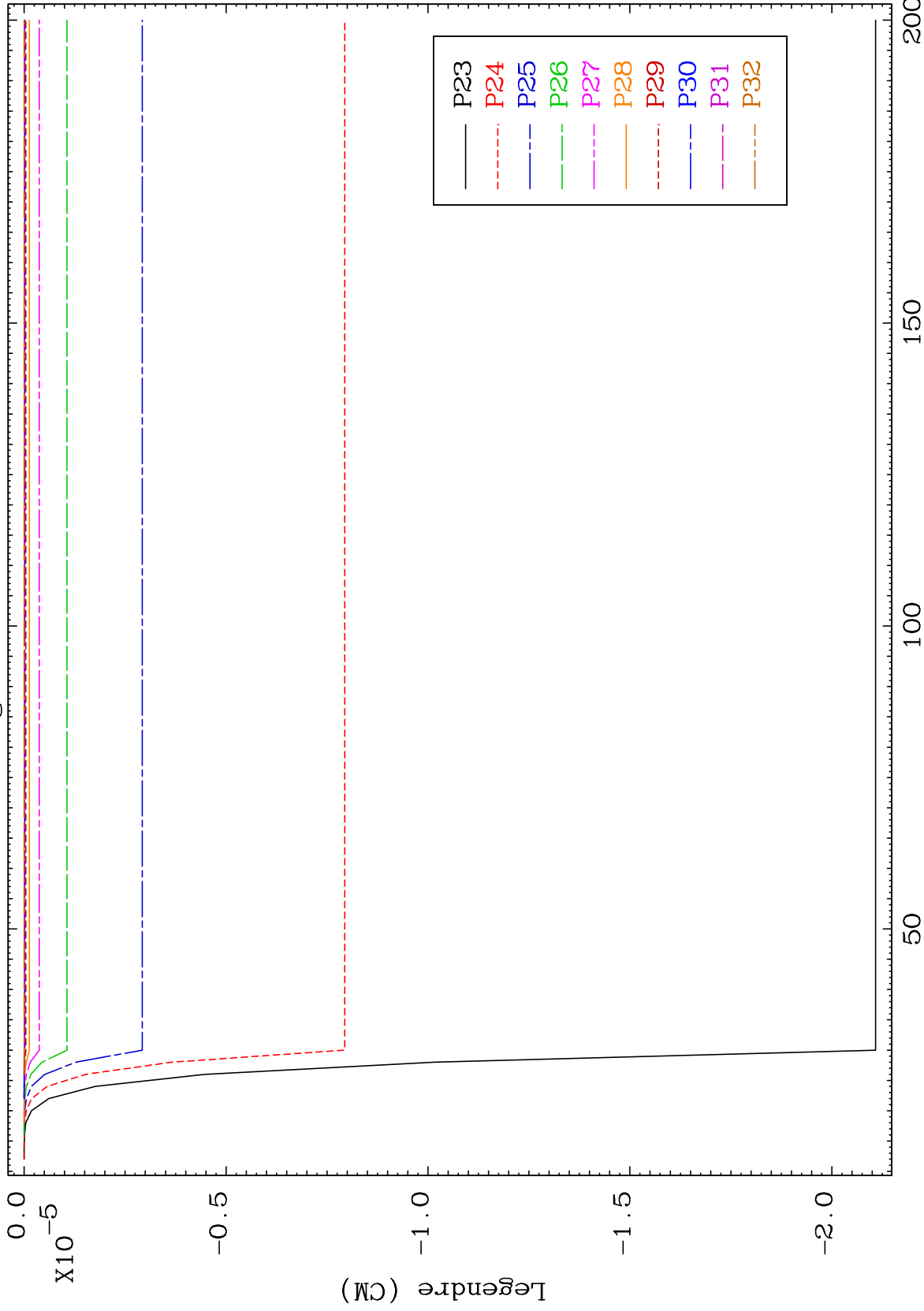
31-Ga-69



MAT 3125

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

31-Ga-69



31-Ga-69

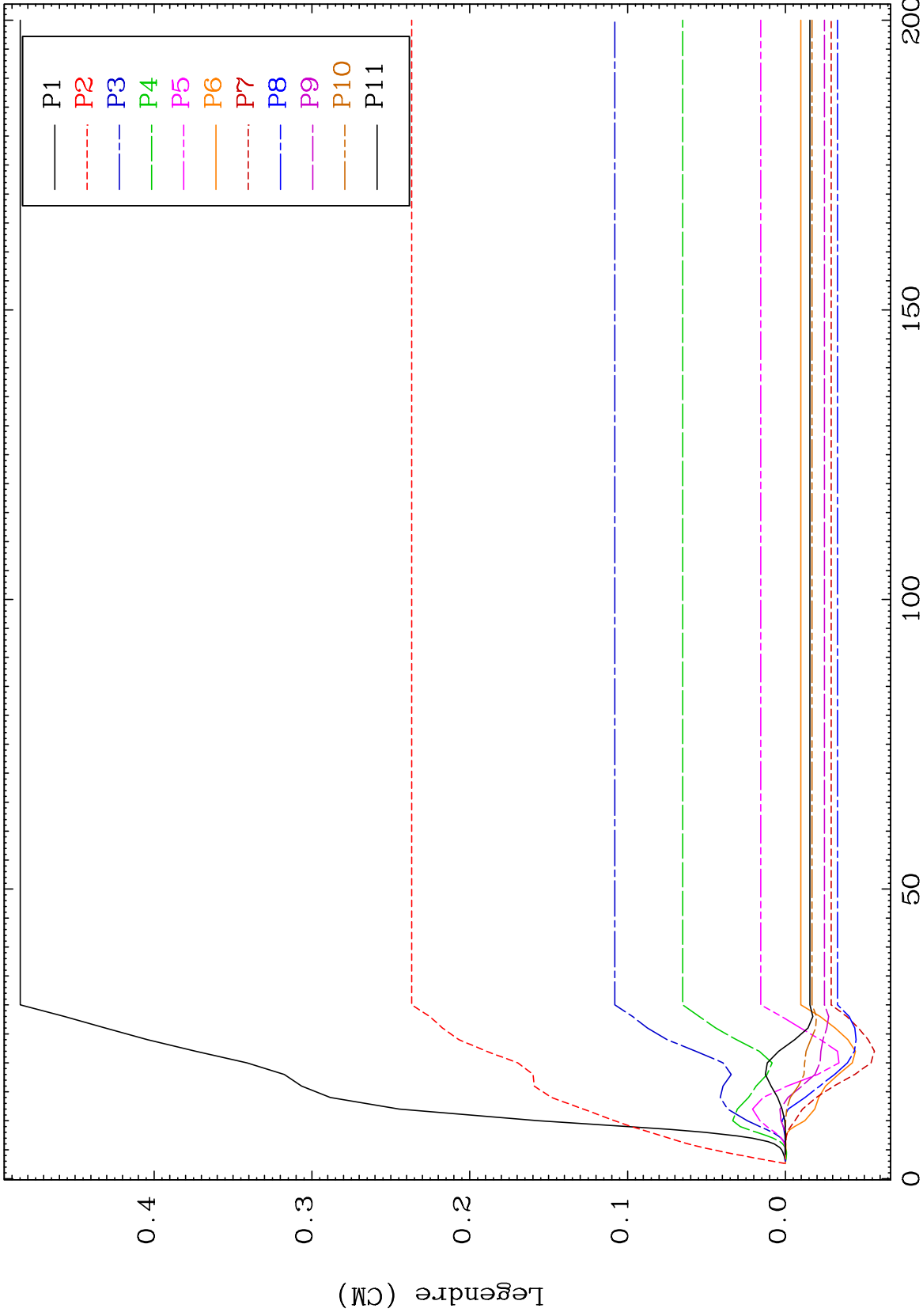
