

Program EVALPLOT
(Version 2017-1)

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

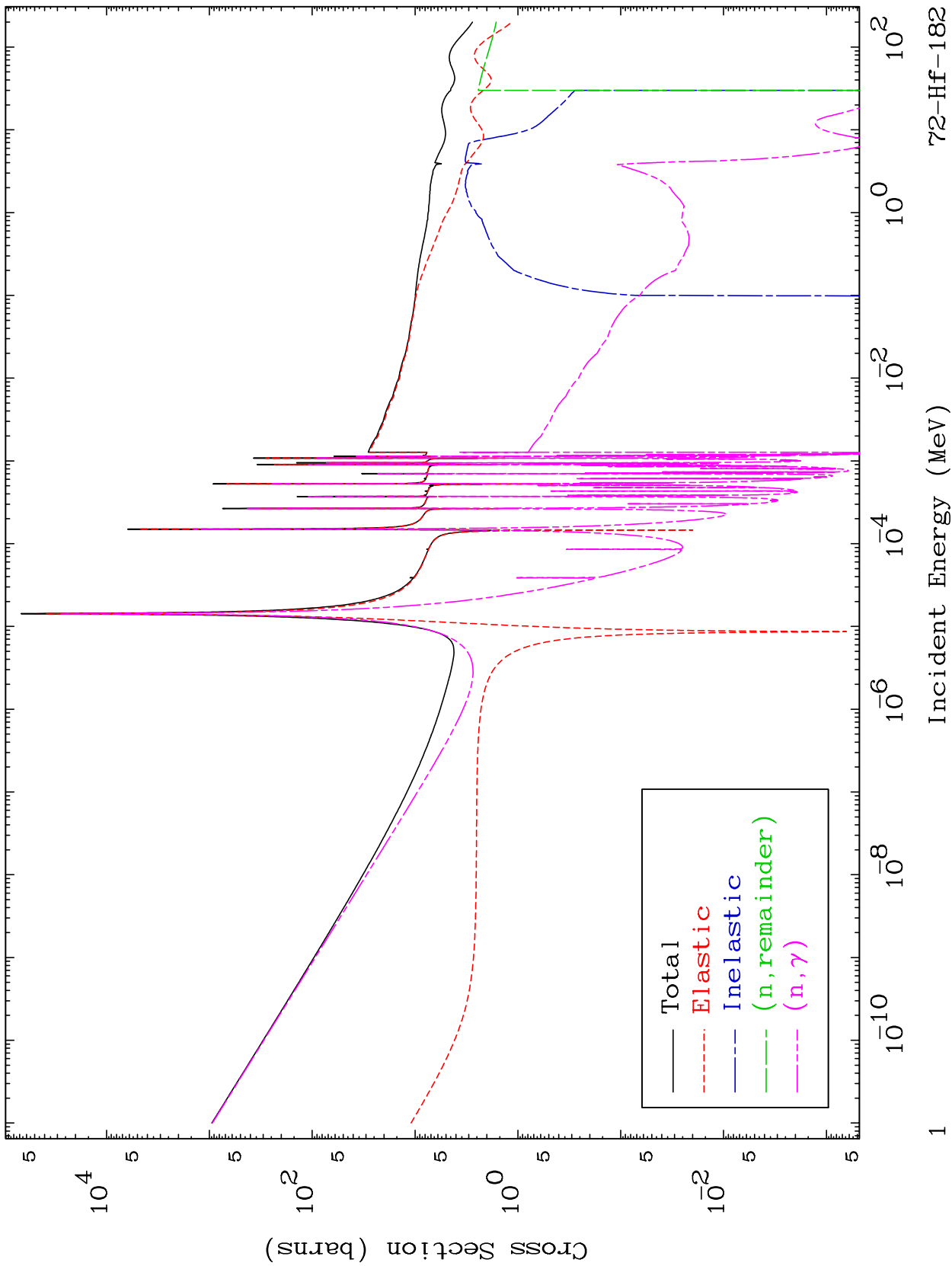
Press Mouse Button to Start

MAT 7249

Major

293 Kelvin Cross Sections

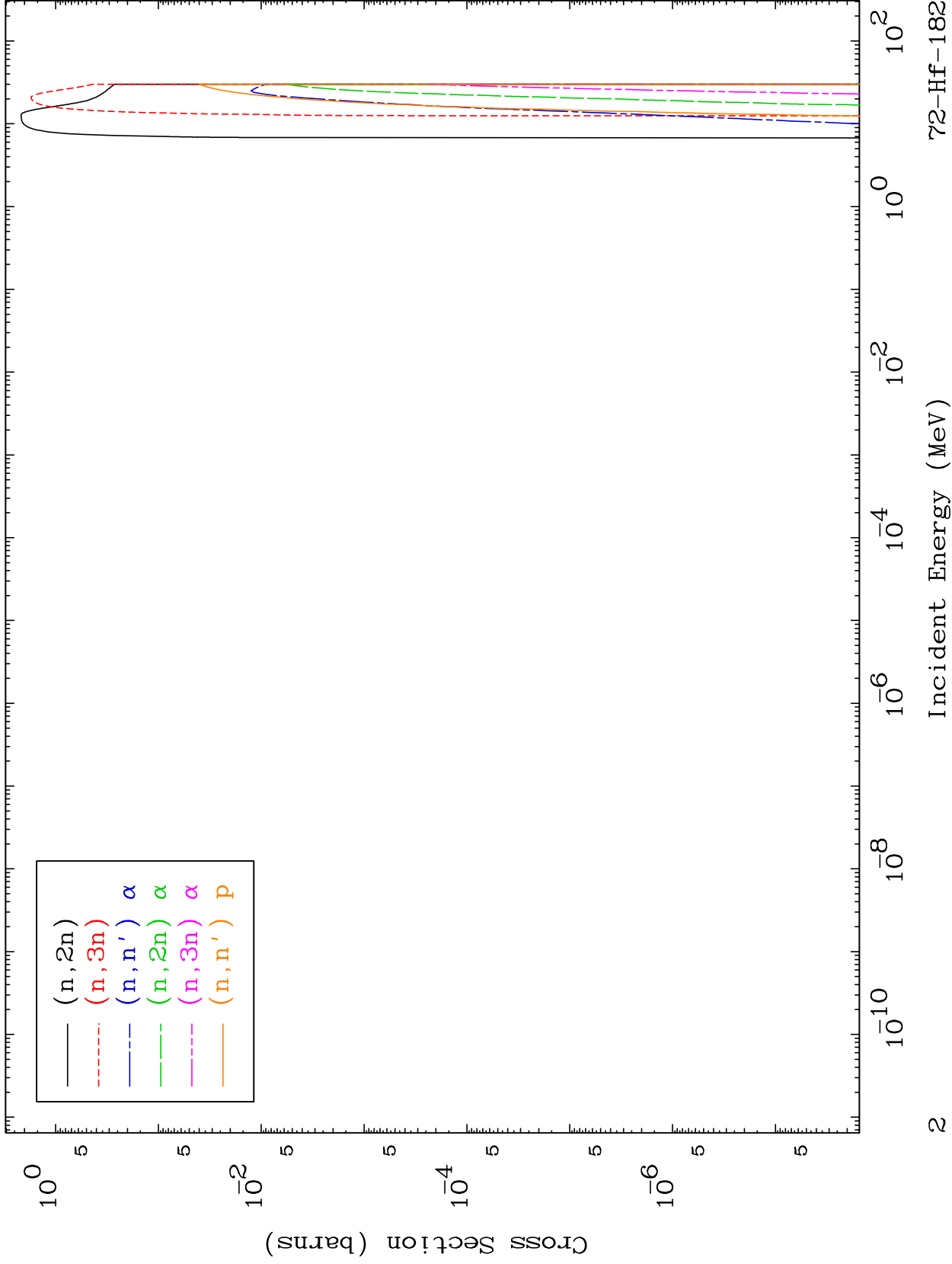
72-Hf-182

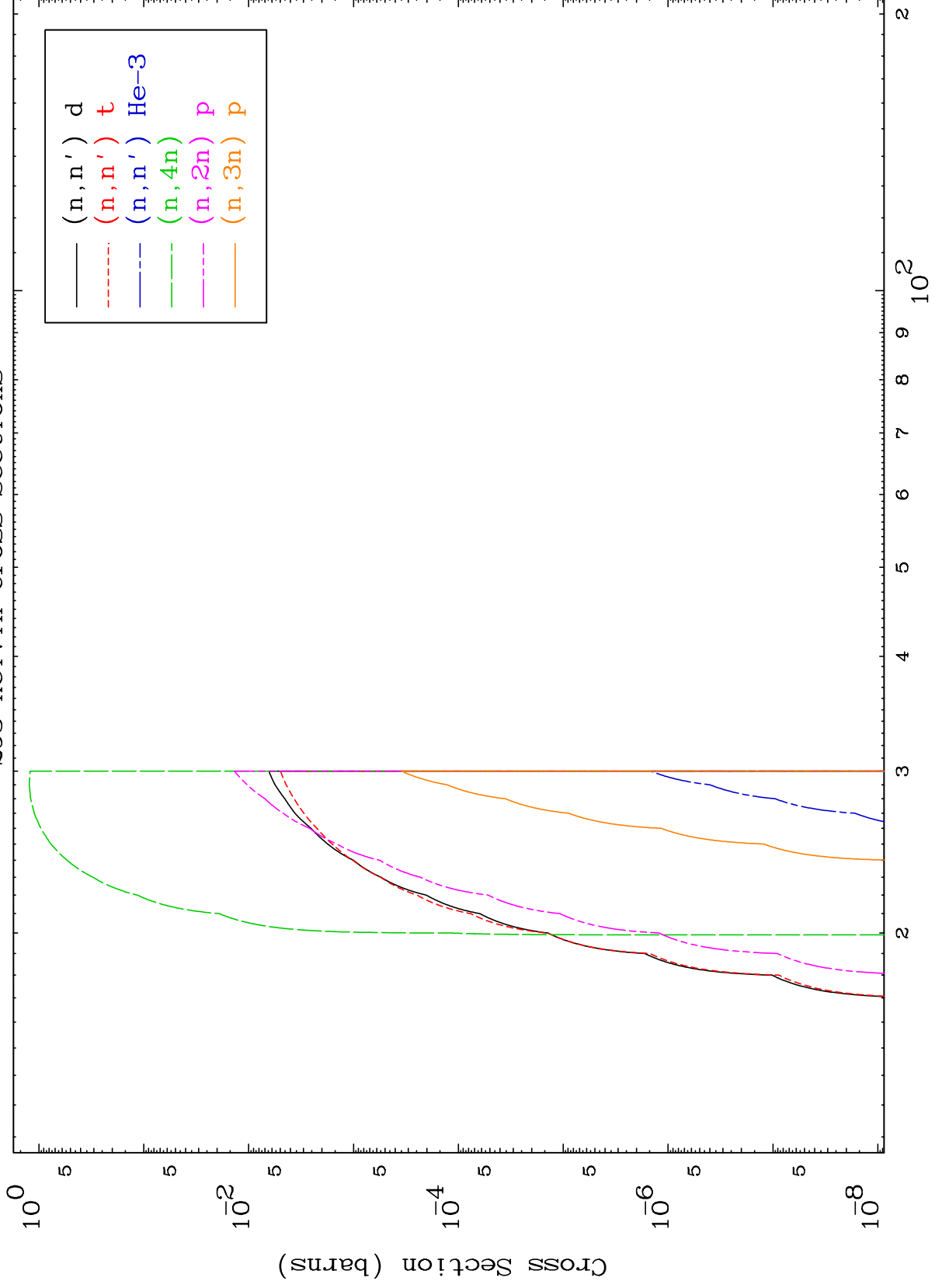


MAT 7249

Neutron Production
293 Kelvin Cross Sections

72-Hf-182

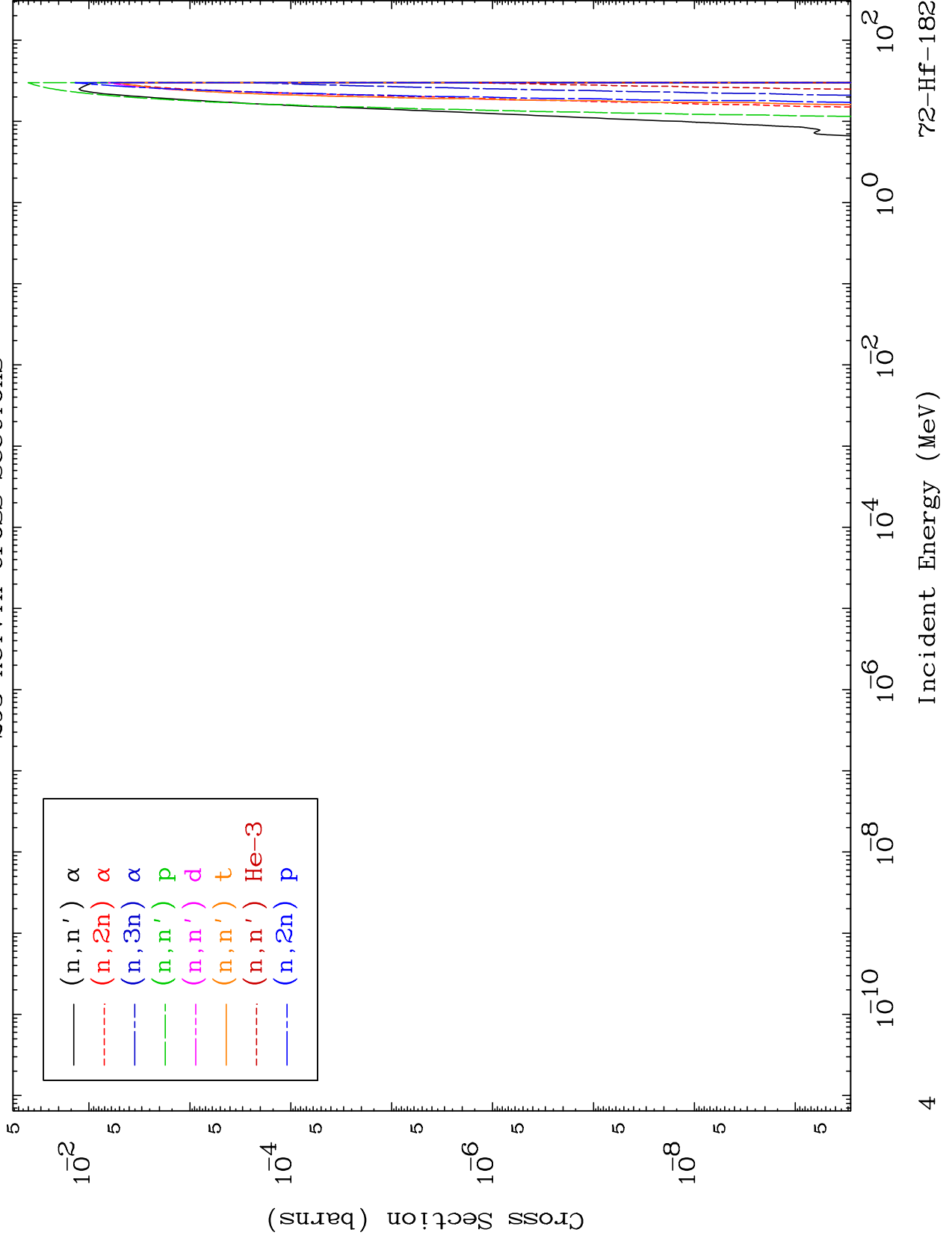




MAT 7249

Charged Particle
293 Kelvin Cross Sections

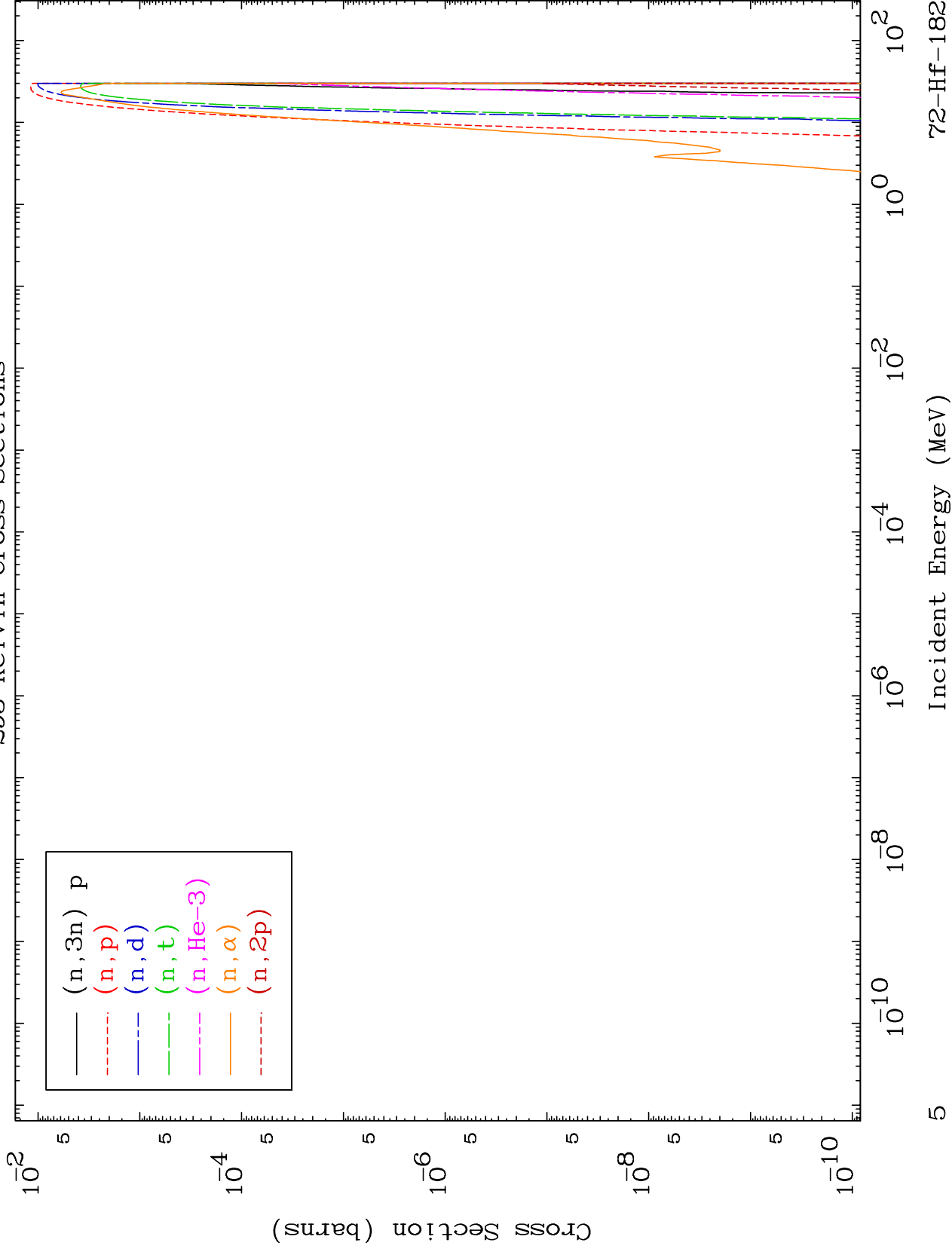
72-Hf-182



MAT 7249

Charged Particle
293 Kelvin Cross Sections

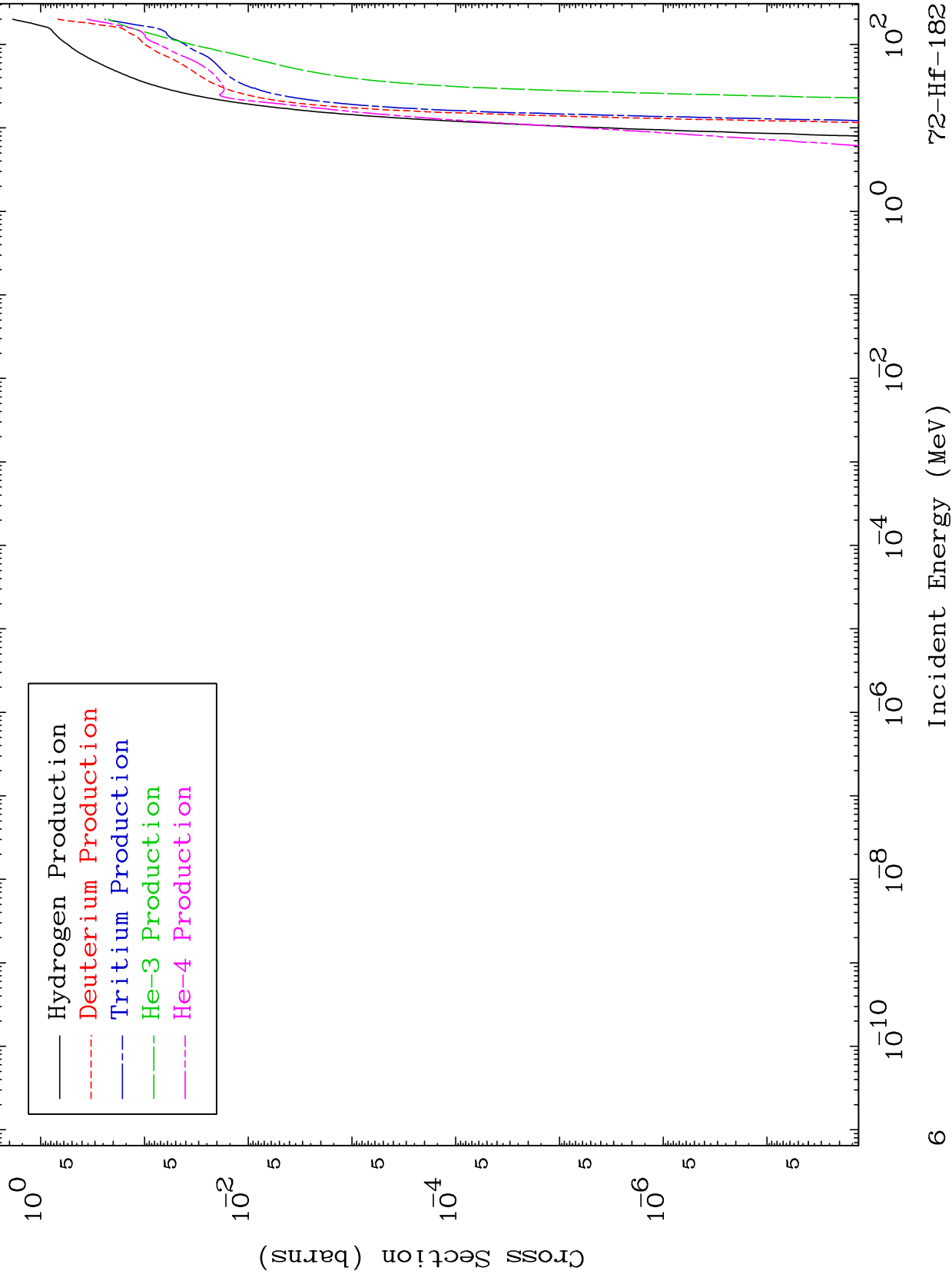
72-Hf-182



MAT 7249

Particle Production
293 Kelvin Cross Sections

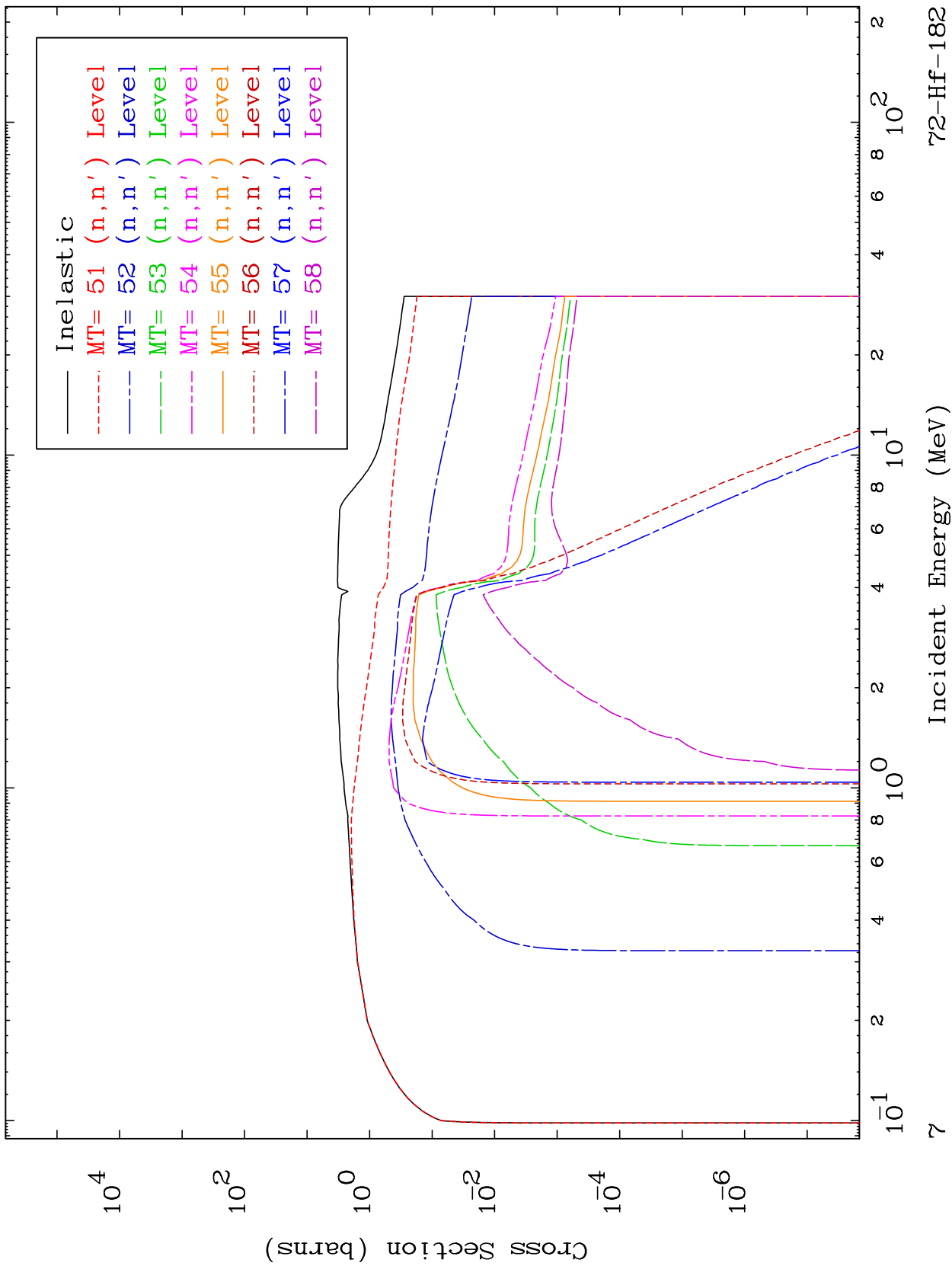
72-Hf-182



MAT 7249

(n,n') Level
293 Kelvin Cross Sections

72-Hf-182



72-Hf-182

Incident Energy (MeV)

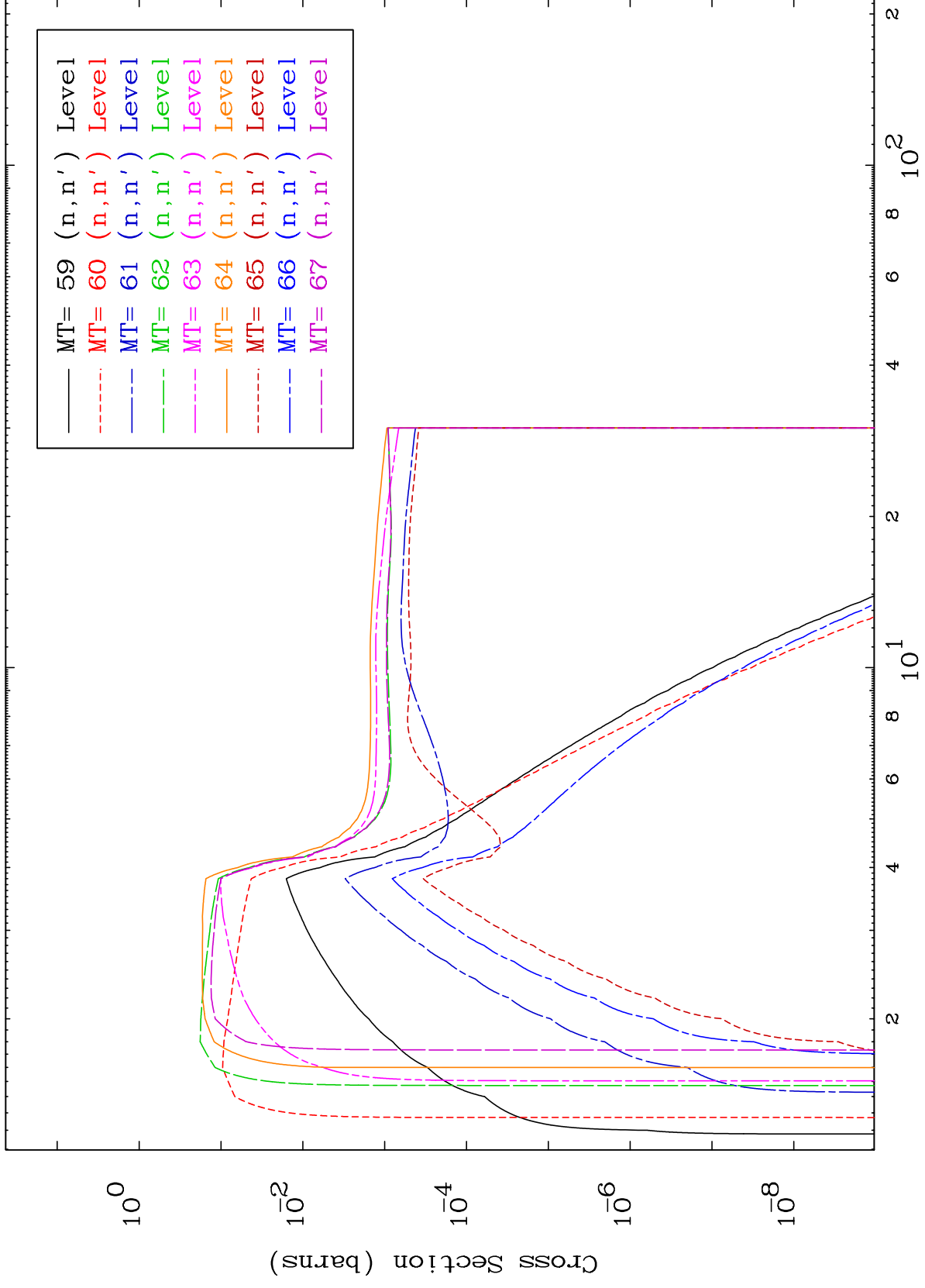
7

MAT 7249

(n,n') Level

72-Hf-182

293 Kelvin Cross Sections



8

Incident Energy (MeV)

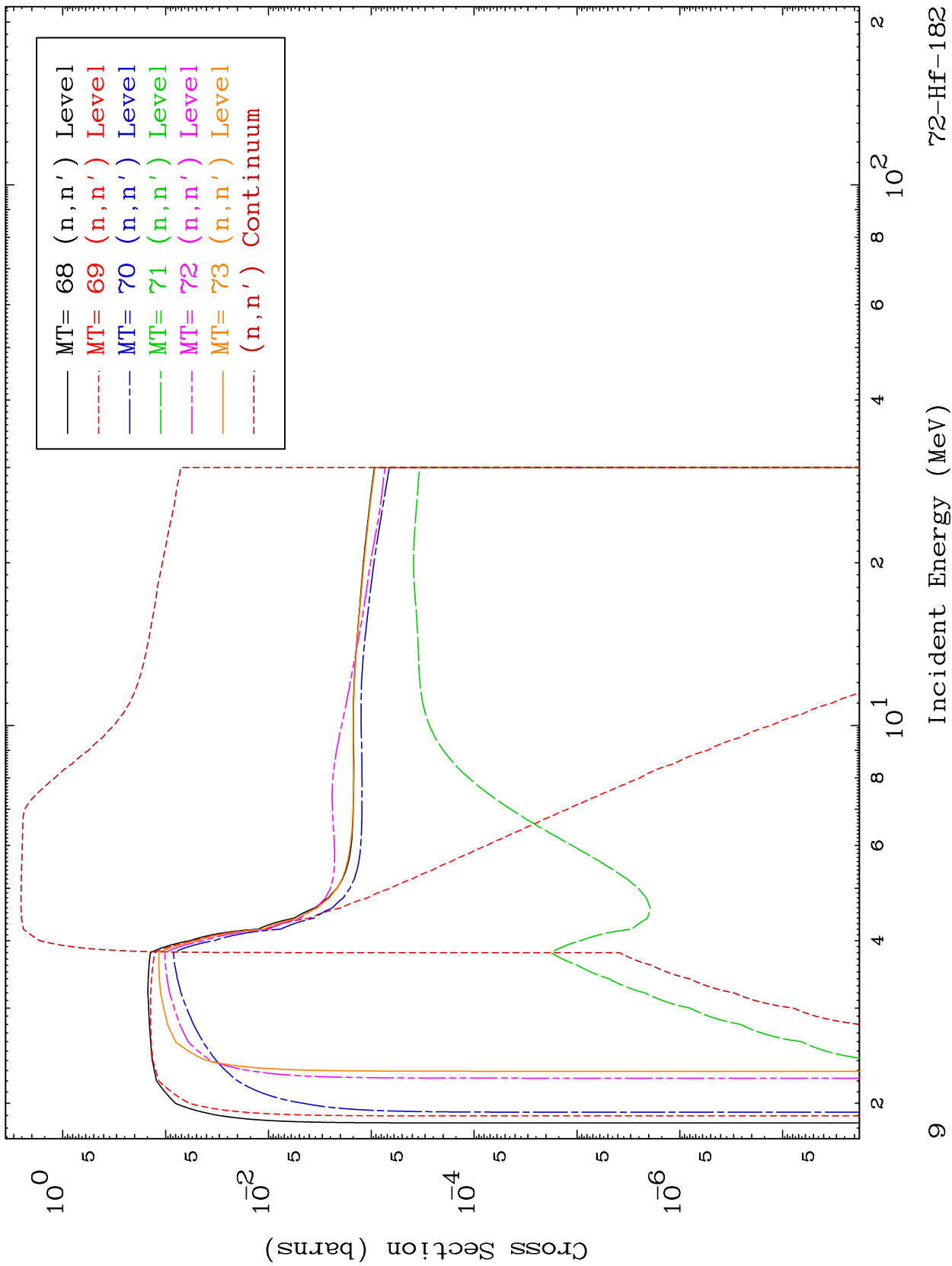
72-Hf-182

MAT 7249

(n,n') Level

293 Kelvin Cross Sections

72-Hf-182



9

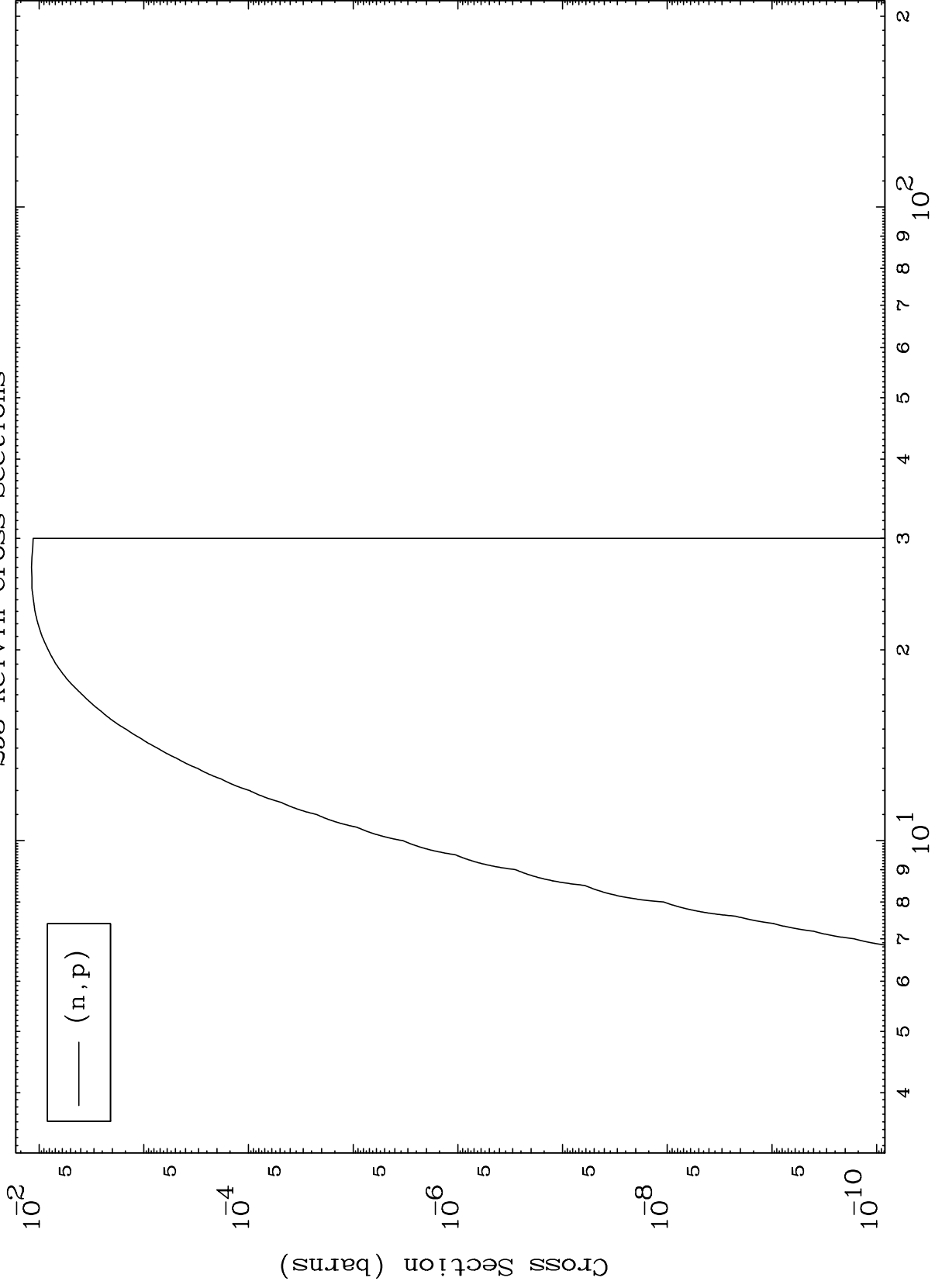
Incident Energy (MeV)

72-Hf-182

MAT 7249

(n,p) Levels
293 Kelvin Cross Sections

72-Hf-182



10

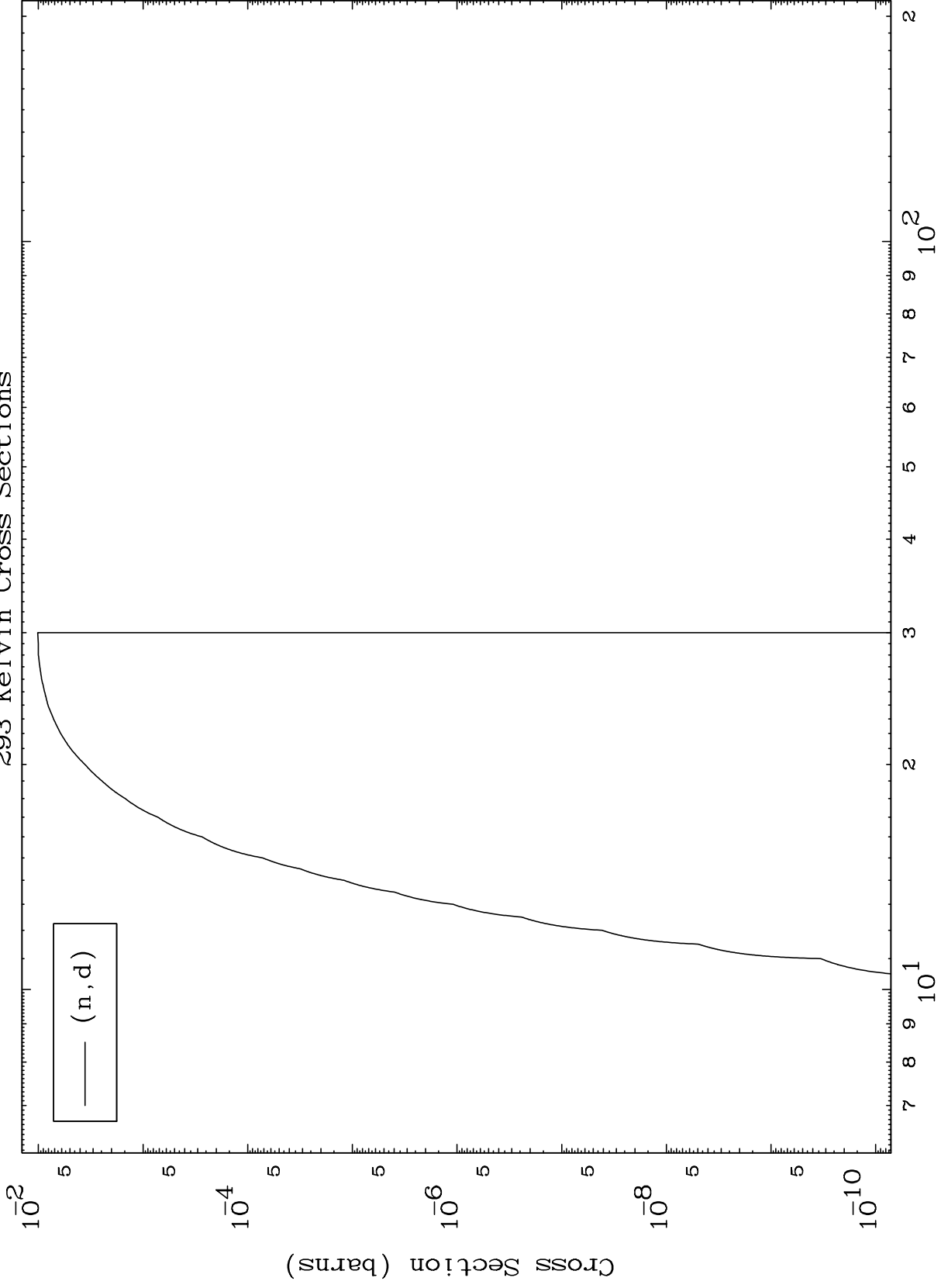
Incident Energy (MeV)

72-Hf-182

MAT 7249

(n,d) Levels
293 Kelvin Cross Sections

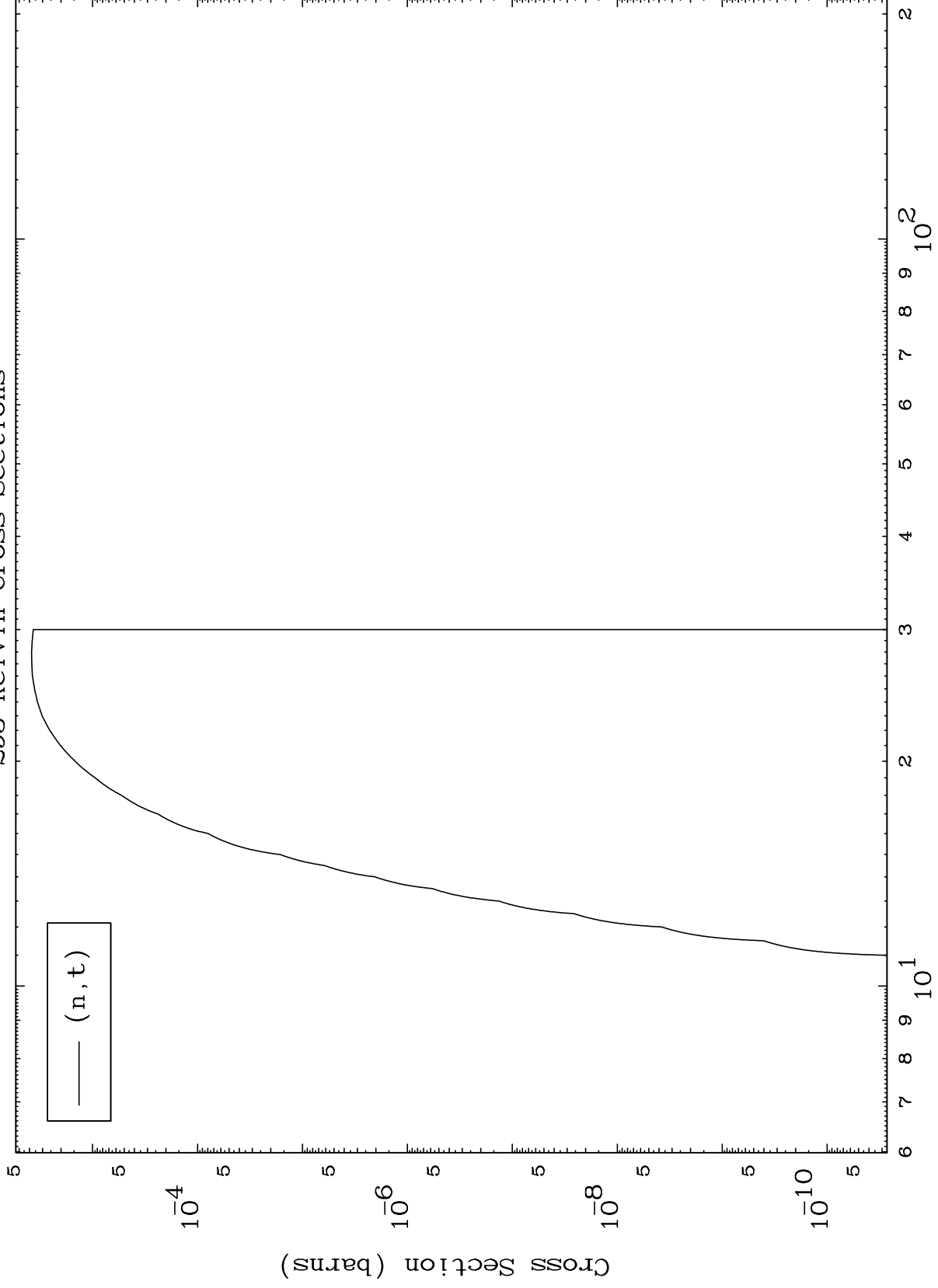
72-Hf-182



MAT 7249

(n,t) Levels
293 Kelvin Cross Sections

72-Hf-182



12

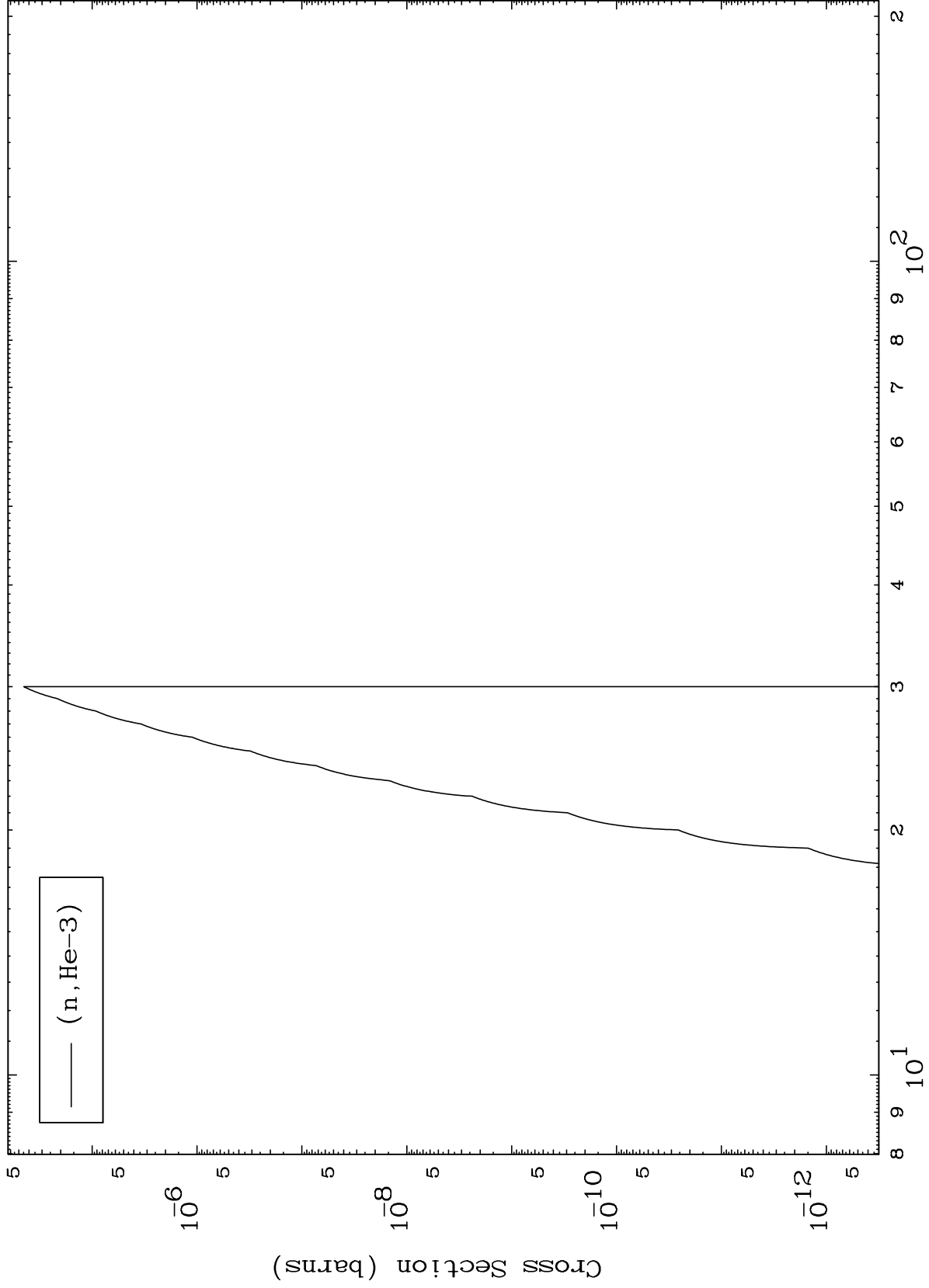
Incident Energy (MeV)

