

Program EVALPLOT  
(Version 2017-1)

by

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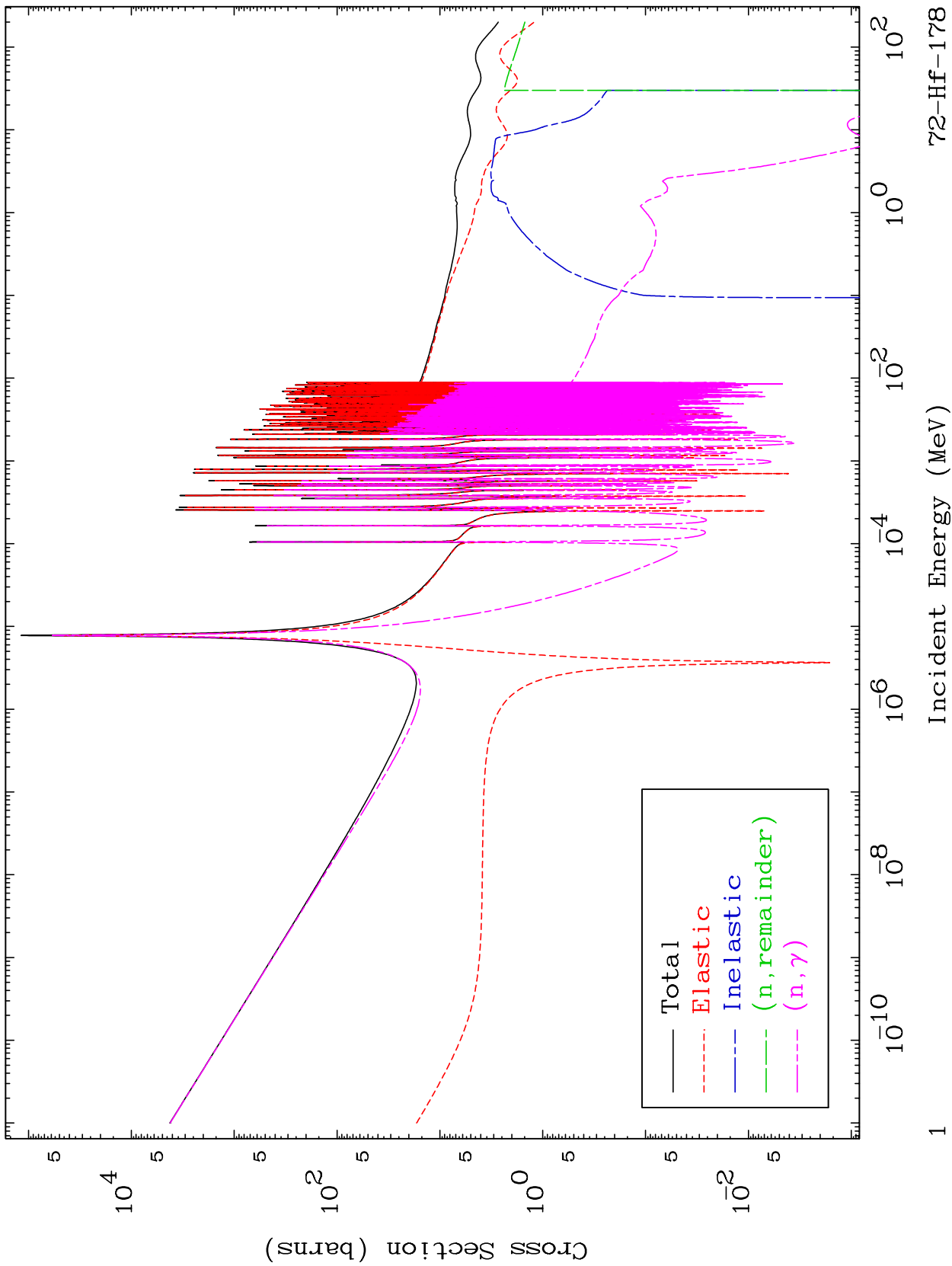
Press Mouse Button to Start

MAT 7237

Major

293 Kelvin Cross Sections

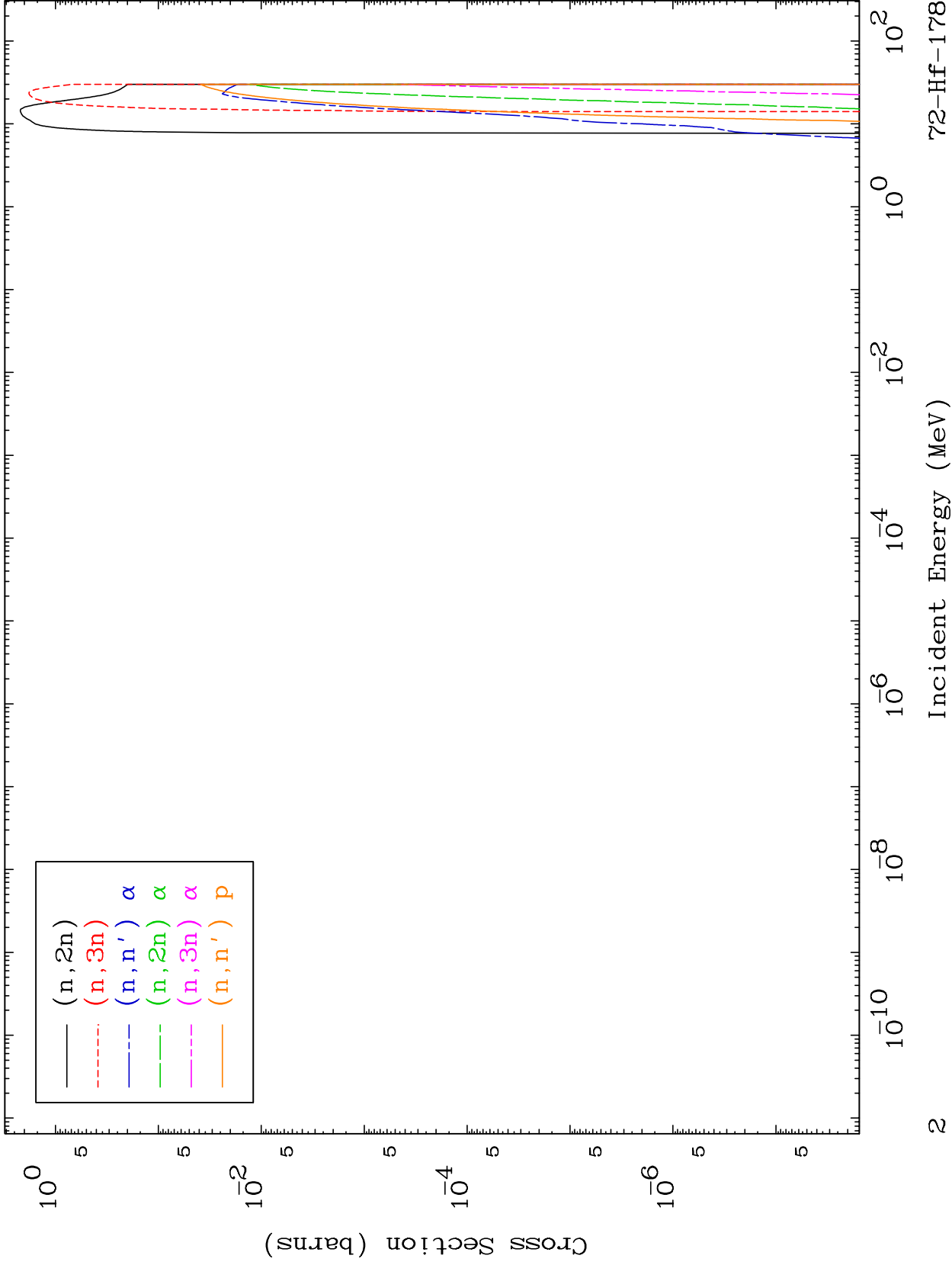
72-Hf-178

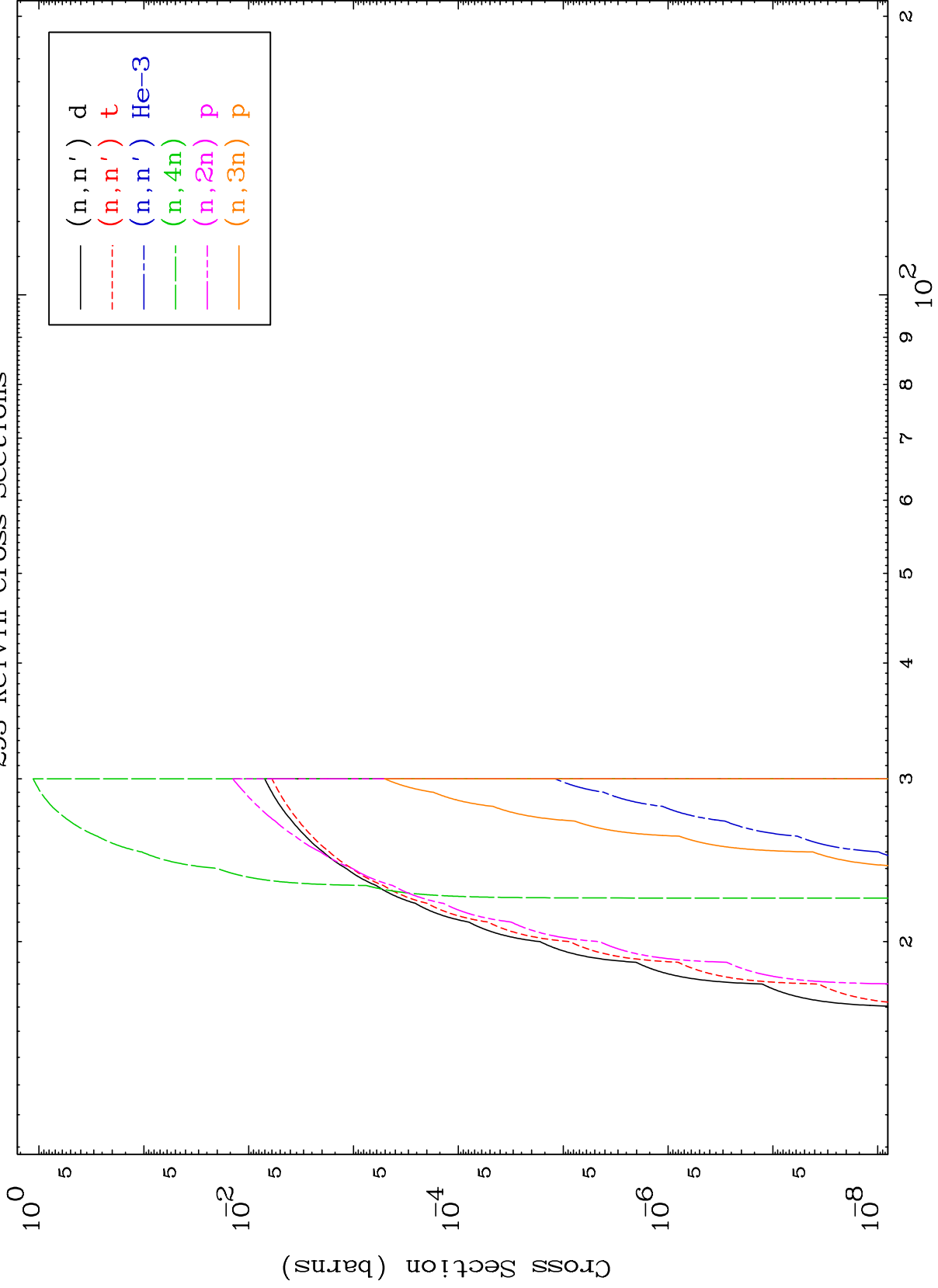


MAT 7237

Neutron Production  
293 Kelvin Cross Sections

72-Hf-178

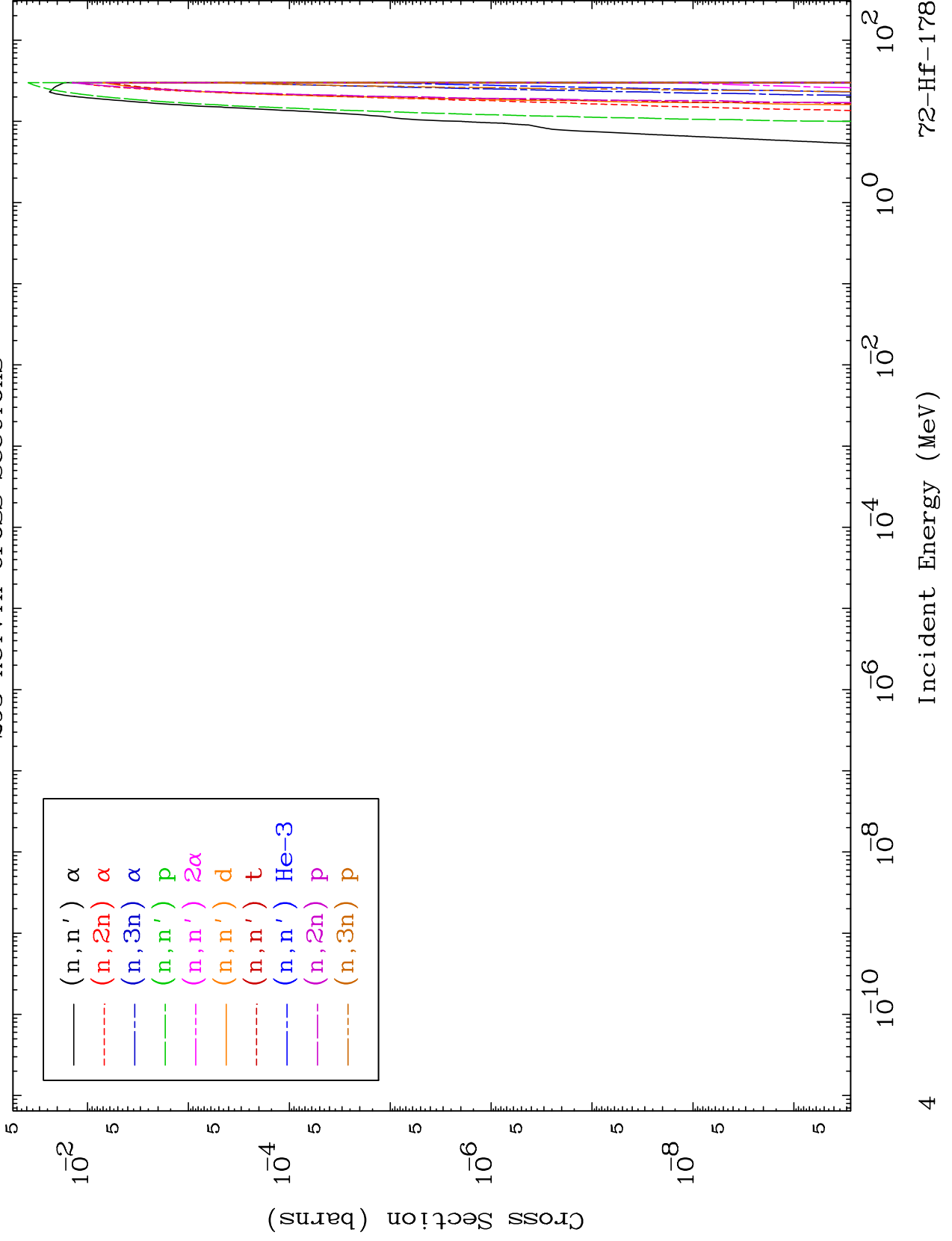




MAT 7237

Charged Particle  
293 Kelvin Cross Sections

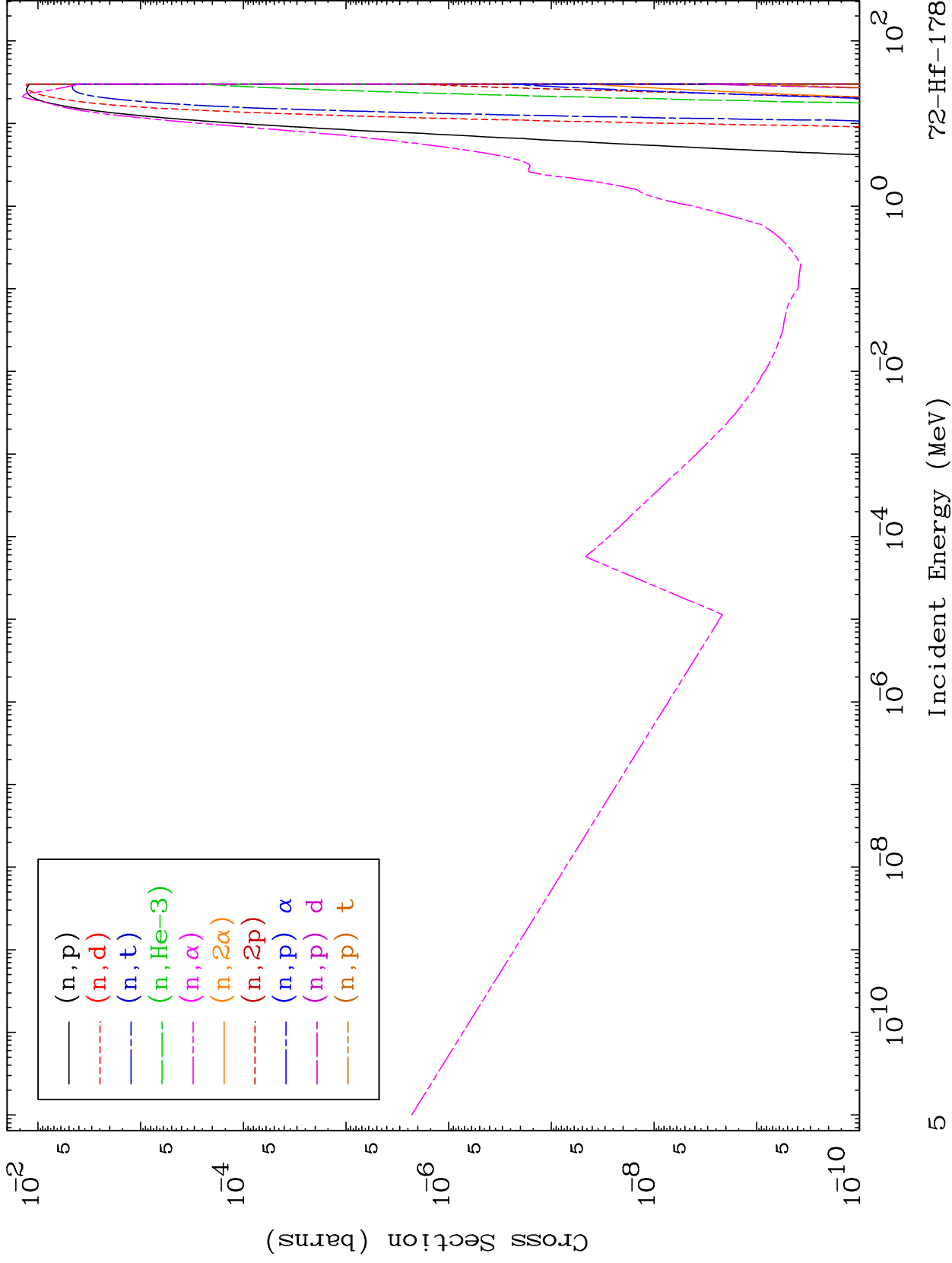
72-Hf-178

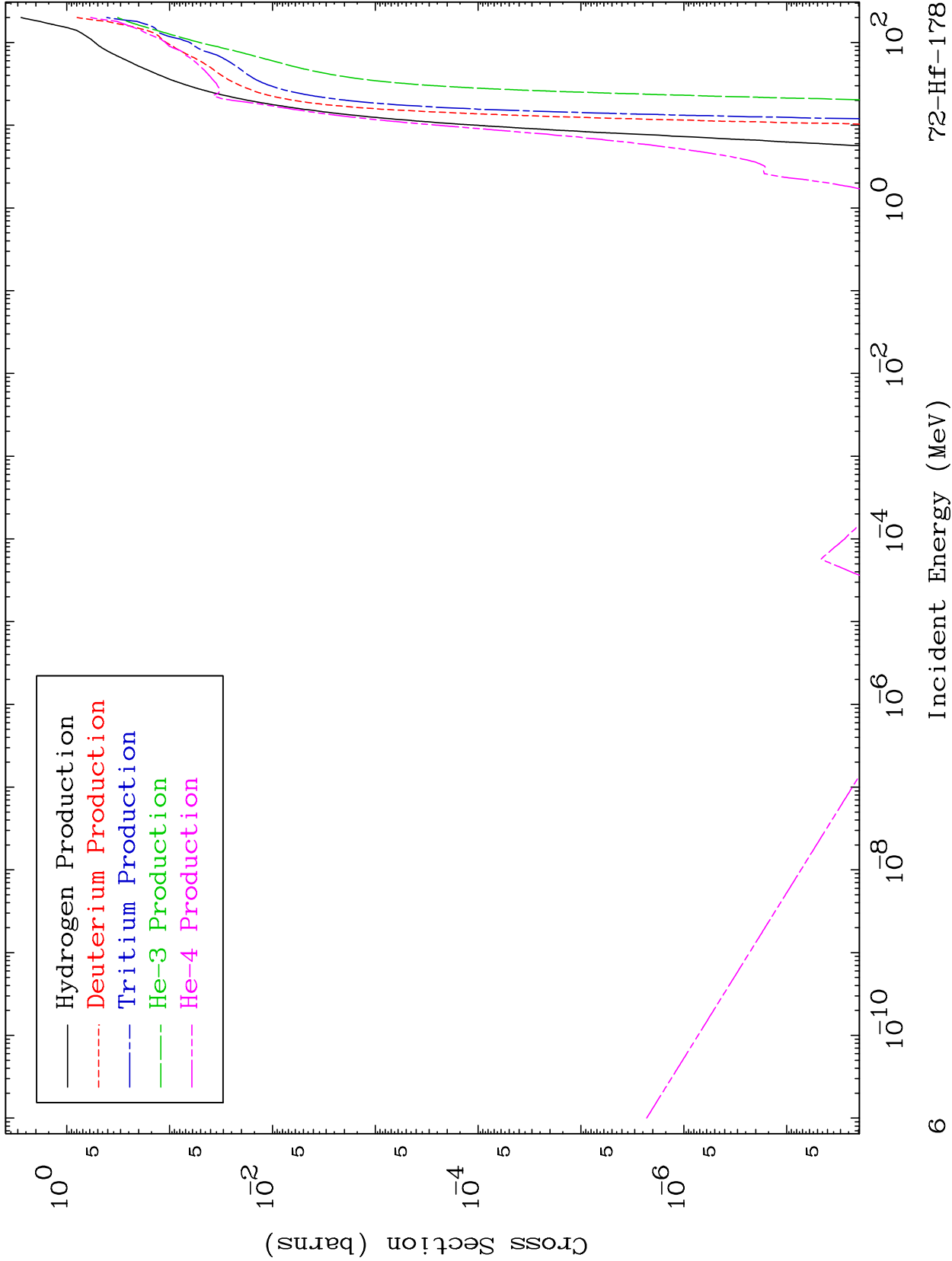


MAT 7237

Charged Particle  
293 Kelvin Cross Sections

72-Hf-178



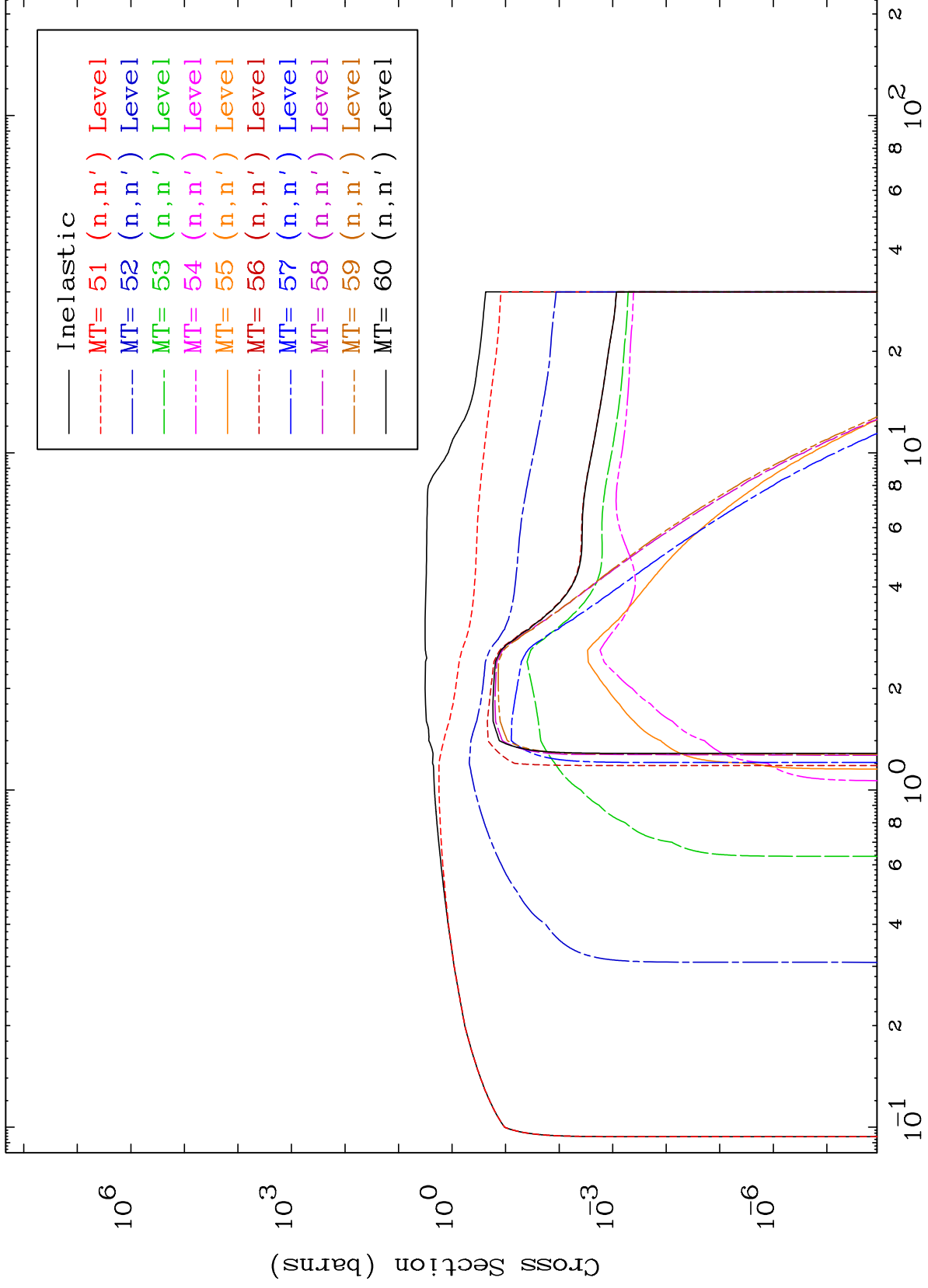


MAT 7237

(n,n') Level

72-Hf-178

293 Kelvin Cross Sections



Incident Energy (MeV)

72-Hf-178

7

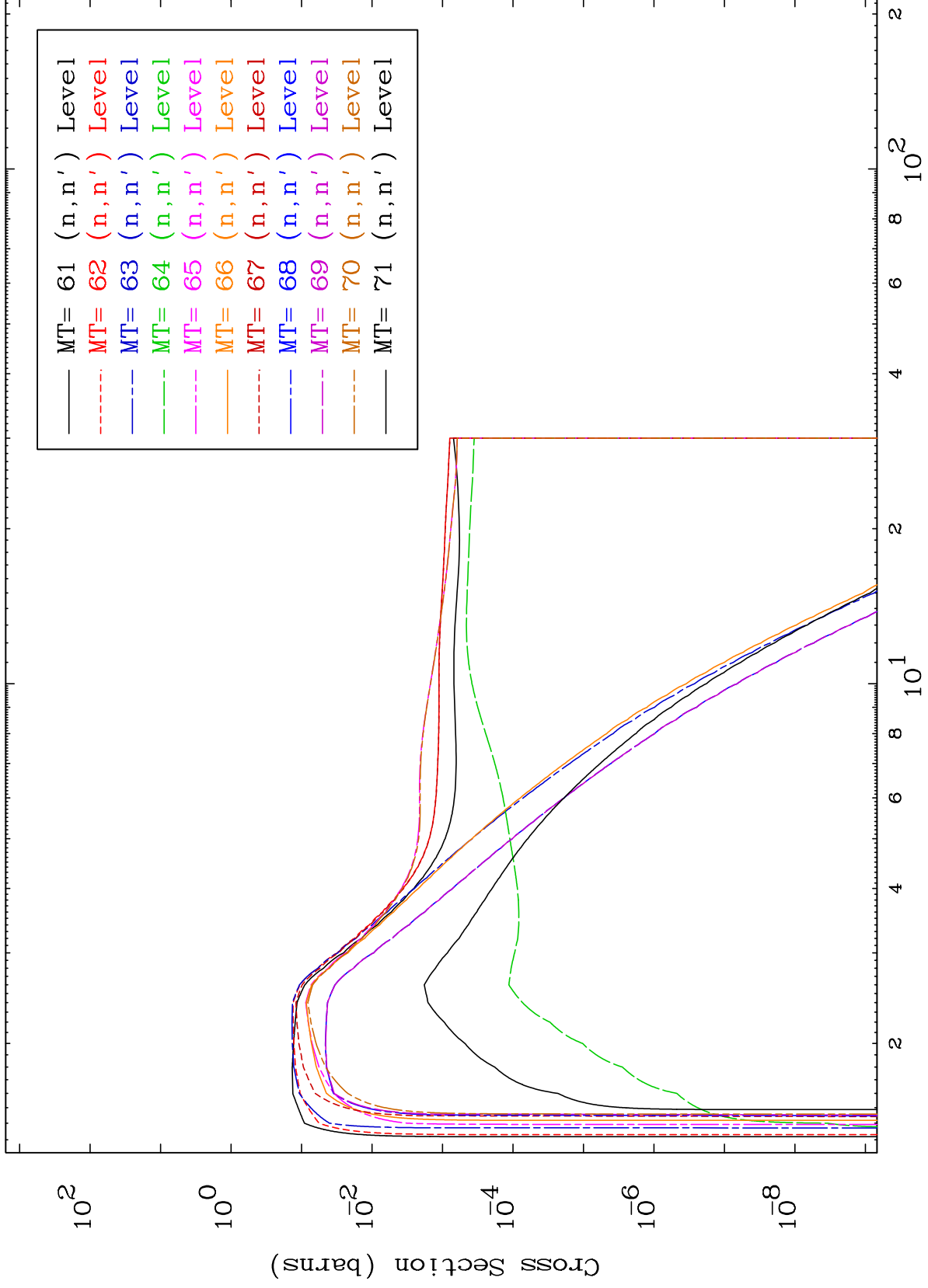


MAT 7237

(n,n') Level

293 Kelvin Cross Sections

72-Hf-178



8

Incident Energy (MeV)

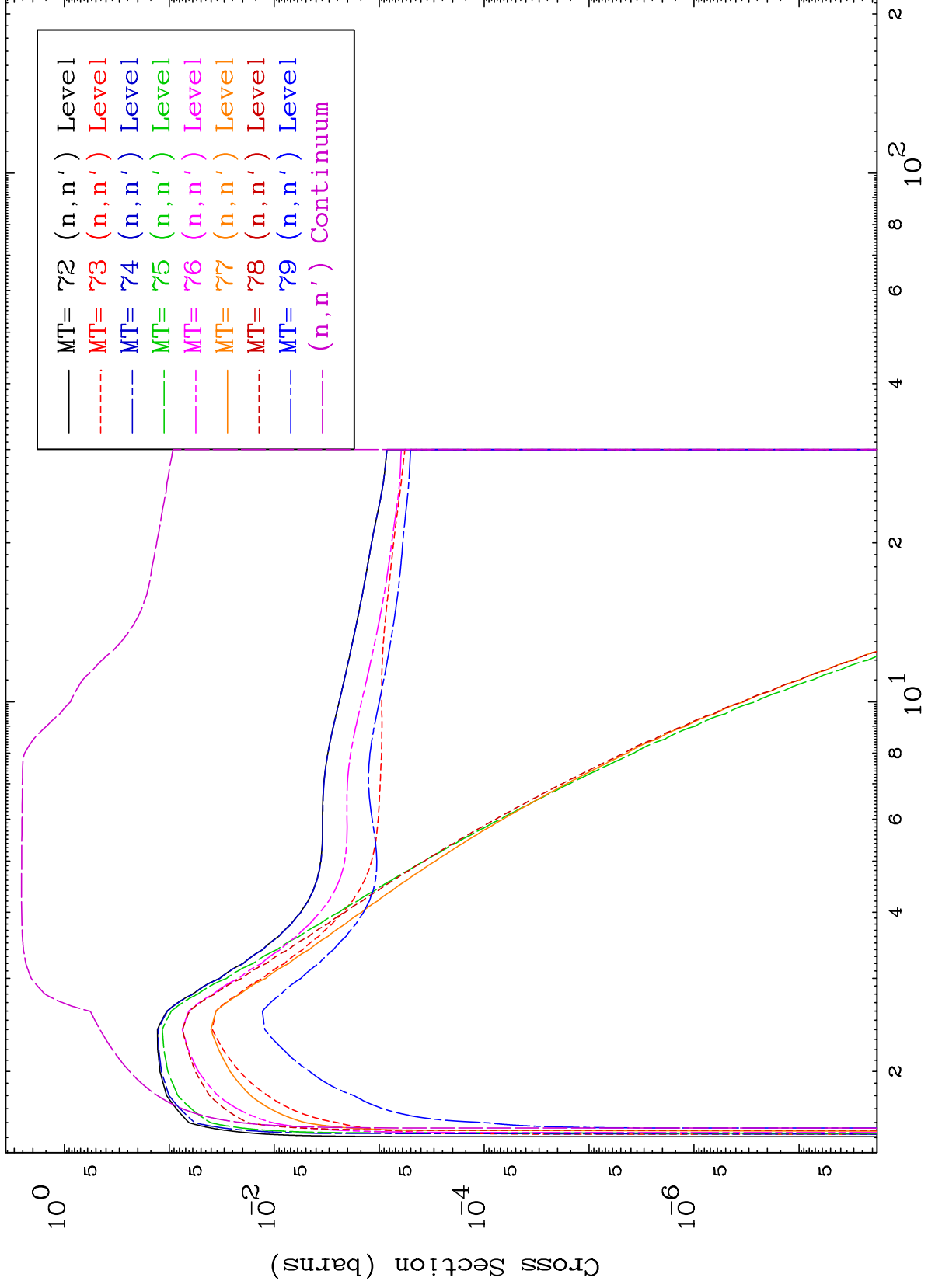
72-Hf-178

MAT 7237

(n,n') Level

72-Hf-178

293 Kelvin Cross Sections



9

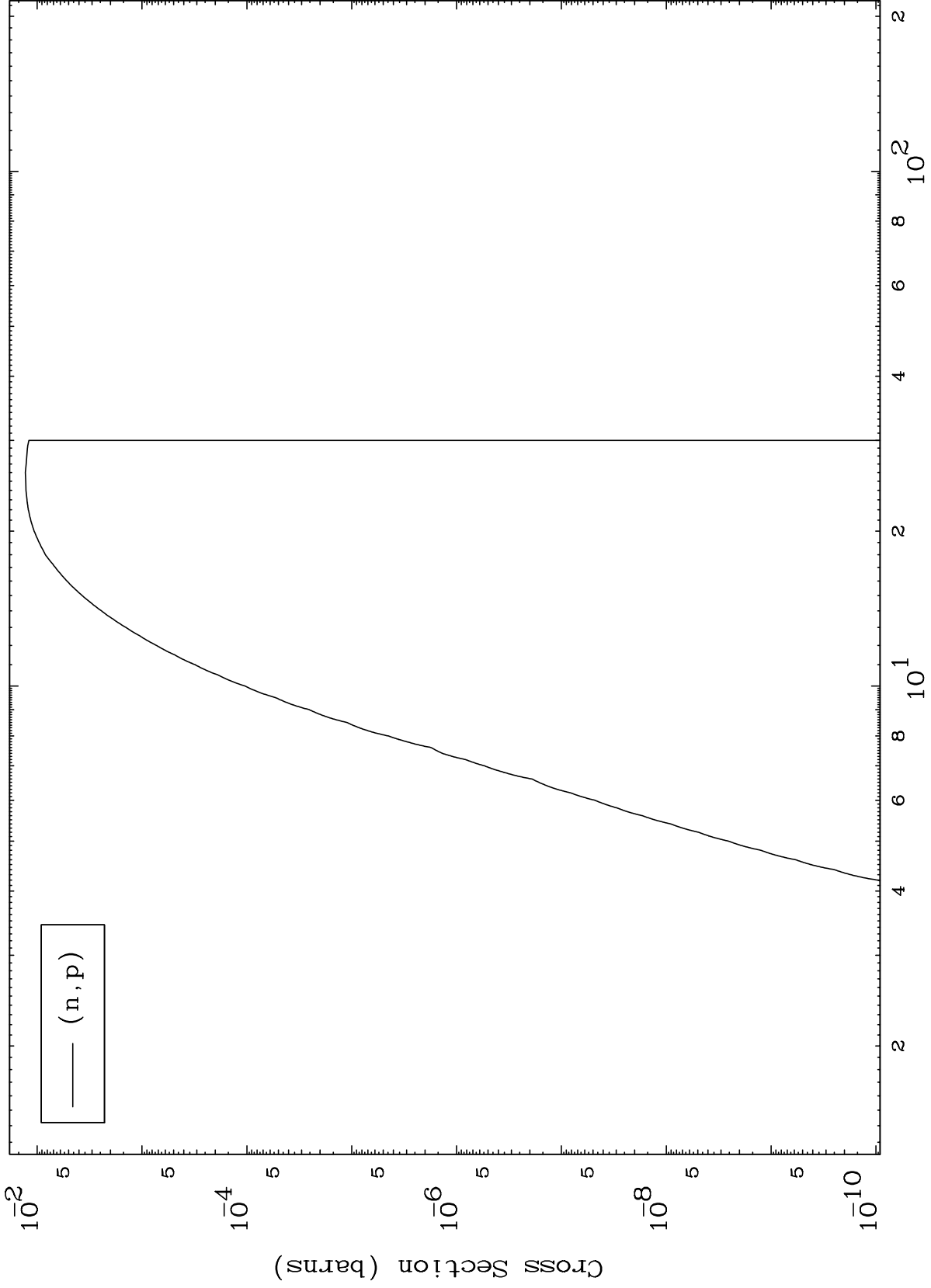
Incident Energy (MeV)

72-Hf-178

MAT 7237

(n,p) Levels  
293 Kelvin Cross Sections

72-Hf-178



10

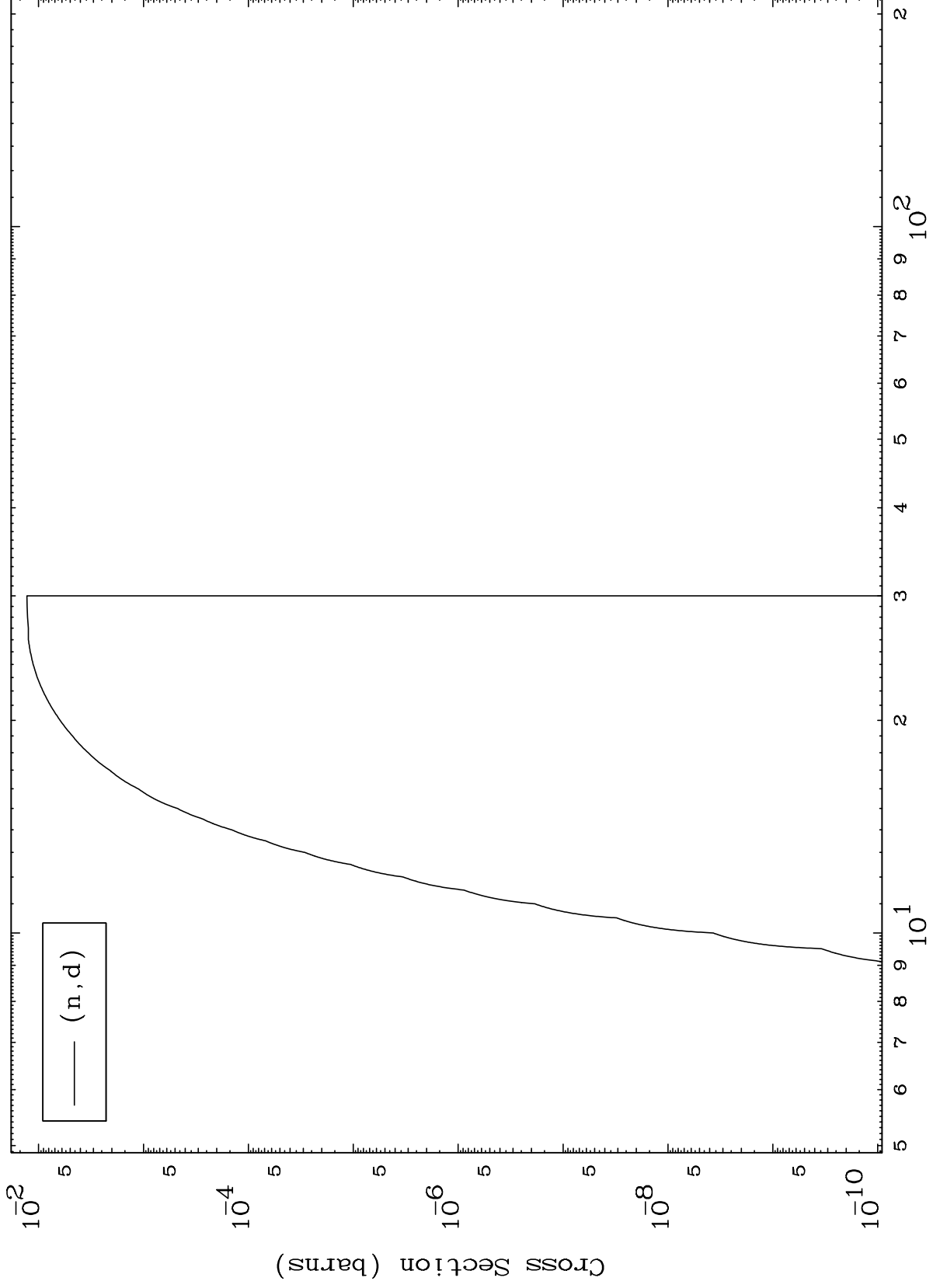
Incident Energy (MeV)

72-Hf-178

MAT 7237

(n,d) Levels  
293 Kelvin Cross Sections

72-Hf-178



11

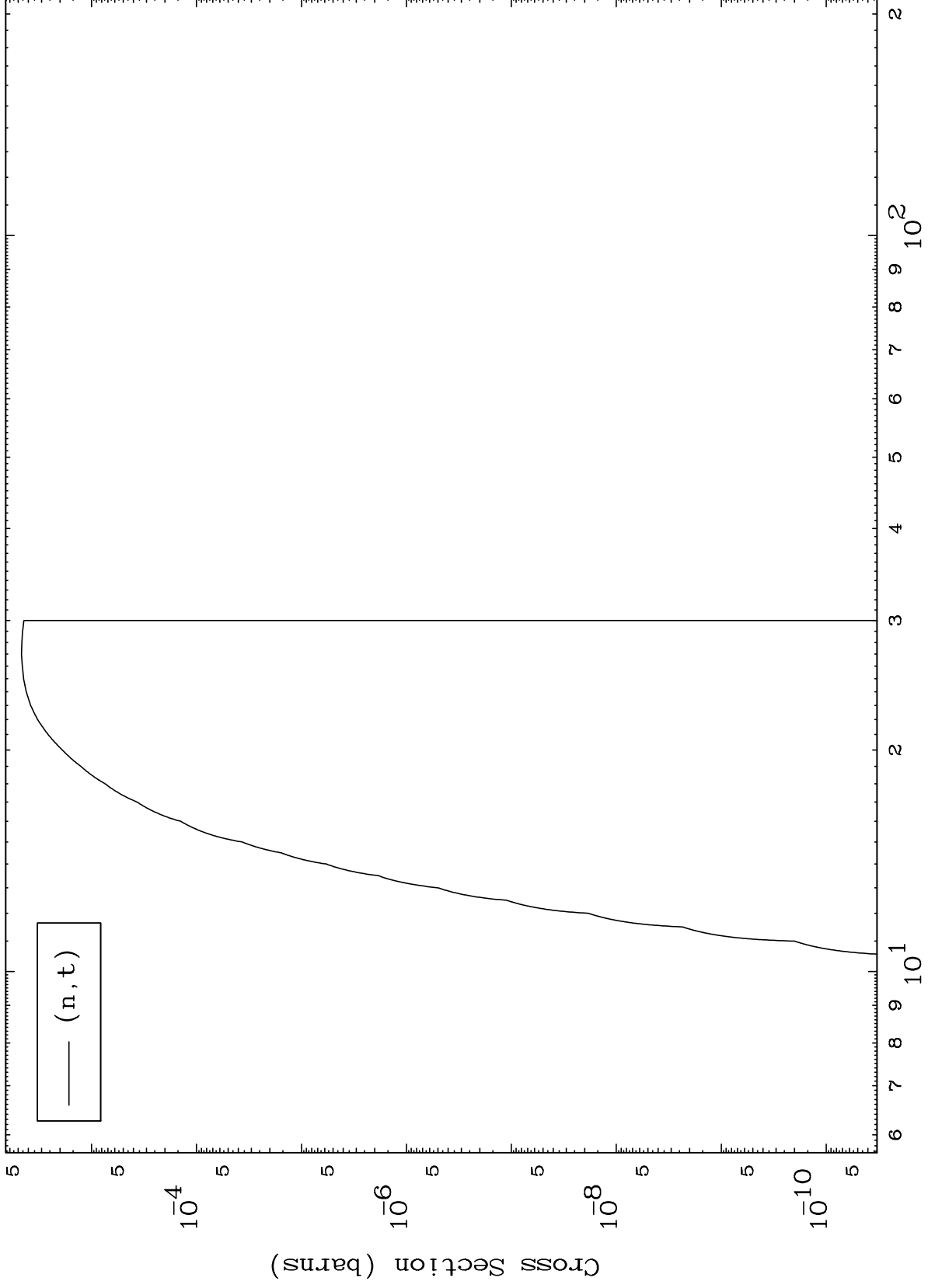
Incident Energy (MeV)

72-Hf-178

MAT 7237

(n, t) Levels  
293 Kelvin Cross Sections

72-Hf-178



12

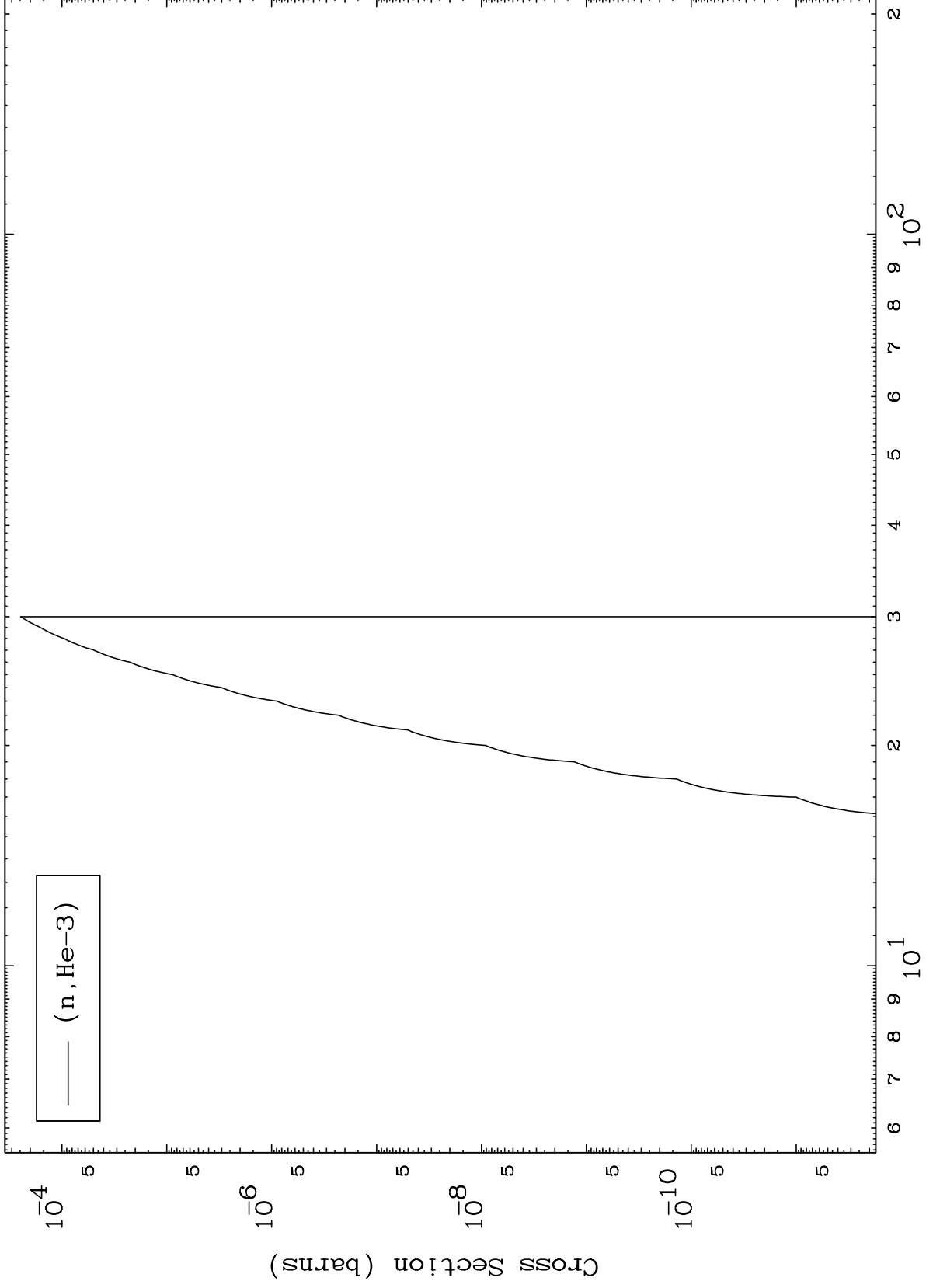
Incident Energy (MeV)

72-Hf-178

MAT 7237

(n,He3) Levels  
293 Kelvin Cross Sections

72-Hf-178



13

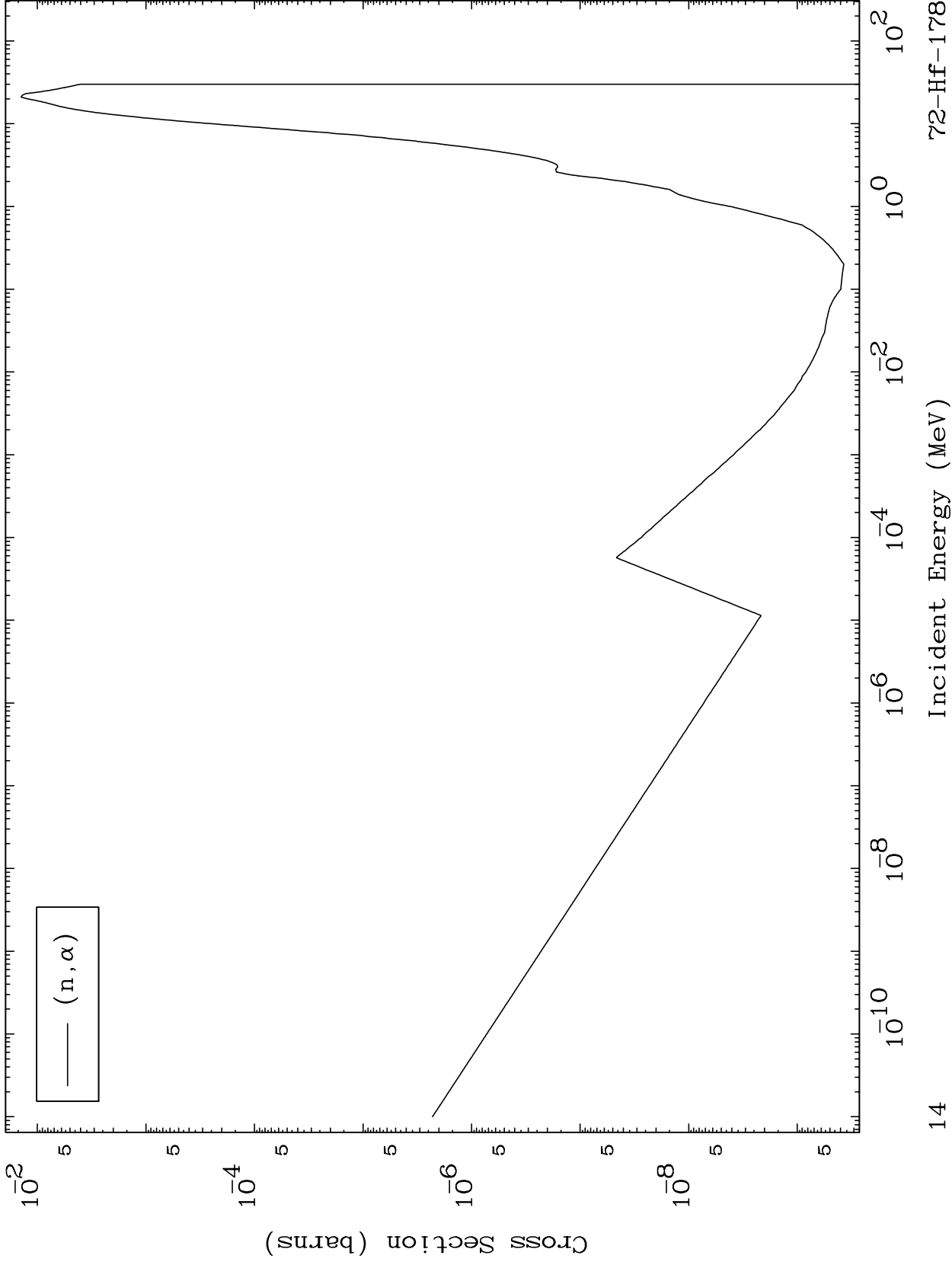
Incident Energy (MeV)