Incident Energy (MeV)

112

MAT 3125

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

31-Ga-69



113

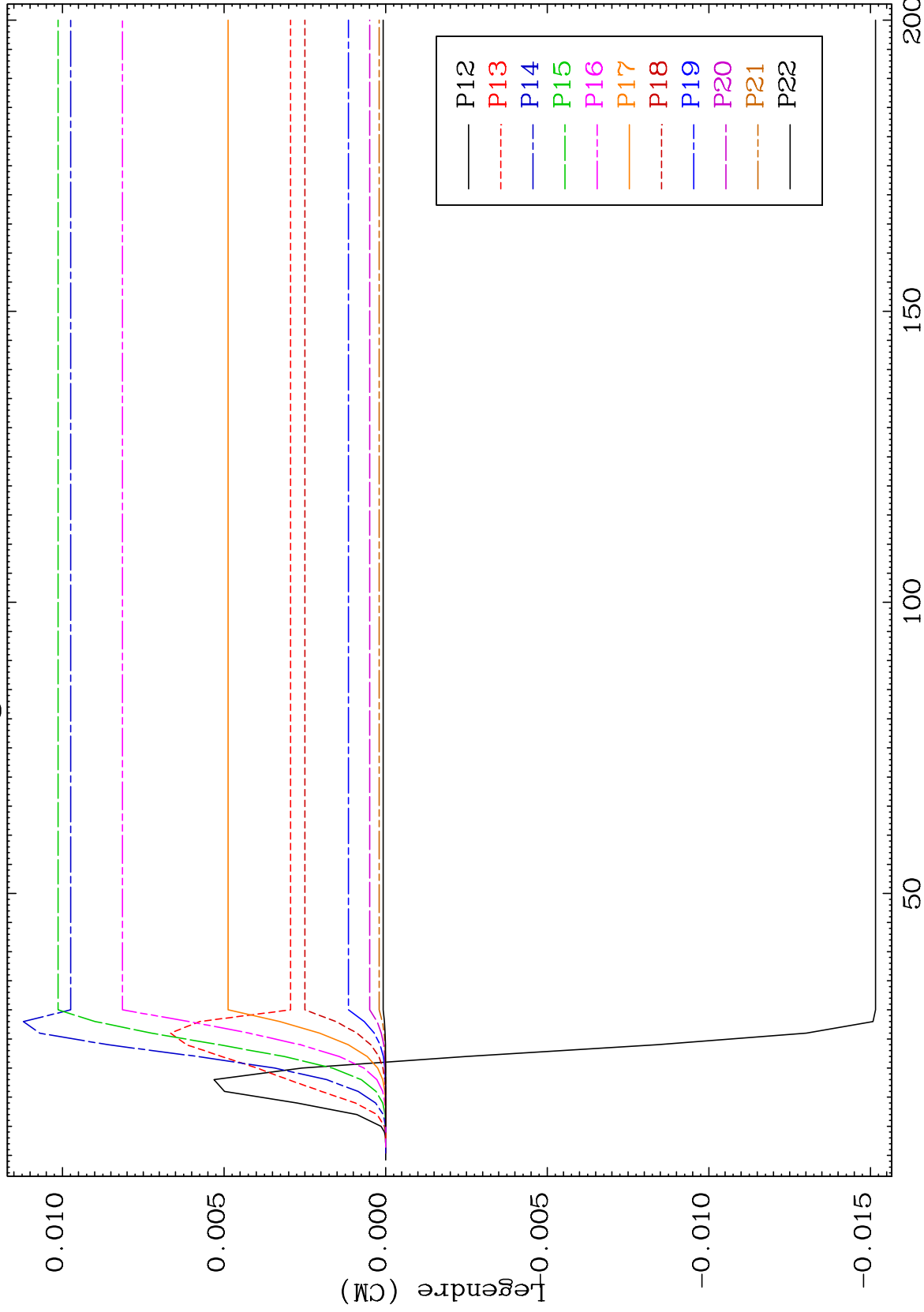
Incident Energy (MeV)

