

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

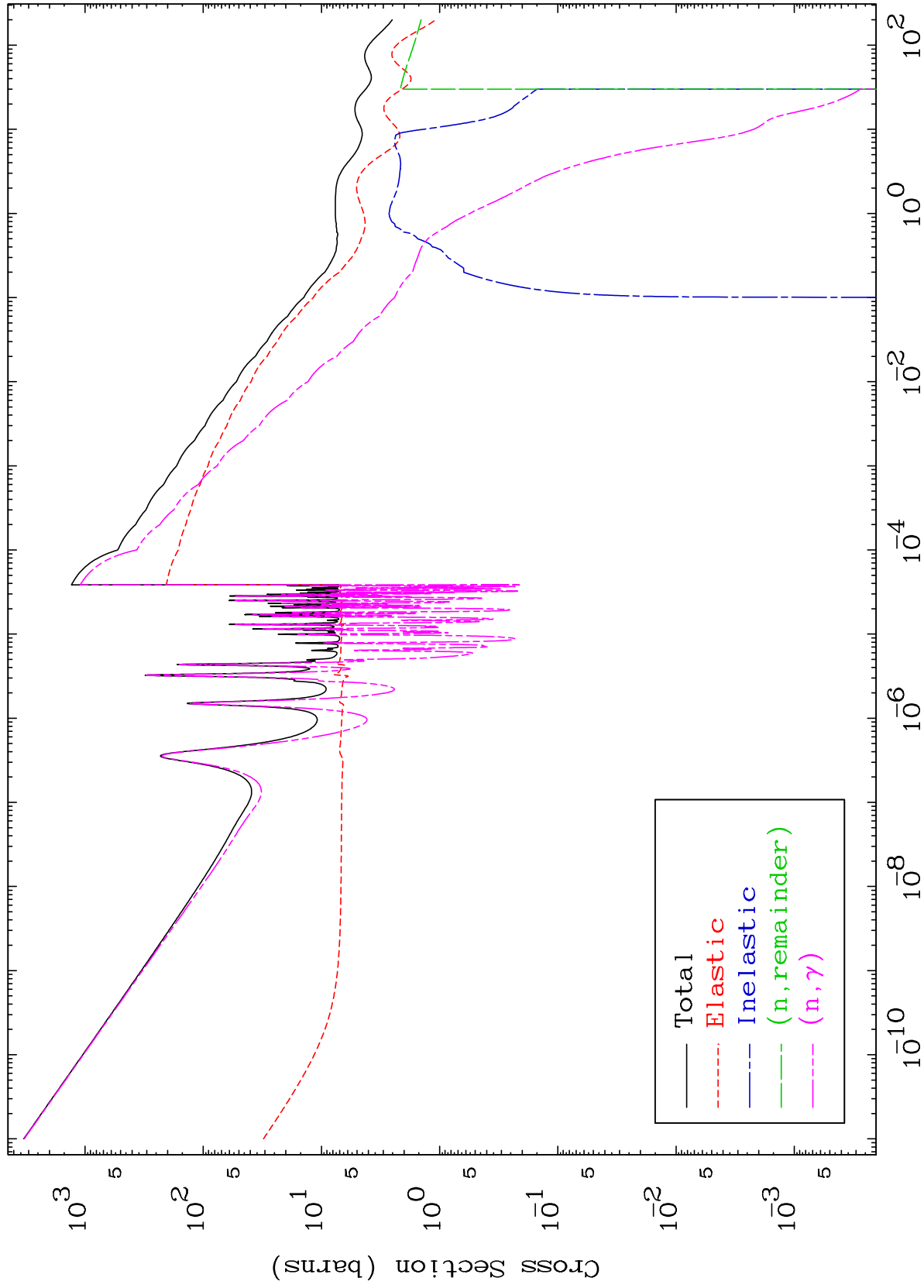
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6719

Major
293 Kelvin Cross Sections

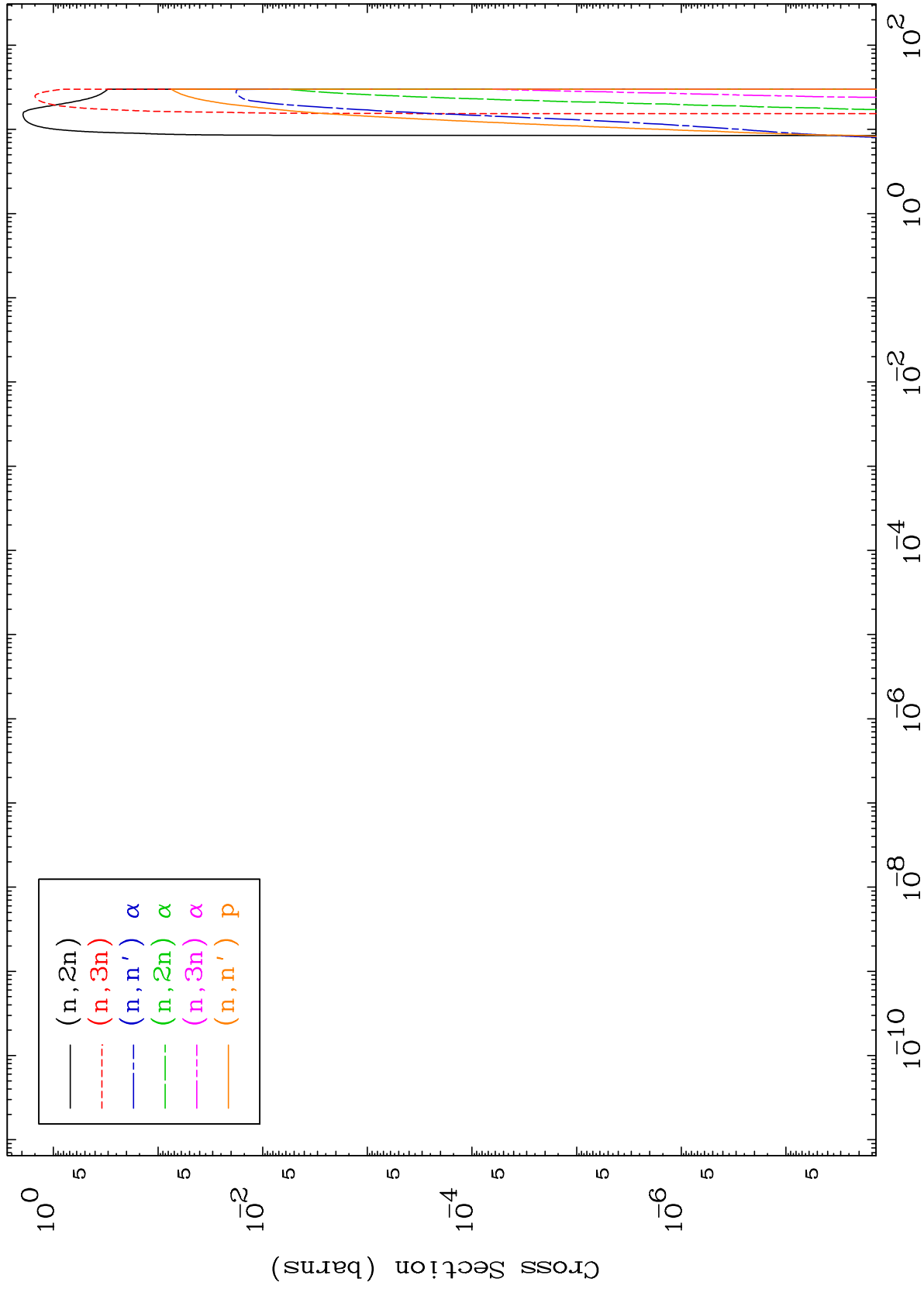
67-Ho-163



MAT 6719

Neutron Production
293 Kelvin Cross Sections

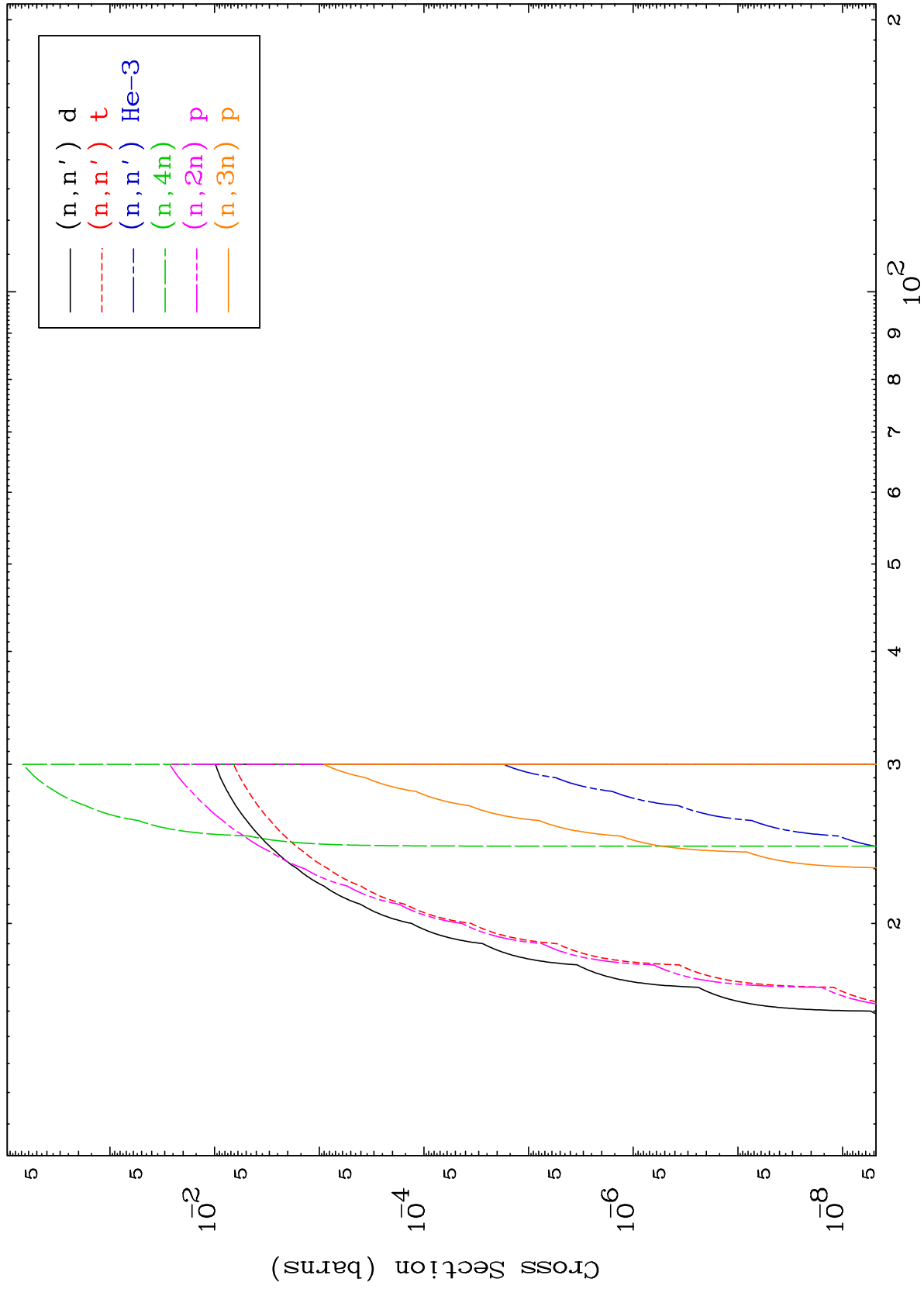
67-Ho-163



2

Incident Energy (MeV)

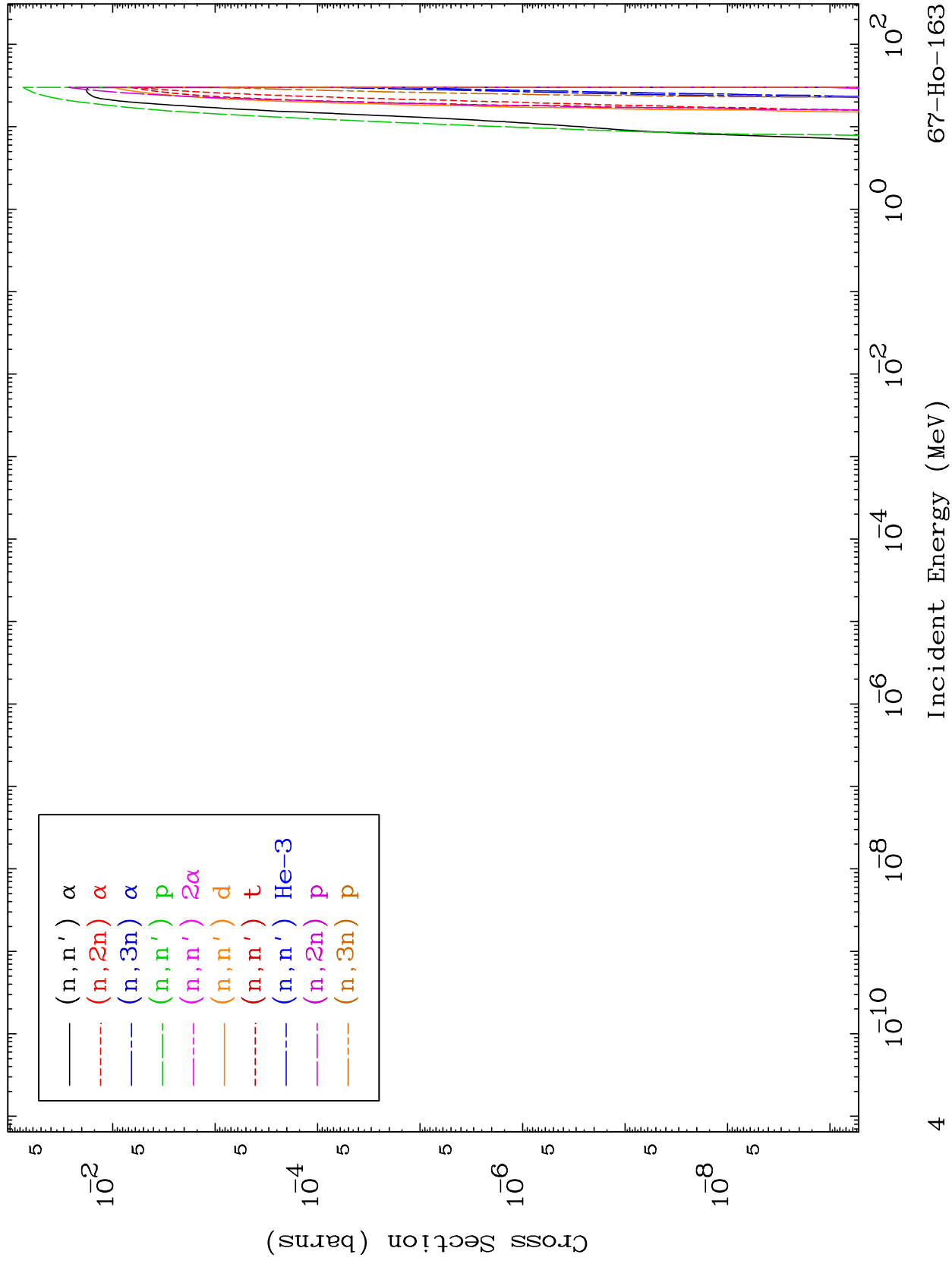
67-Ho-163

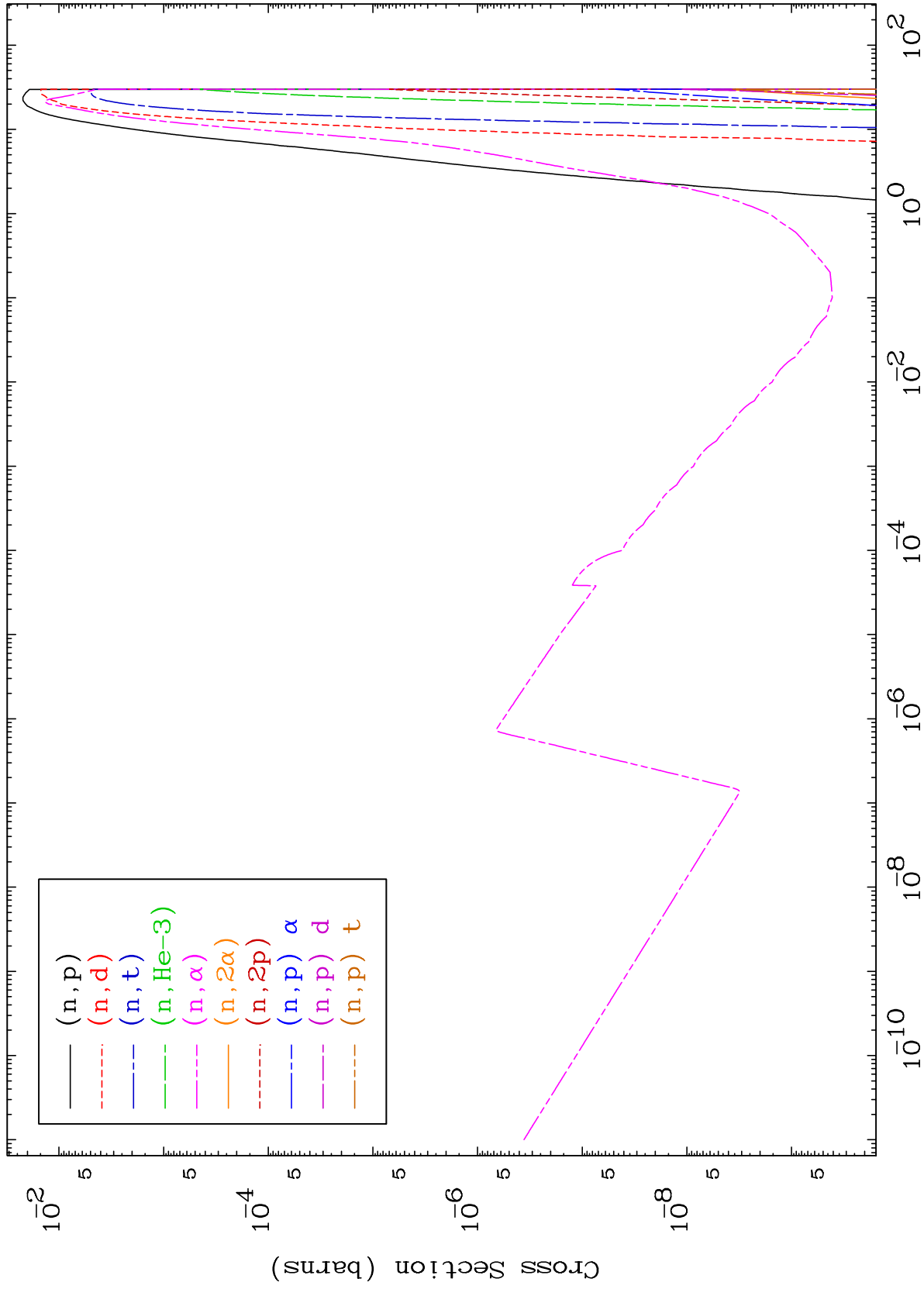


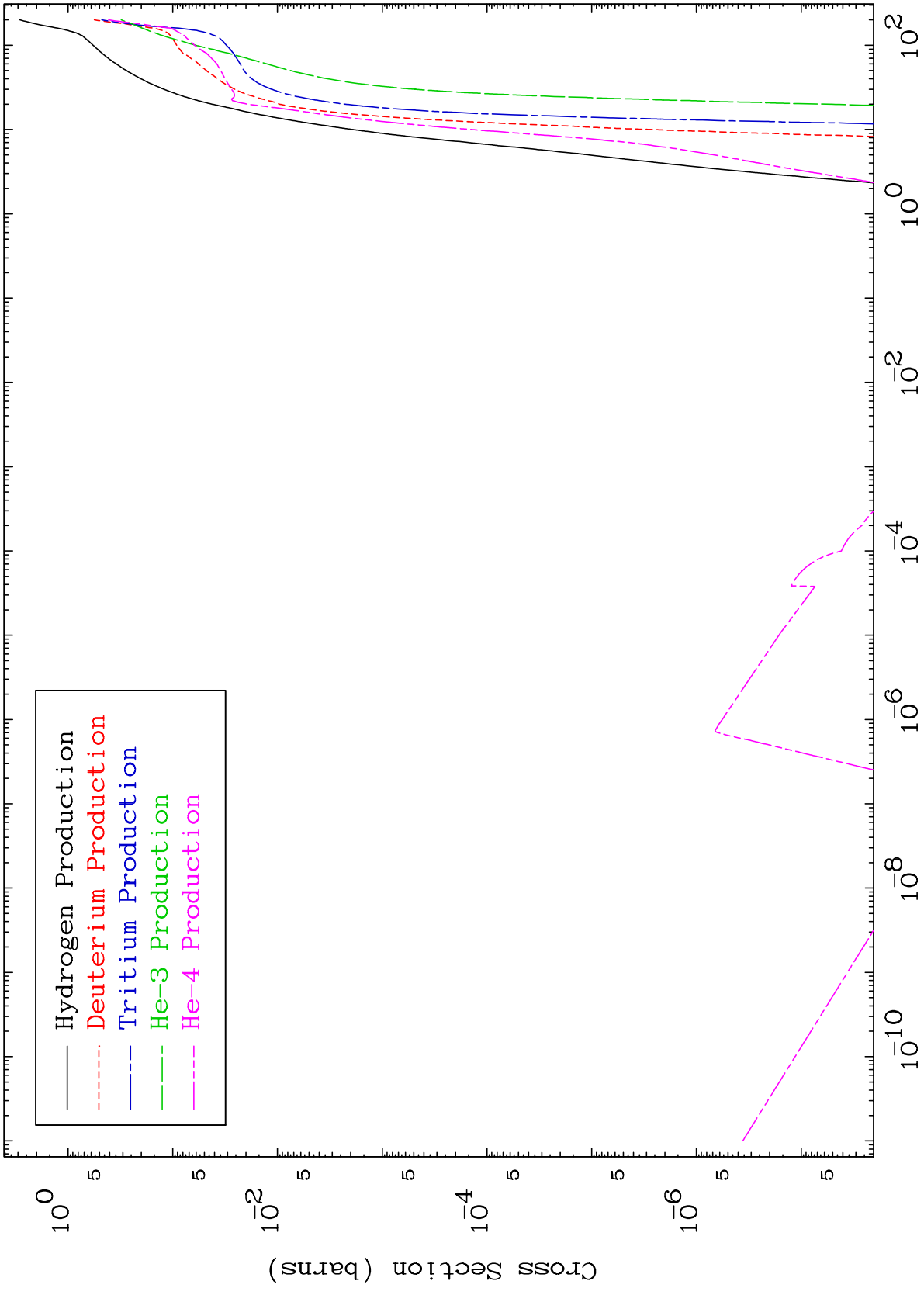
MAT 6719

Charged Particle
293 Kelvin Cross Sections

67-Ho-163



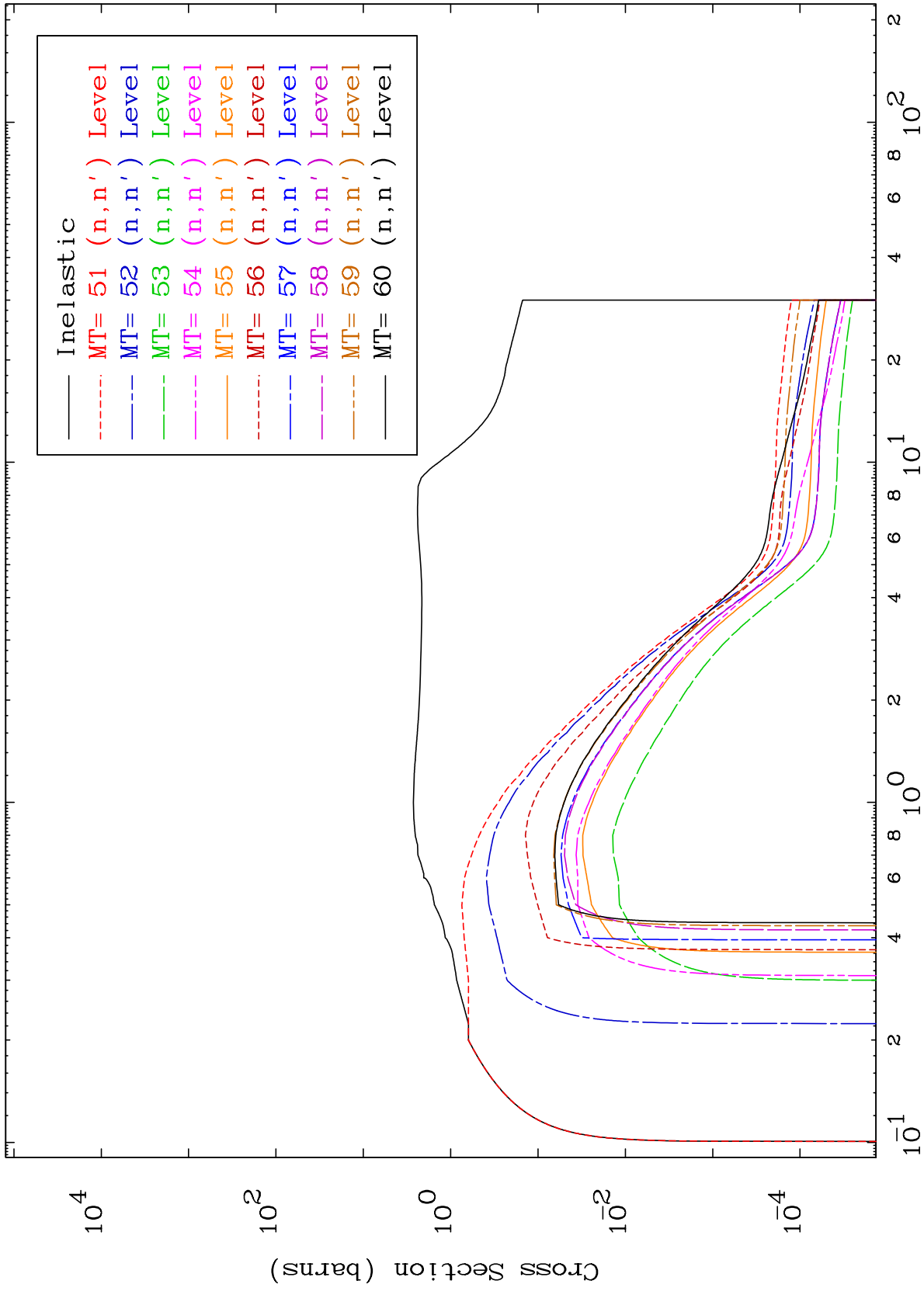




MAT 6719

(n,n') Level
293 Kelvin Cross Sections

67-Ho-163



Incident Energy (MeV)

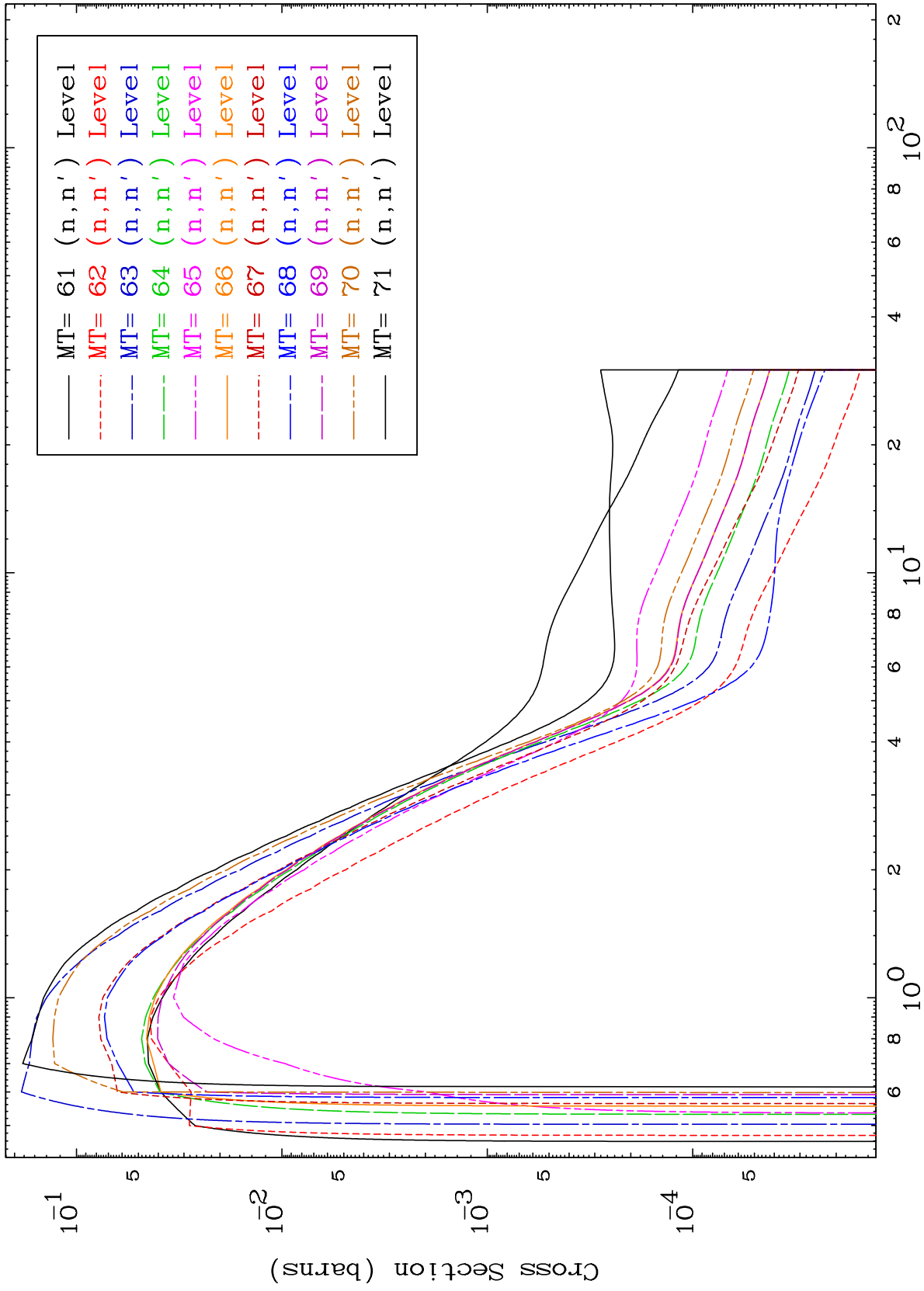
67-Ho-163

MAT 6719

(n,n') Level

67-Ho-163

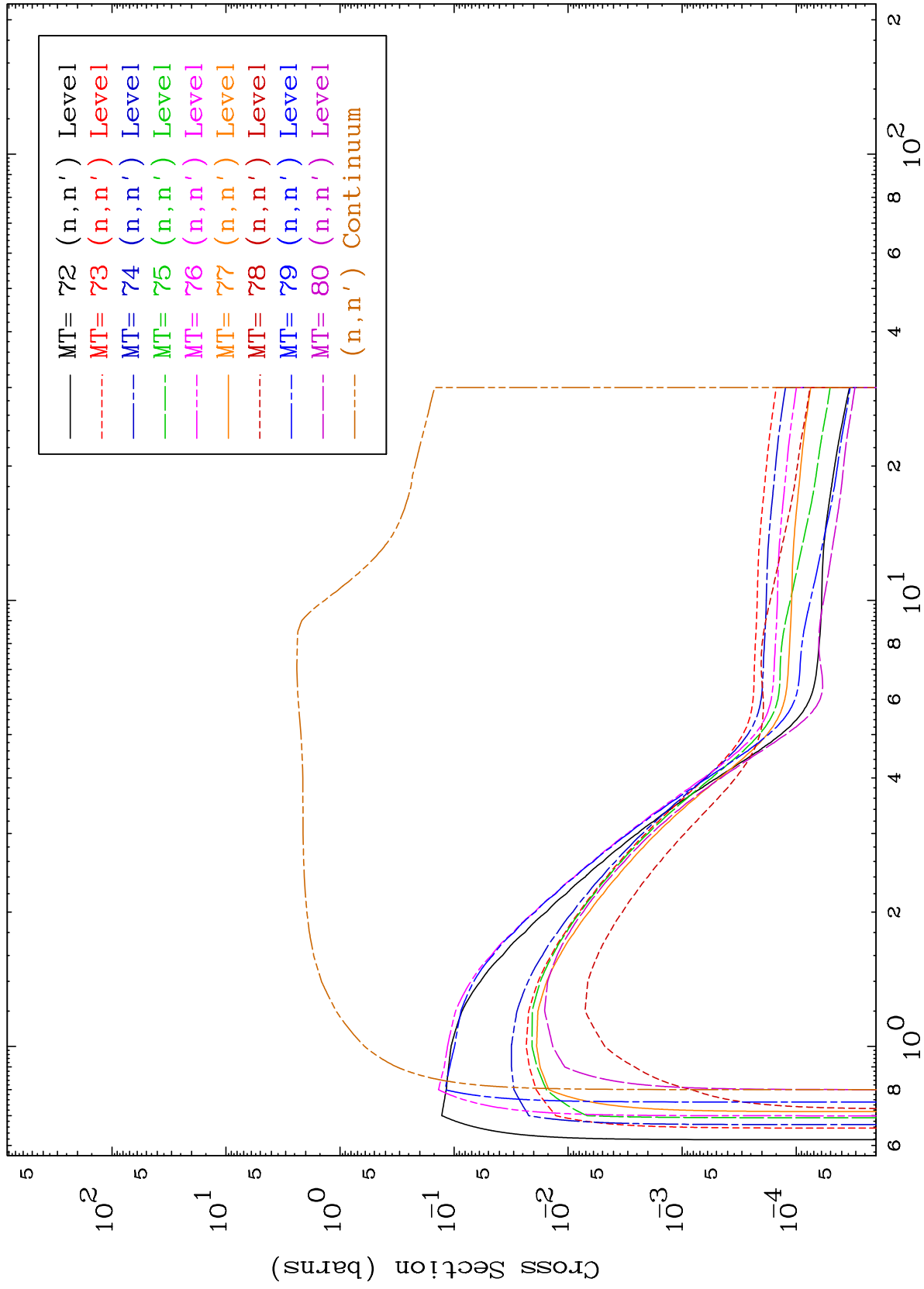
293 Kelvin Cross Sections



8

Incident Energy (MeV)

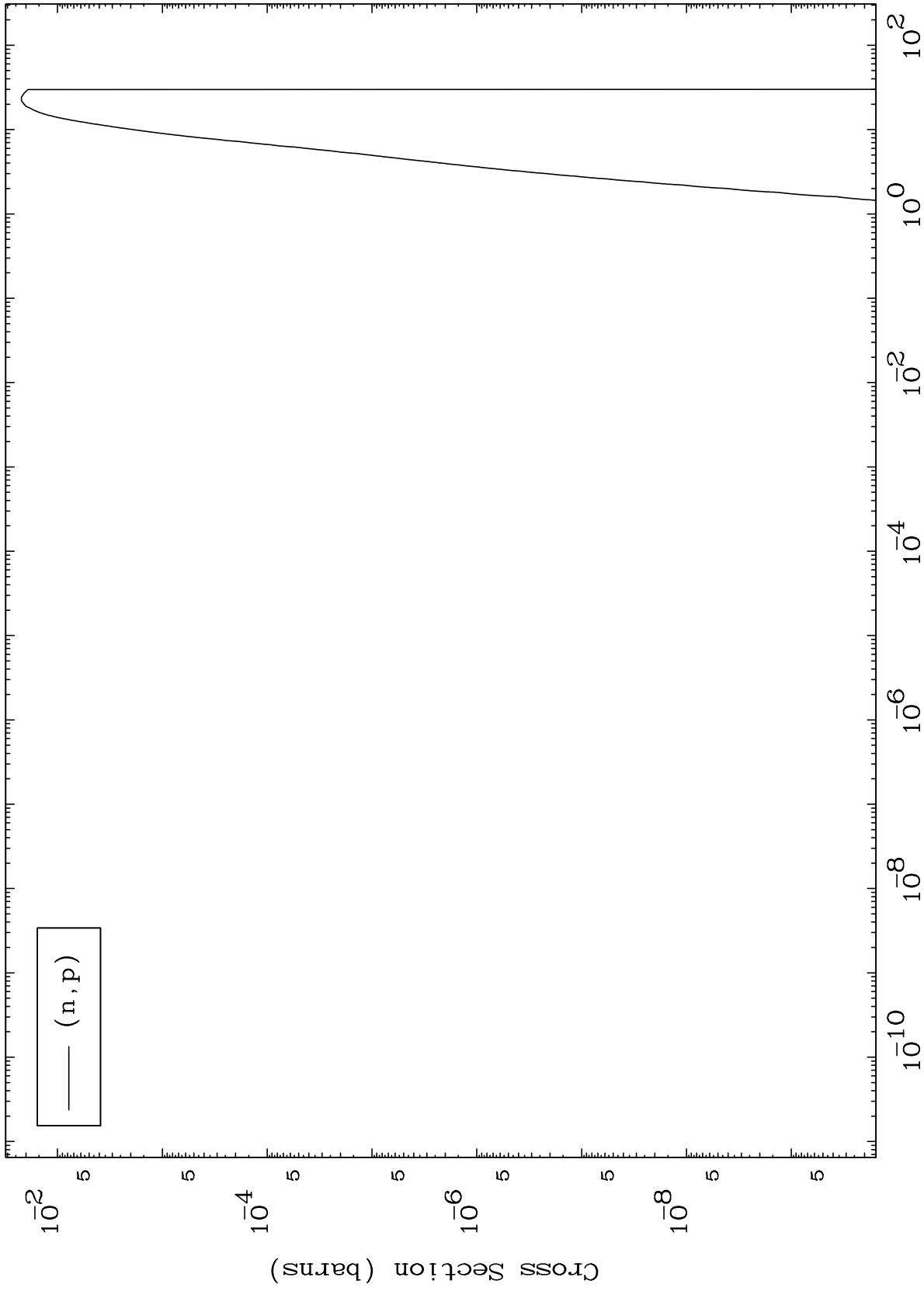
67-Ho-163



MAT 6719

(n,p) Levels
293 Kelvin Cross Sections

67-Ho-163



10

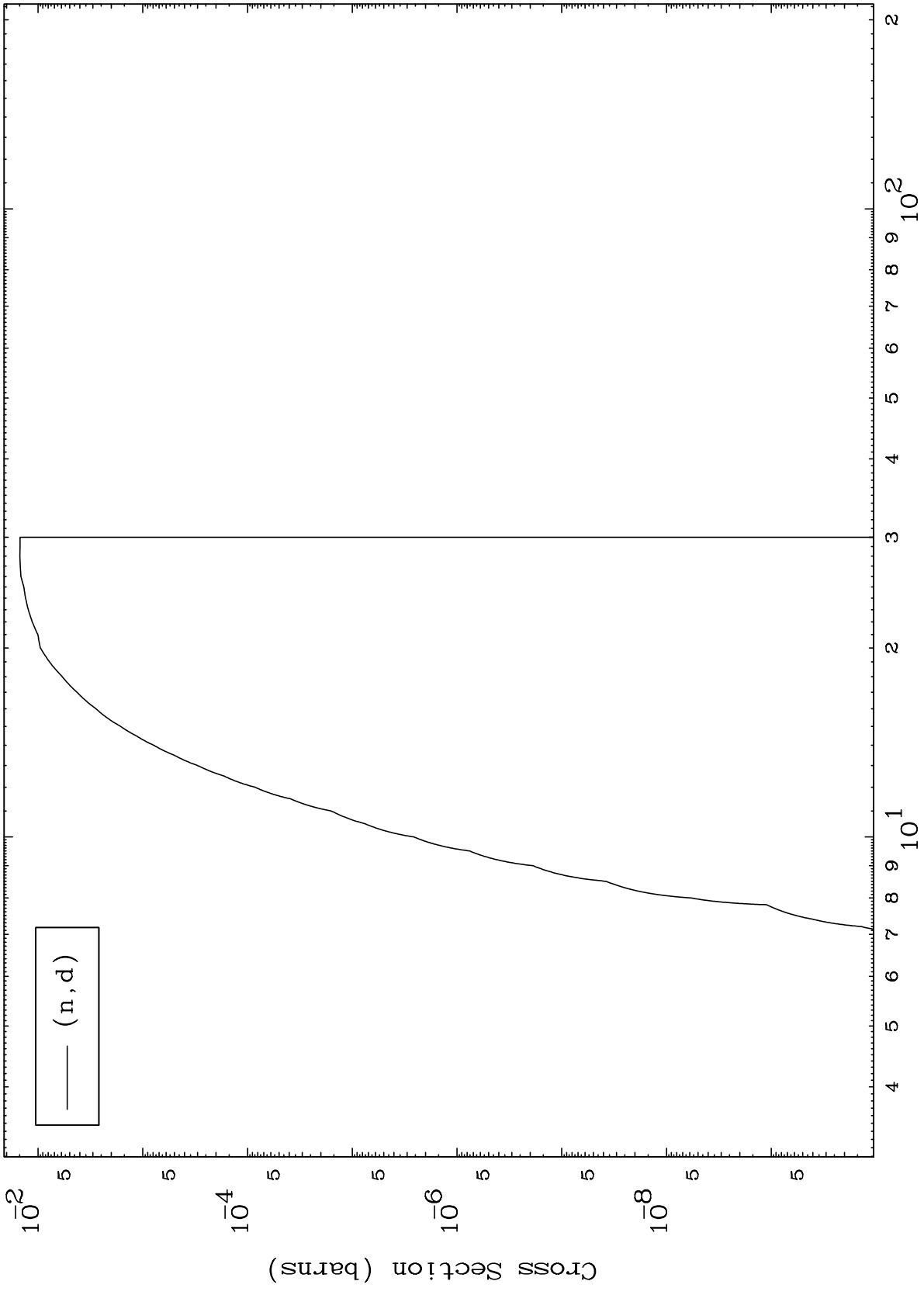
Incident Energy (MeV)

67-Ho-163

MAT 6719

(n,d) Levels
293 Kelvin Cross Sections

67-Ho-163



11

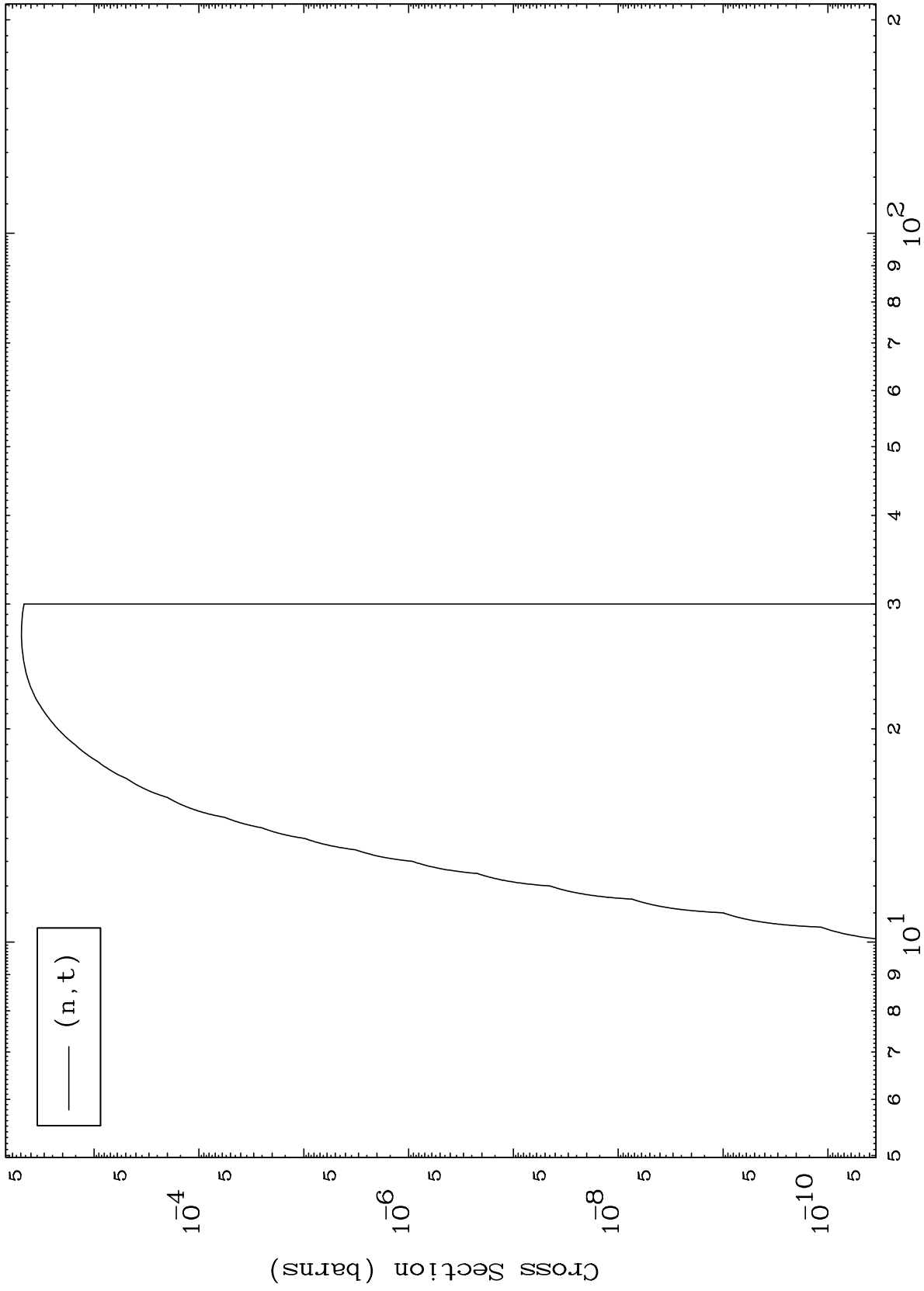
Incident Energy (MeV)

67-Ho-163

MAT 6719

(n,t) Levels
293 Kelvin Cross Sections

67-Ho-163



12

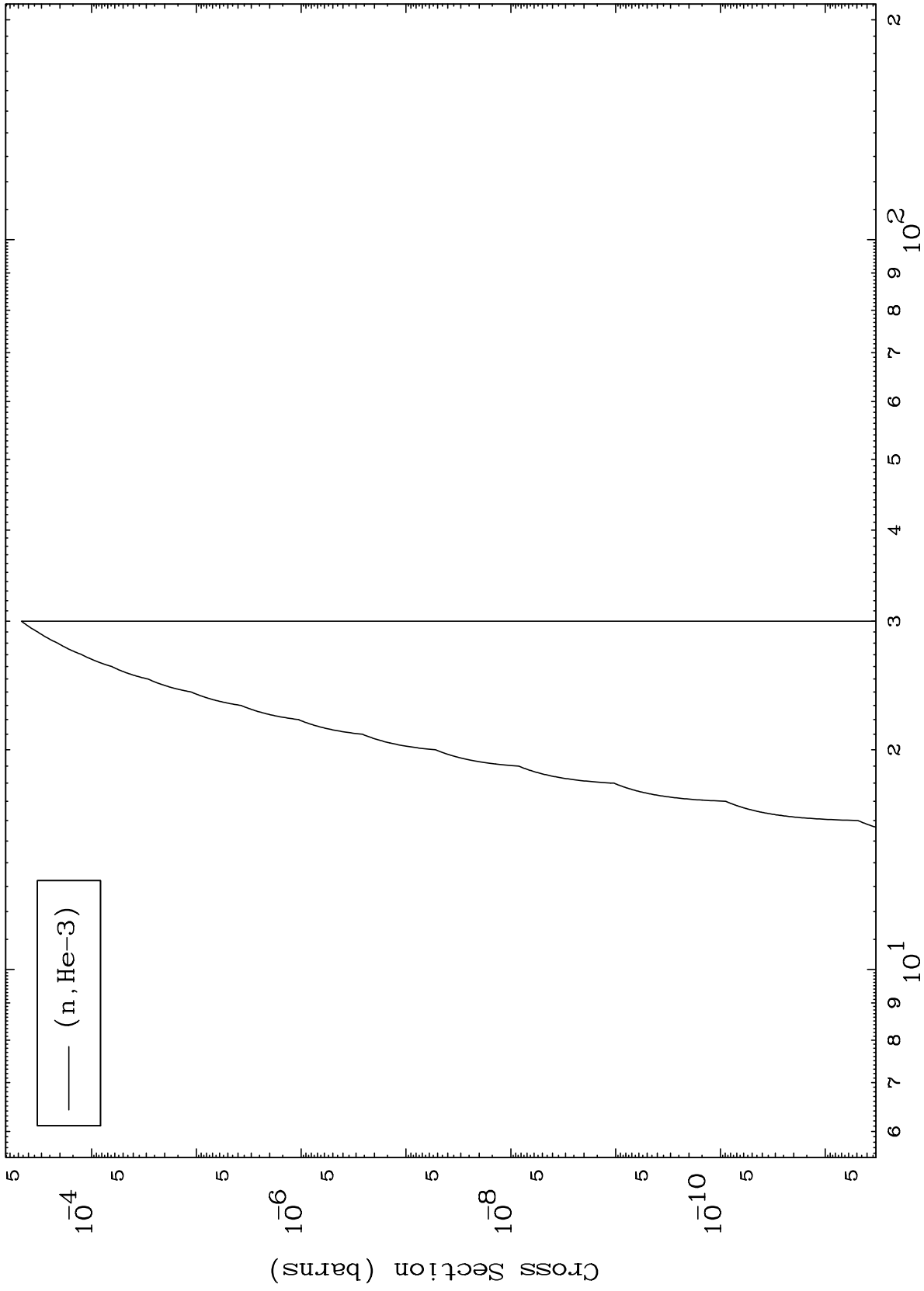
Incident Energy (MeV)

67-Ho-163

MAT 6719

(n,He3) Levels
293 Kelvin Cross Sections

67-Ho-163



13

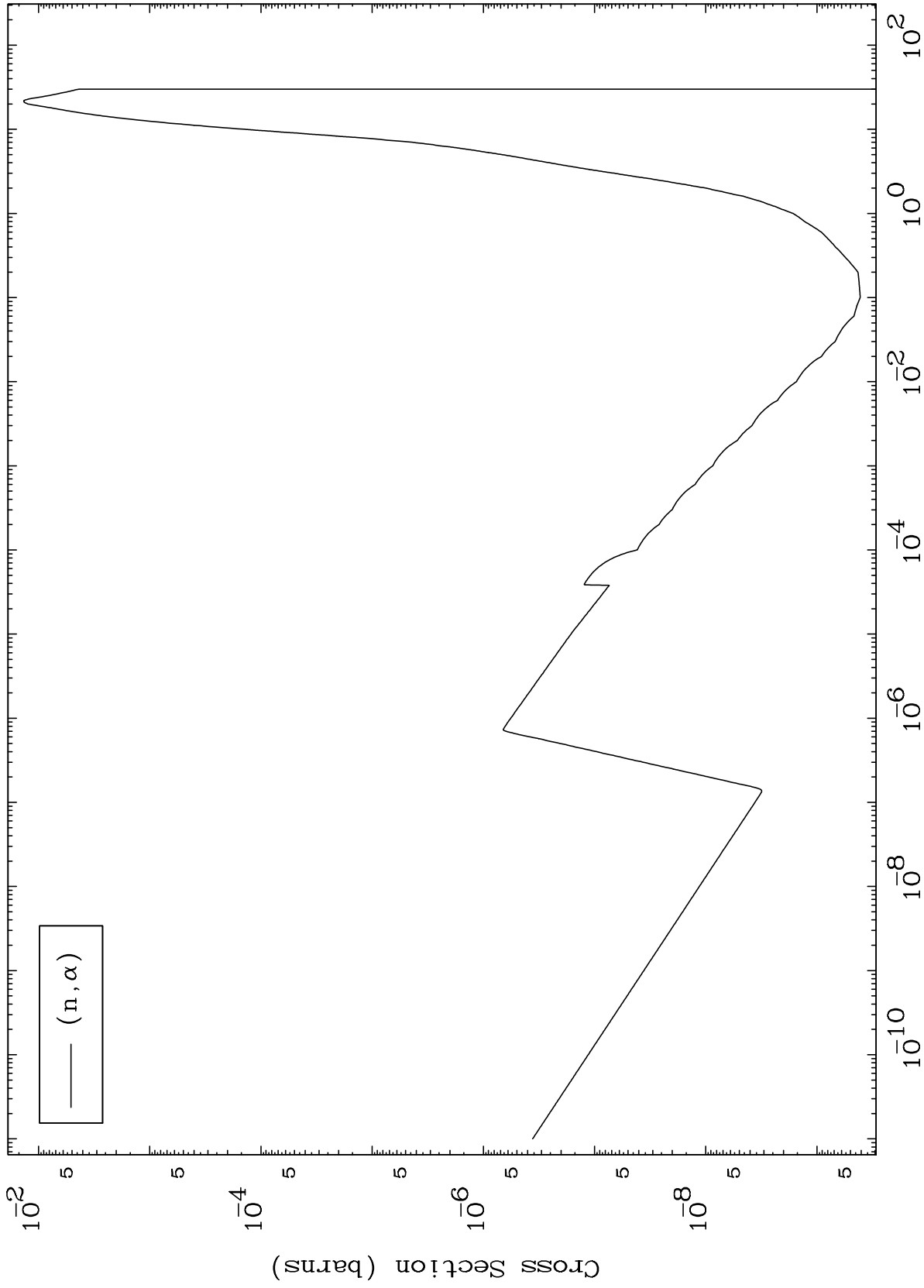
Incident Energy (MeV)

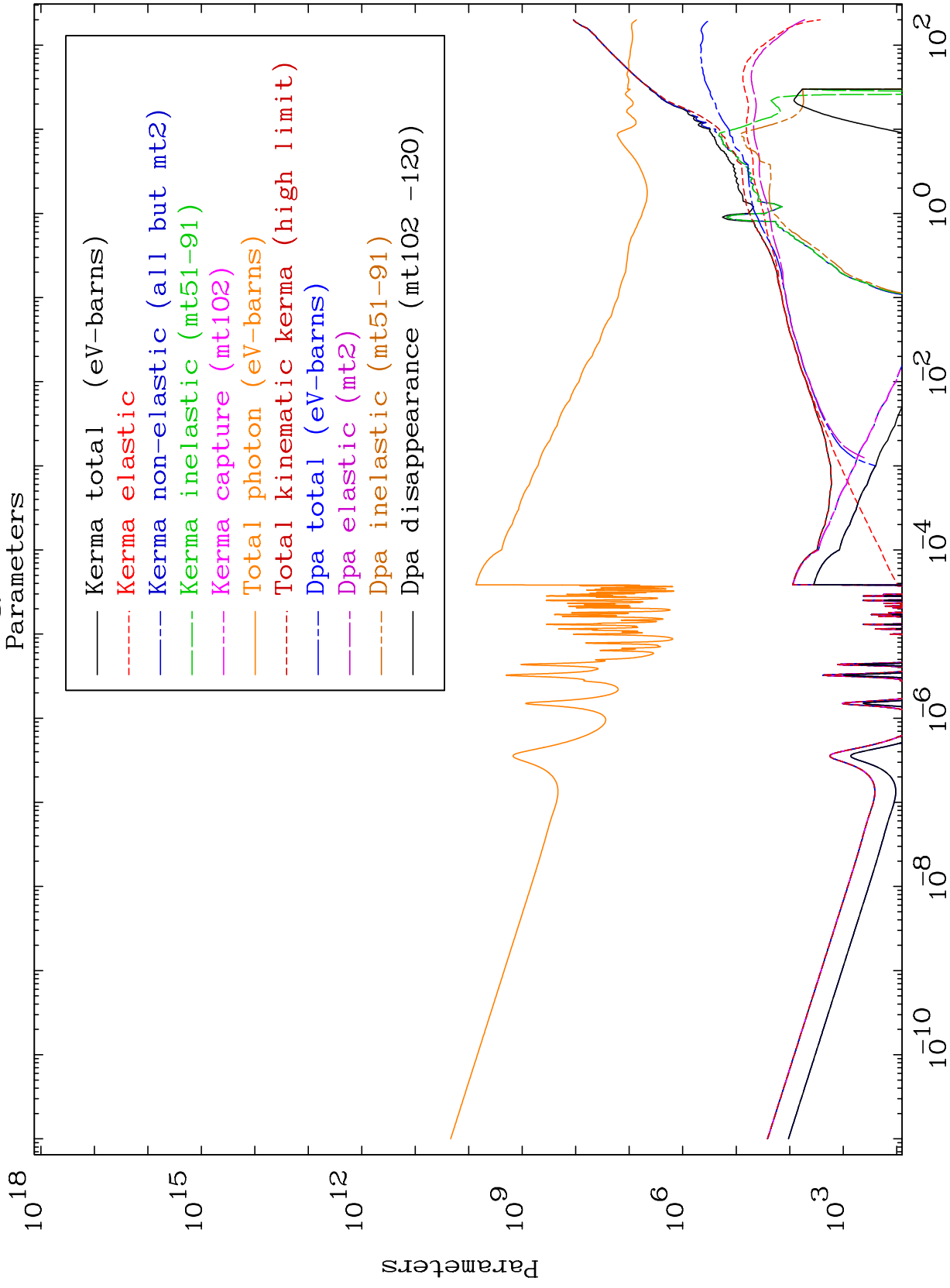
67-Ho-163

MAT 6719

(n,α) Levels
293 Kelvin Cross Sections

67-Ho-163

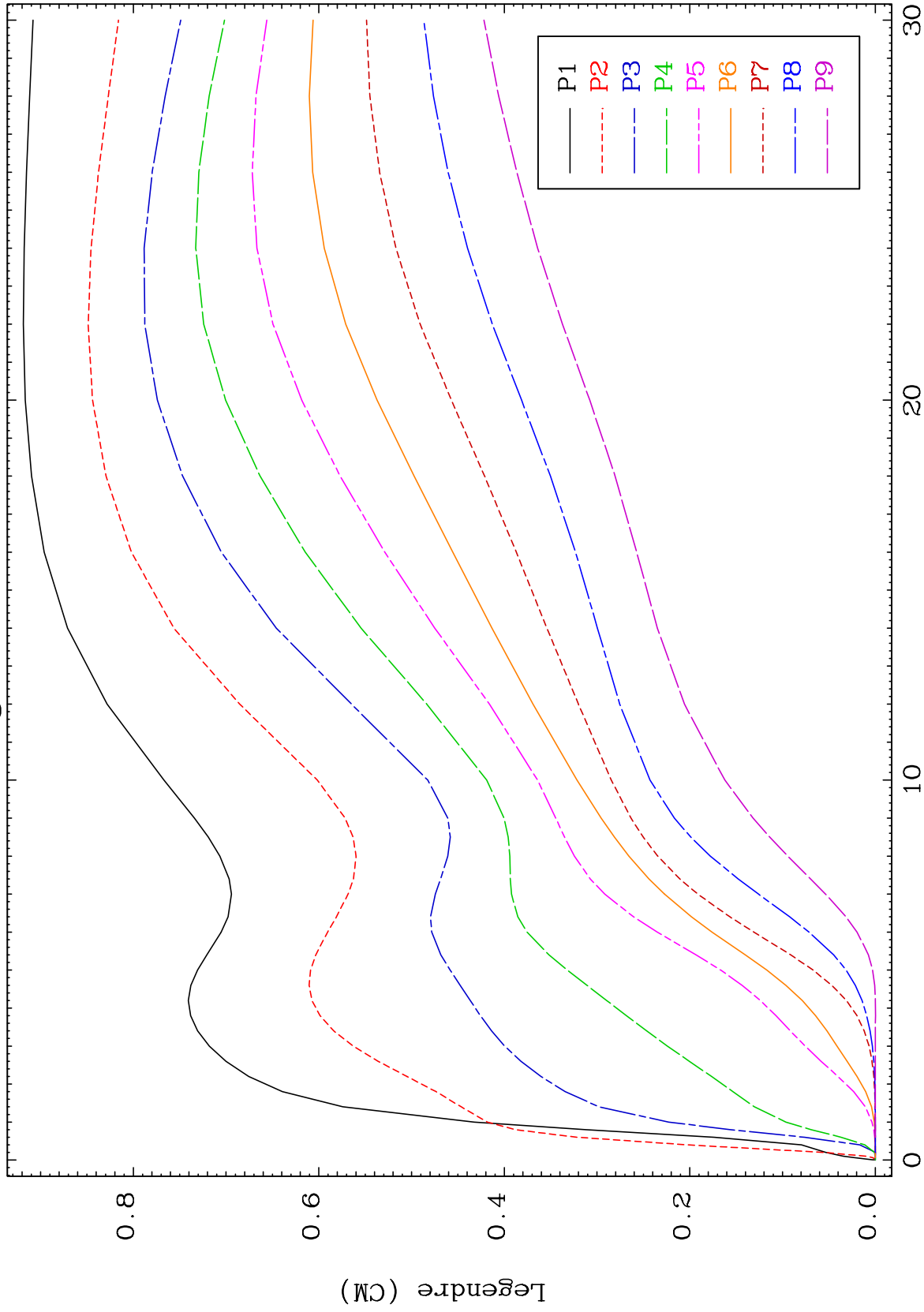




MAT 6719

Elastic Legendre Coefficients

67-Ho-163



16

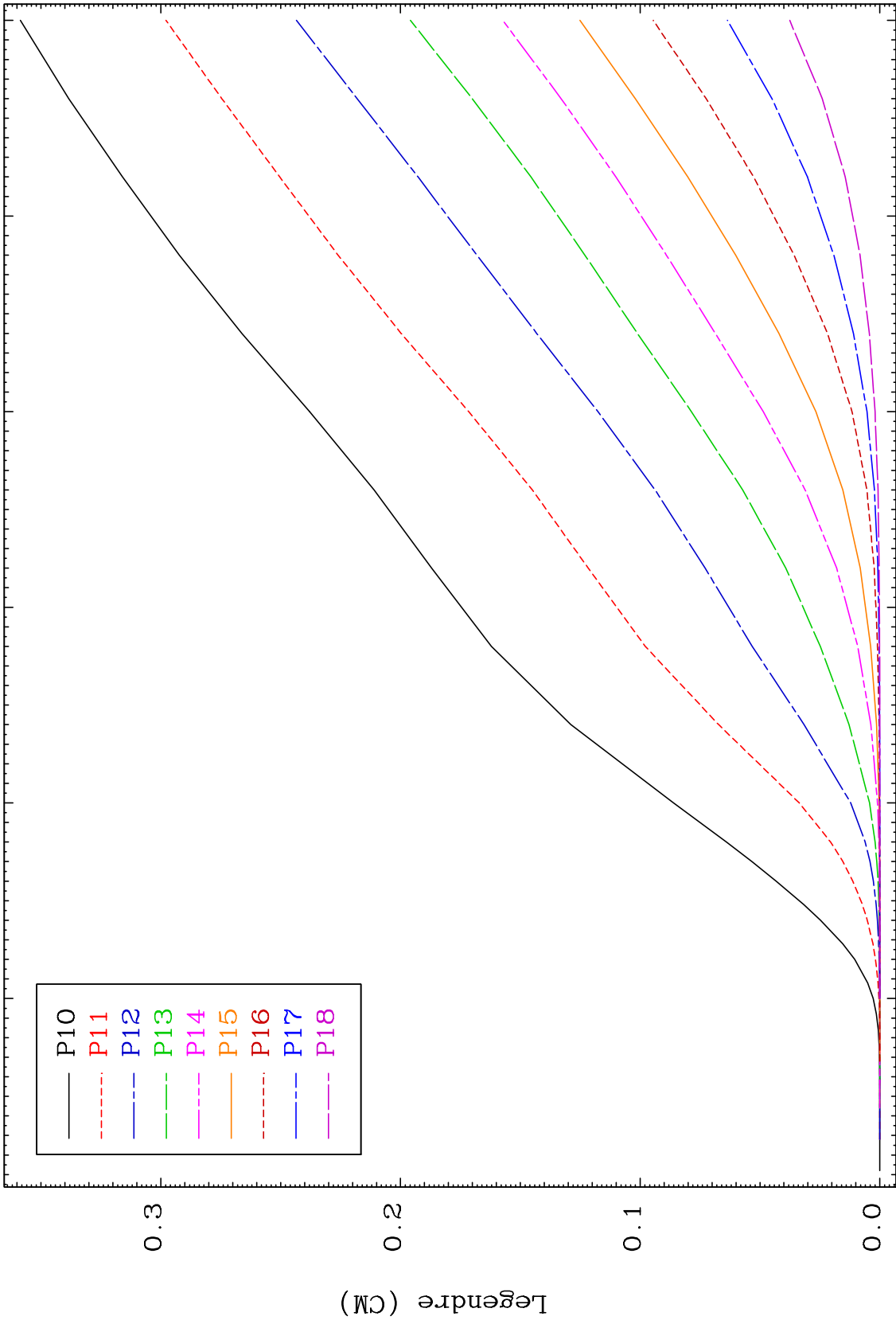
Incident Energy (MeV)

67-Ho-163

MAT 6719

Elastic Legendre Coefficients

67-Ho-163



17

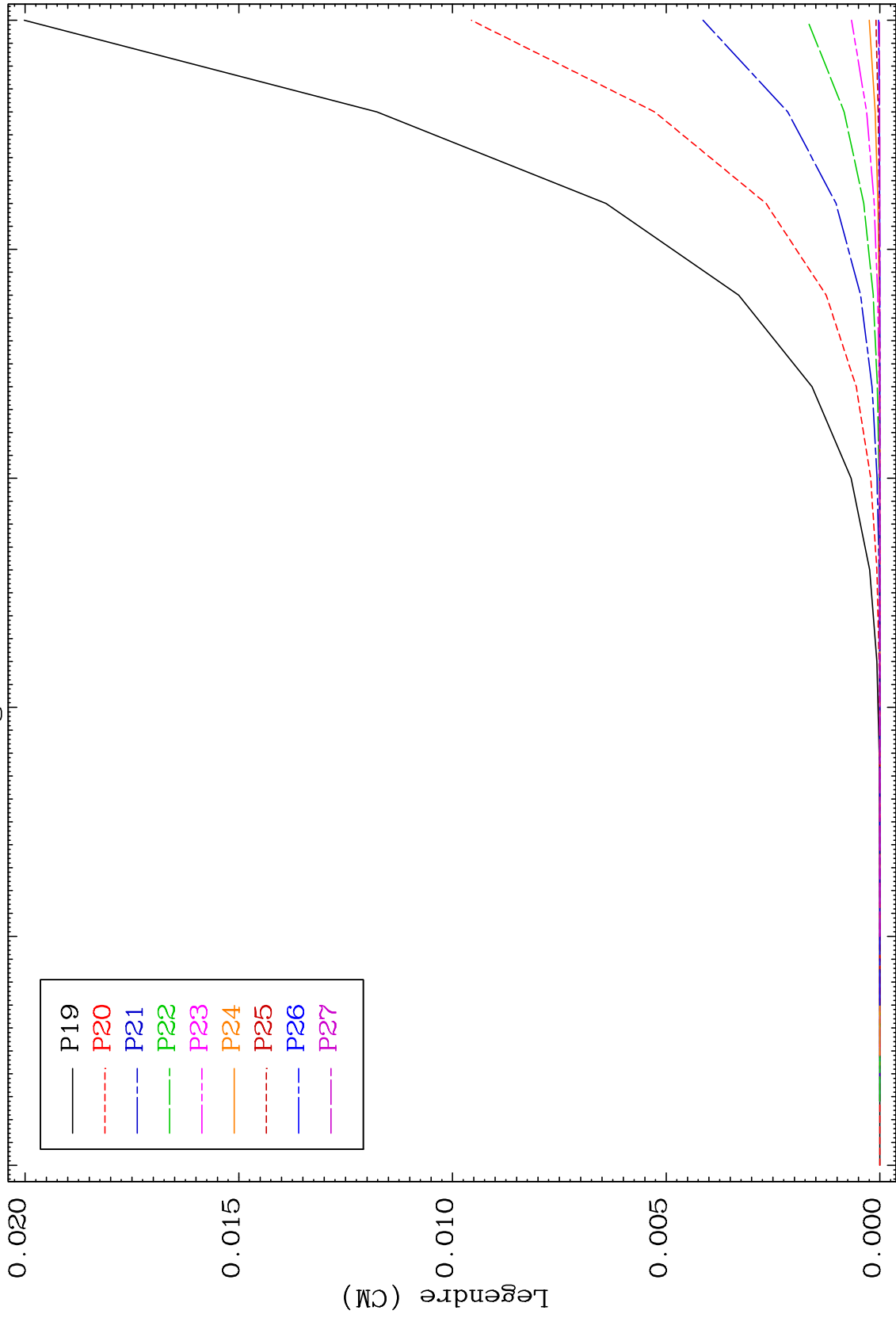
Incident Energy (MeV)

