

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

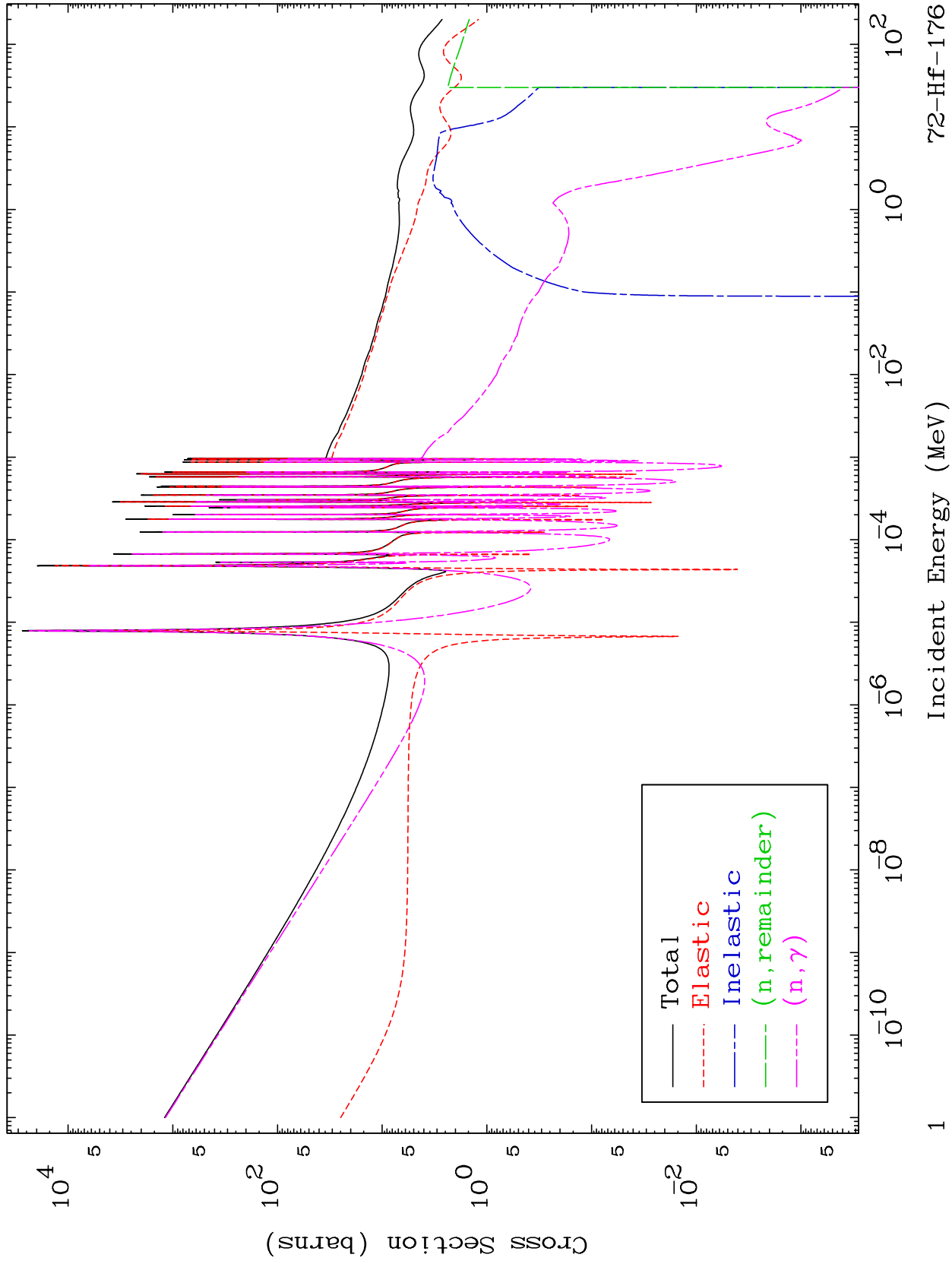
Press Mouse Button to Start

MAT 7231

Major

293 Kelvin Cross Sections

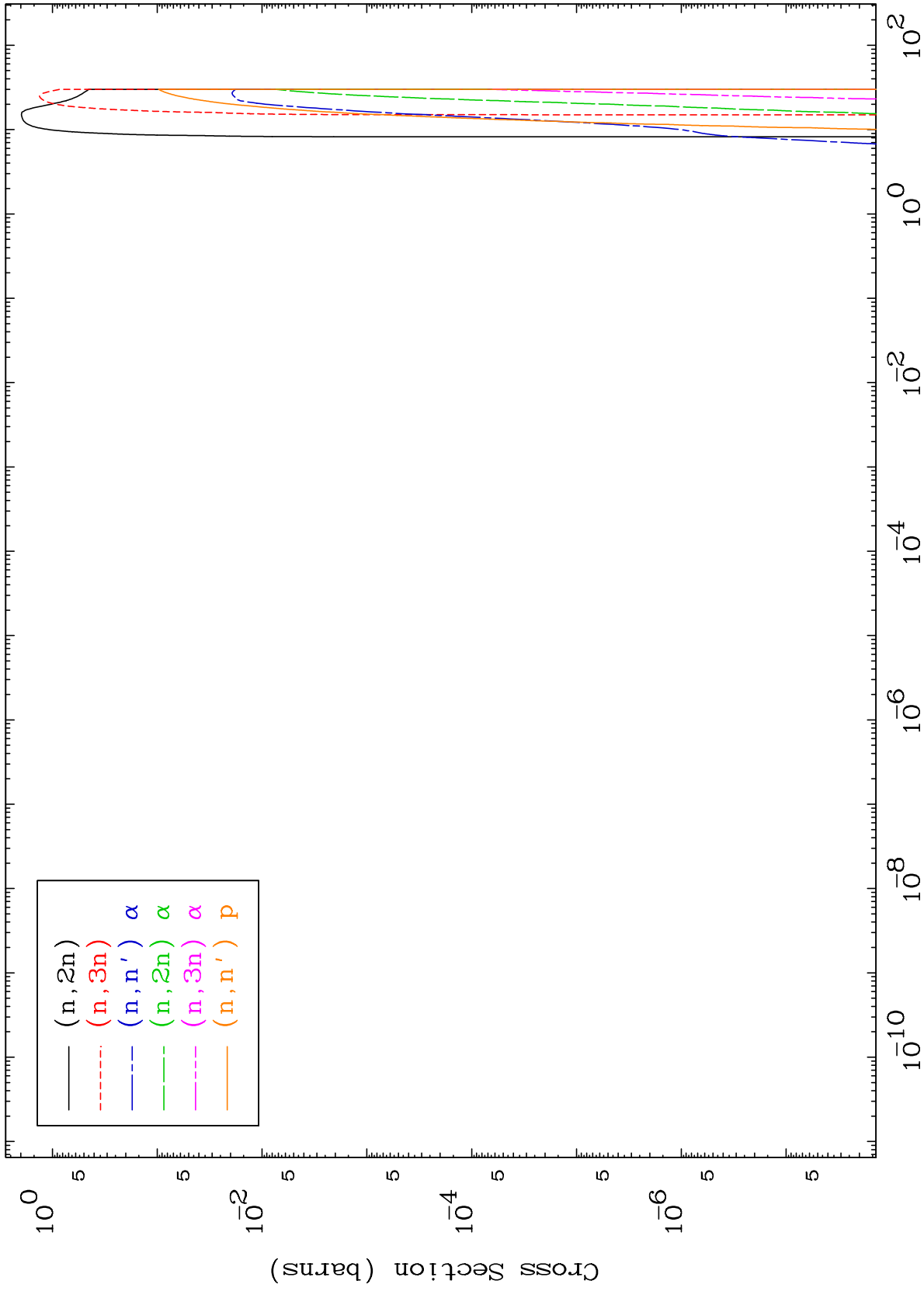
72-Hf-176



MAT 7231

Neutron Production
293 Kelvin Cross Sections

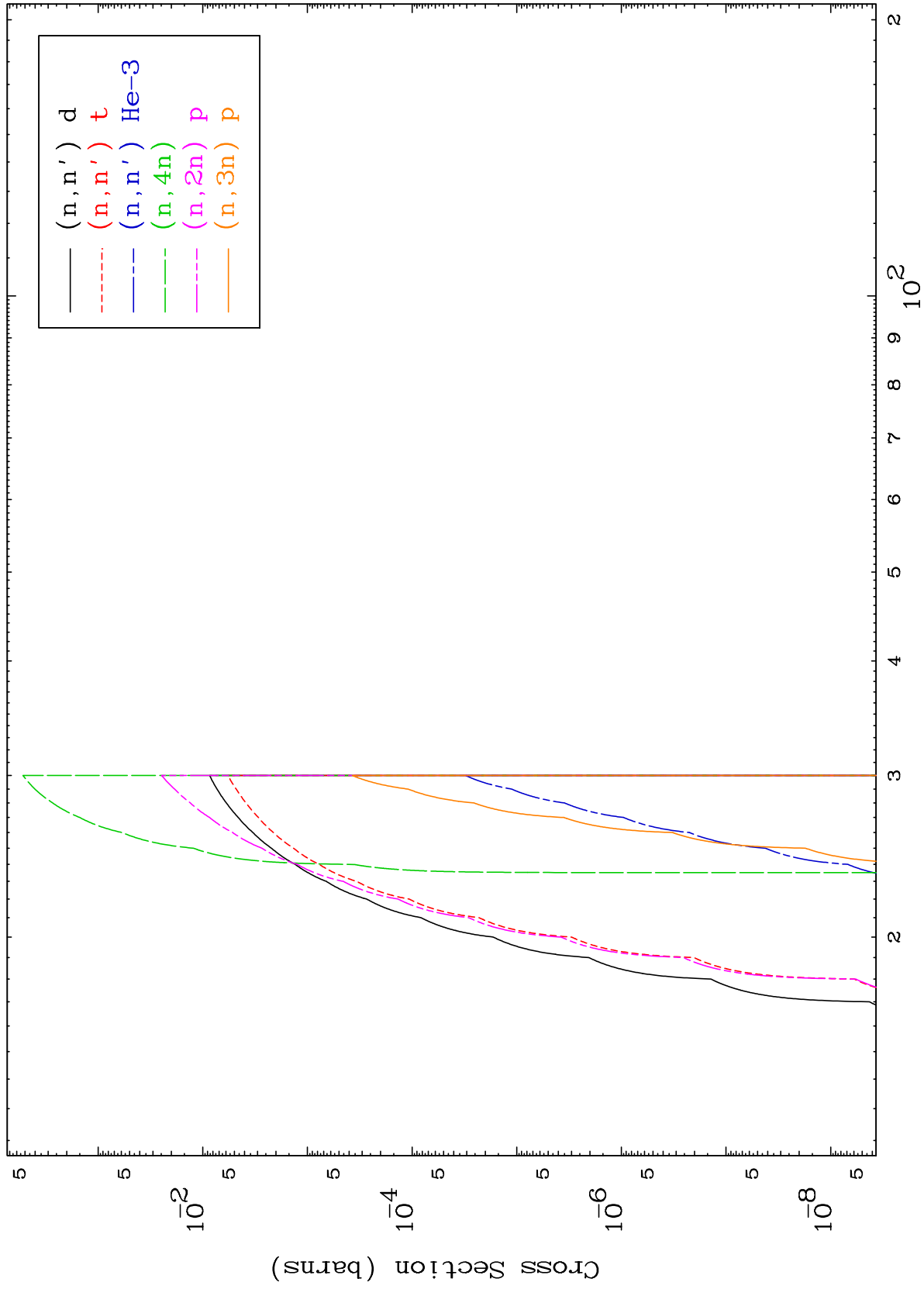
72-Hf-176

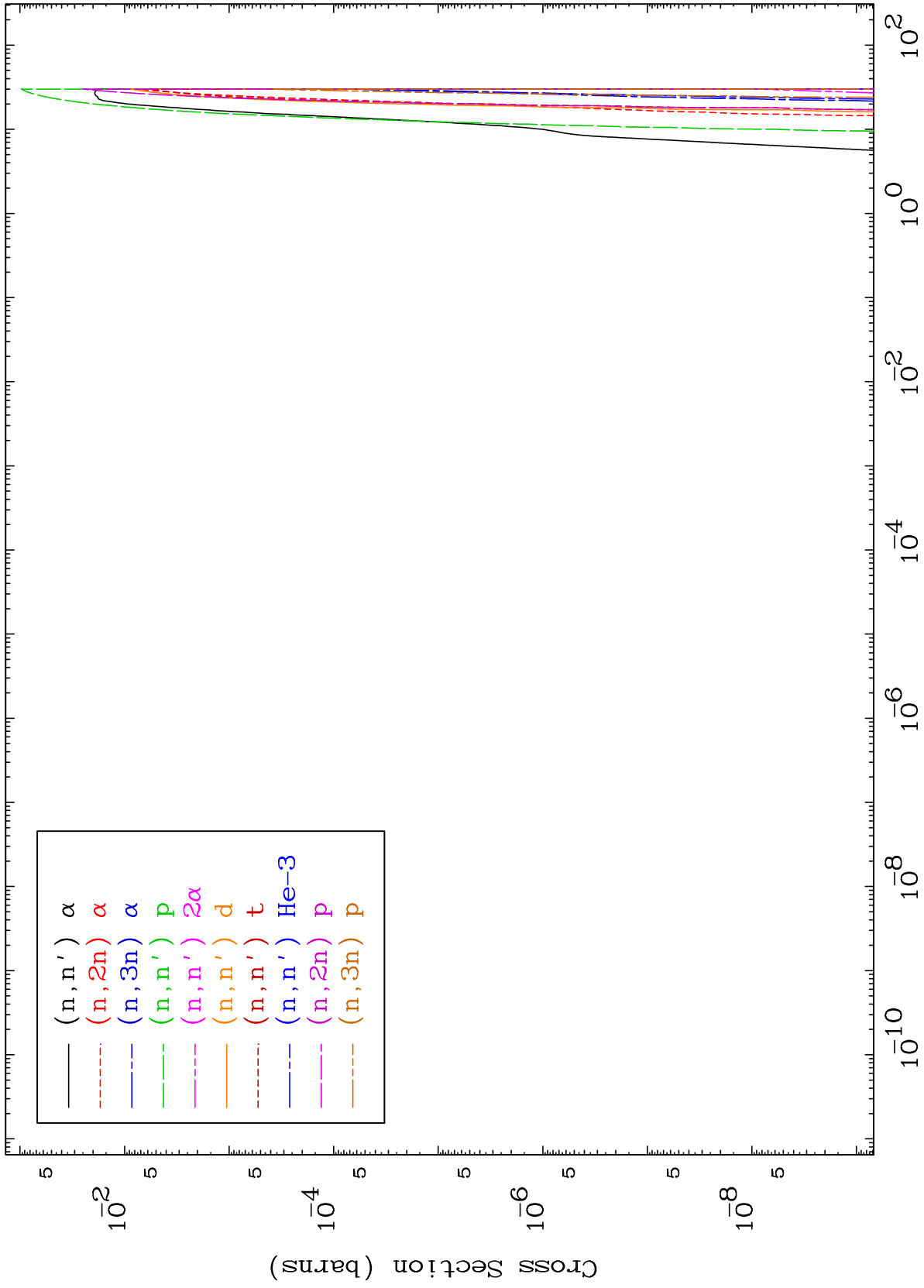


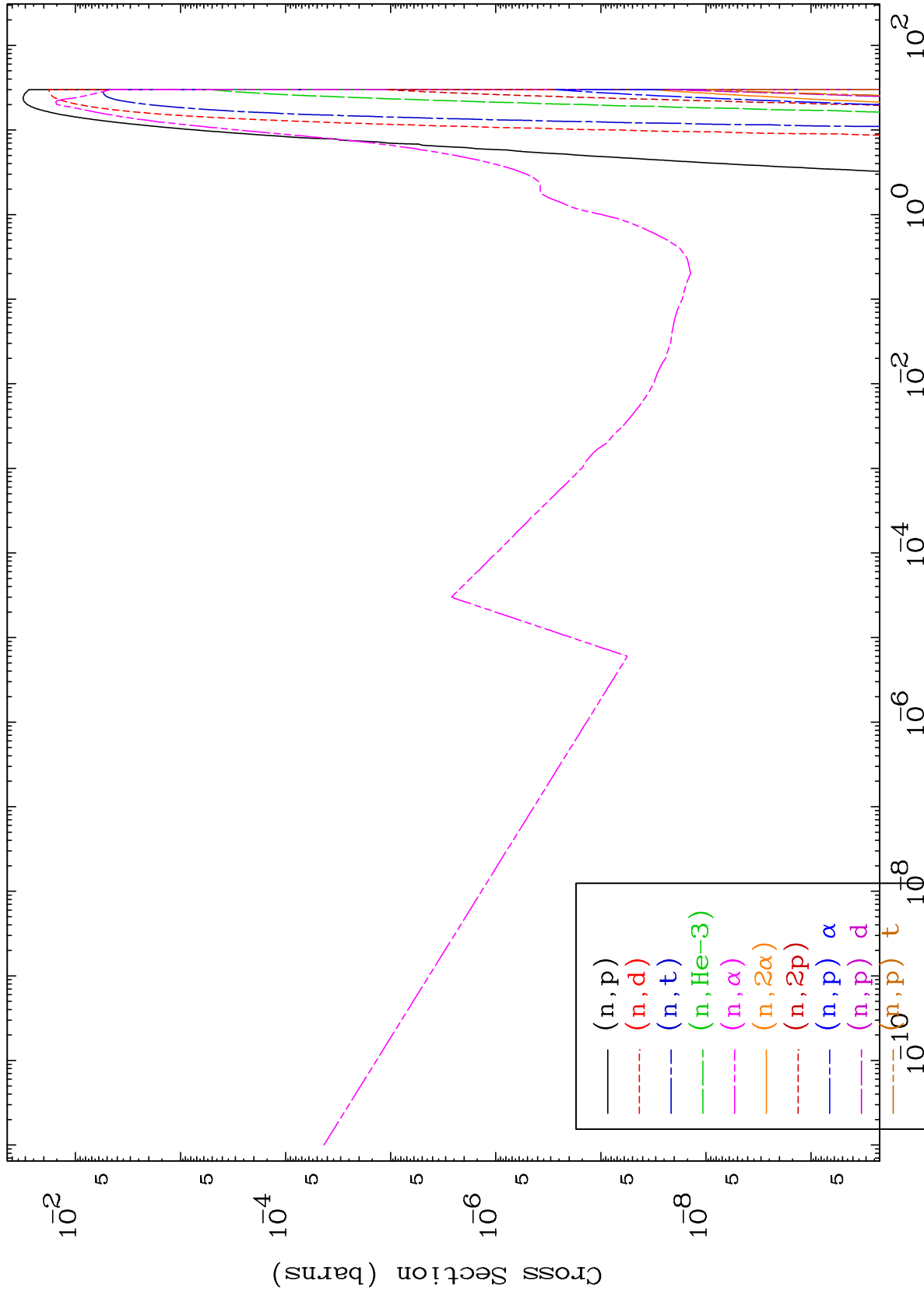
2

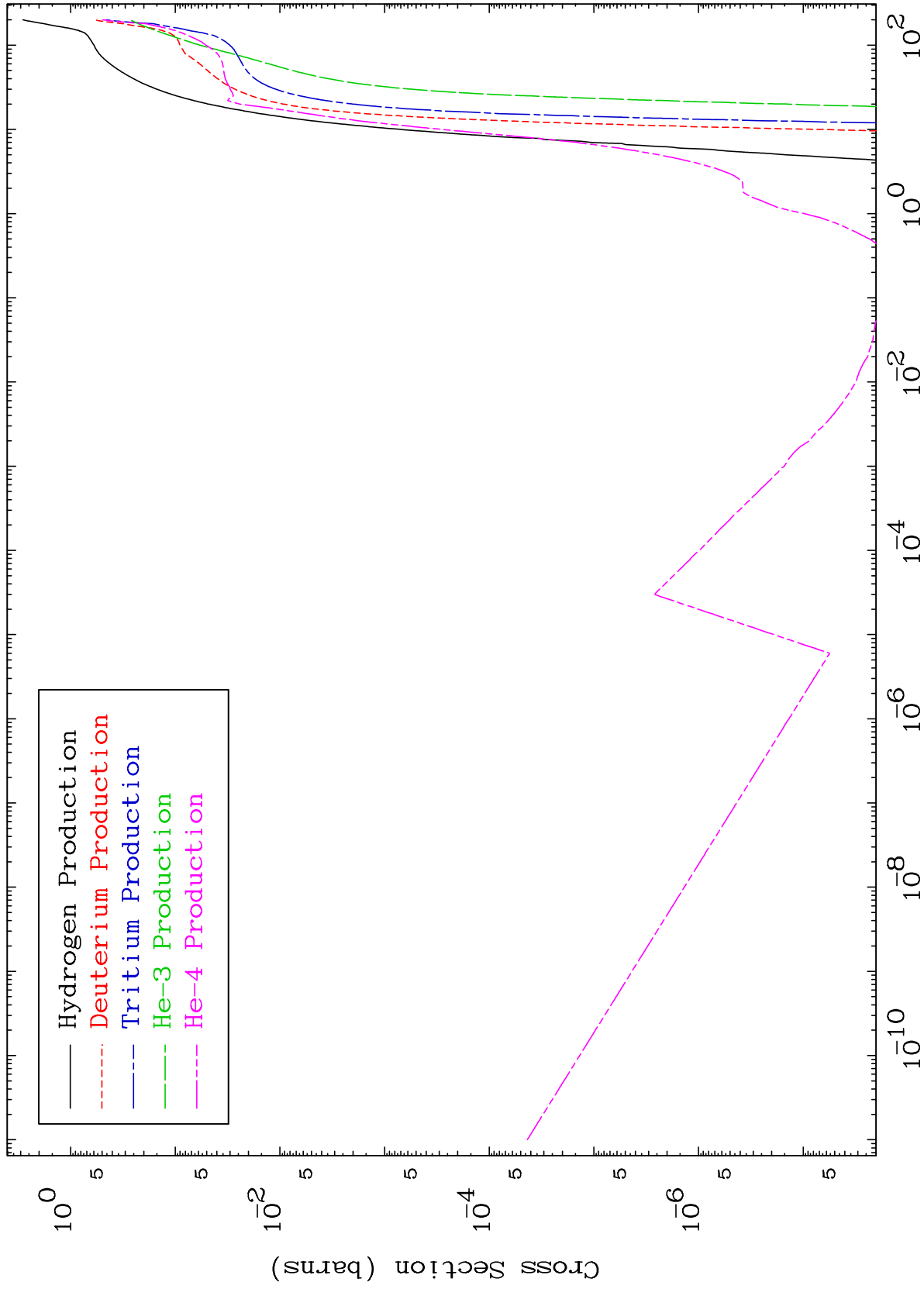
Incident Energy (MeV)

72-Hf-176







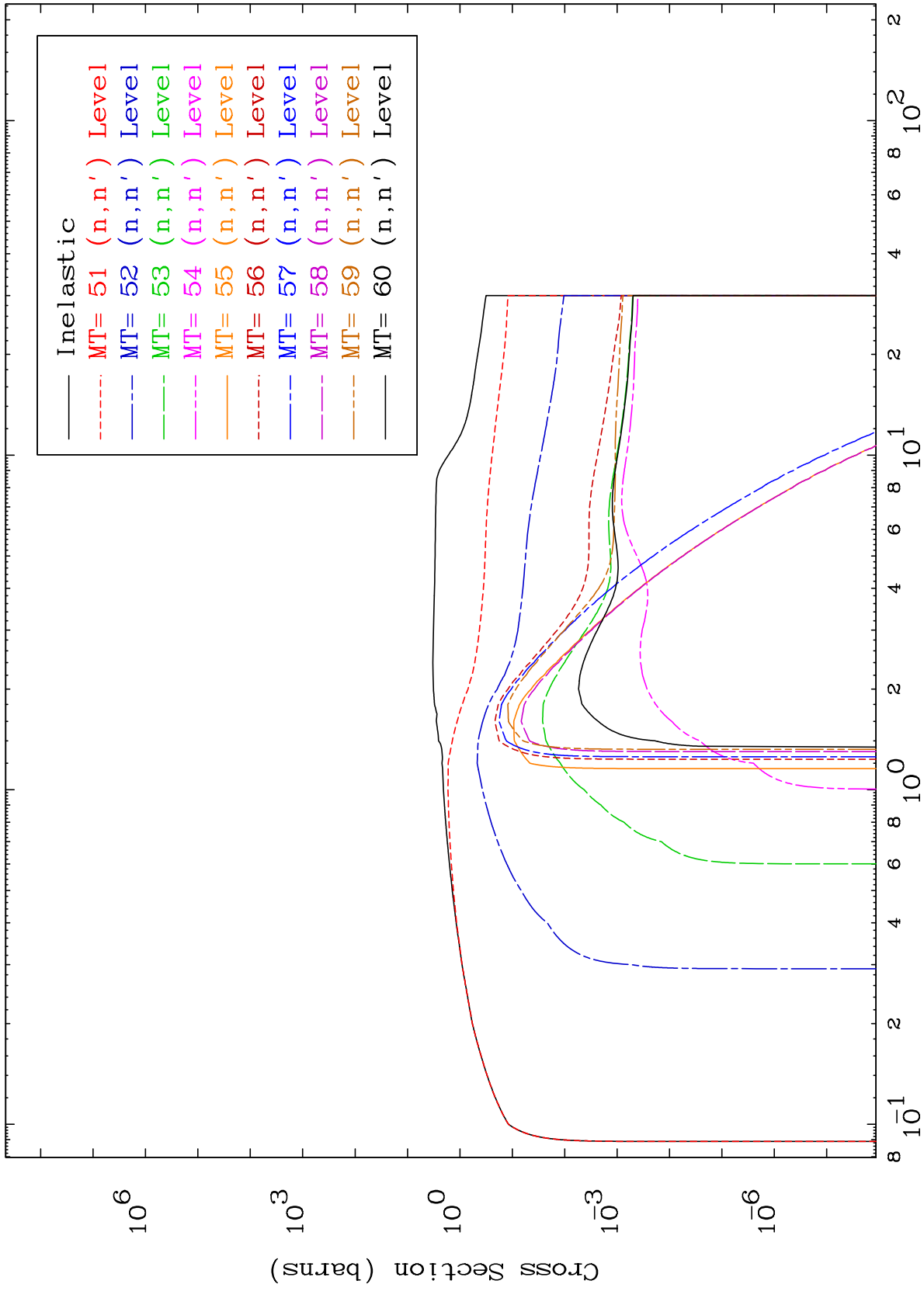


MAT 7231

(n,n') Level

72-Hf-176

293 Kelvin Cross Sections



72-Hf-176

Incident Energy (MeV)

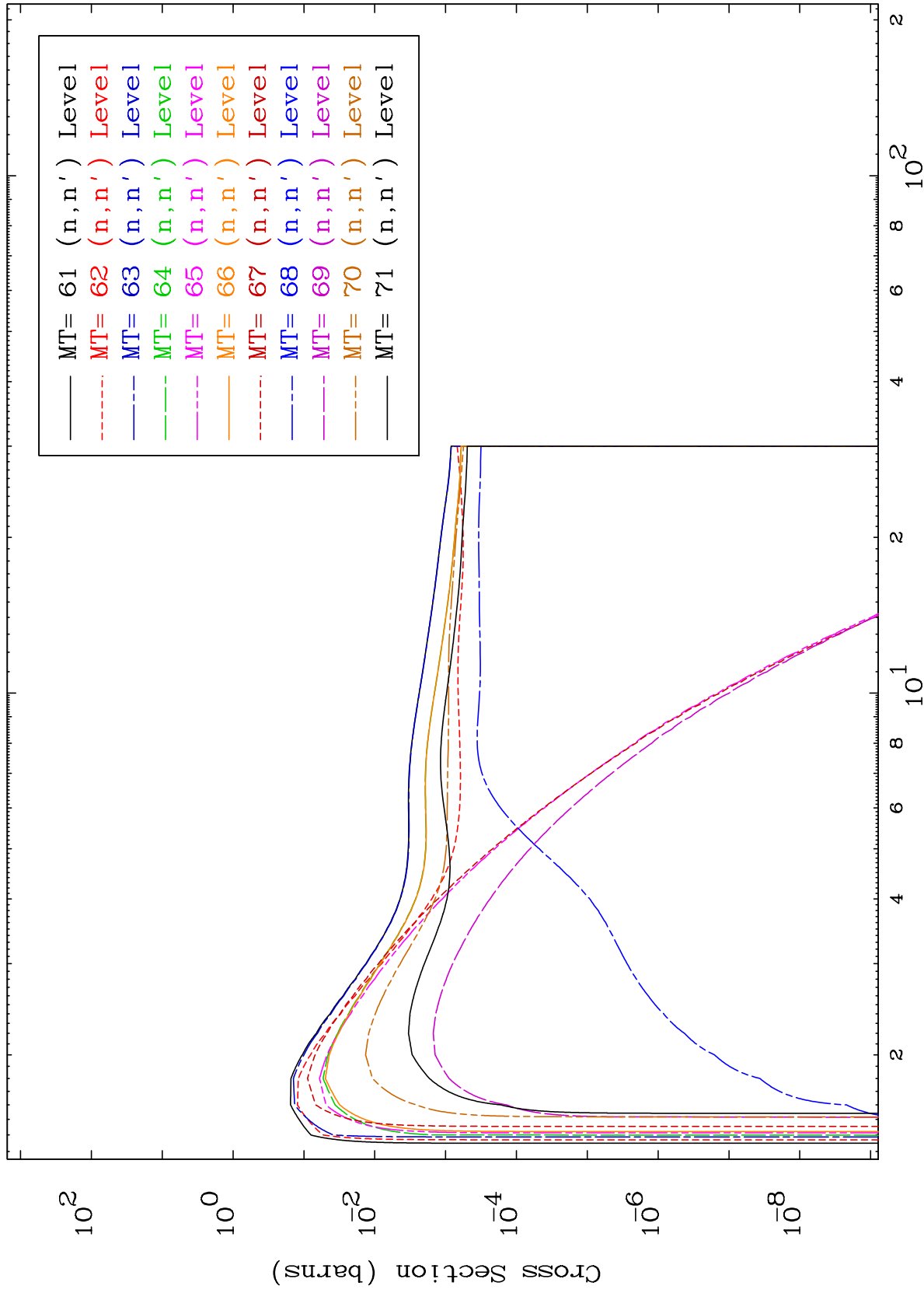
7

MAT 7231

(n,n') Level

72-Hf-176

293 Kelvin Cross Sections



8

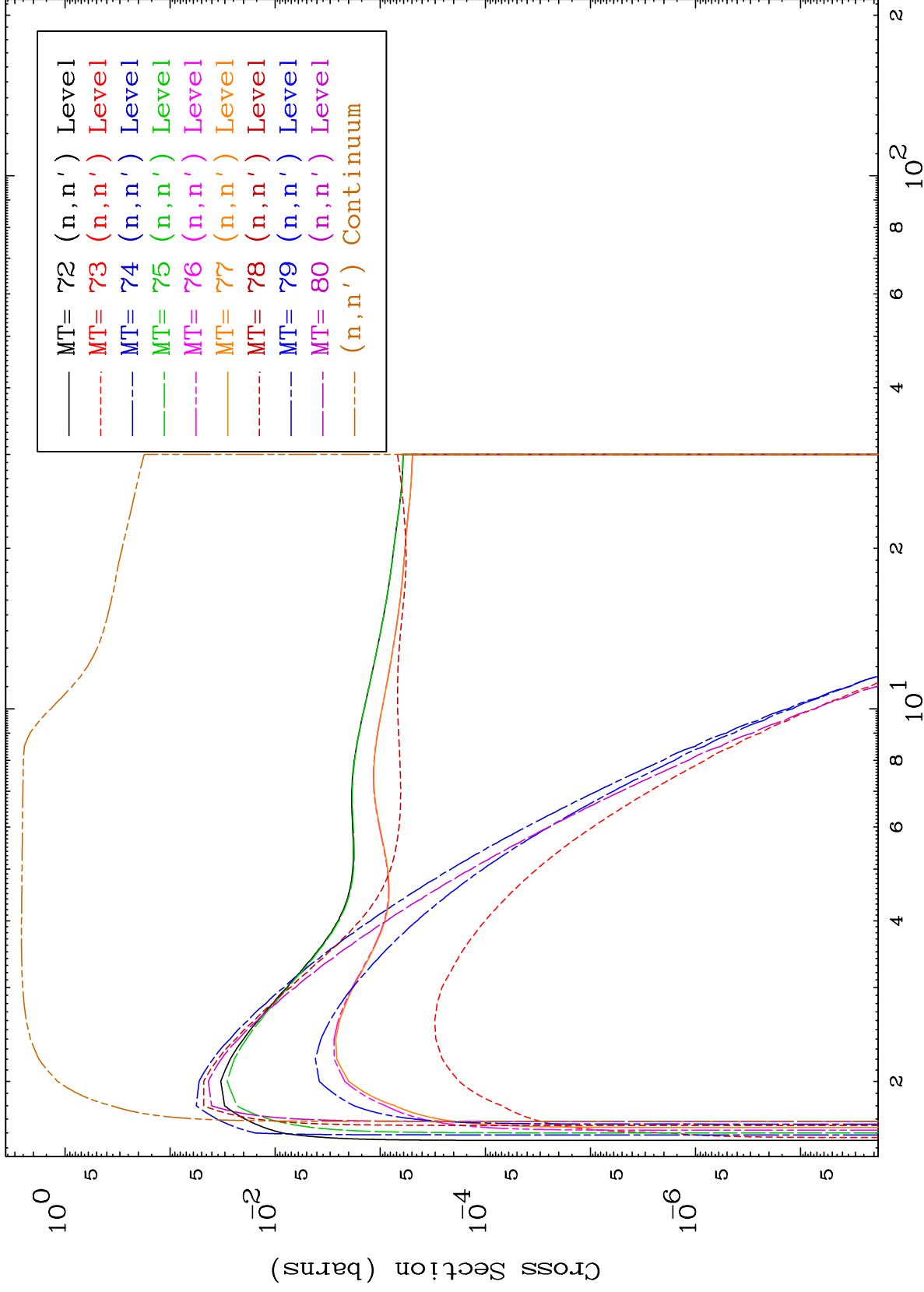
Incident Energy (MeV)

72-Hf-176

MAT 7231

(n,n') Level
293 Kelvin Cross Sections

72-Hf-176



9

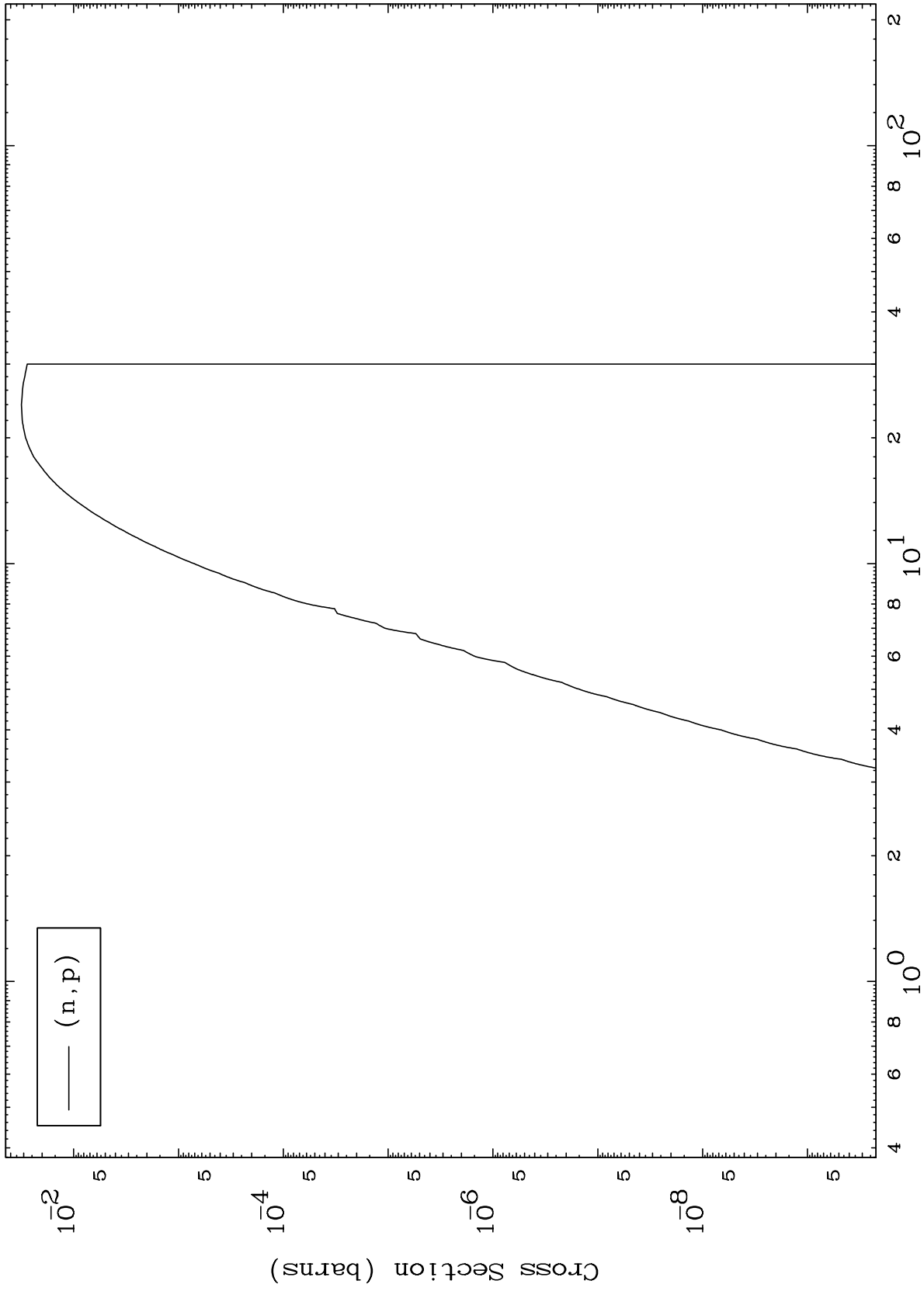
Incident Energy (MeV)

72-Hf-176

MAT 7231

(n,p) Levels
293 Kelvin Cross Sections

72-Hf-176



10

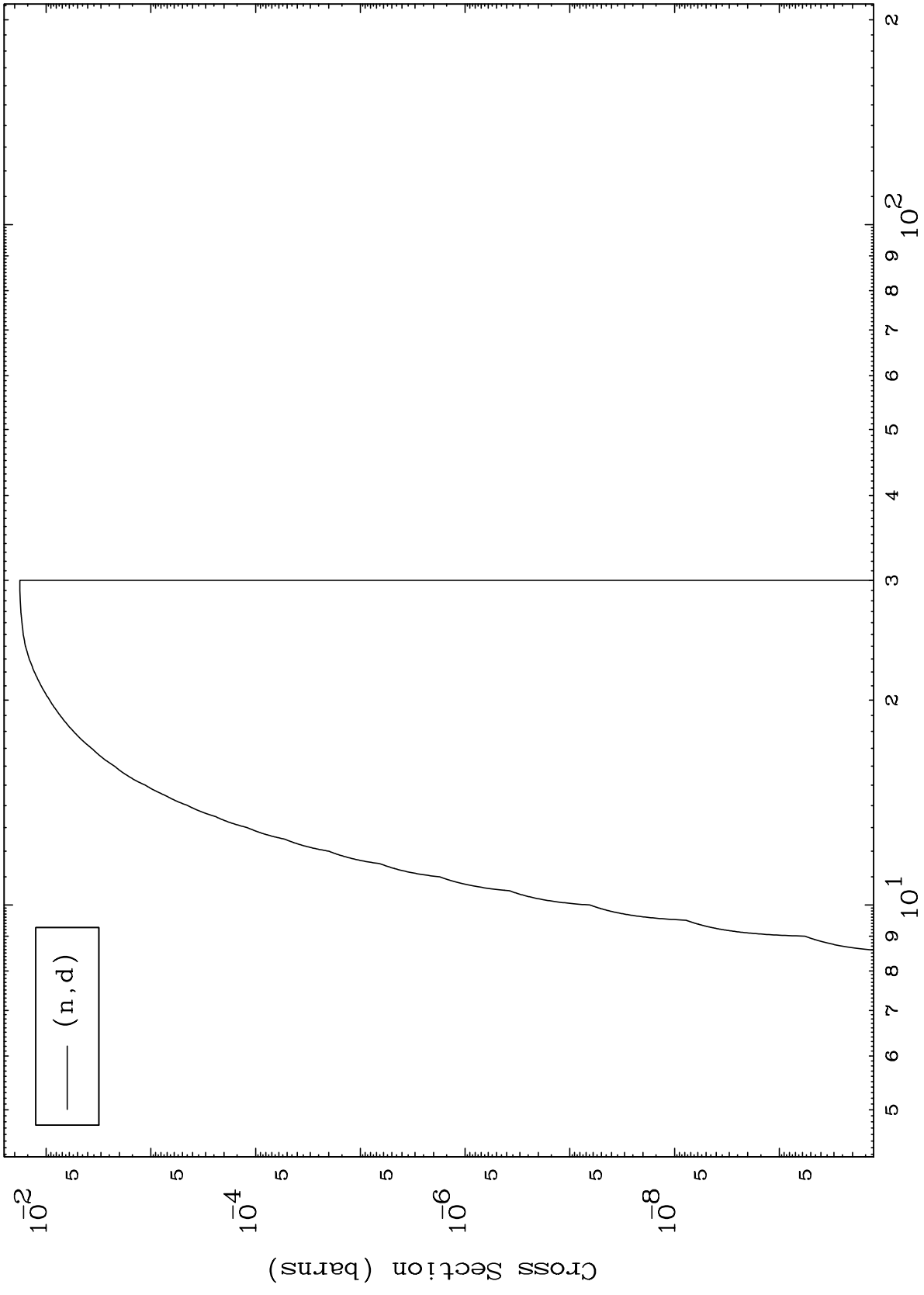
Incident Energy (MeV)

72-Hf-176

MAT 7231

(n,d) Levels
293 Kelvin Cross Sections

72-Hf-176



11

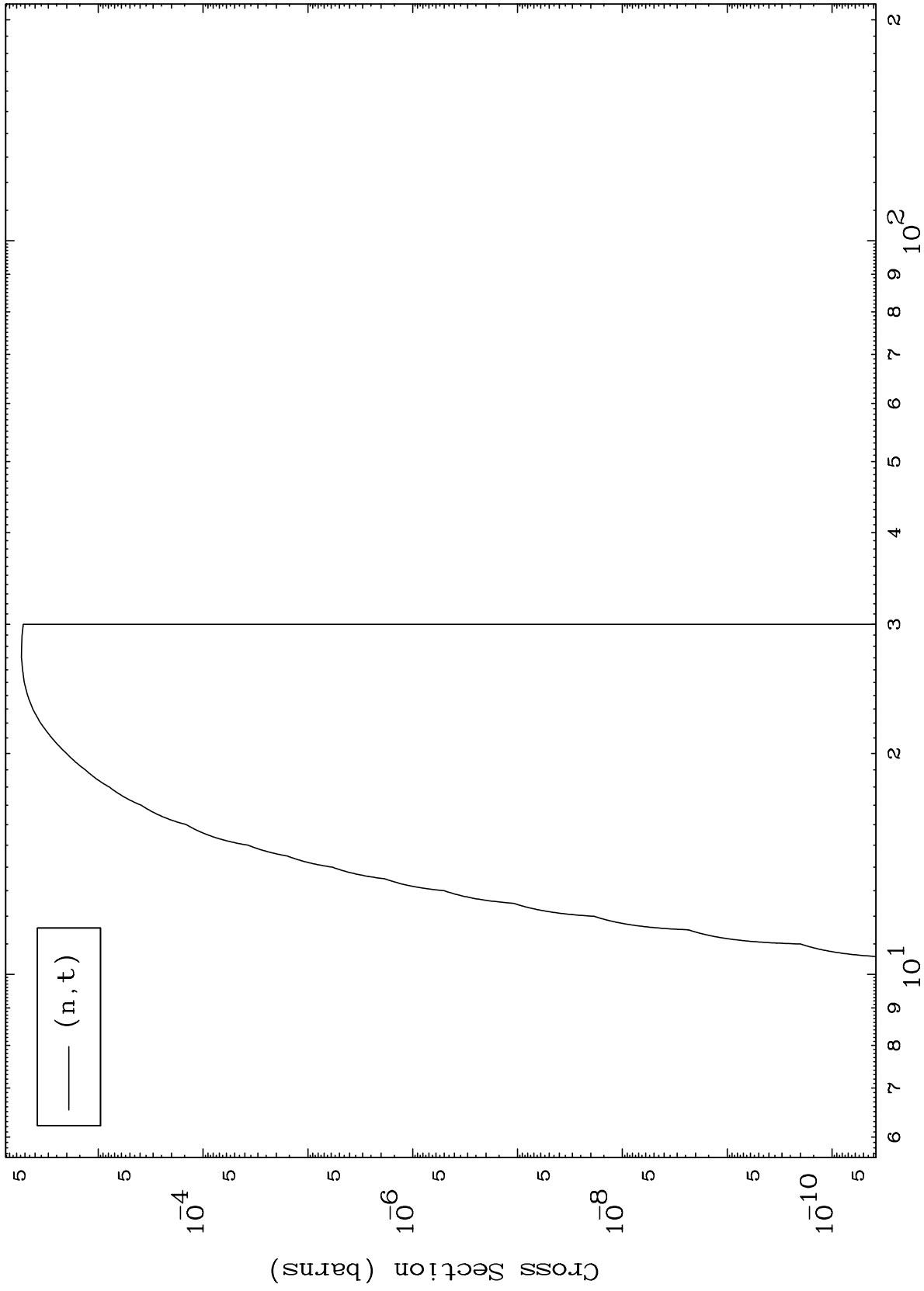
Incident Energy (MeV)

72-Hf-176

MAT 7231

(n,t) Levels
293 Kelvin Cross Sections

72-Hf-176



12

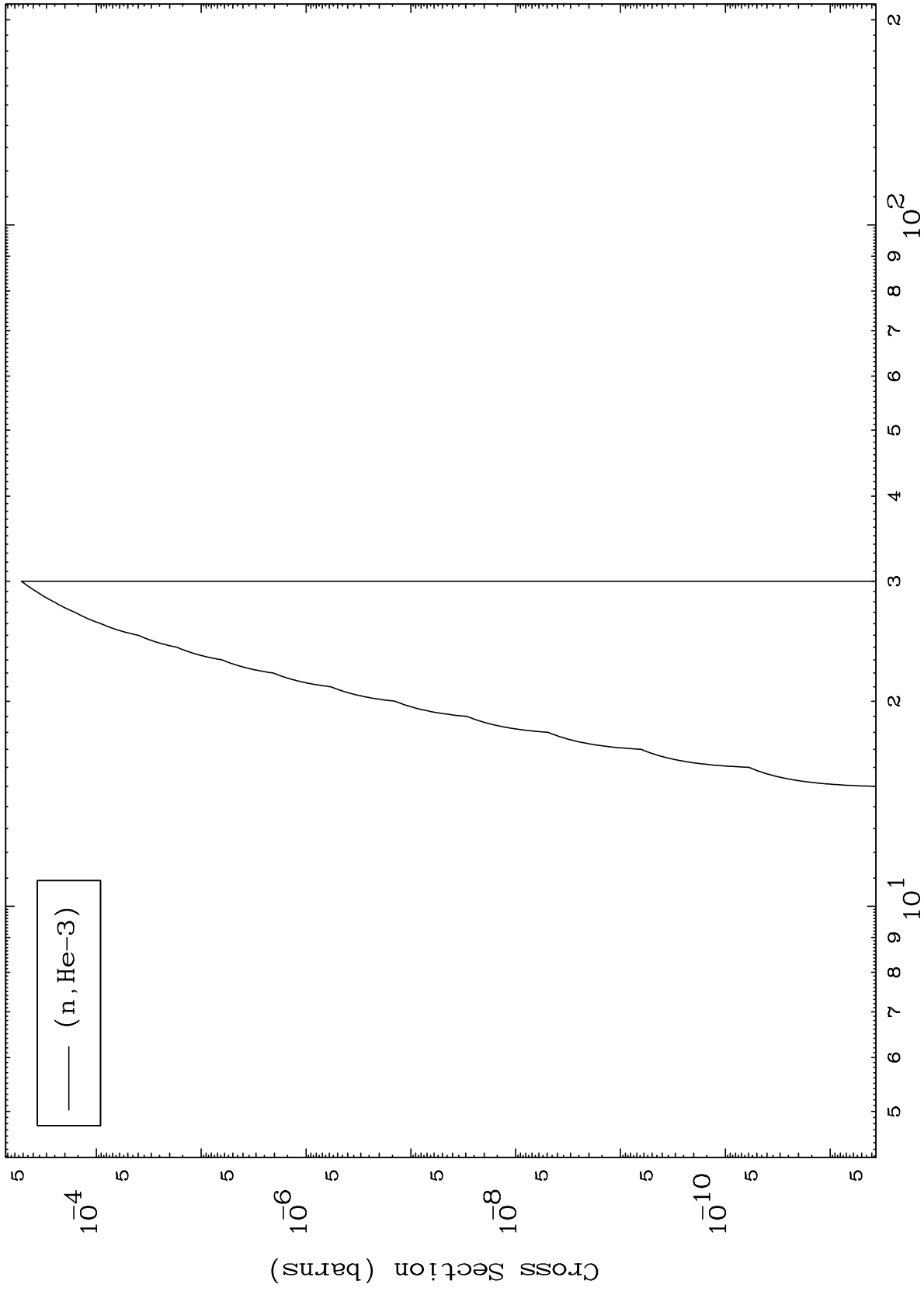
Incident Energy (MeV)

72-Hf-176

MAT 7231

(n,He3) Levels
293 Kelvin Cross Sections

72-Hf-176



13

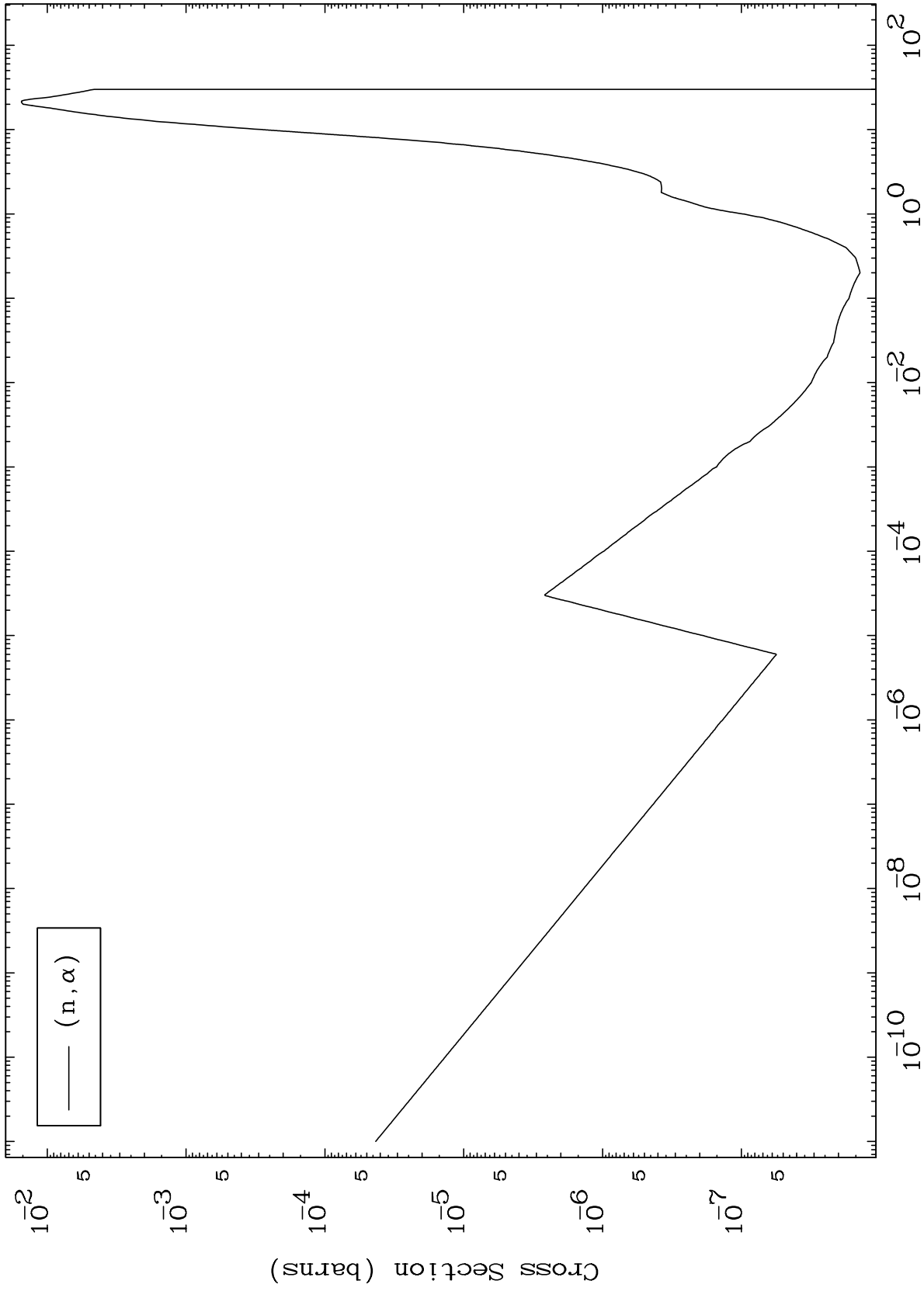
Incident Energy (MeV)

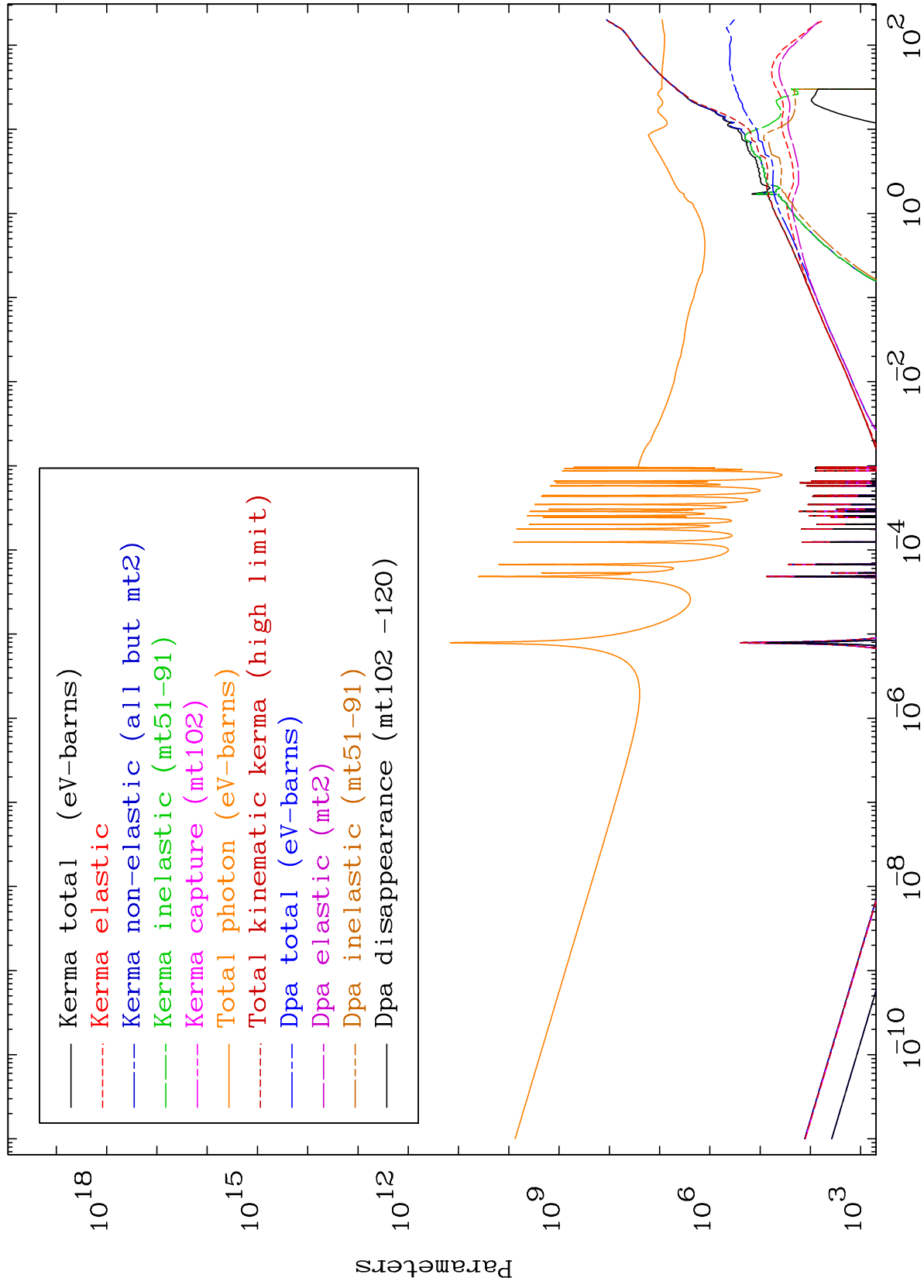
72-Hf-176

MAT 7231

(n,α) Levels
293 Kelvin Cross Sections

72-Hf-176

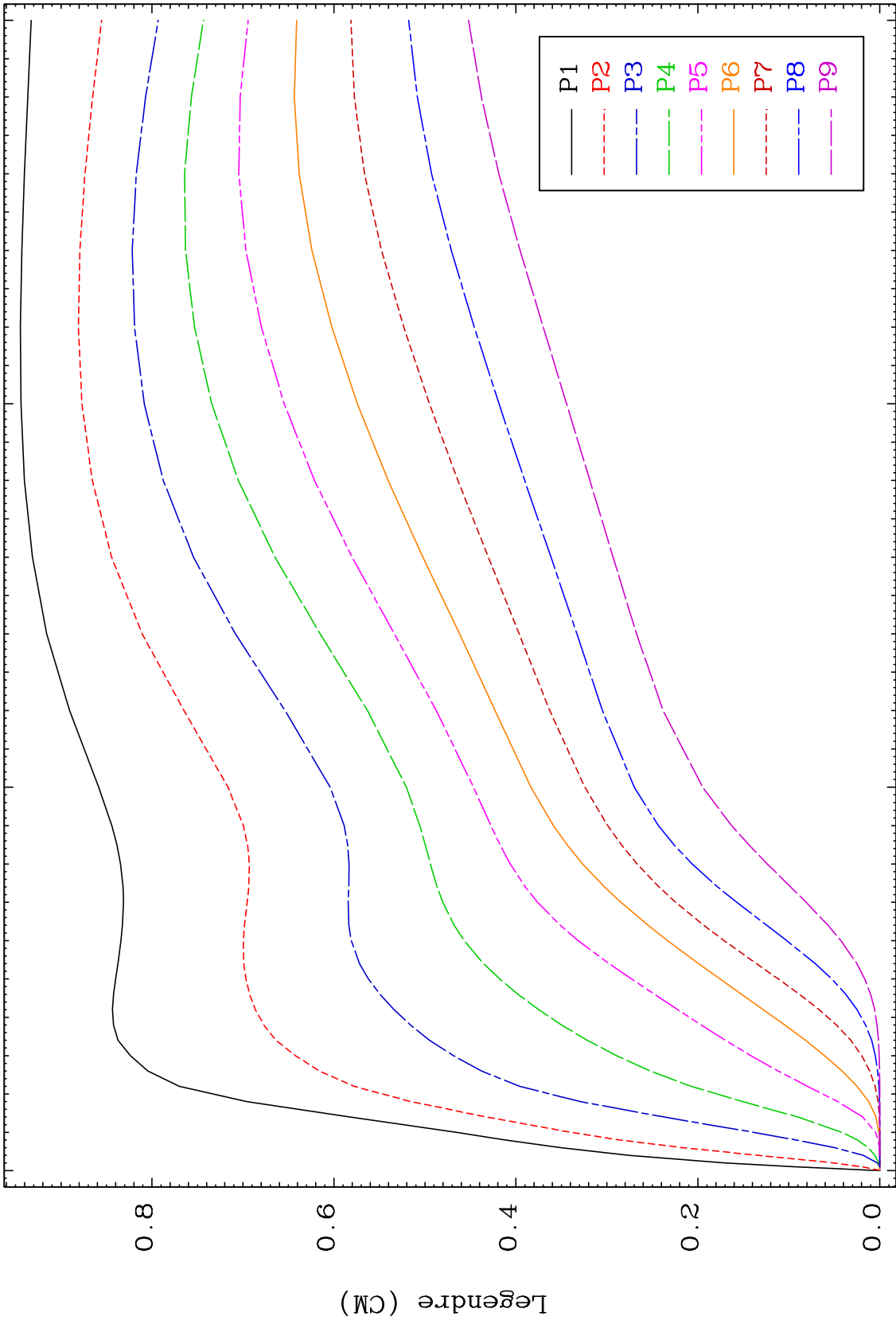




72-Hf-176

Elastic Legendre Coefficients

MAT 7231



72-Hf-176

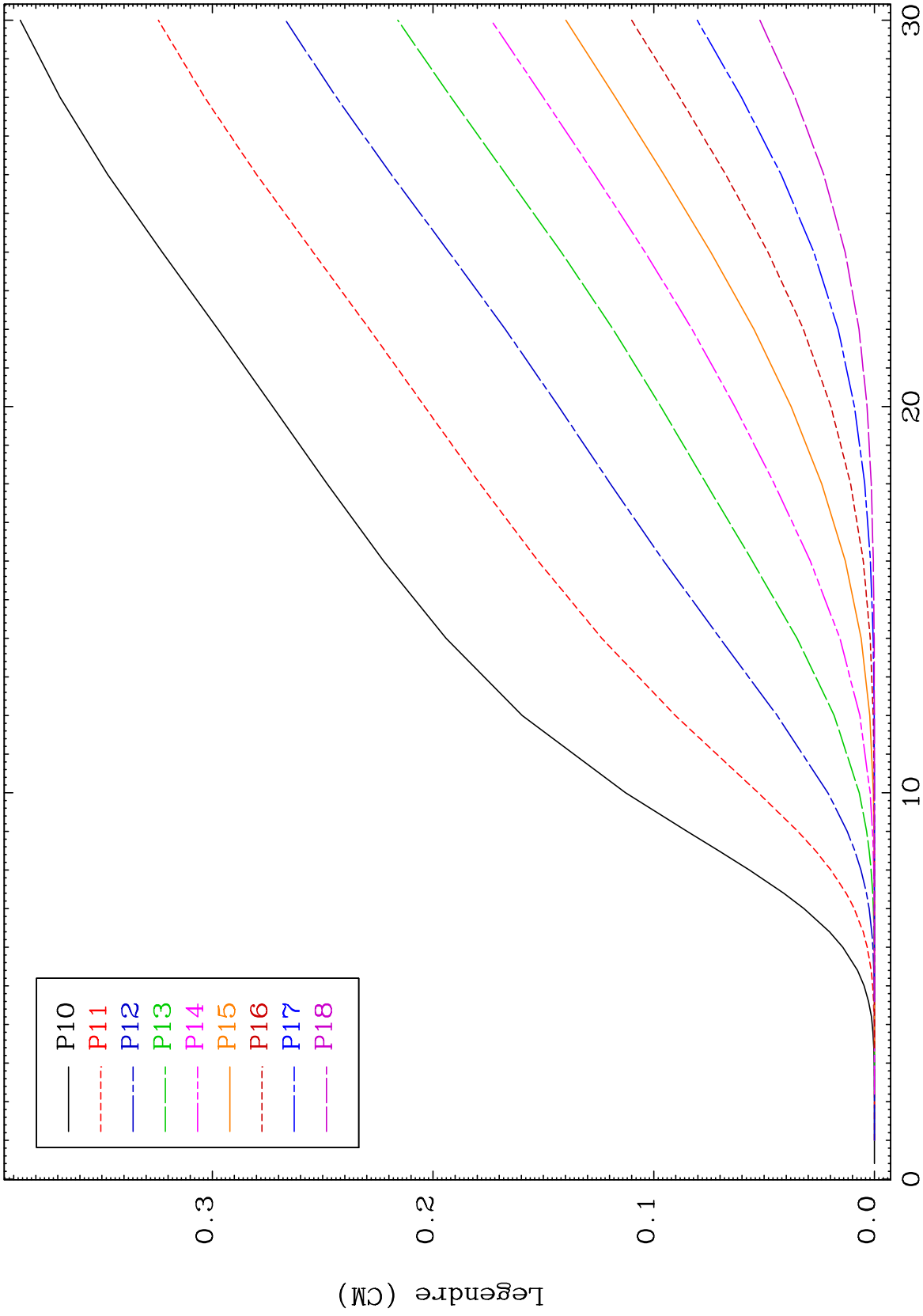
Incident Energy (MeV)