31-Ga-69

MAT 3125

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

31-Ga-69



114

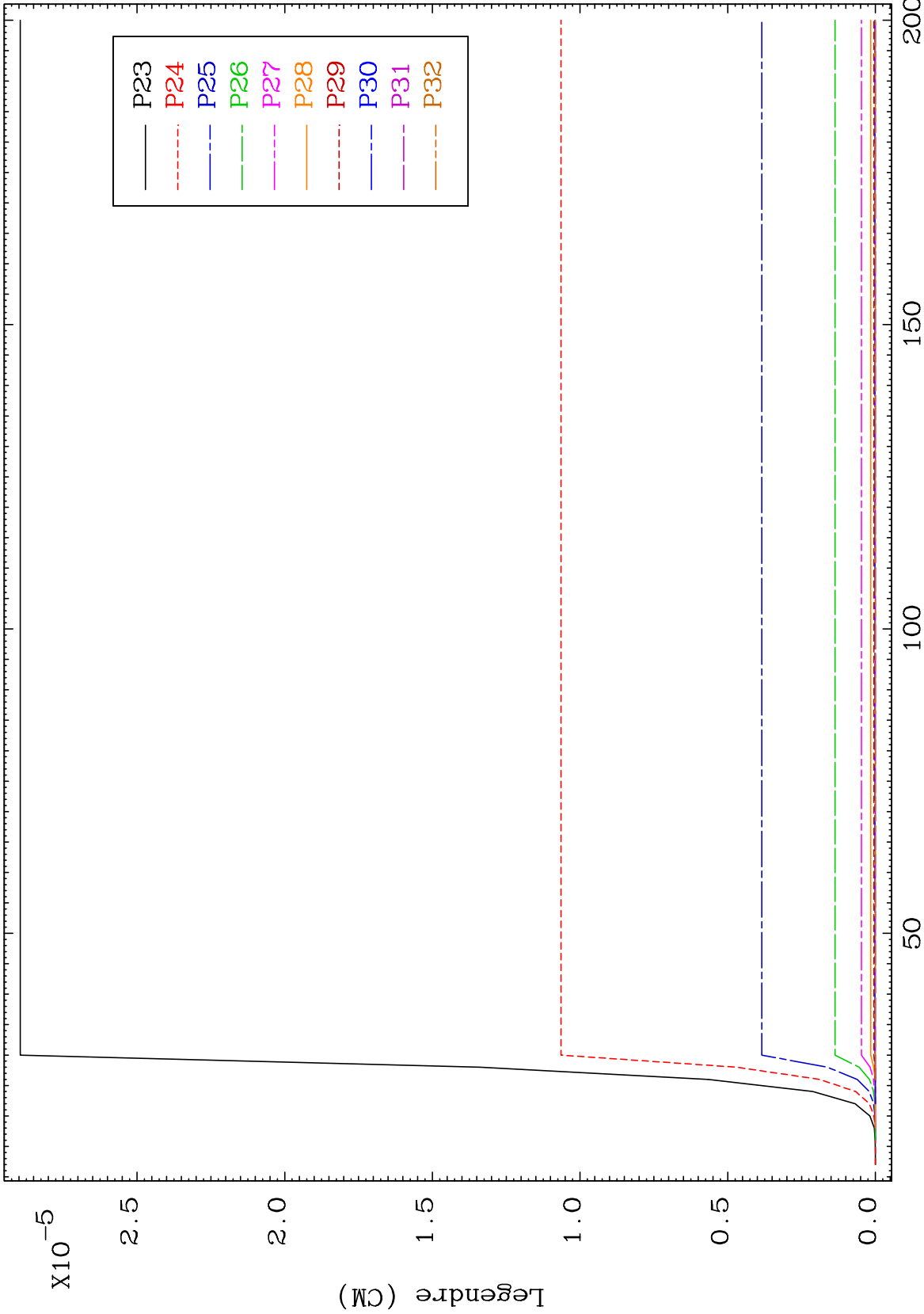
Incident Energy (MeV)