72-Hf-182

MAT 7249

(n,He3) Levels
293 Kelvin Cross Sections

72-Hf-182



13

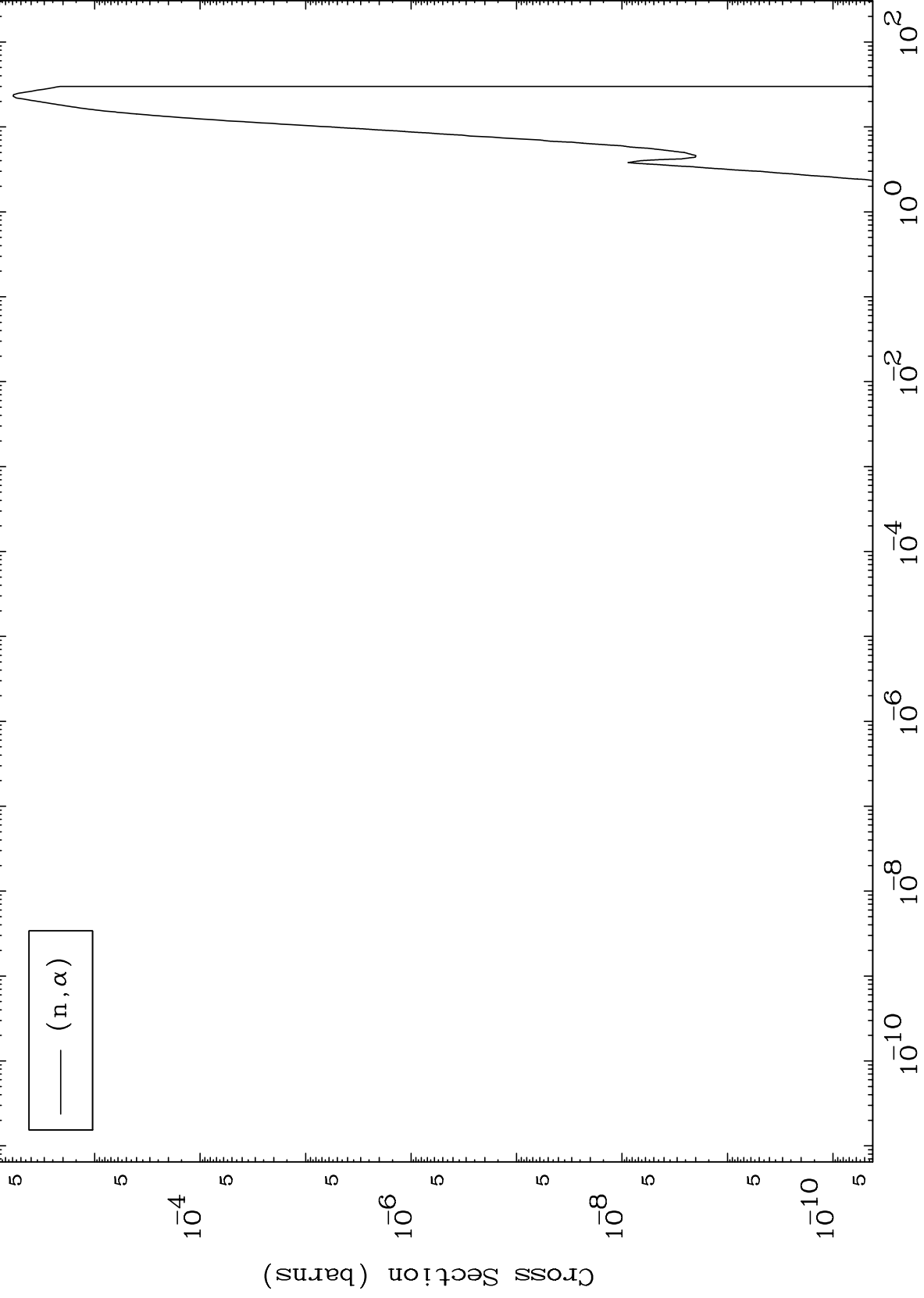
Incident Energy (MeV)

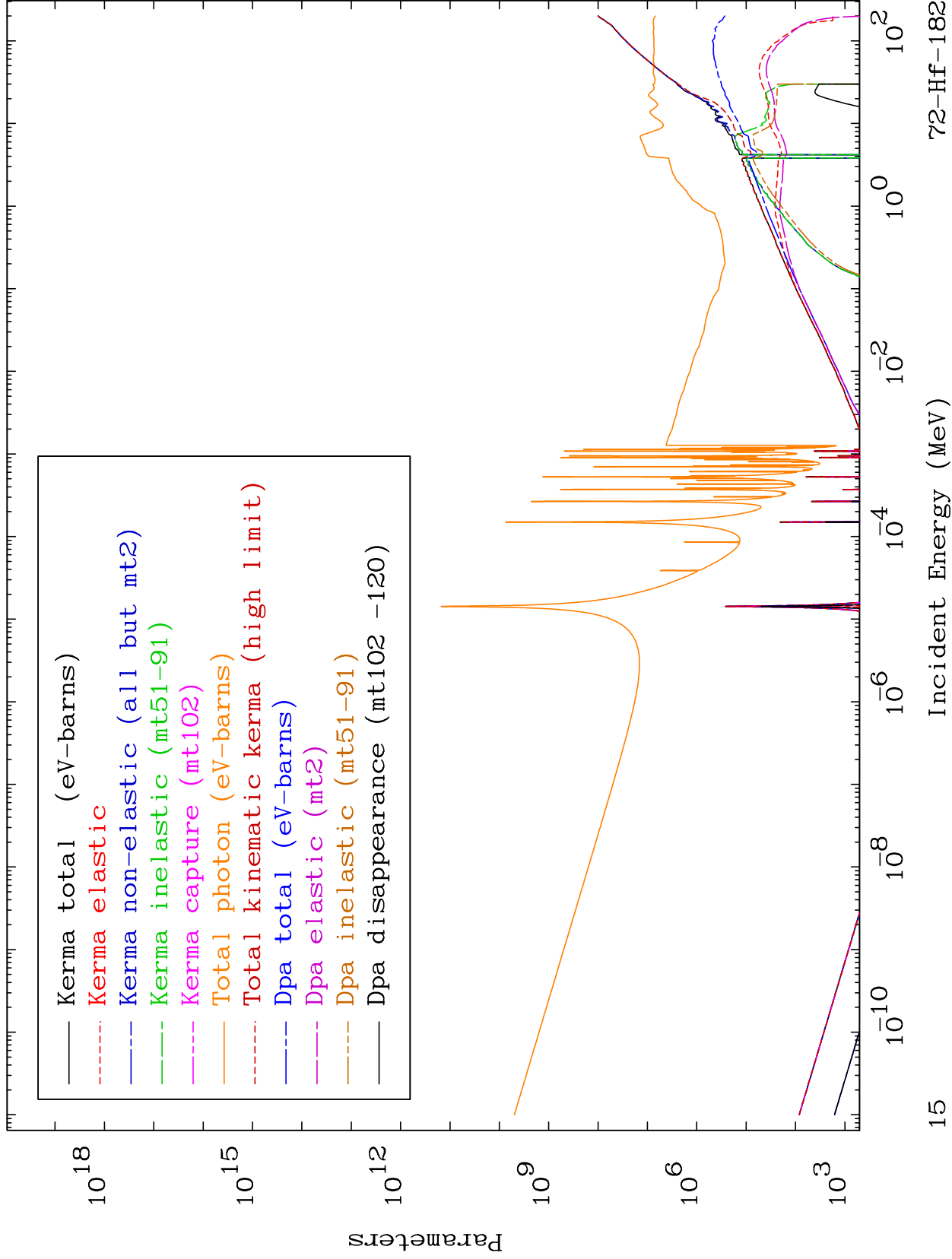
72-Hf-182

MAT 7249

(n, α) Levels
293 Kelvin Cross Sections

72-Hf-182

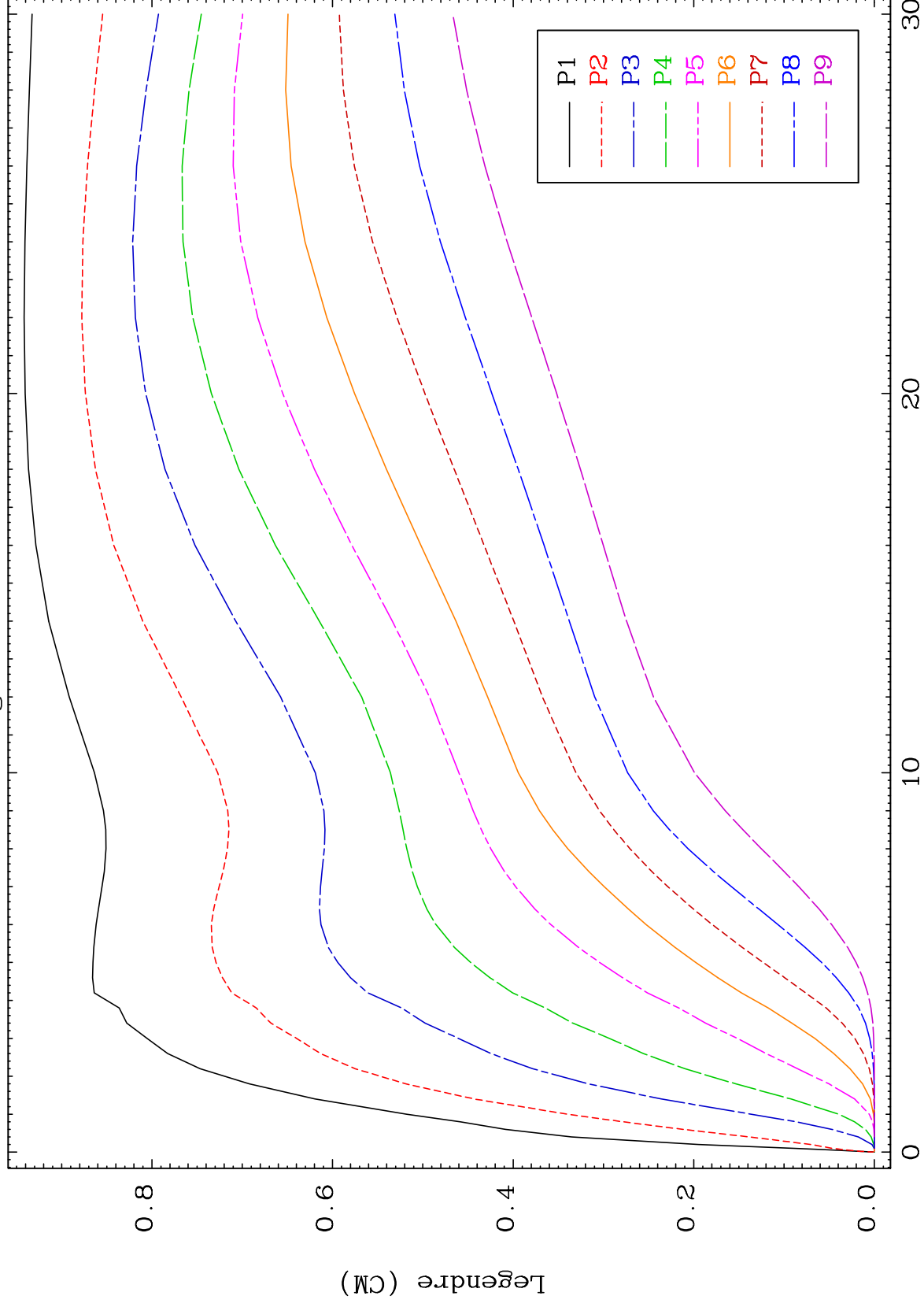




MAT 7249

Elastic Legendre Coefficients

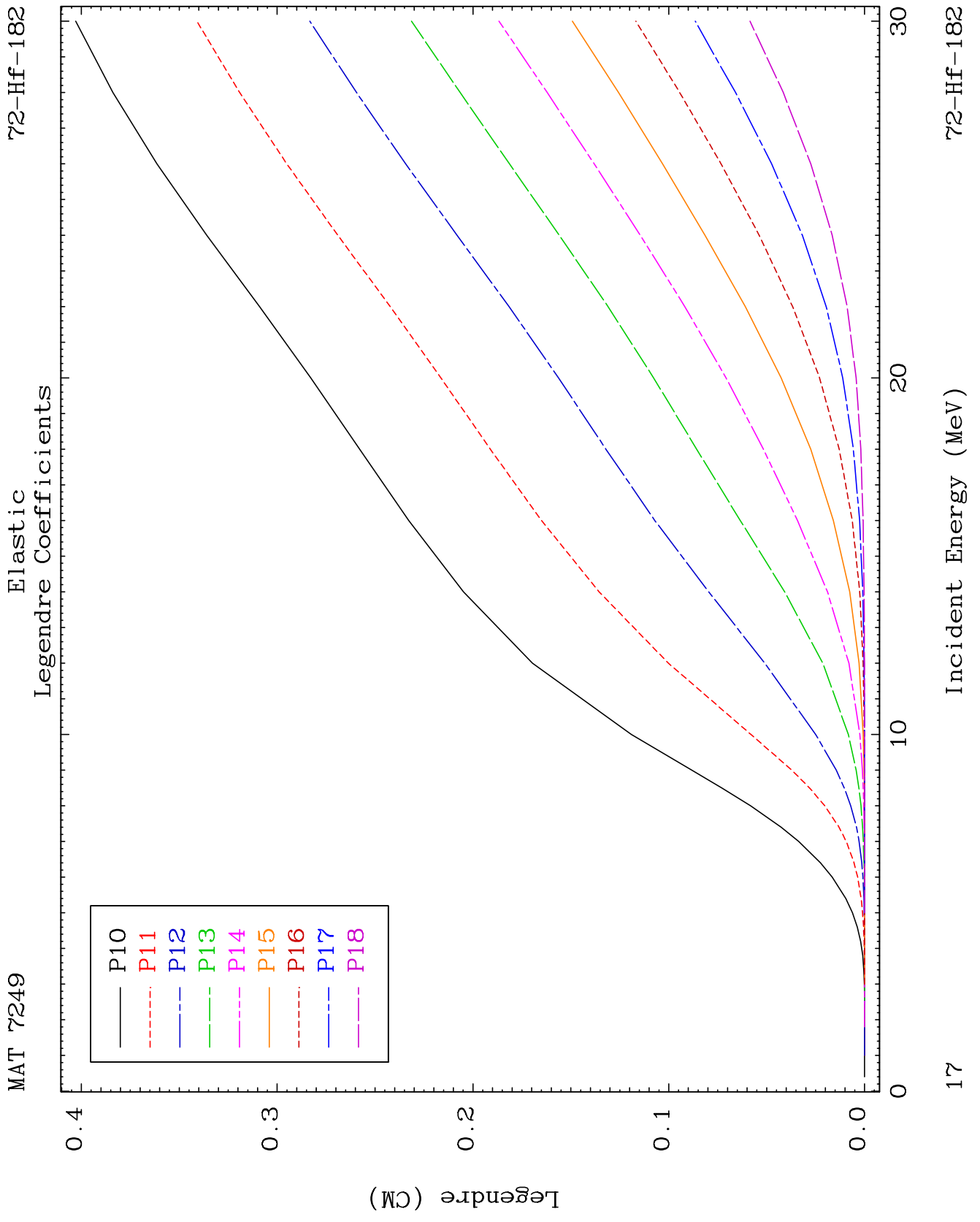
72-Hf-182



16

Incident Energy (MeV)

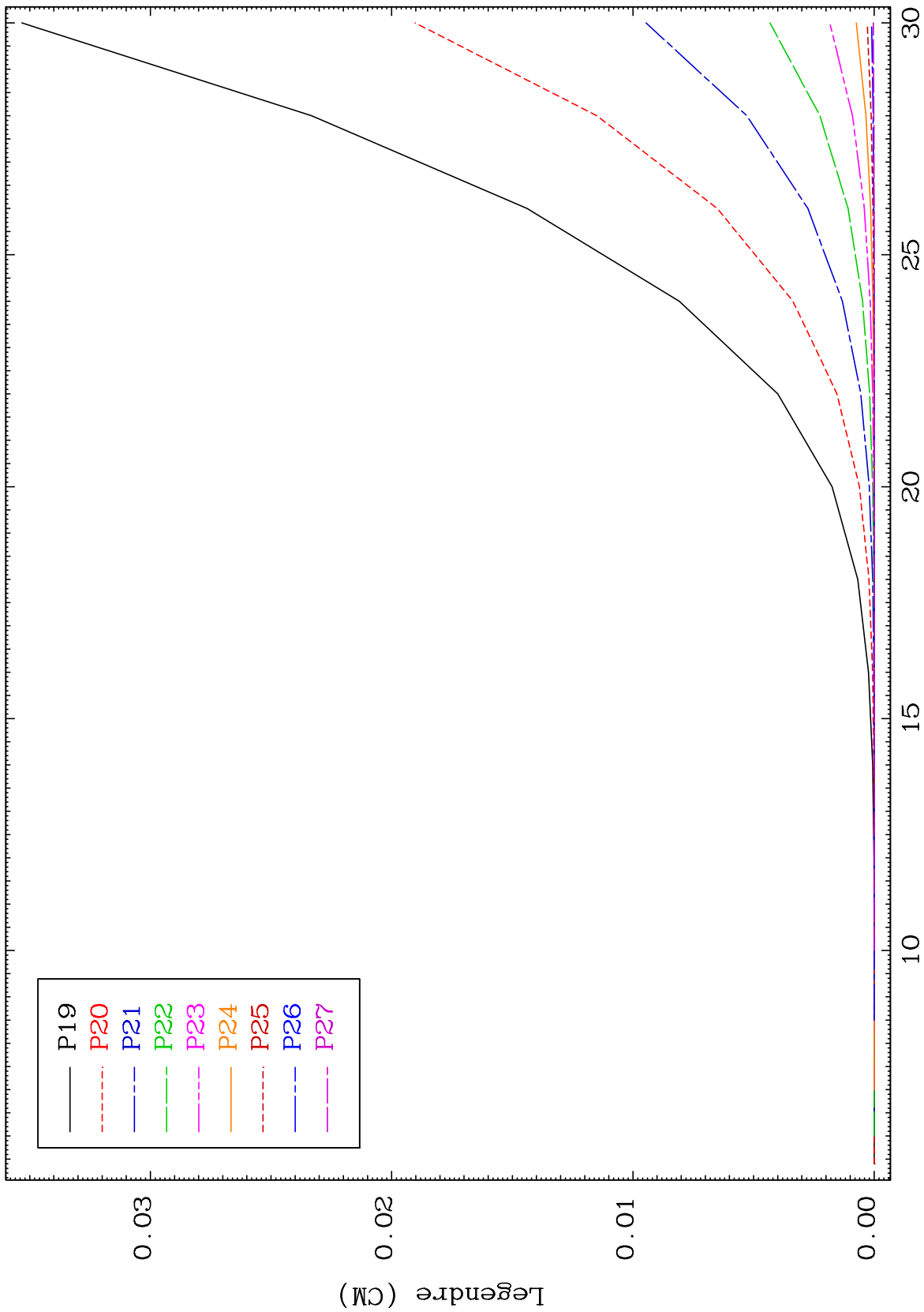
72-Hf-182



MAT 7249

Elastic
Legendre Coefficients

72-Hf-182



18

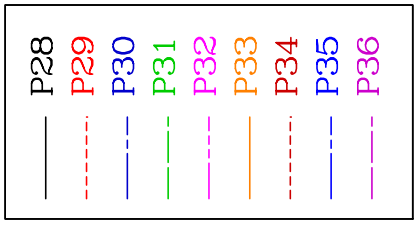
Incident Energy (MeV)

72-Hf-182

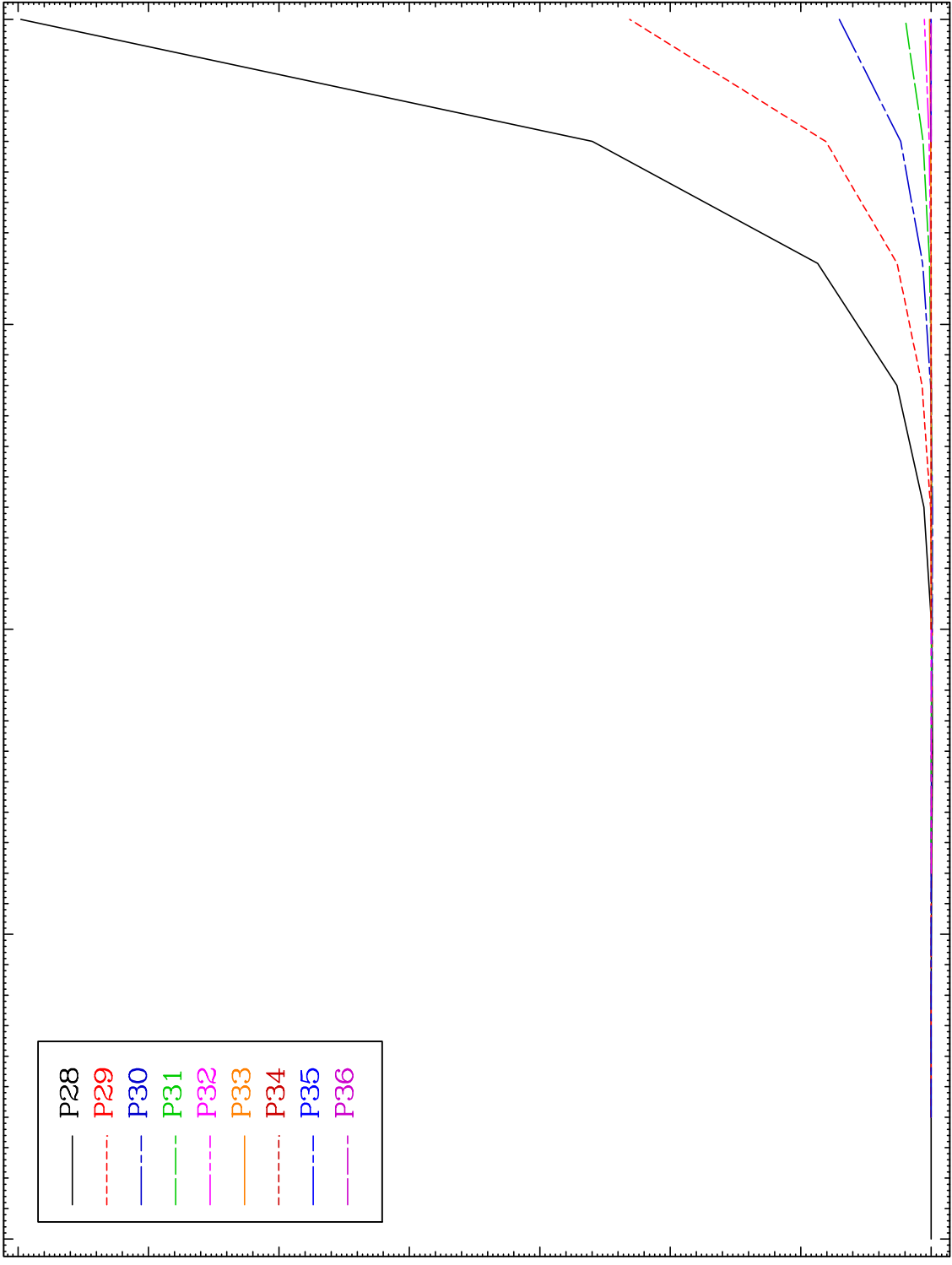
MAT 7249

Elastic Legendre Coefficients

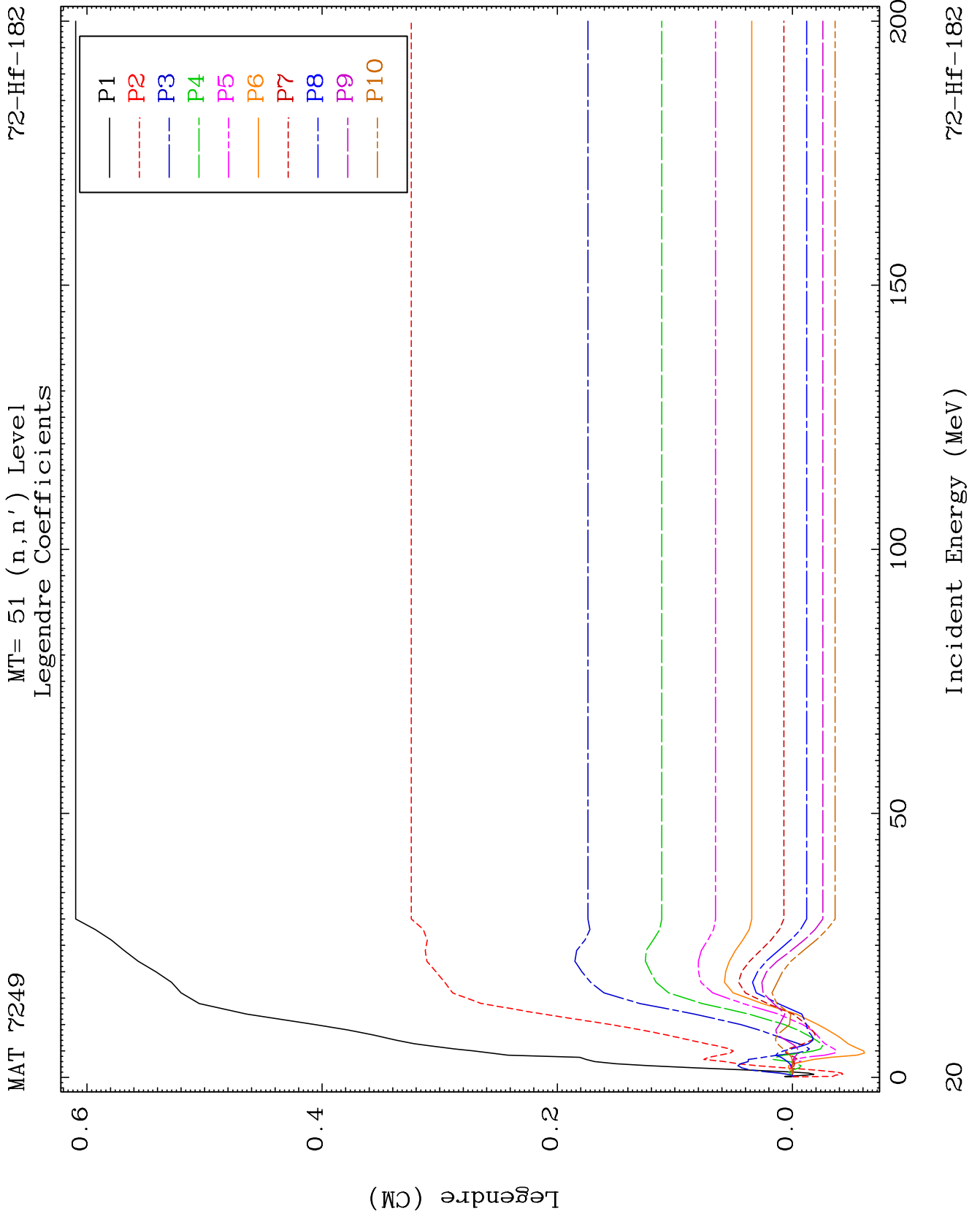
72-Hf-182



$\times 10^{-5}$
Legendre (CM)
0.8
0.4
0.0



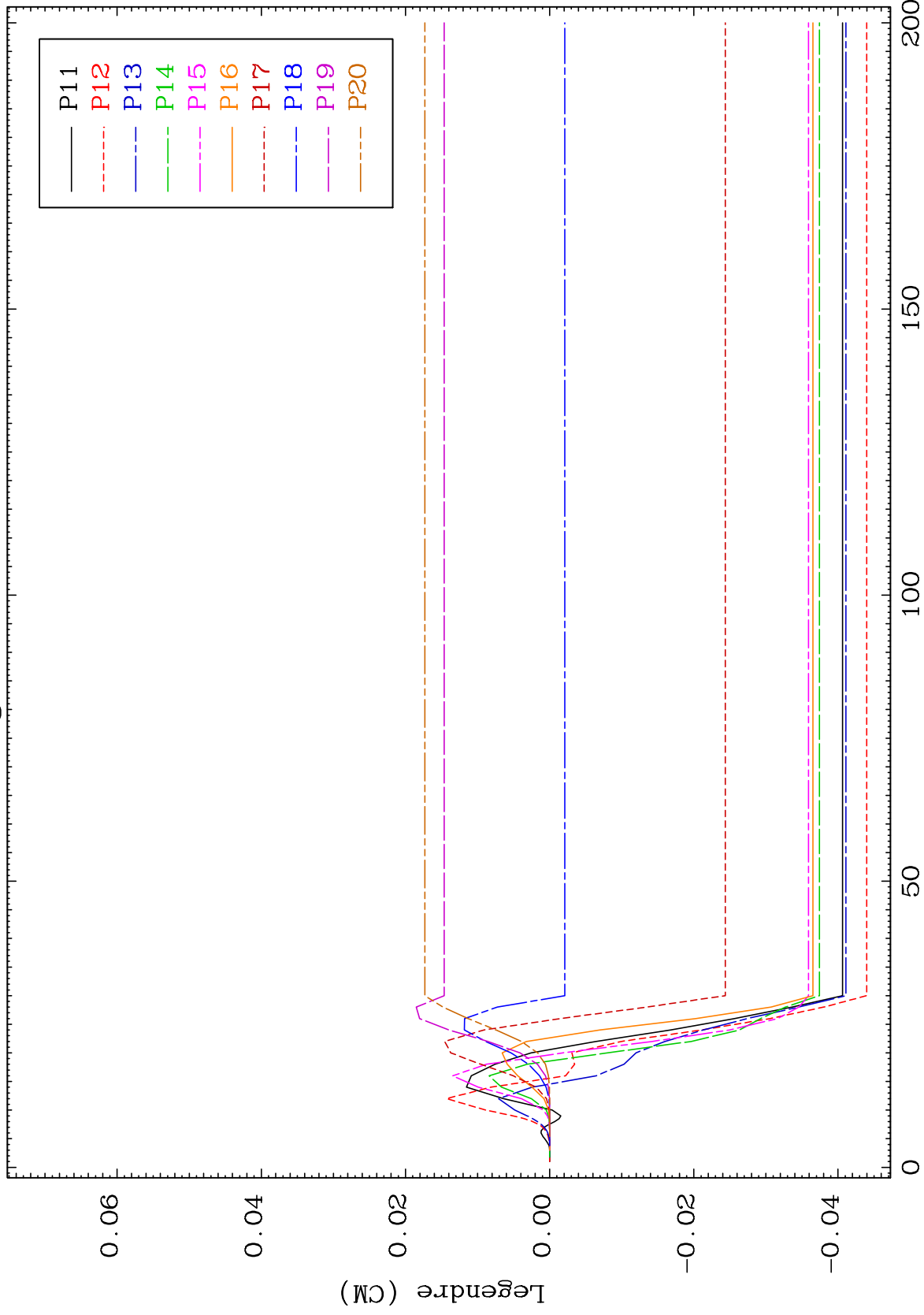
10 15 20 25 30
Incident Energy (MeV)
72-Hf-182



MAT 7249

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

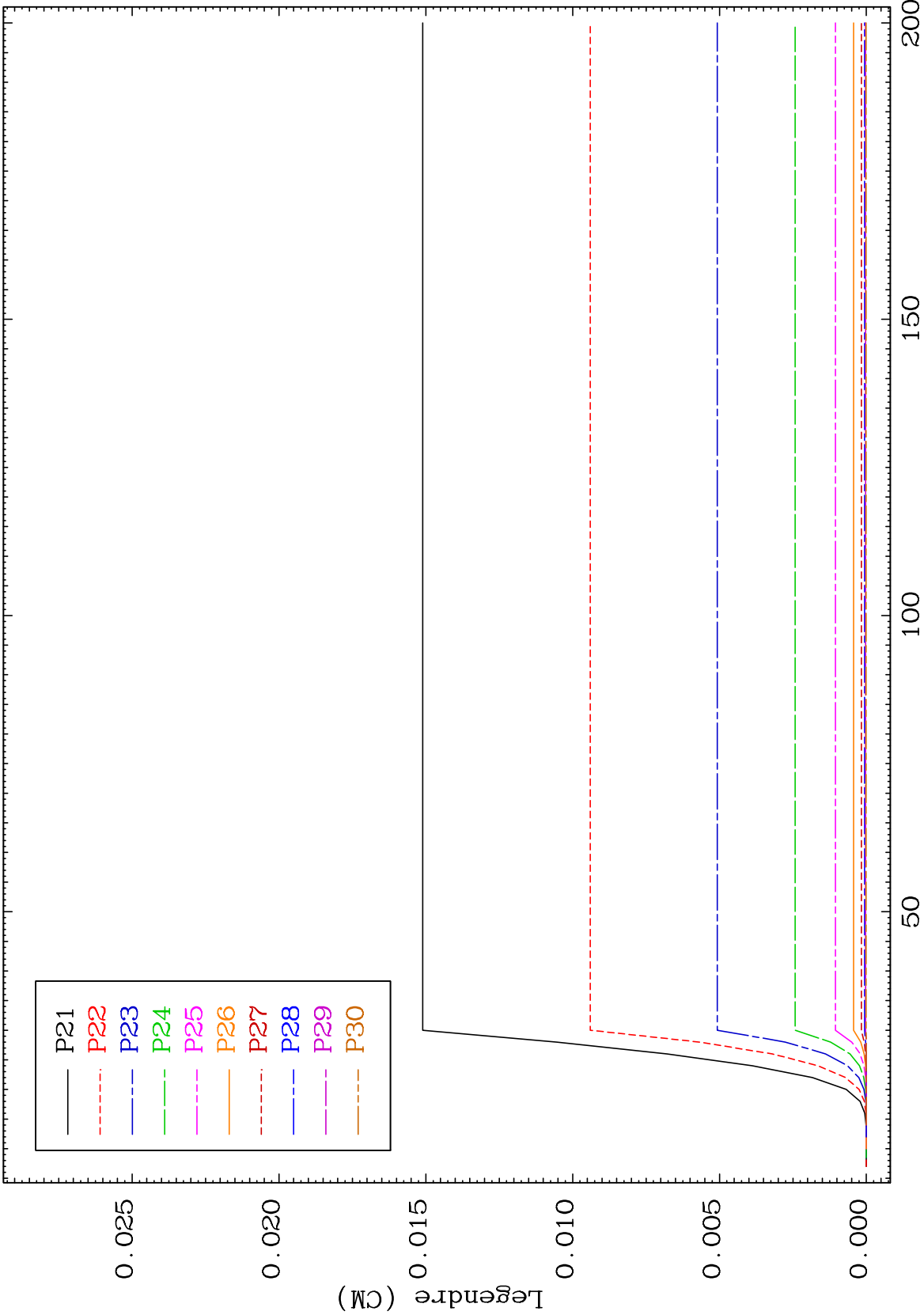
72-Hf-182



MAT 7249

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

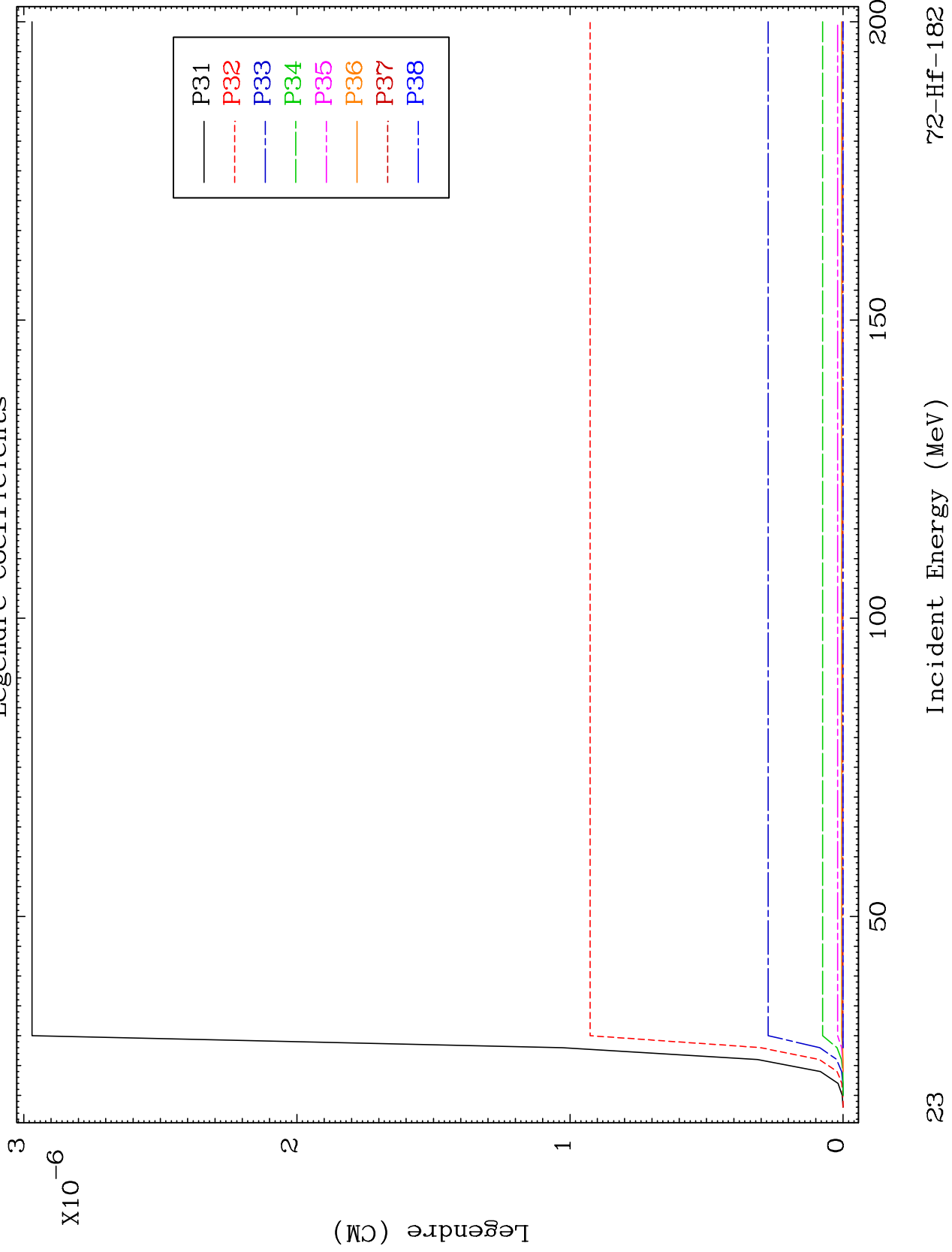
72-Hf-182



MAT 7249

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

72-Hf-182



23

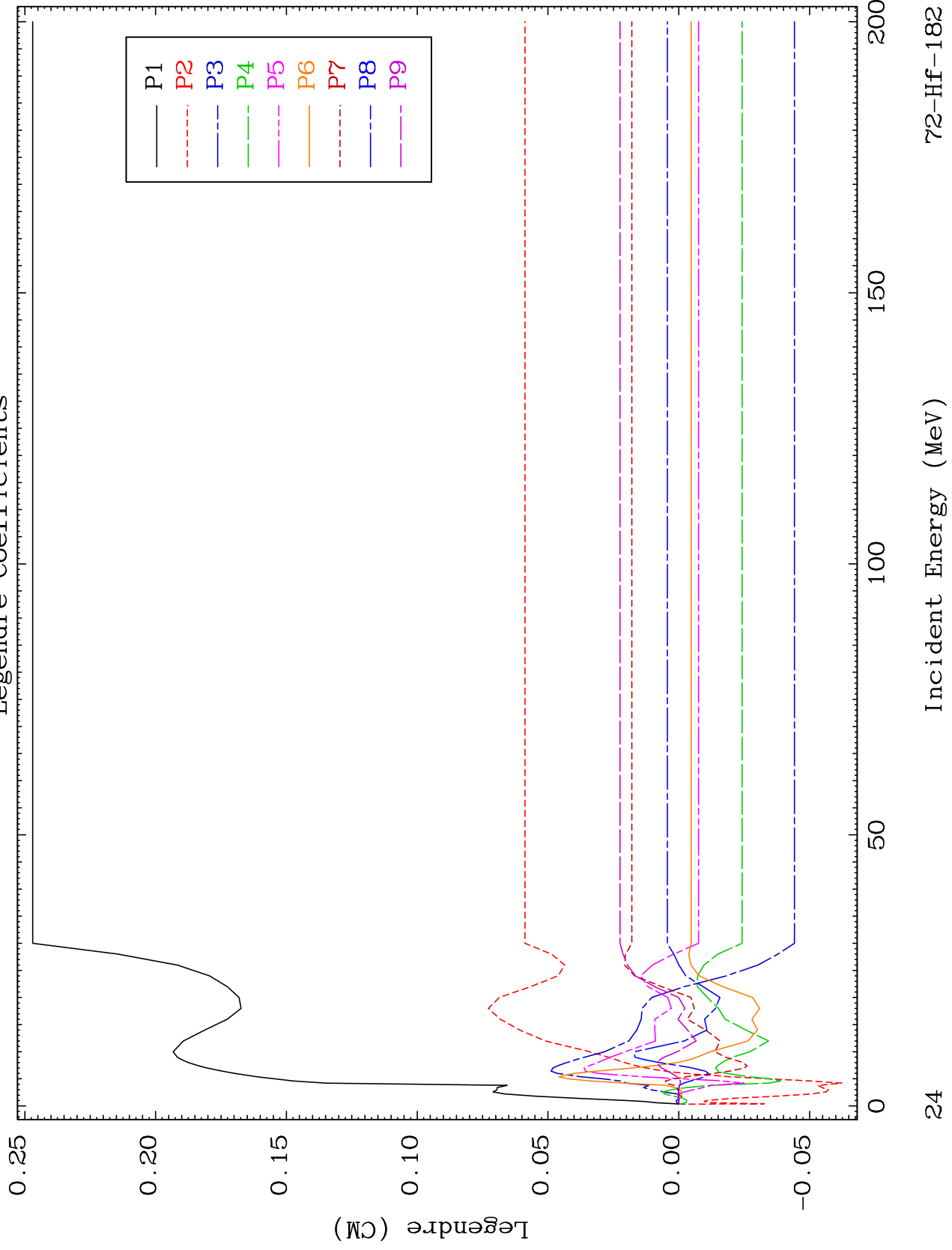
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

72-Hf-182



72-Hf-182

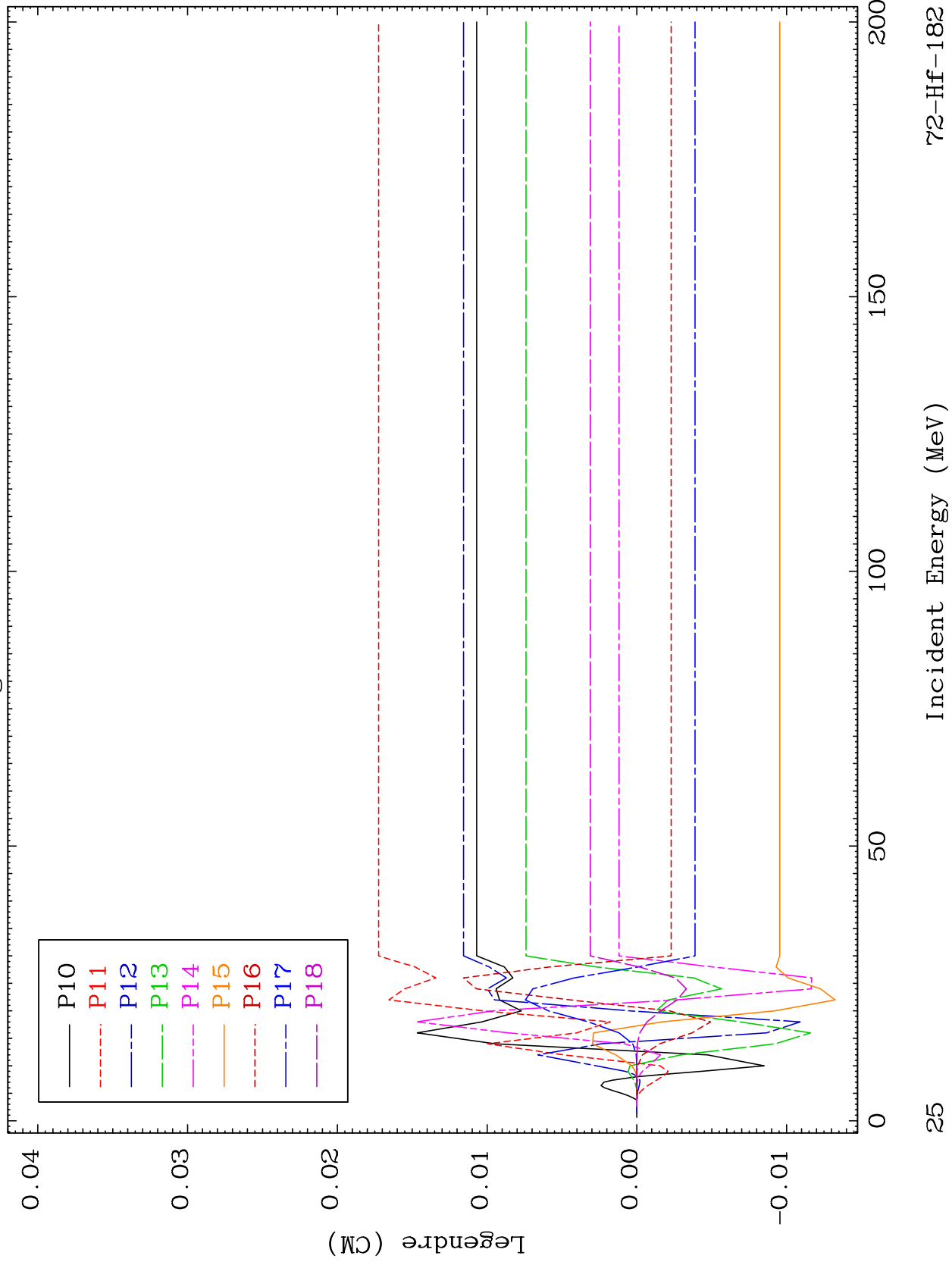
Incident Energy (MeV)

24

MAT 7249

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

72-Hf-182



72-Hf-182

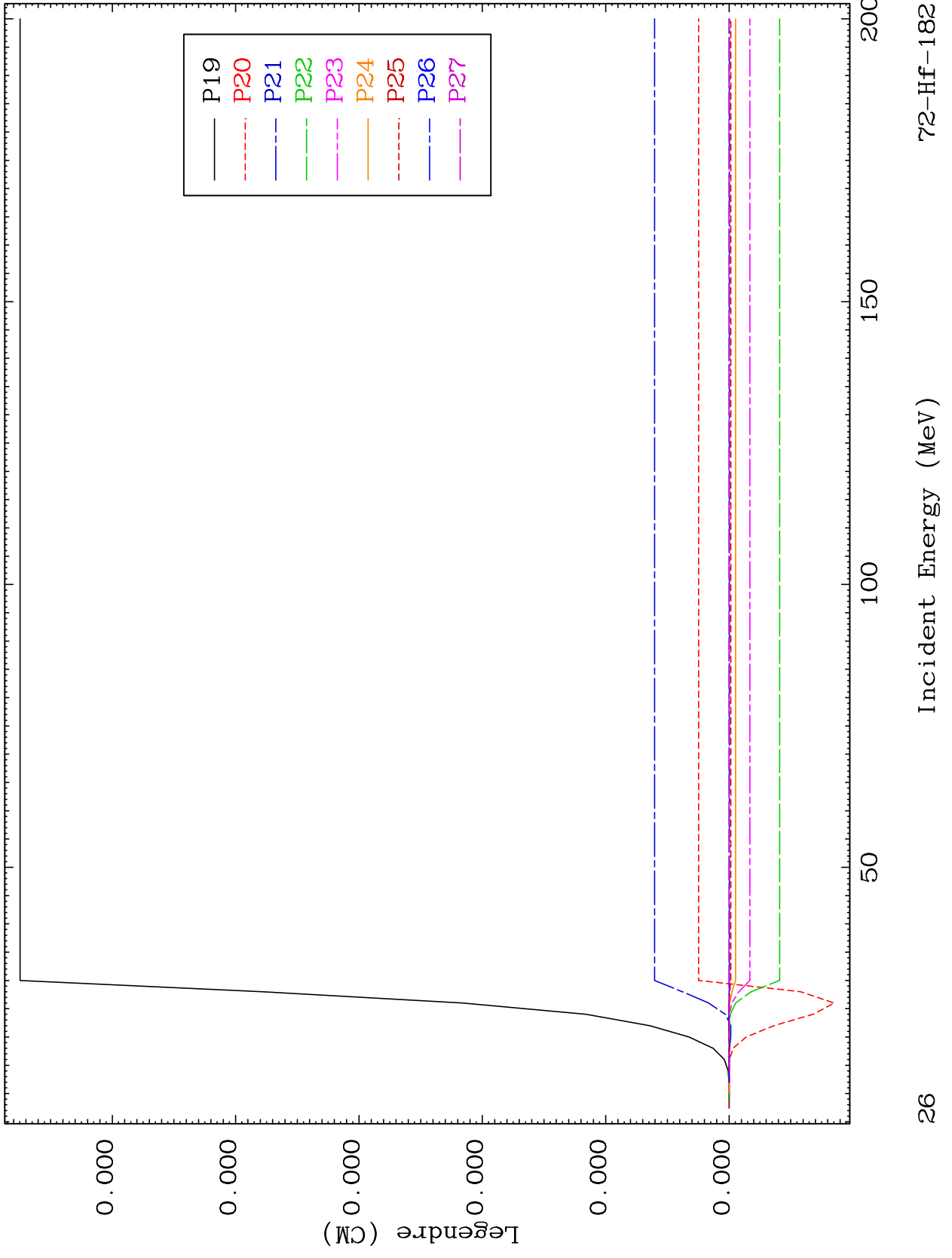
Incident Energy (MeV)

