

Program EVALPLOT  
(Version 2021-1)

by

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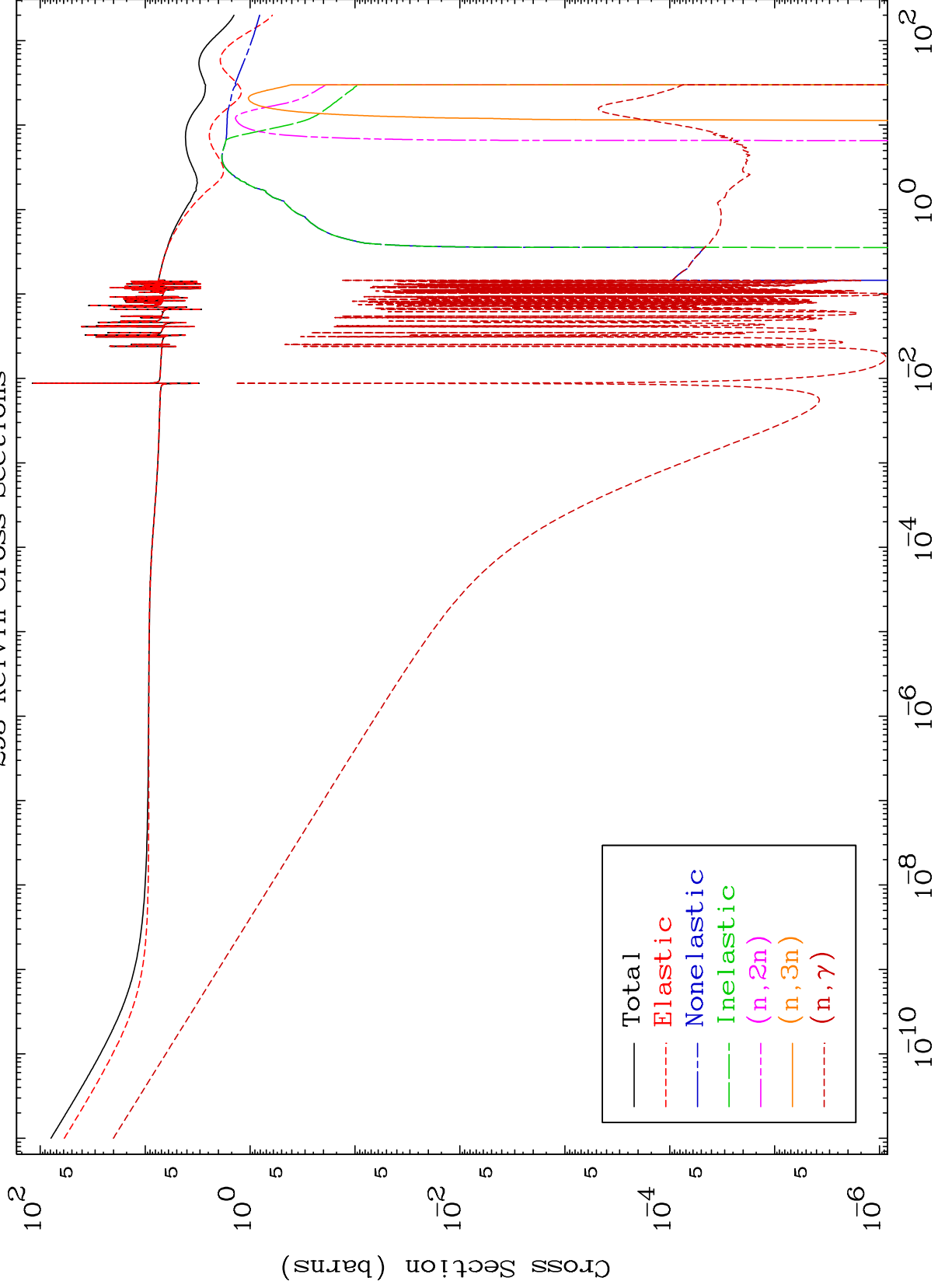
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3161

Neutron Major  
293 Kelvin Cross Sections

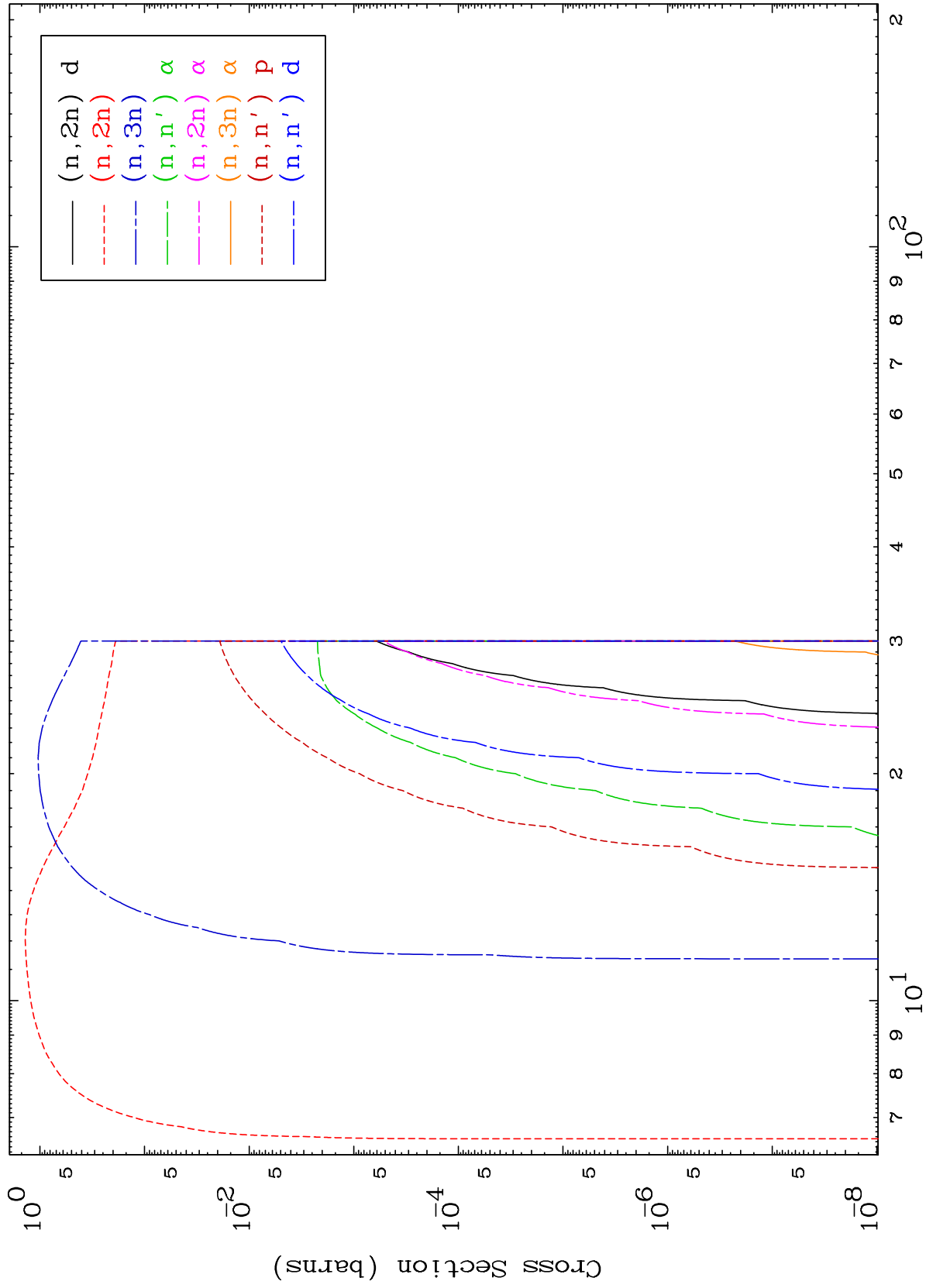
31-Ga-81



MAT 3161

### Neutron Absorption 293 Kelvin Cross Sections

31-Ga-81



2

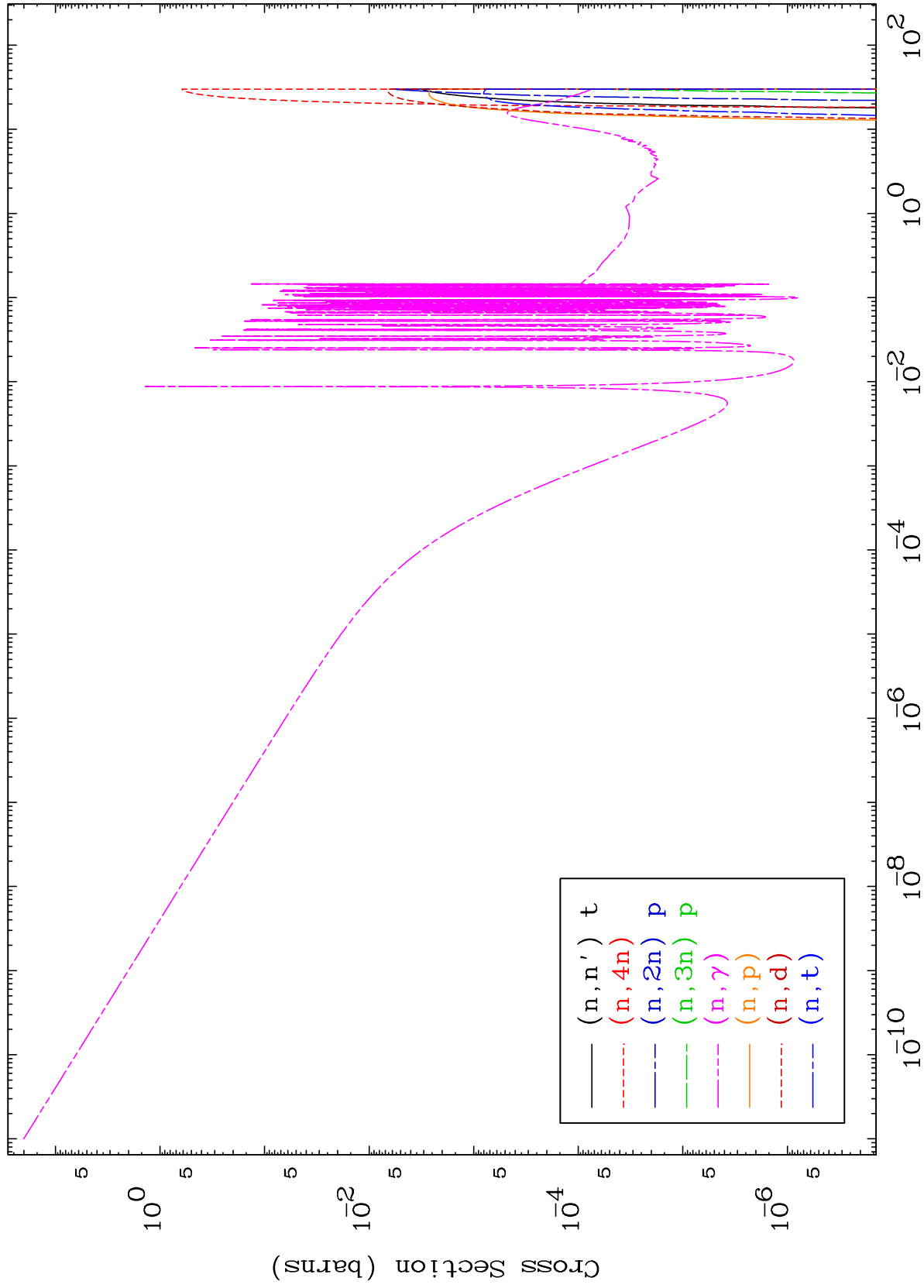
Incident Energy (MeV)

31-Ga-81

MAT 3161

Neutron Absorption  
293 Kelvin Cross Sections

31-Ga-81



3

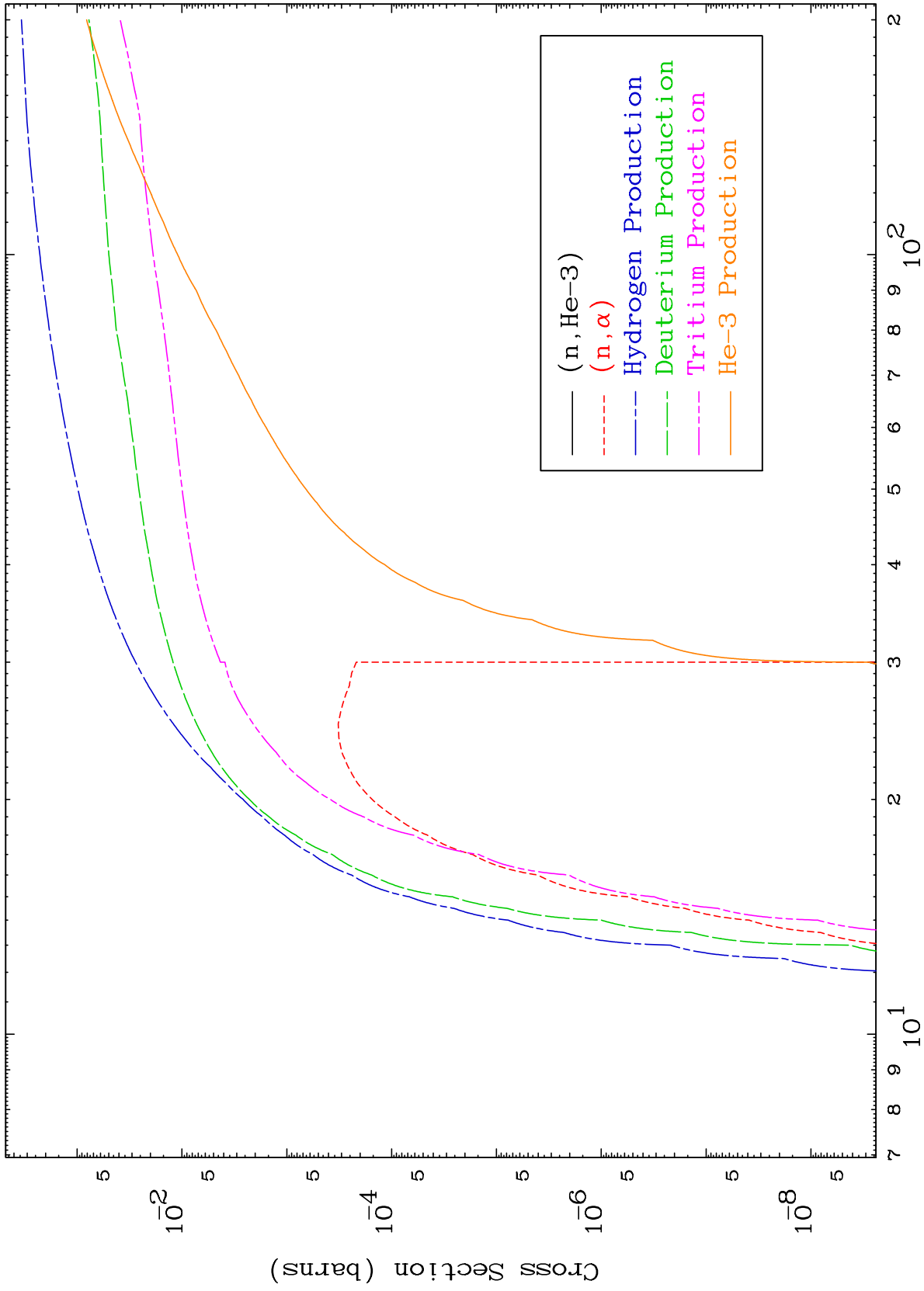
Incident Energy (MeV)

31-Ga-81

MAT 3161

Neutron Absorption  
293 Kelvin Cross Sections

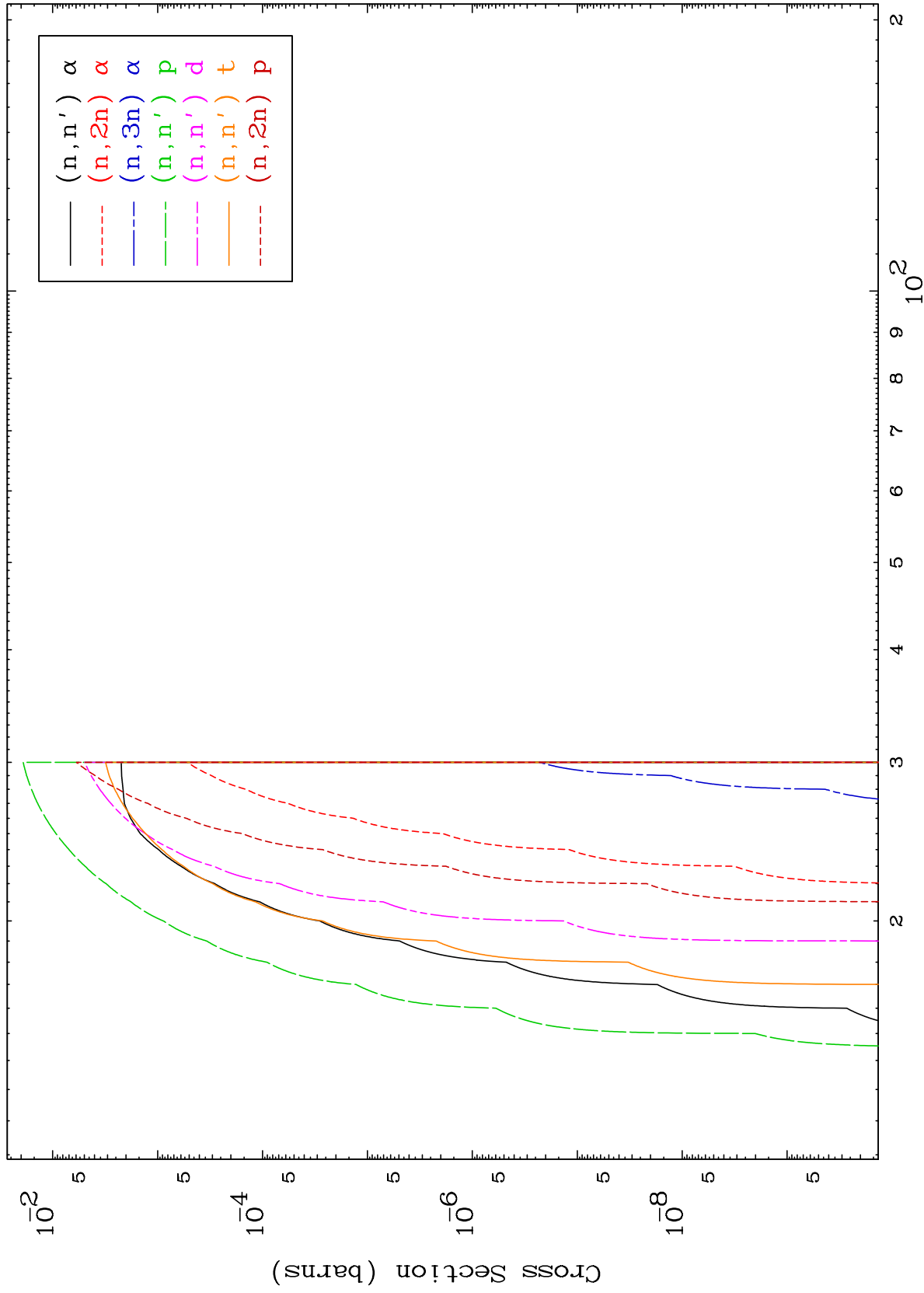
31-Ga-81



4

Incident Energy (MeV)

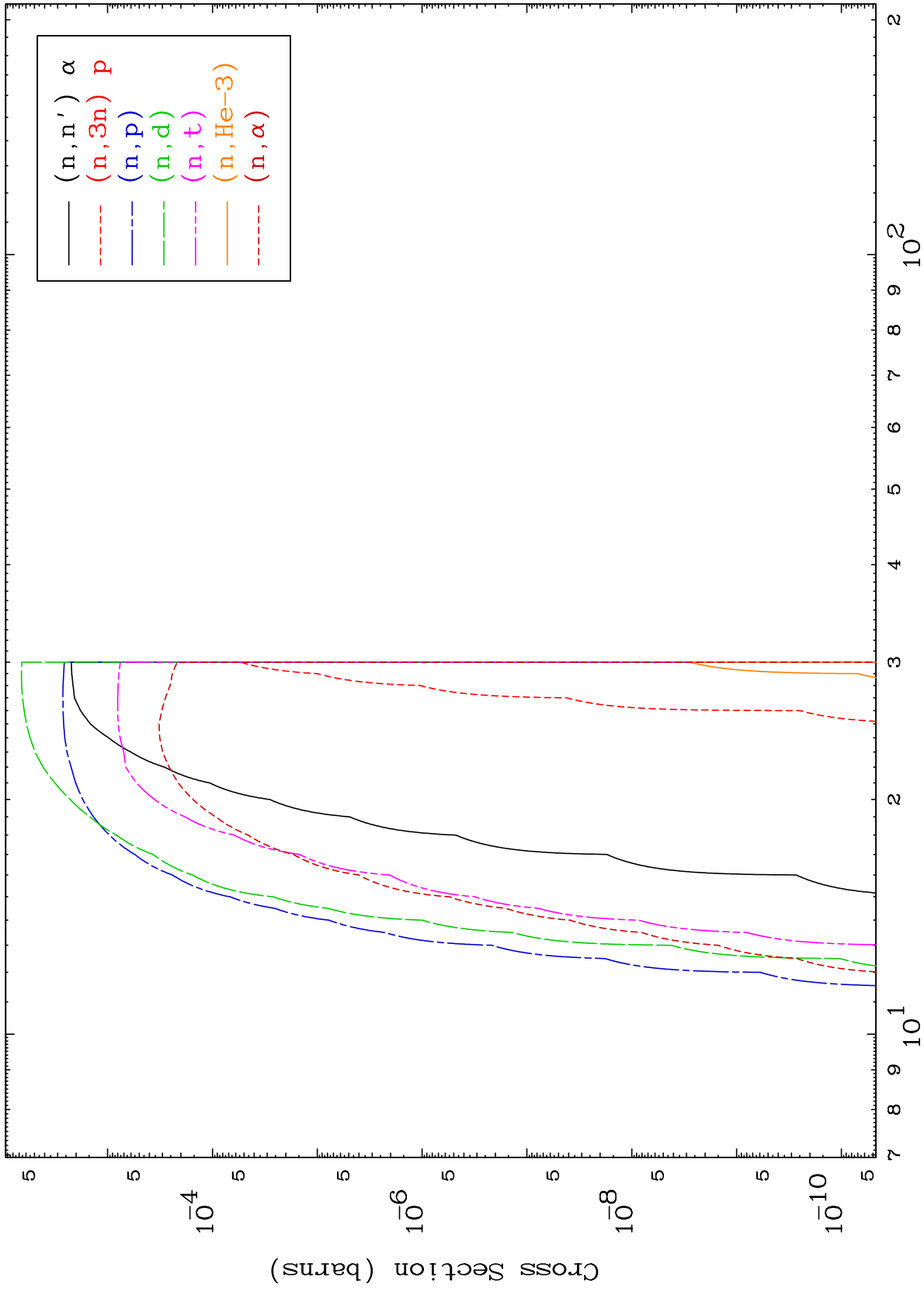
31-Ga-81



MAT 3161

Charged Particle  
293 Kelvin Cross Sections

31-Ga-81



6

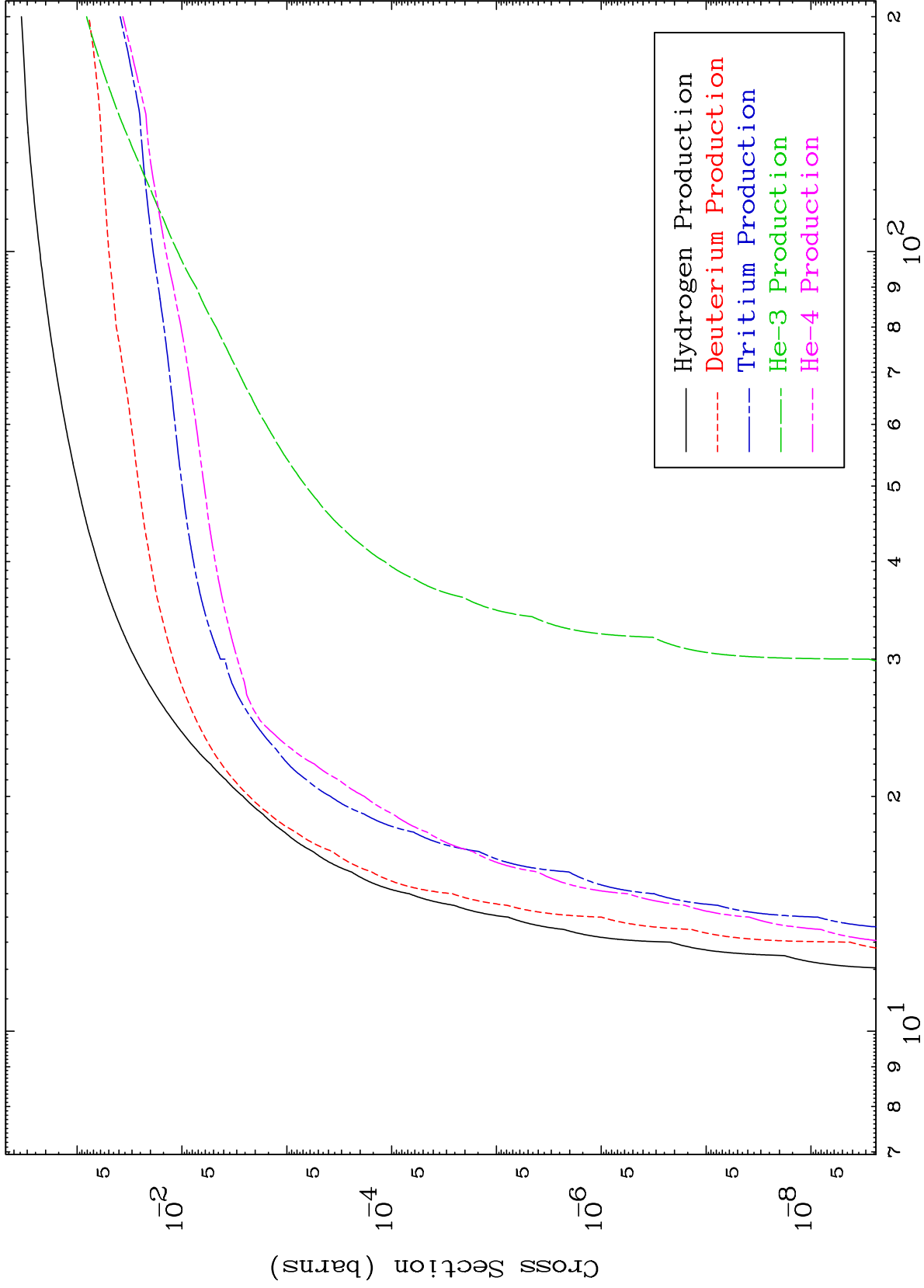
Incident Energy (MeV)

31-Ga-81

MAT 3161

Particle Production  
293 Kelvin Cross Sections

31-Ga-81



7

Incident Energy (MeV)

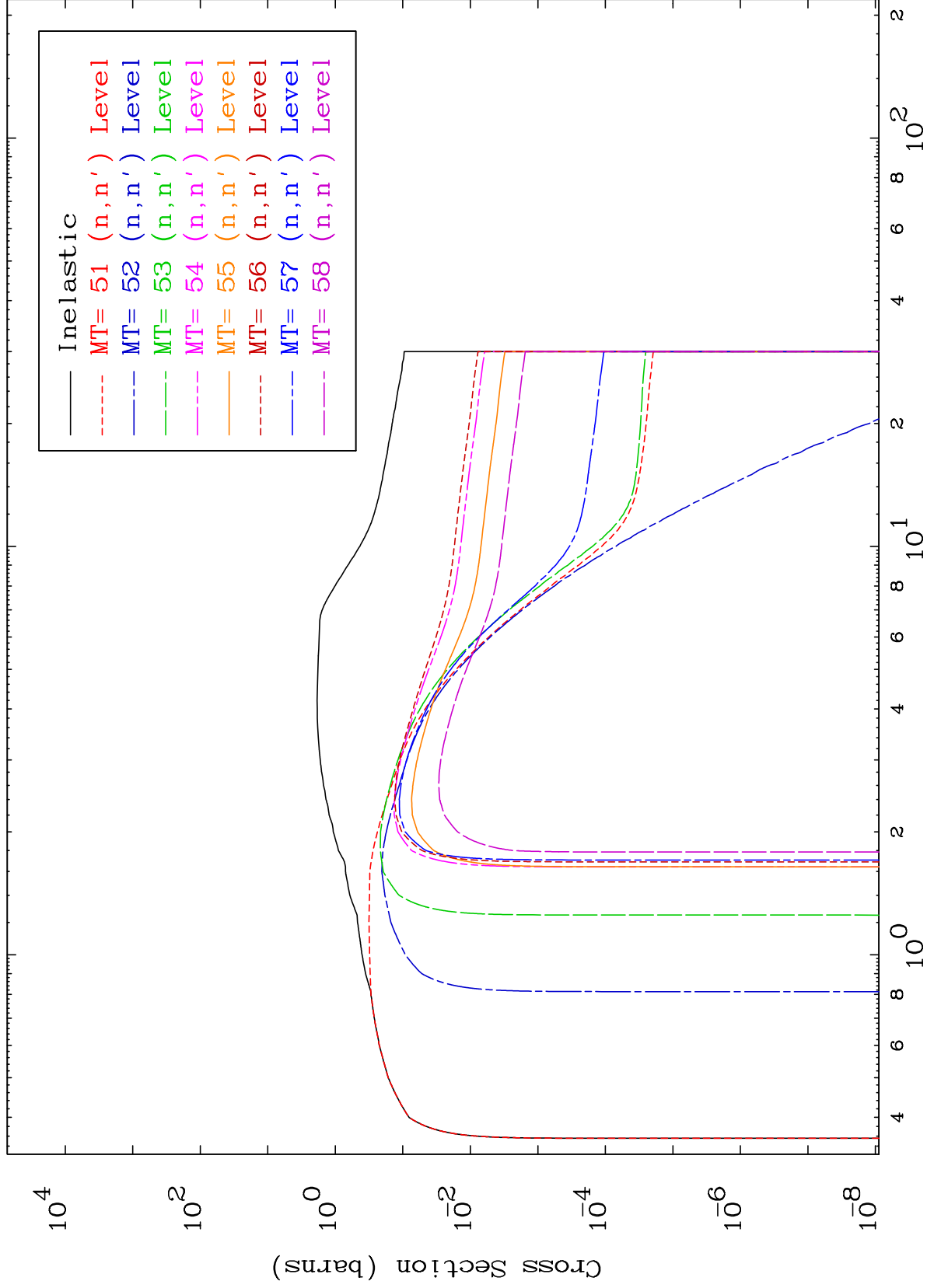
31-Ga-81

MAT 3161

(n,n') Levels

31-Ga-81

293 Kelvin Cross Sections



8

Incident Energy (MeV)

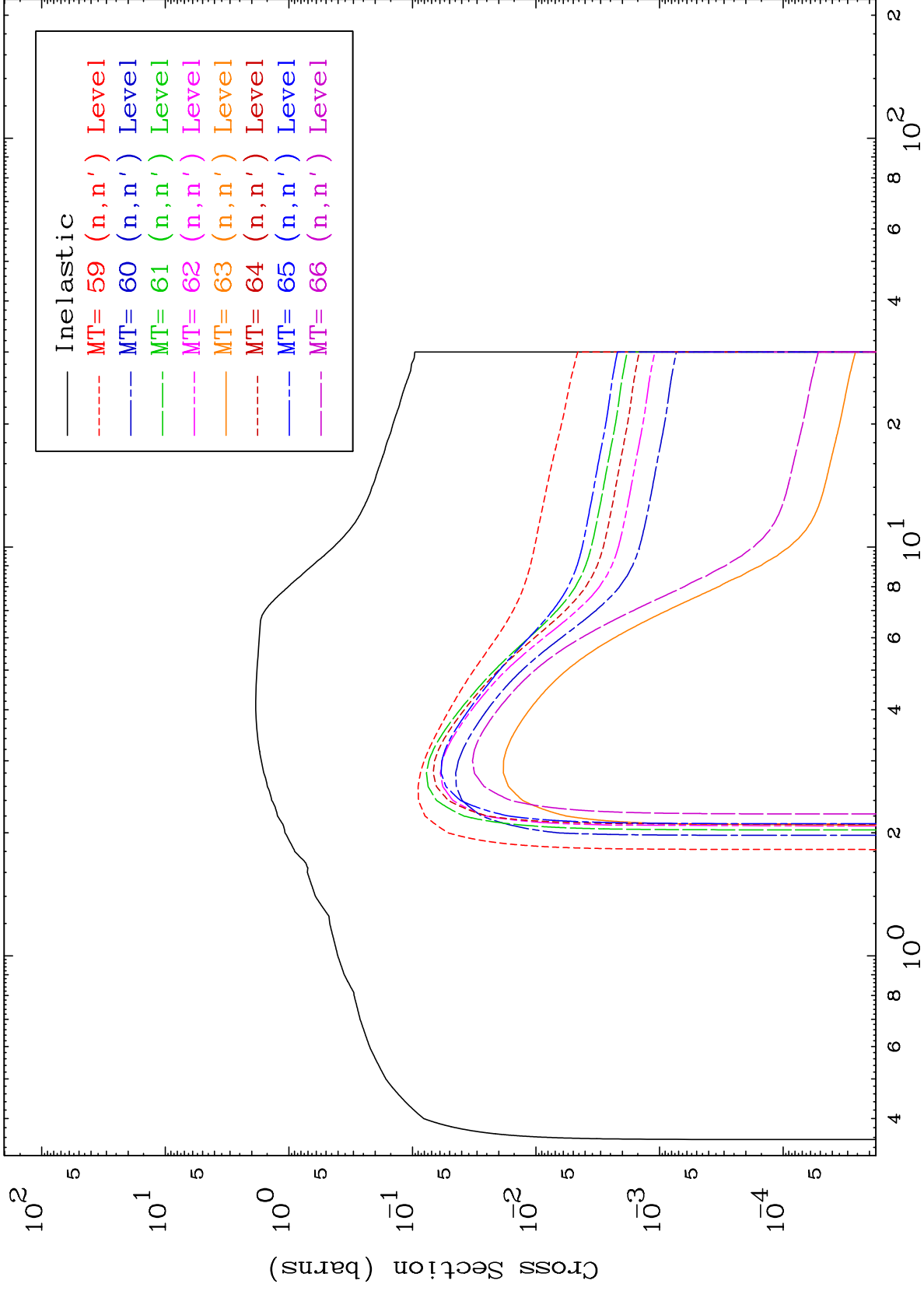
31-Ga-81

MAT 3161

(n,n') Levels

31-Ga-81

293 Kelvin Cross Sections



9

Incident Energy (MeV)

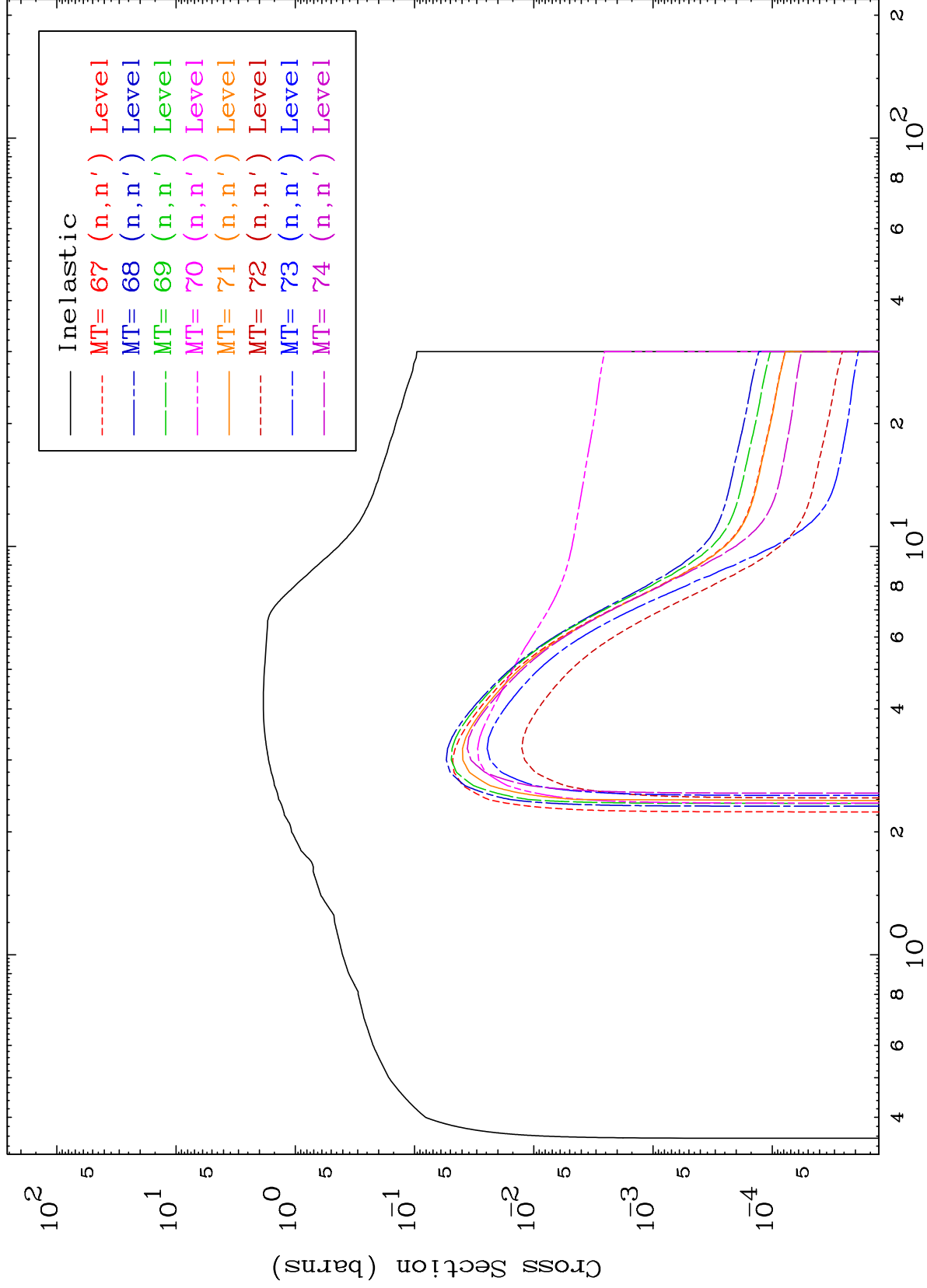
31-Ga-81

MAT 3161

(n,n') Levels

31-Ga-81

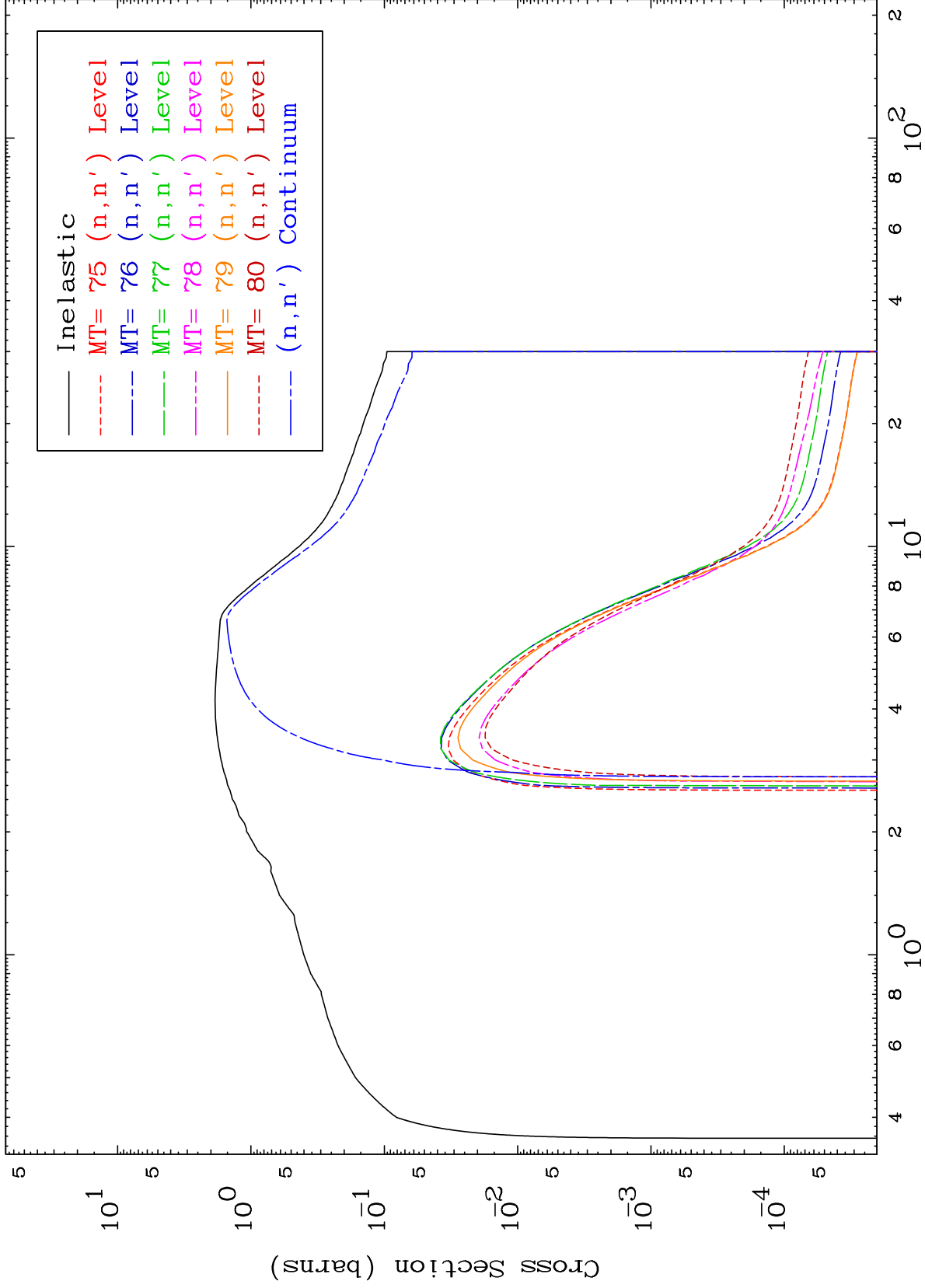
293 Kelvin Cross Sections

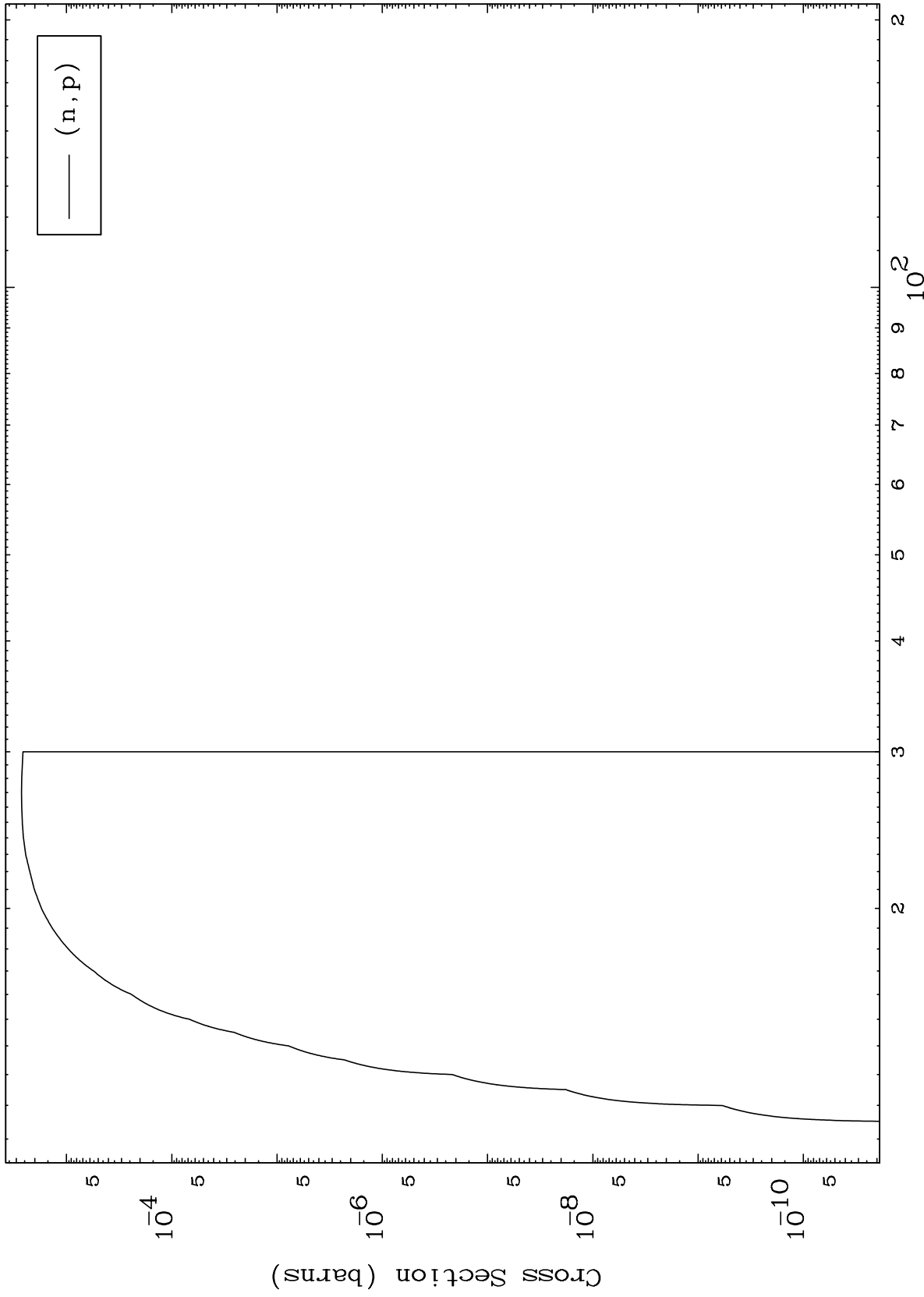


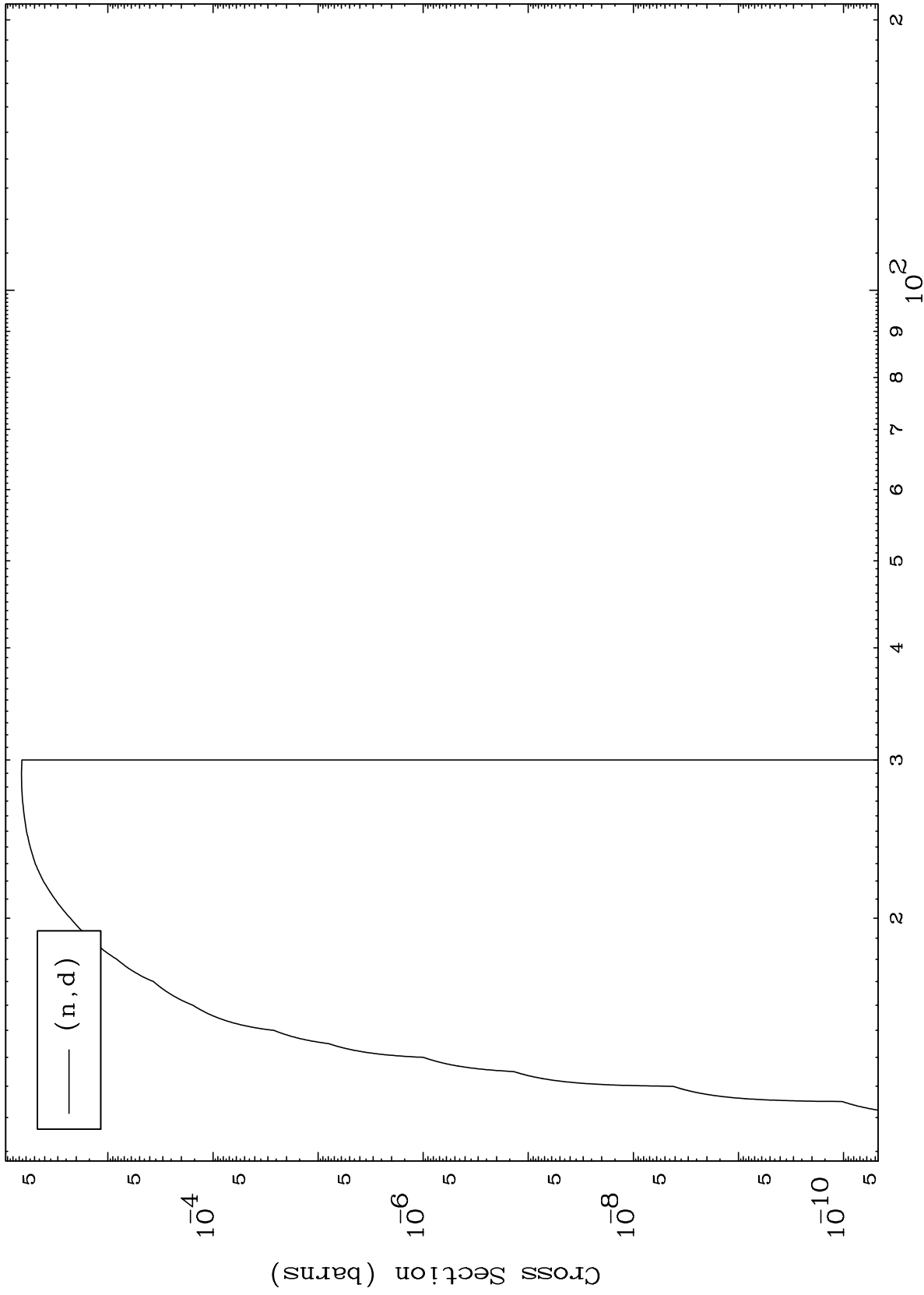
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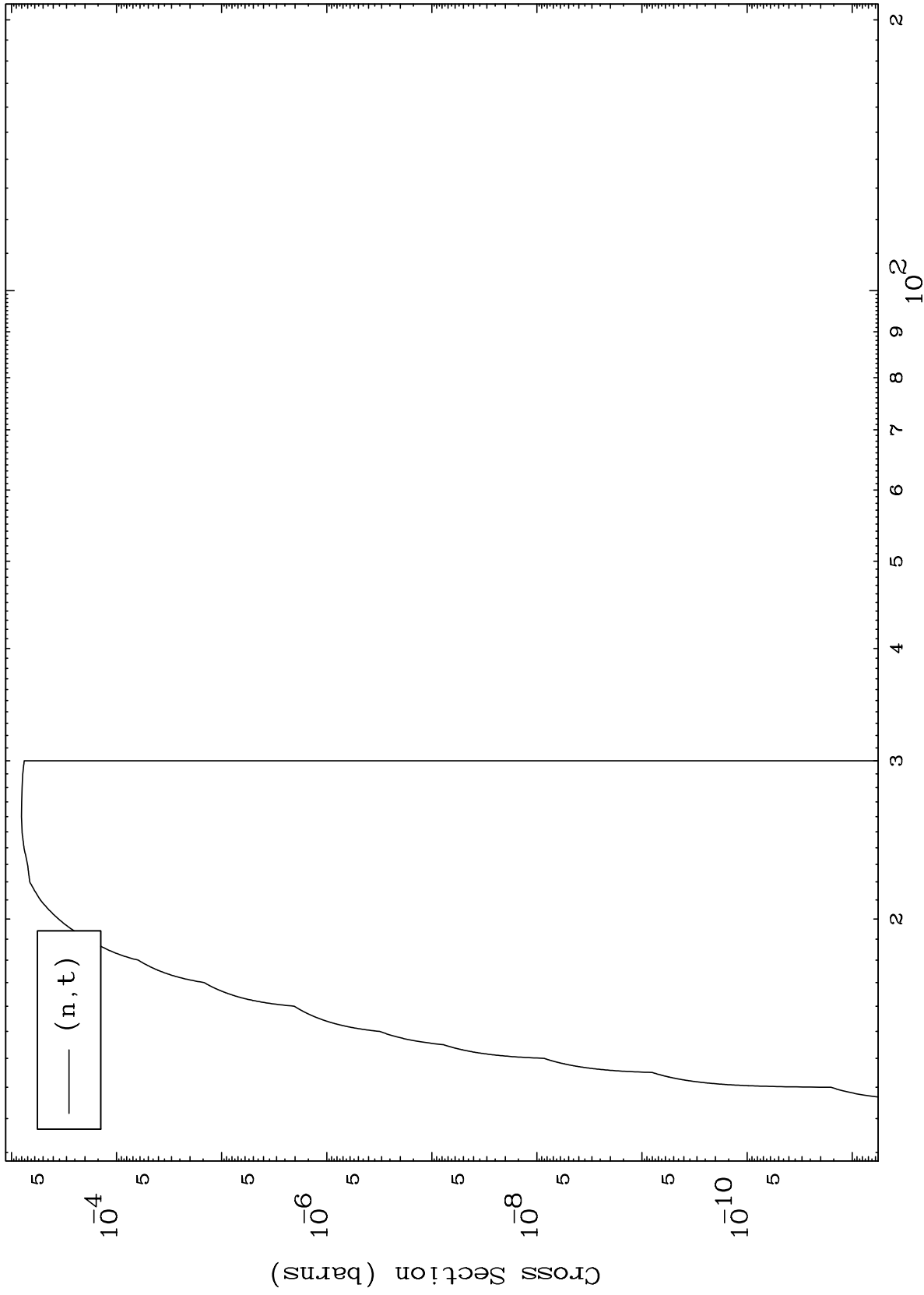
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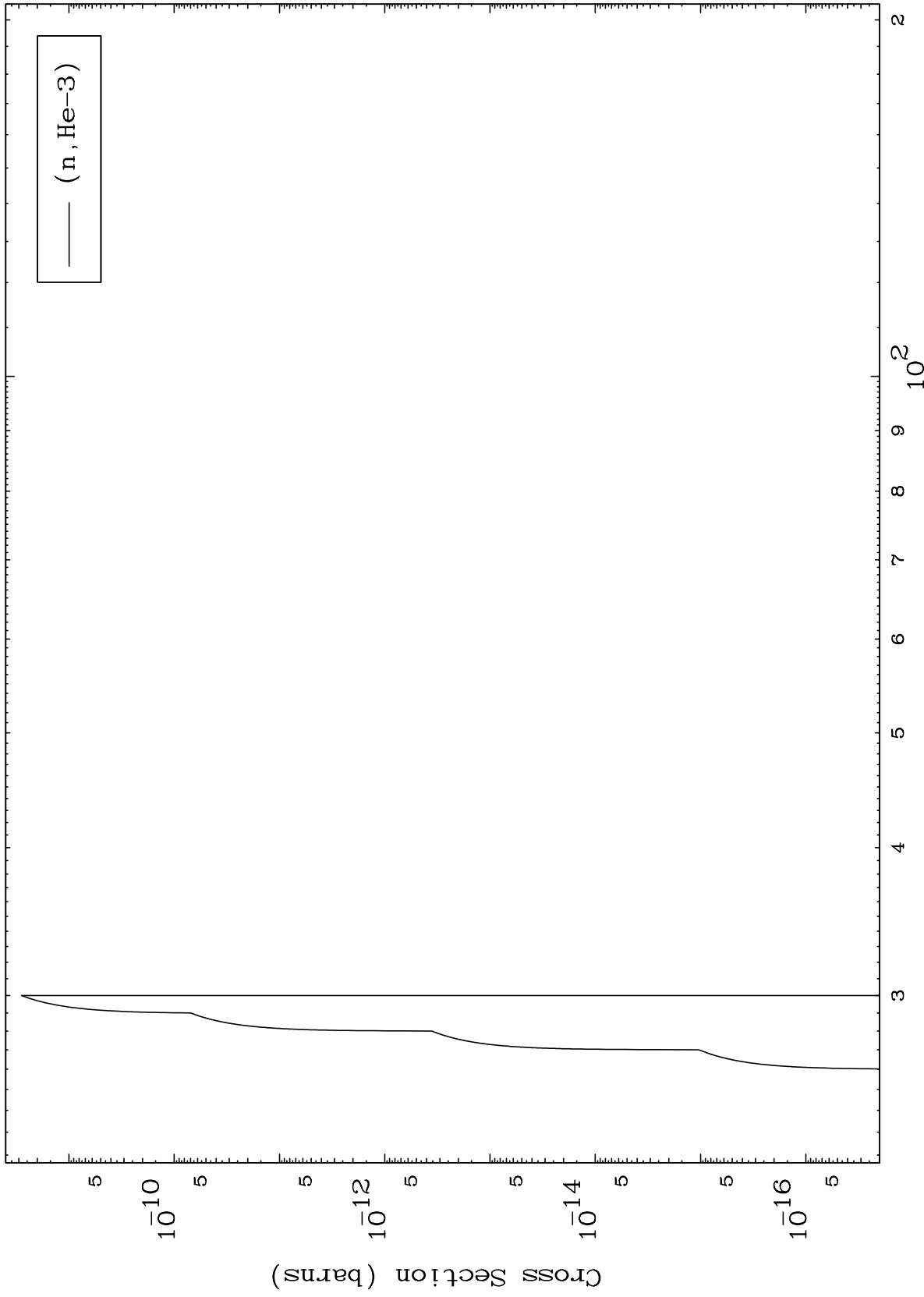
31-Ga-81







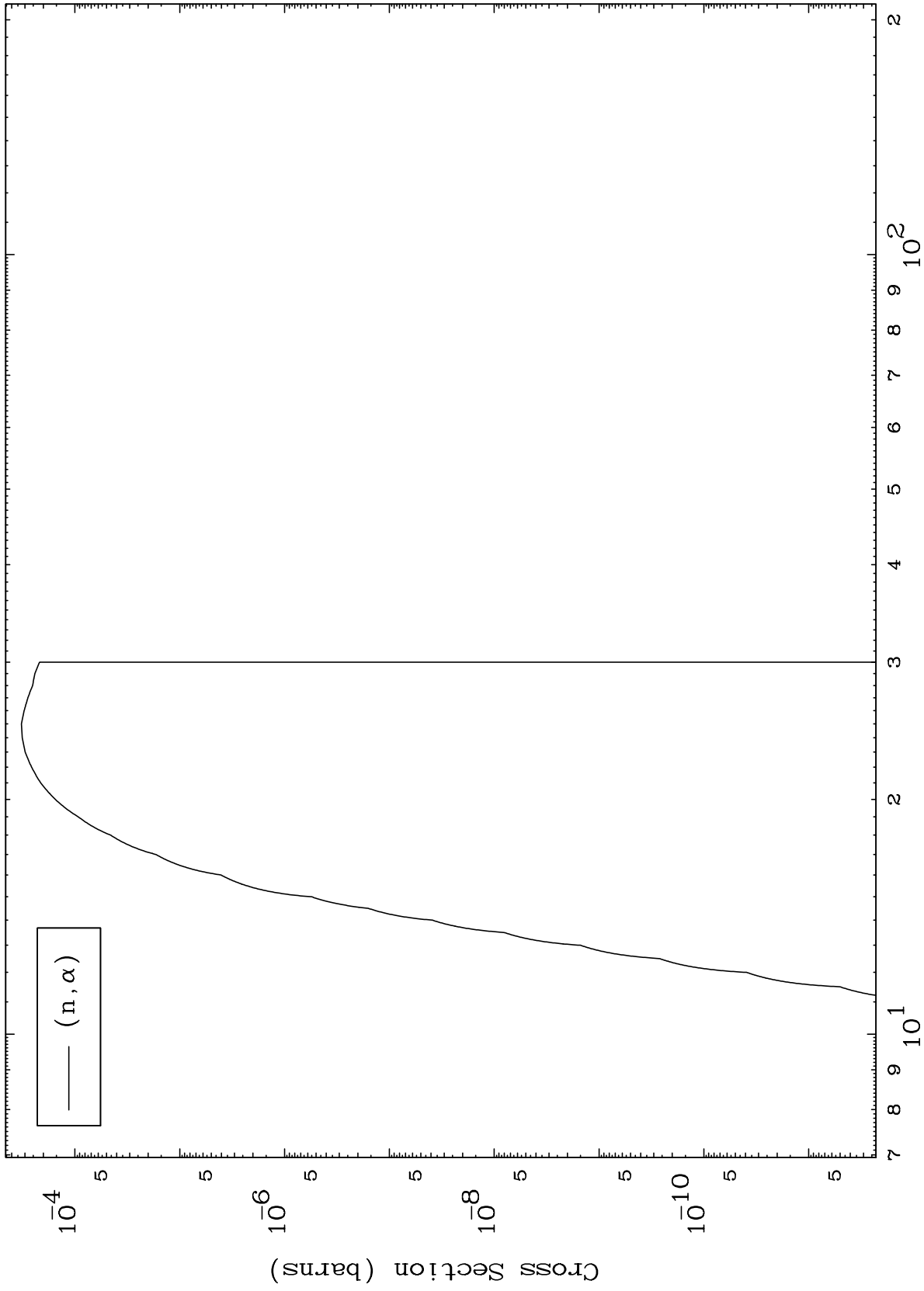




MAT 3161

31-Ga-81

(n,α) Levels  
293 Kelvin Cross Sections



16

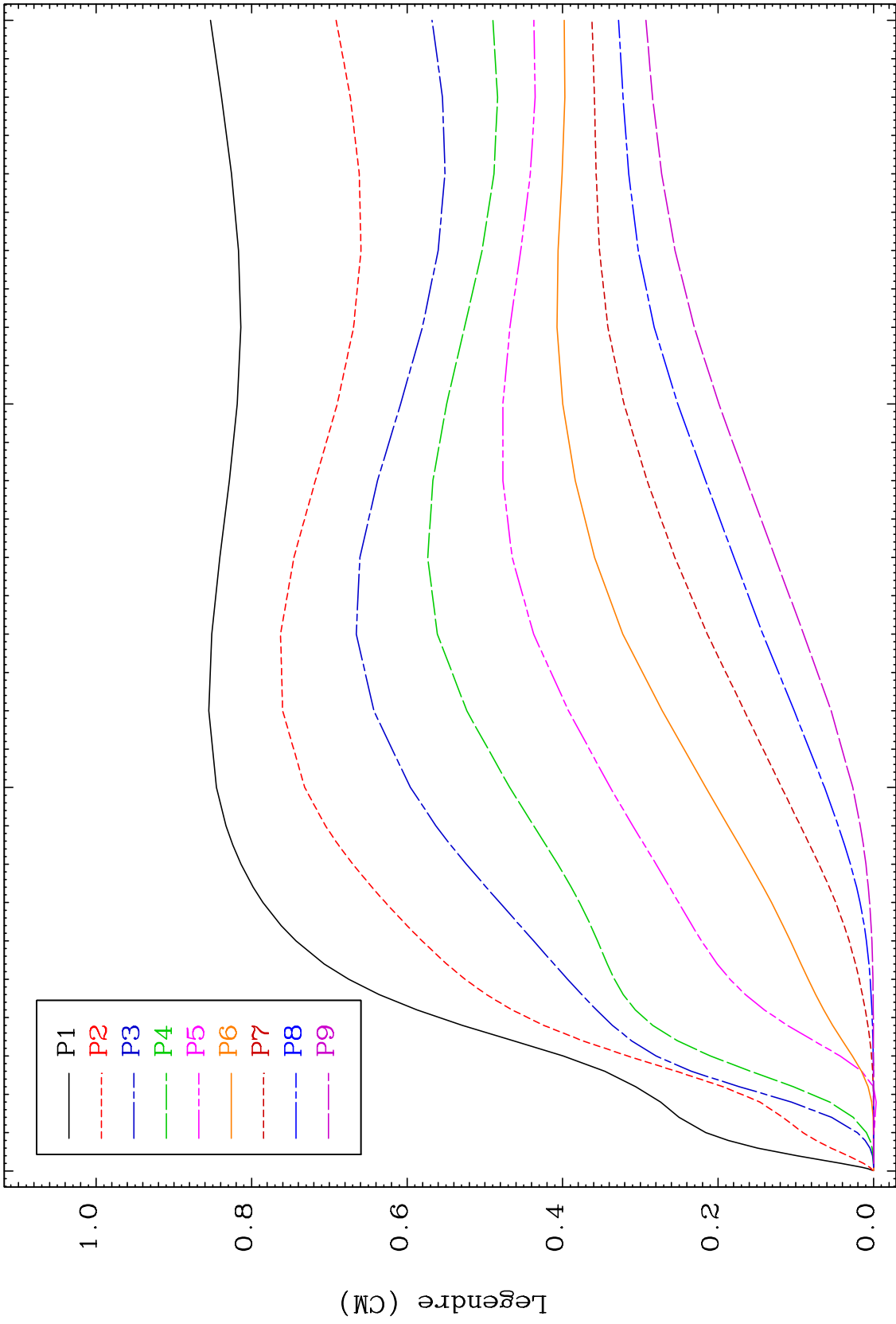
Incident Energy (MeV)

