

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

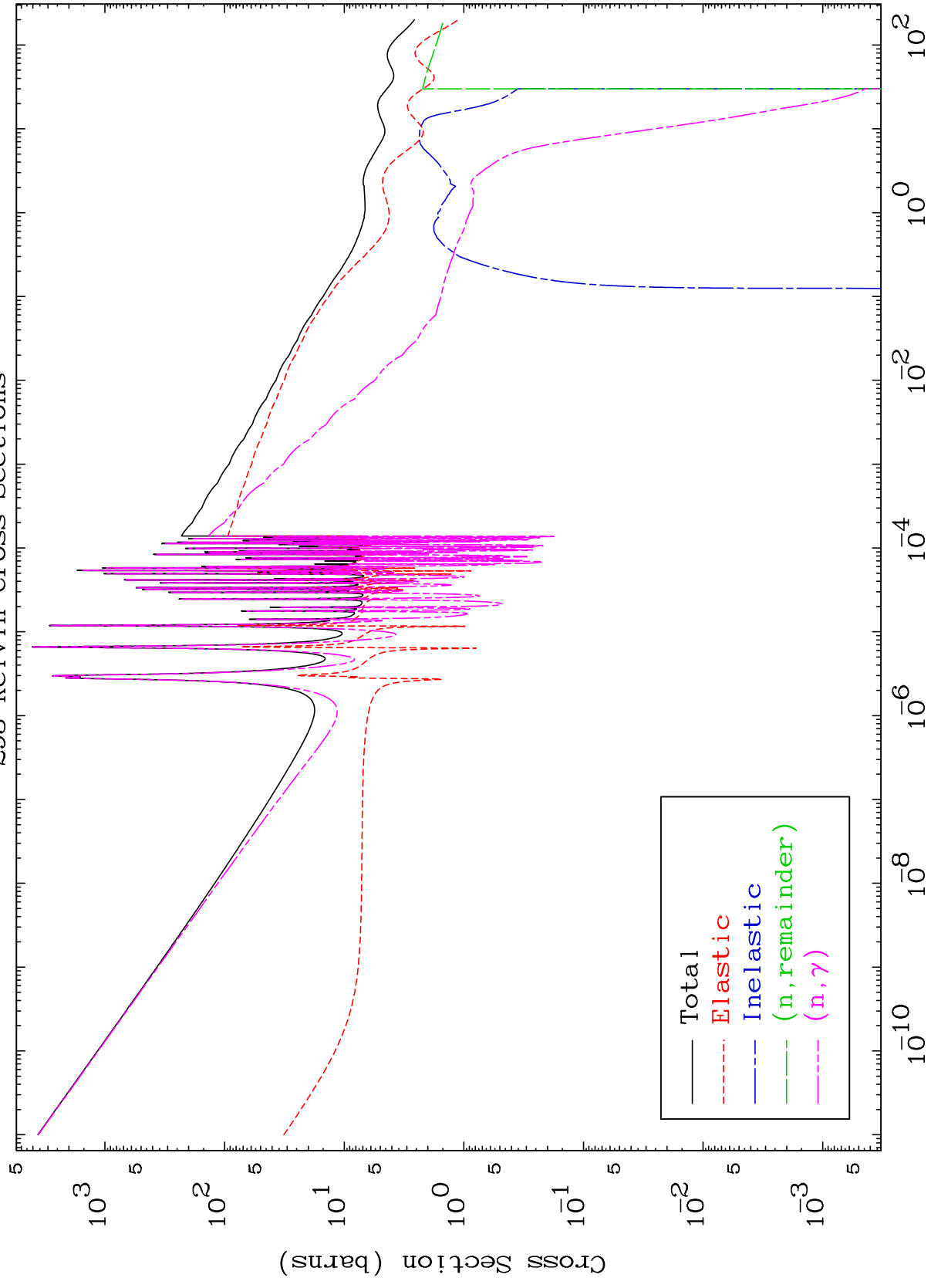
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7207

Major  
293 Kelvin Cross Sections

72-Hf-168



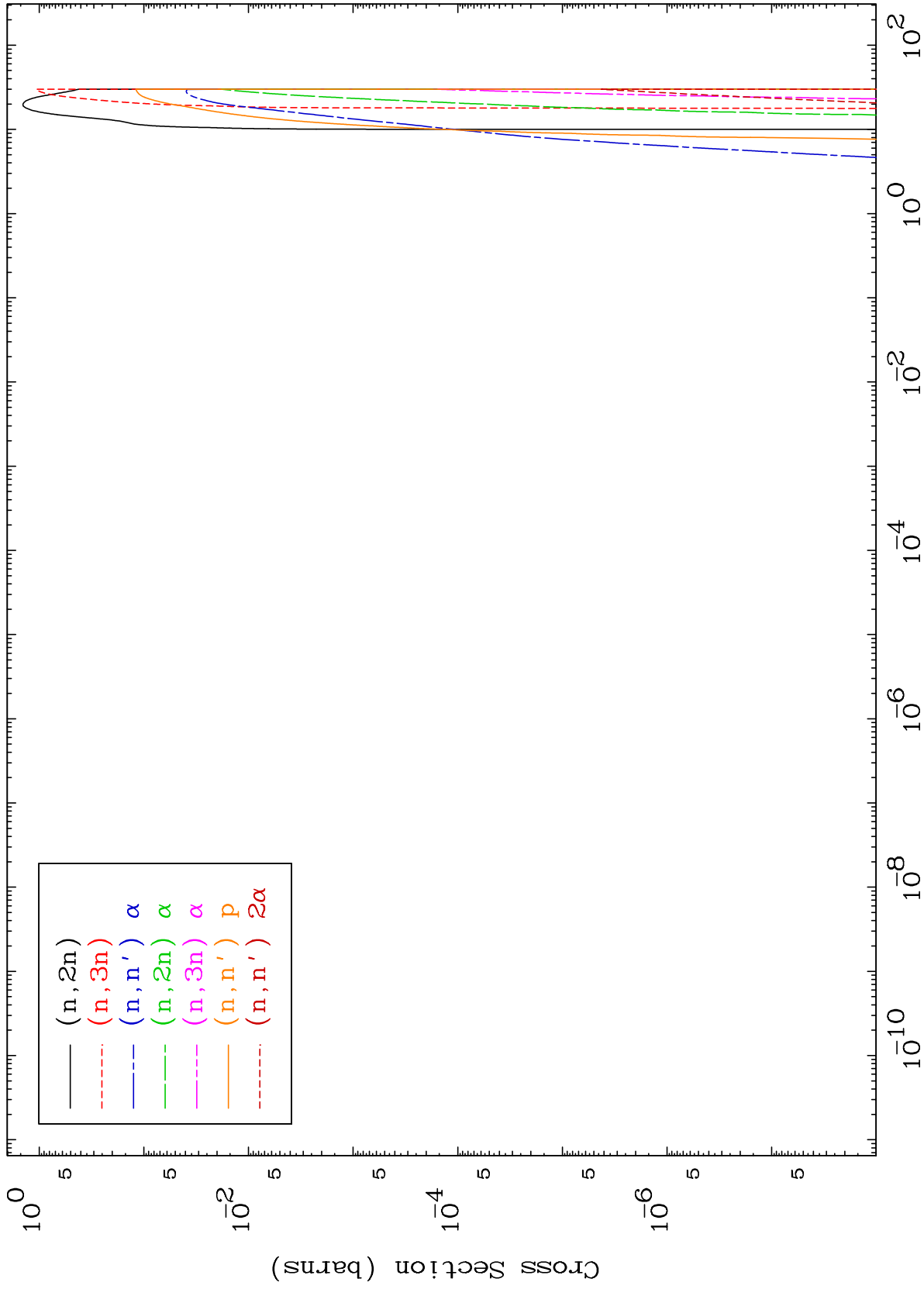
72-Hf-168

Incident Energy (MeV)

MAT 7207

Neutron Production  
293 Kelvin Cross Sections

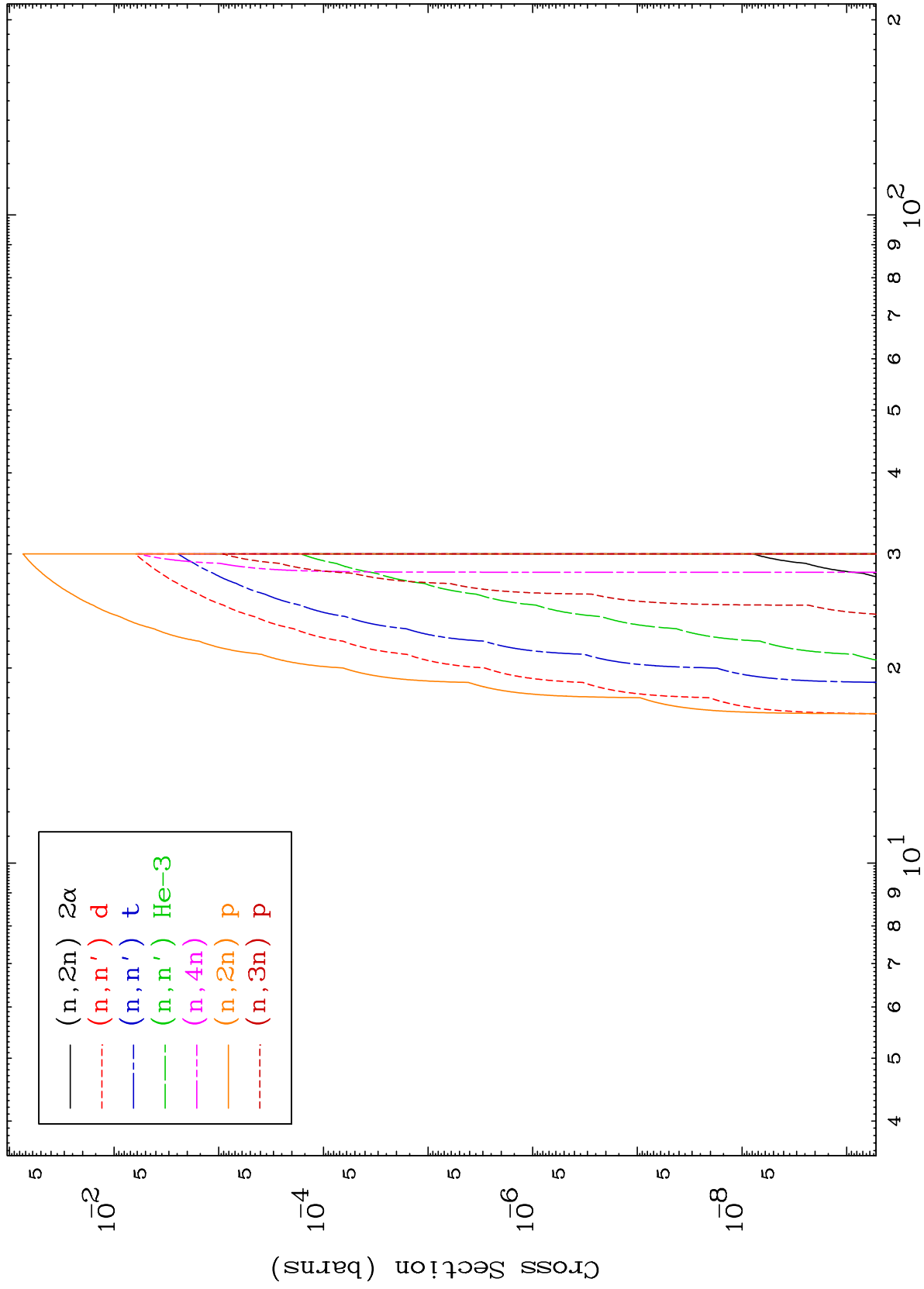
72-Hf-168



2

Incident Energy (MeV)

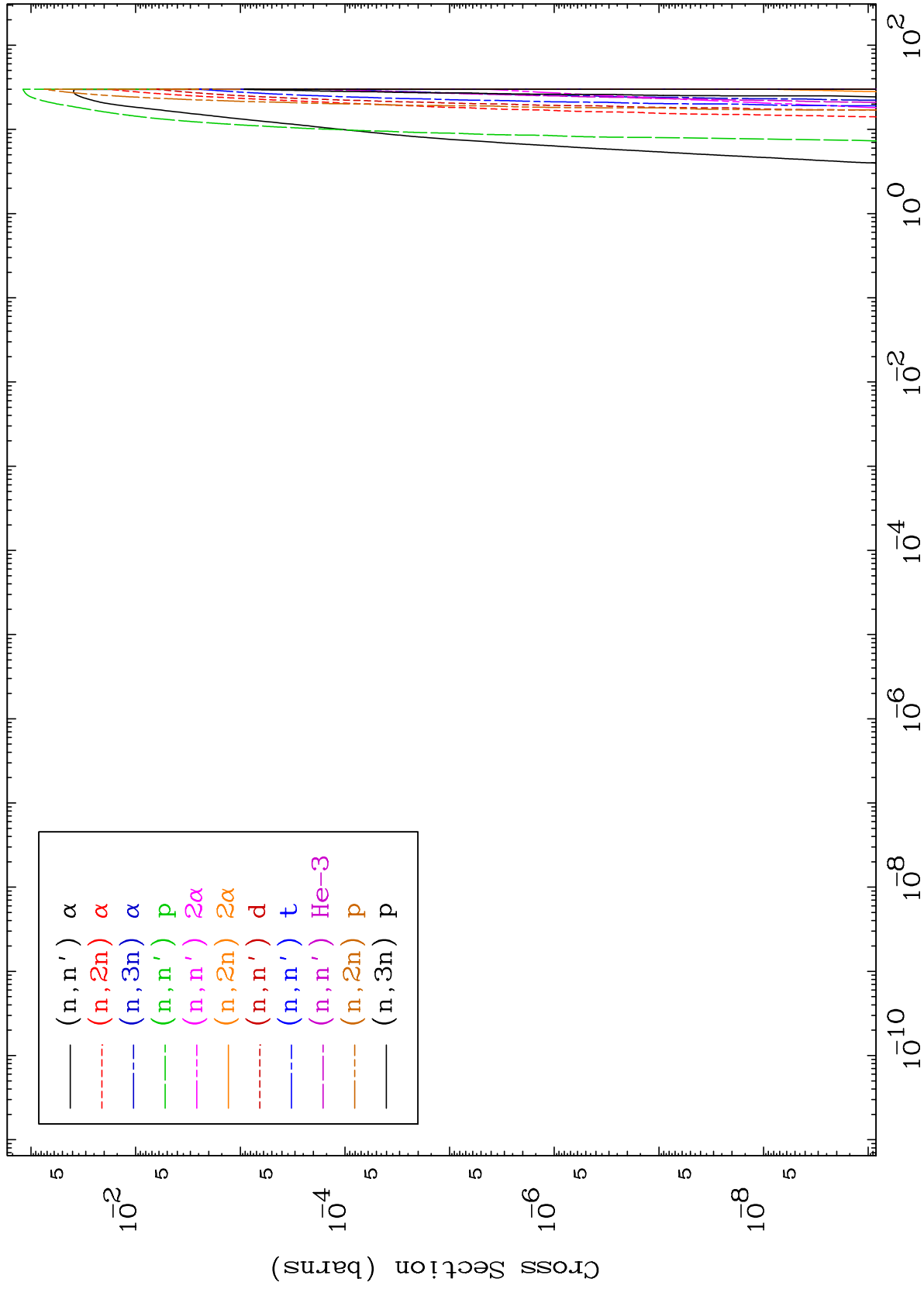
72-Hf-168



MAT 7207

293 Charged Particle  
Kelvin Cross Sections

72-Hf-168

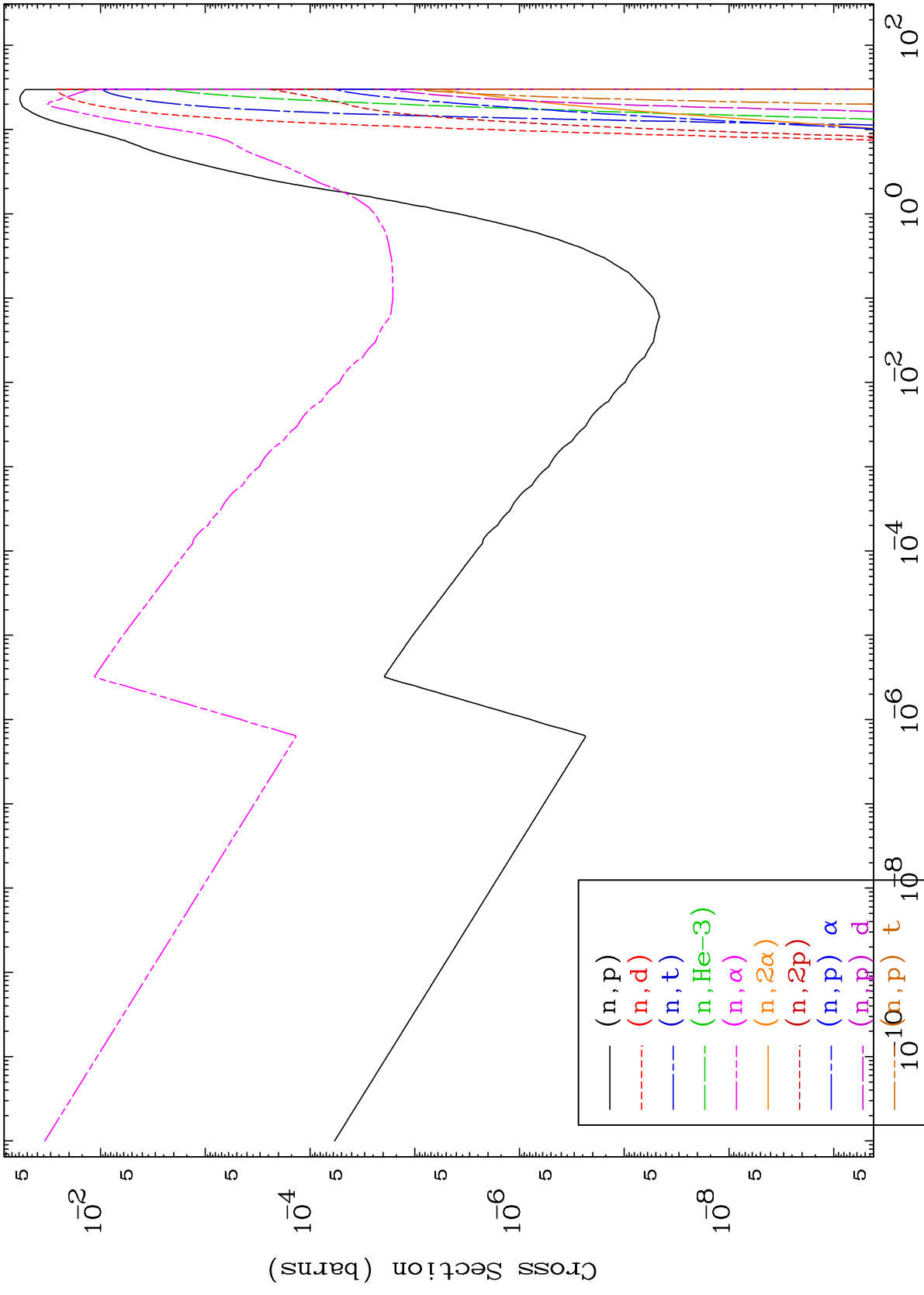


72-Hf-168

MAT 7207

293 Kelvin Cross Sections

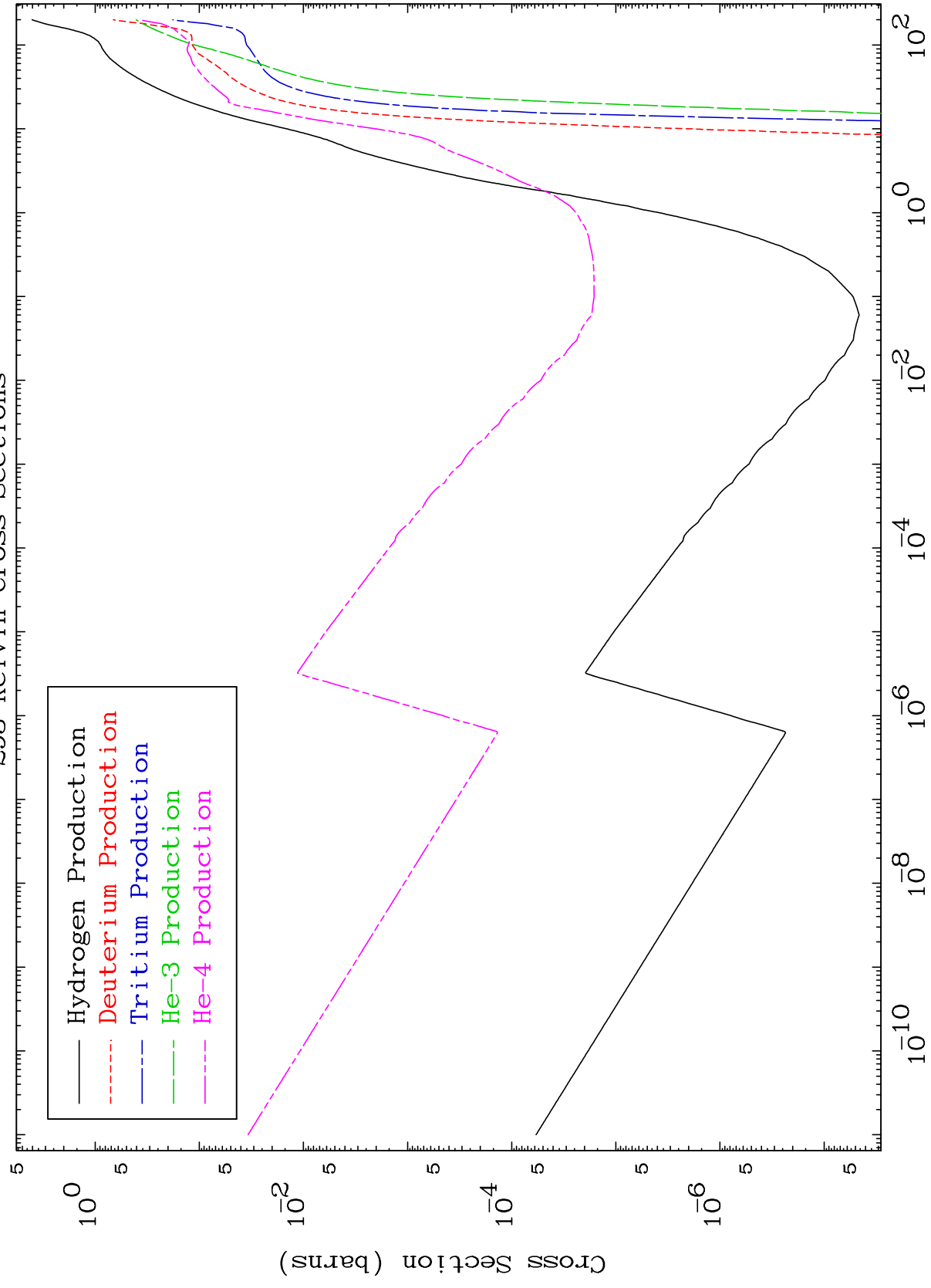
72-Hf-168

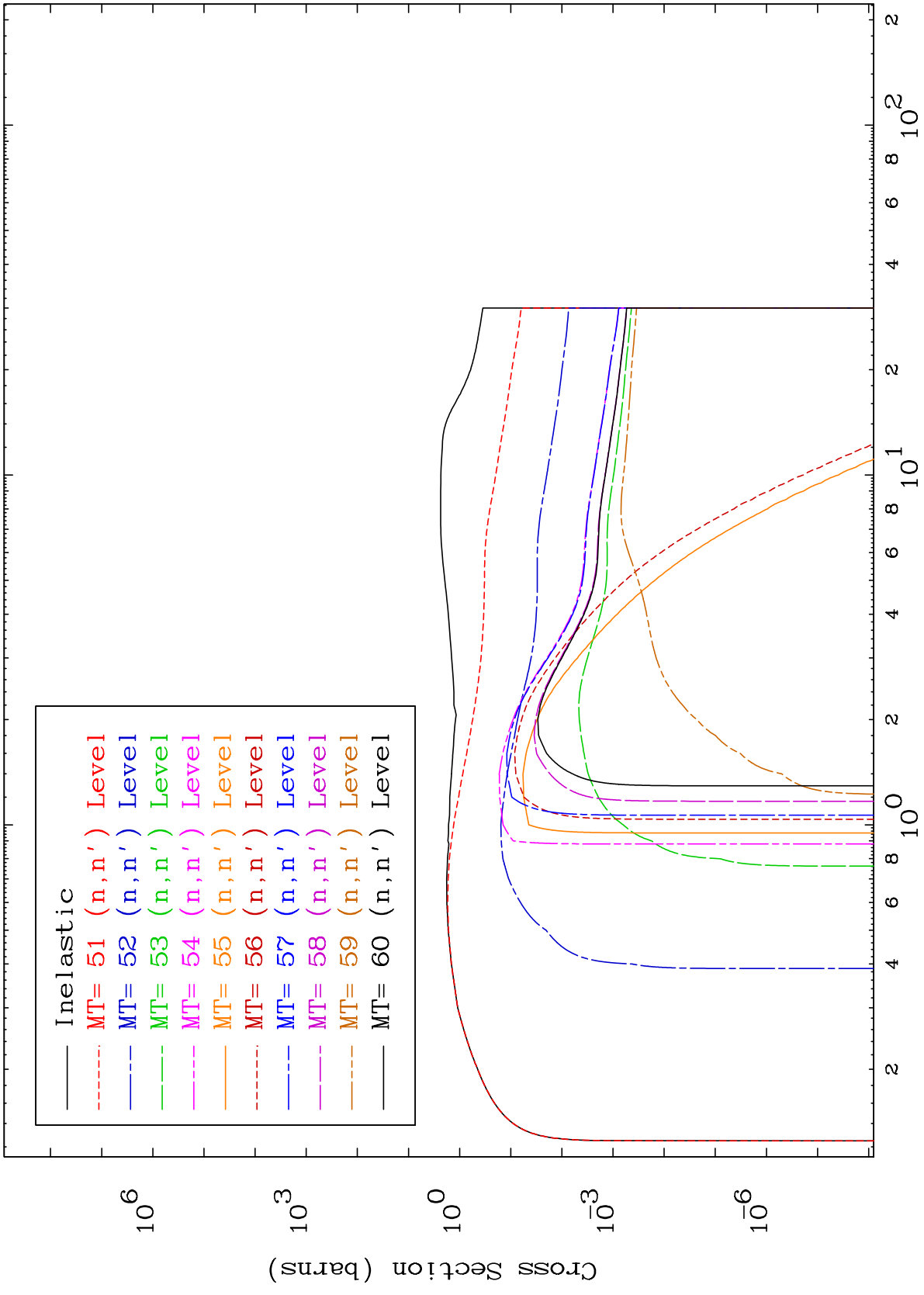


5

Incident Energy (MeV)

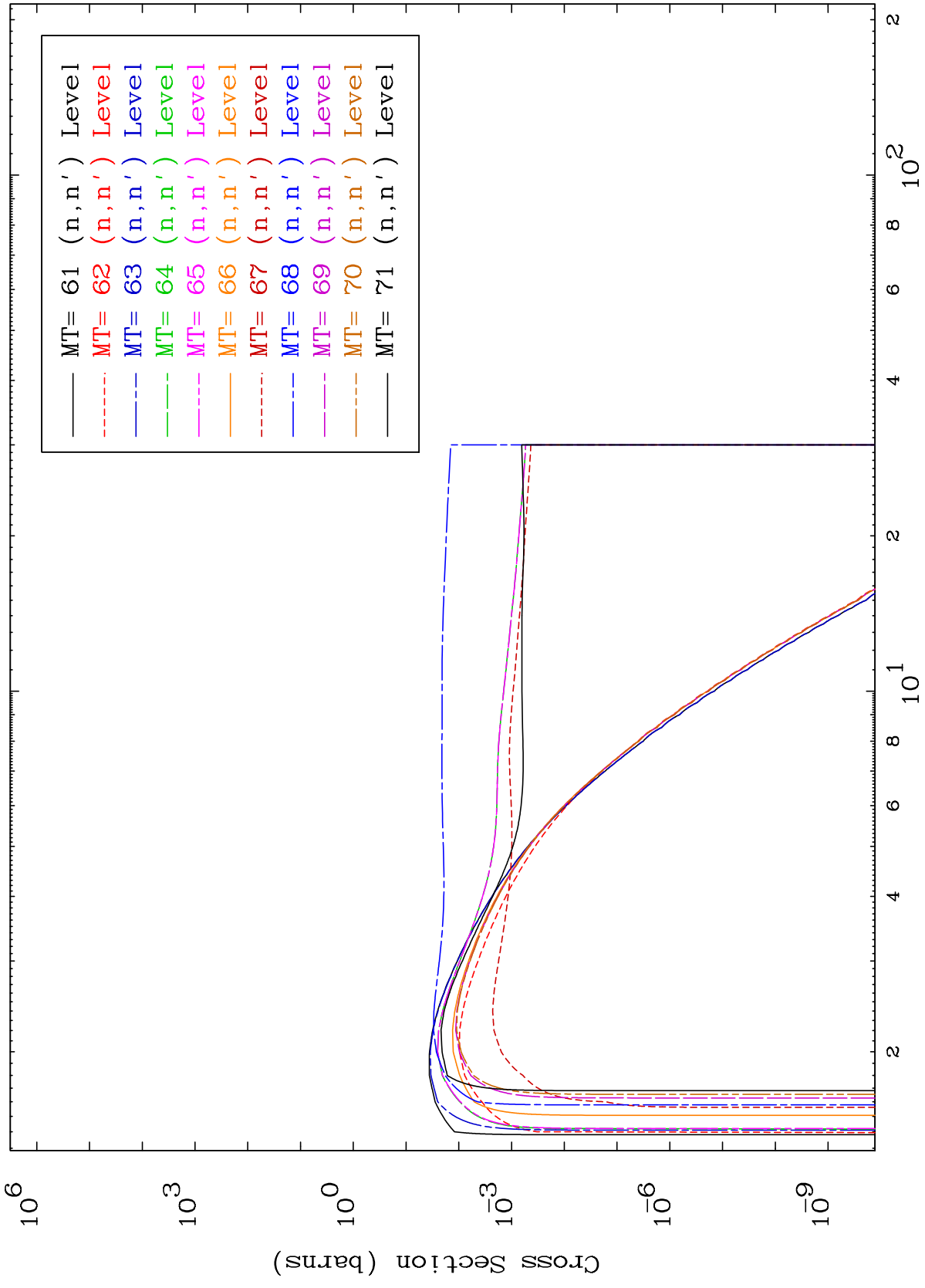
72-Hf-168







293 Kelvin Cross Sections

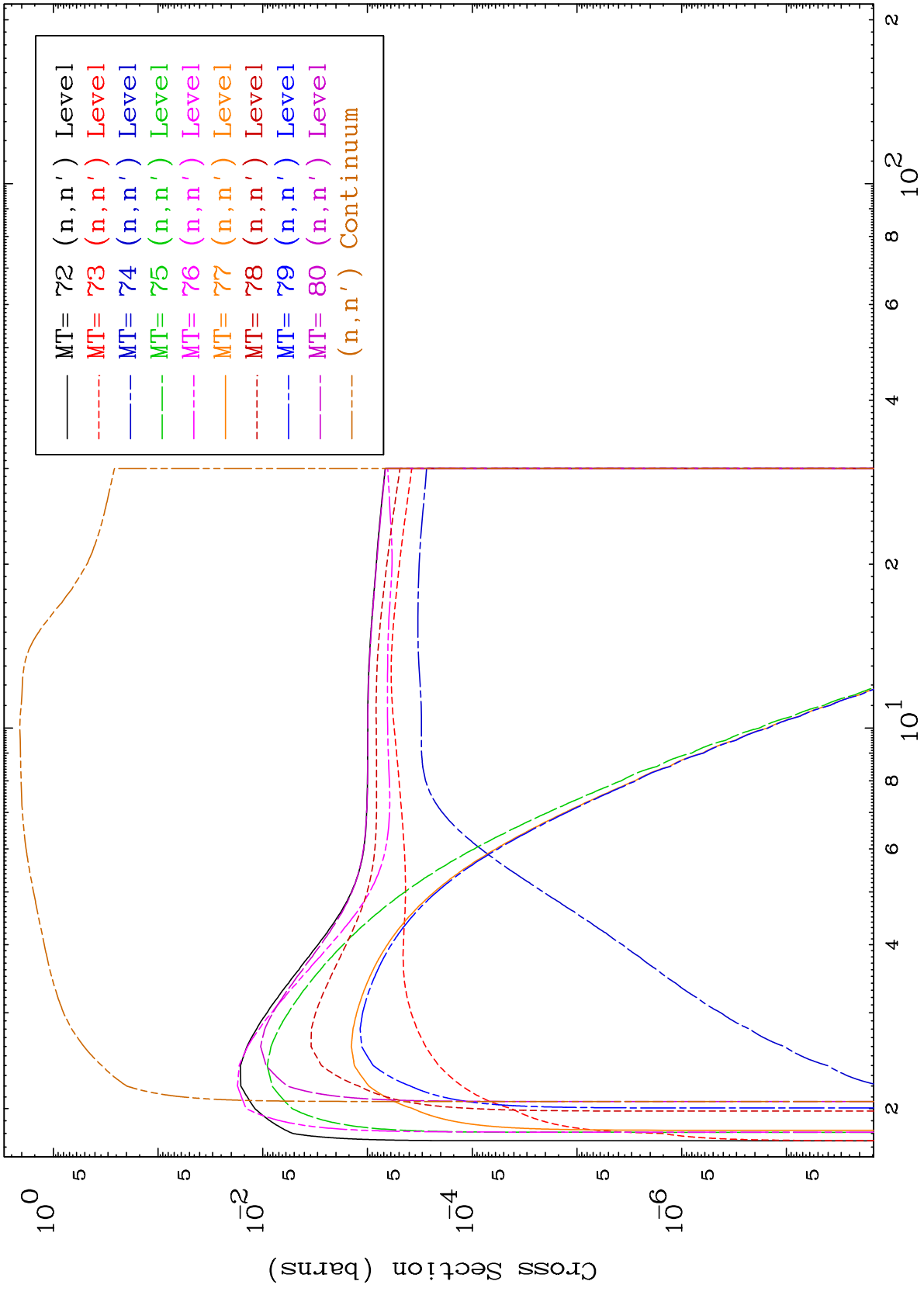


MAT 7207

(n,n') Level

72-Hf-168

293 Kelvin Cross Sections



9

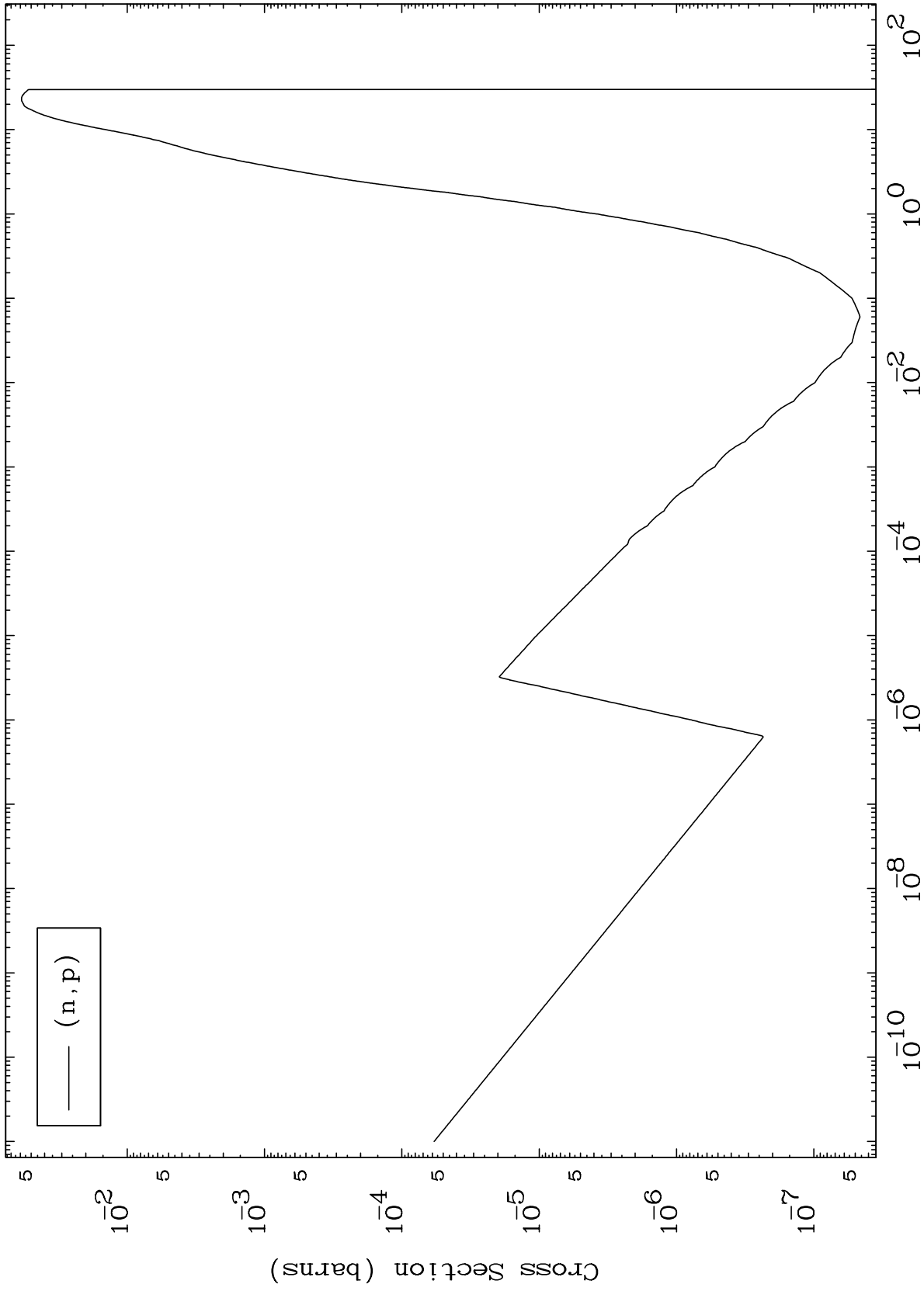
Incident Energy (MeV)

72-Hf-168

MAT 7207

(n,p) Levels  
293 Kelvin Cross Sections

72-Hf-168



10

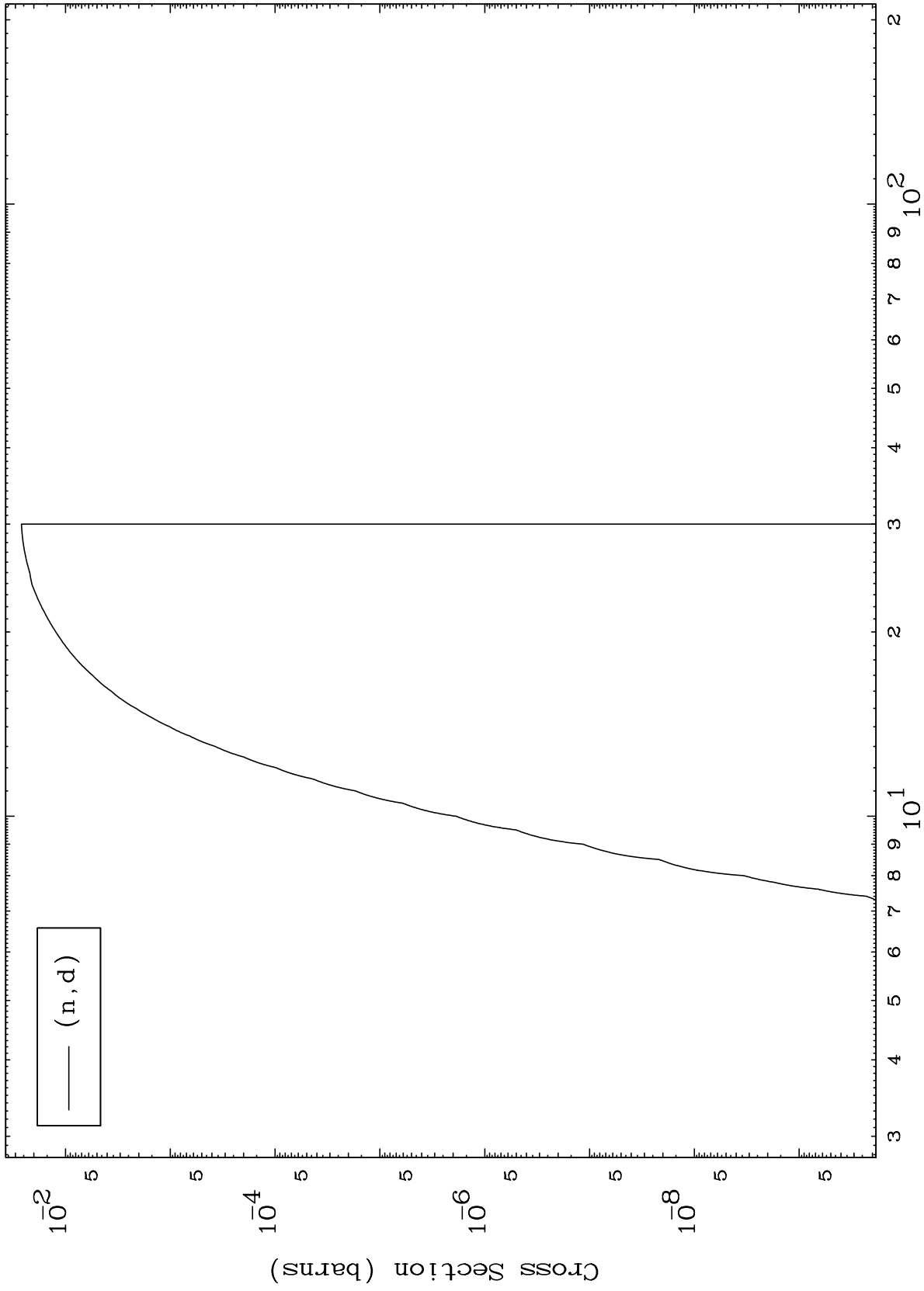
Incident Energy (MeV)

72-Hf-168

MAT 7207

(n,d) Levels  
293 Kelvin Cross Sections

72-Hf-168



11

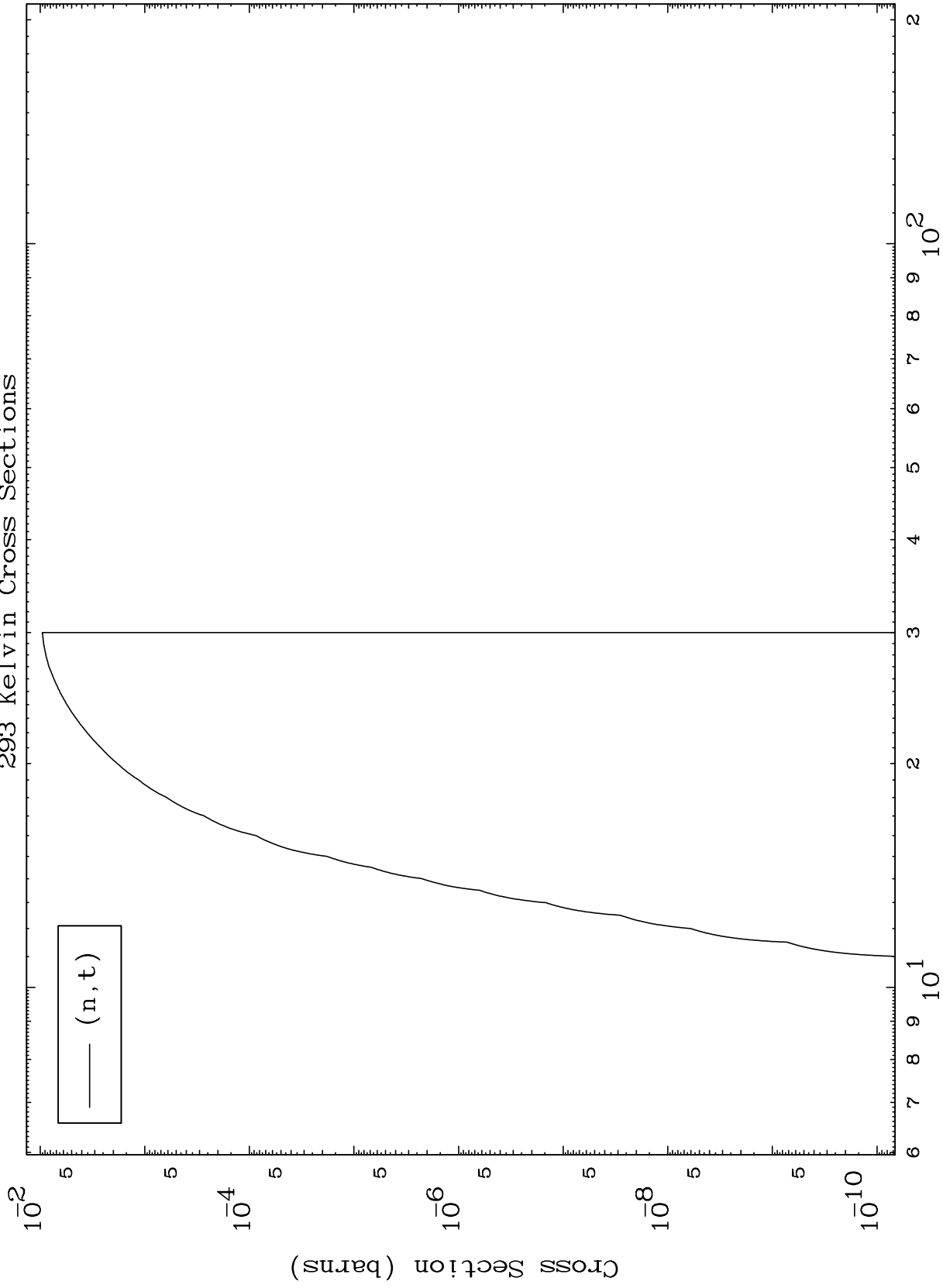
Incident Energy (MeV)

72-Hf-168

MAT 7207

(n,t) Levels  
293 Kelvin Cross Sections

72-Hf-168



12

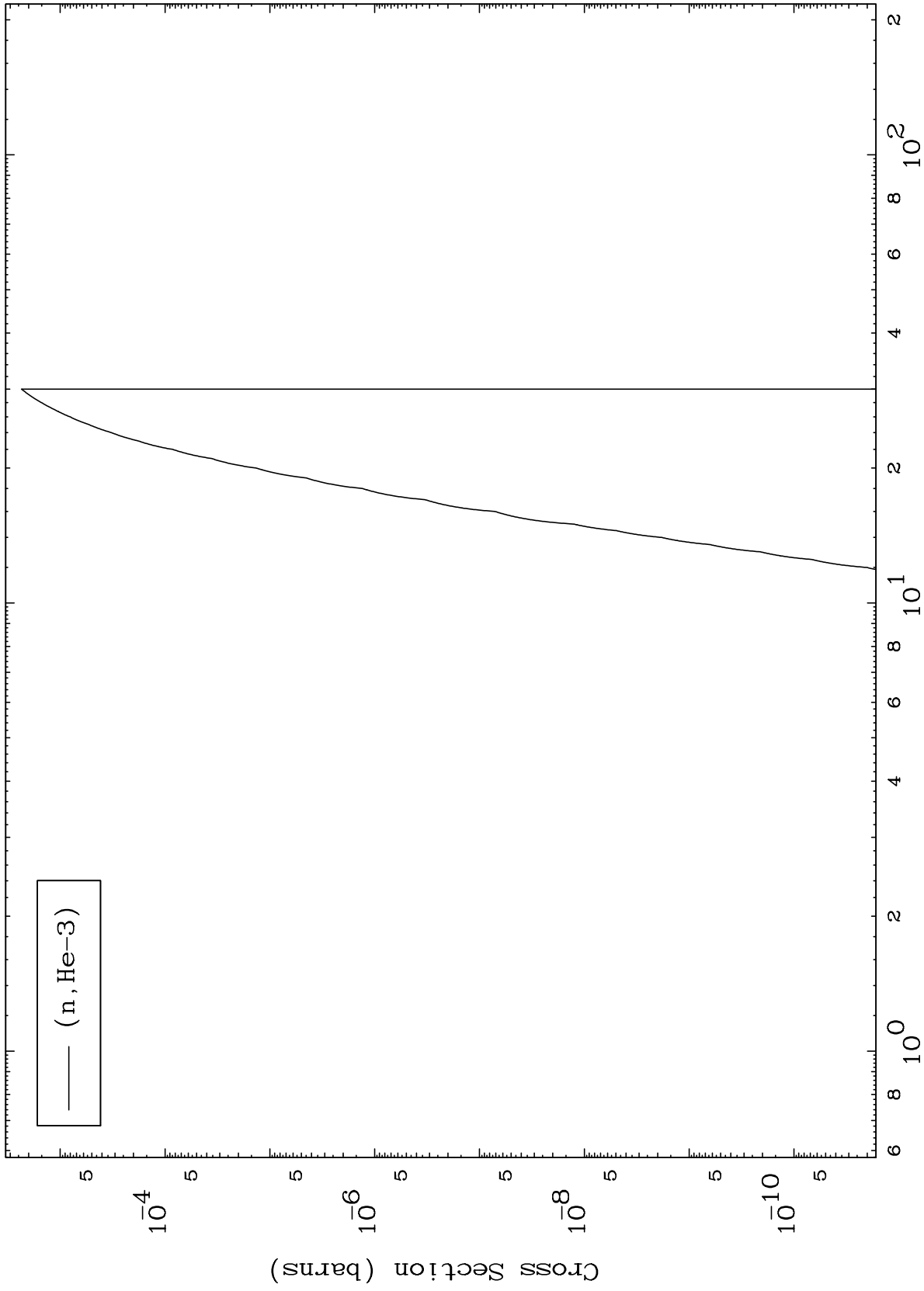
Incident Energy (MeV)

72-Hf-168

MAT 7207

(n,He3) Levels  
293 Kelvin Cross Sections

72-Hf-168



13

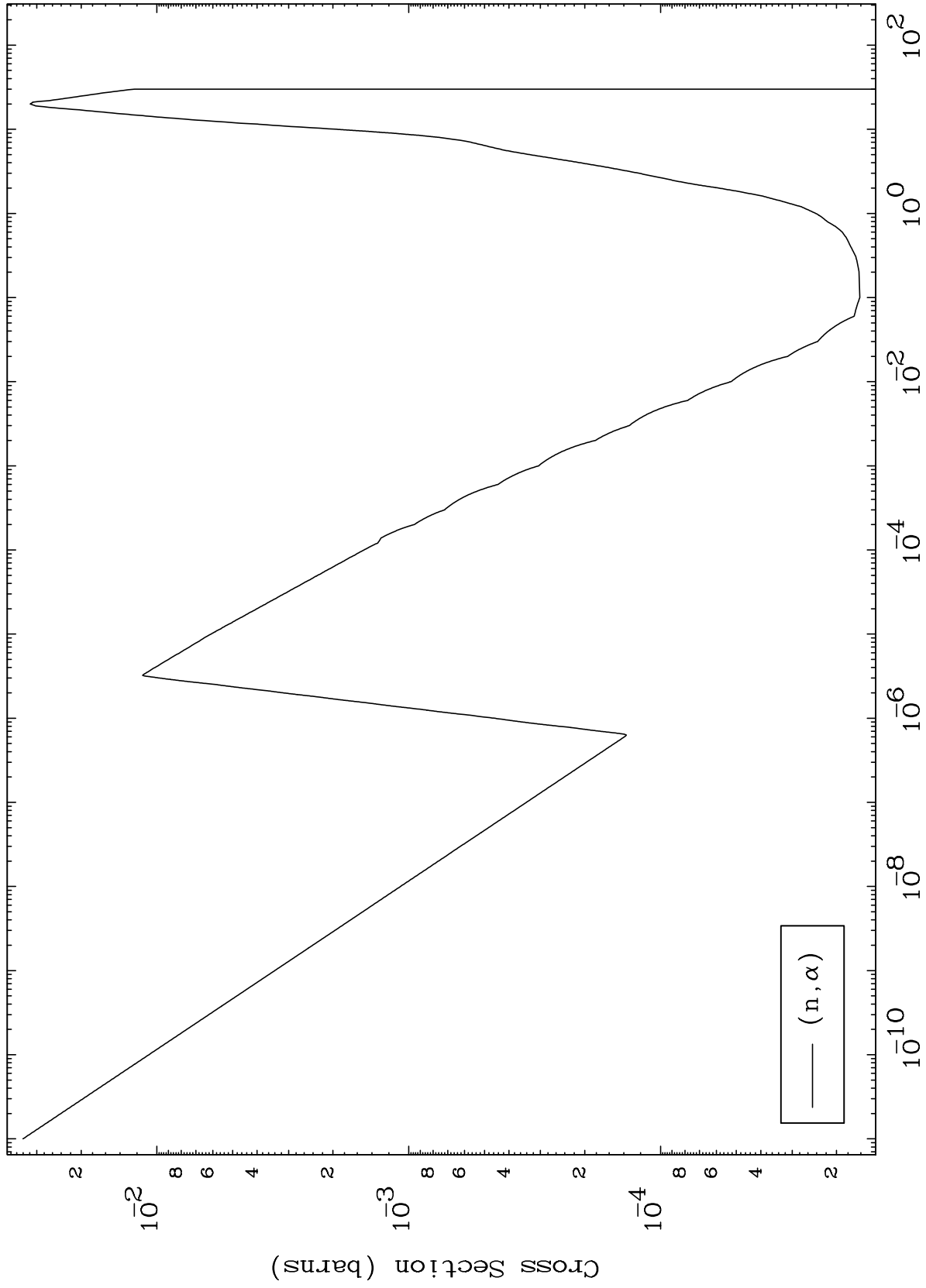
Incident Energy (MeV)

72-Hf-168

MAT 7207

(n,α) Levels  
293 Kelvin Cross Sections

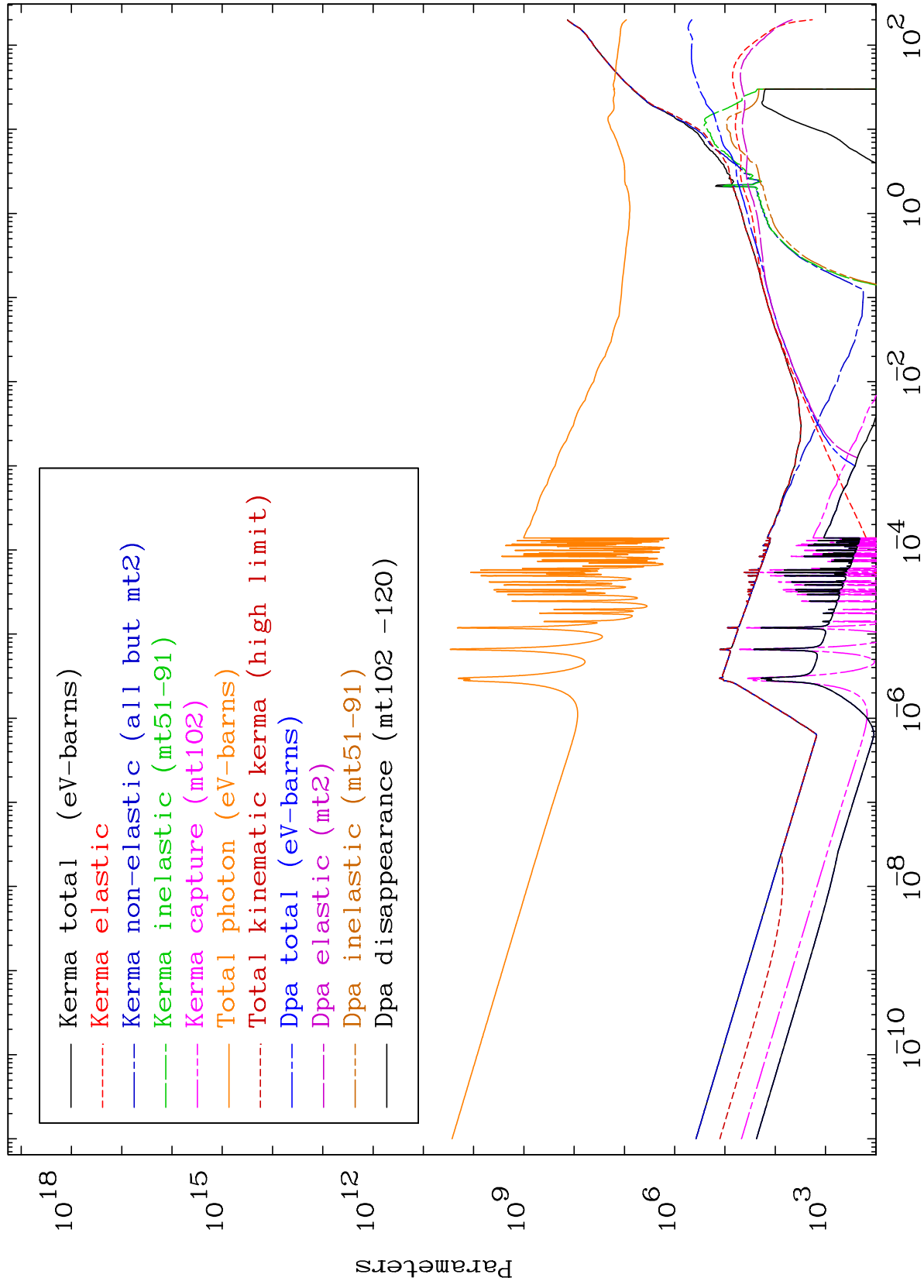
72-Hf-168



14

Incident Energy (MeV)

72-Hf-168

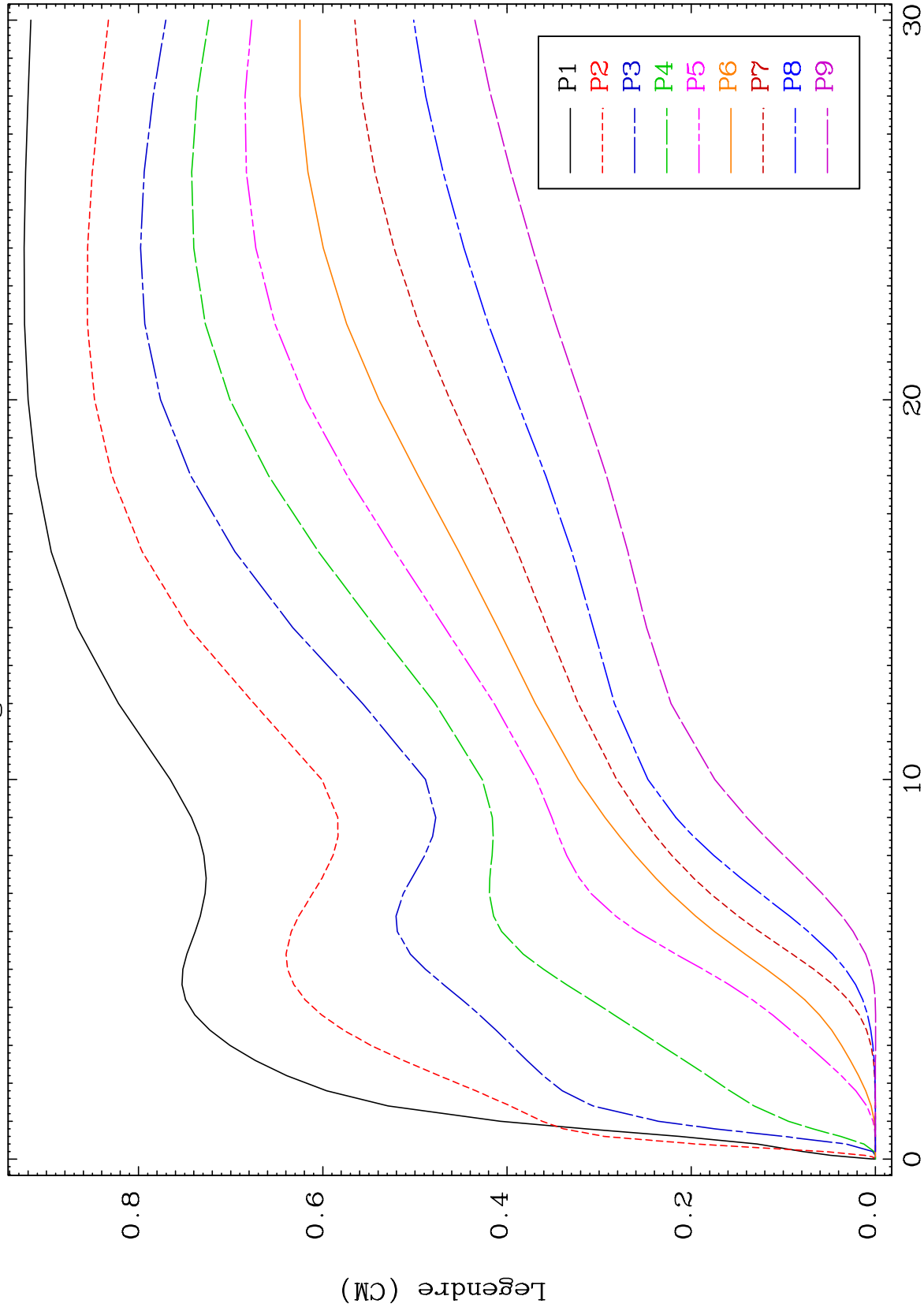




MAT 7207

Elastic Legendre Coefficients

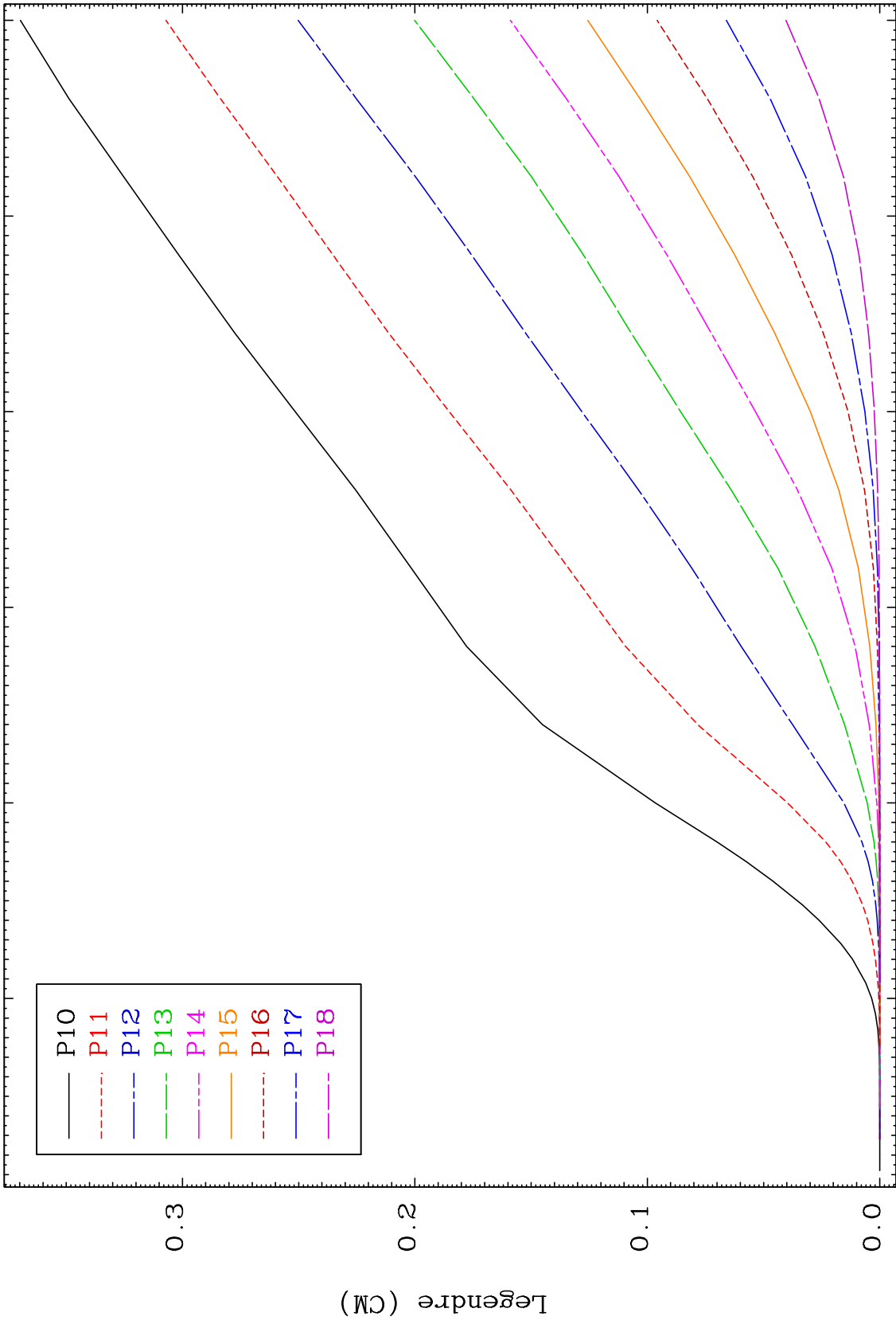
72-Hf-168



16

Incident Energy (MeV)