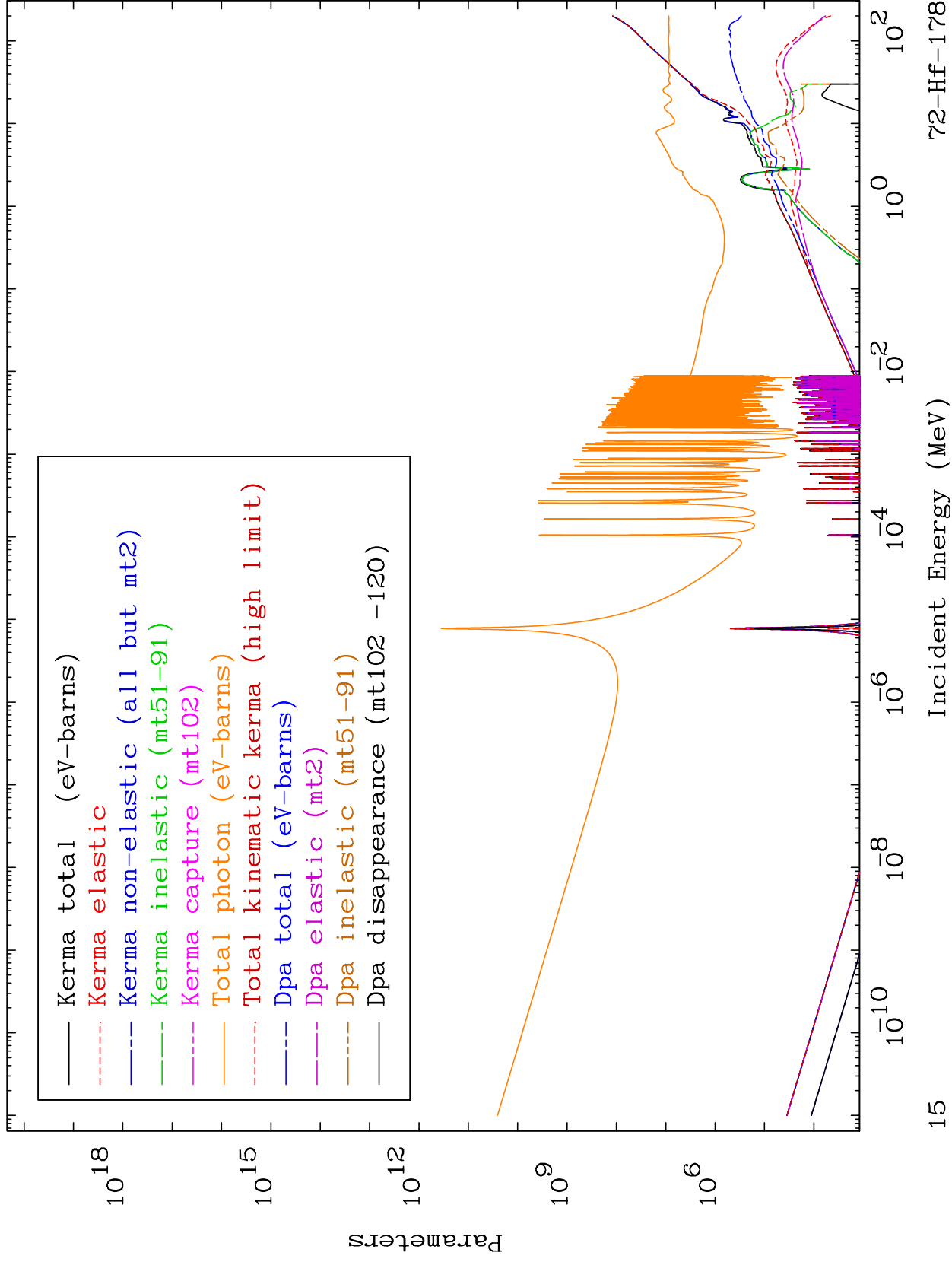
72-Hf-178

MAT 7237

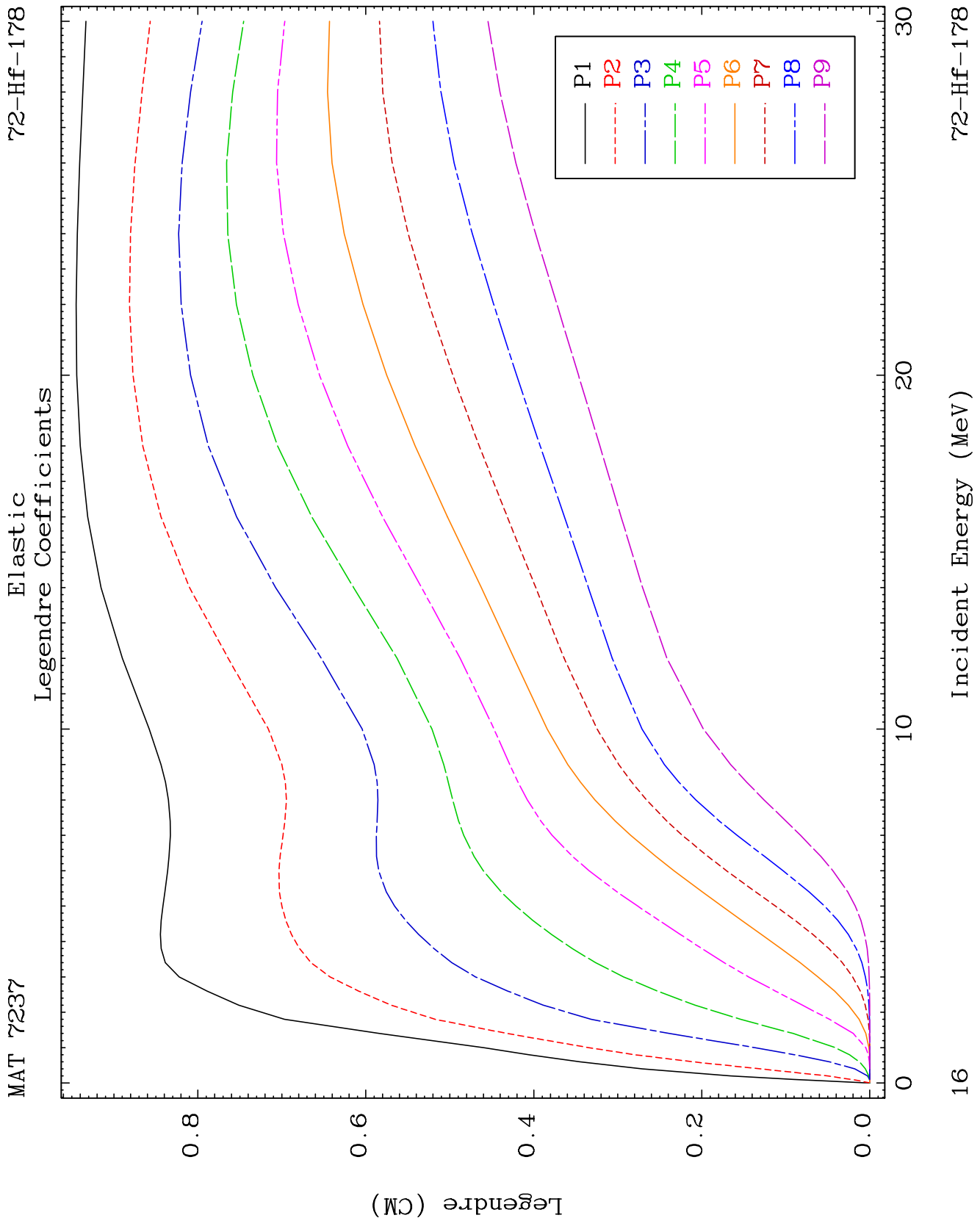
(n,α) Levels  
293 Kelvin Cross Sections

72-Hf-178





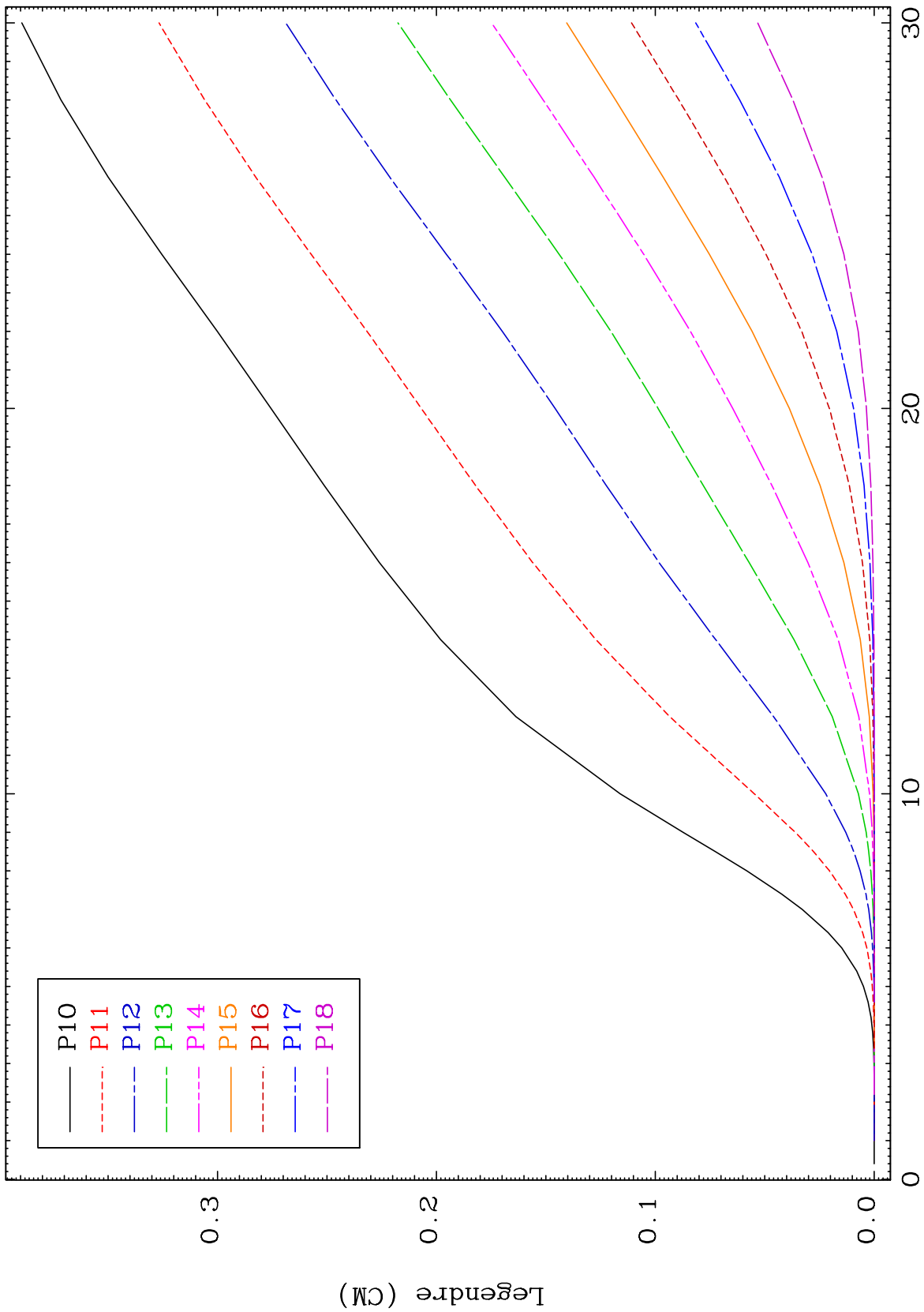




MAT 7237

Elastic Legendre Coefficients

72-Hf-178



17

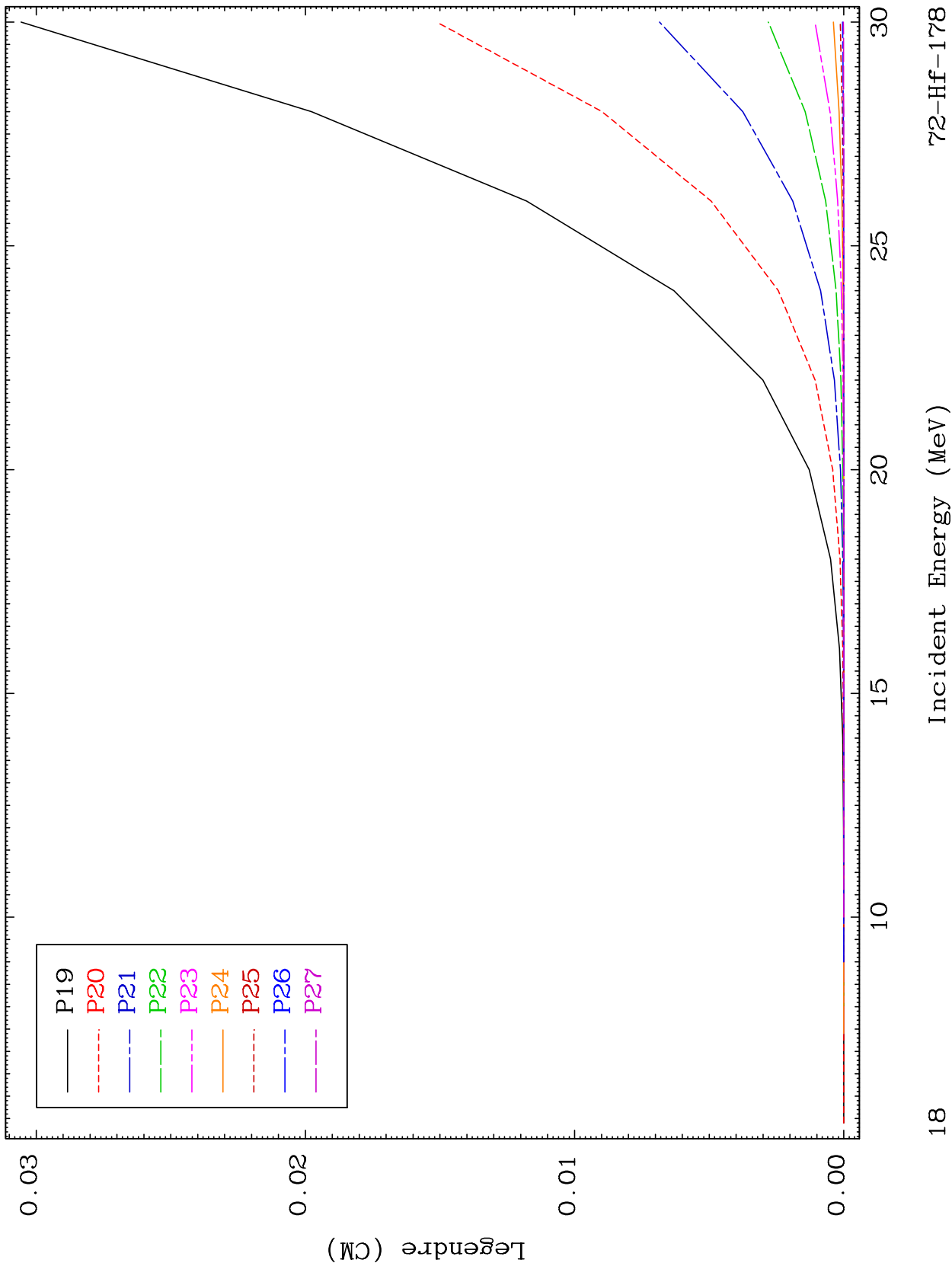
Incident Energy (MeV)

72-Hf-178

MAT 7237

### Elastic Legendre Coefficients

72-Hf-178



18

Incident Energy (MeV)

72-Hf-178

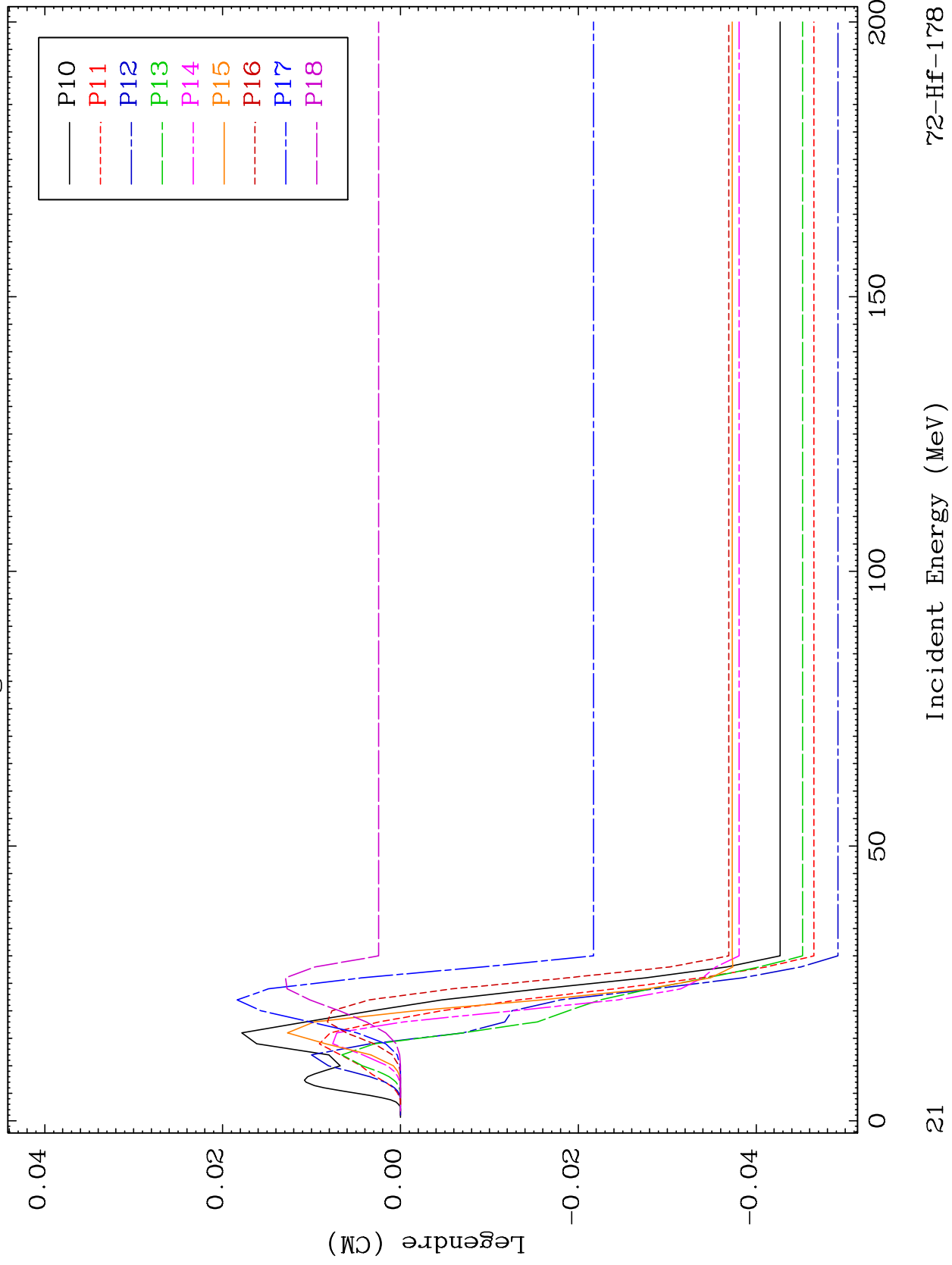




MAT 7237

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

72-Hf-178



21

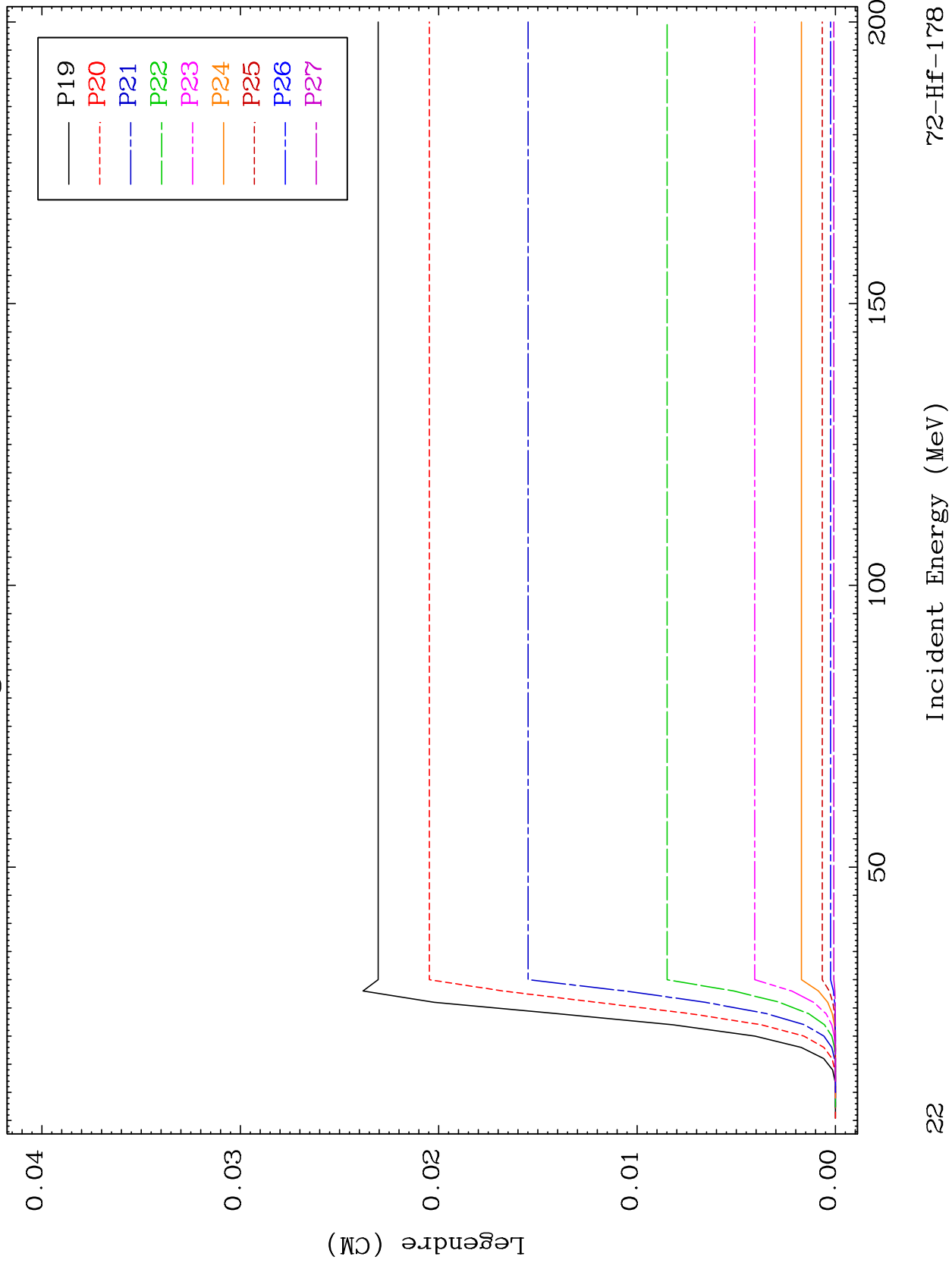
Incident Energy (MeV)

72-Hf-178

MAT 7237

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

72-Hf-178



22

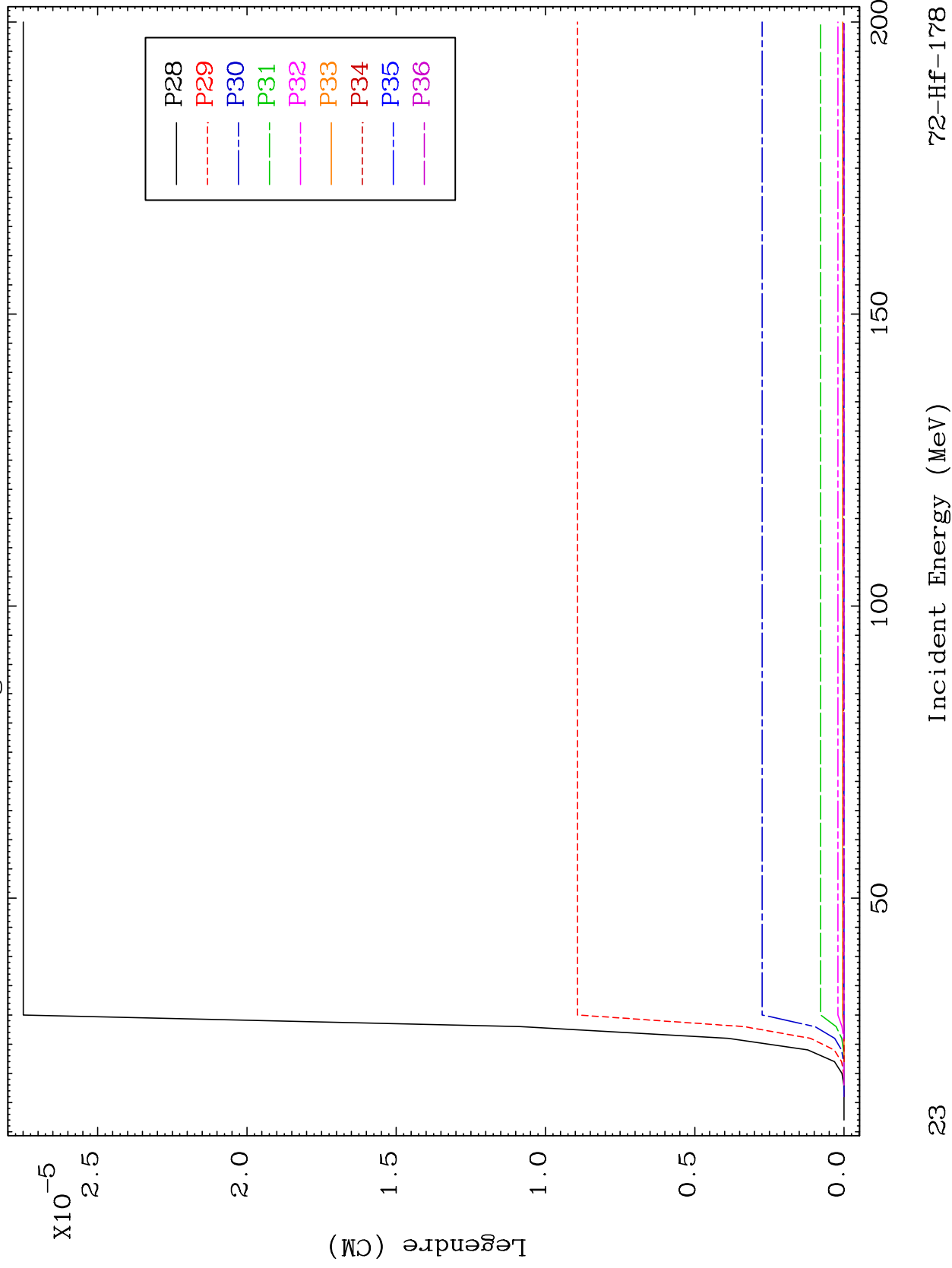
Incident Energy (MeV)

72-Hf-178

MAT 7237

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

72-Hf-178



23

Incident Energy (MeV)

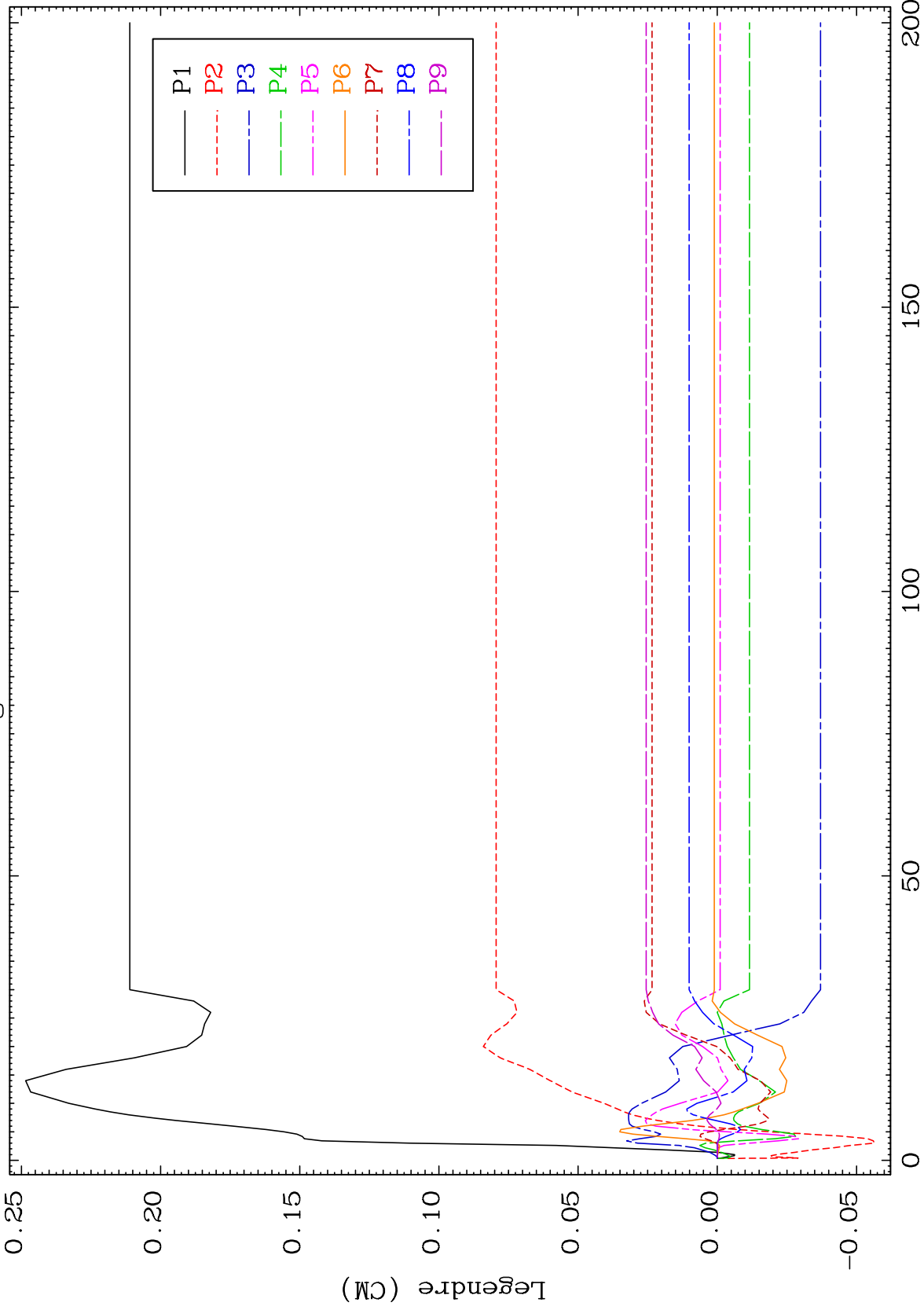
72-Hf-178



MAT 7237

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

72-Hf-178



24

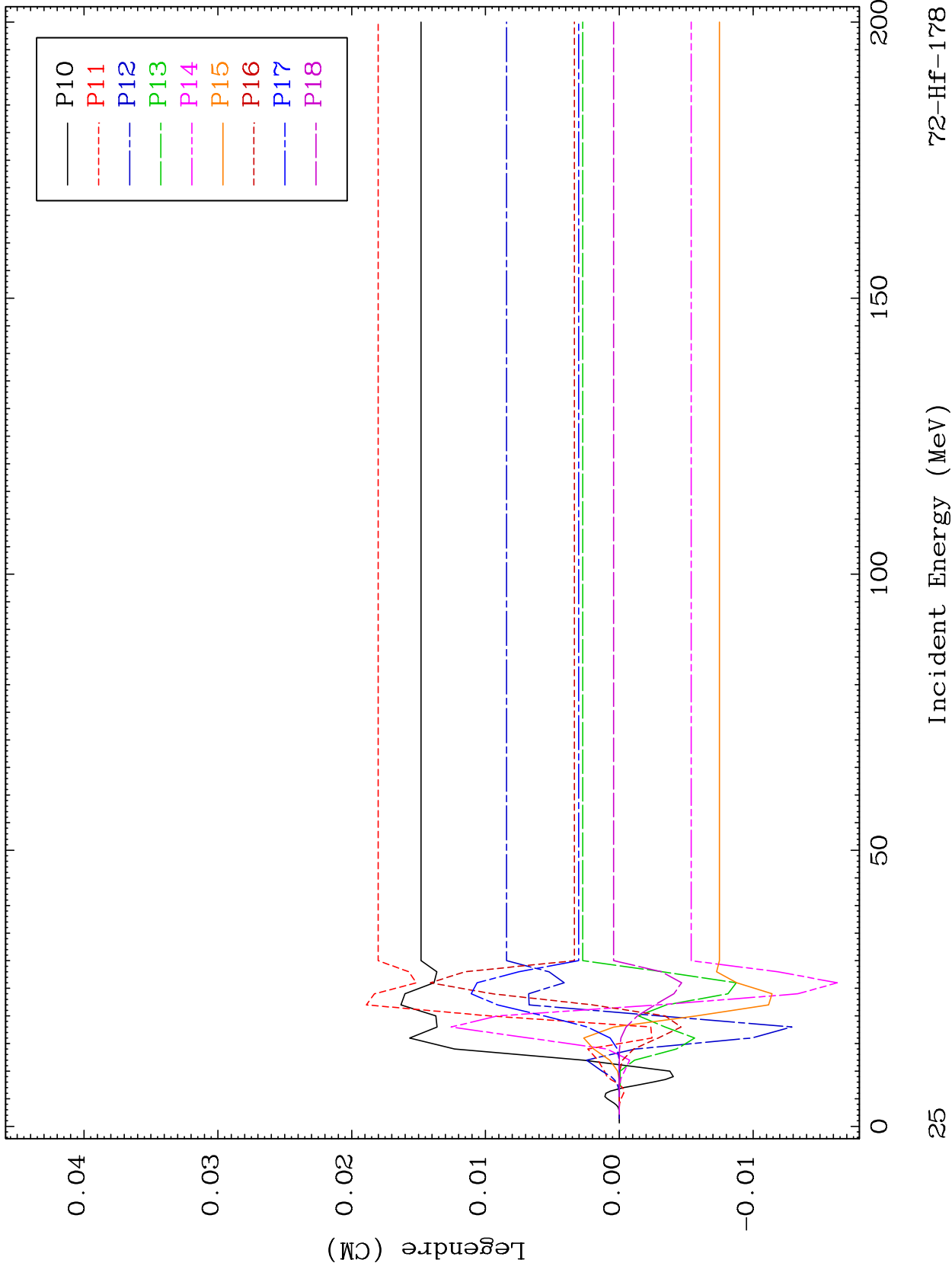
Incident Energy (MeV)

72-Hf-178

MAT 7237

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

72-Hf-178



72-Hf-178

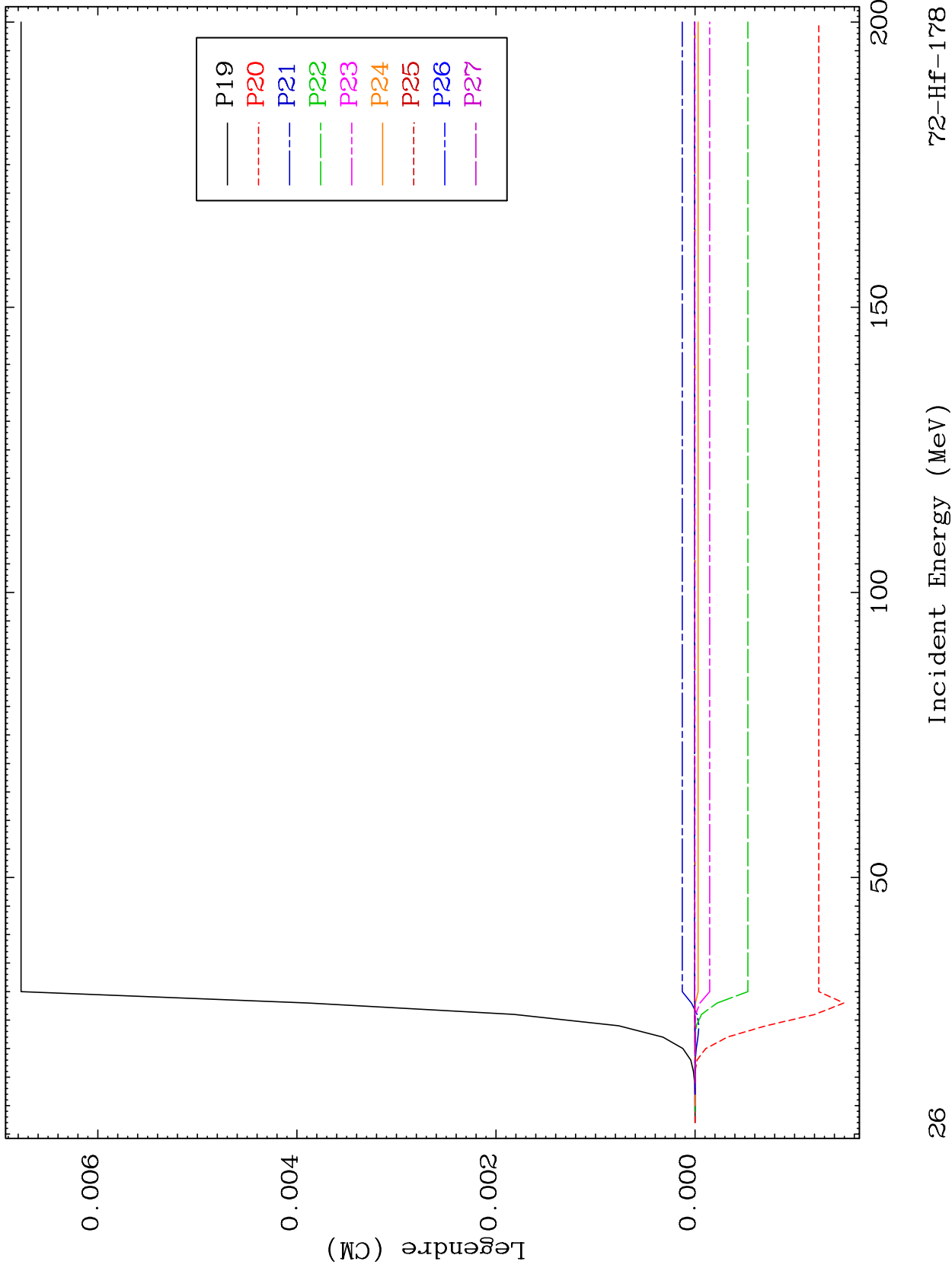
Incident Energy (MeV)

25

MAT 7237

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

72-Hf-178



26

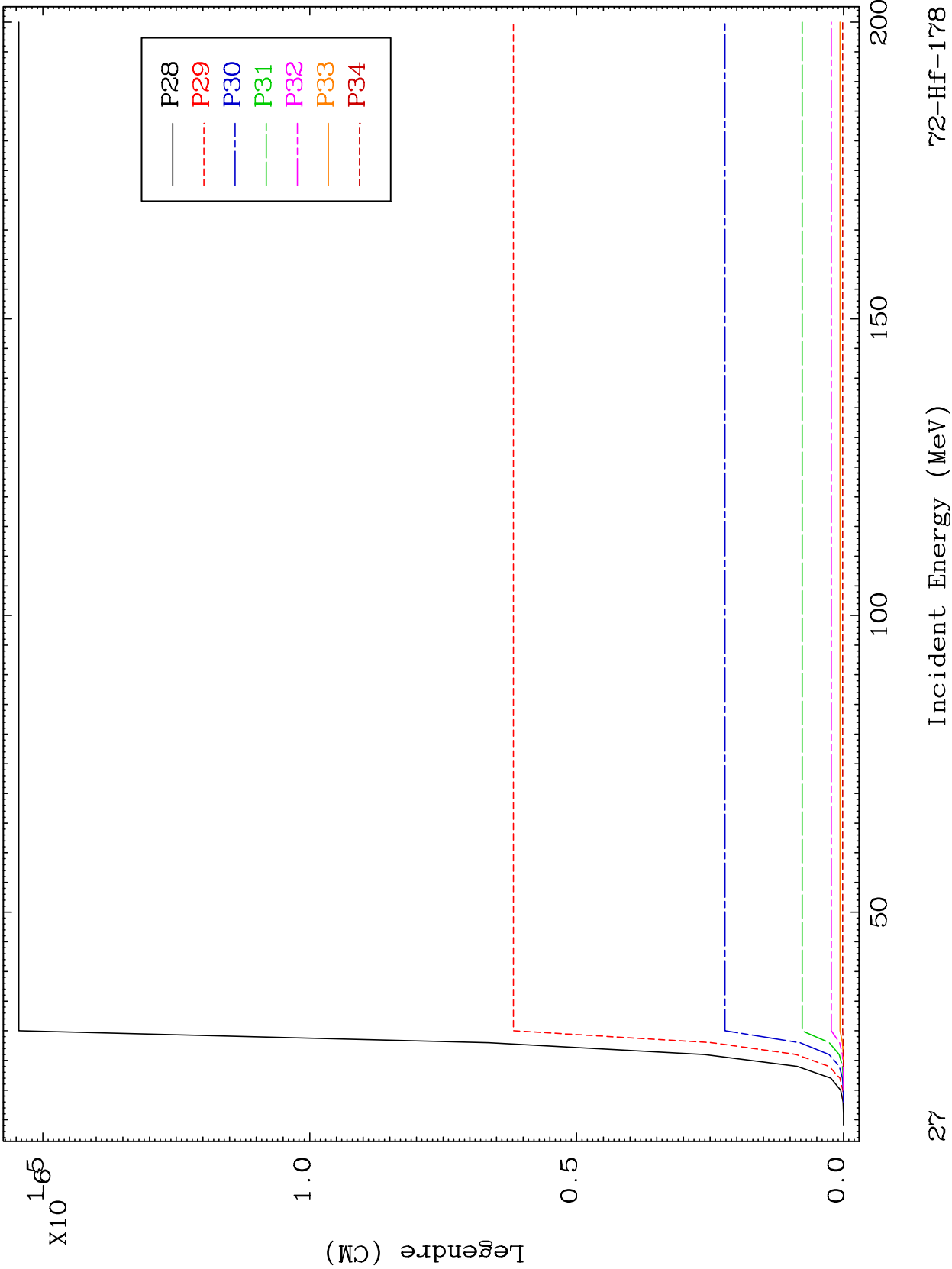
Incident Energy (MeV)

72-Hf-178

MAT 7237

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

72-Hf-178



27

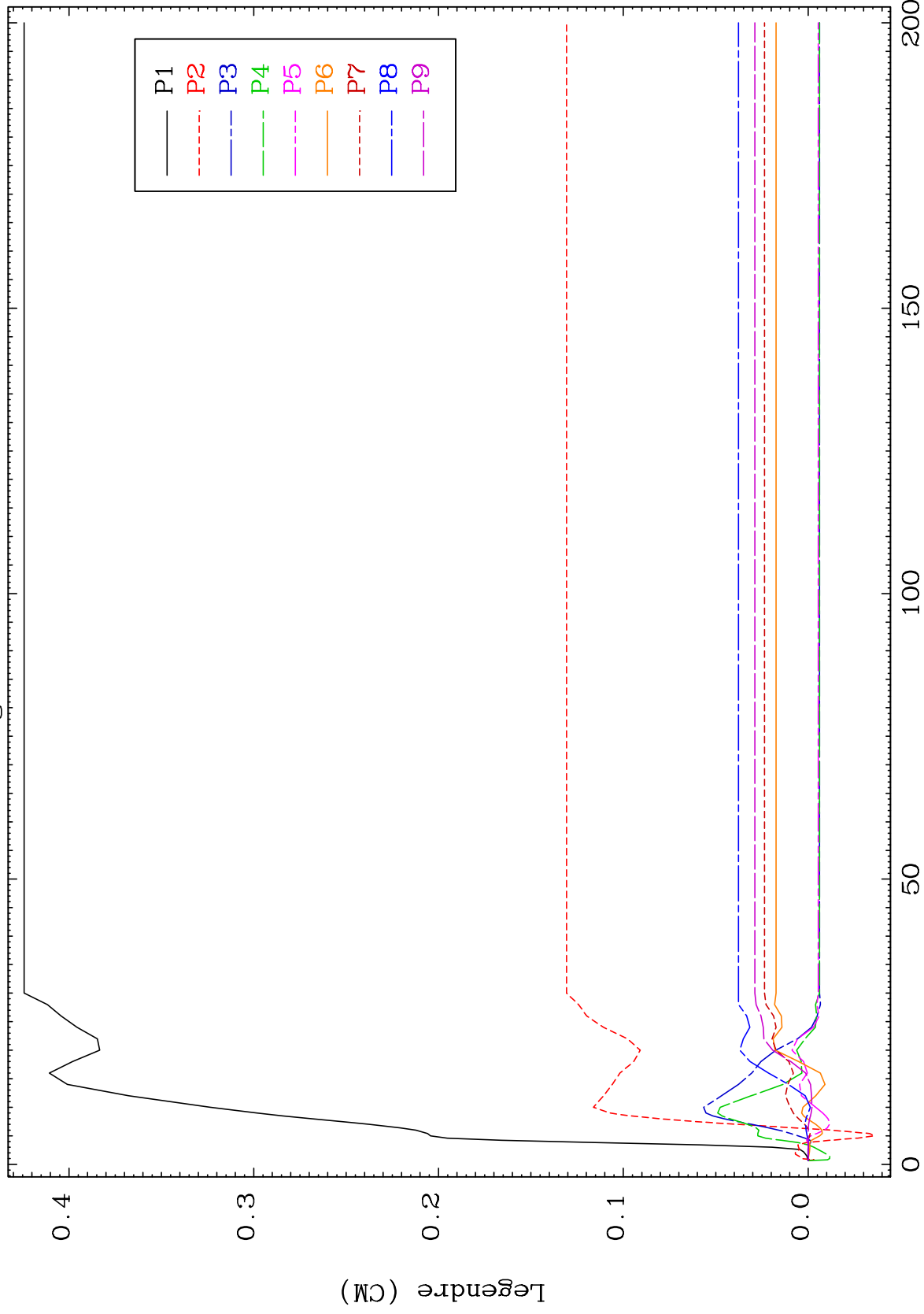
Incident Energy (MeV)

72-Hf-178

MAT 7237

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

72-Hf-178



72-Hf-178

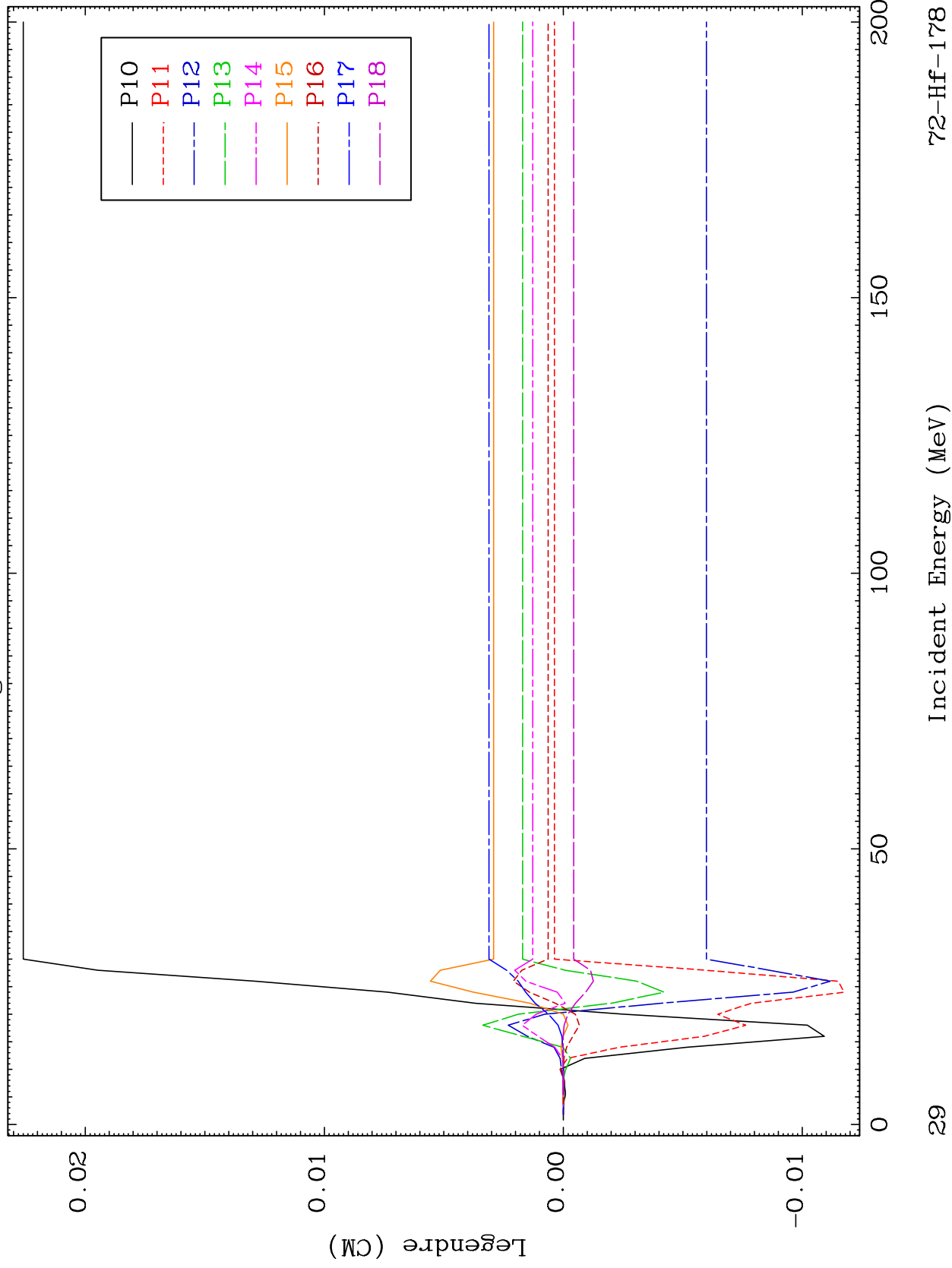
Incident Energy (MeV)

28

MAT 7237

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

72-Hf-178



72-Hf-178

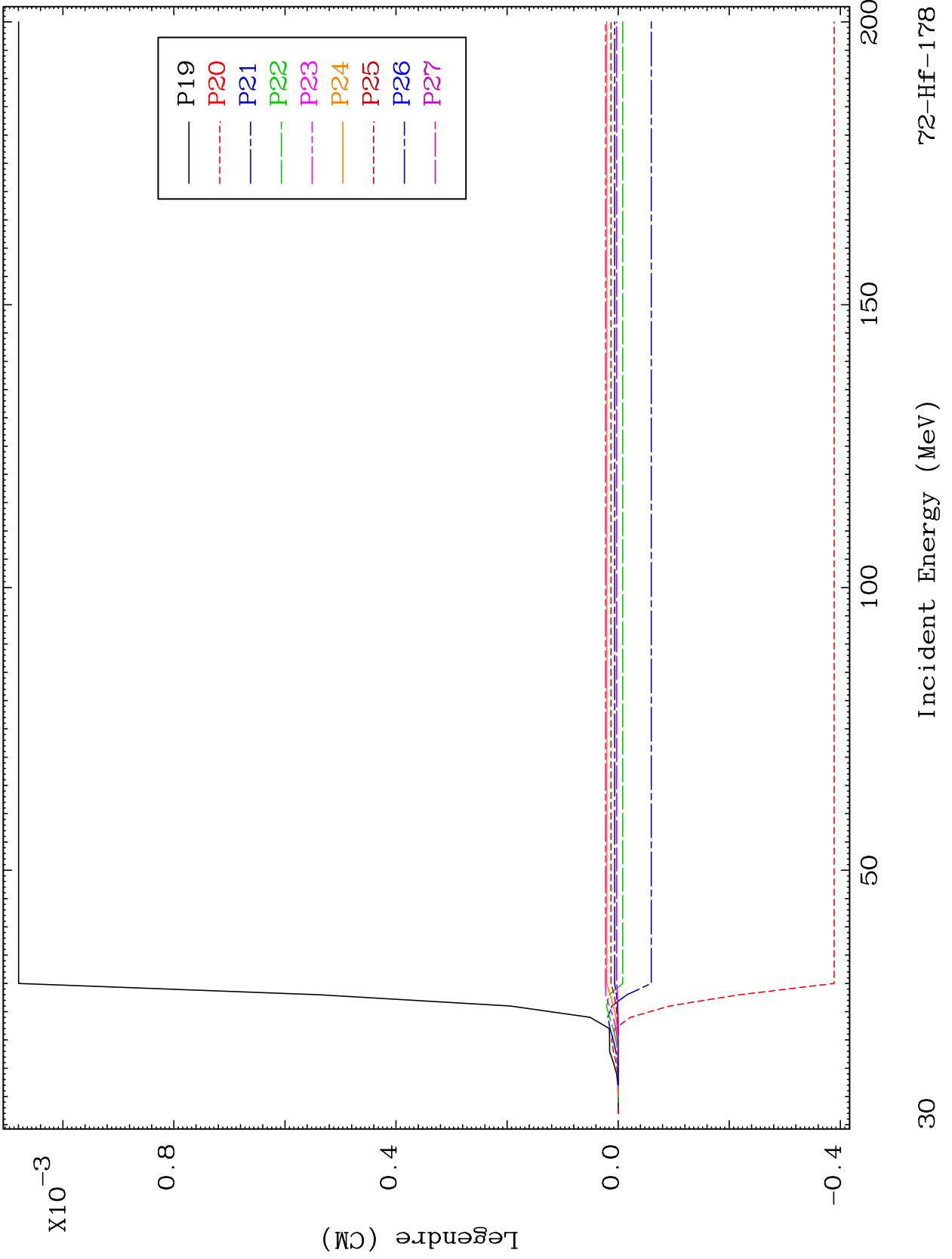
Incident Energy (MeV)

29

MAT 7237

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

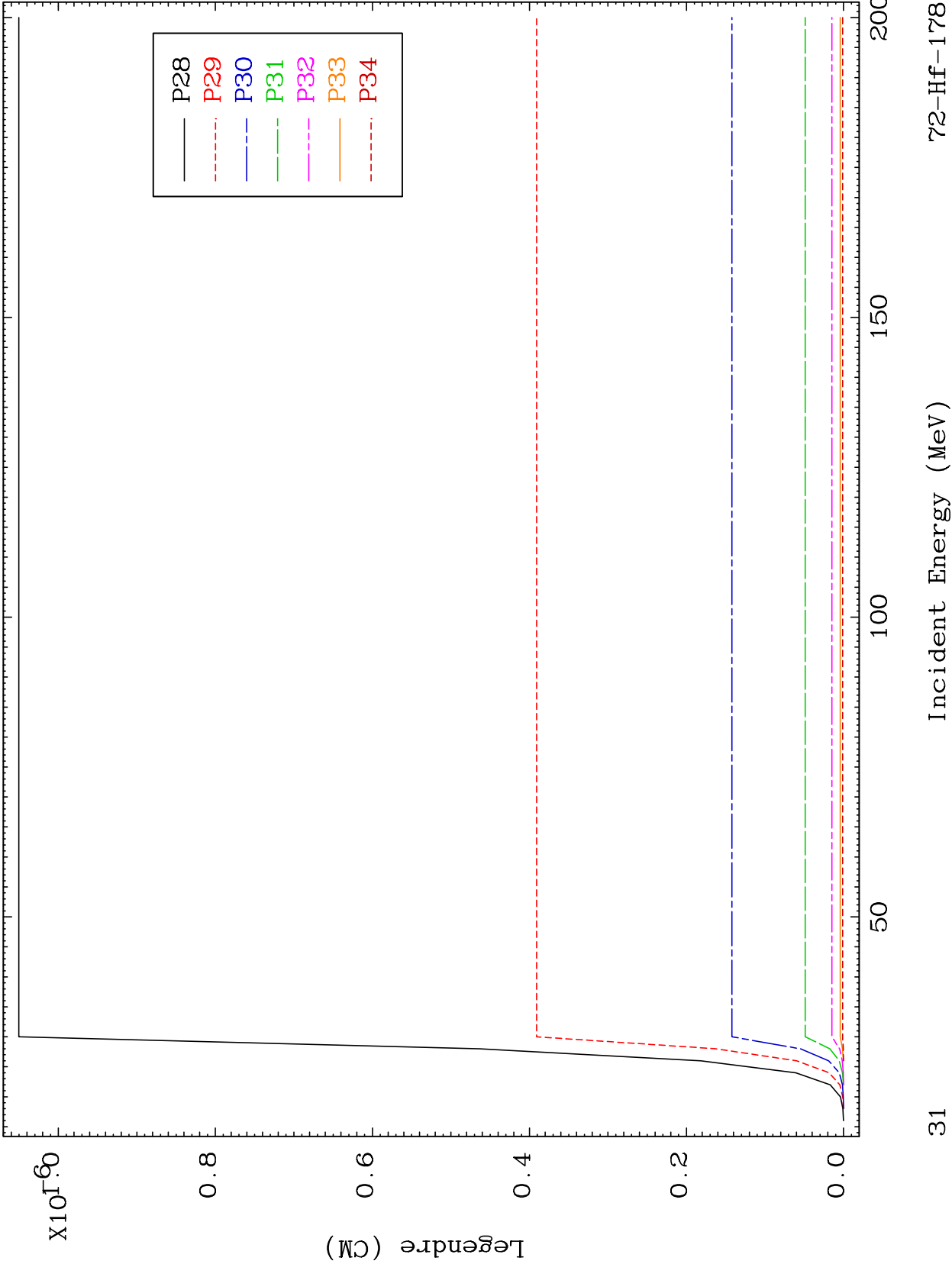
72-Hf-178



30

Incident Energy (MeV)