31-Ga-81

MAT 3161

Elastic Legendre Coefficients

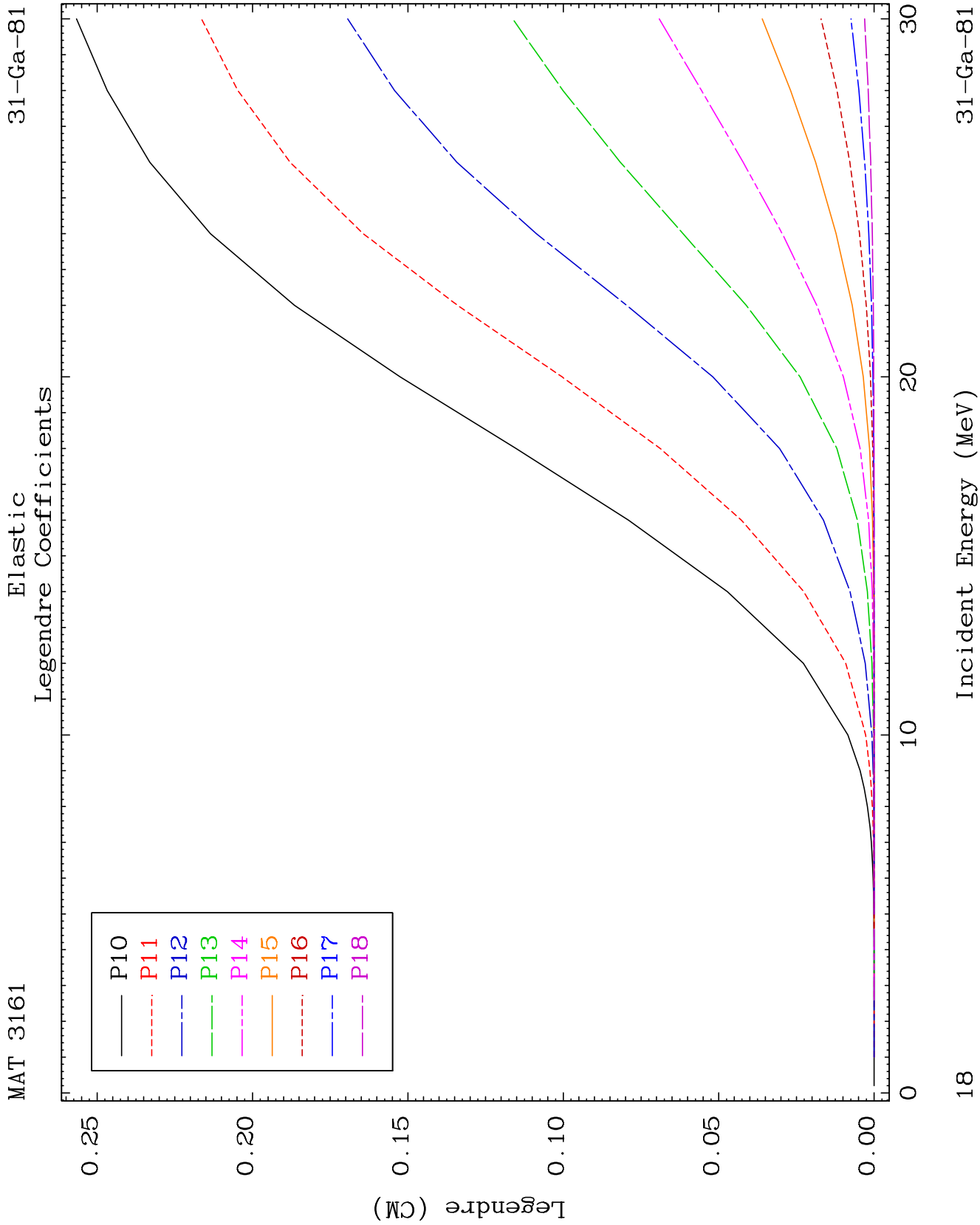
31-Ga-81



17

Incident Energy (MeV)

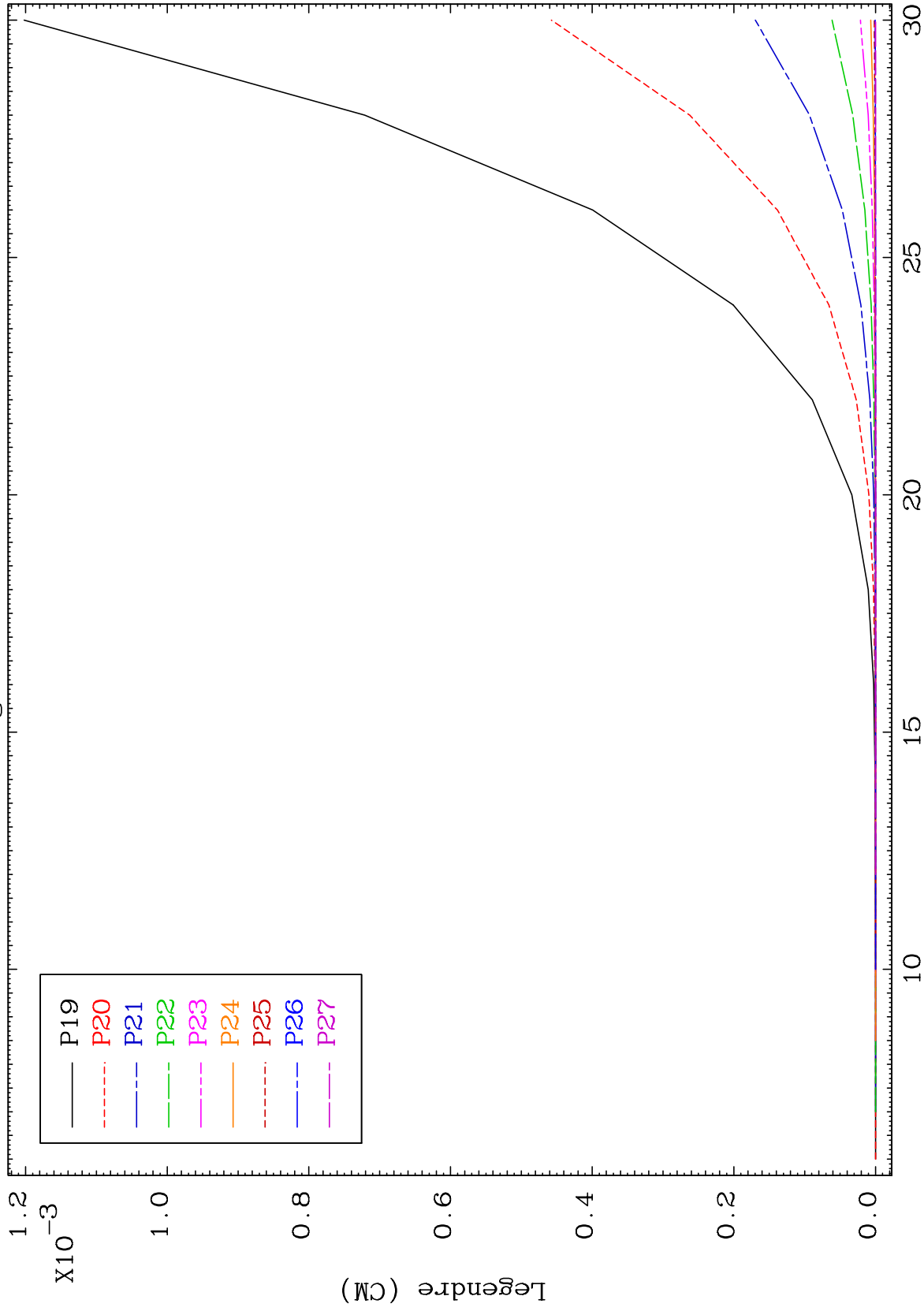
31-Ga-81



MAT 3161

Elastic Legendre Coefficients

31-Ga-81



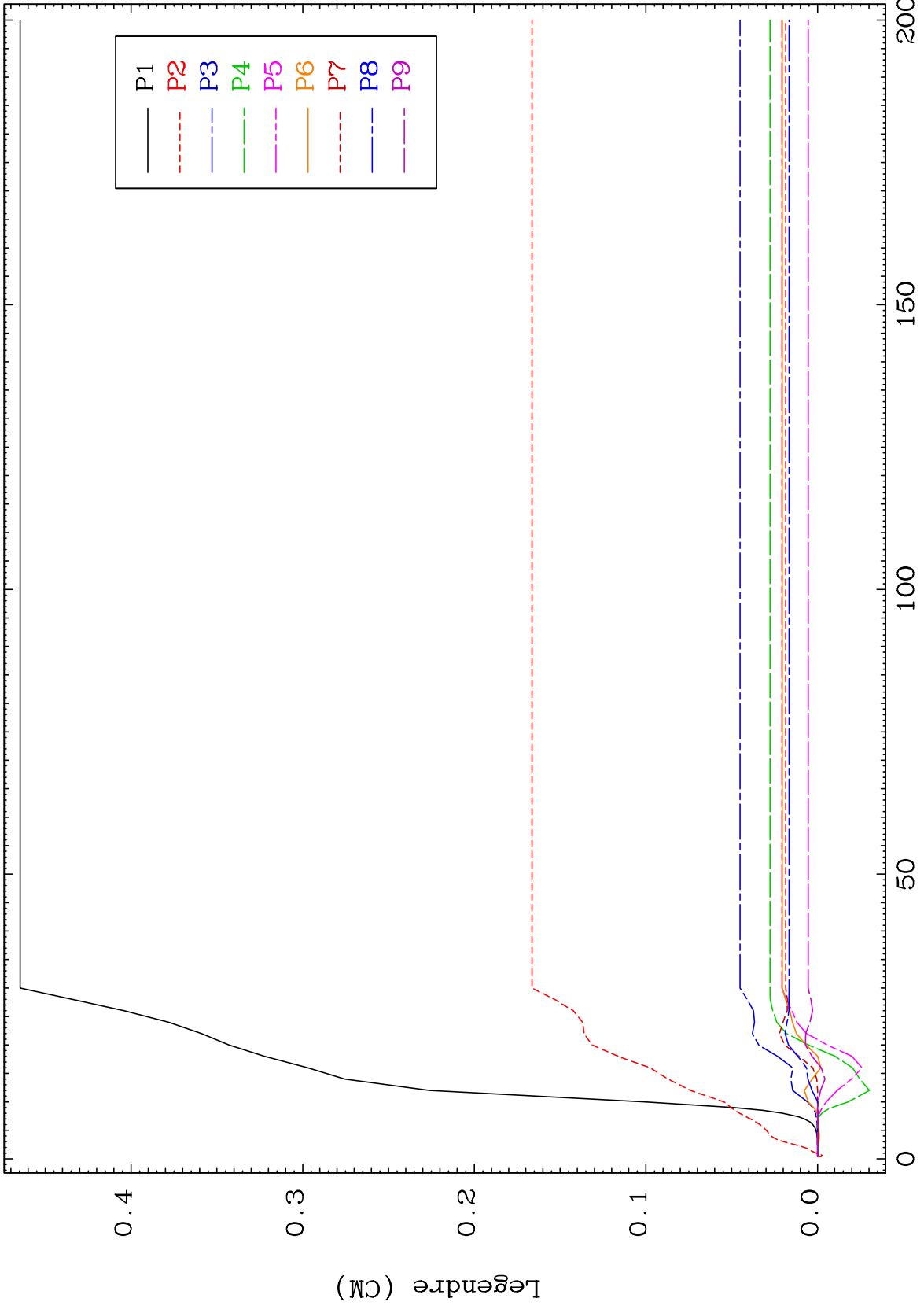
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Incident Energy (MeV)

31-Ga-81

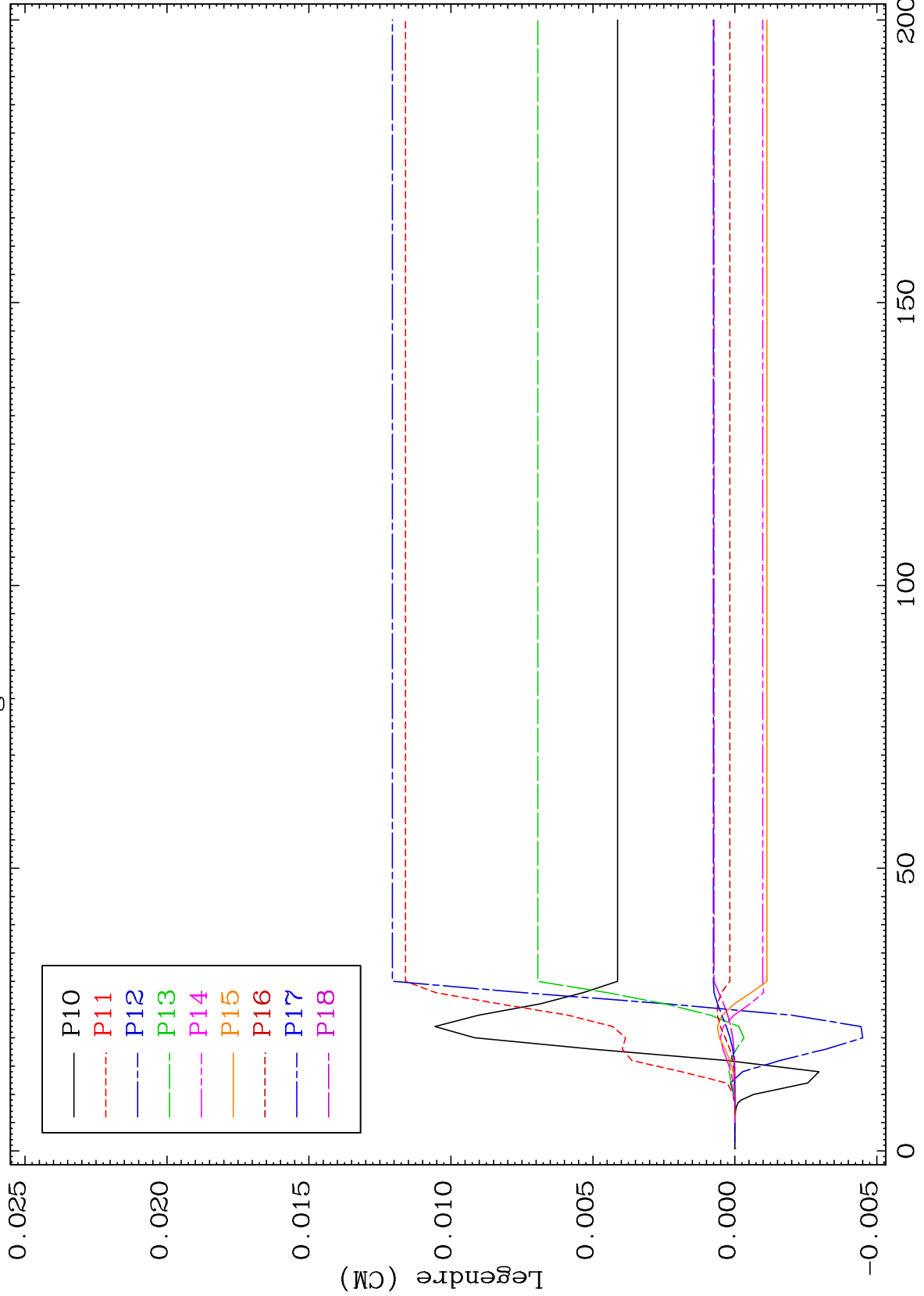


MAT 3161 MT= 51 (n,n') Level Legendre Coefficients 31-Ga-81



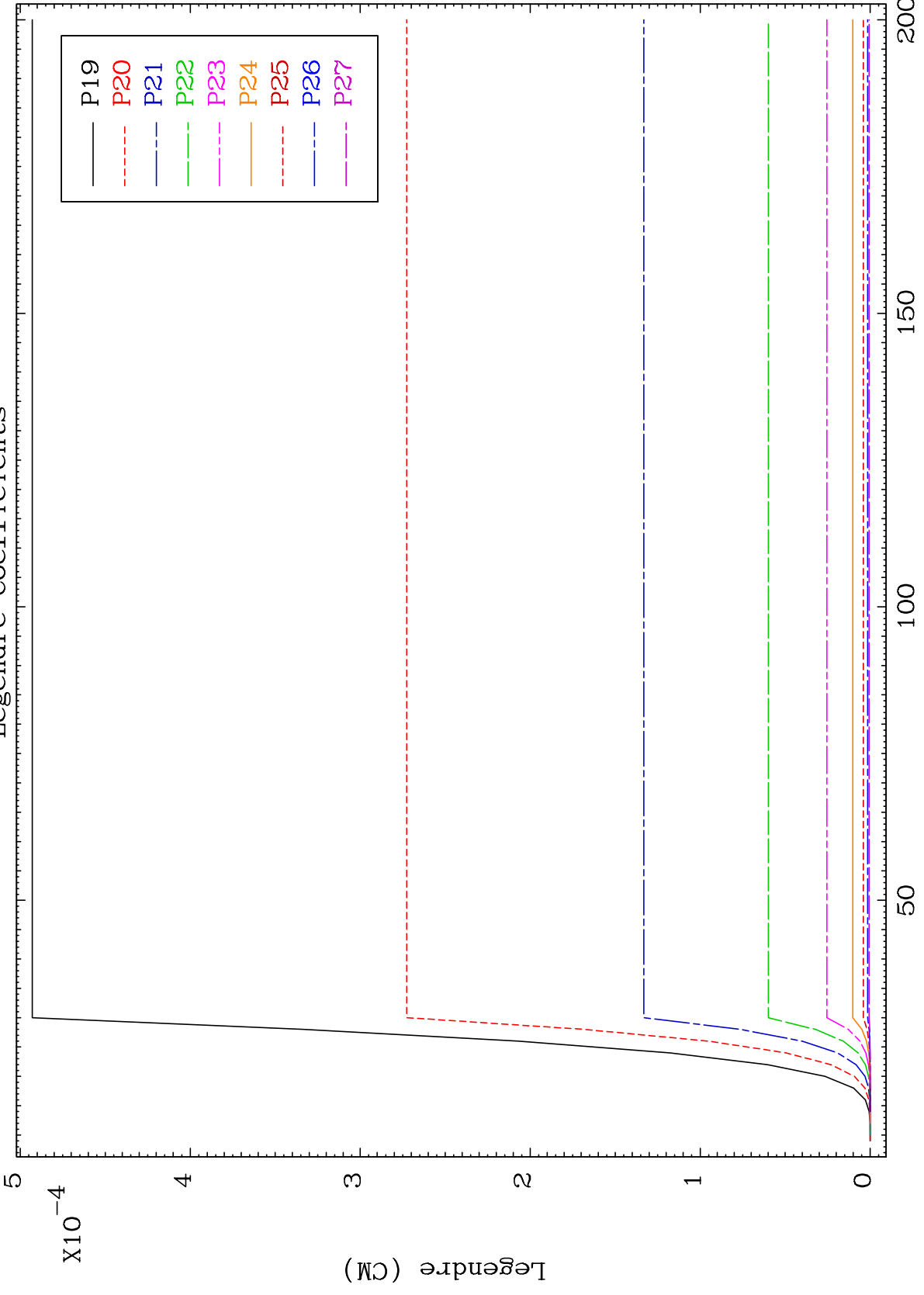
21 31-Ga-81

MAT 3161 MT= 51 (n,n') Level Legendre Coefficients 31-Ga-81



31-Ga-81

MAT 3161 MT= 51 (n,n') Level Legendre Coefficients 31-Ga-81

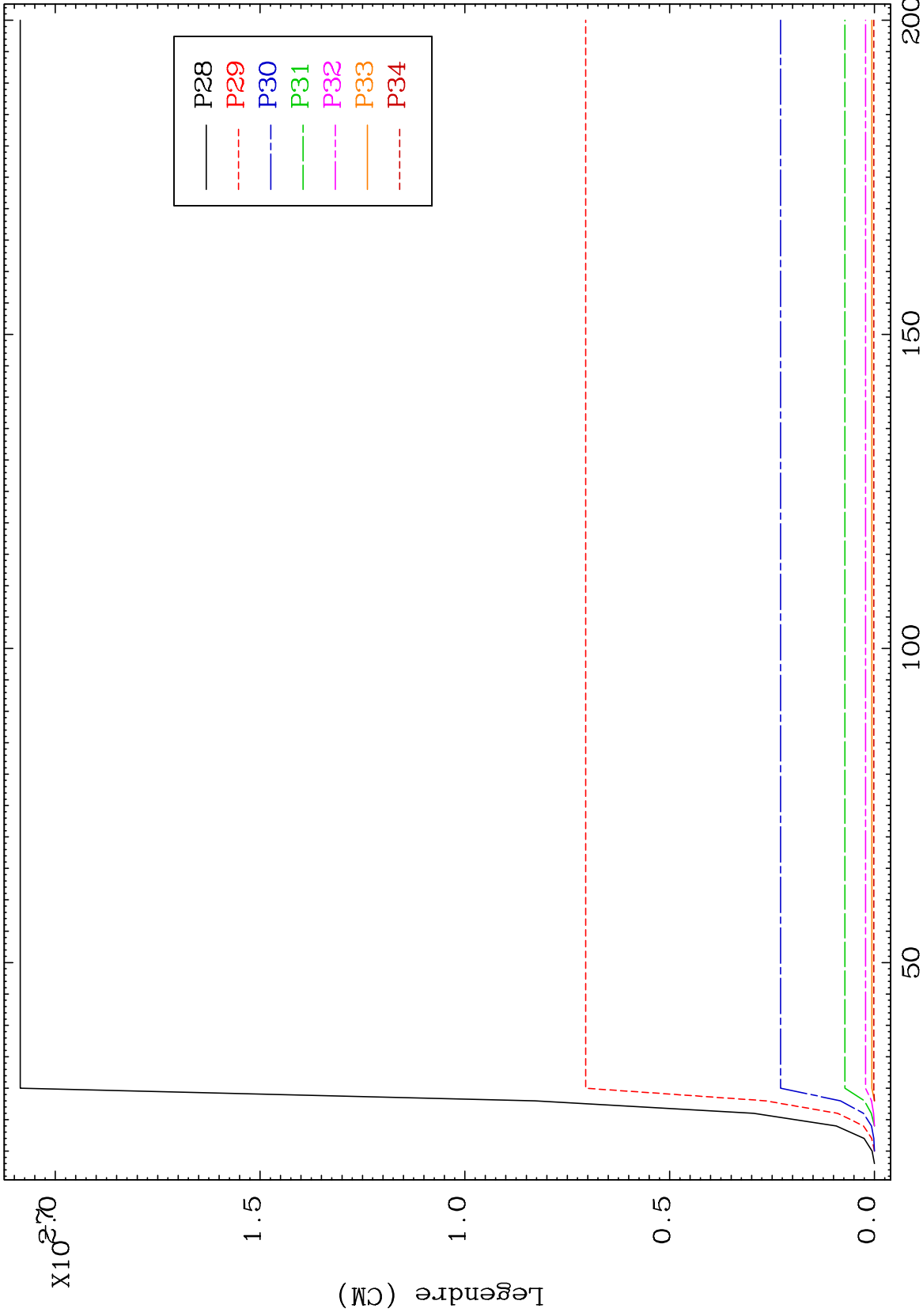


Legendre (CM) X10<sup>-4</sup> Incident Energy (MeV) 31-Ga-81

MAT 3161

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

31-Ga-81

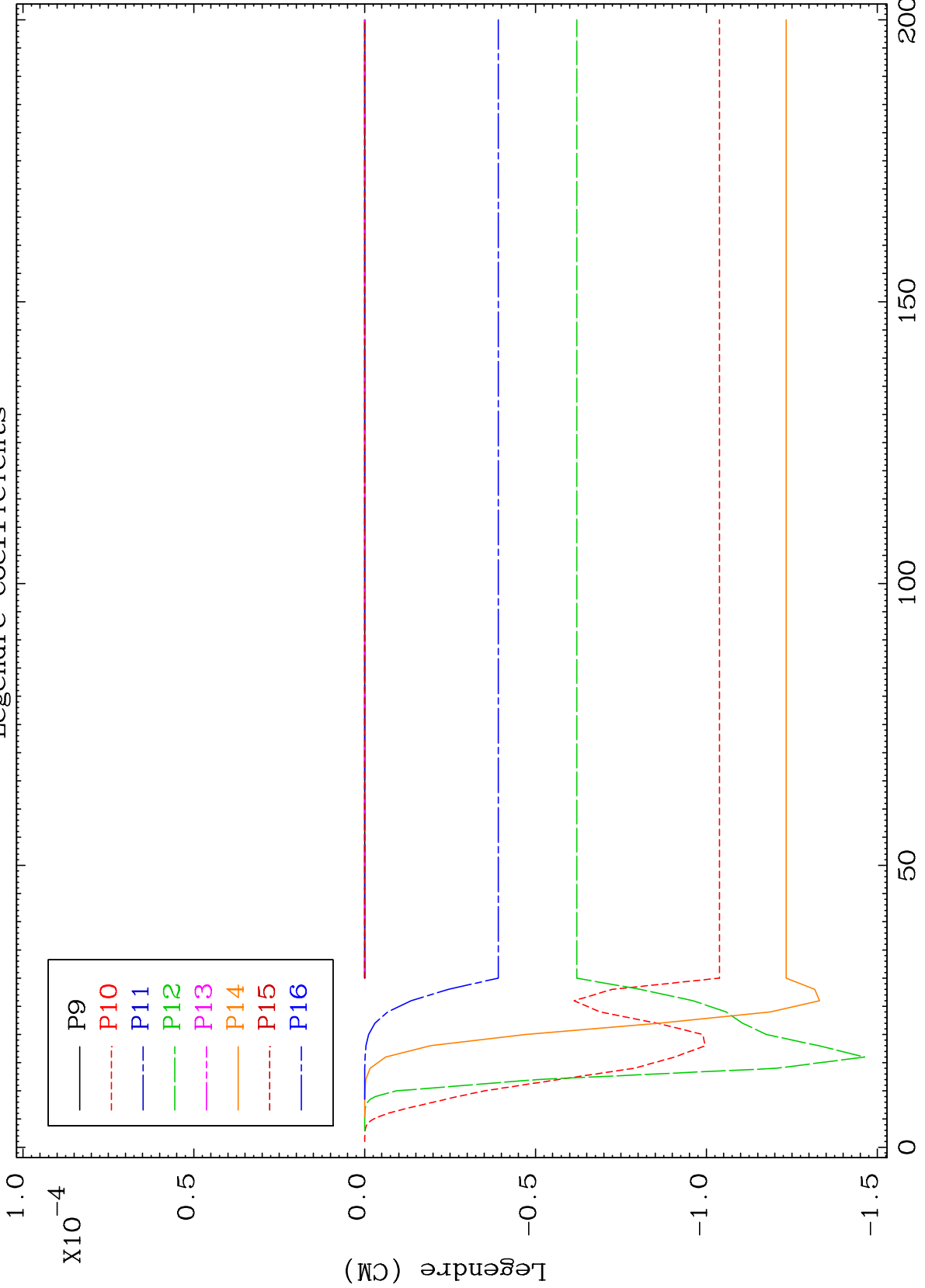


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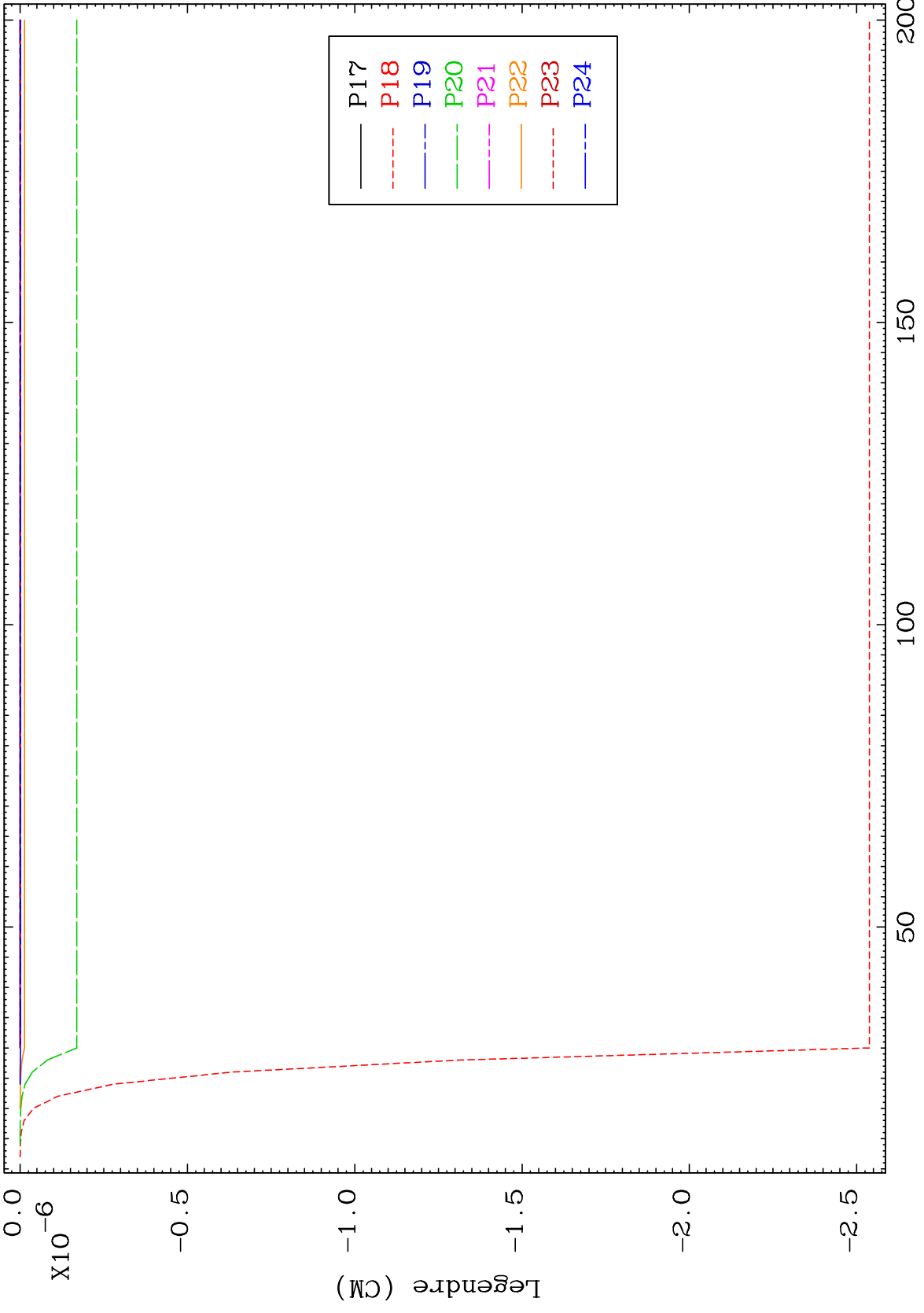
Incident Energy (MeV)

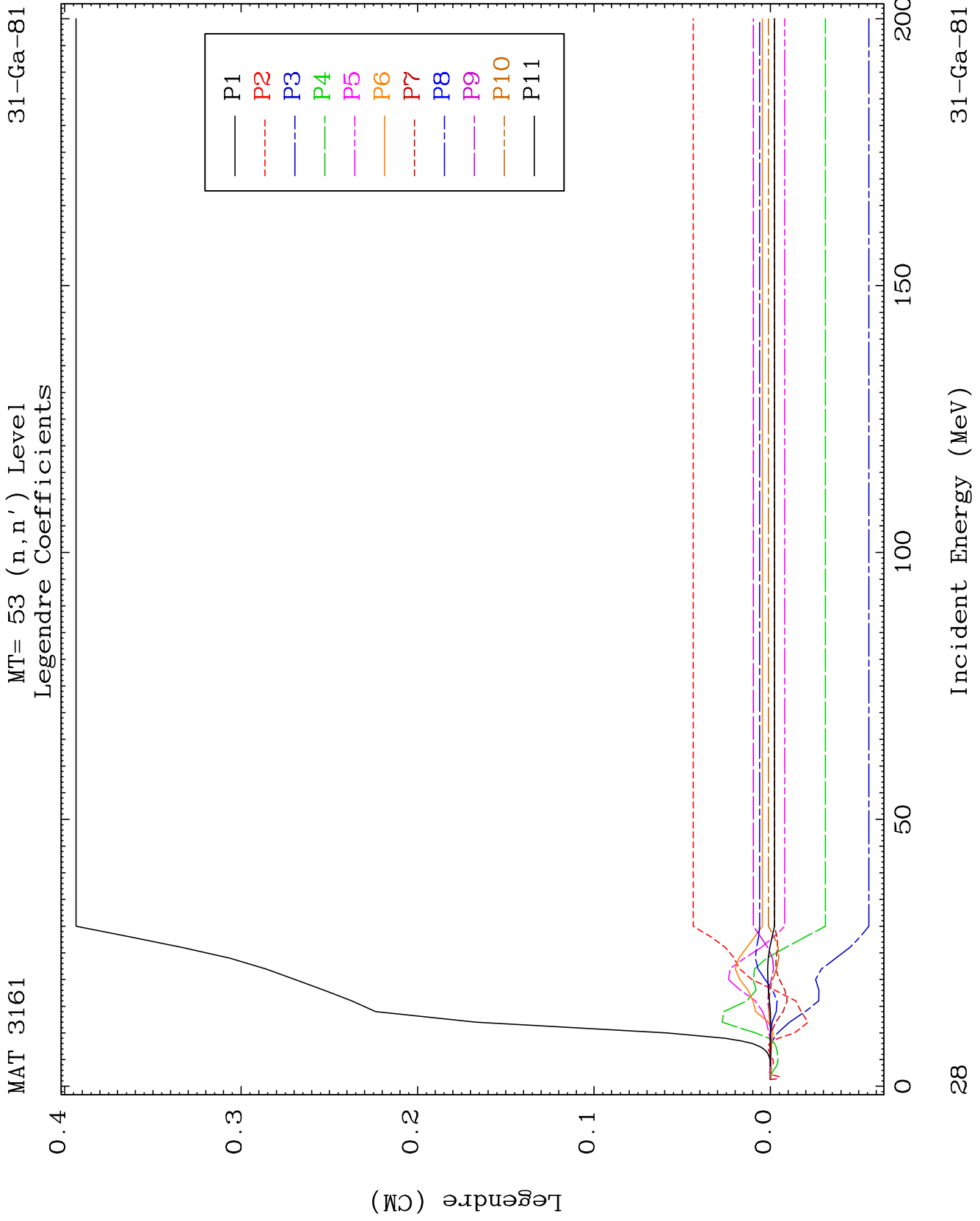
31-Ga-81





MAT 3161 MT= 52 (n,n') Level Legendre Coefficients 31-Ga-81

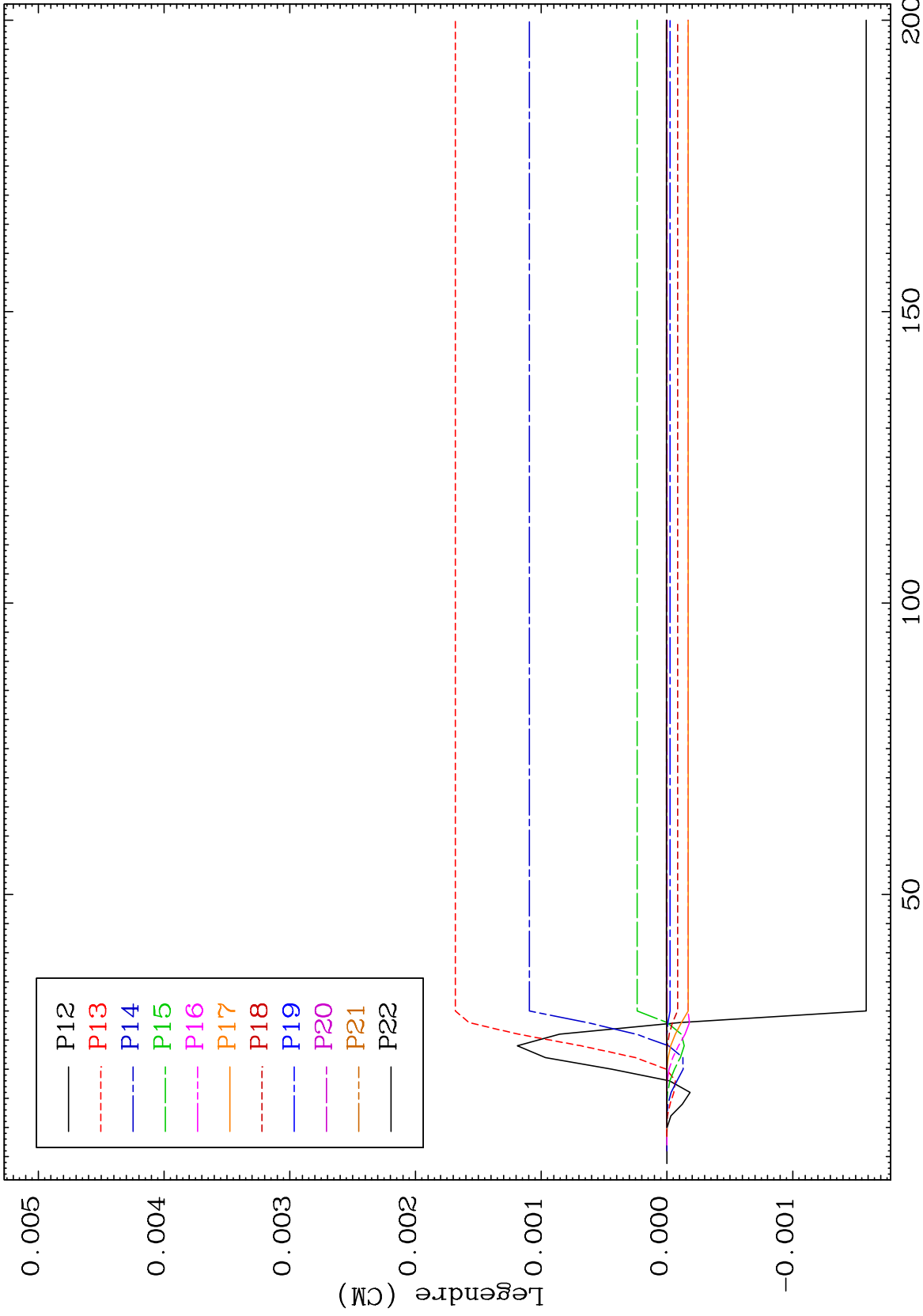




MAT 3161

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

31-Ga-81



29

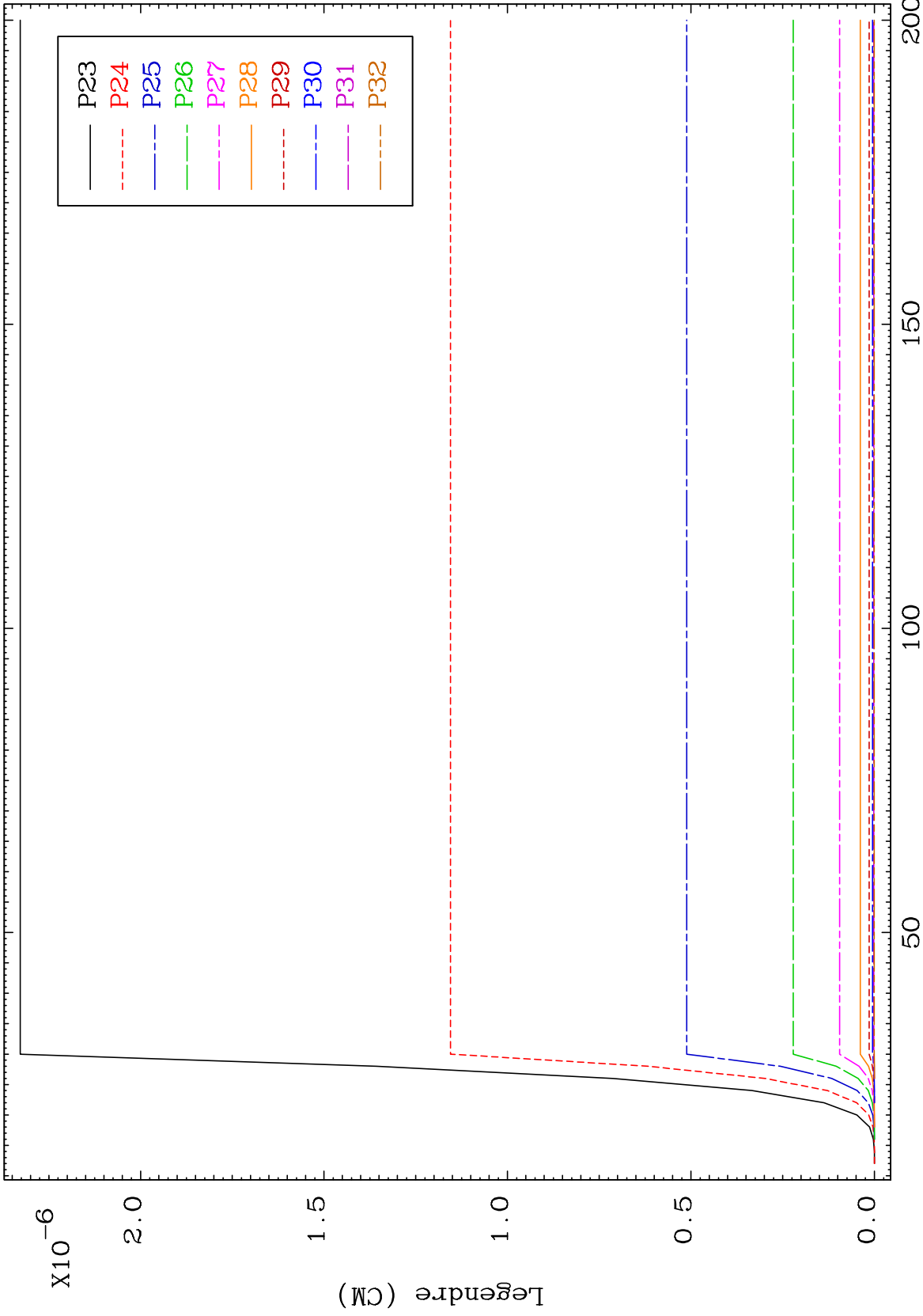
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

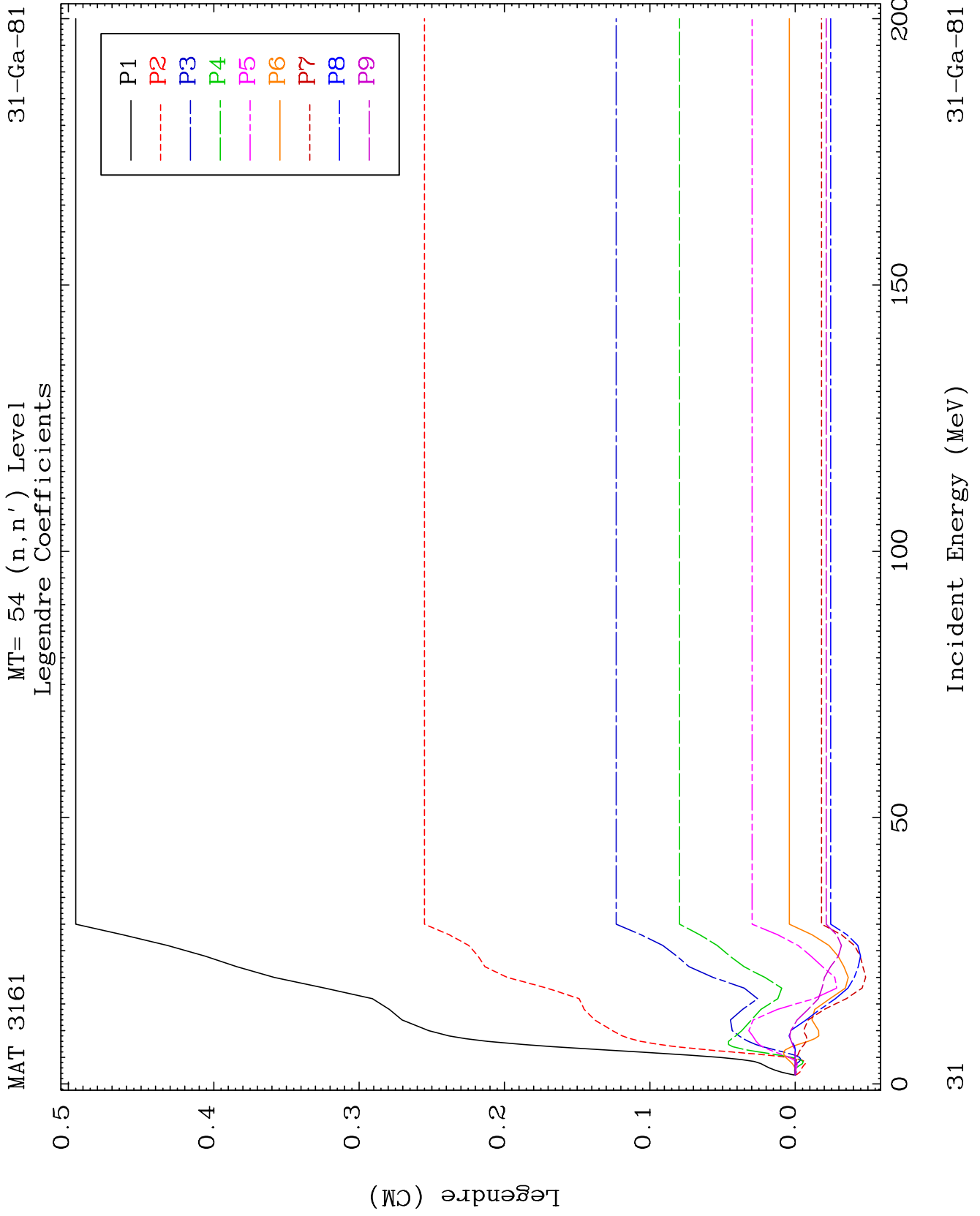
31-Ga-81



30

Incident Energy (MeV)

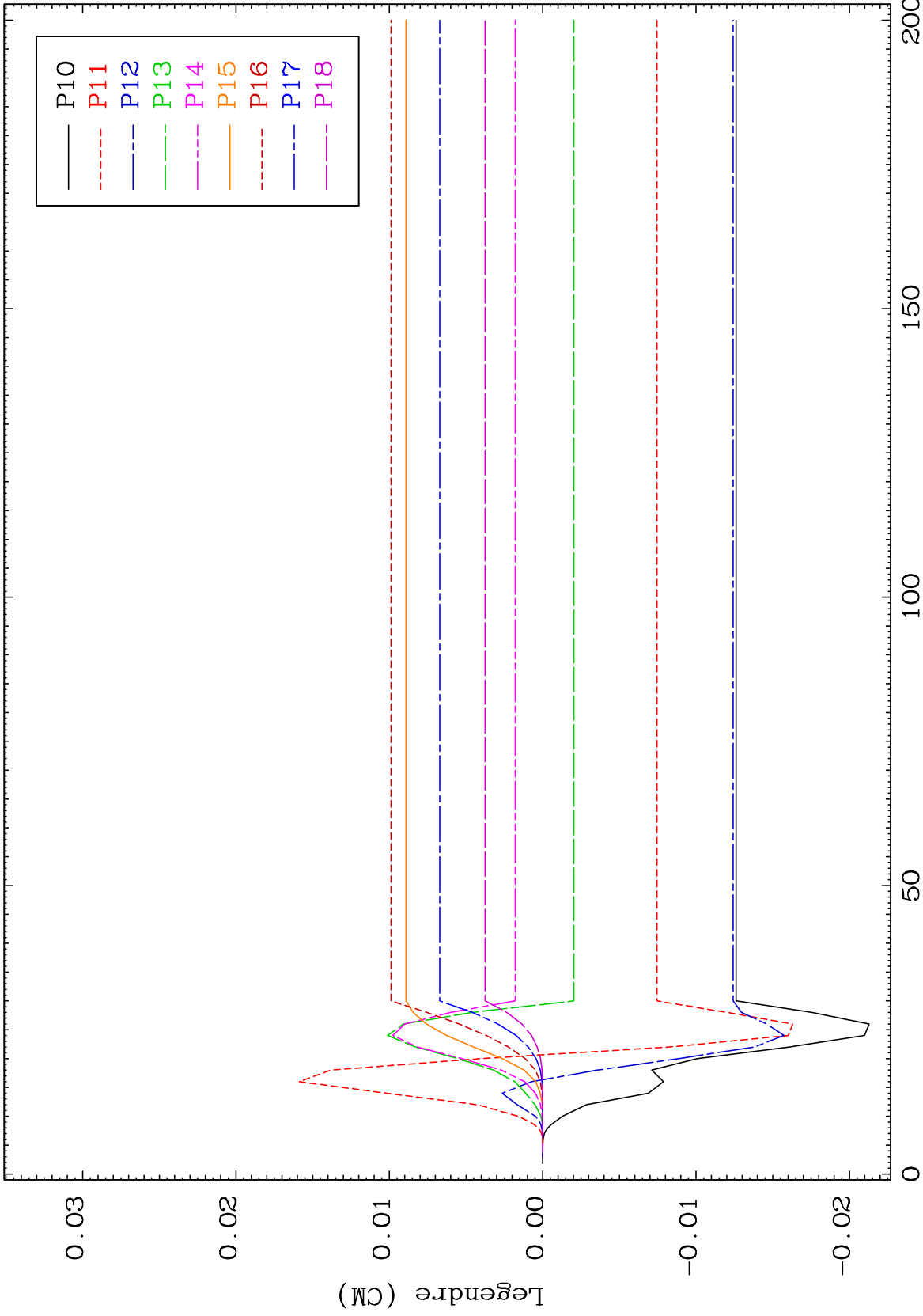
31-Ga-81



MAT 3161

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

31-Ga-81



32

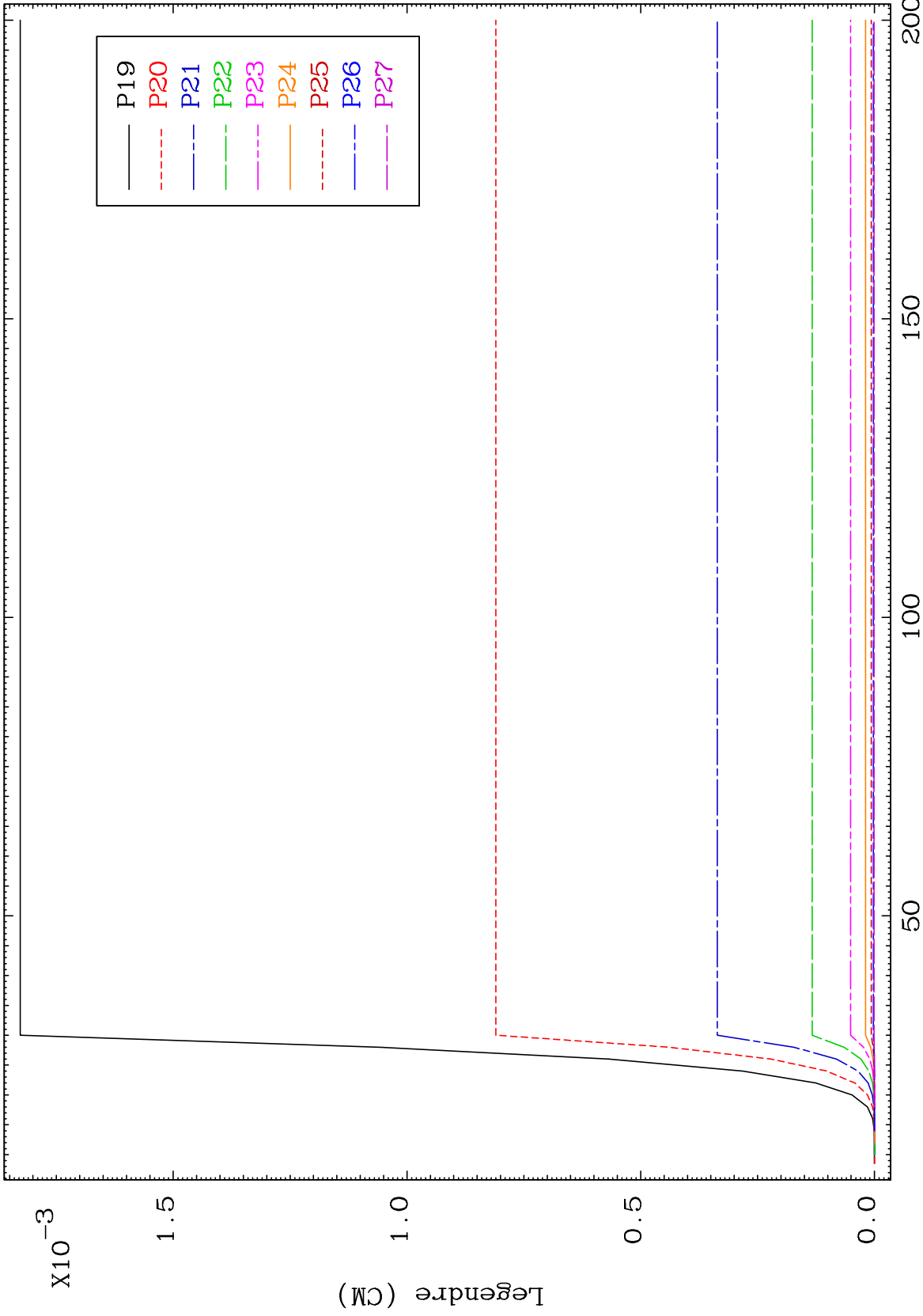
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

31-Ga-81



33

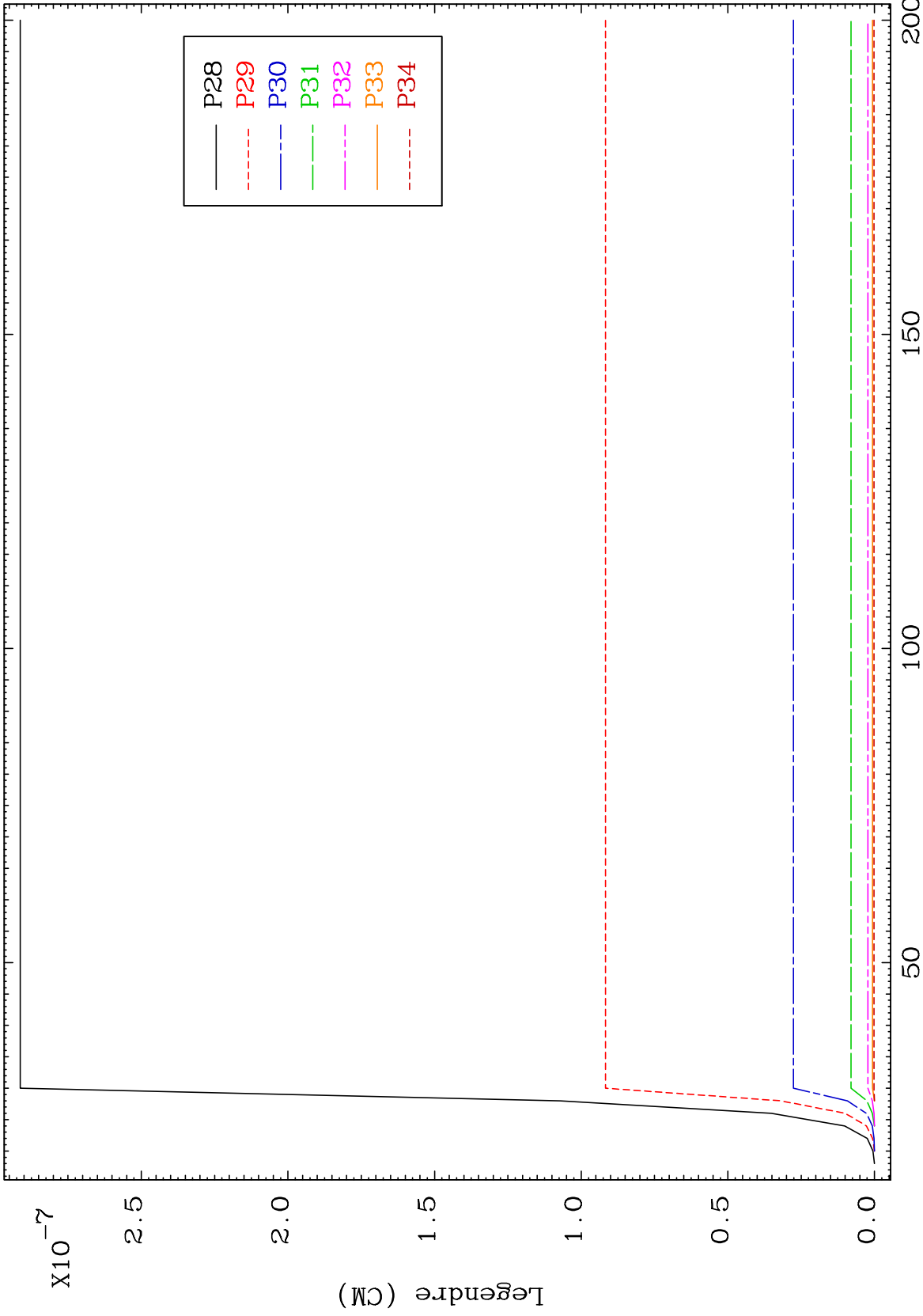
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

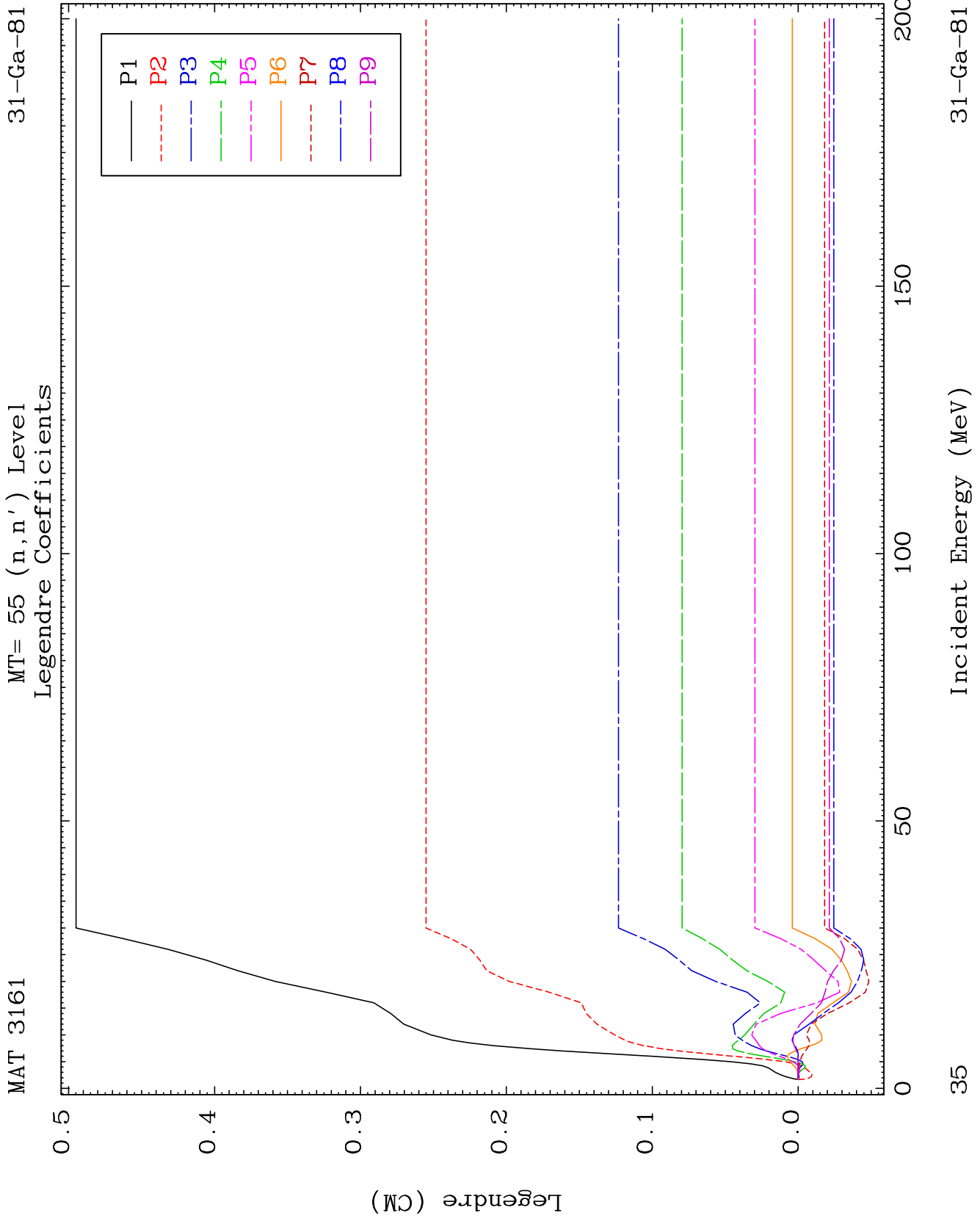
31-Ga-81



34

Incident Energy (MeV)