25

MAT 7249

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

72-Hf-182



26

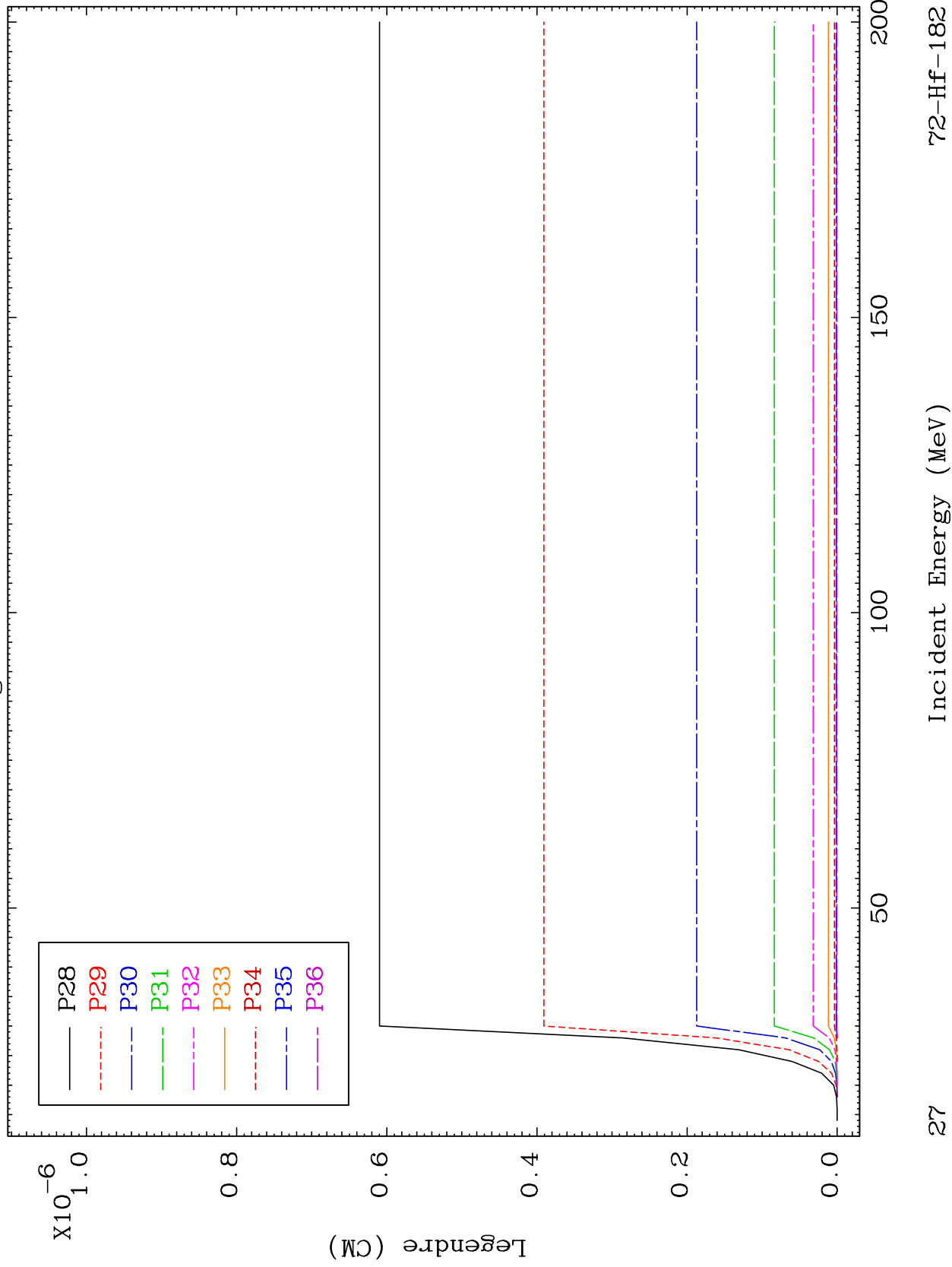
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

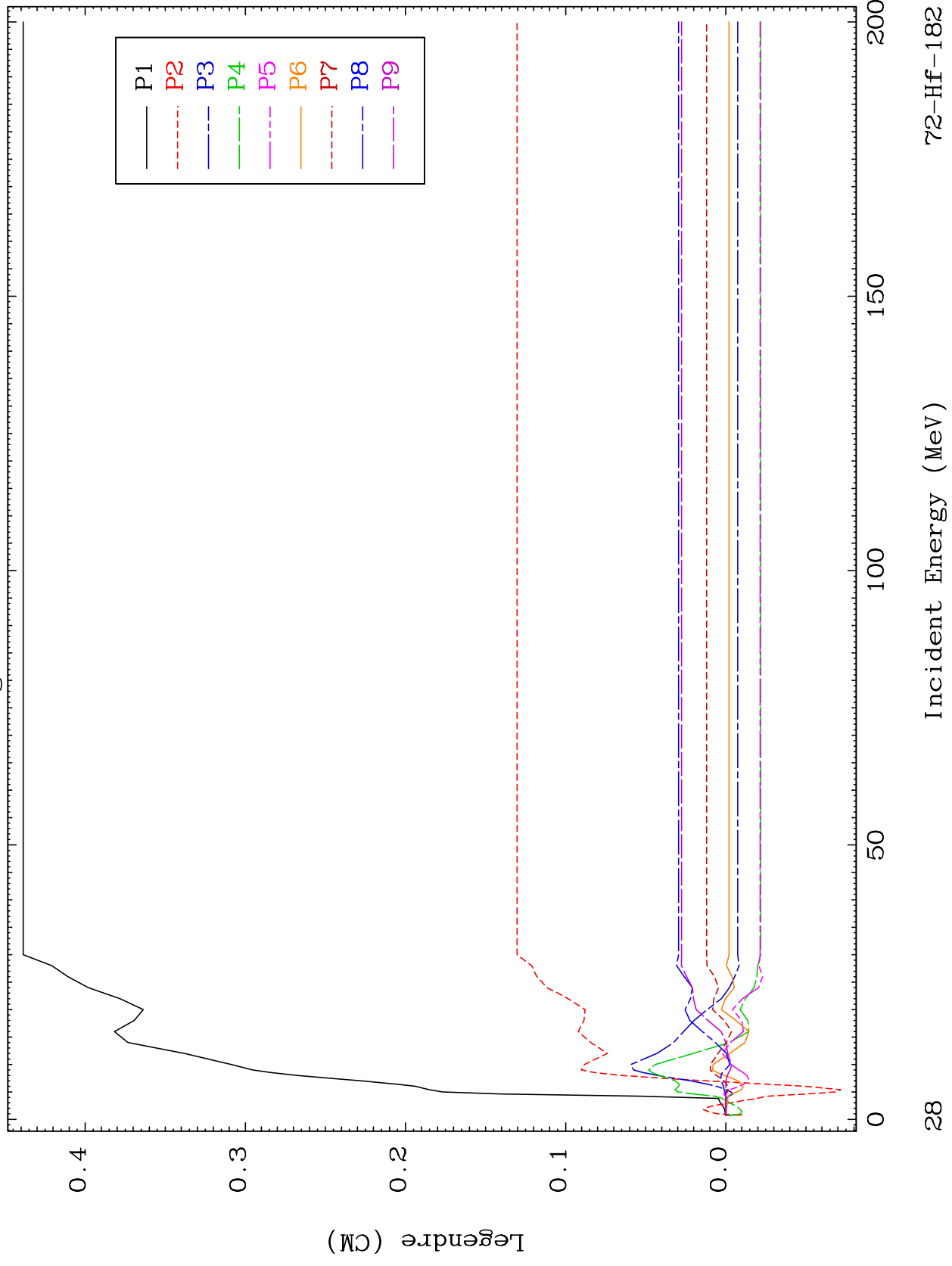
72-Hf-182



MAT 7249

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

72-Hf-182



72-Hf-182

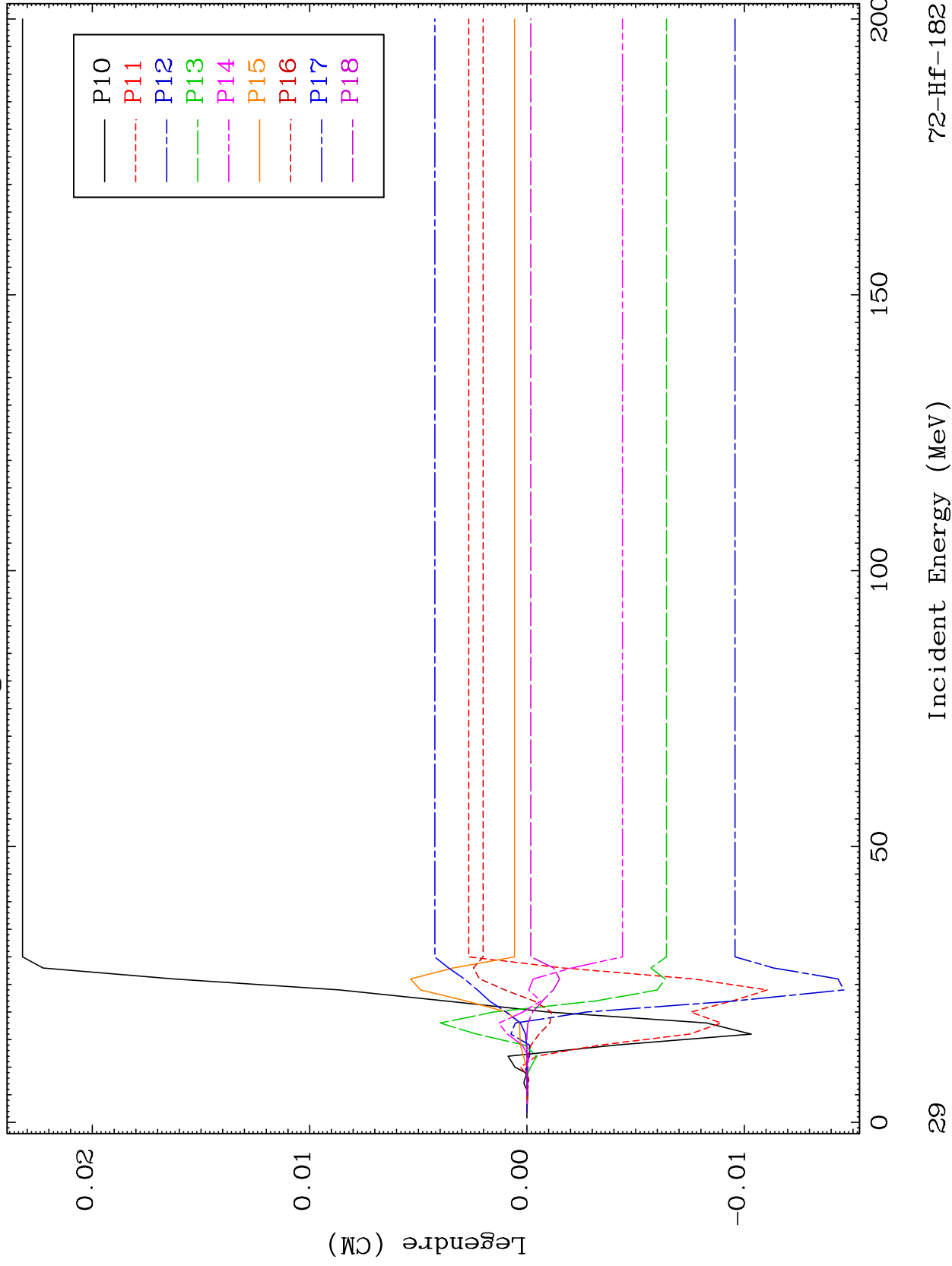
Incident Energy (MeV)

28

MAT 7249

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

72-Hf-182



29

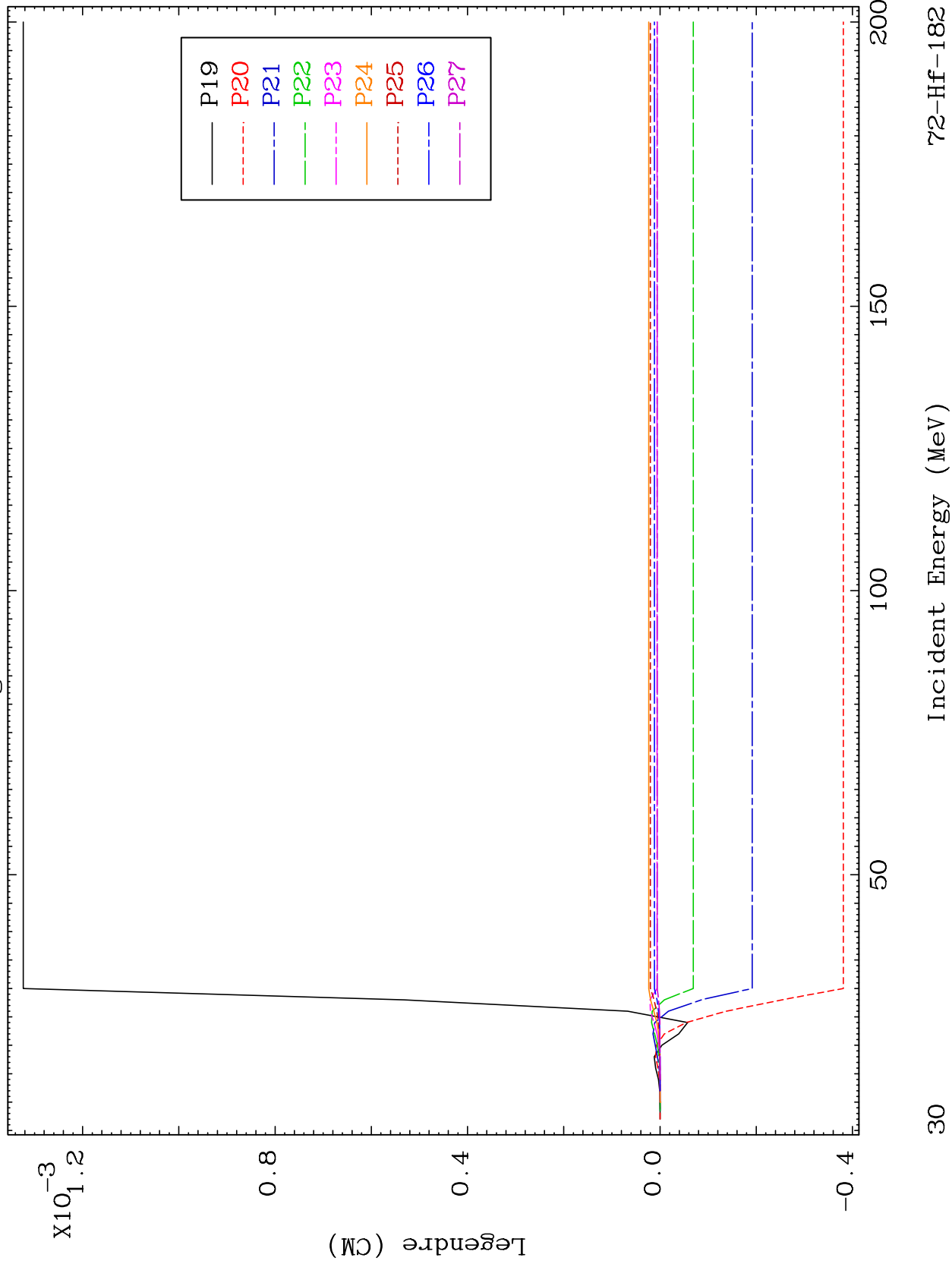
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

72-Hf-182



72-Hf-182

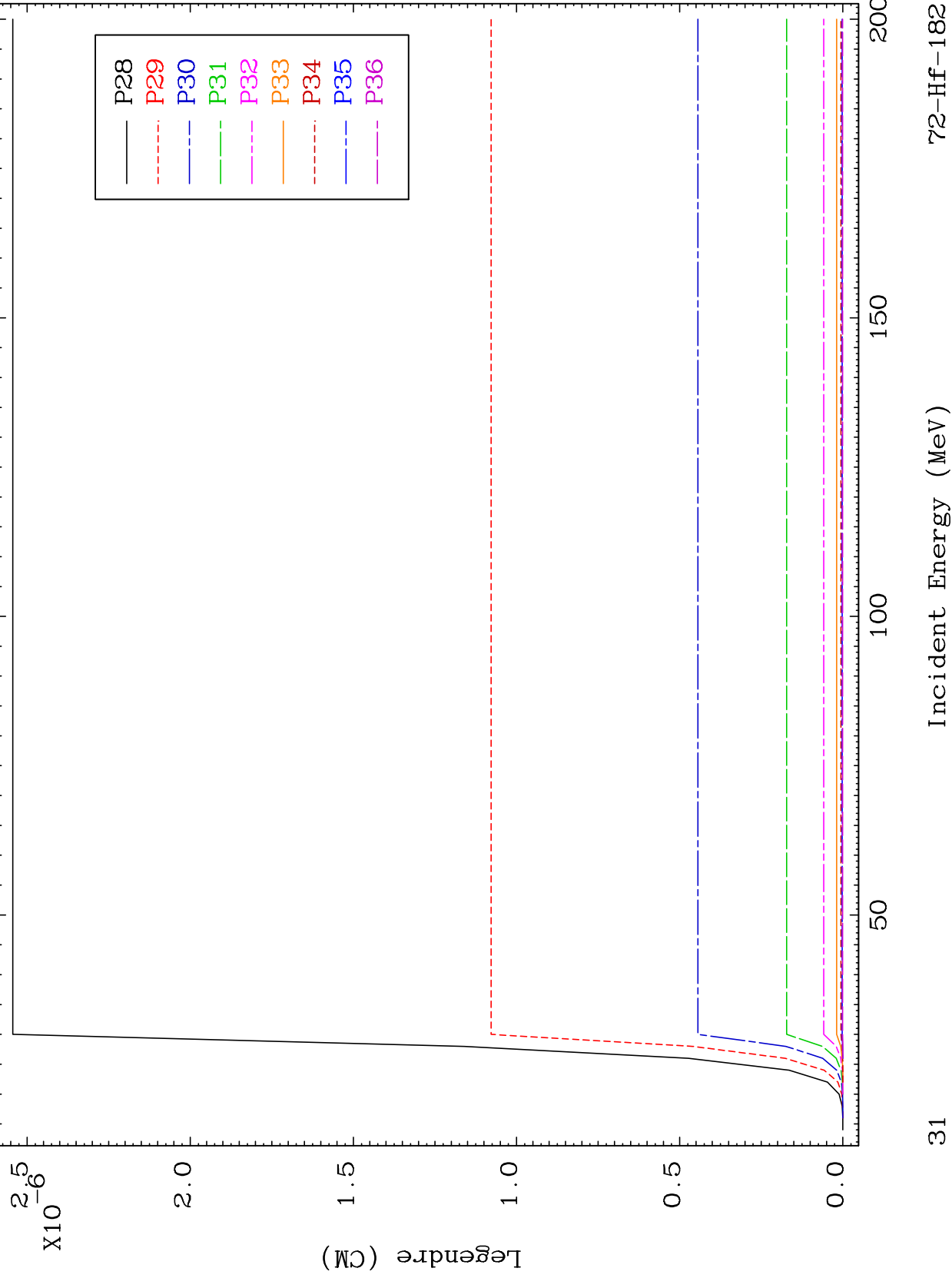
Incident Energy (MeV)

30

MAT 7249

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

72-Hf-182



31

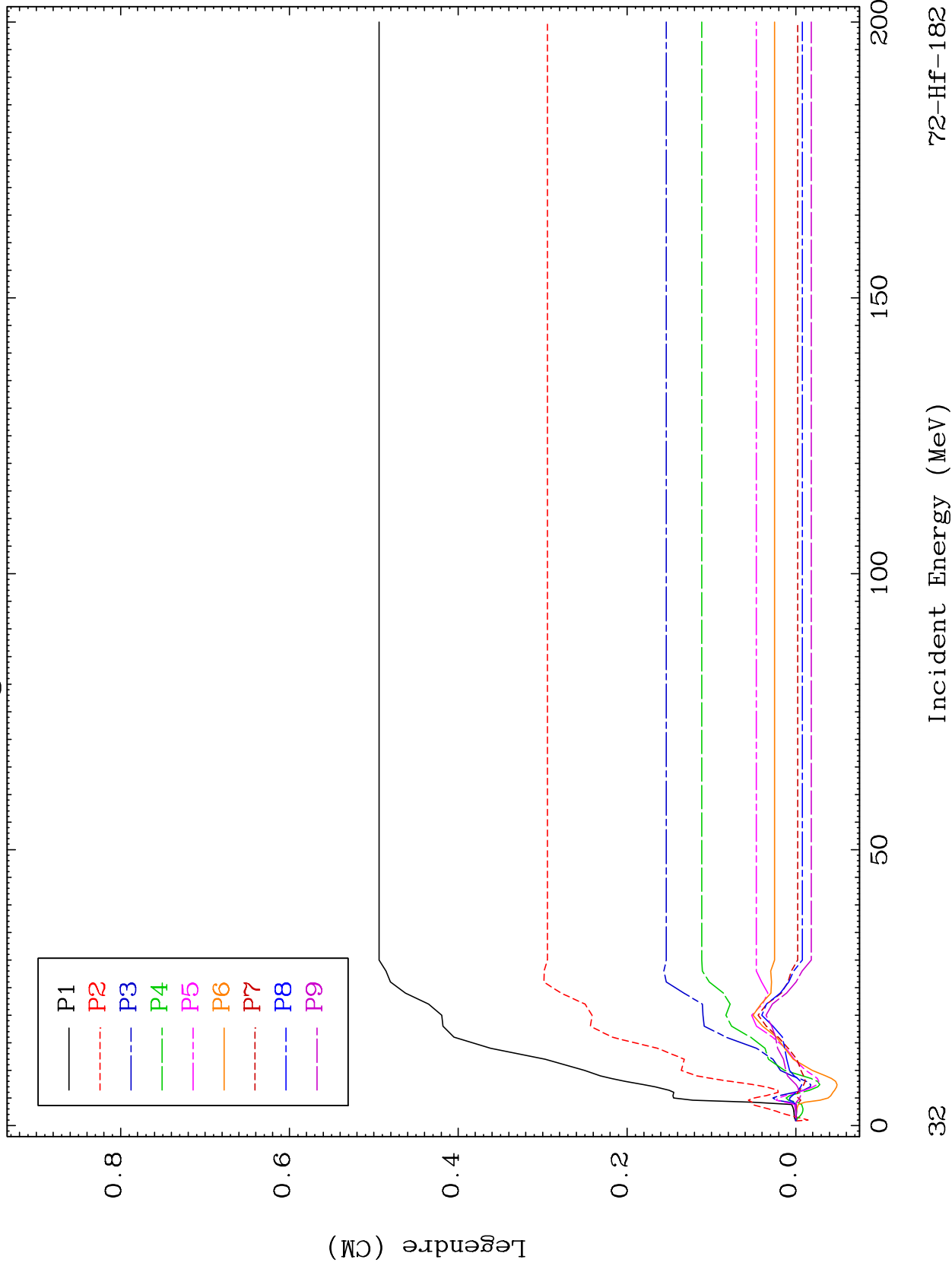
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

72-Hf-182



32

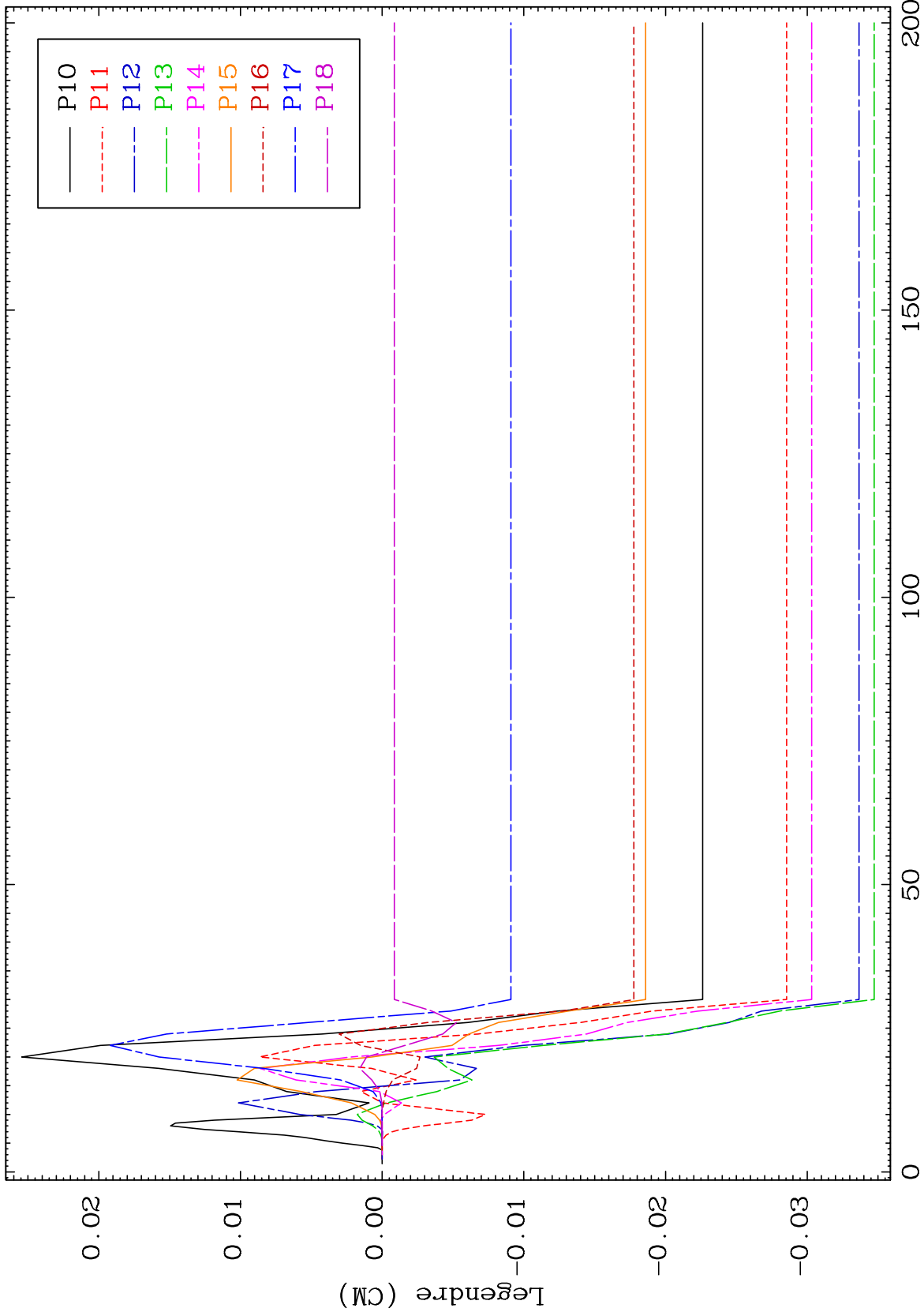
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

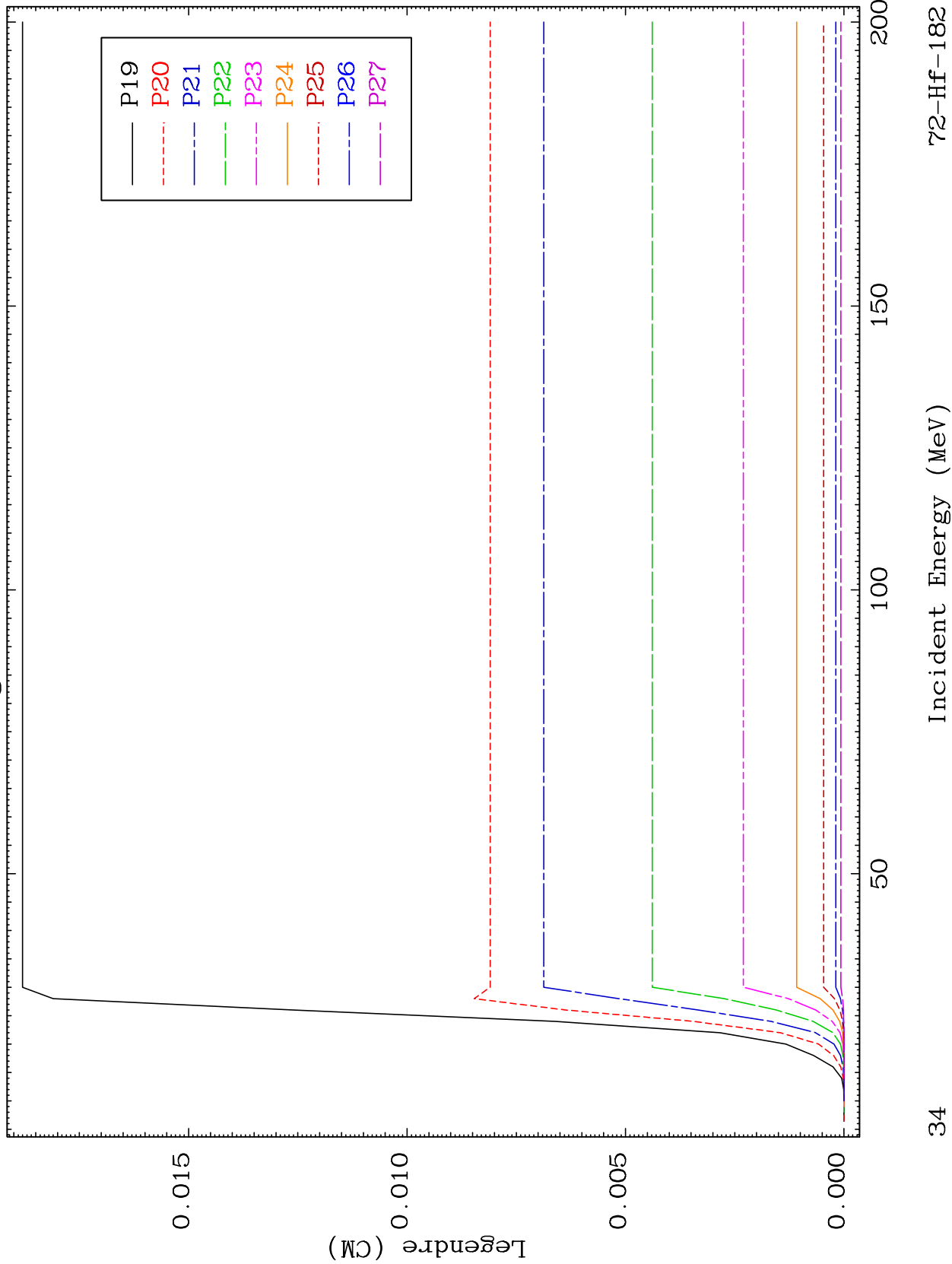
72-Hf-182



MAT 7249

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

72-Hf-182



34

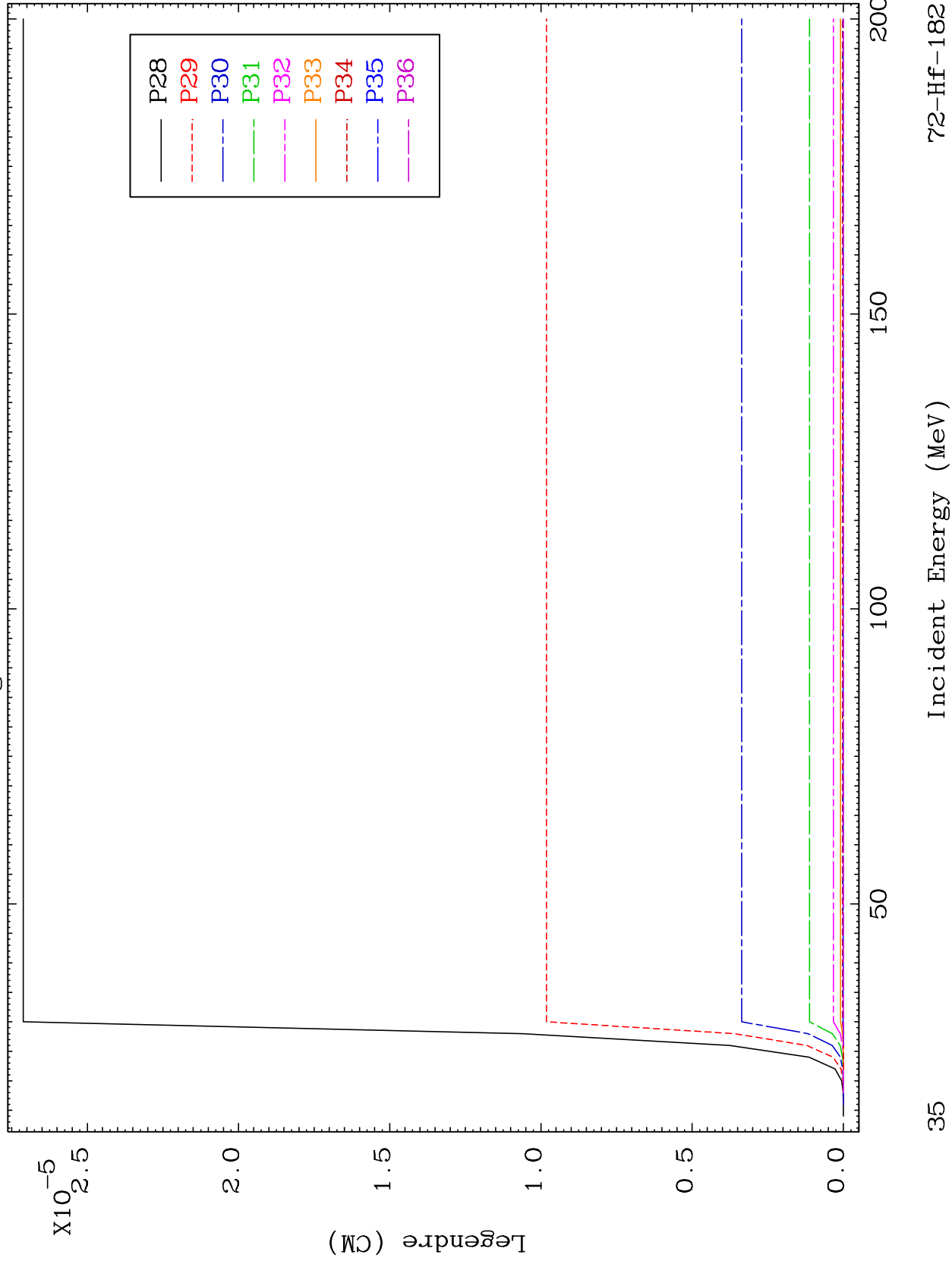
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

72-Hf-182



35

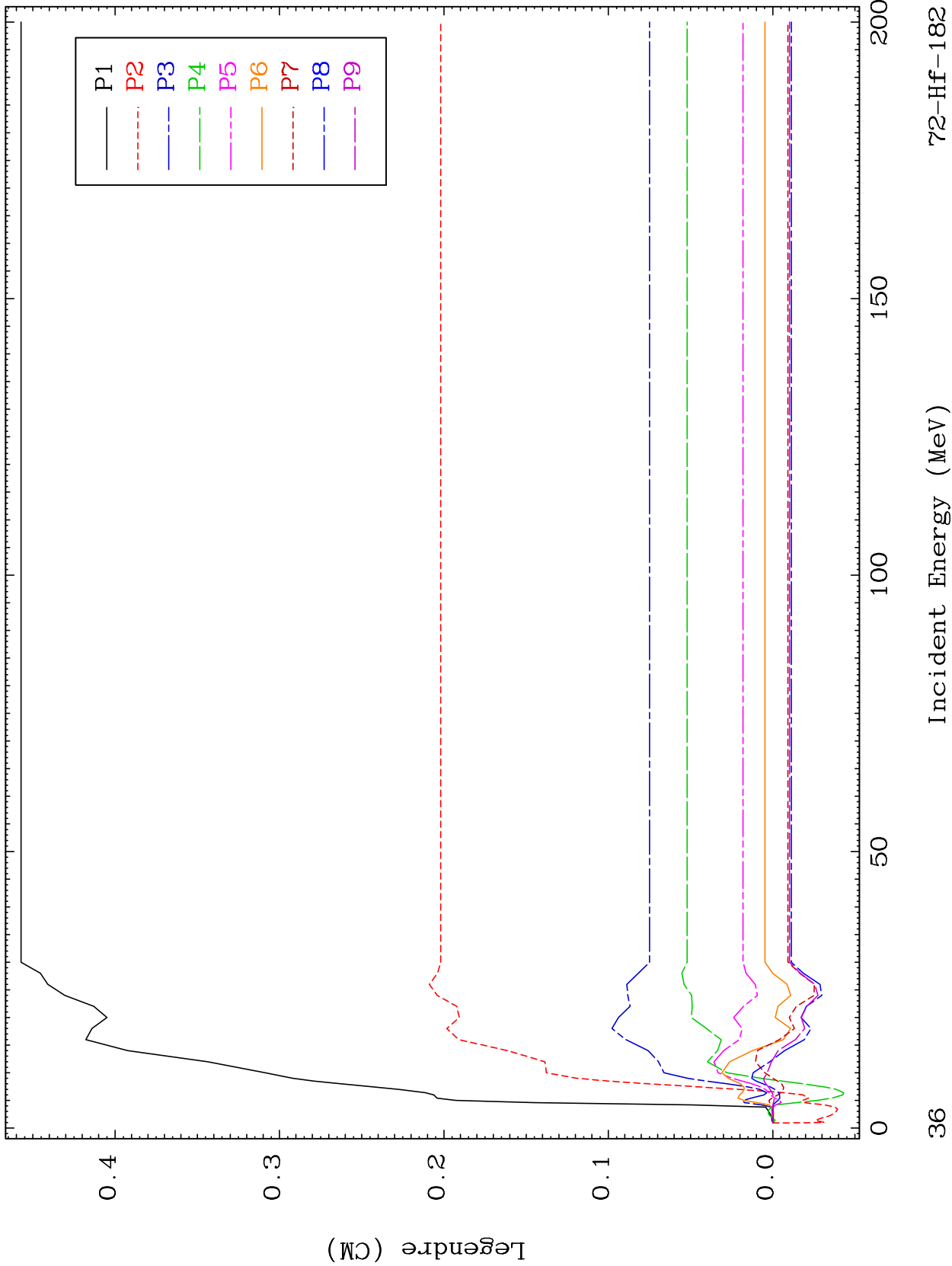
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

72-Hf-182



36

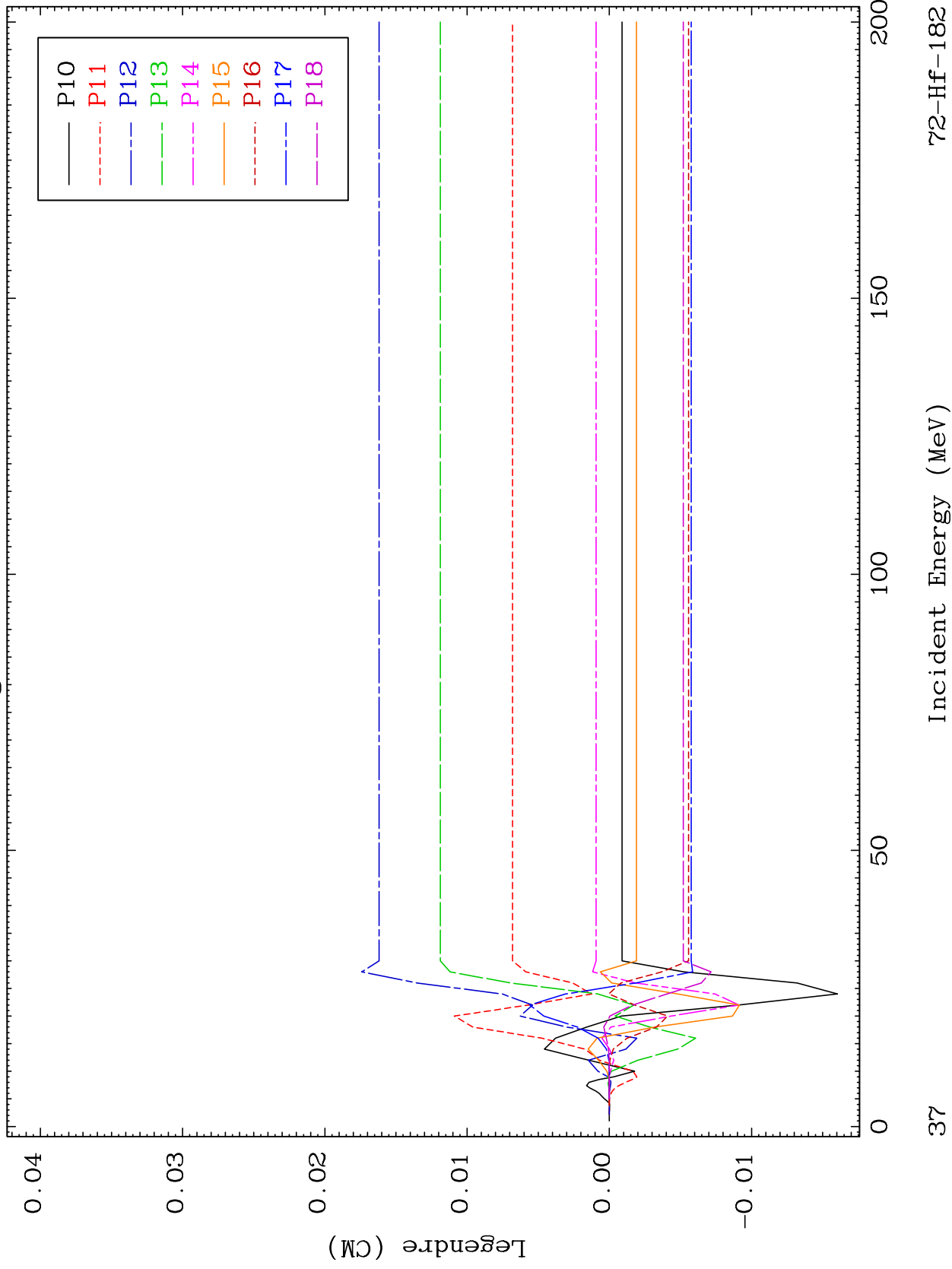
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

72-Hf-182



37

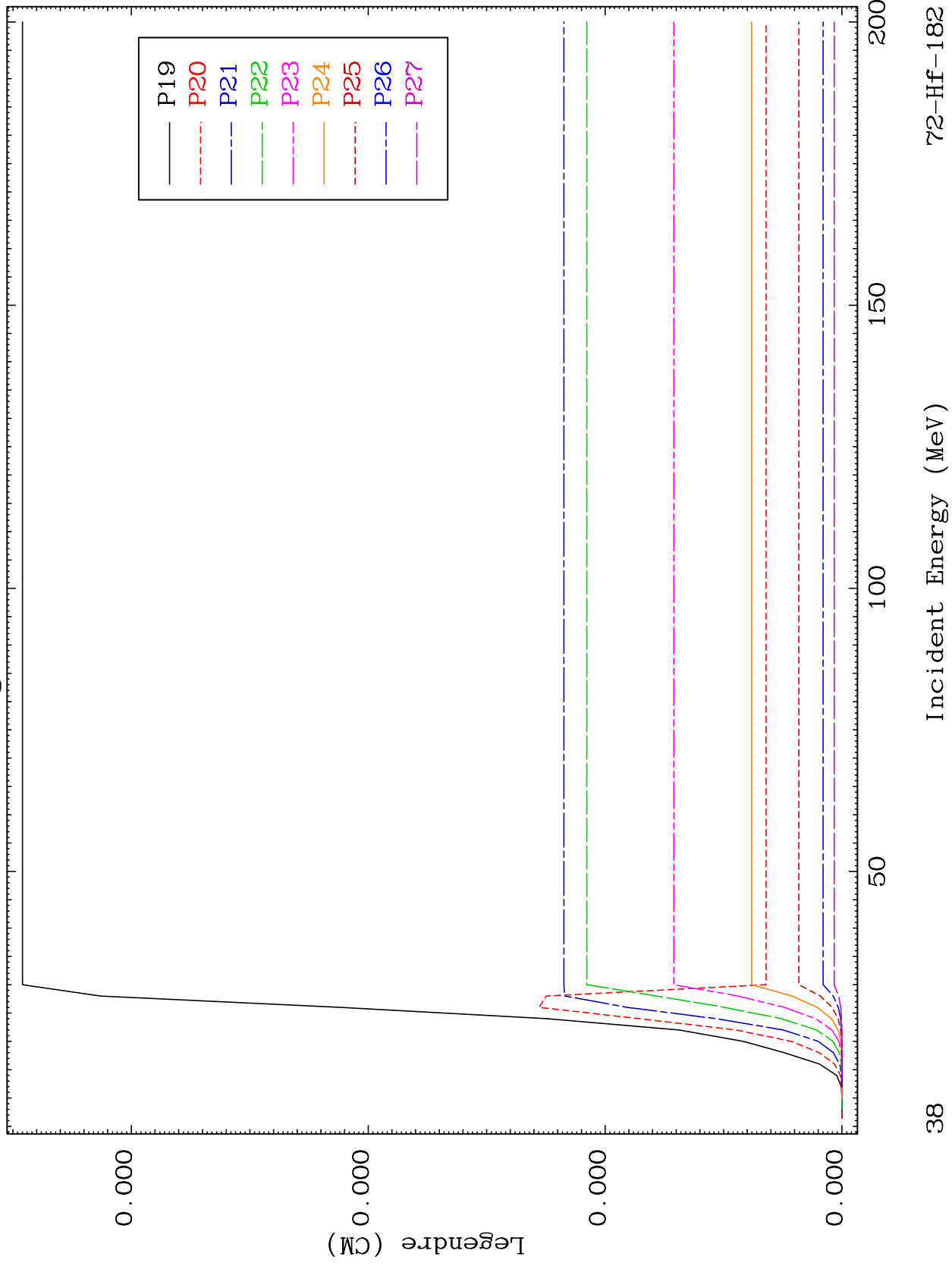
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

72-Hf-182



38

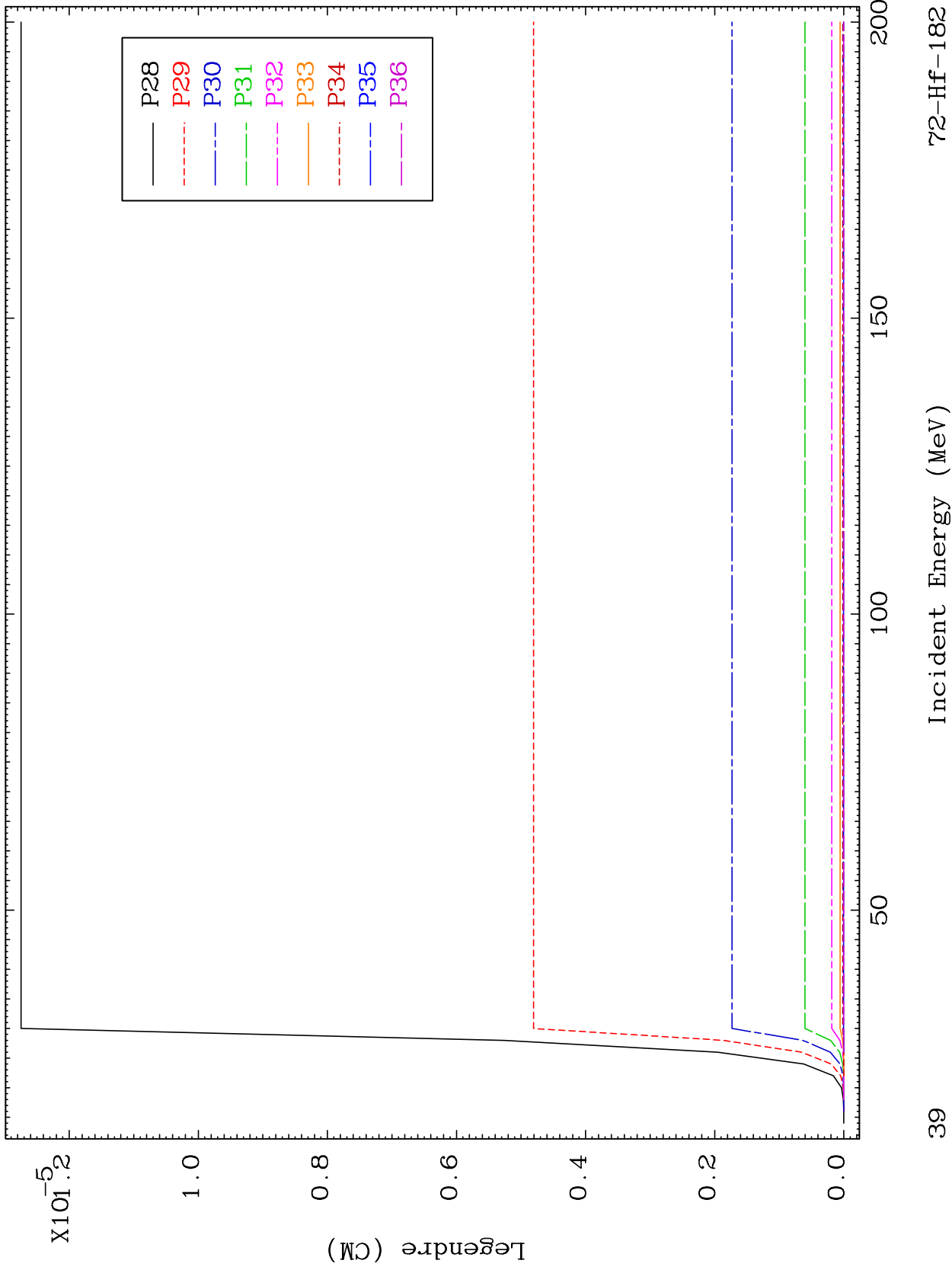
Incident Energy (MeV)