16

MAT 7231

Elastic Legendre Coefficients

72-Hf-176



17

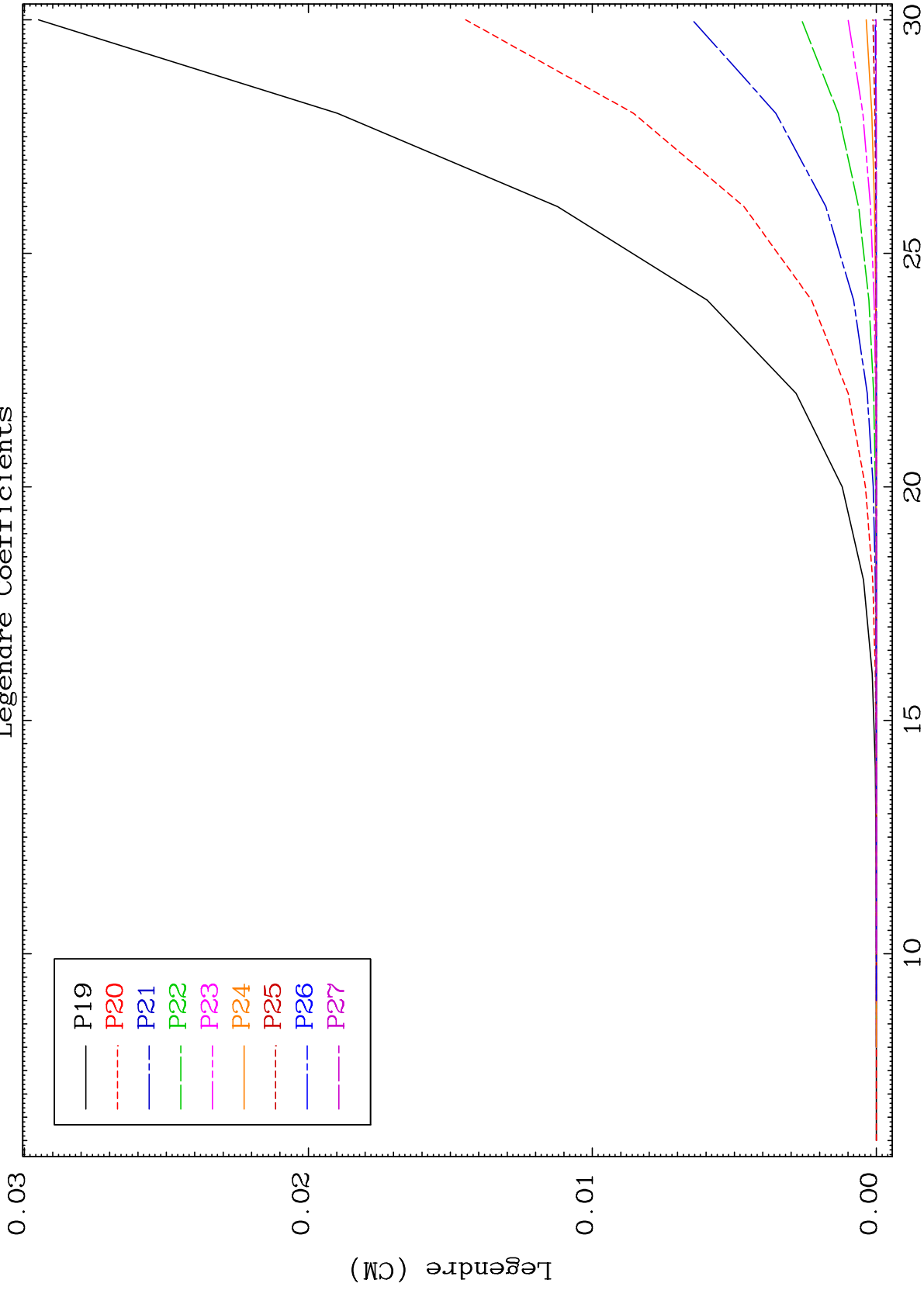
Incident Energy (MeV)

72-Hf-176

MAT 7231

Elastic Legendre Coefficients

72-Hf-176



18

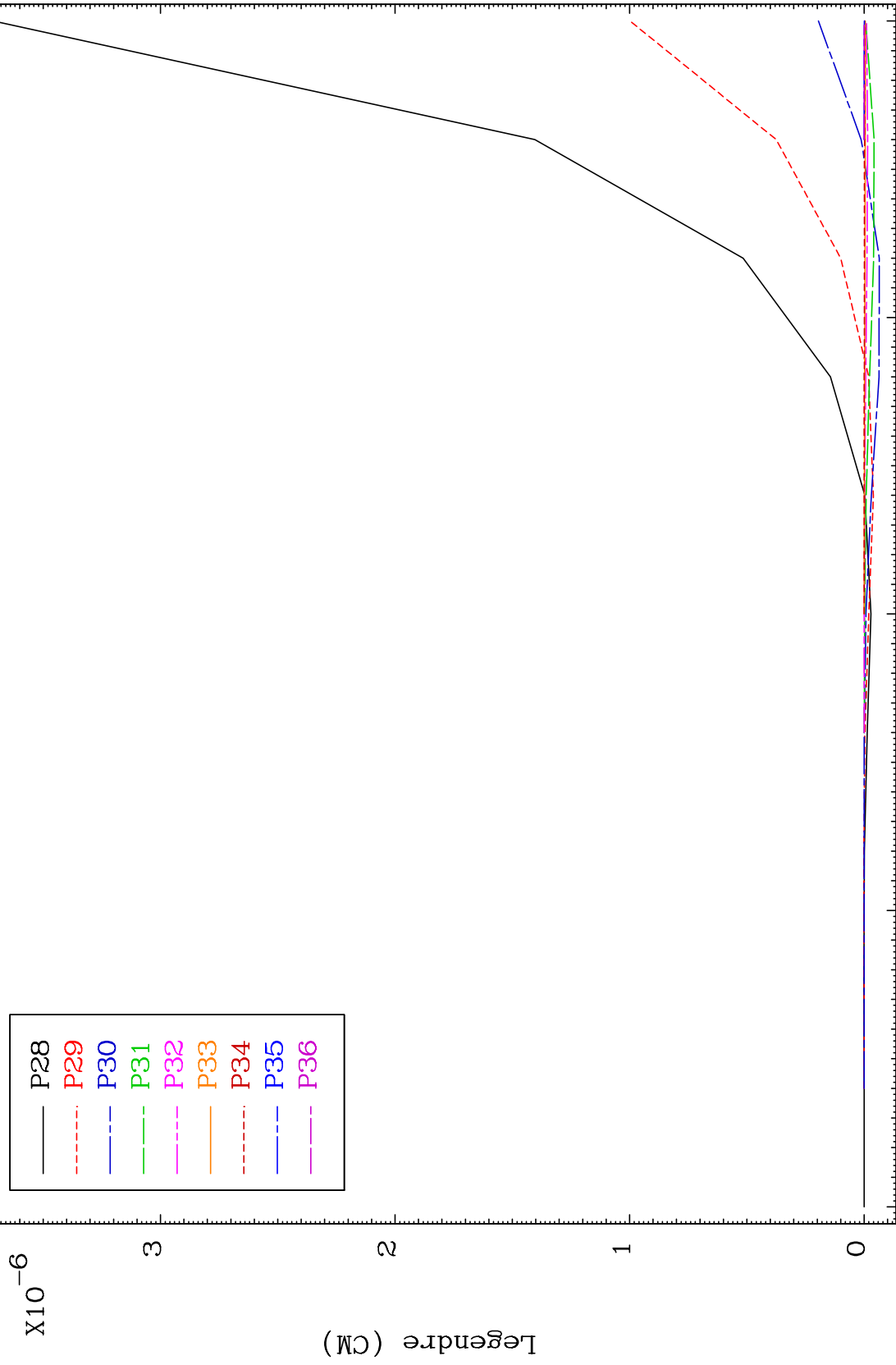
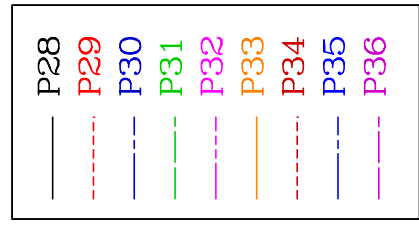
Incident Energy (MeV)

72-Hf-176

MAT 7231

Elastic Legendre Coefficients

72-Hf-176



19

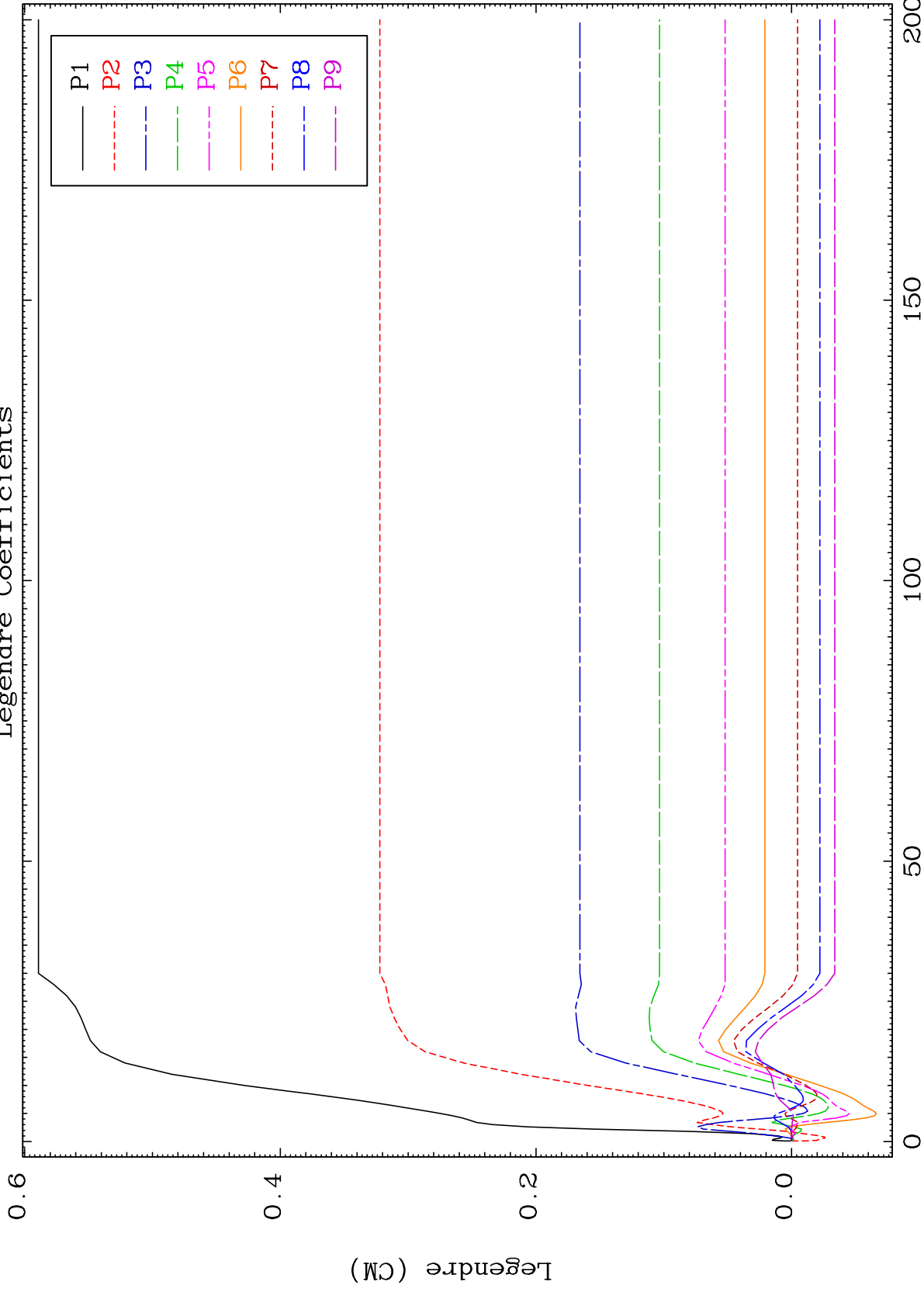
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



72-Hf-176

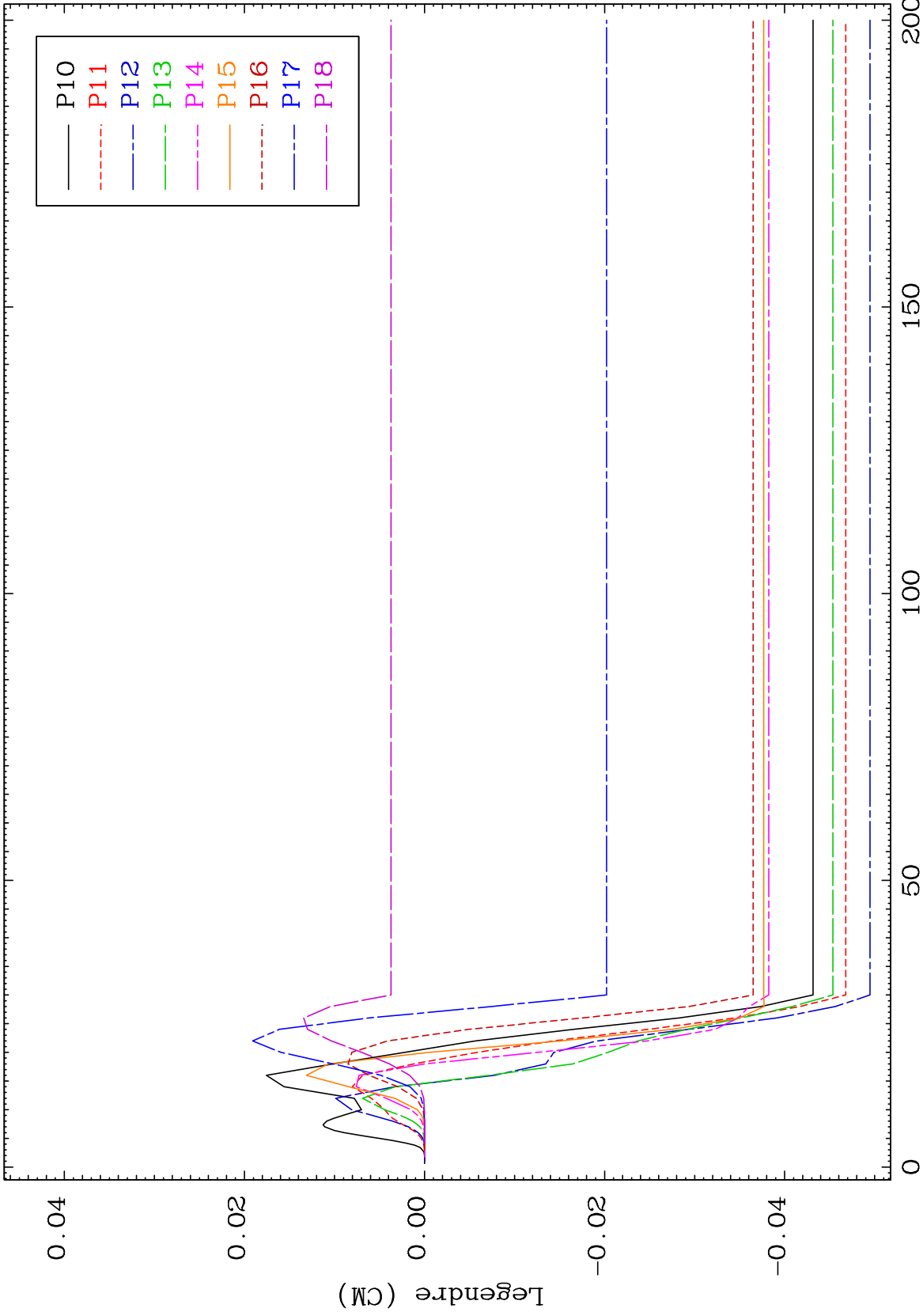
Incident Energy (MeV)

20

MAT 7231

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

72-Hf-176



21

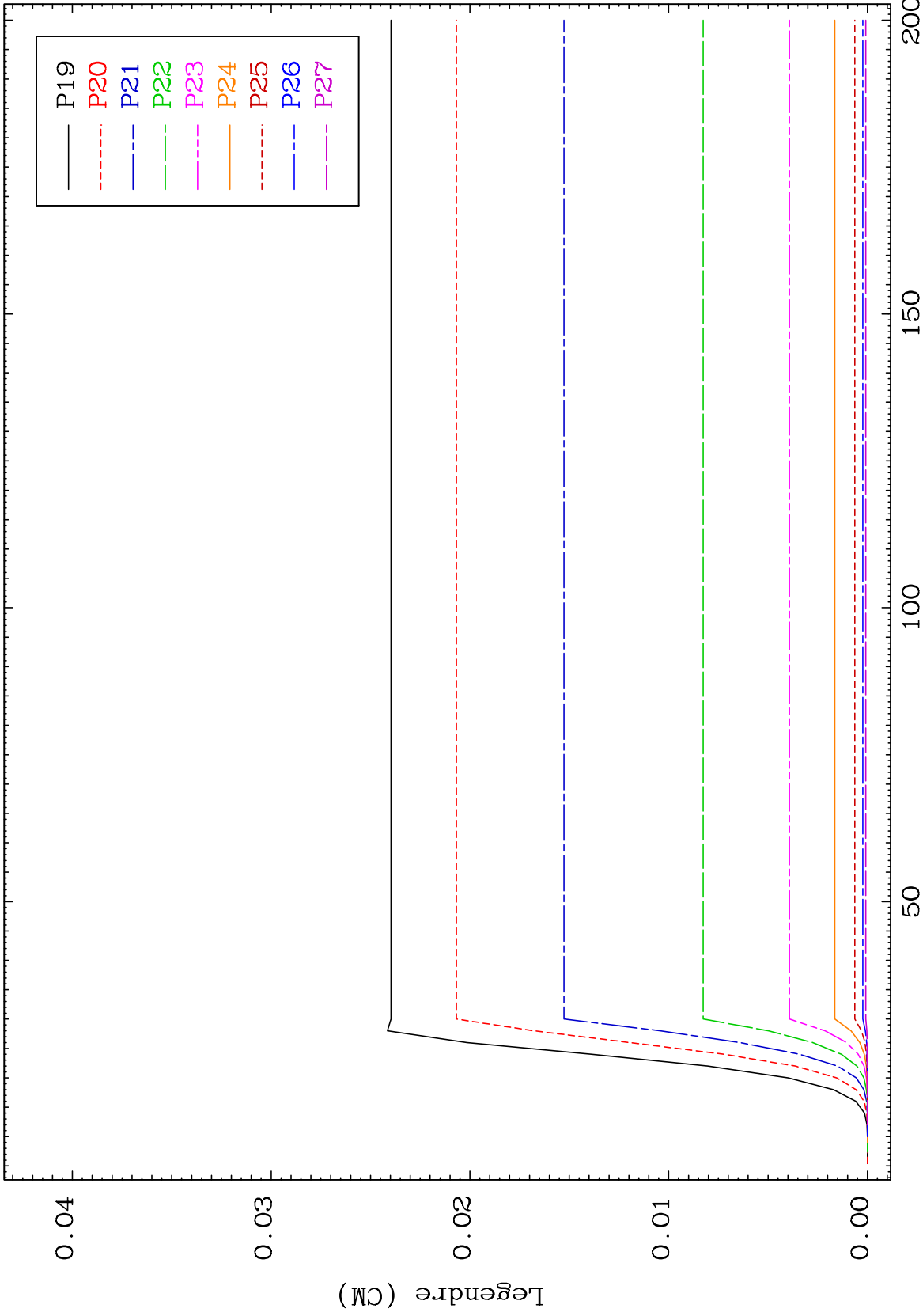
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



22

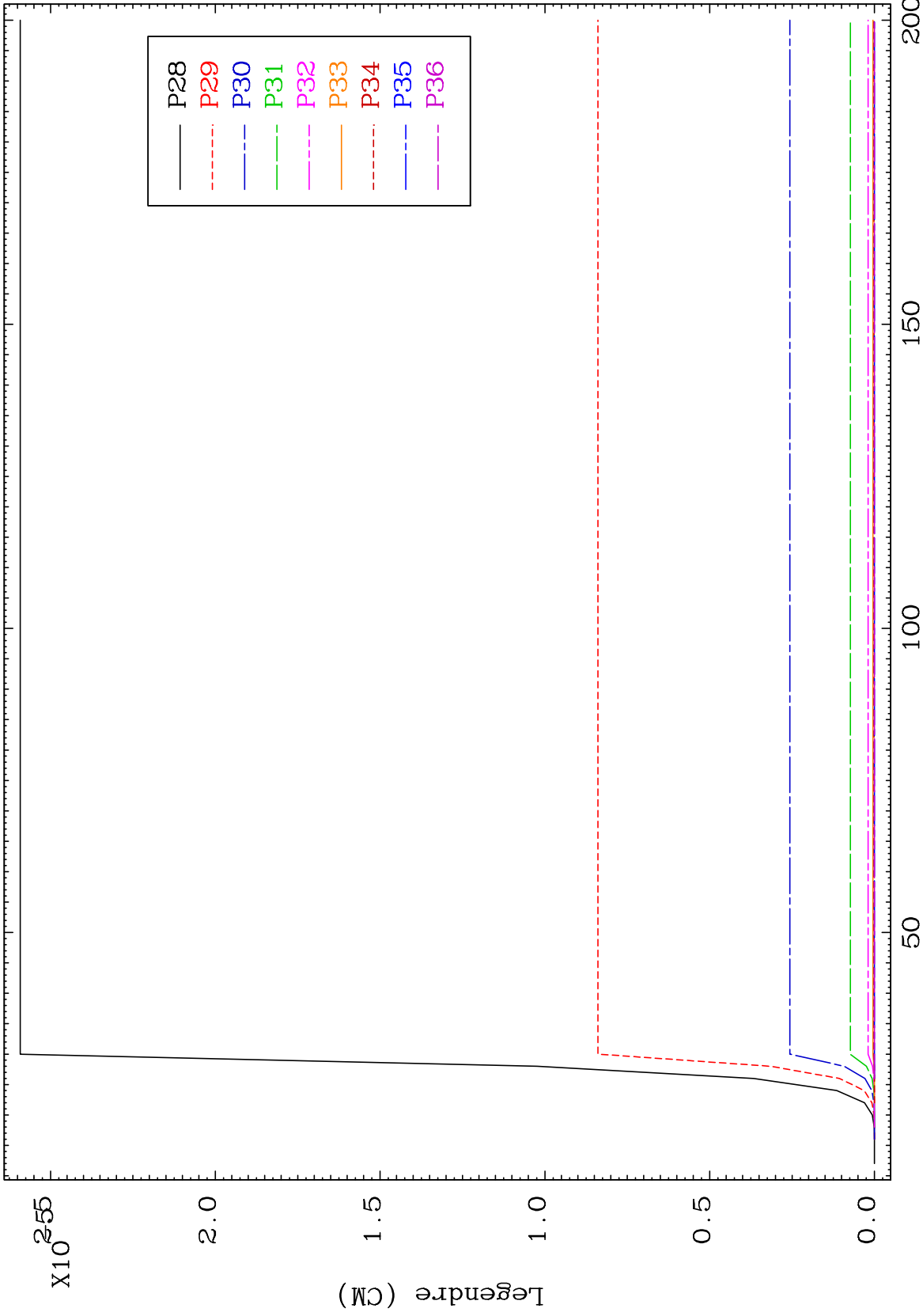
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



23

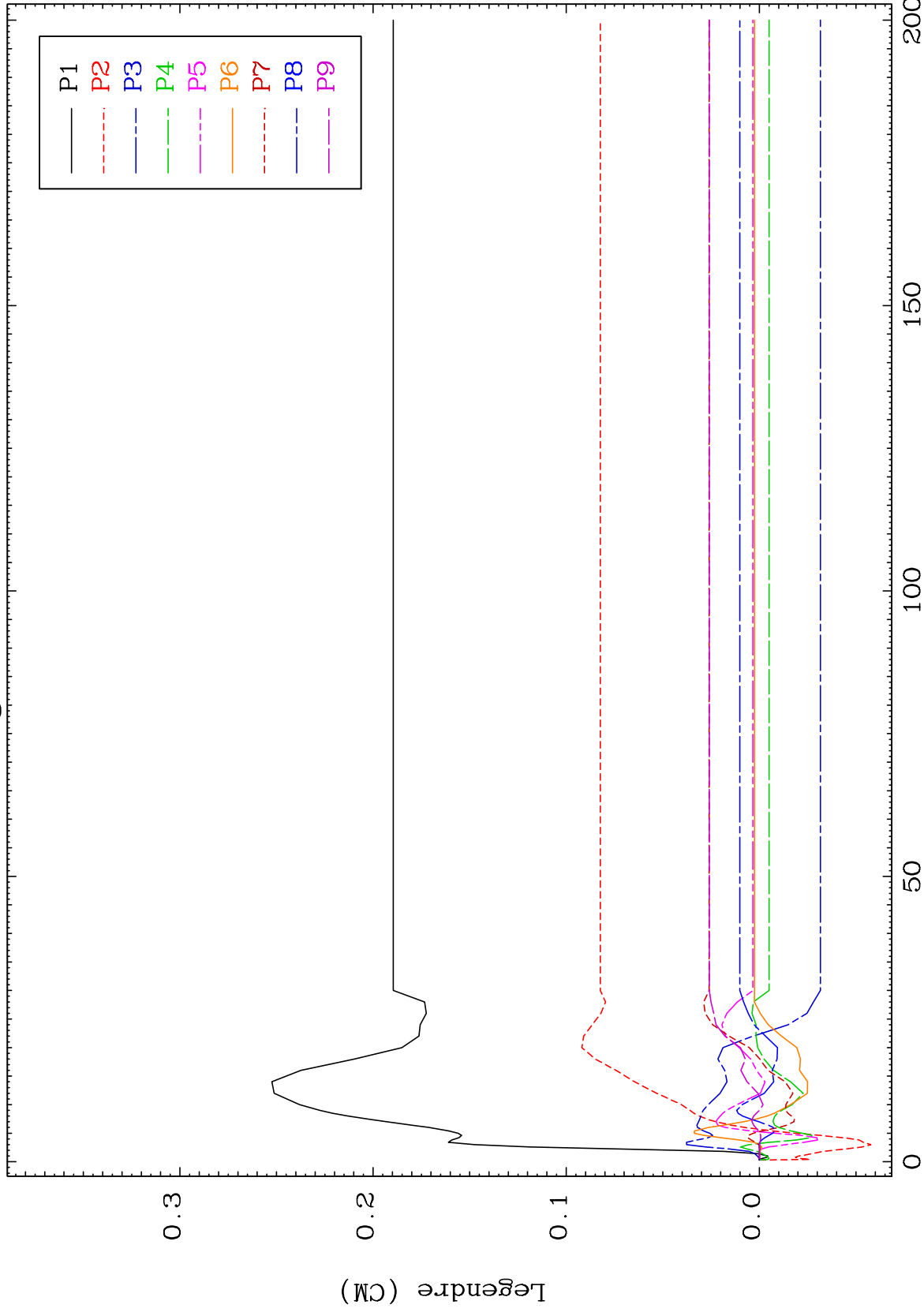
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



24

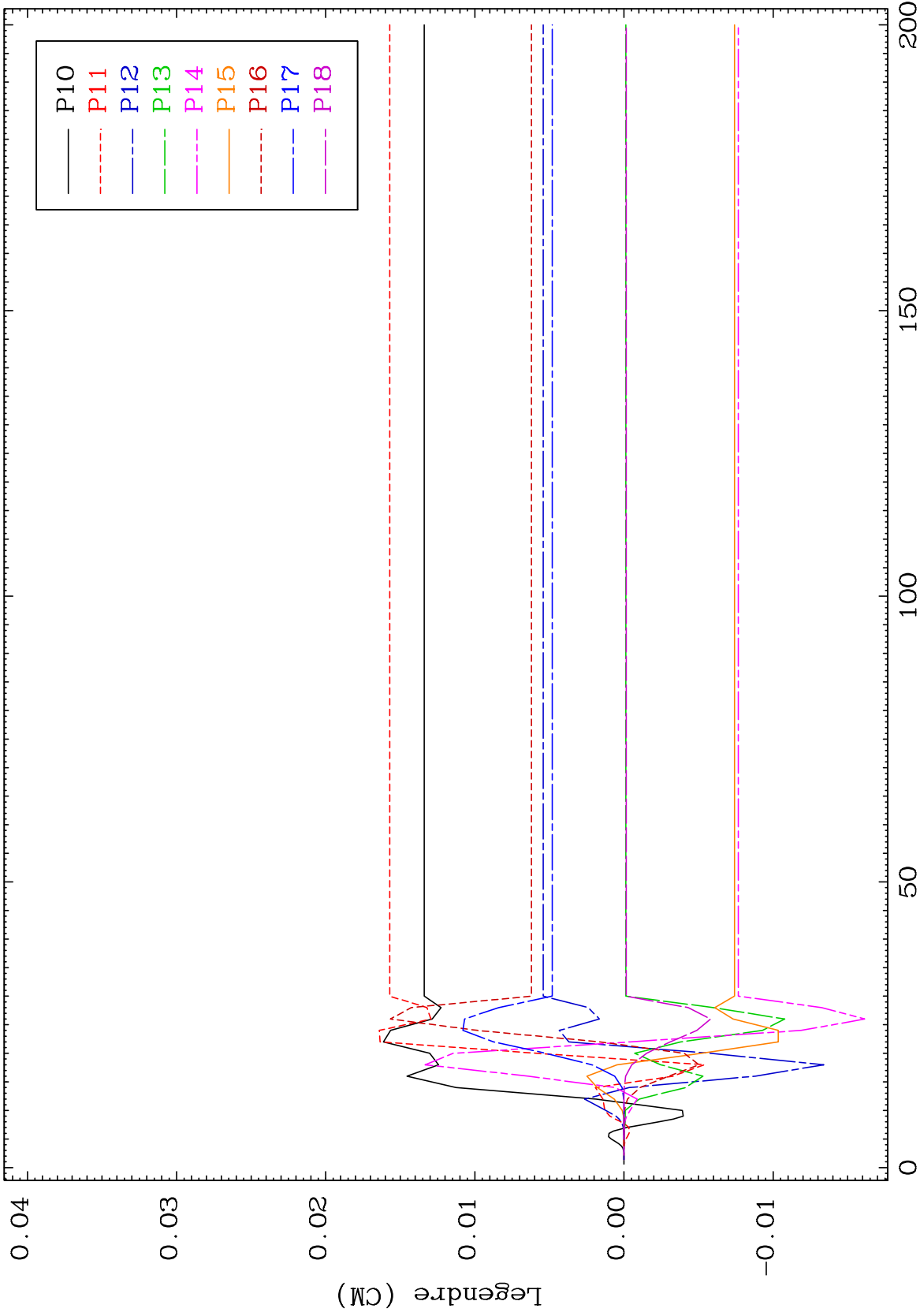
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



25

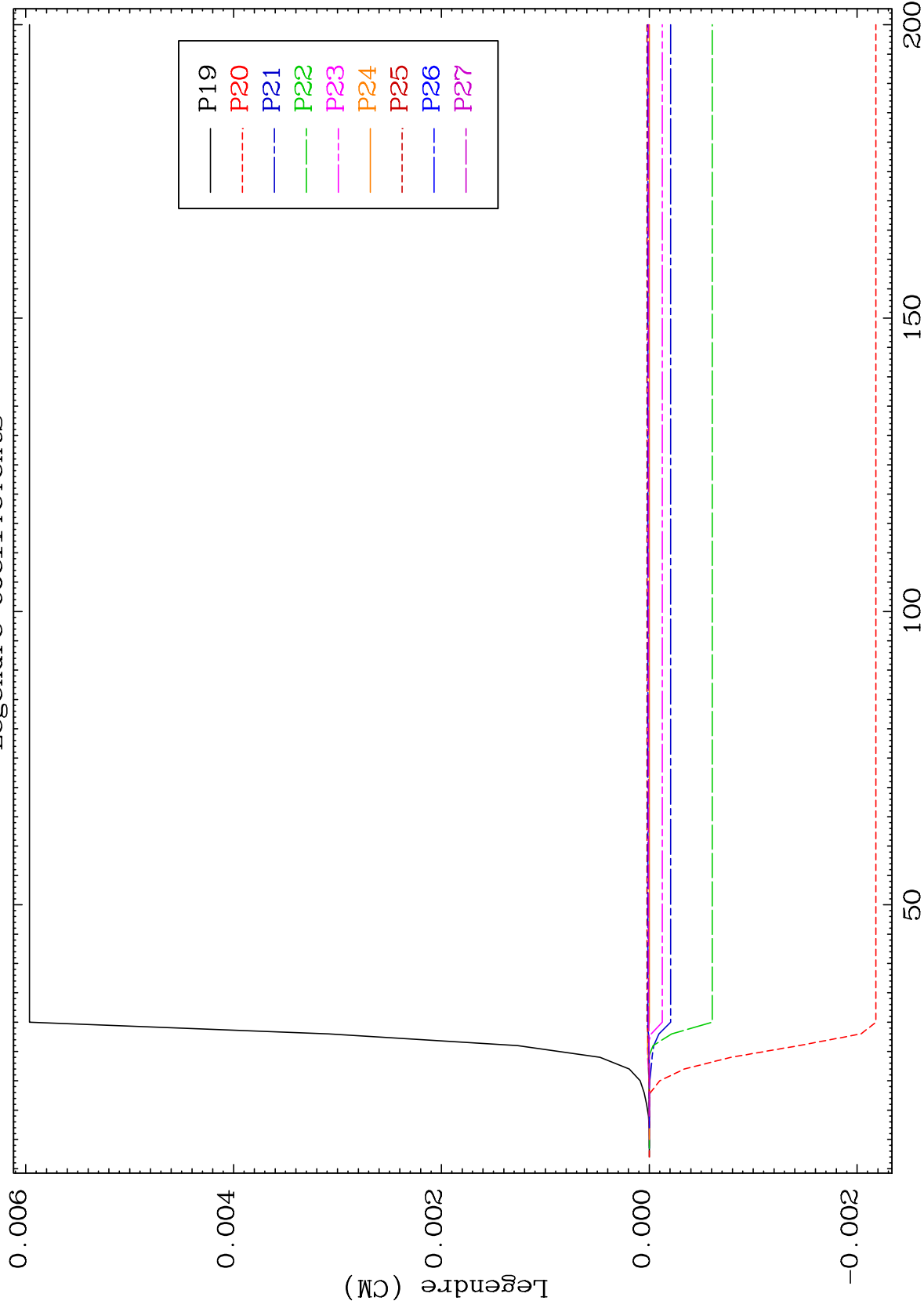
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



26

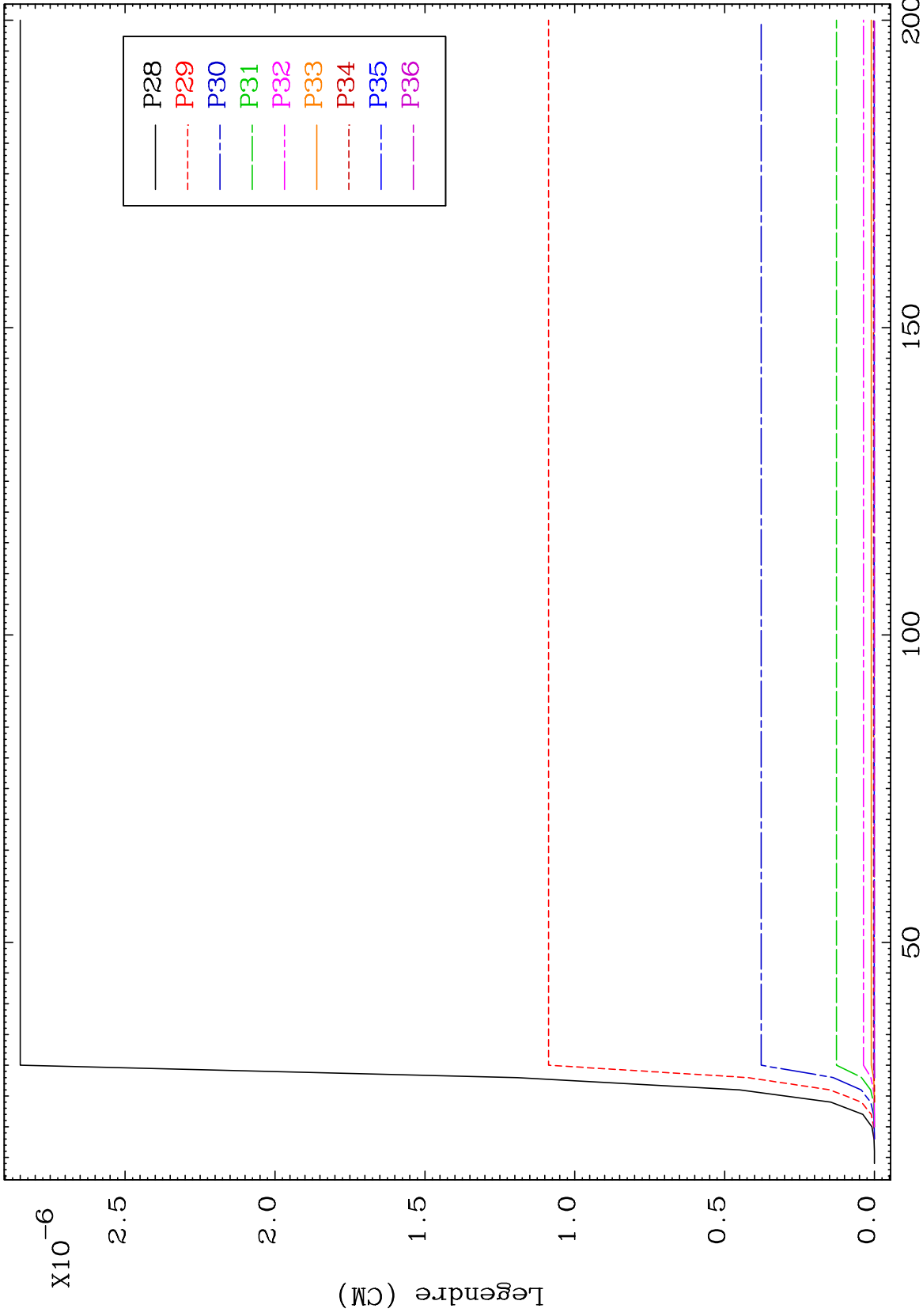
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



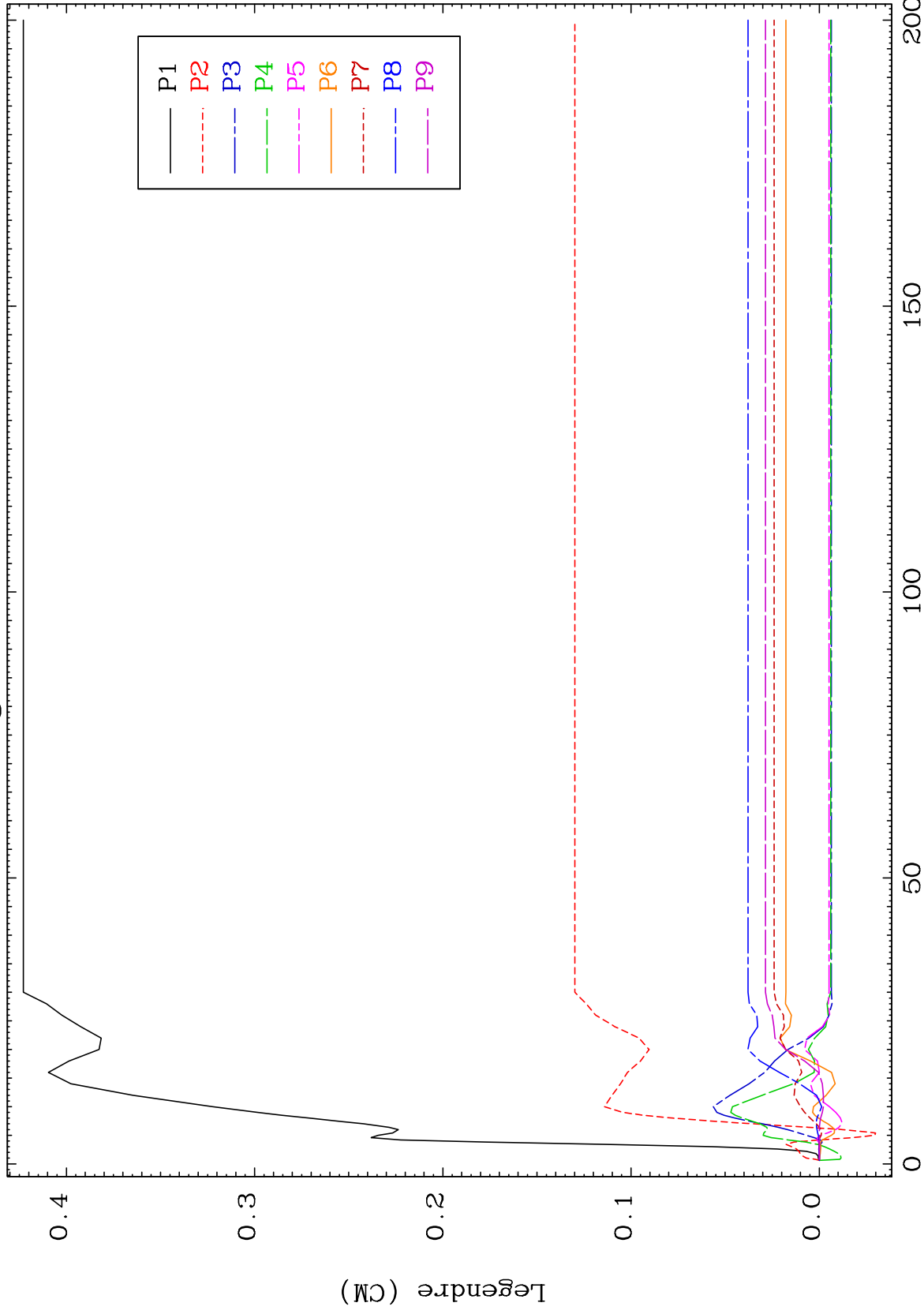
27

72-Hf-176

MAT 7231

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

72-Hf-176



28

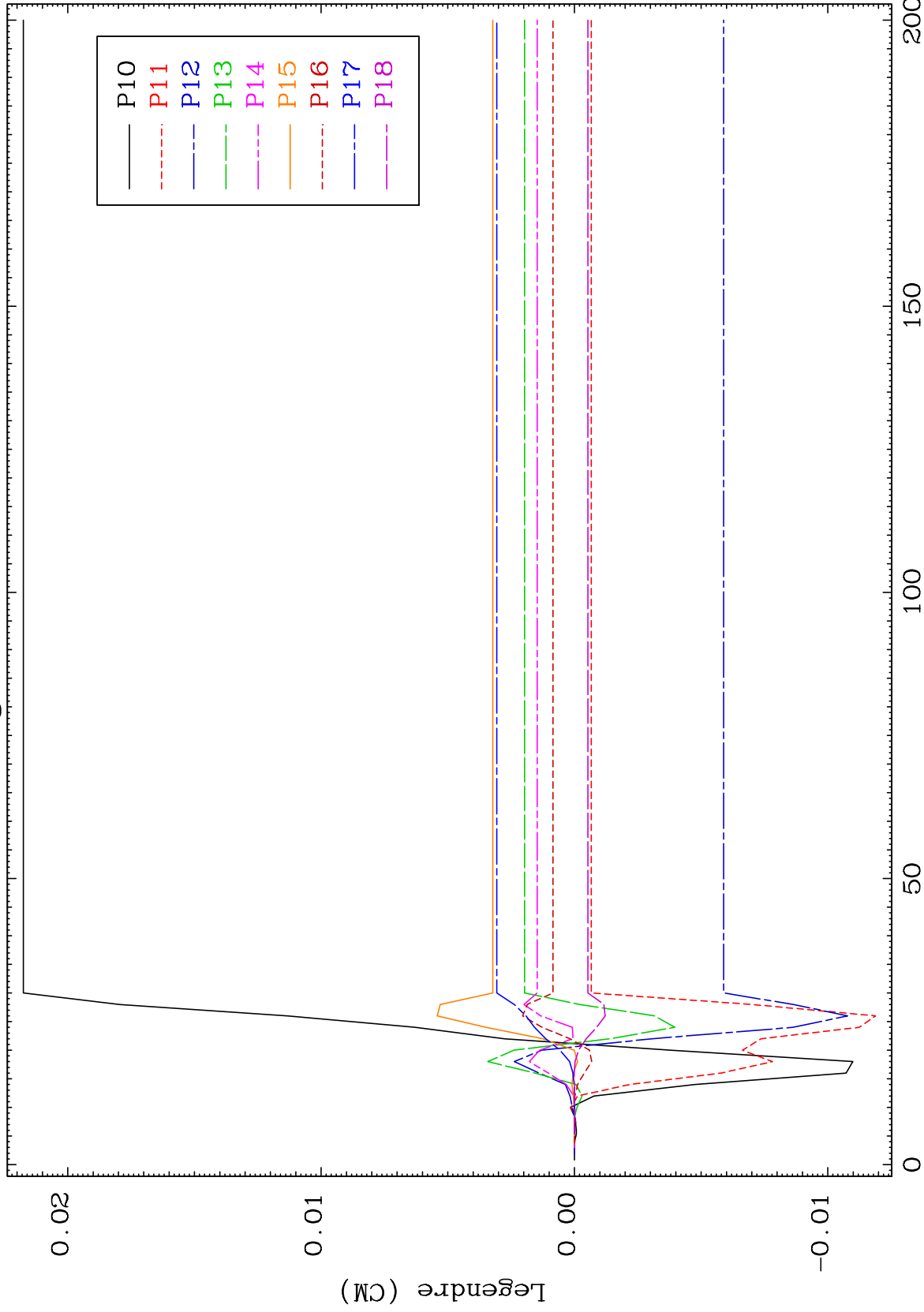
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



29

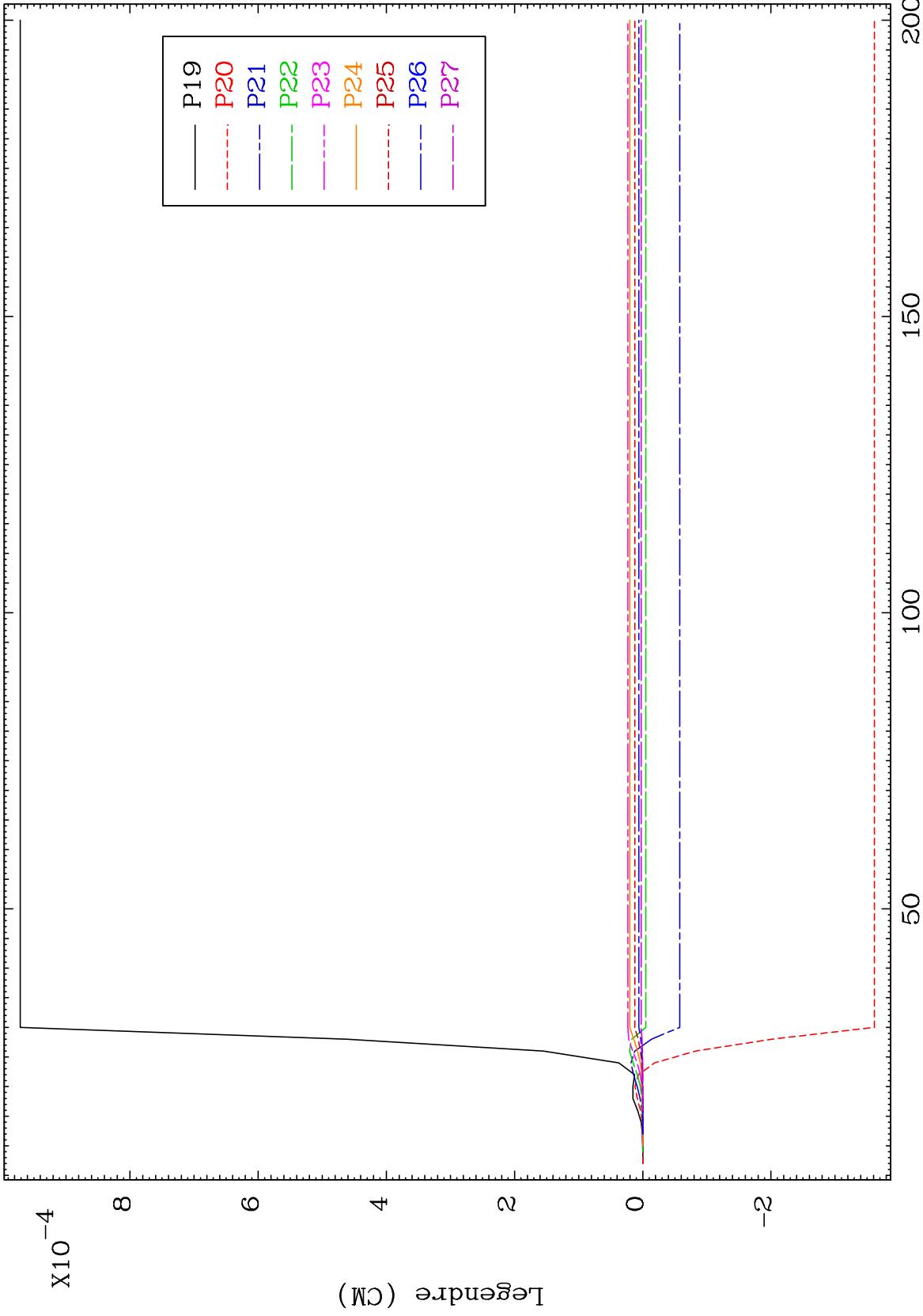
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

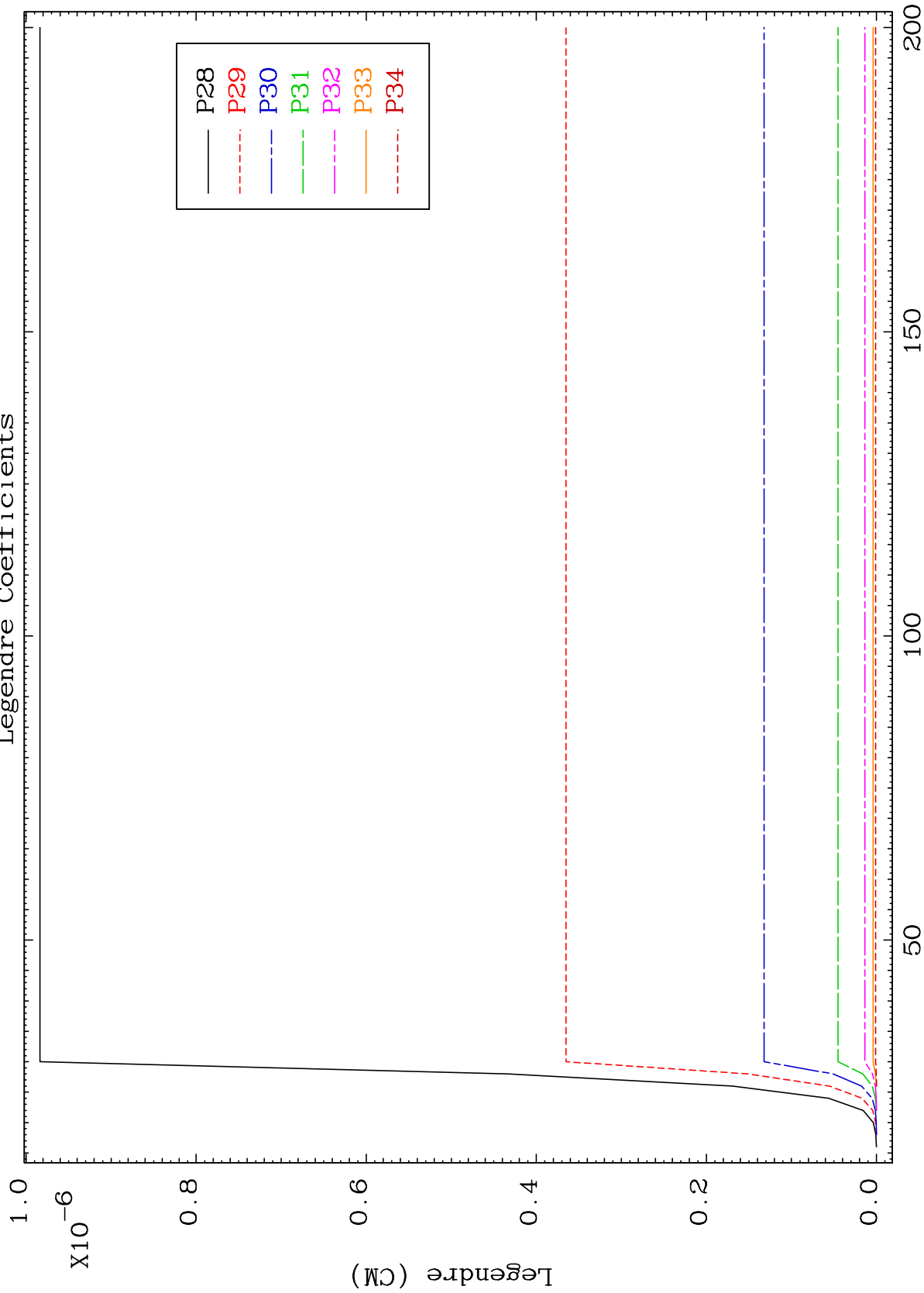
72-Hf-176



30

Incident Energy (MeV)

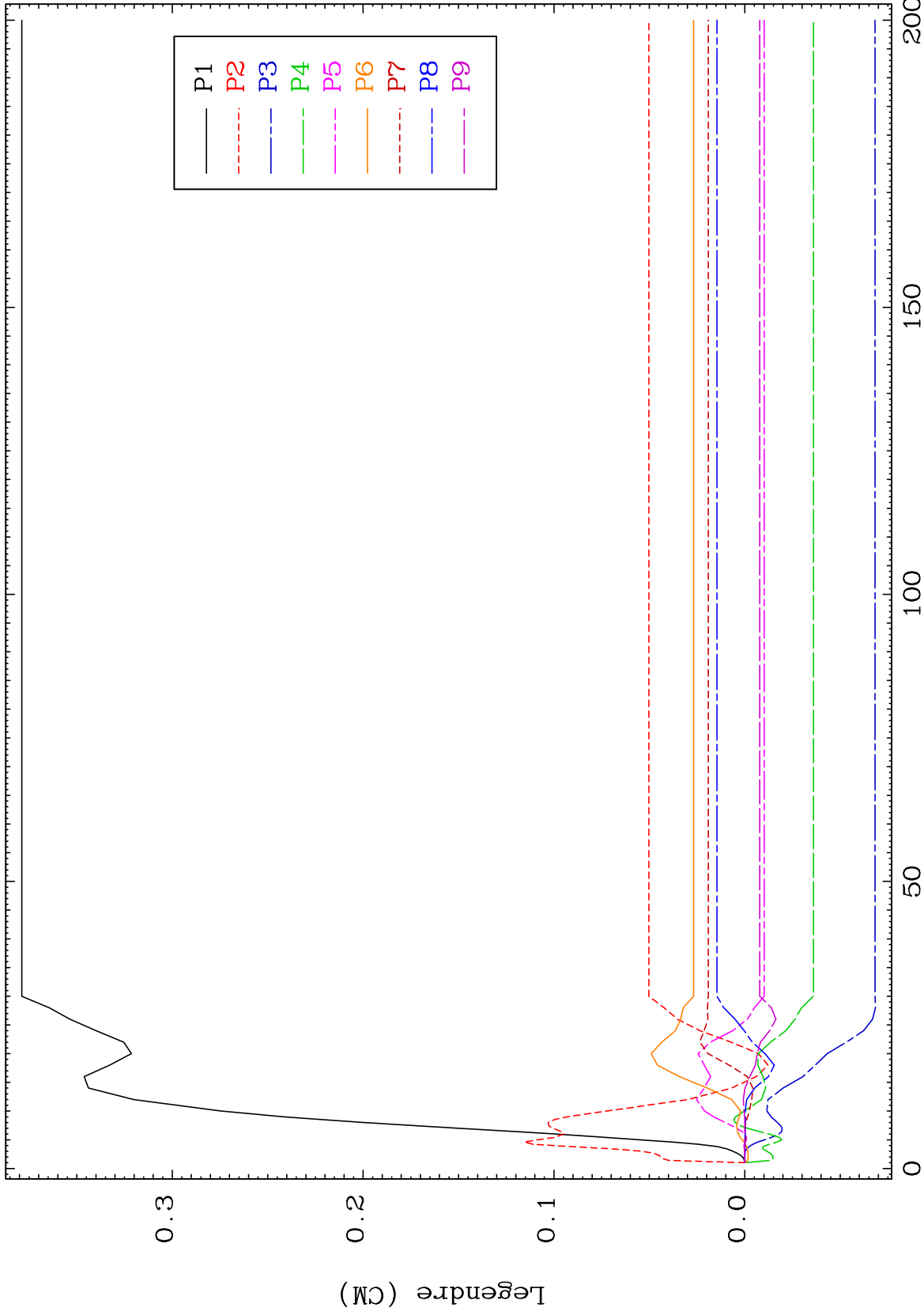
72-Hf-176



MAT 7231

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

72-Hf-176



32

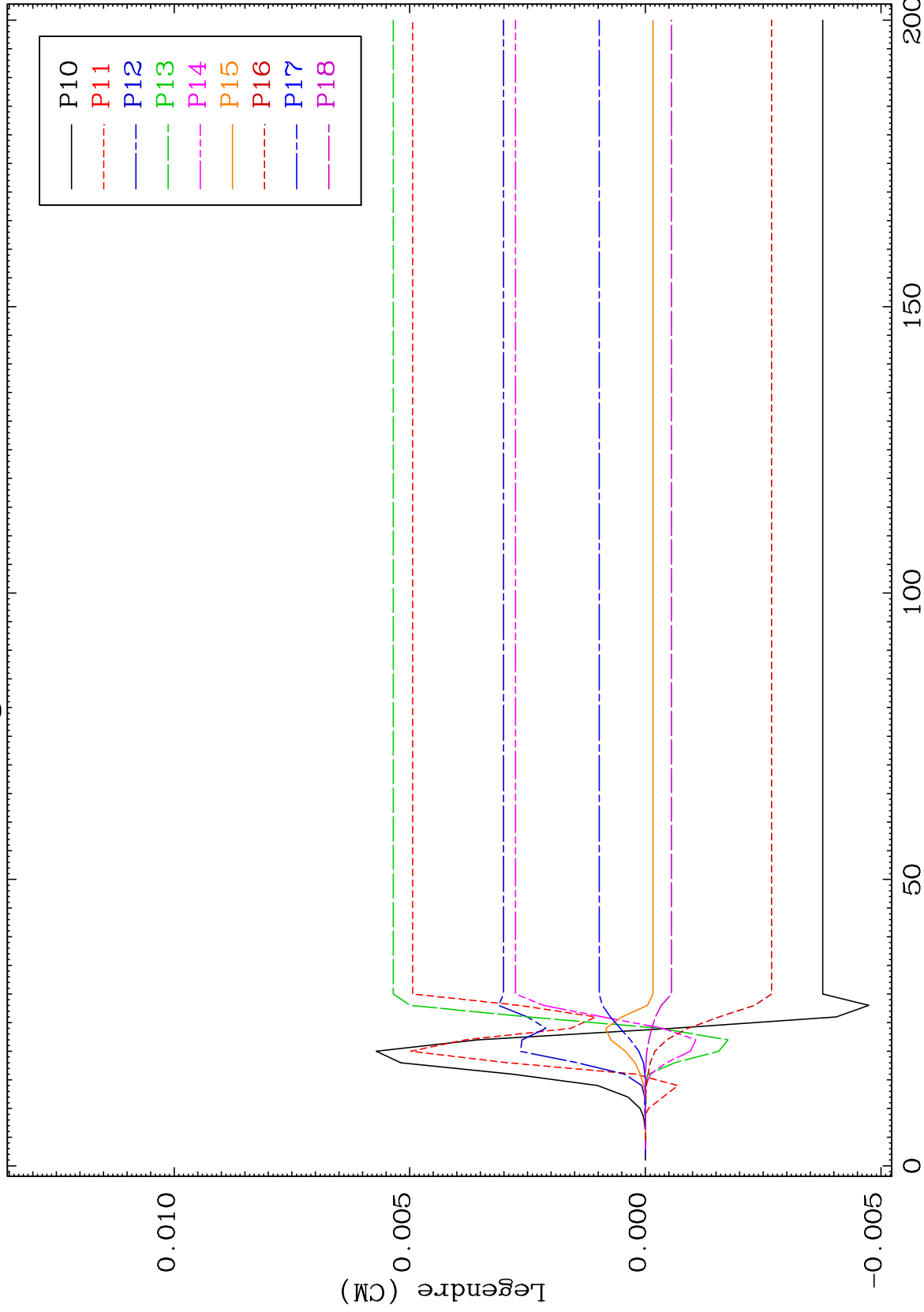
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



