

Program EVALPLOT
(Version 2021-1)

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

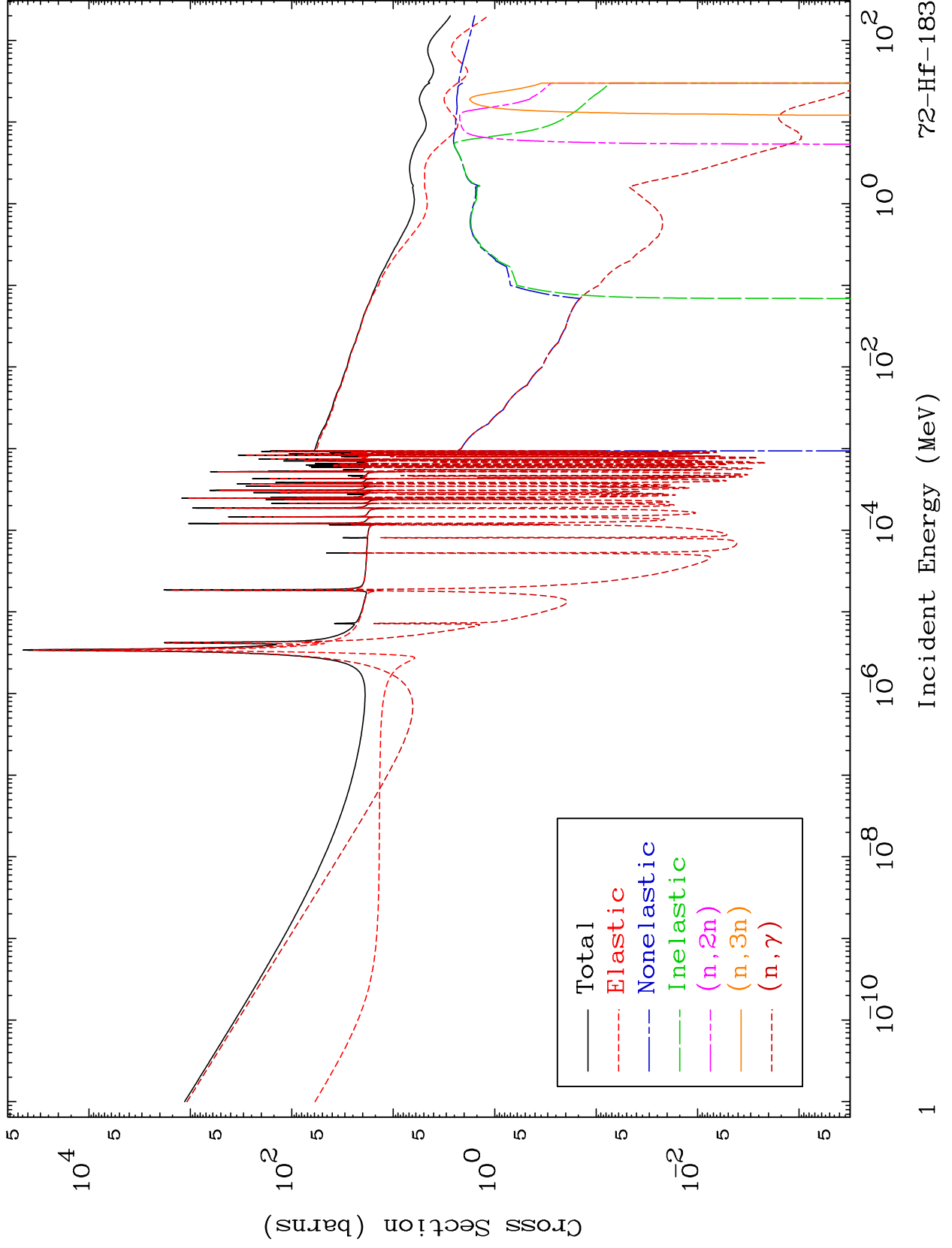
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7252

Neutron Major
293 Kelvin Cross Sections

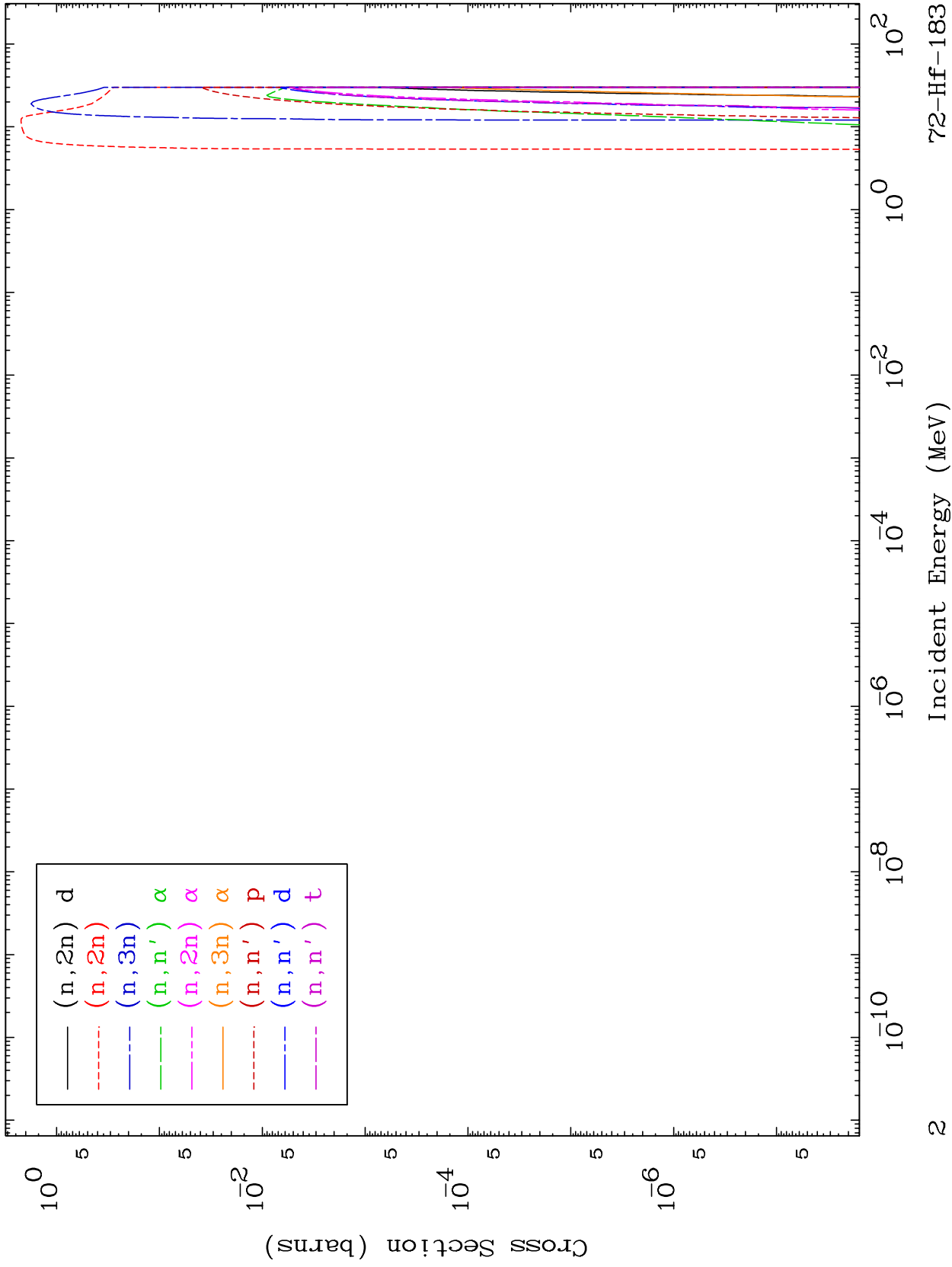
72-Hf-183

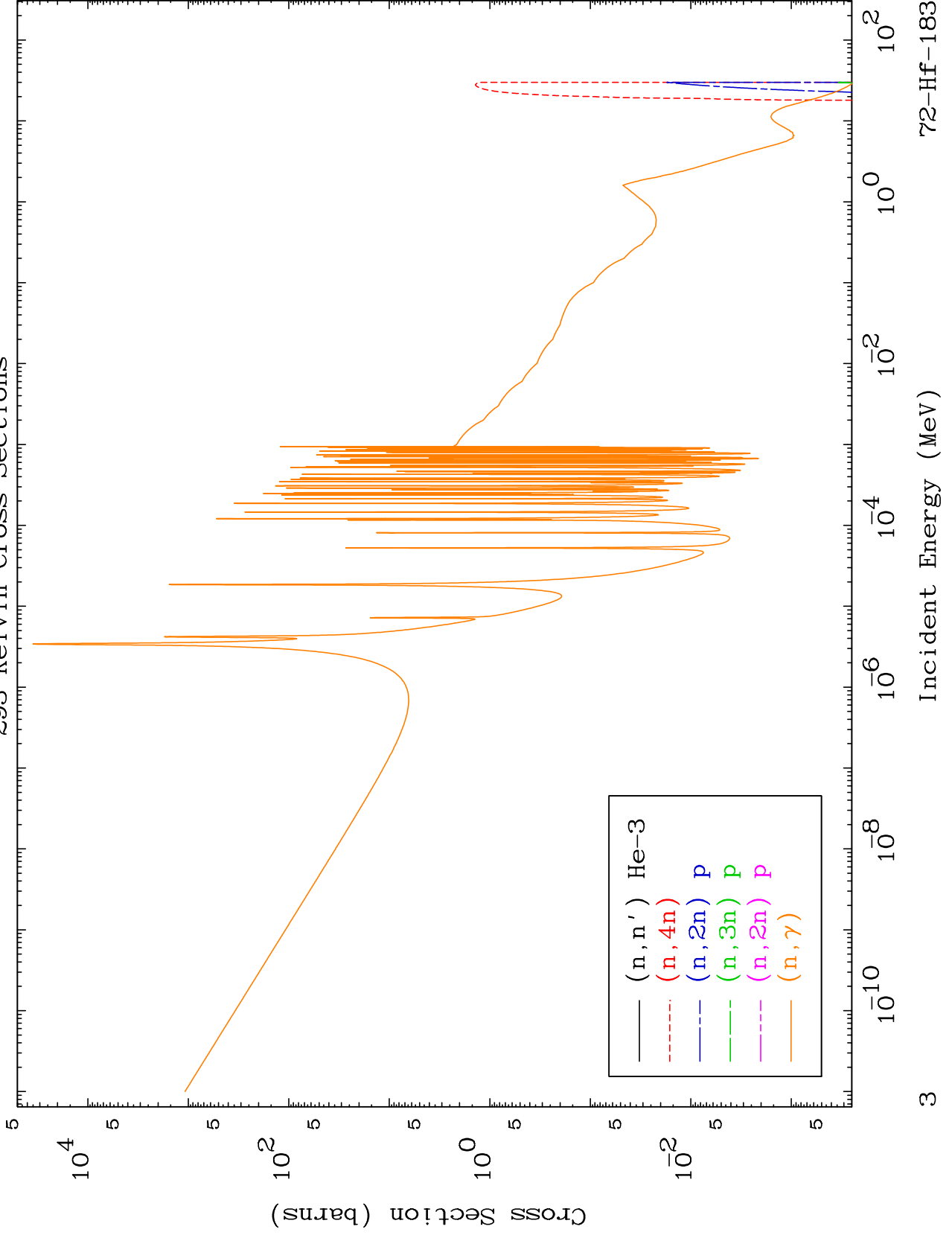


MAT 7252

Neutron Absorption
293 Kelvin Cross Sections

72-Hf-183

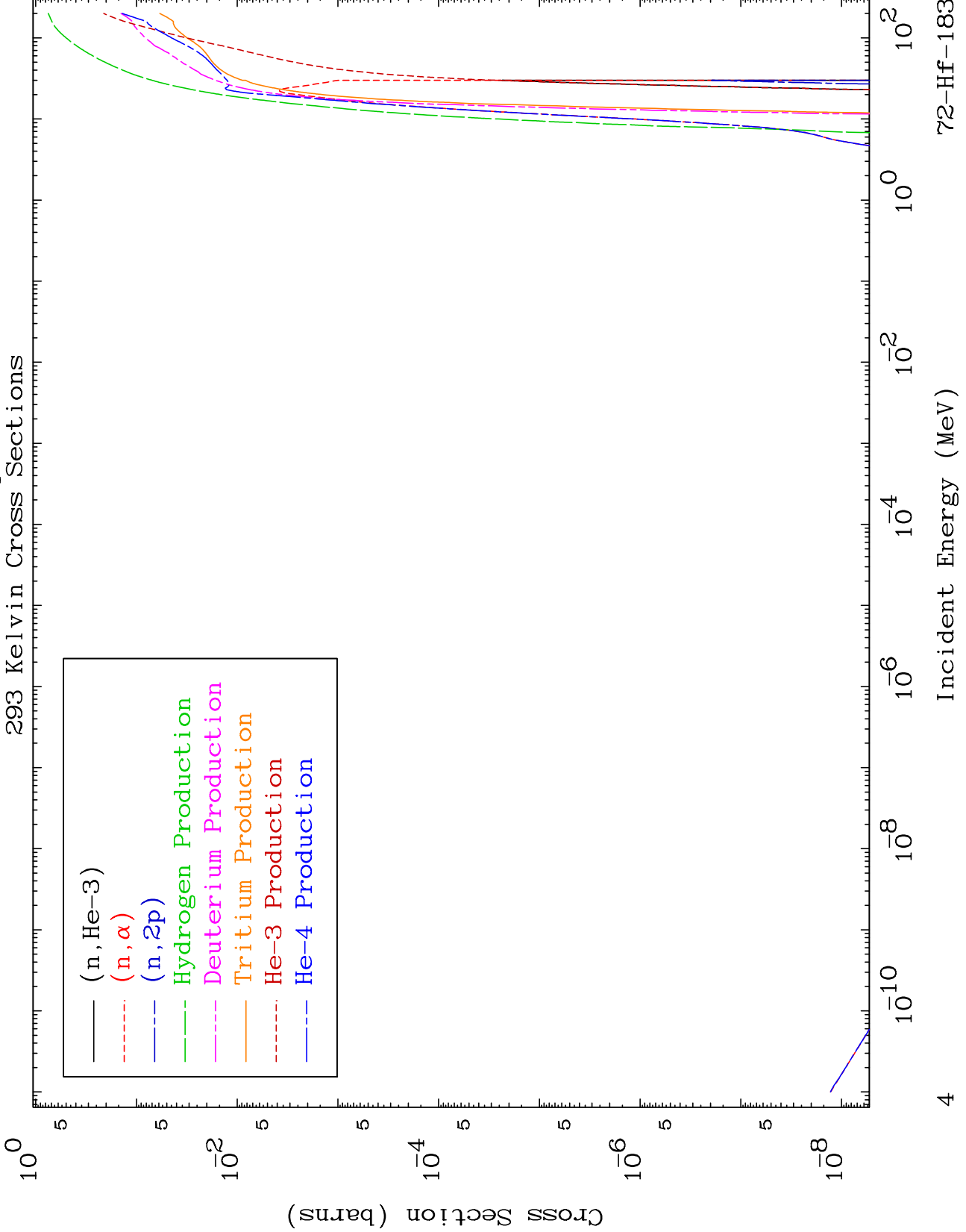


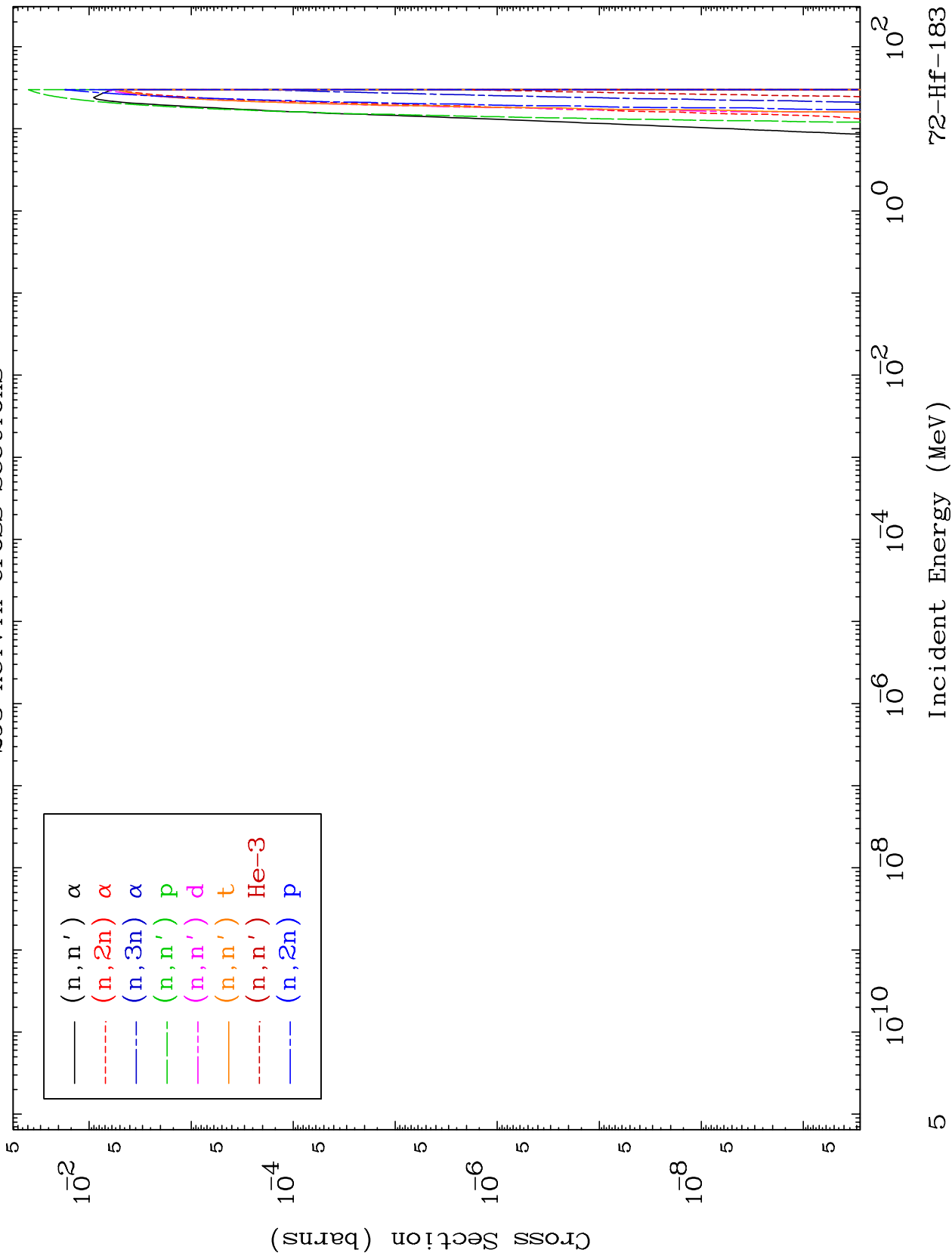


MAT 7252

Neutron Absorption
293 Kelvin Cross Sections

72-Hf-183

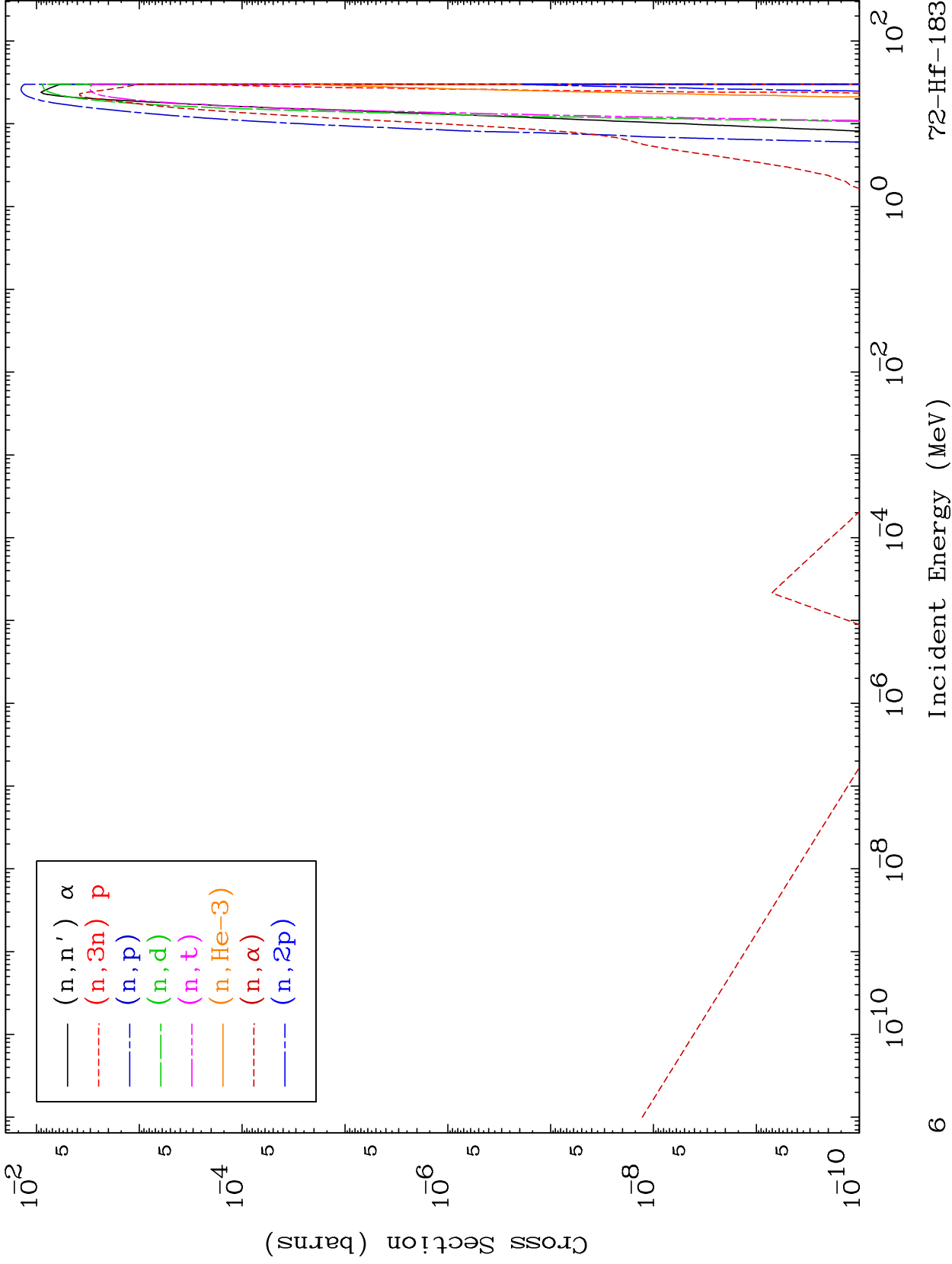


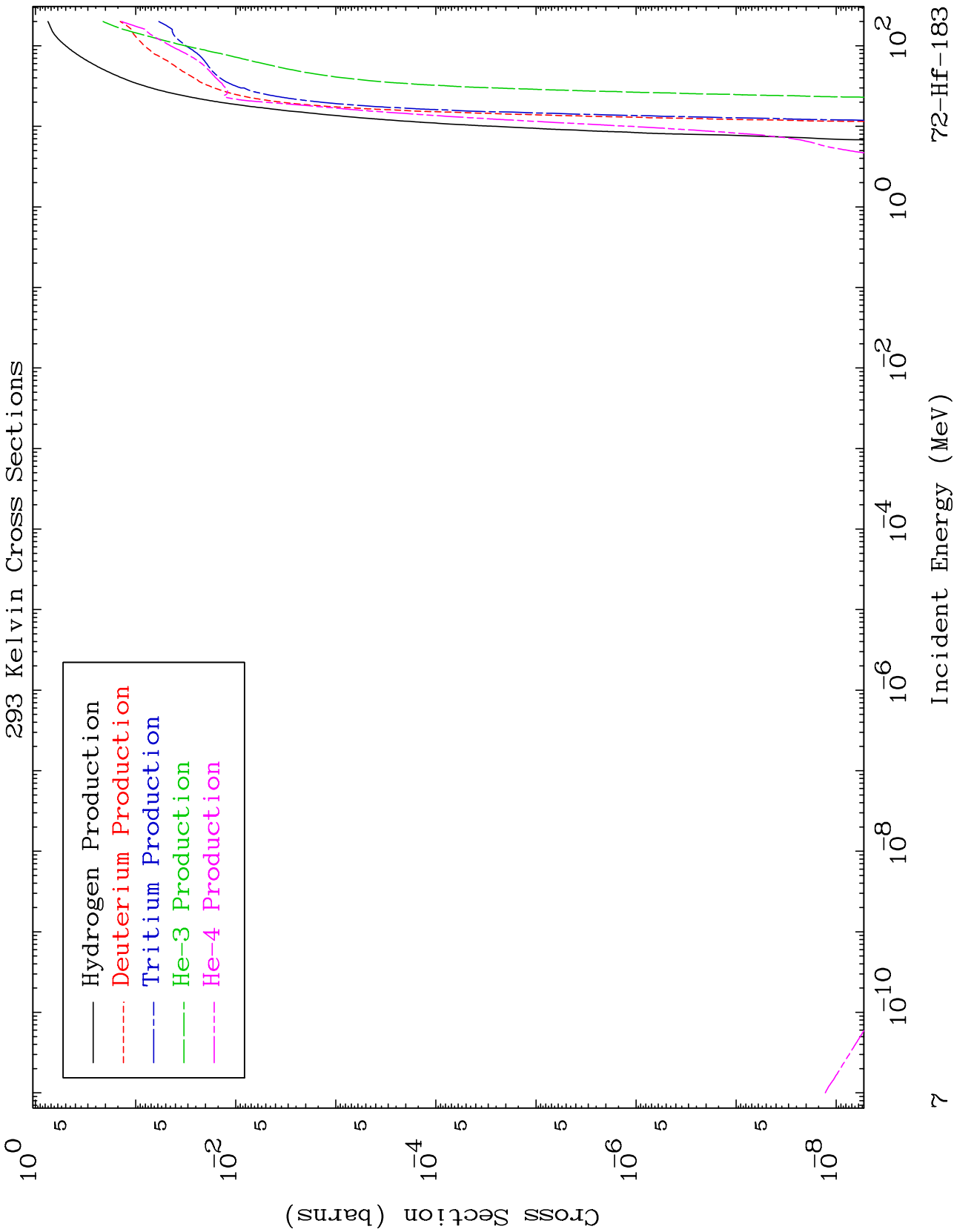


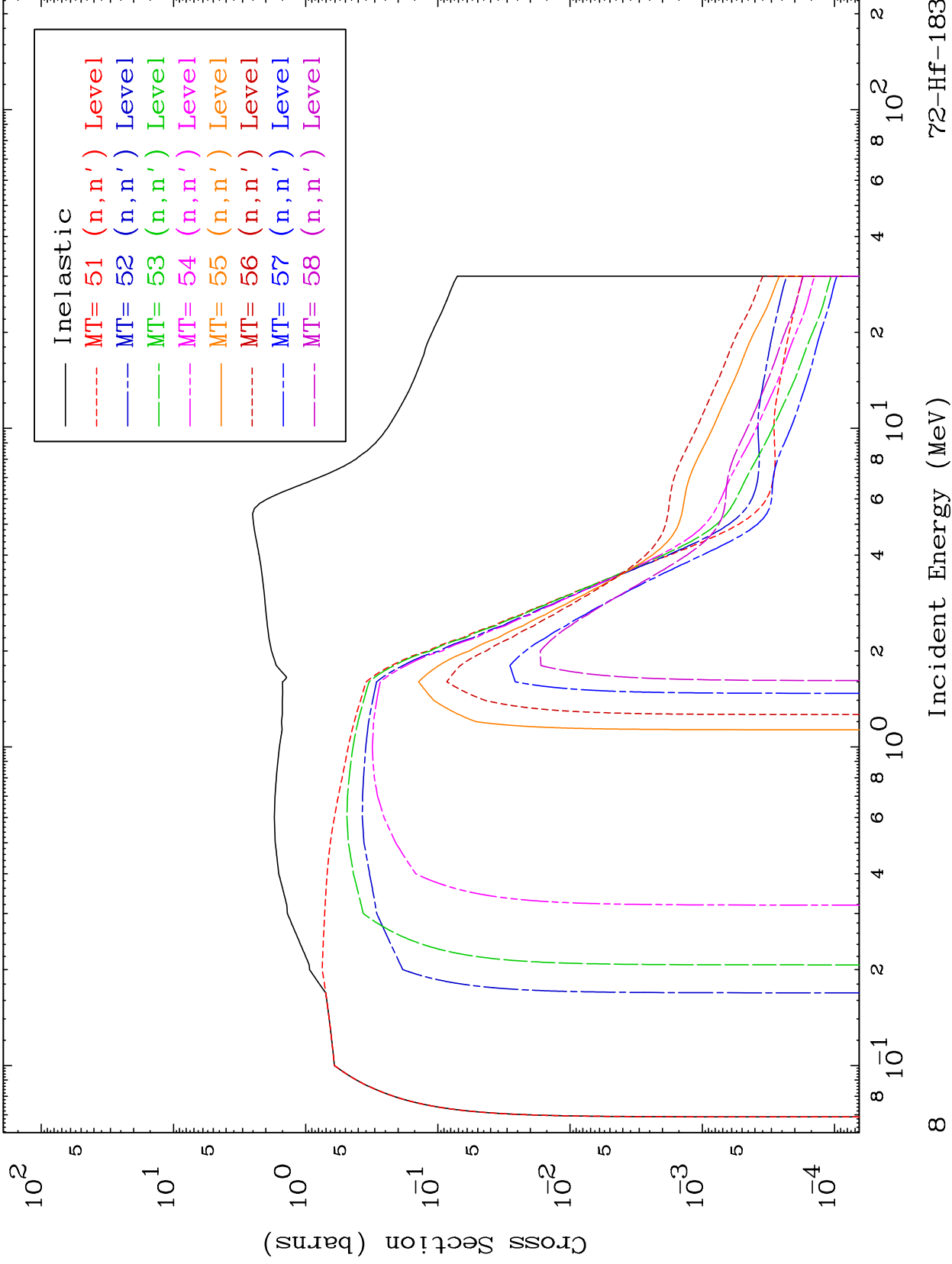
MAT 7252

Charged Particle
293 Kelvin Cross Sections

72-Hf-183



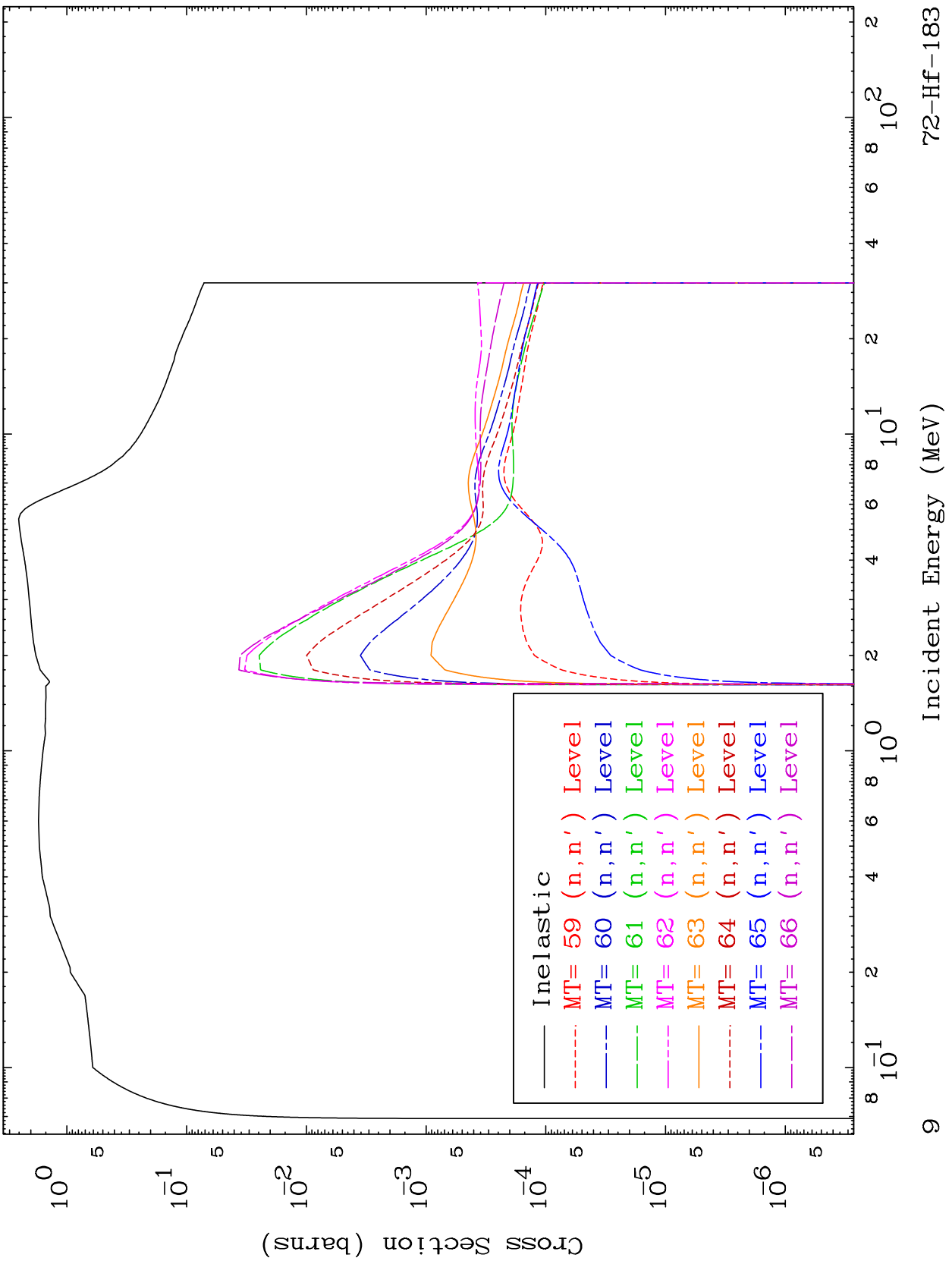




MAT 7252

72-Hf-183

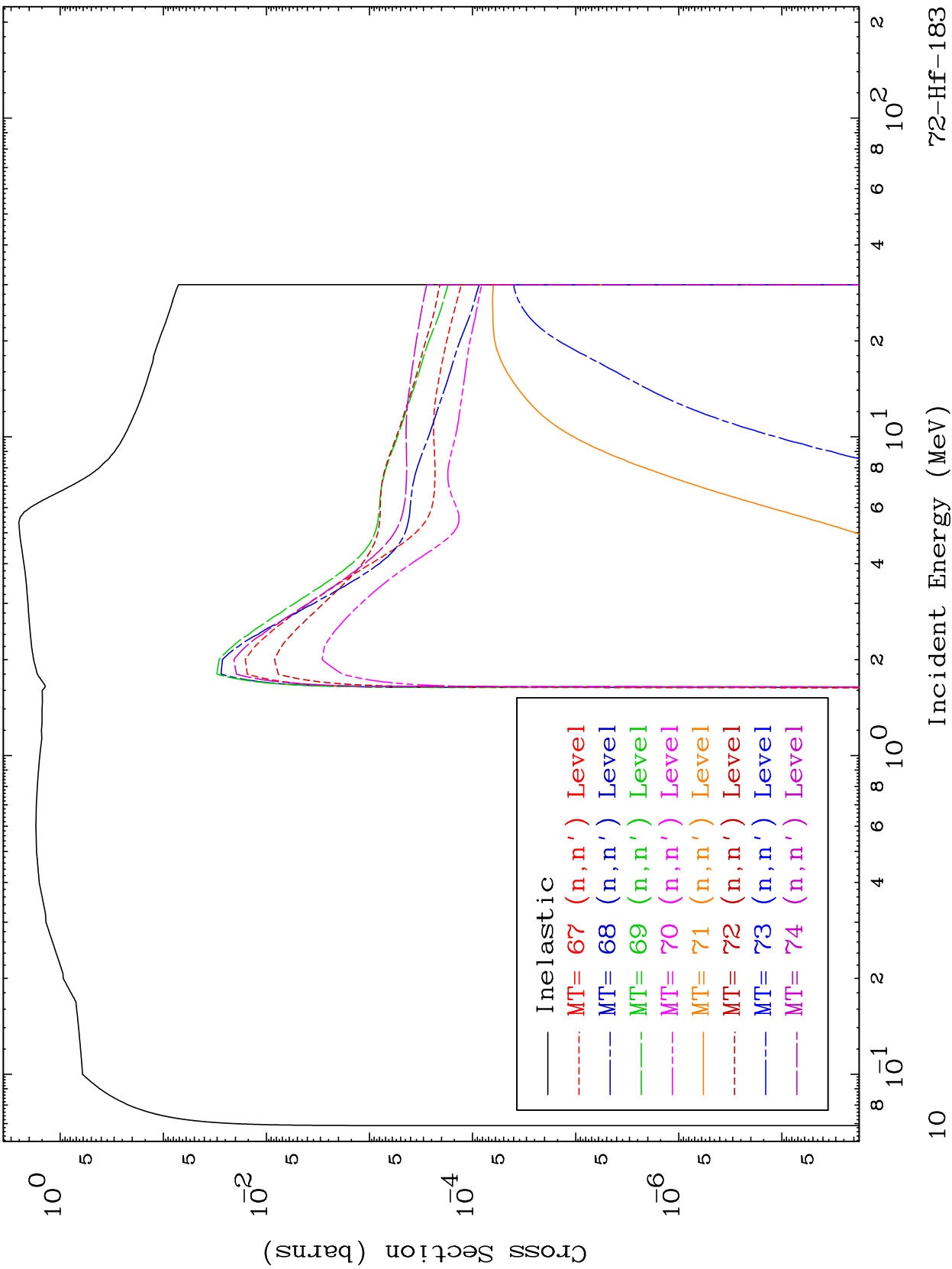
(n,n') Levels
293 Kelvin Cross Sections



MAT 7252

72-Hf-183

(n,n') Levels
293 Kelvin Cross Sections



72-Hf-183

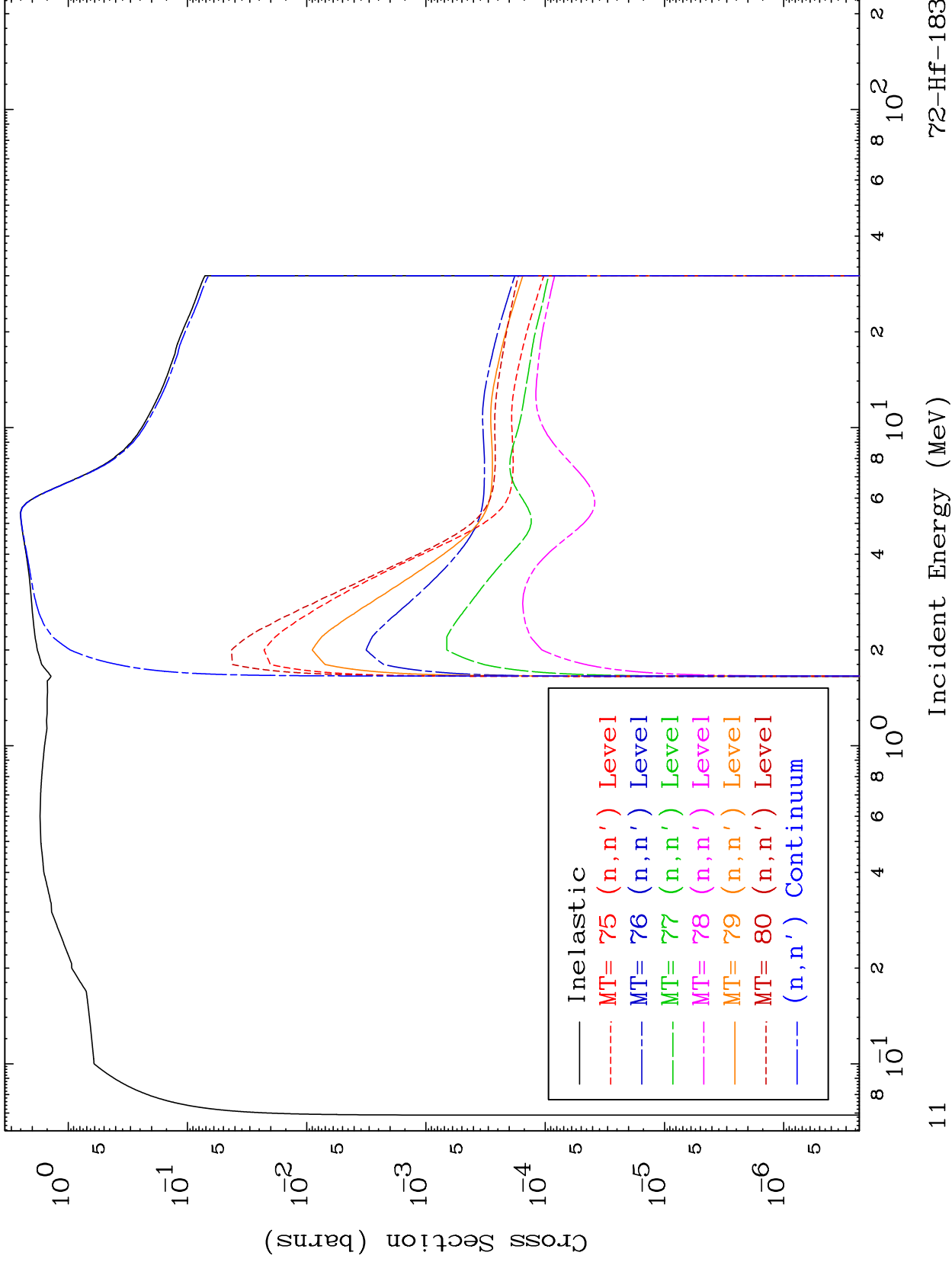
Incident Energy (MeV)

10

MAT 7252

(n,n') Levels
293 Kelvin Cross Sections

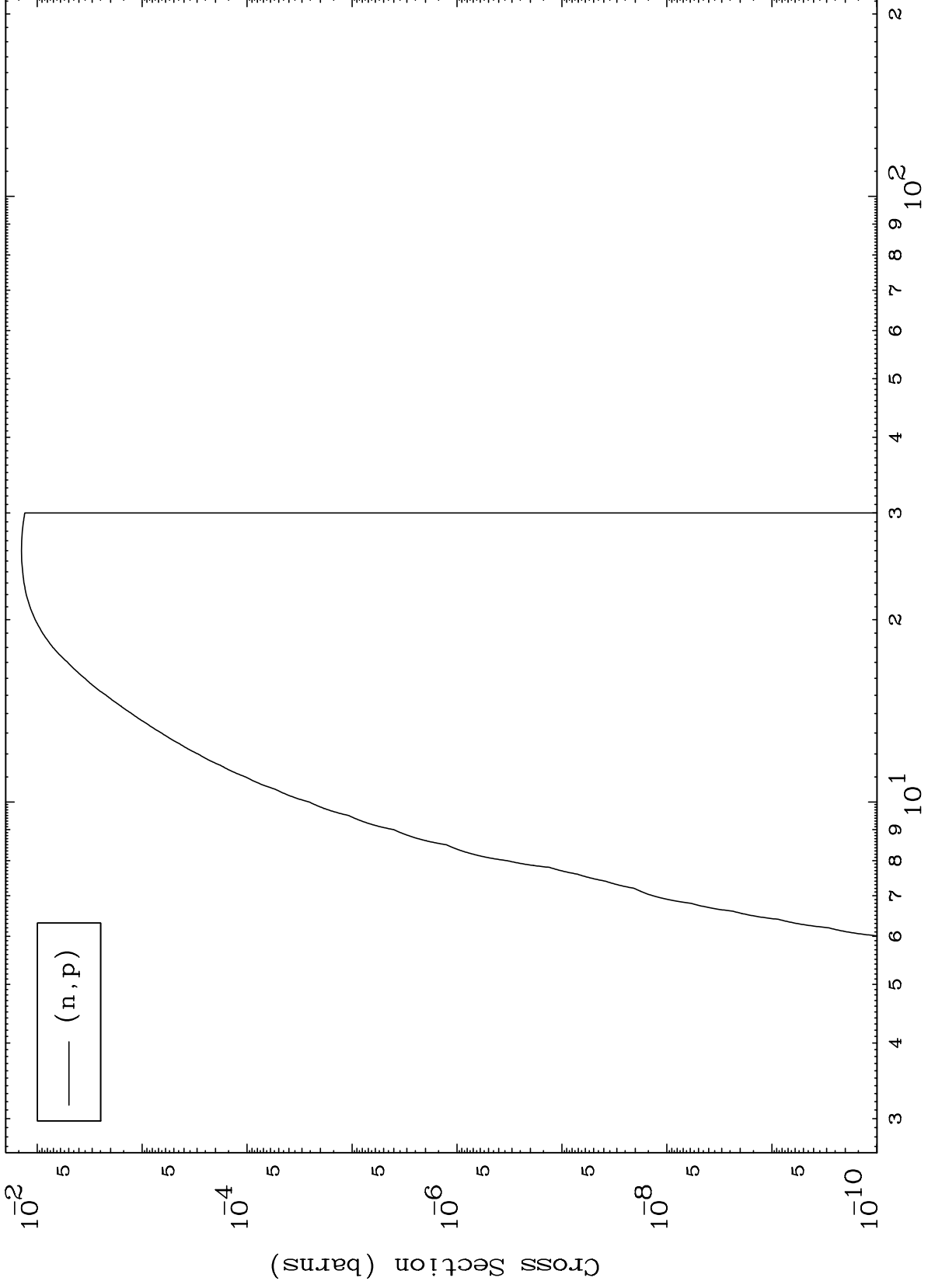
72-Hf-183



MAT 7252

(n,p) Levels
293 Kelvin Cross Sections

72-Hf-183



12

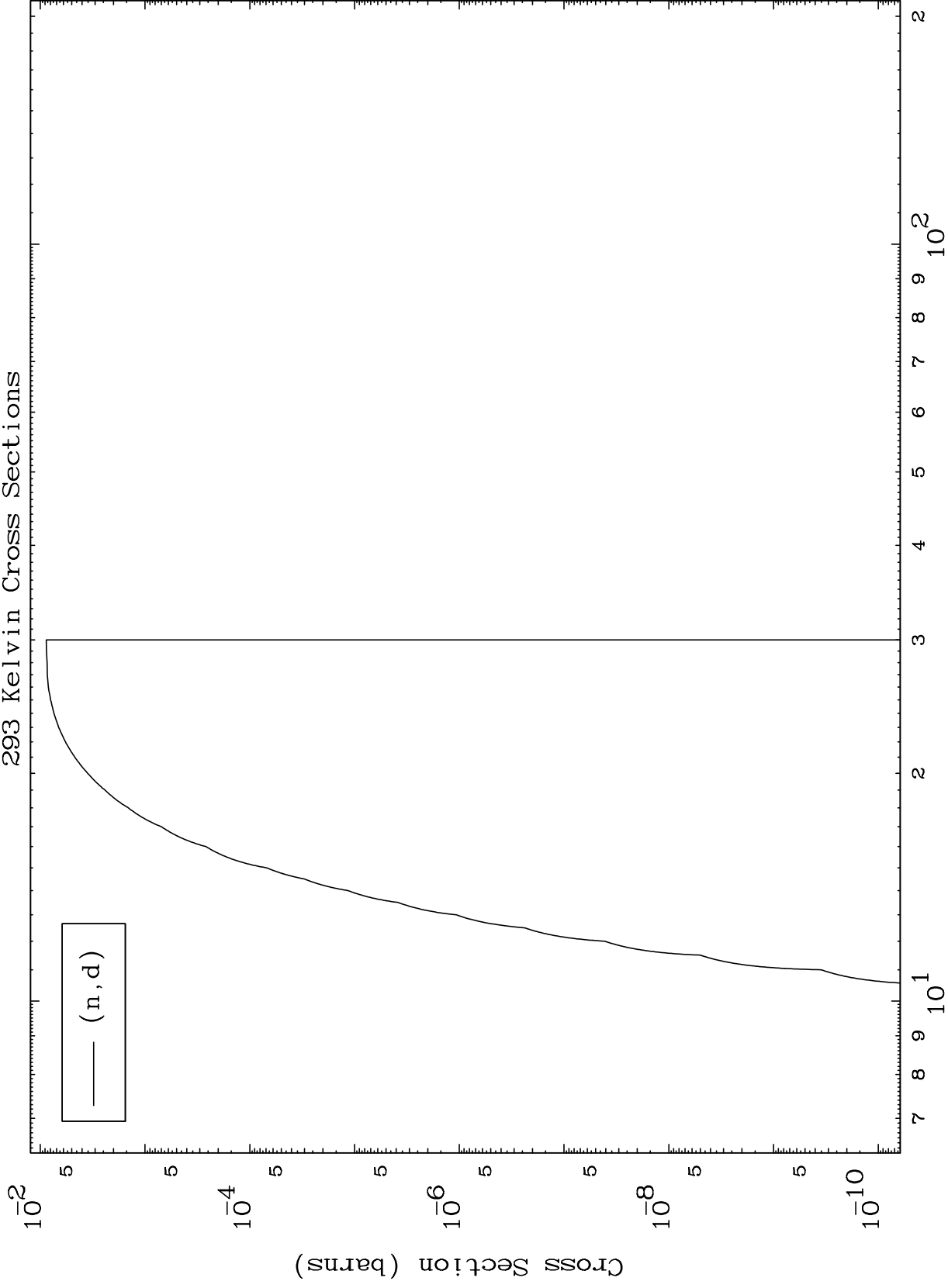
Incident Energy (MeV)

72-Hf-183

MAT 7252

(n,d) Levels
293 Kelvin Cross Sections

72-Hf-183



13

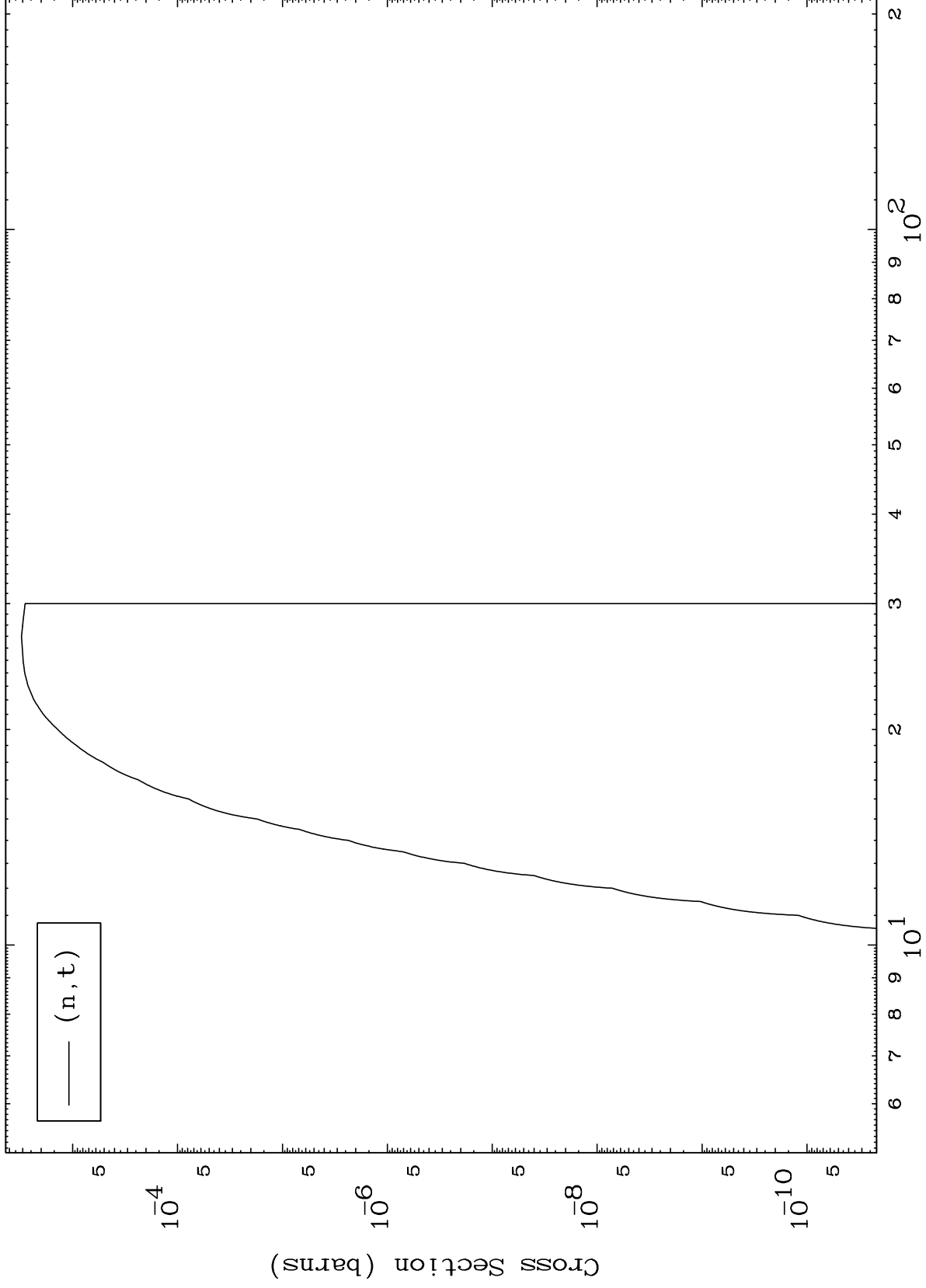
Incident Energy (MeV)

72-Hf-183

MAT 7252

(n,t) Levels
293 Kelvin Cross Sections

72-Hf-183



14

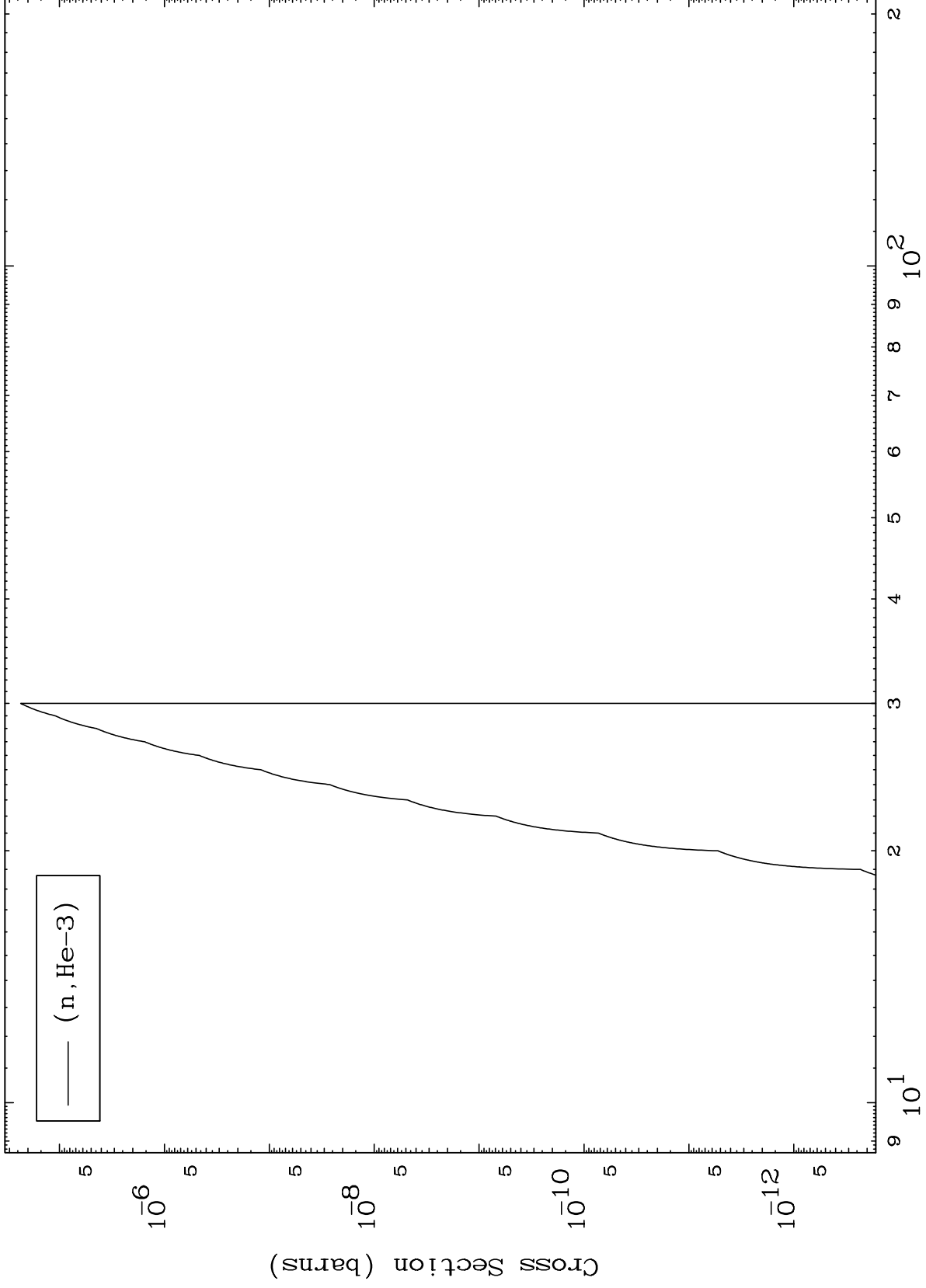
Incident Energy (MeV)

72-Hf-183

MAT 7252

(n,He3) Levels
293 Kelvin Cross Sections

72-Hf-183



15

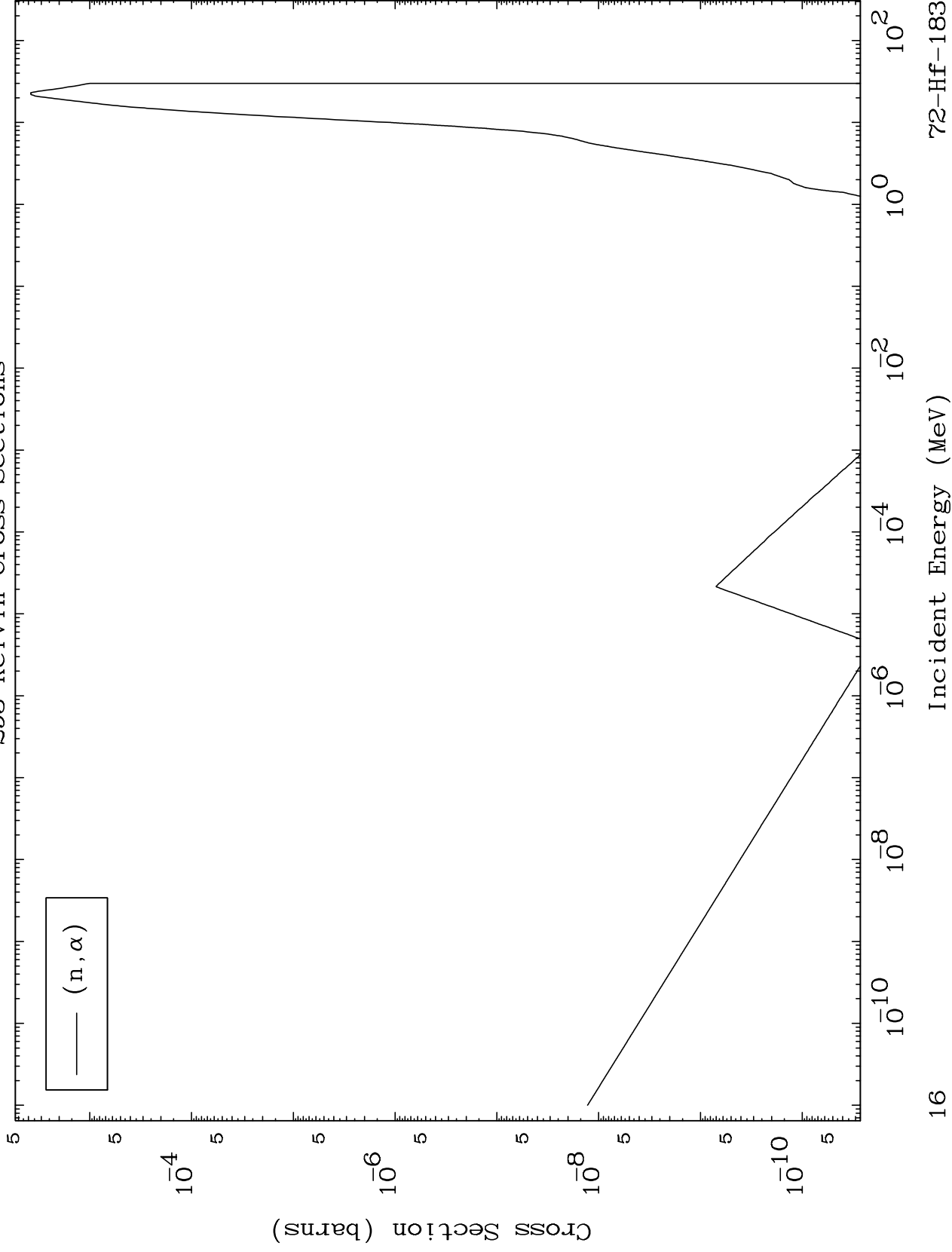
Incident Energy (MeV)

72-Hf-183

MAT 7252

(n, α) Levels
293 Kelvin Cross Sections

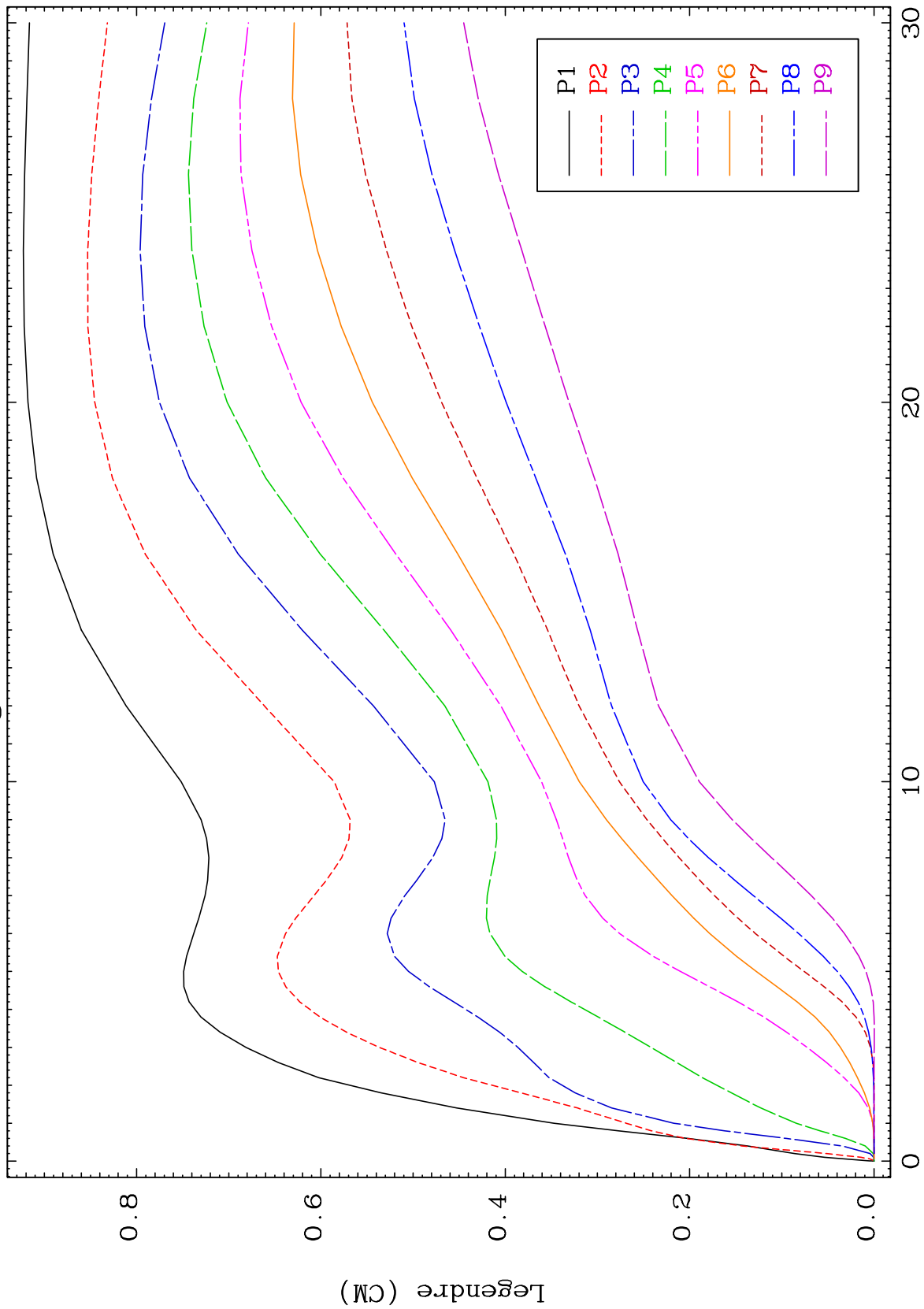
72-Hf-183



MAT 7252

Elastic Legendre Coefficients

72-Hf-183



17

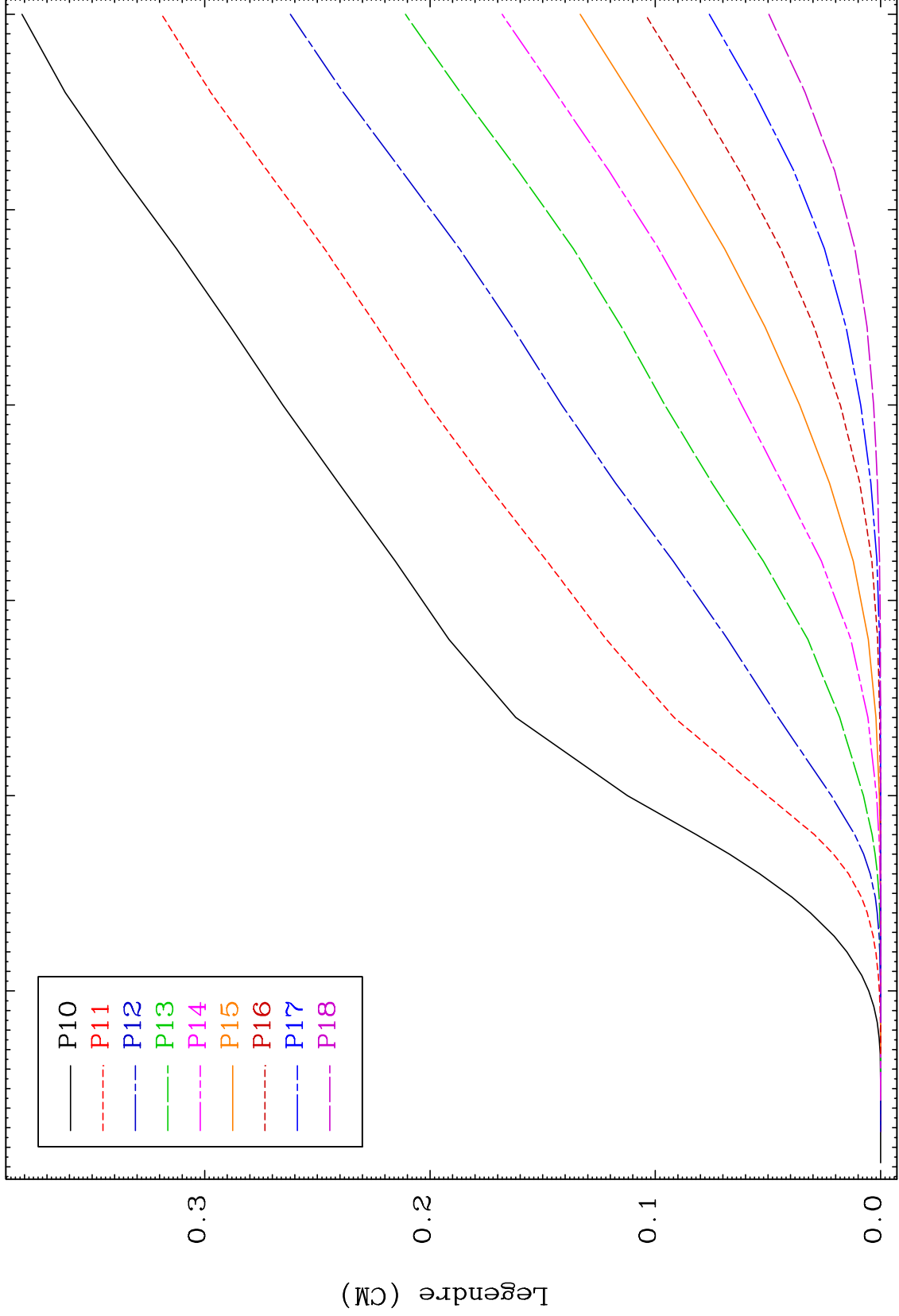
Incident Energy (MeV)