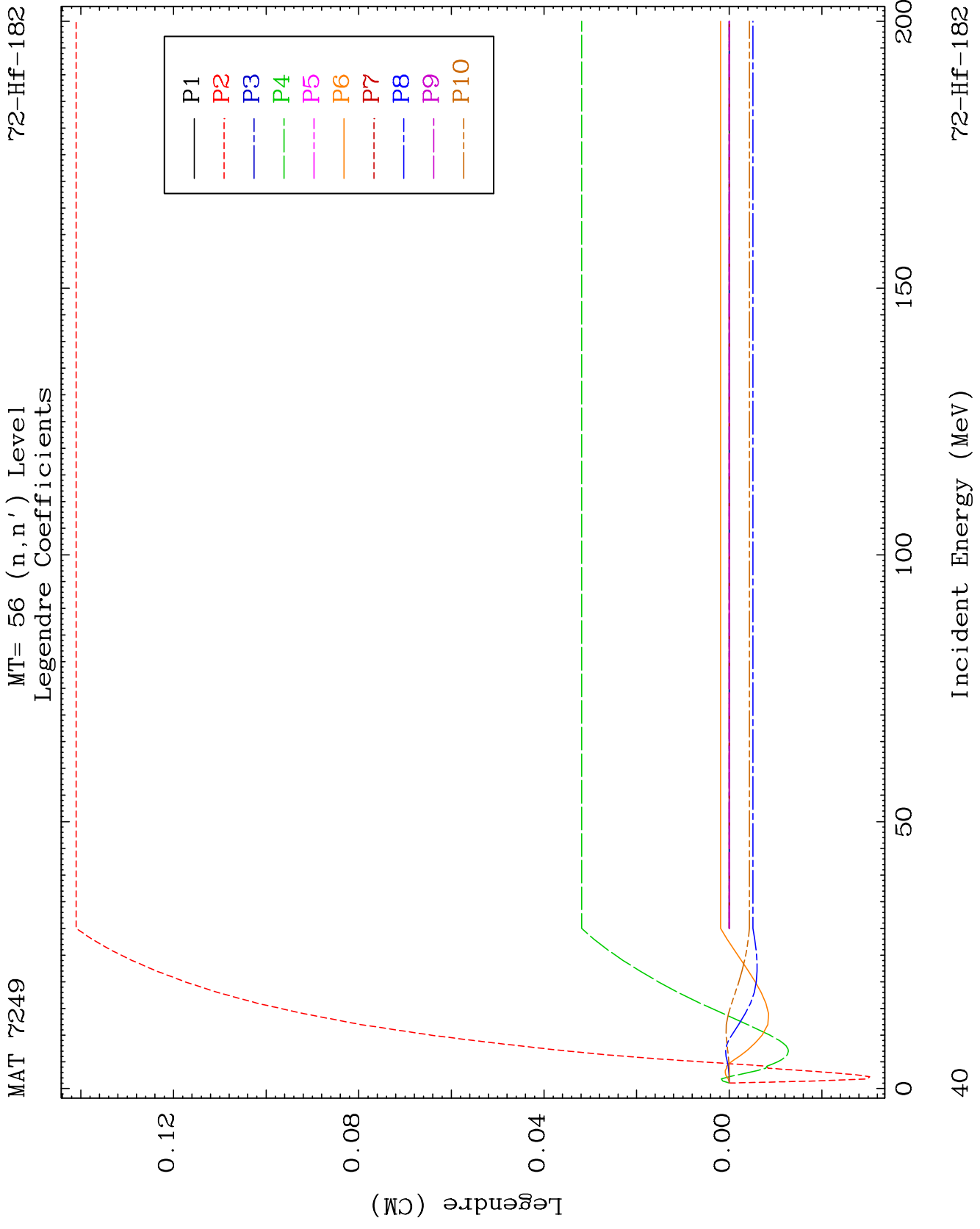
72-Hf-182

MAT 7249

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

72-Hf-182

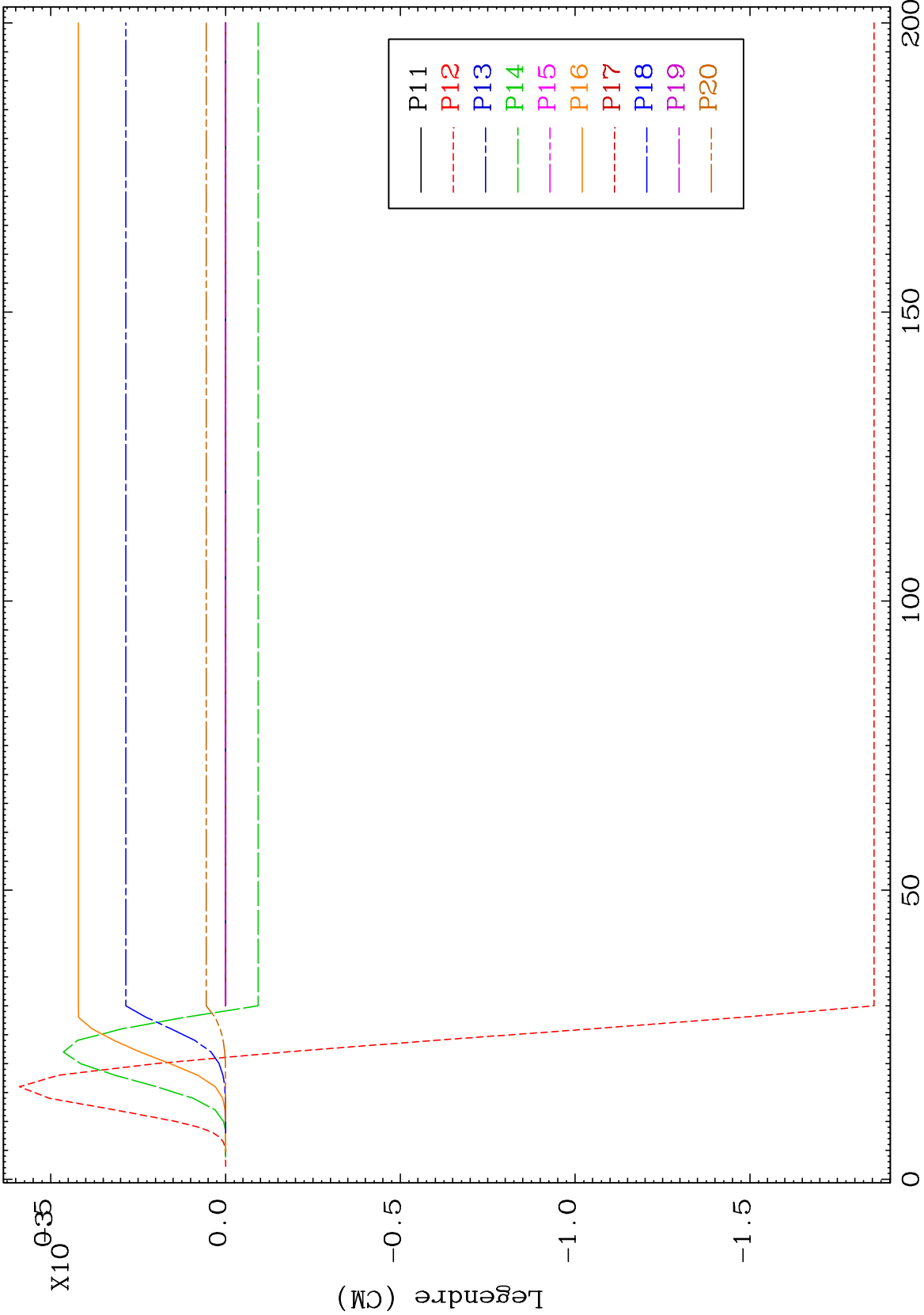




MAT 7249

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

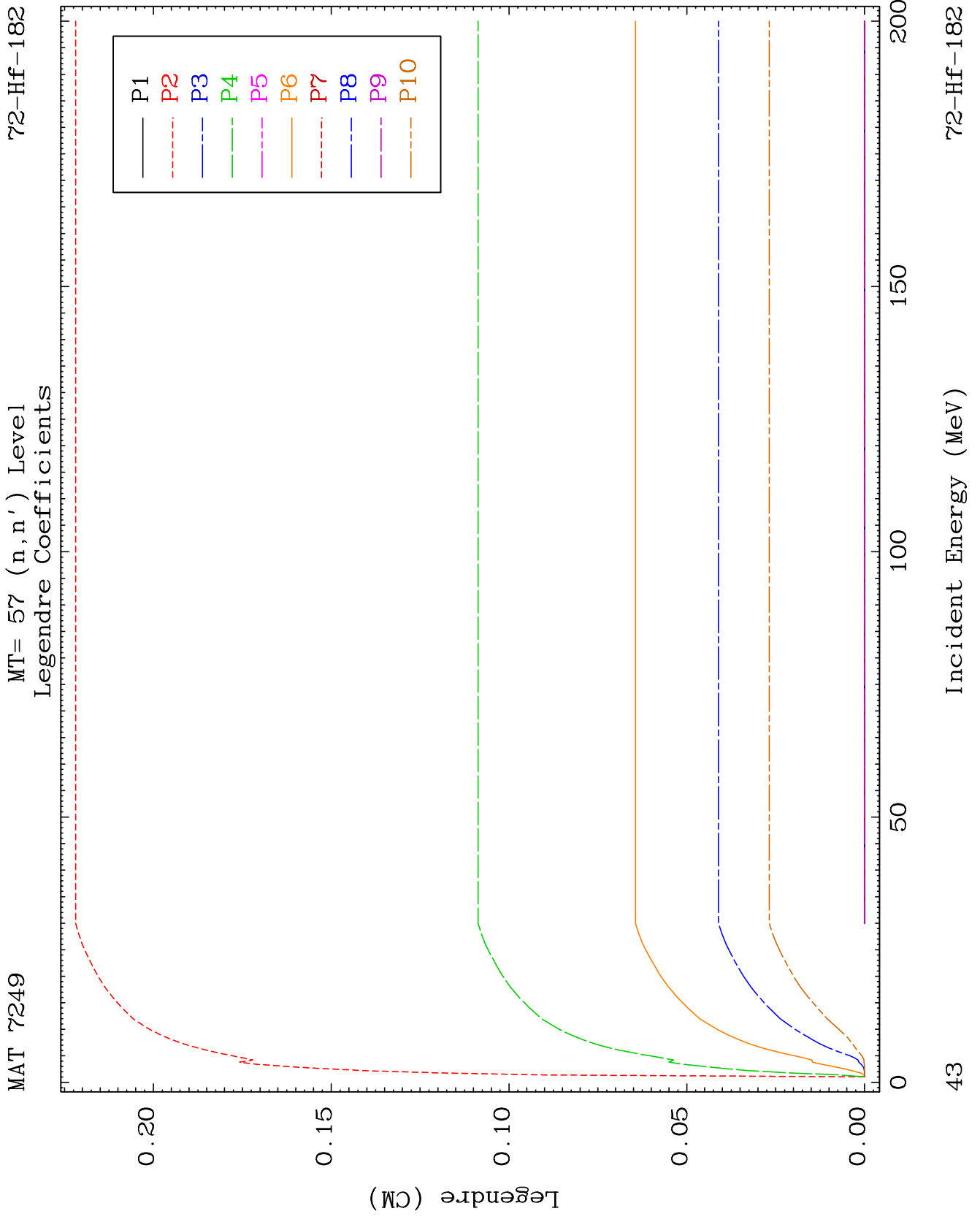
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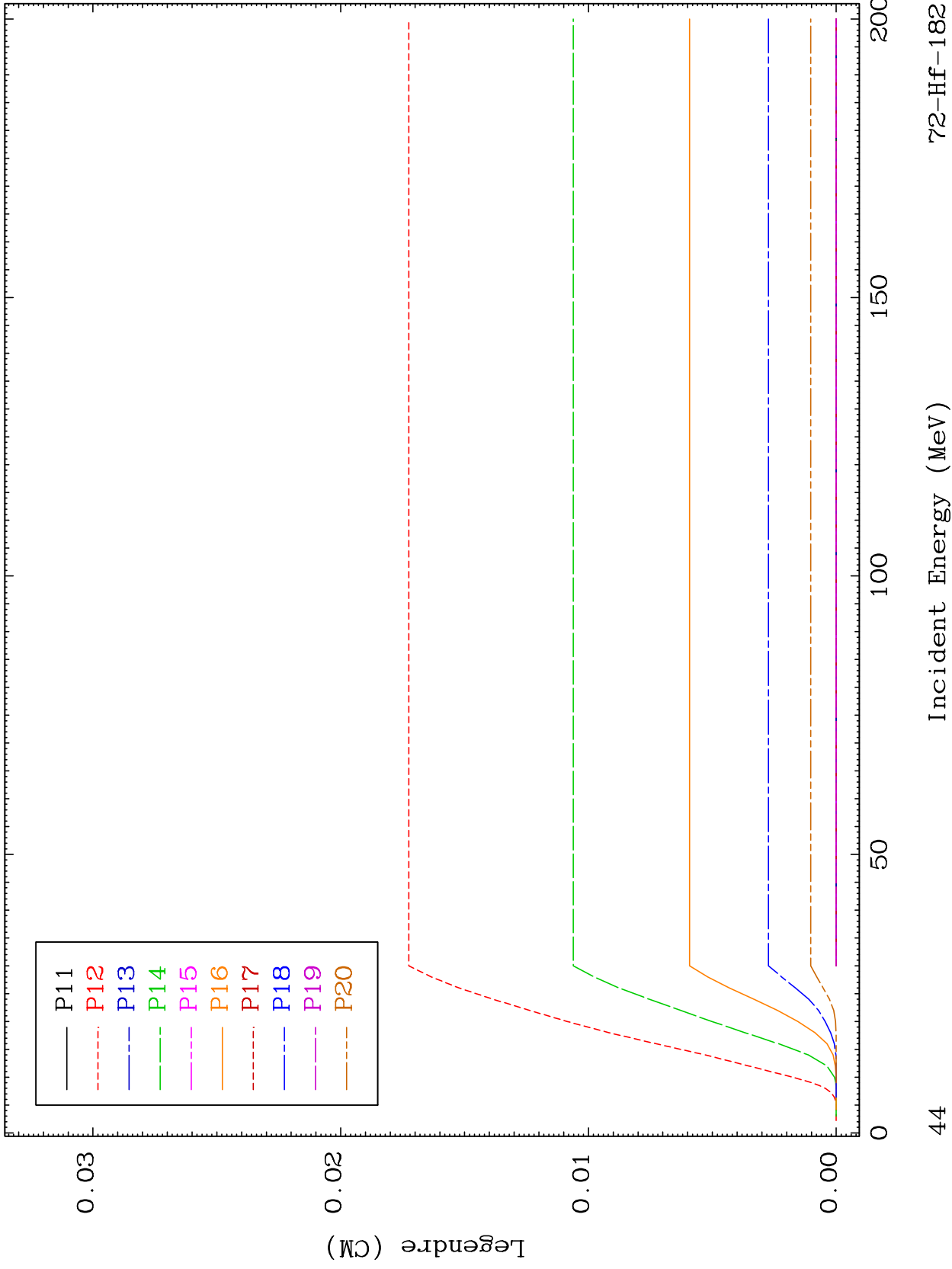


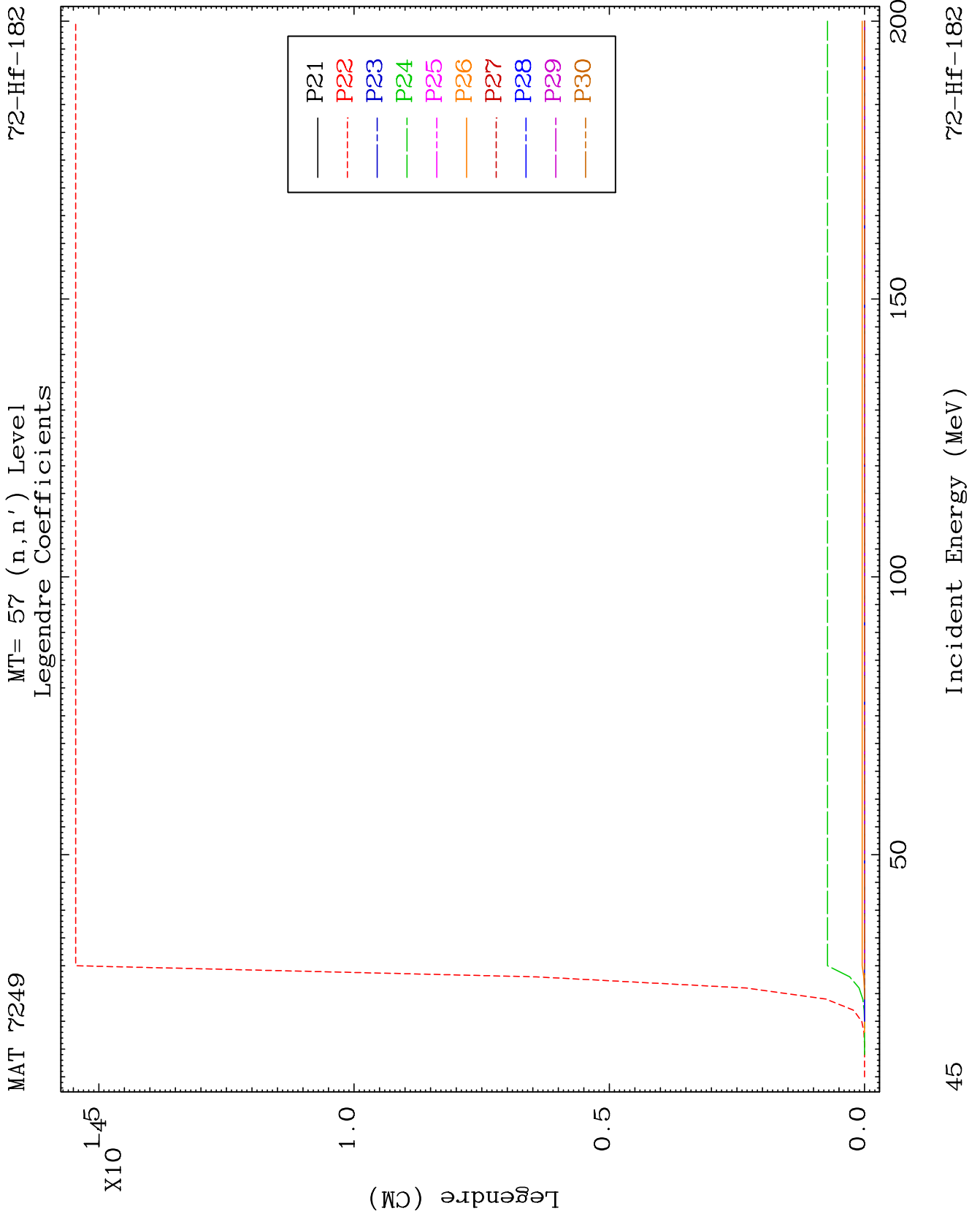
41

Incident Energy (MeV)

72-Hf-182



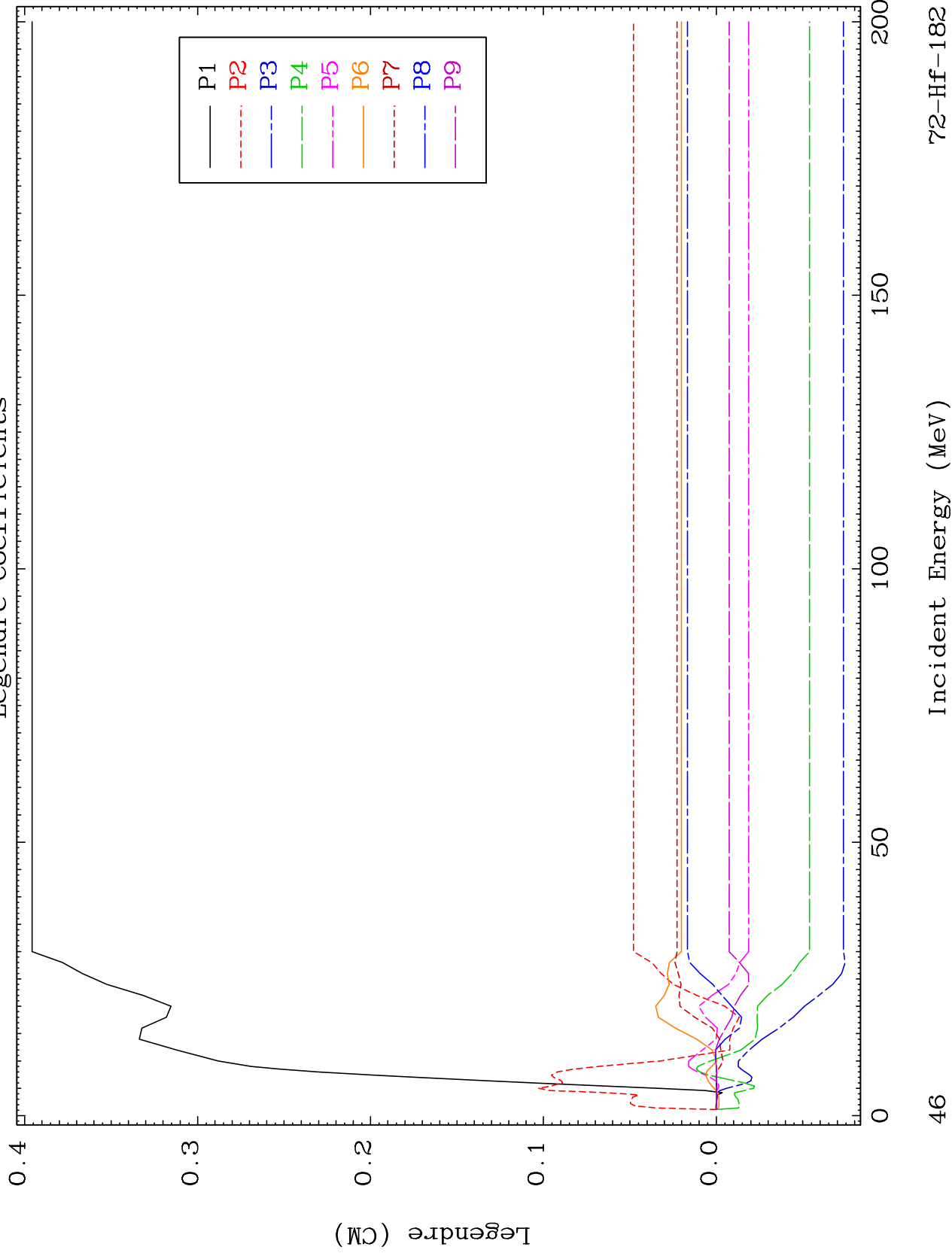




MAT 7249

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

72-Hf-182



72-Hf-182

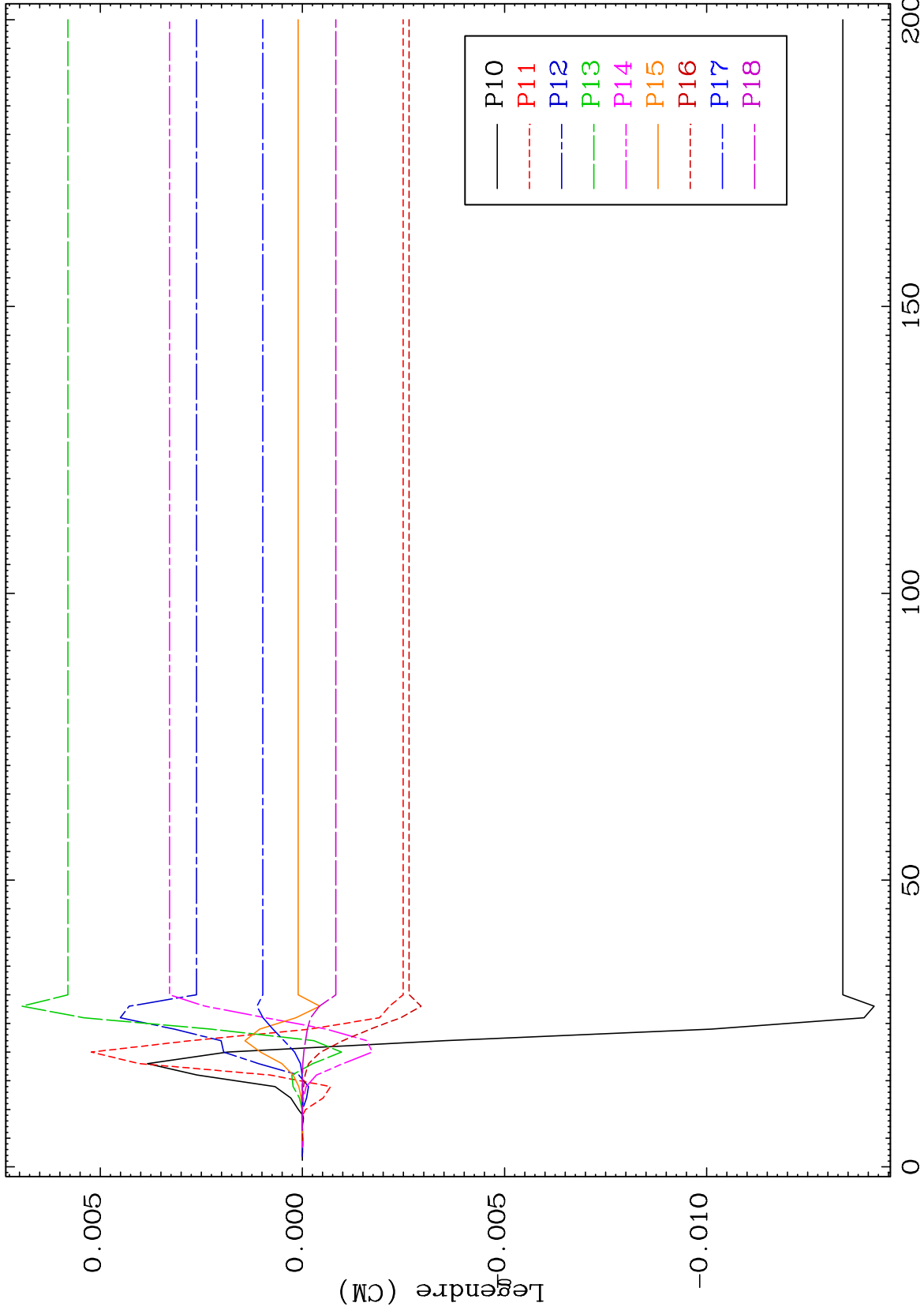
Incident Energy (MeV)

46

MAT 7249

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

72-Hf-182



47

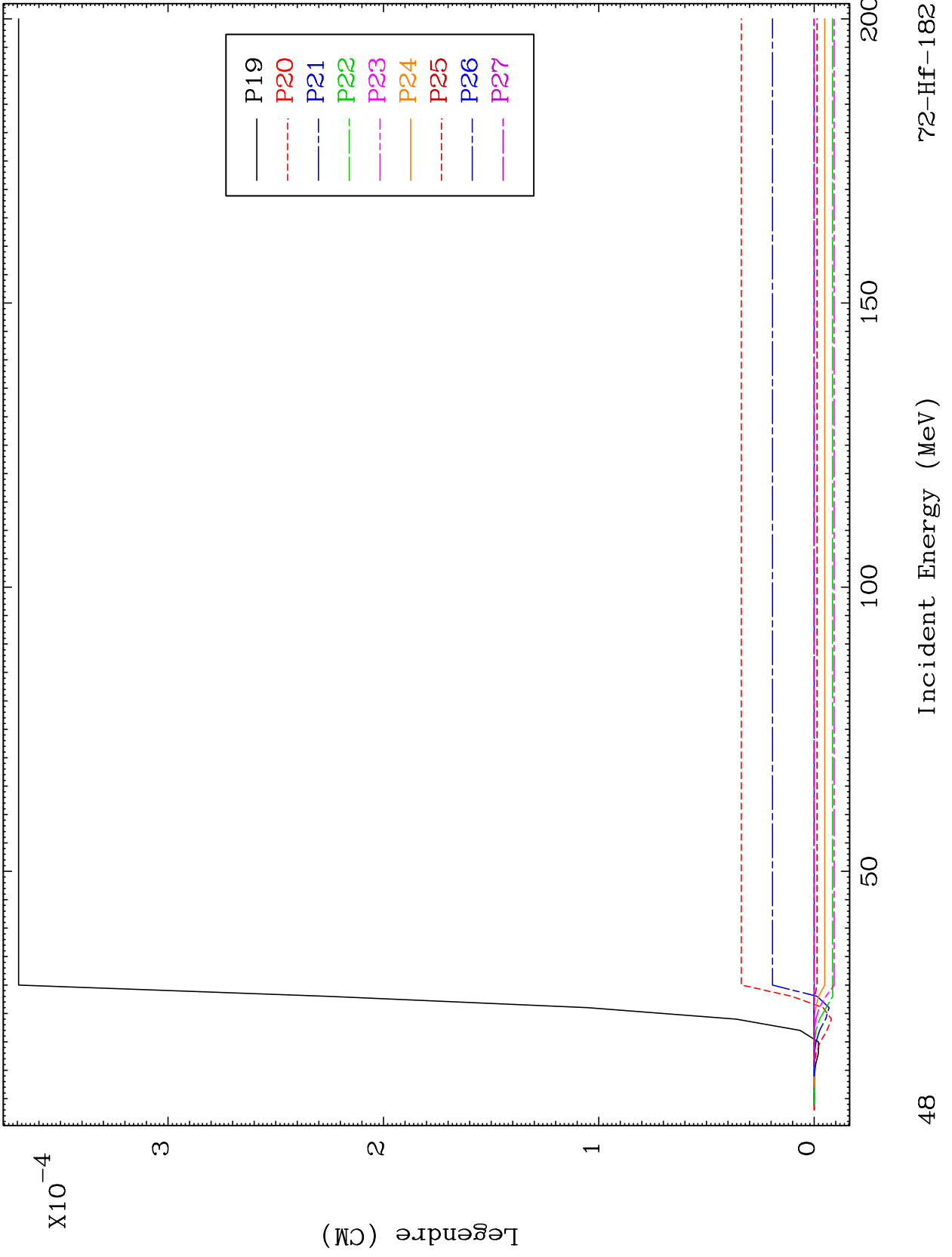
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

72-Hf-182



48

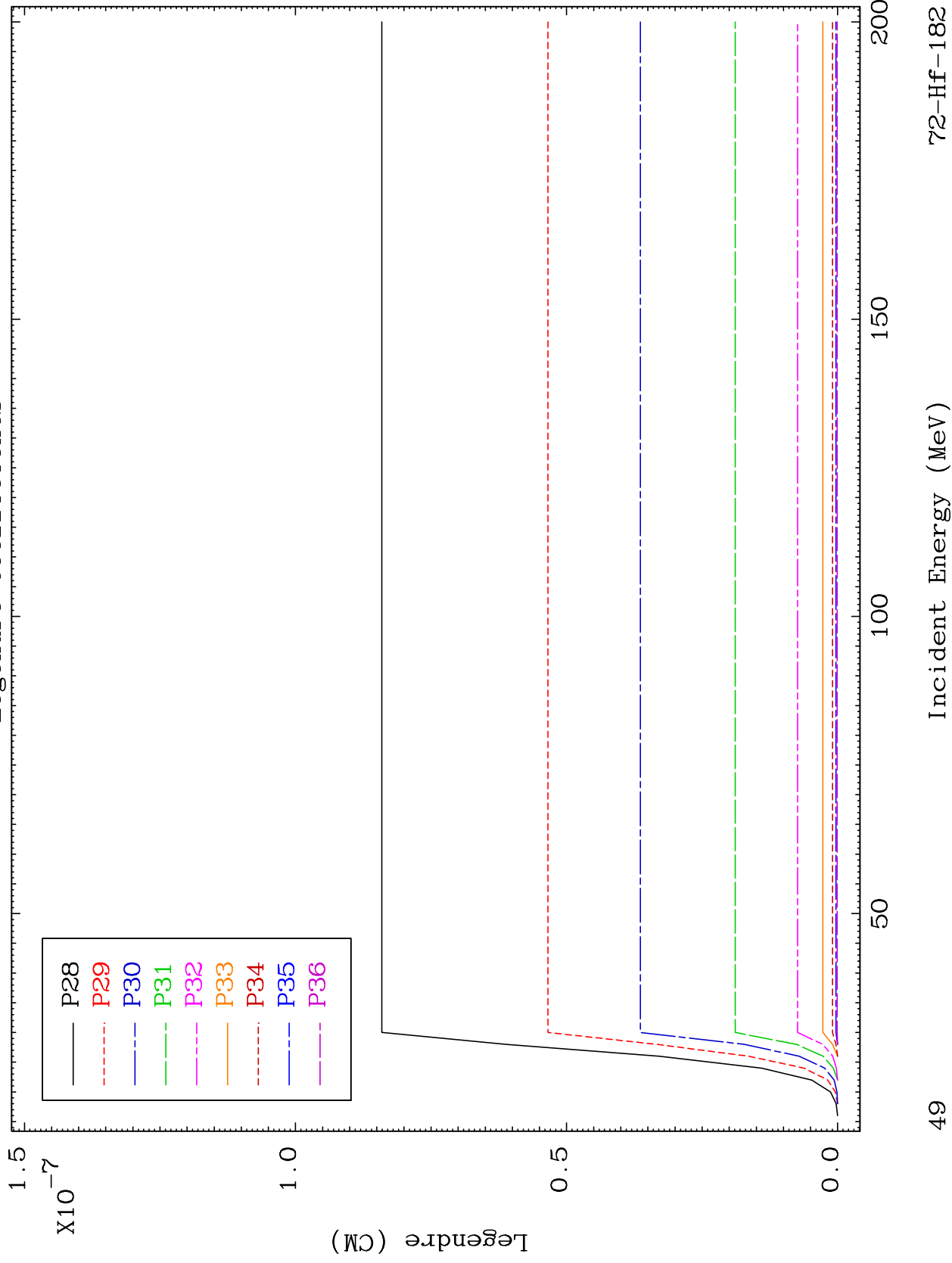
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

72-Hf-182



49

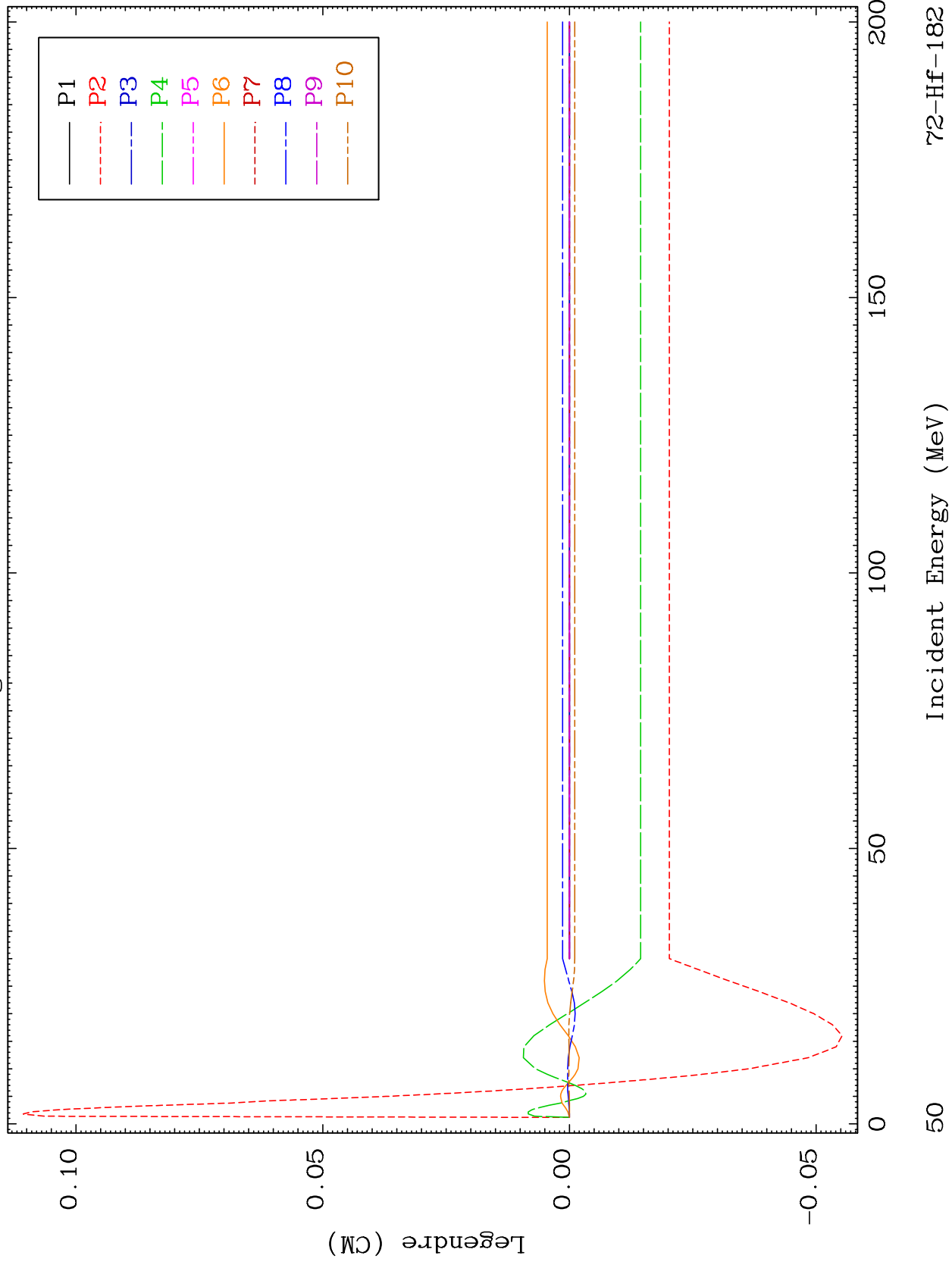
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

72-Hf-182



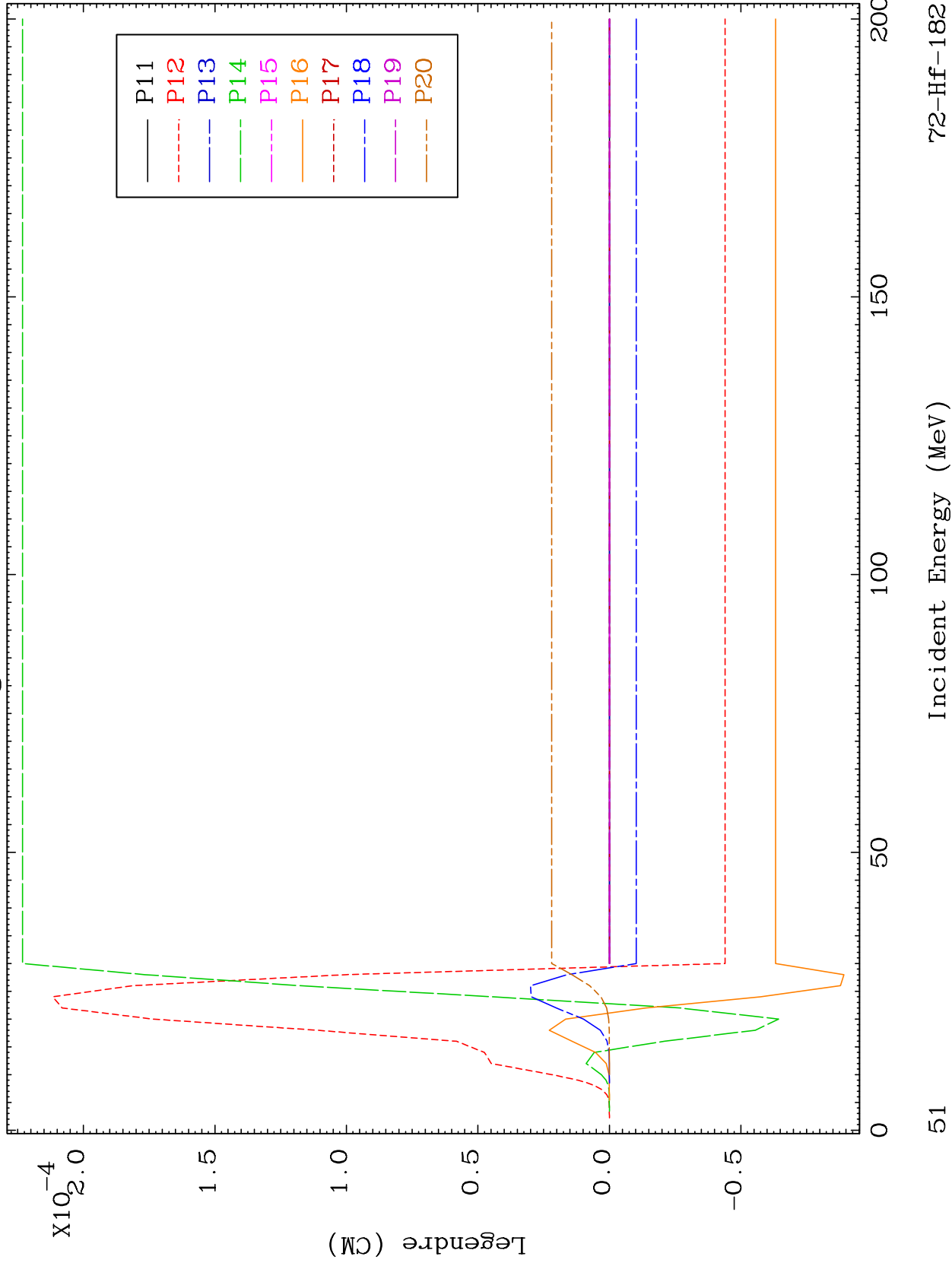
72-Hf-182

Incident Energy (MeV)

MAT 7249

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

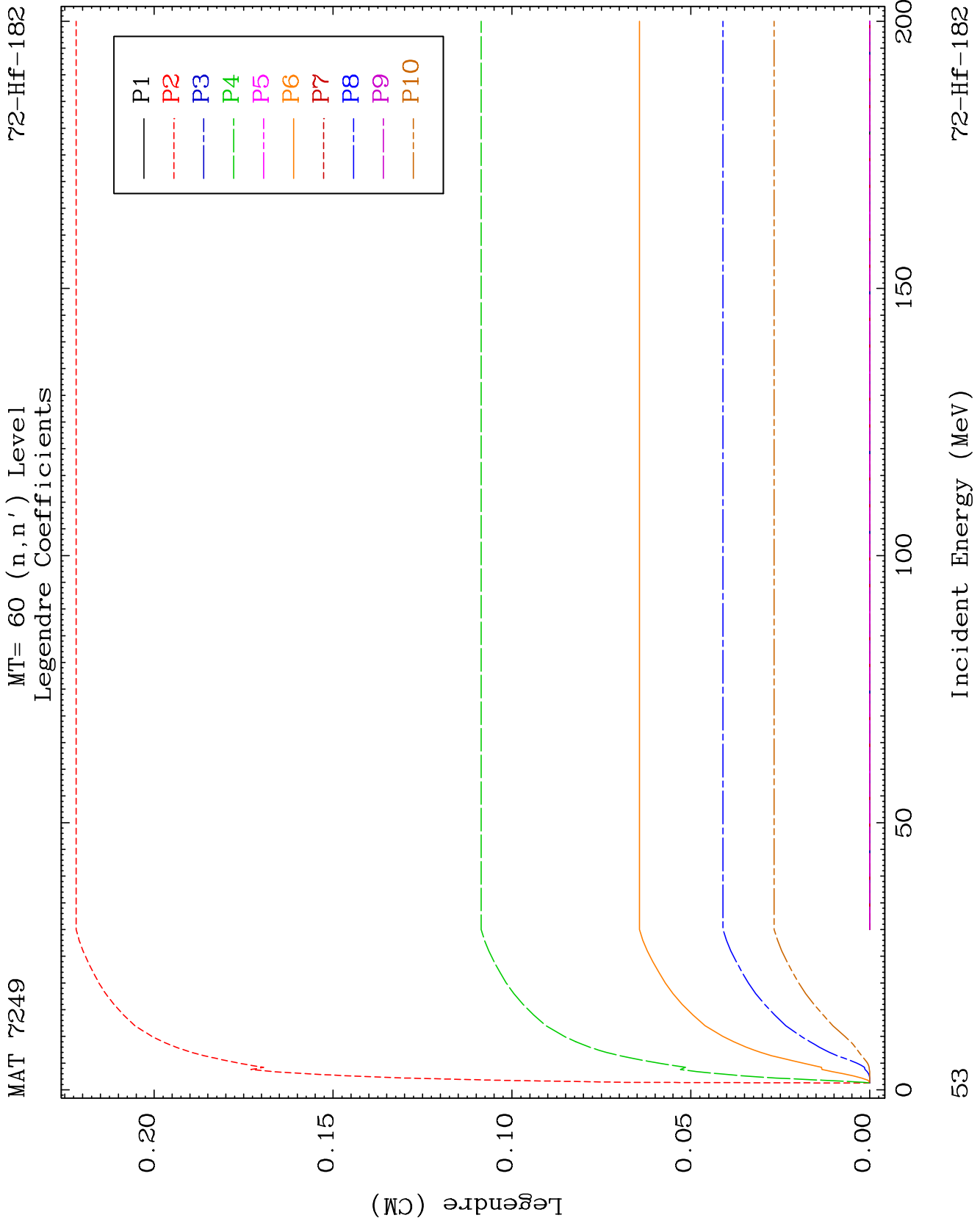
72-Hf-182



51

Incident Energy (MeV)