67-Ho-163

MAT 6719

Elastic Legendre Coefficients

67-Ho-163



18

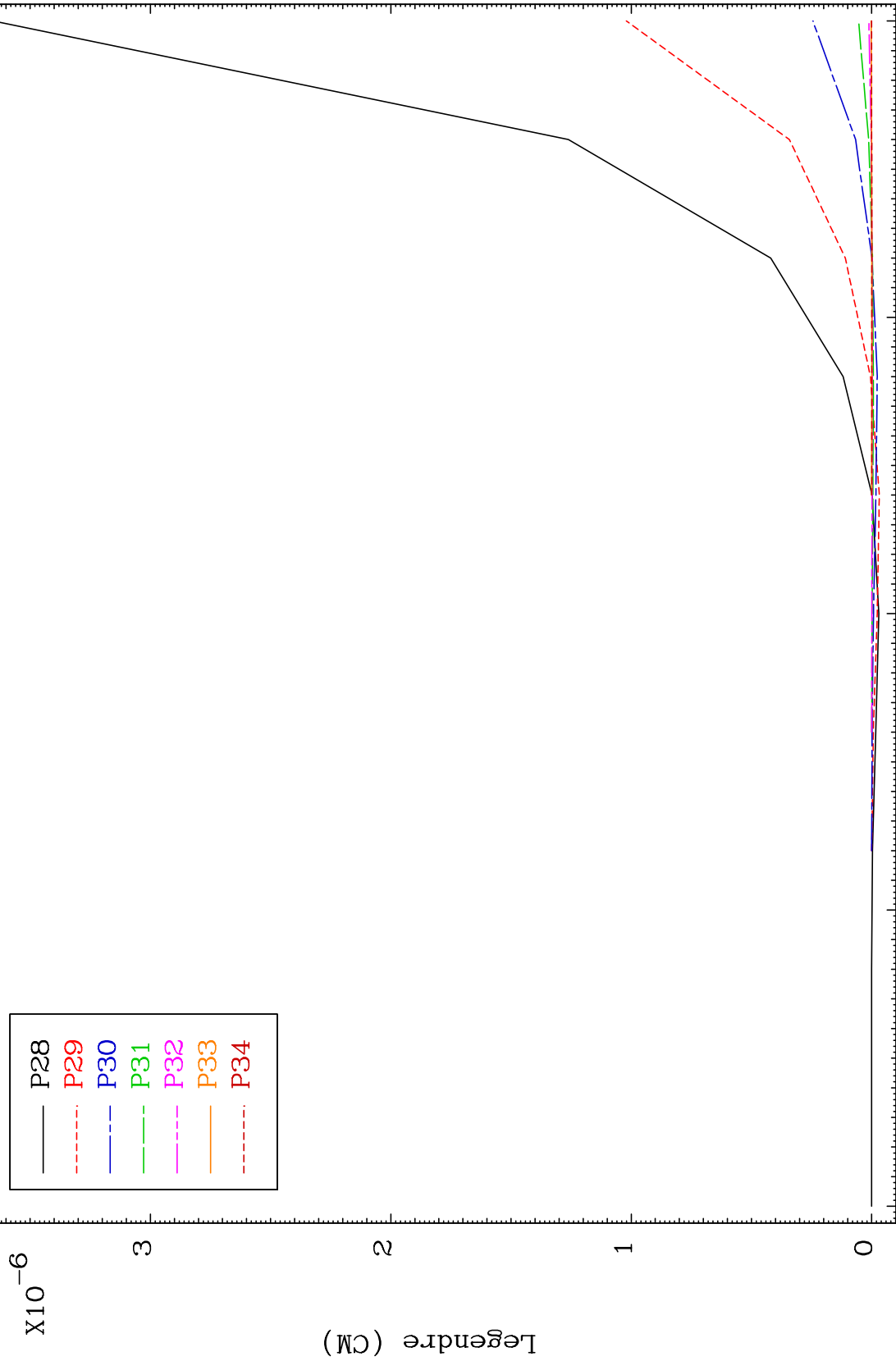
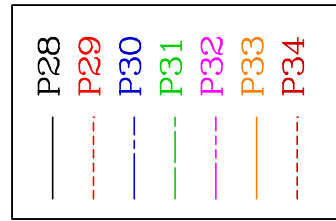
Incident Energy (MeV)

67-Ho-163

MAT 6719

Elastic Legendre Coefficients

67-Ho-163



19

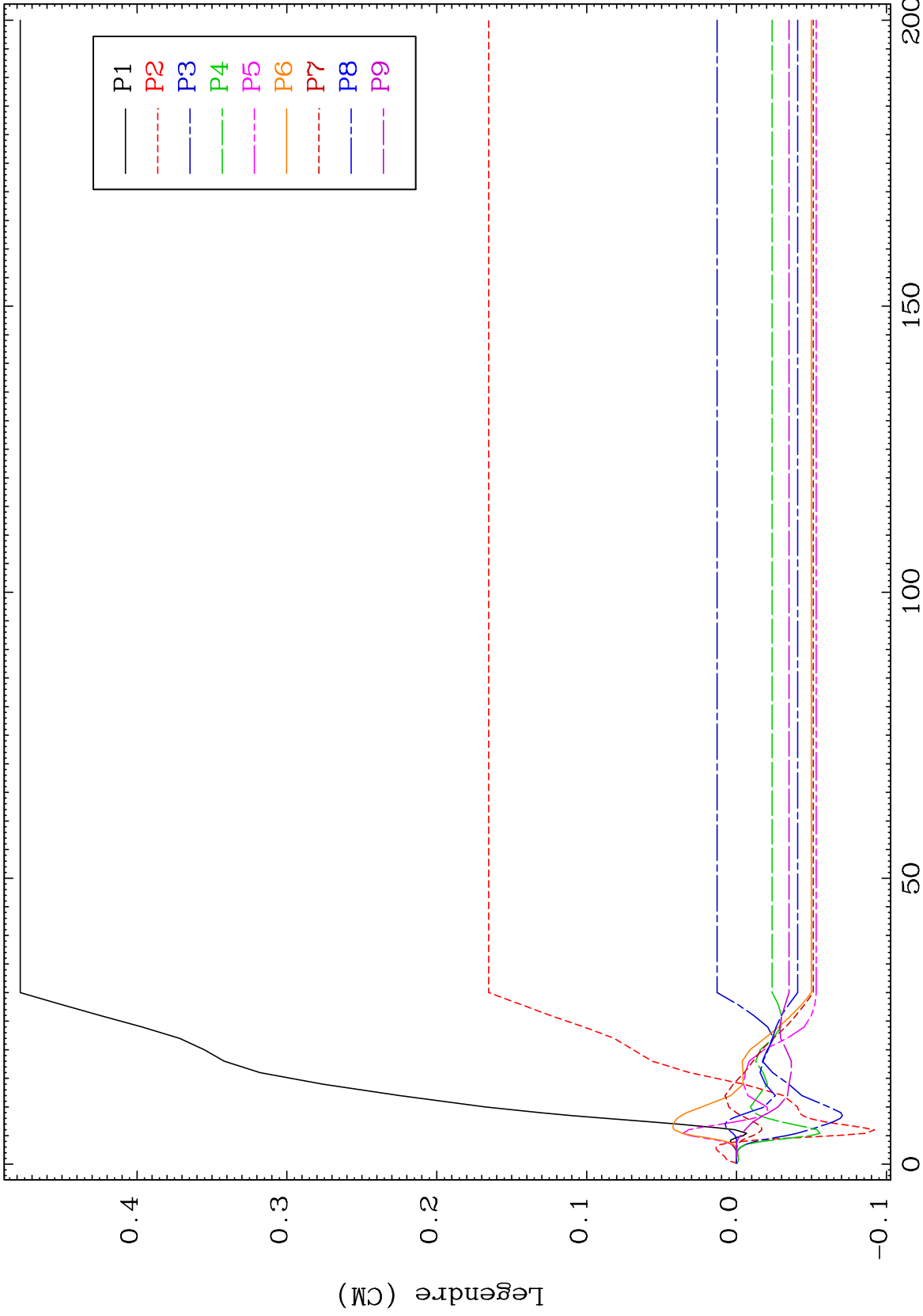
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



67-Ho-163

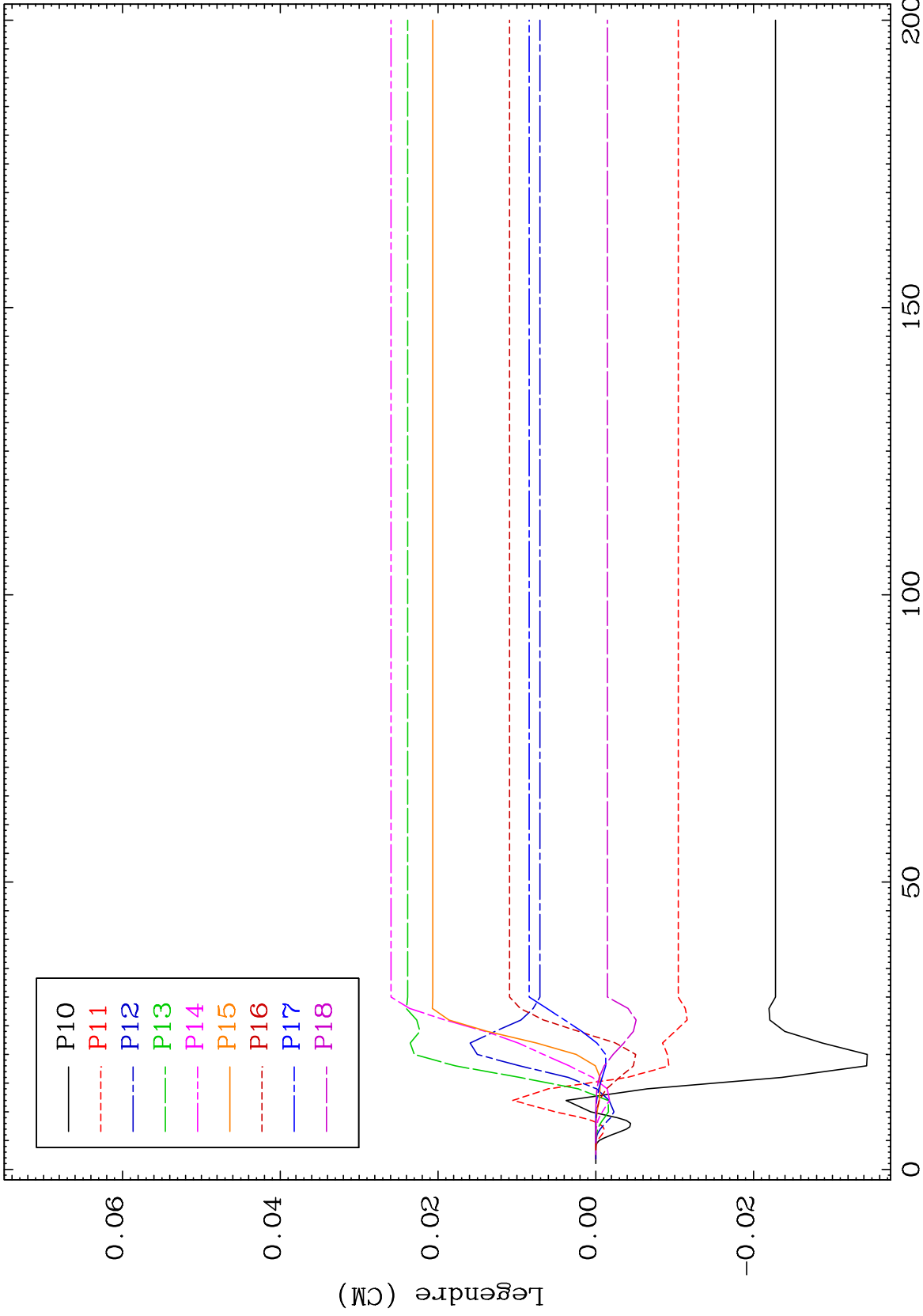
Incident Energy (MeV)

20

MAT 6719

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

67-Ho-163



21

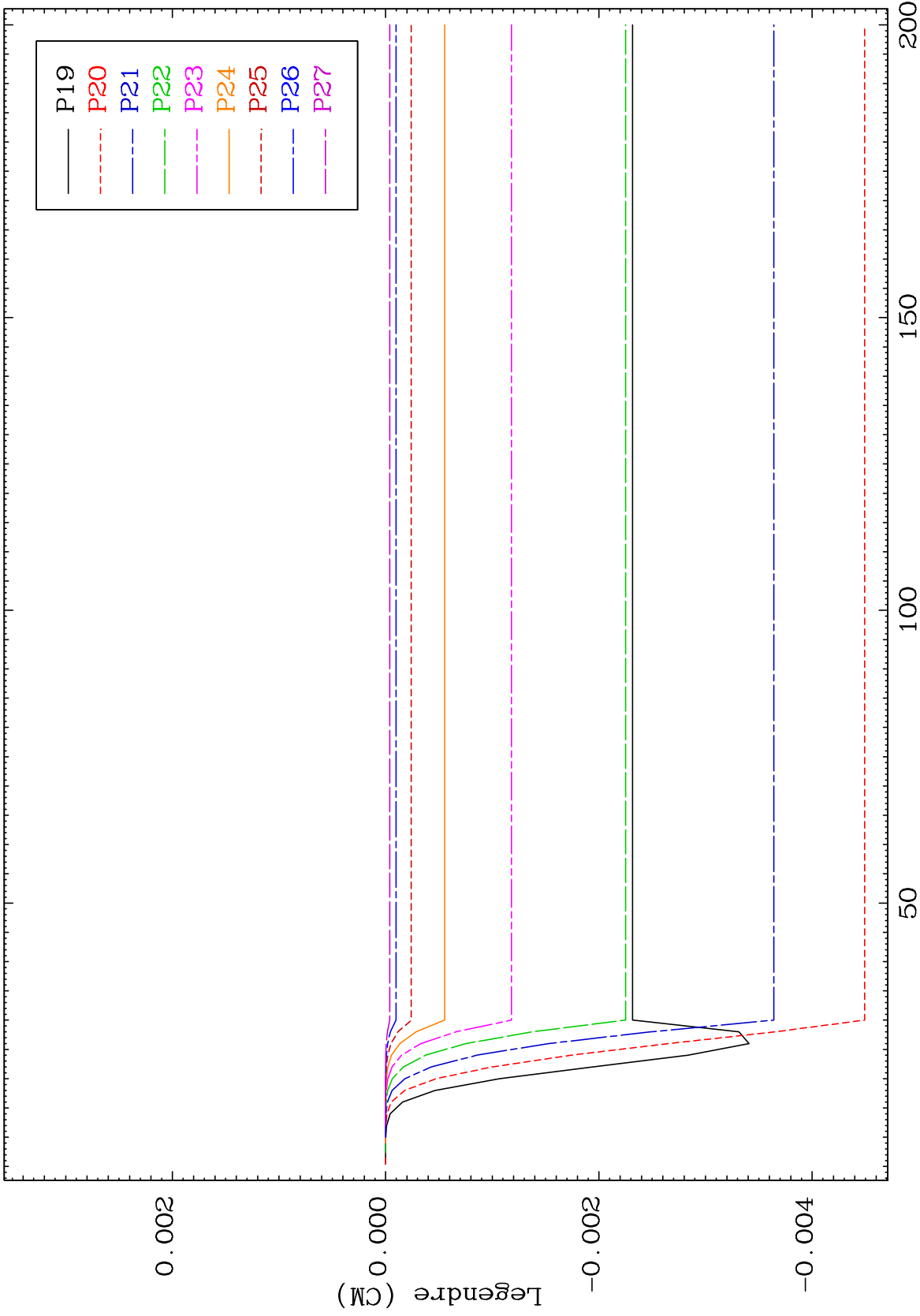
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

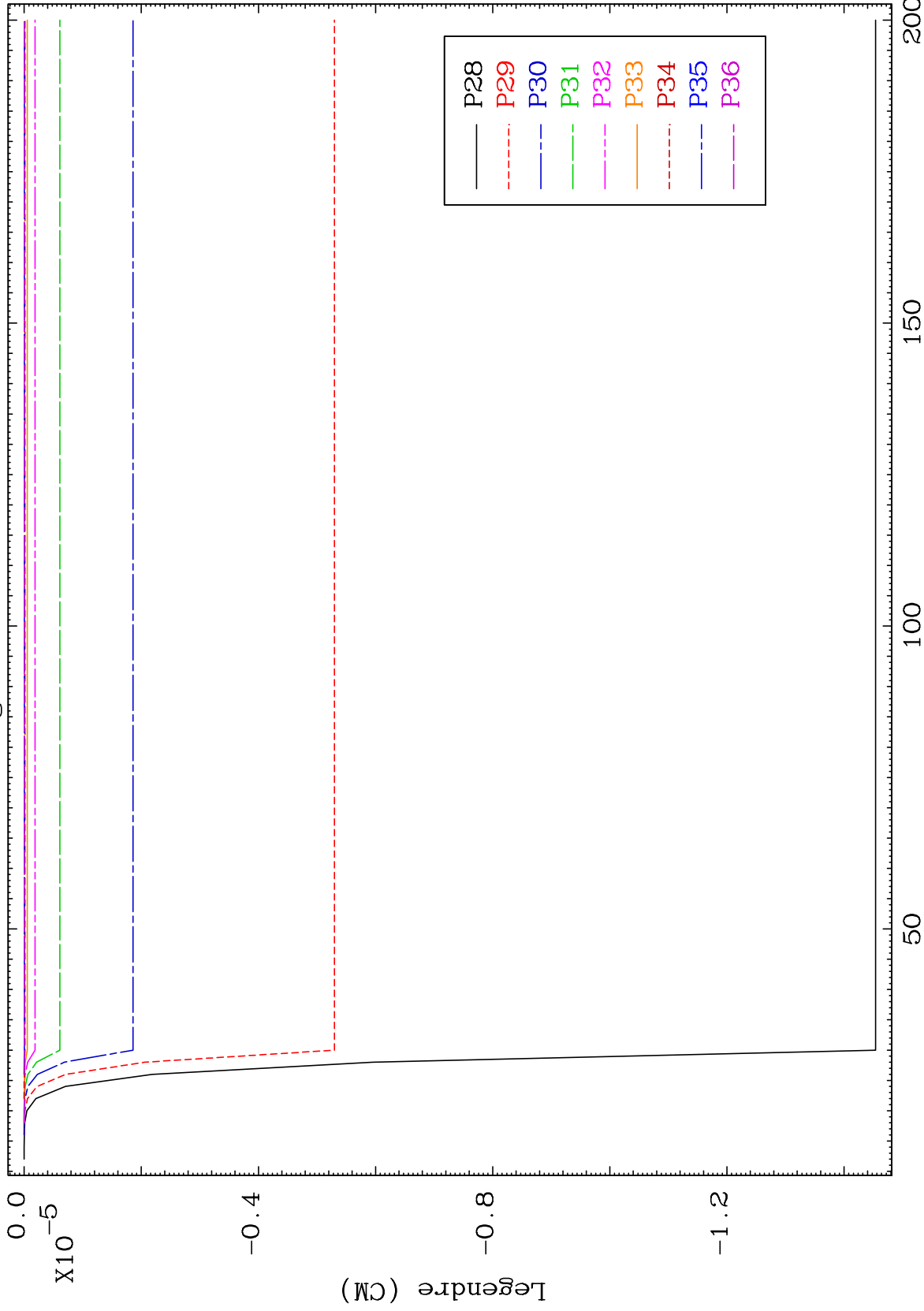
67-Ho-163



22

Incident Energy (MeV)

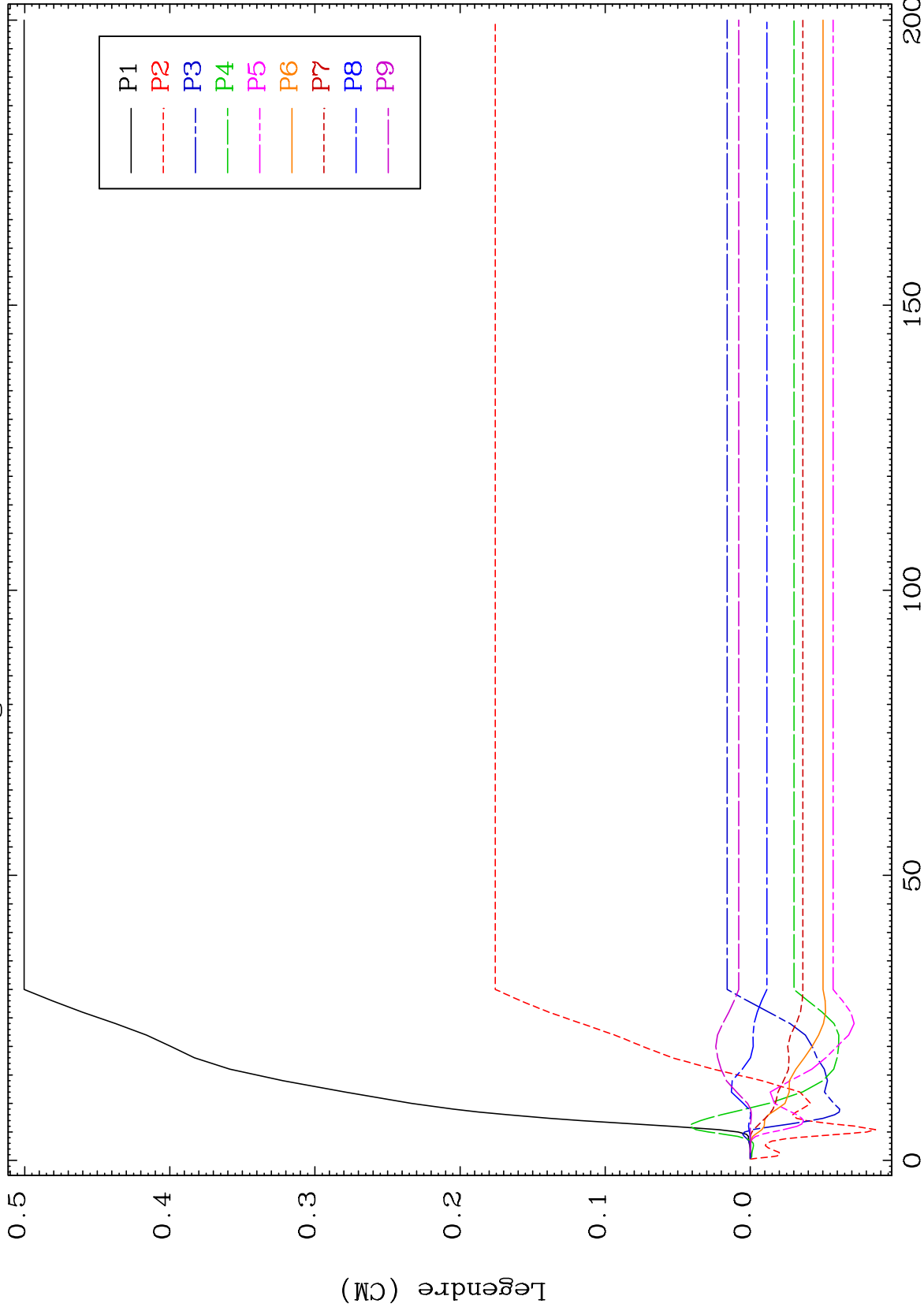
67-Ho-163



MAT 6719

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

67-Ho-163



24

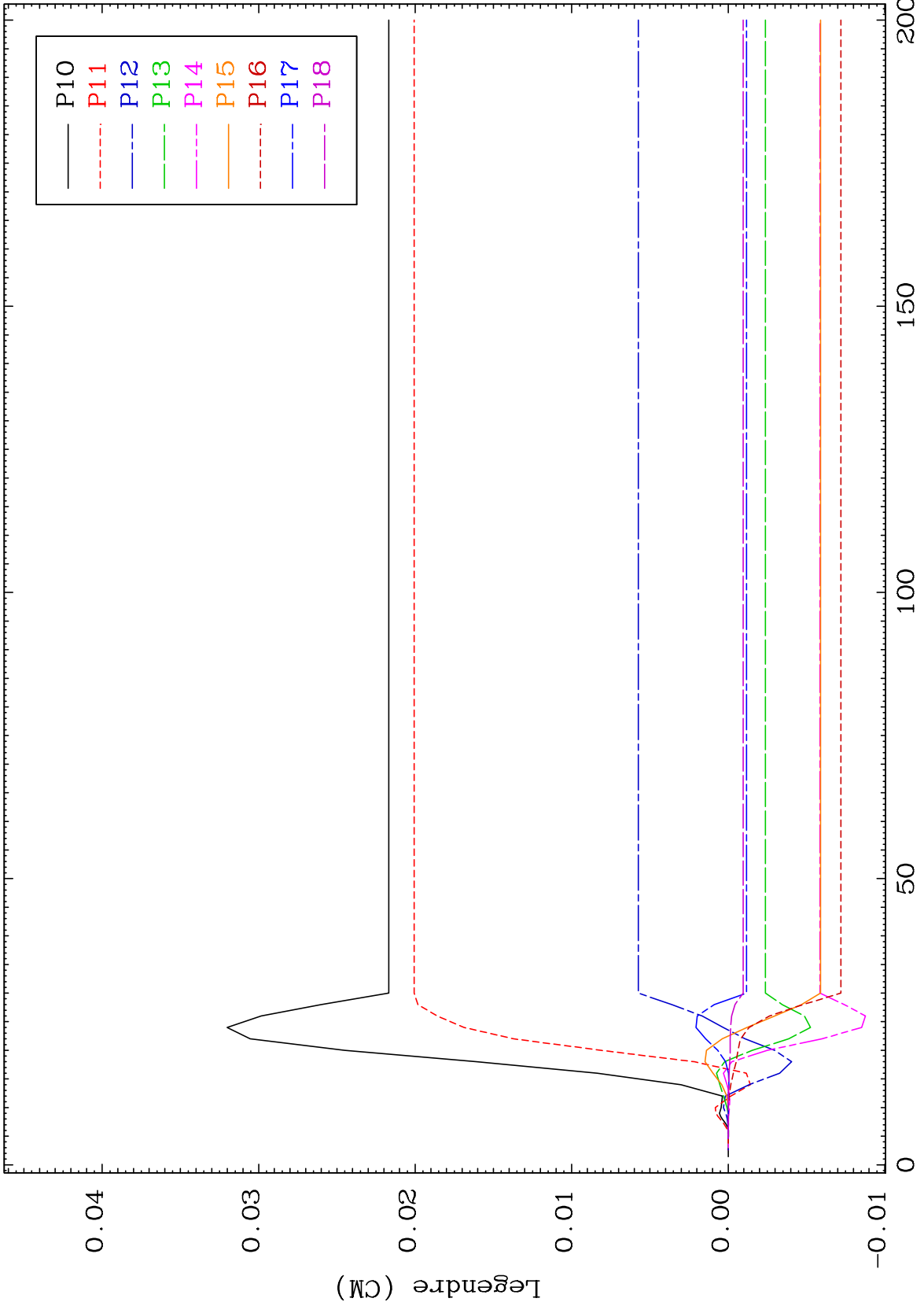
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

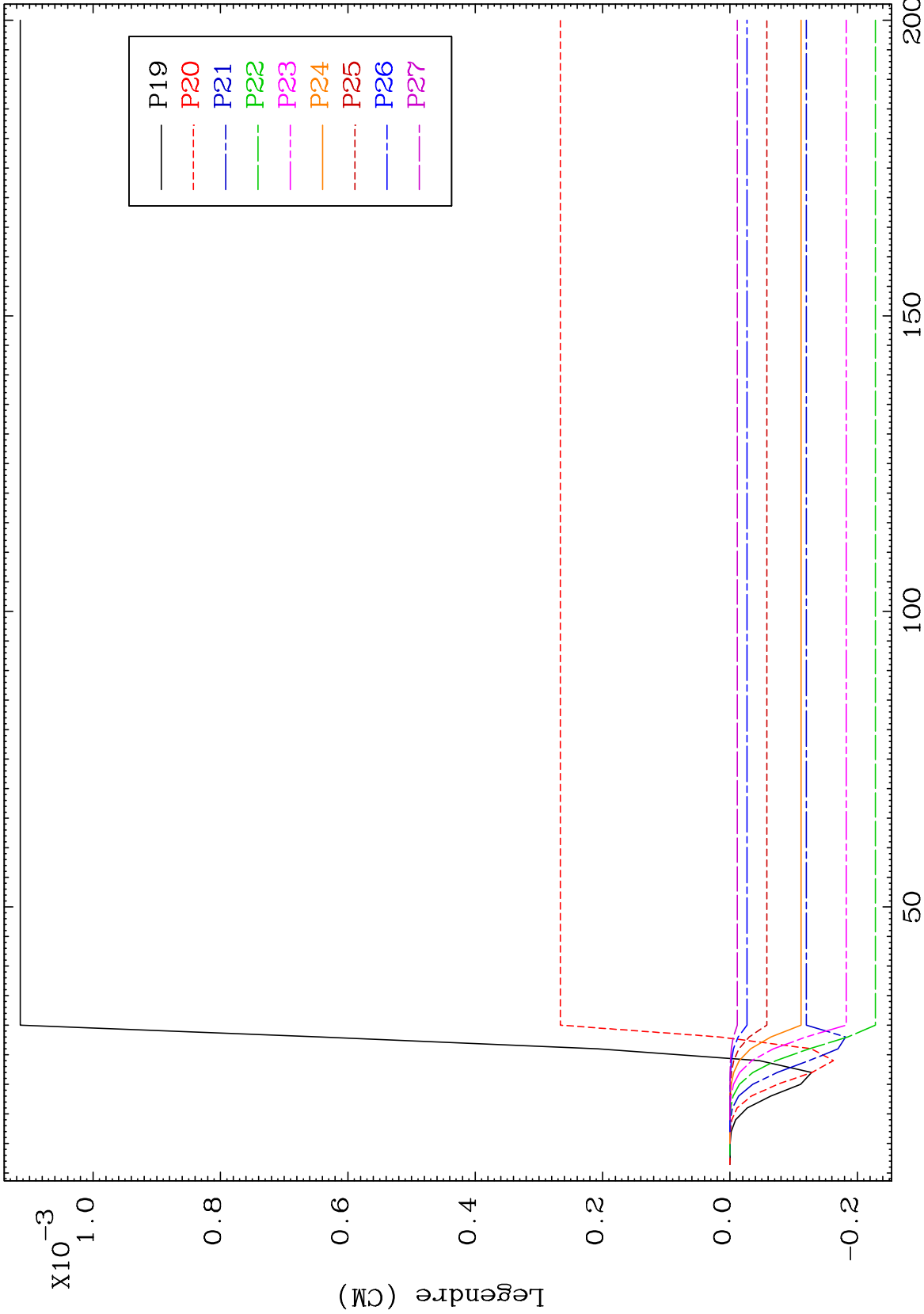
67-Ho-163



25

Incident Energy (MeV)

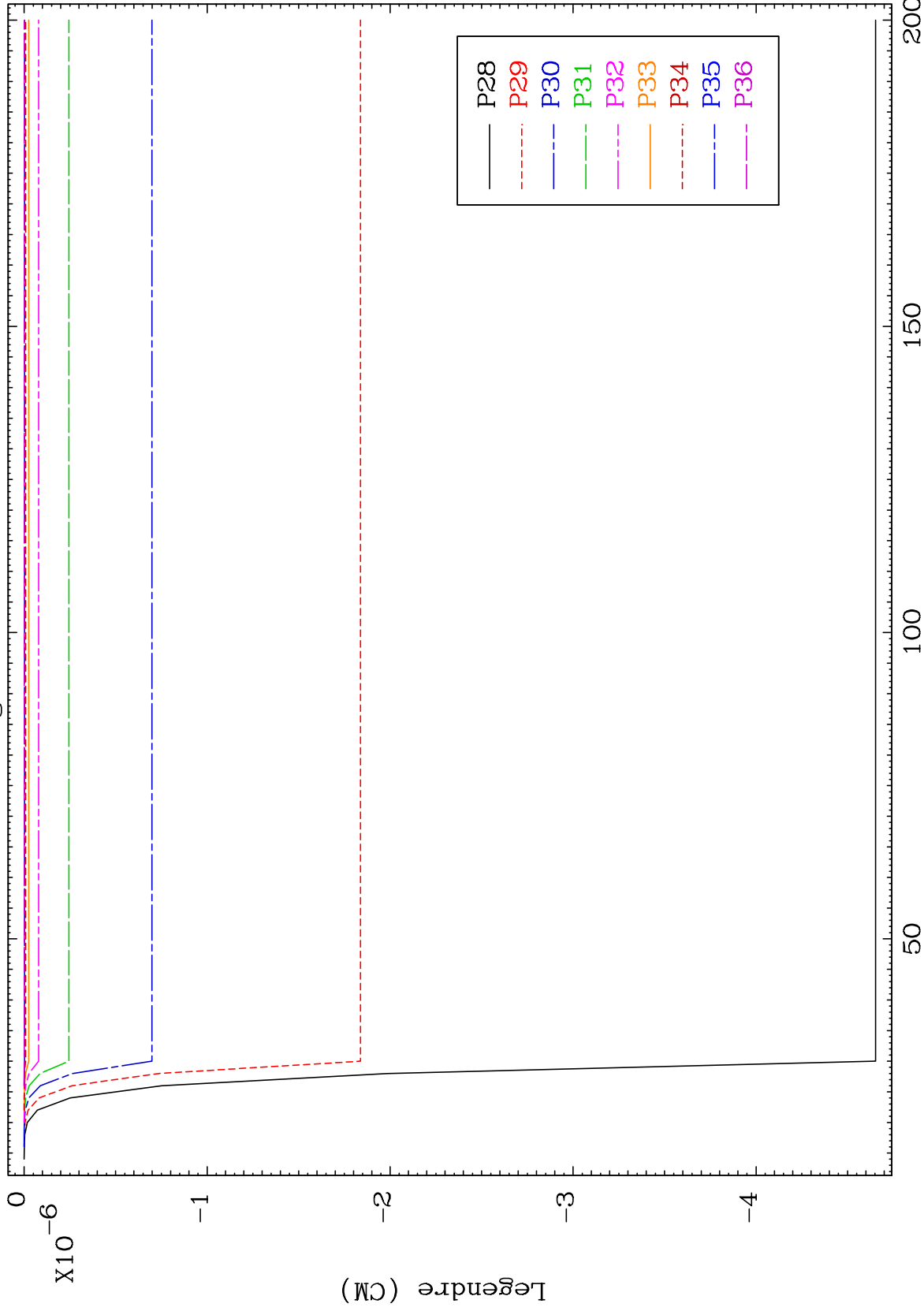
67-Ho-163



MAT 6719

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

67-Ho-163



67-Ho-163

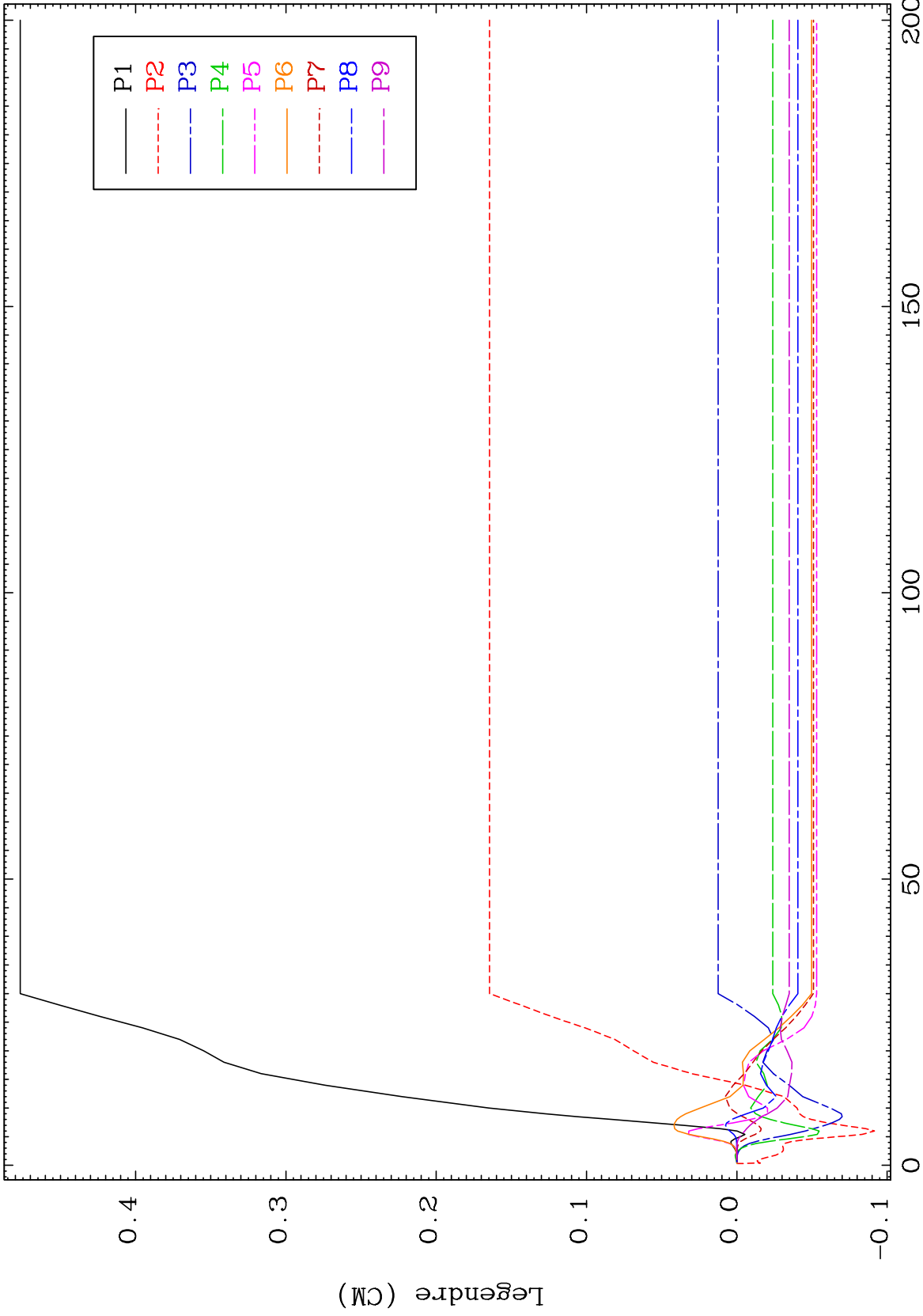
Incident Energy (MeV)

27

MAT 6719

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

67-Ho-163



28

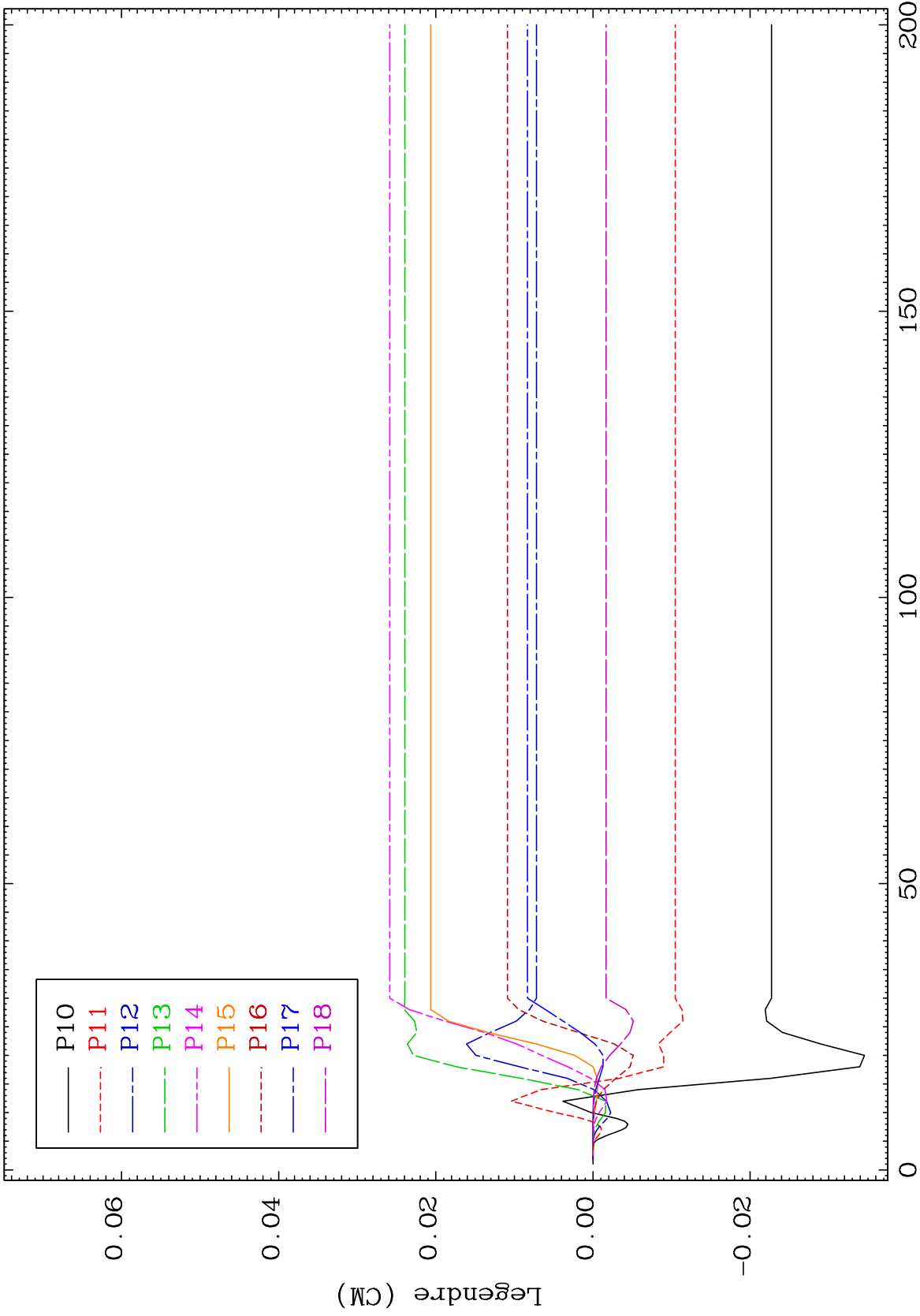
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



29

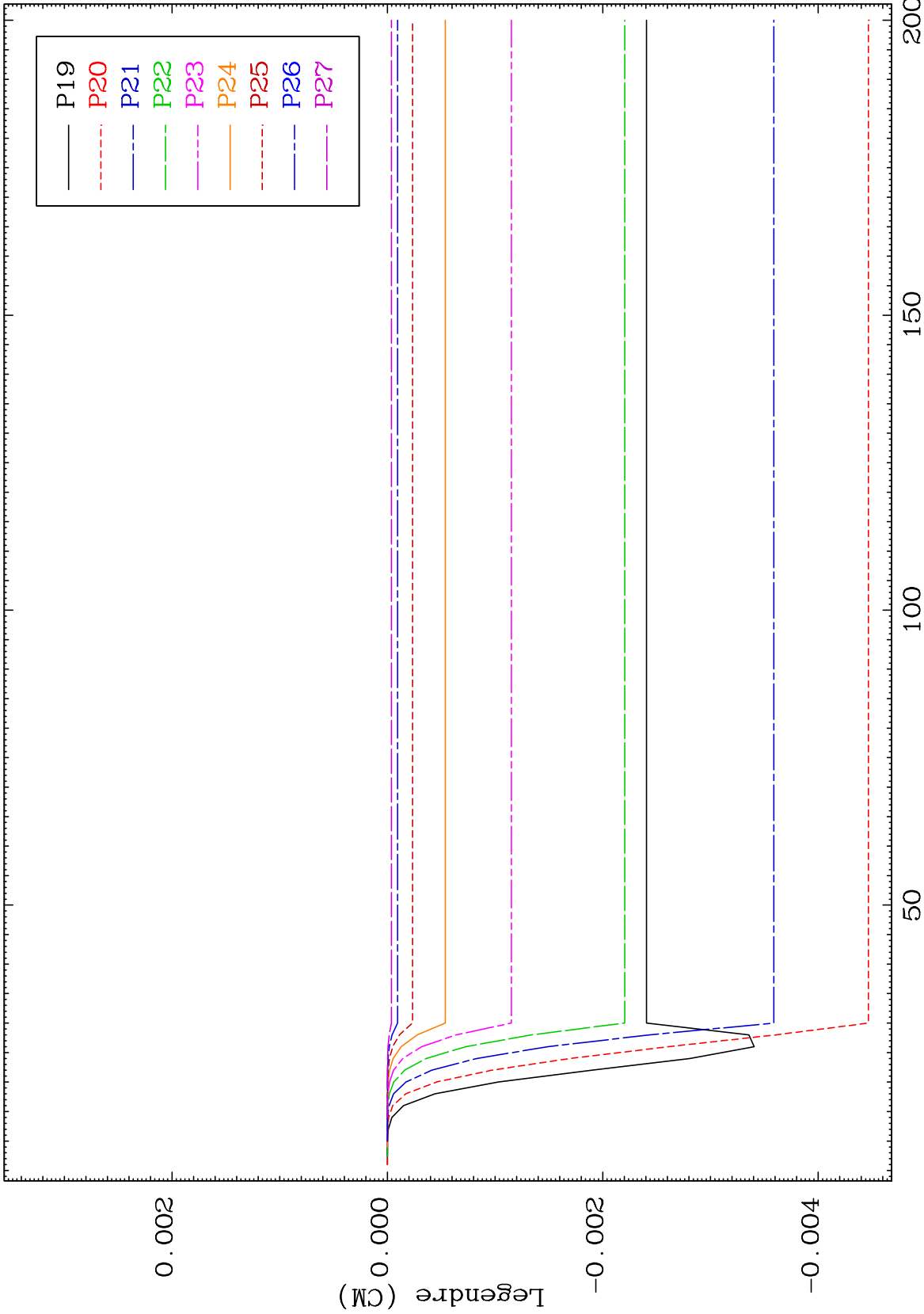
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



30

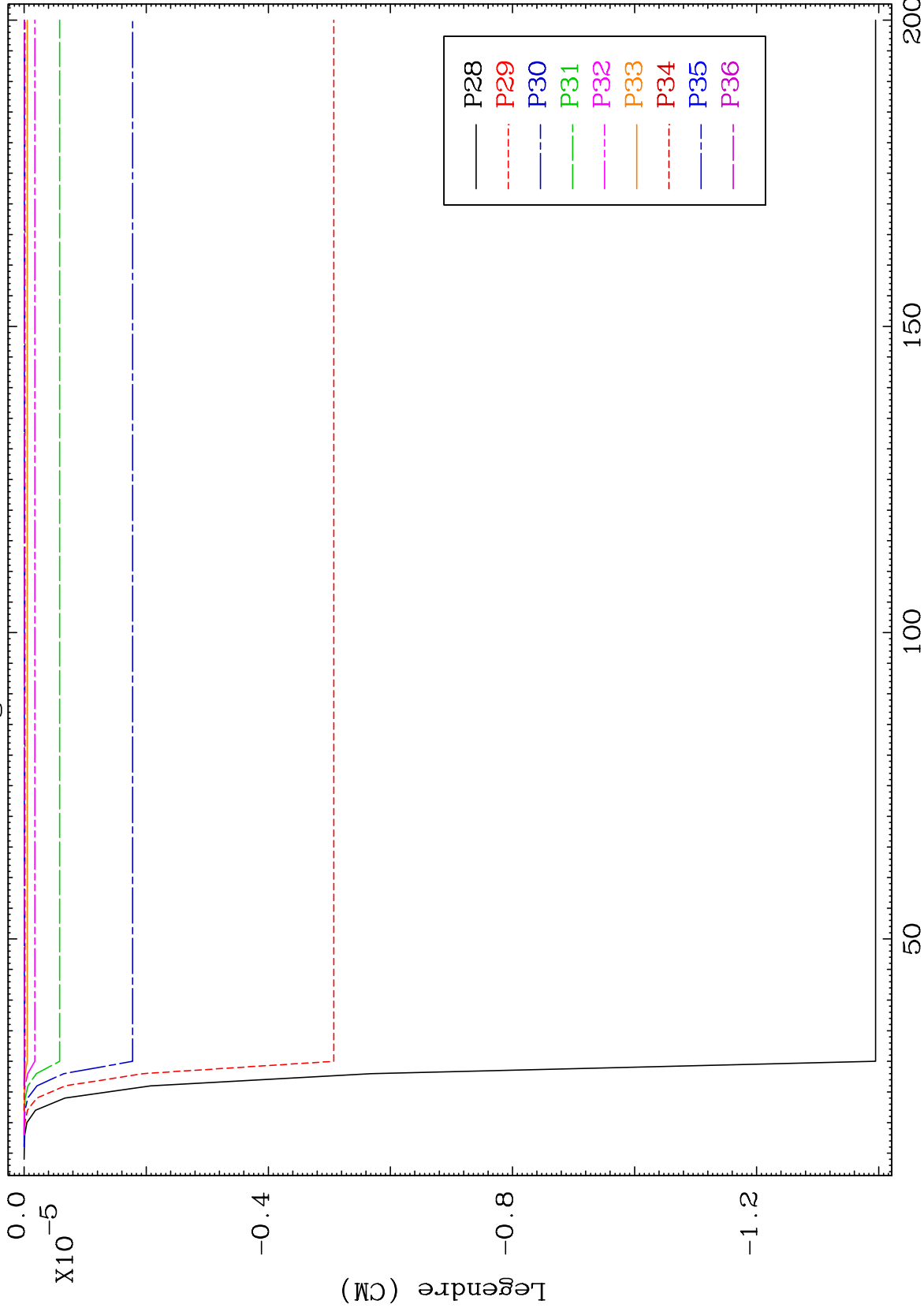
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



31

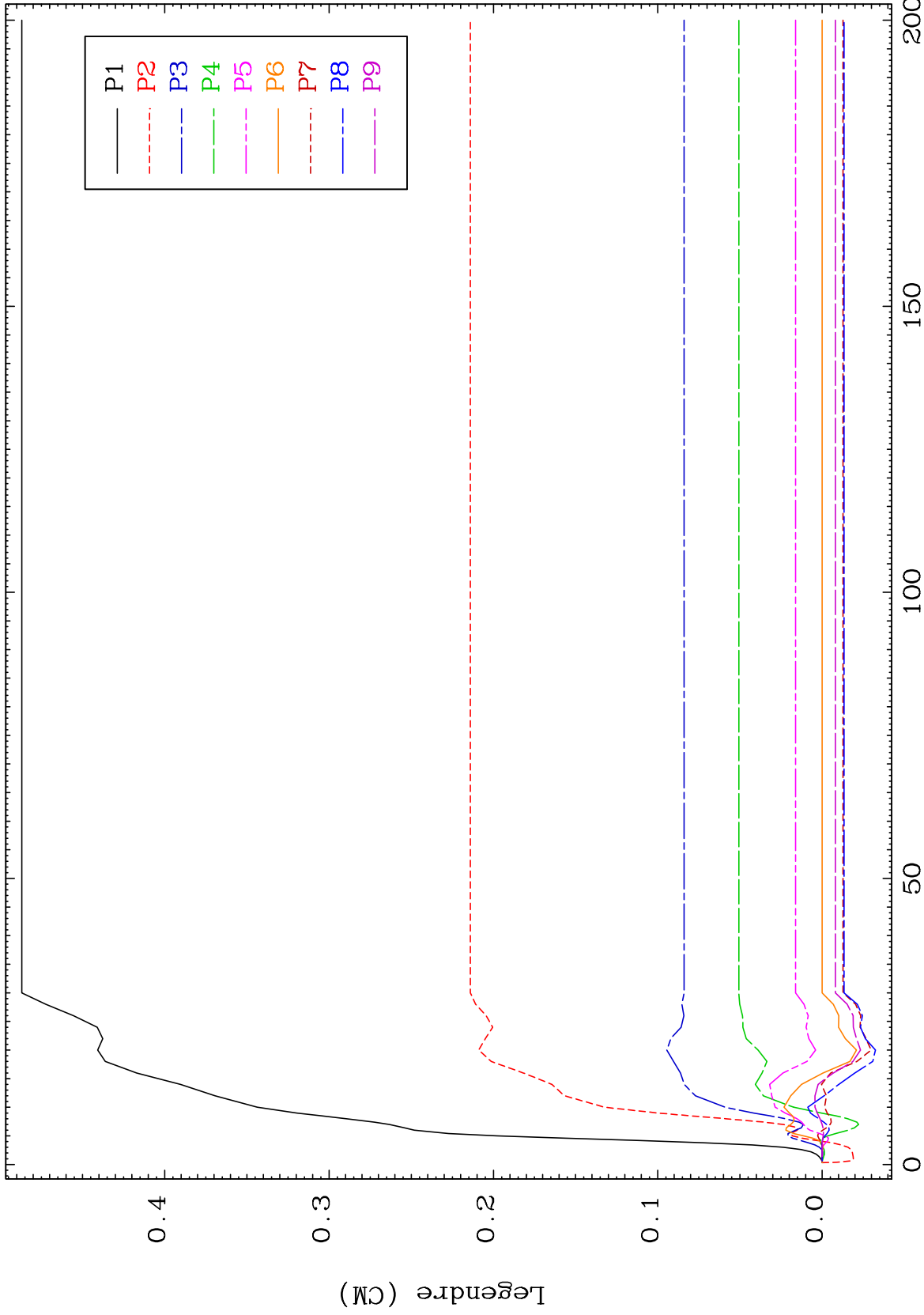
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



32

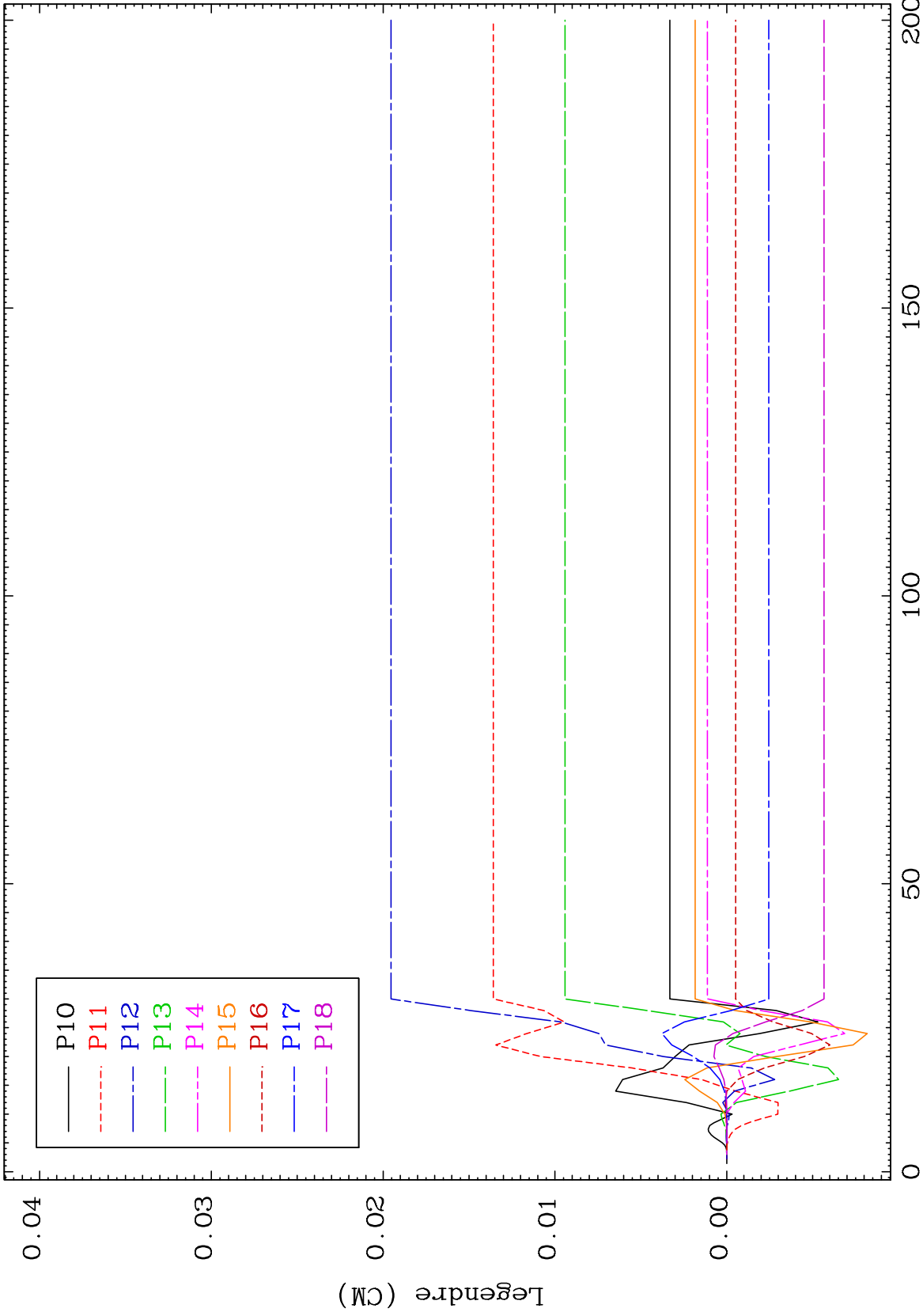
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



33

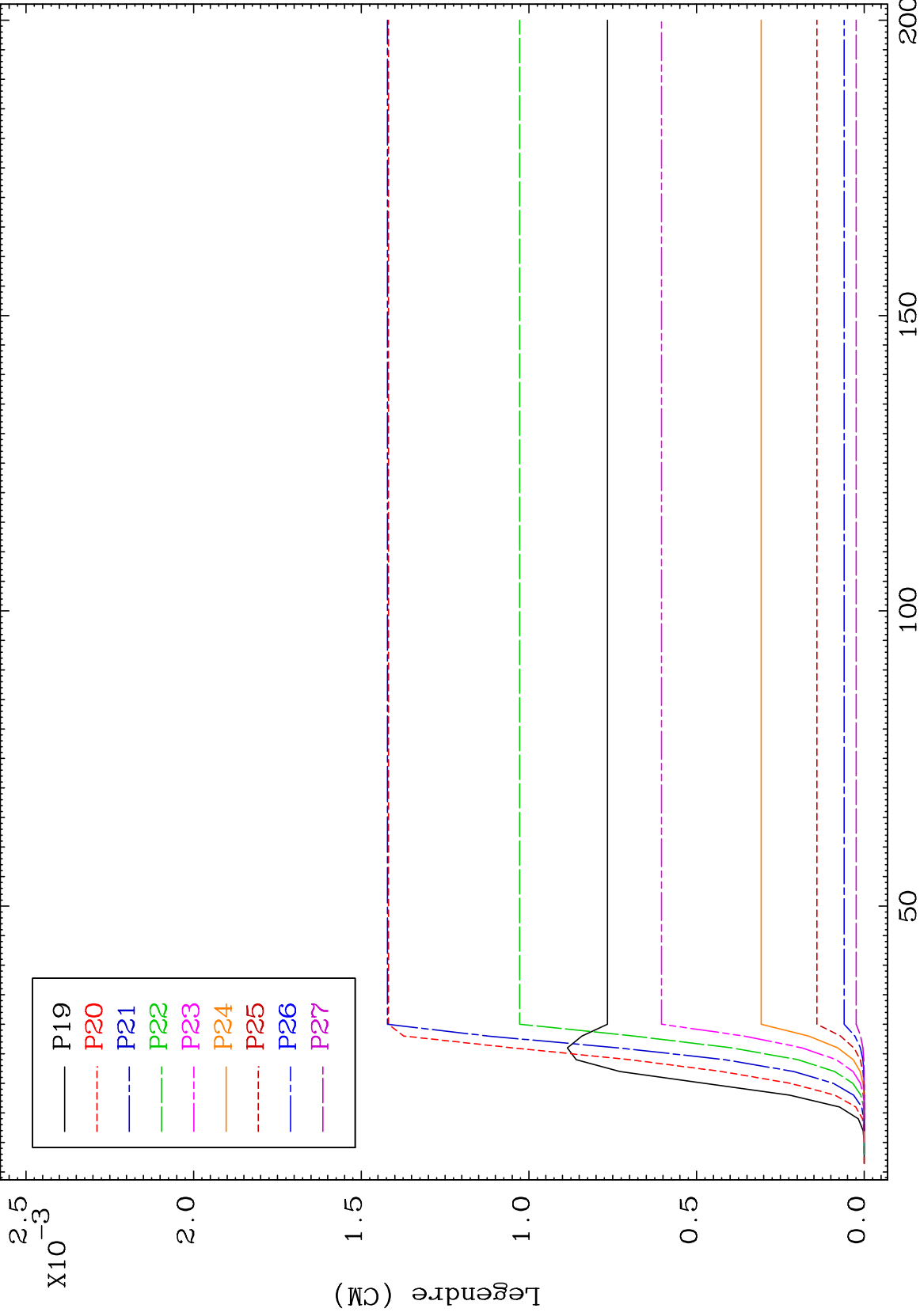
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



34

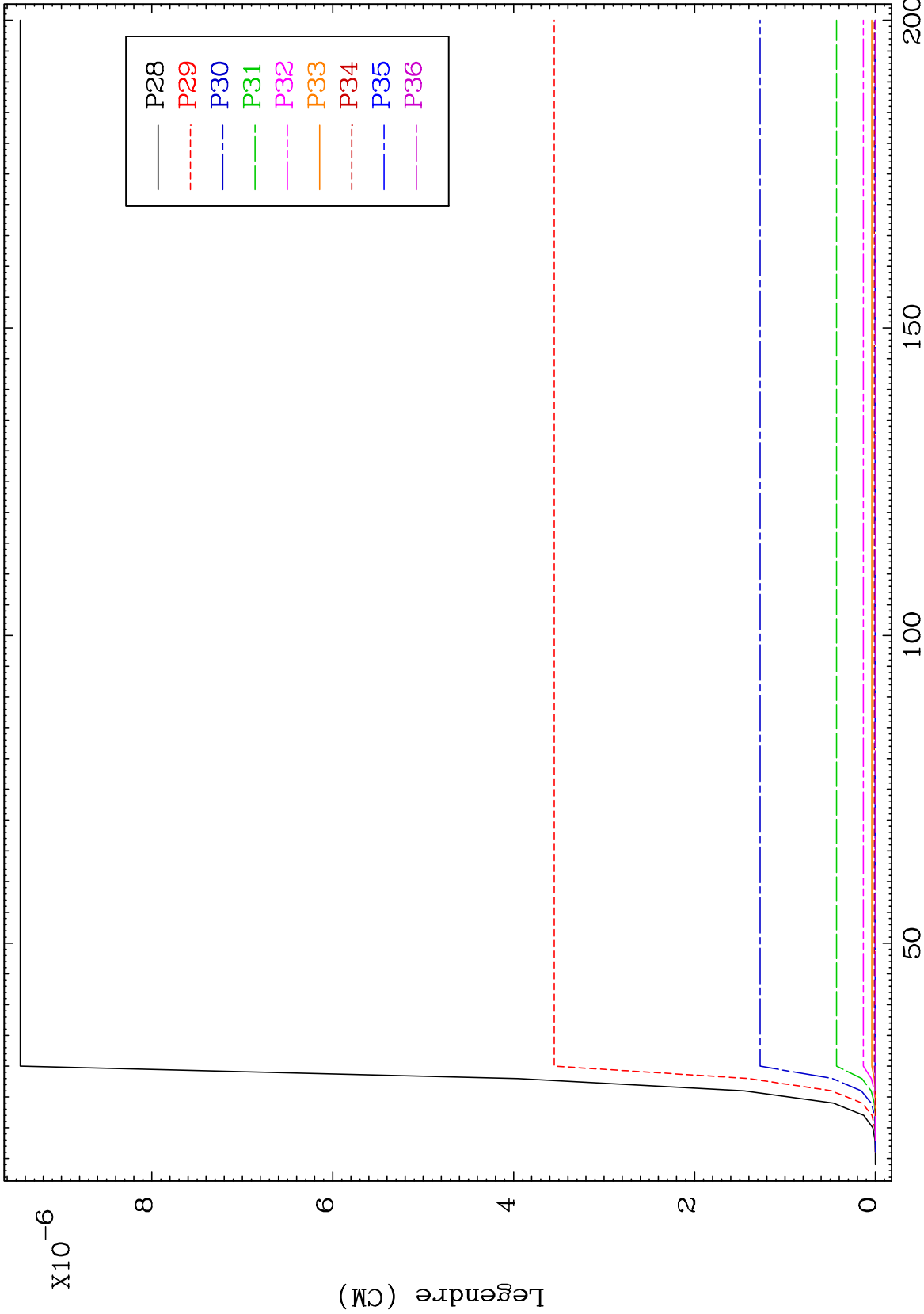
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



35

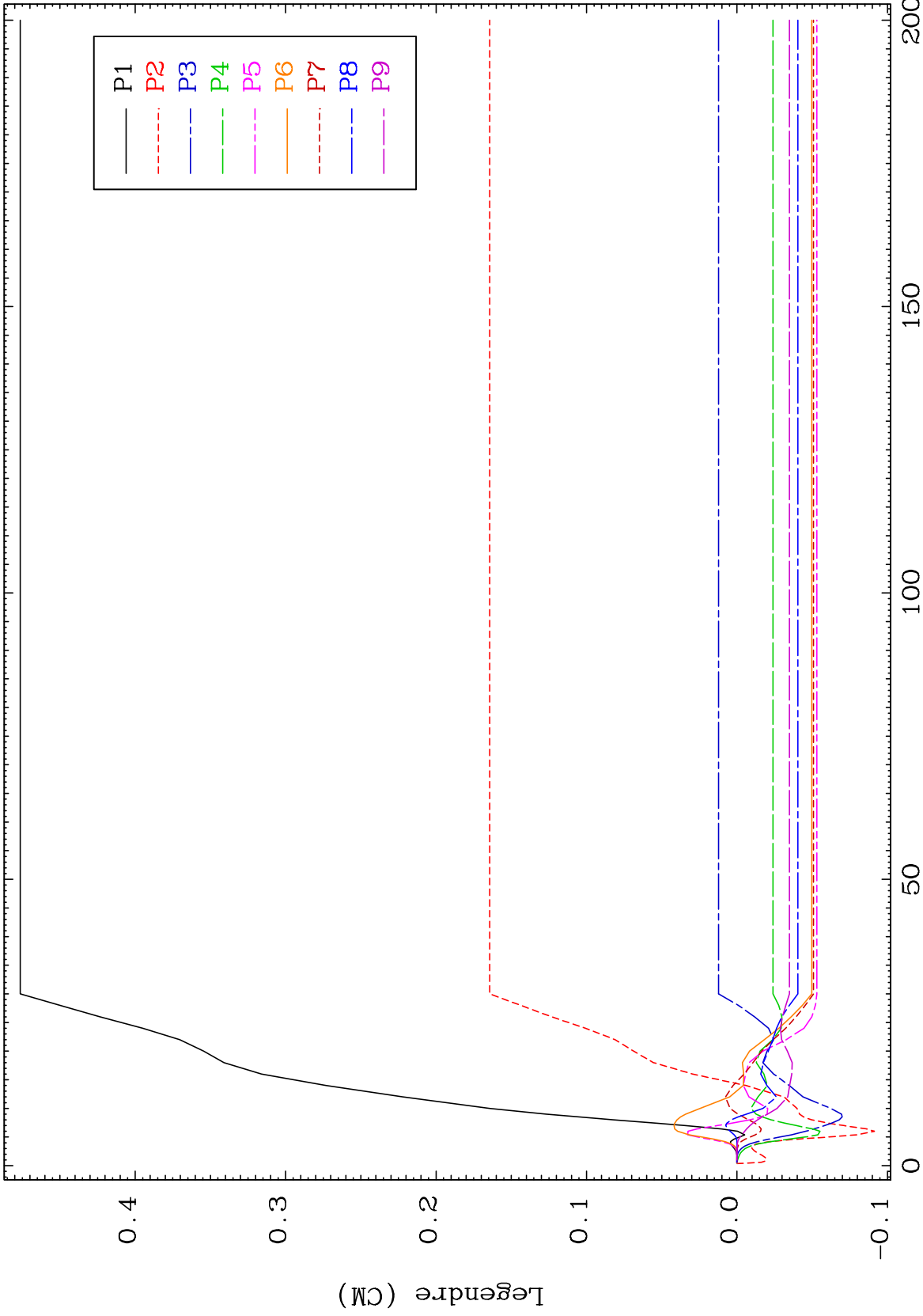
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