33

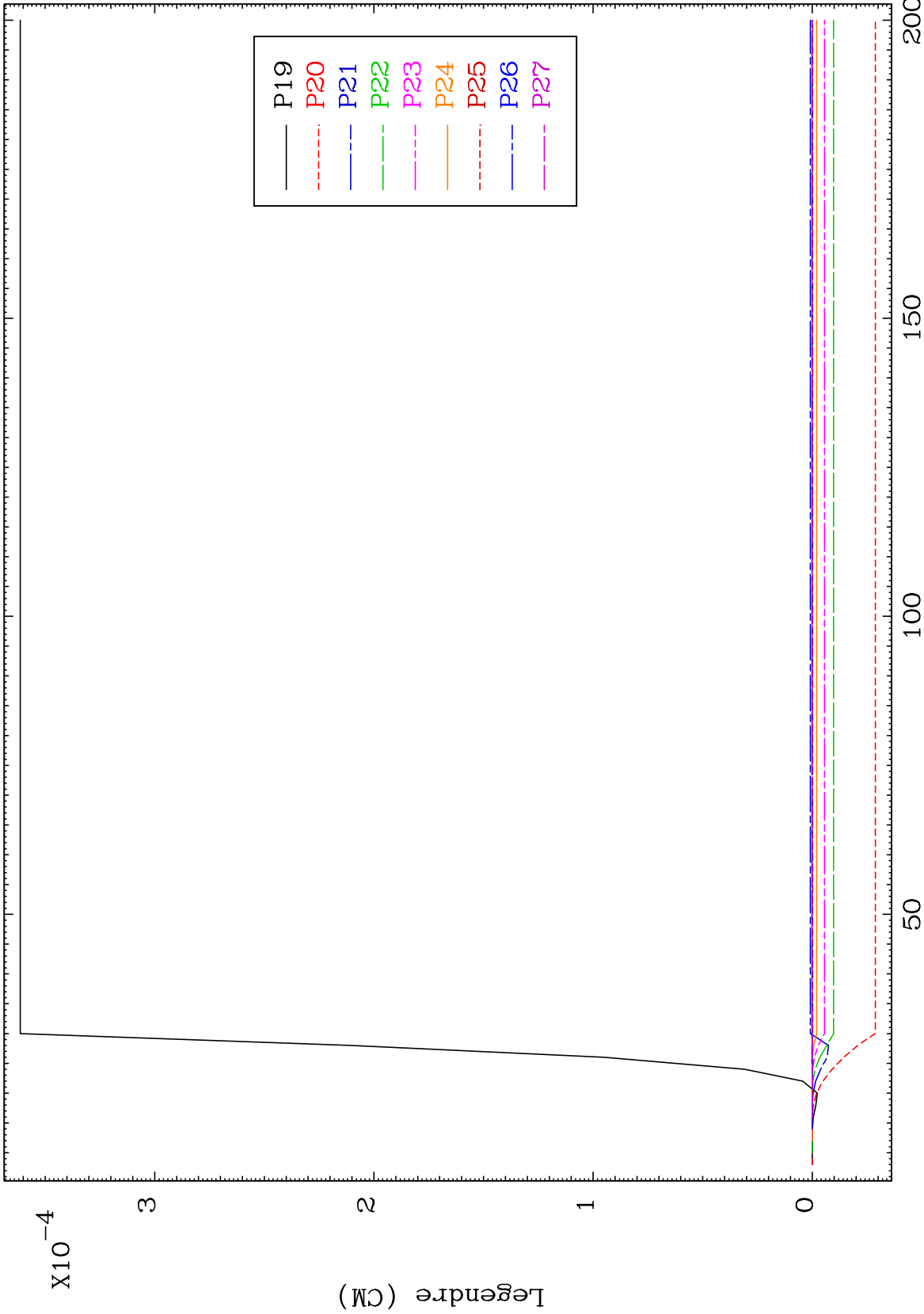
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



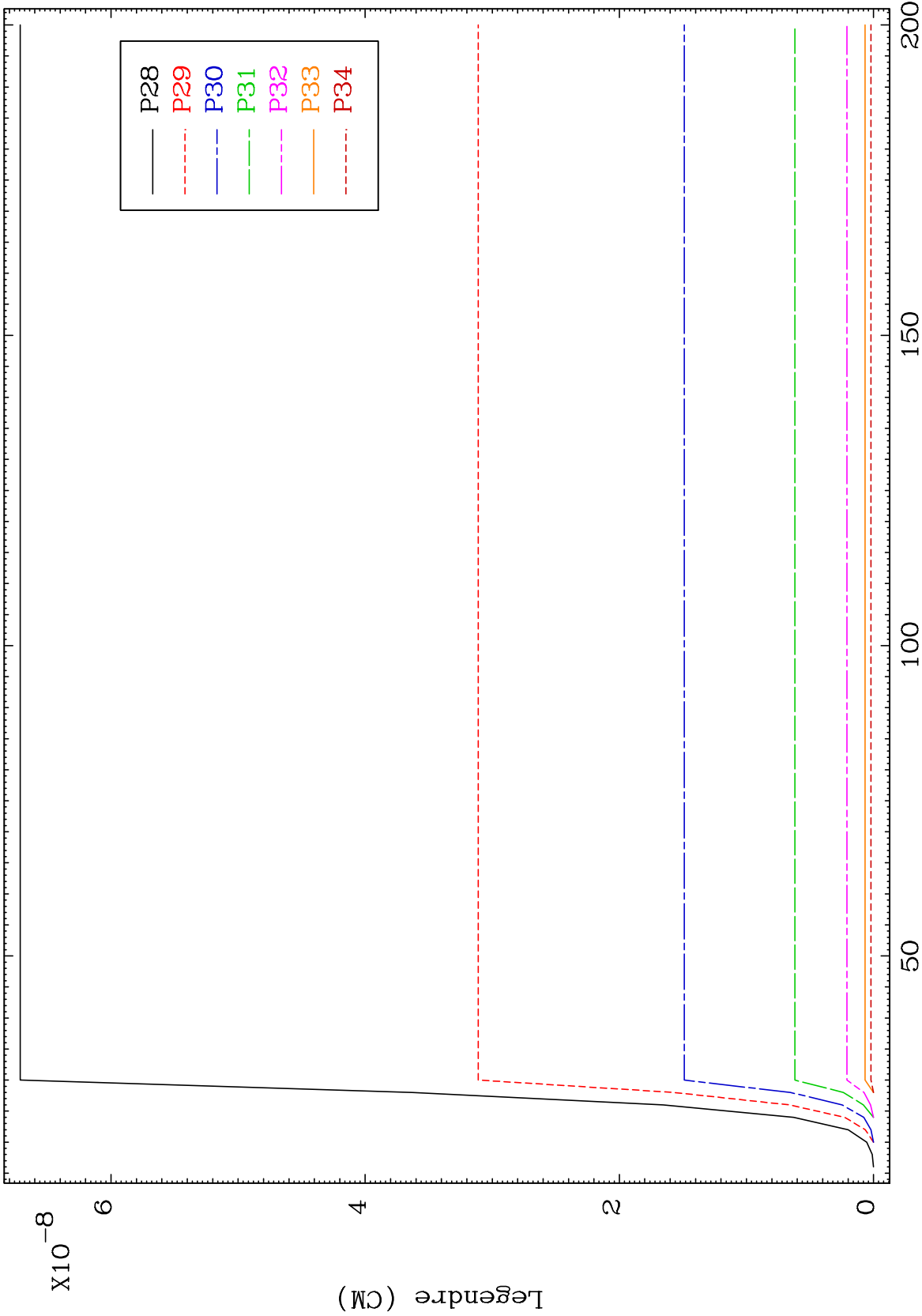
34

72-Hf-176

MAT 7231

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

72-Hf-176



35

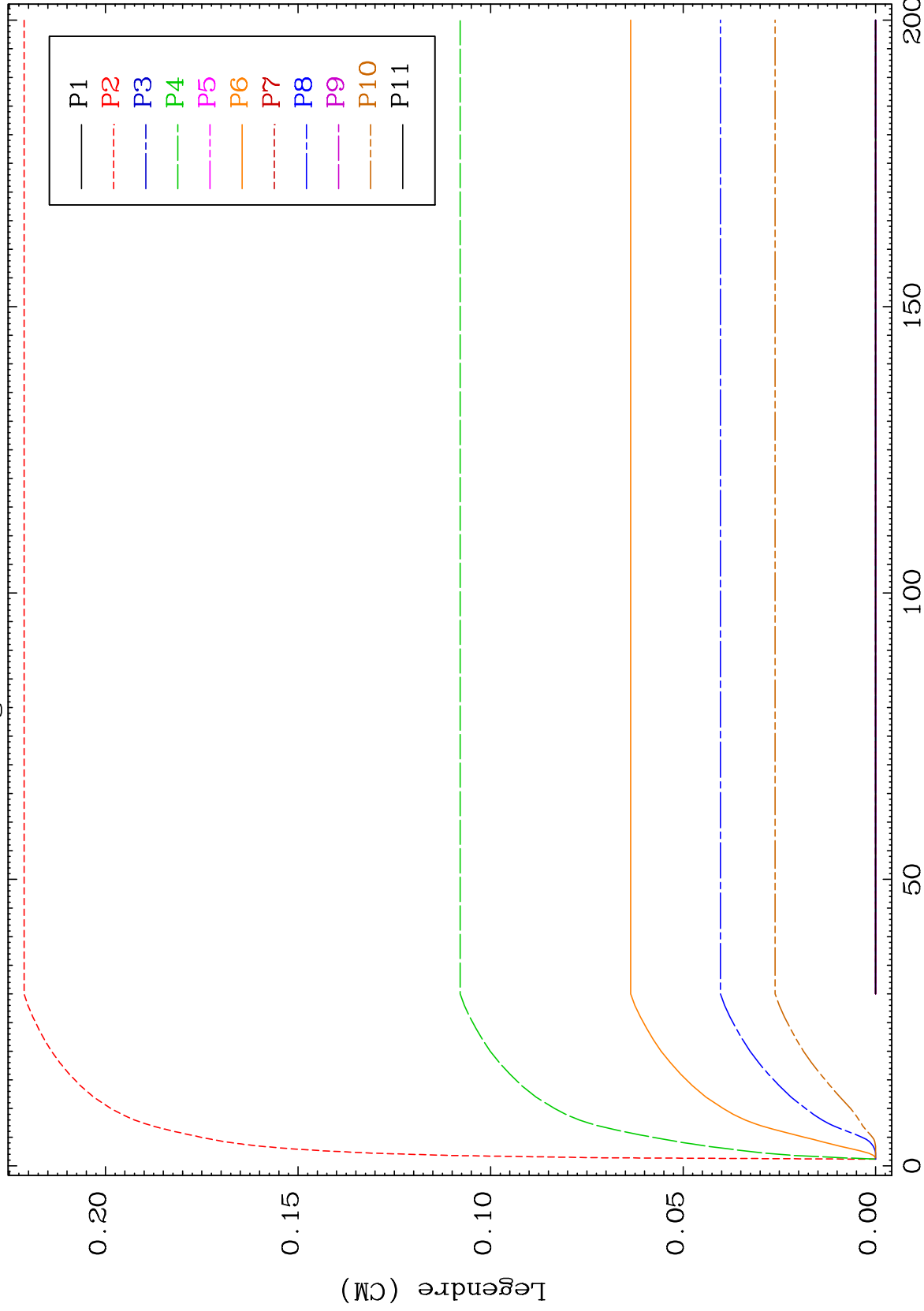
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



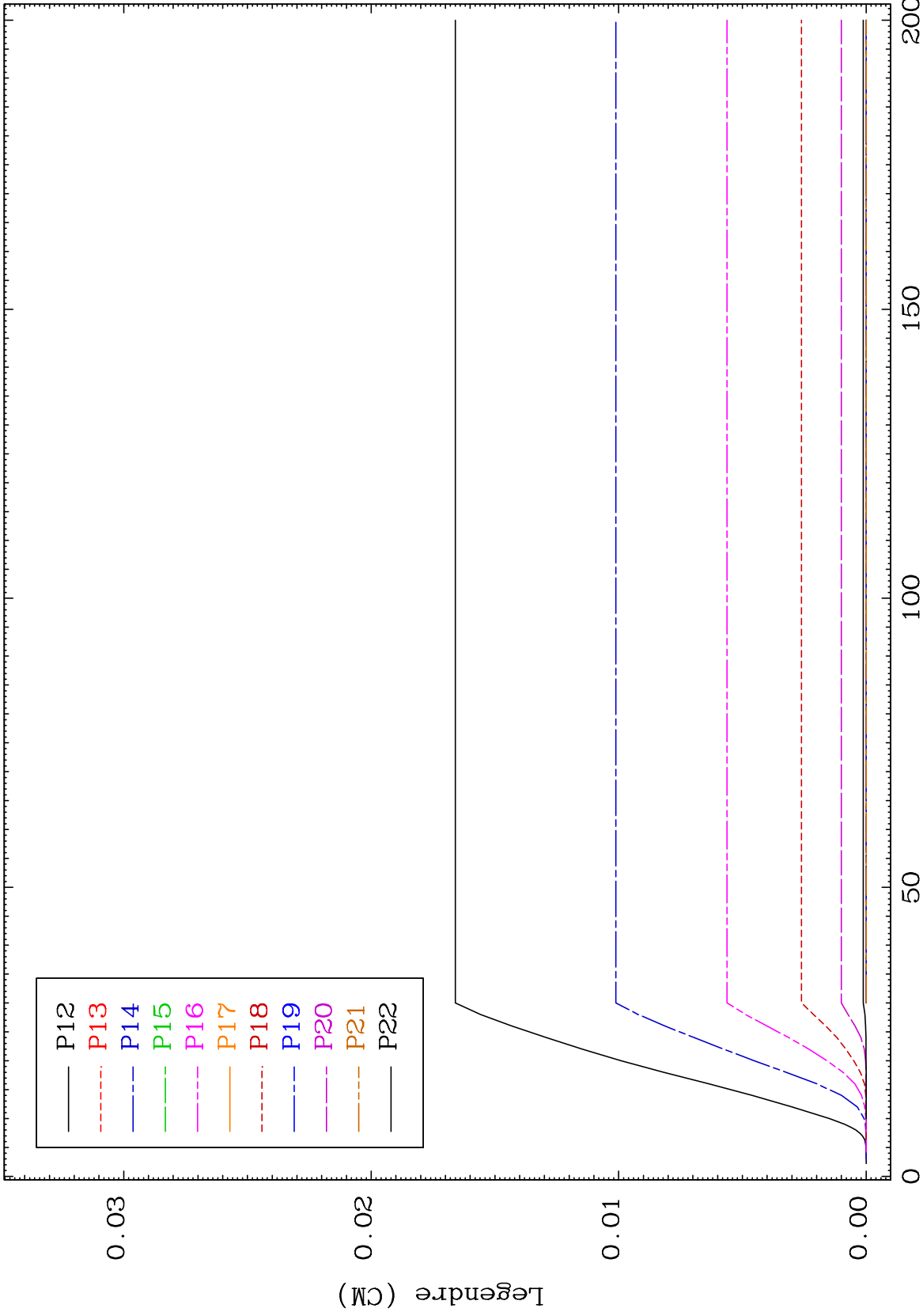
36

72-Hf-176

MAT 7231

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

72-Hf-176



37

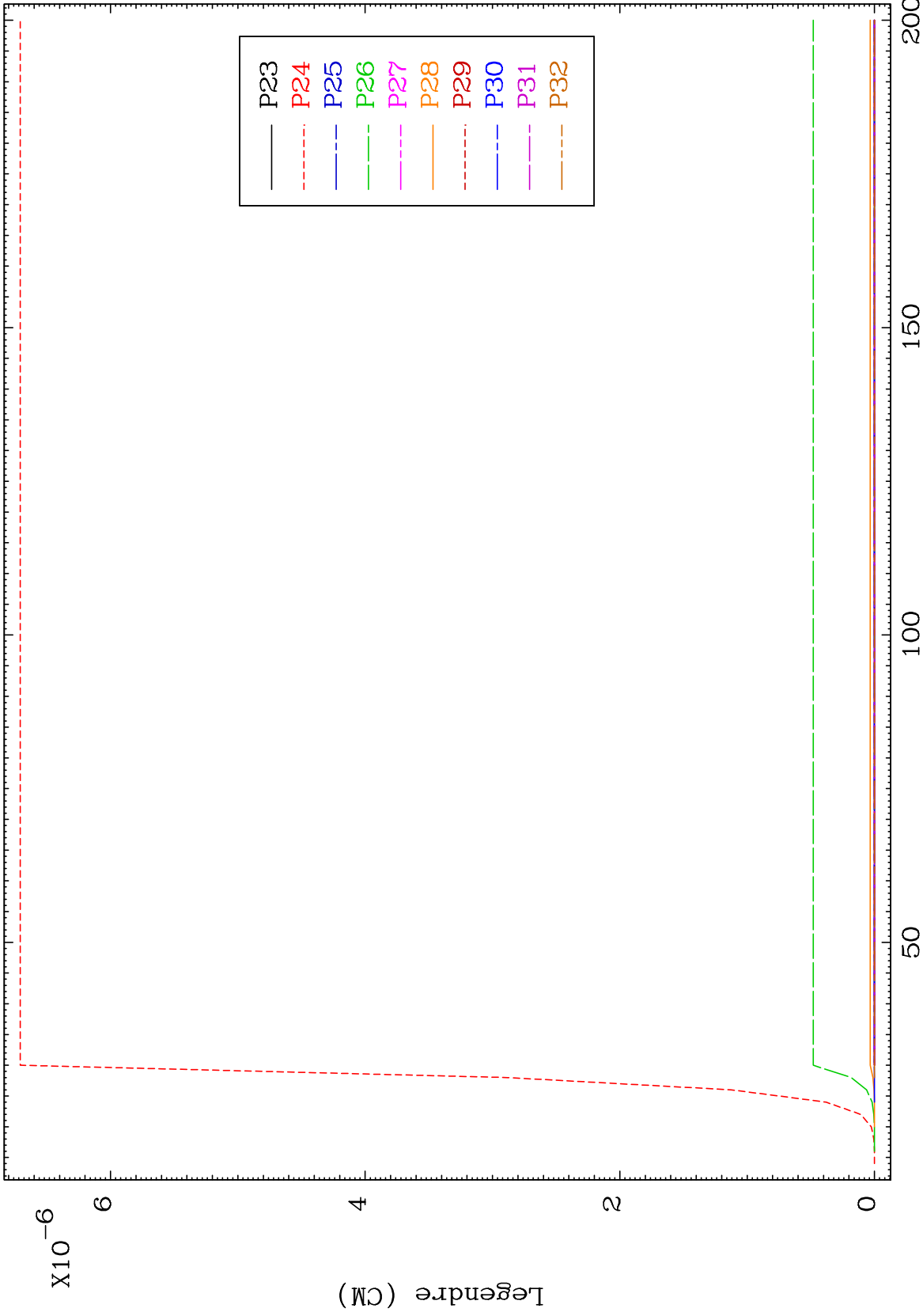
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



38

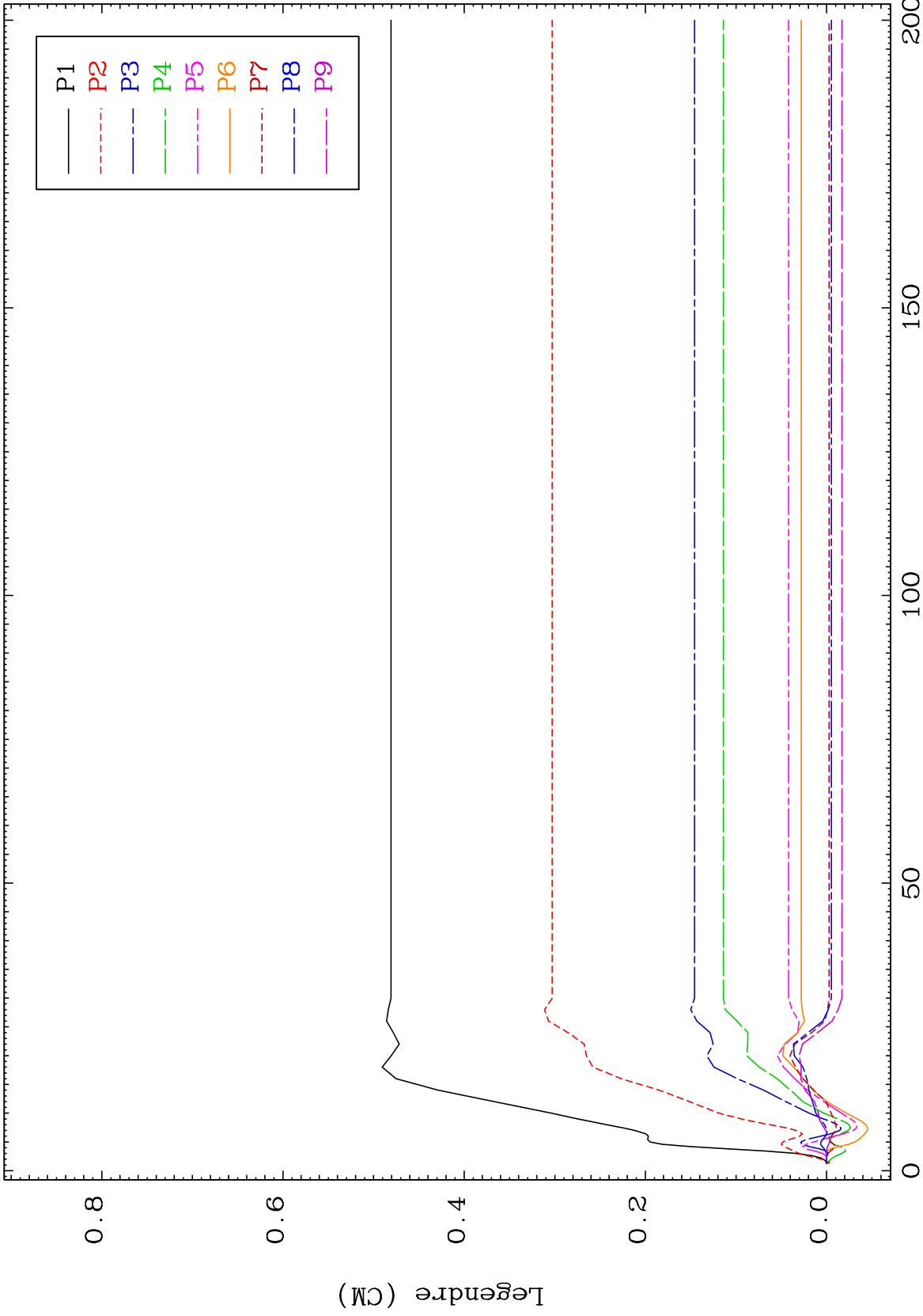
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176

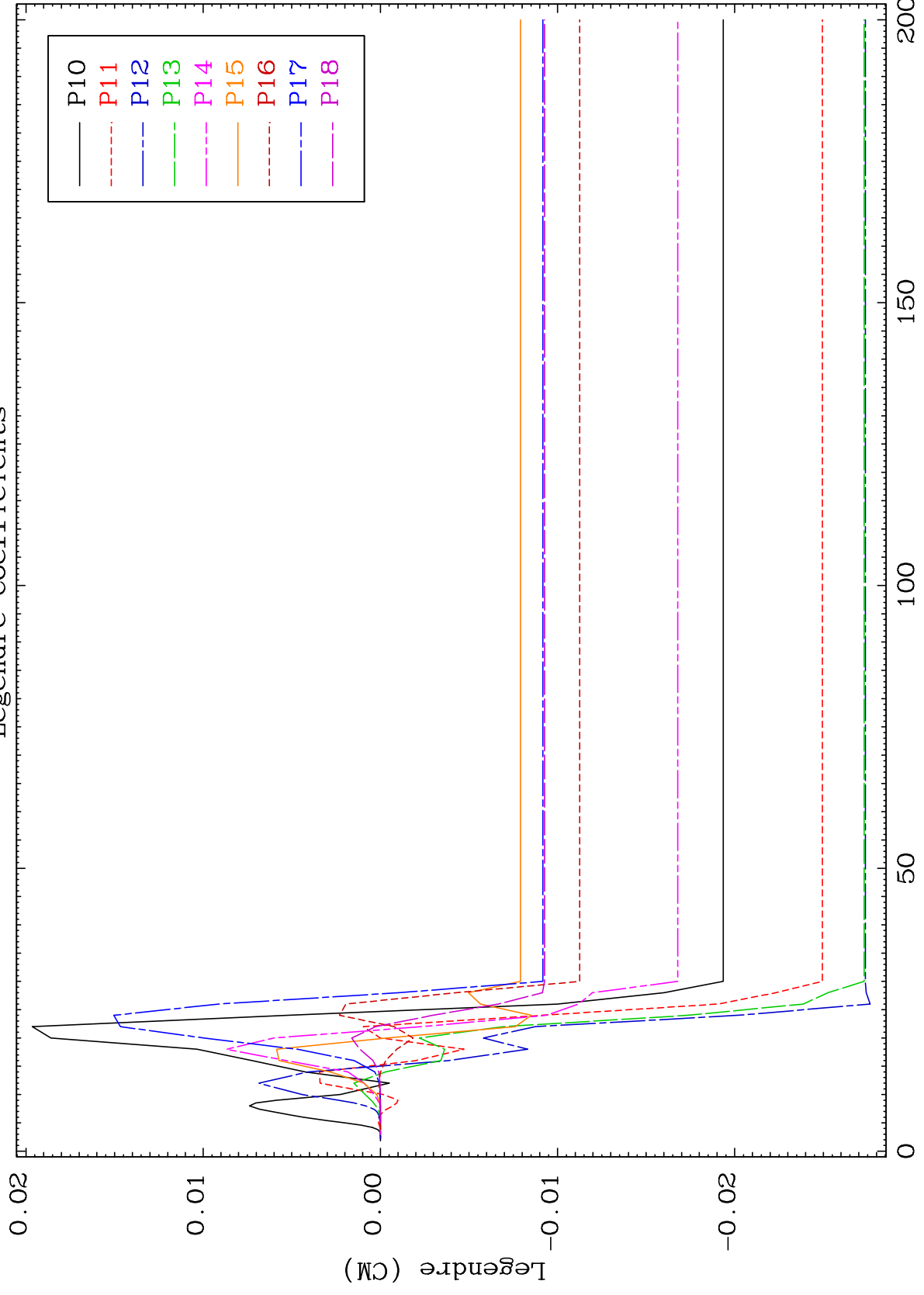


39

Incident Energy (MeV)

72-Hf-176

MAT 7231 MT= 56 (n,n') Level Legendre Coefficients 72-Hf-176

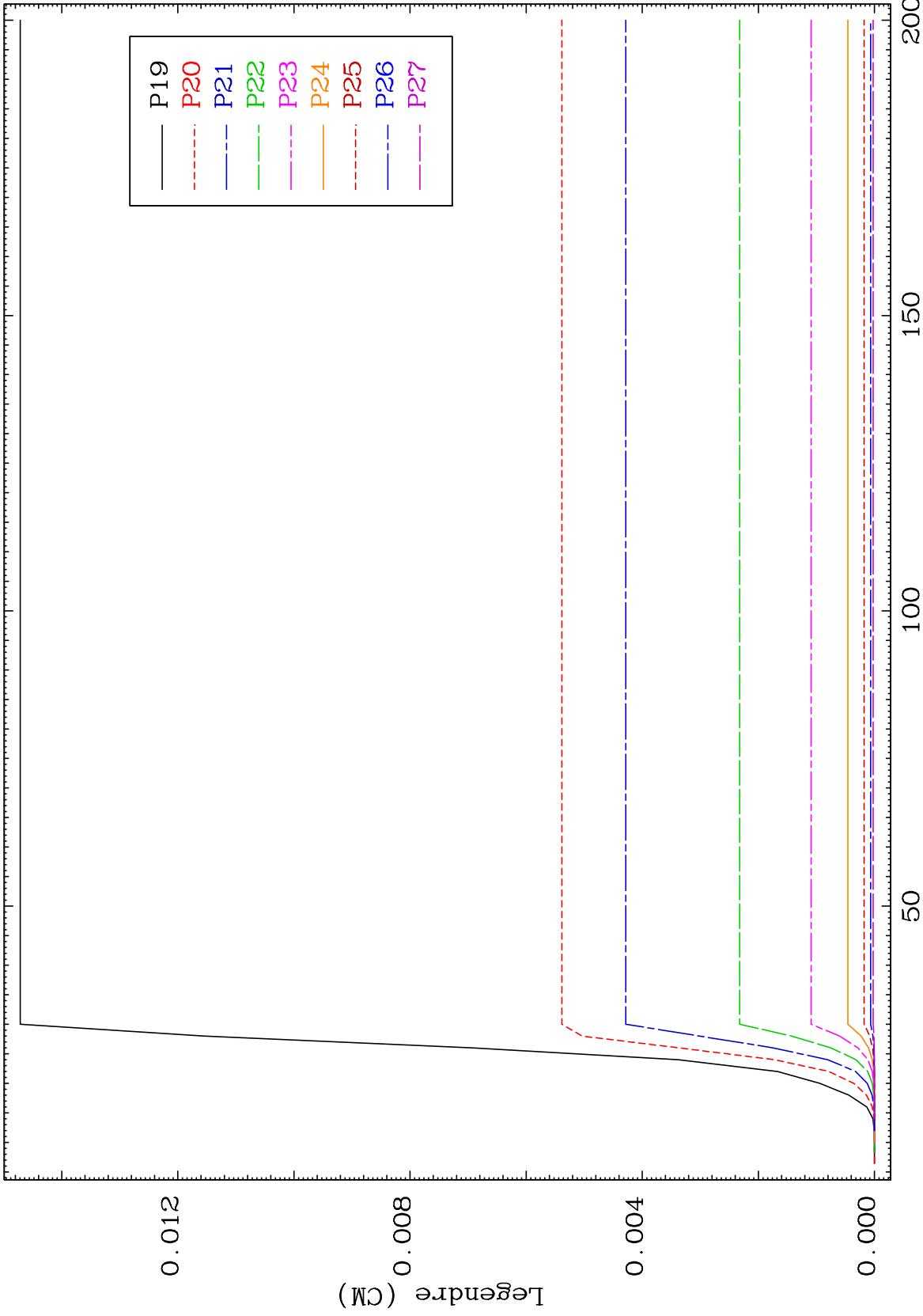


40 Incident Energy (MeV) 72-Hf-176

MAT 7231

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

72-Hf-176



41

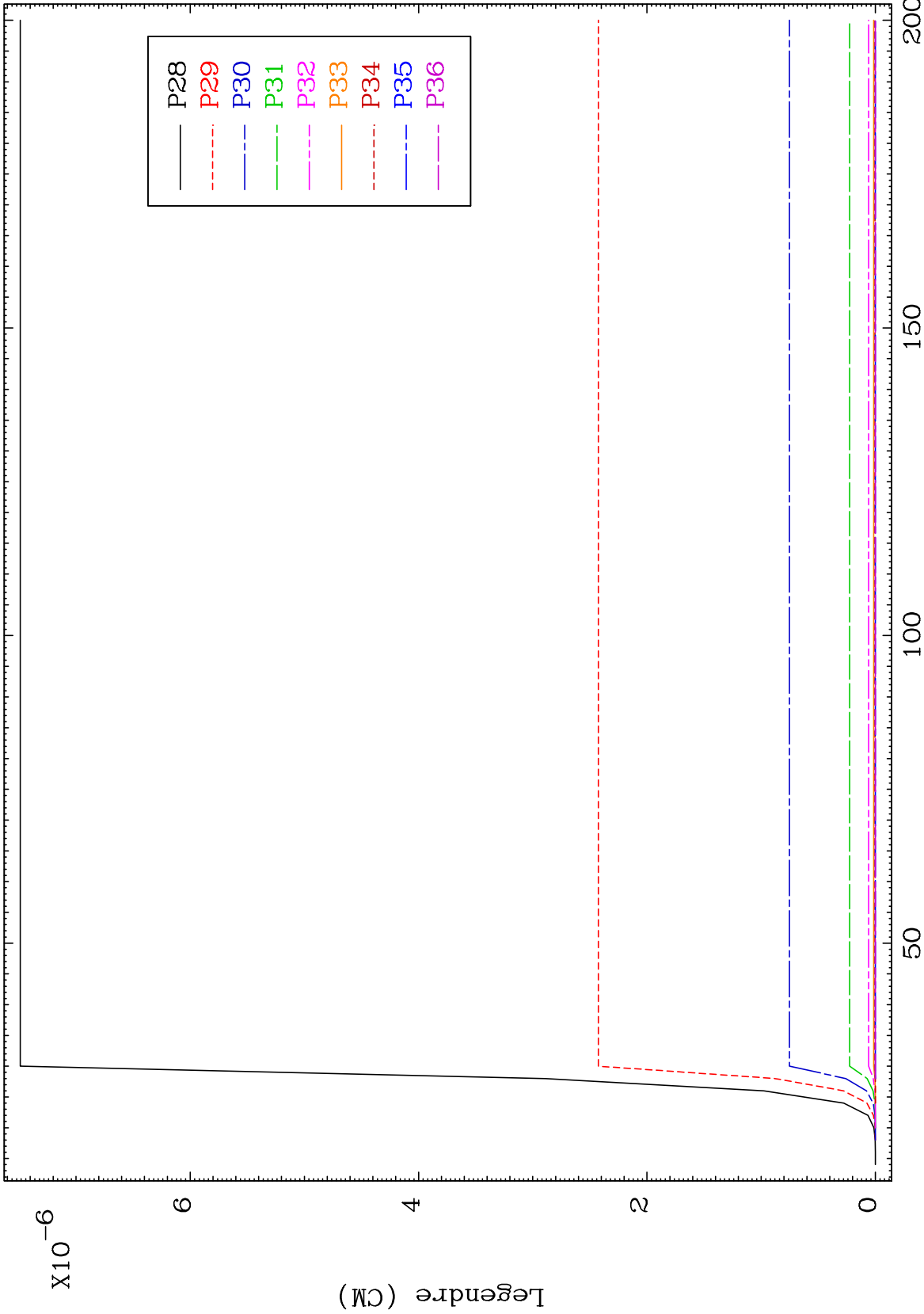
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



42

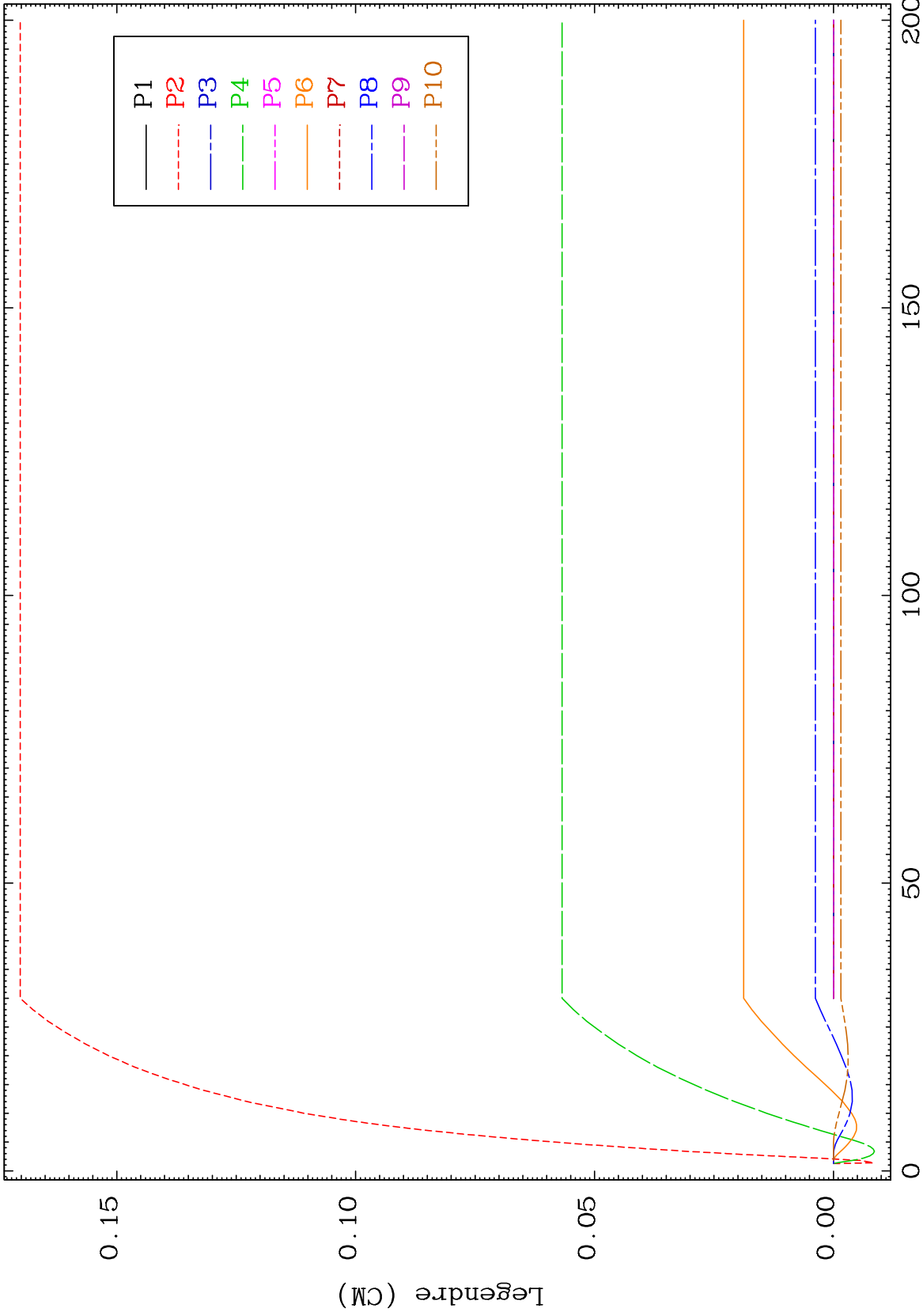
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



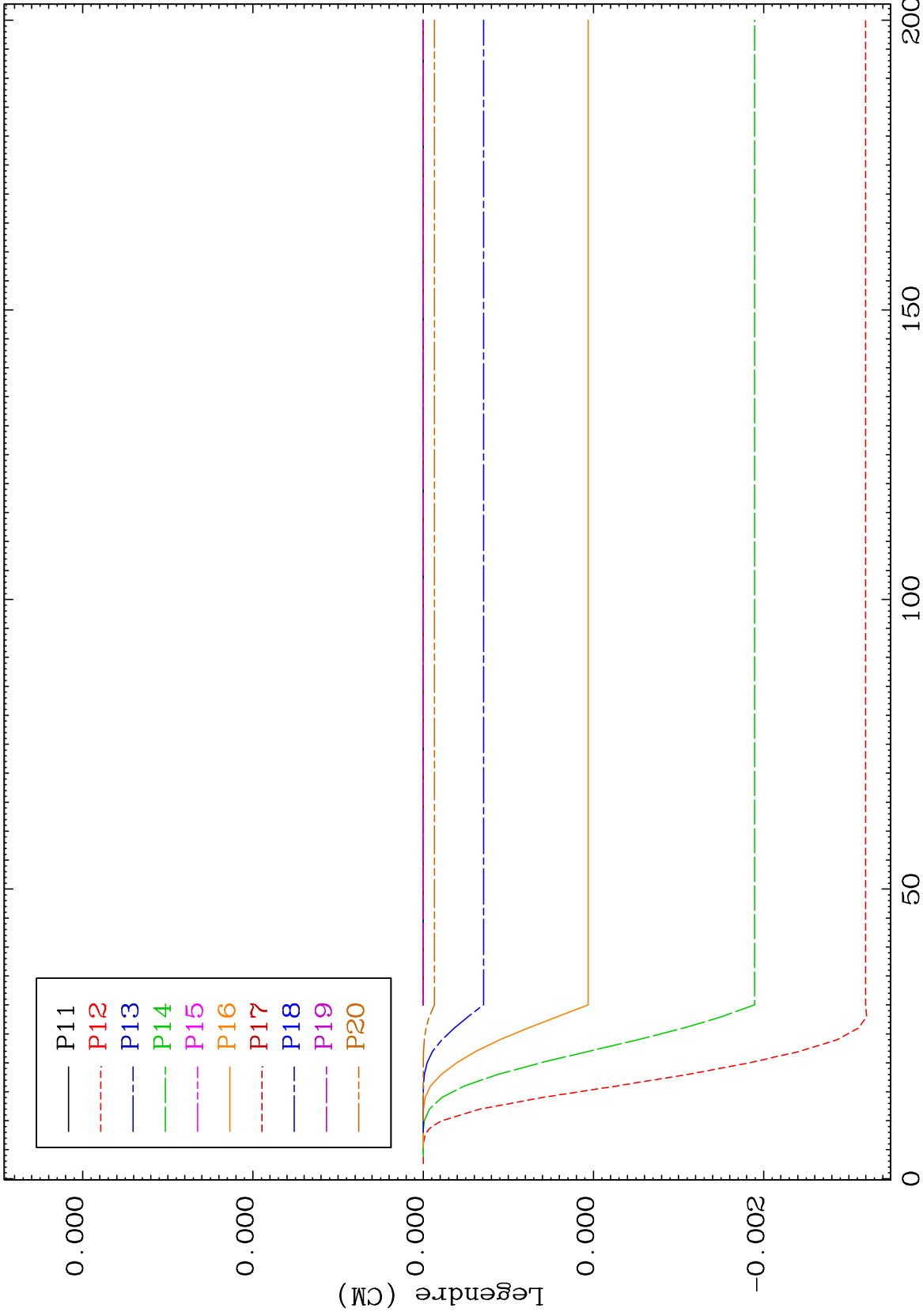
43

72-Hf-176

MAT 7231

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

72-Hf-176



44

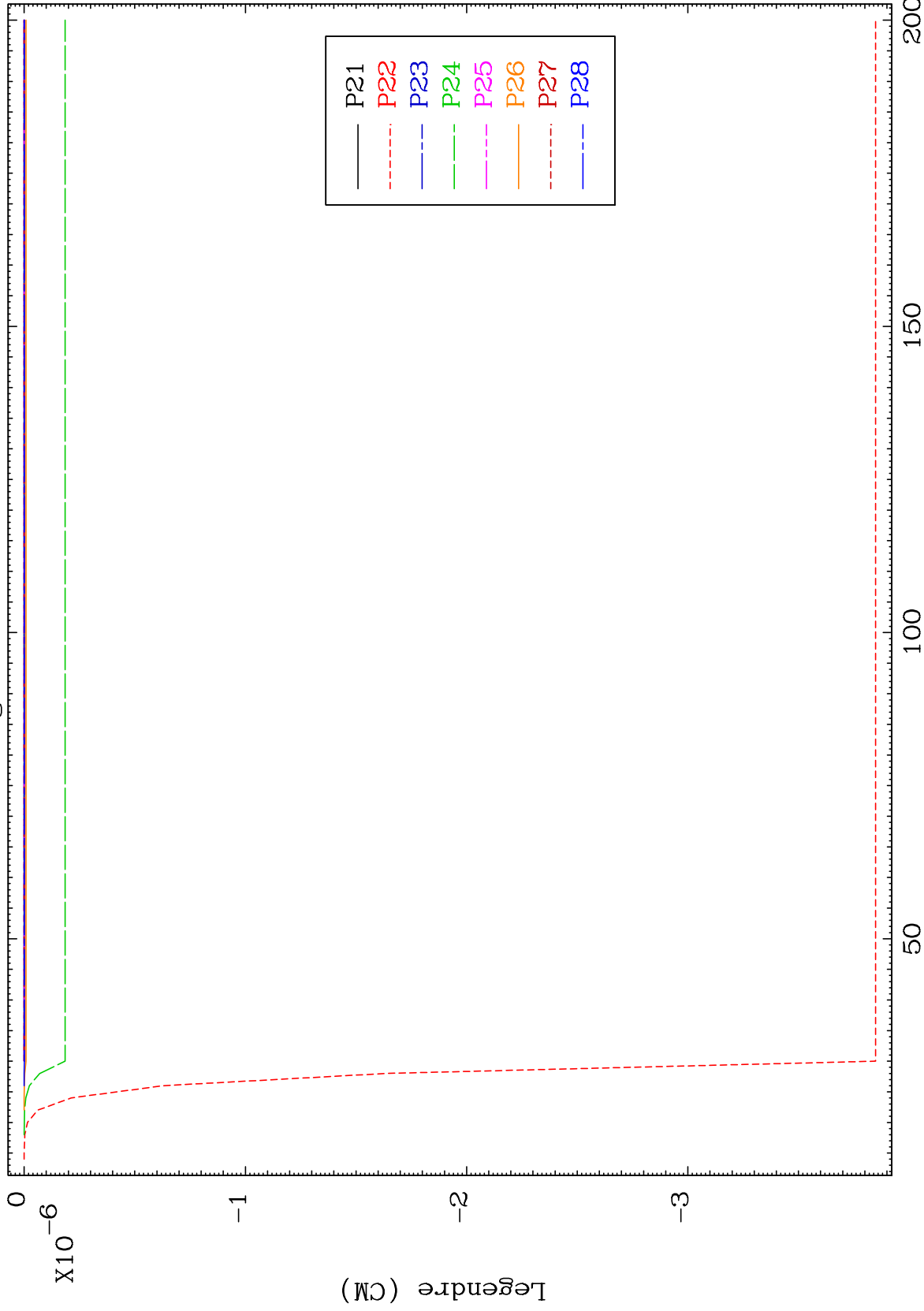
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



45

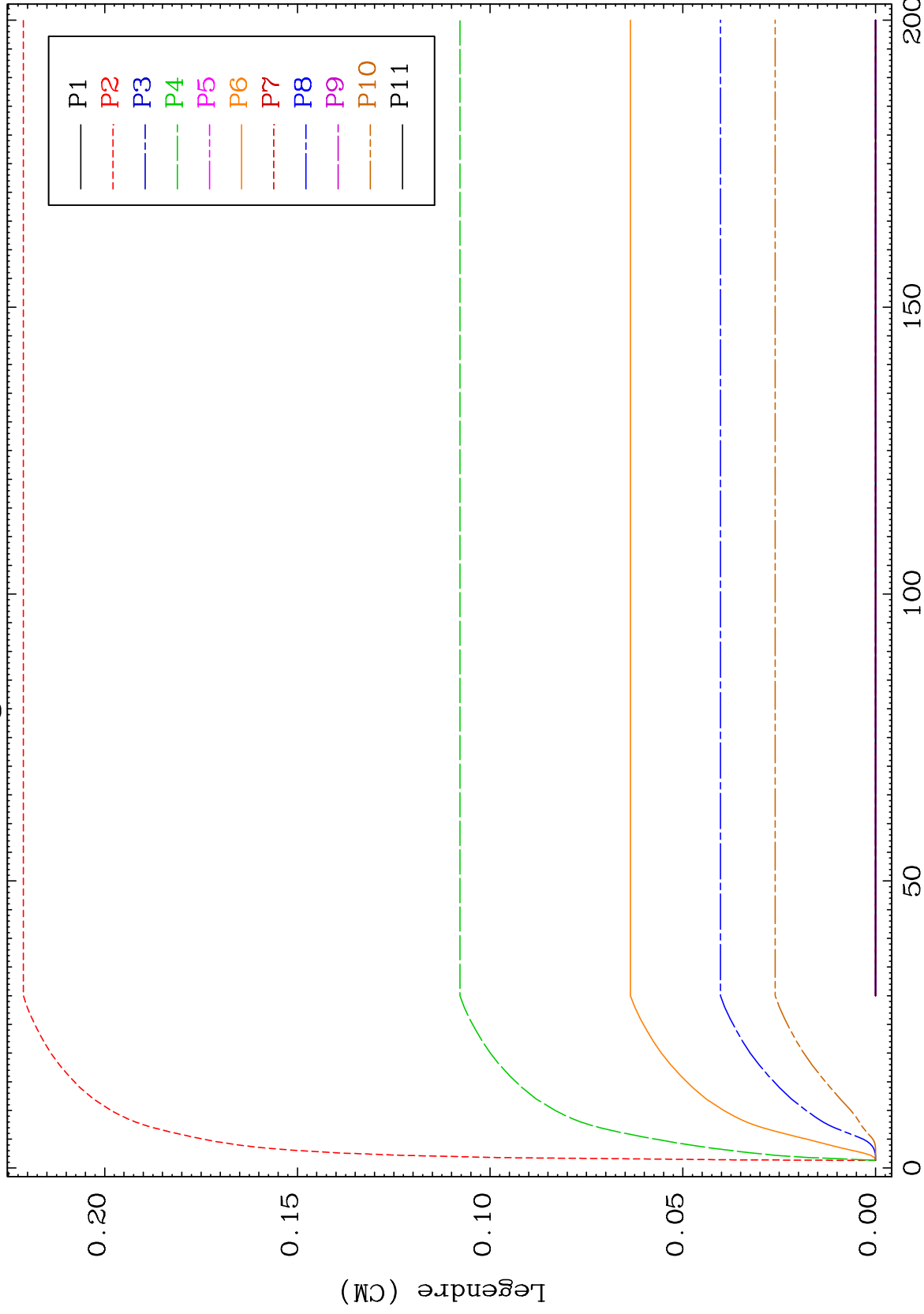
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



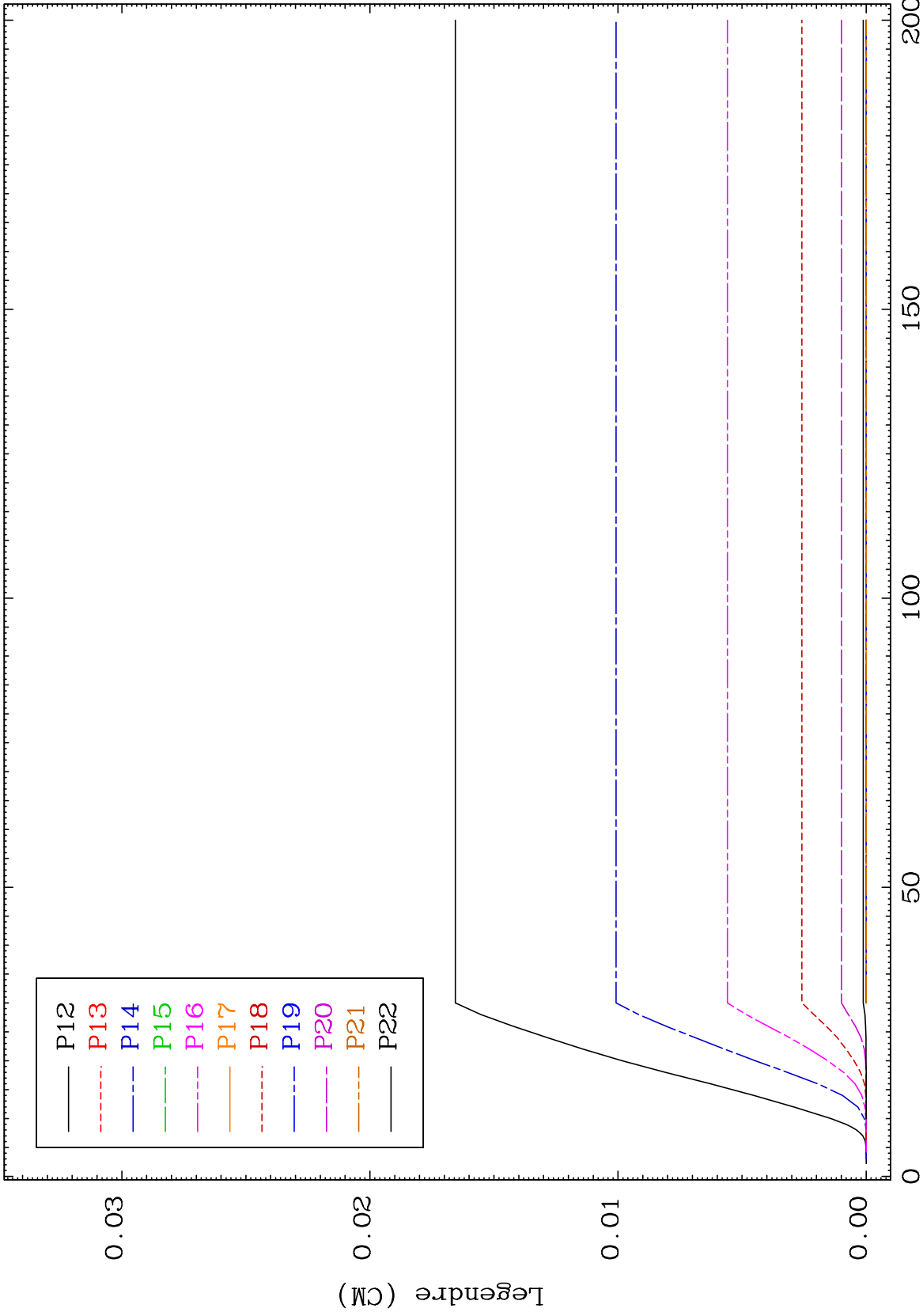
46

72-Hf-176

MAT 7231

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

72-Hf-176



47

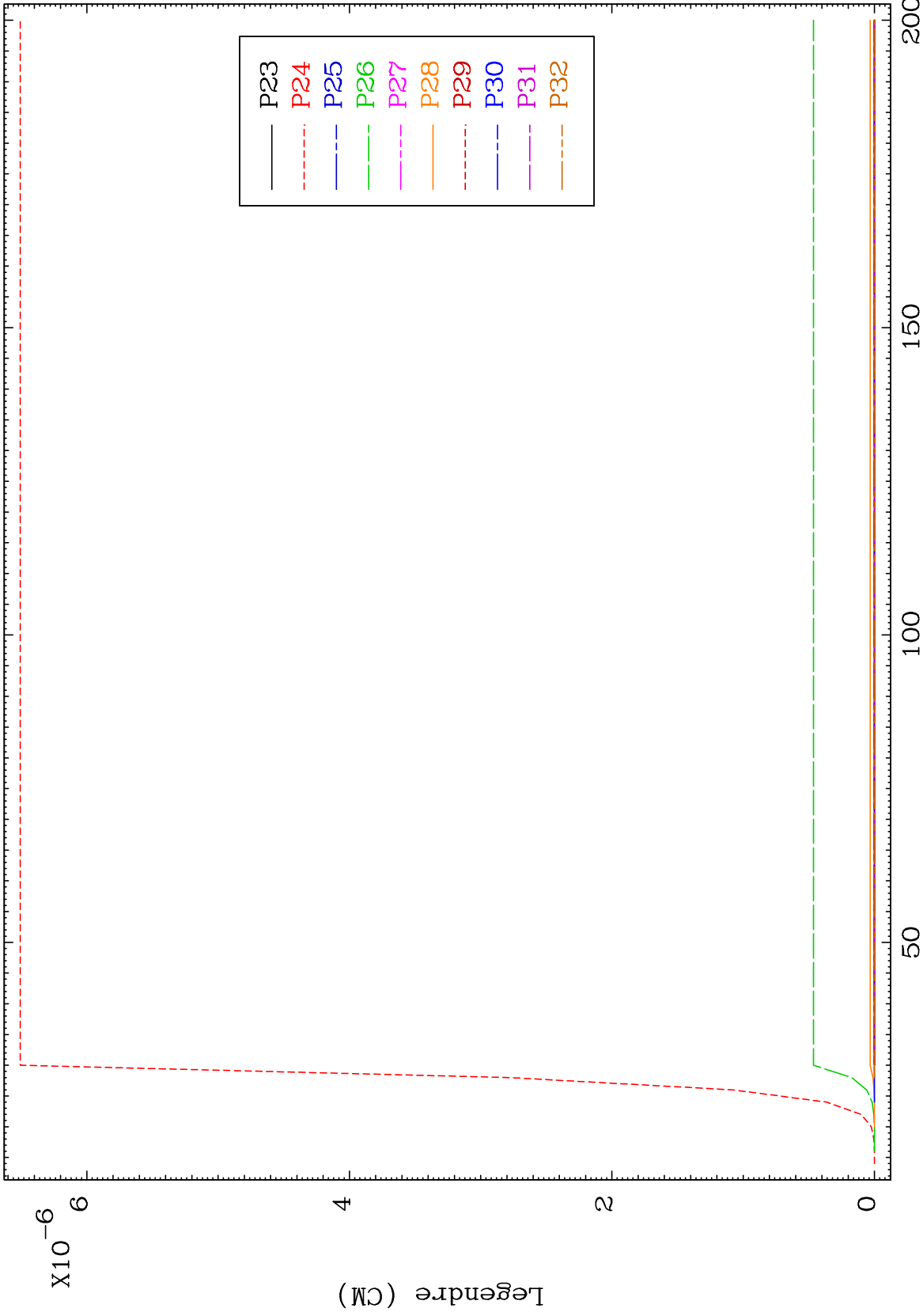
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



48

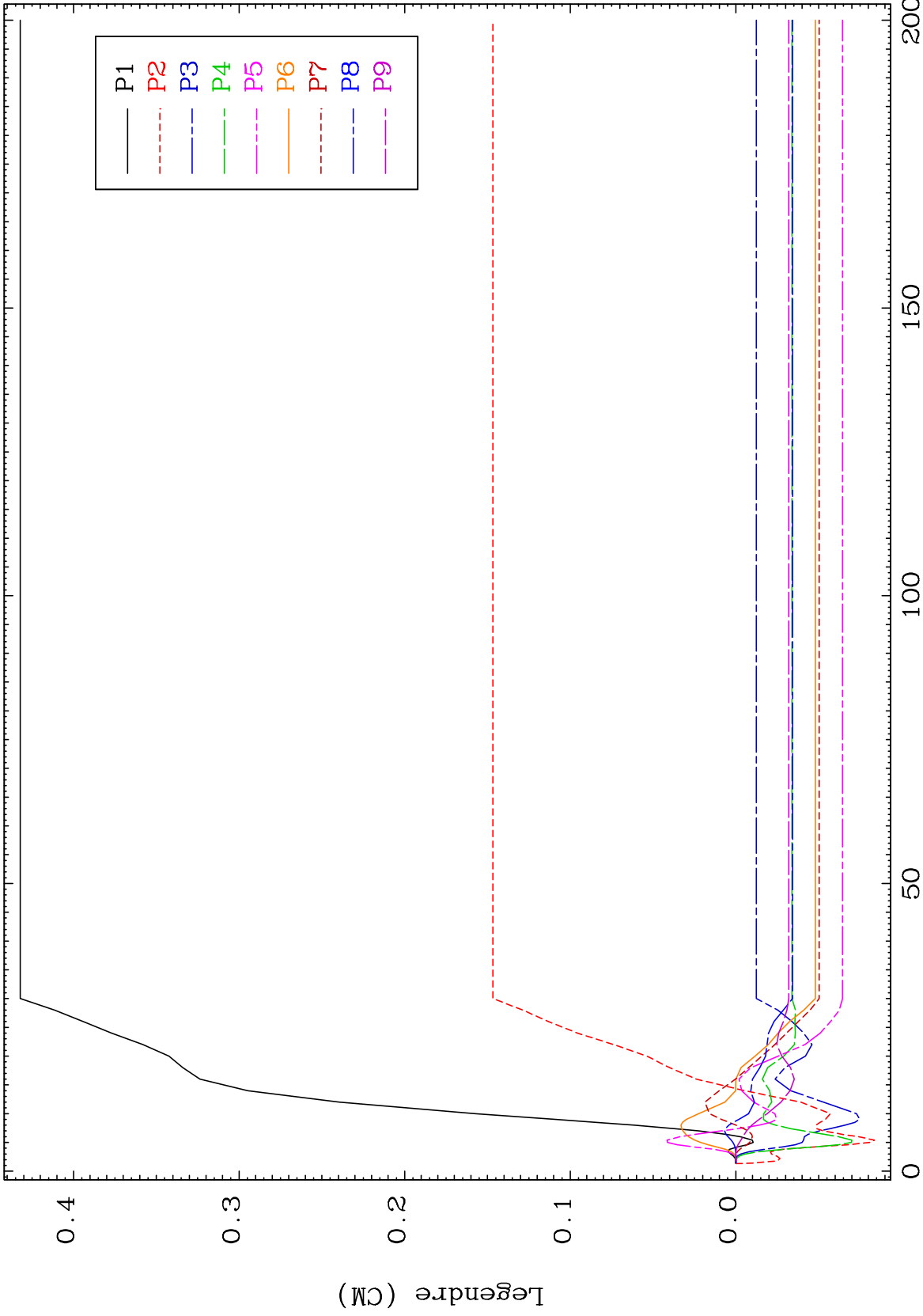
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



49

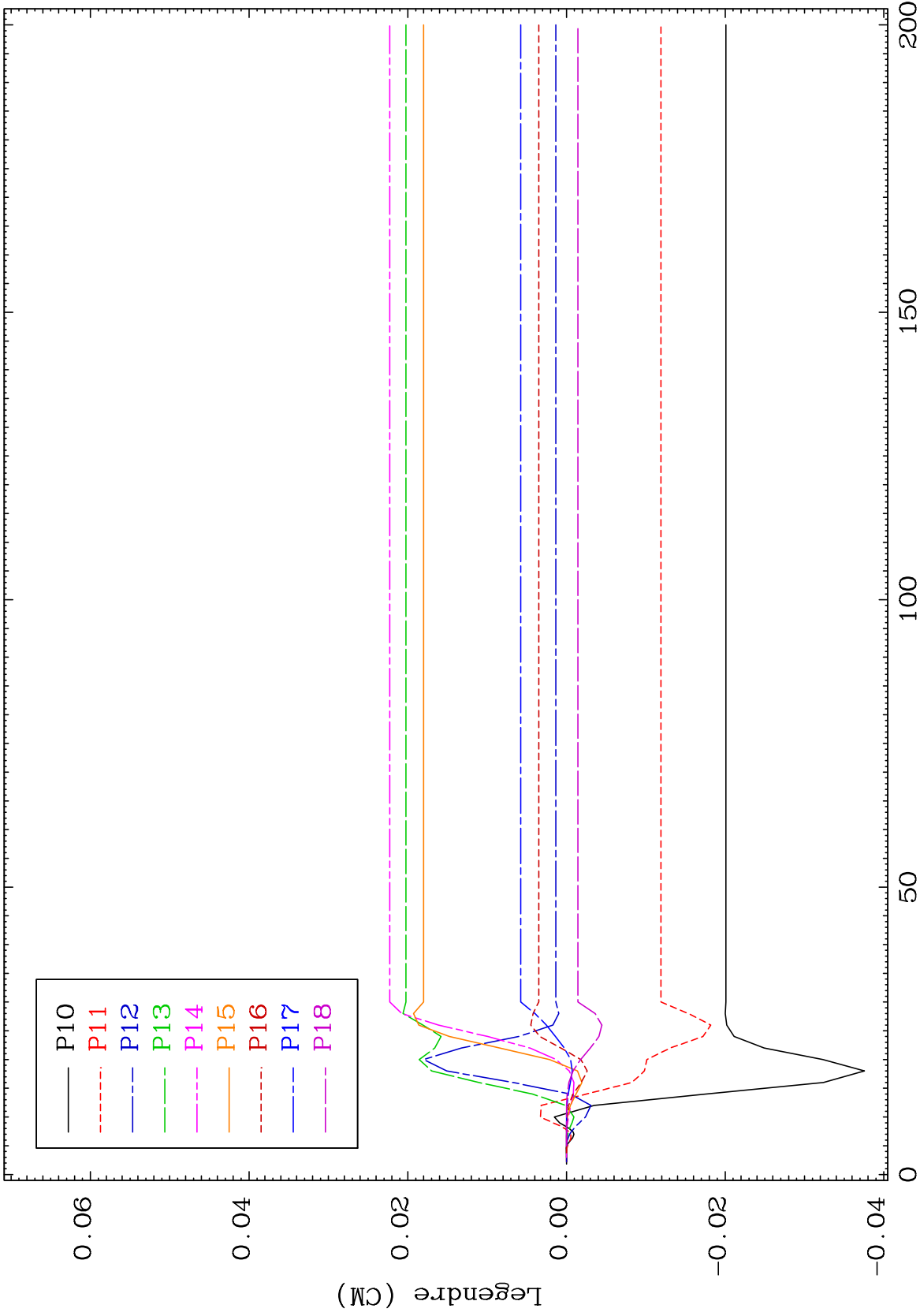
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