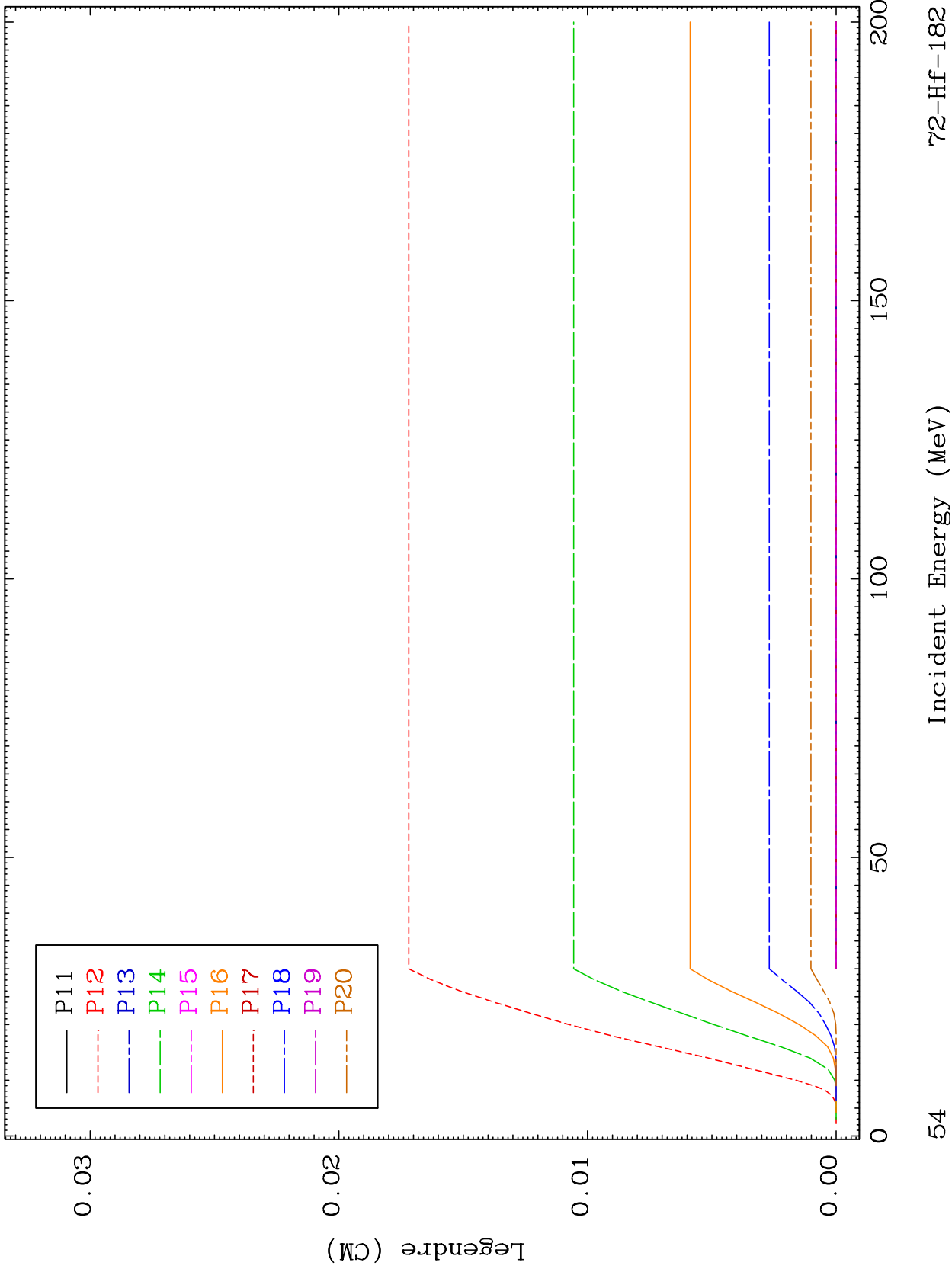
72-Hf-182



MAT 7249

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

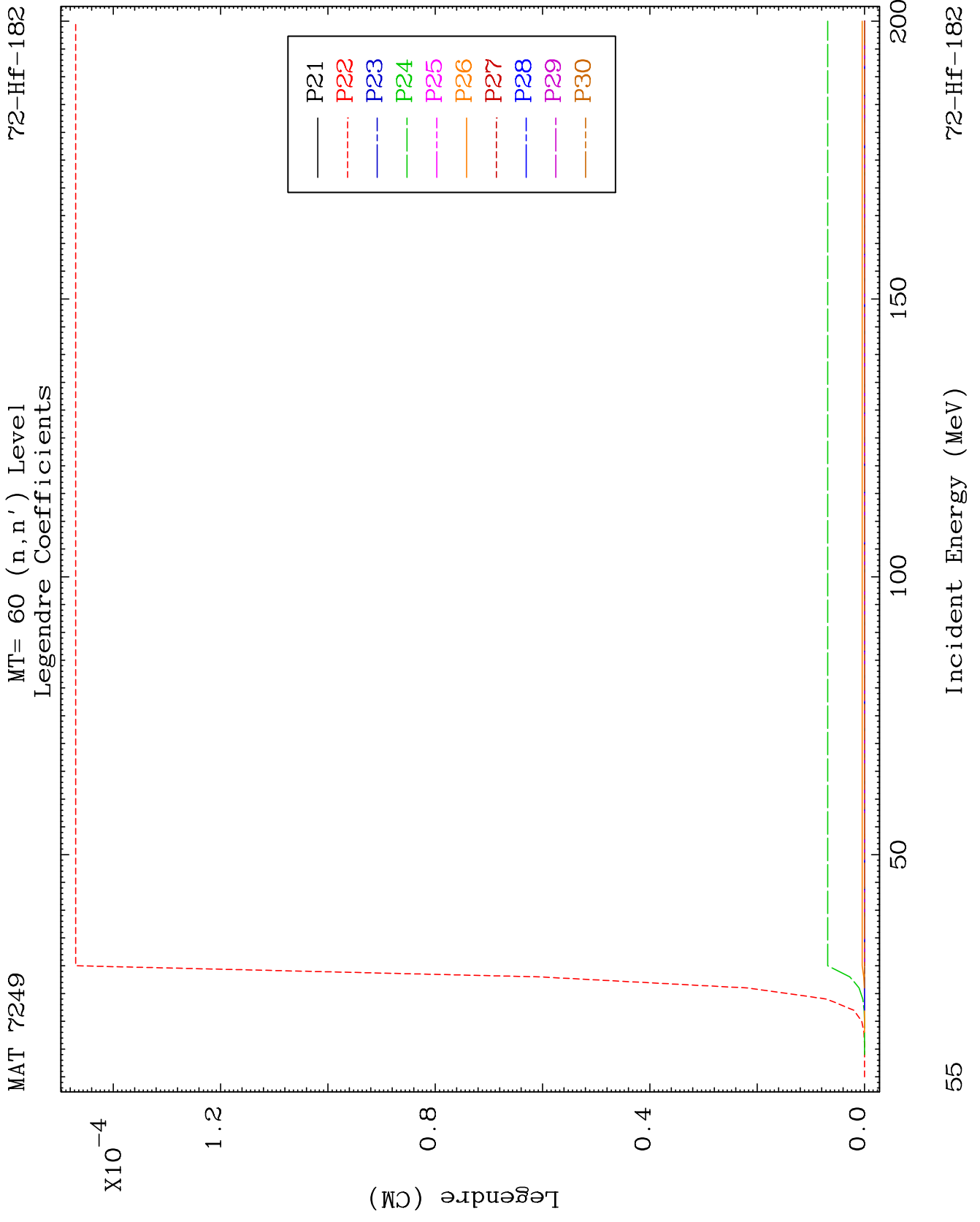
72-Hf-182



54

Incident Energy (MeV)

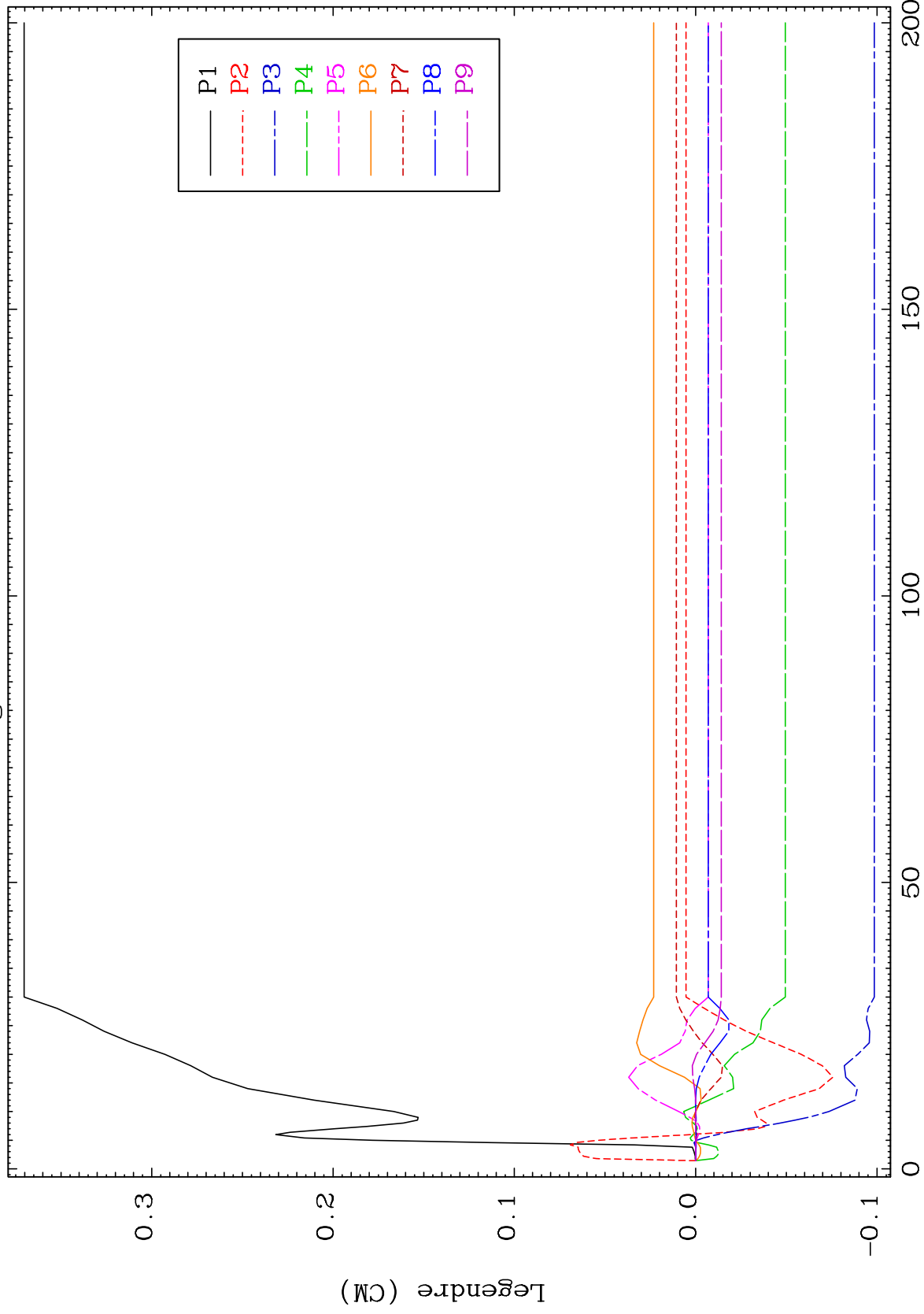
72-Hf-182



MAT 7249

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

72-Hf-182



56

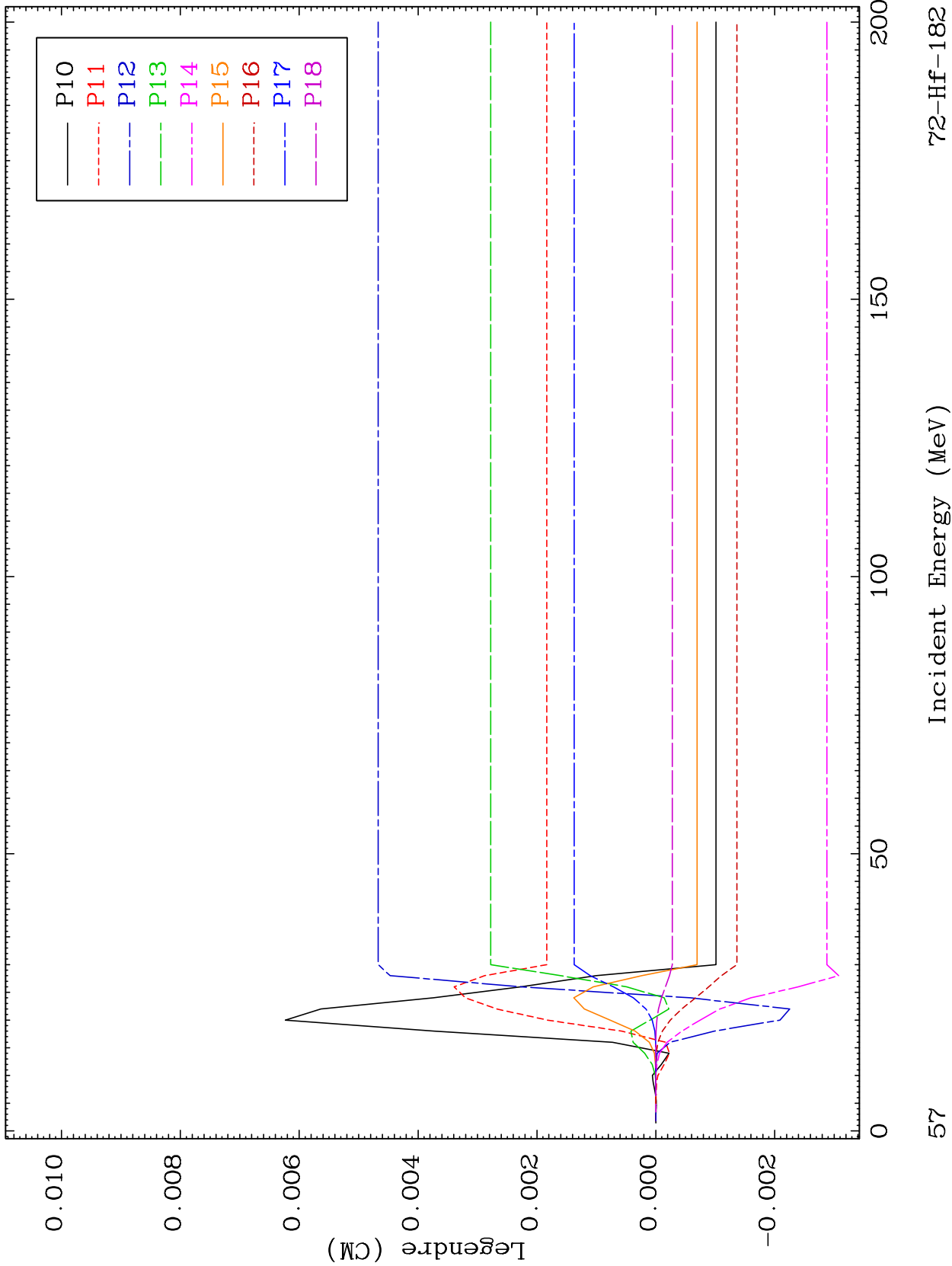
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

72-Hf-182



57

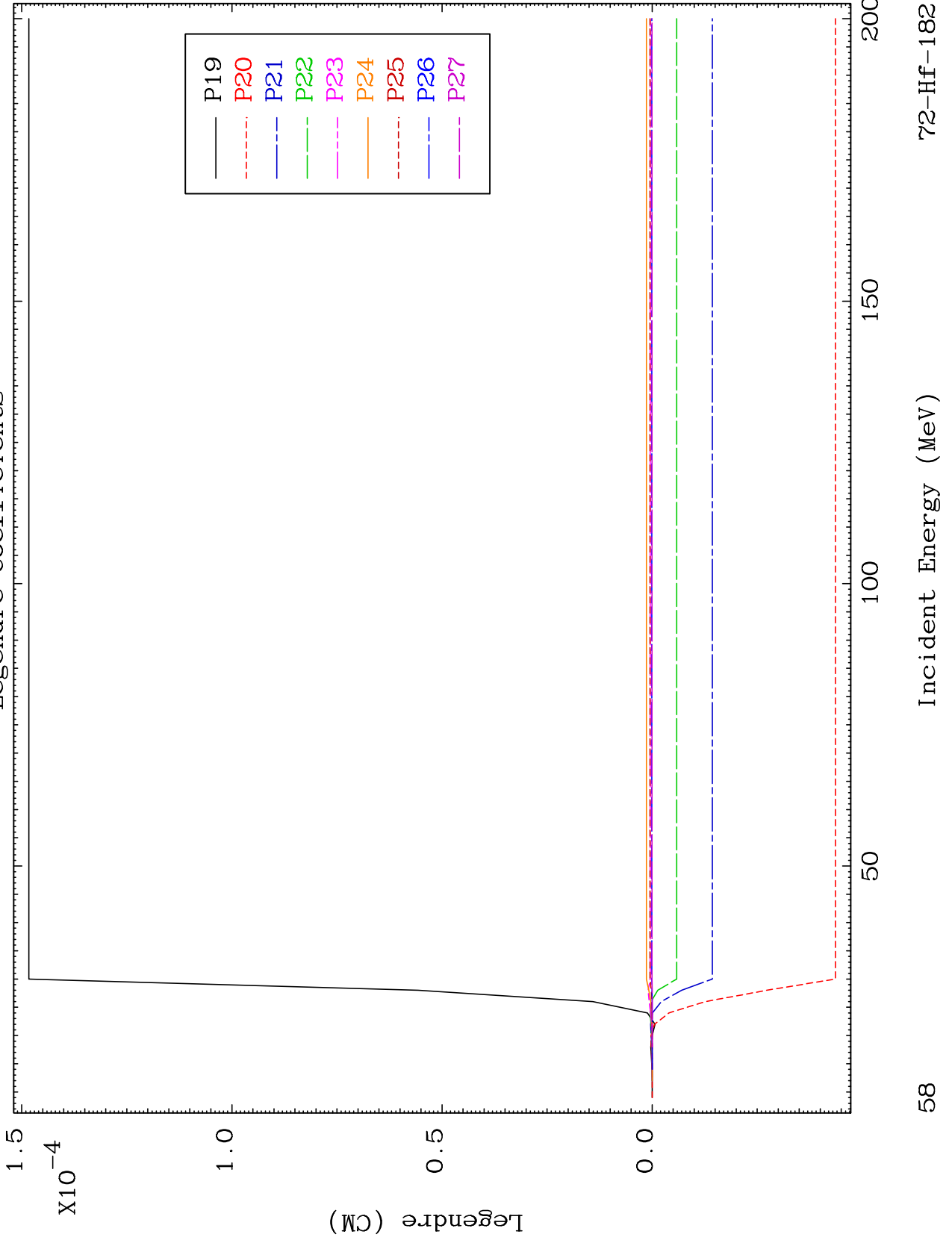
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

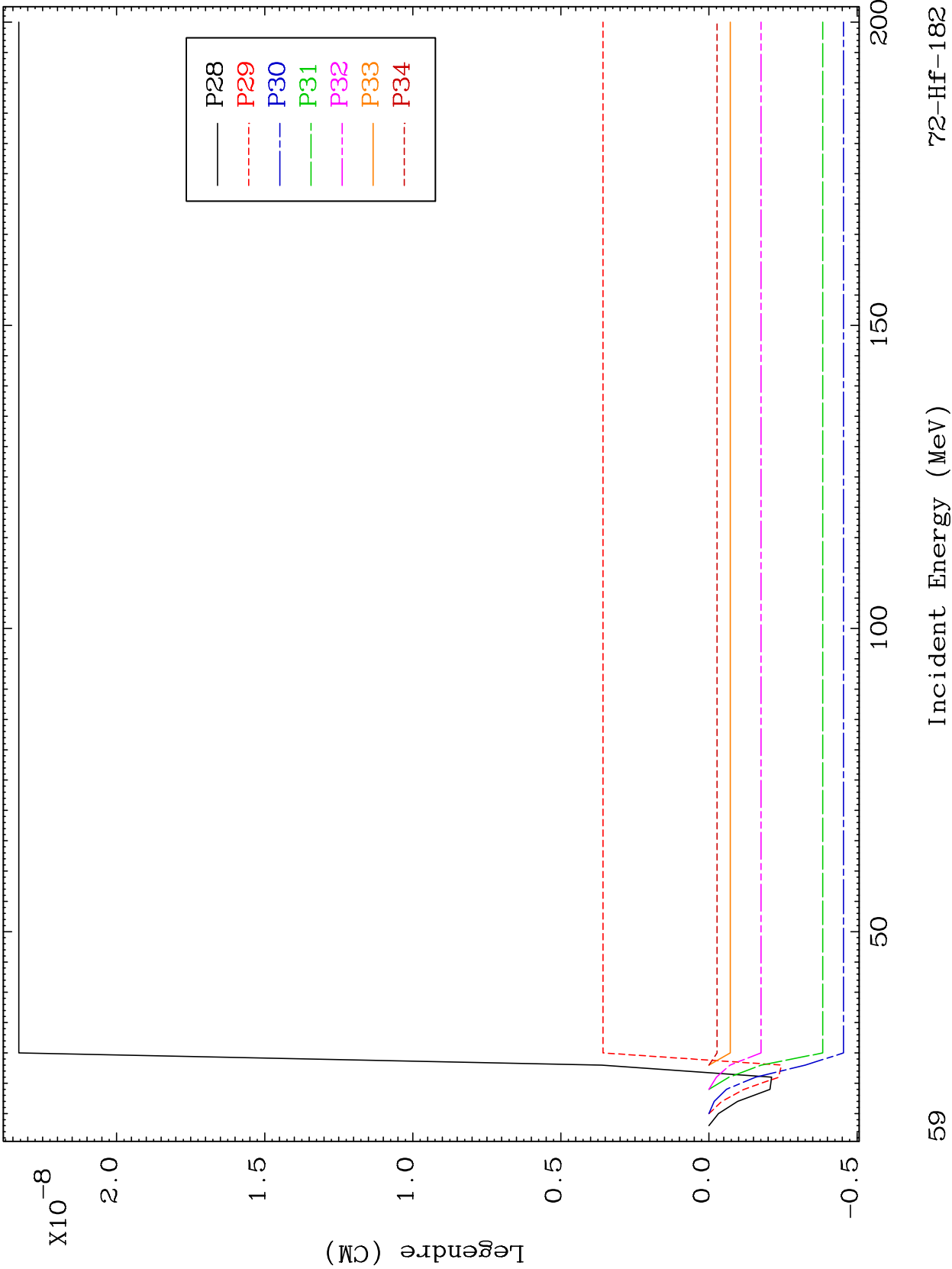
72-Hf-182



58

Incident Energy (MeV)

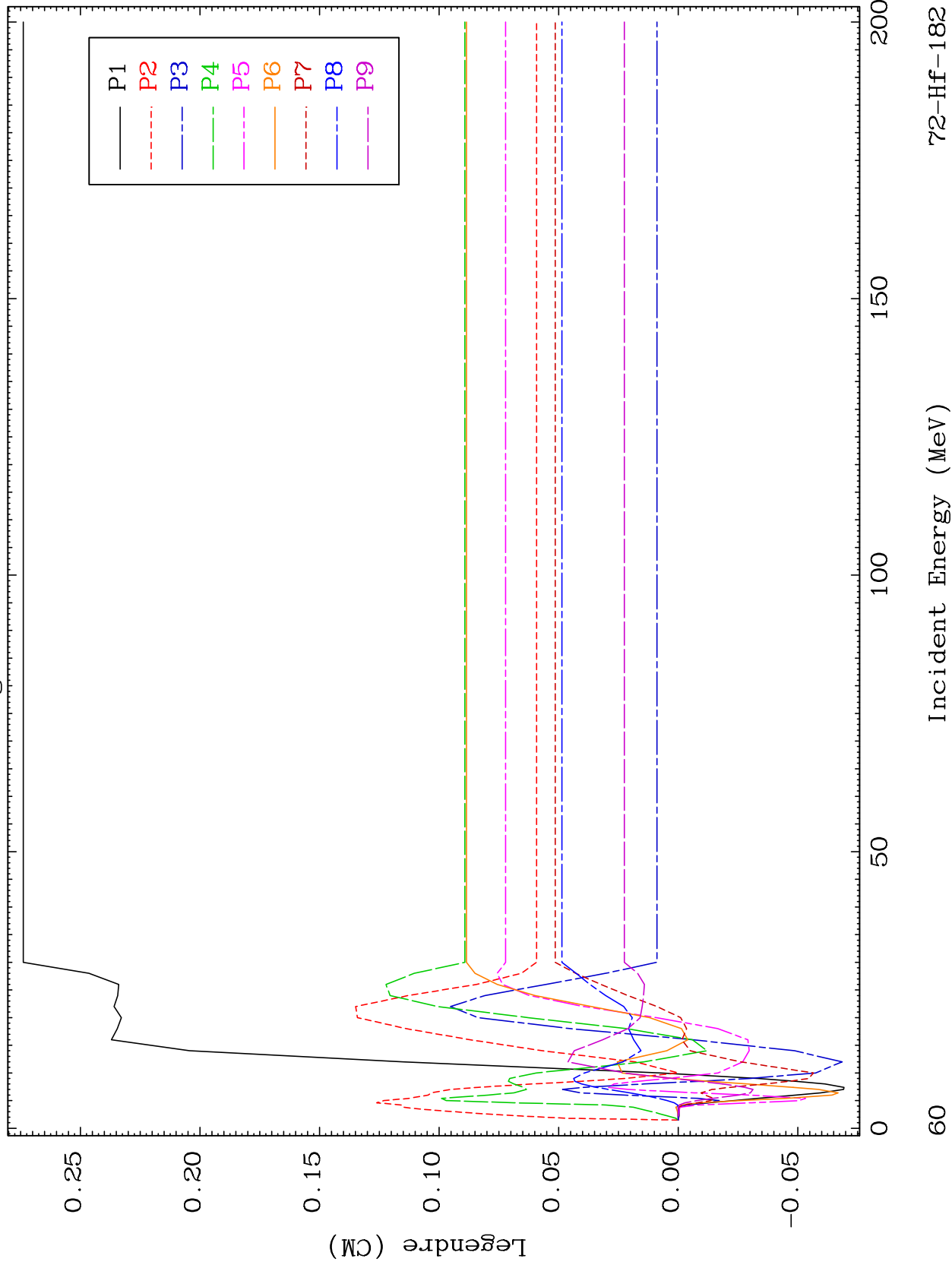
72-Hf-182



MAT 7249

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

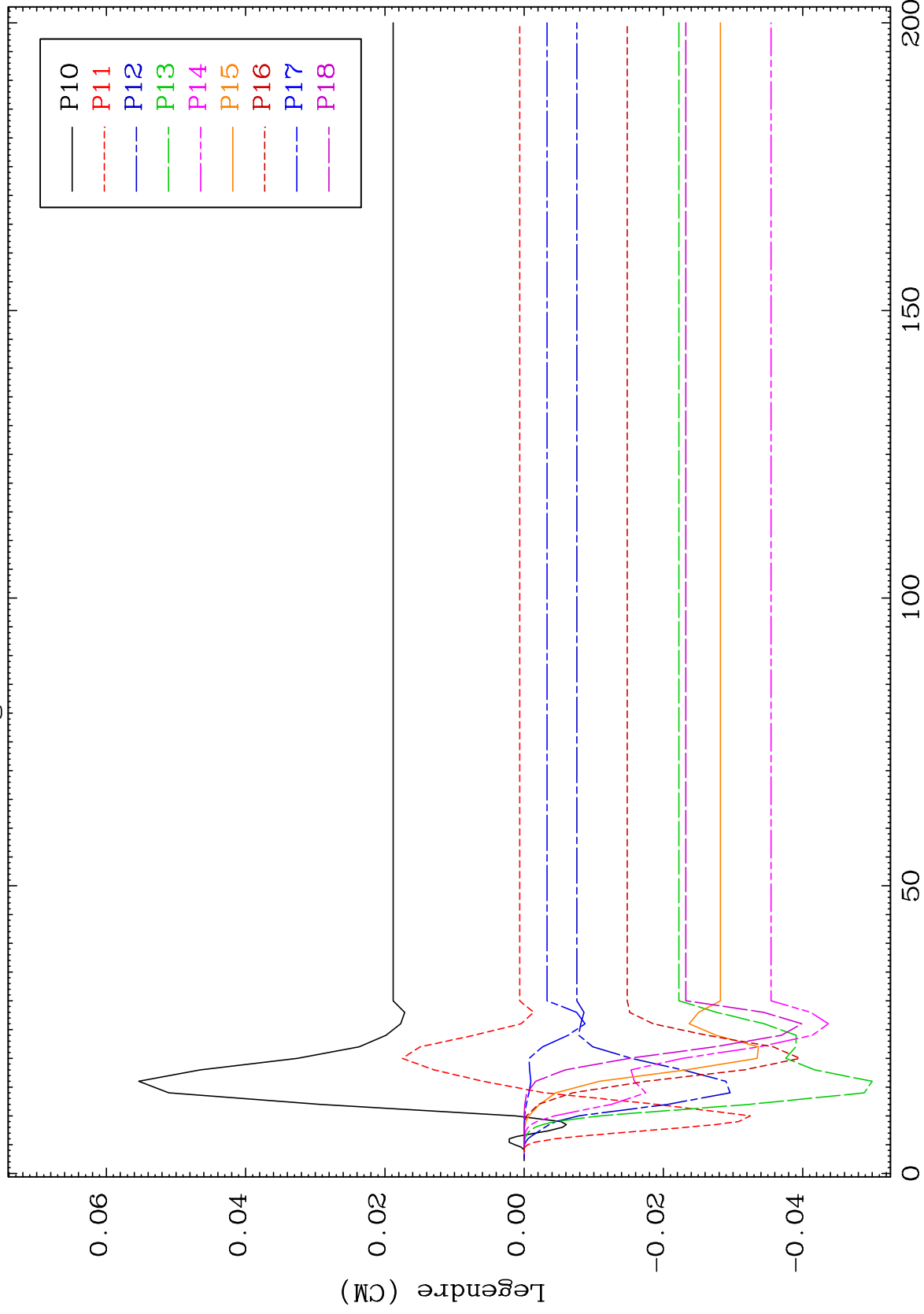
72-Hf-182



MAT 7249

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

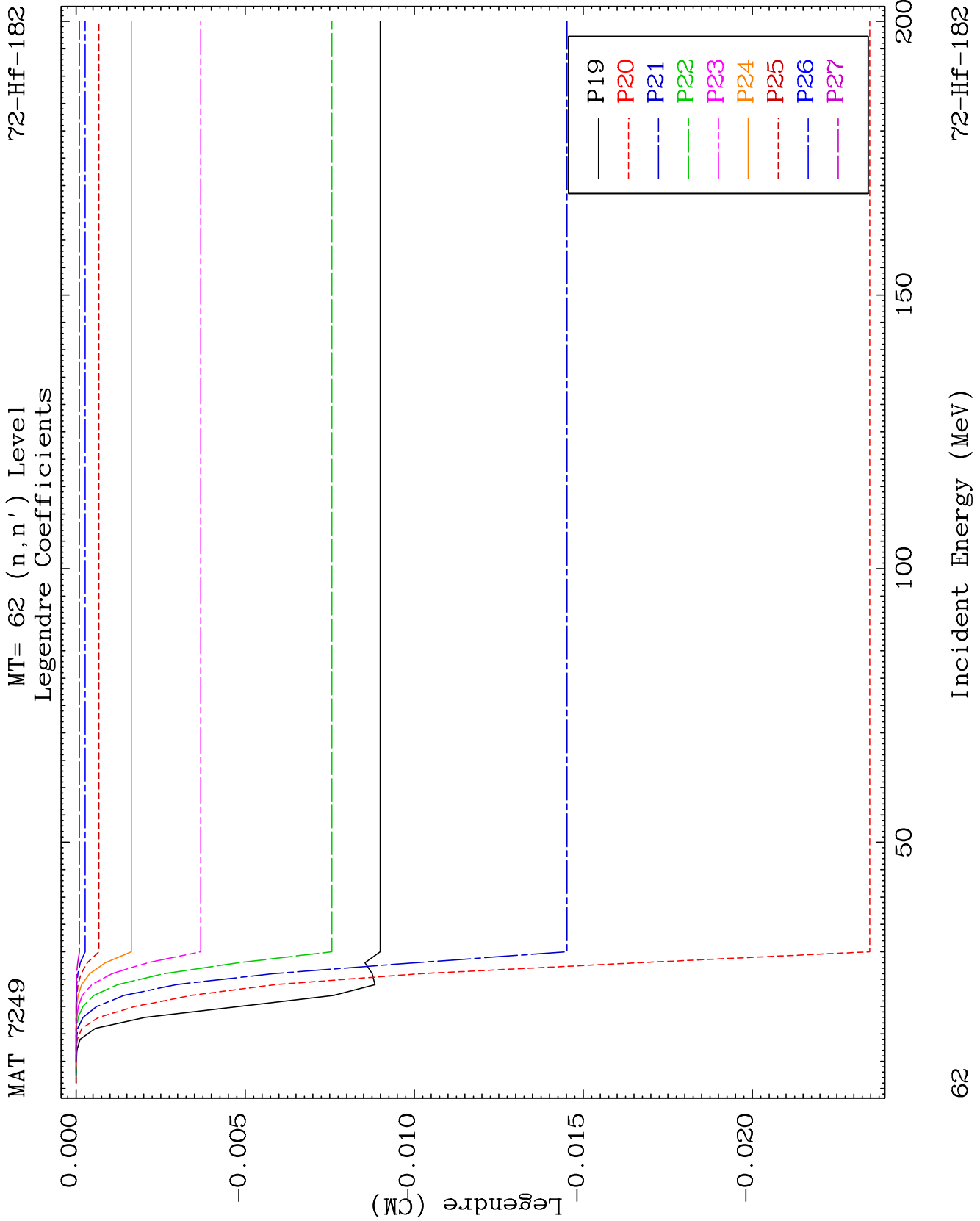
72-Hf-182

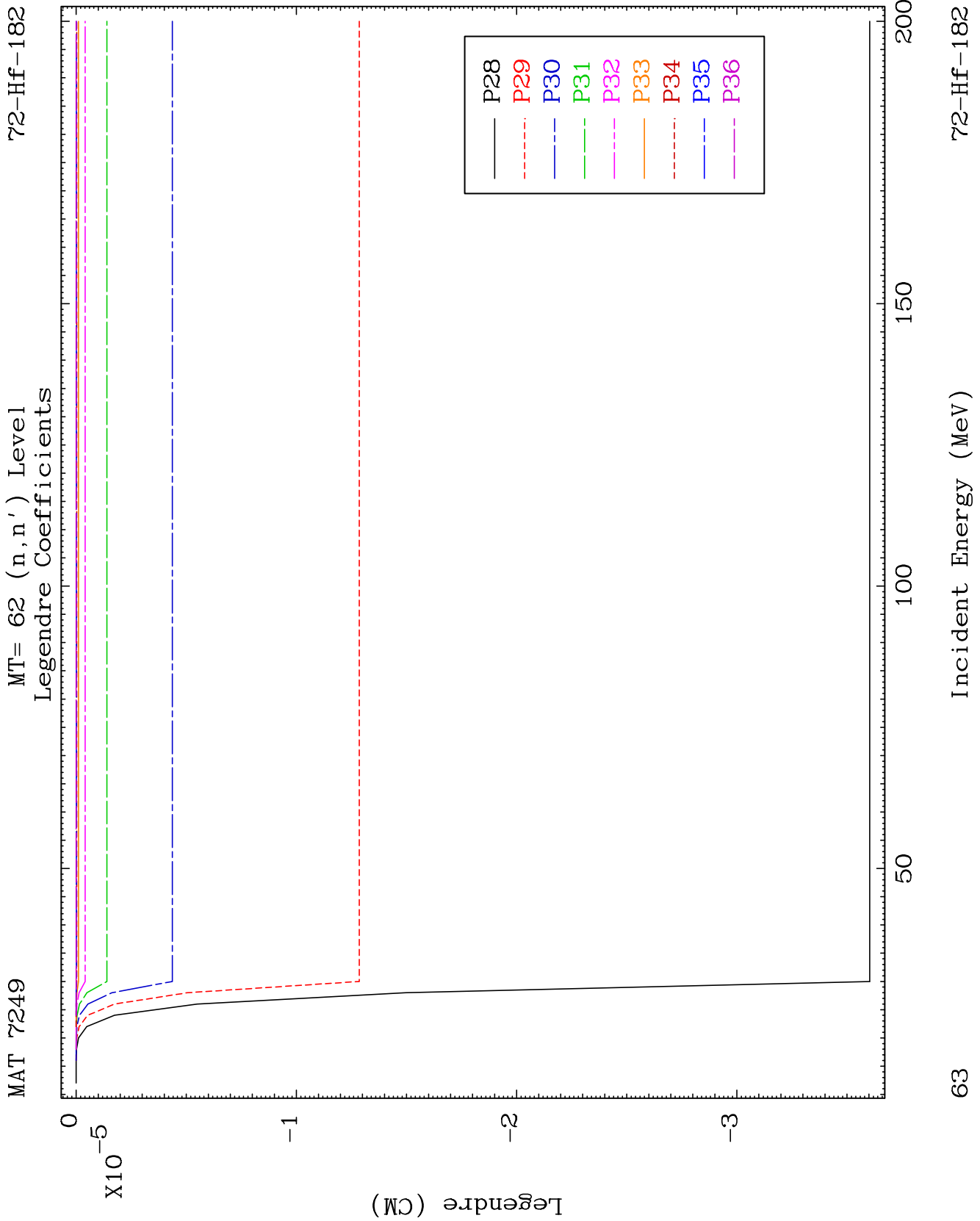


61

Incident Energy (MeV)

72-Hf-182

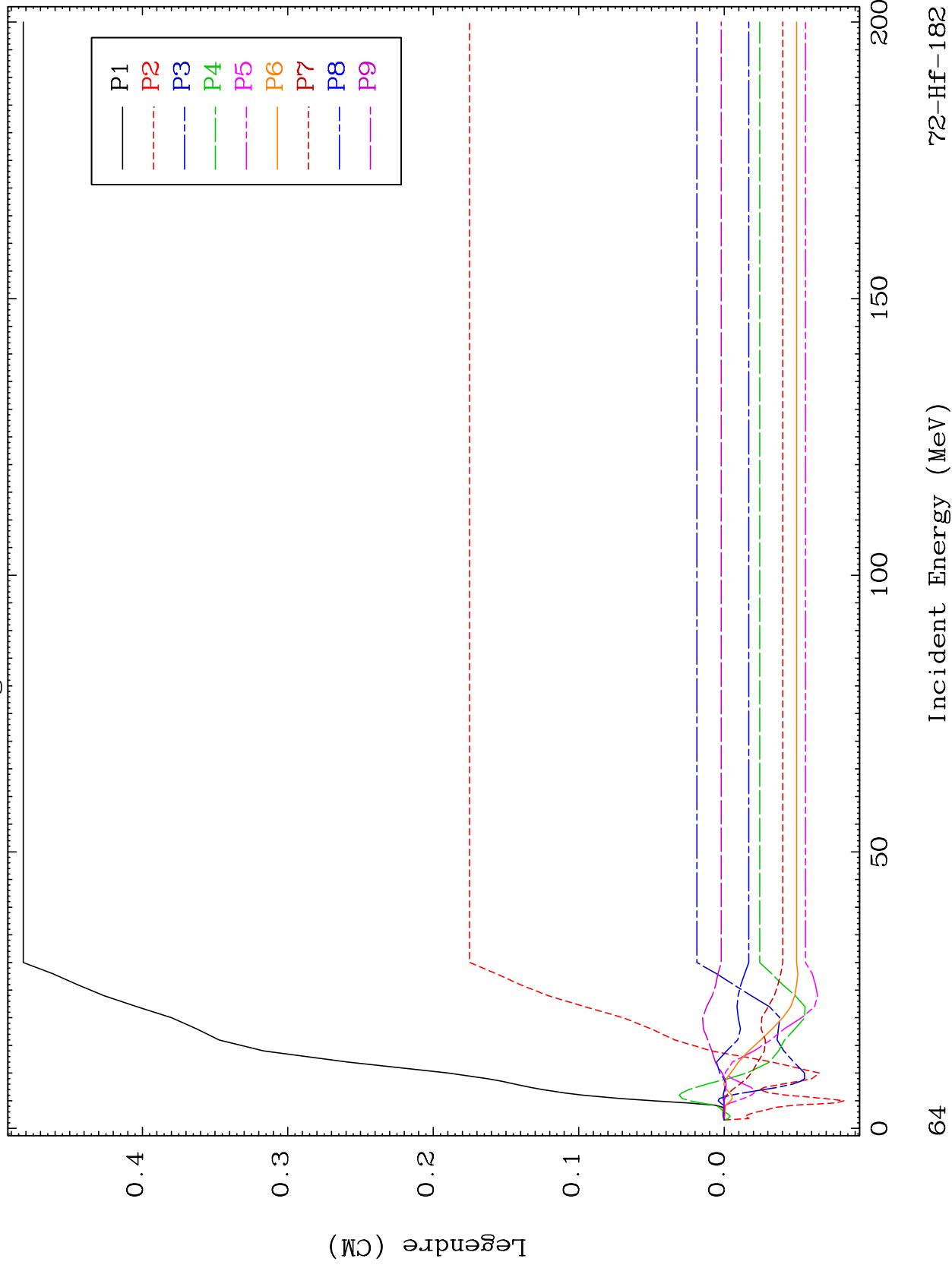




MAT 7249

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

72-Hf-182



72-Hf-182

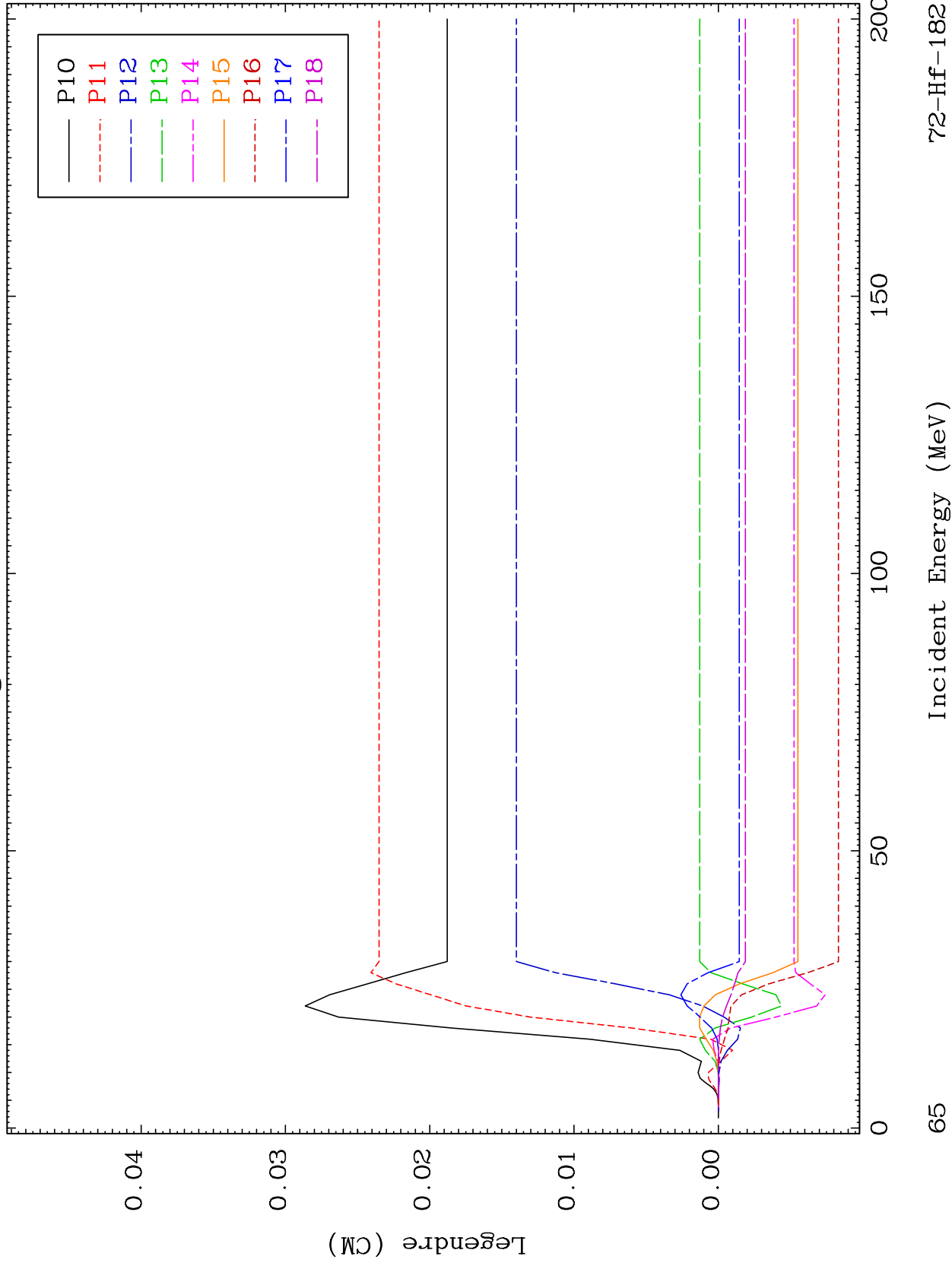
Incident Energy (MeV)

64

MAT 7249

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

72-Hf-182



72-Hf-182

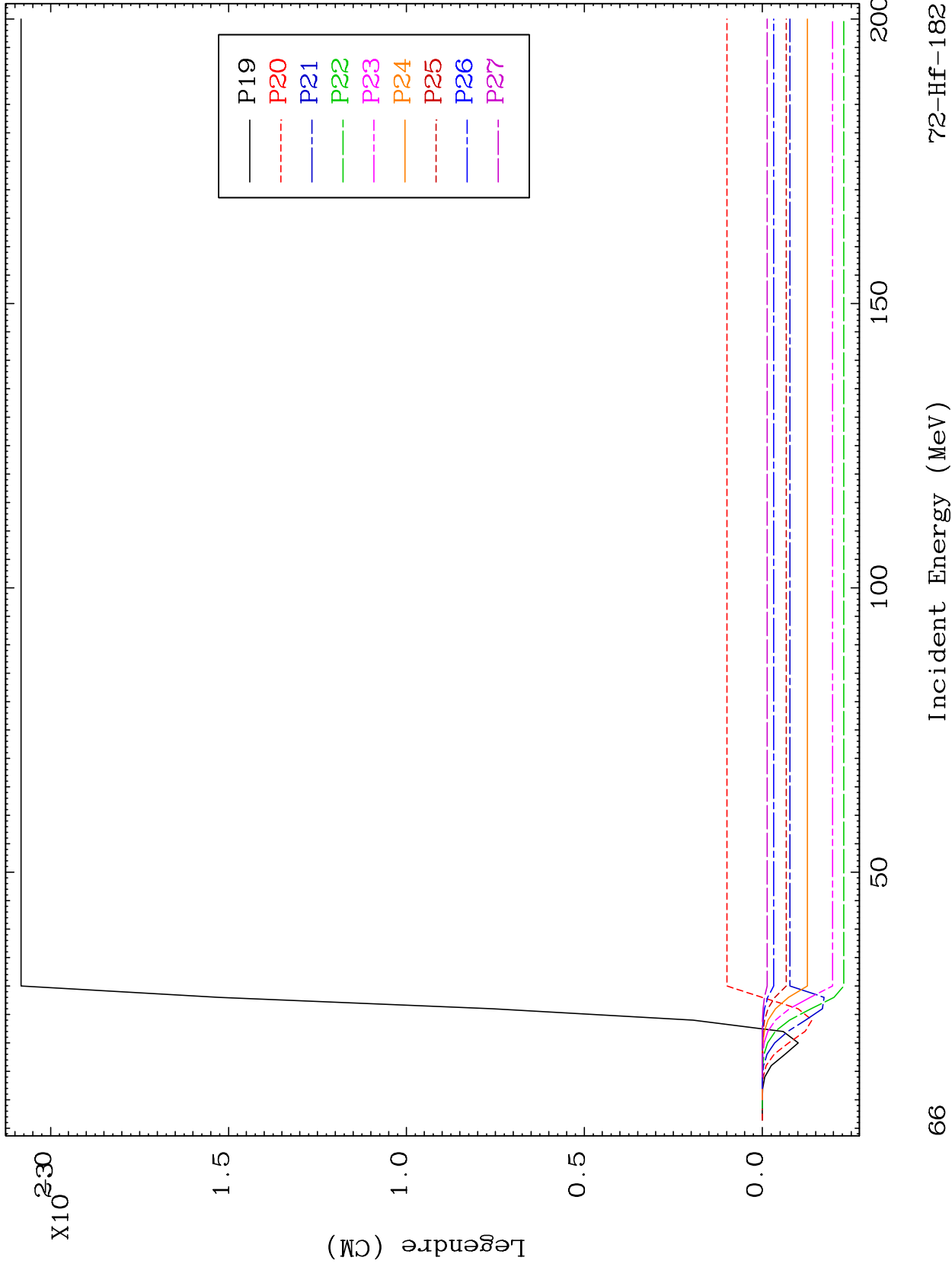
Incident Energy (MeV)