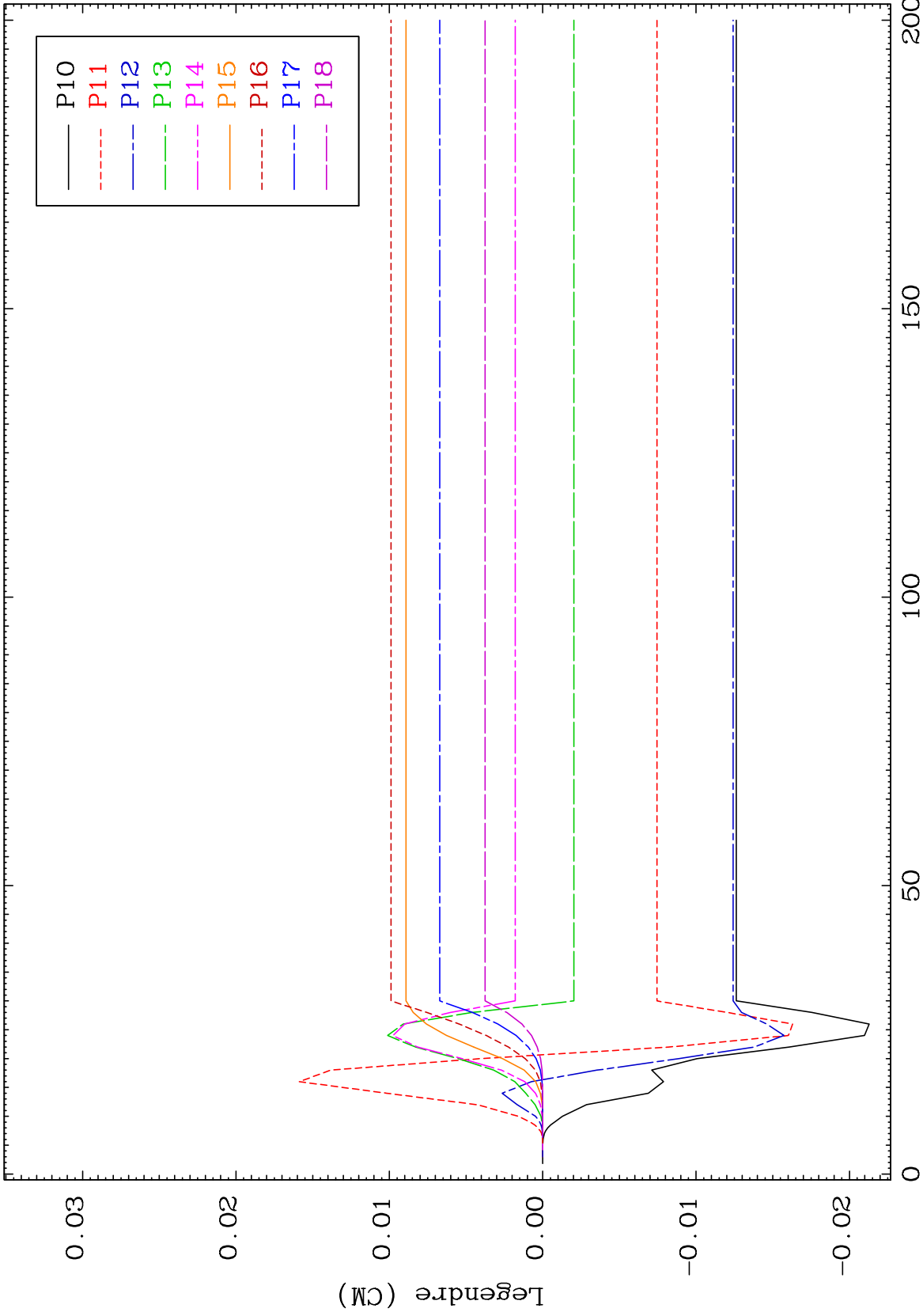
31-Ga-81



MAT 3161

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

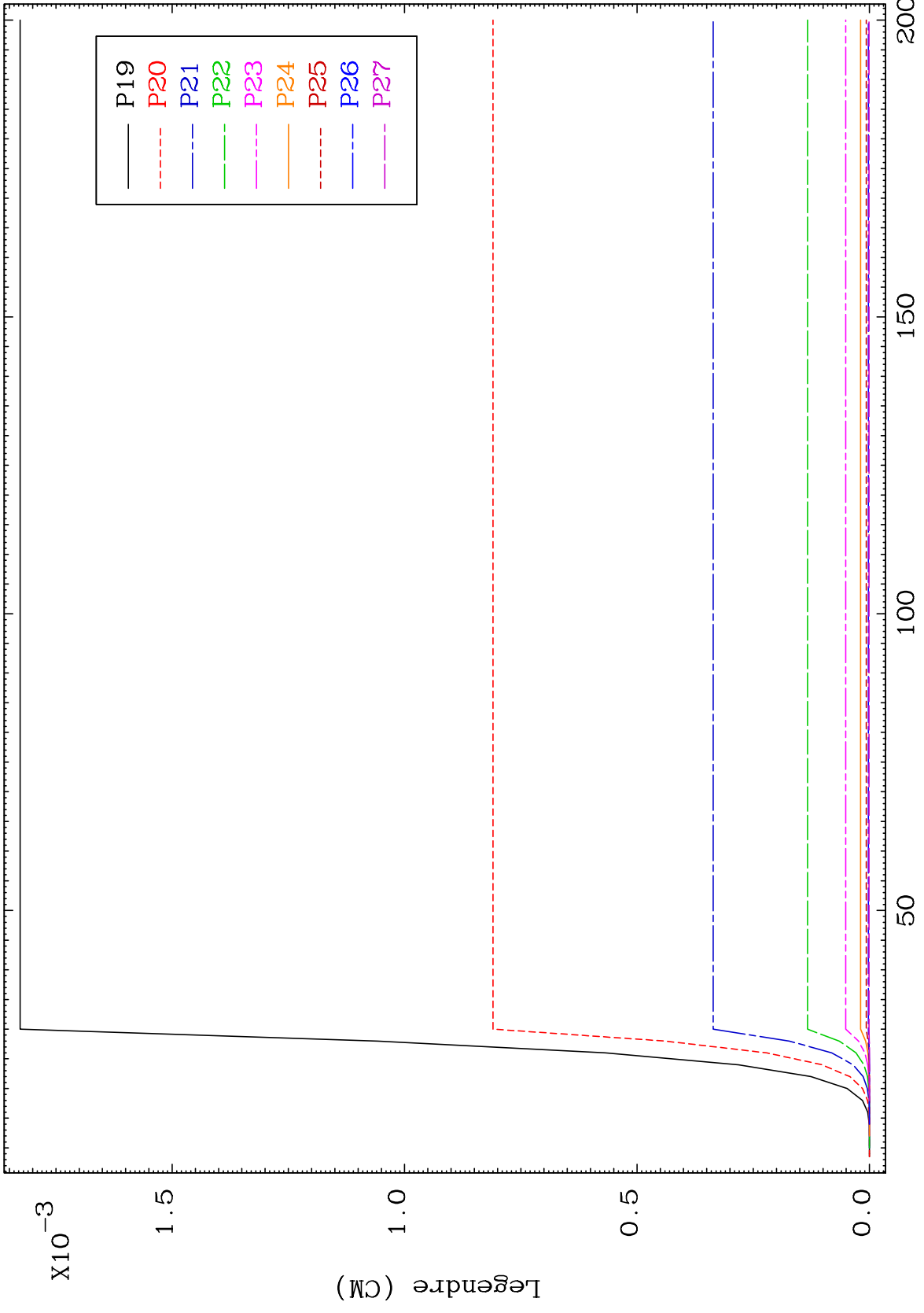
31-Ga-81



36

Incident Energy (MeV)

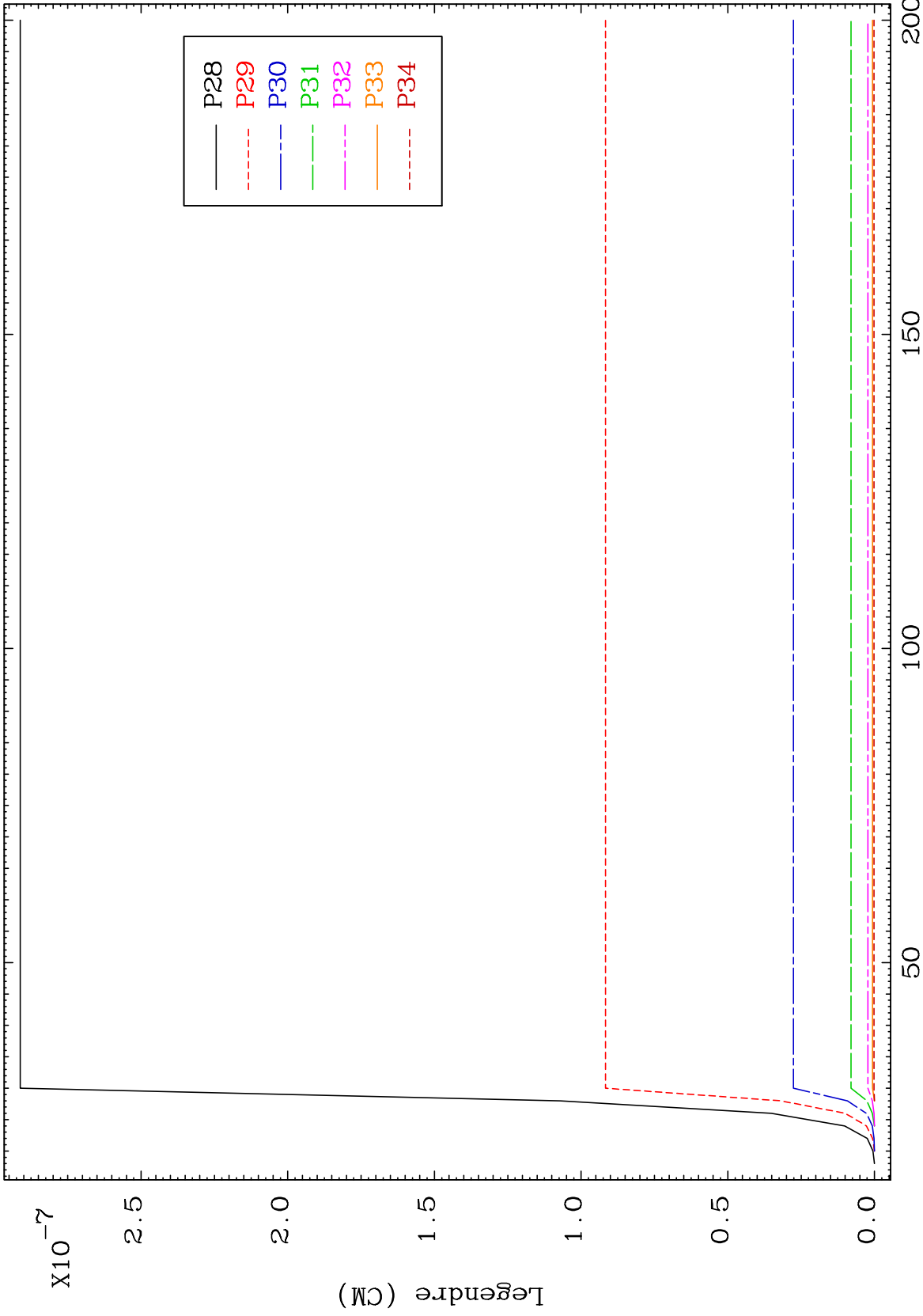
31-Ga-81



MAT 3161

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

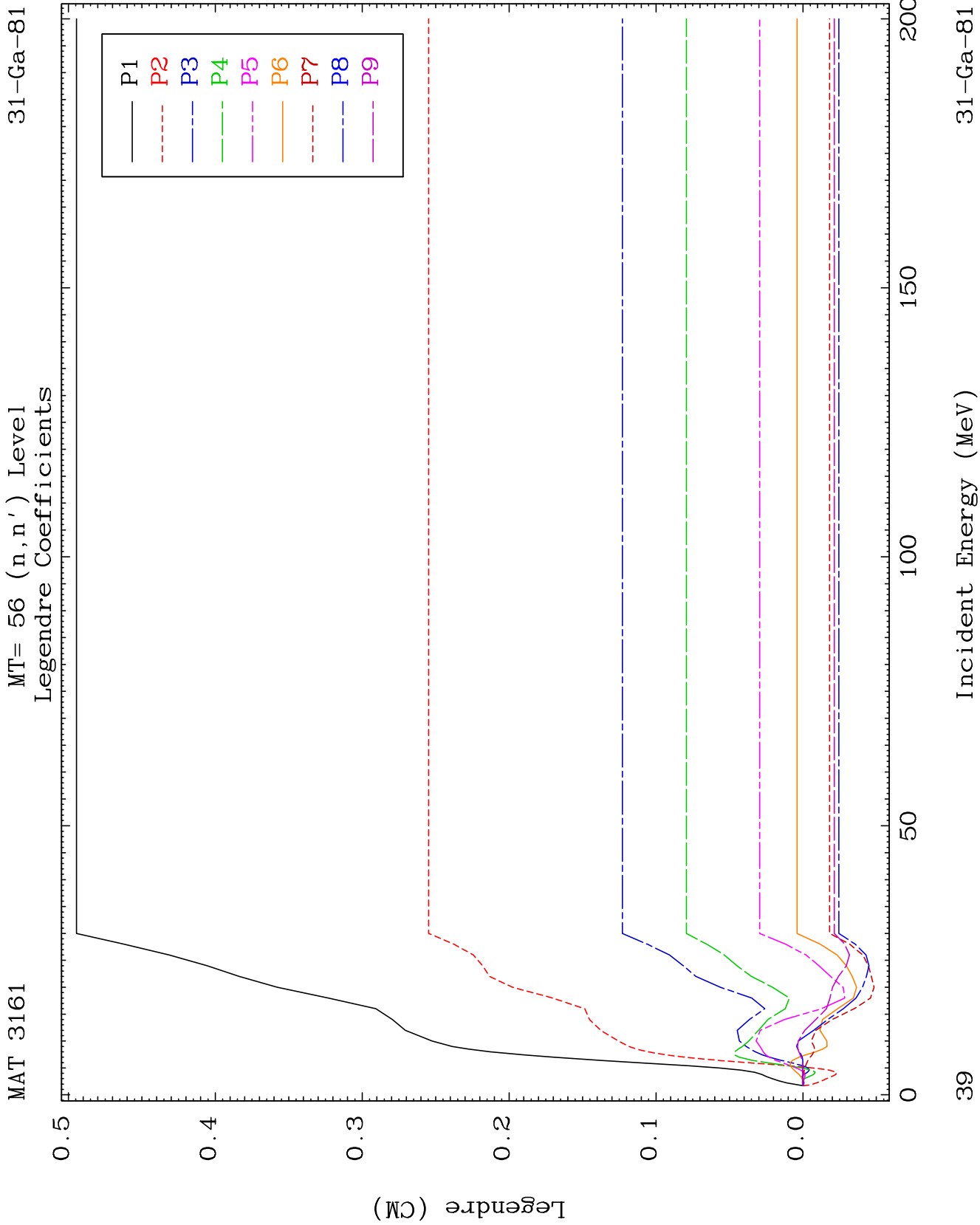
31-Ga-81



38

Incident Energy (MeV)

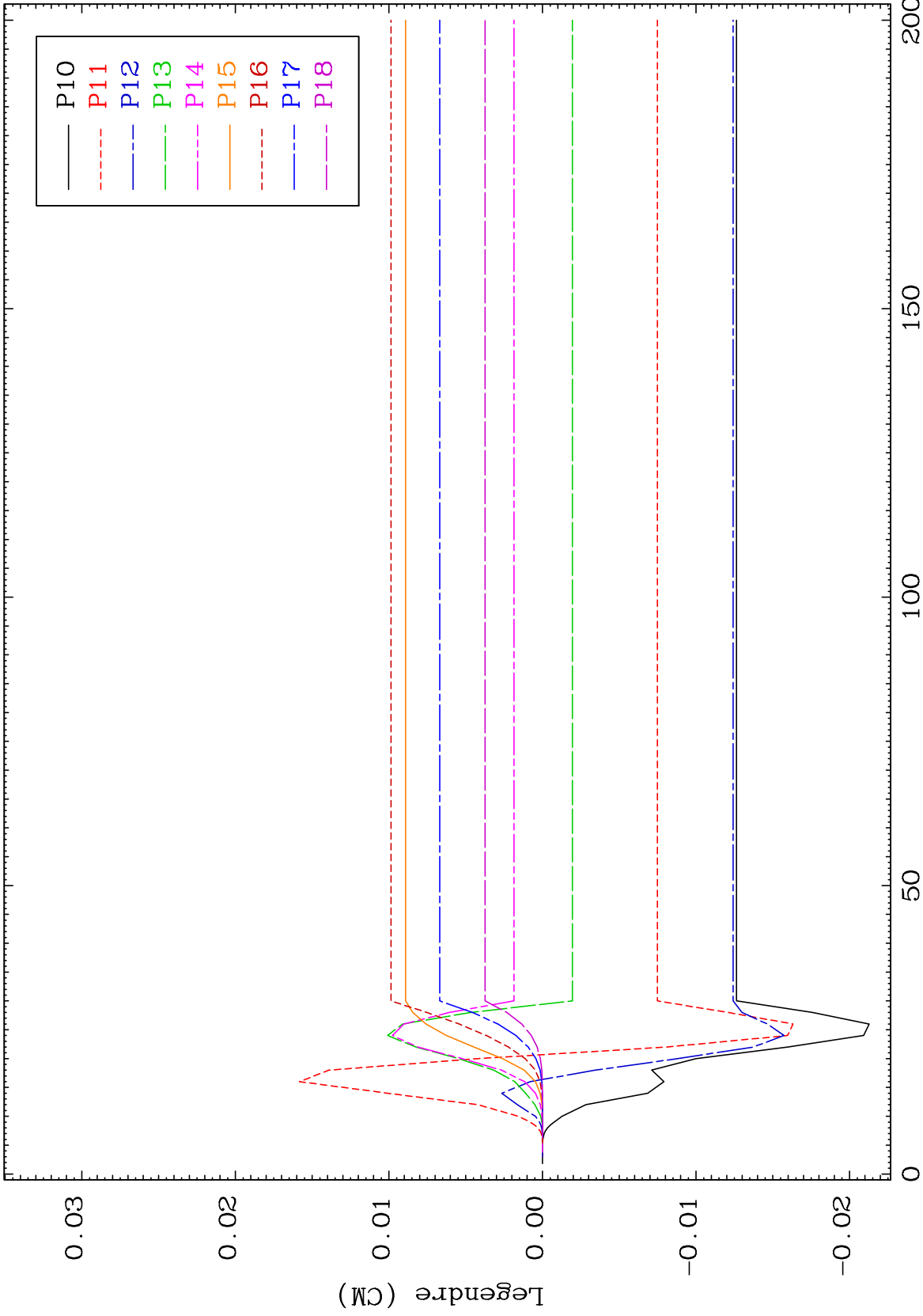
31-Ga-81



MAT 3161

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

31-Ga-81



40

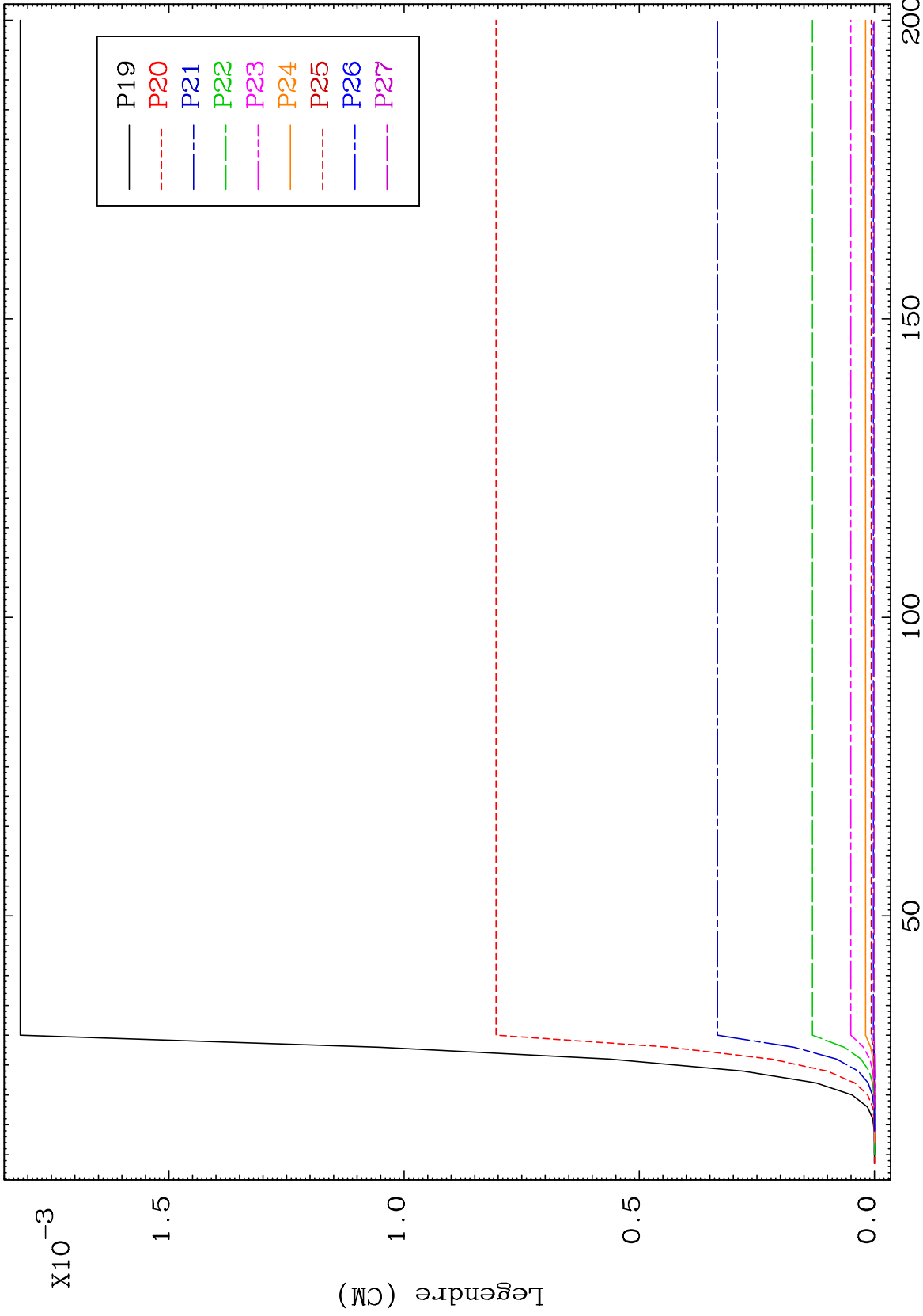
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

31-Ga-81



41

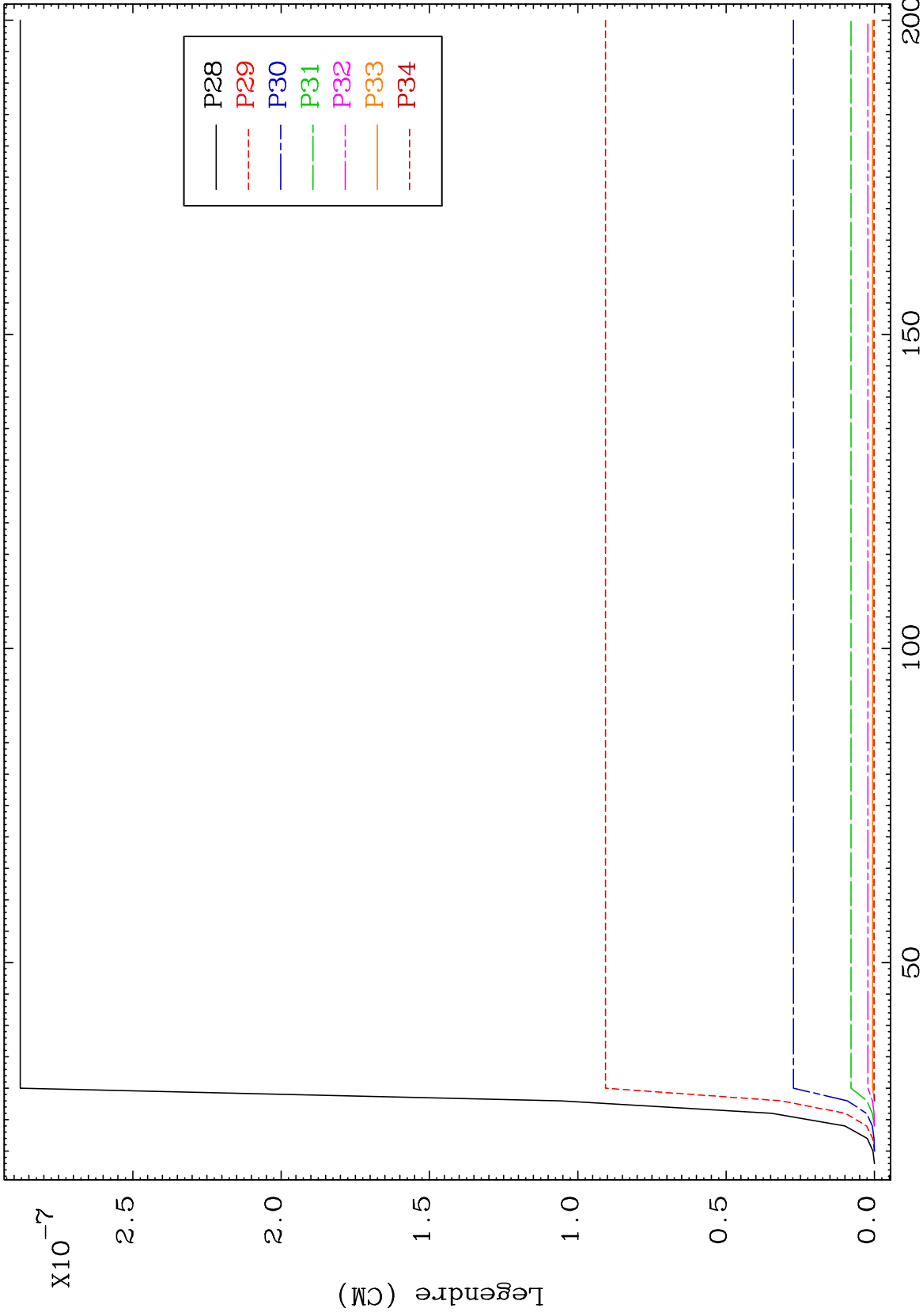
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

31-Ga-81

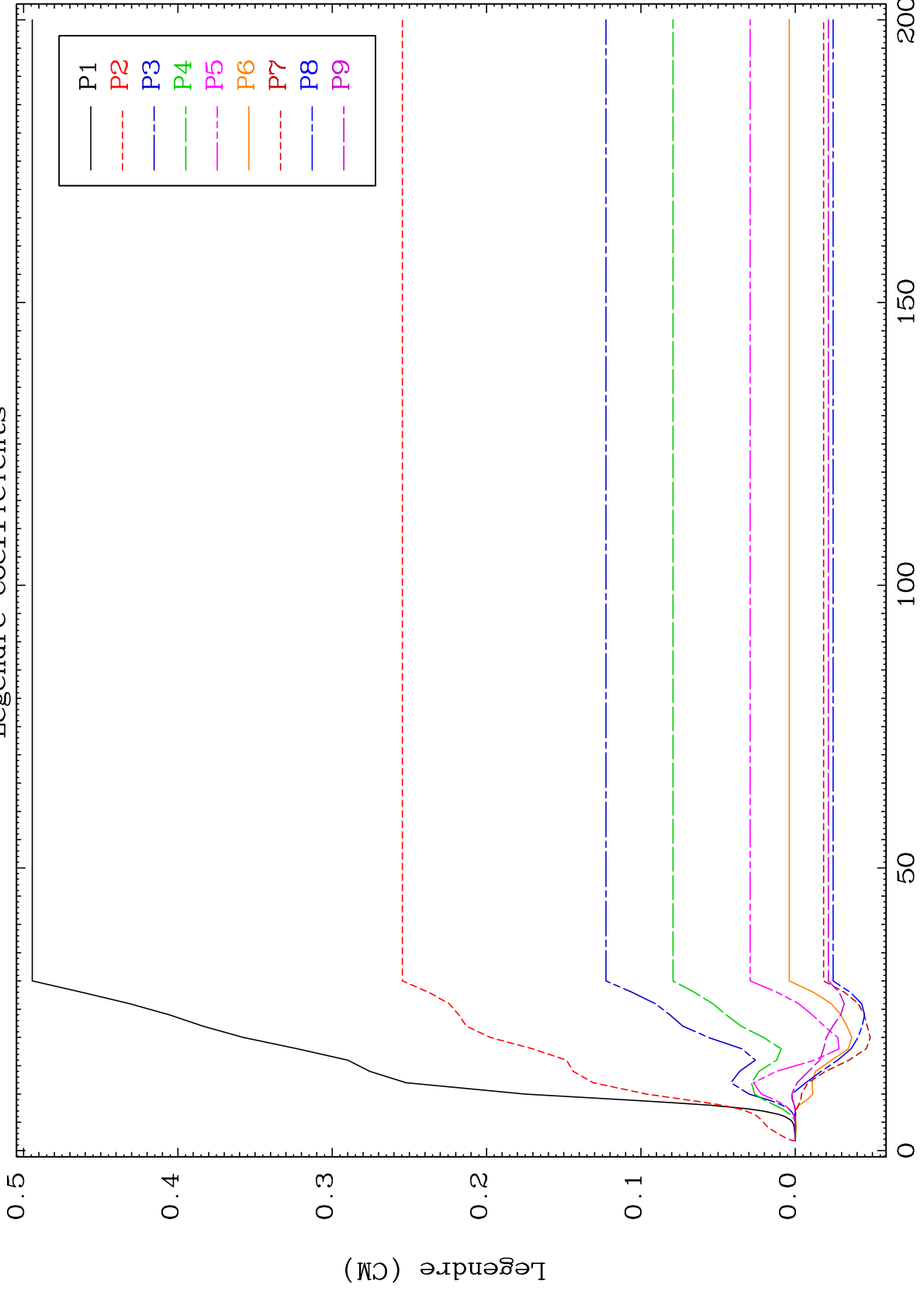


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Incident Energy (MeV)

31-Ga-81

MAT 3161 MT= 57 (n,n') Level Legendre Coefficients 31-Ga-81

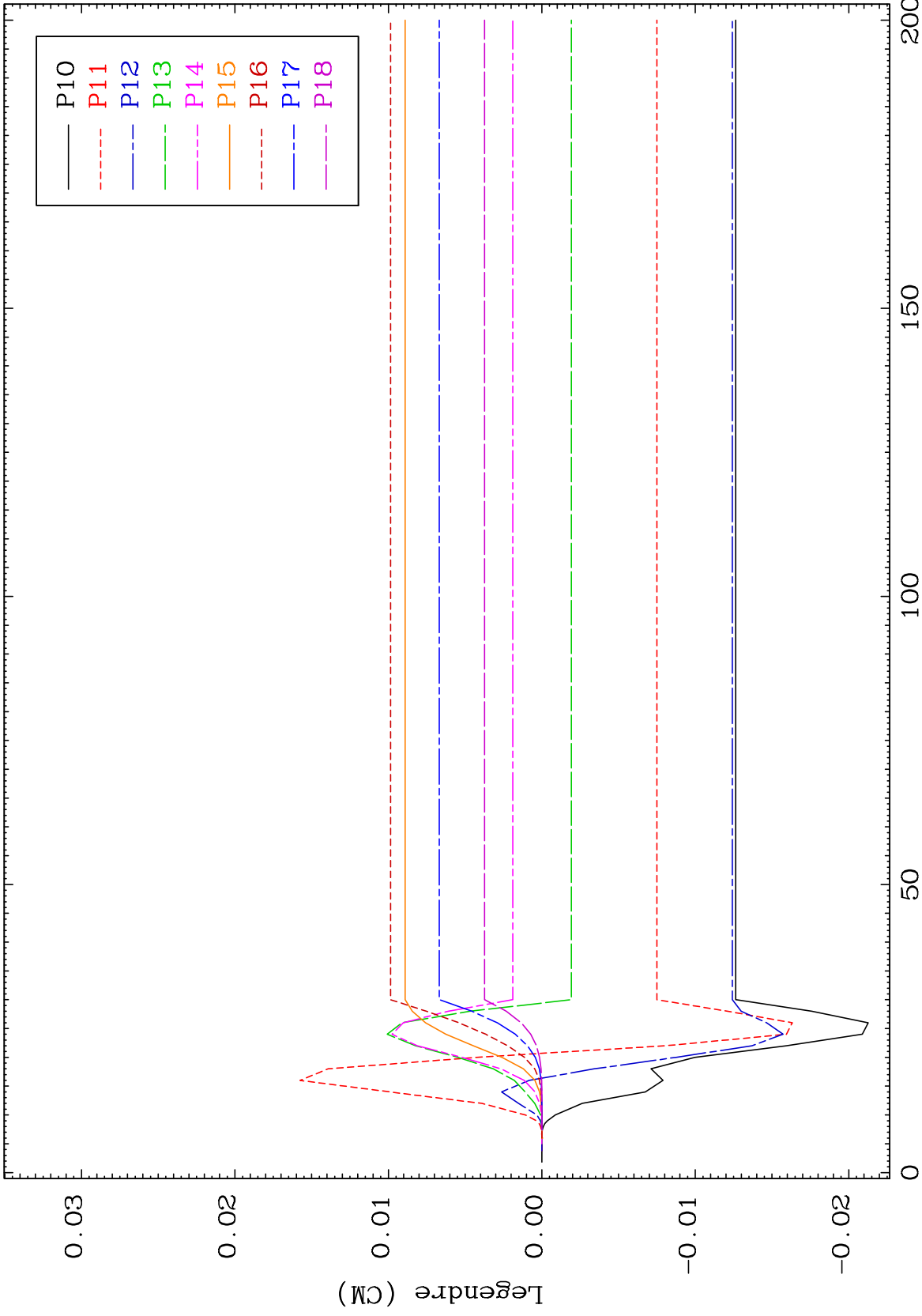


43 31-Ga-81

MAT 3161

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

31-Ga-81



44

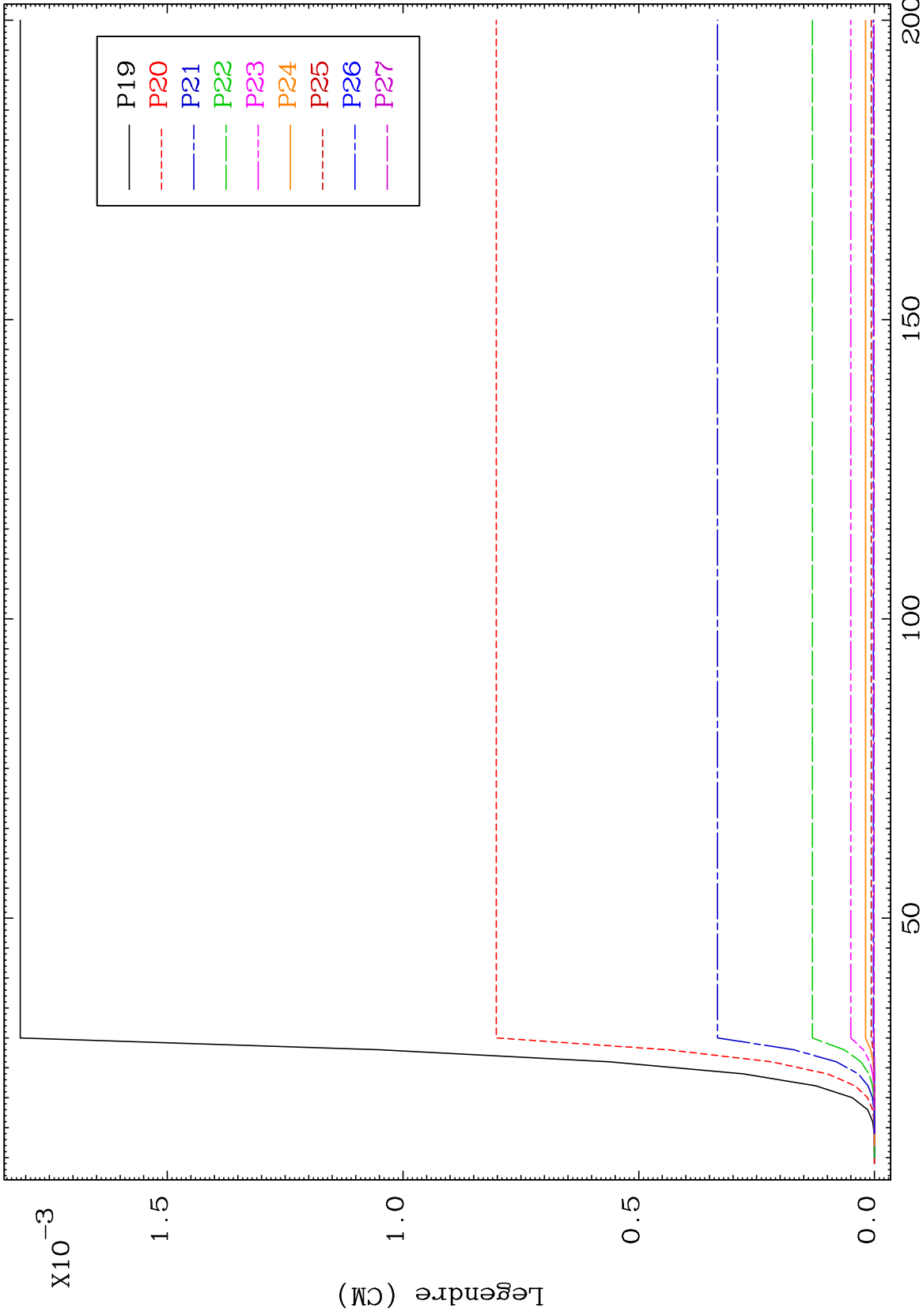
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

31-Ga-81



45

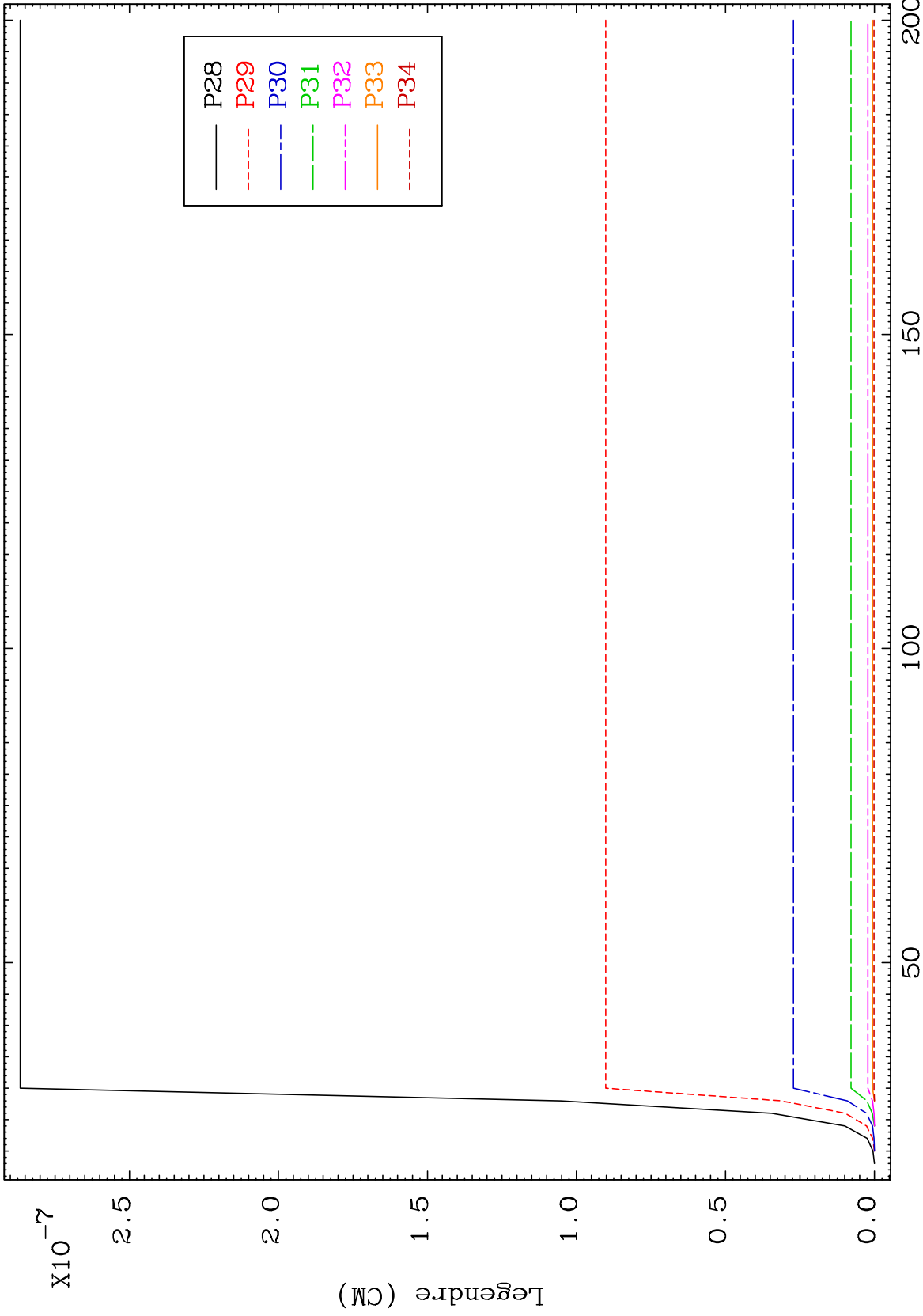
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

31-Ga-81

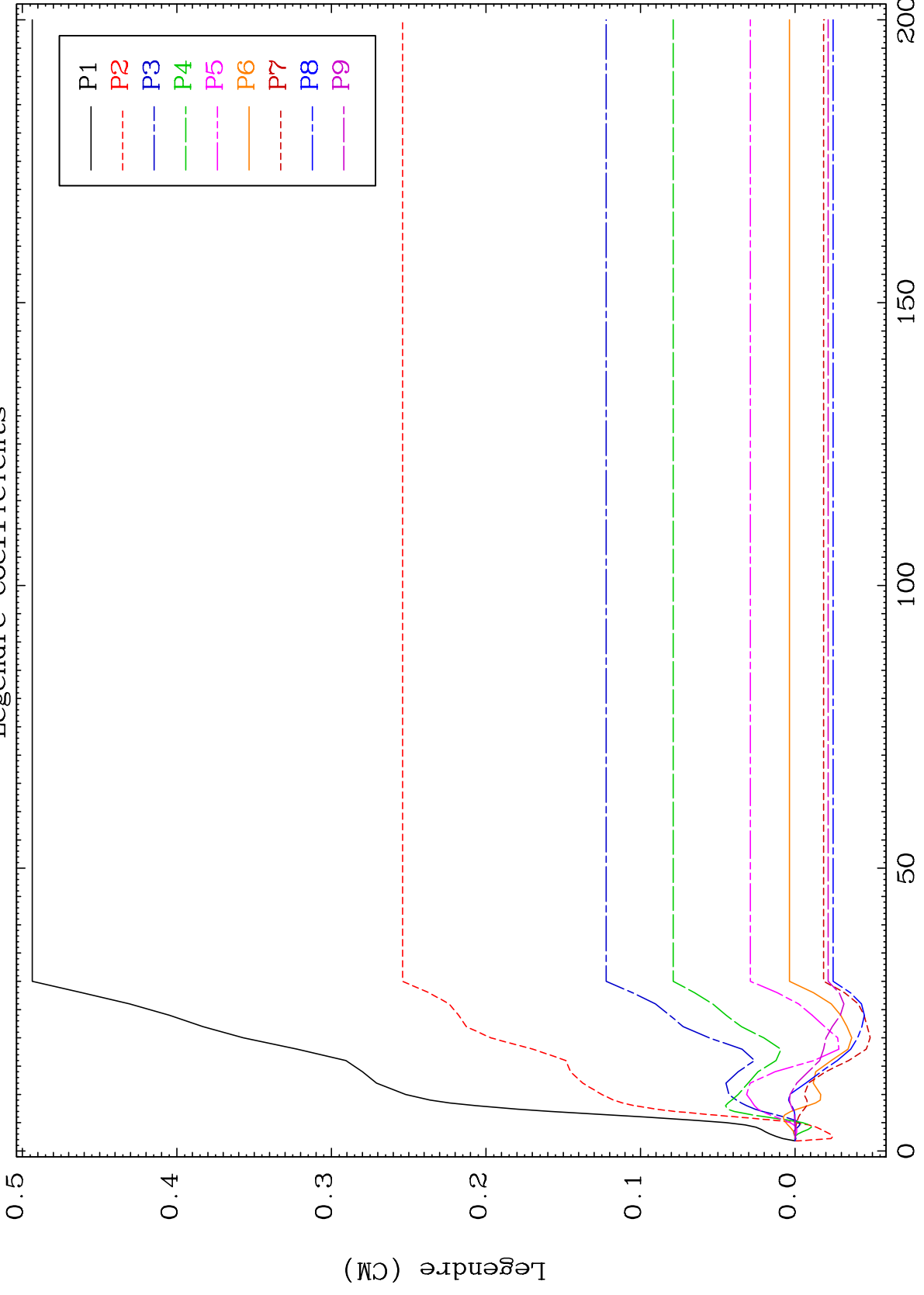


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Incident Energy (MeV)

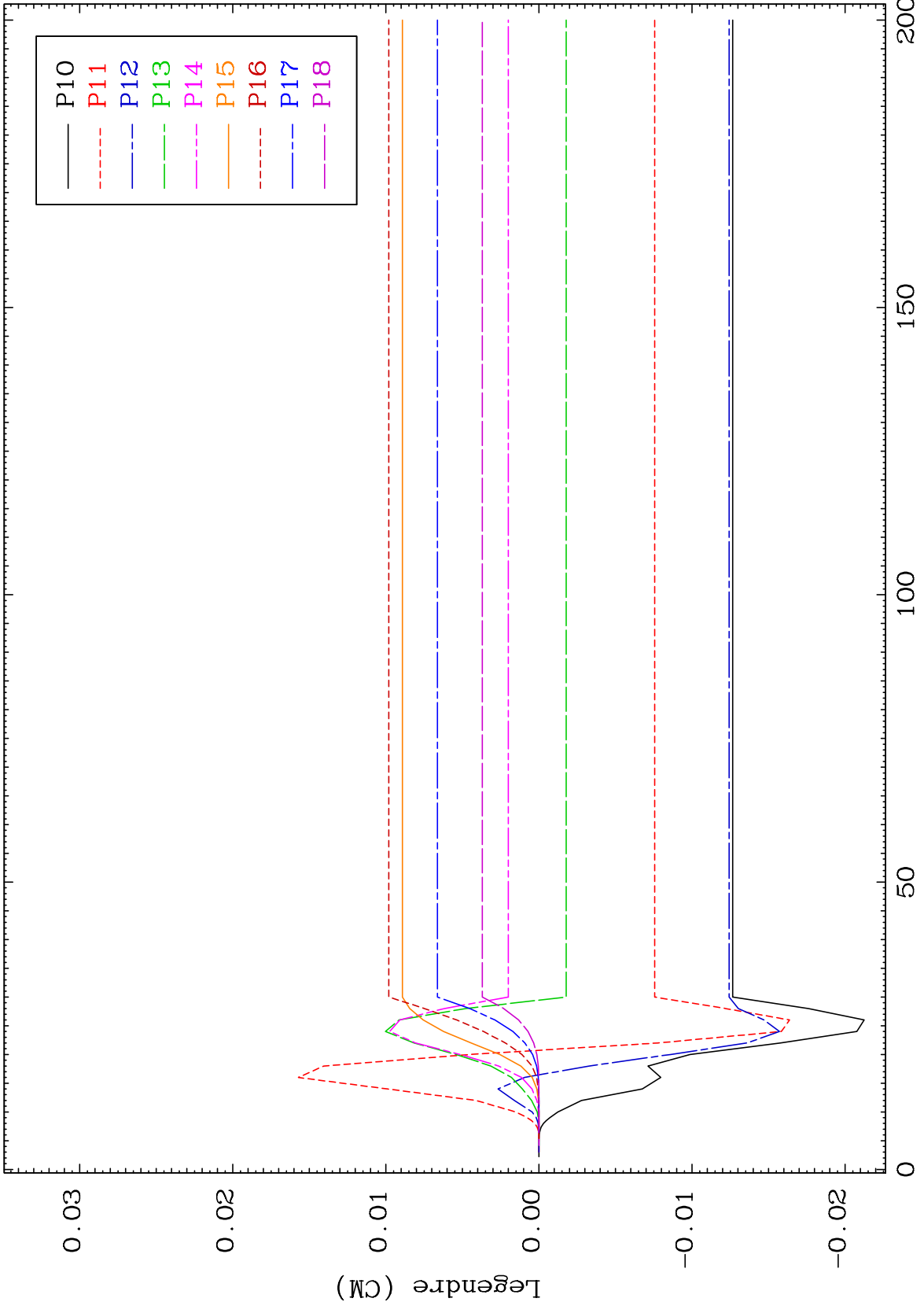
31-Ga-81

MAT 3161 MT= 58 (n,n') Level Legendre Coefficients 31-Ga-81



47 31-Ga-81

MAT 3161 MT= 58 (n,n') Level Legendre Coefficients 31-Ga-81

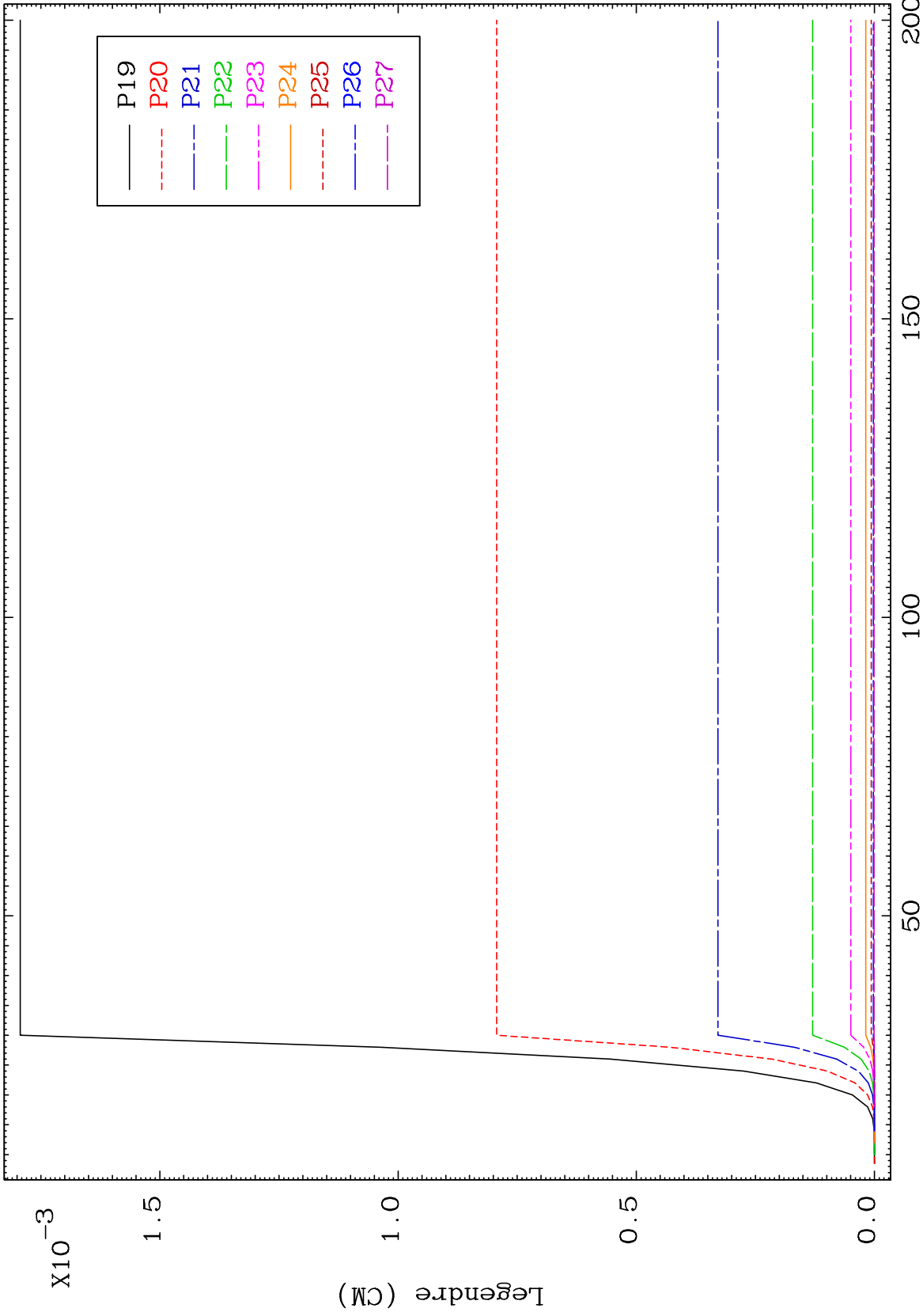


48 31-Ga-81

MAT 3161

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

31-Ga-81



49

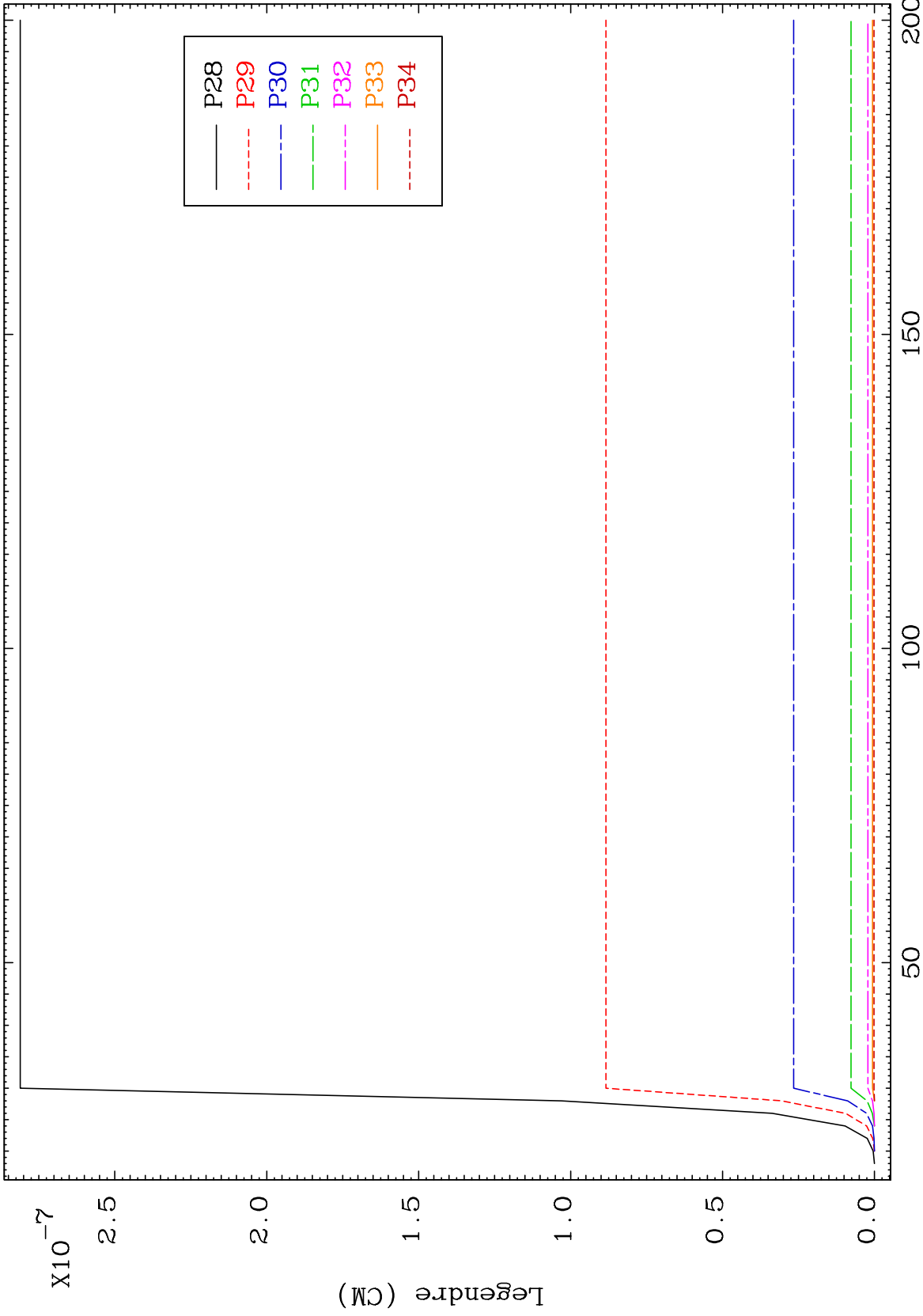
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

31-Ga-81



50

Incident Energy (MeV)

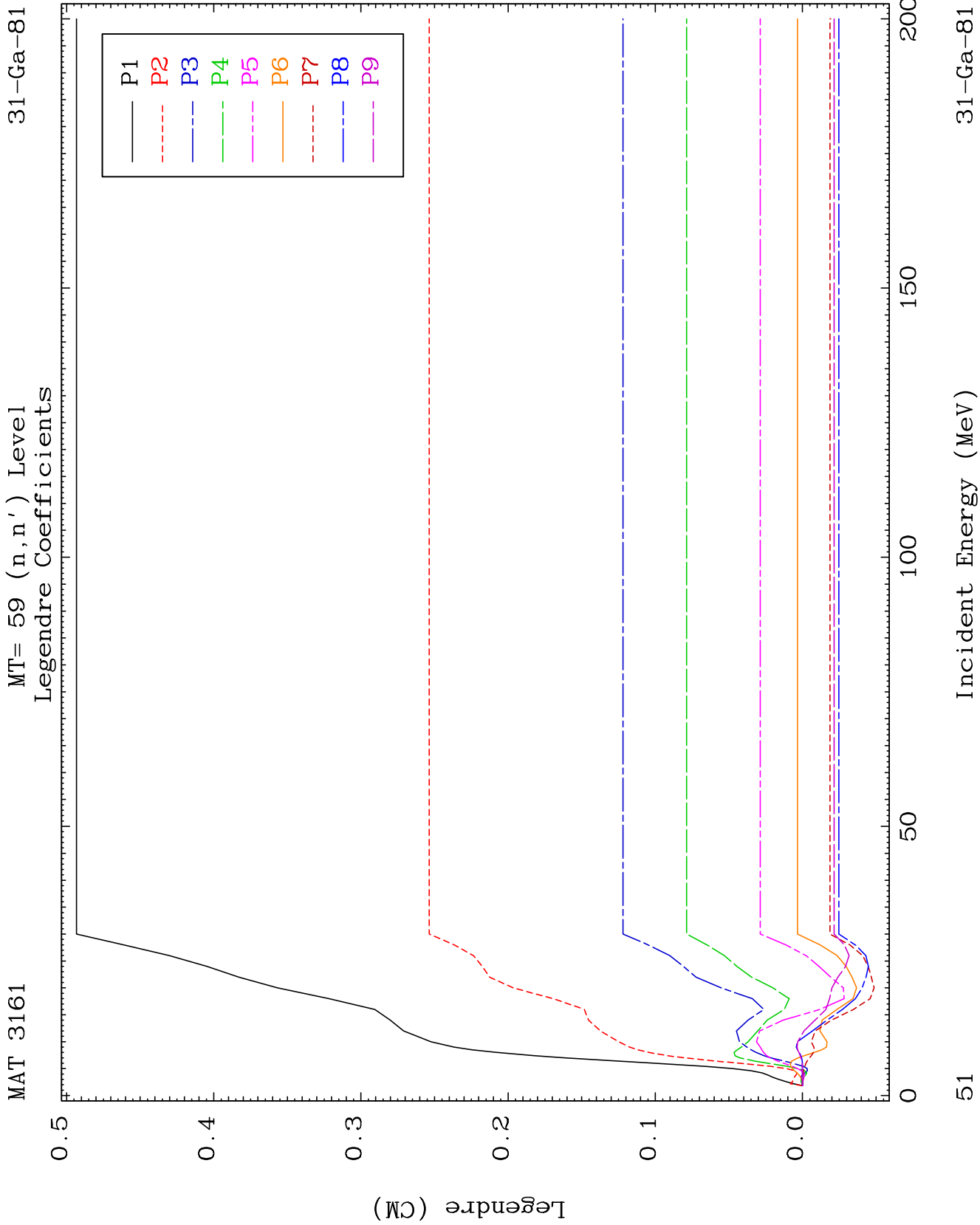
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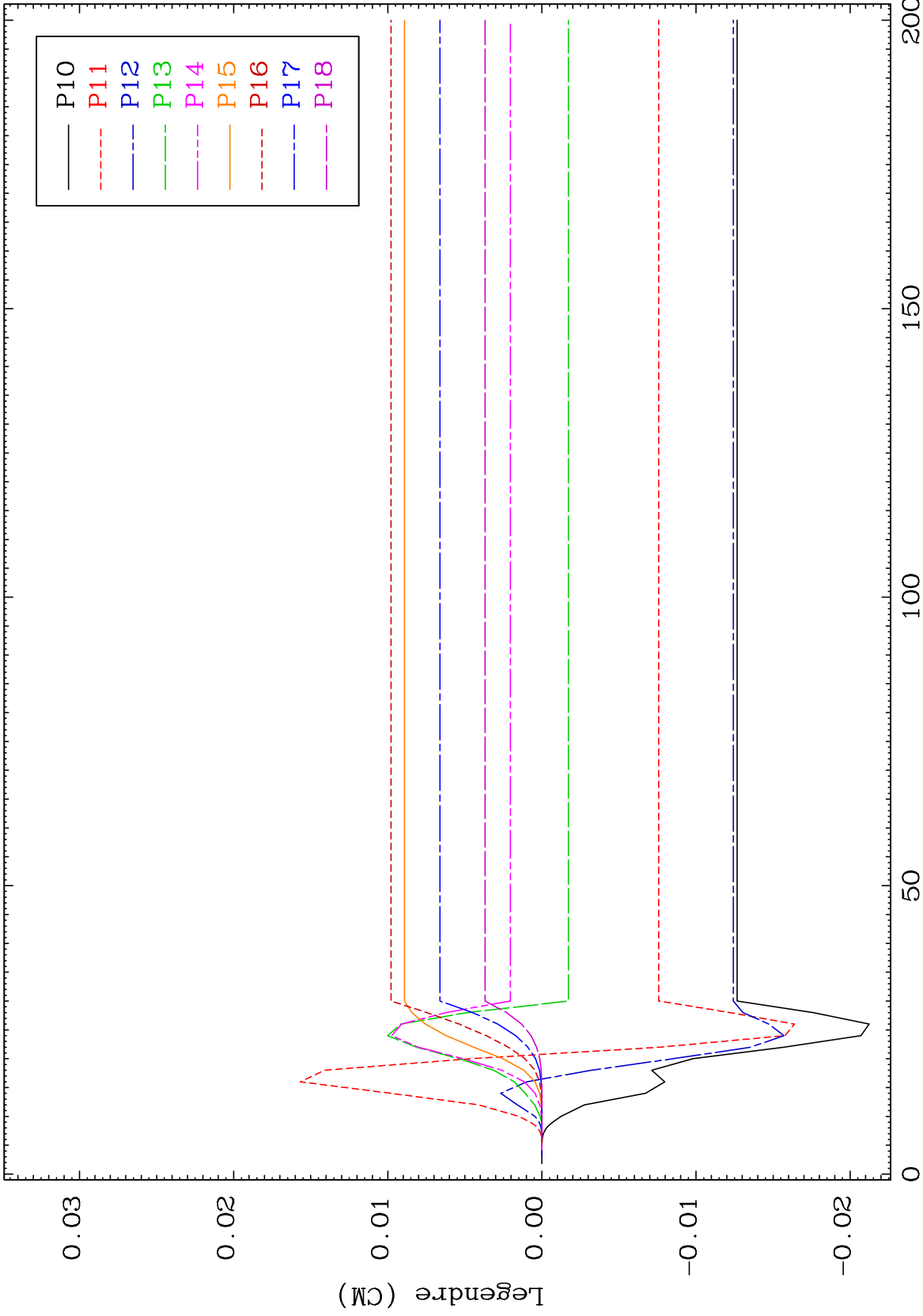
31-Ga-81