36

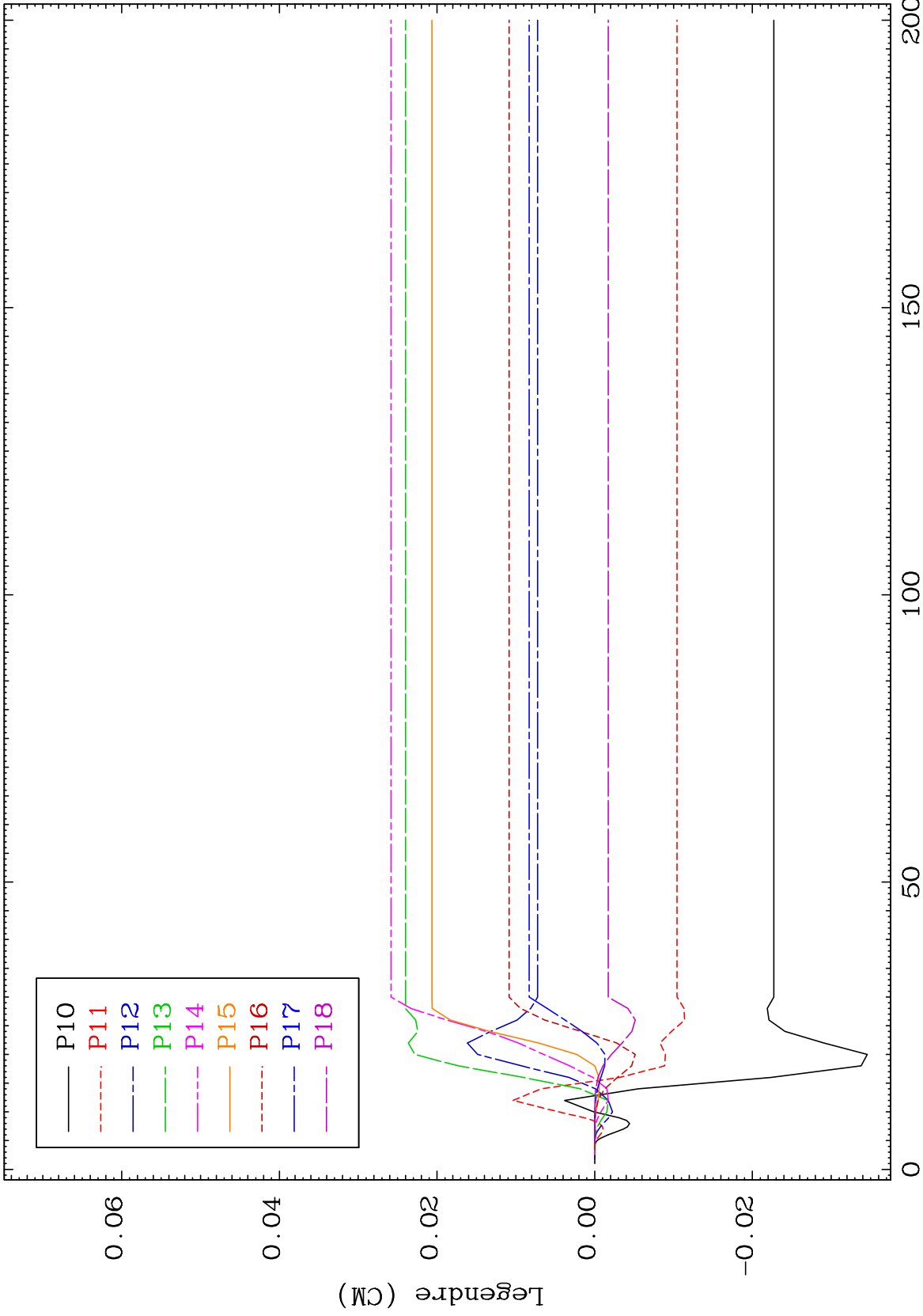
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



37

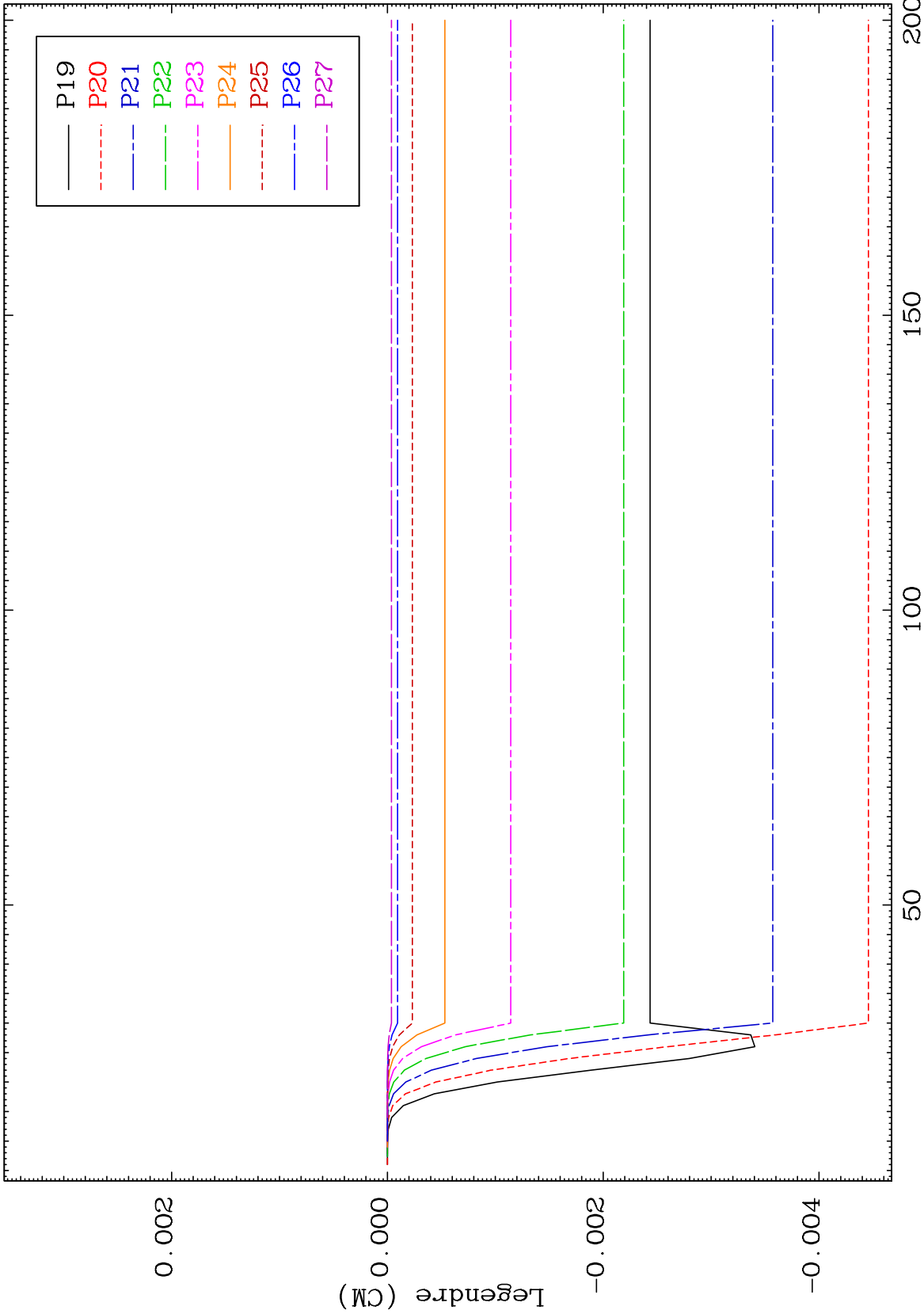
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



38

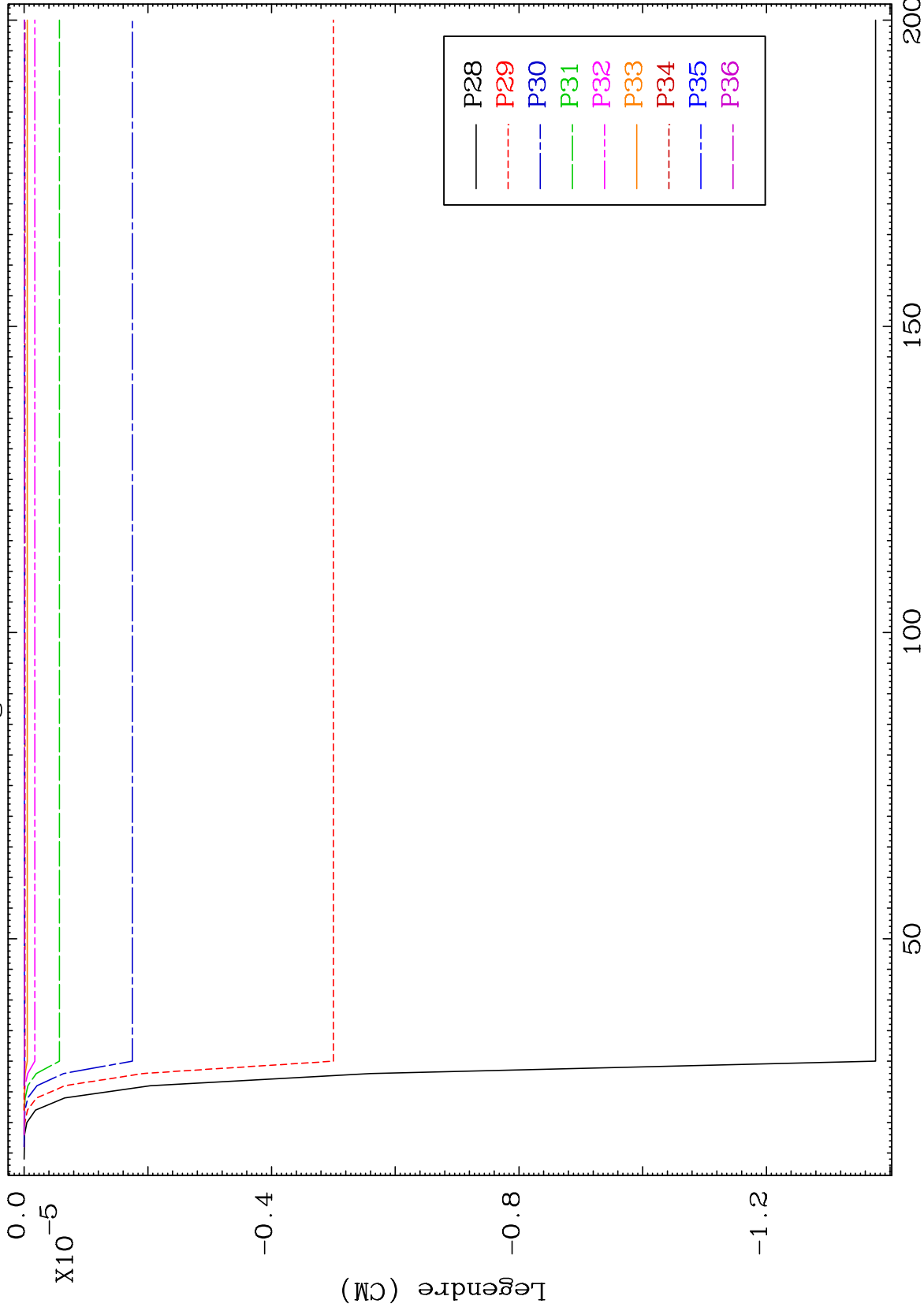
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



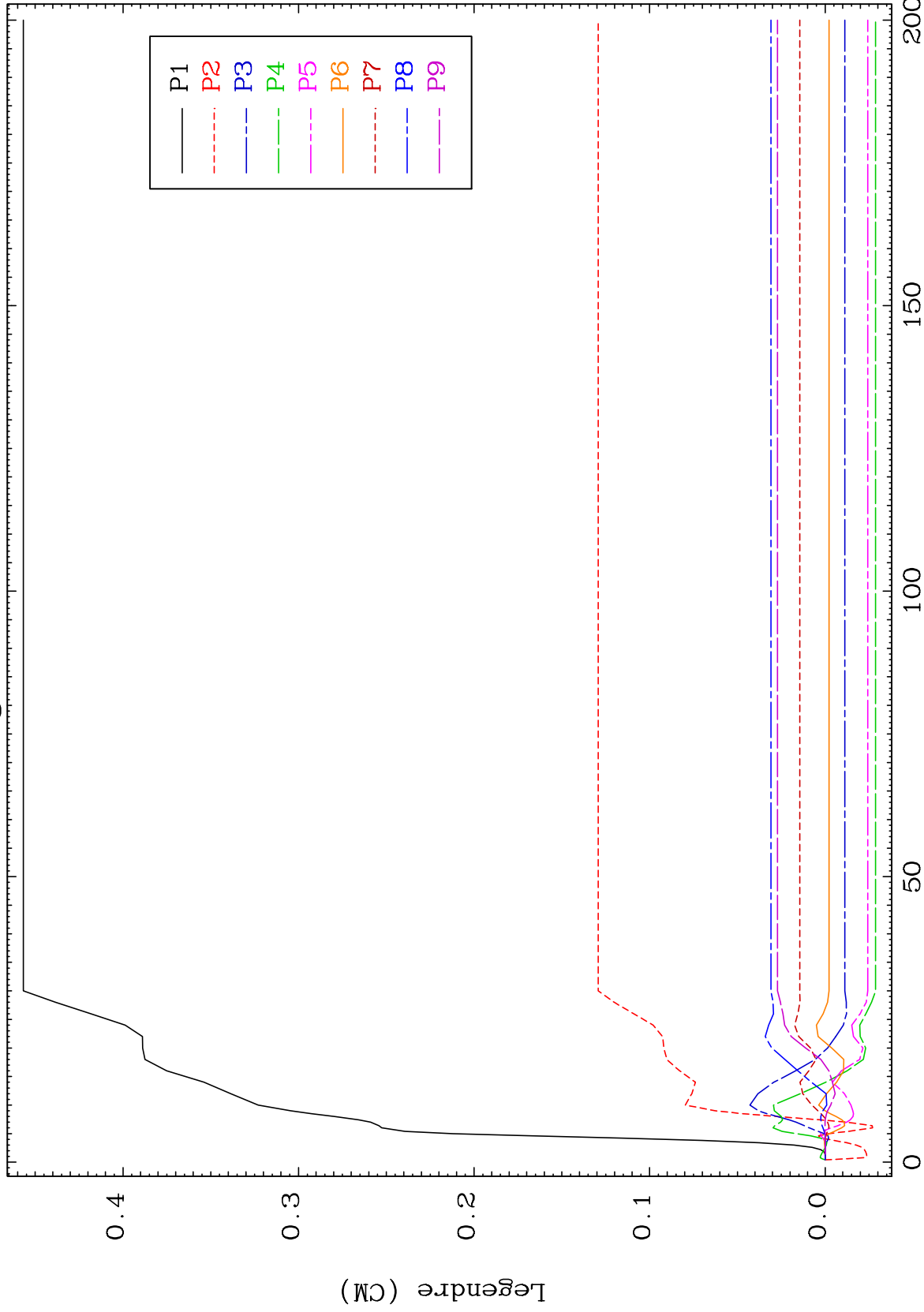
39

67-Ho-163

MAT 6719

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

67-Ho-163



67-Ho-163

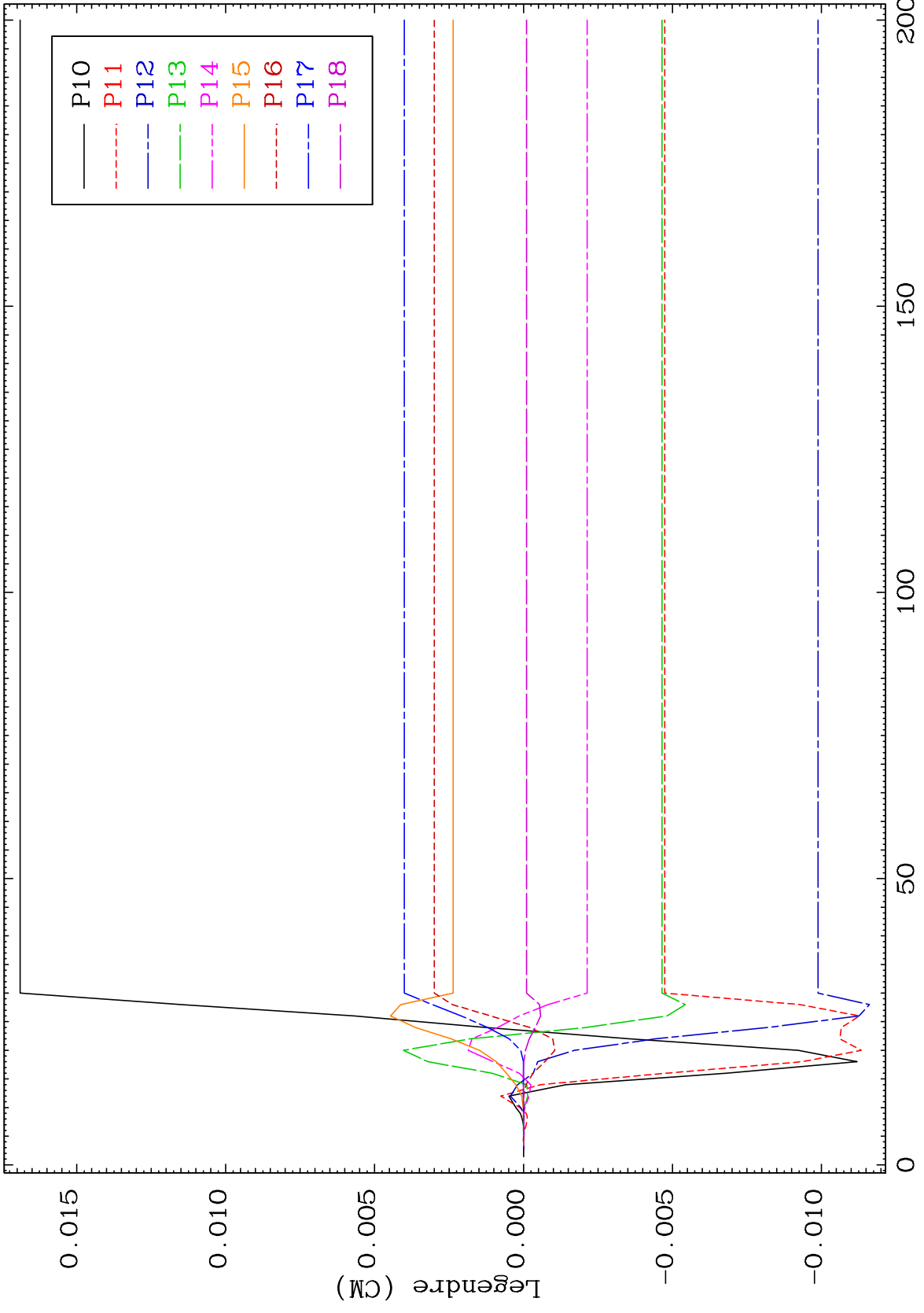
Incident Energy (MeV)

40

MAT 6719

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

67-Ho-163



41

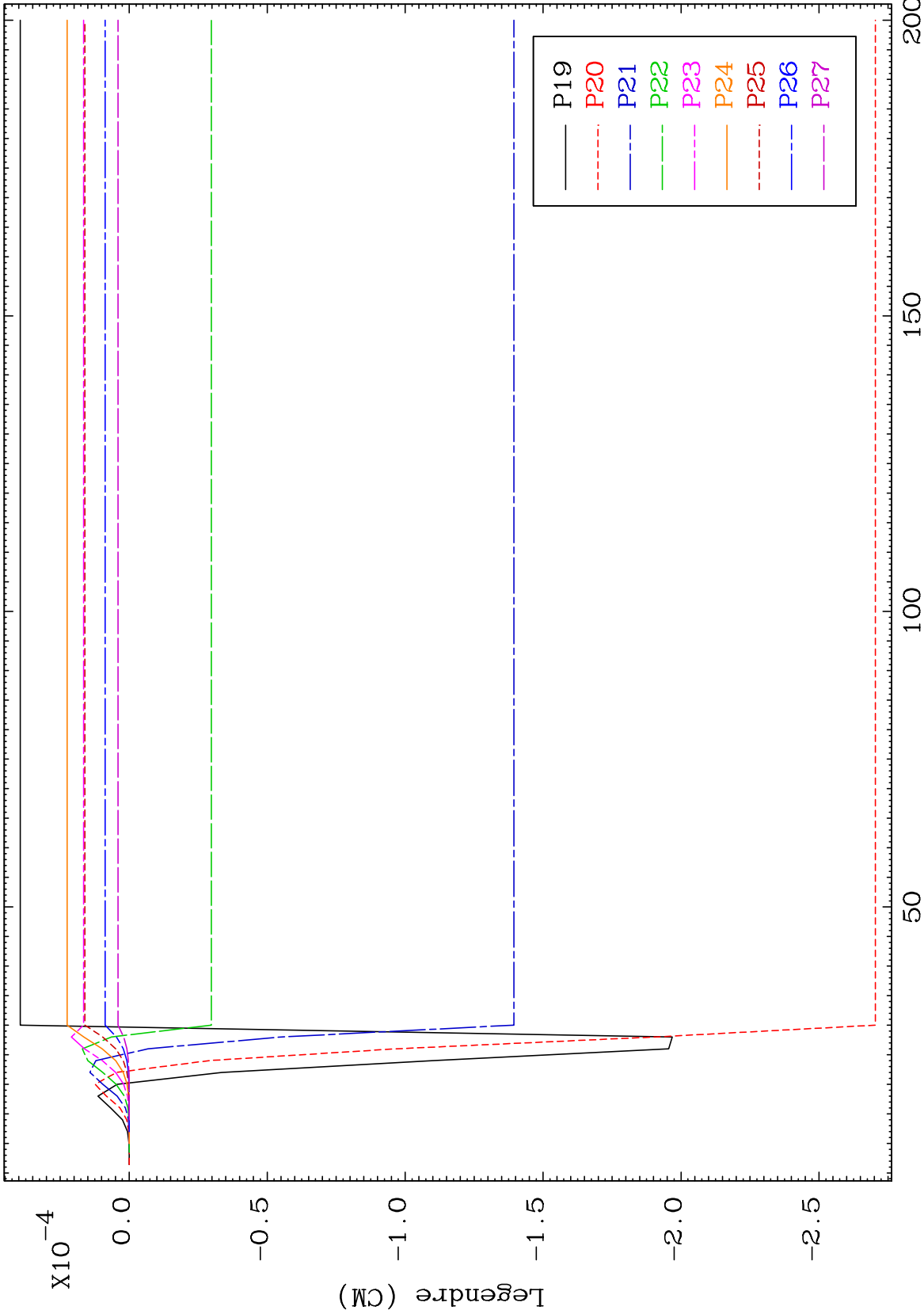
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



42

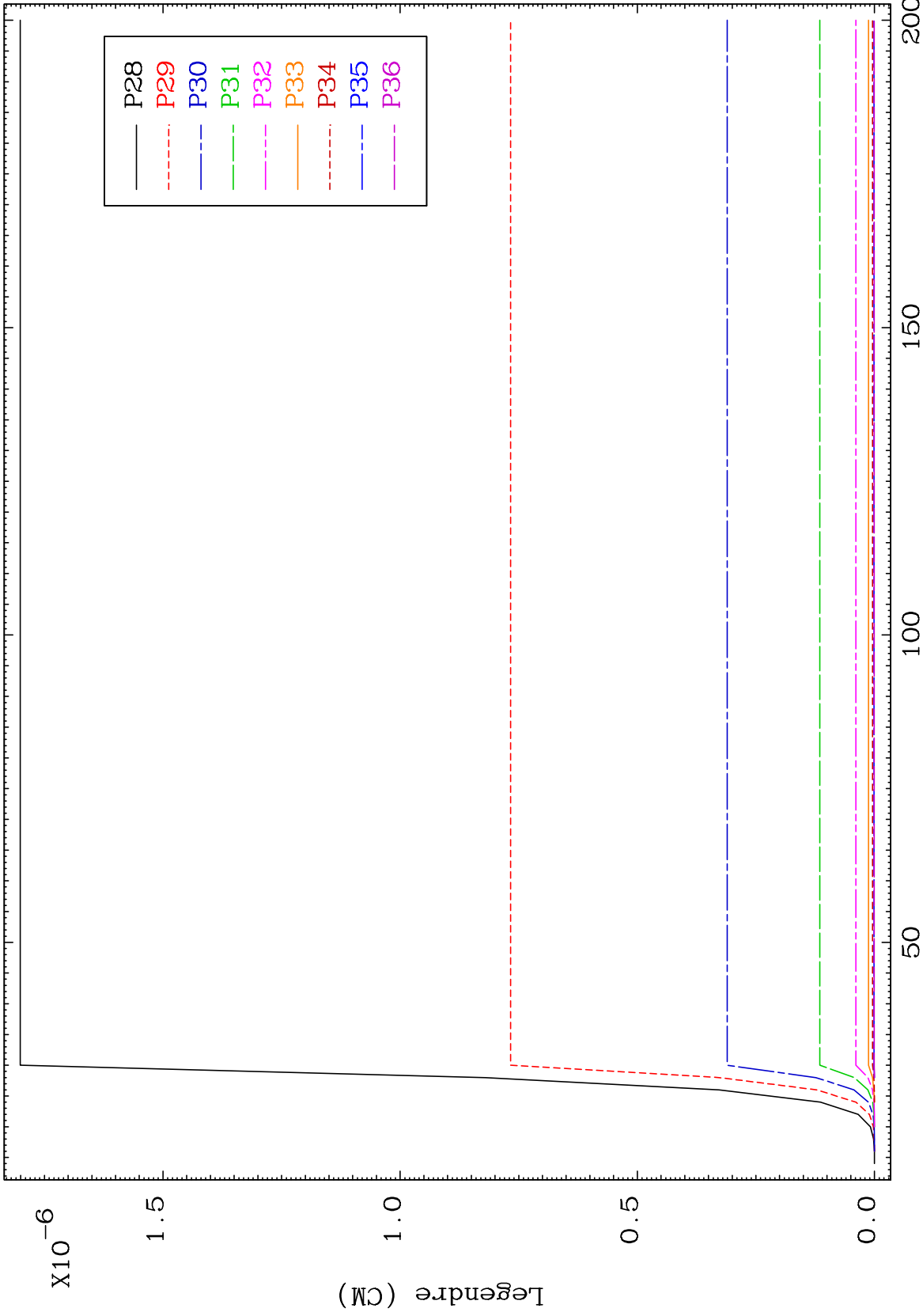
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



43

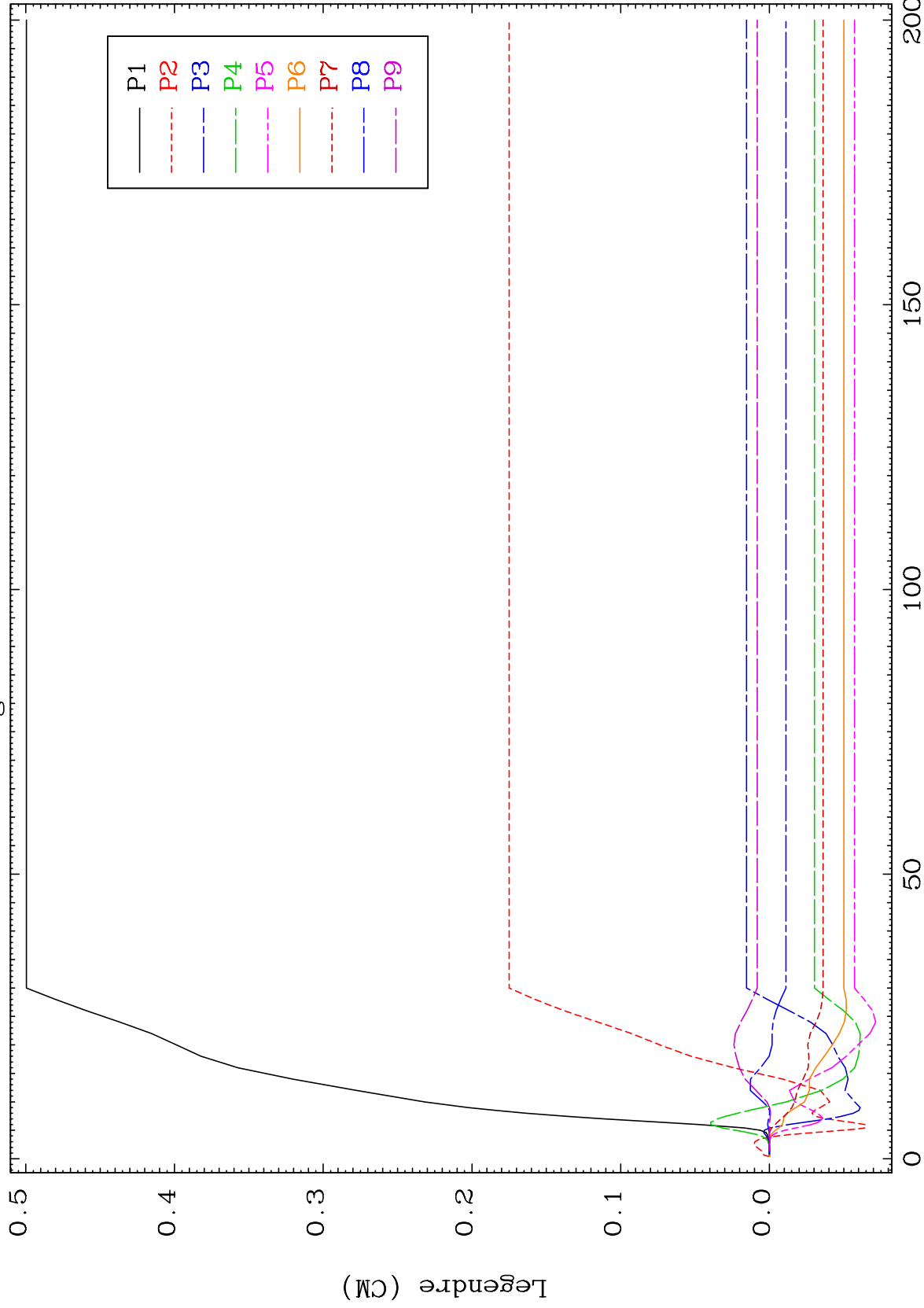
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



44

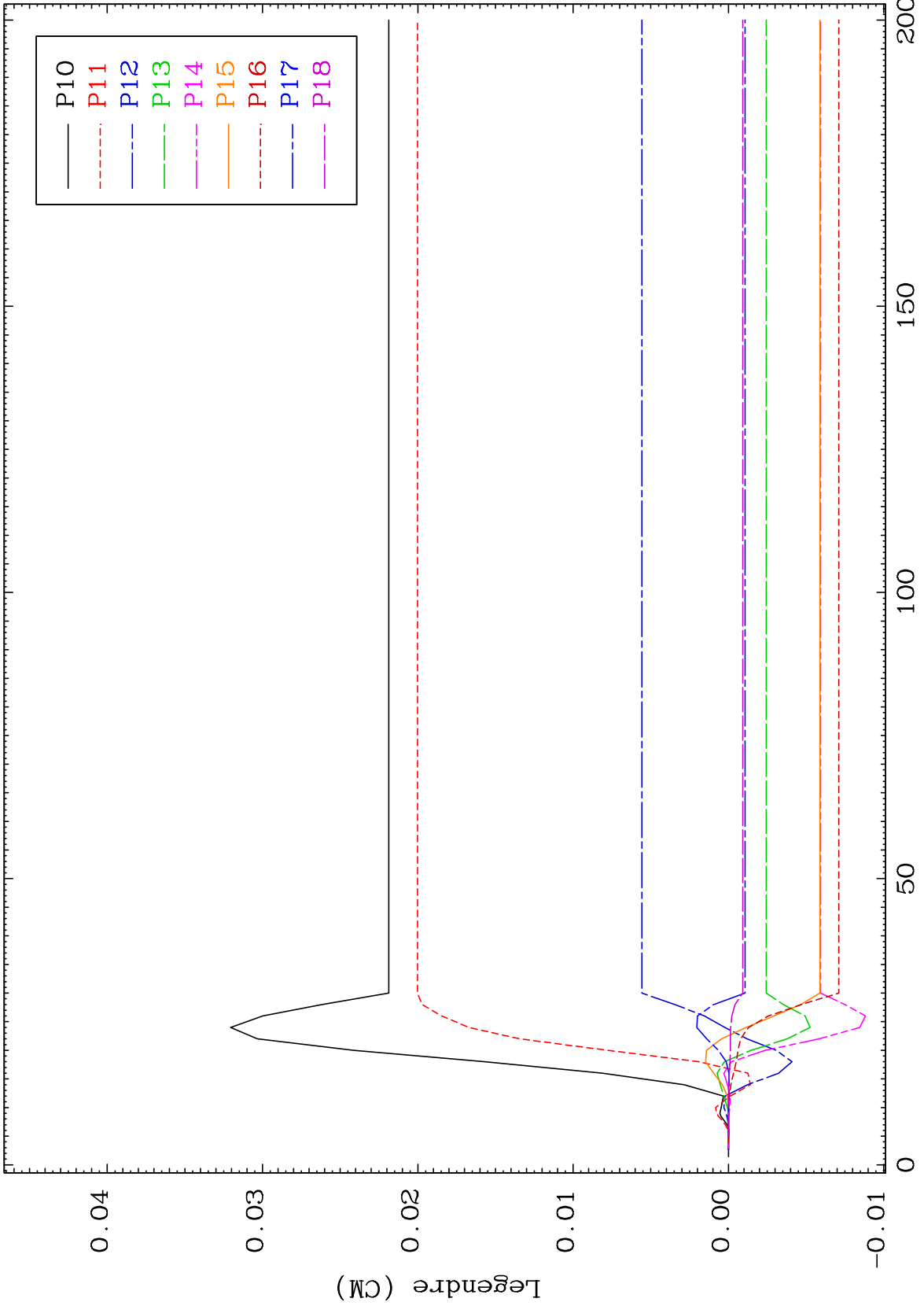
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



45

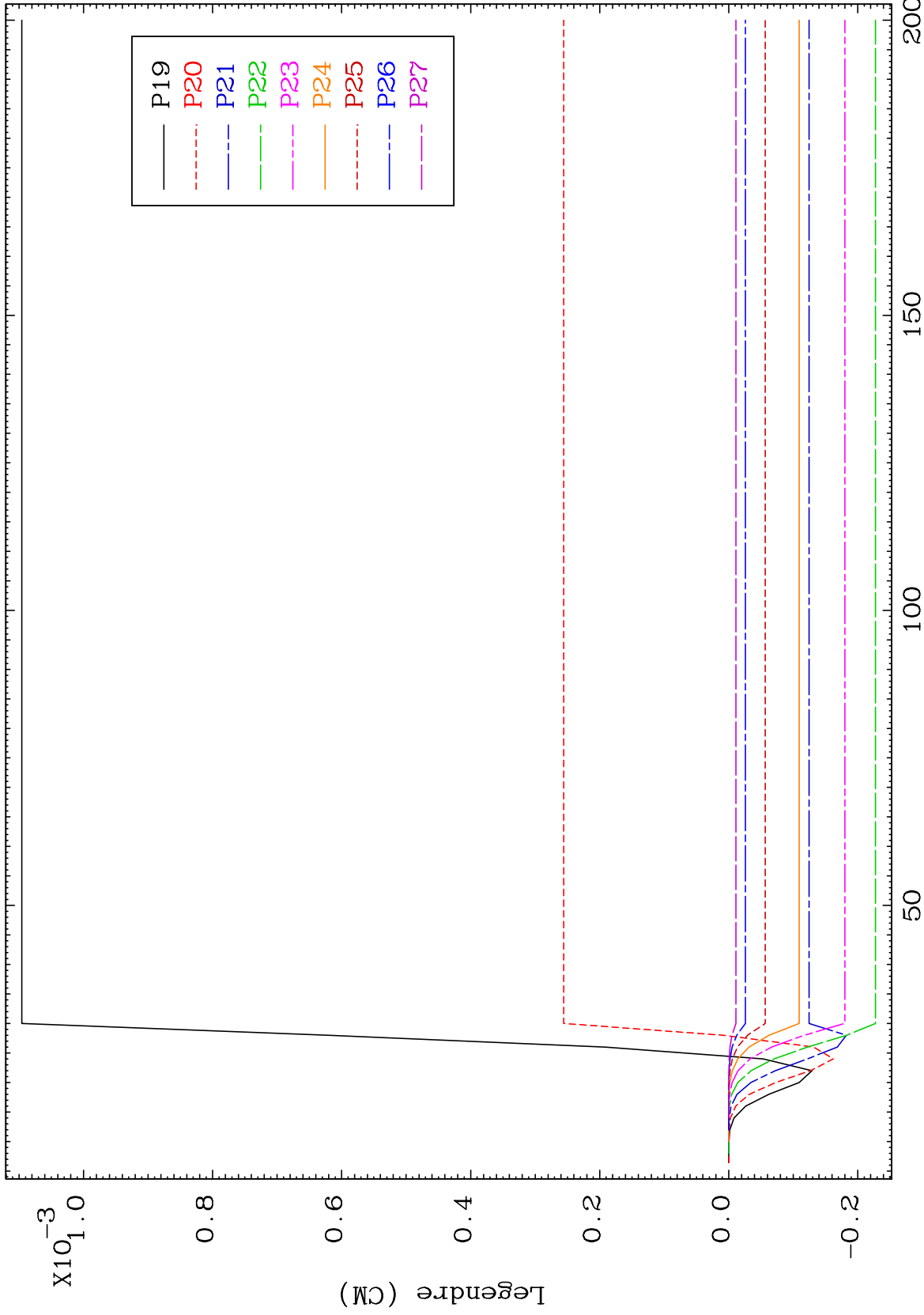
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



46

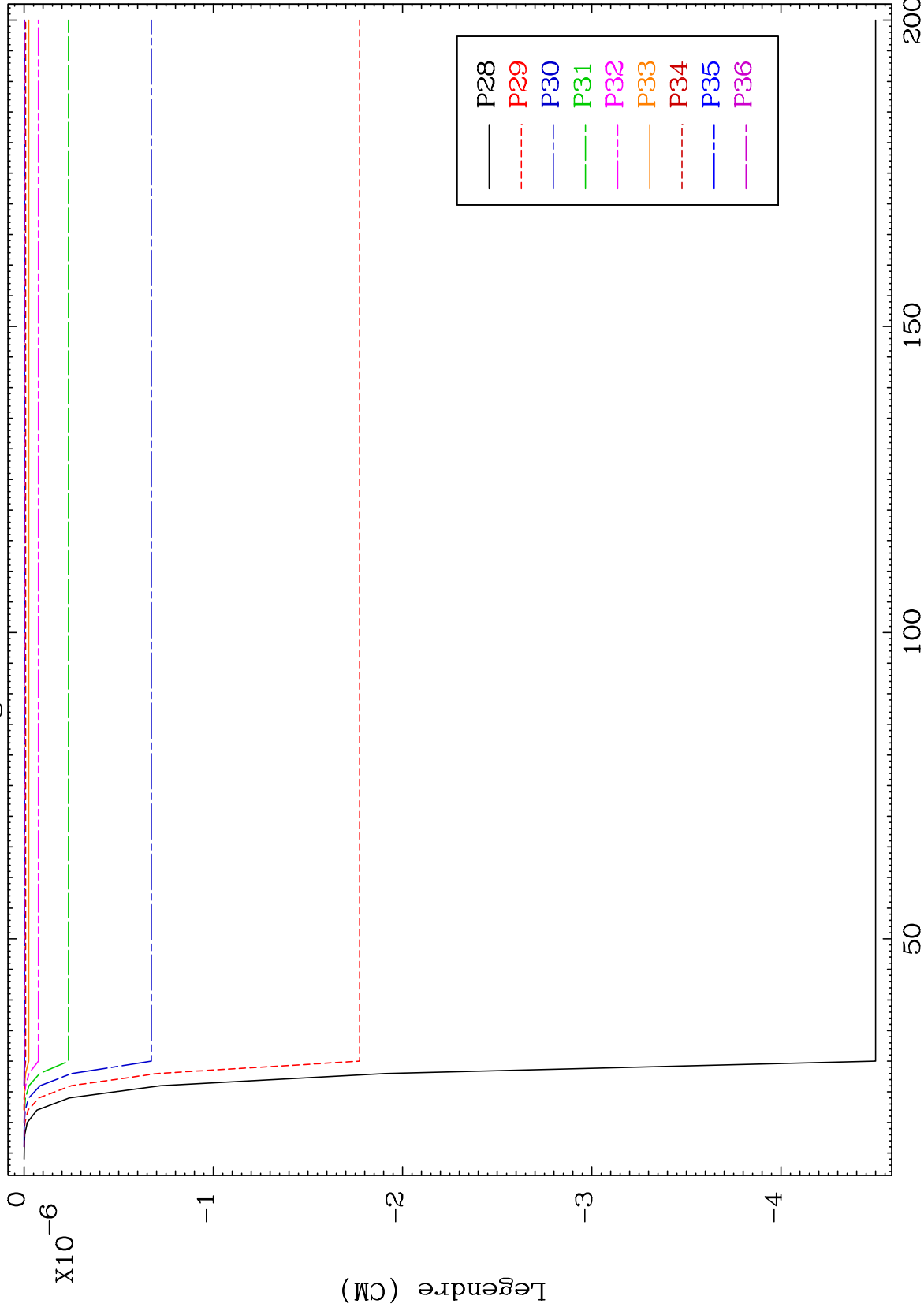
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



67-Ho-163

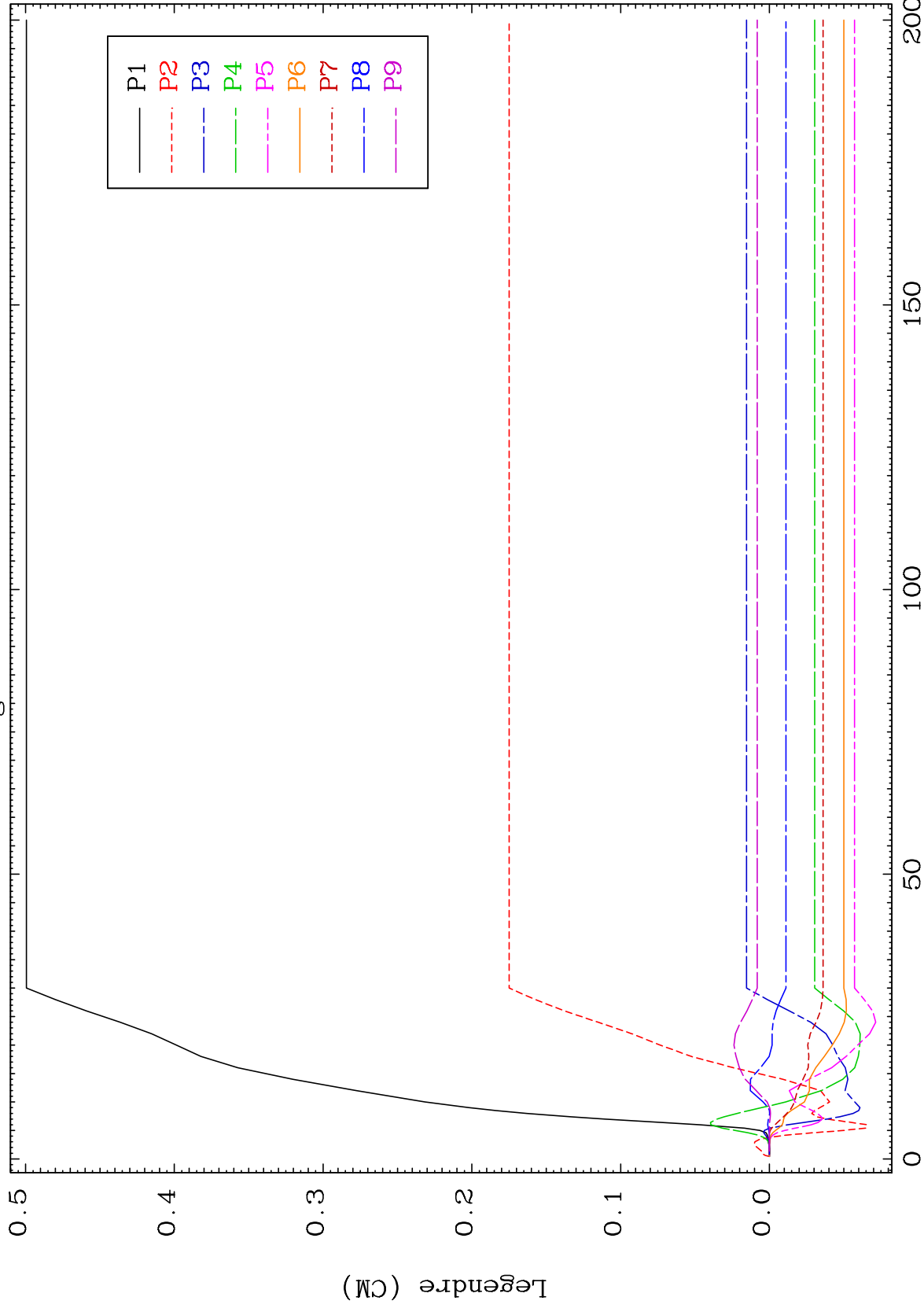
Incident Energy (MeV)

47

MAT 6719

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

67-Ho-163



48

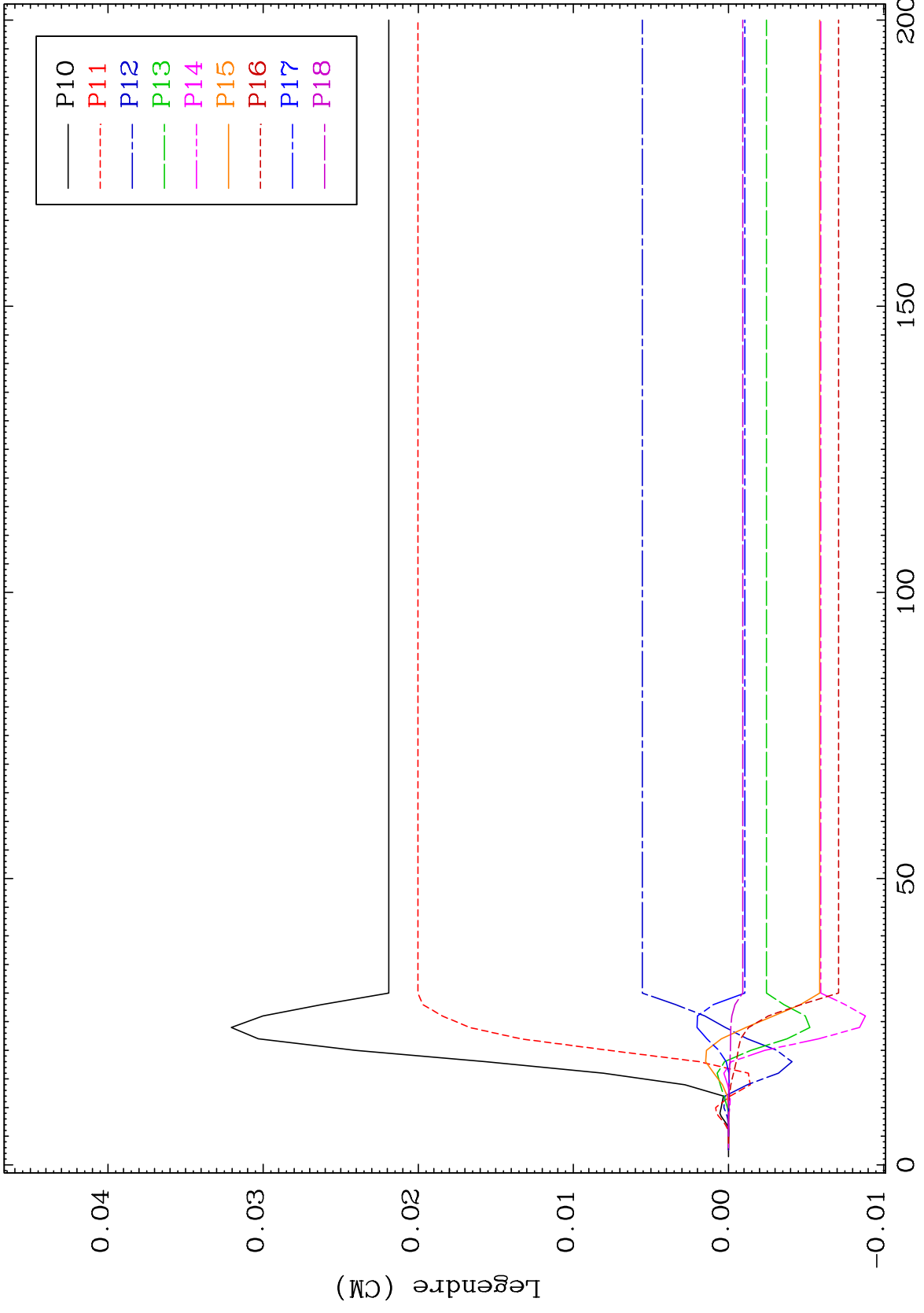
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



49

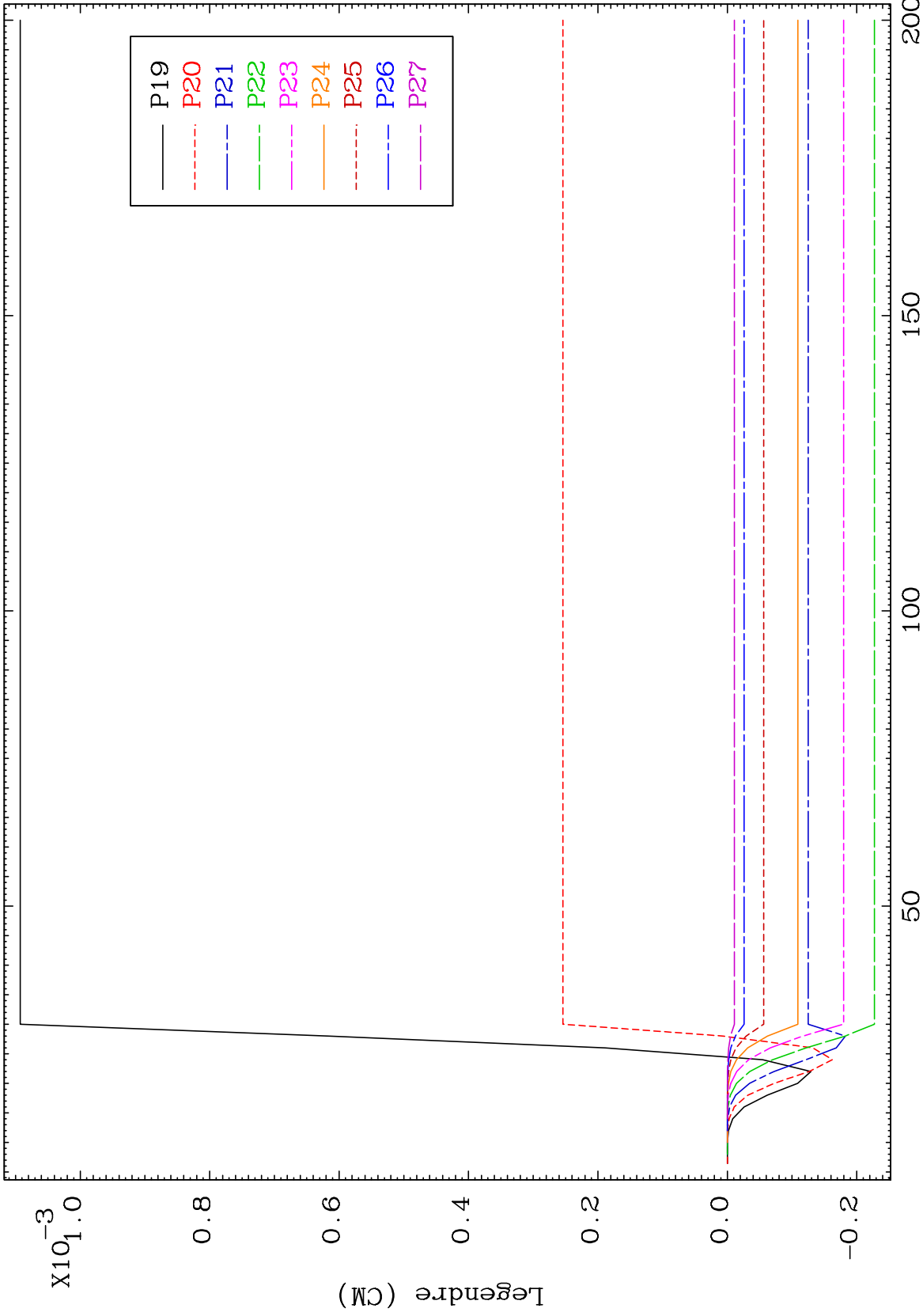
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



50

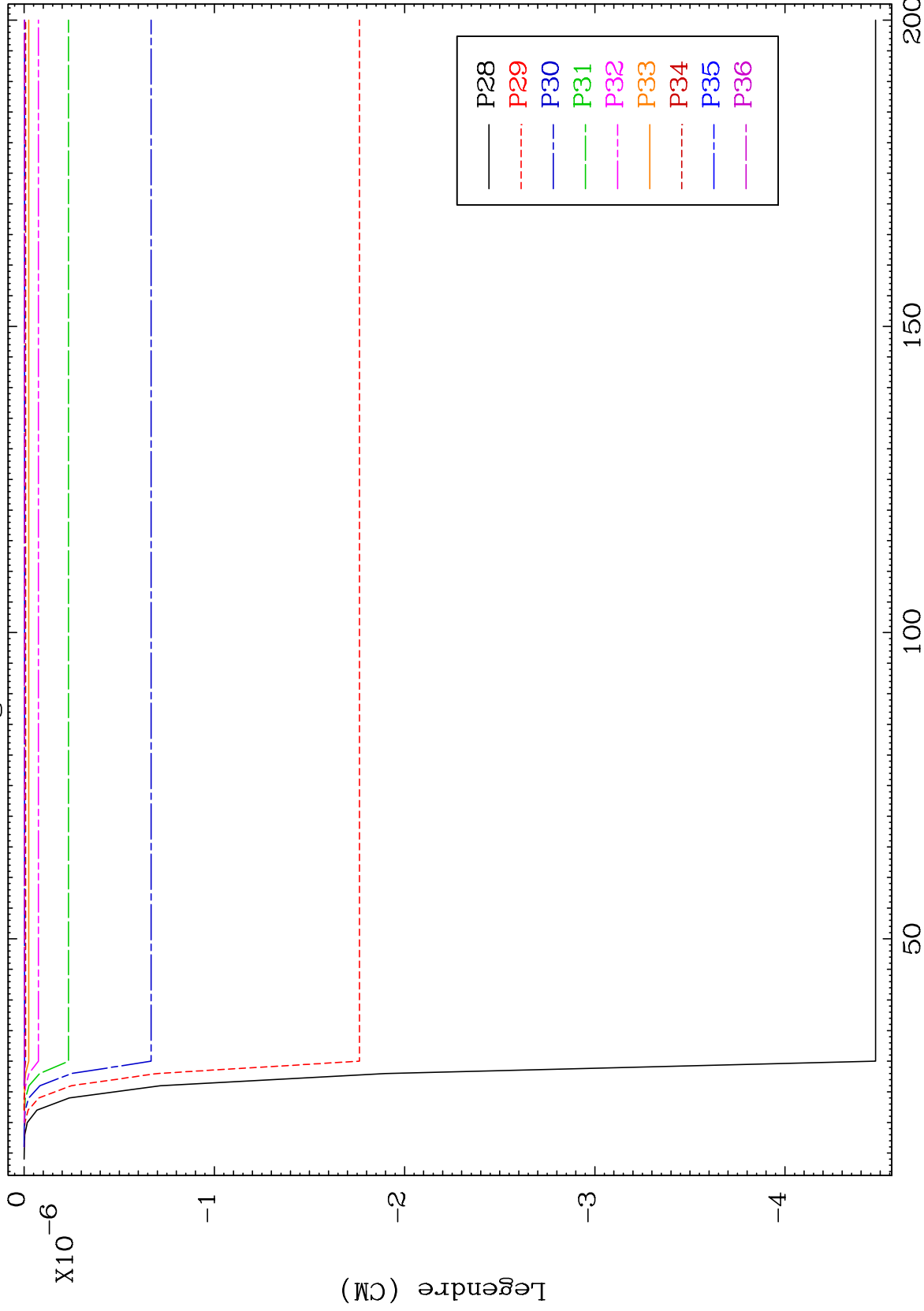
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



51

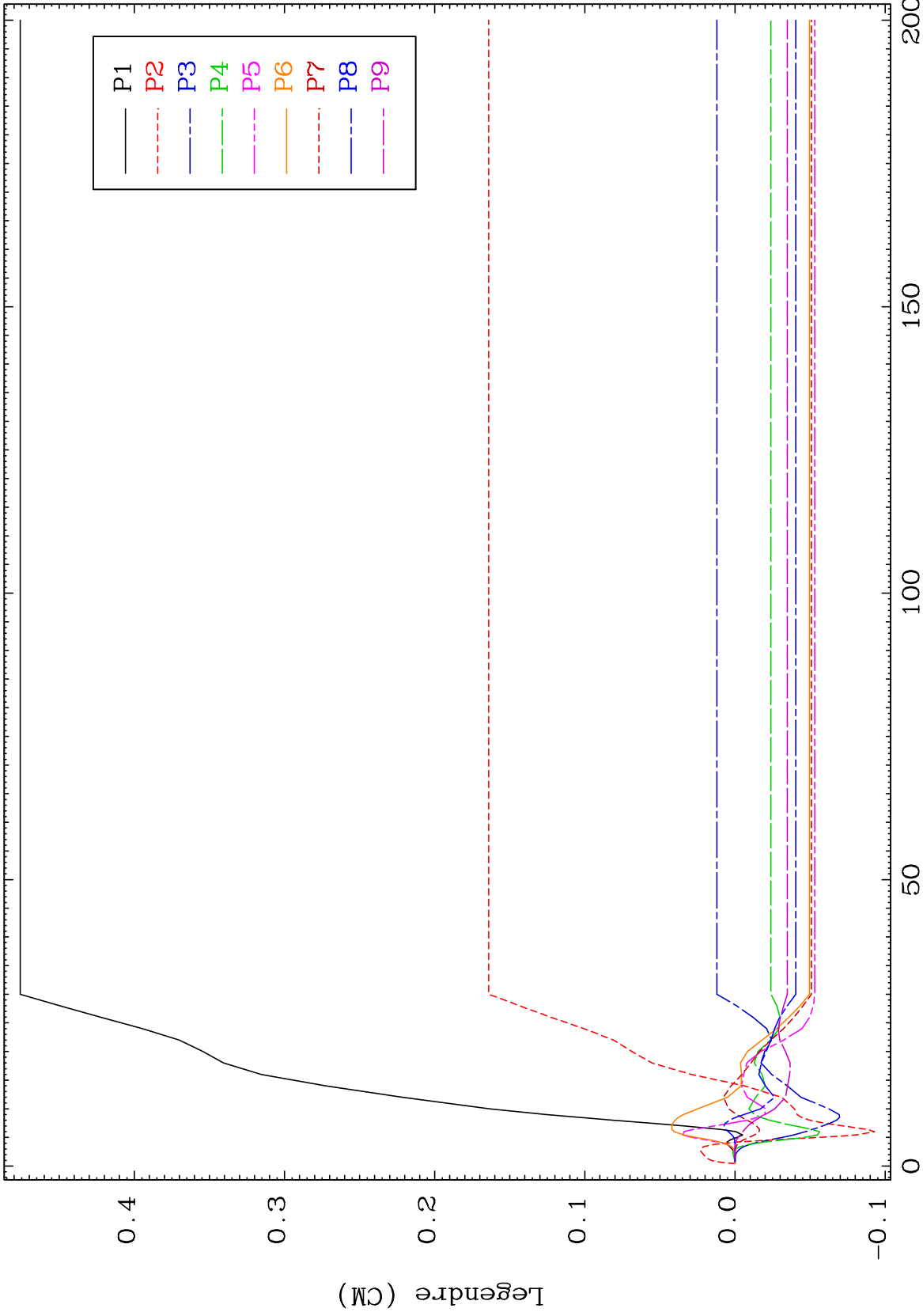
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



52

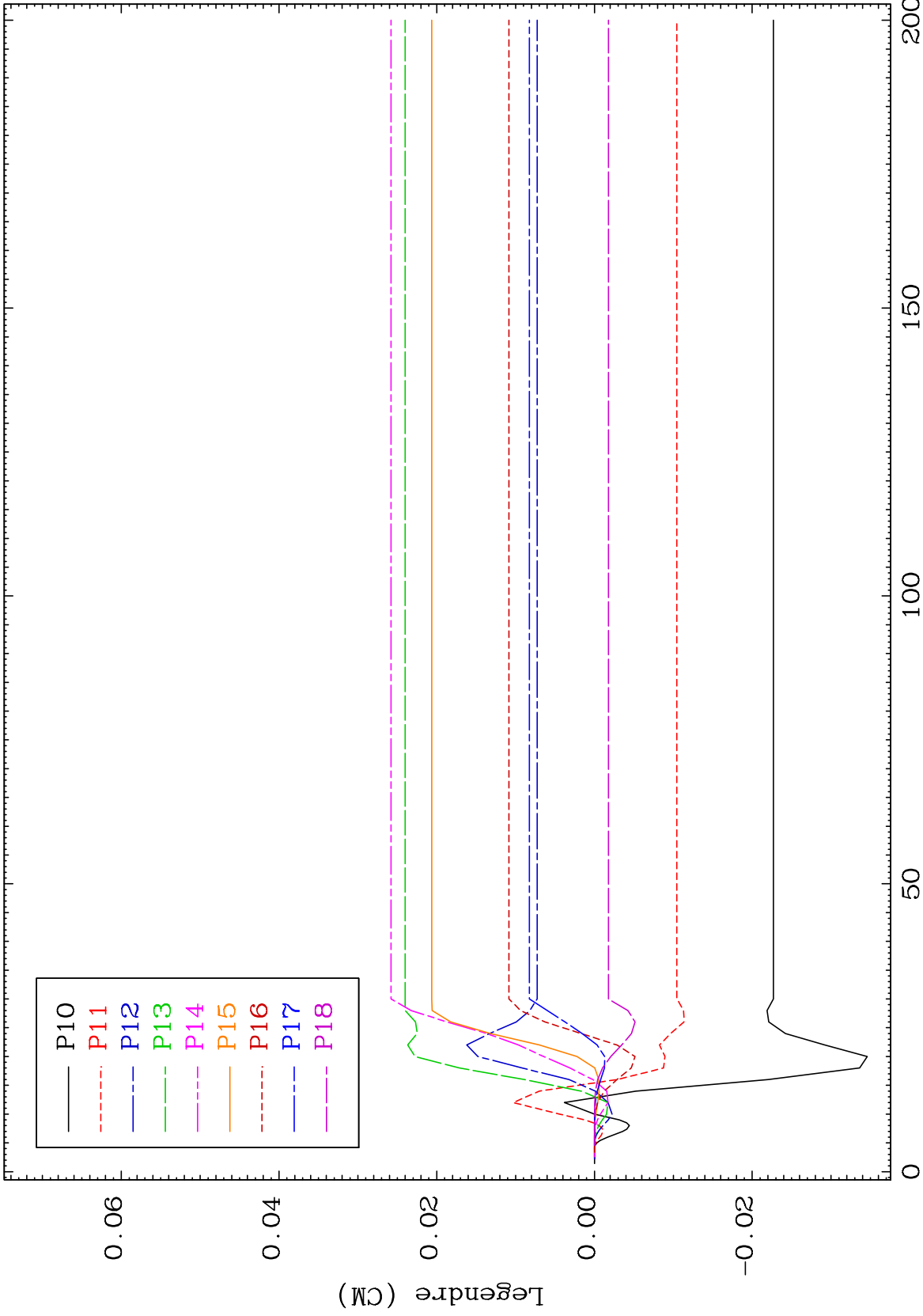
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



53

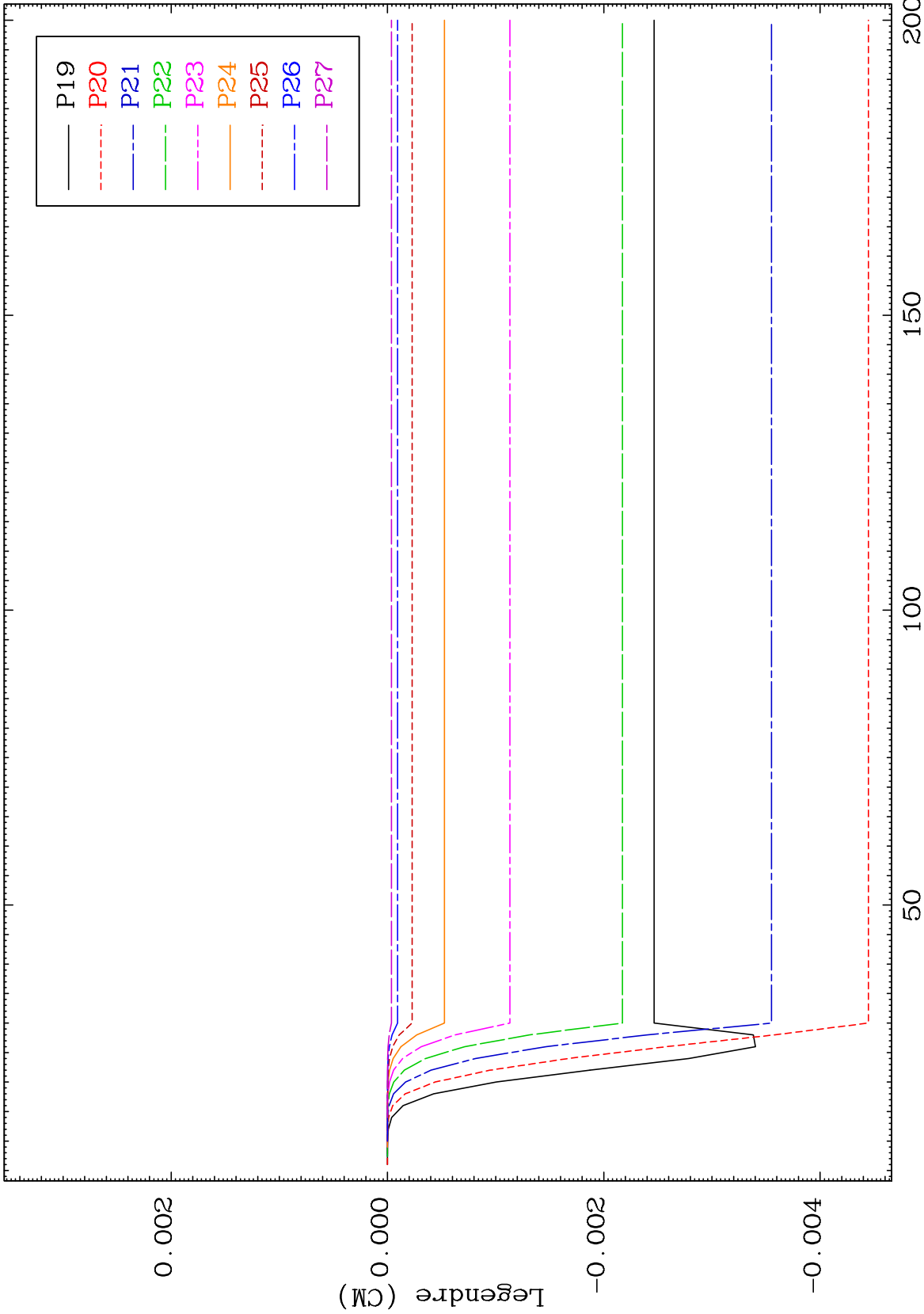
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