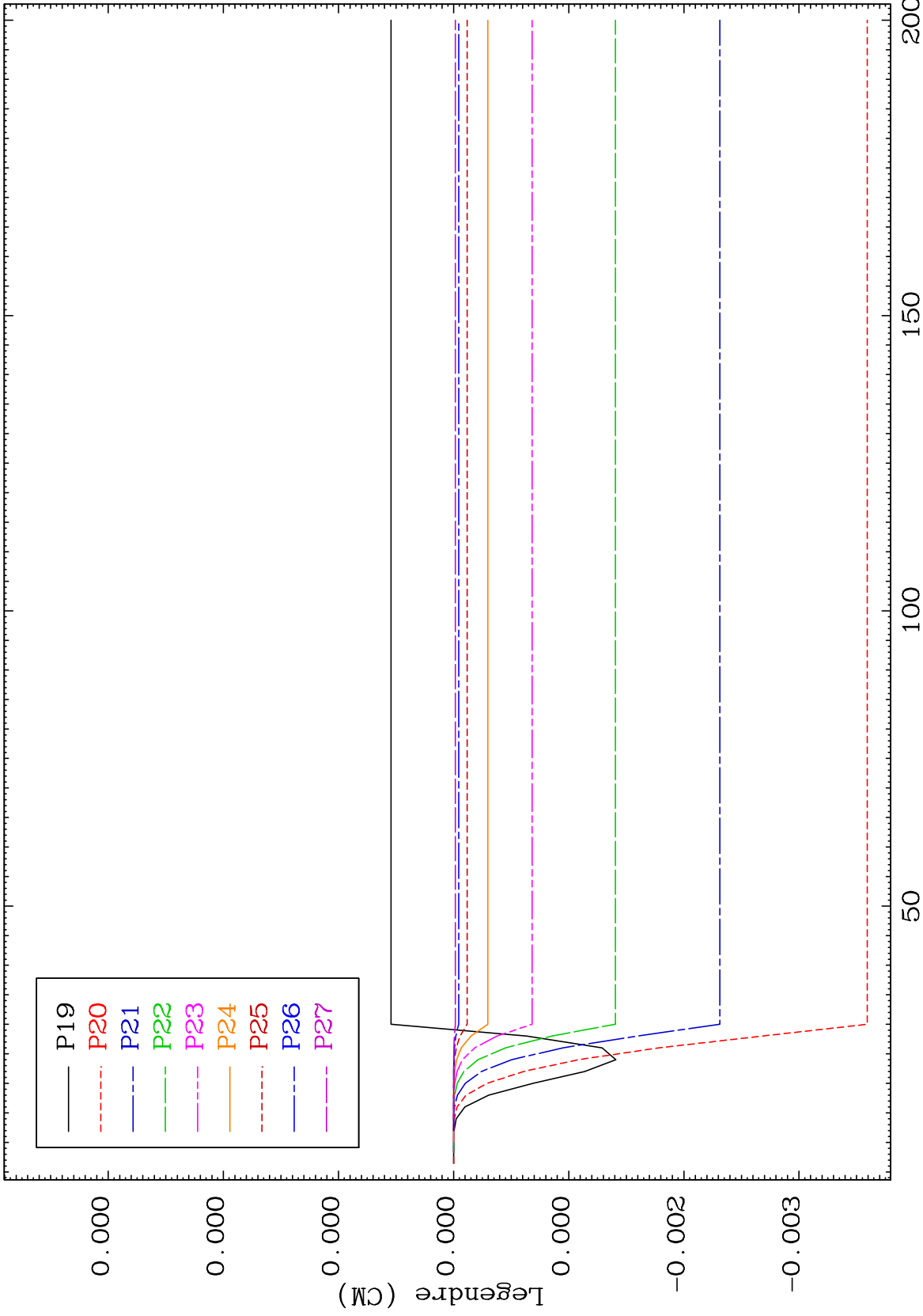
50

Incident Energy (MeV)

150

72-Hf-176

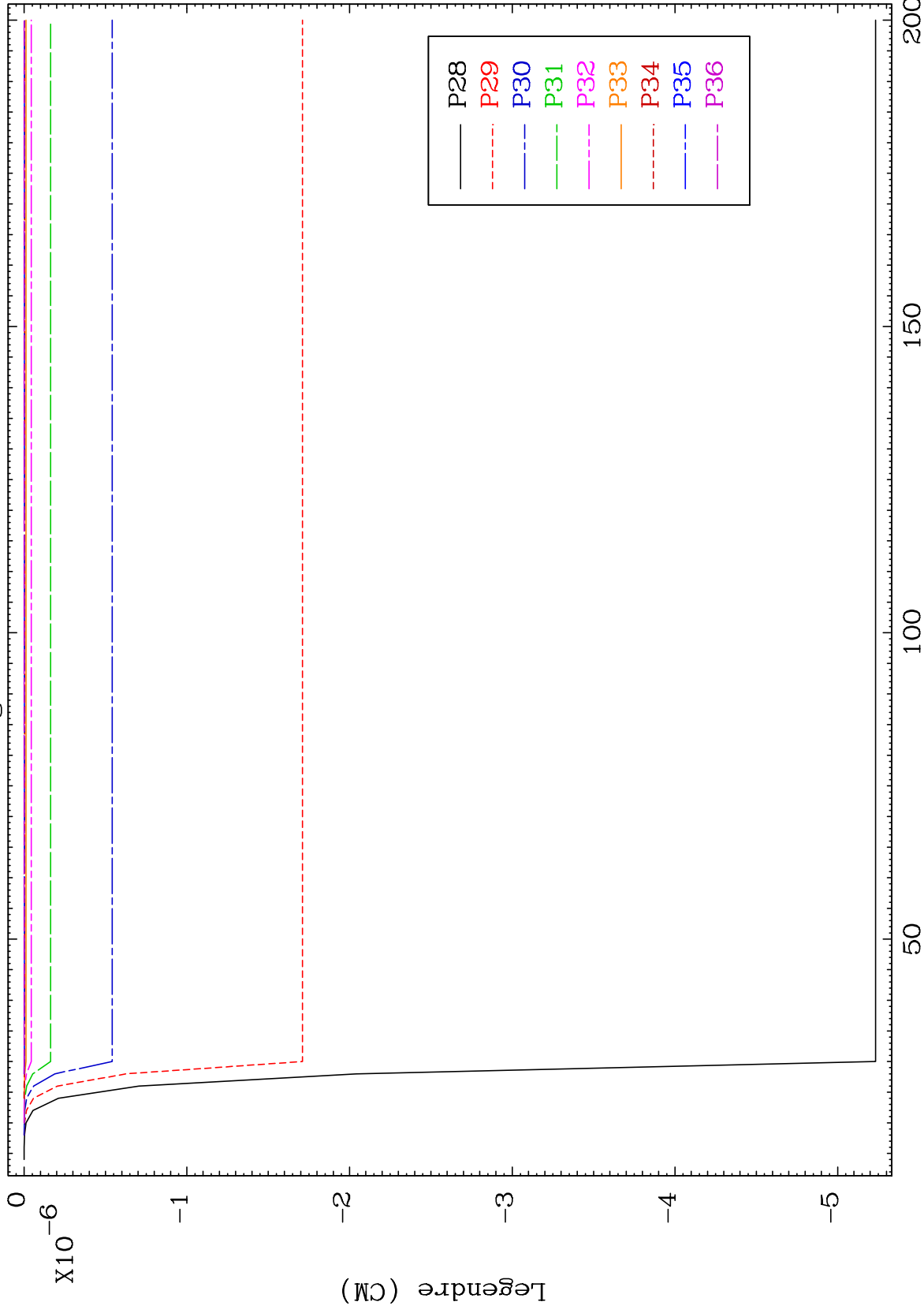
200



MAT 7231

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

72-Hf-176



52

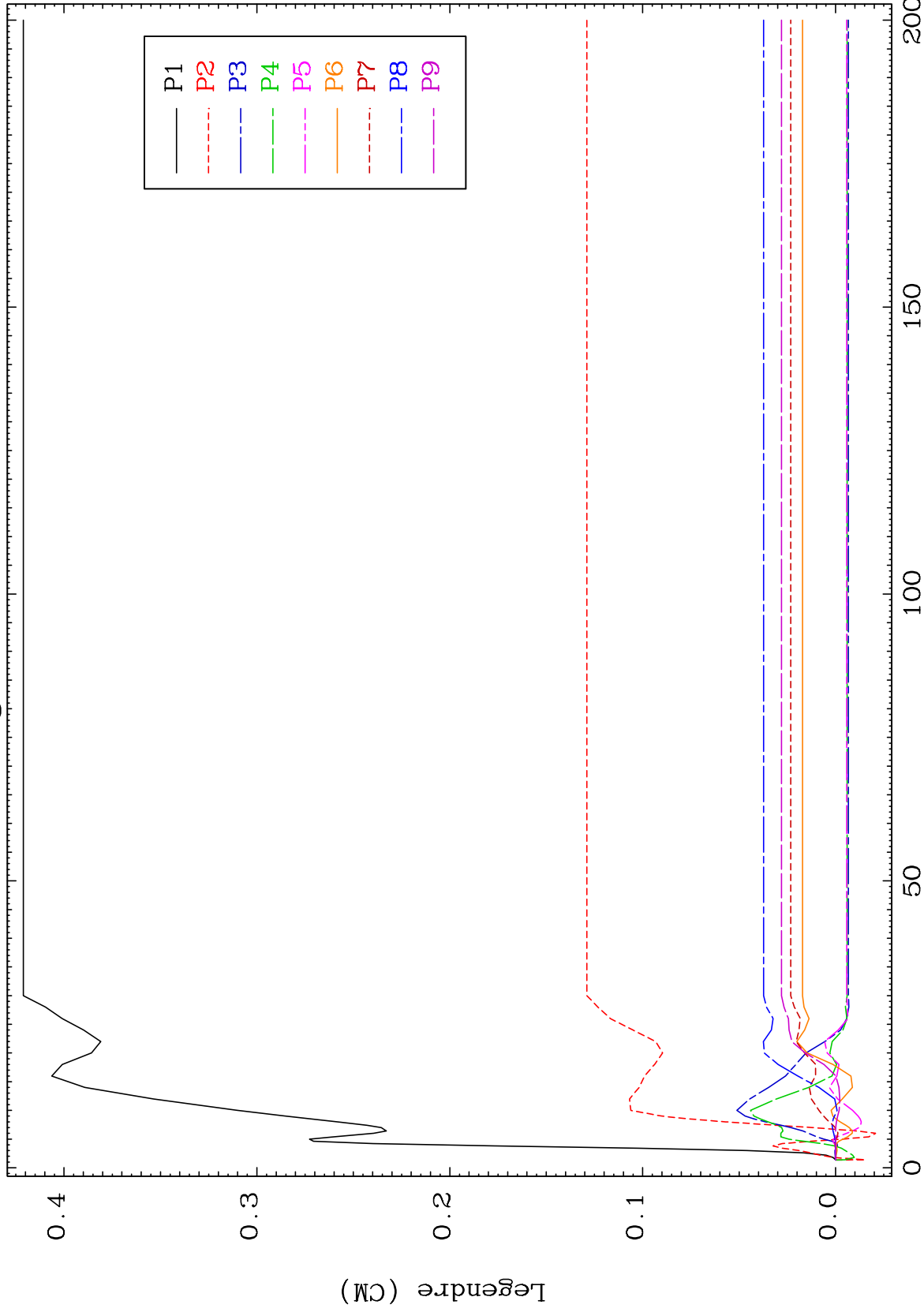
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



53

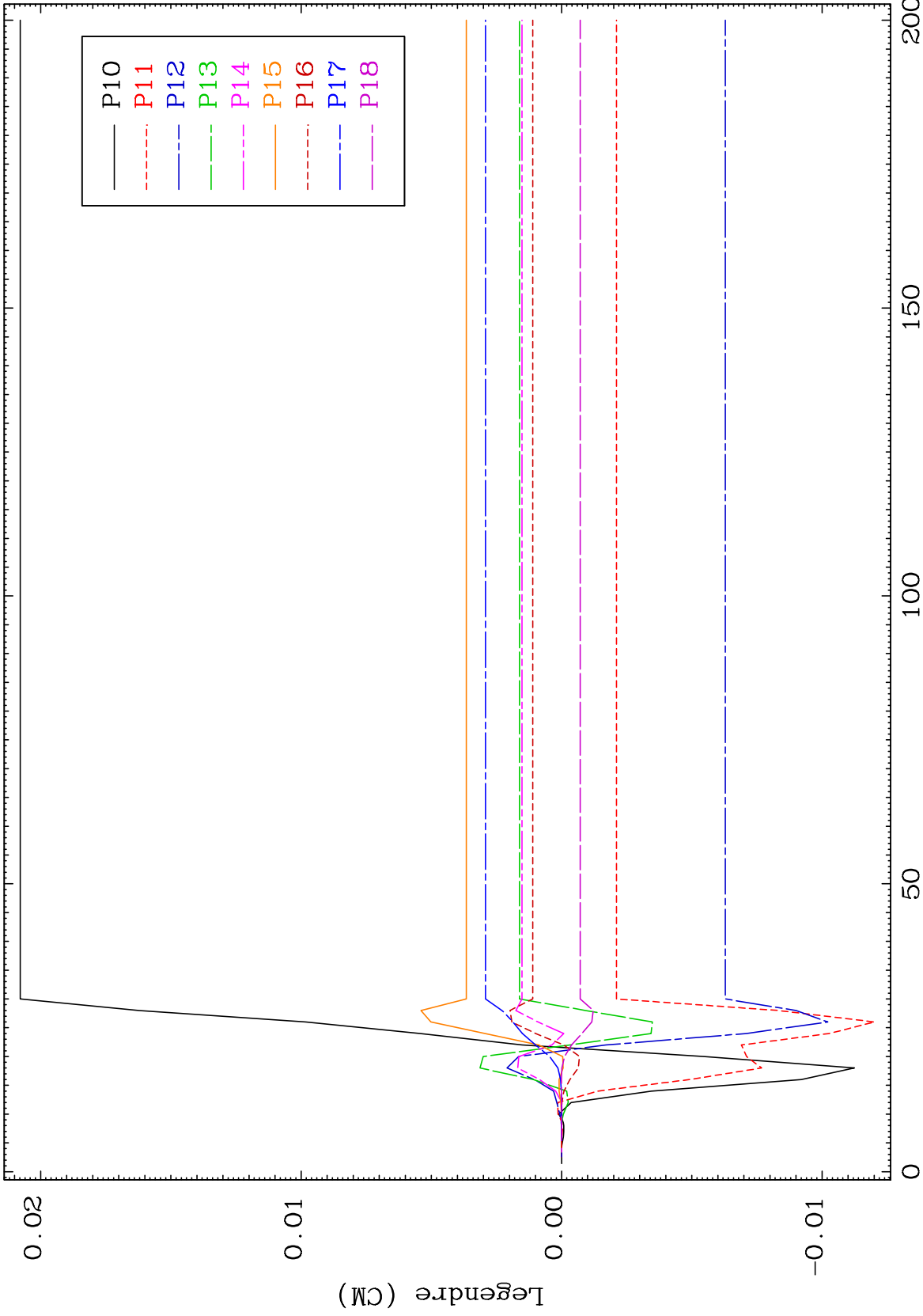
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



54

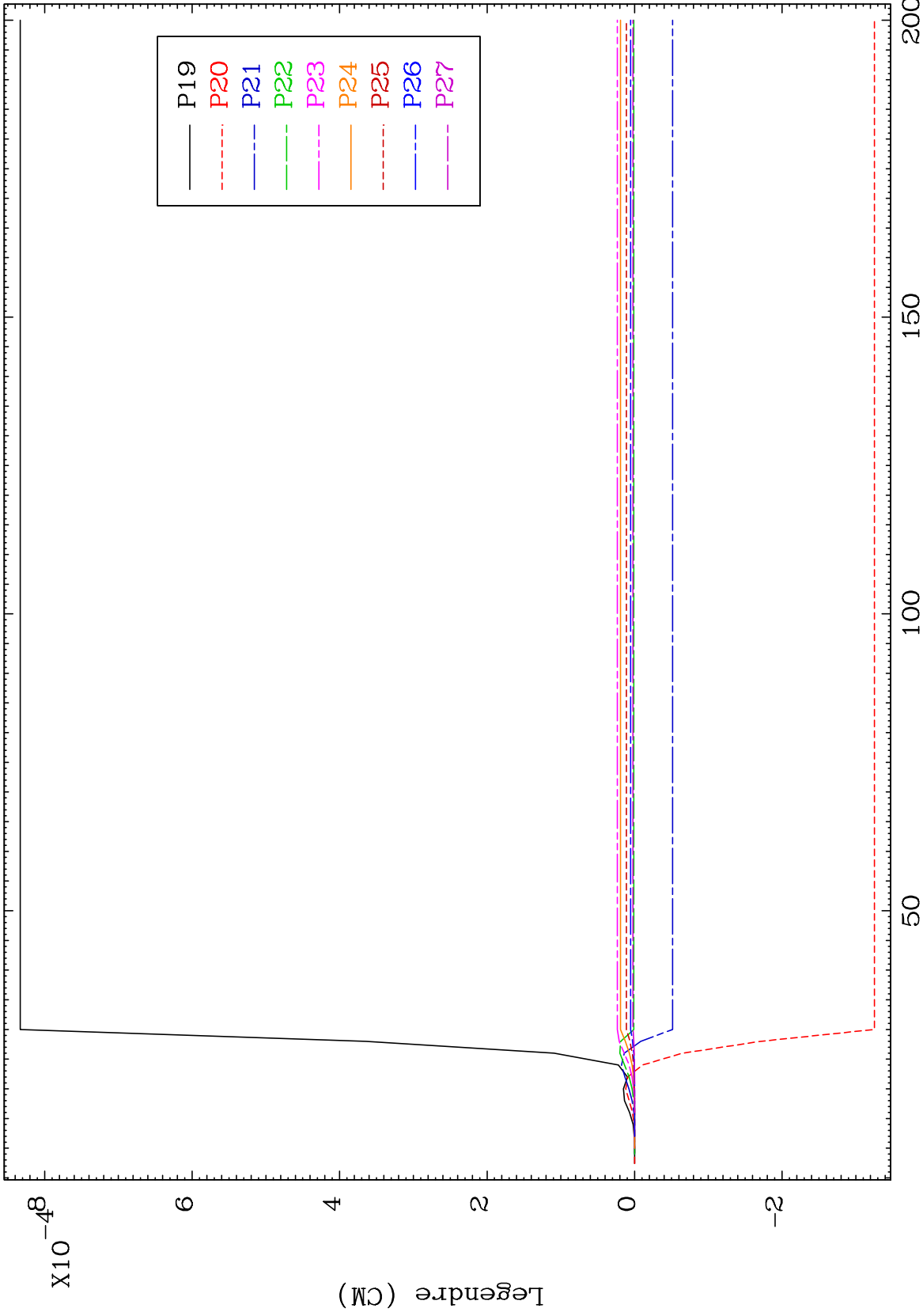
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



55

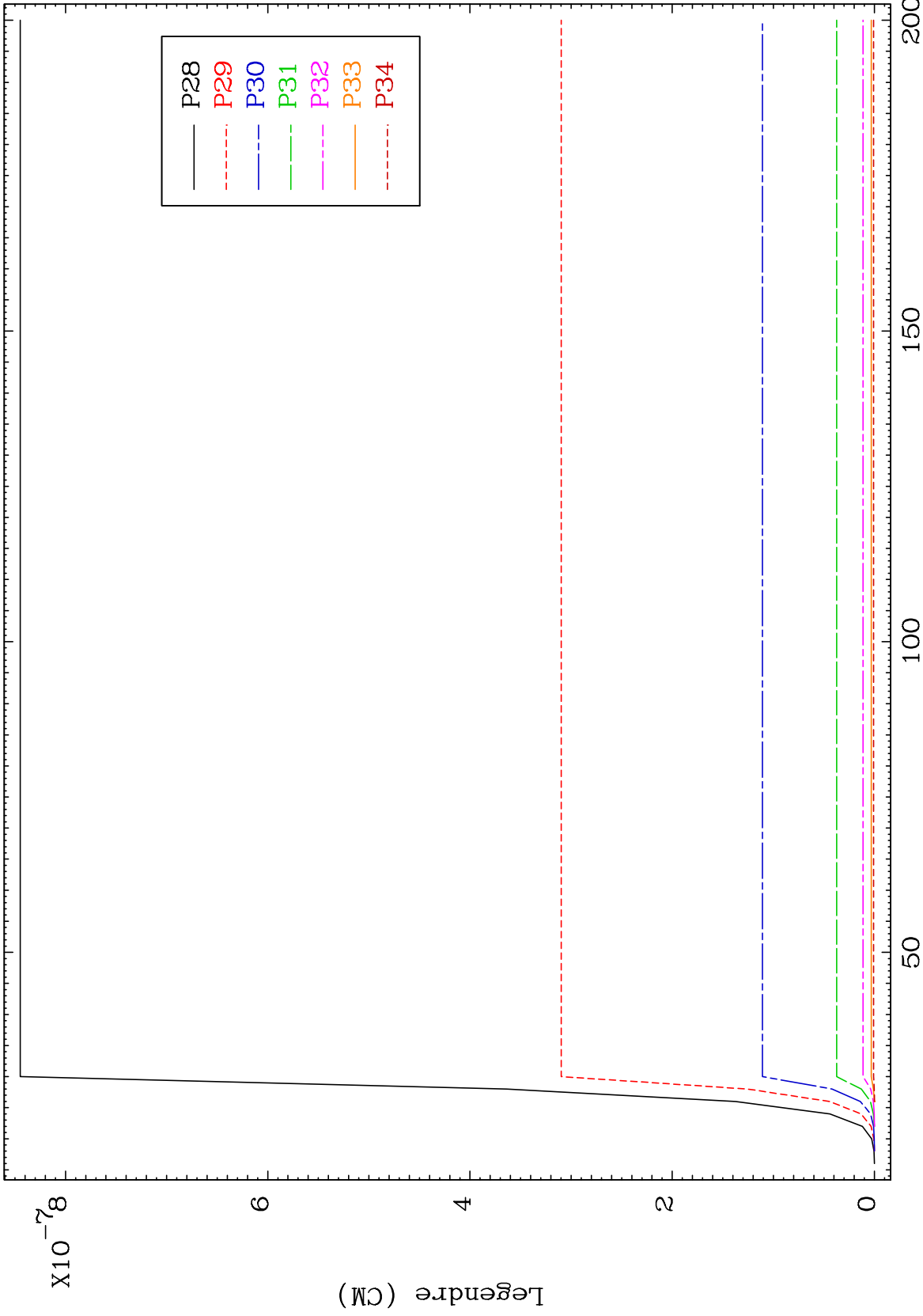
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



56

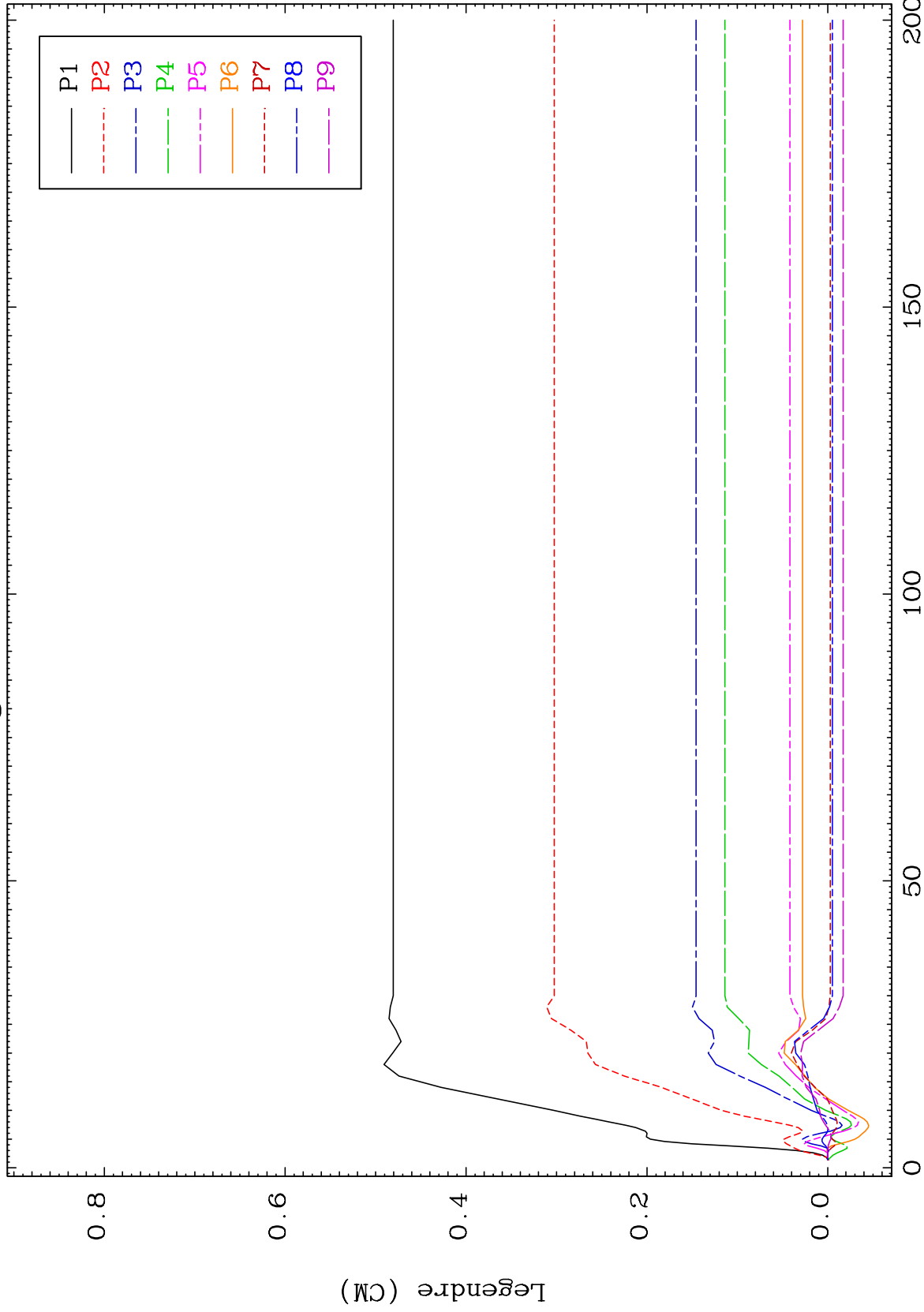
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



57

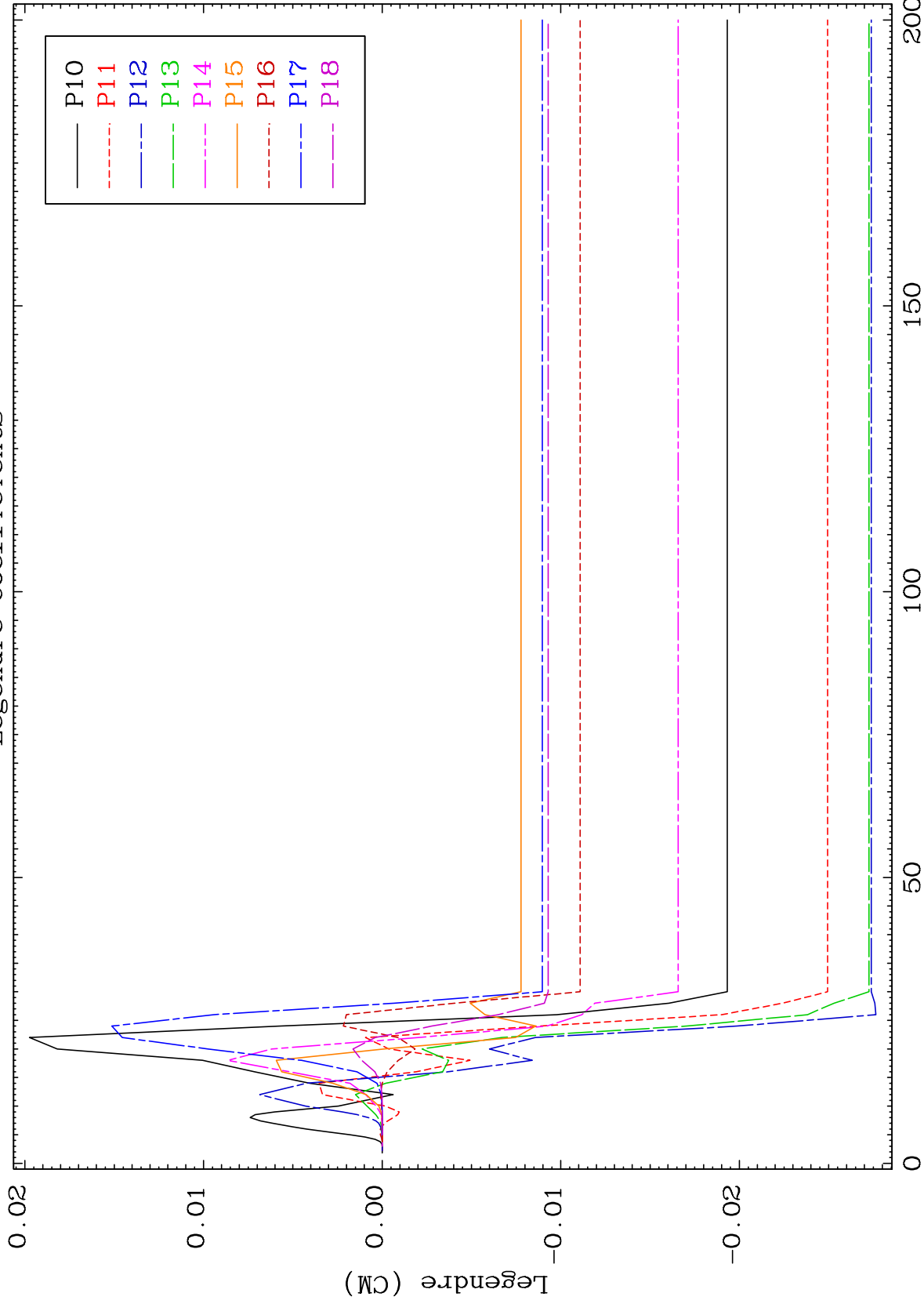
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



58

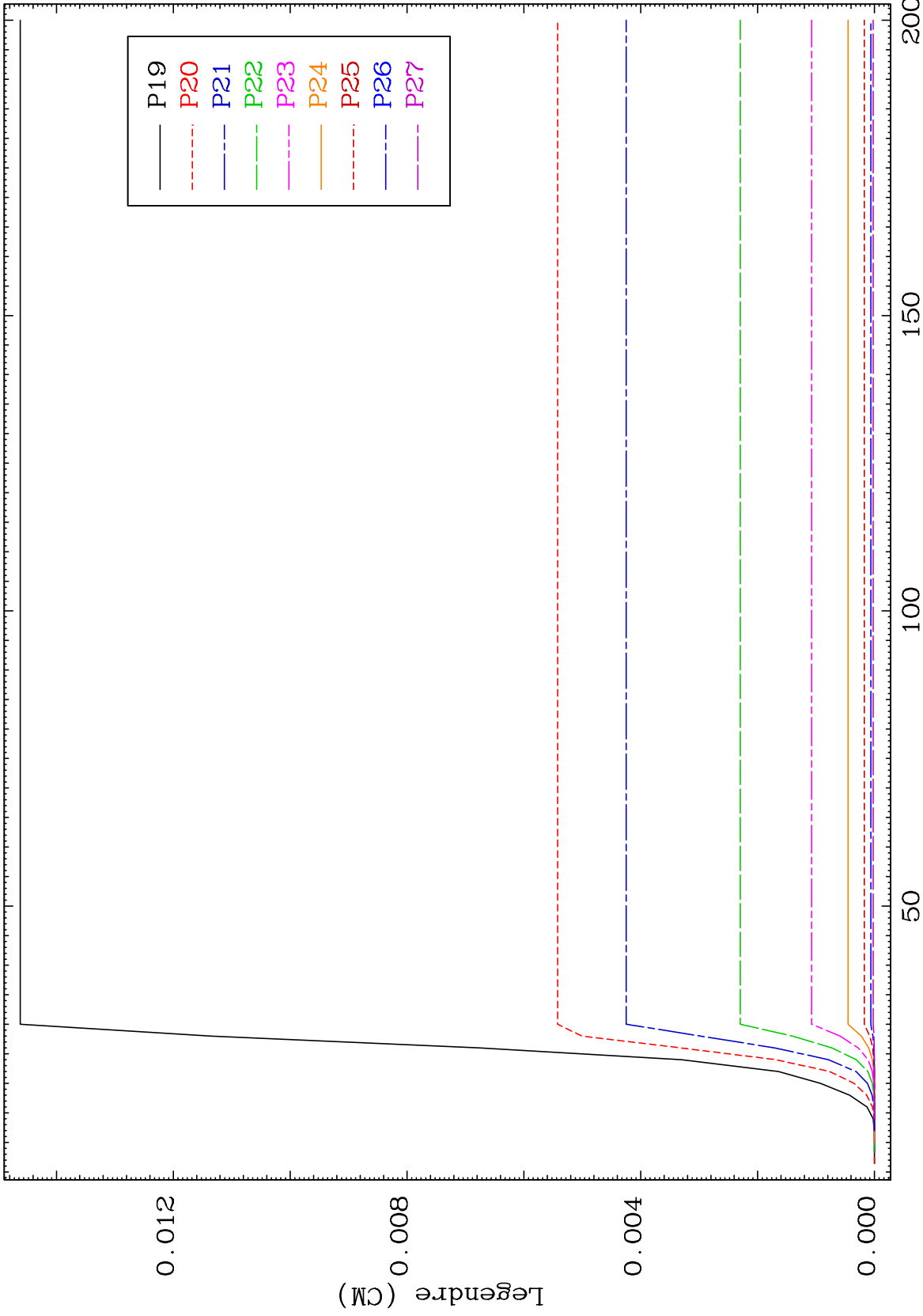
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



59

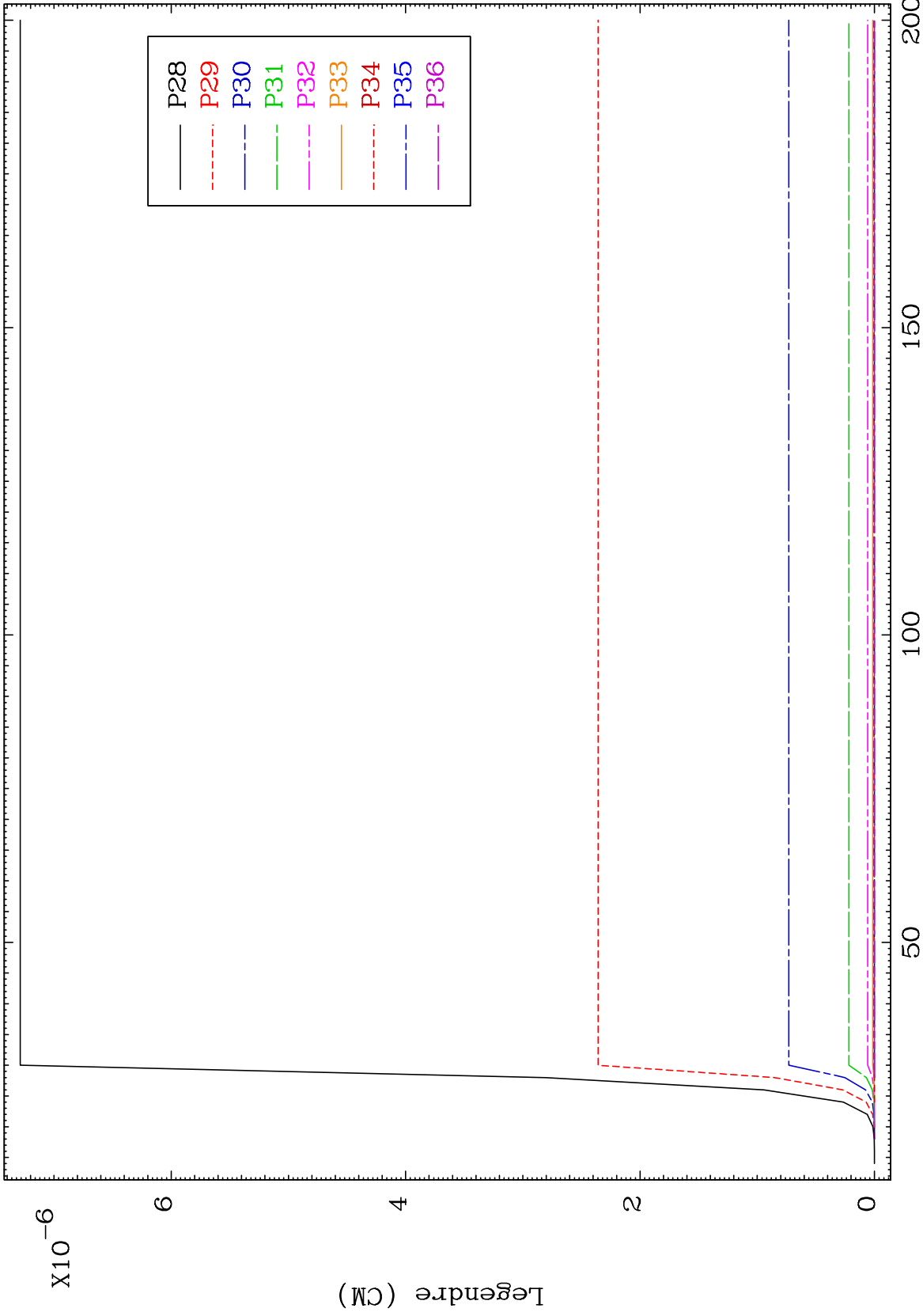
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



60

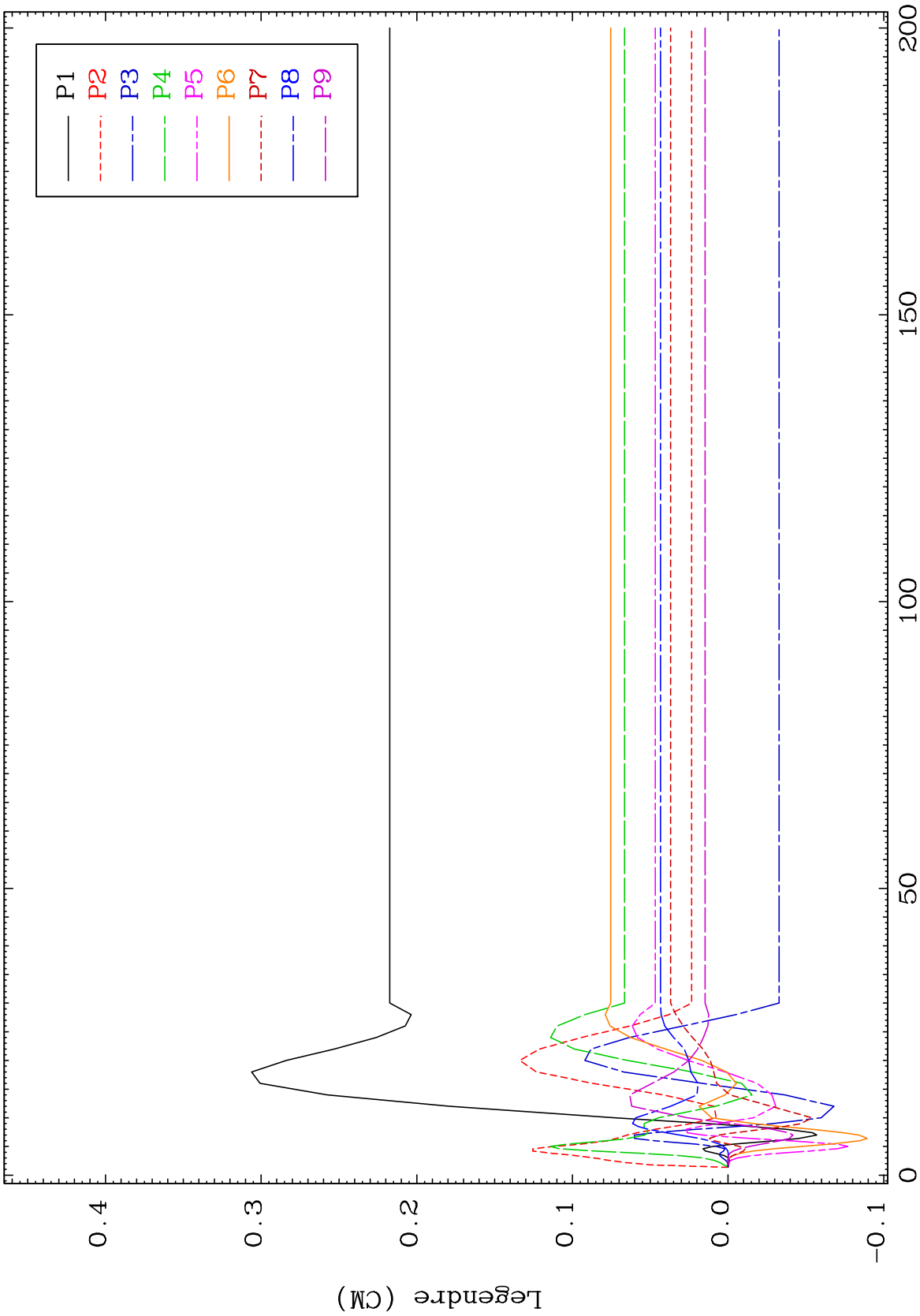
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



61

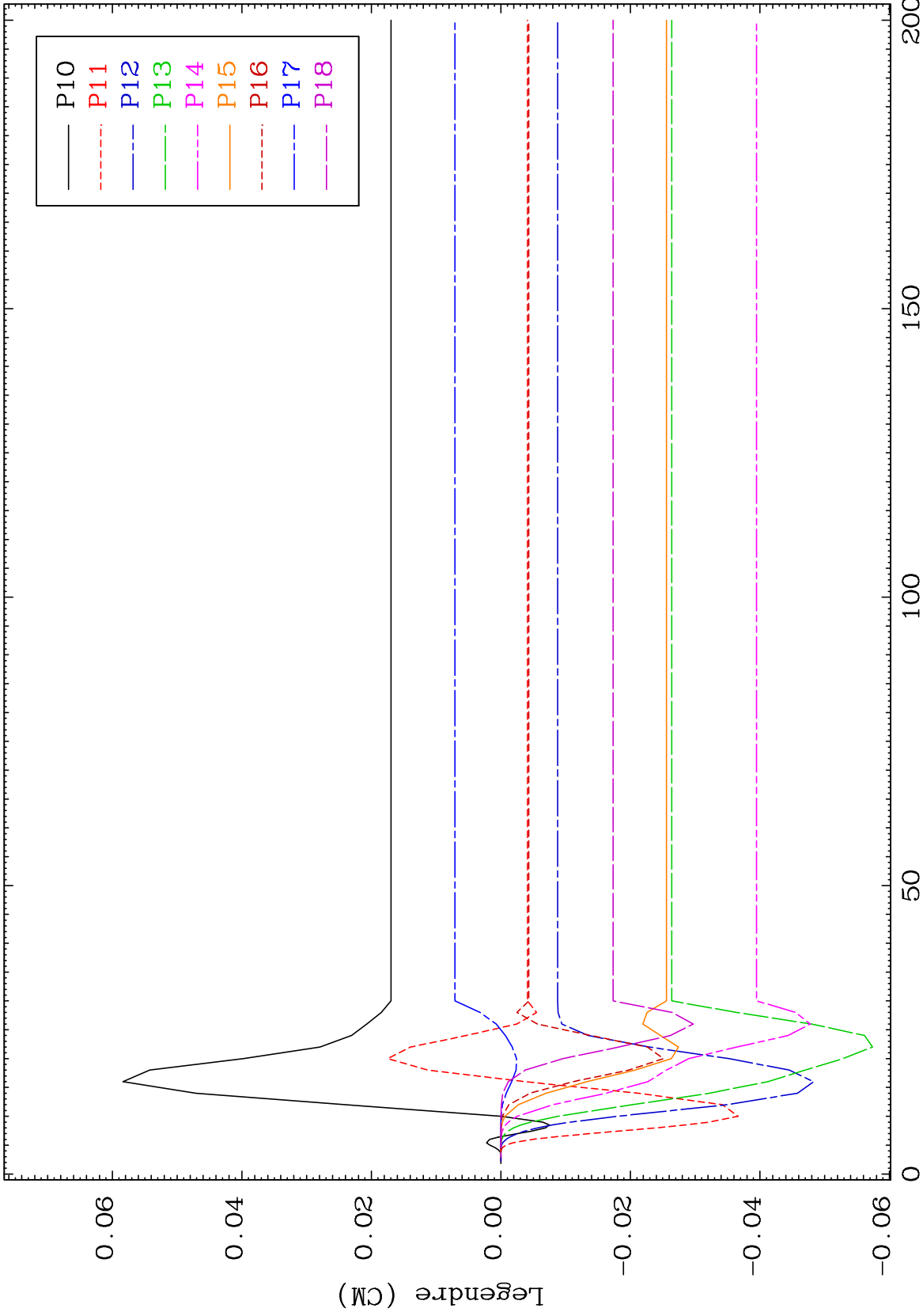
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

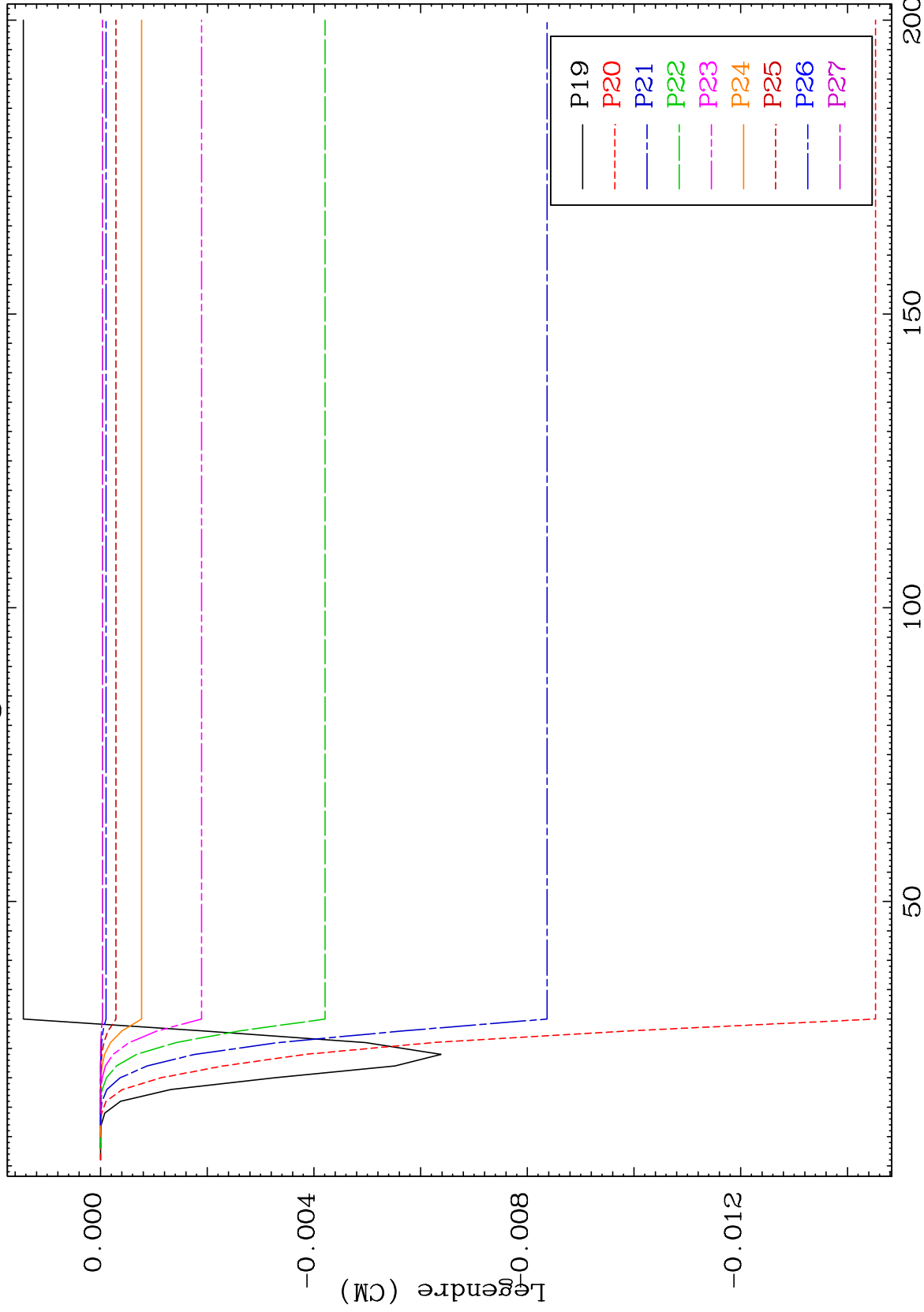
72-Hf-176



62

Incident Energy (MeV)

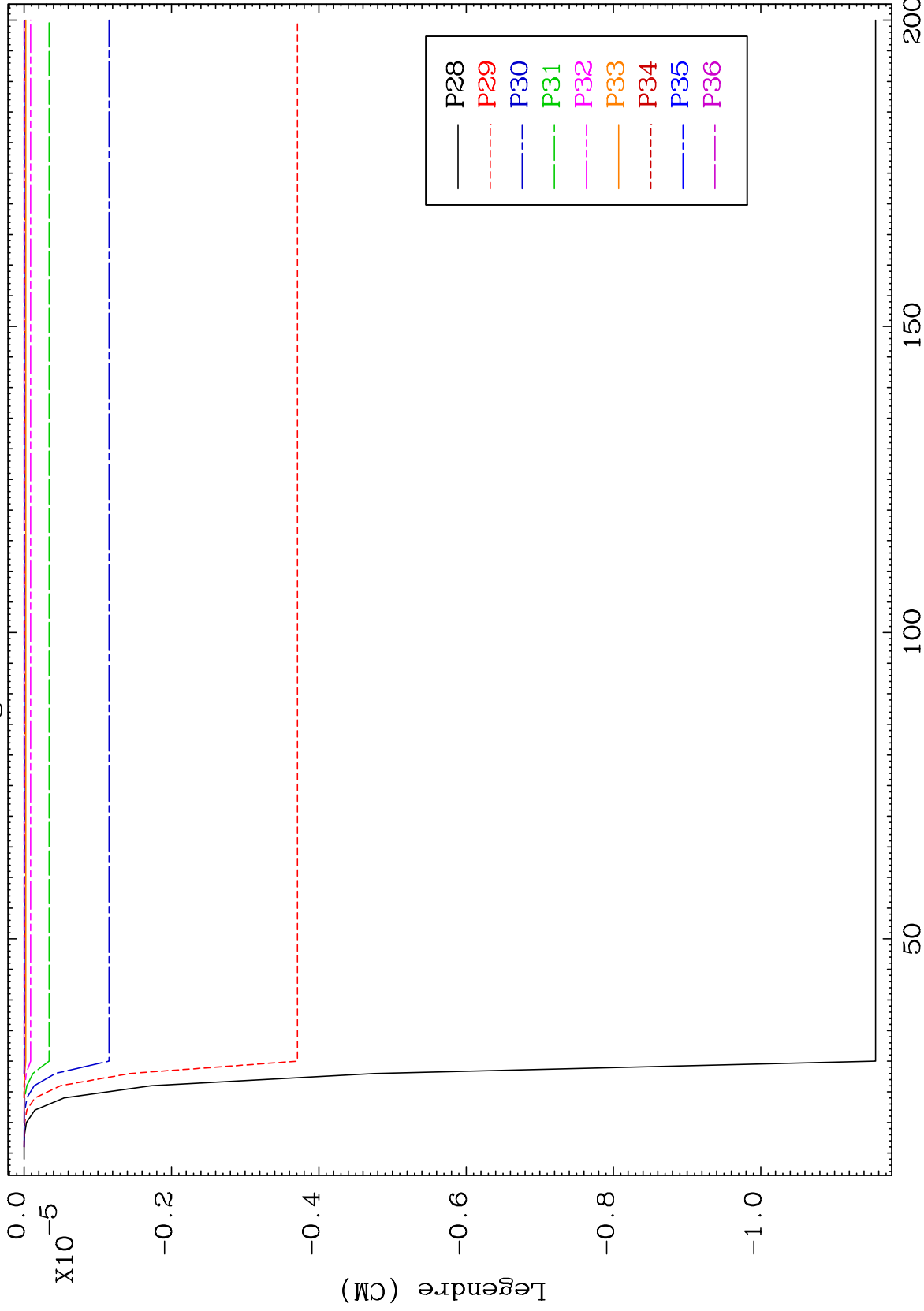
72-Hf-176



MAT 7231

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

72-Hf-176



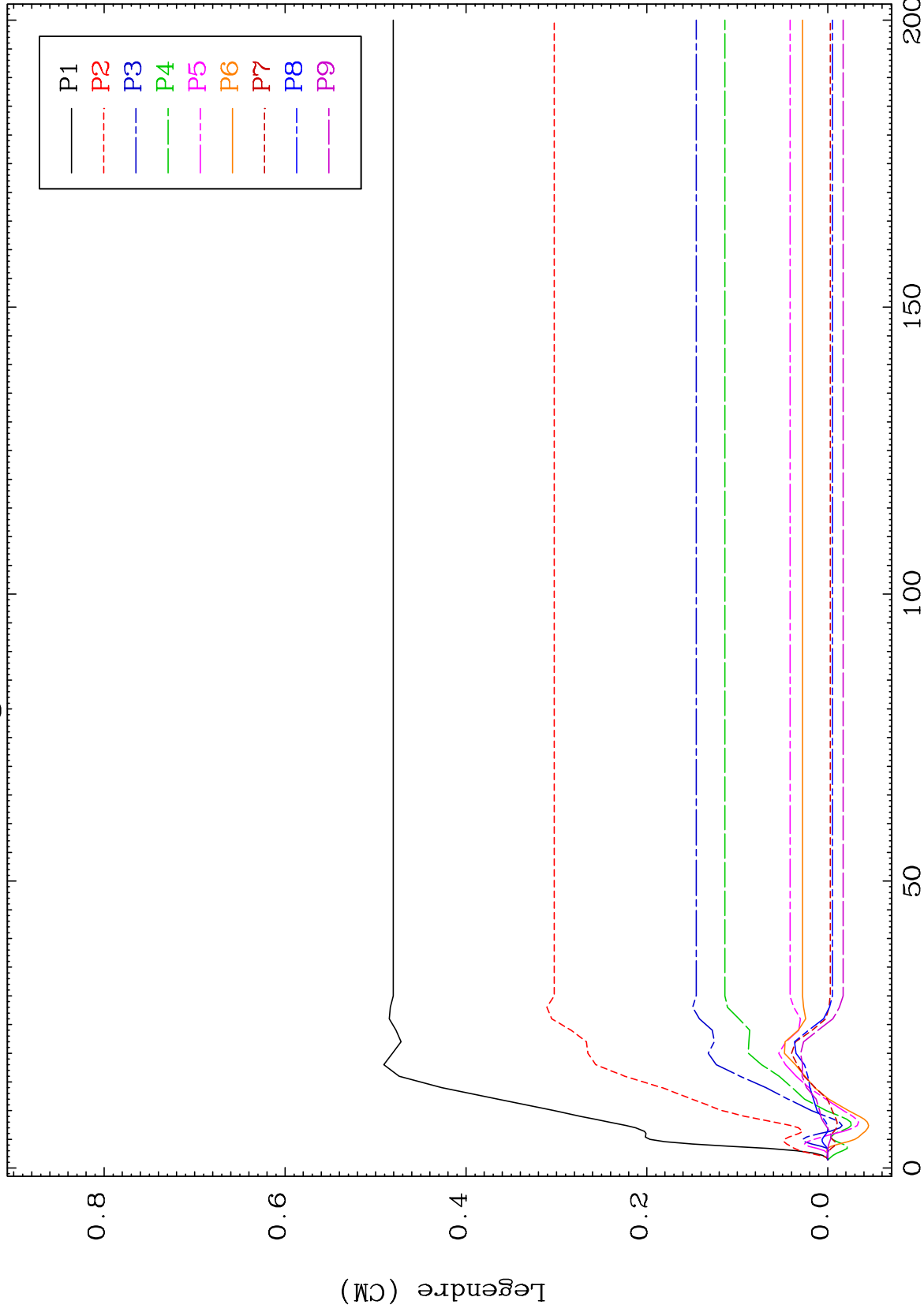
64

72-Hf-176

MAT 7231

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

72-Hf-176



65

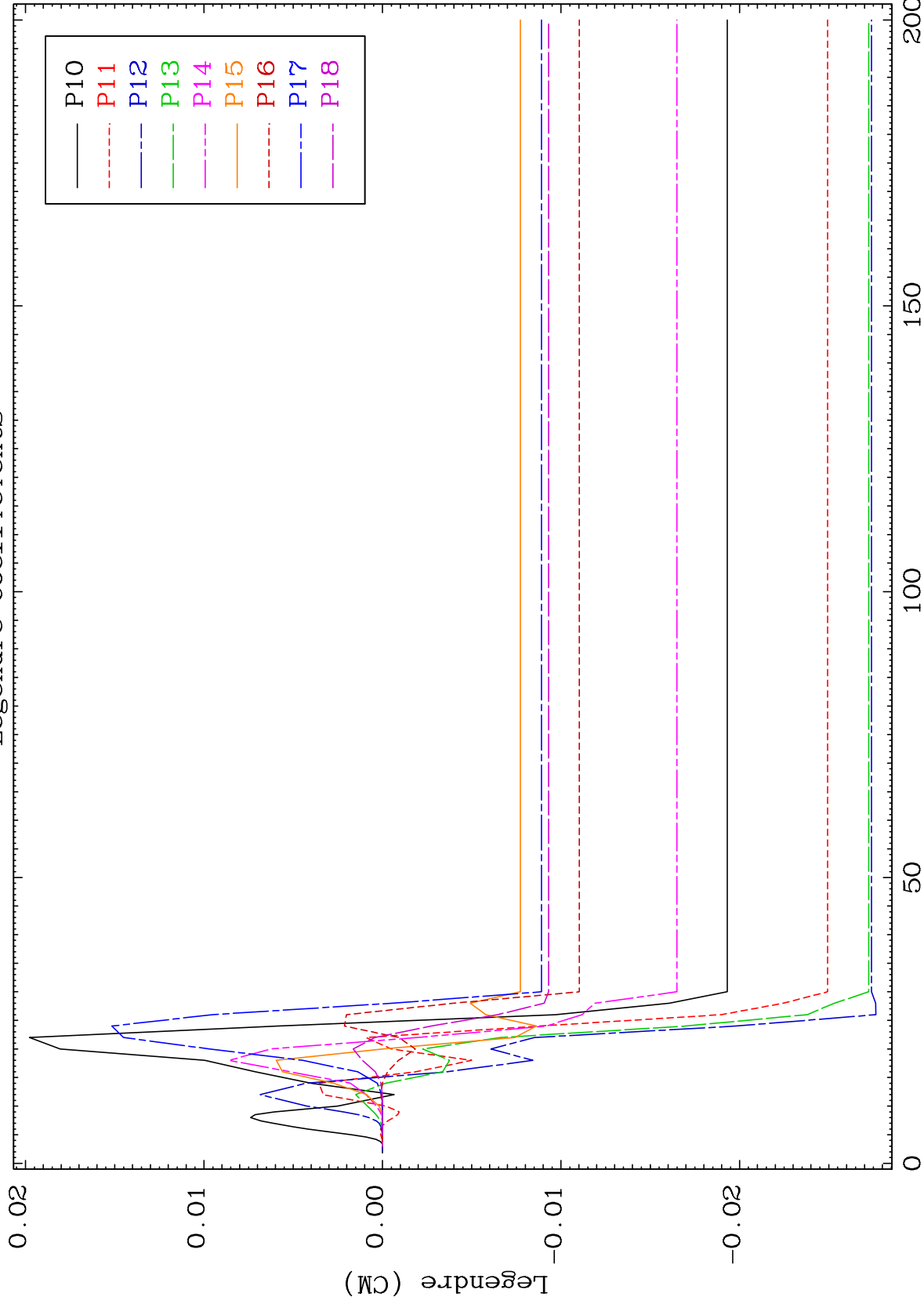
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