MAT 3161

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

31-Ga-81



52

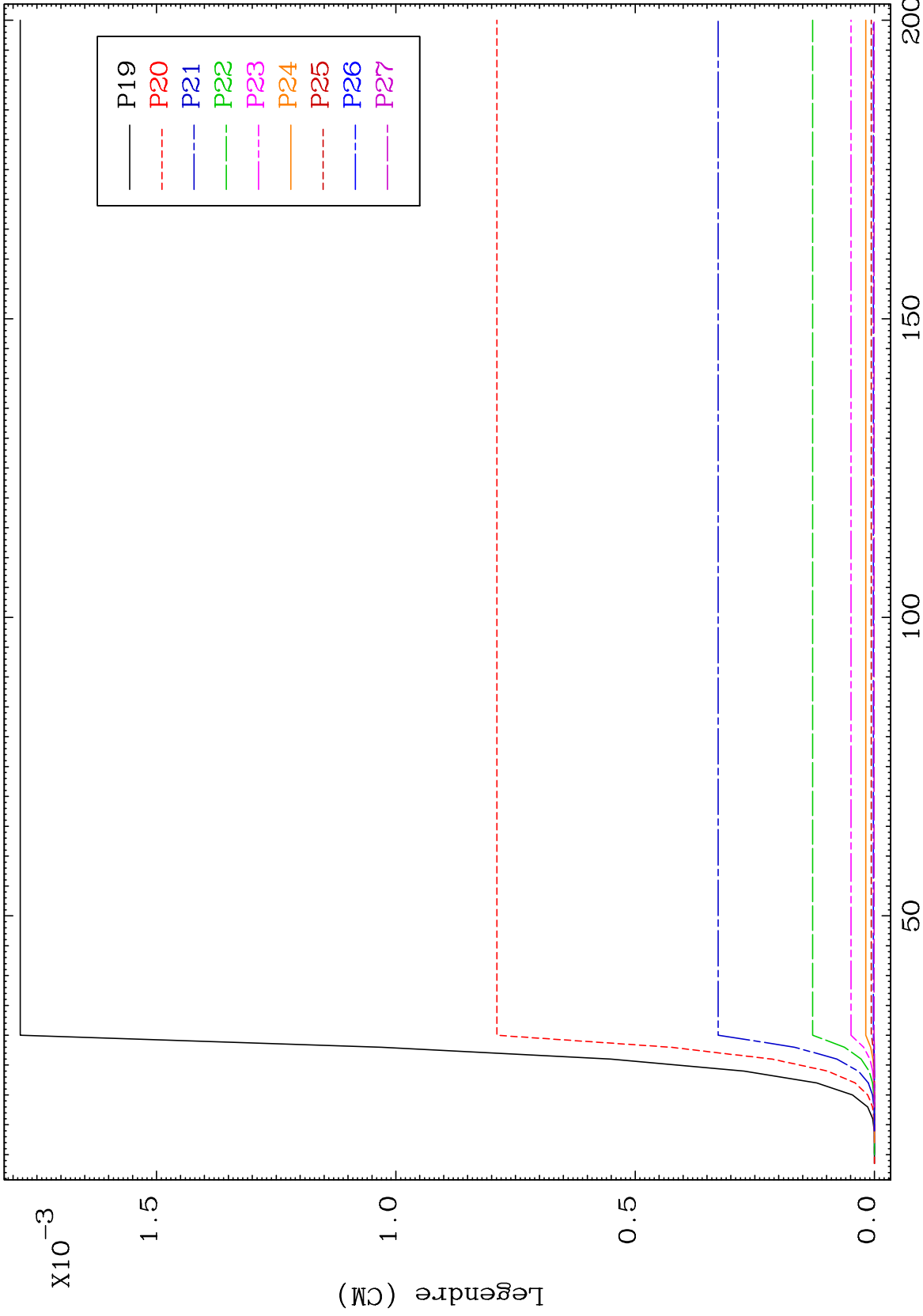
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

31-Ga-81

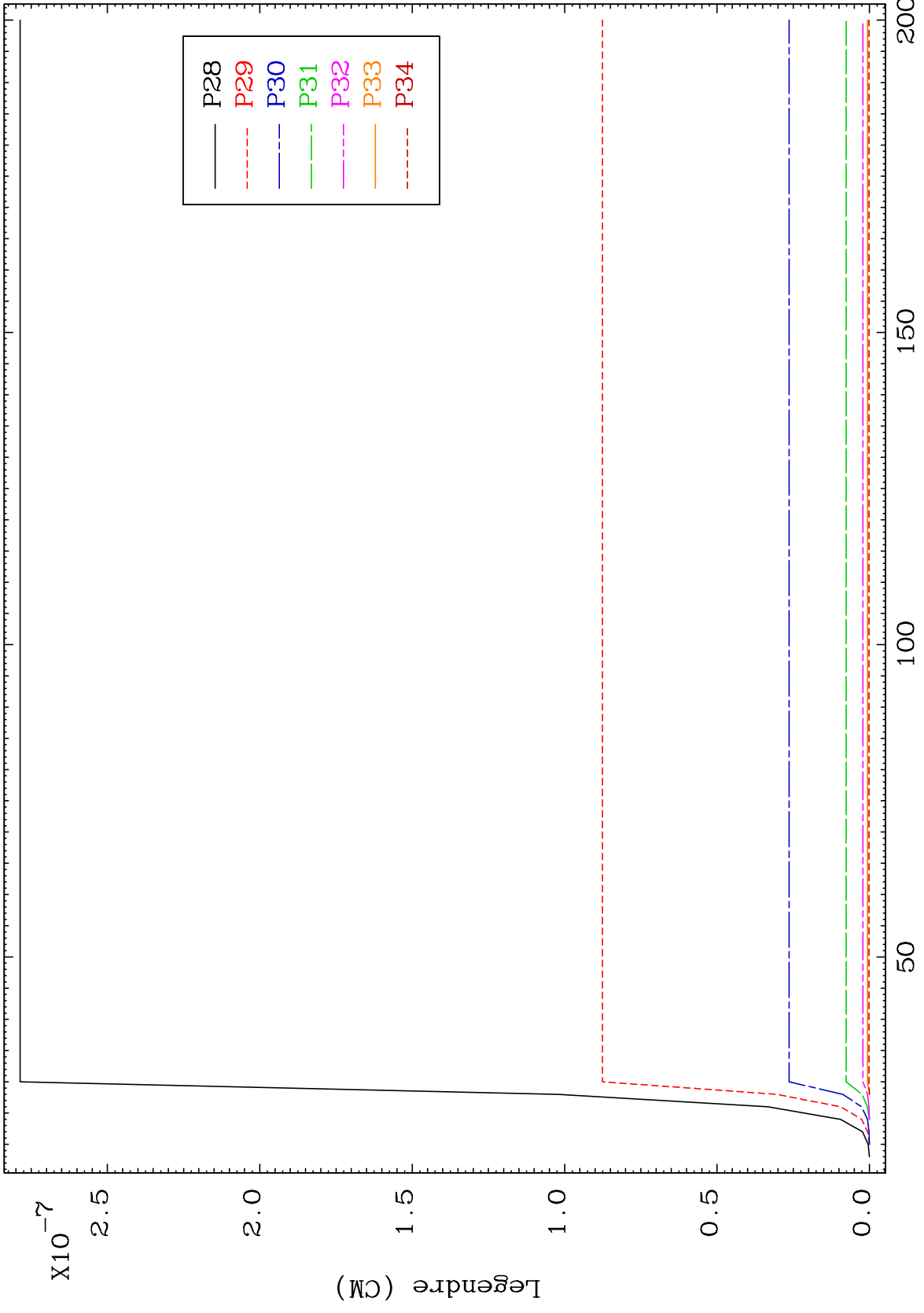


53

Incident Energy (MeV)

31-Ga-81

MAT 3161 MT= 59 (n,n') Level Legendre Coefficients 31-Ga-81

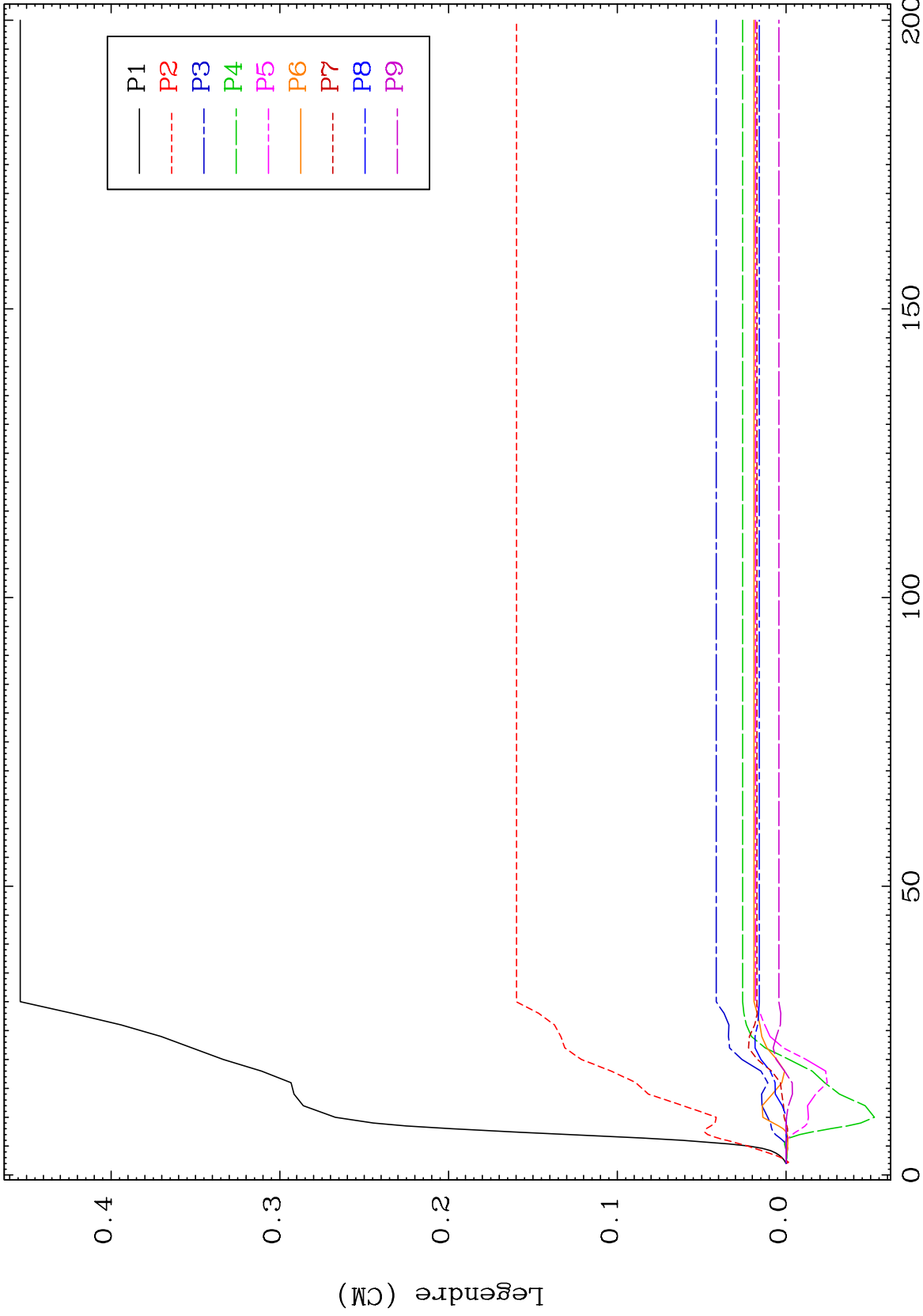


54 Incident Energy (MeV) 31-Ga-81

MAT 3161

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

31-Ga-81



55

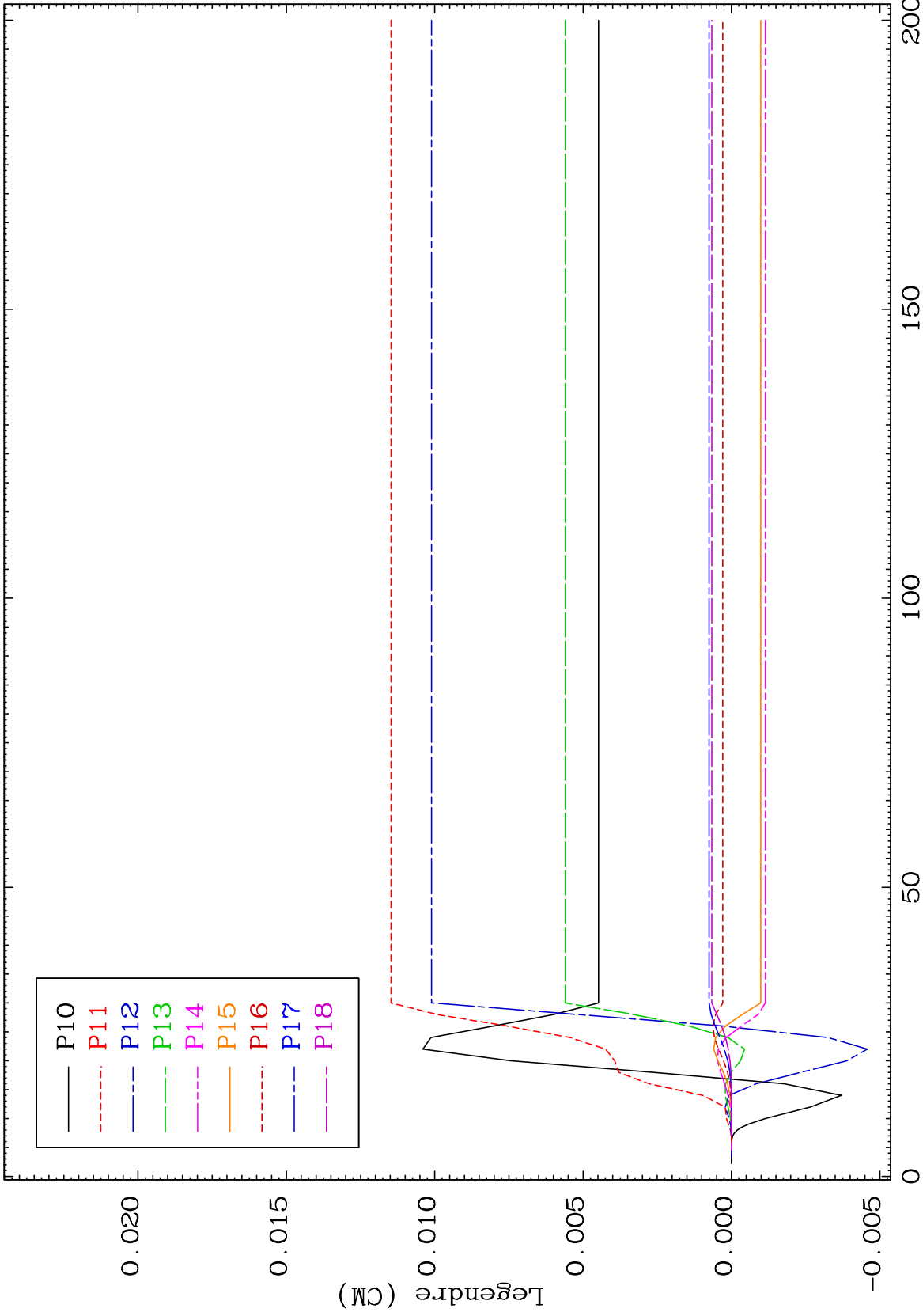
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

31-Ga-81



56

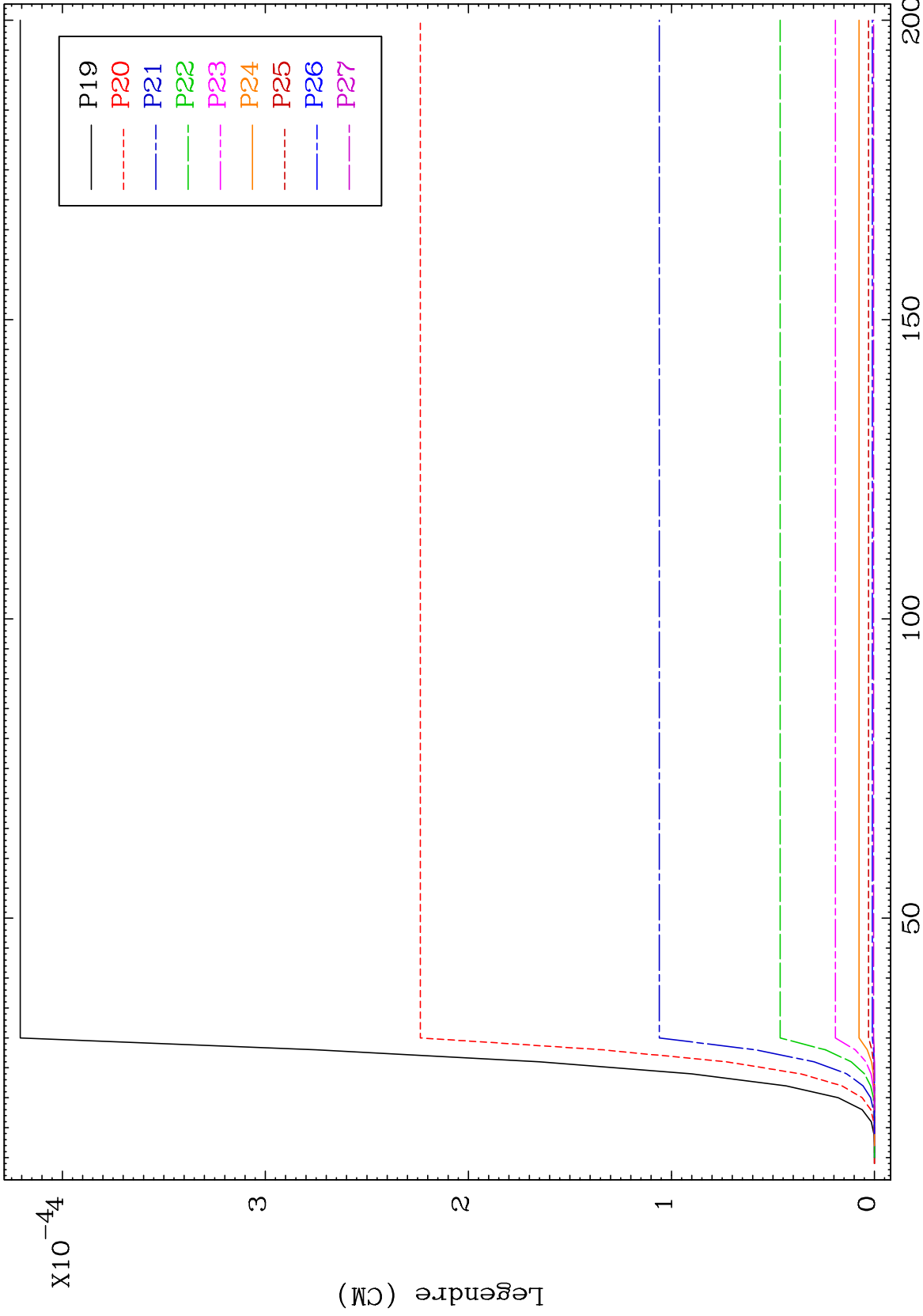
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

31-Ga-81



57

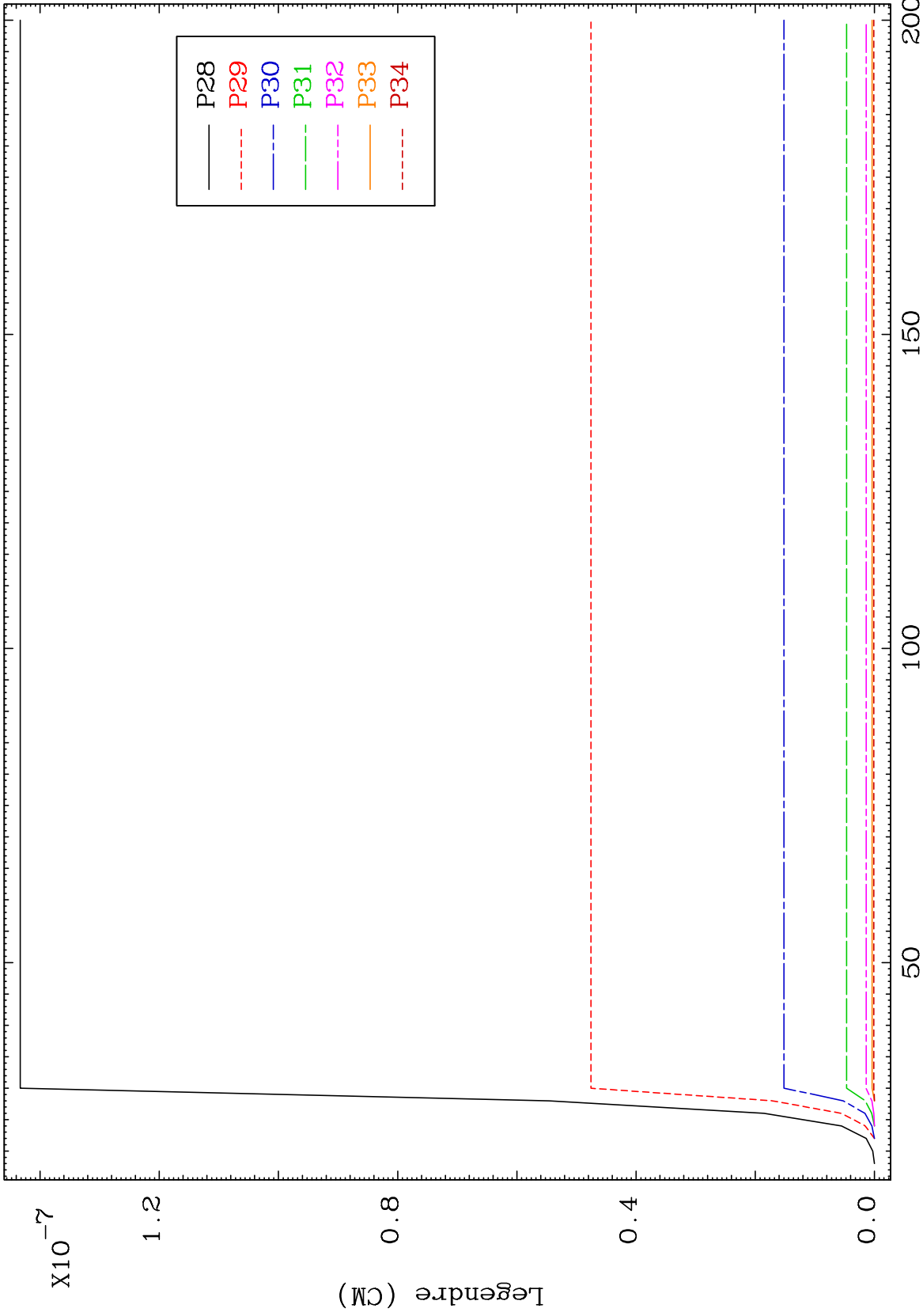
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

31-Ga-81



58

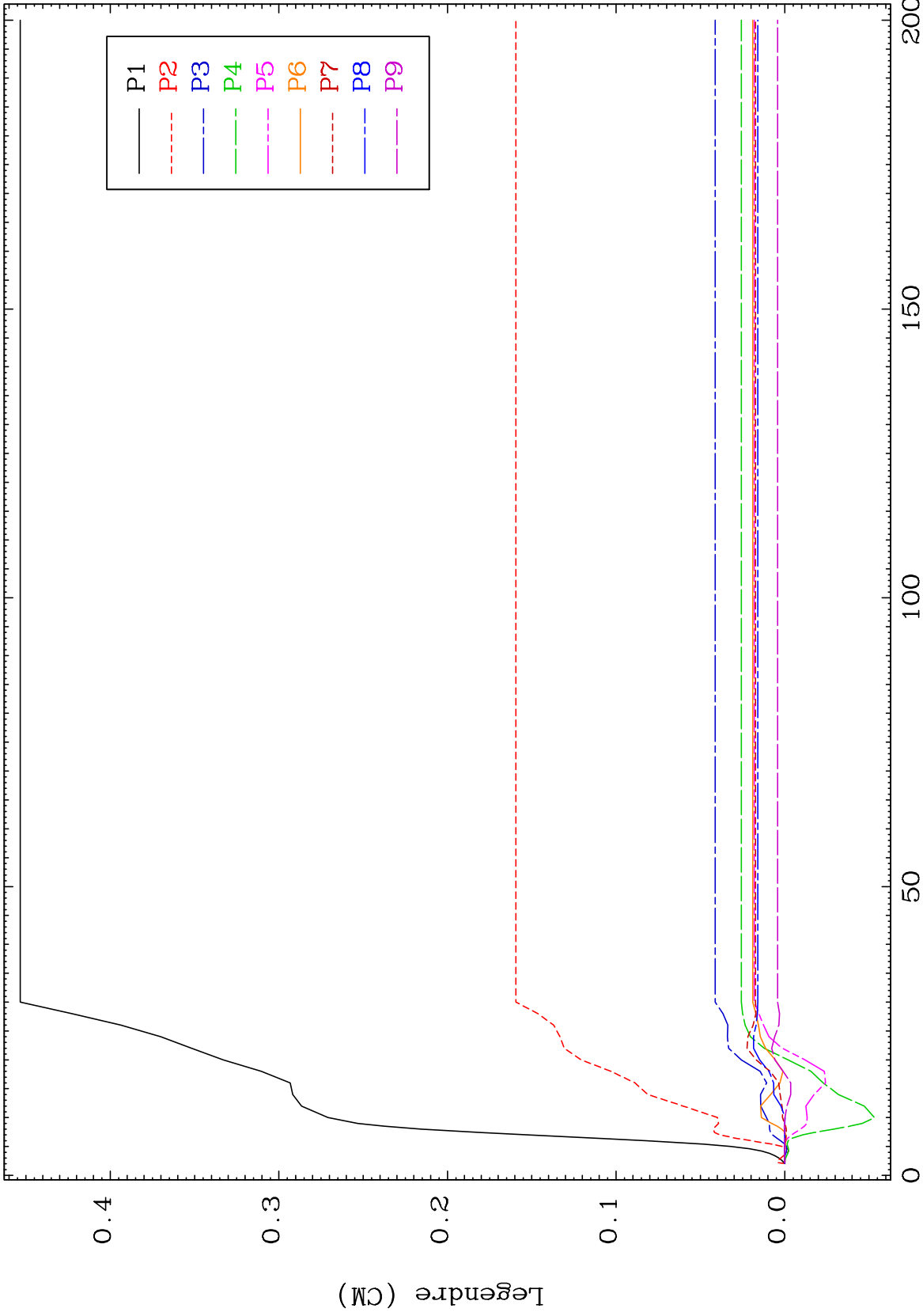
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

31-Ga-81



59

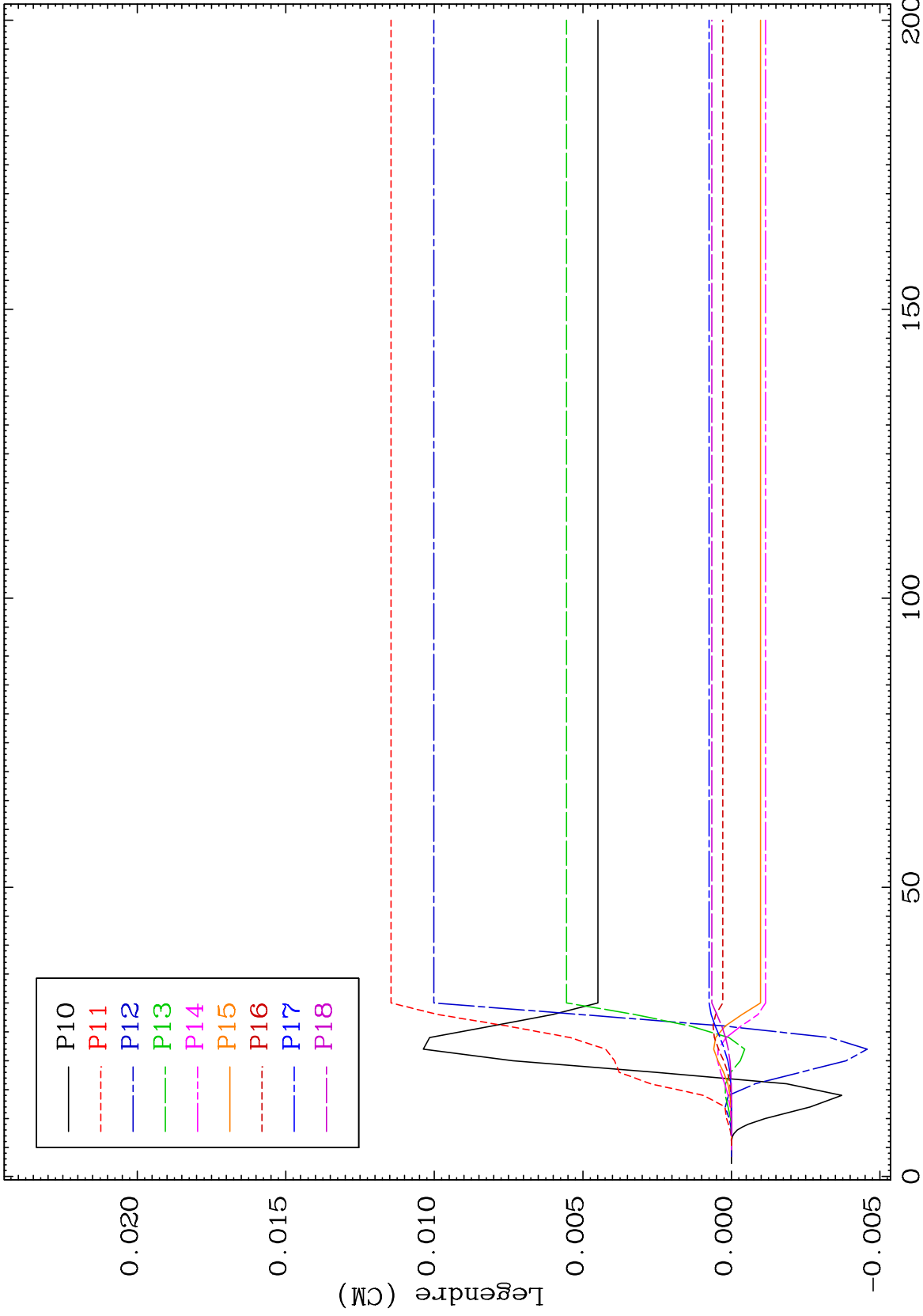
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

31-Ga-81



60

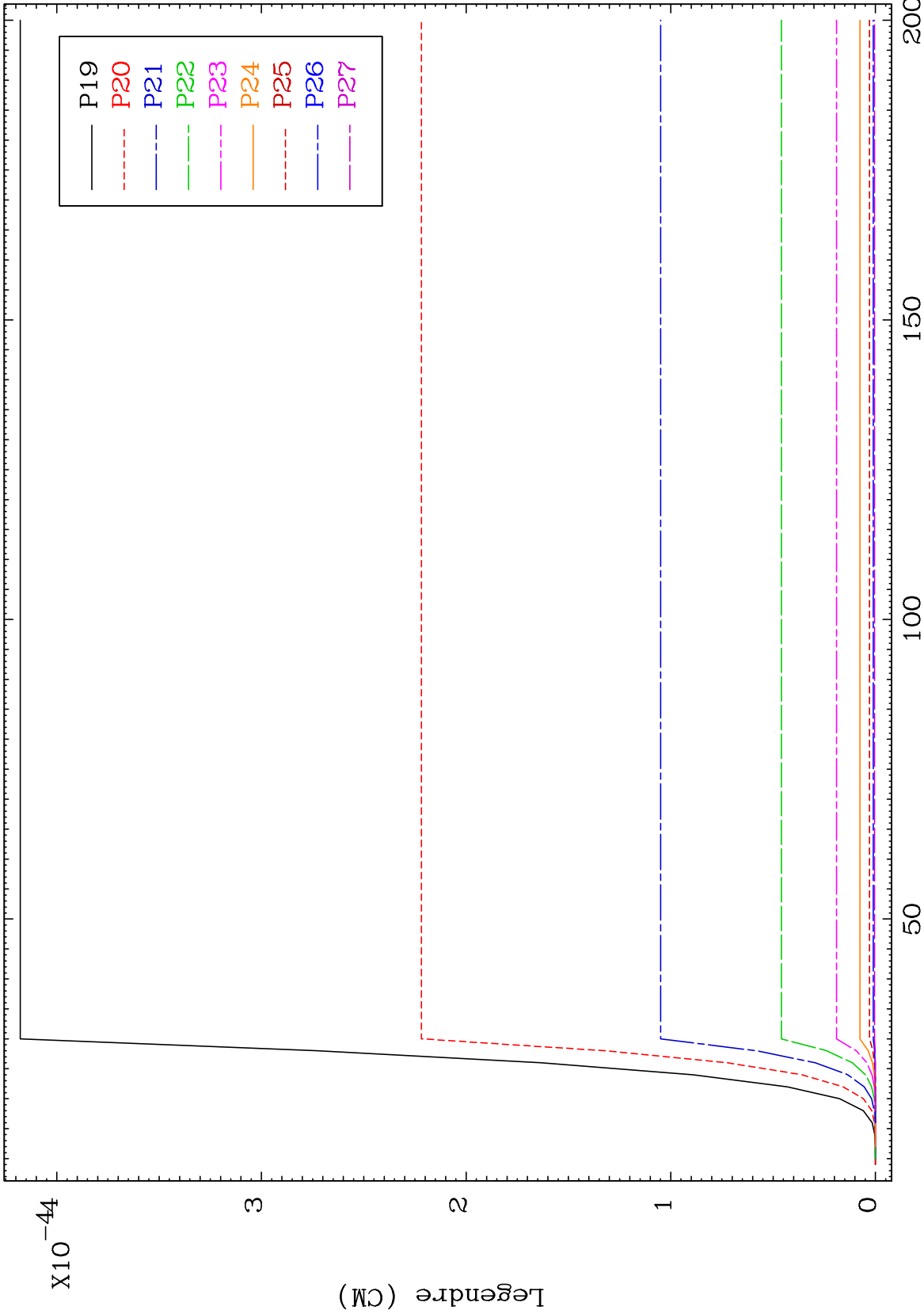
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

31-Ga-81



61

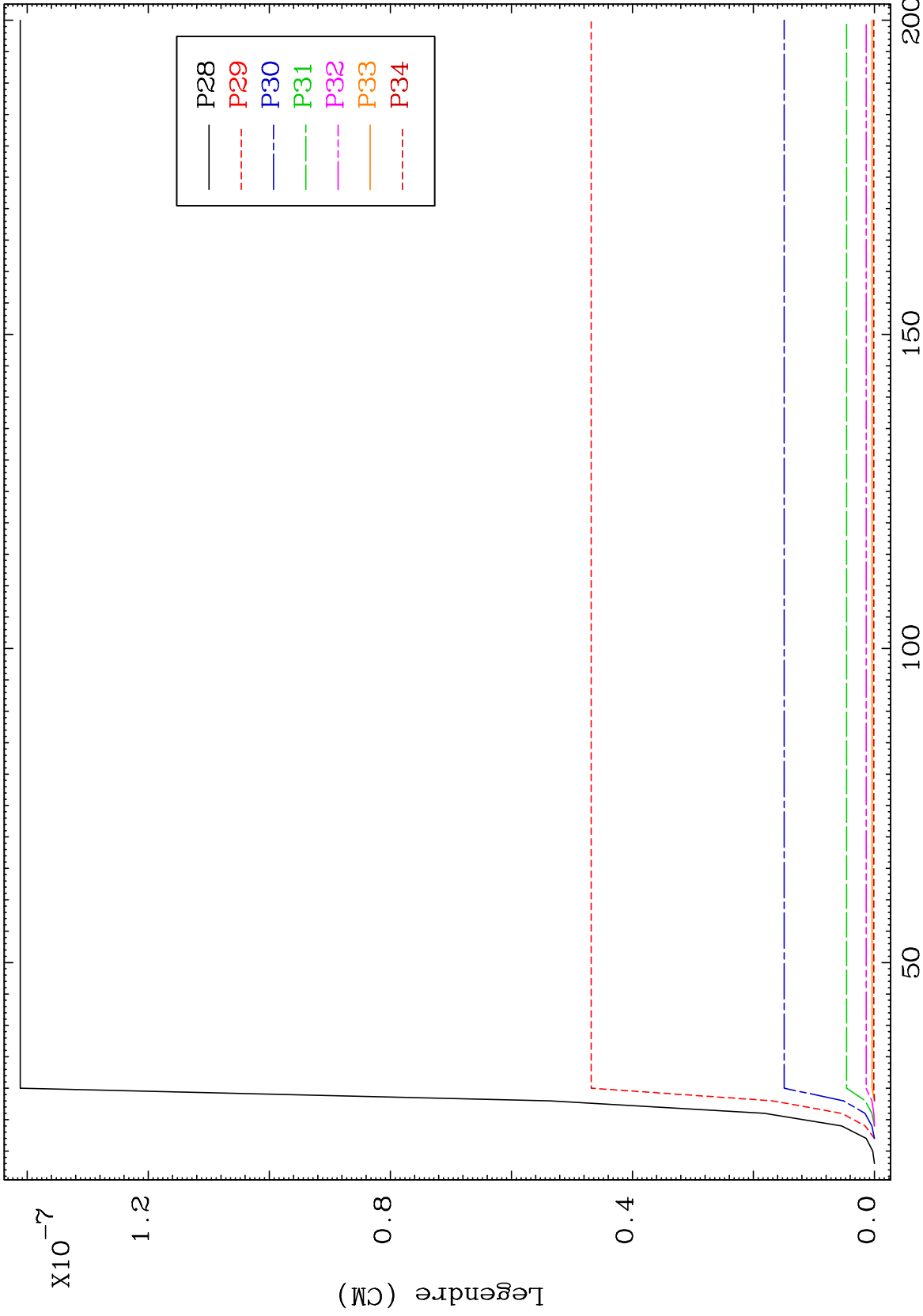
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

31-Ga-81

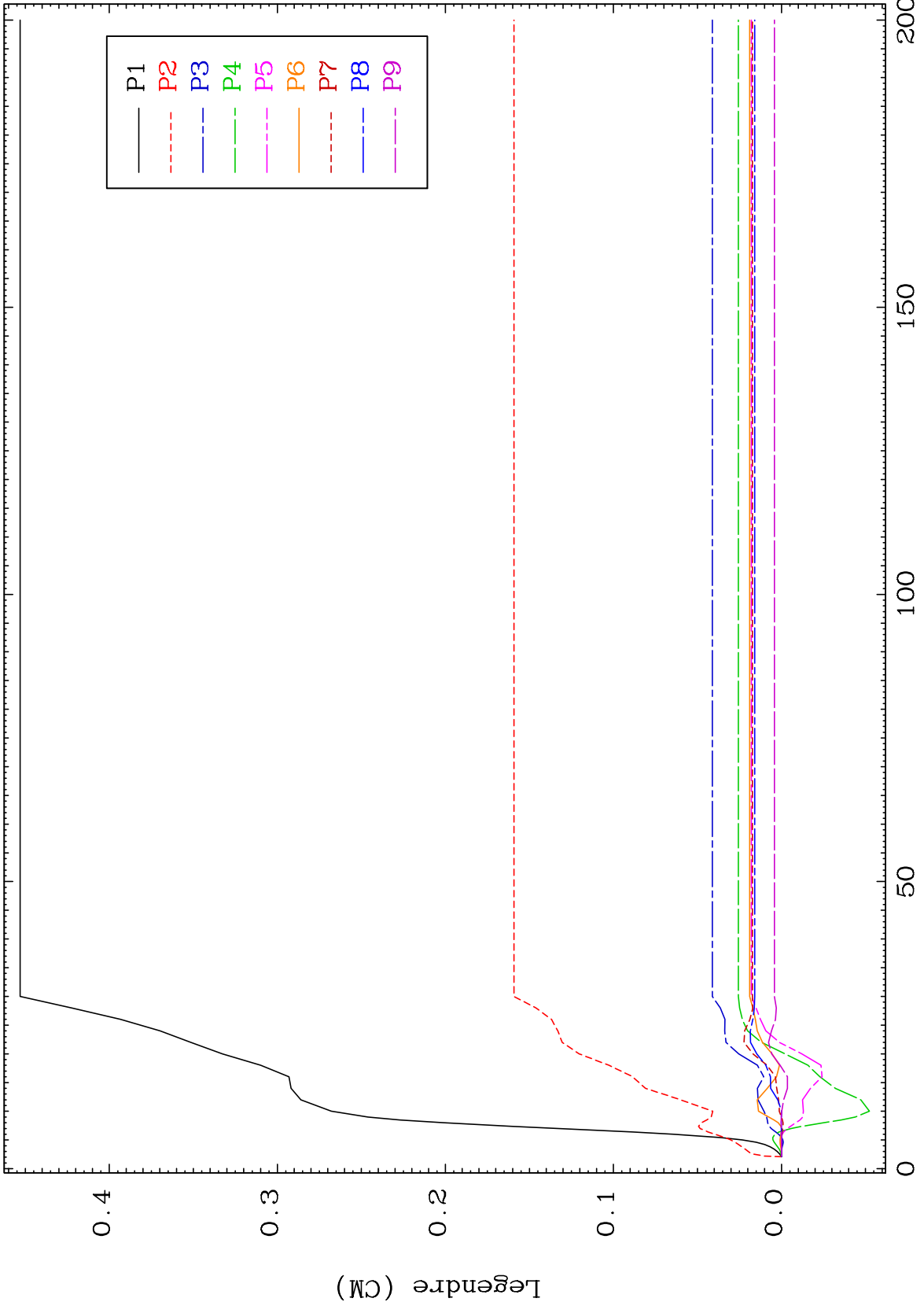


62

Incident Energy (MeV)

31-Ga-81

MAT 3161 MT= 62 (n,n') Level Legendre Coefficients 31-Ga-81

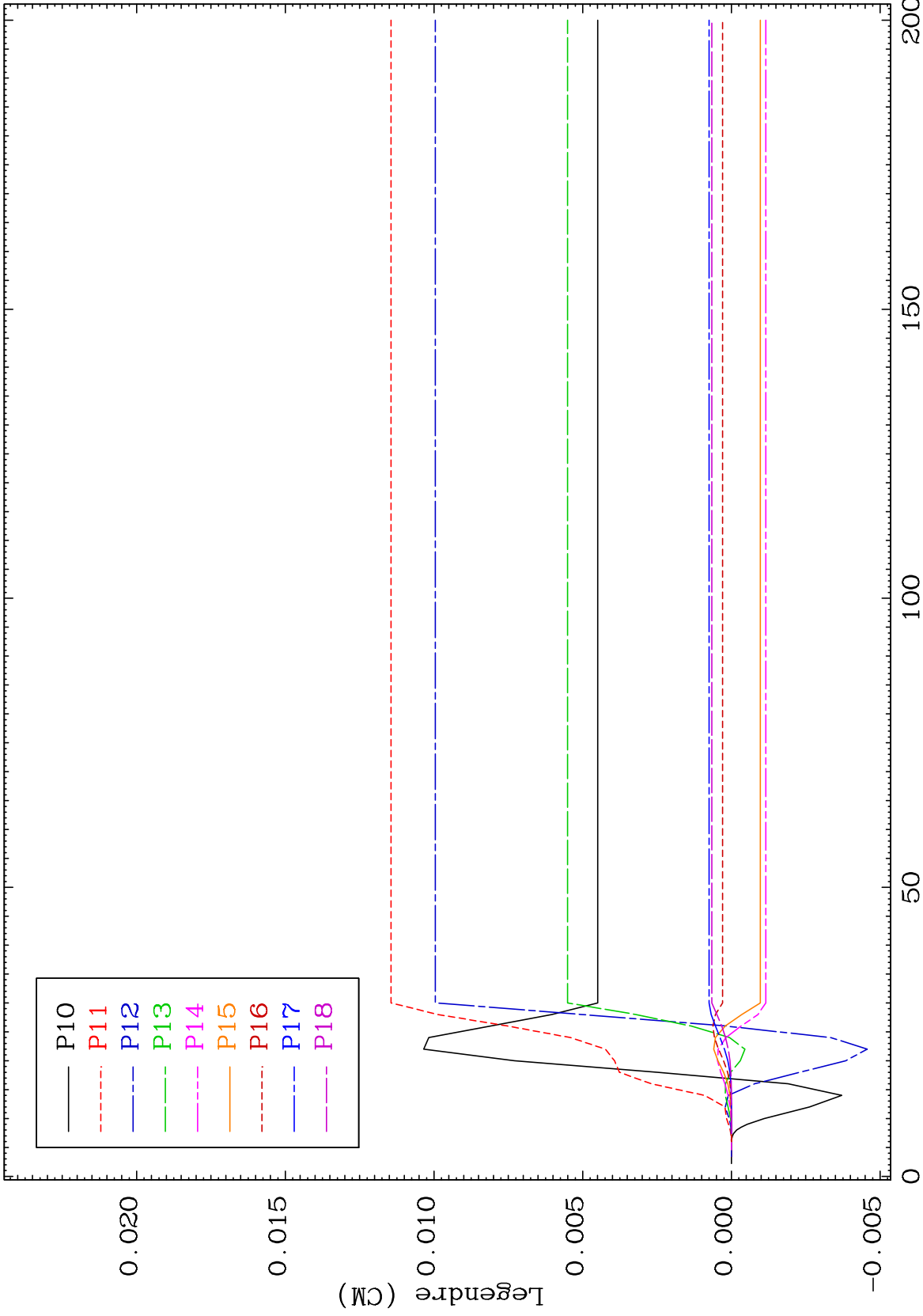


63 31-Ga-81

MAT 3161

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

31-Ga-81



64

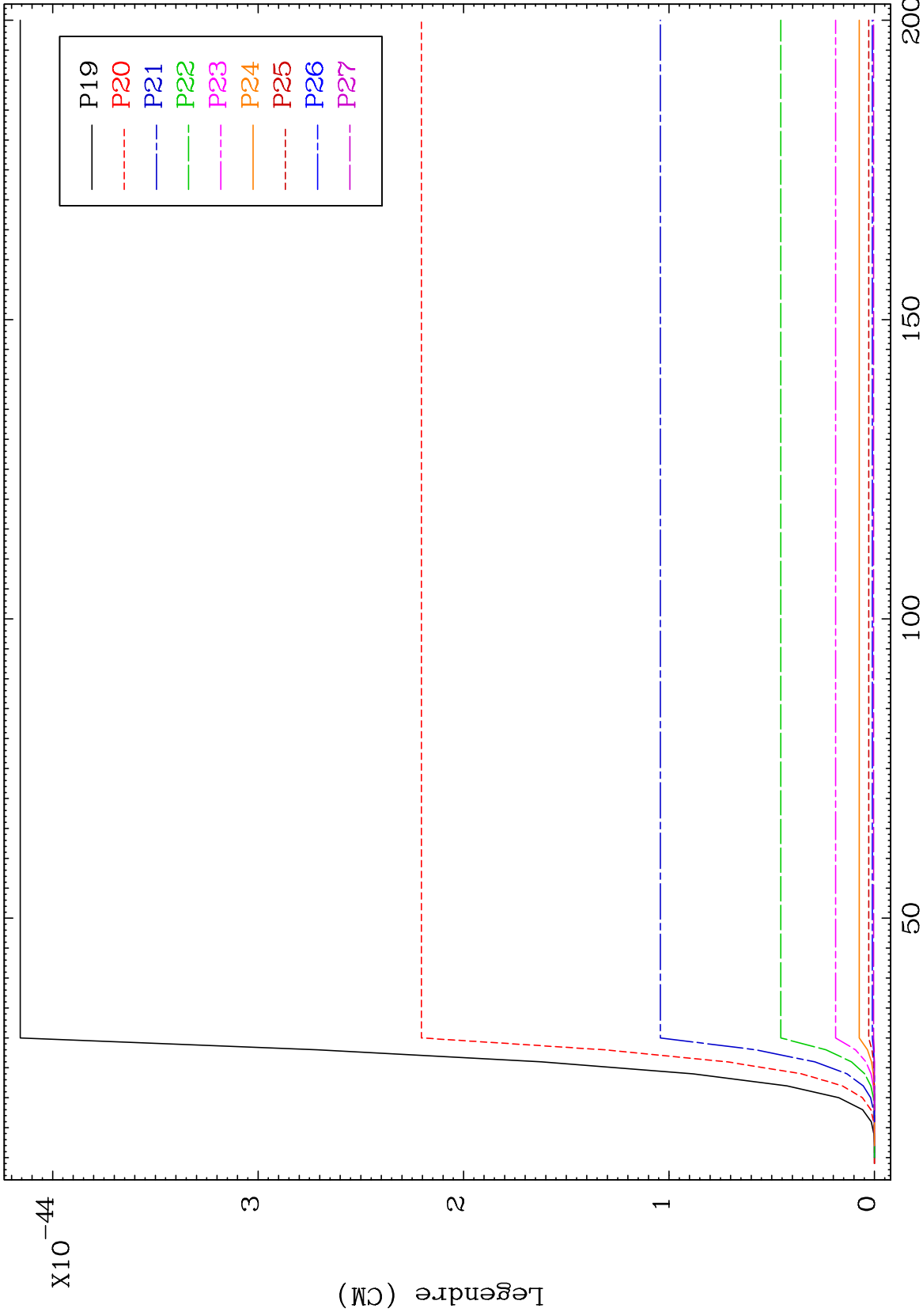
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

31-Ga-81



65

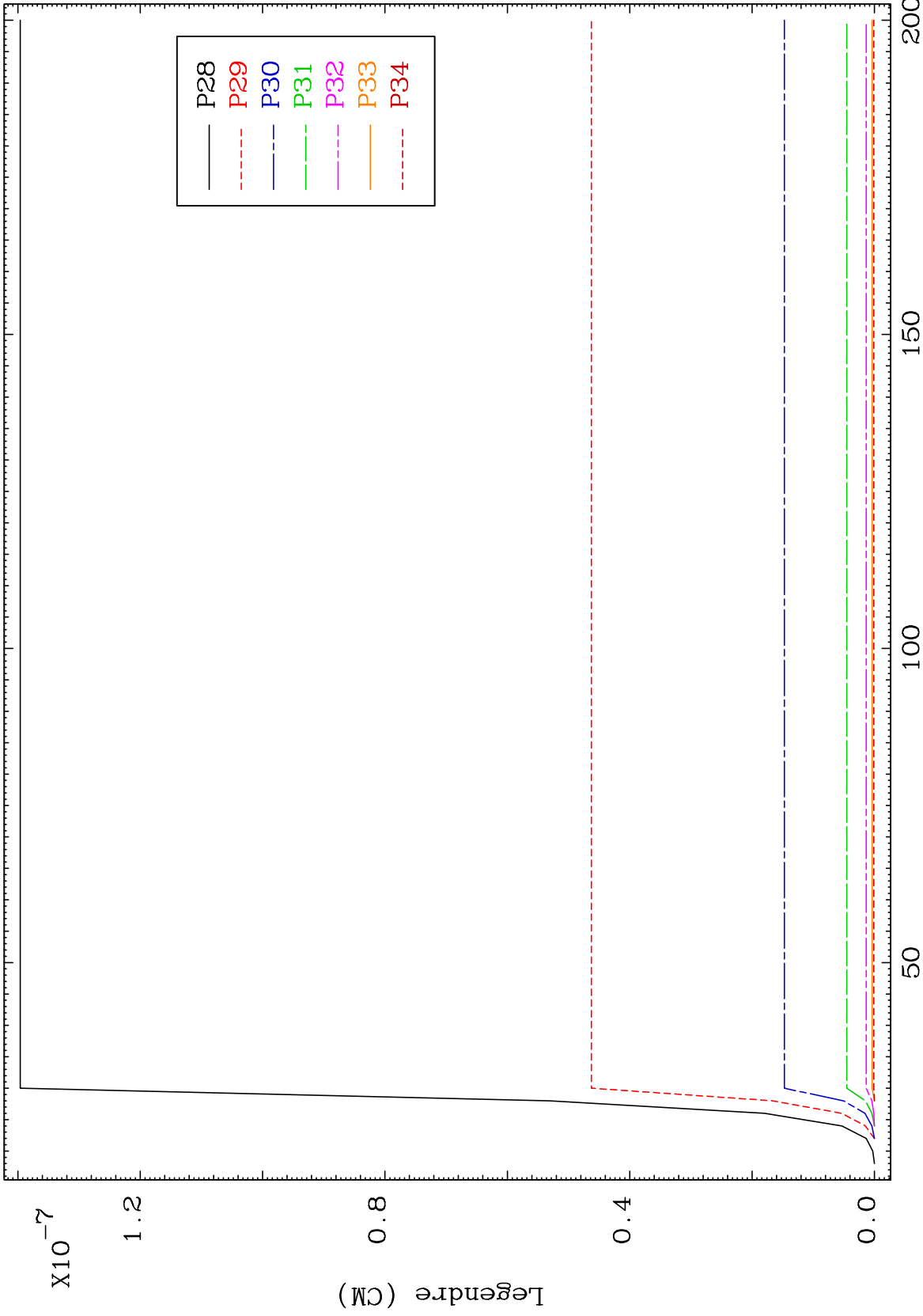
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

31-Ga-81

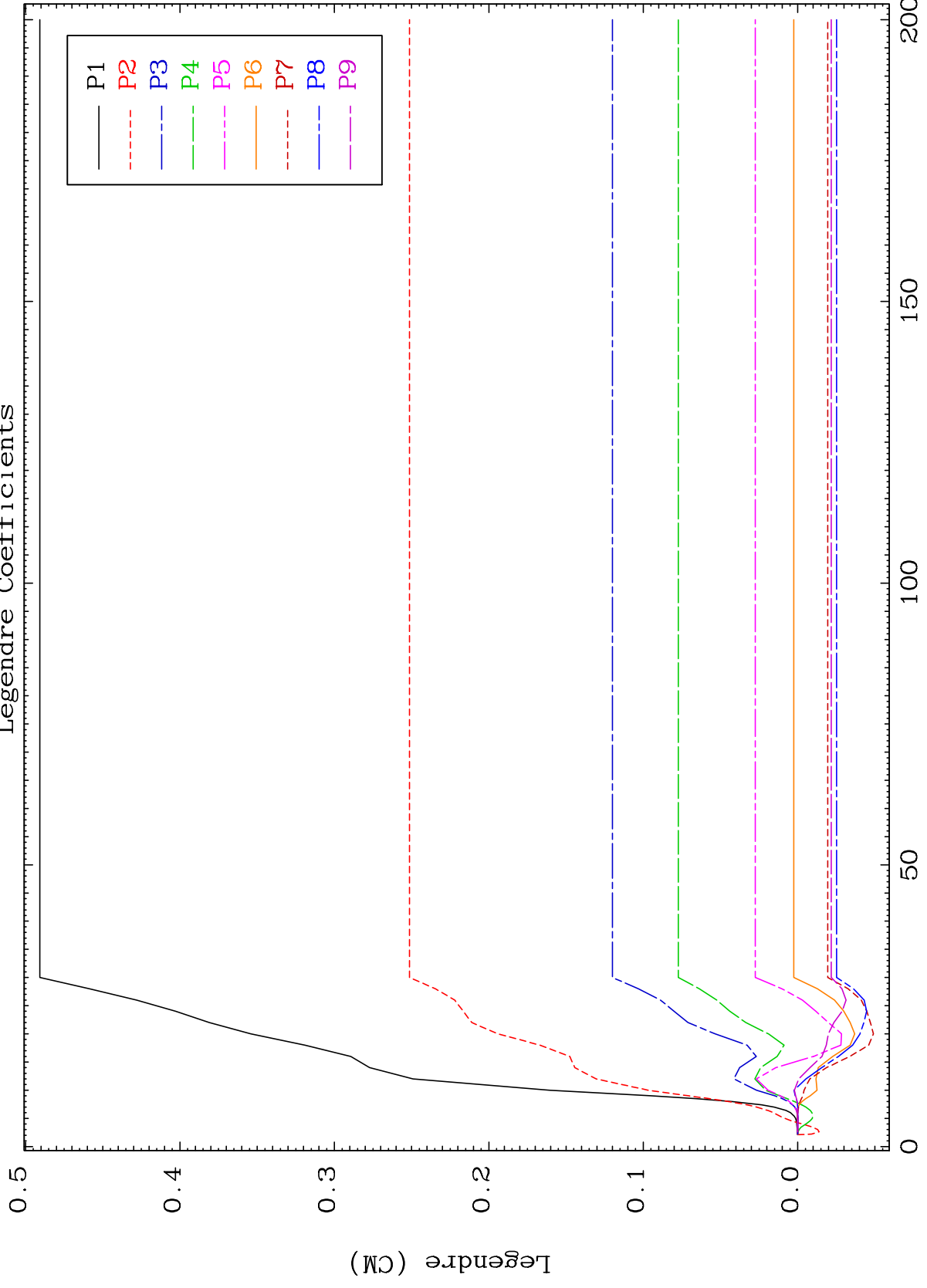


66

Incident Energy (MeV)

31-Ga-81

MAT 3161 MT= 63 (n,n') Level Legendre Coefficients 31-Ga-81

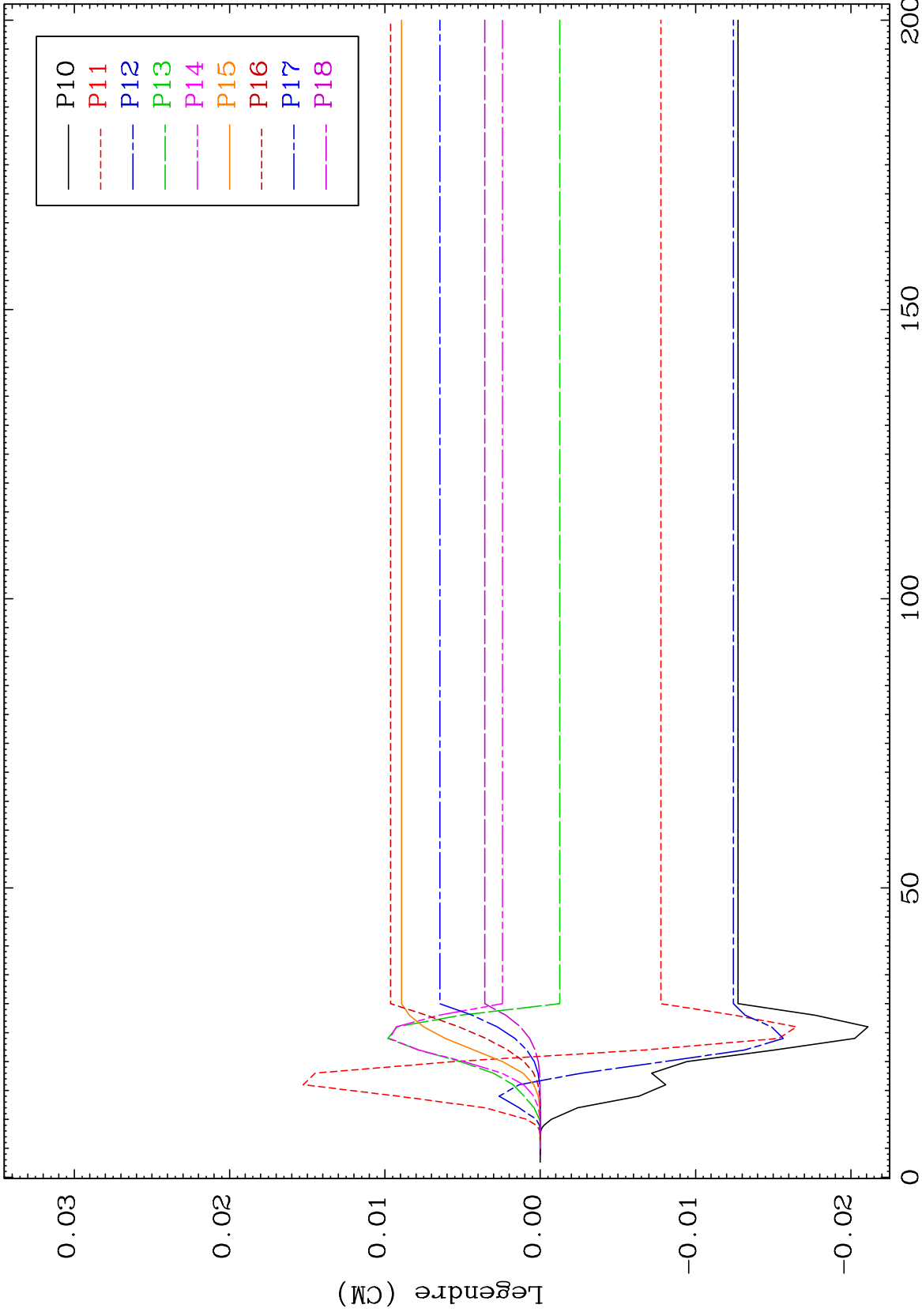


67 31-Ga-81

MAT 3161

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

31-Ga-81



68

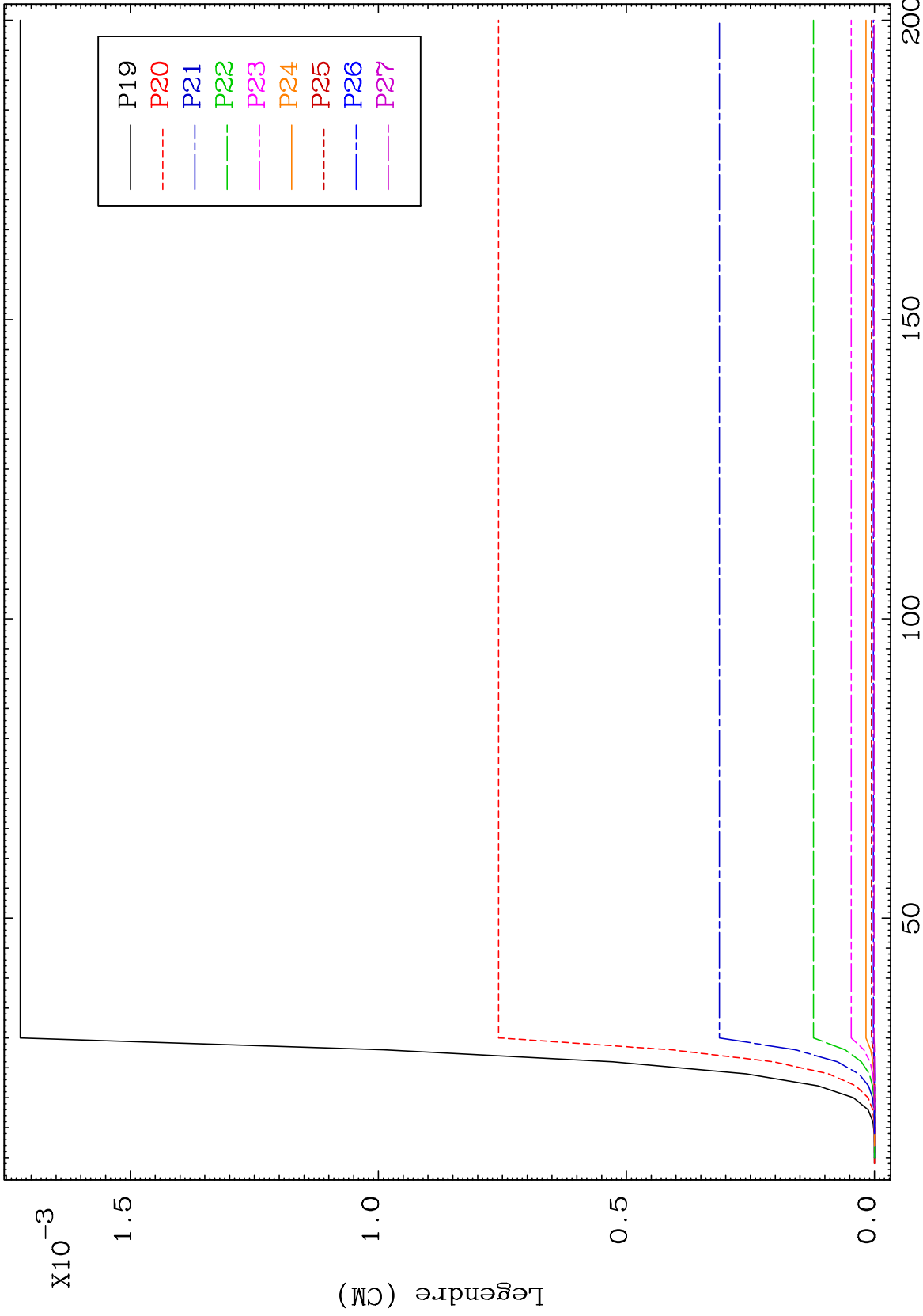
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