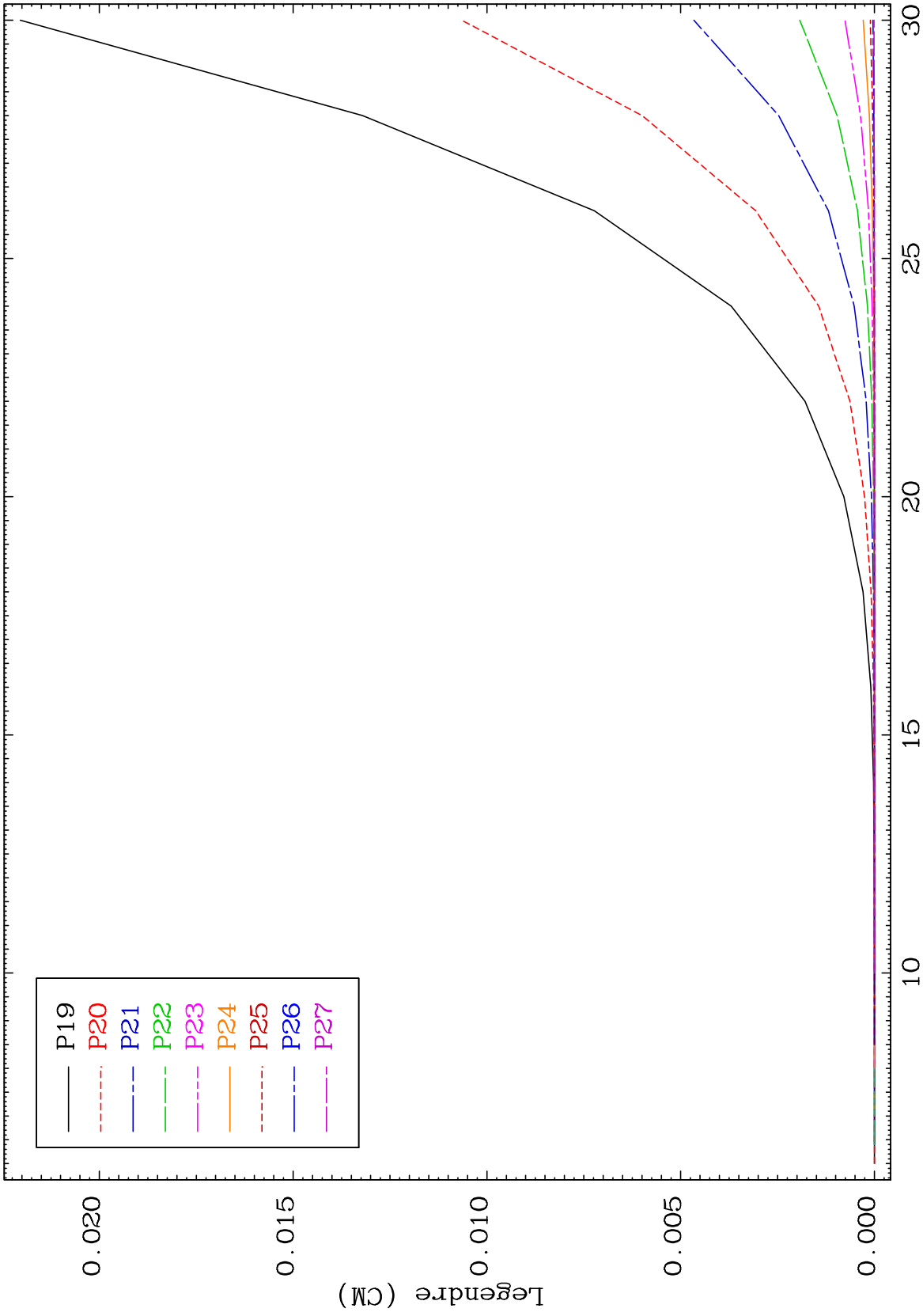
72-Hf-168



MAT 7207

### Elastic Legendre Coefficients

72-Hf-168



18

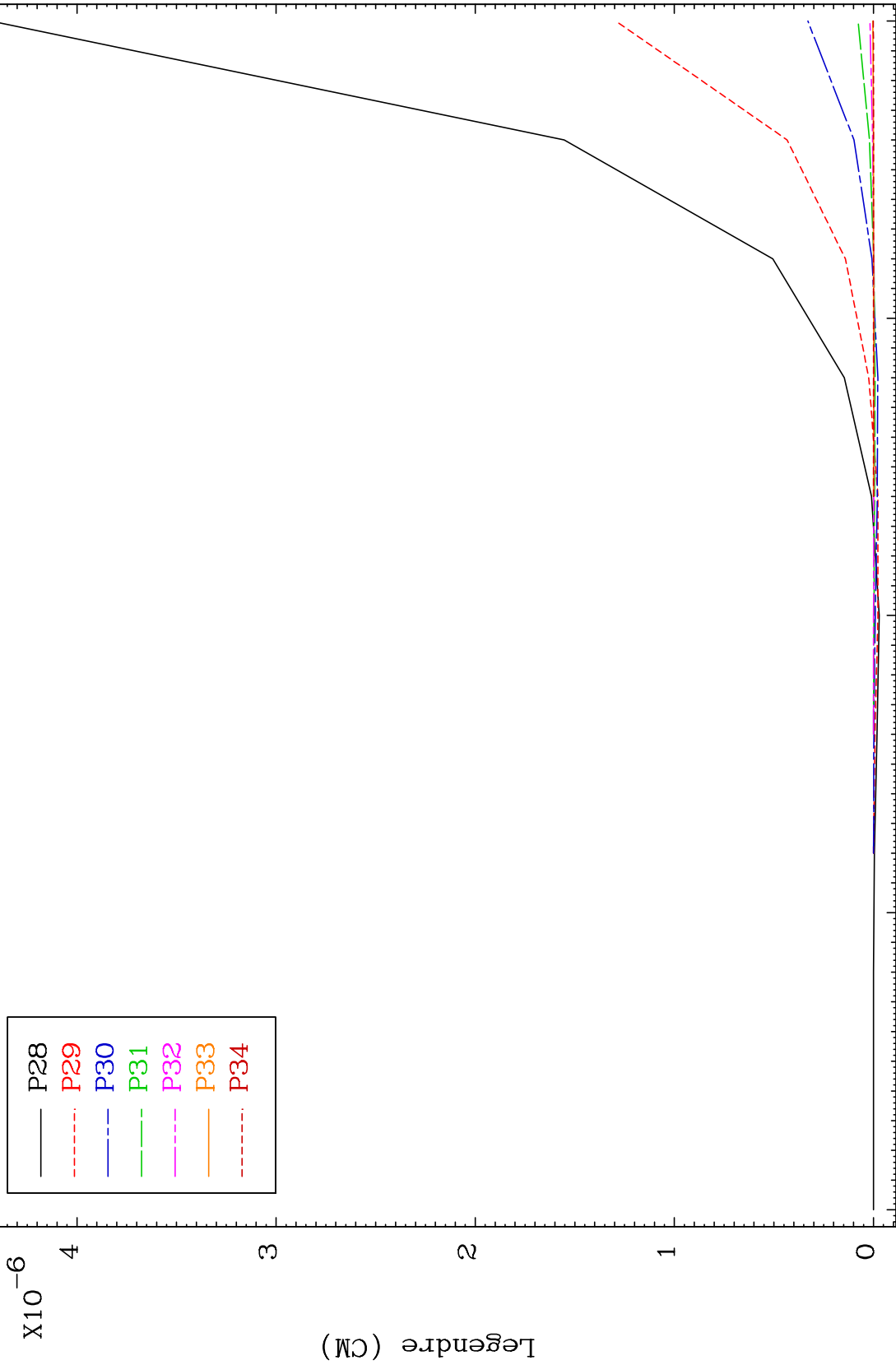
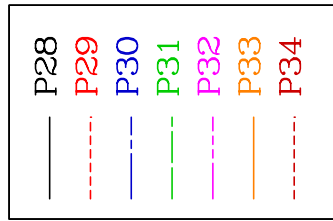
Incident Energy (MeV)

72-Hf-168

MAT 7207

Elastic Legendre Coefficients

72-Hf-168



19

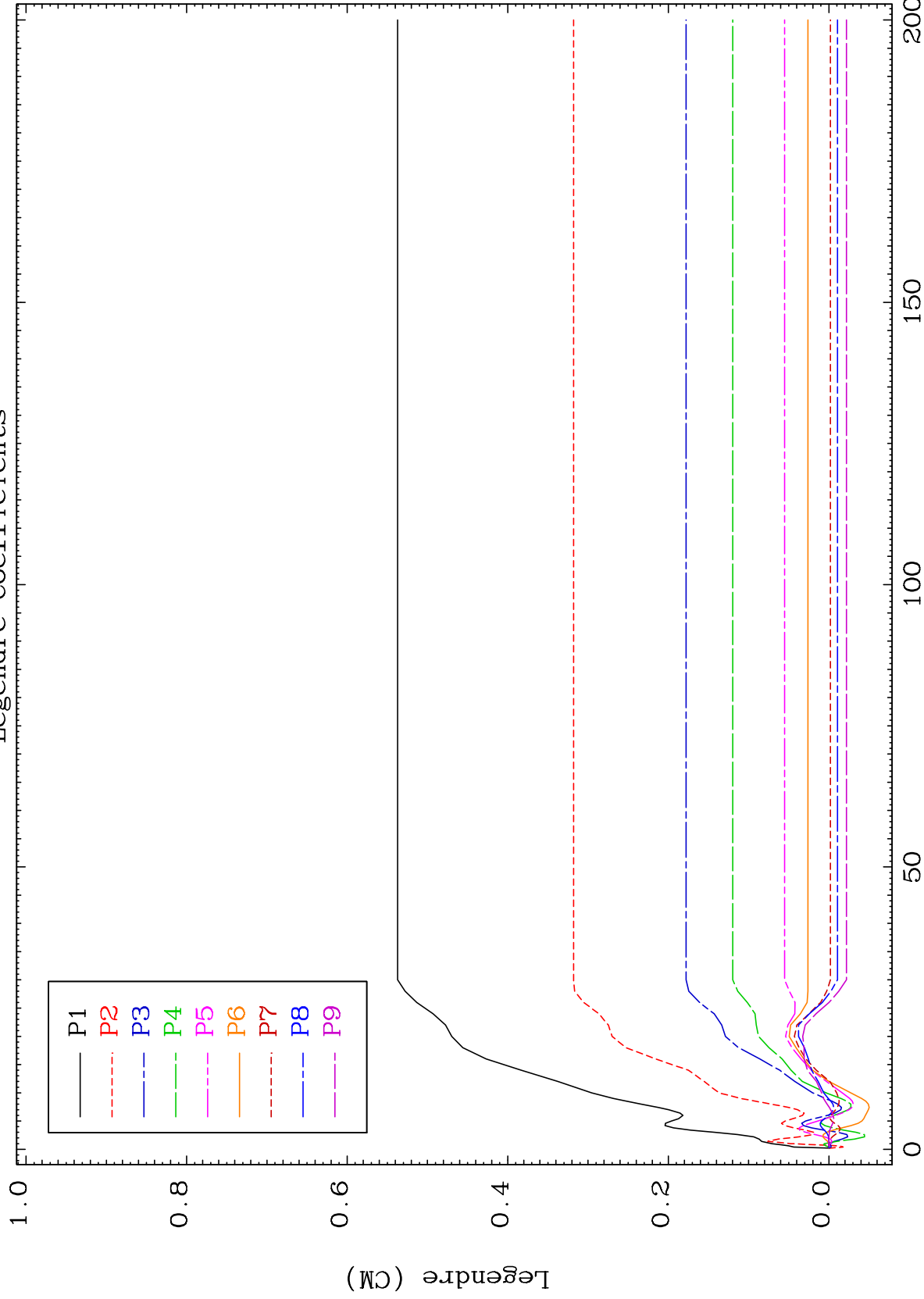
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



20

Incident Energy (MeV)

50

100

150

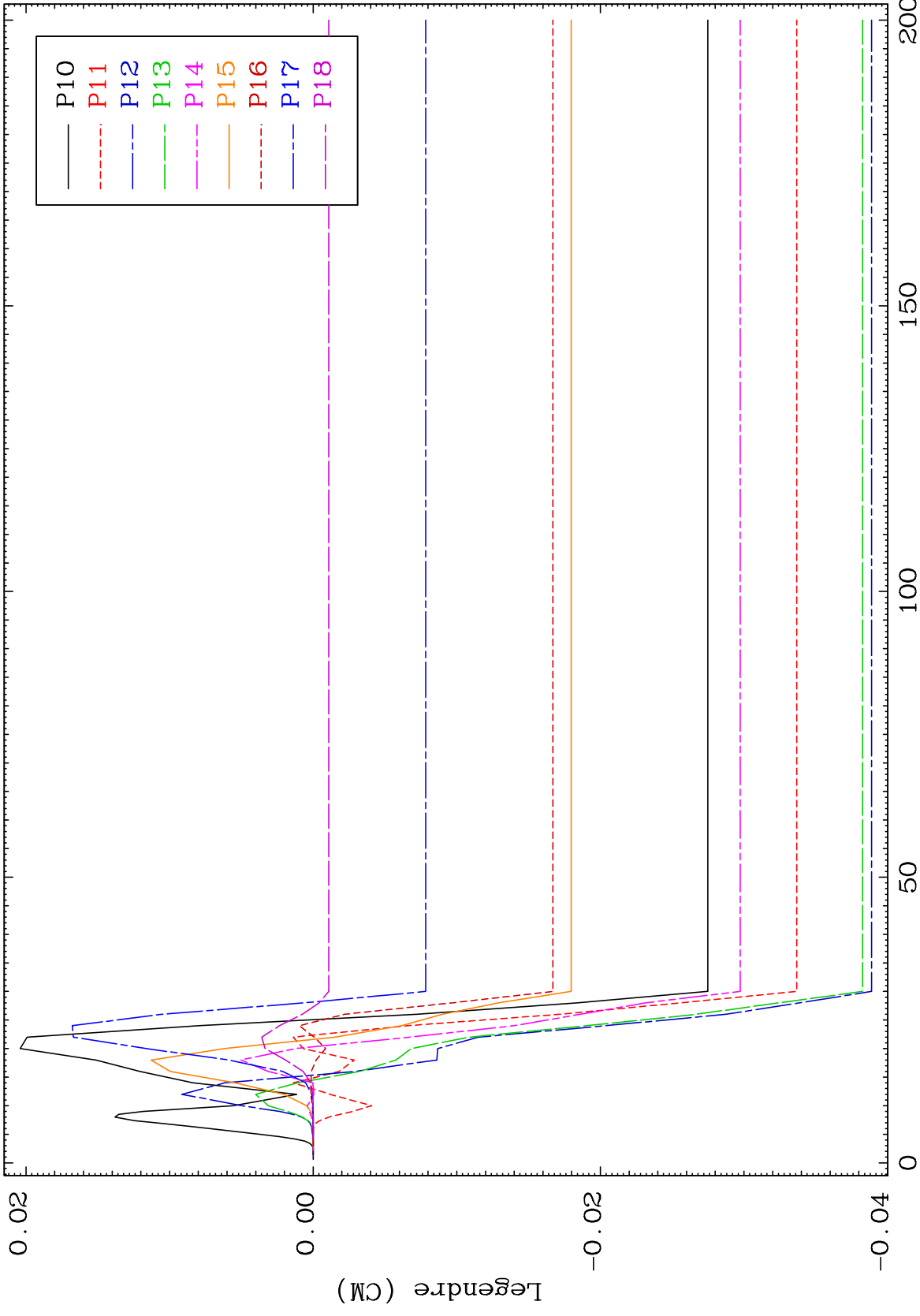
200

72-Hf-168

MAT 7207

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

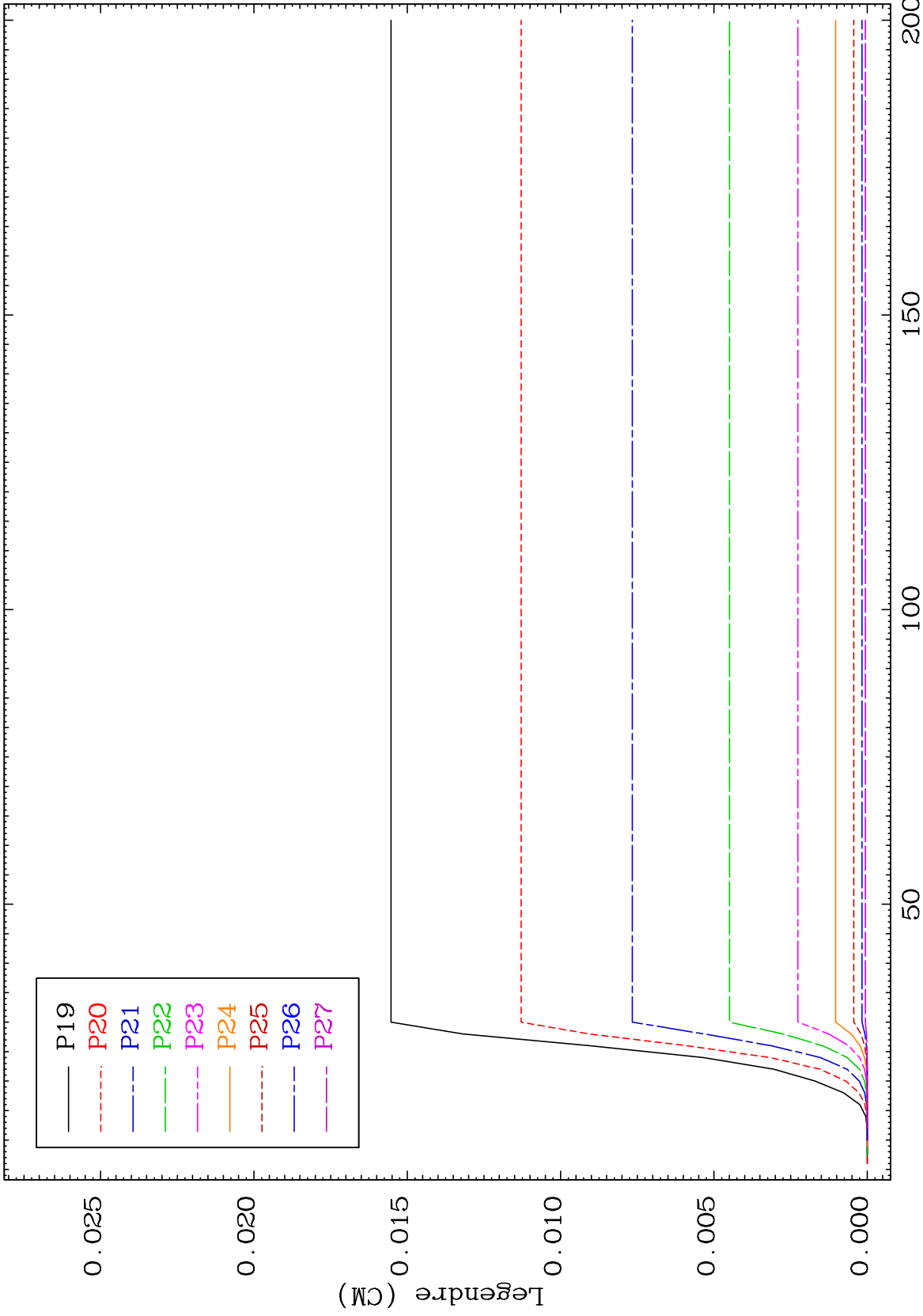
72-Hf-168



21

Incident Energy (MeV)

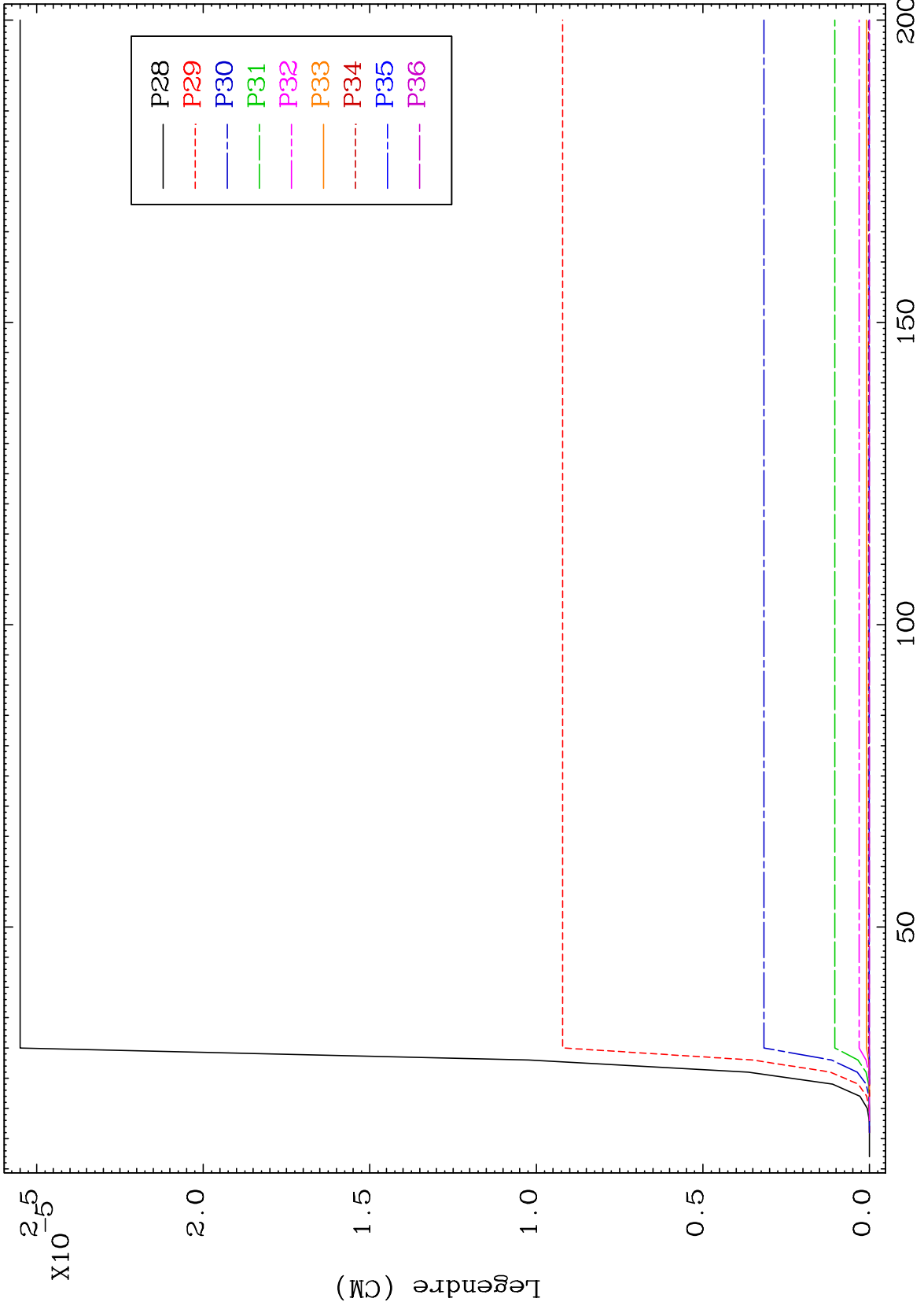
72-Hf-168



MAT 7207

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

72-Hf-168



23

Incident Energy (MeV)

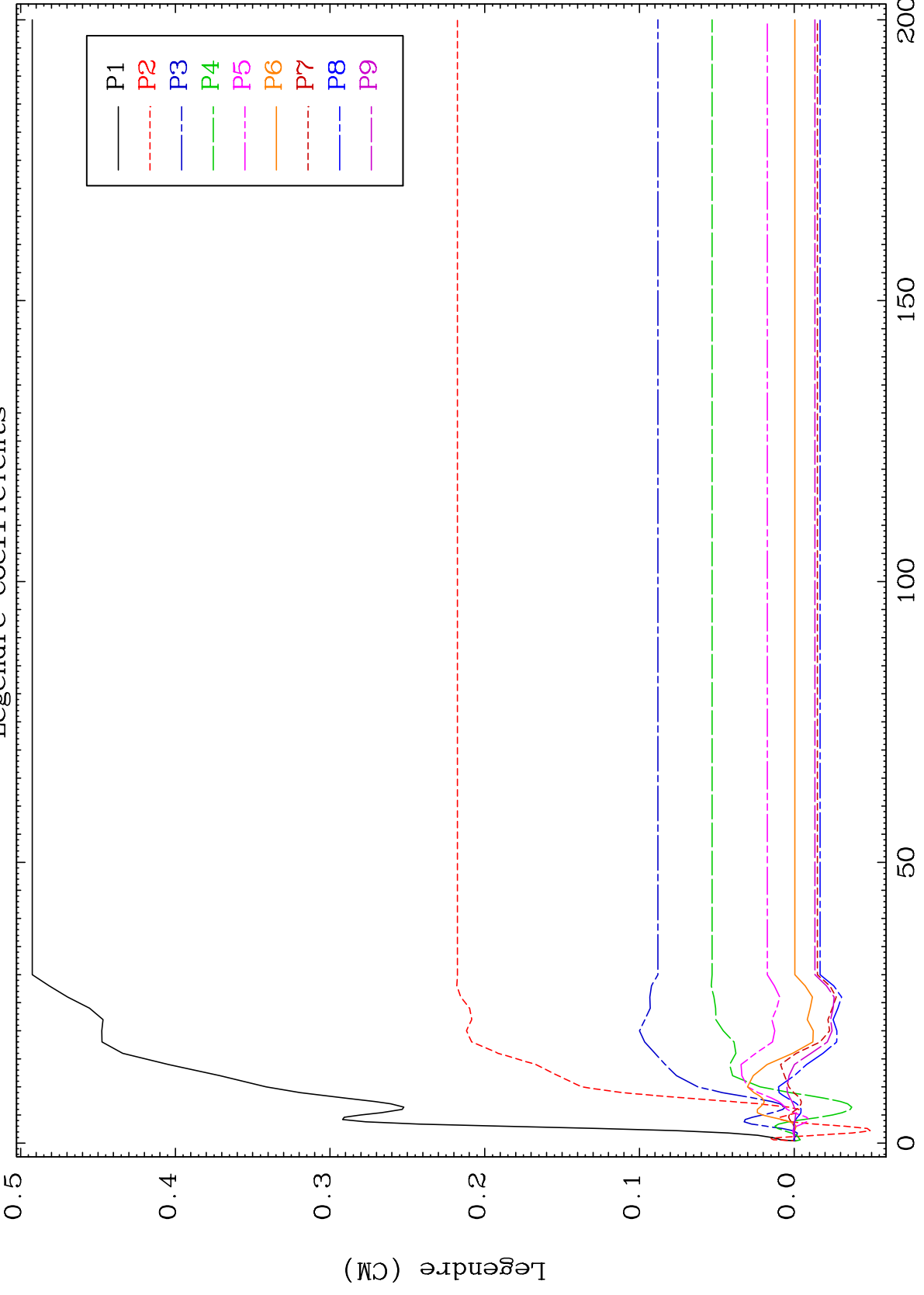
72-Hf-168



MAT 7207

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

72-Hf-168



24

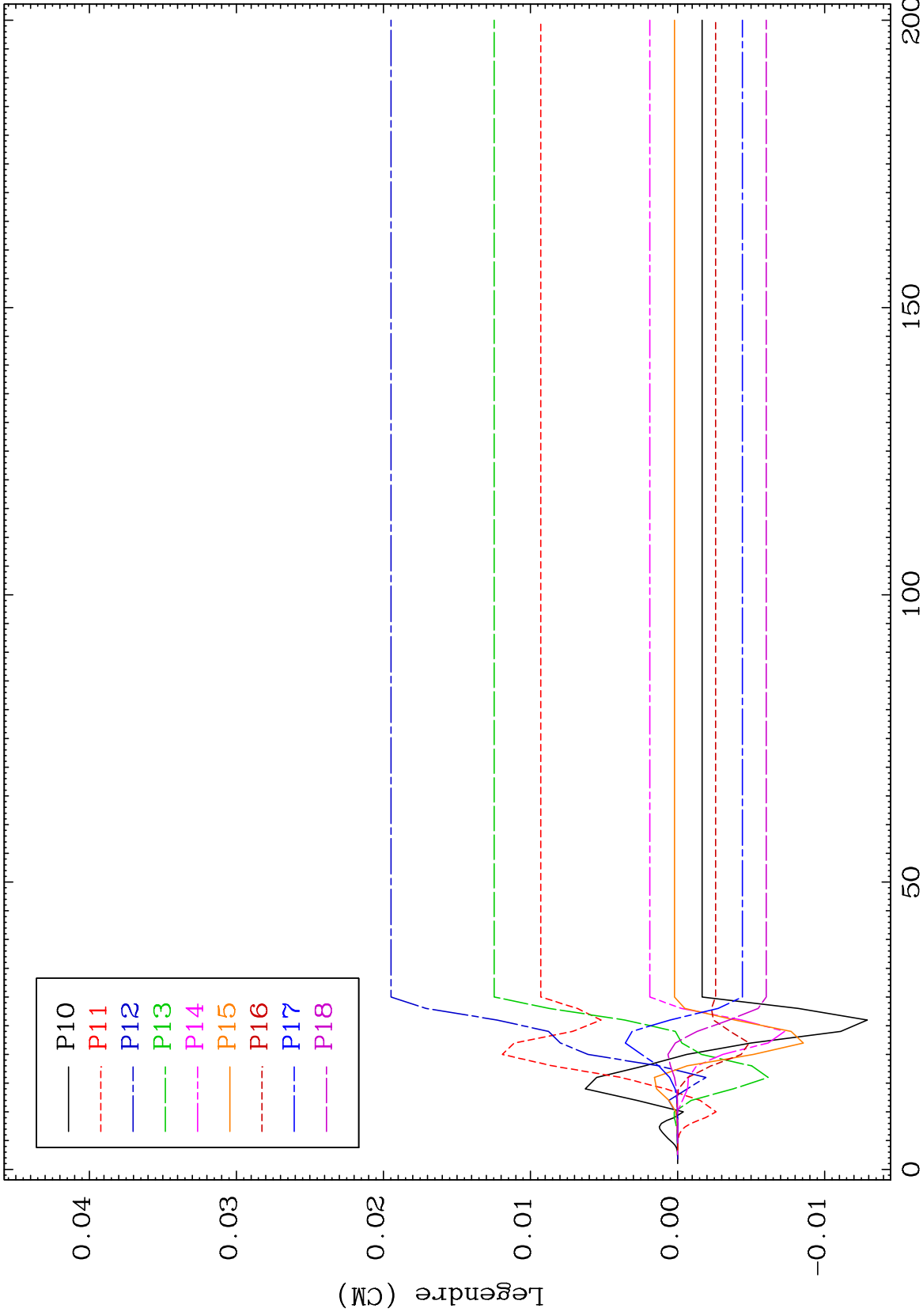
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



25

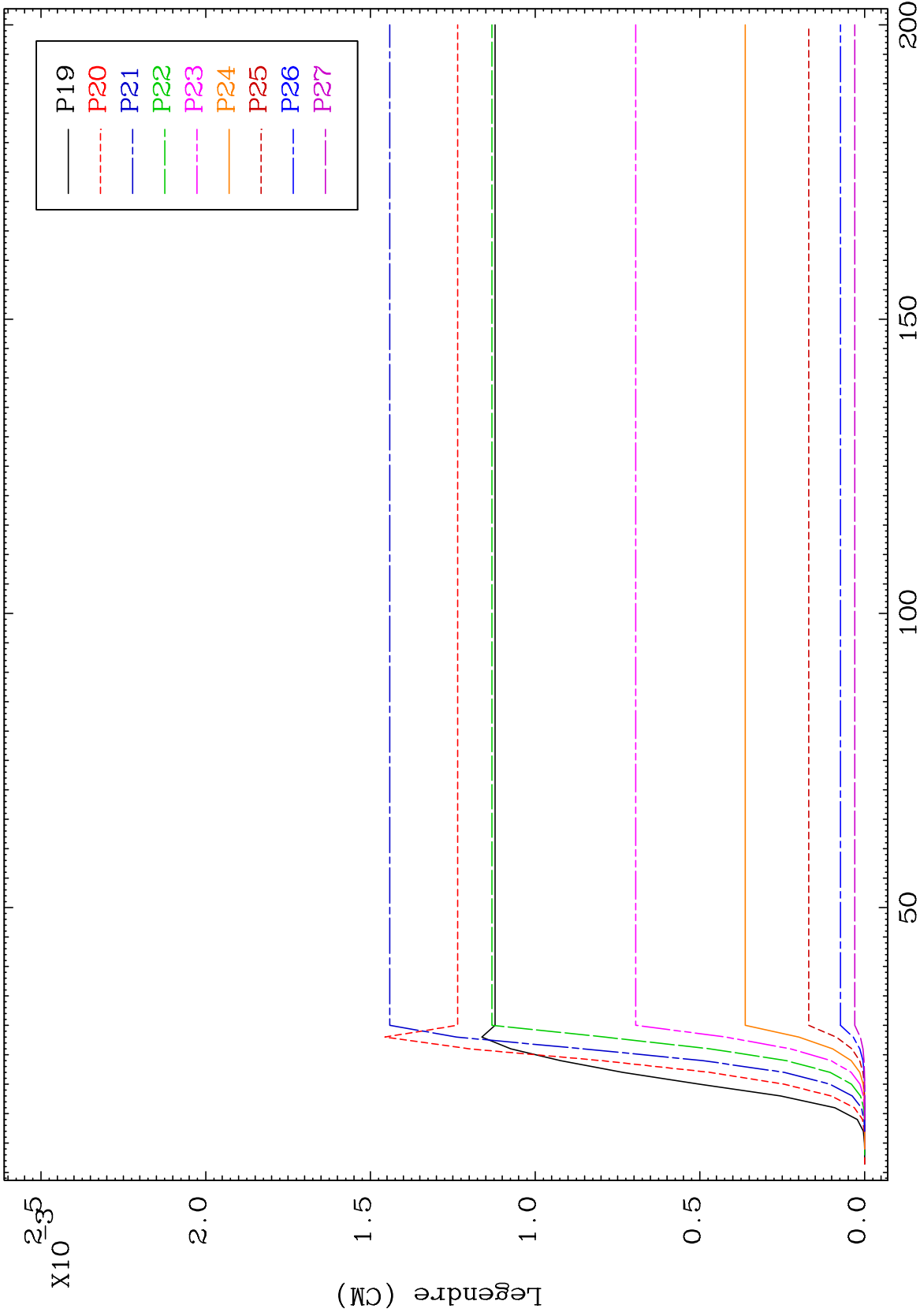
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



26

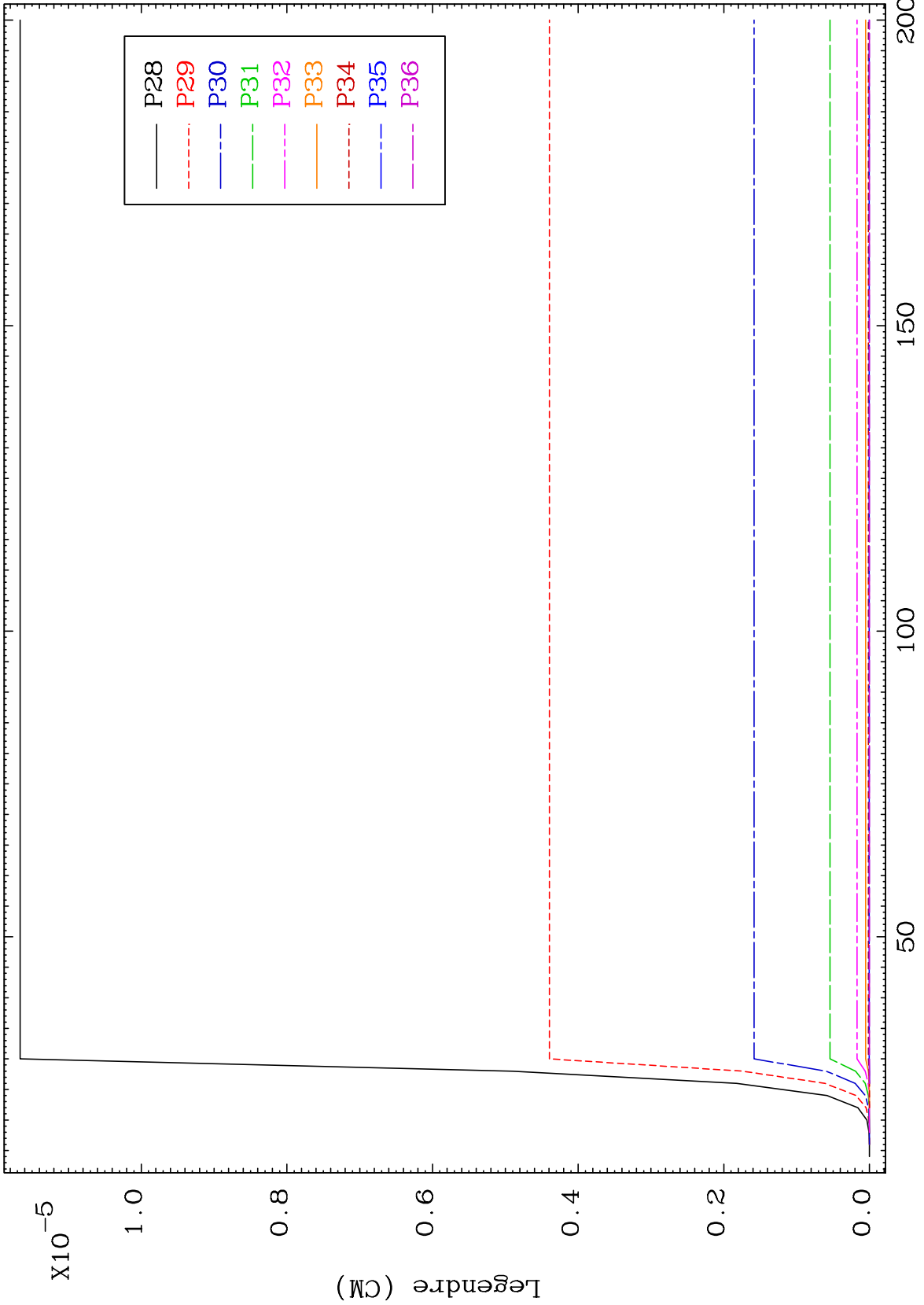
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



27

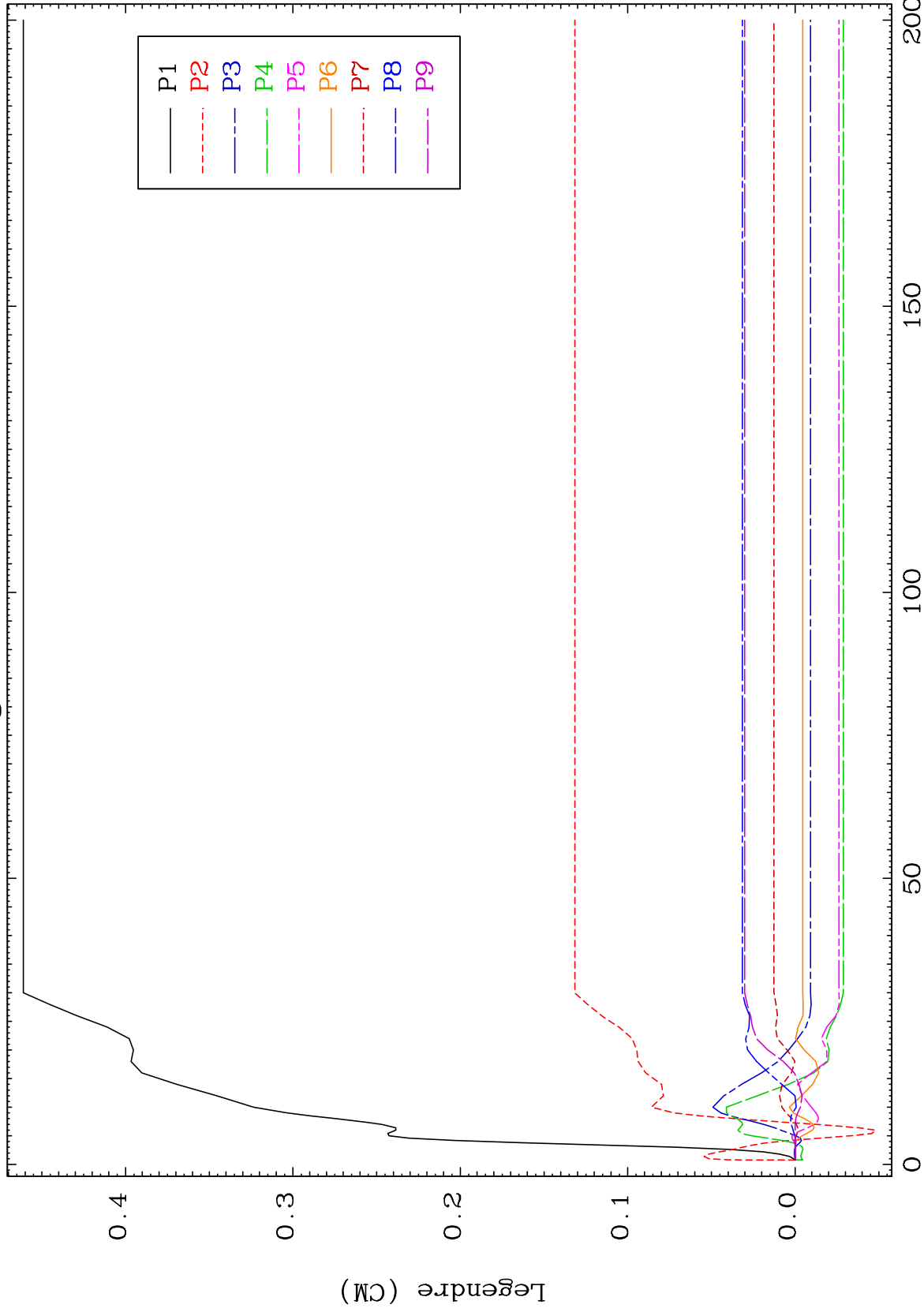
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



28

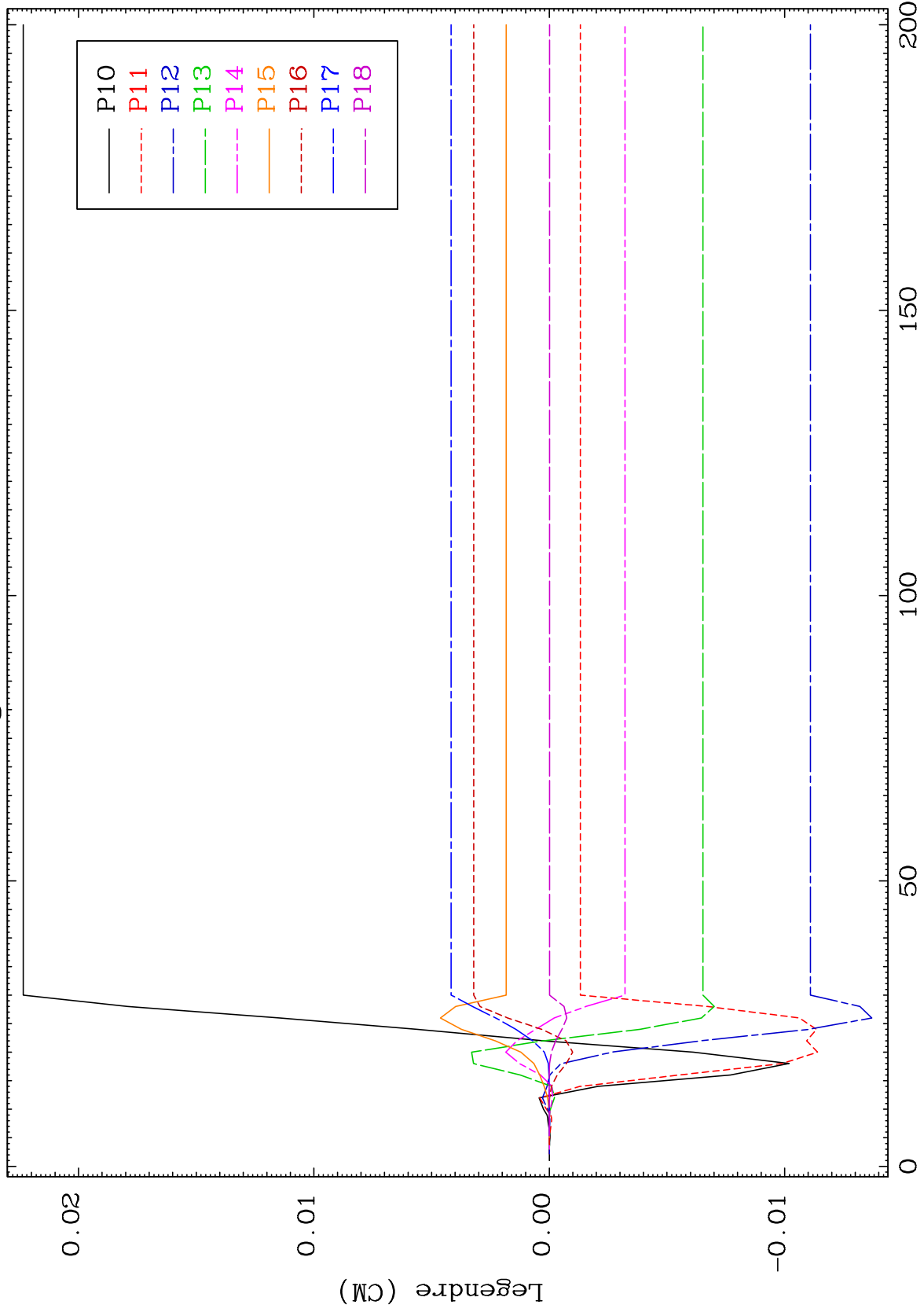
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



29

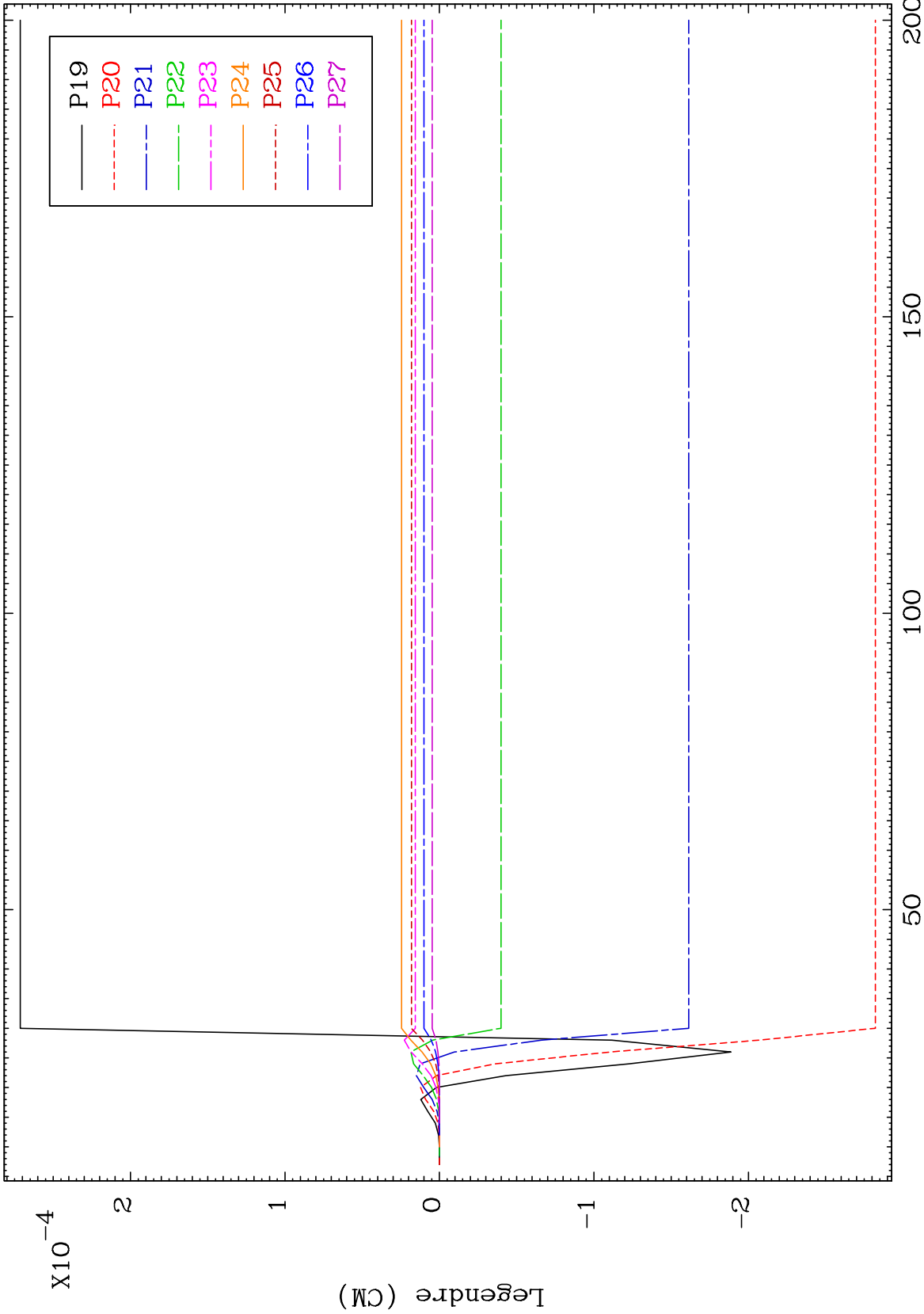
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

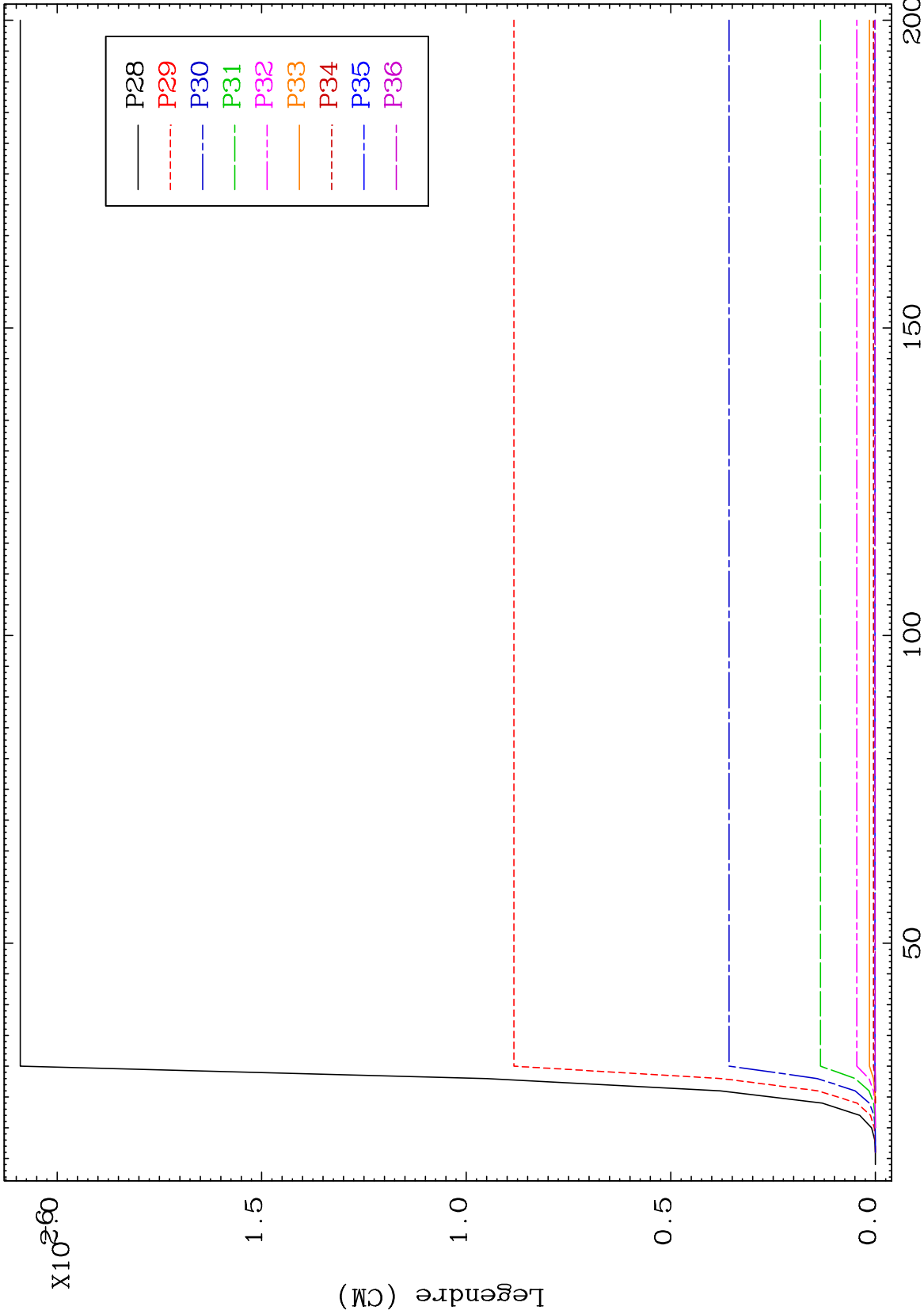
72-Hf-168



30

Incident Energy (MeV)

72-Hf-168

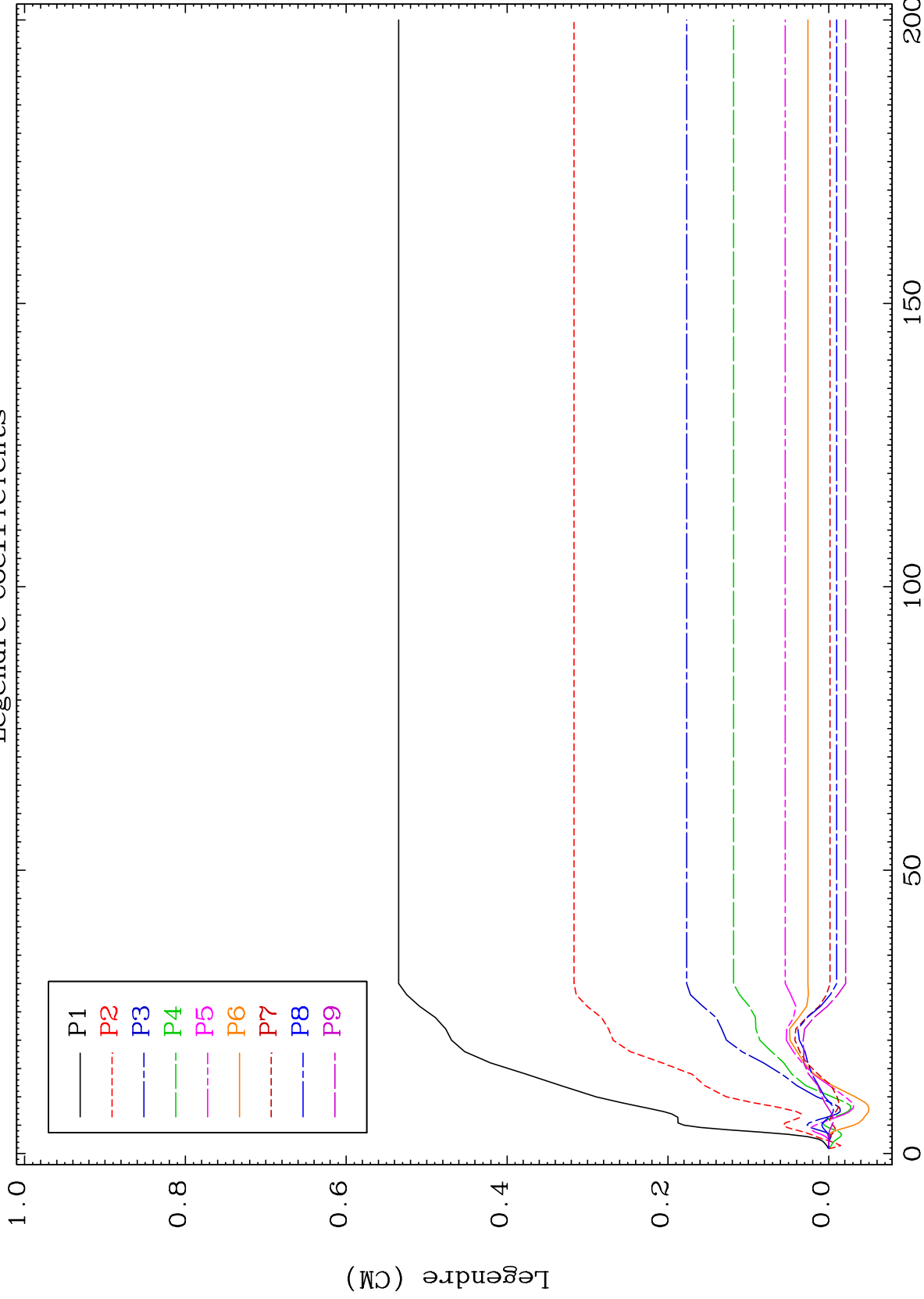




MAT 7207

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

72-Hf-168



32

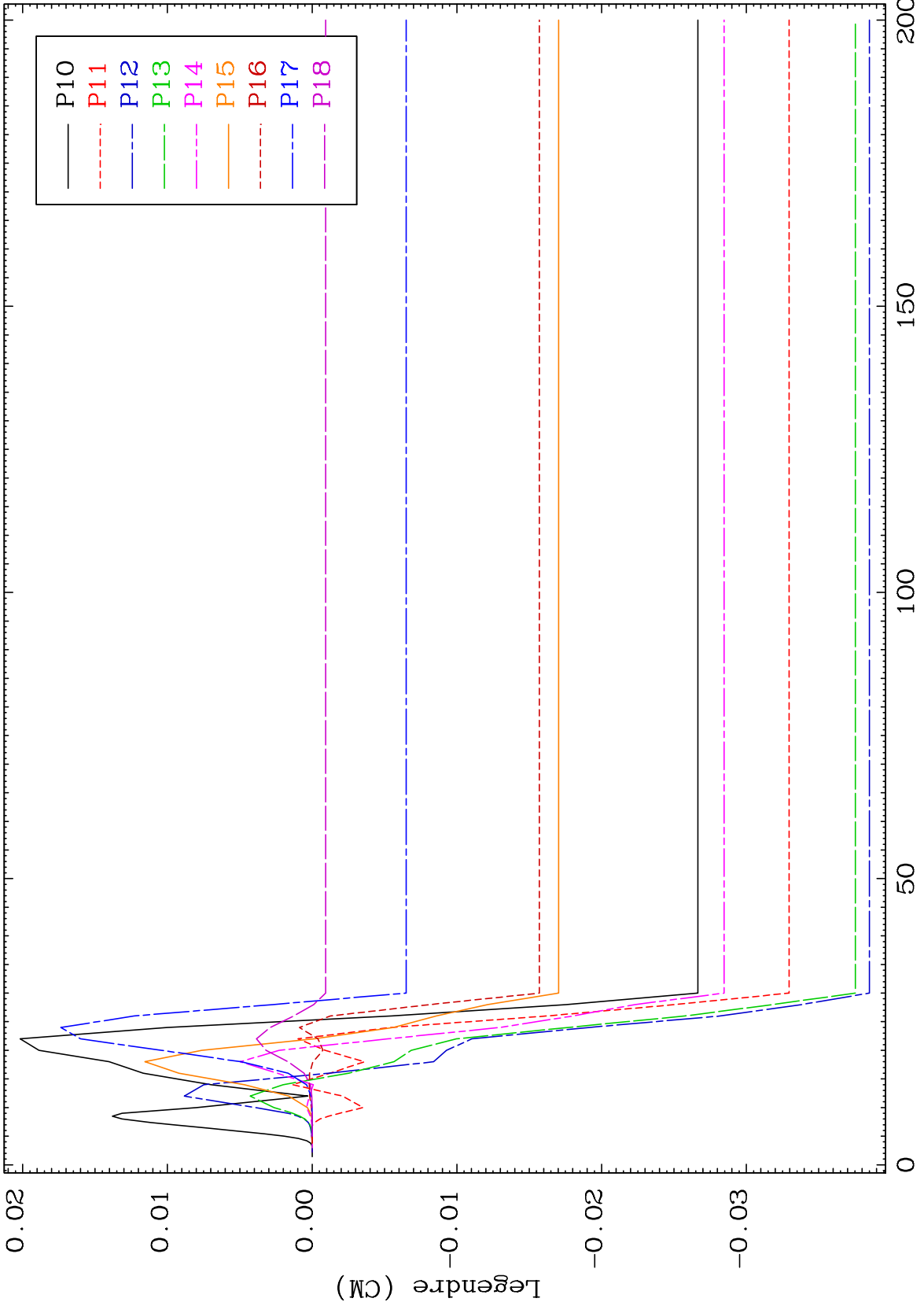
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