65

MAT 7249

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

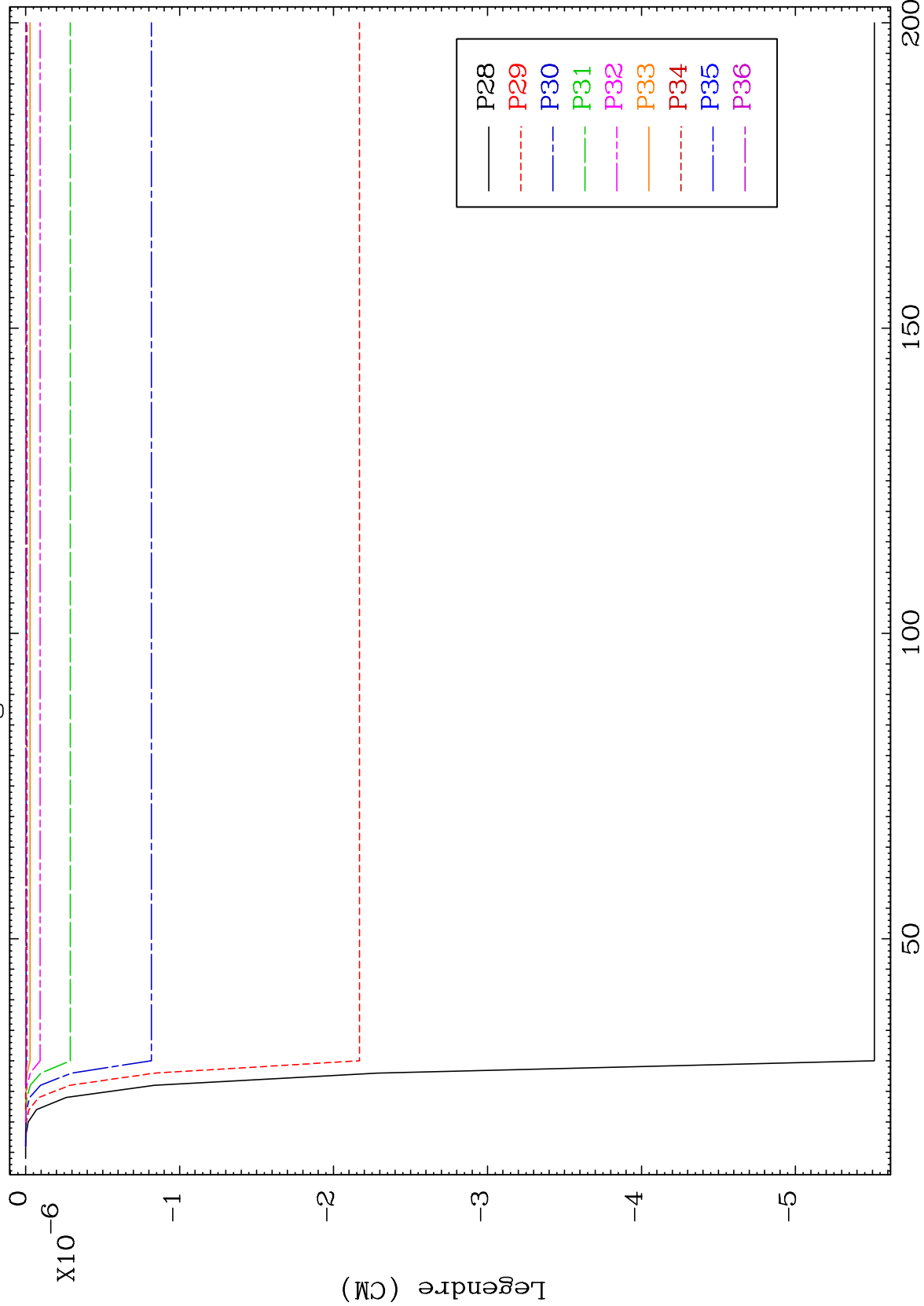
72-Hf-182



MAT 7249

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

72-Hf-182



67

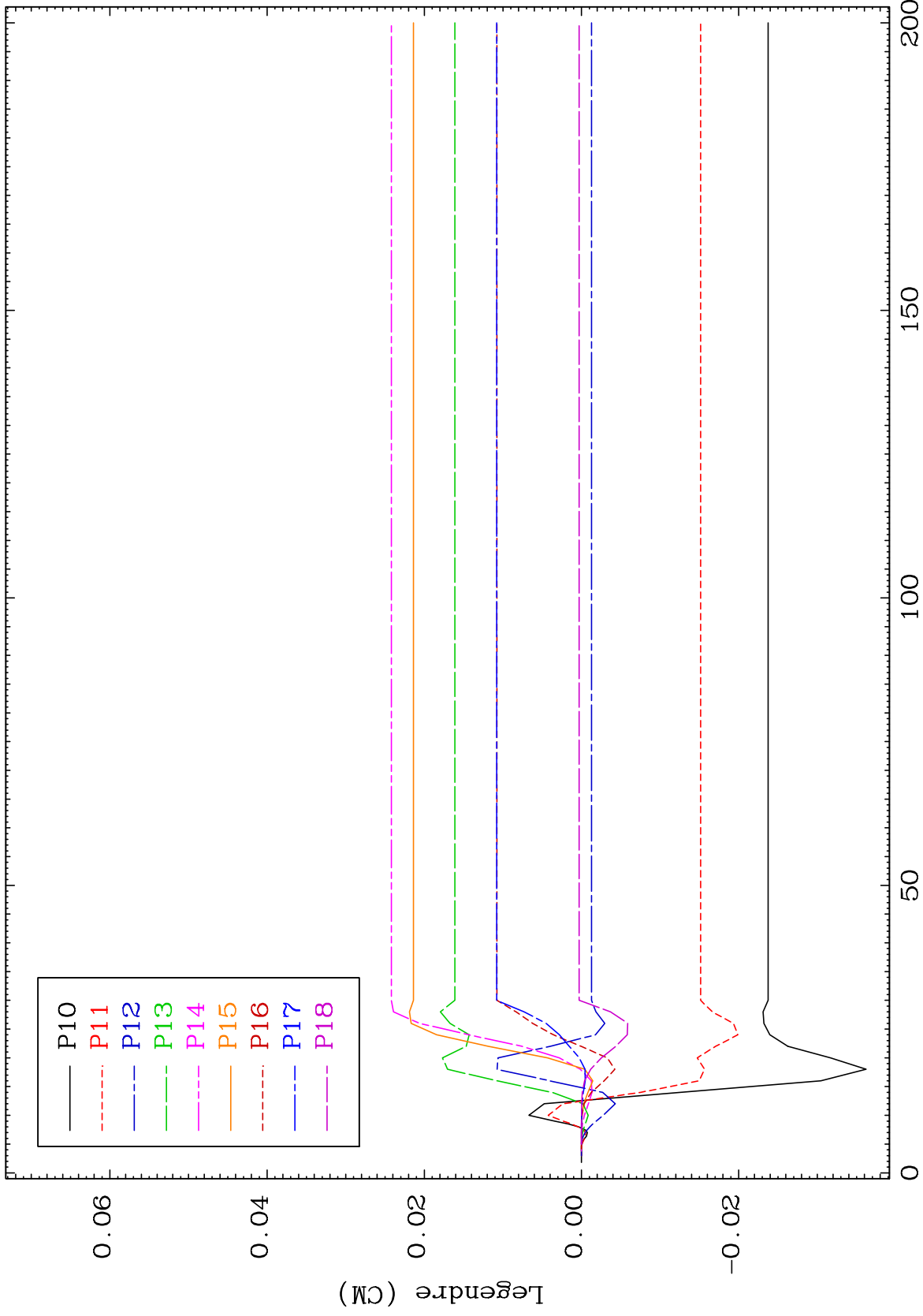
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

72-Hf-182



69

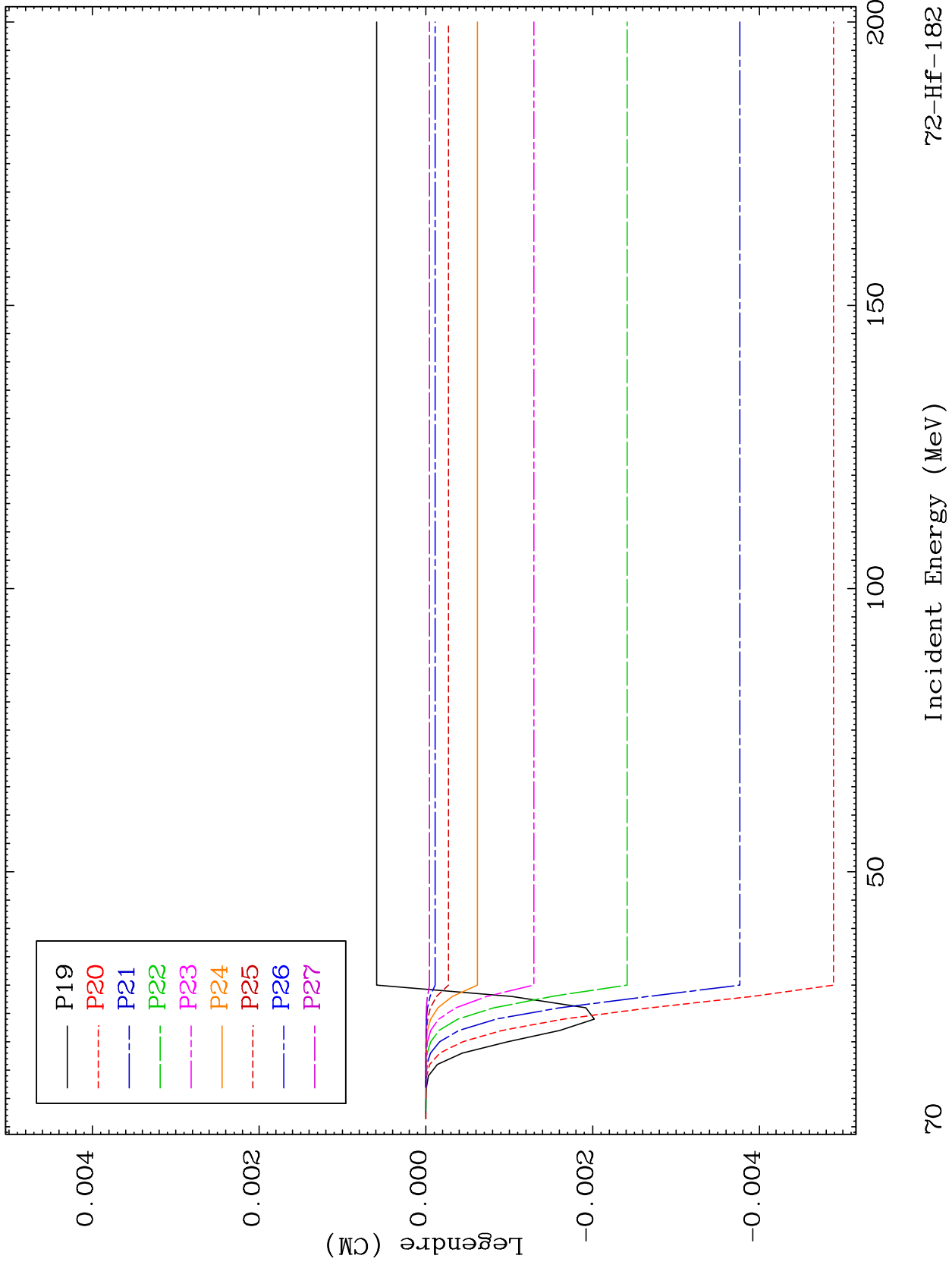
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

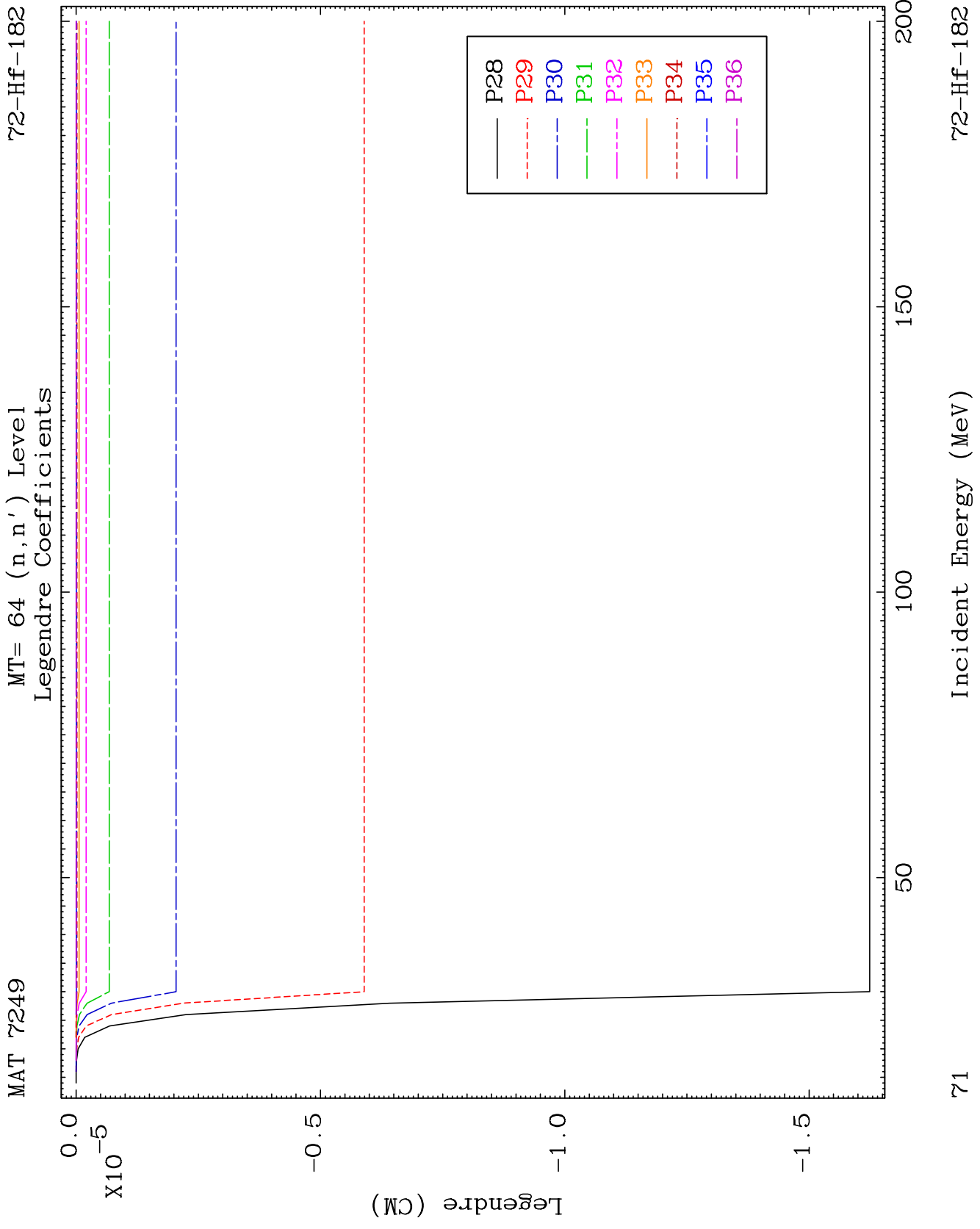
72-Hf-182



70

Incident Energy (MeV)

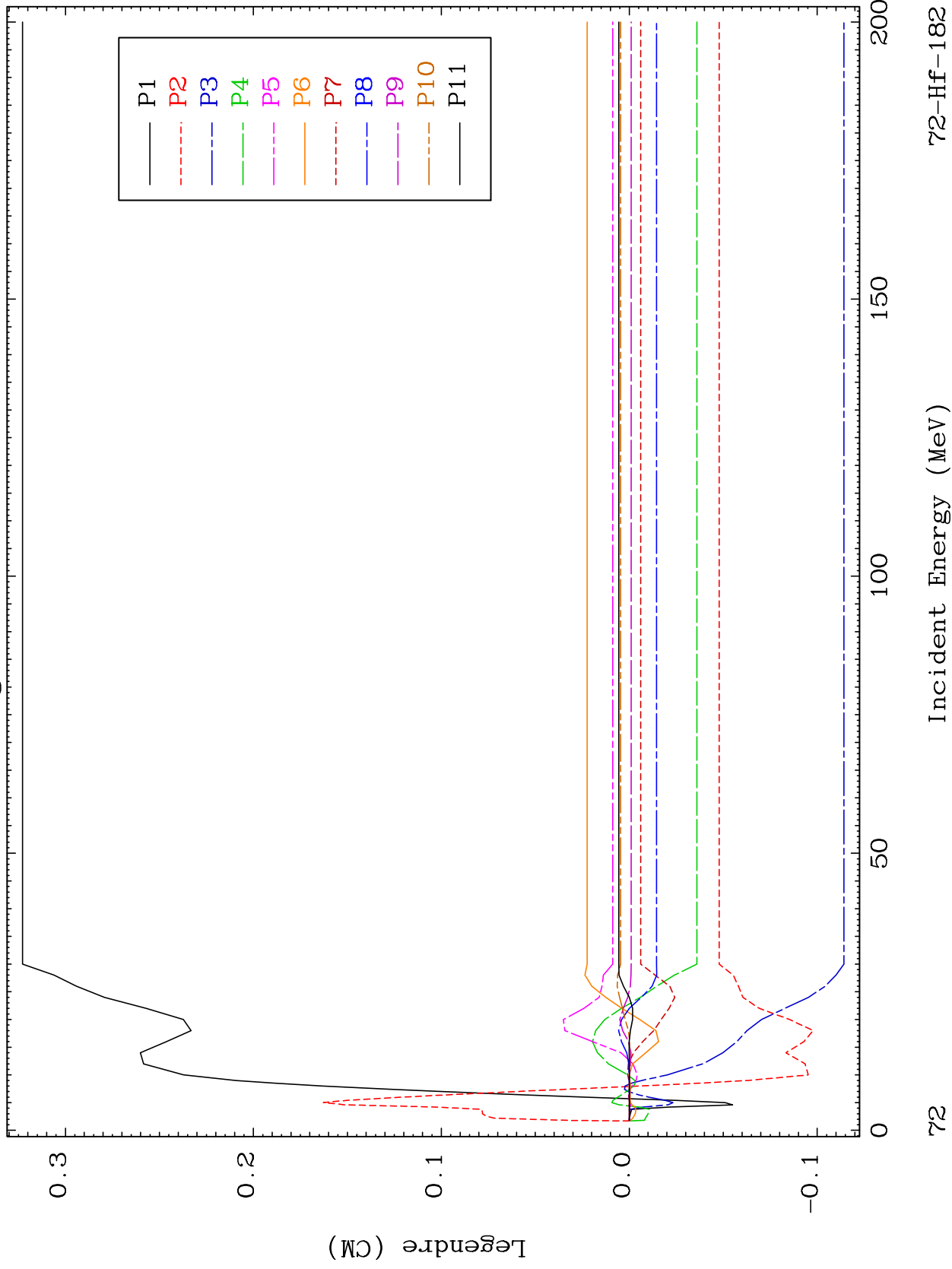
72-Hf-182



MAT 7249

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

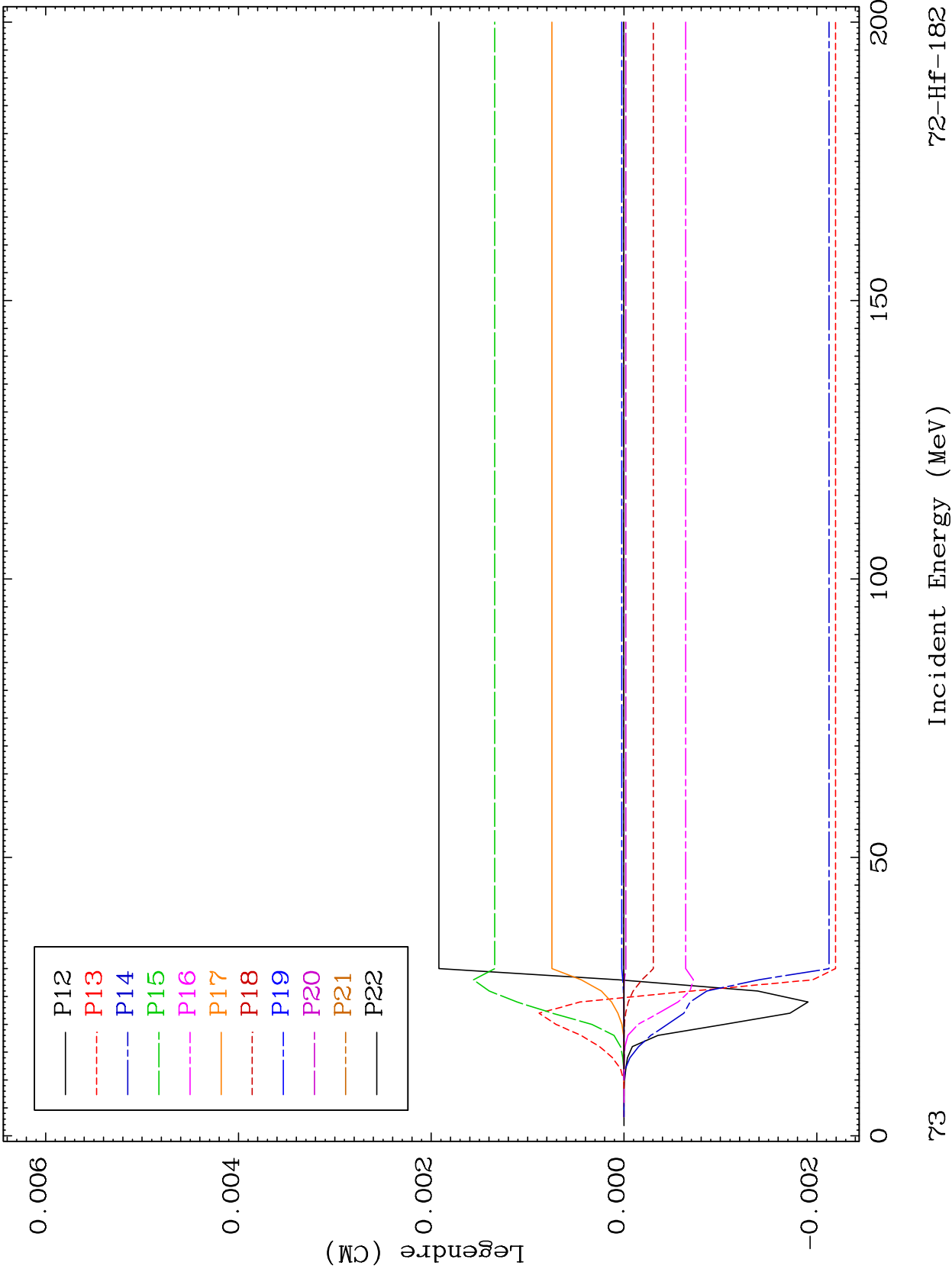
72-Hf-182



MAT 7249

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

72-Hf-182



73

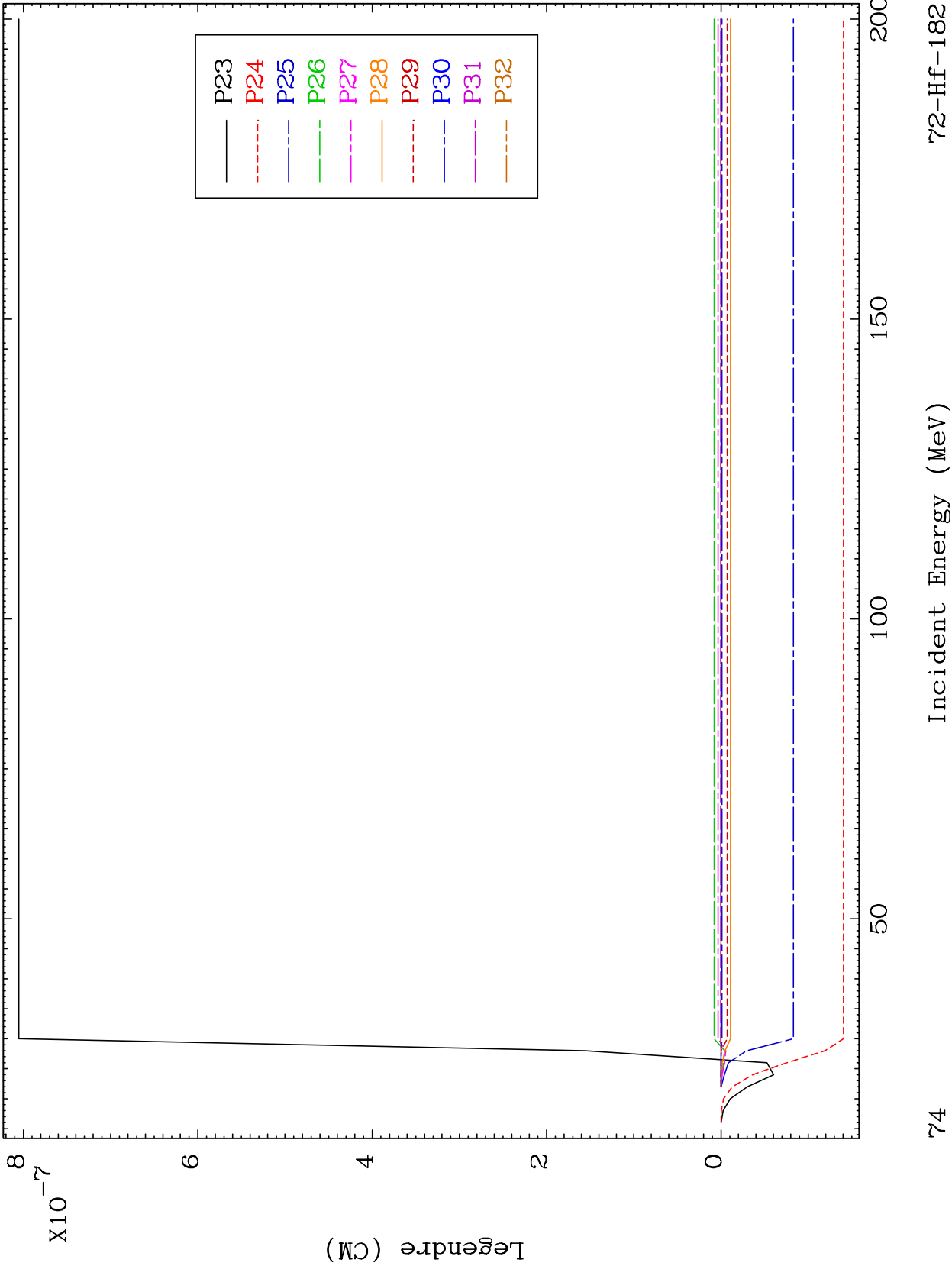
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

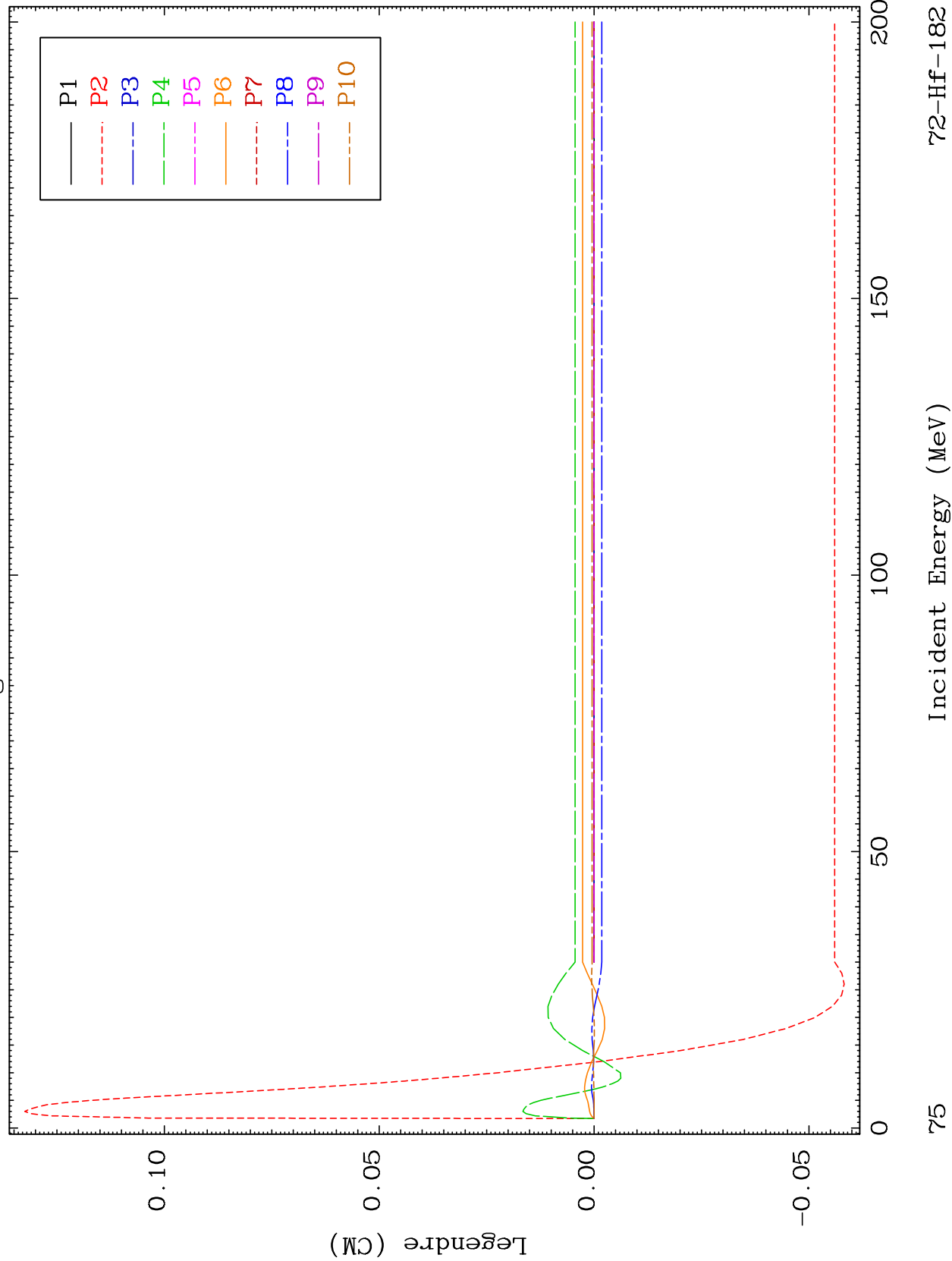
72-Hf-182



MAT 7249

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

72-Hf-182



72-Hf-182

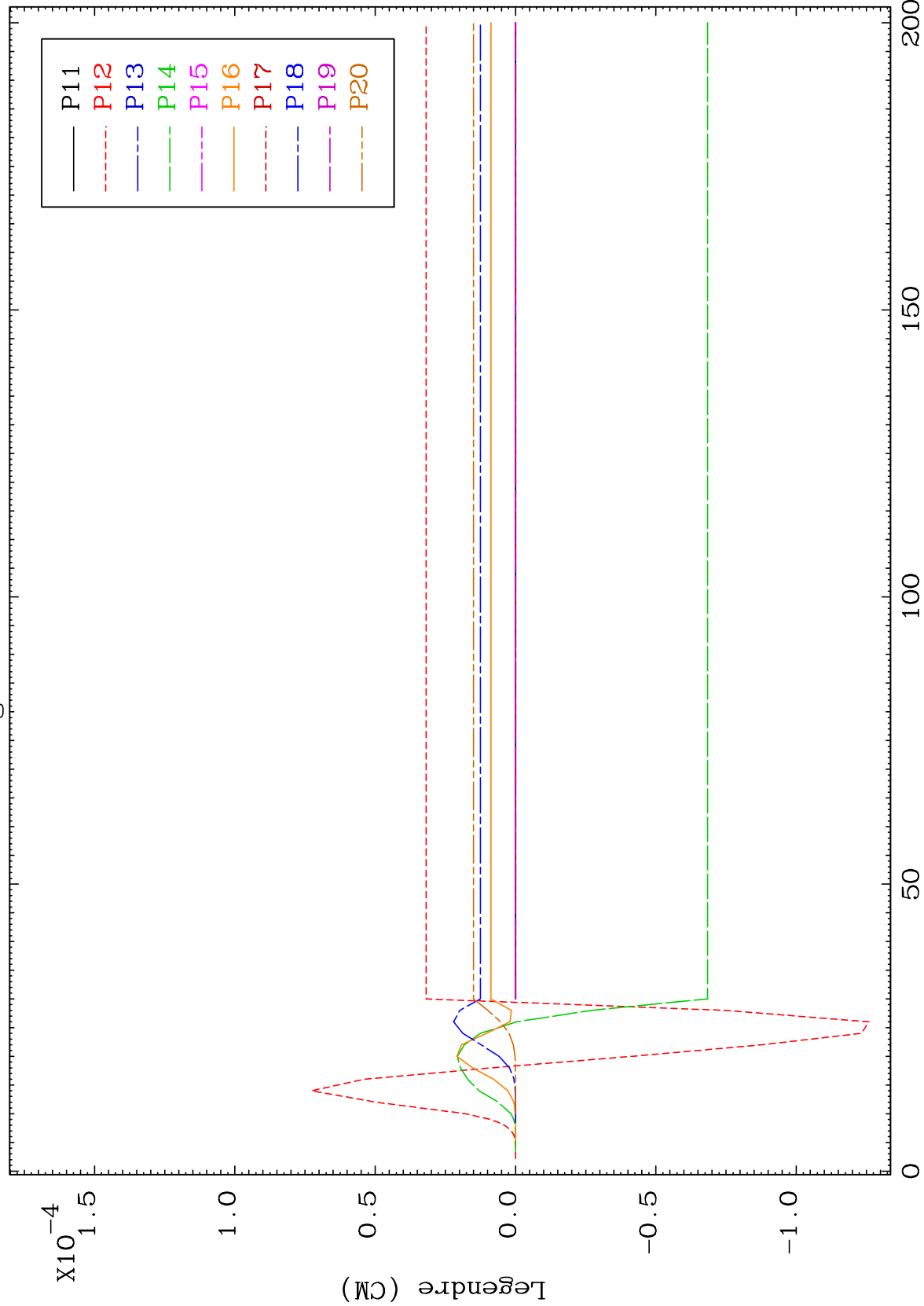
Incident Energy (MeV)

75

MAT 7249

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

72-Hf-182



76

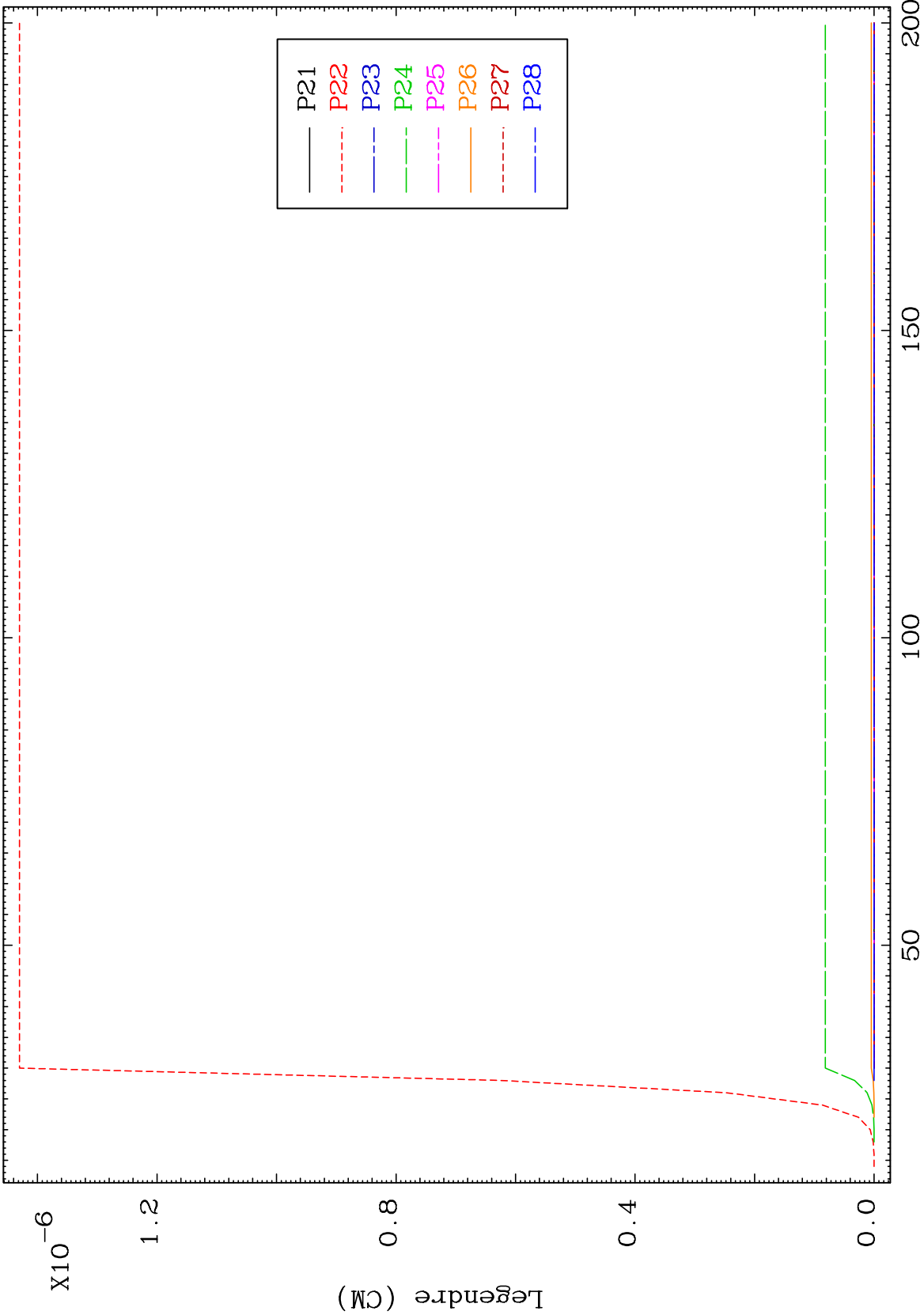
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

72-Hf-182



77

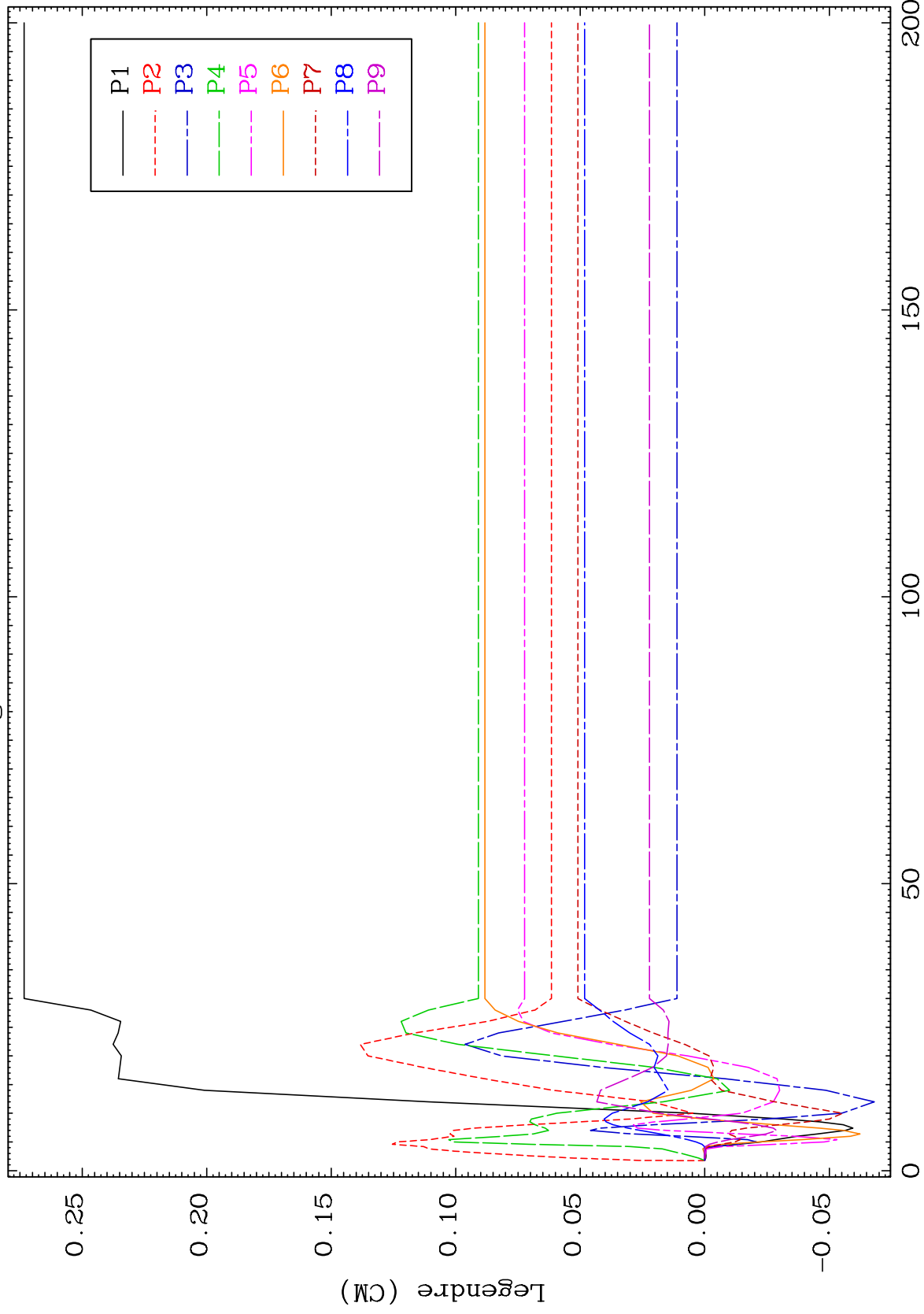
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

72-Hf-182



78

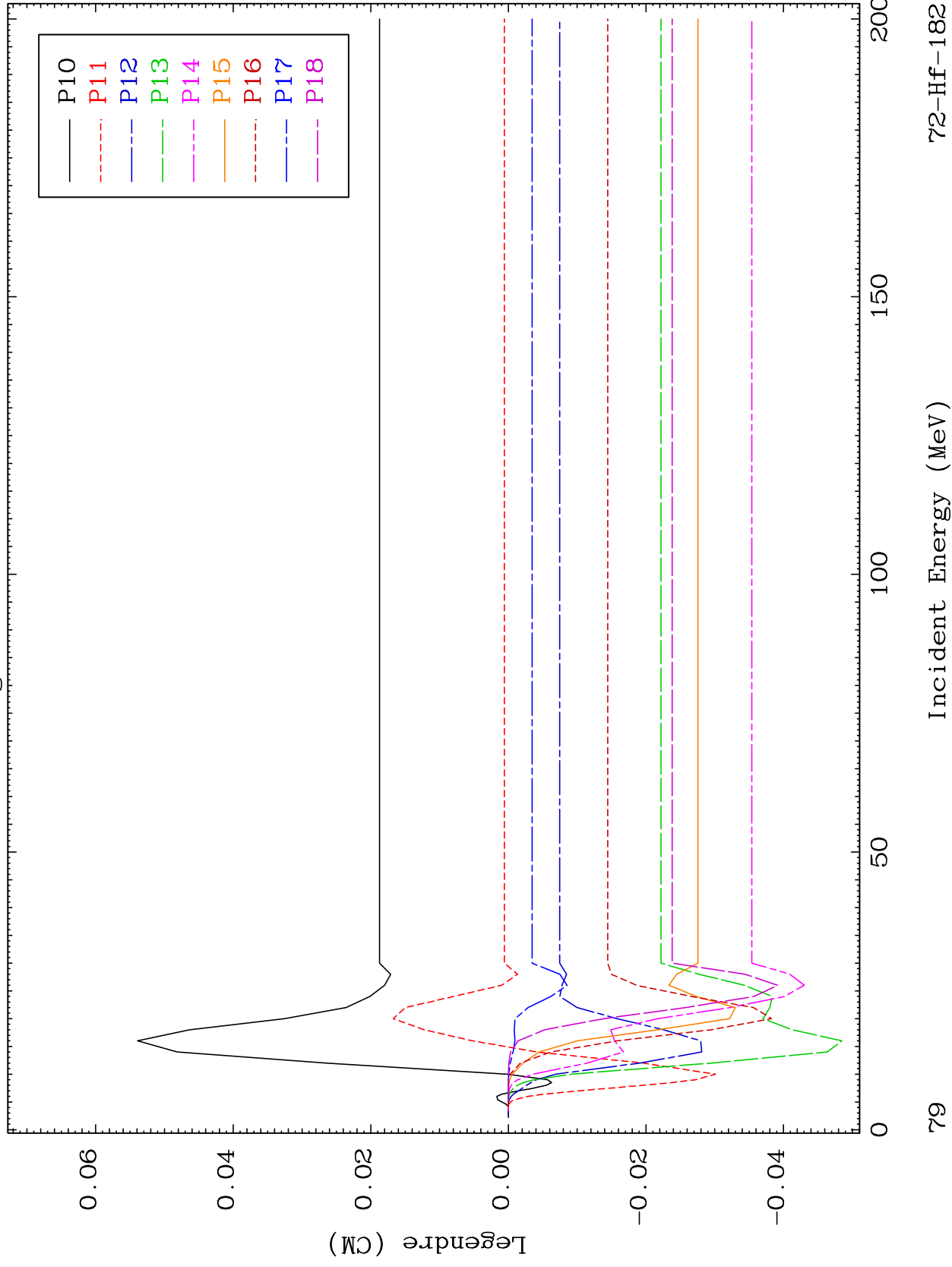
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

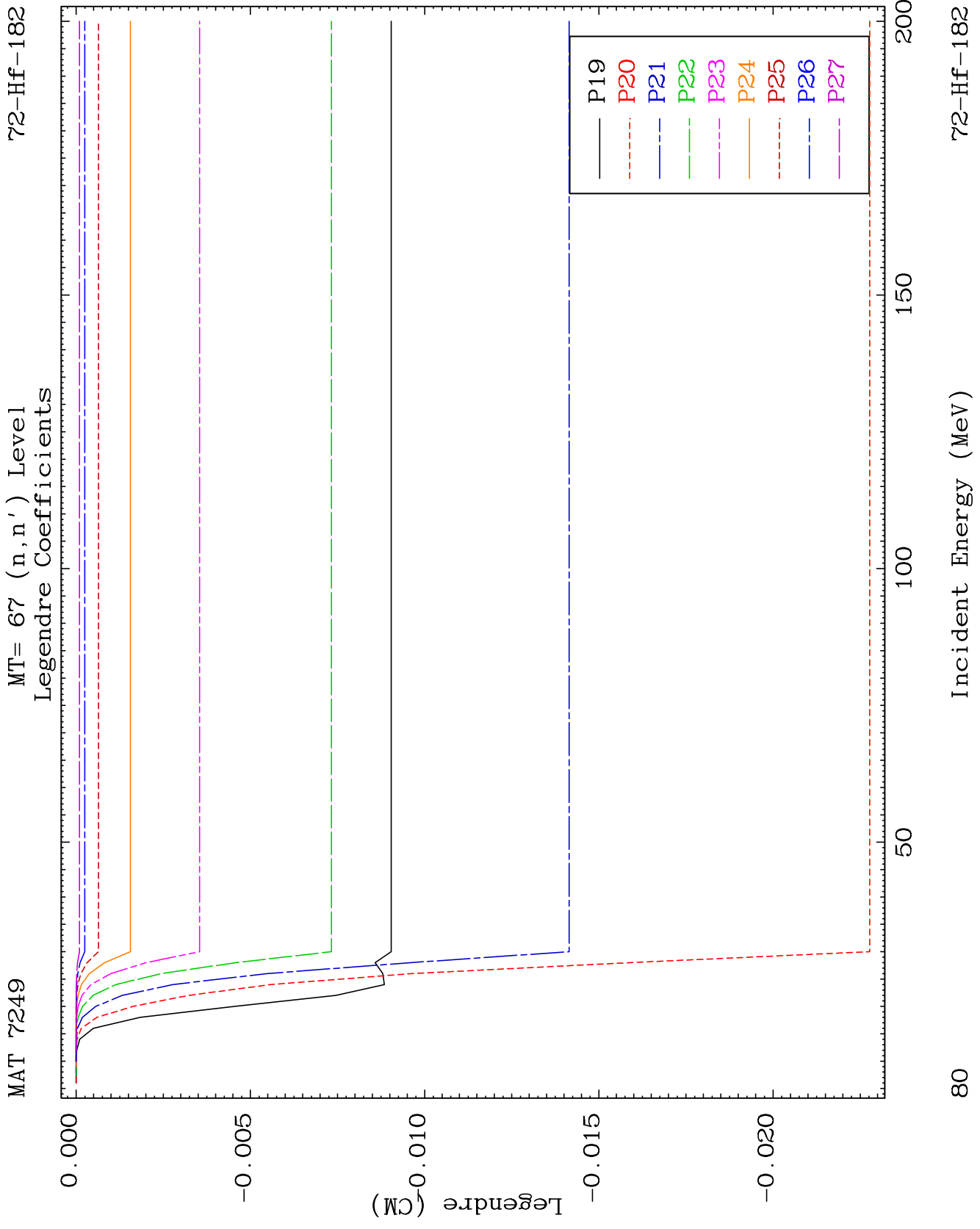
72-Hf-182

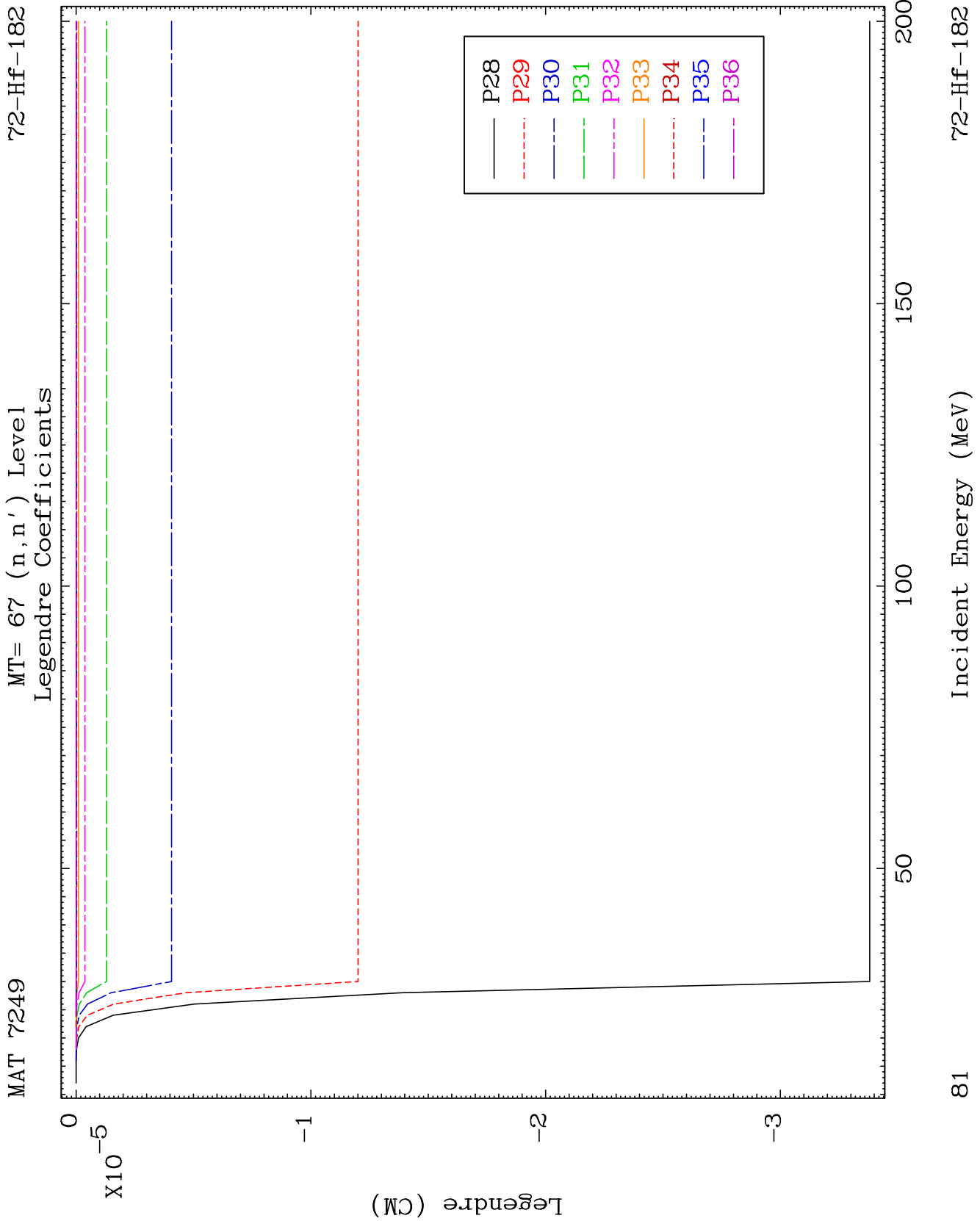


79

Incident Energy (MeV)