31-Ga-81



69

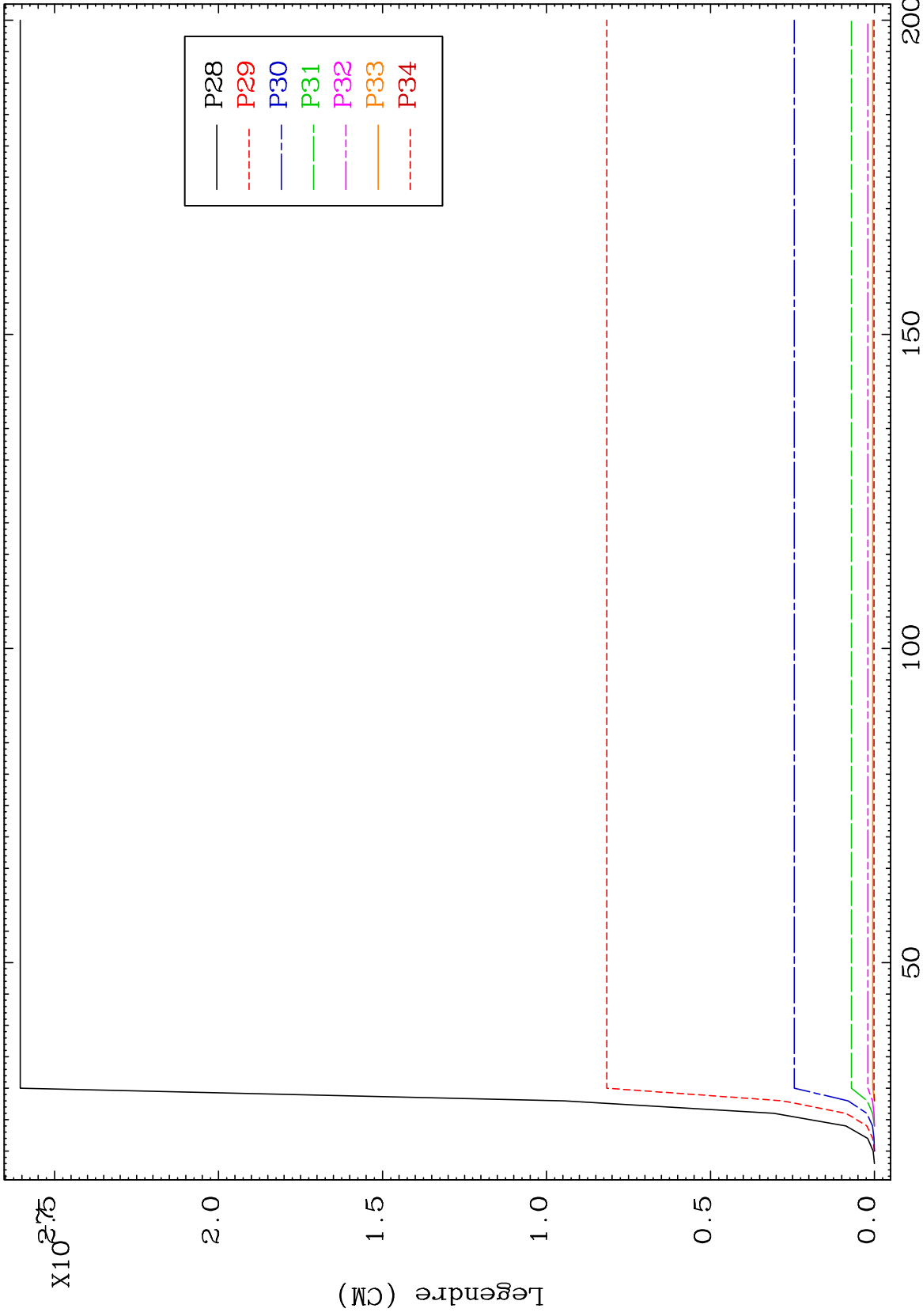
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

31-Ga-81



70

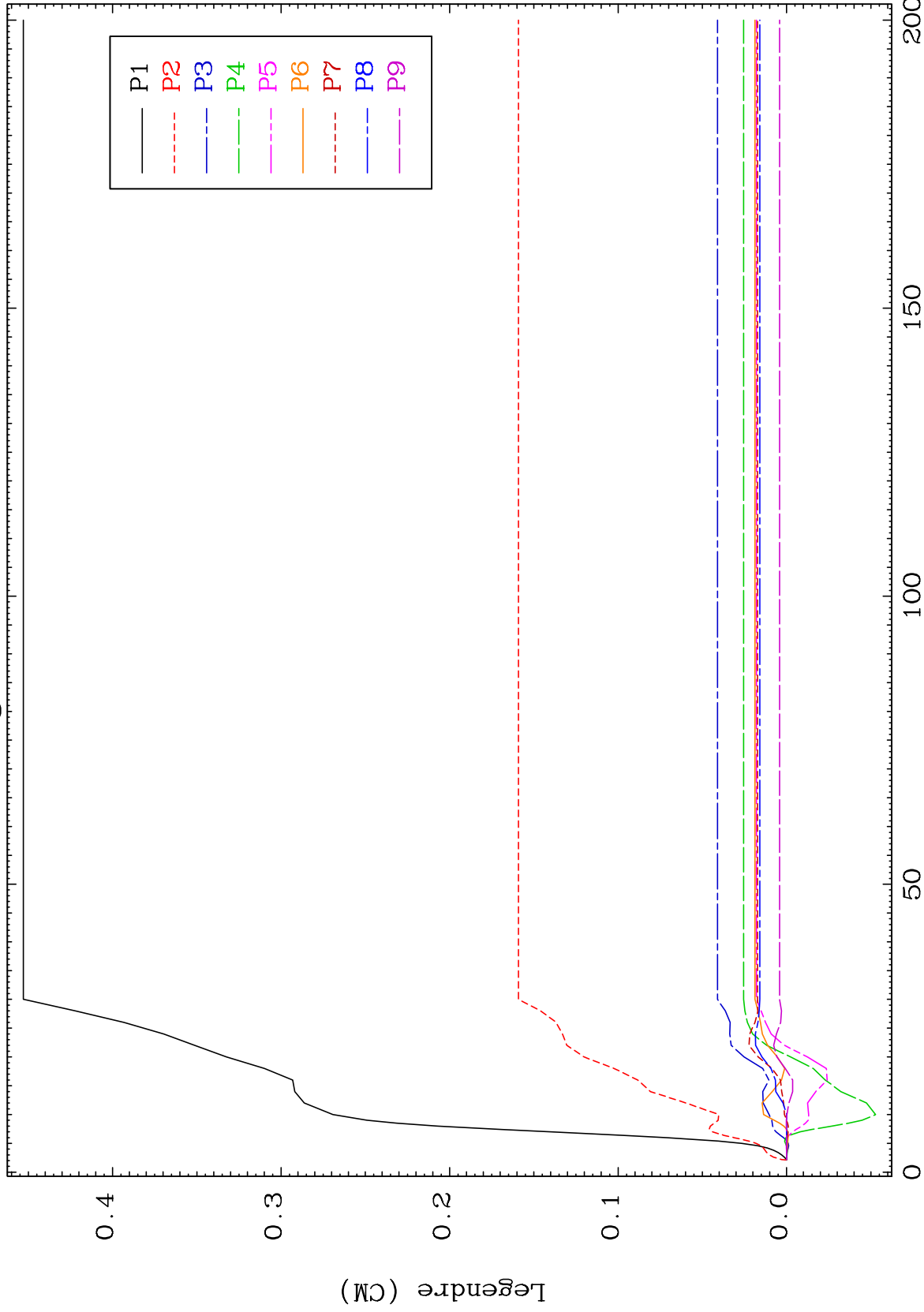
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

31-Ga-81



71

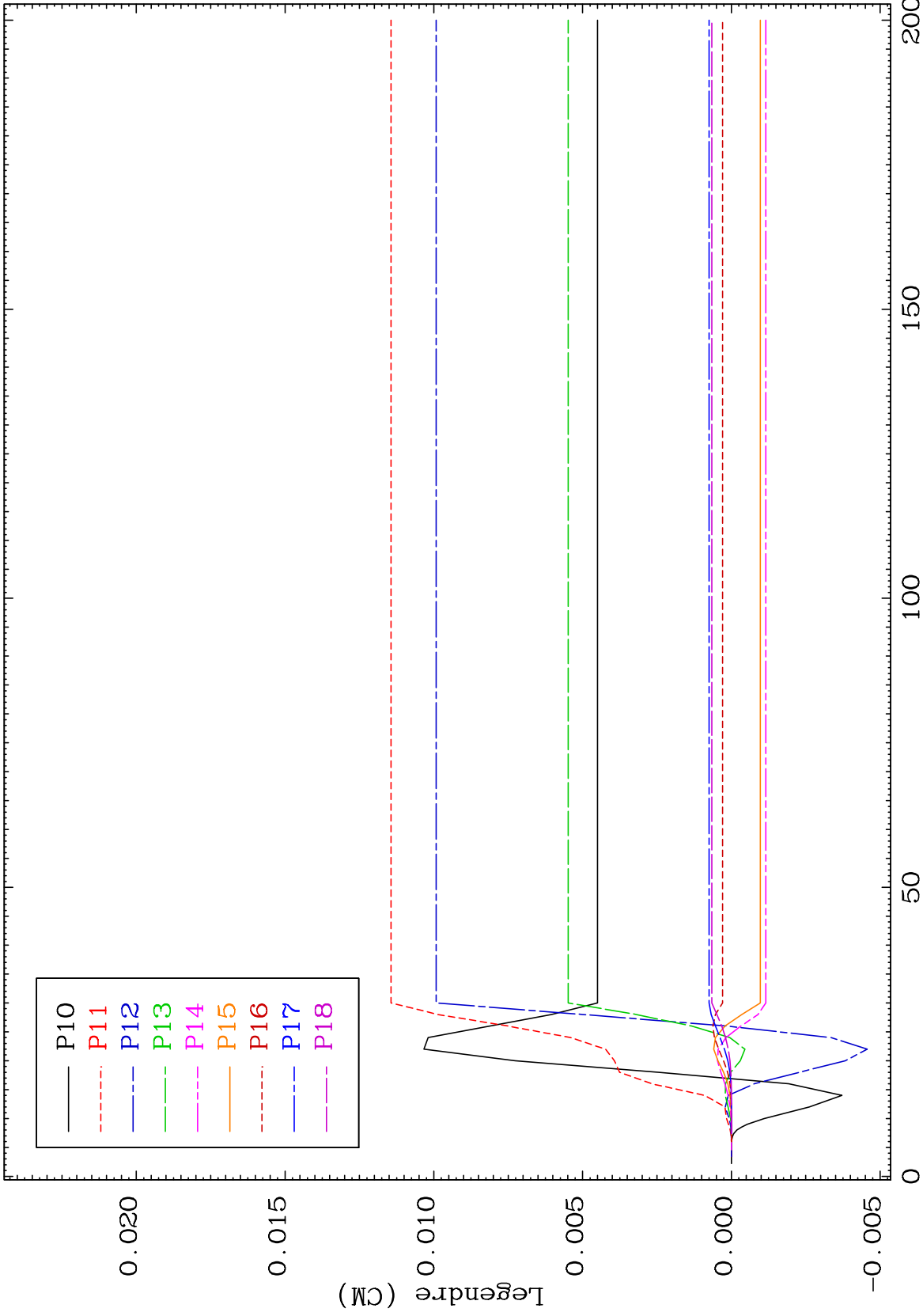
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

31-Ga-81



72

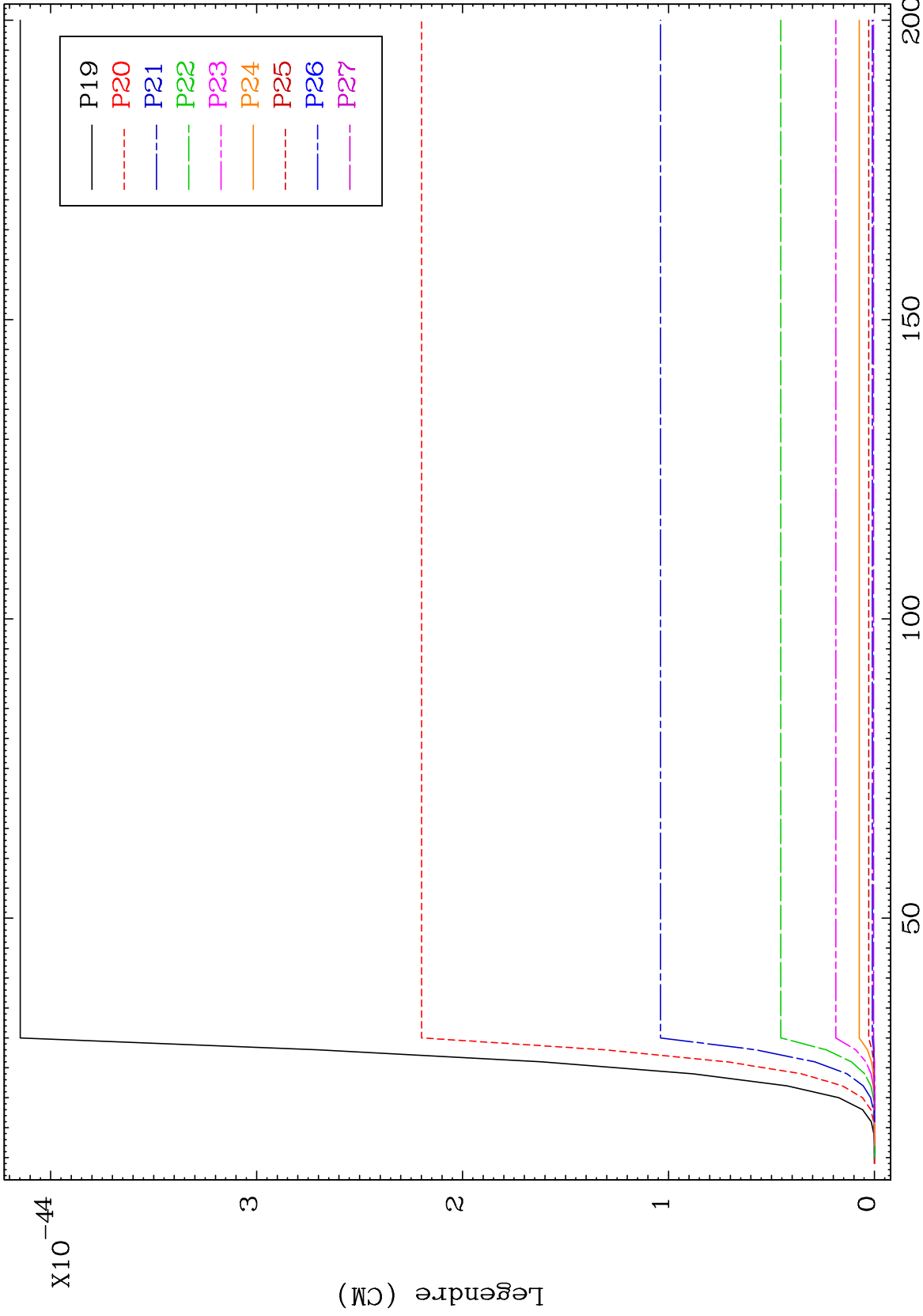
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

31-Ga-81



73

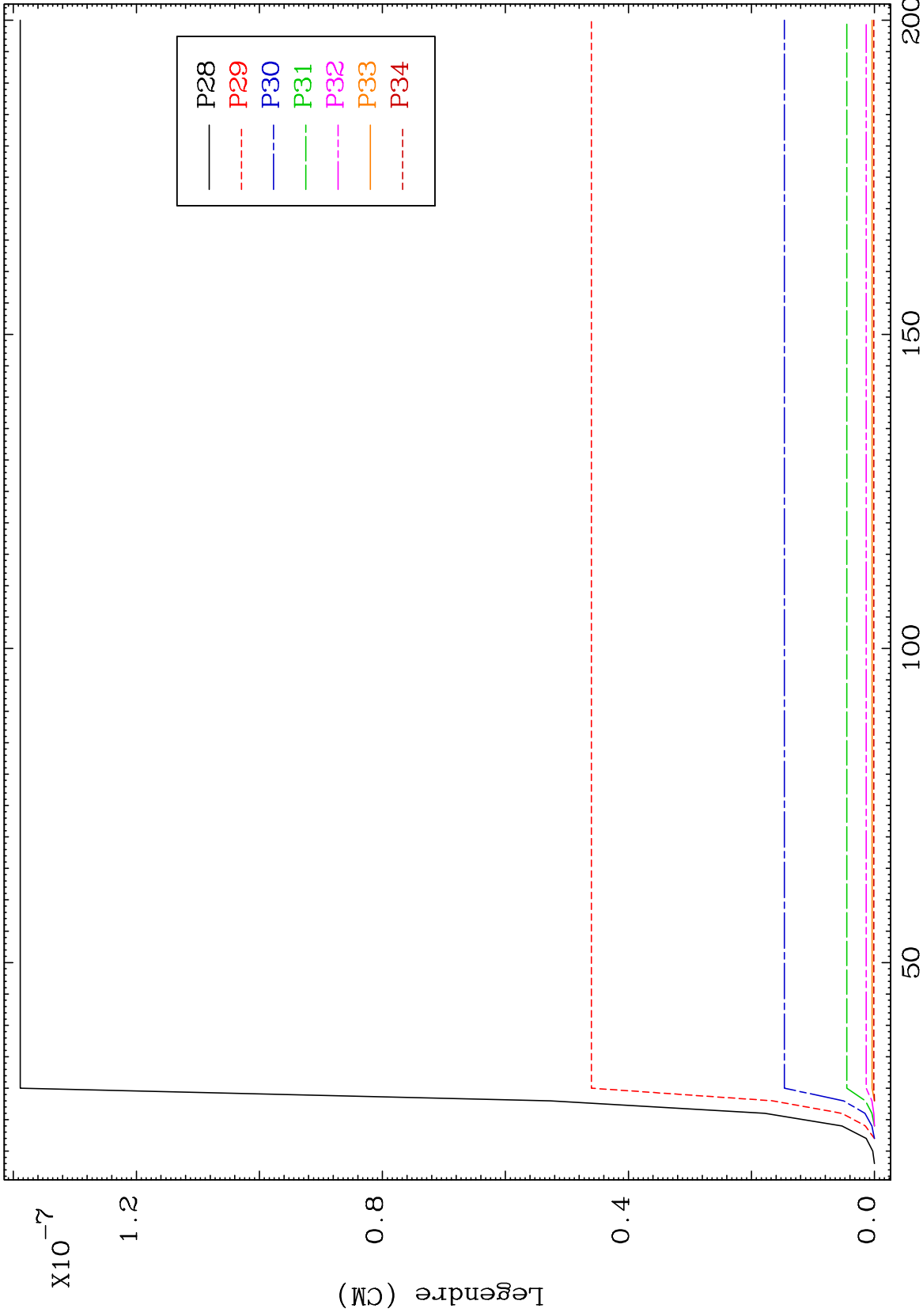
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

31-Ga-81



74

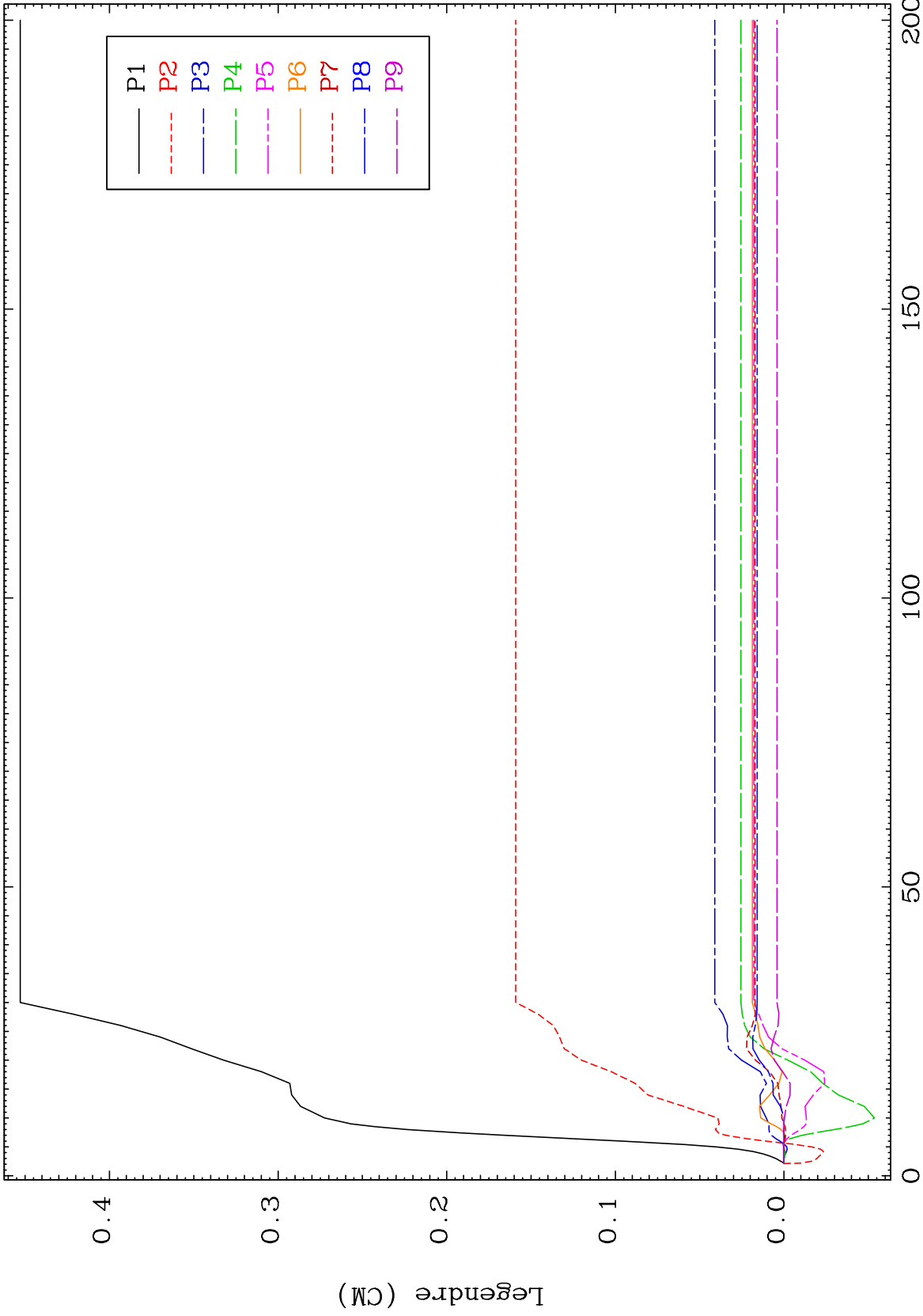
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

31-Ga-81



75

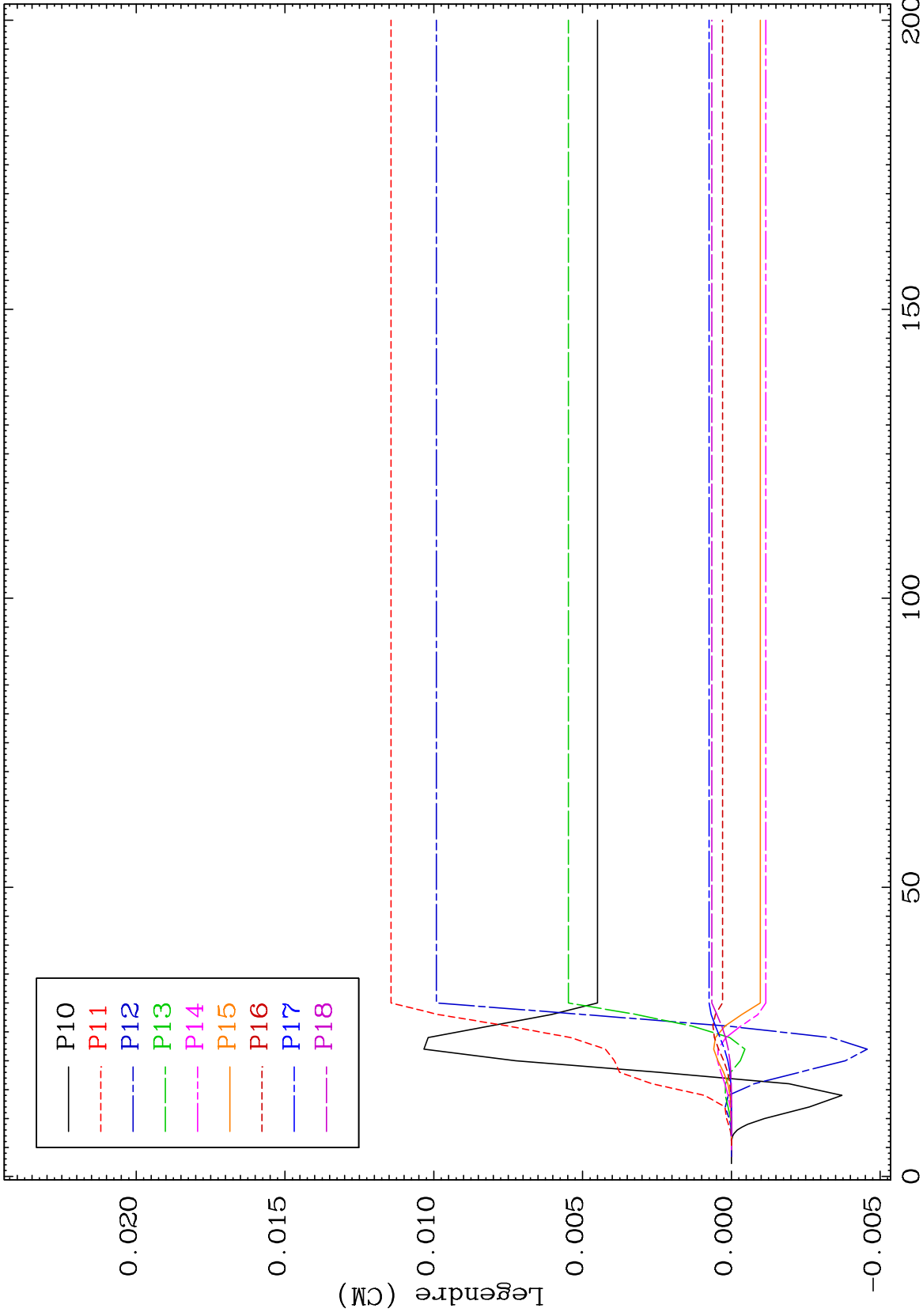
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

31-Ga-81



76

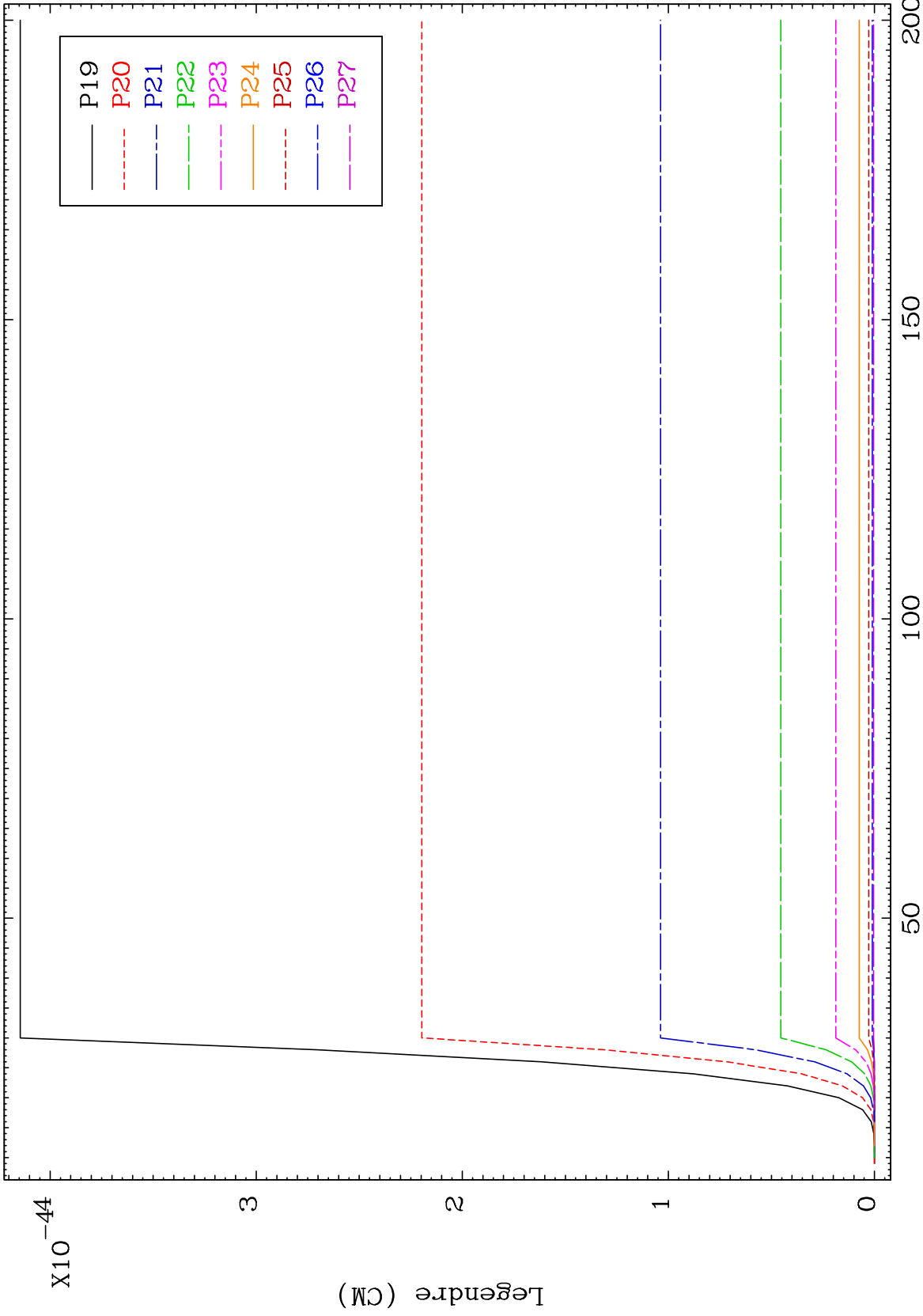
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

31-Ga-81



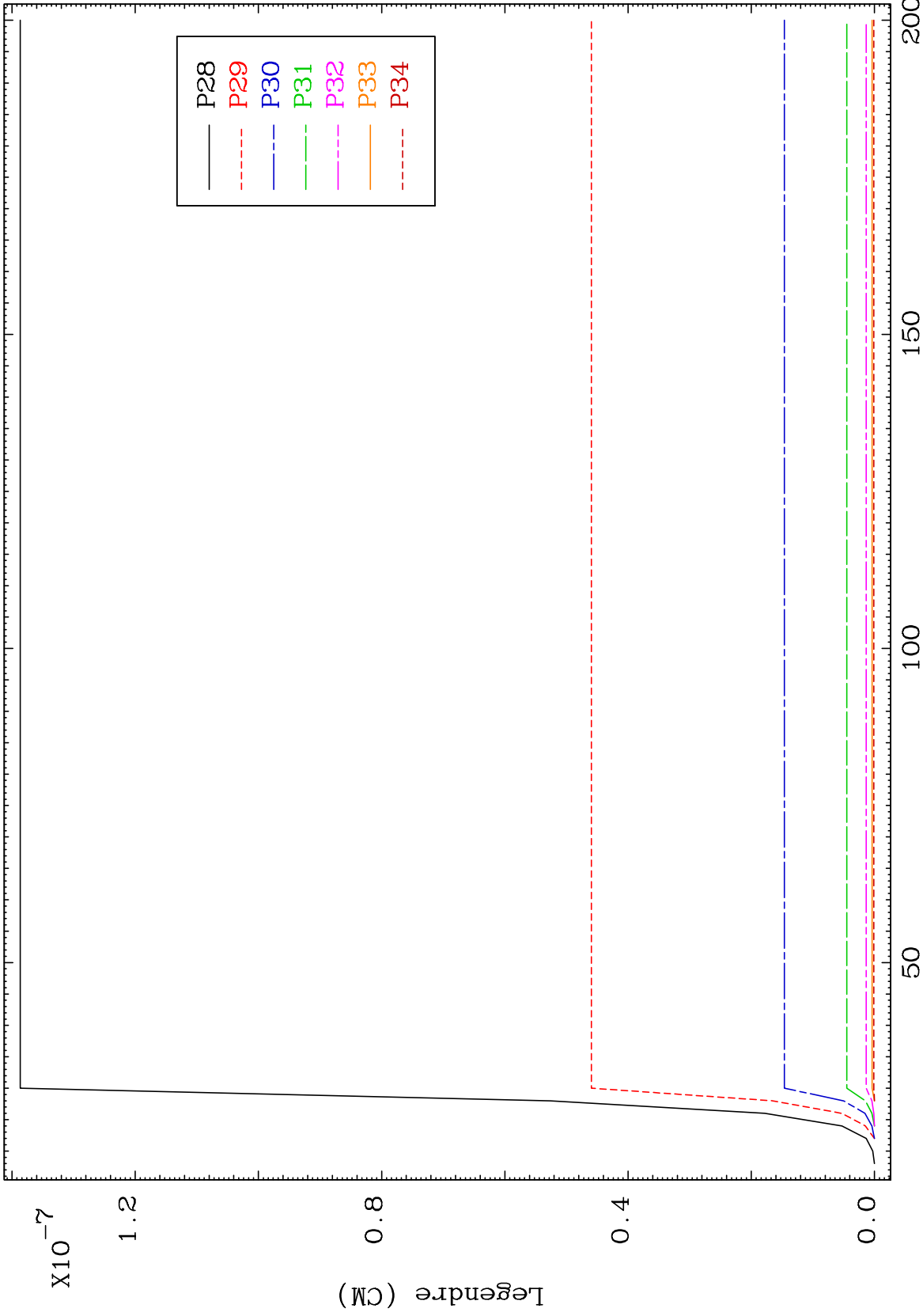
77

31-Ga-81

MAT 3161

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

31-Ga-81

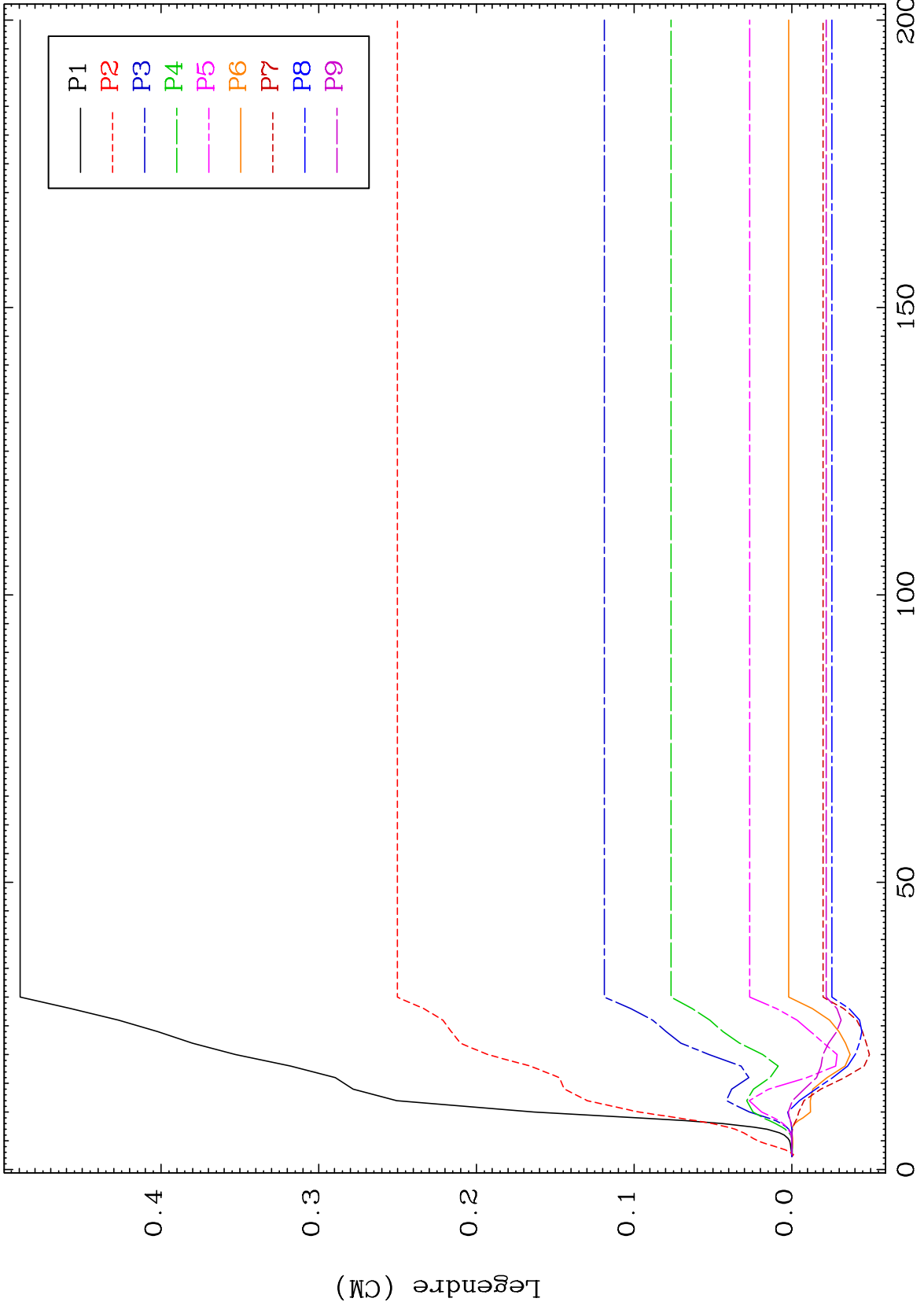


78

Incident Energy (MeV)

31-Ga-81

MAT 3161 MT= 66 (n,n') Level Legendre Coefficients 31-Ga-81

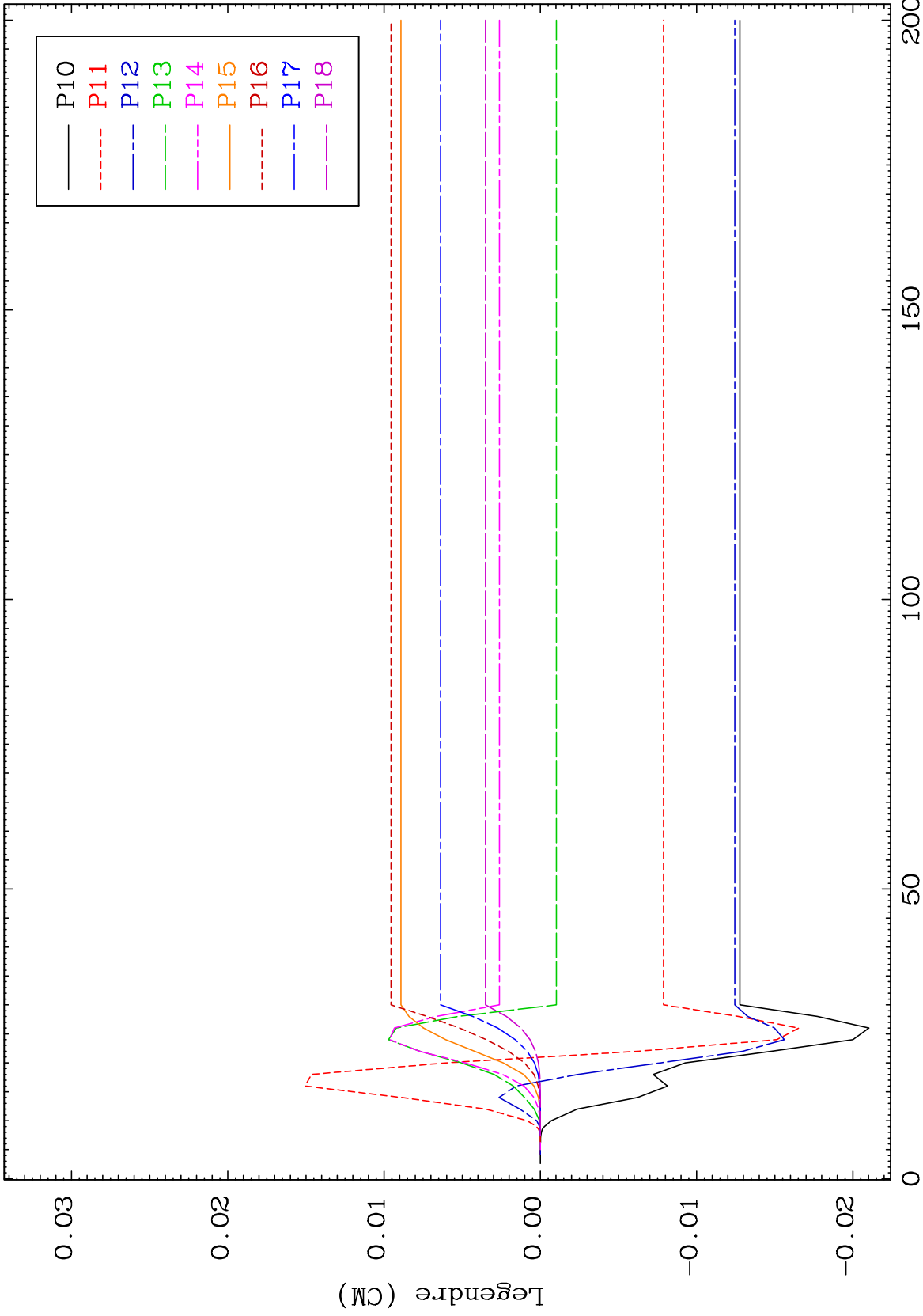


79 Incident Energy (MeV) 31-Ga-81

MAT 3161

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

31-Ga-81



80

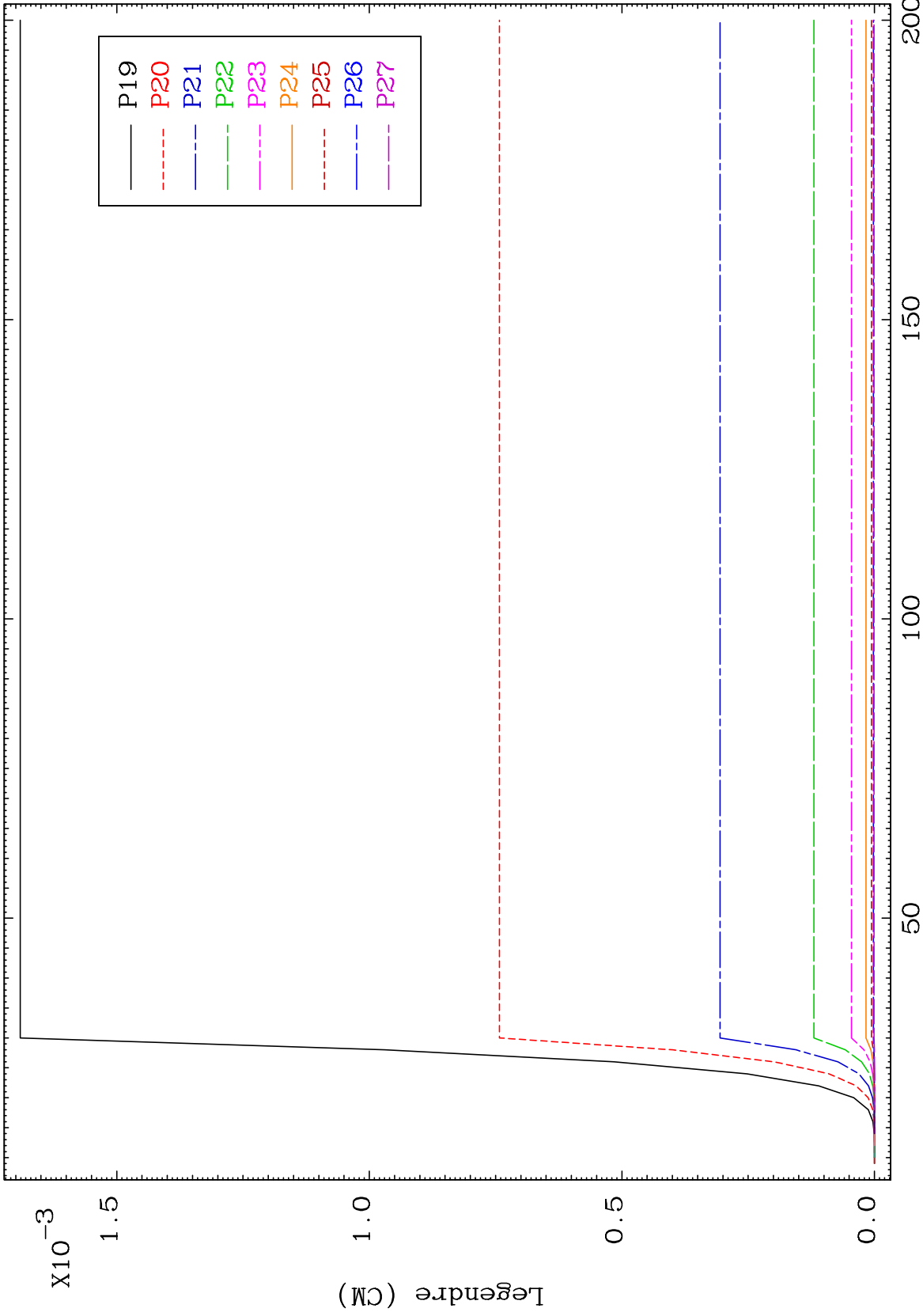
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

31-Ga-81



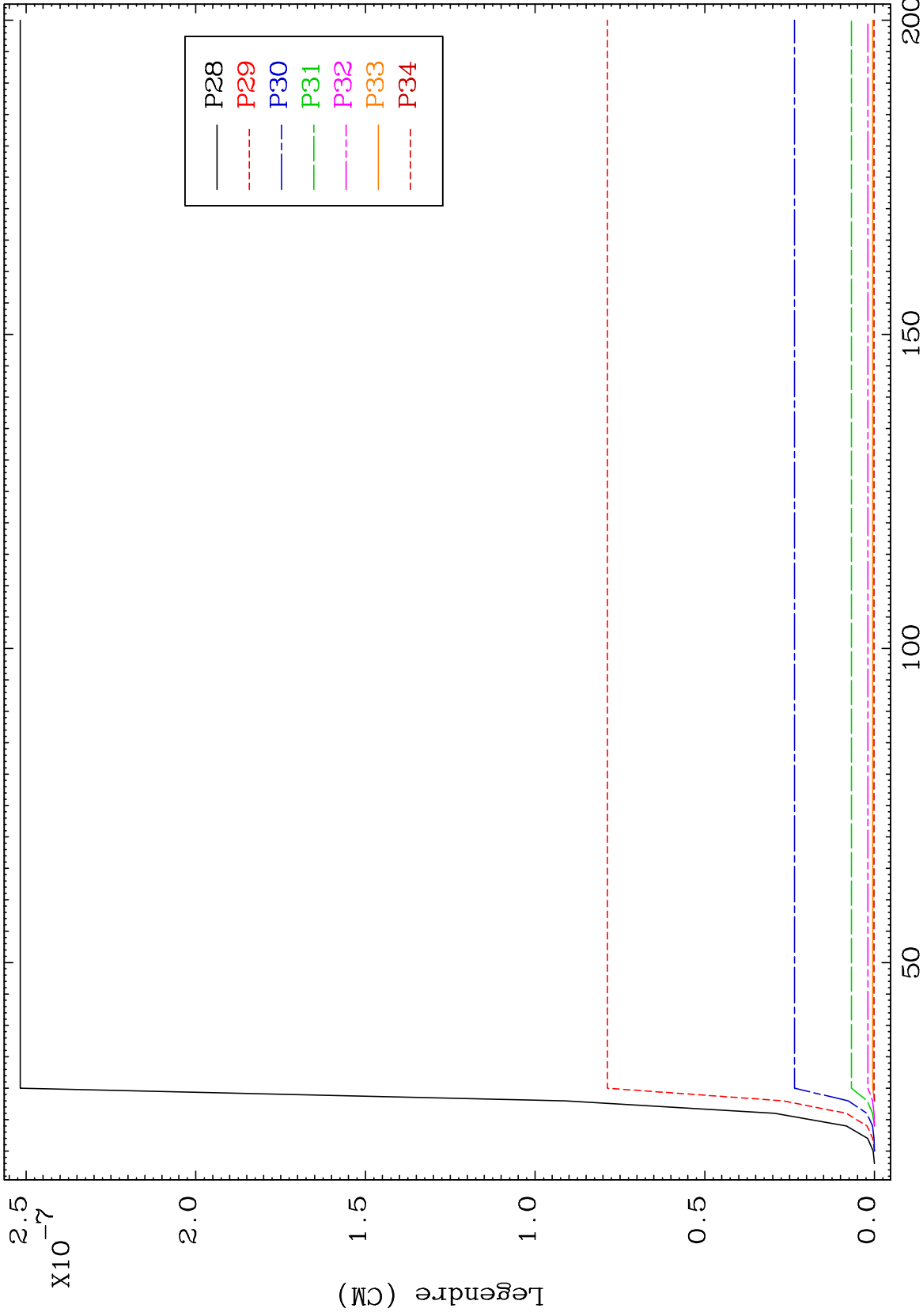
81

31-Ga-81

MAT 3161

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

31-Ga-81



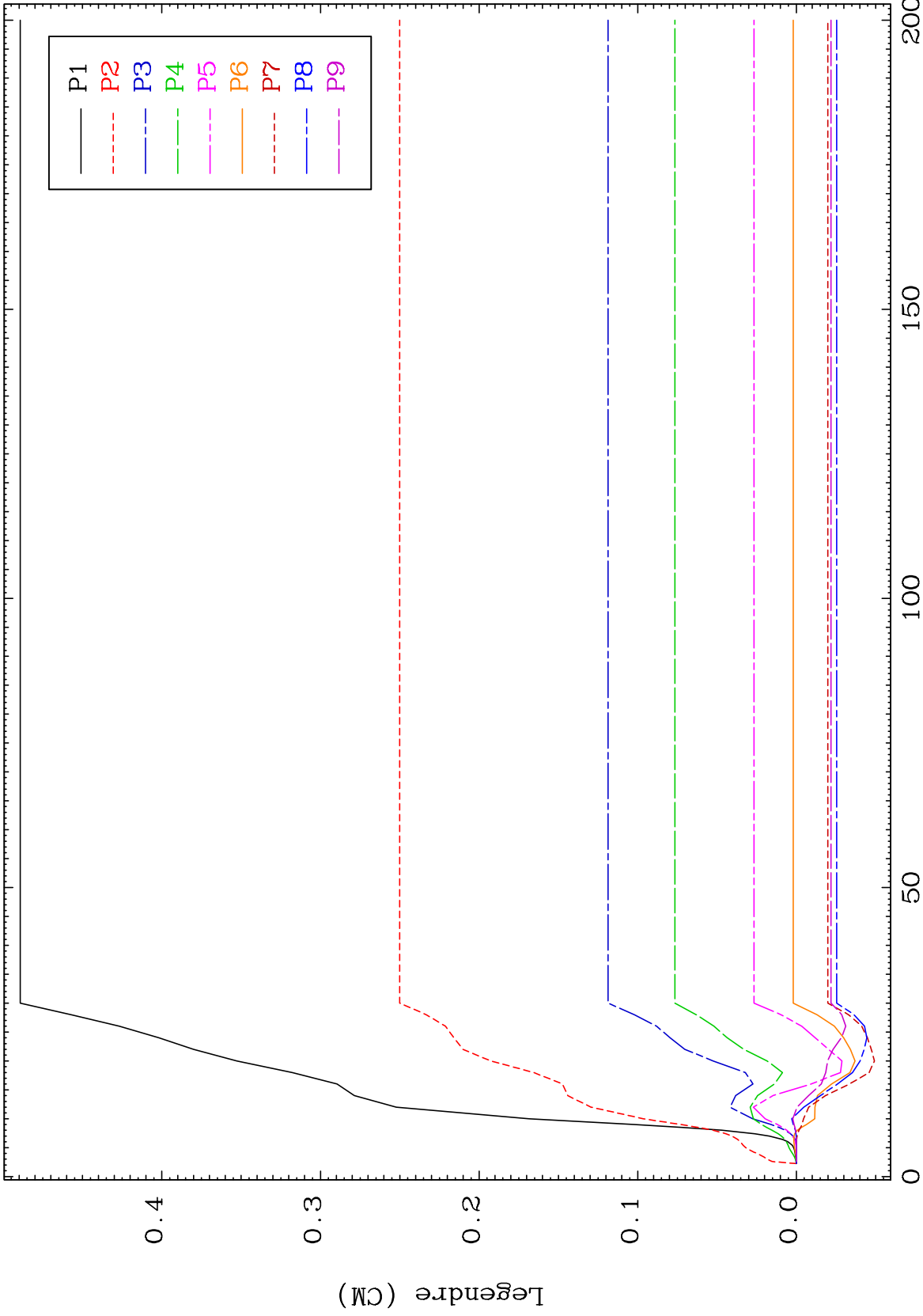
82

31-Ga-81

MAT 3161

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

31-Ga-81



83

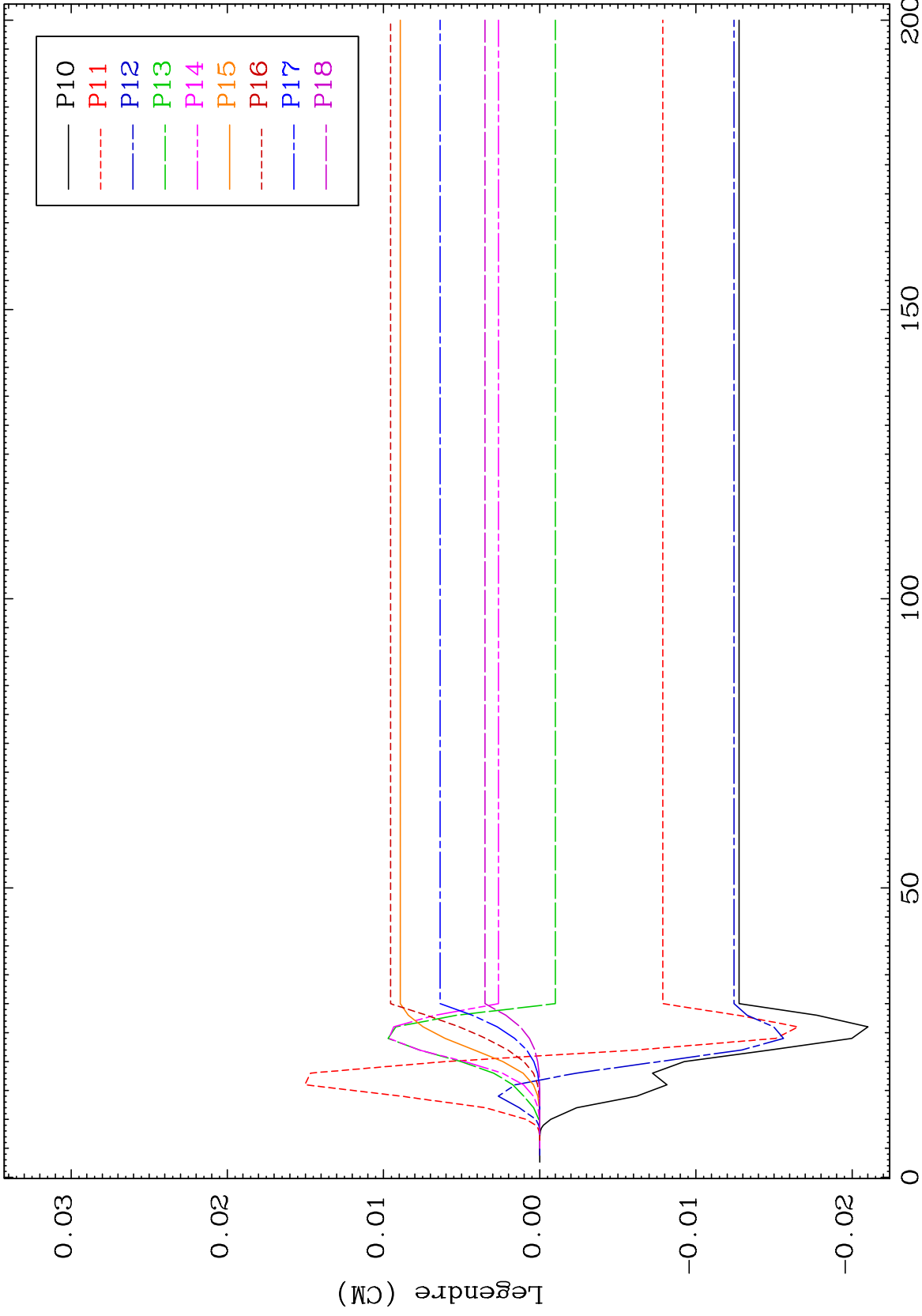
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

31-Ga-81



84

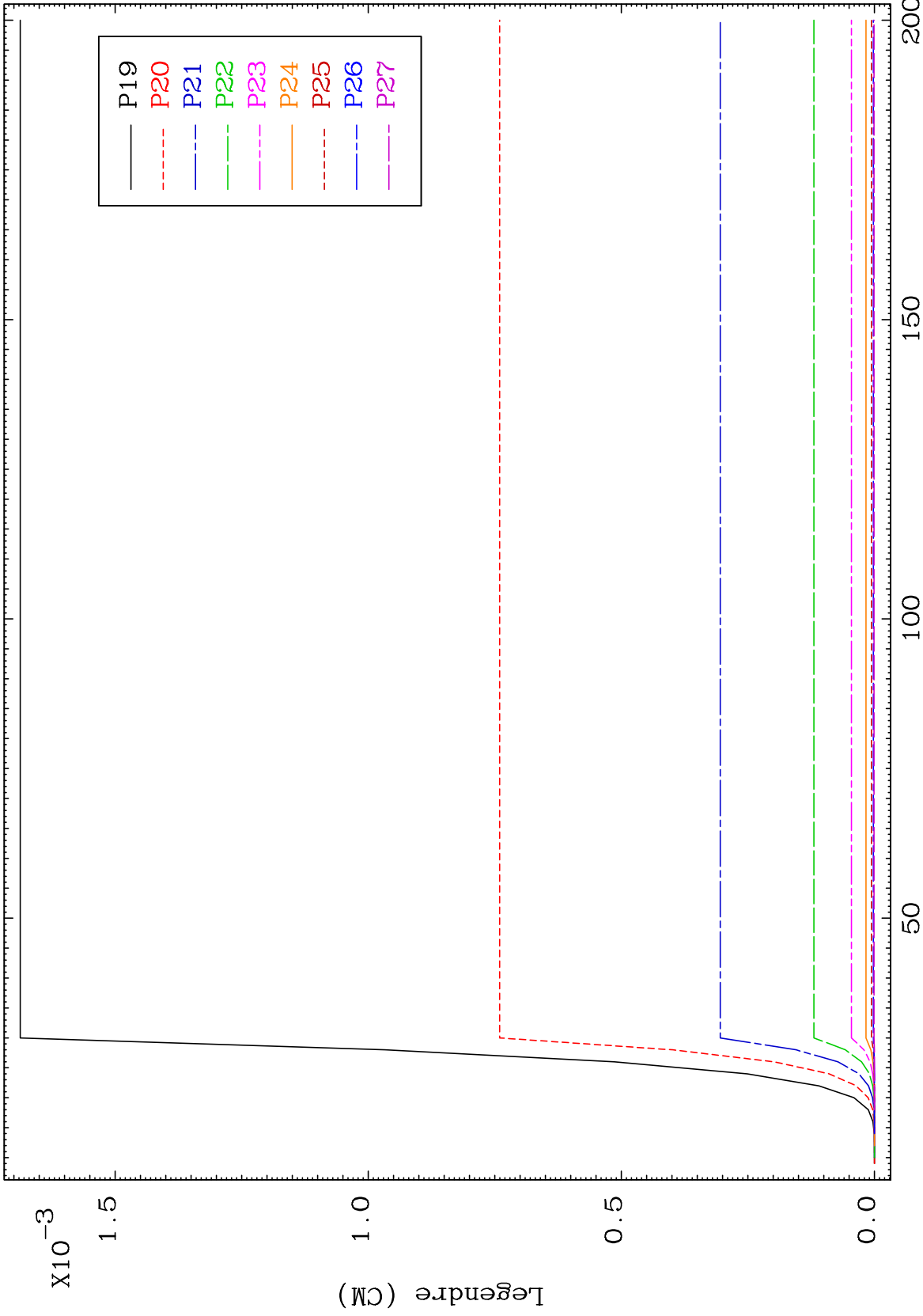
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

31-Ga-81



85

Incident Energy (MeV)