72-Hf-178

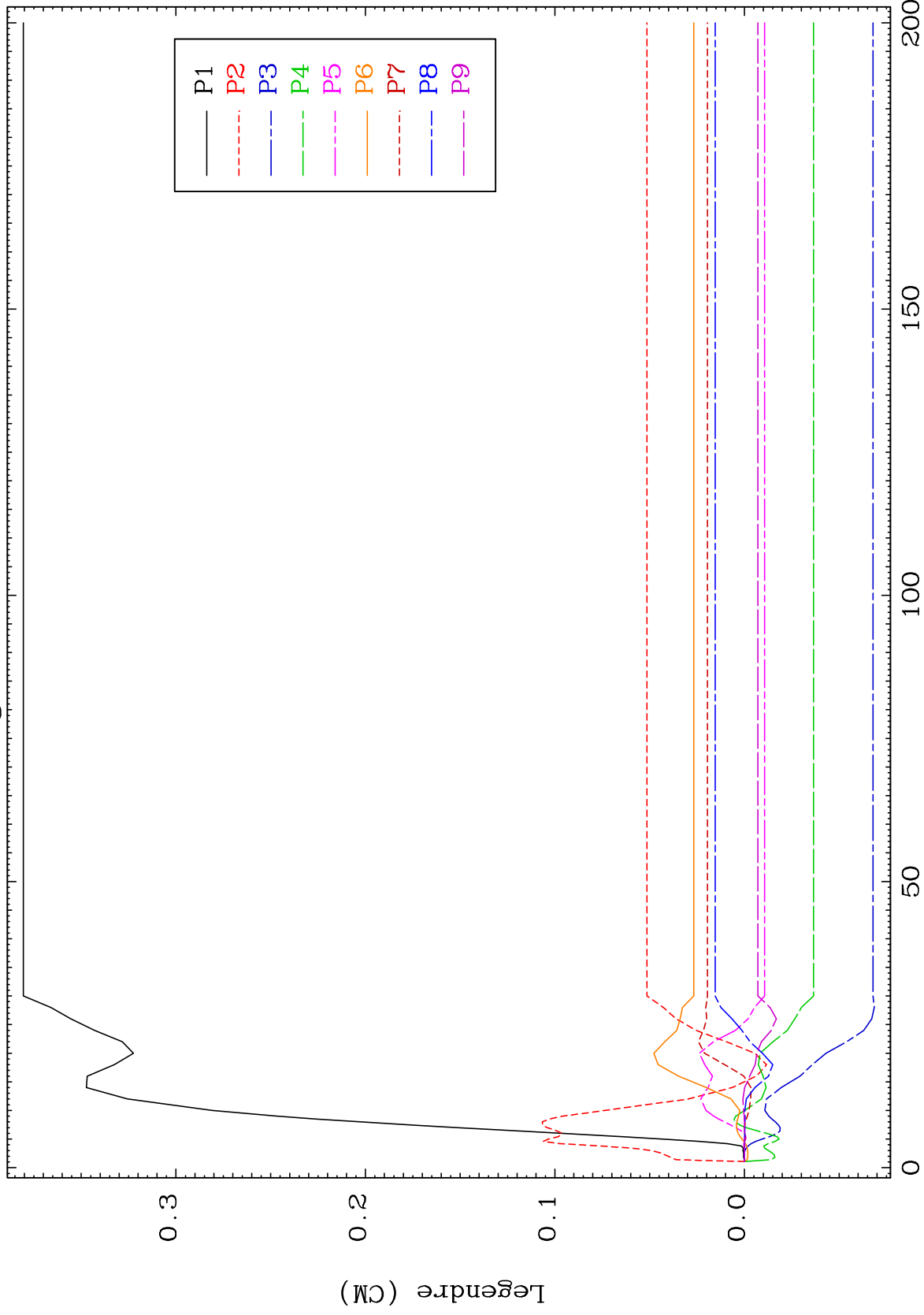




MAT 7237

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

72-Hf-178



32

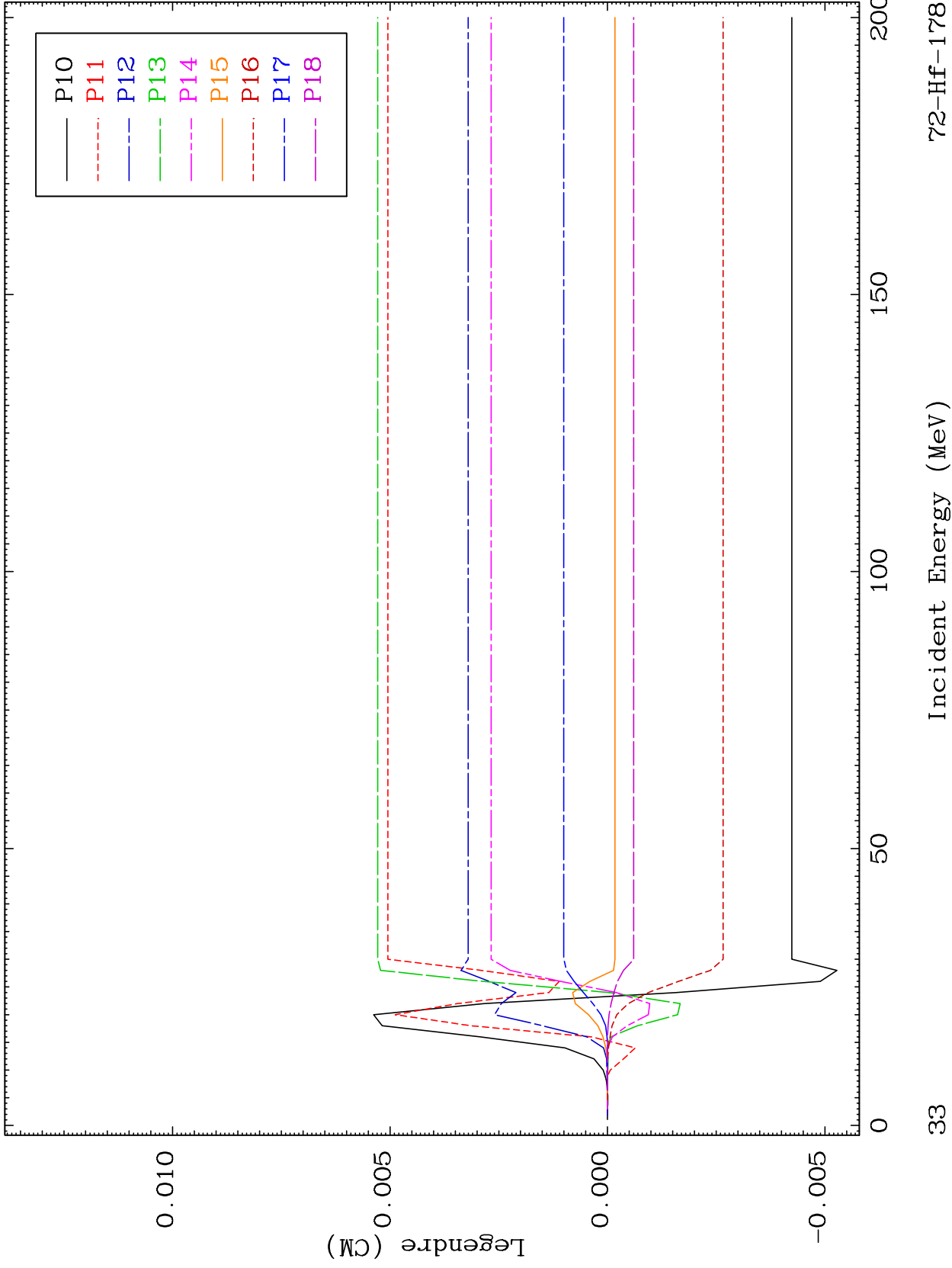
Incident Energy (MeV)

72-Hf-178

MAT 7237

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

72-Hf-178



33

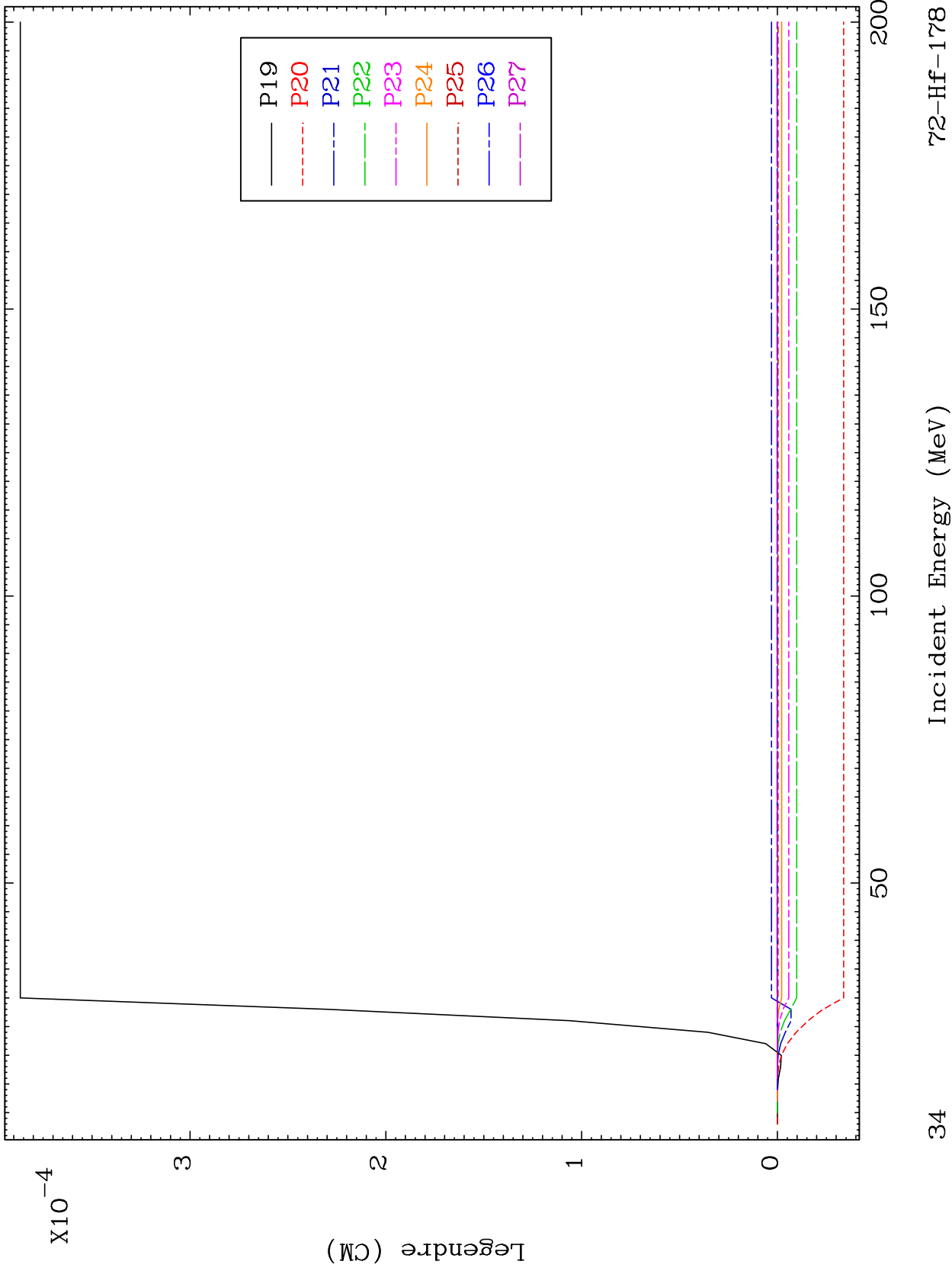
Incident Energy (MeV)

72-Hf-178

MAT 7237

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

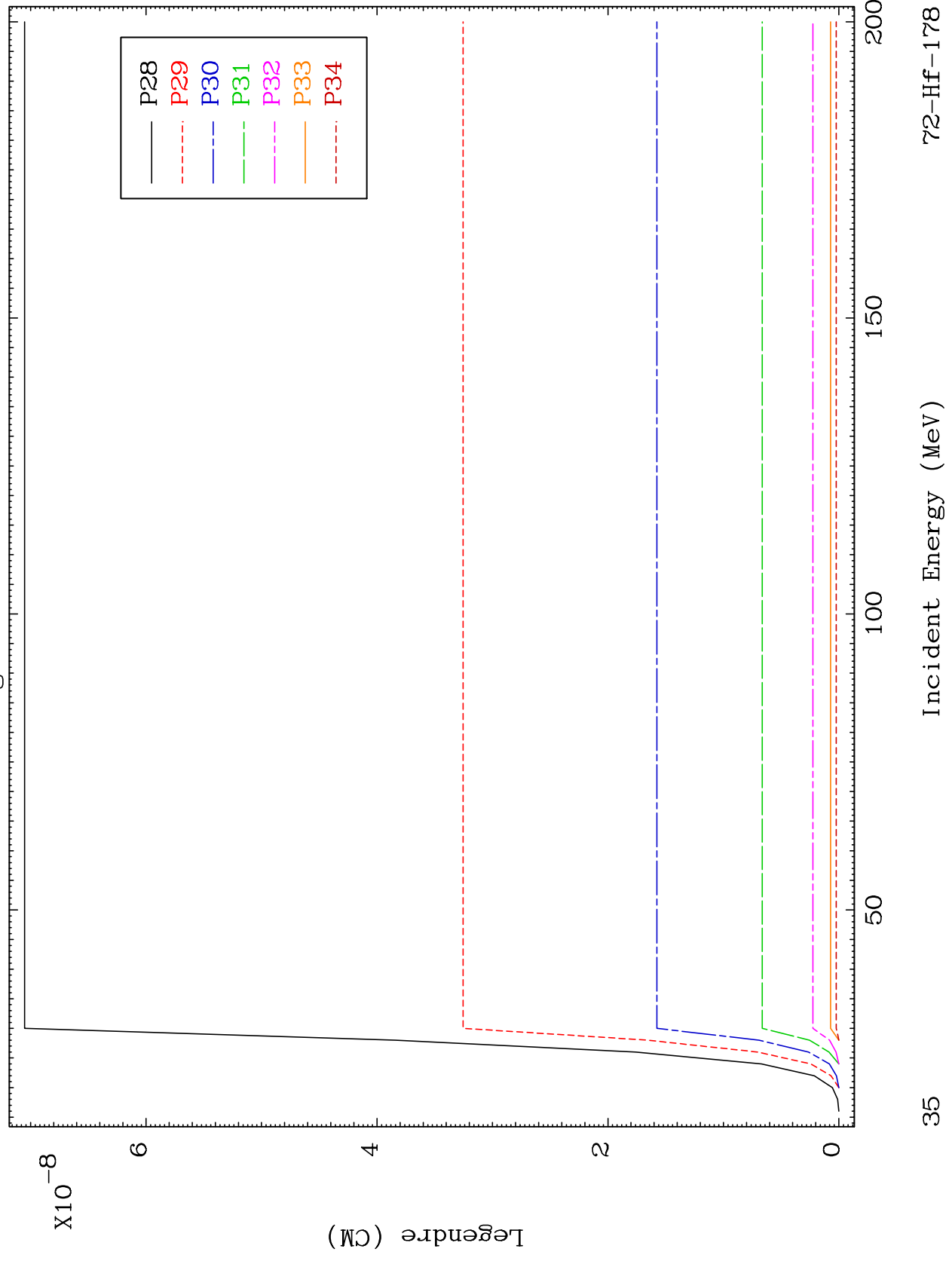
72-Hf-178



MAT 7237

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

72-Hf-178



72-Hf-178

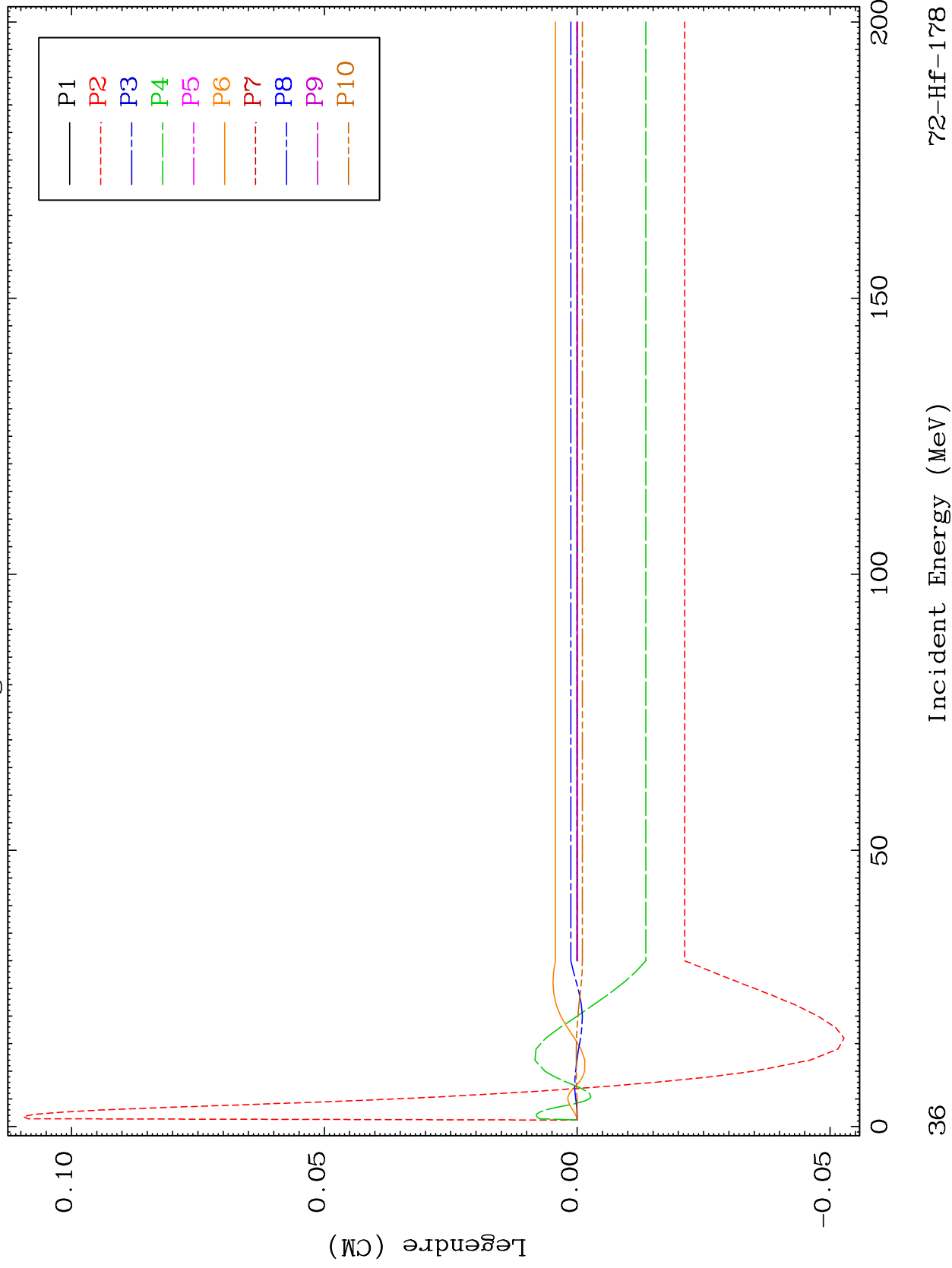
Incident Energy (MeV)

35

MAT 7237

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

72-Hf-178



72-Hf-178

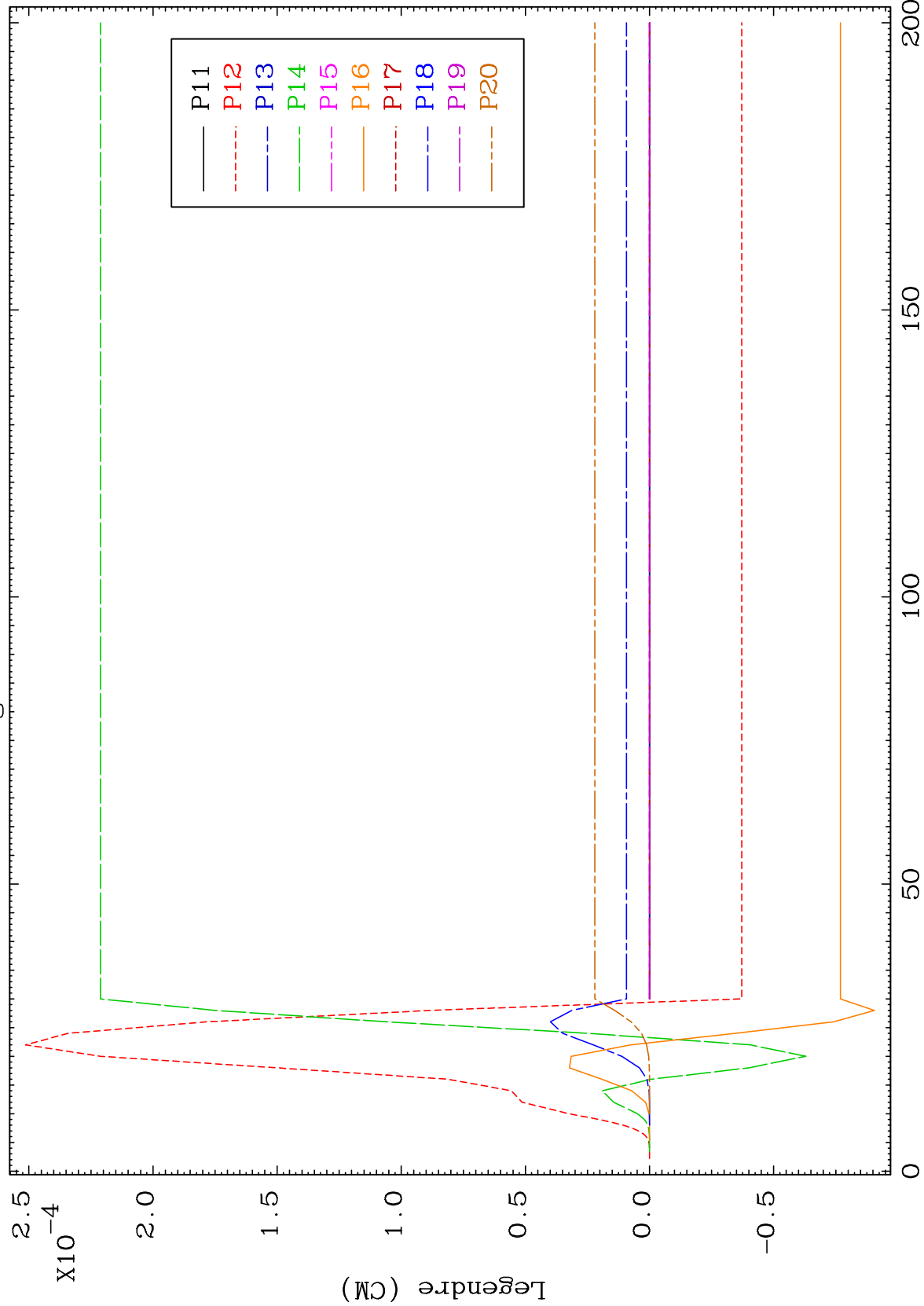
Incident Energy (MeV)

36

MAT 7237

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

72-Hf-178



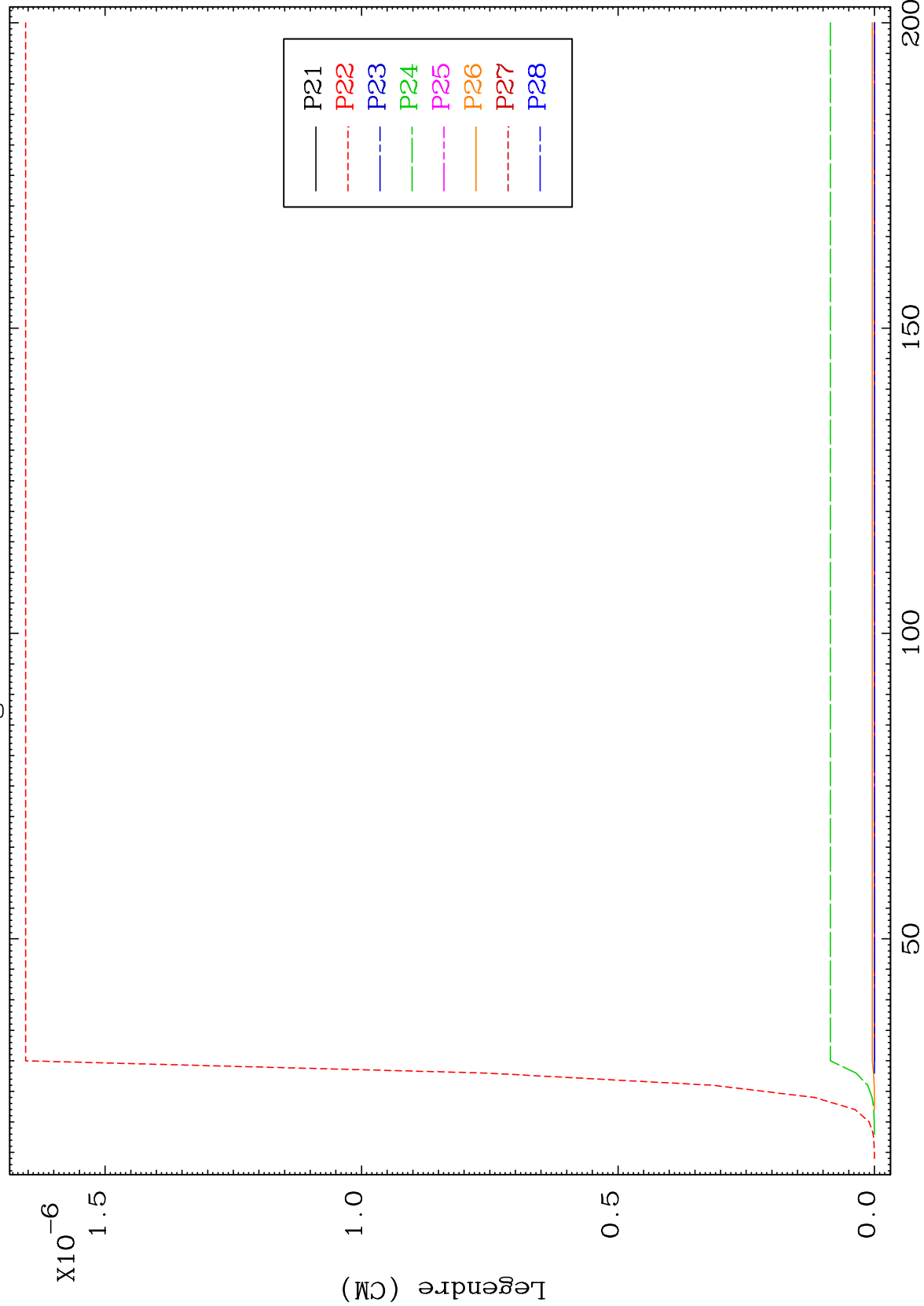
37

72-Hf-178

MAT 7237

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

72-Hf-178



38

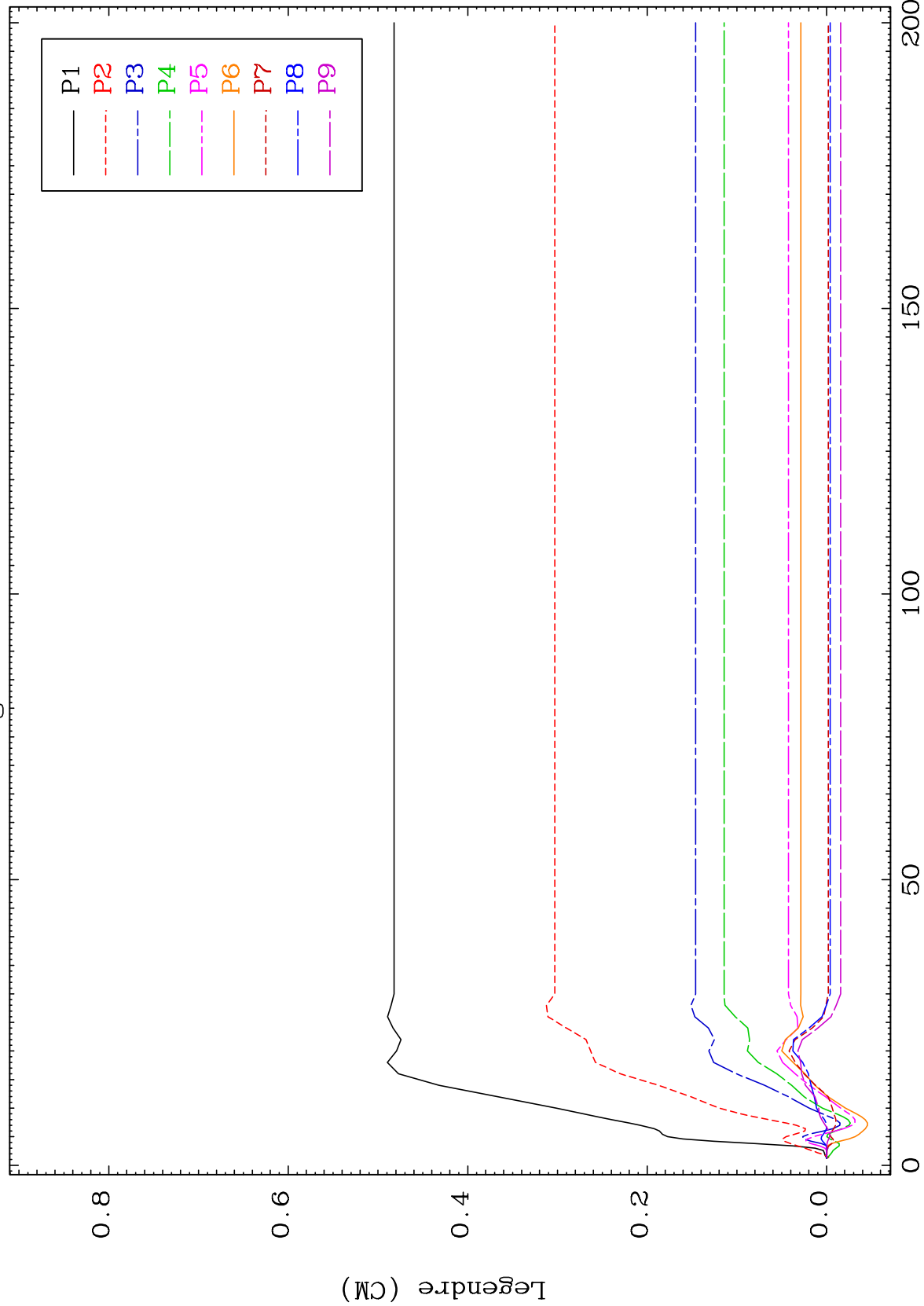
Incident Energy (MeV)

72-Hf-178

MAT 7237

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

72-Hf-178



39

Incident Energy (MeV)

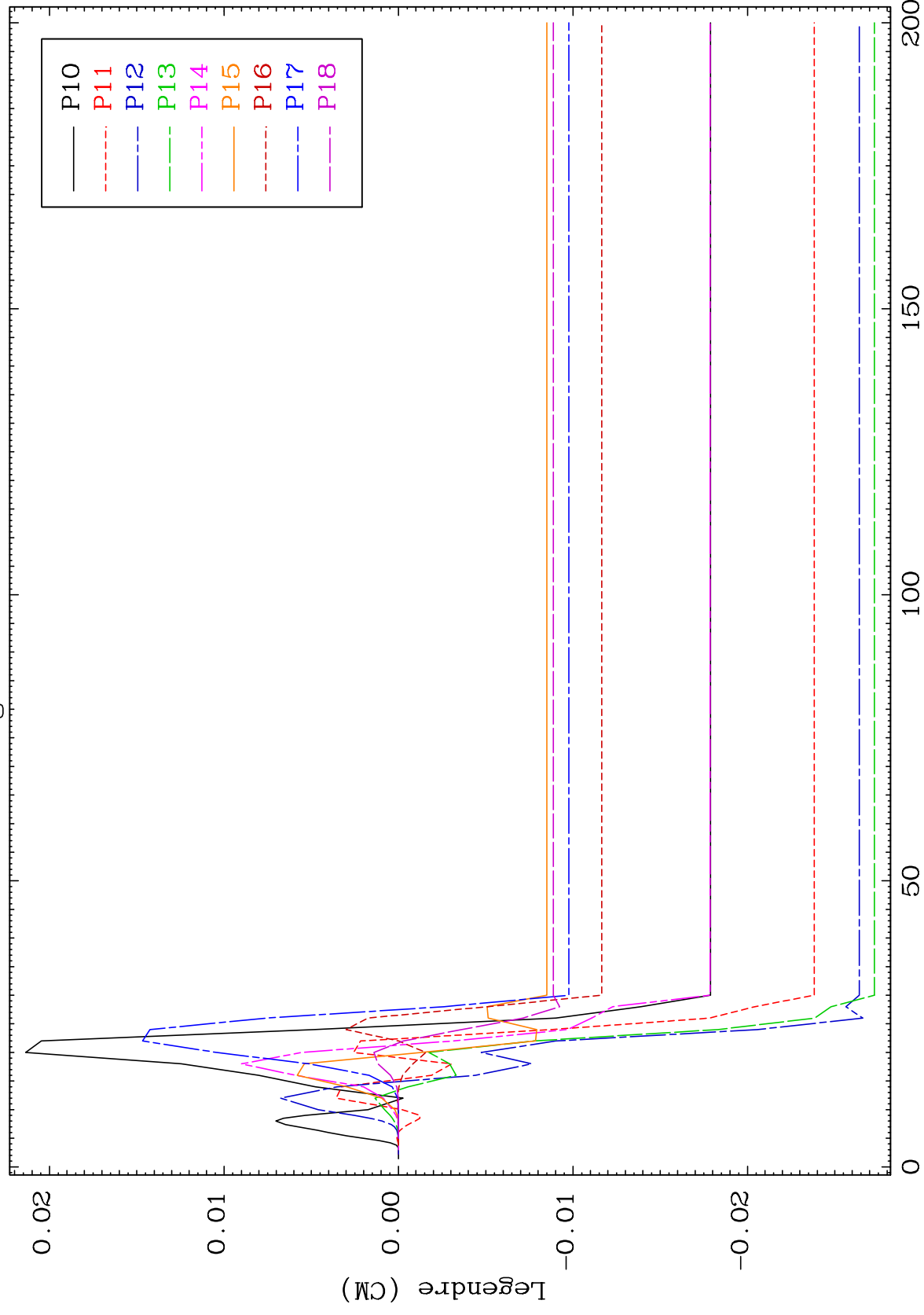
72-Hf-178



MAT 7237

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

72-Hf-178



72-Hf-178

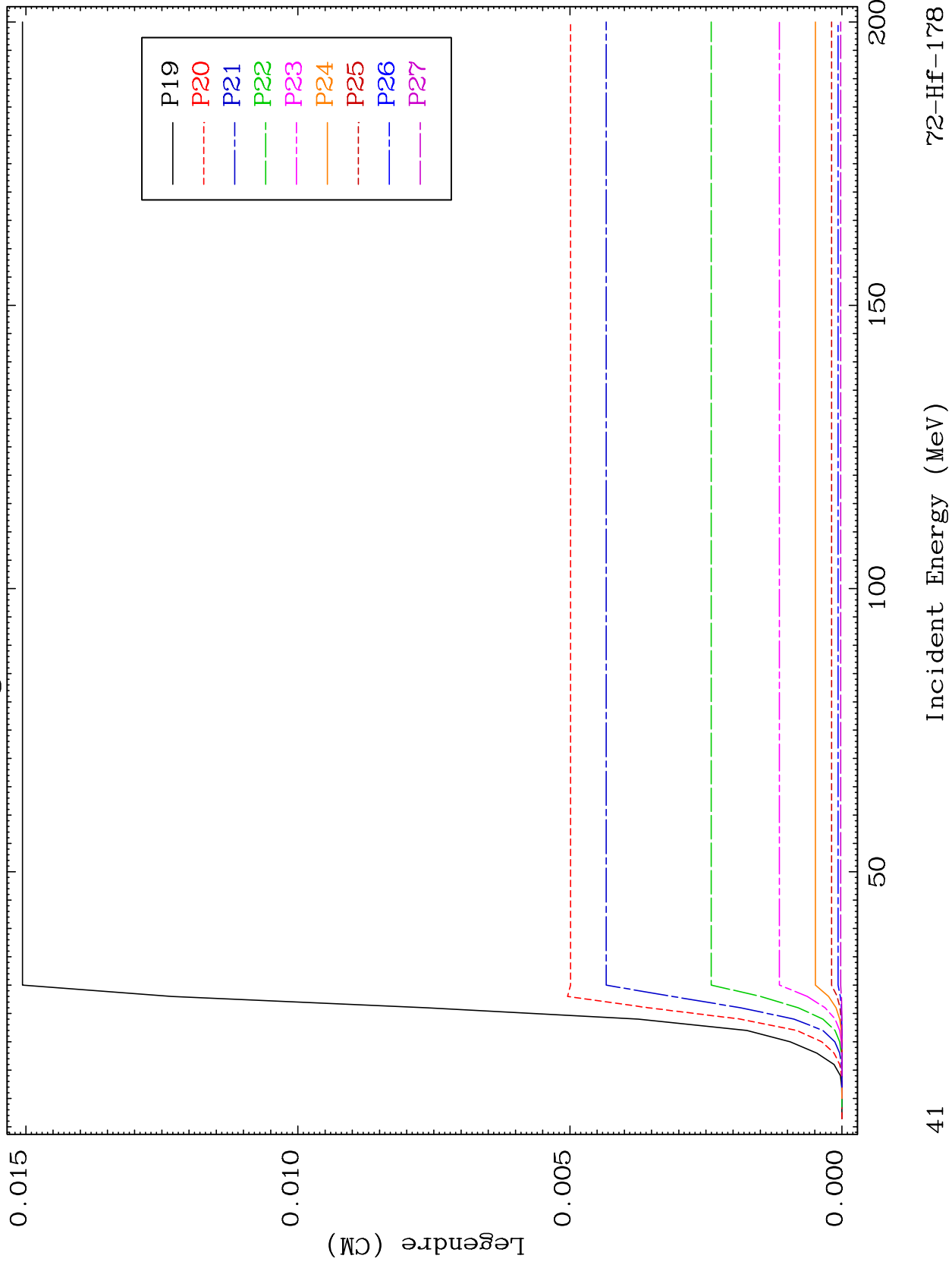
Incident Energy (MeV)

40

MAT 7237

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

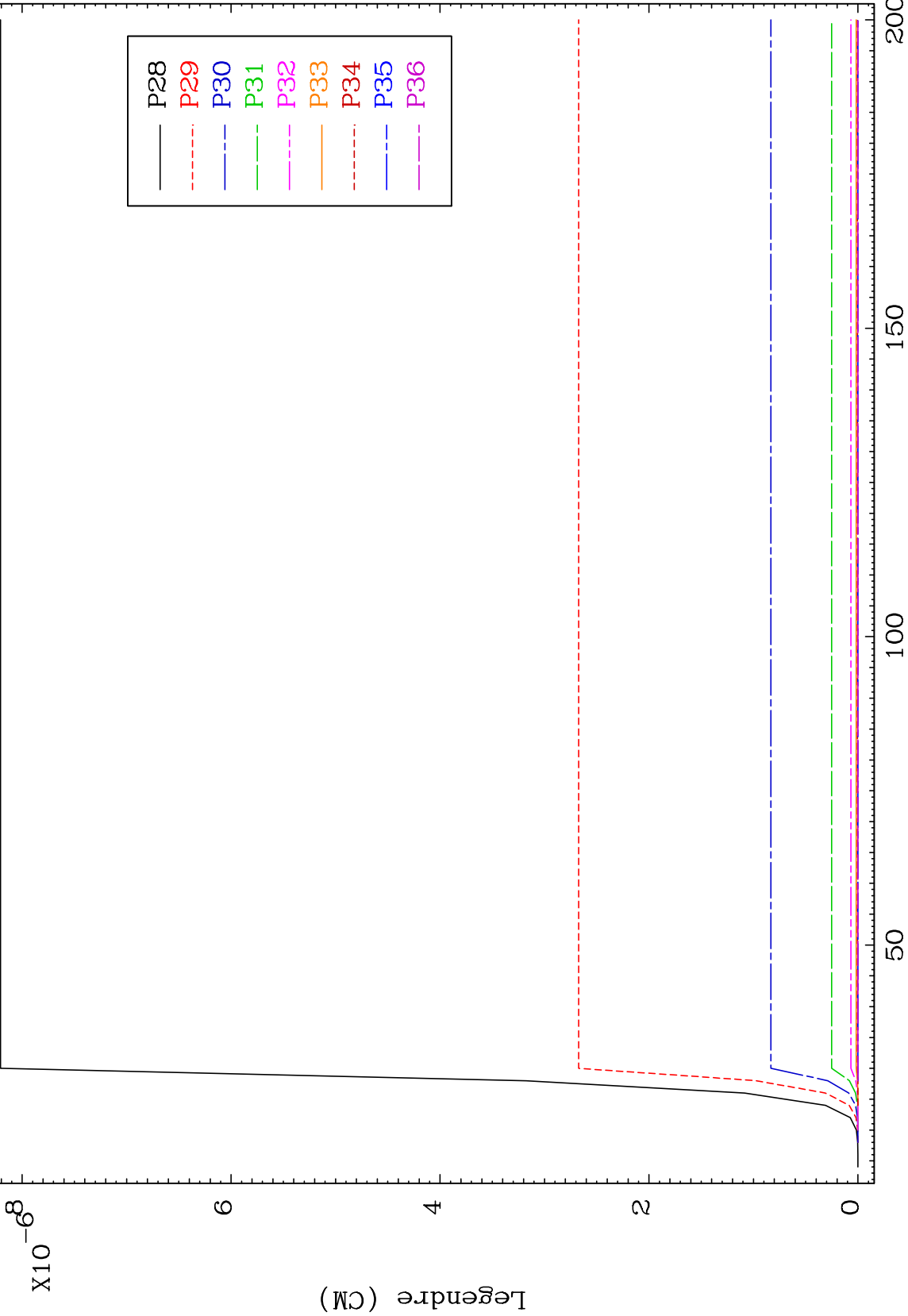
72-Hf-178



MAT 7237

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

72-Hf-178



42

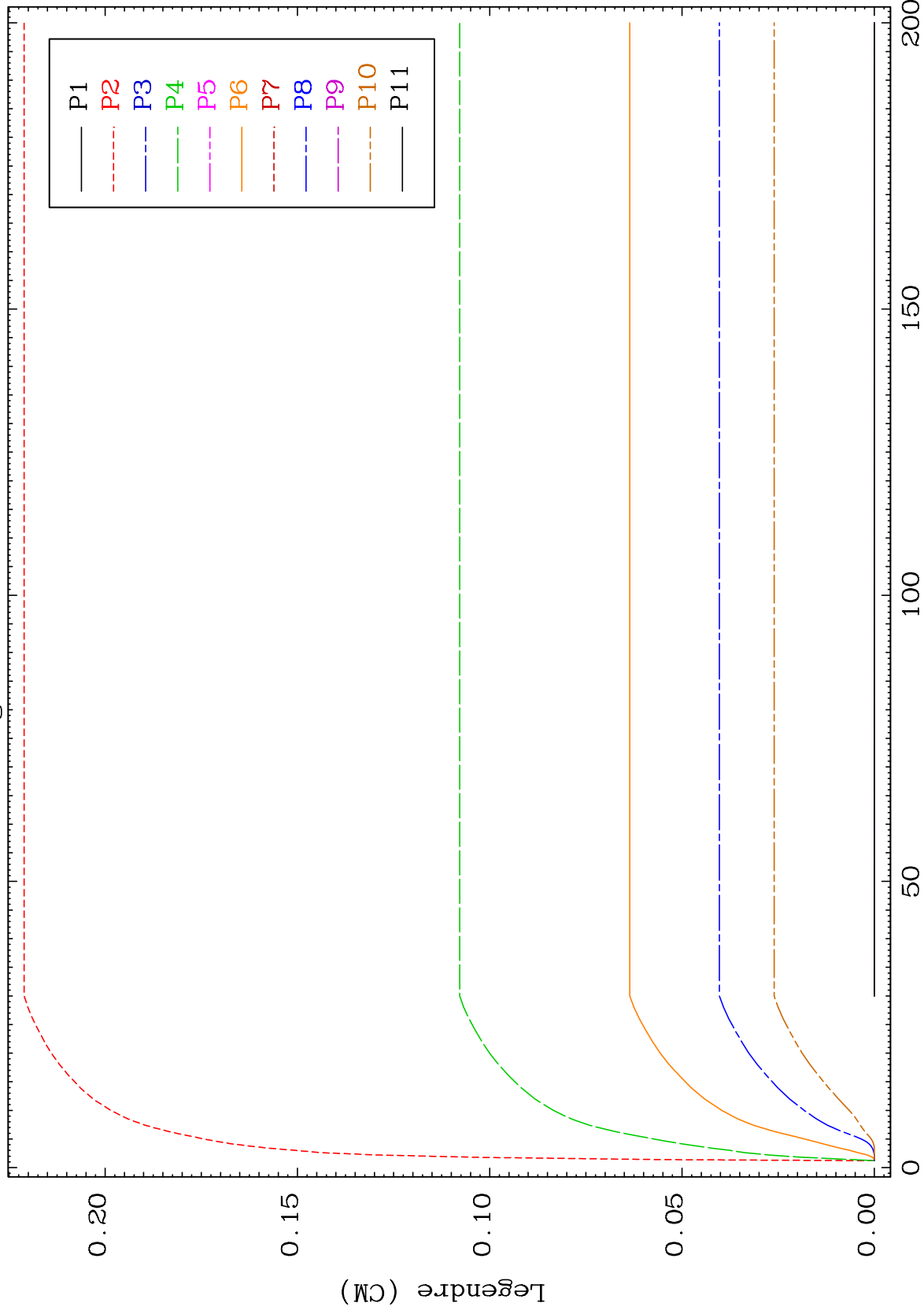
Incident Energy (MeV)

72-Hf-178

MAT 7237

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

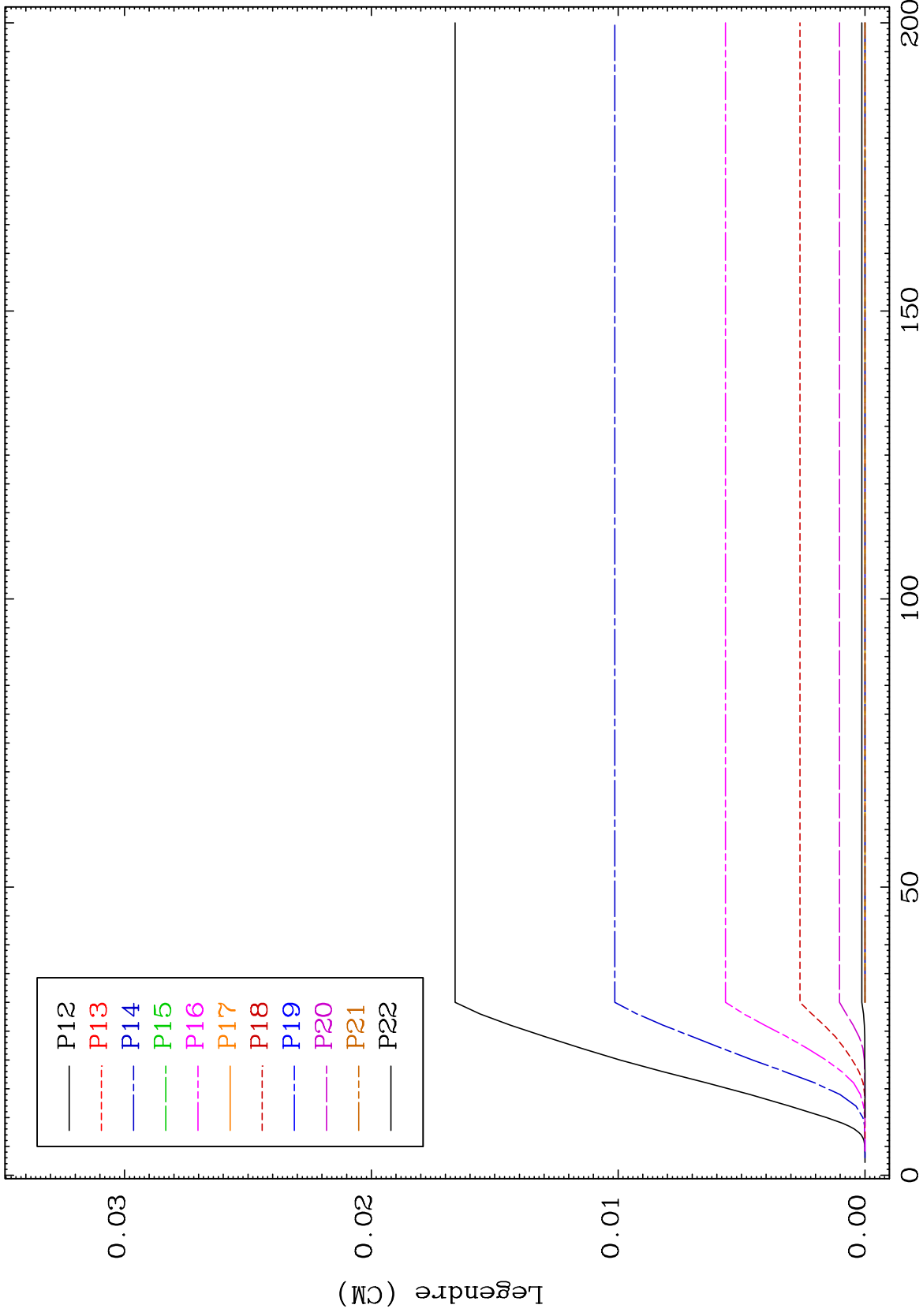
72-Hf-178



43

Incident Energy (MeV)

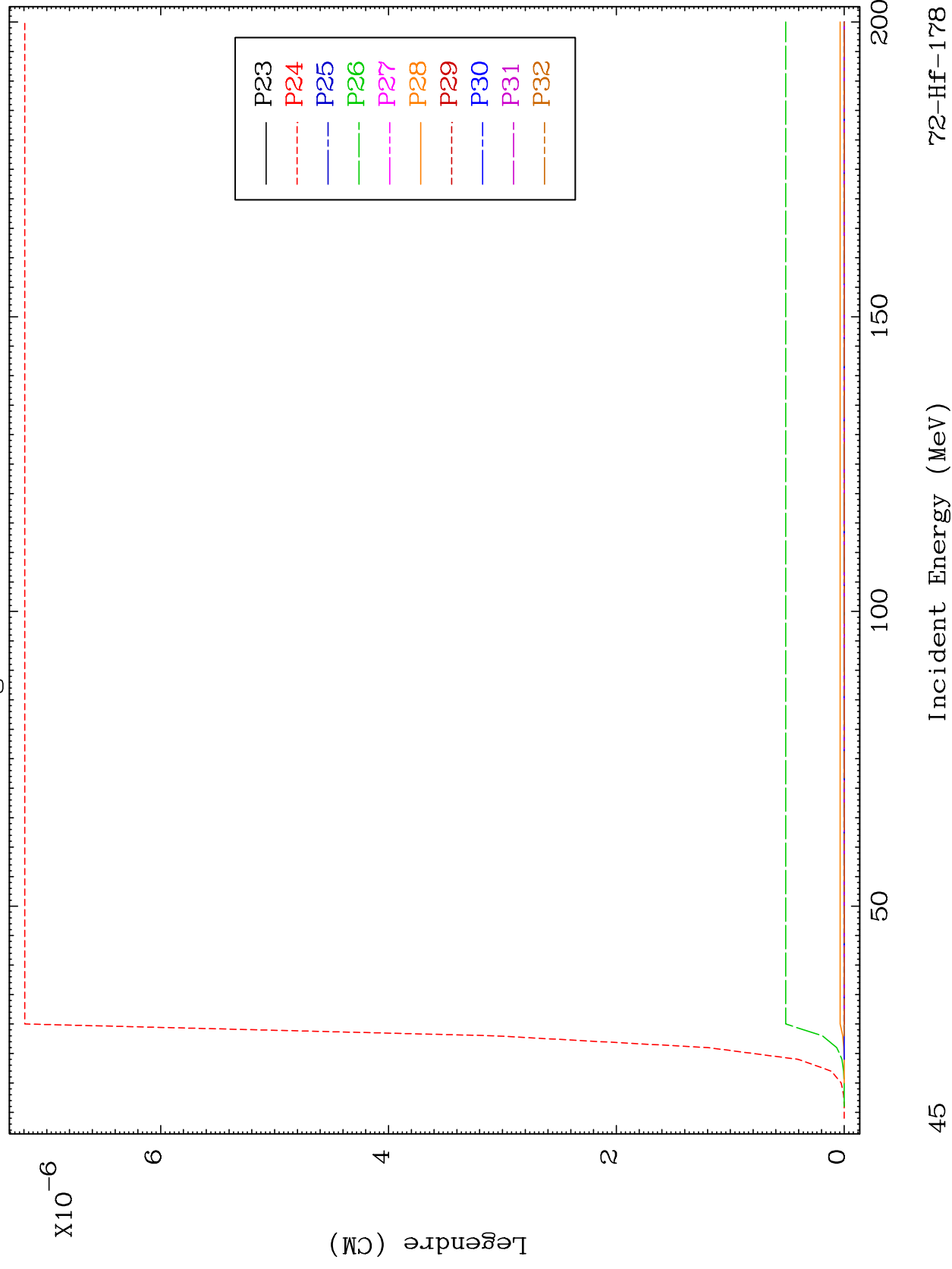
72-Hf-178



MAT 7237

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

72-Hf-178



72-Hf-178

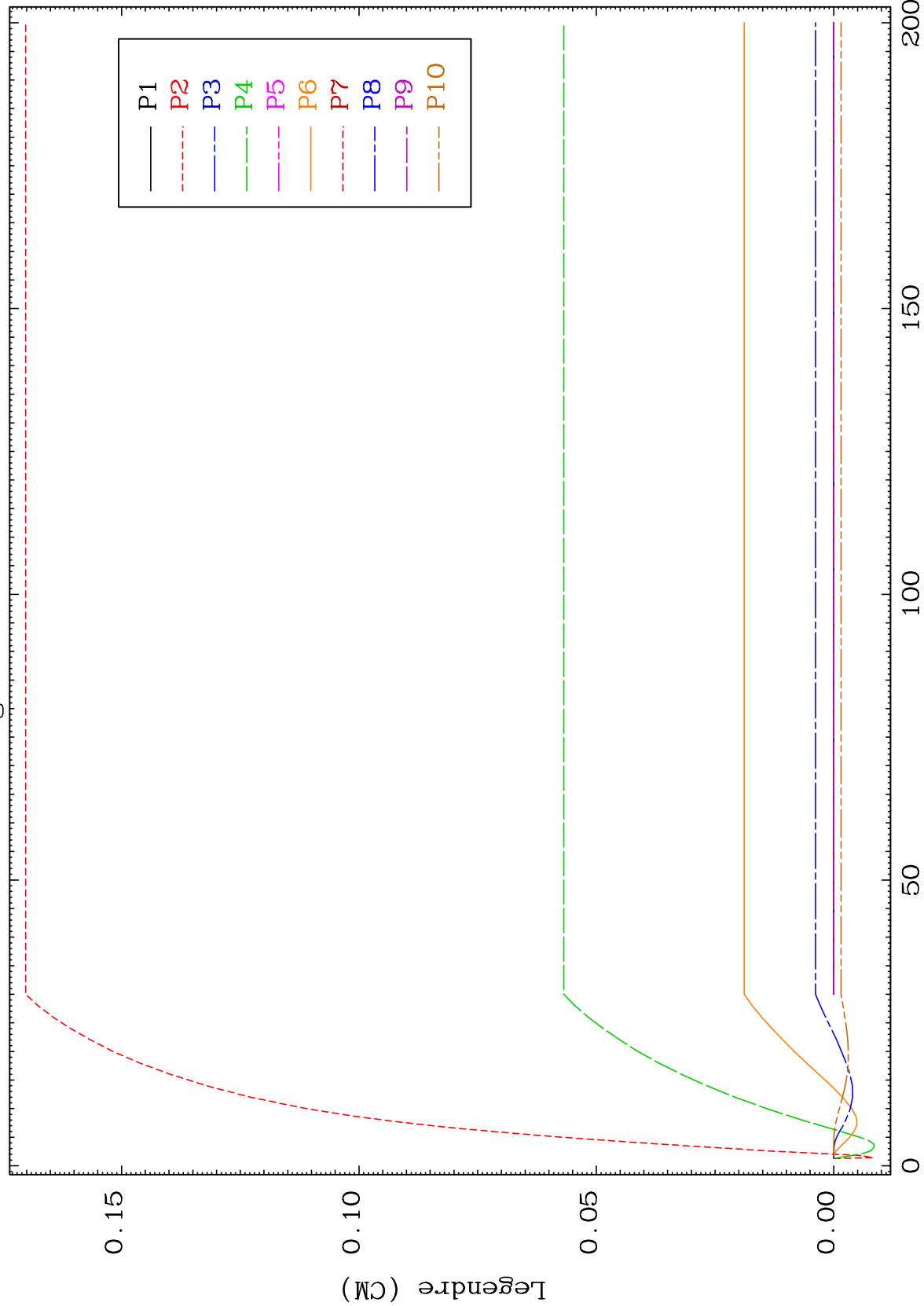
Incident Energy (MeV)