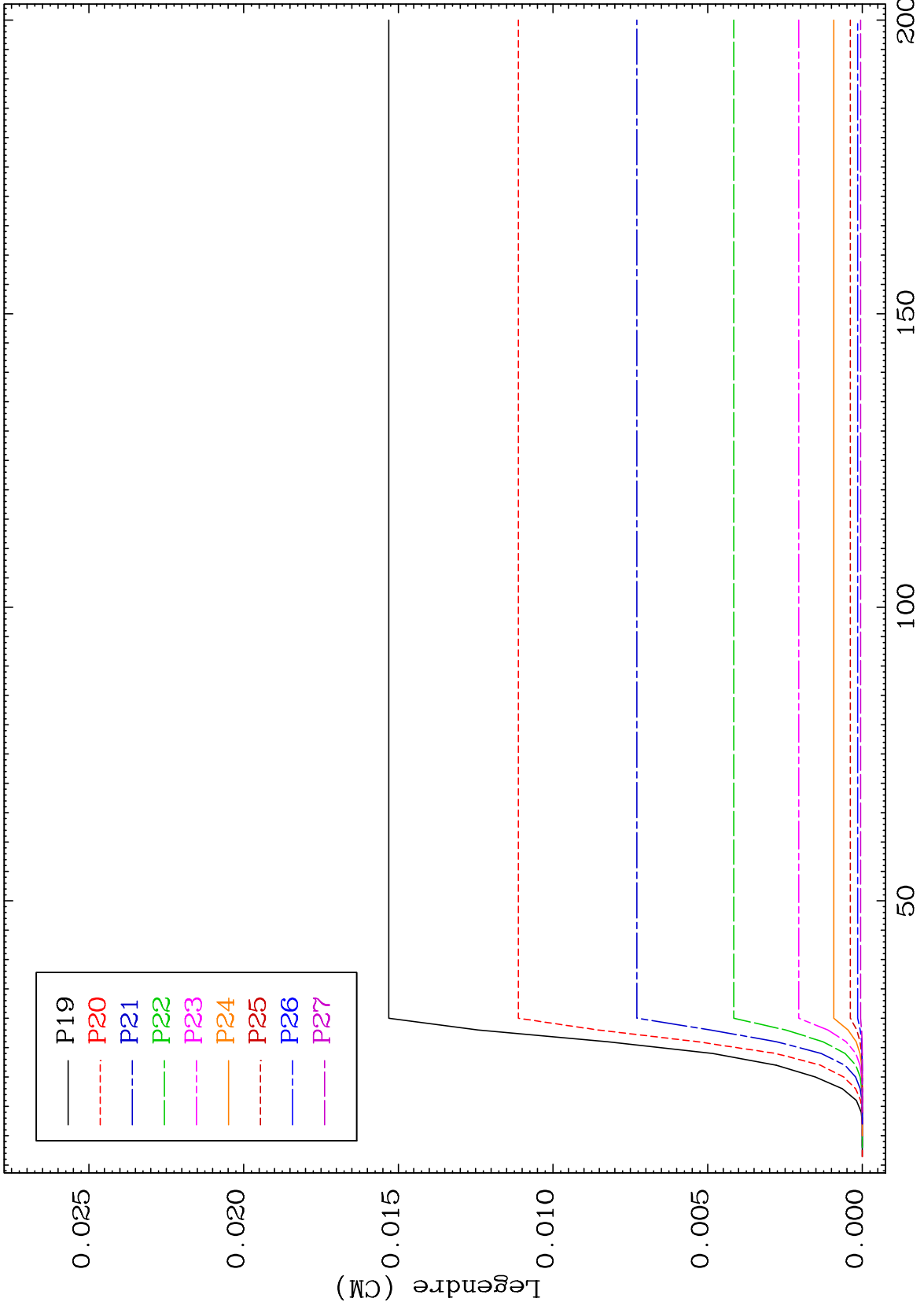
72-Hf-168



33

Incident Energy (MeV)

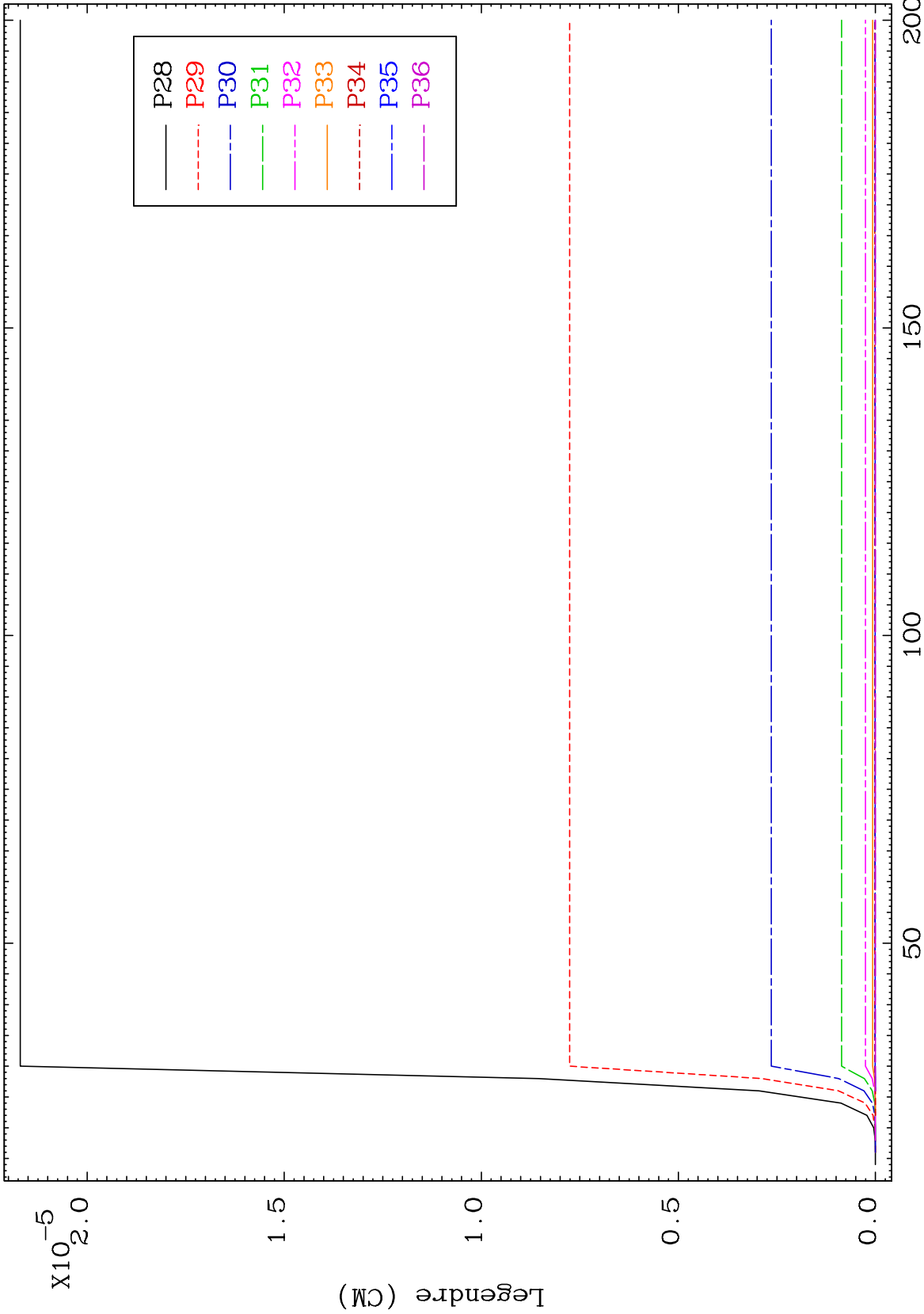
72-Hf-168



MAT 7207

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

72-Hf-168



35

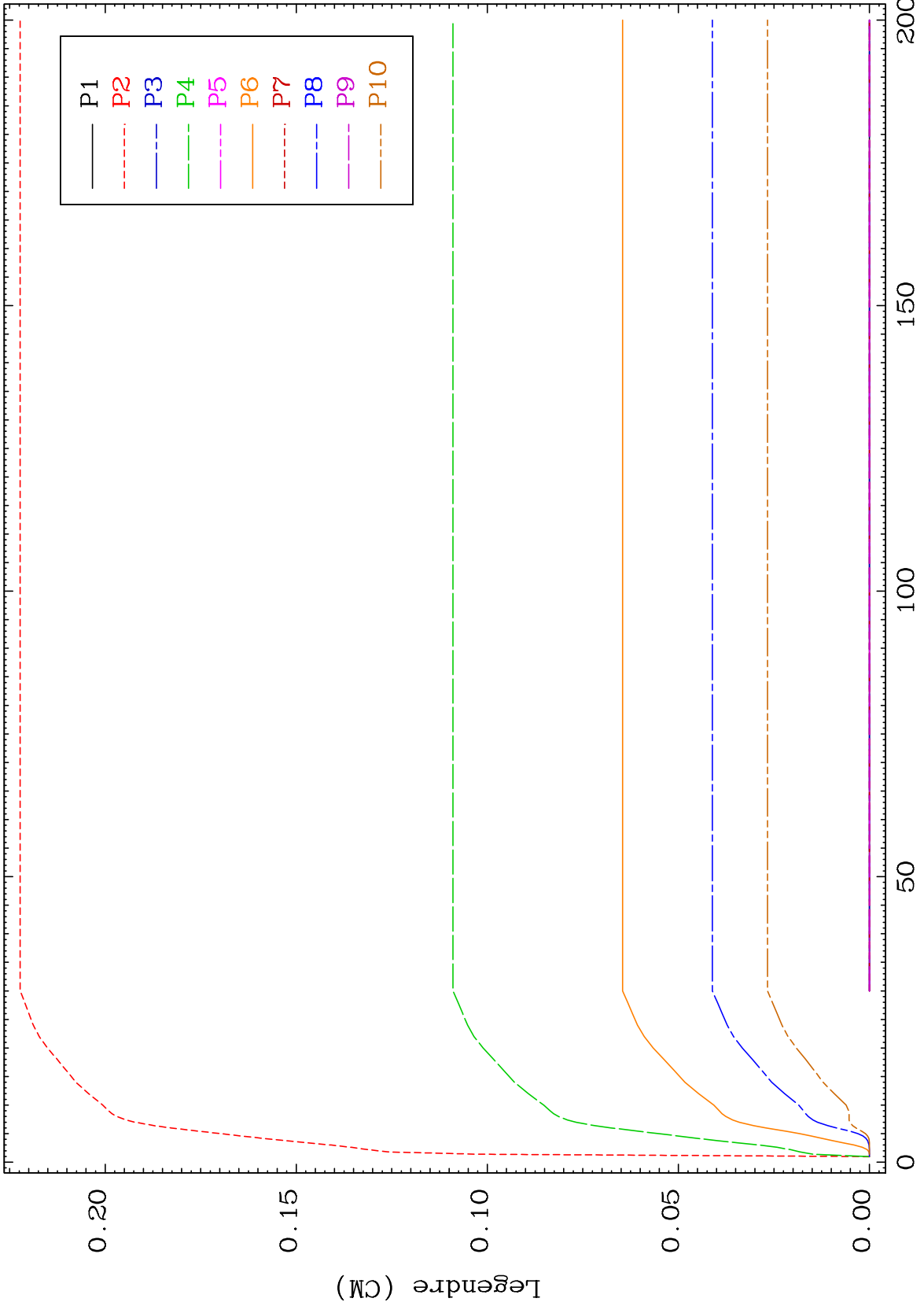
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

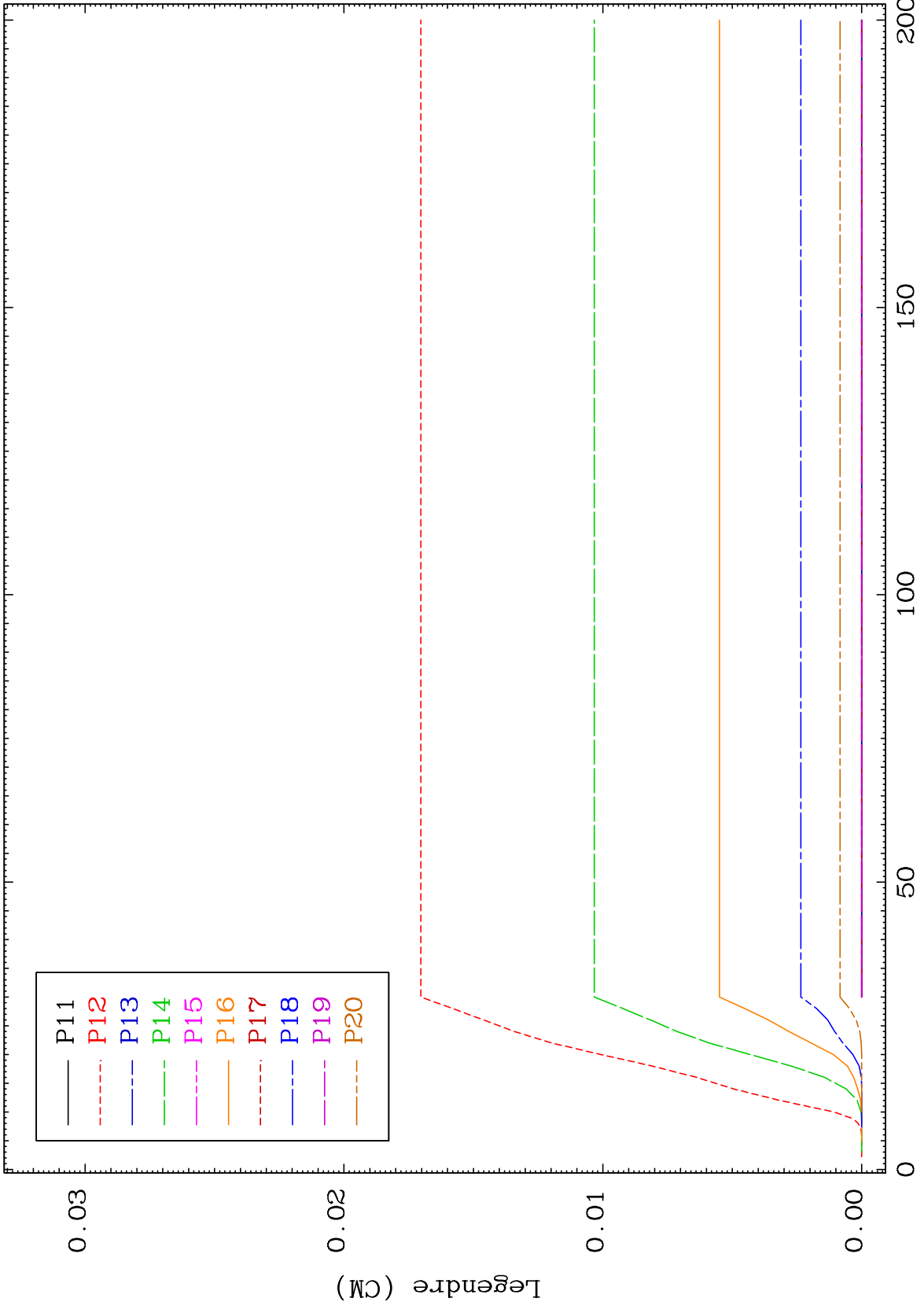
72-Hf-168



36

Incident Energy (MeV)

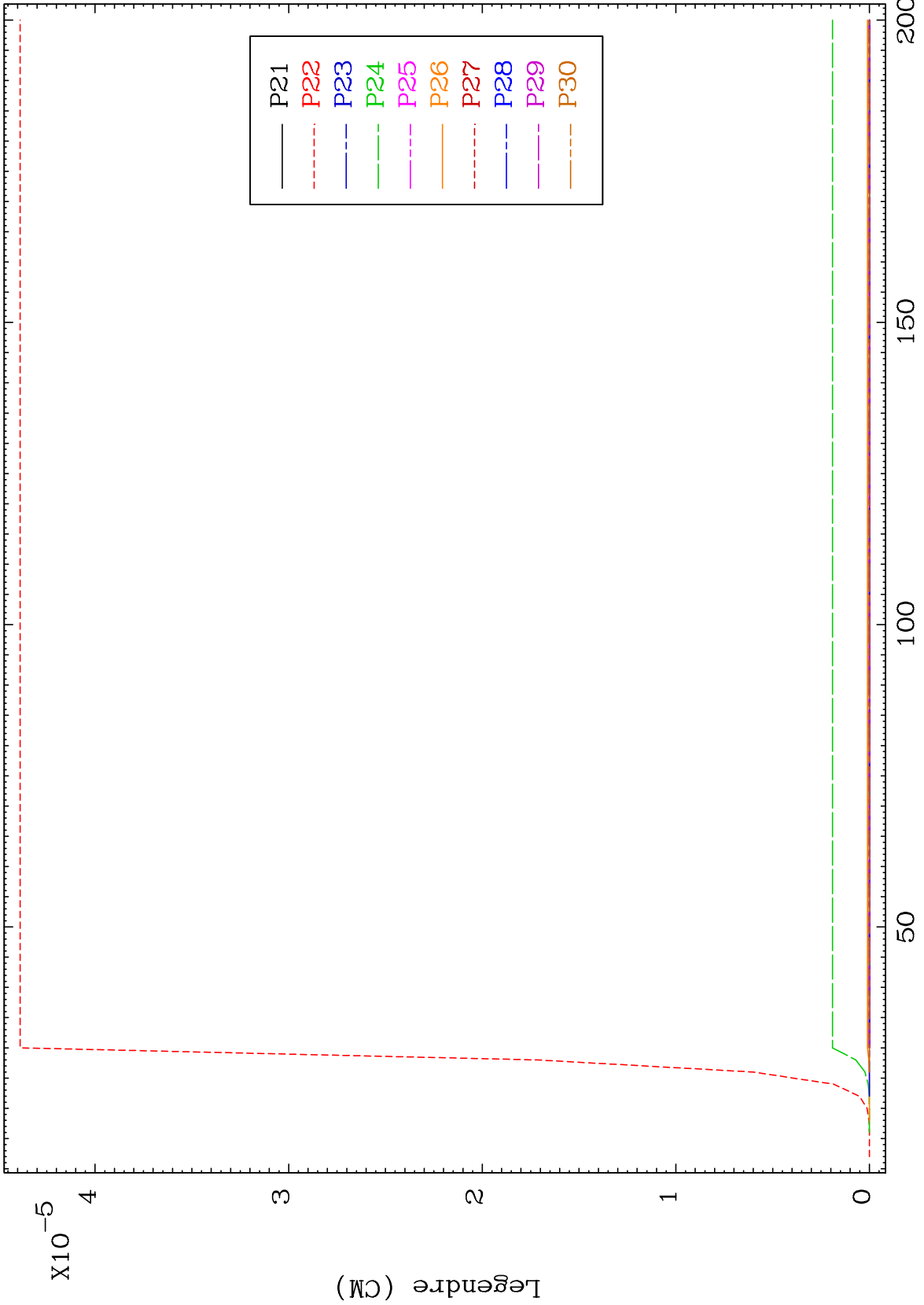
72-Hf-168



MAT 7207

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

72-Hf-168



38

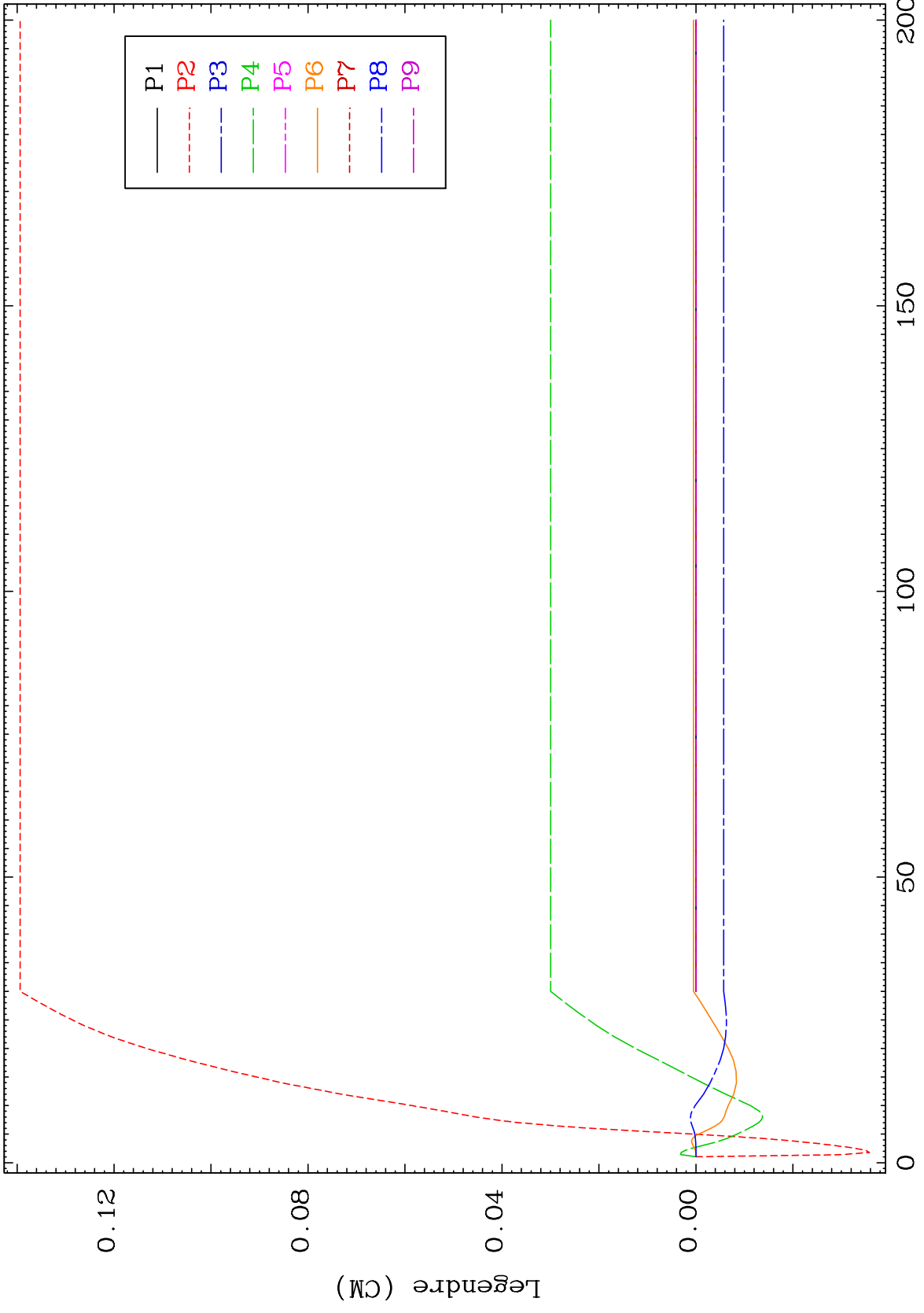
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



39

Incident Energy (MeV)

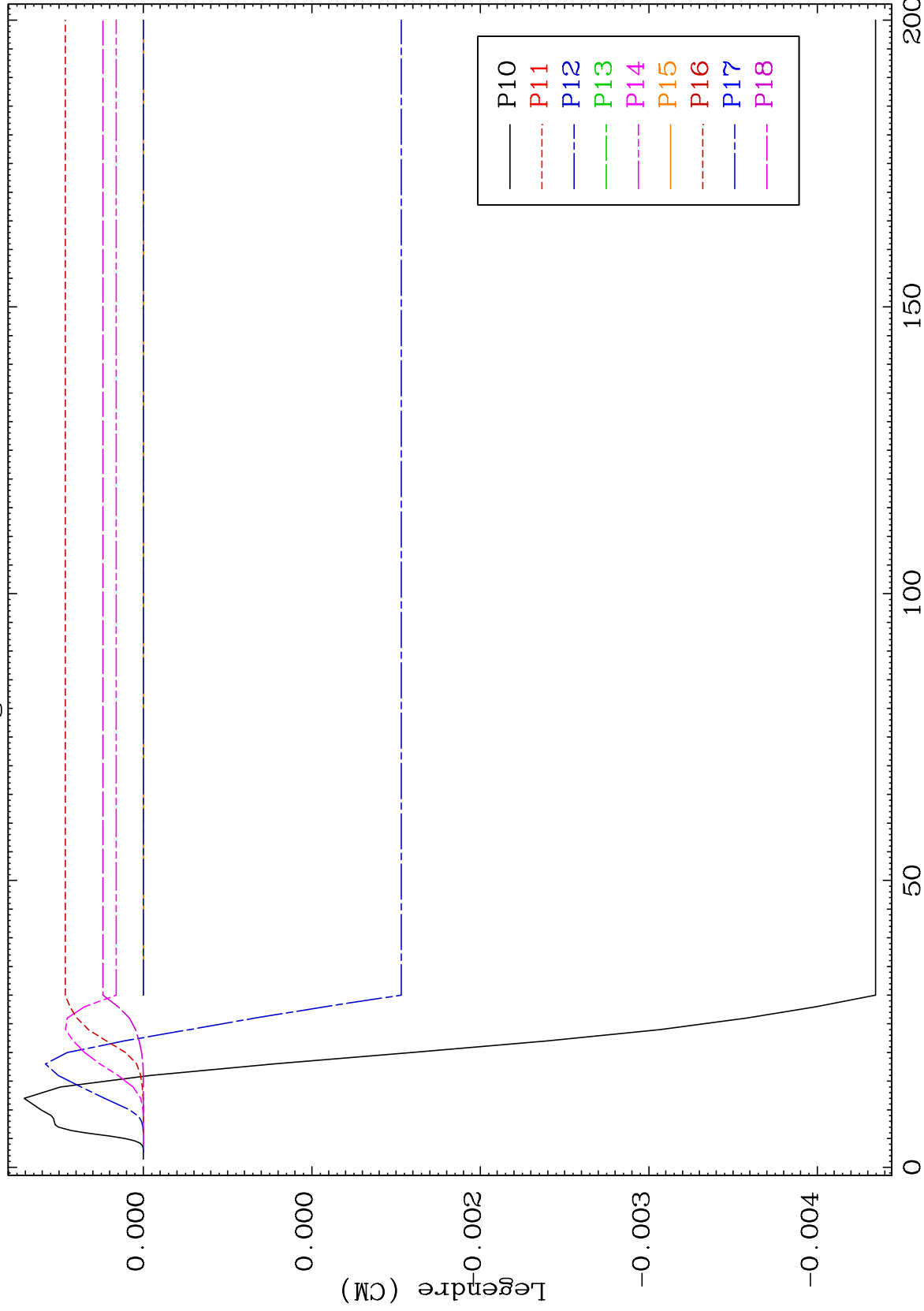
72-Hf-168



MAT 7207

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

72-Hf-168



40

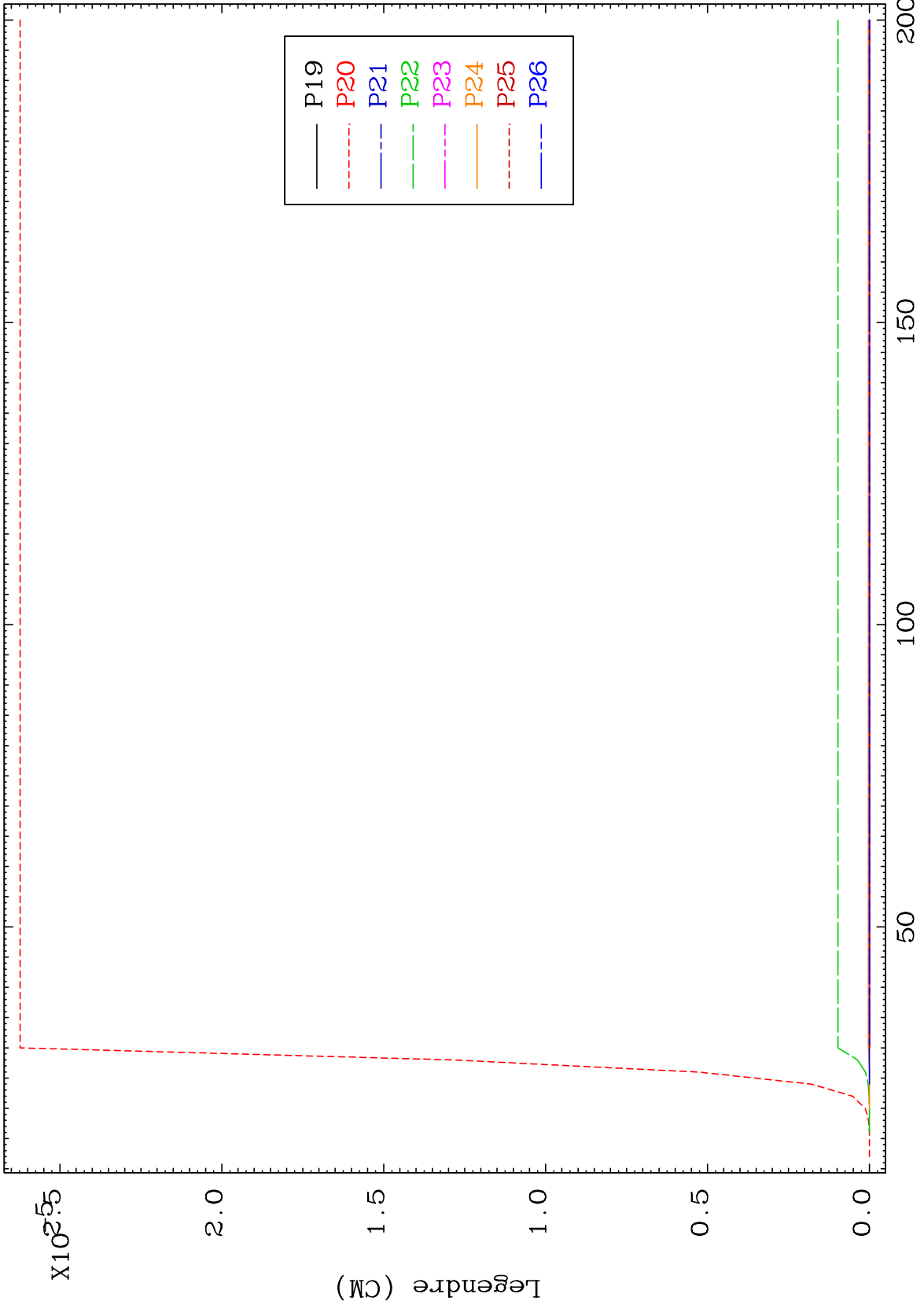
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



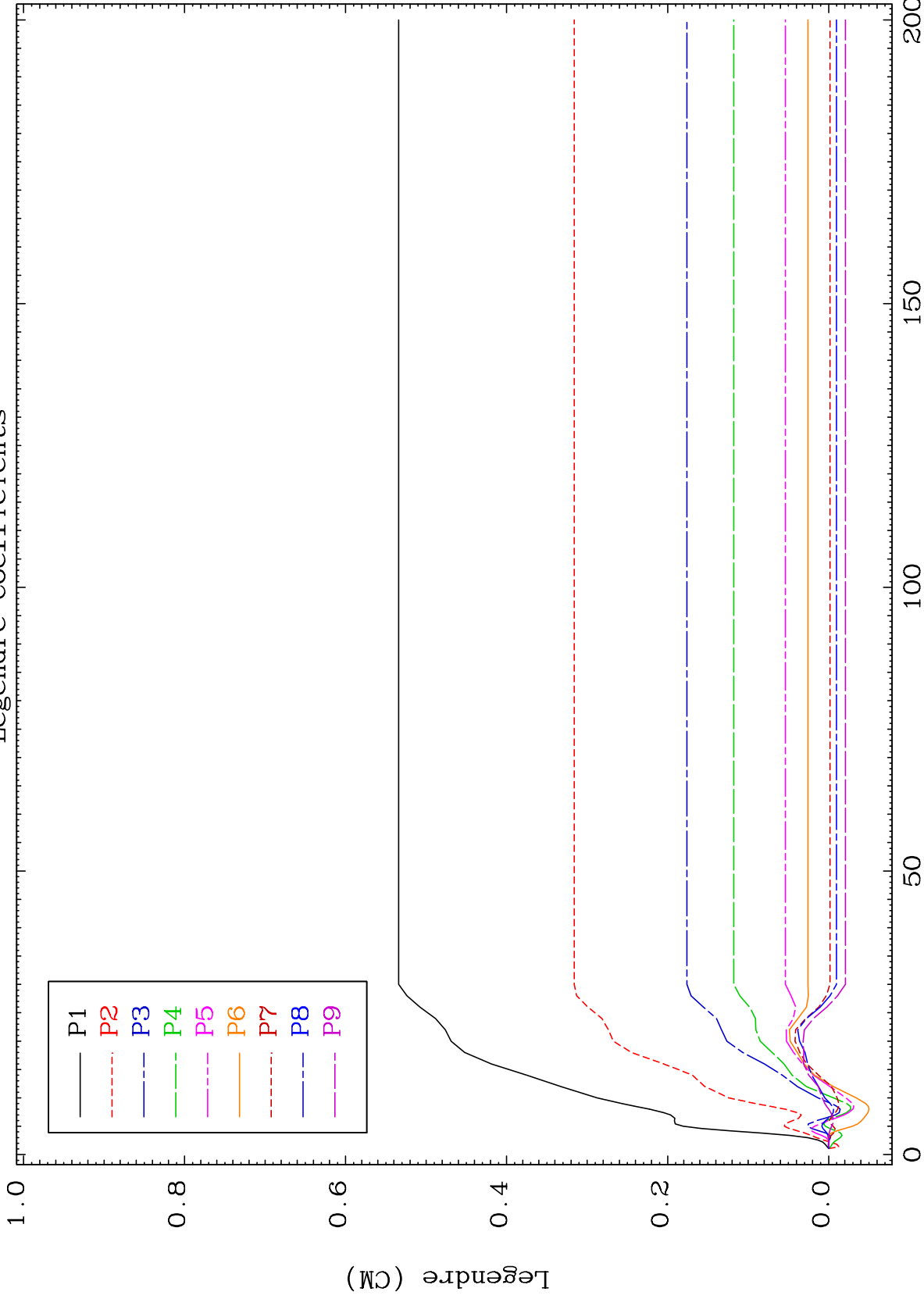
41

72-Hf-168

MAT 7207

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

72-Hf-168



42

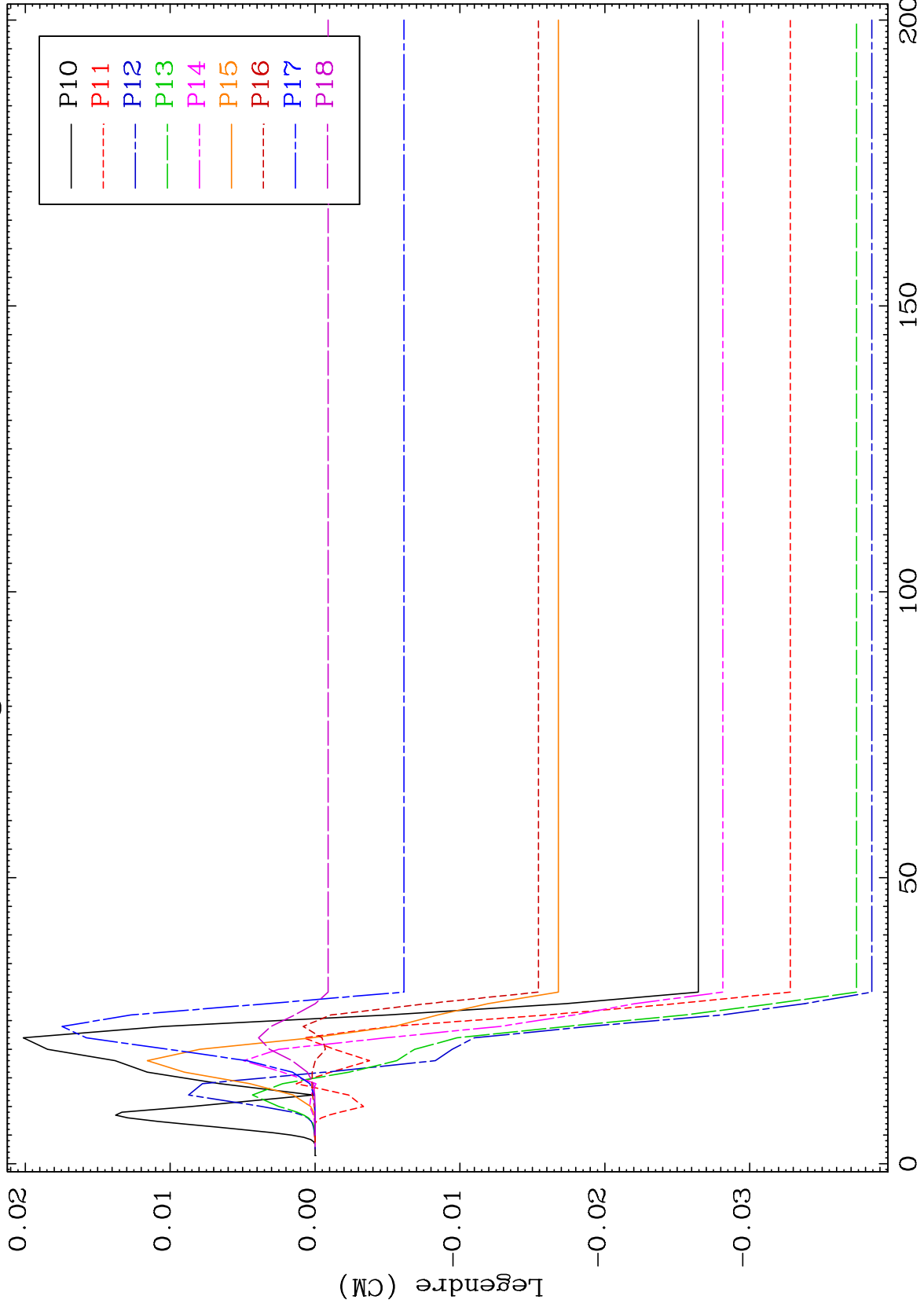
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

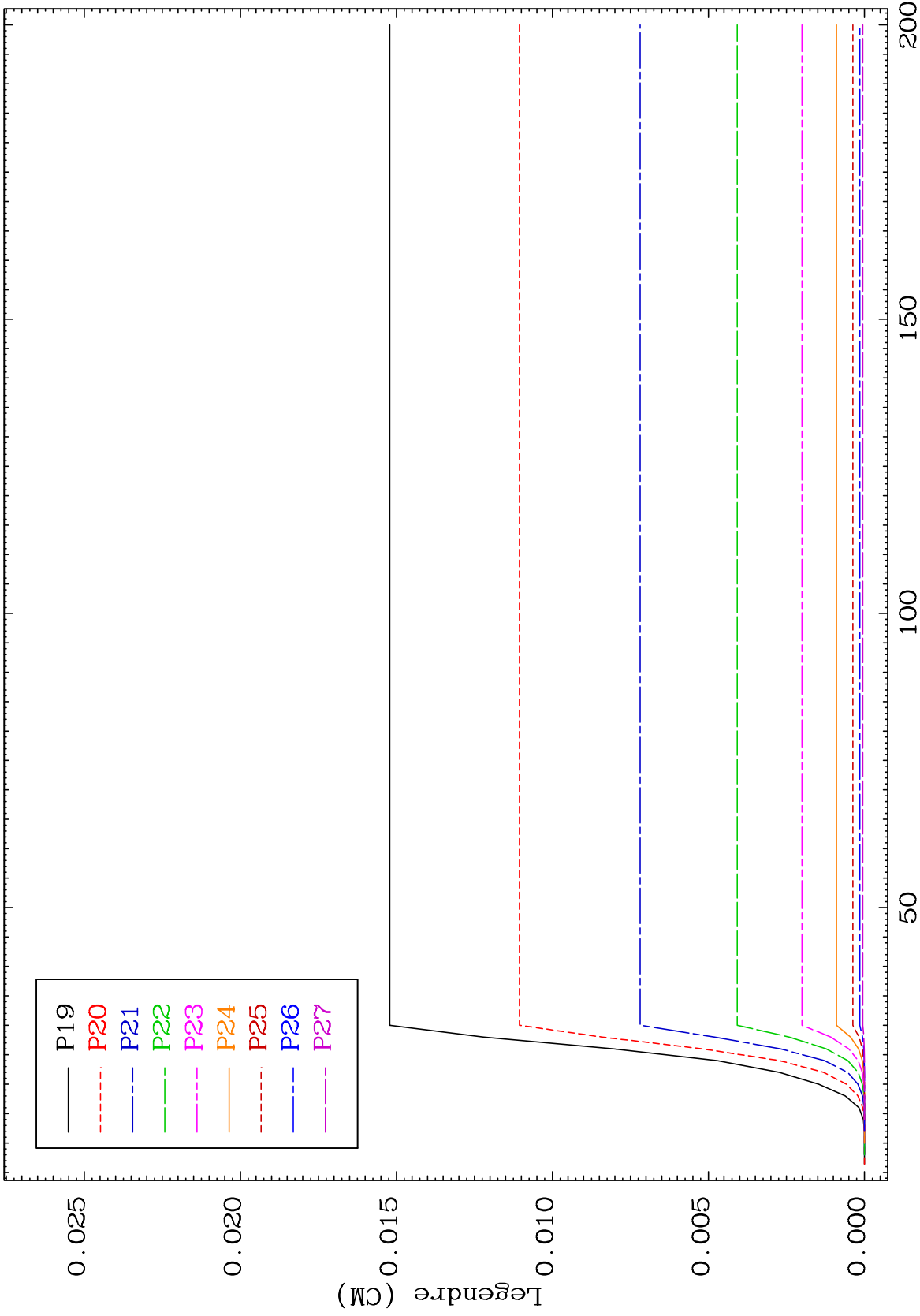
72-Hf-168



43

Incident Energy (MeV)

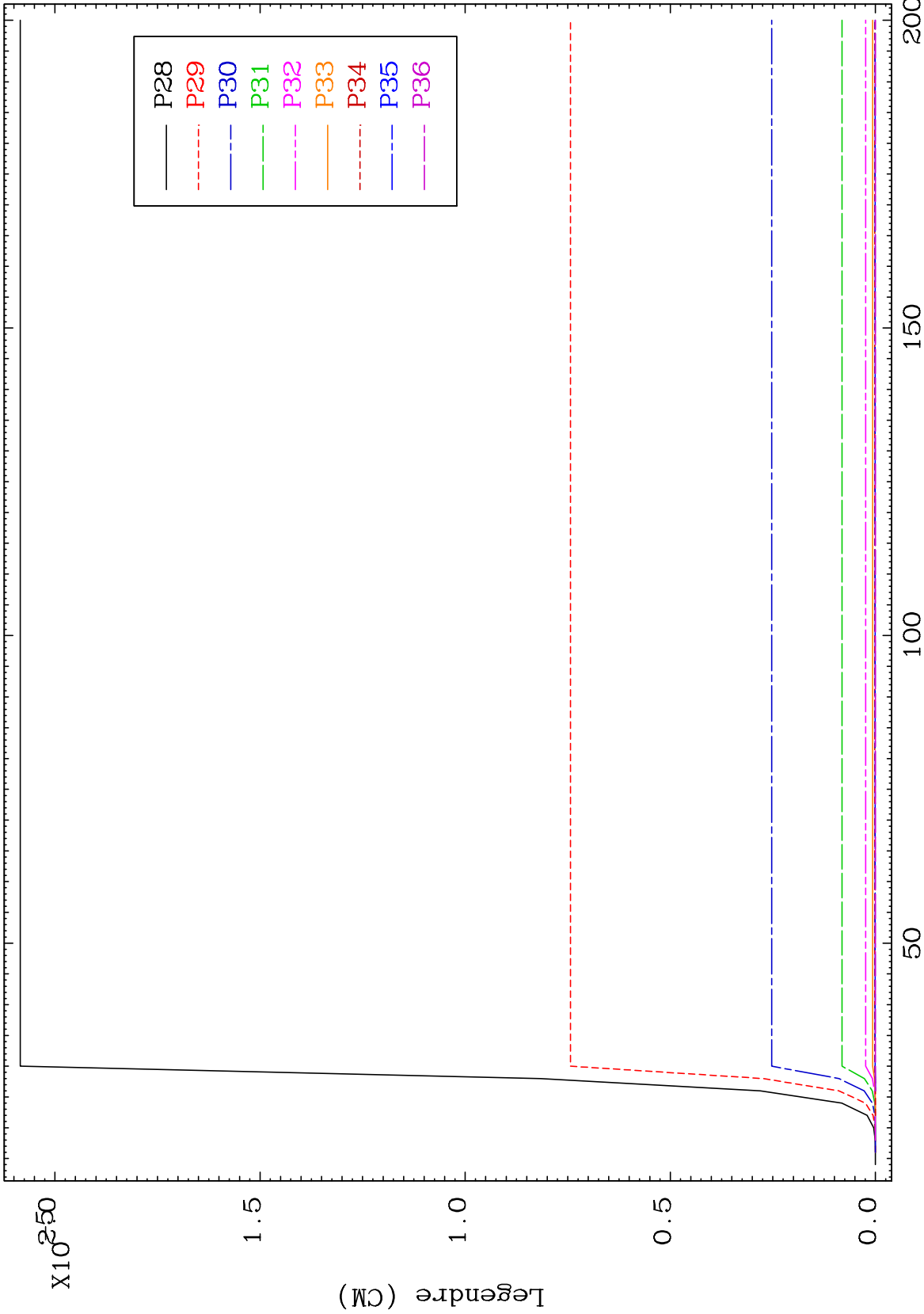
72-Hf-168



MAT 7207

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

72-Hf-168



45

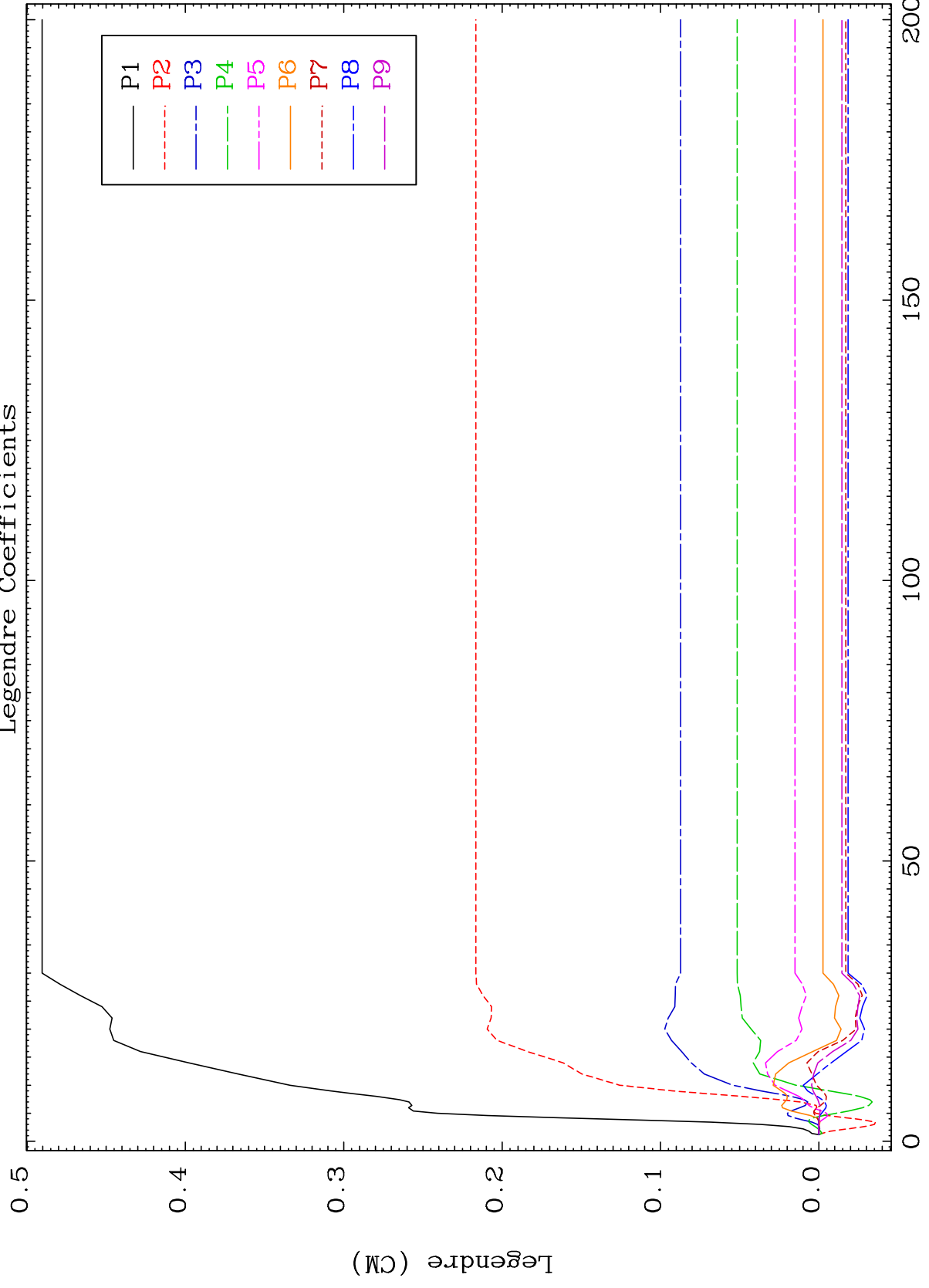
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



46

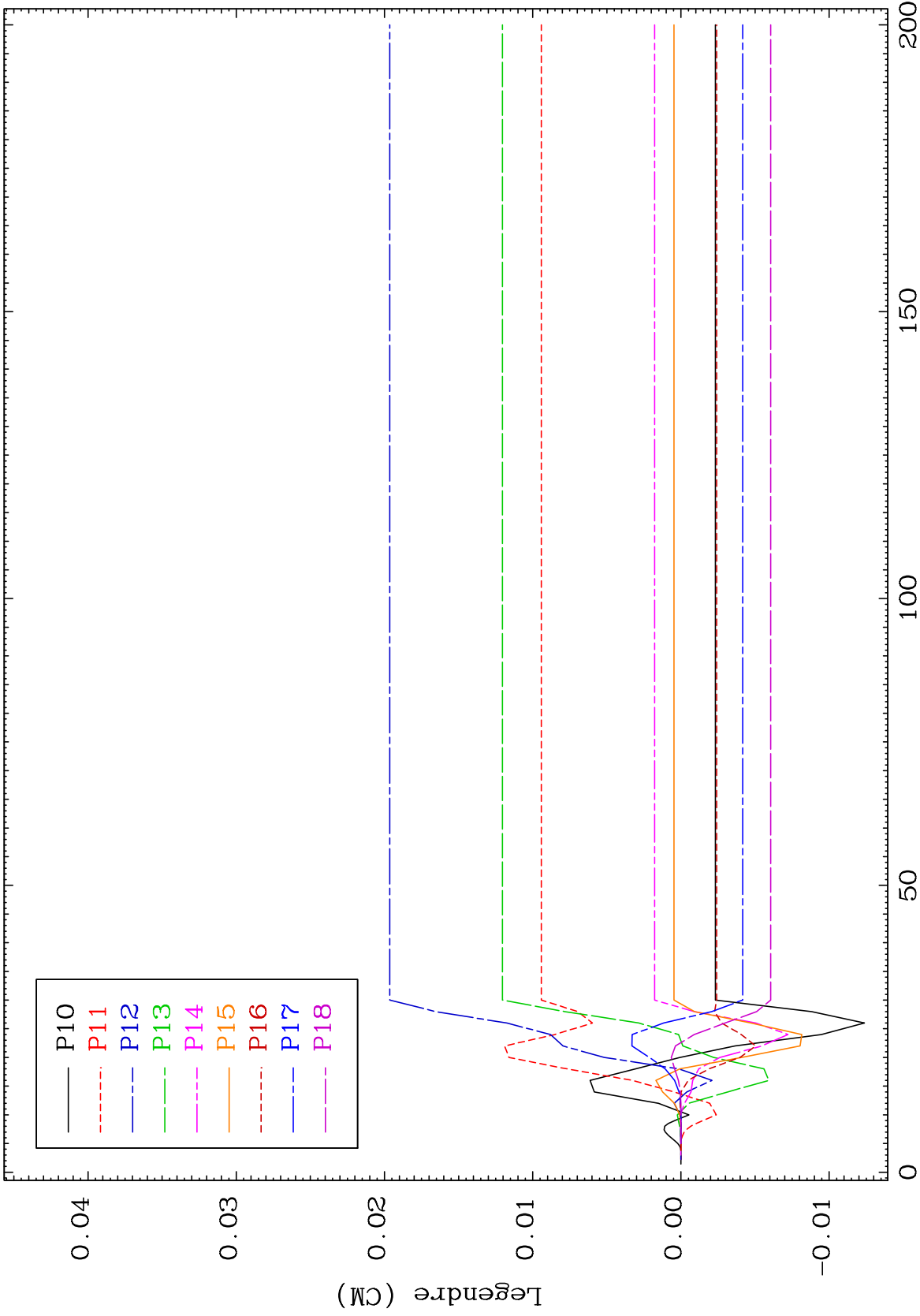
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



47

Incident Energy (MeV)

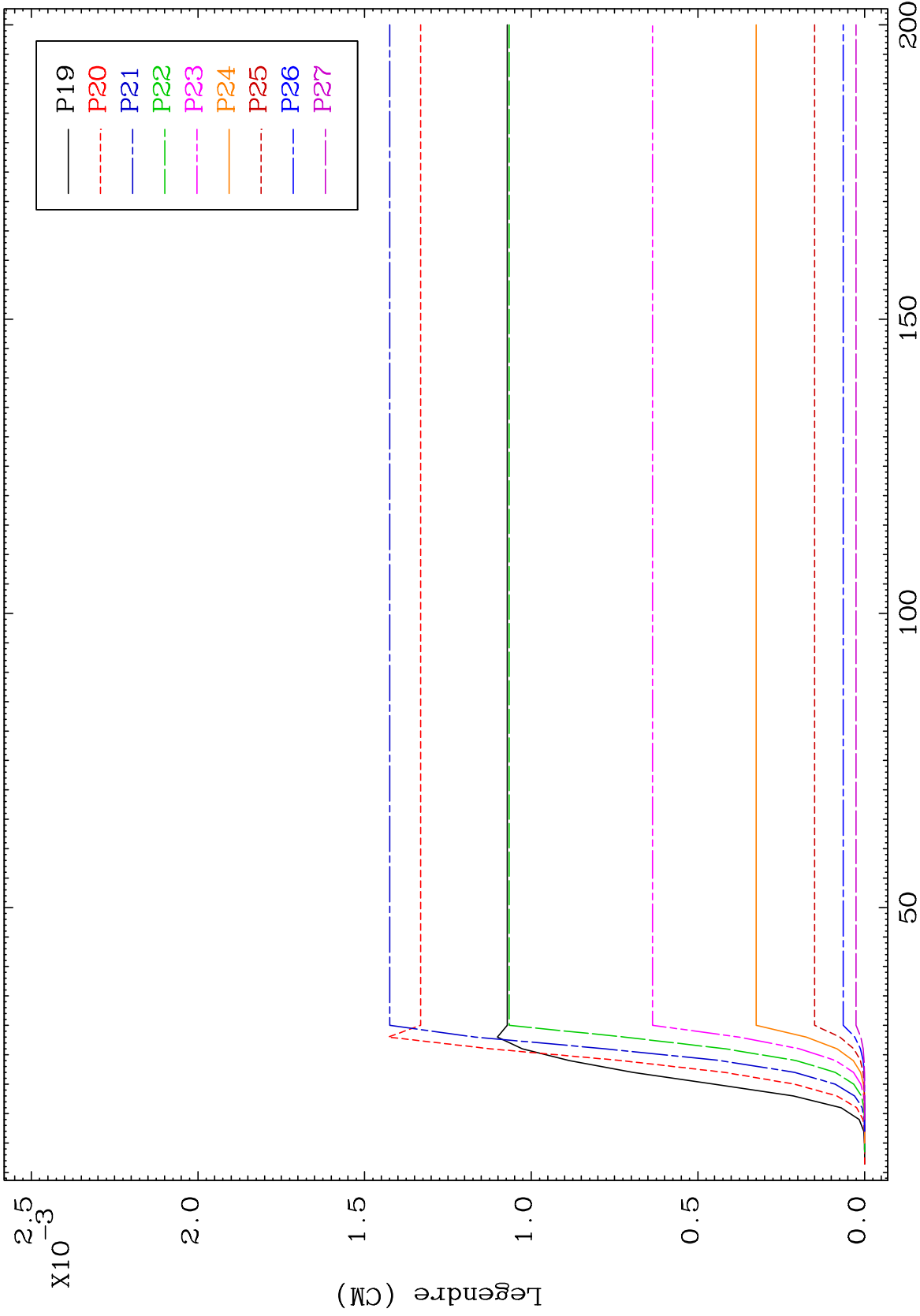
72-Hf-168



MAT 7207

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

72-Hf-168



48

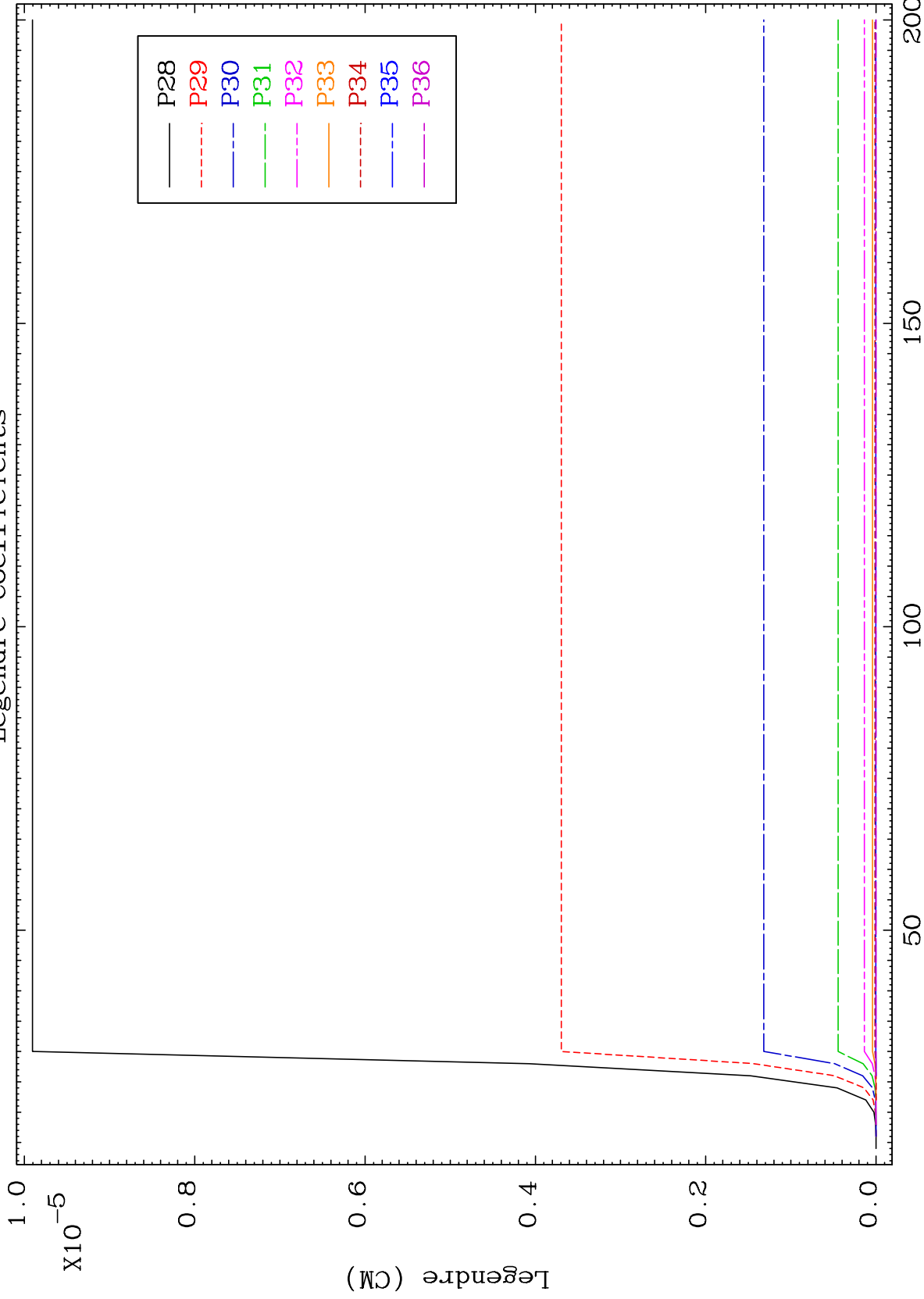
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



49

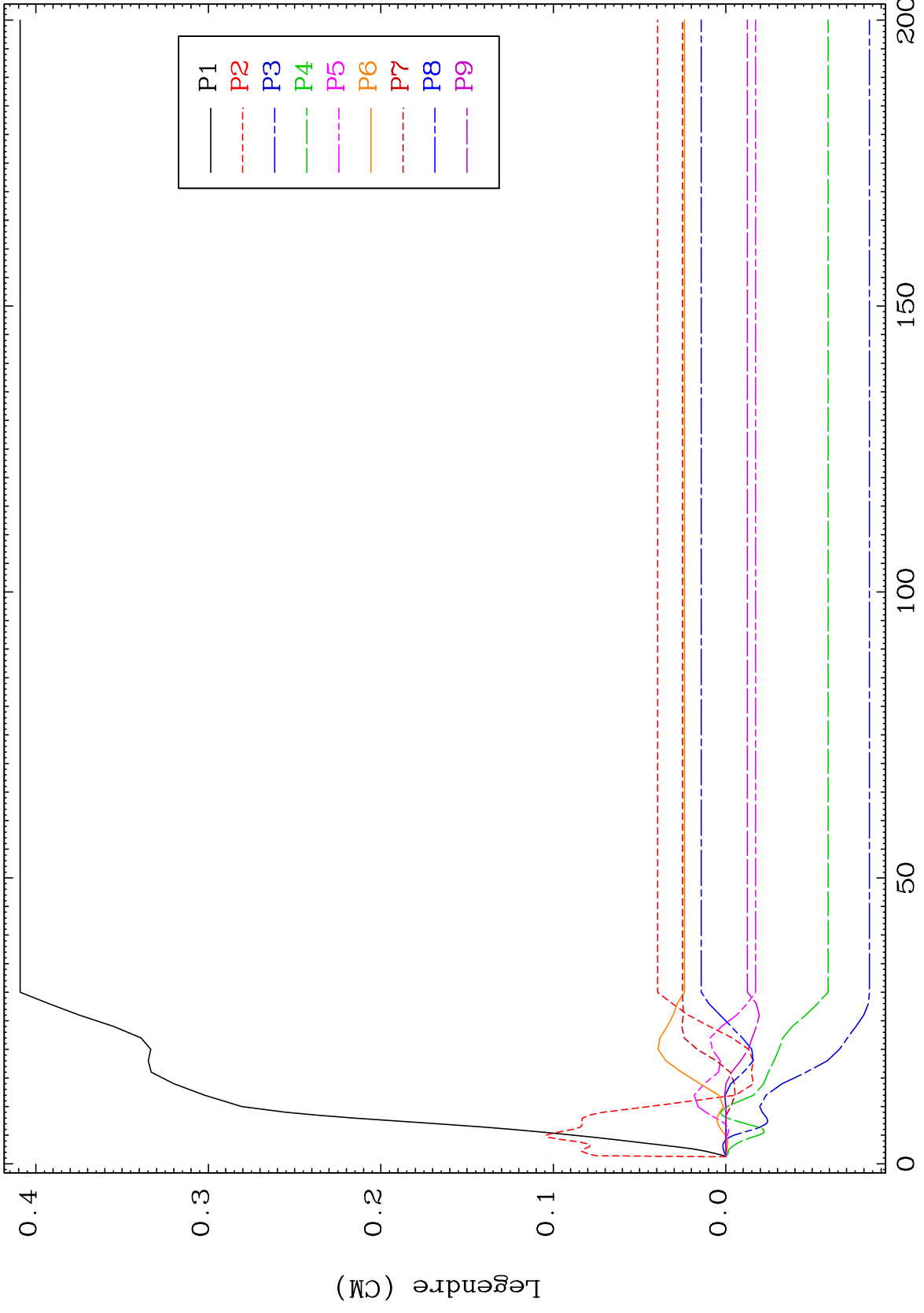
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