66

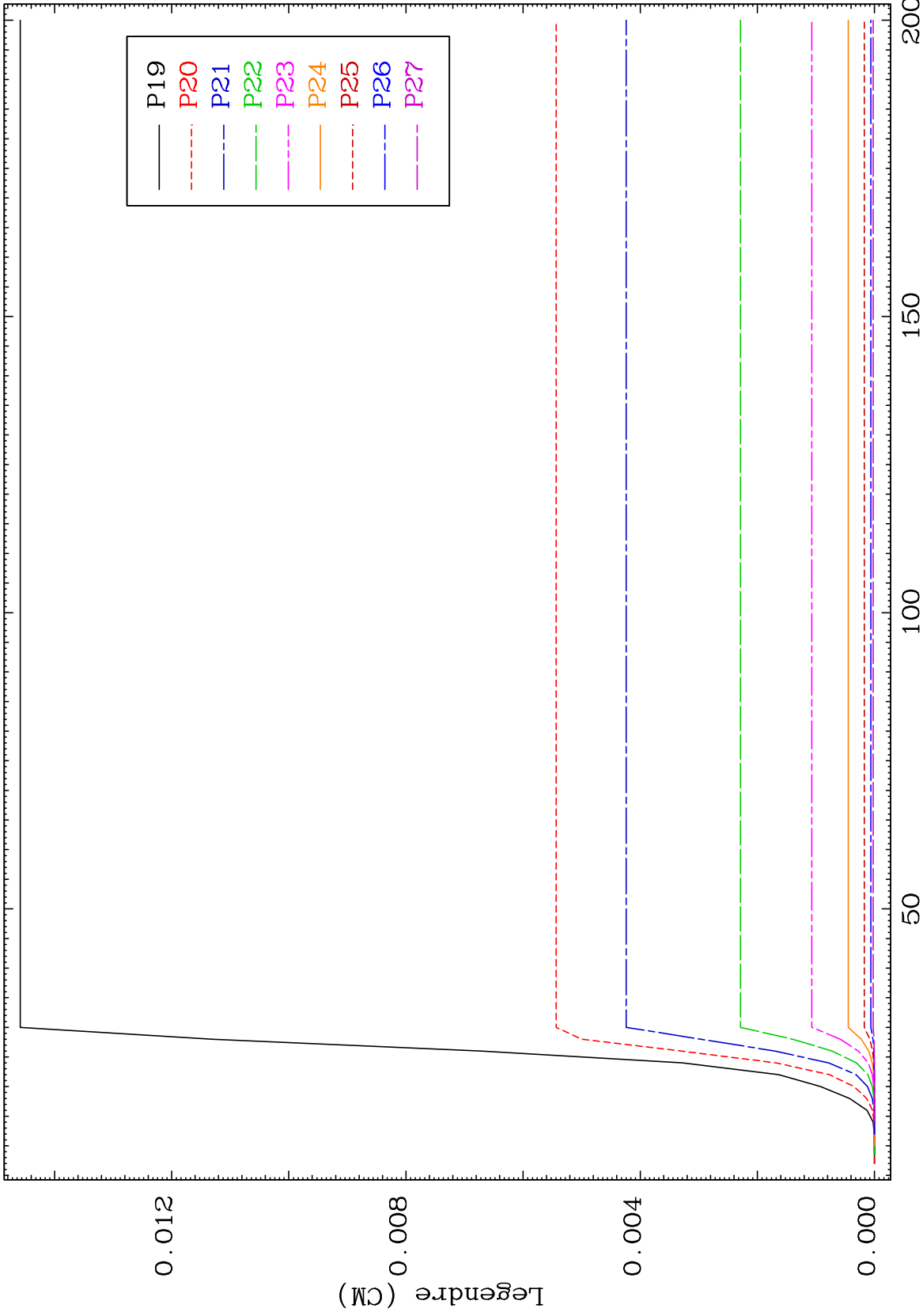
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



67

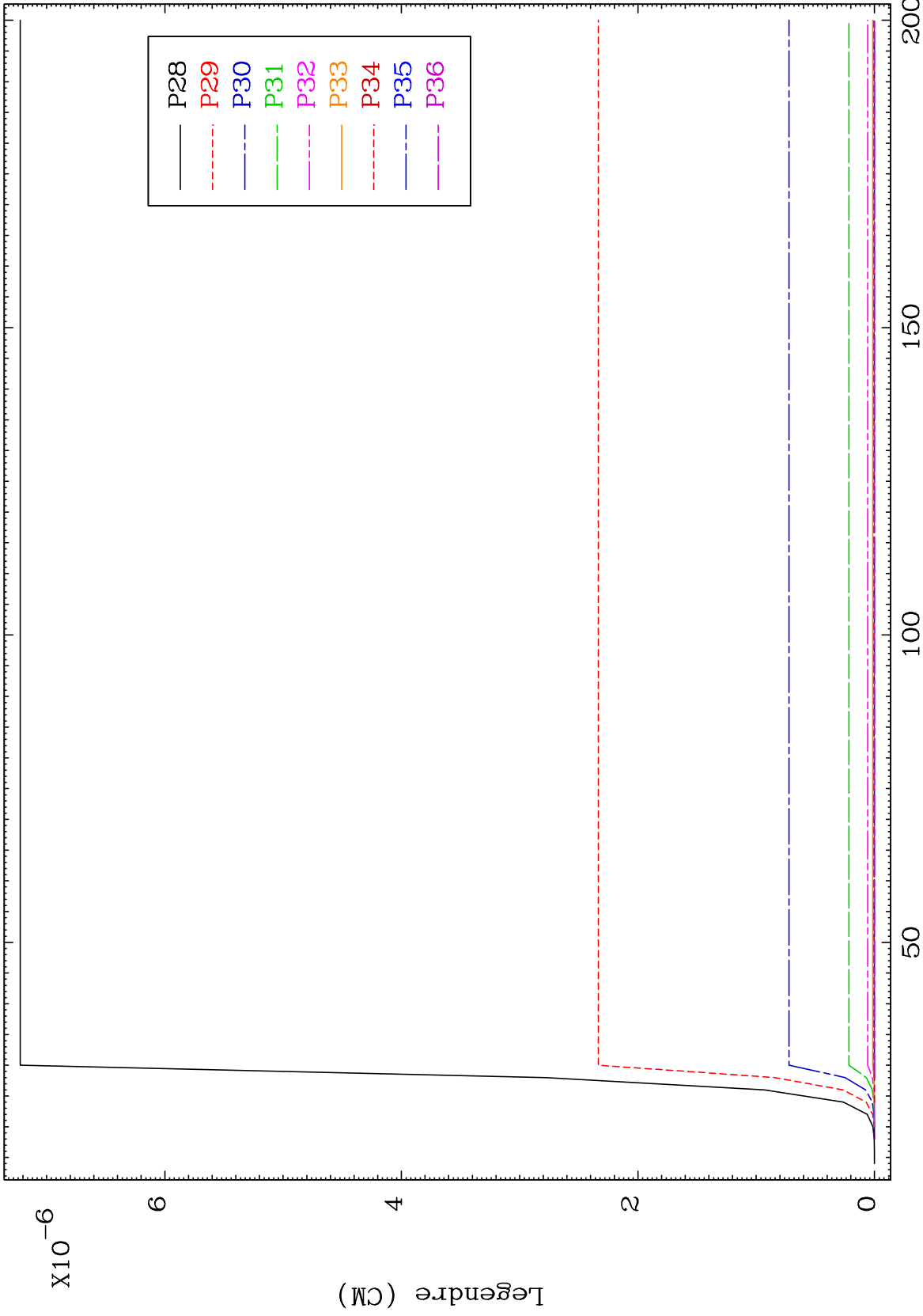
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



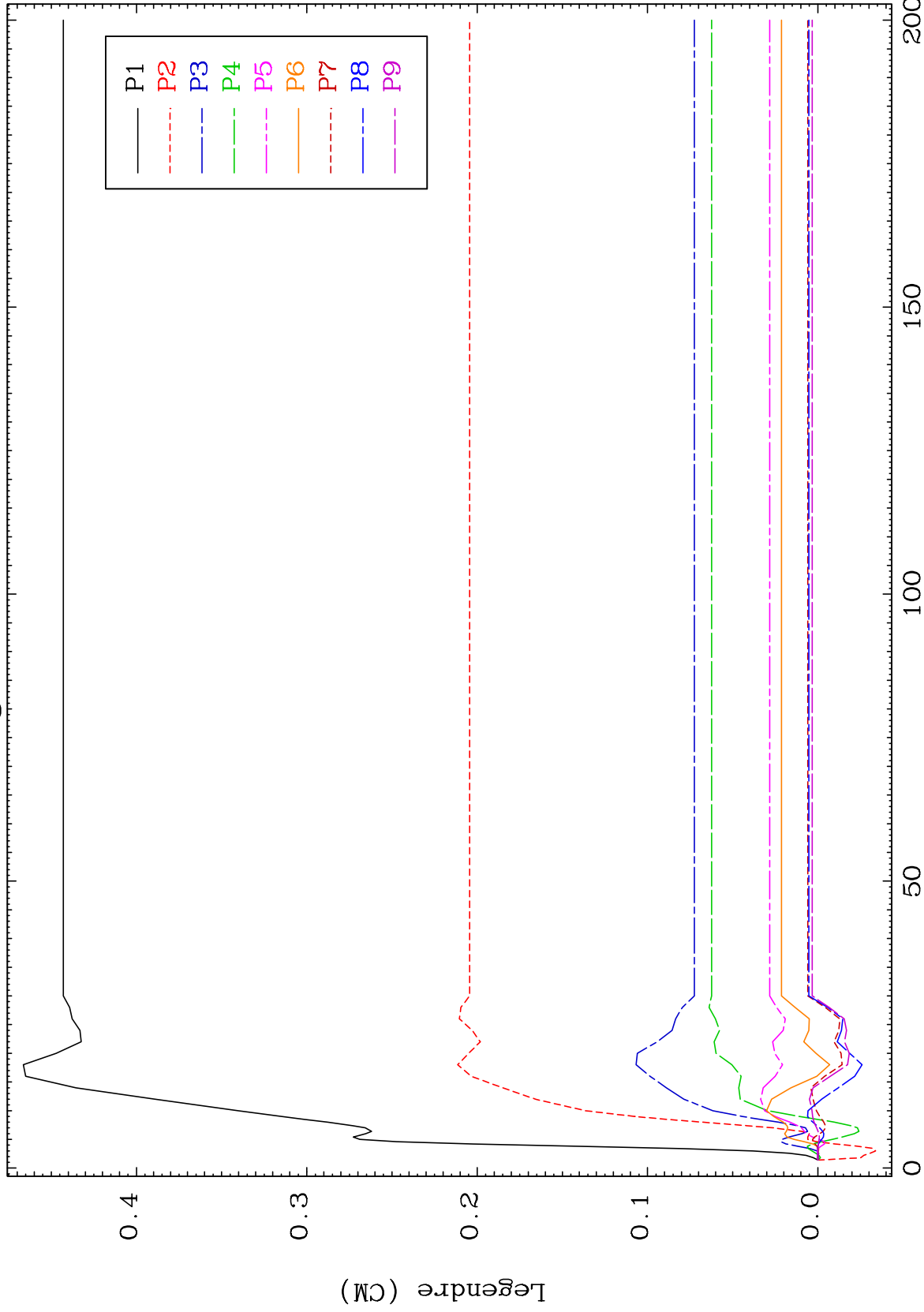
68

72-Hf-176

MAT 7231

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

72-Hf-176



69

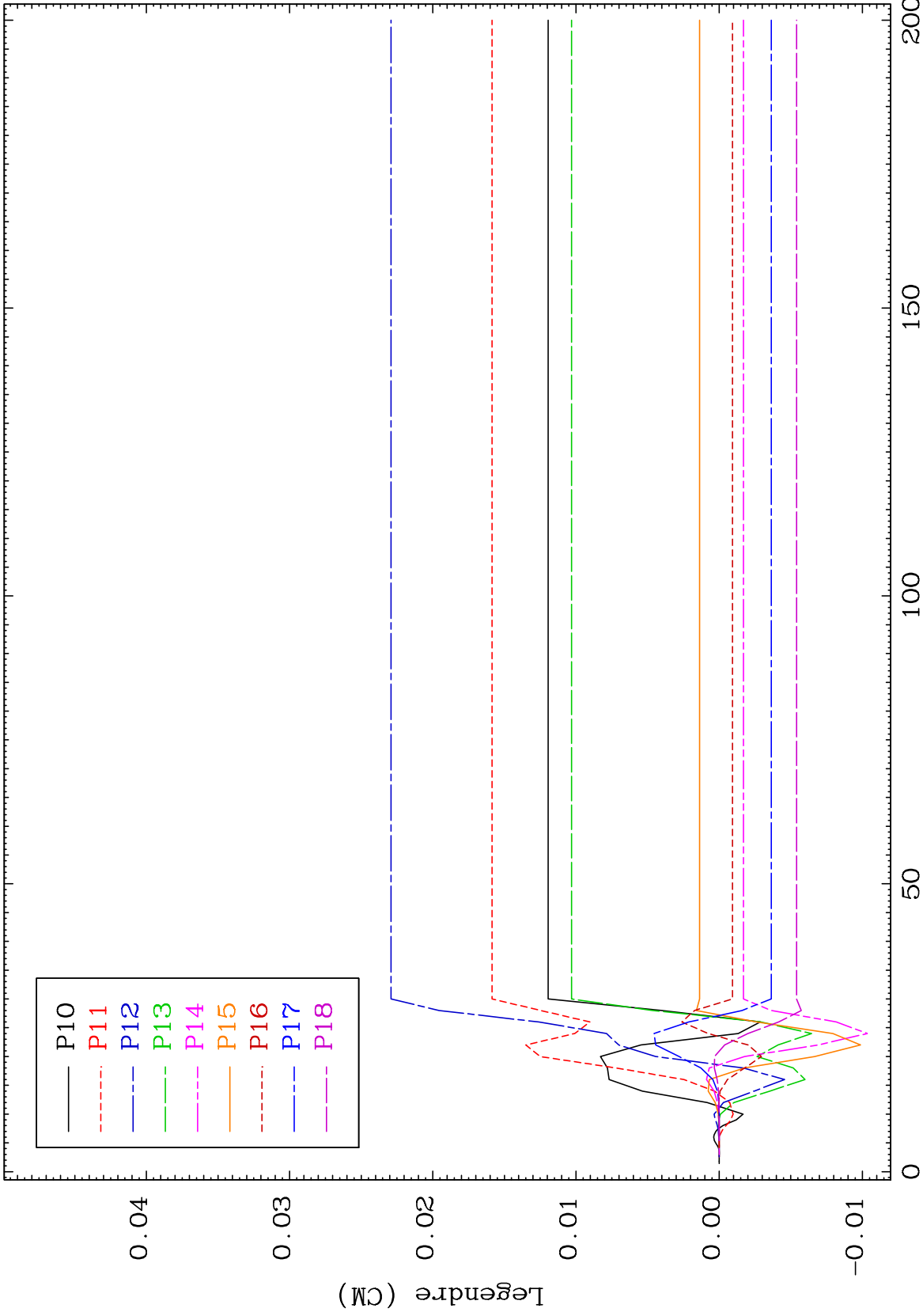
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



70

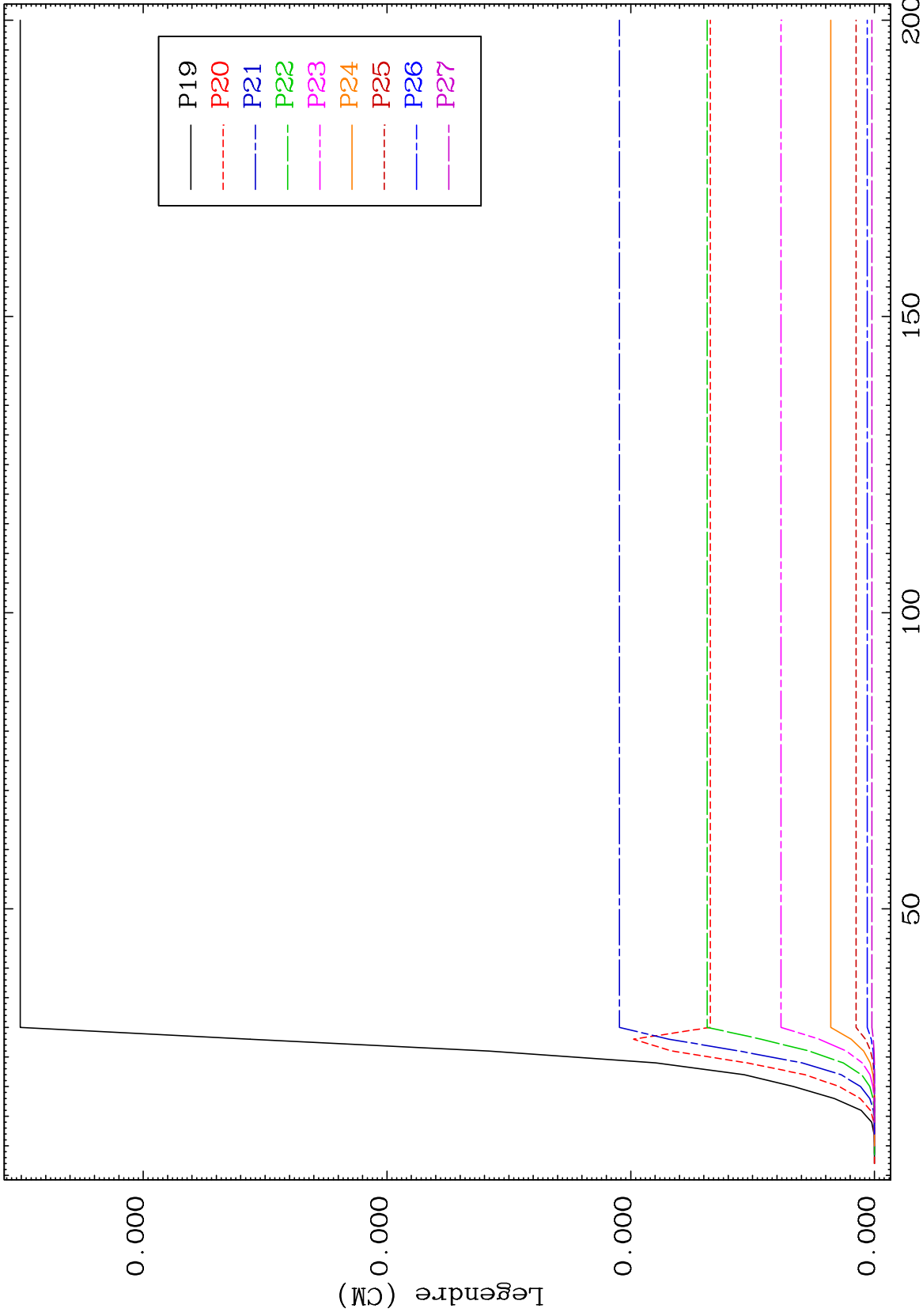
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



71

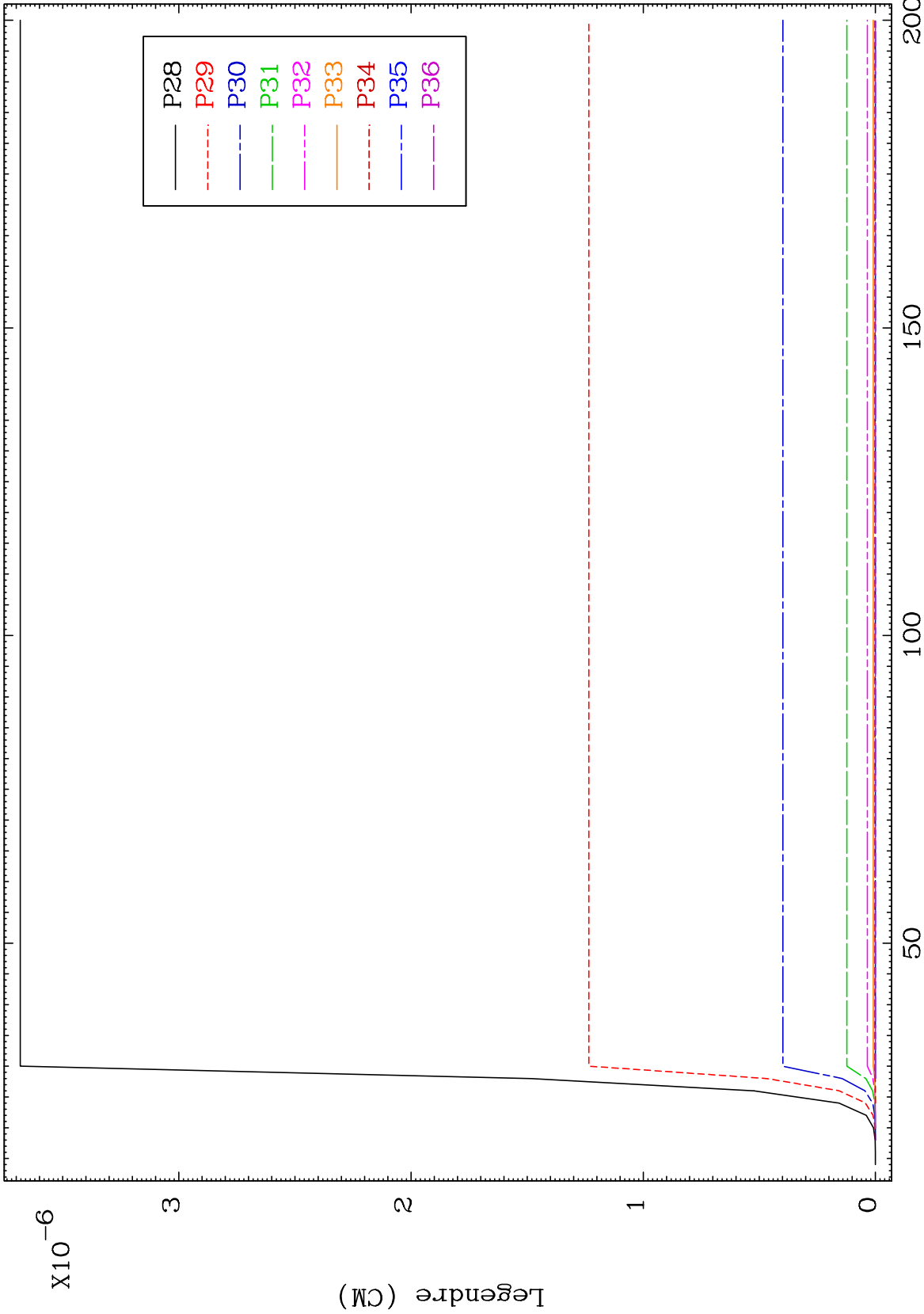
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



72

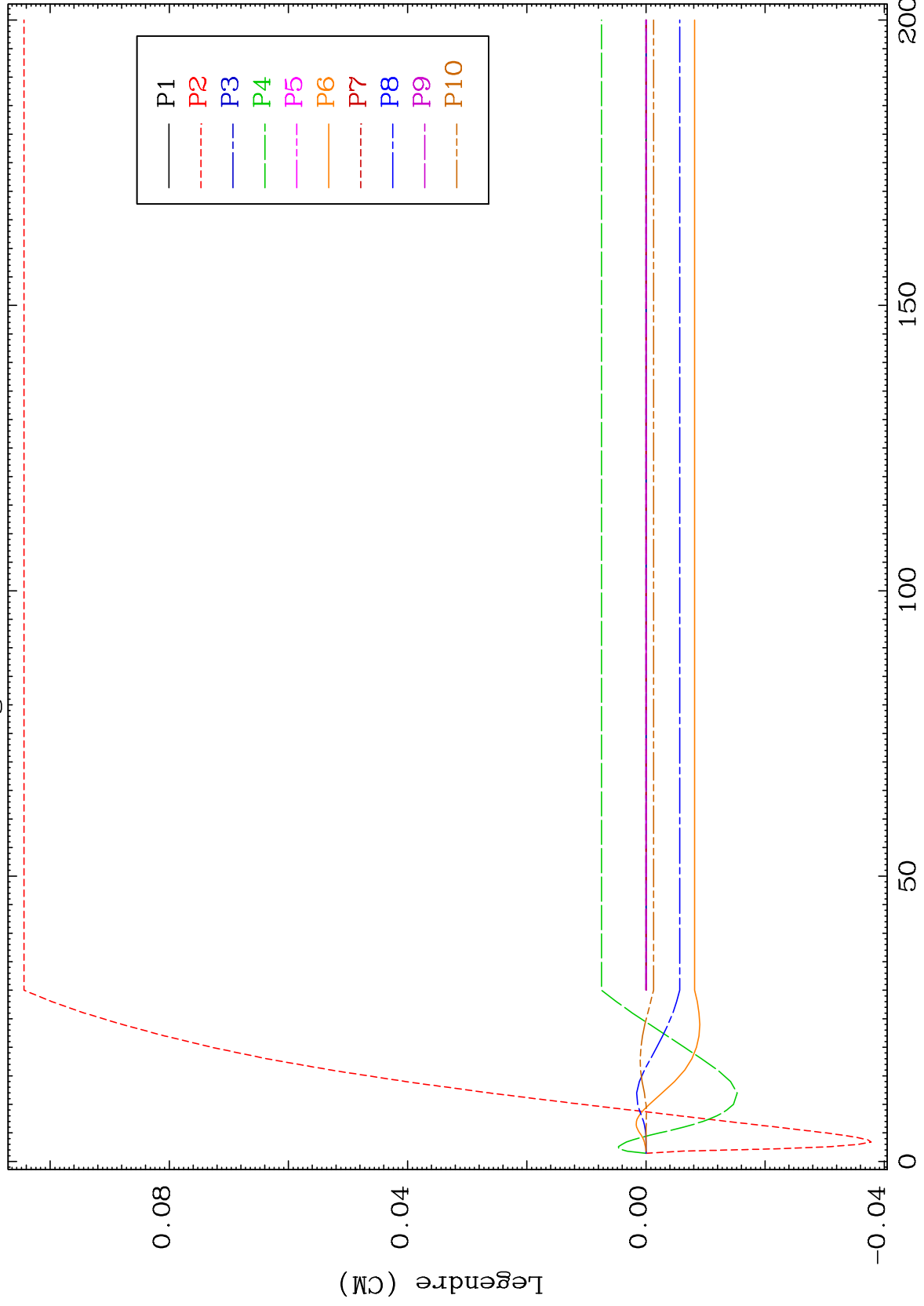
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



73

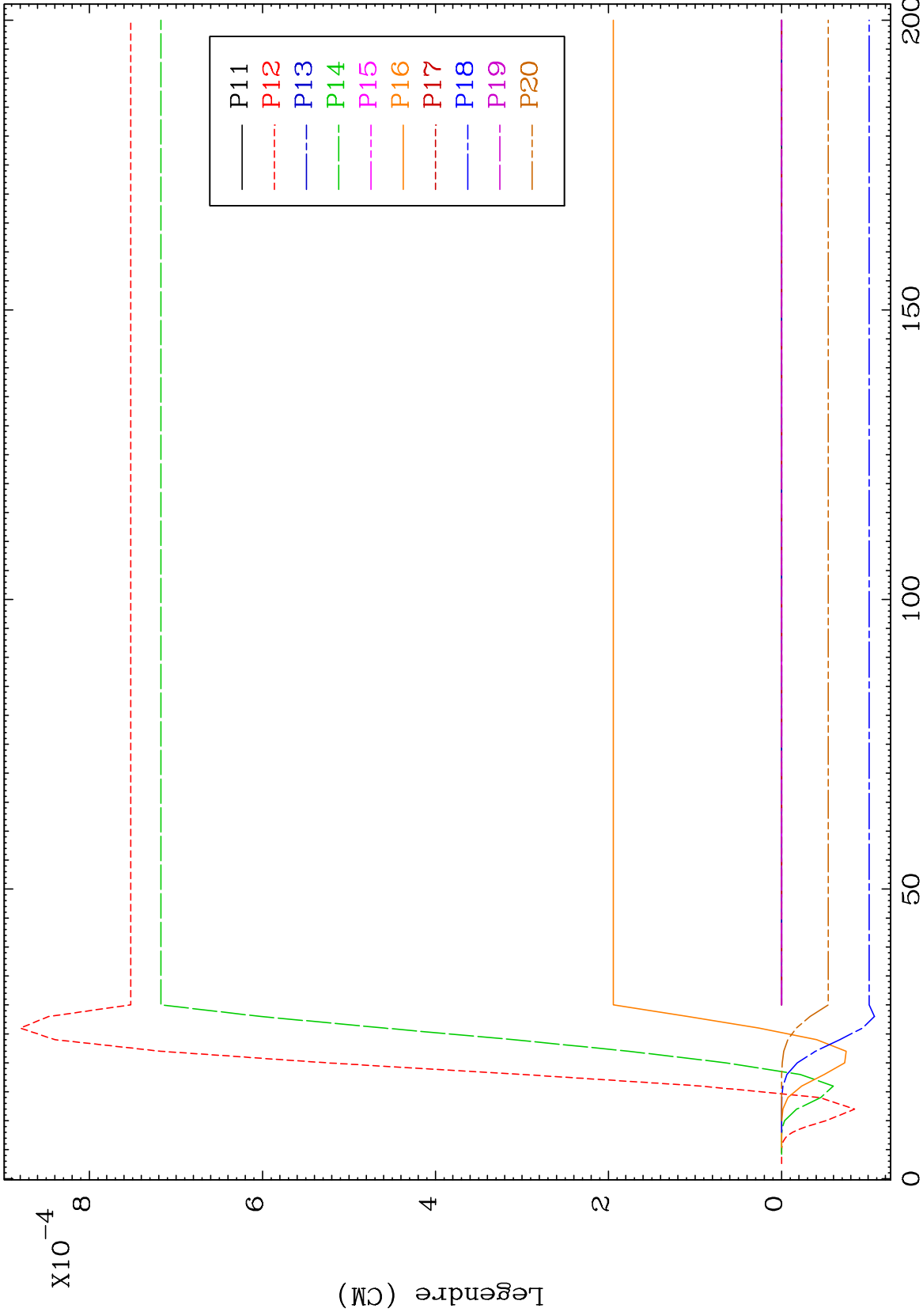
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



74

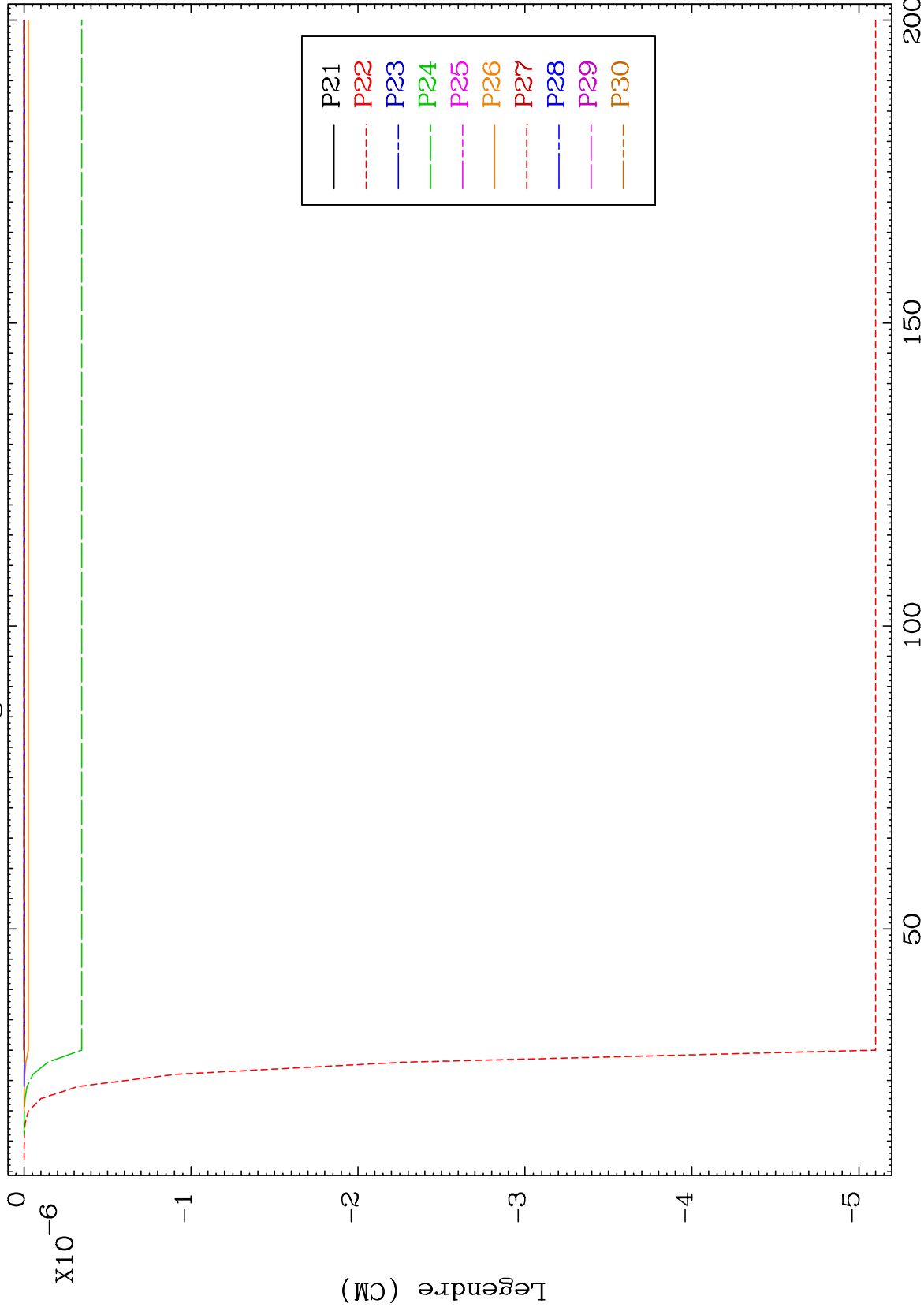
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



75

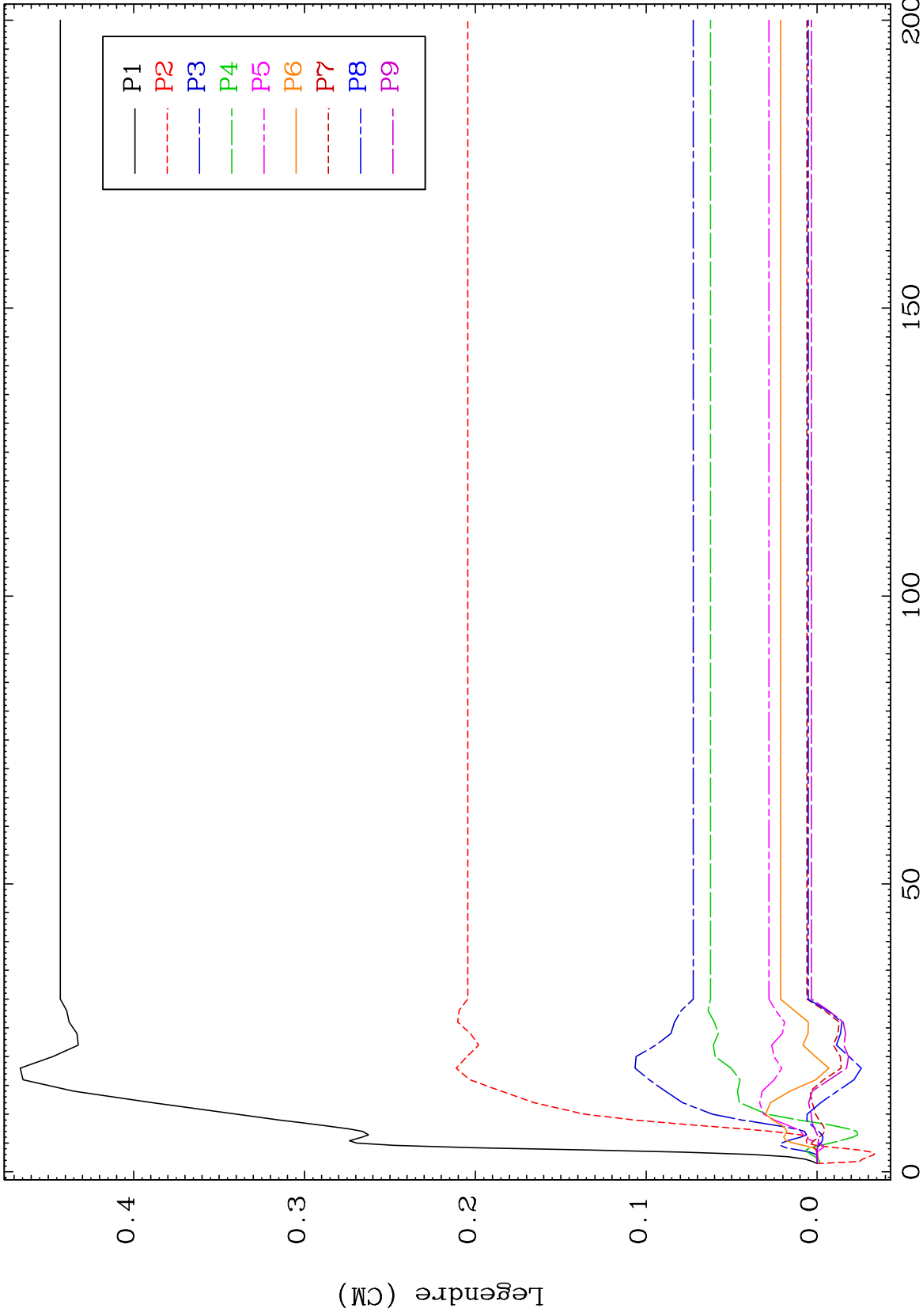
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



76

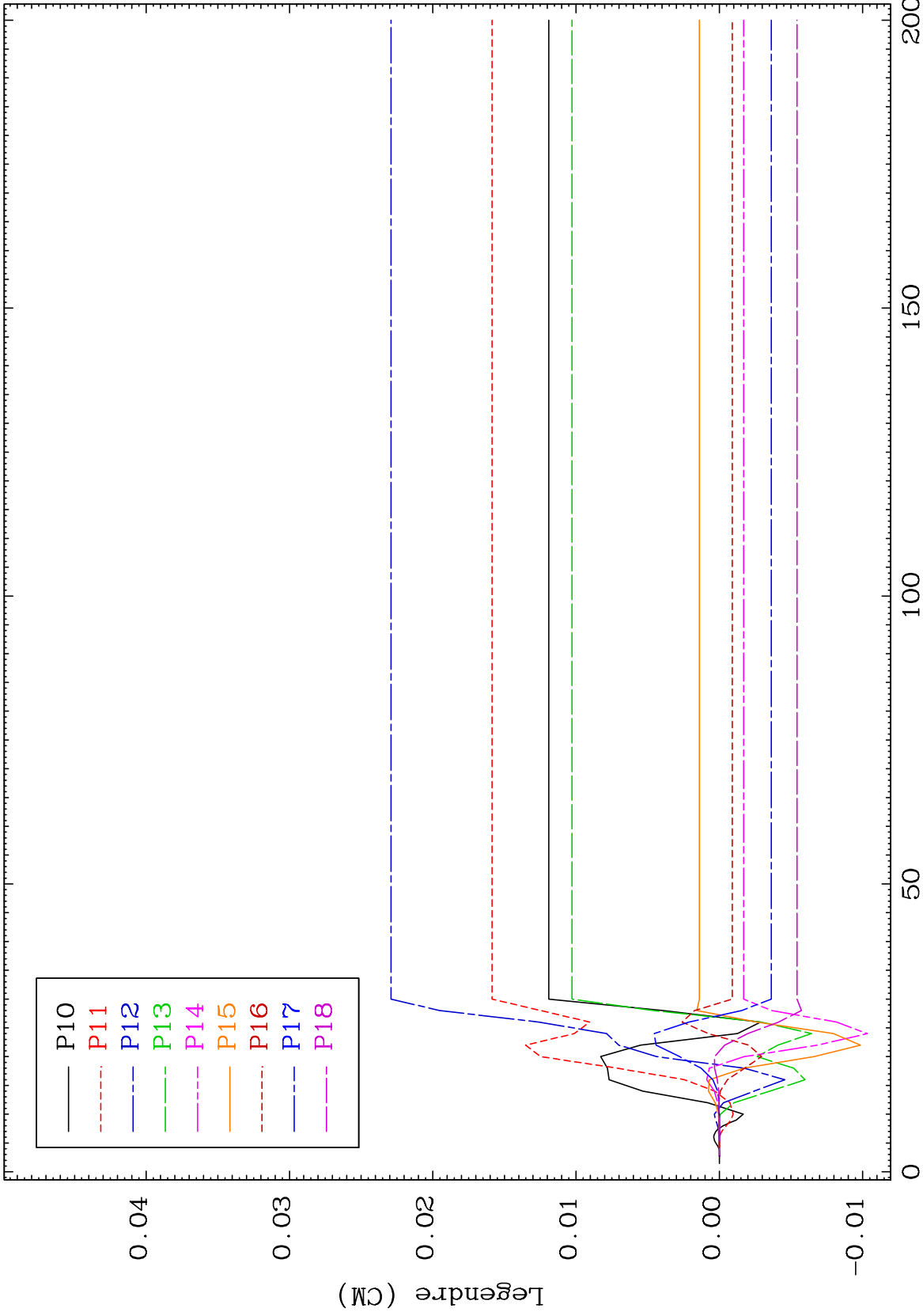
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



77

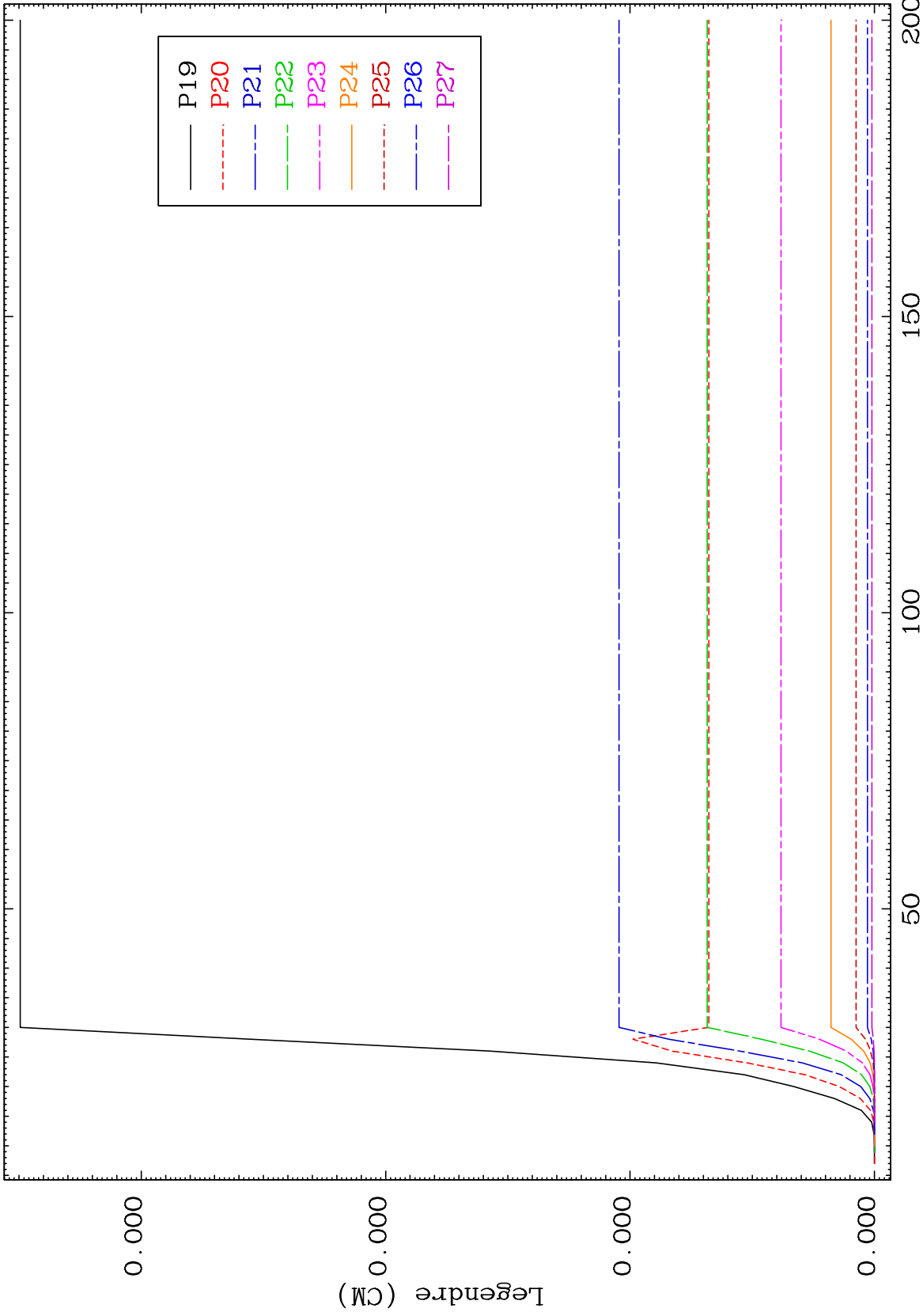
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



78

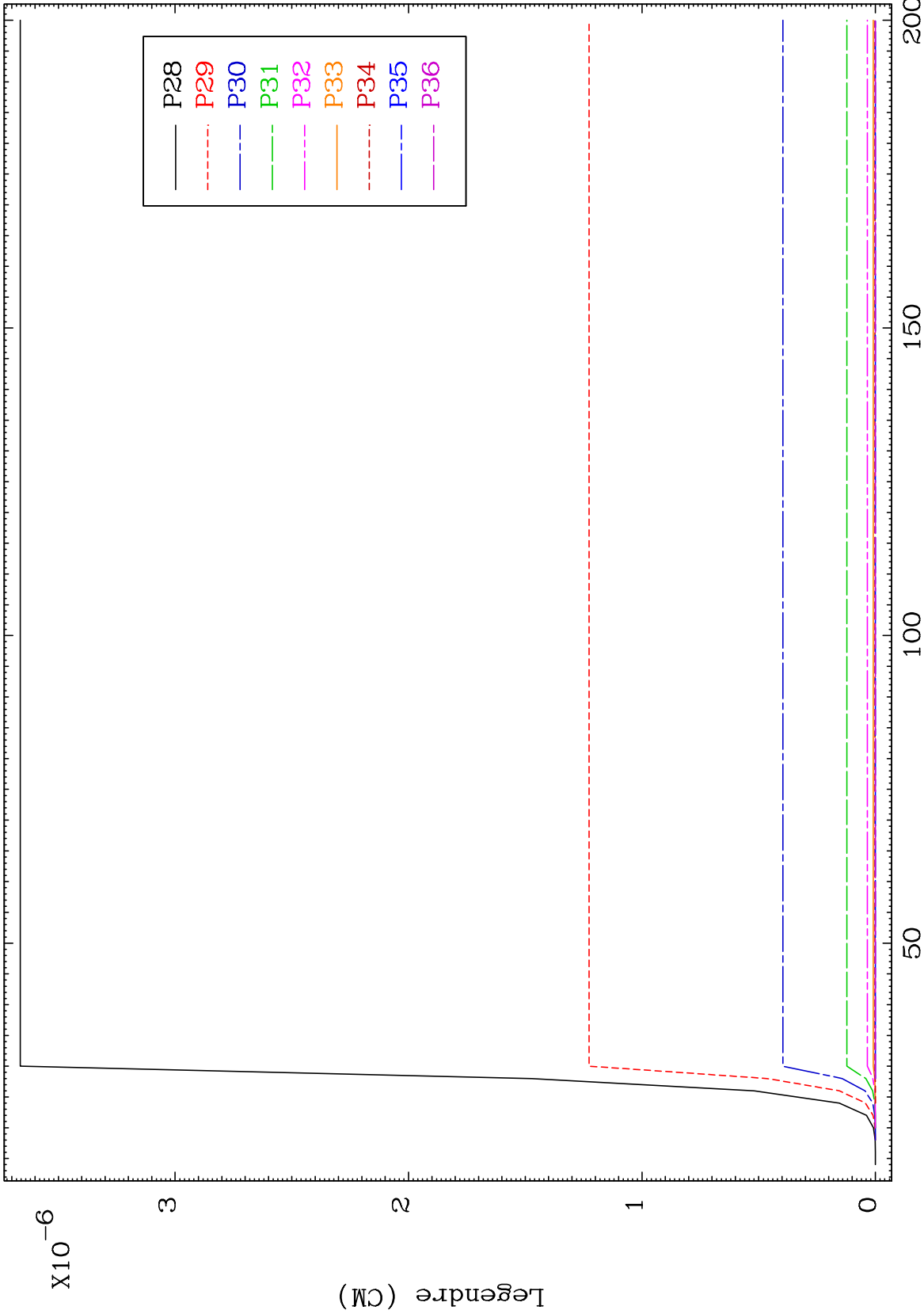
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



79

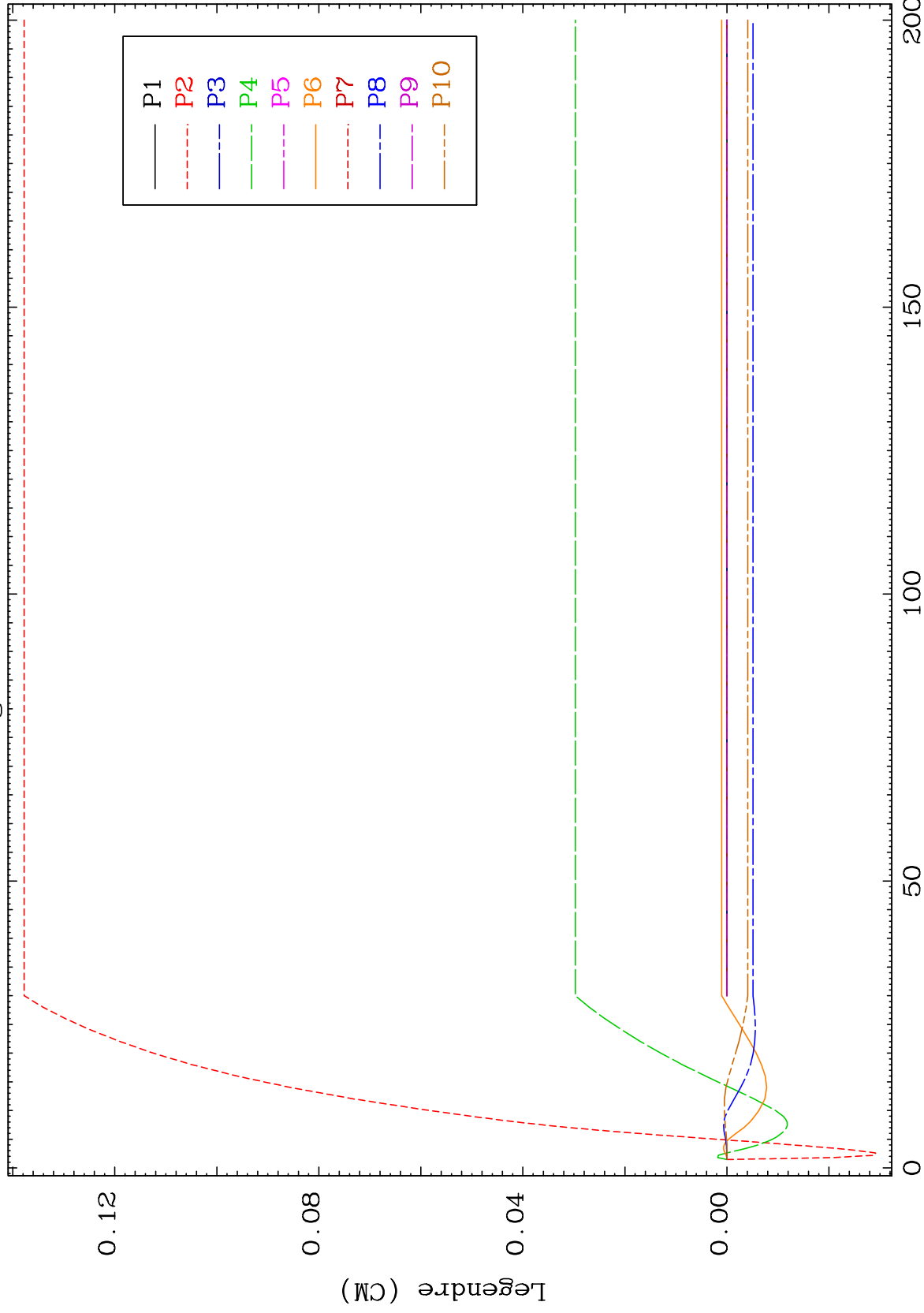
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

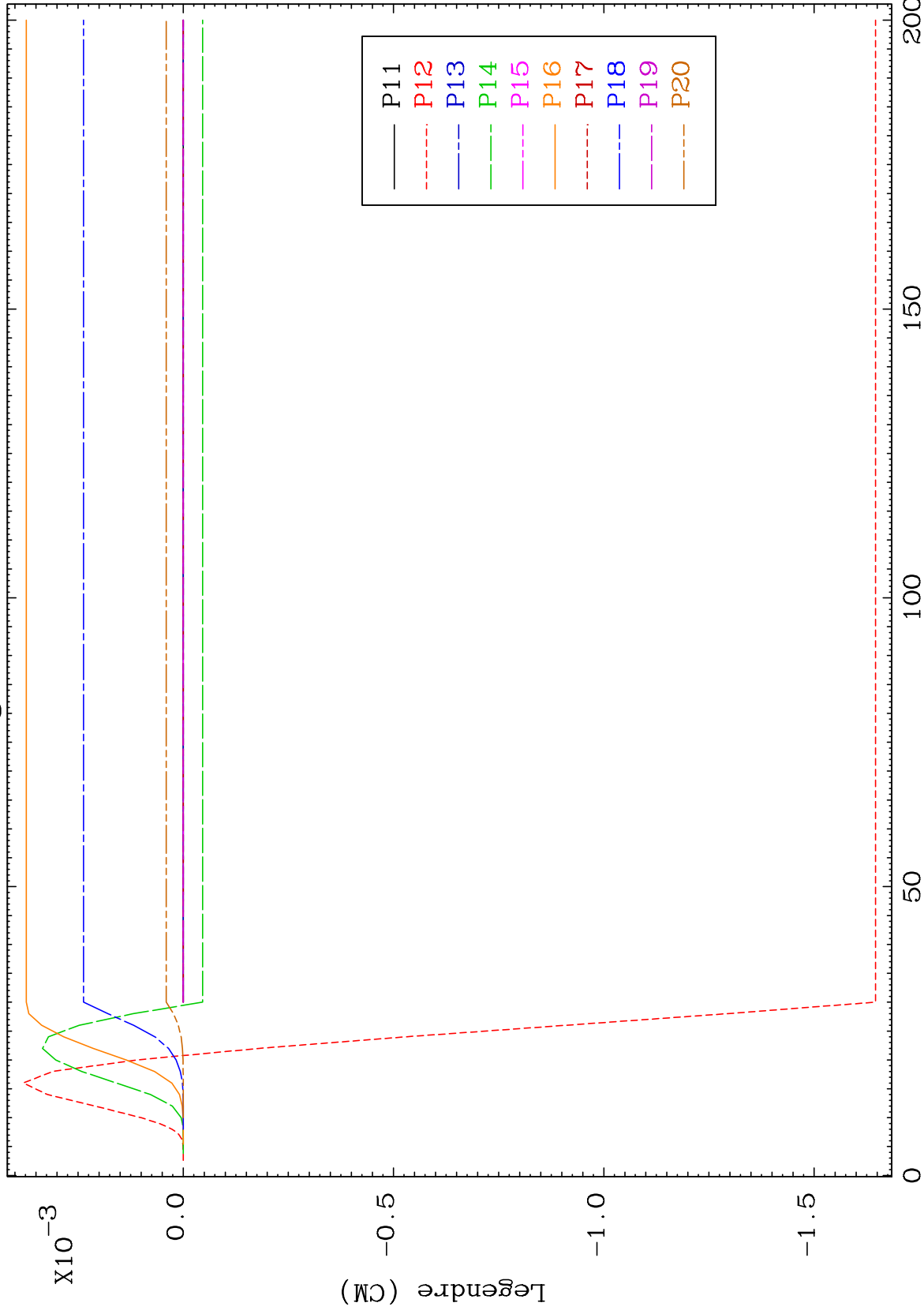
72-Hf-176



80

Incident Energy (MeV)

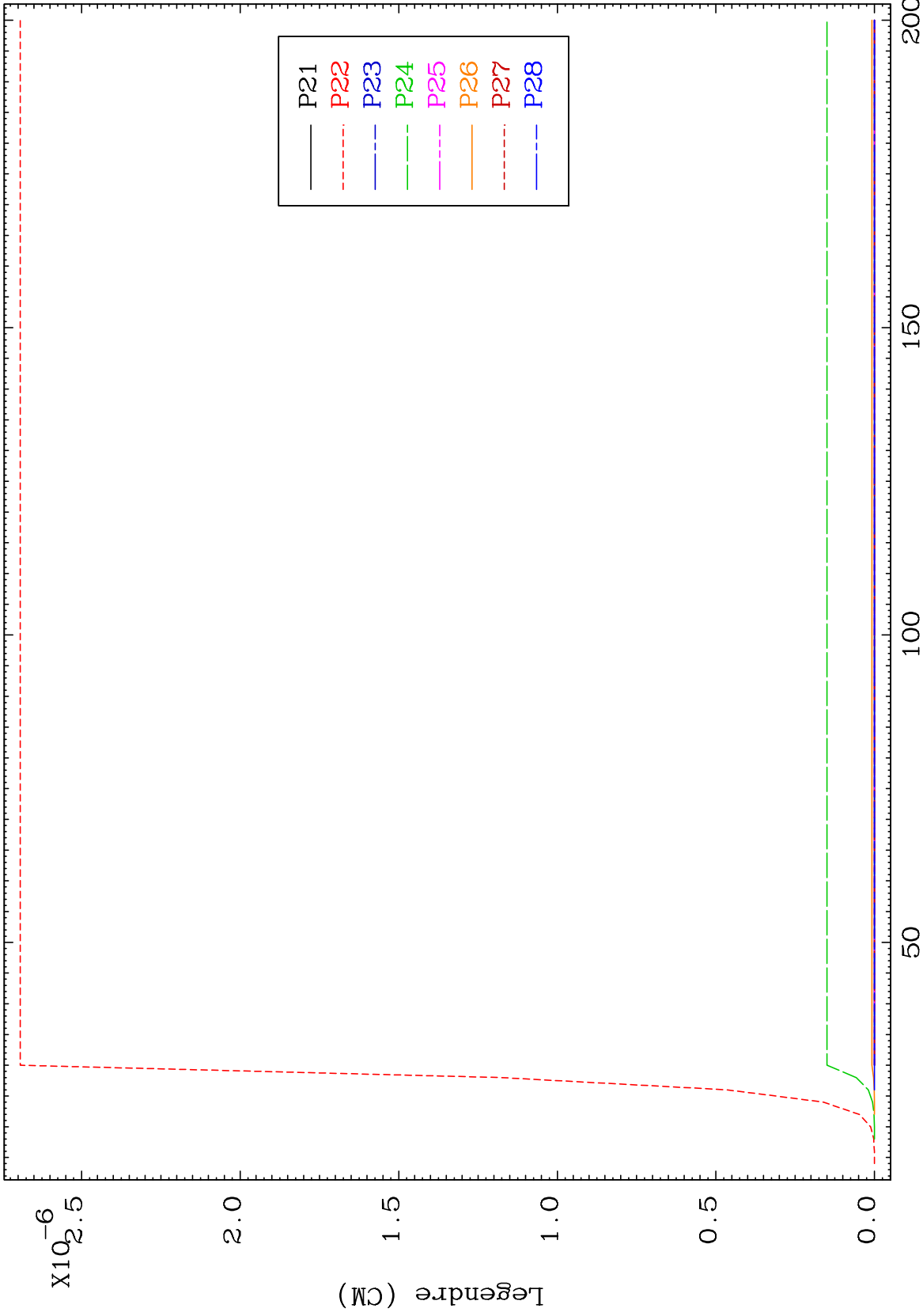
72-Hf-176



MAT 7231

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

72-Hf-176



82

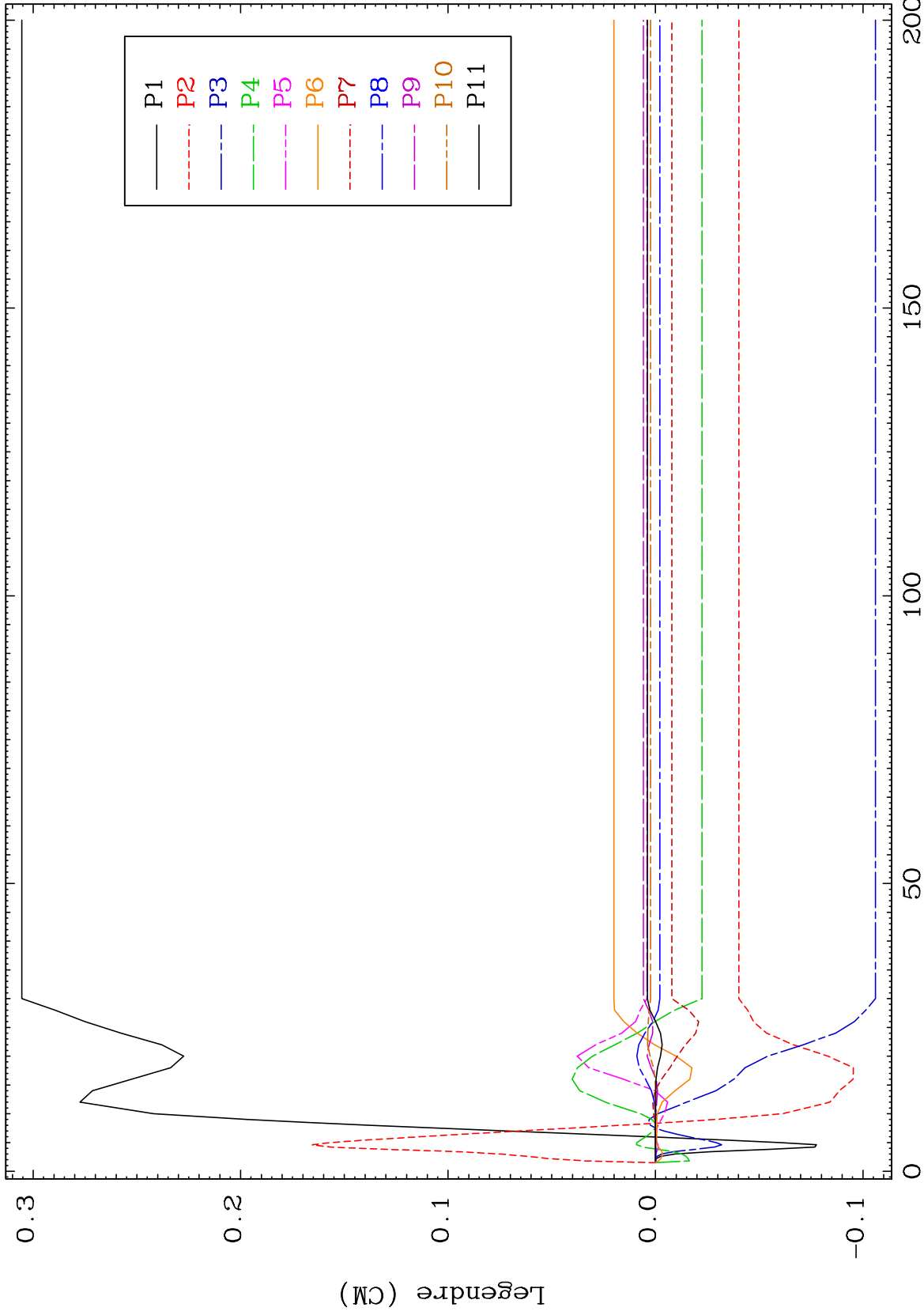
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