72-Hf-182

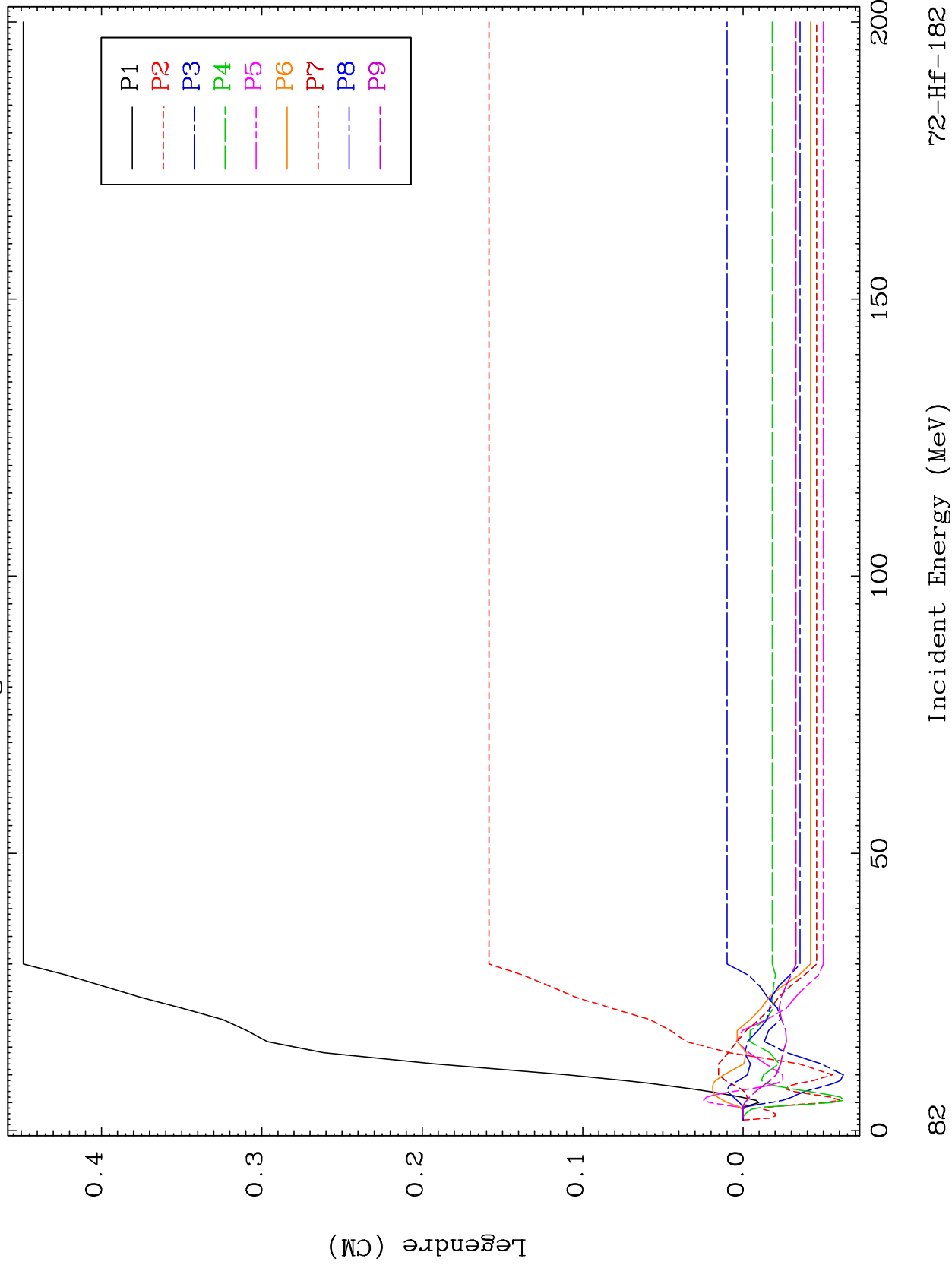




MAT 7249

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

72-Hf-182



72-Hf-182

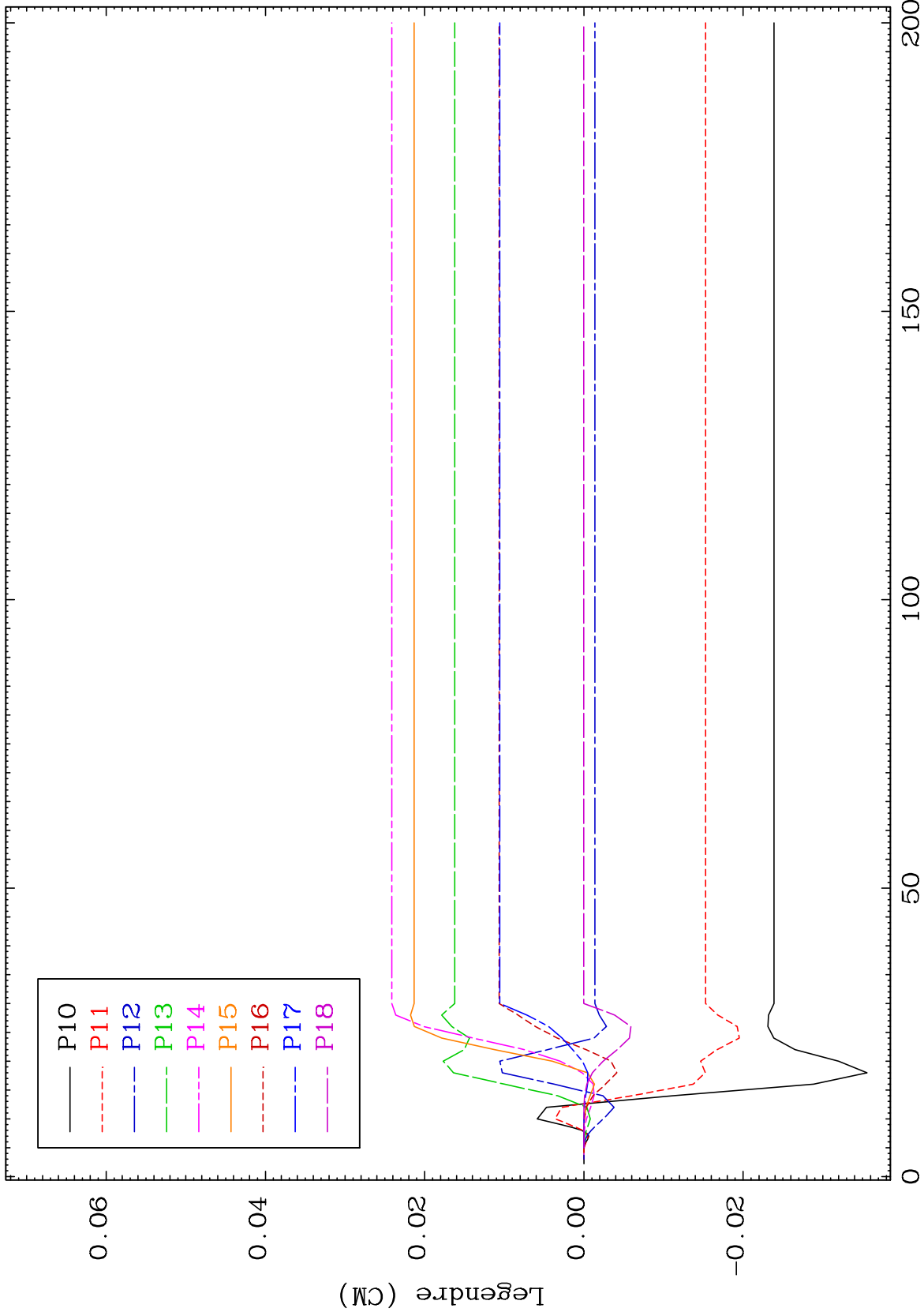
Incident Energy (MeV)

82

MAT 7249

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

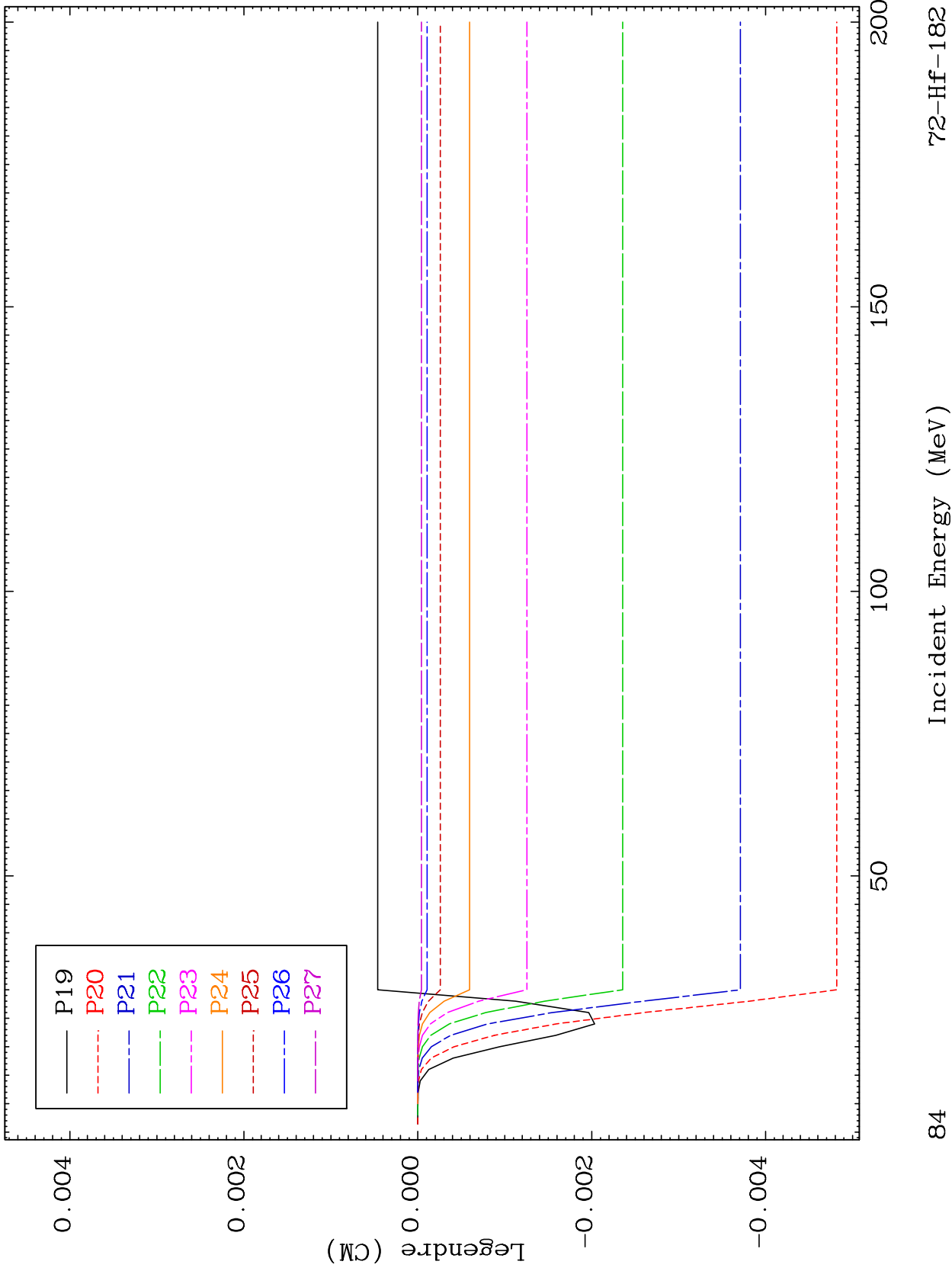
72-Hf-182

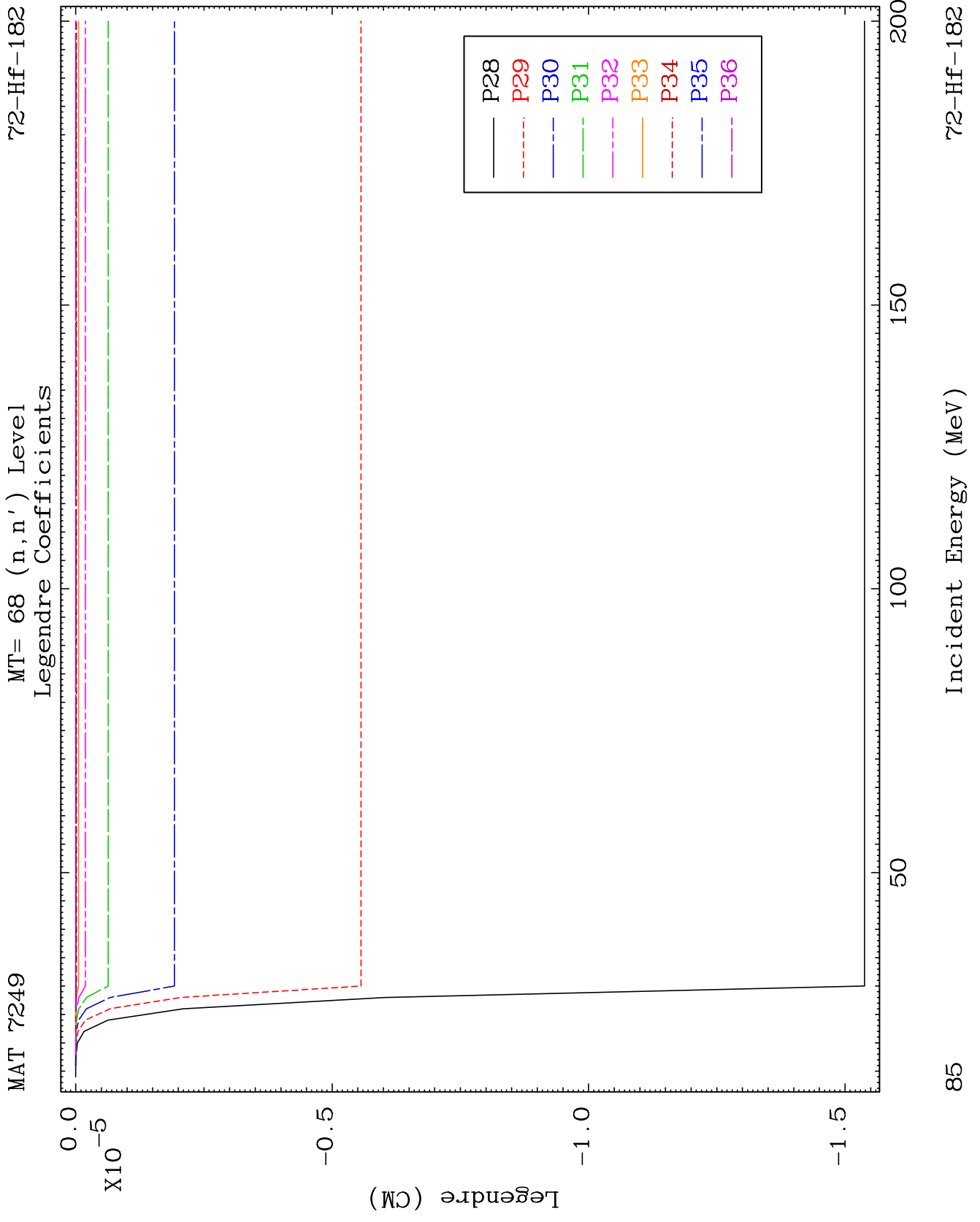


83

Incident Energy (MeV)

72-Hf-182

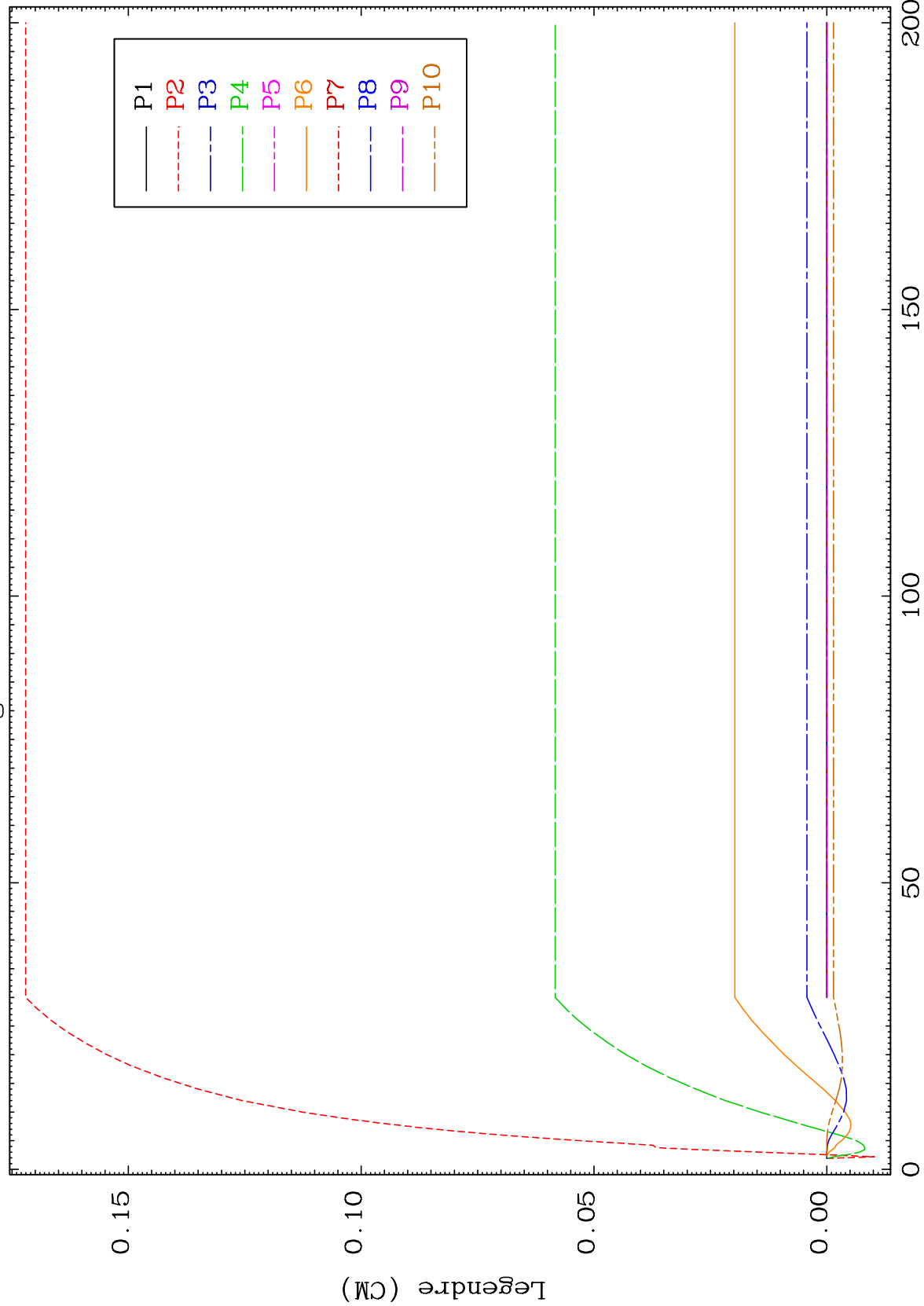




MAT 7249

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

72-Hf-182



86

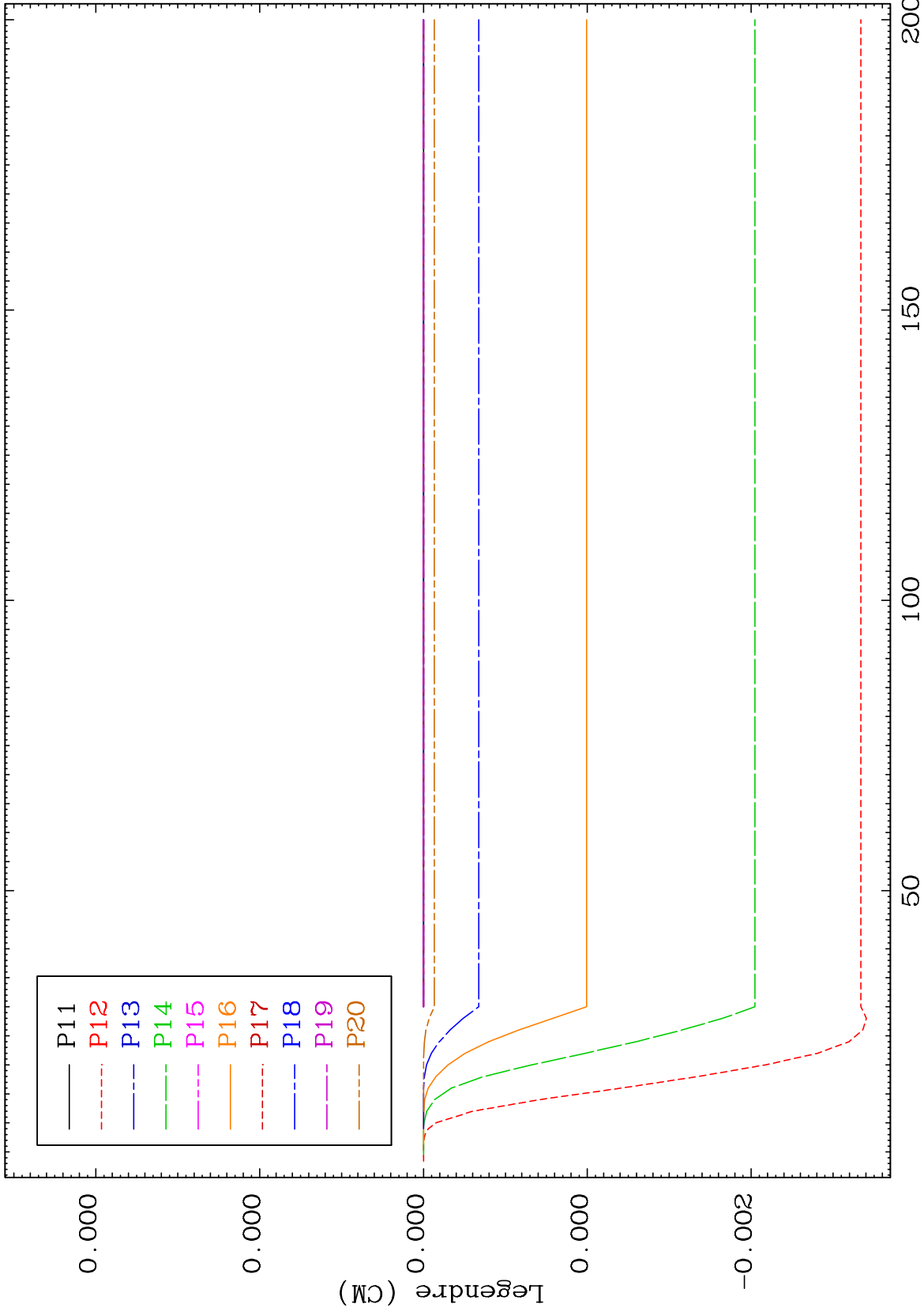
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

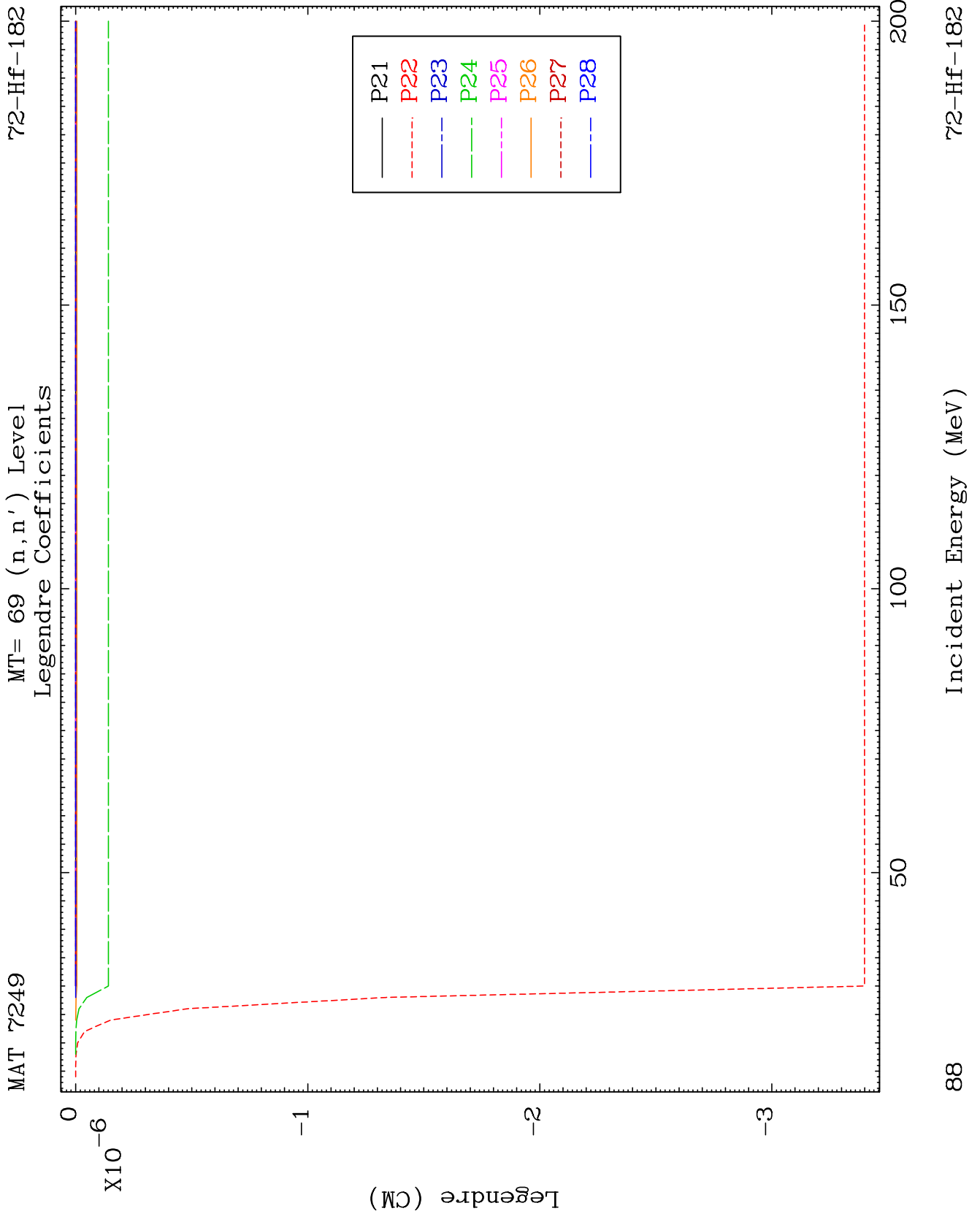
72-Hf-182



87

Incident Energy (MeV)

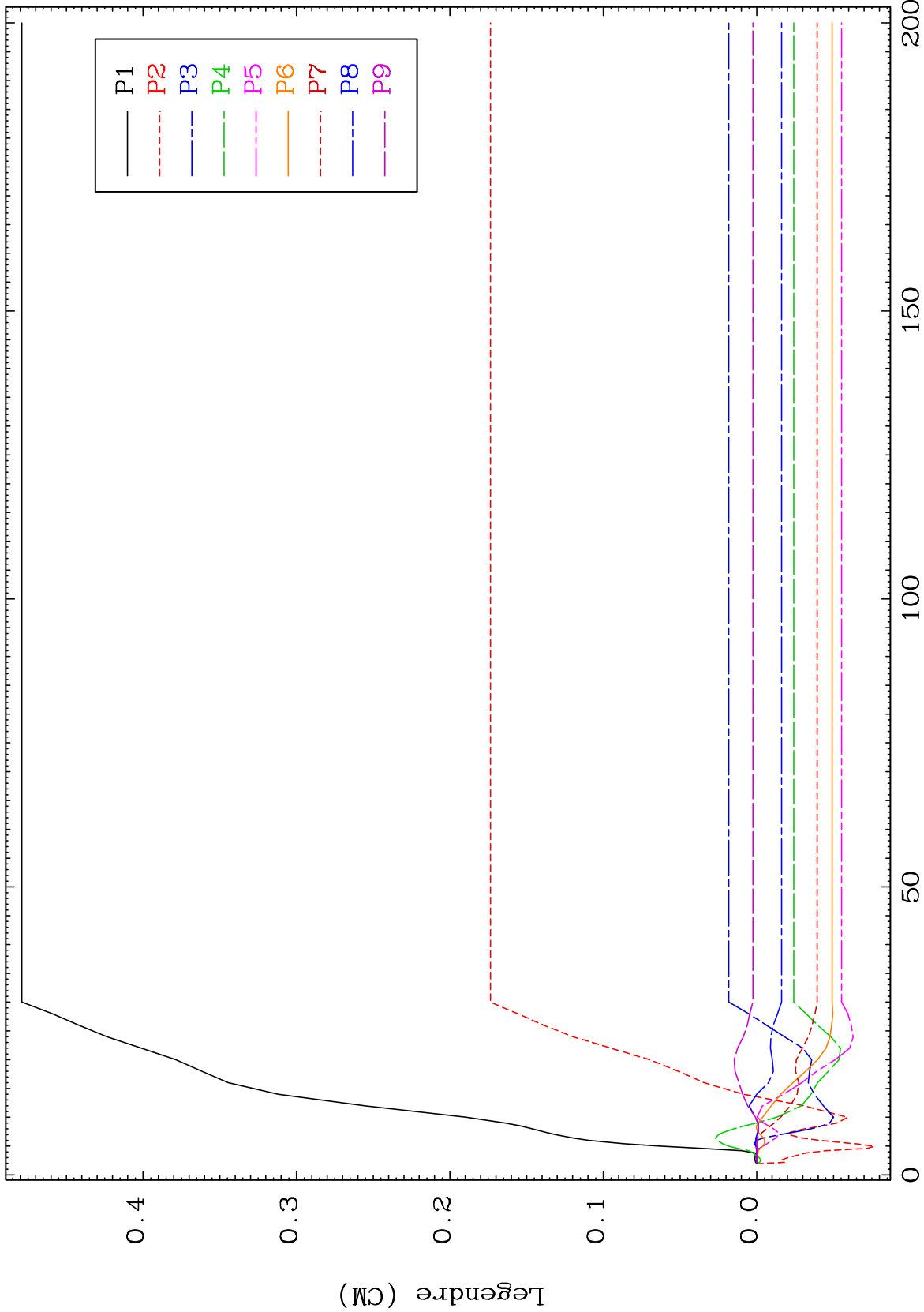
72-Hf-182



MAT 7249

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

72-Hf-182



89

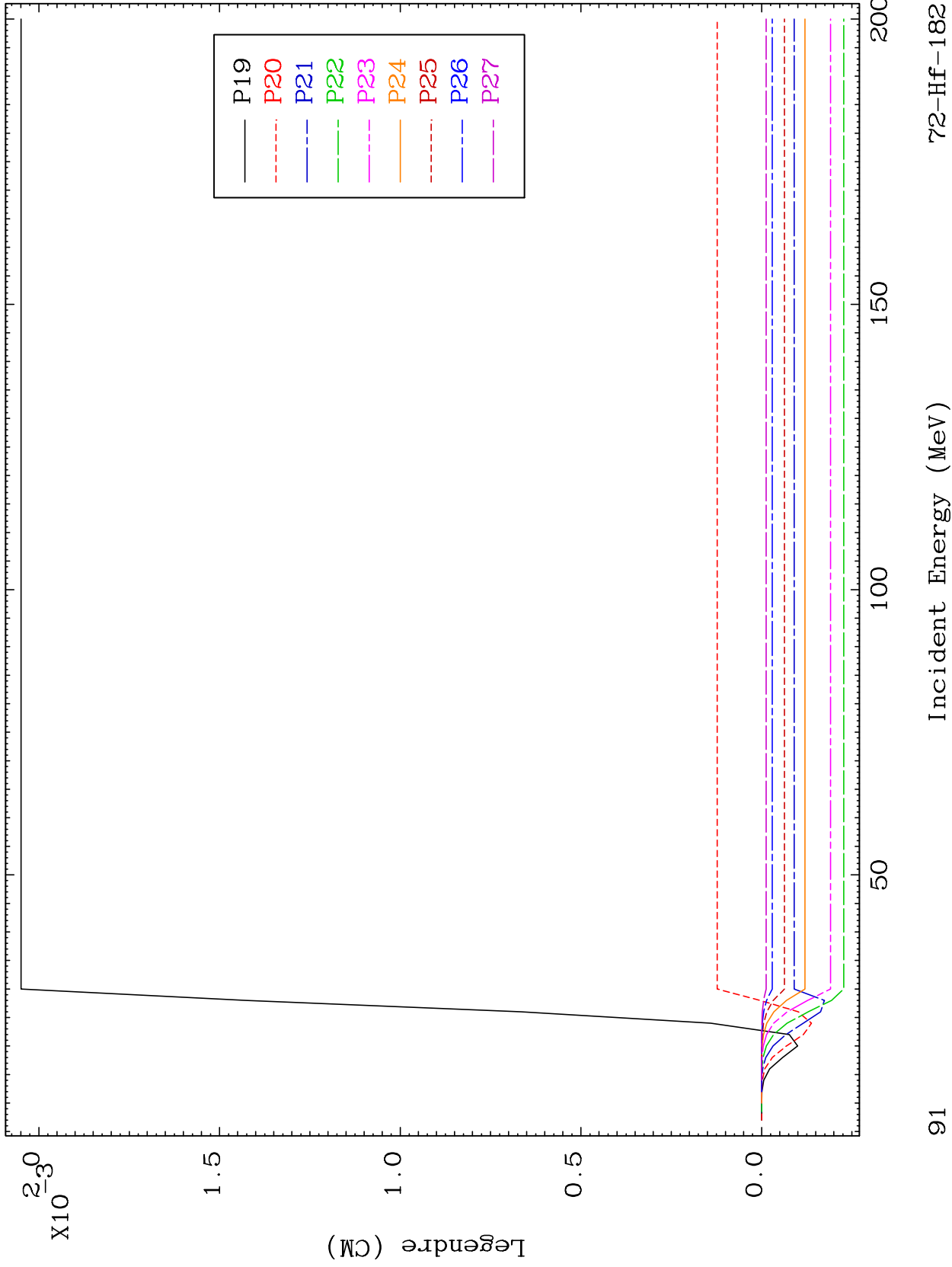
Incident Energy (MeV)

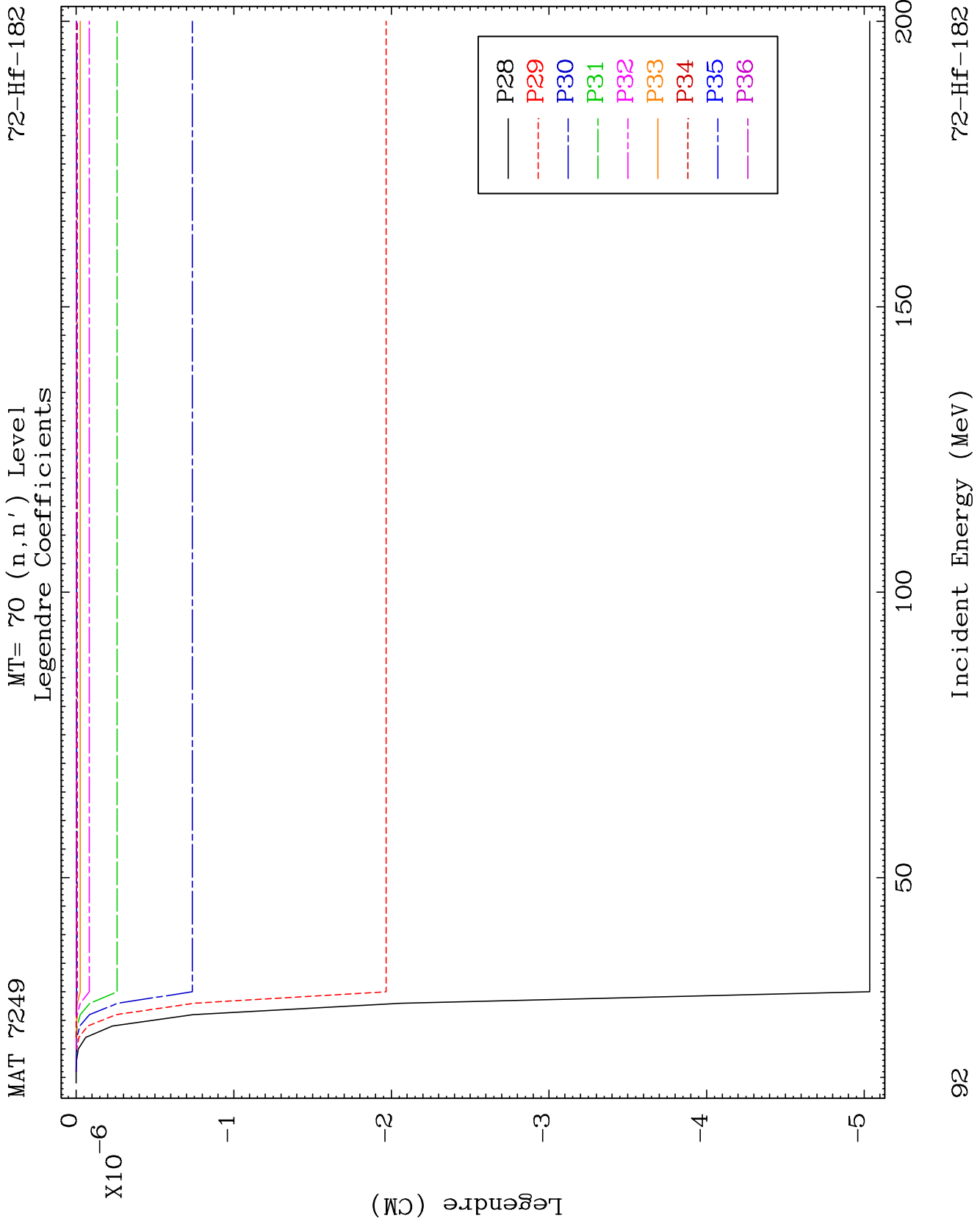
72-Hf-182

MAT 7249

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

72-Hf-182

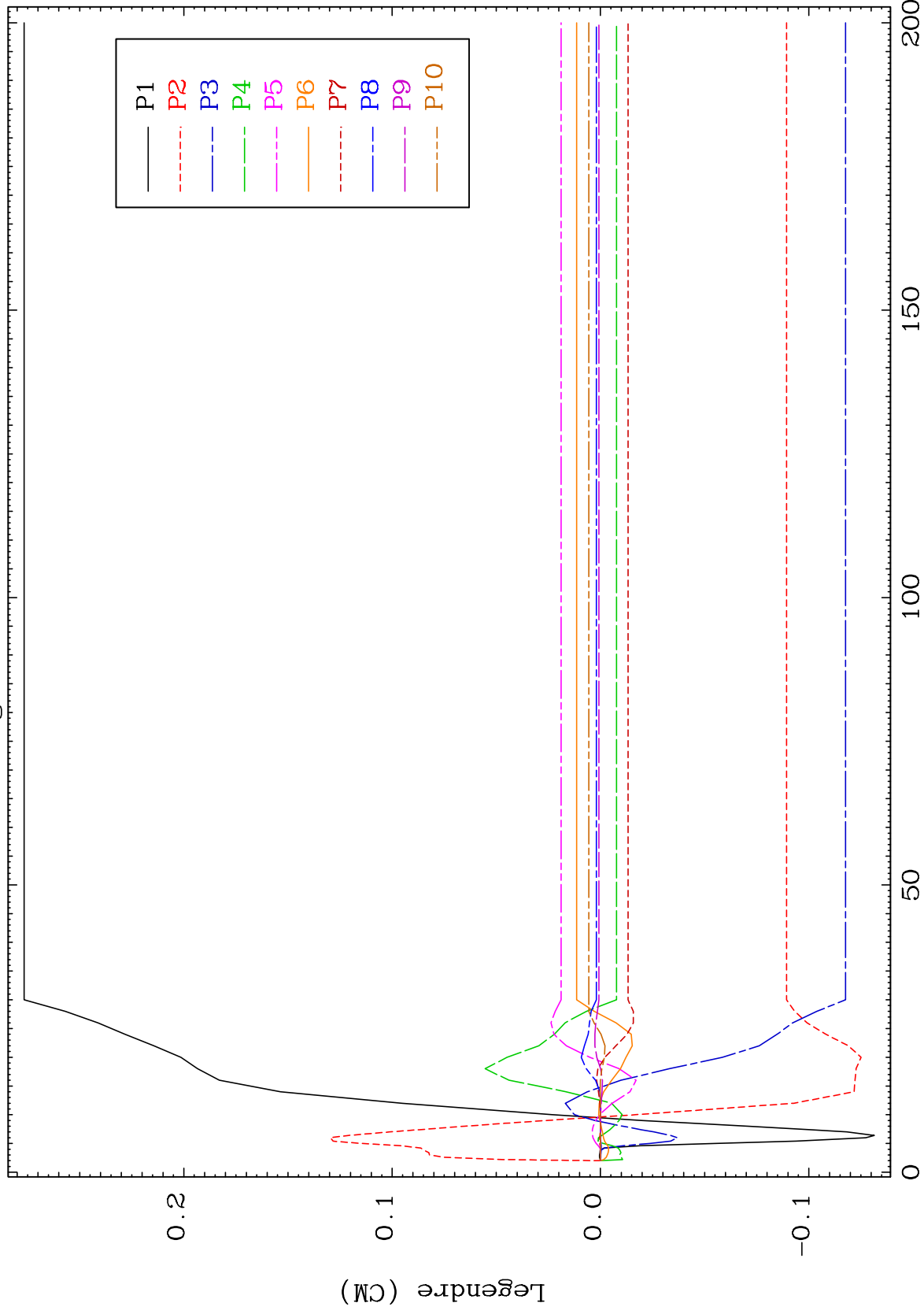




MAT 7249

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

72-Hf-182



93

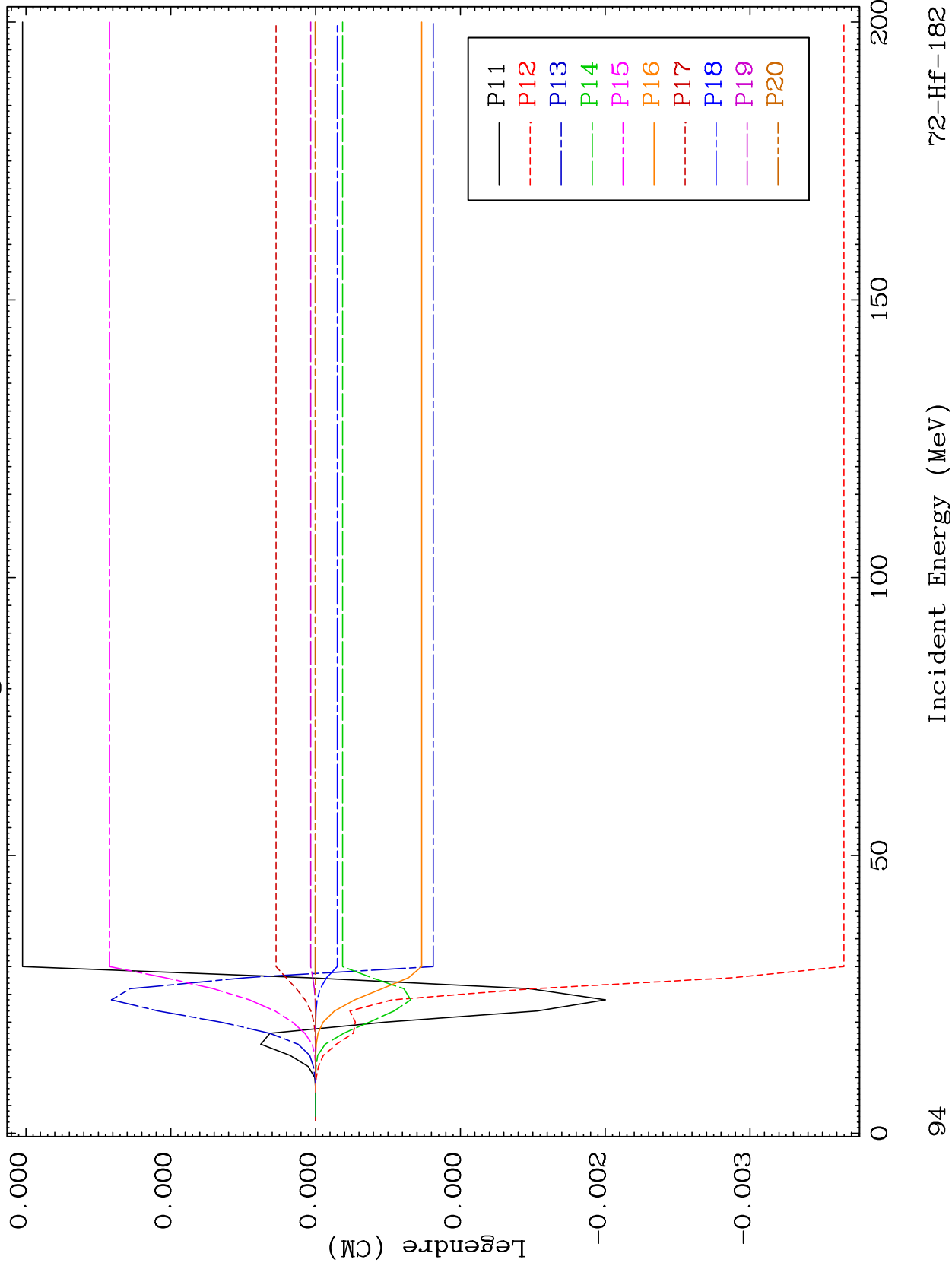
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

72-Hf-182



94

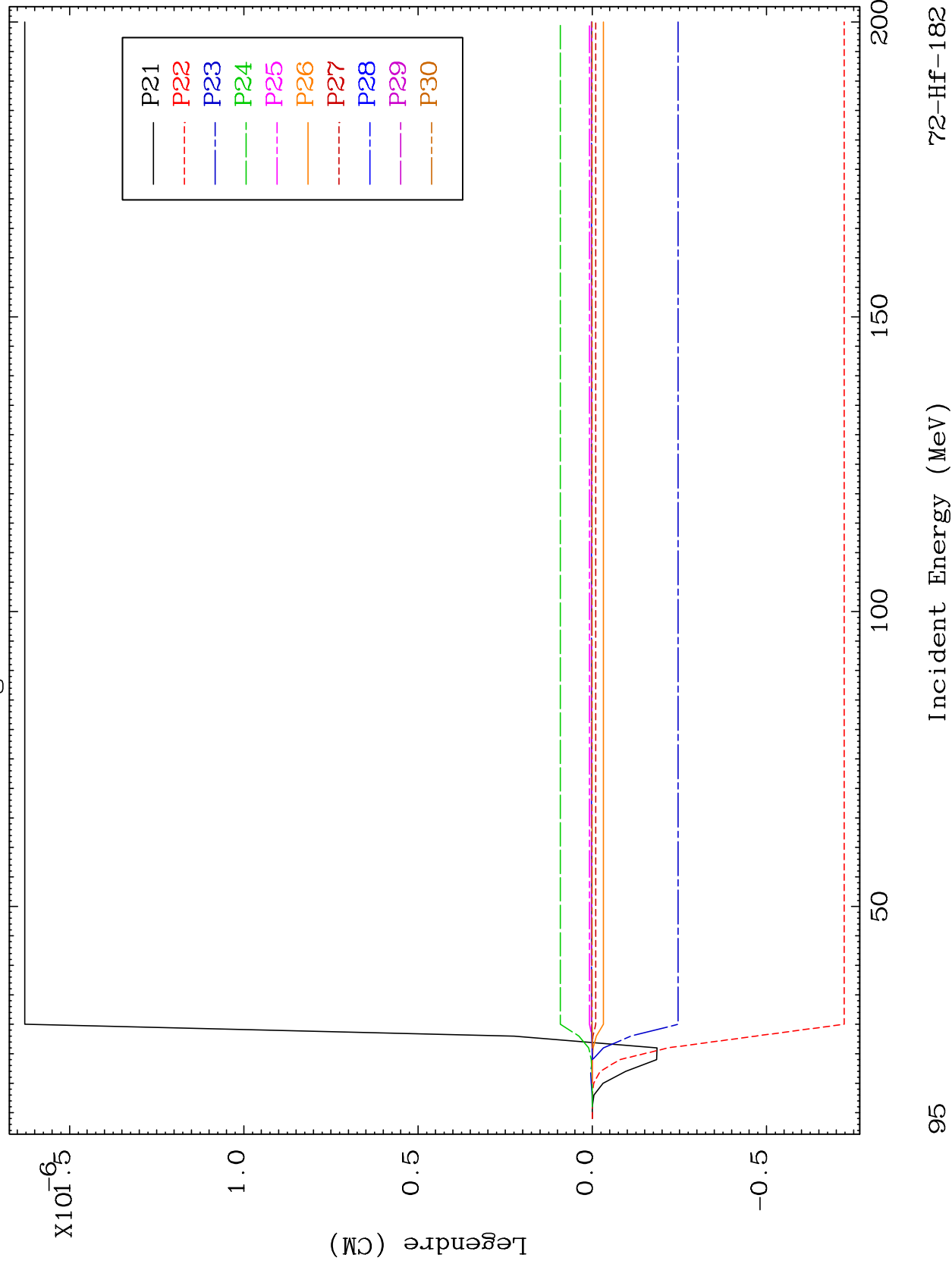
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