72-Hf-168

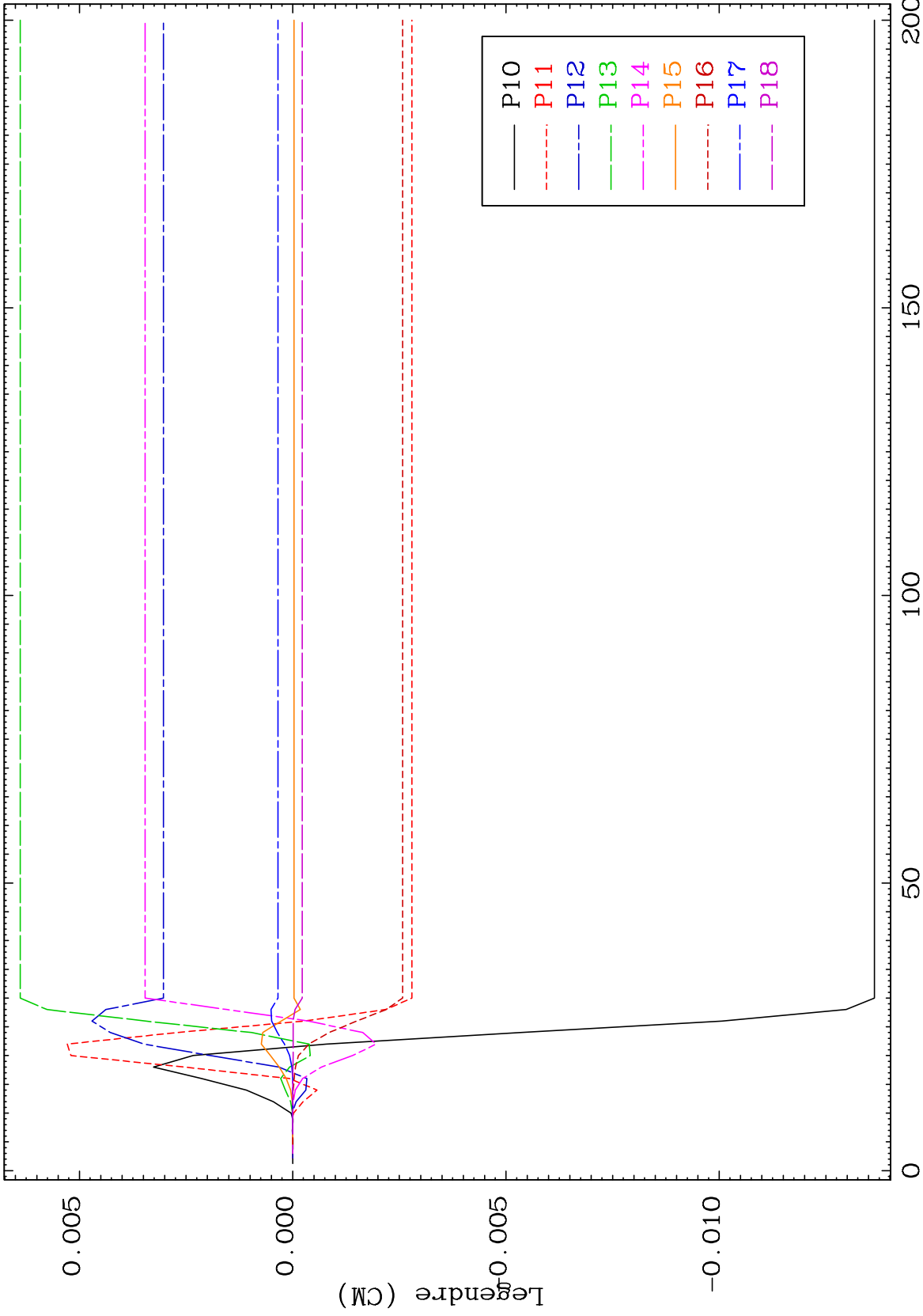
Incident Energy (MeV)

50

MAT 7207

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

72-Hf-168



51

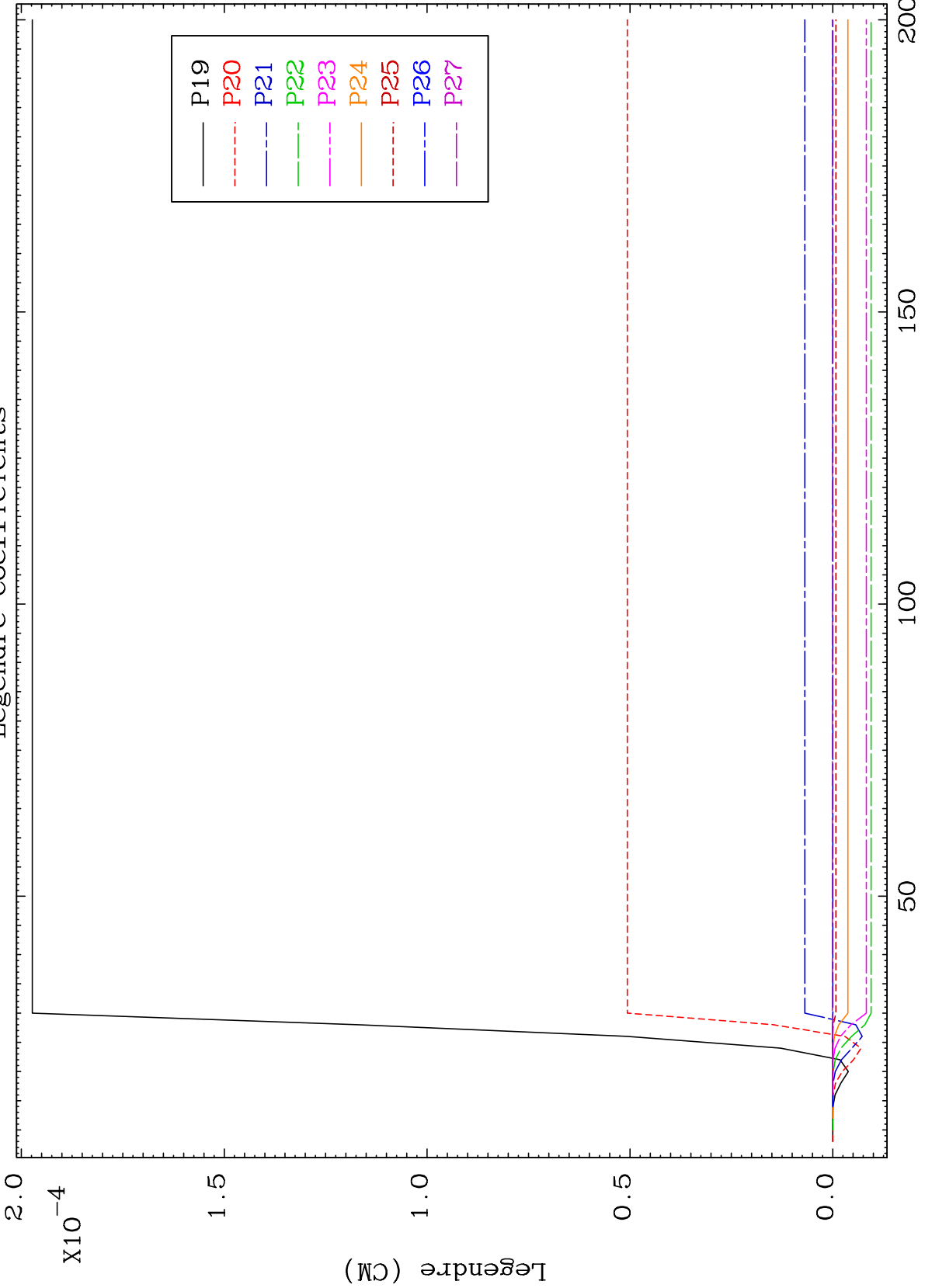
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



52

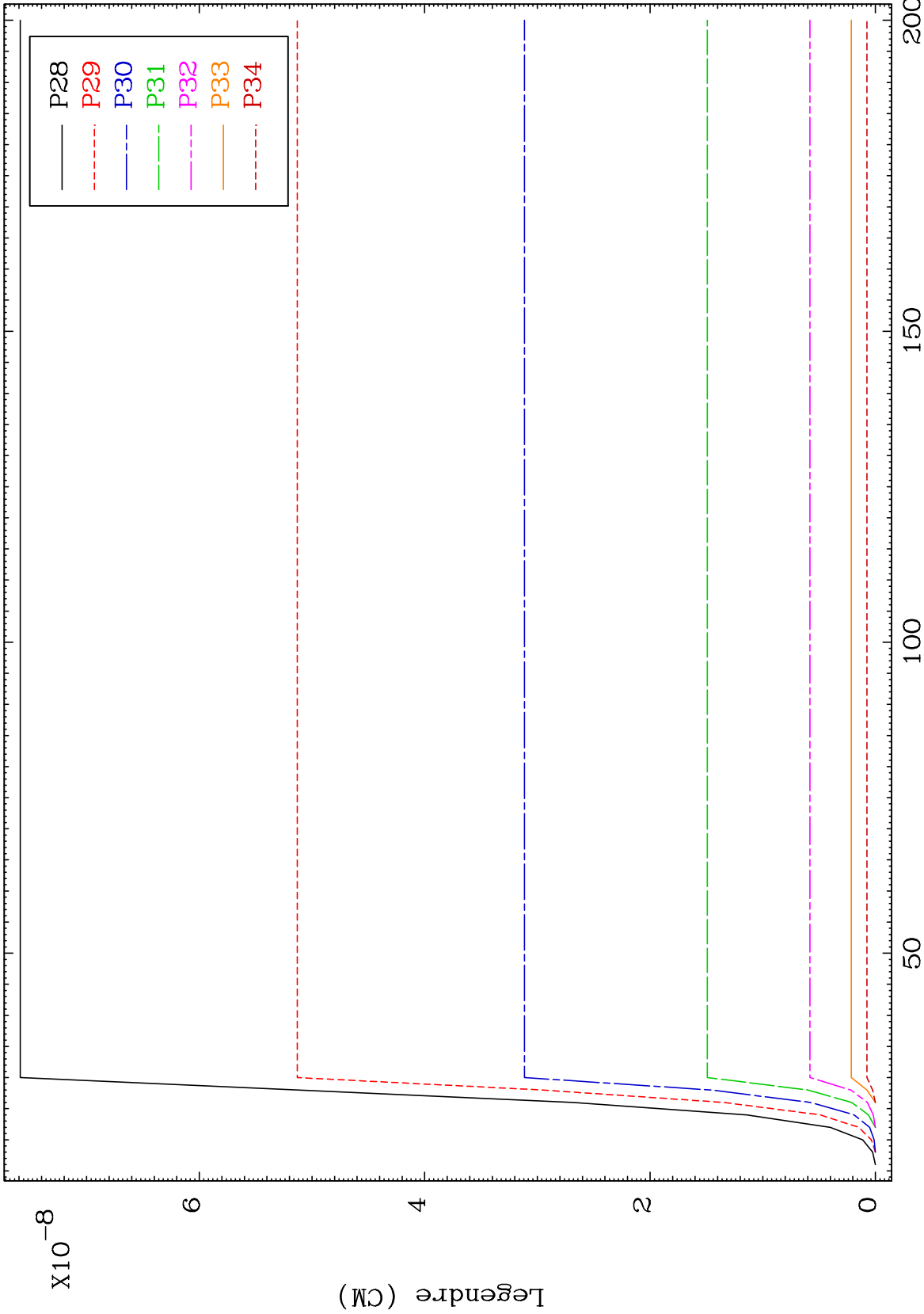
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



53

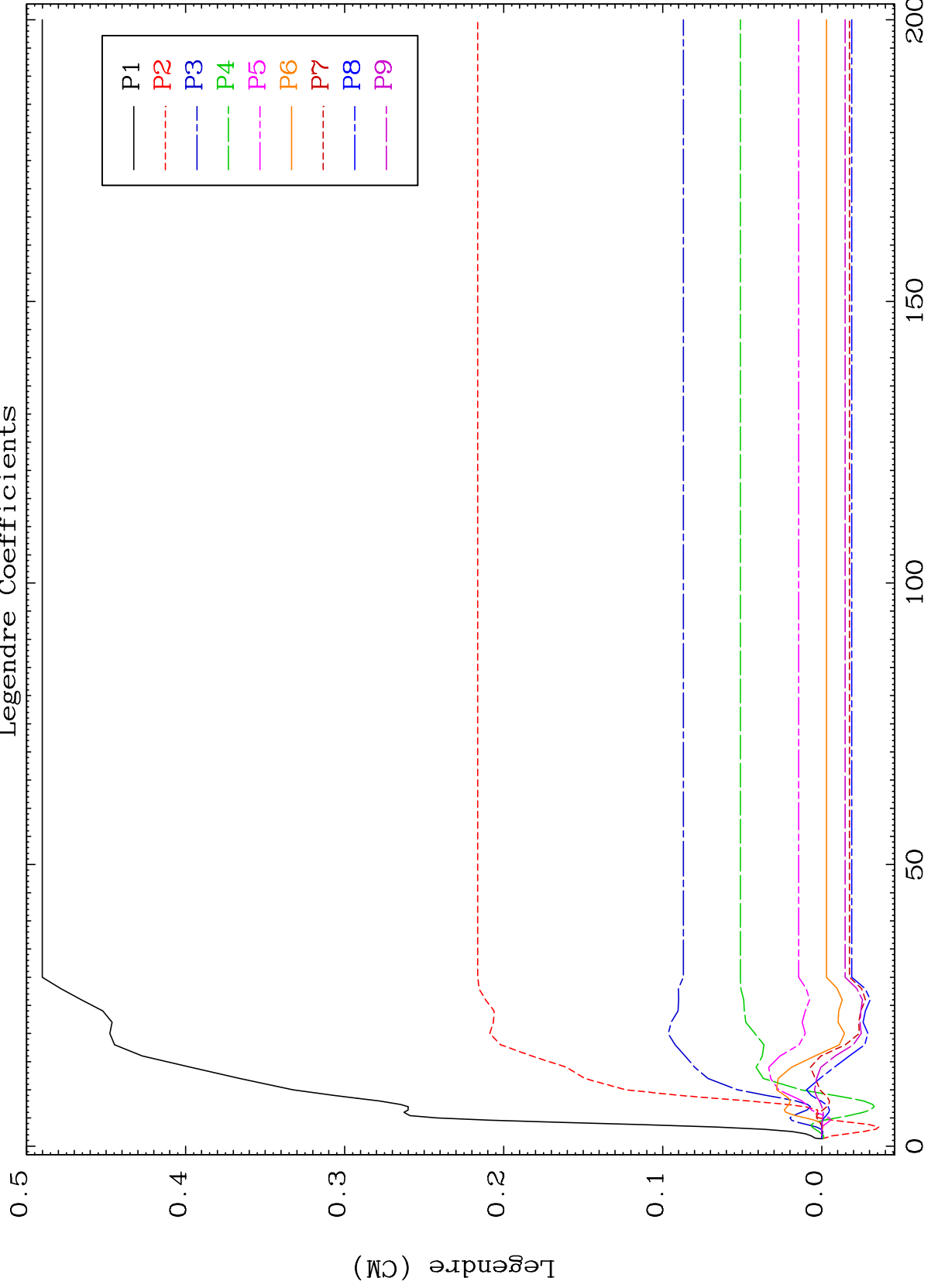
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



54

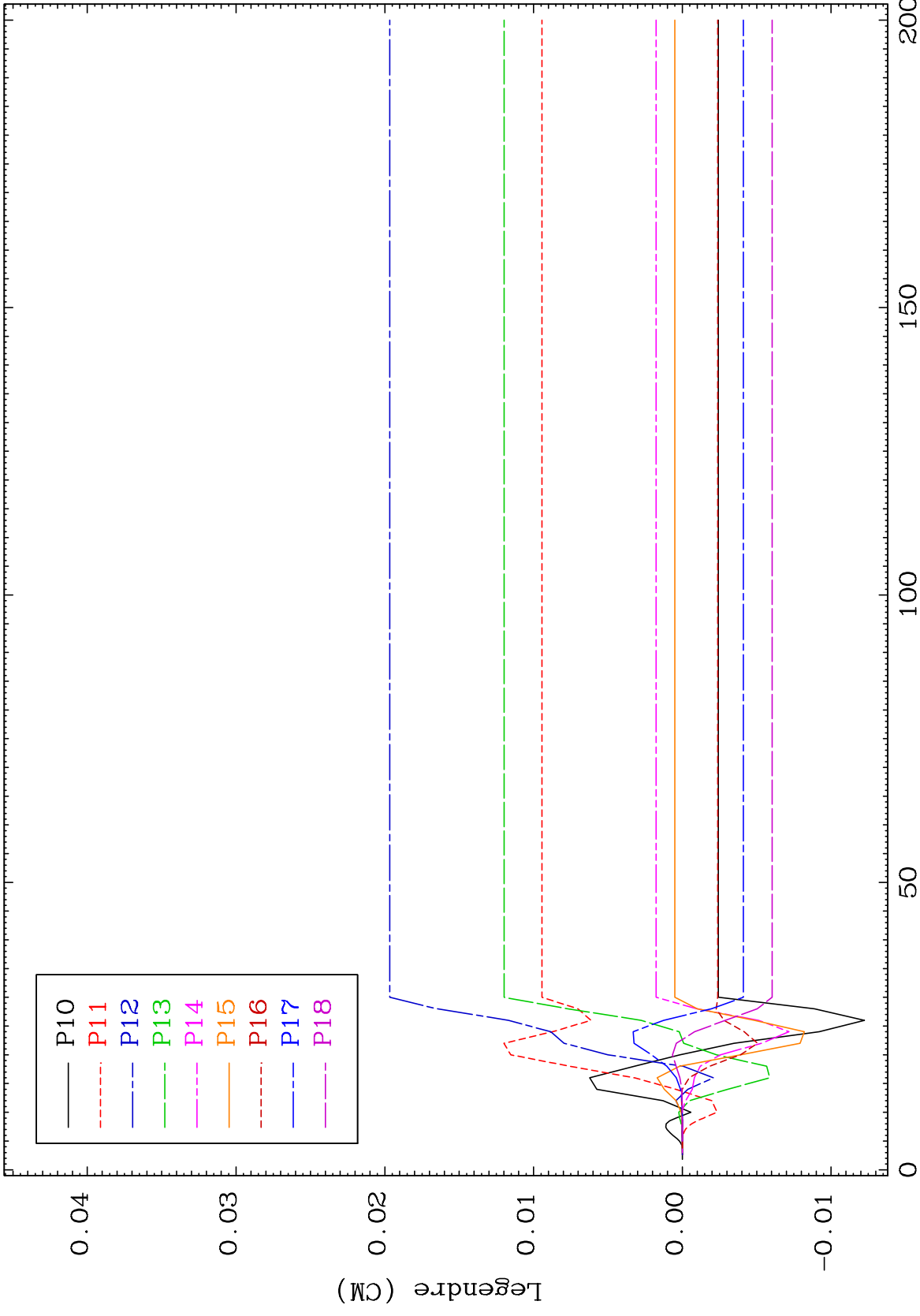
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



55

Incident Energy (MeV)

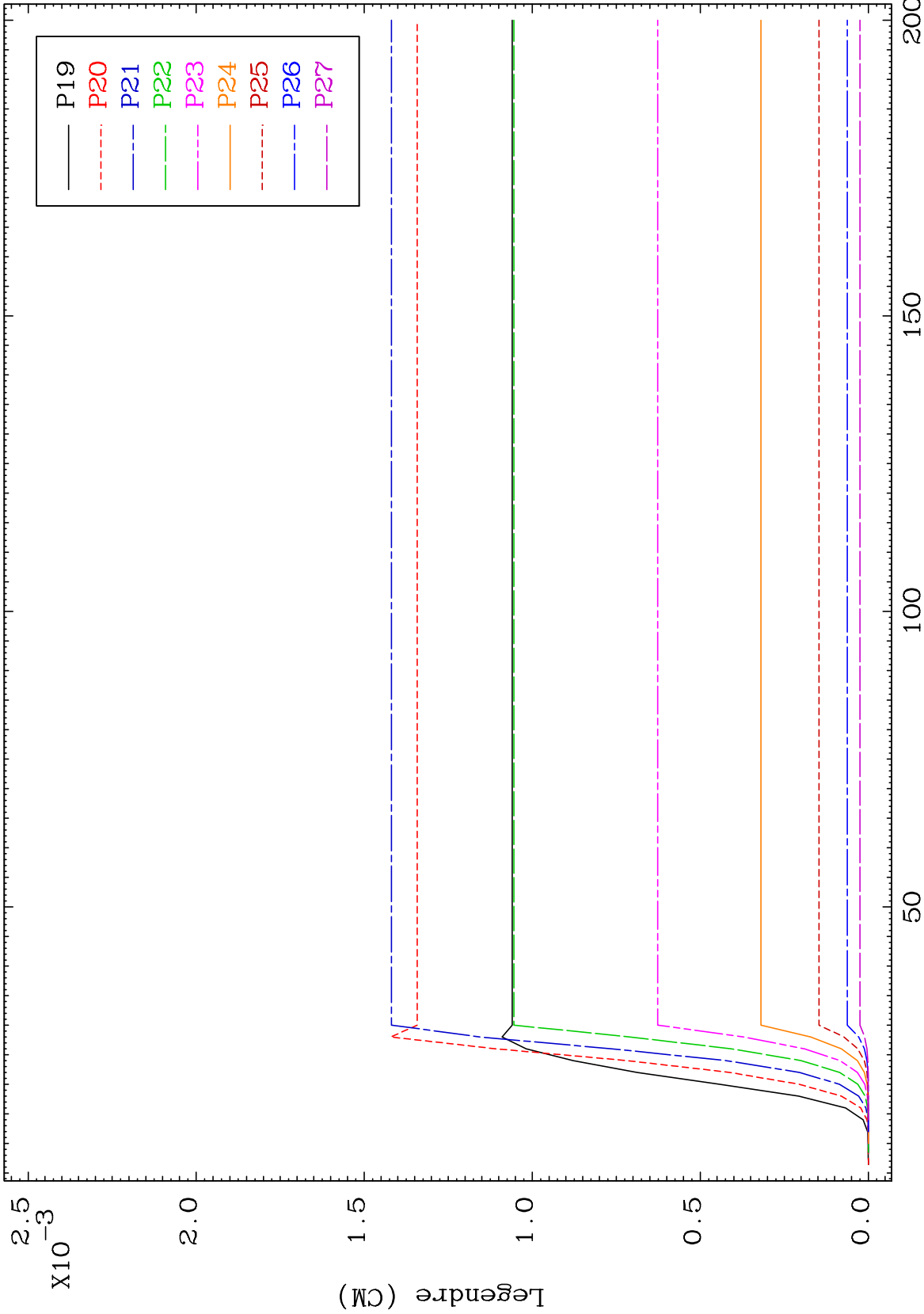
72-Hf-168



MAT 7207

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

72-Hf-168



56

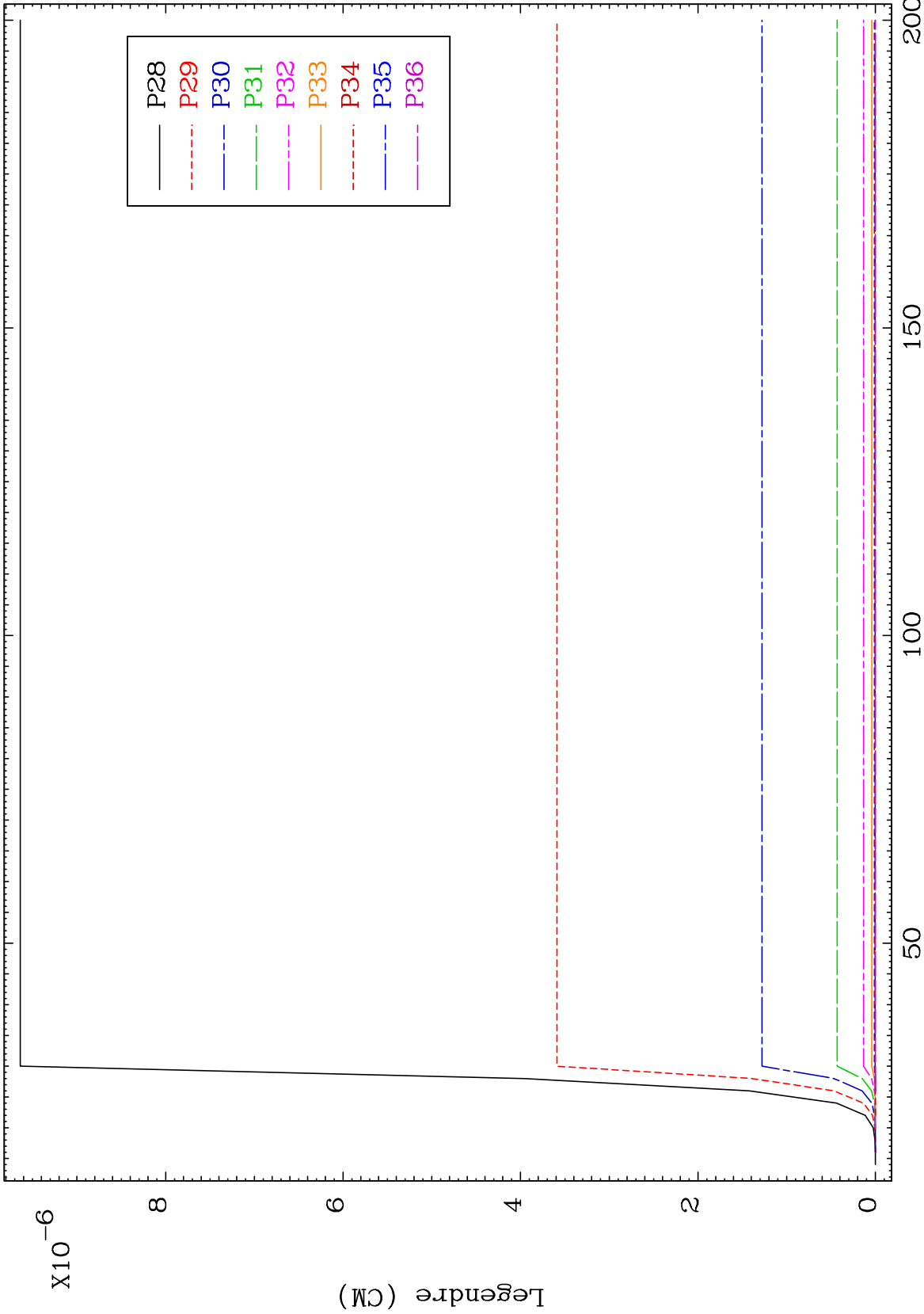
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



57

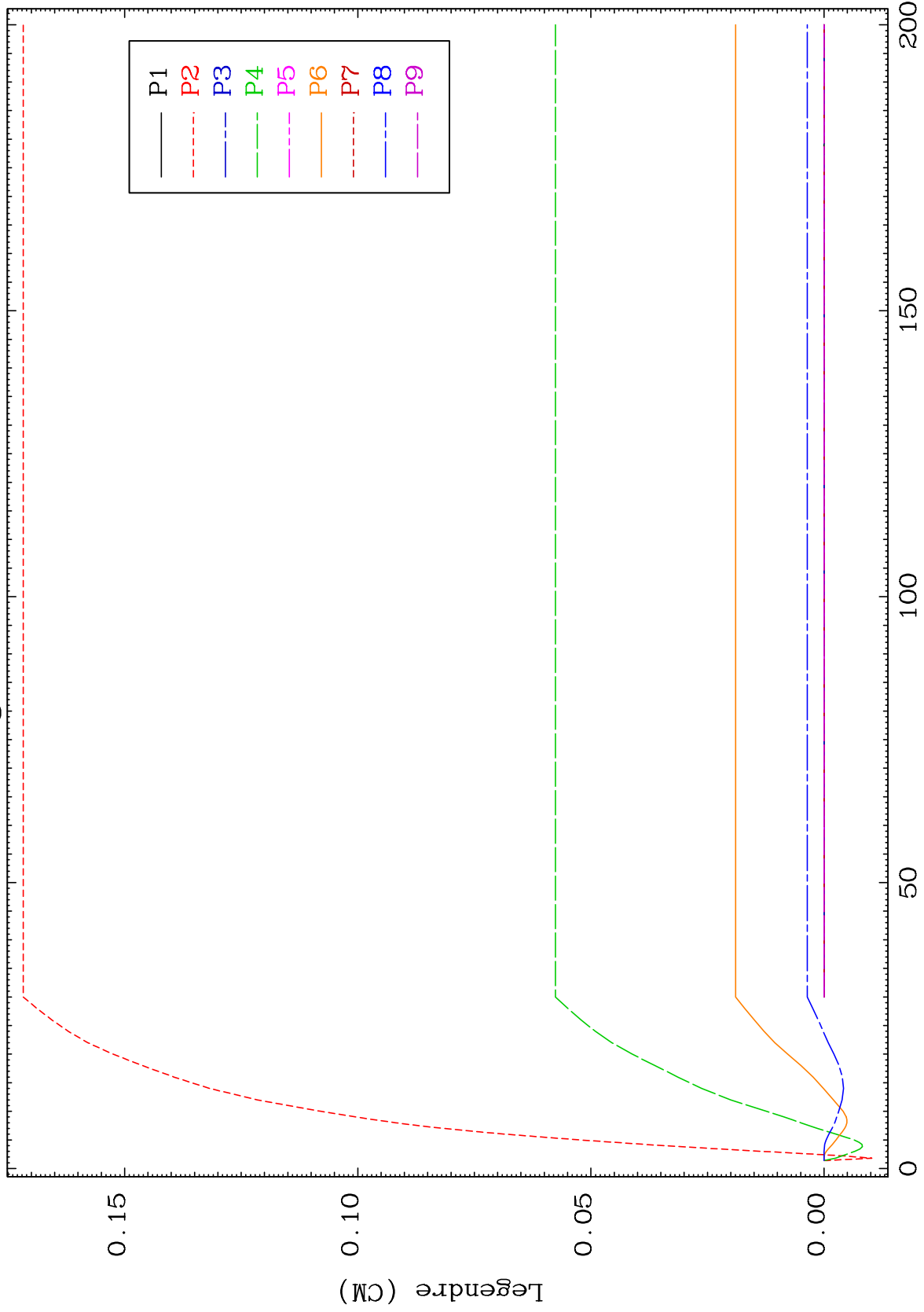
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

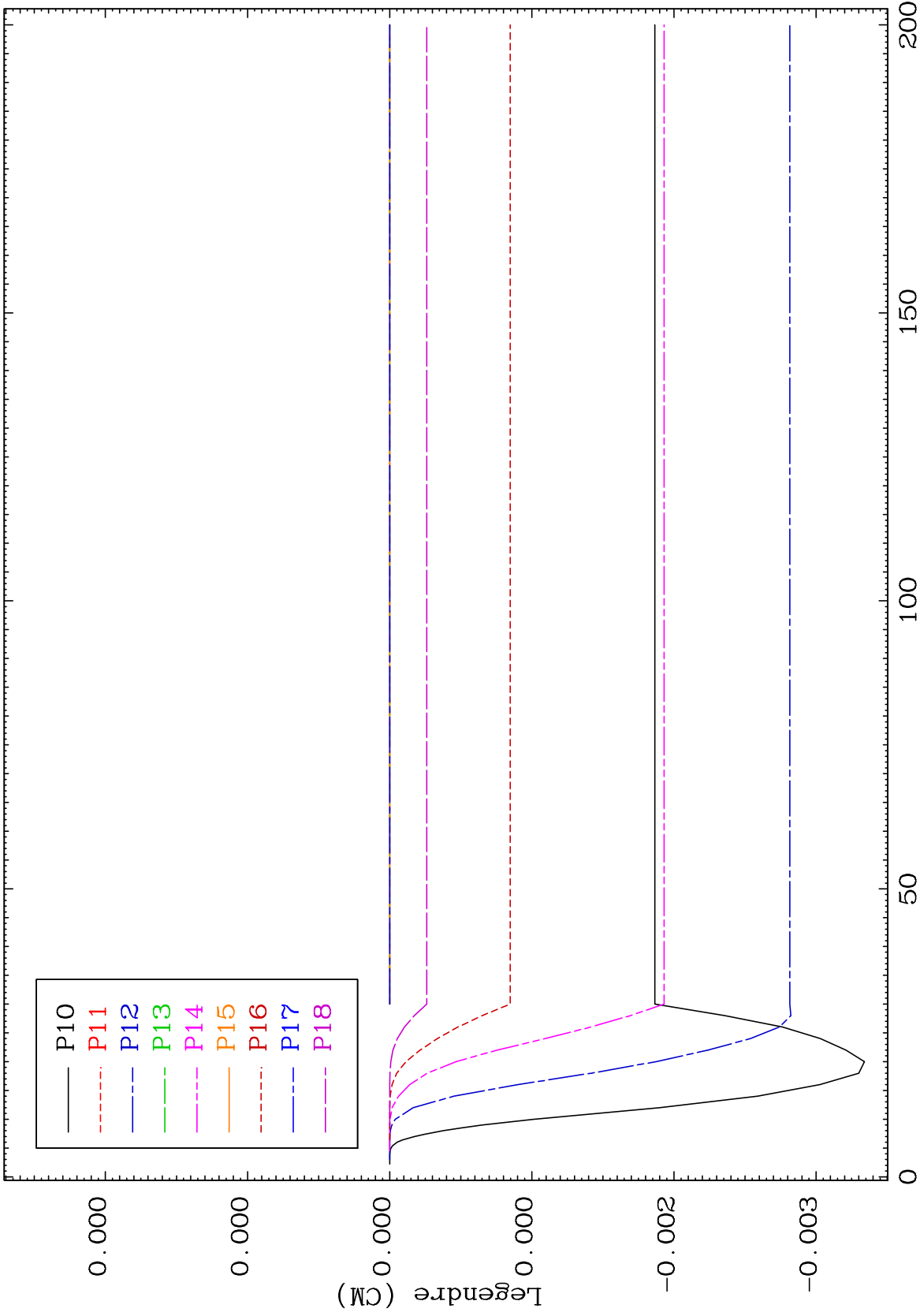
72-Hf-168



58

Incident Energy (MeV)

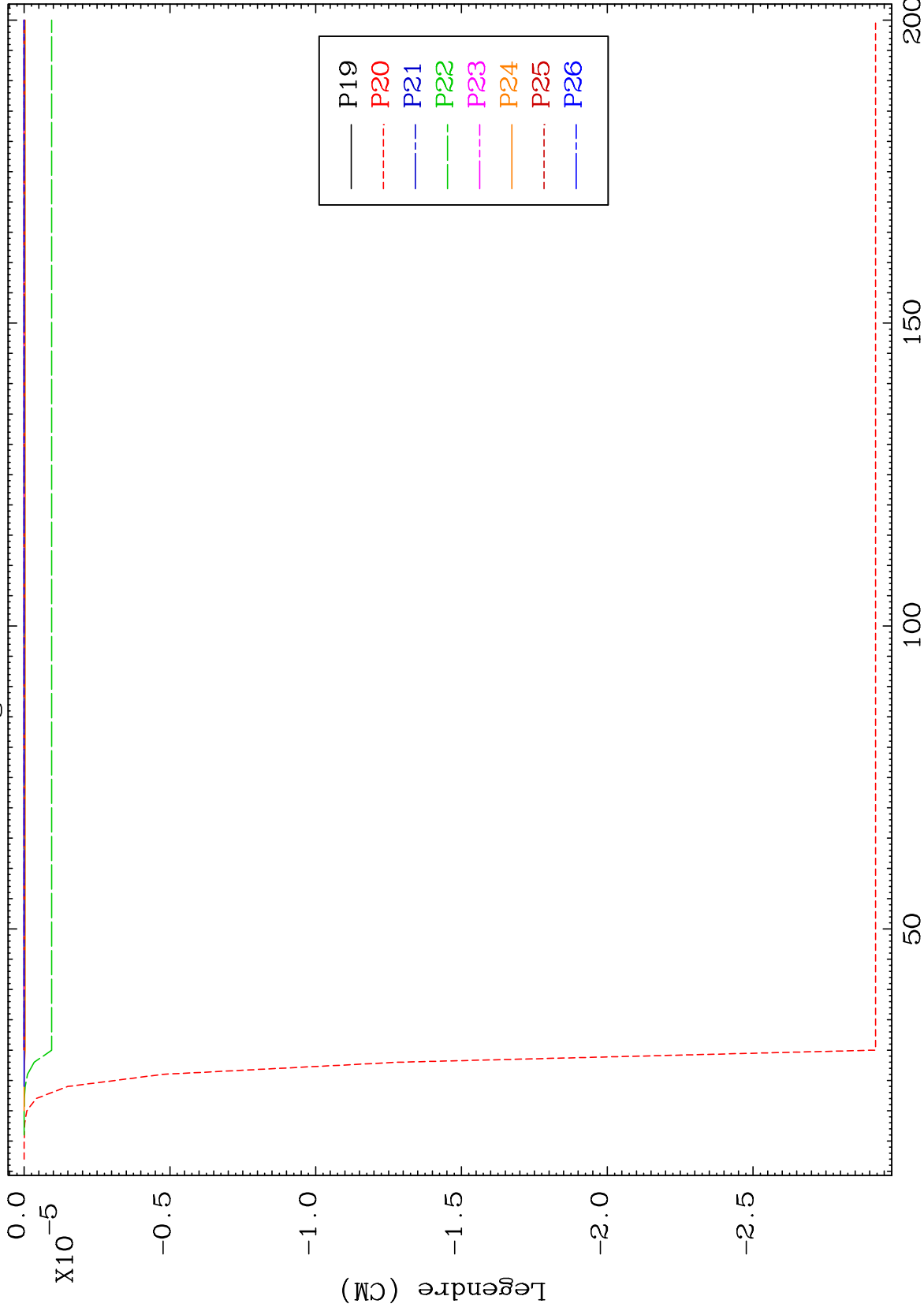
72-Hf-168



MAT 7207

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

72-Hf-168



60

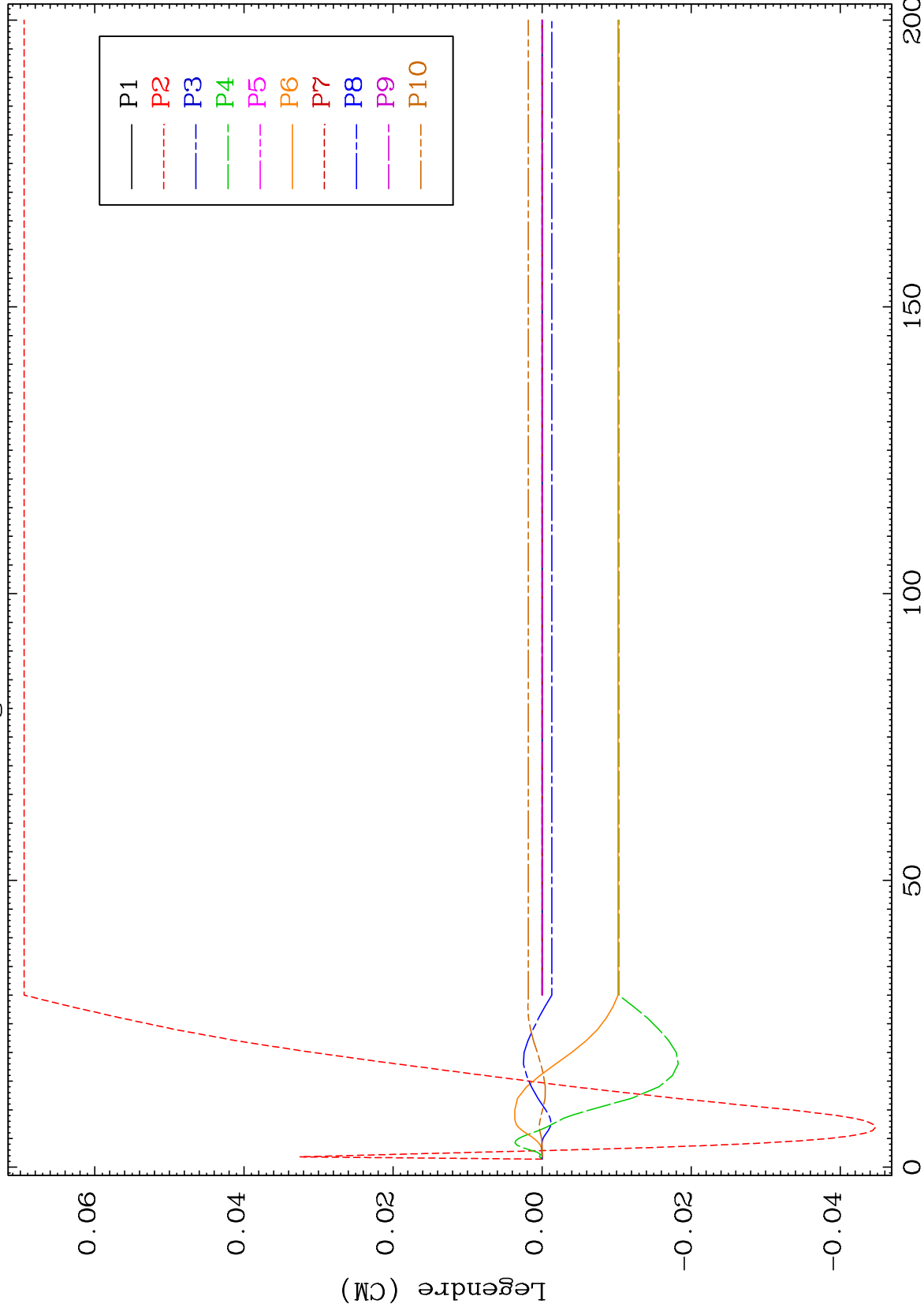
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



61

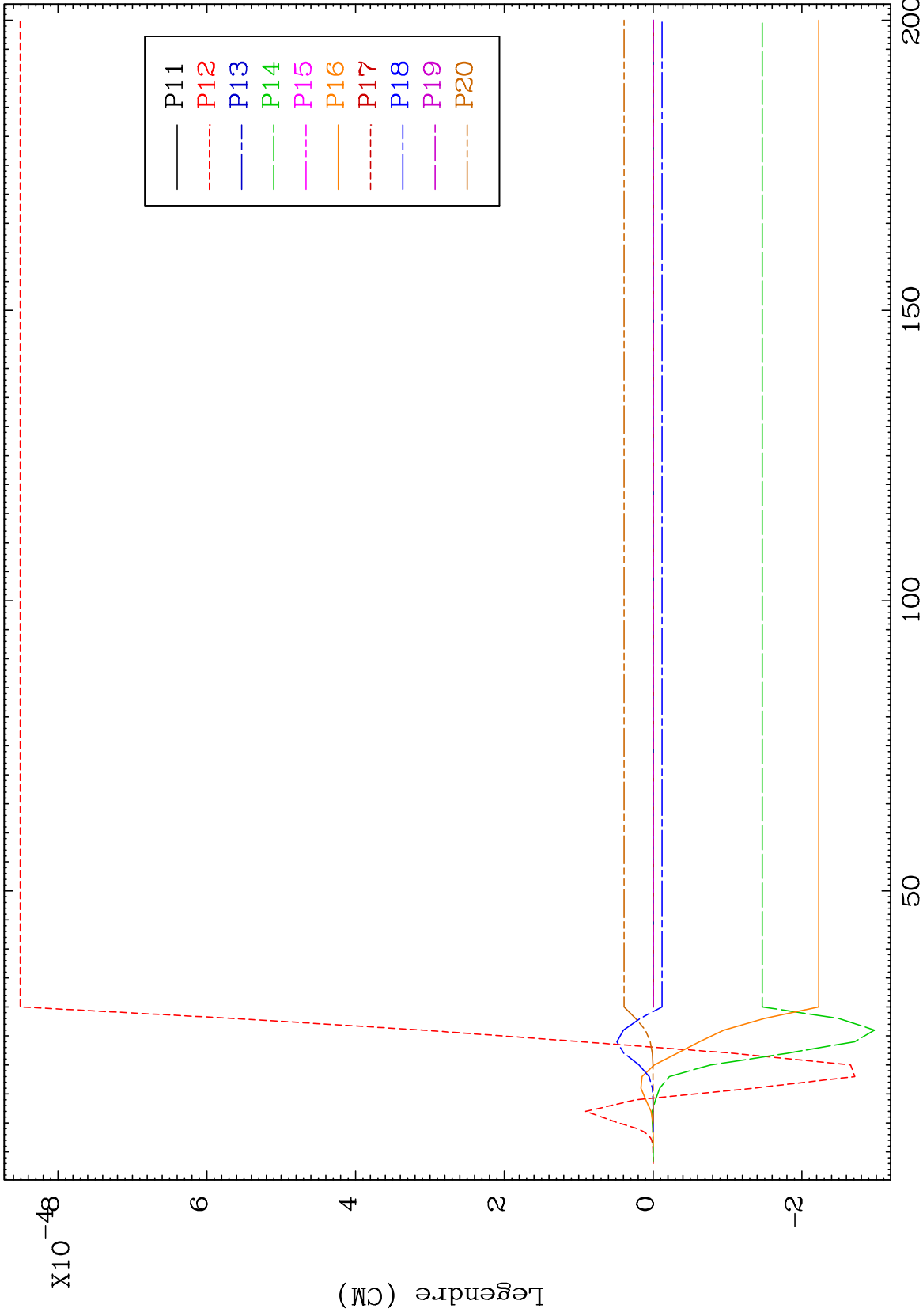
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



62

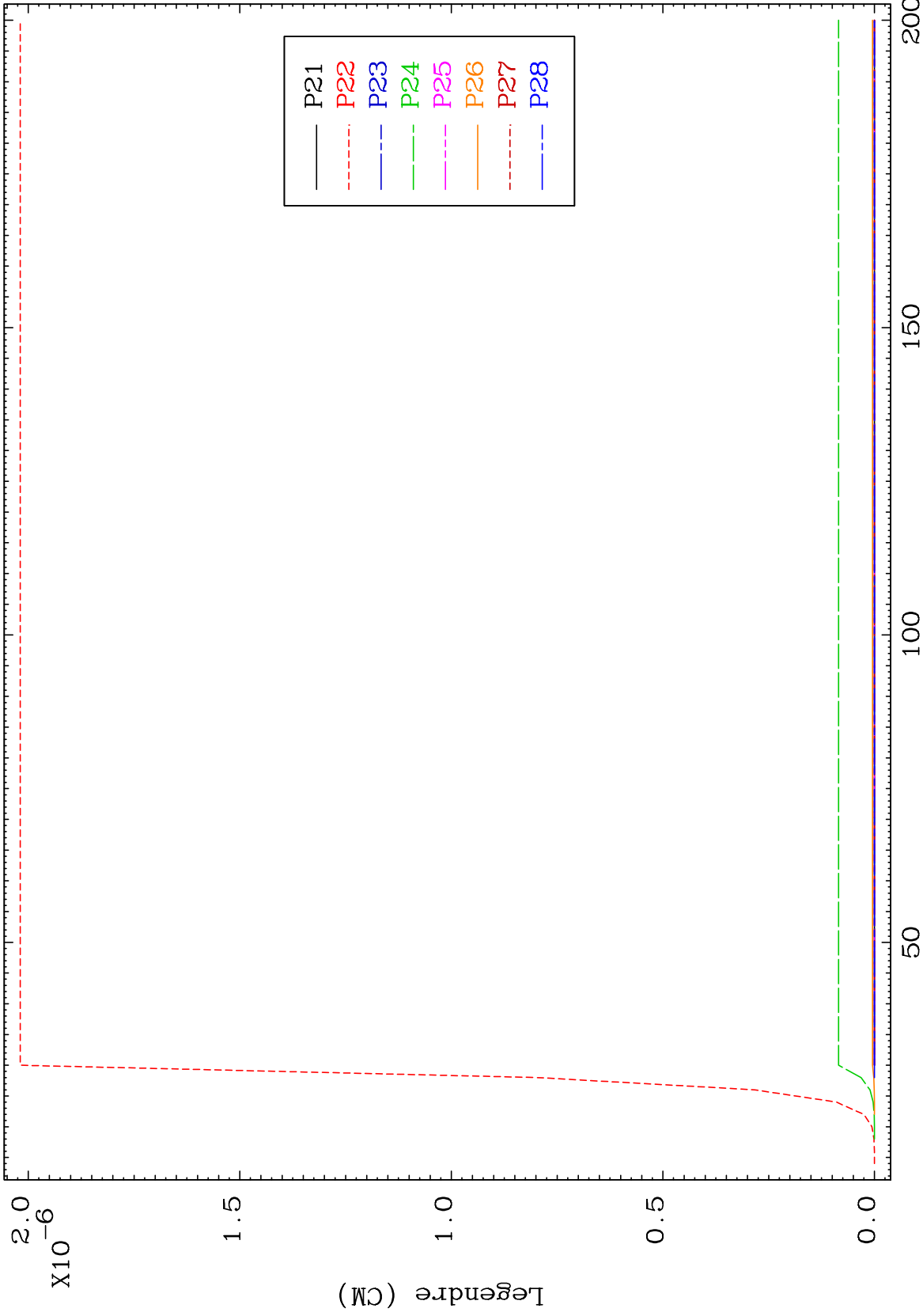
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



63

Incident Energy (MeV)

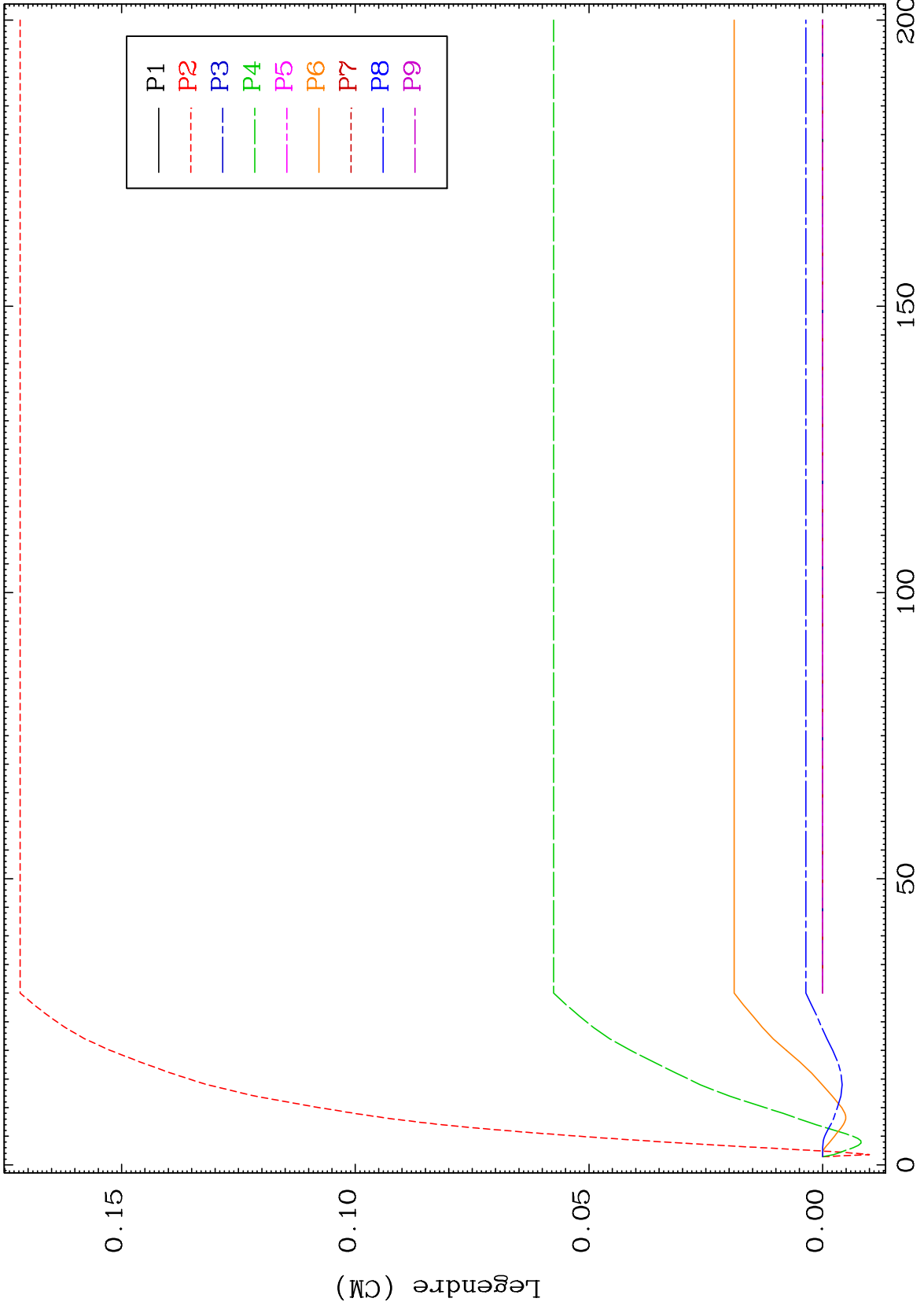
72-Hf-168



MAT 7207

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

72-Hf-168



64

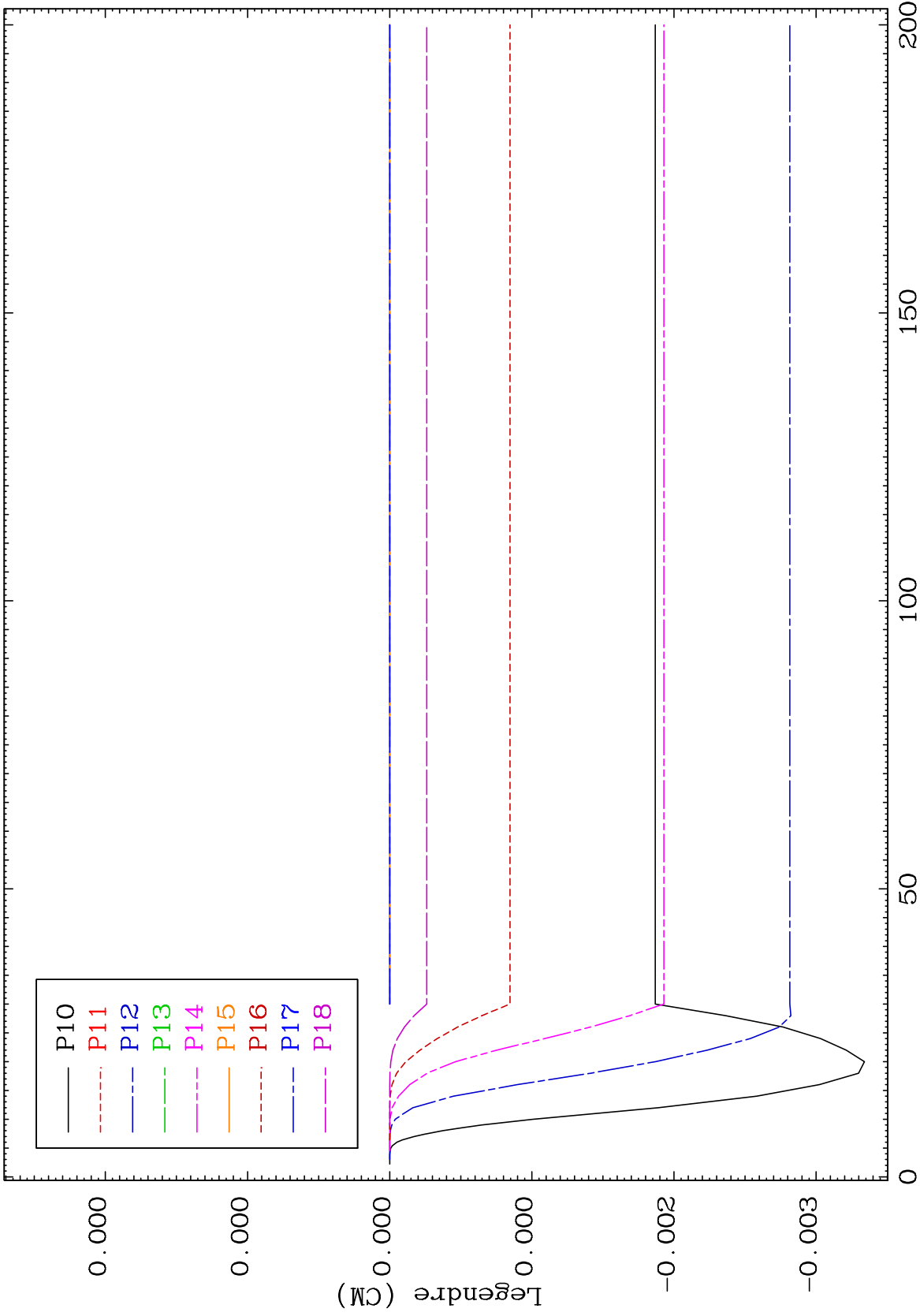
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



65

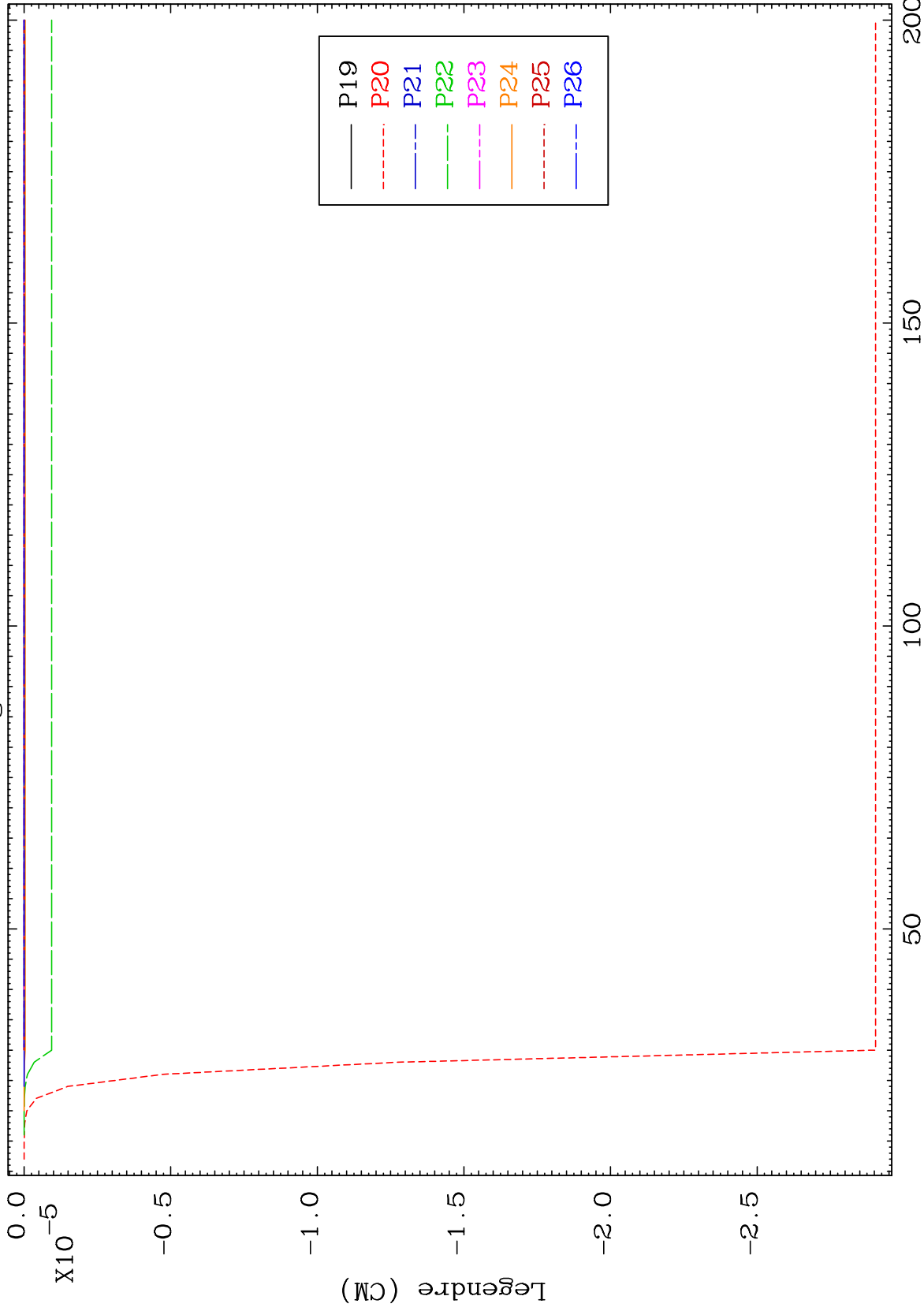
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



66

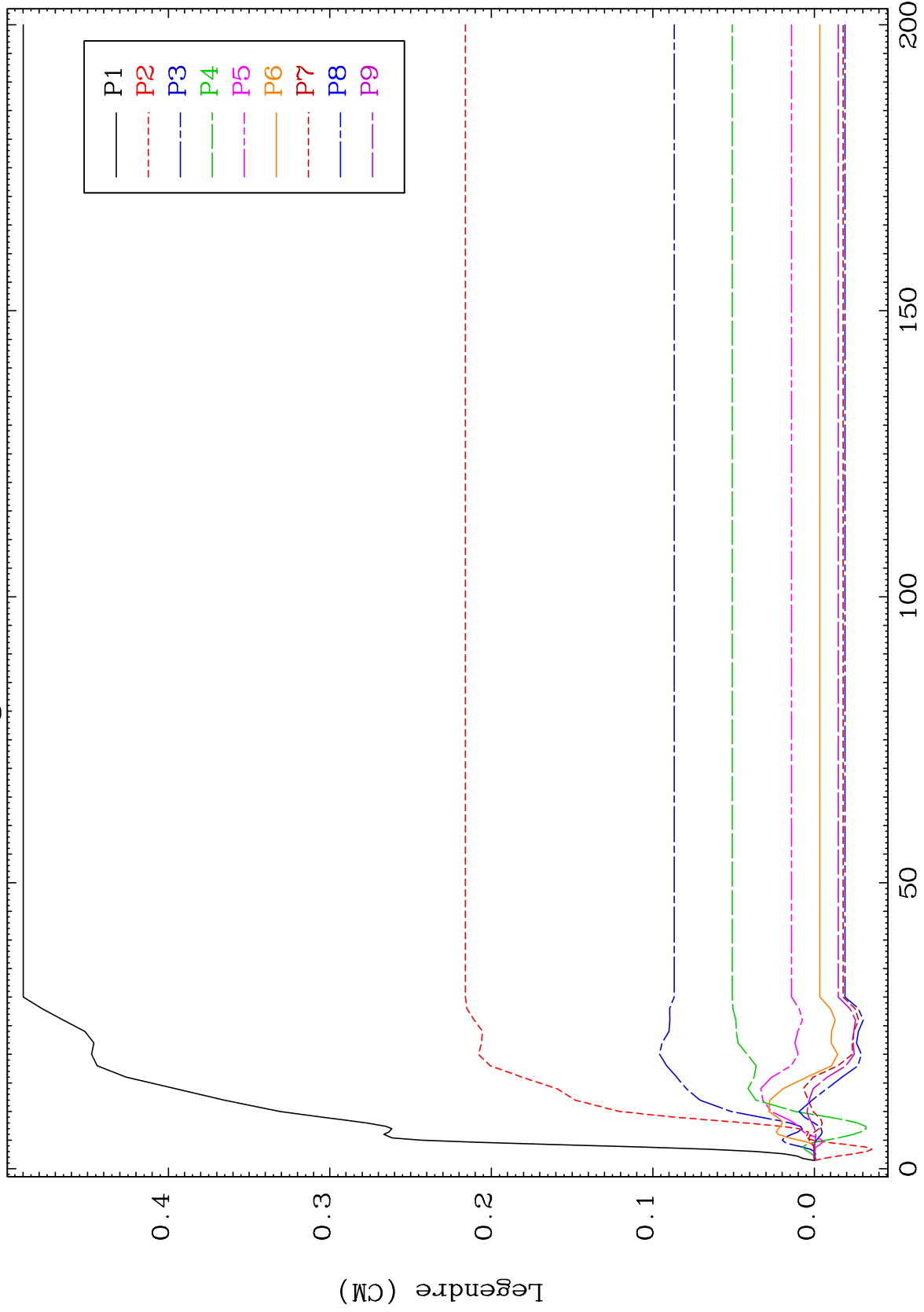
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