83

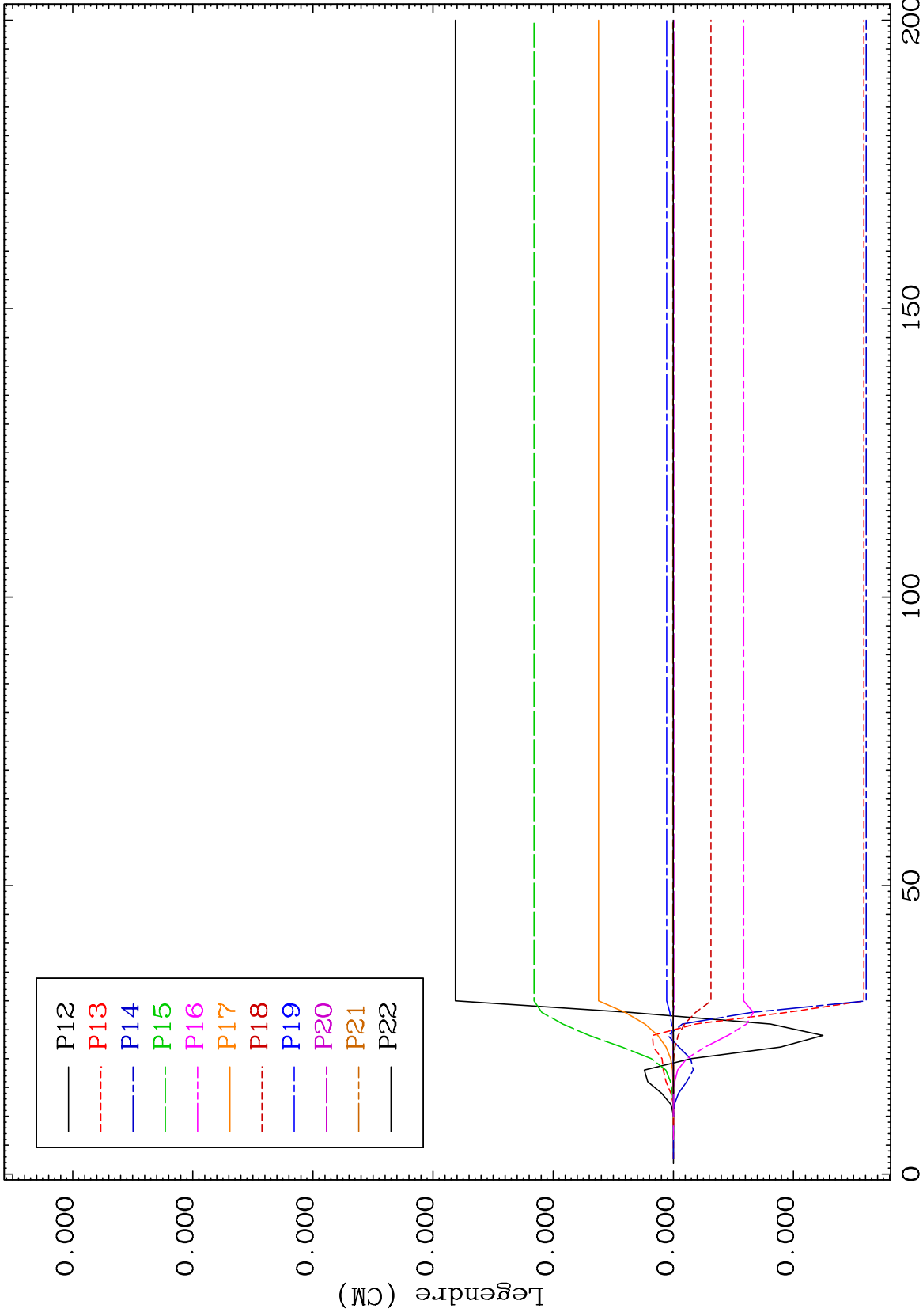
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



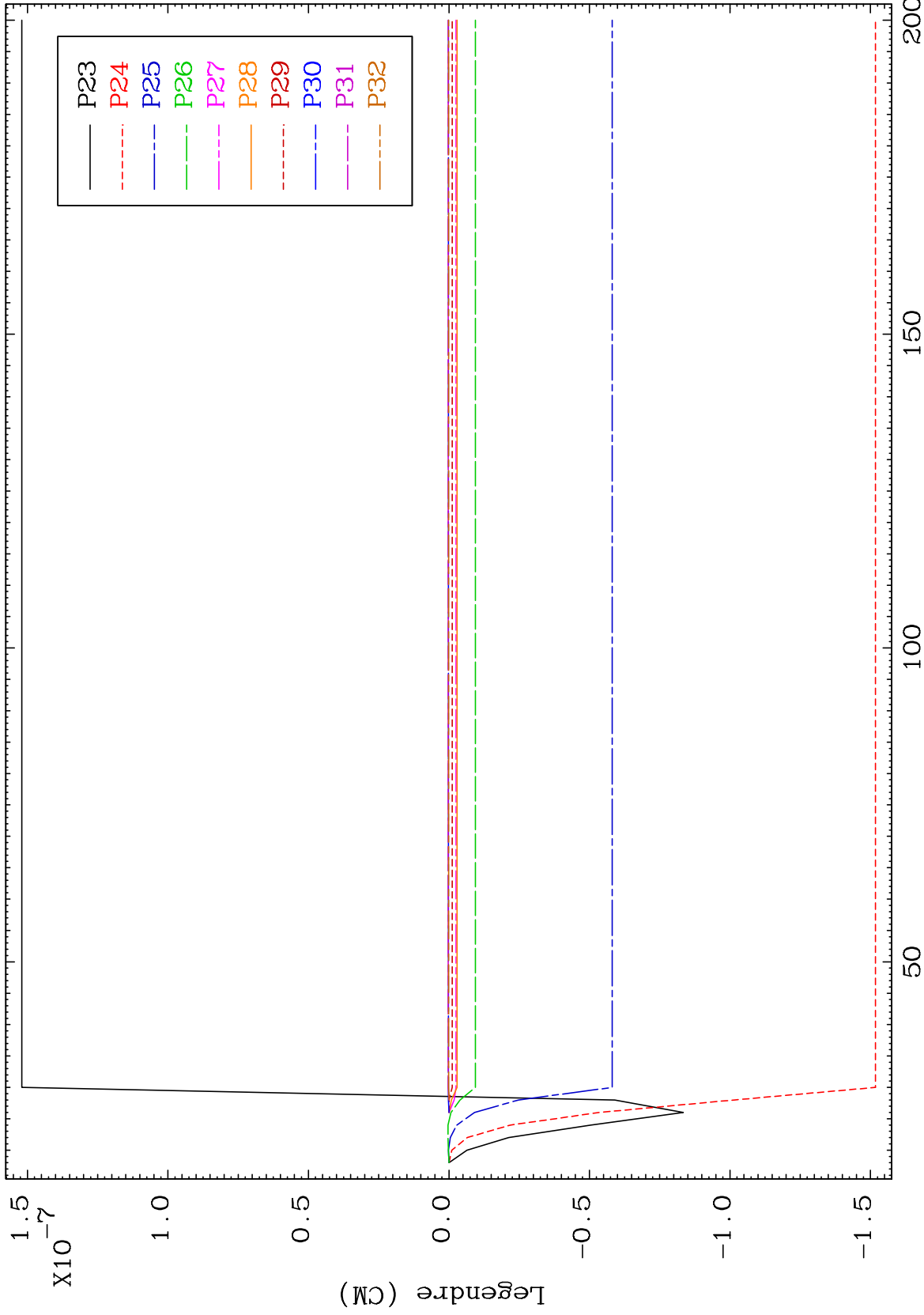
84

72-Hf-176

MAT 7231

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

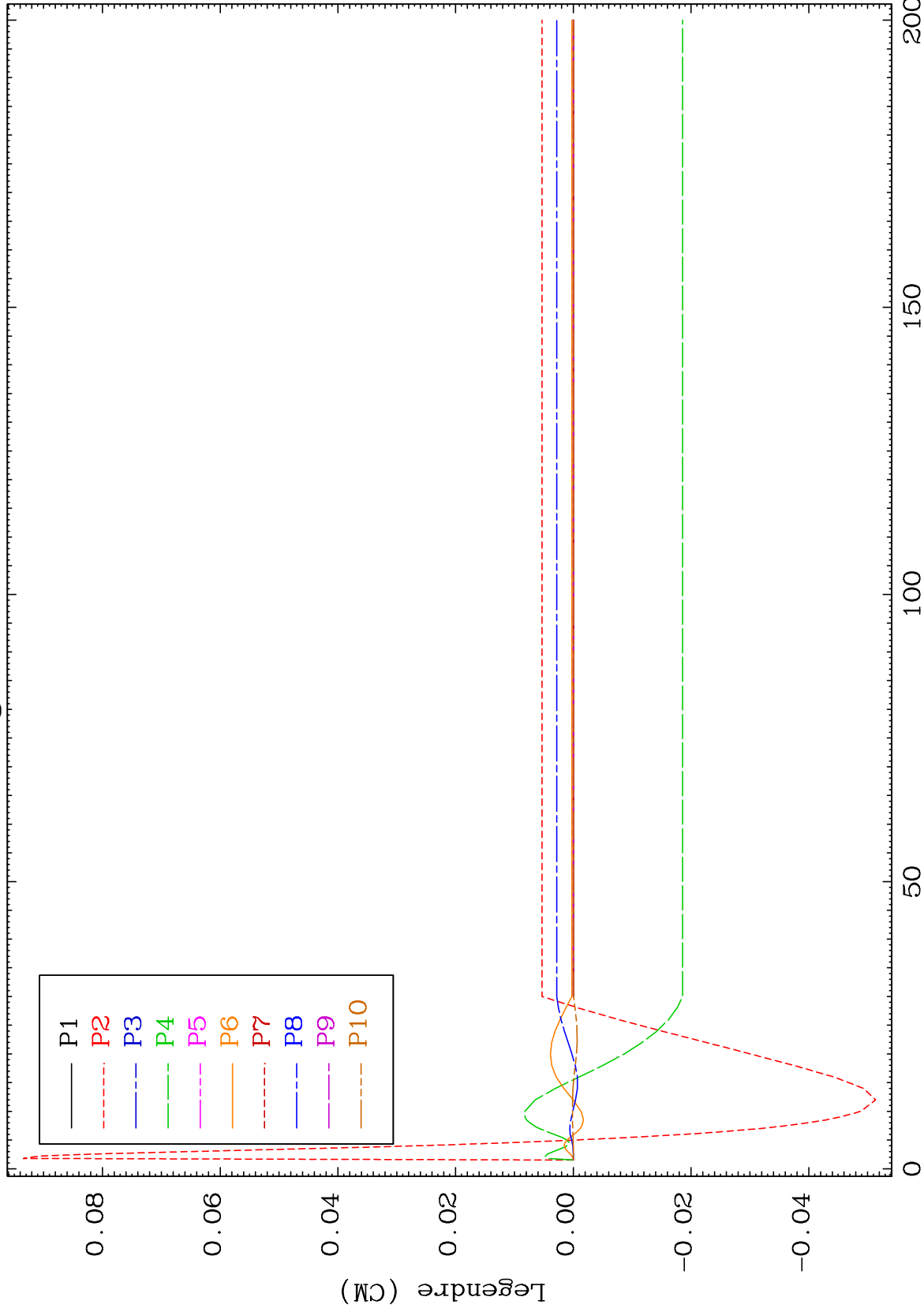
72-Hf-176



85

Incident Energy (MeV)

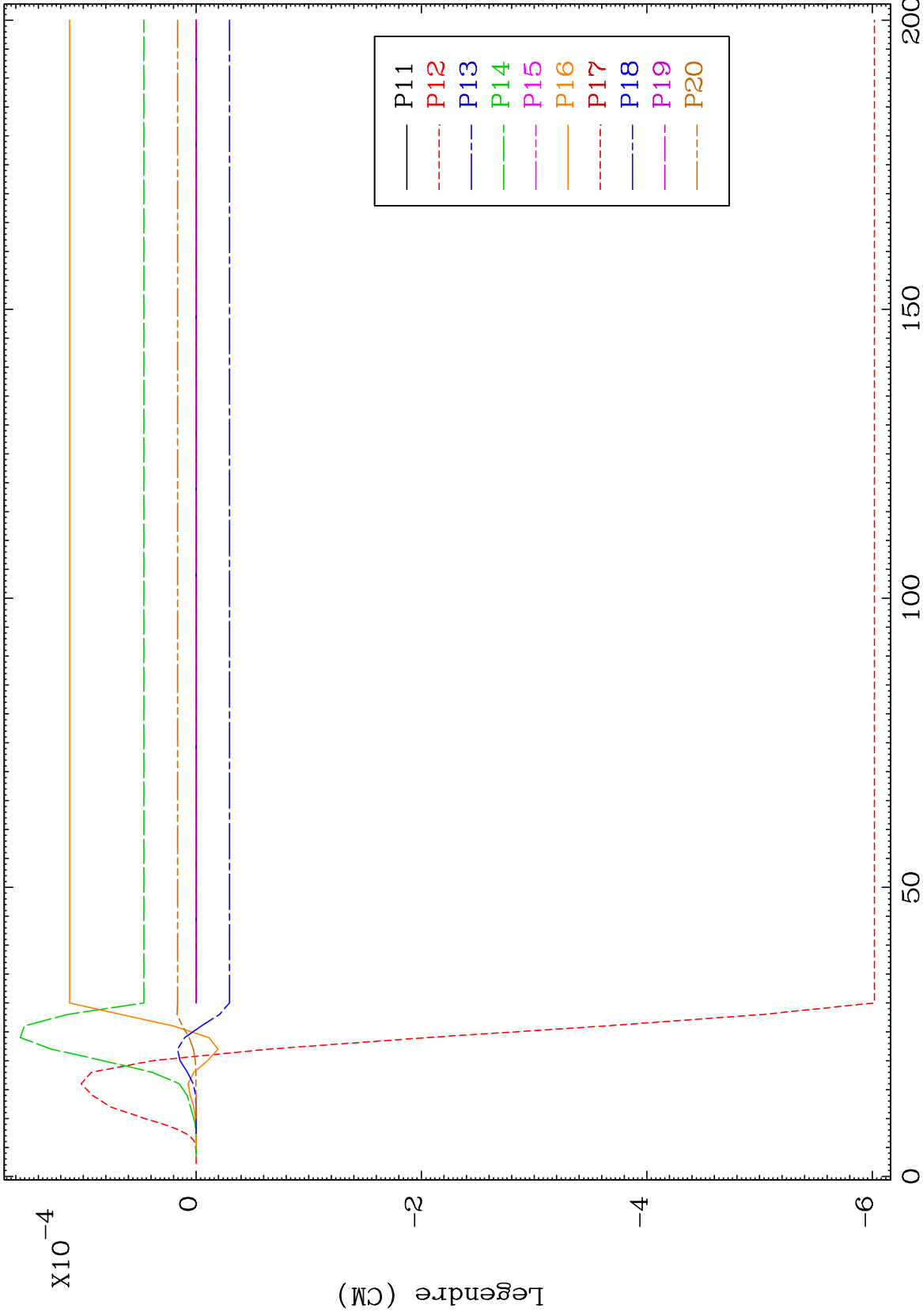
72-Hf-176



MAT 7231

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

72-Hf-176



87

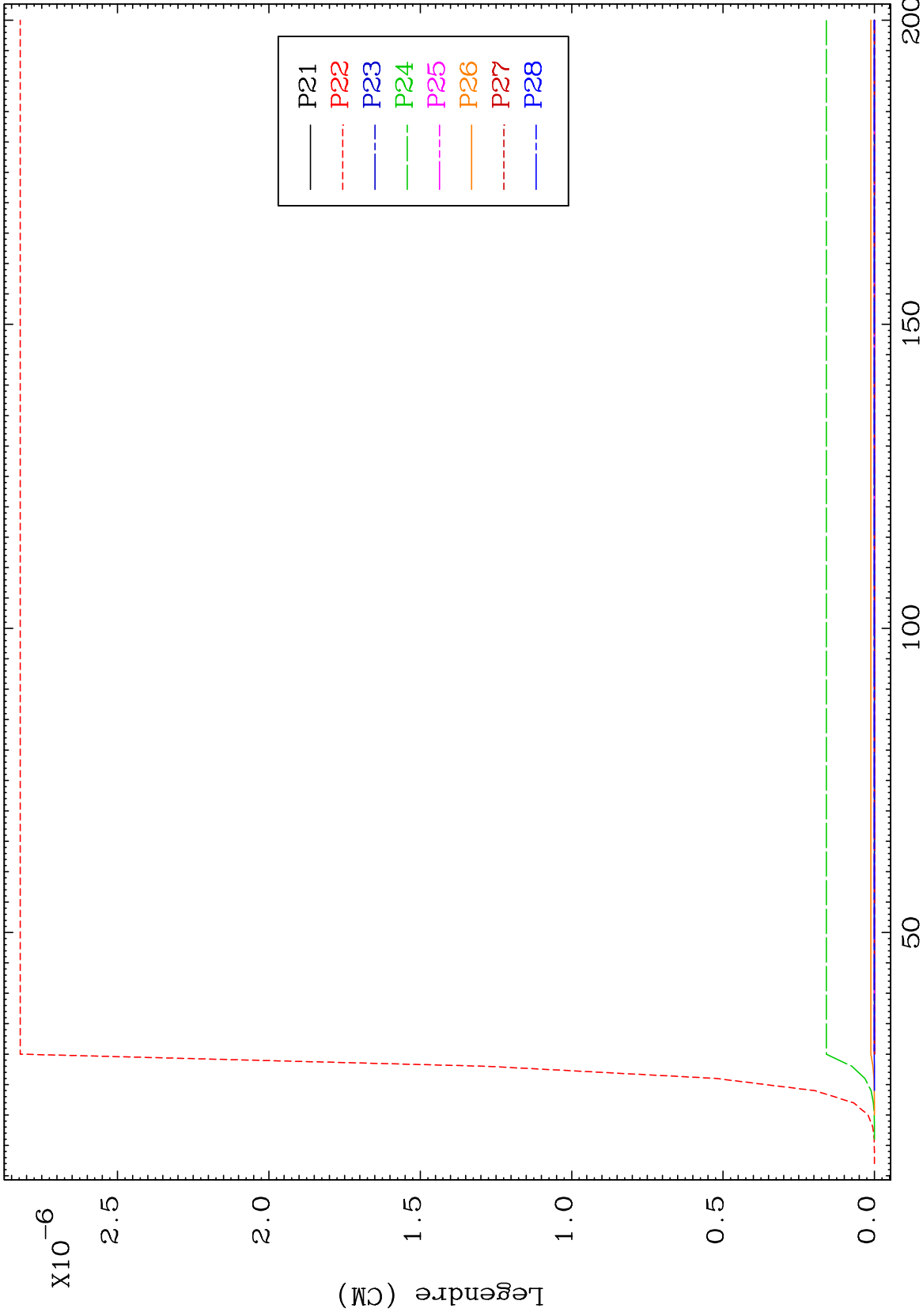
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



88

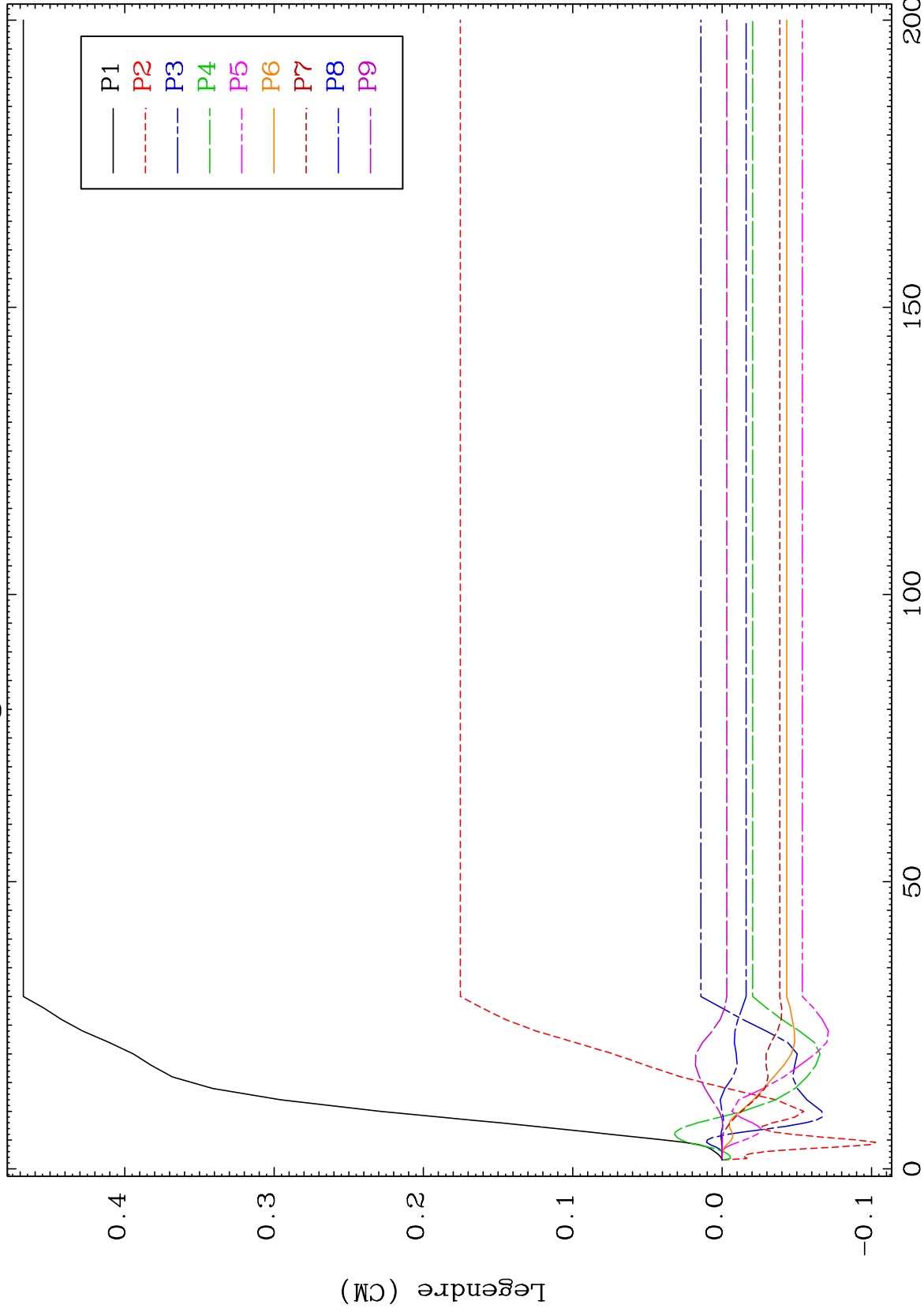
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



89

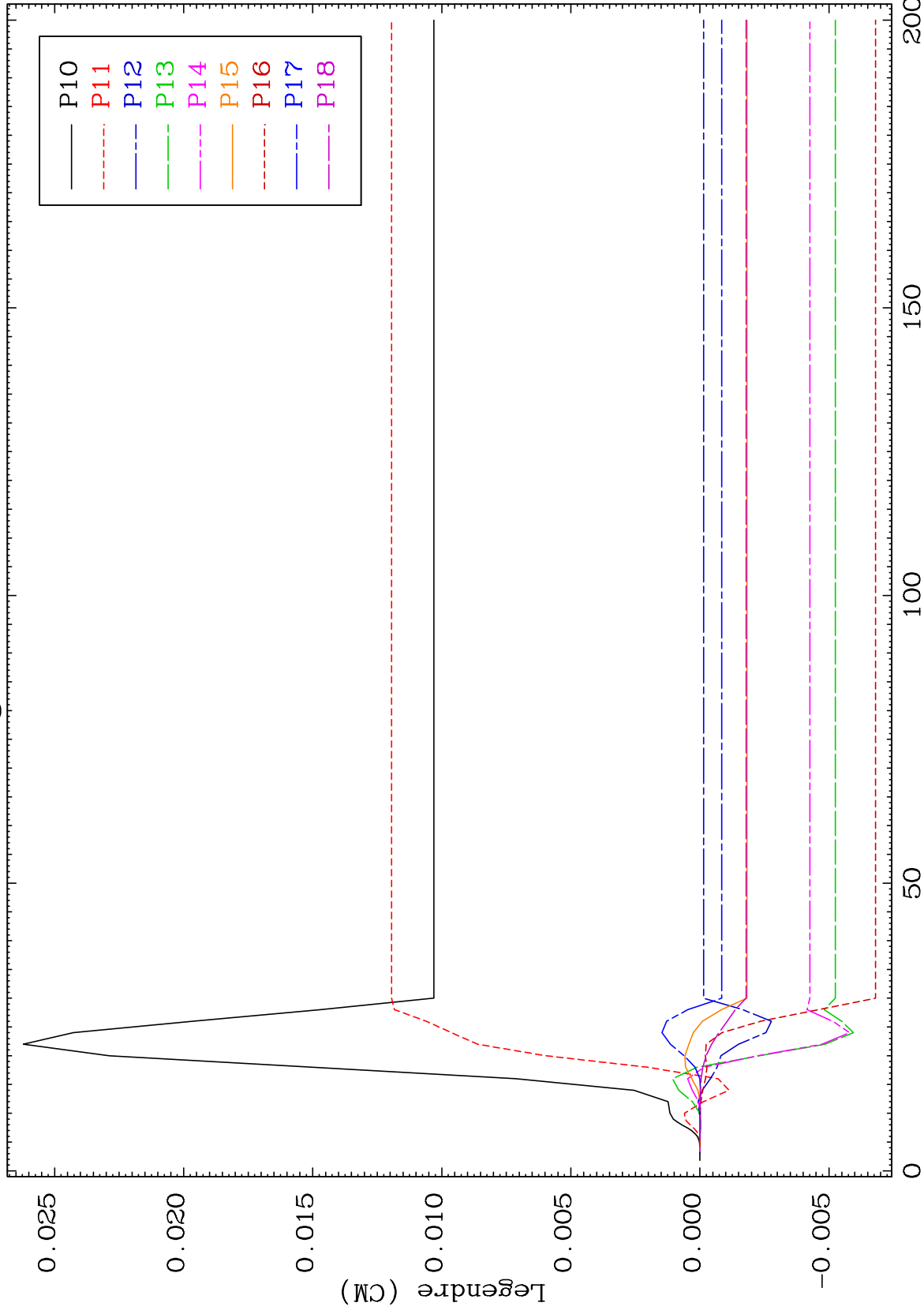
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



90

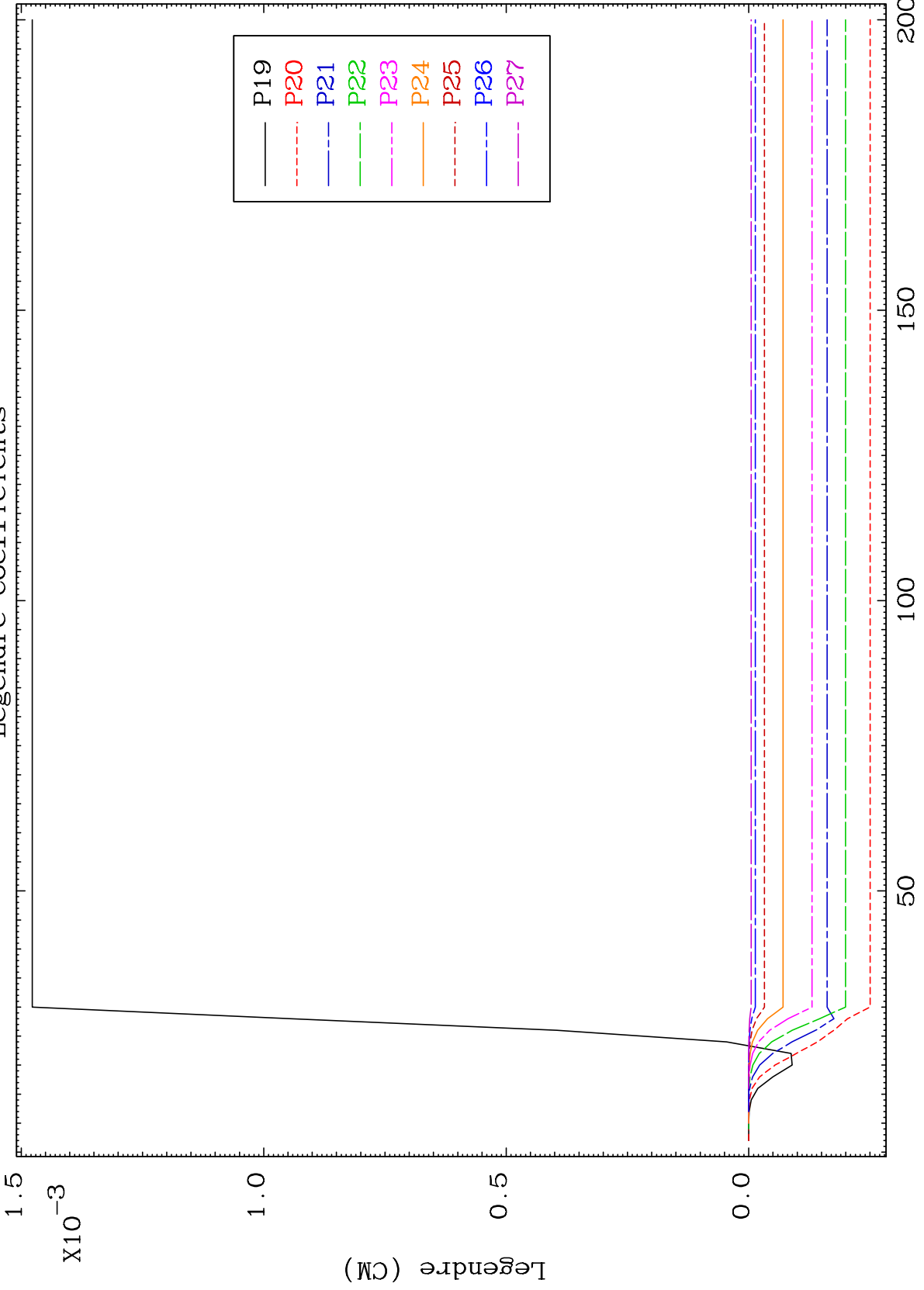
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



91

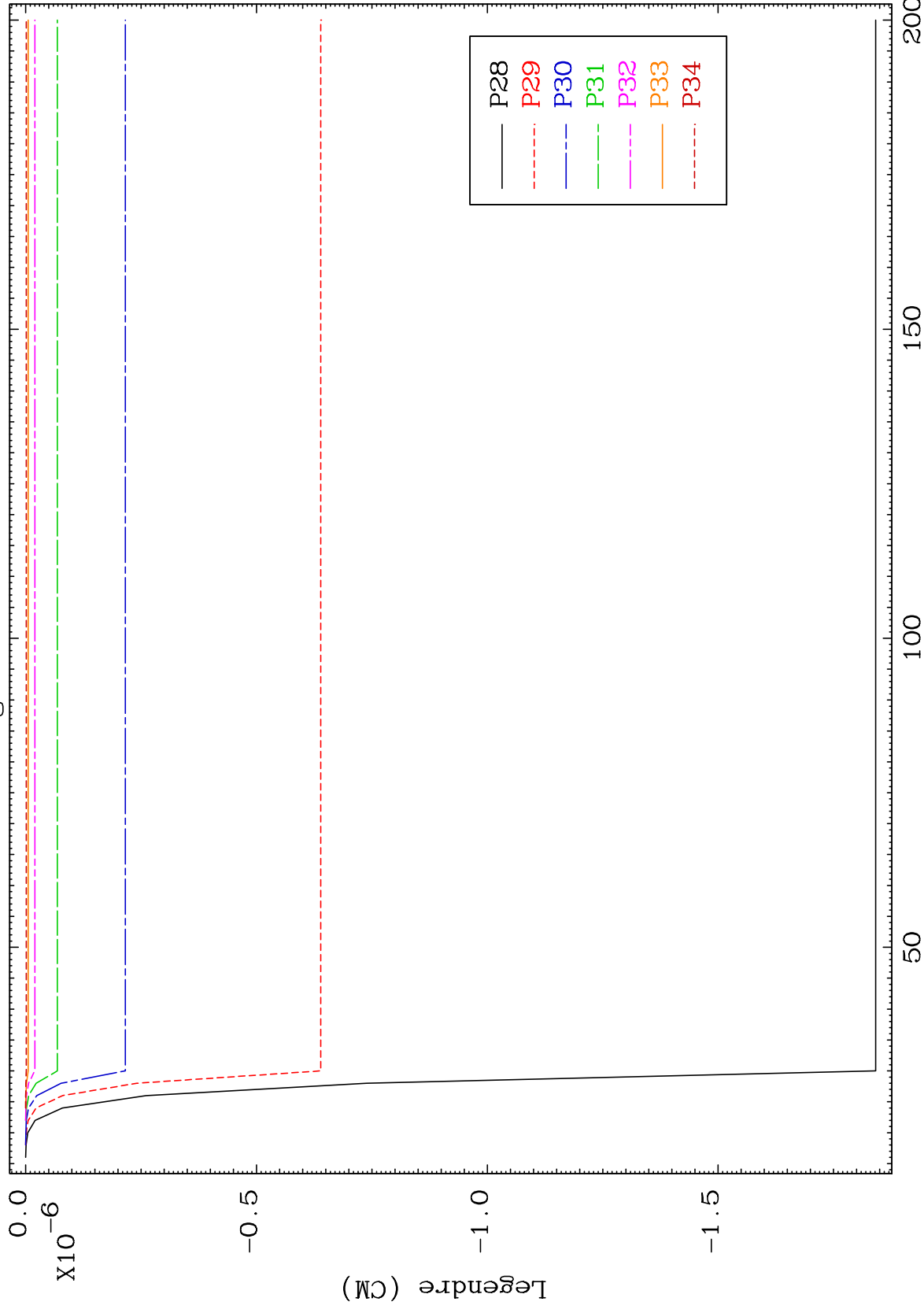
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



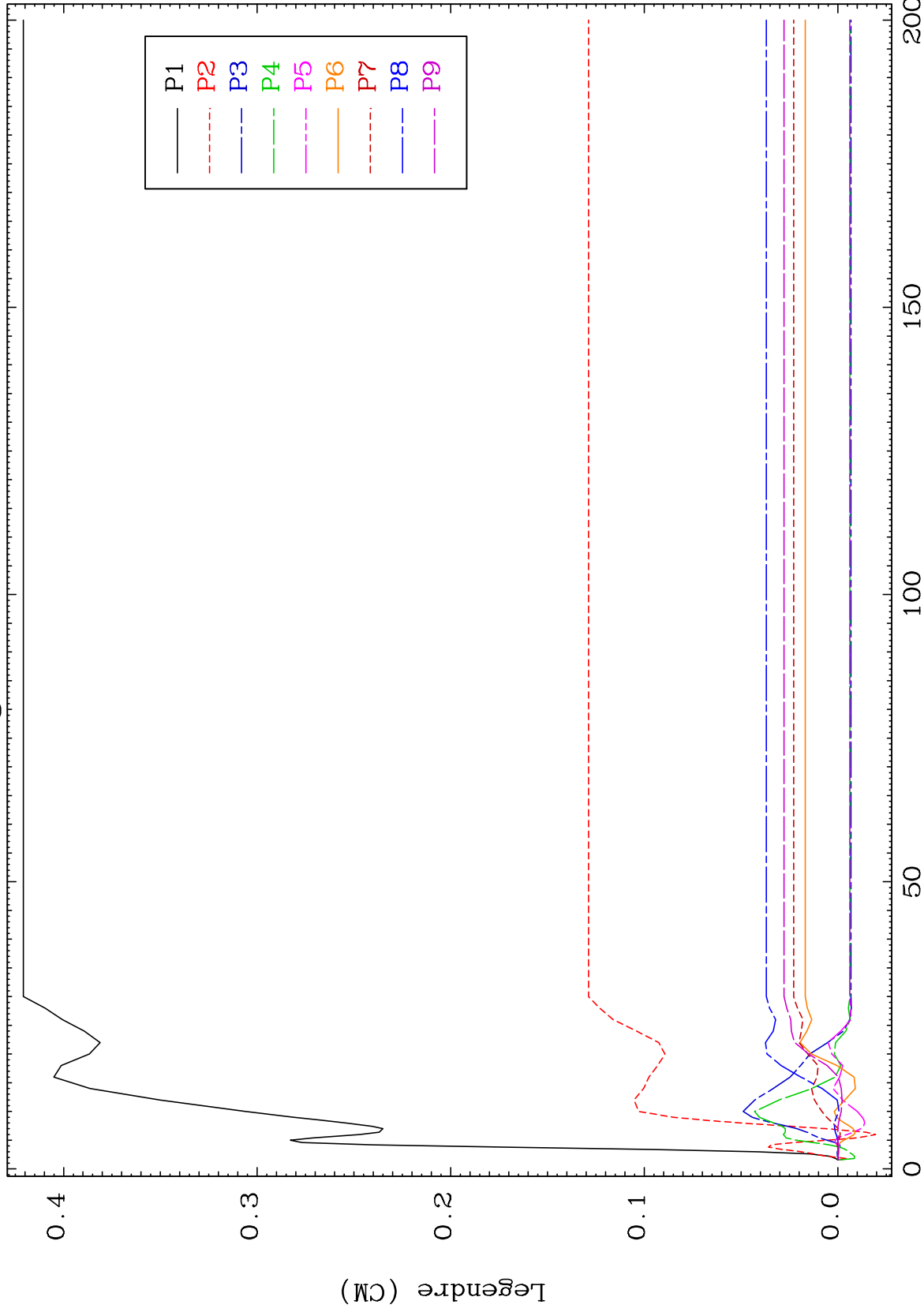
92

72-Hf-176

MAT 7231

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

72-Hf-176



93

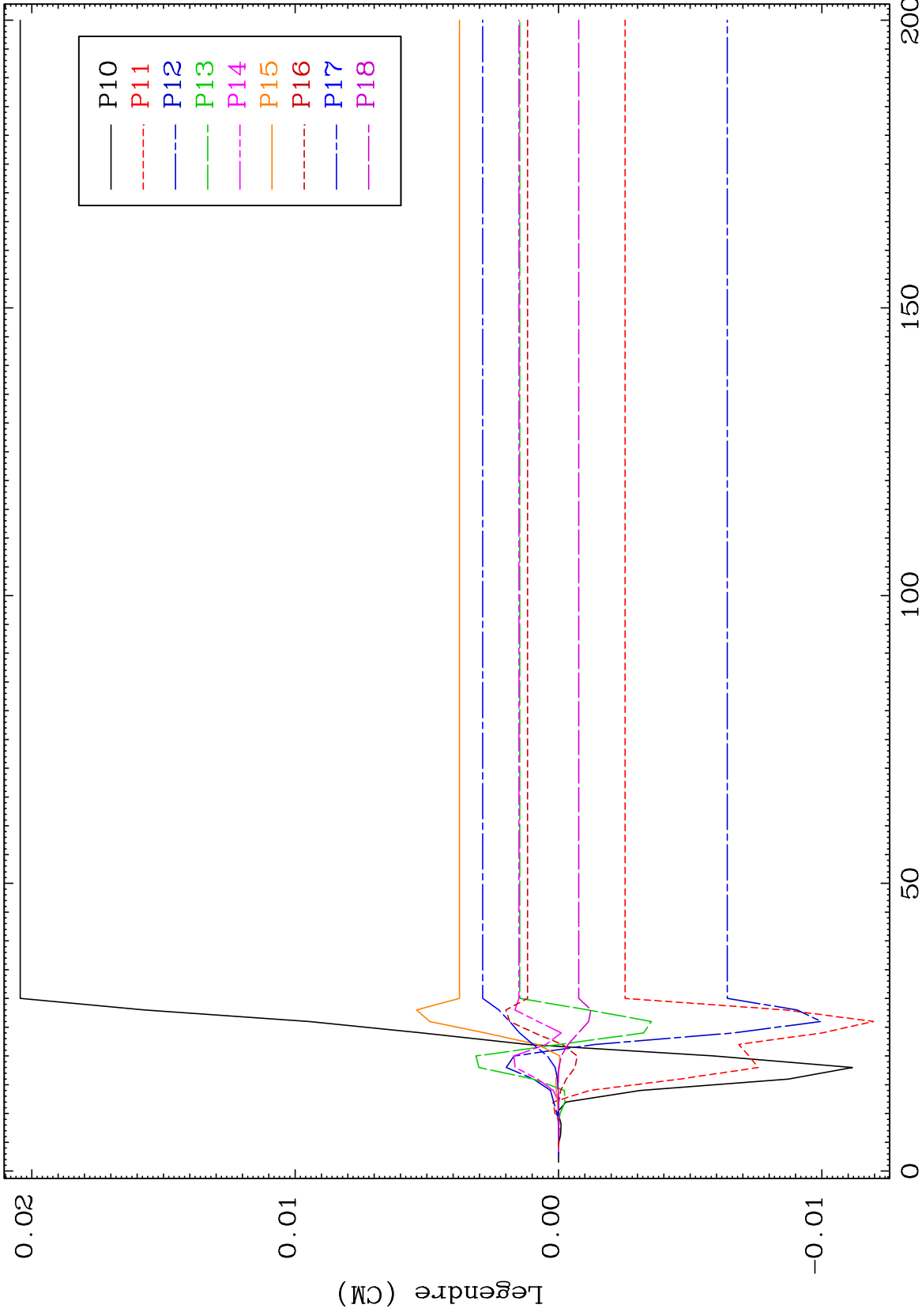
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



94

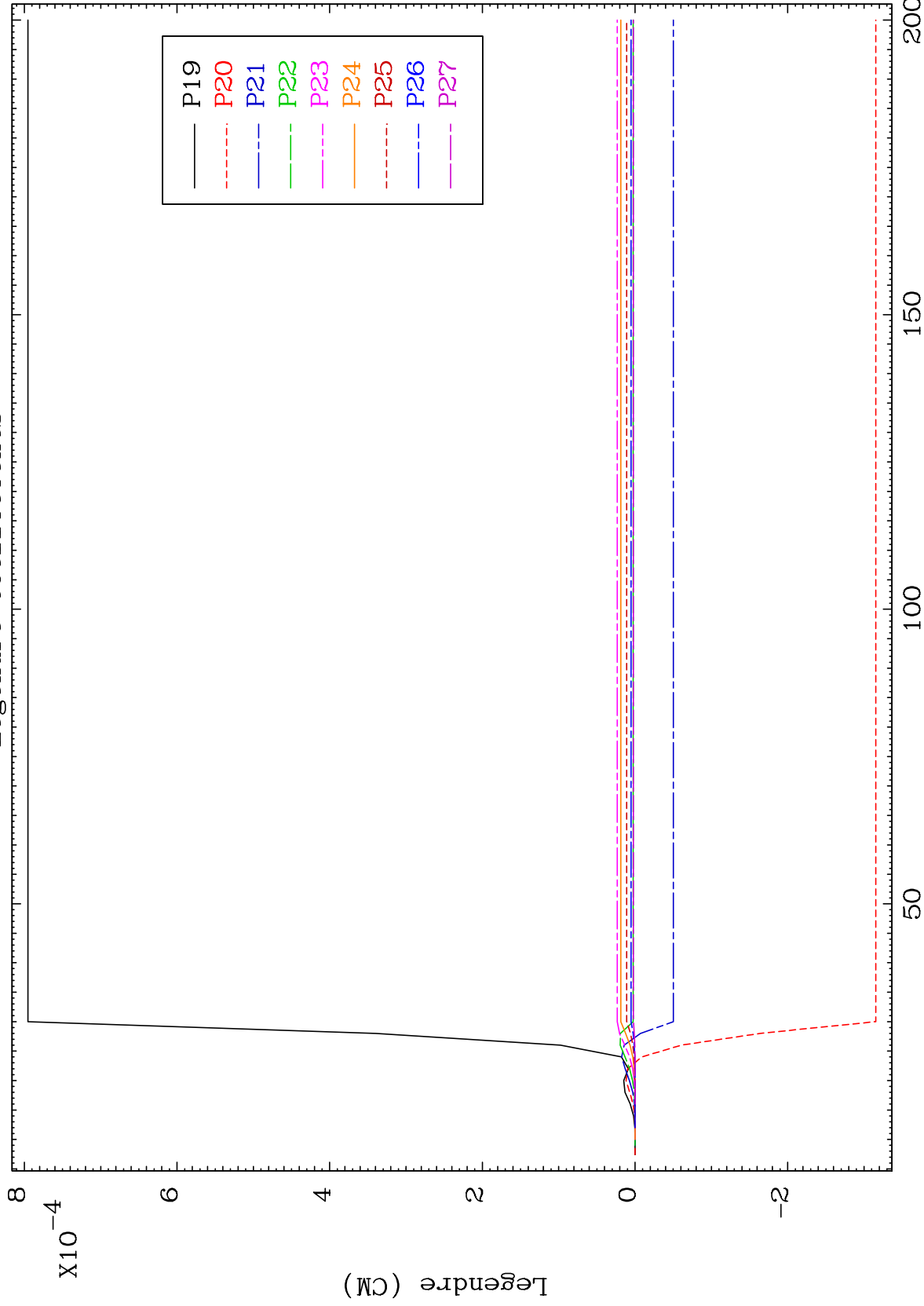
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



95

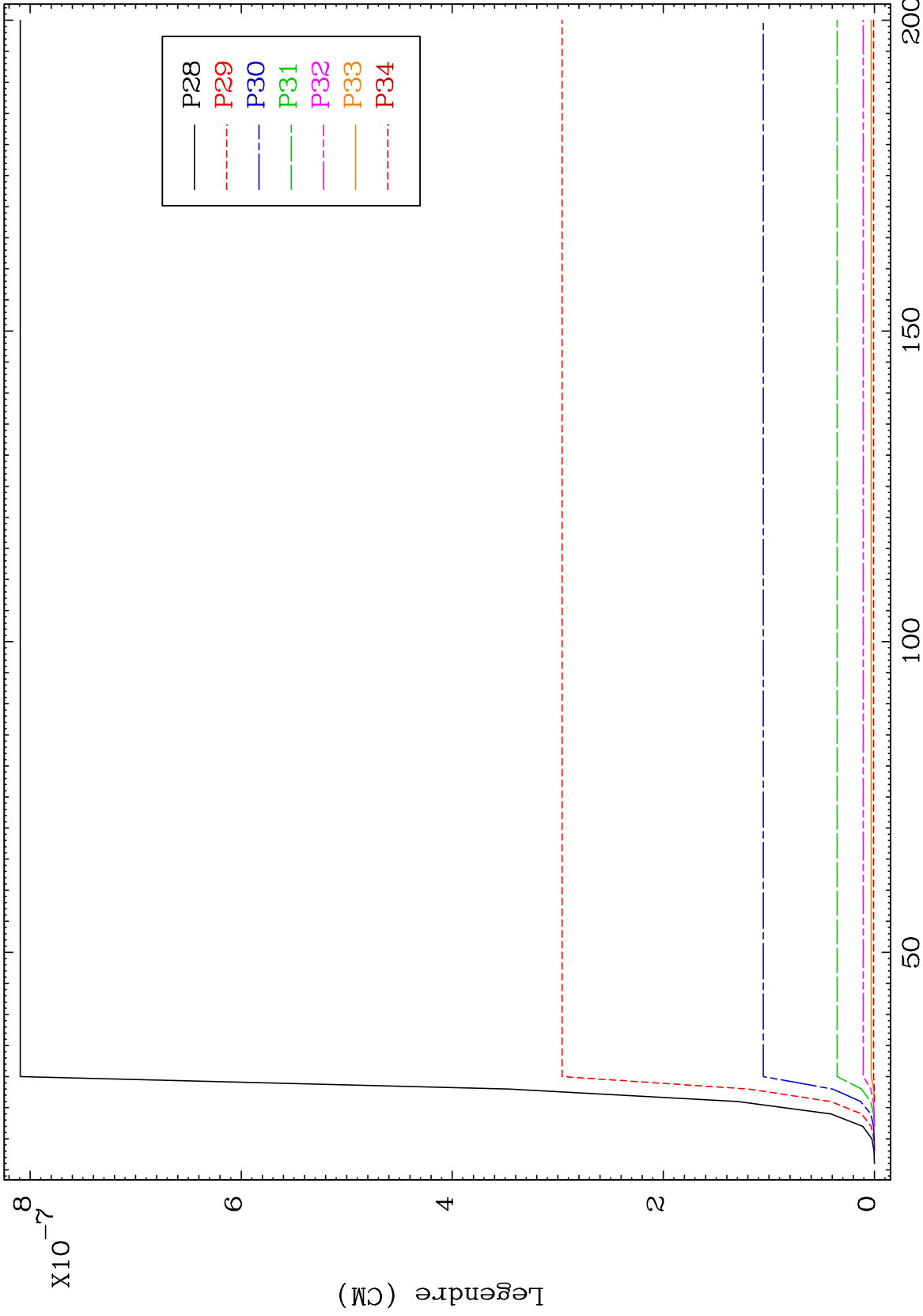
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



96

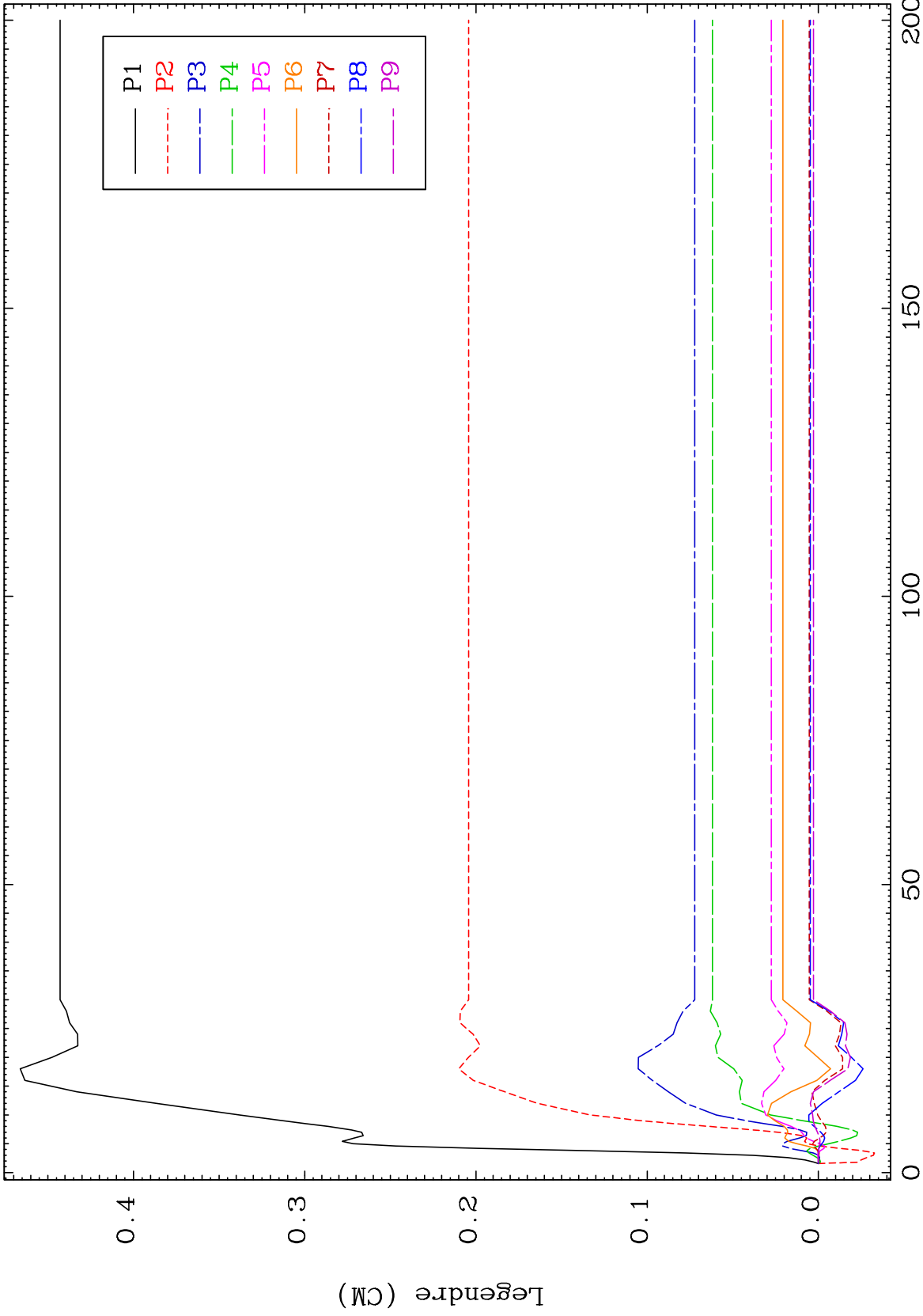
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



97

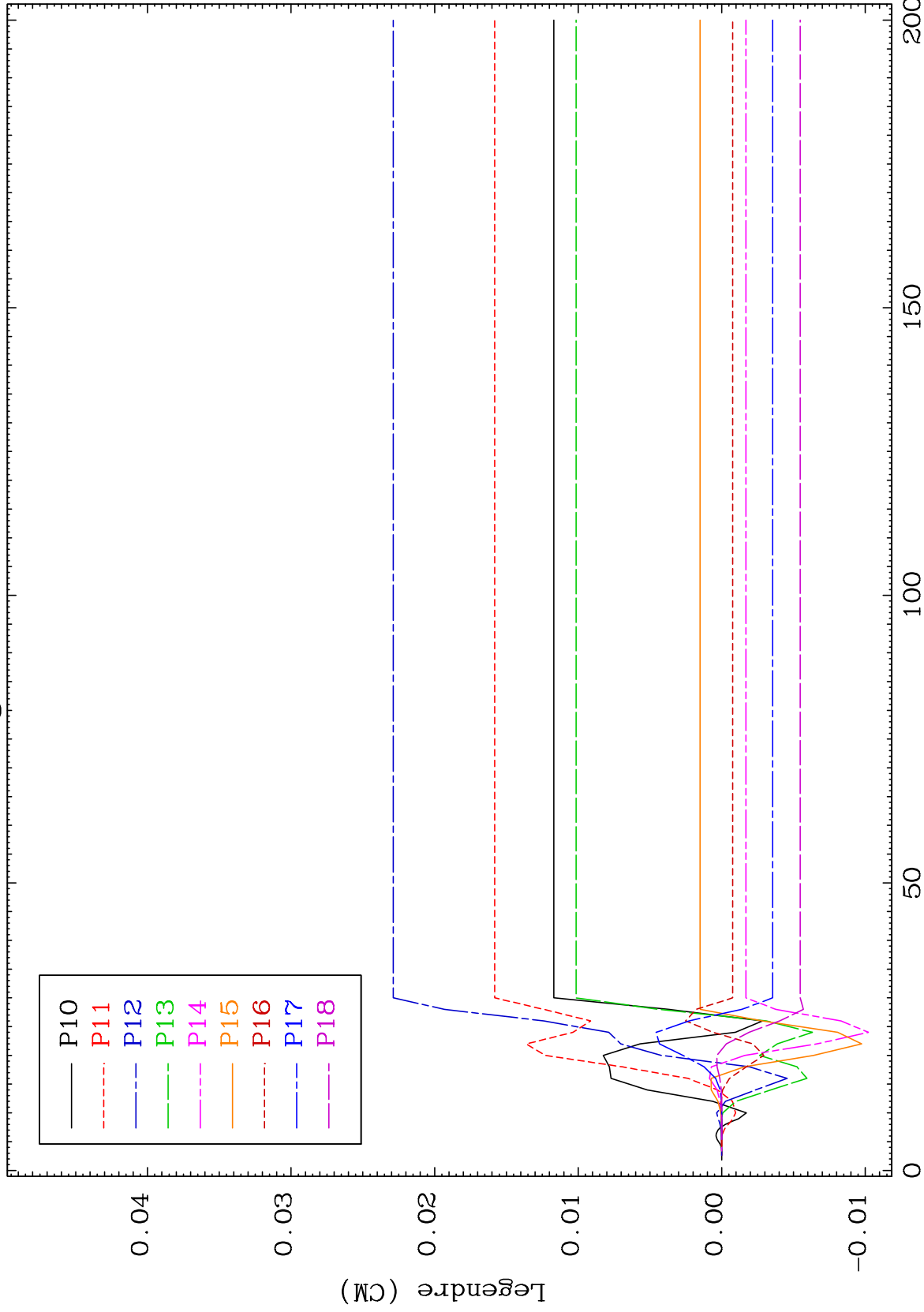
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



98

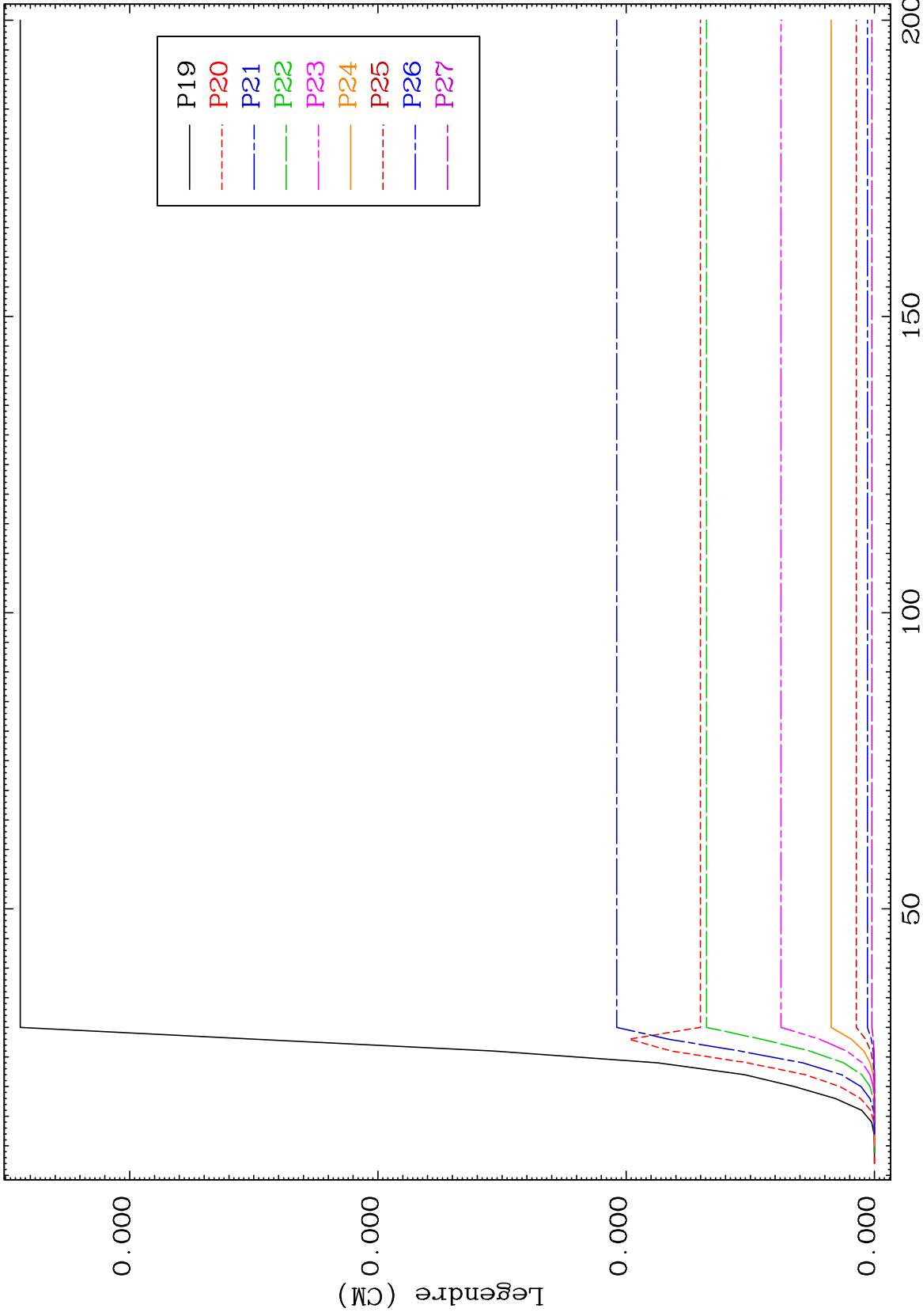
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



99

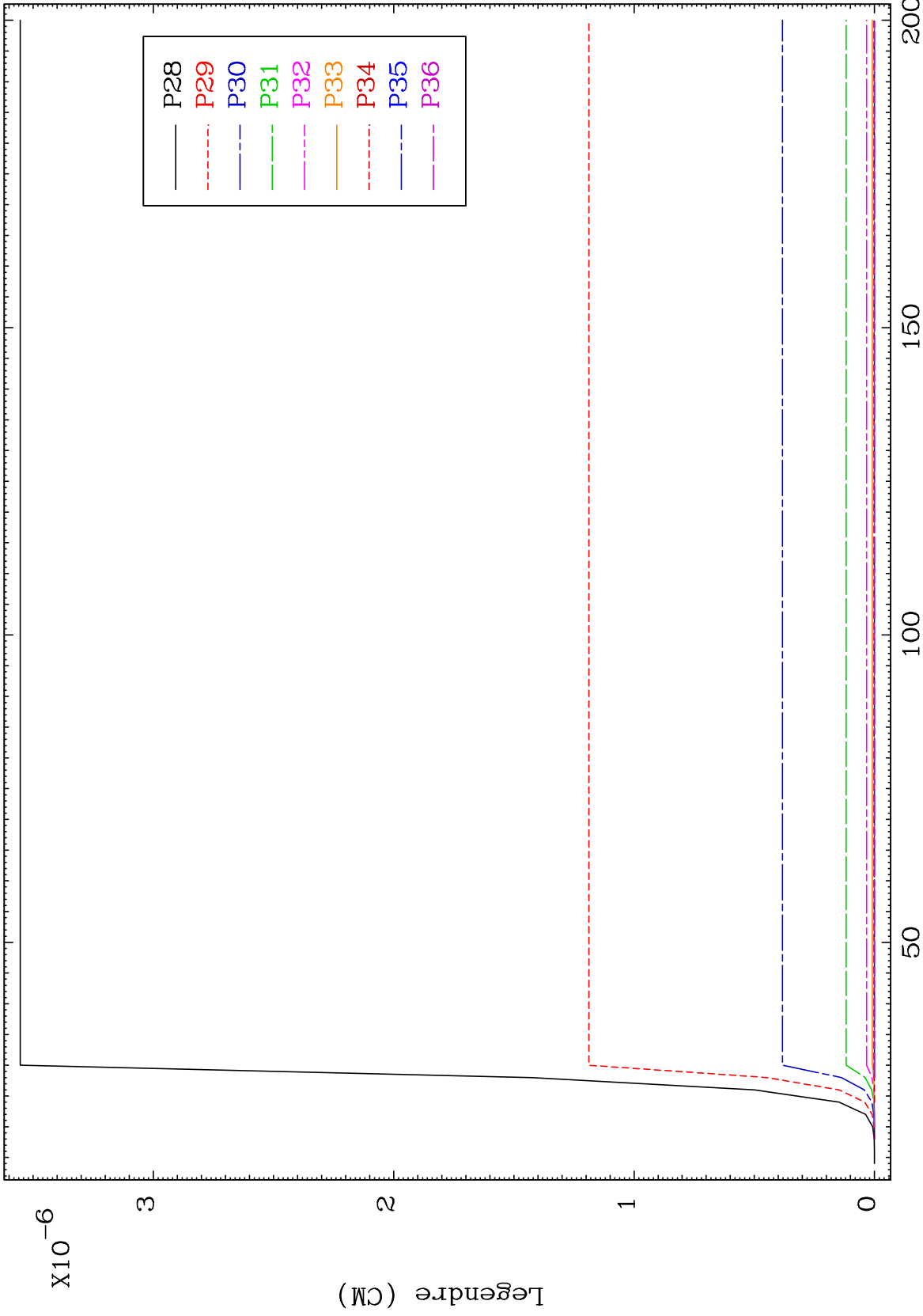
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