72-Hf-183

MAT 7252

Elastic Legendre Coefficients

72-Hf-183



18

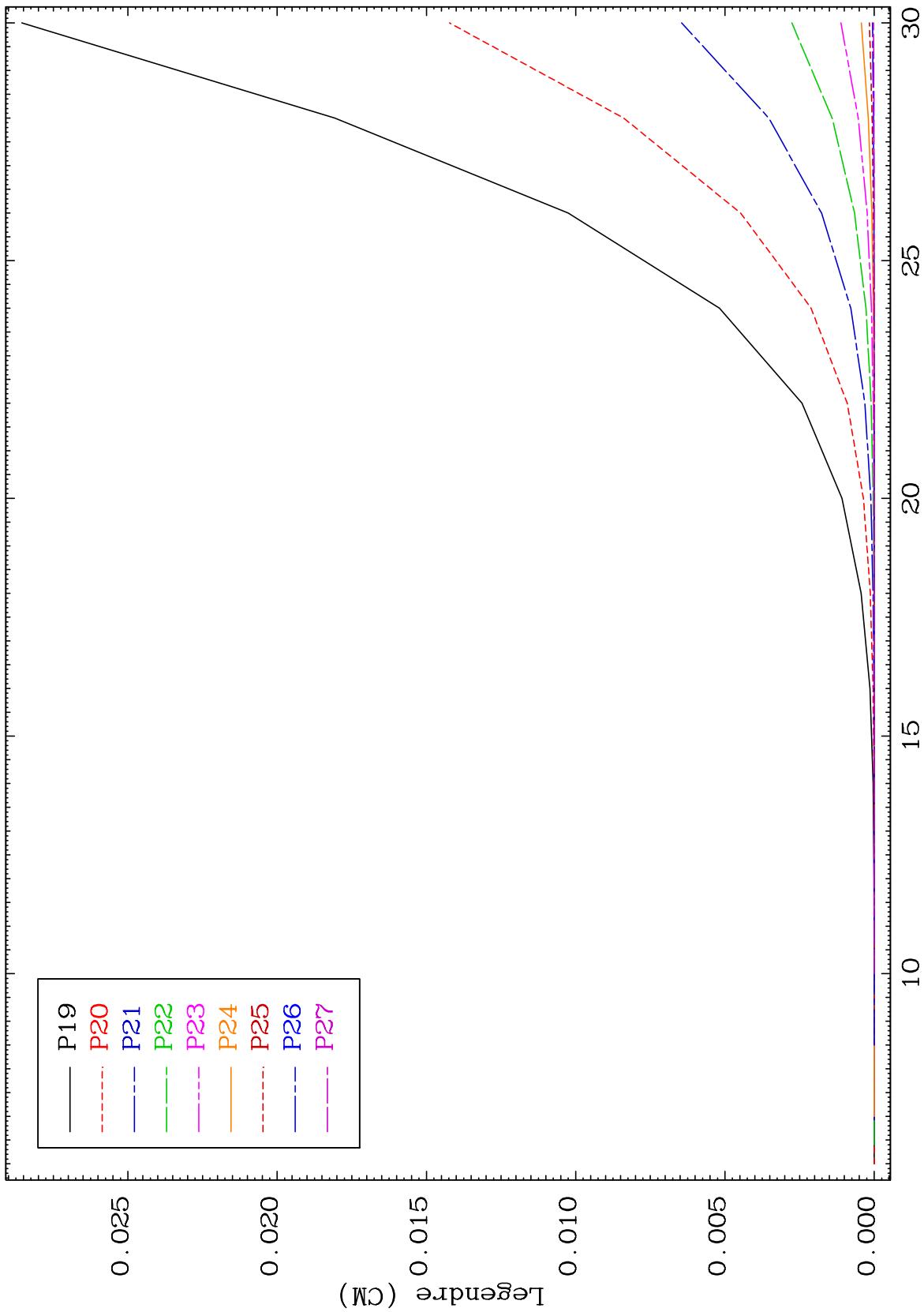
Incident Energy (MeV)

72-Hf-183

MAT 7252

Elastic Legendre Coefficients

72-Hf-183



19

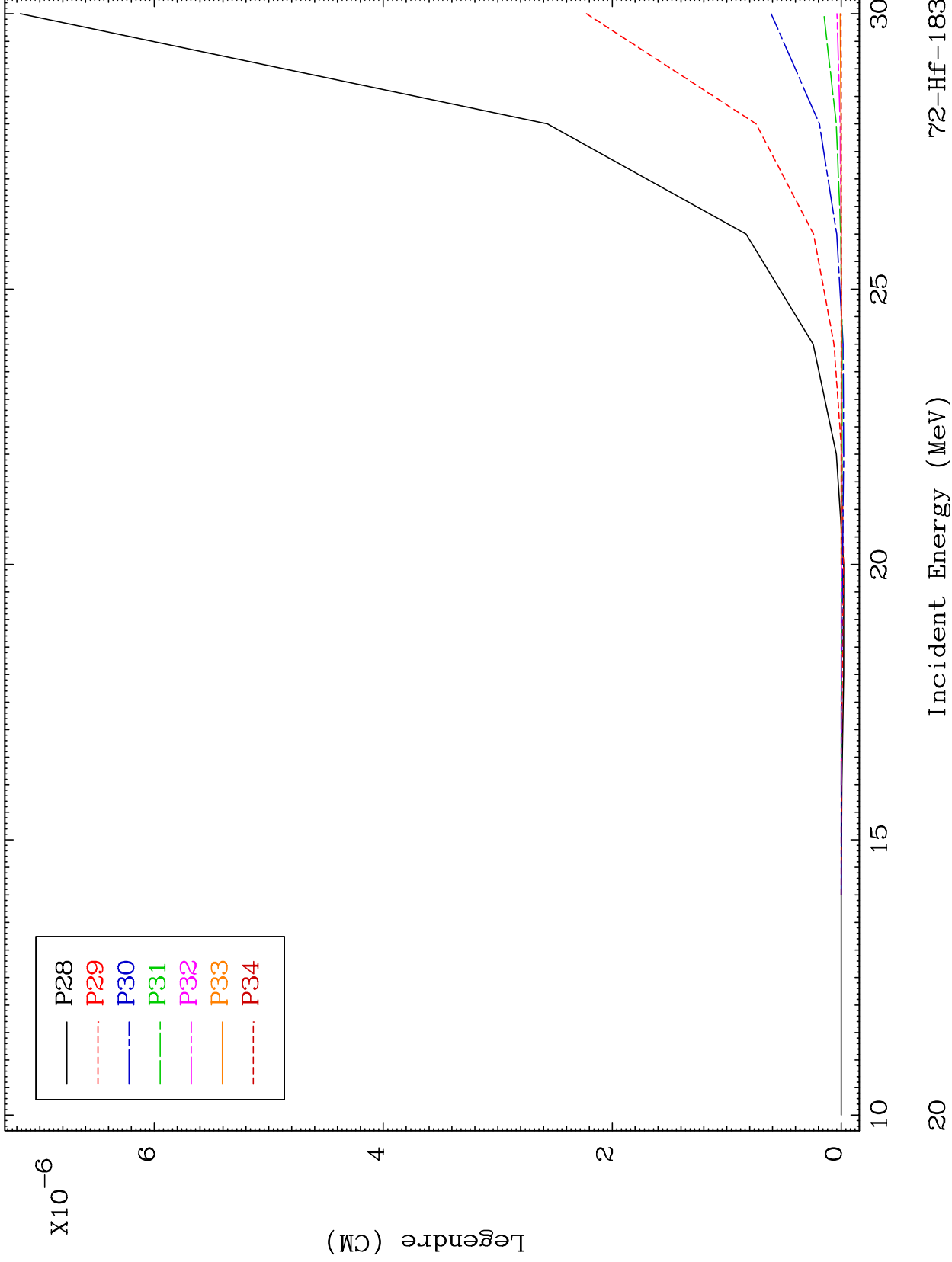
Incident Energy (MeV)

72-Hf-183

MAT 7252

Elastic
Legendre Coefficients

72-Hf-183



72-Hf-183

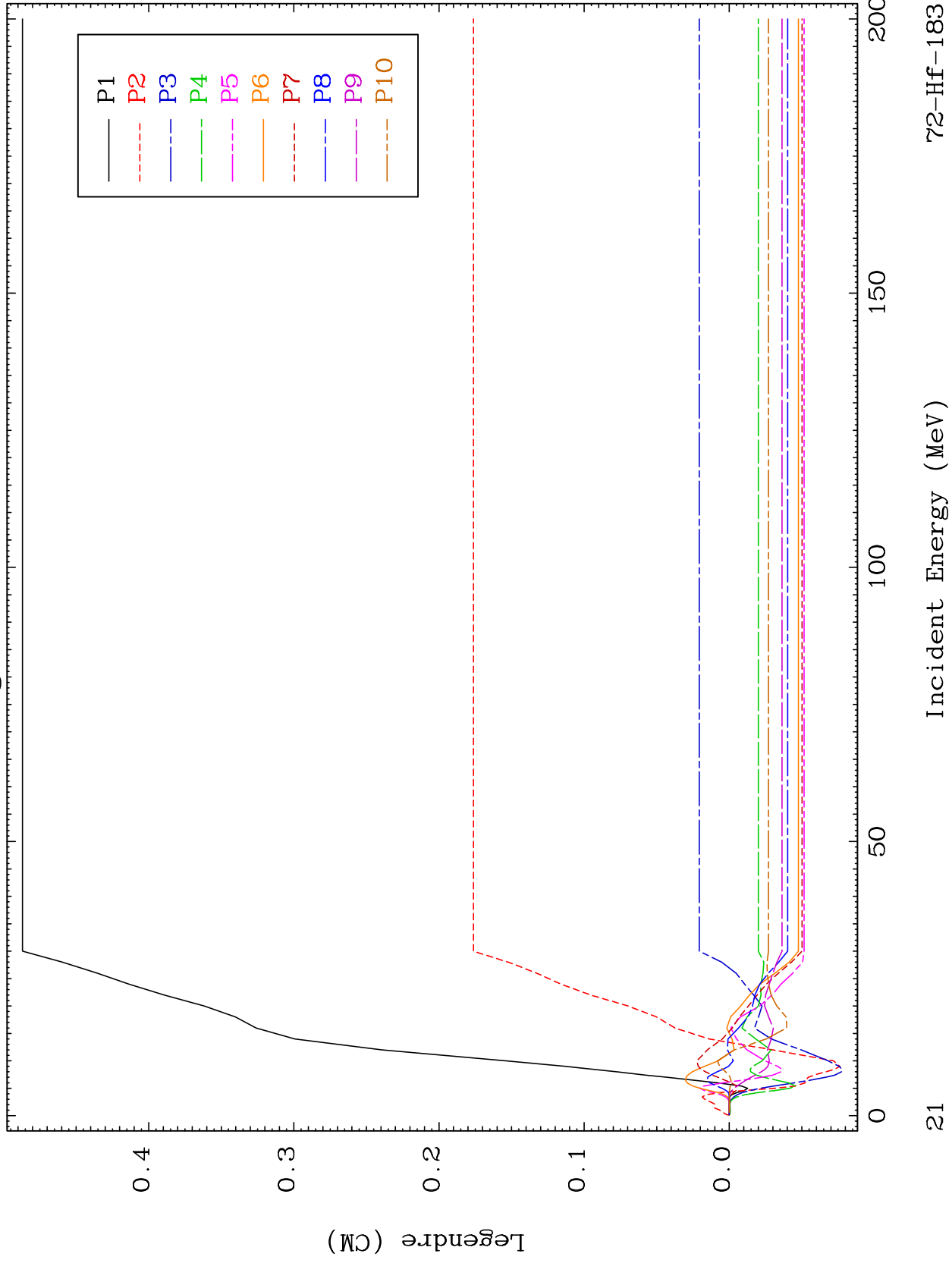
Incident Energy (MeV)

20

MAT 7252

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

72-Hf-183



21

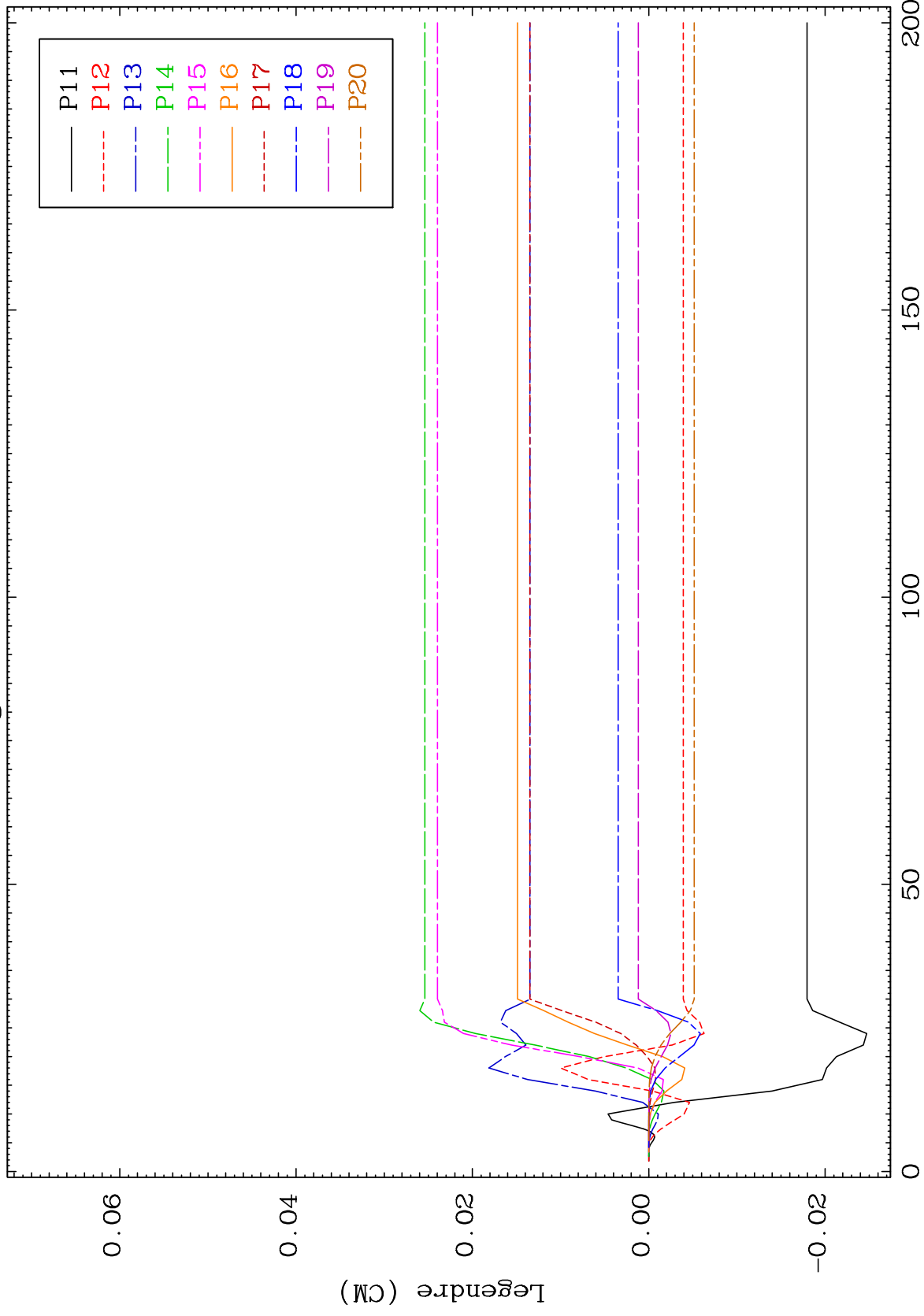
Incident Energy (MeV)

72-Hf-183

MAT 7252

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

72-Hf-183



22

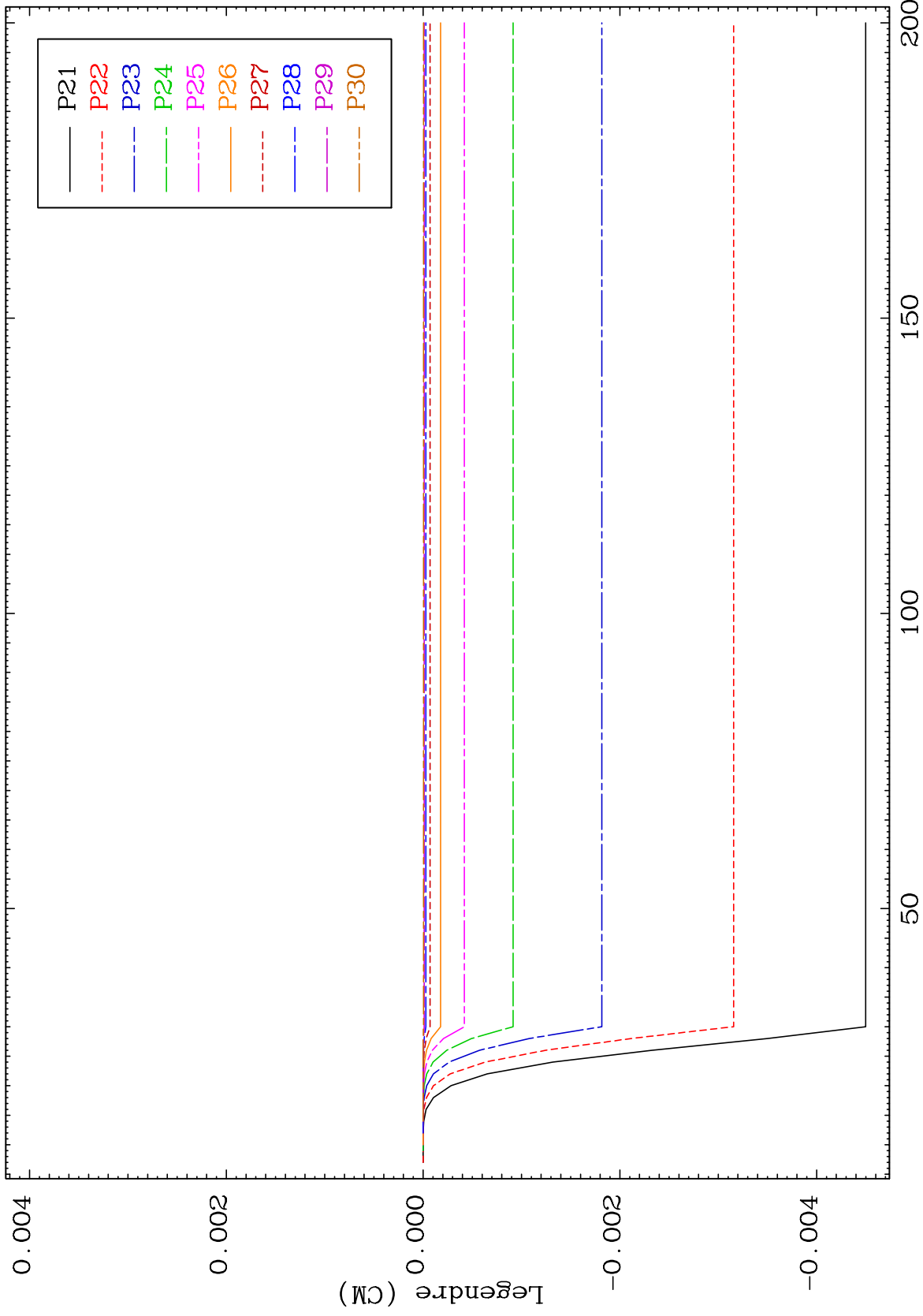
Incident Energy (MeV)

72-Hf-183

MAT 7252

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

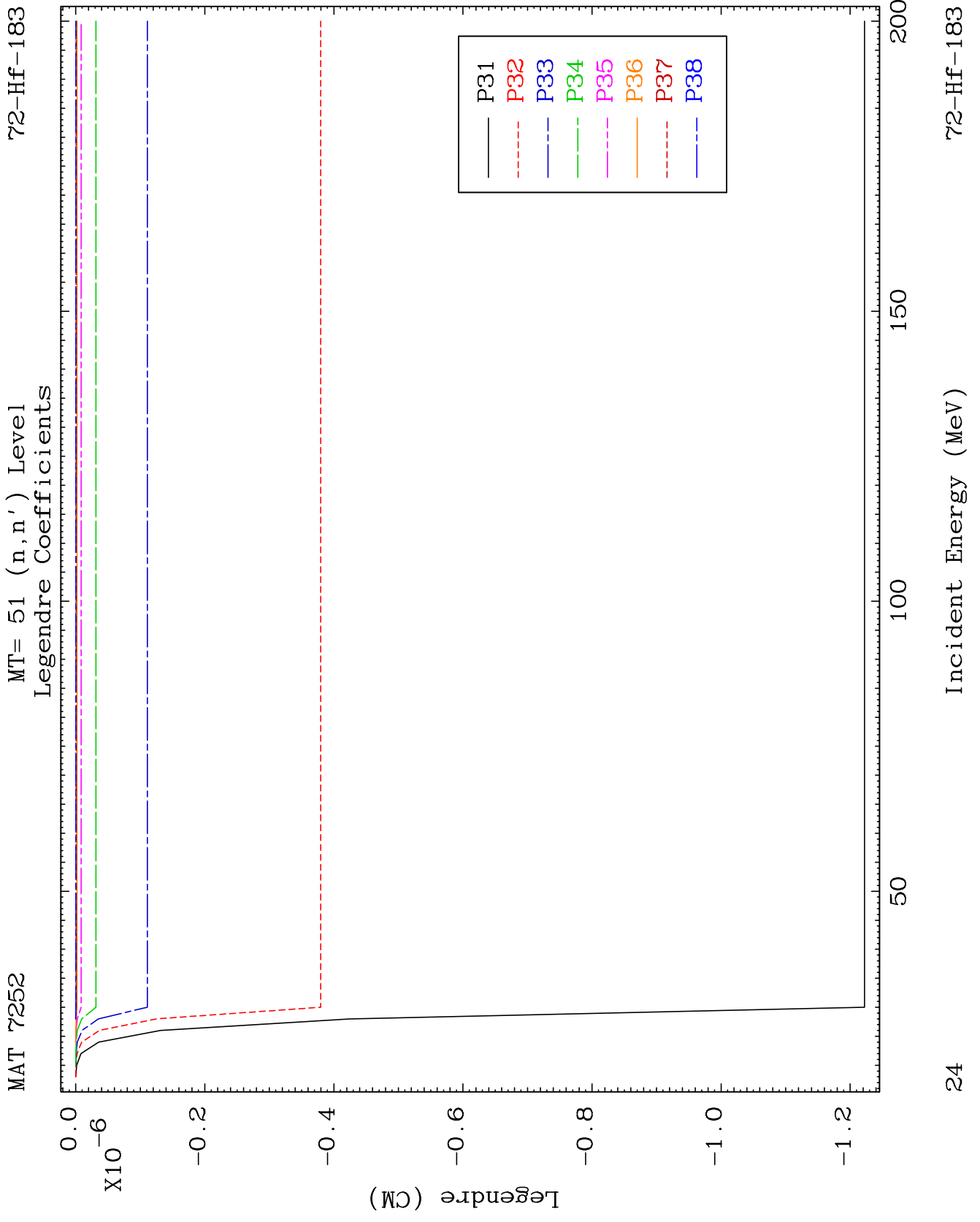
72-Hf-183



23

Incident Energy (MeV)

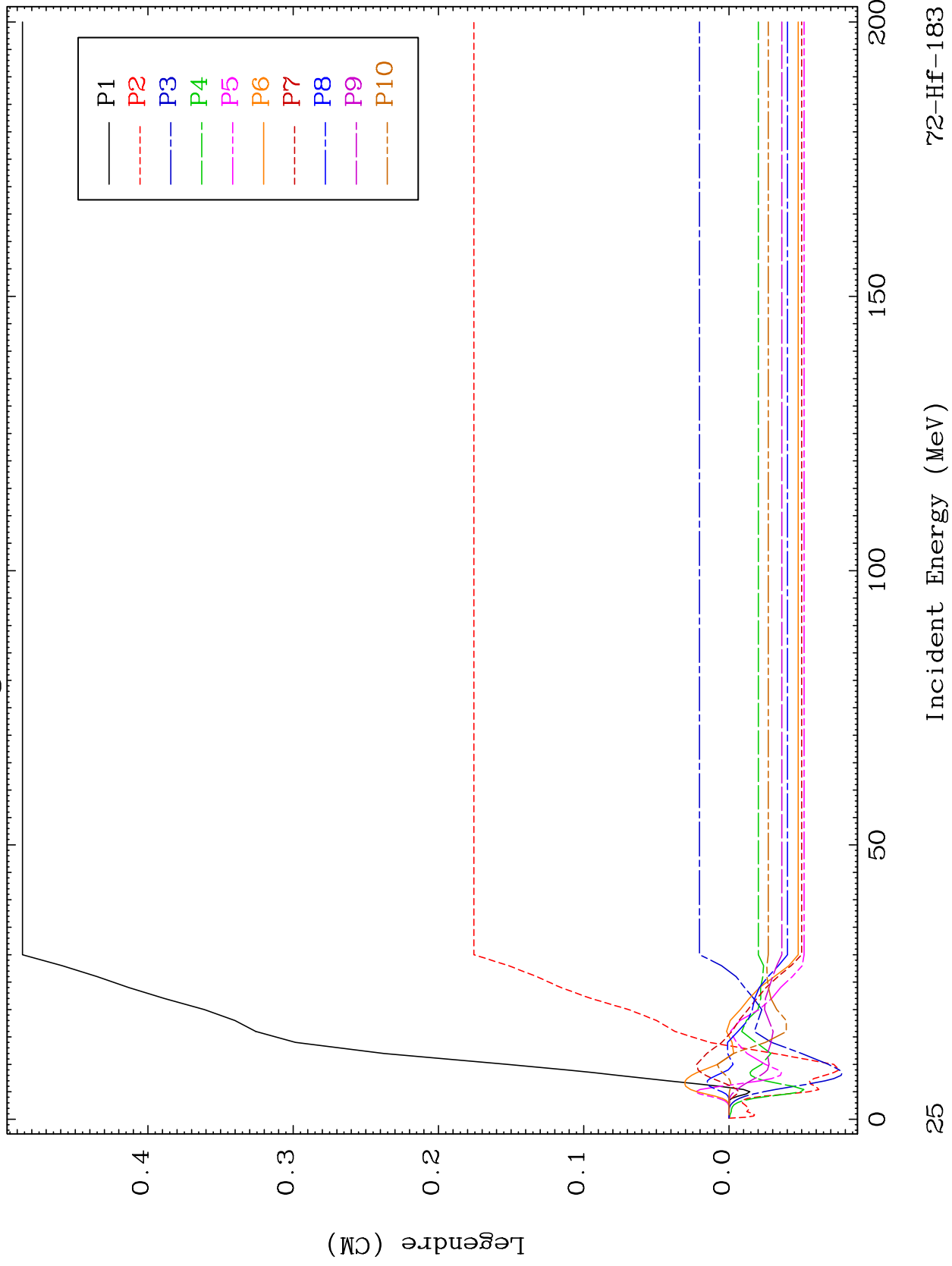
72-Hf-183



MAT 7252

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

72-Hf-183



72-Hf-183

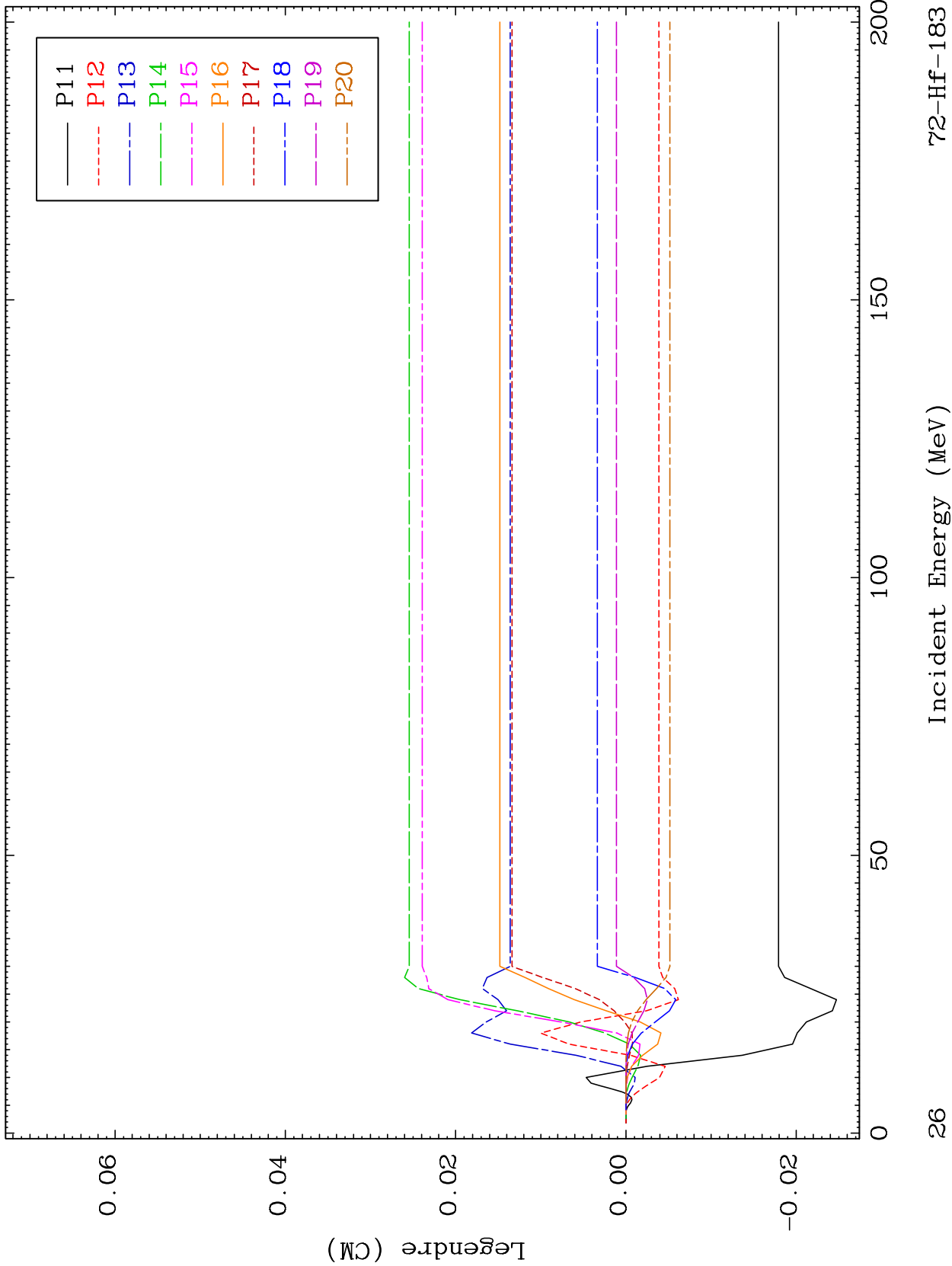
Incident Energy (MeV)

25

MAT 7252

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

72-Hf-183



26

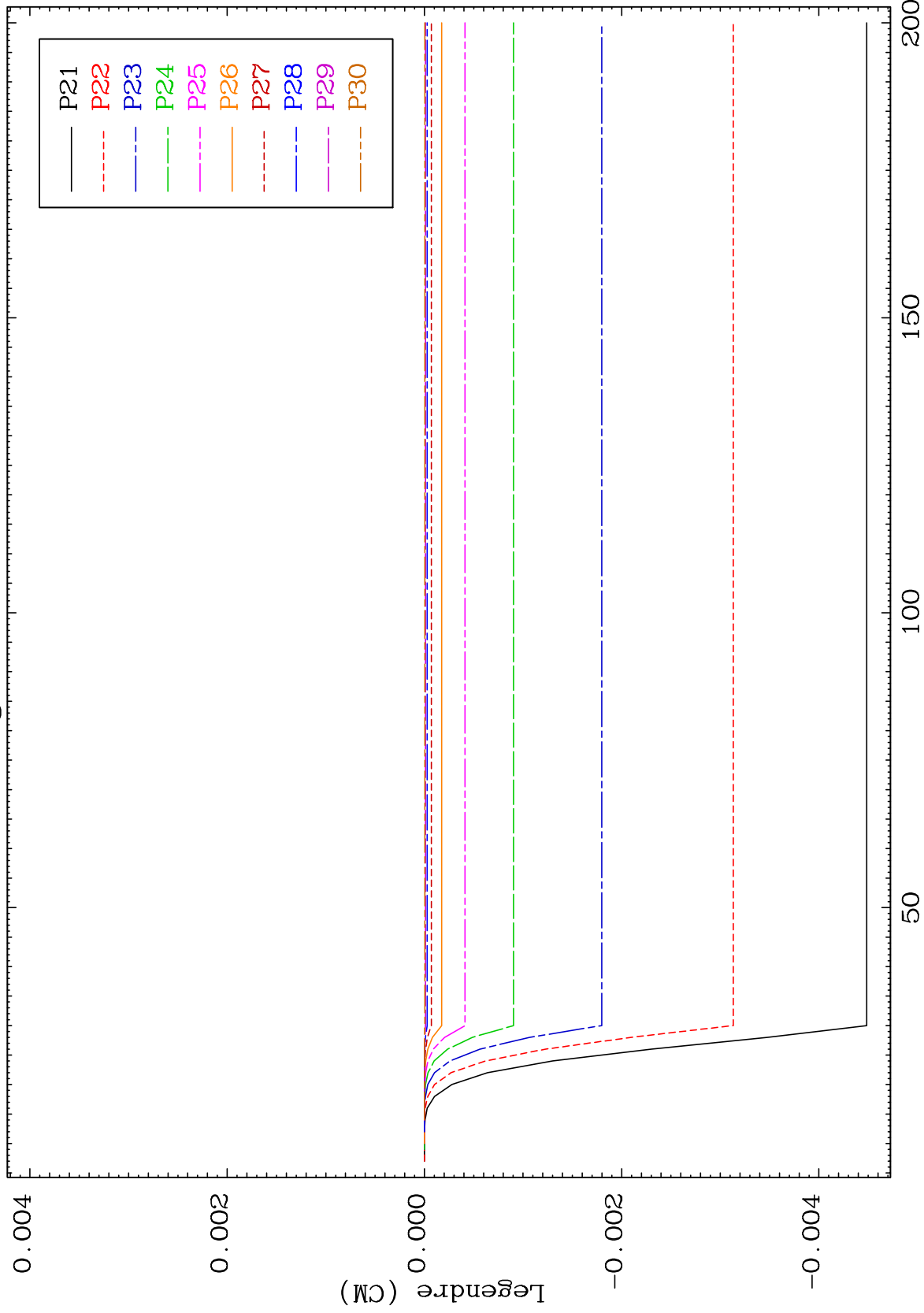
Incident Energy (MeV)

72-Hf-183

MAT 7252

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

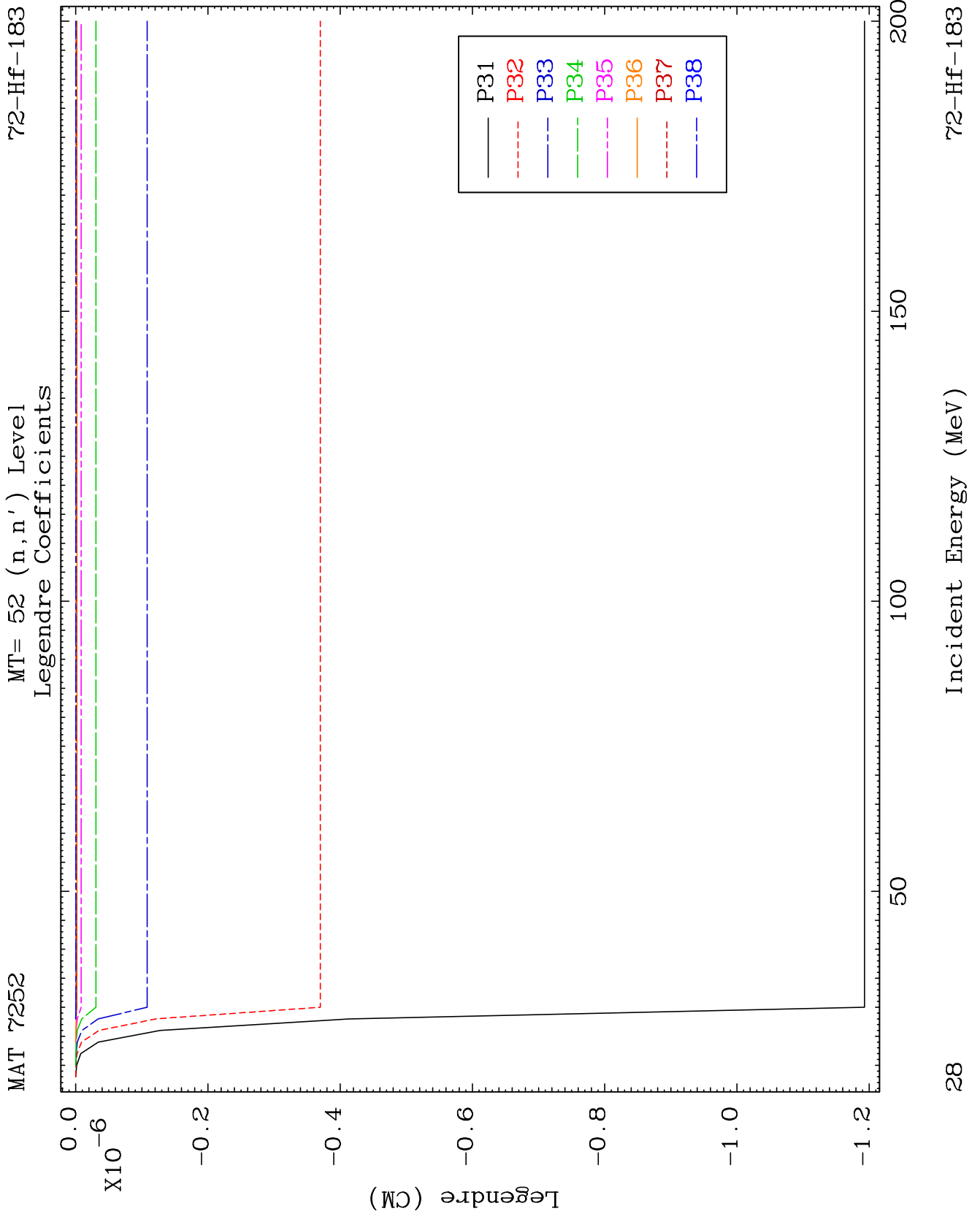
72-Hf-183



27

Incident Energy (MeV)

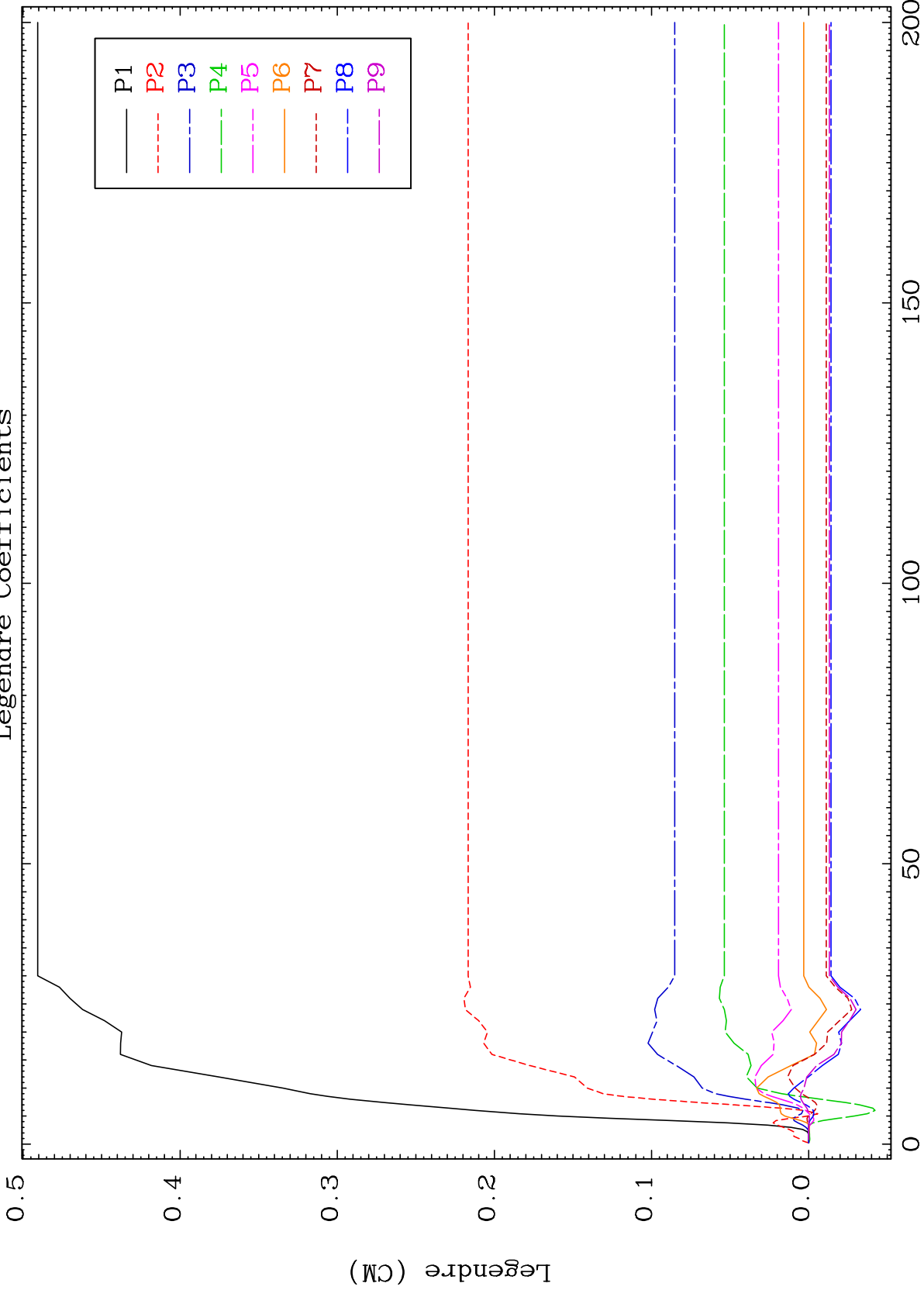
72-Hf-183



MAT 7252

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

72-Hf-183



29

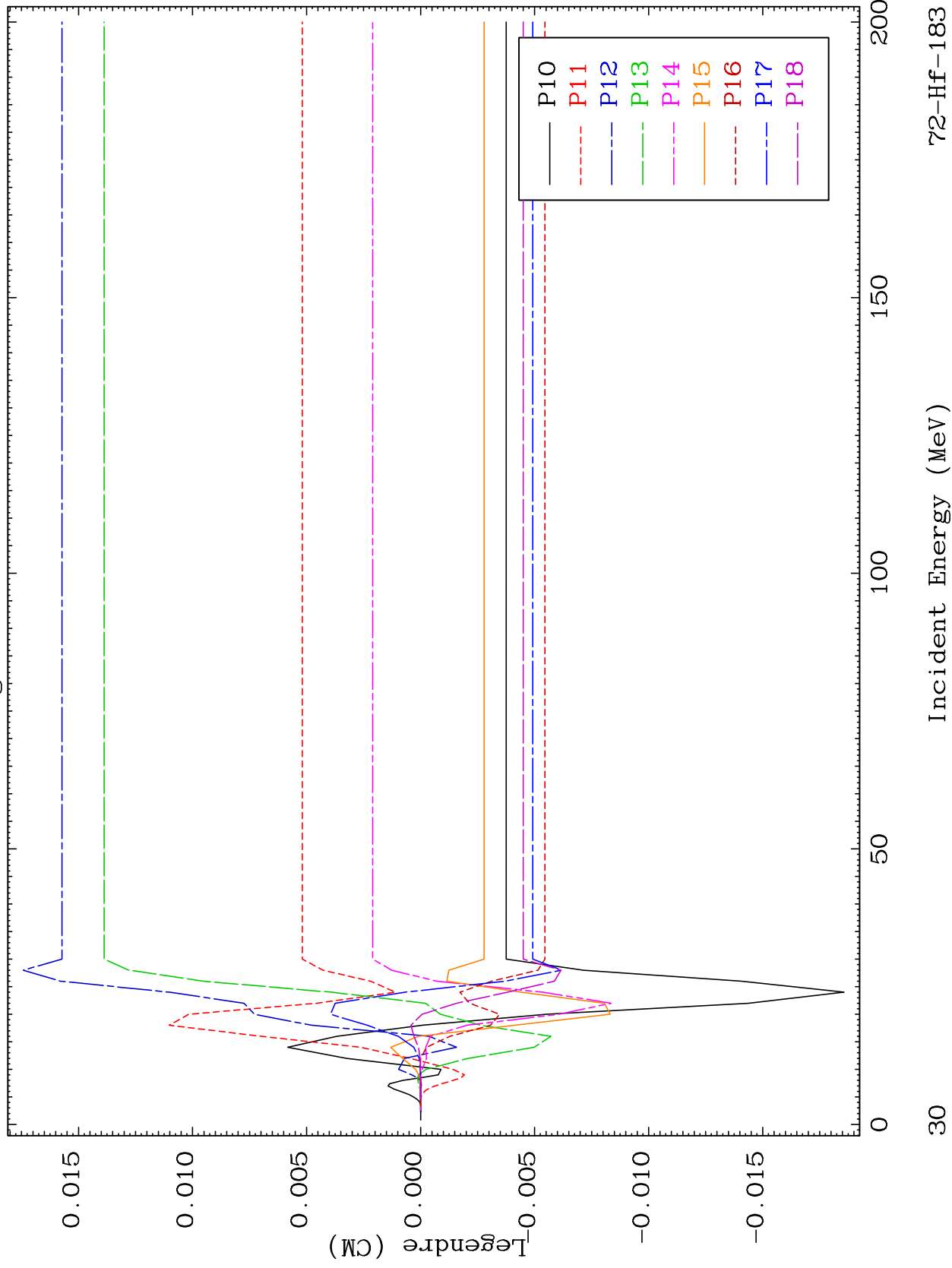
Incident Energy (MeV)

72-Hf-183

MAT 7252

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

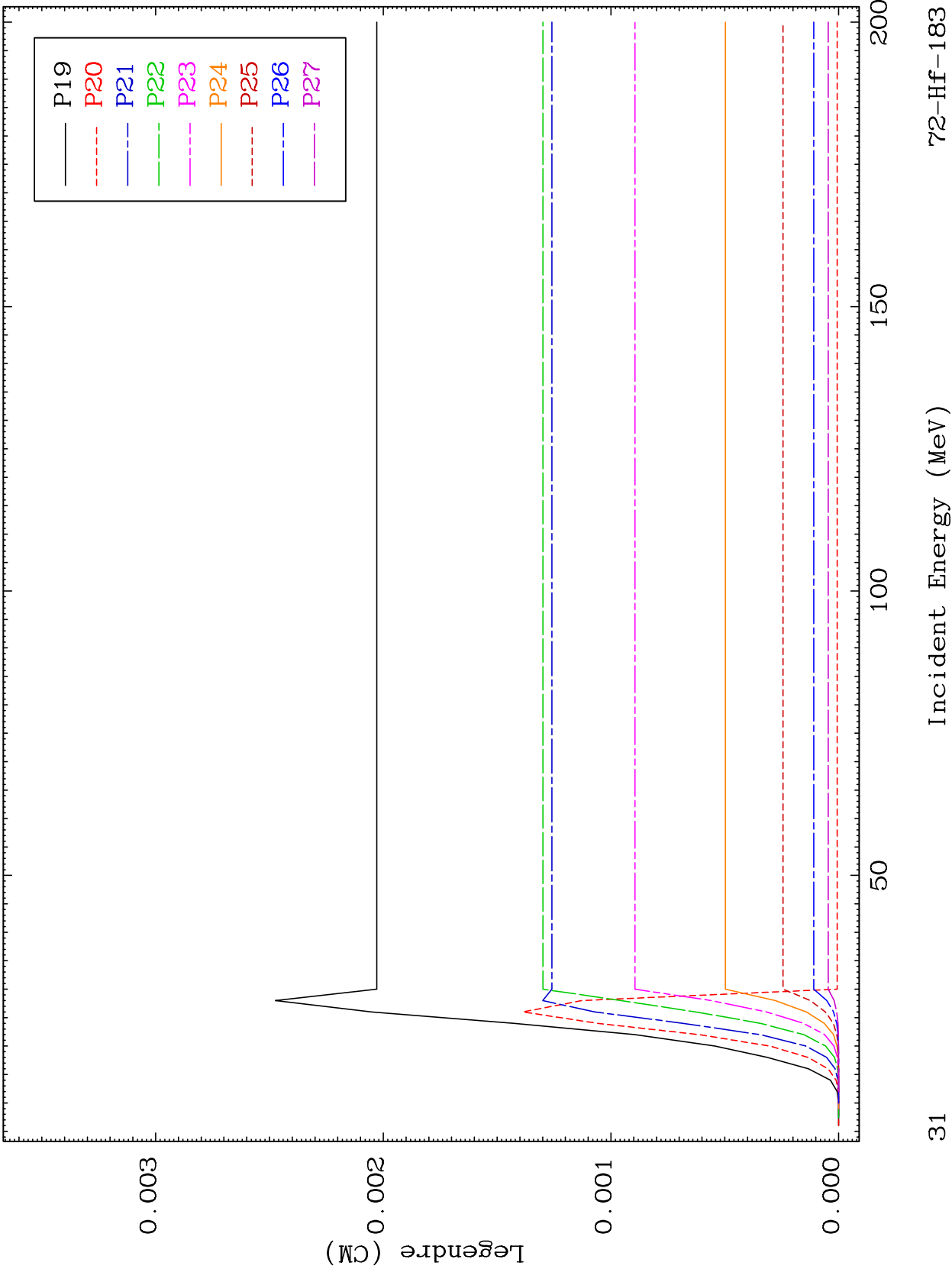
72-Hf-183

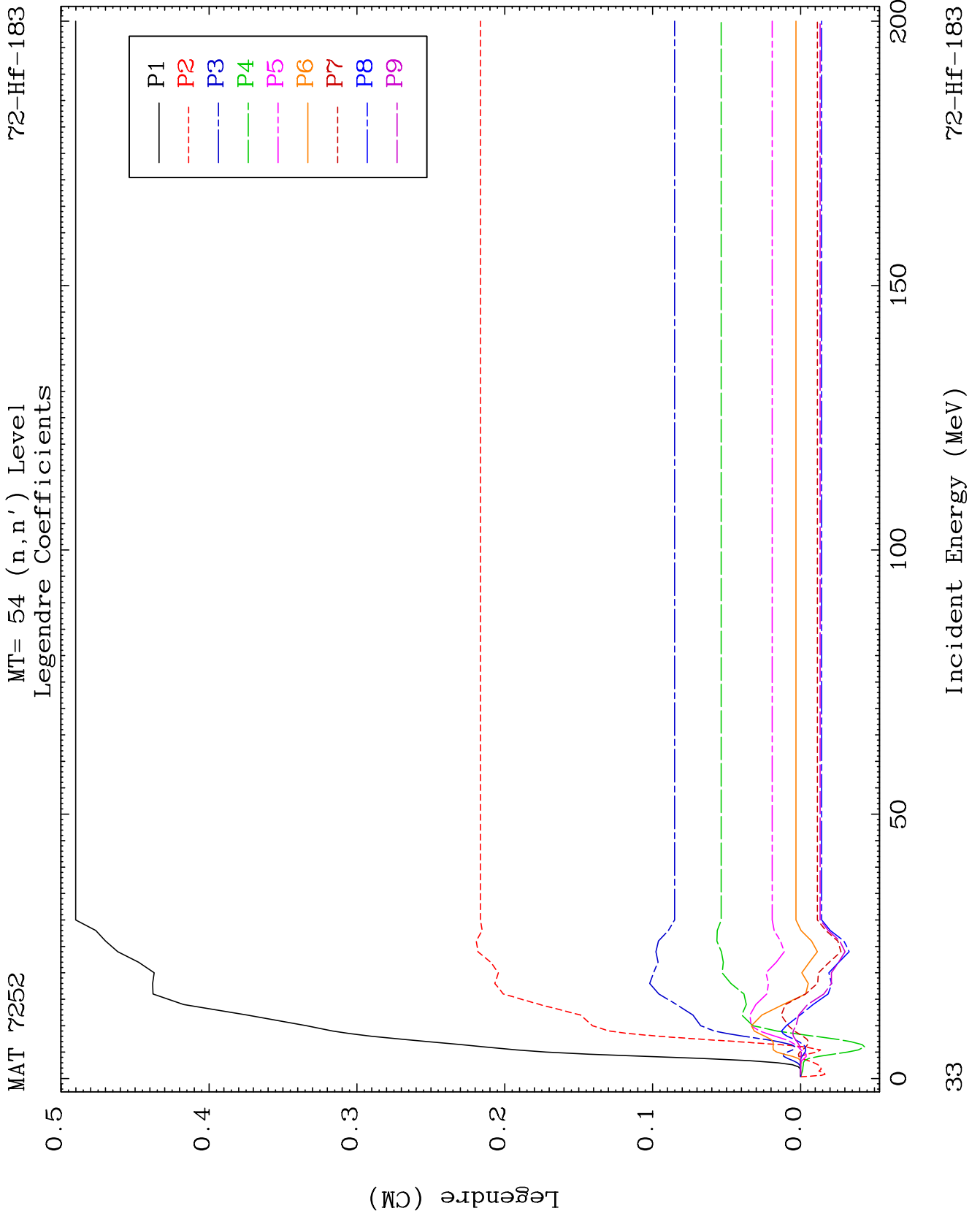


72-Hf-183

Incident Energy (MeV)

30

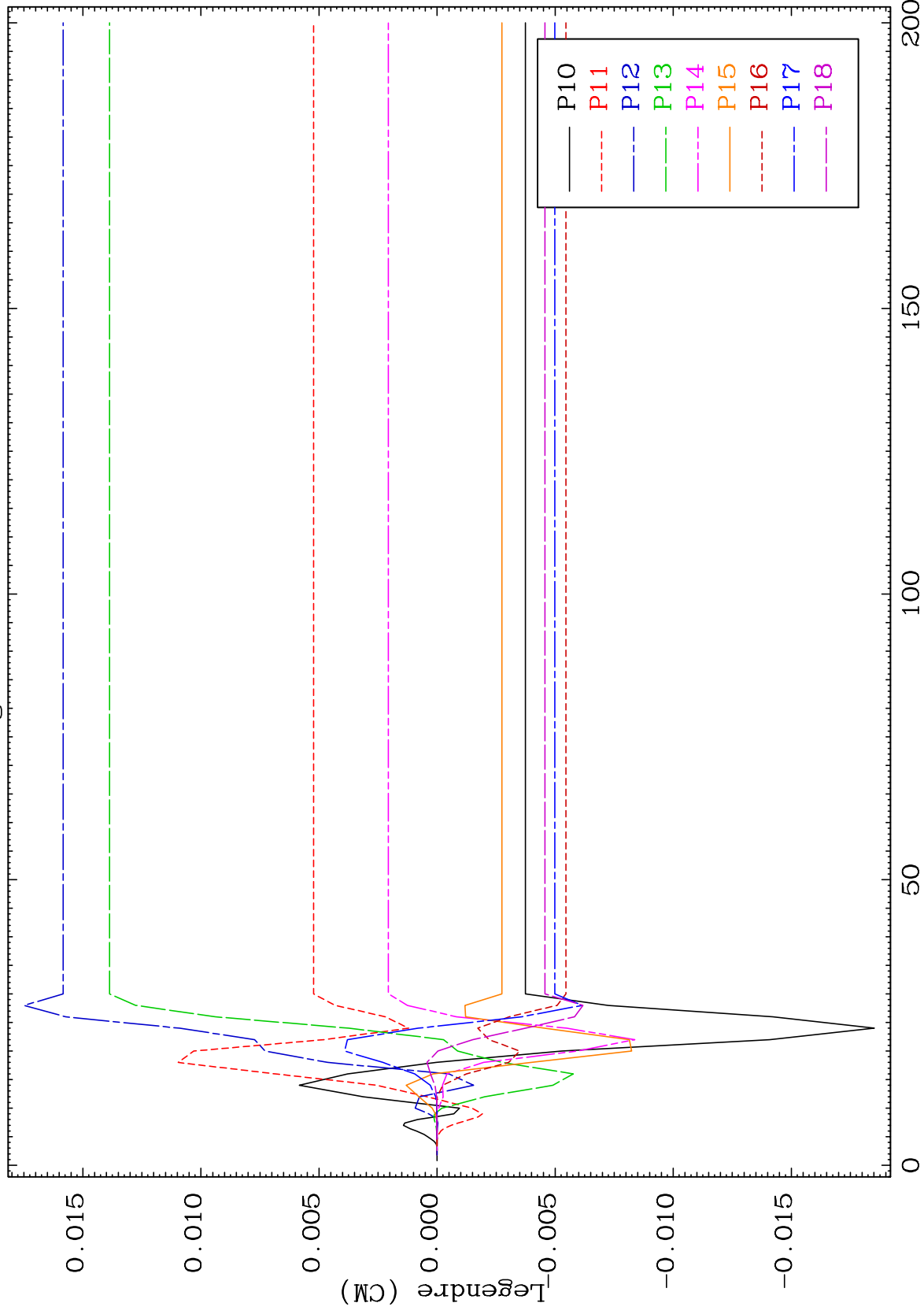




MAT 7252

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

72-Hf-183



34

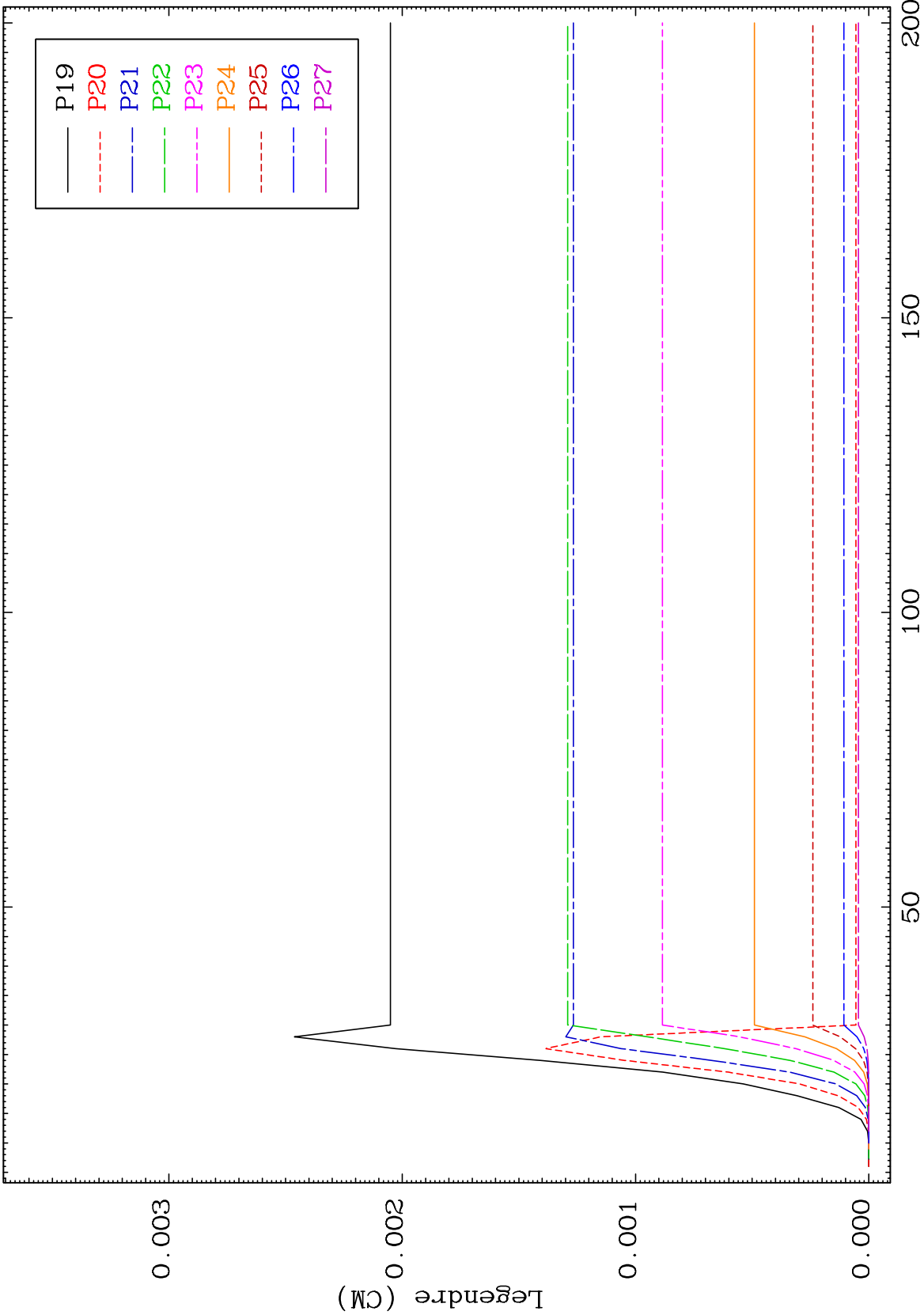
Incident Energy (MeV)

72-Hf-183

MAT 7252

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

72-Hf-183



35

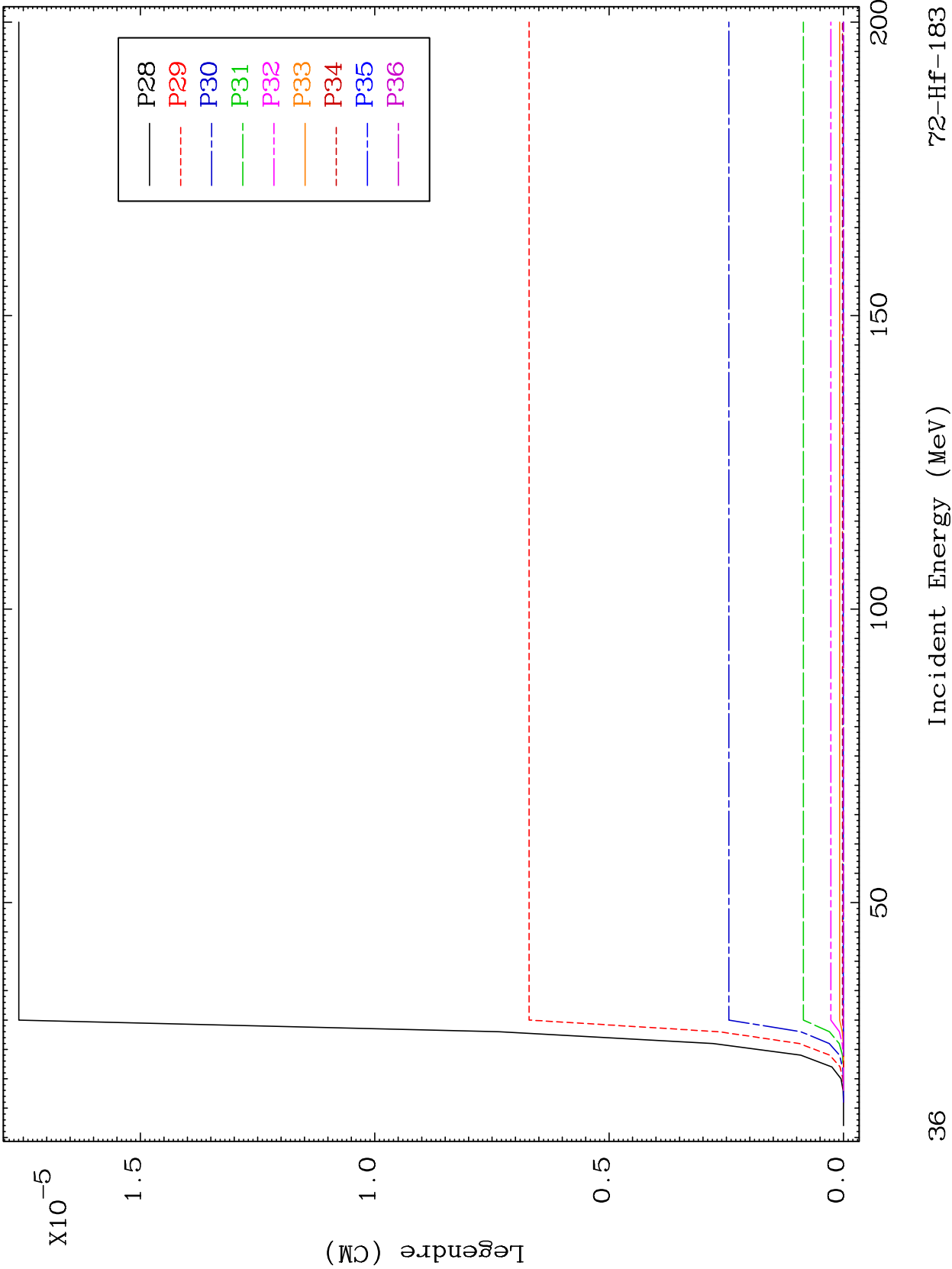
Incident Energy (MeV)