67

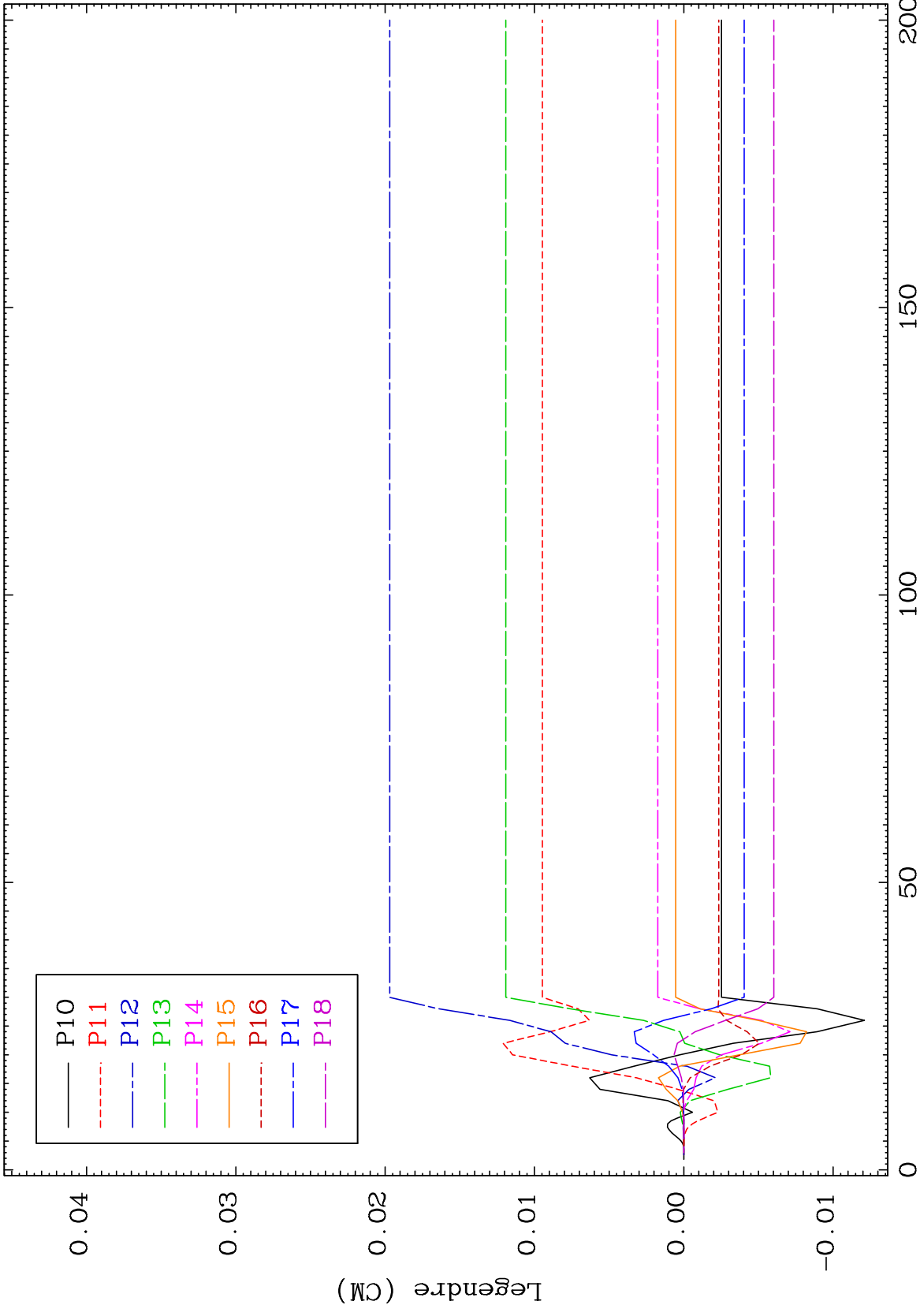
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



68

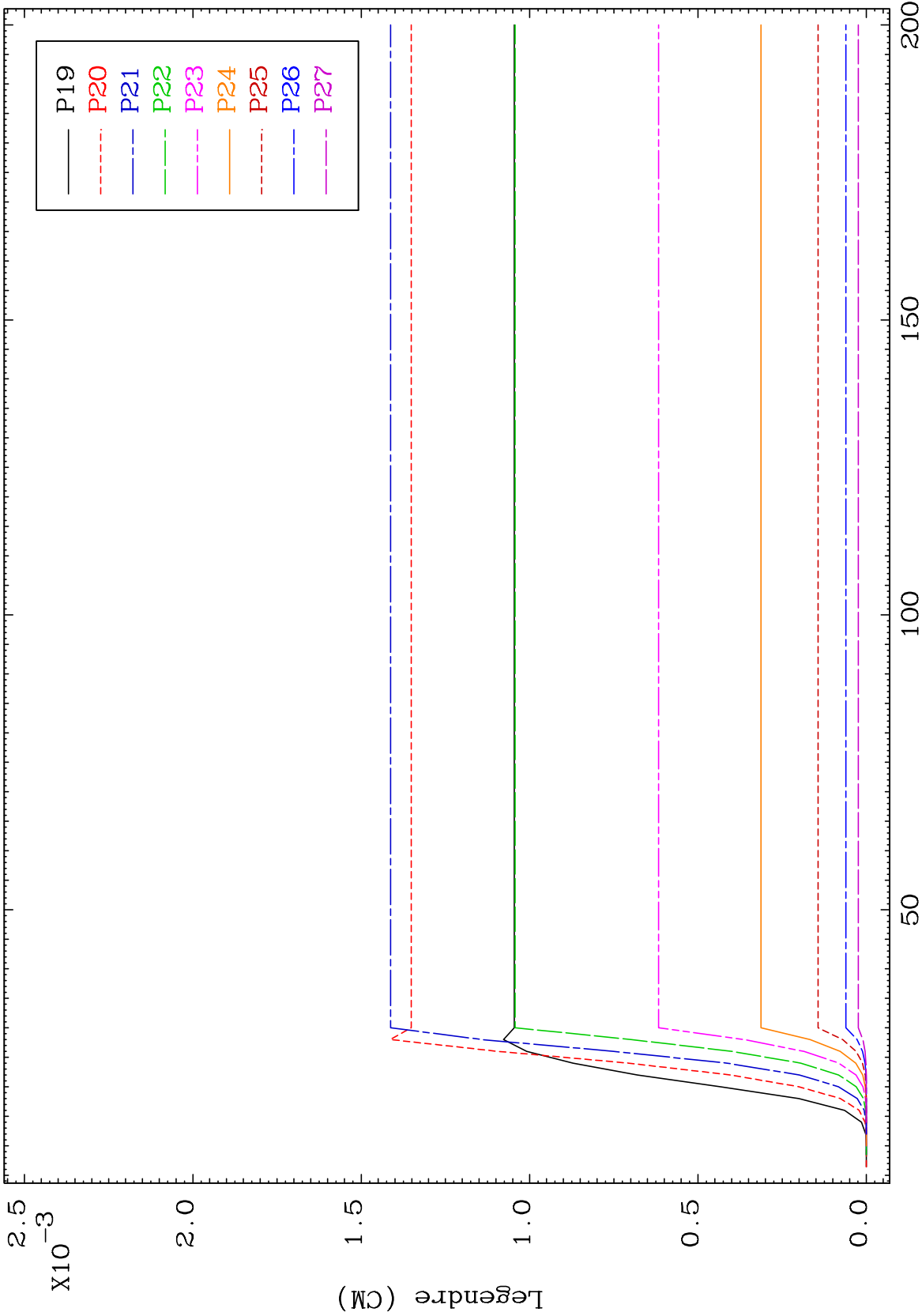
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



69

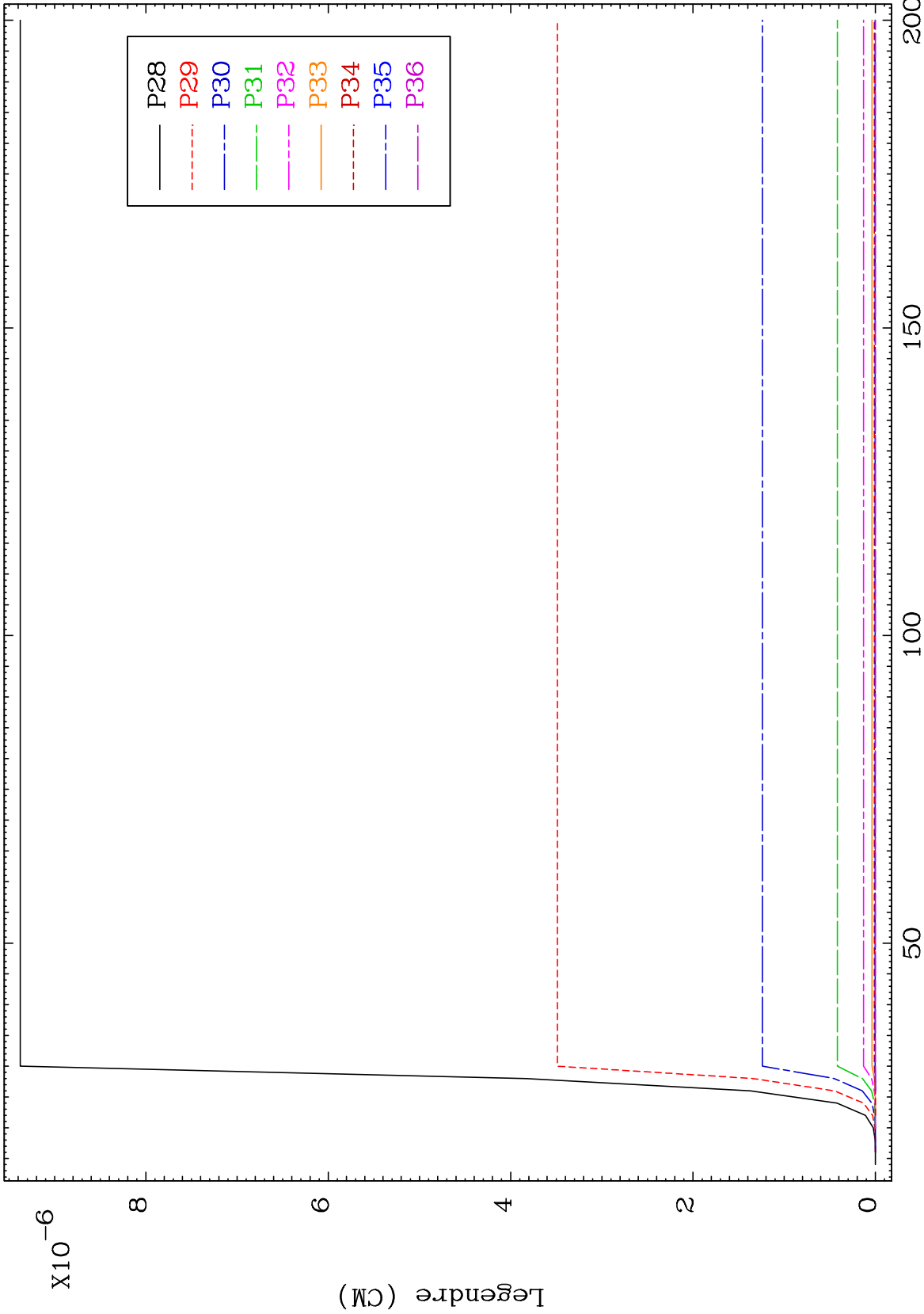
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



70

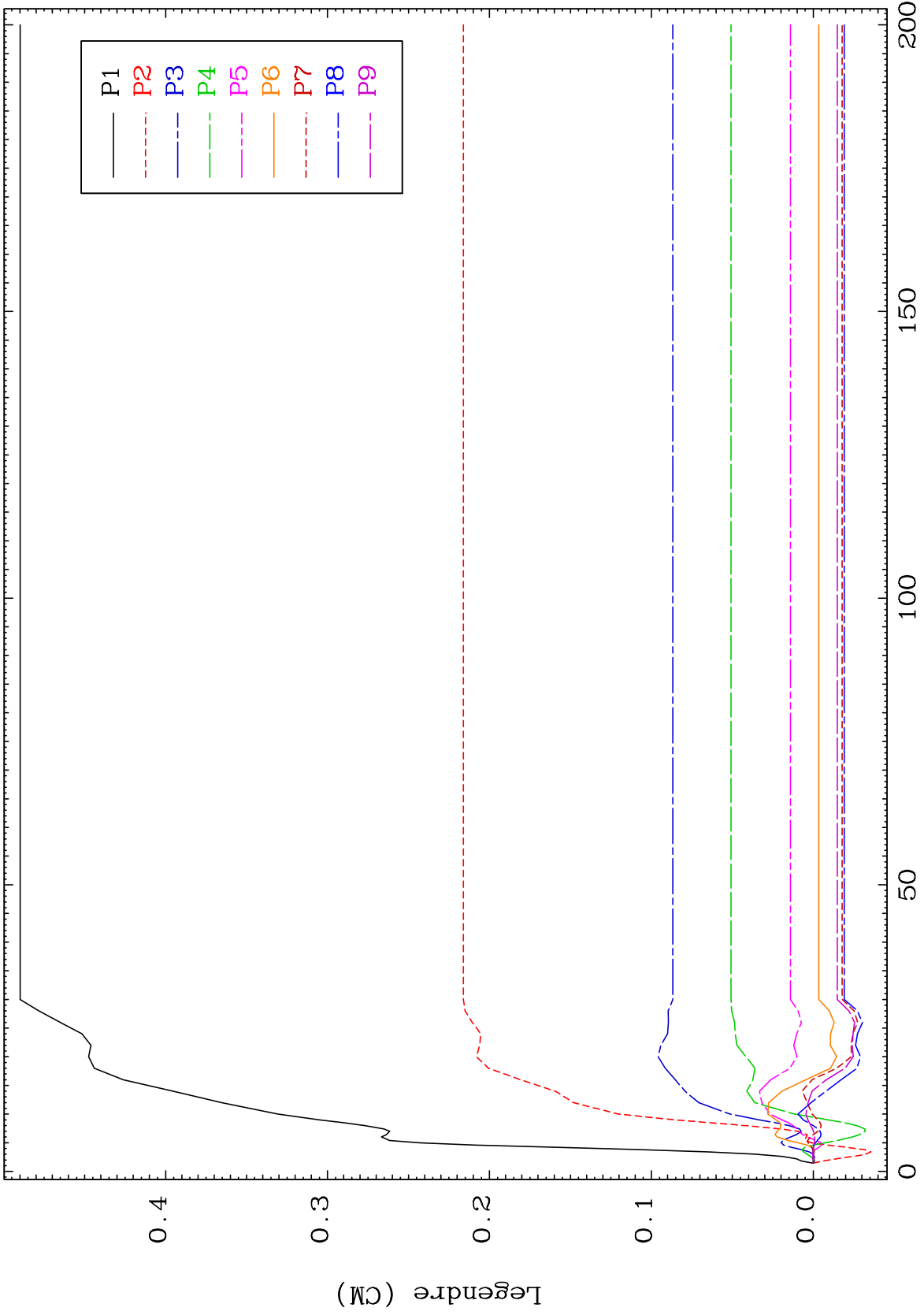
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



71

Incident Energy (MeV)

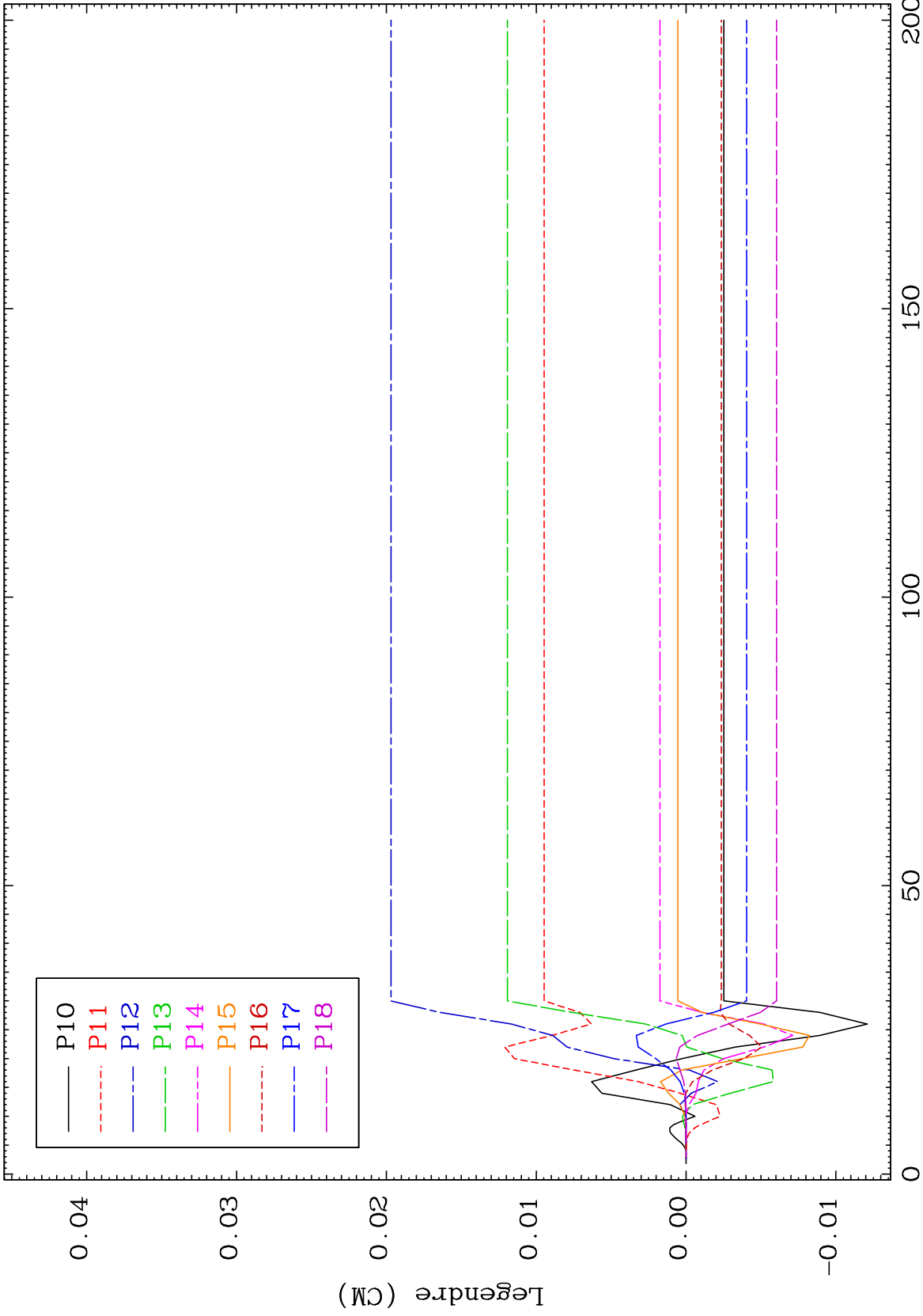
72-Hf-168



MAT 7207

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

72-Hf-168



72

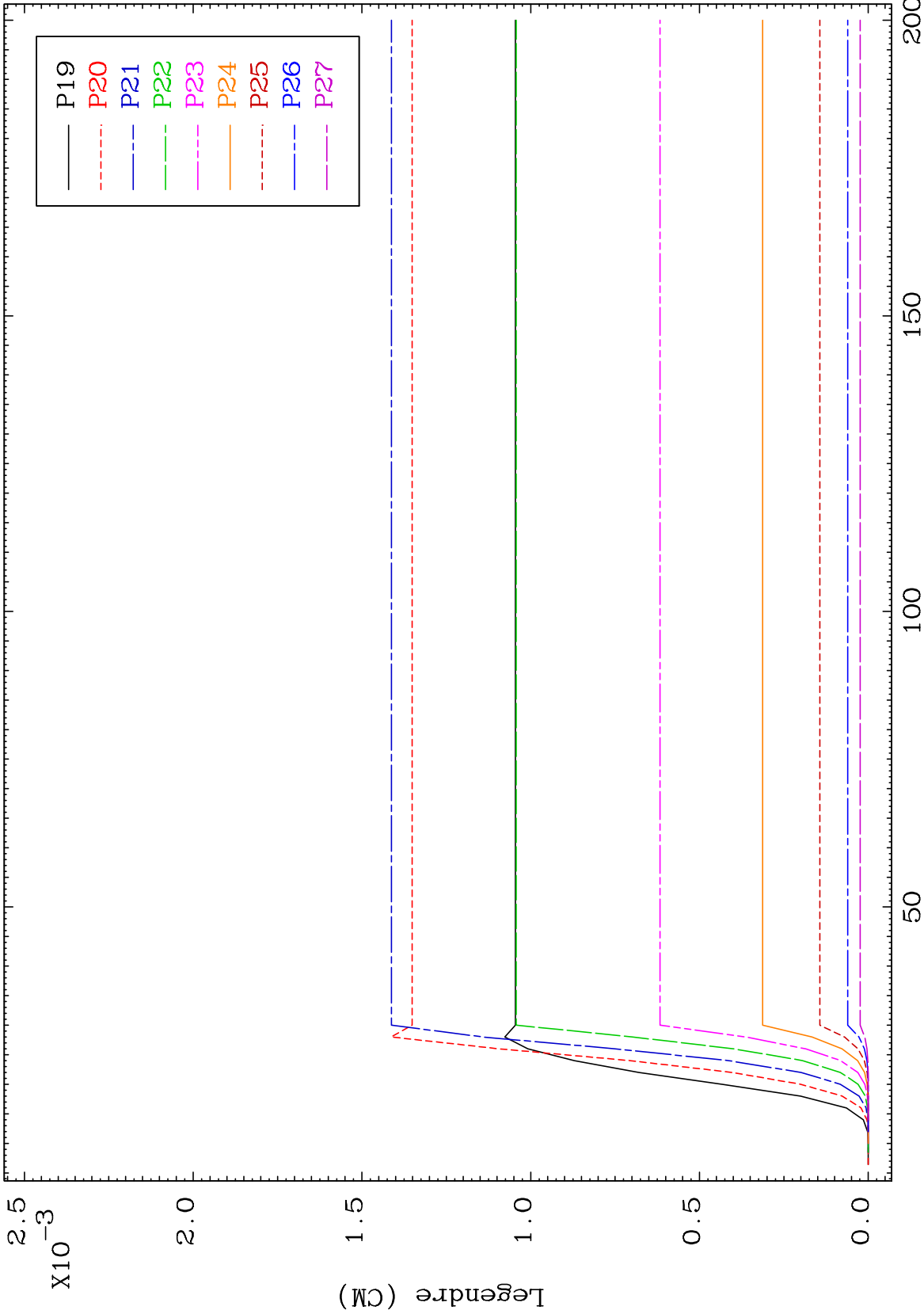
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



73

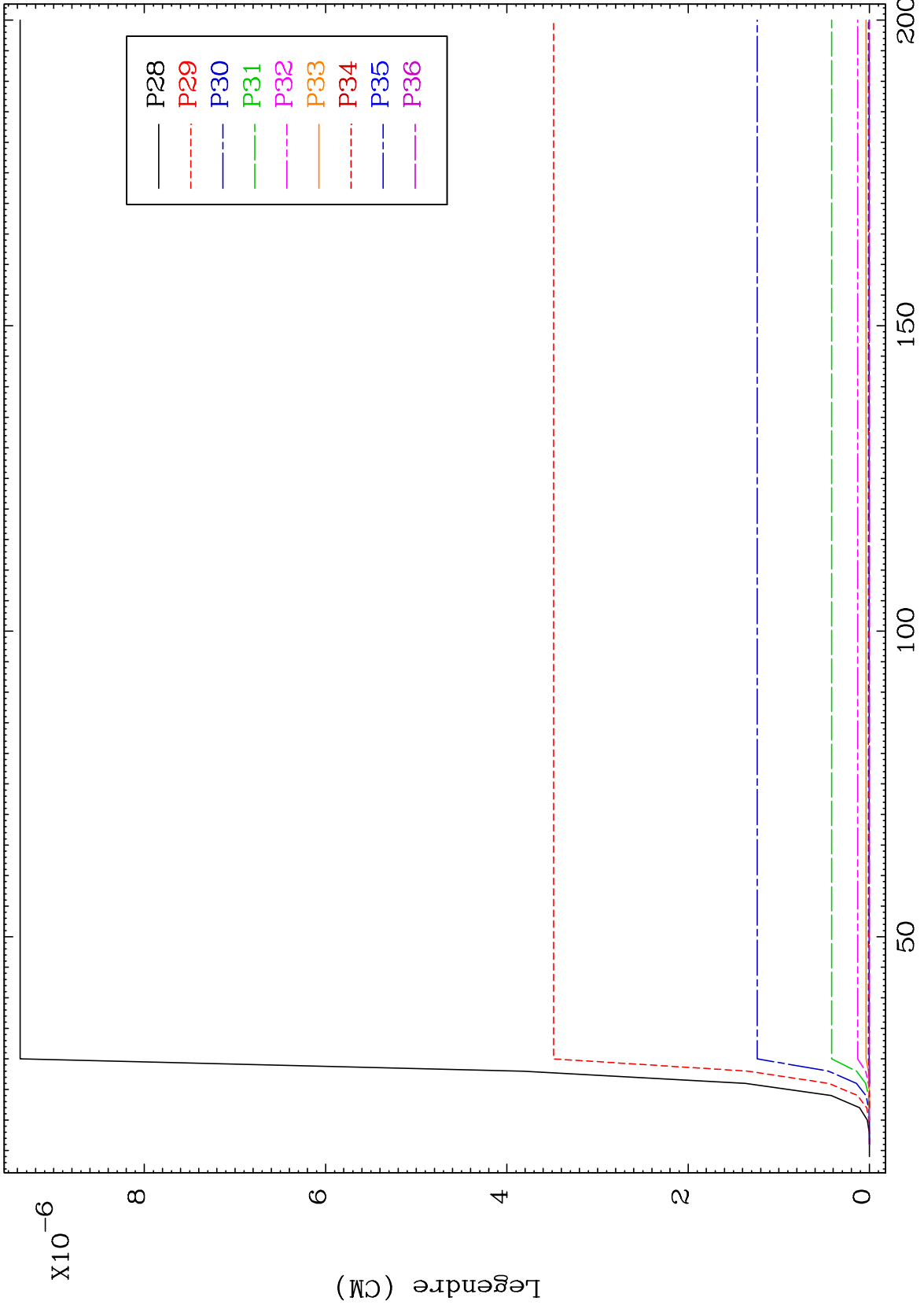
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



74

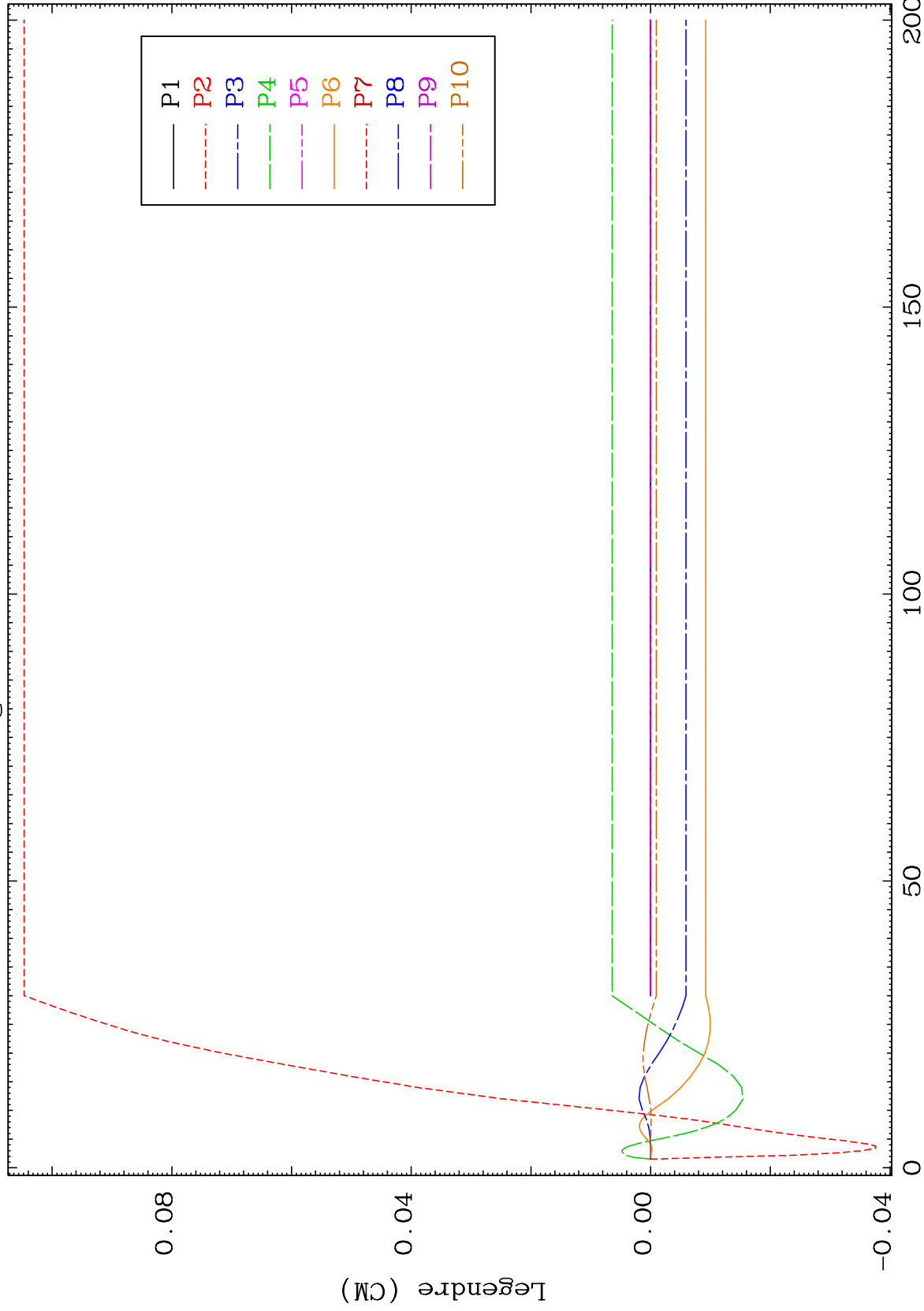
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



75

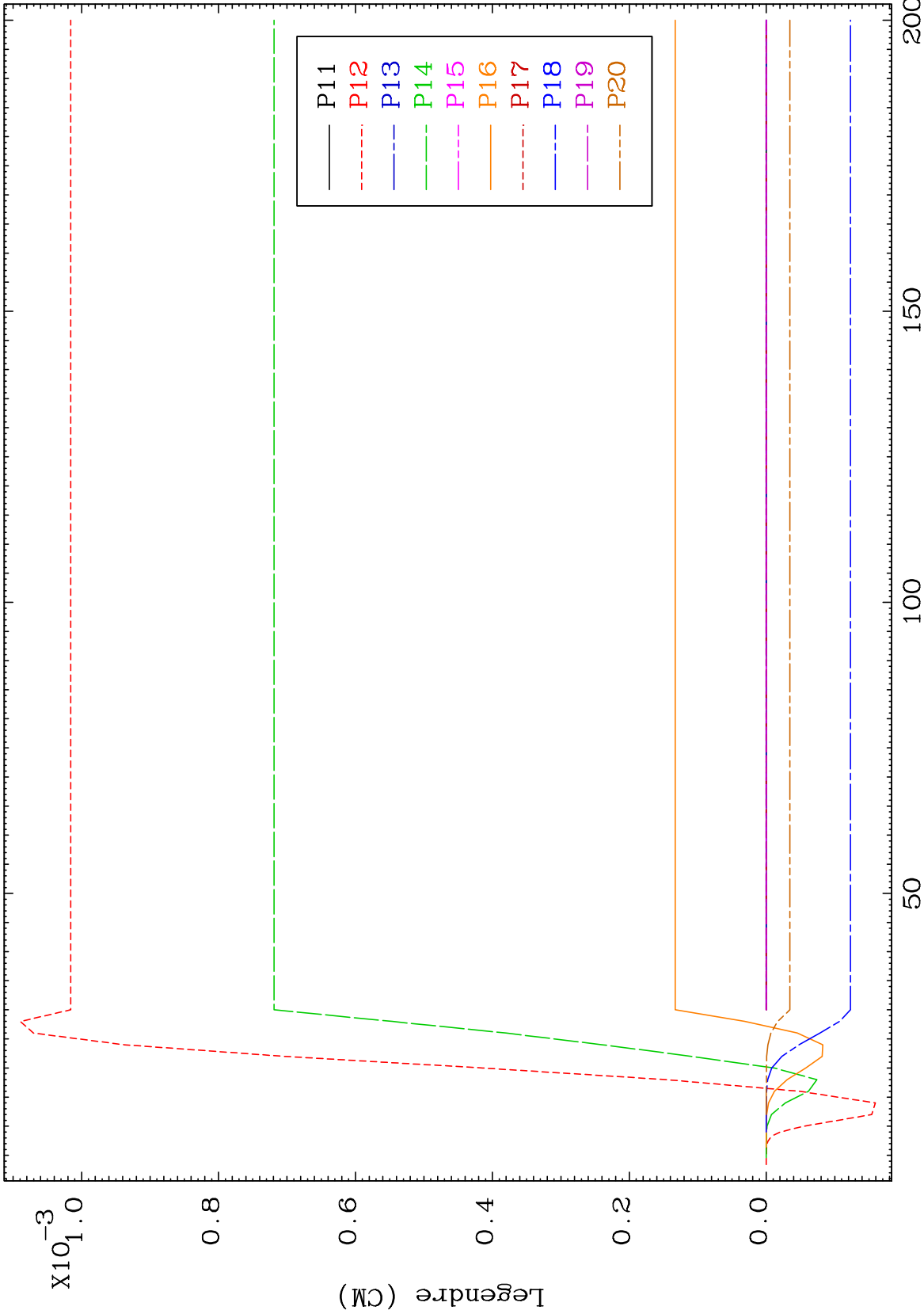
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



76

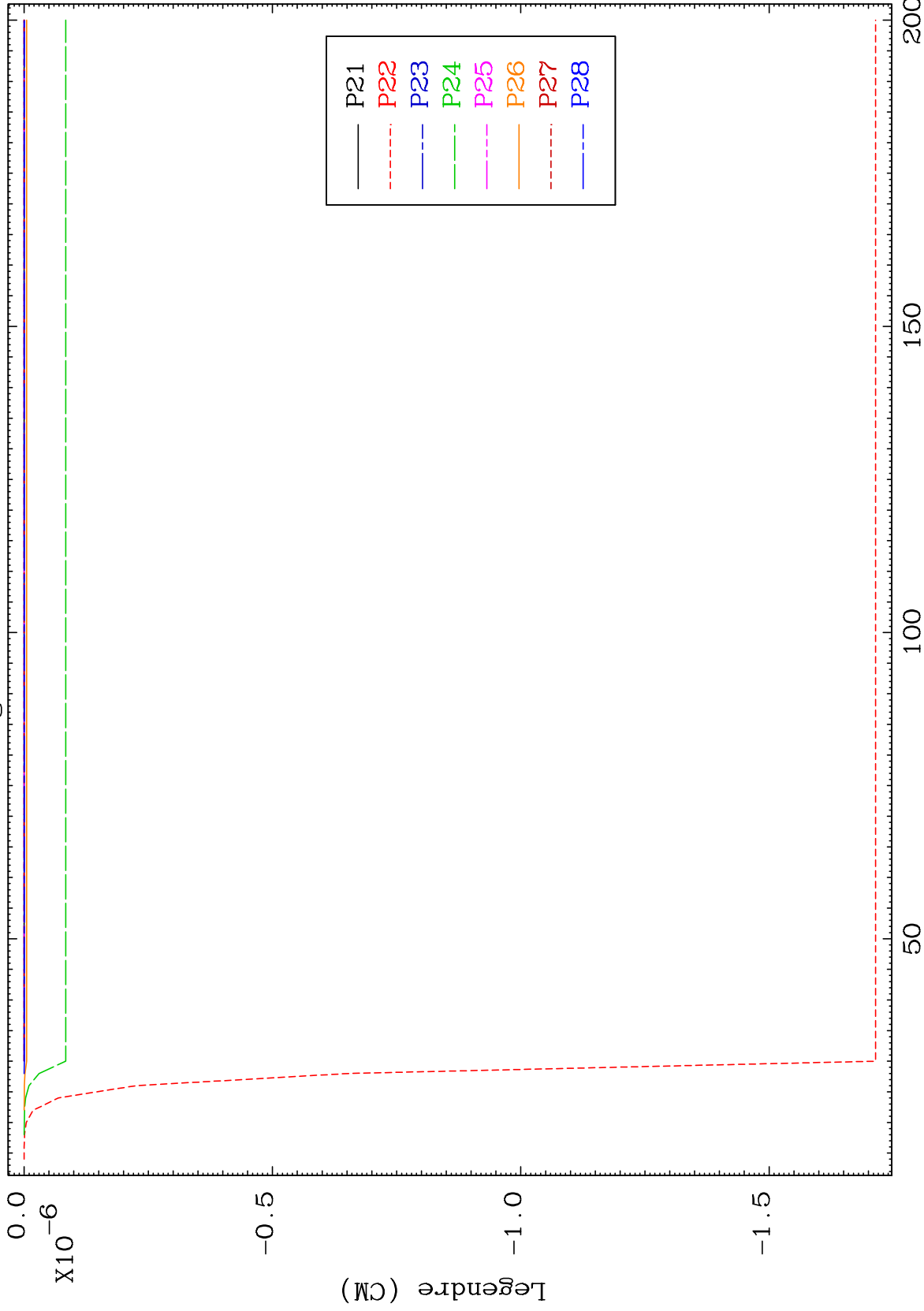
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



77

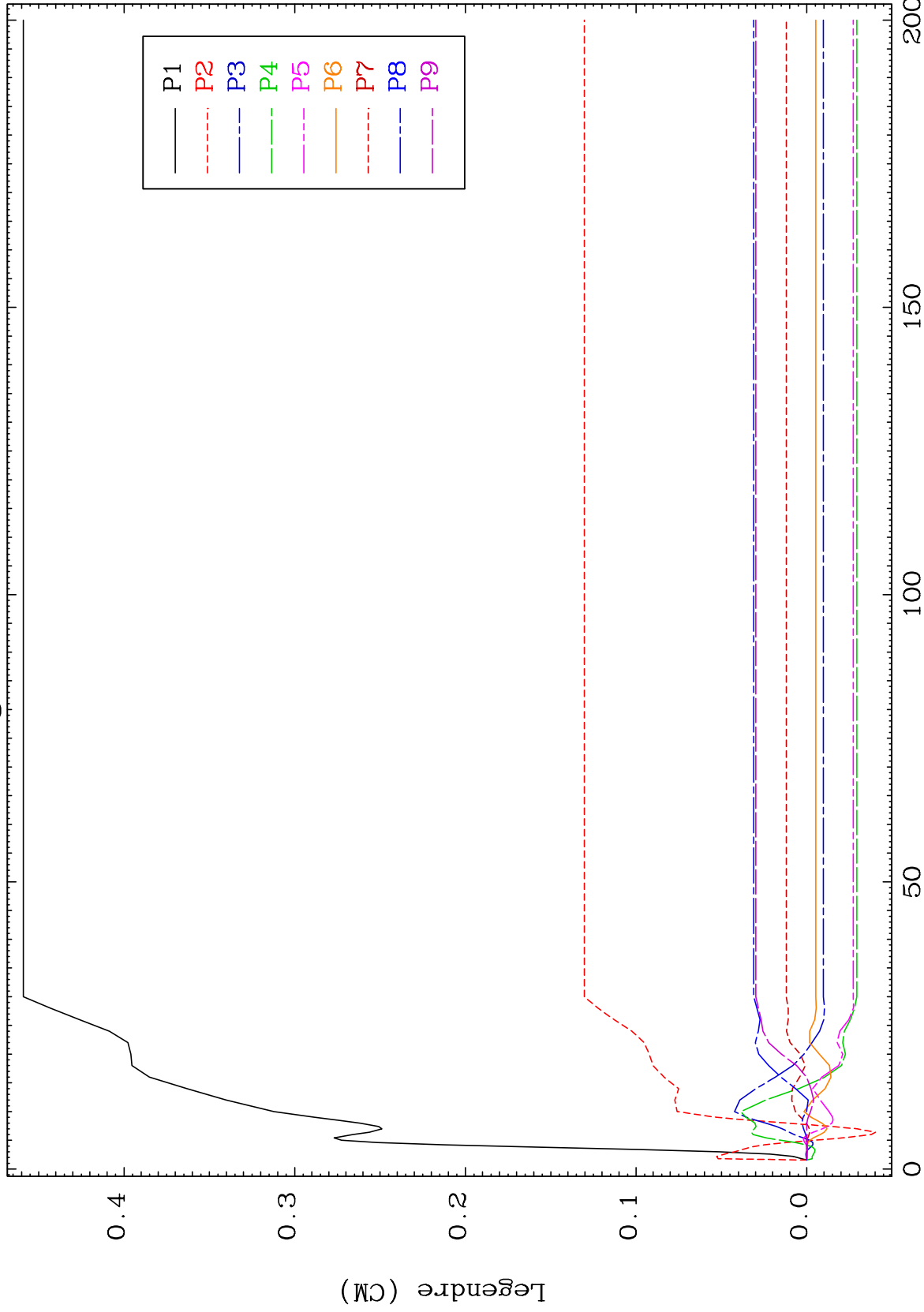
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



78

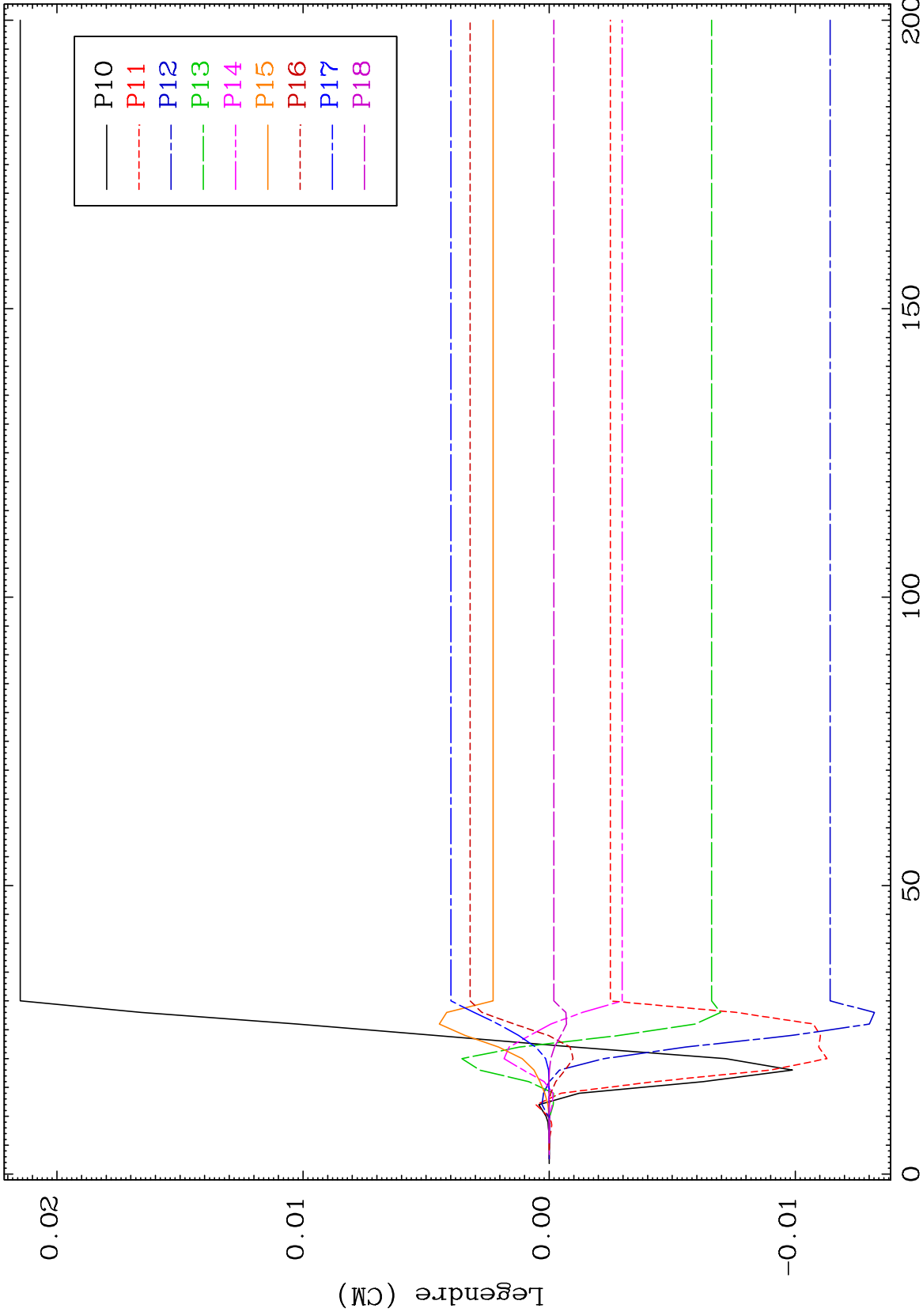
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



79

Incident Energy (MeV)

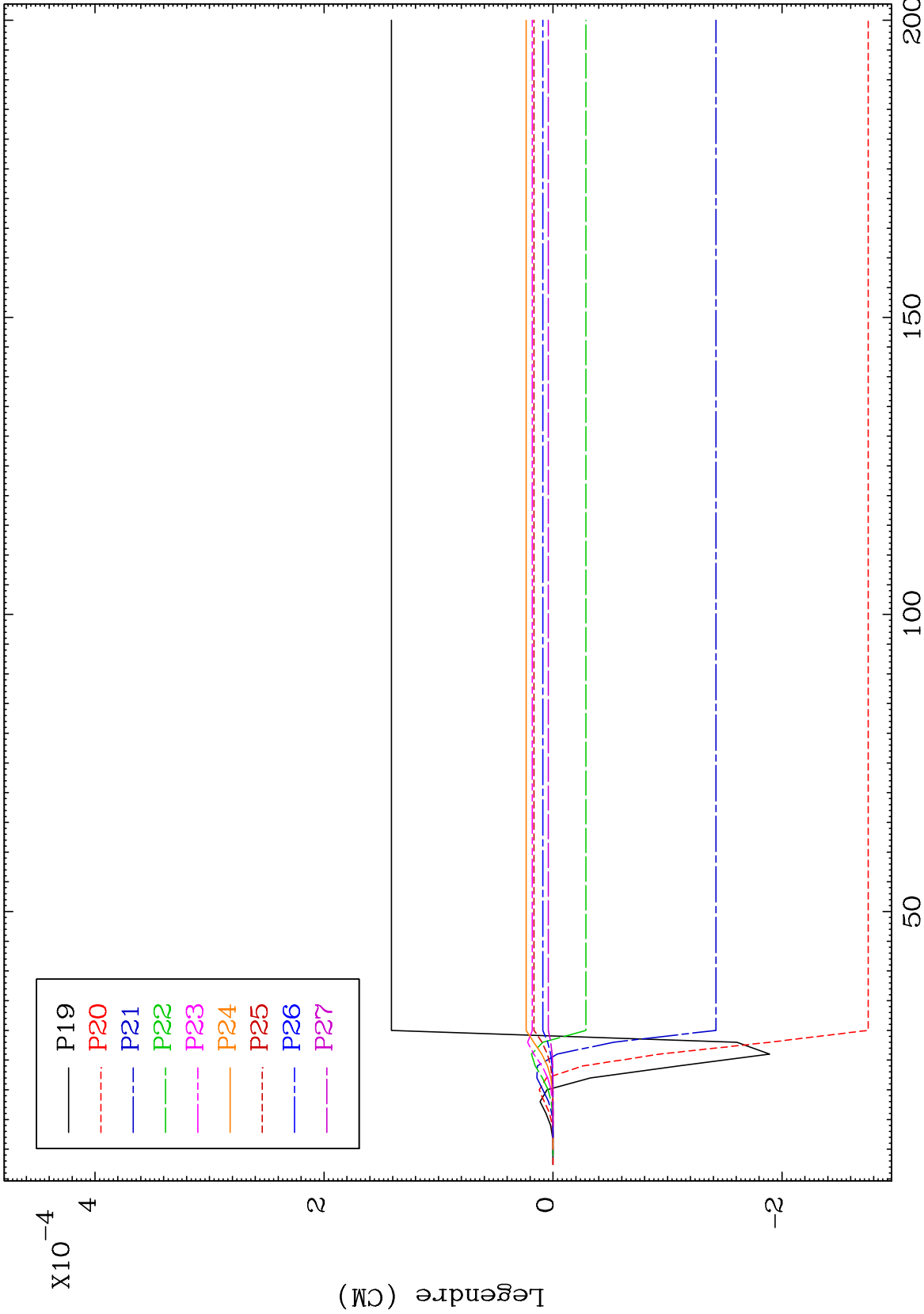
72-Hf-168



MAT 7207

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

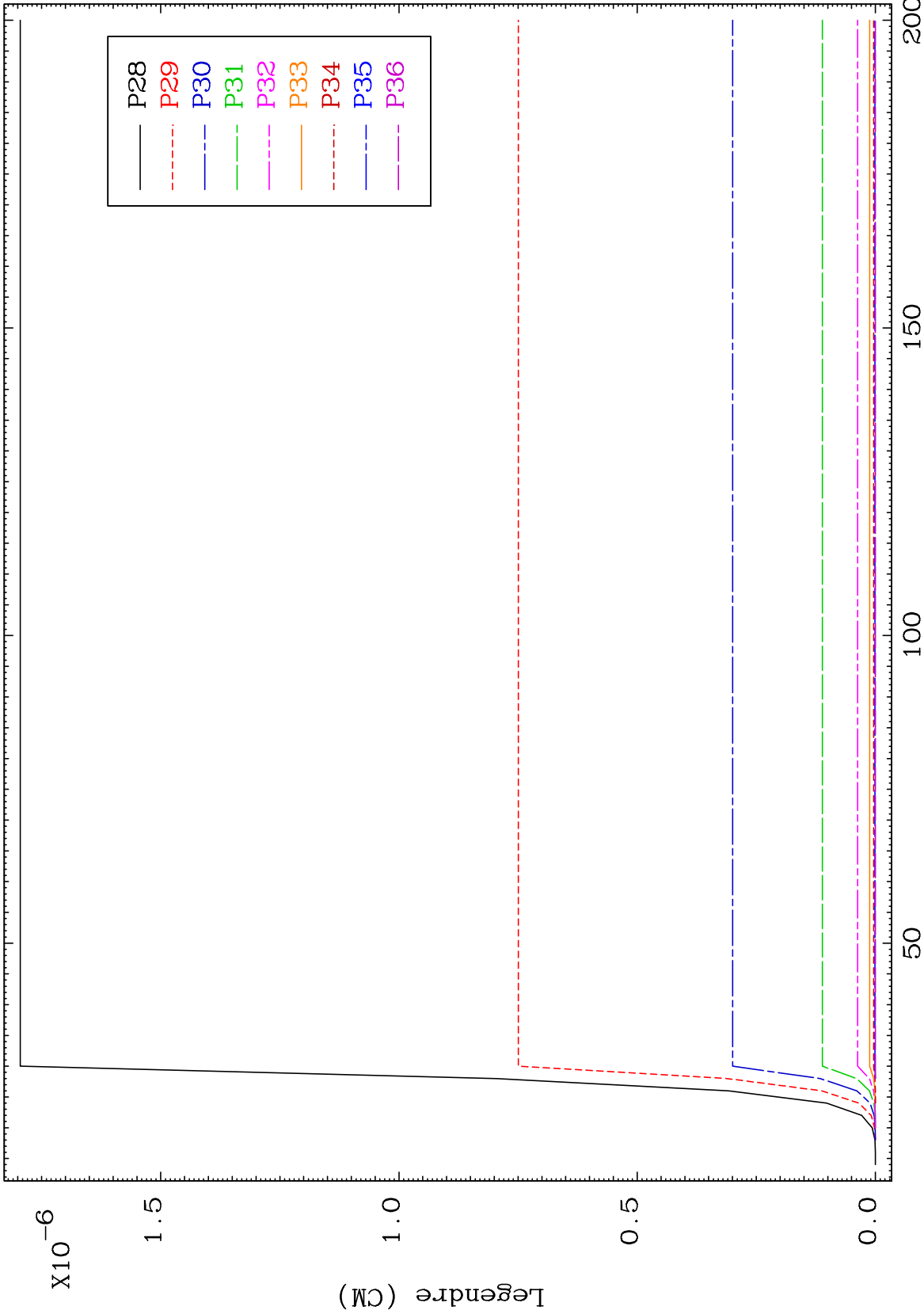
72-Hf-168



80

Incident Energy (MeV)

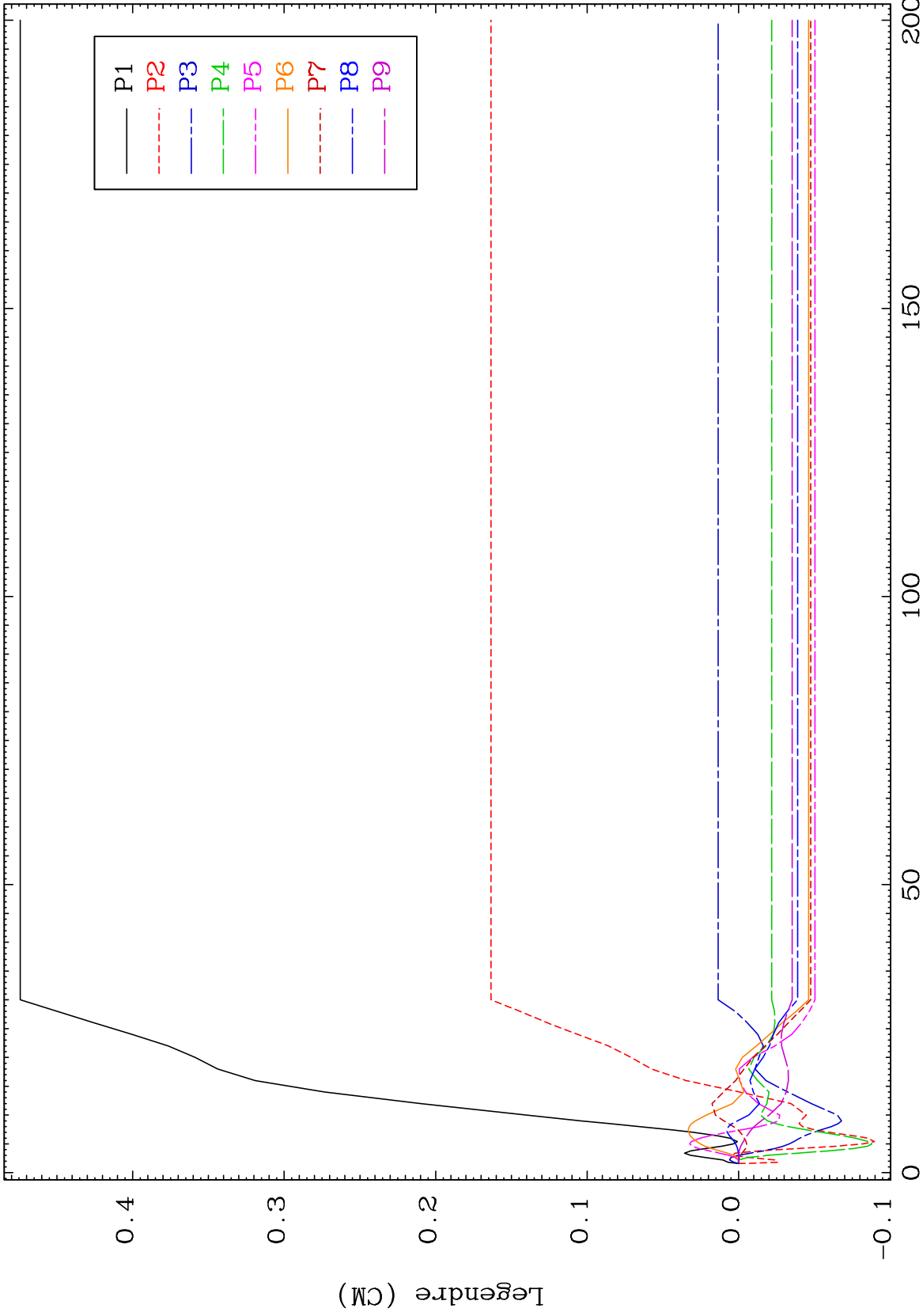
72-Hf-168



MAT 7207

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

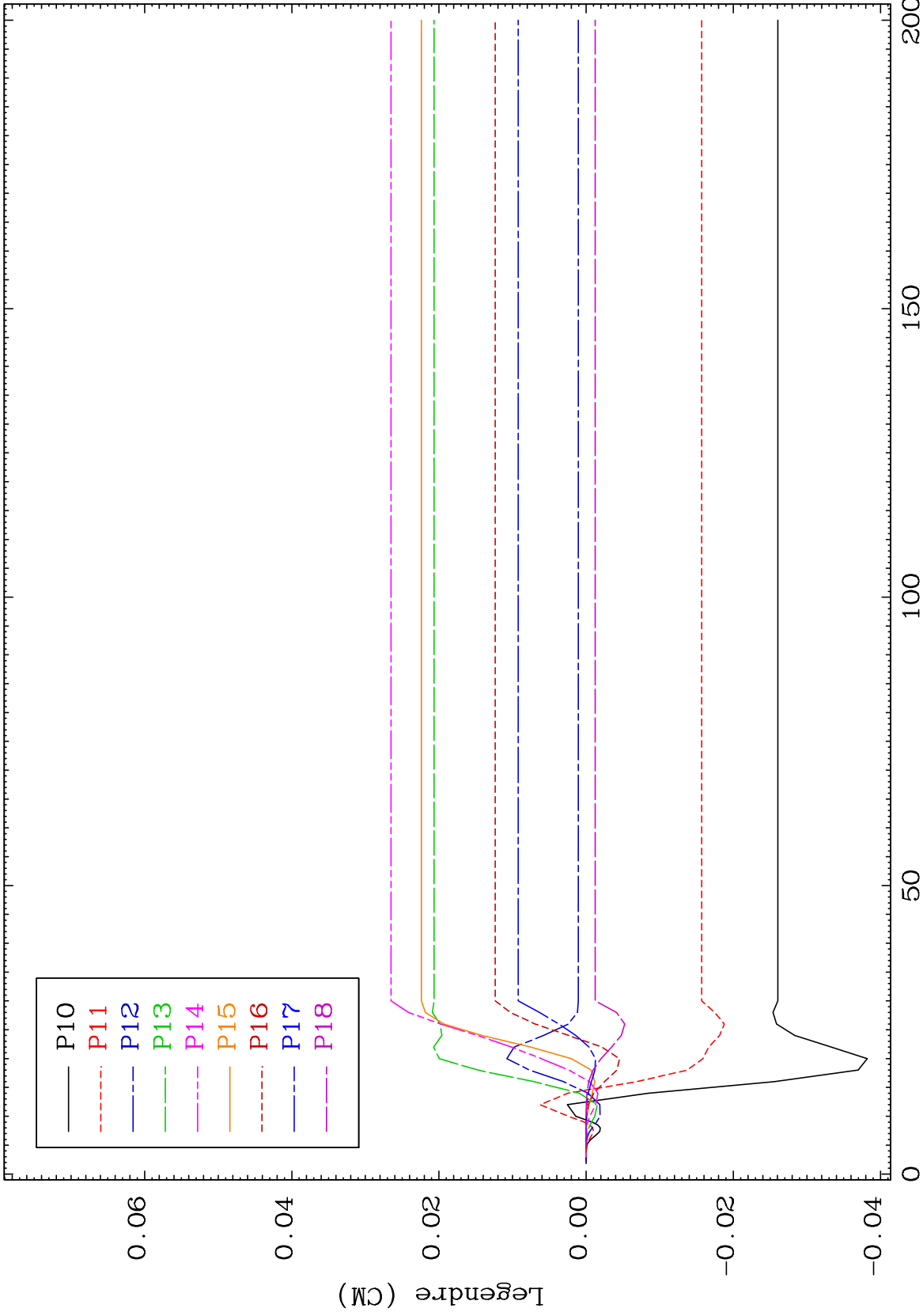
72-Hf-168



82

Incident Energy (MeV)