54

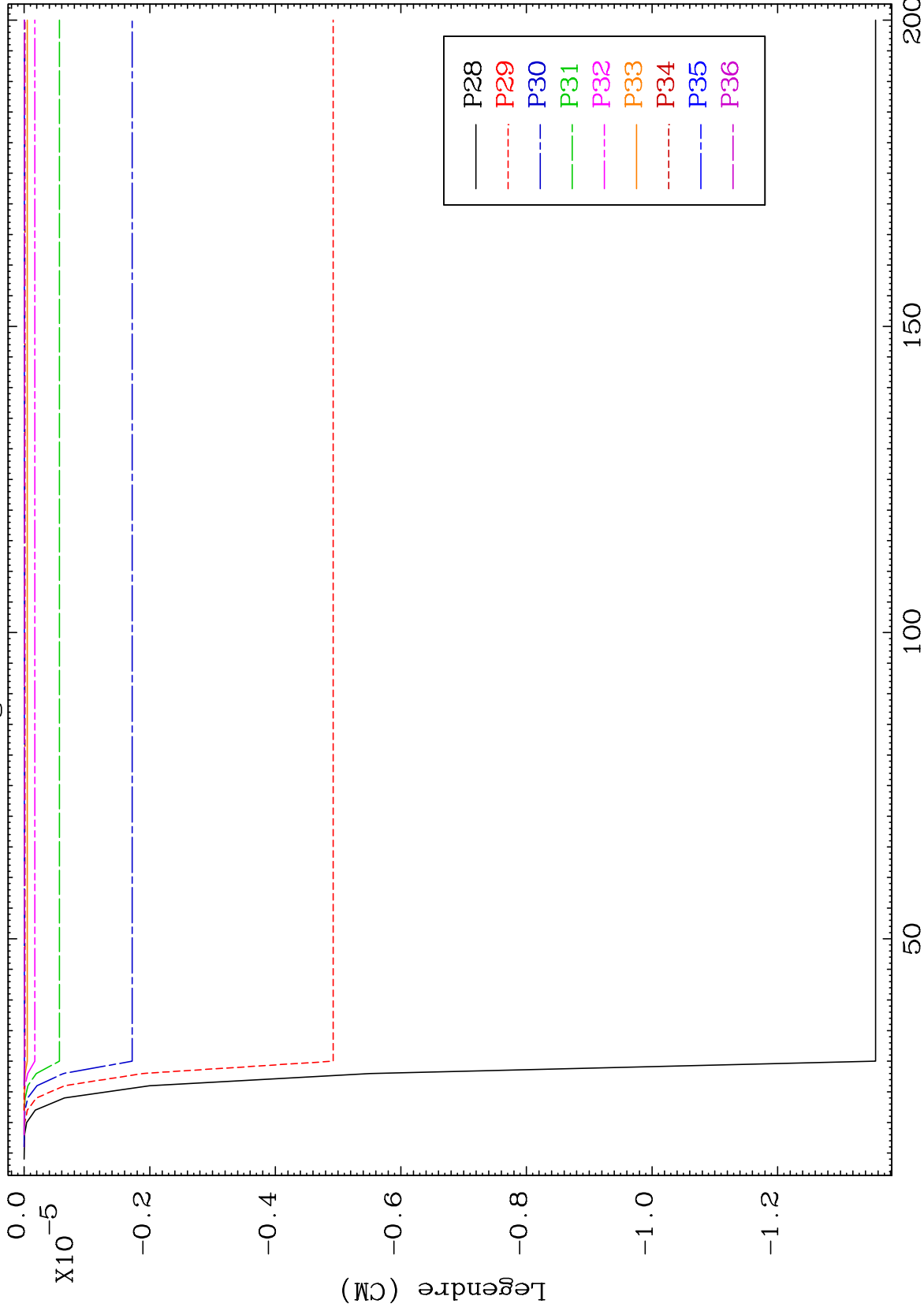
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



55

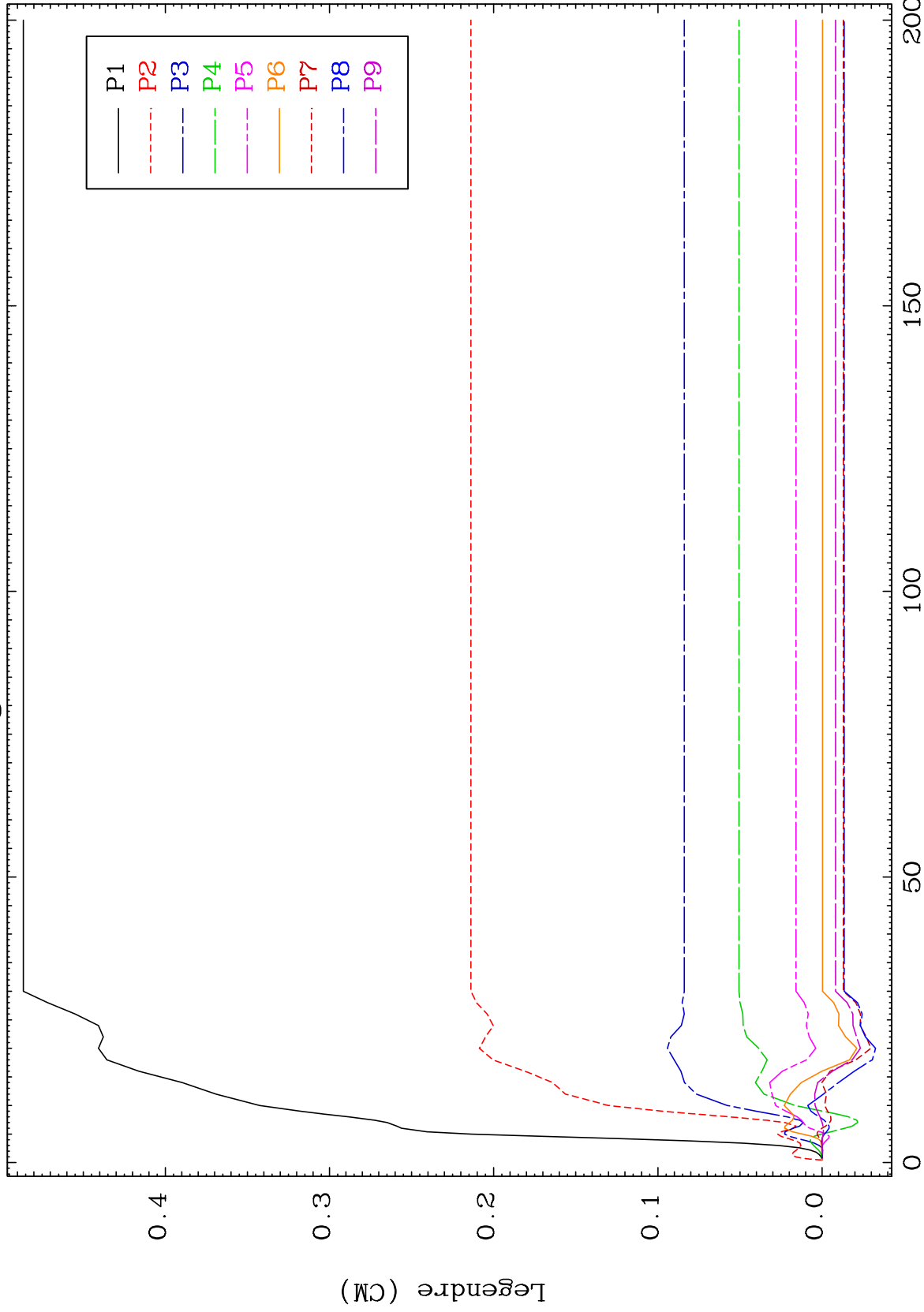
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



56

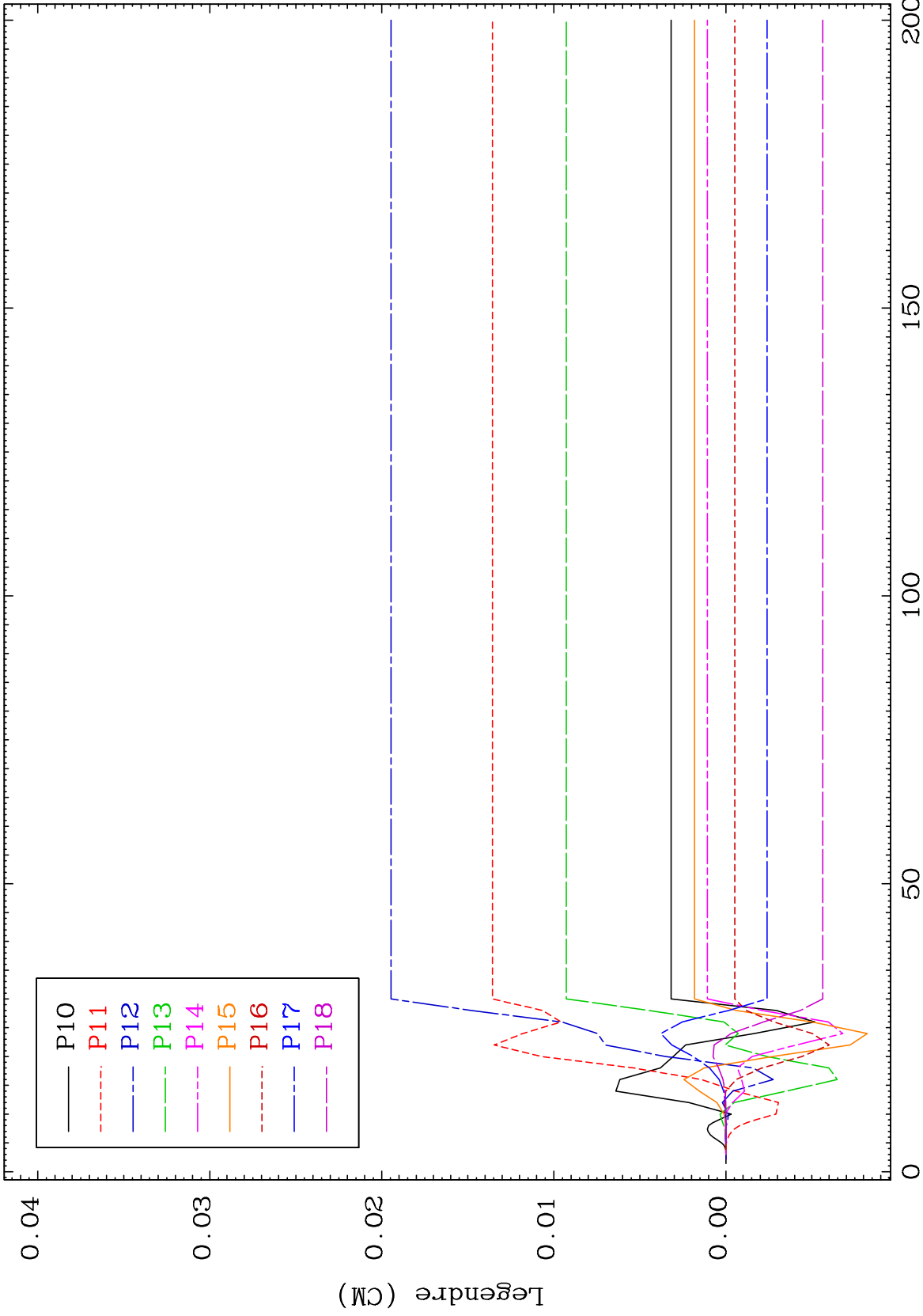
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

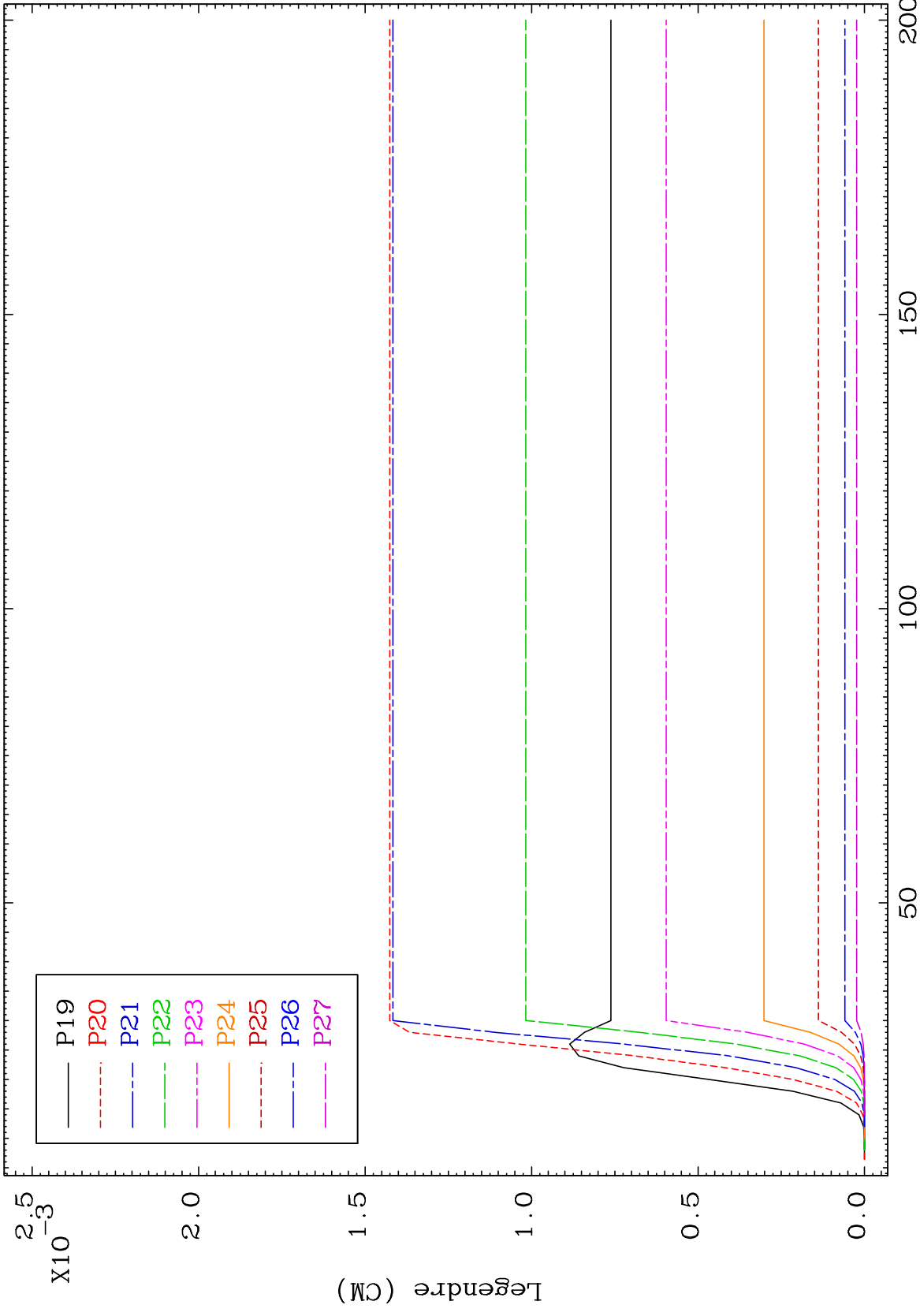
67-Ho-163



57

Incident Energy (MeV)

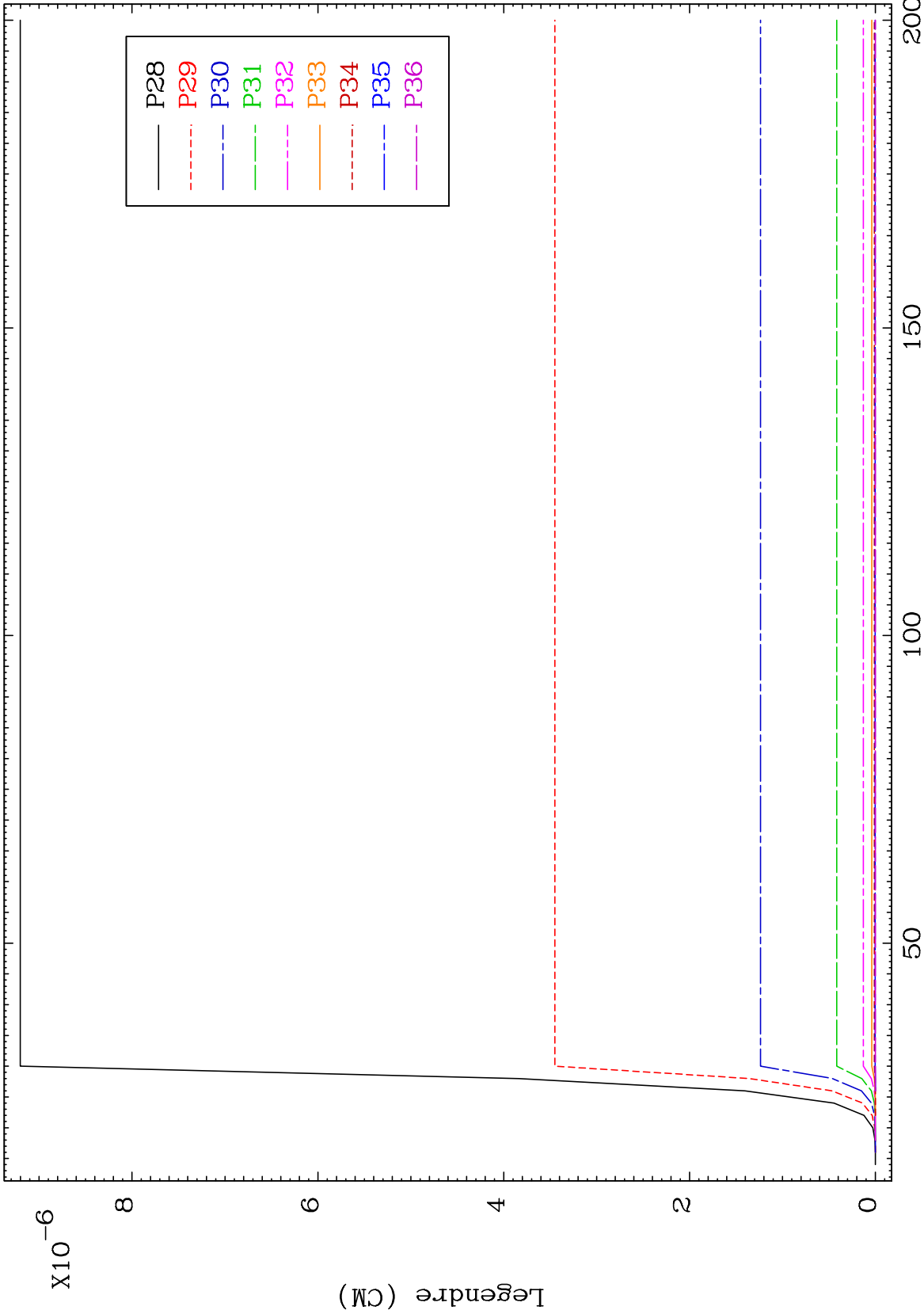
67-Ho-163



MAT 6719

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

67-Ho-163



59

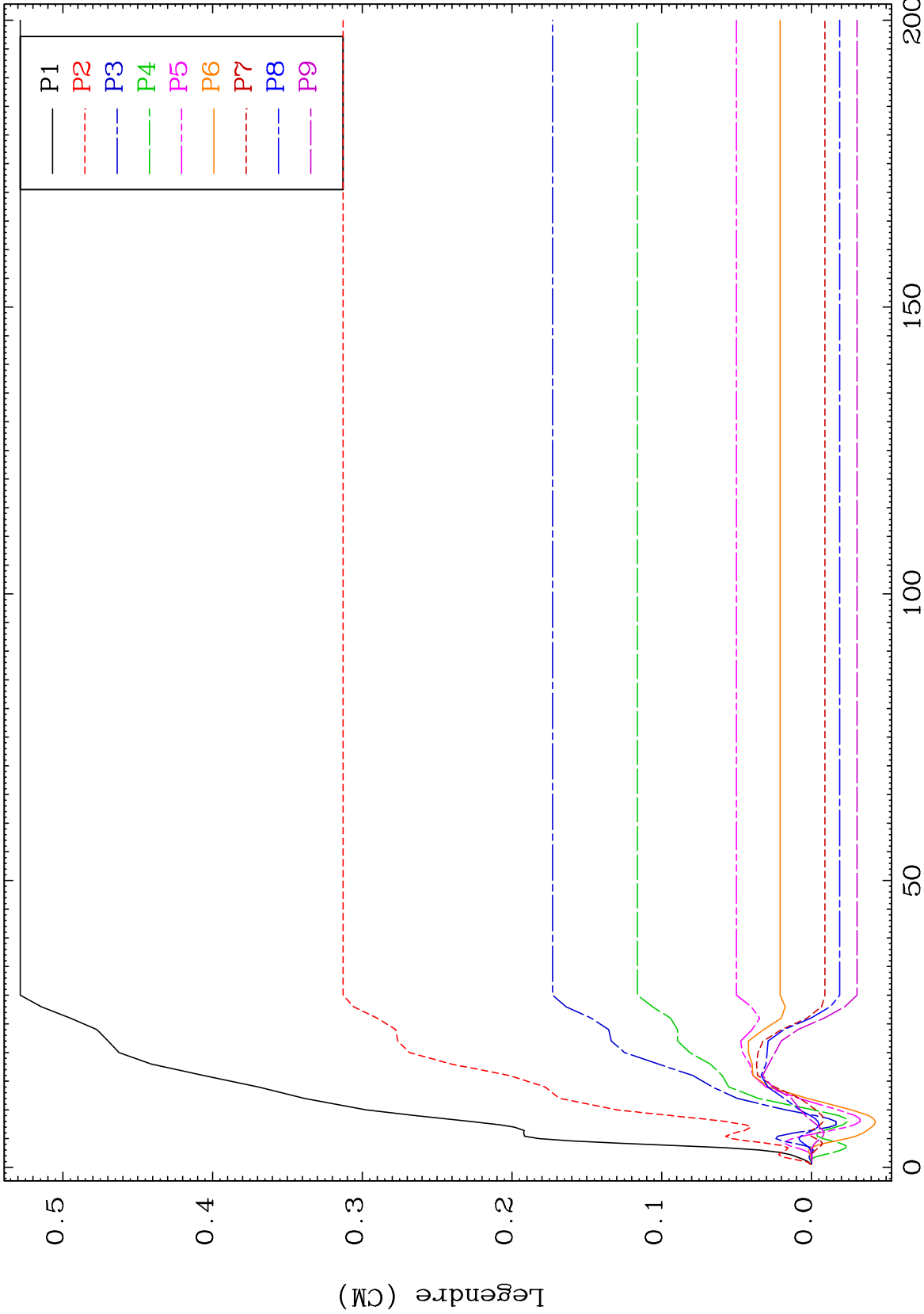
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



60

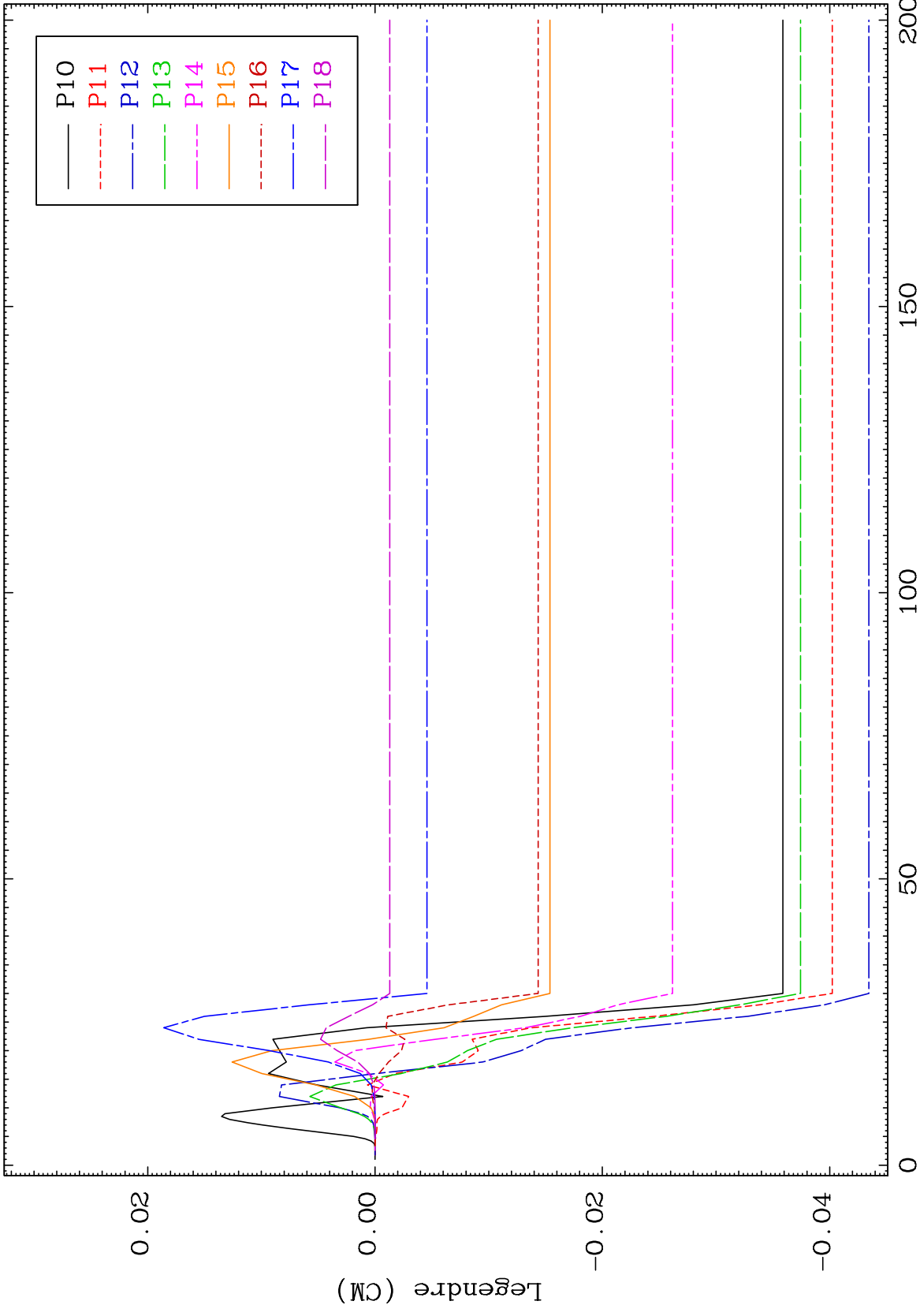
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



61

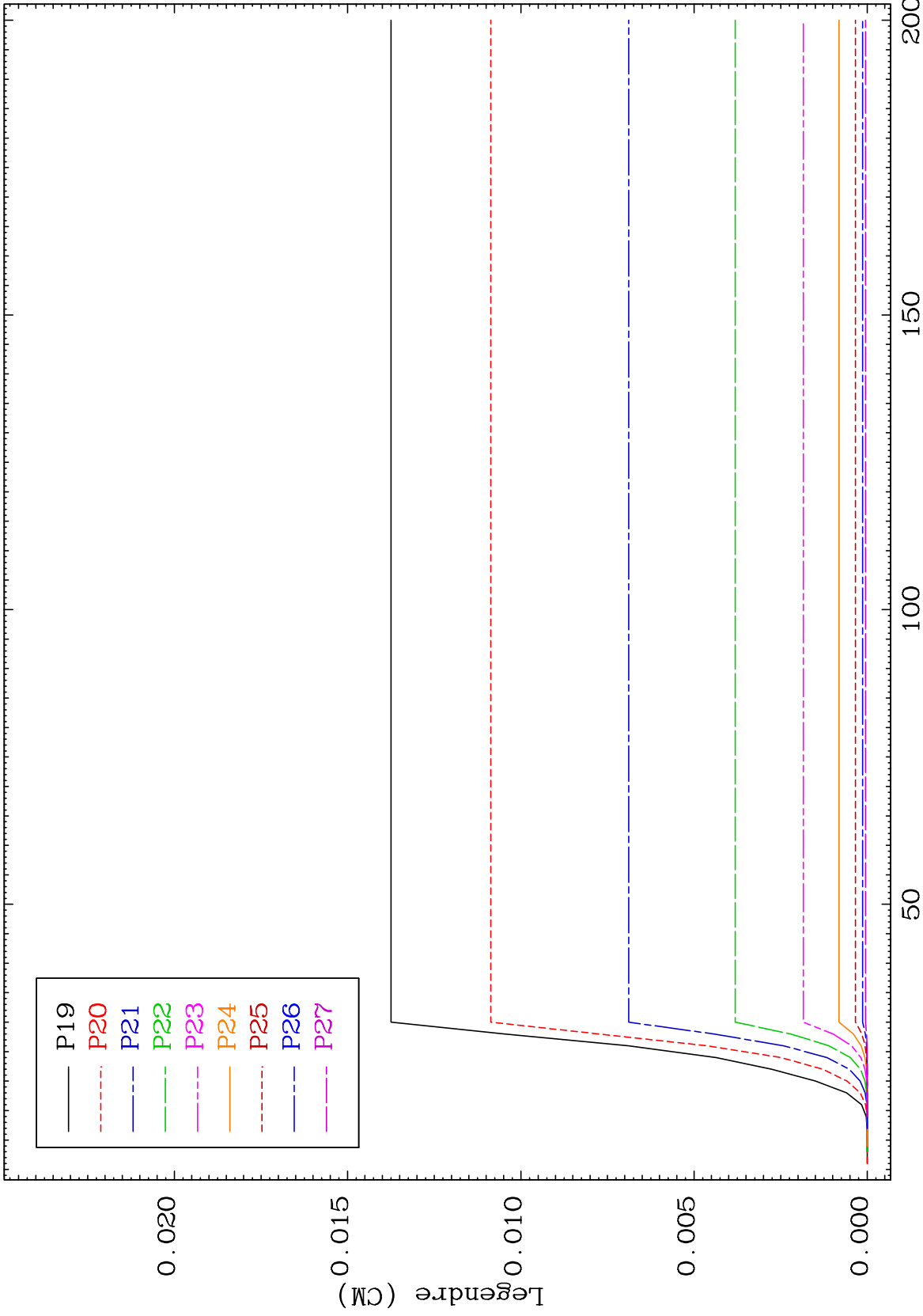
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



62

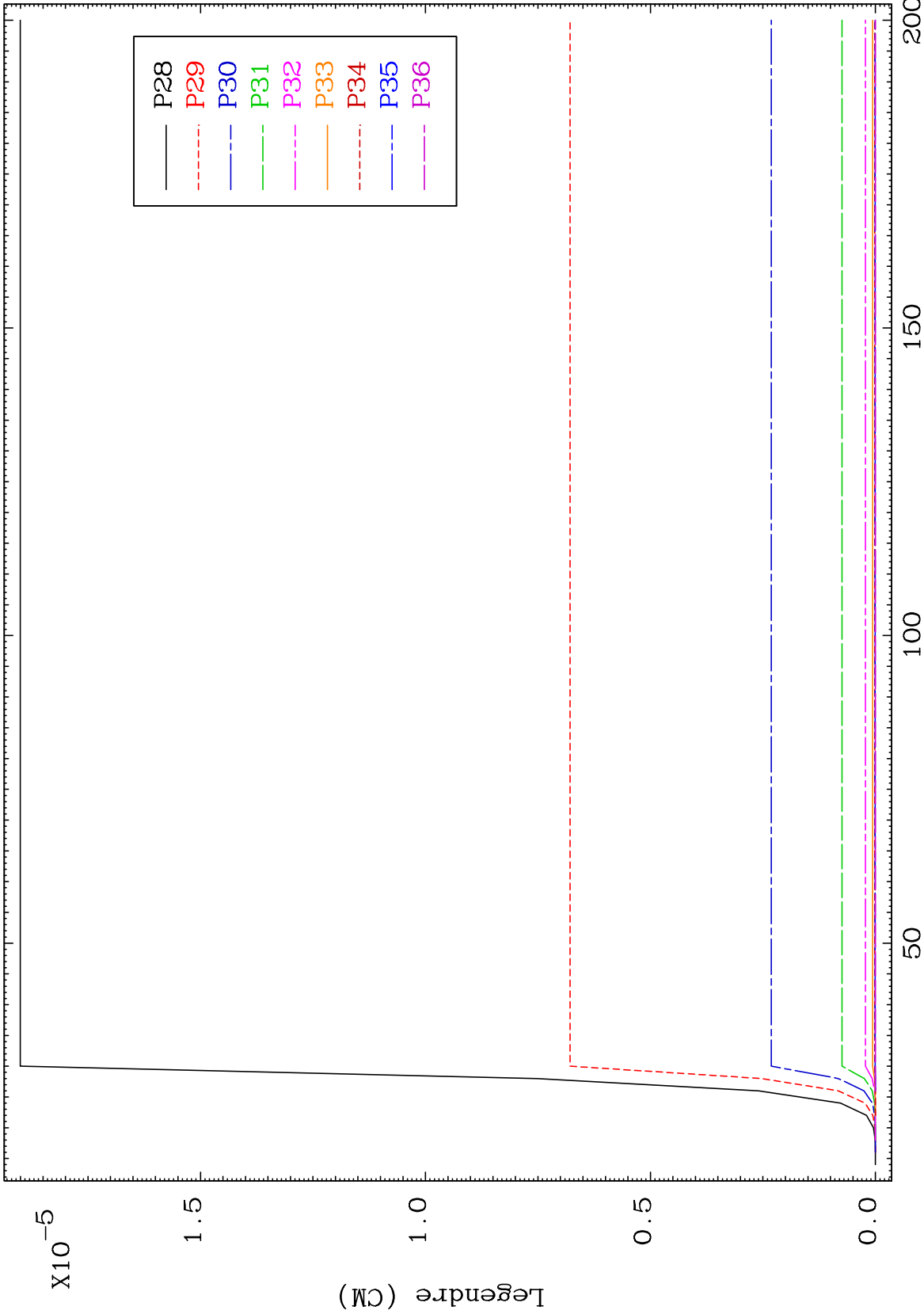
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



63

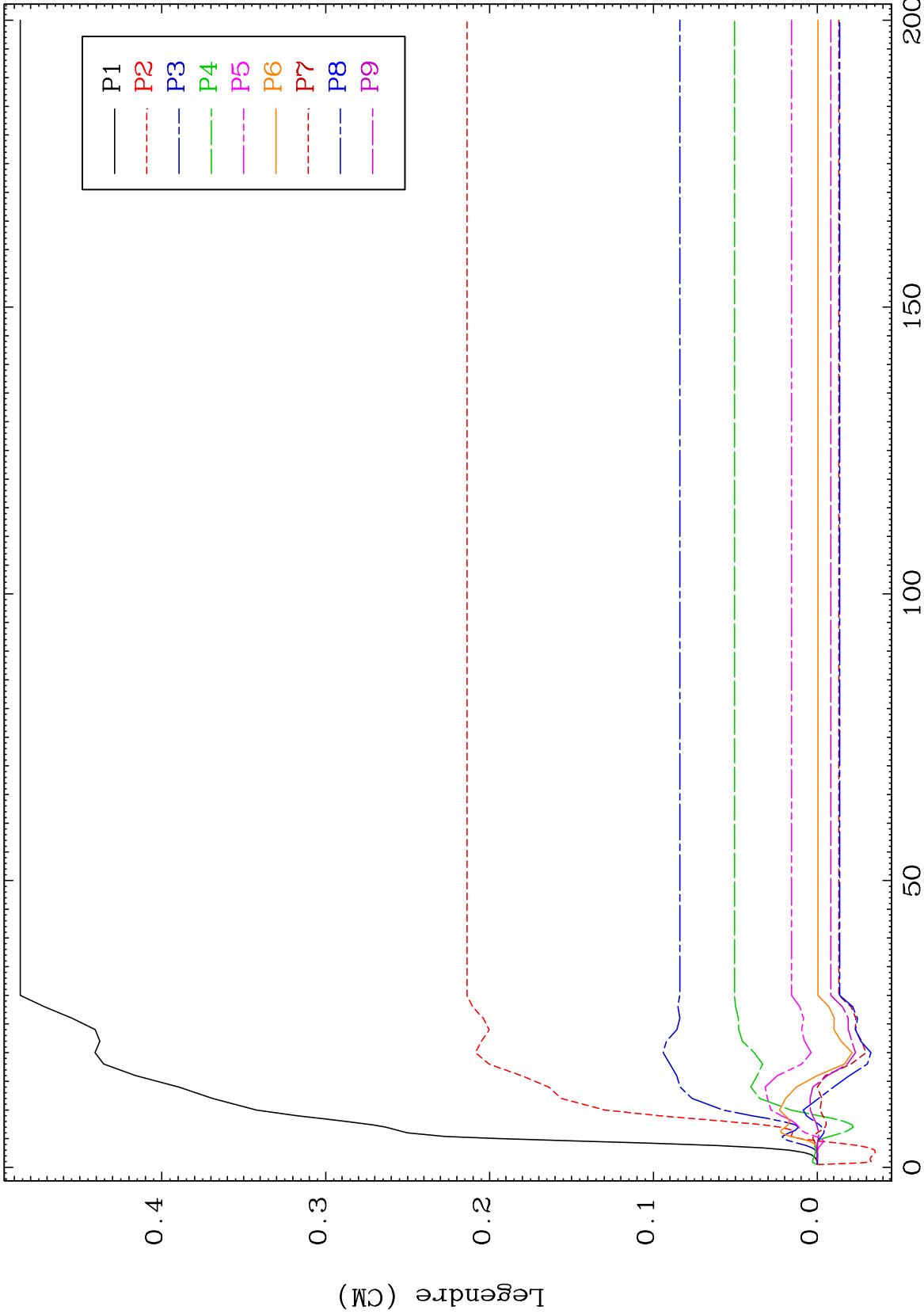
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



64

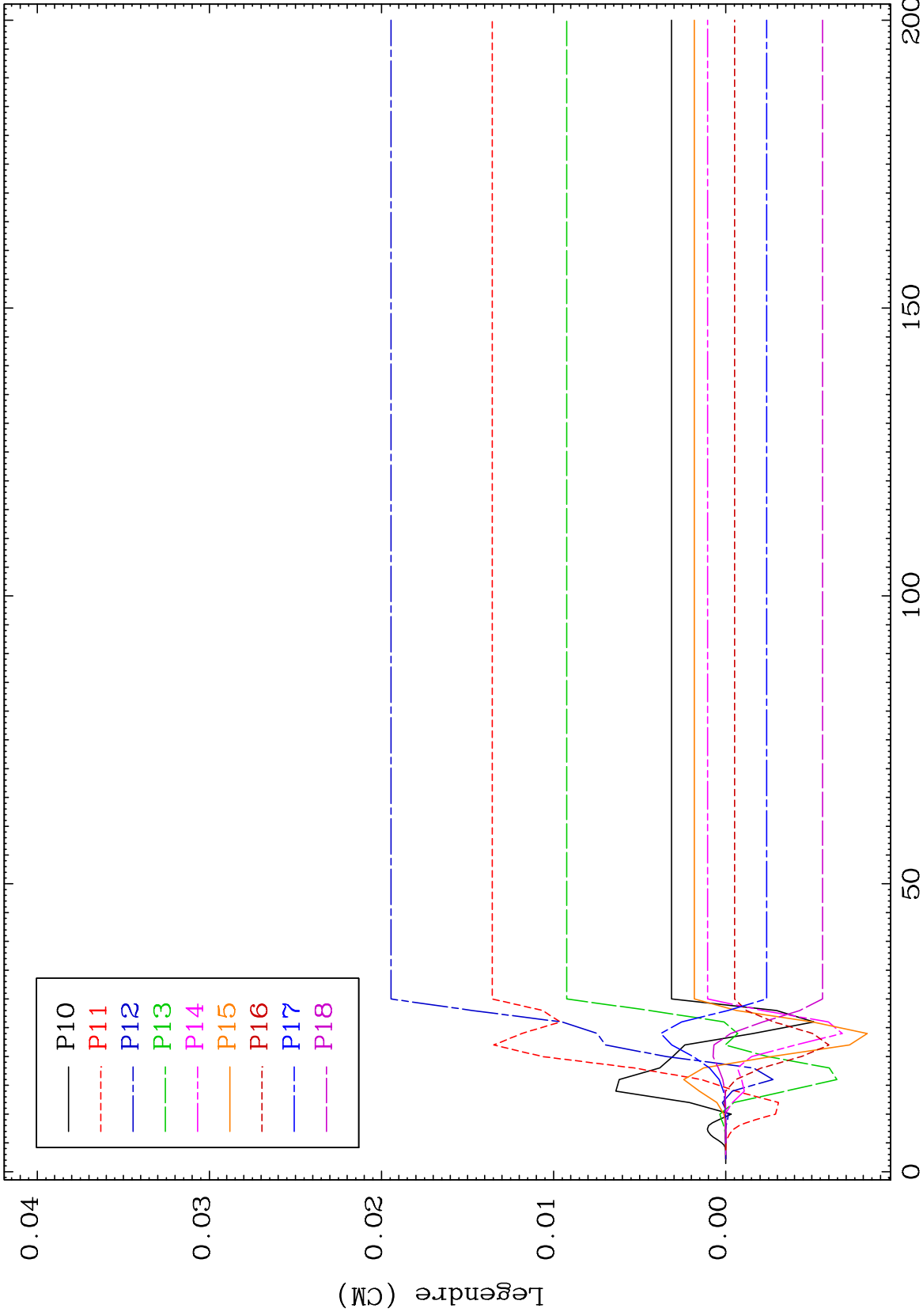
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

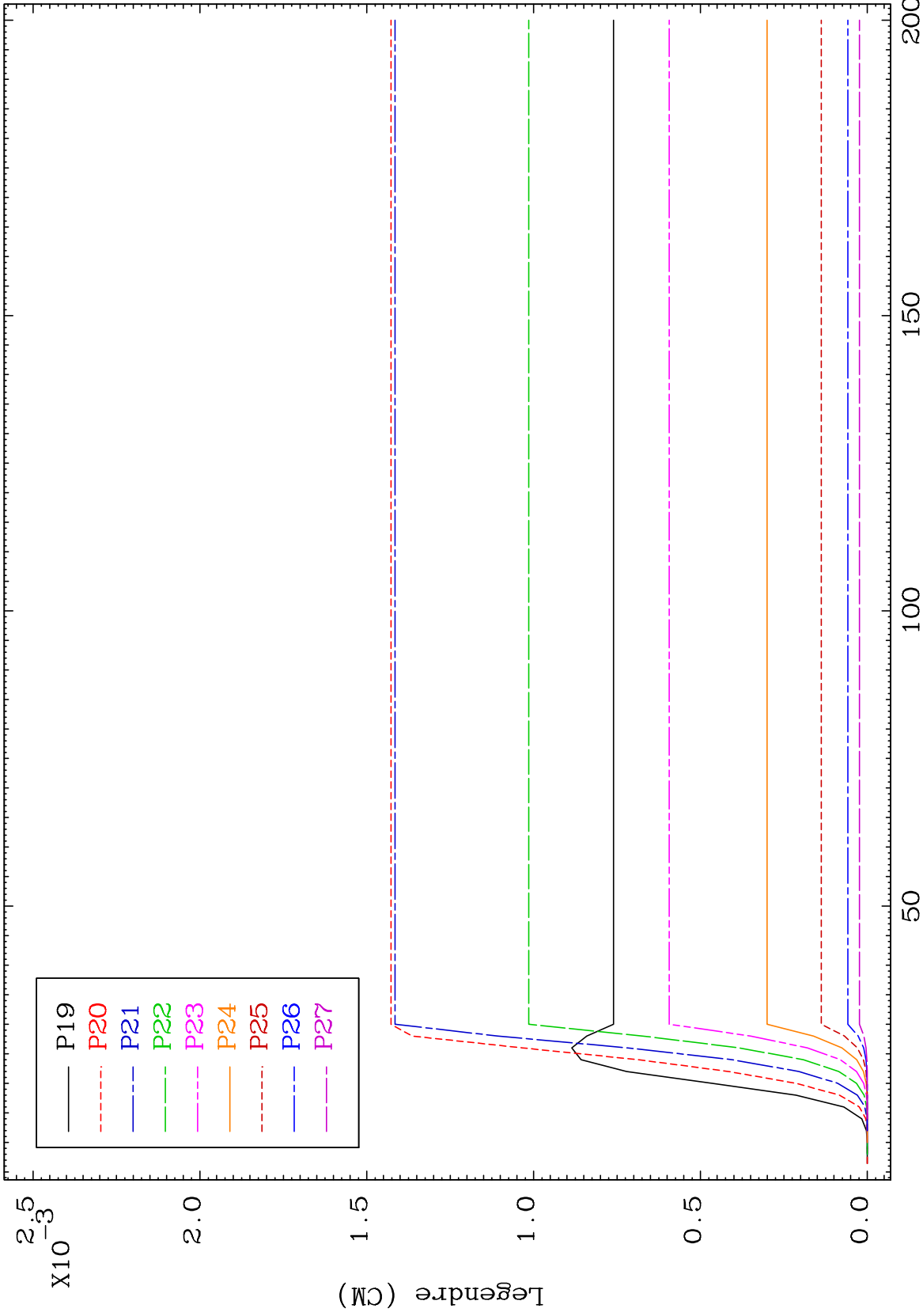
67-Ho-163



65

Incident Energy (MeV)

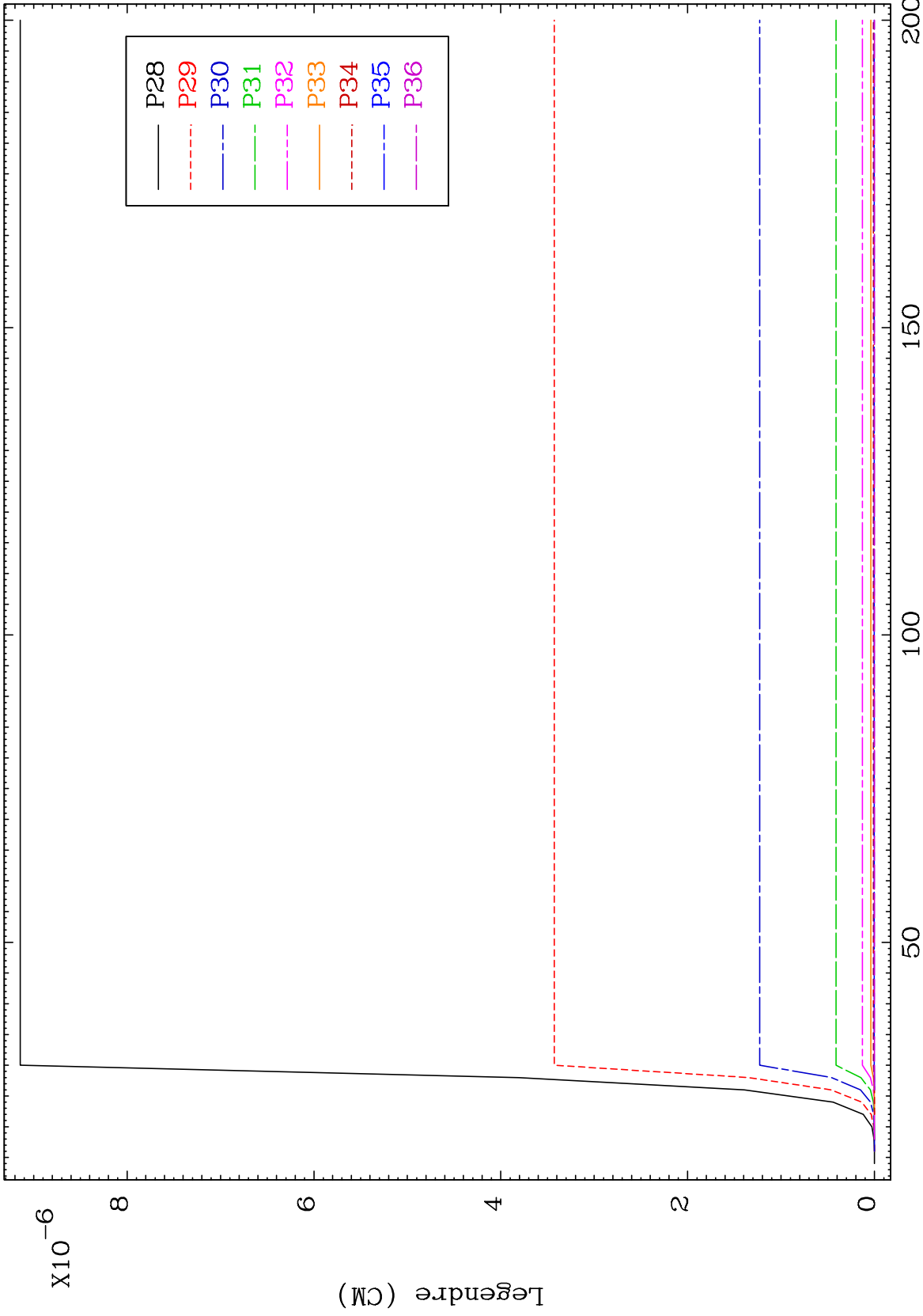
67-Ho-163



MAT 6719

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

67-Ho-163



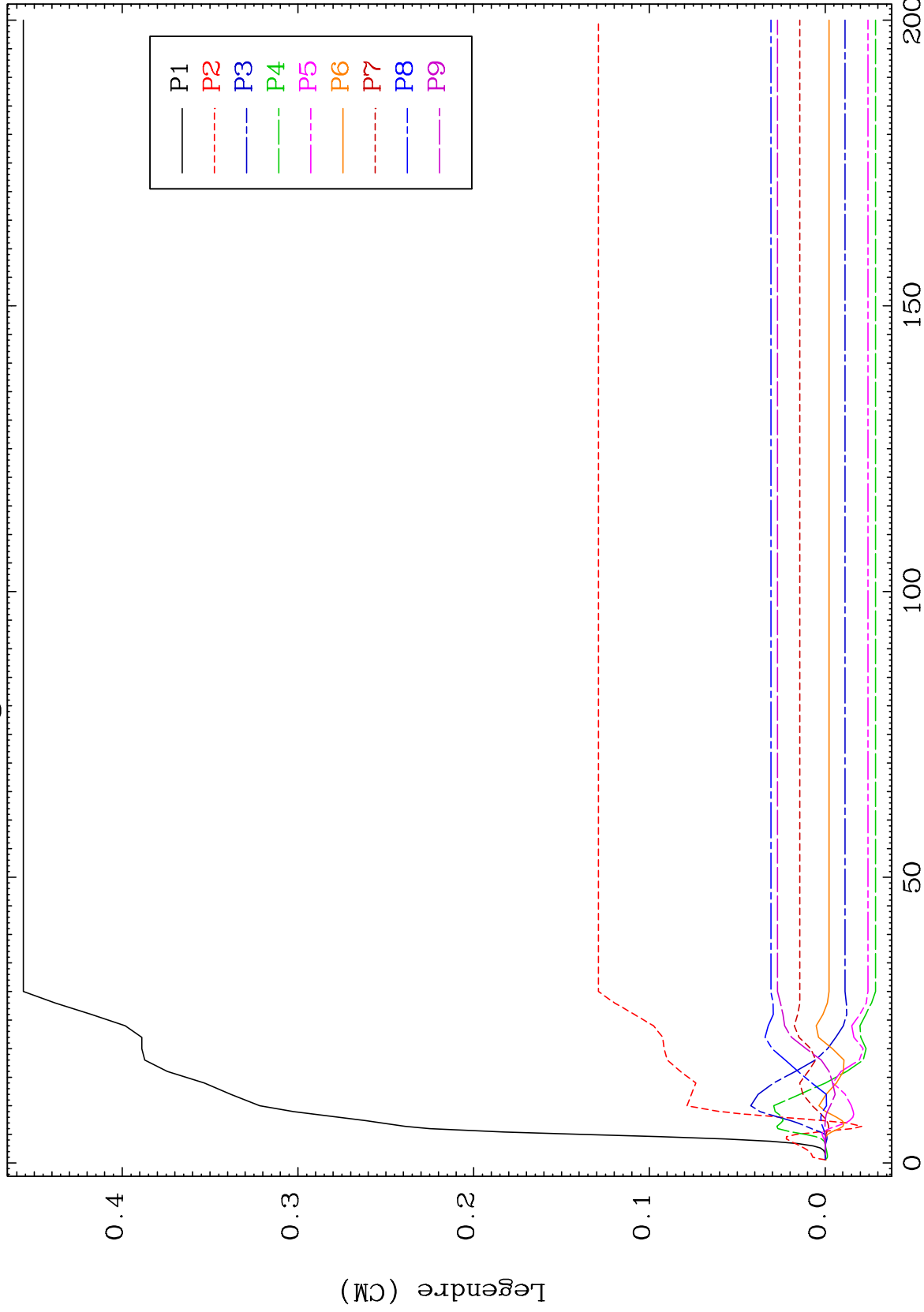
67

67-Ho-163

MAT 6719

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

67-Ho-163



68

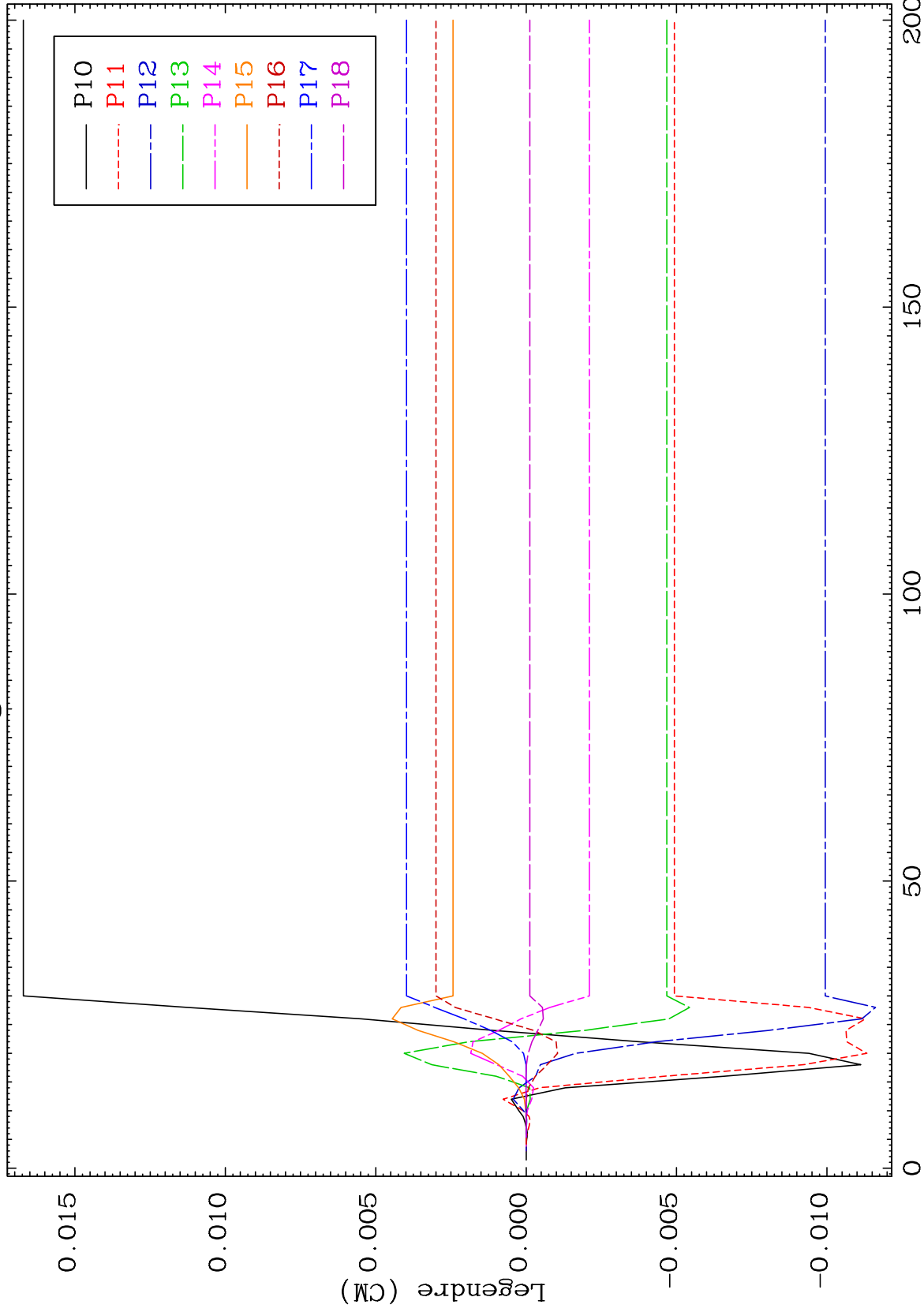
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



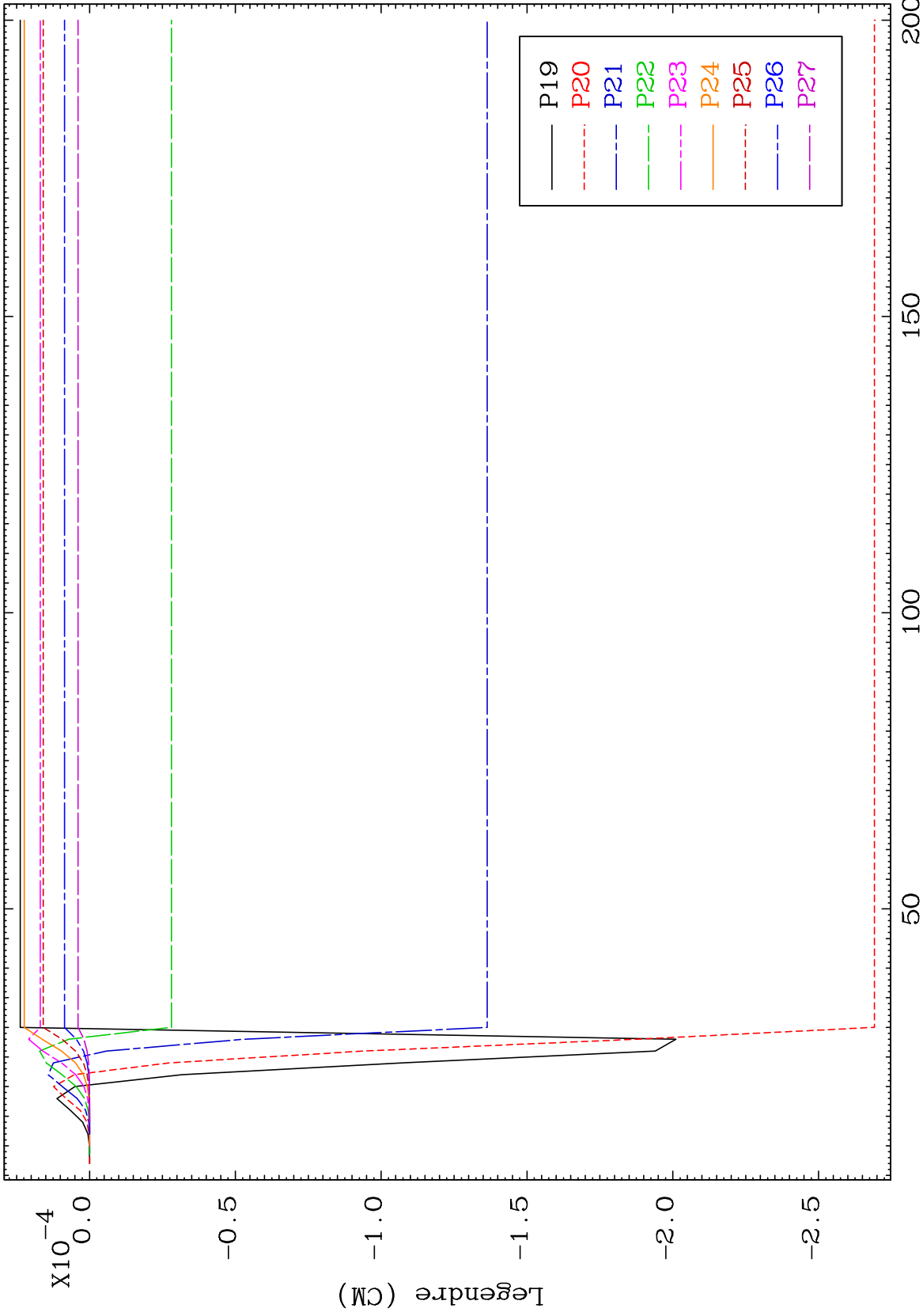
69

67-Ho-163

MAT 6719

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

67-Ho-163



70

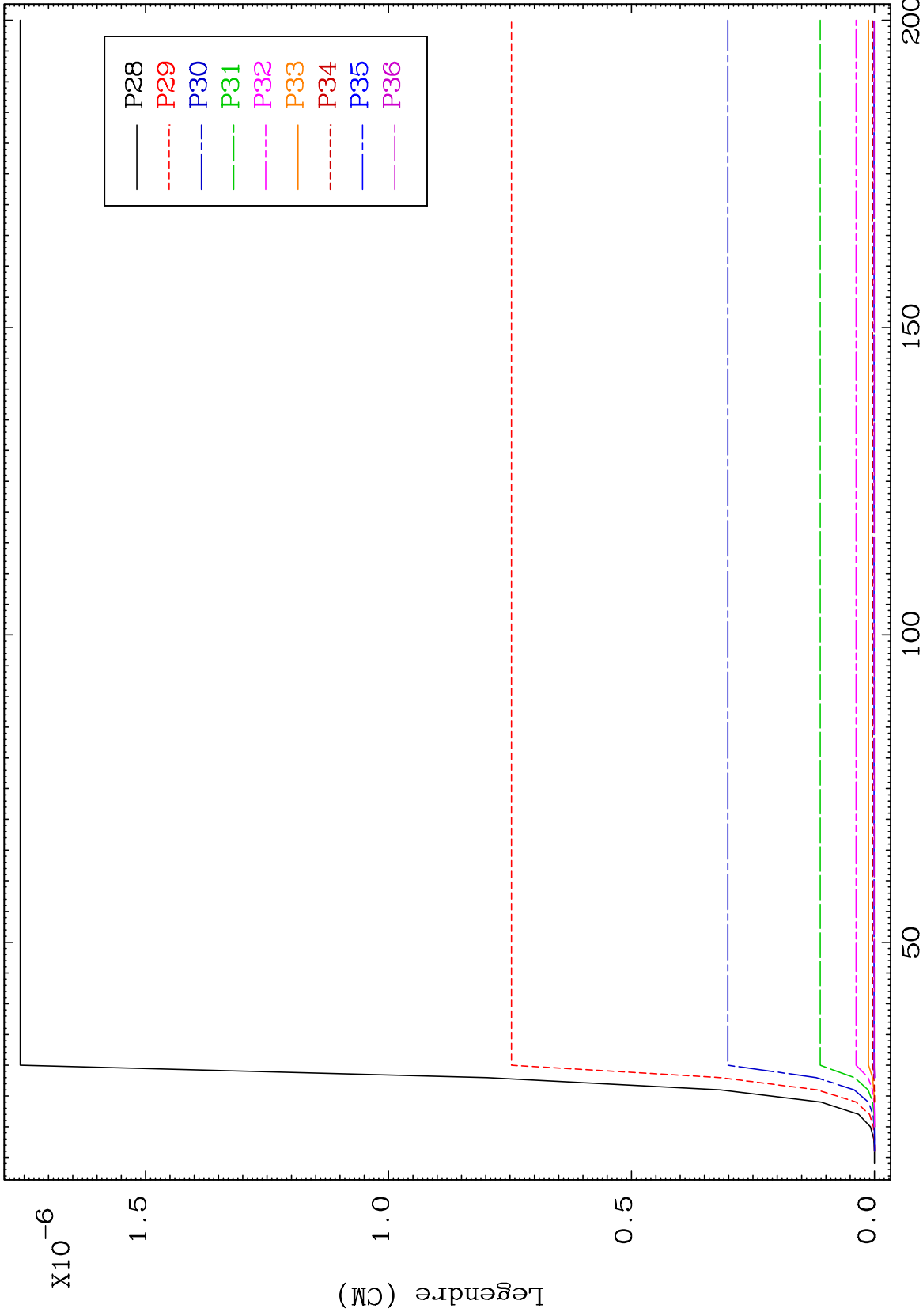
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