72-Hf-183

MAT 7252

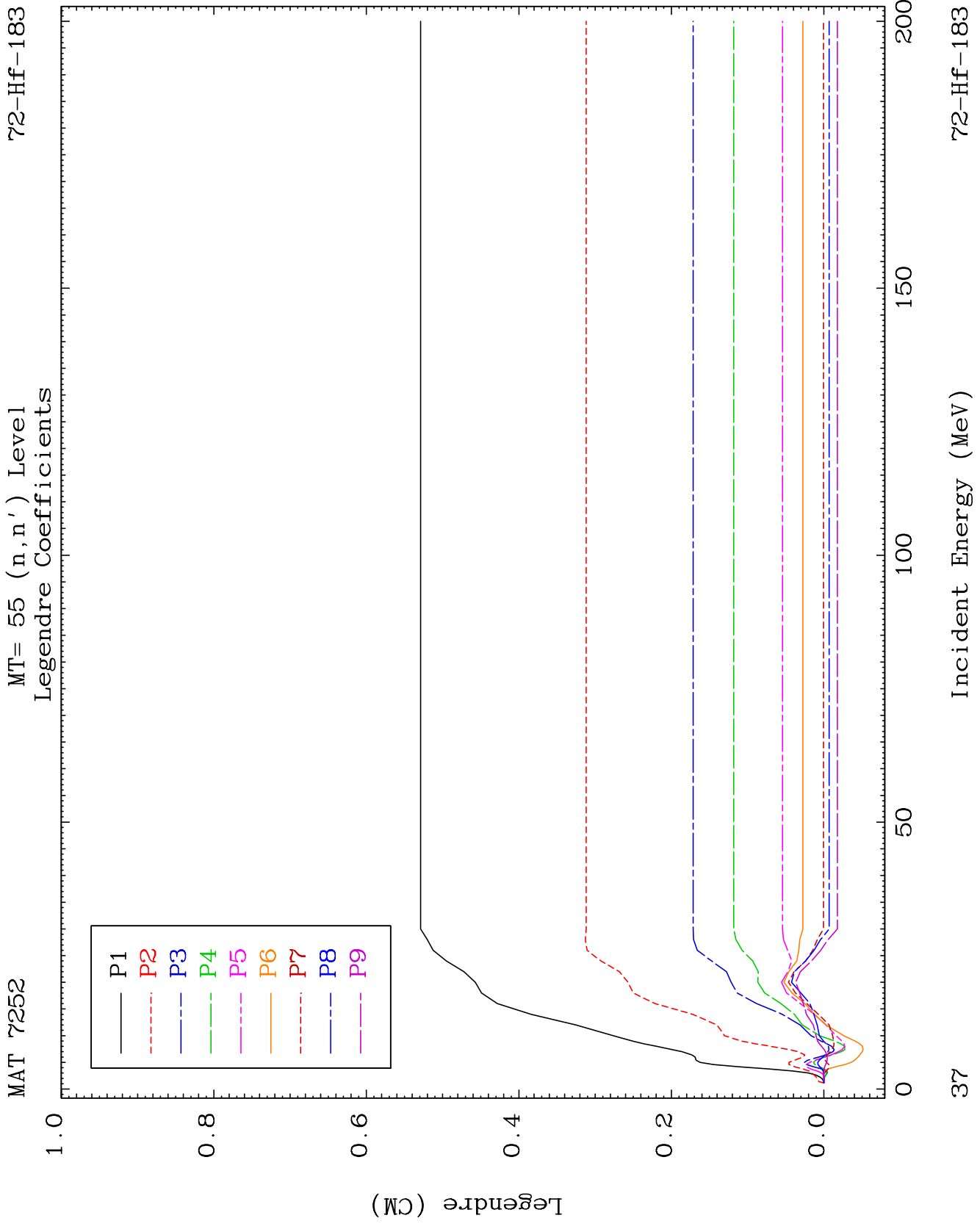
MT= 54 (n,n') Level
Legendre Coefficients

72-Hf-183



36

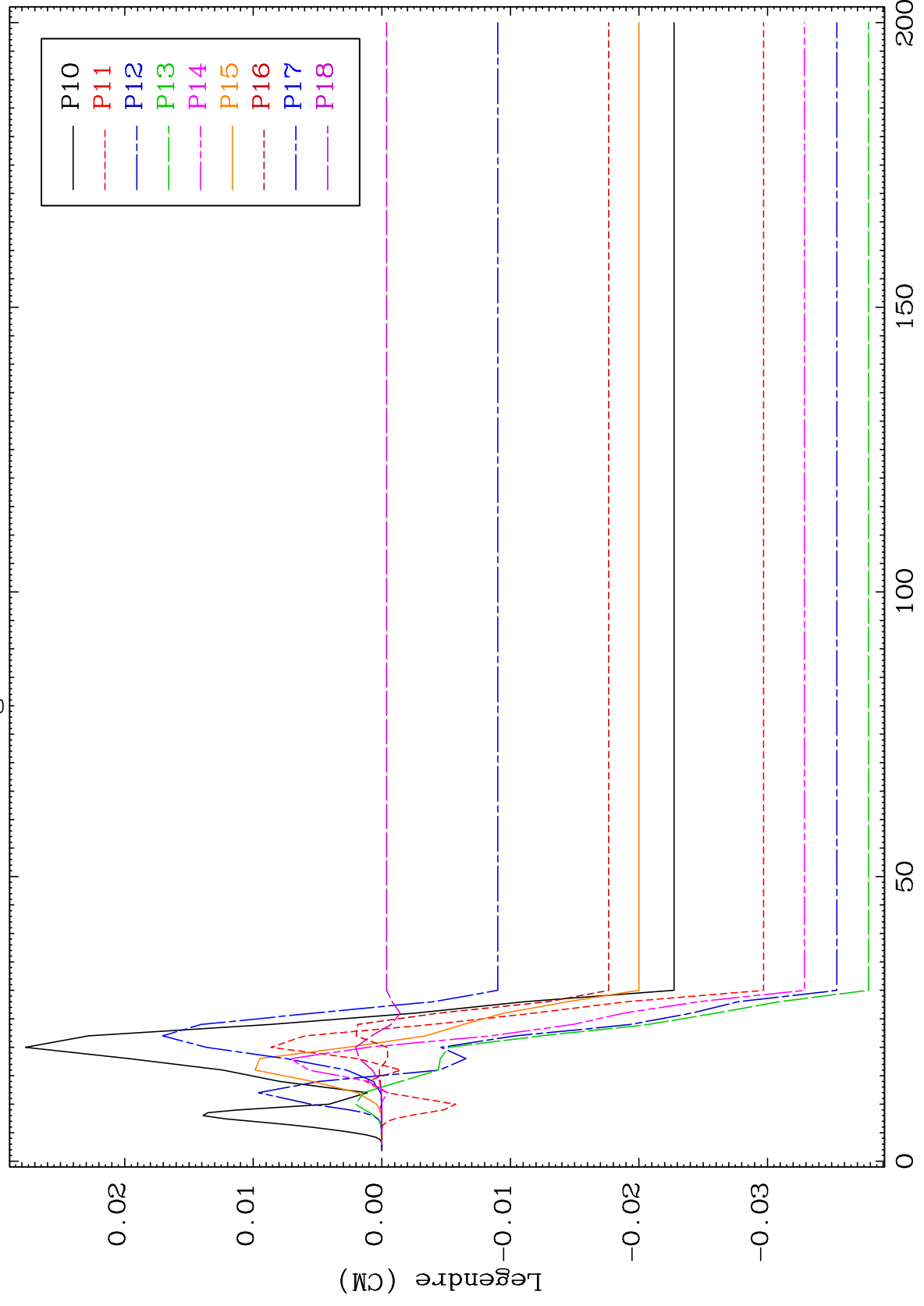
72-Hf-183



MAT 7252

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

72-Hf-183



38

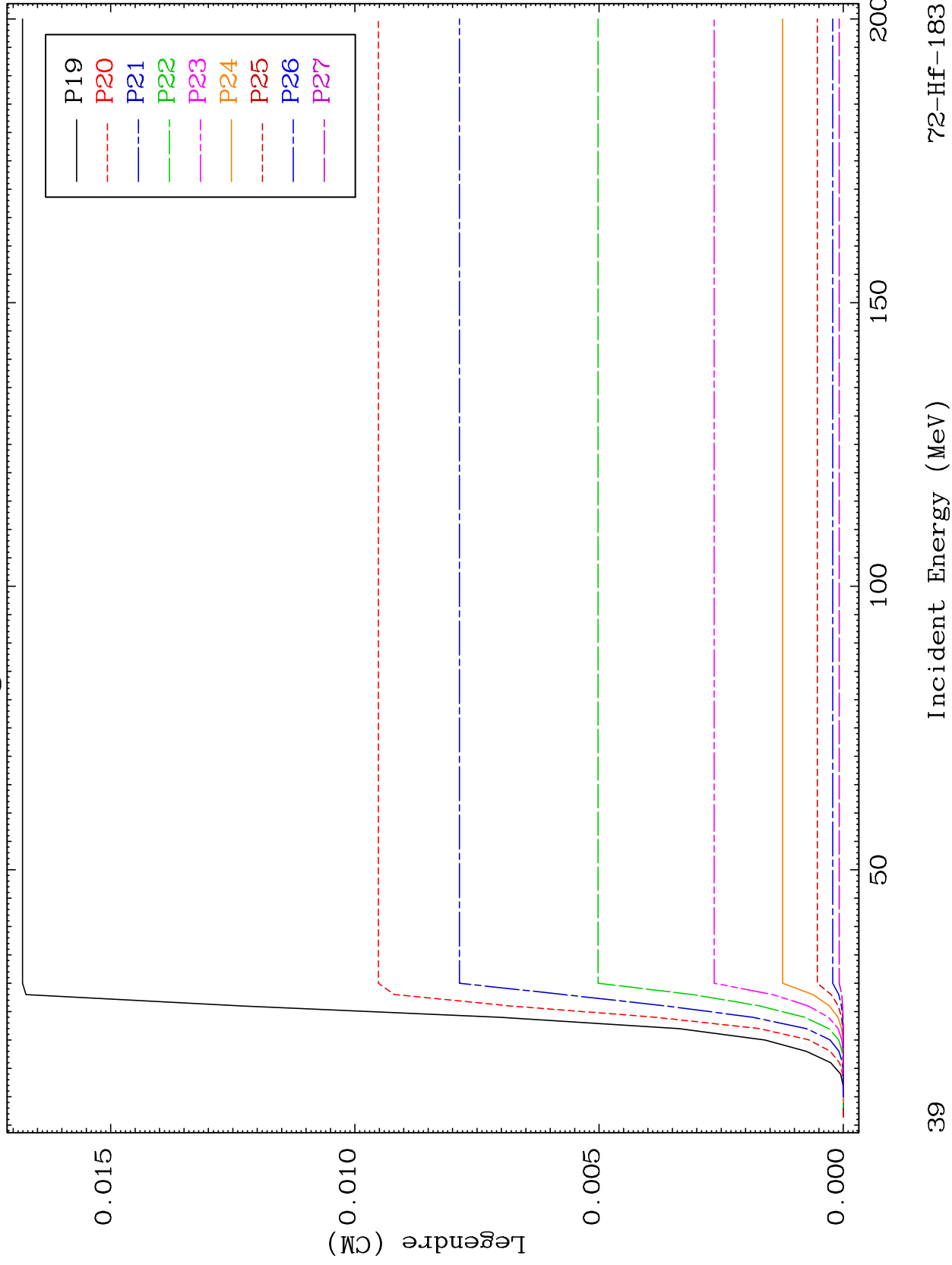
Incident Energy (MeV)

72-Hf-183

MAT 7252

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

72-Hf-183



39

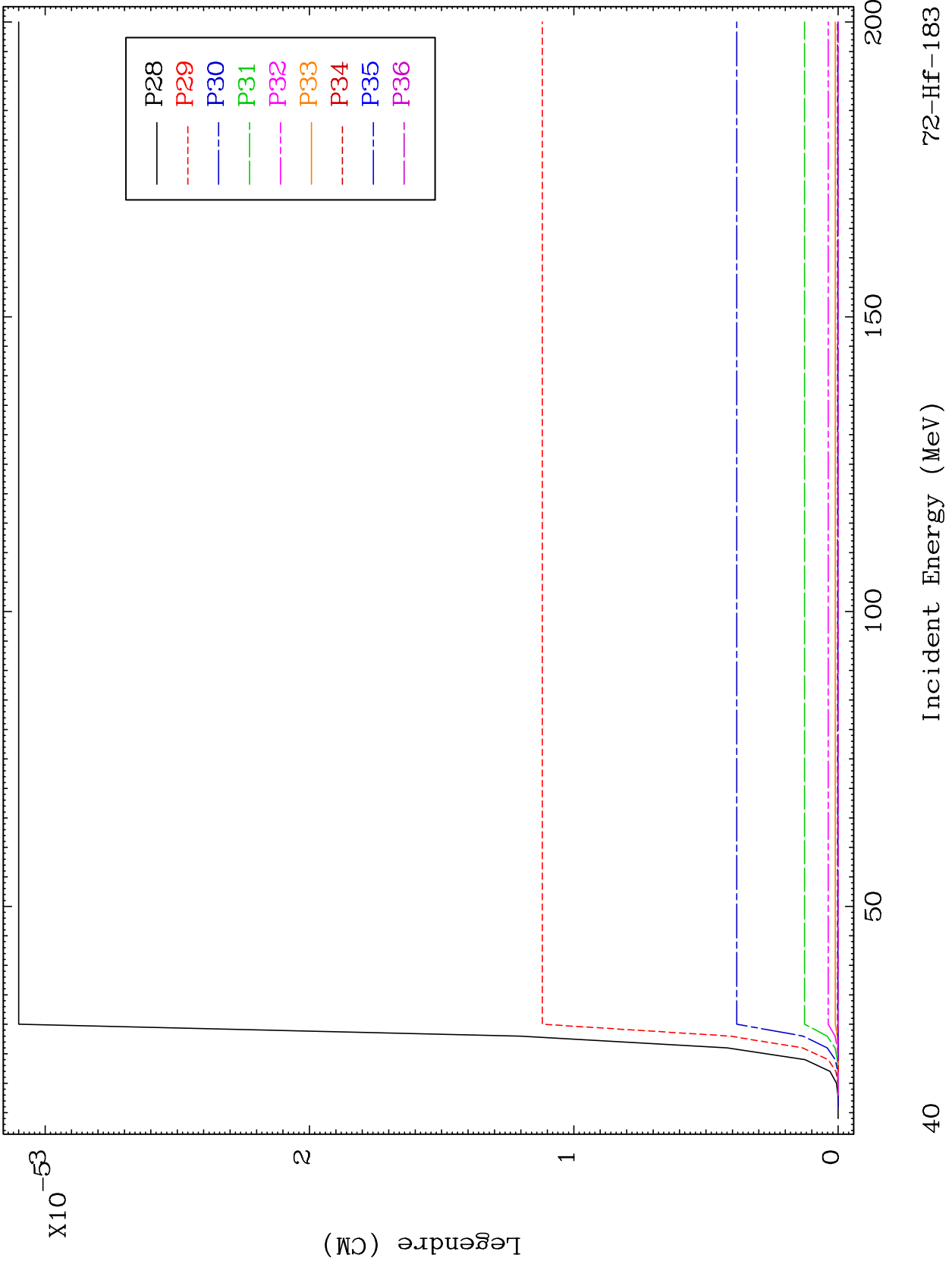
Incident Energy (MeV)

72-Hf-183

MAT 7252

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

72-Hf-183



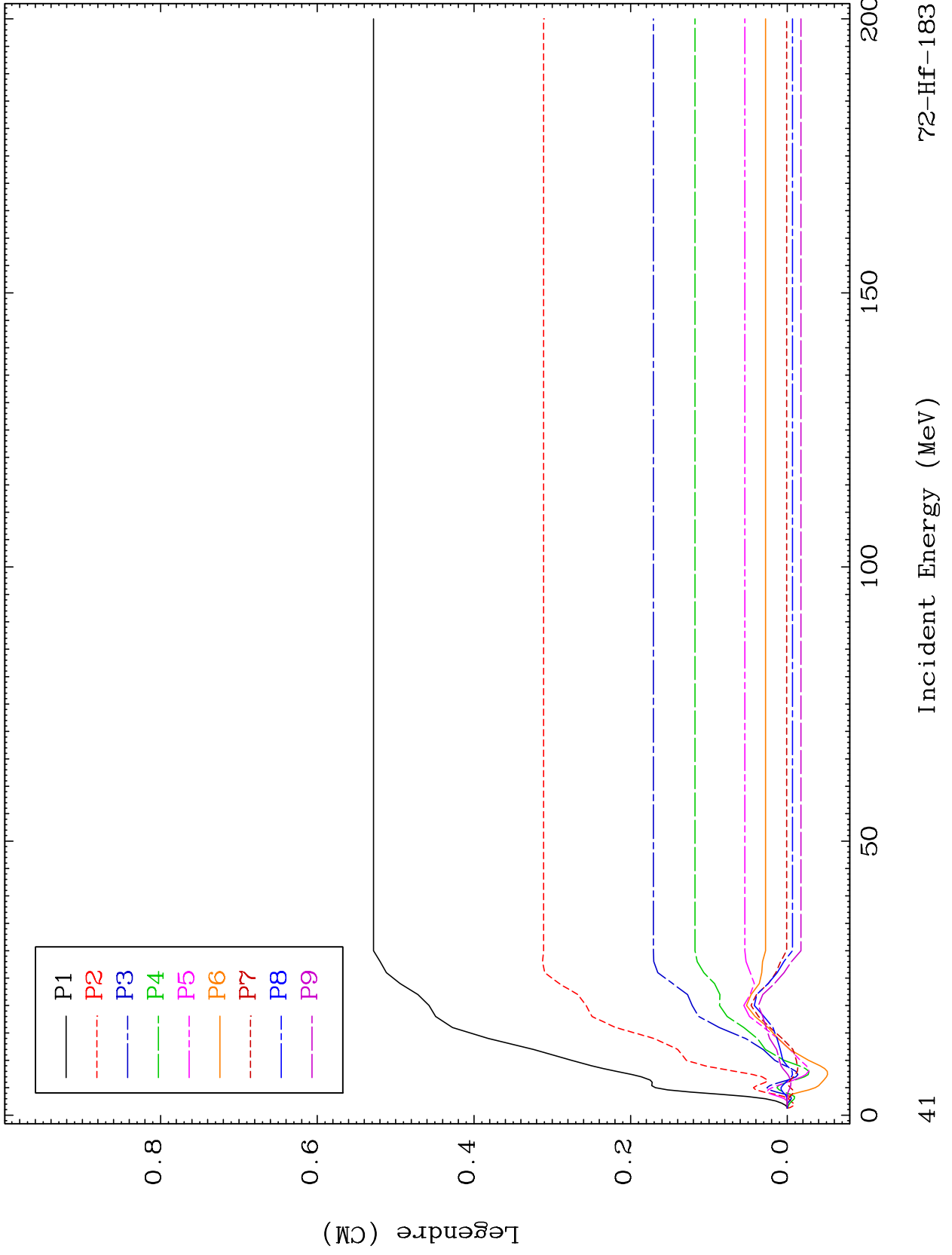
72-Hf-183

Incident Energy (MeV)

40

10^{-53}

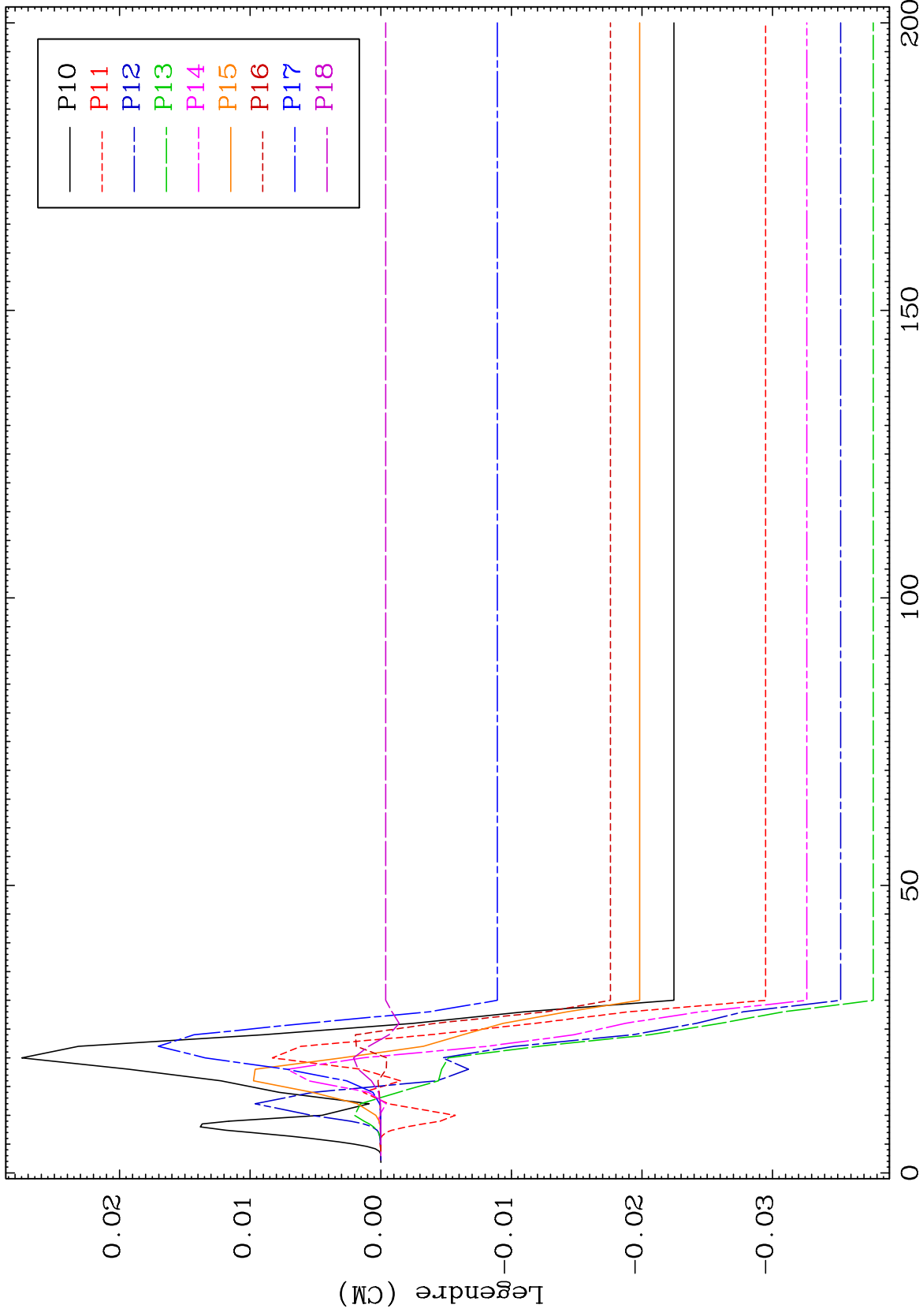
Legendre (CM)



MAT 7252

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

72-Hf-183



42

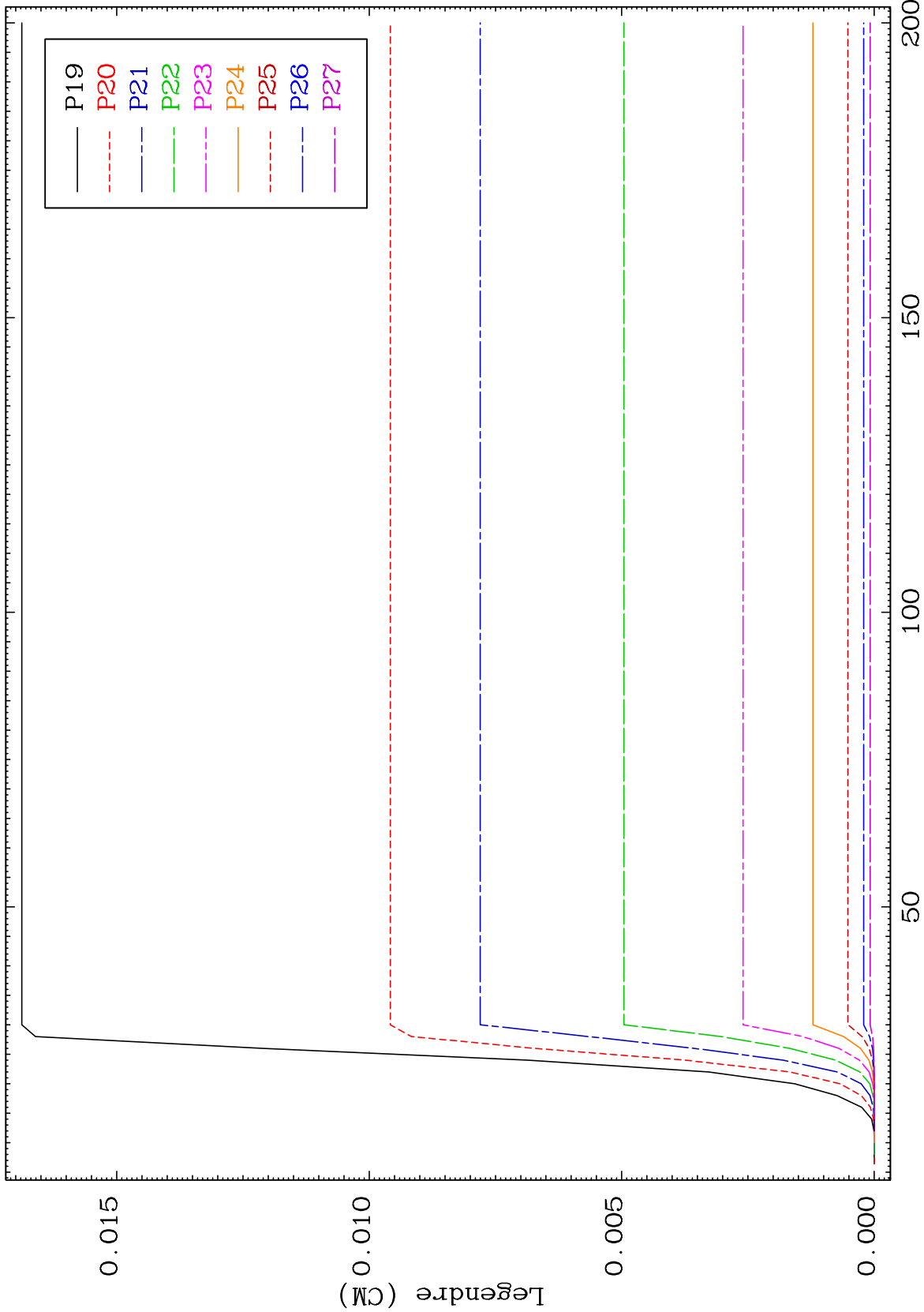
Incident Energy (MeV)

72-Hf-183

MAT 7252

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

72-Hf-183



43

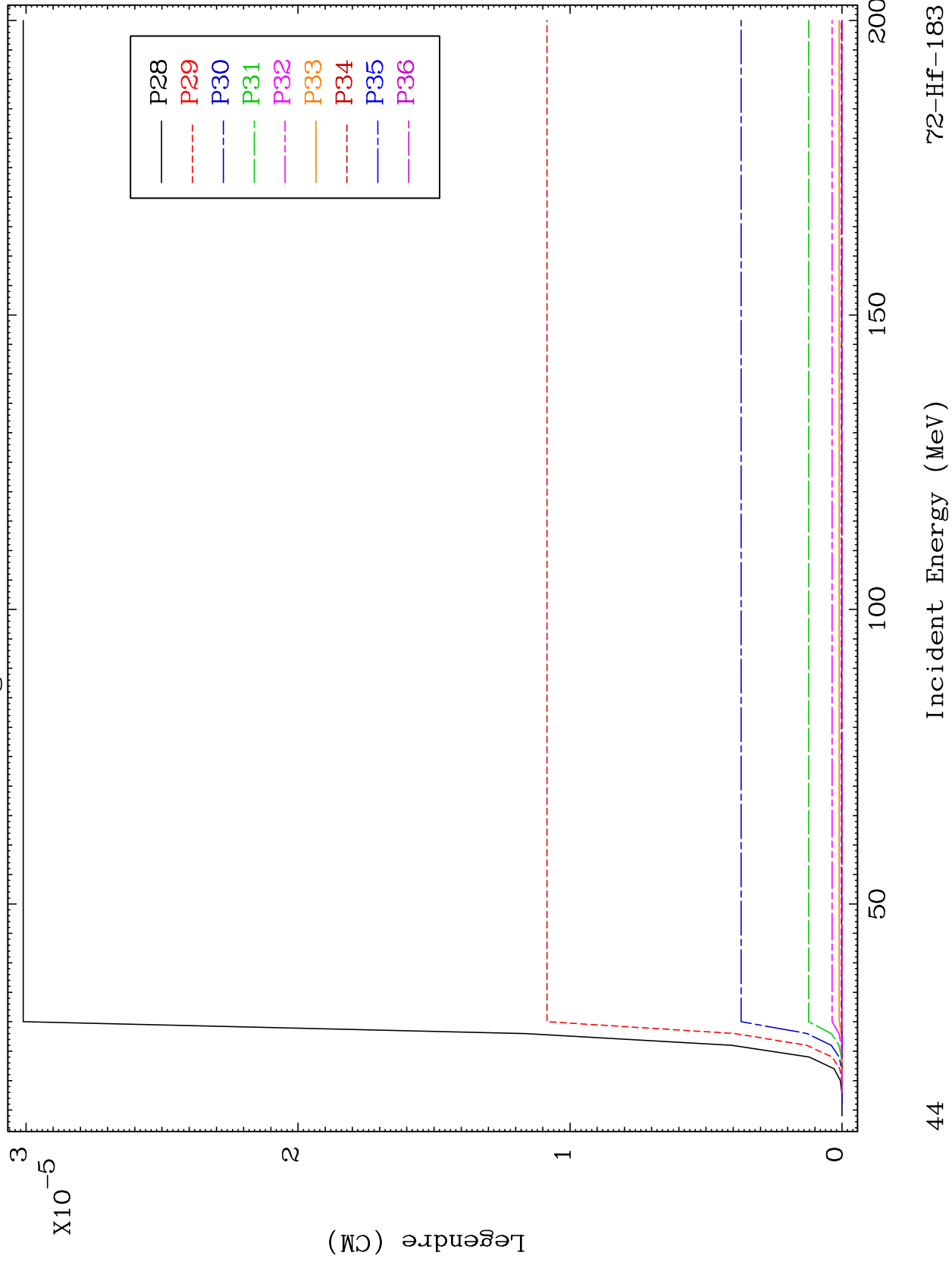
Incident Energy (MeV)

72-Hf-183

MAT 7252

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

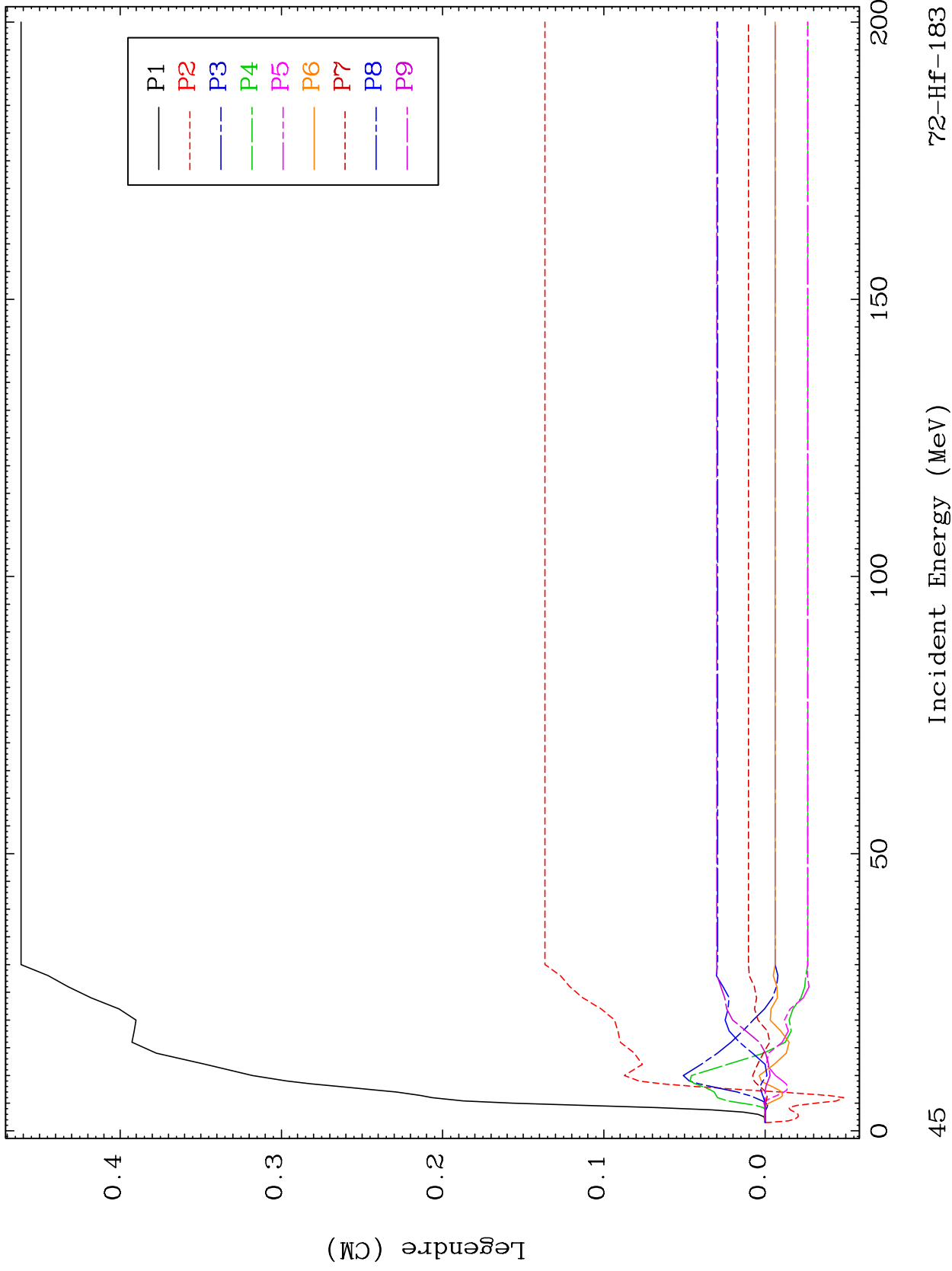
72-Hf-183



MAT 7252

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

72-Hf-183



72-Hf-183

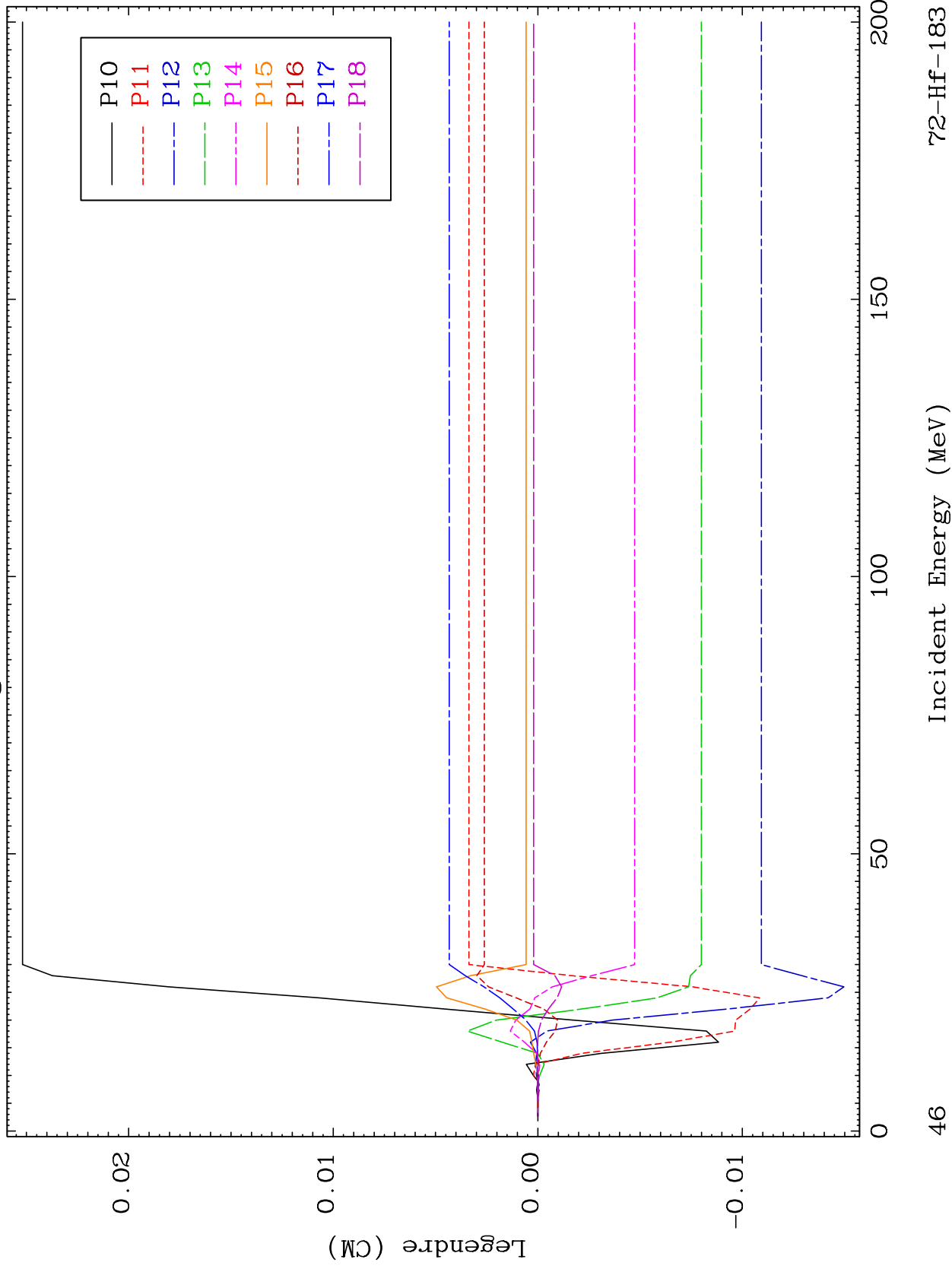
Incident Energy (MeV)

45

MAT 7252

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

72-Hf-183



46

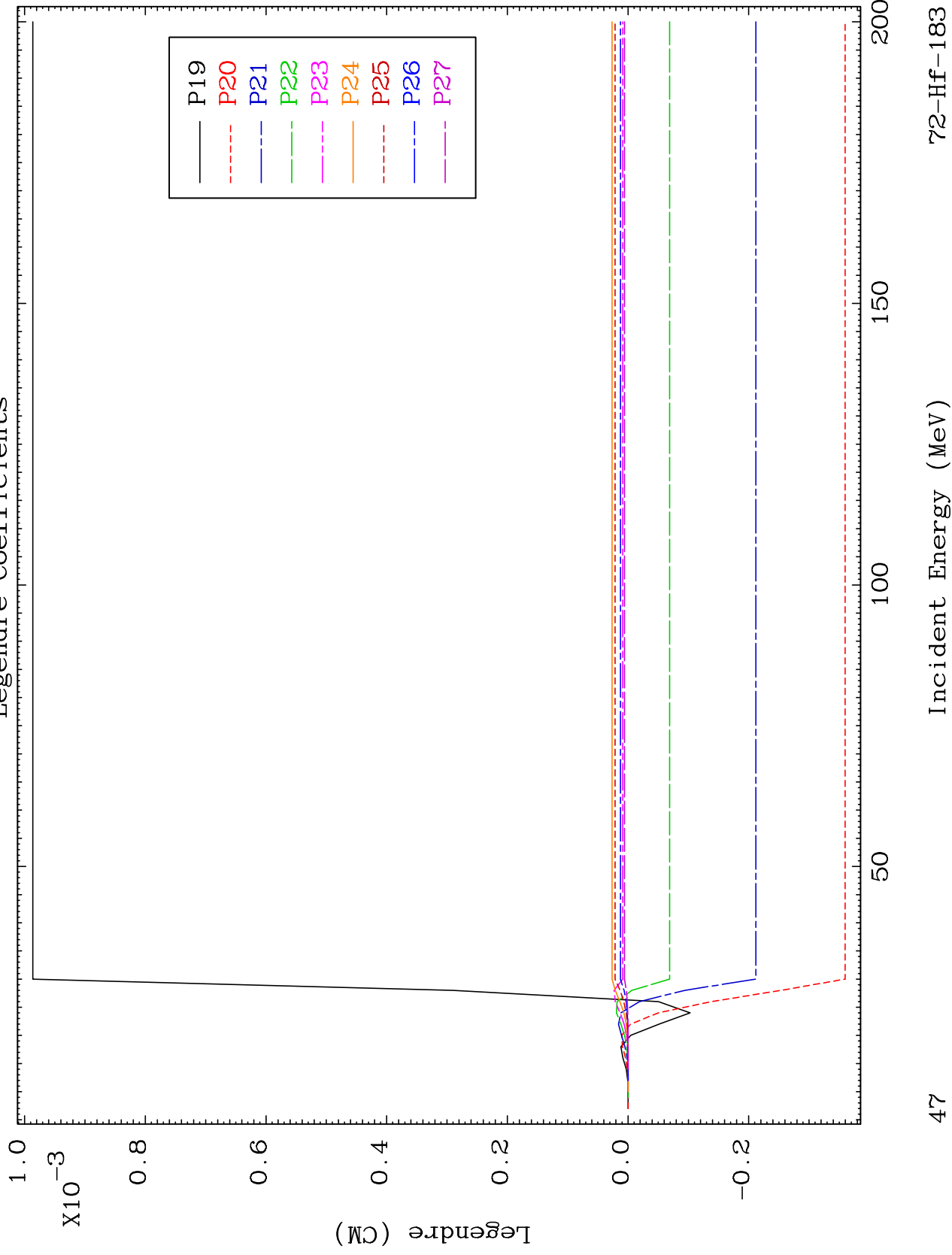
Incident Energy (MeV)

72-Hf-183

MAT 7252

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

72-Hf-183



47

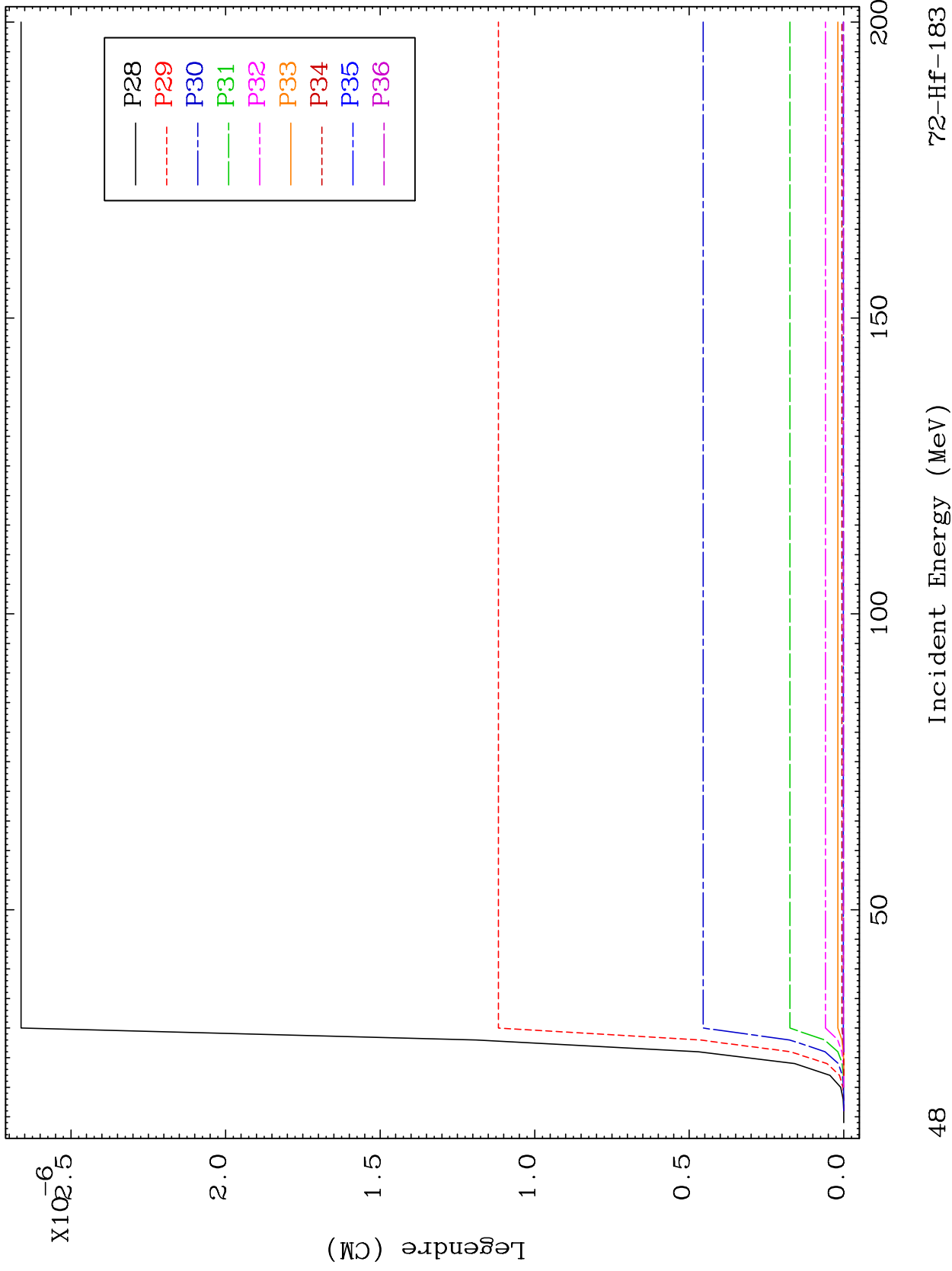
Incident Energy (MeV)

72-Hf-183

MAT 7252

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

72-Hf-183



48

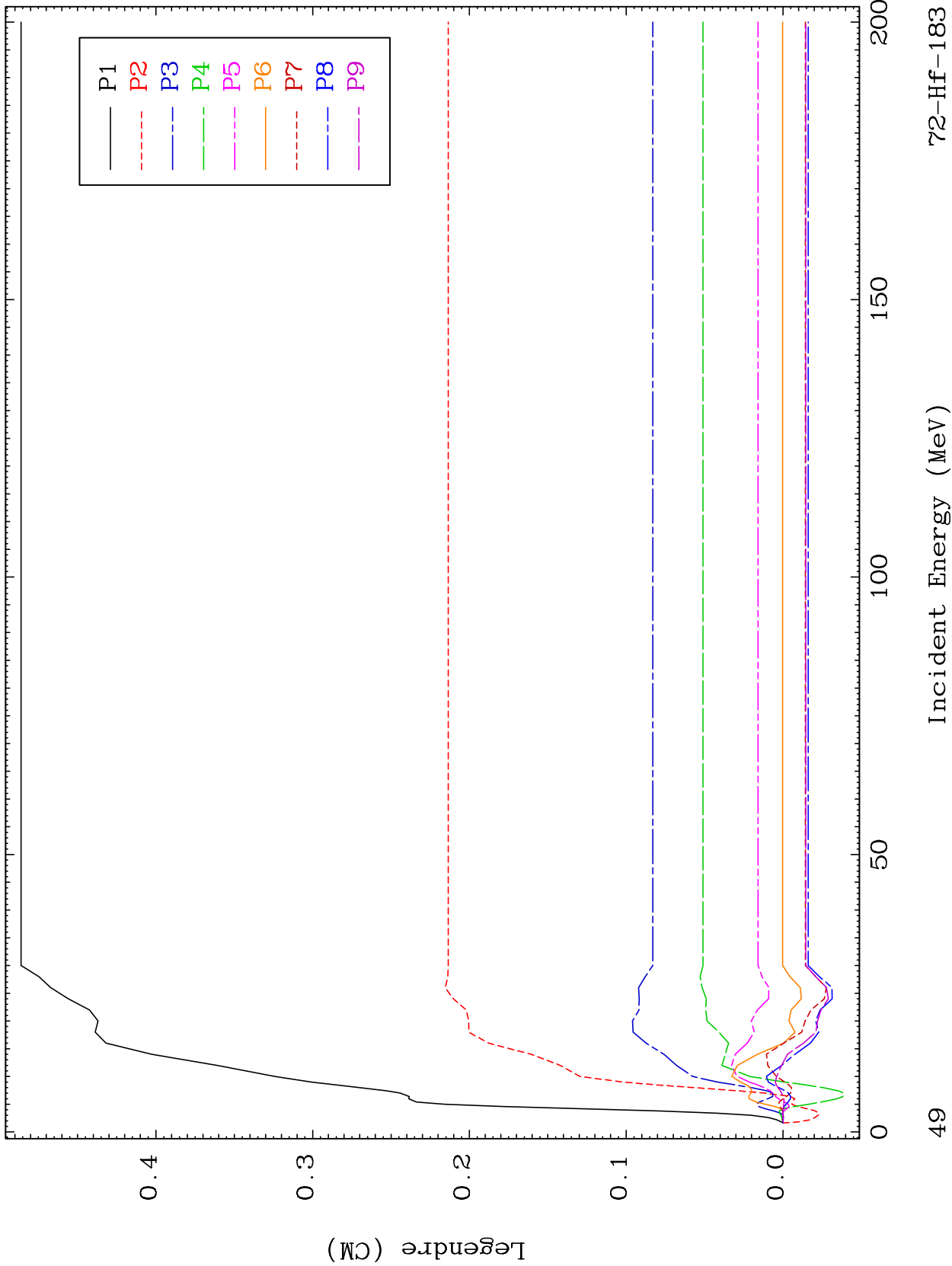
Incident Energy (MeV)

72-Hf-183

MAT 7252

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

72-Hf-183



49

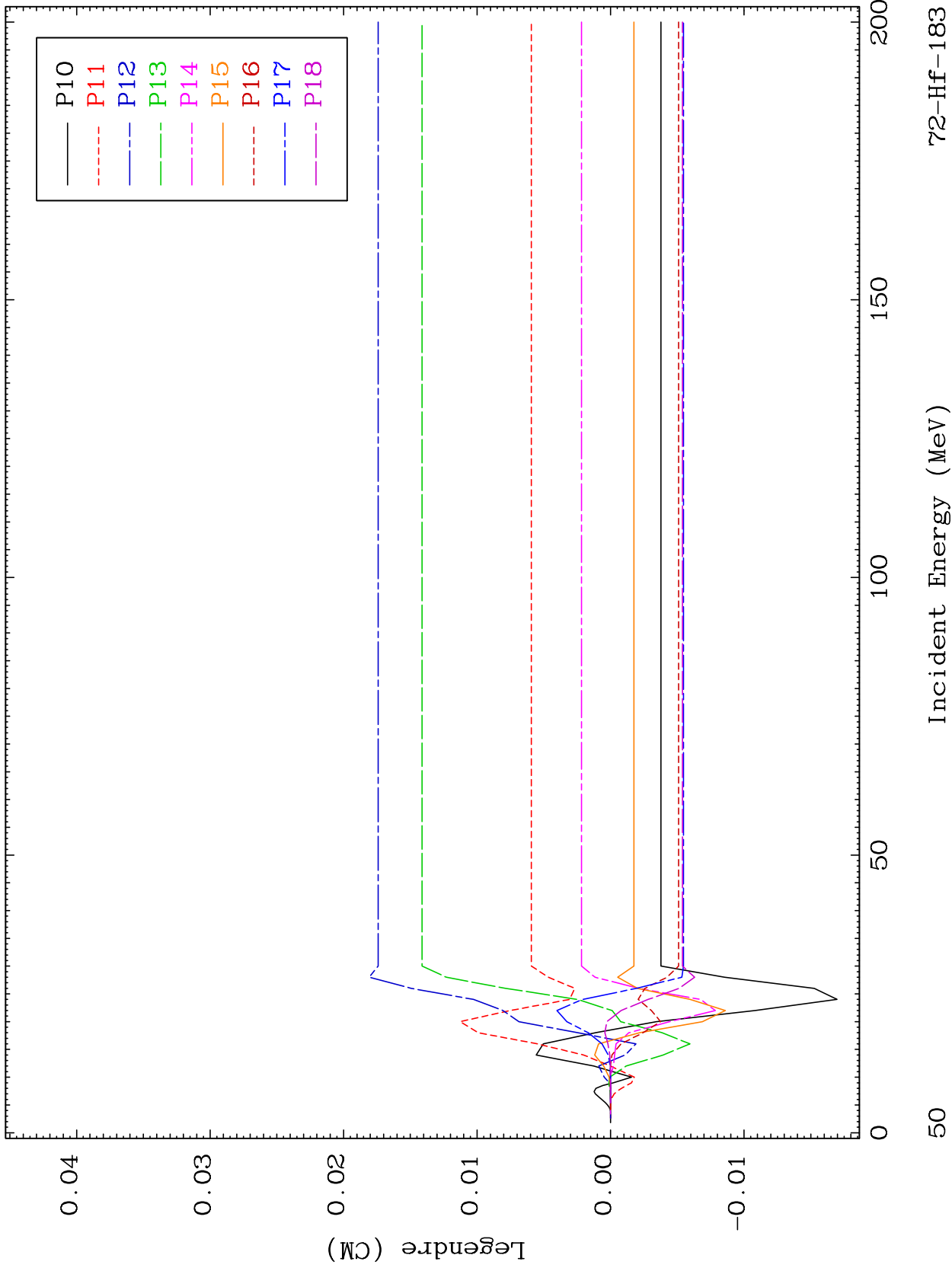
Incident Energy (MeV)

72-Hf-183

MAT 7252

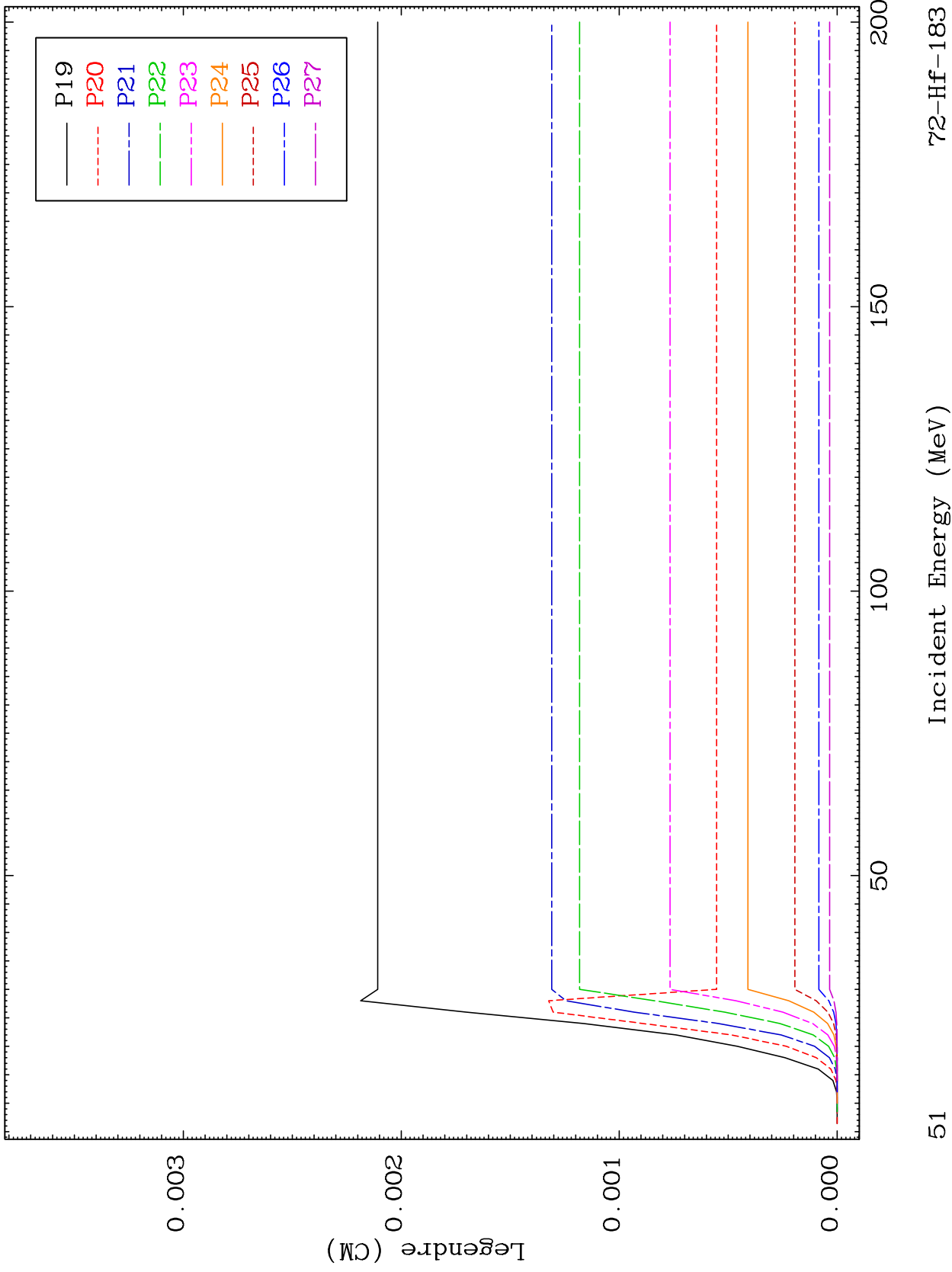
MT= 58 (n,n') Level
Legendre Coefficients

72-Hf-183



72-Hf-183

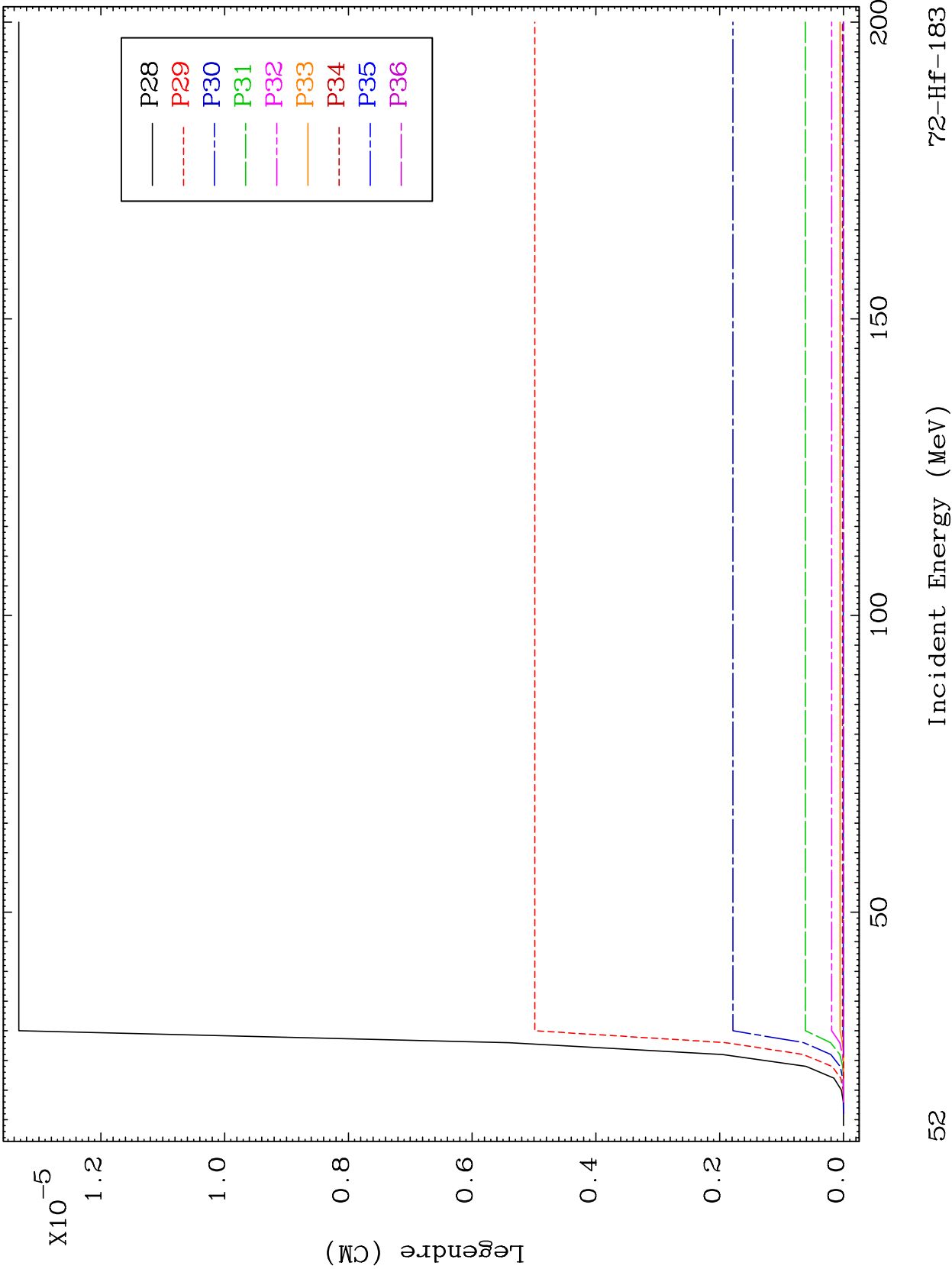
Incident Energy (MeV)



MAT 7252

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

72-Hf-183



52

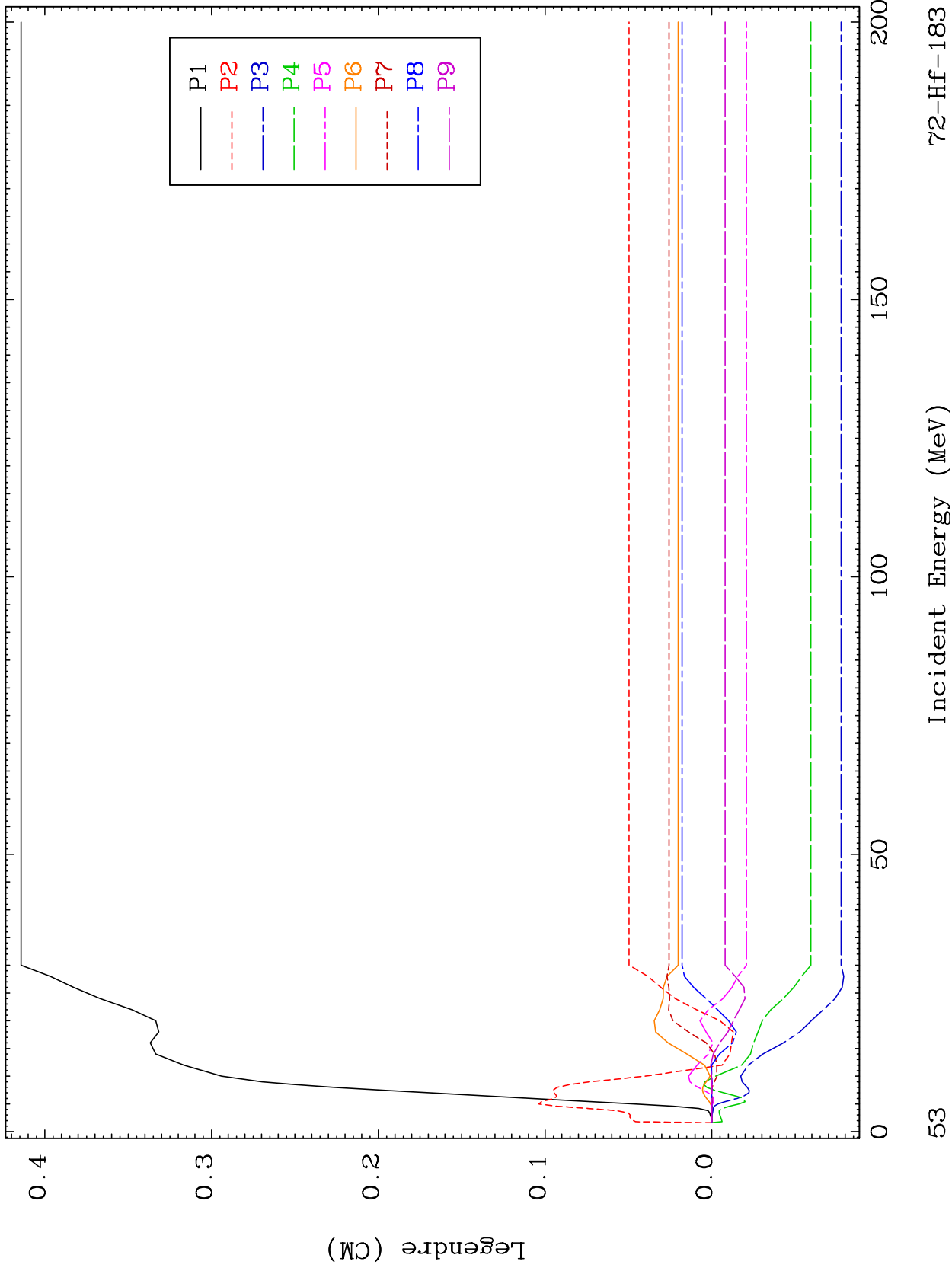
Incident Energy (MeV)

72-Hf-183

MAT 7252

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

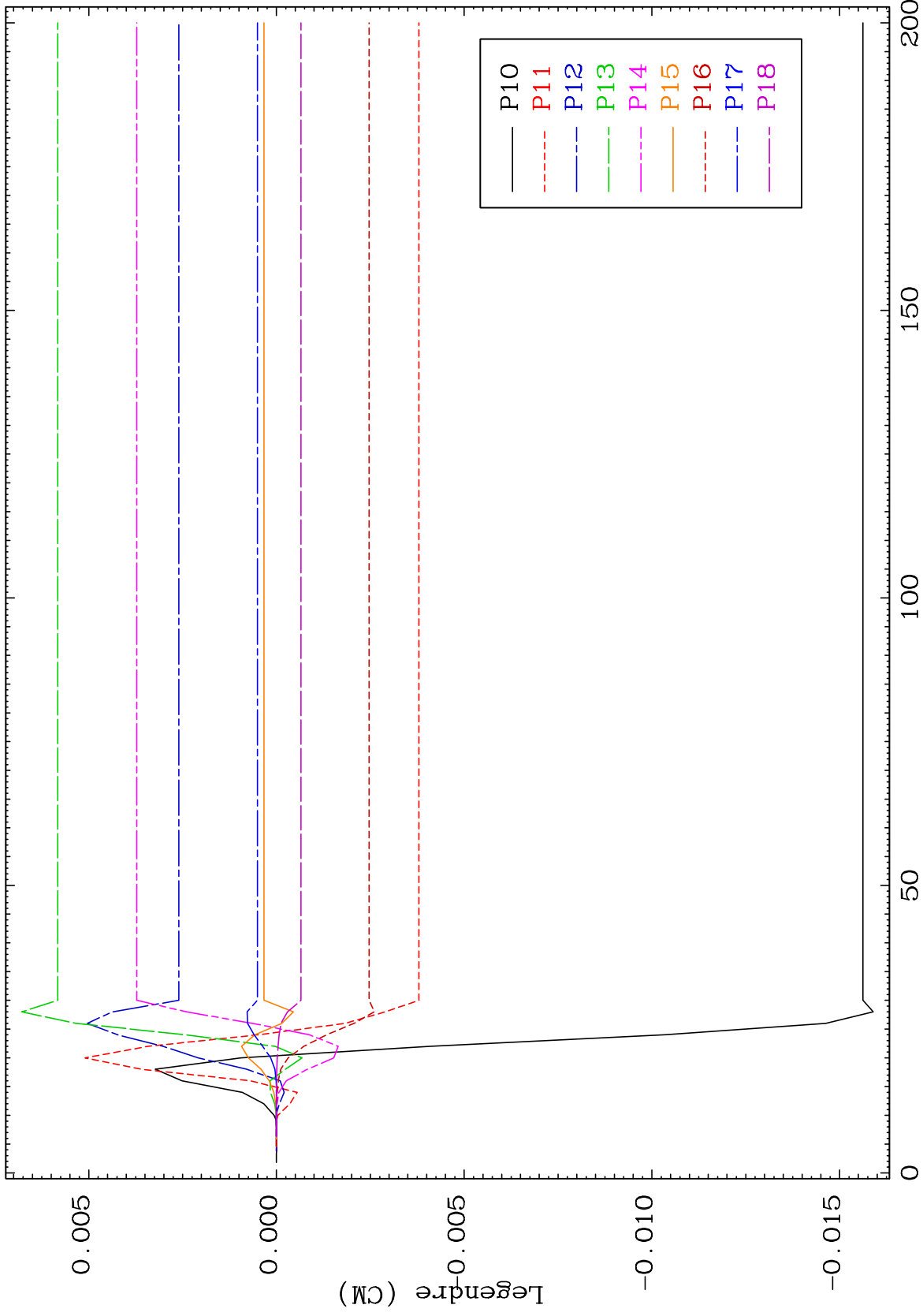
72-Hf-183



72-Hf-183

Incident Energy (MeV)