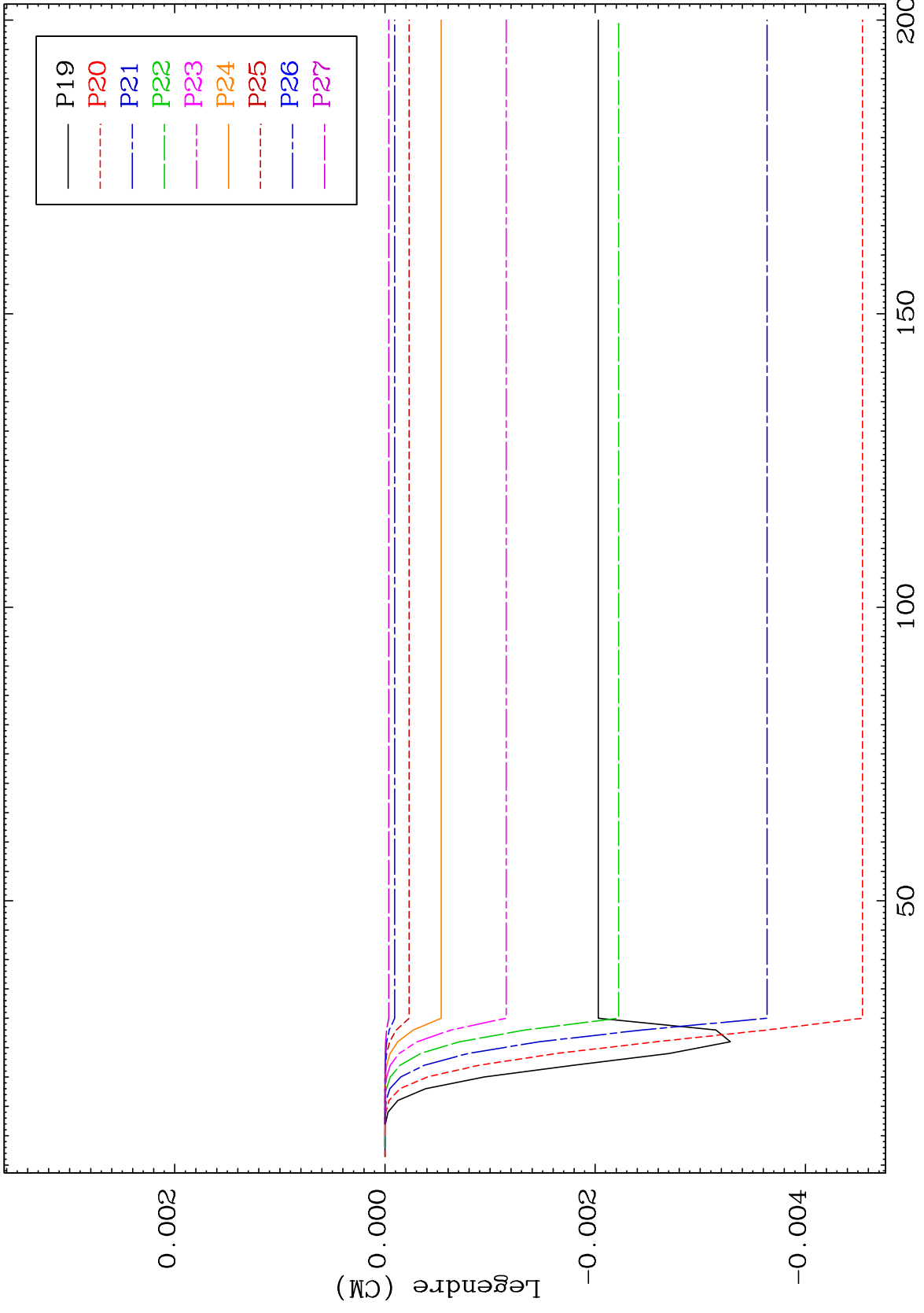
72-Hf-168



MAT 7207

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

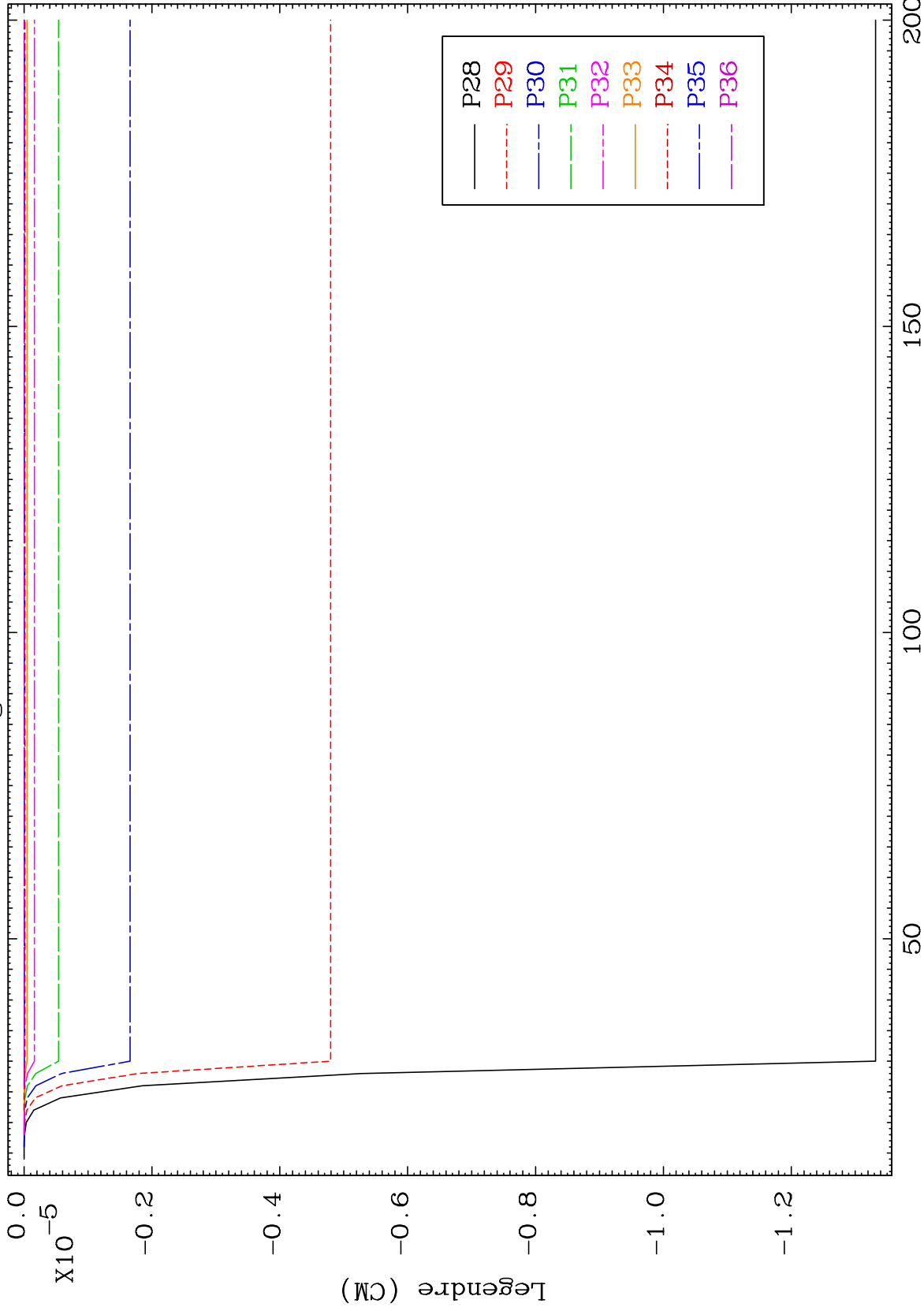
72-Hf-168



84

Incident Energy (MeV)

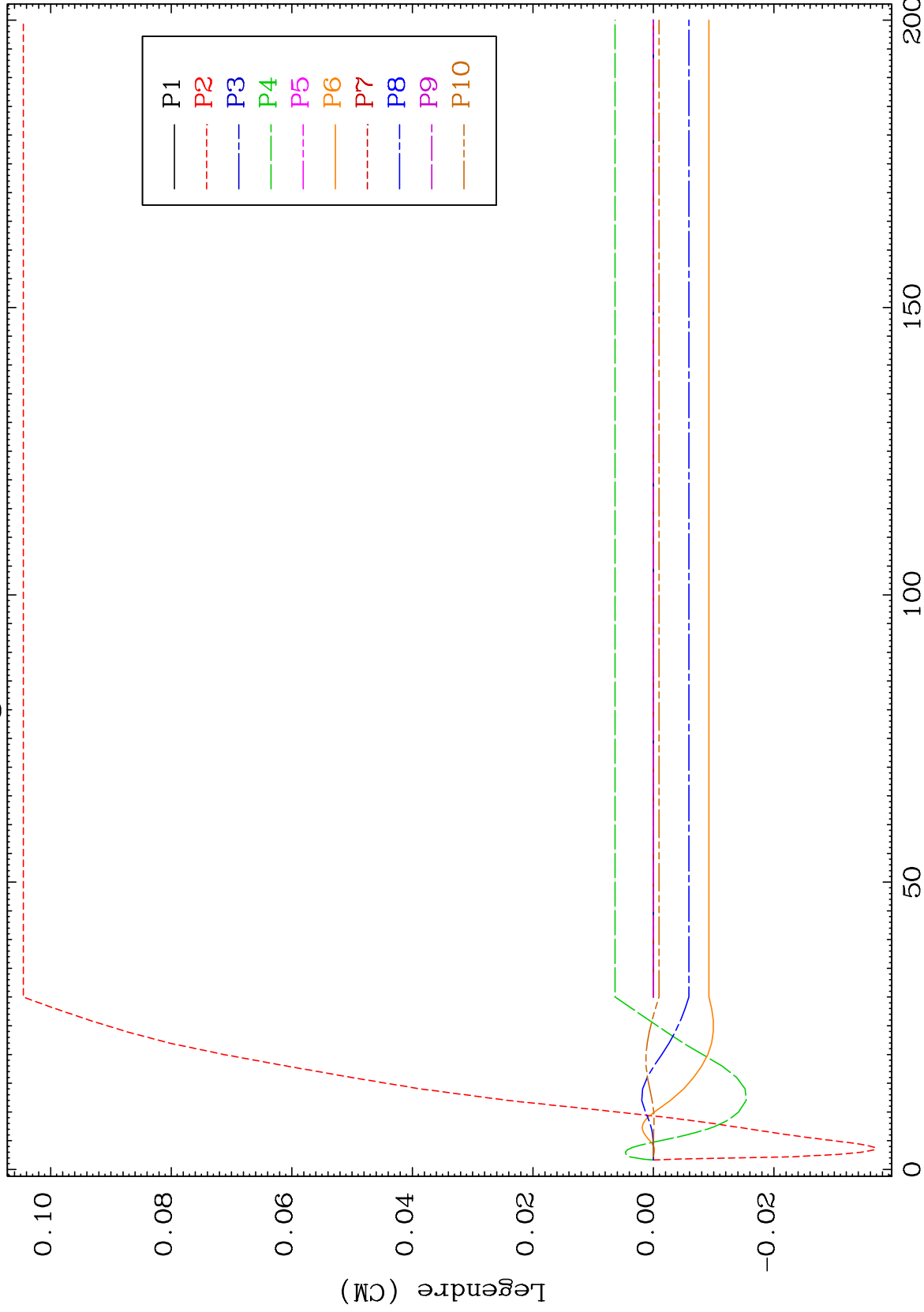
72-Hf-168



MAT 7207

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

72-Hf-168



86

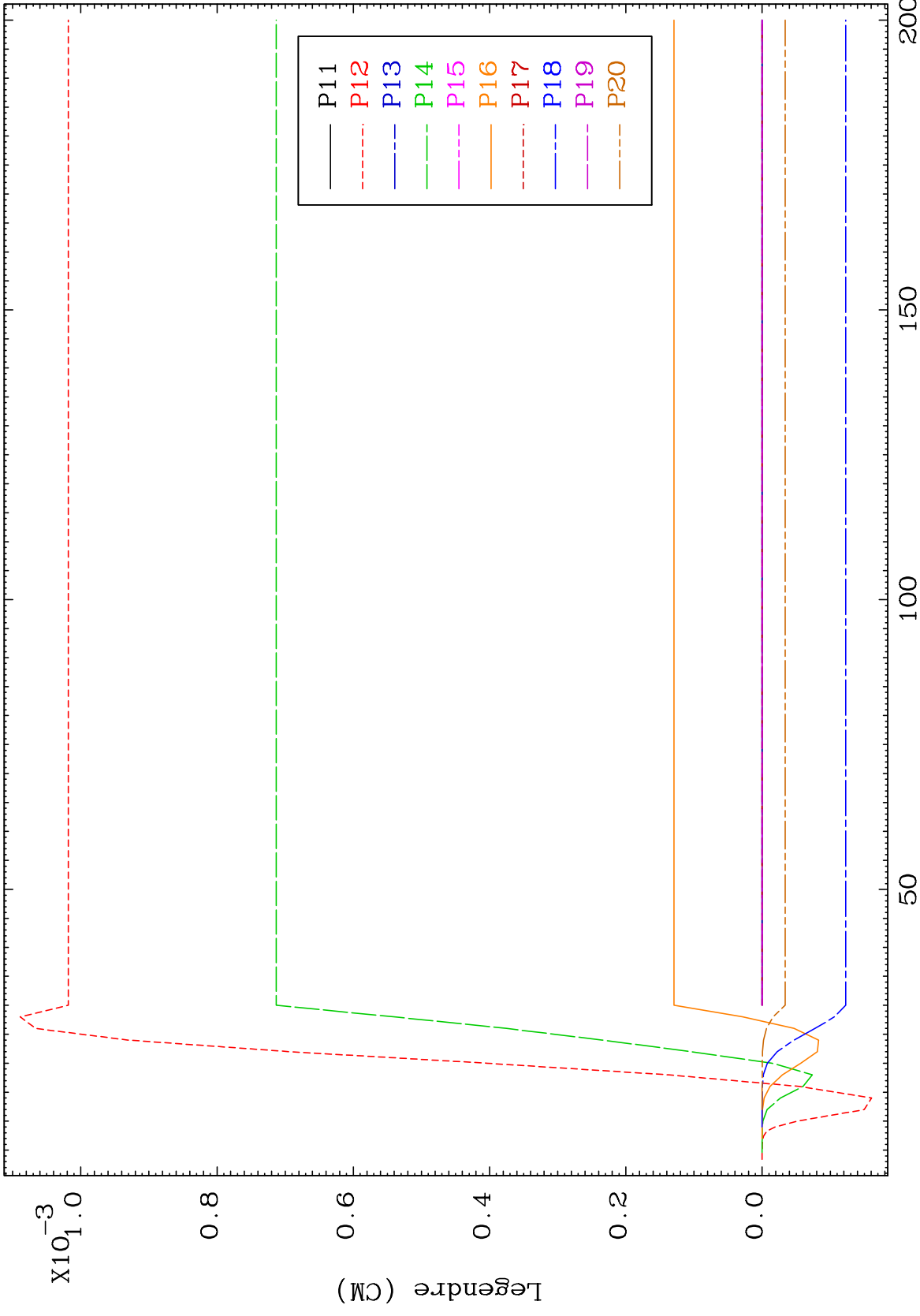
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



87

Incident Energy (MeV)

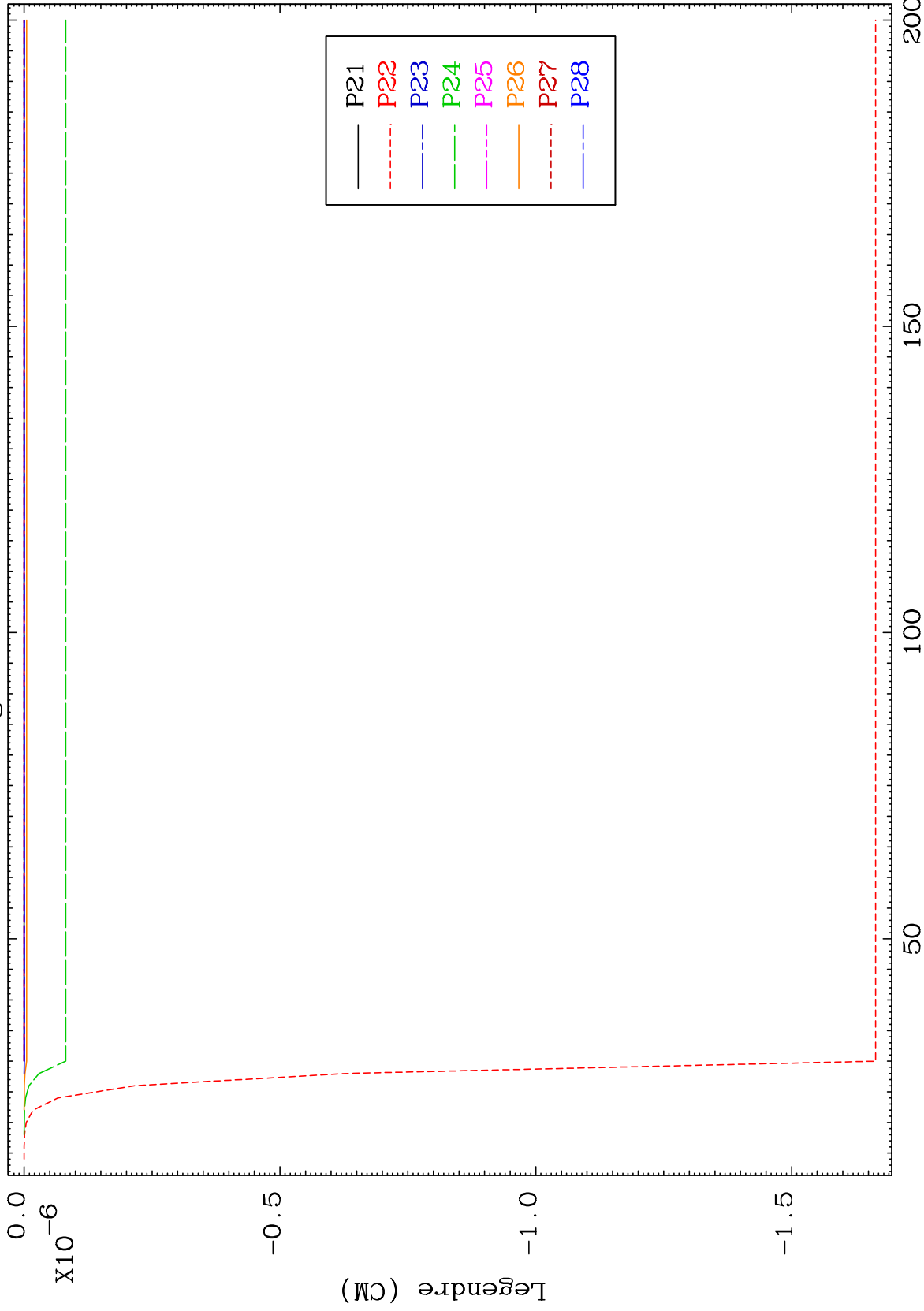
72-Hf-168



MAT 7207

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

72-Hf-168



88

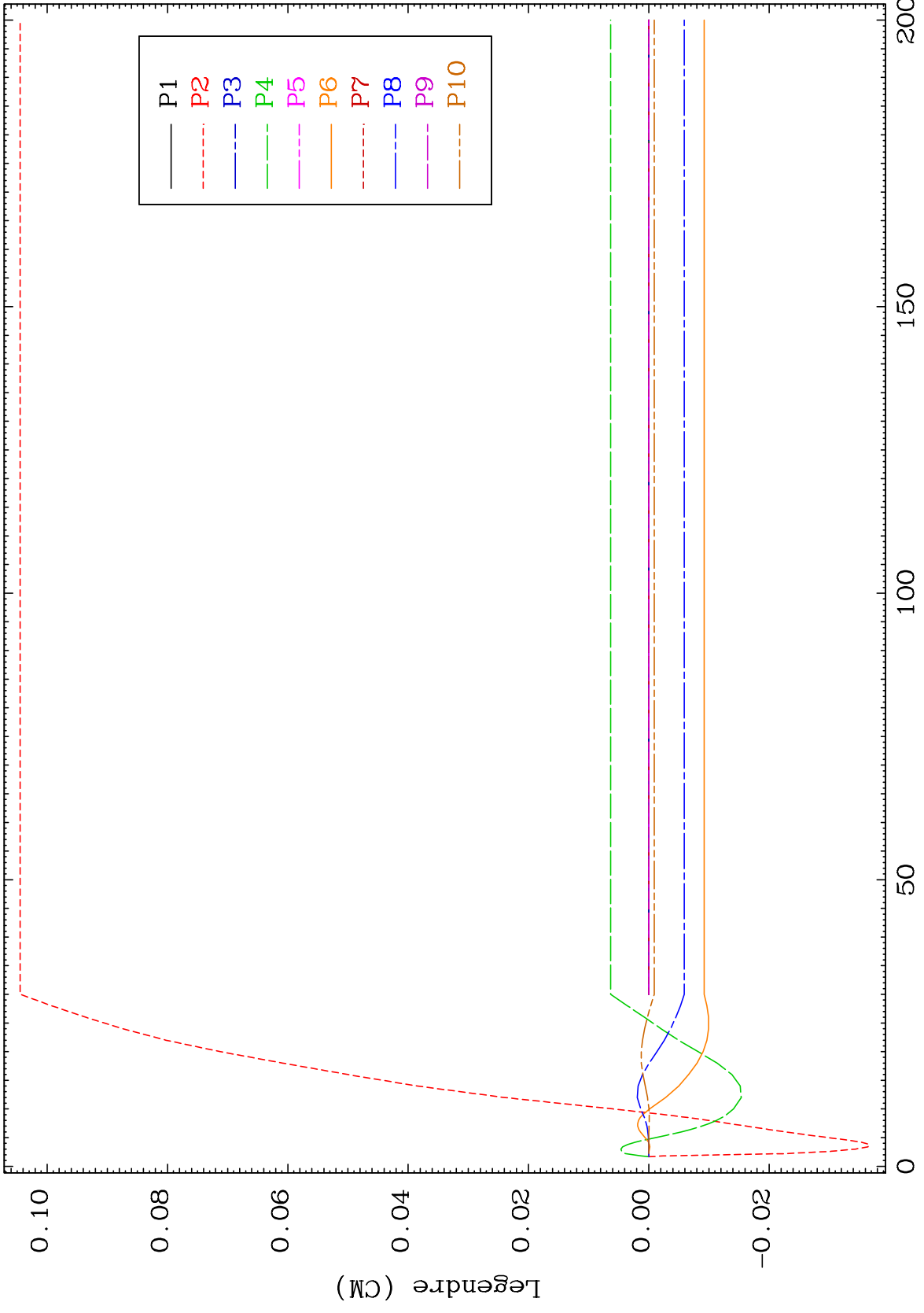
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



89

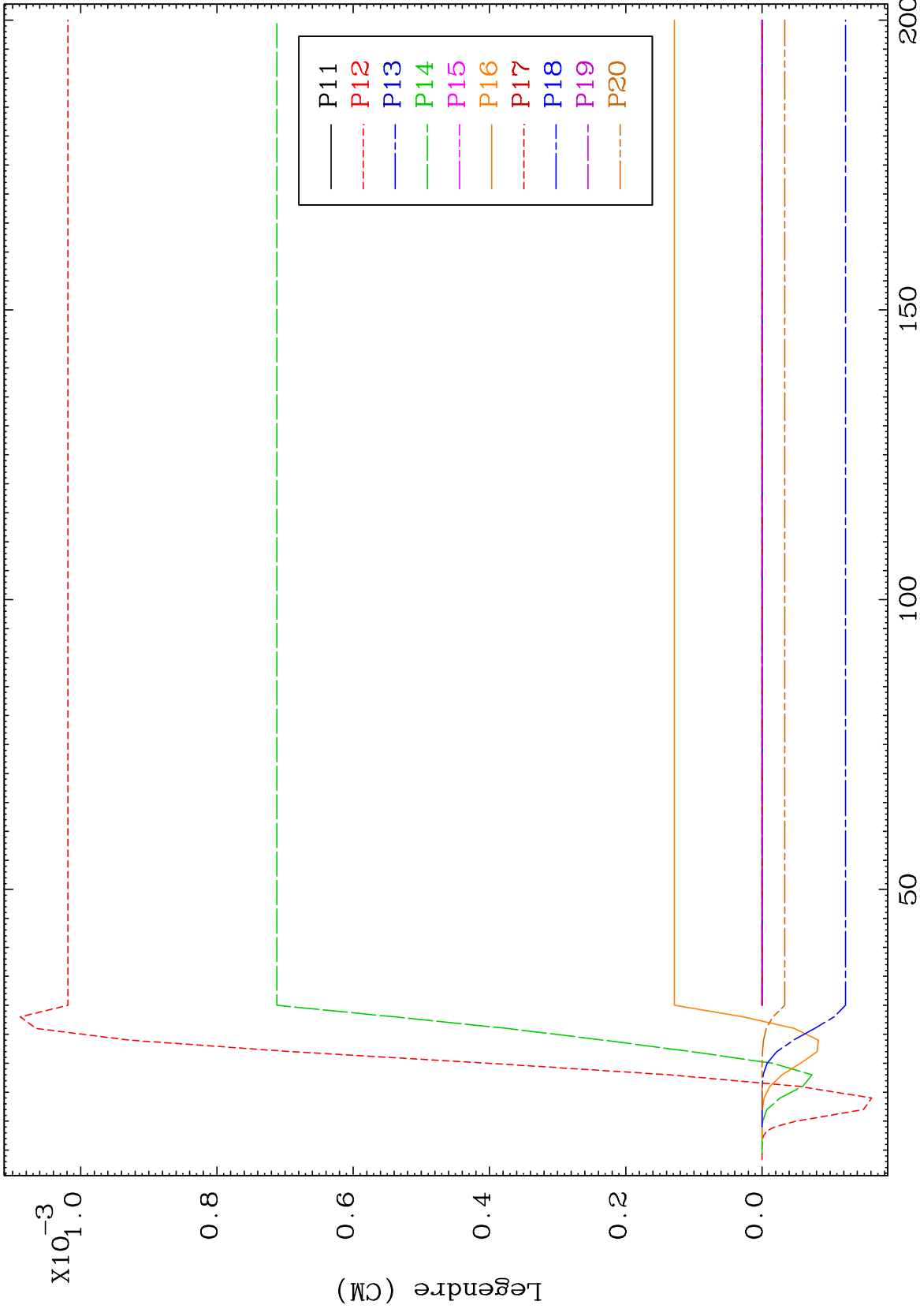
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



90

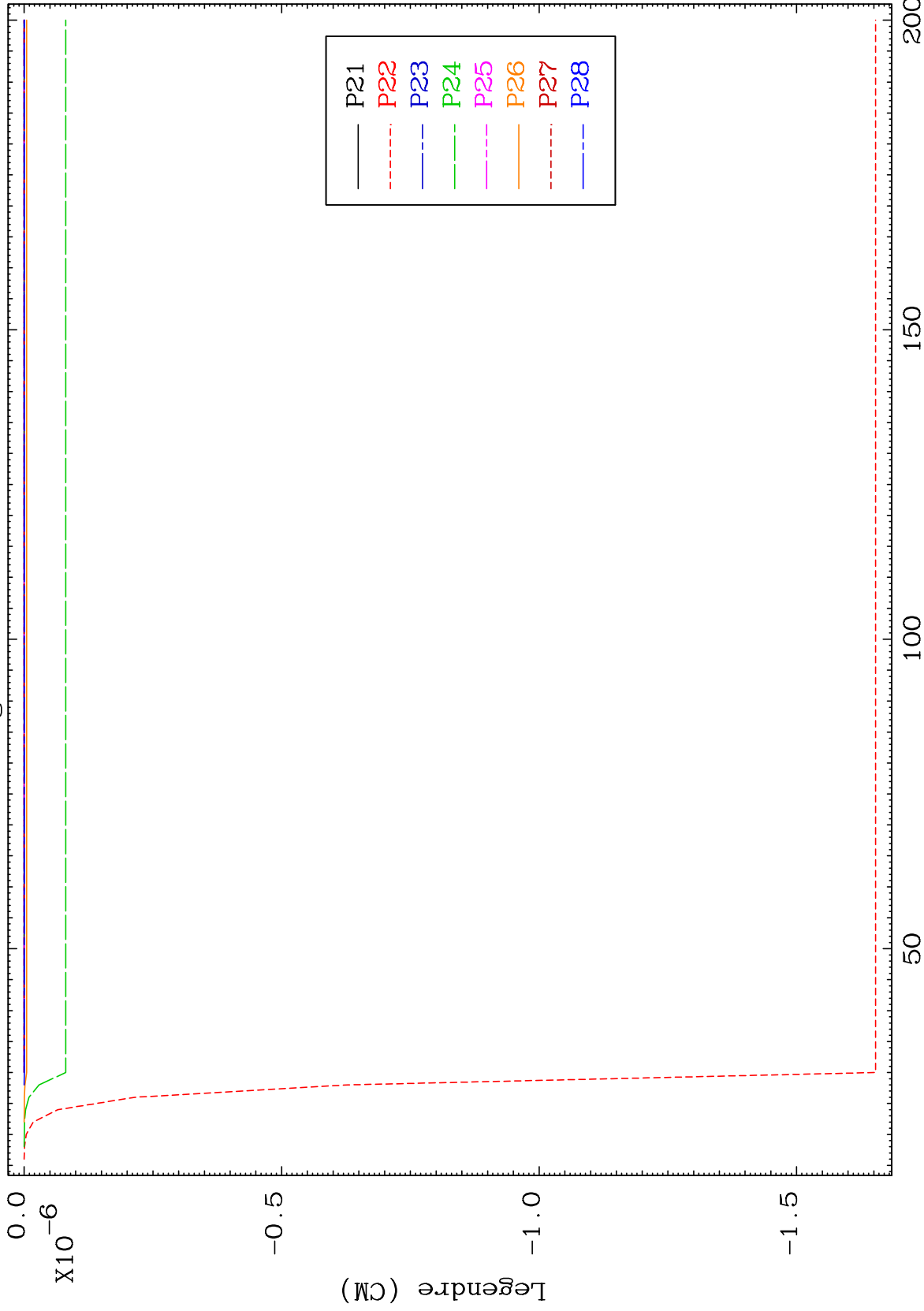
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



91

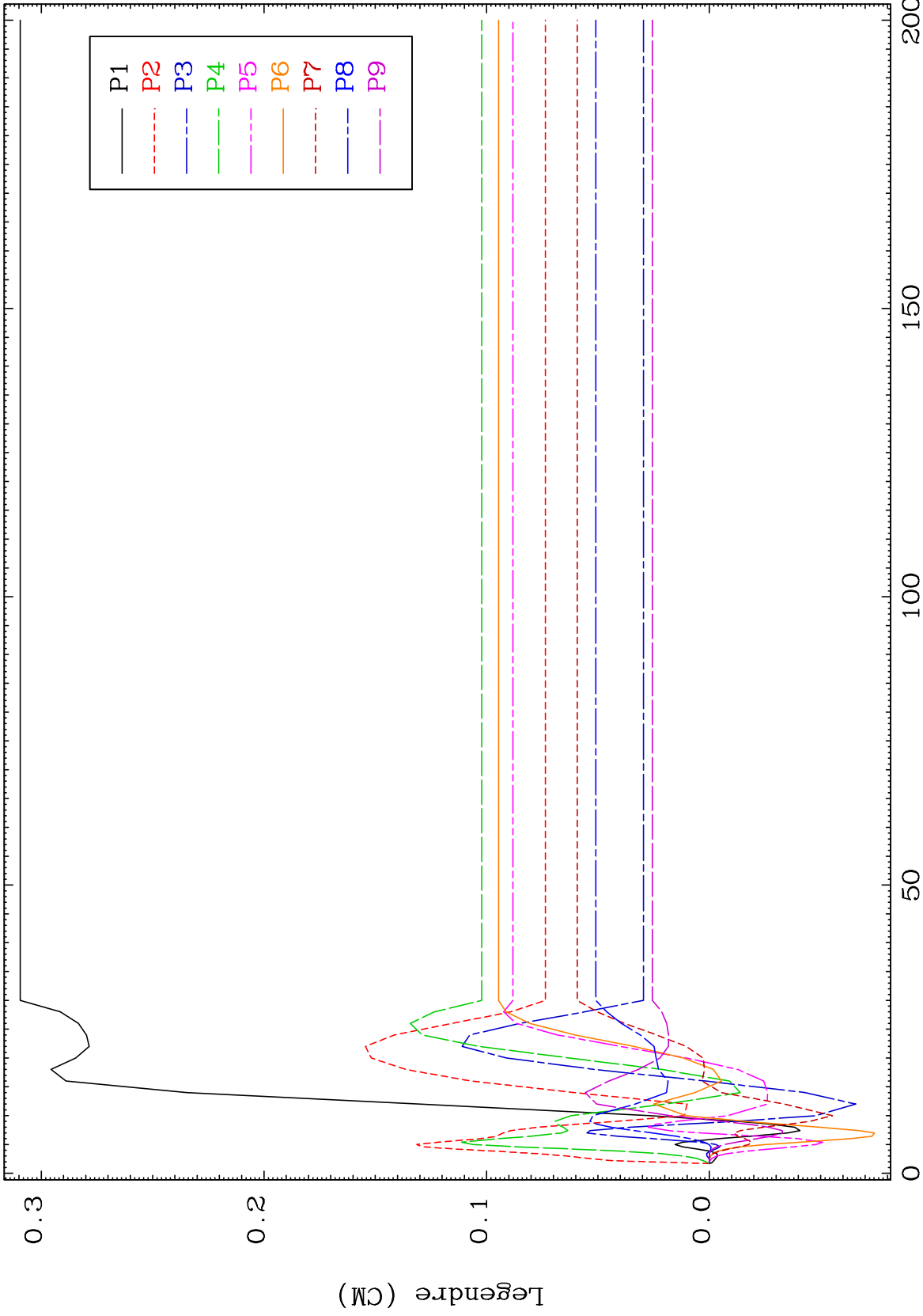
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



92

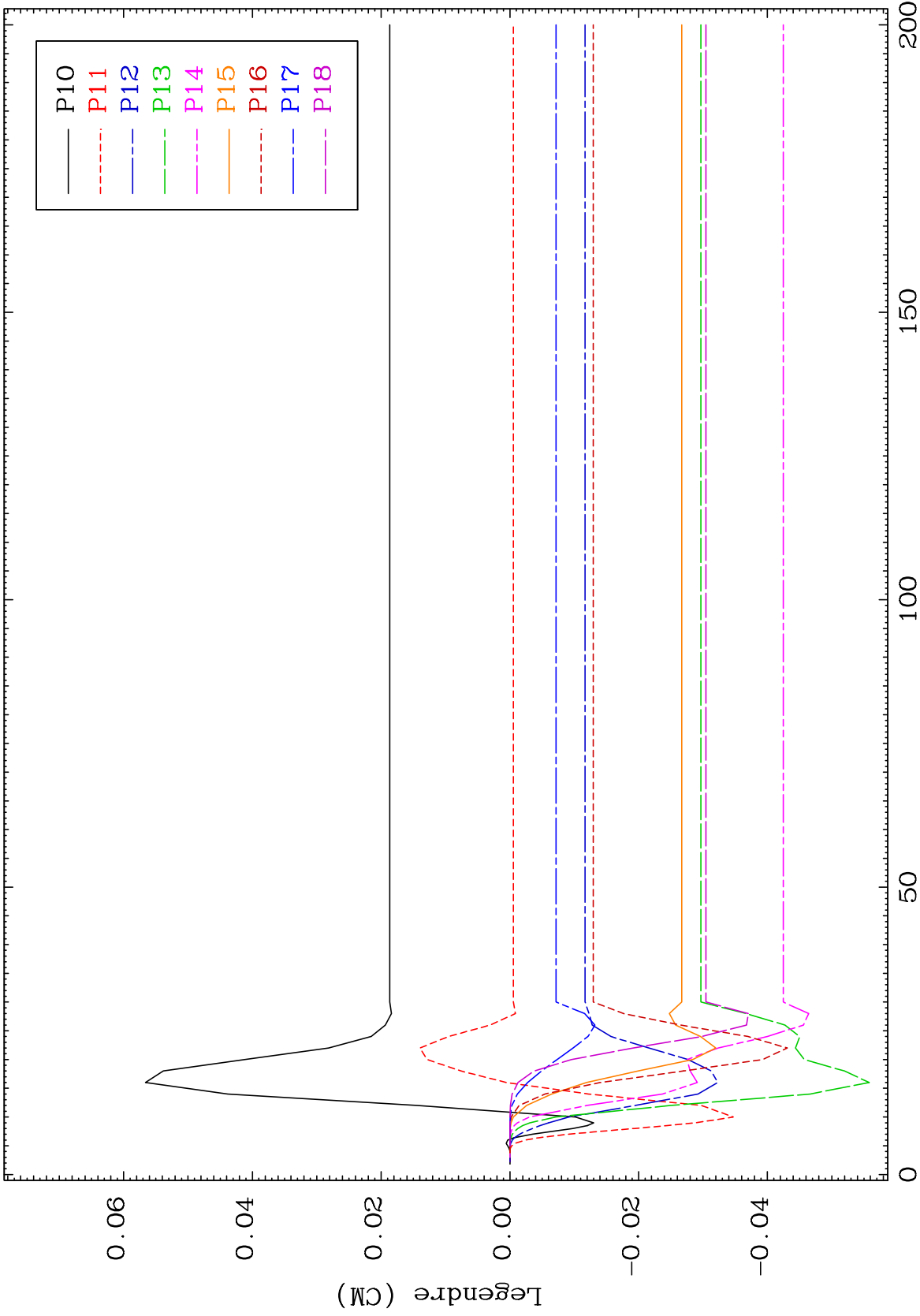
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



93

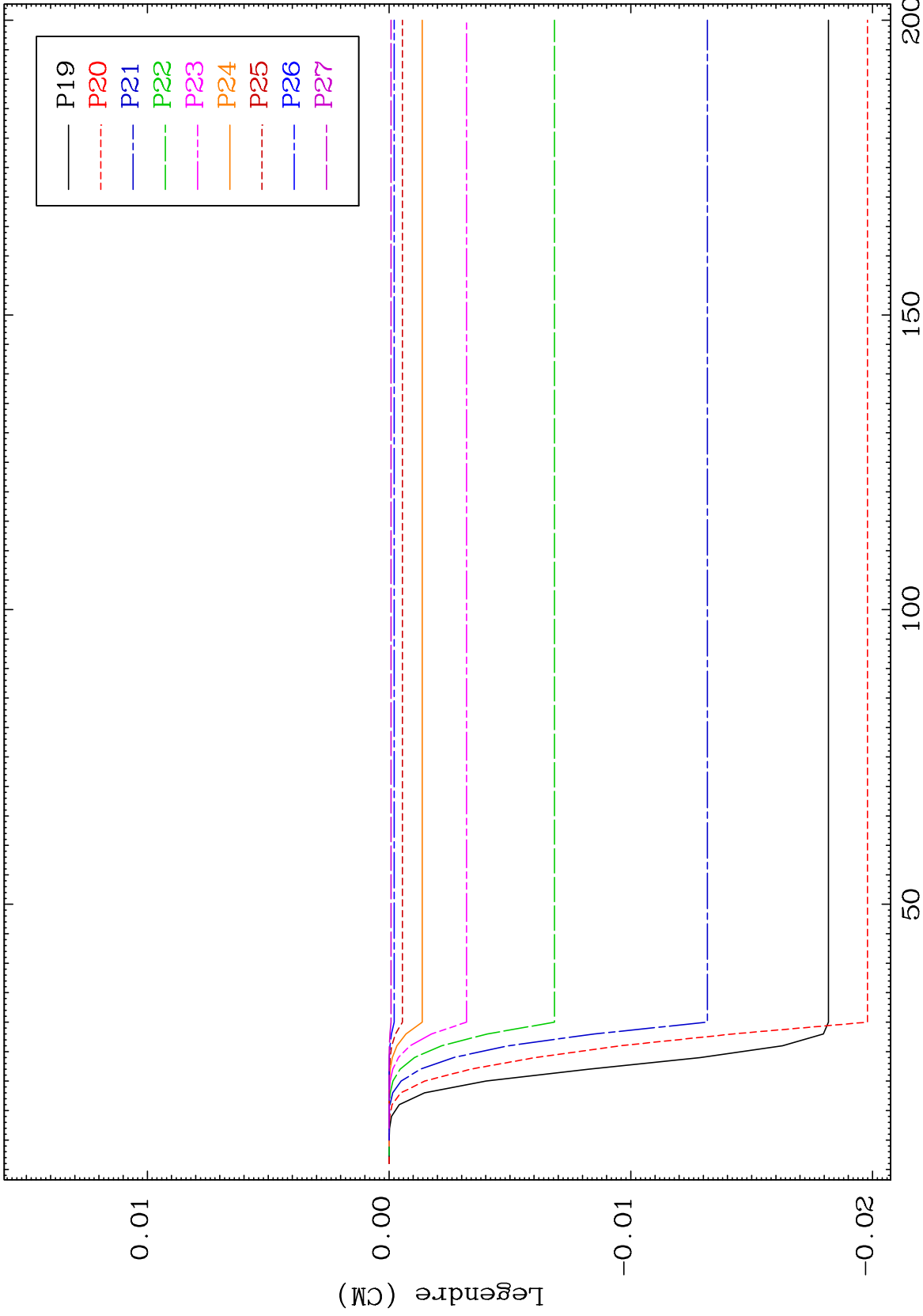
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



94

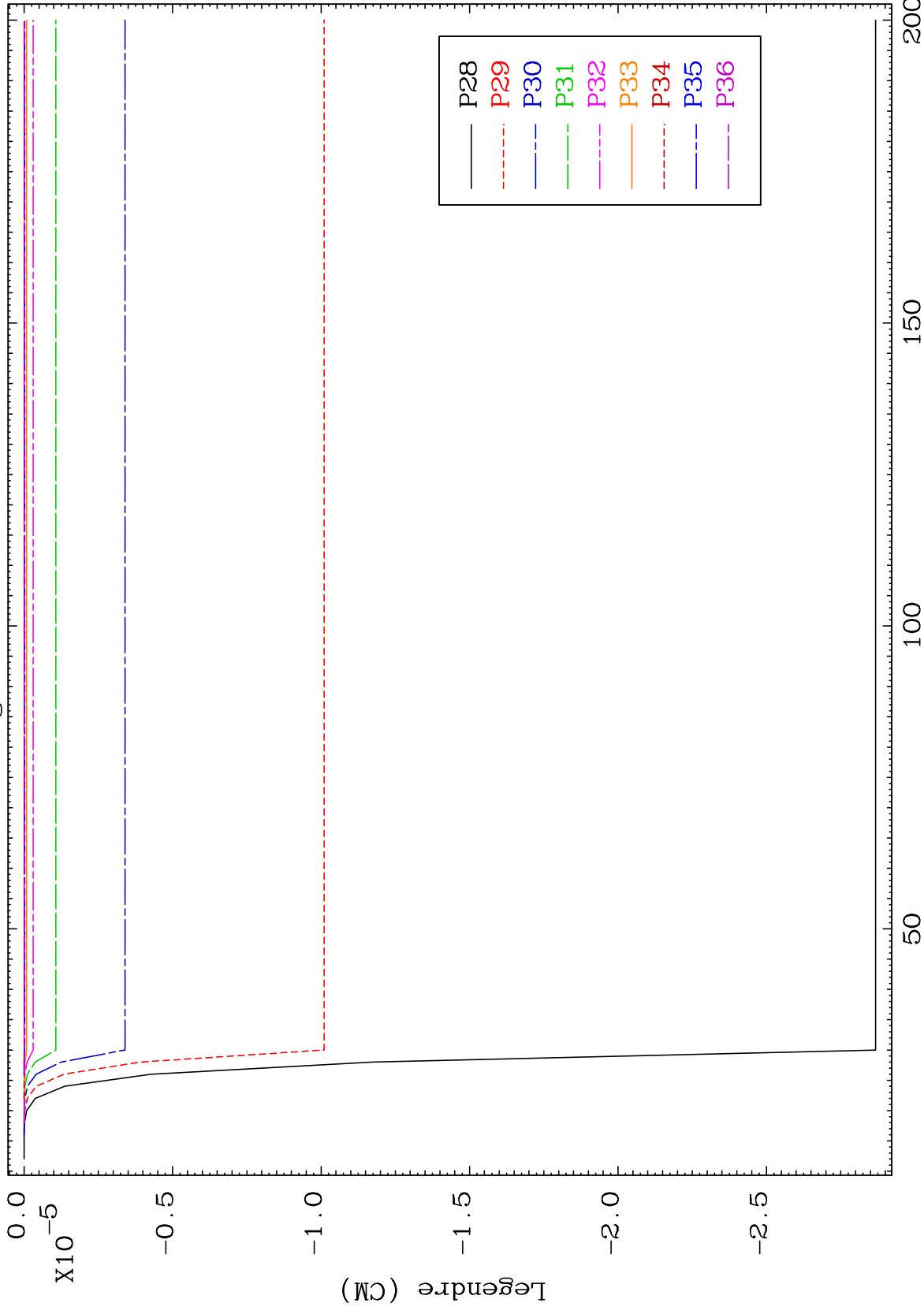
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



72-Hf-168

Incident Energy (MeV)

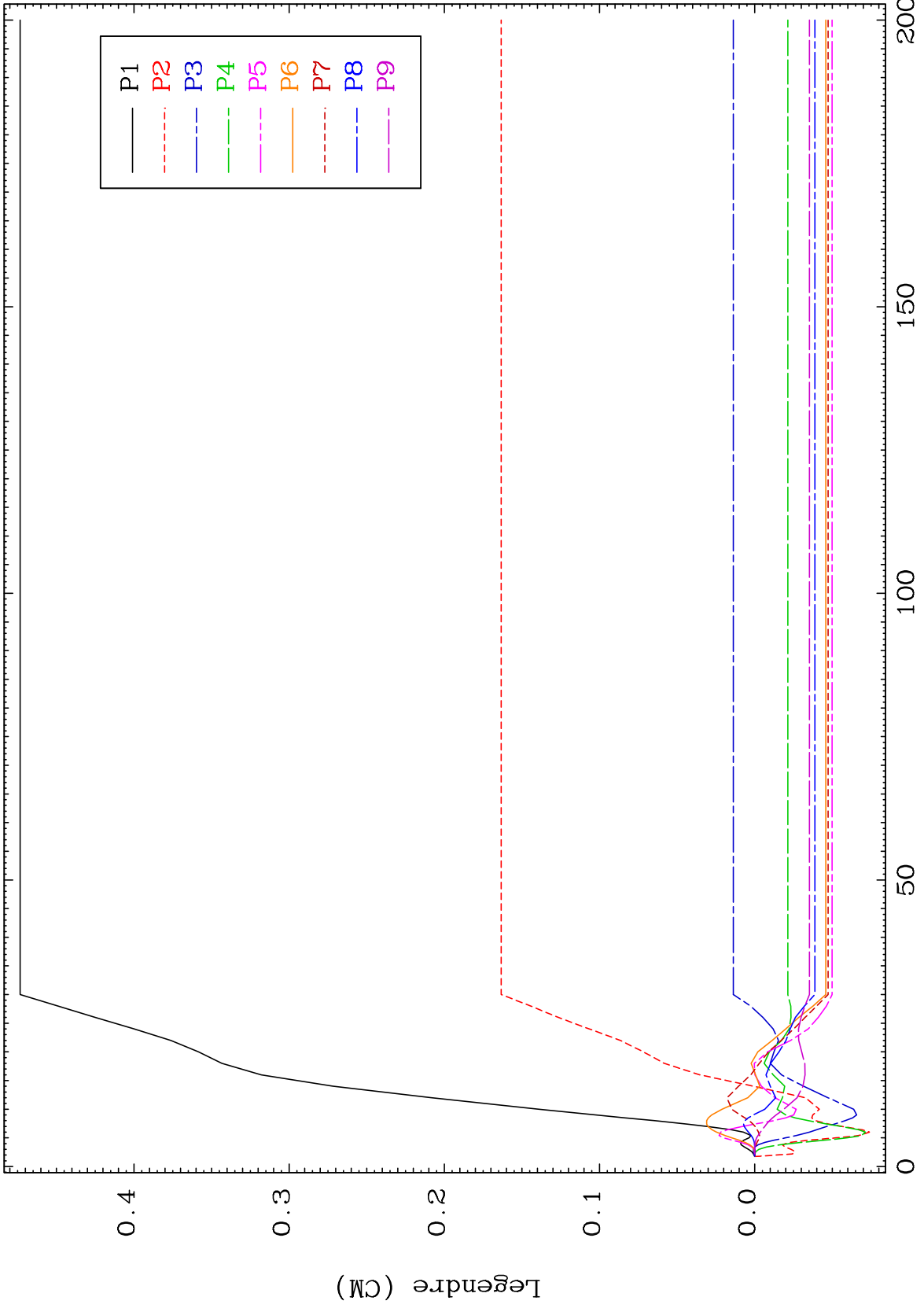
95



MAT 7207

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

72-Hf-168



96

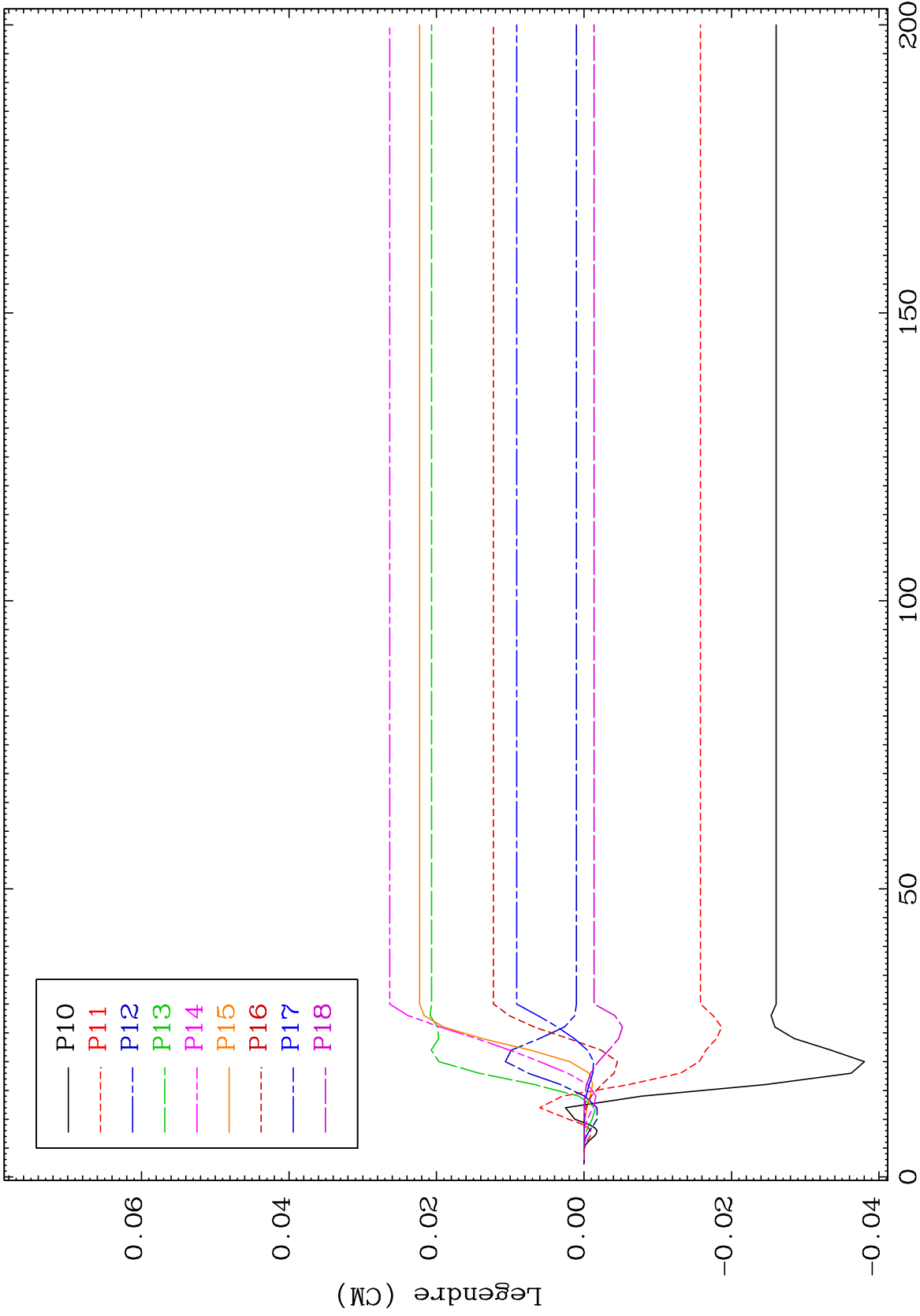
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



97

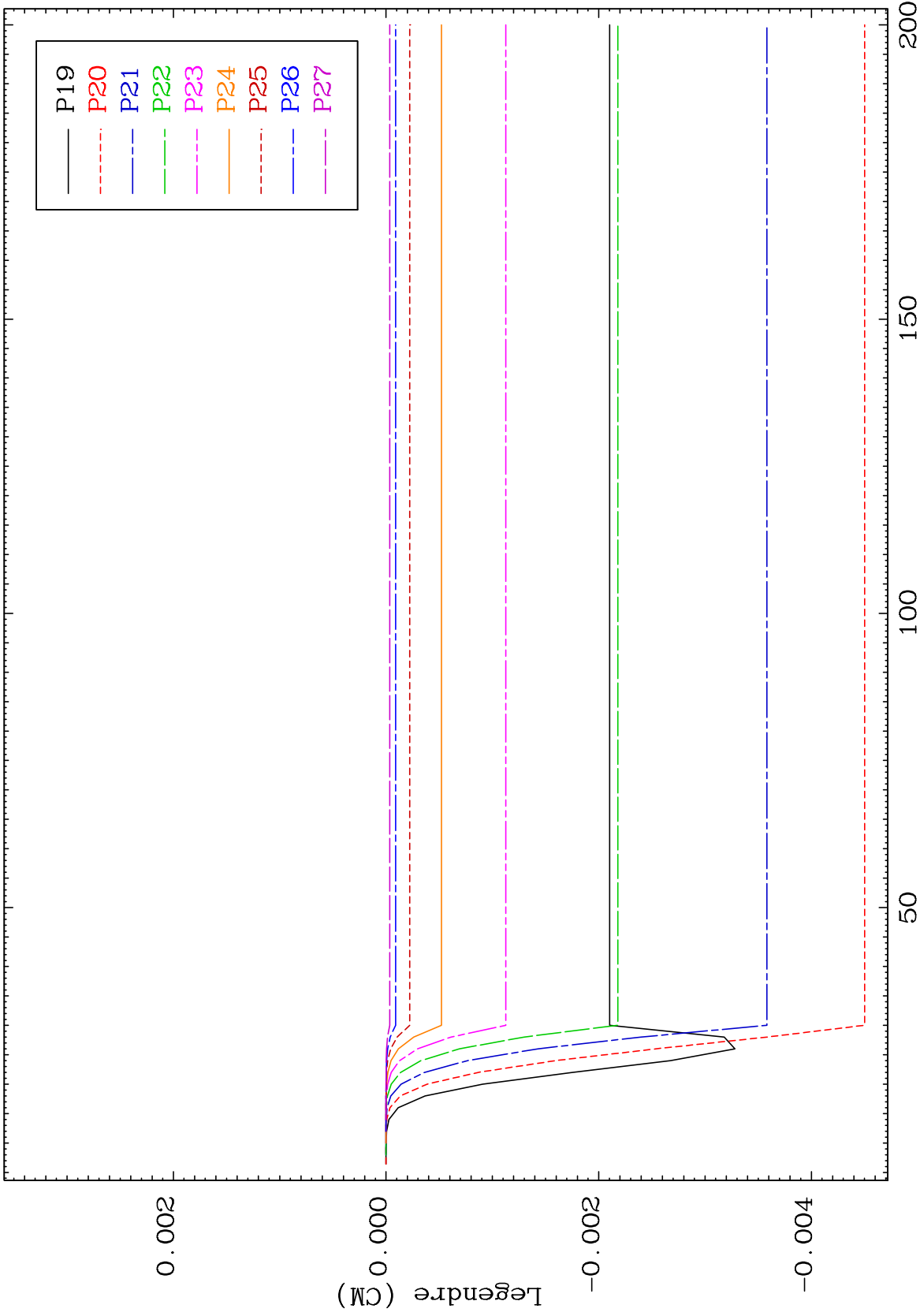
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



98

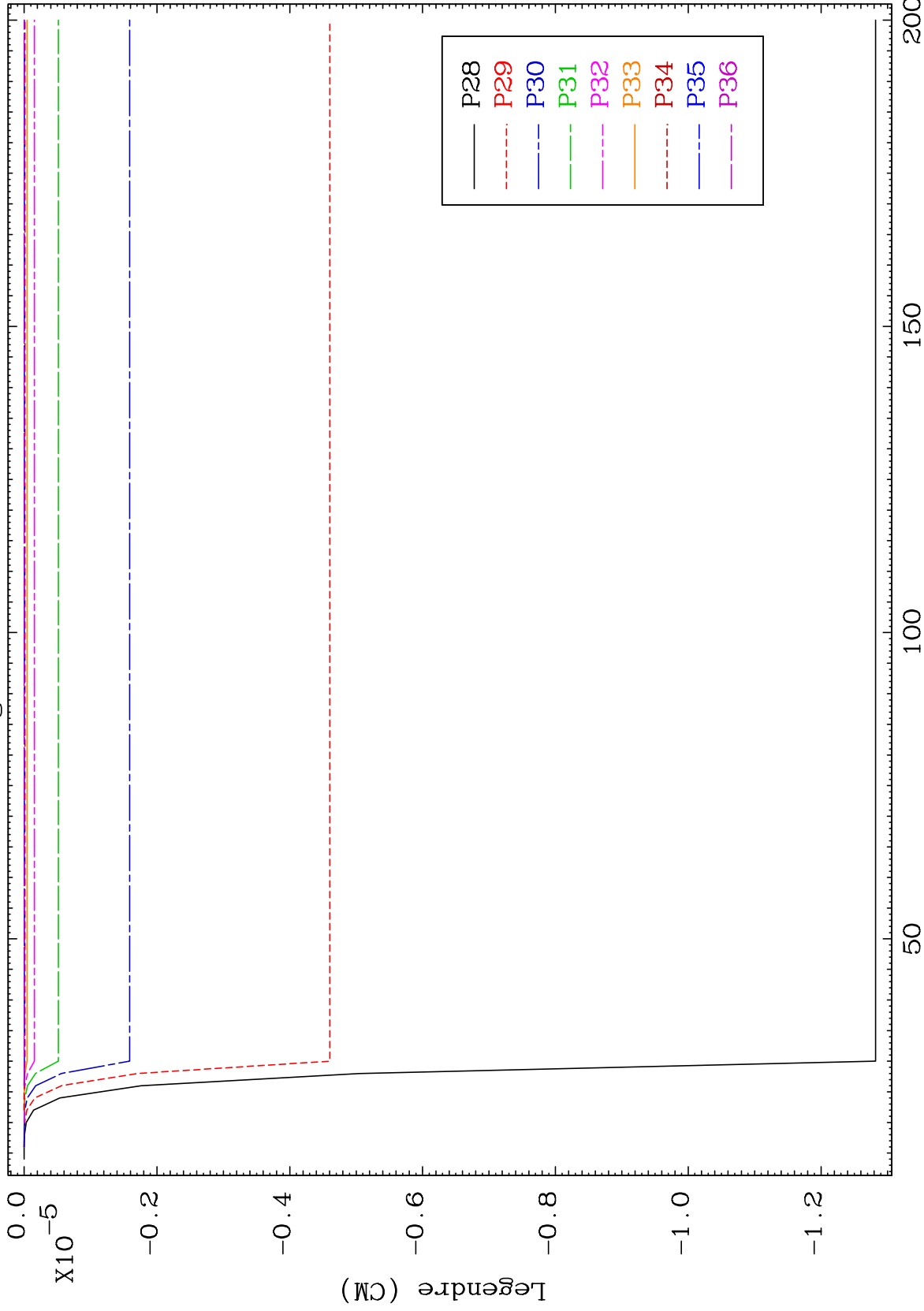
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



99

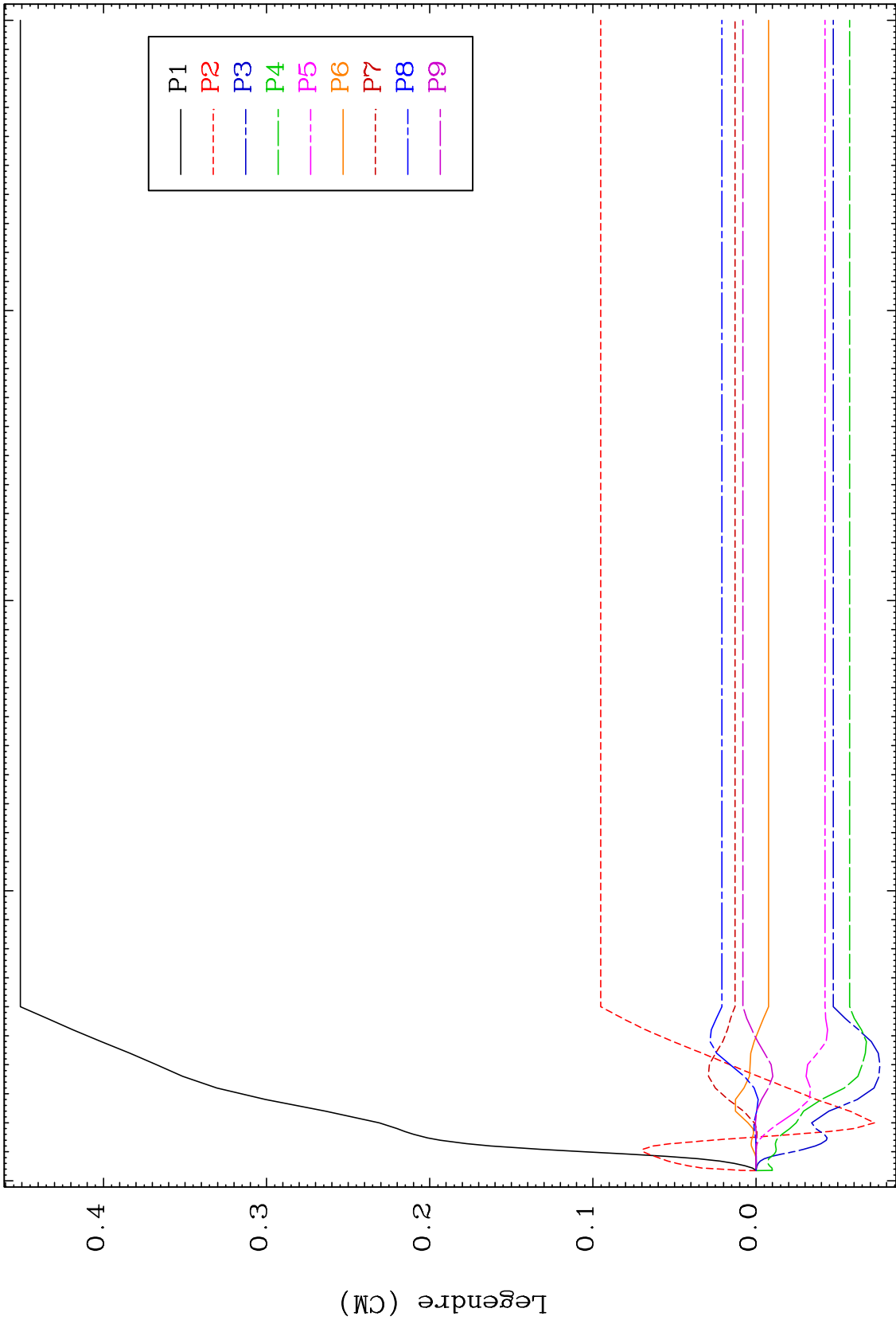
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

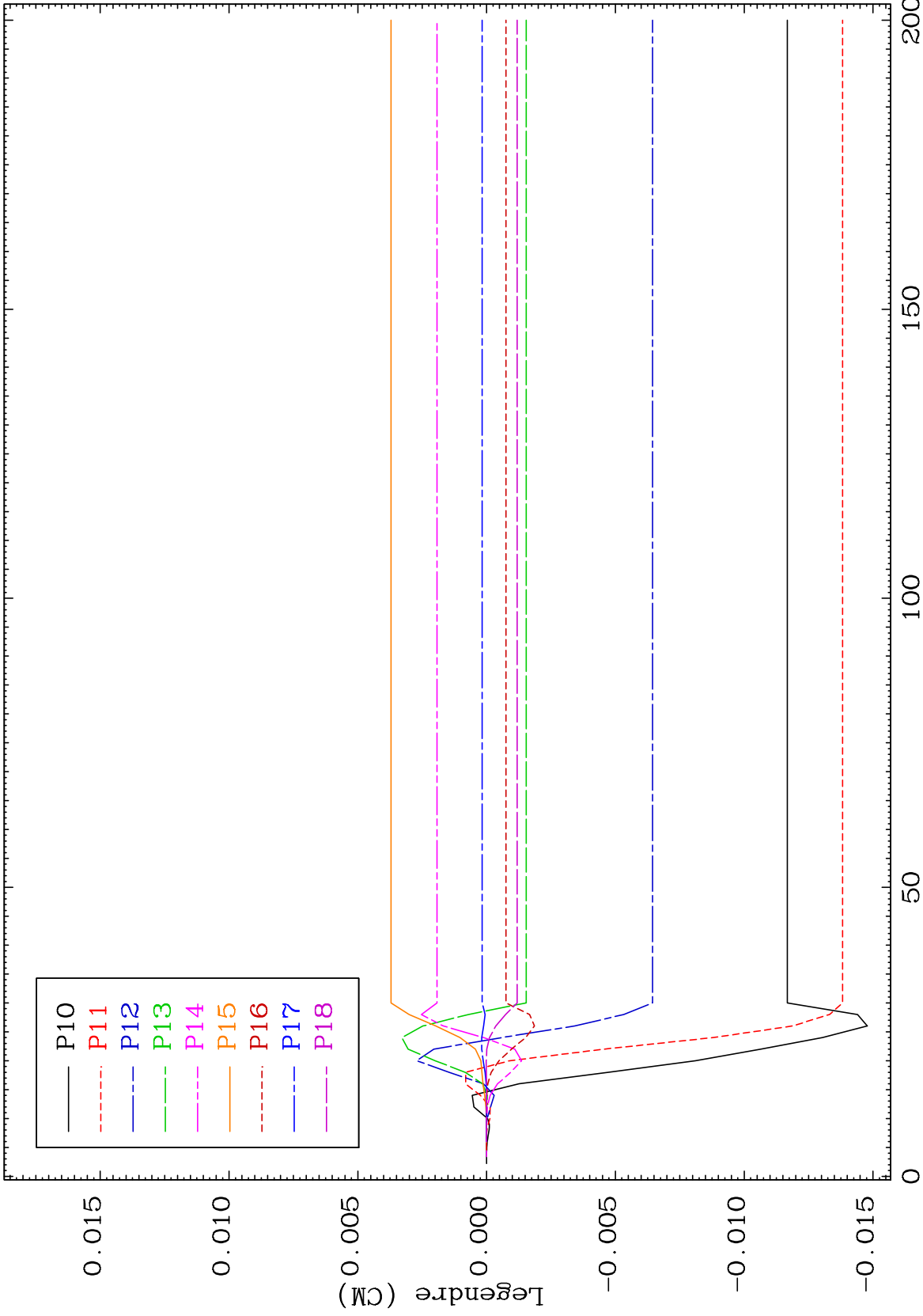
72-Hf-168



72-Hf-168

Incident Energy (MeV)