31-Ga-69

MAT 3125

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

31-Ga-69



115

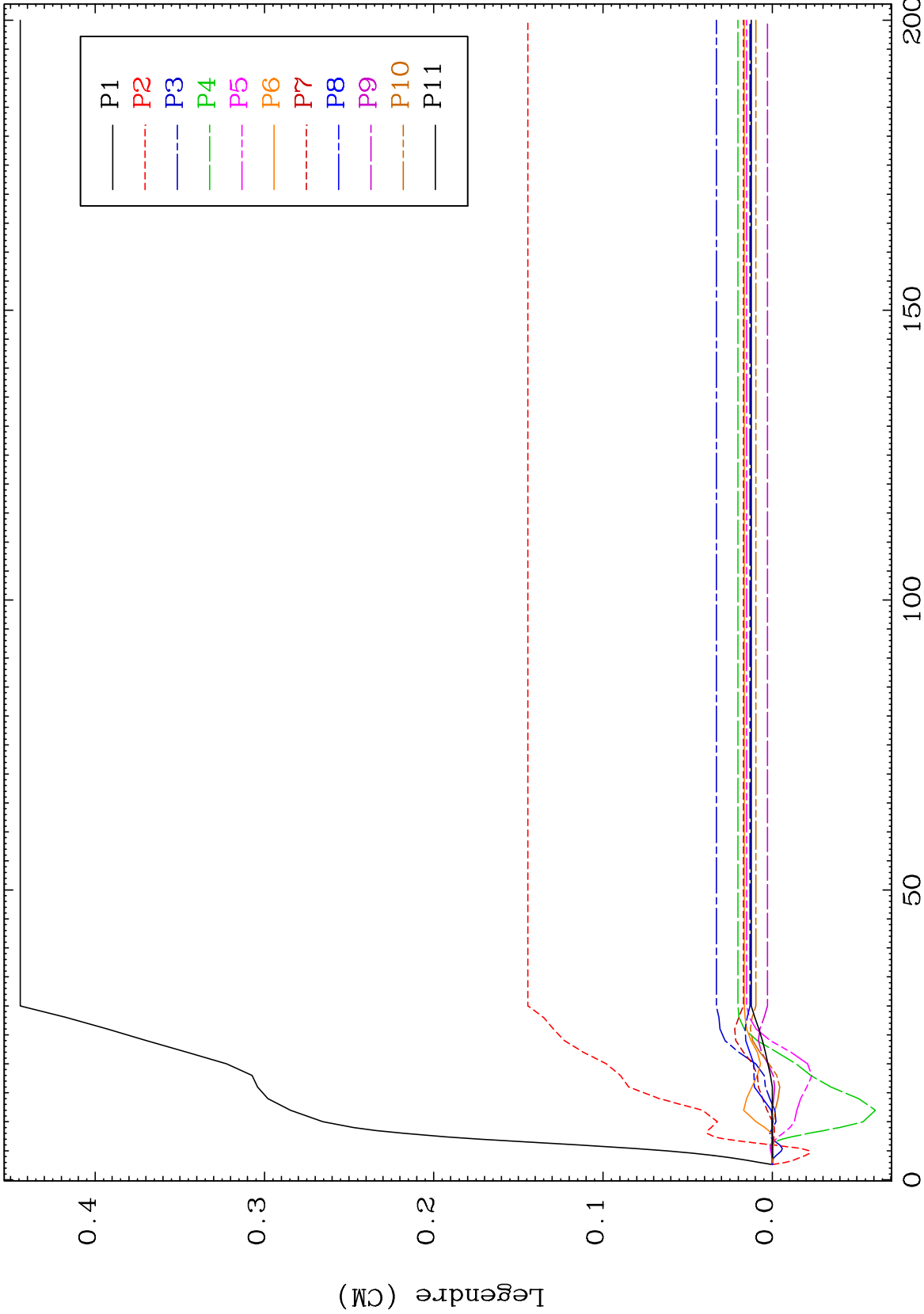
Incident Energy (MeV)