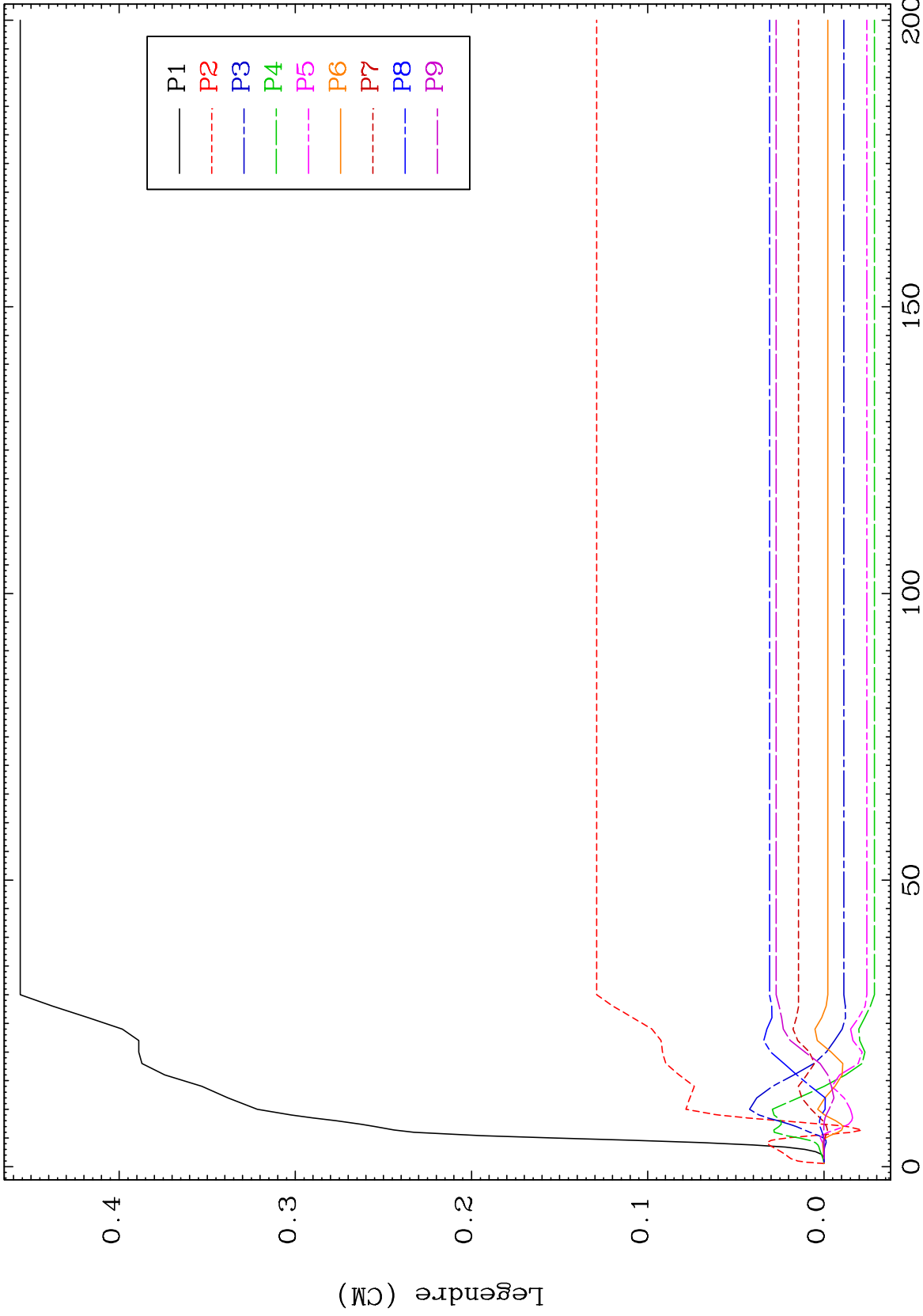
71

67-Ho-163

MAT 6719

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

67-Ho-163



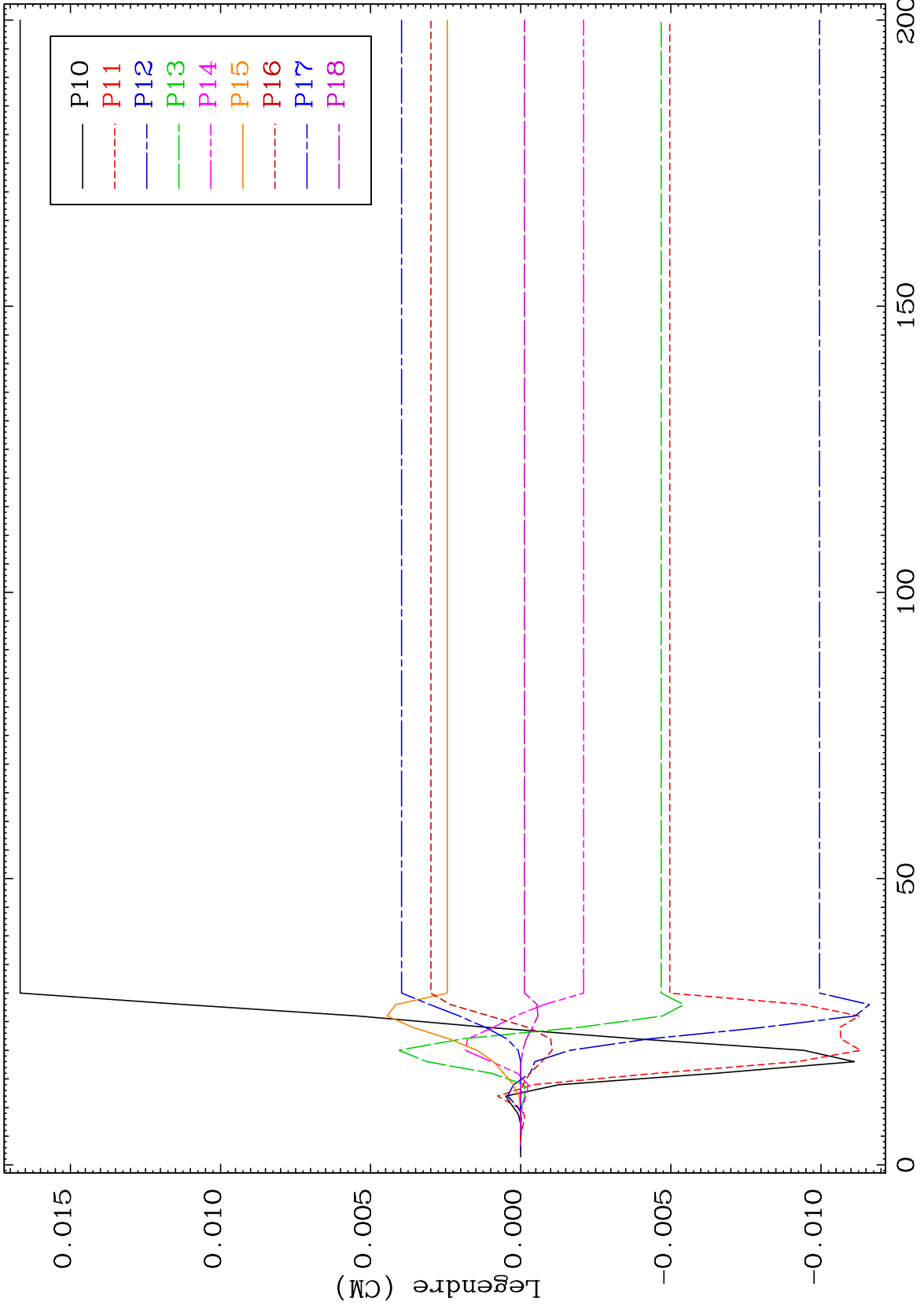
72

67-Ho-163

MAT 6719

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

67-Ho-163



73

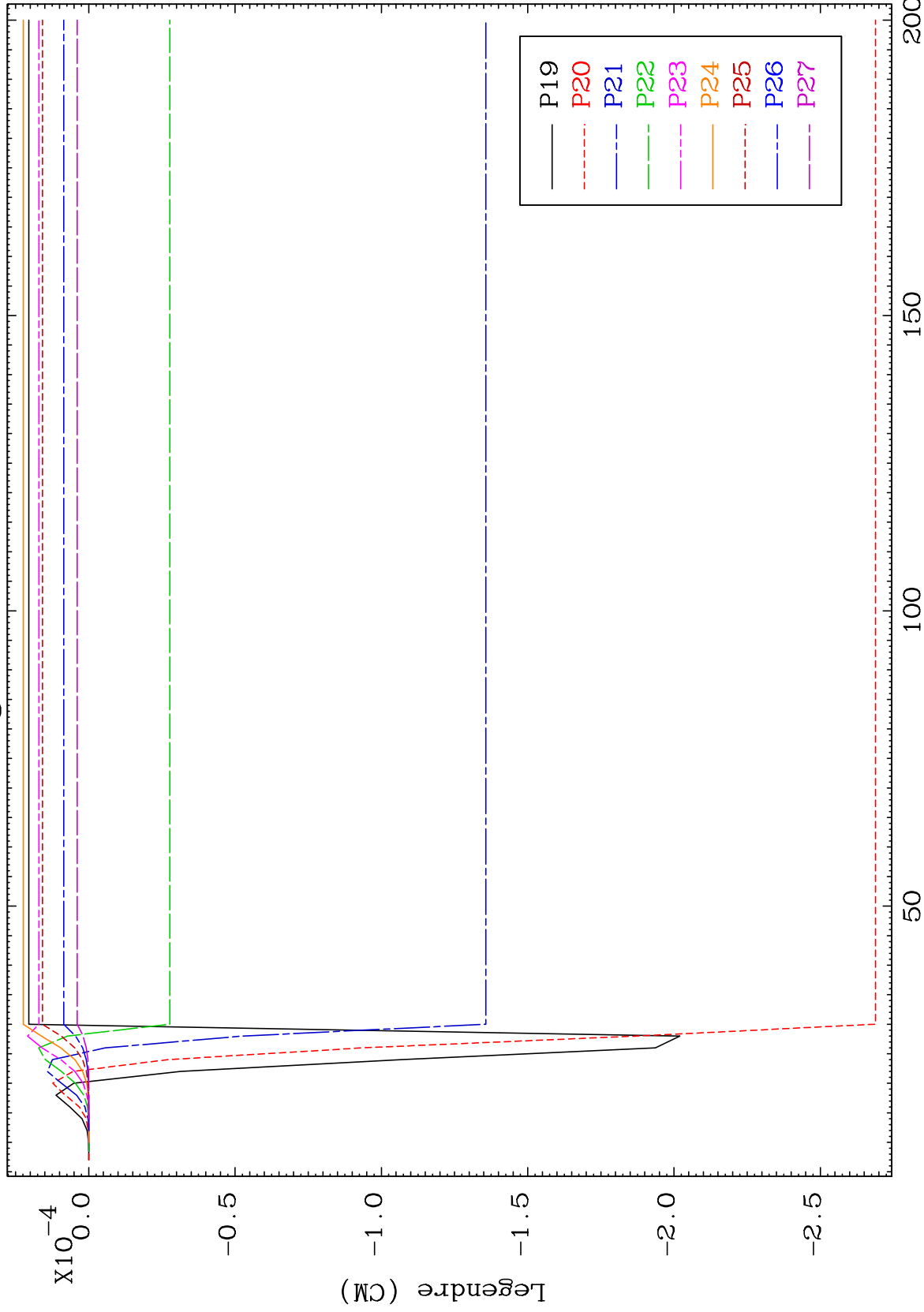
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



74

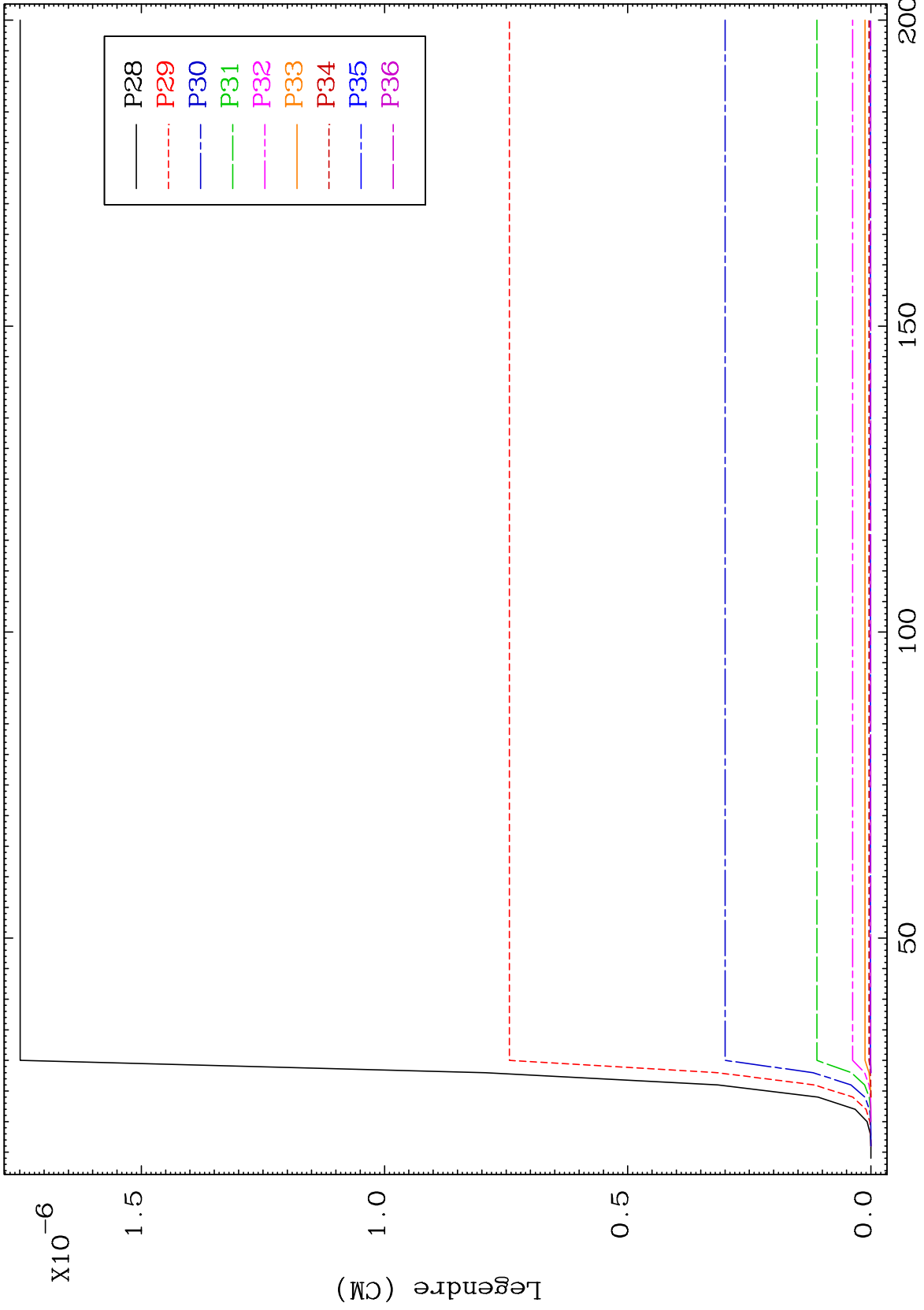
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



75

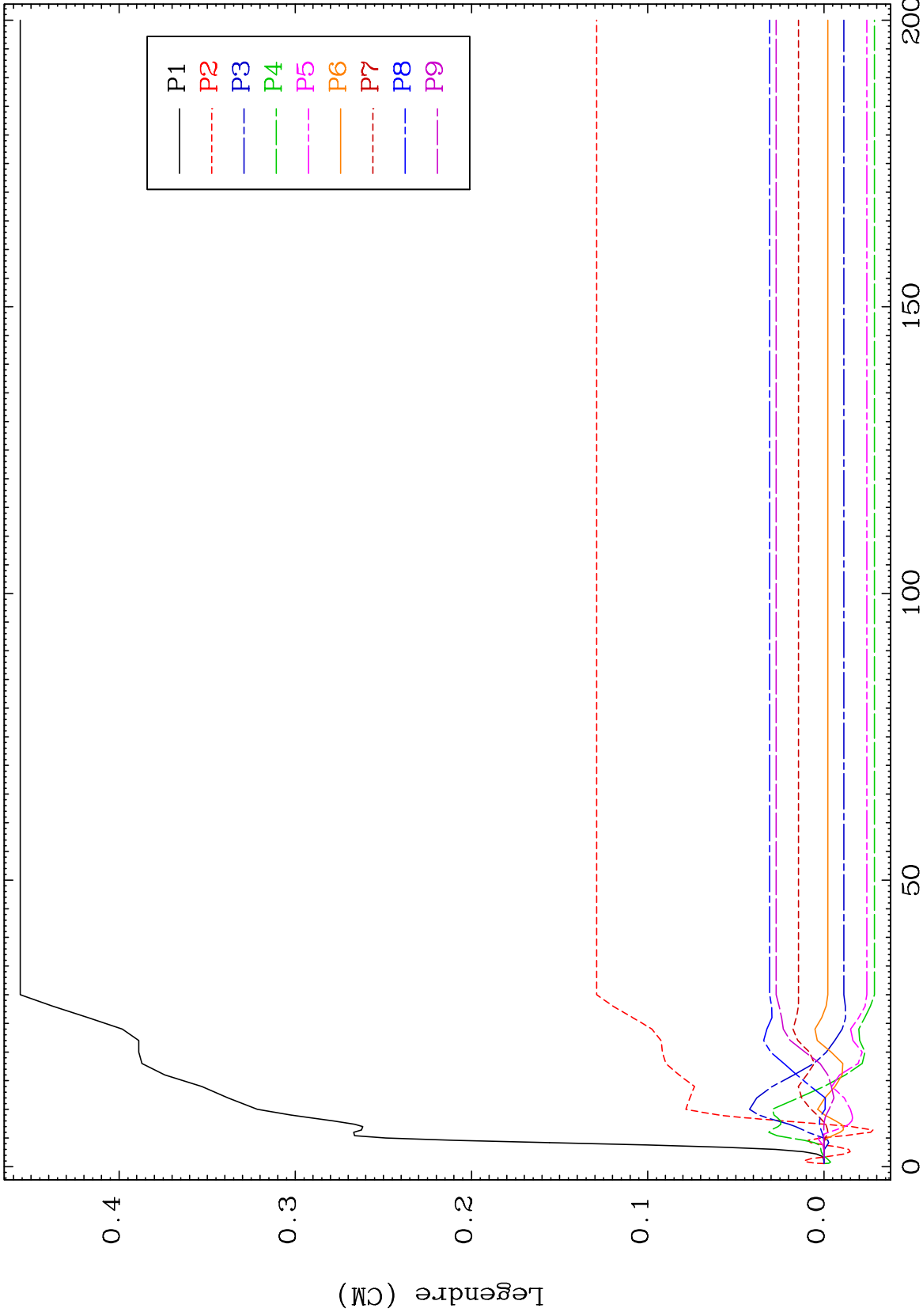
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



76

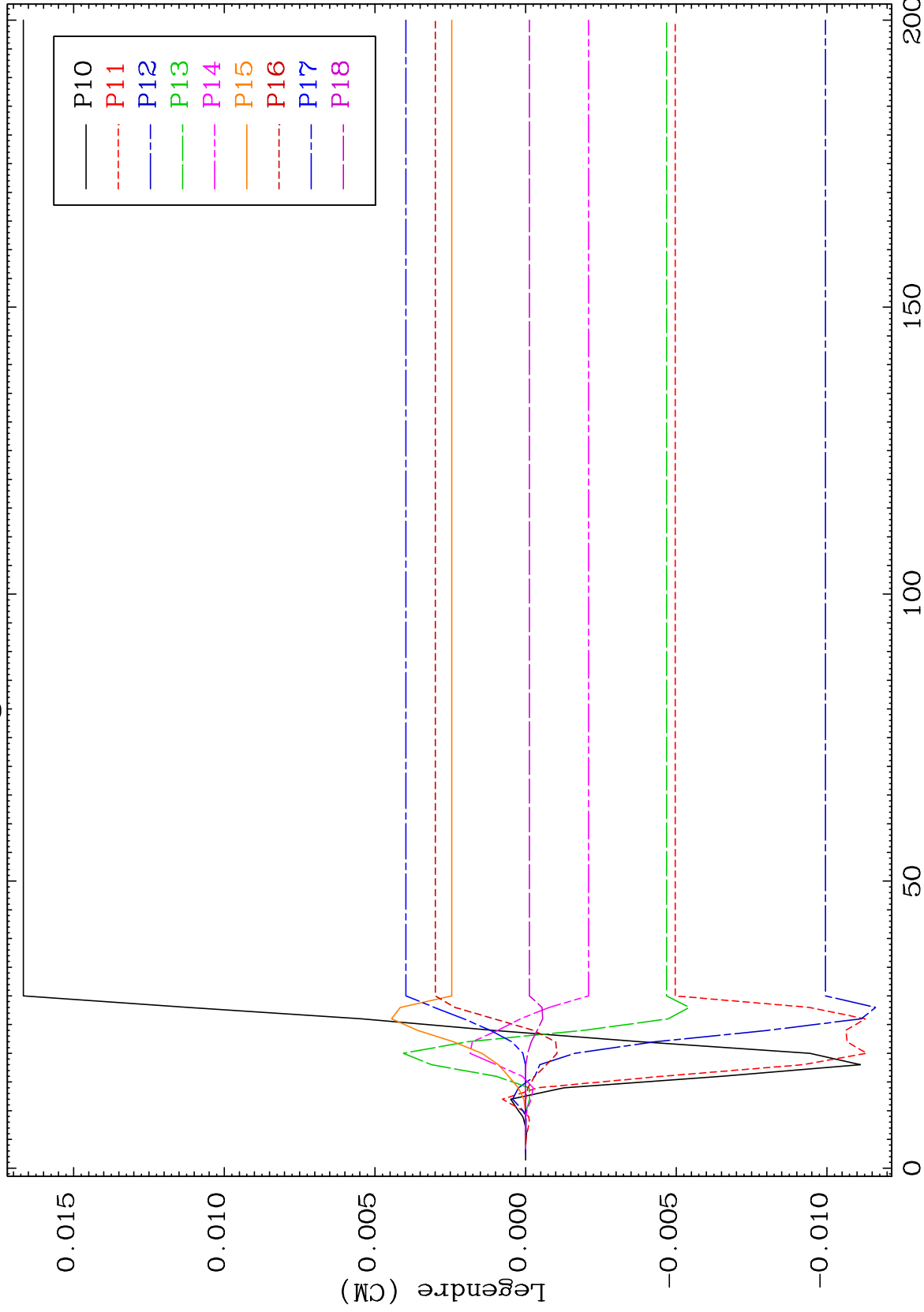
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



77

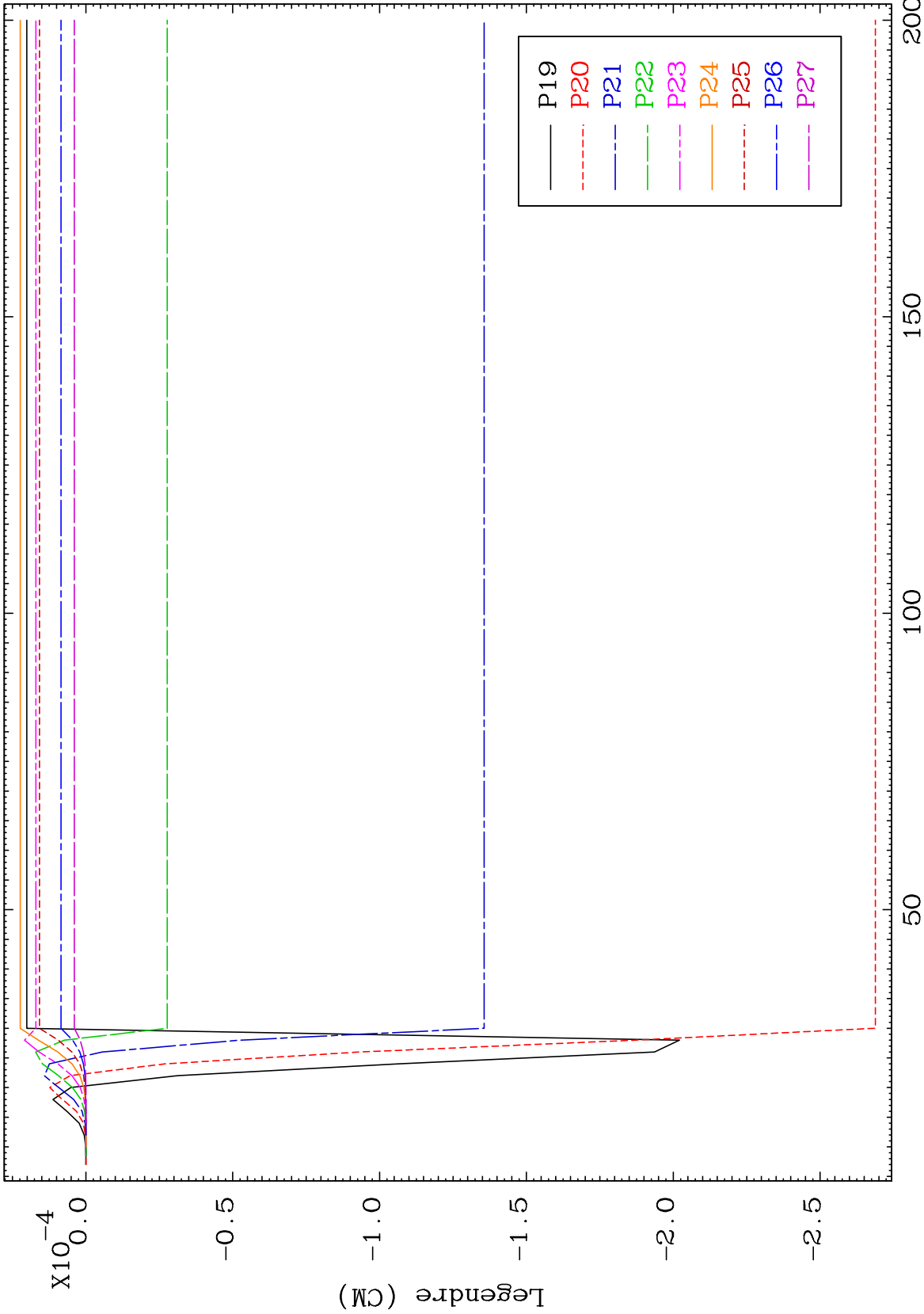
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



78

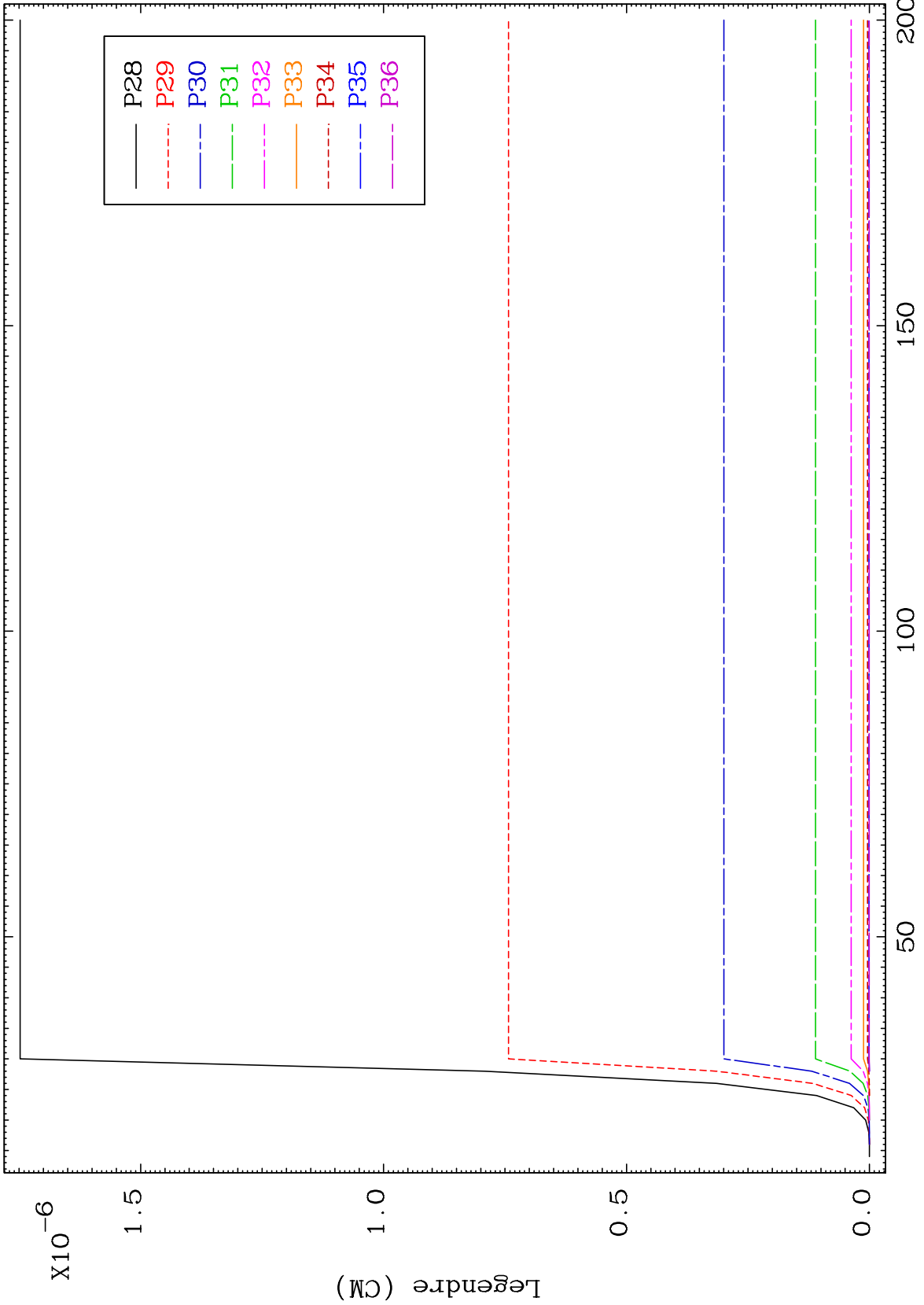
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



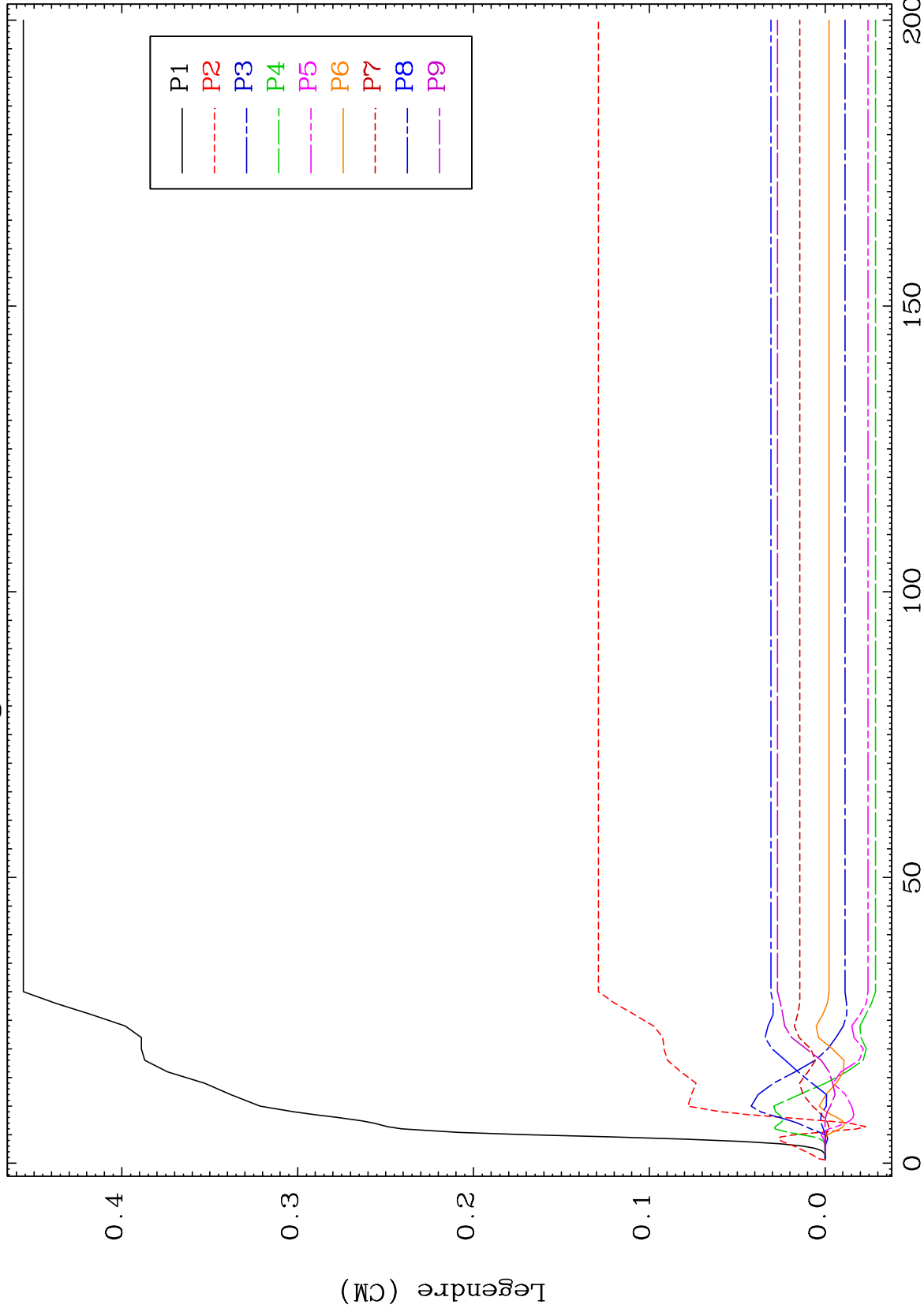
79

67-Ho-163

MAT 6719

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

67-Ho-163



80

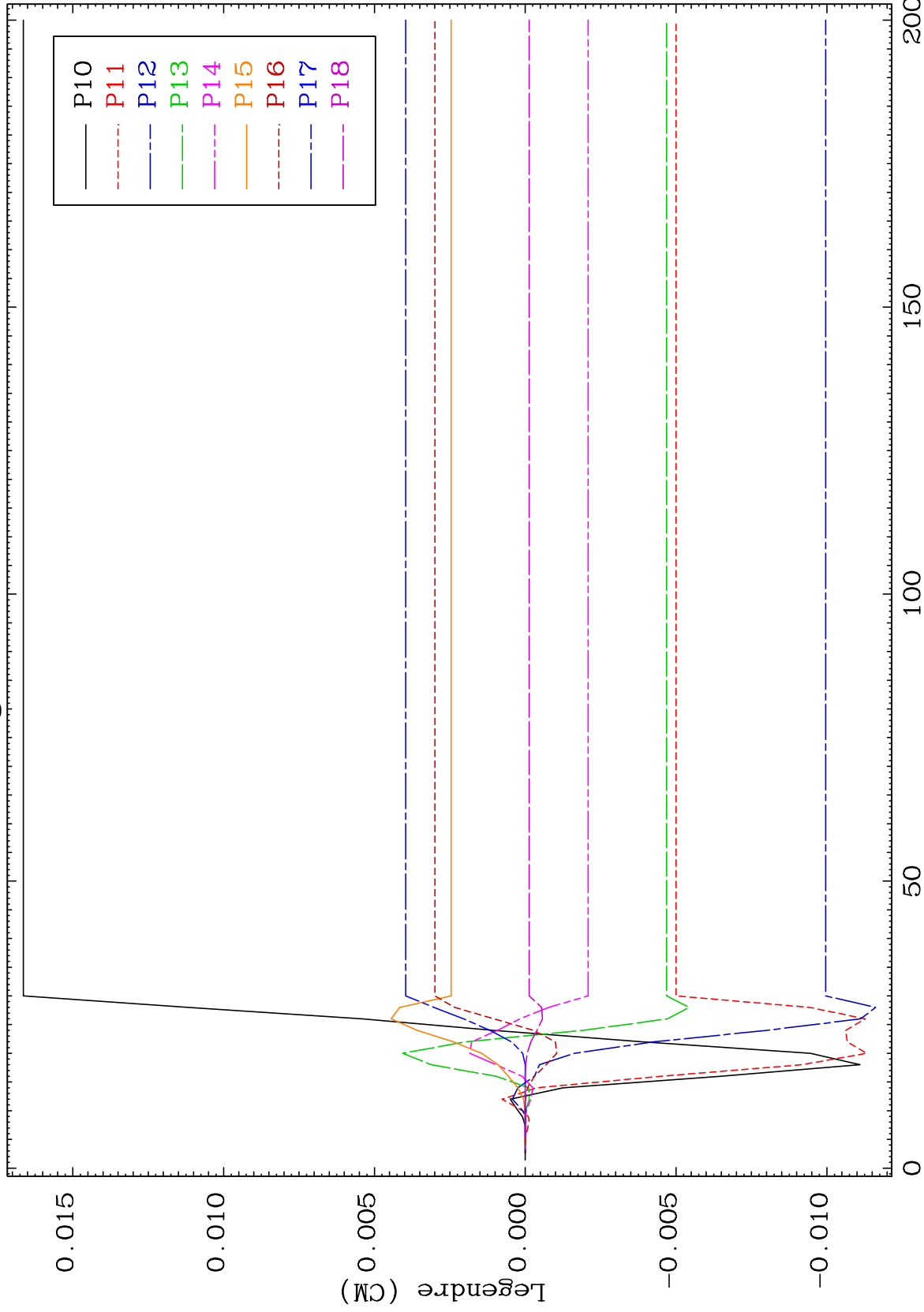
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



81

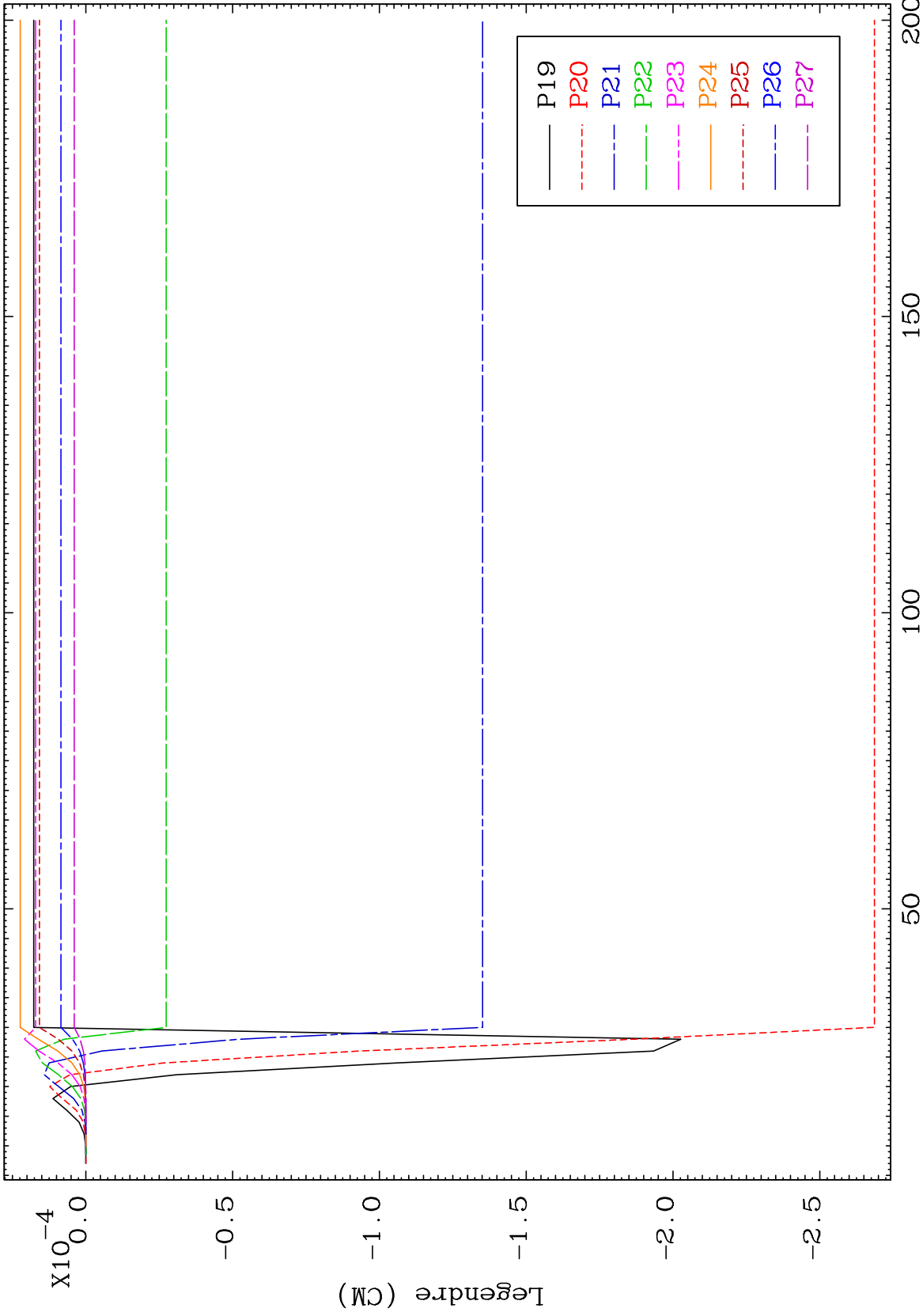
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



82

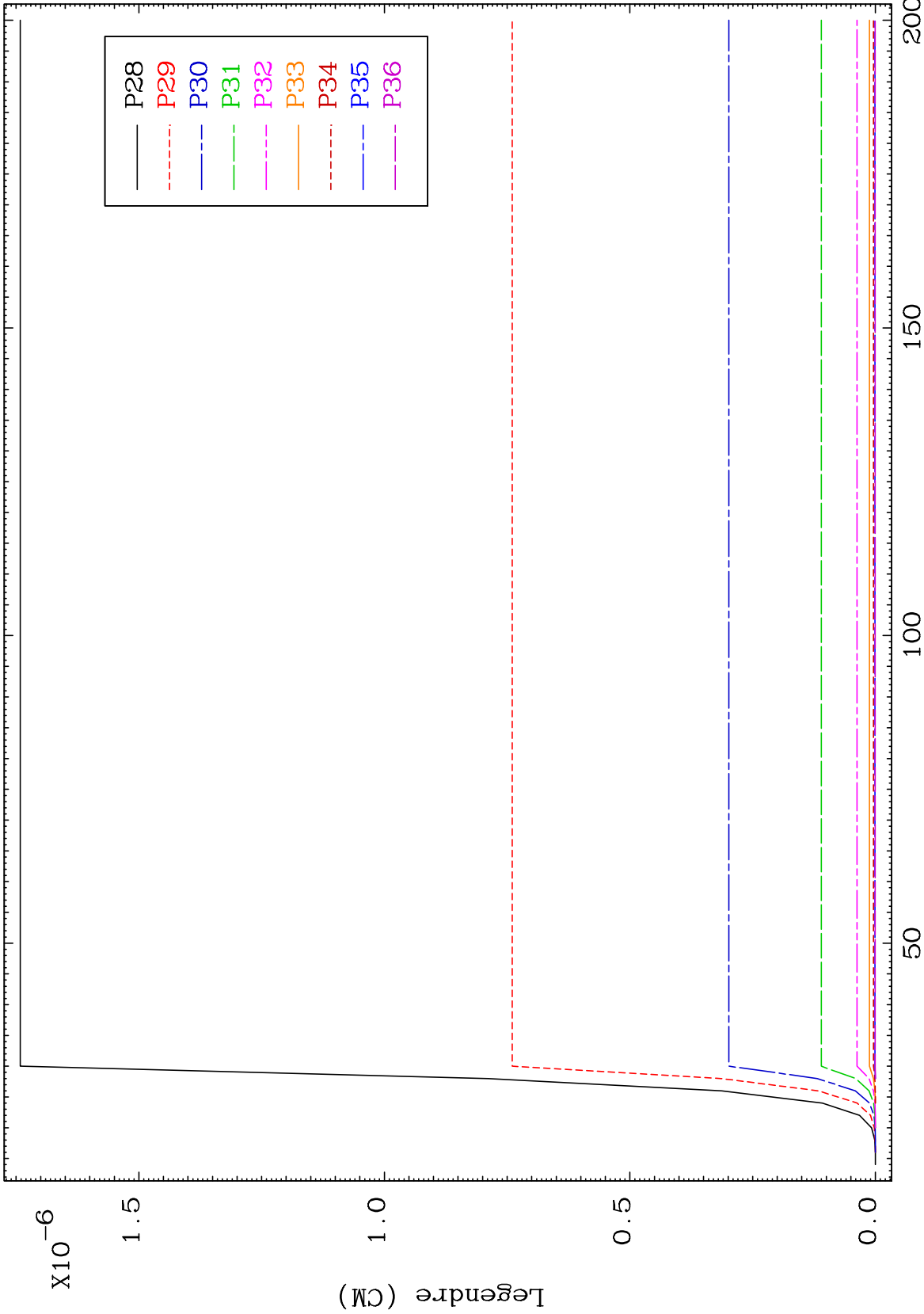
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



83

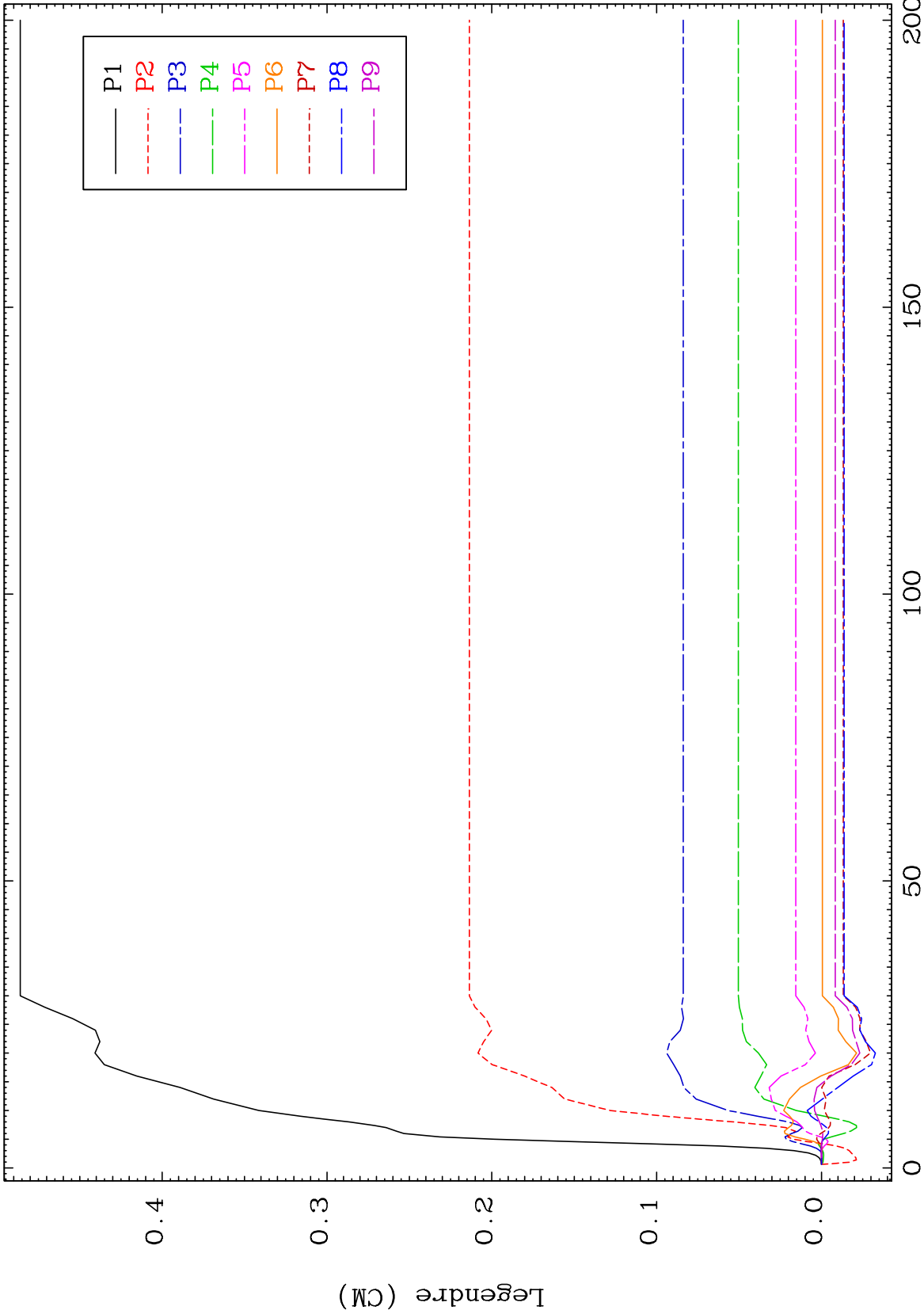
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



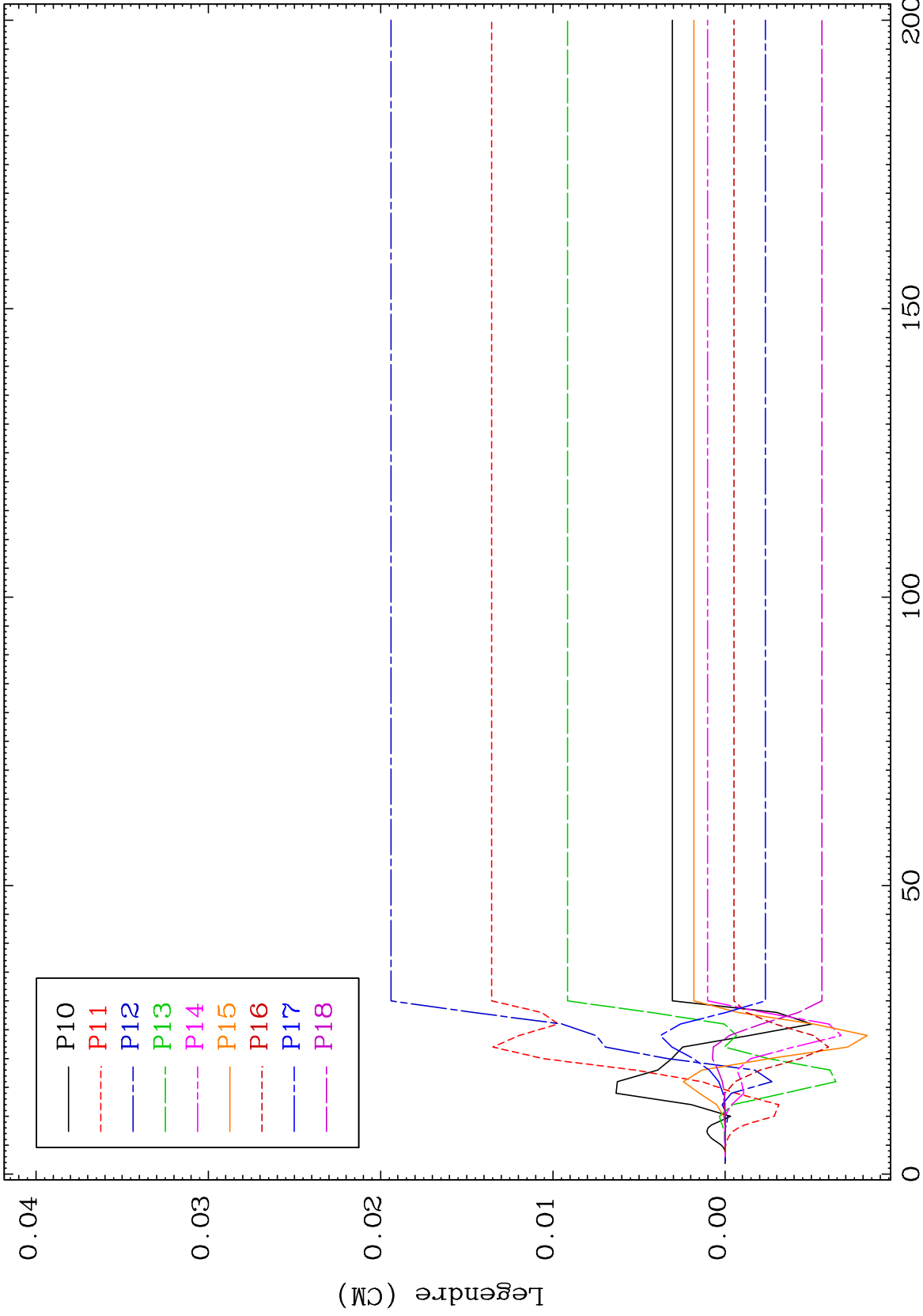
84

67-Ho-163

MAT 6719

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

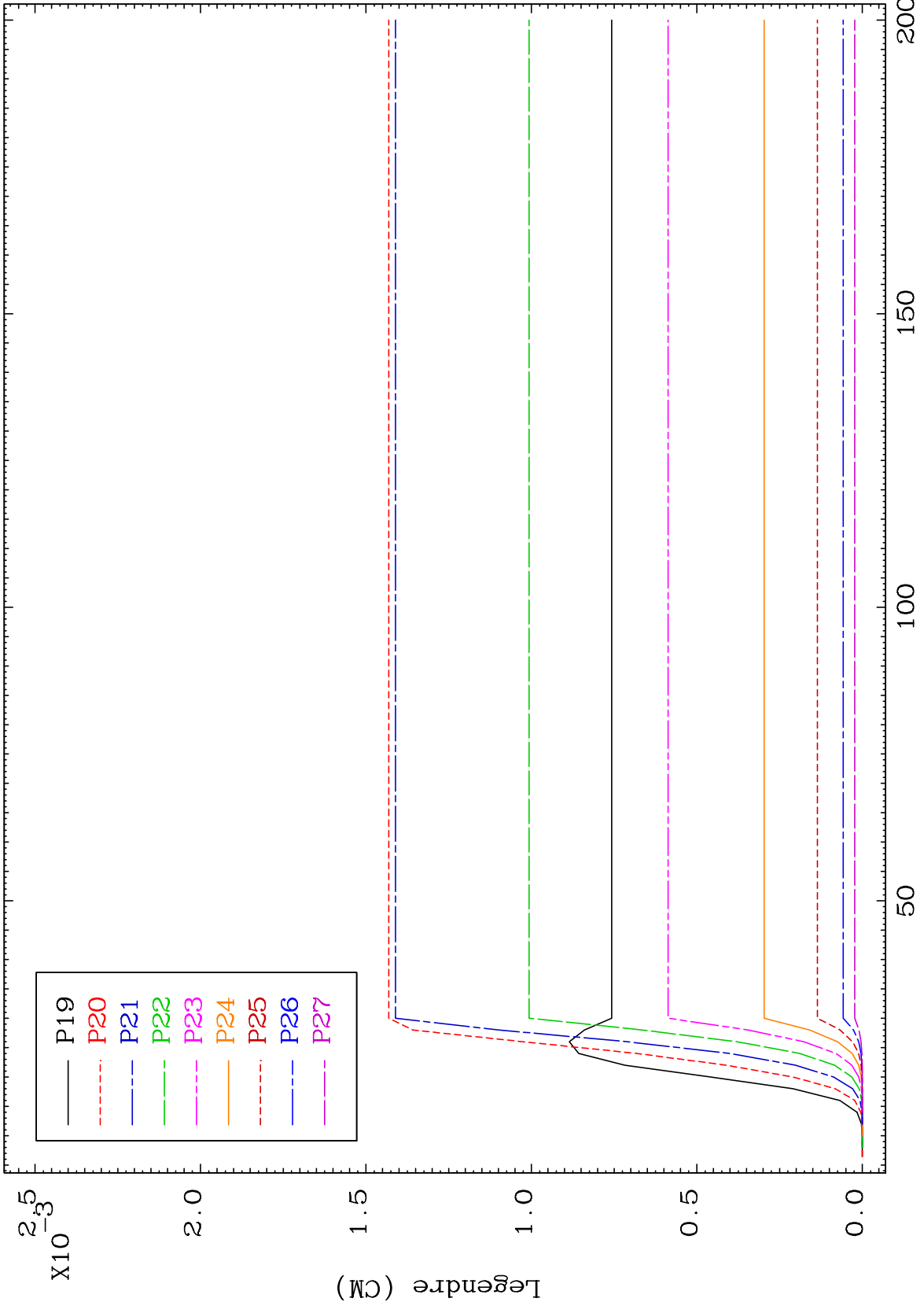
67-Ho-163



85

Incident Energy (MeV)

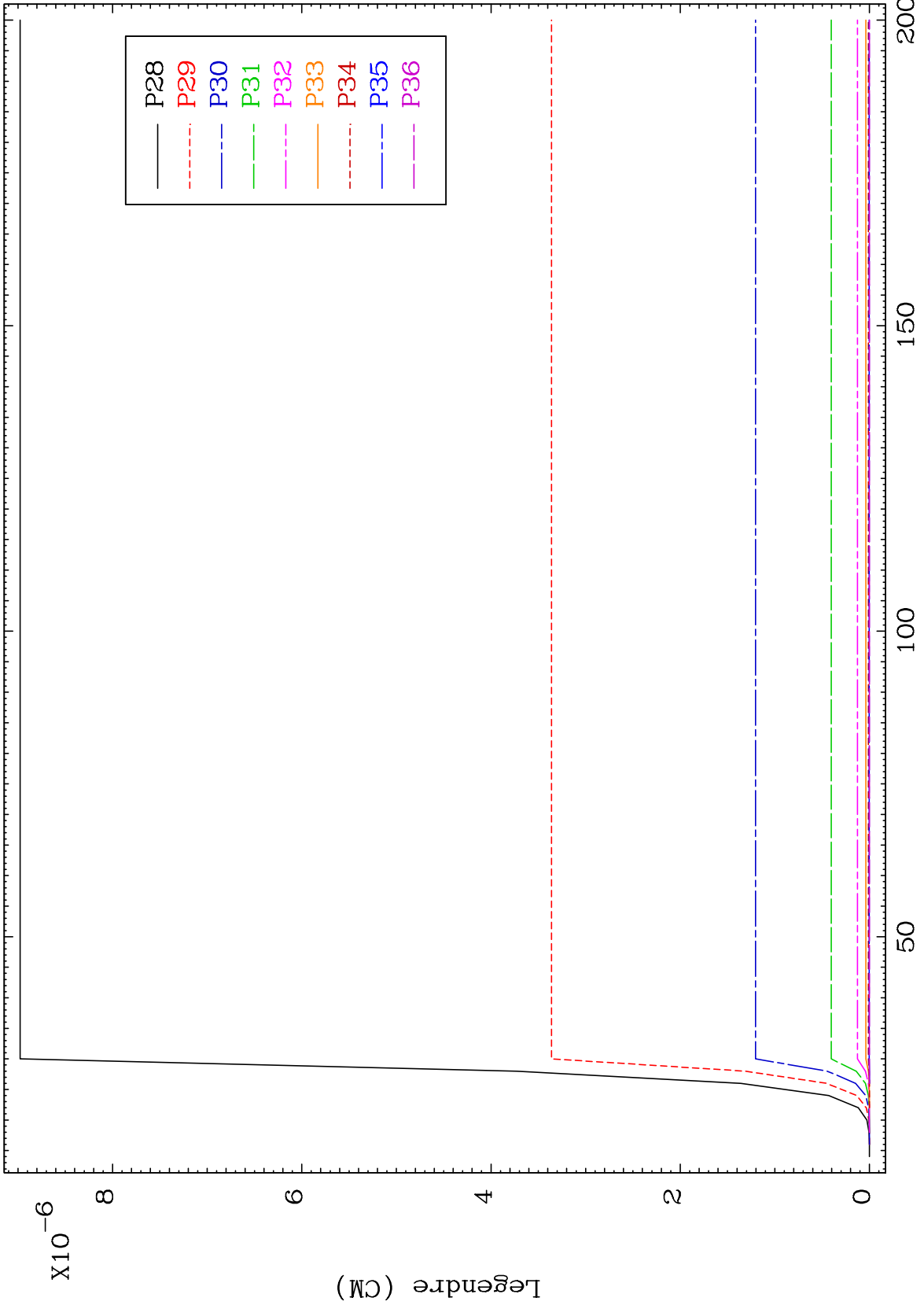
67-Ho-163



MAT 6719

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

67-Ho-163



87

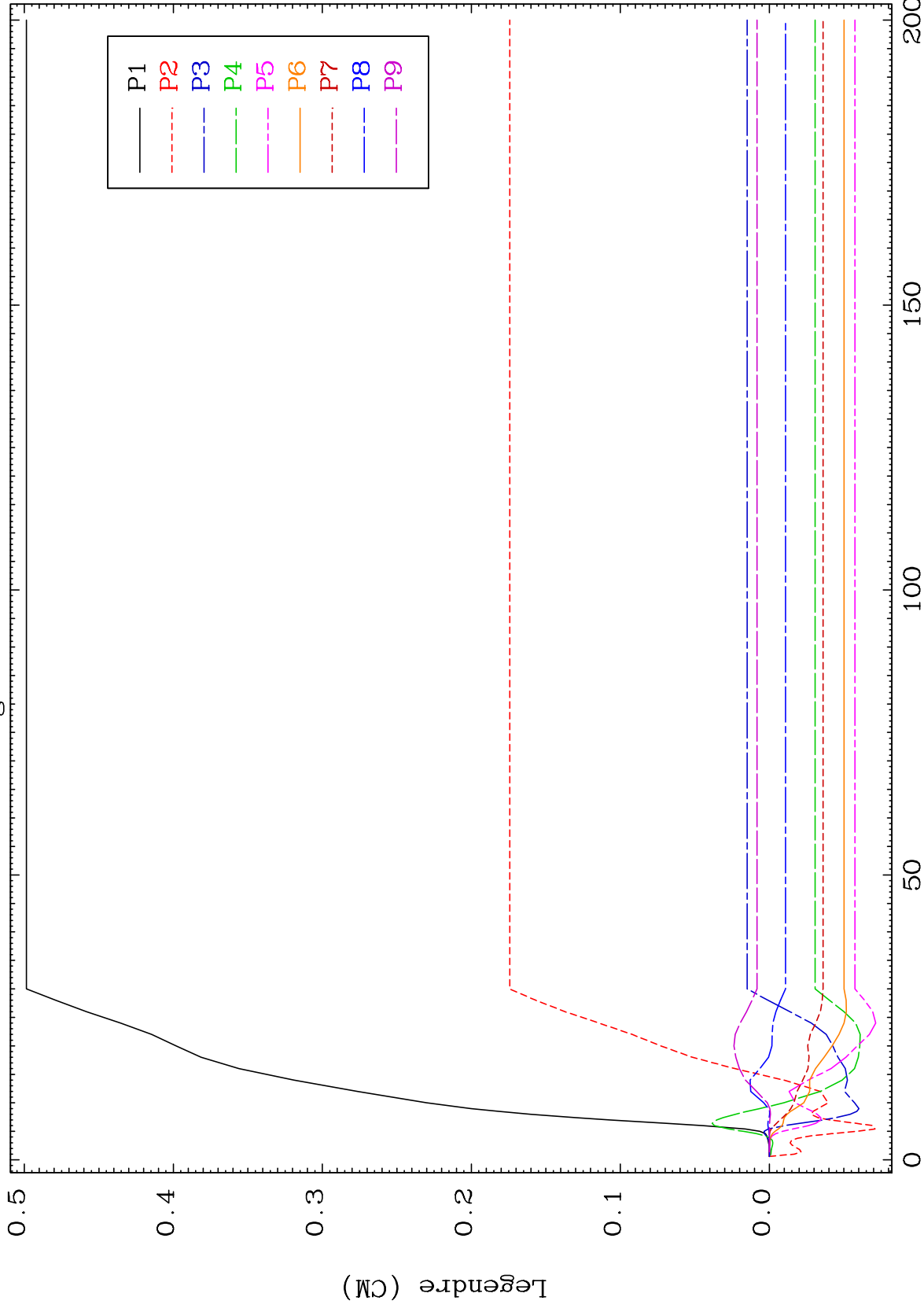
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



88

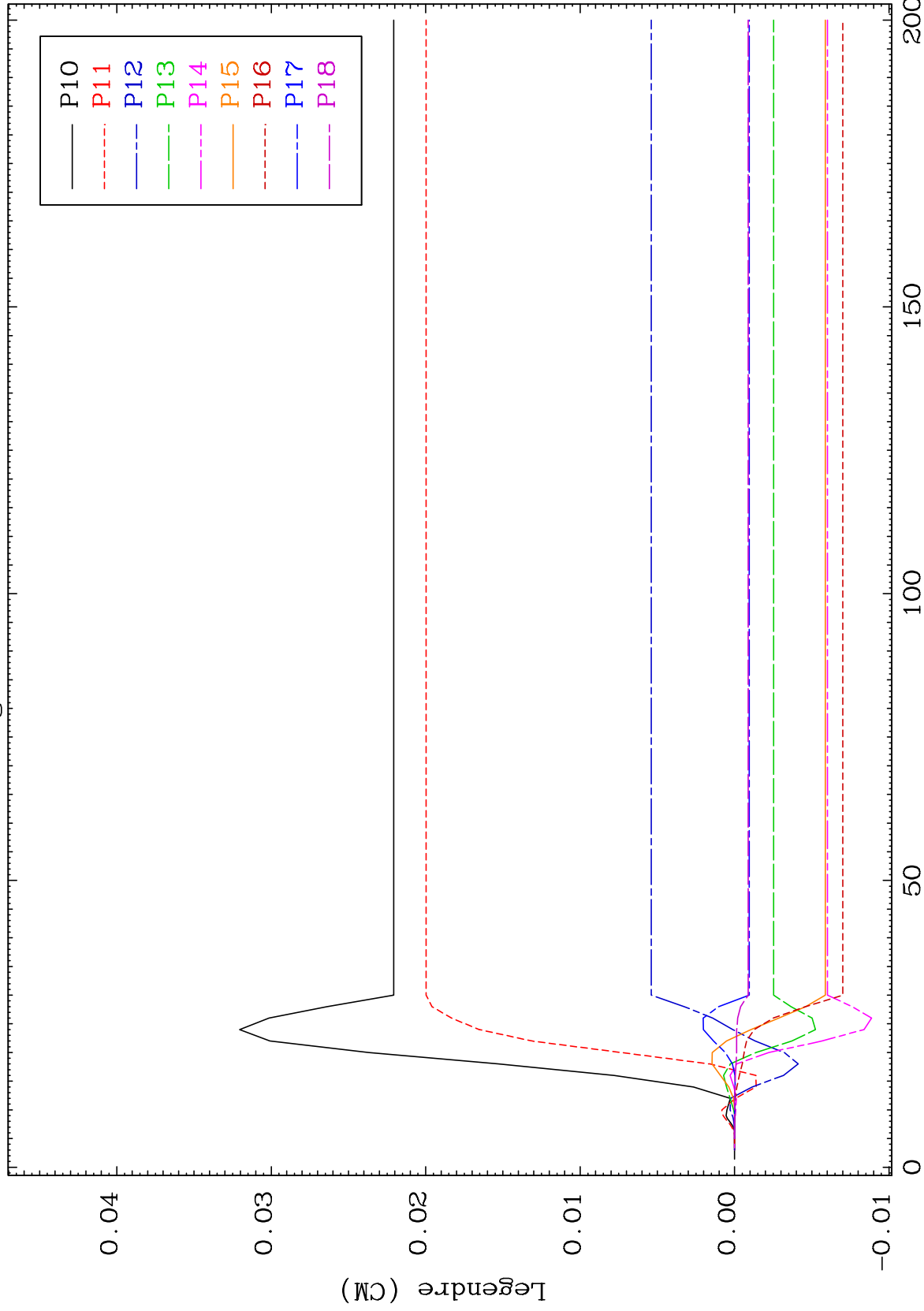
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



89

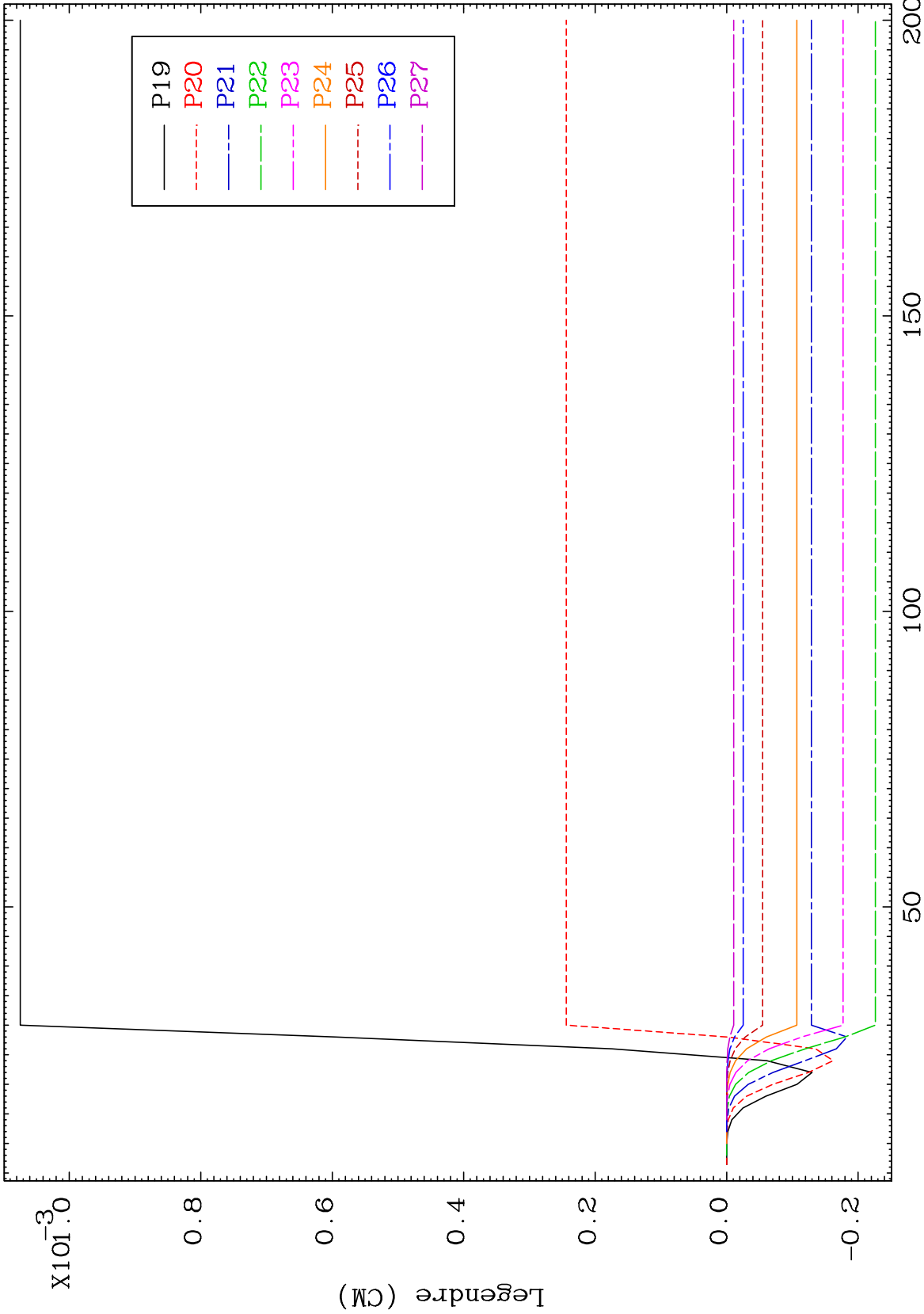
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

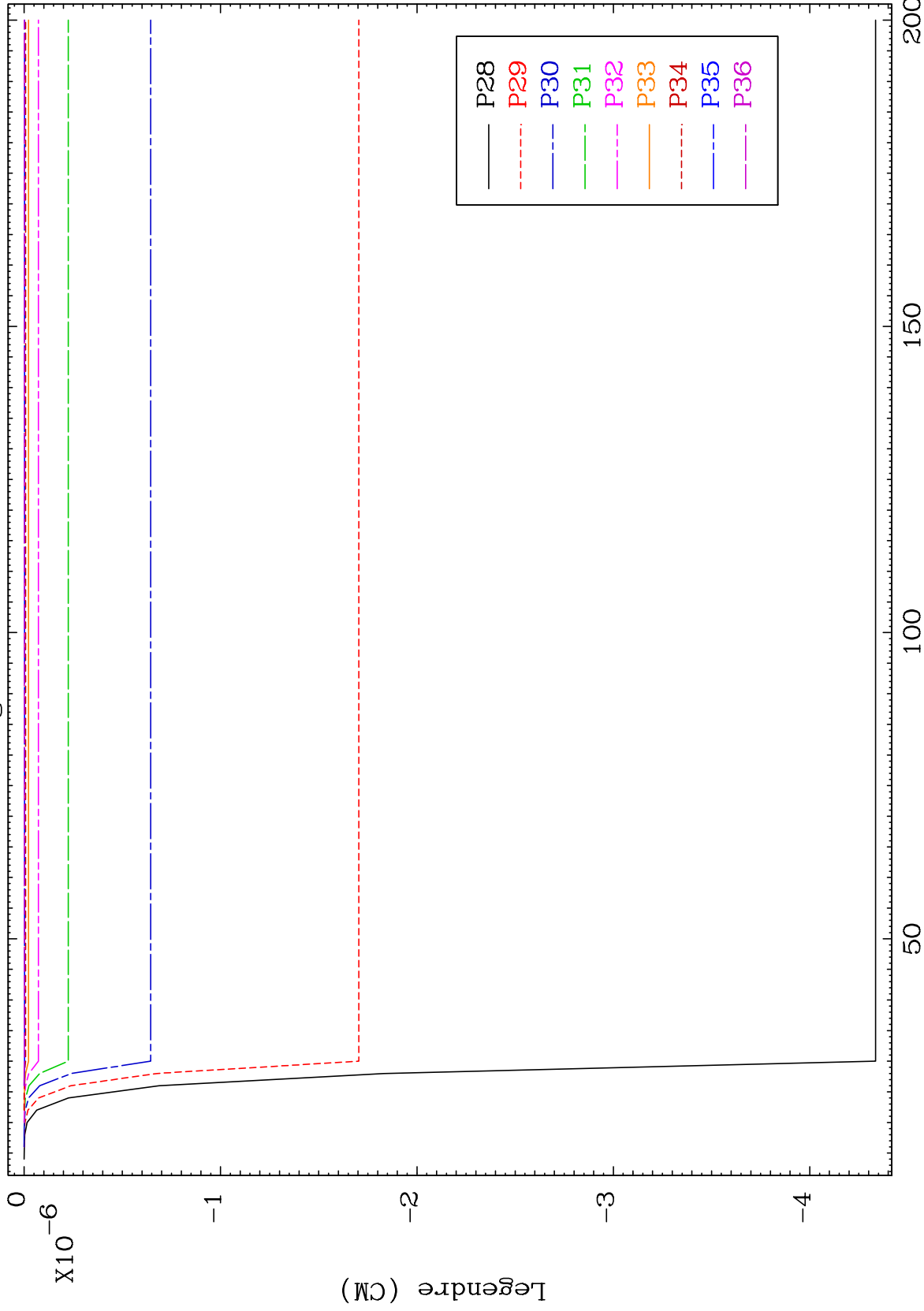
67-Ho-163



90

Incident Energy (MeV)