45

MAT 7237

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

72-Hf-178



72-Hf-178

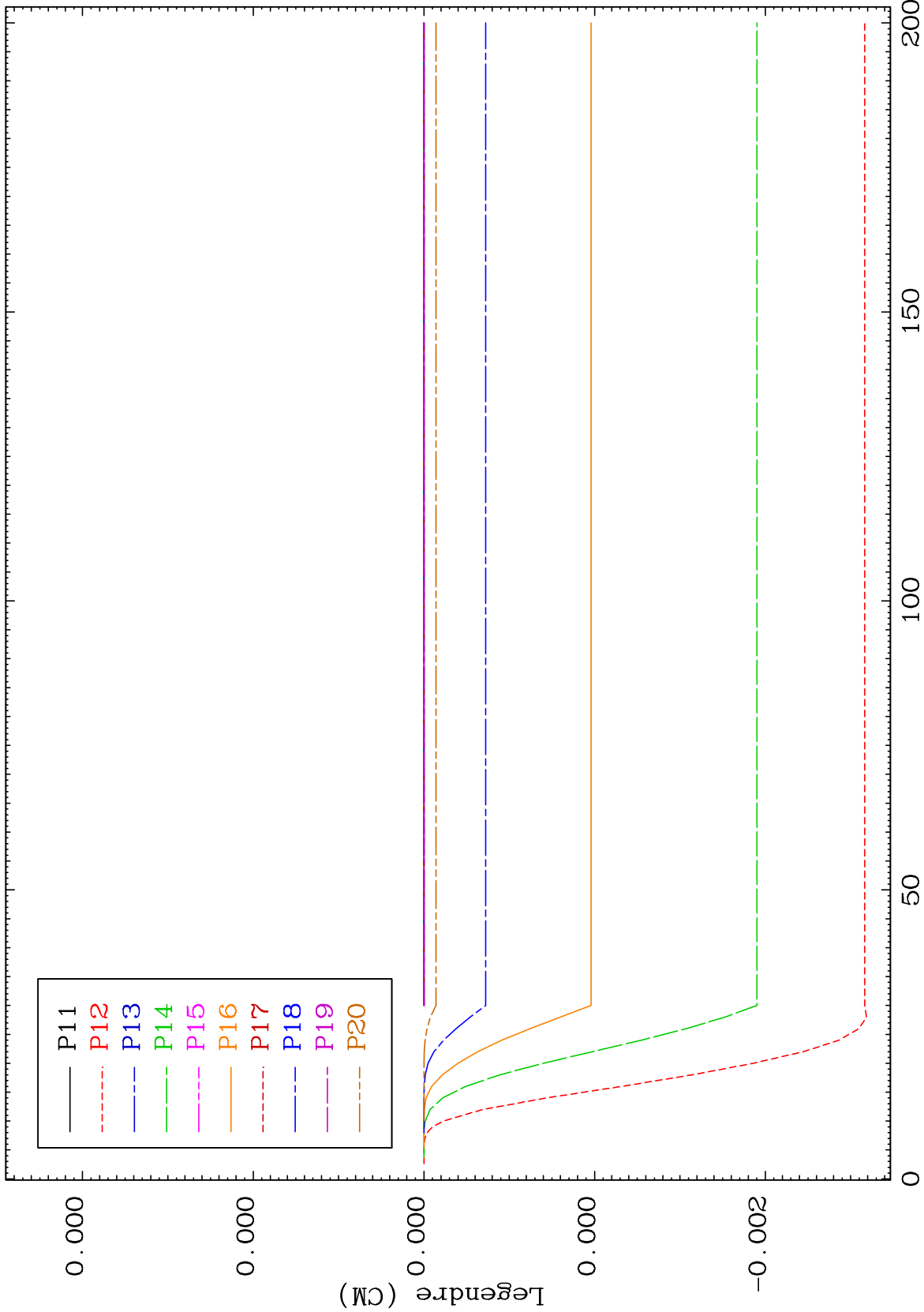
Incident Energy (MeV)

46

MAT 7237

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

72-Hf-178

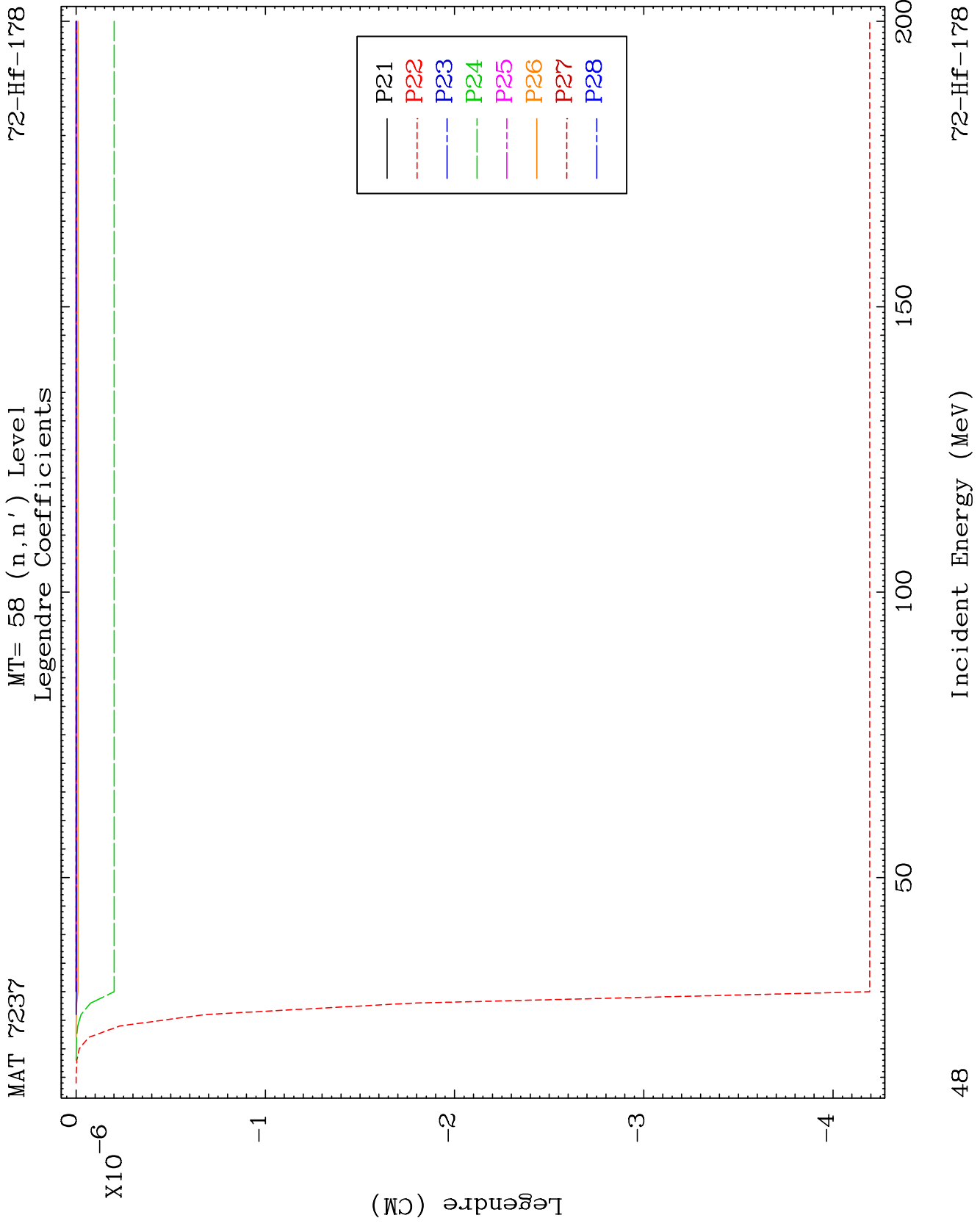


47

Incident Energy (MeV)

72-Hf-178

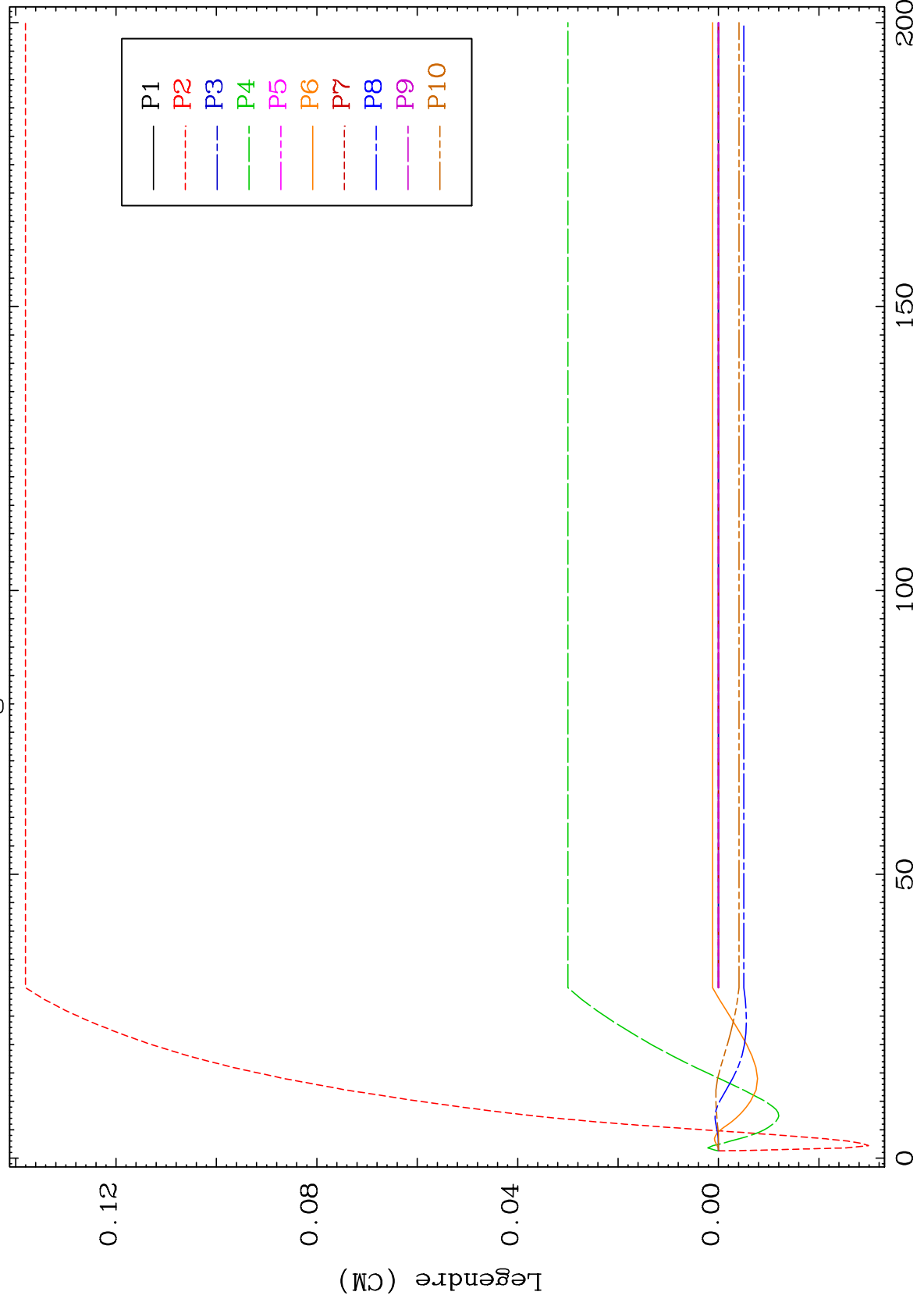




MAT 7237

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

72-Hf-178



72-Hf-178

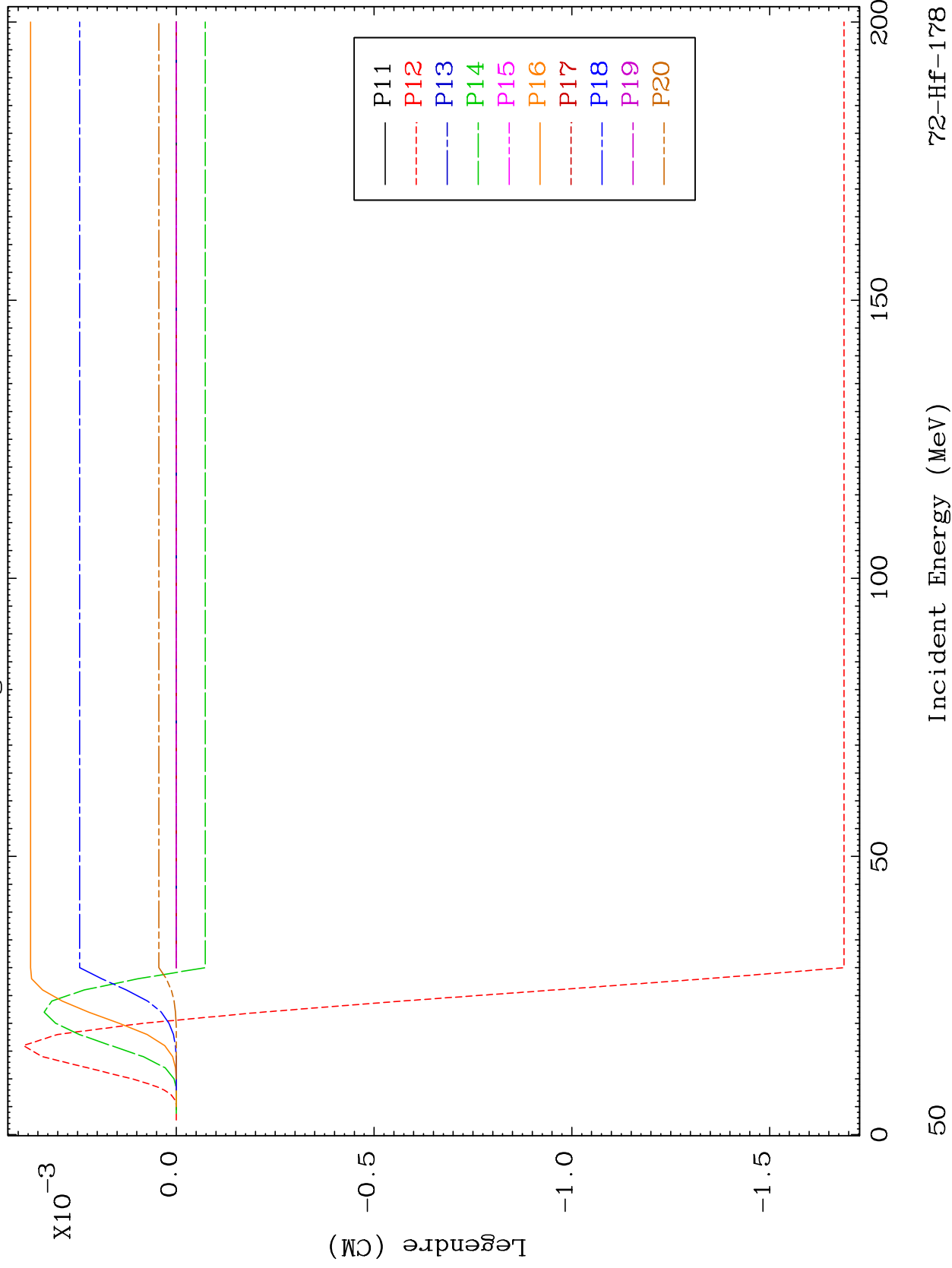
Incident Energy (MeV)

49

MAT 7237

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

72-Hf-178



72-Hf-178

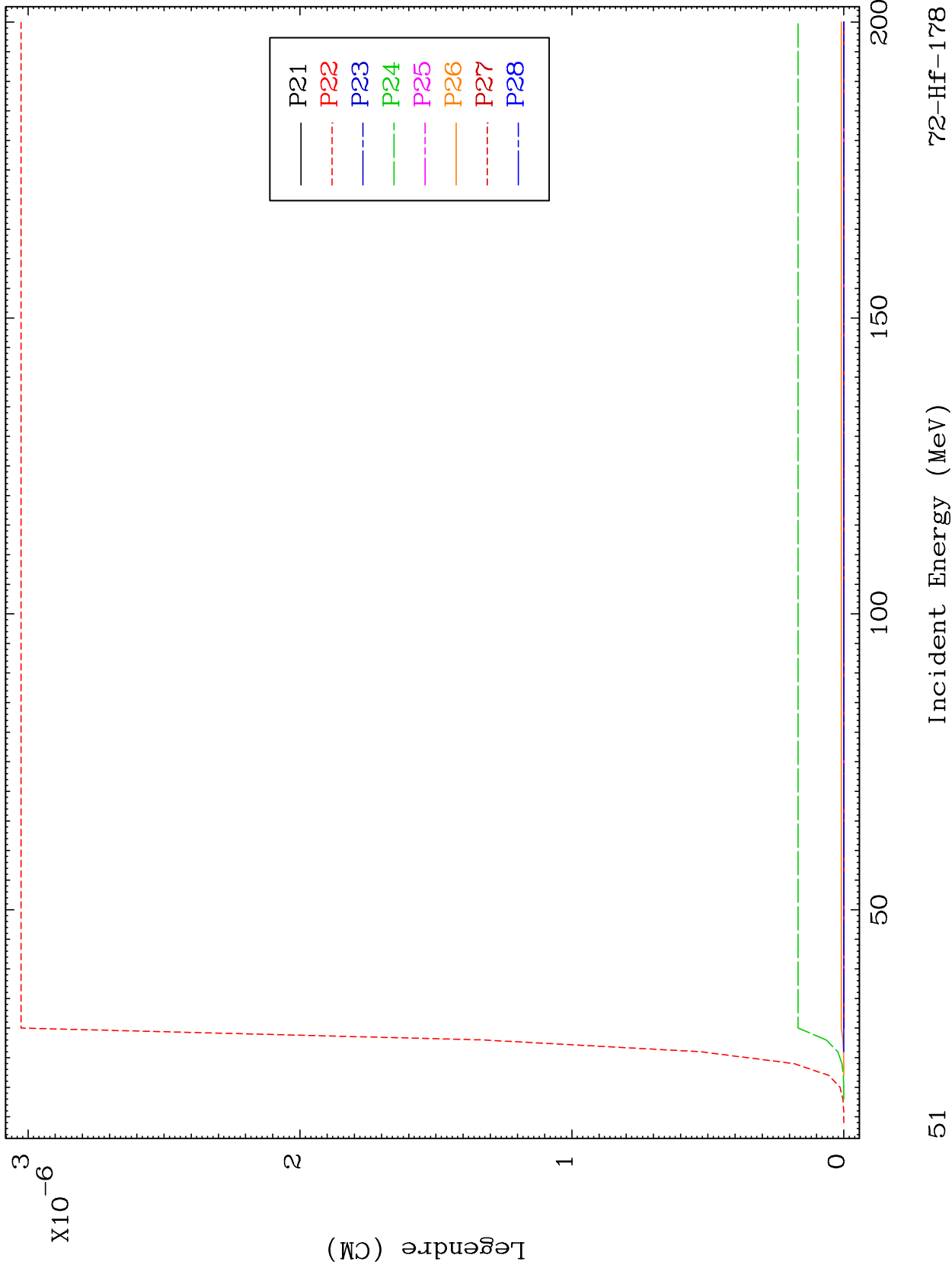
Incident Energy (MeV)

50

MAT 7237

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

72-Hf-178



51

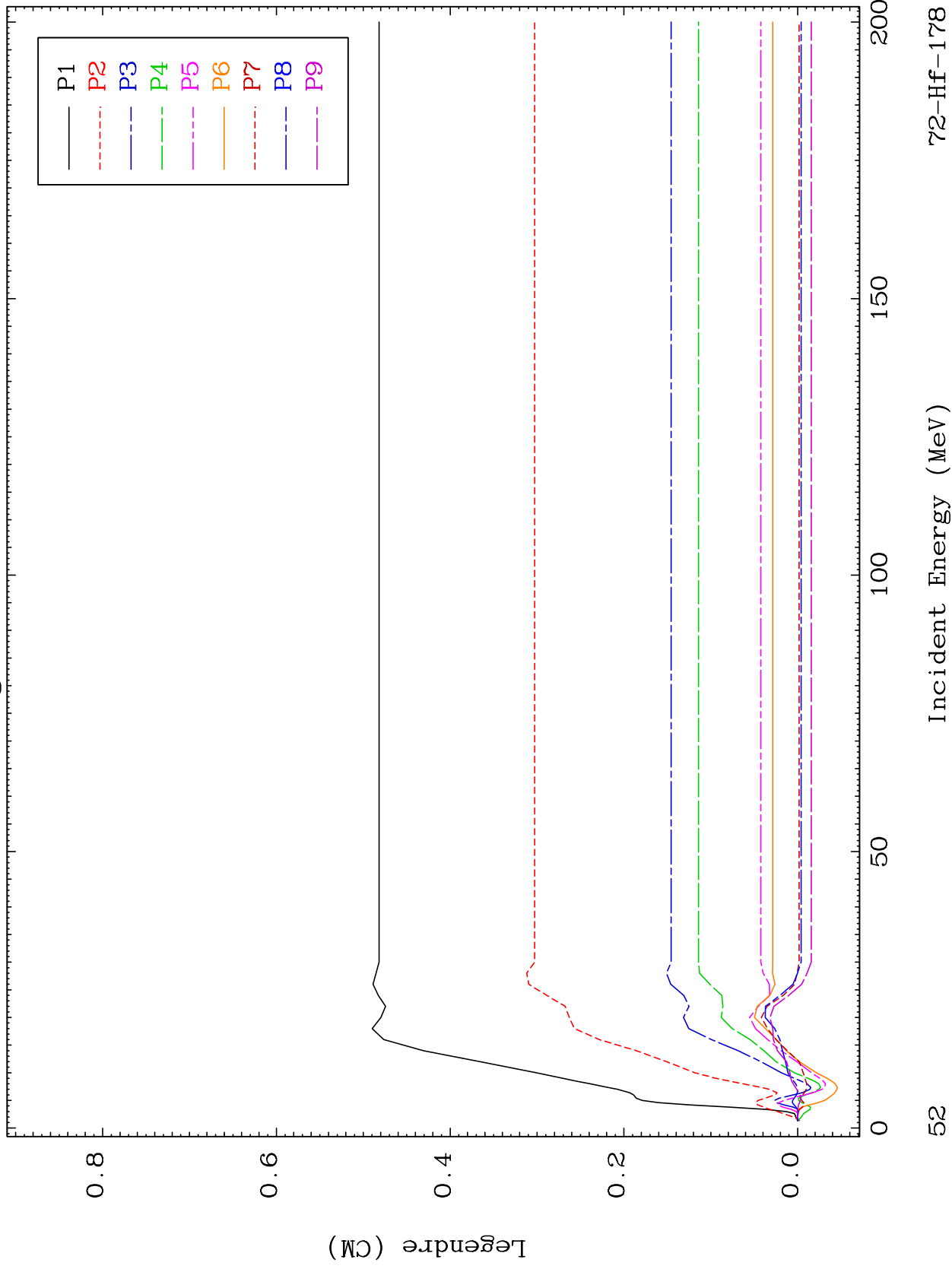
Incident Energy (MeV)

72-Hf-178

MAT 7237

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

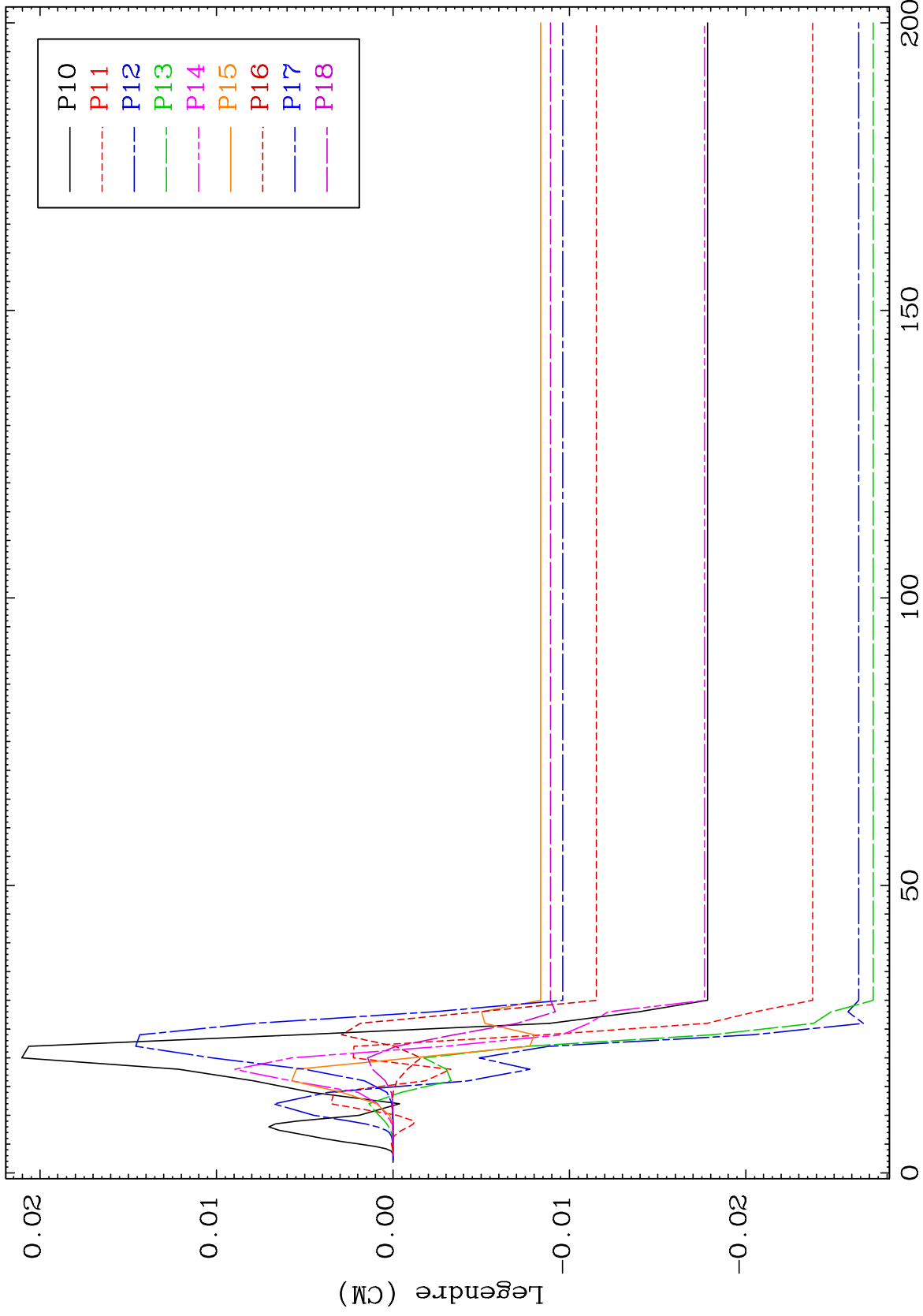
72-Hf-178



MAT 7237

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

72-Hf-178



53

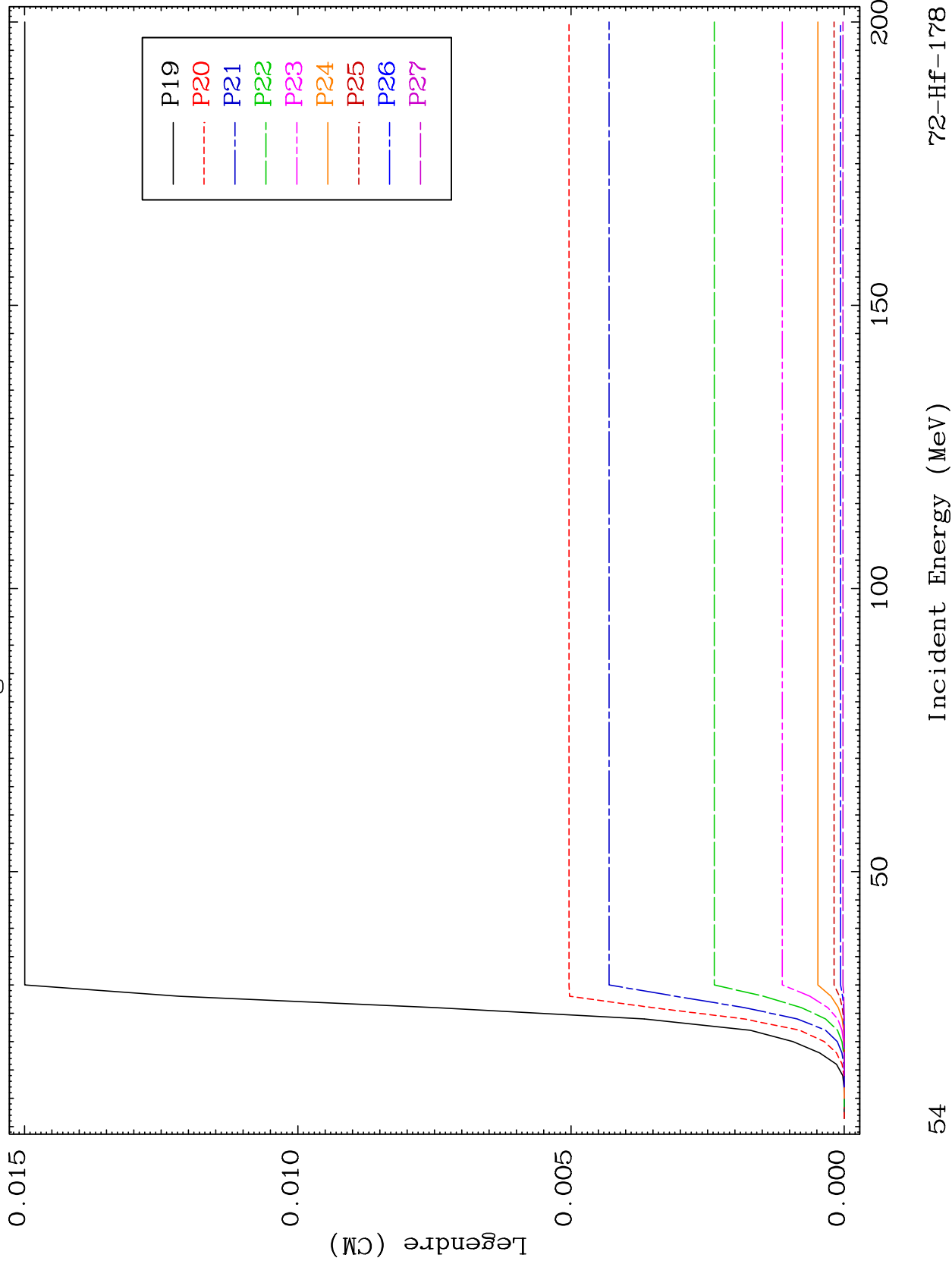
Incident Energy (MeV)

72-Hf-178

MAT 7237

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

72-Hf-178



54

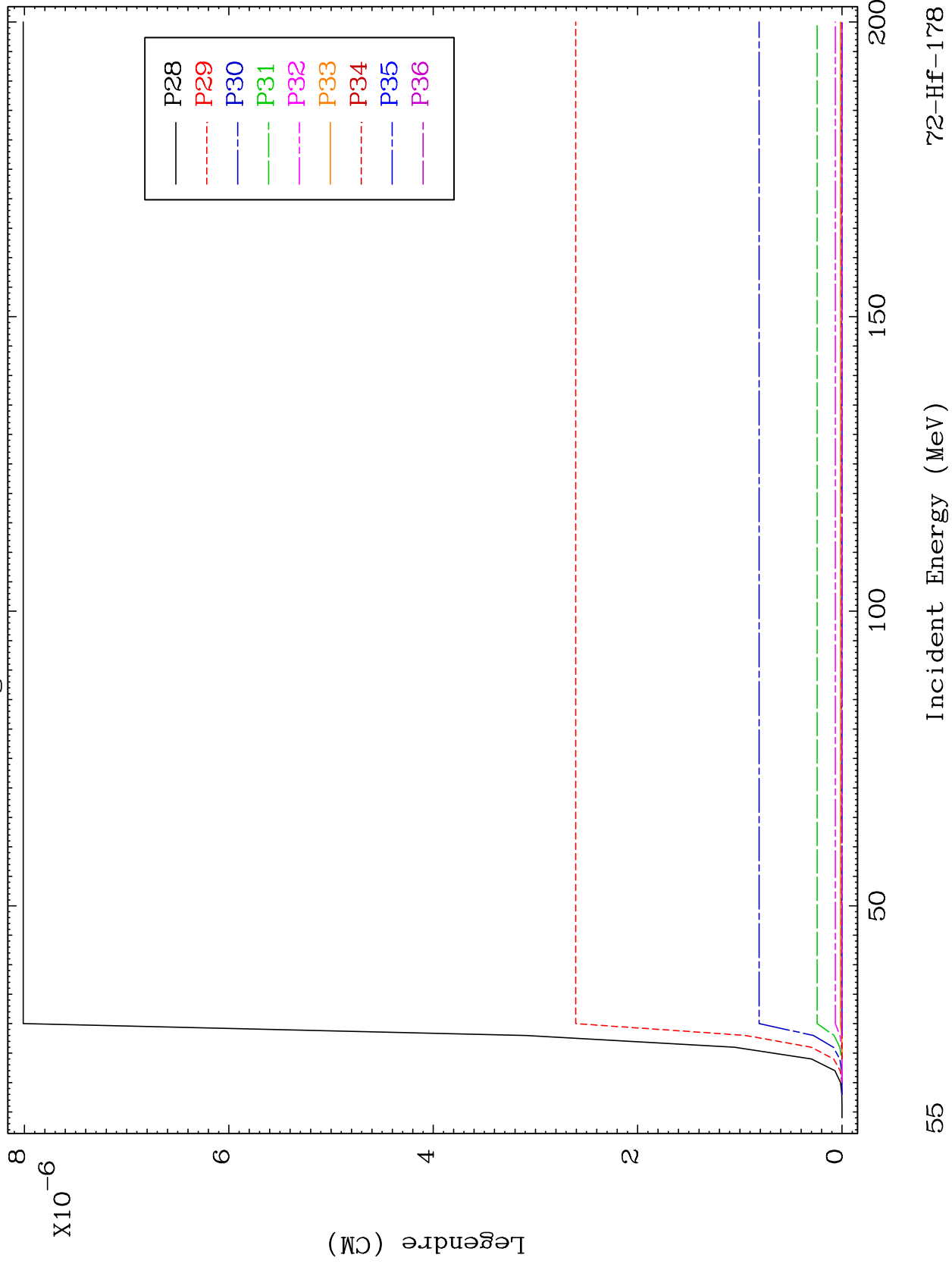
Incident Energy (MeV)

72-Hf-178

MAT 7237

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

72-Hf-178



55

Incident Energy (MeV)

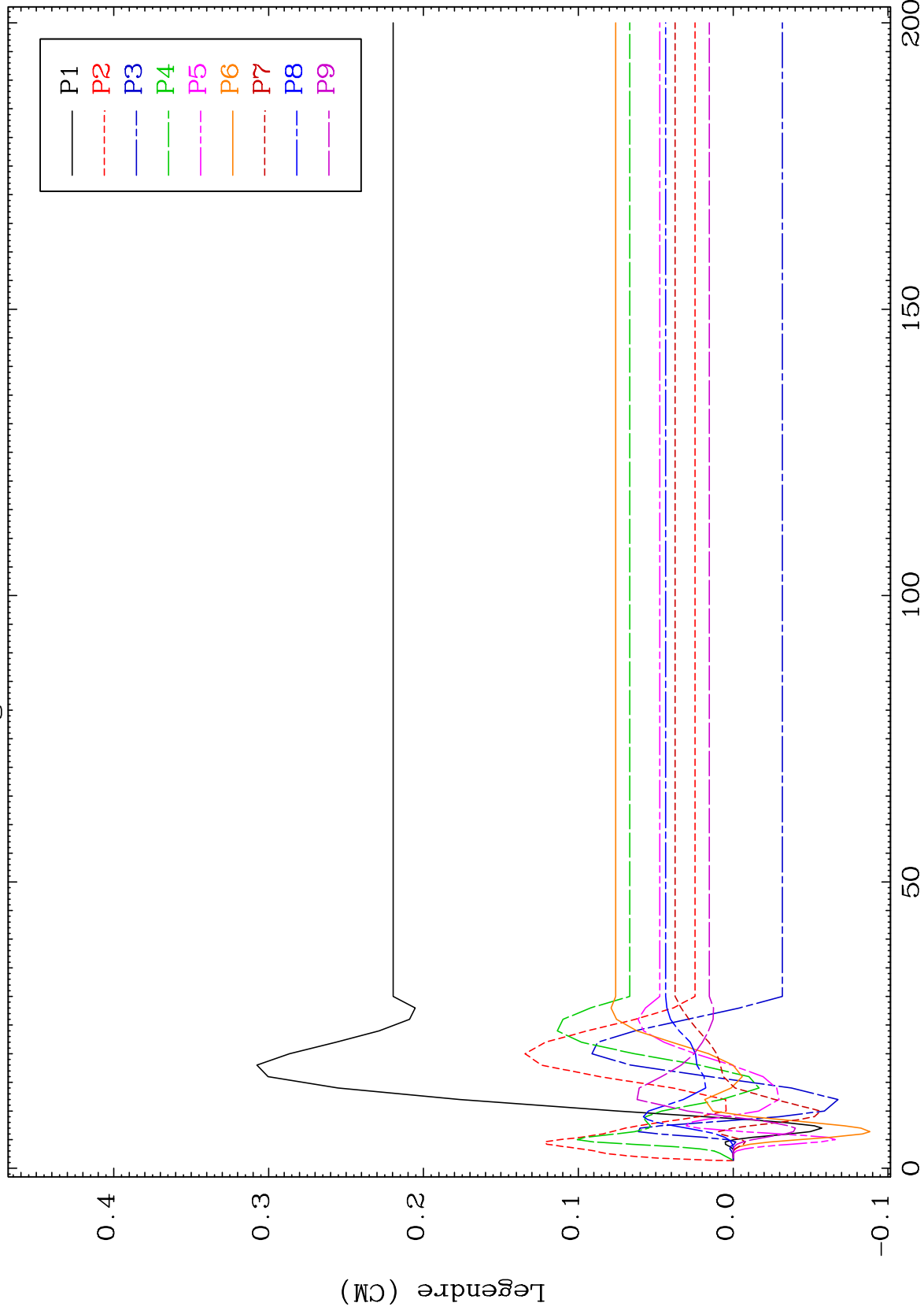
72-Hf-178



MAT 7237

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

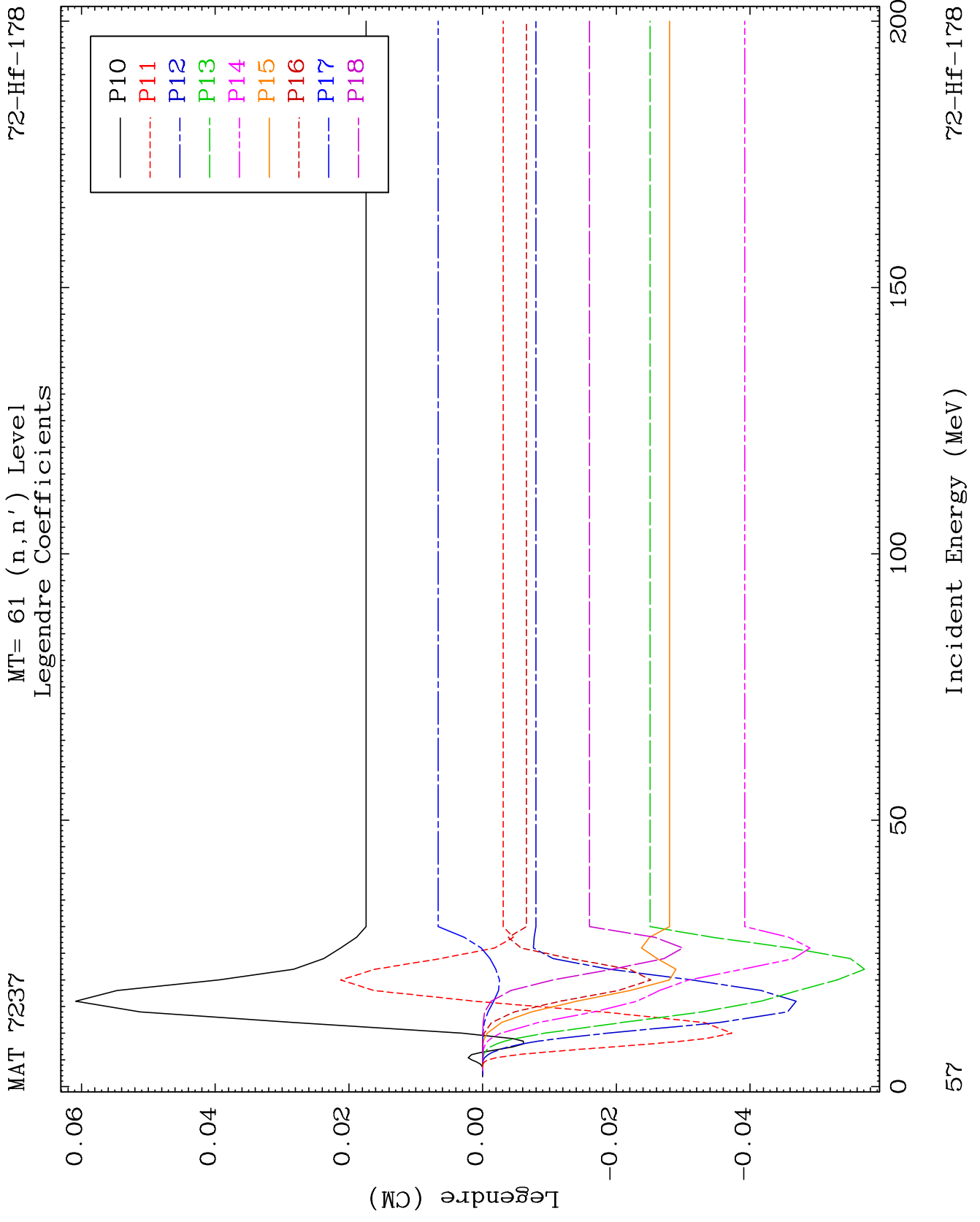
72-Hf-178



56

Incident Energy (MeV)

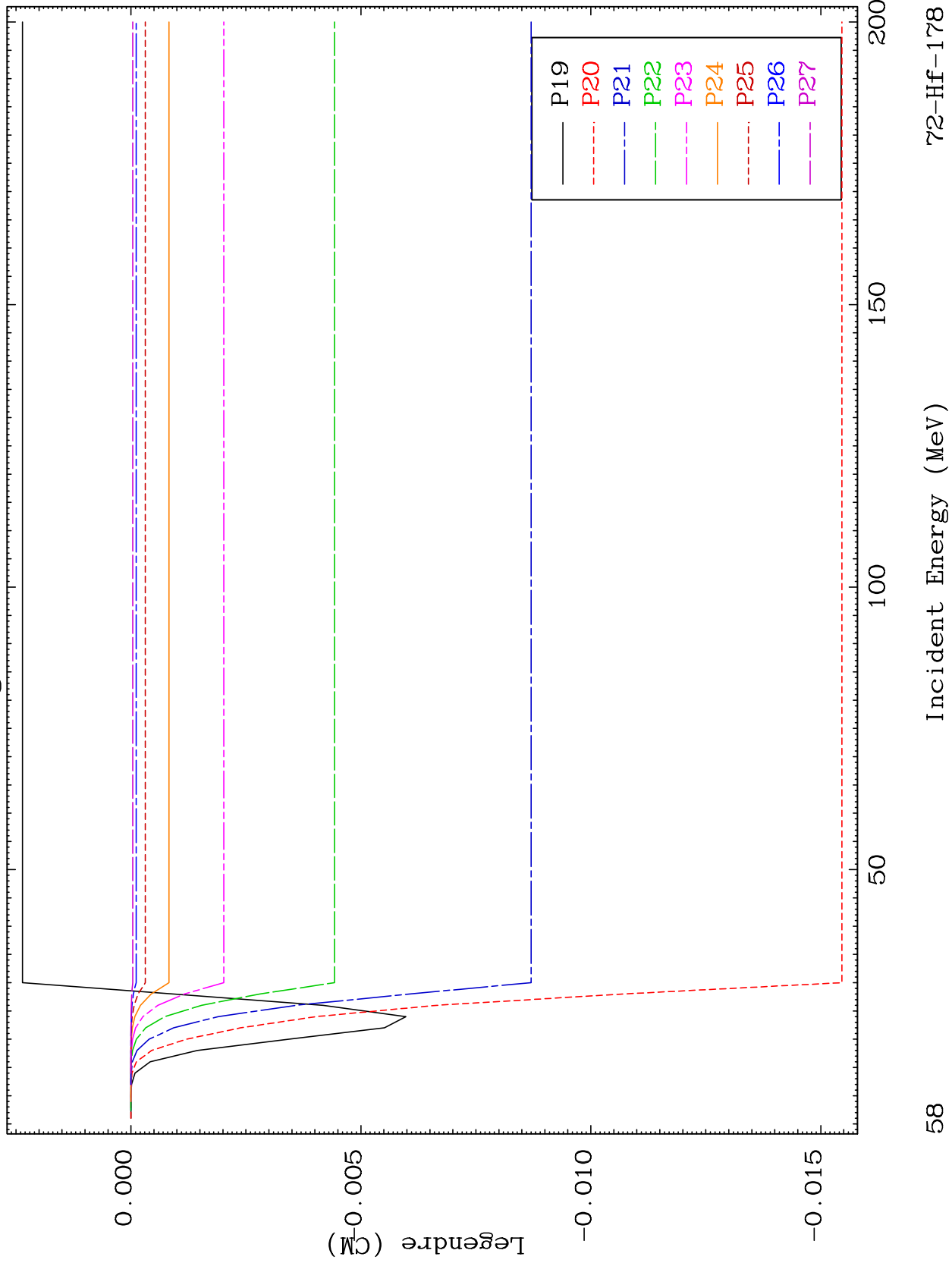
72-Hf-178



MAT 7237

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

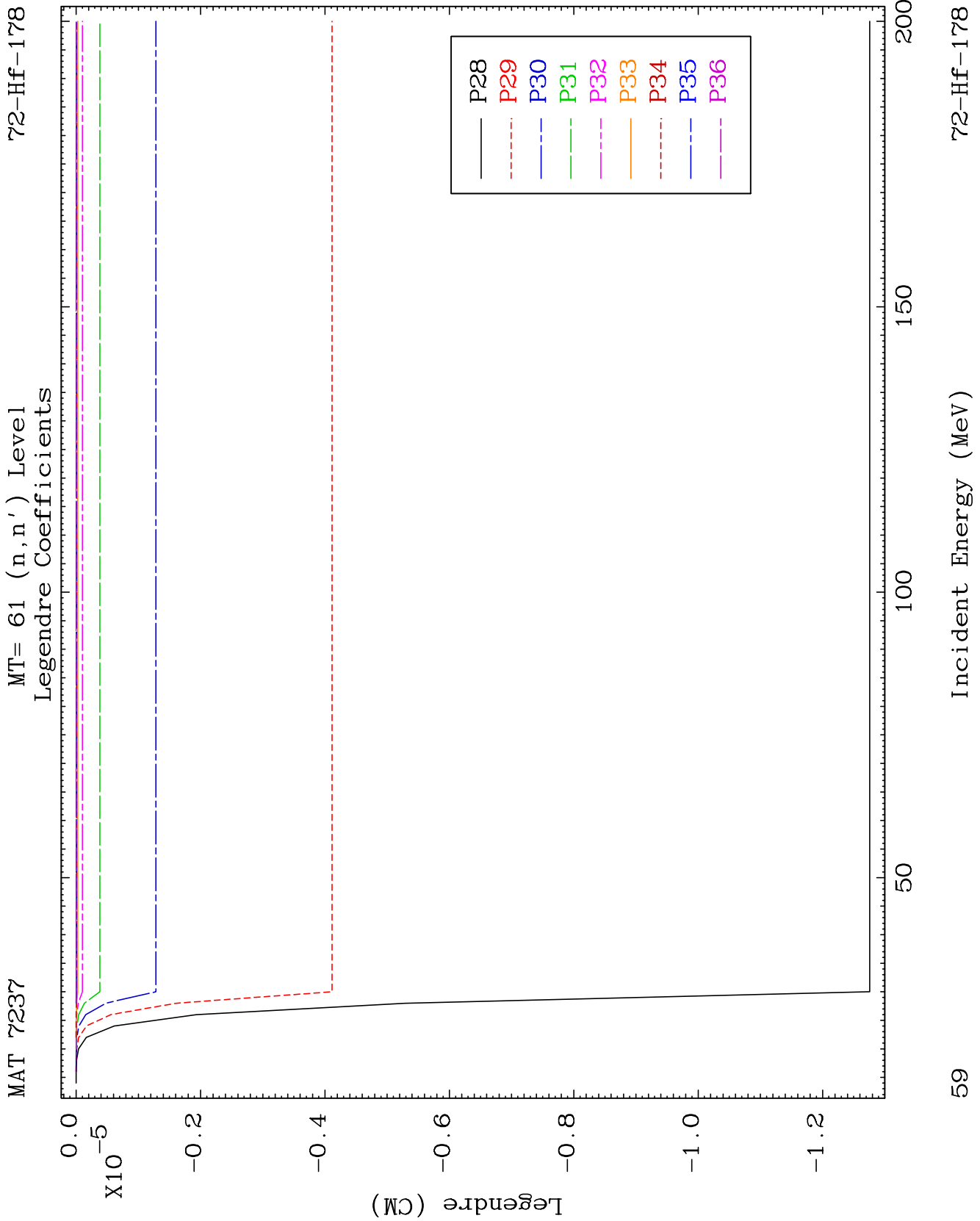
72-Hf-178



58

Incident Energy (MeV)

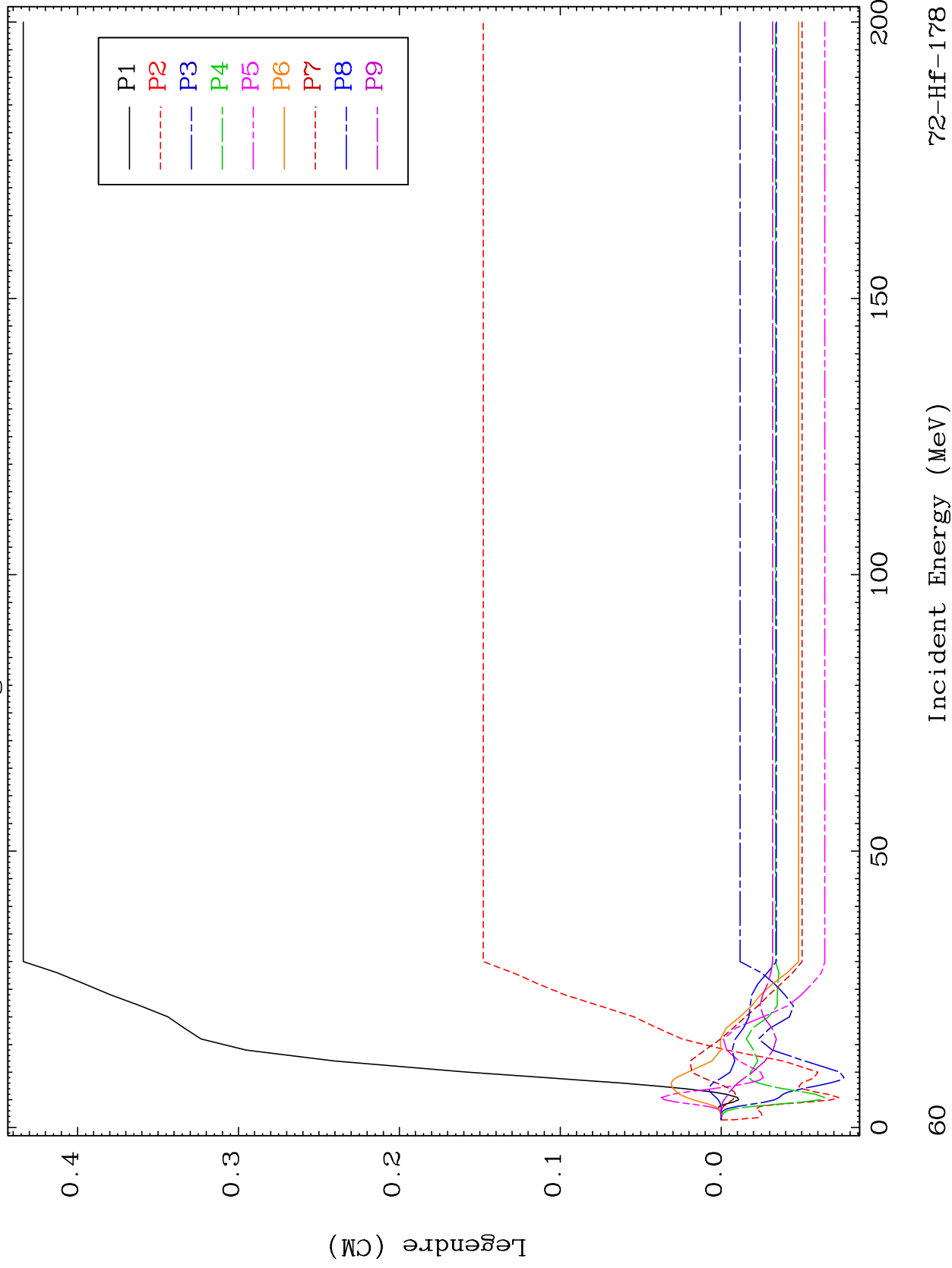
72-Hf-178



MAT 7237

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

72-Hf-178

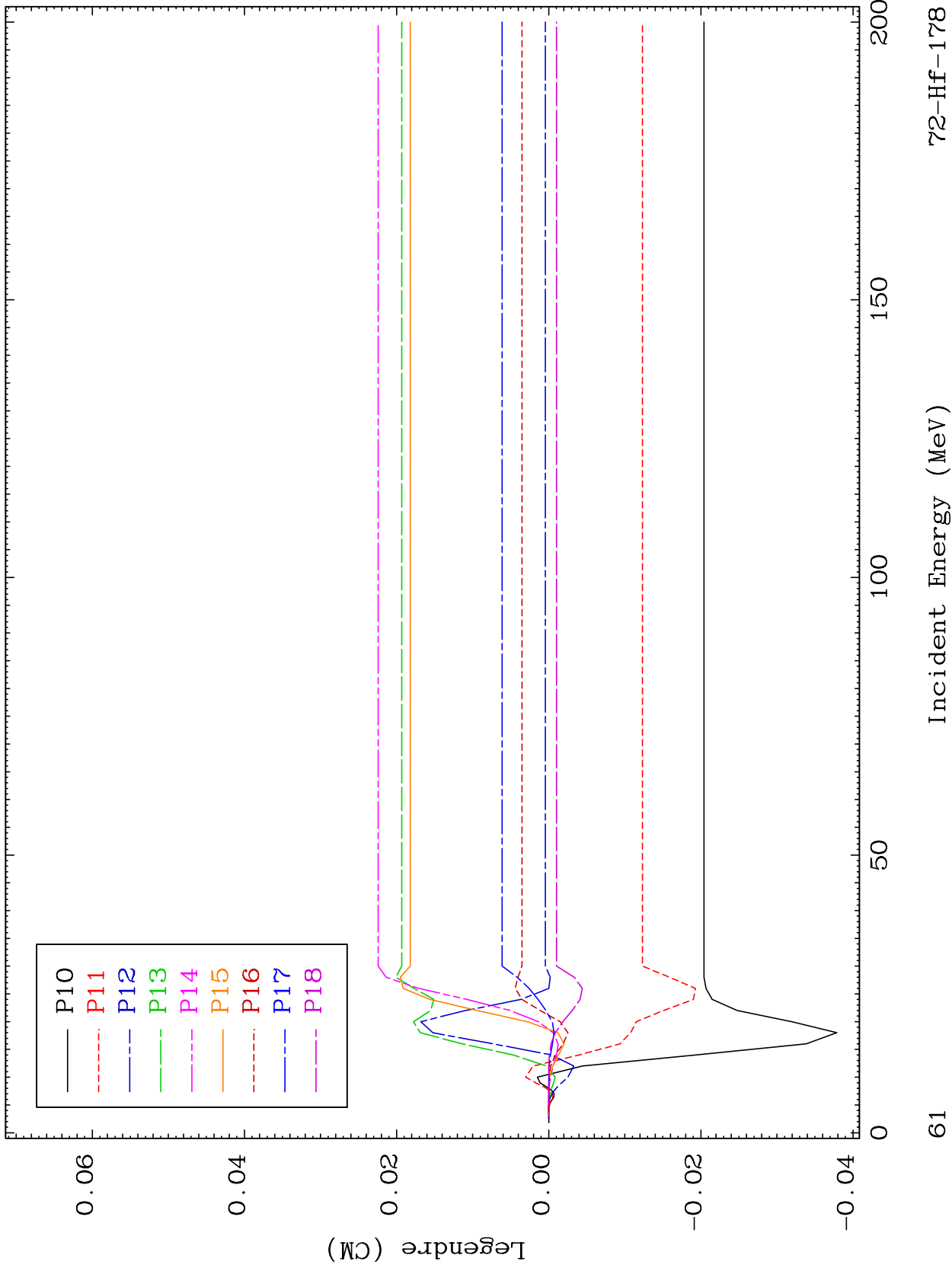


72-Hf-178

MAT 7237

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

72-Hf-178



61

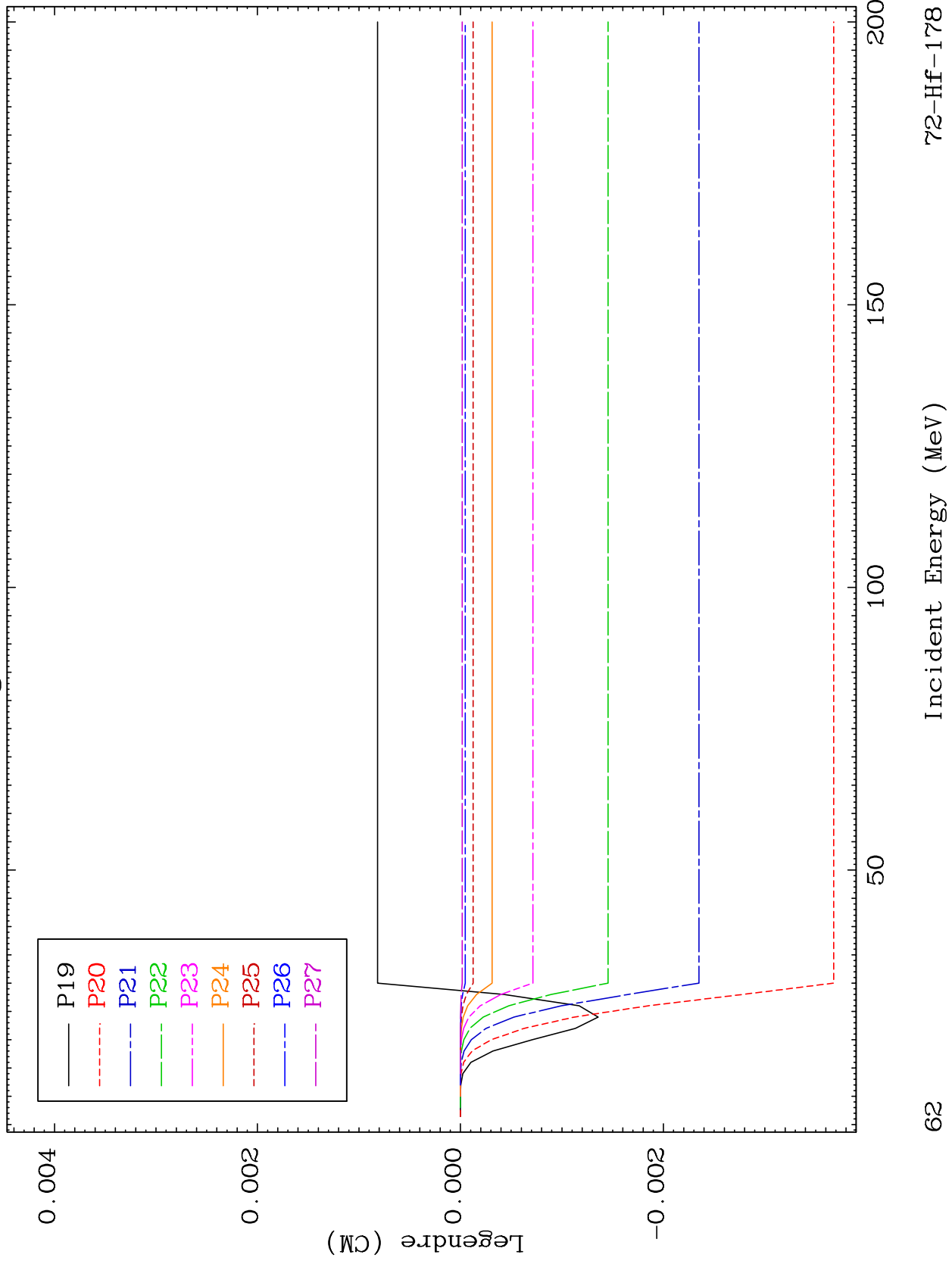
Incident Energy (MeV)