31-Ga-69

MAT 3125

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

31-Ga-69



116

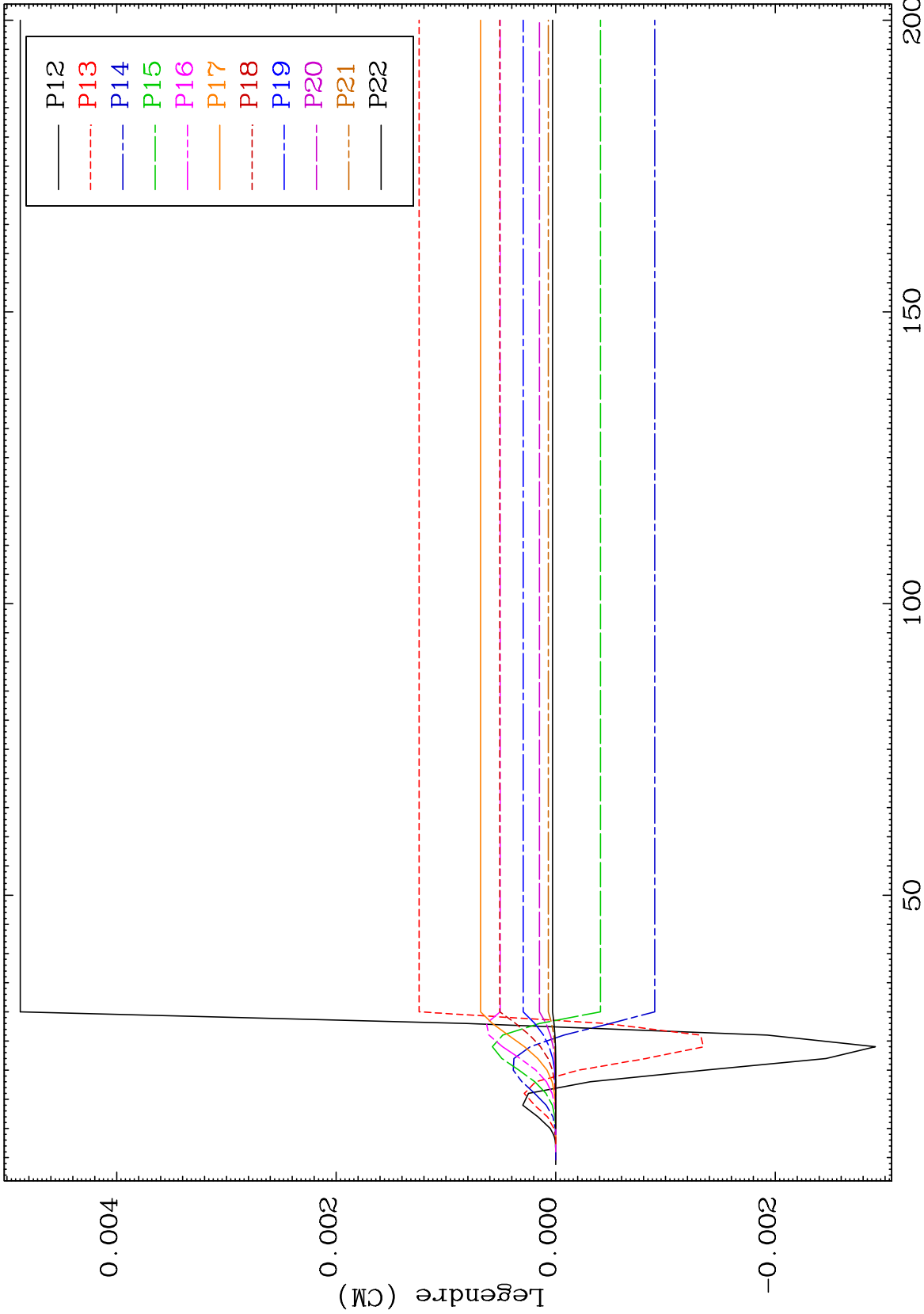
Incident Energy (MeV)