72-Hf-182



95

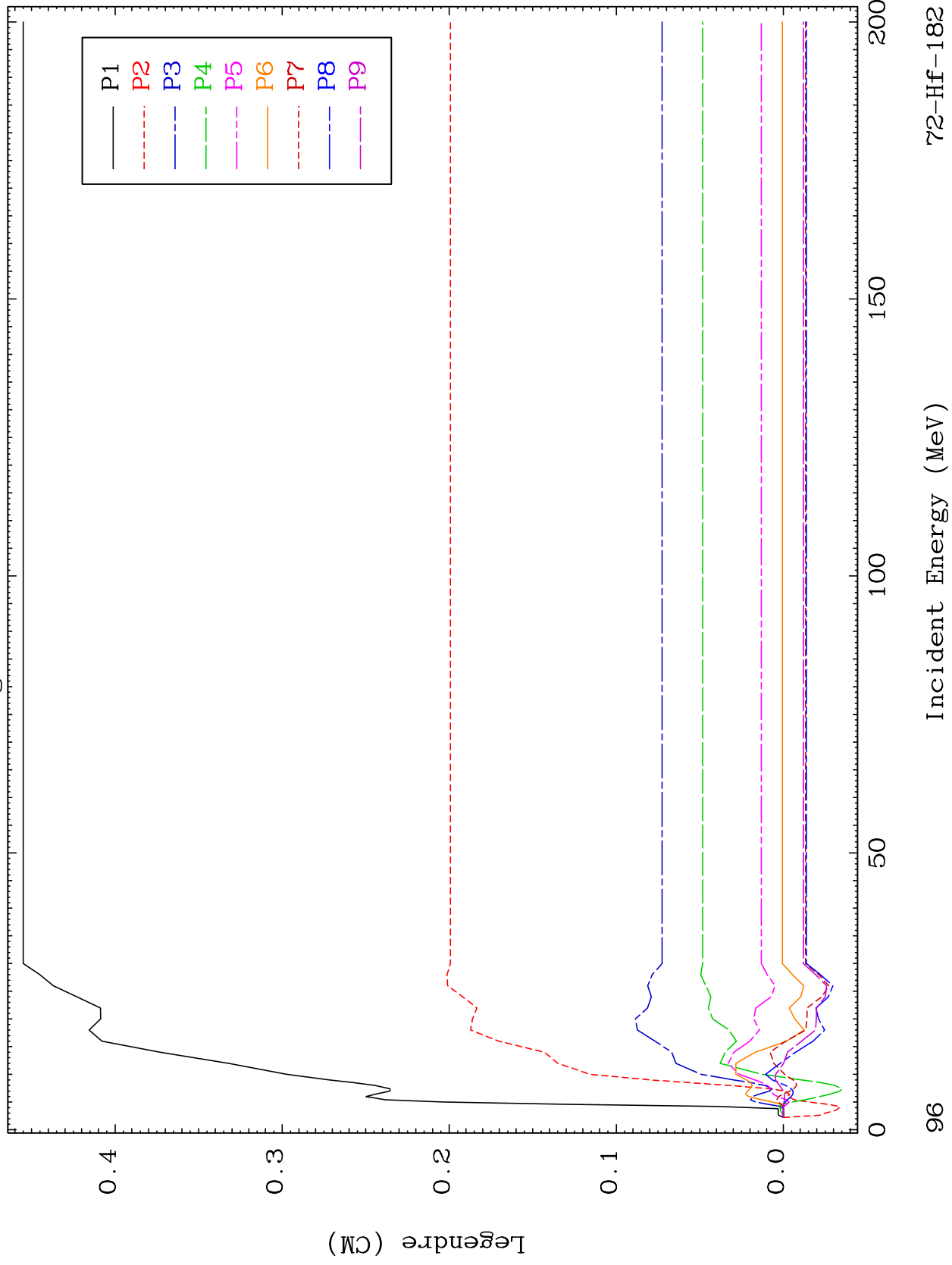
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

72-Hf-182



72-Hf-182

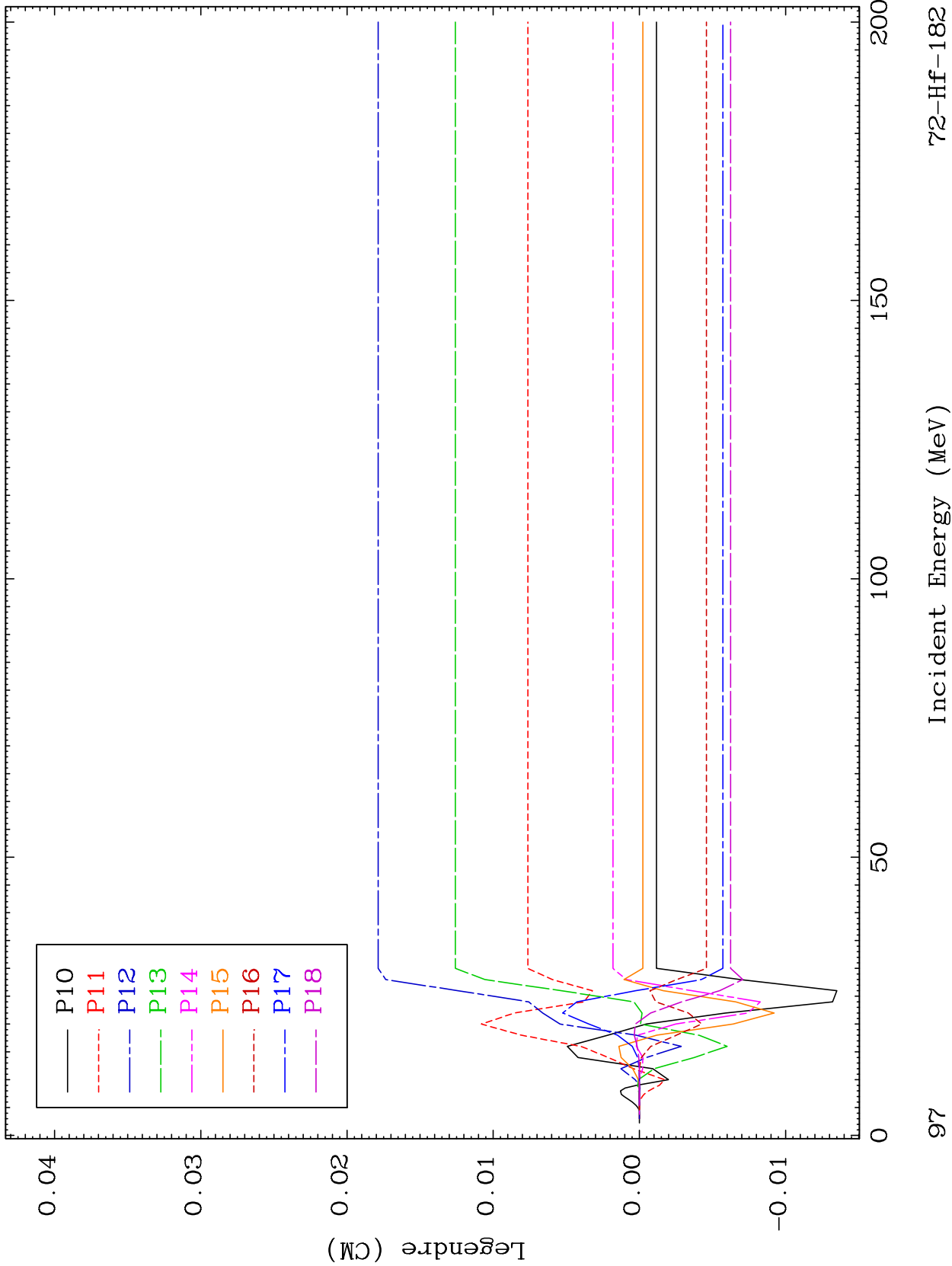
Incident Energy (MeV)

96

MAT 7249

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

72-Hf-182



97

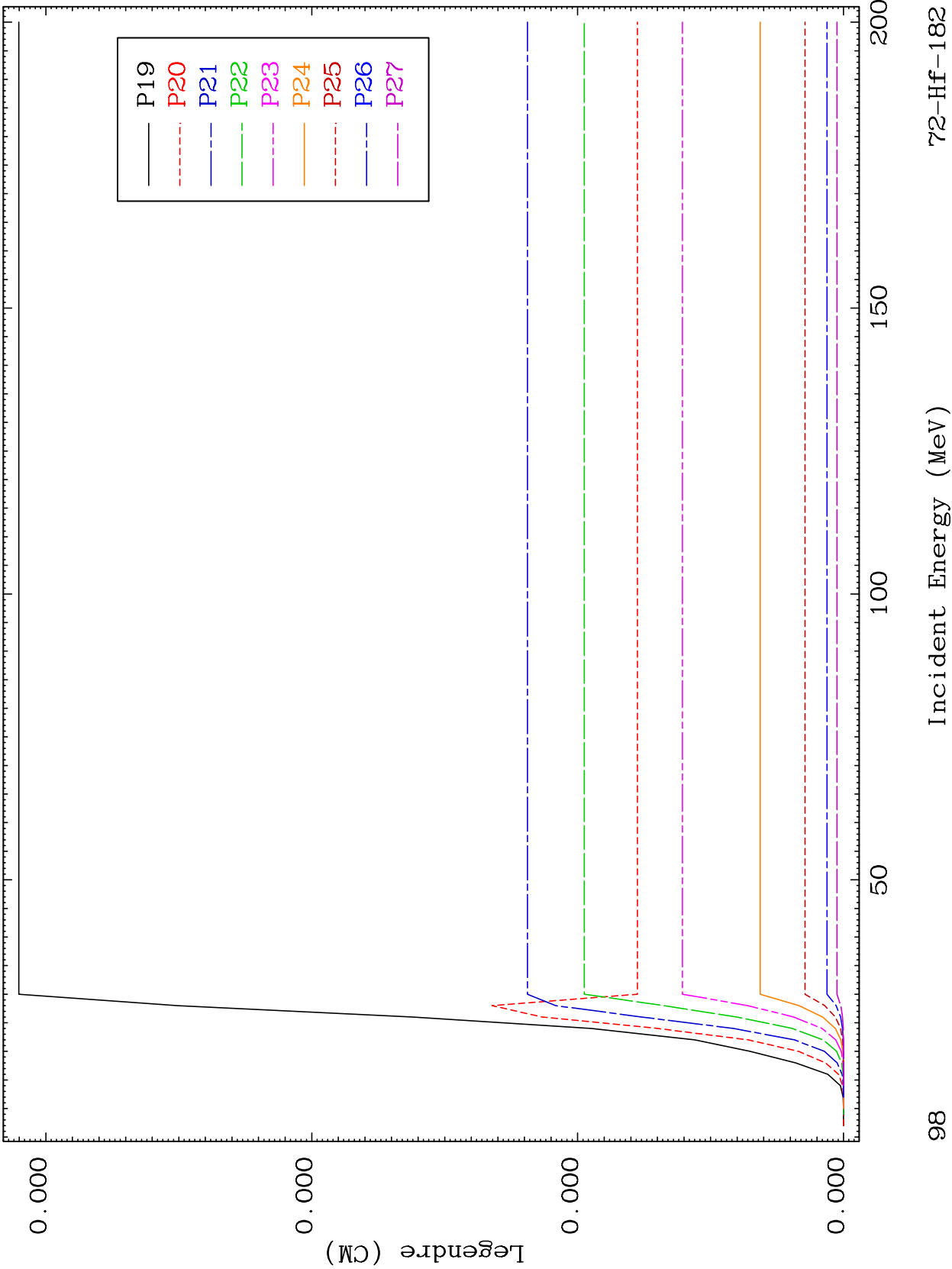
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

72-Hf-182



98

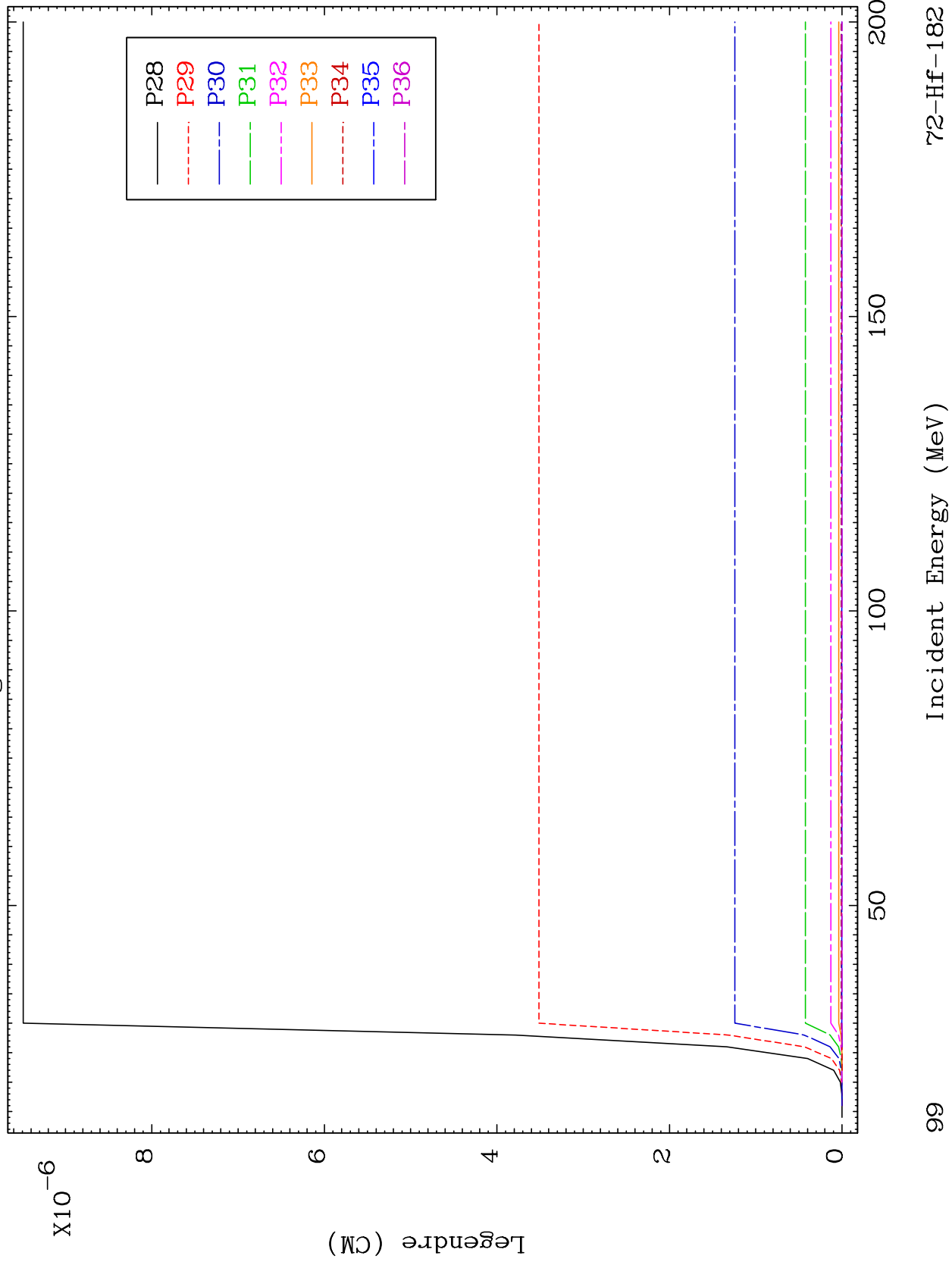
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

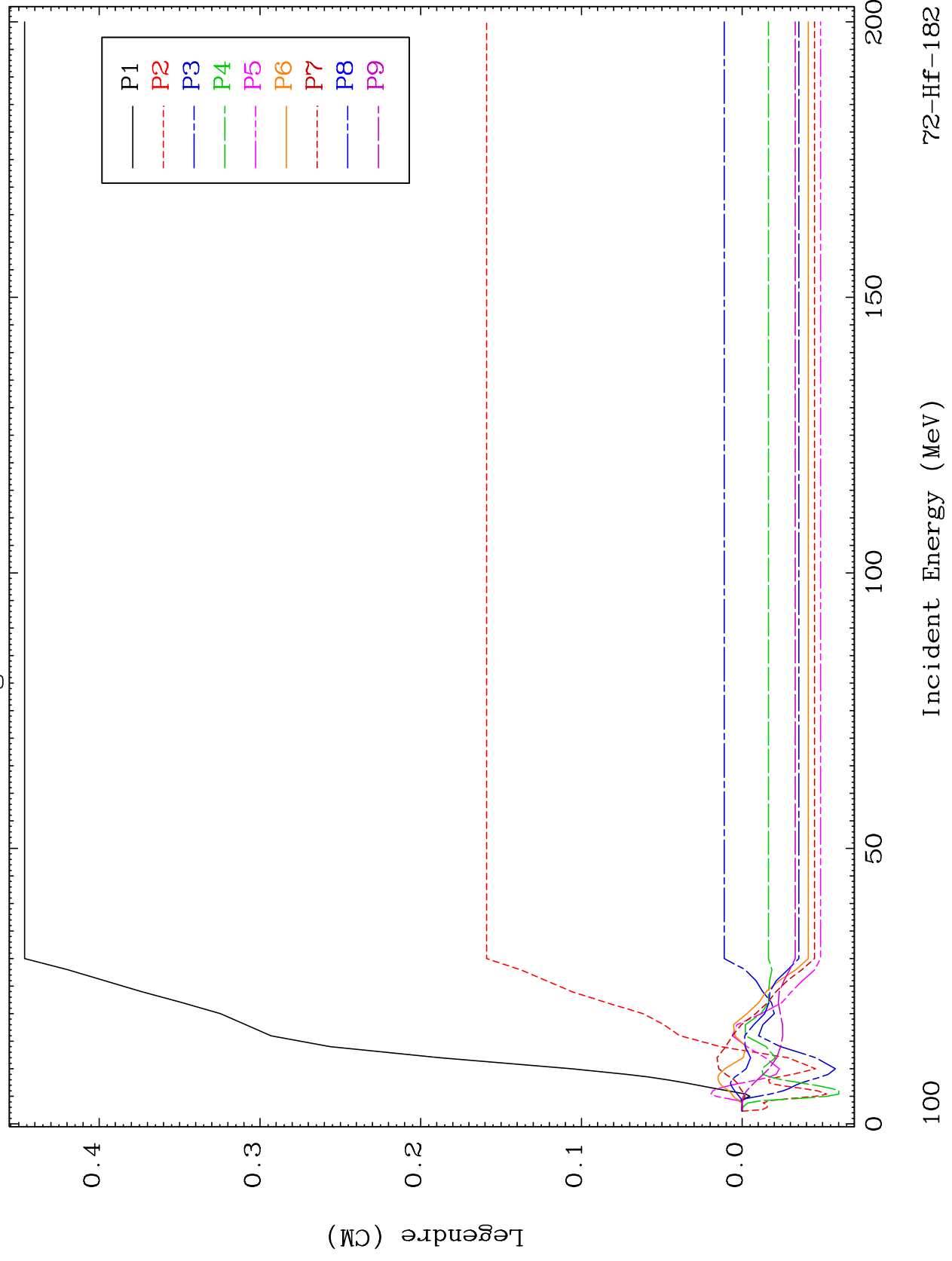
72-Hf-182



MAT 7249

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

72-Hf-182



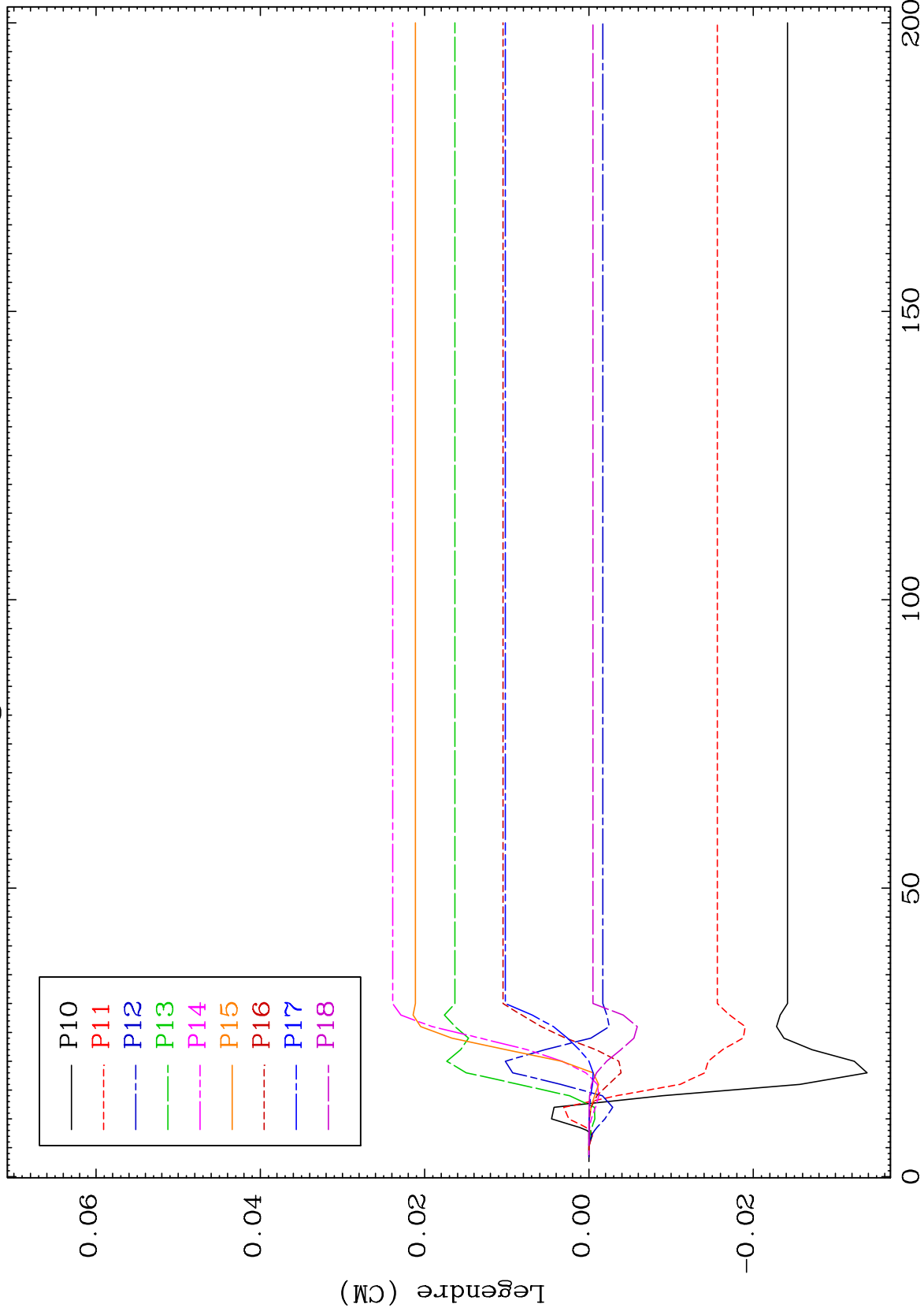
72-Hf-182

Incident Energy (MeV)

MAT 7249

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

72-Hf-182



101

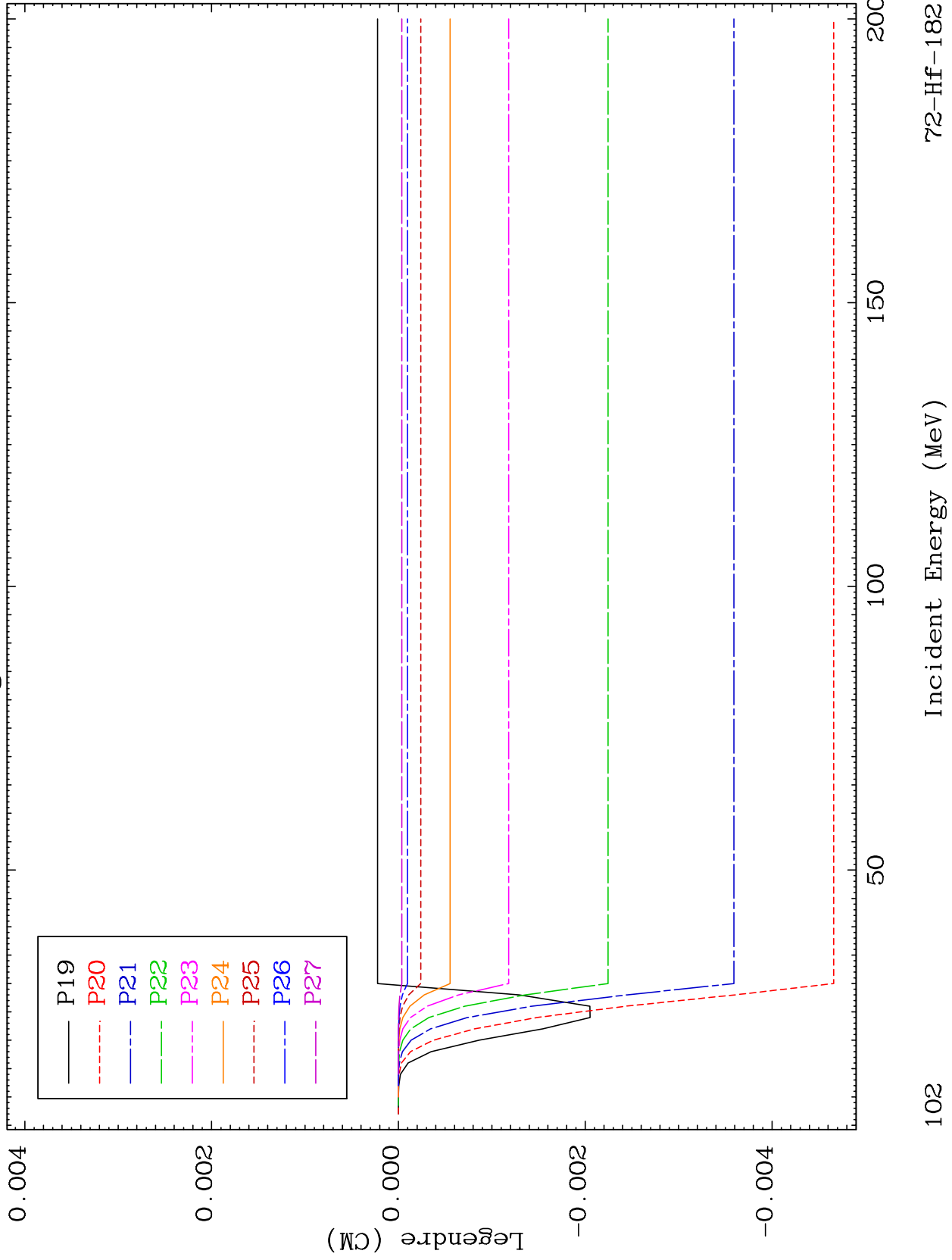
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

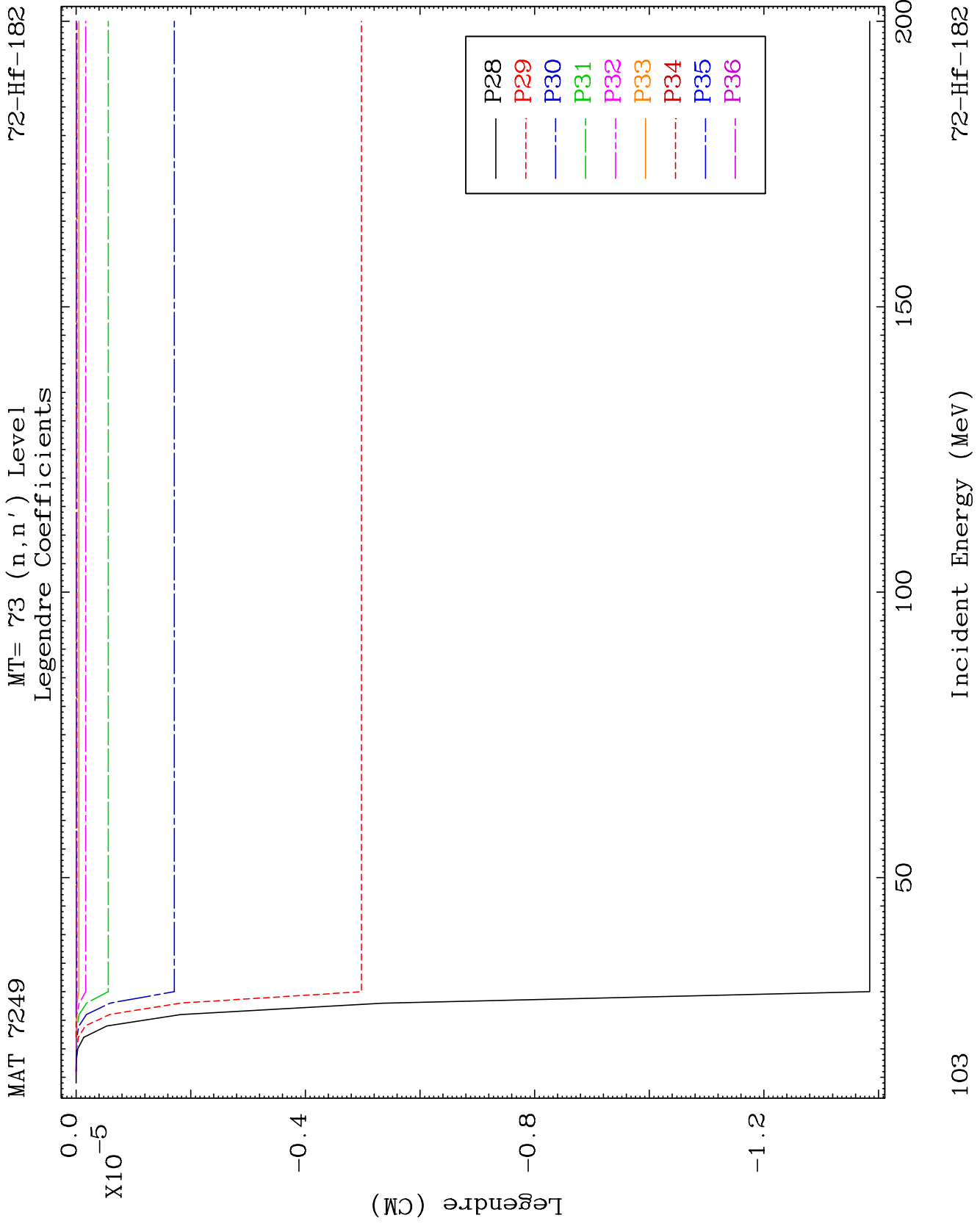
72-Hf-182



102

Incident Energy (MeV)

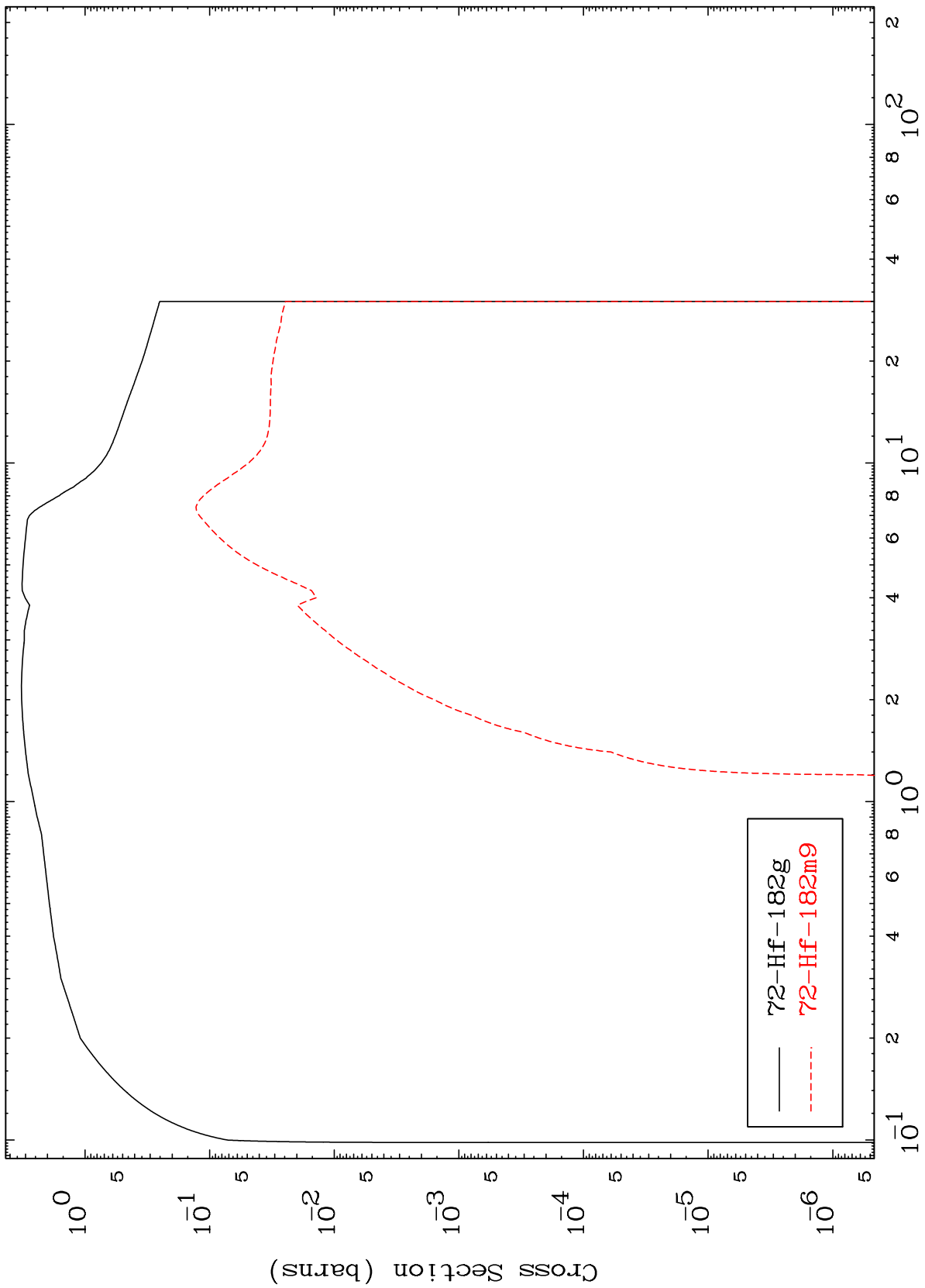
72-Hf-182



MAT 7249

72-Hf-182

Inelastic
Radionuclide Production Cross Section



— 72-Hf-182g
- - - 72-Hf-182m9

72-Hf-182

Incident Energy (MeV)

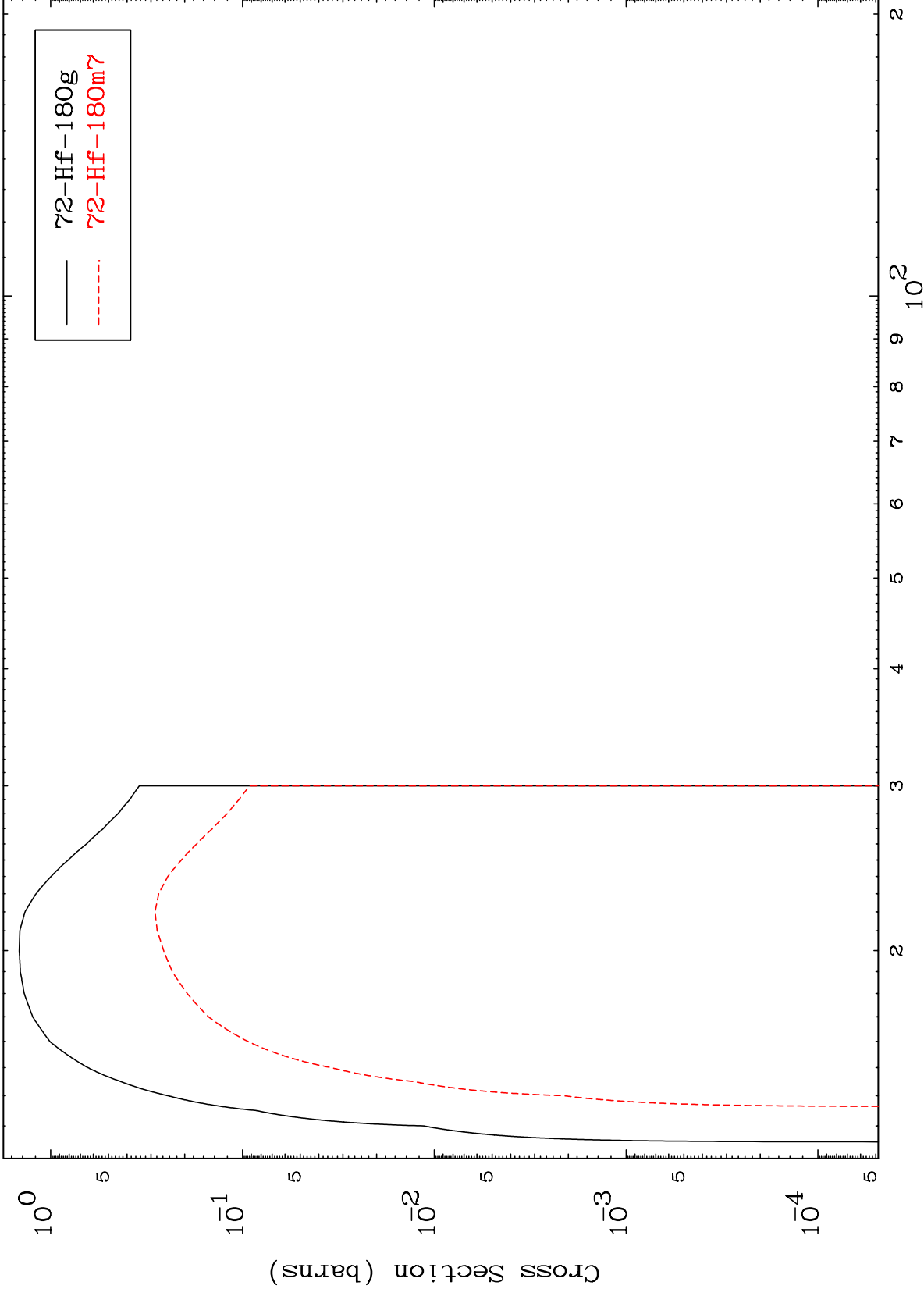
104

MAT 7249

(n,3n)

72-Hf-182

Radionuclide Production Cross Section



72-Hf-180g
72-Hf-180m7

105

Incident Energy (MeV)

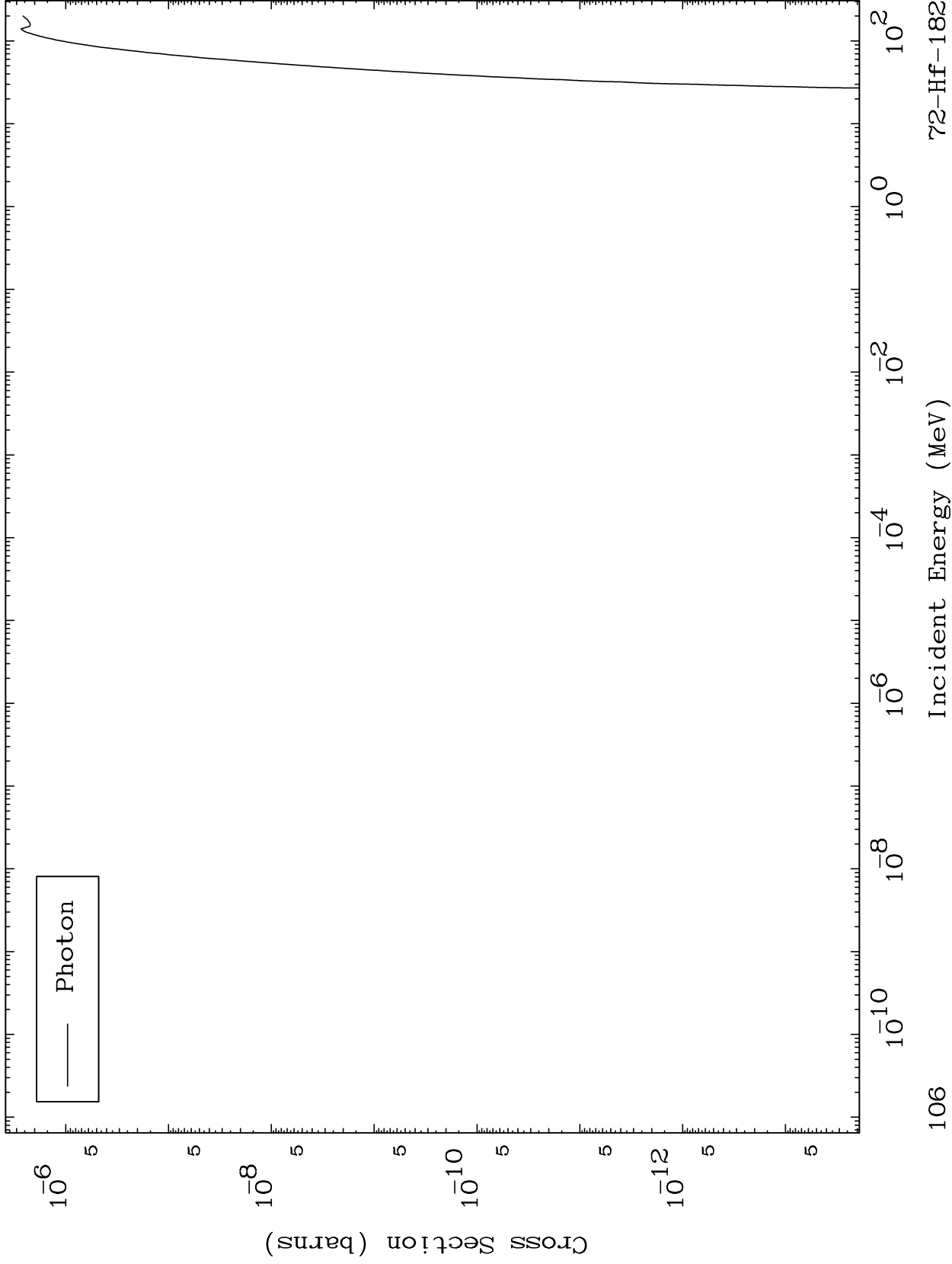
72-Hf-182

MAT 7249

Fission

72-Hf-182

Radionuclide Production Cross Section



106

Incident Energy (MeV)

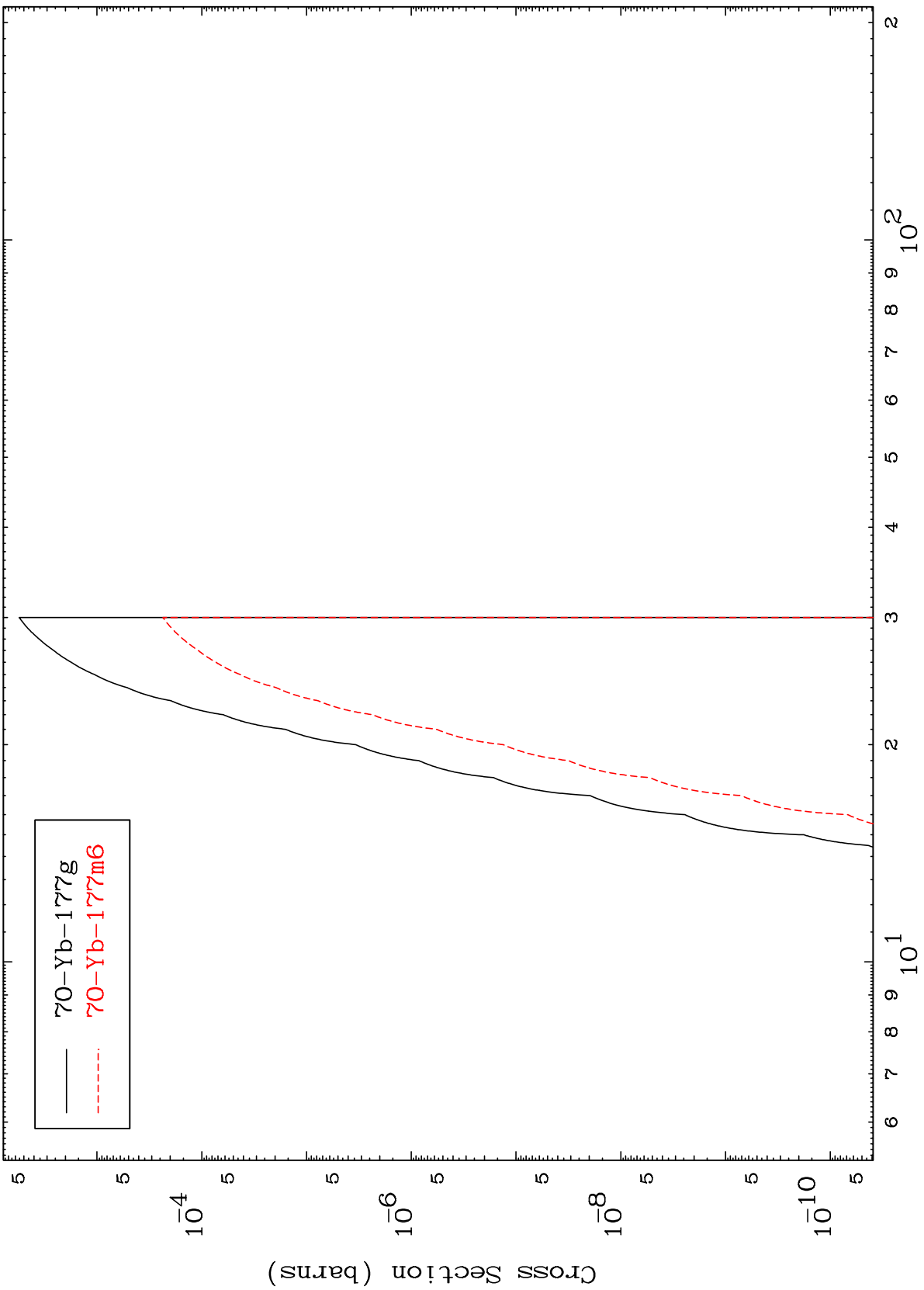
72-Hf-182

MAT 7249

(n,2n) α

72-Hf-182

Radionuclide Production Cross Section



70-Yb-177g
70-Yb-177m6

107

Incident Energy (MeV)

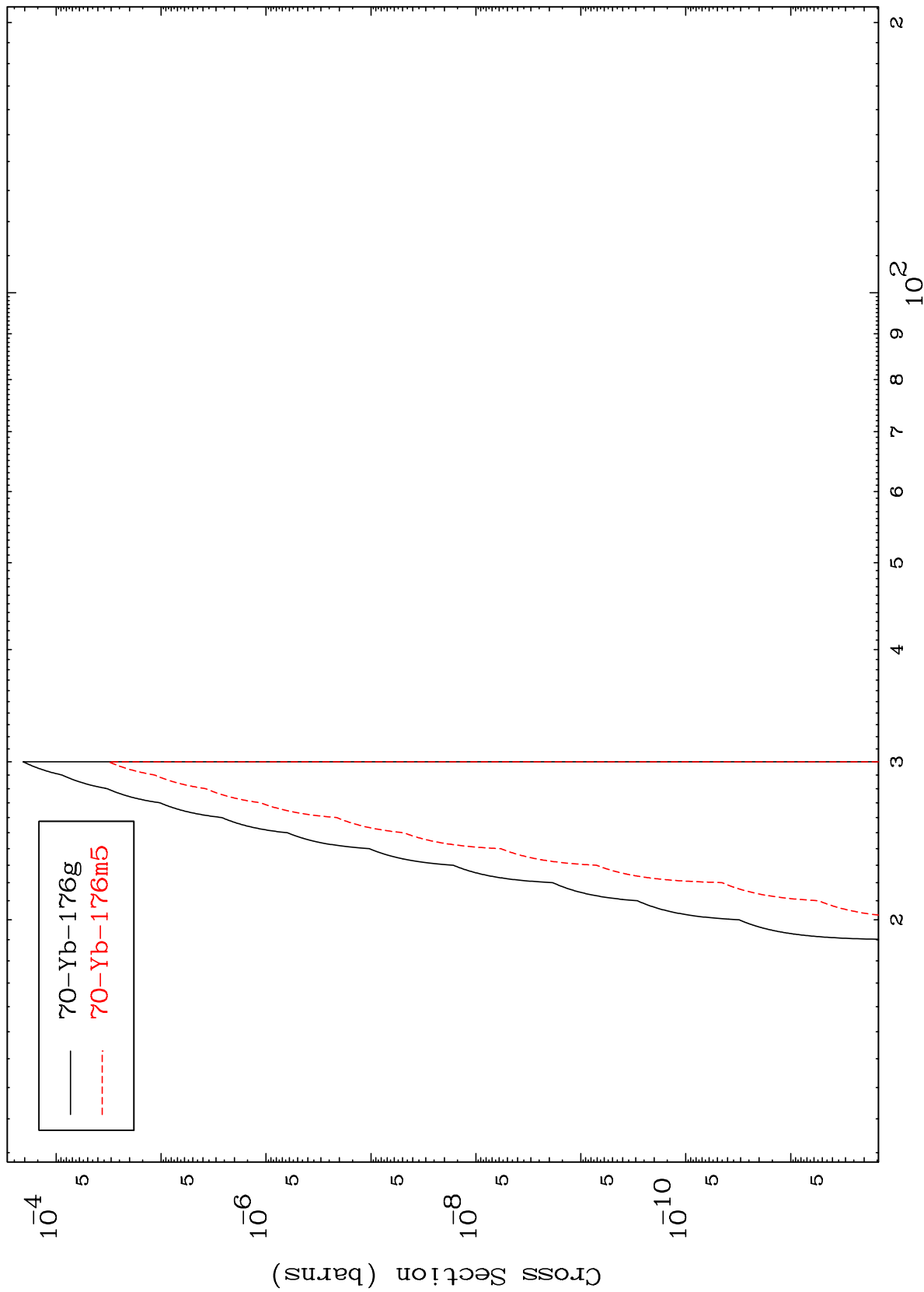
72-Hf-182

MAT 7249

(n,3n) α

72-Hf-182

Radionuclide Production Cross Section



70-Yb-176g
70-Yb-176m5

108

Incident Energy (MeV)

72-Hf-182