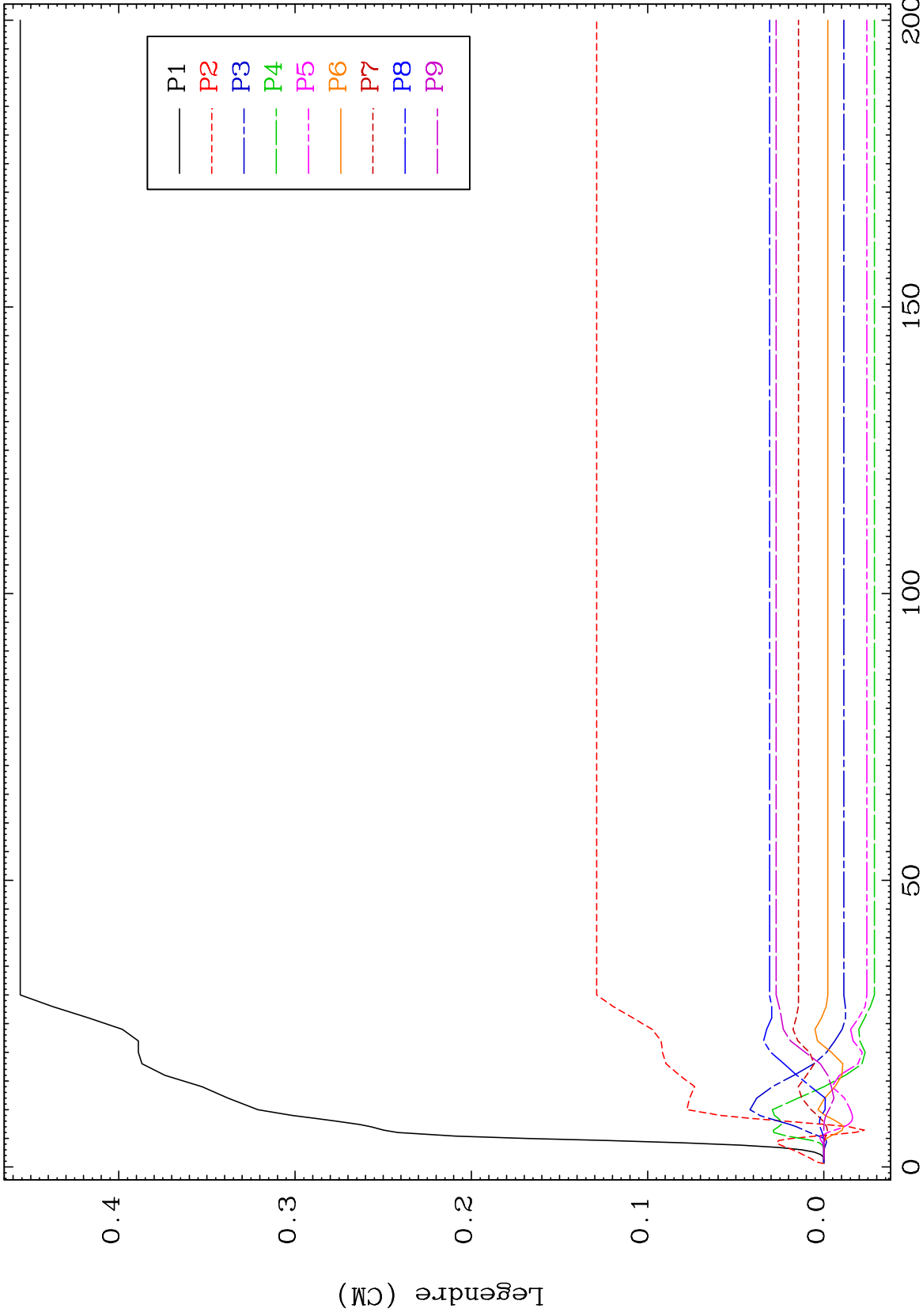
67-Ho-163



MAT 6719

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

67-Ho-163



92

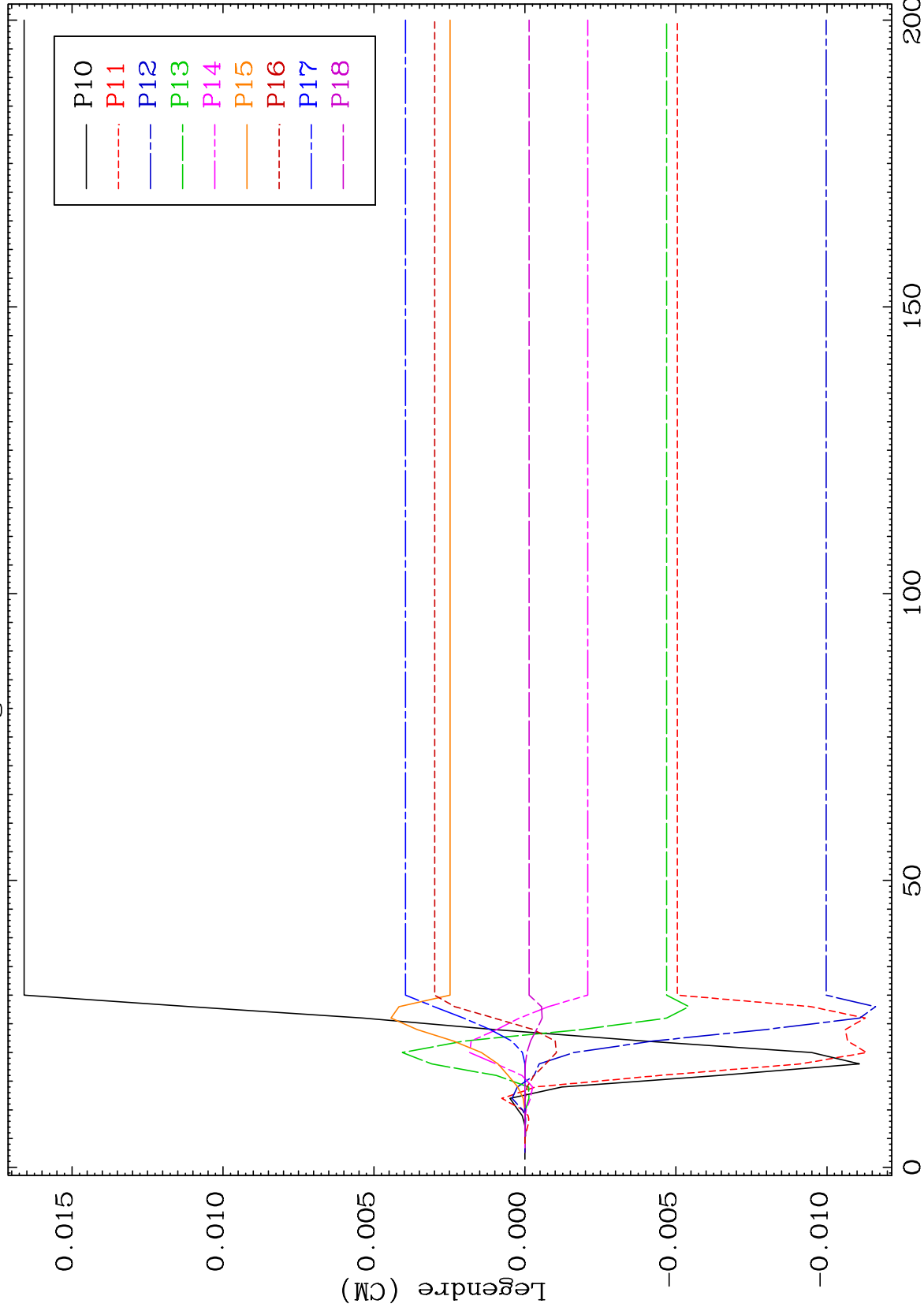
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



93

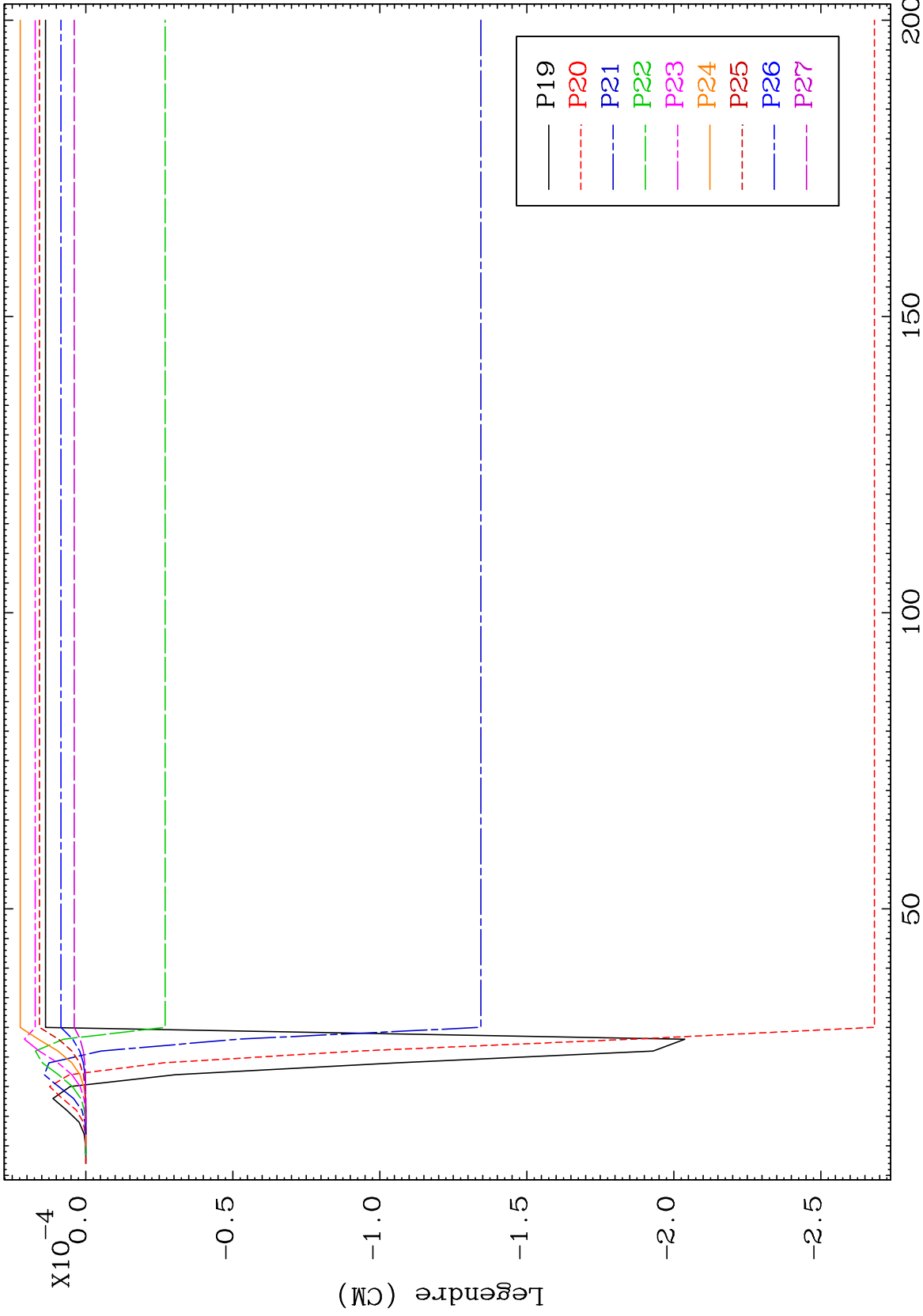
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



94

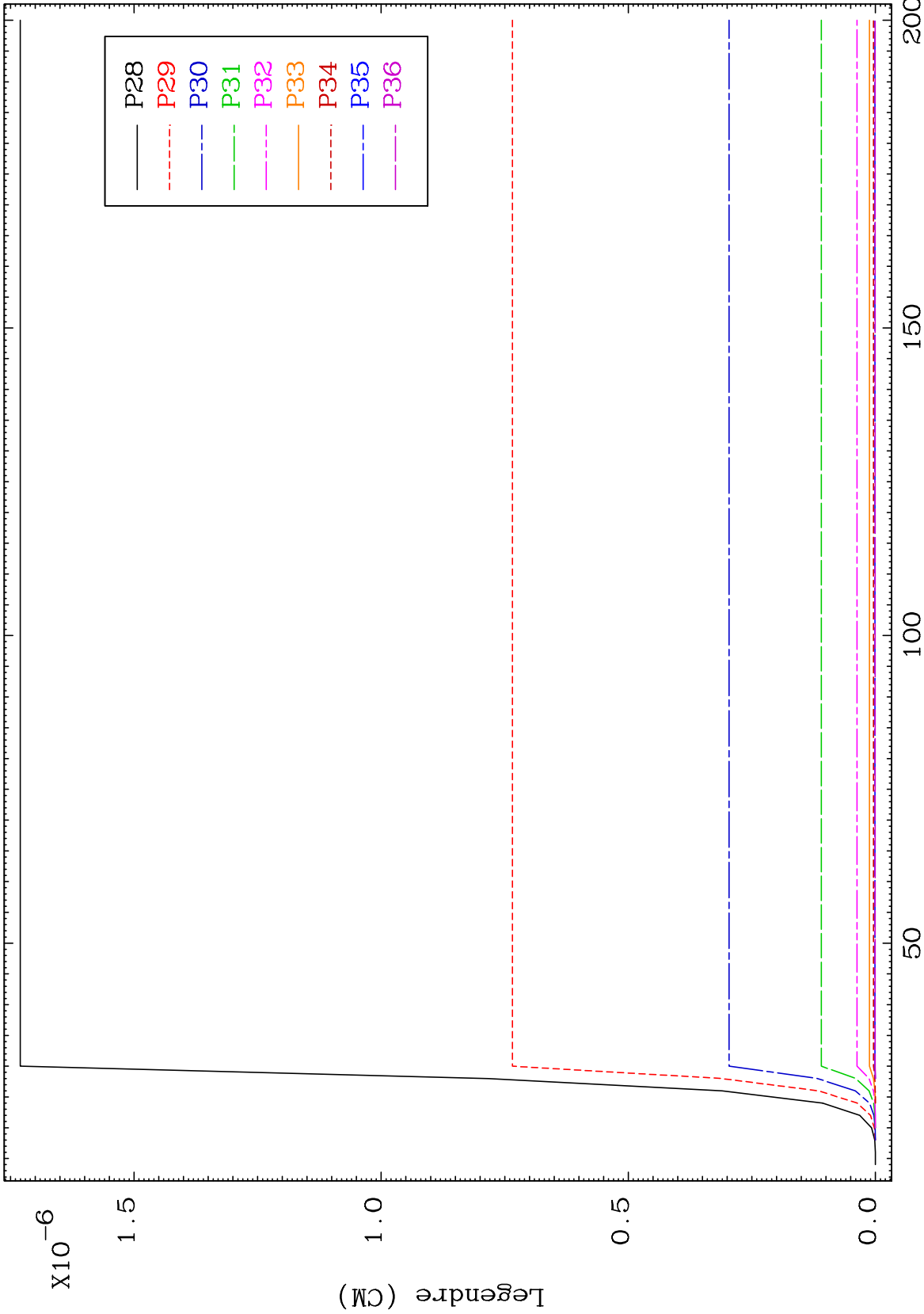
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



95

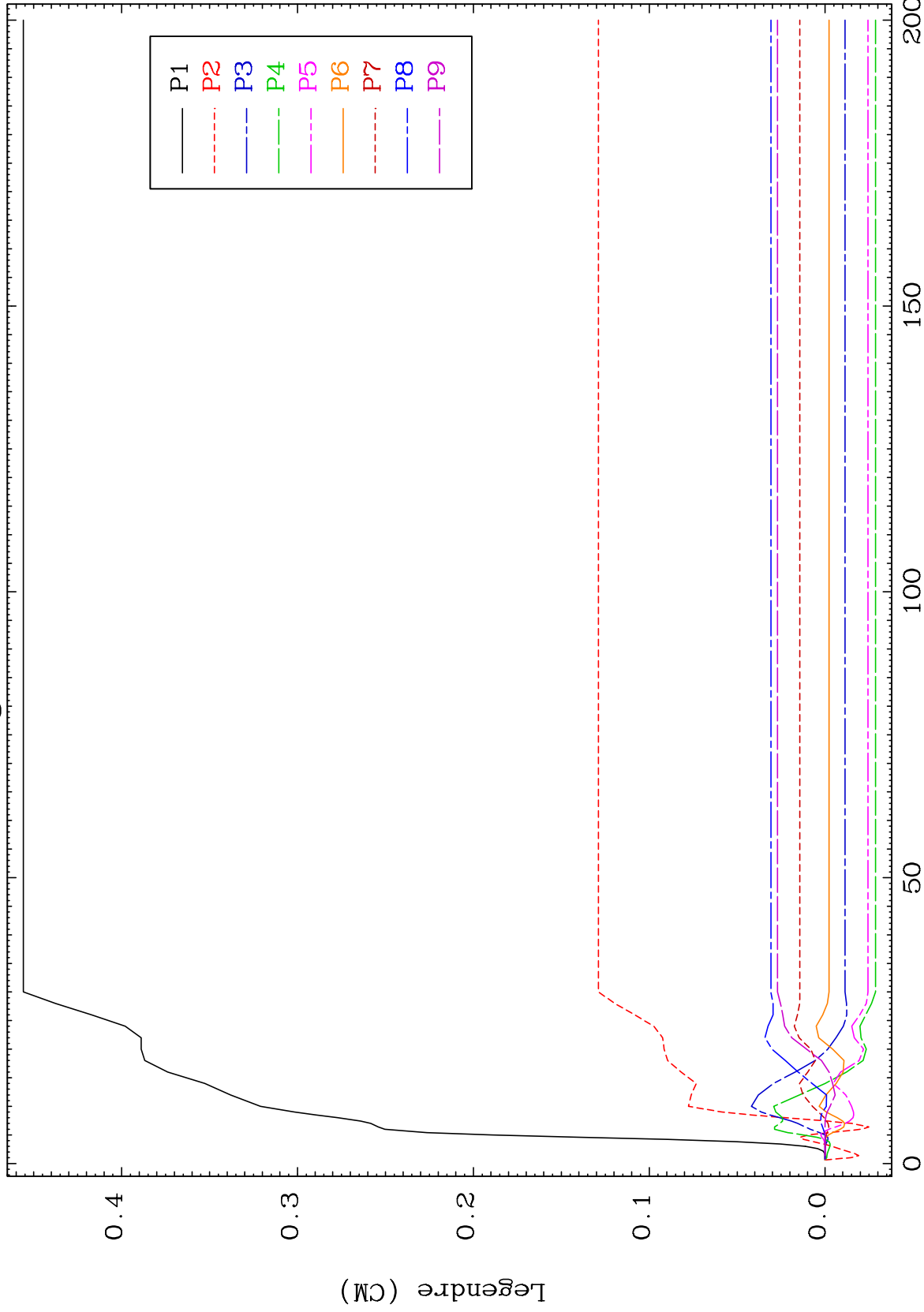
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



96

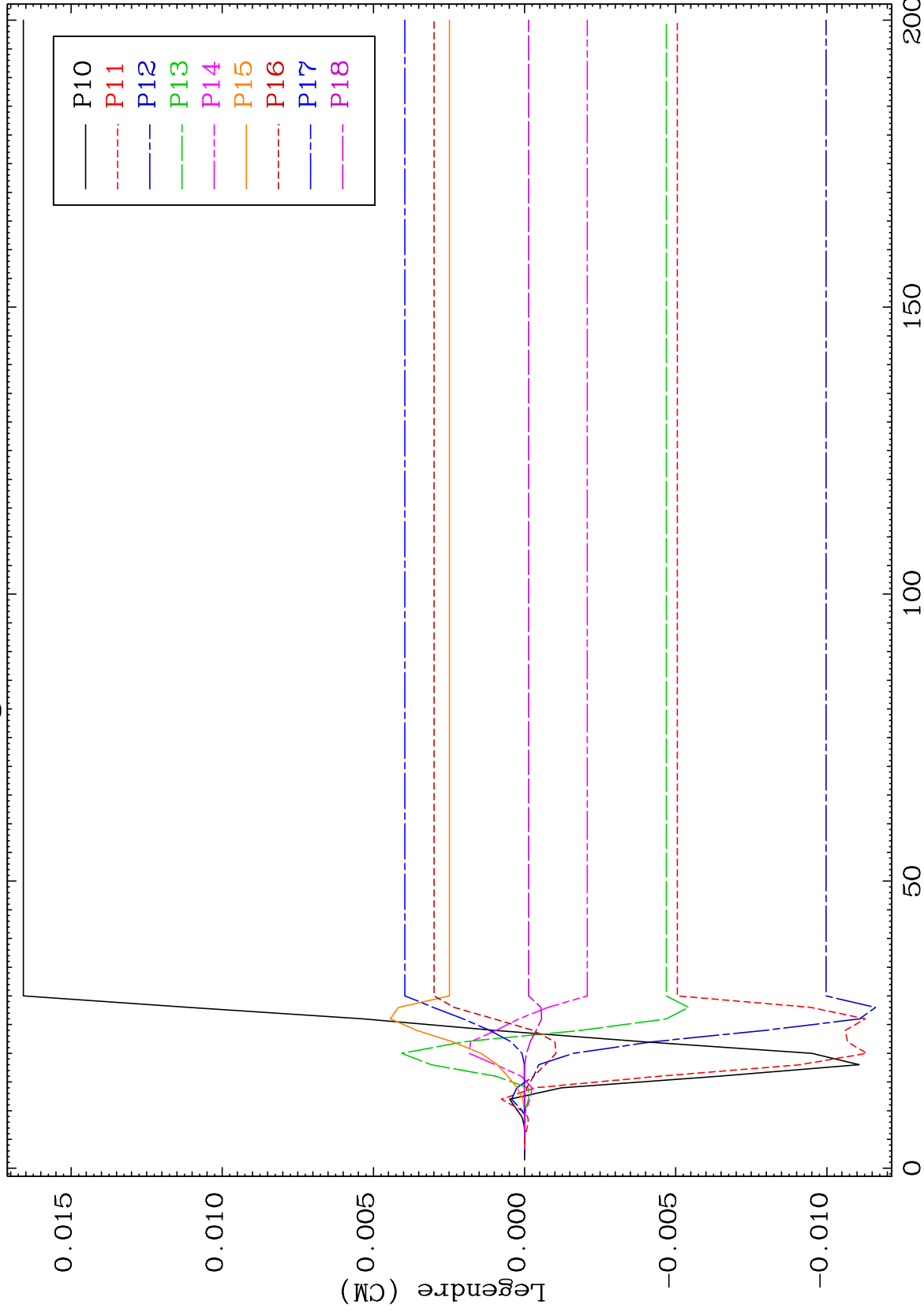
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



97

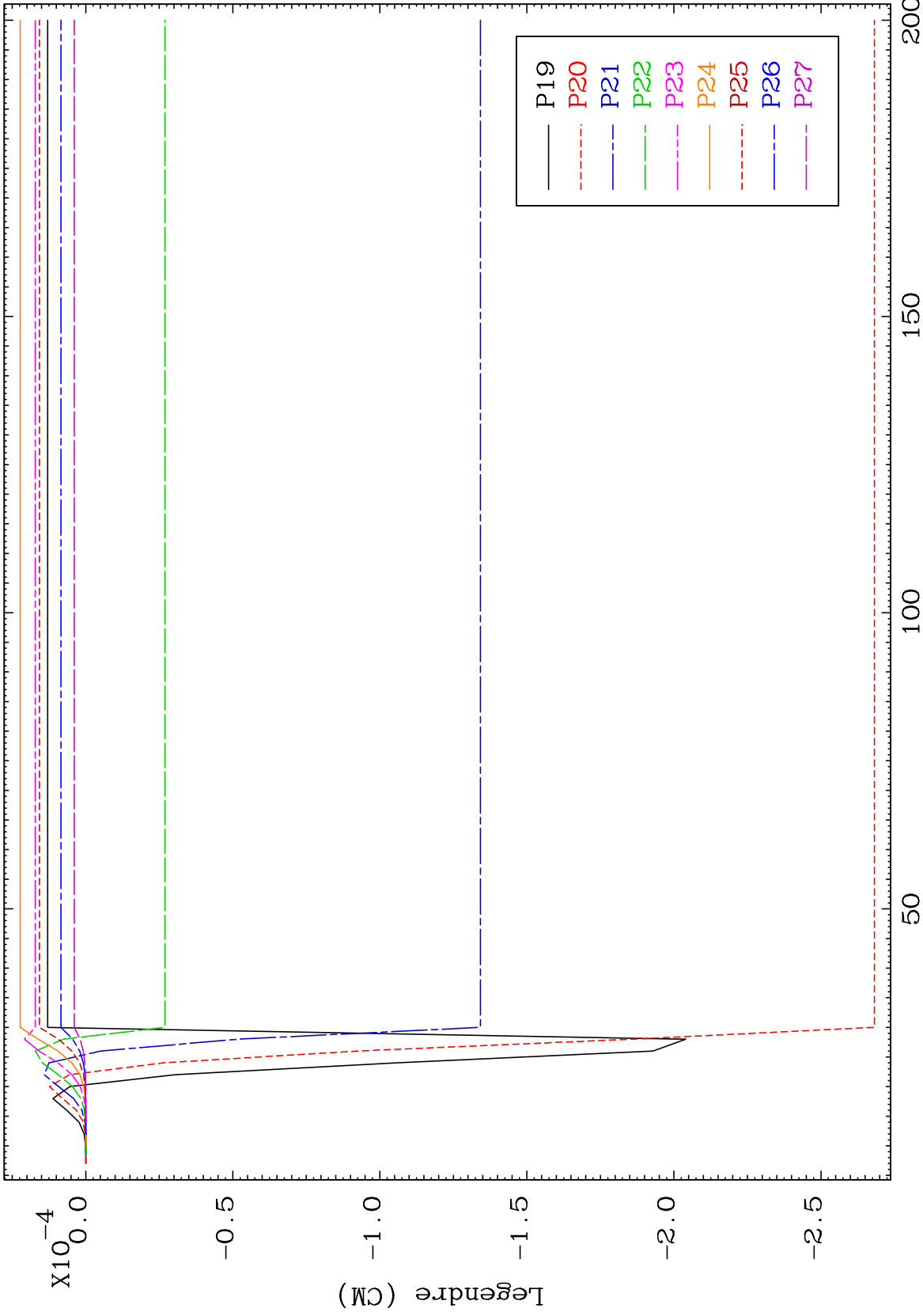
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



98

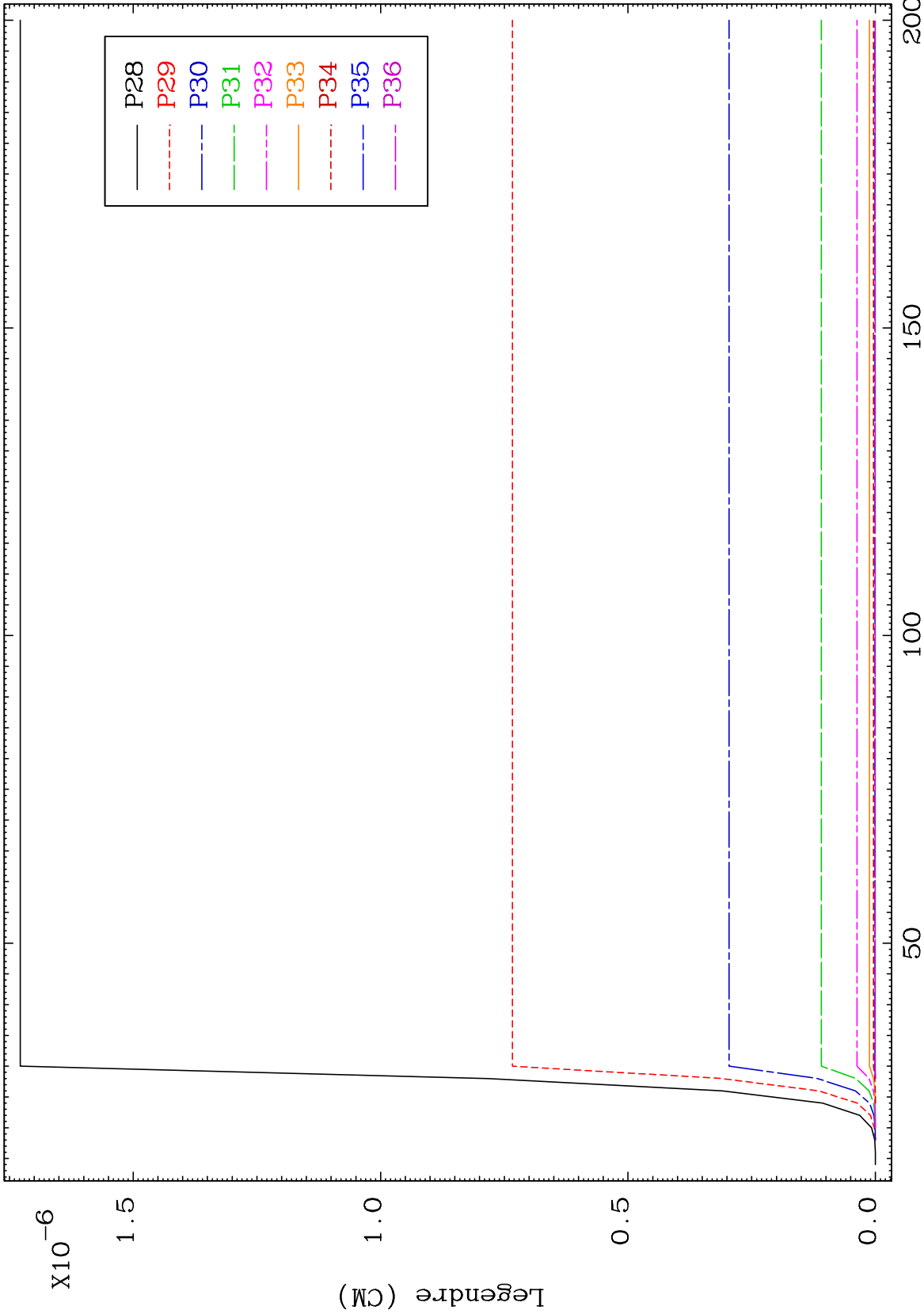
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



99

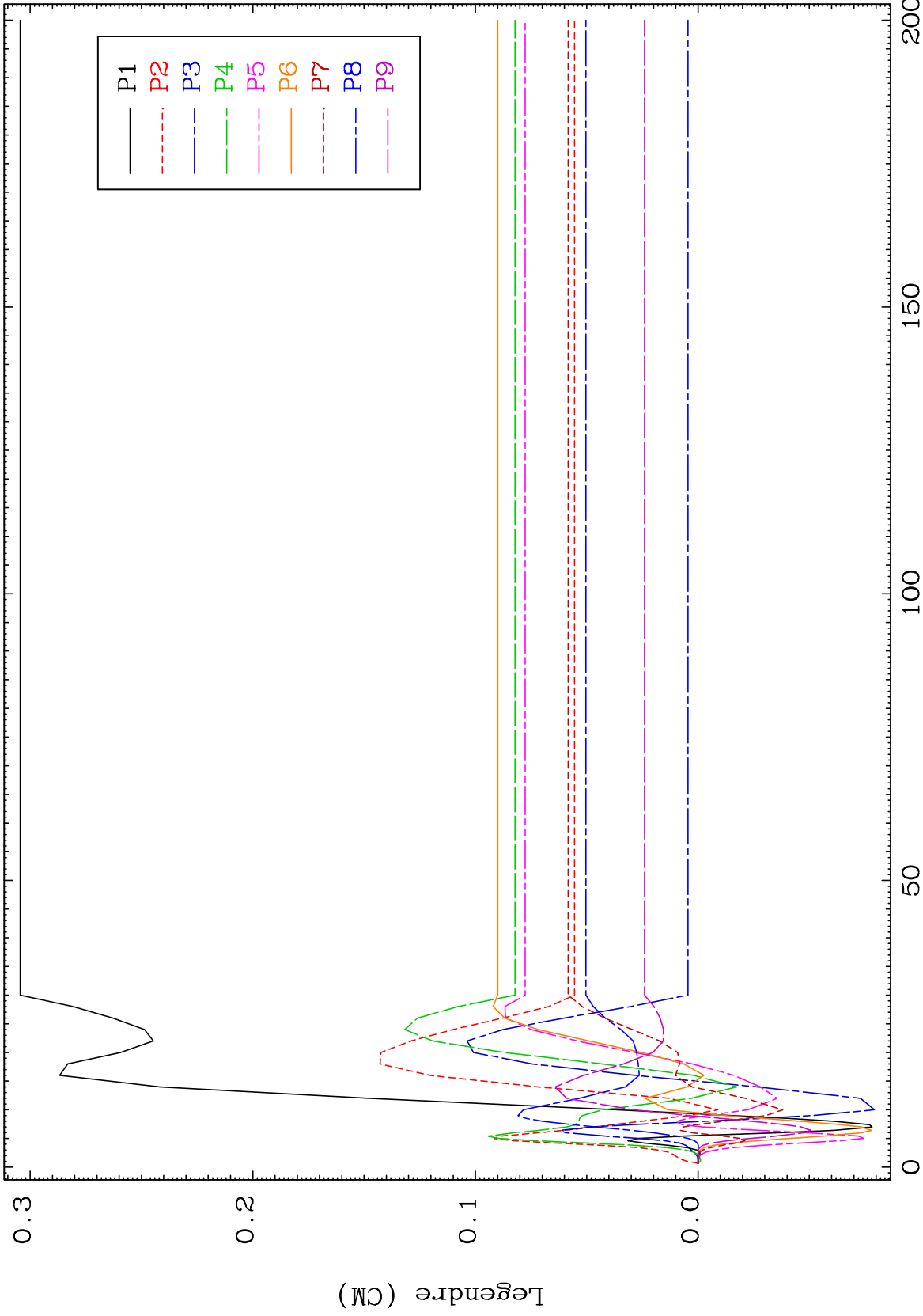
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



67-Ho-163

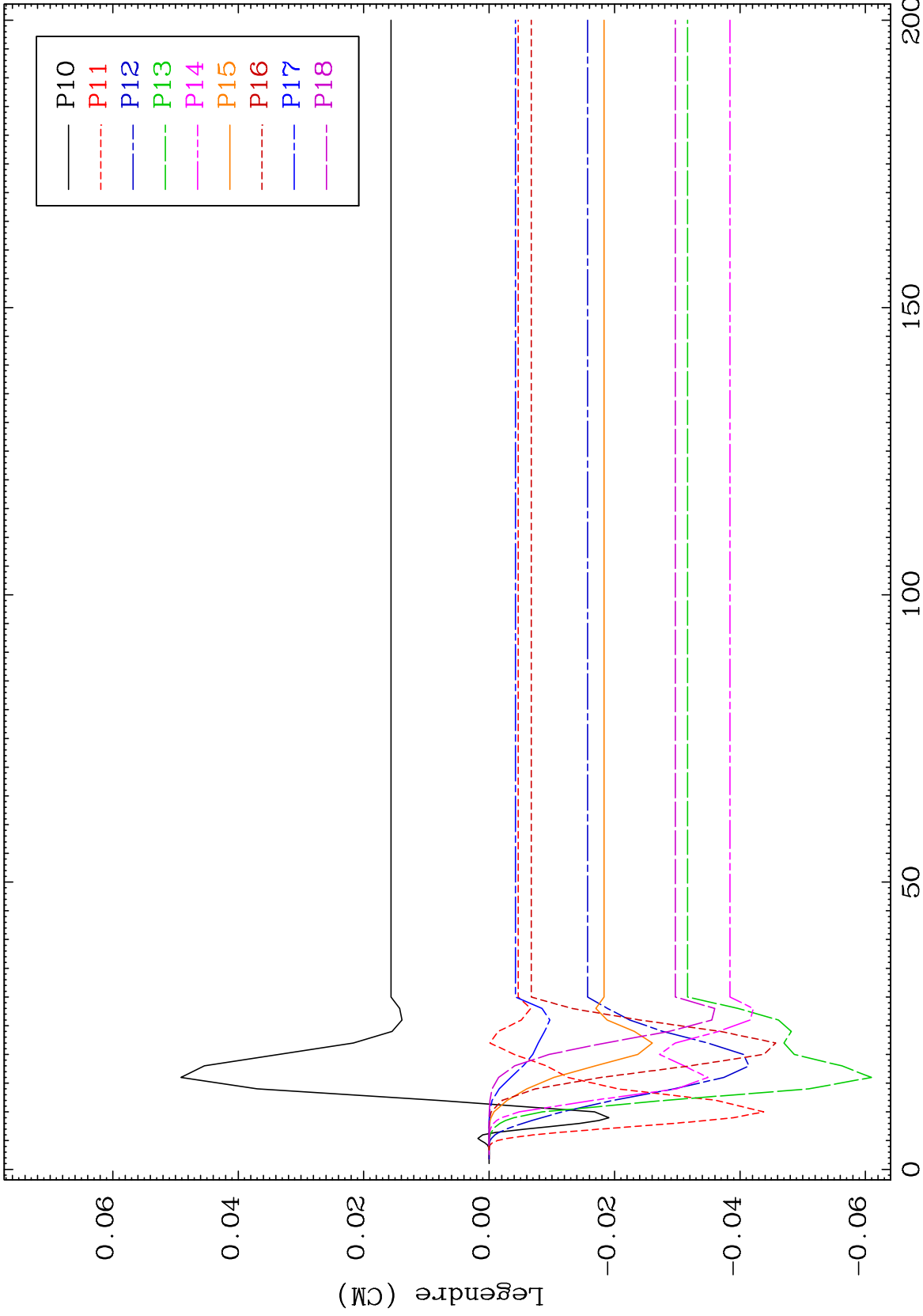
Incident Energy (MeV)

100

MAT 6719

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

67-Ho-163

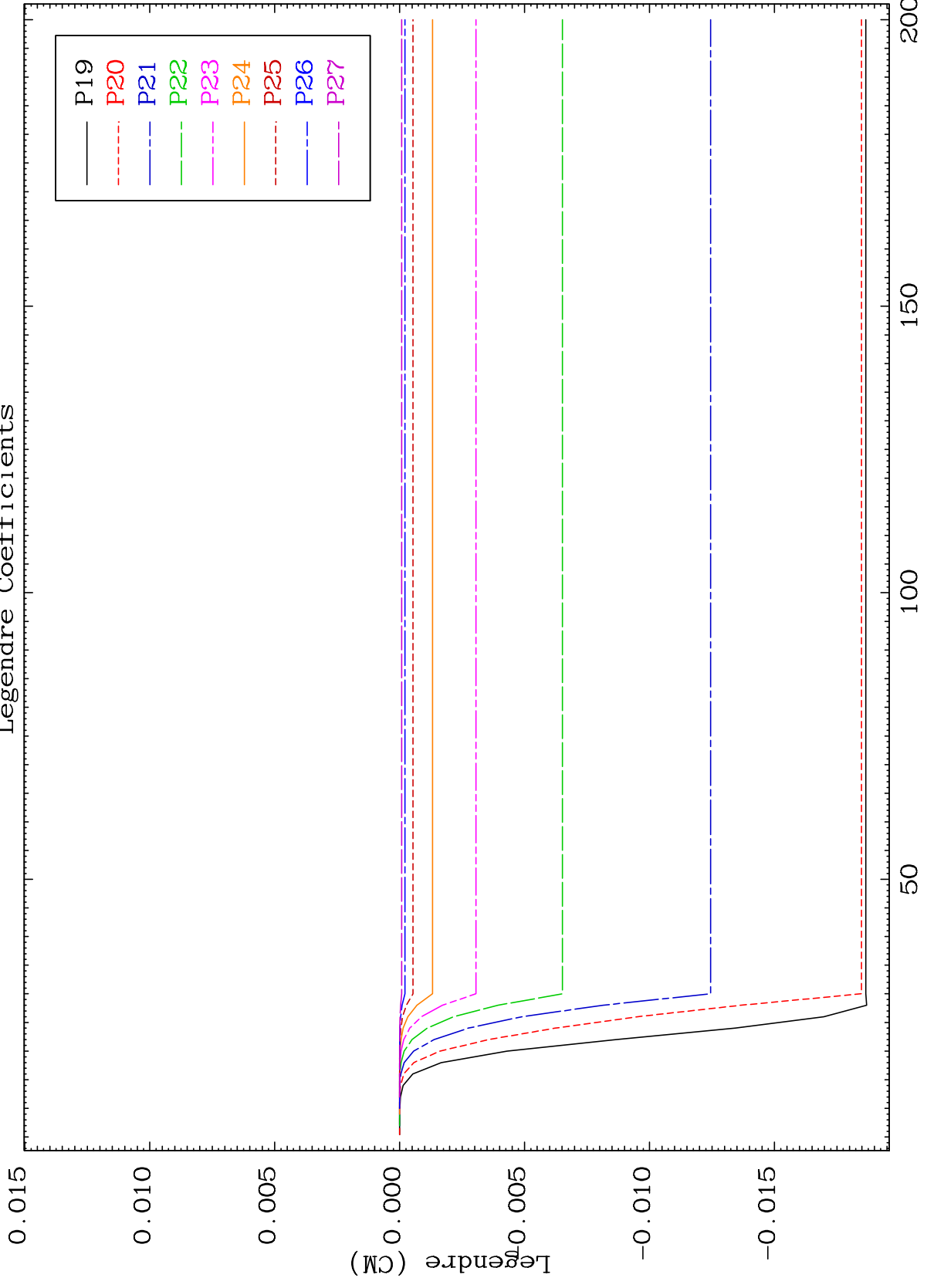


101

Incident Energy (MeV)

67-Ho-163

MAT 6719 MT= 71 (n,n') Level Legendre Coefficients 67-Ho-163

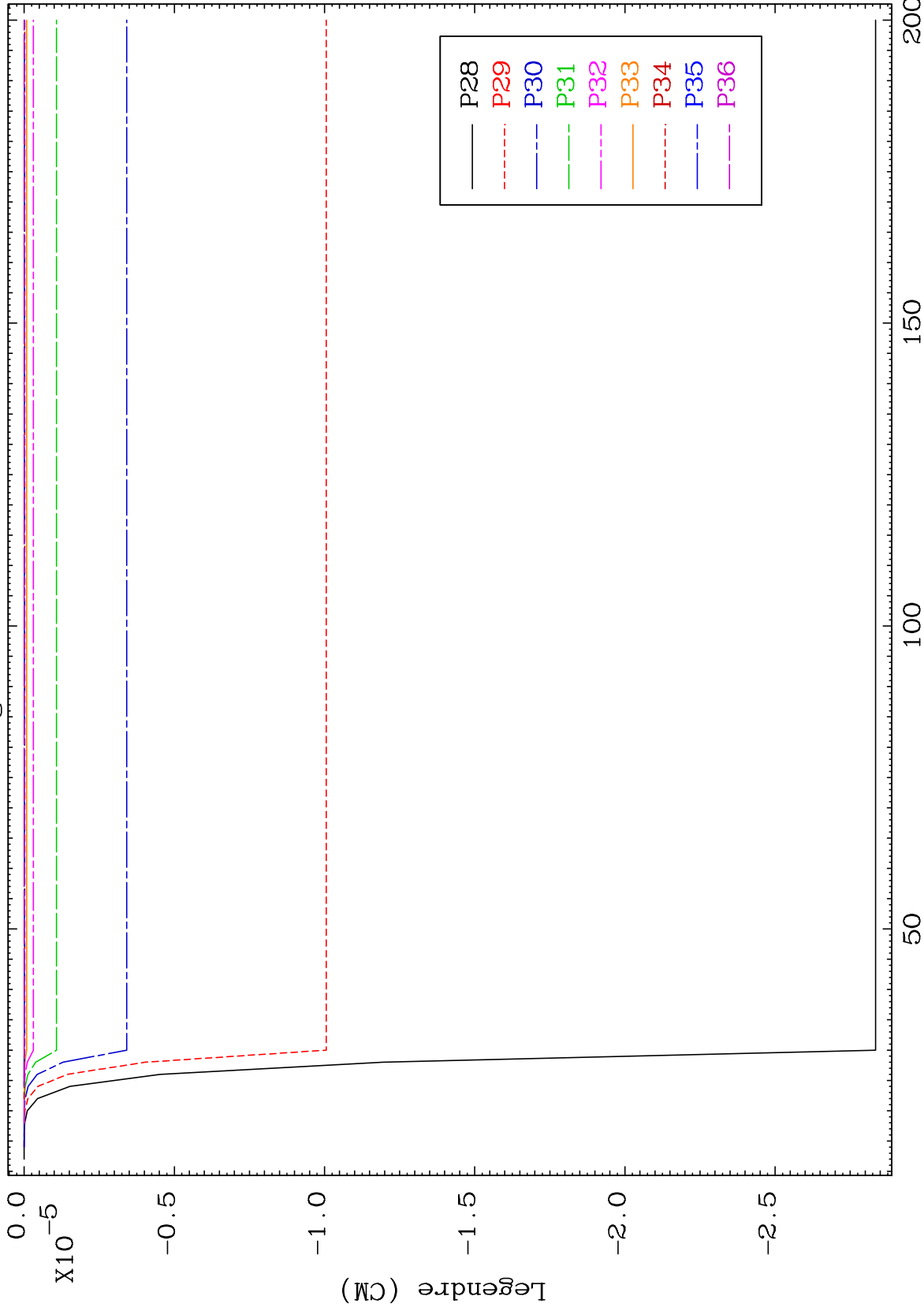


102 Incident Energy (MeV) 67-Ho-163

MAT 6719

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

67-Ho-163



67-Ho-163

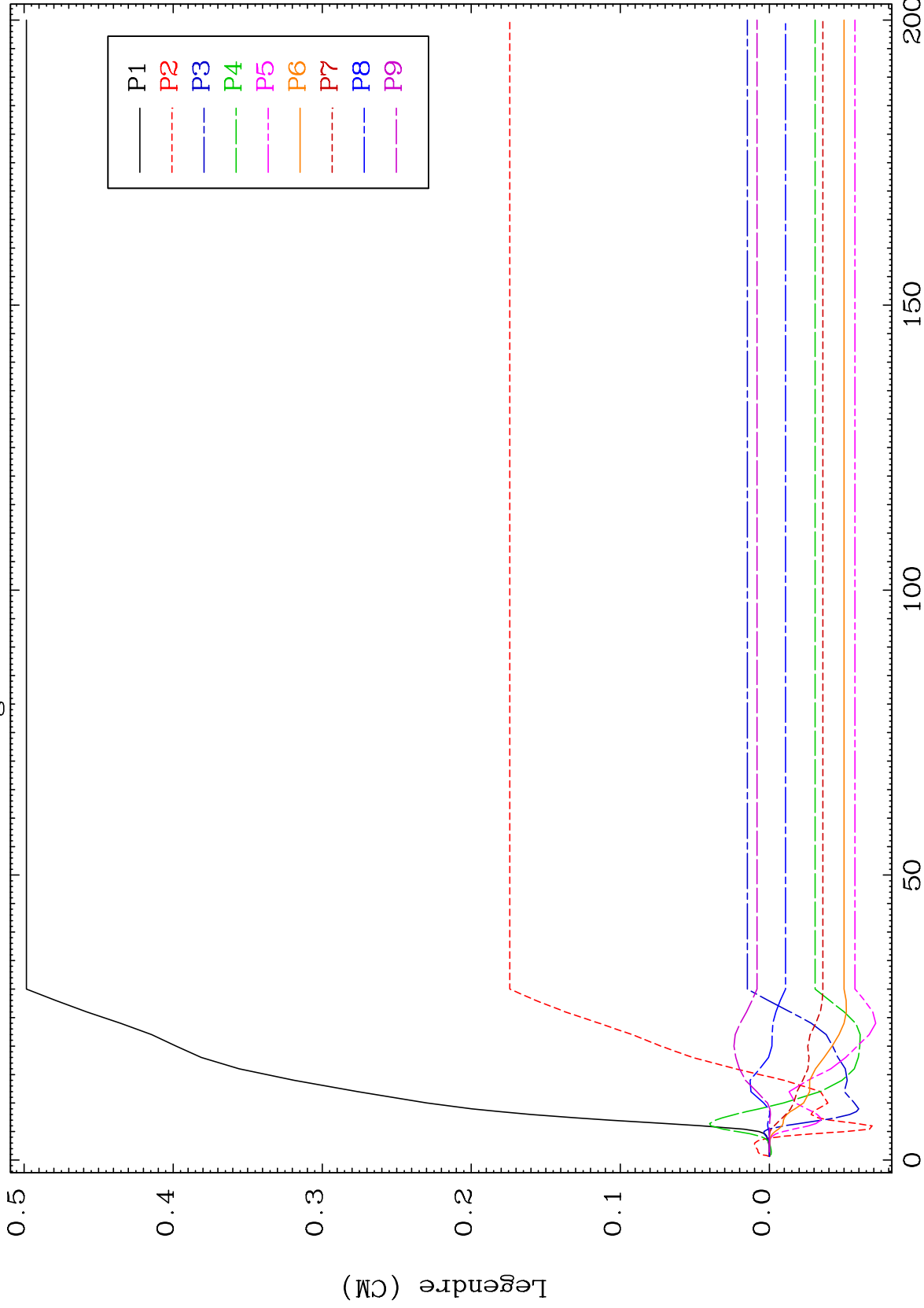
Incident Energy (MeV)

103

MAT 6719

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

67-Ho-163



104

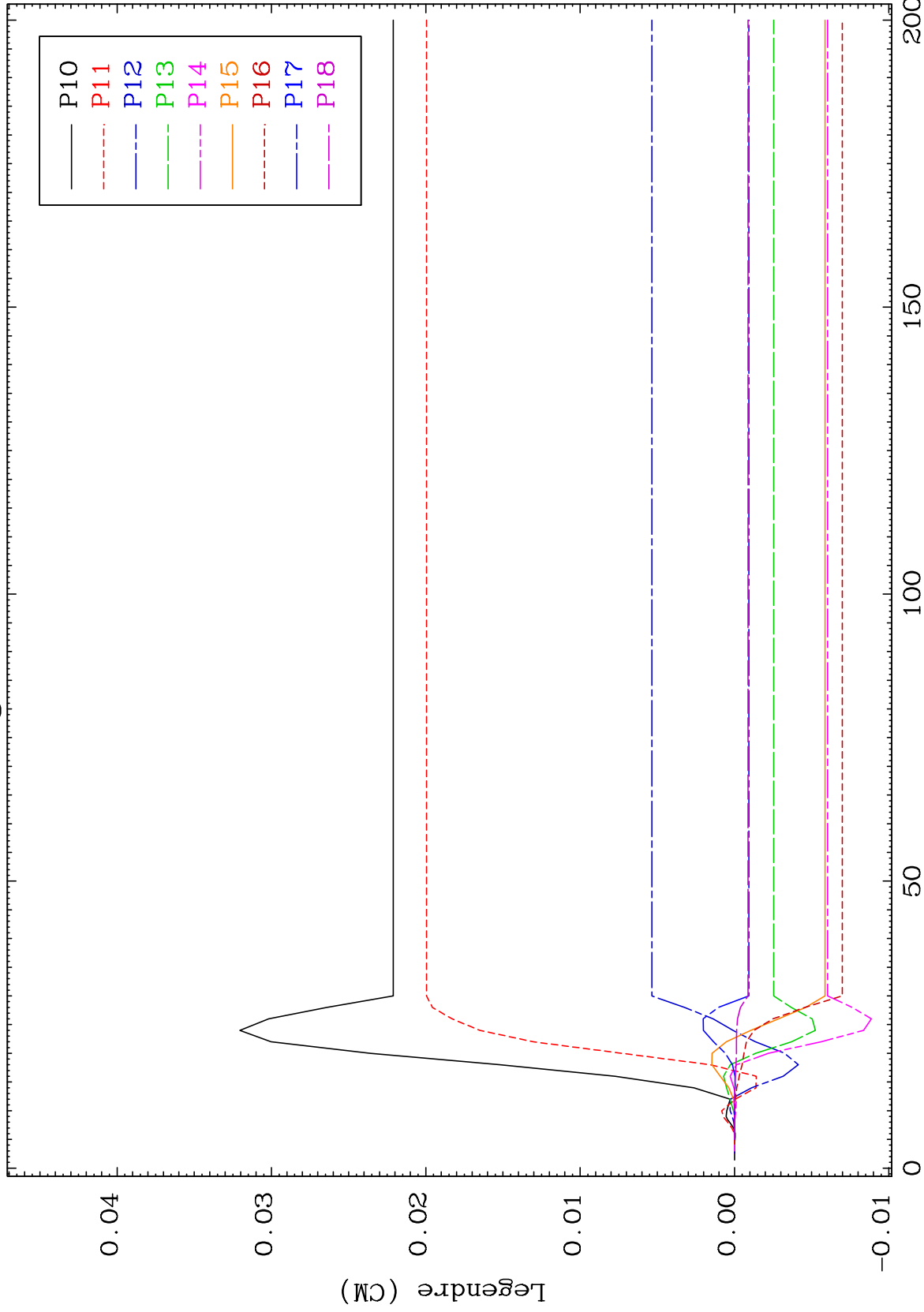
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



105

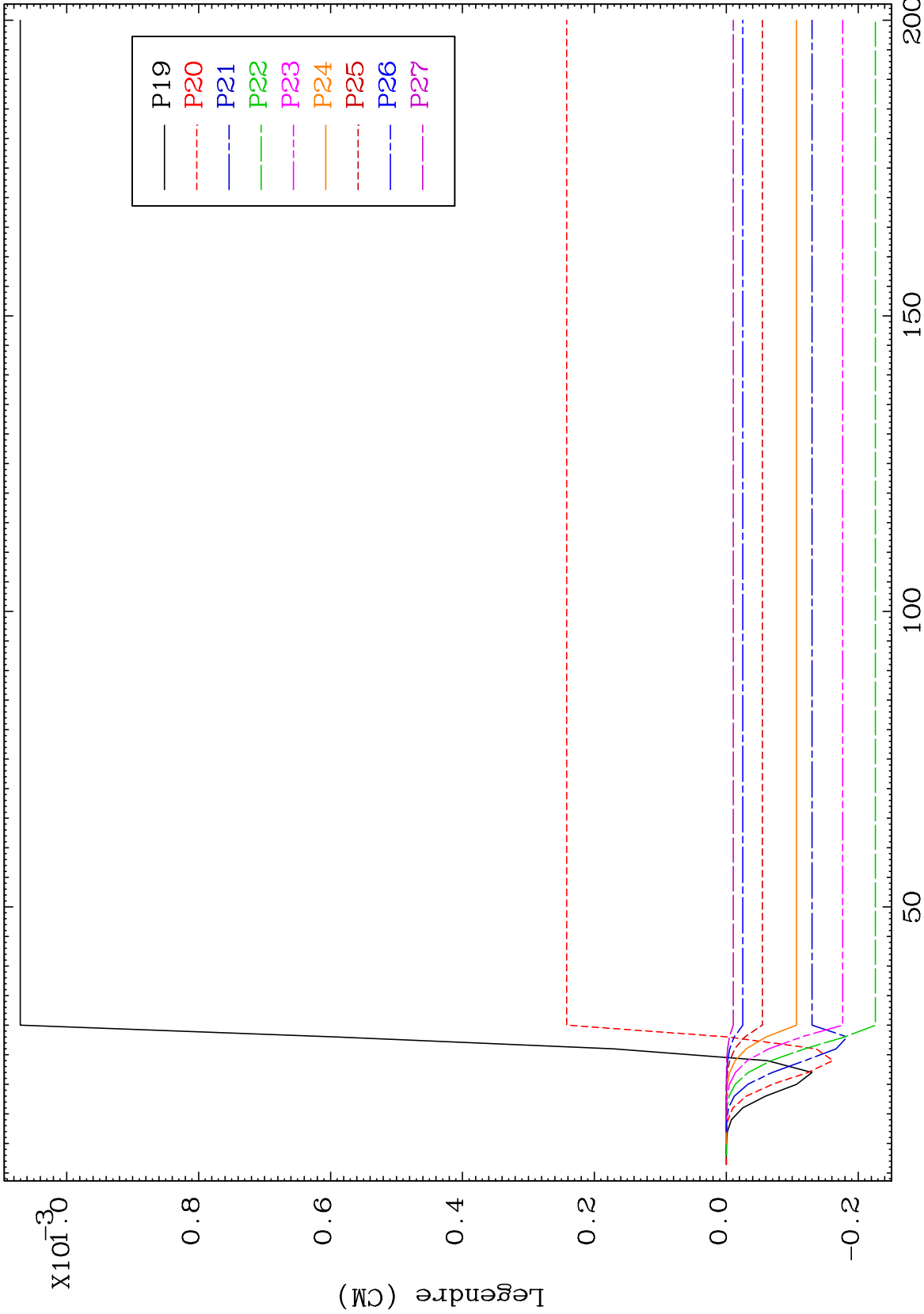
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



106

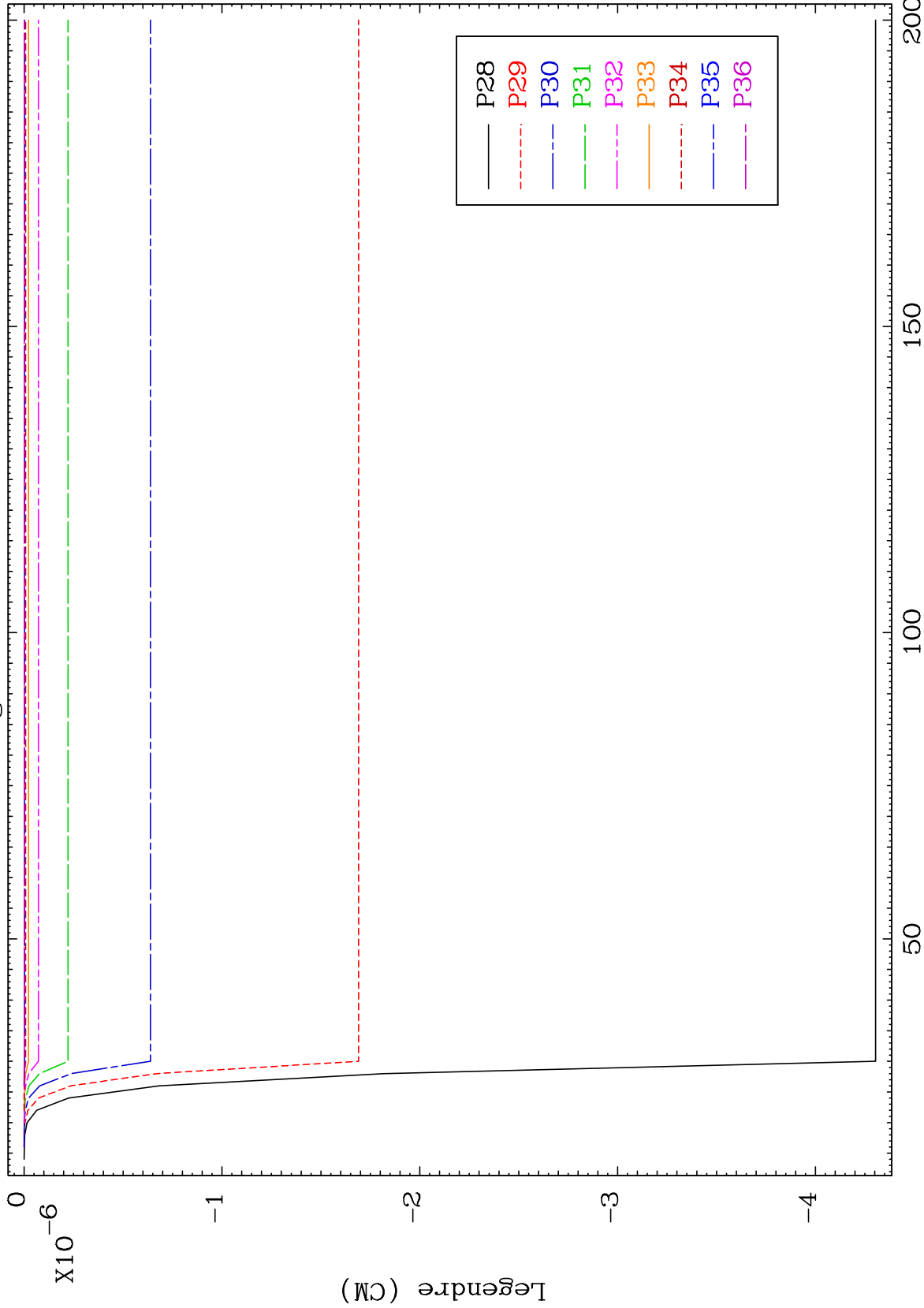
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



107

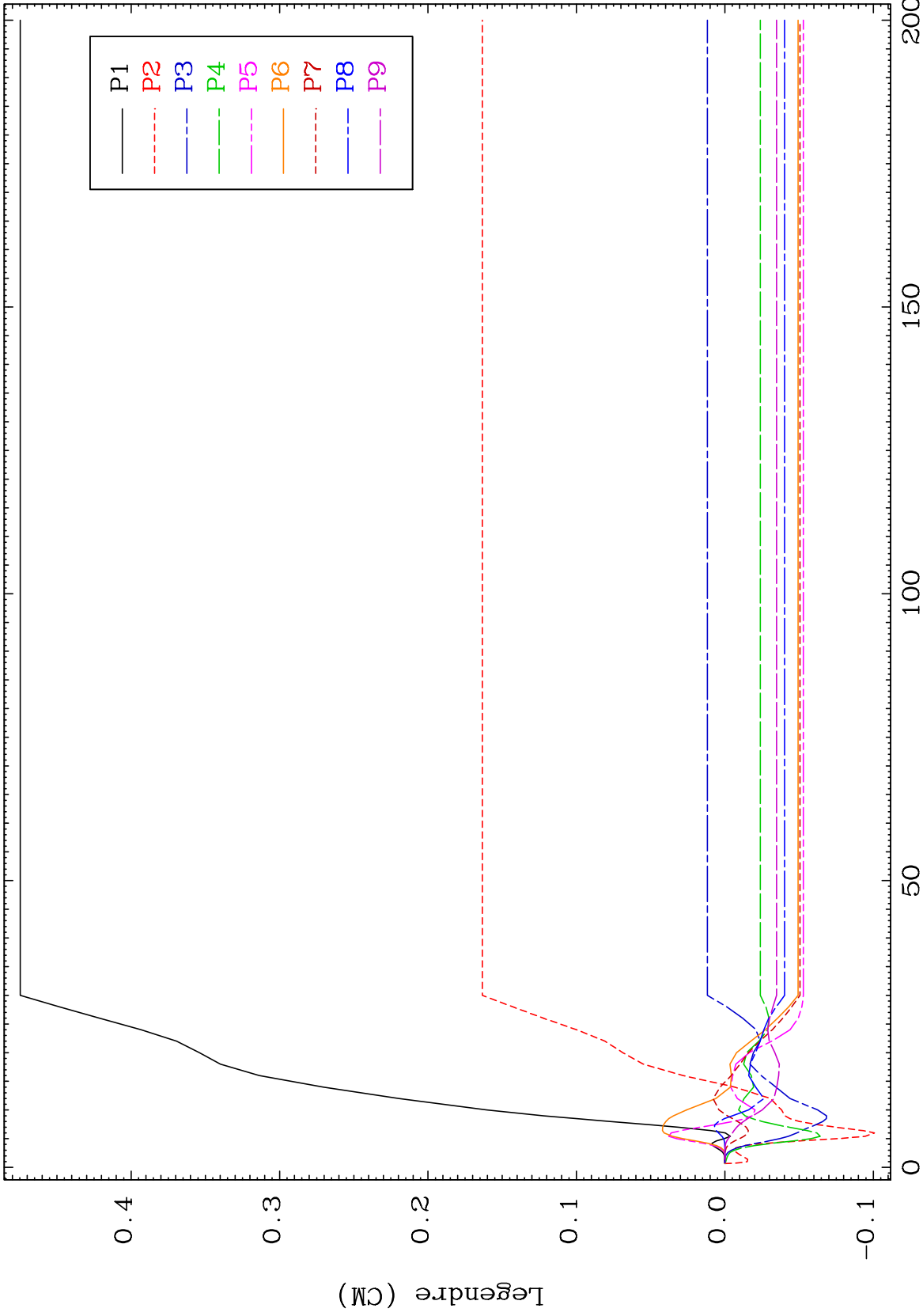
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



108

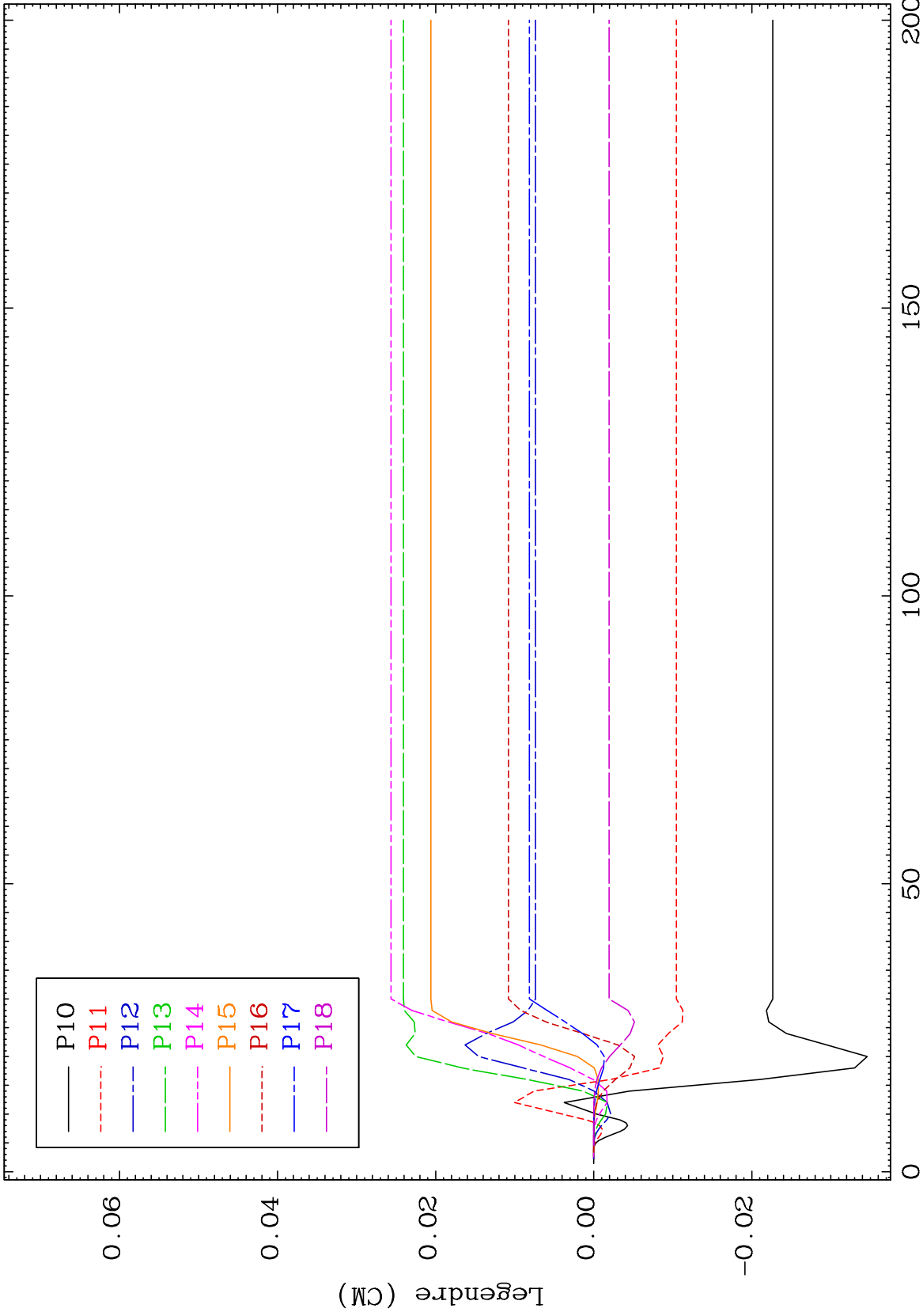
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