31-Ga-81

200

150

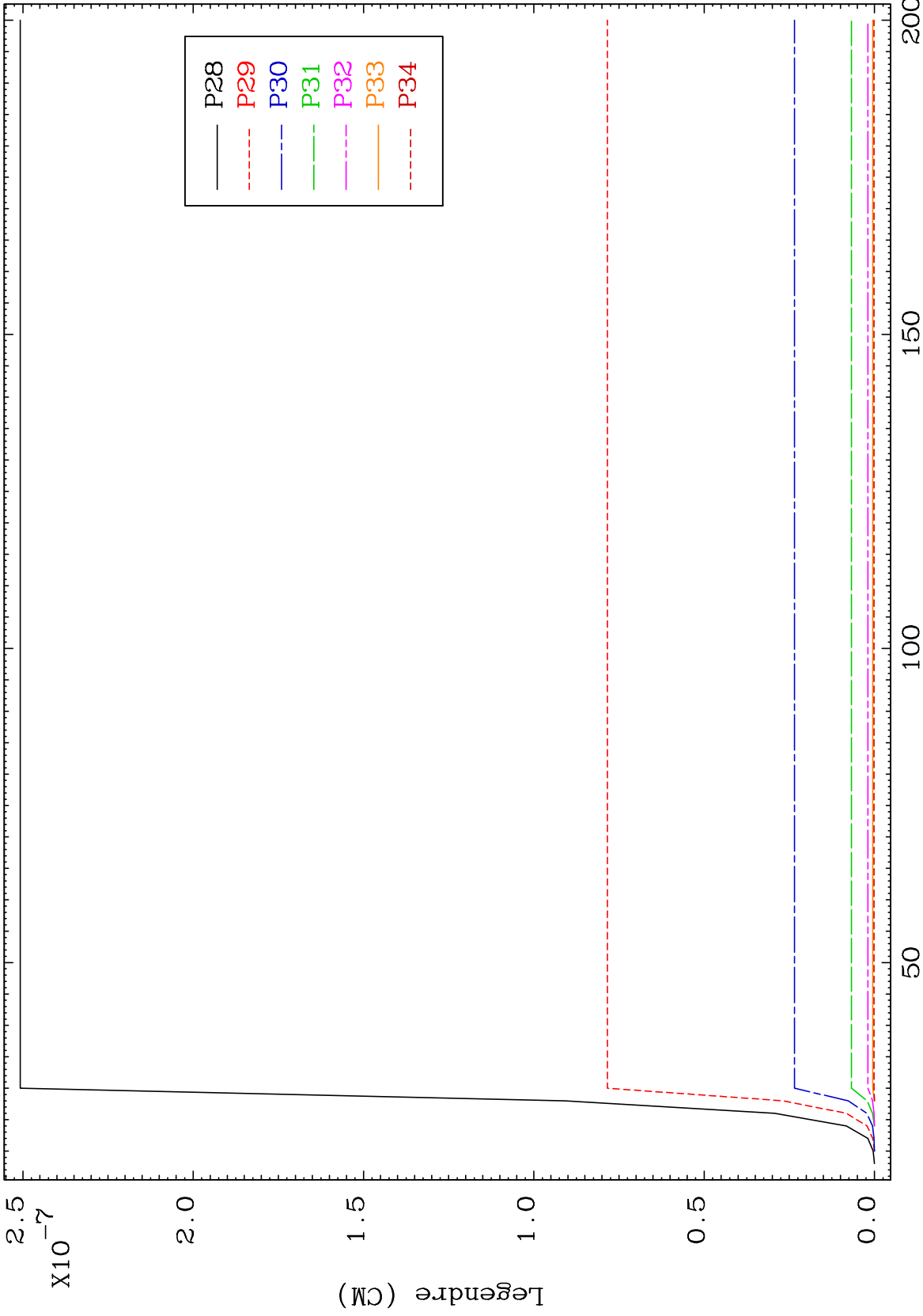
100

50

MAT 3161

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

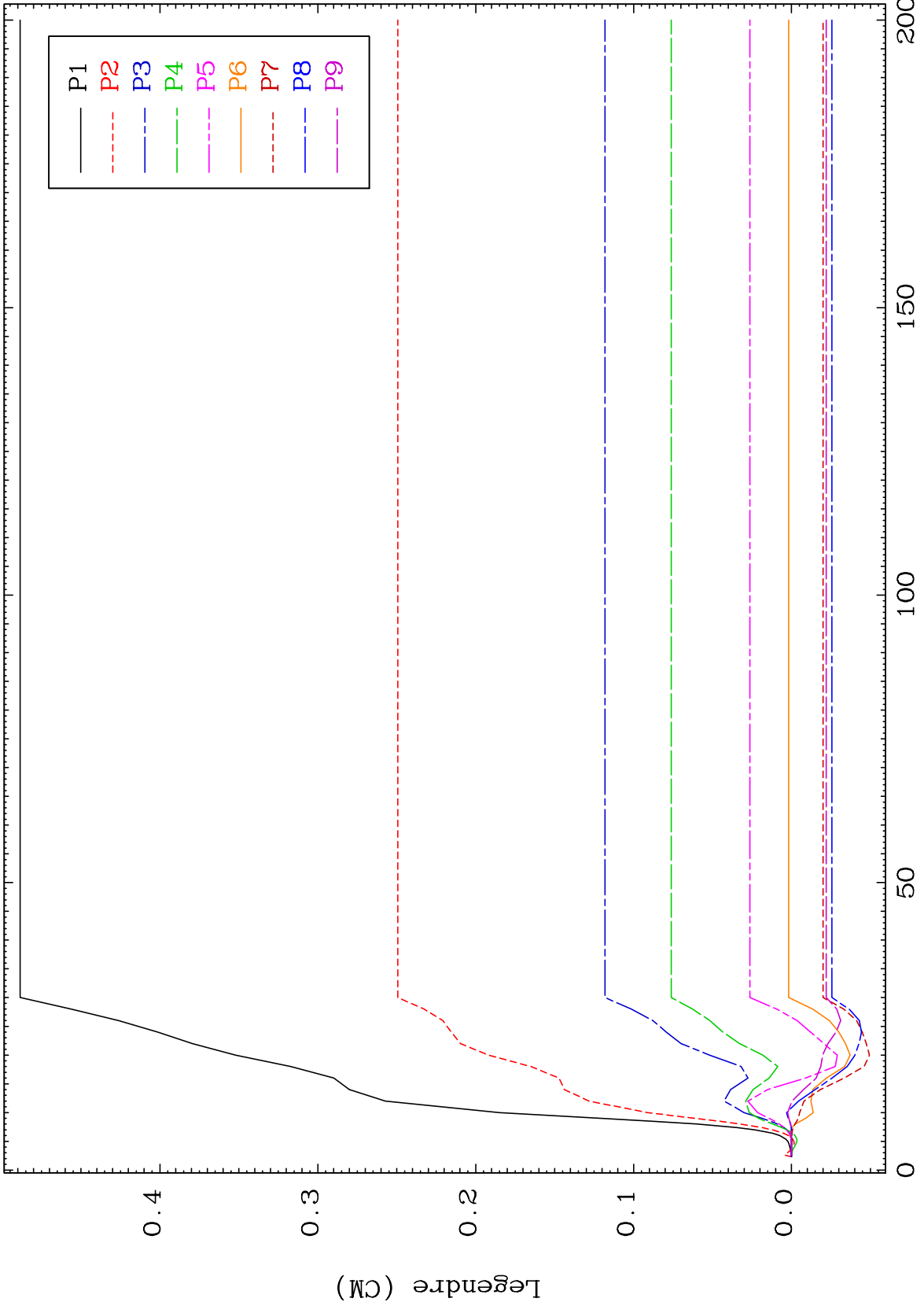
31-Ga-81



86

31-Ga-81

MAT 3161 MT= 68 (n,n') Level Legendre Coefficients 31-Ga-81

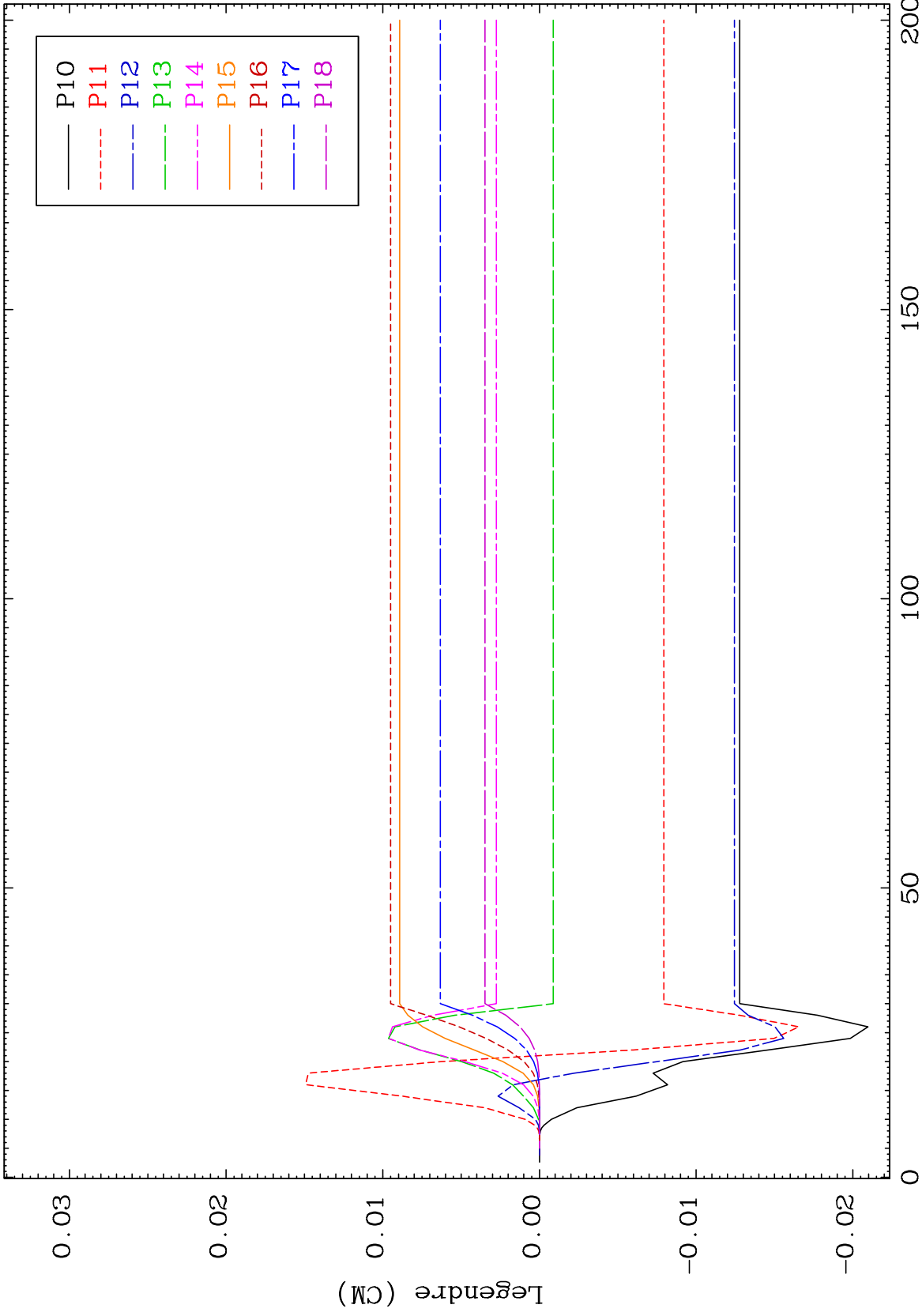


87 31-Ga-81

MAT 3161

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

31-Ga-81



88

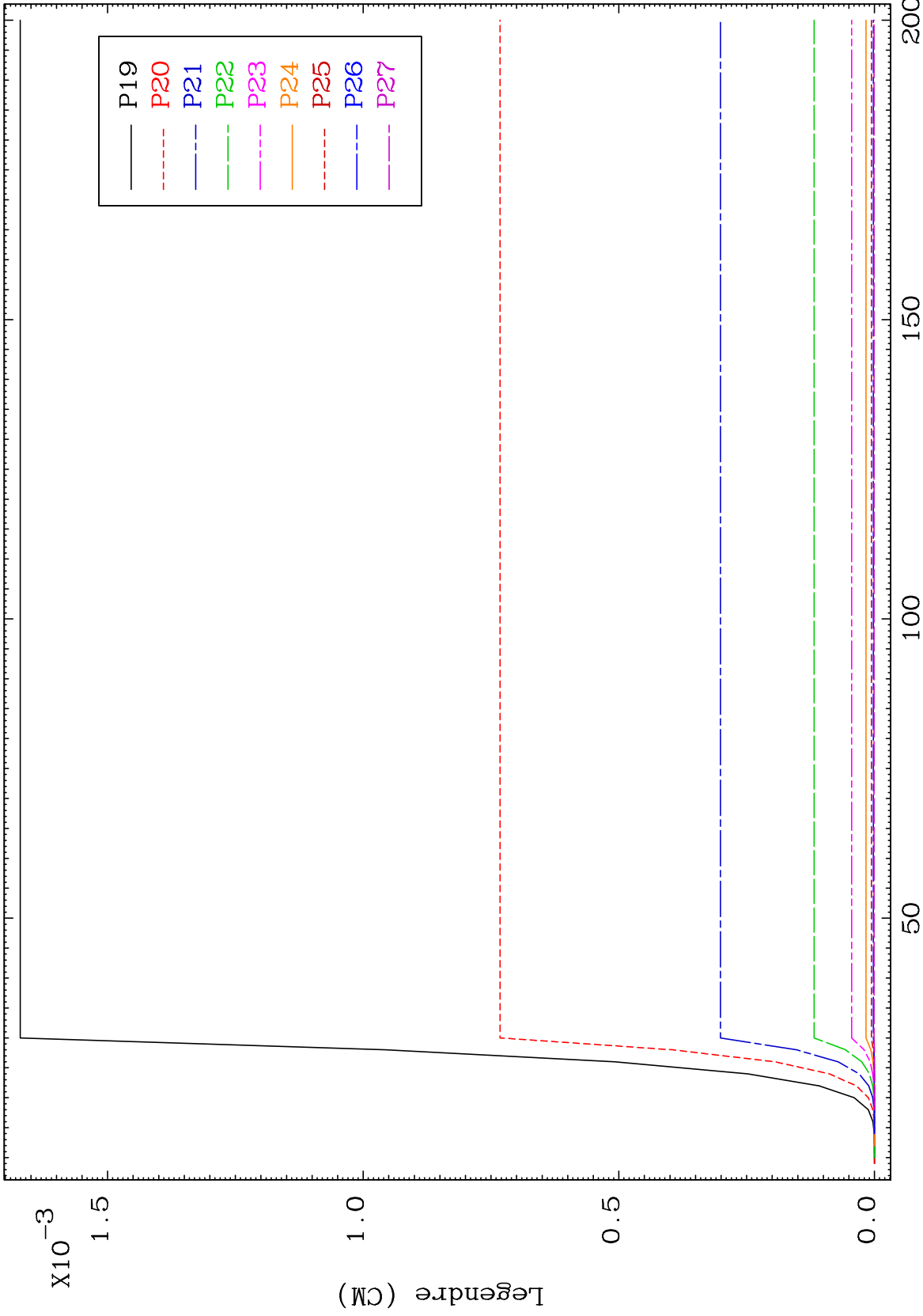
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

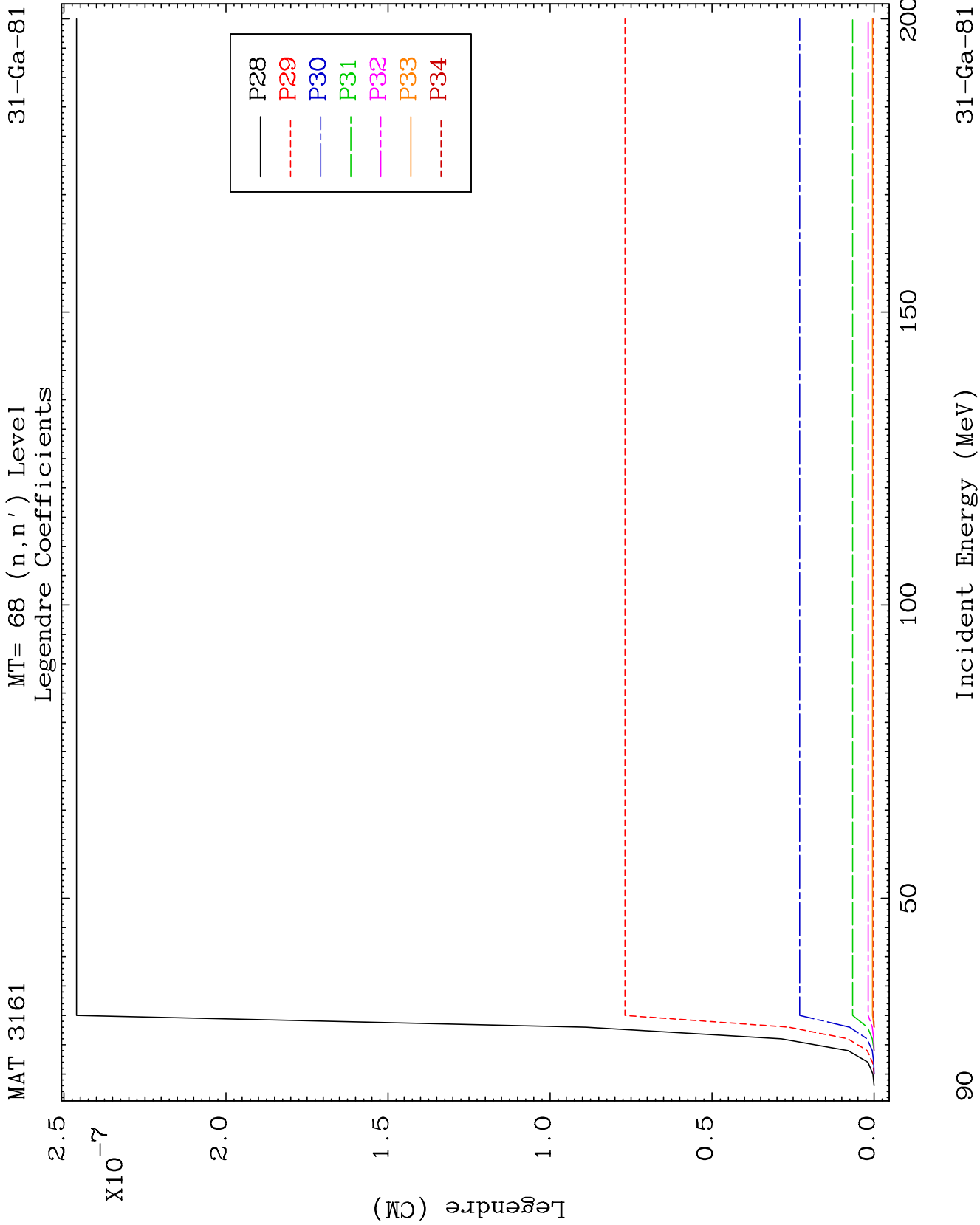
31-Ga-81



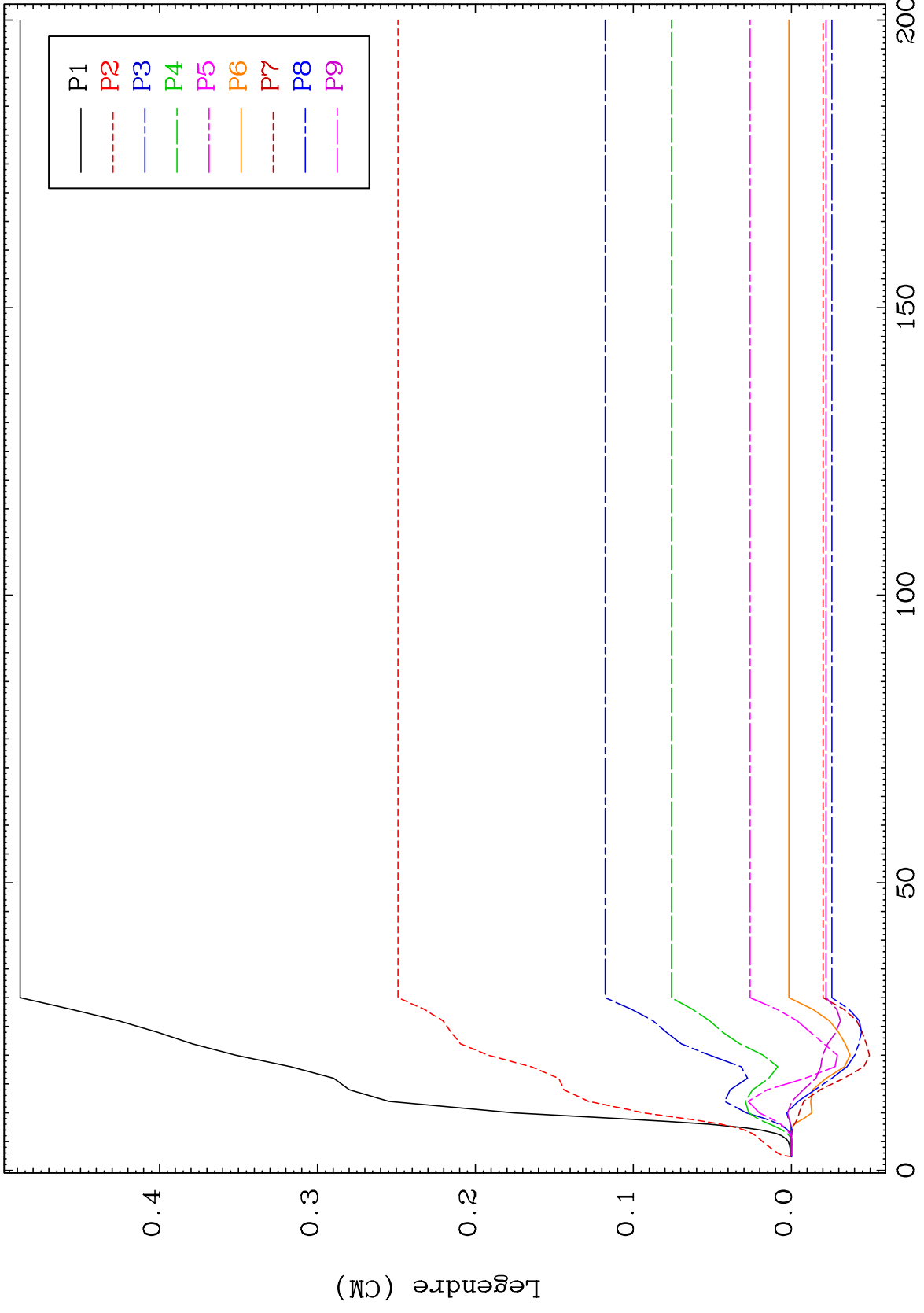
89

Incident Energy (MeV)

31-Ga-81



MAT 3161 MT= 69 (n,n') Level Legendre Coefficients 31-Ga-81

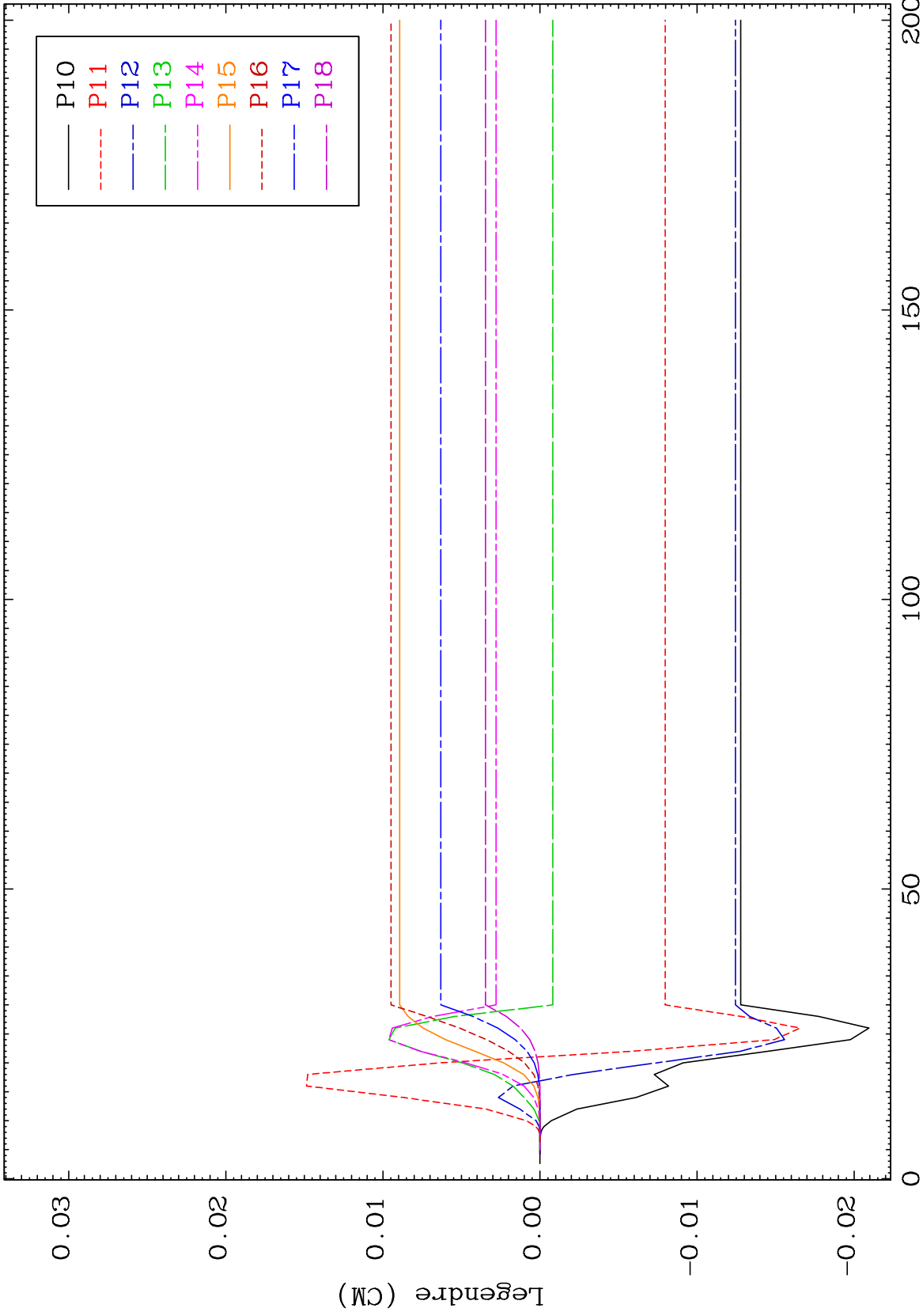


91 31-Ga-81

MAT 3161

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

31-Ga-81



92

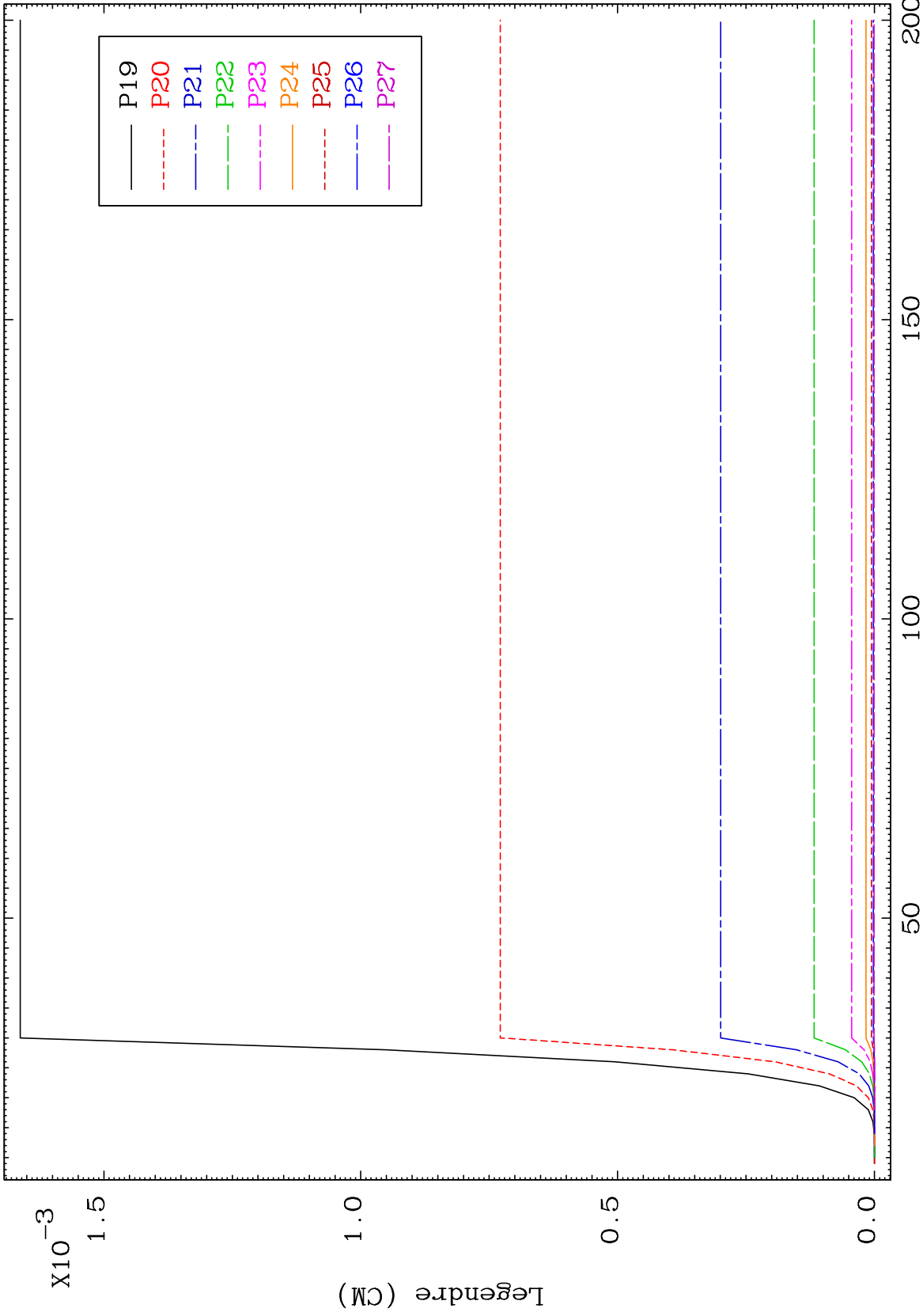
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

31-Ga-81



93

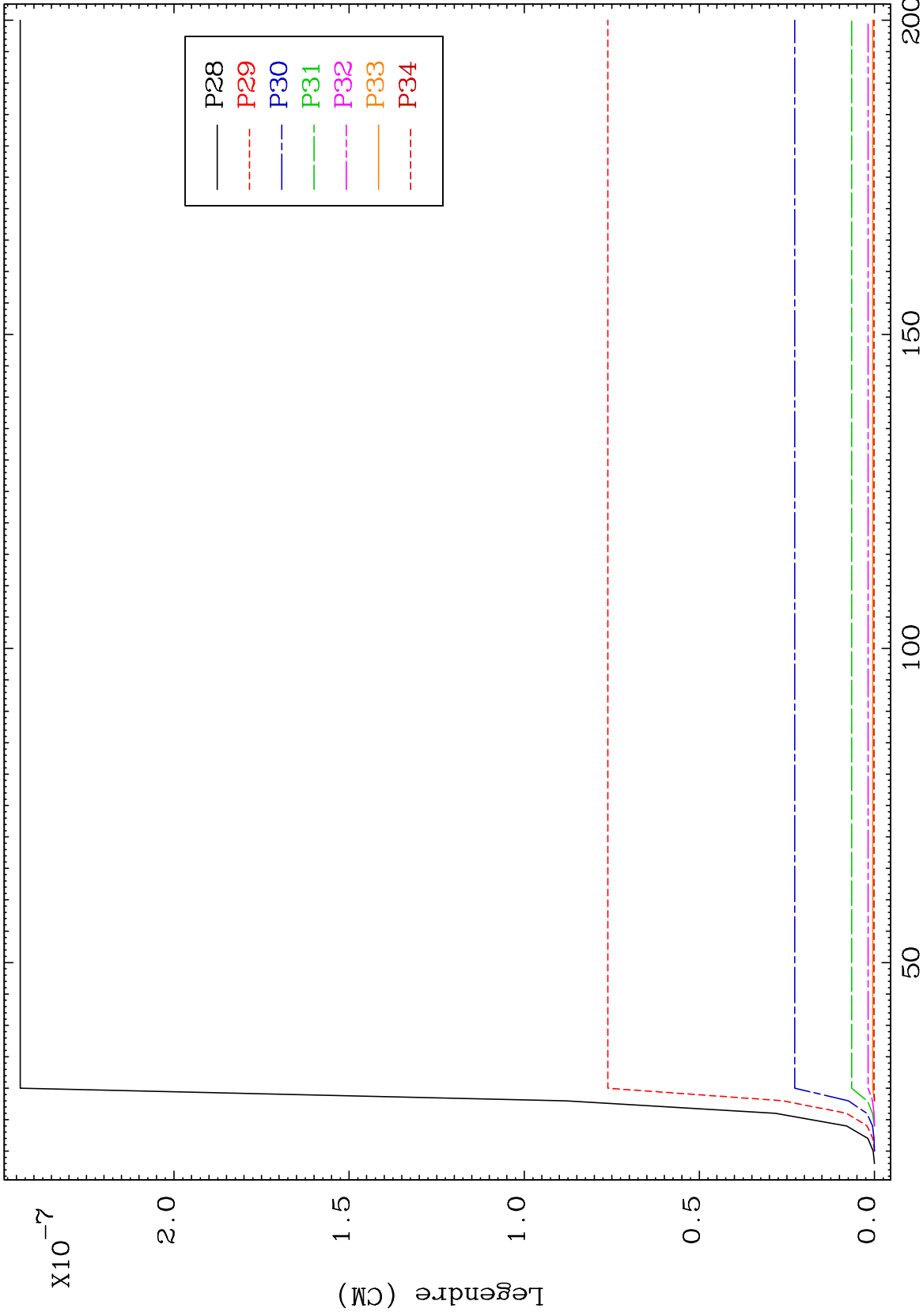
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

31-Ga-81



94

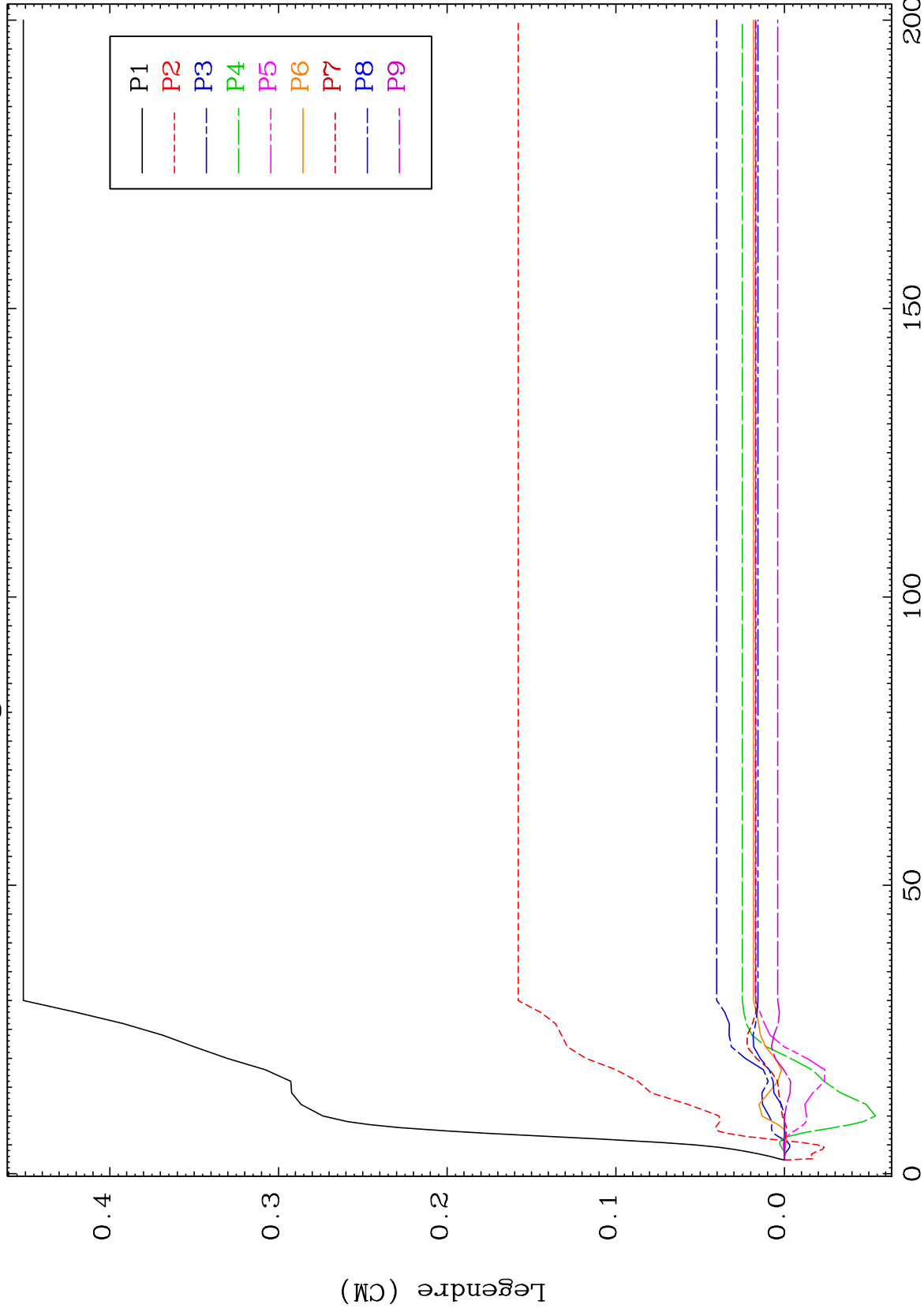
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

31-Ga-81



95

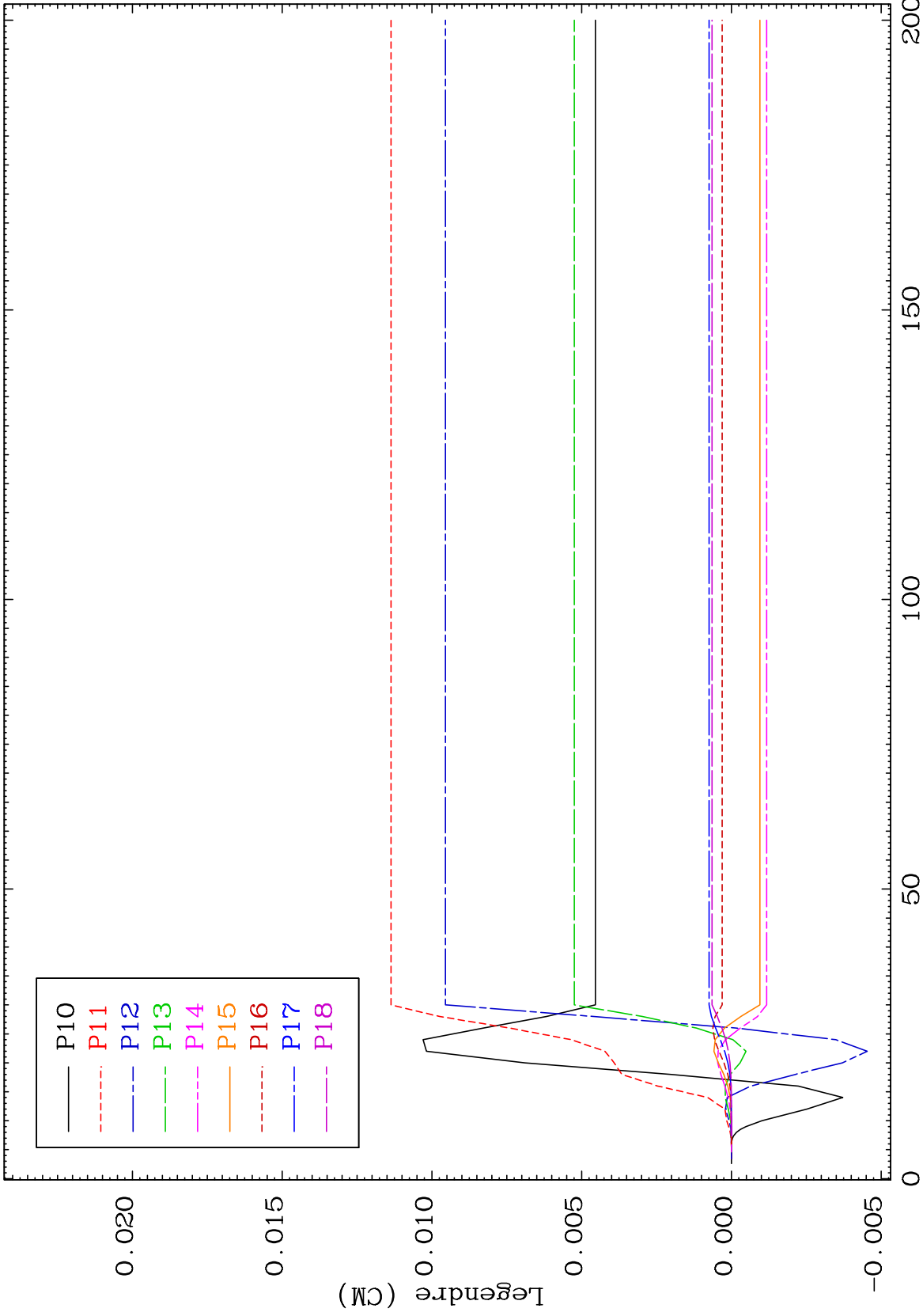
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

31-Ga-81



96

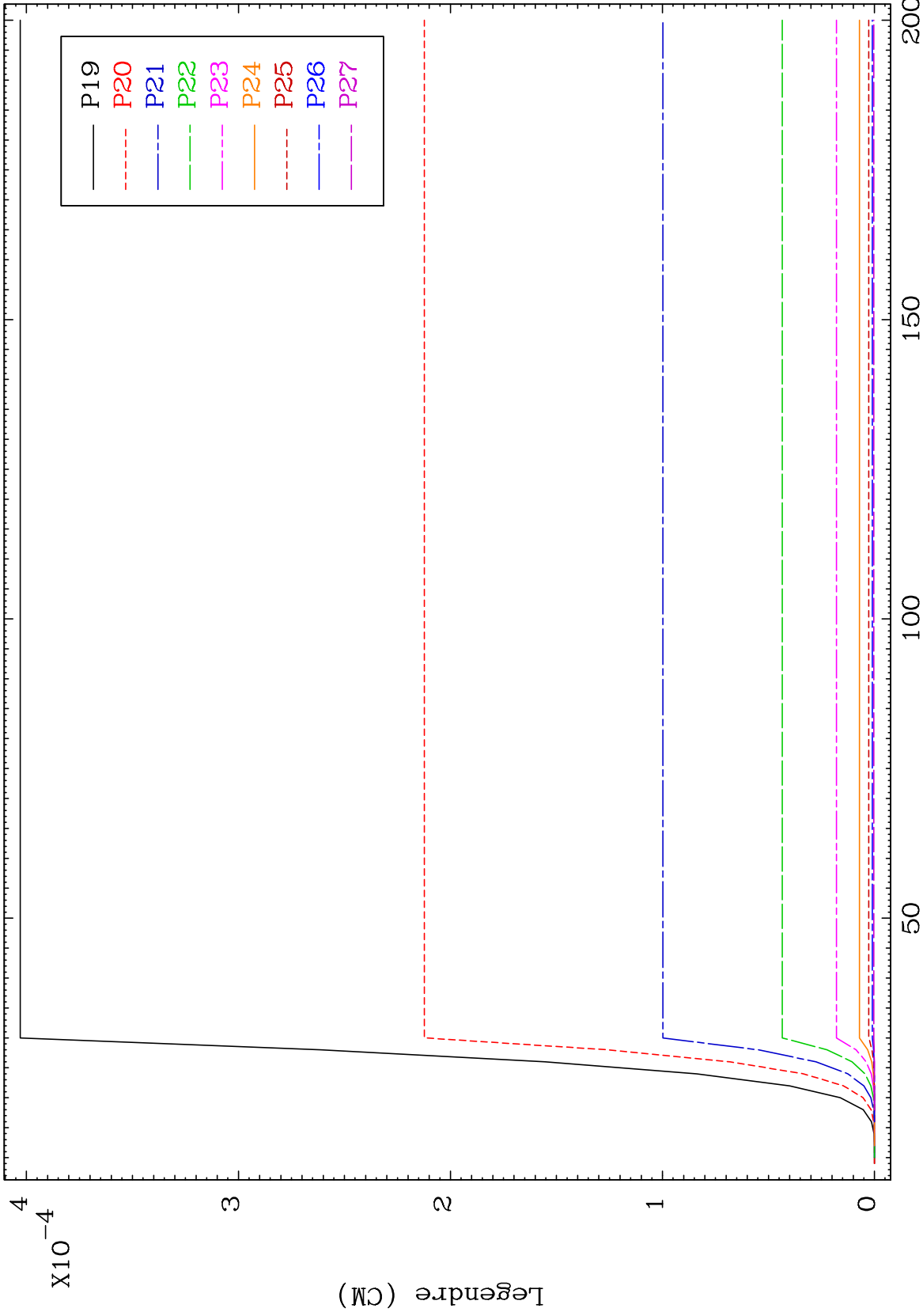
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

31-Ga-81



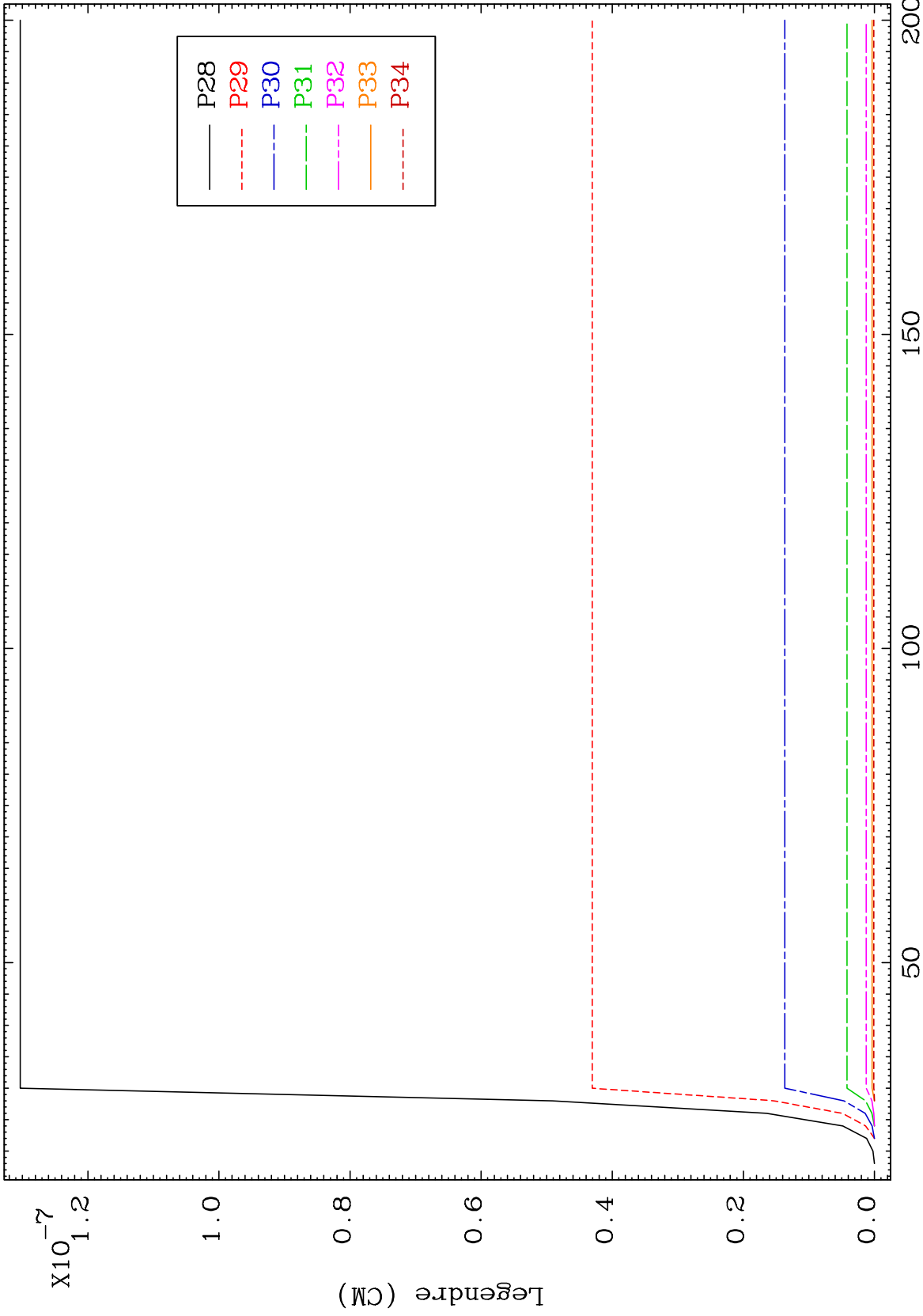
97

31-Ga-81

MAT 3161

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

31-Ga-81



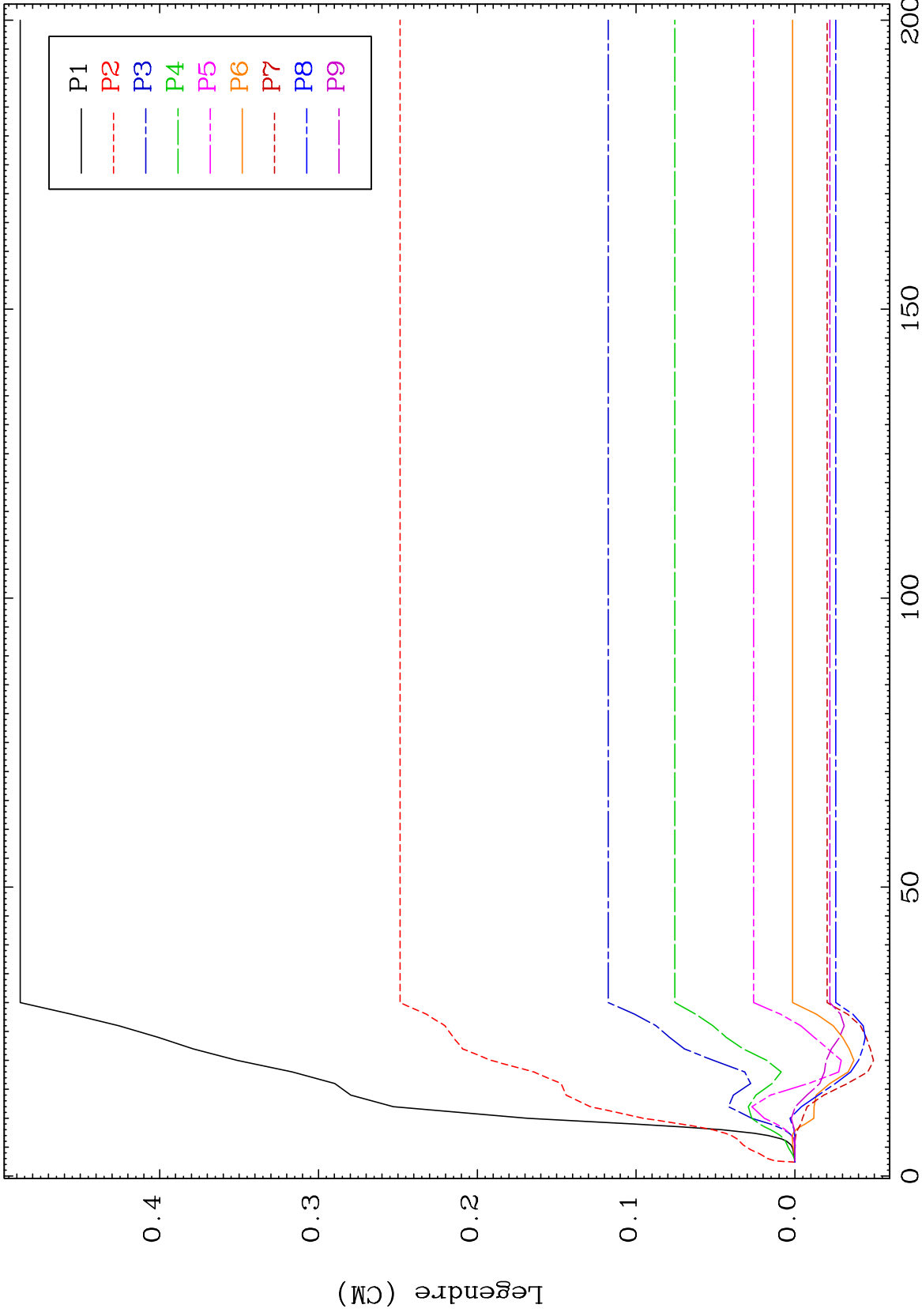
98

31-Ga-81

MAT 3161

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

31-Ga-81



99

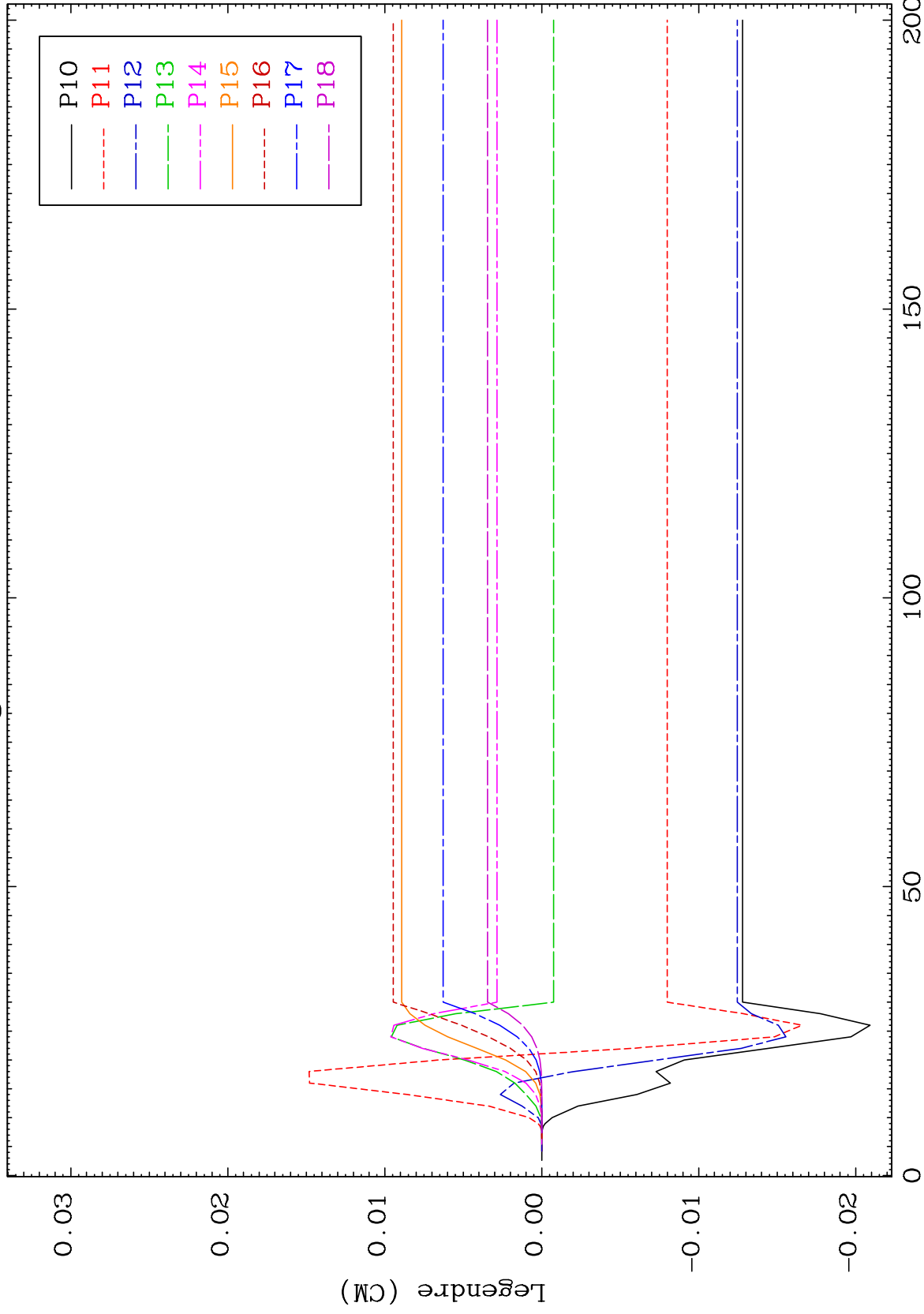
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

31-Ga-81



31-Ga-81

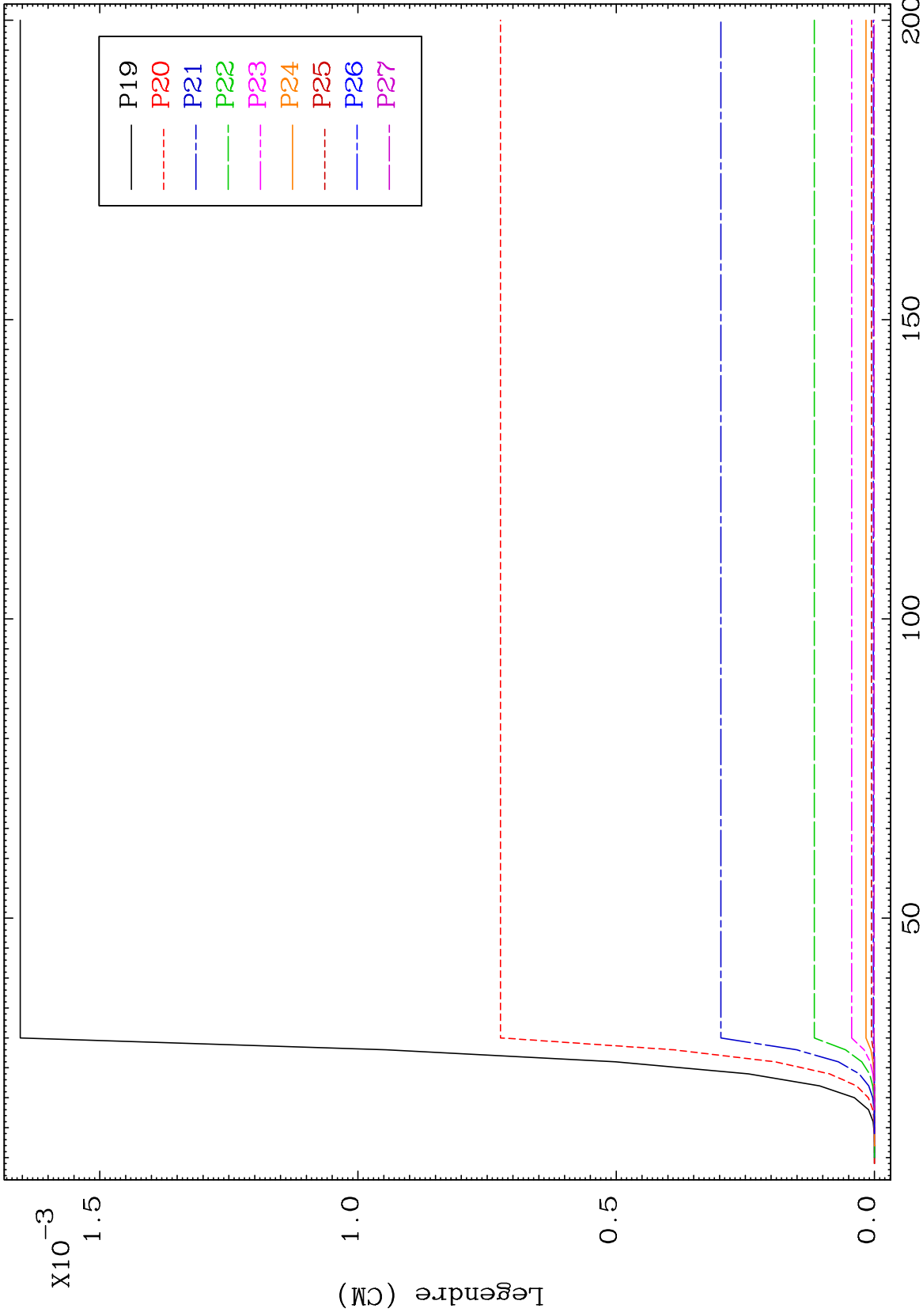
Incident Energy (MeV)

100

MAT 3161

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

31-Ga-81



101

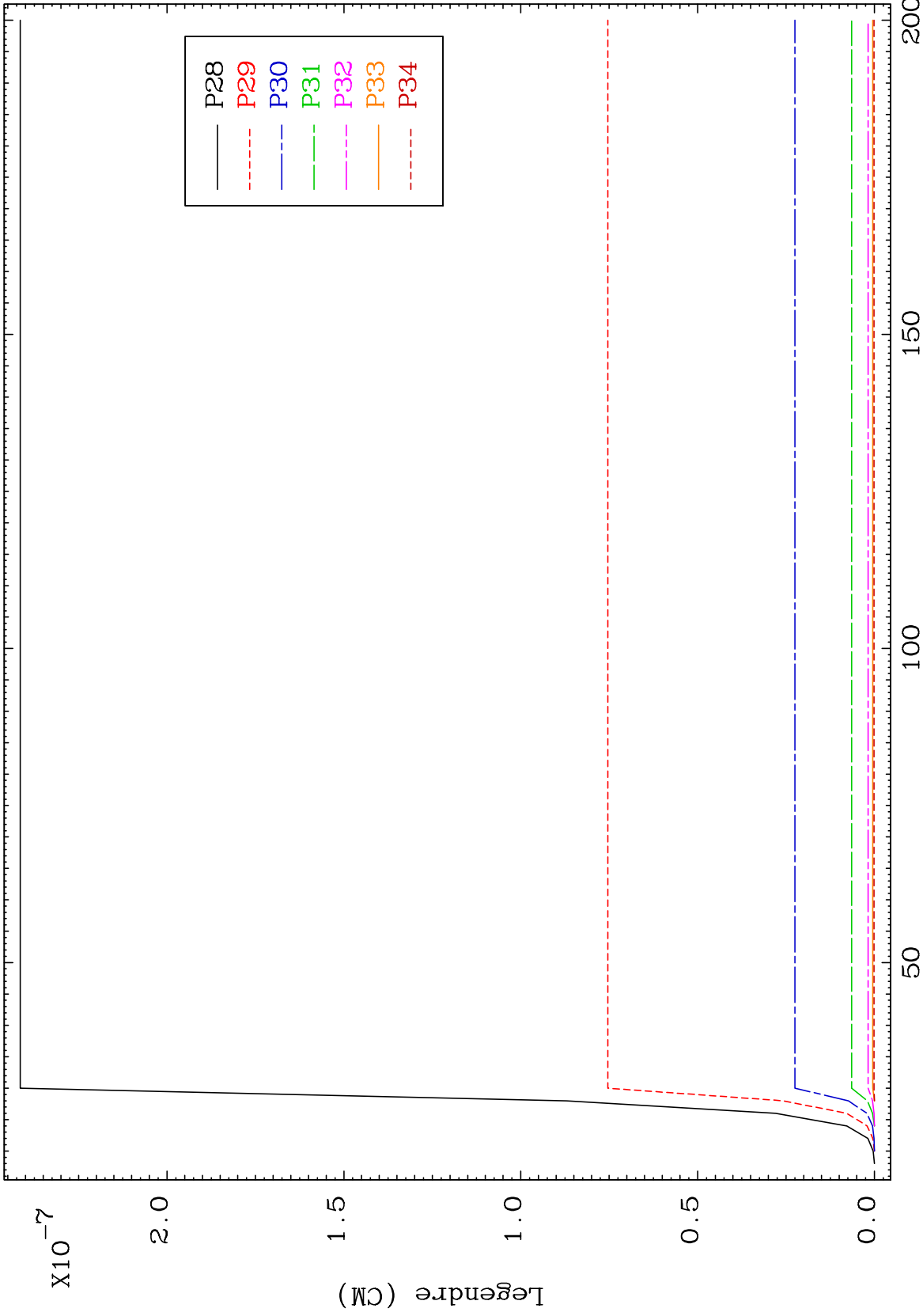
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