31-Ga-69

MAT 3125

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

31-Ga-69

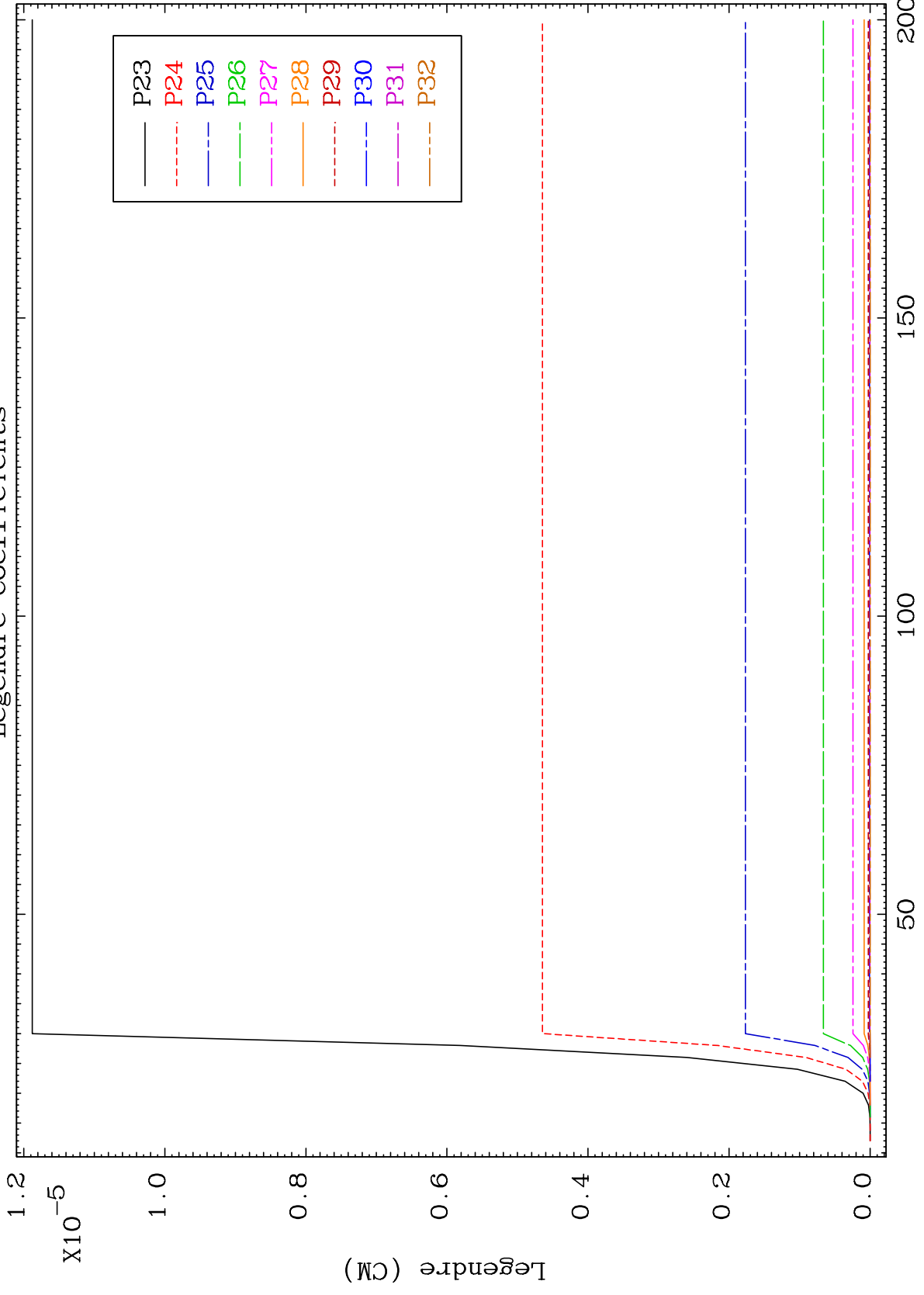


117

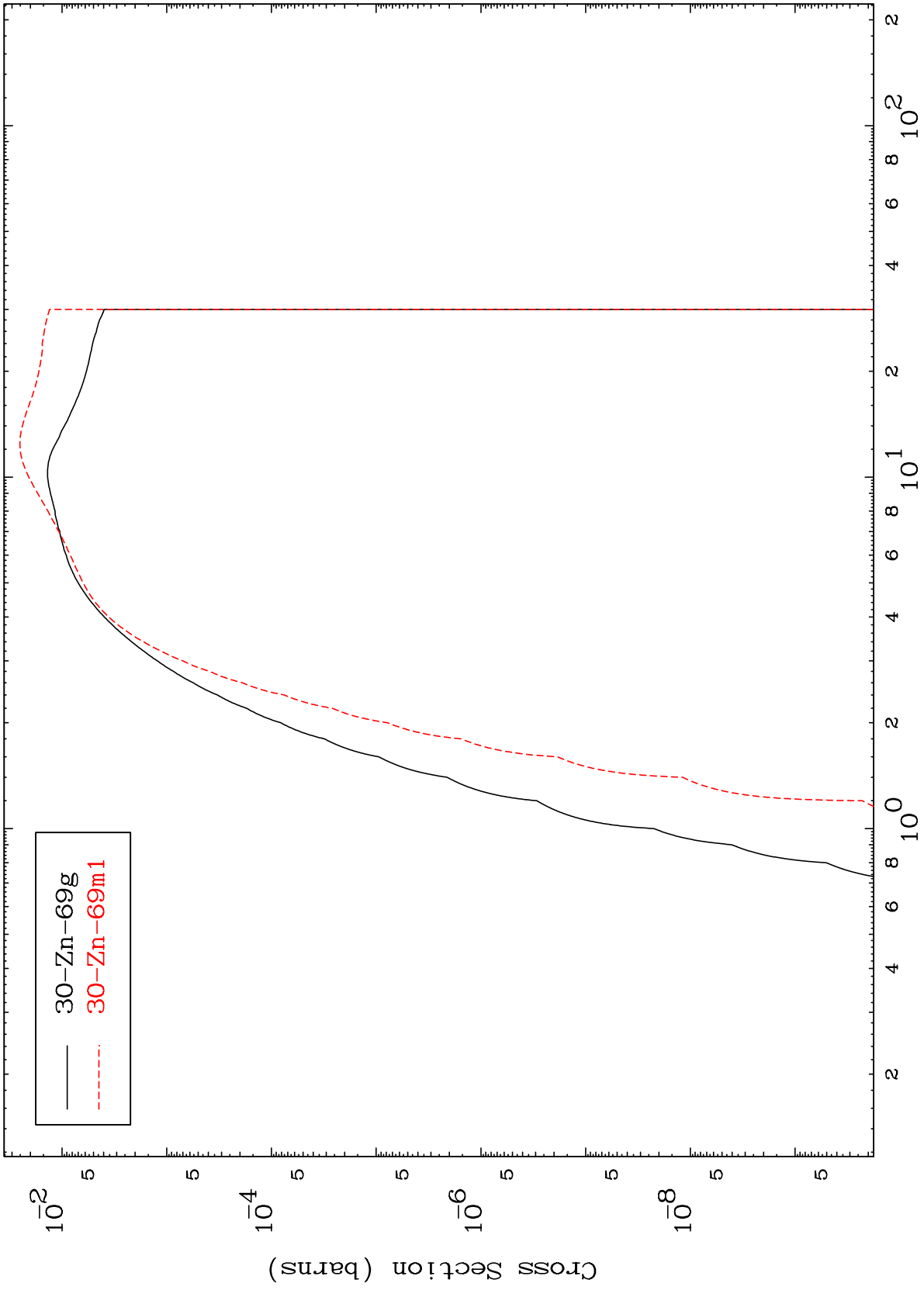
Incident Energy (MeV)