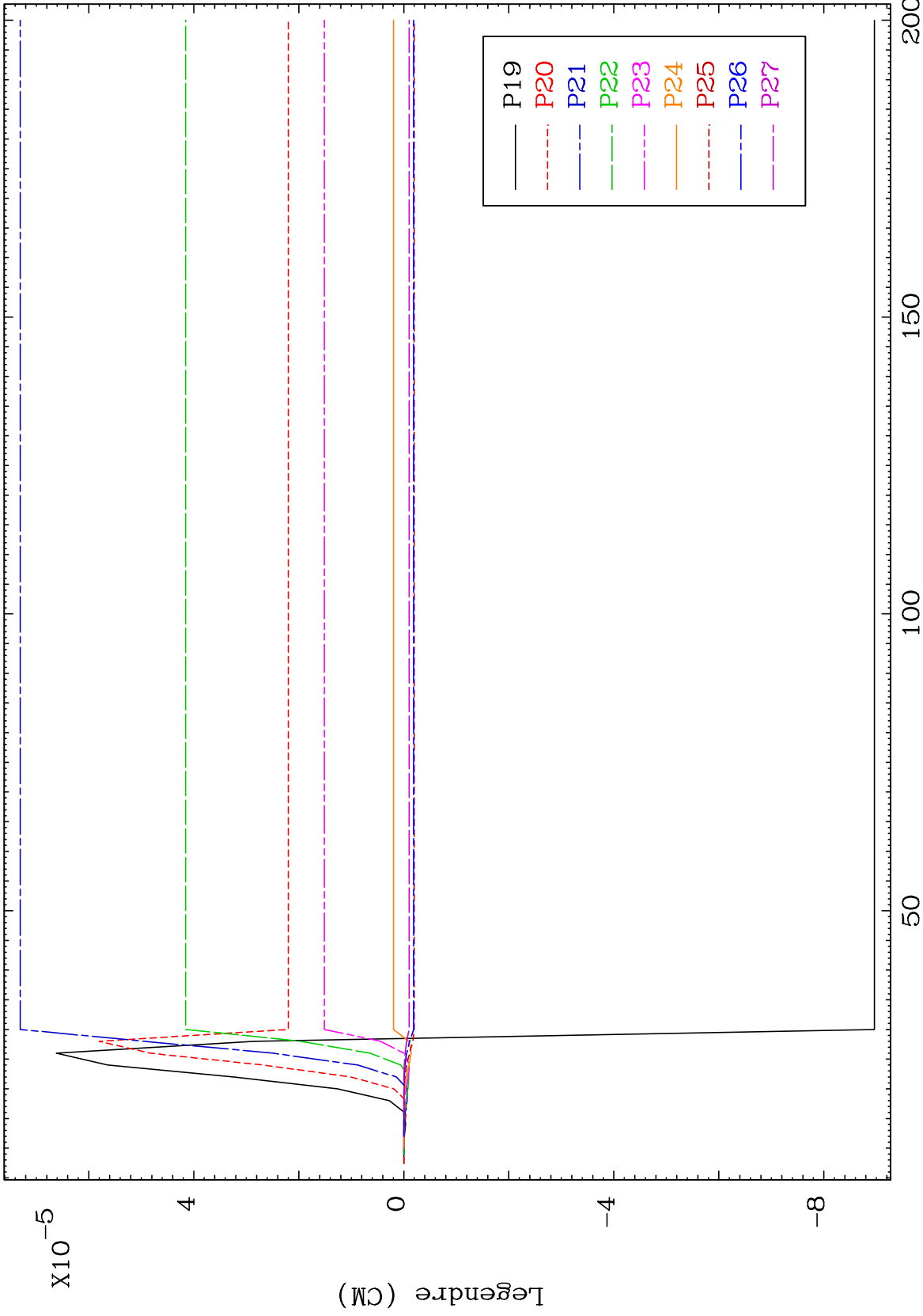
Legendre (CM)



MAT 7207

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

72-Hf-168



102

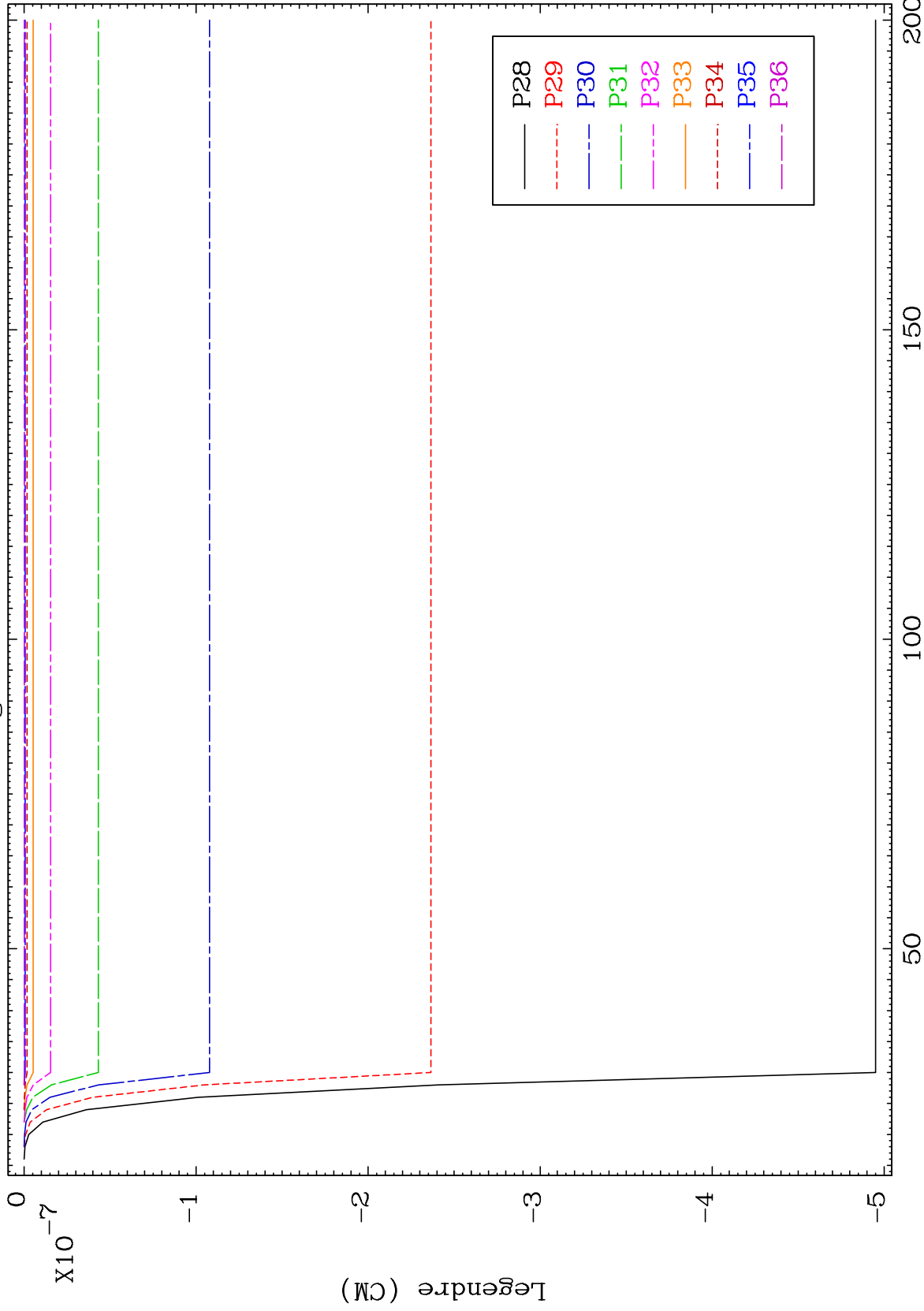
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



72-Hf-168

Incident Energy (MeV)

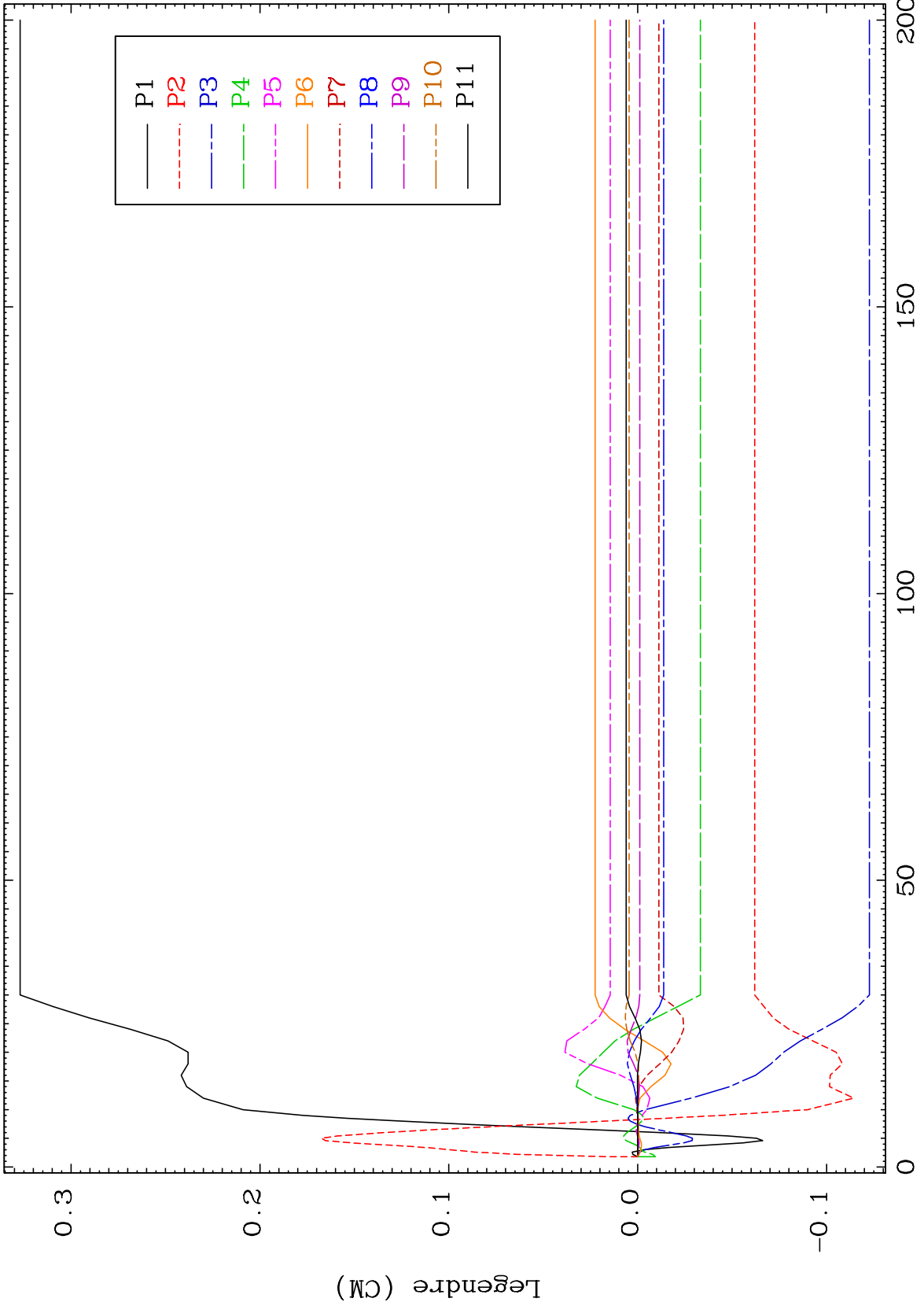
103



MAT 7207

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

72-Hf-168



104

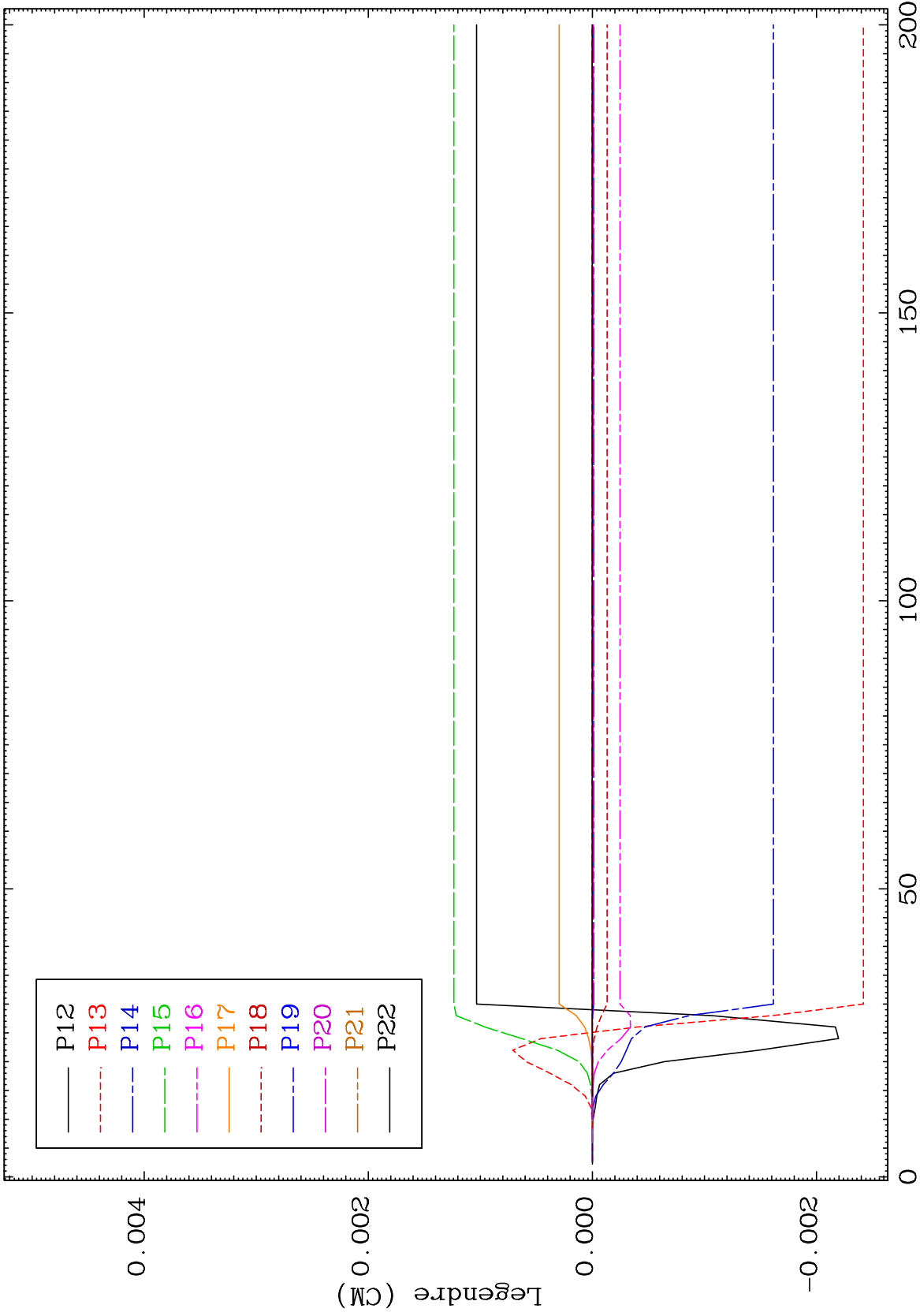
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



105

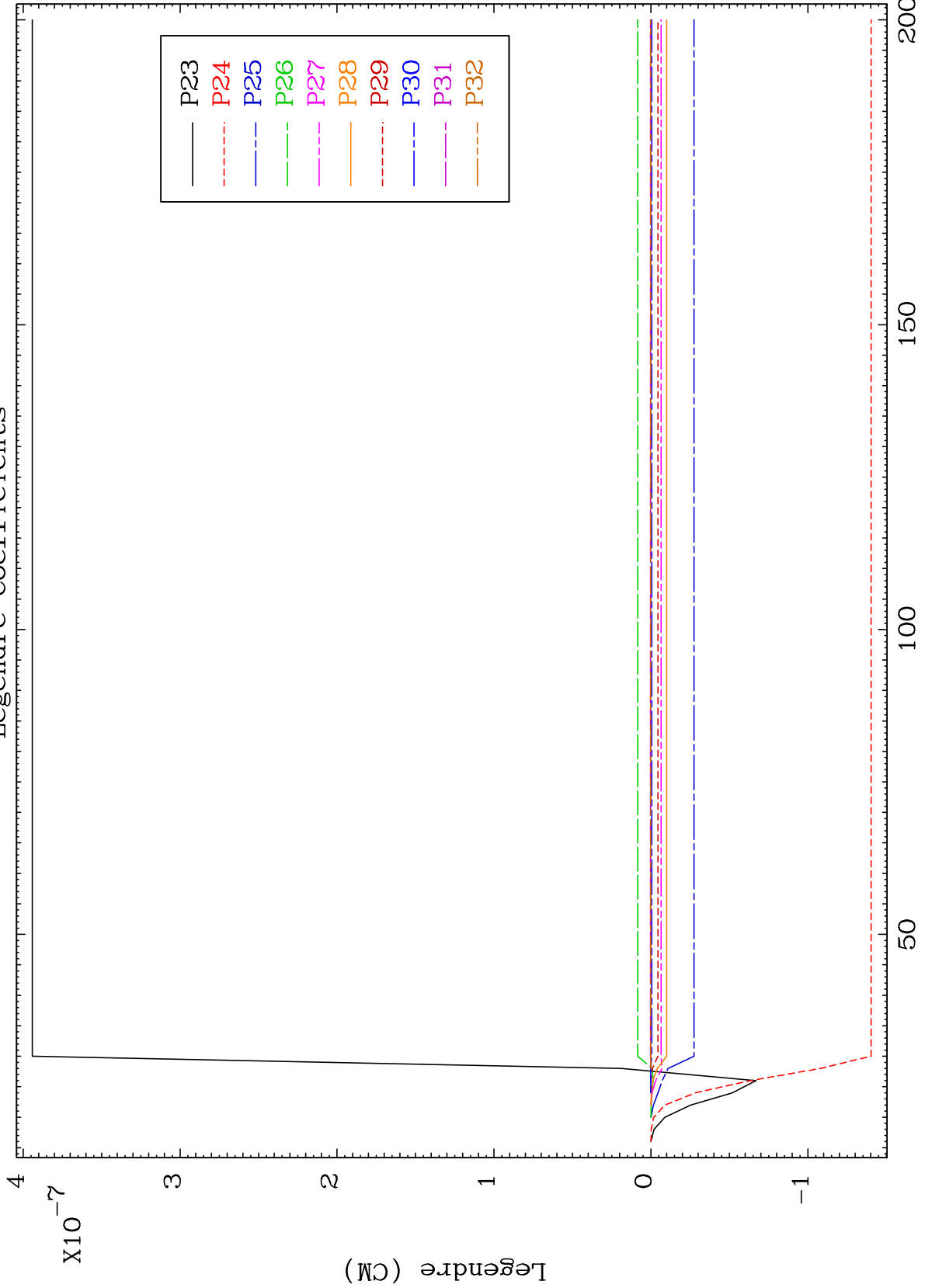
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



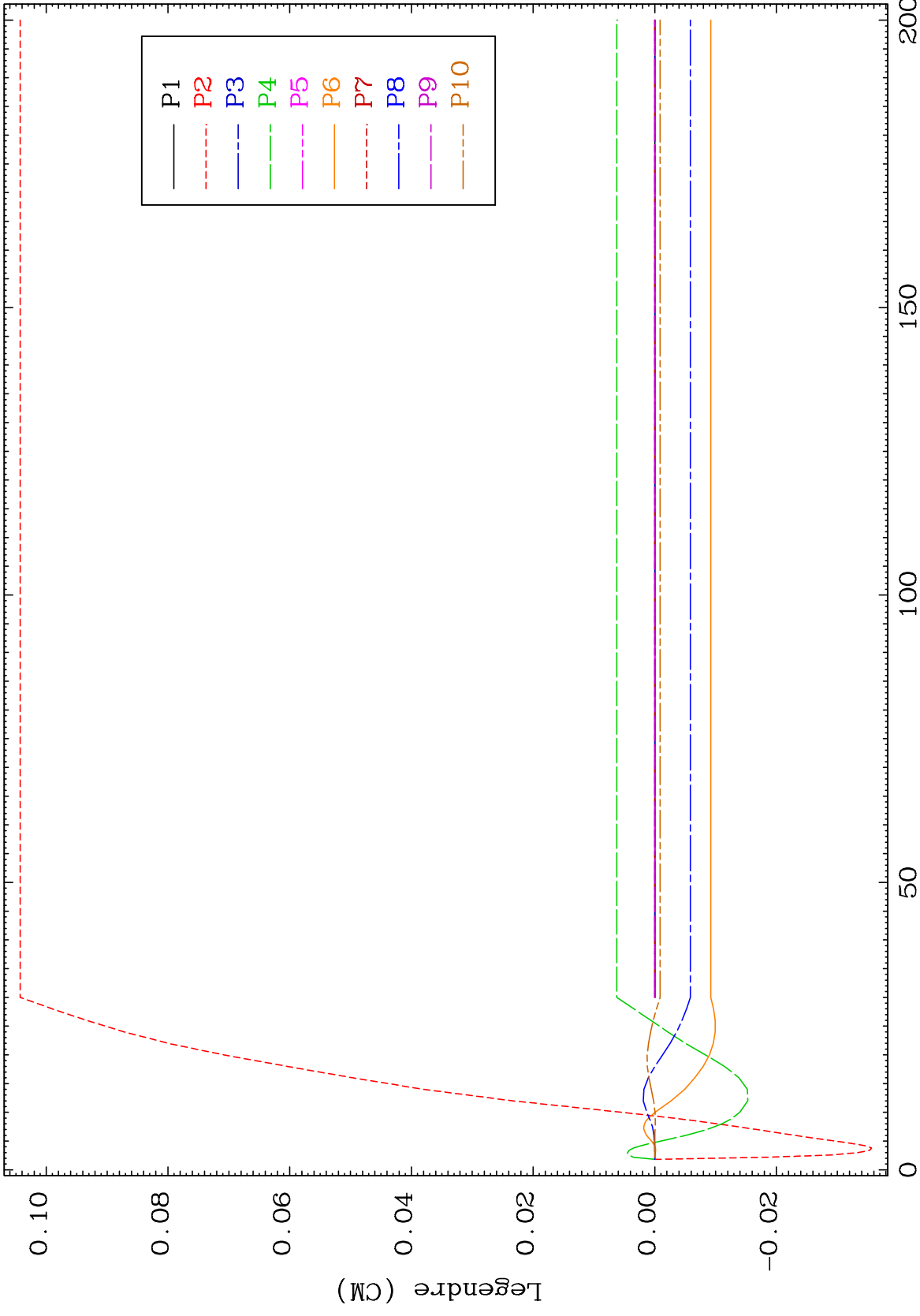
106

72-Hf-168

MAT 7207

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

72-Hf-168



107

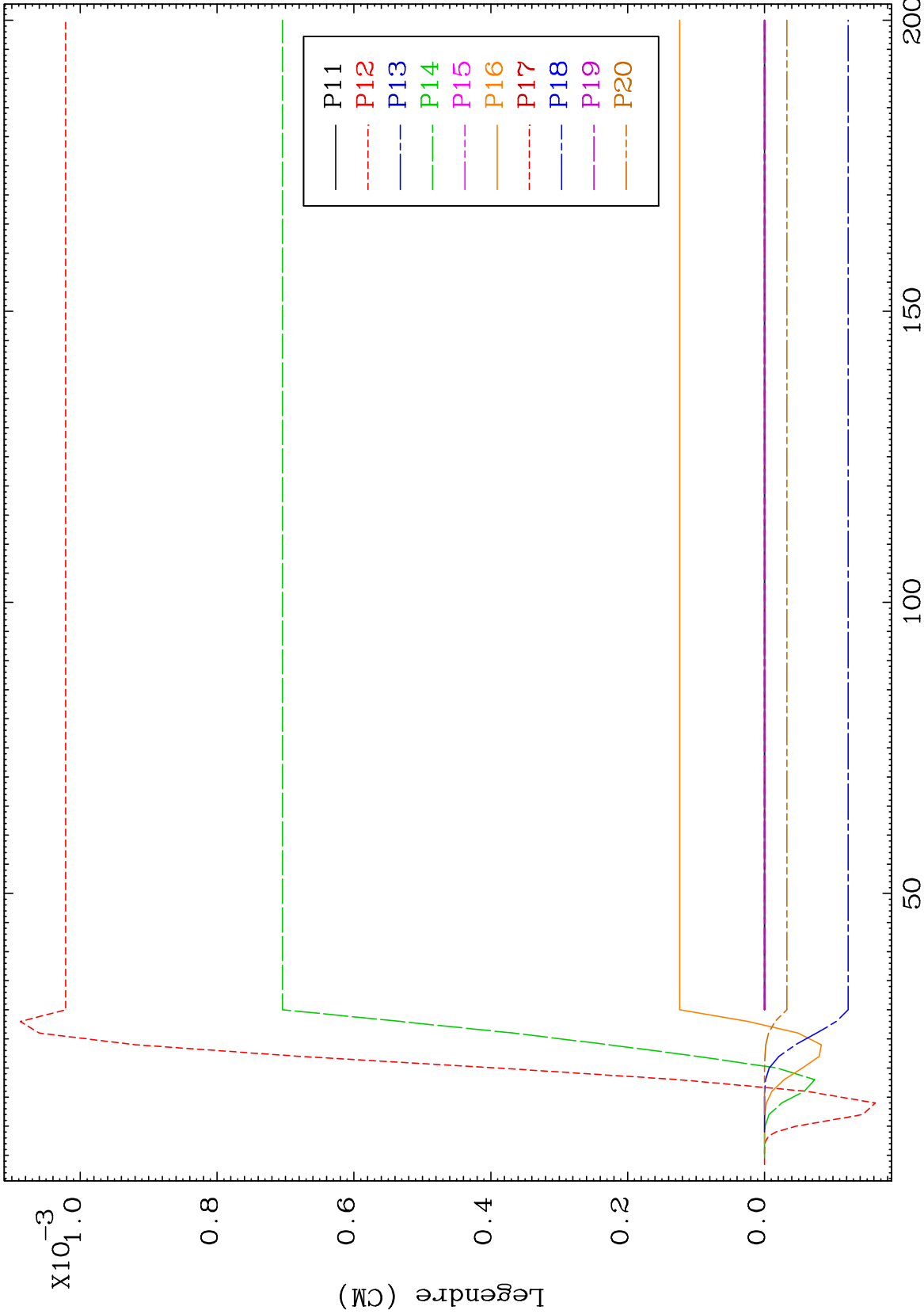
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



108

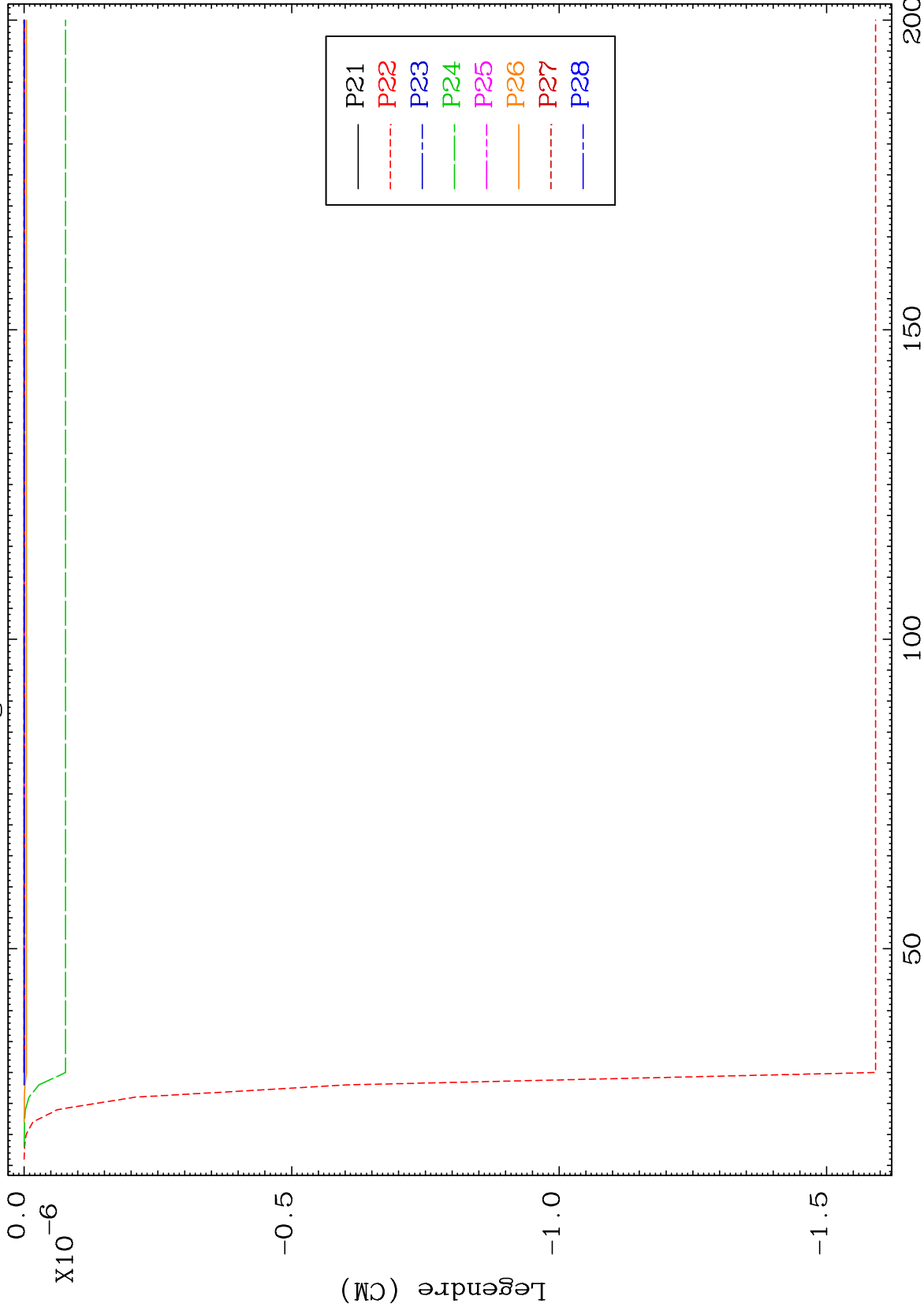
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



109

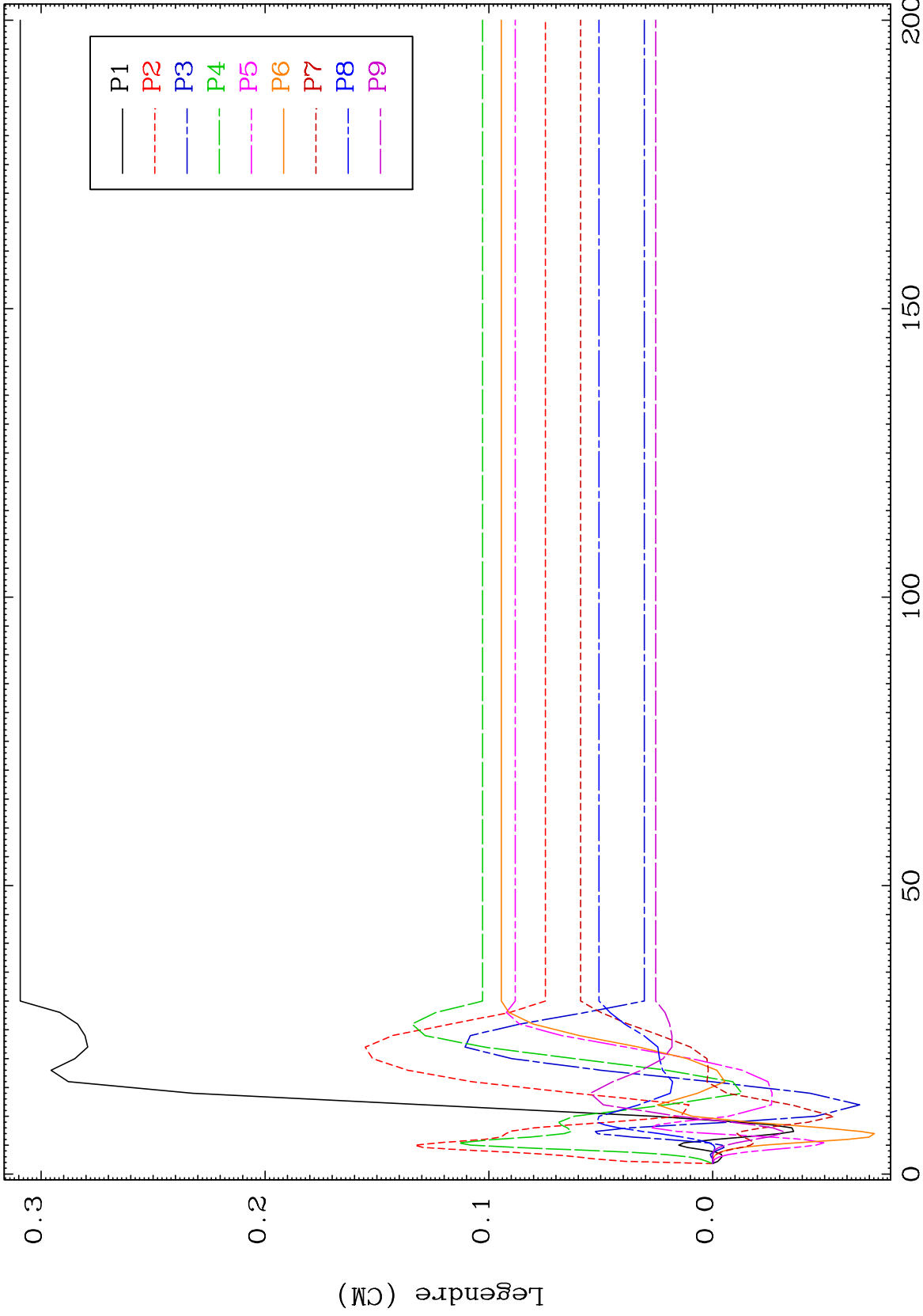
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



72-Hf-168

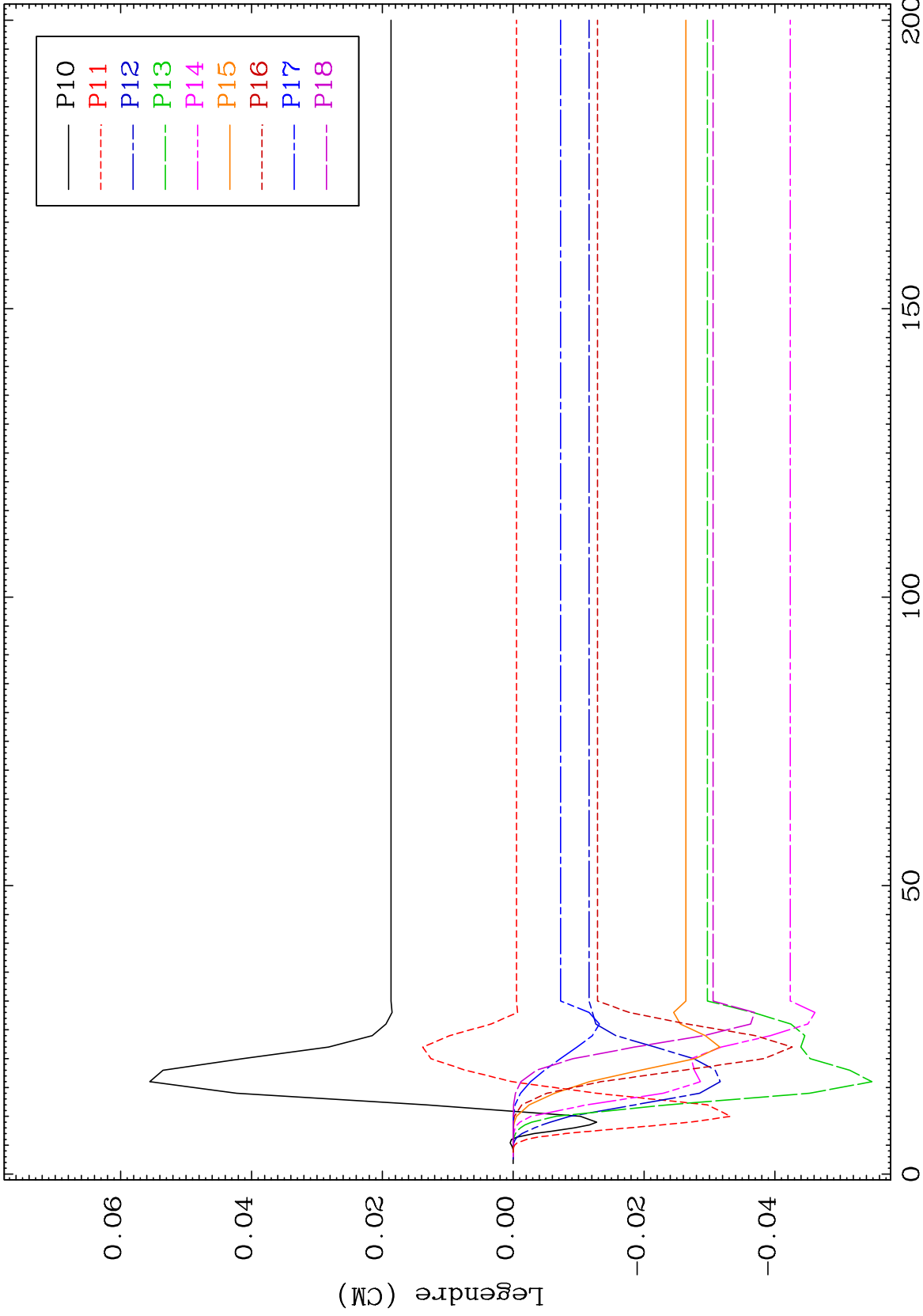
Incident Energy (MeV)

110

MAT 7207

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

72-Hf-168



111

Incident Energy (MeV)

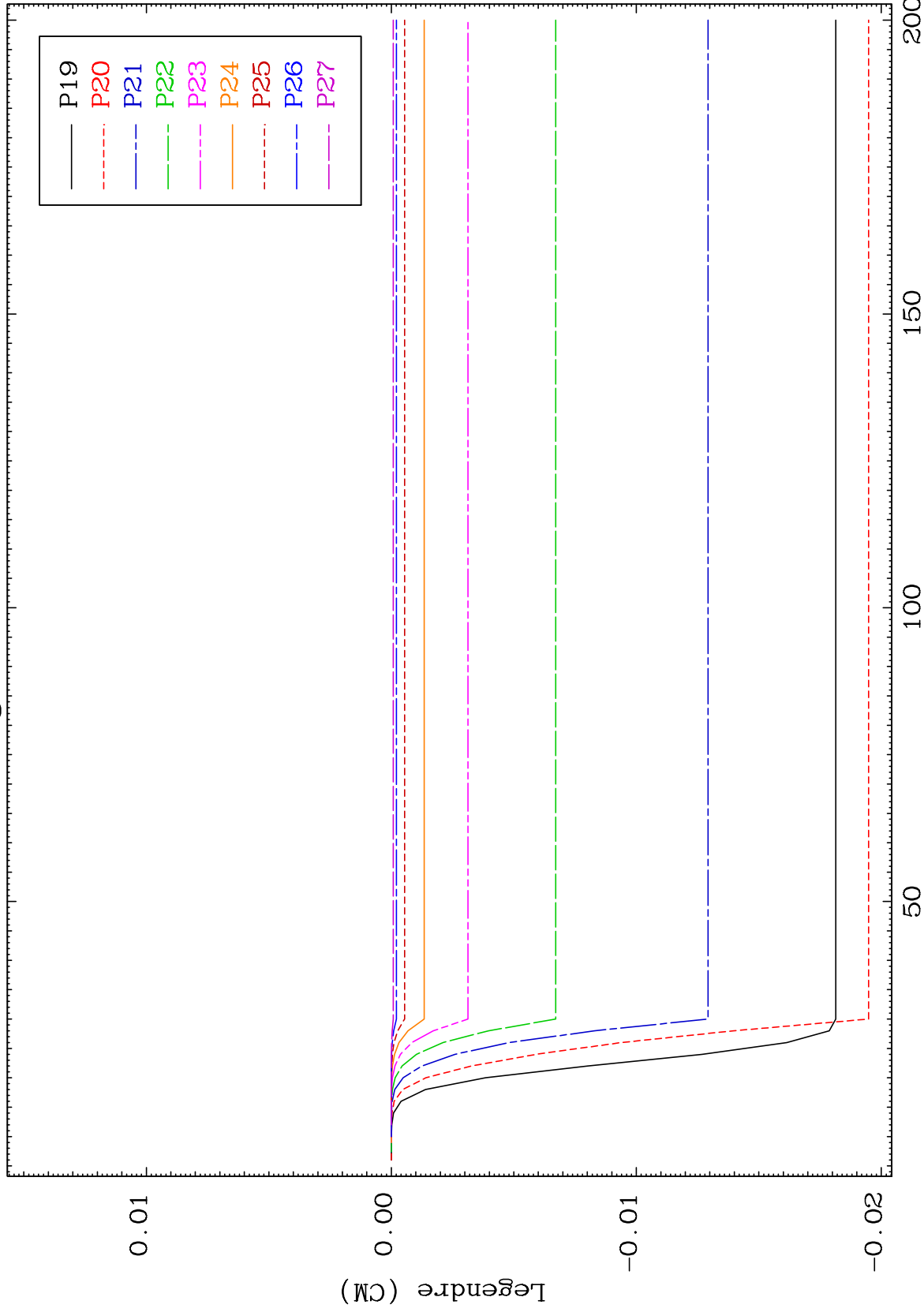
72-Hf-168



MAT 7207

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

72-Hf-168



112

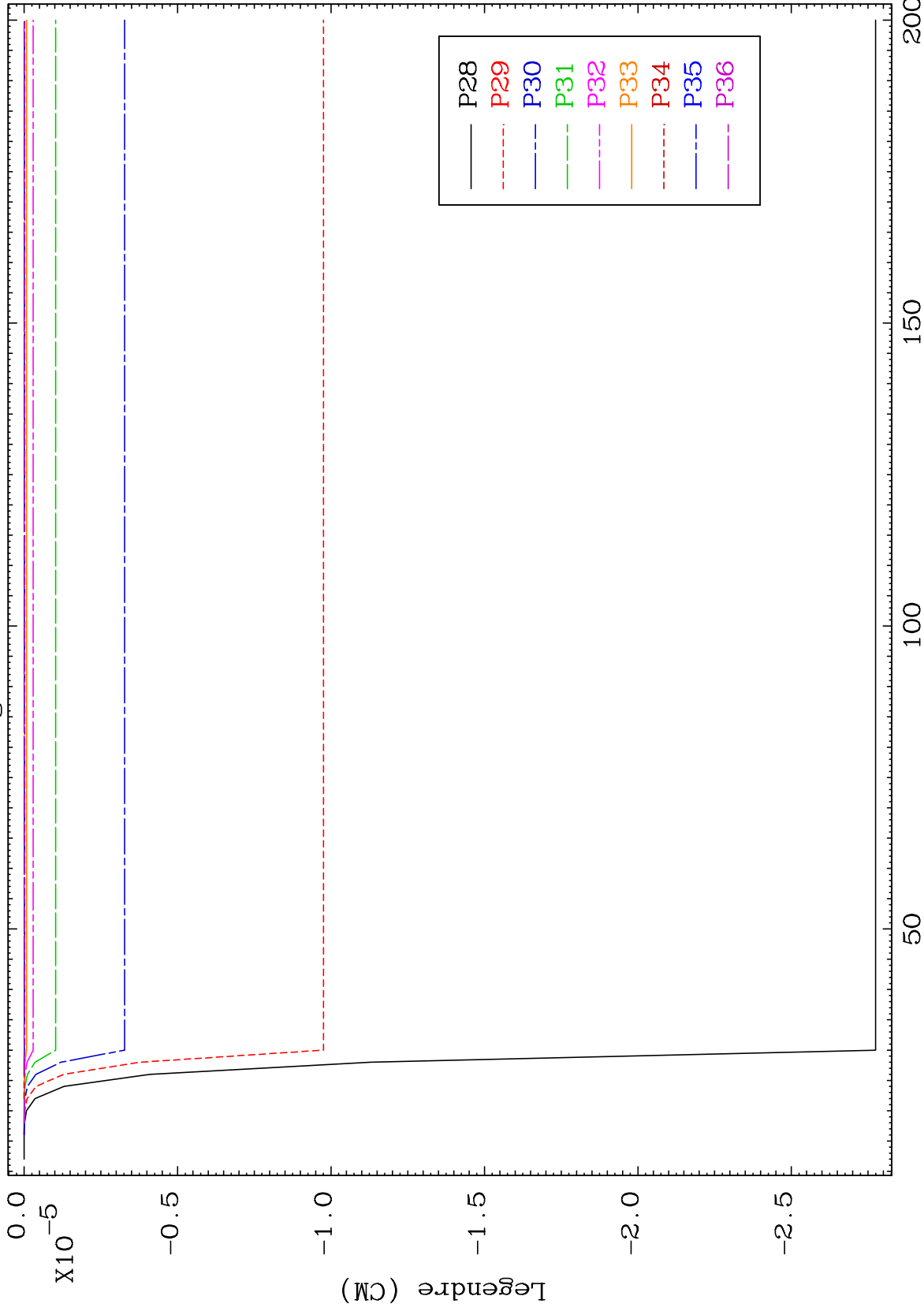
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

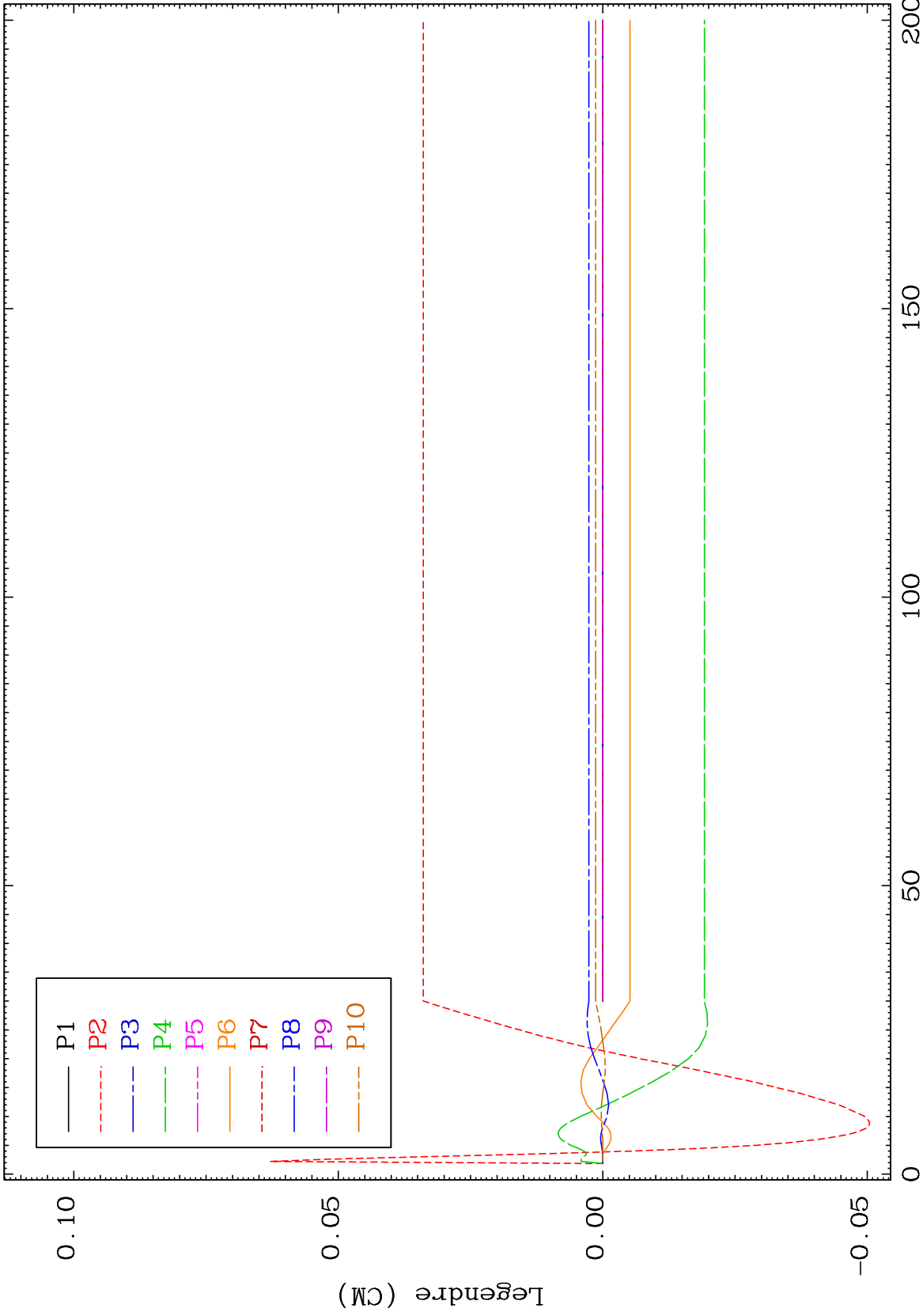
72-Hf-168



113

Incident Energy (MeV)

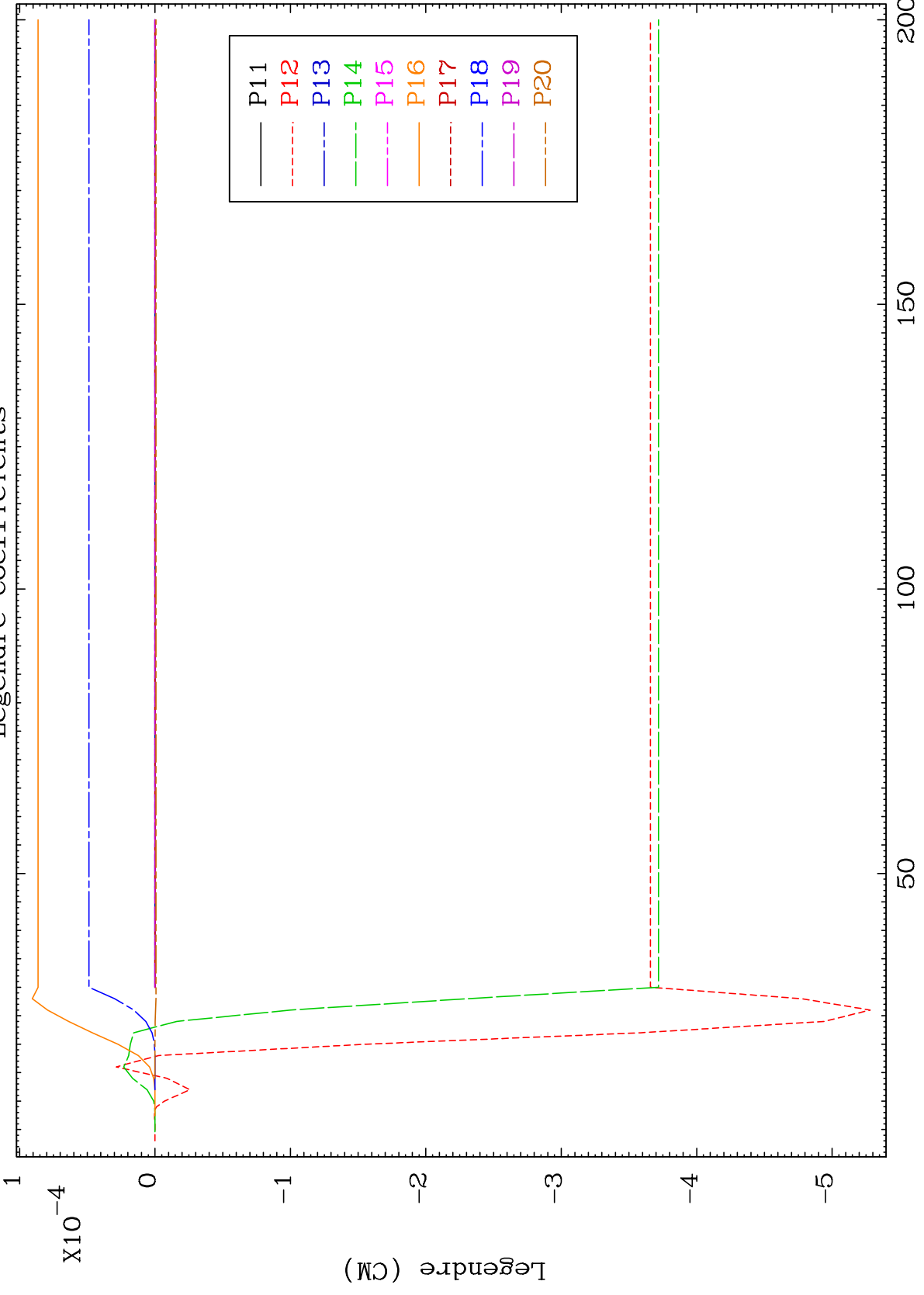
72-Hf-168



MAT 7207

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

72-Hf-168



115

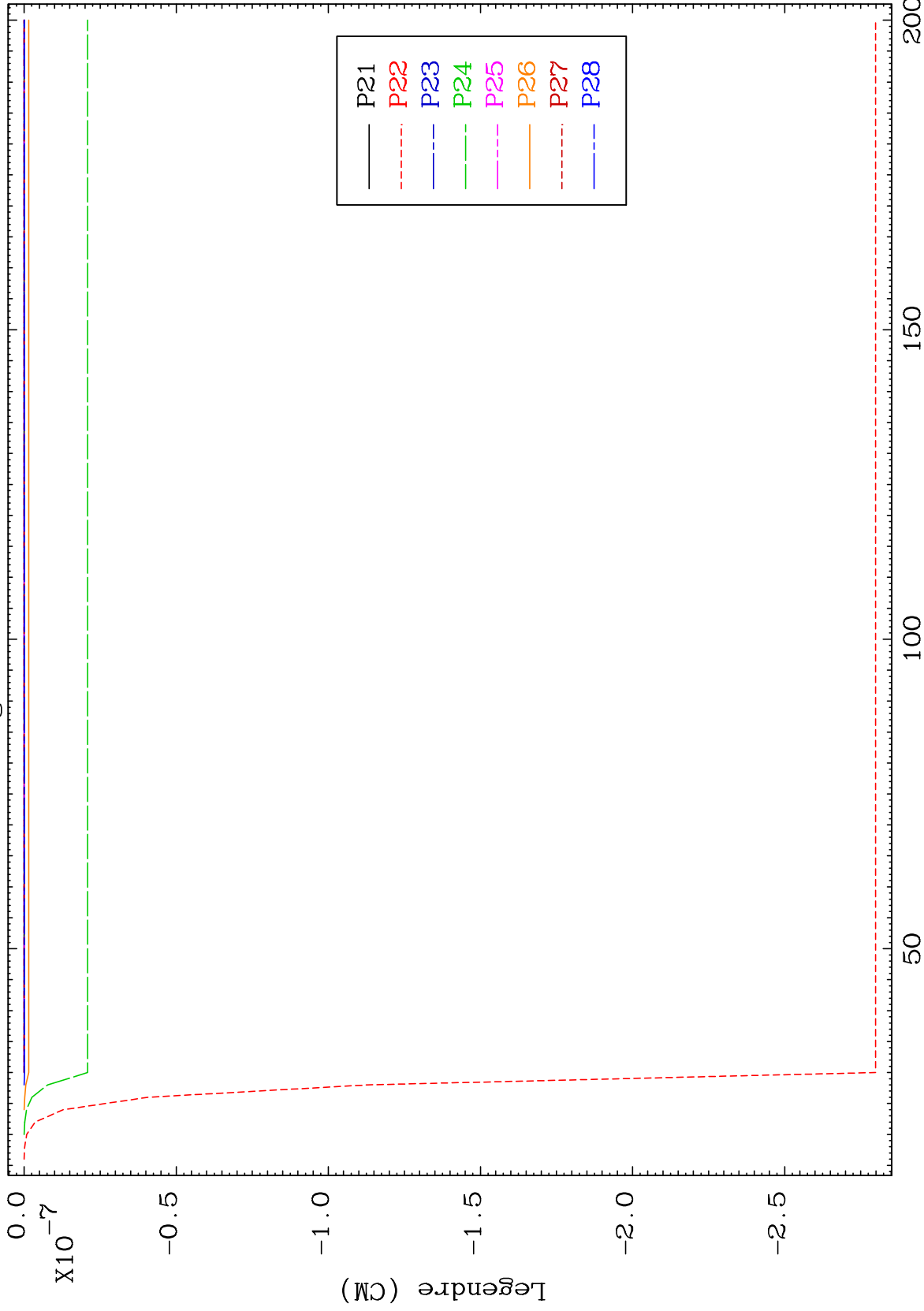
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



116

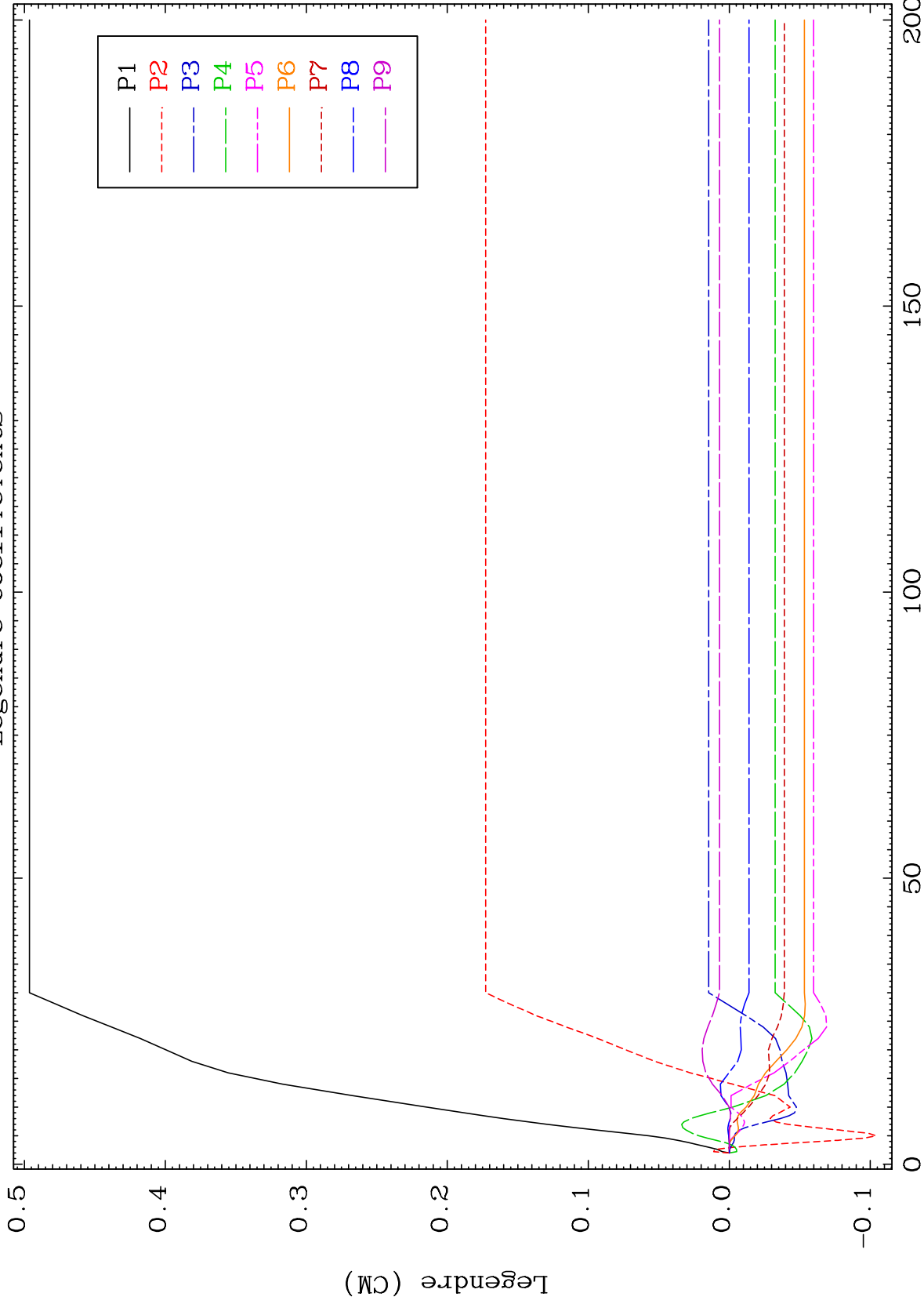
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