100

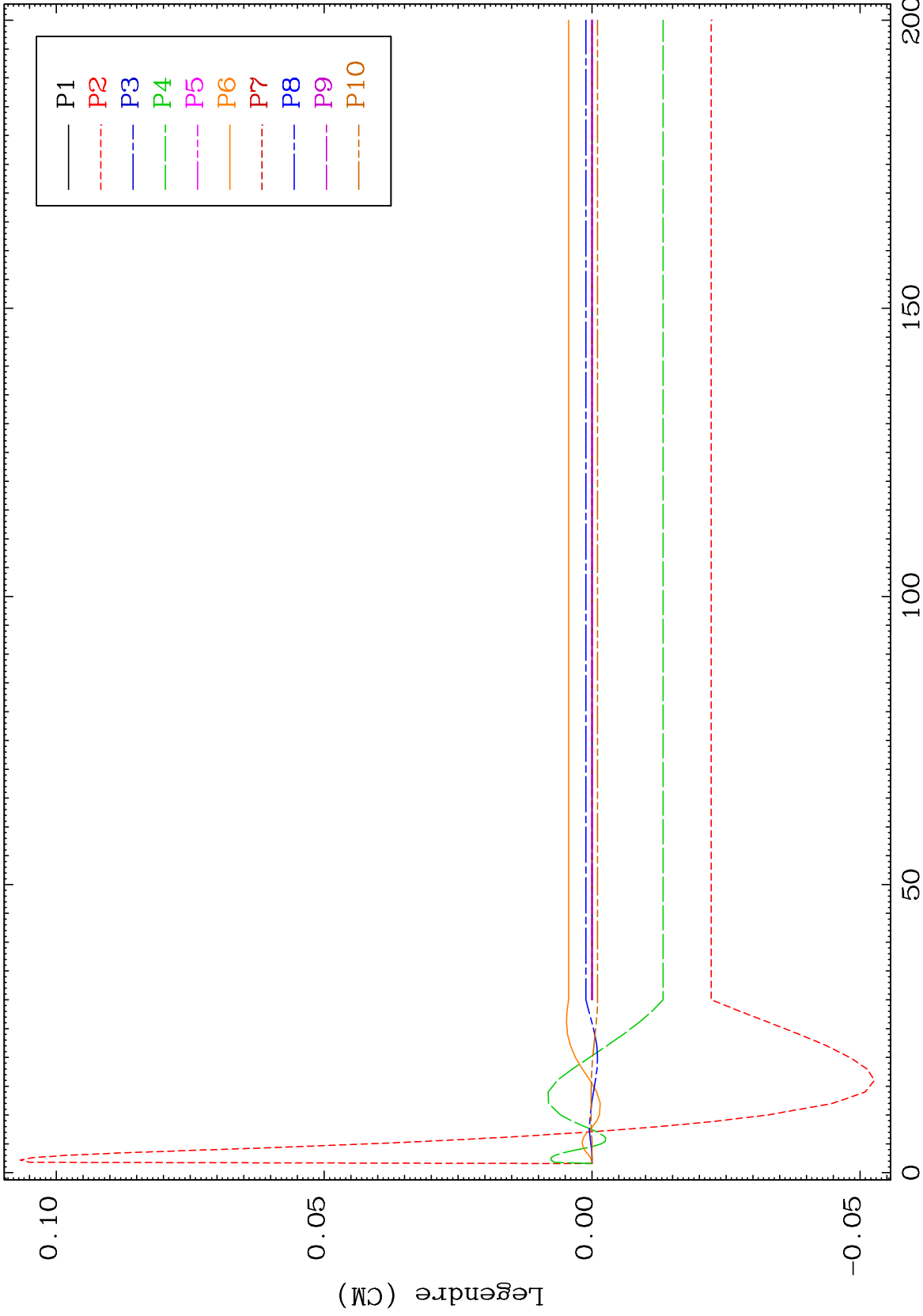
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



101

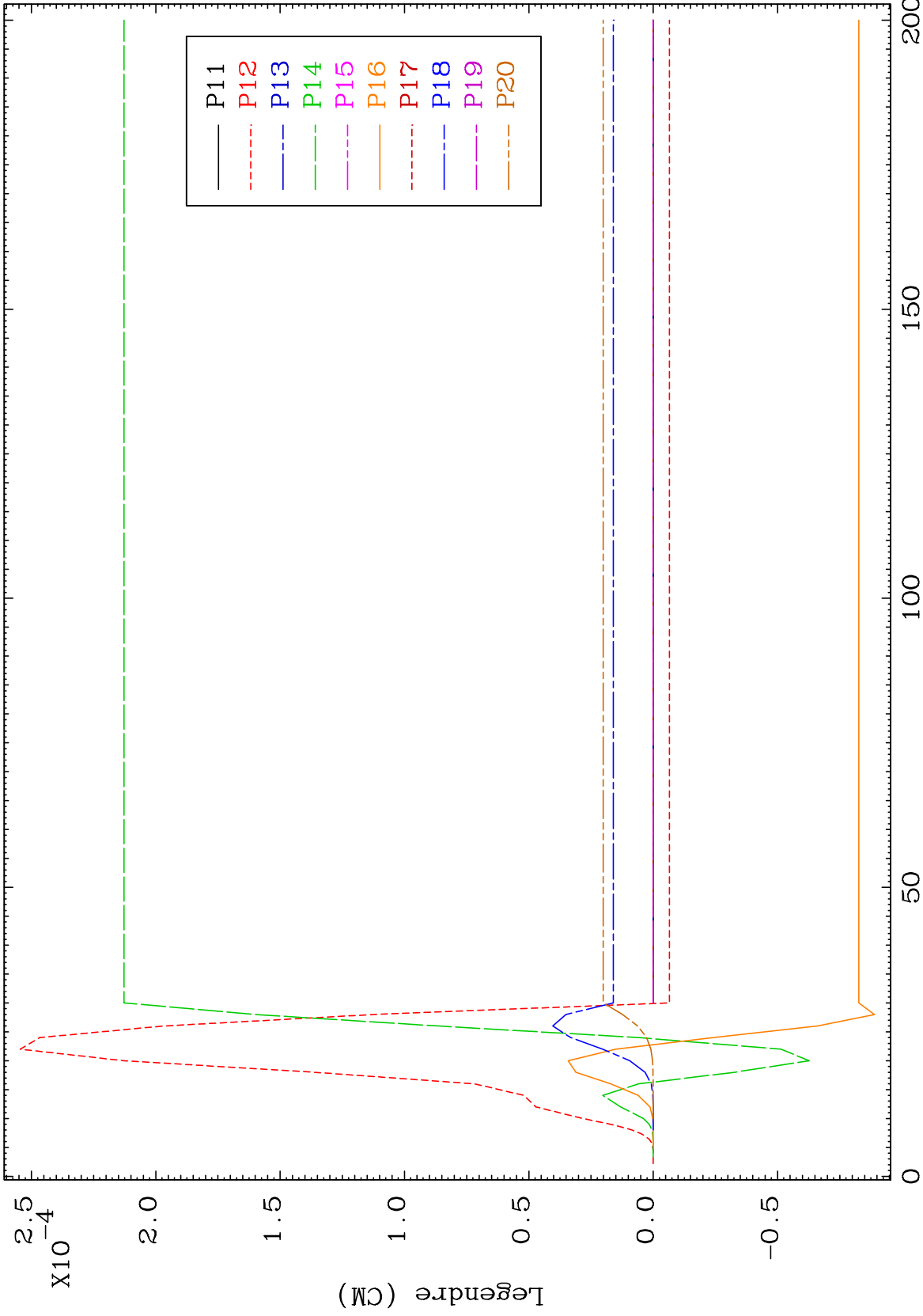
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



102

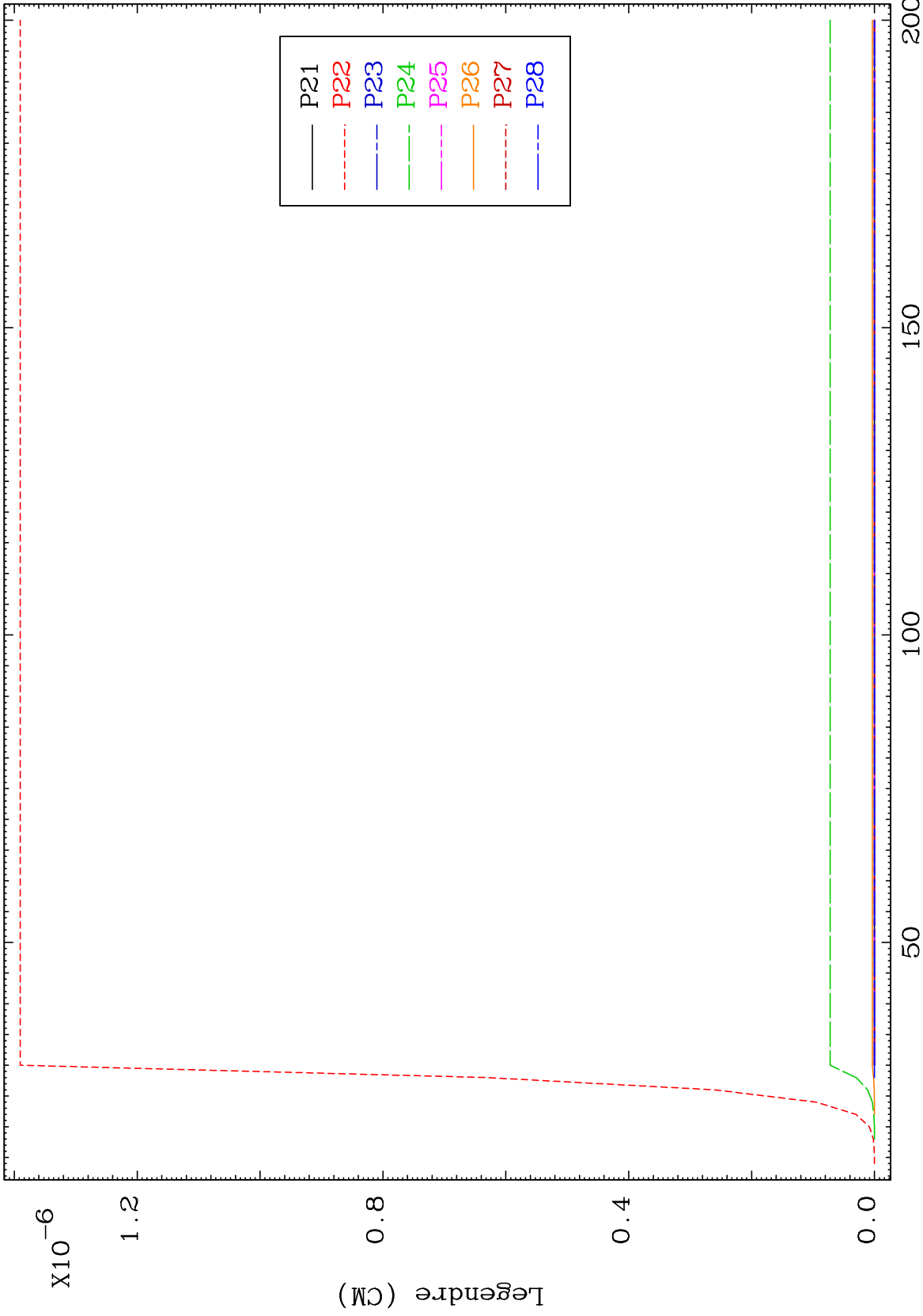
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



103

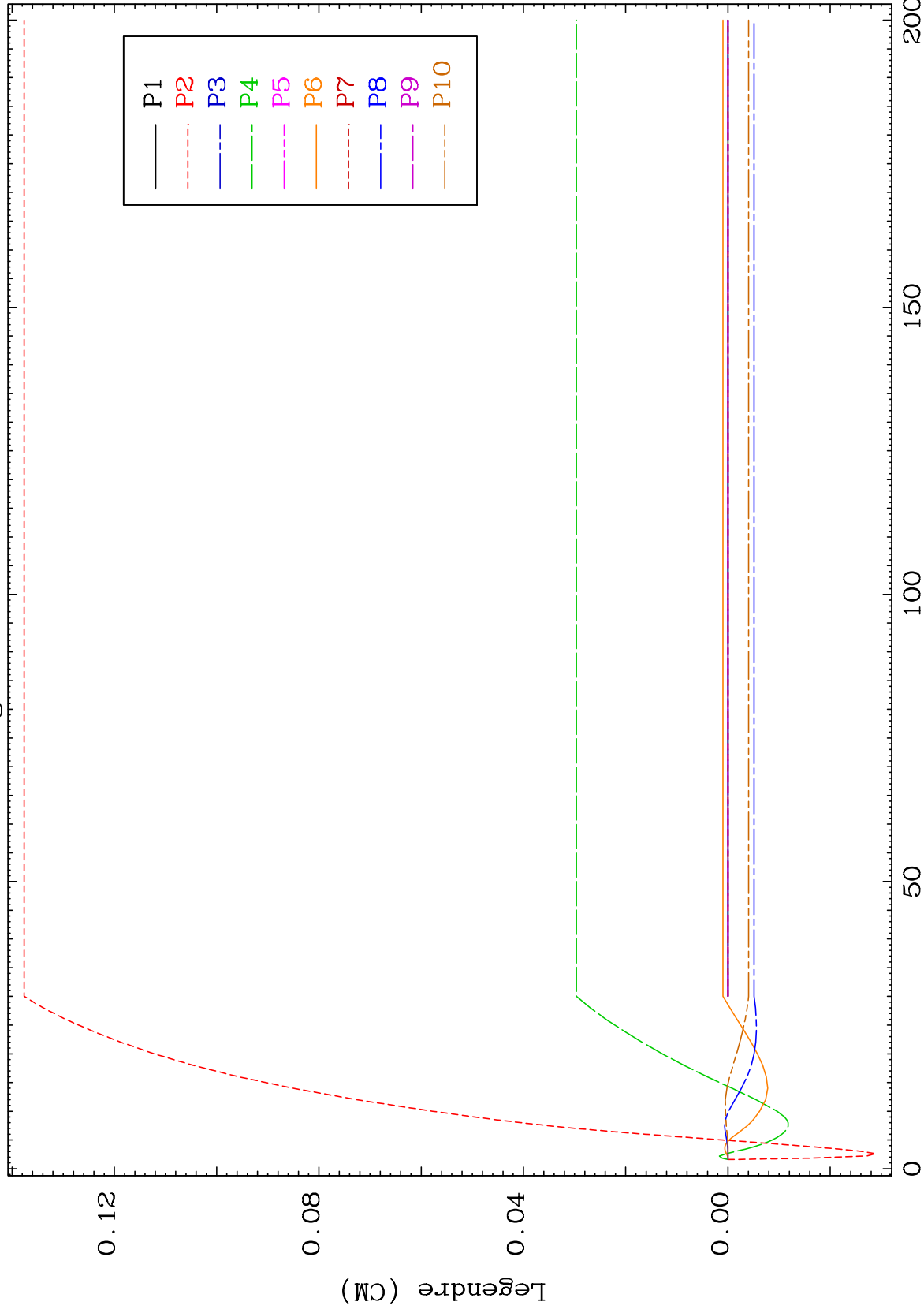
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



104

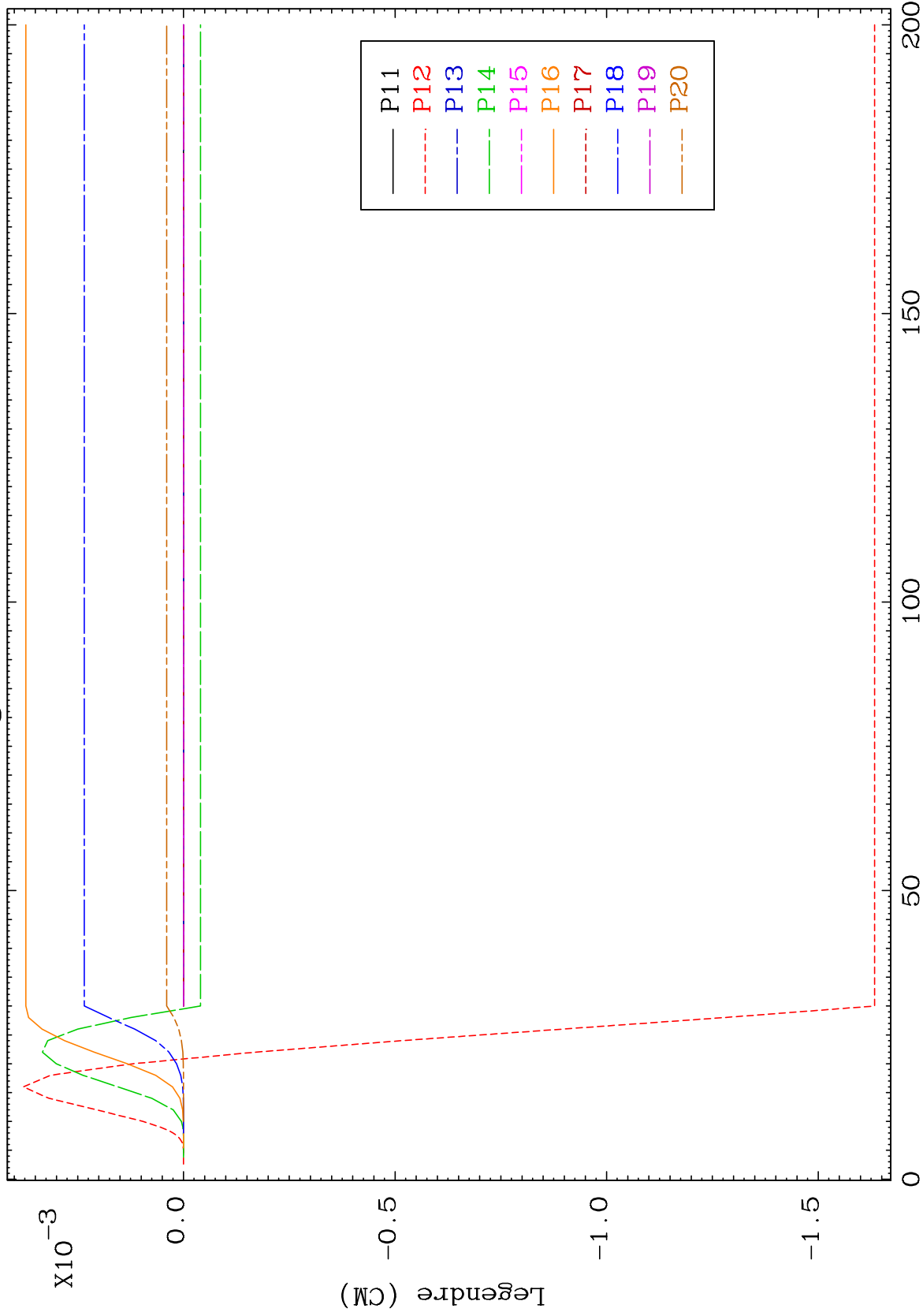
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



105

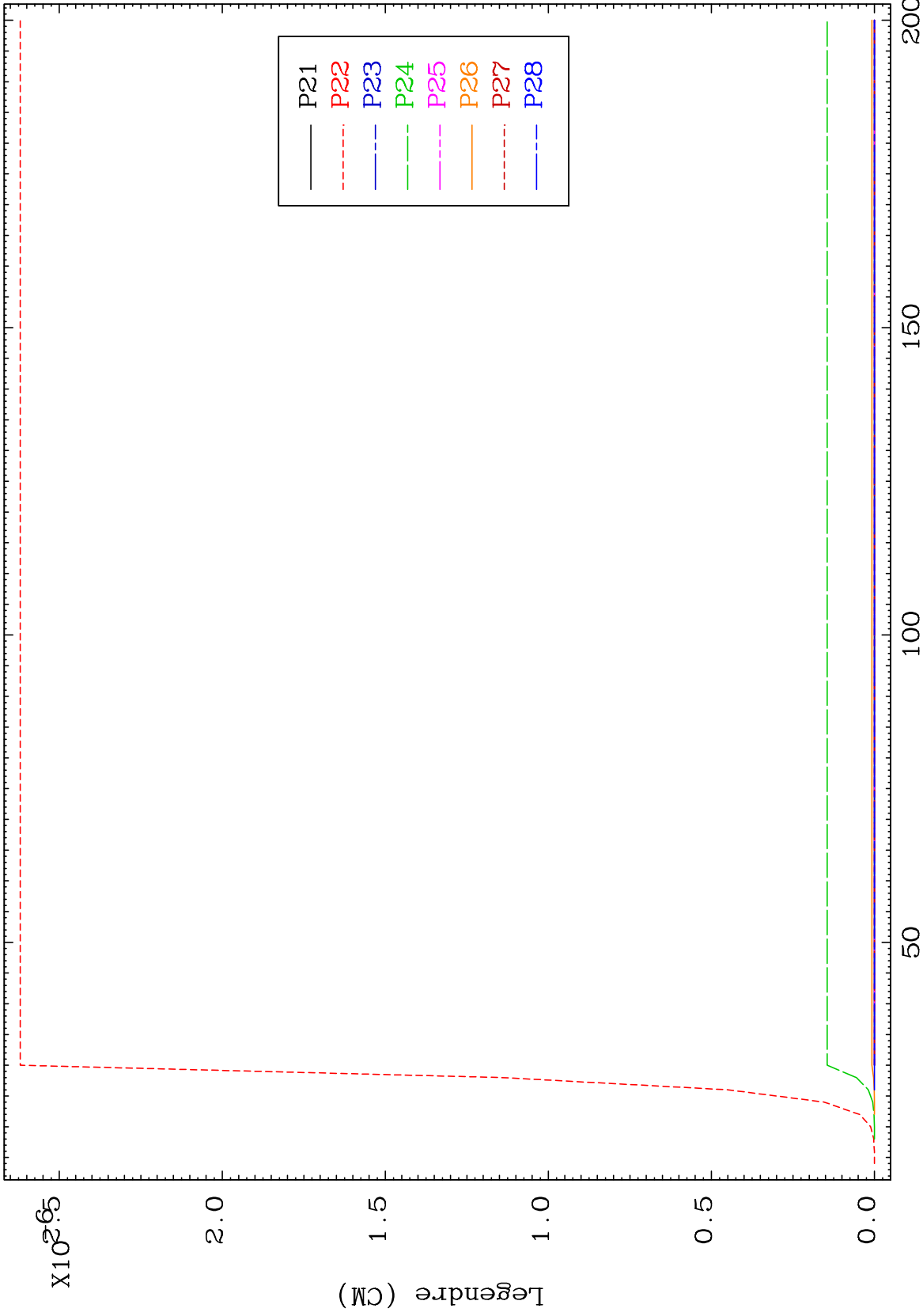
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



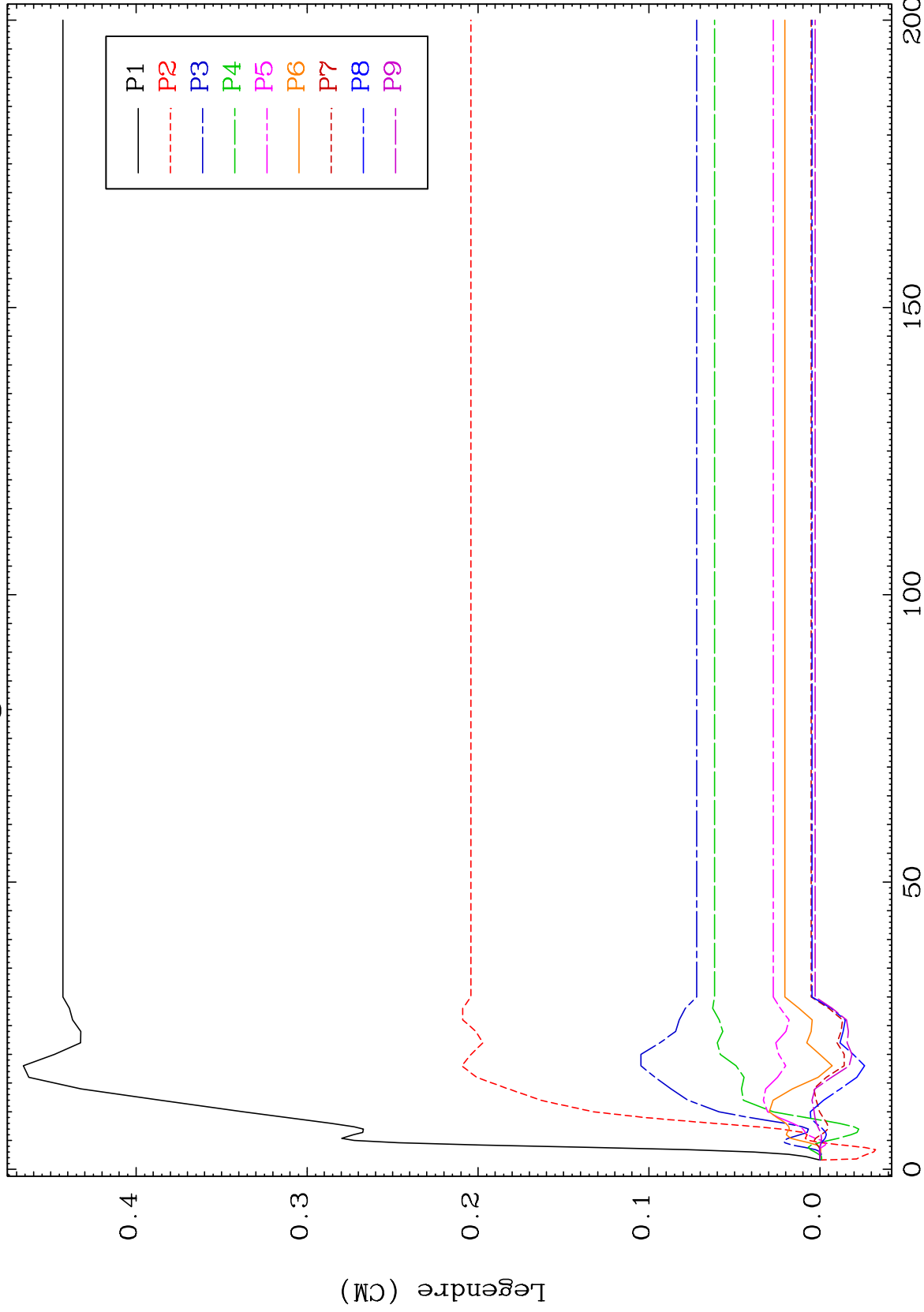
106

72-Hf-176

MAT 7231

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

72-Hf-176



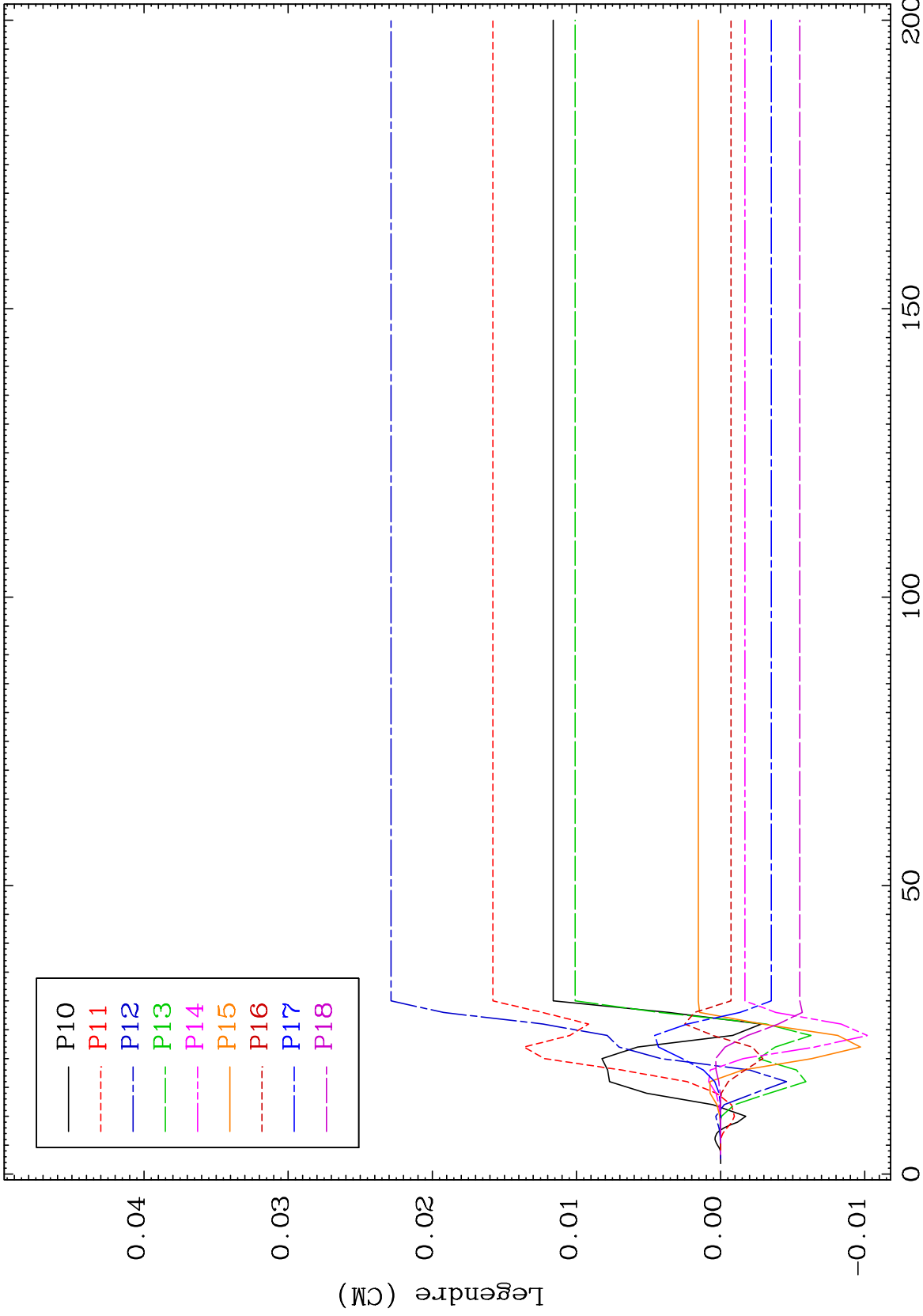
107

72-Hf-176

MAT 7231

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

72-Hf-176



108

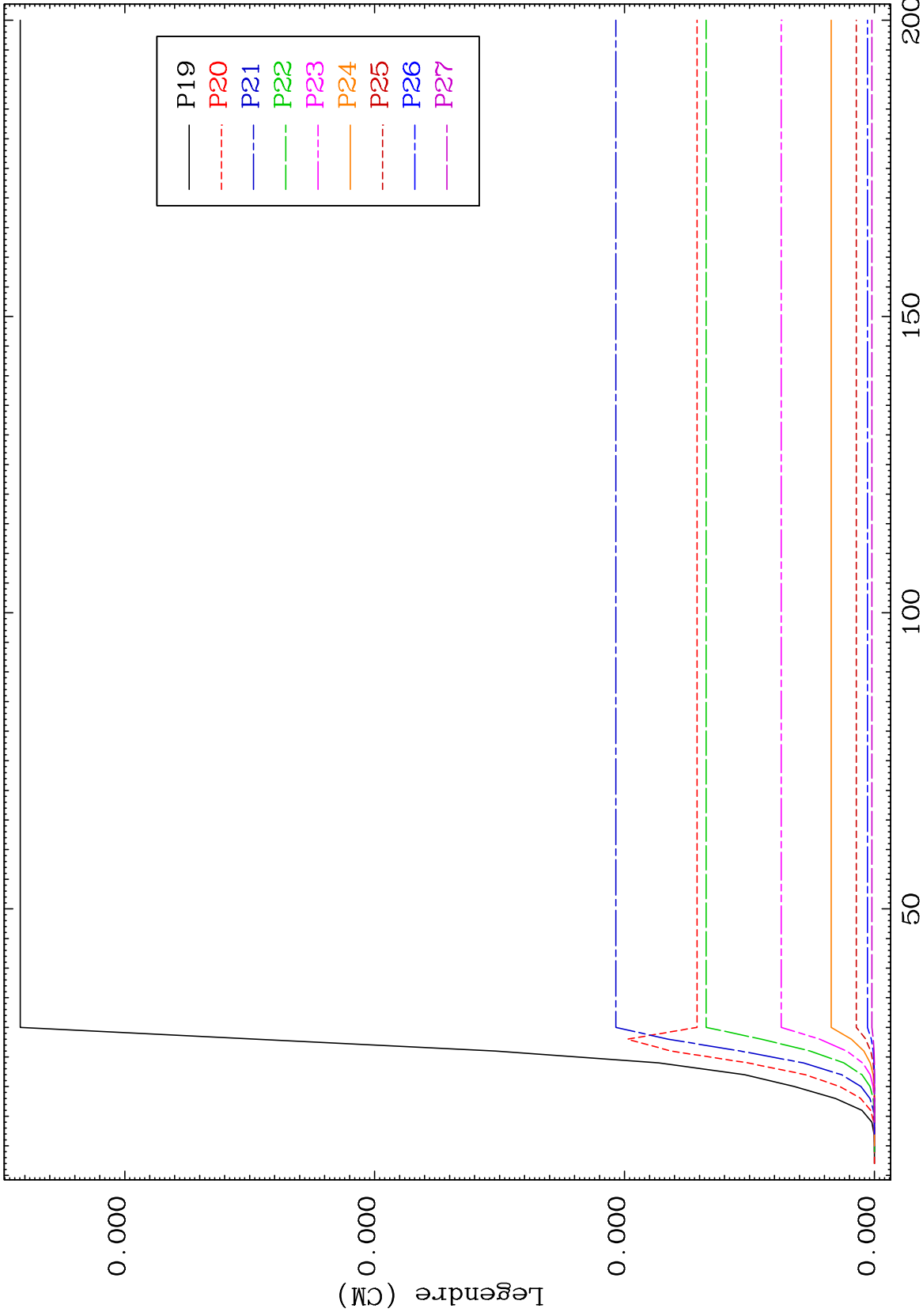
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



109

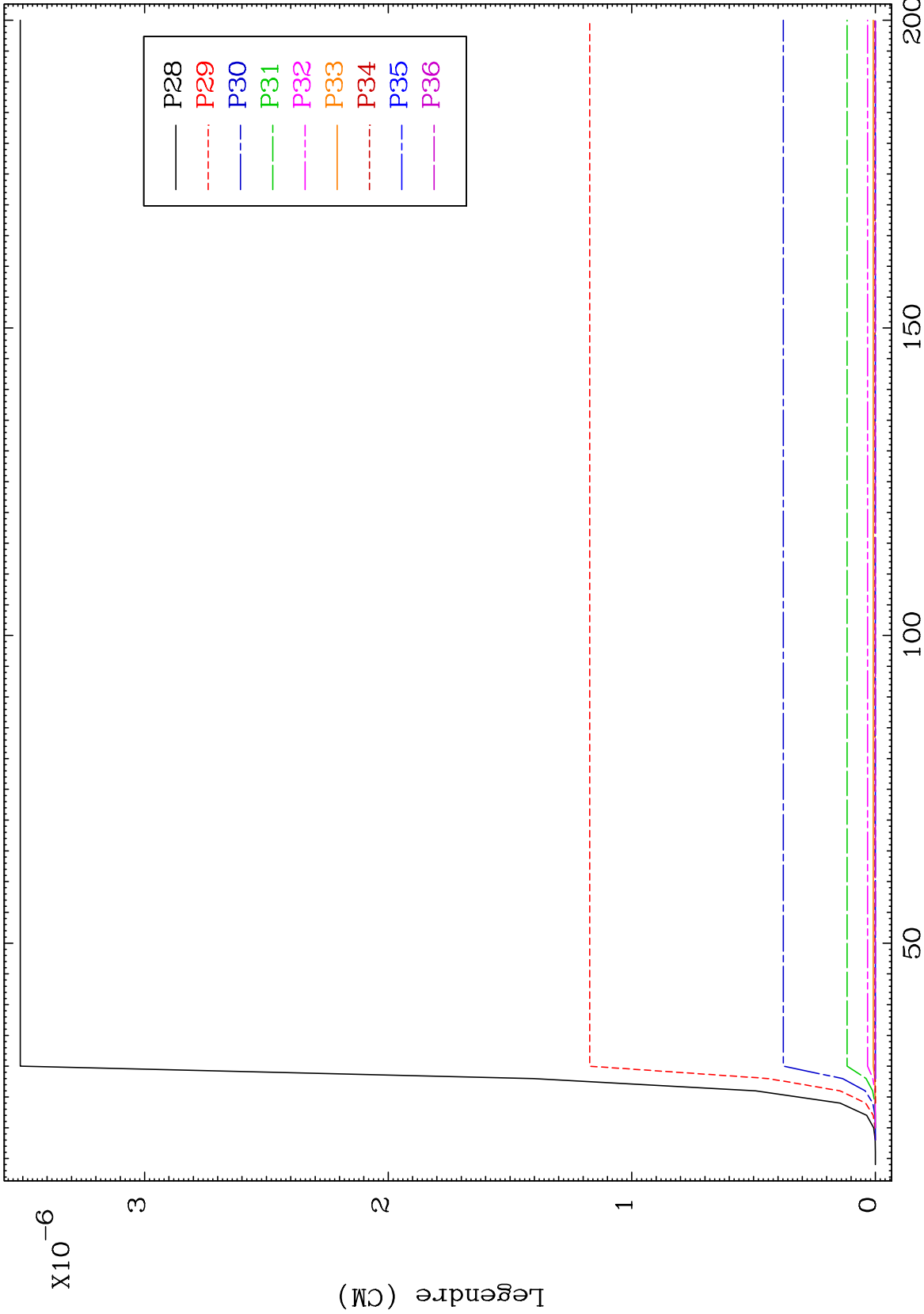
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



110

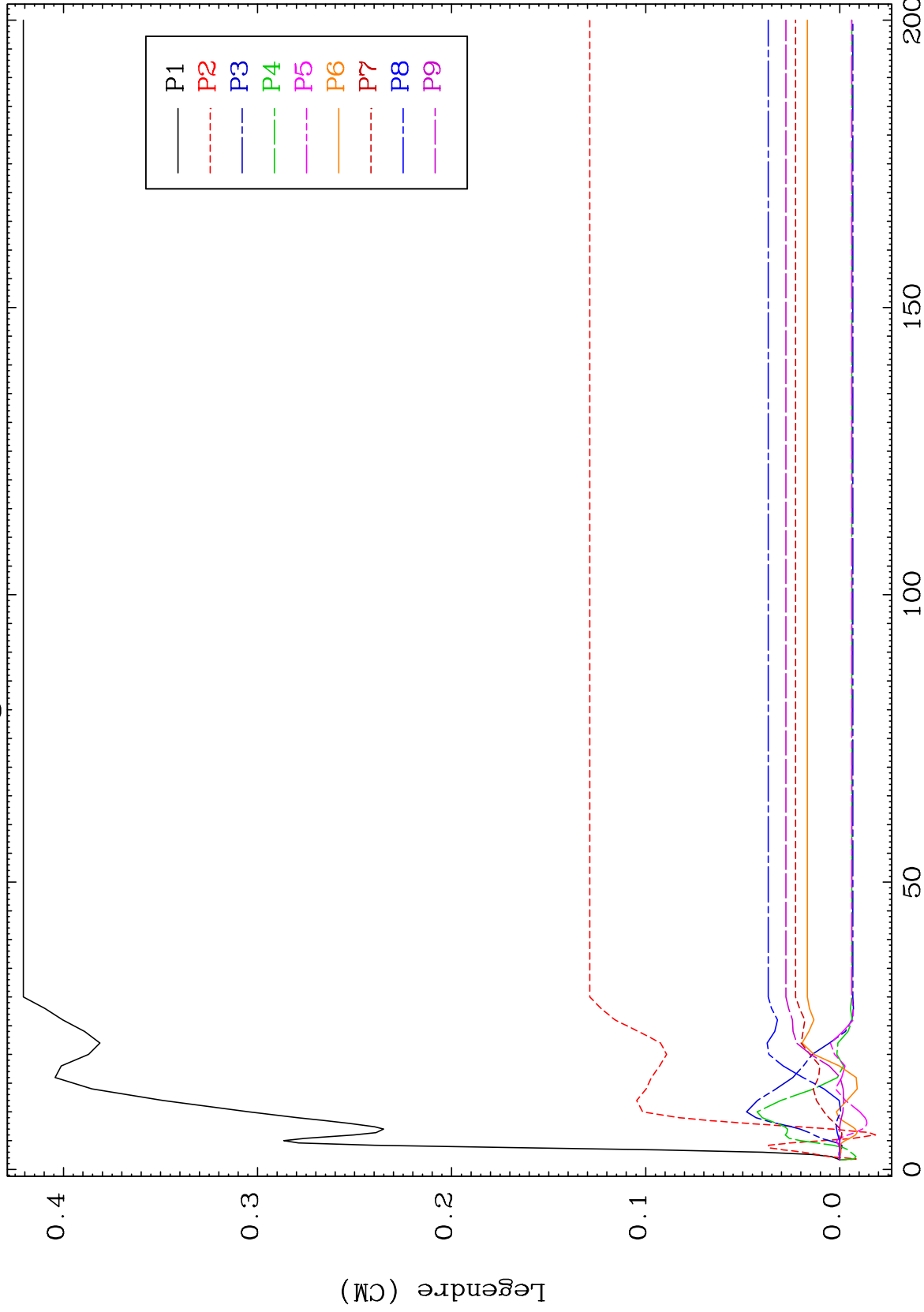
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



111

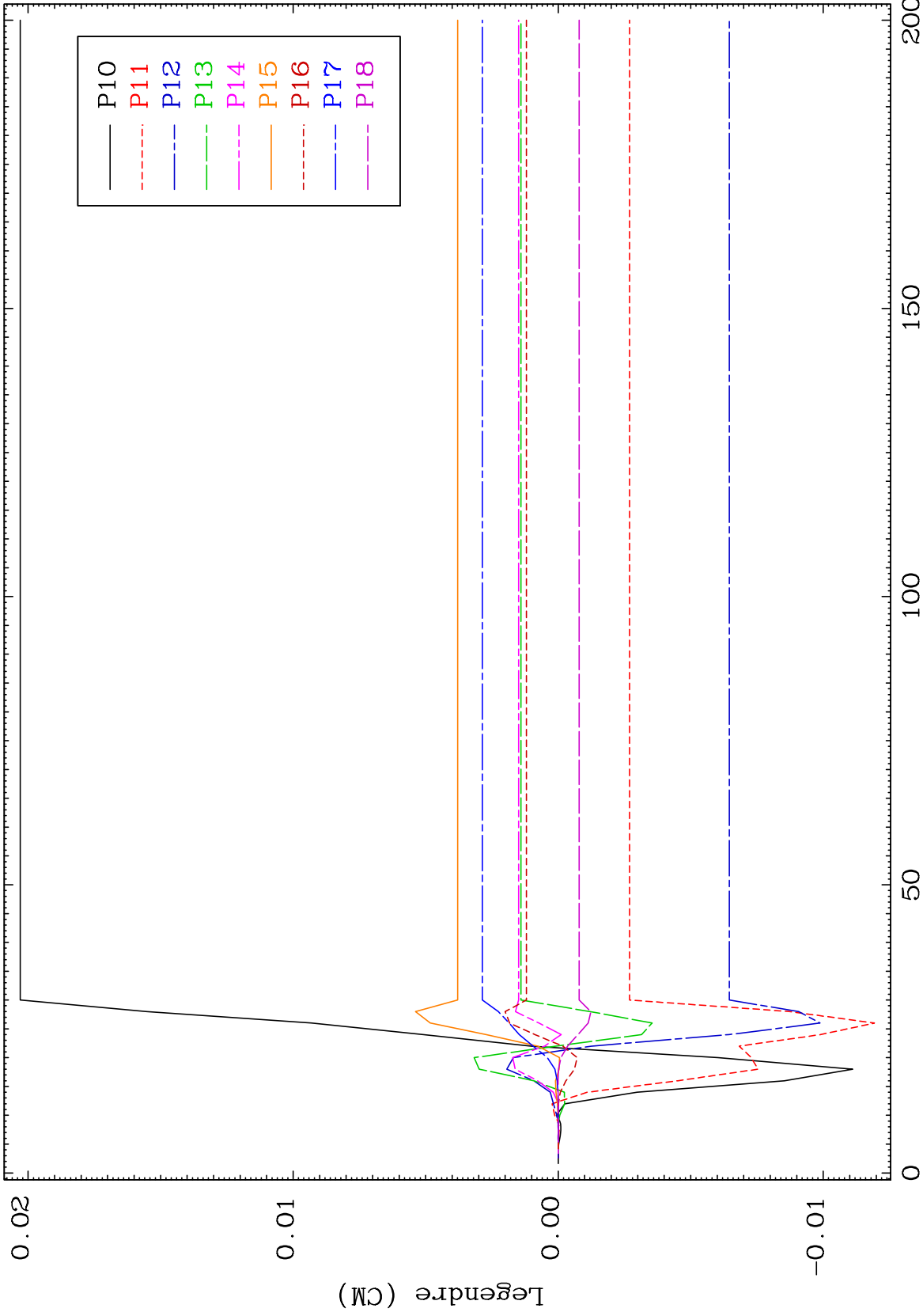
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



112

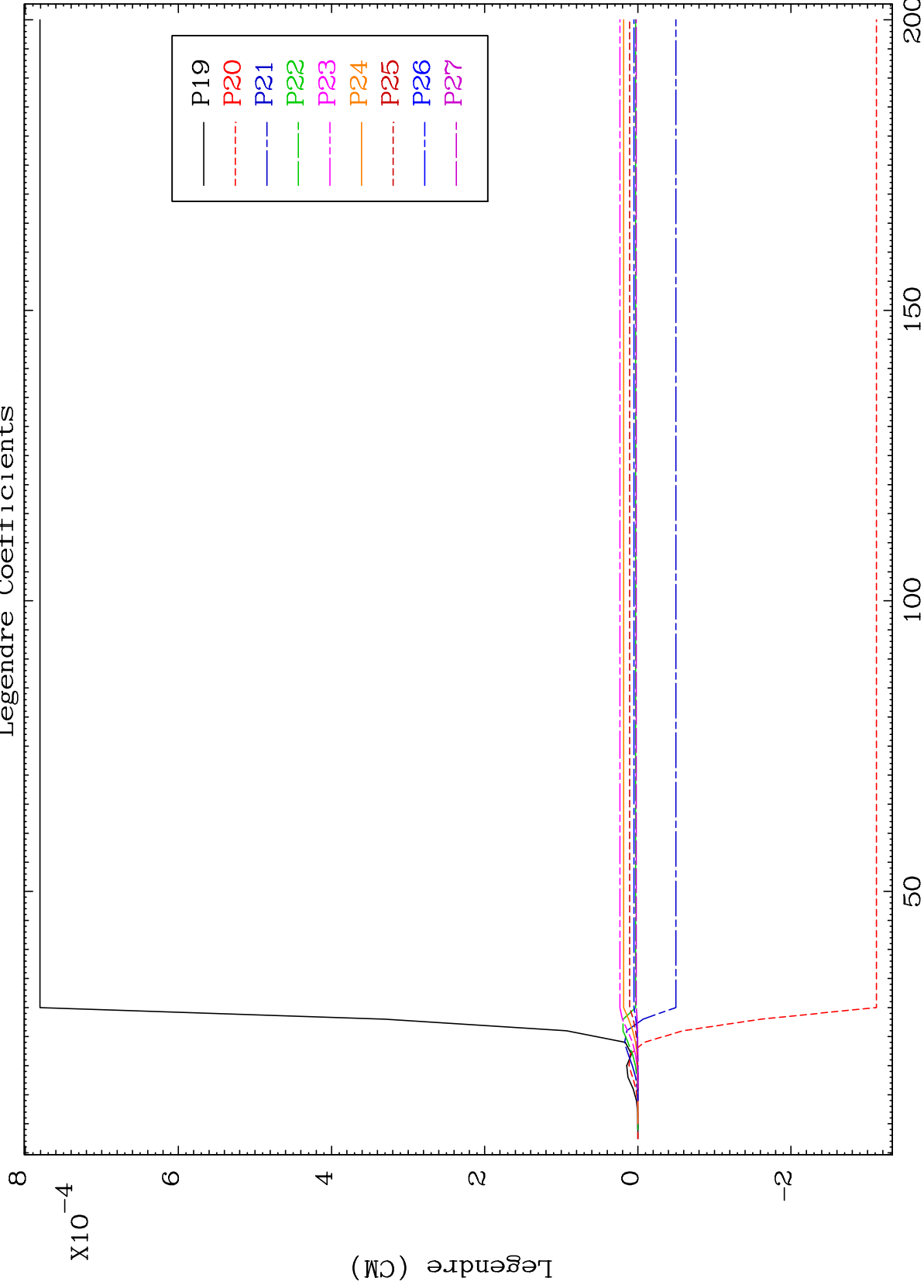
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



113

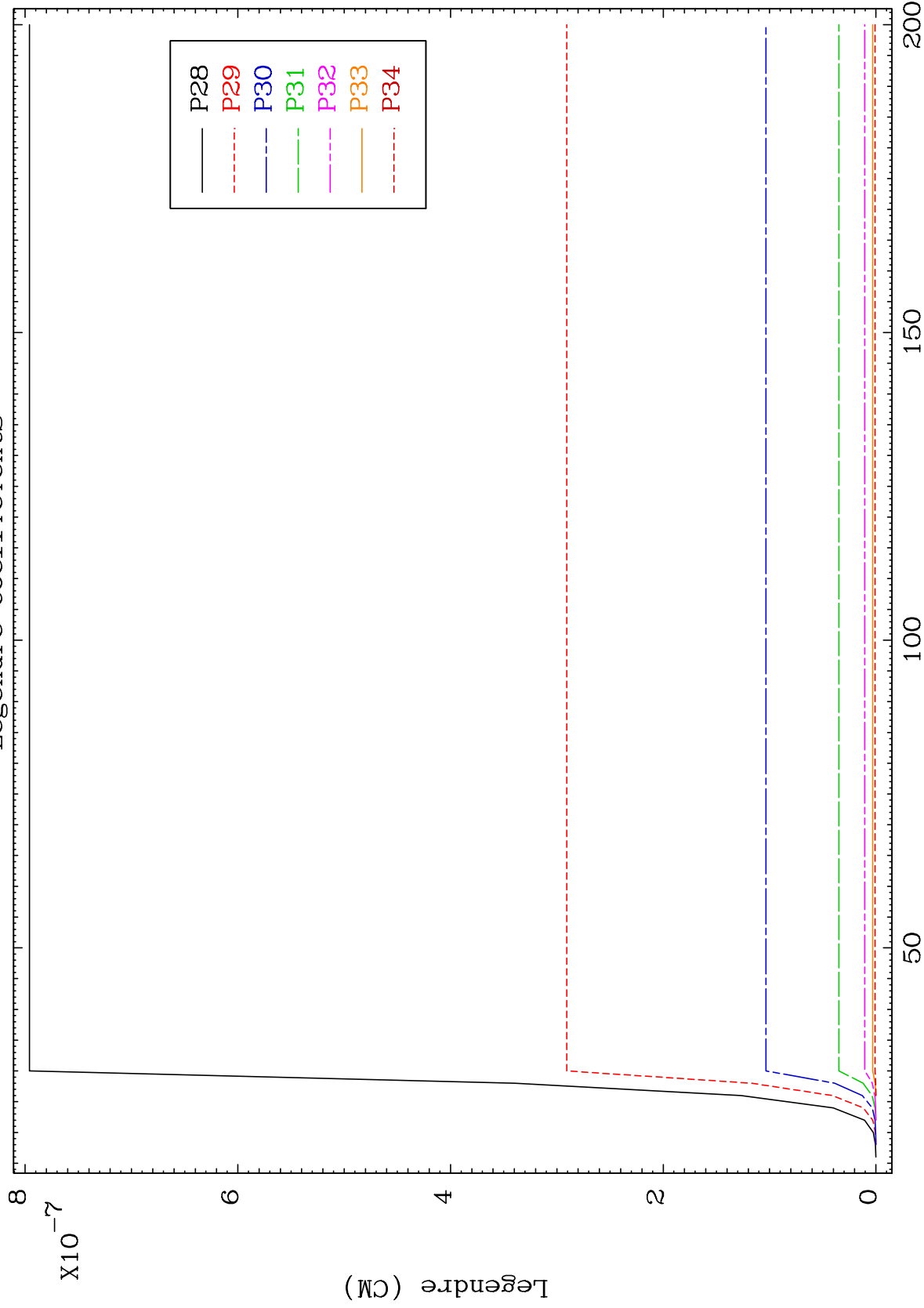
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



114

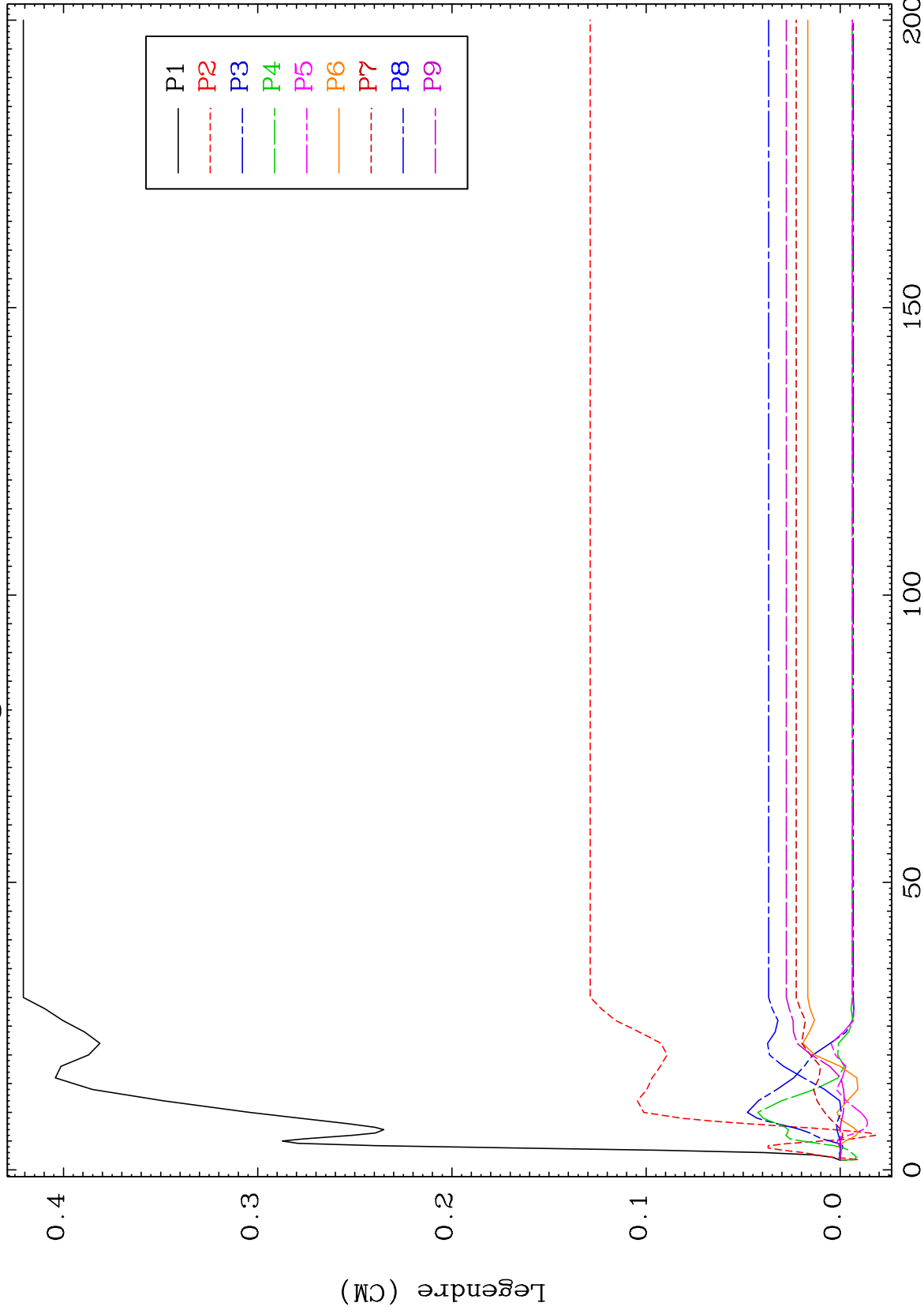
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



115

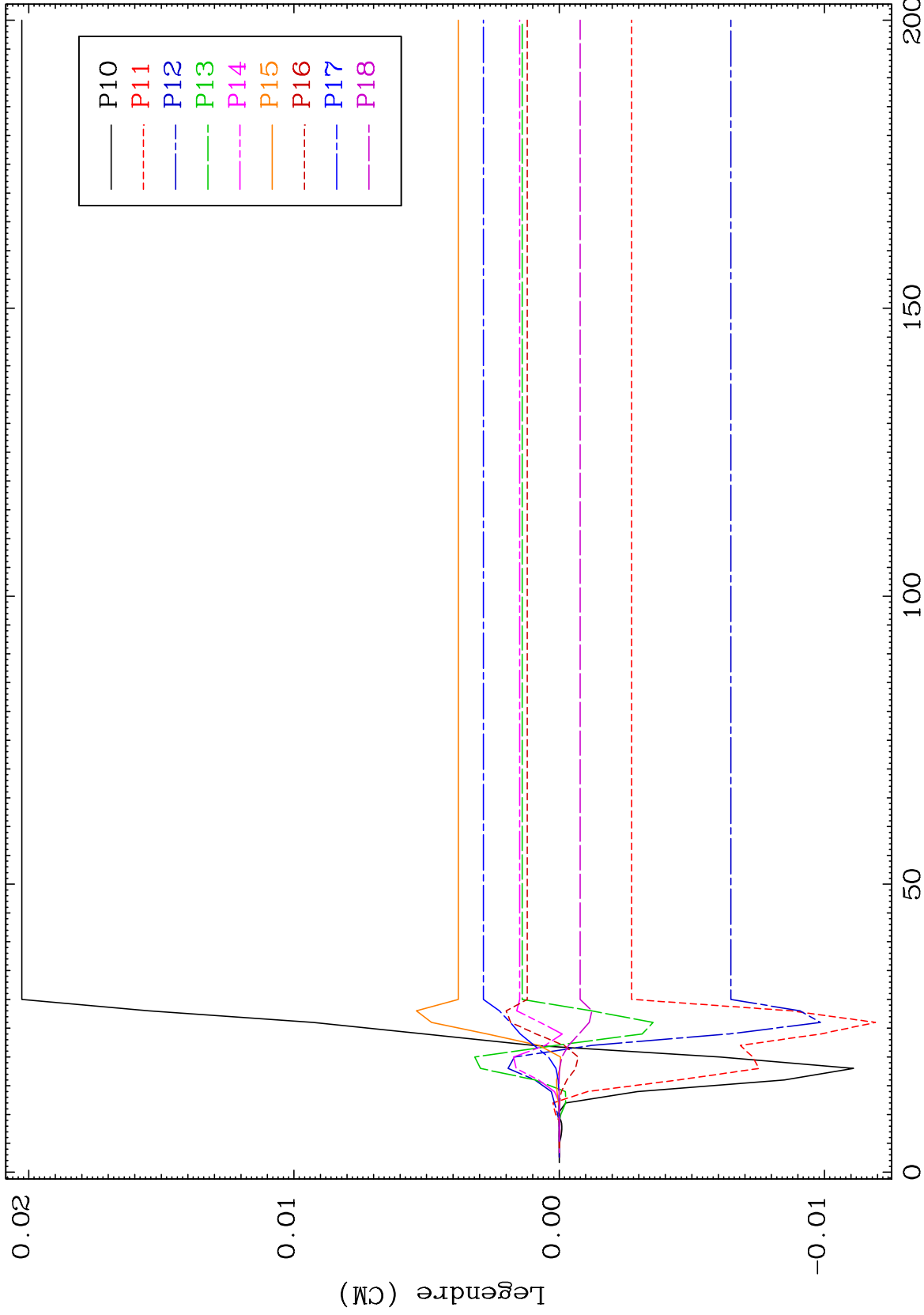
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



116

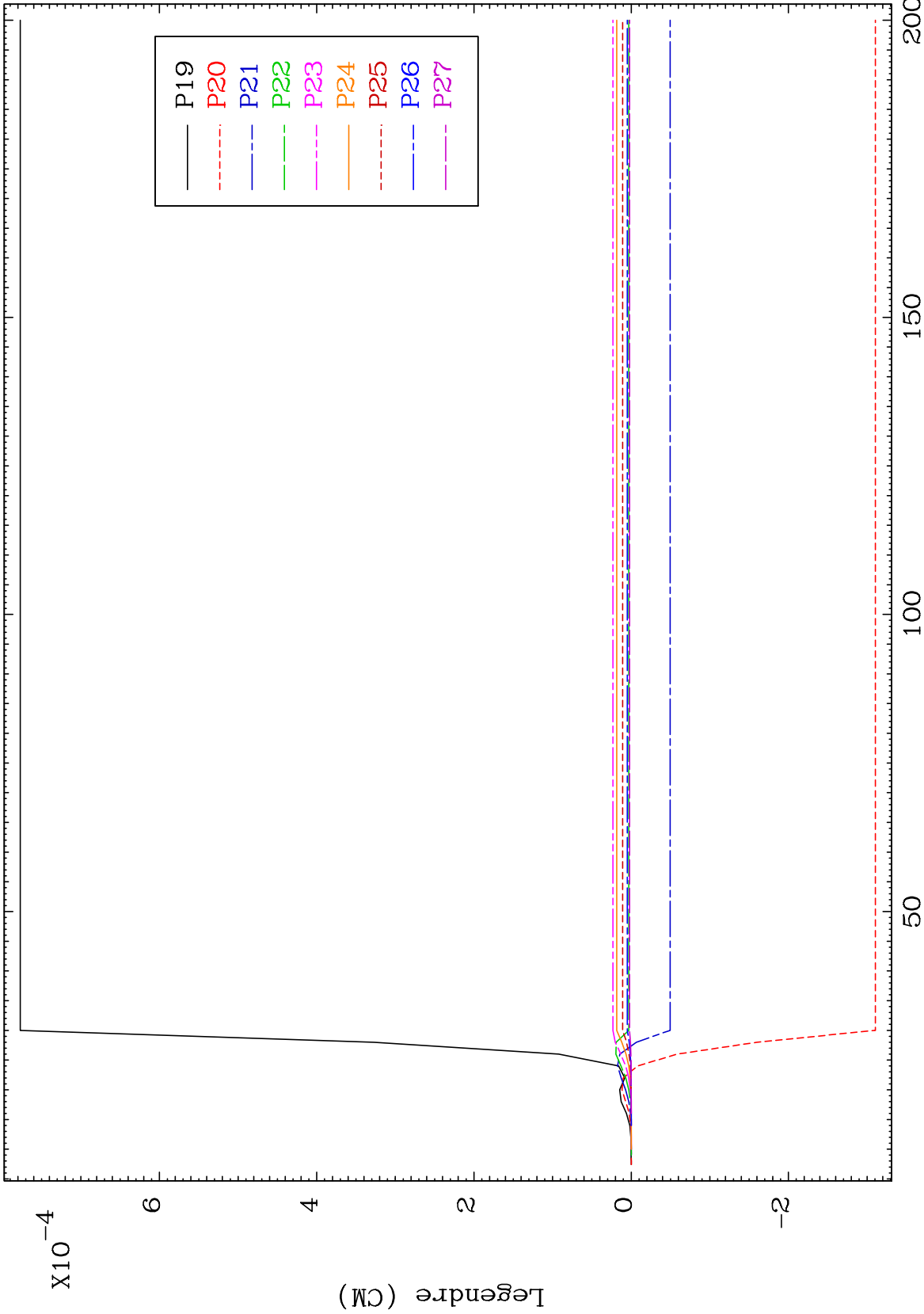
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