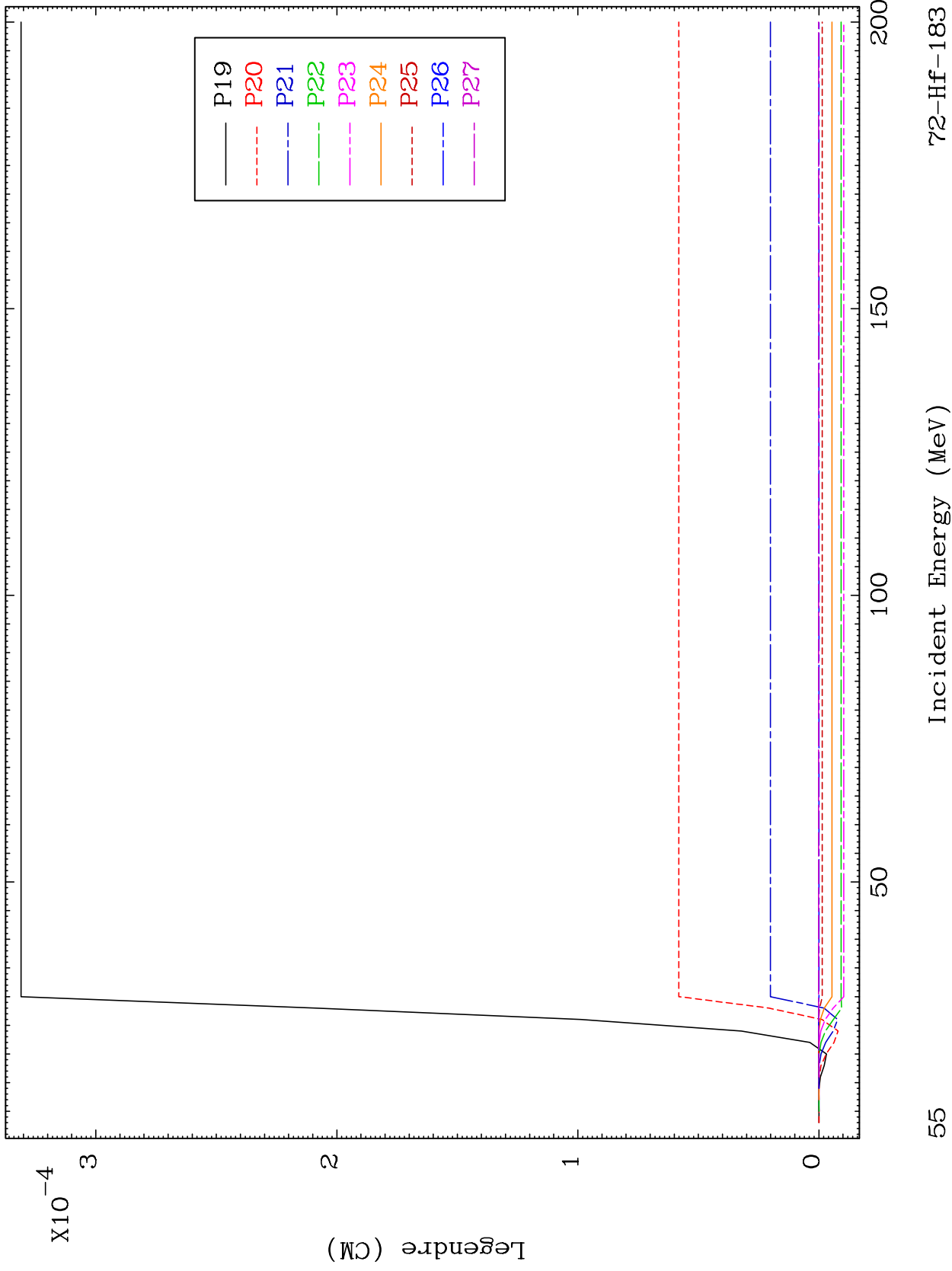
53



MAT 7252

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

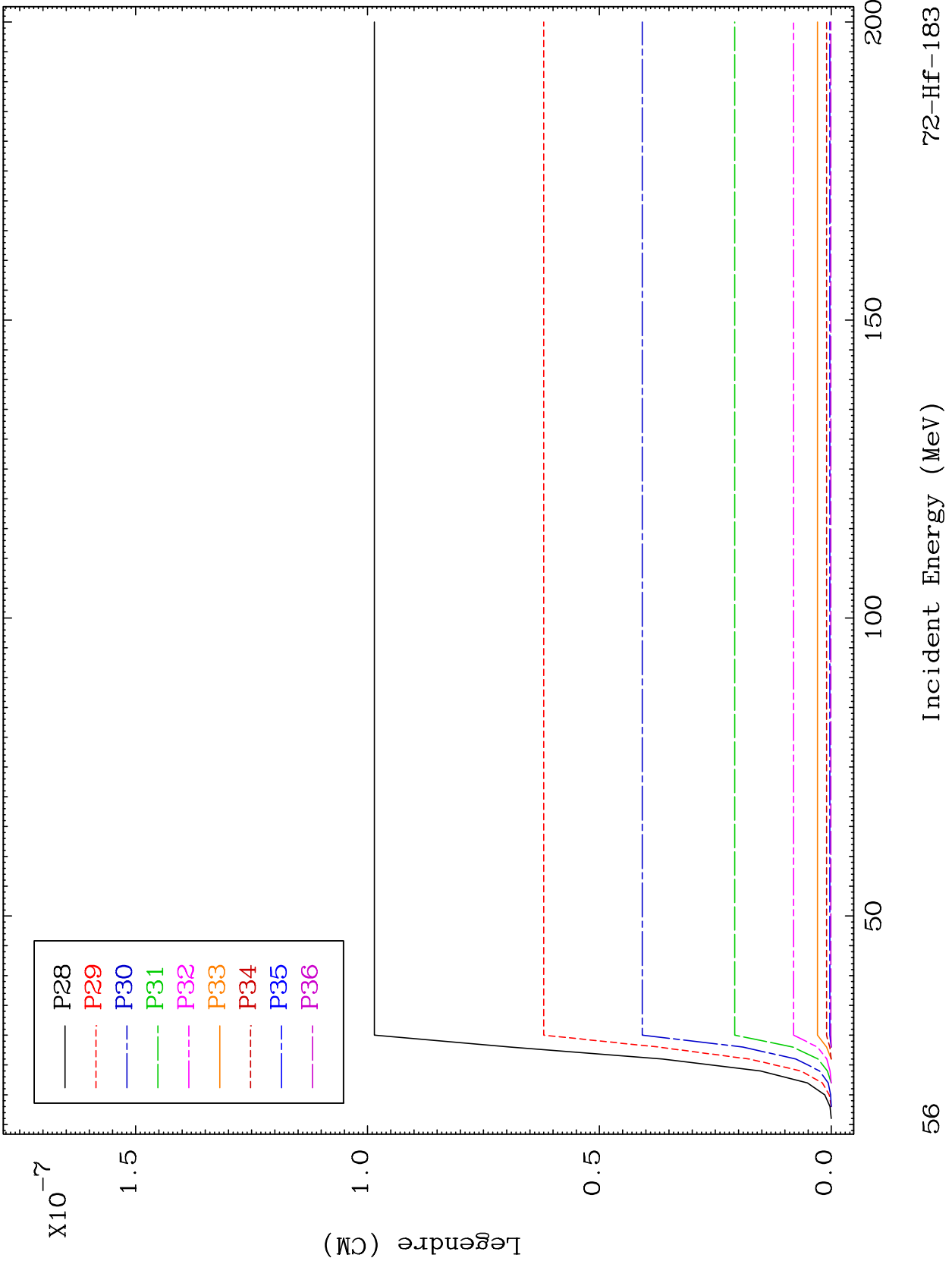
72-Hf-183

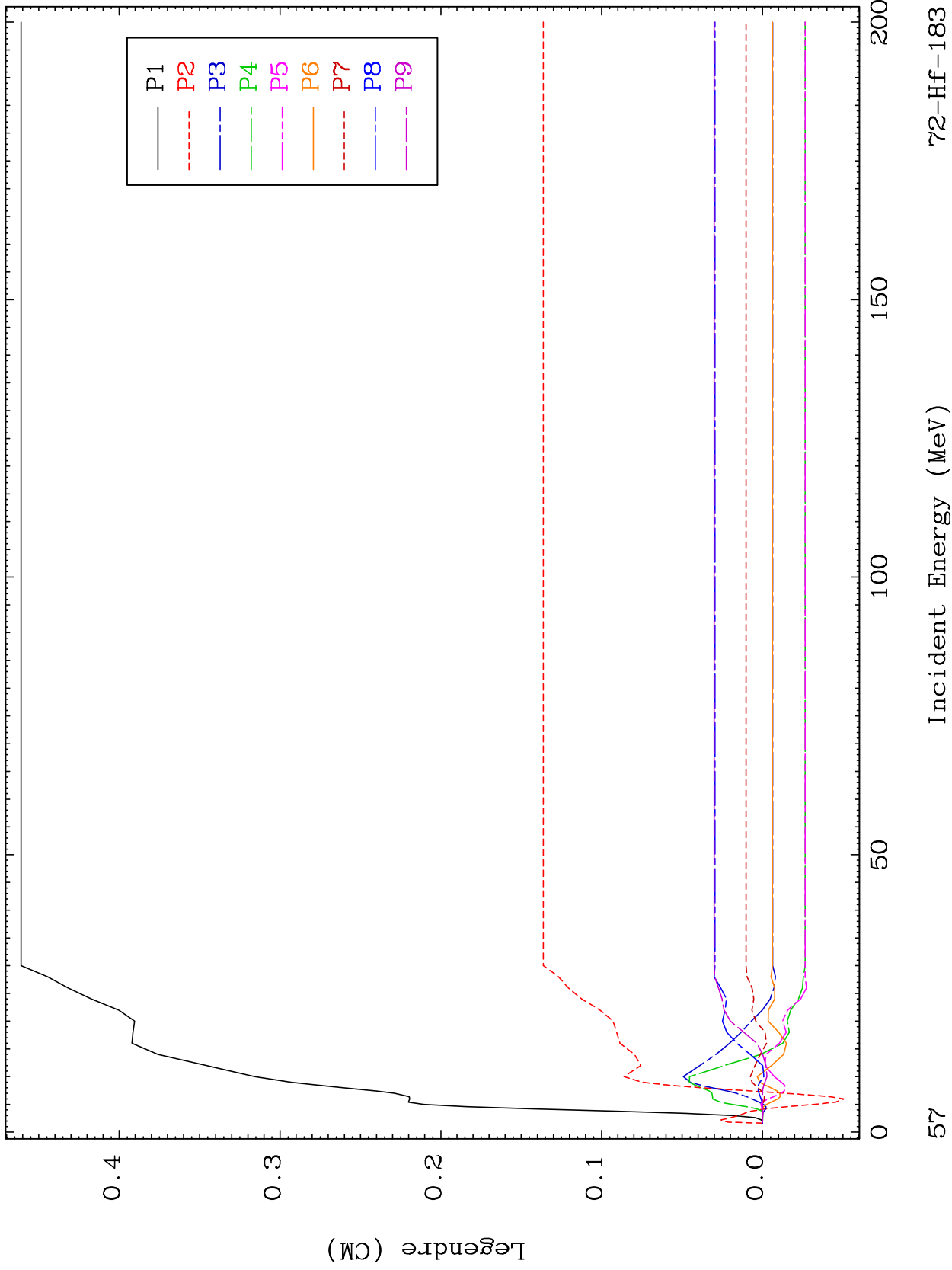


55

Incident Energy (MeV)

72-Hf-183

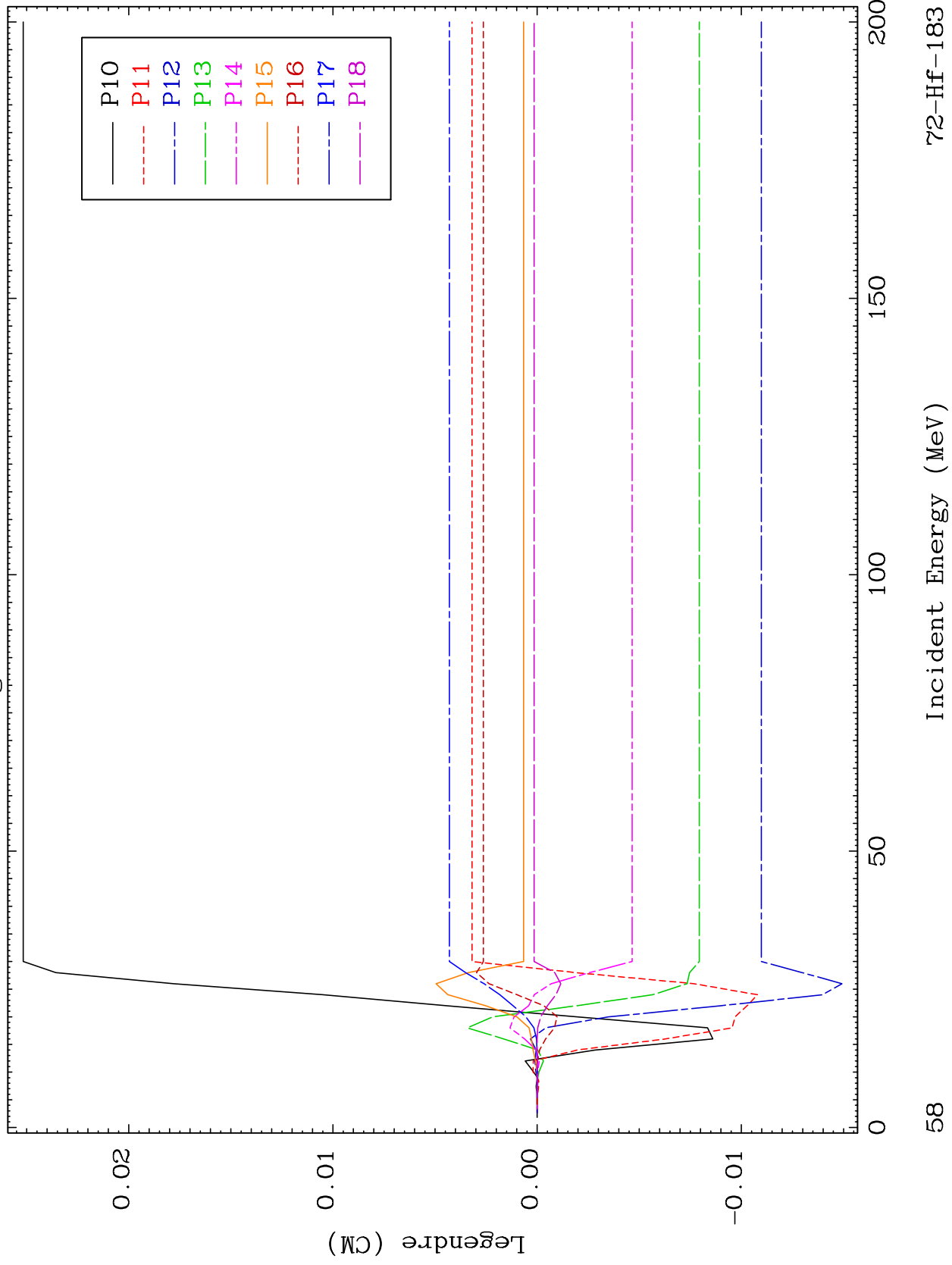




MAT 7252

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

72-Hf-183



72-Hf-183

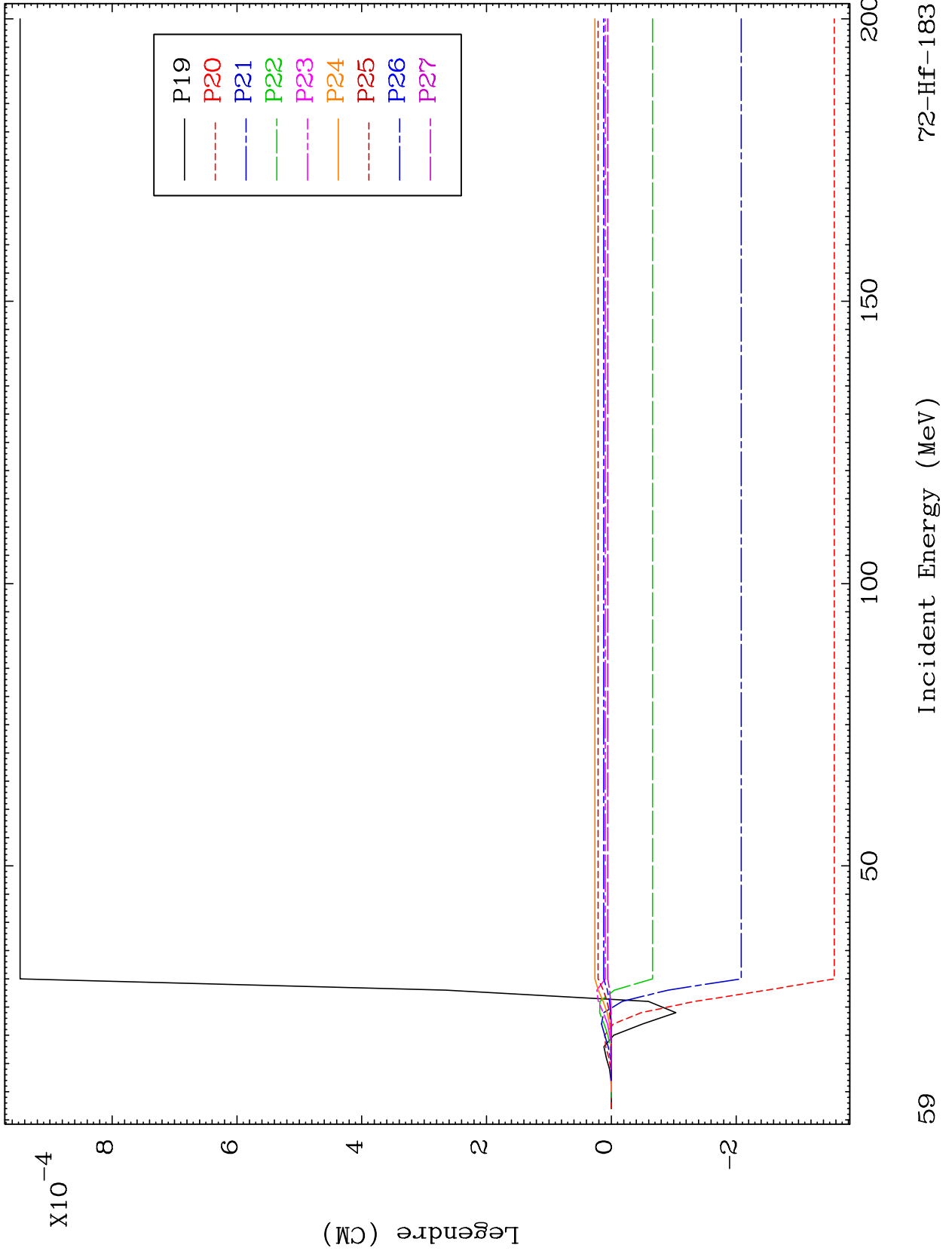
Incident Energy (MeV)

58

MAT 7252

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

72-Hf-183



59

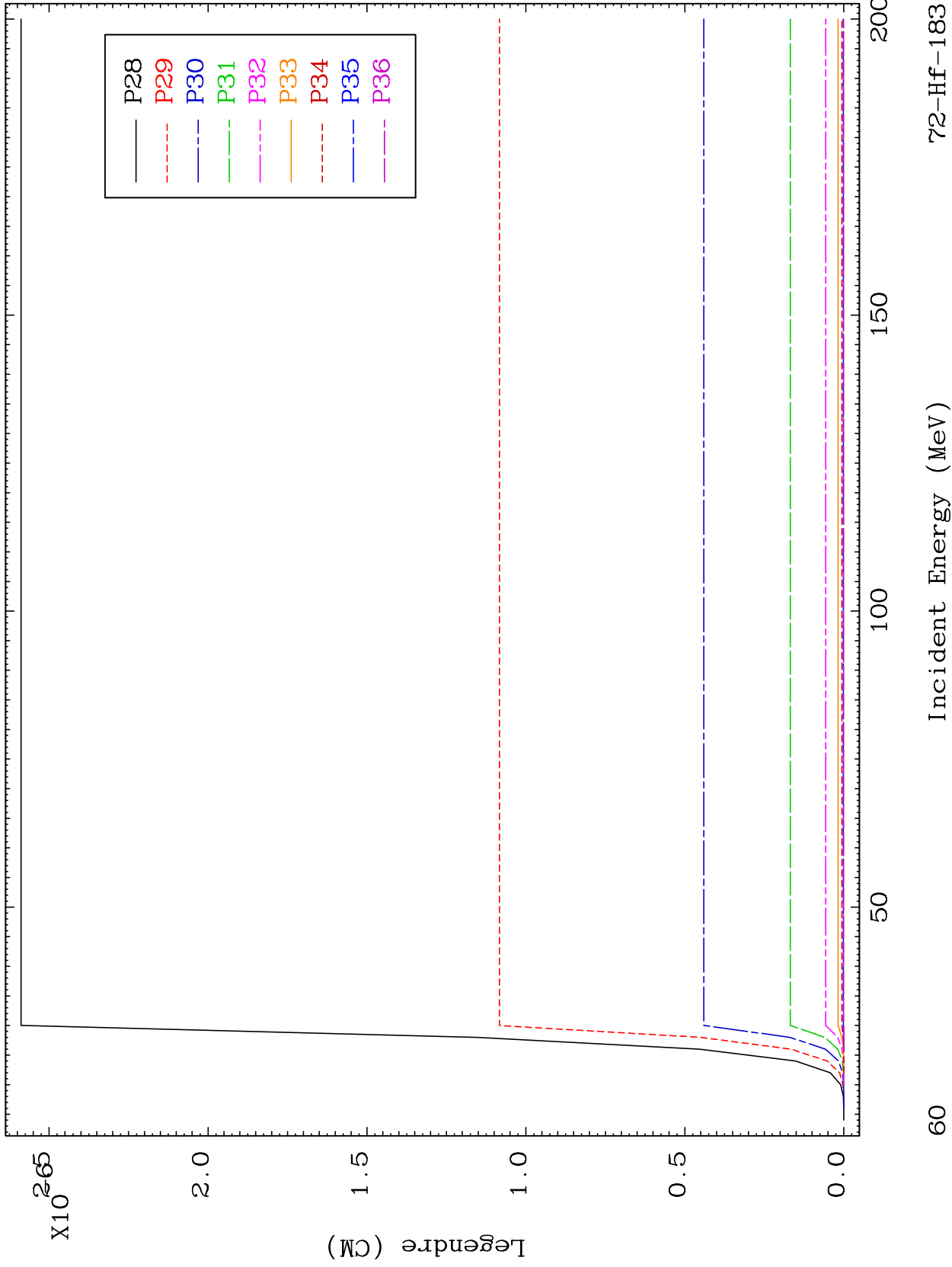
Incident Energy (MeV)

72-Hf-183

MAT 7252

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

72-Hf-183

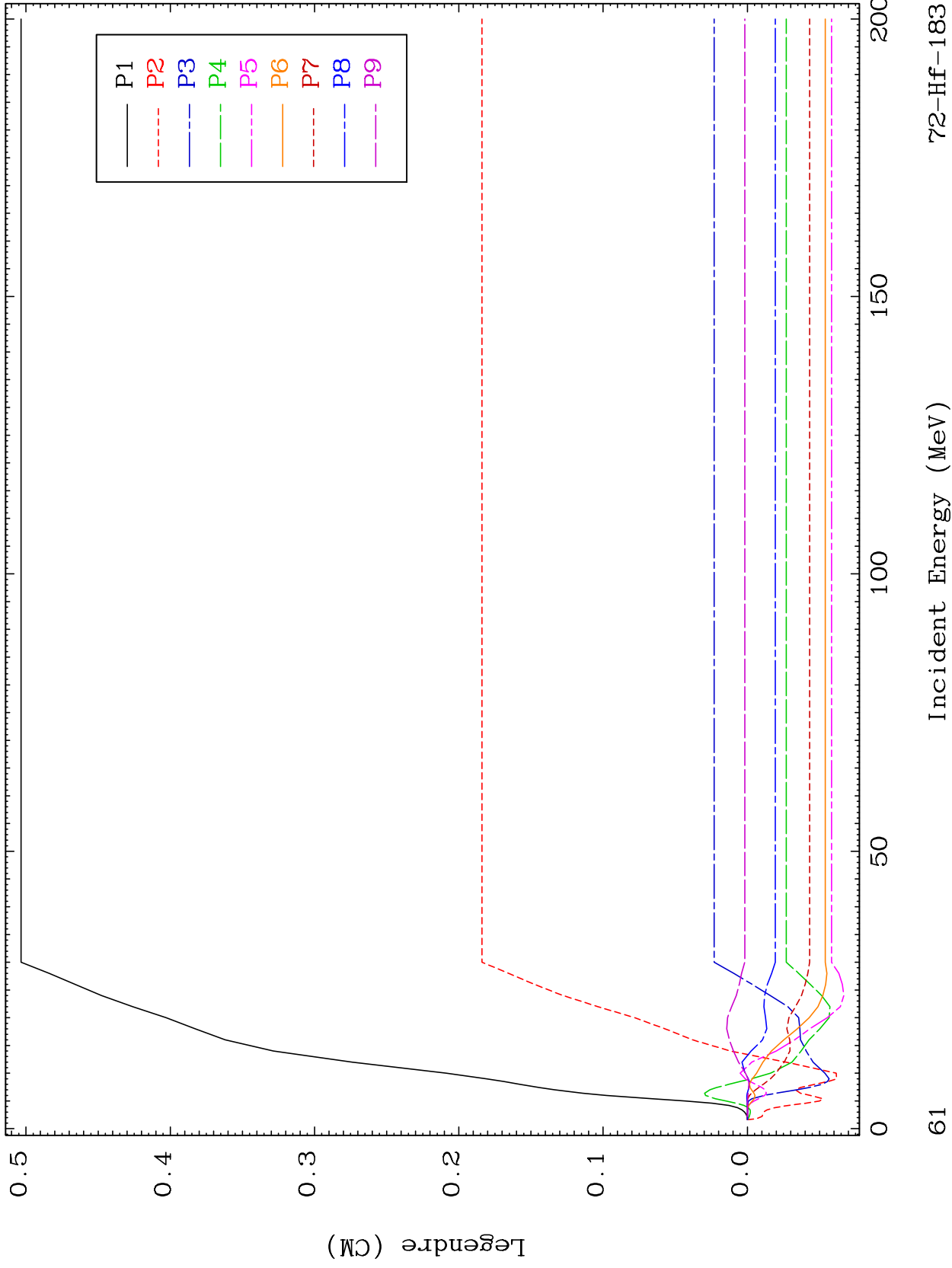


72-Hf-183

MAT 7252

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

72-Hf-183



72-Hf-183

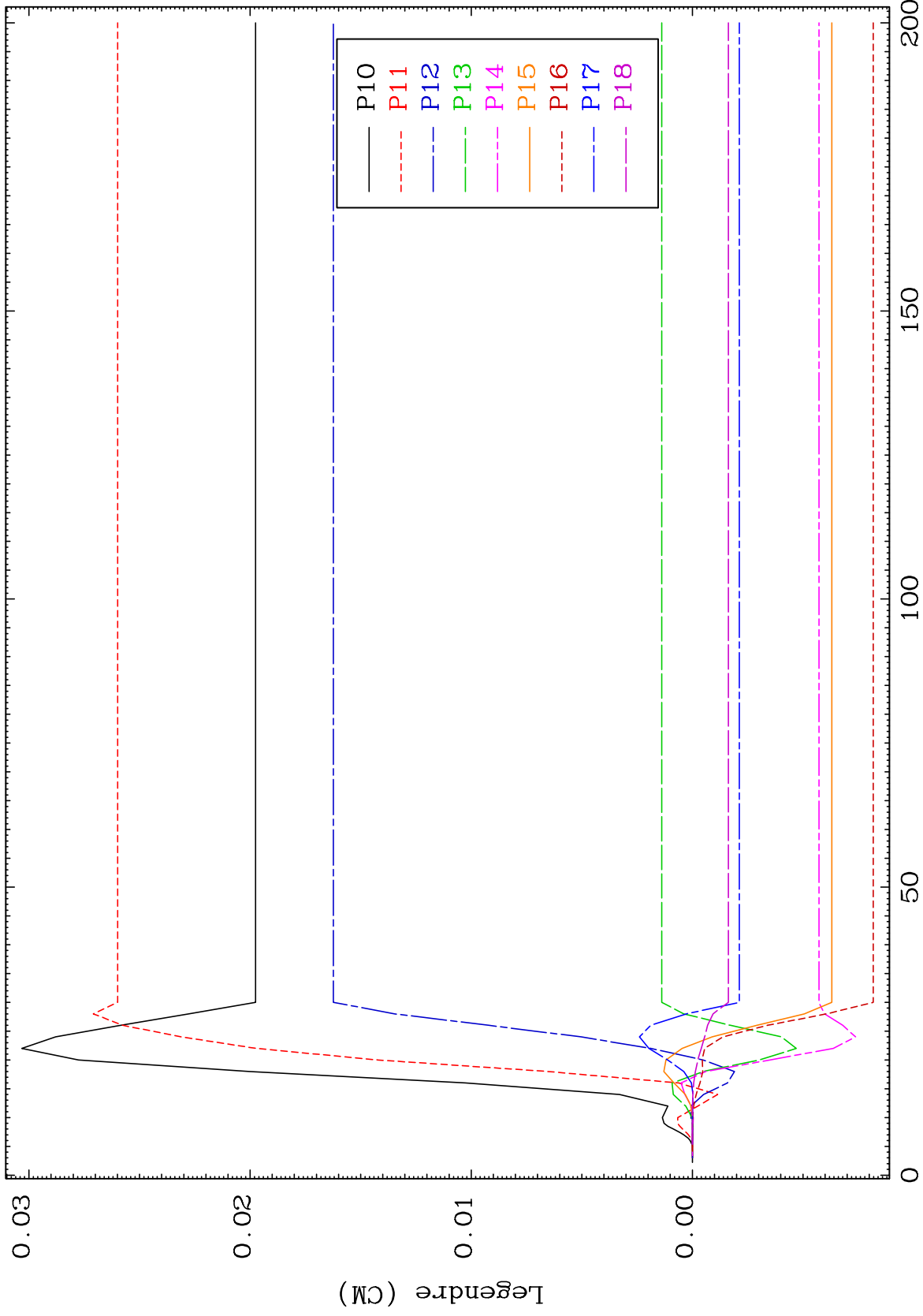
Incident Energy (MeV)

61

MAT 7252

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

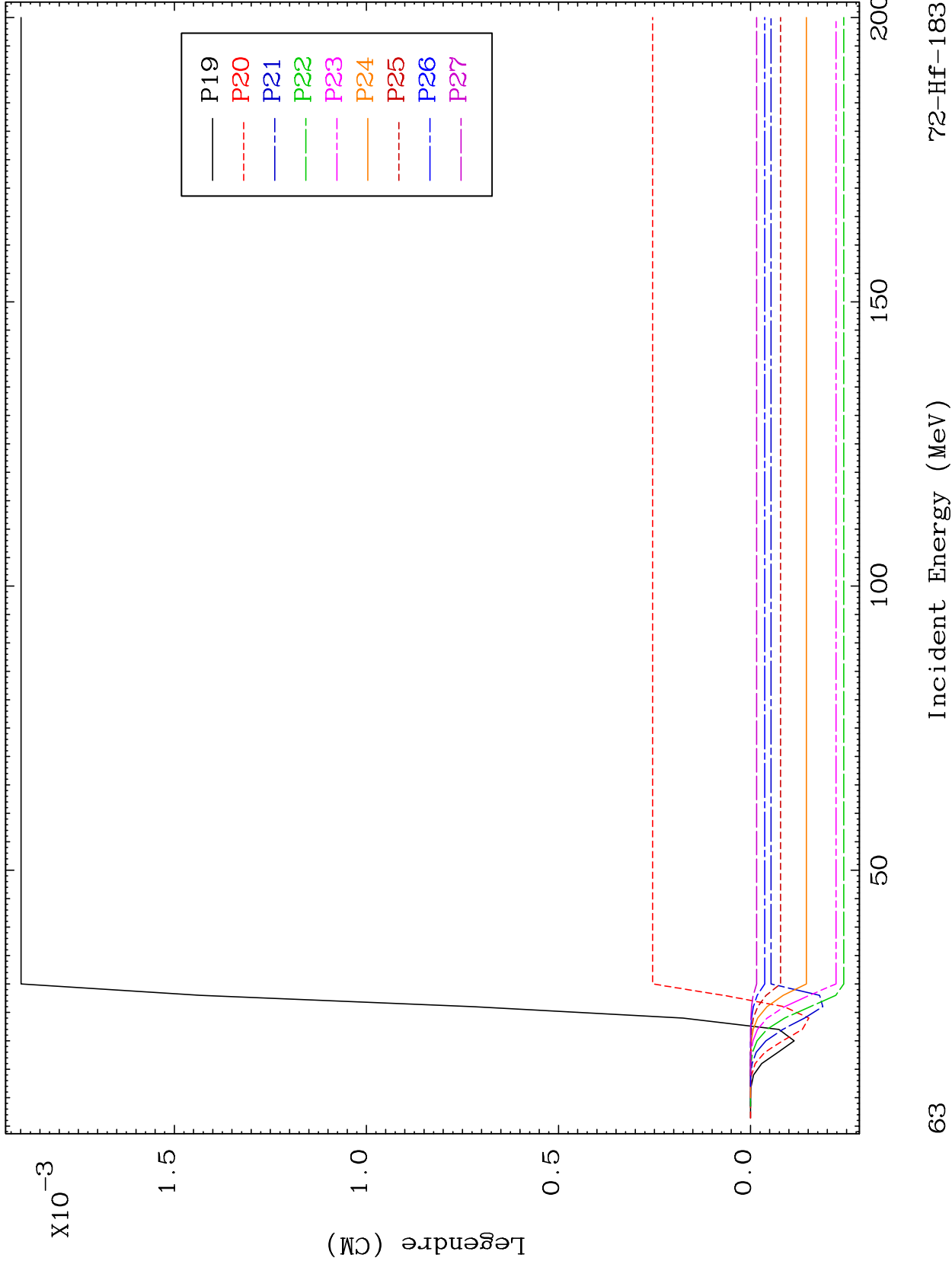
72-Hf-183



62

Incident Energy (MeV)

72-Hf-183

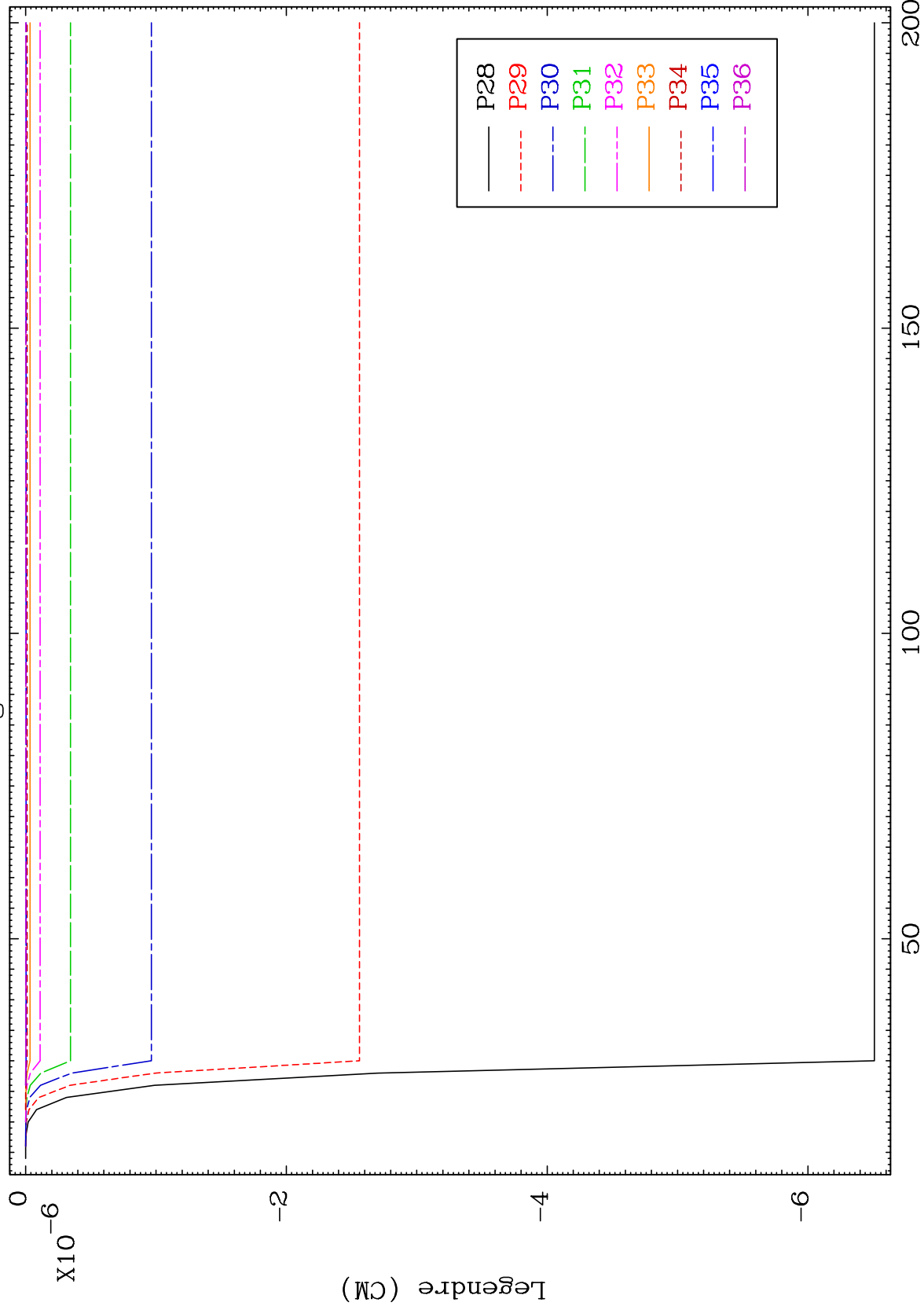


MAT 7252

MT= 61 (n,n') Level

72-Hf-183

Legendre Coefficients



72-Hf-183

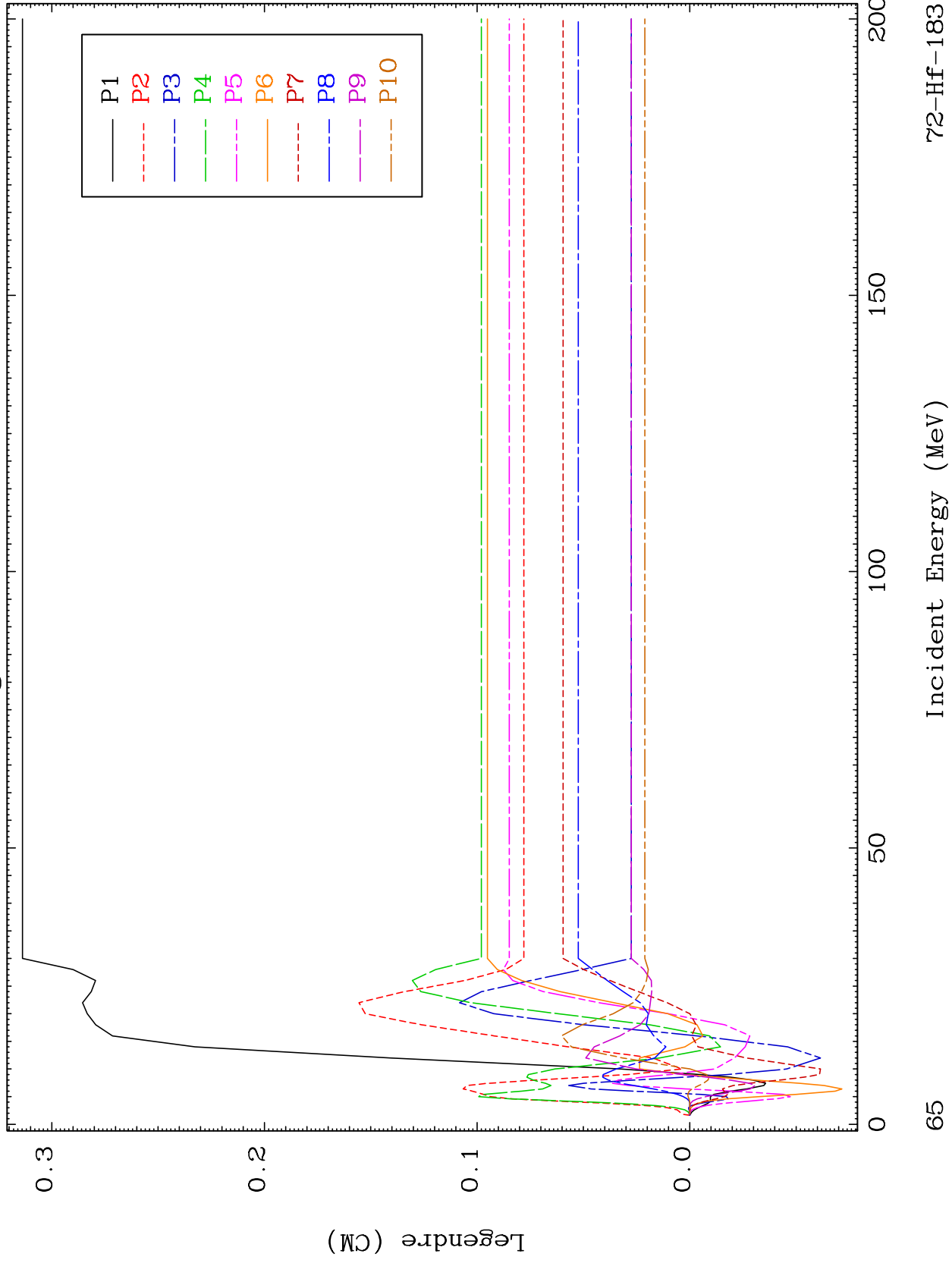
Incident Energy (MeV)

64

MAT 7252

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

72-Hf-183



72-Hf-183

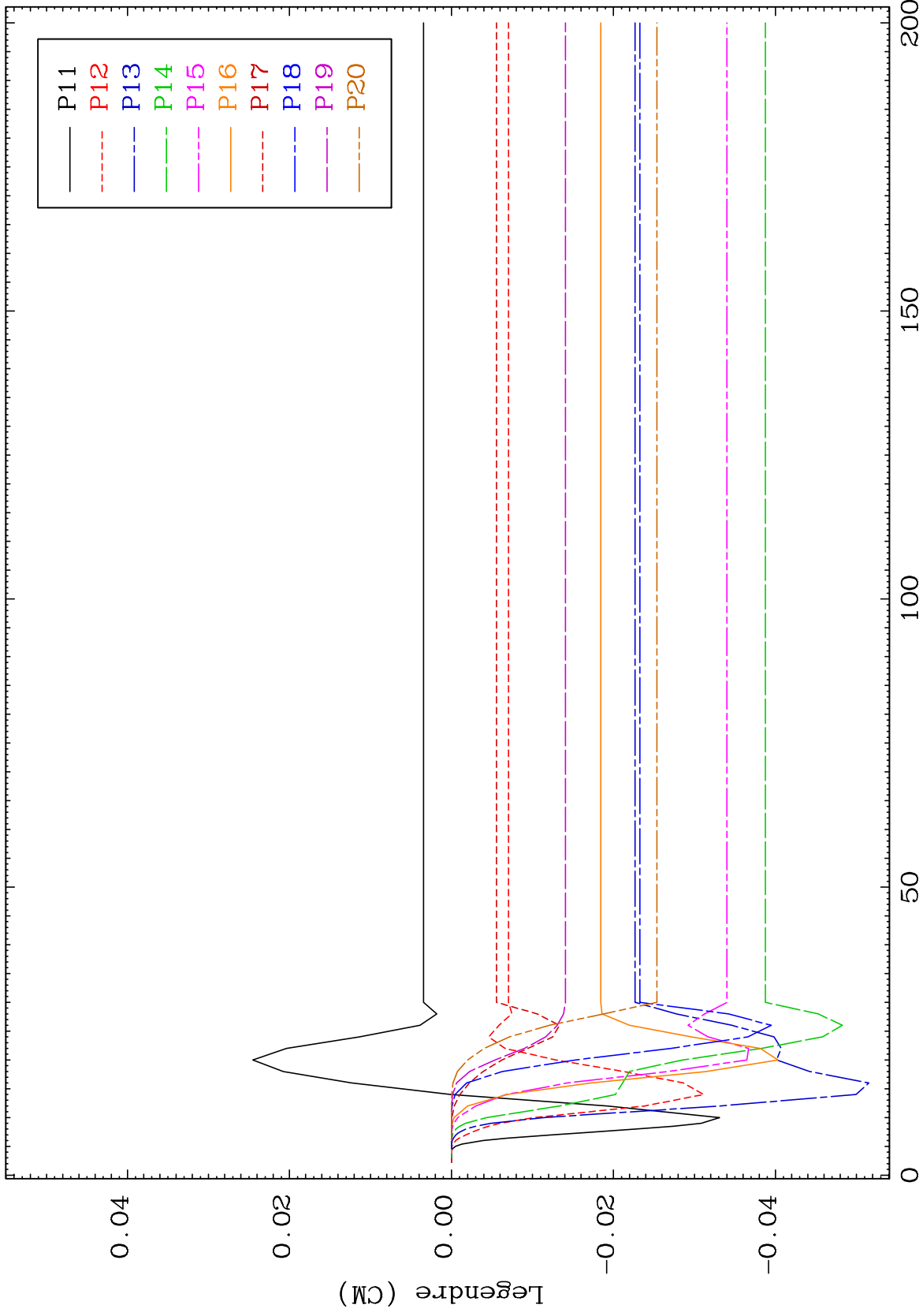
Incident Energy (MeV)

65

MAT 7252

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

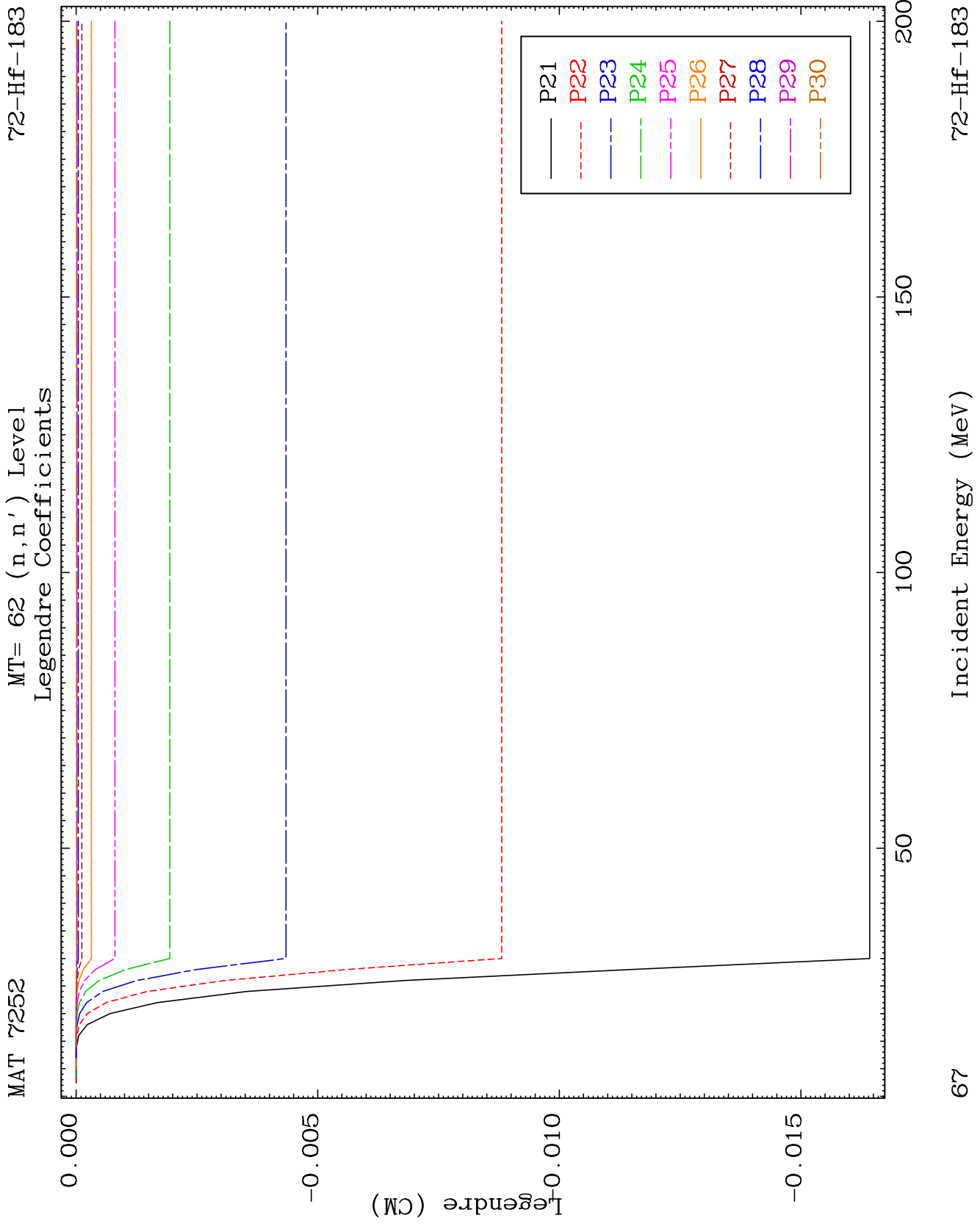
72-Hf-183

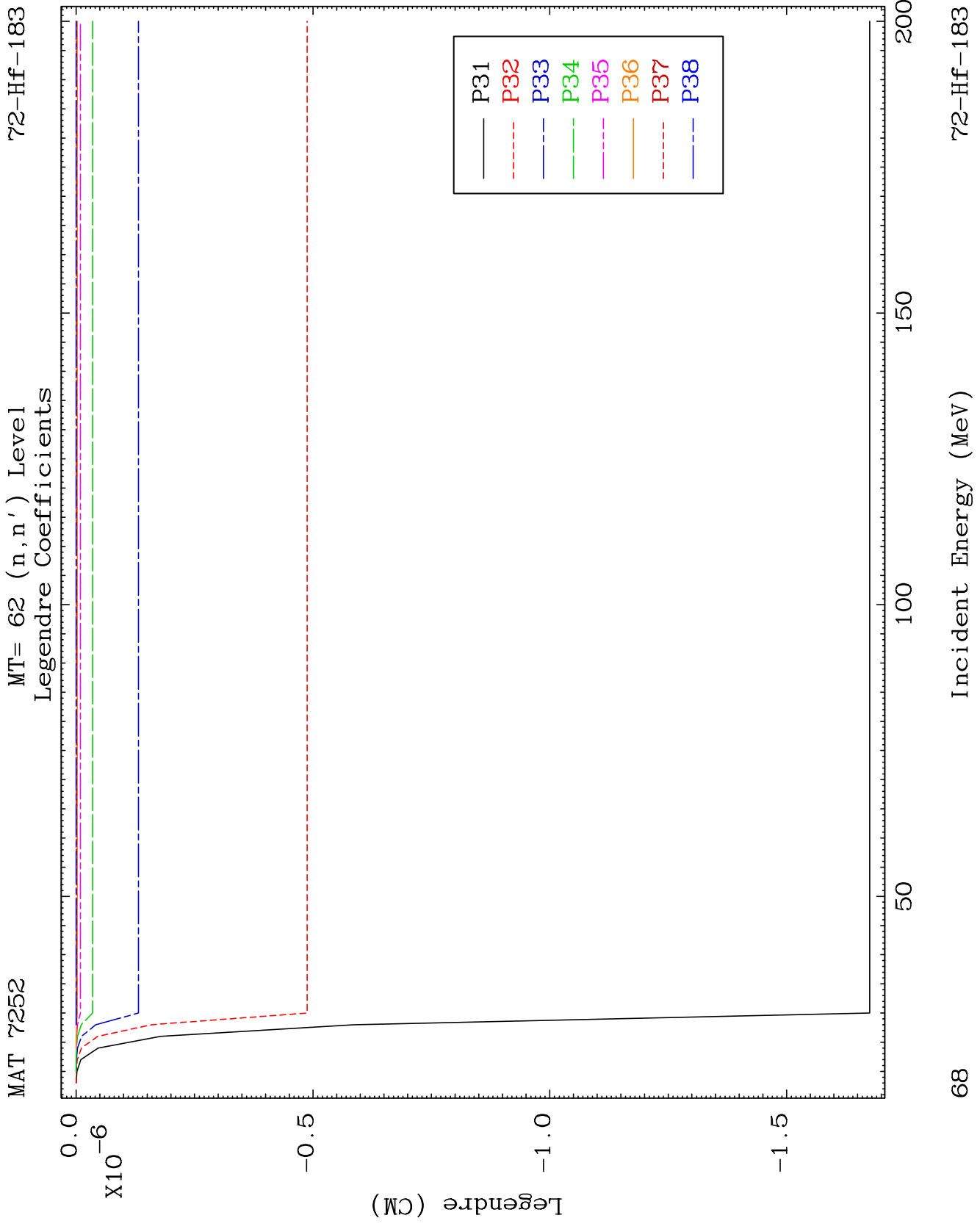


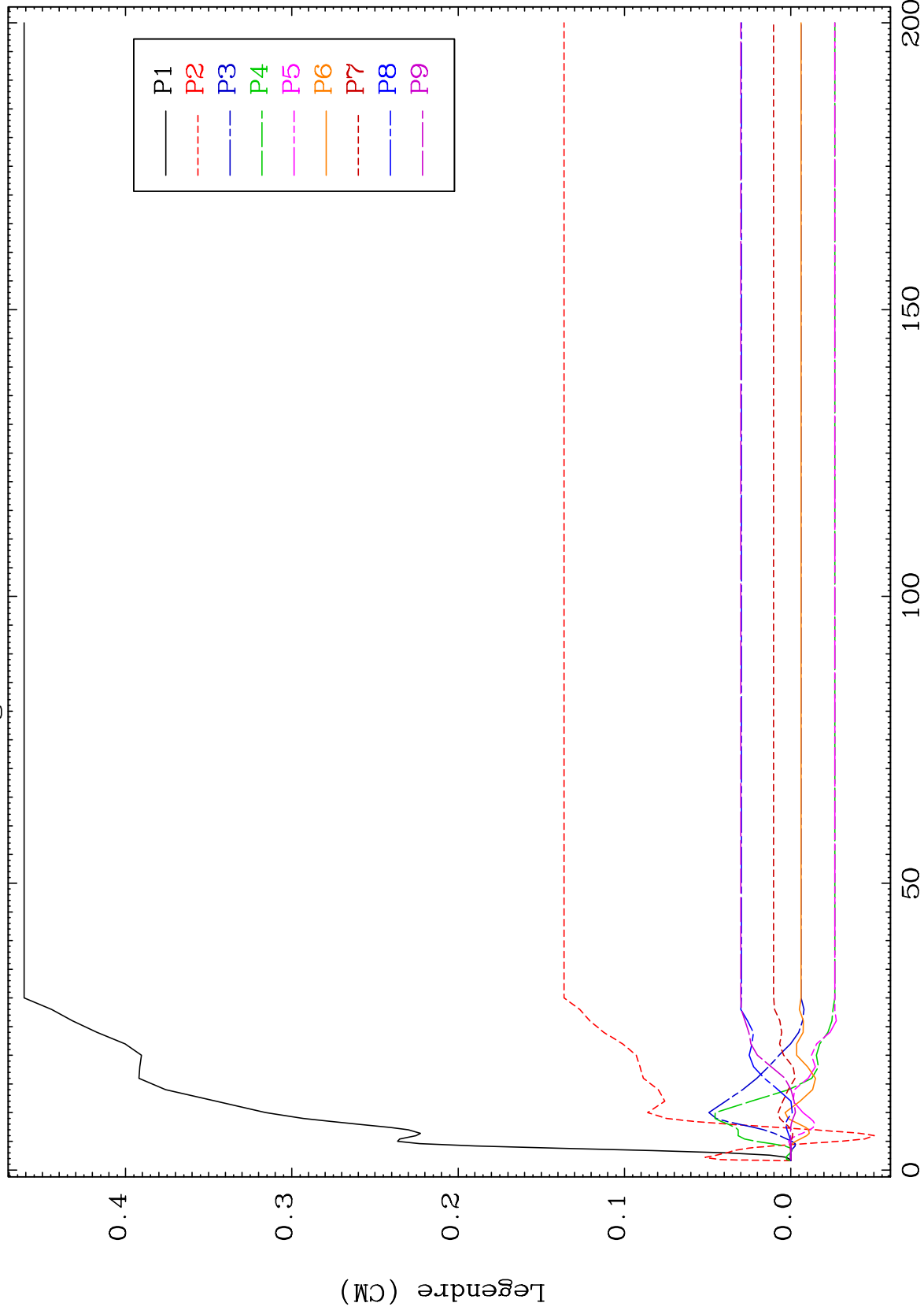
66

Incident Energy (MeV)

72-Hf-183



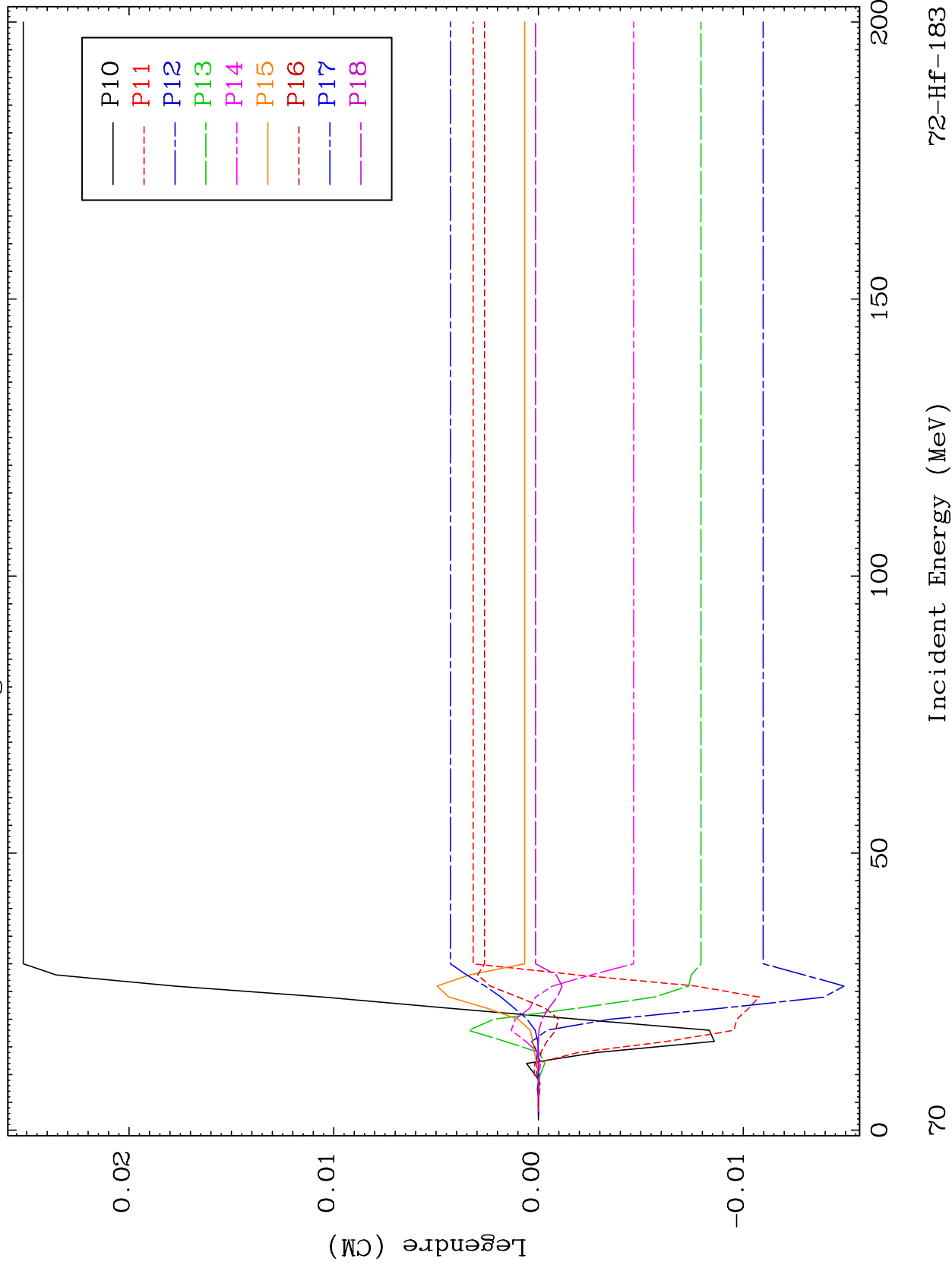




MAT 7252

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

72-Hf-183



72-Hf-183

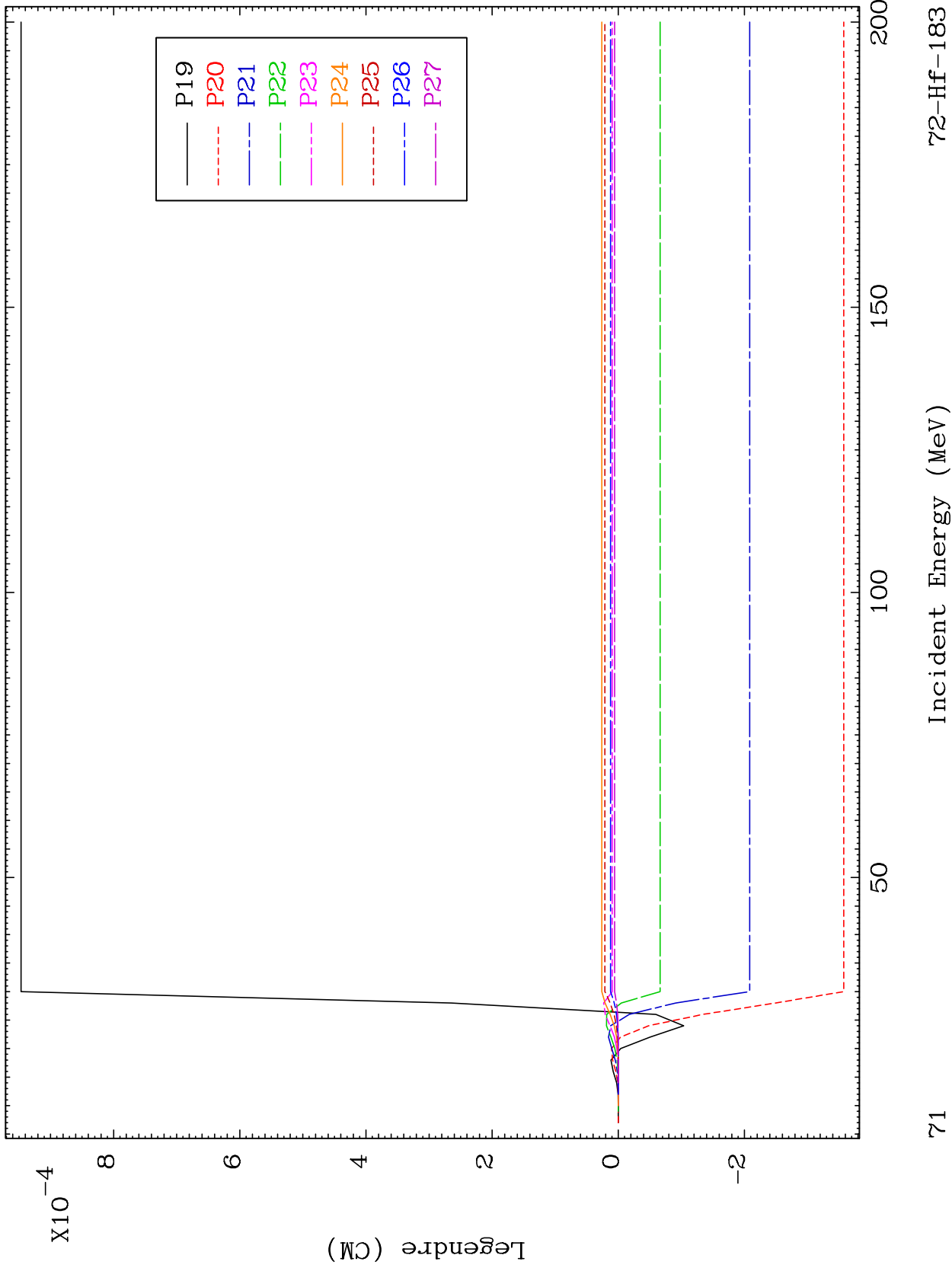
Incident Energy (MeV)