31-Ga-69

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



(n,p)  
Radionuclide Production Cross Section

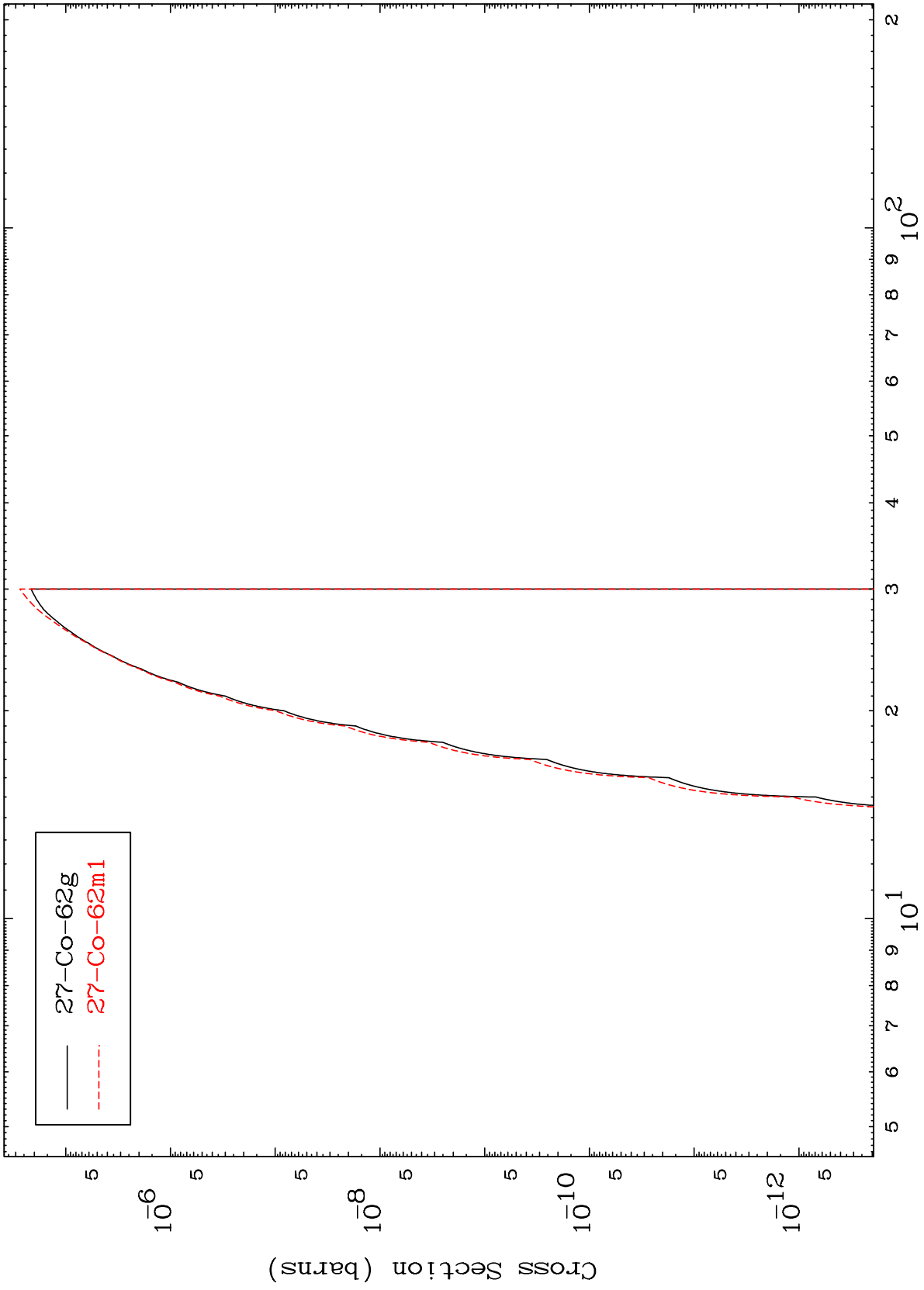




MAT 3125

31-Ga-69

(n,2α)  