109

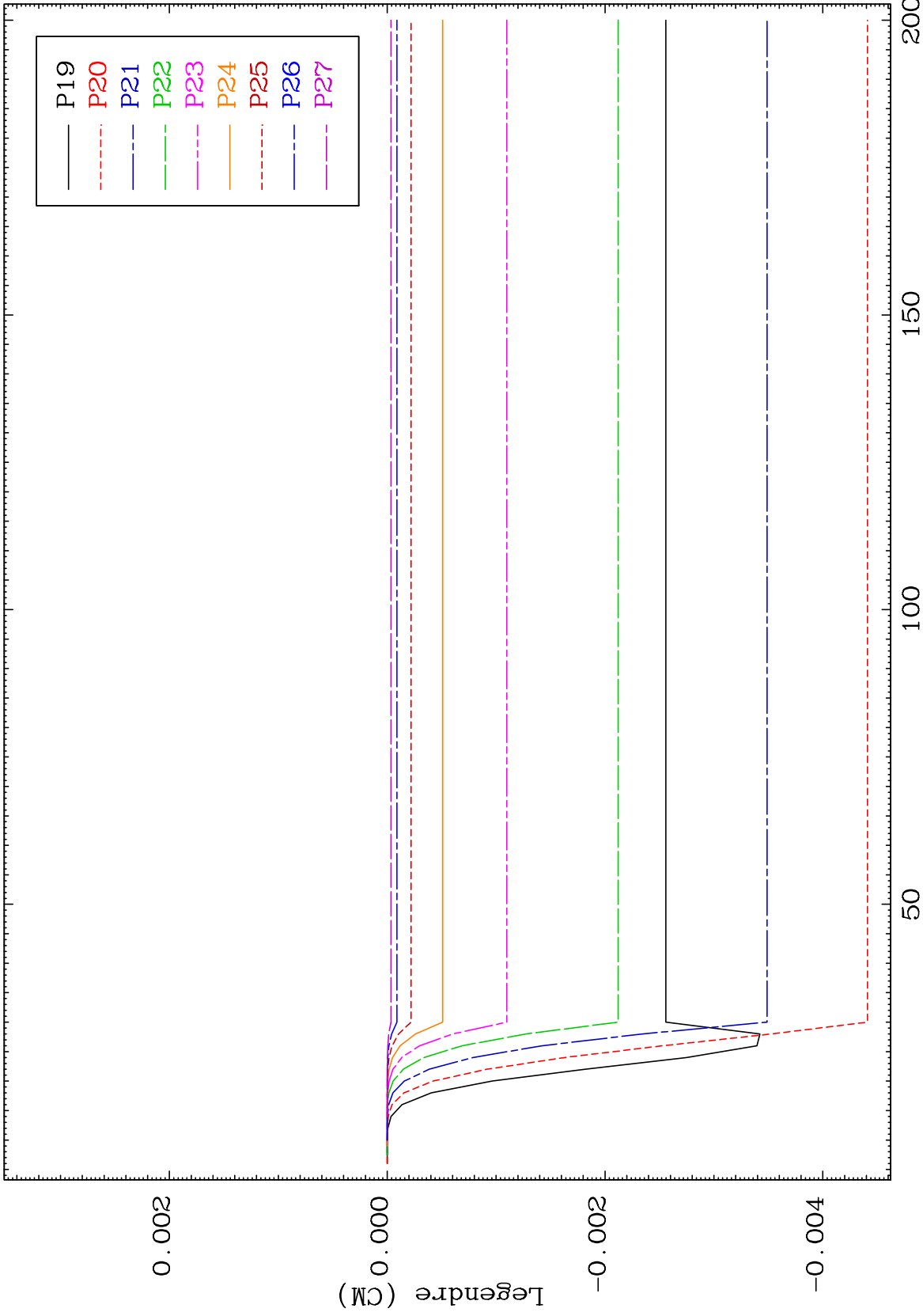
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



110

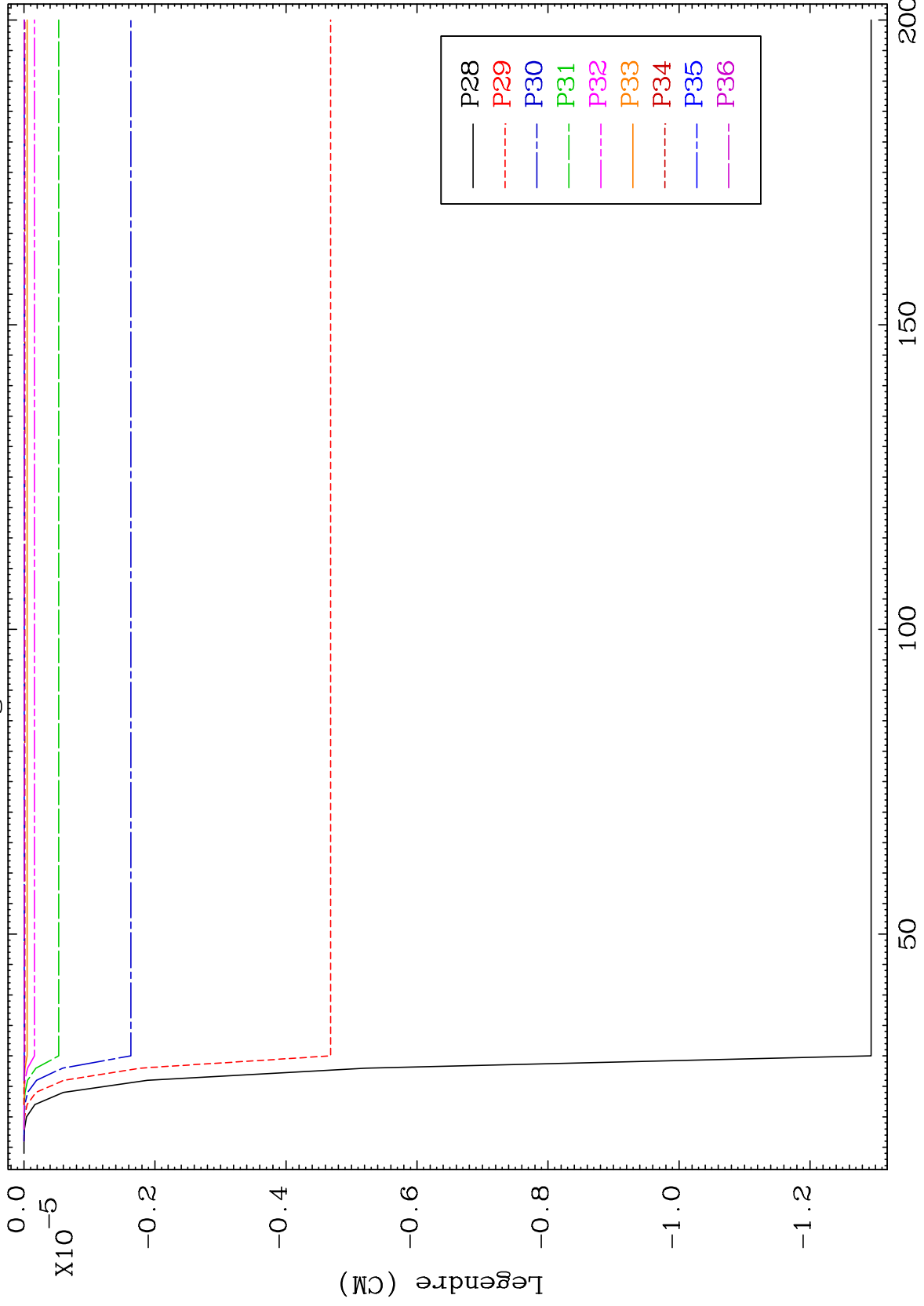
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



67-Ho-163

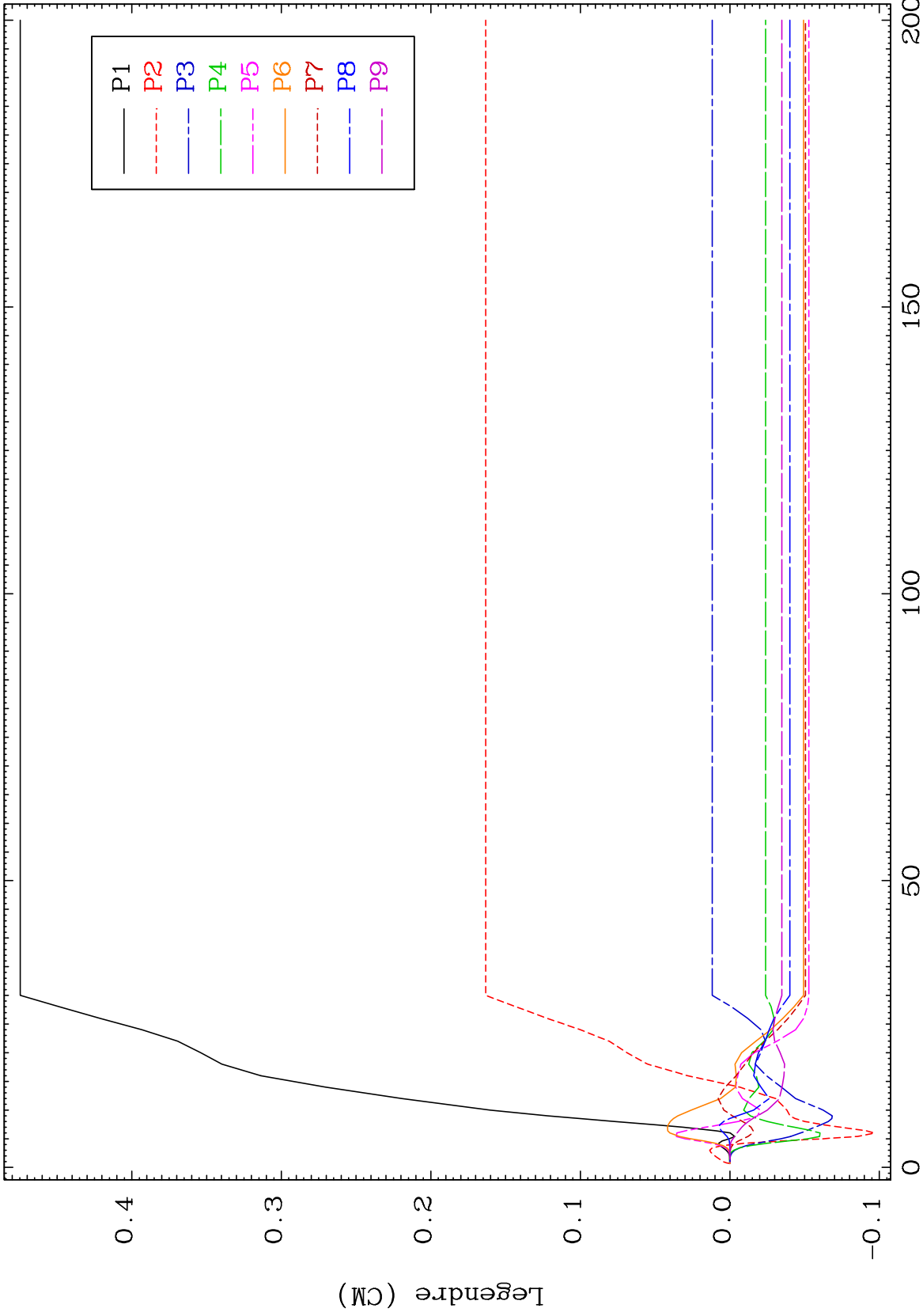
Incident Energy (MeV)

111

MAT 6719

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

67-Ho-163



112

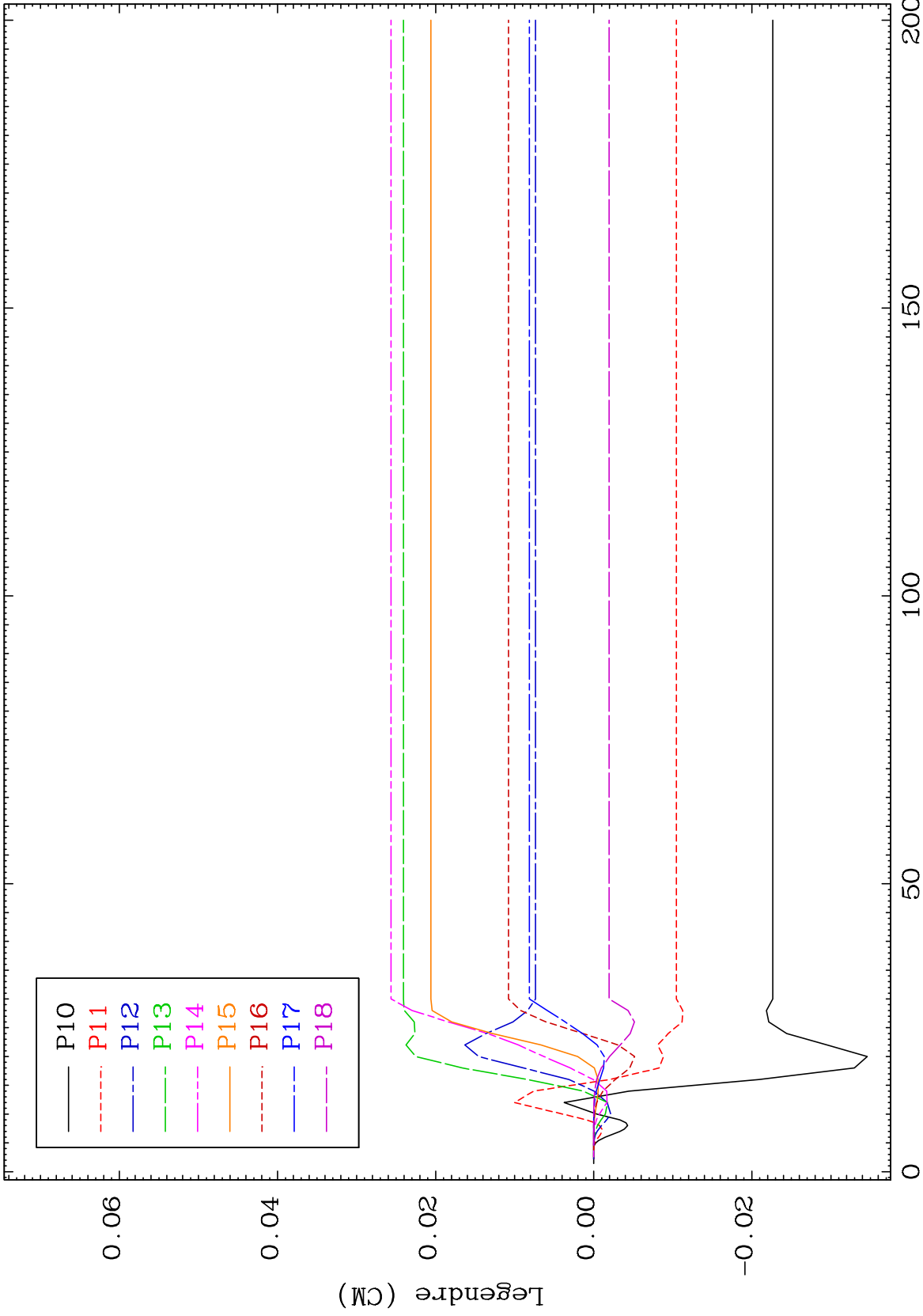
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



113

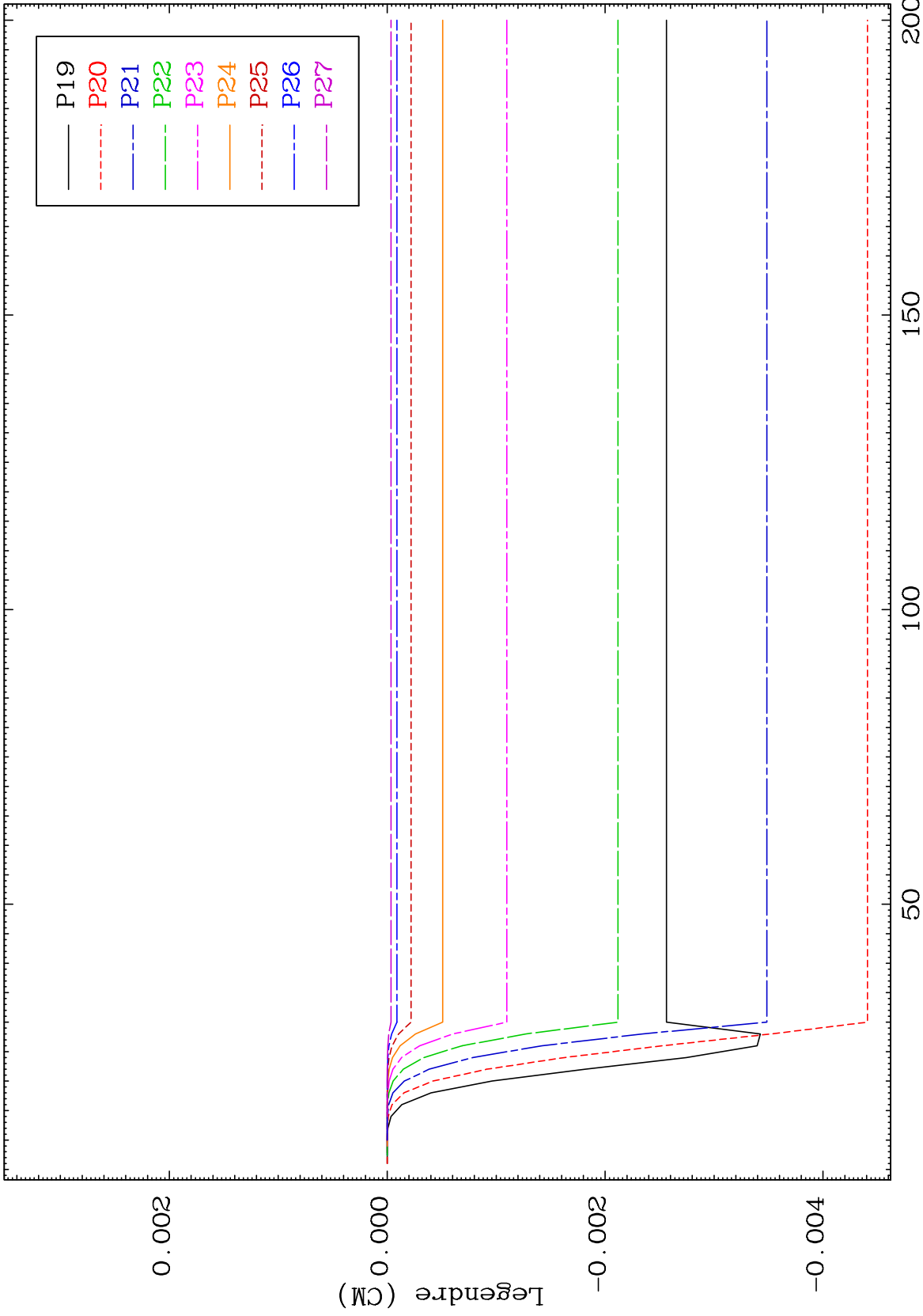
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



114

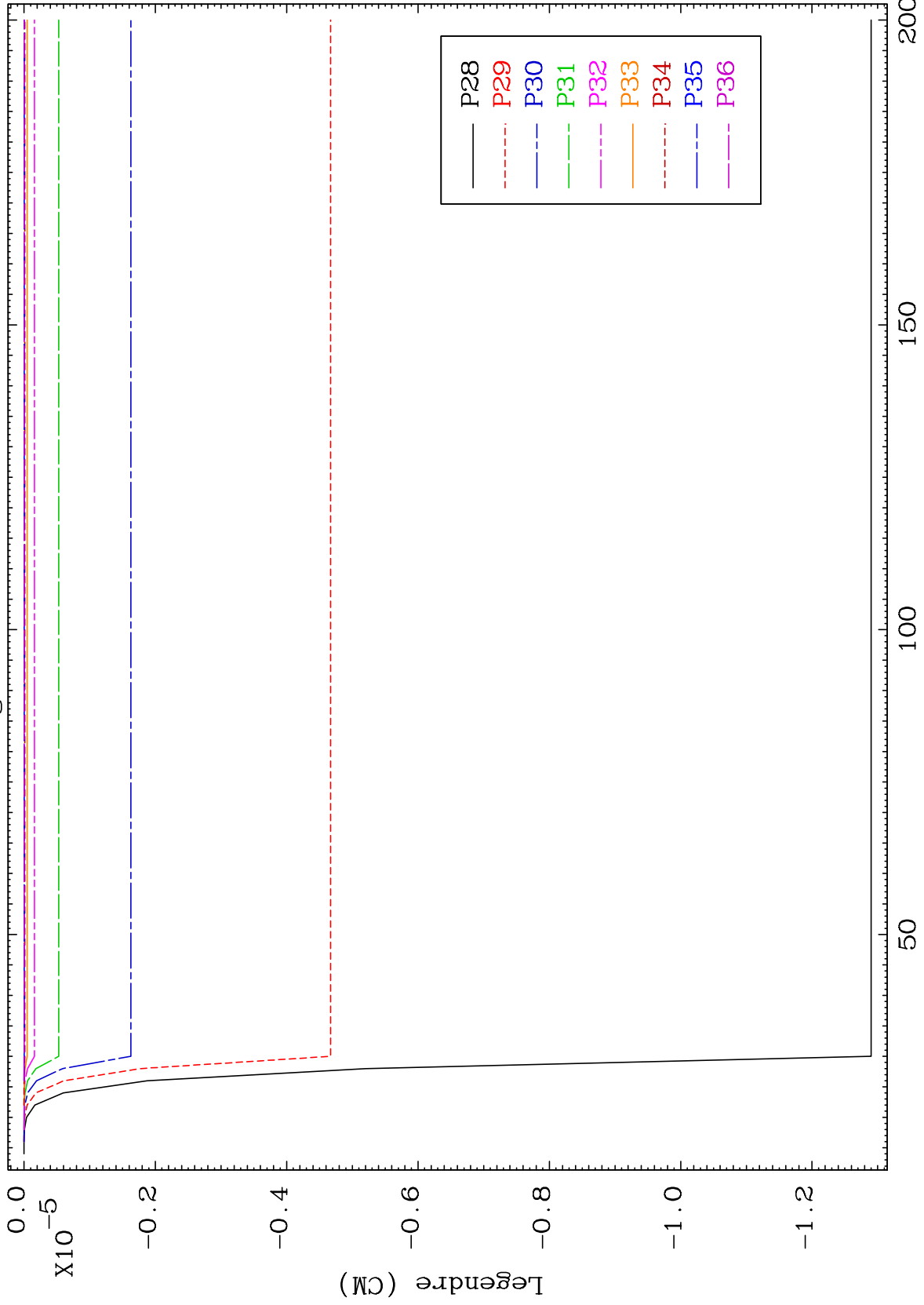
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



115

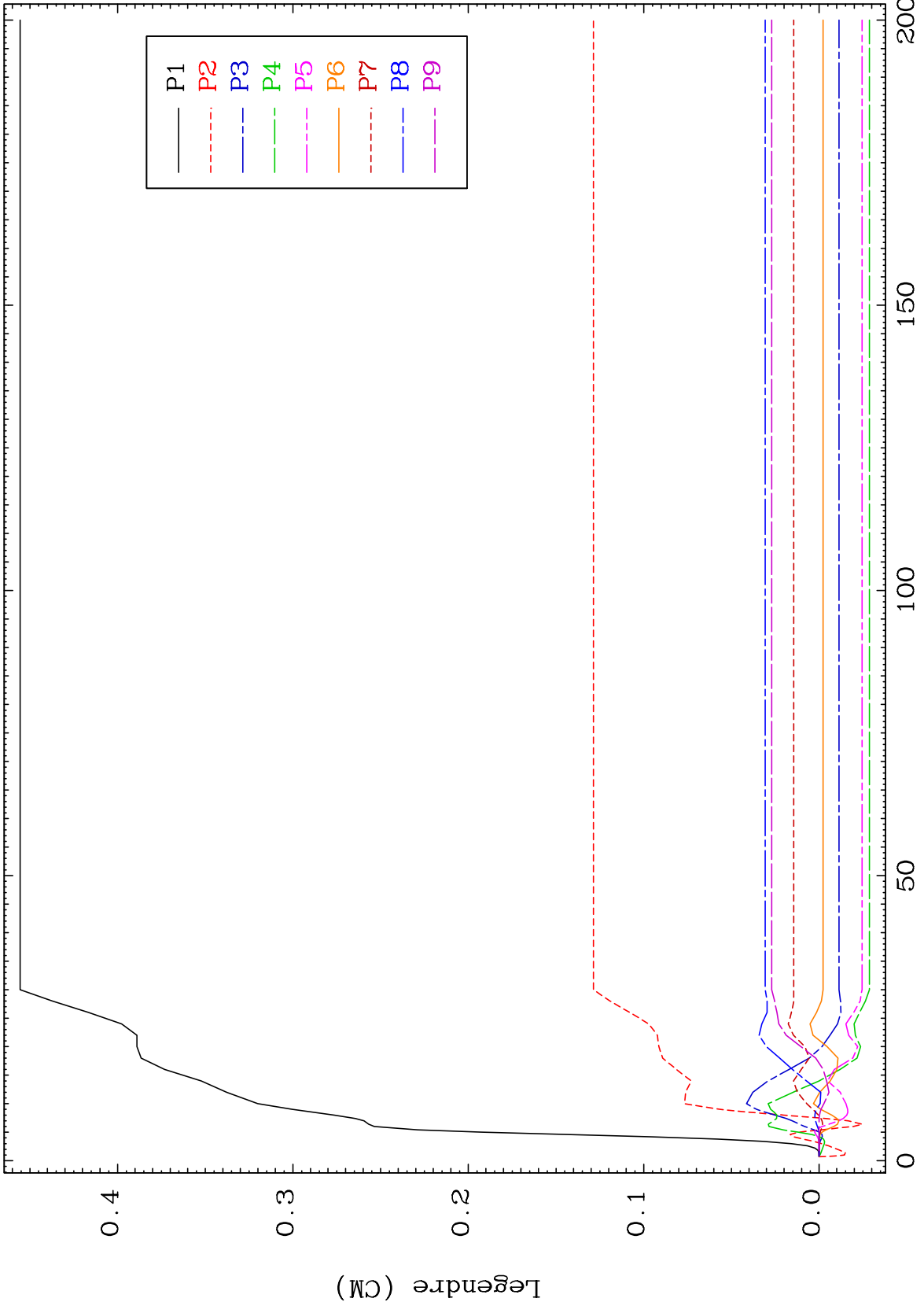
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



116

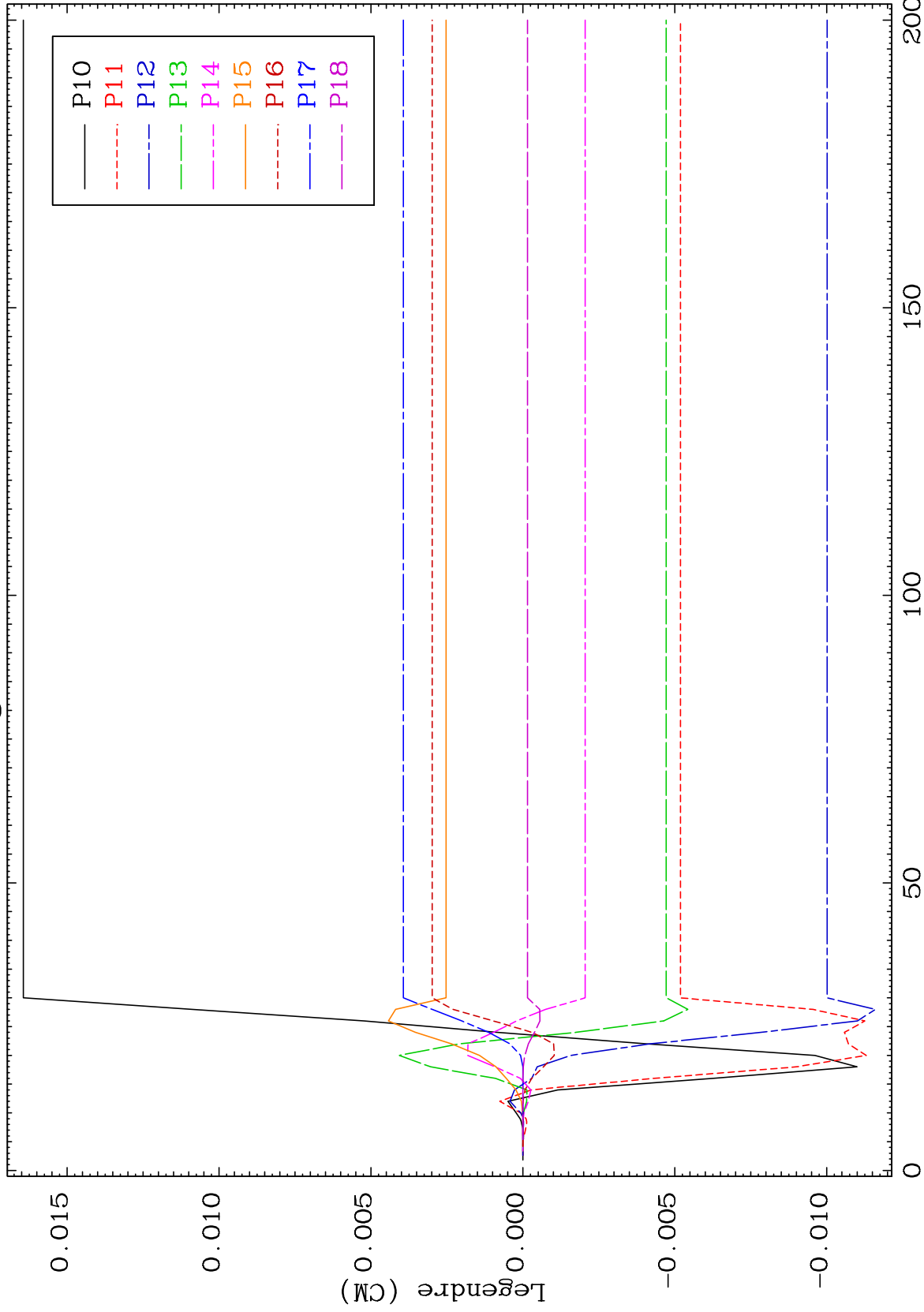
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

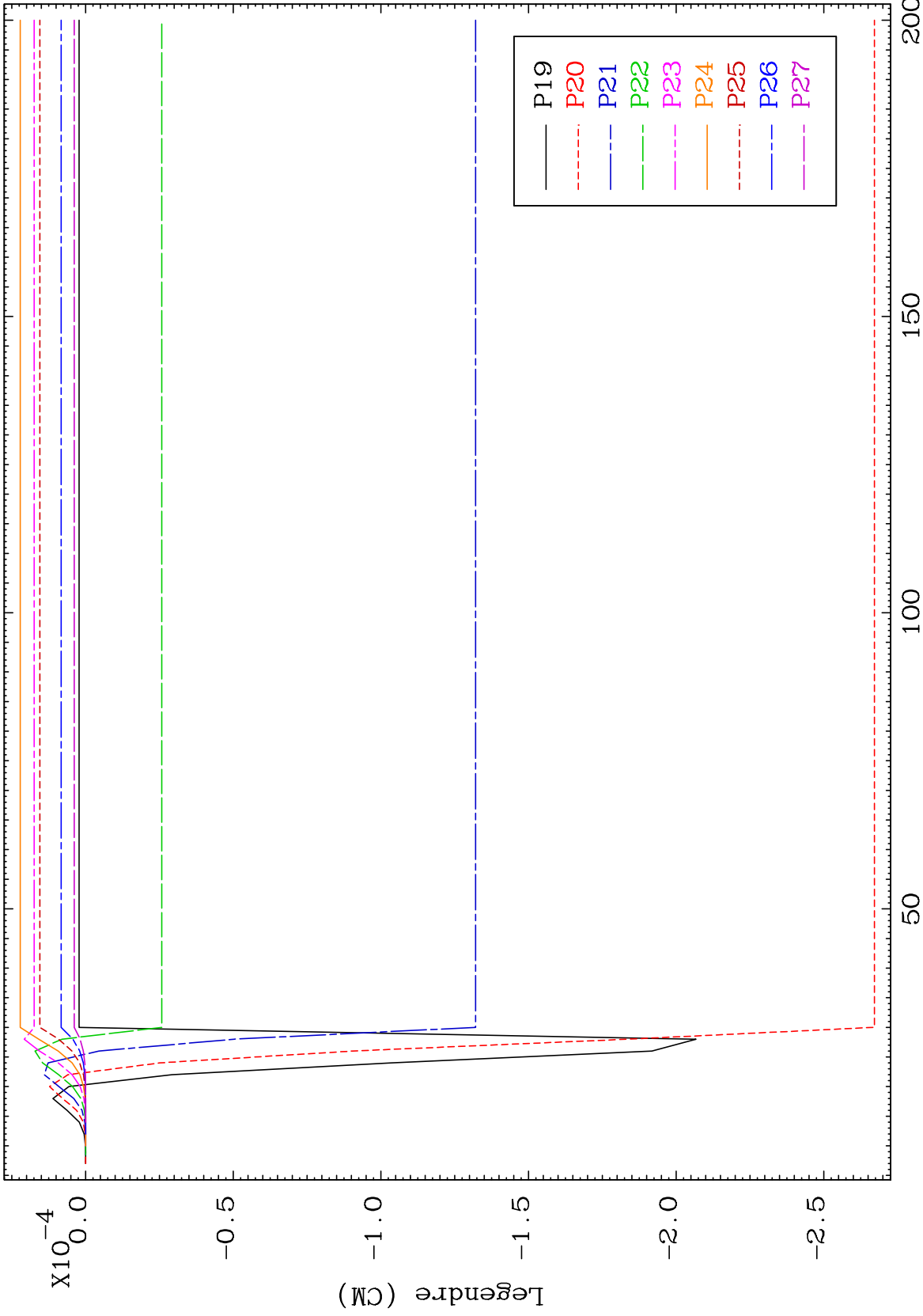
67-Ho-163



117

Incident Energy (MeV)

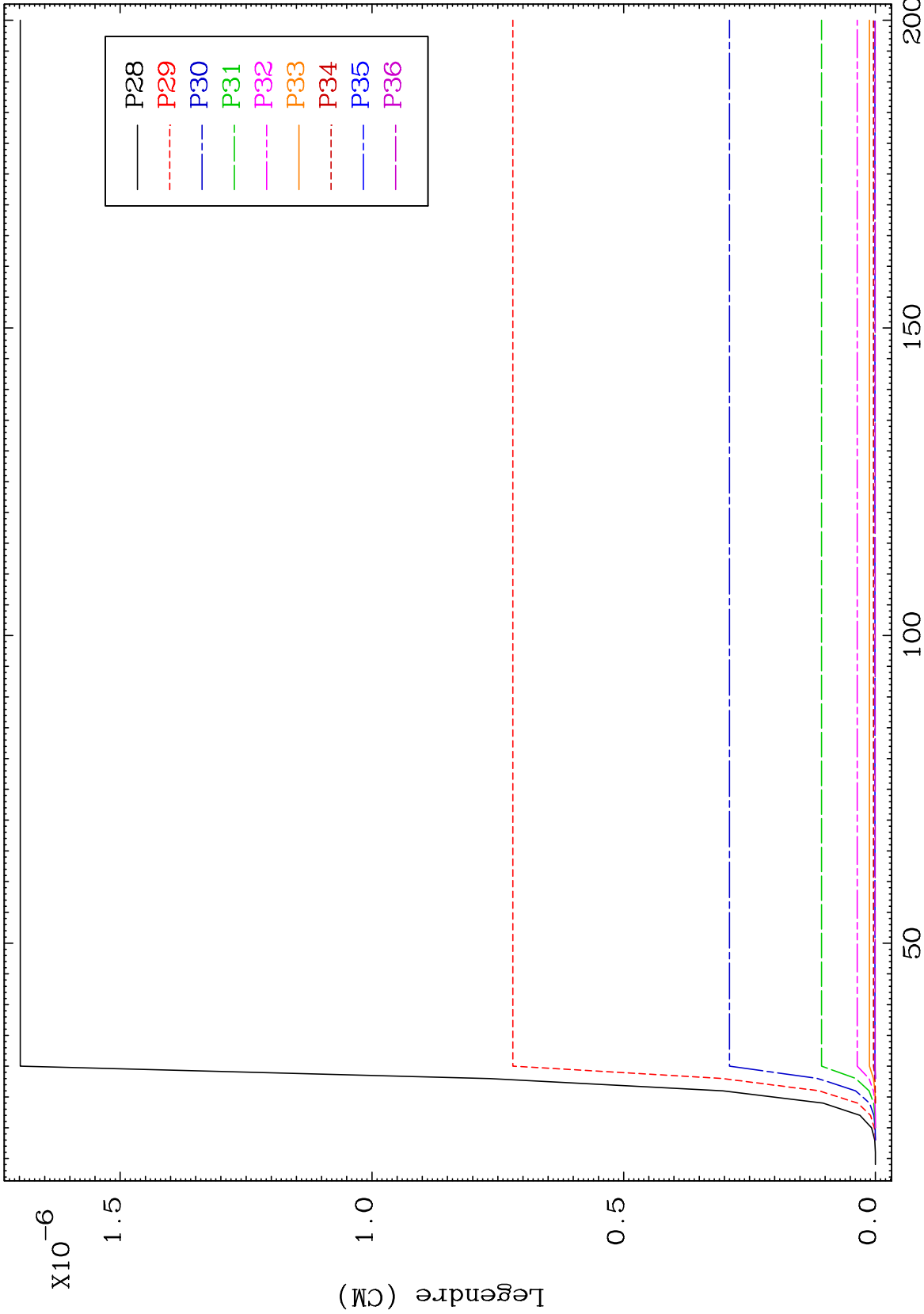
67-Ho-163



MAT 6719

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

67-Ho-163



119

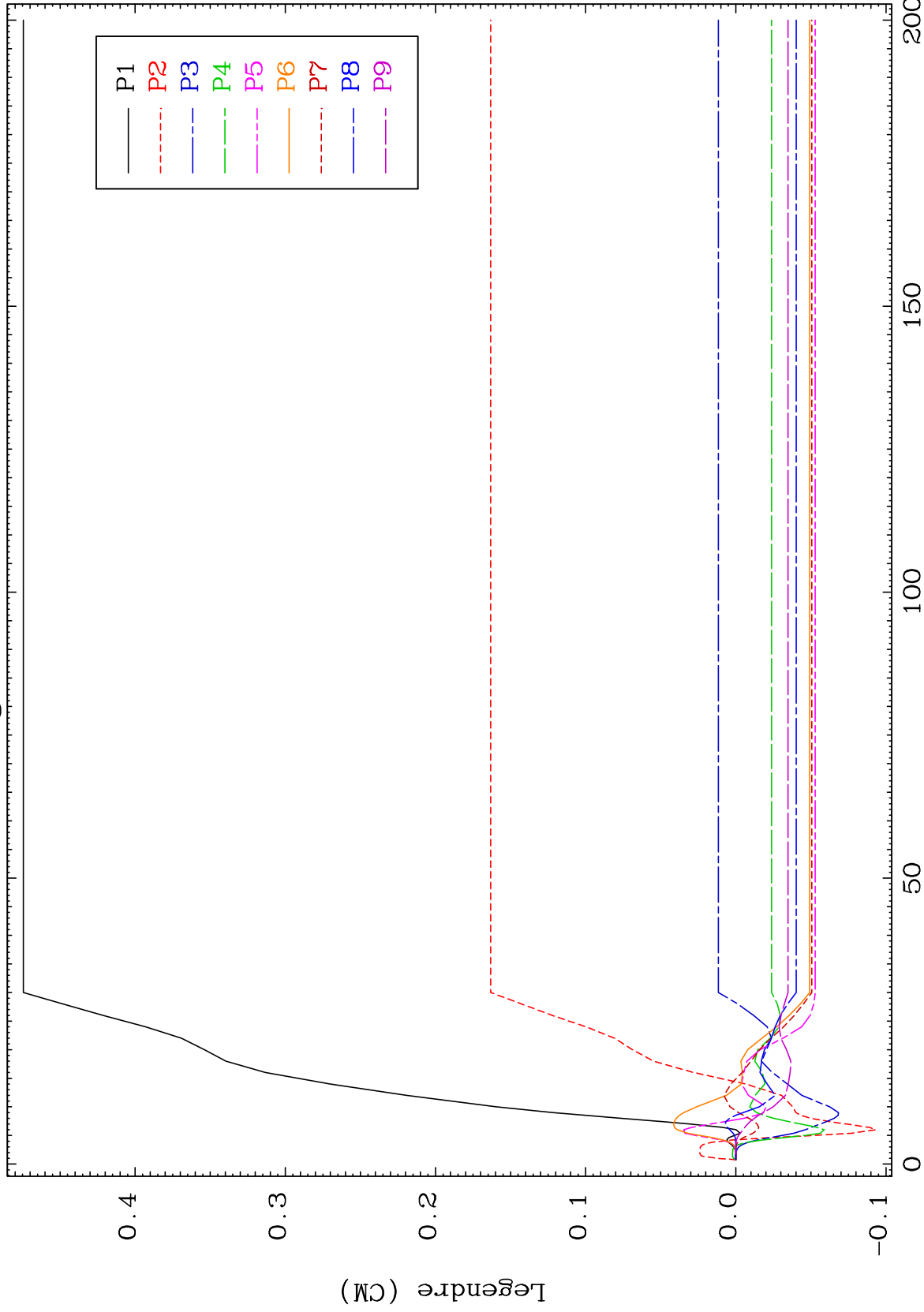
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



67-Ho-163

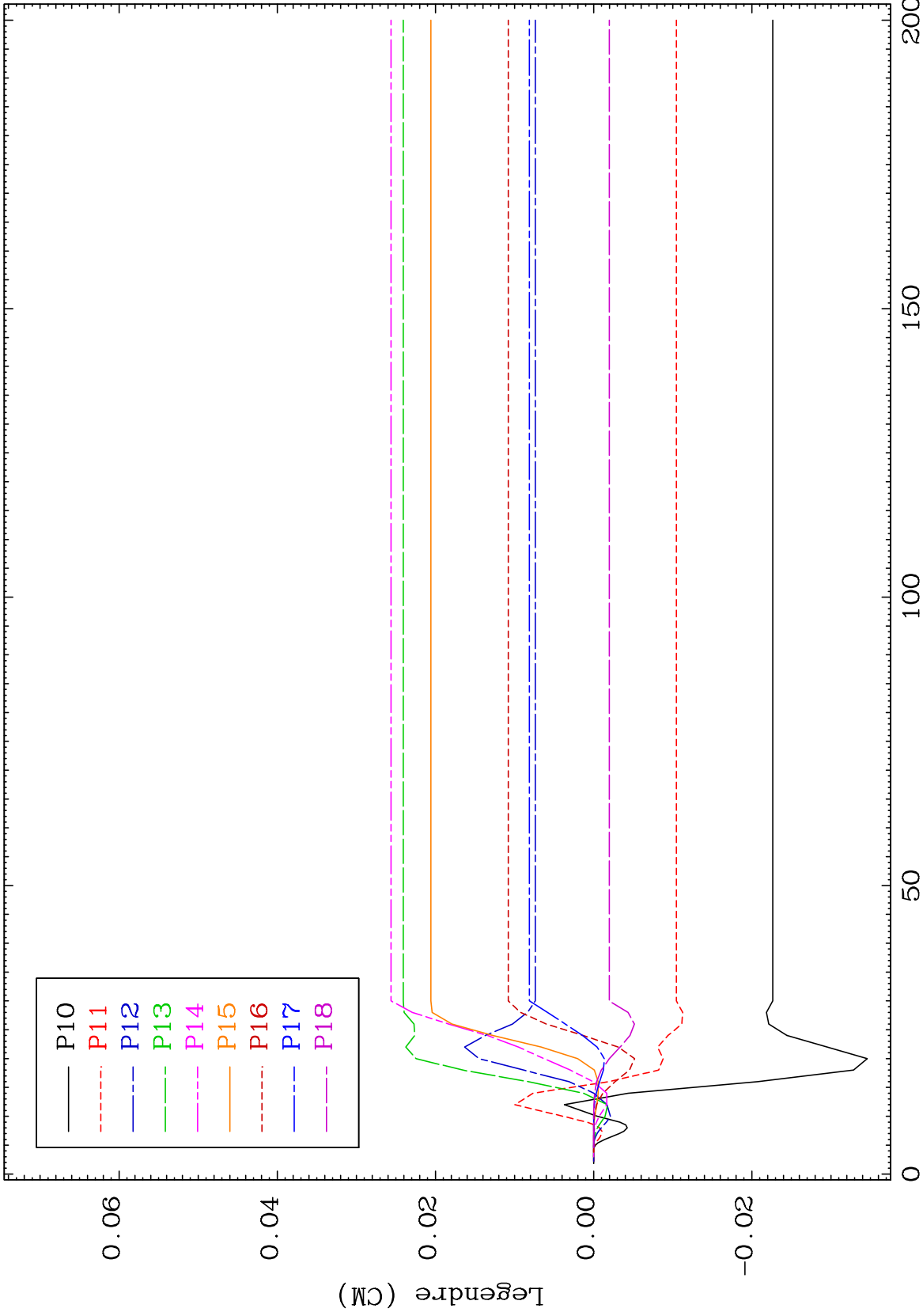
Incident Energy (MeV)

120

MAT 6719

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

67-Ho-163



121

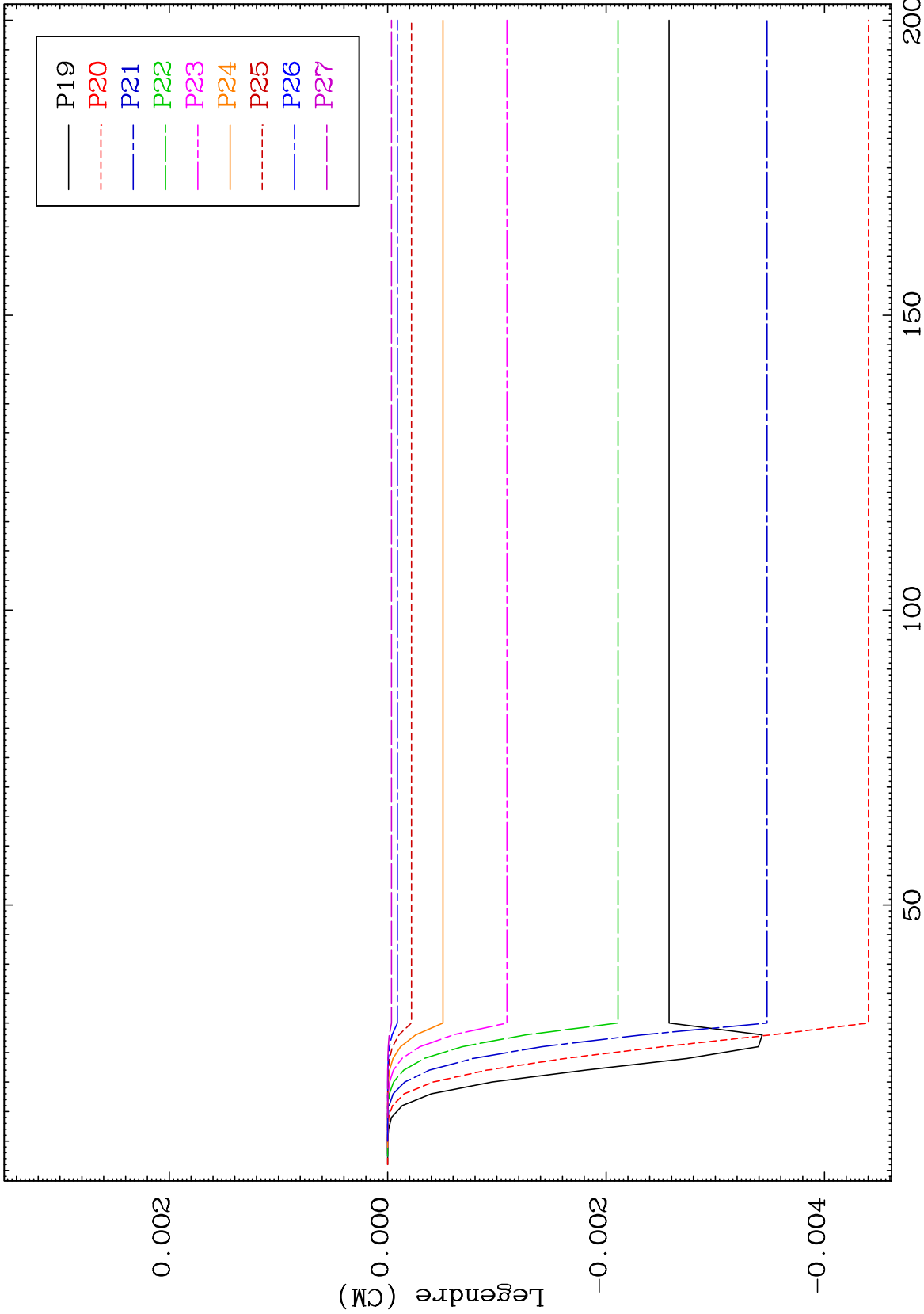
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

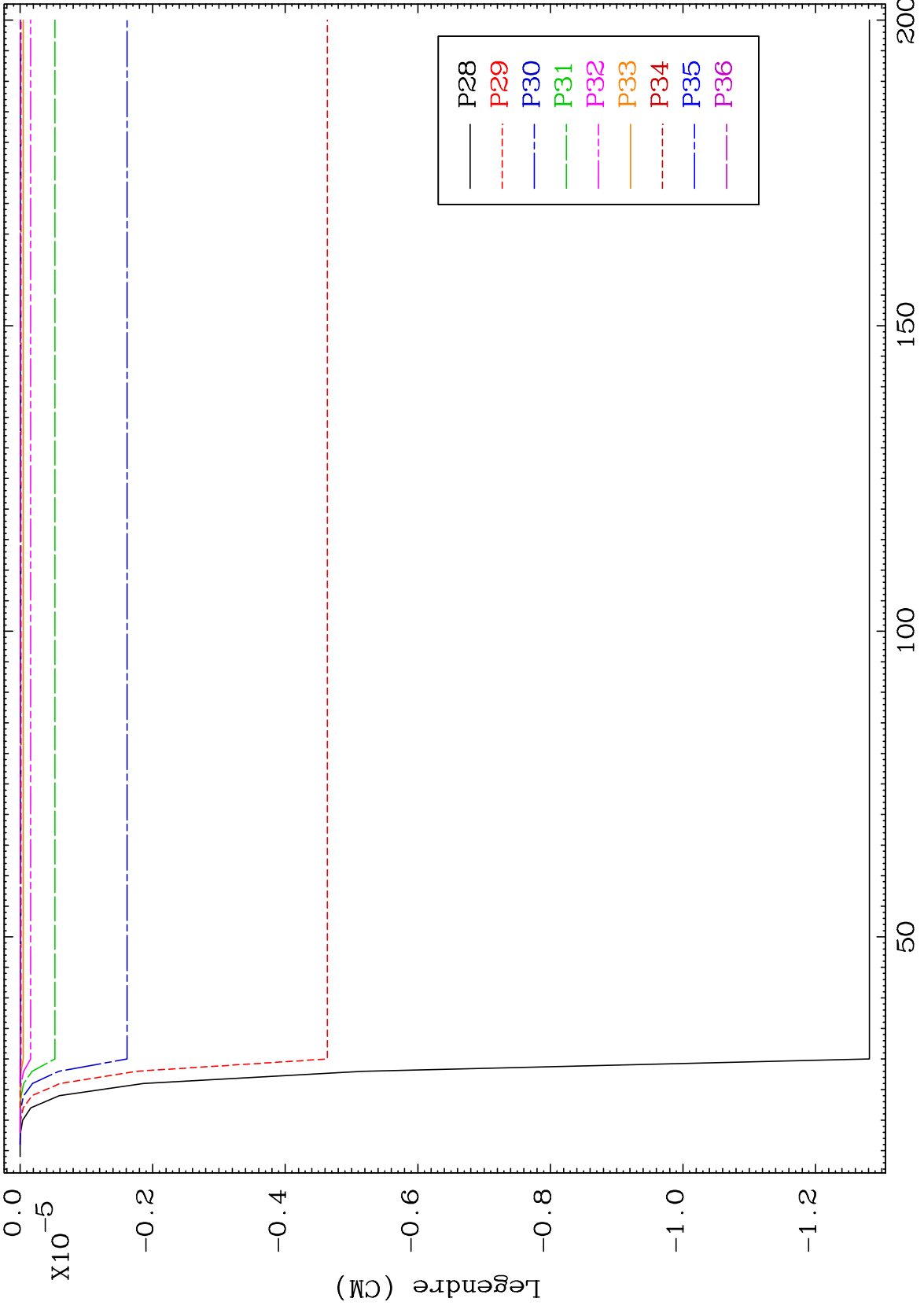
67-Ho-163



122

Incident Energy (MeV)

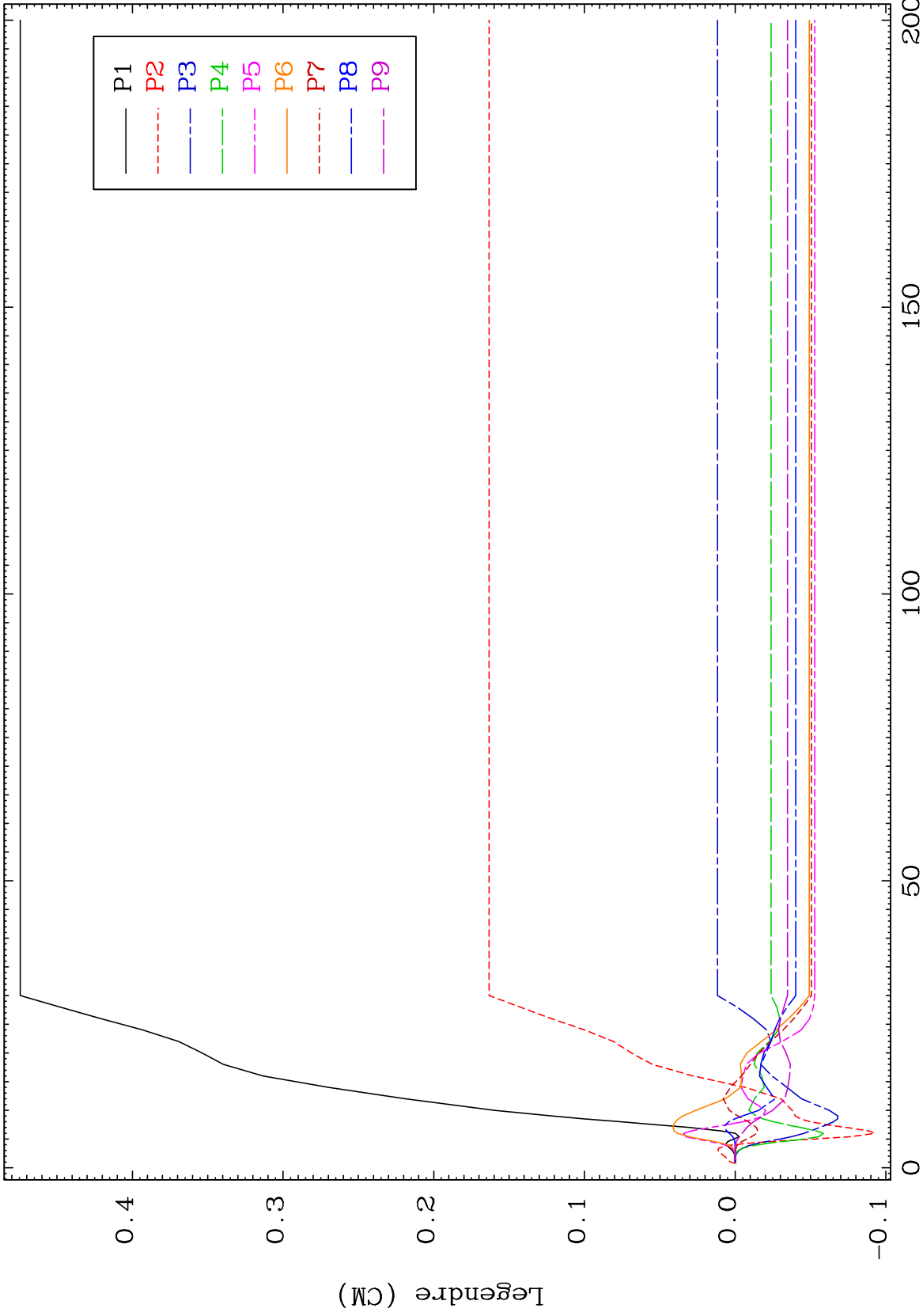
67-Ho-163



MAT 6719

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

67-Ho-163



67-Ho-163

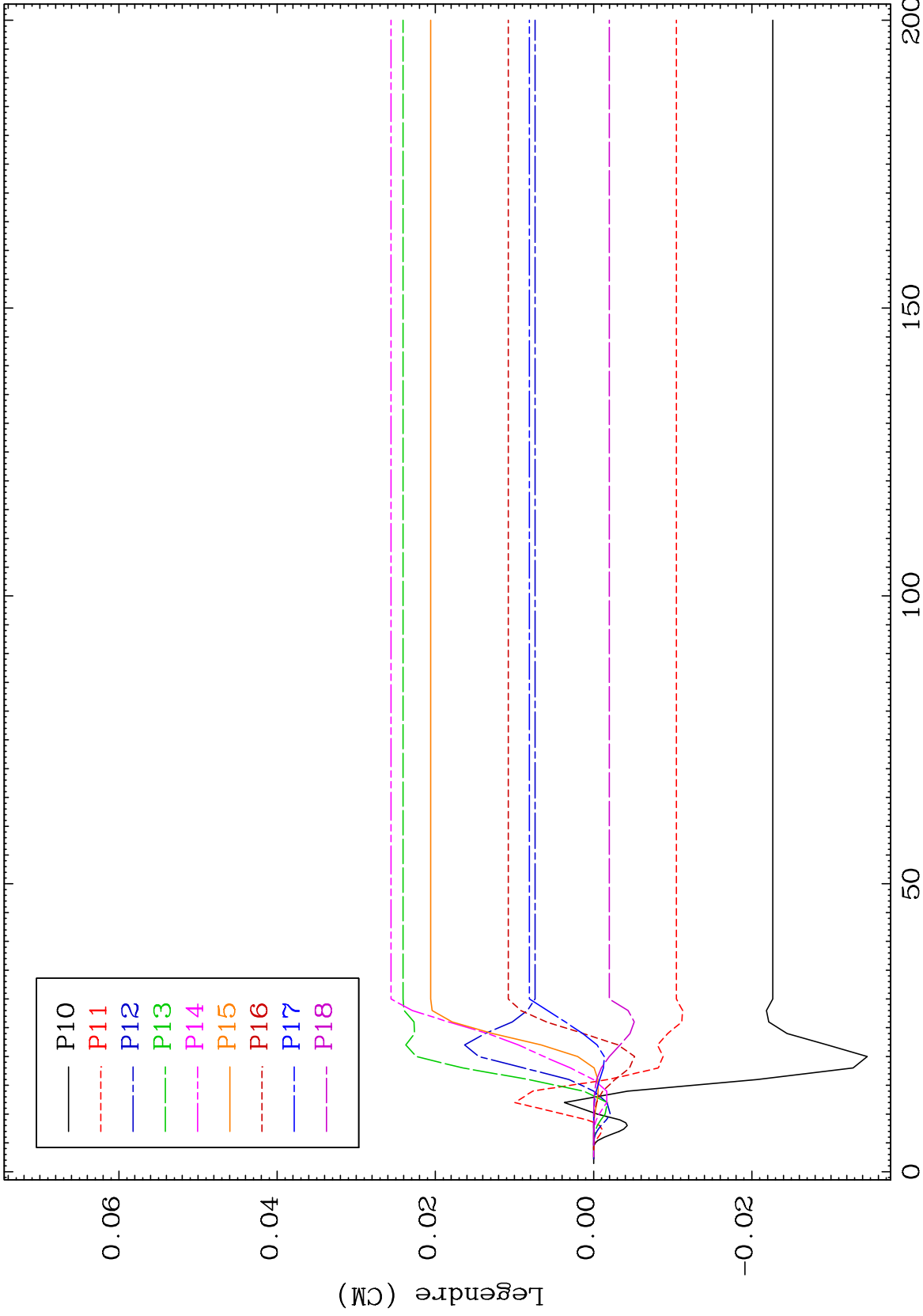
Incident Energy (MeV)

124

MAT 6719

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

67-Ho-163



125

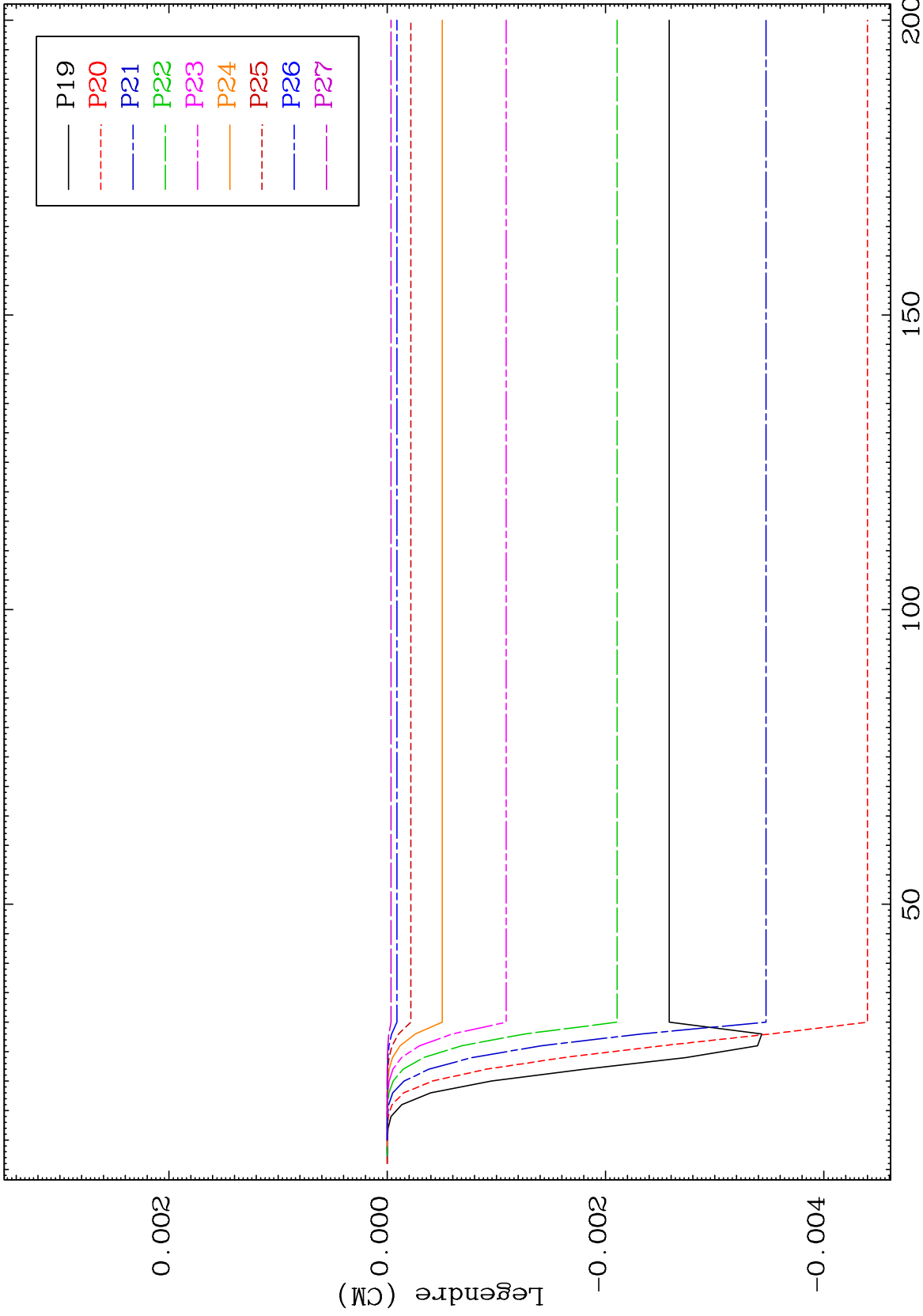
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



126

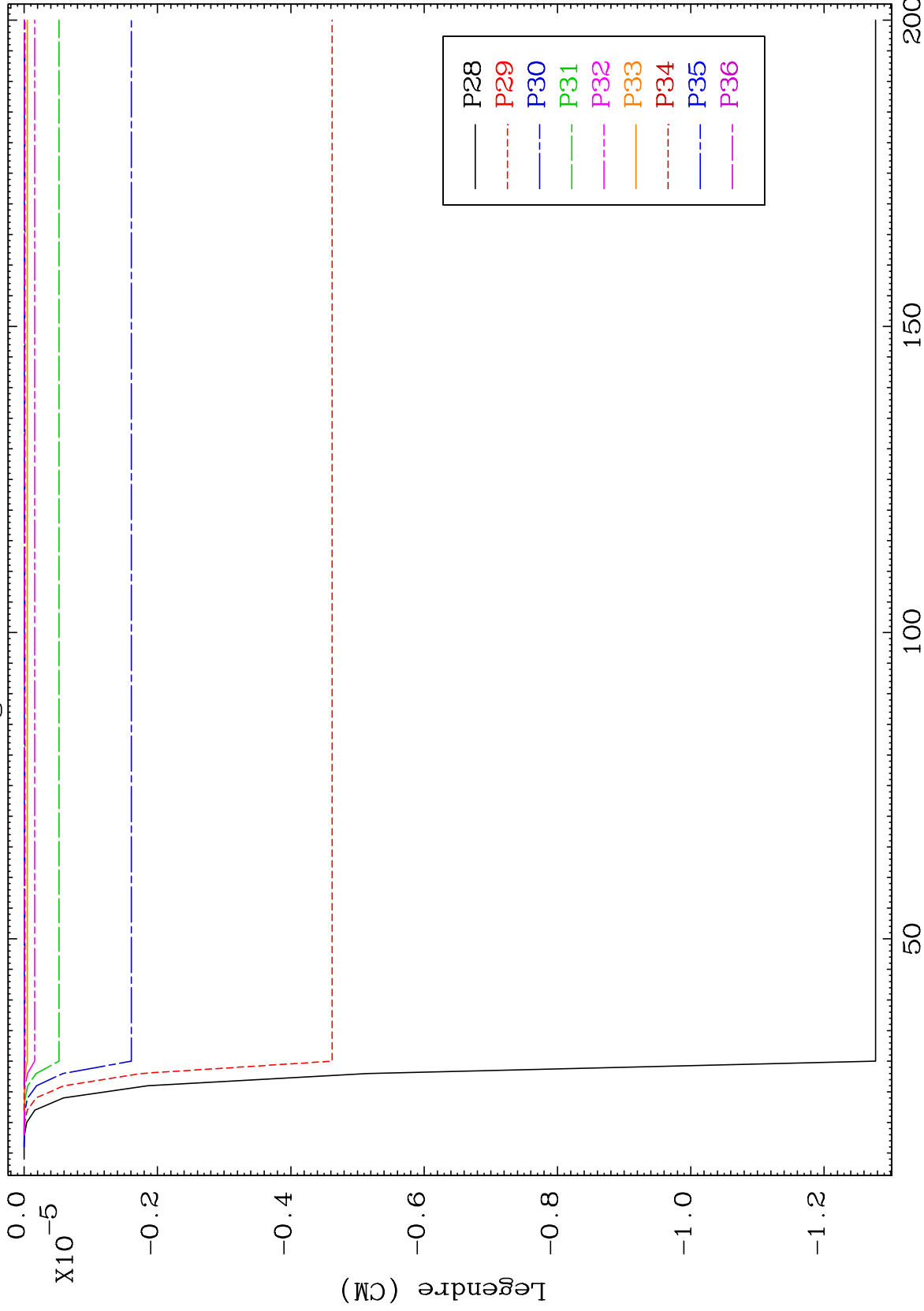
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