70

MAT 7252

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

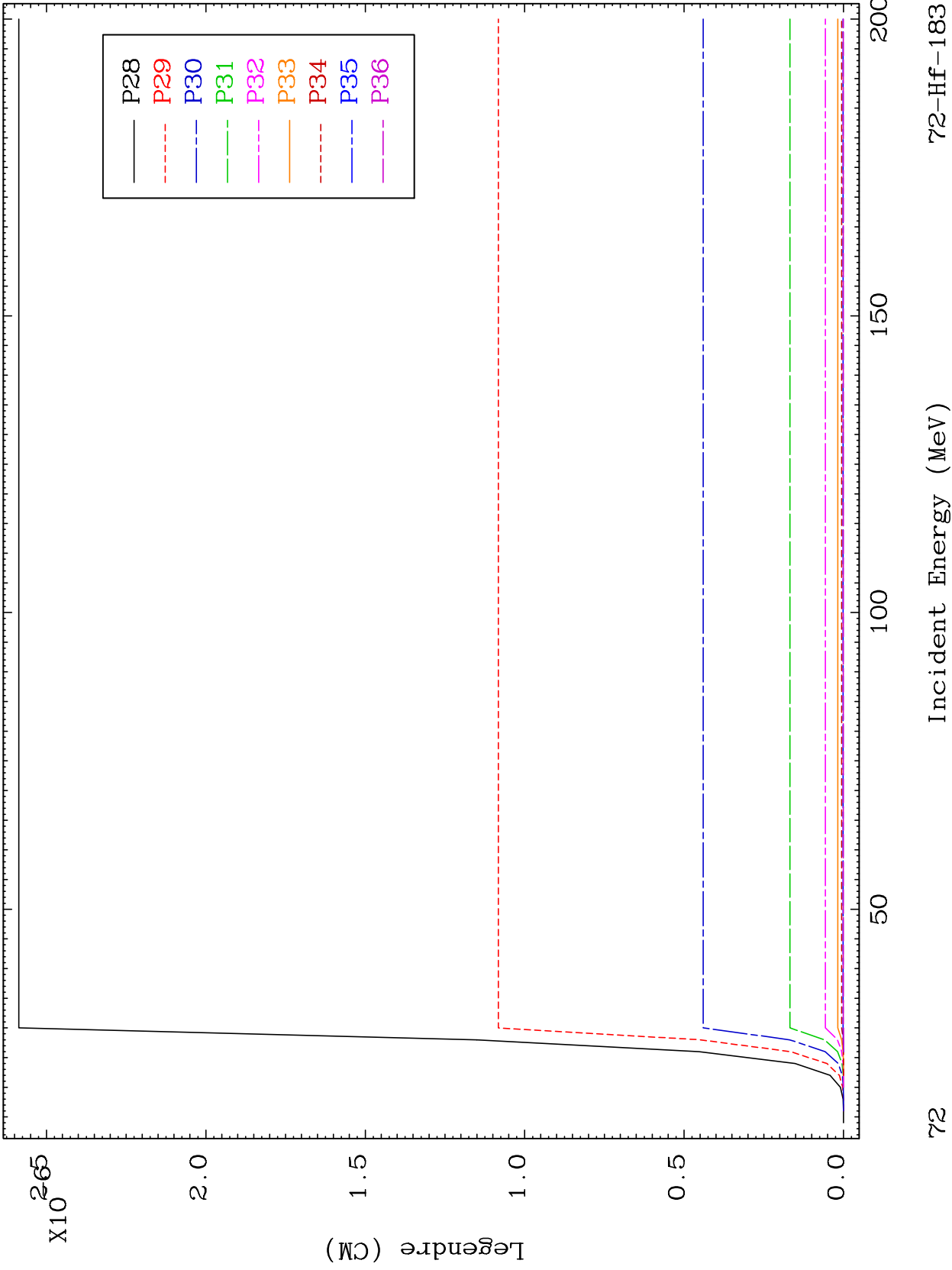
72-Hf-183



MAT 7252

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

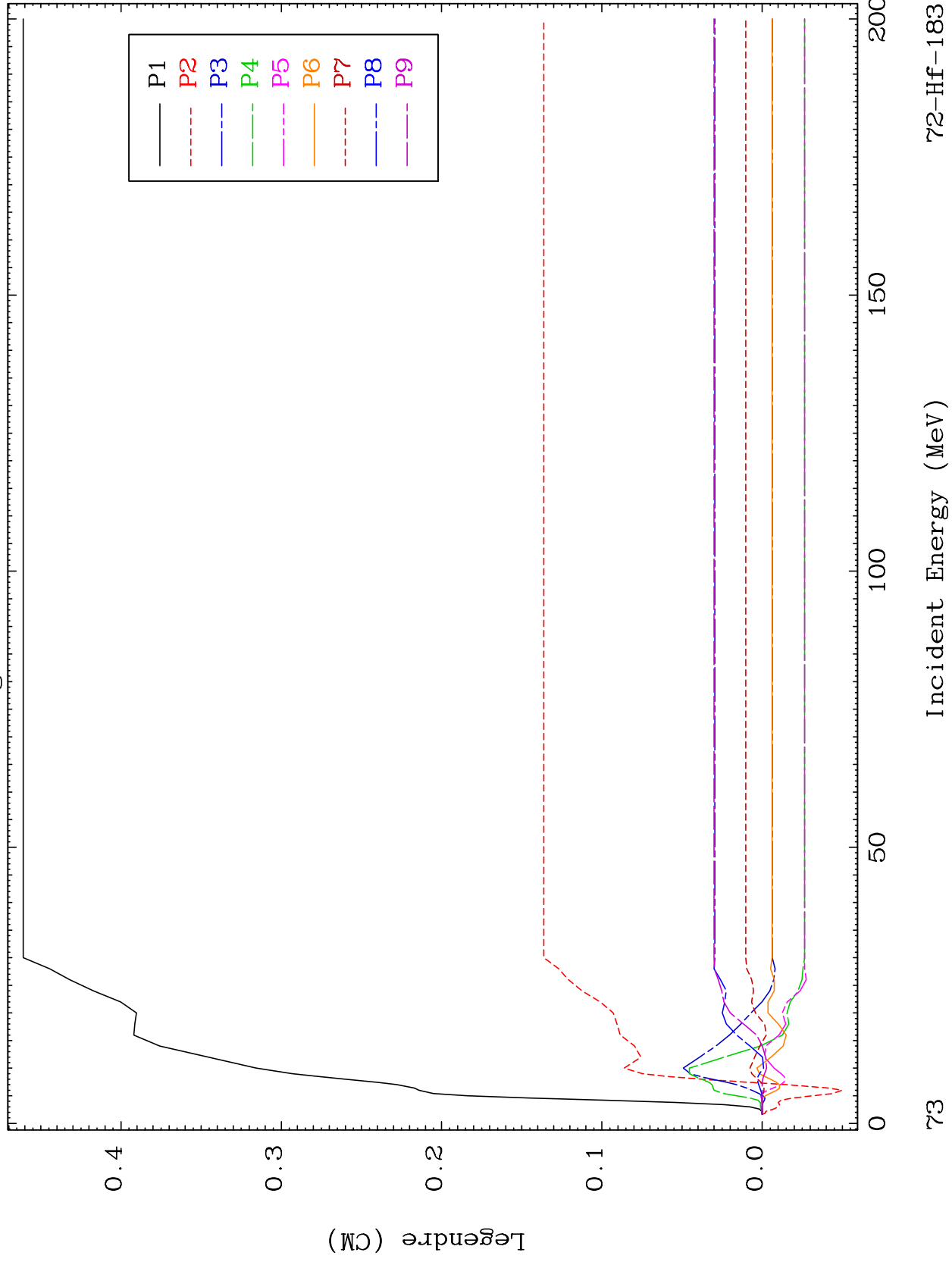
72-Hf-183



MAT 7252

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

72-Hf-183



72-Hf-183

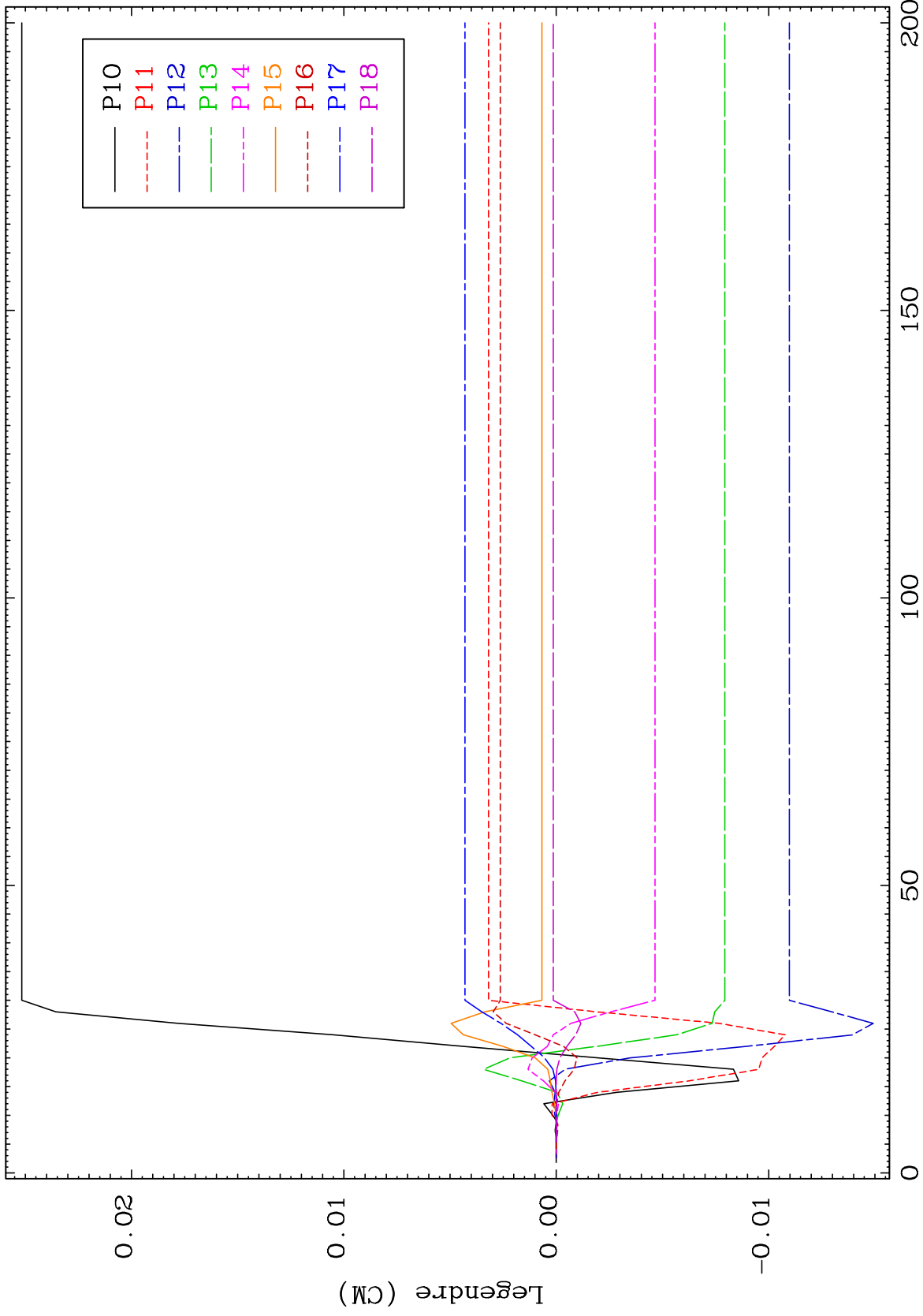
Incident Energy (MeV)

73

MAT 7252

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

72-Hf-183



74

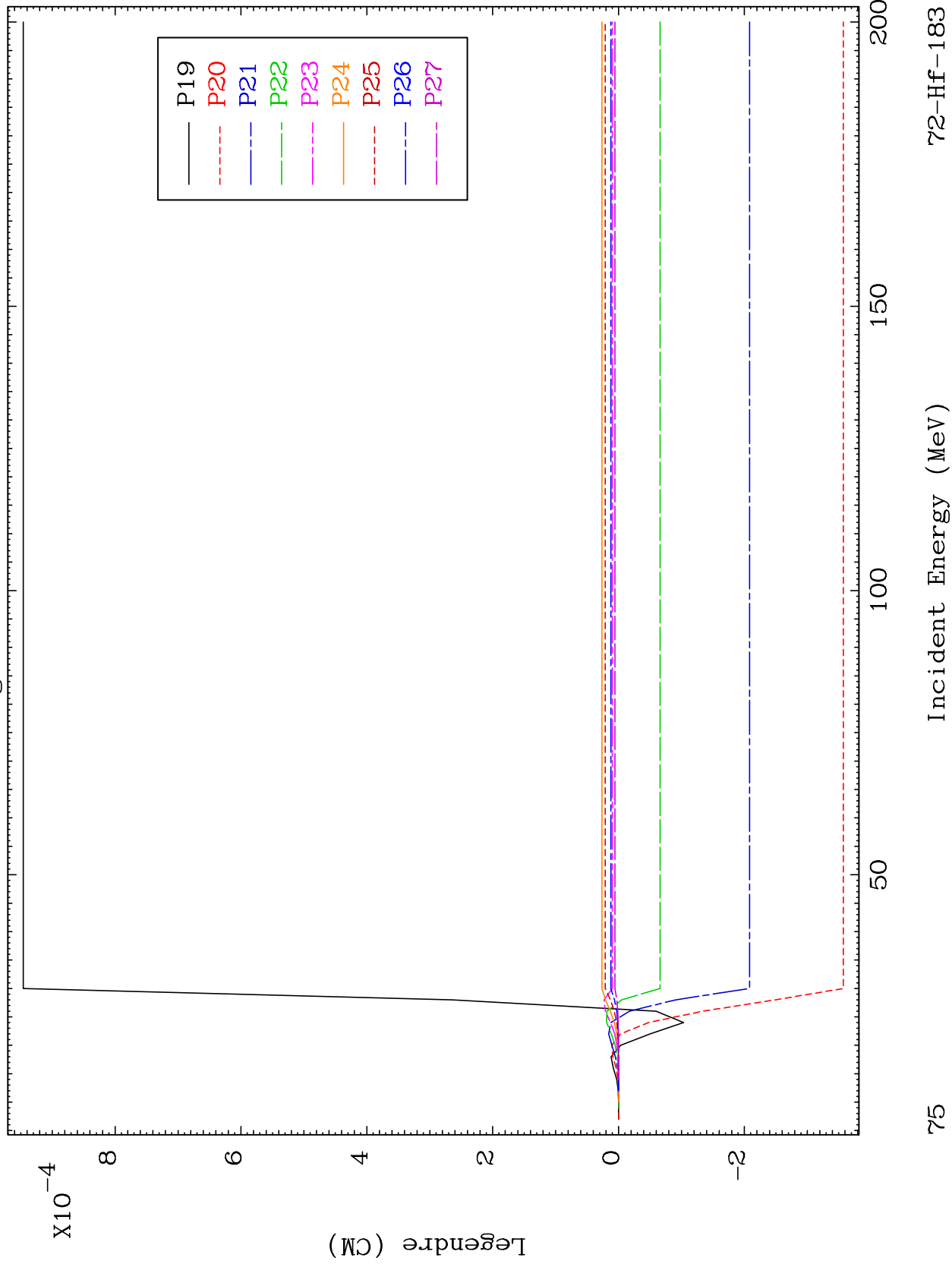
Incident Energy (MeV)

72-Hf-183

MAT 7252

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

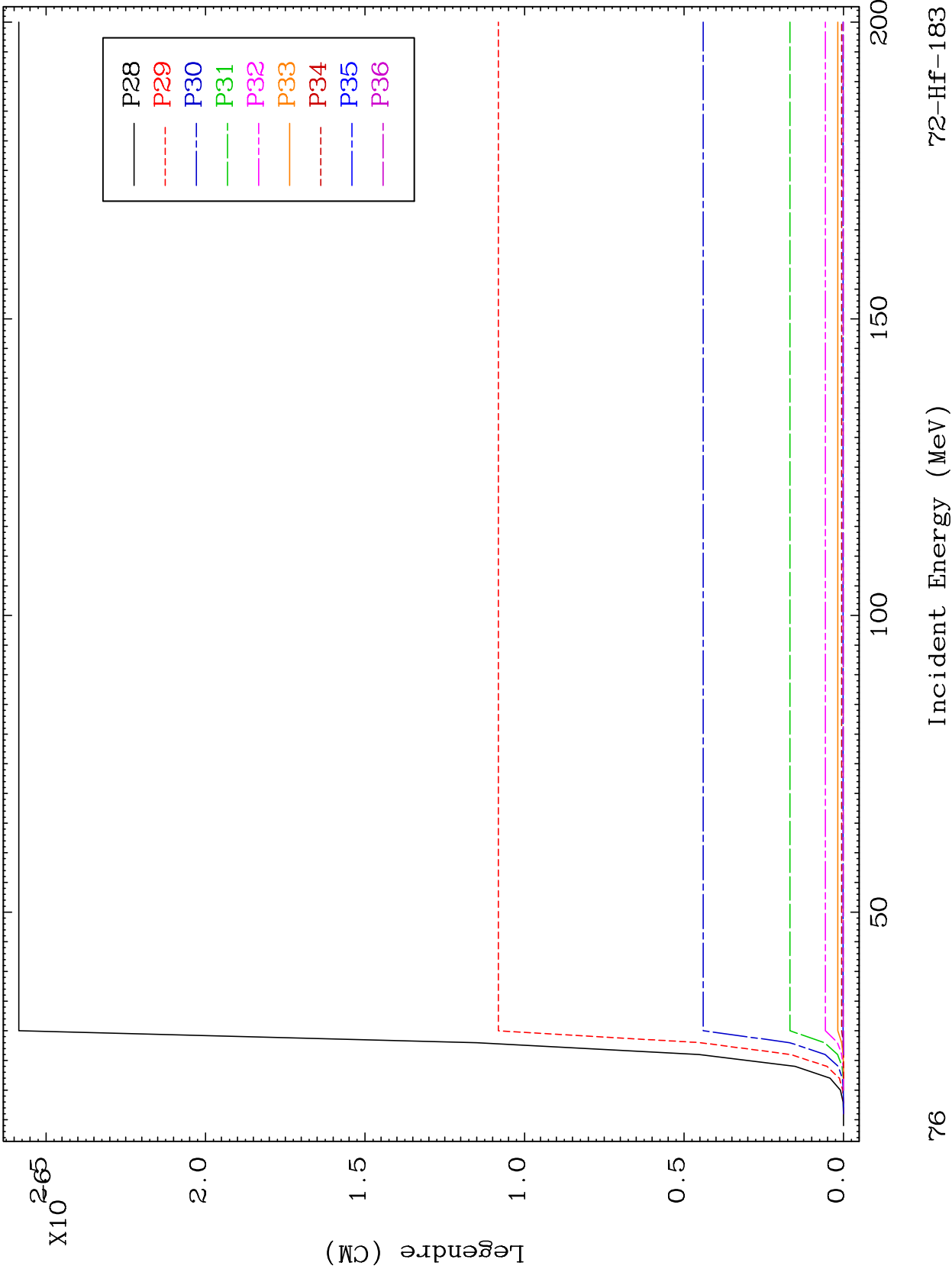
72-Hf-183



MAT 7252

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

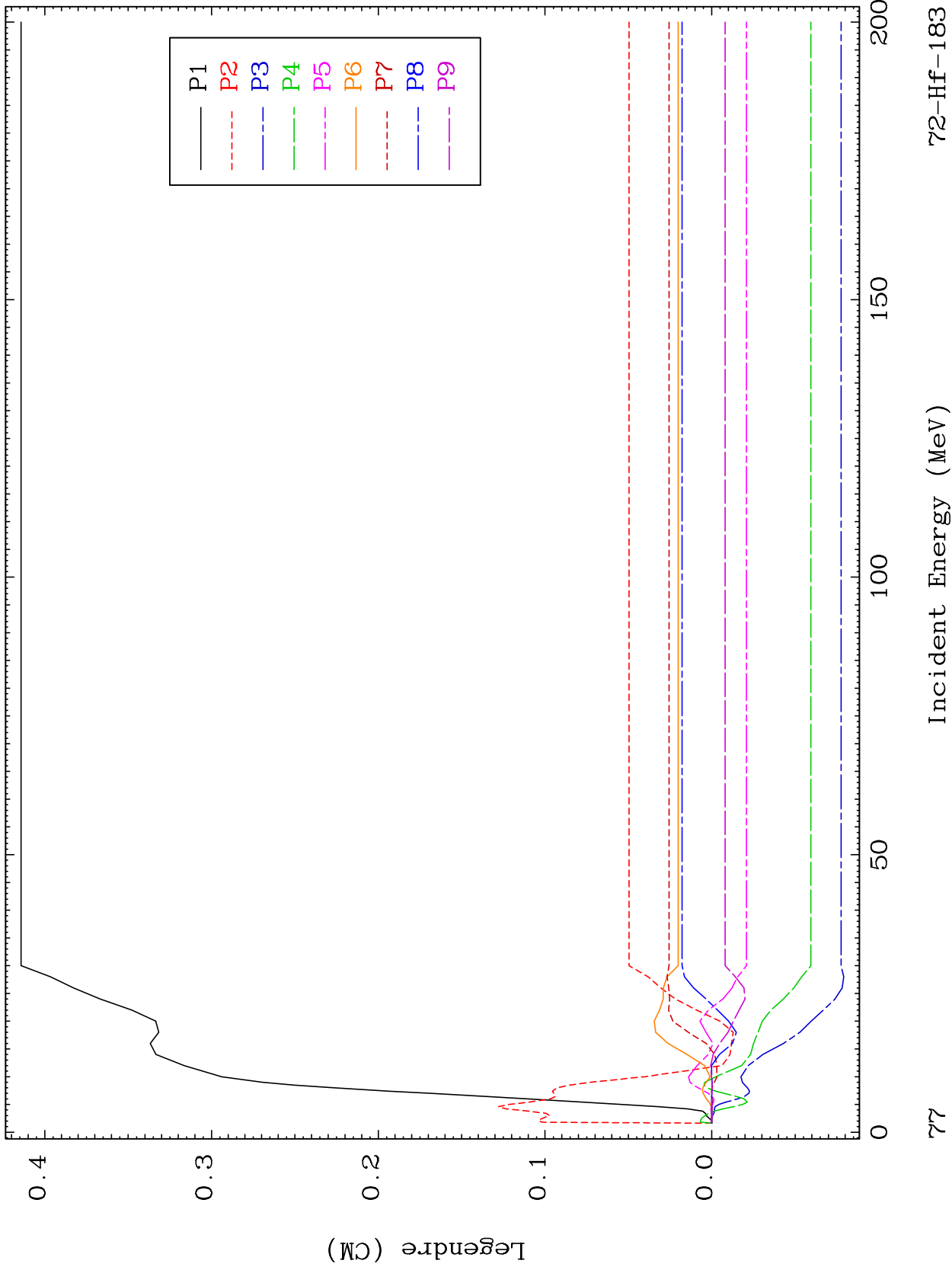
72-Hf-183



76

Incident Energy (MeV)

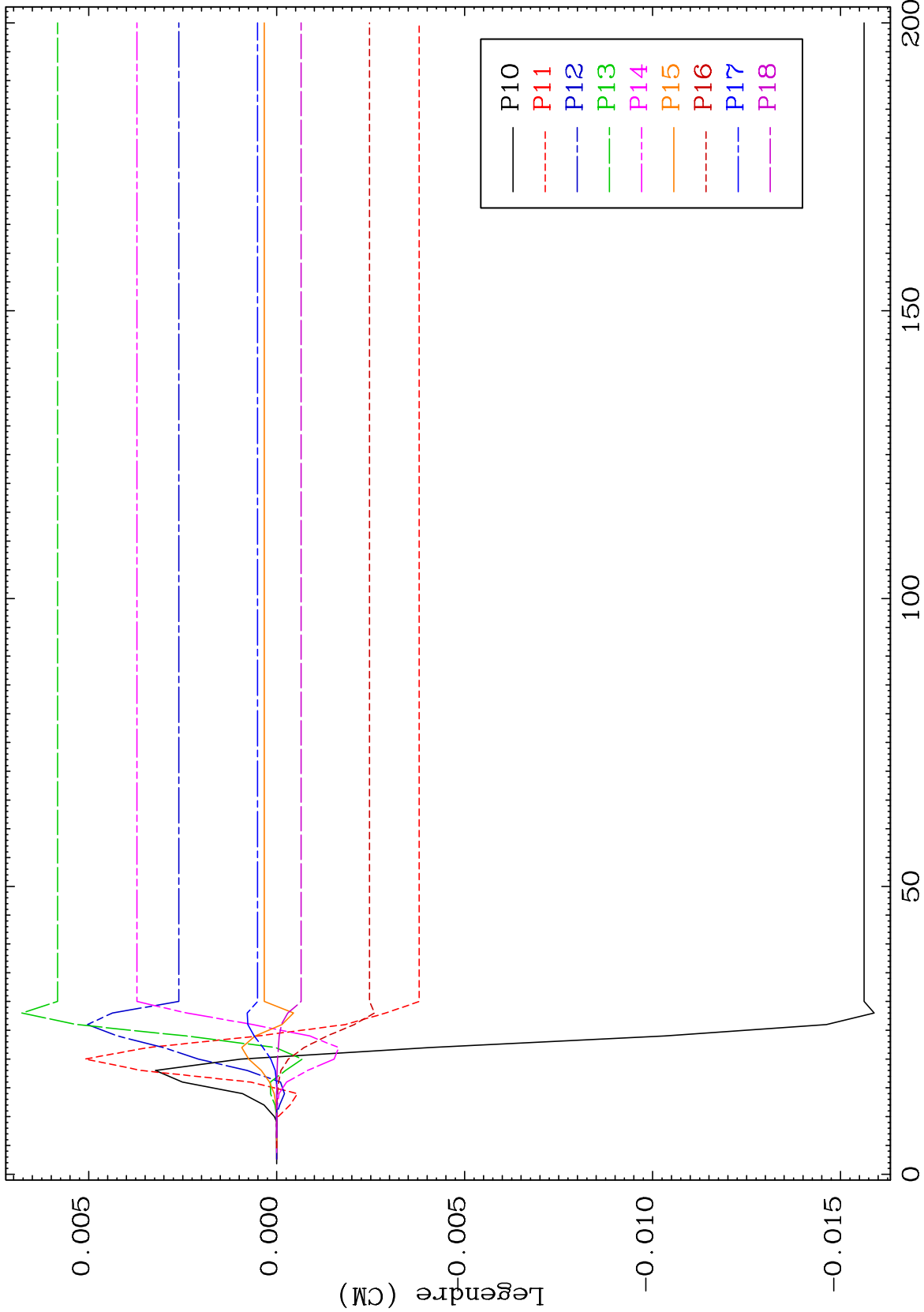
72-Hf-183



MAT 7252

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

72-Hf-183



78

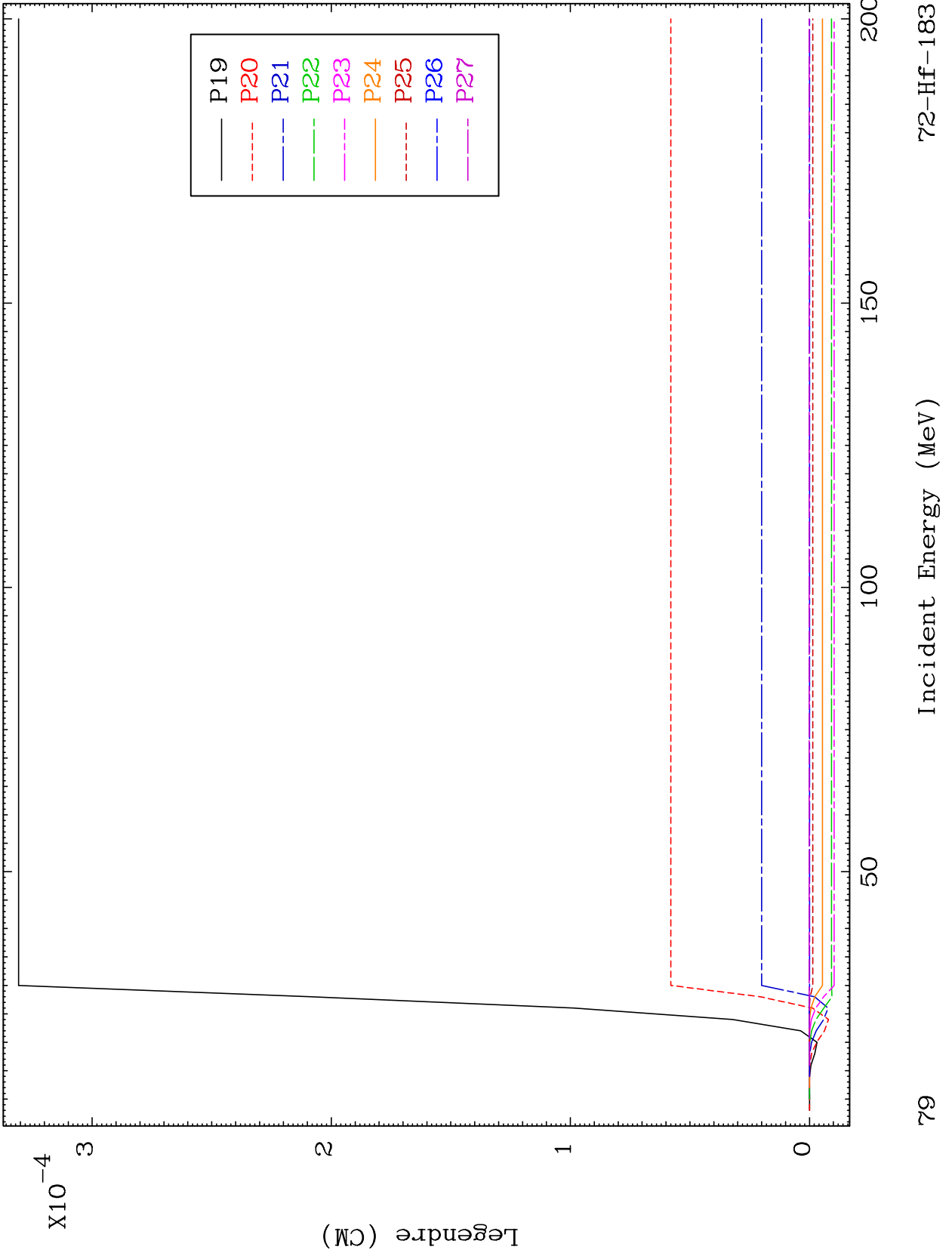
Incident Energy (MeV)

72-Hf-183

MAT 7252

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

72-Hf-183



79

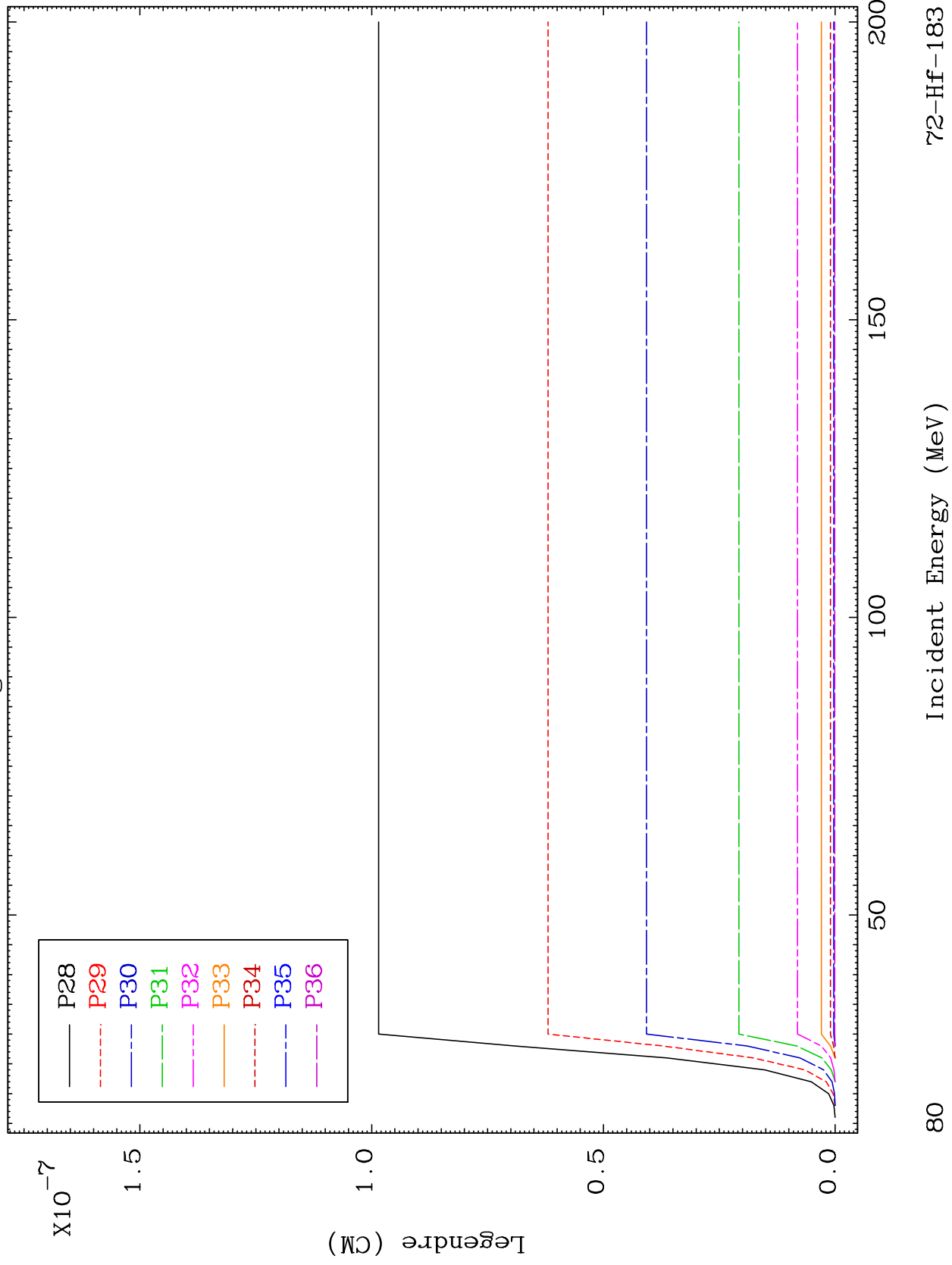
Incident Energy (MeV)

72-Hf-183

MAT 7252

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

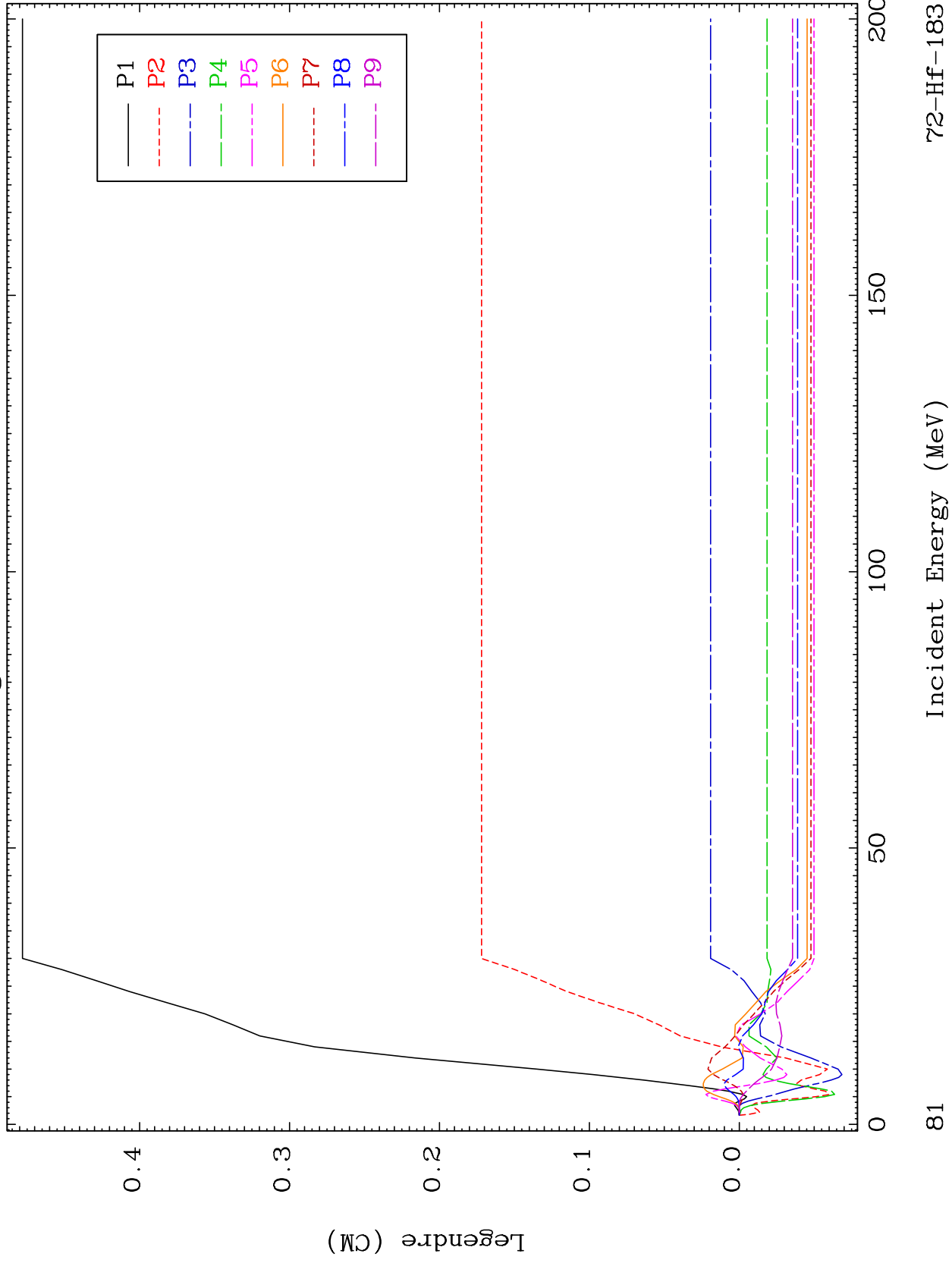
72-Hf-183



MAT 7252

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

72-Hf-183



72-Hf-183

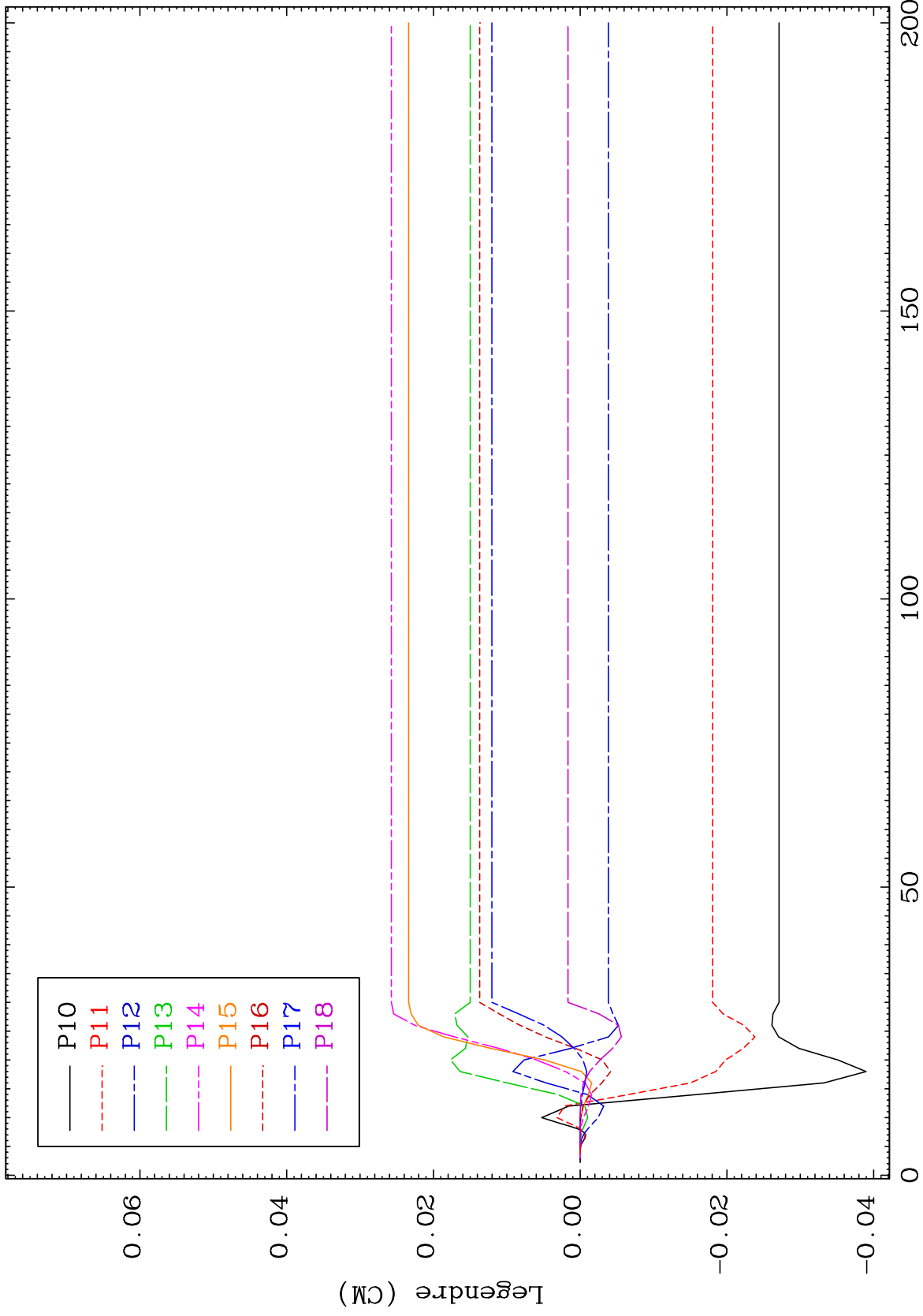
Incident Energy (MeV)

81

MAT 7252

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

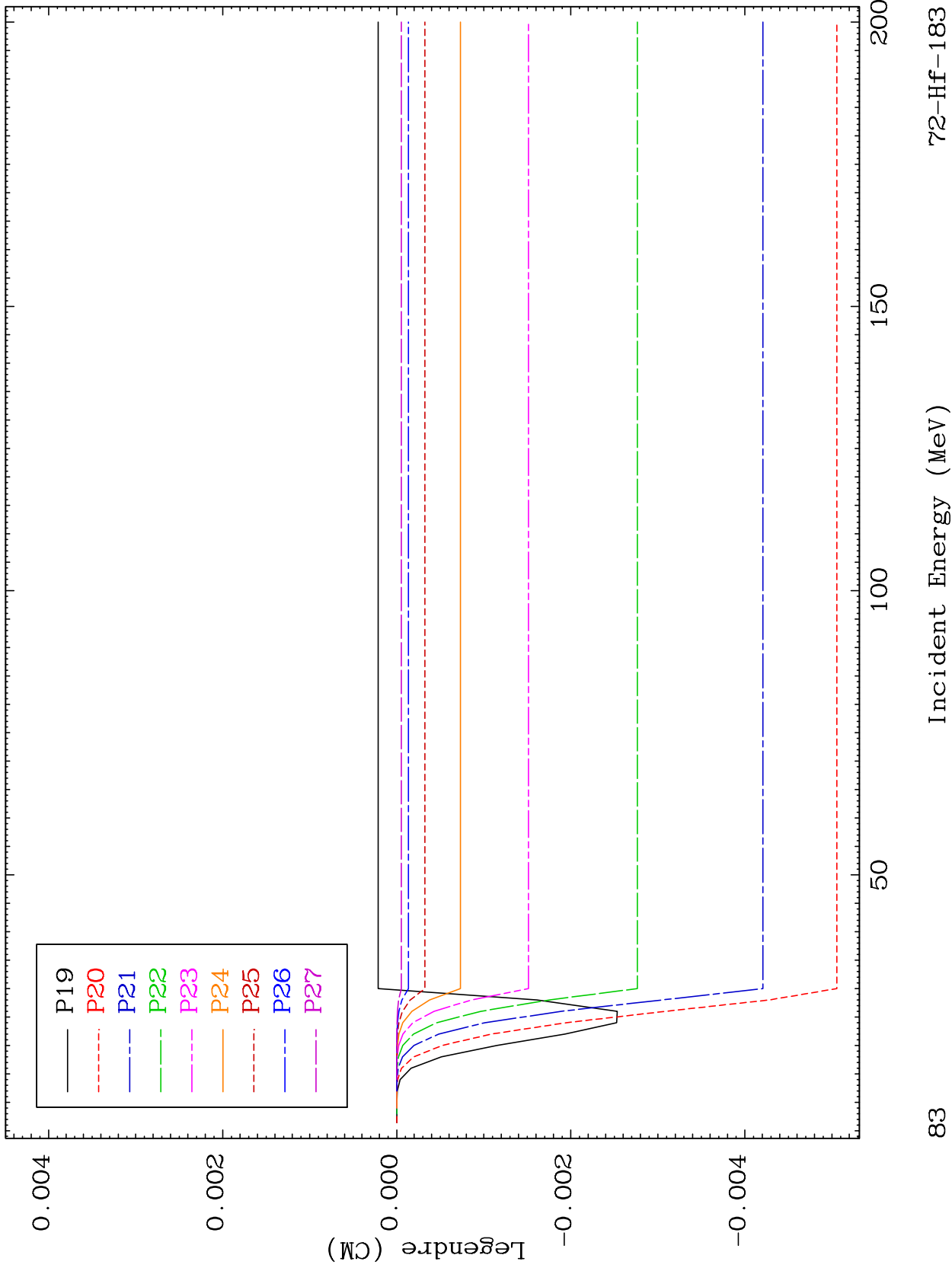
72-Hf-183



82

Incident Energy (MeV)

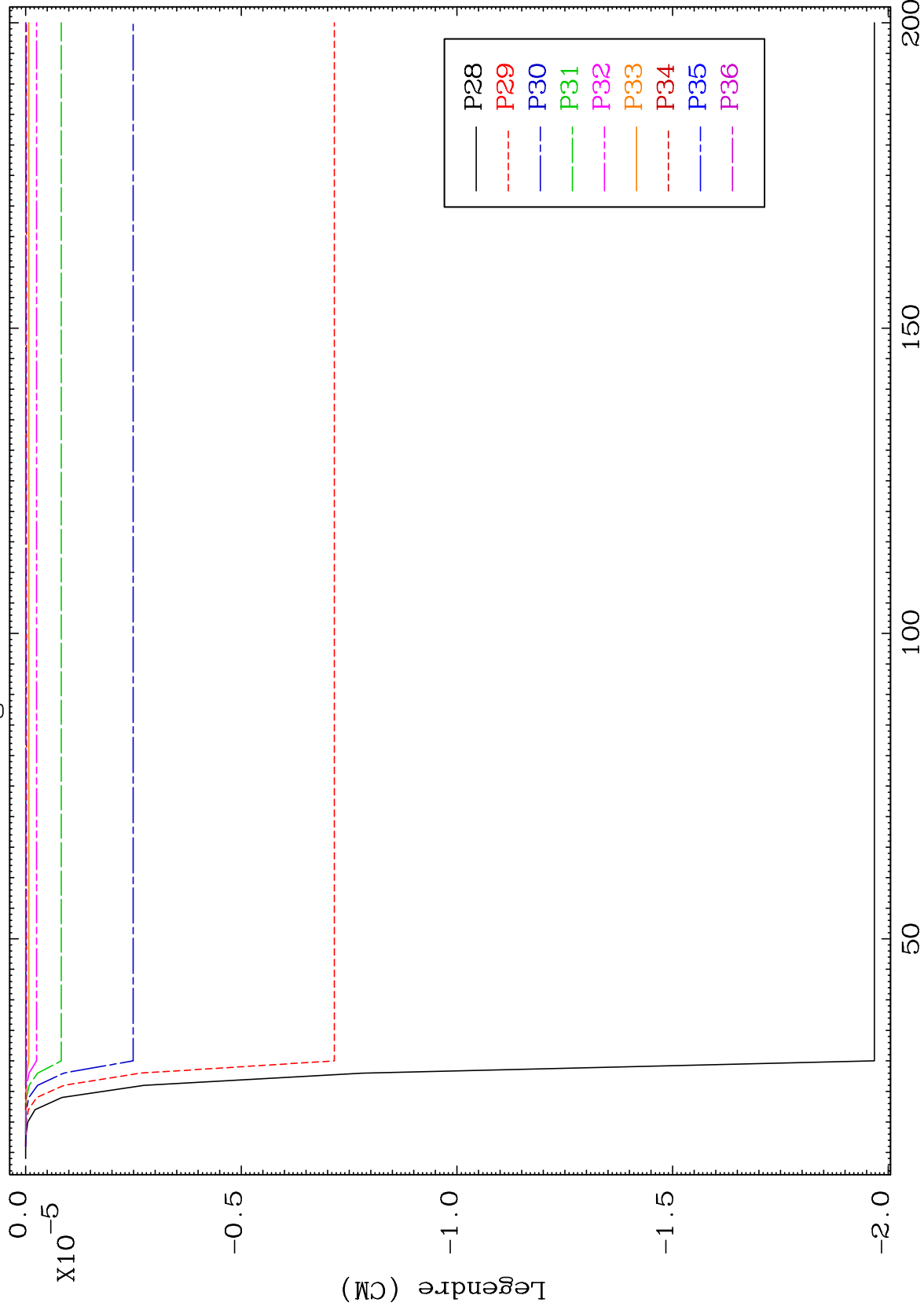
72-Hf-183



MAT 7252

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

72-Hf-183



84

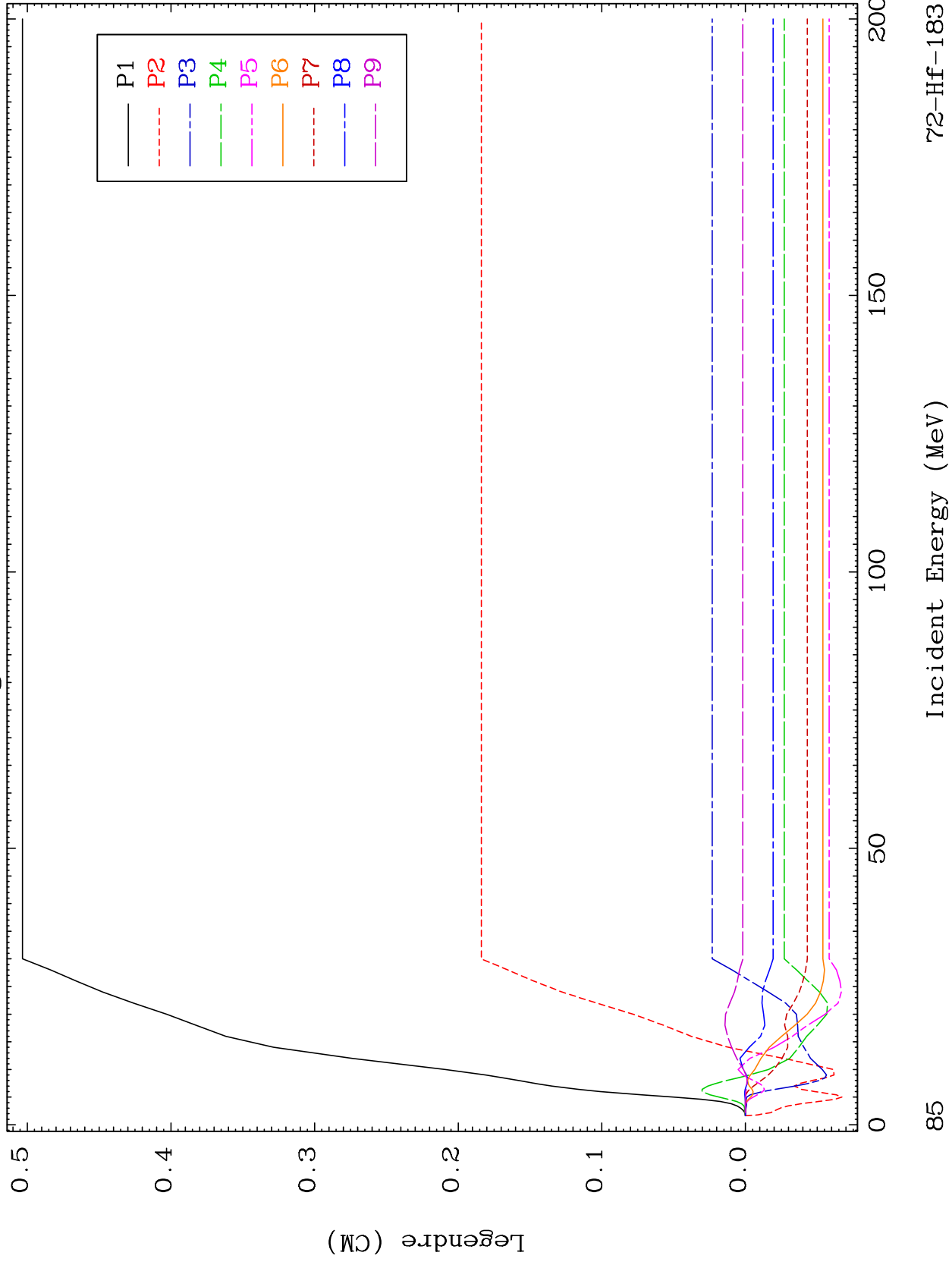
Incident Energy (MeV)

72-Hf-183

MAT 7252

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

72-Hf-183



72-Hf-183

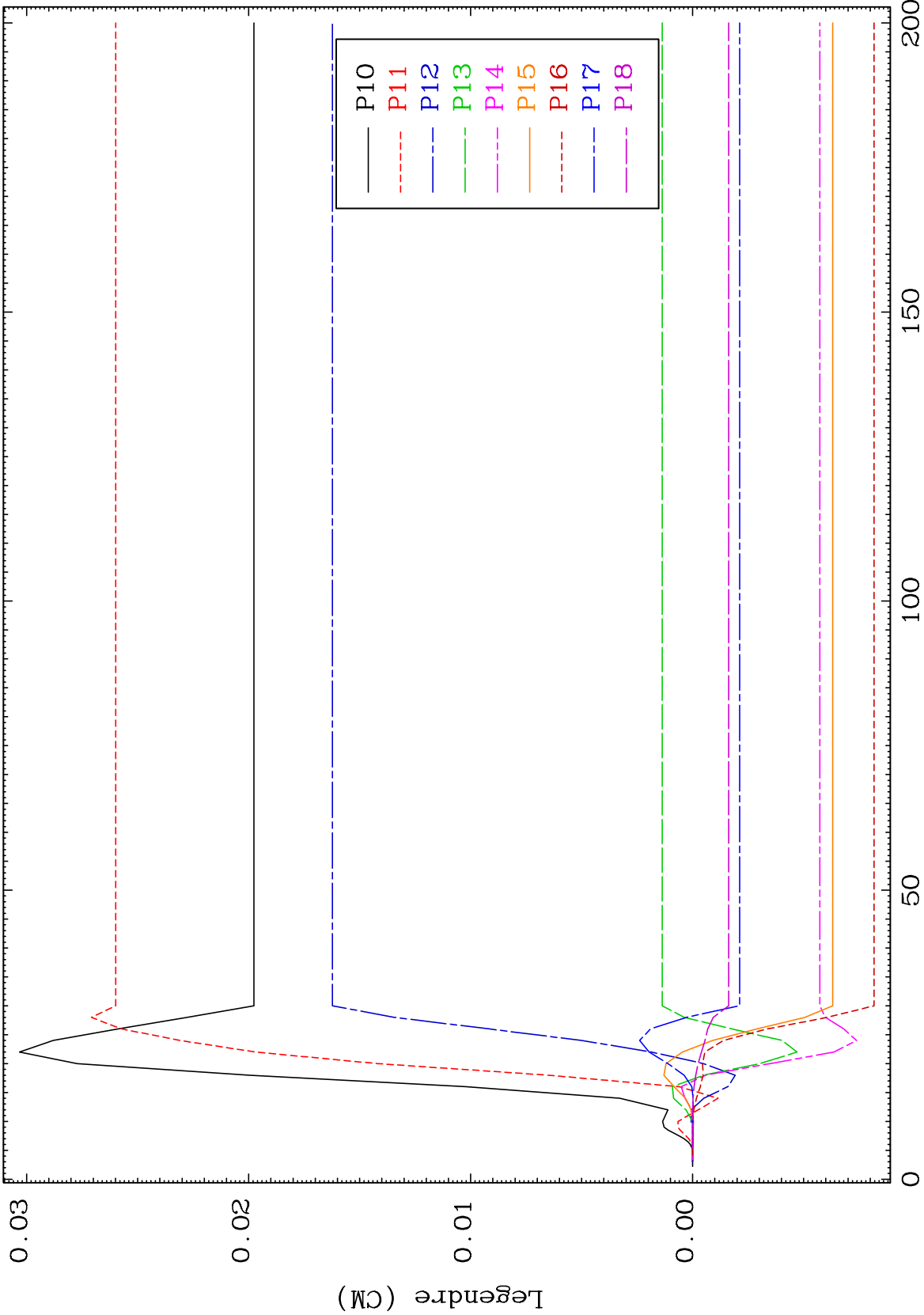
Incident Energy (MeV)

85

MAT 7252

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

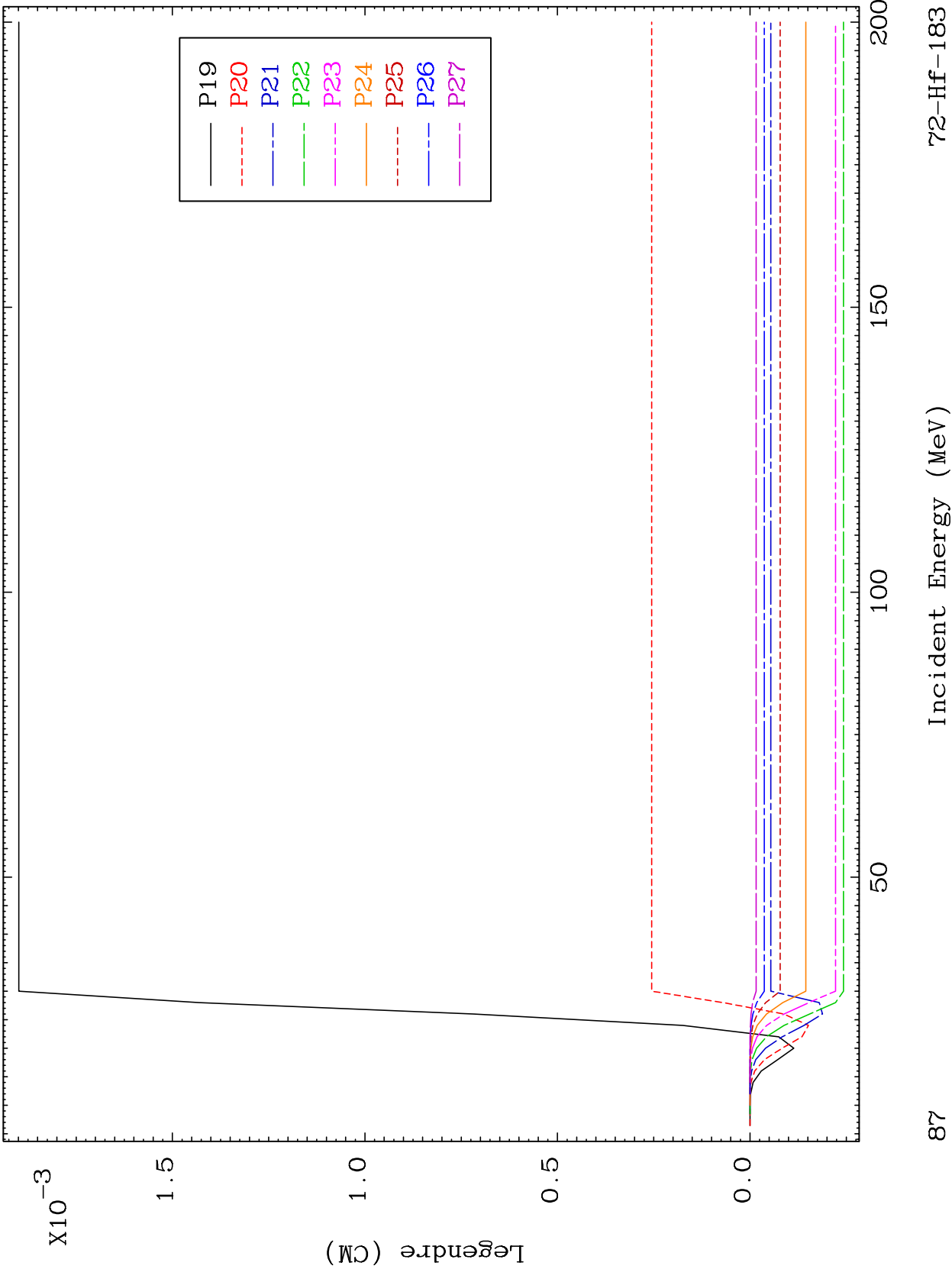
72-Hf-183



86

Incident Energy (MeV)

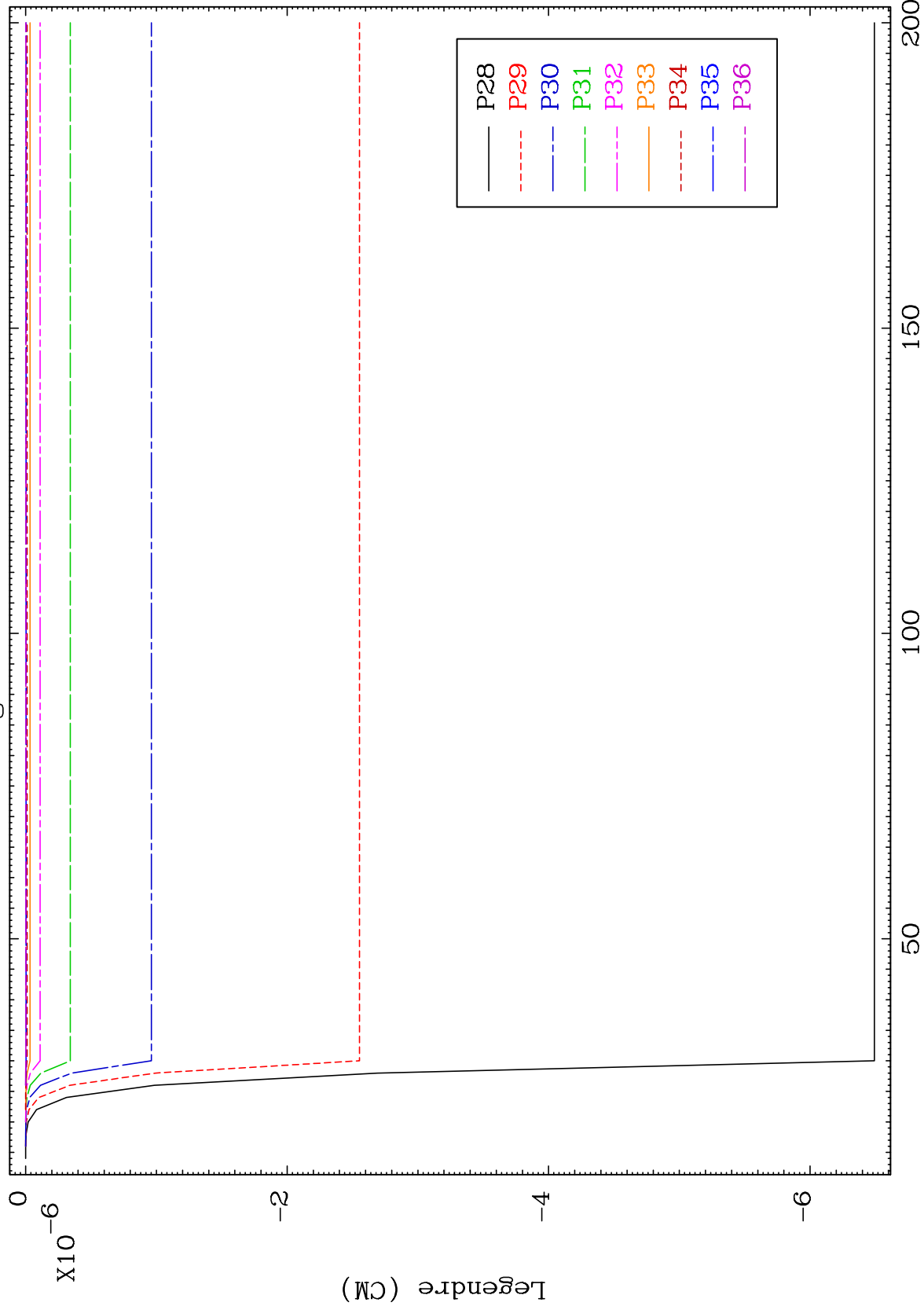
72-Hf-183



MAT 7252

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

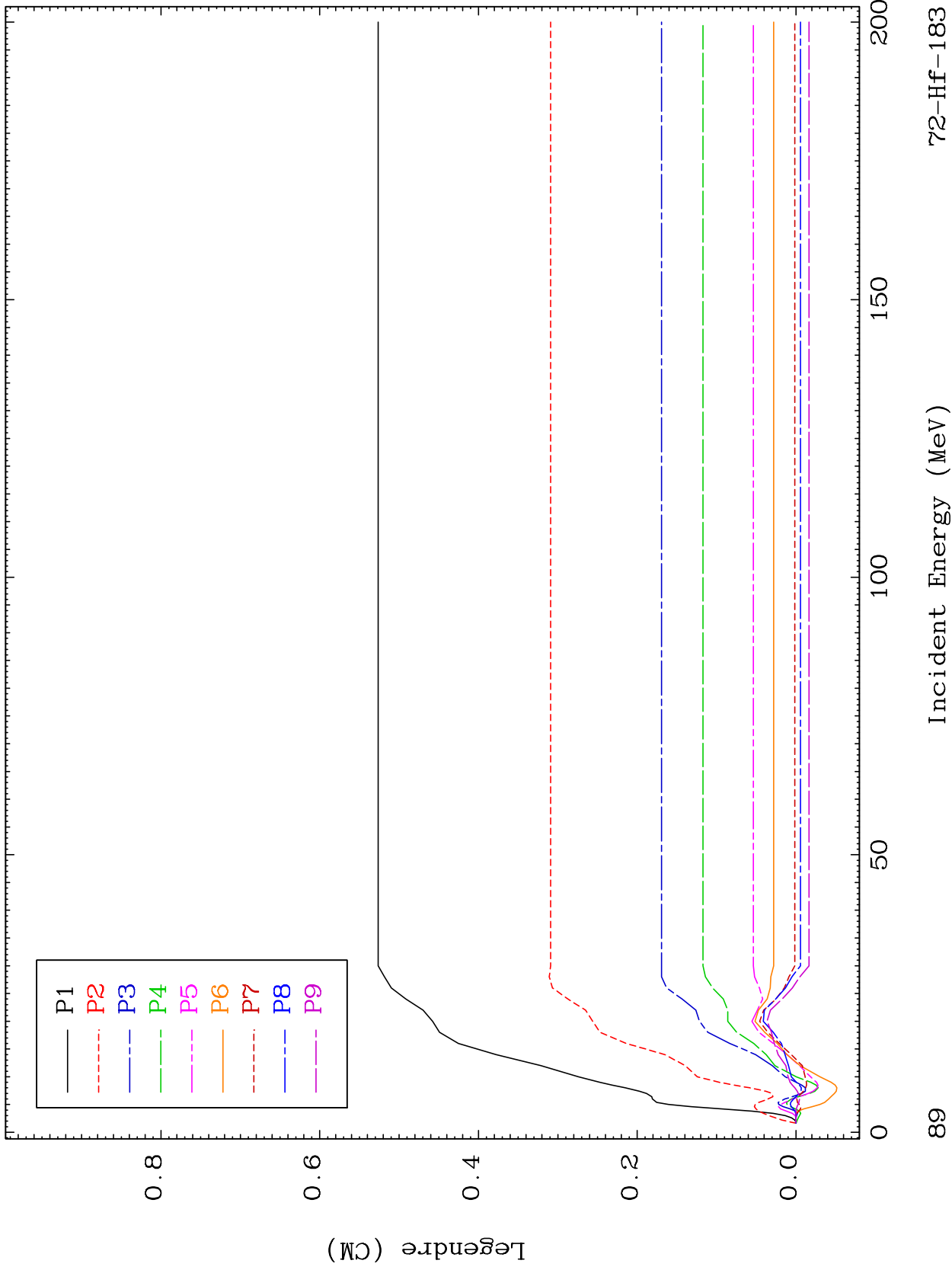
72-Hf-183



88

Incident Energy (MeV)