31-Ga-81



102

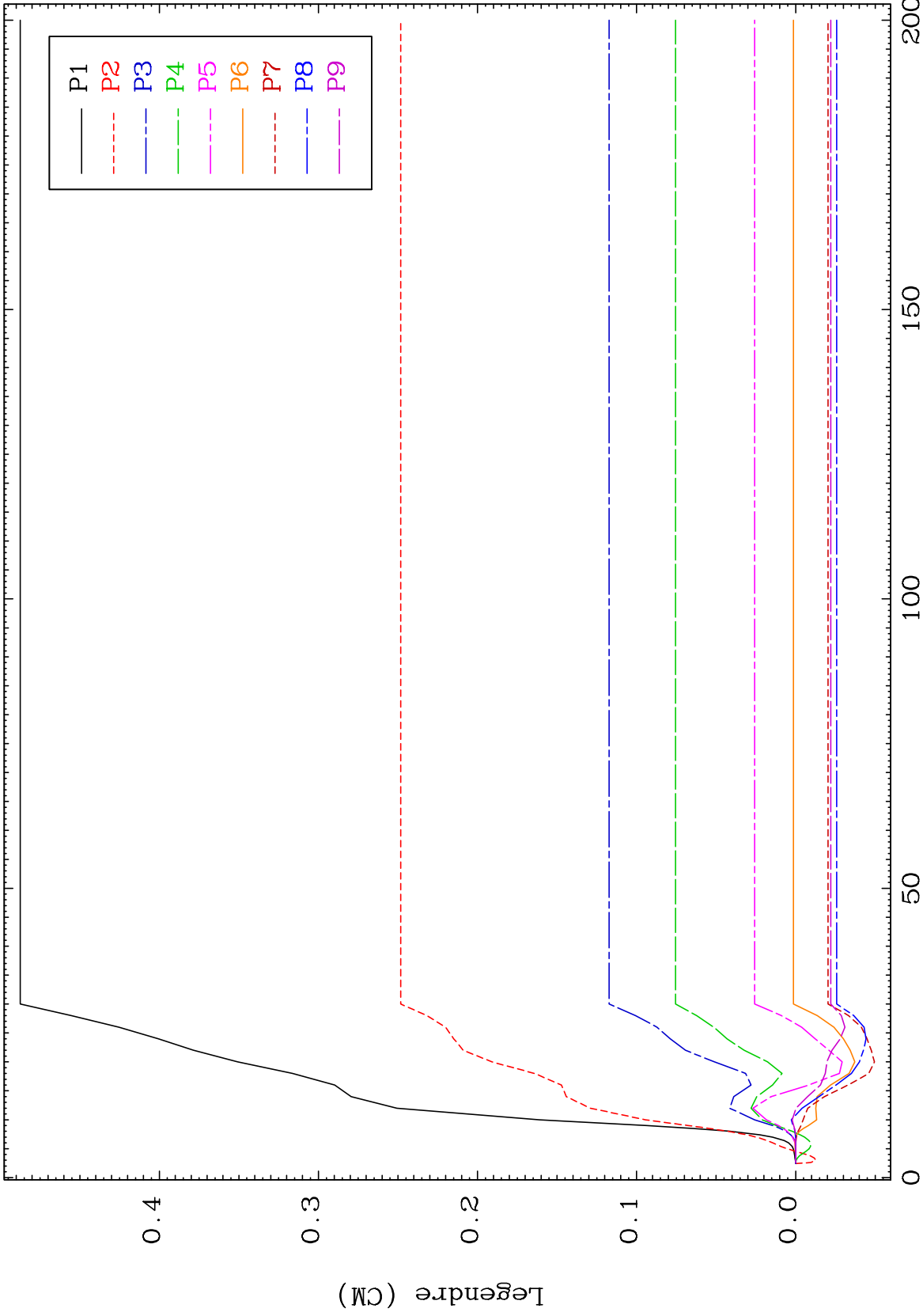
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

31-Ga-81



103

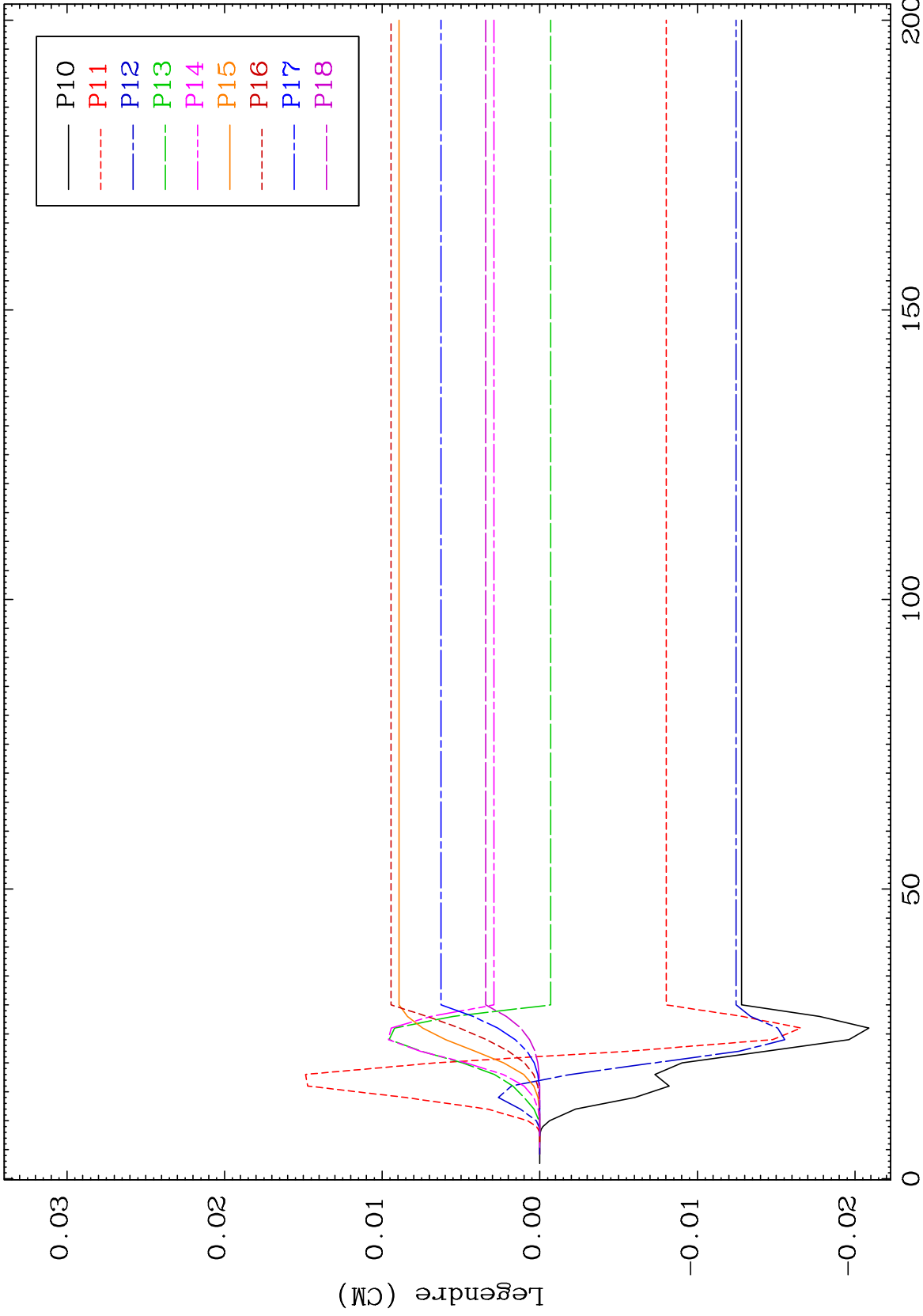
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

31-Ga-81



104

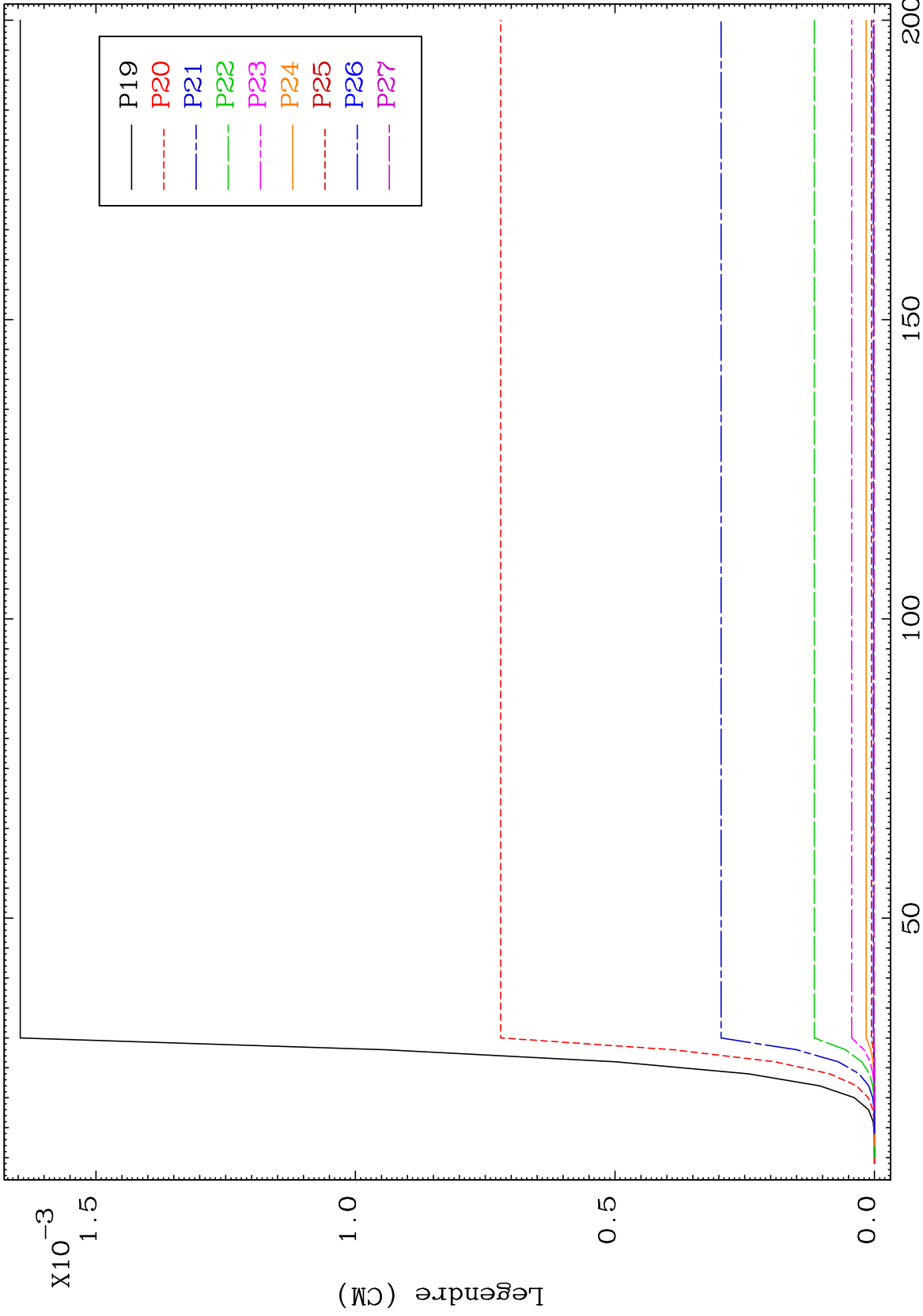
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

31-Ga-81



105

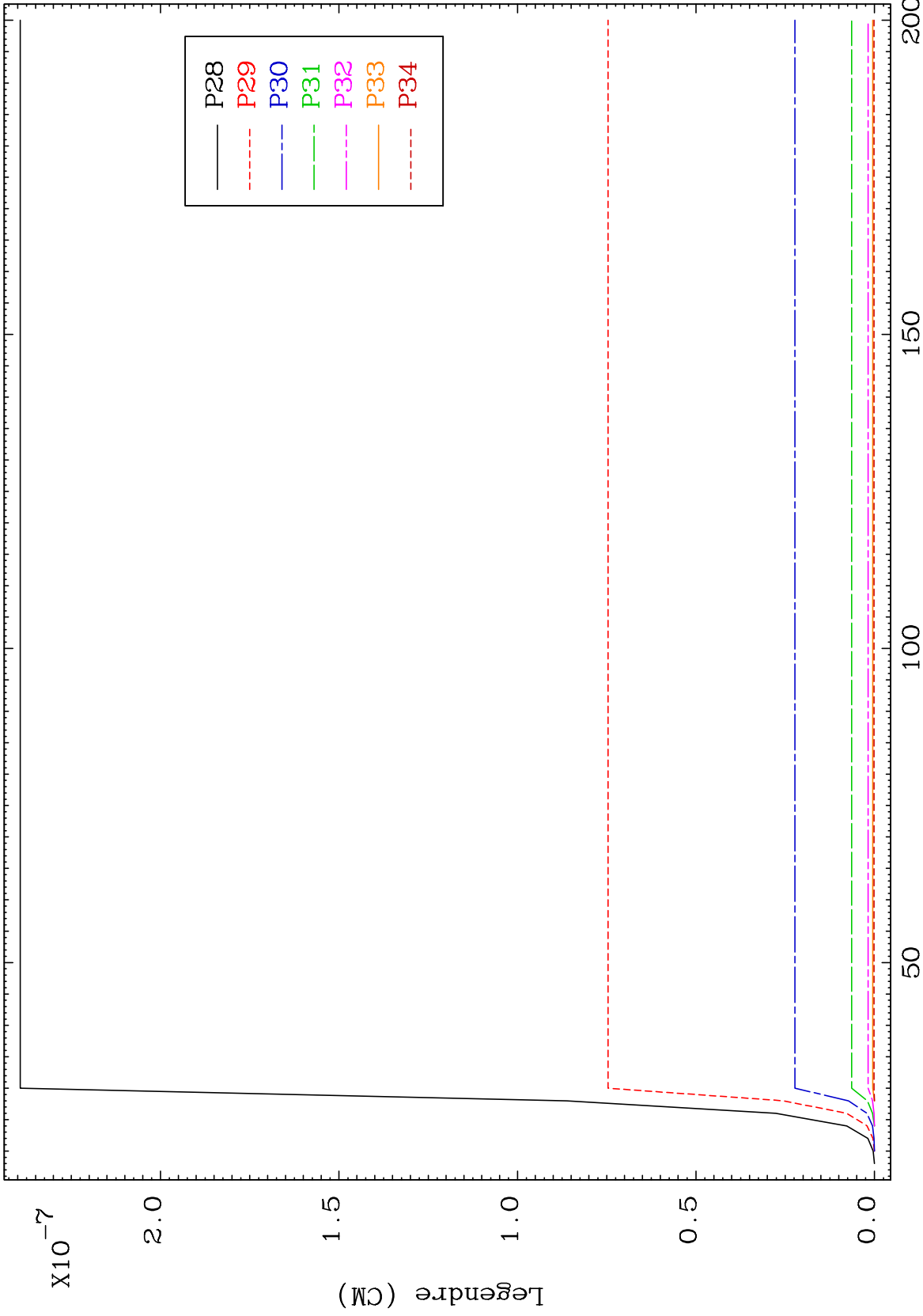
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

31-Ga-81



106

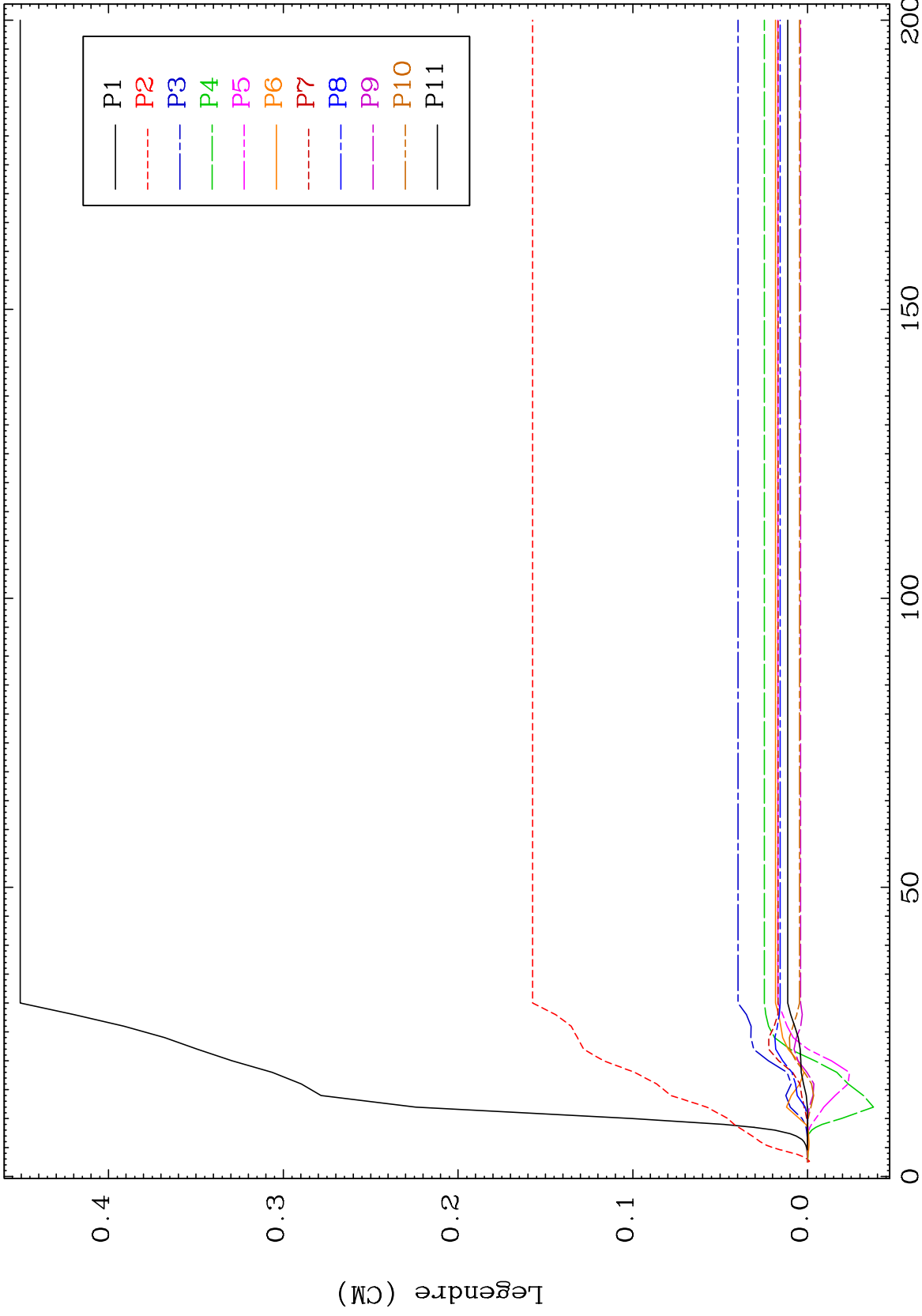
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

31-Ga-81



31-Ga-81

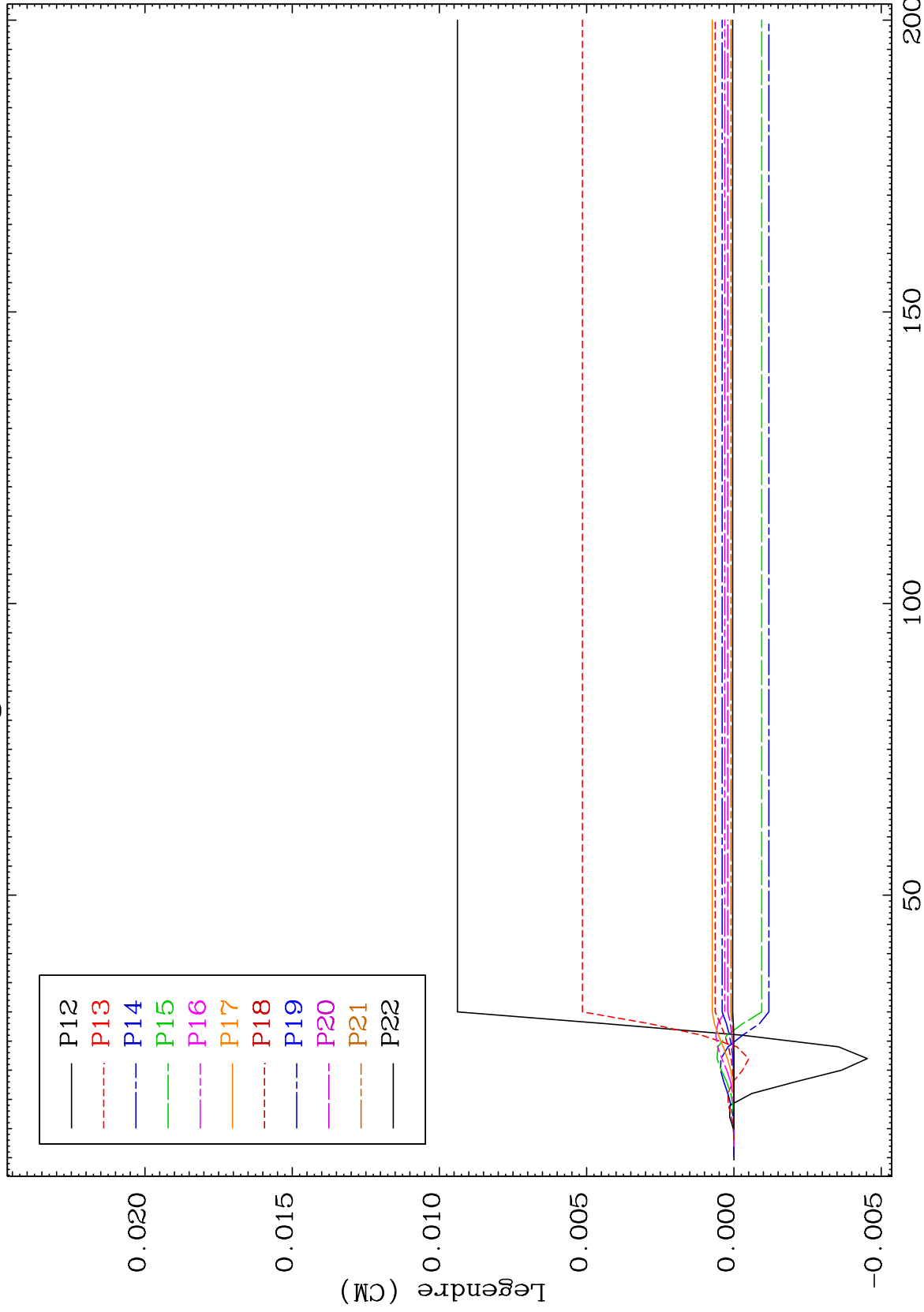
Incident Energy (MeV)

107

MAT 3161

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

31-Ga-81



108

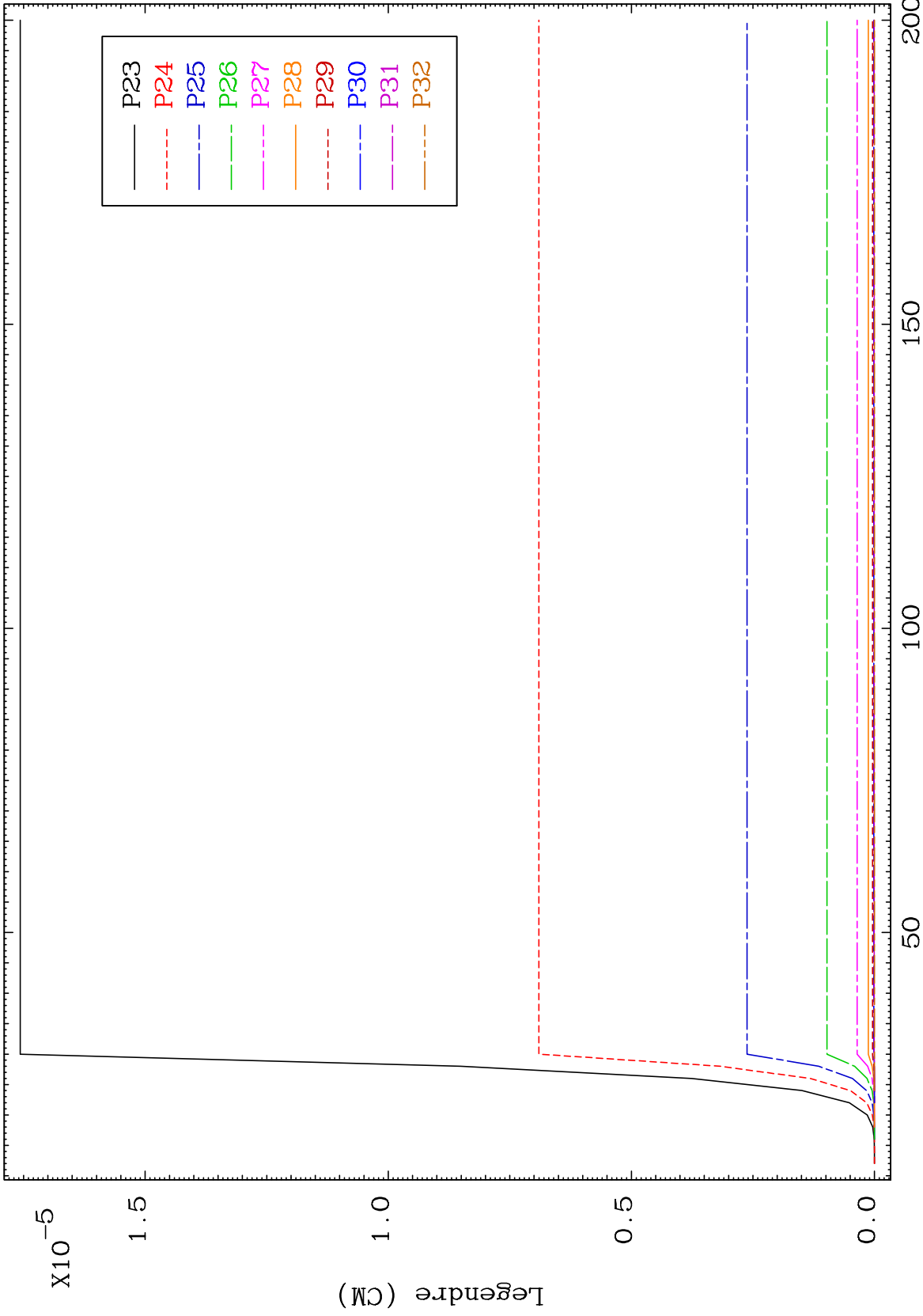
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

31-Ga-81



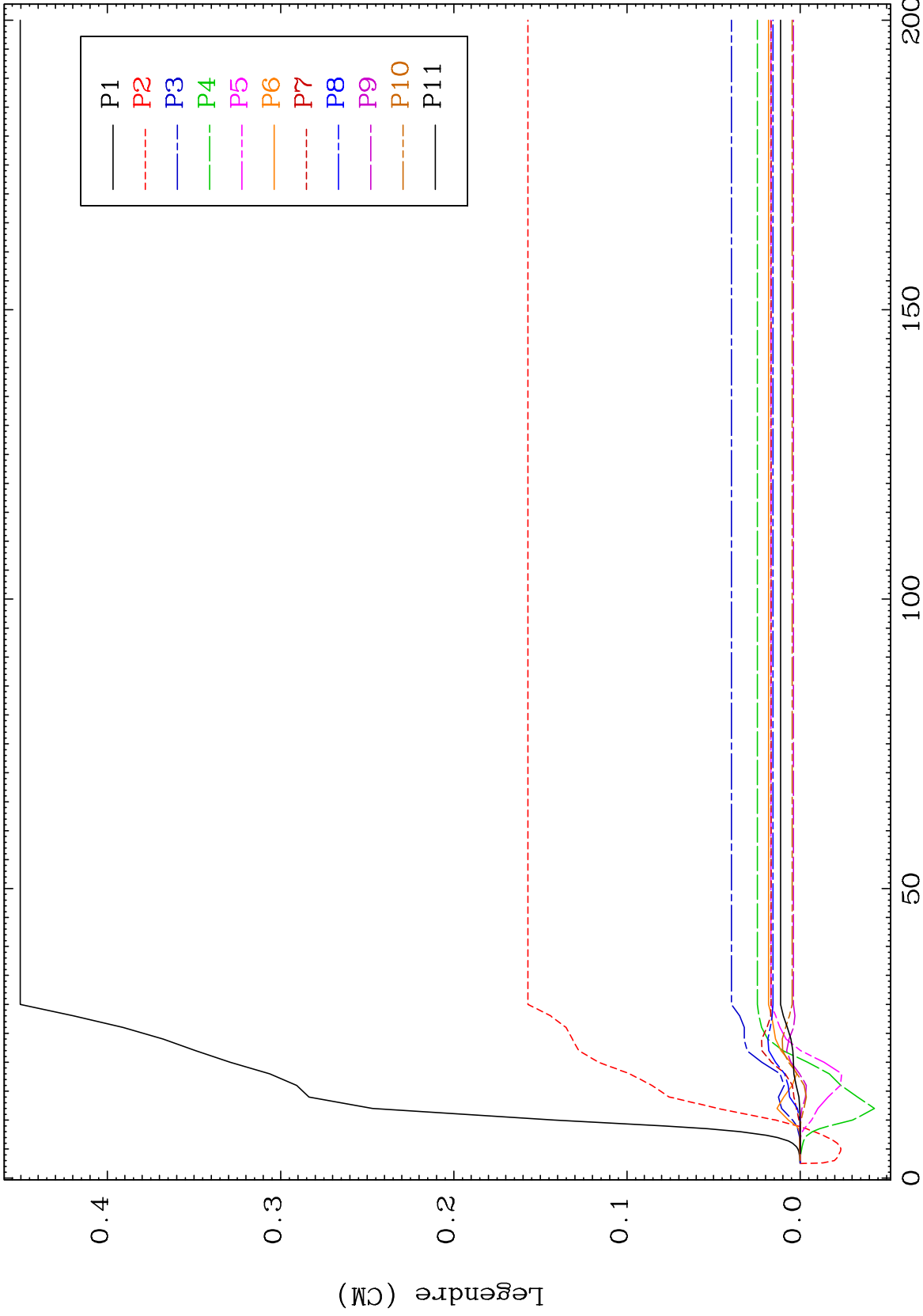
109

31-Ga-81

MAT 3161

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

31-Ga-81



31-Ga-81

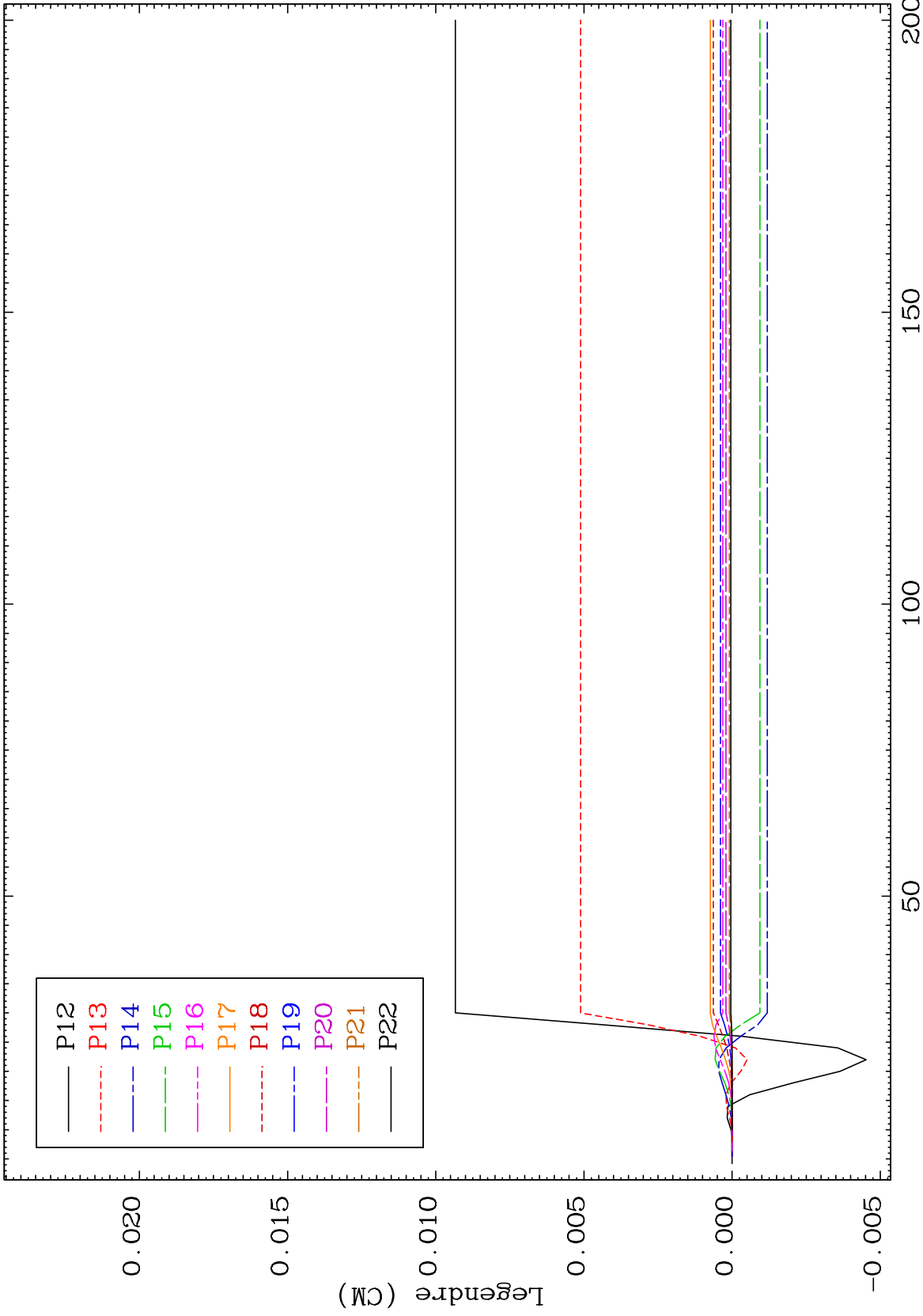
Incident Energy (MeV)

110

MAT 3161

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

31-Ga-81



111

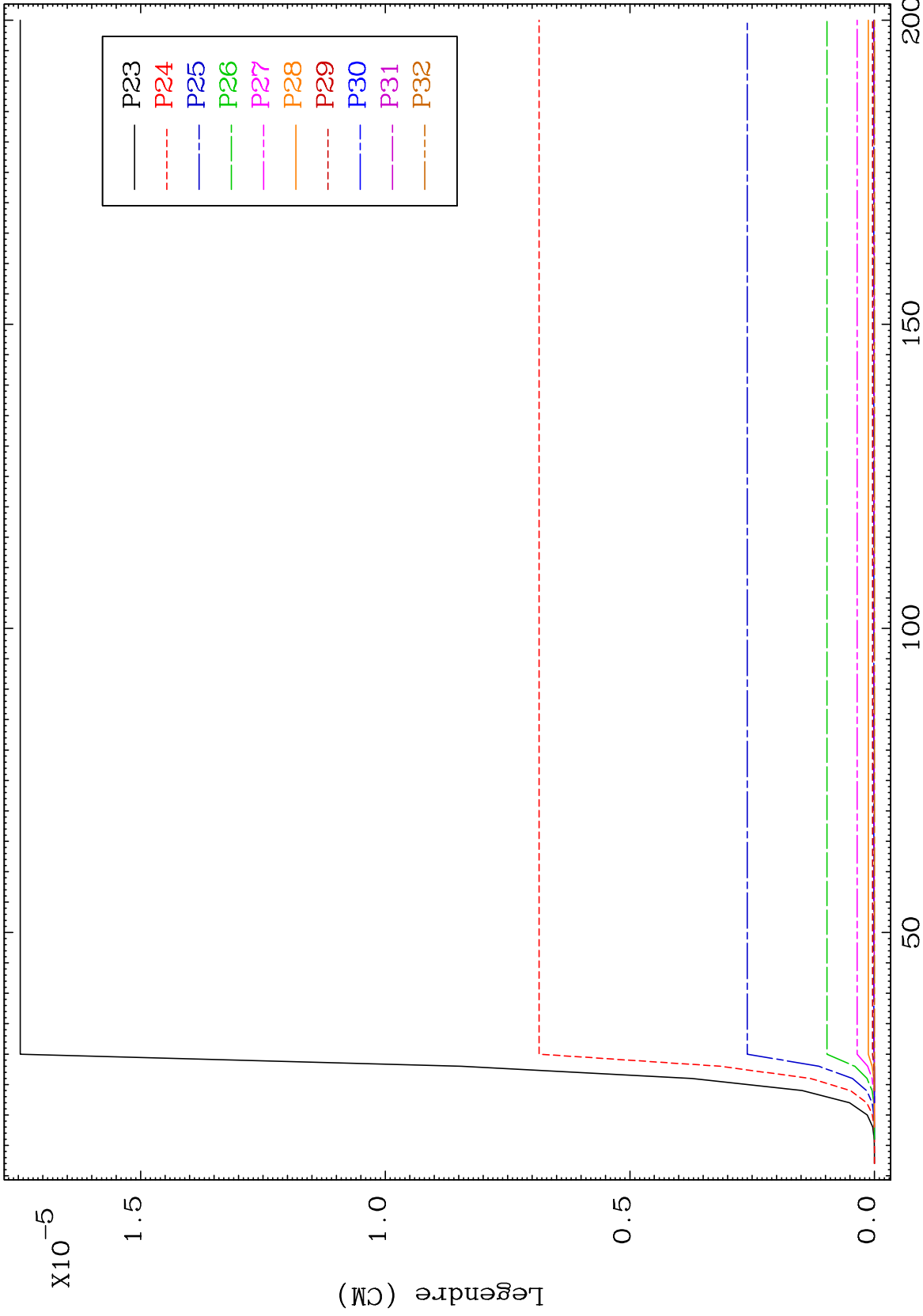
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

31-Ga-81



112

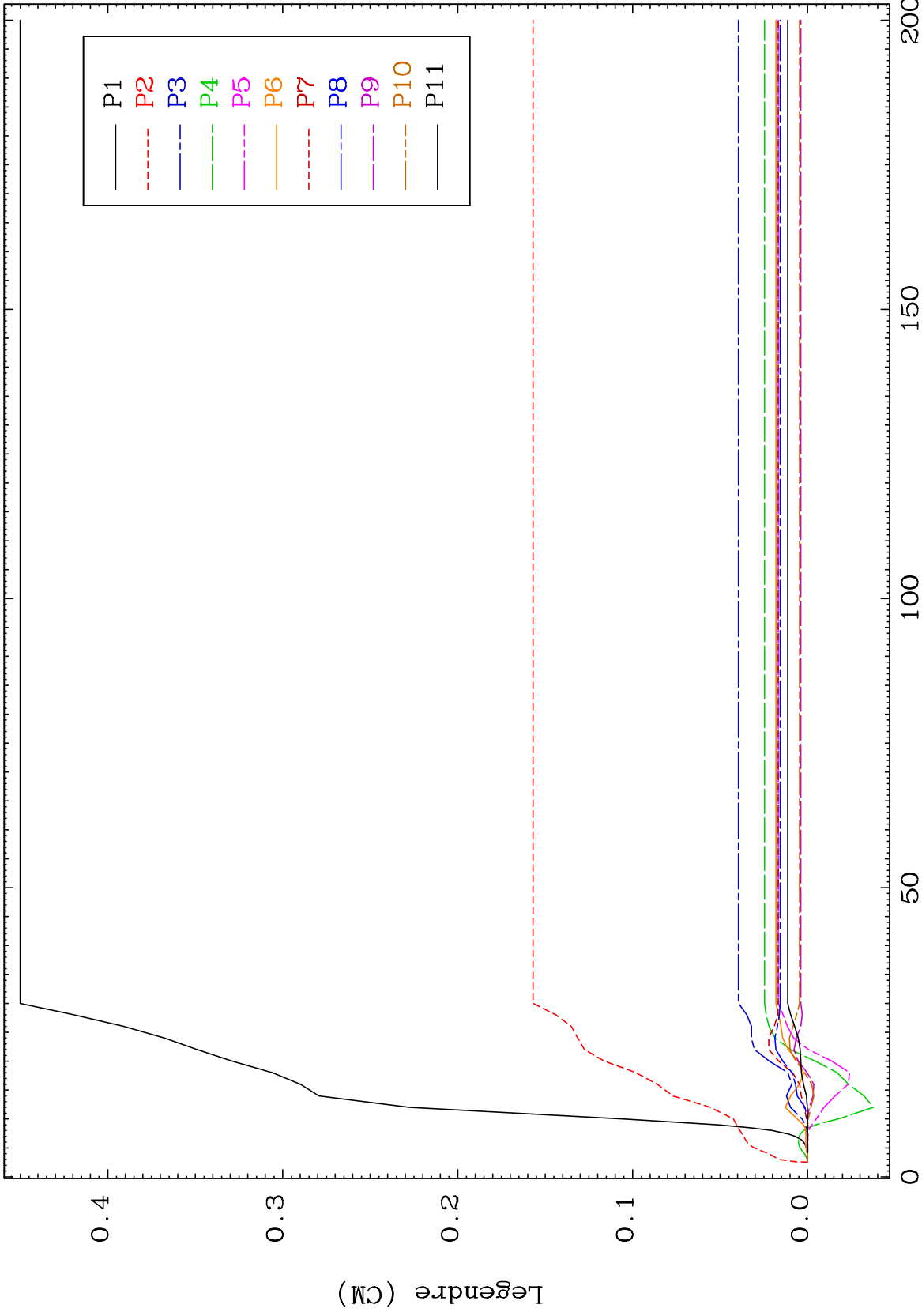
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

31-Ga-81



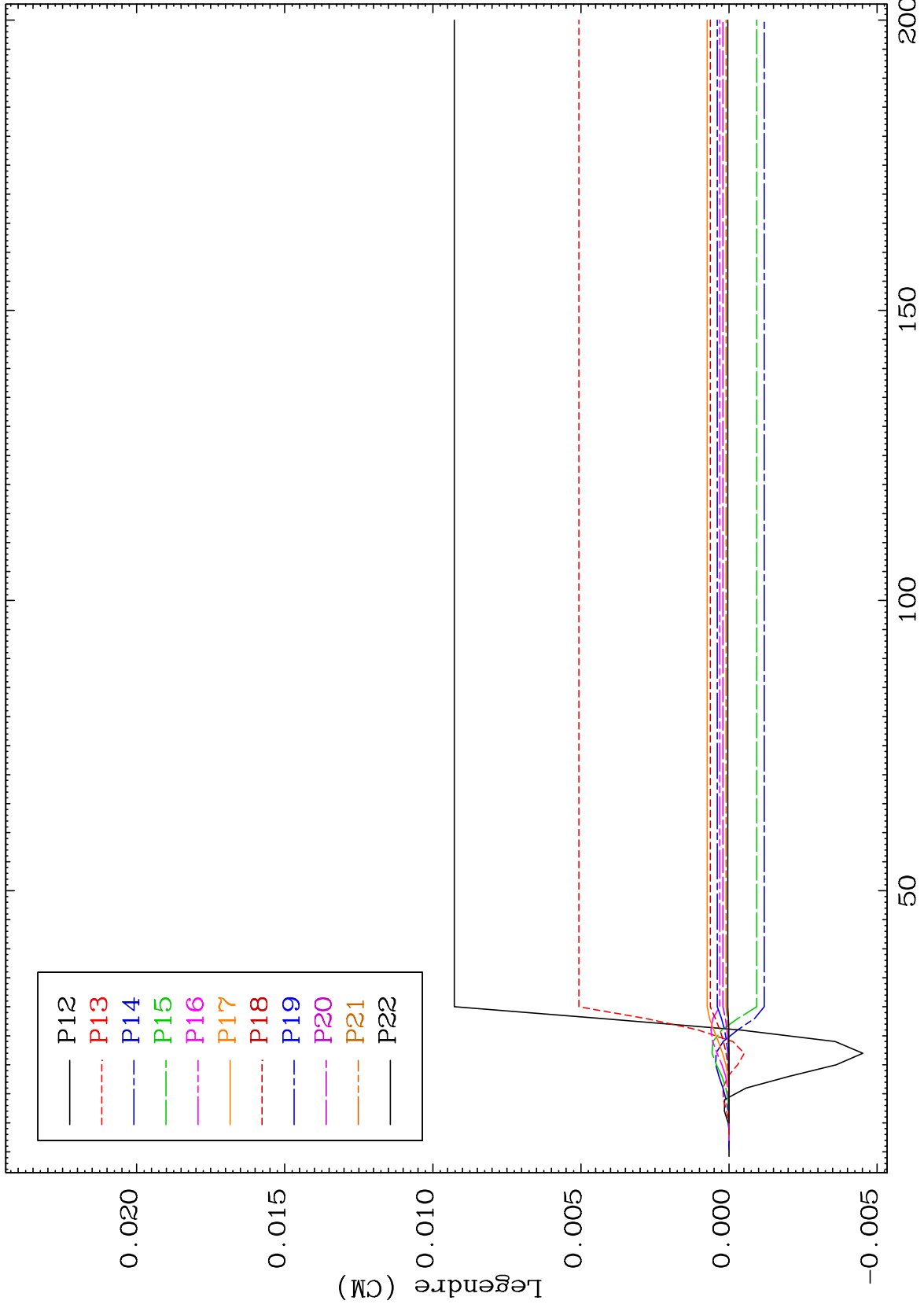
113

31-Ga-81

MAT 3161

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

31-Ga-81



114

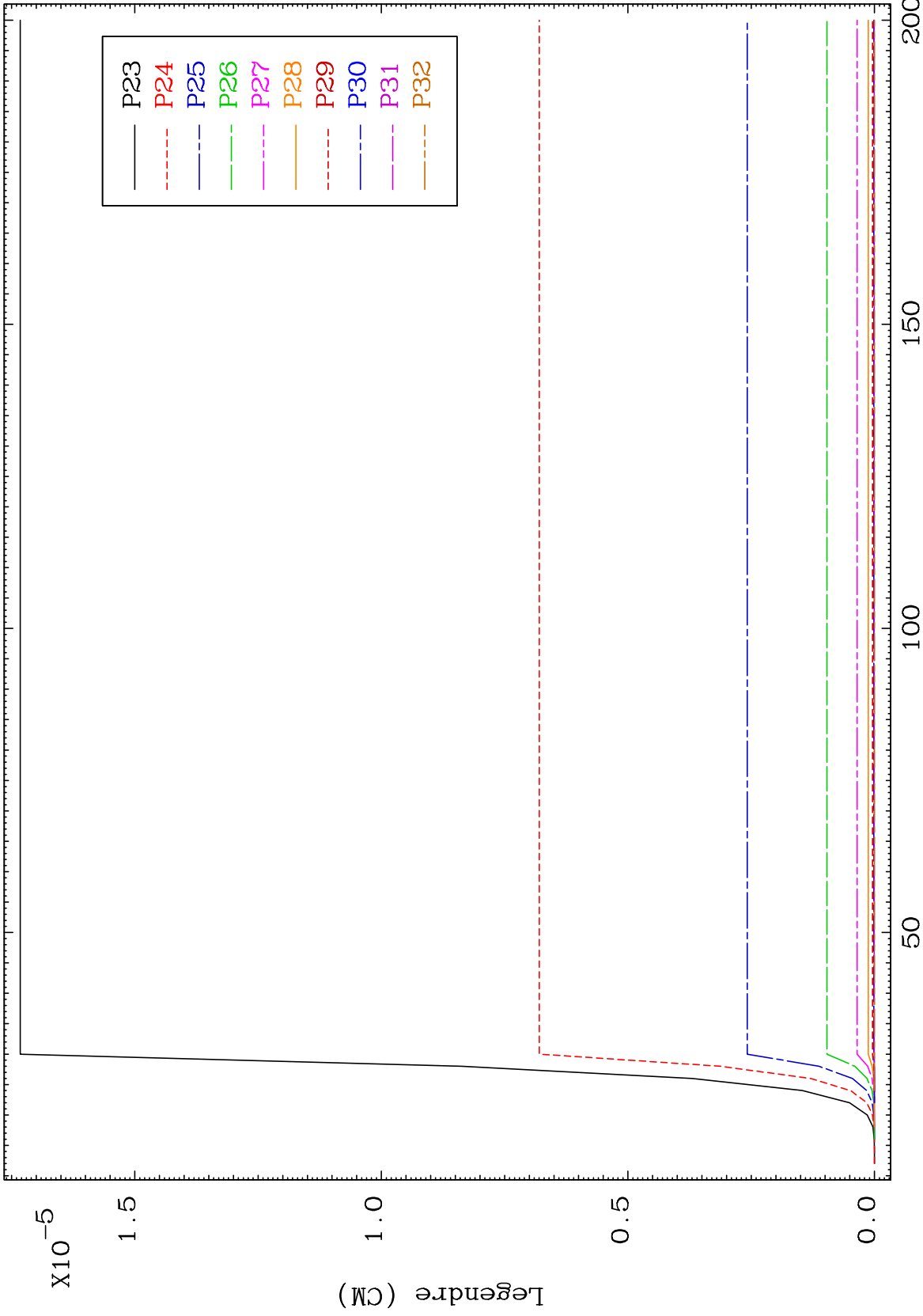
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

31-Ga-81



115

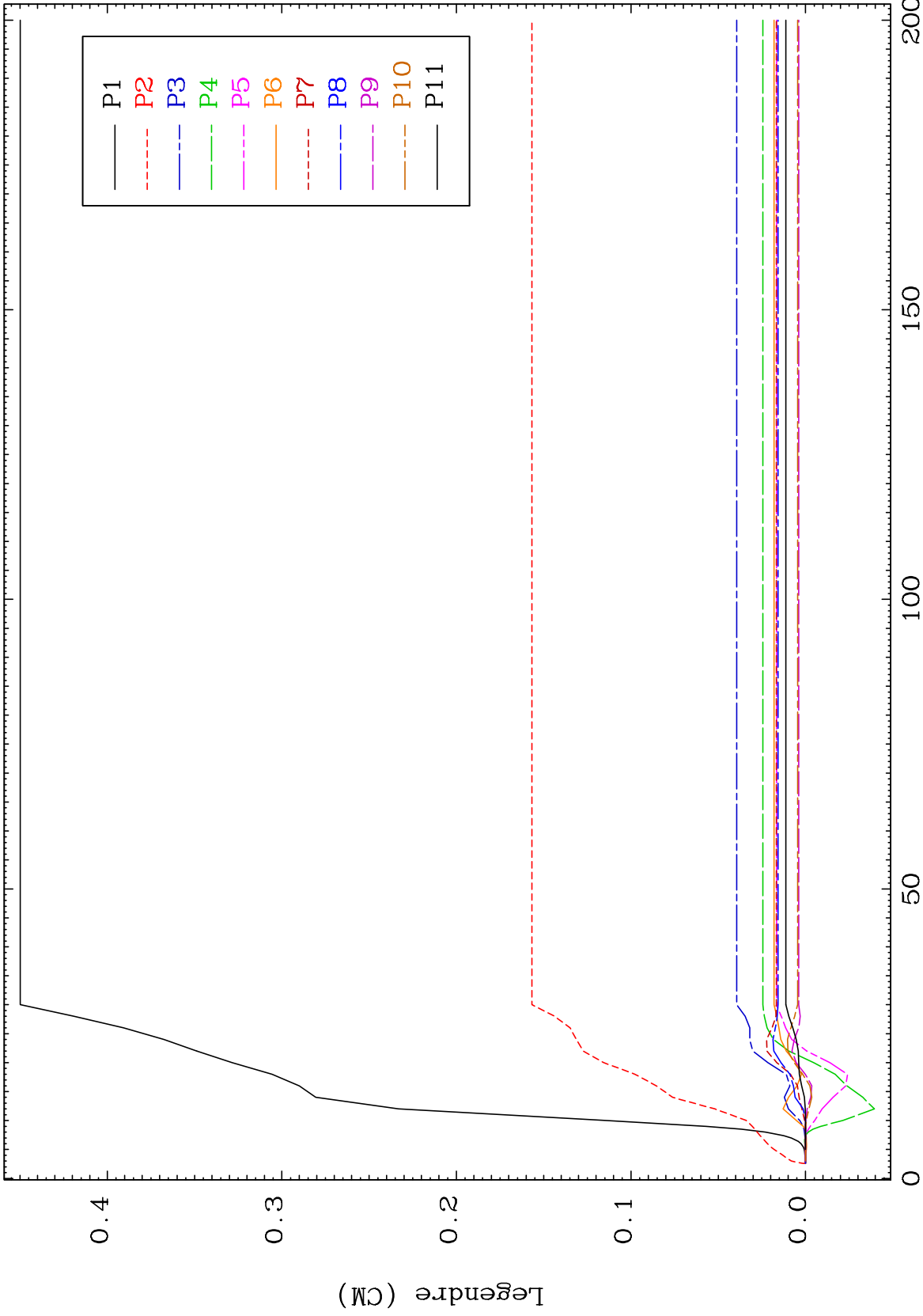
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

31-Ga-81



116

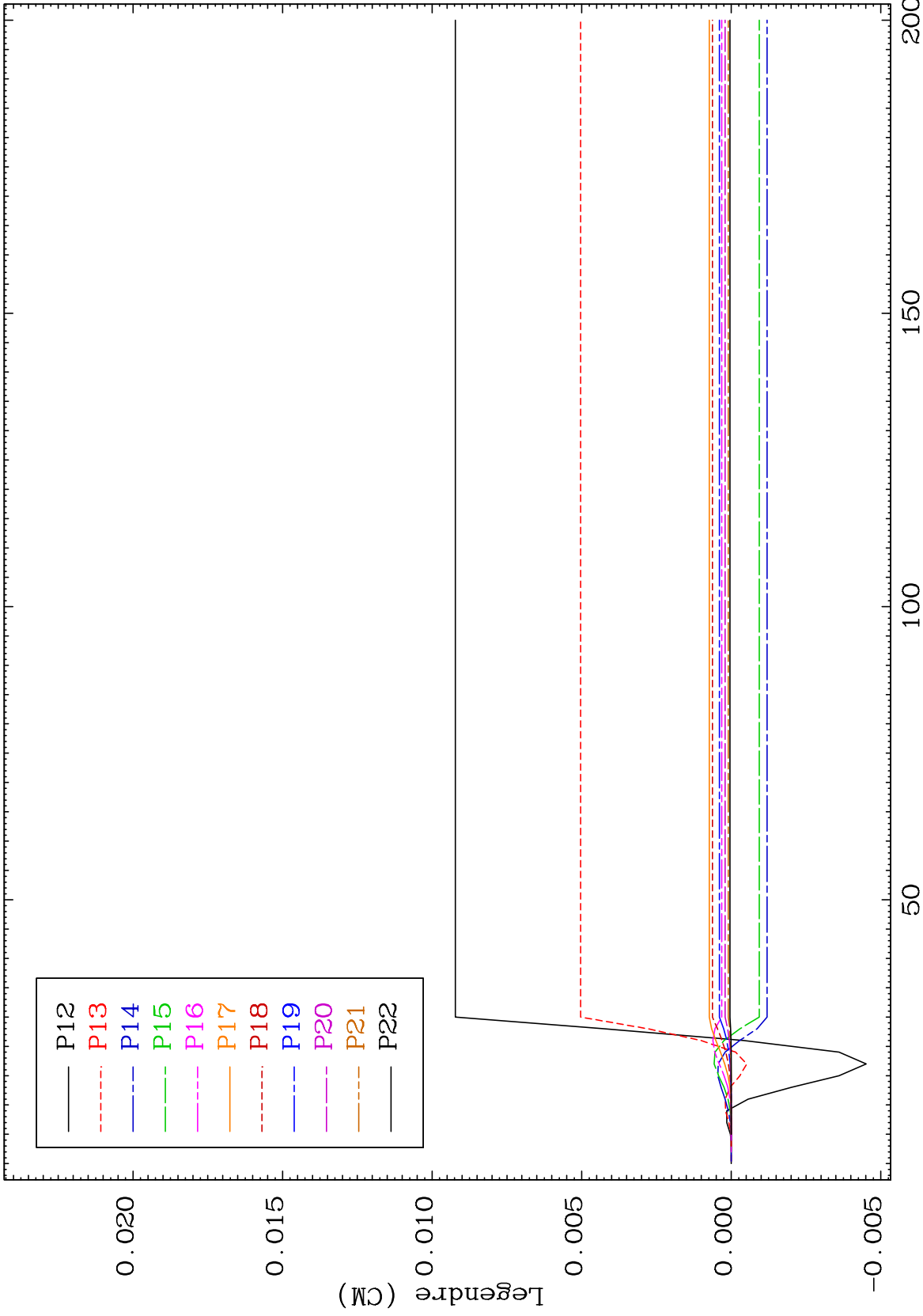
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