72-Hf-178

MAT 7237

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

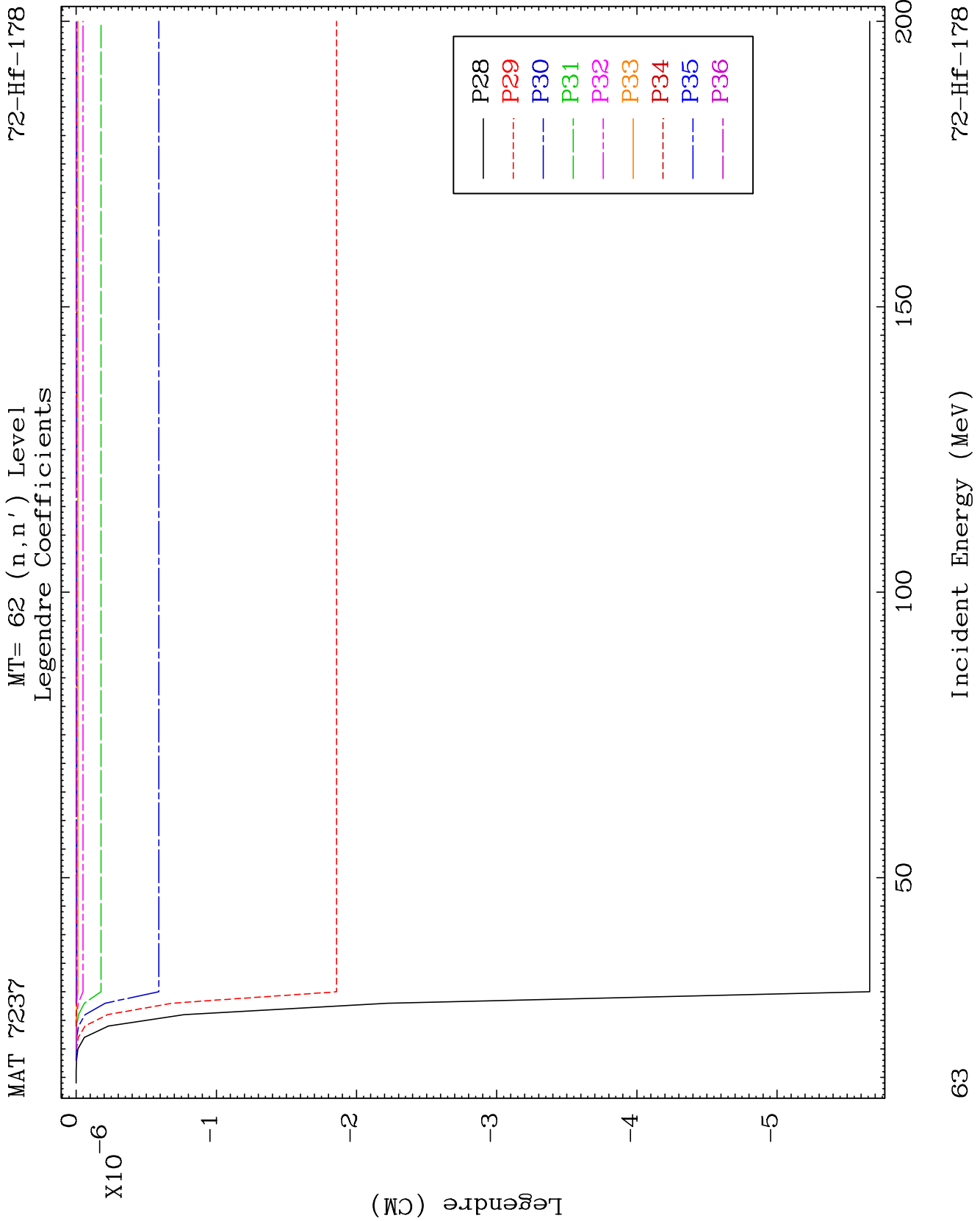
72-Hf-178



62

Incident Energy (MeV)

72-Hf-178

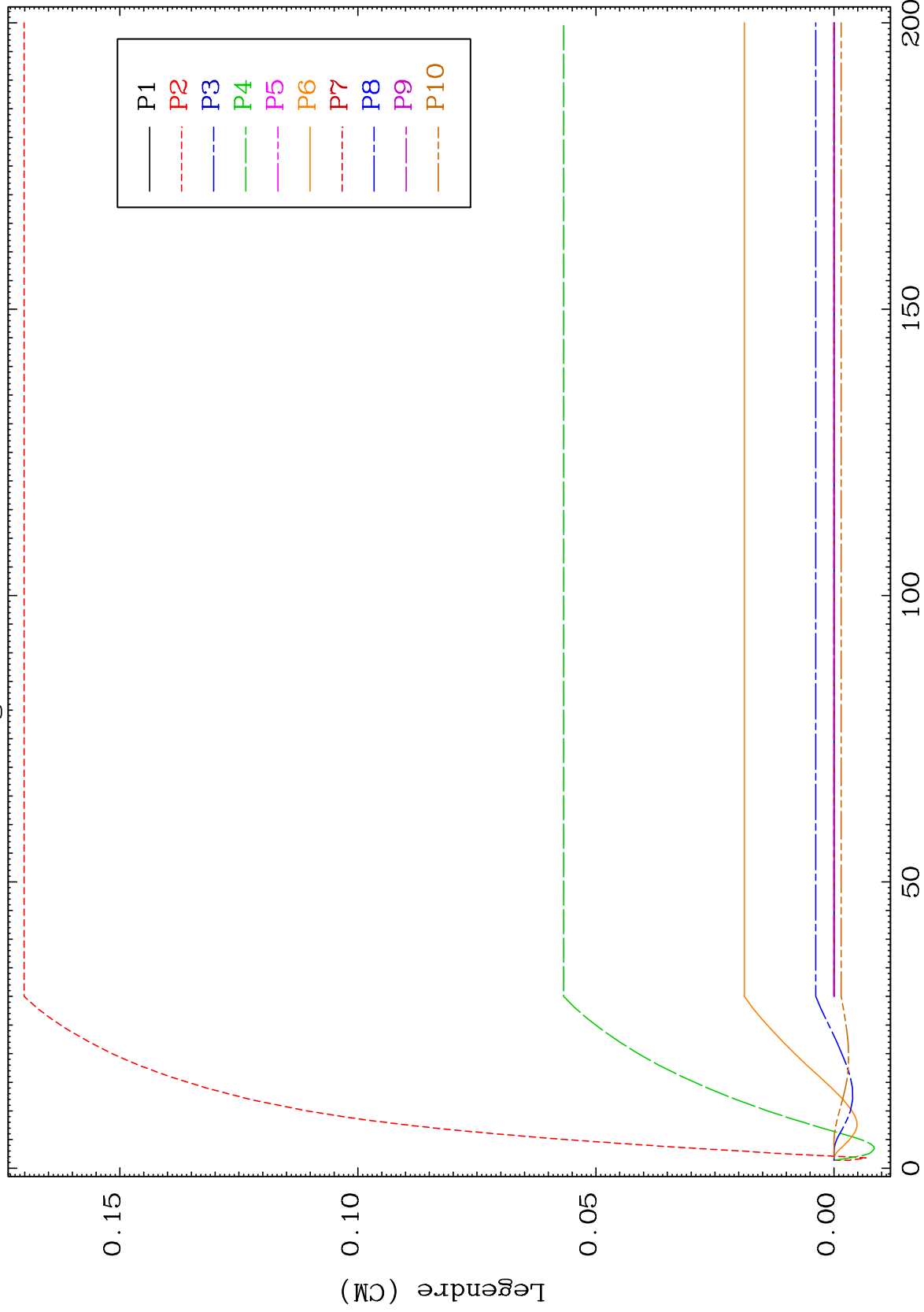




MAT 7237

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

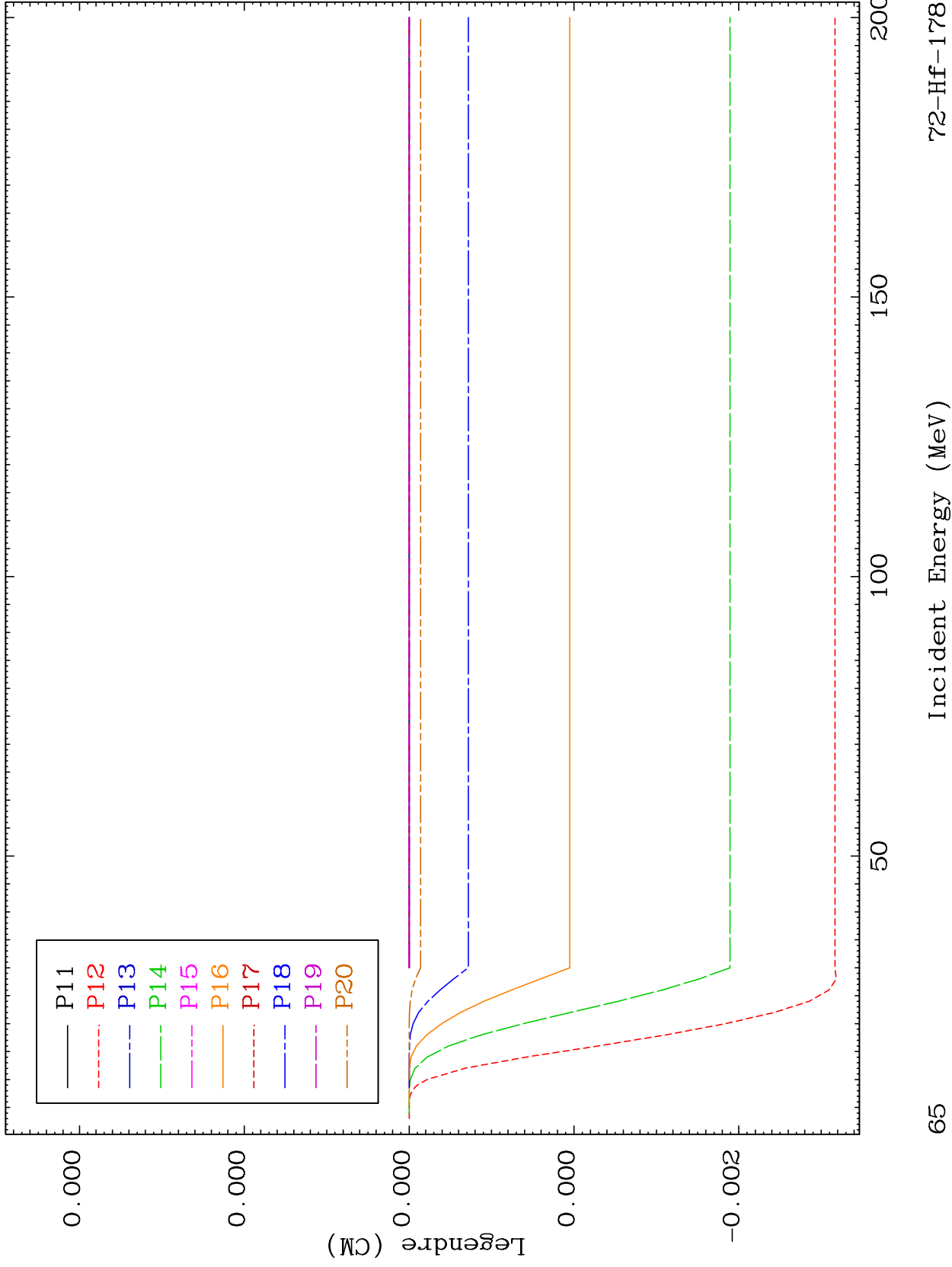
72-Hf-178

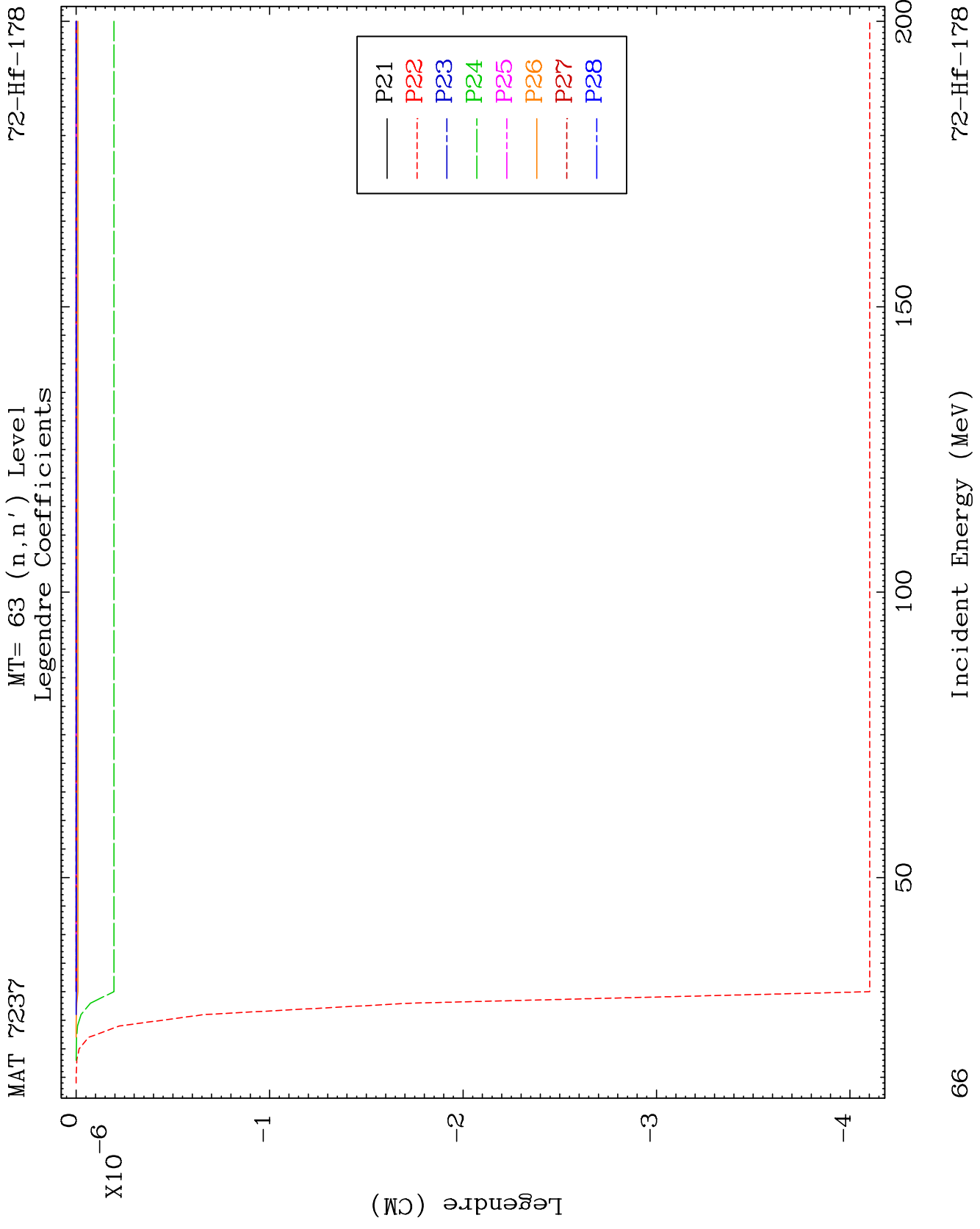


64

Incident Energy (MeV)

72-Hf-178

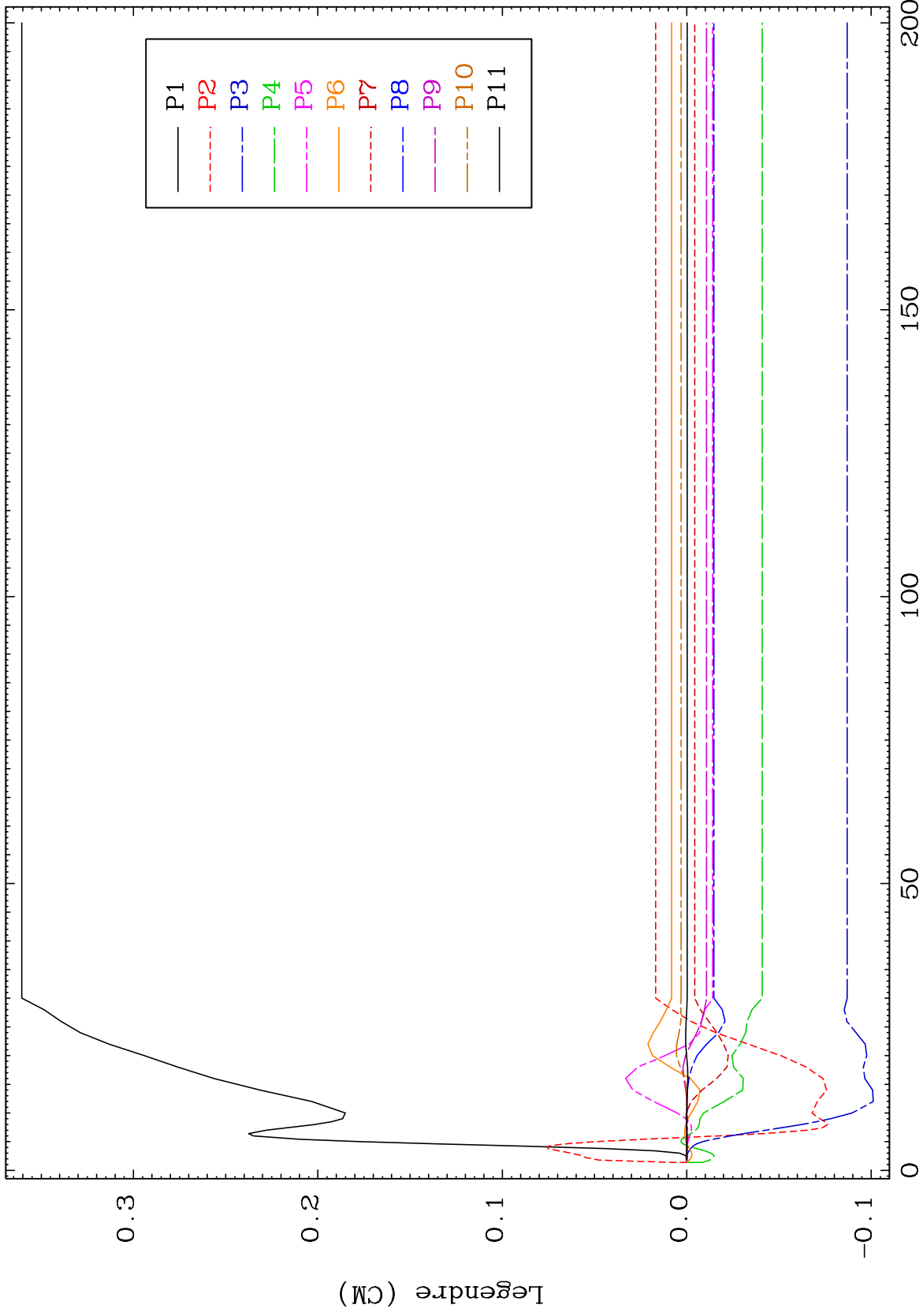




MAT 7237

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

72-Hf-178



67

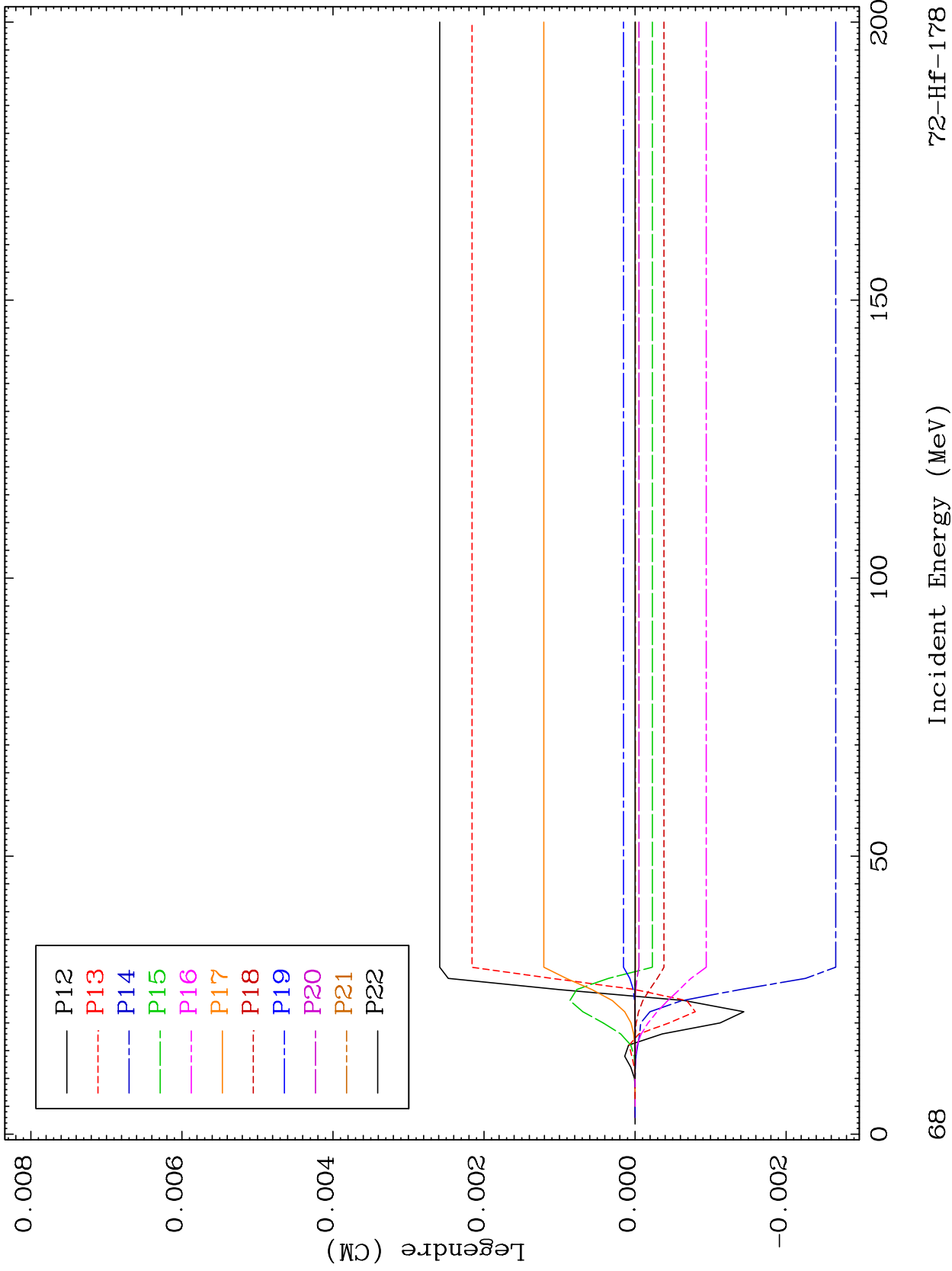
Incident Energy (MeV)

72-Hf-178

MAT 7237

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

72-Hf-178



68

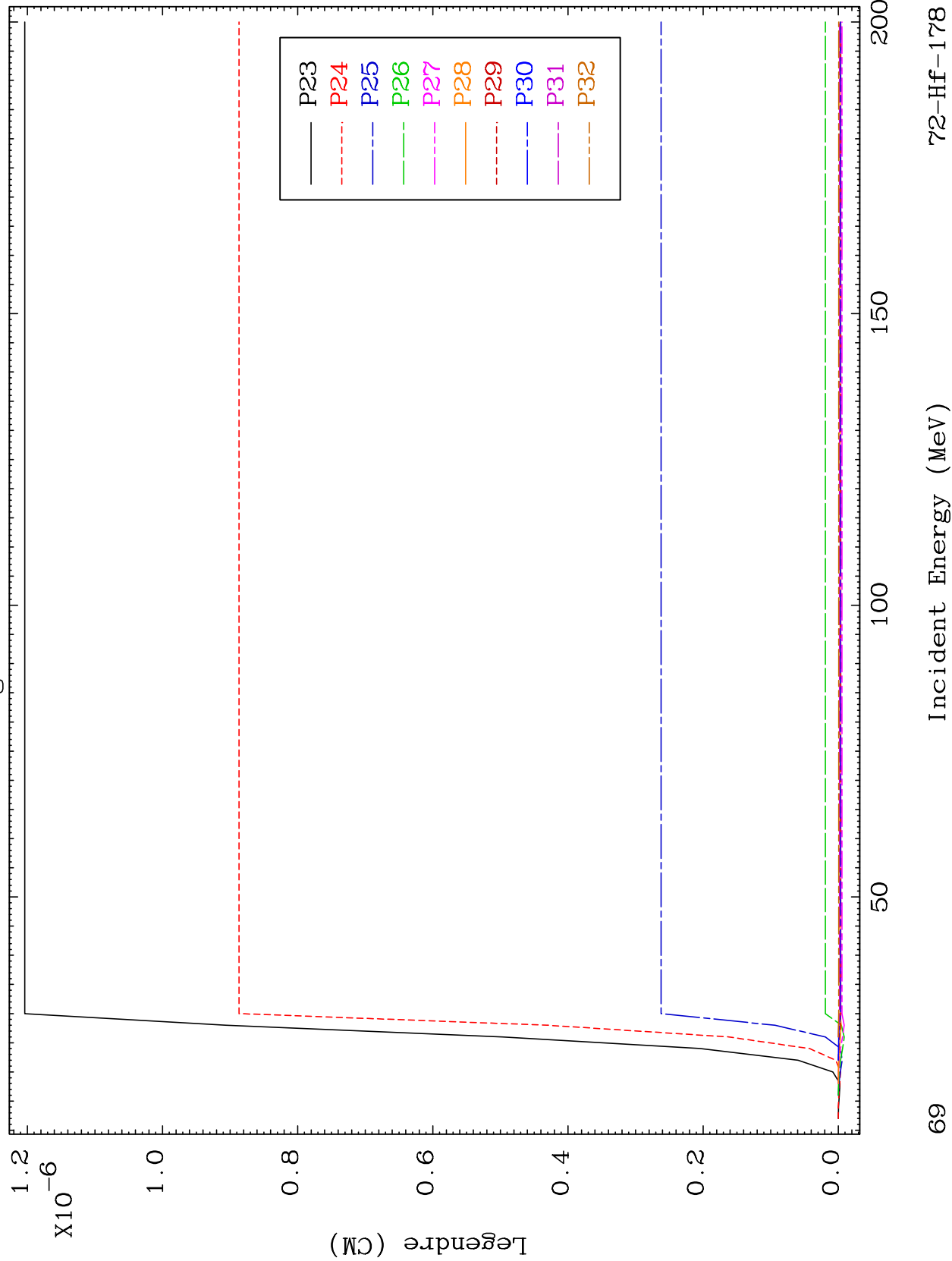
Incident Energy (MeV)

72-Hf-178

MAT 7237

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

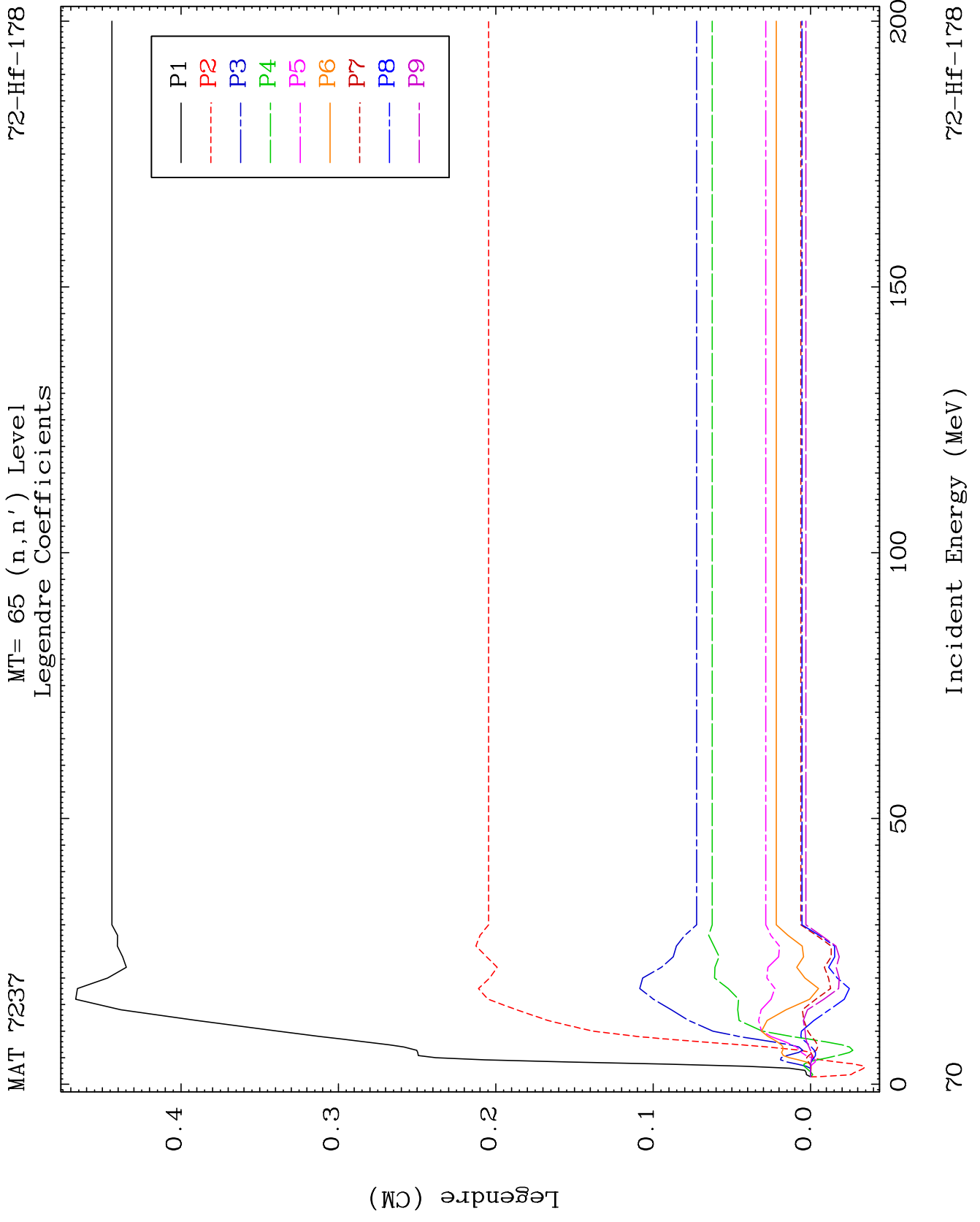
72-Hf-178



69

Incident Energy (MeV)

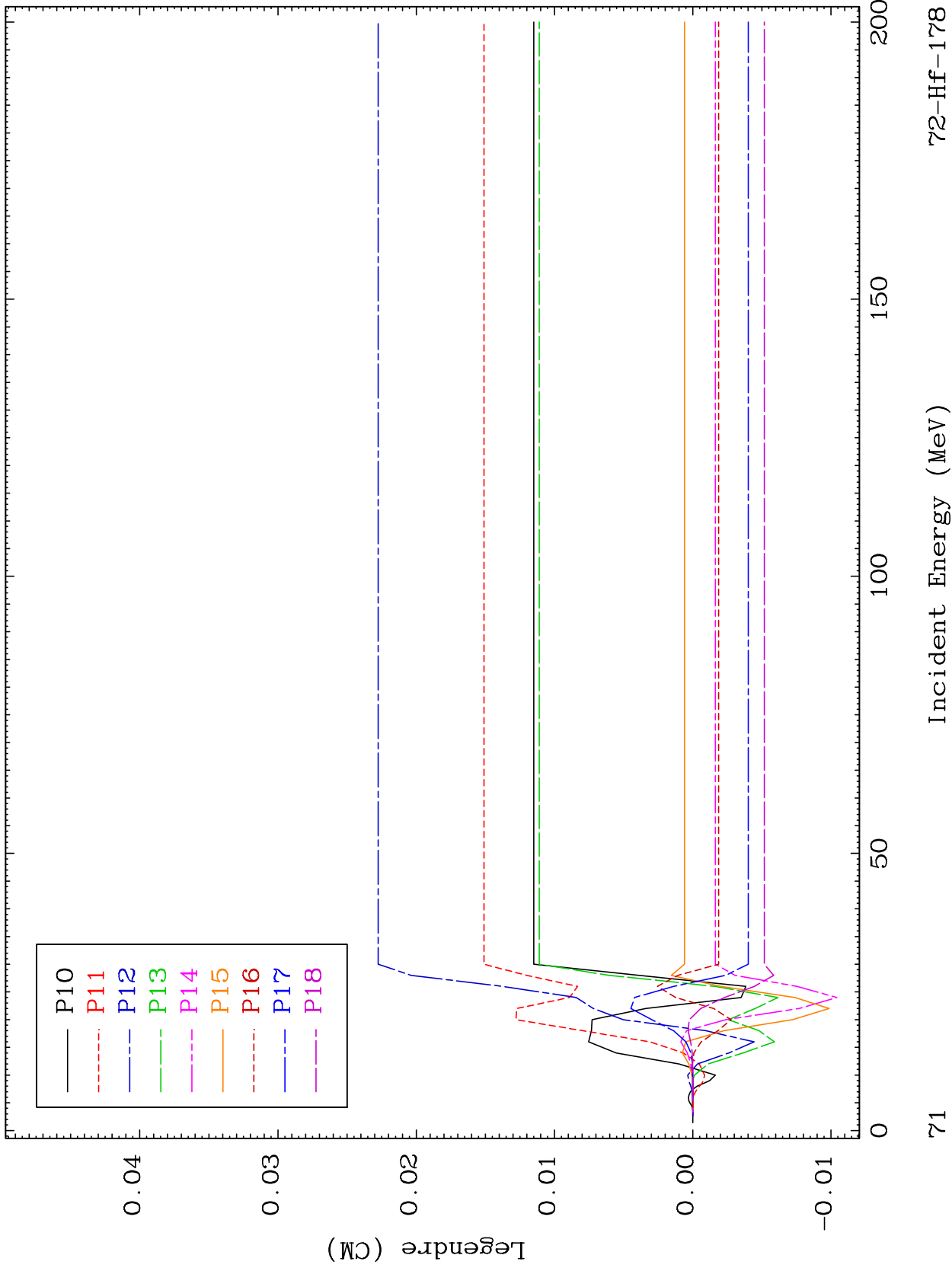
72-Hf-178



MAT 7237

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

72-Hf-178



71

Incident Energy (MeV)

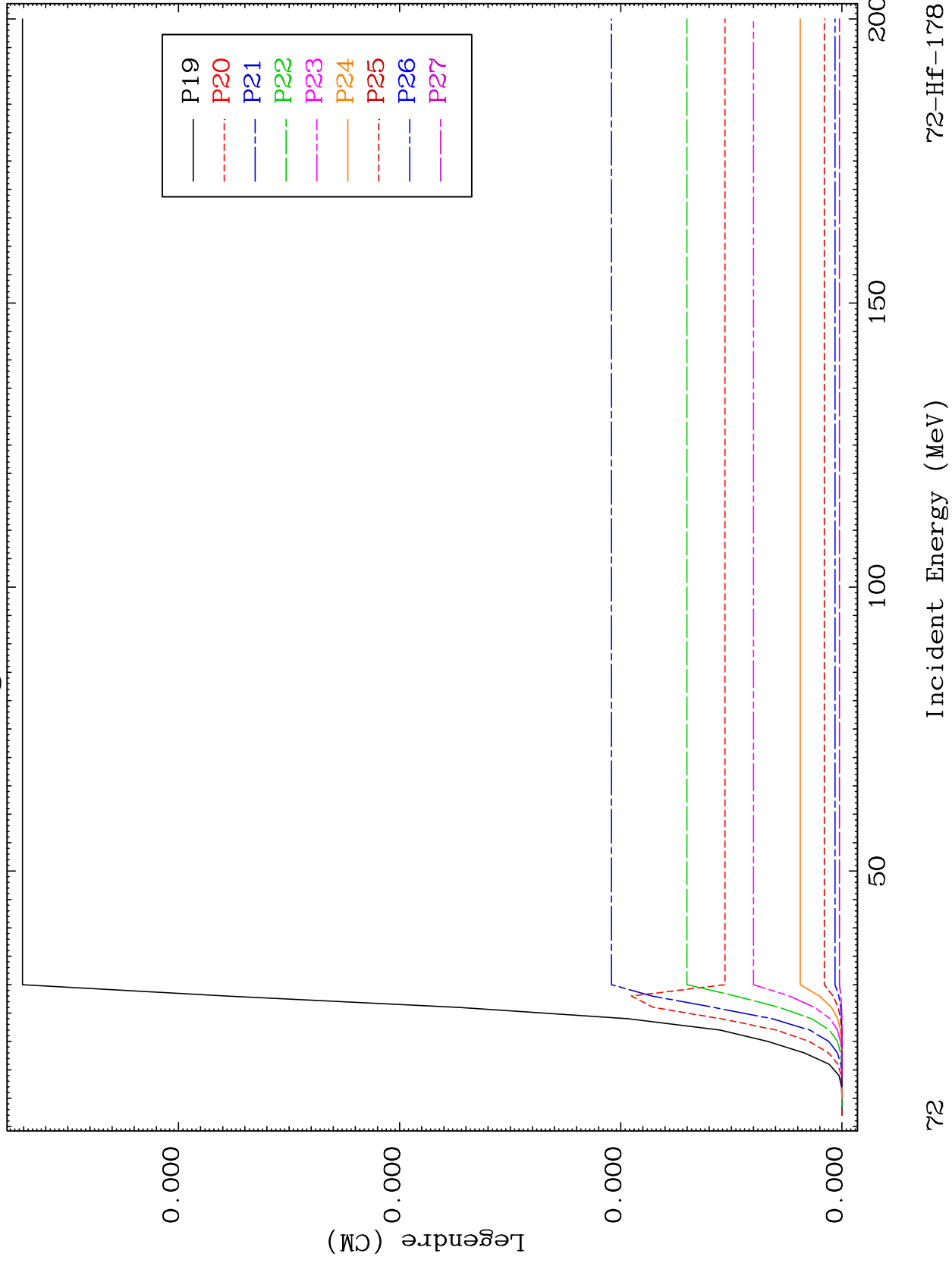
72-Hf-178



MAT 7237

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

72-Hf-178



72

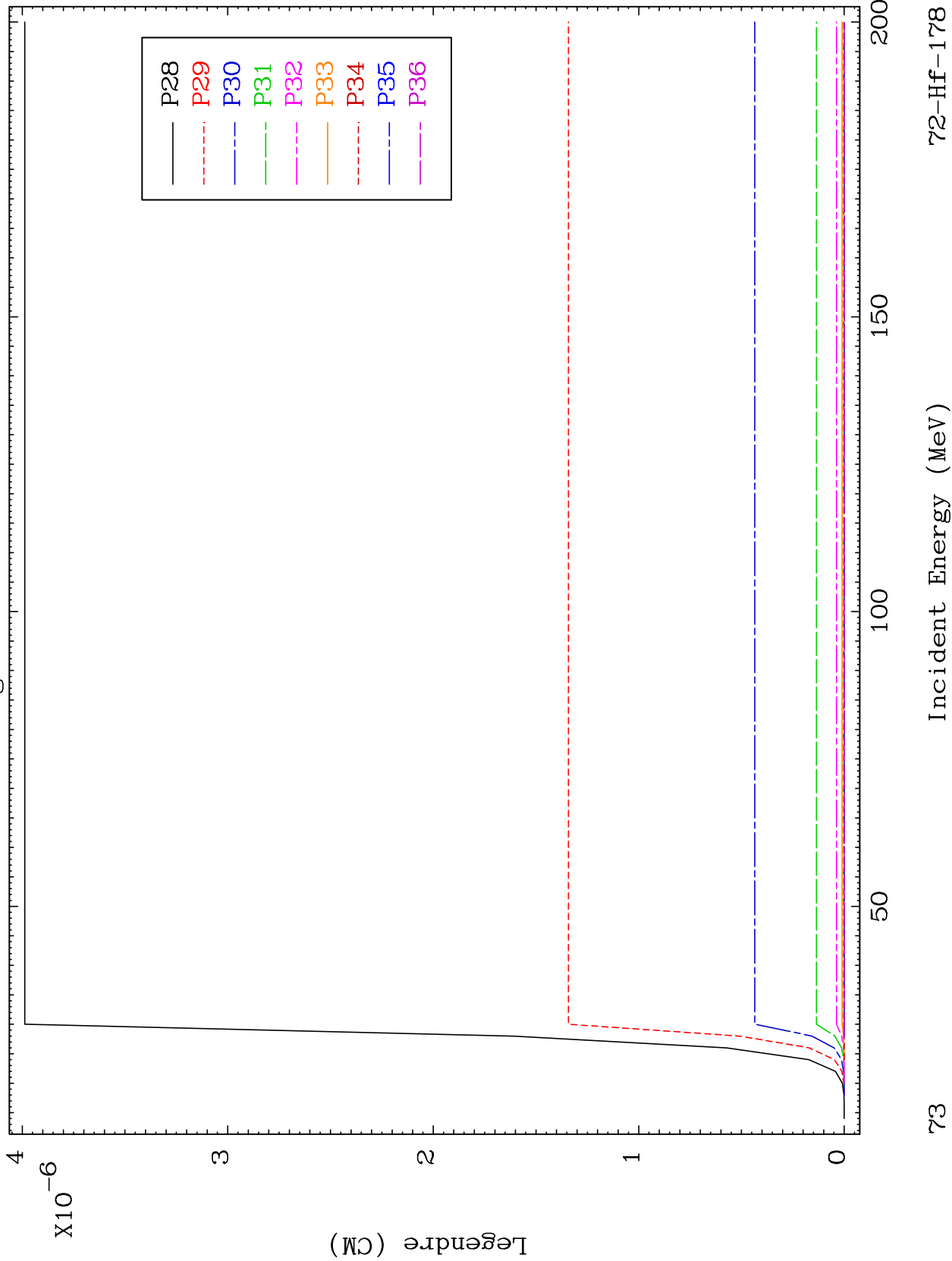
Incident Energy (MeV)

72-Hf-178

MAT 7237

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

72-Hf-178



73

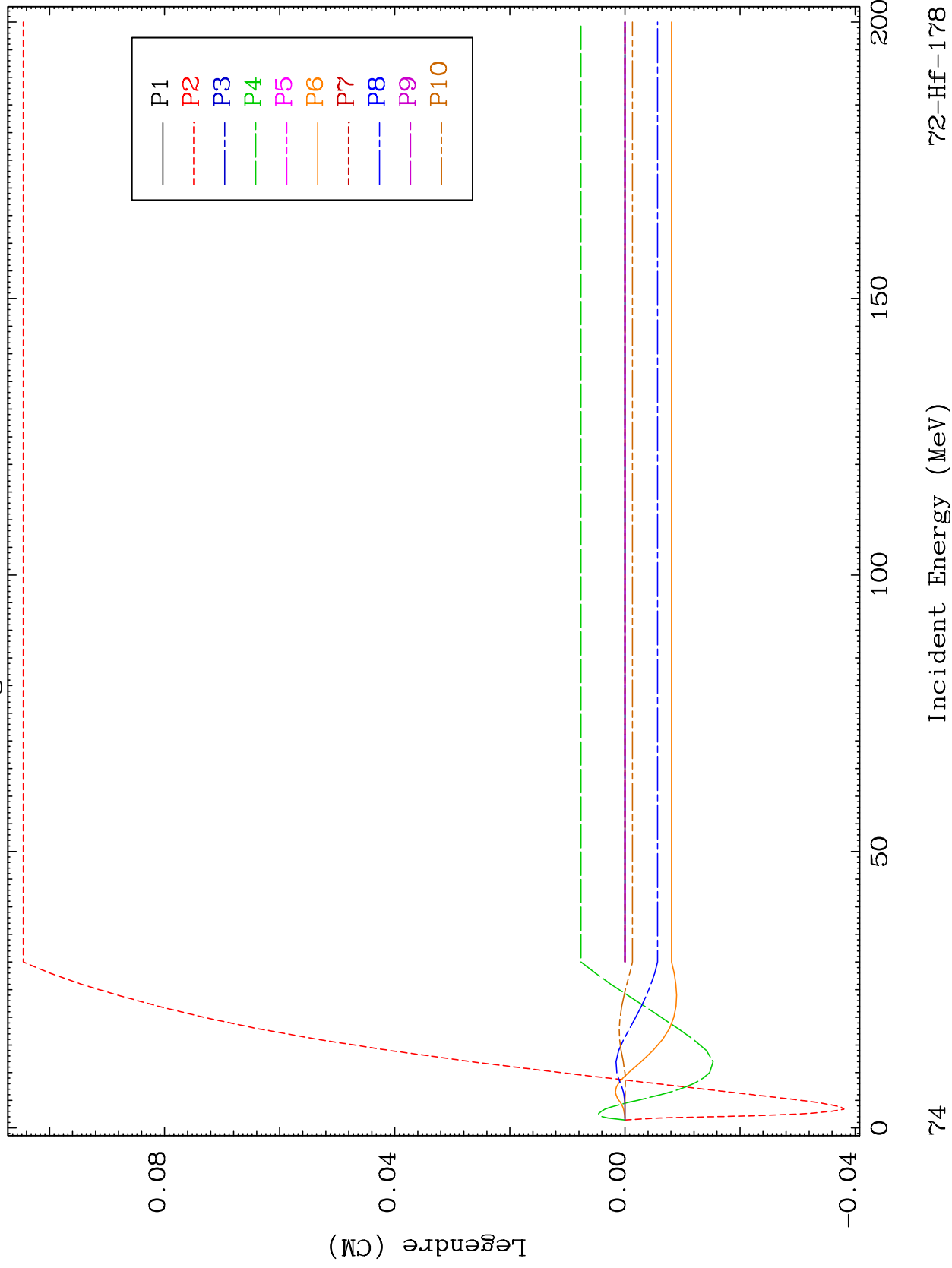
Incident Energy (MeV)

72-Hf-178

MAT 7237

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

72-Hf-178



72-Hf-178

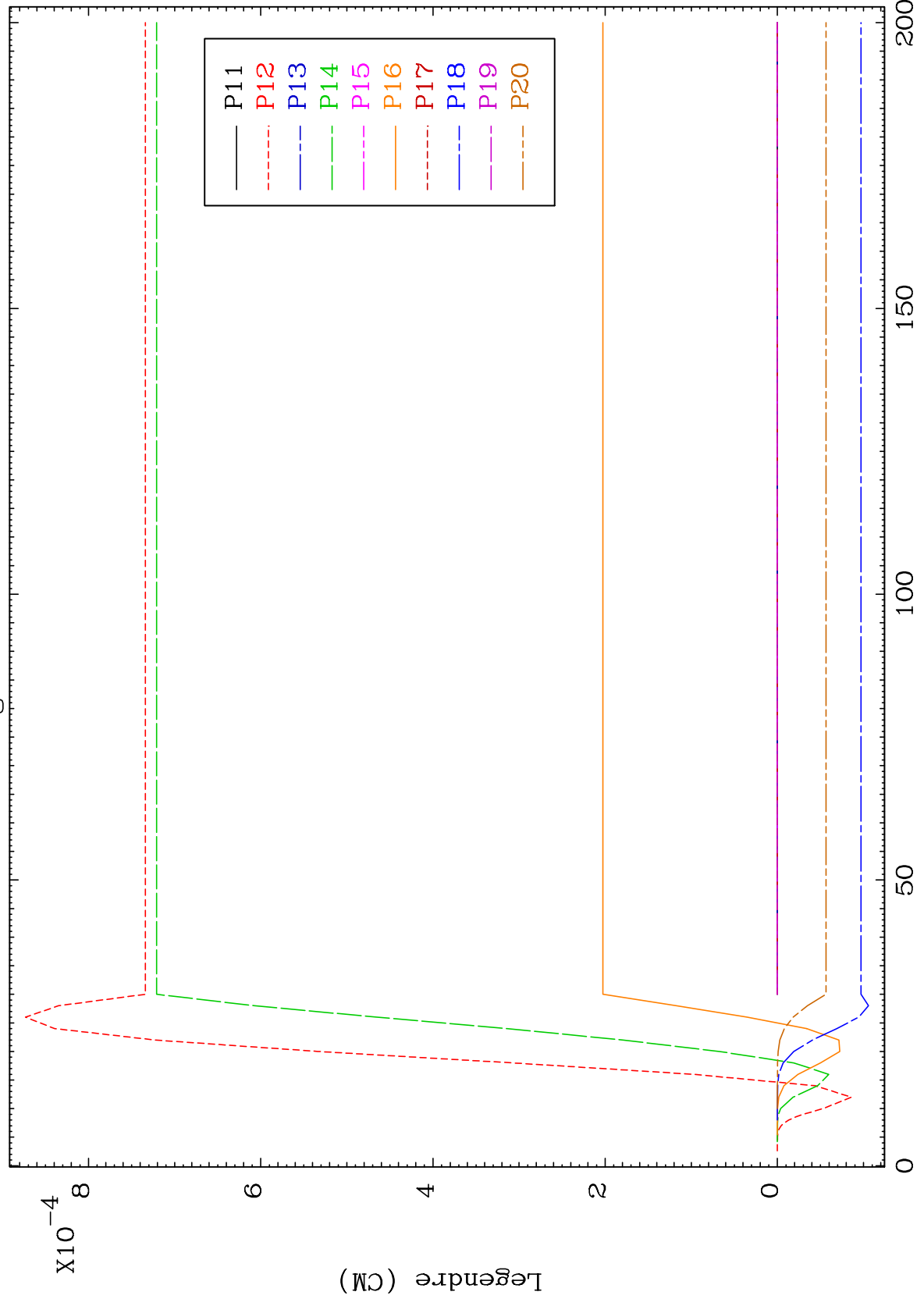
Incident Energy (MeV)

74

MAT 7237

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

72-Hf-178



75

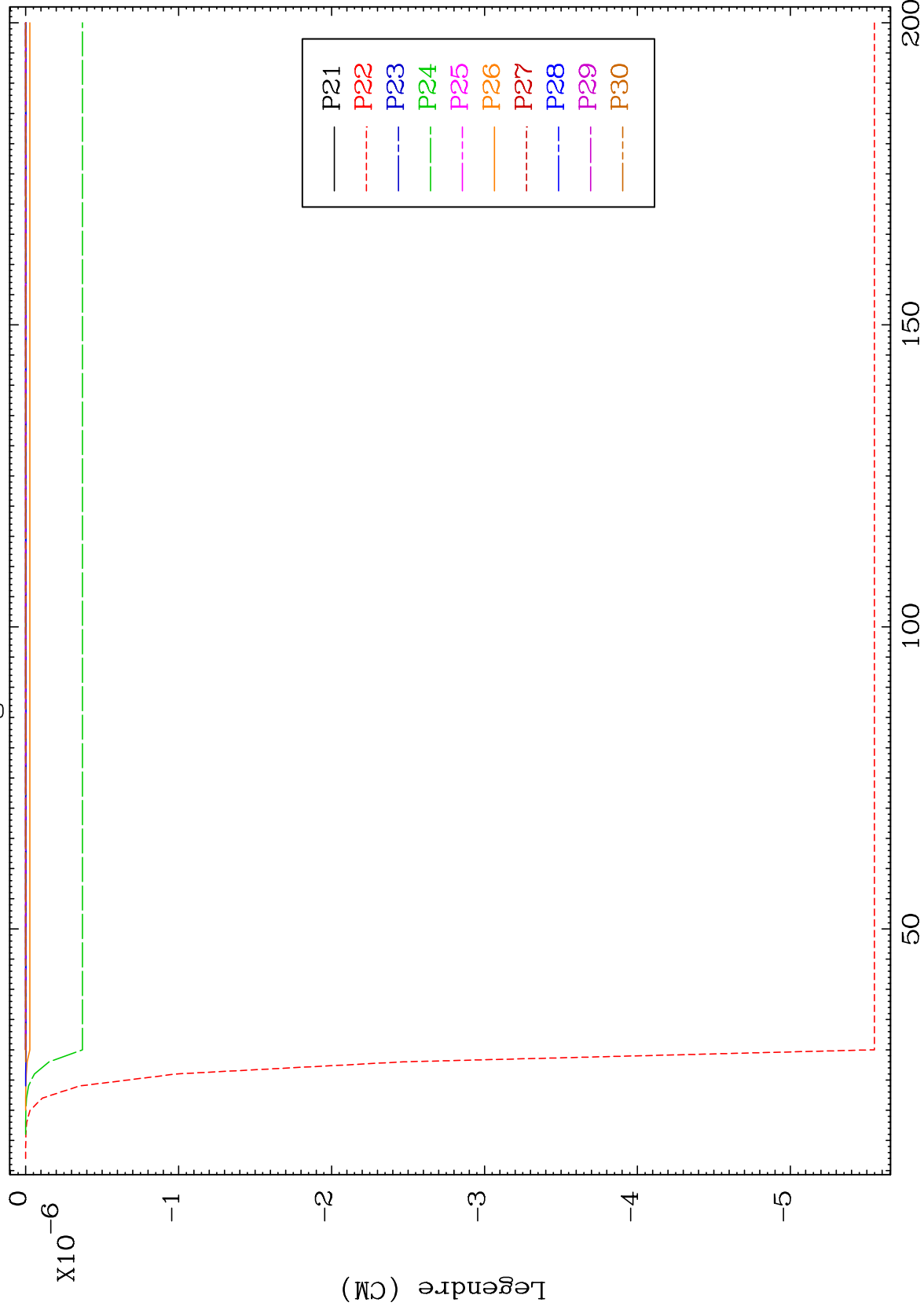
Incident Energy (MeV)