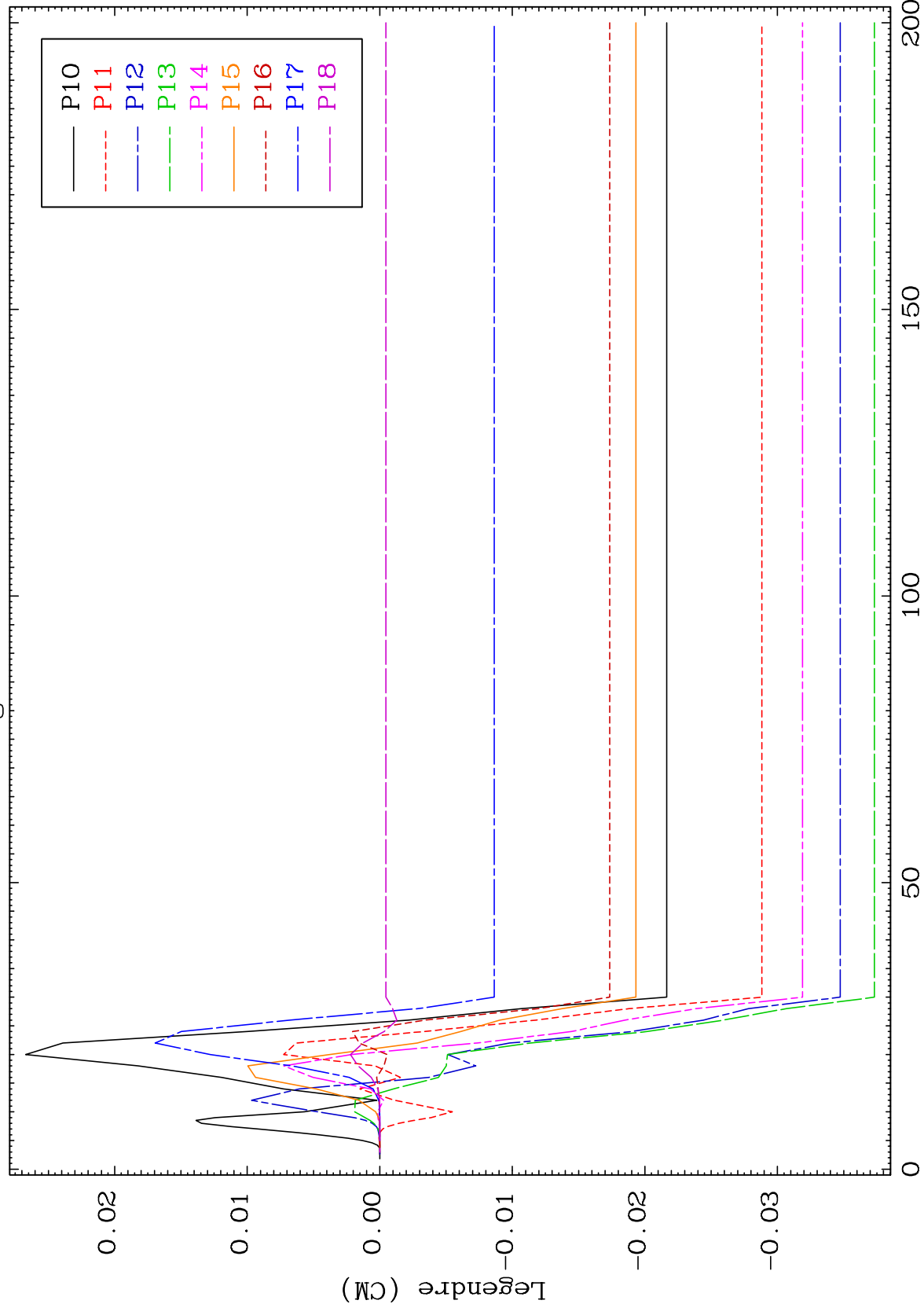
72-Hf-183



MAT 7252

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

72-Hf-183



90

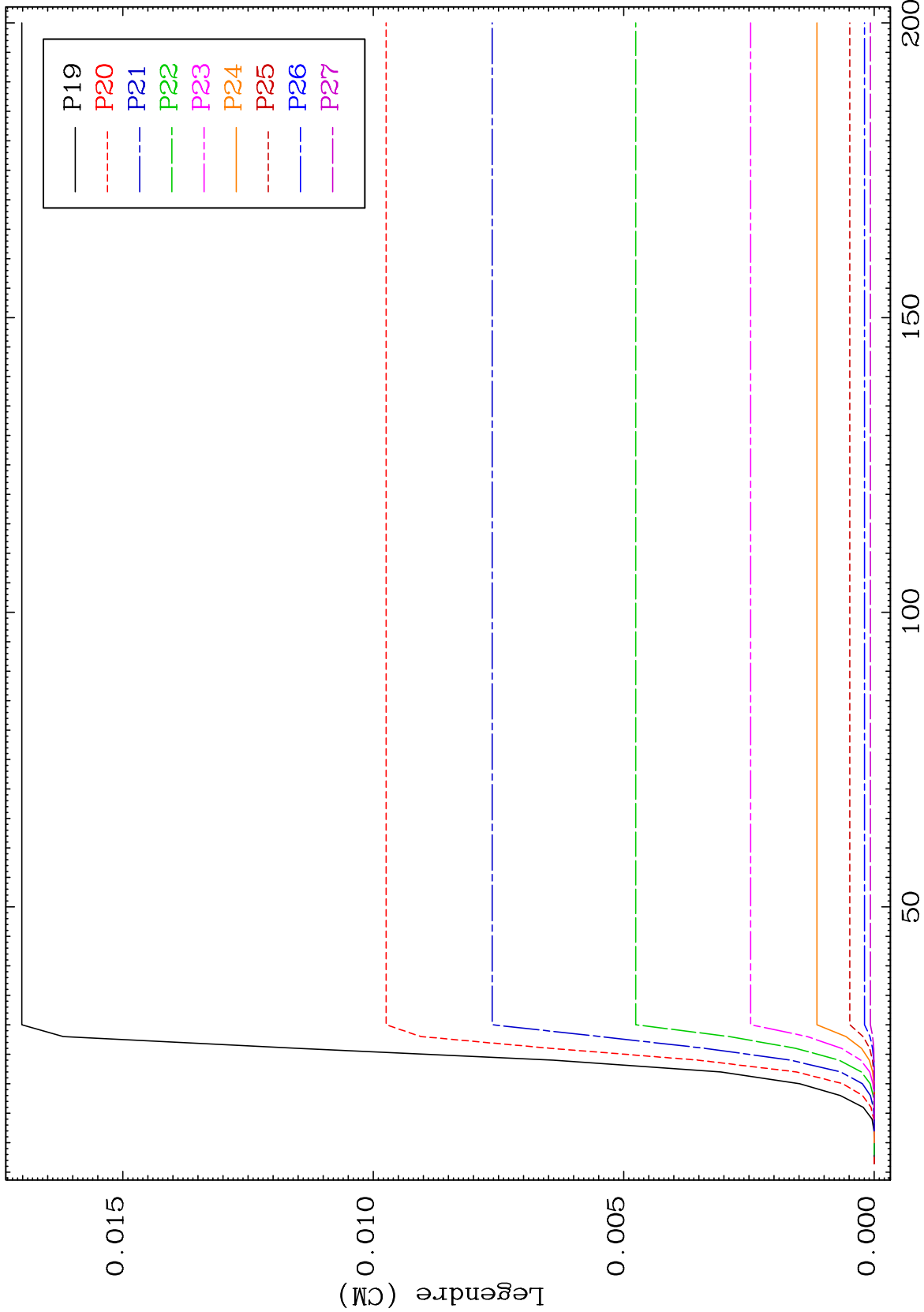
Incident Energy (MeV)

72-Hf-183

MAT 7252

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

72-Hf-183



91

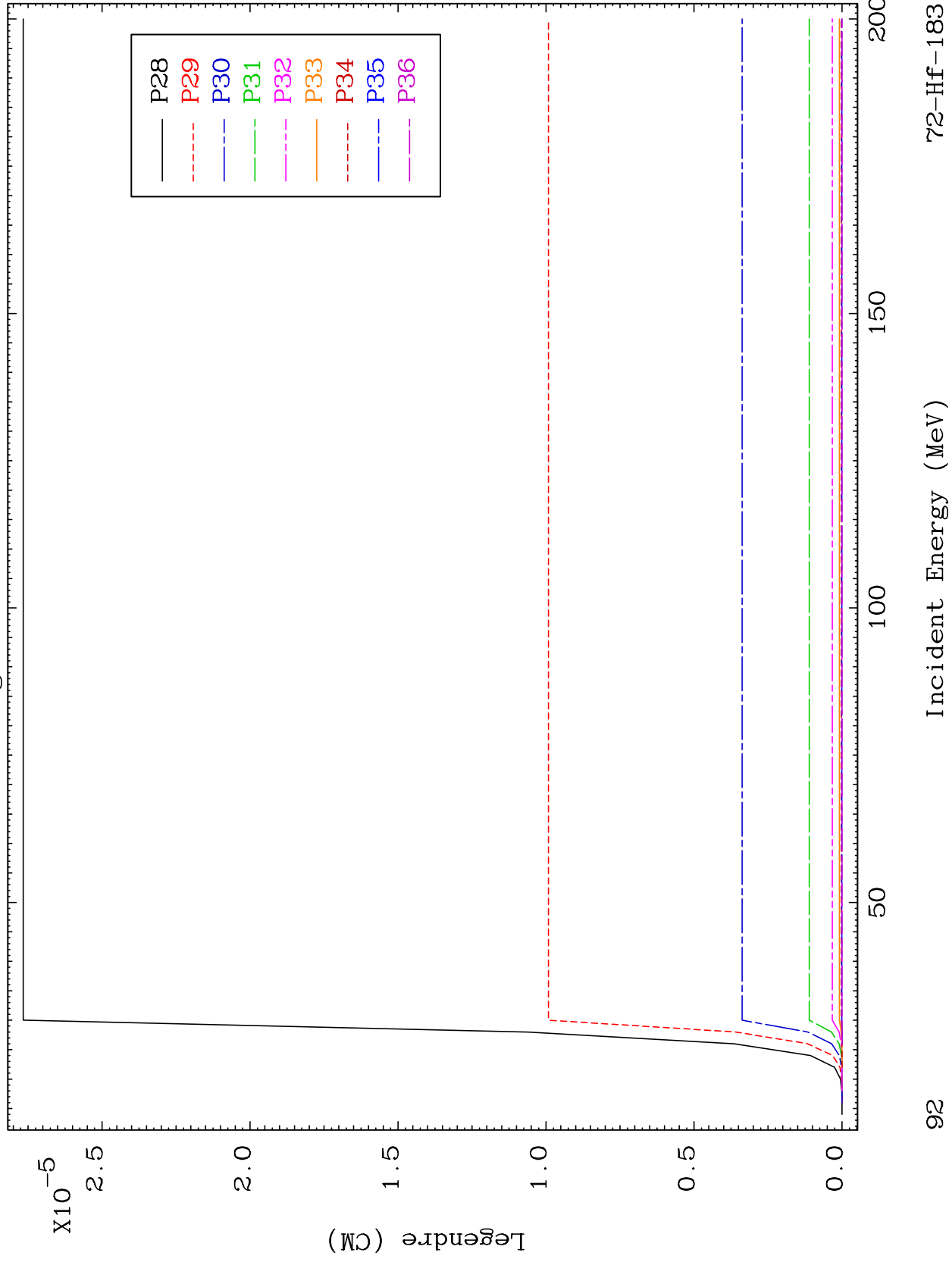
Incident Energy (MeV)

72-Hf-183

MAT 7252

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

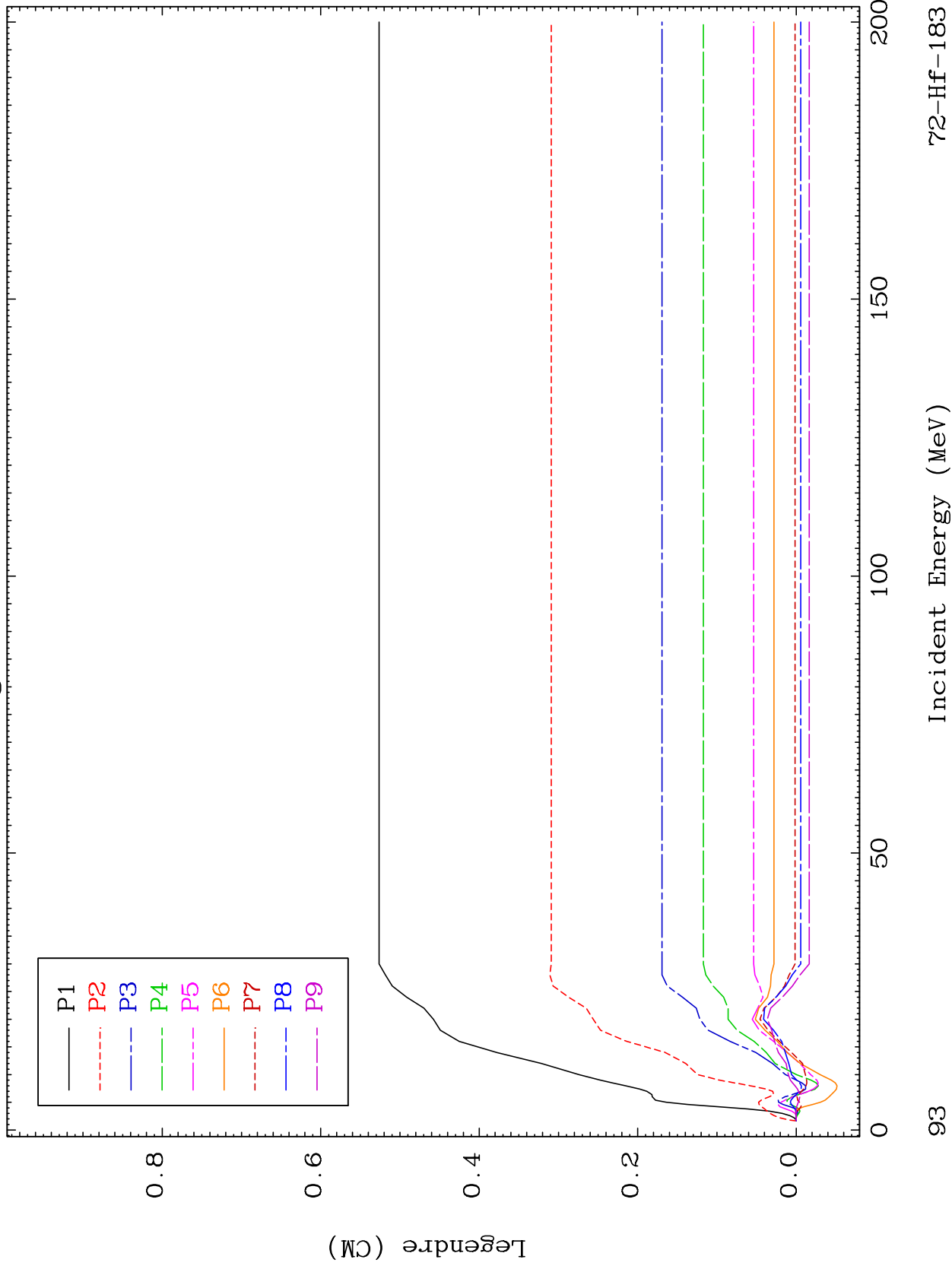
72-Hf-183



MAT 7252

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

72-Hf-183



72-Hf-183

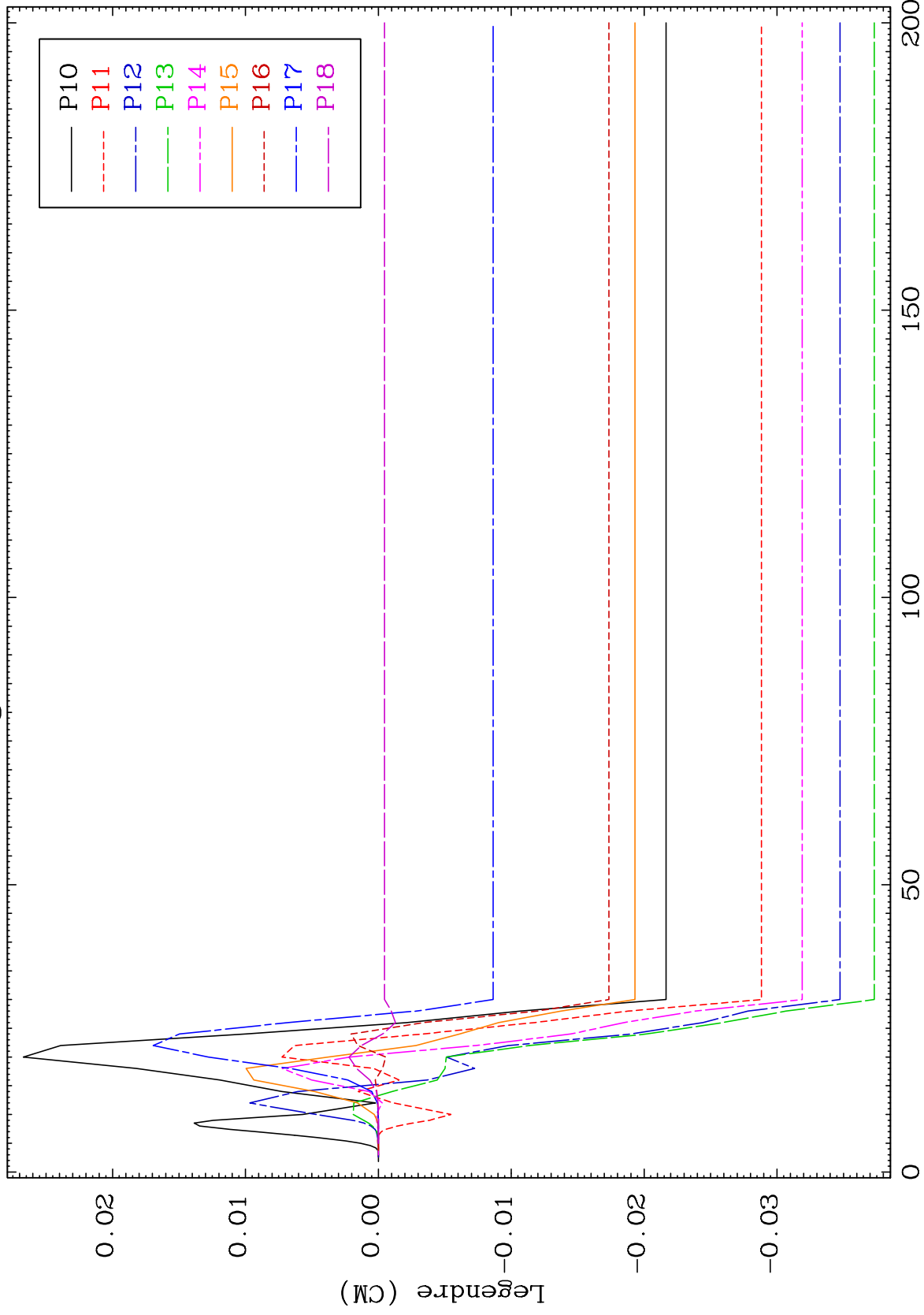
Incident Energy (MeV)

93

MAT 7252

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

72-Hf-183



94

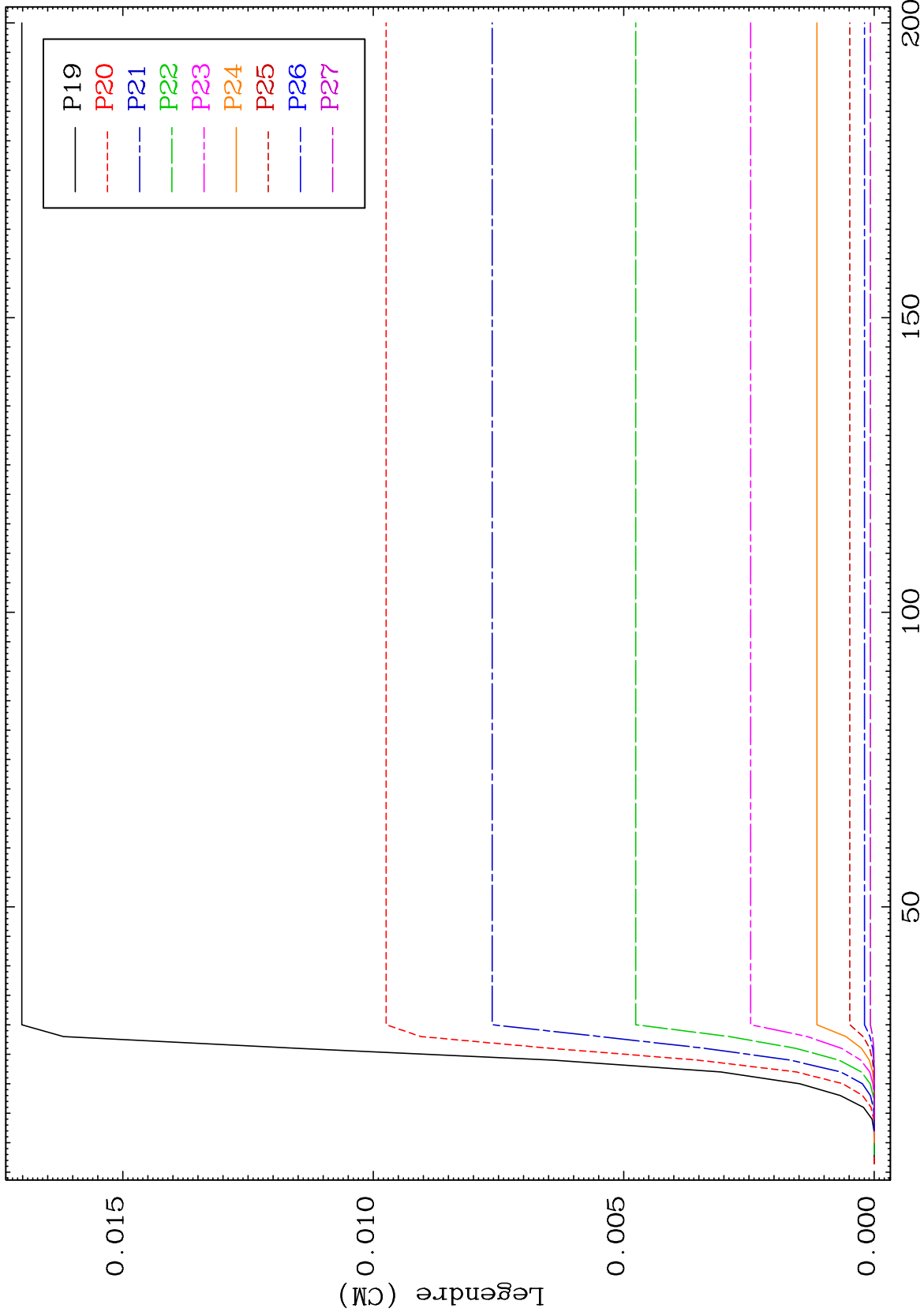
Incident Energy (MeV)

72-Hf-183

MAT 7252

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

72-Hf-183



95

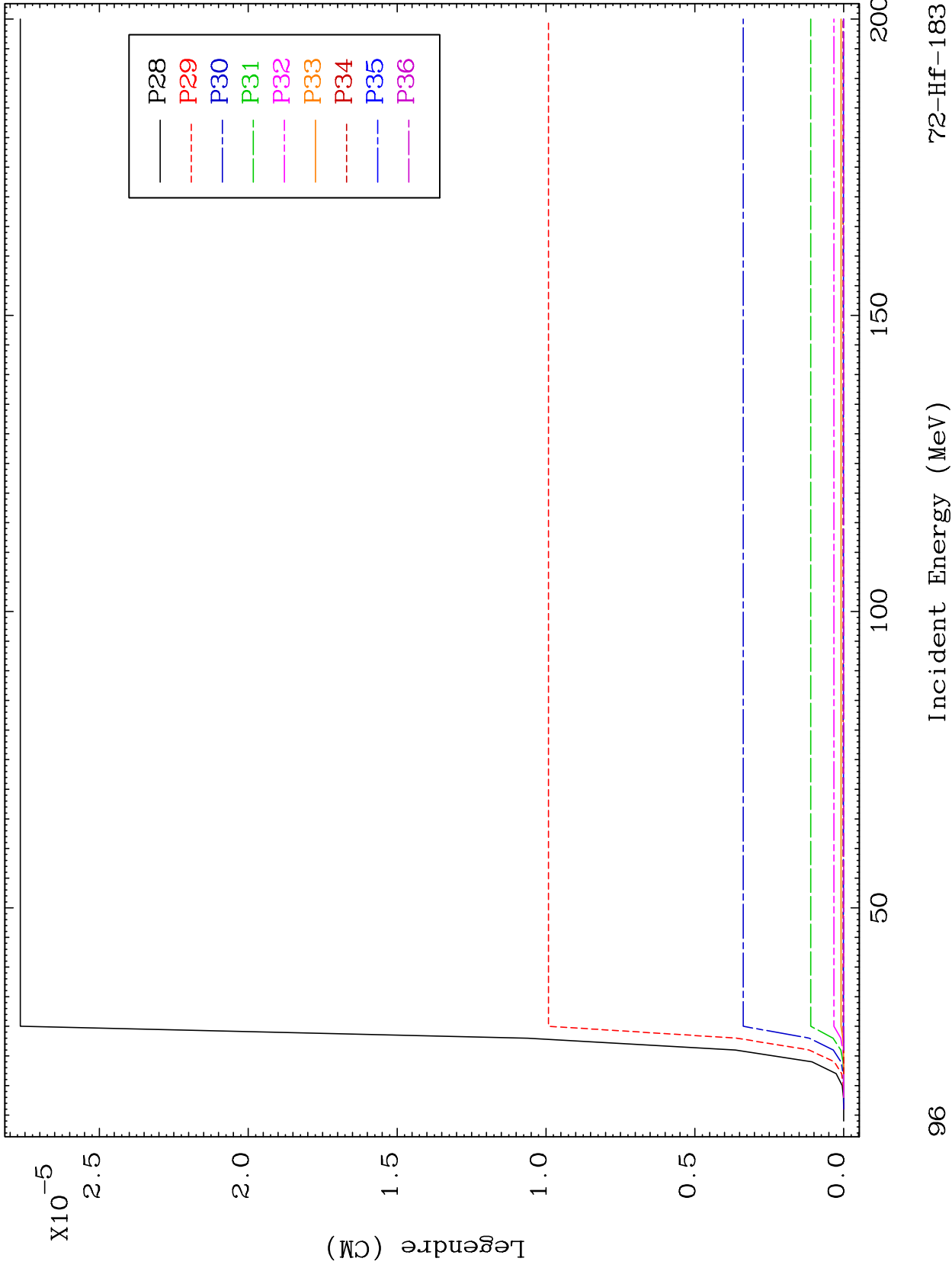
Incident Energy (MeV)

72-Hf-183

MAT 7252

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

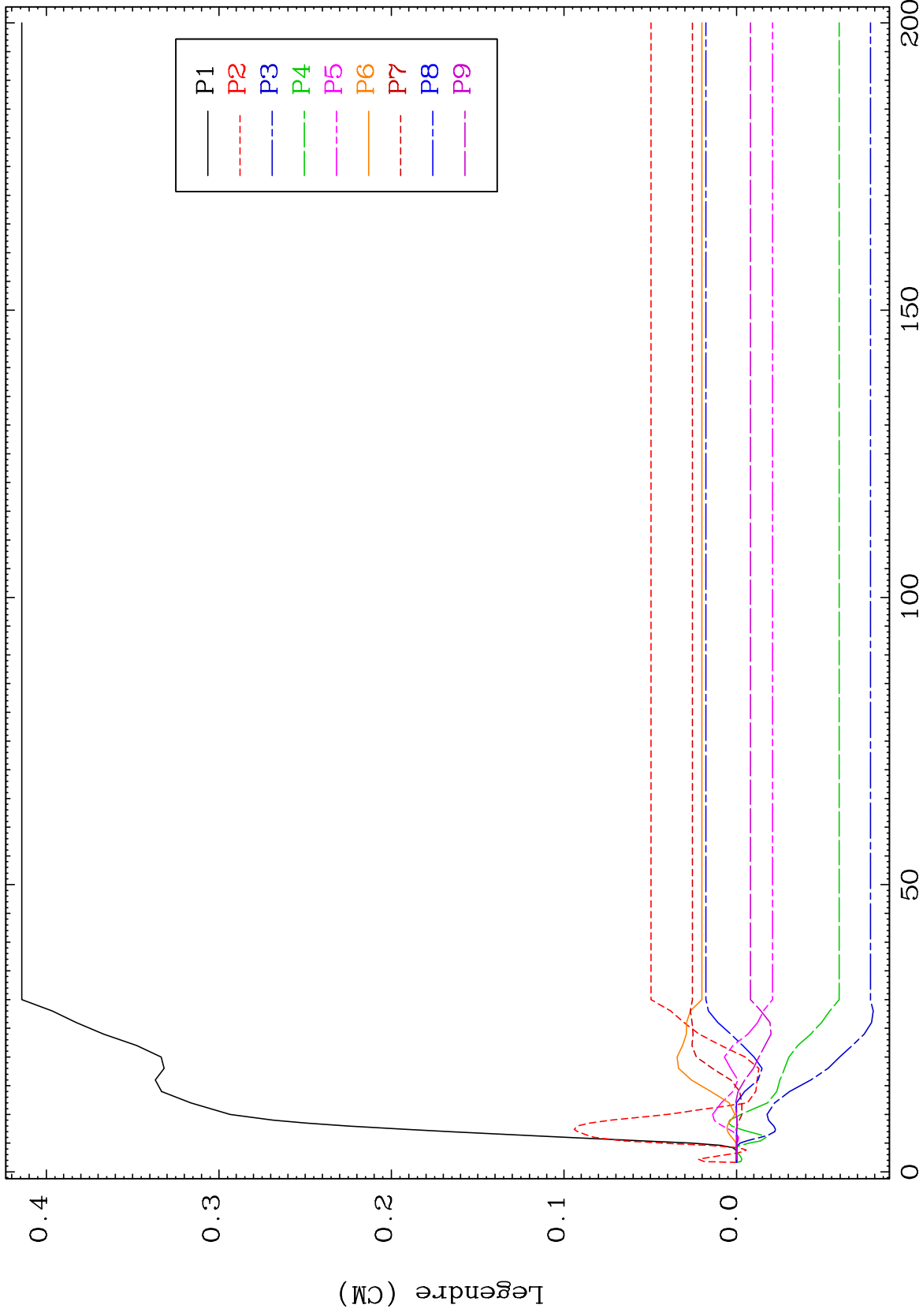
72-Hf-183



MAT 7252

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

72-Hf-183



97

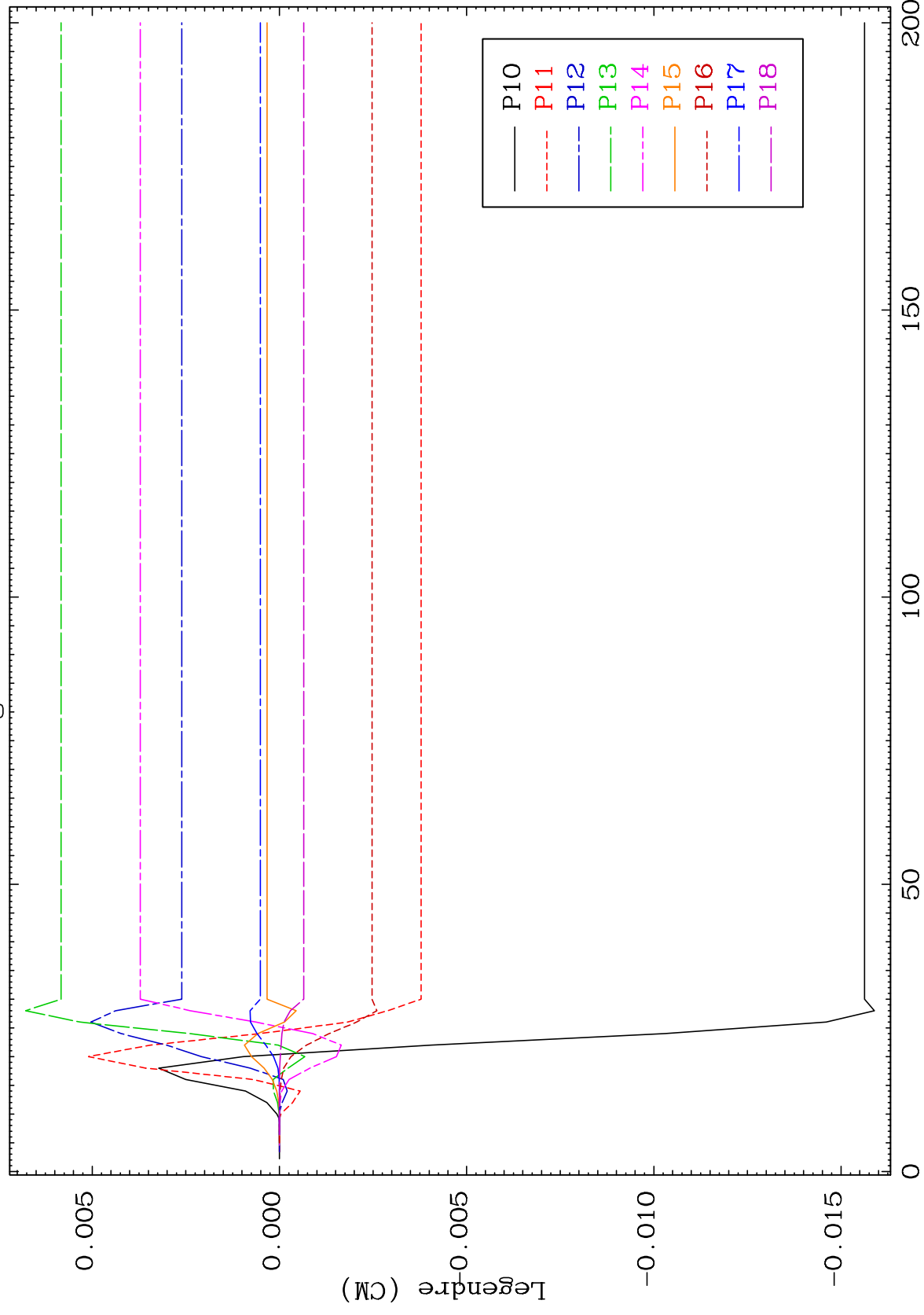
Incident Energy (MeV)

72-Hf-183

MAT 7252

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

72-Hf-183



98

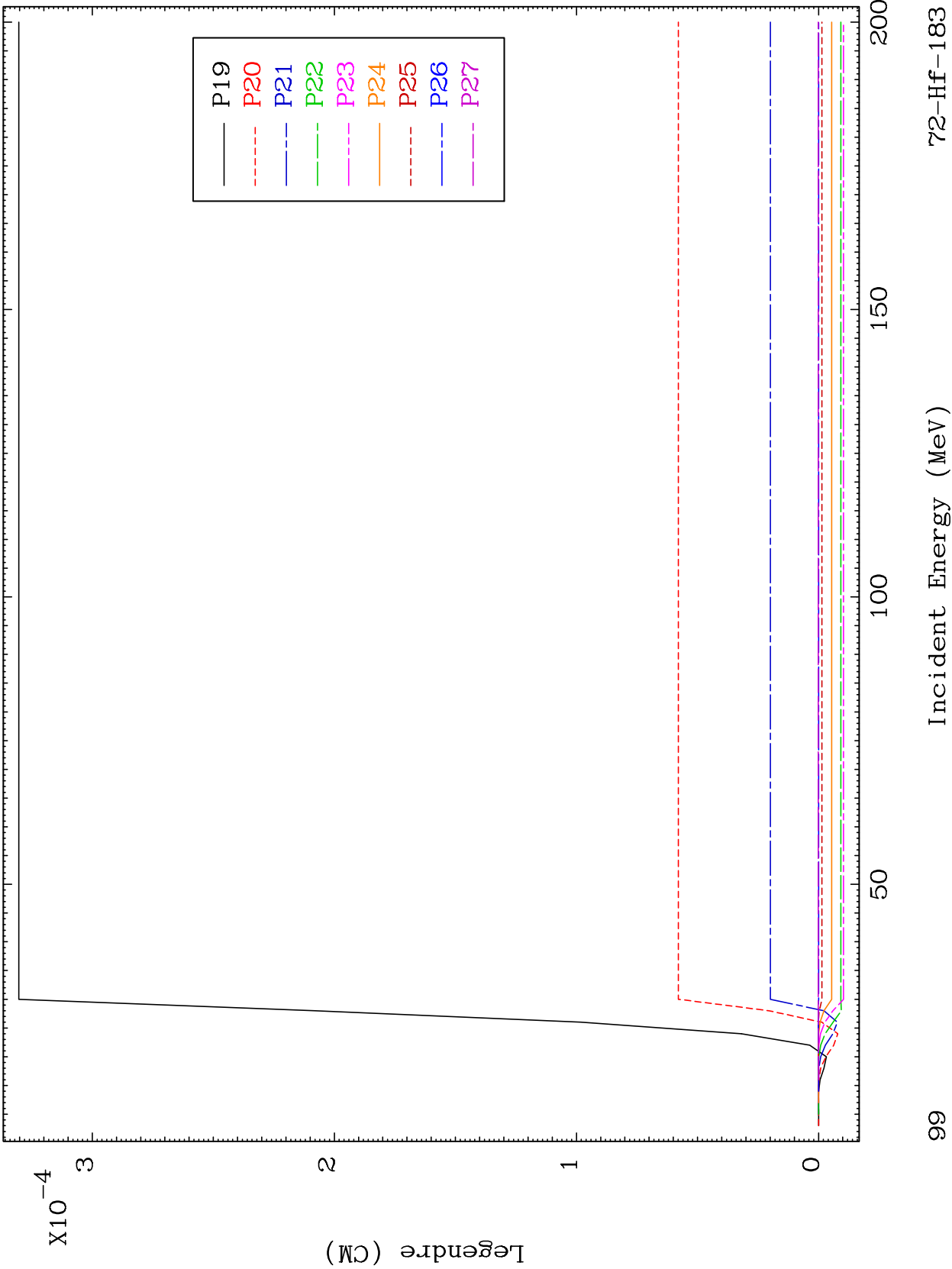
Incident Energy (MeV)

72-Hf-183

MAT 7252

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

72-Hf-183



99

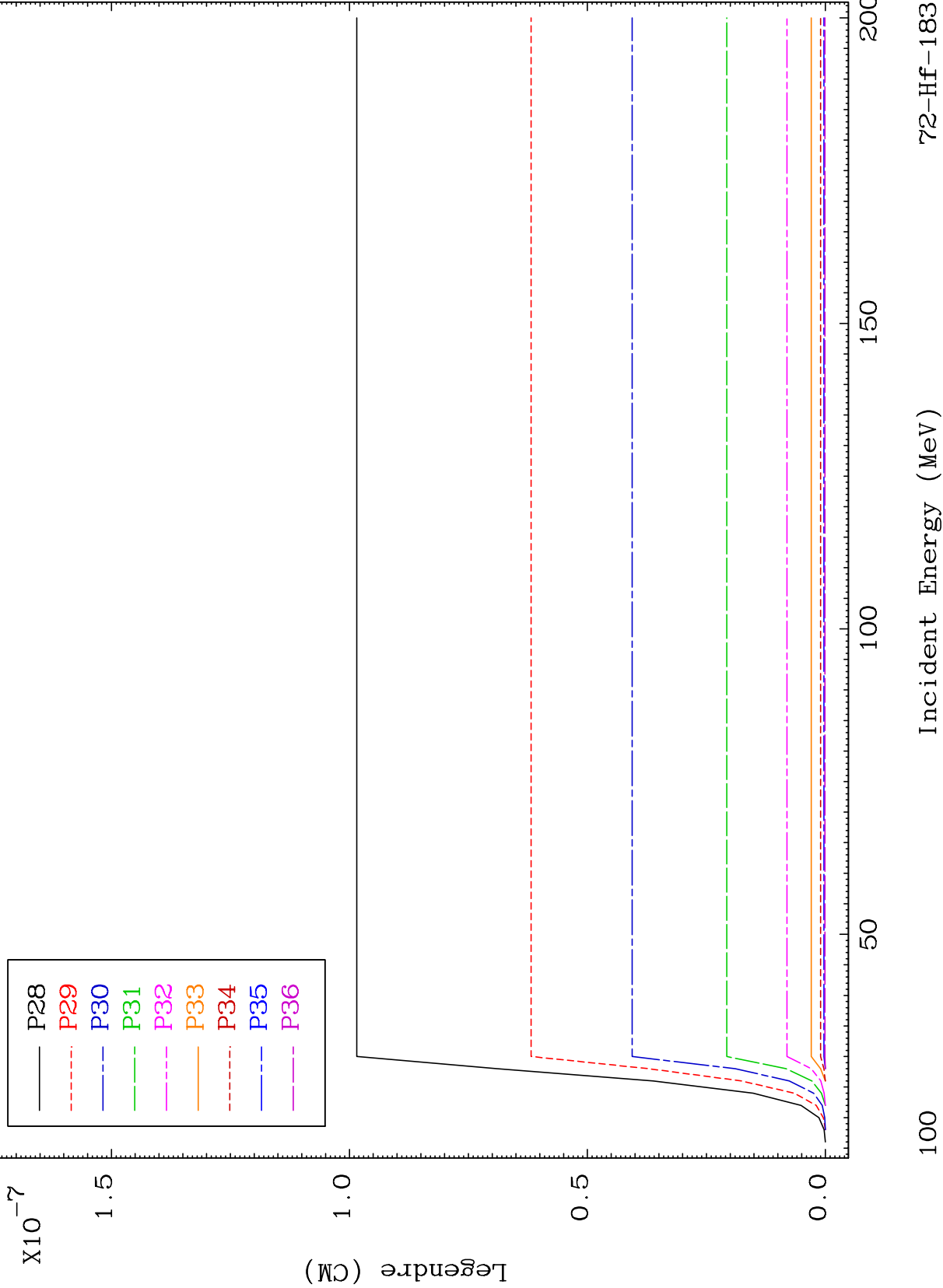
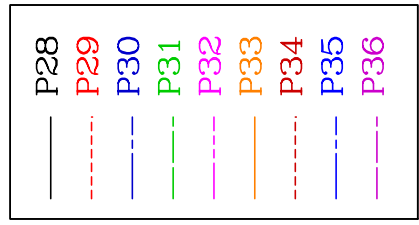
Incident Energy (MeV)

72-Hf-183

MAT 7252

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

72-Hf-183

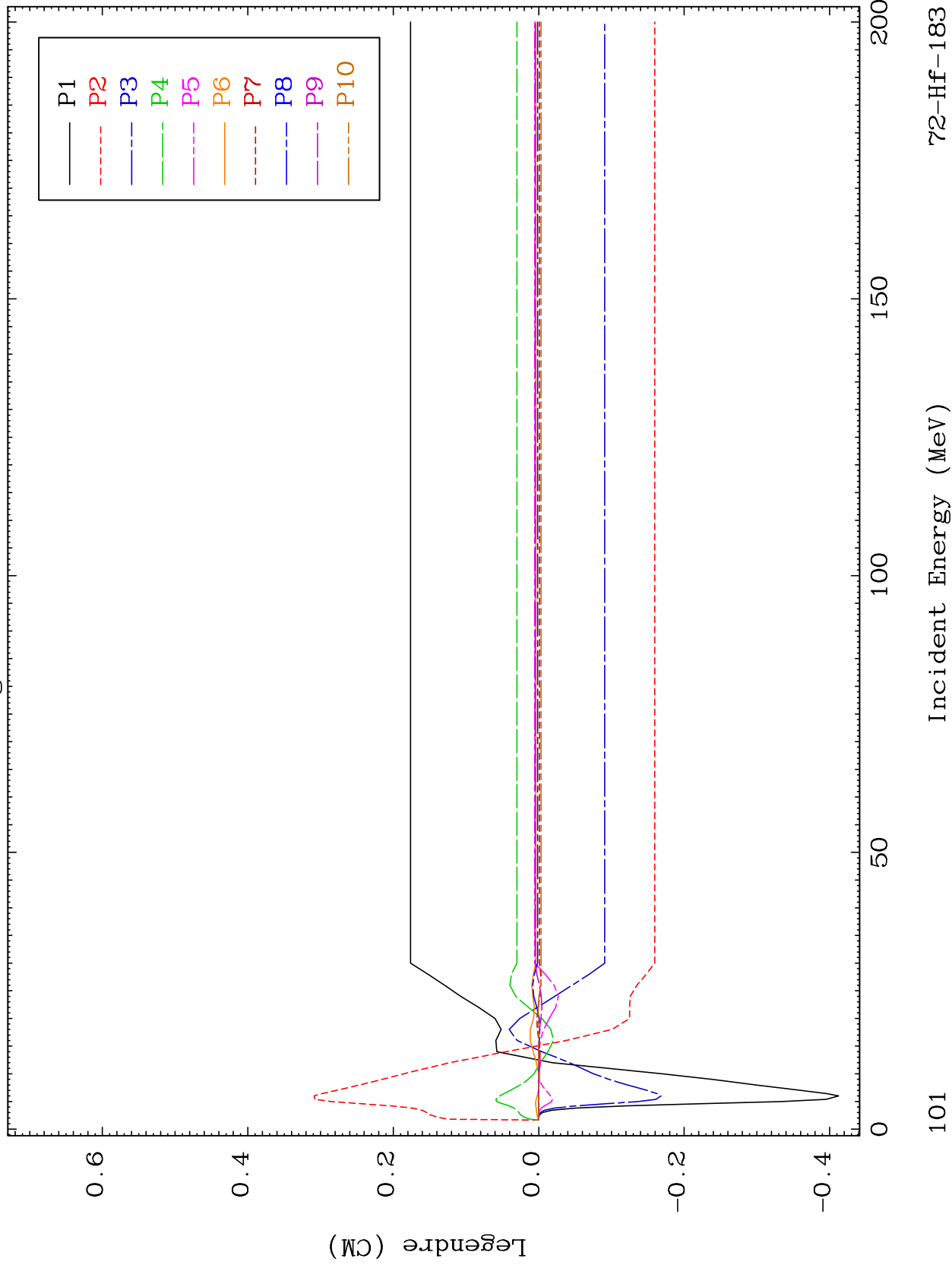


72-Hf-183

MAT 7252

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

72-Hf-183



72-Hf-183

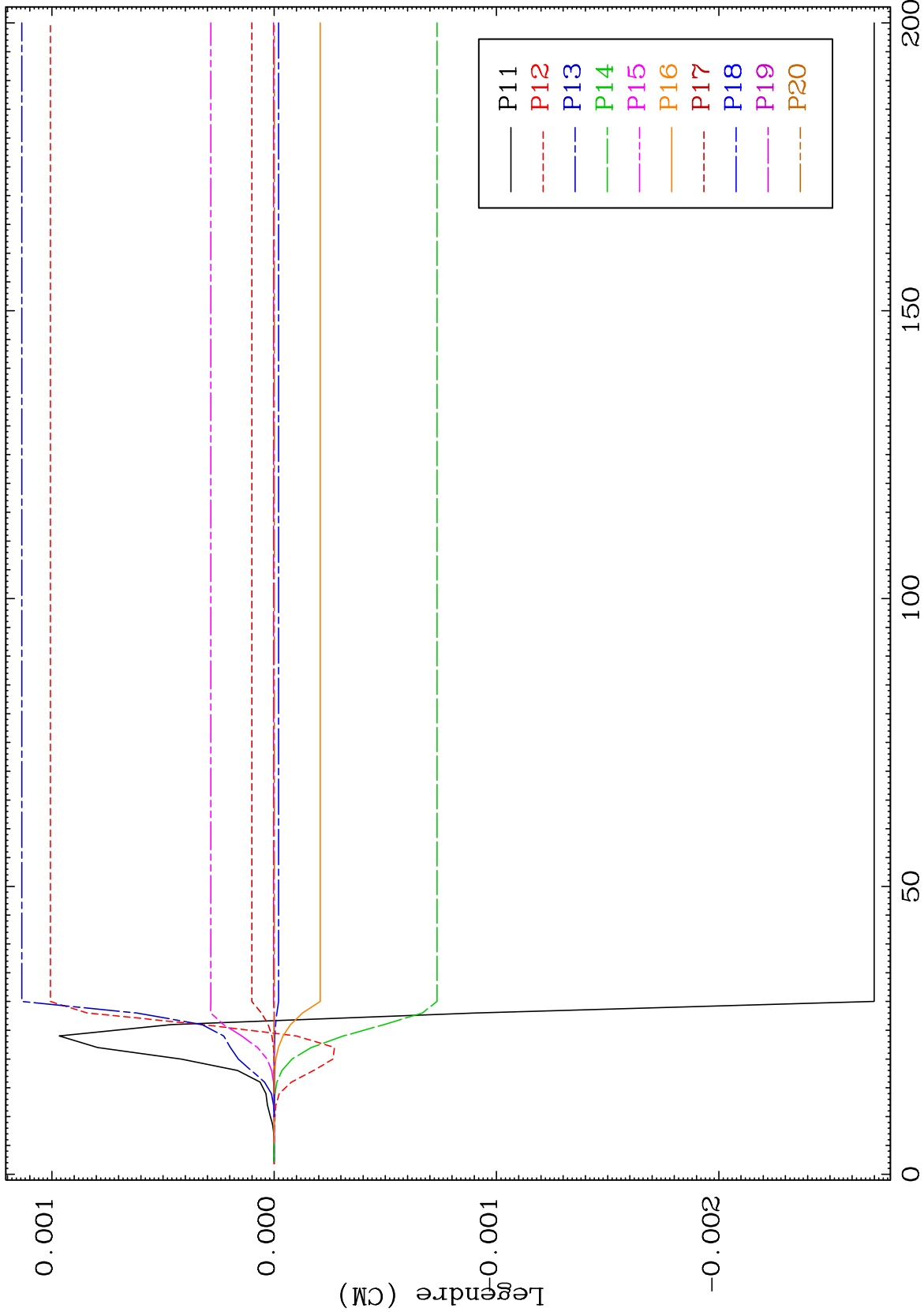
Incident Energy (MeV)

101

MAT 7252

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

72-Hf-183



102

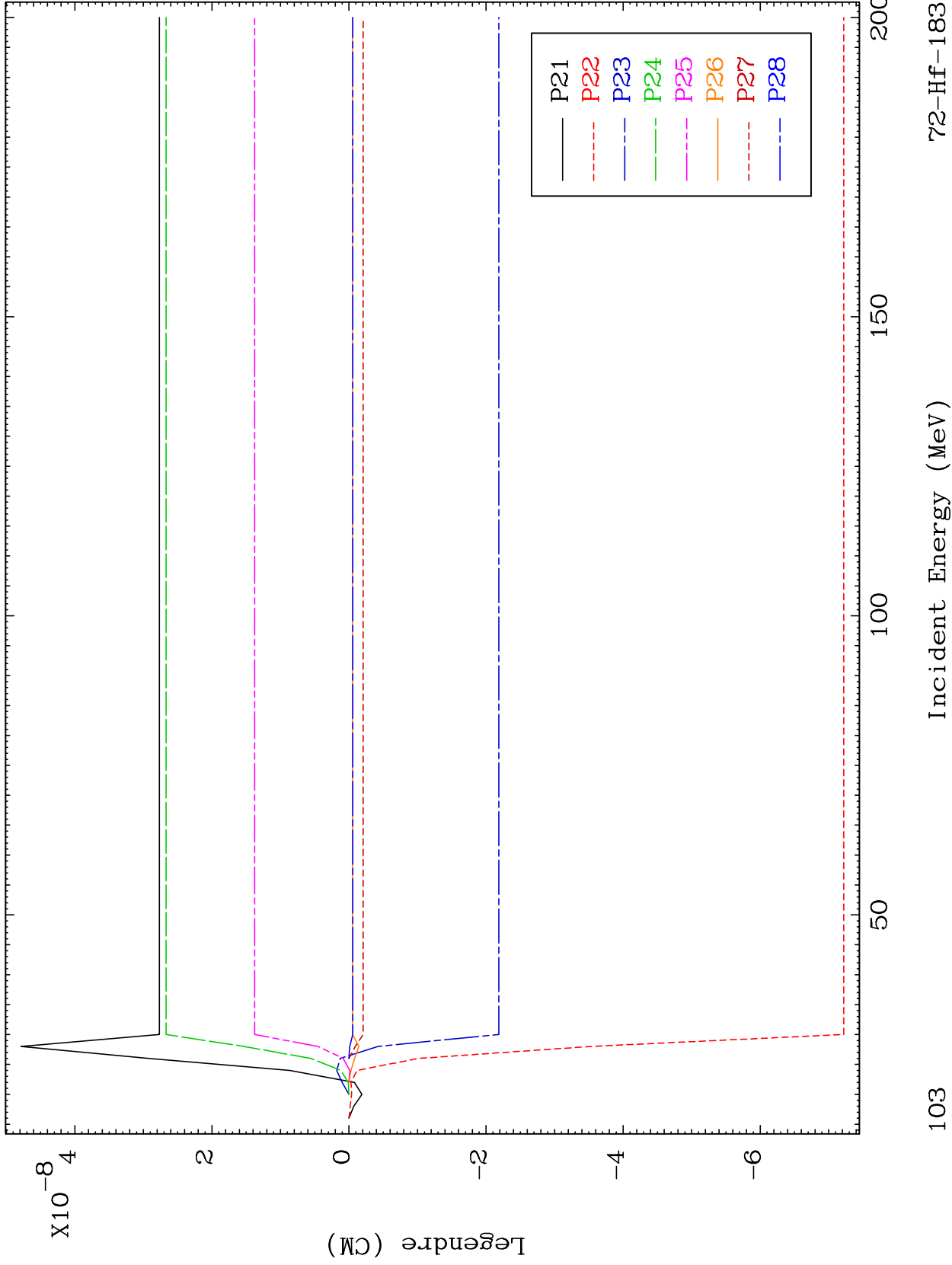
Incident Energy (MeV)

72-Hf-183

MAT 7252

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

72-Hf-183



103

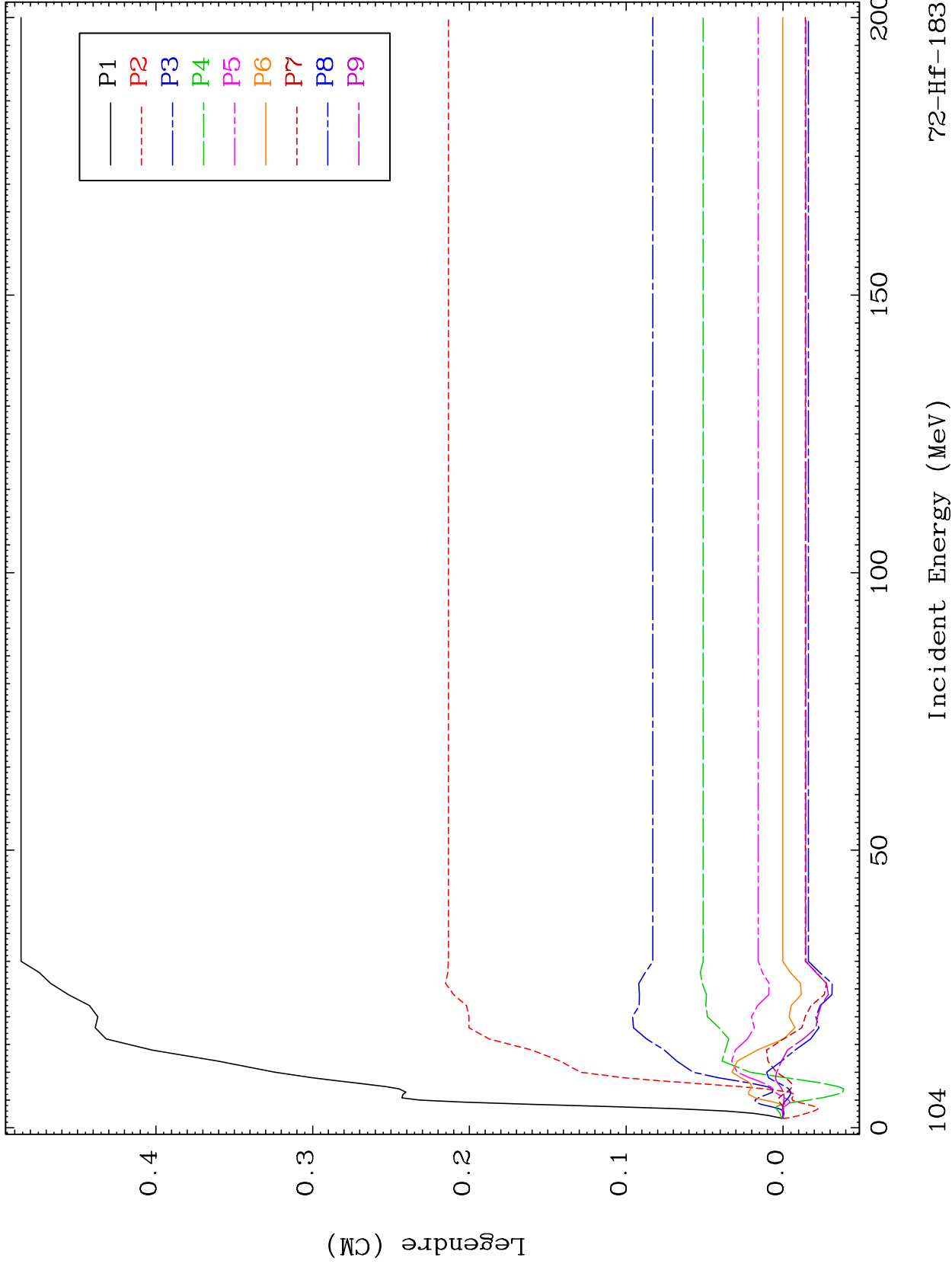
Incident Energy (MeV)

72-Hf-183

MAT 7252

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

72-Hf-183



72-Hf-183

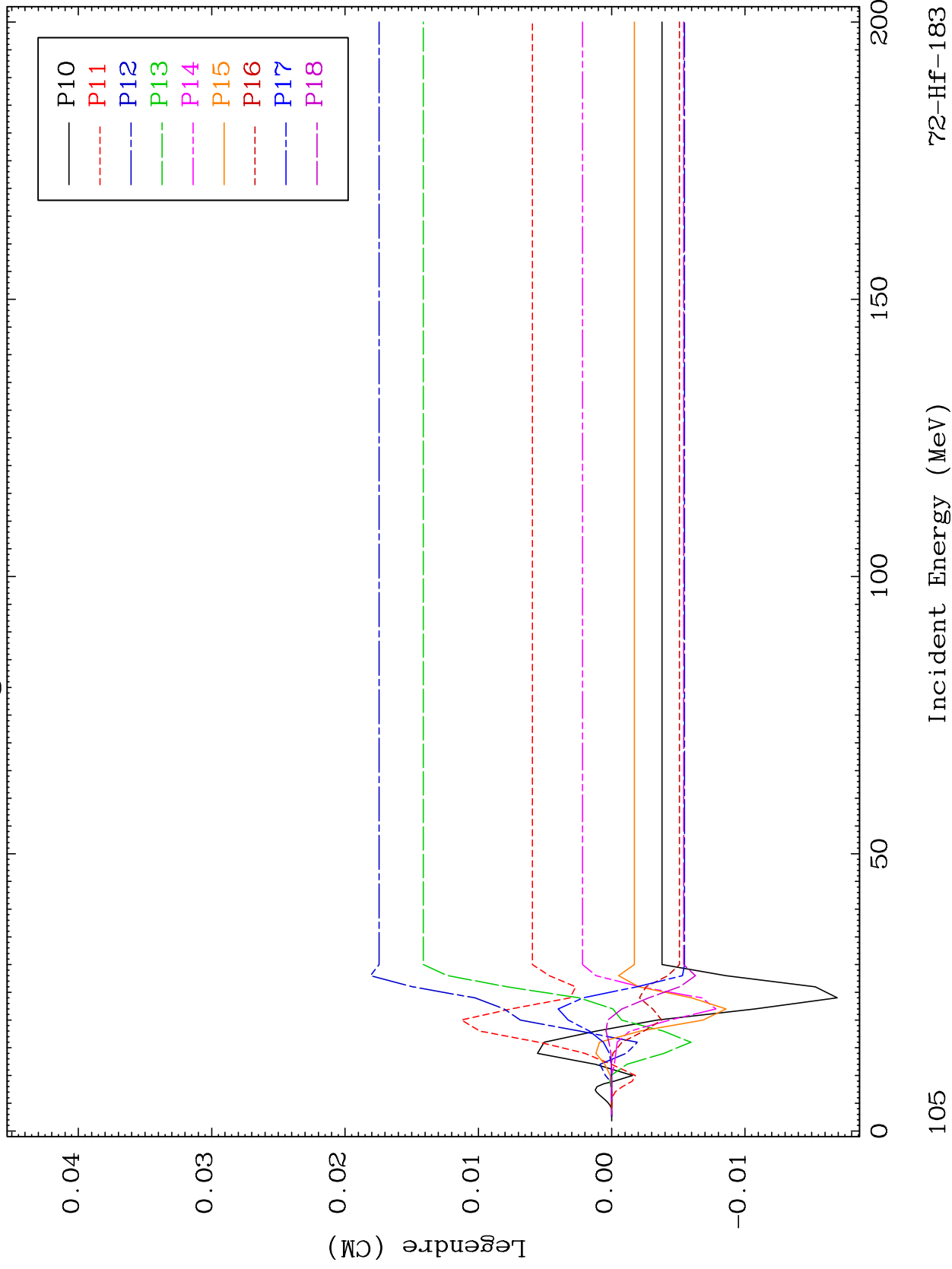
Incident Energy (MeV)

104

MAT 7252

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

72-Hf-183



72-Hf-183

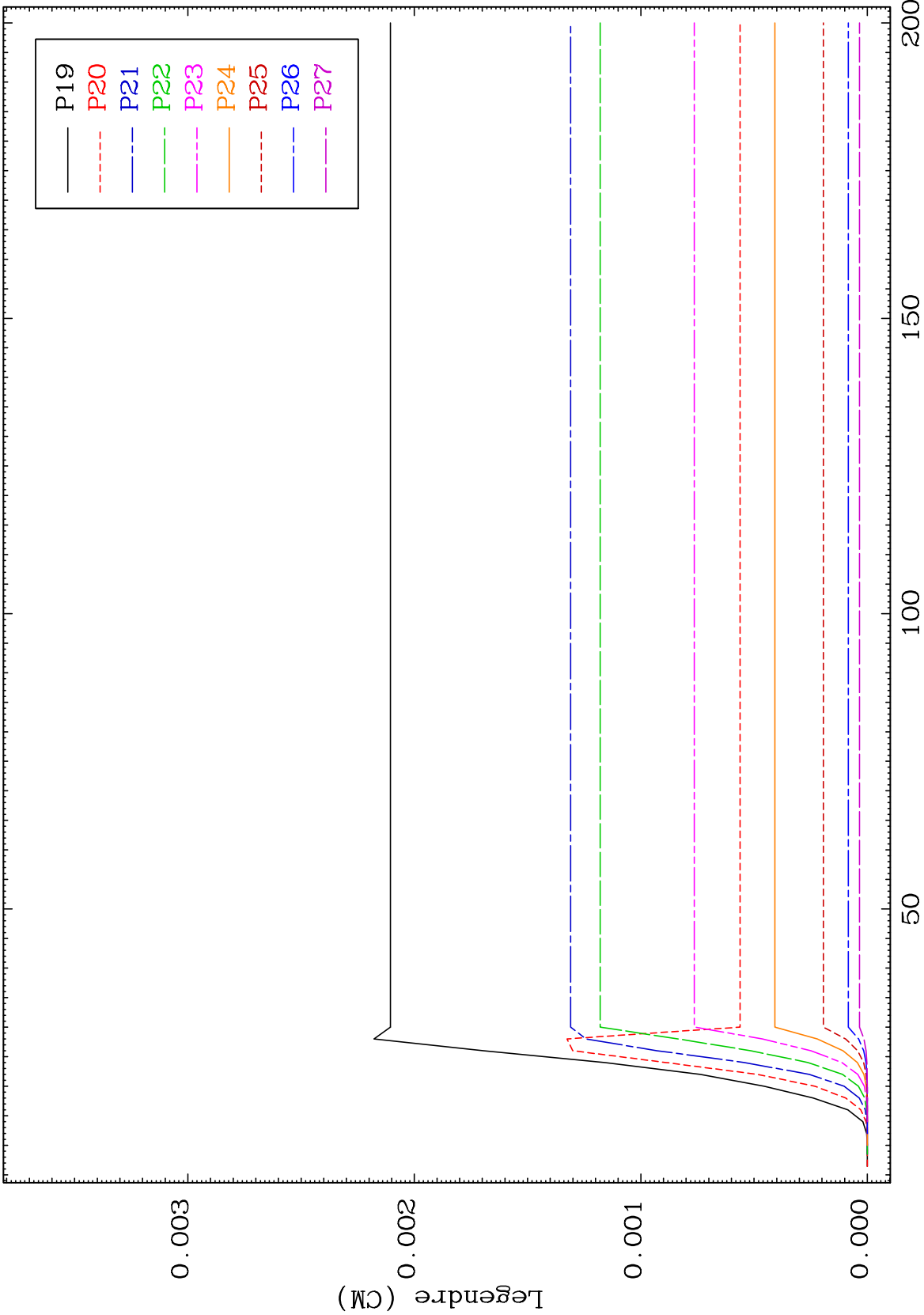
Incident Energy (MeV)

105

MAT 7252

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

72-Hf-183



106

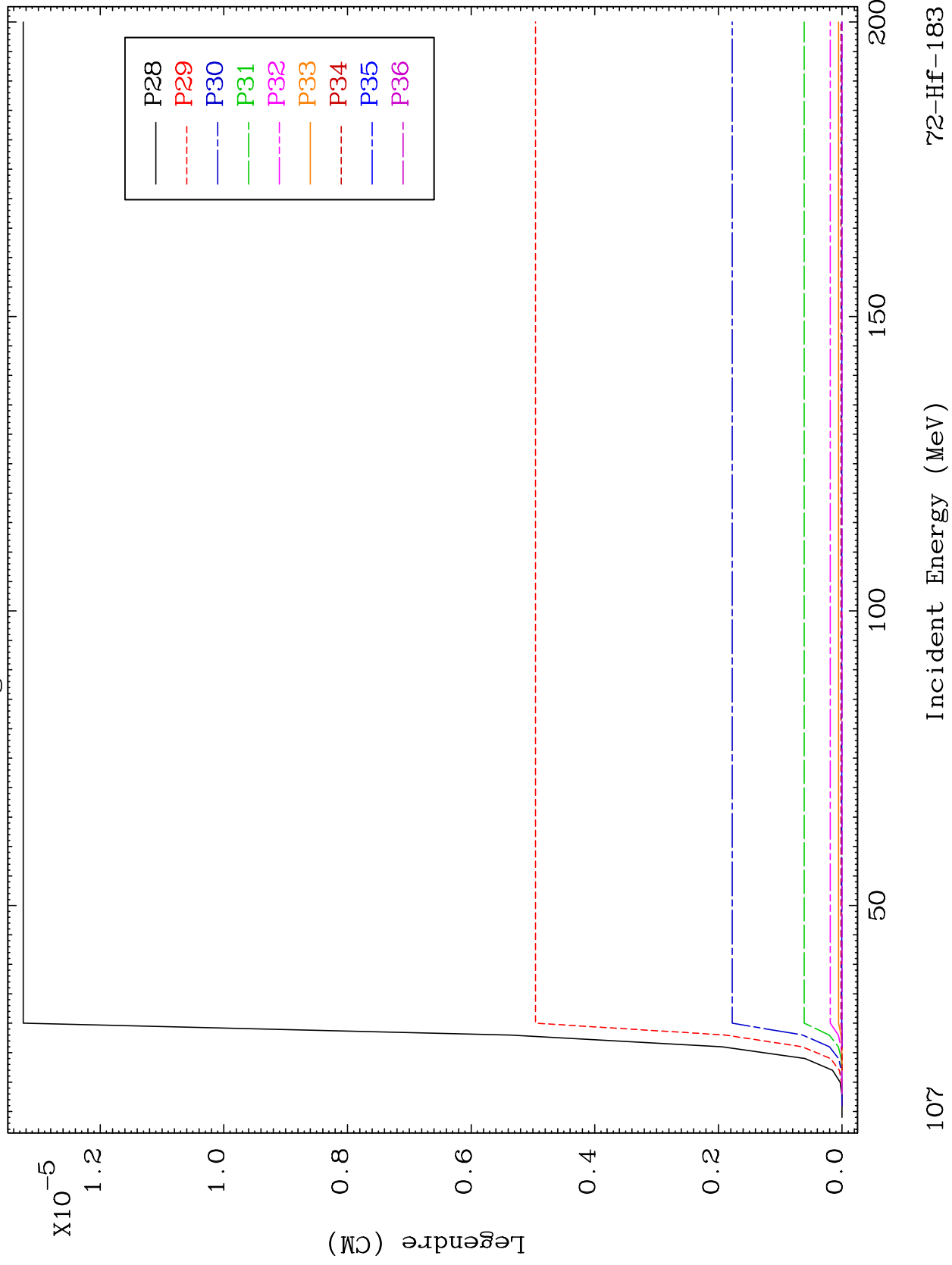
Incident Energy (MeV)