117

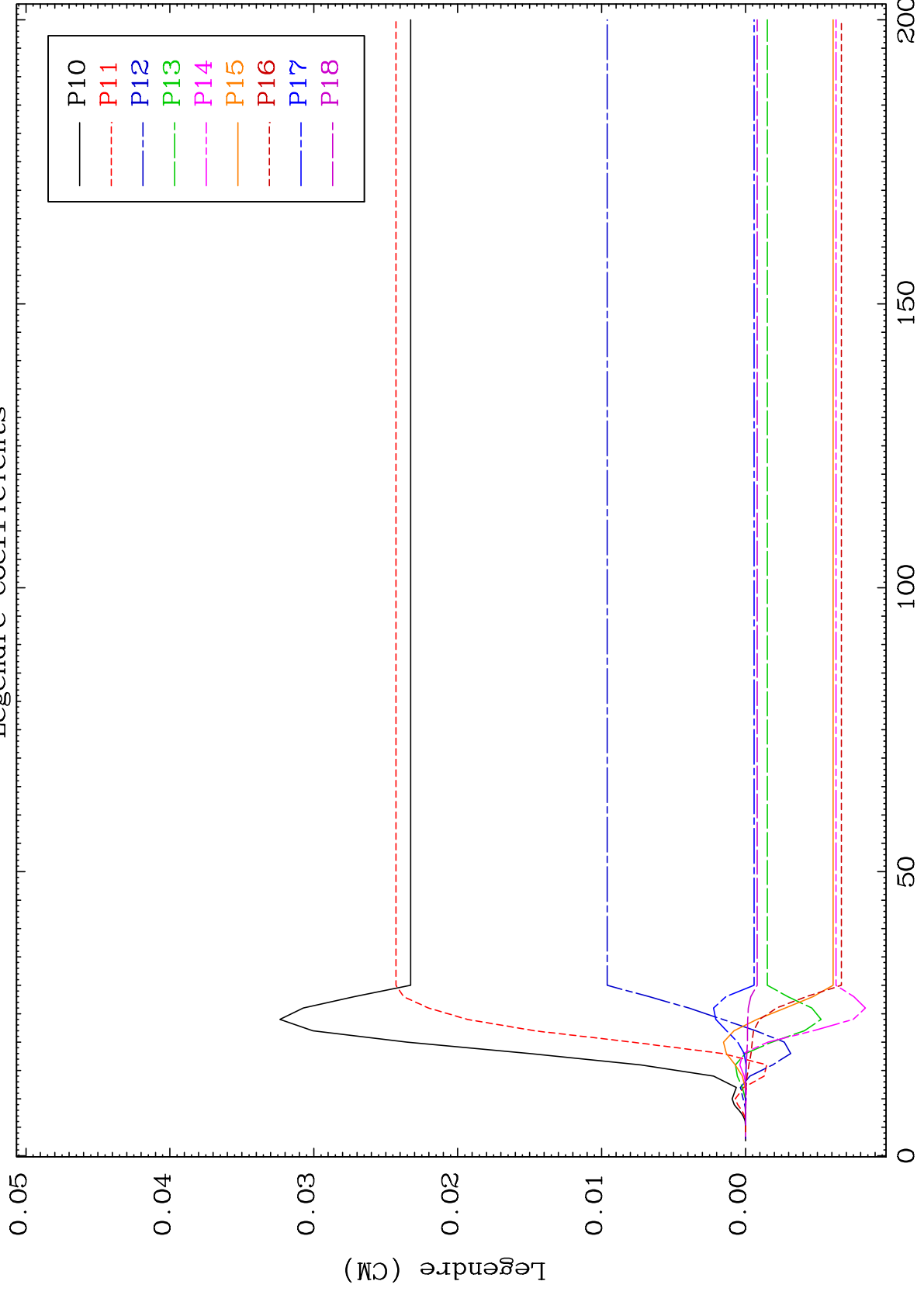
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

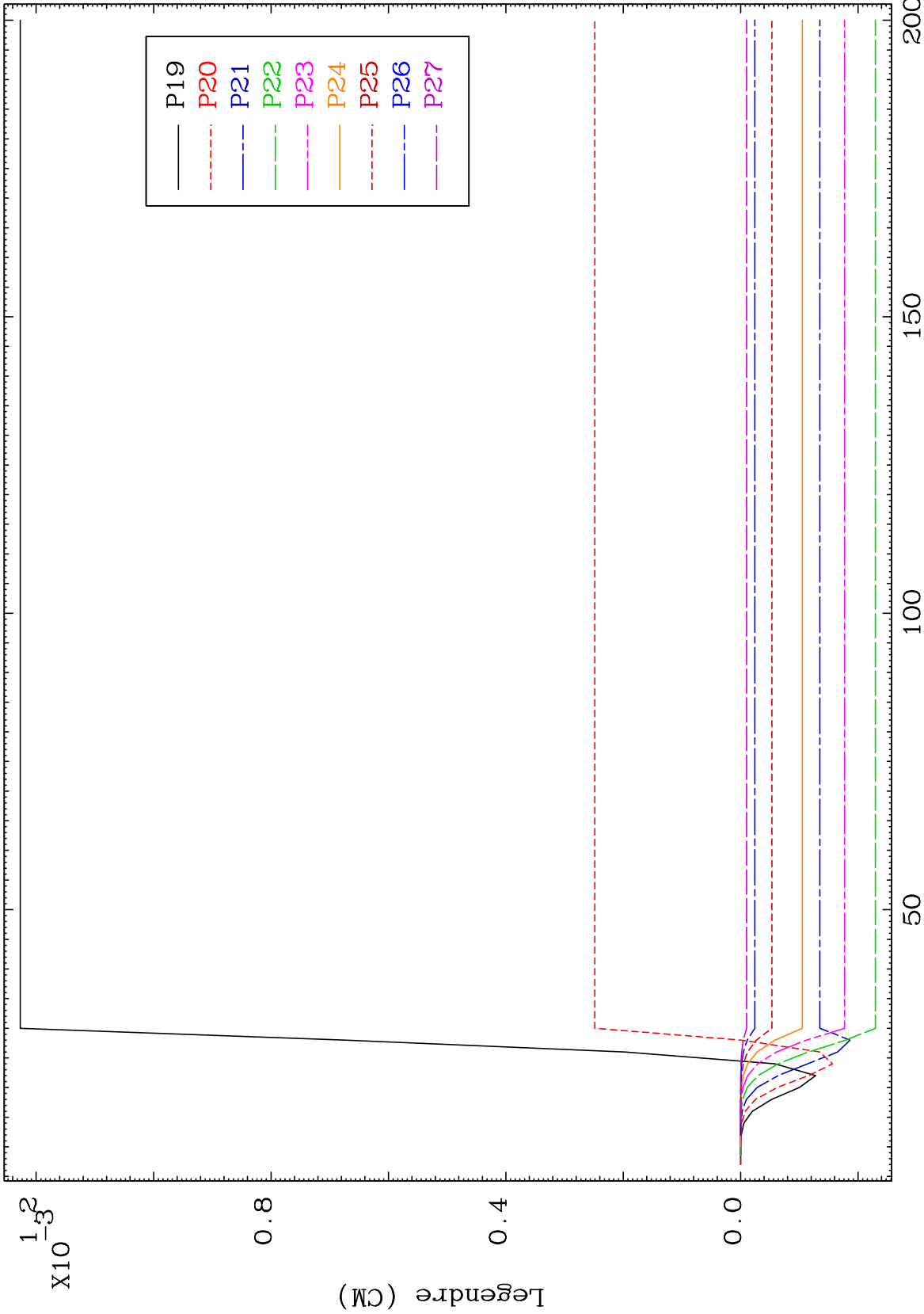
72-Hf-168



118

Incident Energy (MeV)

72-Hf-168

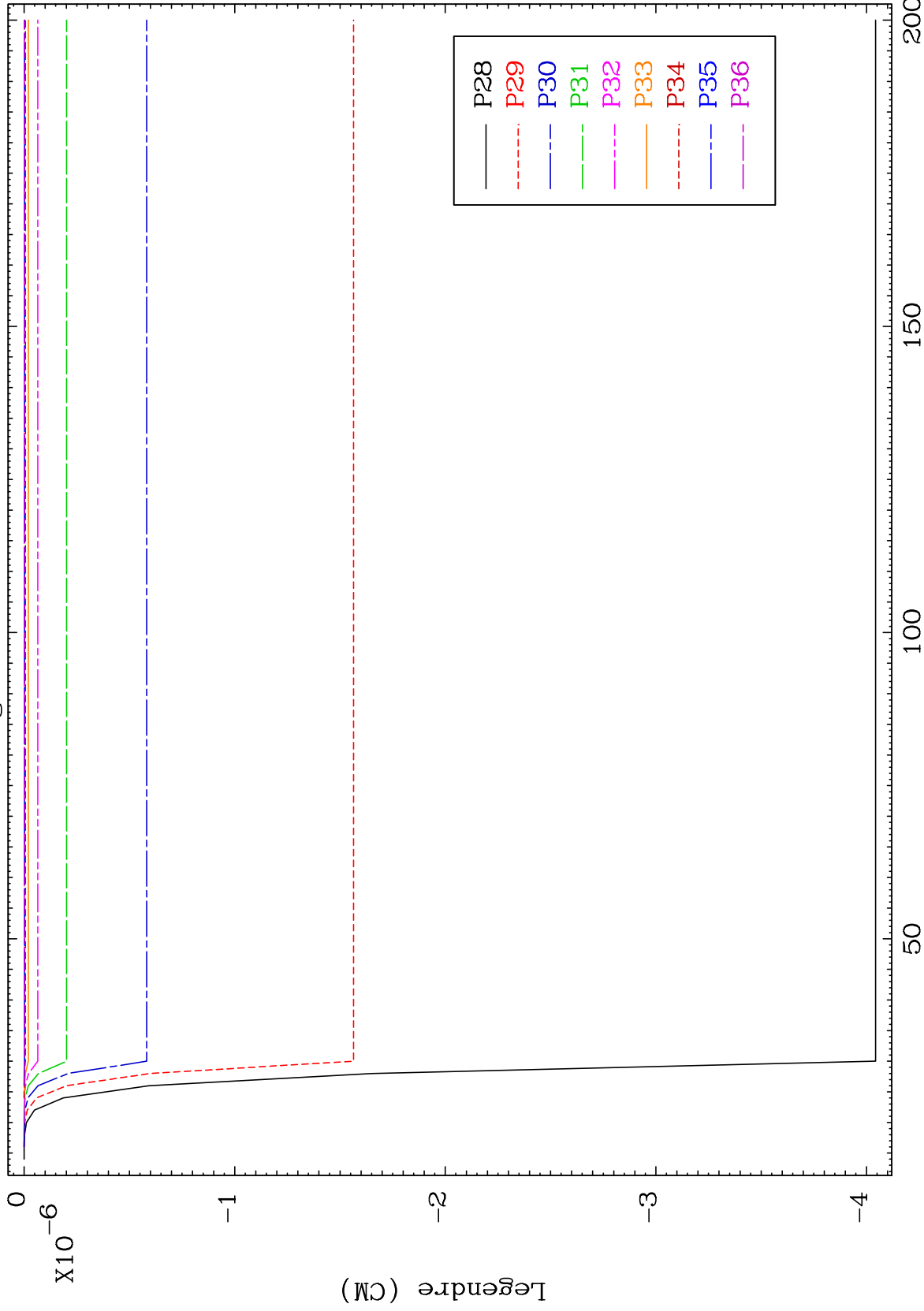




MAT 7207

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

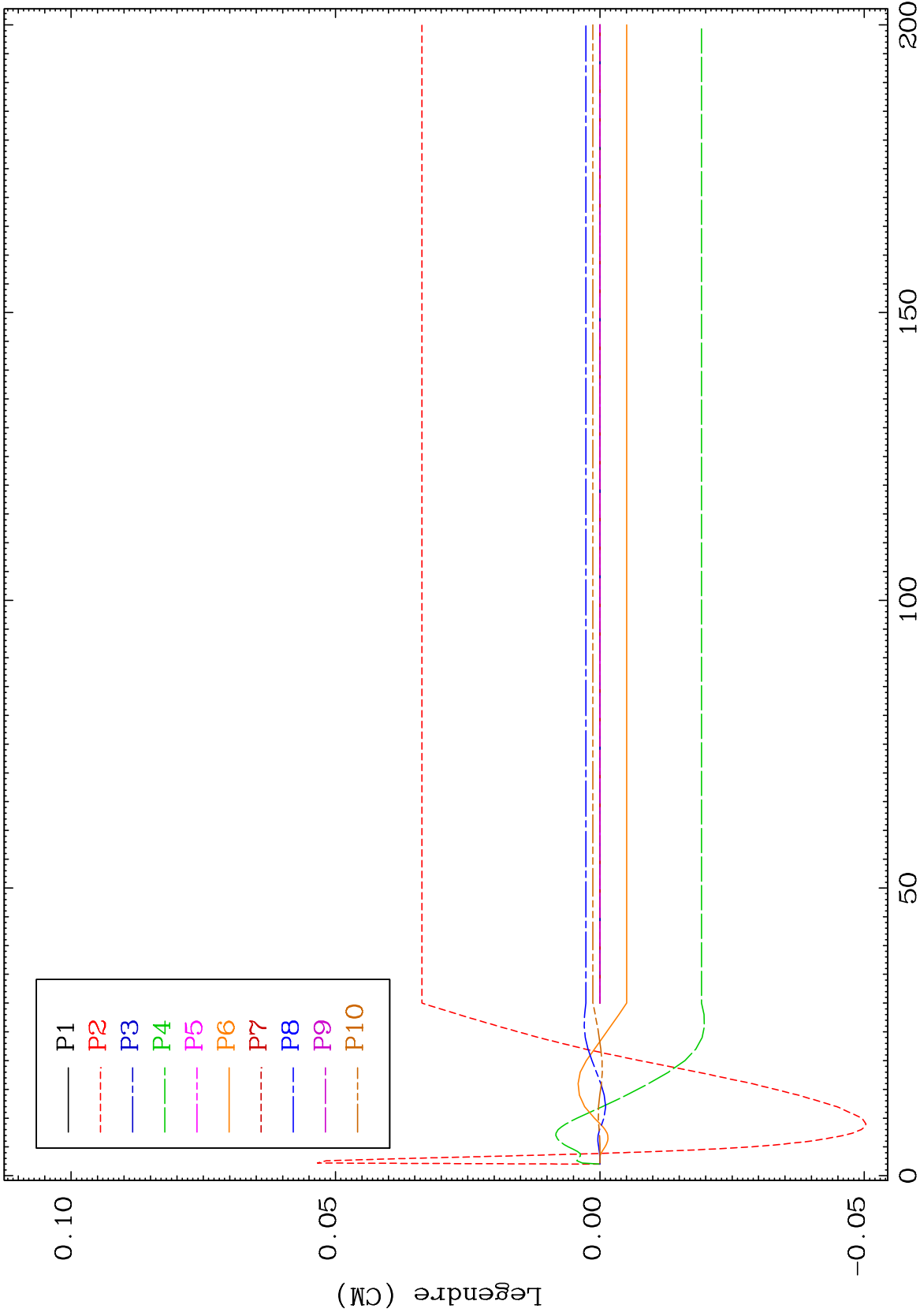
72-Hf-168



120

Incident Energy (MeV)

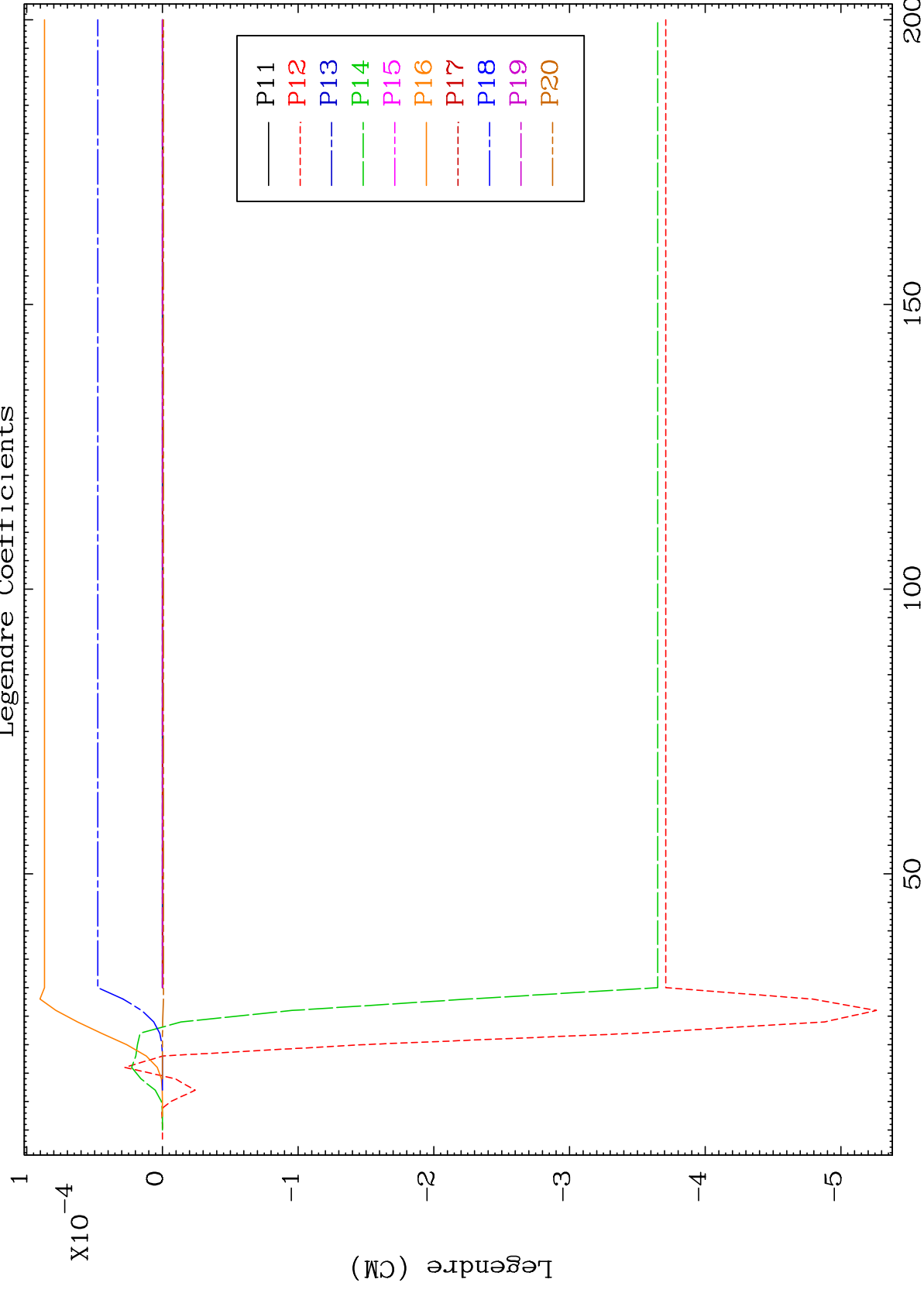
72-Hf-168



MAT 7207

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

72-Hf-168



122

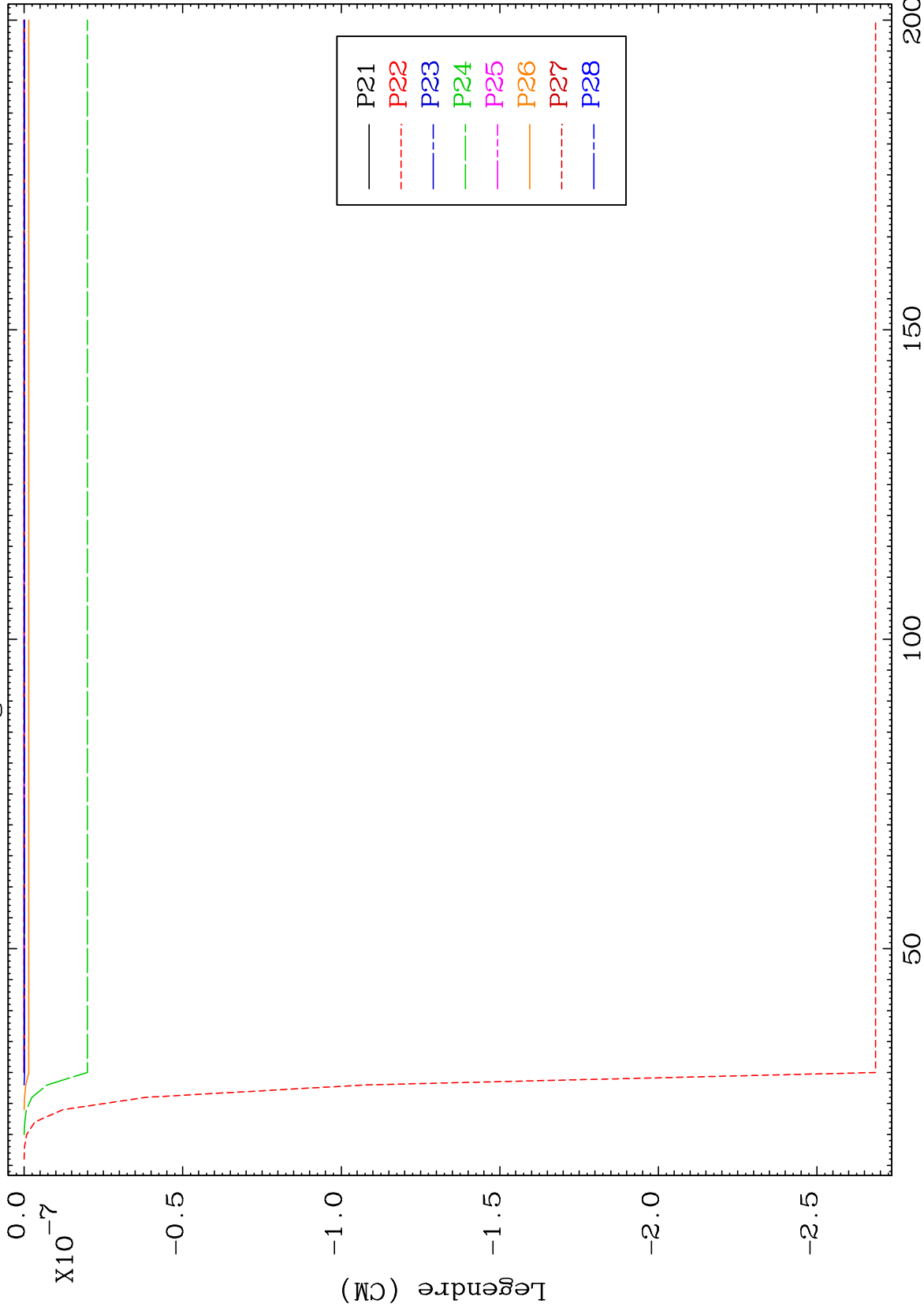
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



123

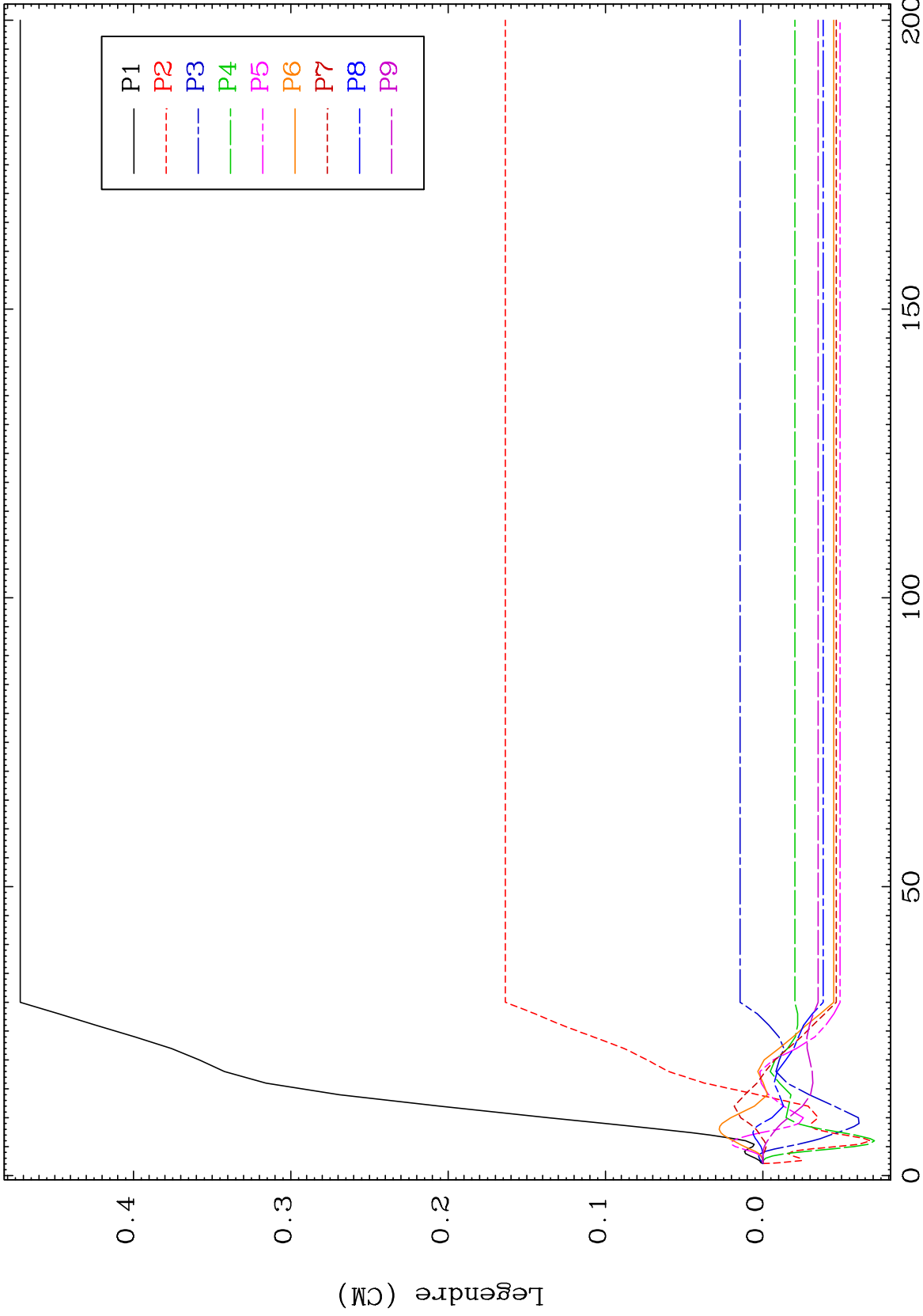
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



124

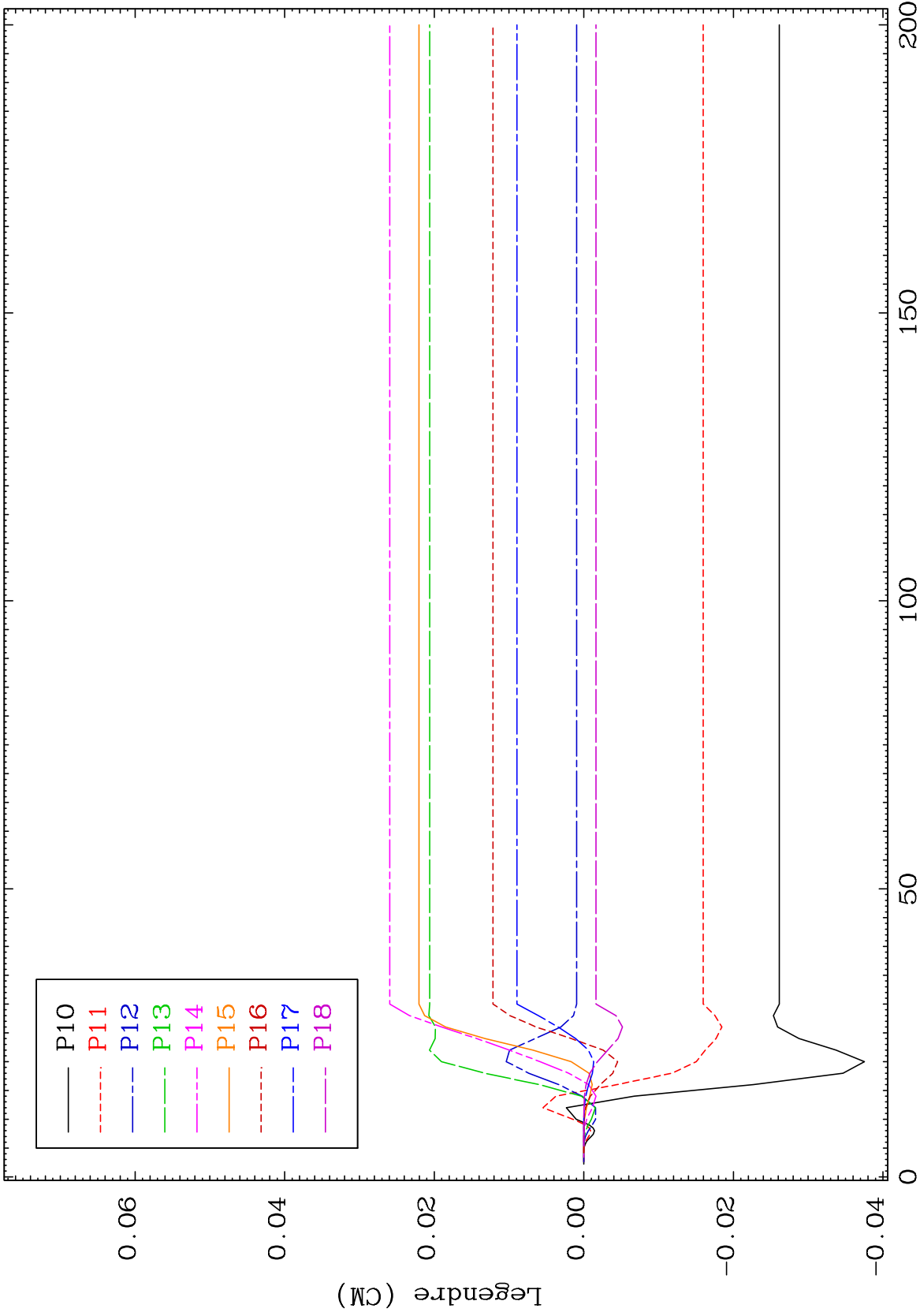
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



125

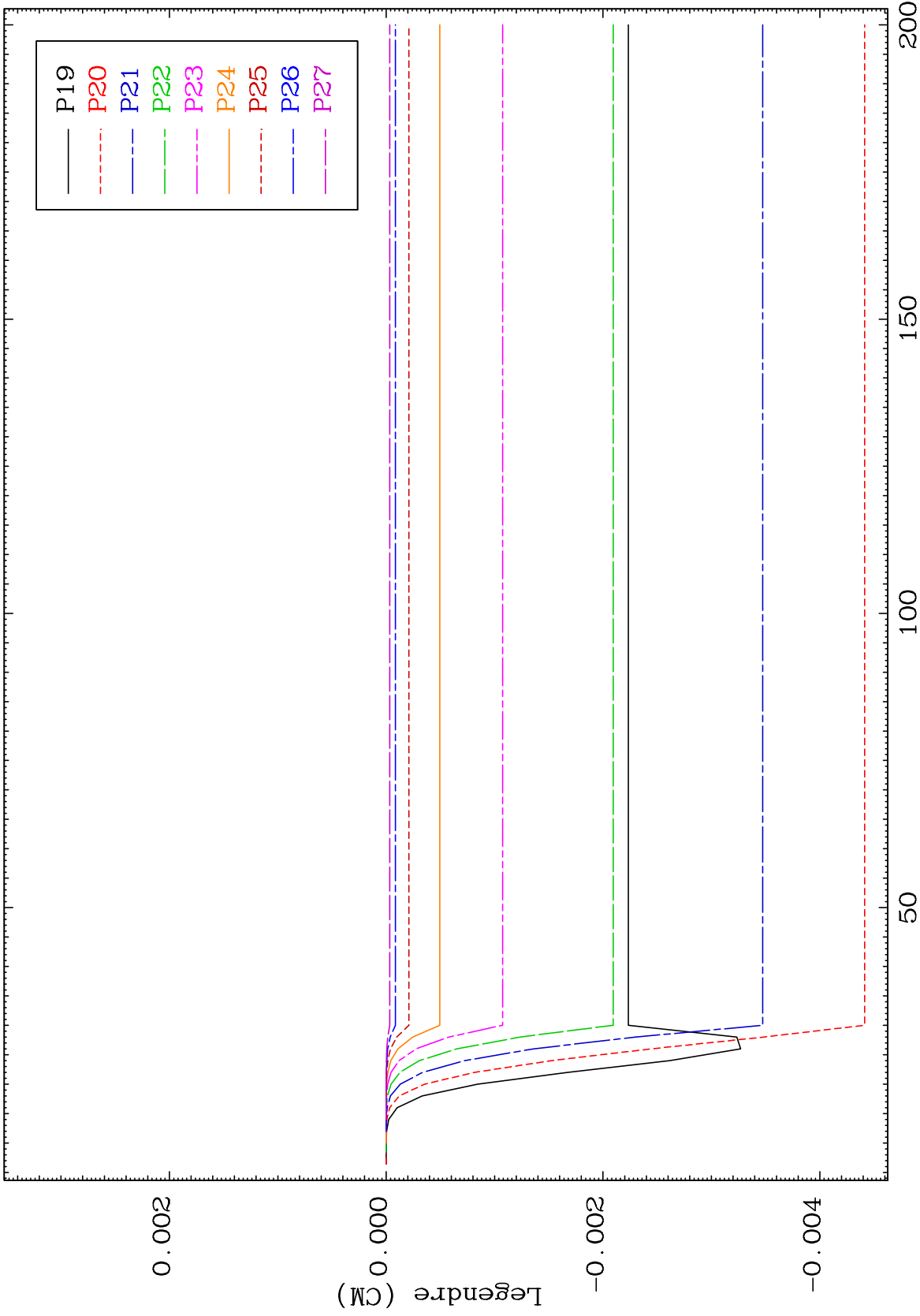
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



126

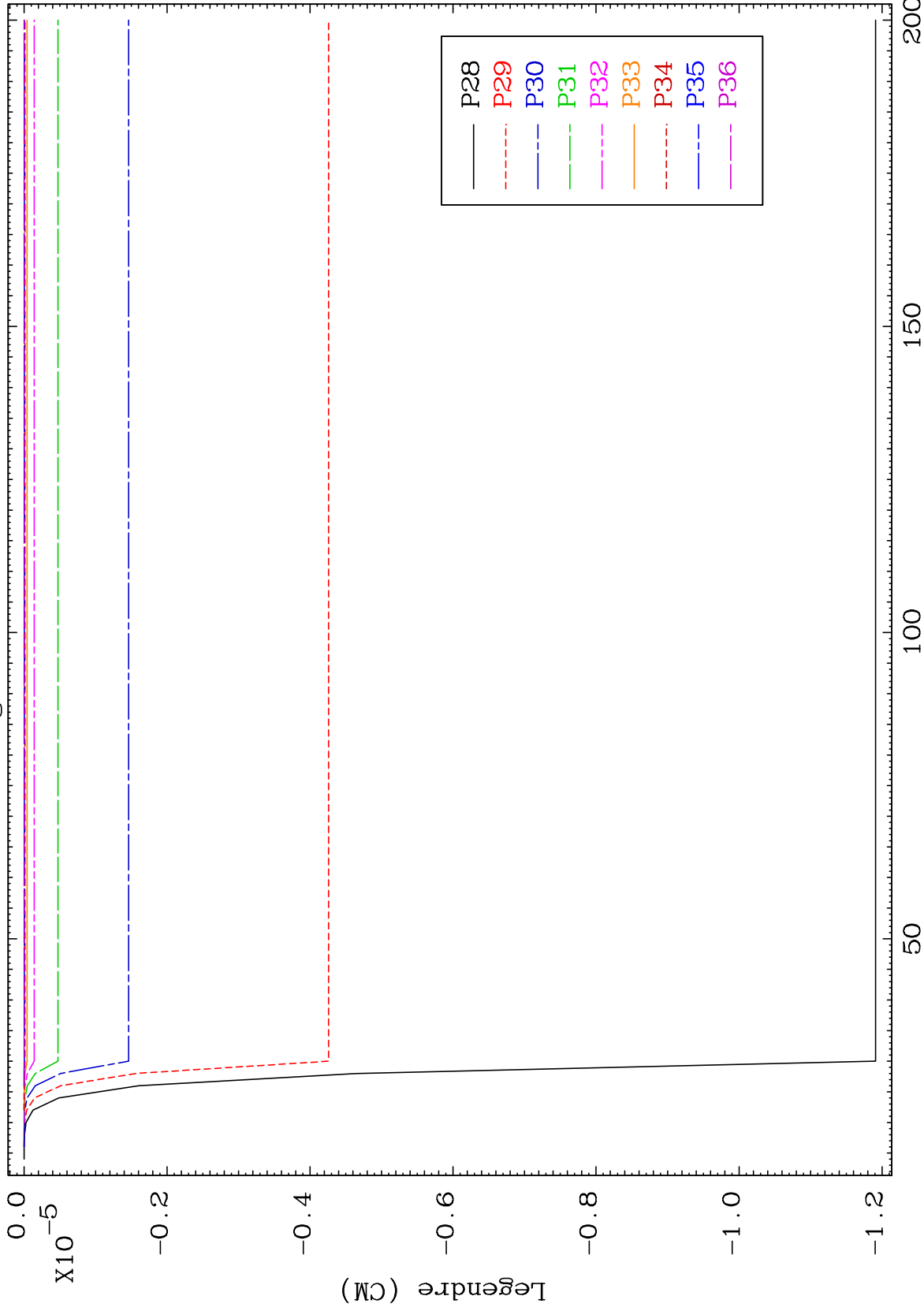
Incident Energy (MeV)

72-Hf-168

MAT 7207

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

72-Hf-168



72-Hf-168

Incident Energy (MeV)

127

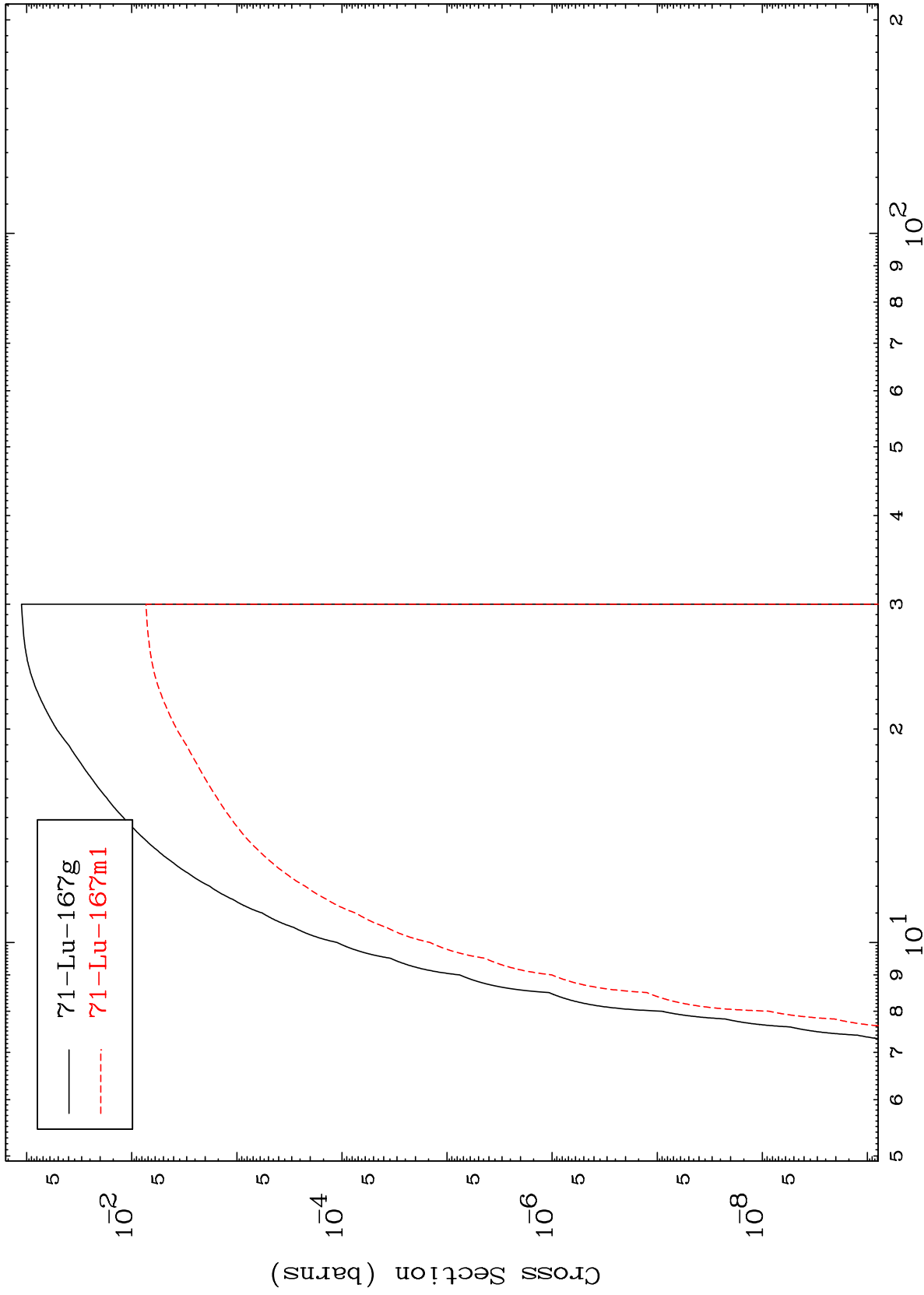


MAT 7207

(n,n') p

72-Hf-168

Radionuclide Production Cross Section

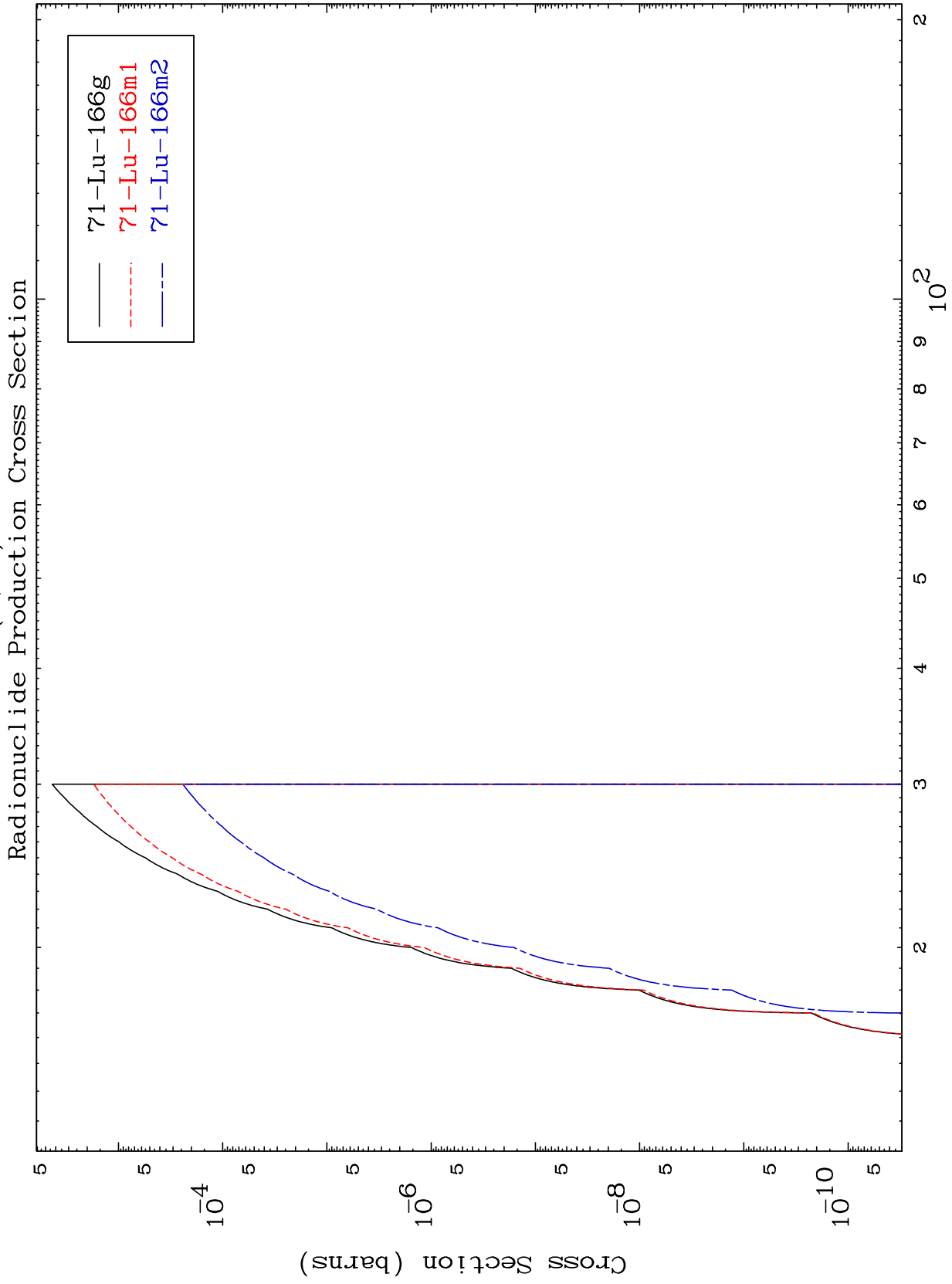


71-Lu-167g  
71-Lu-167m1

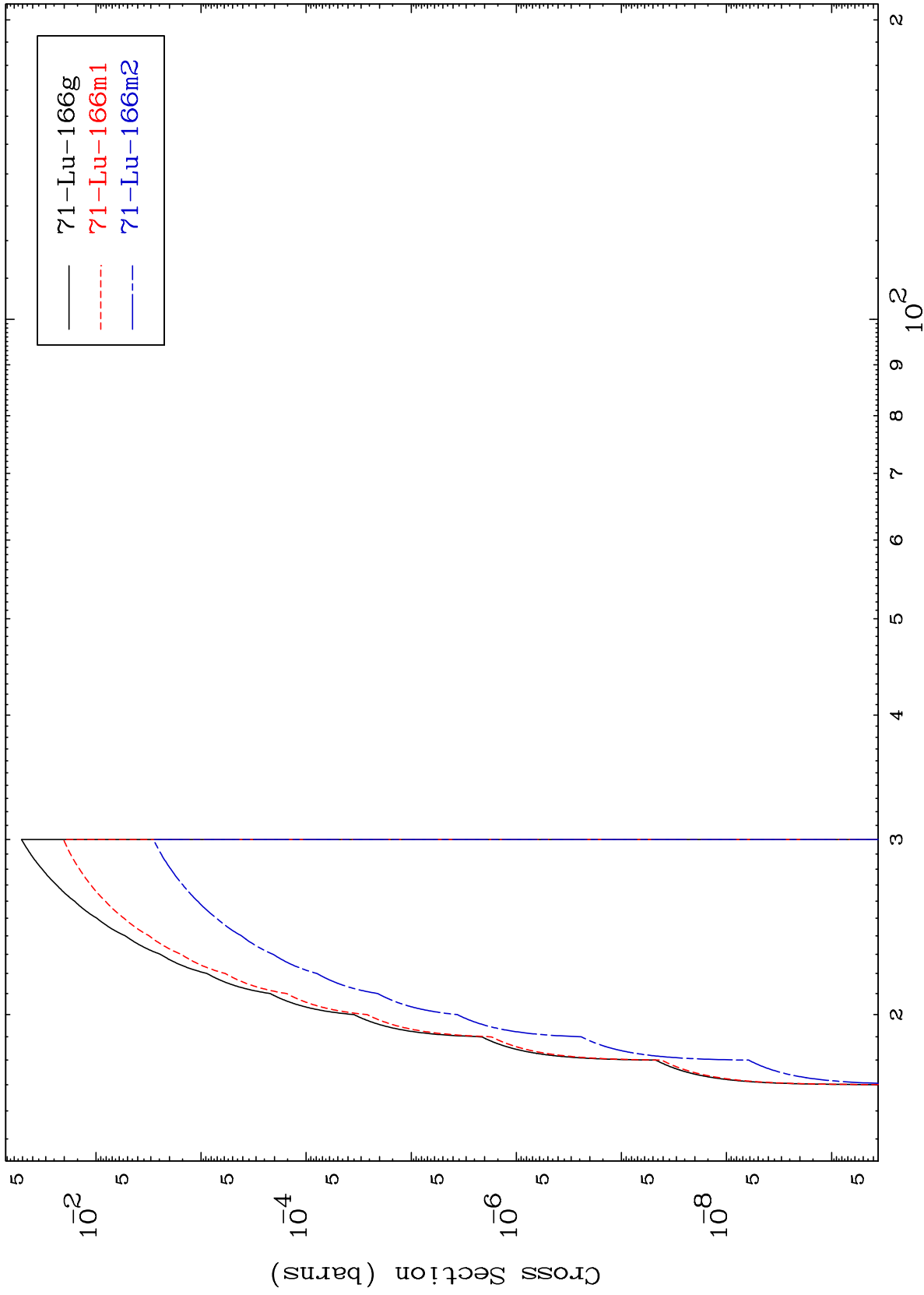
128

Incident Energy (MeV)

72-Hf-168



Radionuclide Production Cross Section

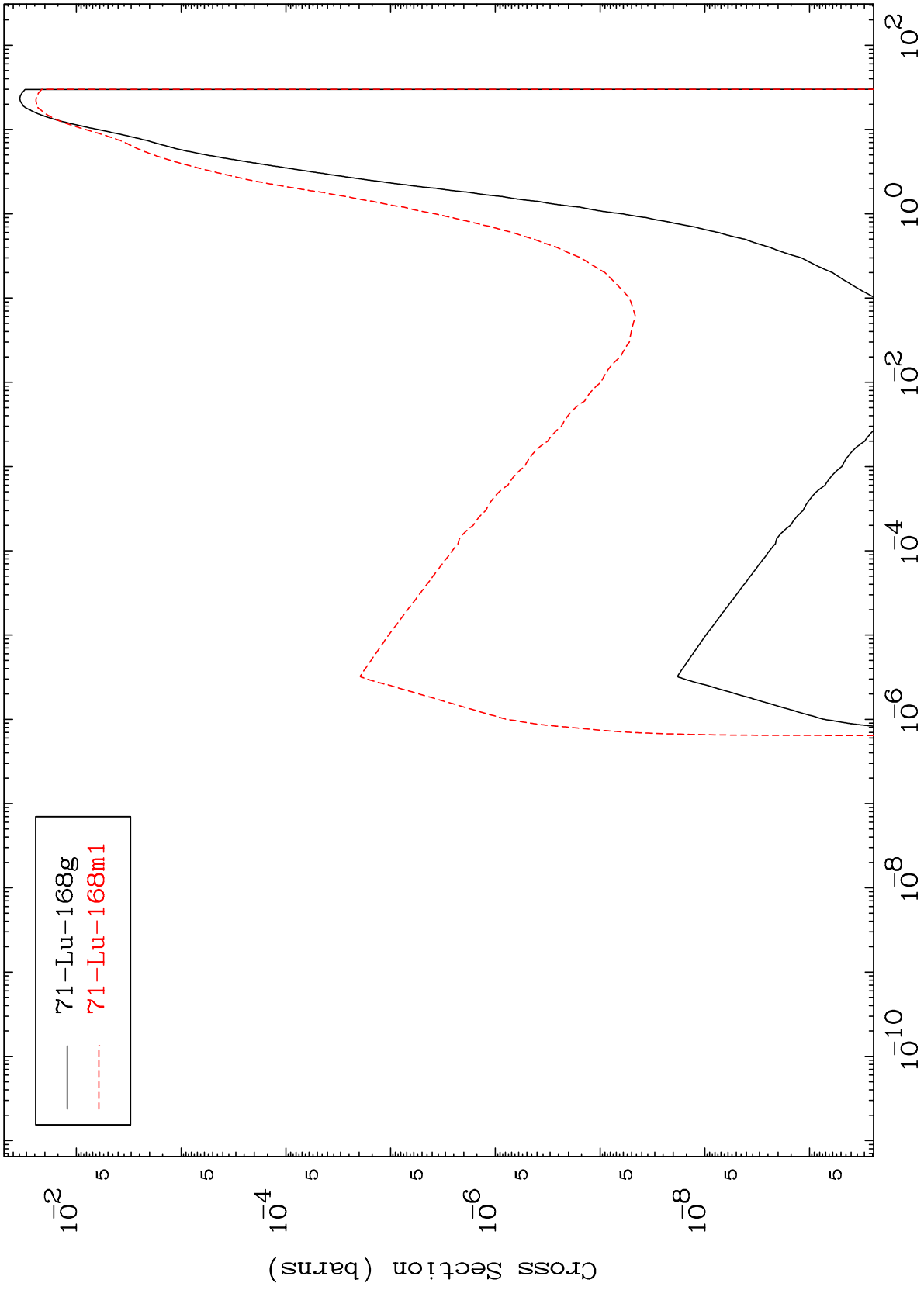


MAT 7207

(n,p)

72-Hf-168

Radionuclide Production Cross Section



131

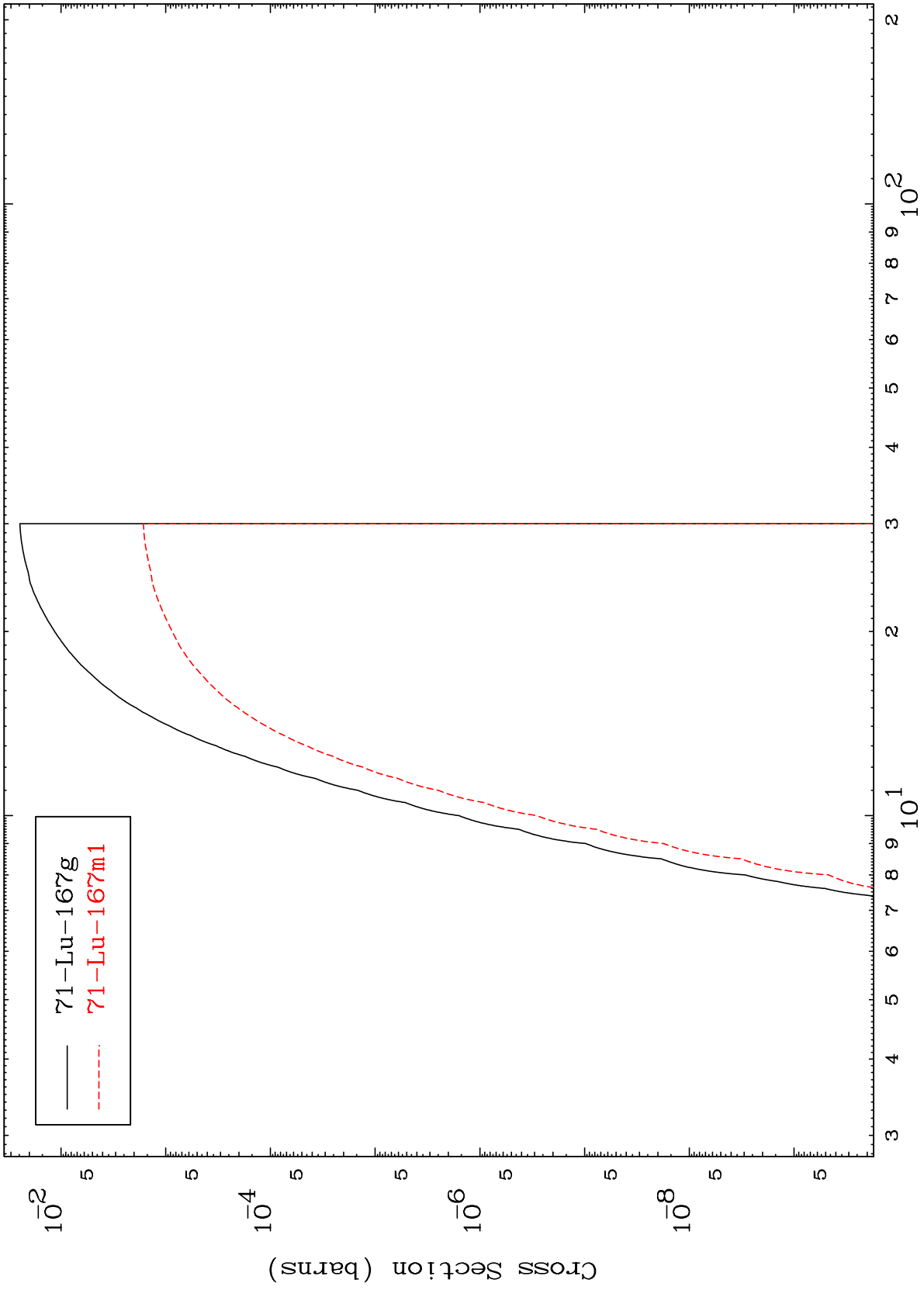
Incident Energy (MeV)

72-Hf-168

MAT 7207

72-Hf-168

(n,d)  
Radionuclide Production Cross Section



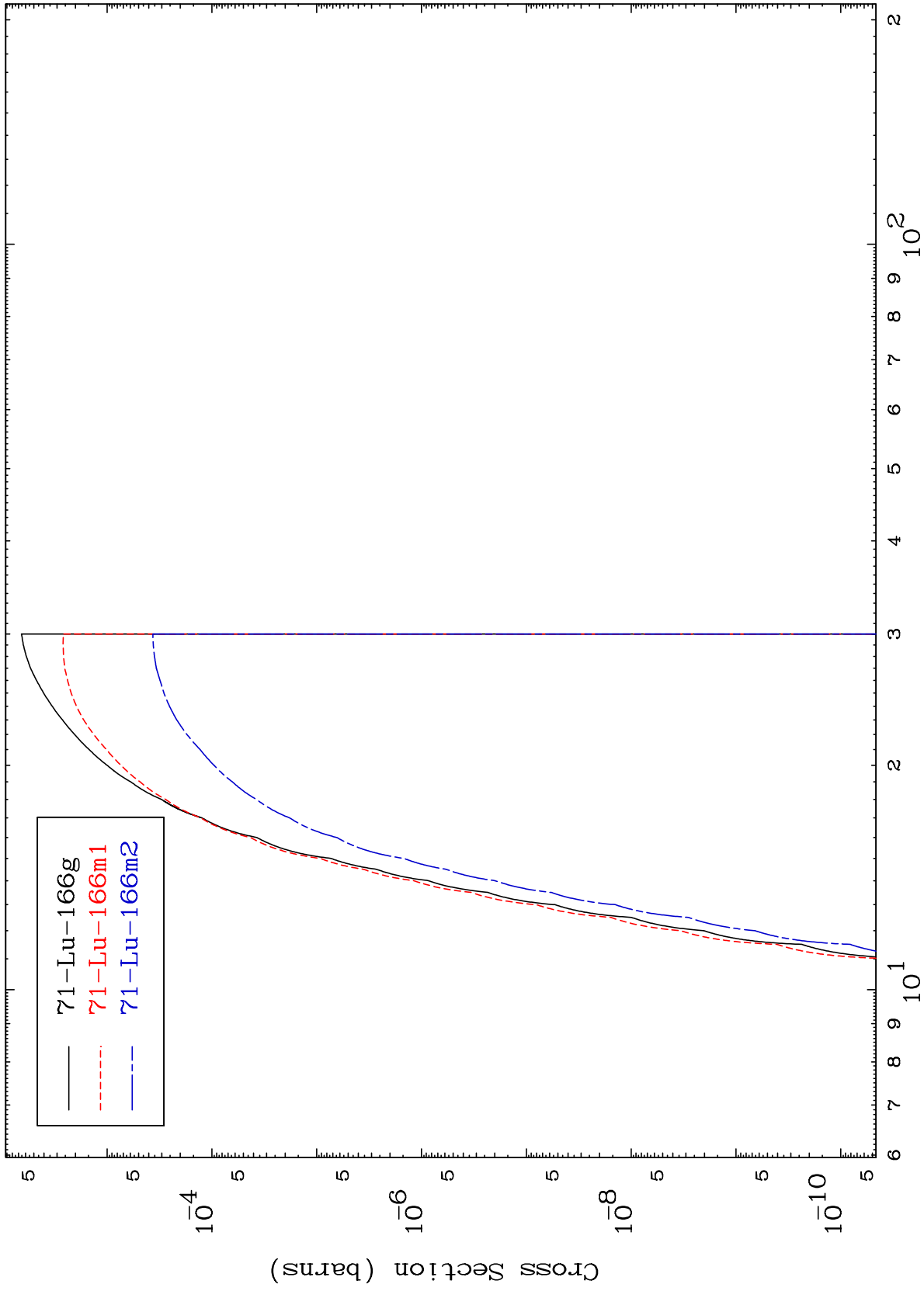
132

72-Hf-168

MAT 7207

72-Hf-168

(n, t)  
Radionuclide Production Cross Section



133

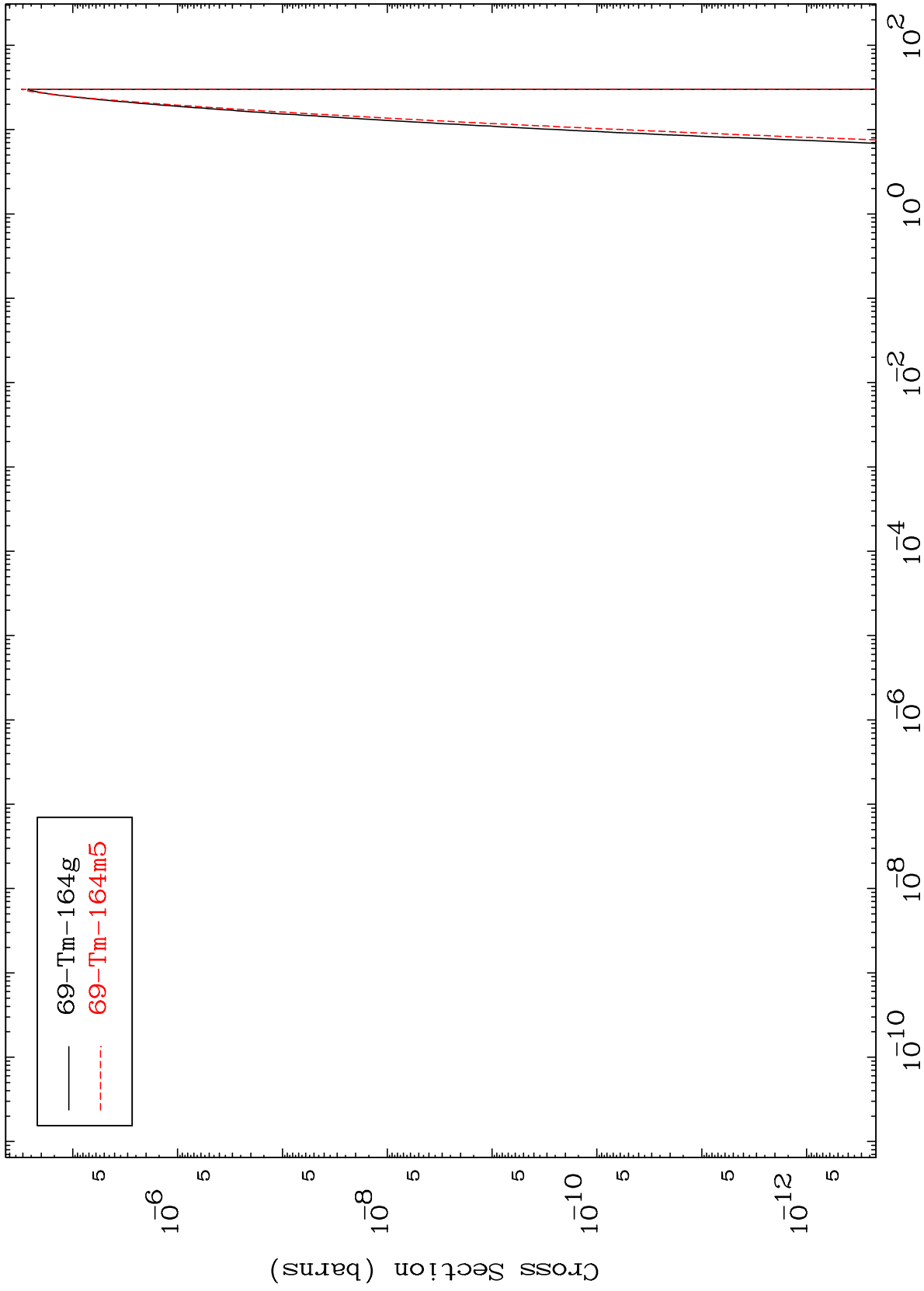
72-Hf-168

MAT 7207

(n,p)  $\alpha$

72-Hf-168

Radionuclide Production Cross Section



134

Incident Energy (MeV)

72-Hf-168