72-Hf-178

MAT 7237

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

72-Hf-178



76

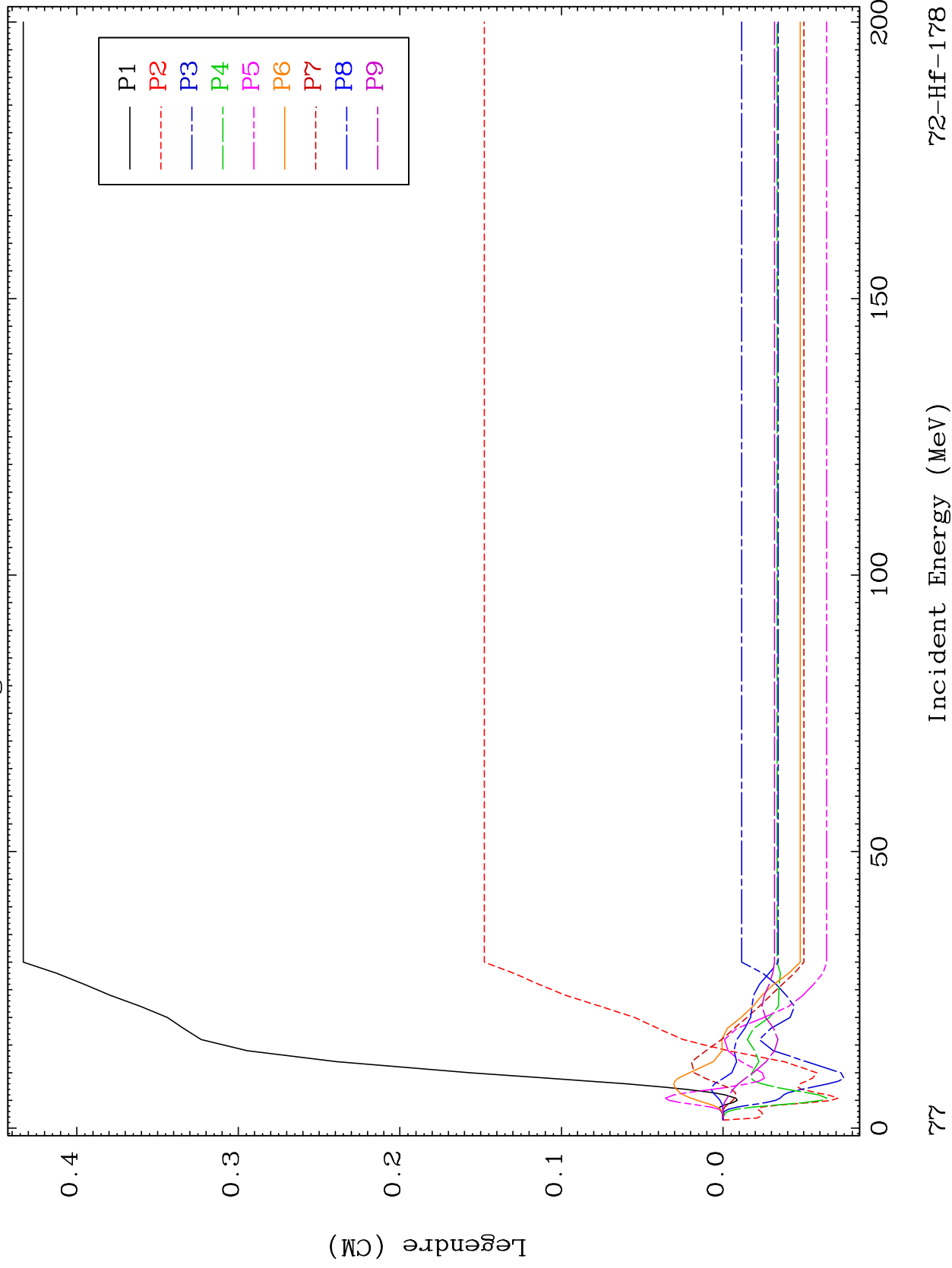
Incident Energy (MeV)

72-Hf-178

MAT 7237

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

72-Hf-178



72-Hf-178

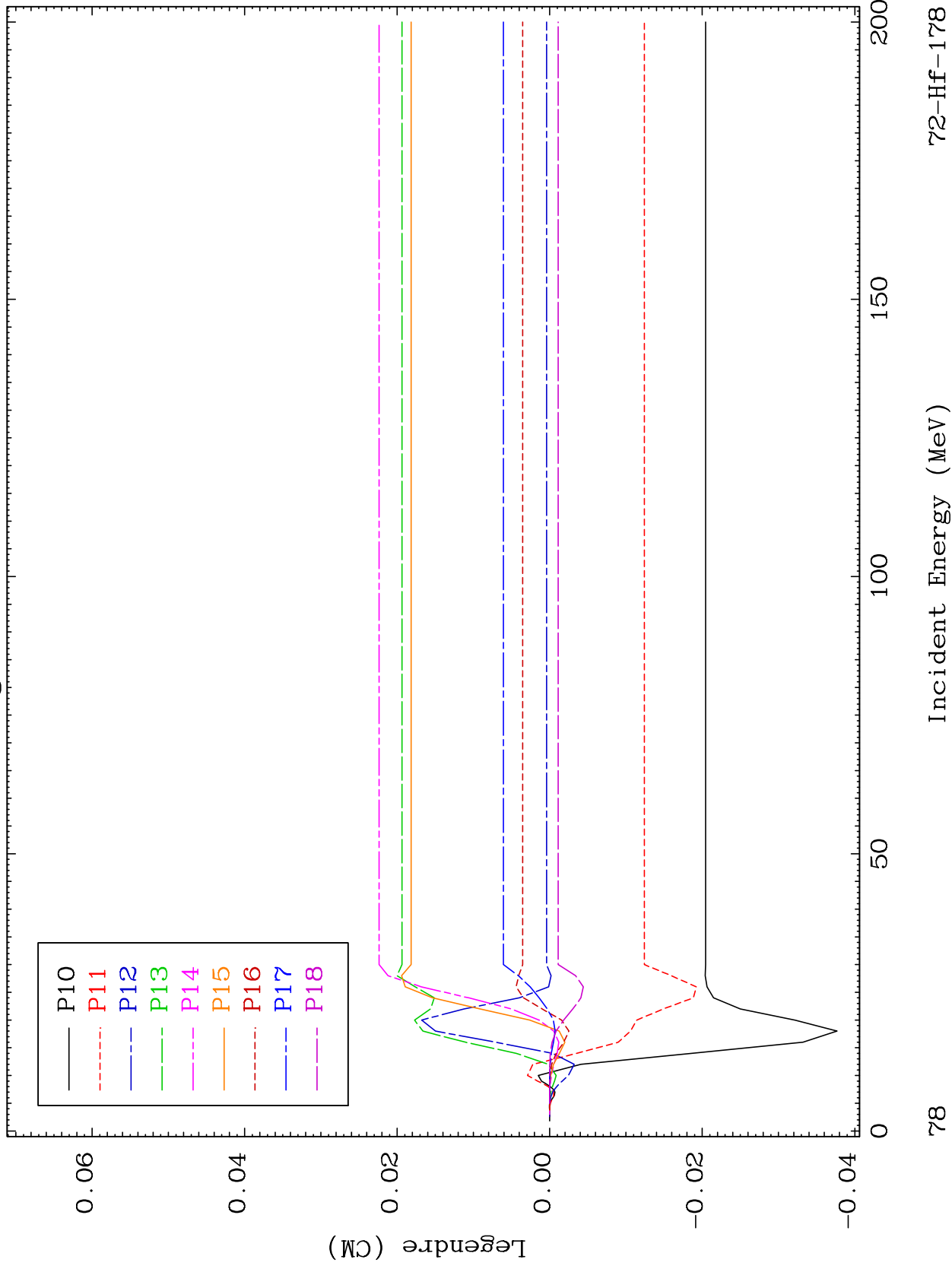
Incident Energy (MeV)

77

MAT 7237

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

72-Hf-178



72-Hf-178

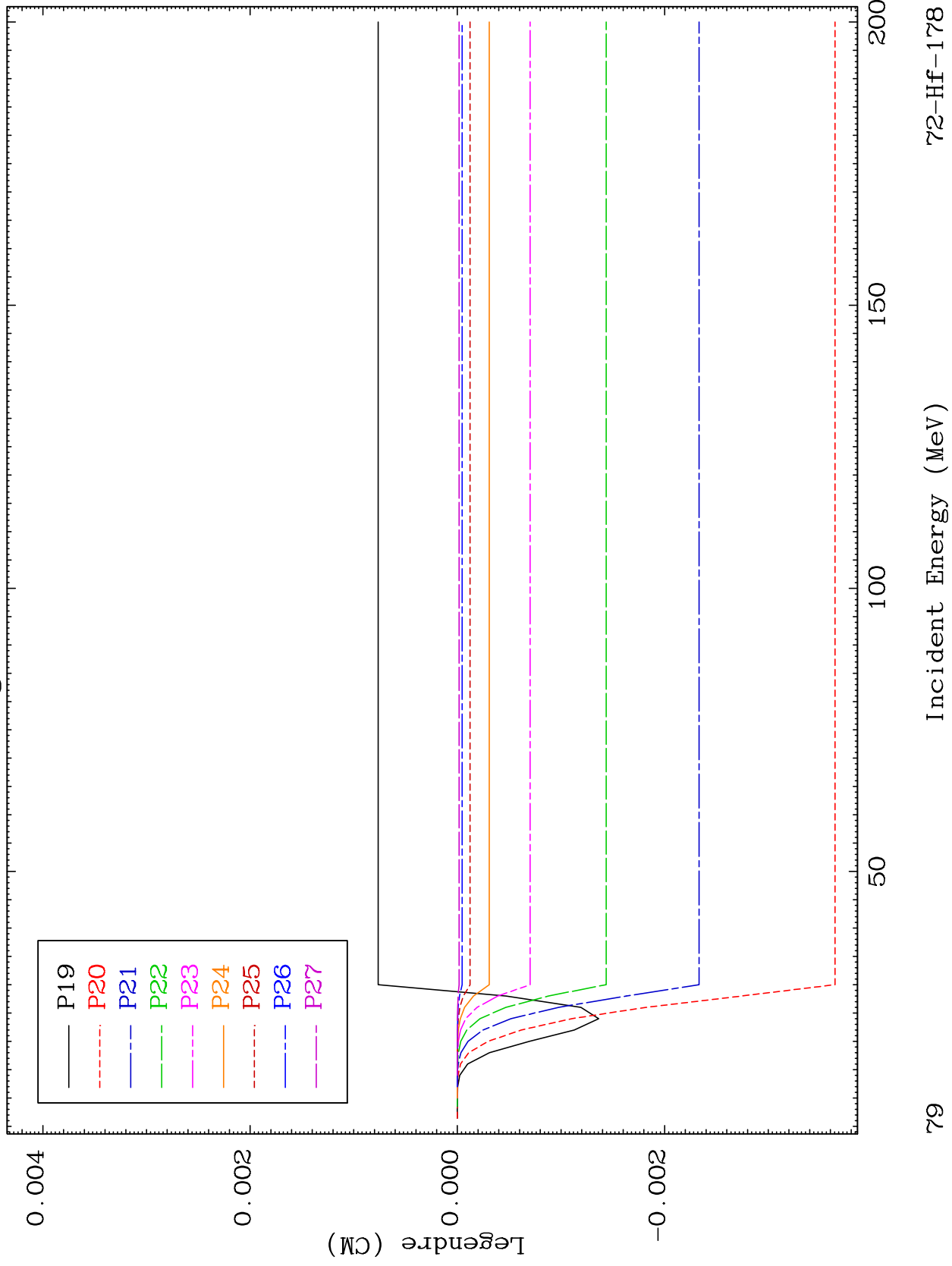
Incident Energy (MeV)

78

MAT 7237

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

72-Hf-178

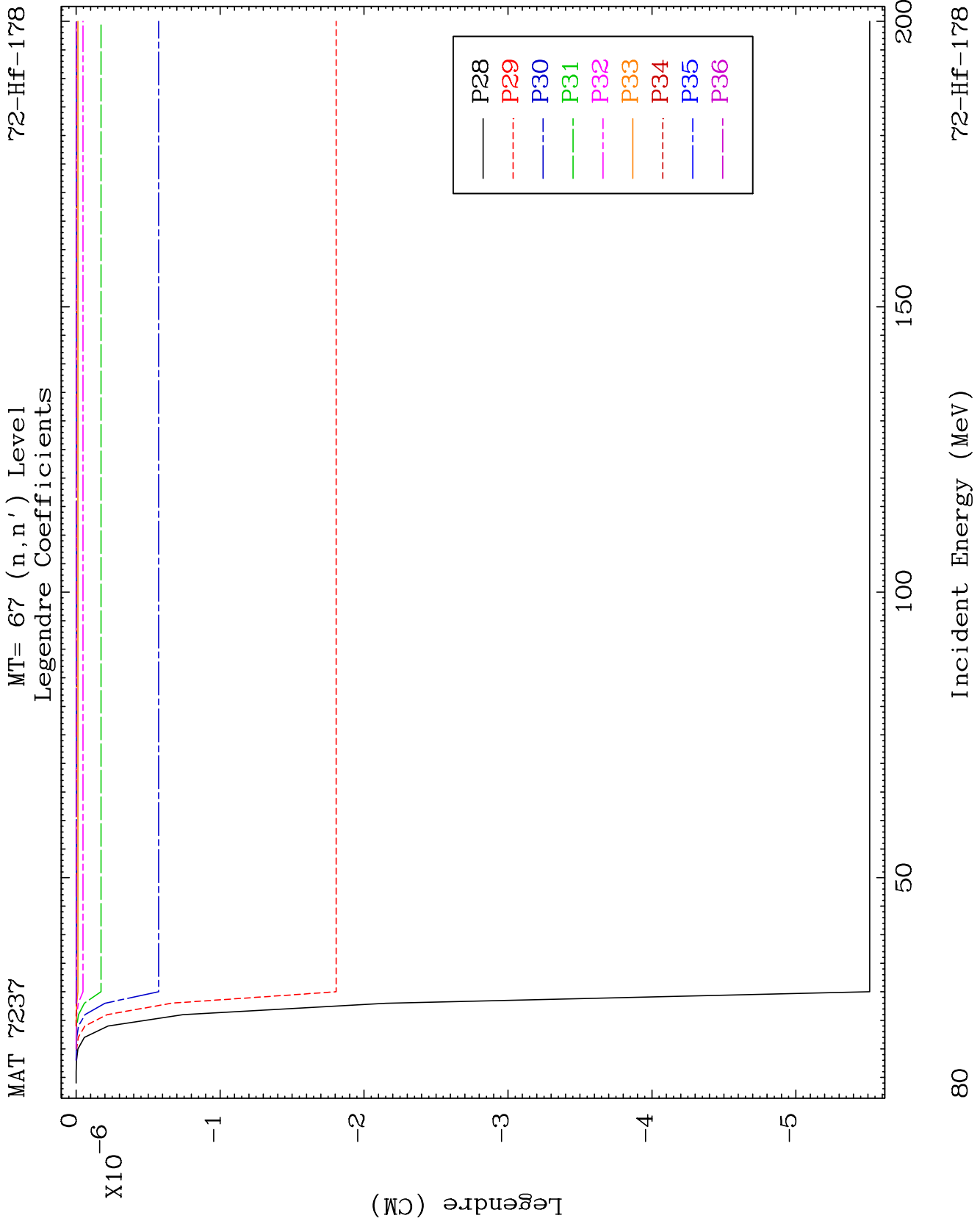


79

Incident Energy (MeV)

72-Hf-178

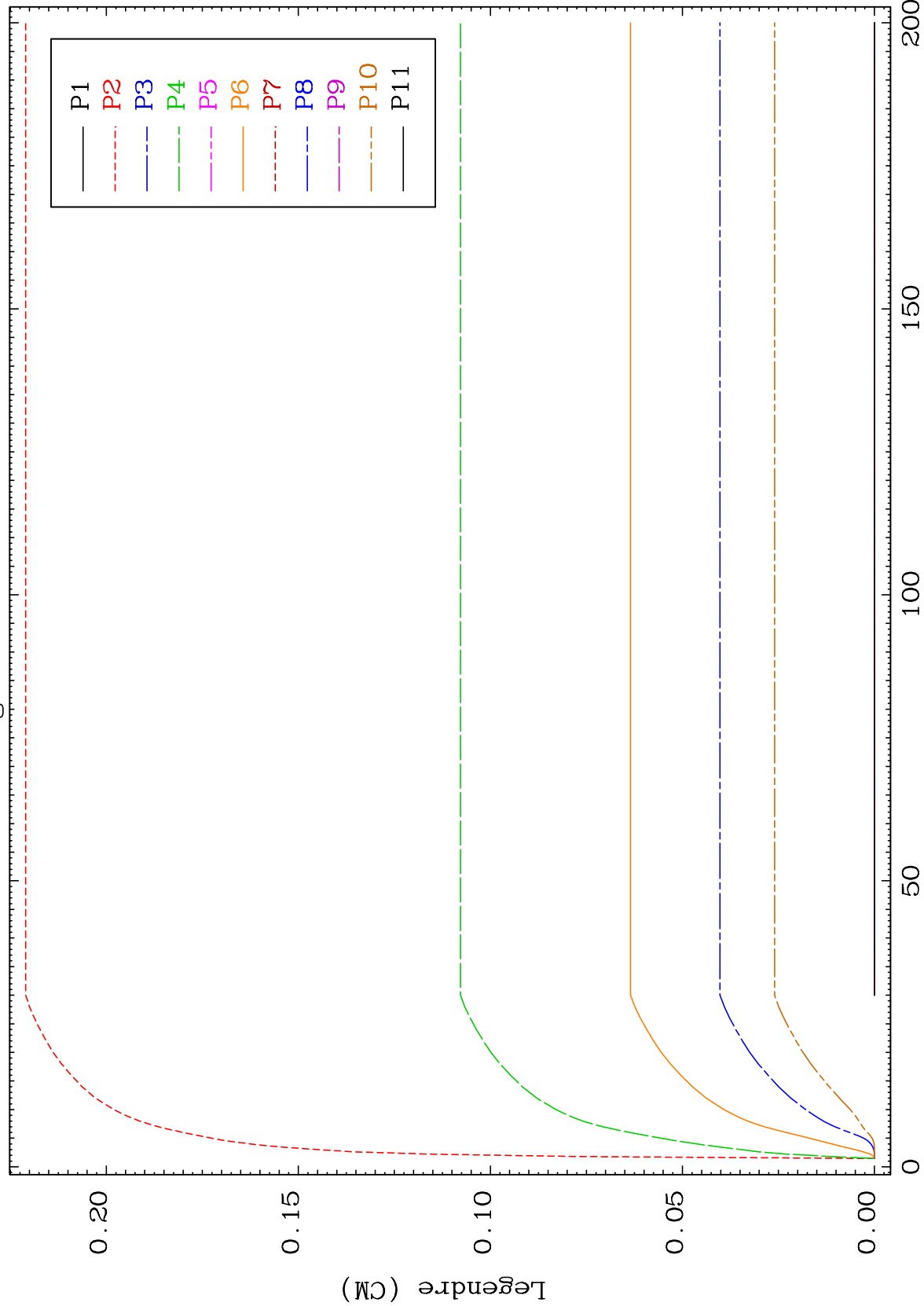




MAT 7237

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

72-Hf-178



81

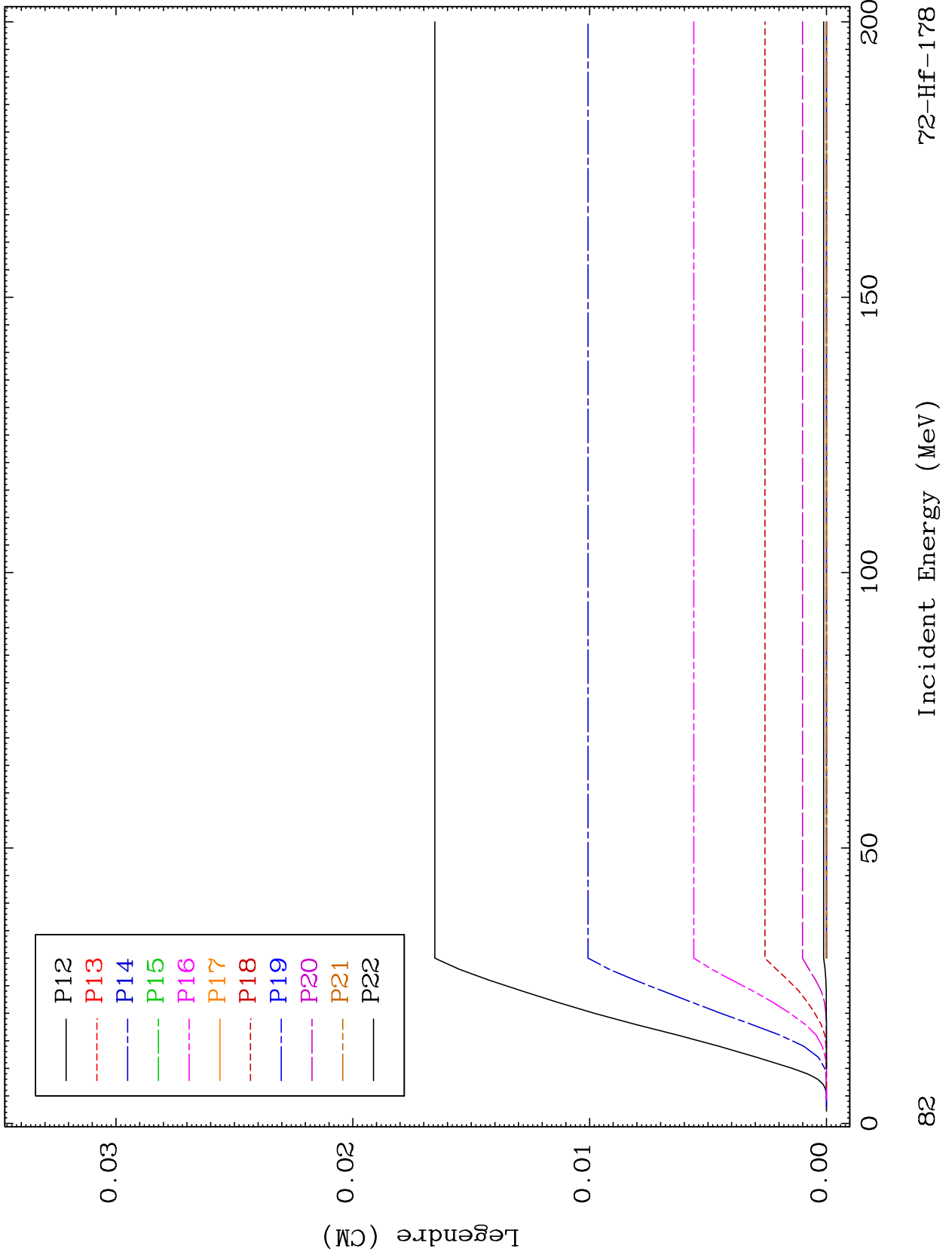
Incident Energy (MeV)

72-Hf-178

MAT 7237

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

72-Hf-178



72-Hf-178

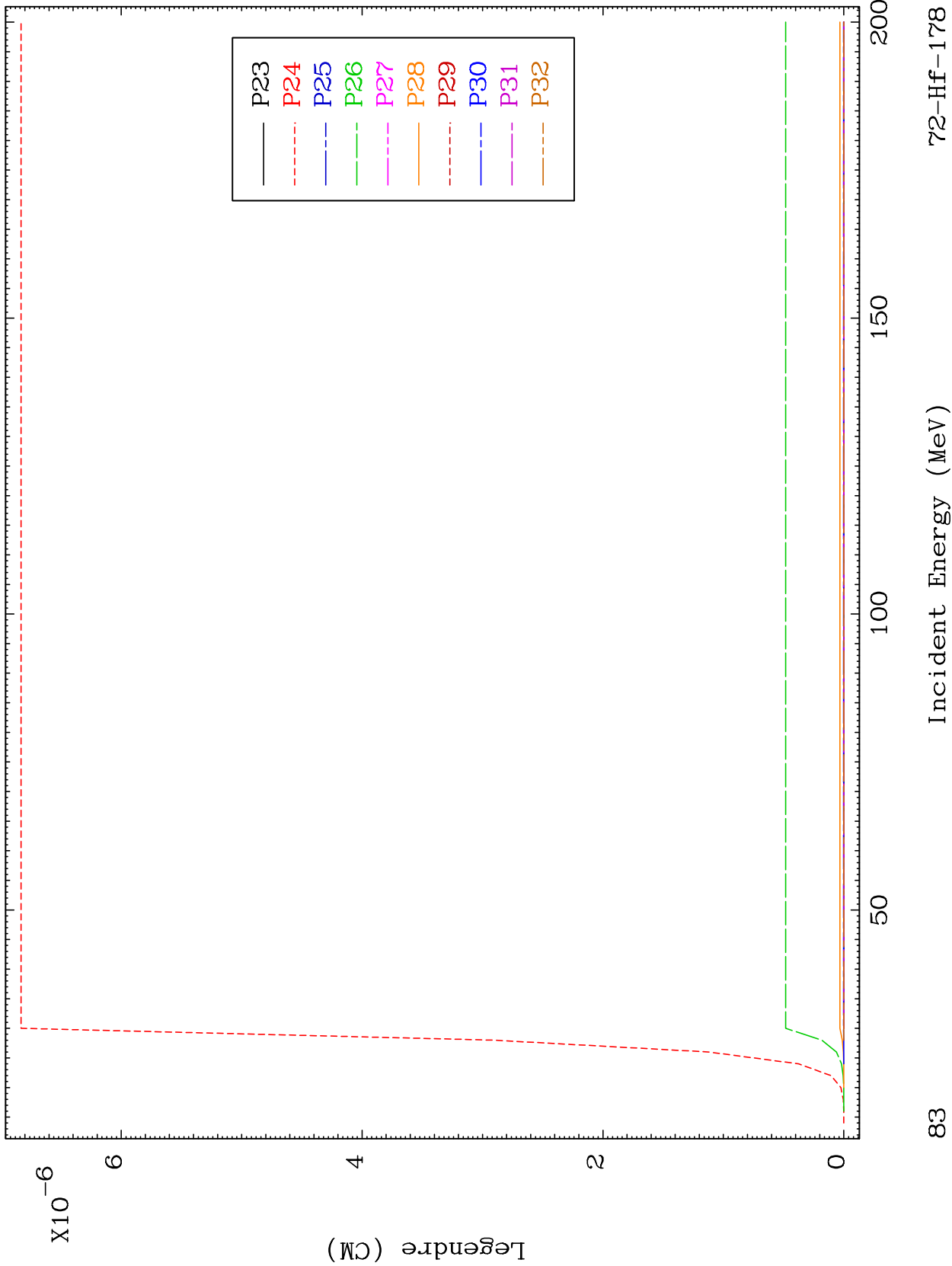
Incident Energy (MeV)

82

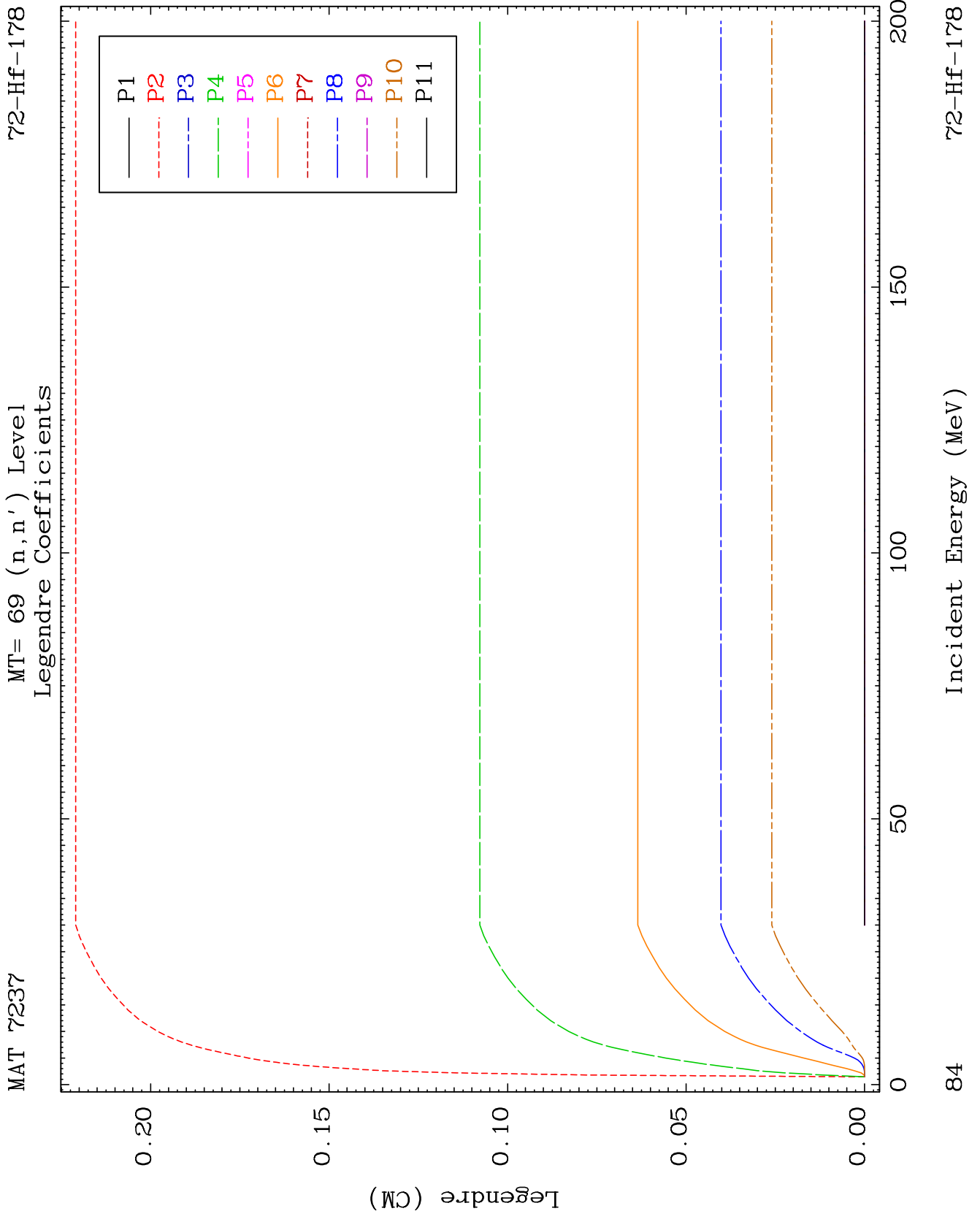
MAT 7237

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

72-Hf-178



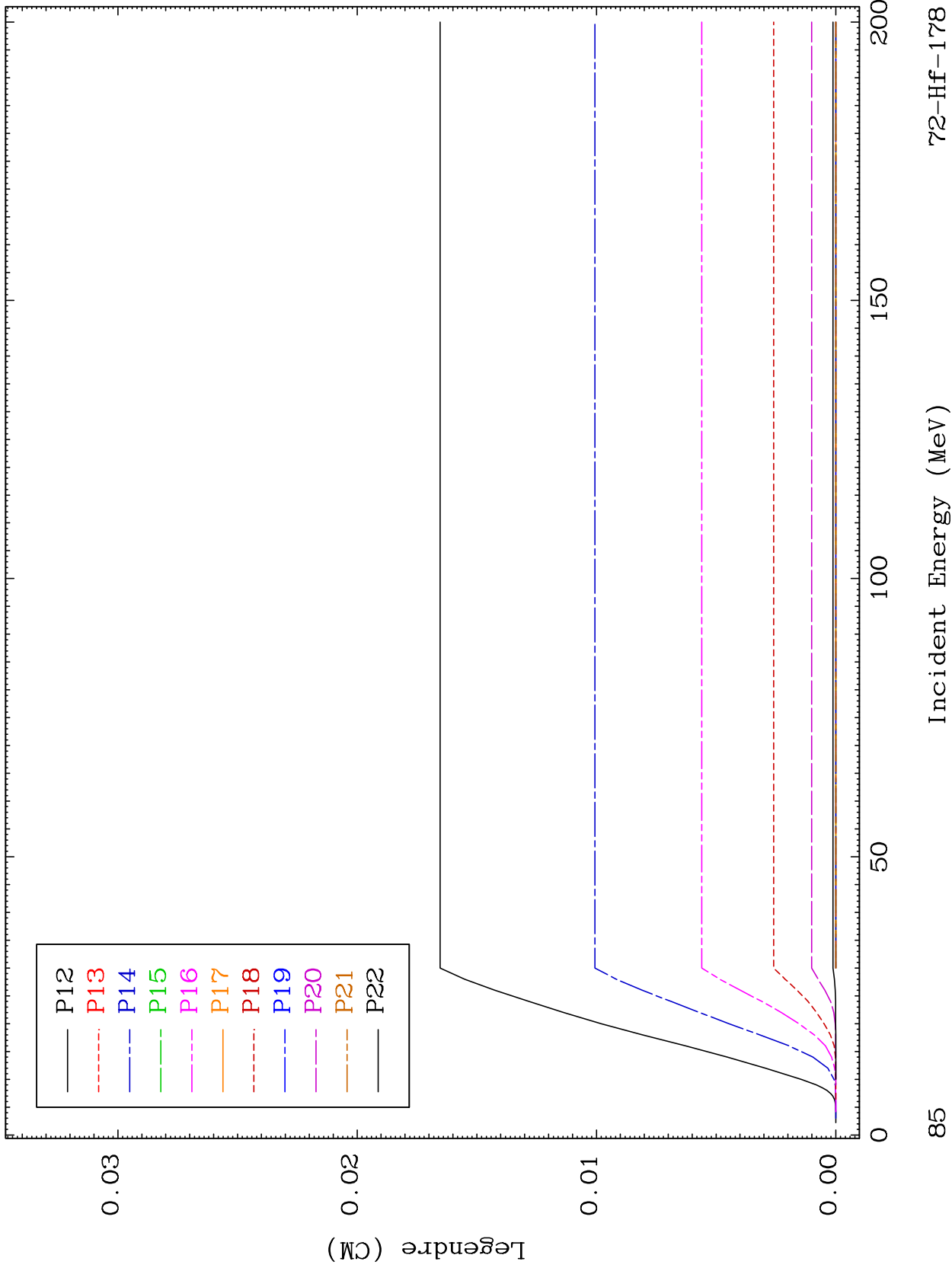
83



MAT 7237

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

72-Hf-178



85

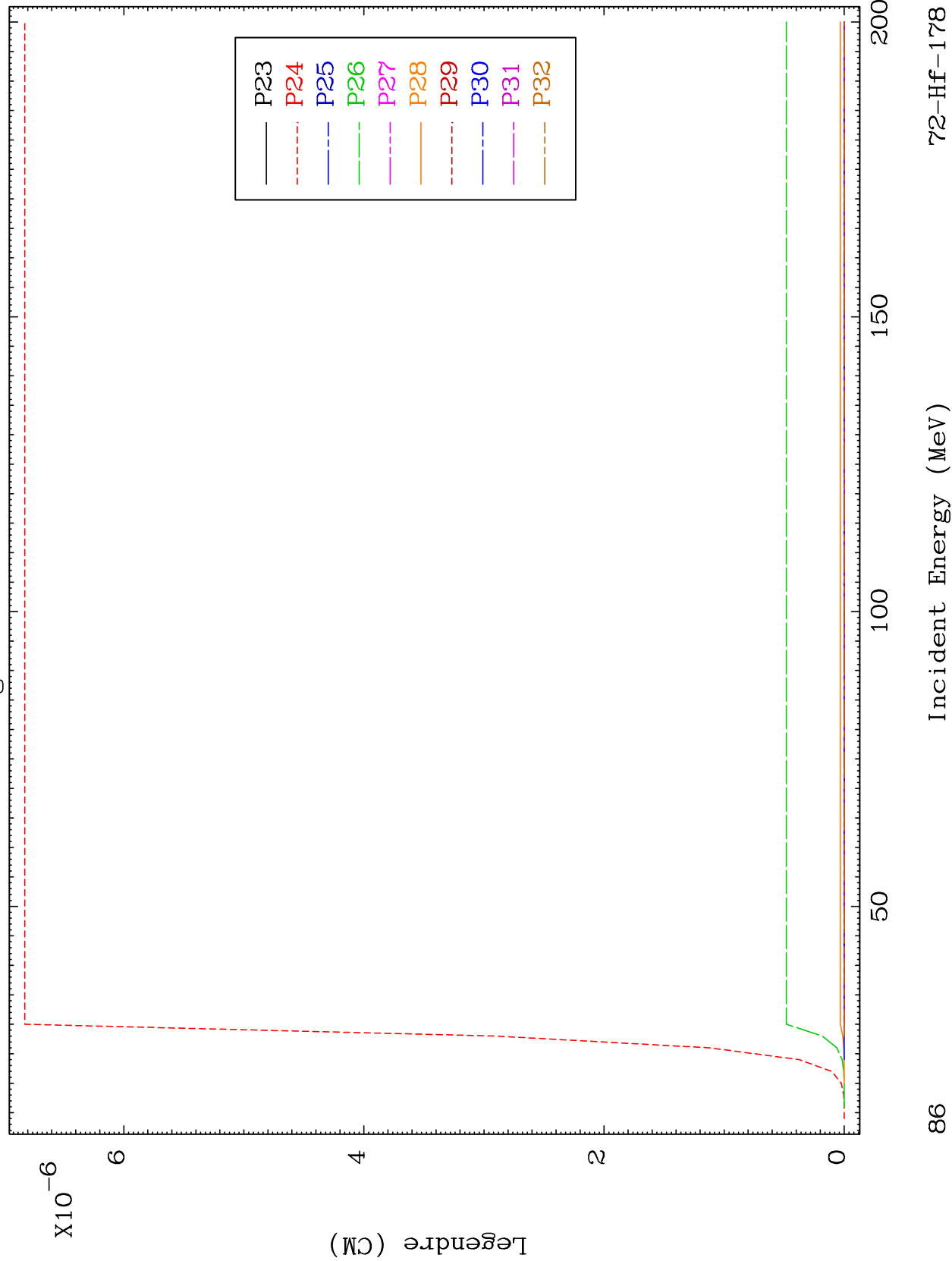
Incident Energy (MeV)

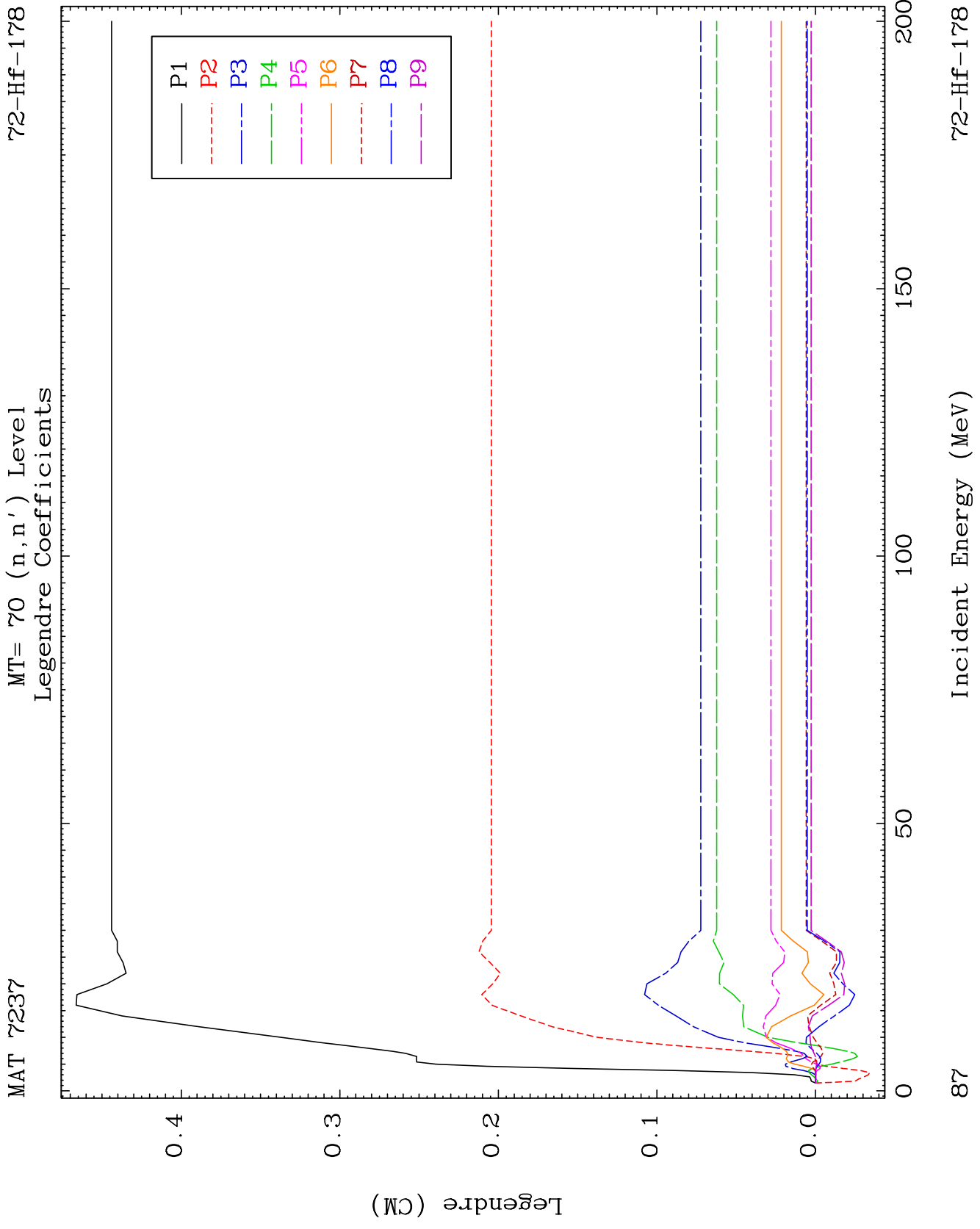
72-Hf-178

MAT 7237

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

72-Hf-178



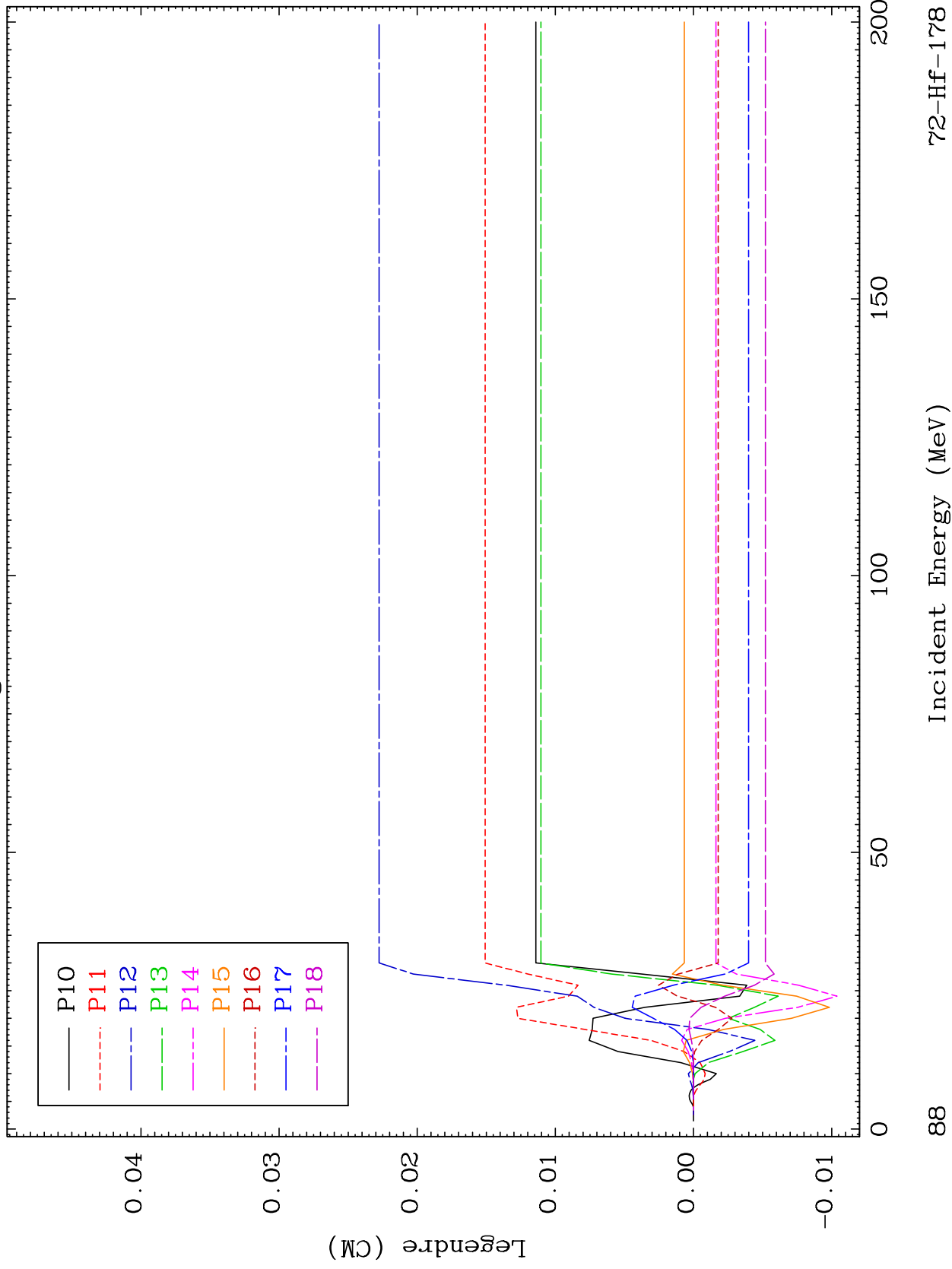




MAT 7237

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

72-Hf-178



88

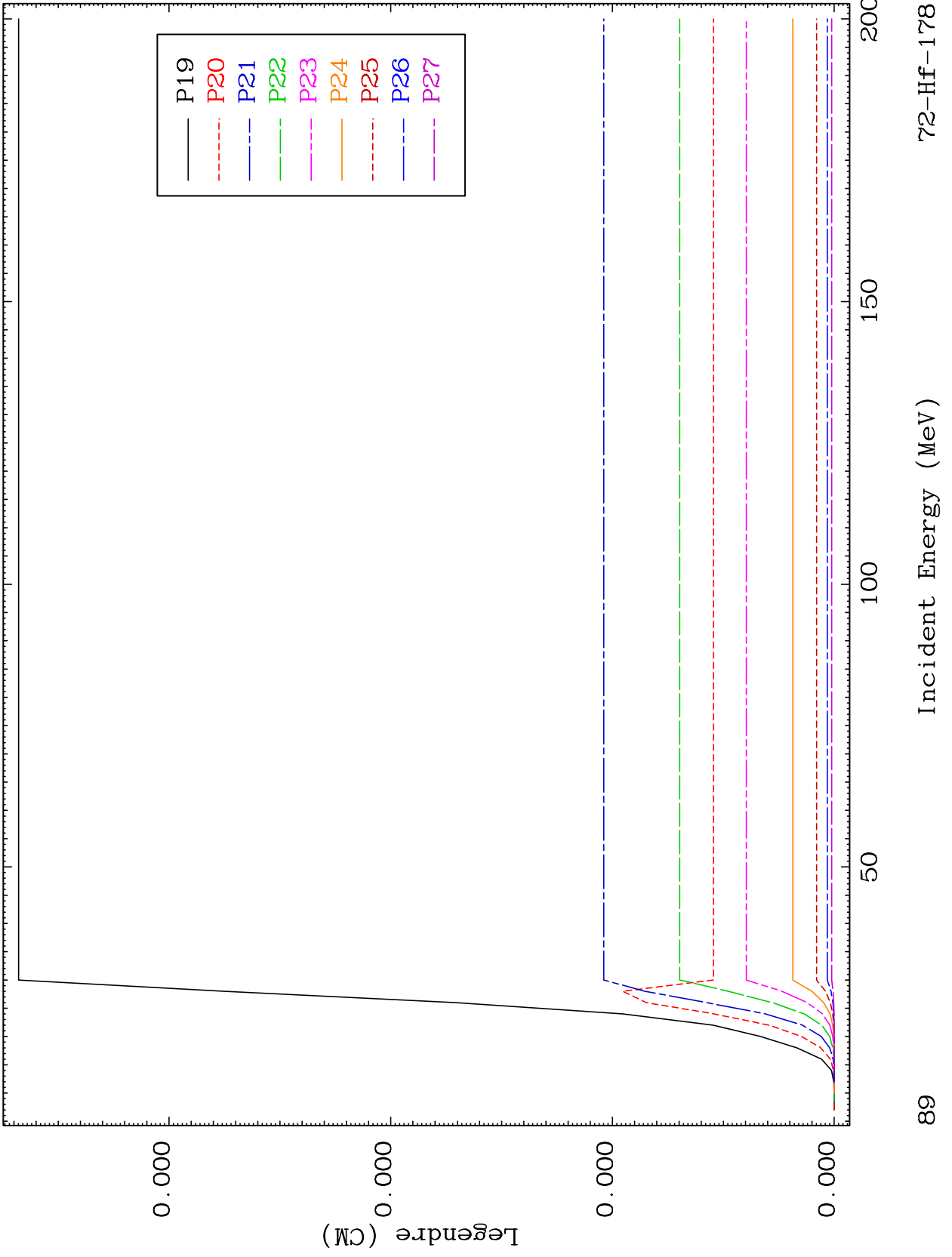
Incident Energy (MeV)

72-Hf-178

MAT 7237

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

72-Hf-178



89

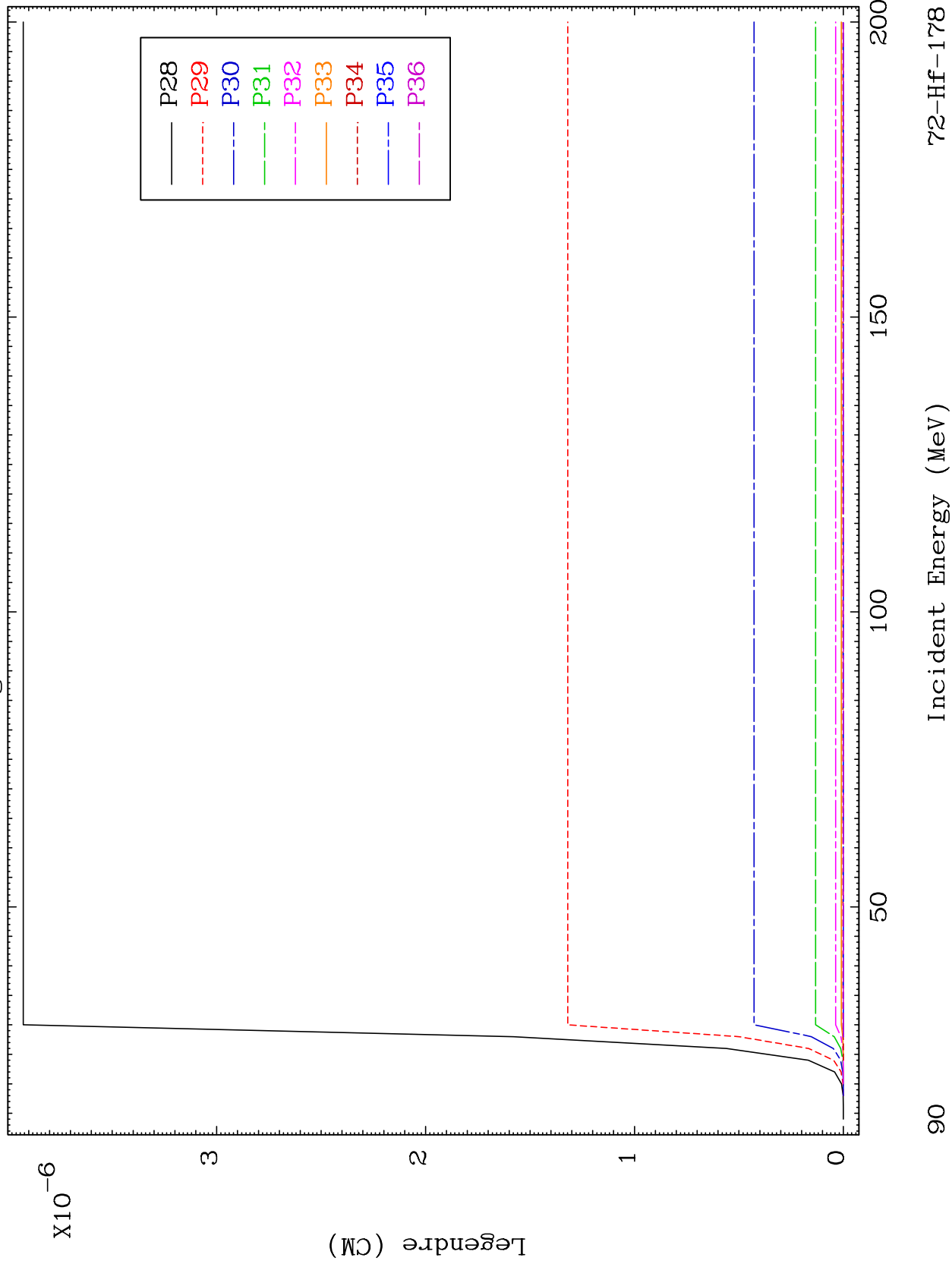
Incident Energy (MeV)

72-Hf-178

MAT 7237

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

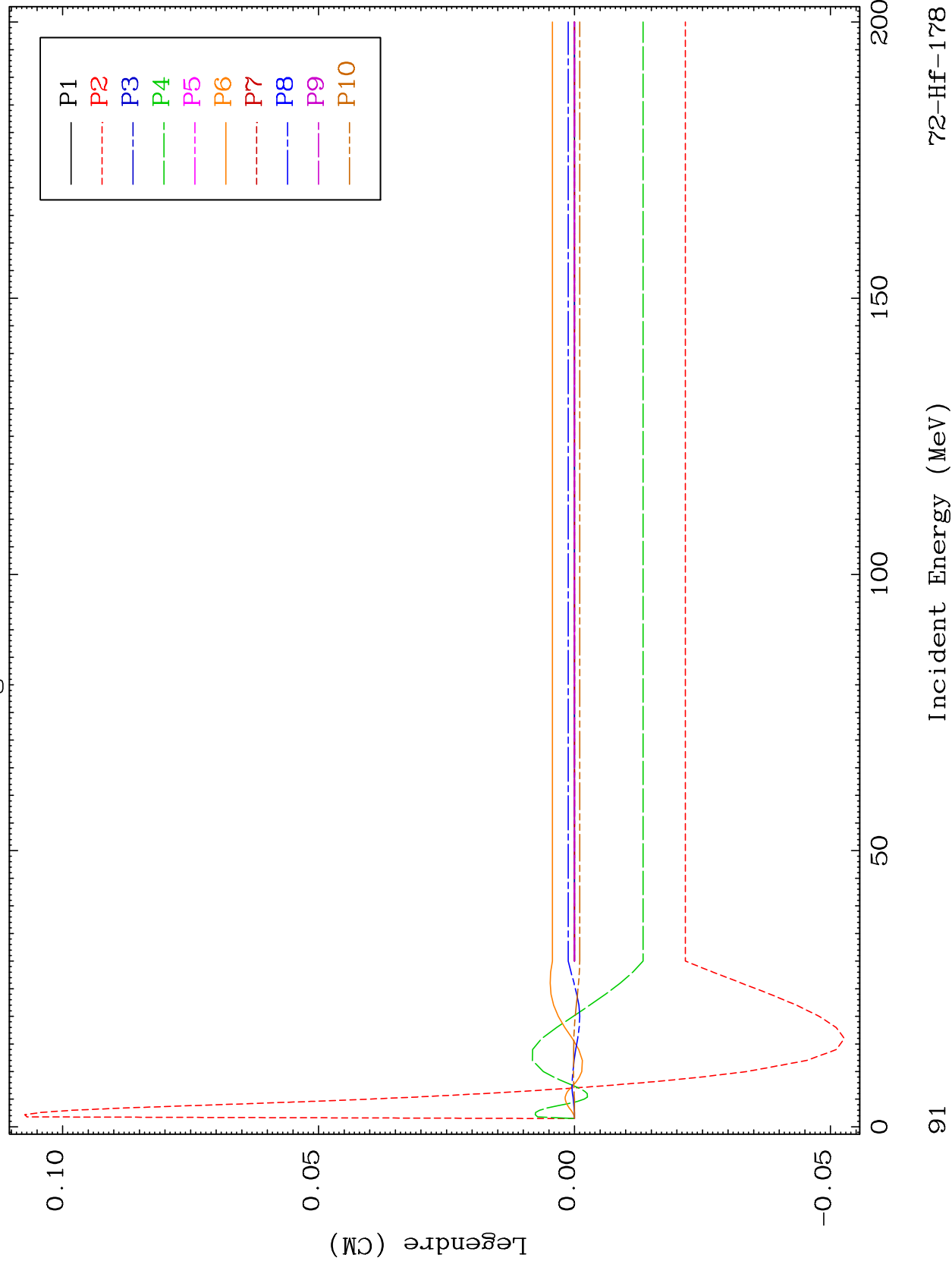
72-Hf-178



MAT 7237

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

72-Hf-178



91

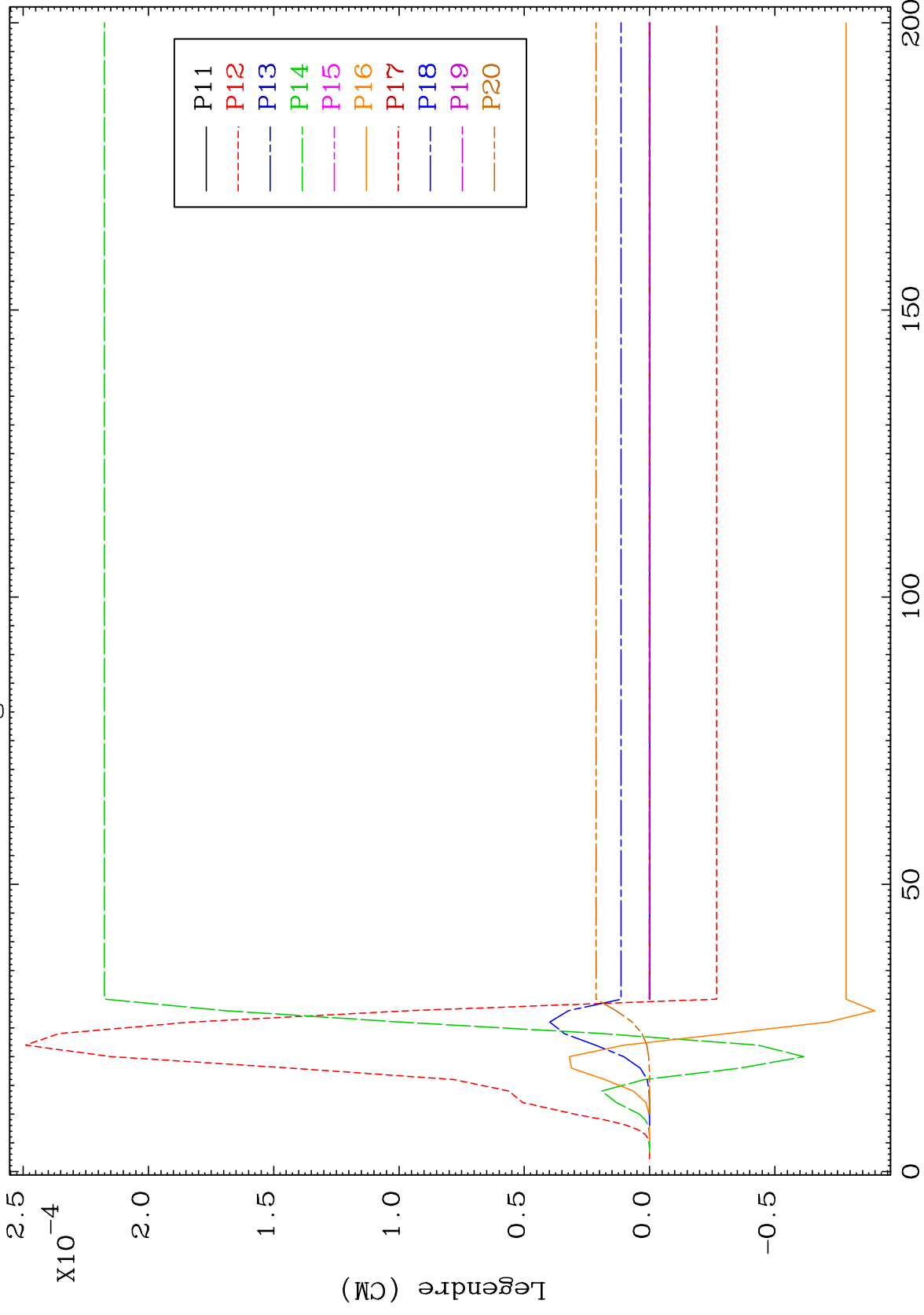
Incident Energy (MeV)