31-Ga-81



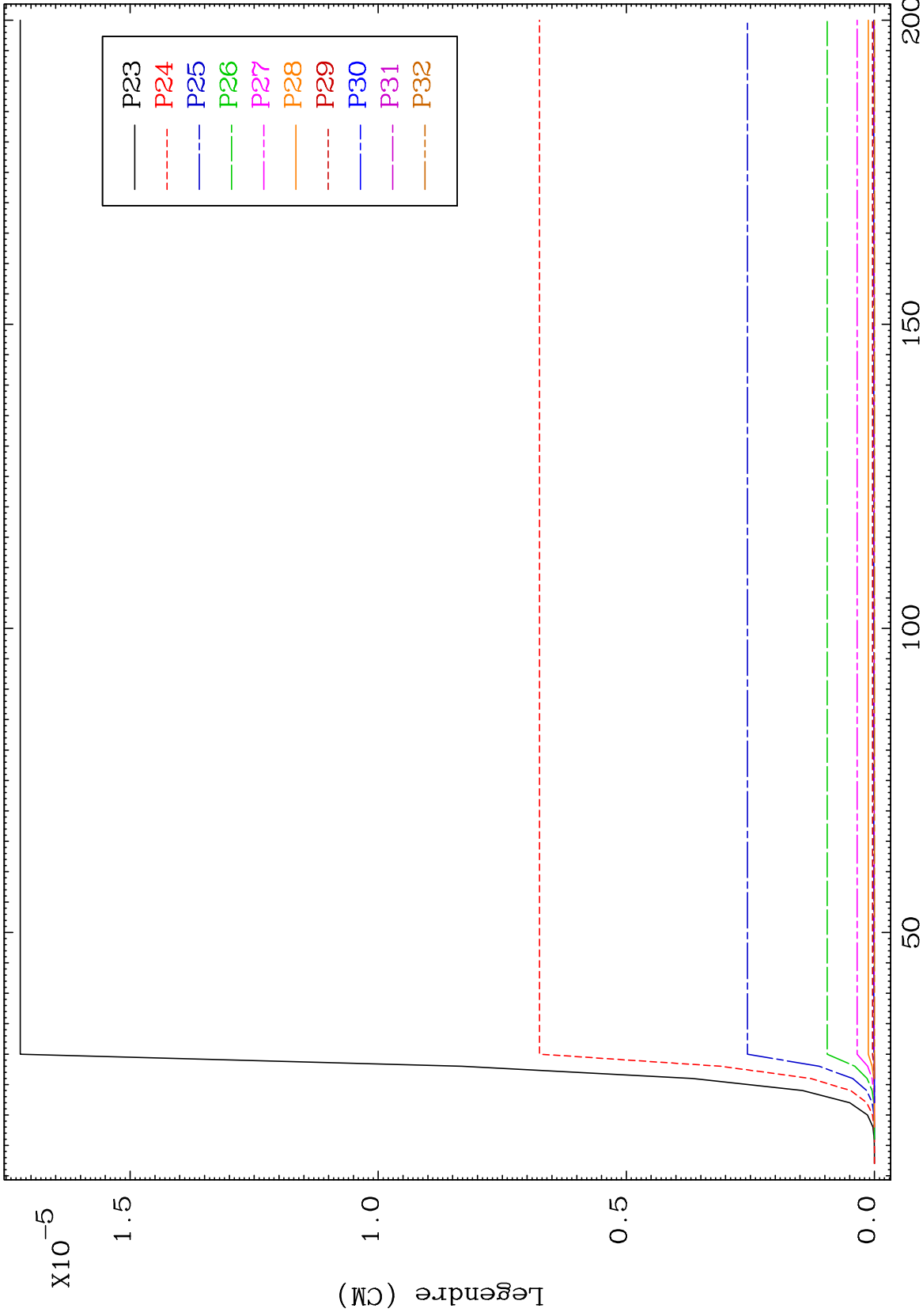
117

31-Ga-81

MAT 3161

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

31-Ga-81



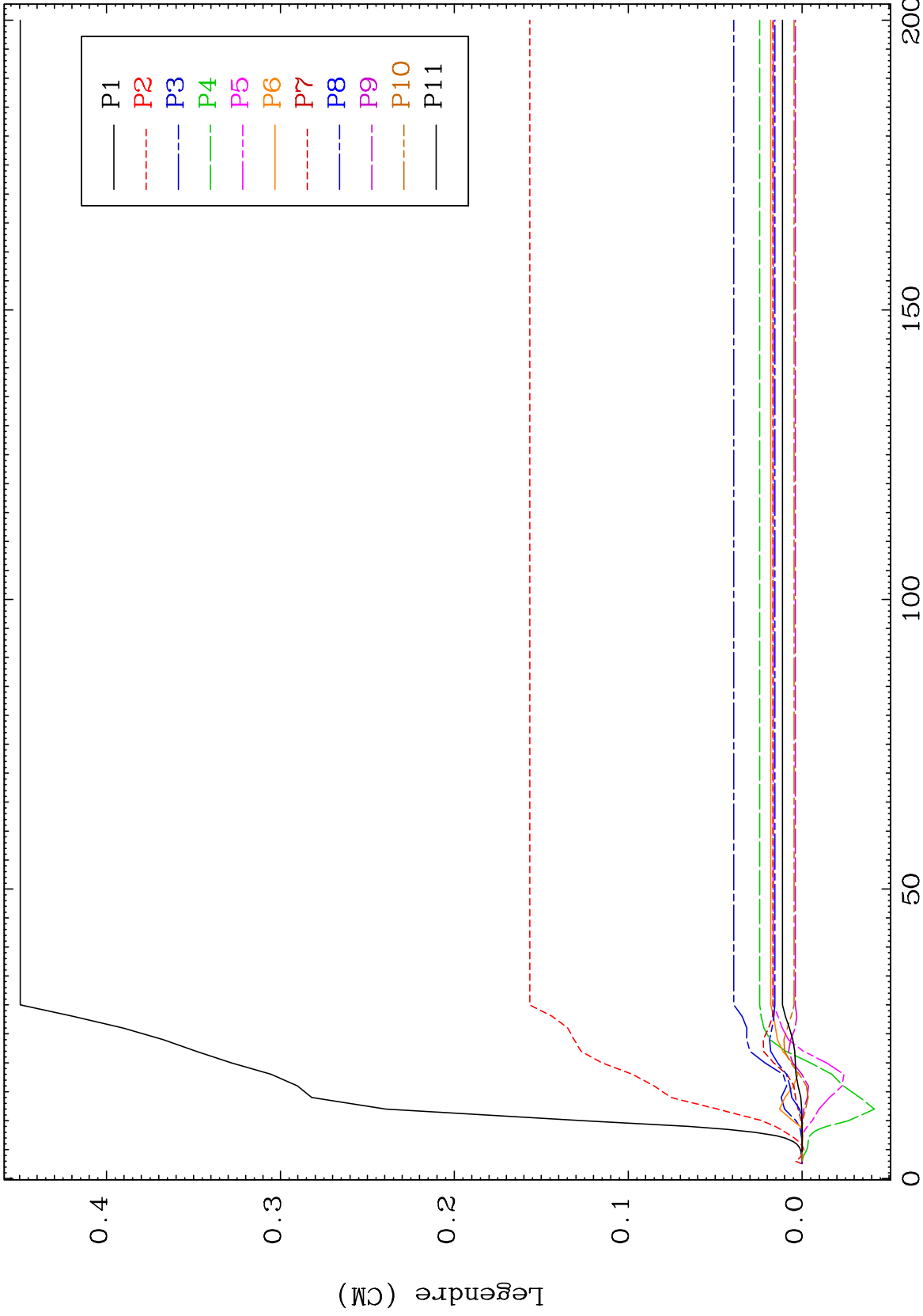
118

31-Ga-81

MAT 3161

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

31-Ga-81



119

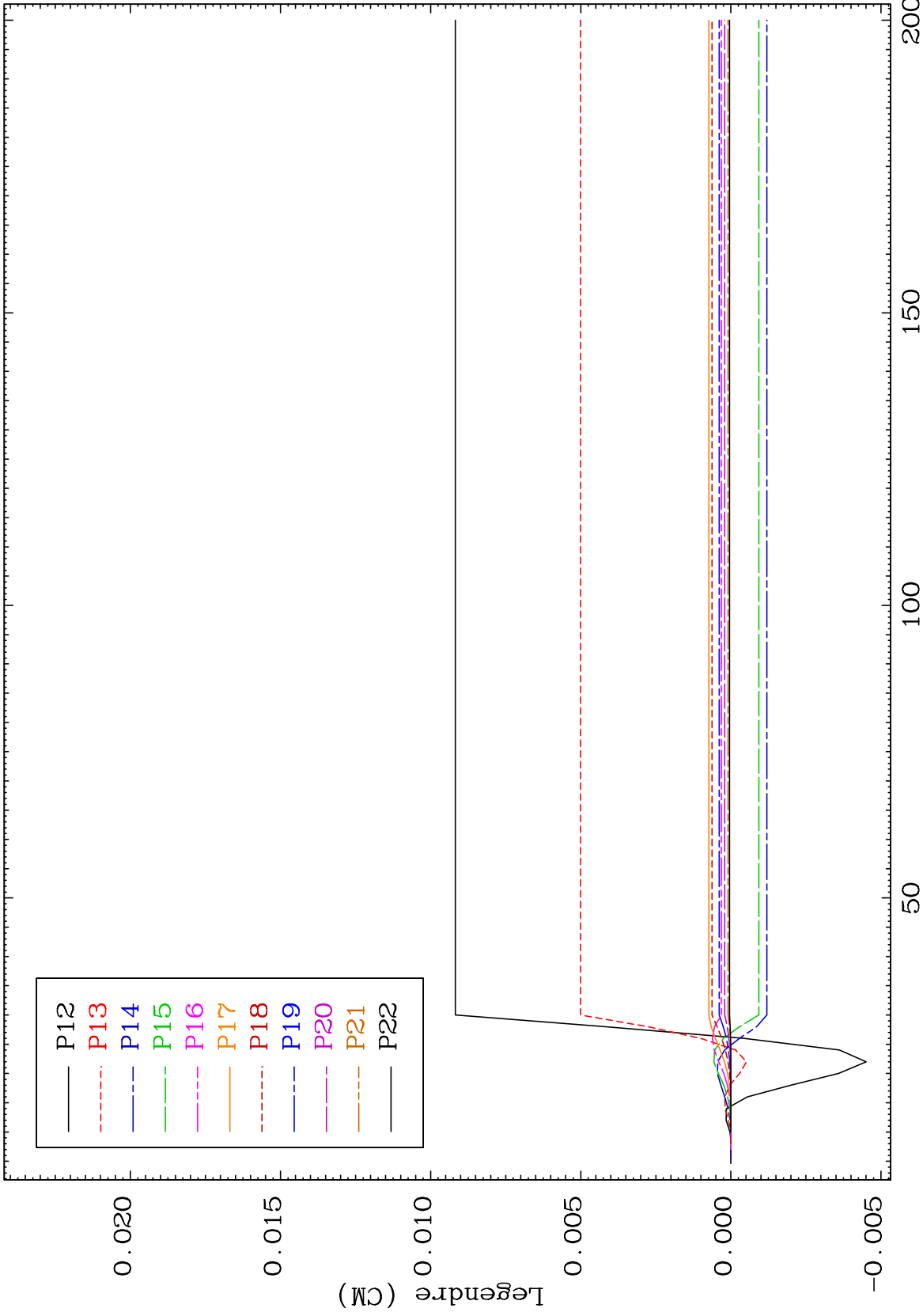
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

31-Ga-81



120

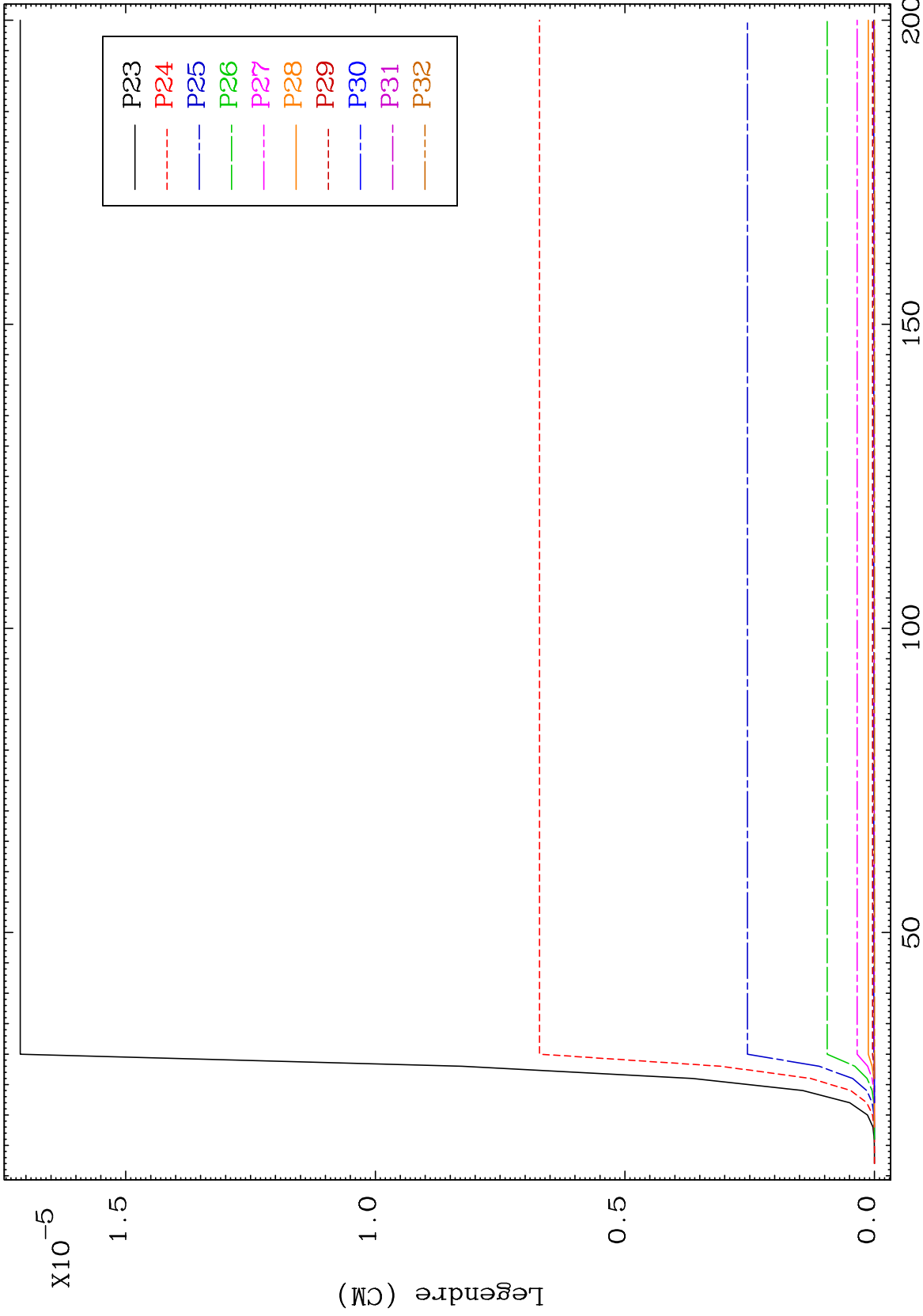
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

31-Ga-81



121

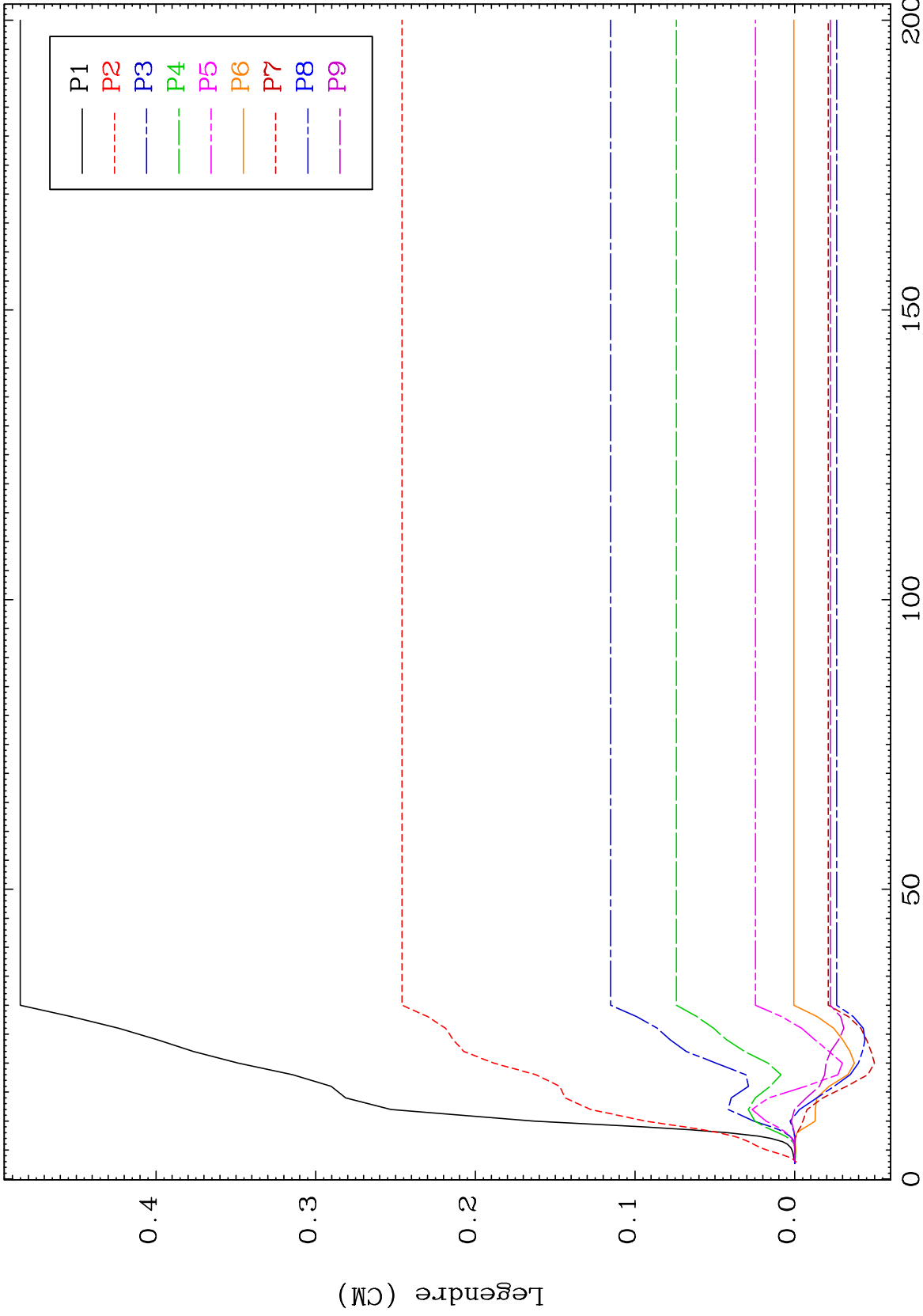
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

31-Ga-81



122

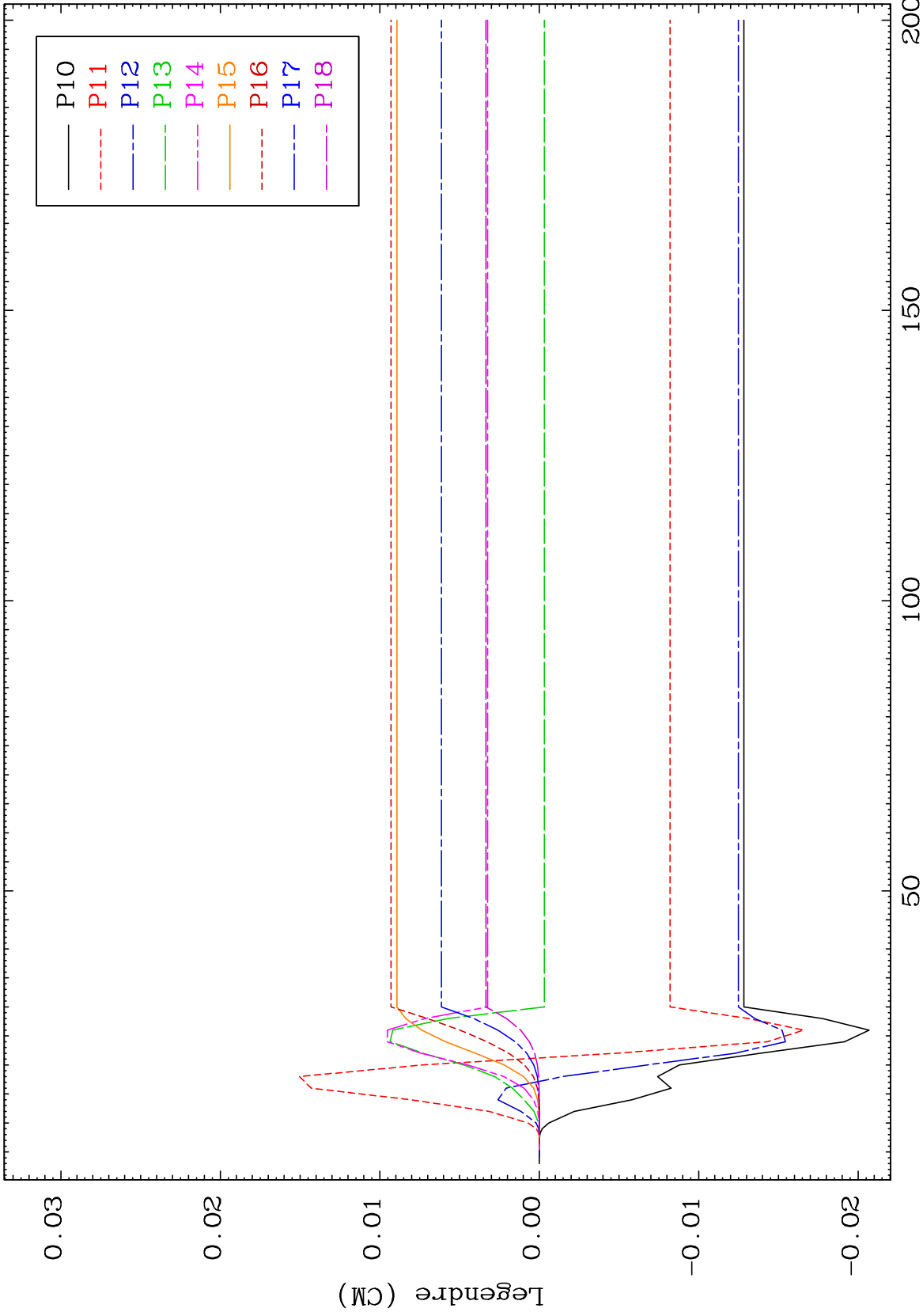
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

31-Ga-81



123

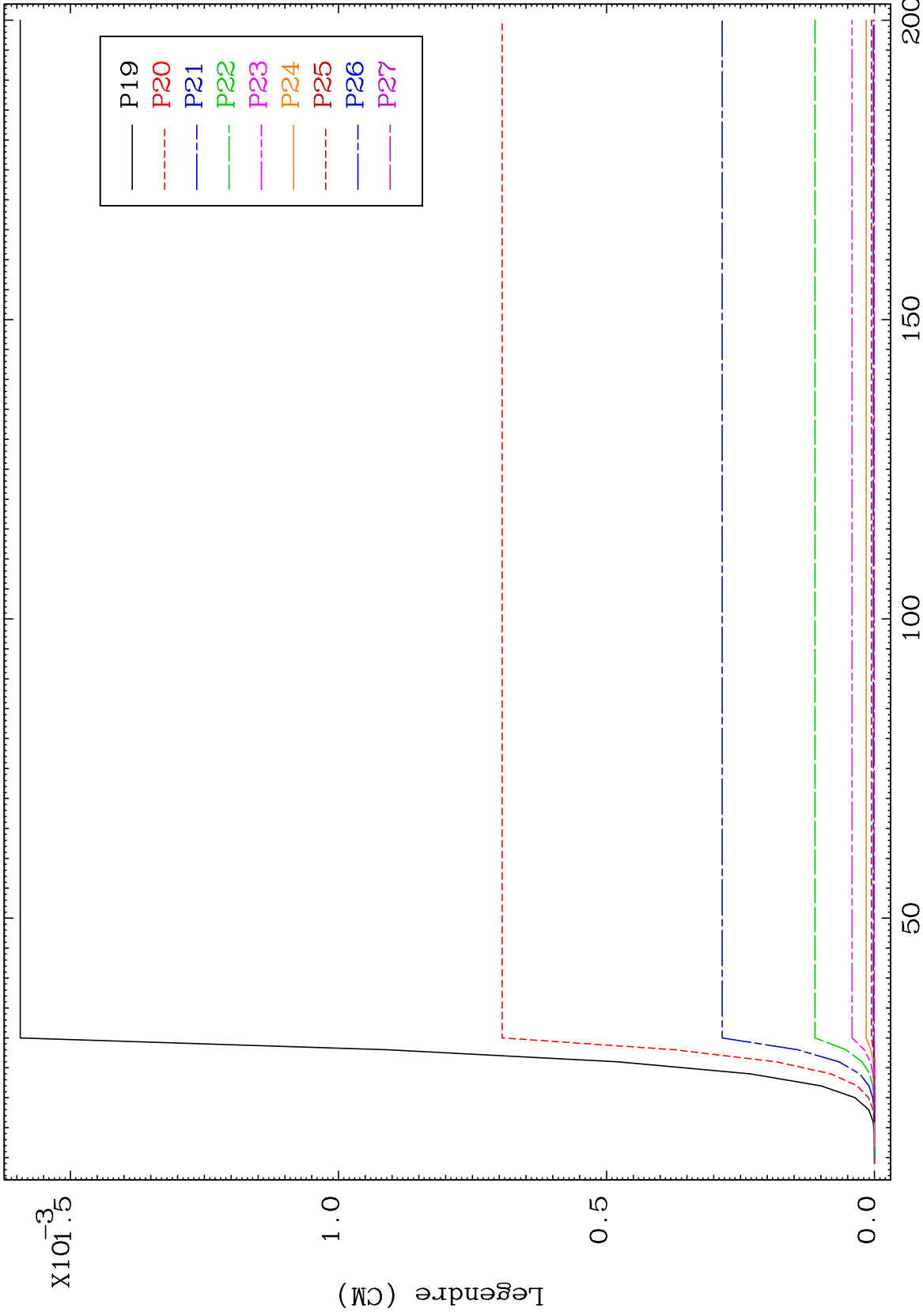
Incident Energy (MeV)

31-Ga-81

MAT 3161

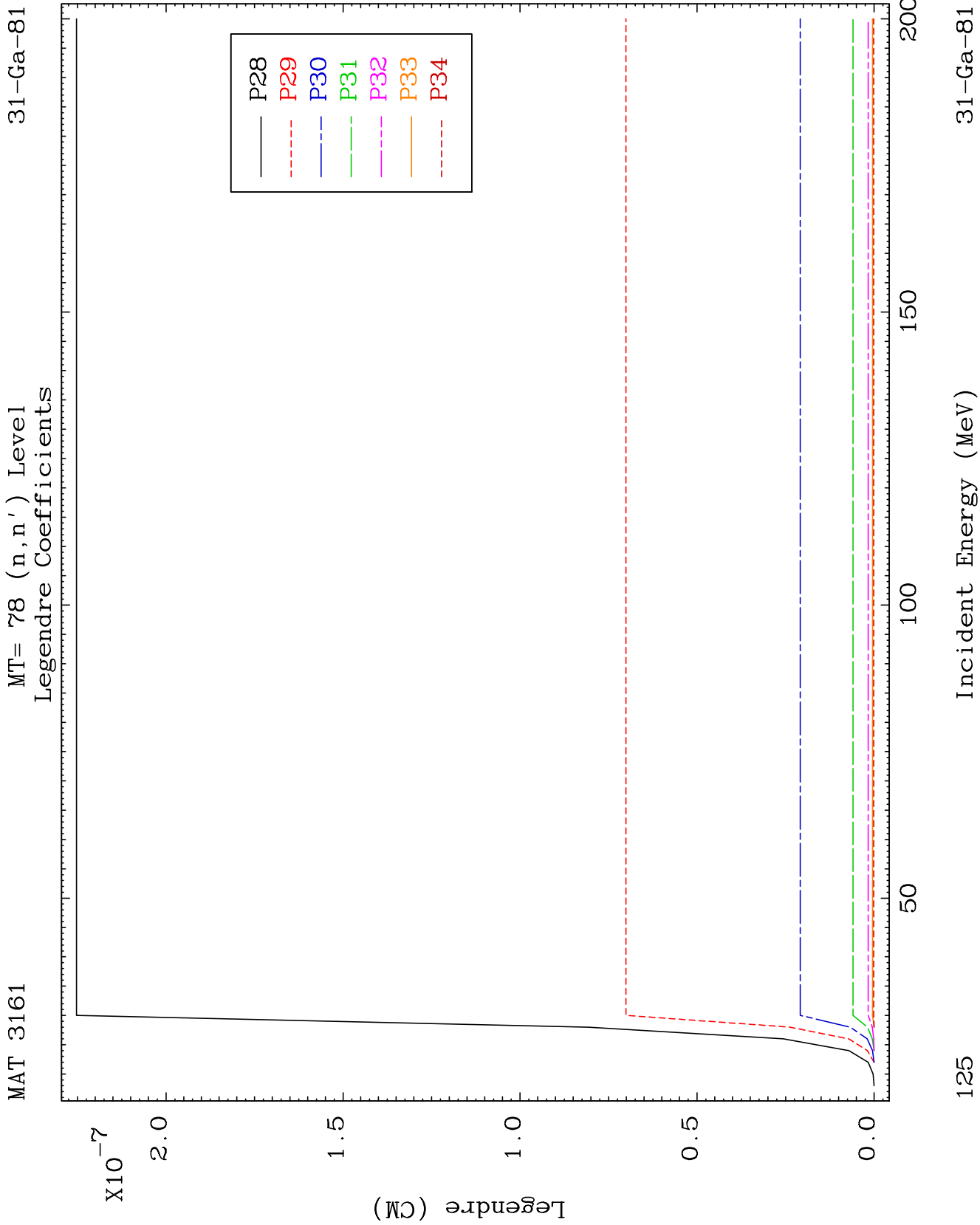
MT= 78 (n,n') Level  
Legendre Coefficients

31-Ga-81



124

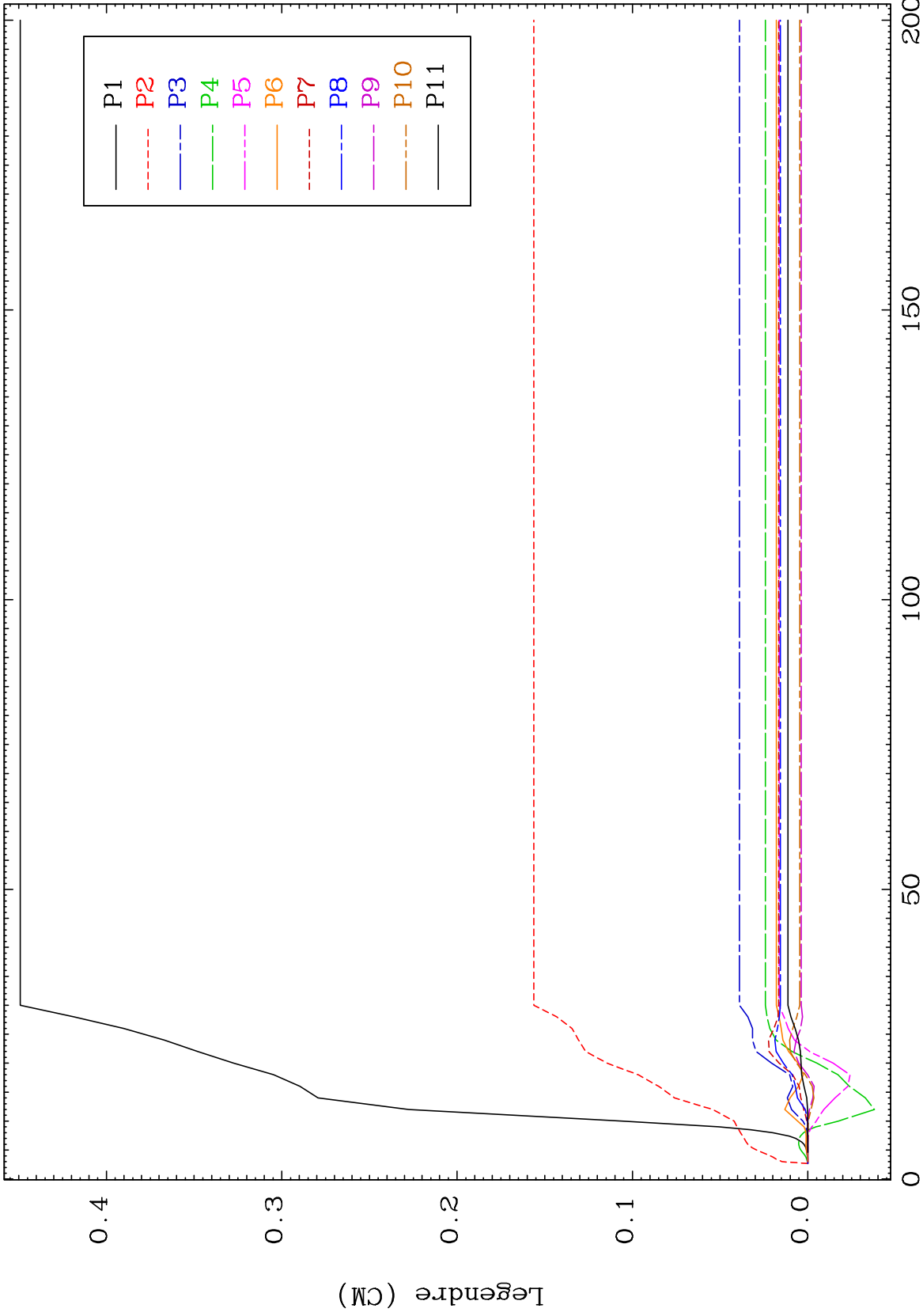
31-Ga-81



MAT 3161

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

31-Ga-81



126

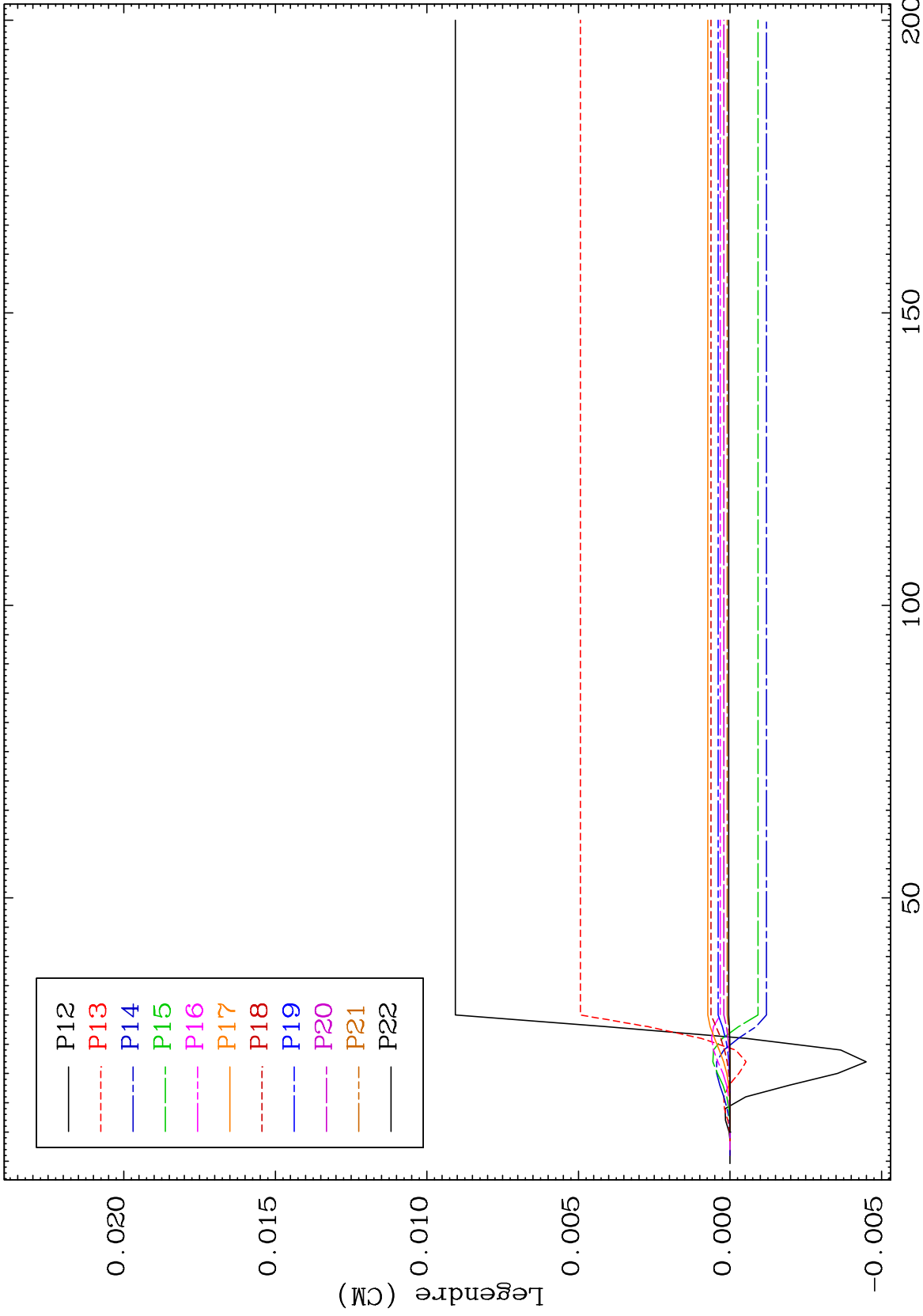
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

31-Ga-81



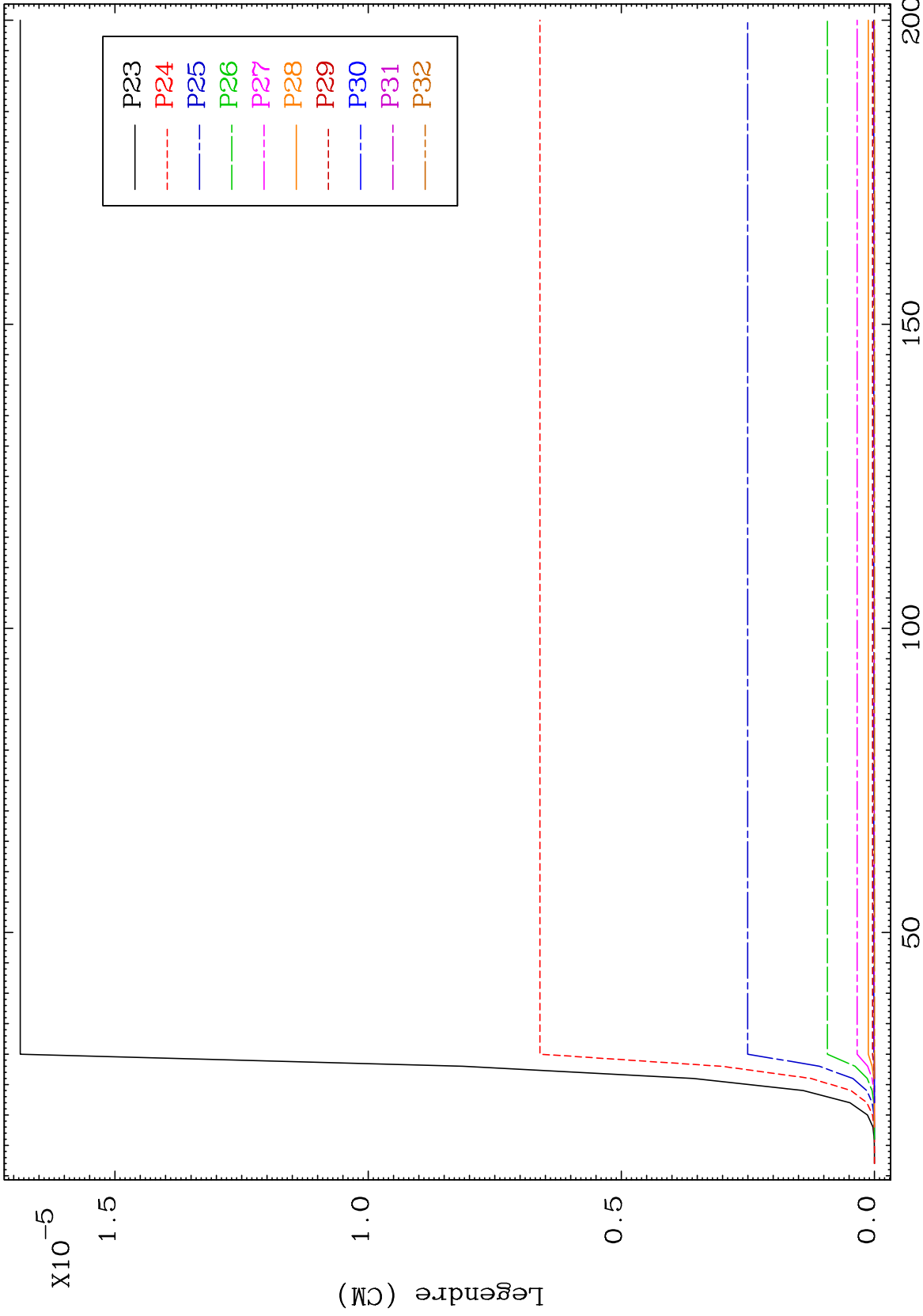
127

31-Ga-81

MAT 3161

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

31-Ga-81



128

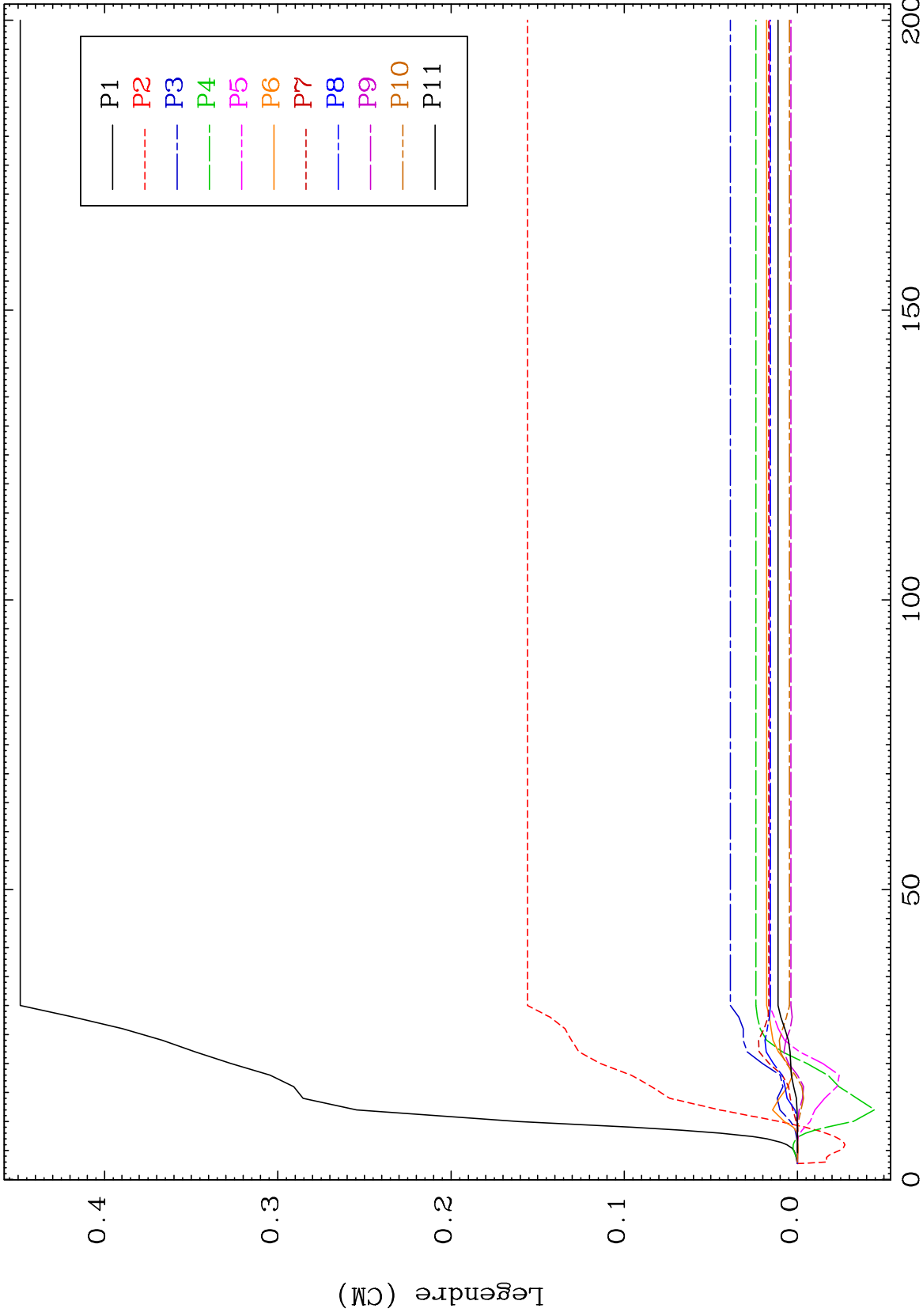
Incident Energy (MeV)

31-Ga-81

MAT 3161

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

31-Ga-81

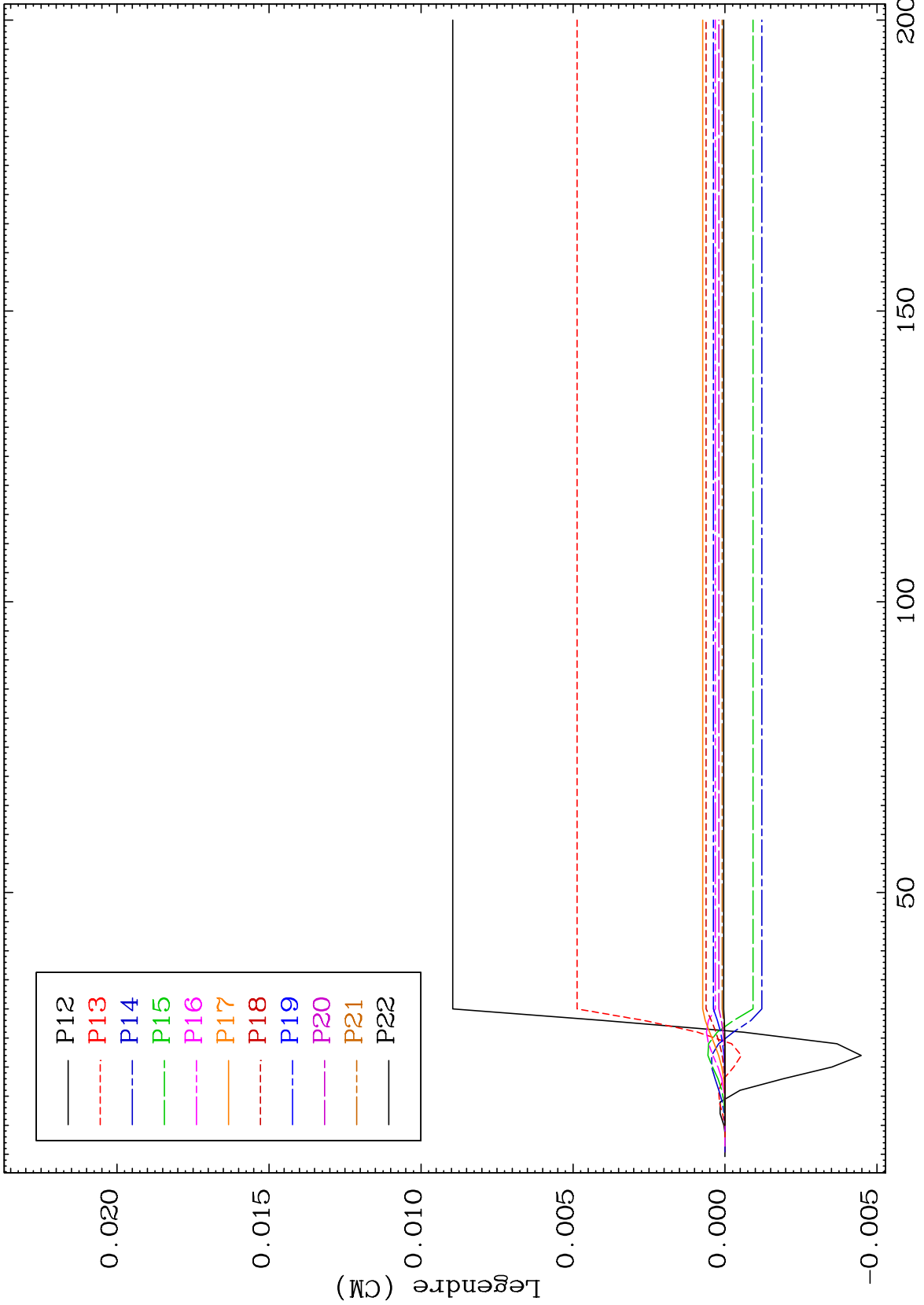


129

Incident Energy (MeV)

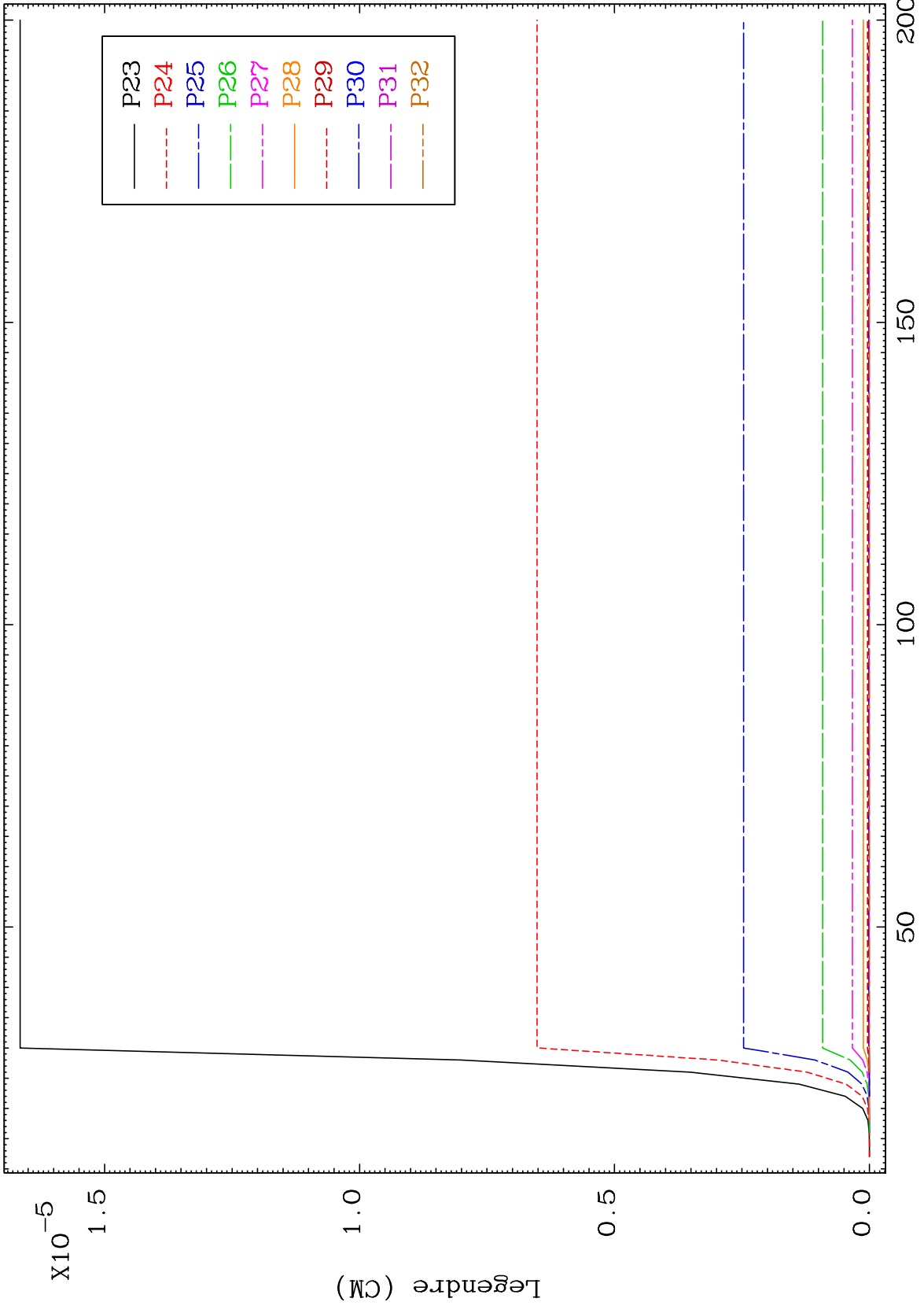
31-Ga-81

MAT 3161 MT= 80 (n,n') Level Legendre Coefficients 31-Ga-81

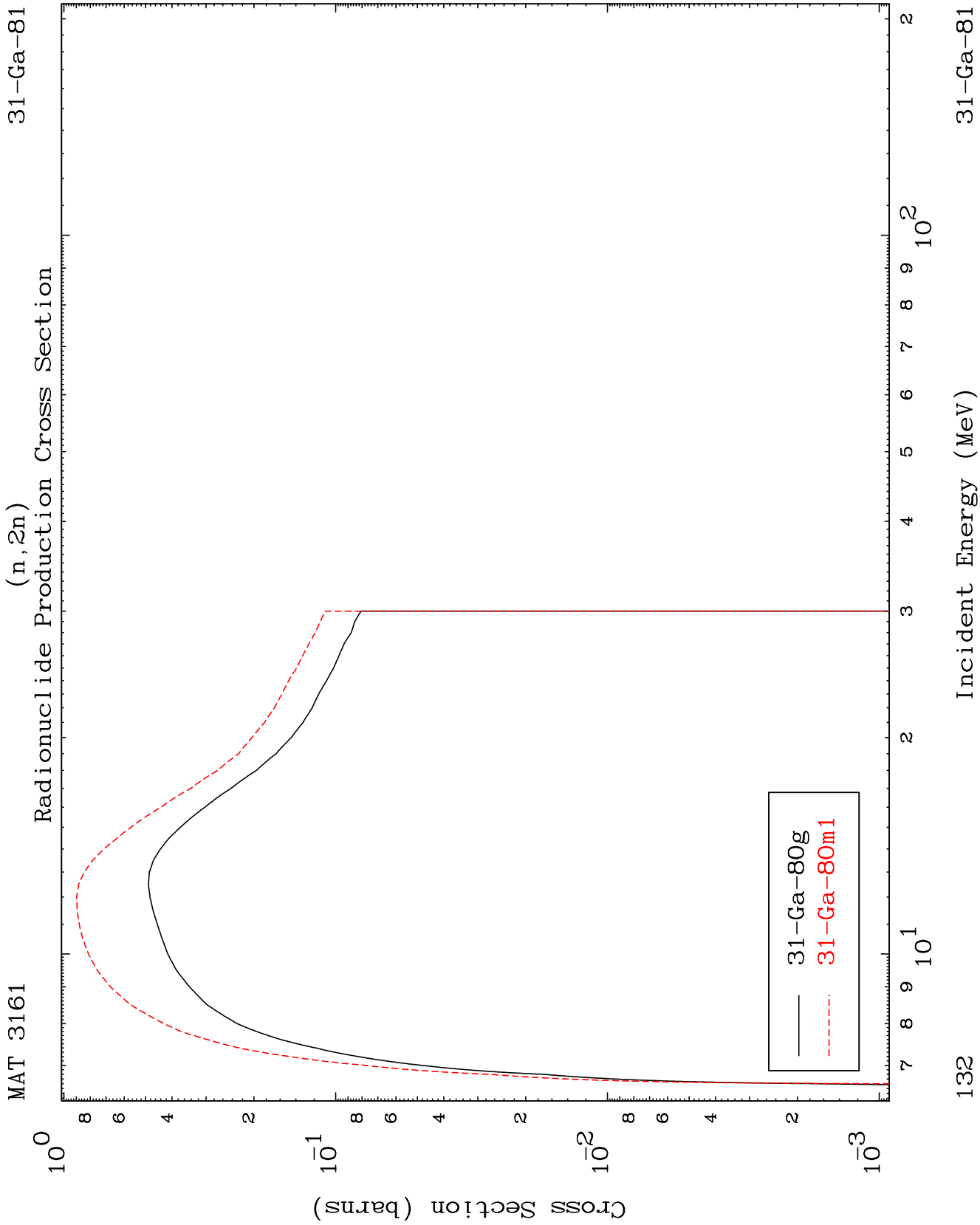


31-Ga-81 Incident Energy (MeV) 130

MAT 3161 MT= 80 (n,n') Level Legendre Coefficients 31-Ga-81



131 31-Ga-81

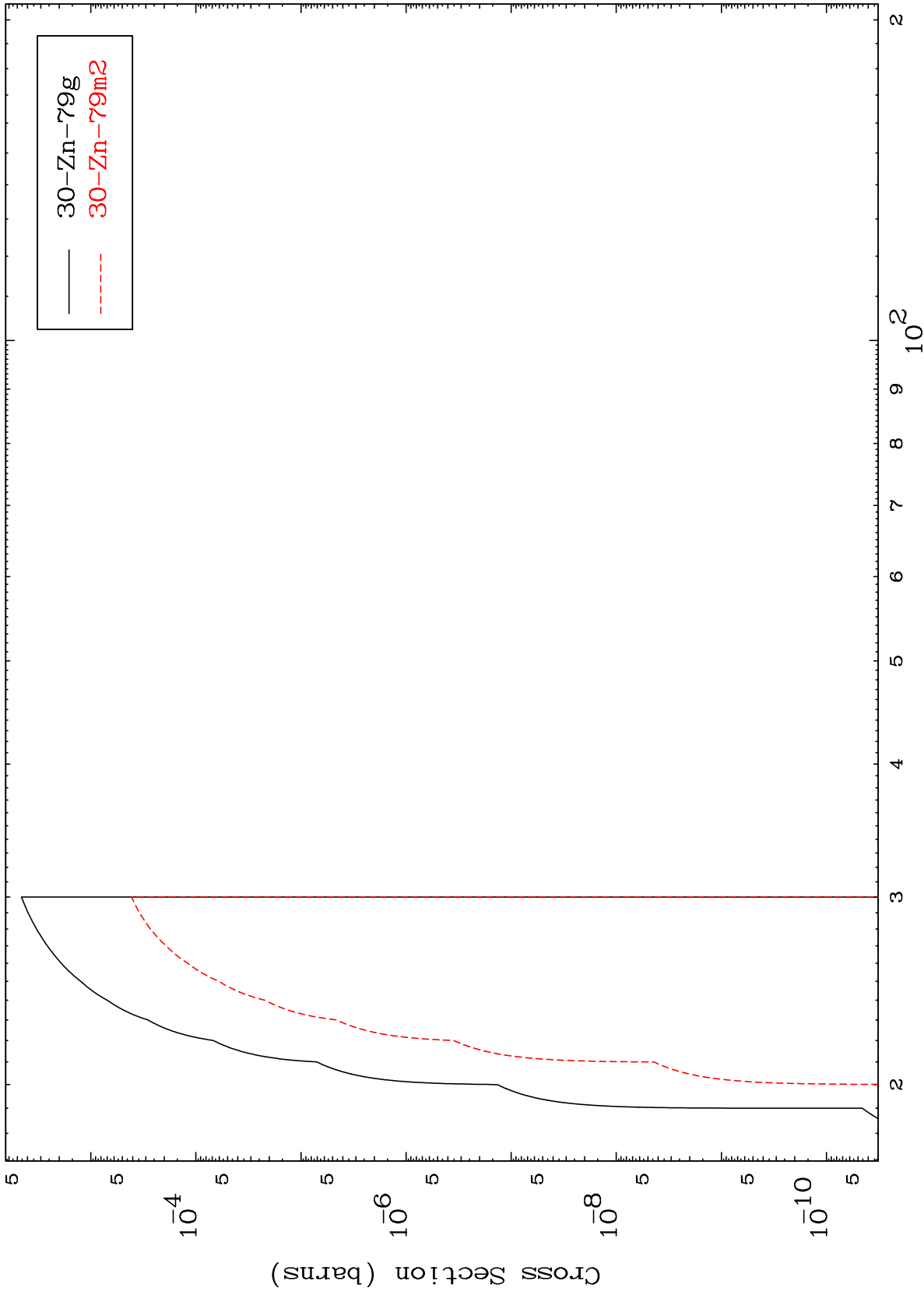


MAT 3161

(n,n') d

31-Ga-81

Radionuclide Production Cross Section



133

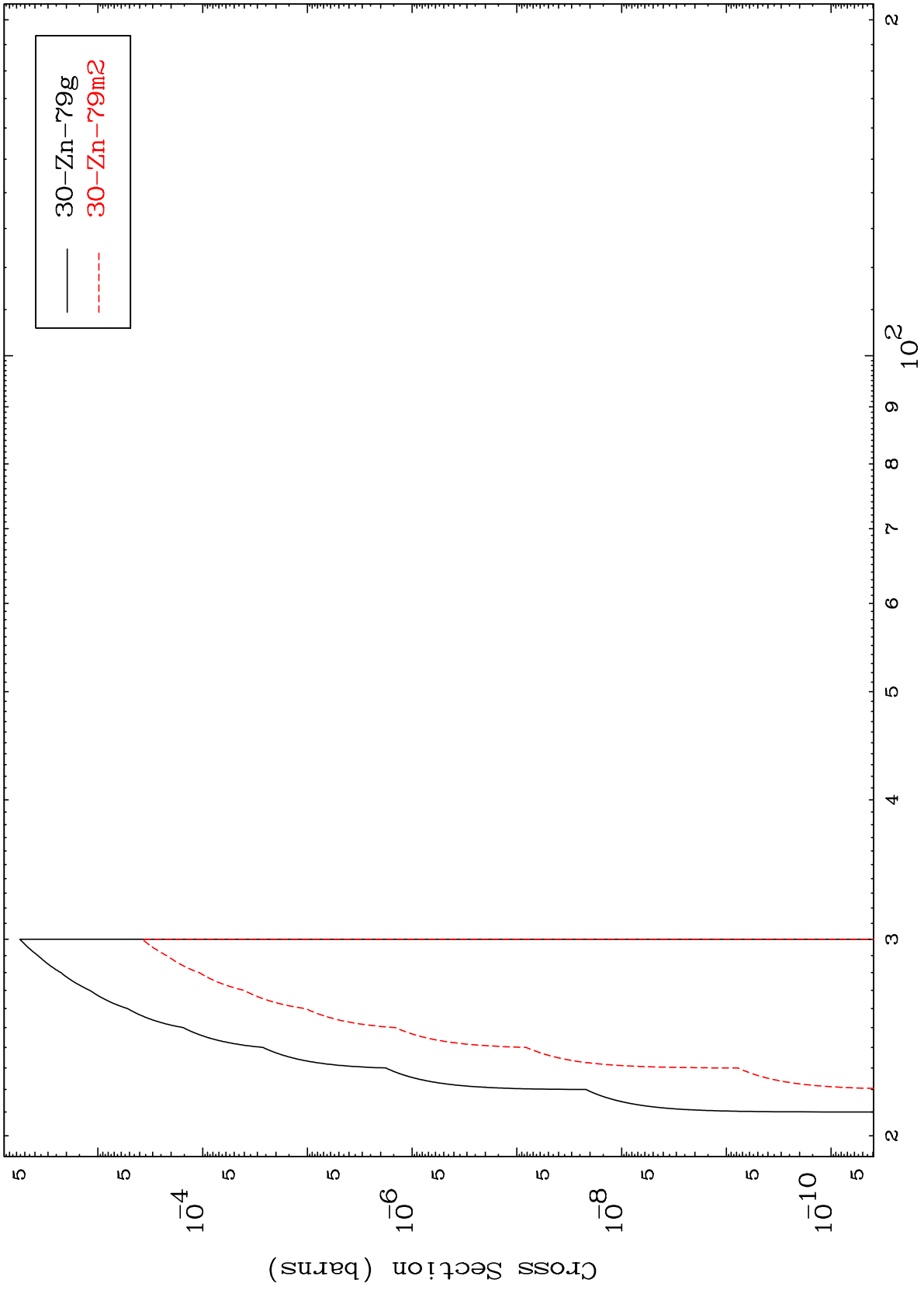
Incident Energy (MeV)

31-Ga-81

MAT 3161

31-Ga-81

(n,2n) p  
Radionuclide Production Cross Section



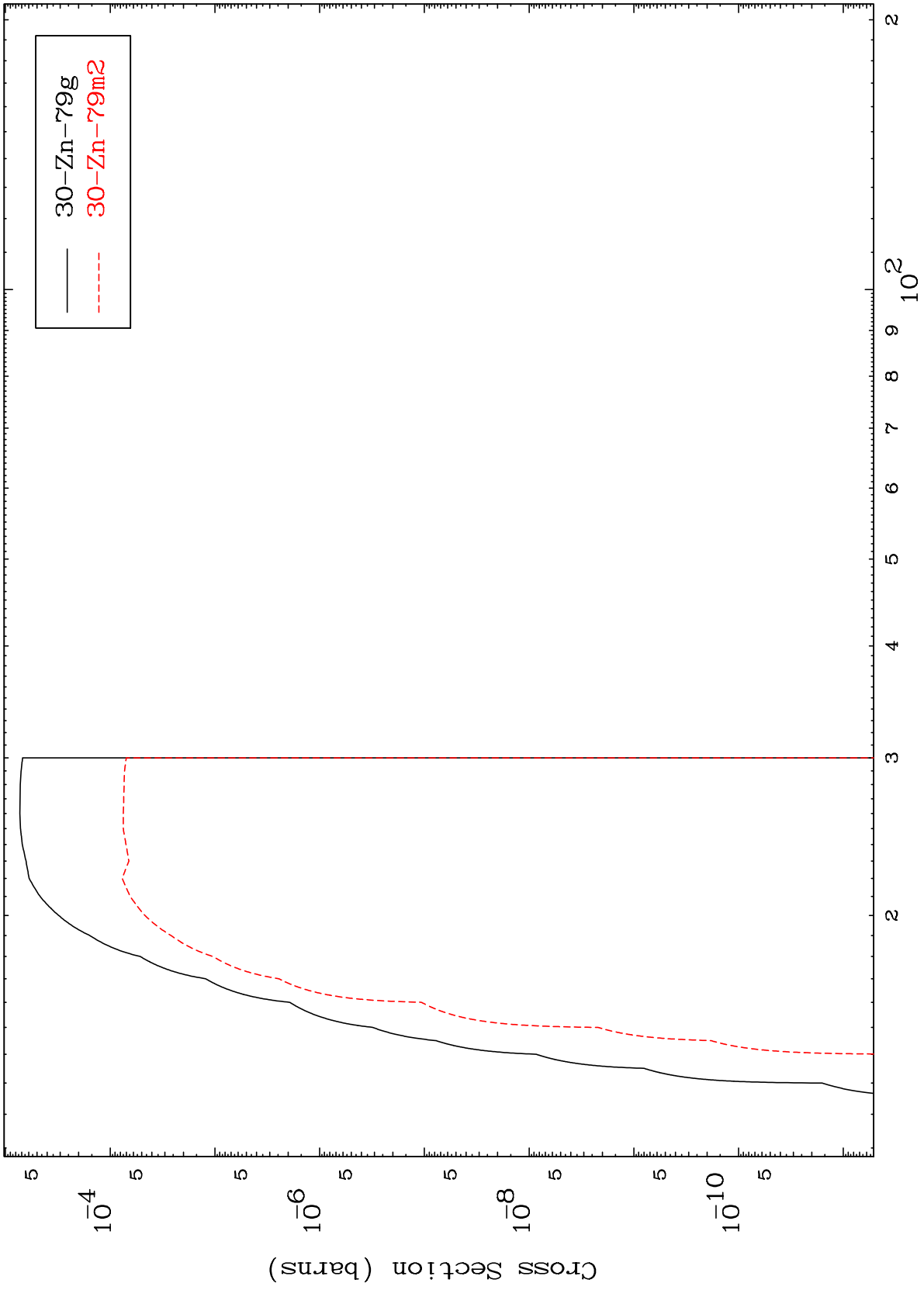
134

31-Ga-81

MAT 3161

31-Ga-81

(n, t)  
Radionuclide Production Cross Section



135

31-Ga-81