67-Ho-163

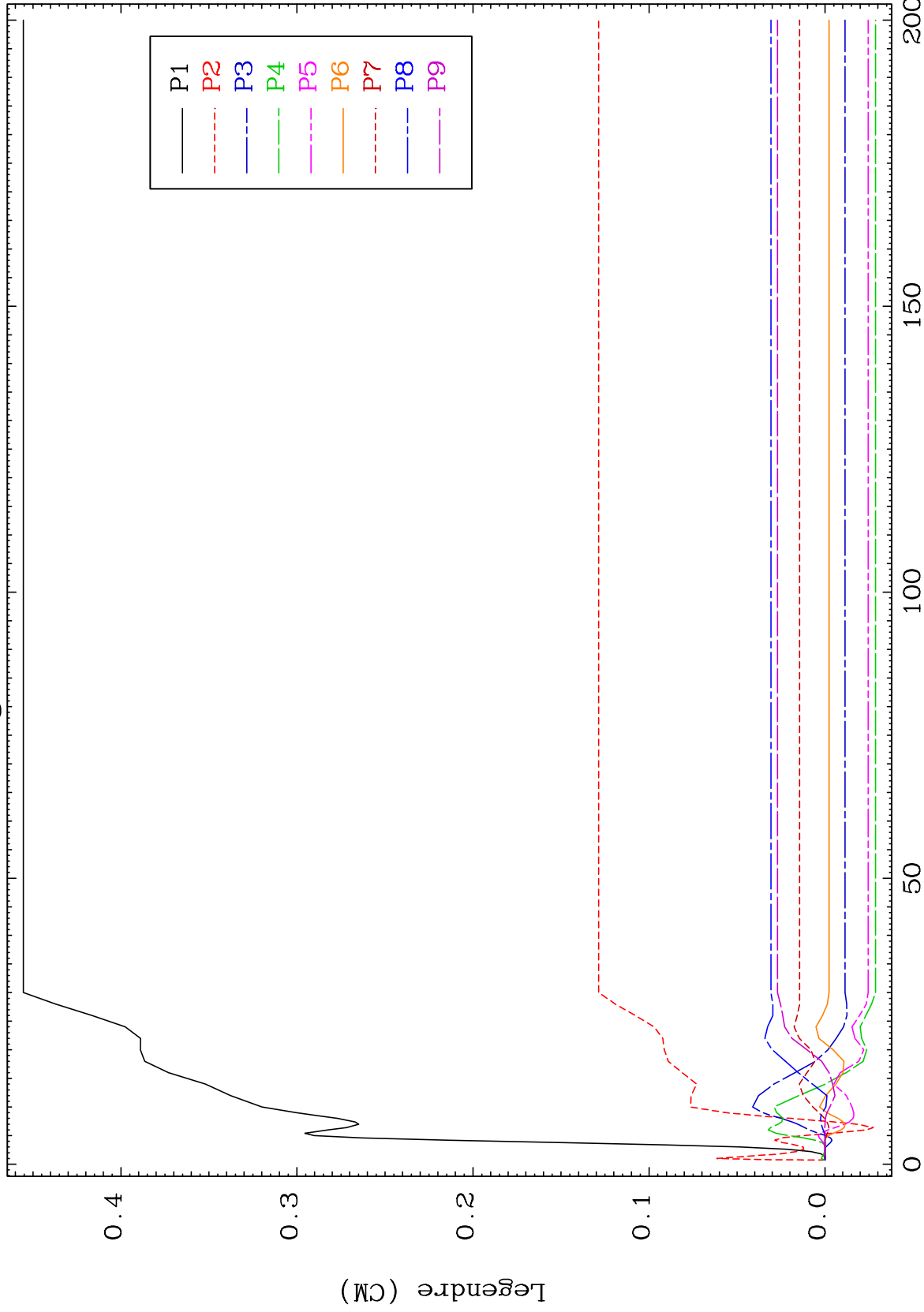
Incident Energy (MeV)

127

MAT 6719

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

67-Ho-163



128

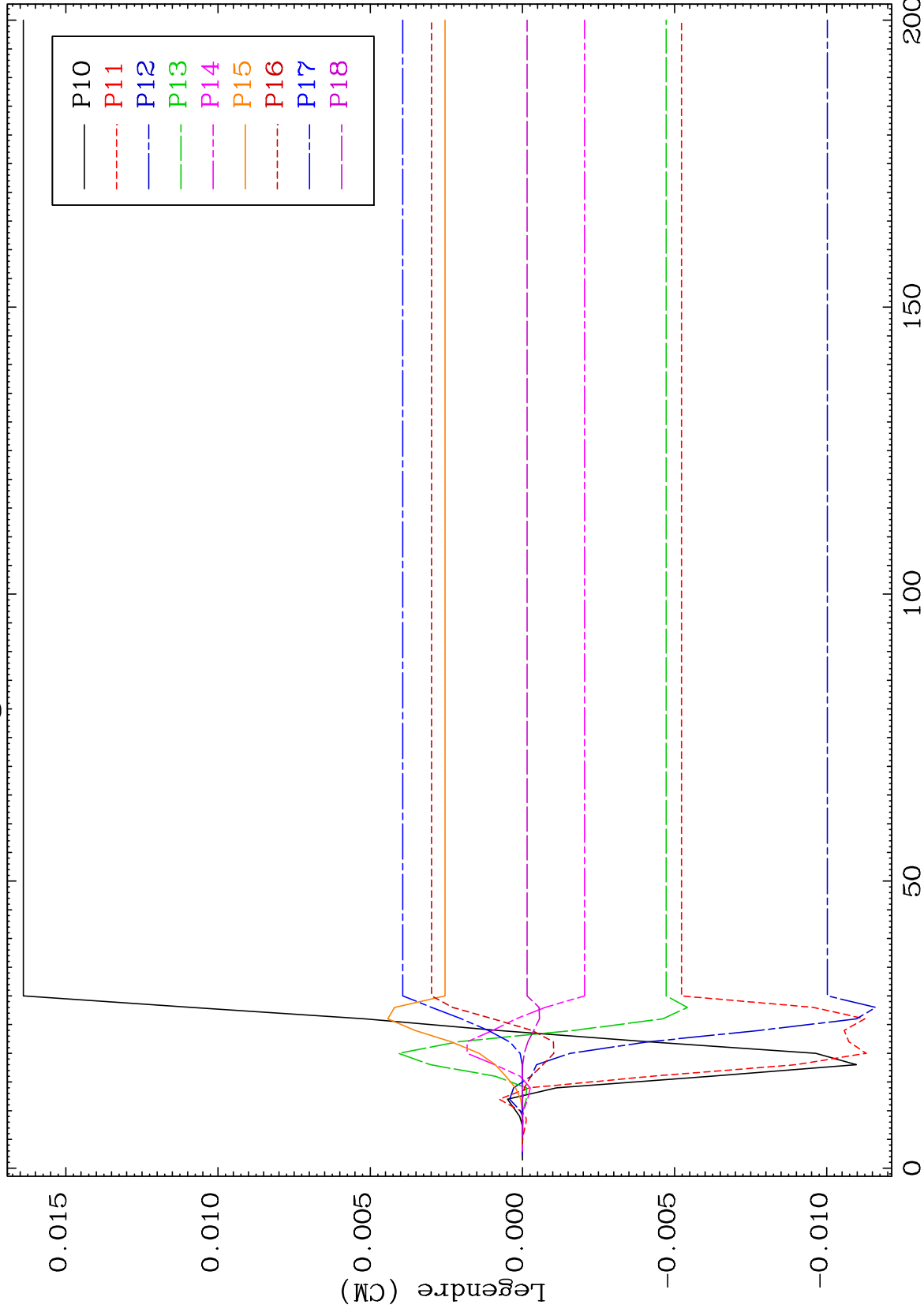
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



129

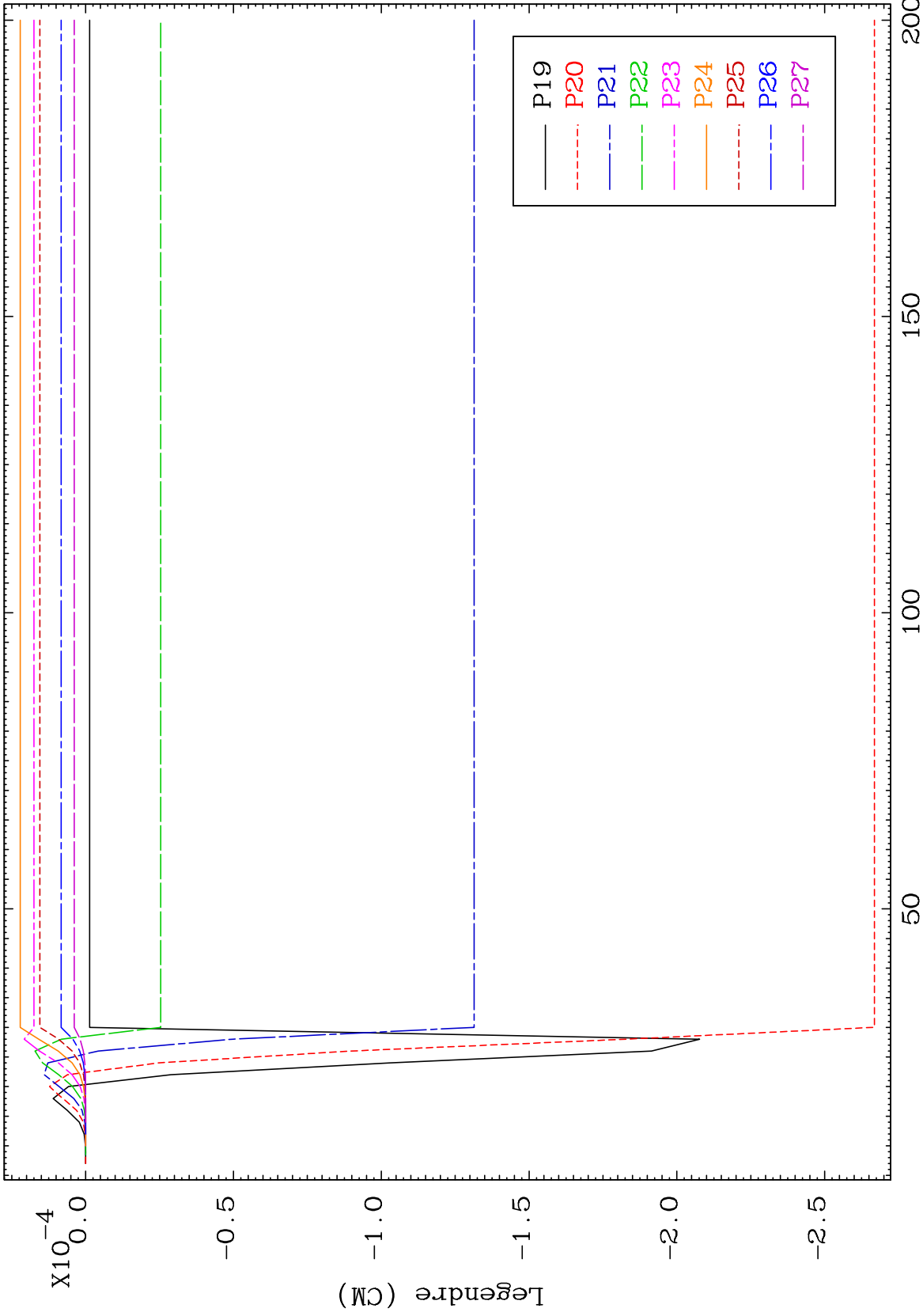
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



130

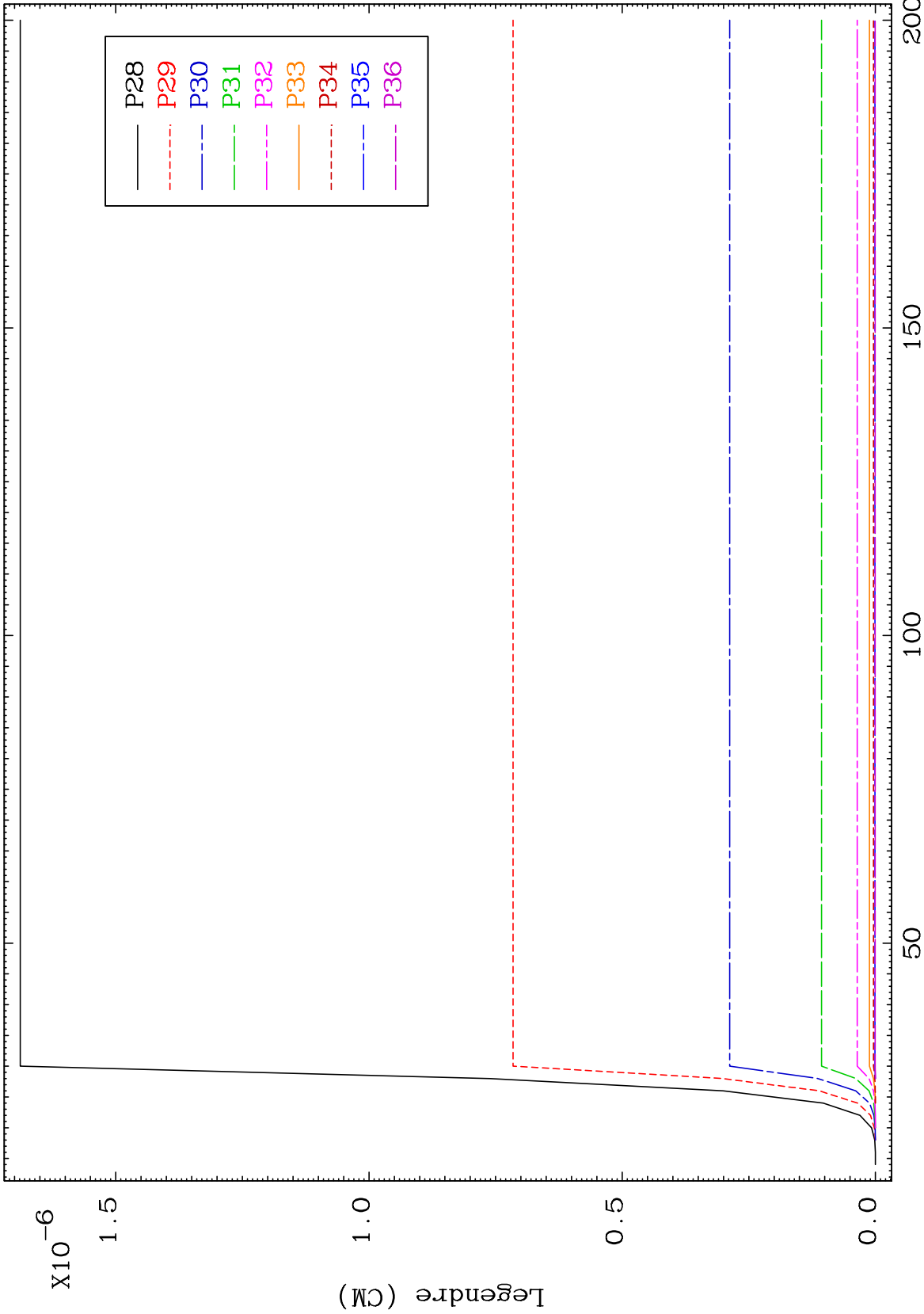
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



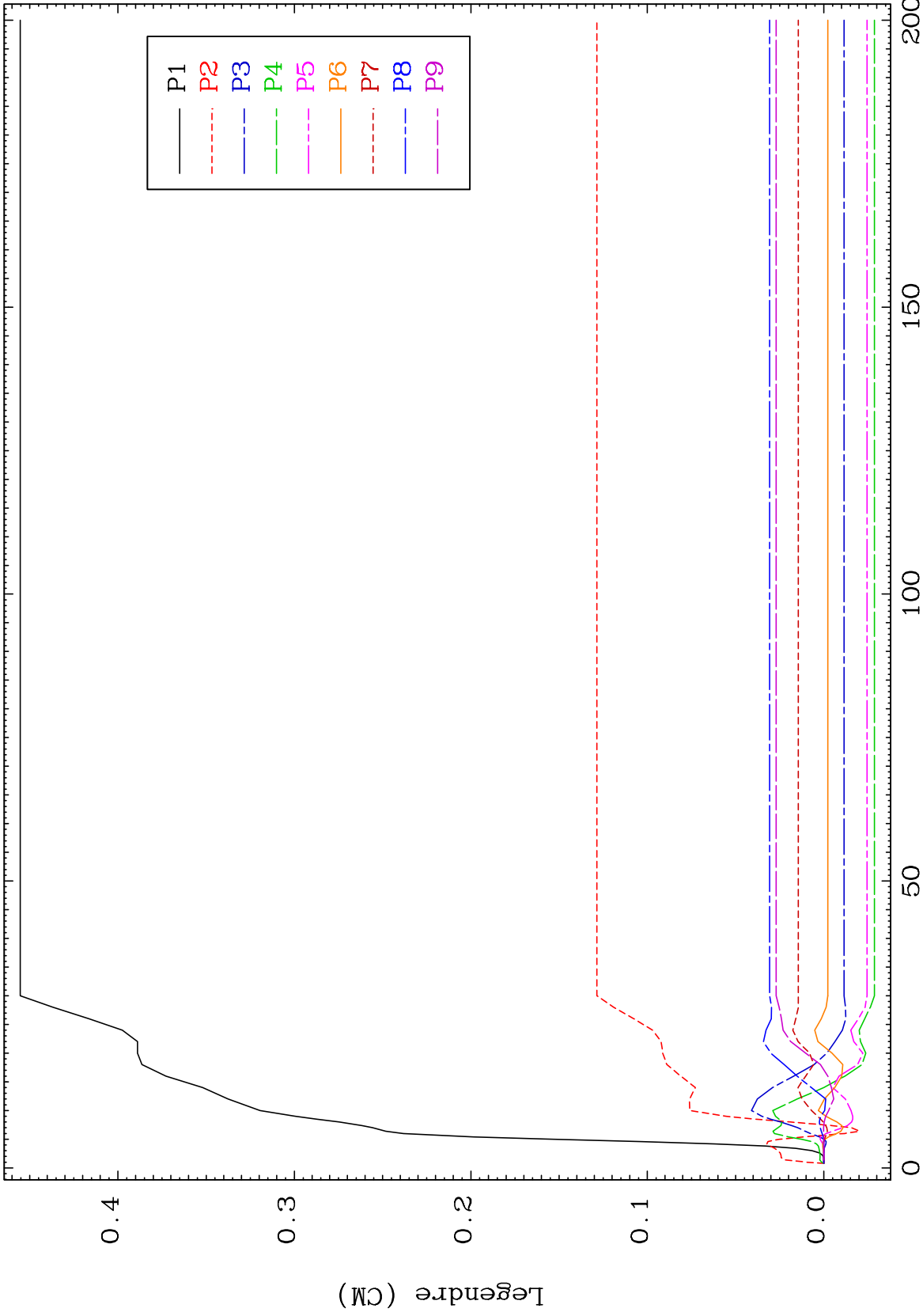
131

67-Ho-163

MAT 6719

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

67-Ho-163



132

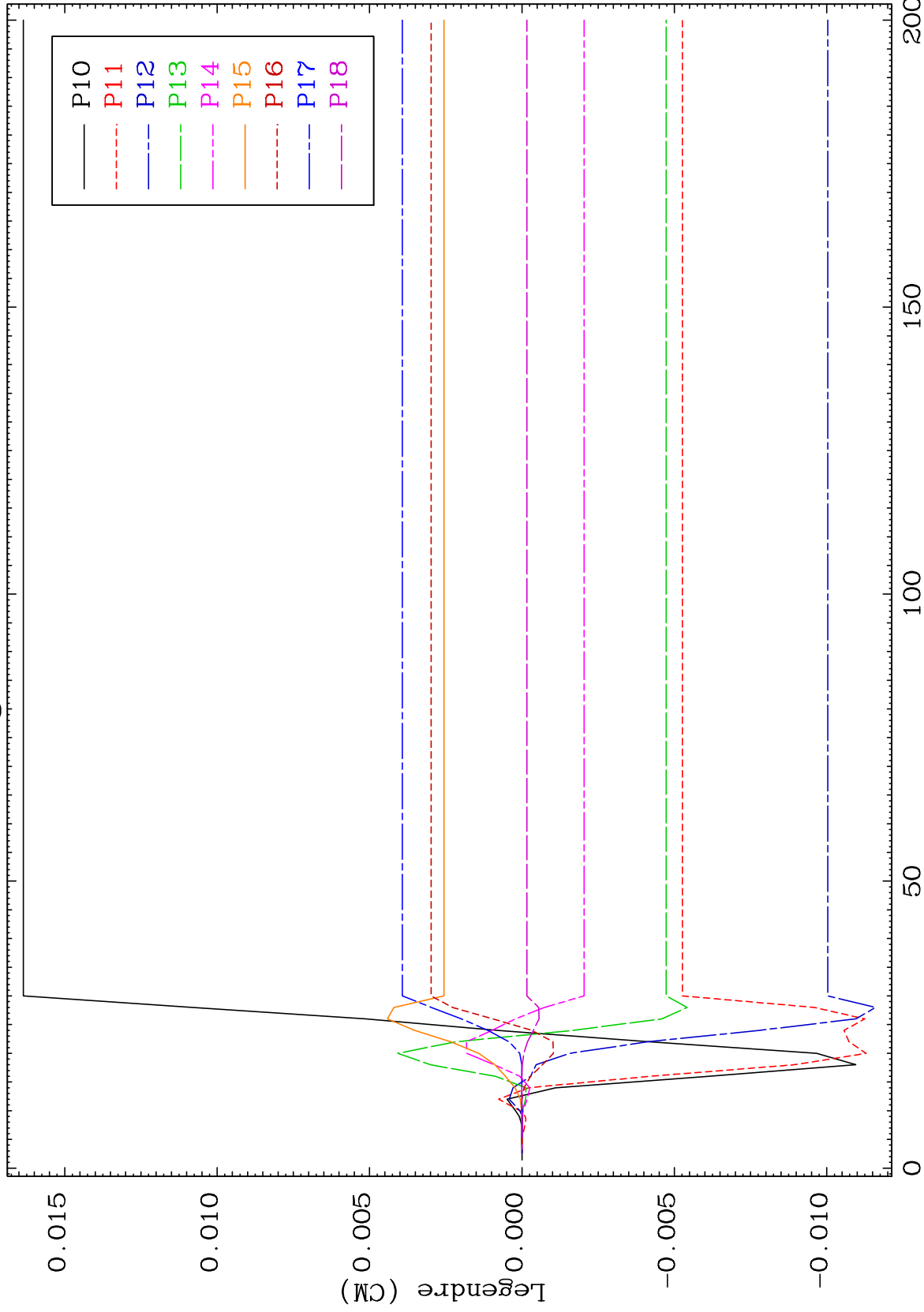
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



133

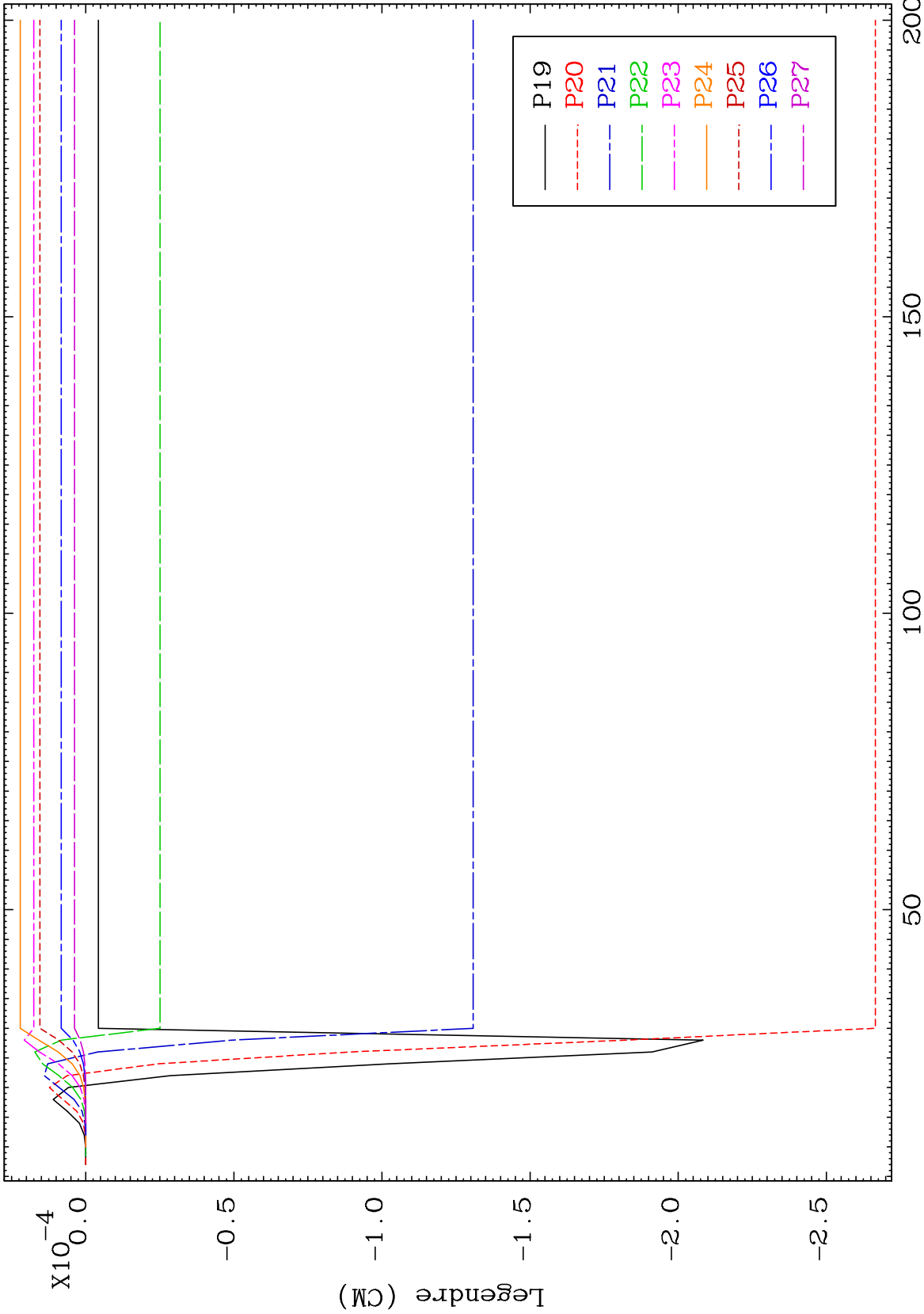
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



134

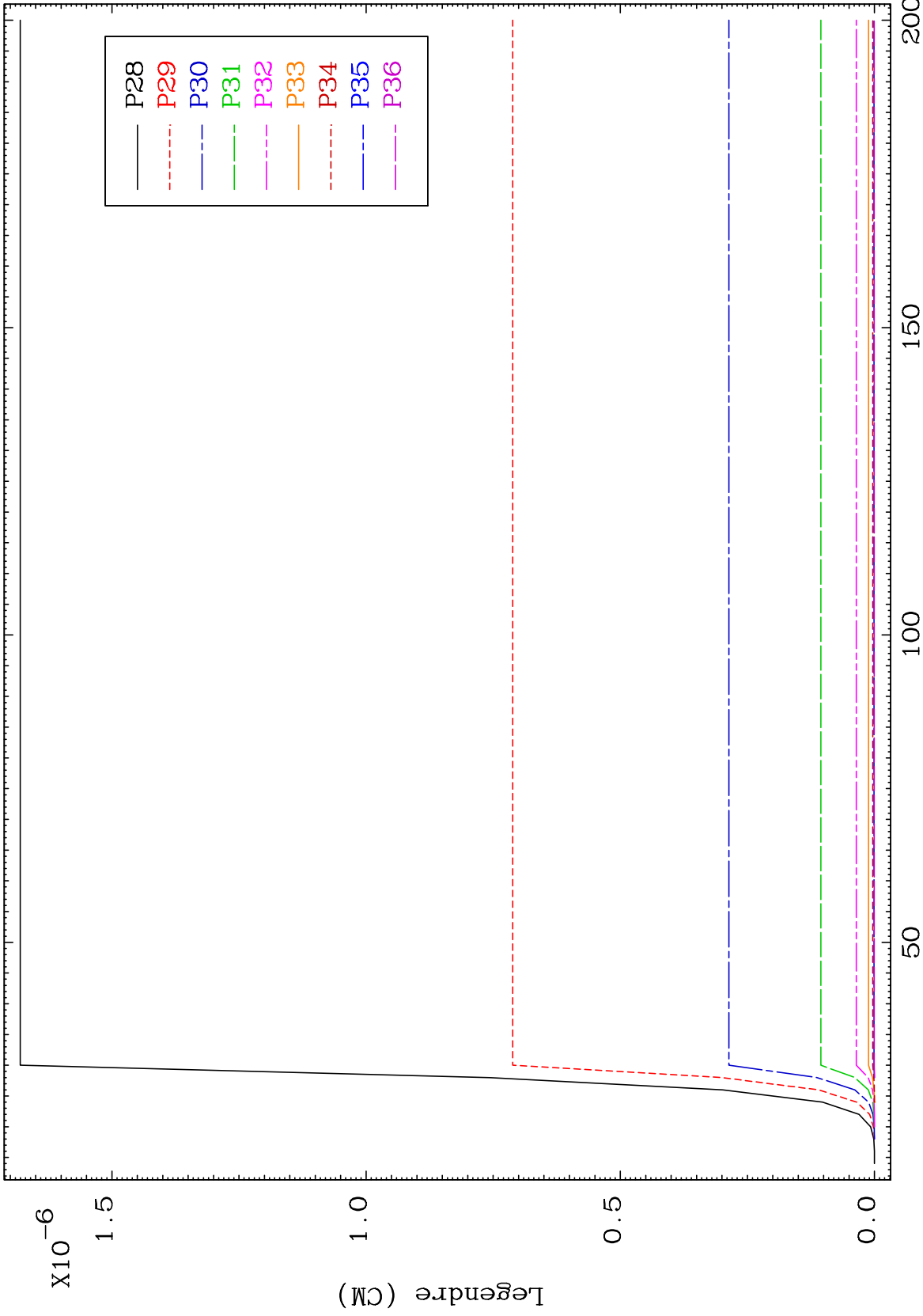
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



135

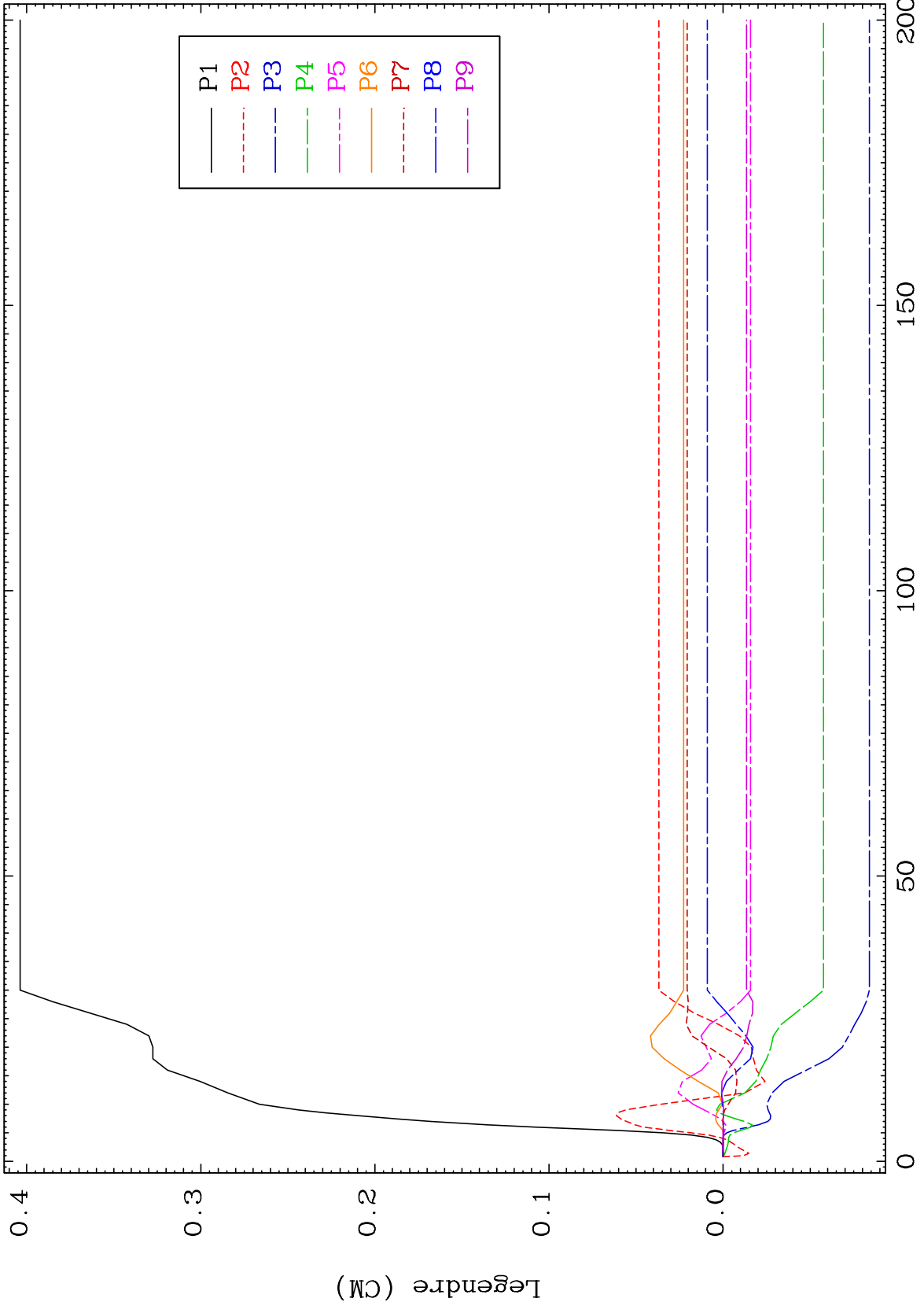
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

67-Ho-163



136

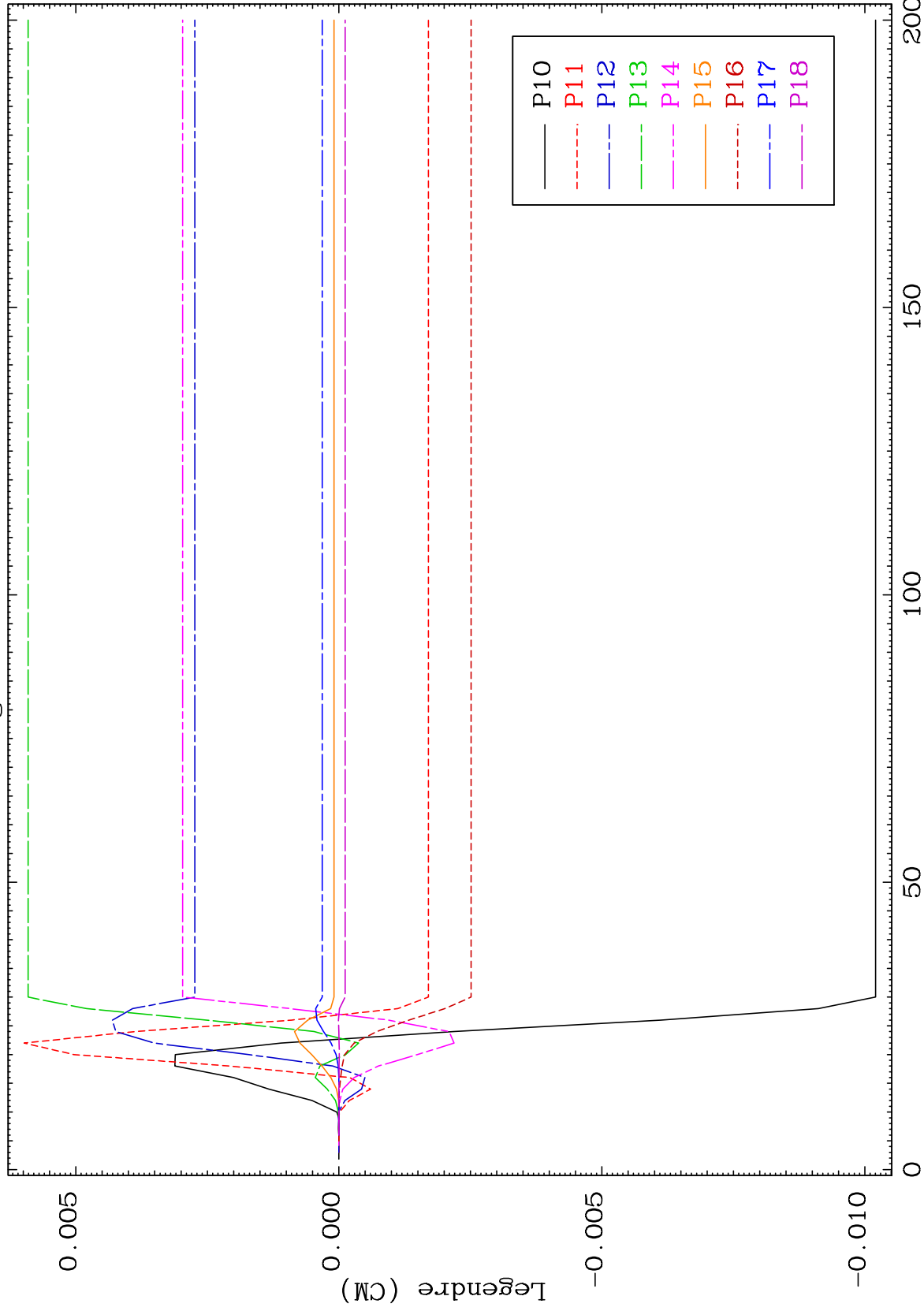
Incident Energy (MeV)

67-Ho-163

MAT 6719

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

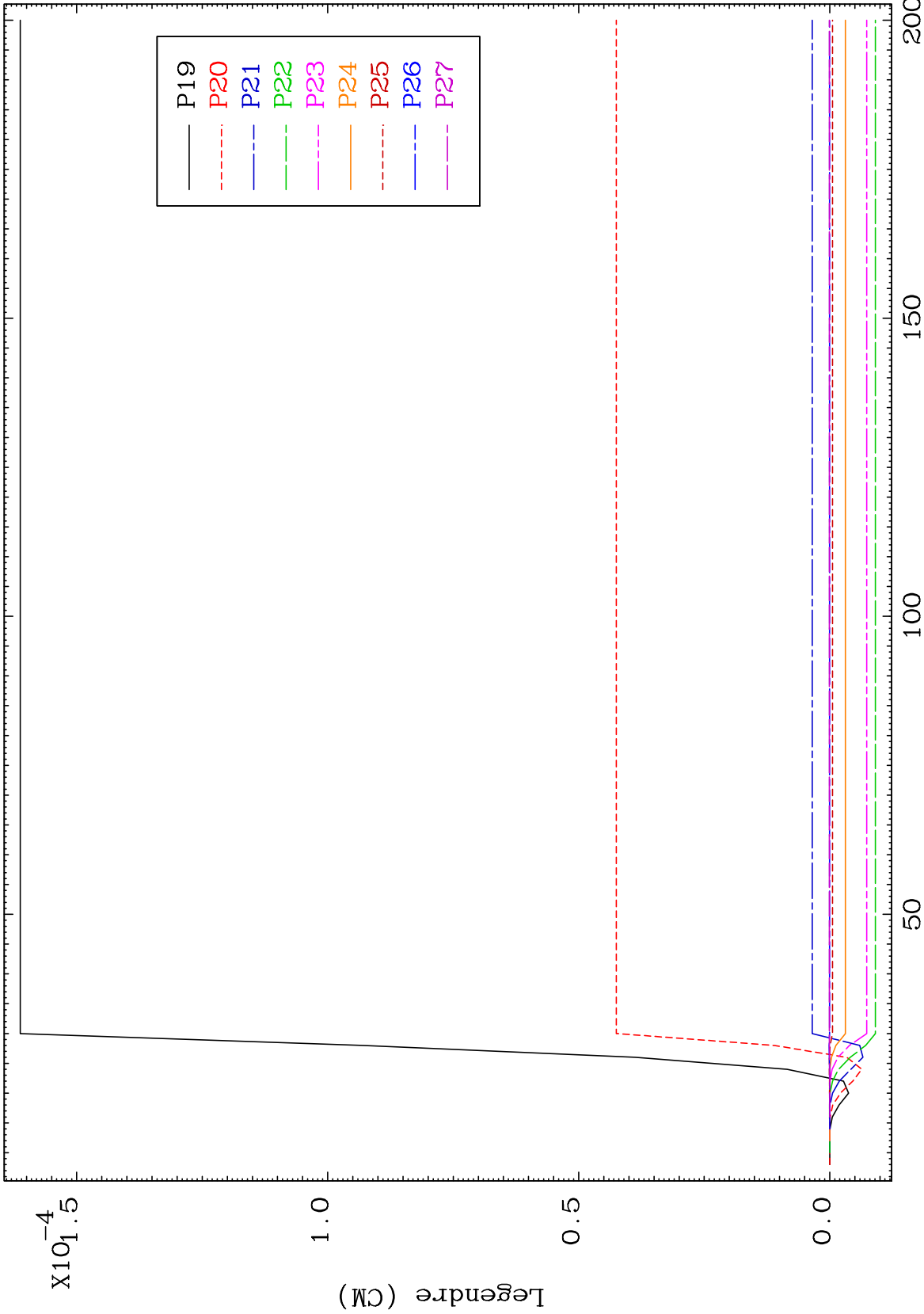
67-Ho-163



137

Incident Energy (MeV)

67-Ho-163

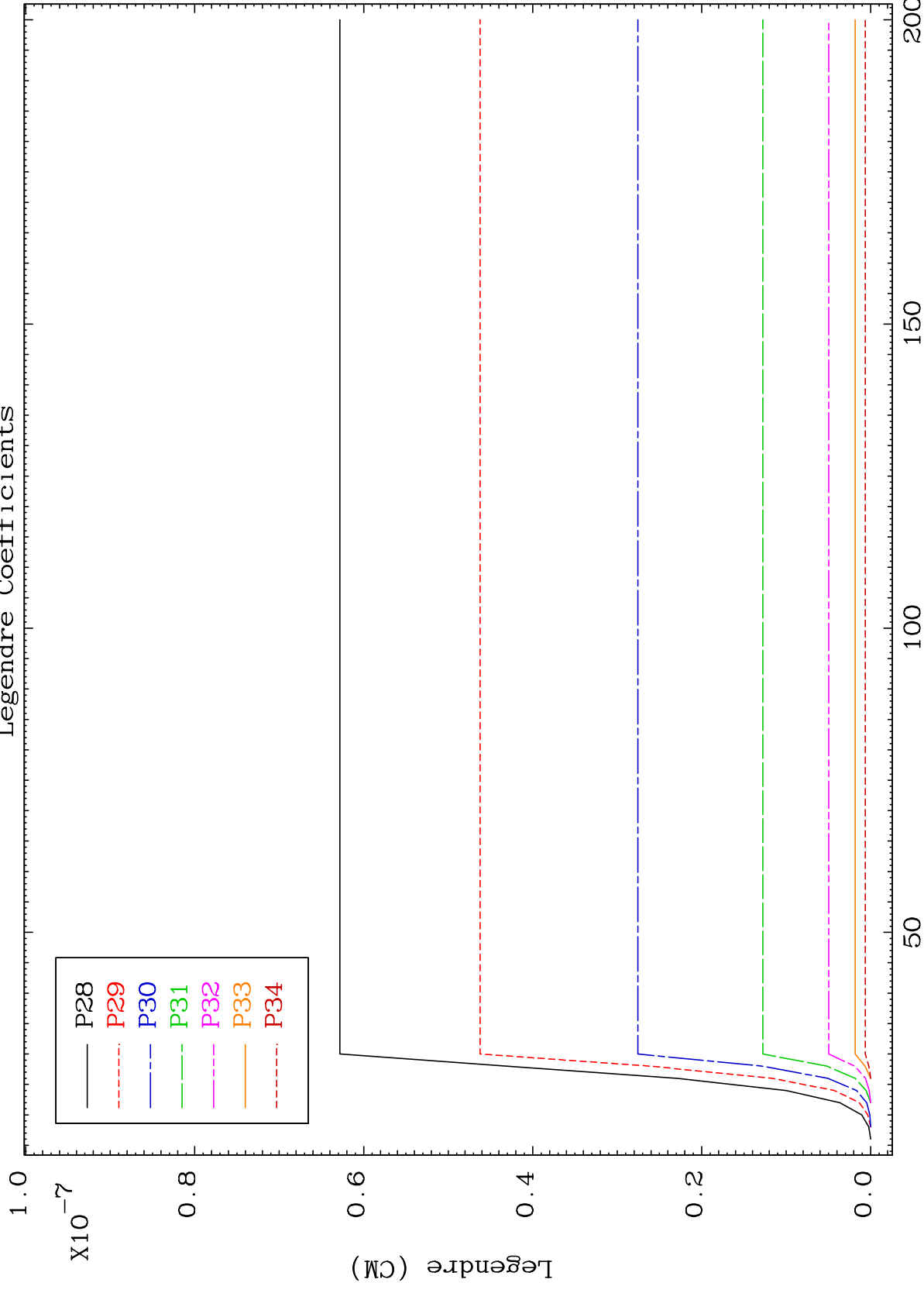


MAT 6719

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

67-Ho-163

67-Ho-163

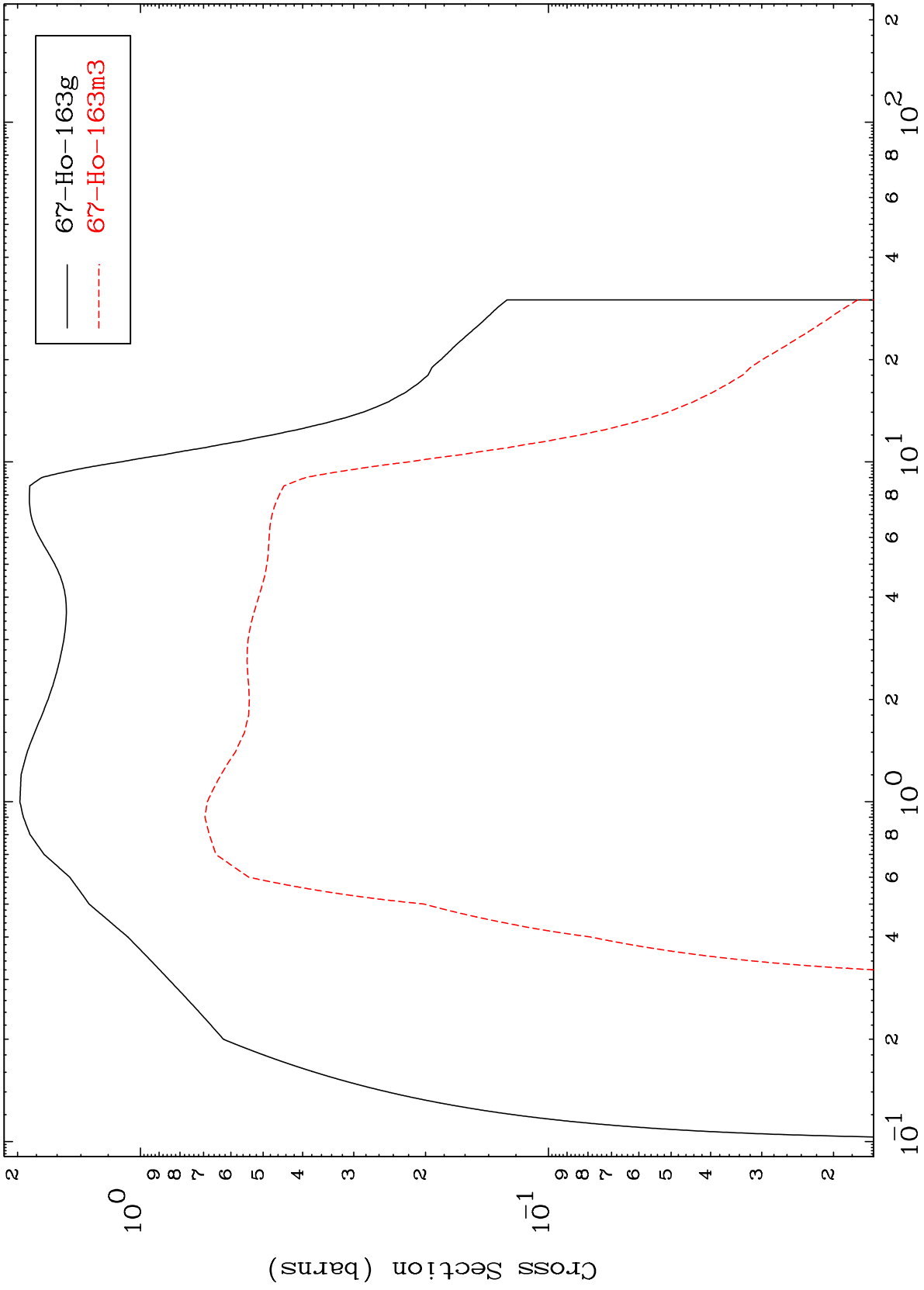


139

MAT 6719

67-Ho-163

Inelastic Radionuclide Production Cross Section



67-Ho-163

Incident Energy (MeV)

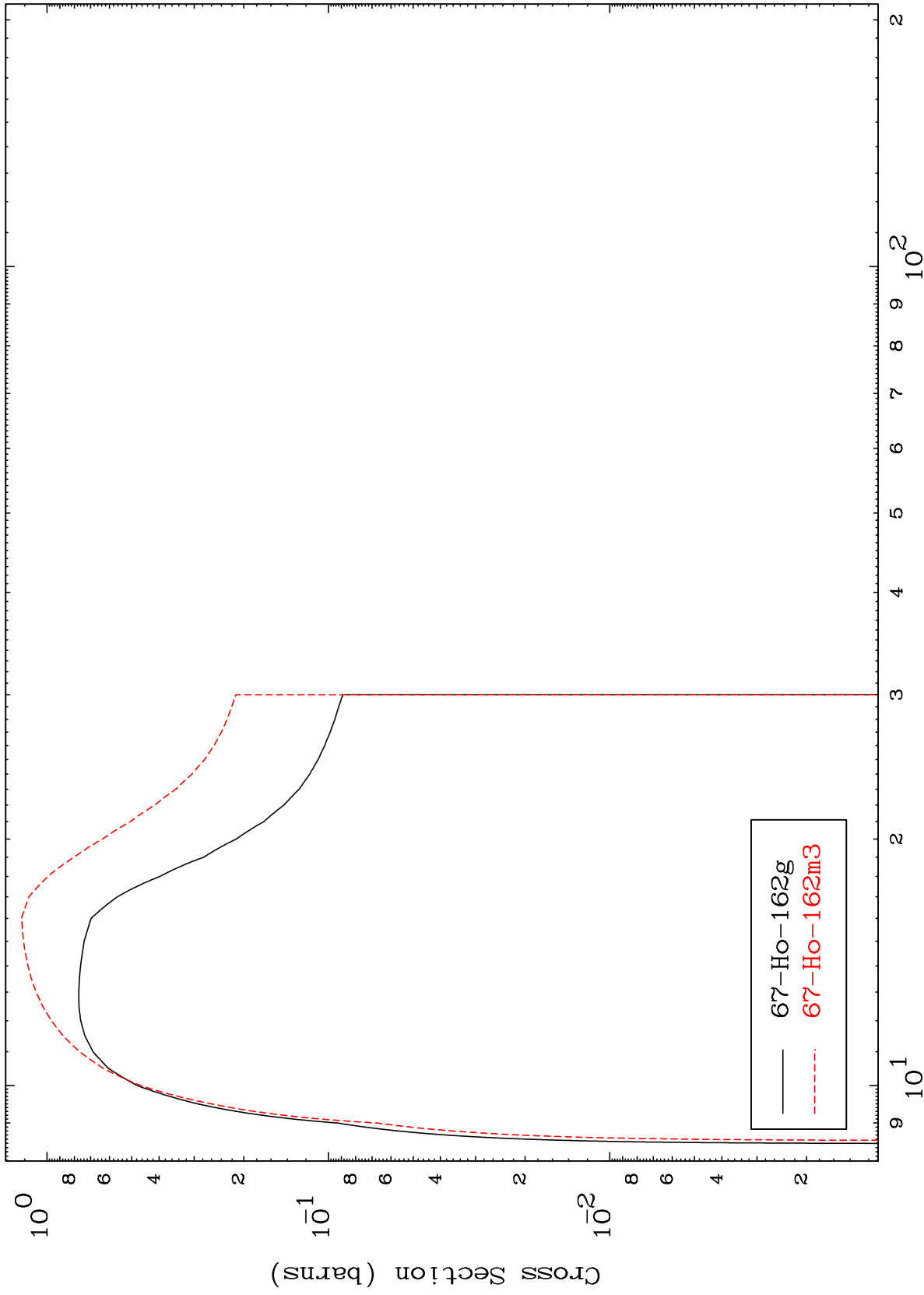
140

MAT 6719

(n,2n)

67-Ho-163

Radionuclide Production Cross Section



141

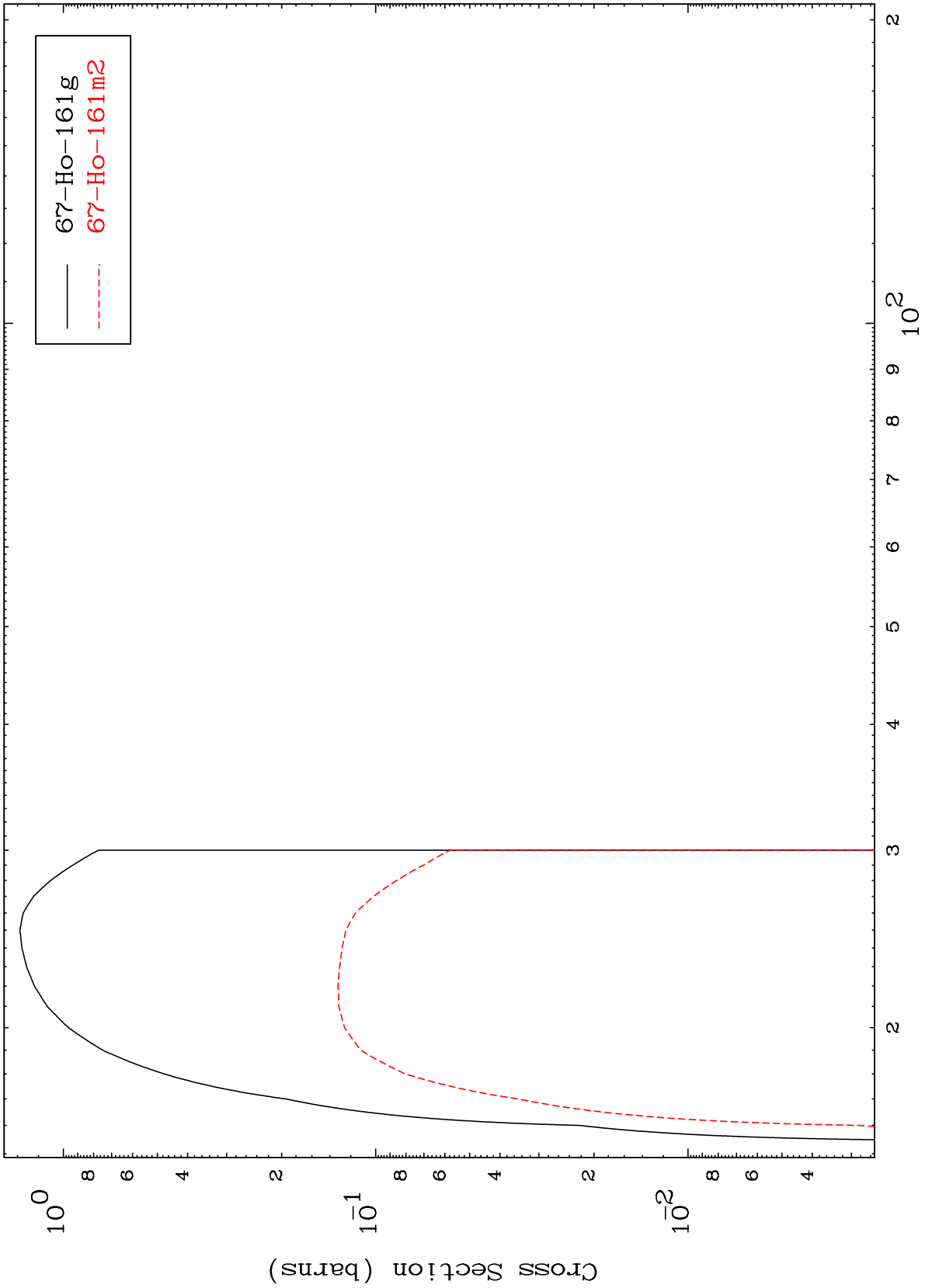
67-Ho-163

MAT 6719

(n,3n)

⁶⁷Ho-163

Radionuclide Production Cross Section



142

Incident Energy (MeV)

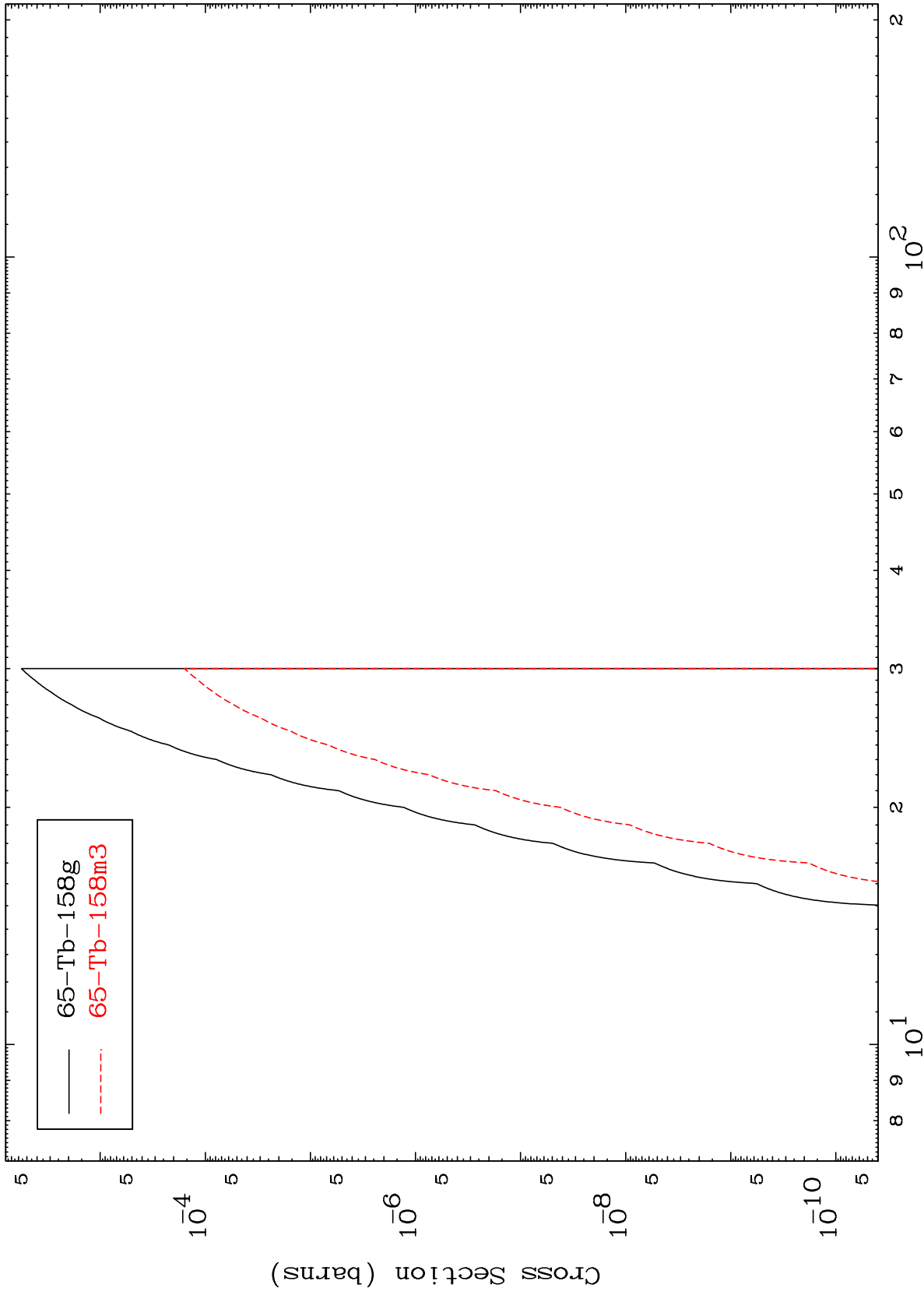
⁶⁷Ho-163

MAT 6719

$(n, 2n) \alpha$

67-Ho-163

Radionuclide Production Cross Section



65-Tb-158g
65-Tb-158m3

143

Incident Energy (MeV)

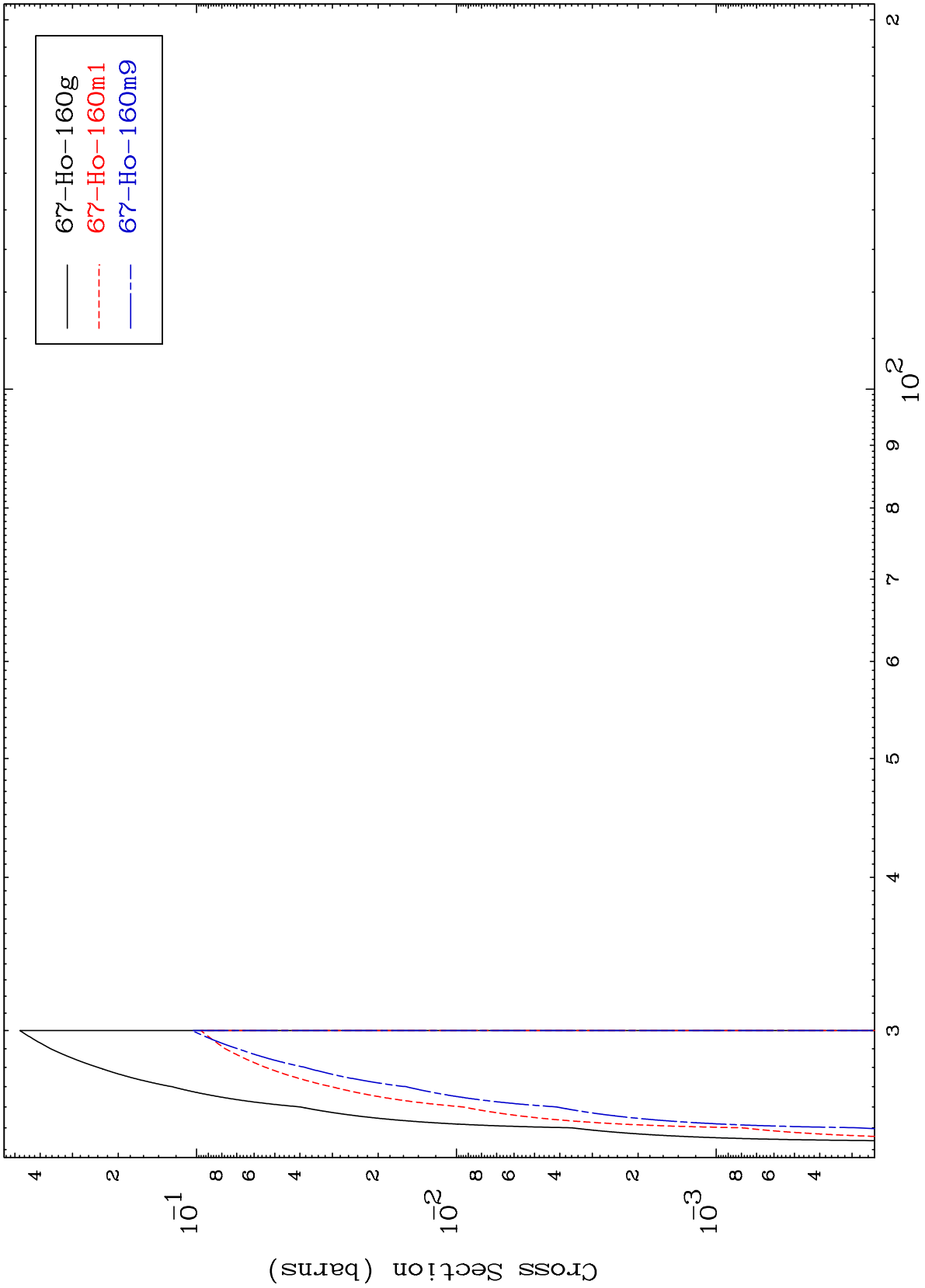
67-Ho-163

MAT 6719

(n,4n)

67-Ho-163

Radionuclide Production Cross Section



67-Ho-160g
67-Ho-160m1
67-Ho-160m9

144

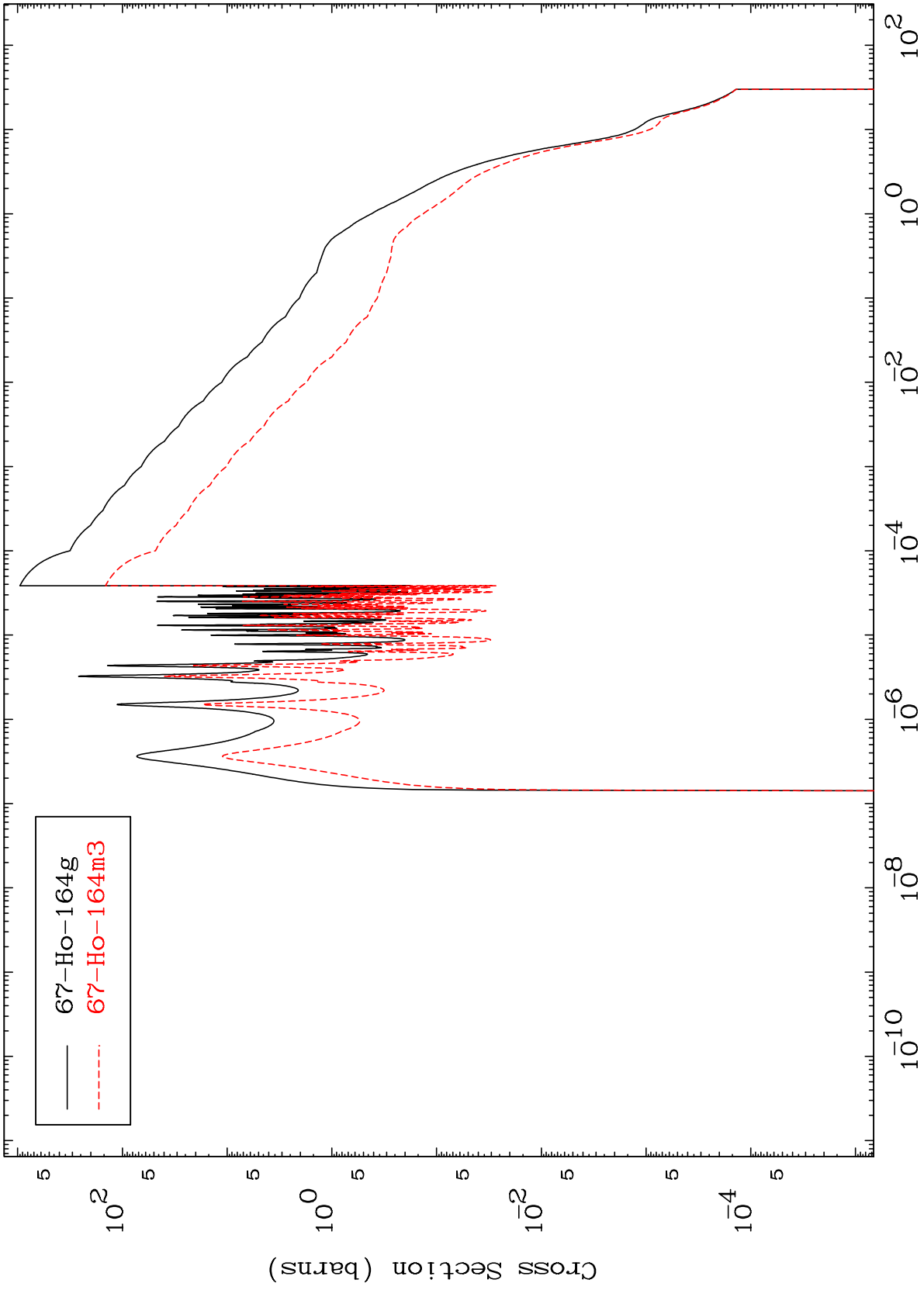
Incident Energy (MeV)

67-Ho-163

MAT 6719

67-Ho-163

Radionuclide Production Cross Section (n,γ)



145

67-Ho-163