72-Hf-178

MAT 7237

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

72-Hf-178



92

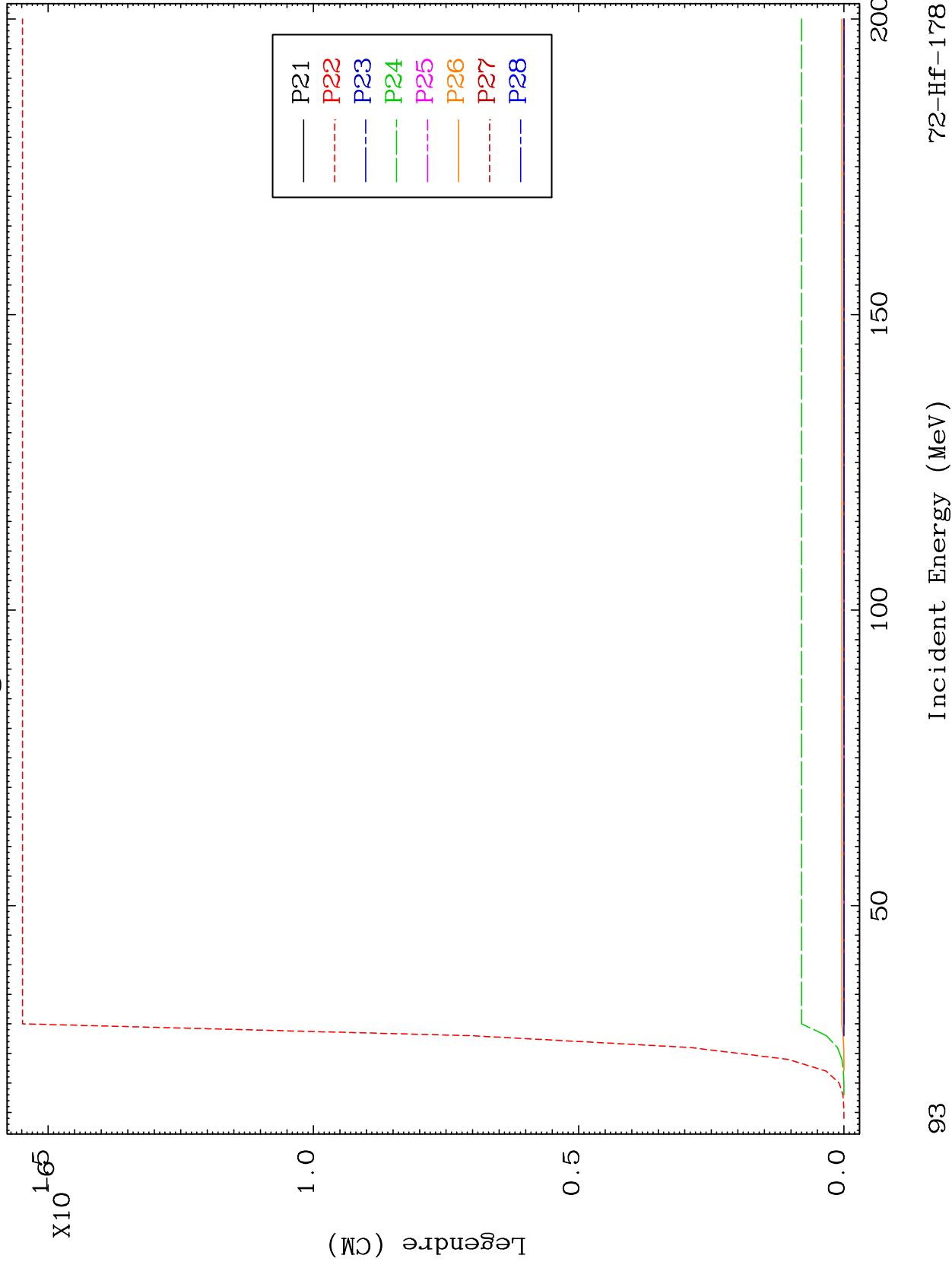
Incident Energy (MeV)

72-Hf-178

MAT 7237

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

72-Hf-178



93

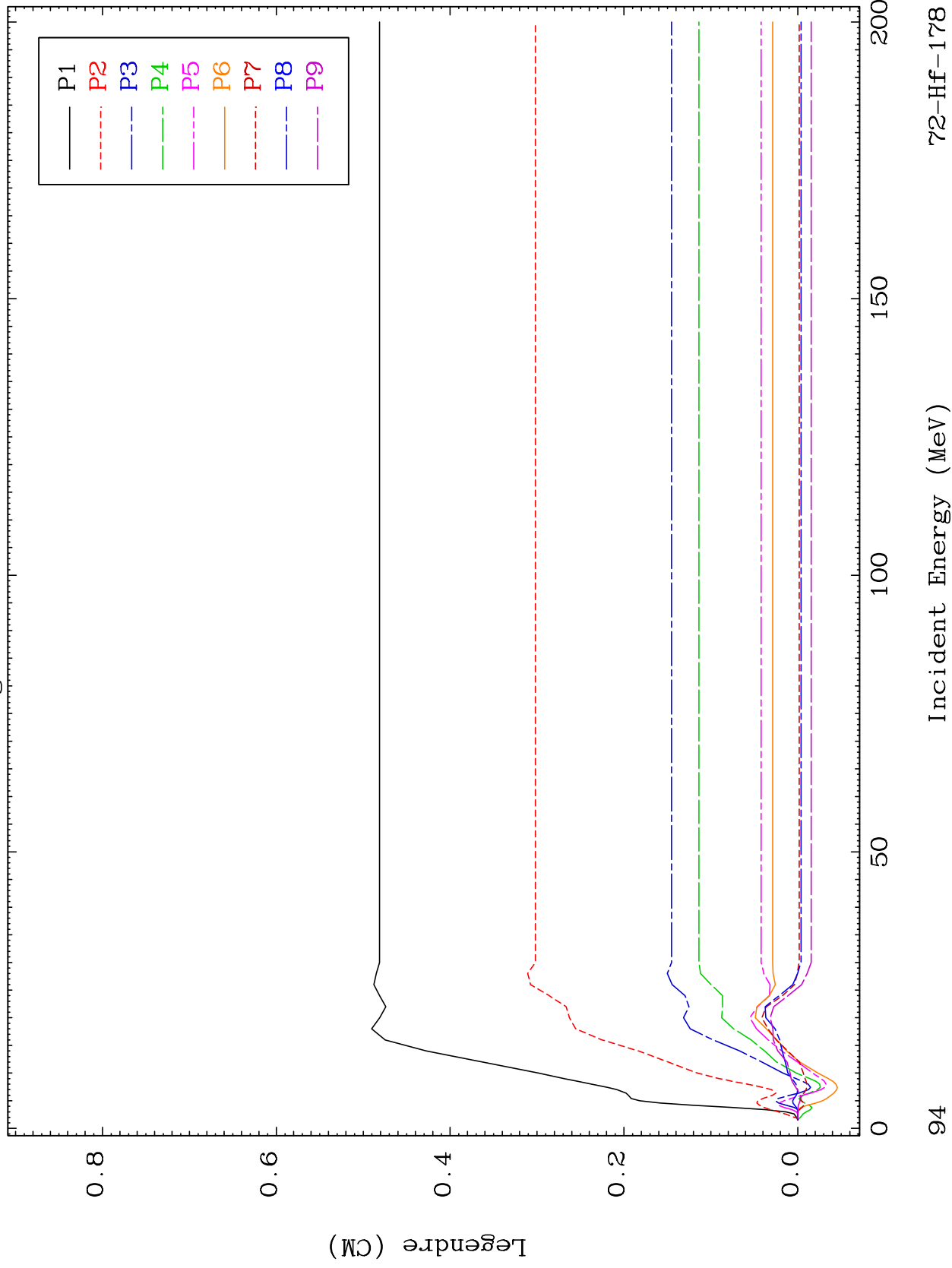
Incident Energy (MeV)

72-Hf-178

MAT 7237

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

72-Hf-178



72-Hf-178

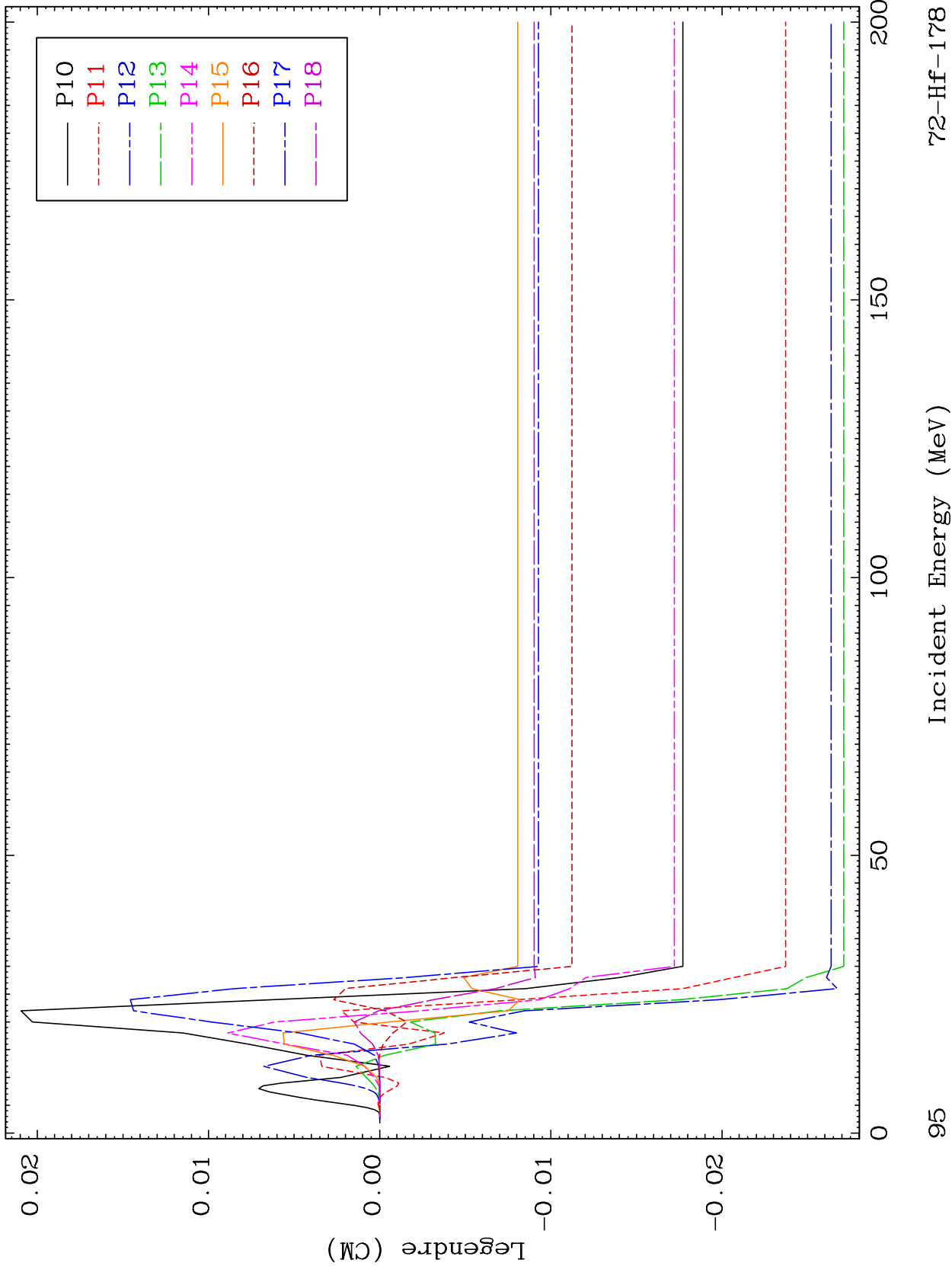
Incident Energy (MeV)

94

MAT 7237

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

72-Hf-178



72-Hf-178

Incident Energy (MeV)

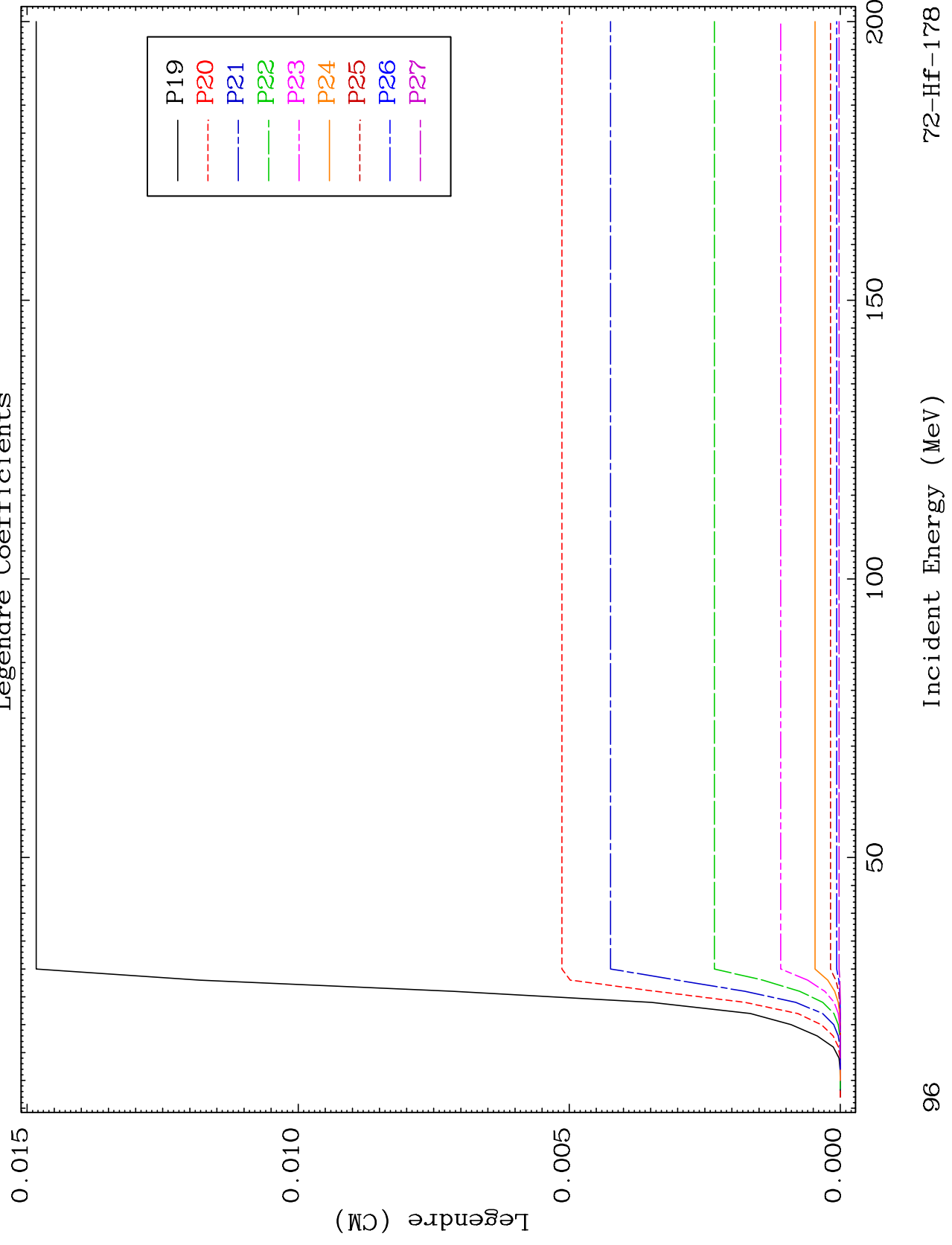
95



MAT 7237

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

72-Hf-178



96

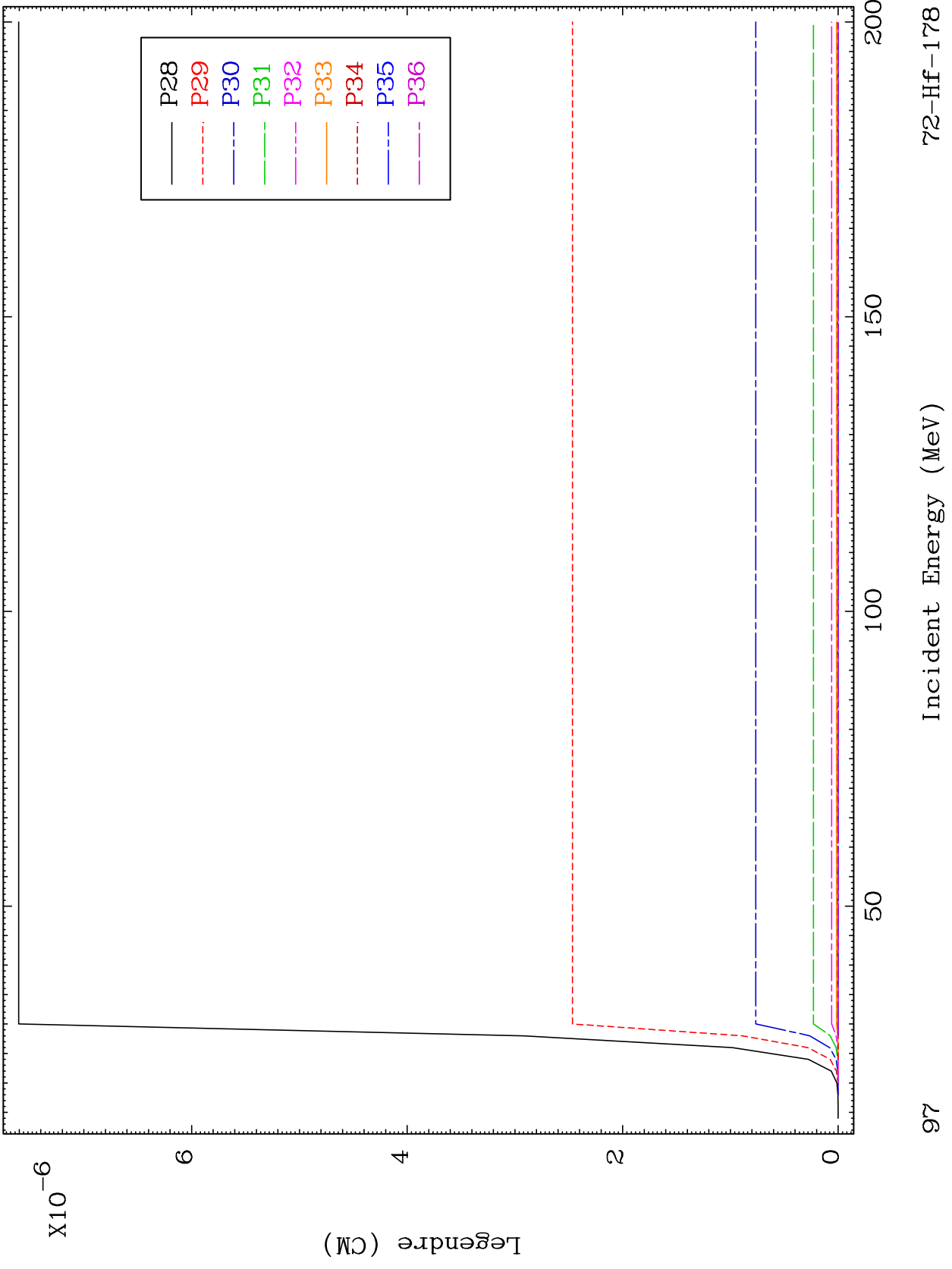
Incident Energy (MeV)

72-Hf-178

MAT 7237

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

72-Hf-178



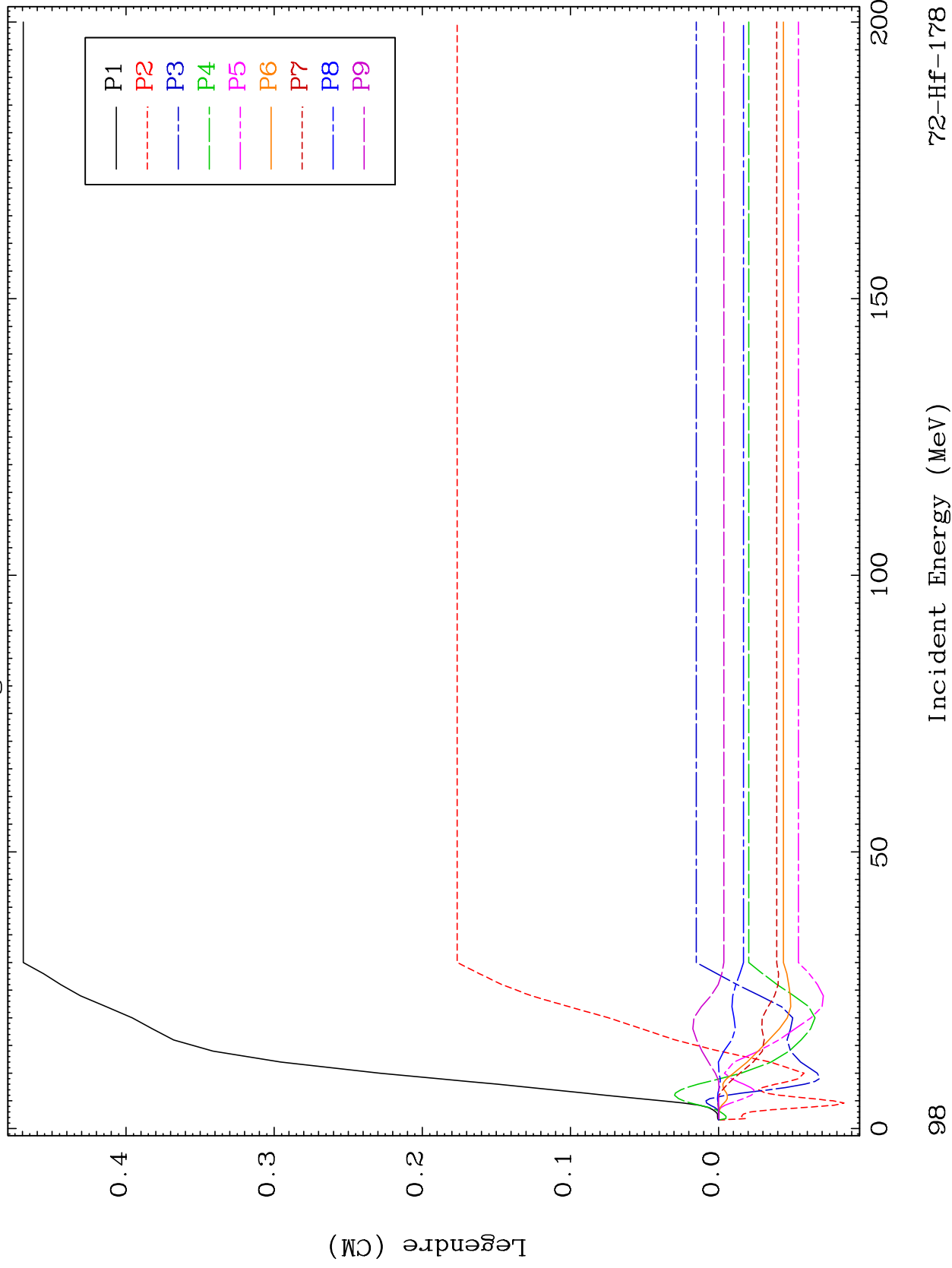
97

72-Hf-178

MAT 7237

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

72-Hf-178



72-Hf-178

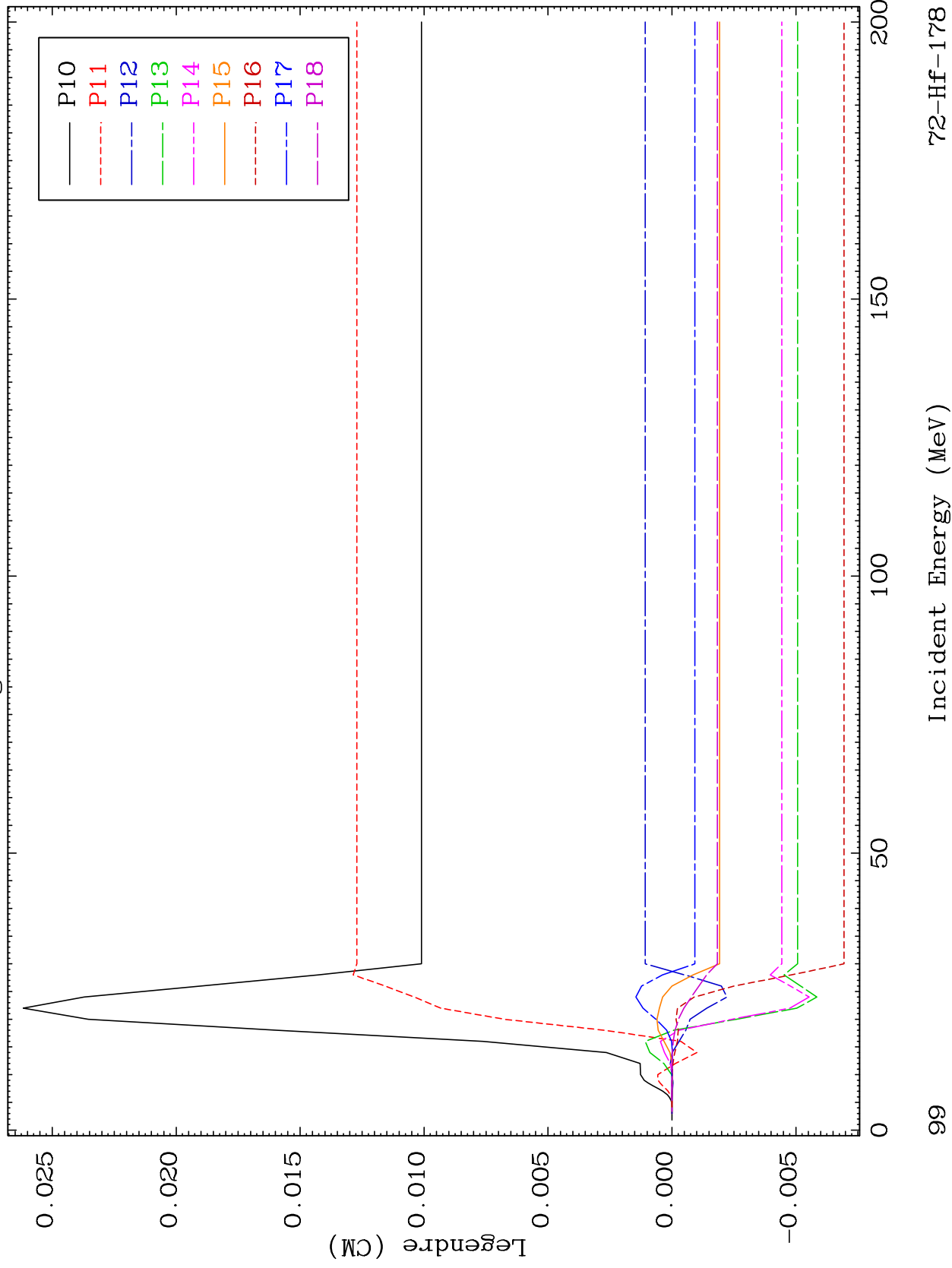
Incident Energy (MeV)

98

MAT 7237

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

72-Hf-178



99

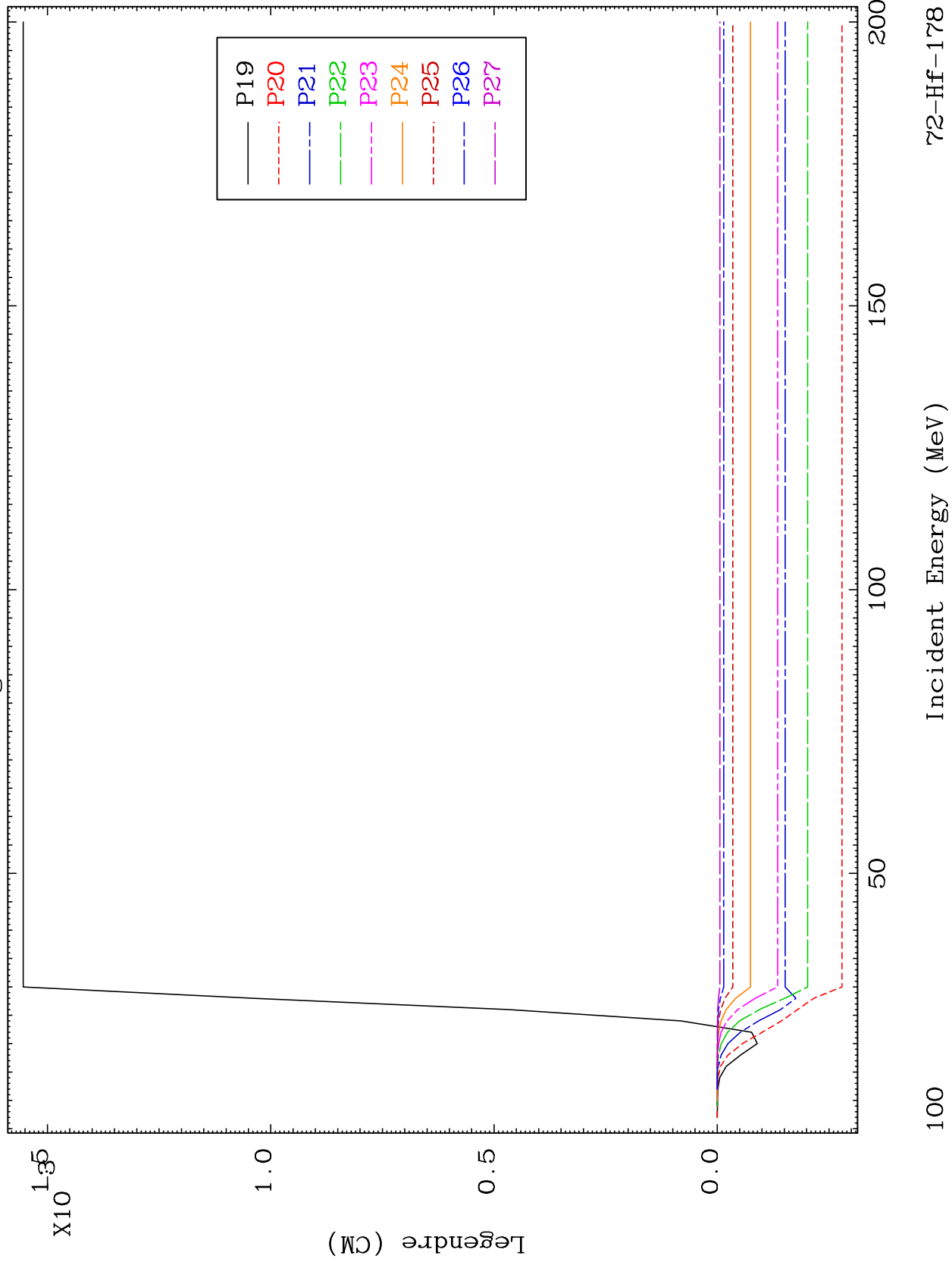
Incident Energy (MeV)

72-Hf-178

MAT 7237

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

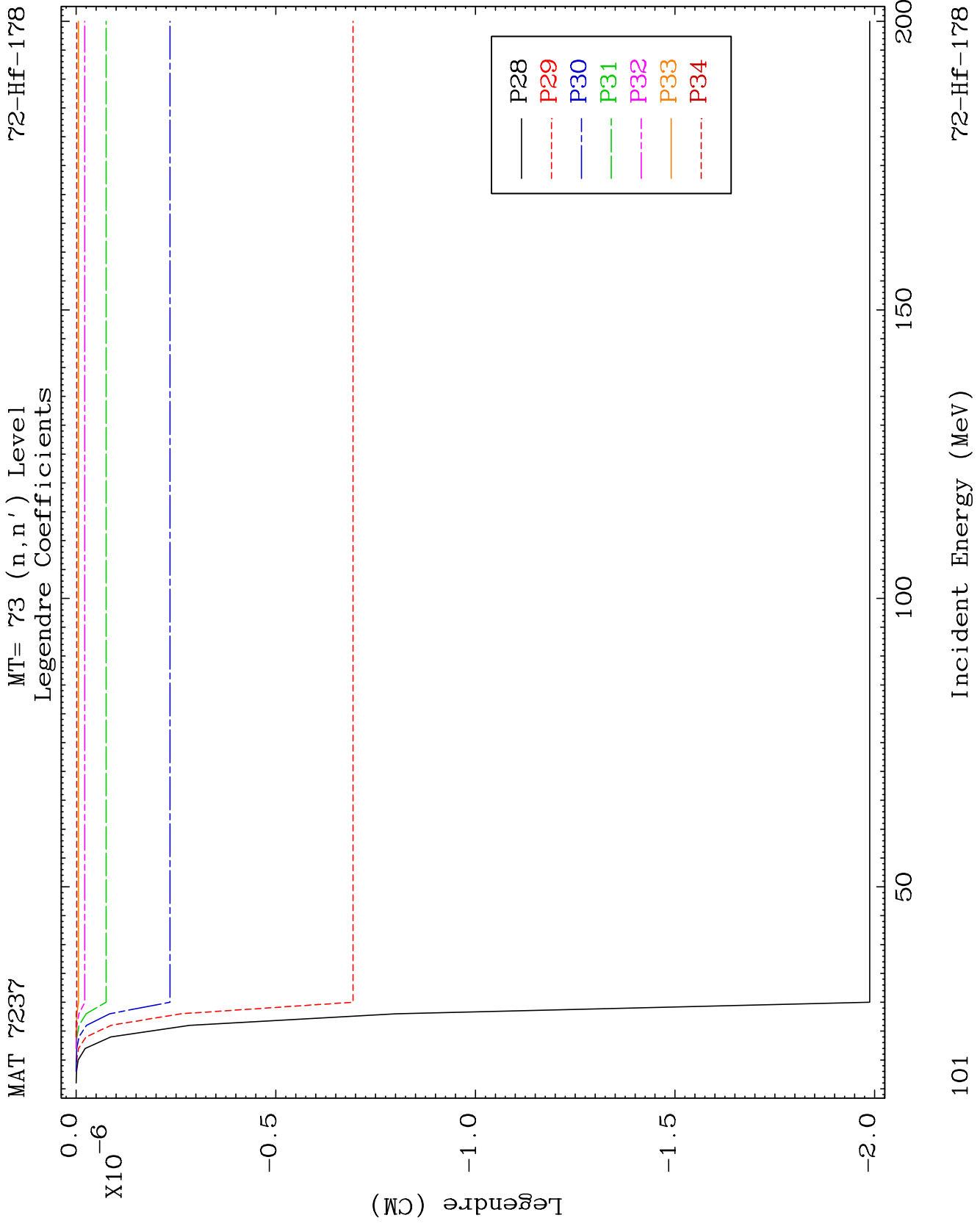
72-Hf-178



72-Hf-178

Incident Energy (MeV)

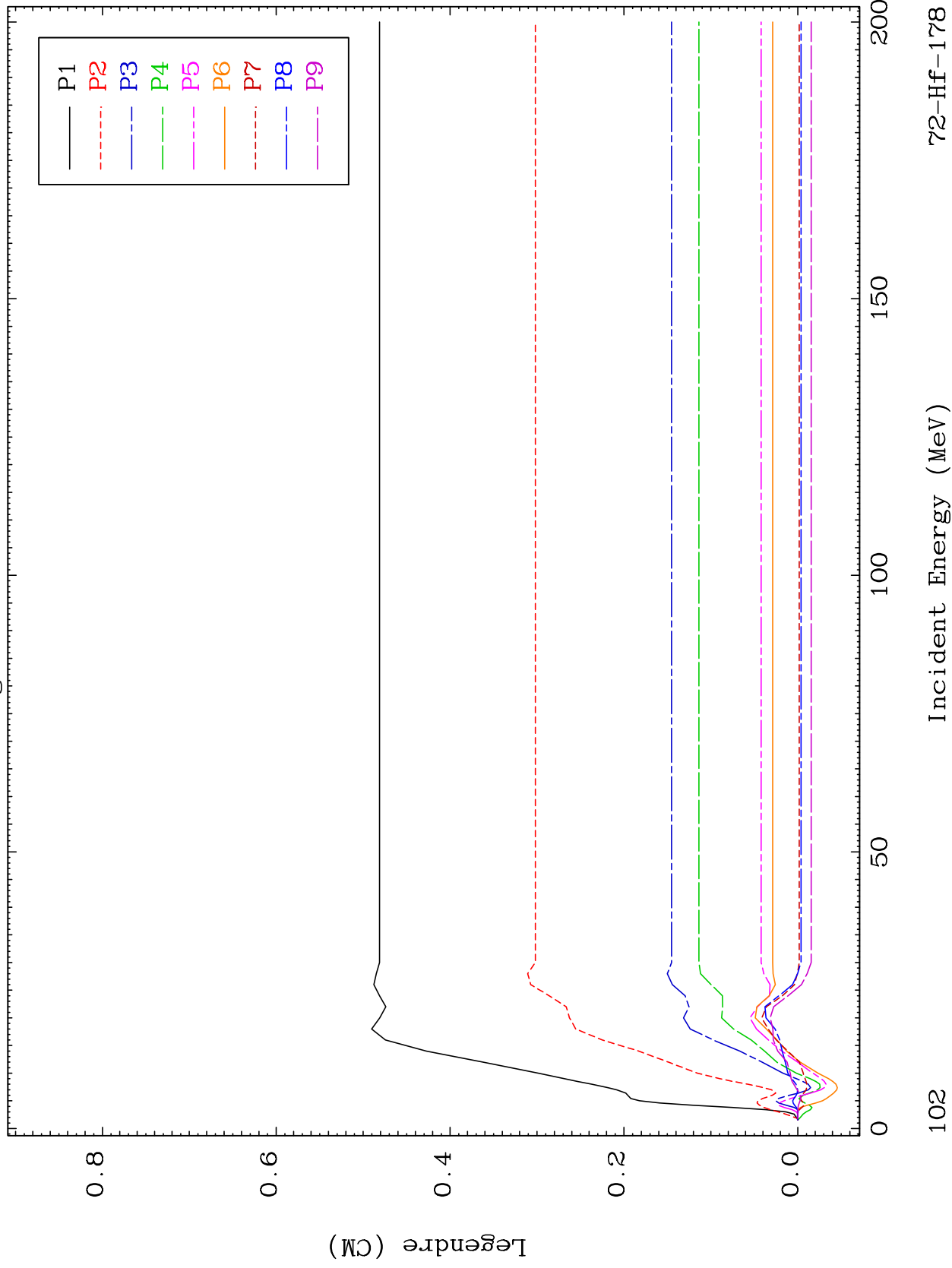
100



MAT 7237

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

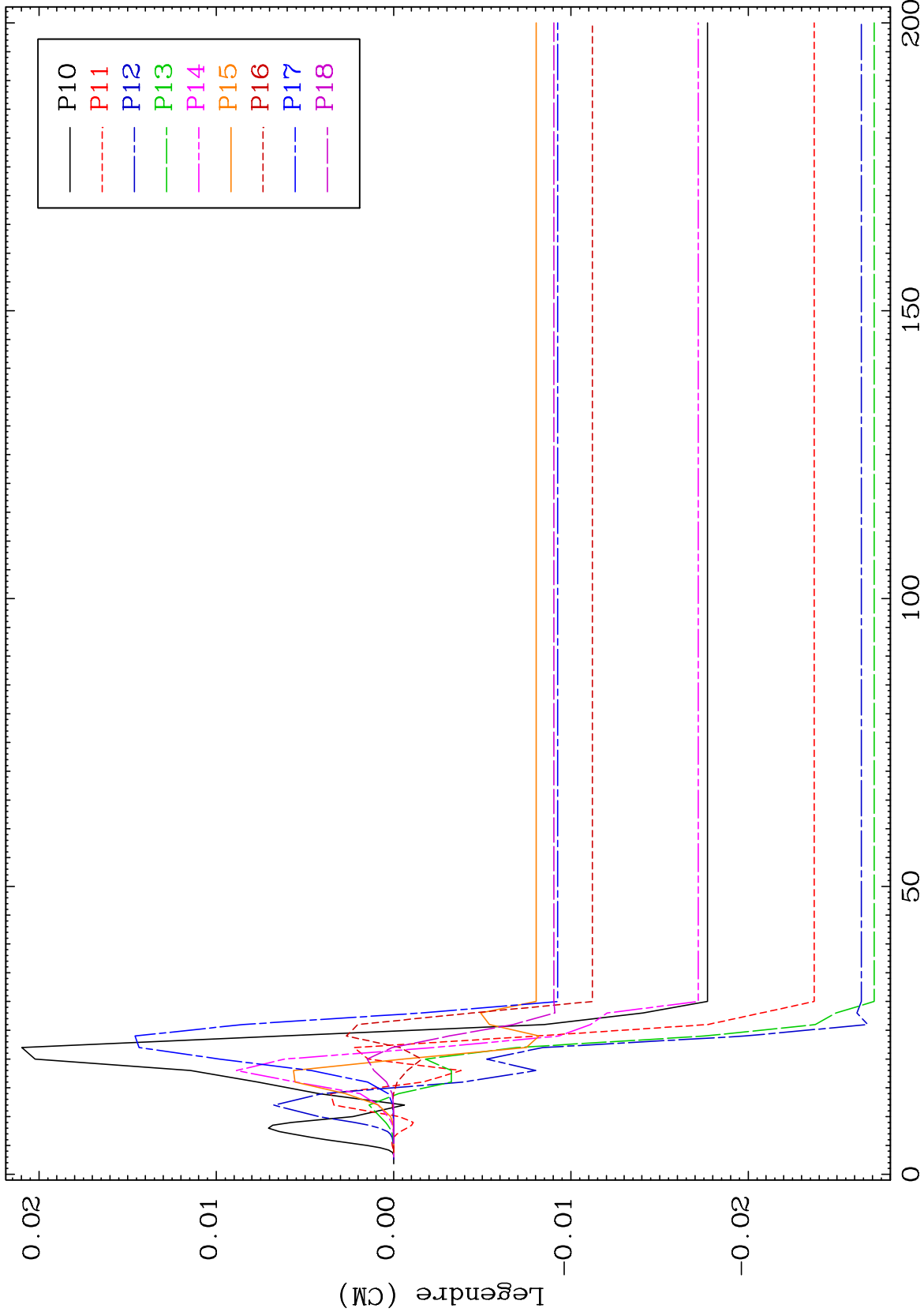
72-Hf-178



MAT 7237

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

72-Hf-178



103

Incident Energy (MeV)

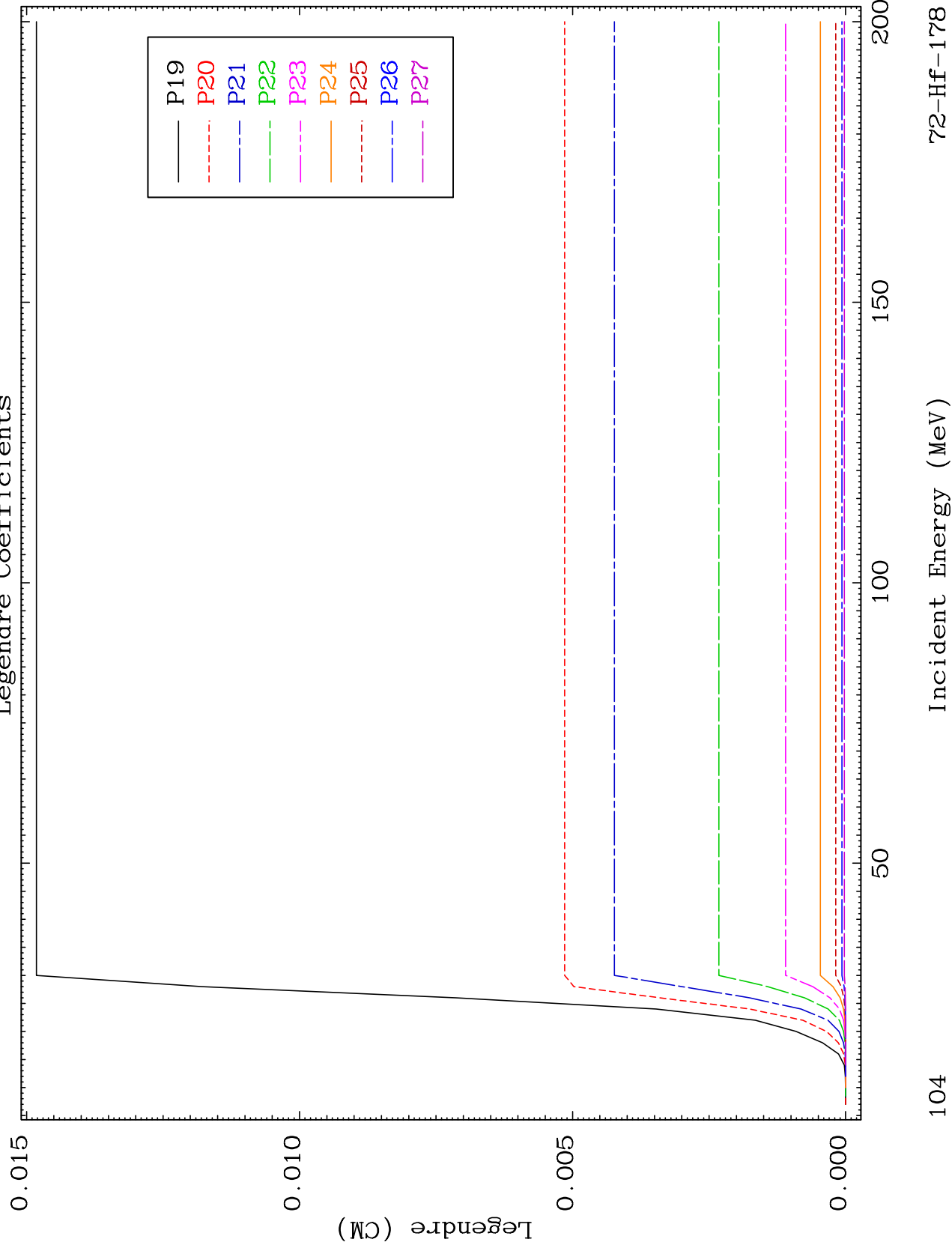
72-Hf-178



MAT 7237

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

72-Hf-178



104

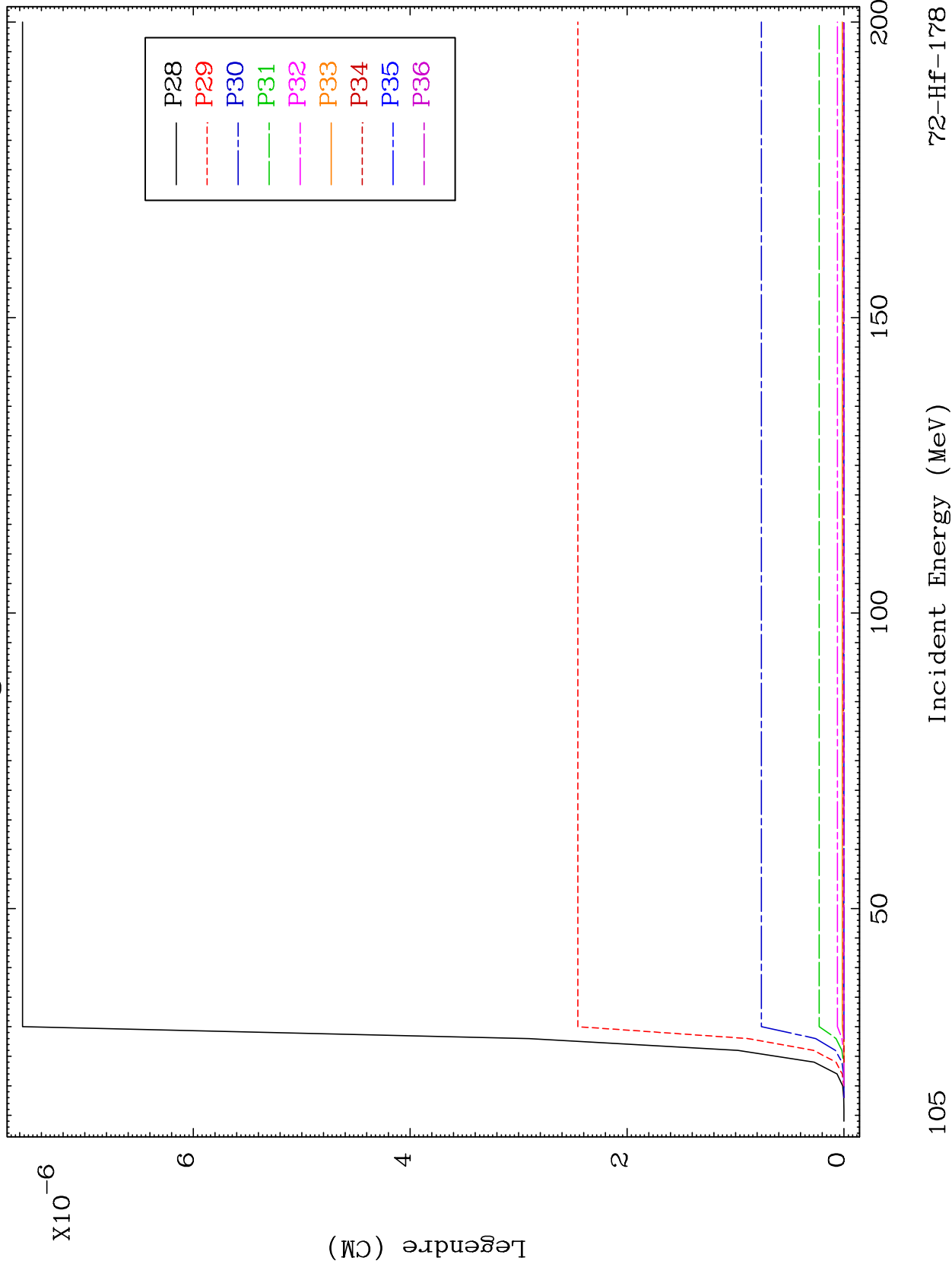
Incident Energy (MeV)