117

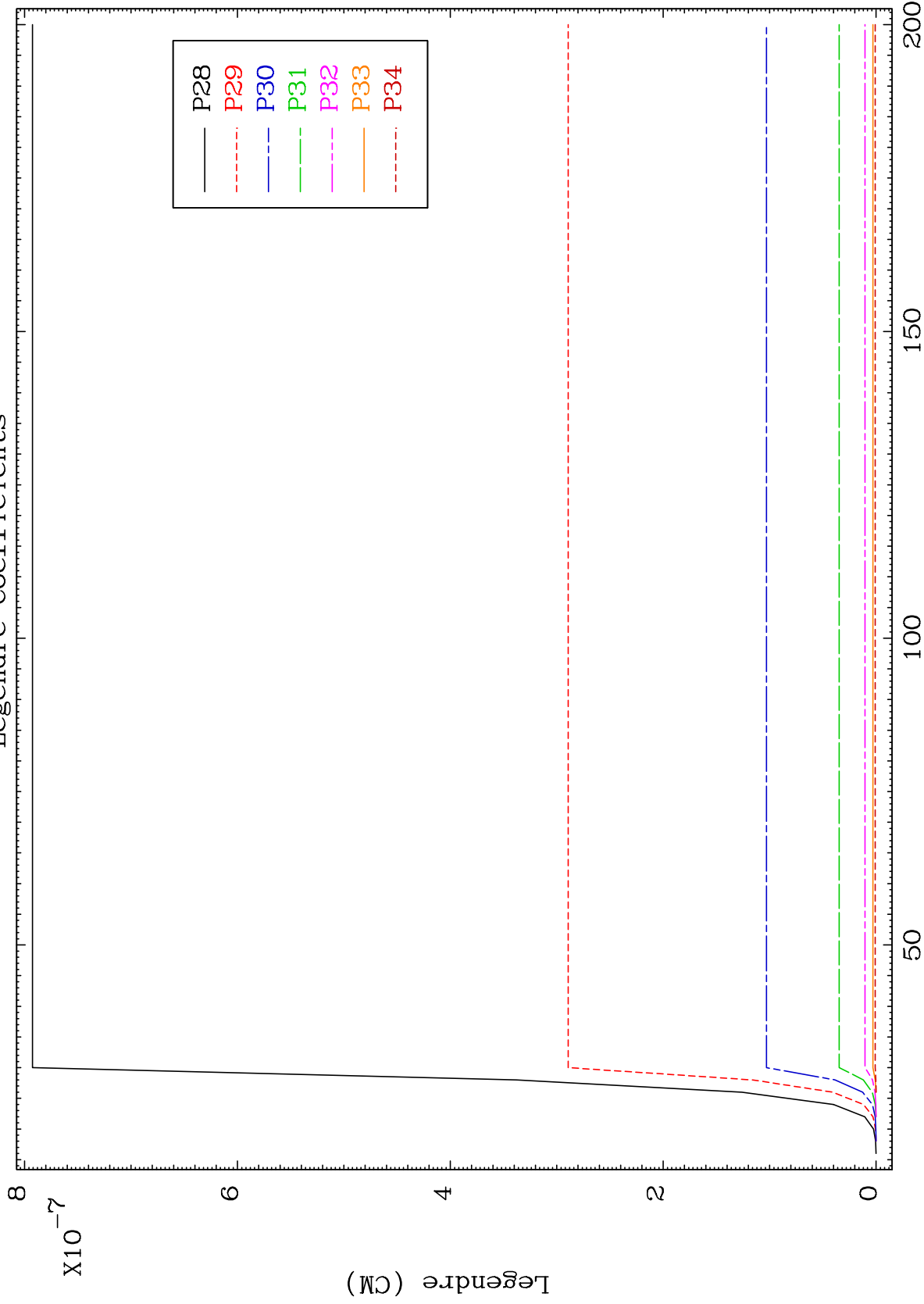
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



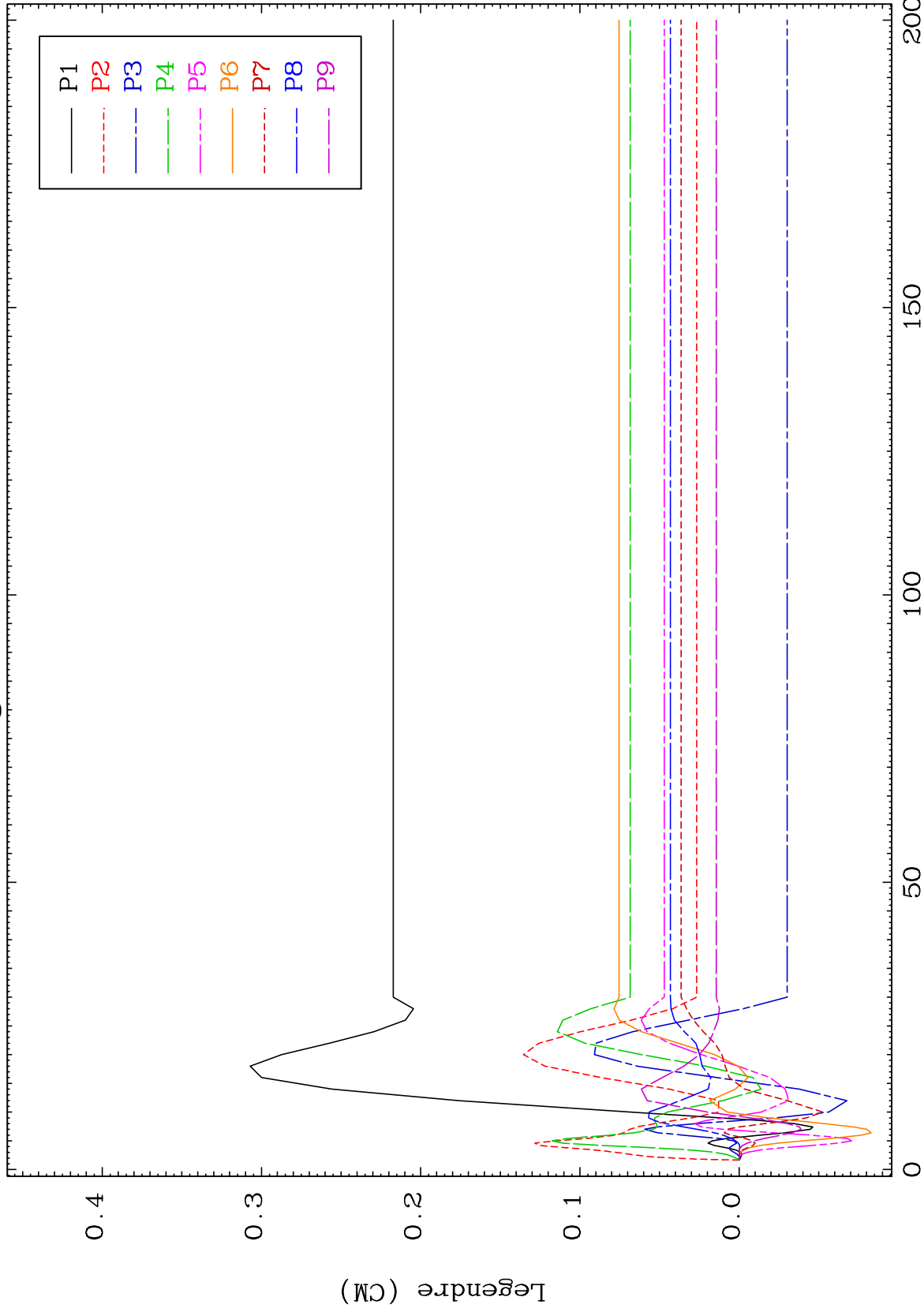
118

72-Hf-176

MAT 7231

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

72-Hf-176



119

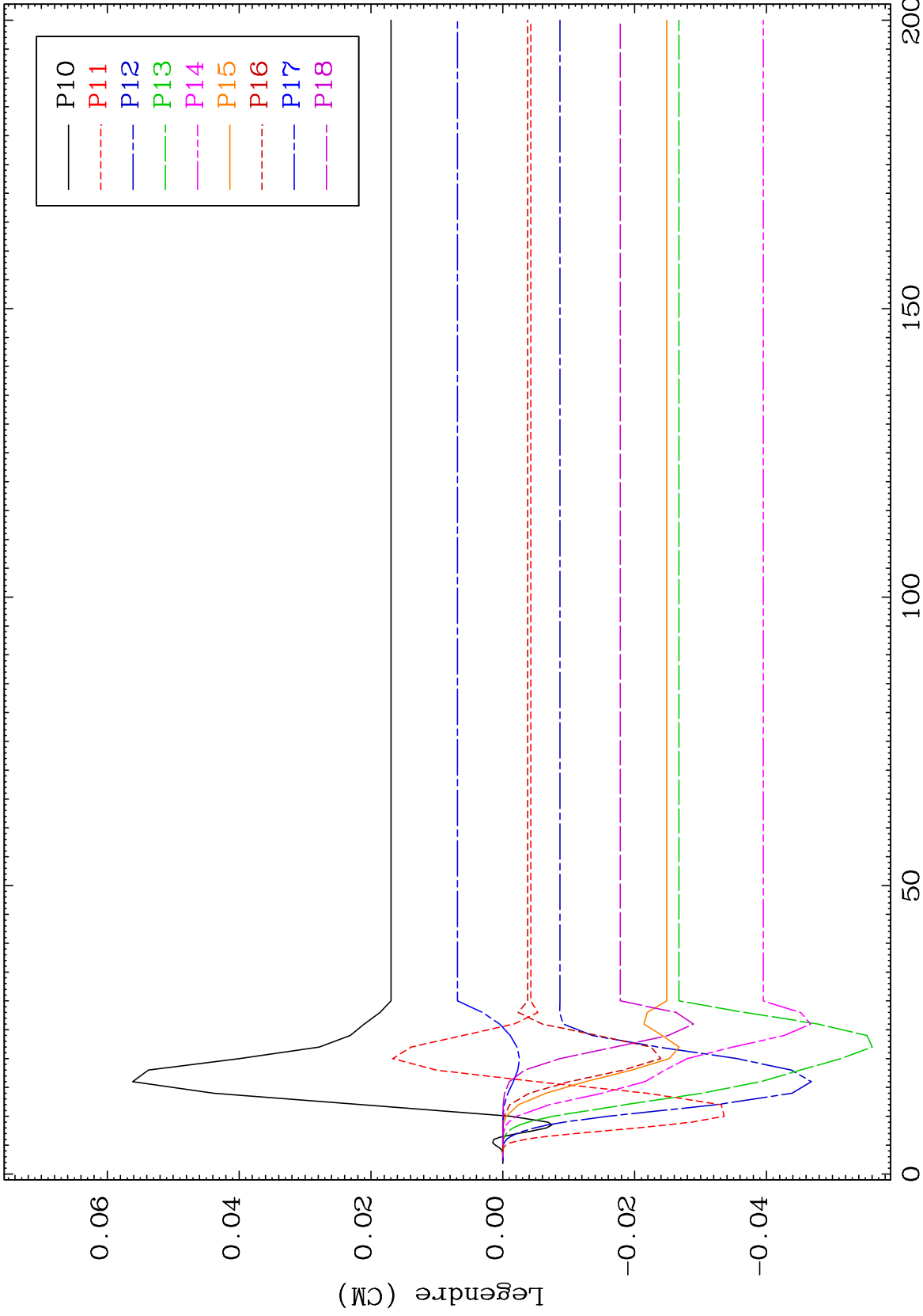
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



120

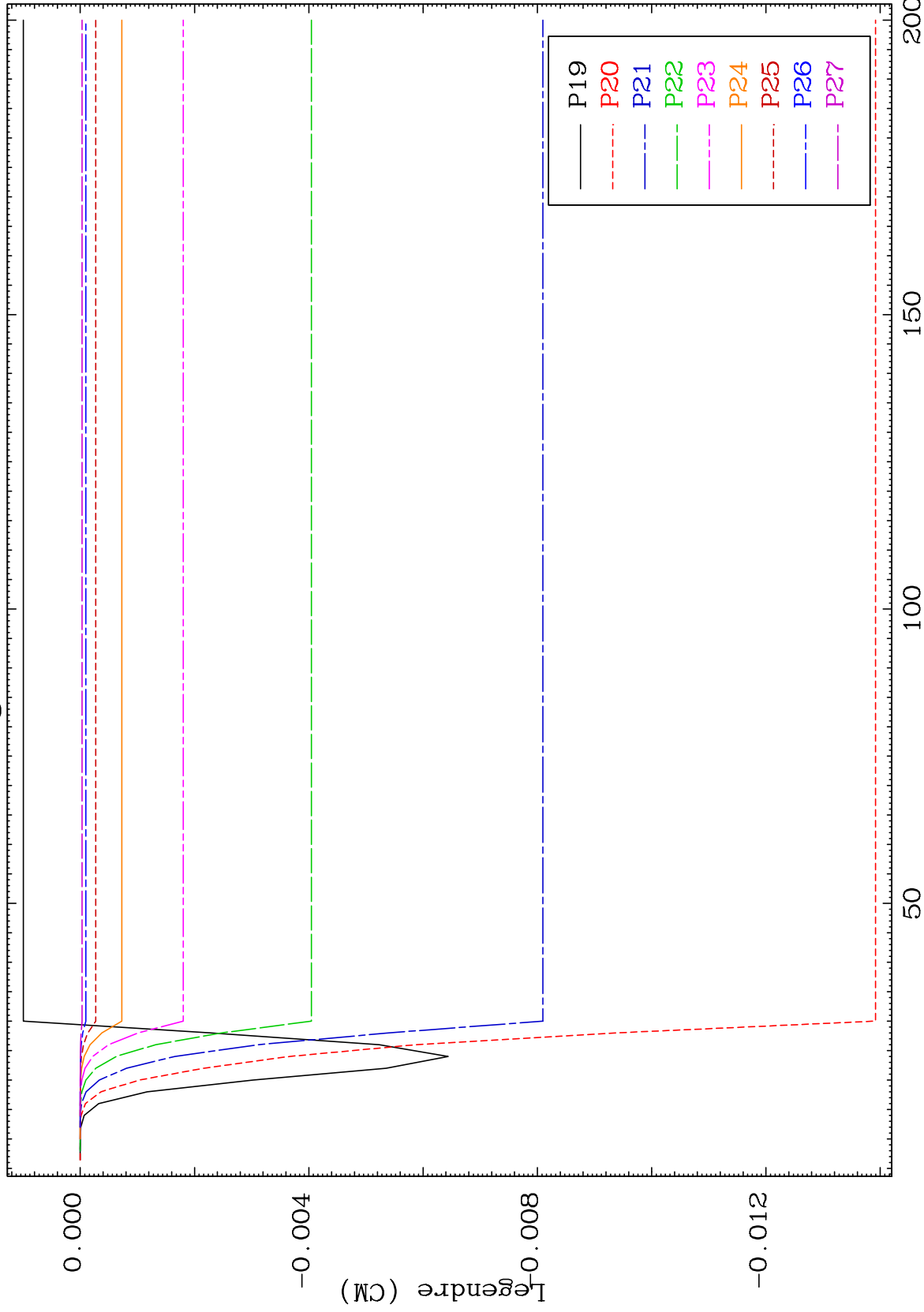
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



121

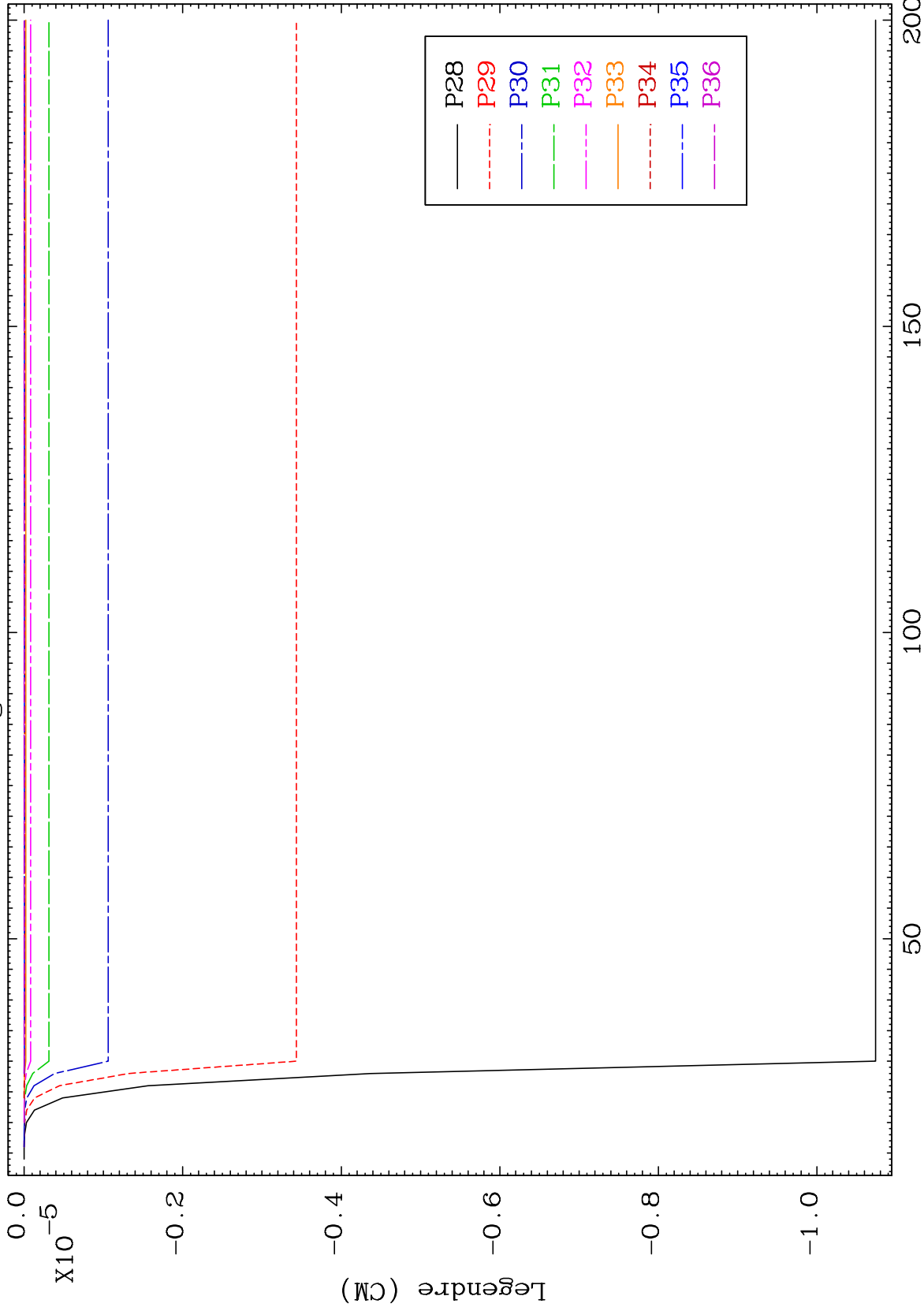
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

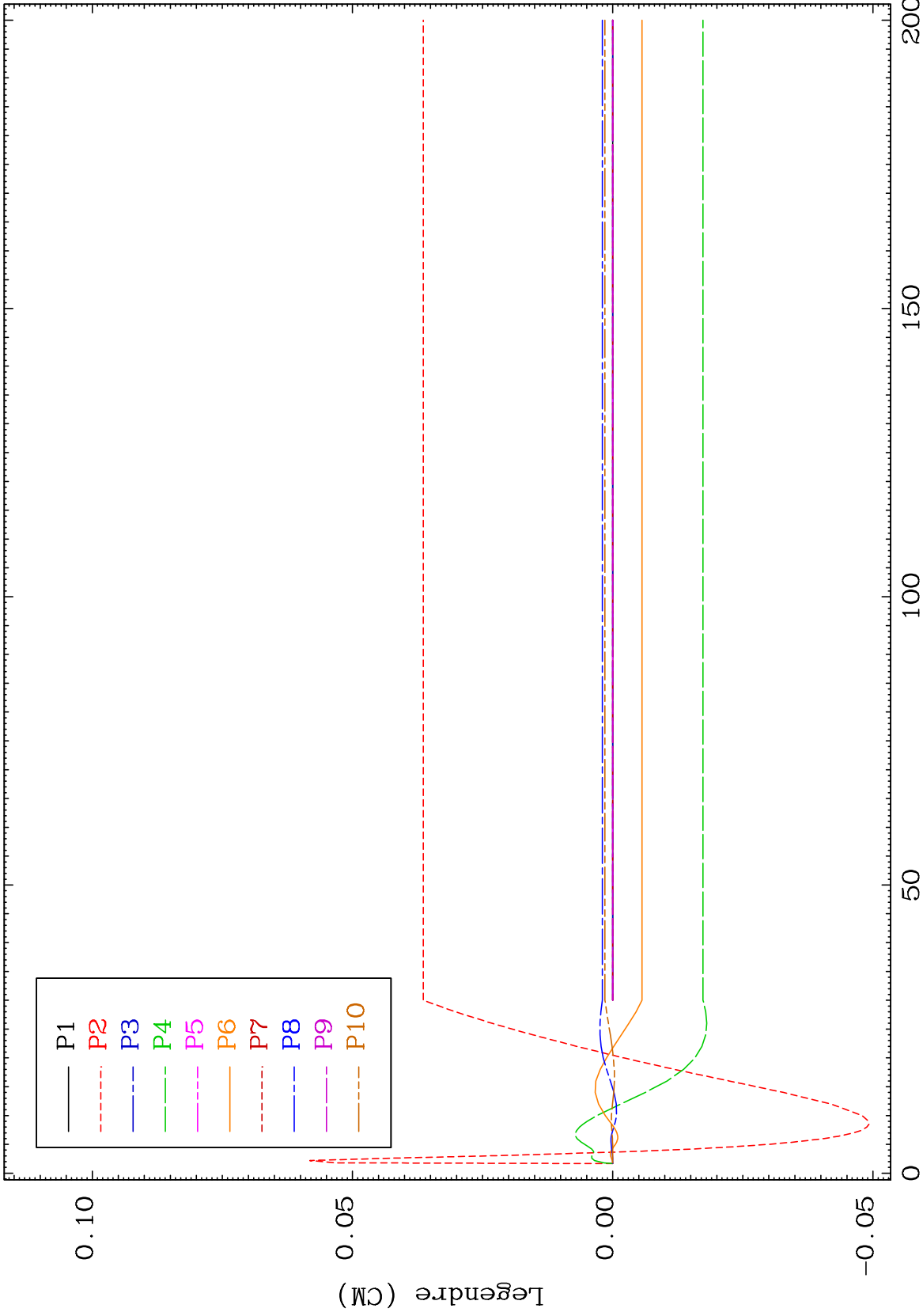
72-Hf-176



72-Hf-176

Incident Energy (MeV)

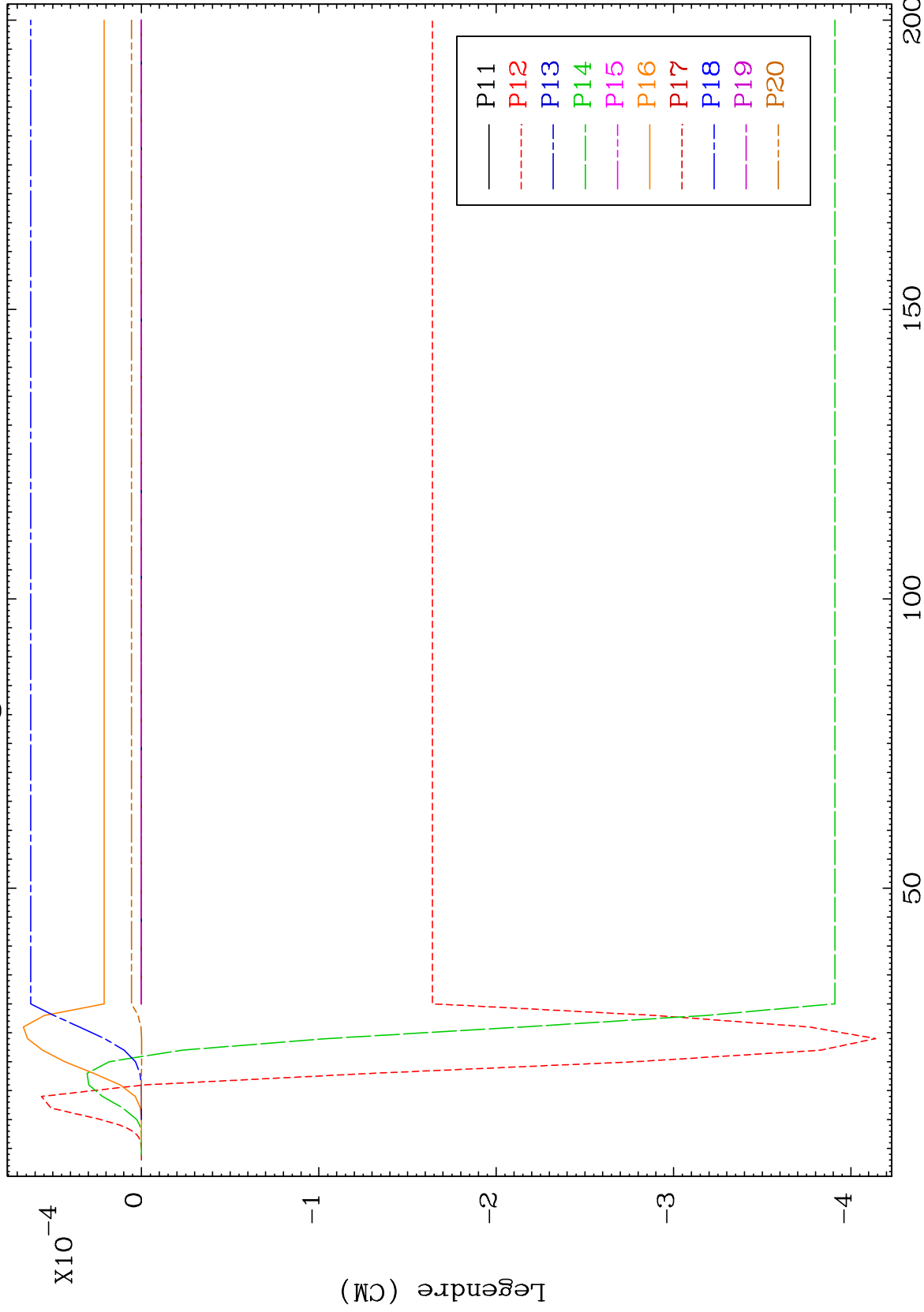
122



MAT 7231

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

72-Hf-176

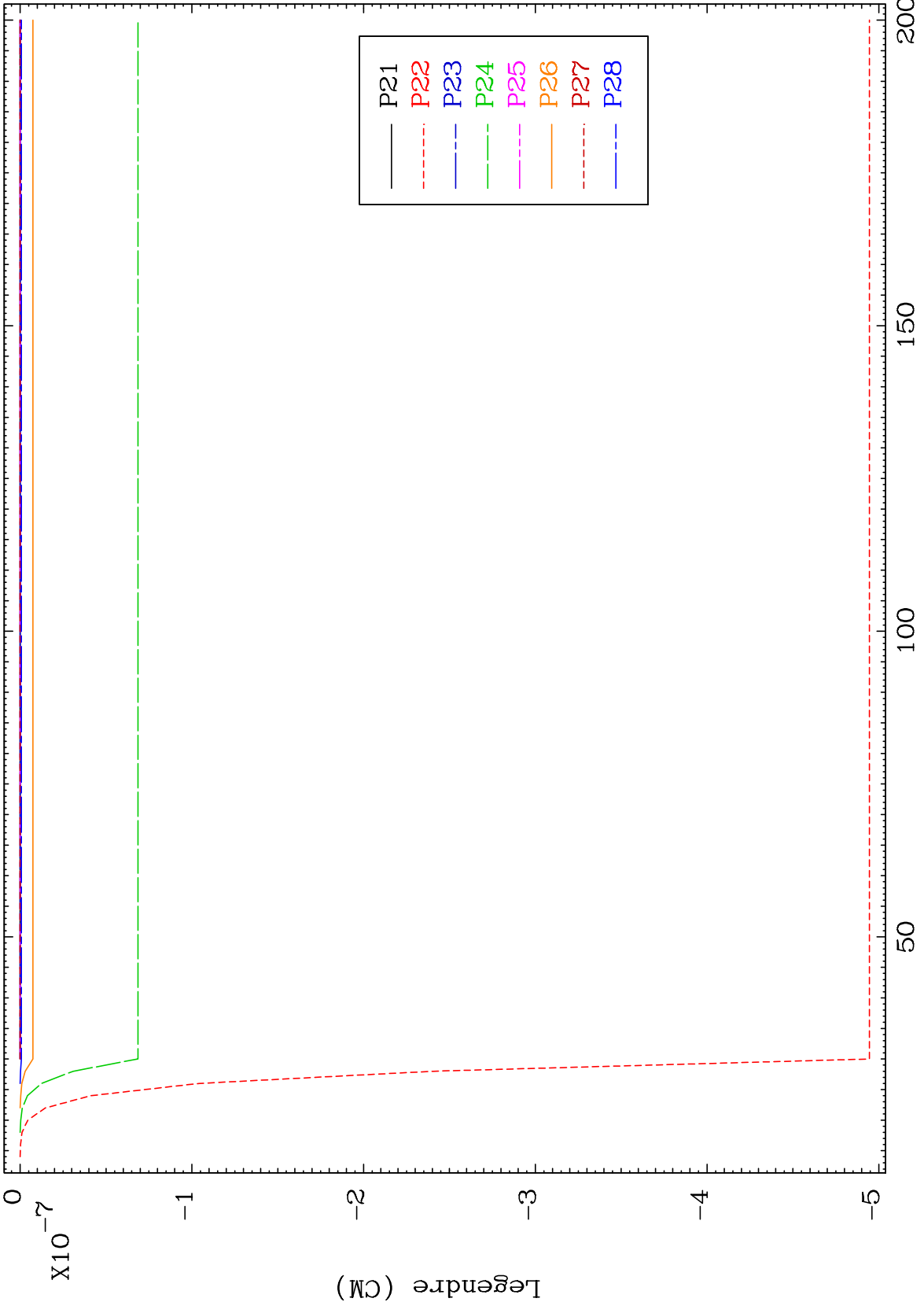


124

Incident Energy (MeV)

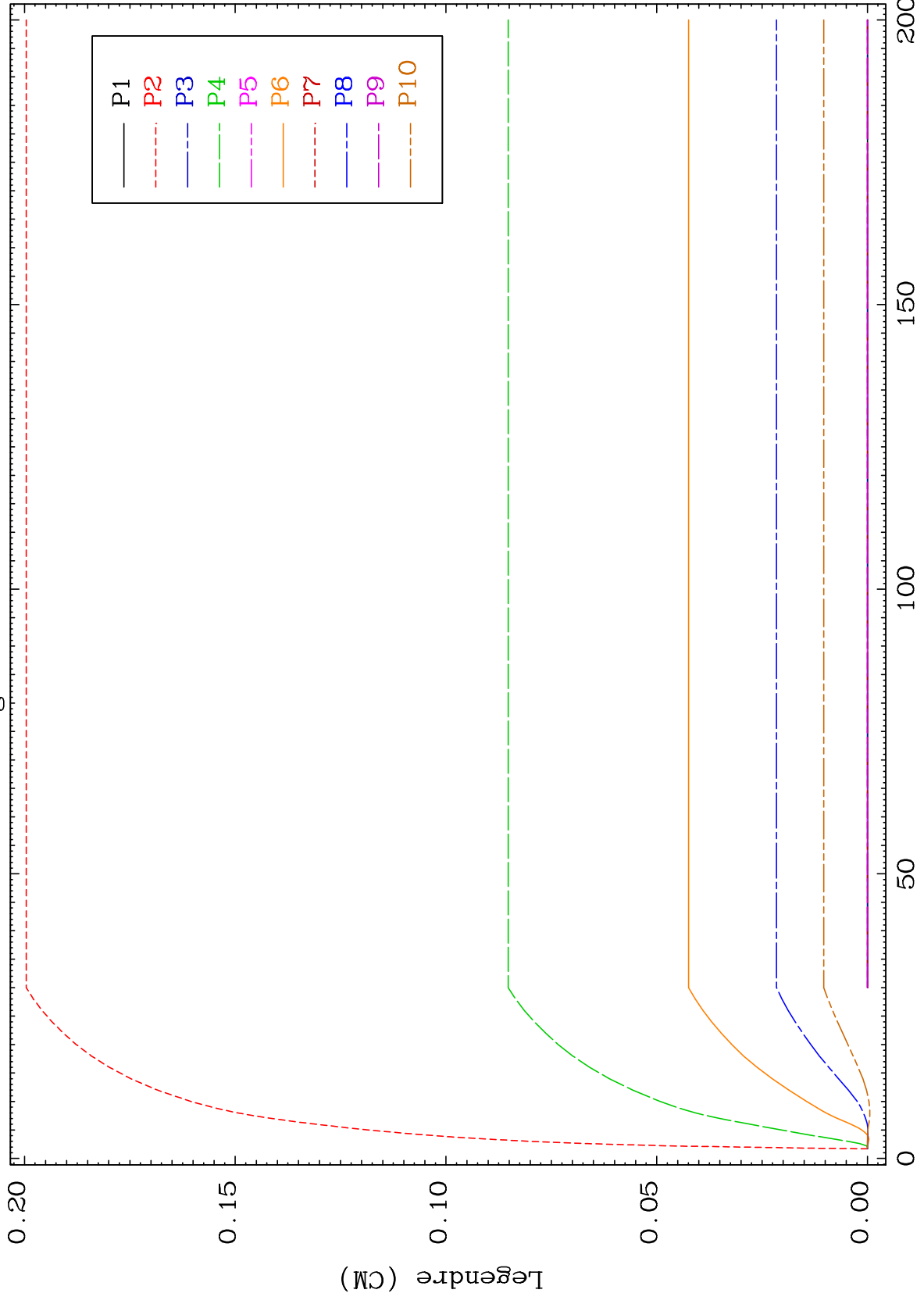
72-Hf-176

MAT 7231 MT= 79 (n,n') Level Legendre Coefficients 72-Hf-176



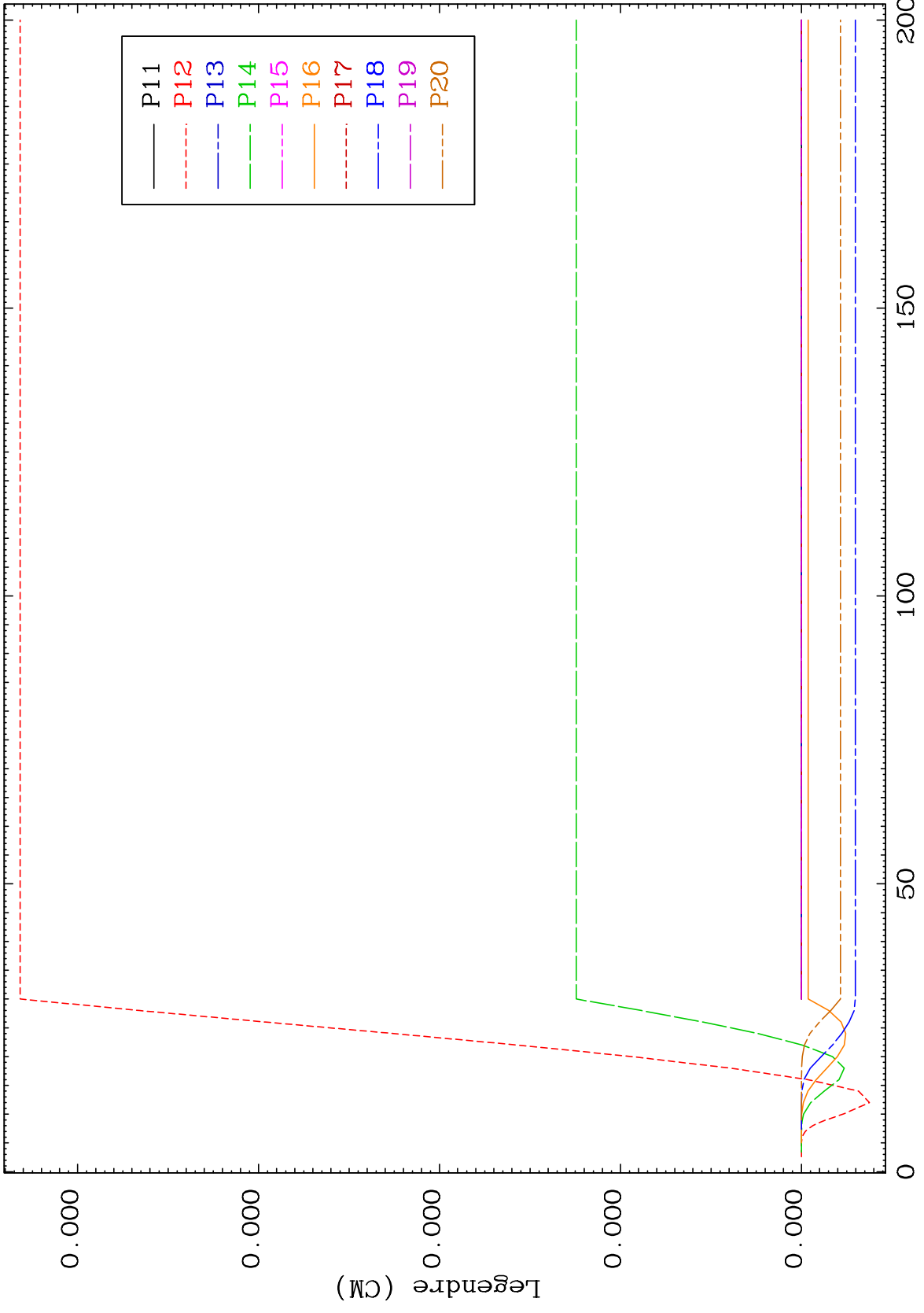
125 Incident Energy (MeV) 72-Hf-176

MAT 7231 MT= 80 (n,n') Level Legendre Coefficients 72-Hf-176



126 72-Hf-176

MAT 7231 MT= 80 (n,n') Level Legendre Coefficients 72-Hf-176

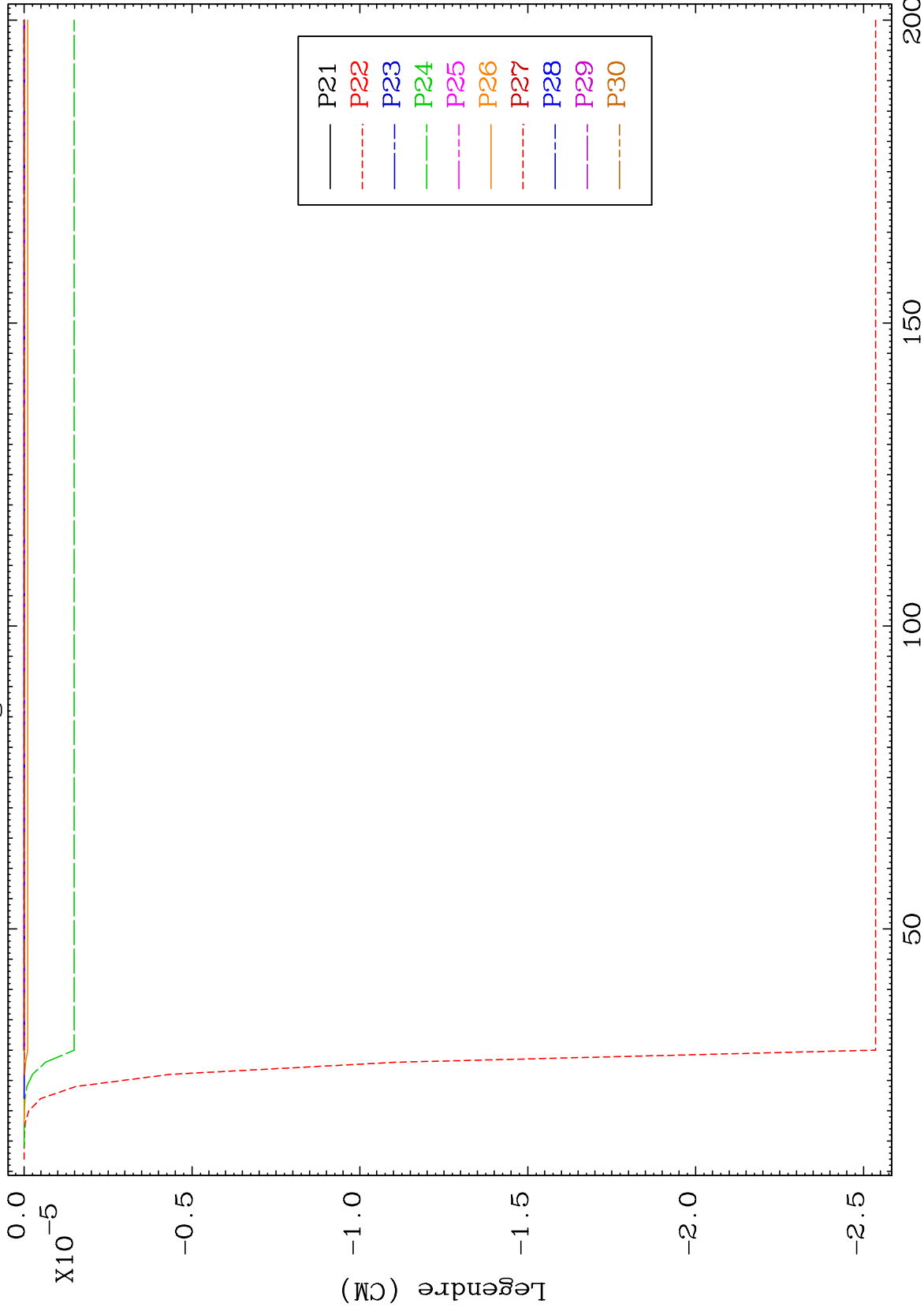


127 72-Hf-176

MAT 7231

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

72-Hf-176



128

Incident Energy (MeV)

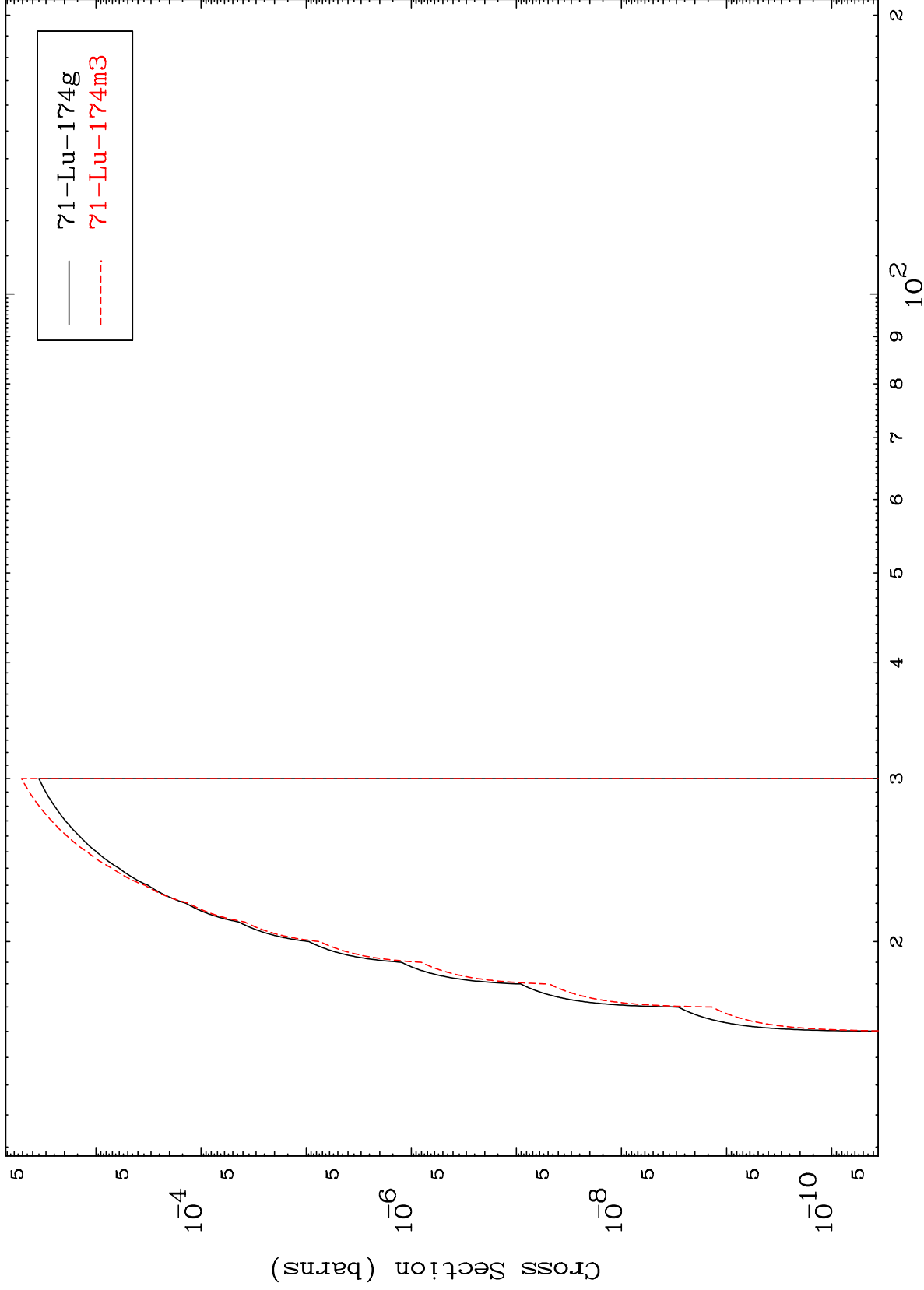
72-Hf-176

MAT 7231

(n, n') d

72-Hf-176

Radionuclide Production Cross Section



129

Incident Energy (MeV)

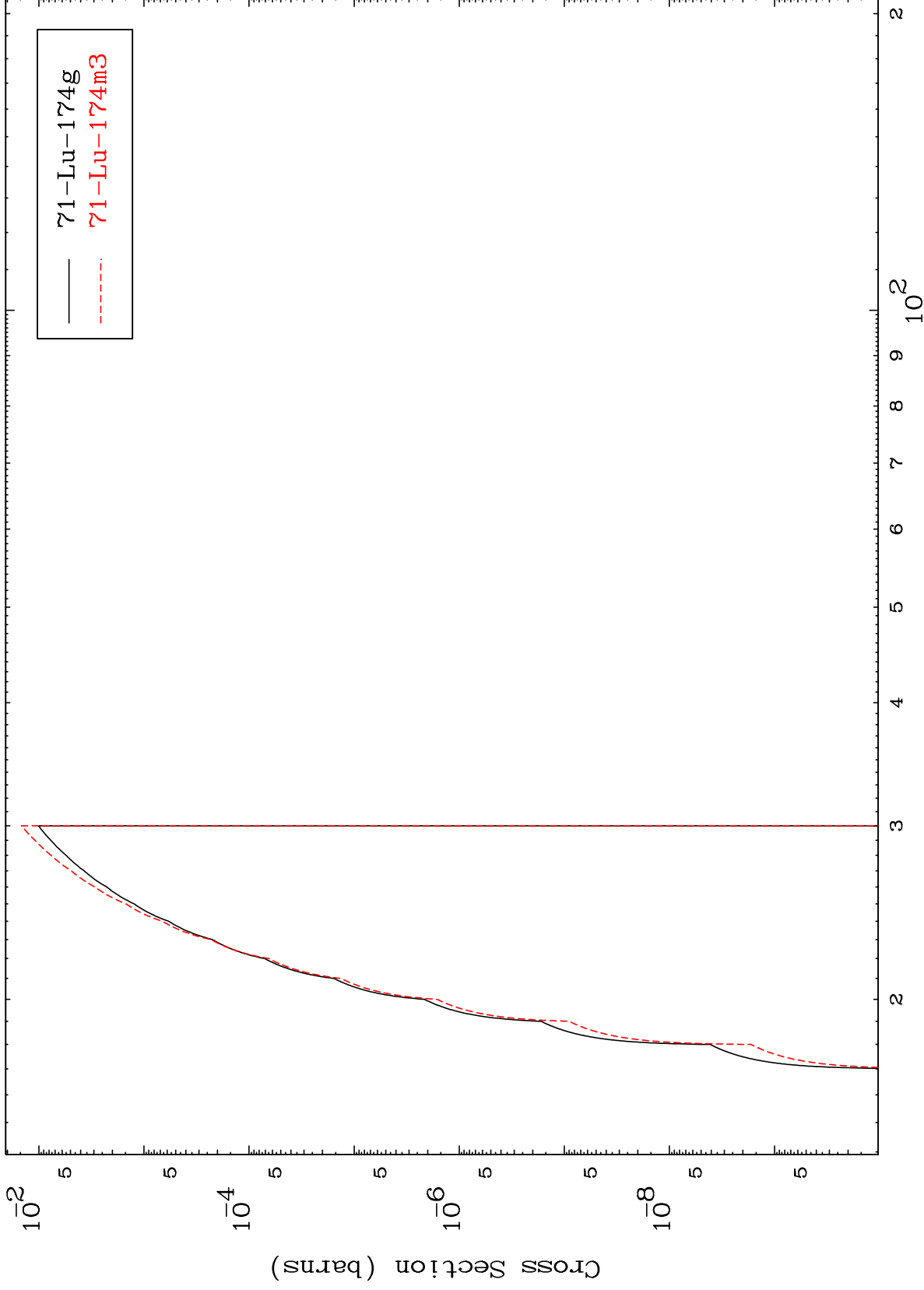
72-Hf-176

MAT 7231

(n,2n) p

72-Hf-176

Radionuclide Production Cross Section



130

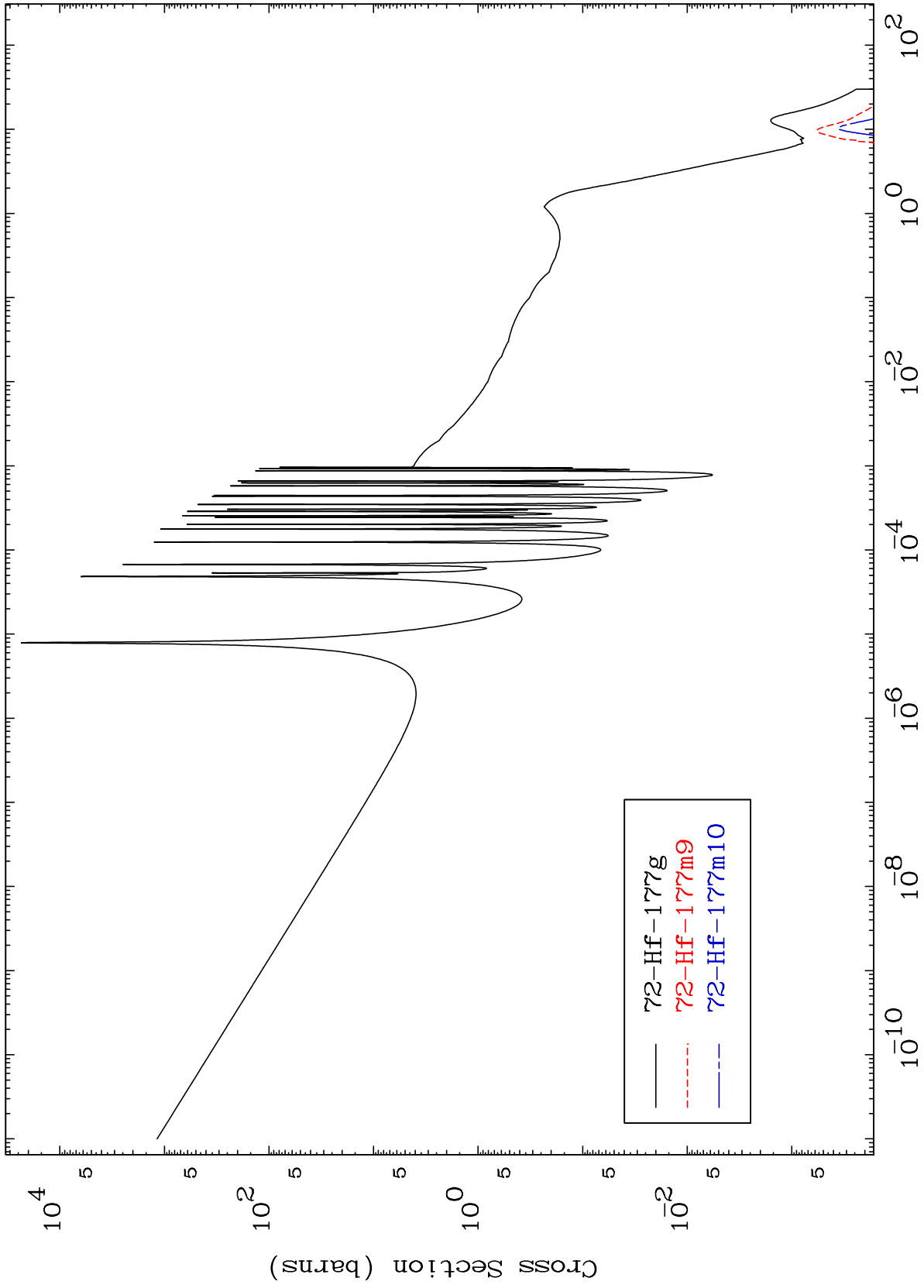
Incident Energy (MeV)

72-Hf-176

MAT 7231

72-Hf-176

Radionuclide Production Cross Section



131

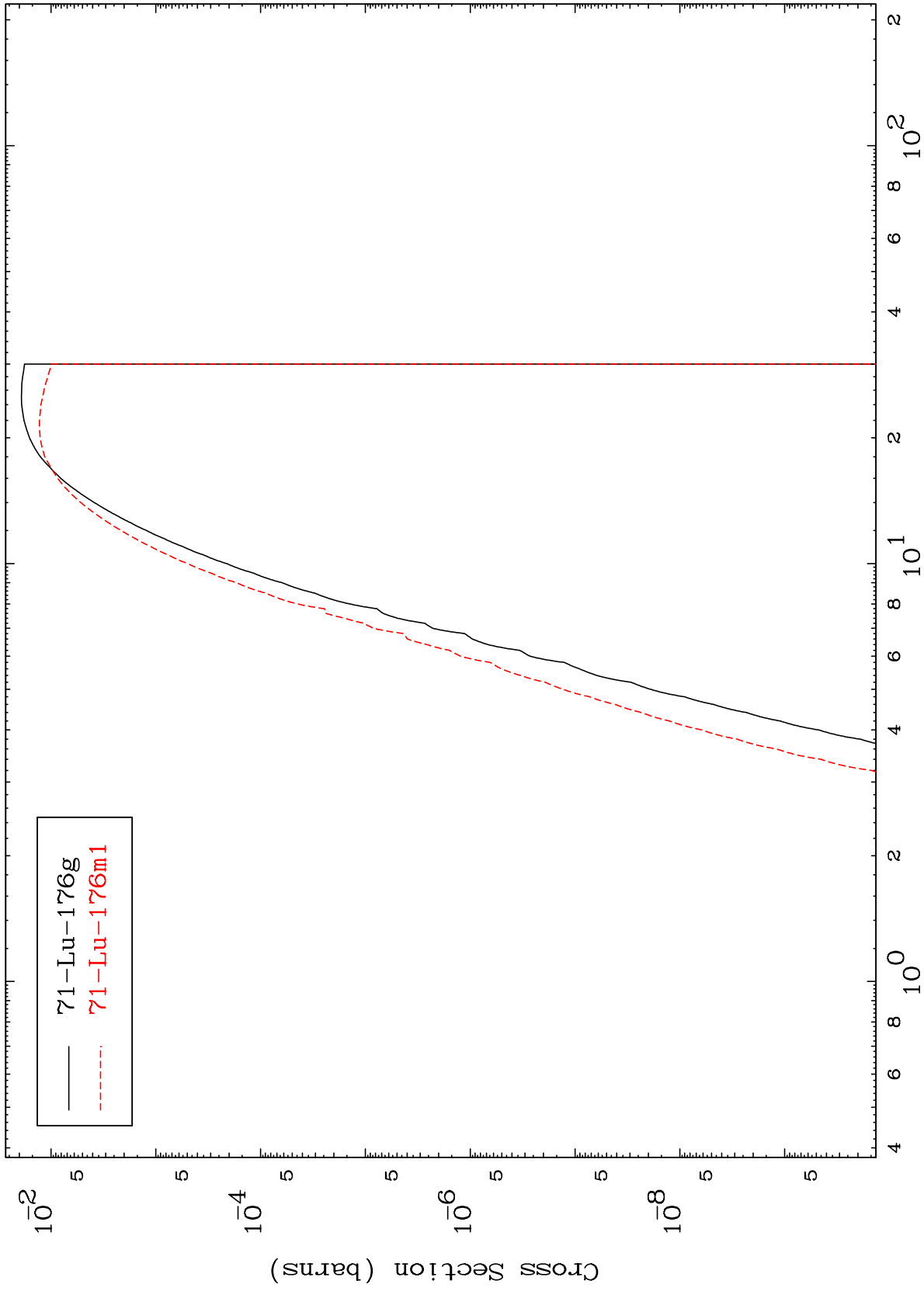
72-Hf-176

MAT 7231

(n,p)

72-Hf-176

Radionuclide Production Cross Section



132

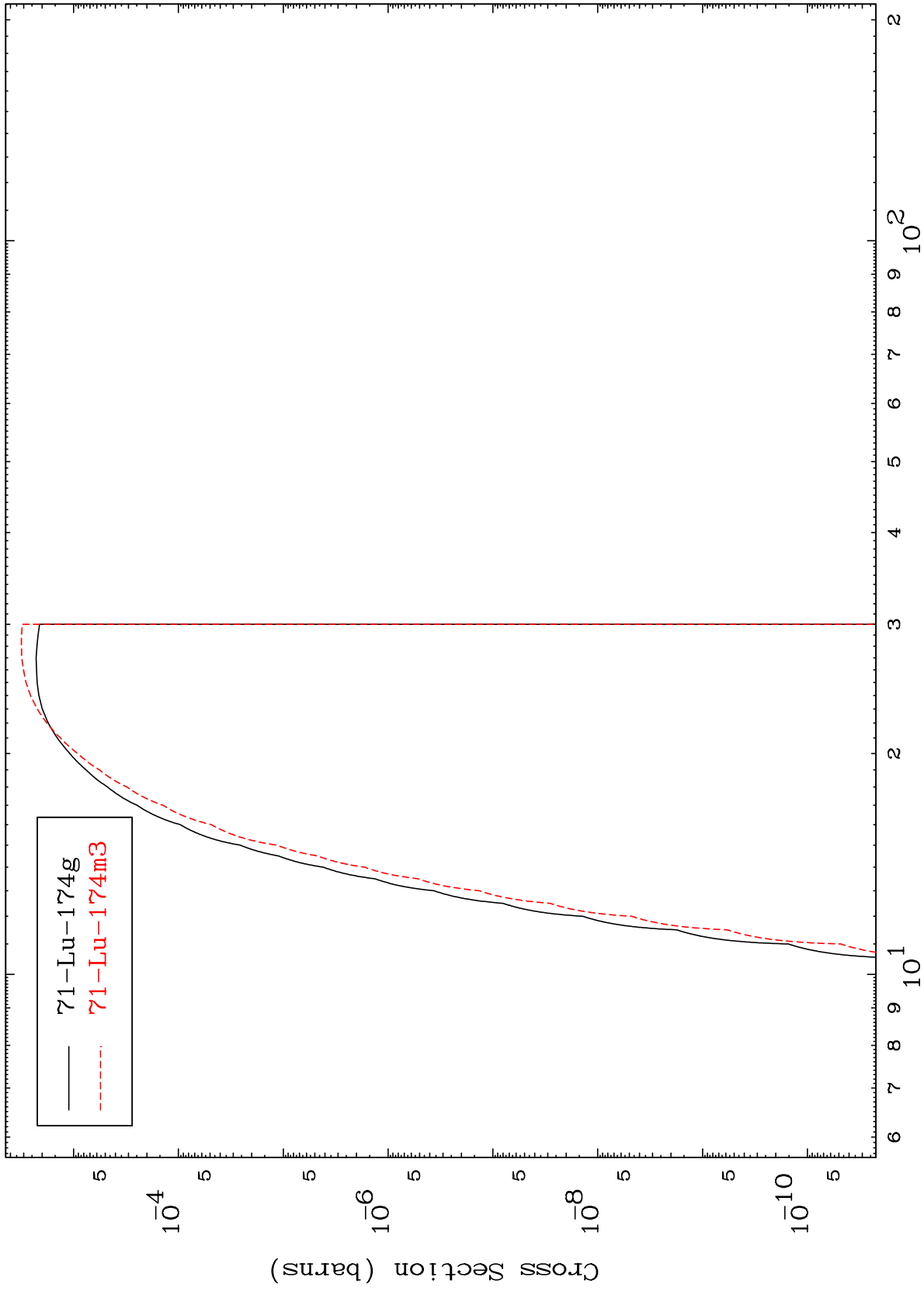
Incident Energy (MeV)

72-Hf-176

MAT 7231

72-Hf-176

(n, t)
Radionuclide Production Cross Section



133

72-Hf-176

Incident Energy (MeV)