Radionuclide Production Cross Section



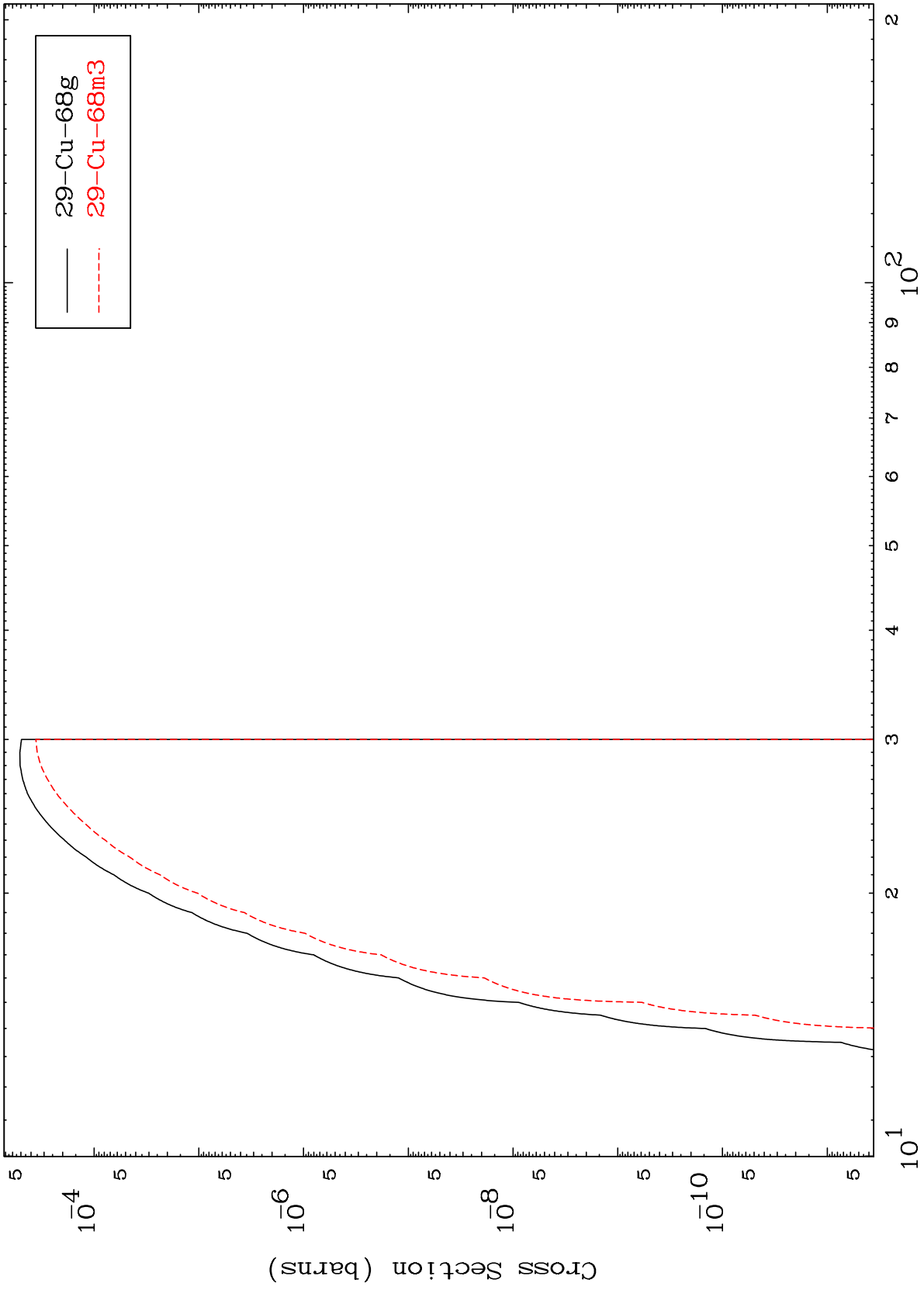
120

31-Ga-69

MAT 3125

31-Ga-69

(n,2p)  
Radionuclide Production Cross Section



121

Incident Energy (MeV)

31-Ga-69