72-Hf-183

MAT 7252

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

72-Hf-183



107

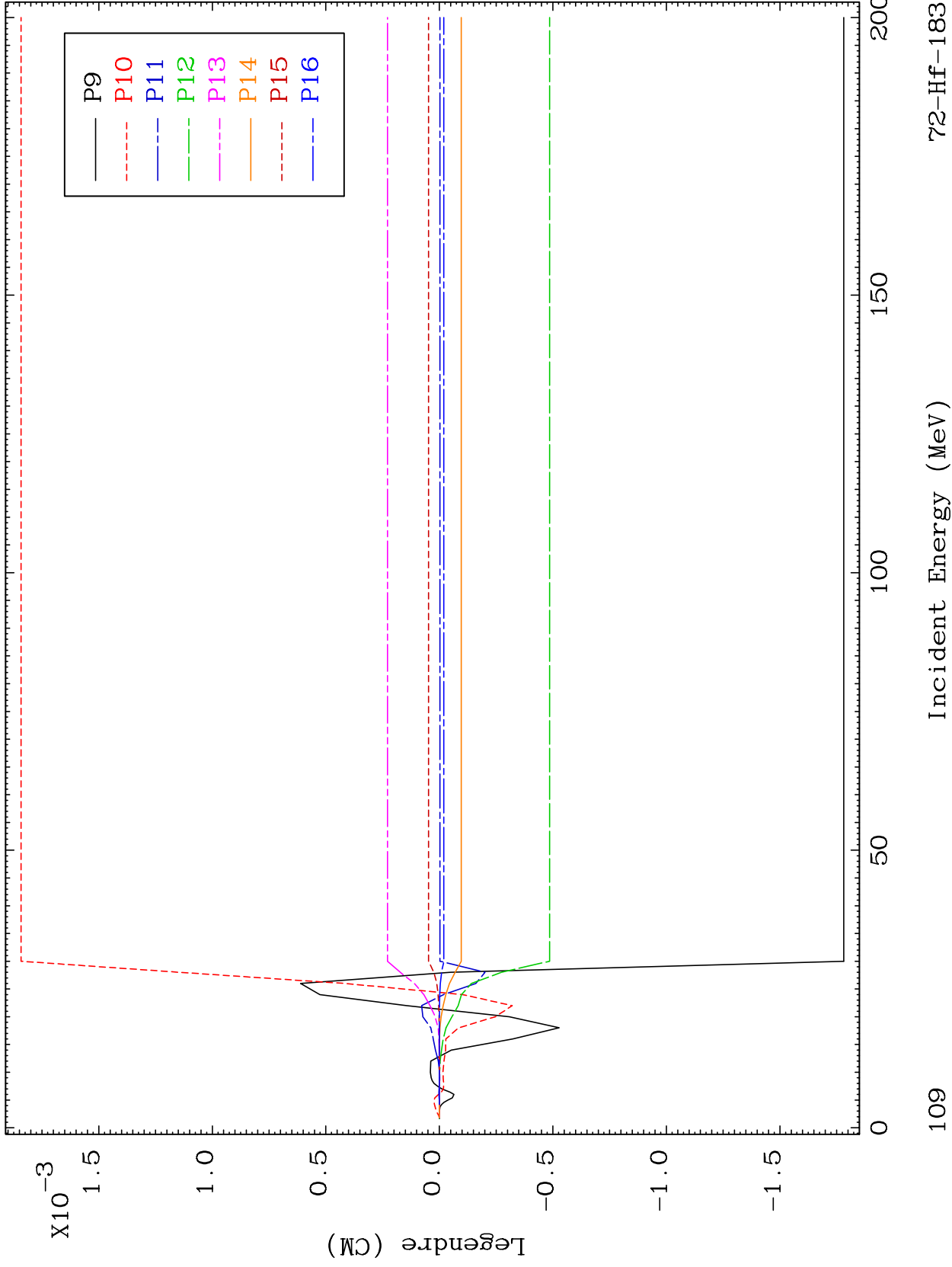
Incident Energy (MeV)

72-Hf-183

MAT 7252

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

72-Hf-183



109

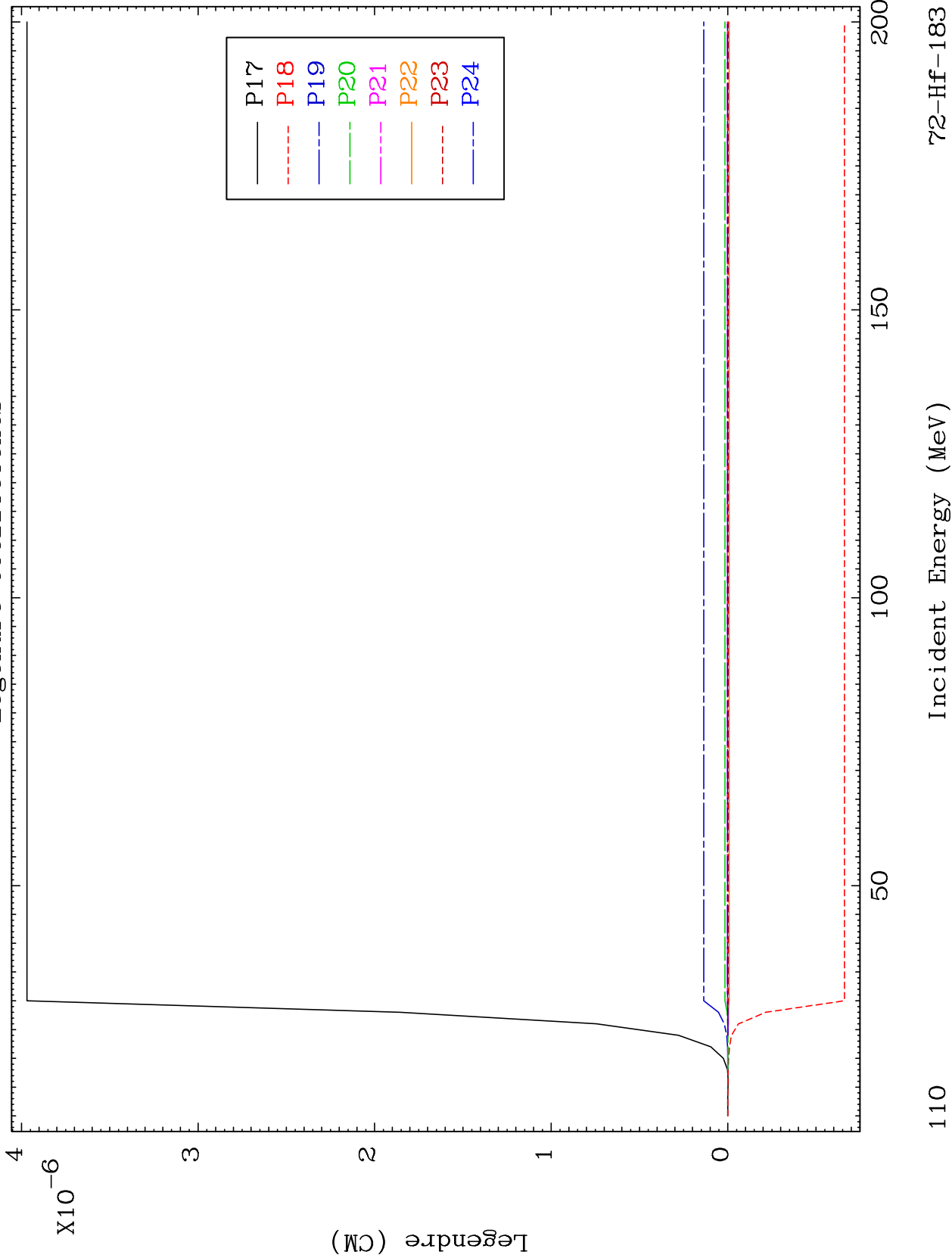
Incident Energy (MeV)

72-Hf-183

MAT 7252

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

72-Hf-183



110

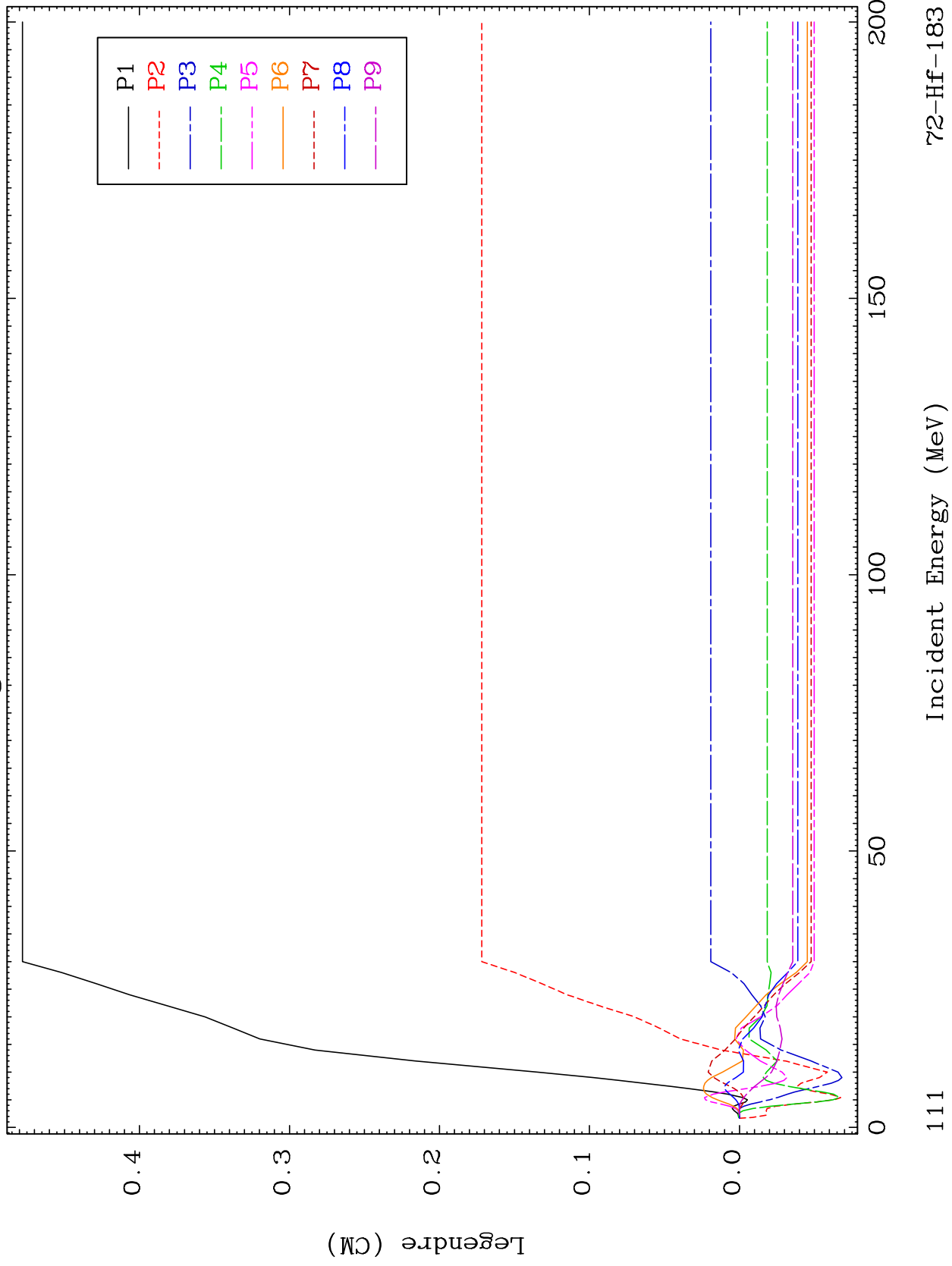
Incident Energy (MeV)

72-Hf-183

MAT 7252

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

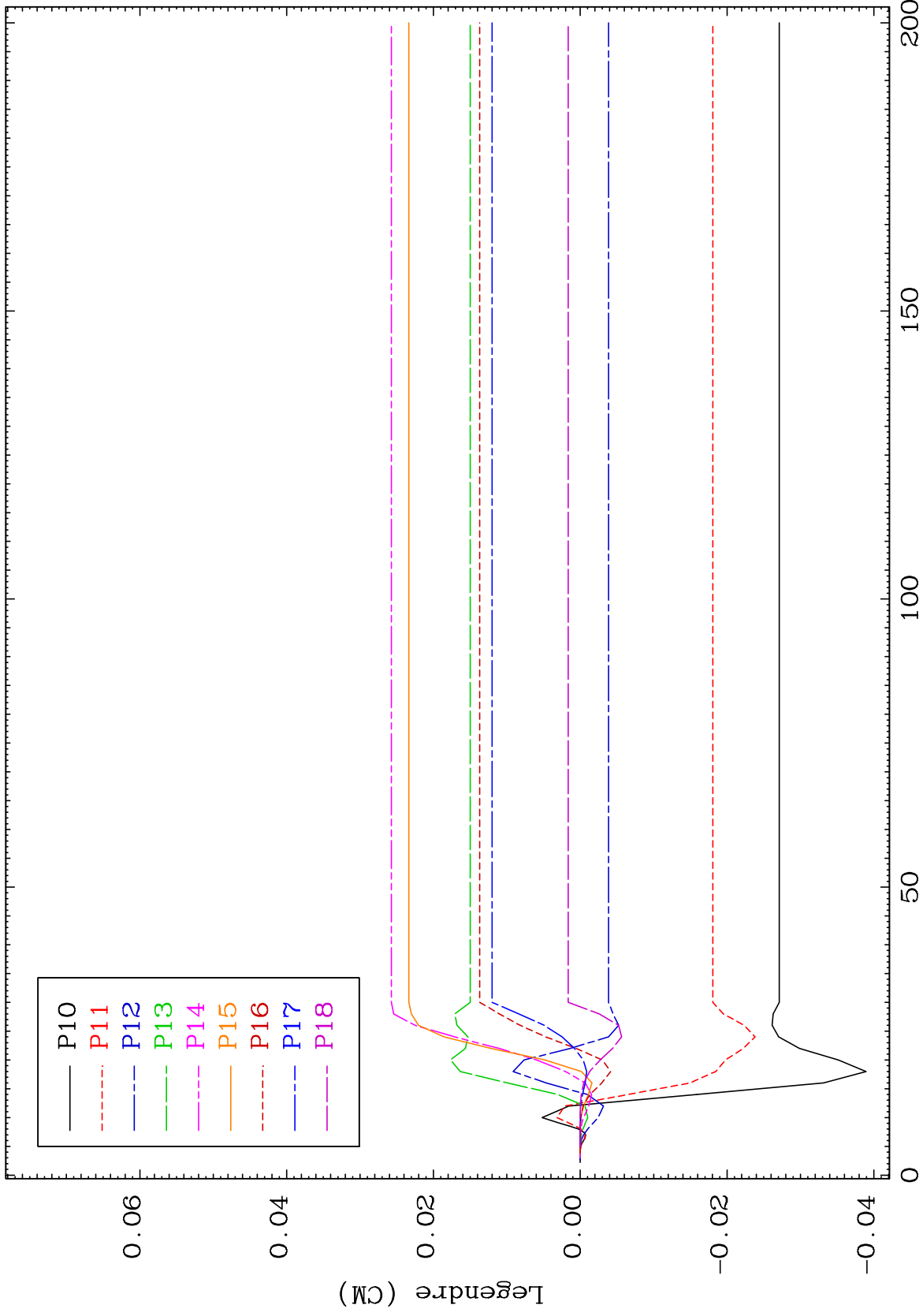
72-Hf-183

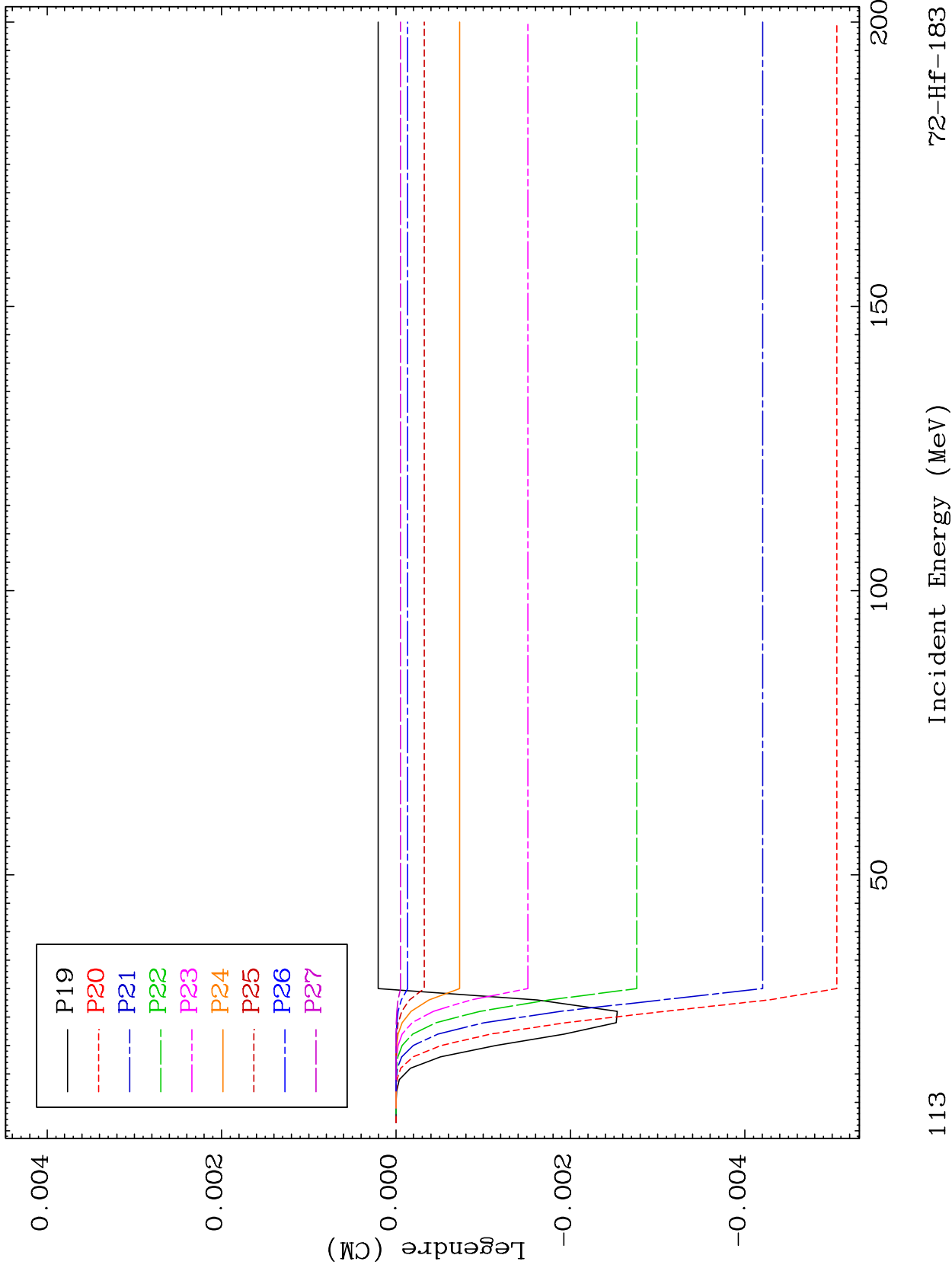


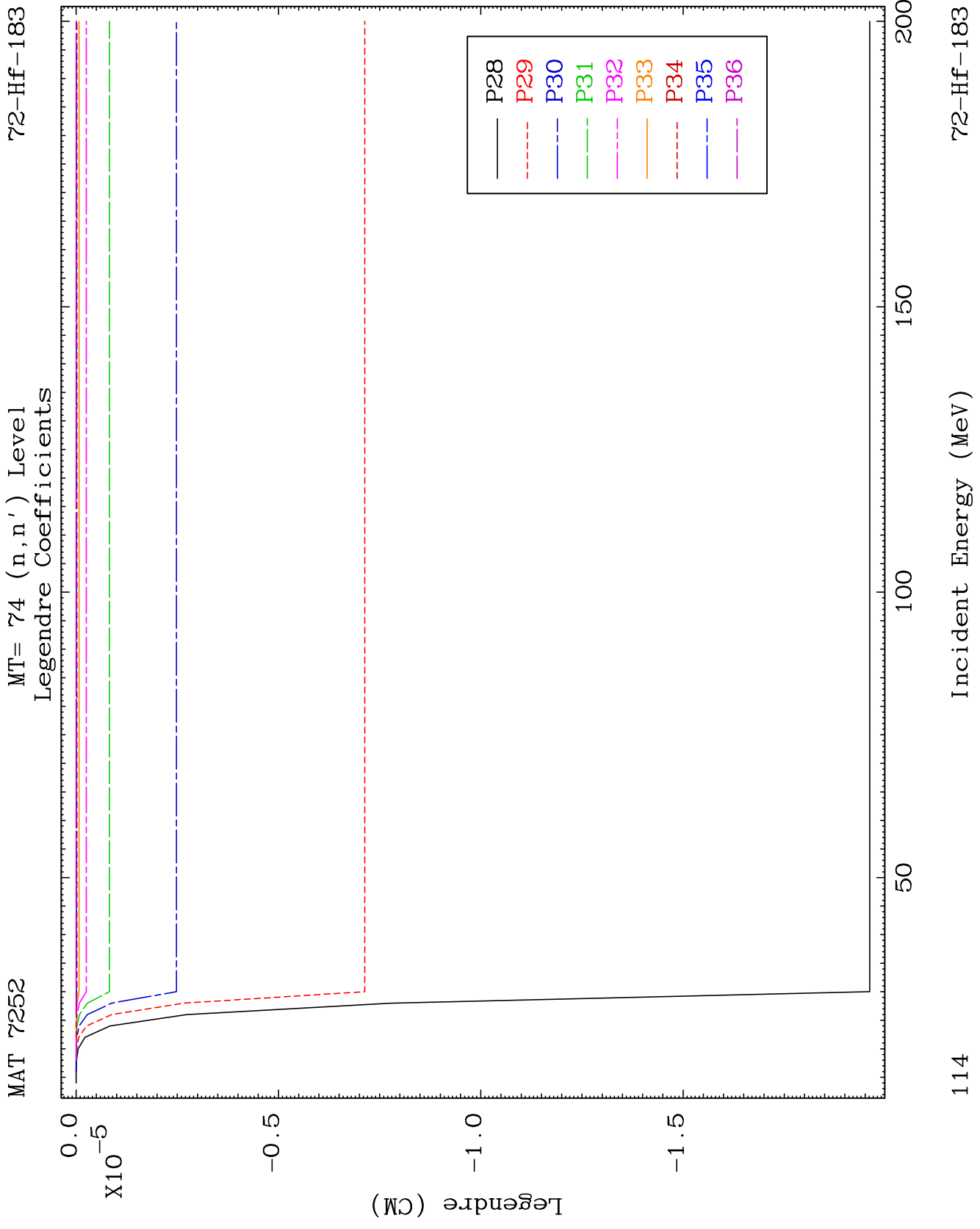
72-Hf-183

Incident Energy (MeV)

111



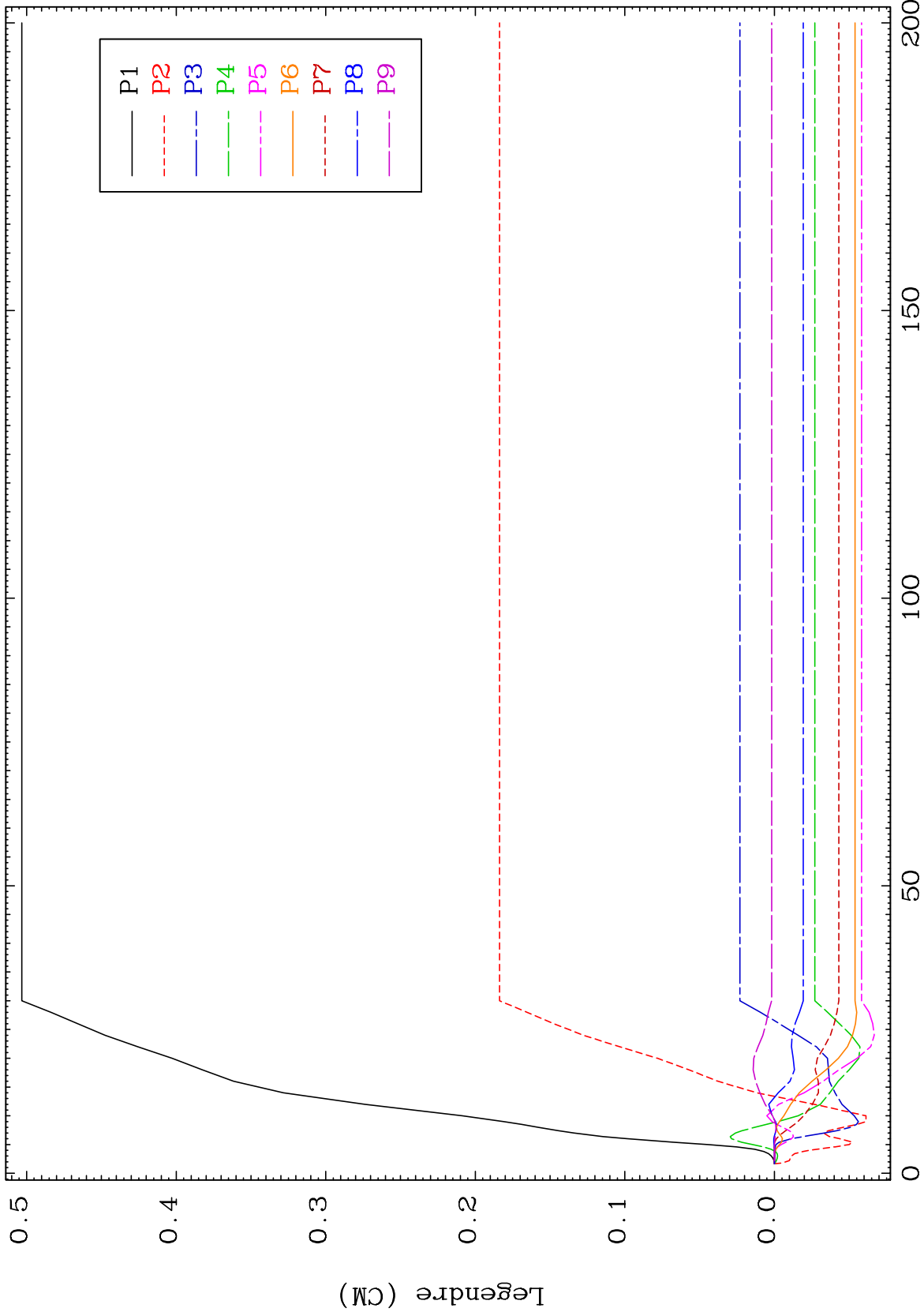




MAT 7252

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

72-Hf-183



72-Hf-183

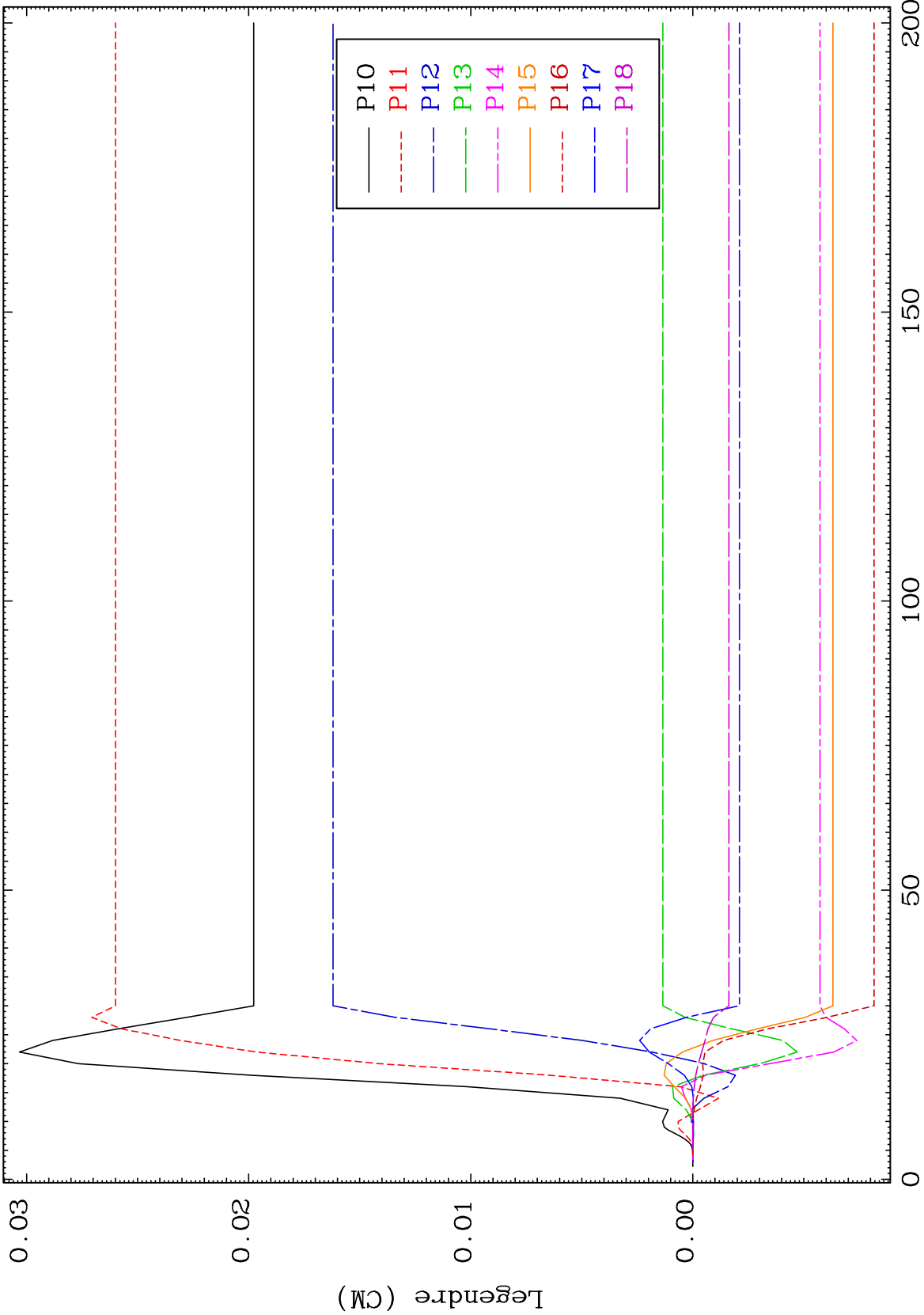
Incident Energy (MeV)

115

MAT 7252

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

72-Hf-183



116

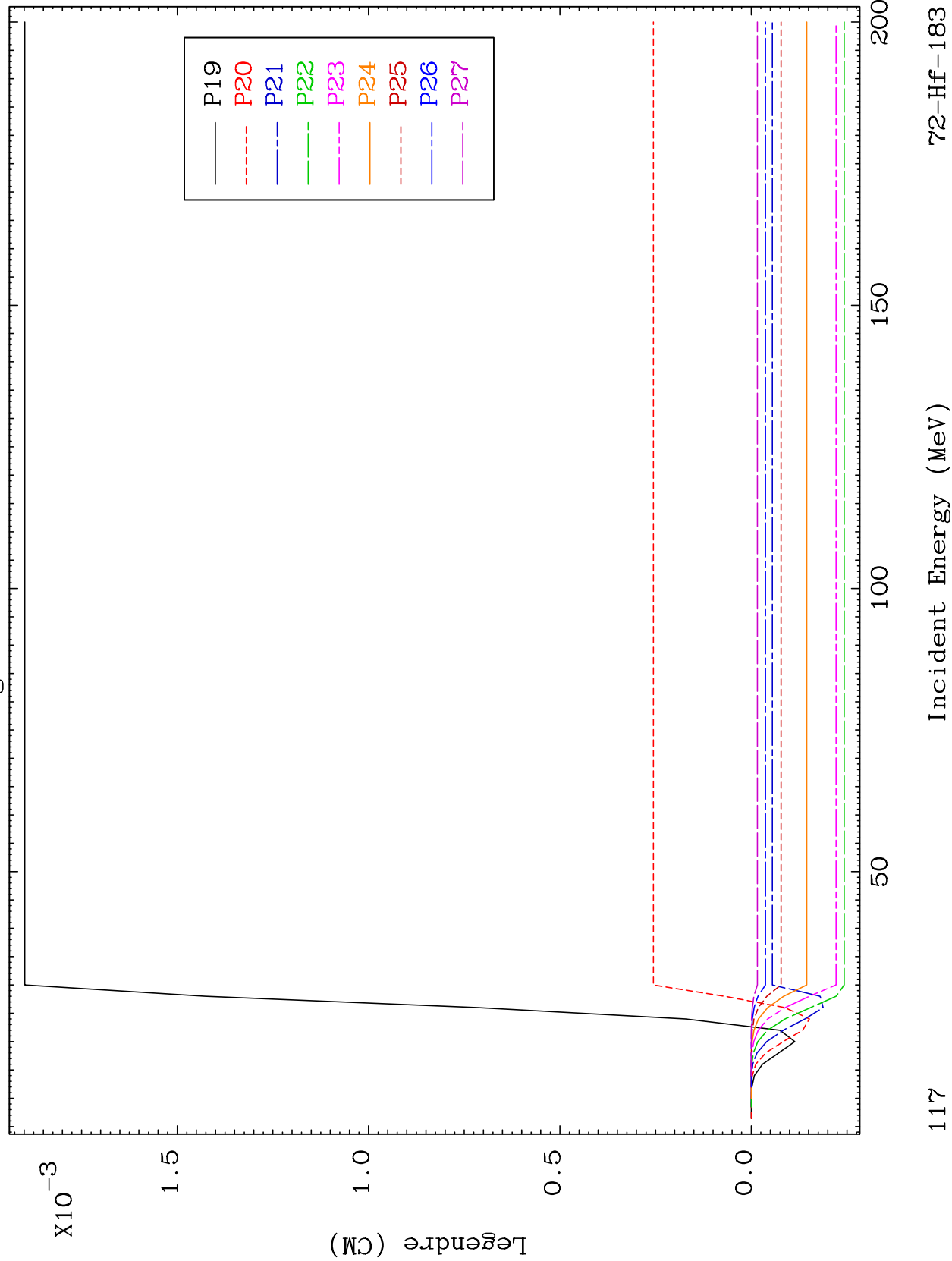
Incident Energy (MeV)

72-Hf-183

MAT 7252

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

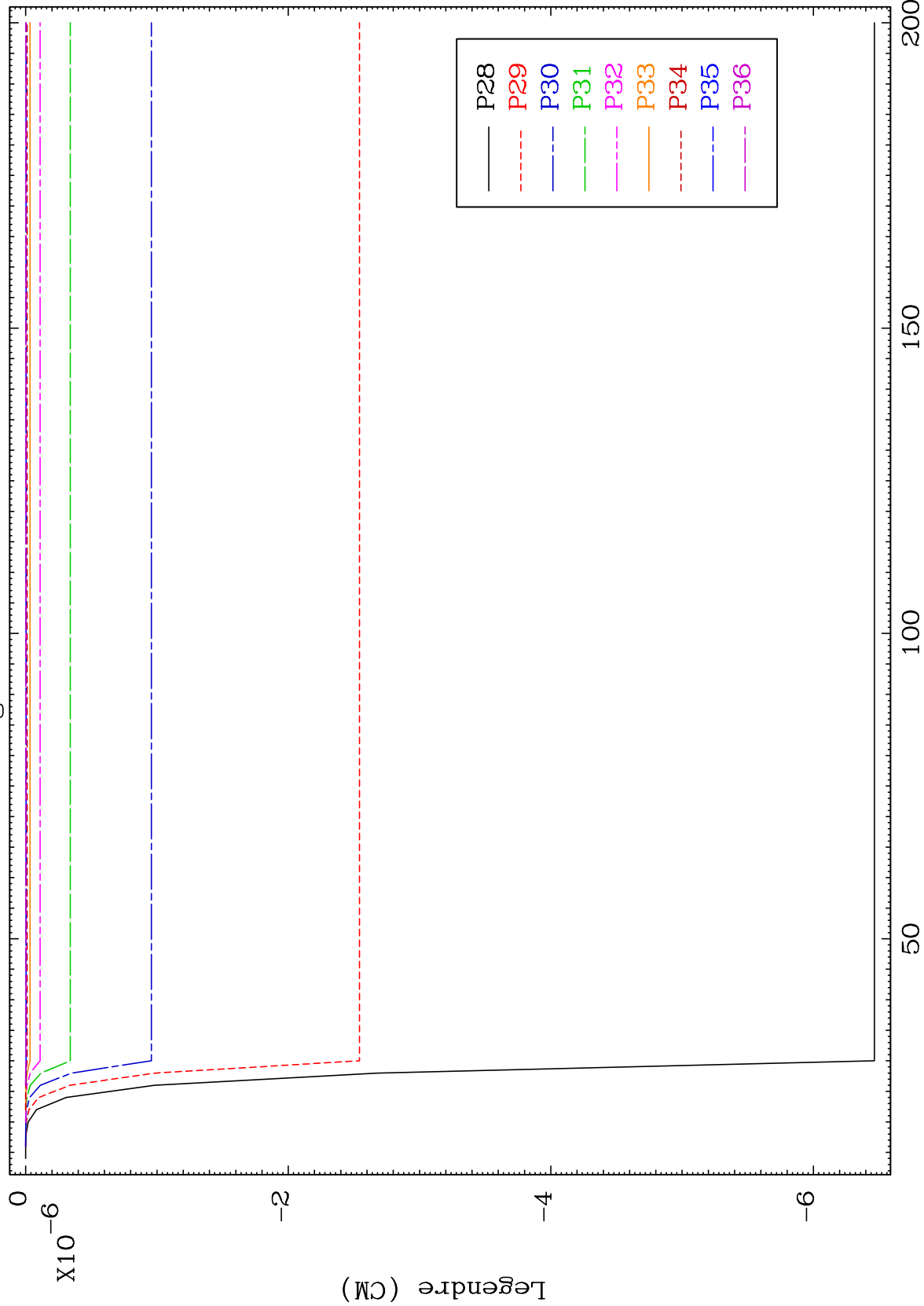
72-Hf-183



MAT 7252

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

72-Hf-183



72-Hf-183

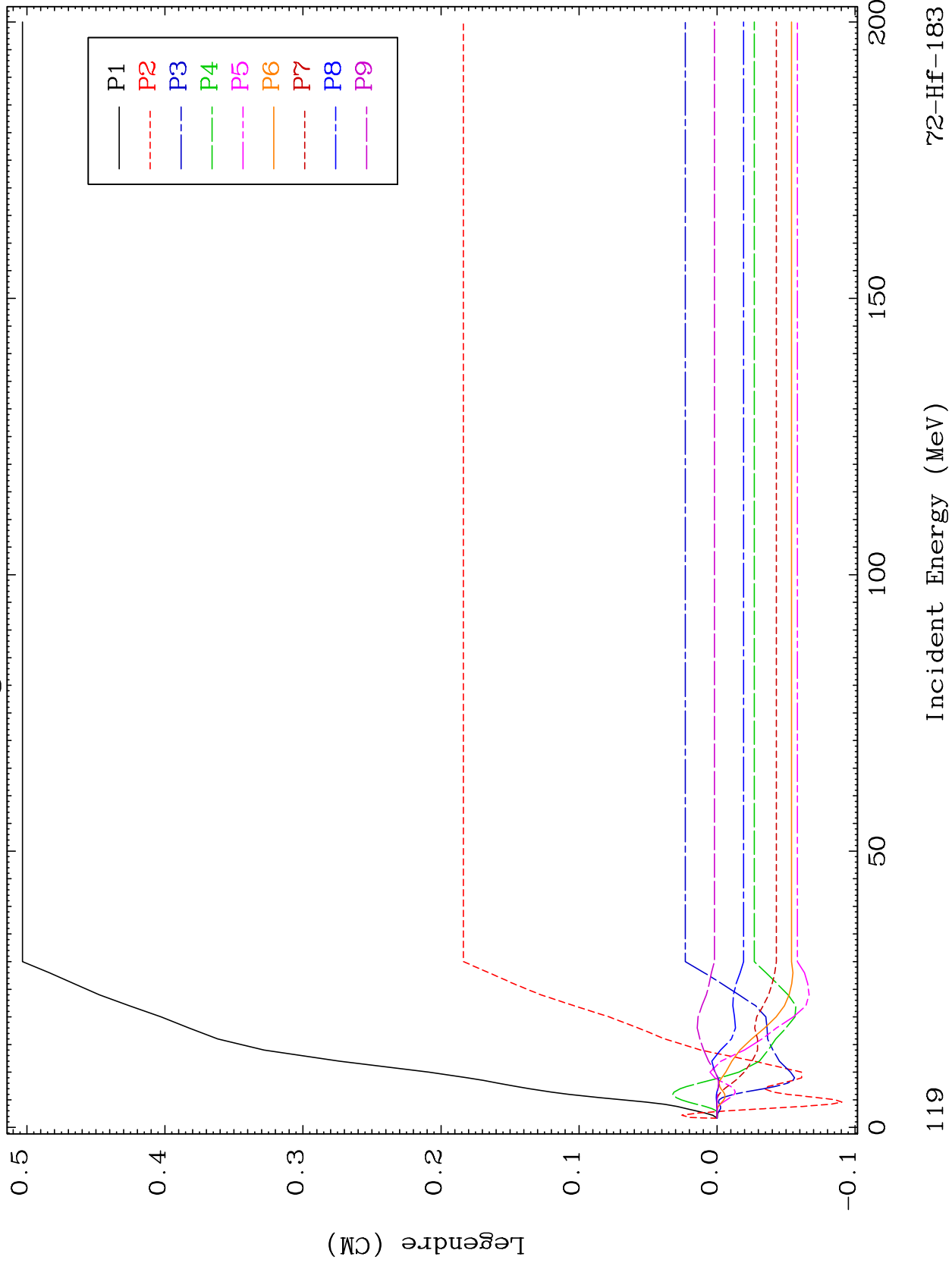
Incident Energy (MeV)

118

MAT 7252

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

72-Hf-183



72-Hf-183

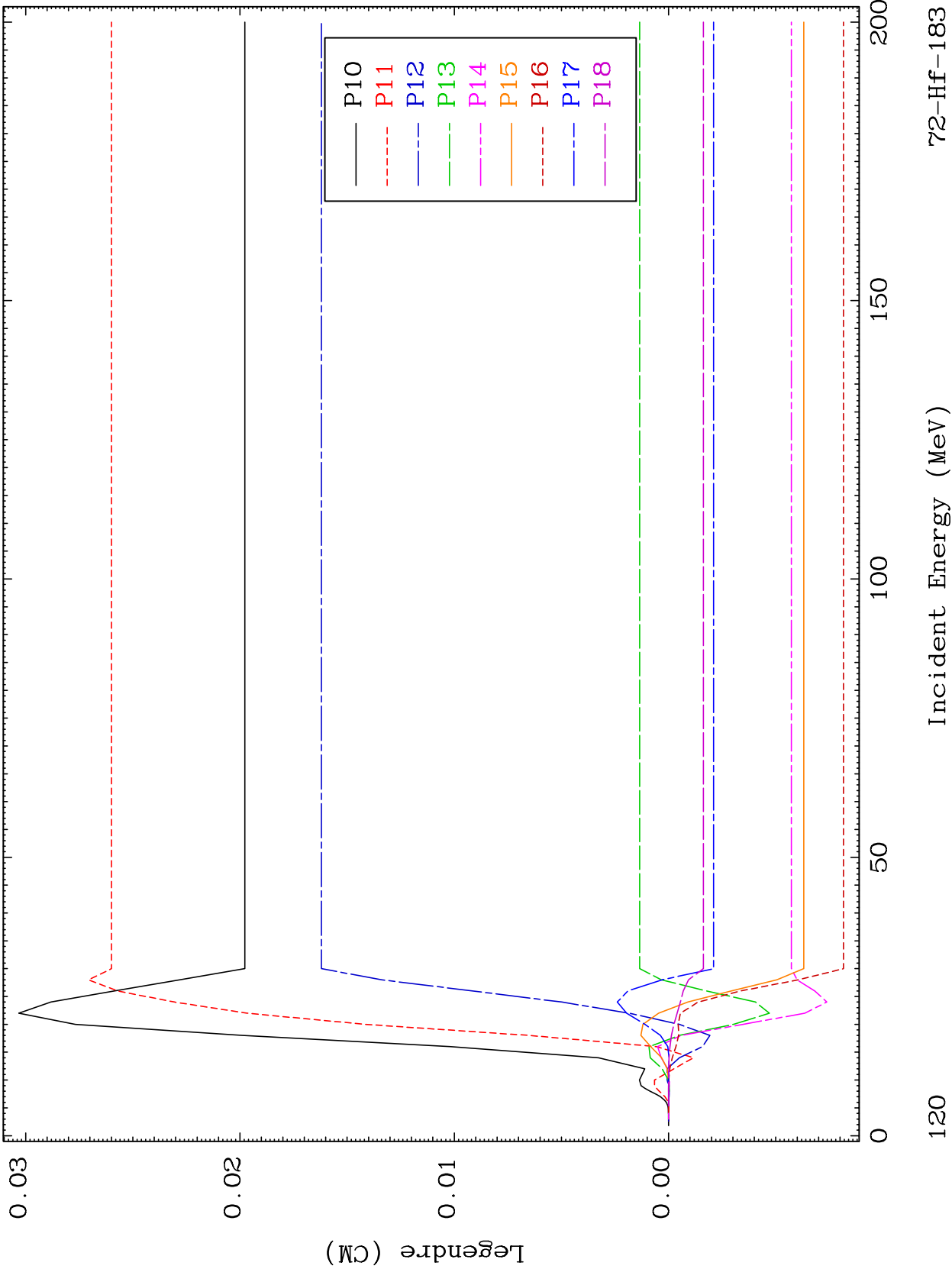
Incident Energy (MeV)

119

MAT 7252

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

72-Hf-183



72-Hf-183

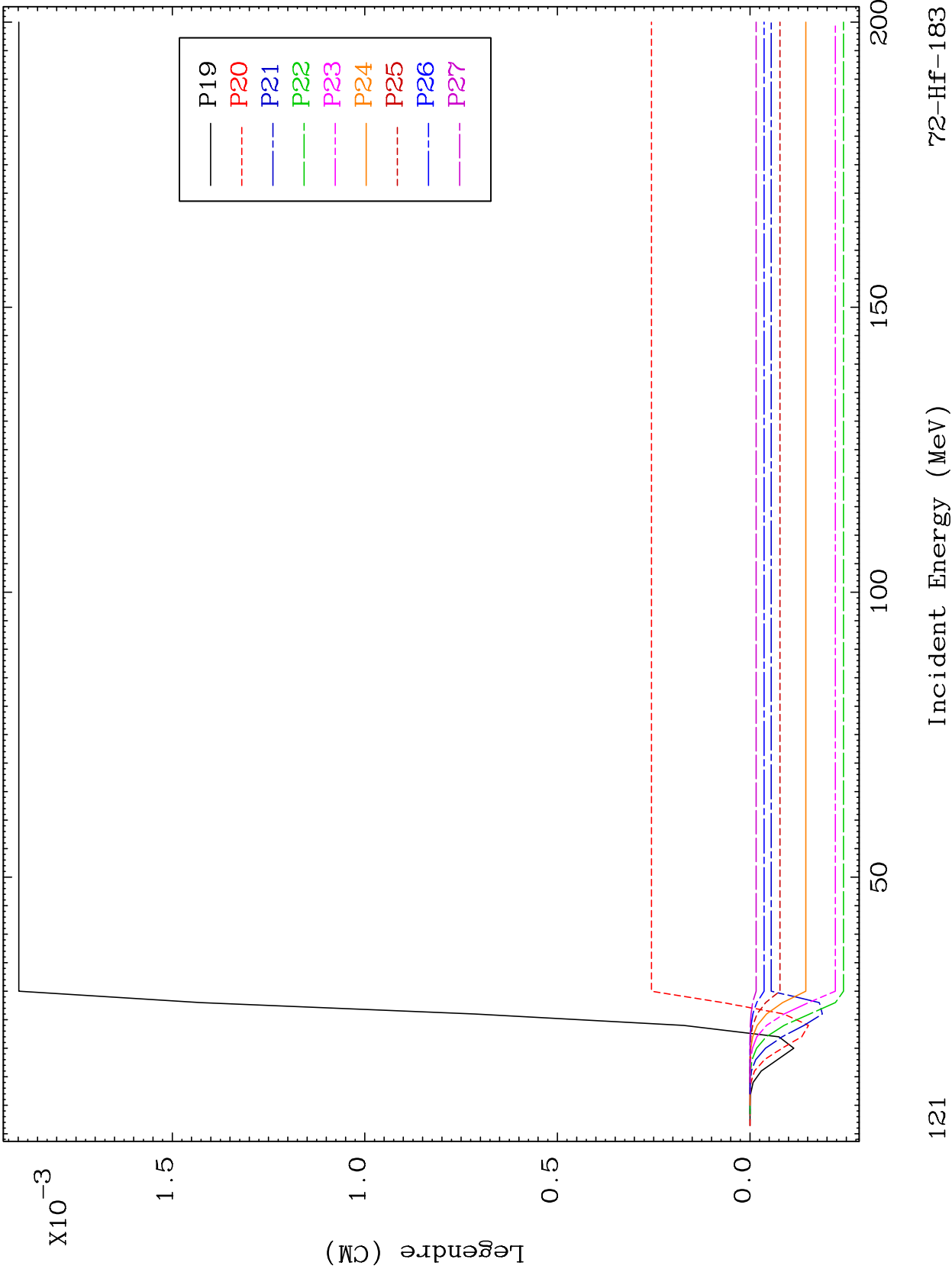
Incident Energy (MeV)

120

MAT 7252

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

72-Hf-183



121

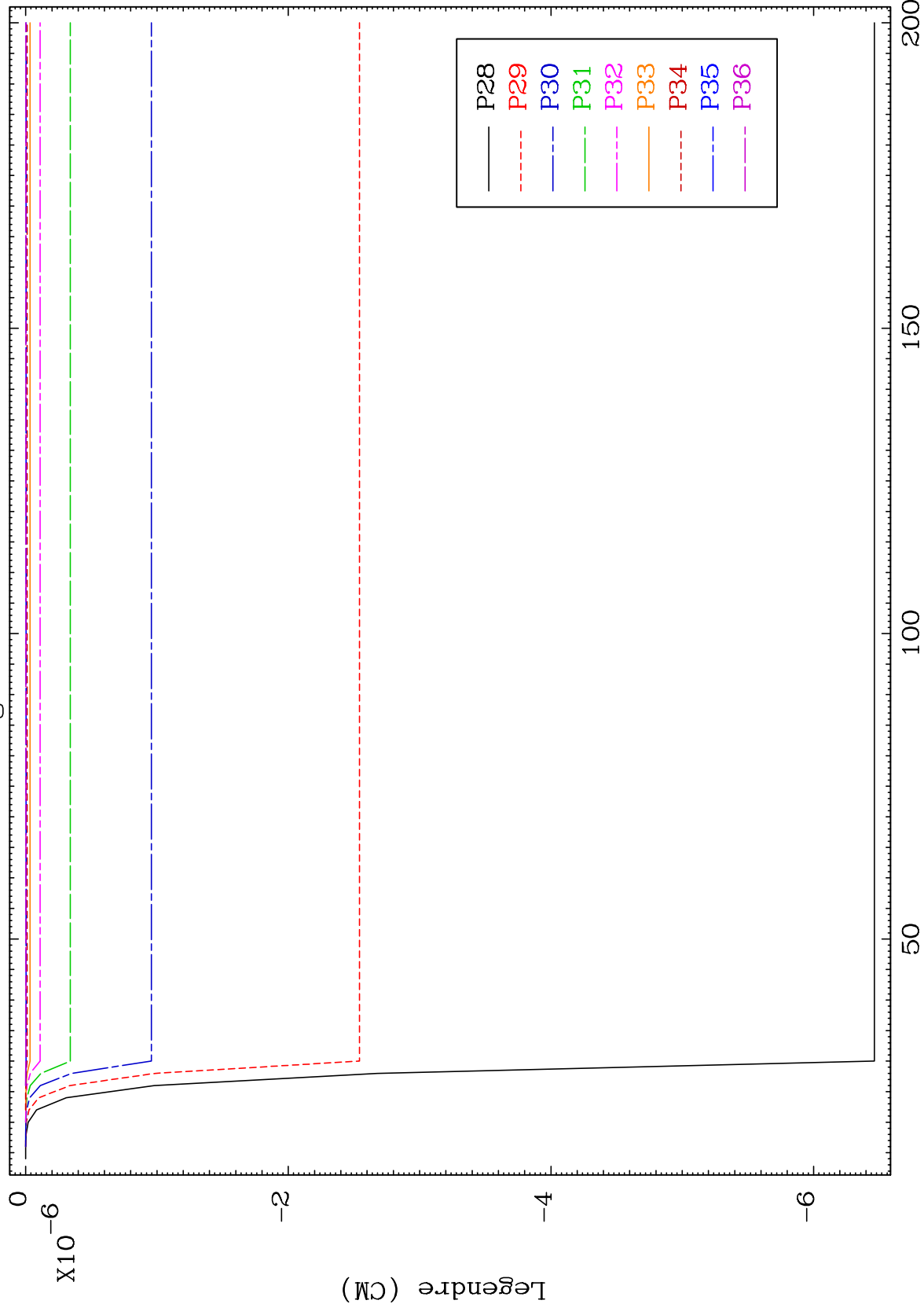
Incident Energy (MeV)

72-Hf-183

MAT 7252

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

72-Hf-183



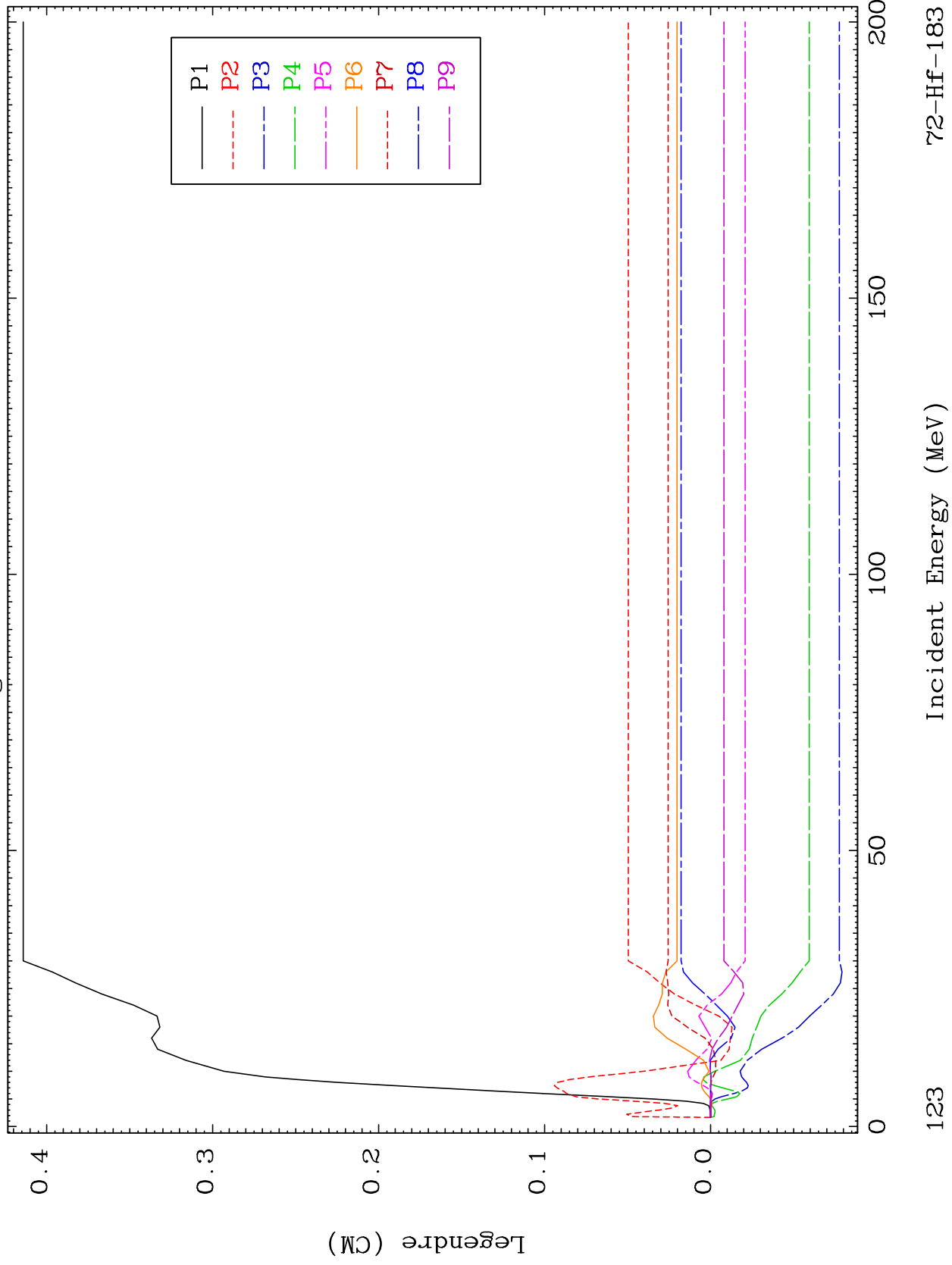
122

72-Hf-183

MAT 7252

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

72-Hf-183



72-Hf-183

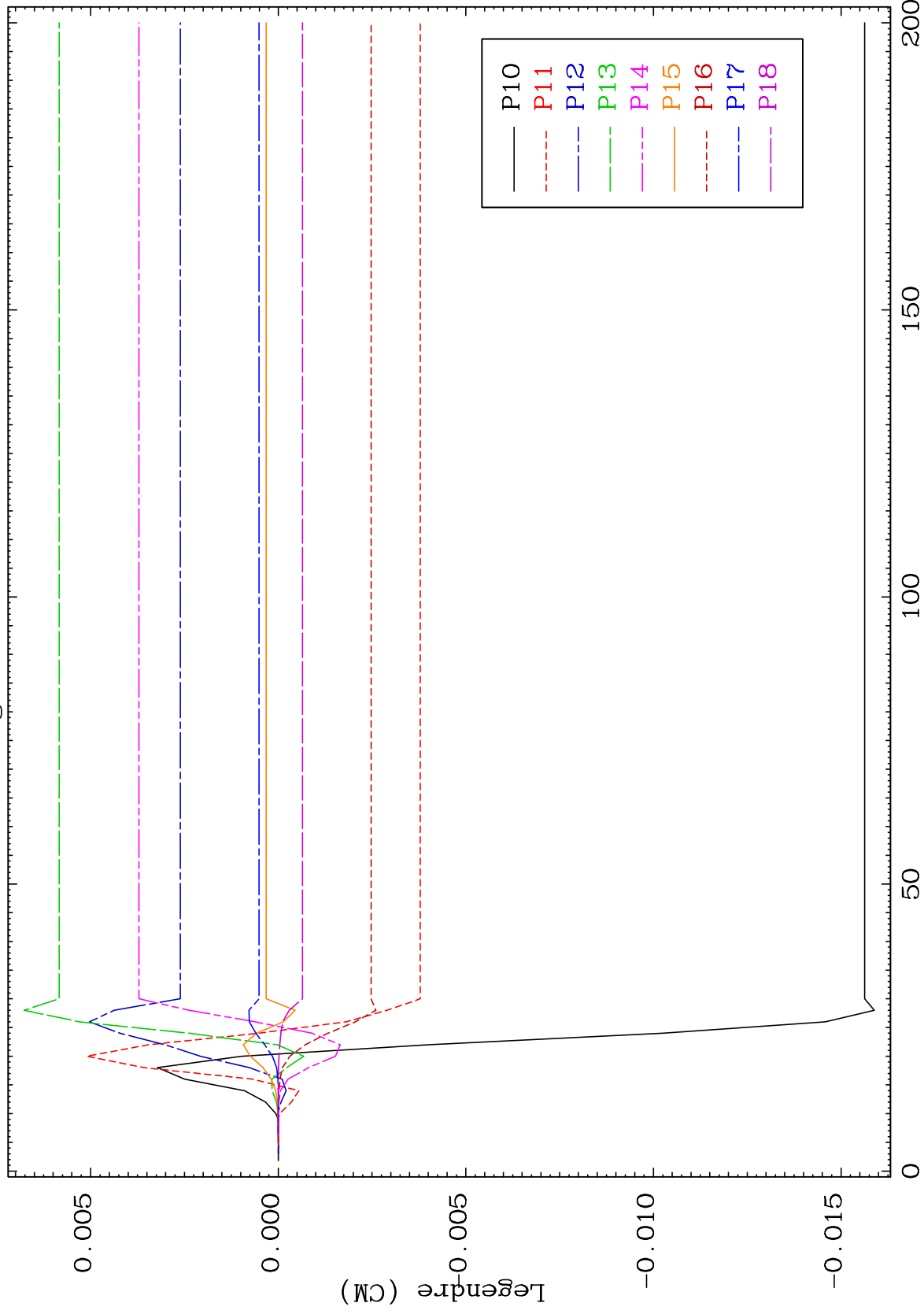
Incident Energy (MeV)

123

MAT 7252

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

72-Hf-183



124

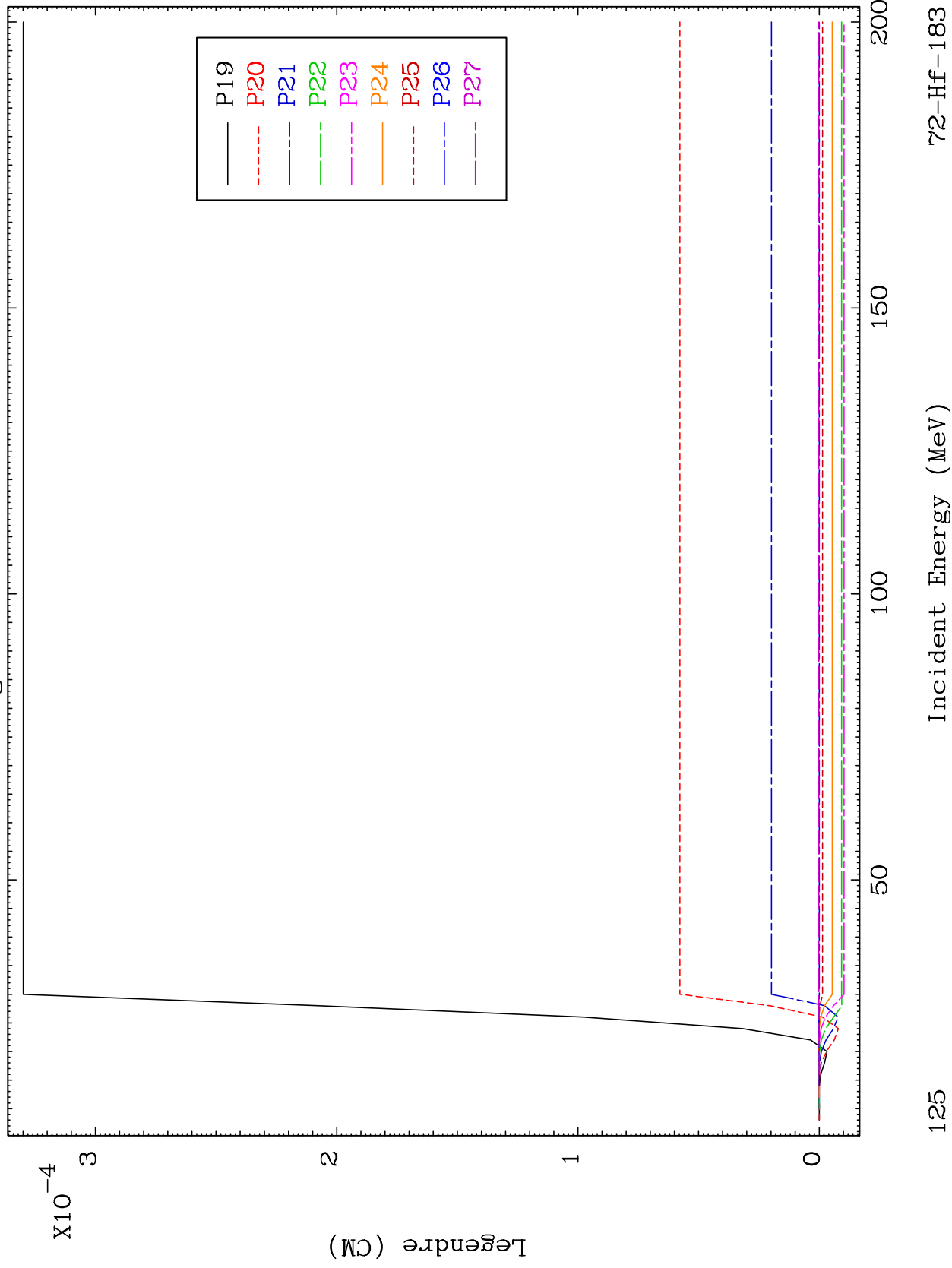
Incident Energy (MeV)

72-Hf-183

MAT 7252

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

72-Hf-183



72-Hf-183

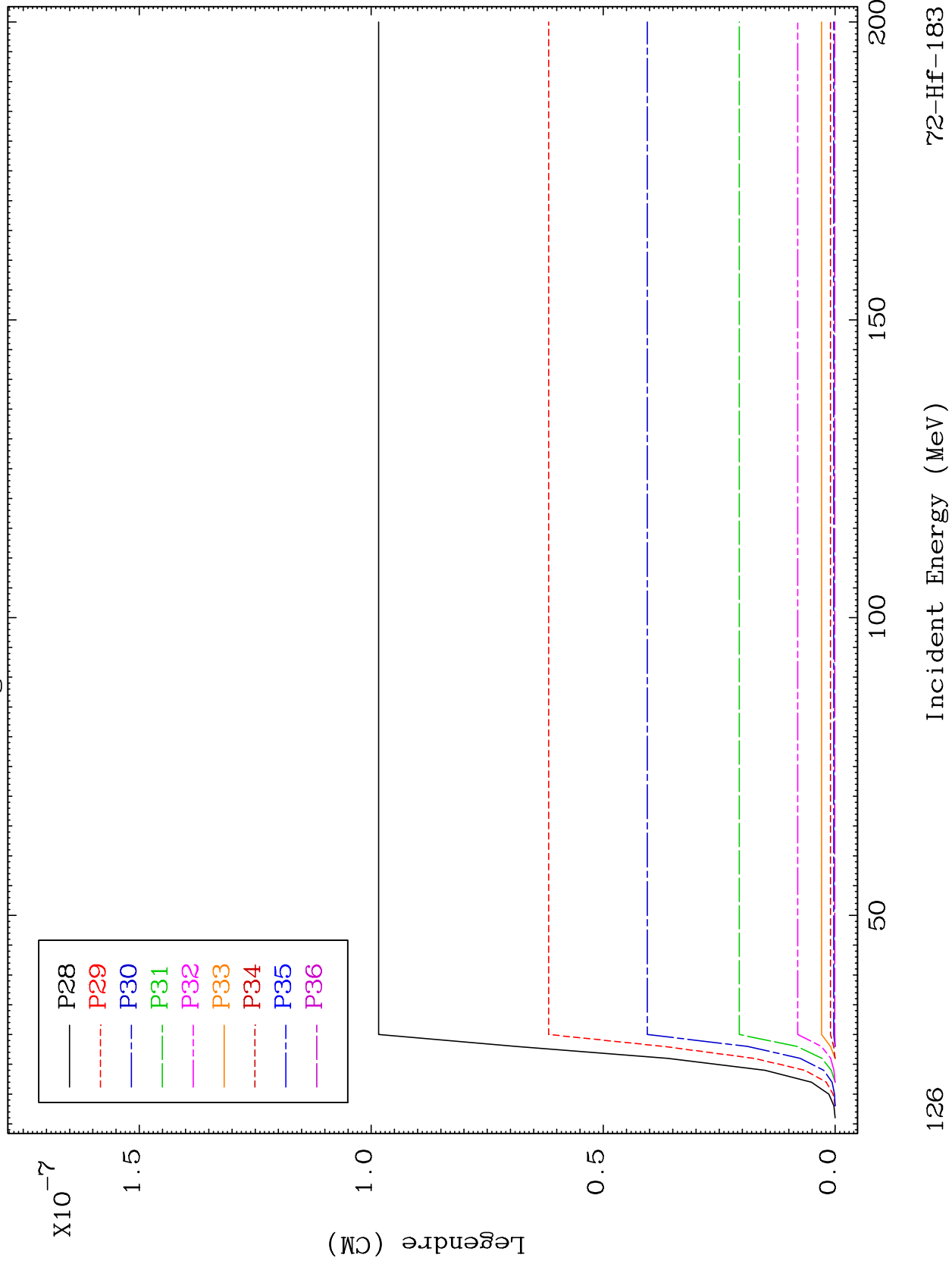
Incident Energy (MeV)

125

MAT 7252

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

72-Hf-183



126

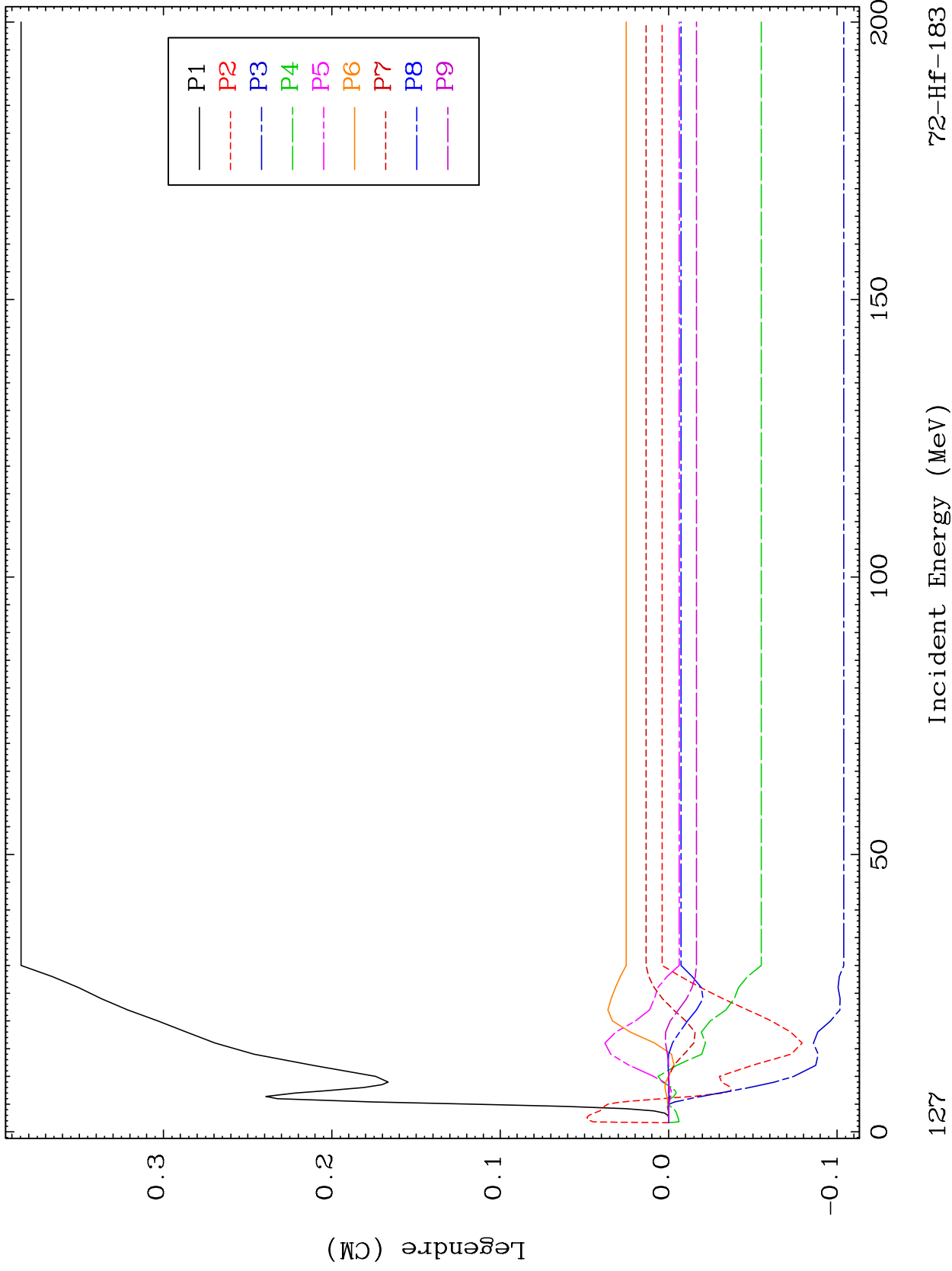
Incident Energy (MeV)

72-Hf-183

MAT 7252

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

72-Hf-183



127

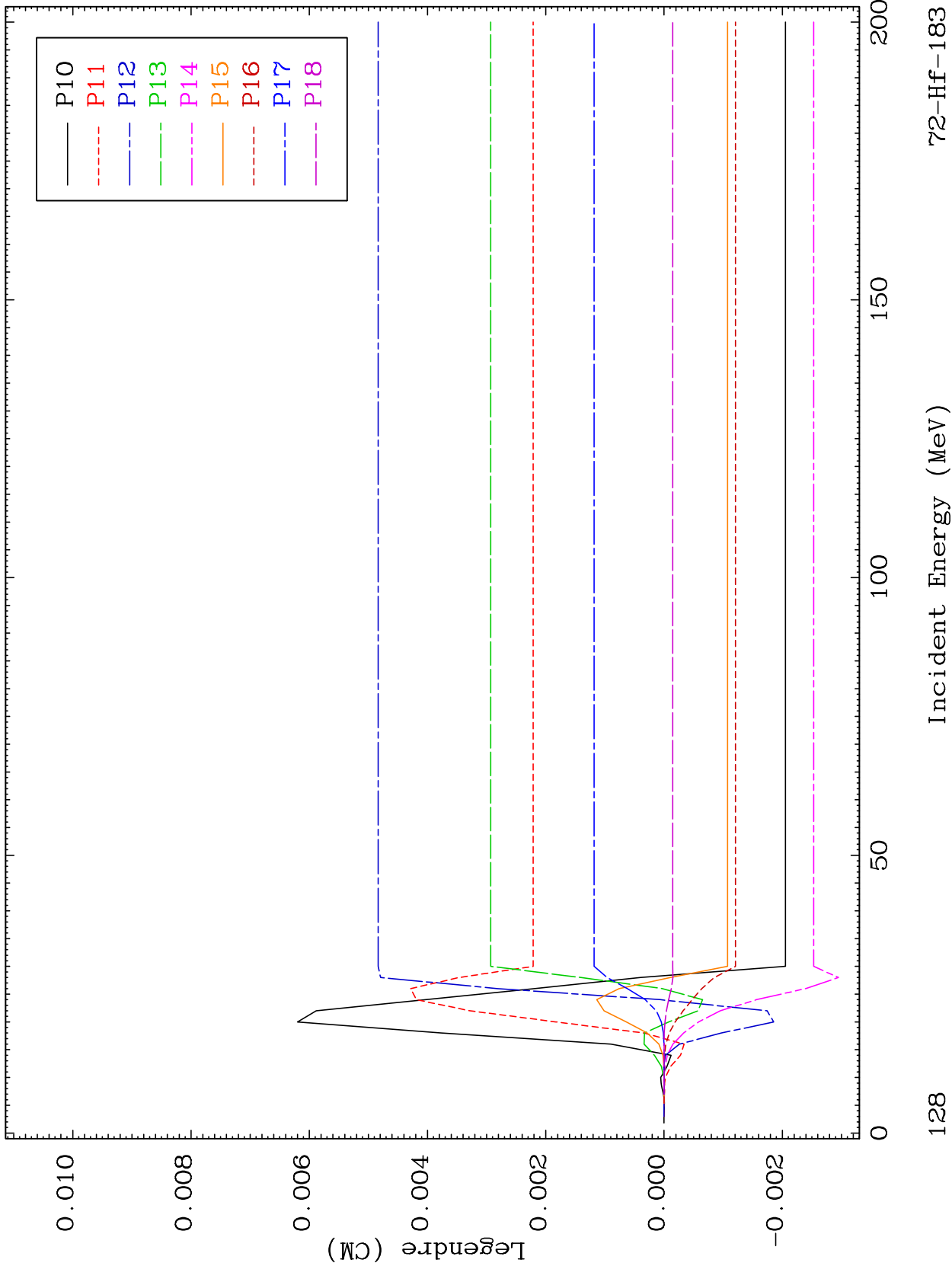
Incident Energy (MeV)

72-Hf-183

MAT 7252

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

72-Hf-183



128

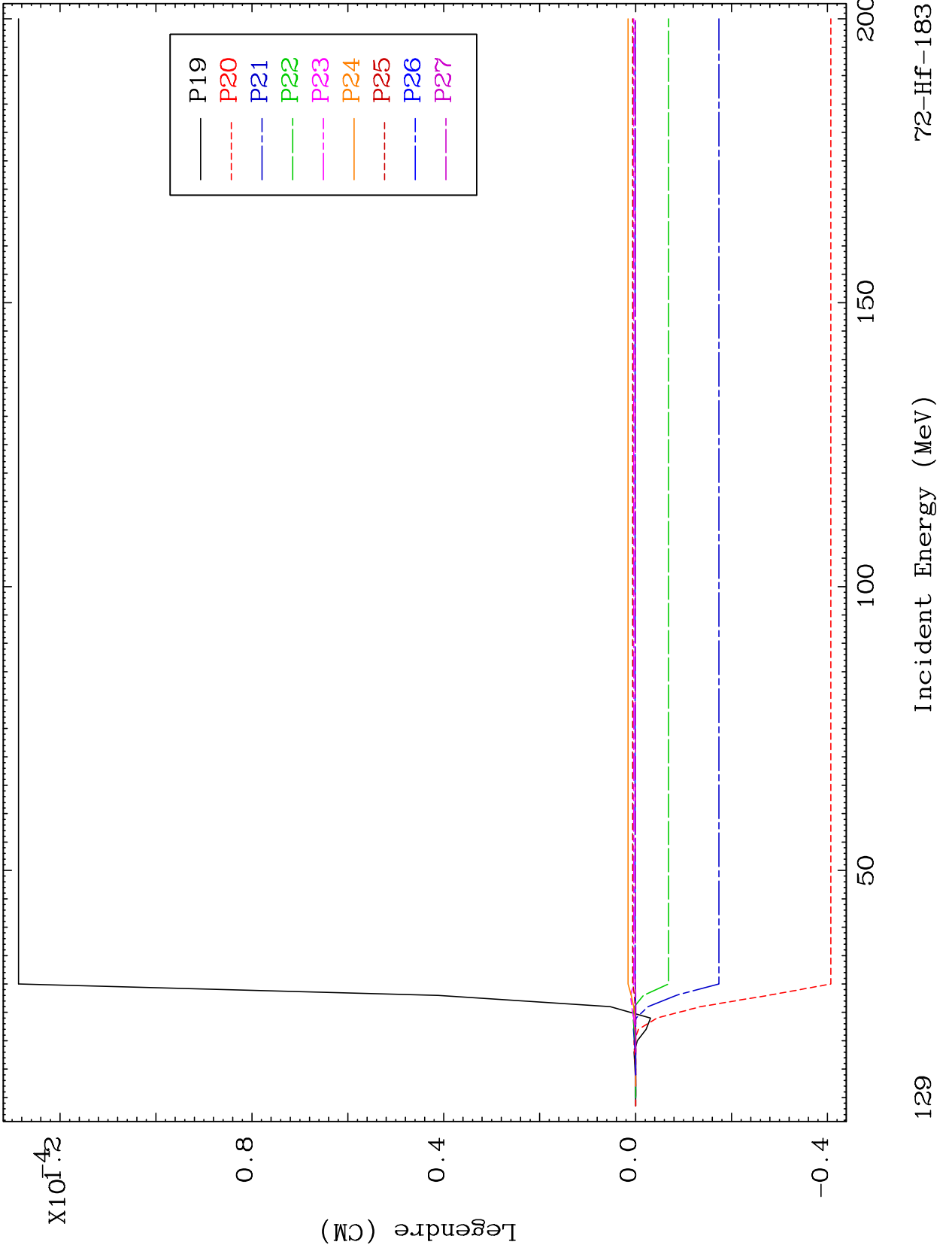
Incident Energy (MeV)

72-Hf-183

MAT 7252

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

72-Hf-183



129

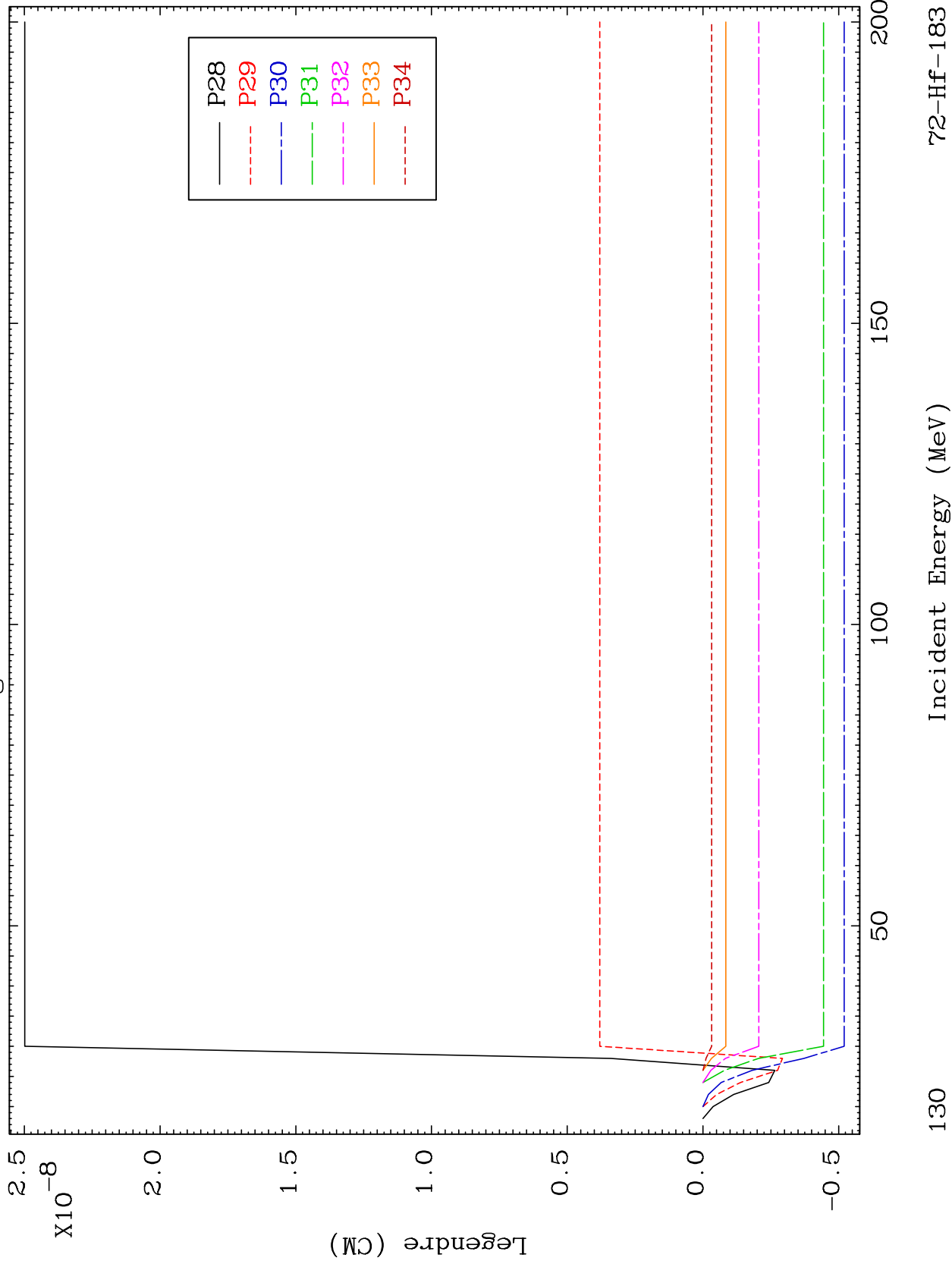
Incident Energy (MeV)

72-Hf-183

MAT 7252

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

72-Hf-183



130

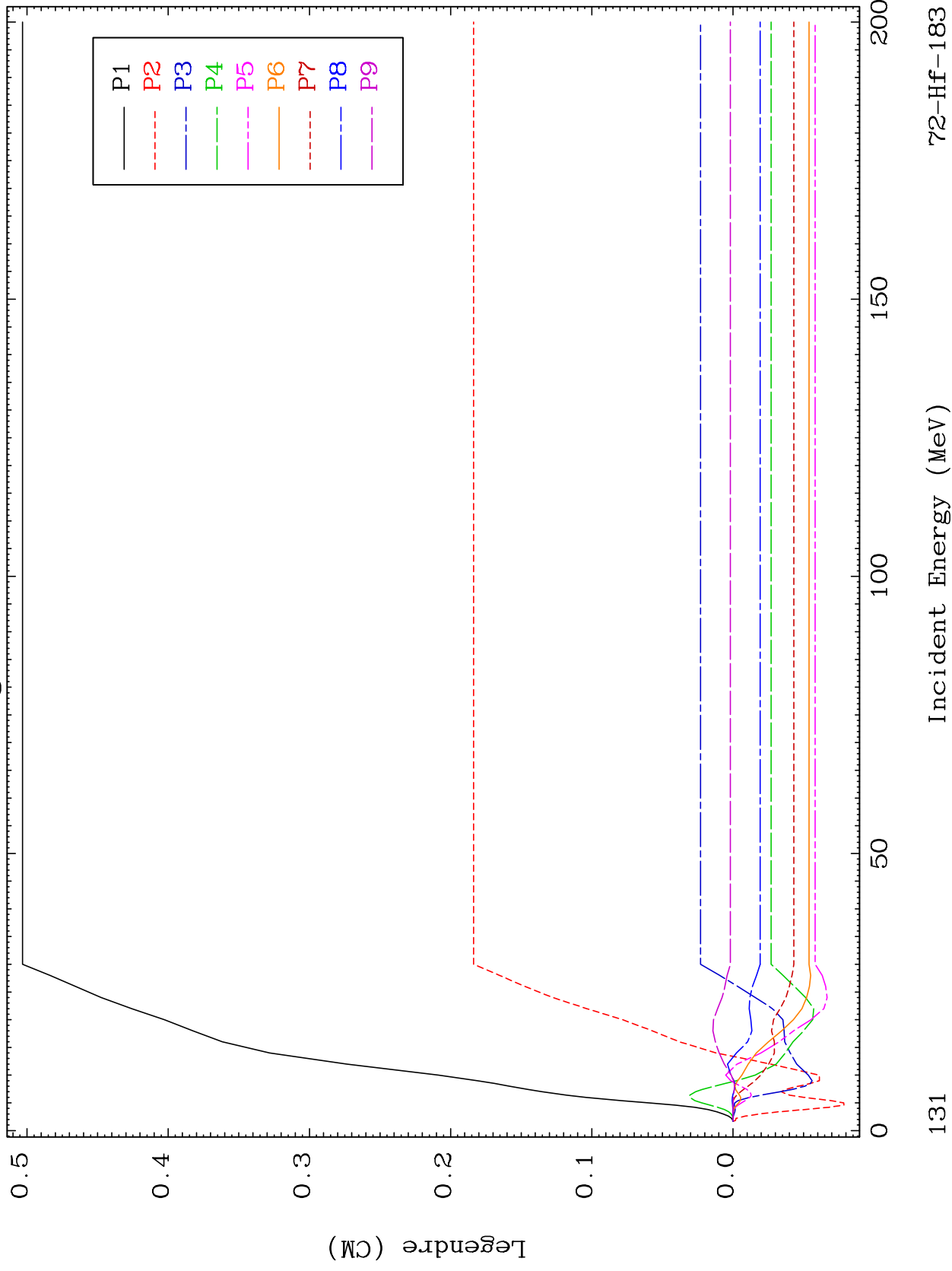
Incident Energy (MeV)

72-Hf-183

MAT 7252

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

72-Hf-183



72-Hf-183

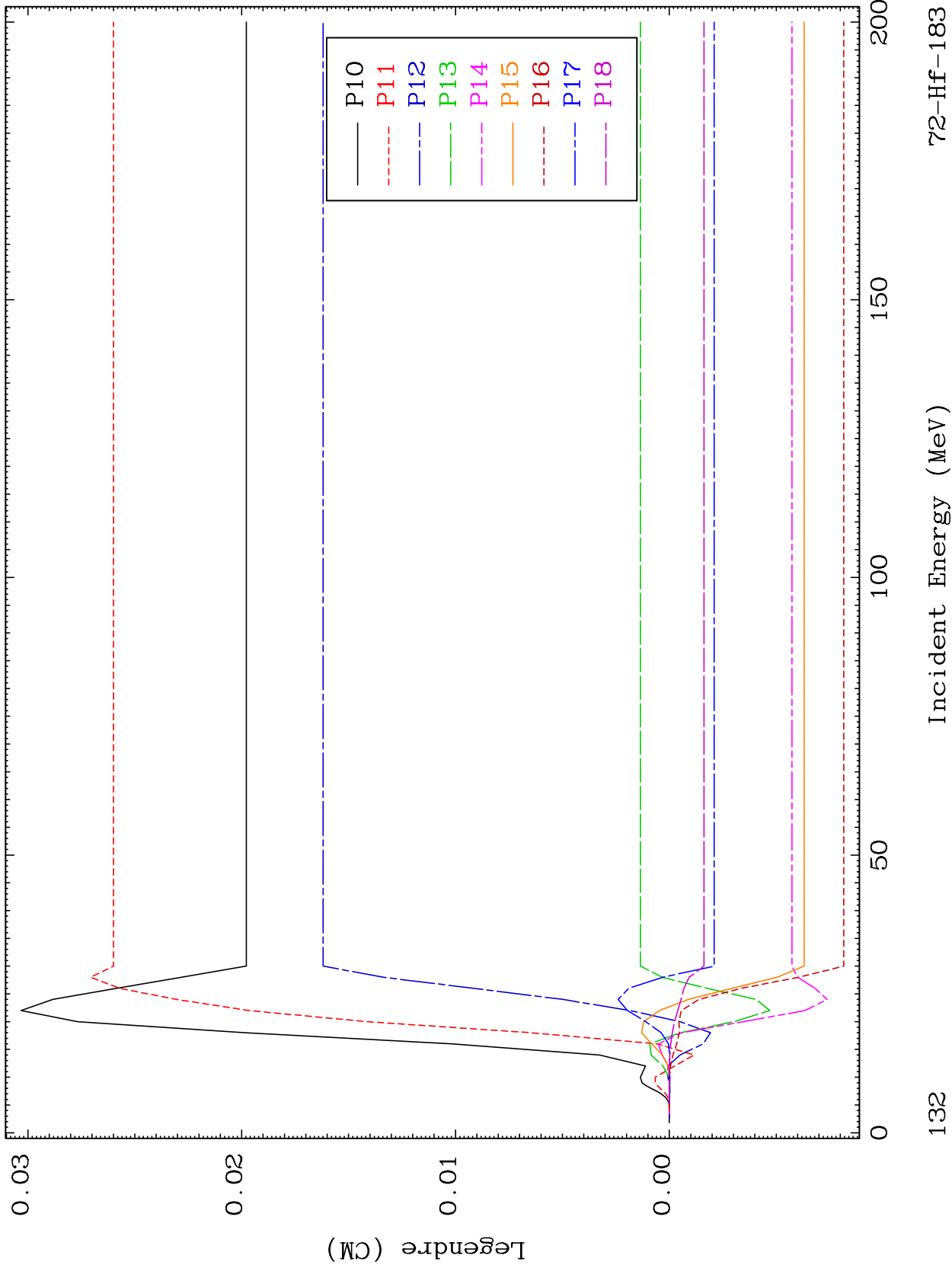
Incident Energy (MeV)

131

MAT 7252

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

72-Hf-183



72-Hf-183

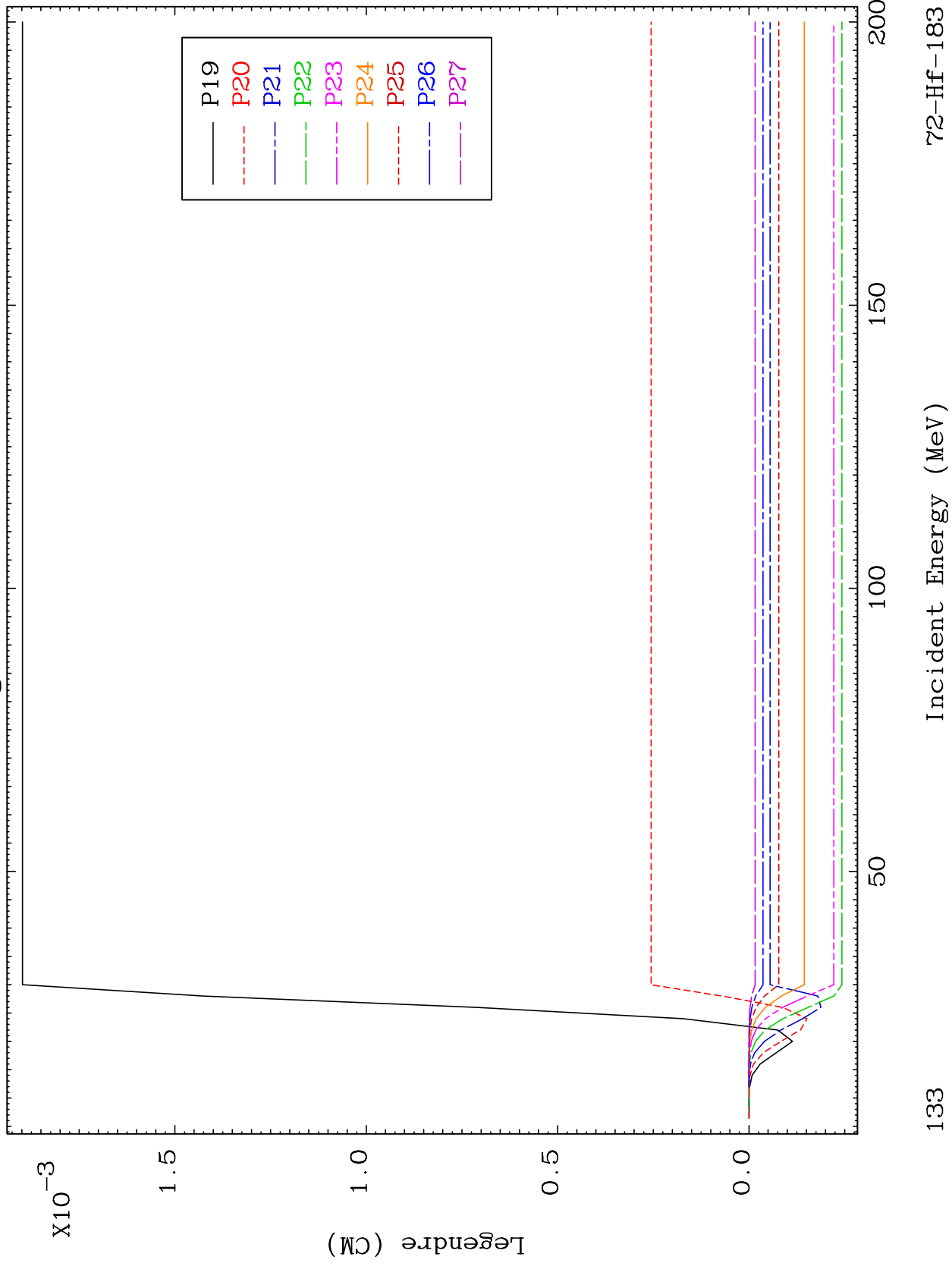
Incident Energy (MeV)

132

MAT 7252

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

72-Hf-183

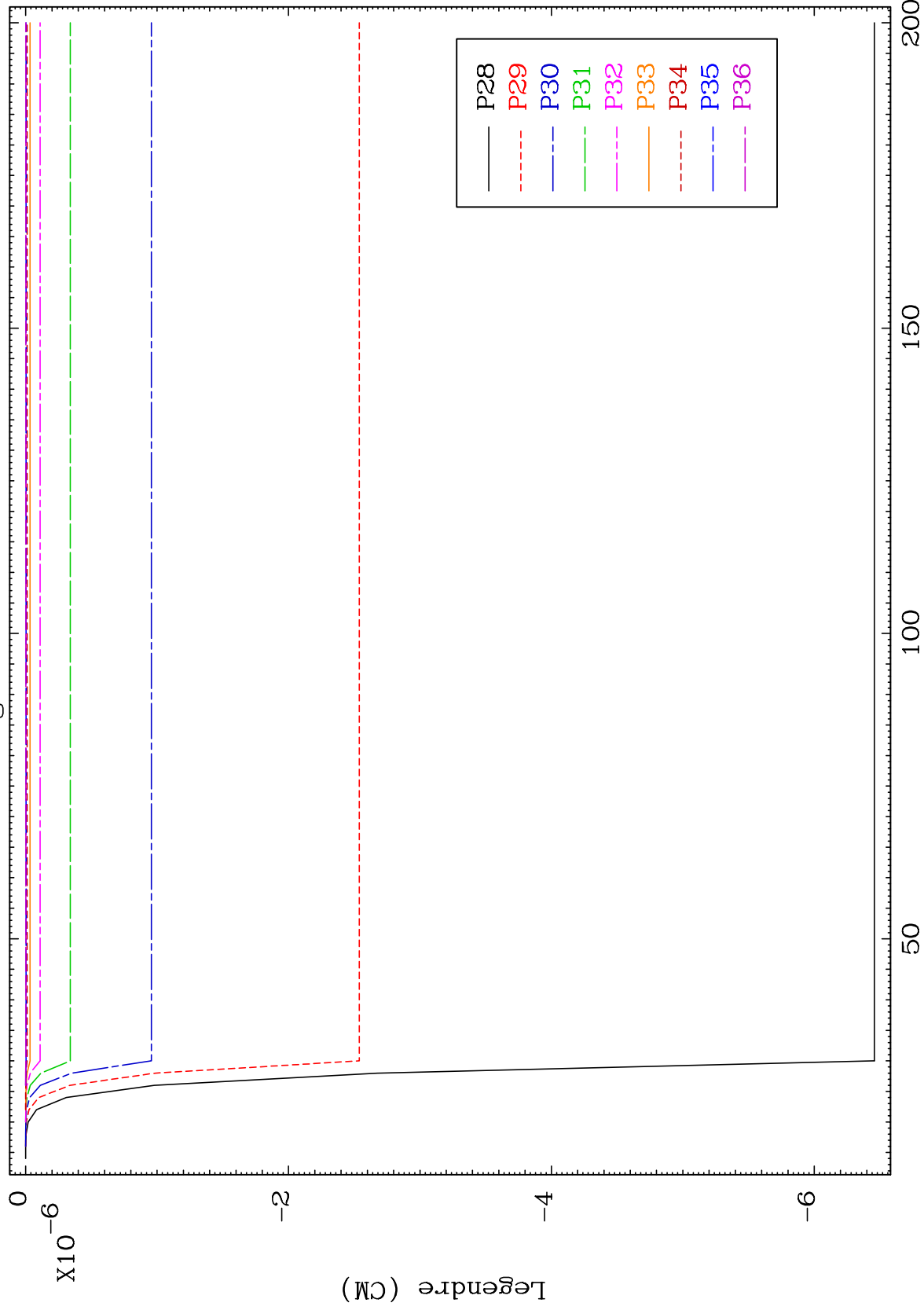


133

MAT 7252

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

72-Hf-183



134

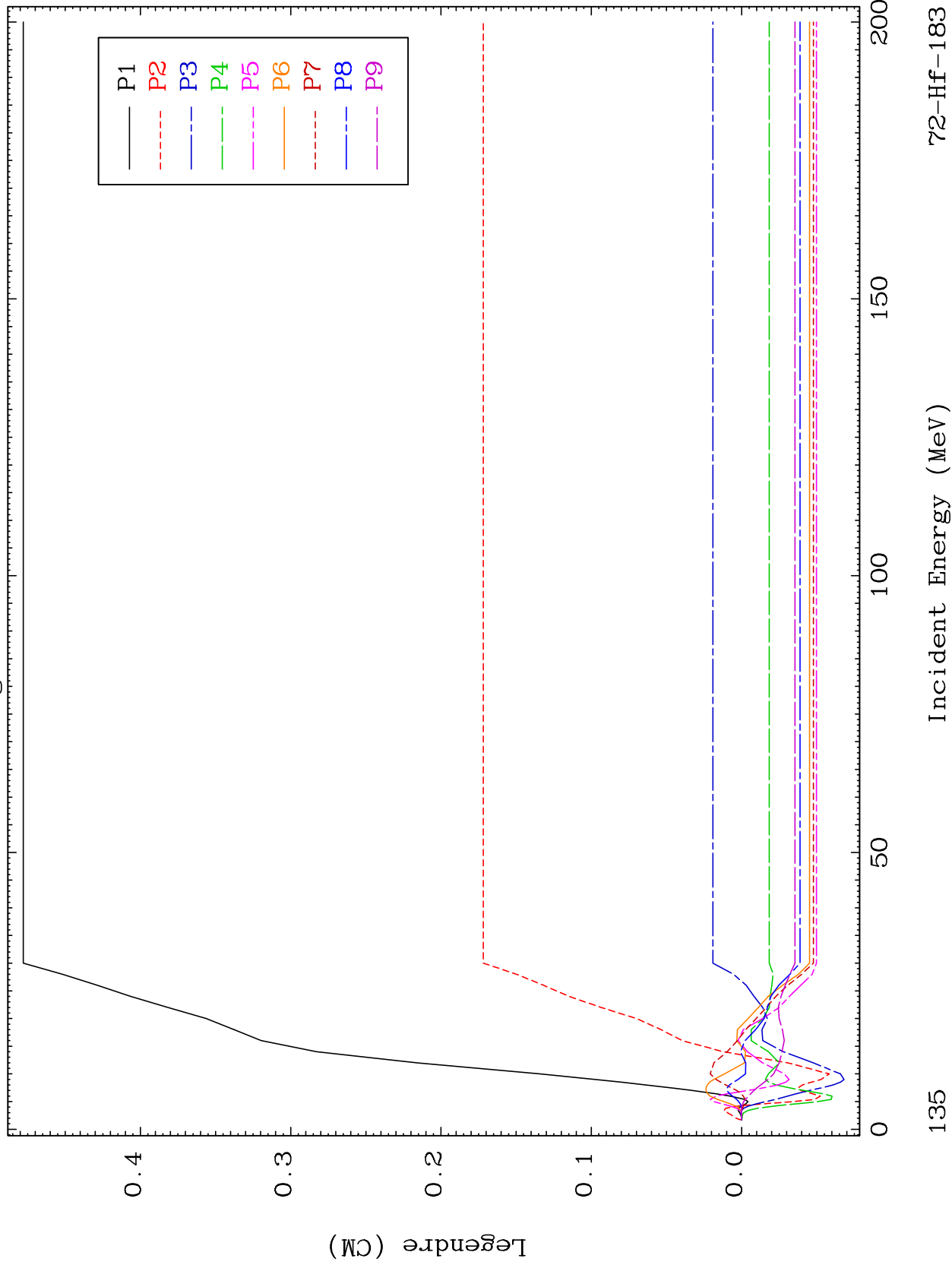
Incident Energy (MeV)

72-Hf-183

MAT 7252

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

72-Hf-183



72-Hf-183

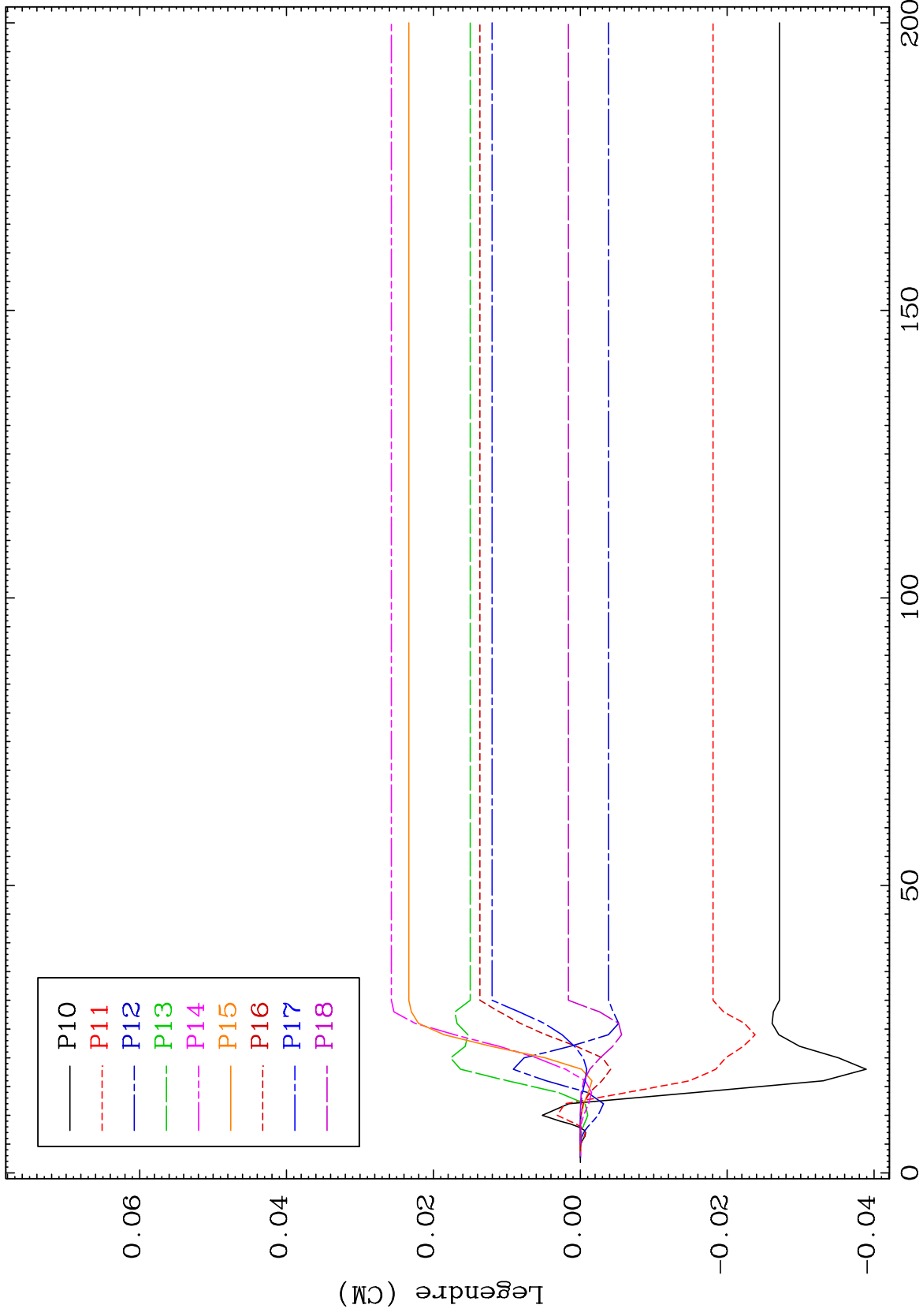
Incident Energy (MeV)

135

MAT 7252

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

72-Hf-183



136

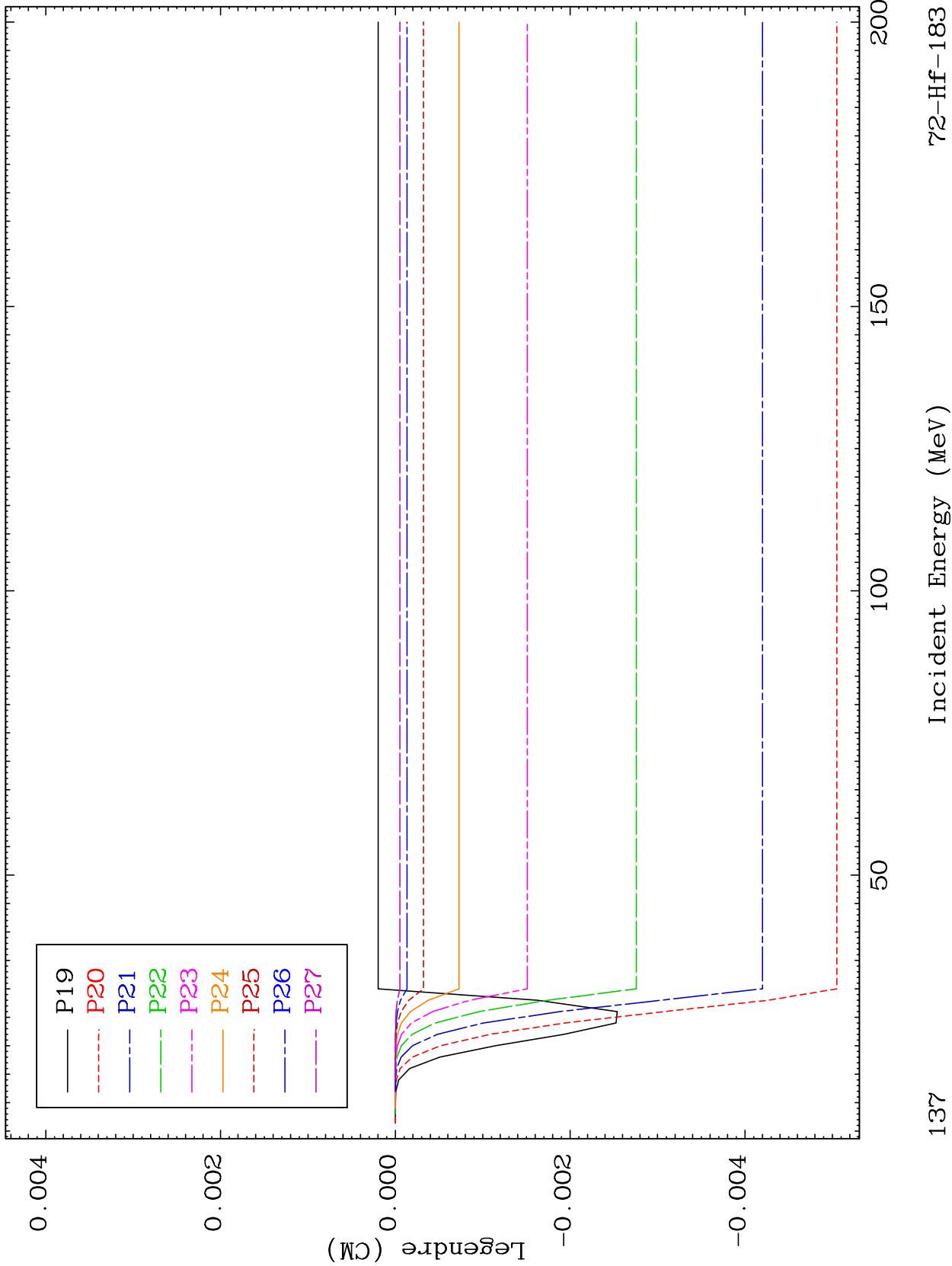
Incident Energy (MeV)

72-Hf-183

MAT 7252

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

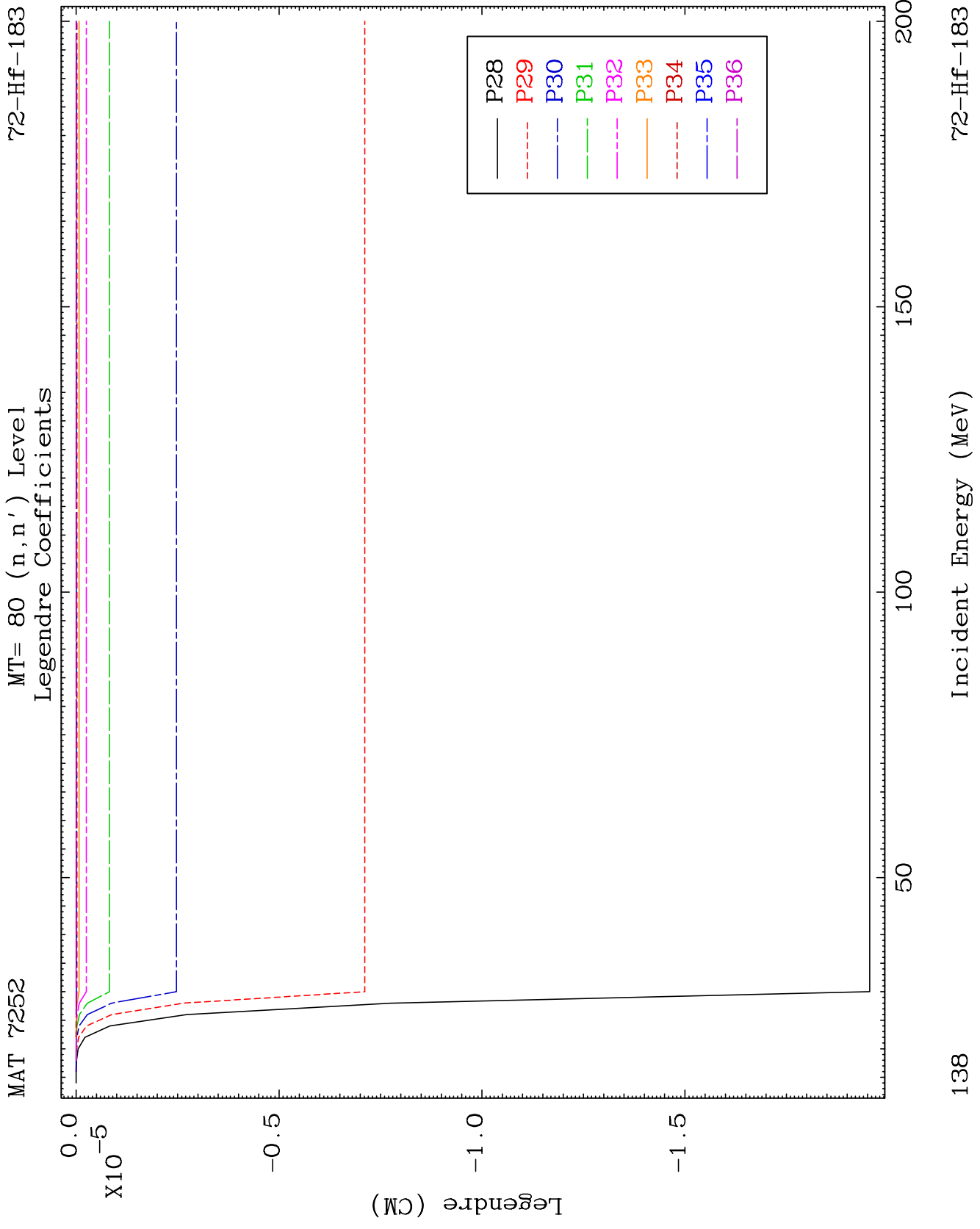
72-Hf-183



137

Incident Energy (MeV)

72-Hf-183

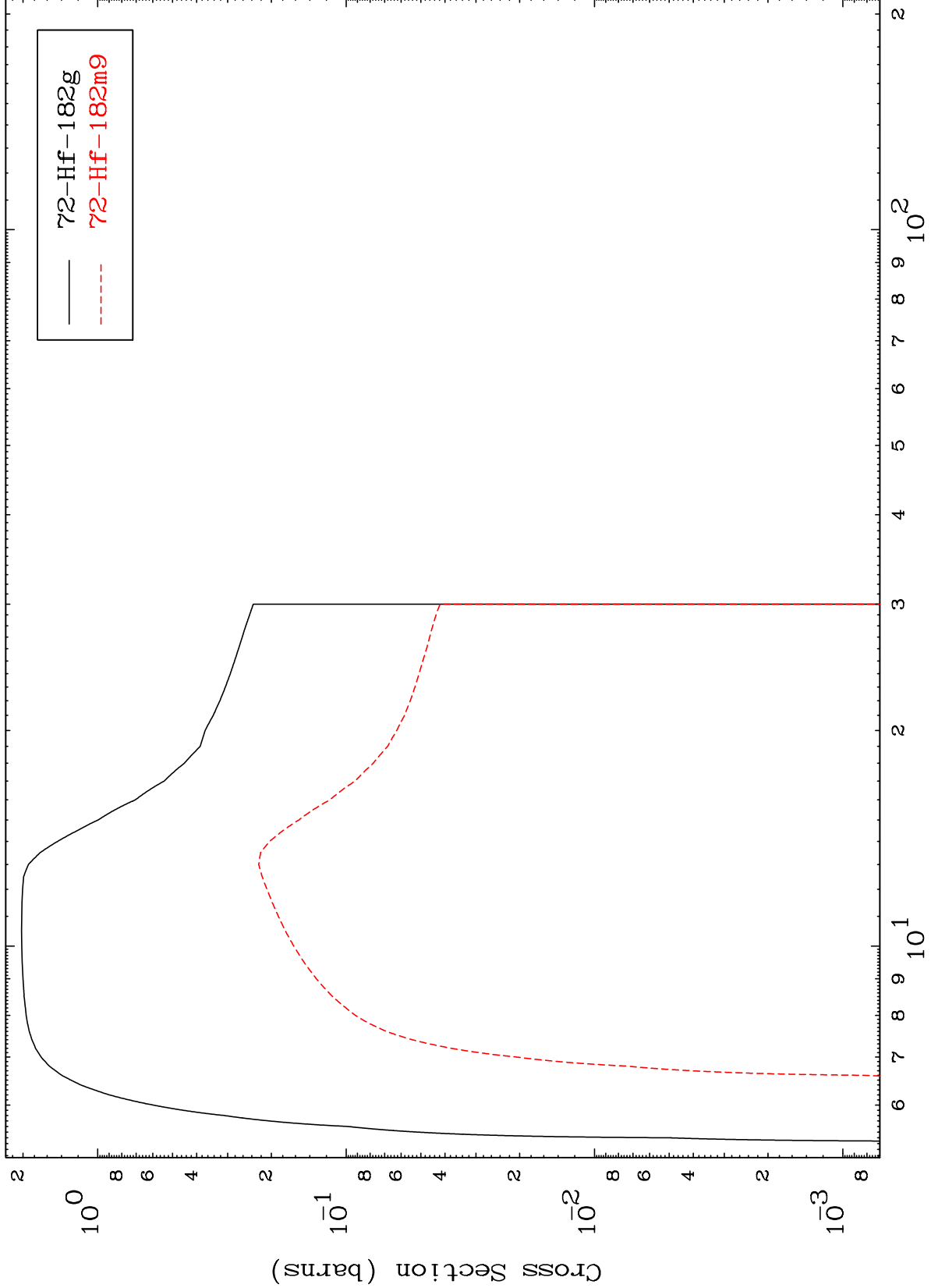


MAT 7252

(n,2n)

72-Hf-183

Radionuclide Production Cross Section



72-Hf-182g
72-Hf-182m9

139

Incident Energy (MeV)

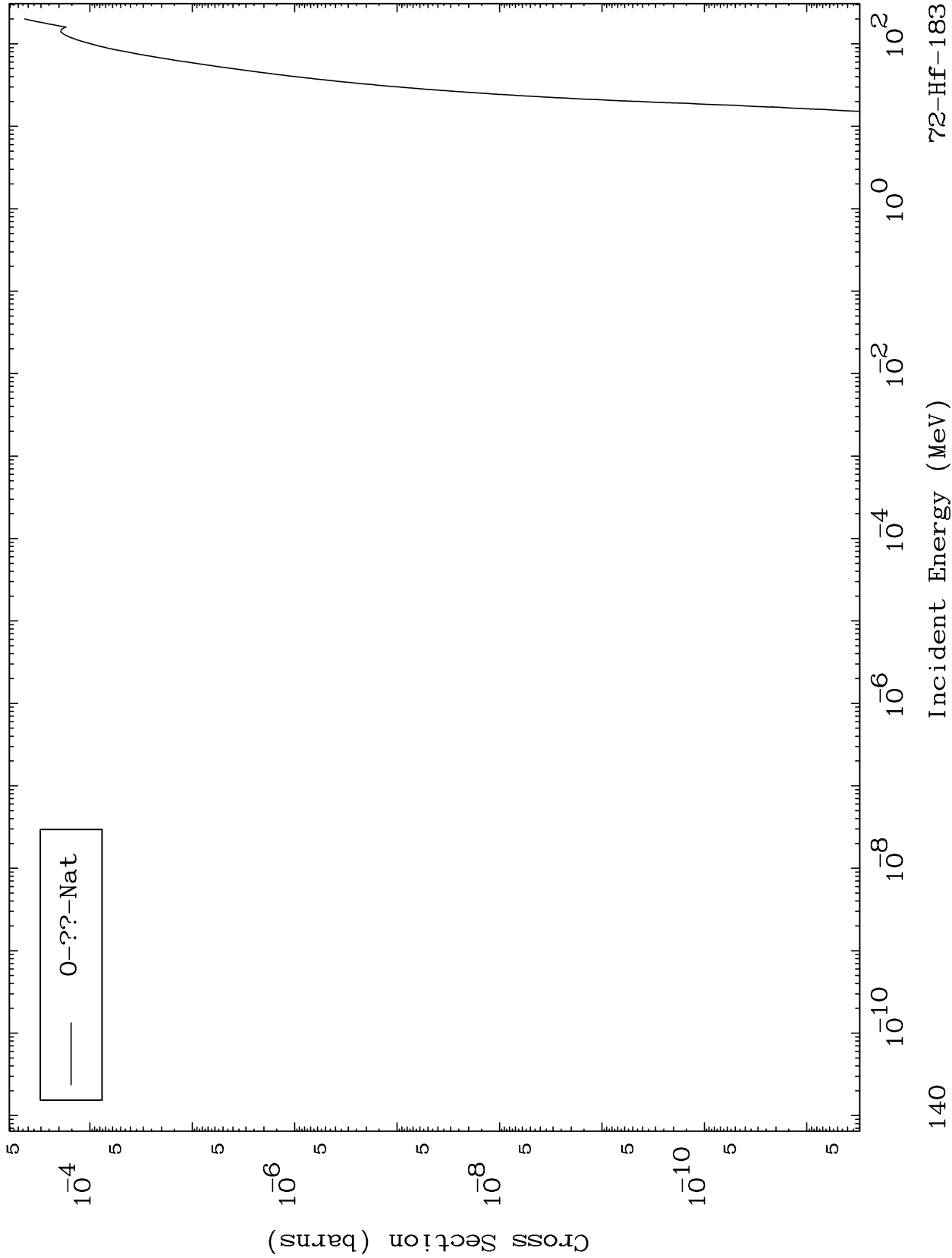
72-Hf-183

MAT 7252

Fission

72-Hf-183

Radionuclide Production Cross Section



140

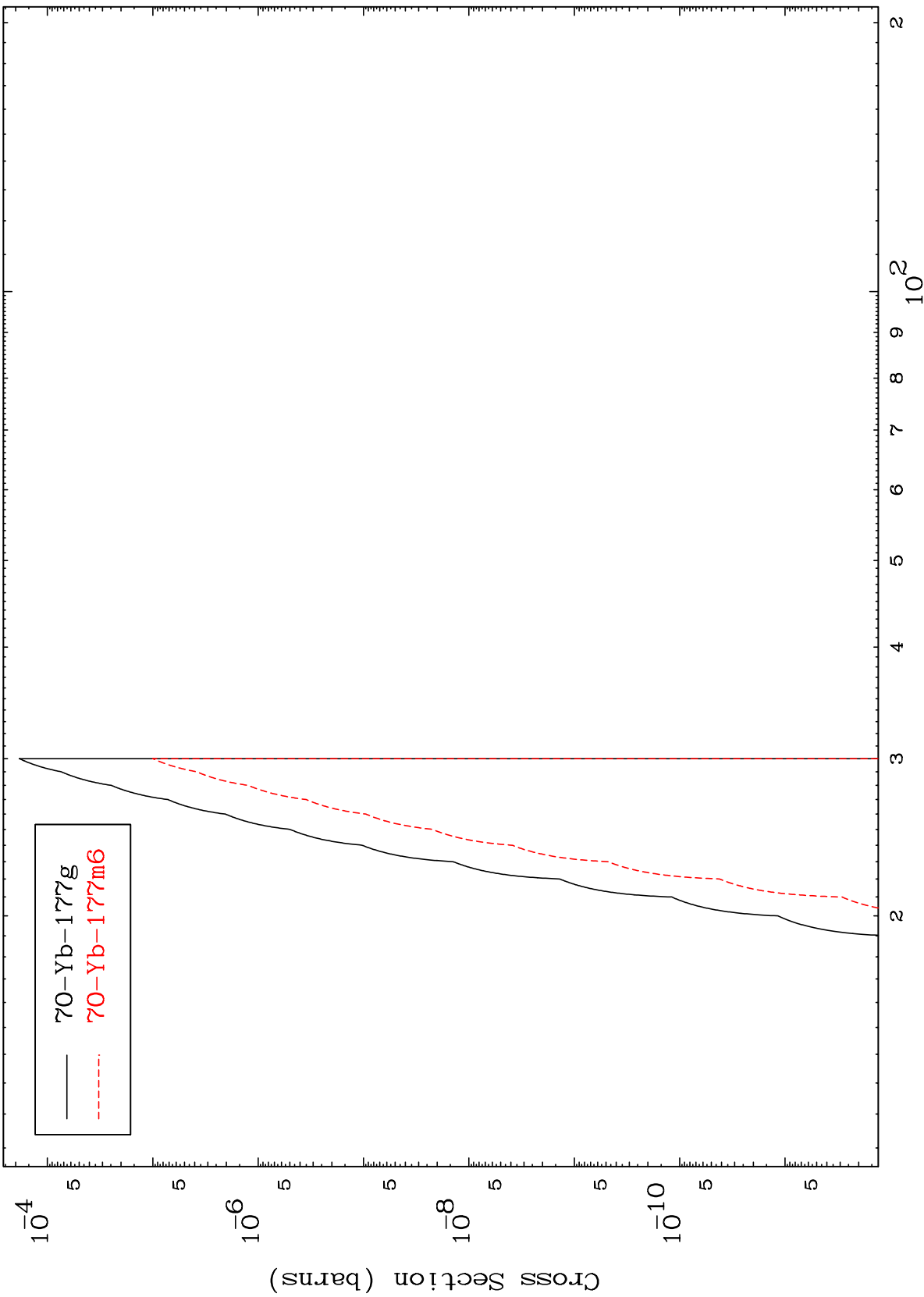
72-Hf-183

MAT 7252

(n,3n) α

72-Hf-183

Radionuclide Production Cross Section



141

Incident Energy (MeV)

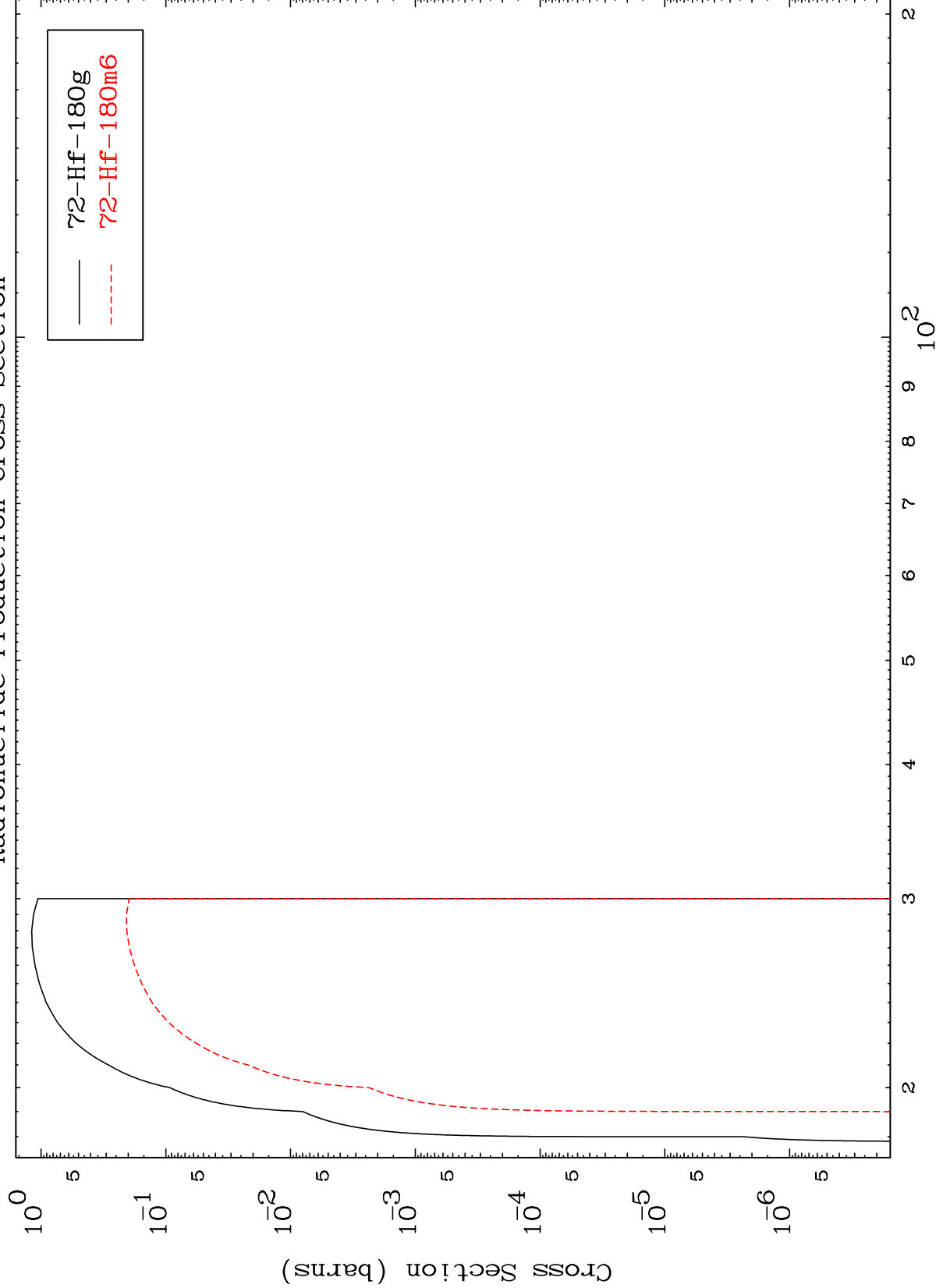
72-Hf-183

MAT 7252

(n,4n)

72-Hf-183

Radionuclide Production Cross Section



142

Incident Energy (MeV)

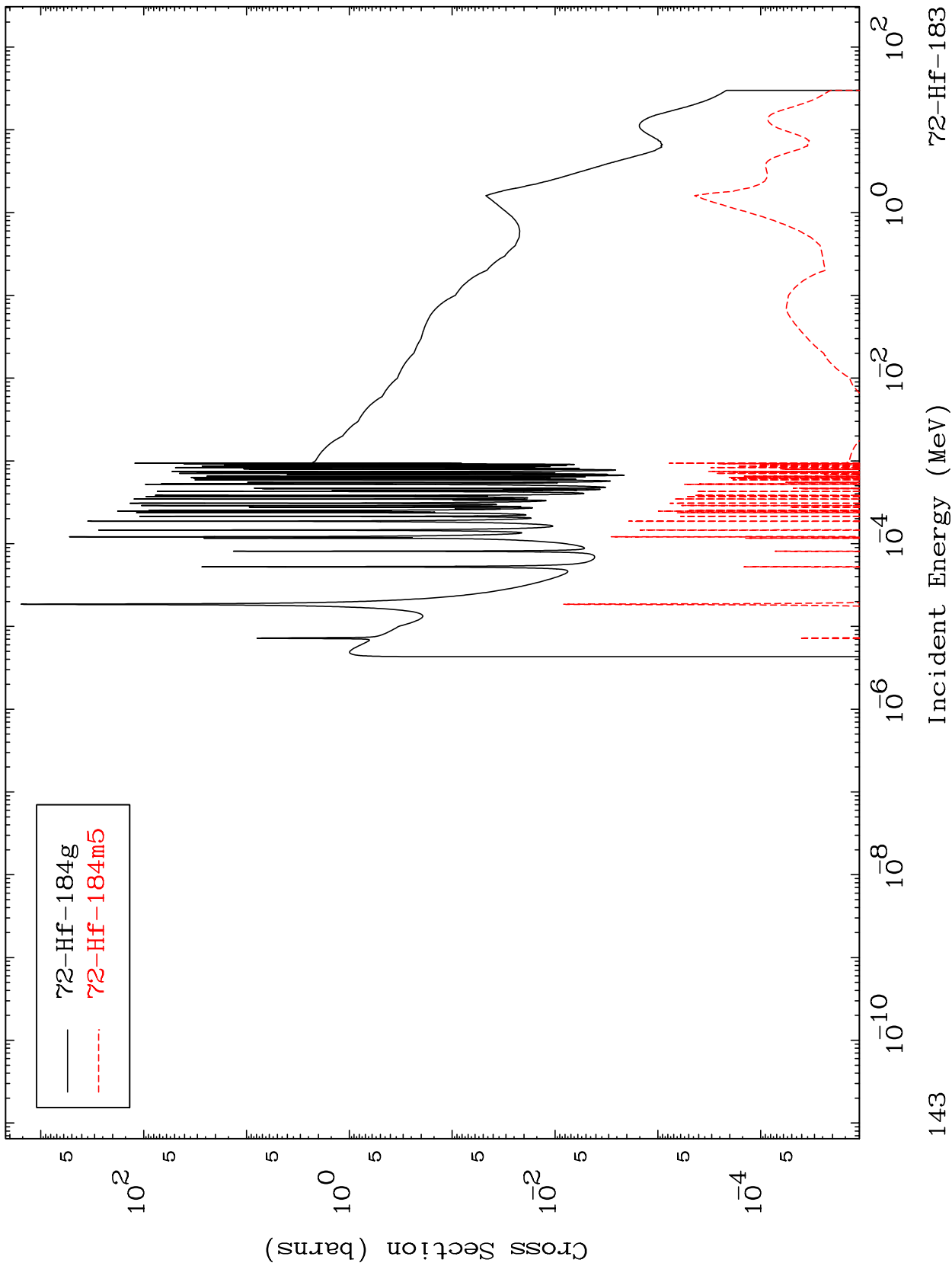
72-Hf-183

MAT 7252

(n,γ)

72-Hf-183

Radionuclide Production Cross Section



— 72-Hf-184g
- - - 72-Hf-184m5

Incident Energy (MeV)

72-Hf-183