72-Hf-178

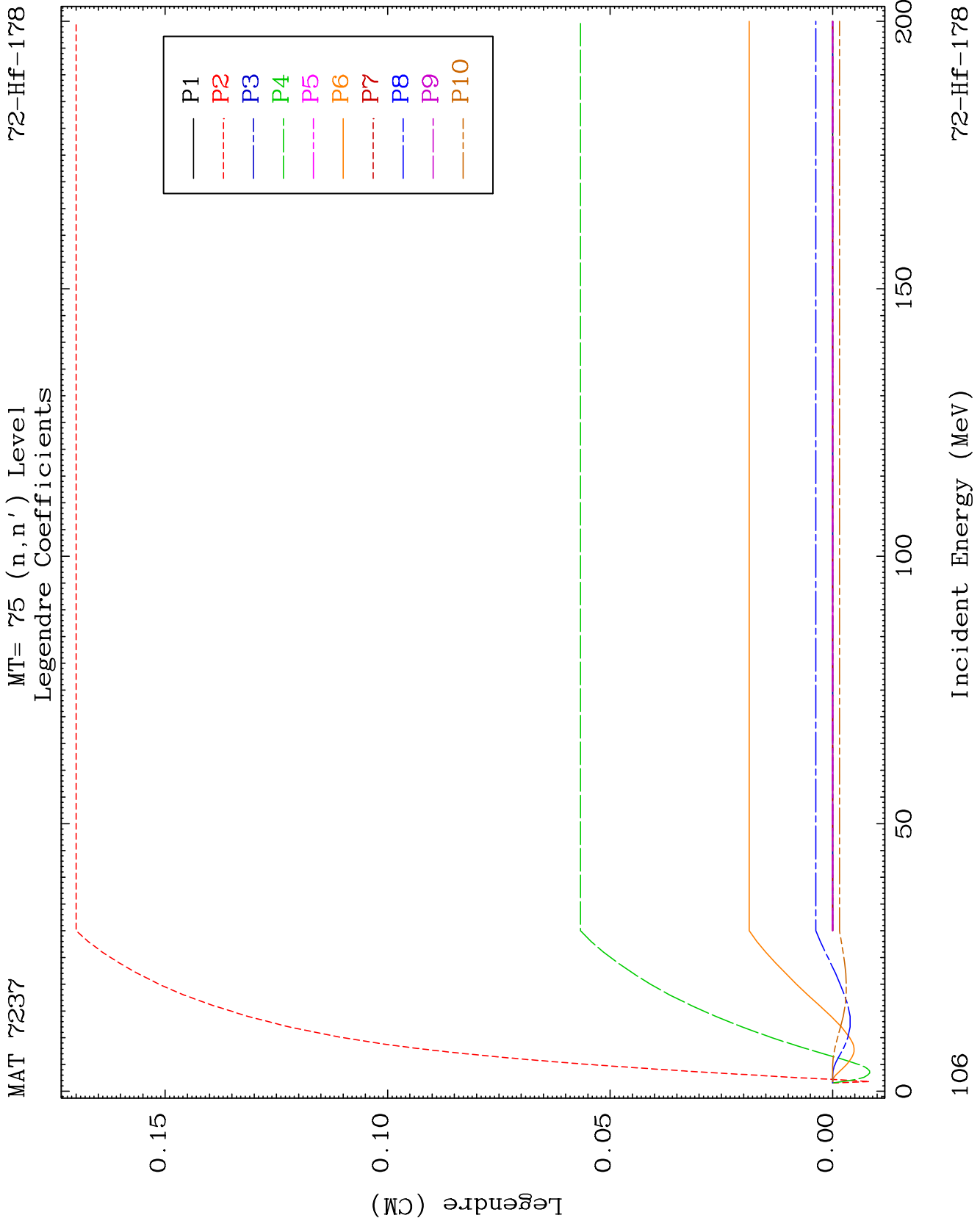
MAT 7237

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

72-Hf-178



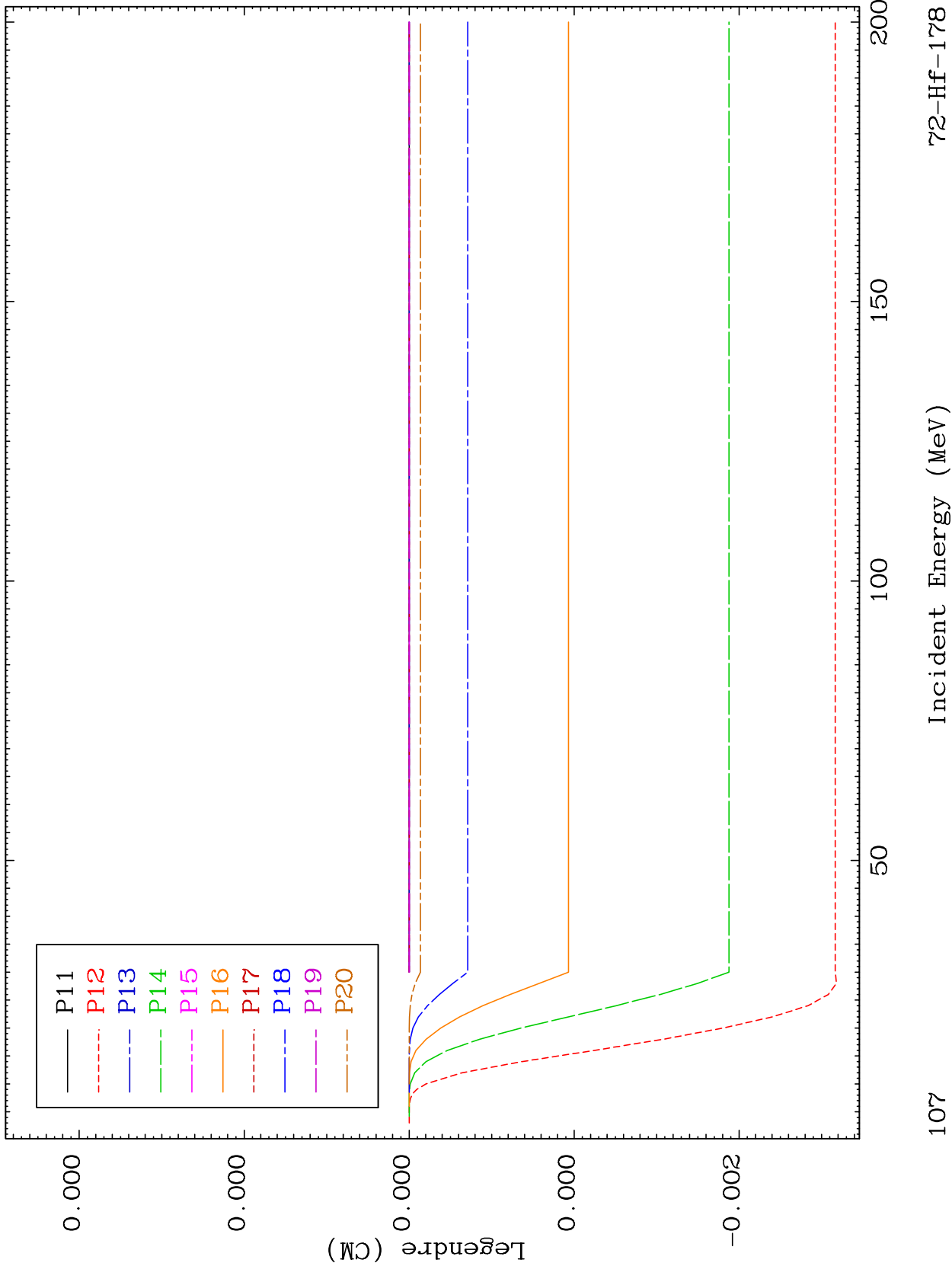
72-Hf-178



MAT 7237

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

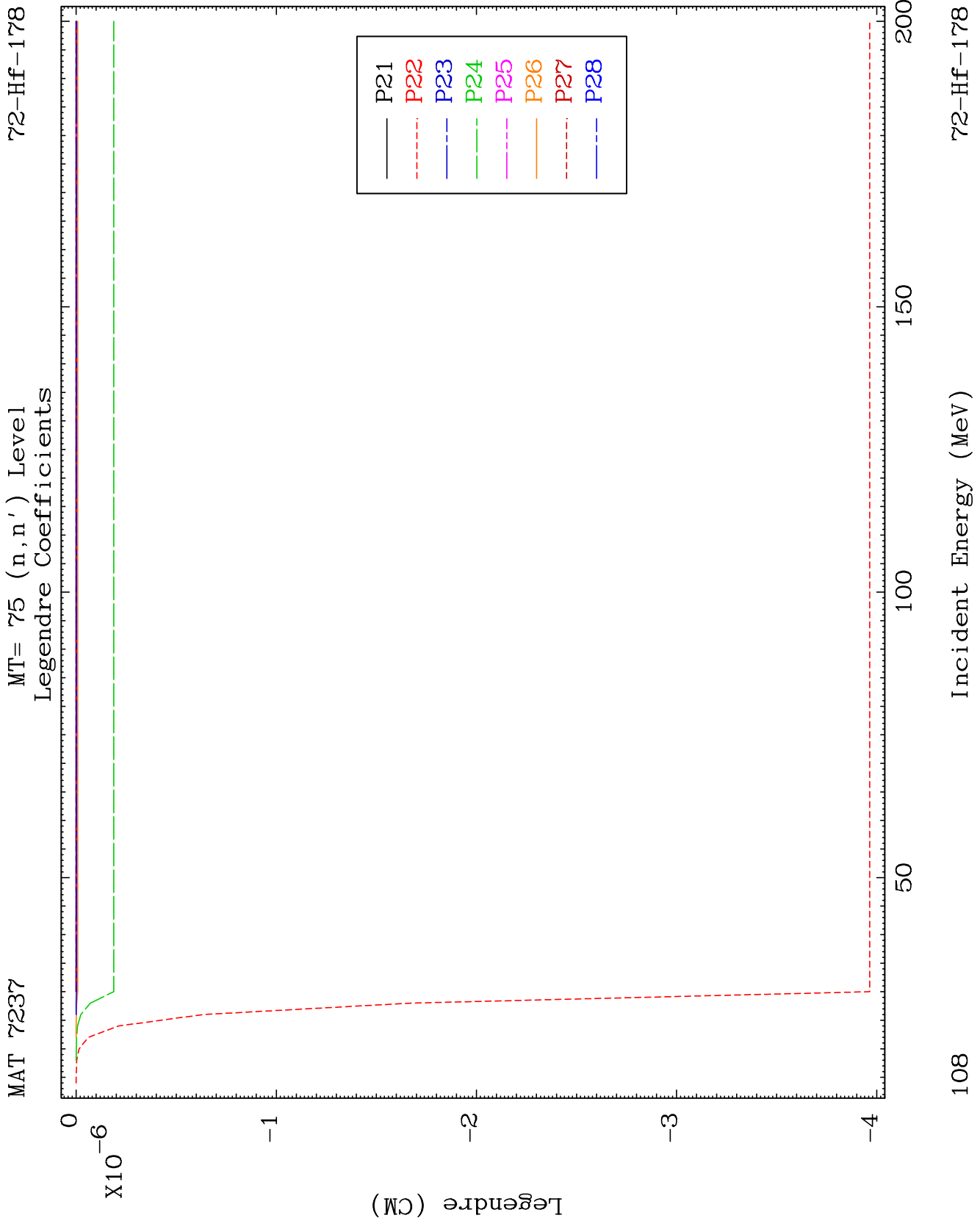
72-Hf-178



107

Incident Energy (MeV)

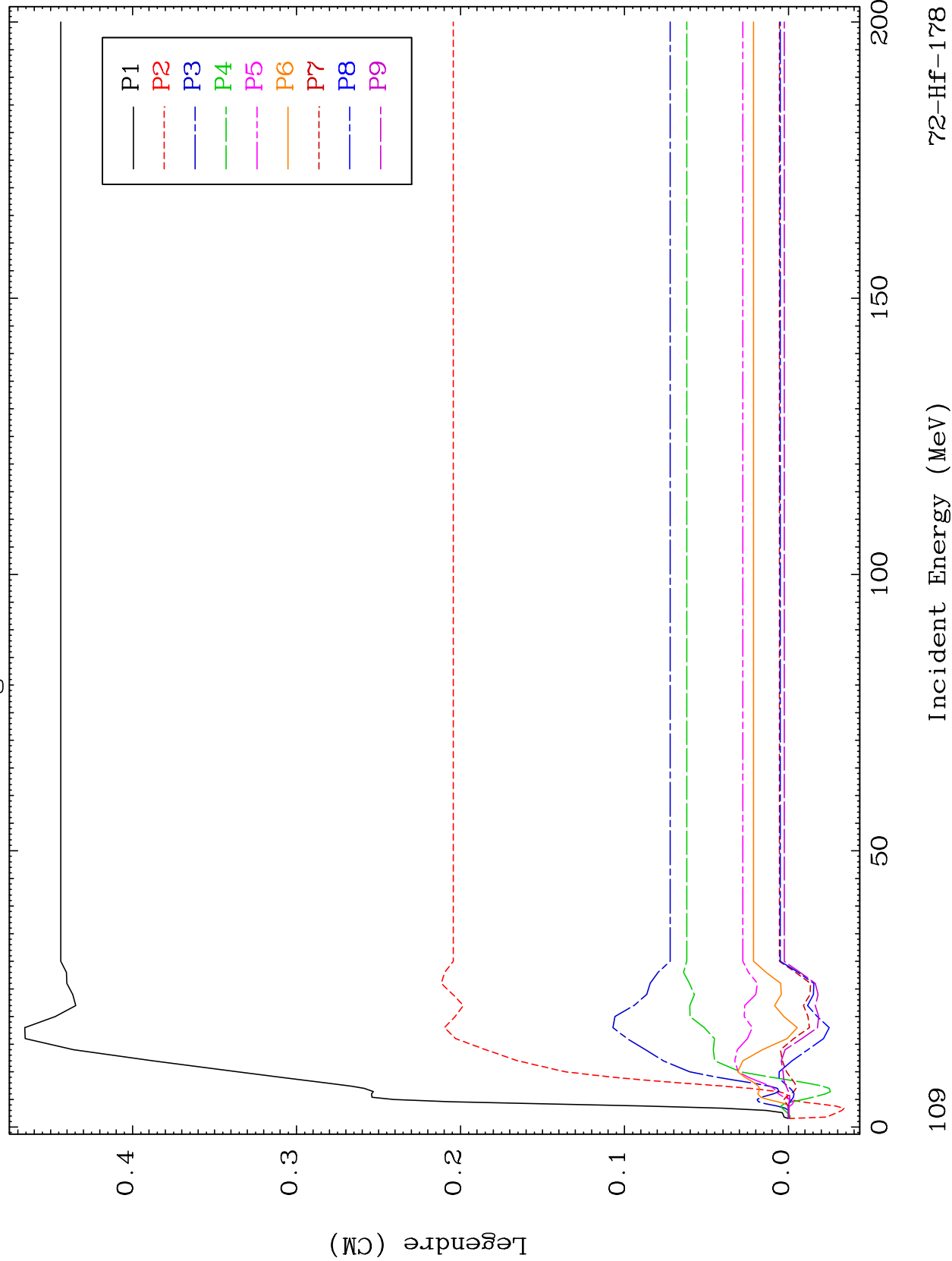
72-Hf-178



MAT 7237

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

72-Hf-178



72-Hf-178

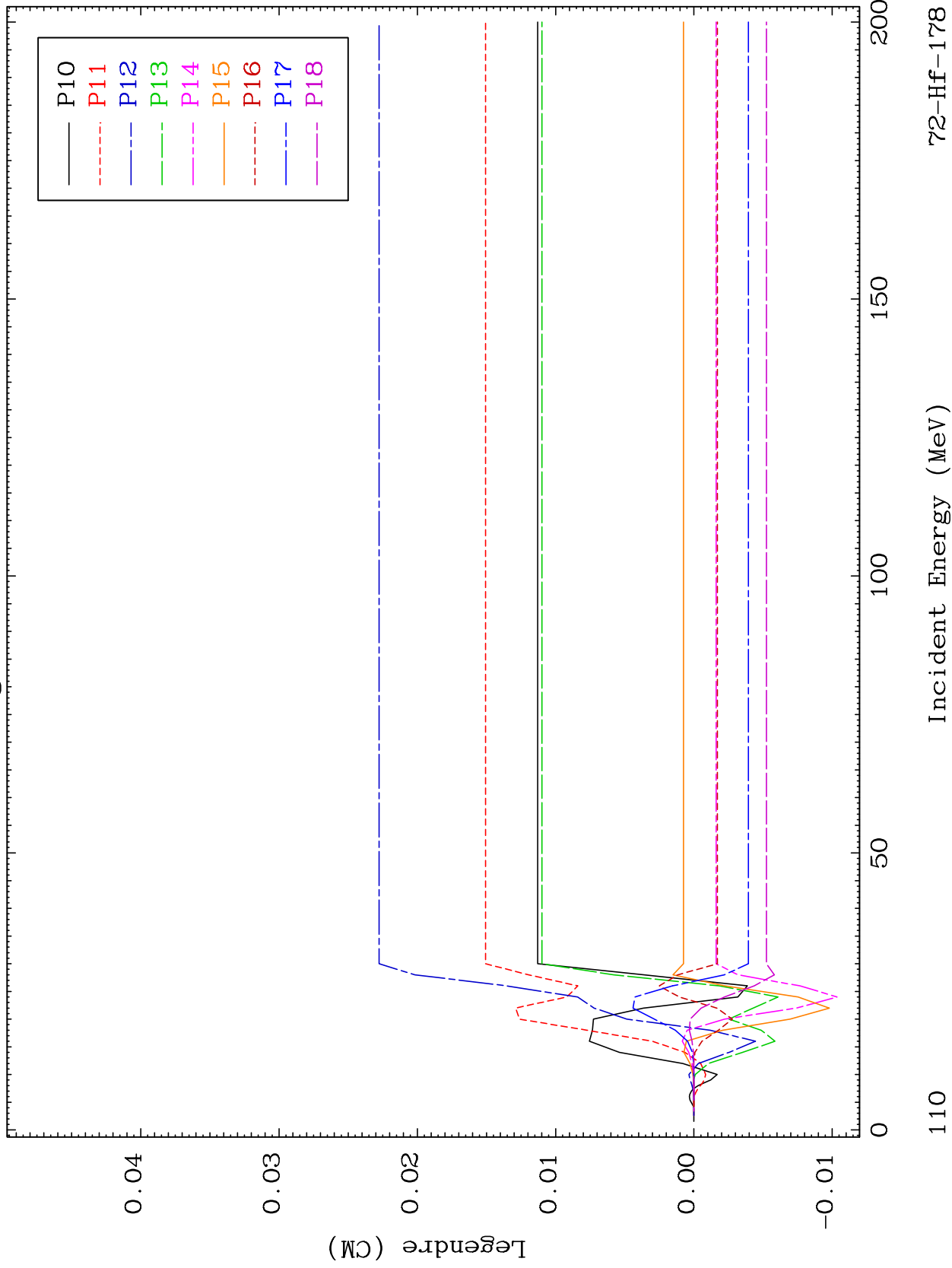
Incident Energy (MeV)

109

MAT 7237

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

72-Hf-178



72-Hf-178

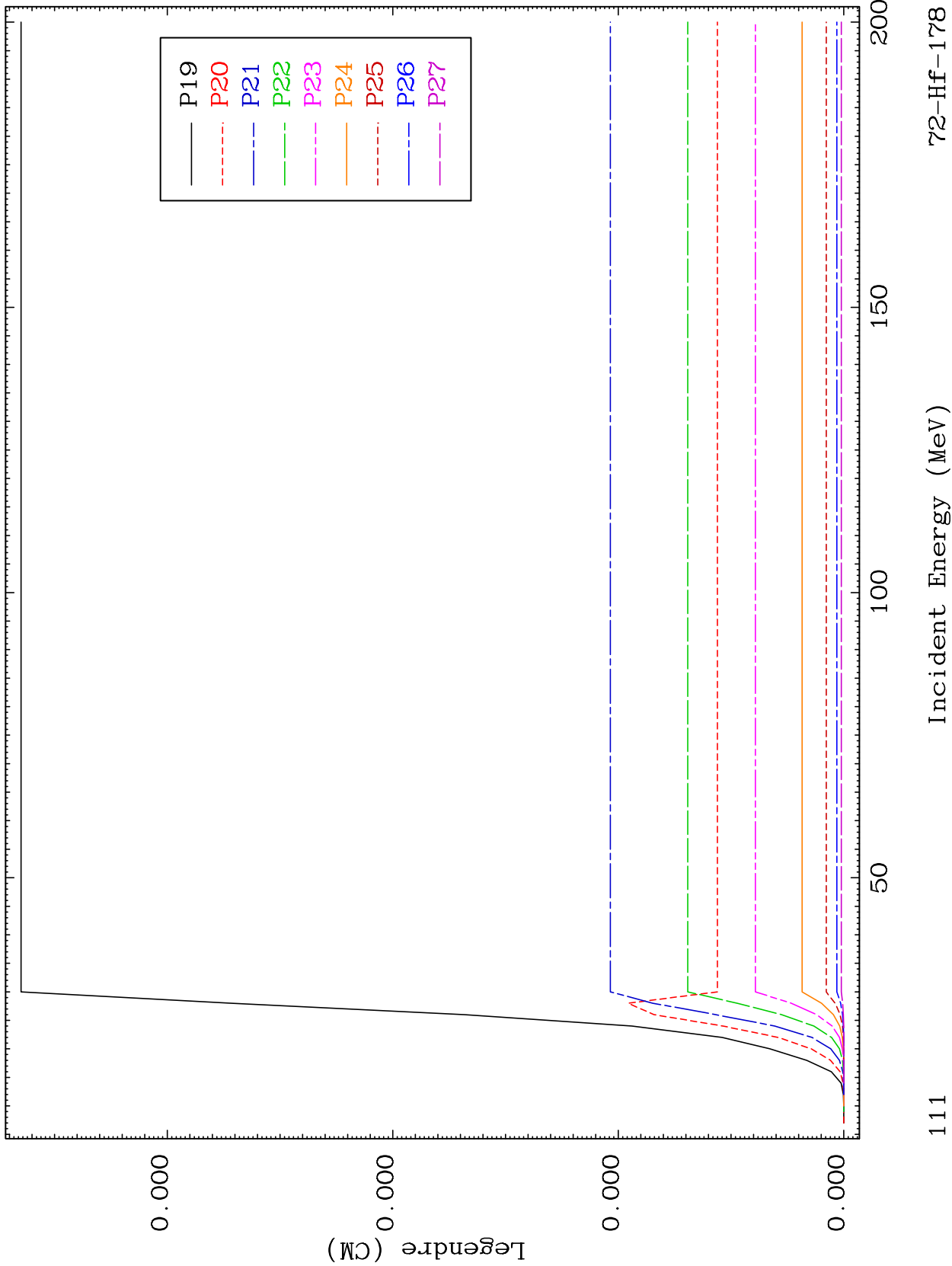
Incident Energy (MeV)

110

MAT 7237

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

72-Hf-178



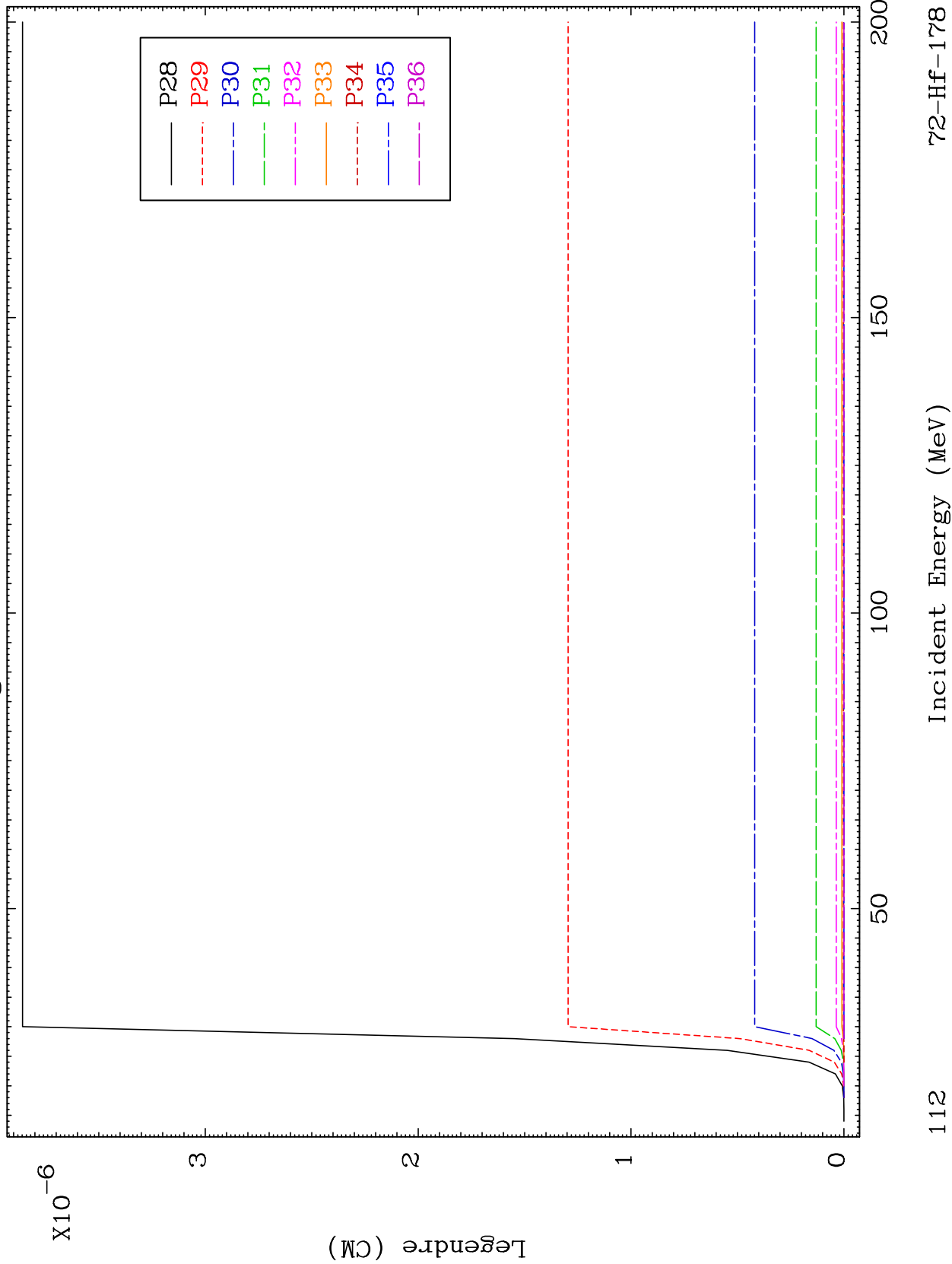
111



MAT 7237

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

72-Hf-178



112

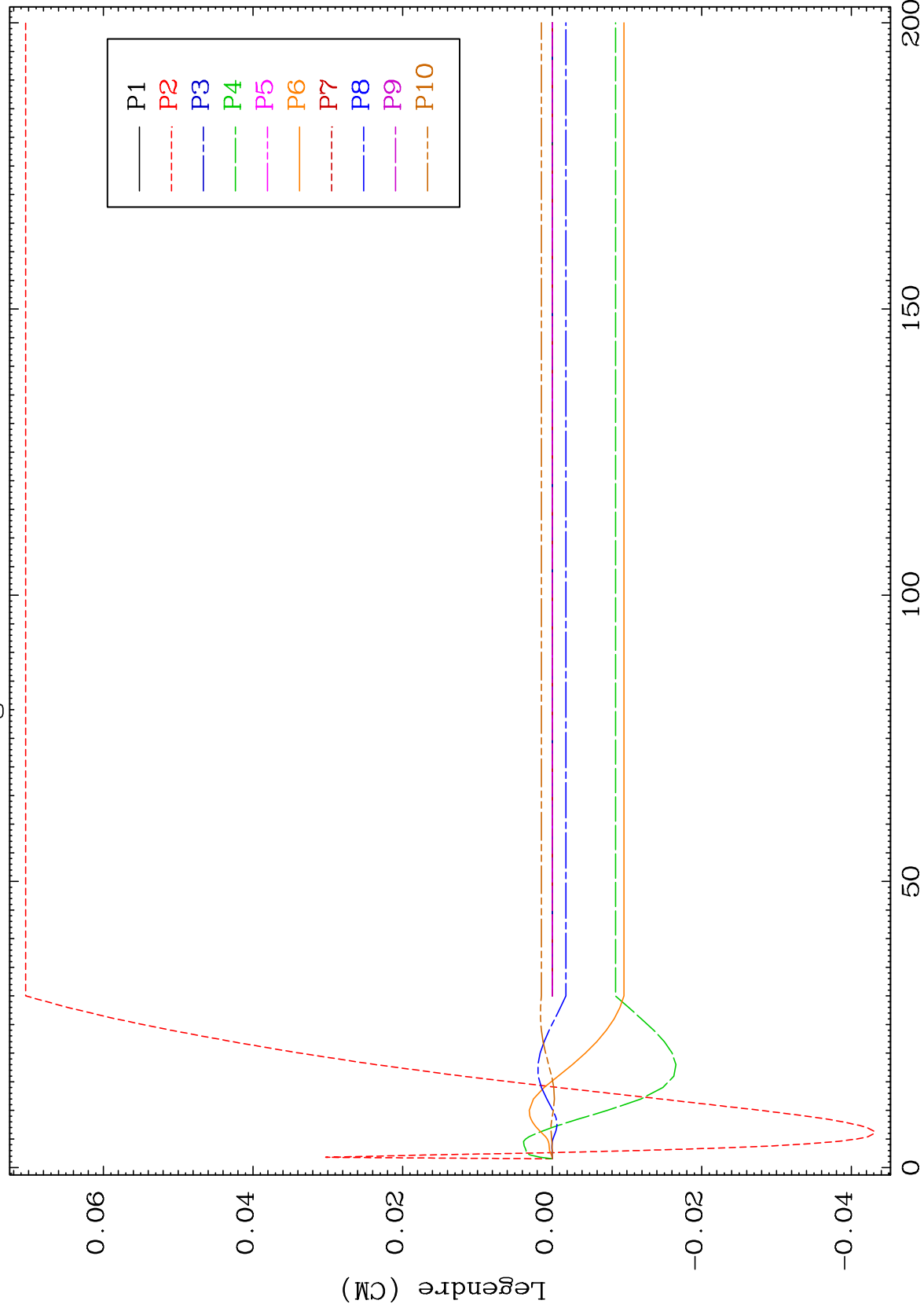
Incident Energy (MeV)

72-Hf-178

MAT 7237

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

72-Hf-178



113

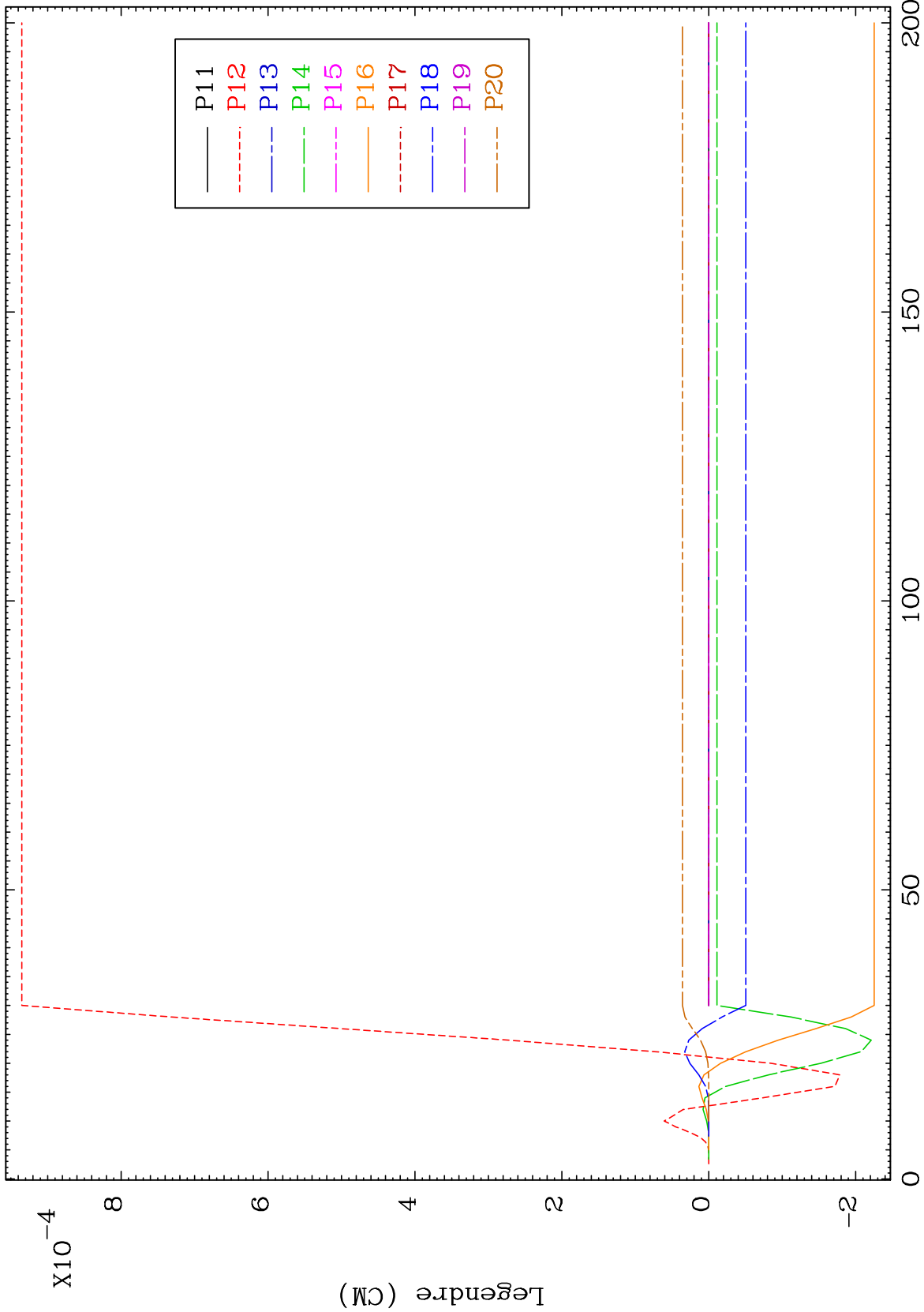
Incident Energy (MeV)

72-Hf-178

MAT 7237

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

72-Hf-178



114

Incident Energy (MeV)

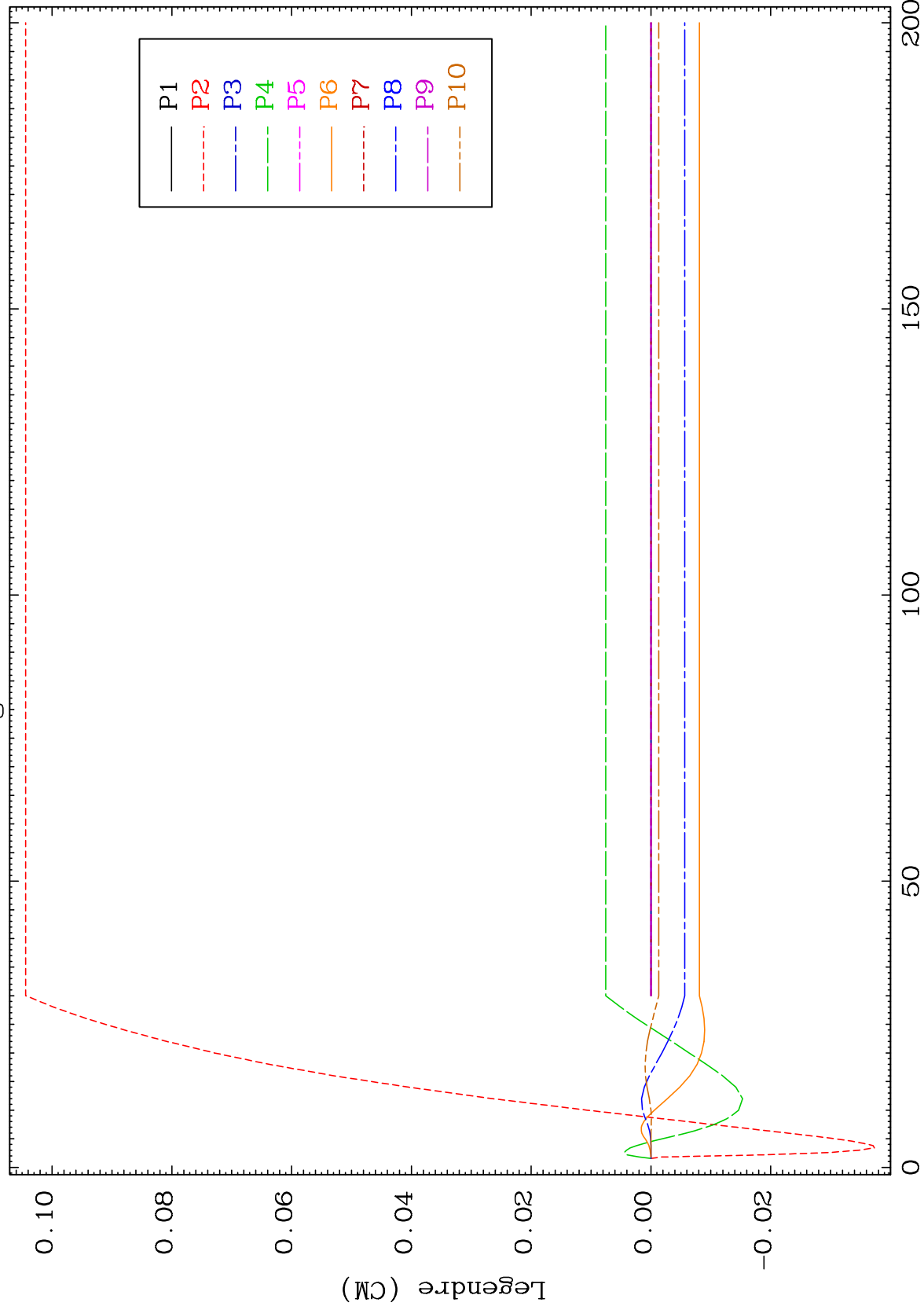
72-Hf-178



MAT 7237

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

72-Hf-178



72-Hf-178

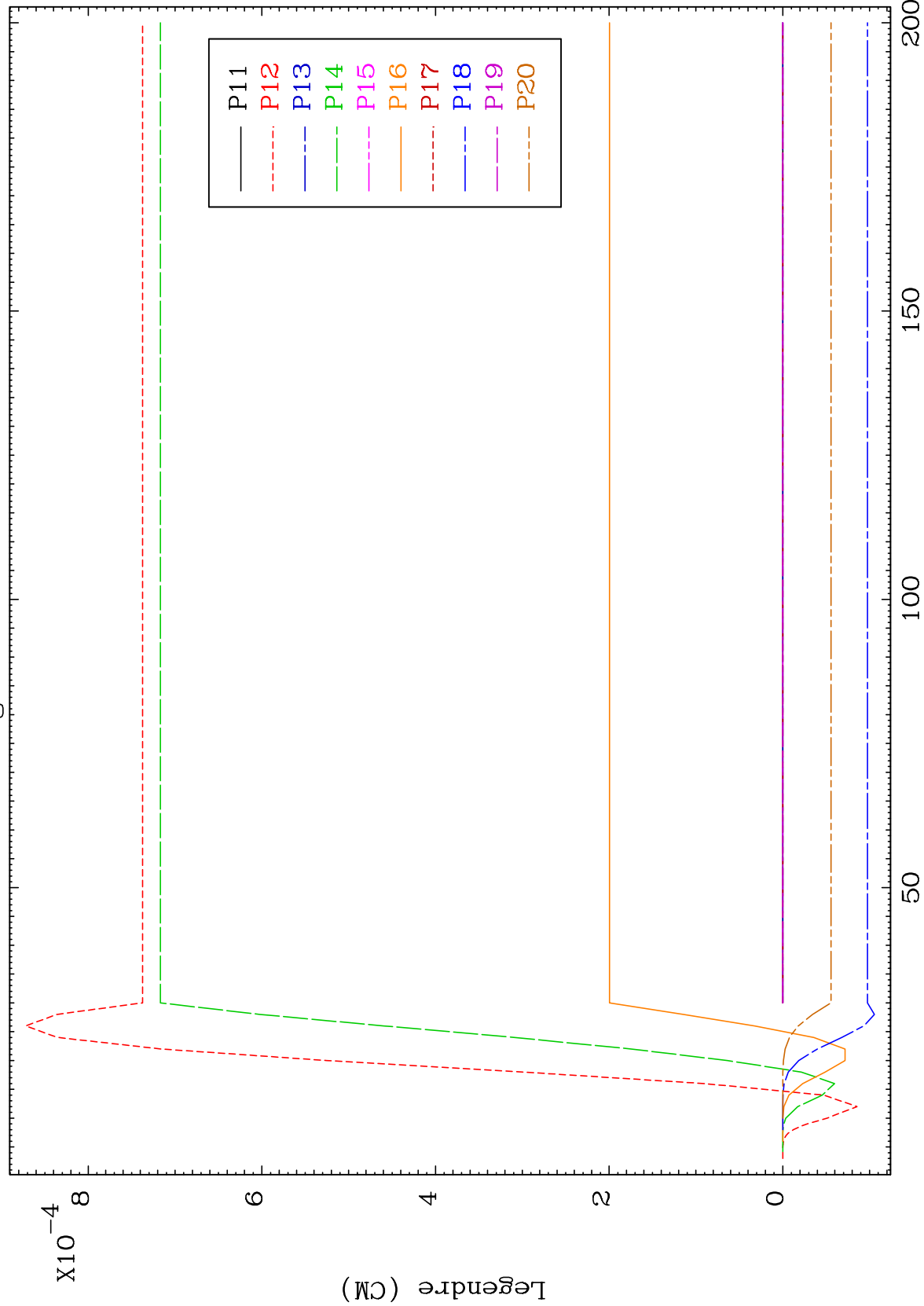
Incident Energy (MeV)

116

MAT 7237

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

72-Hf-178



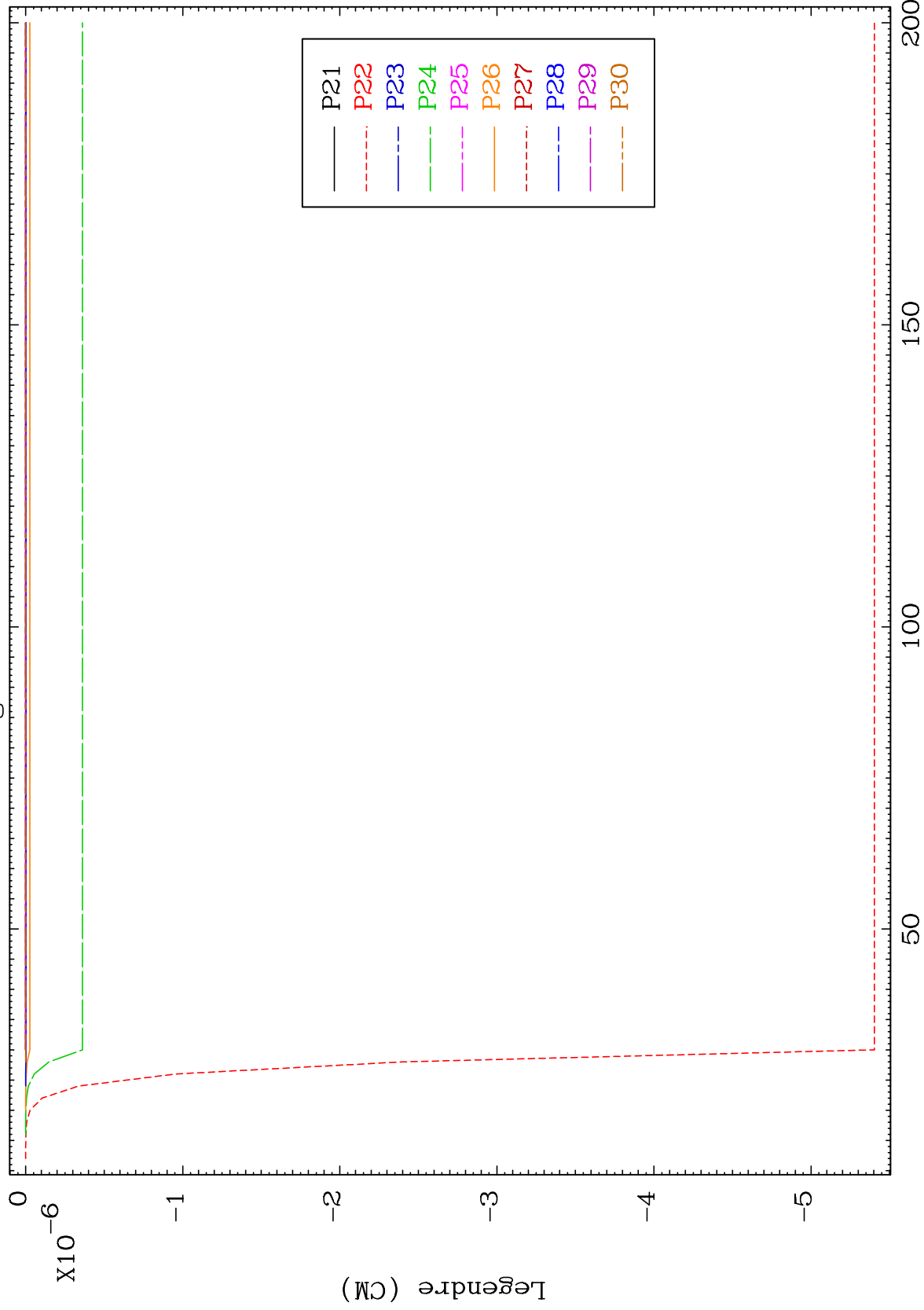
117

72-Hf-178

MAT 7237

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

72-Hf-178



118

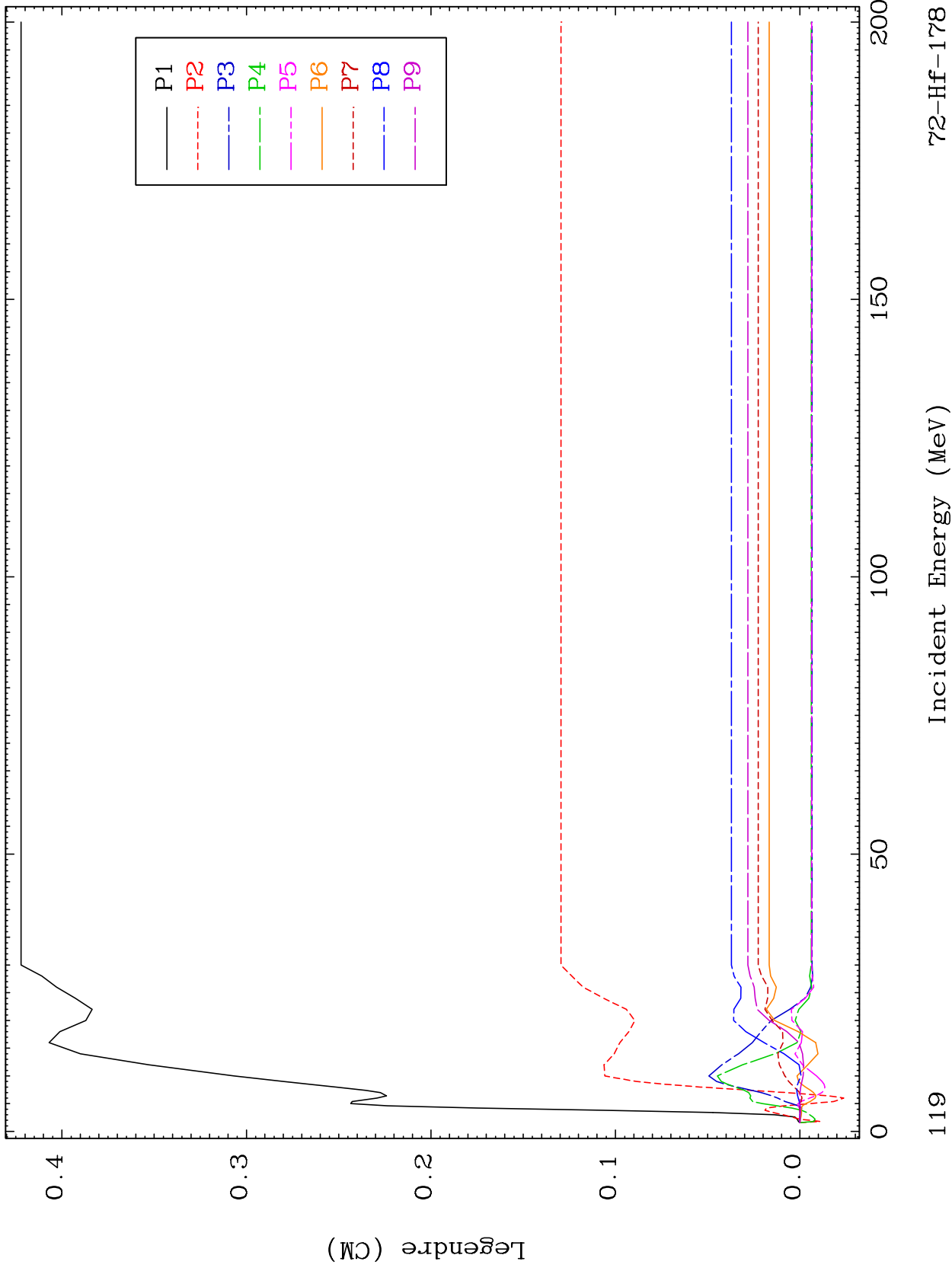
Incident Energy (MeV)

72-Hf-178

MAT 7237

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

72-Hf-178



119

Incident Energy (MeV)

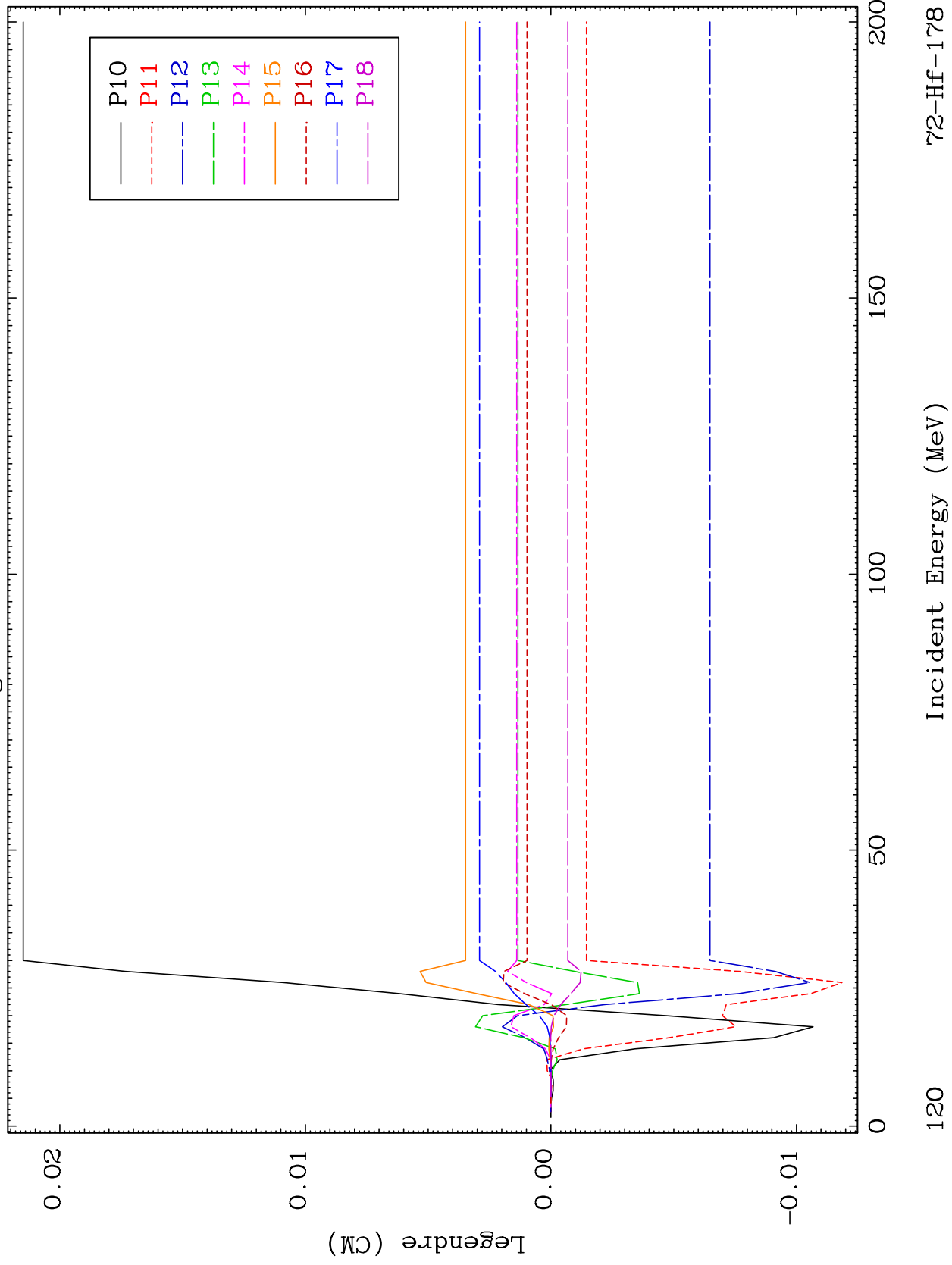
72-Hf-178



MAT 7237

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

72-Hf-178



72-Hf-178

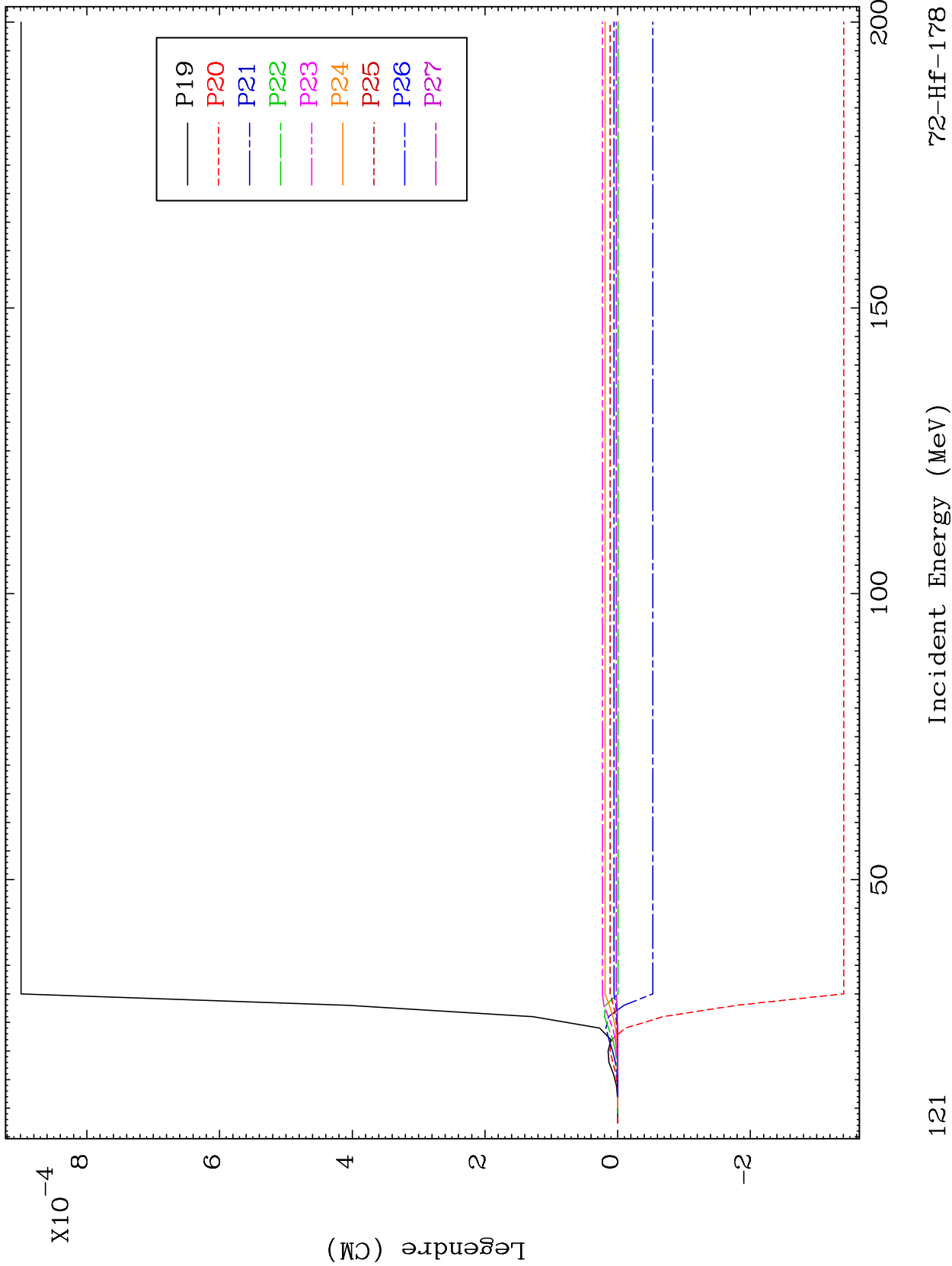
Incident Energy (MeV)

120

MAT 7237

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

72-Hf-178



121

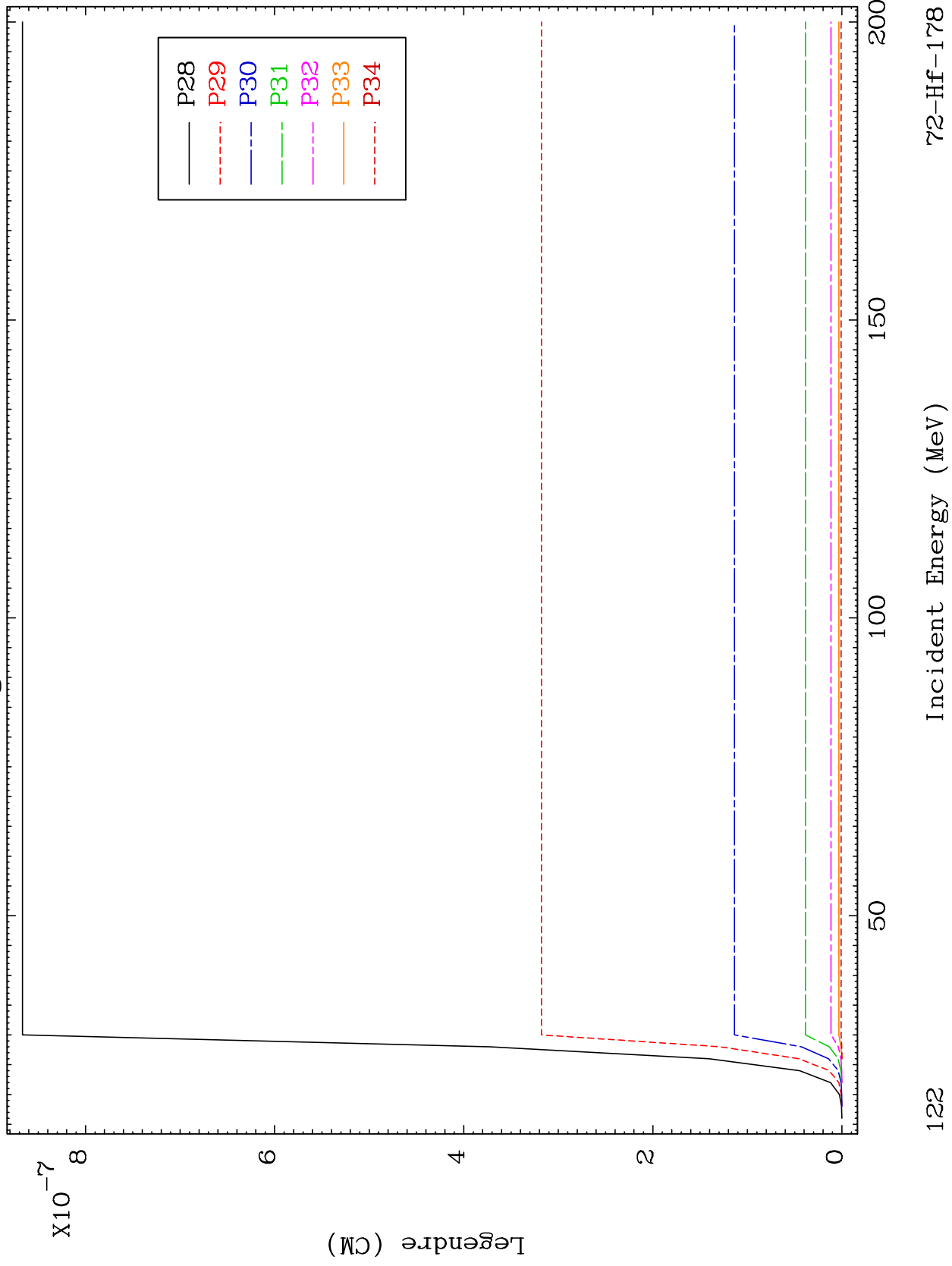
Incident Energy (MeV)

72-Hf-178

MAT 7237

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

72-Hf-178



122

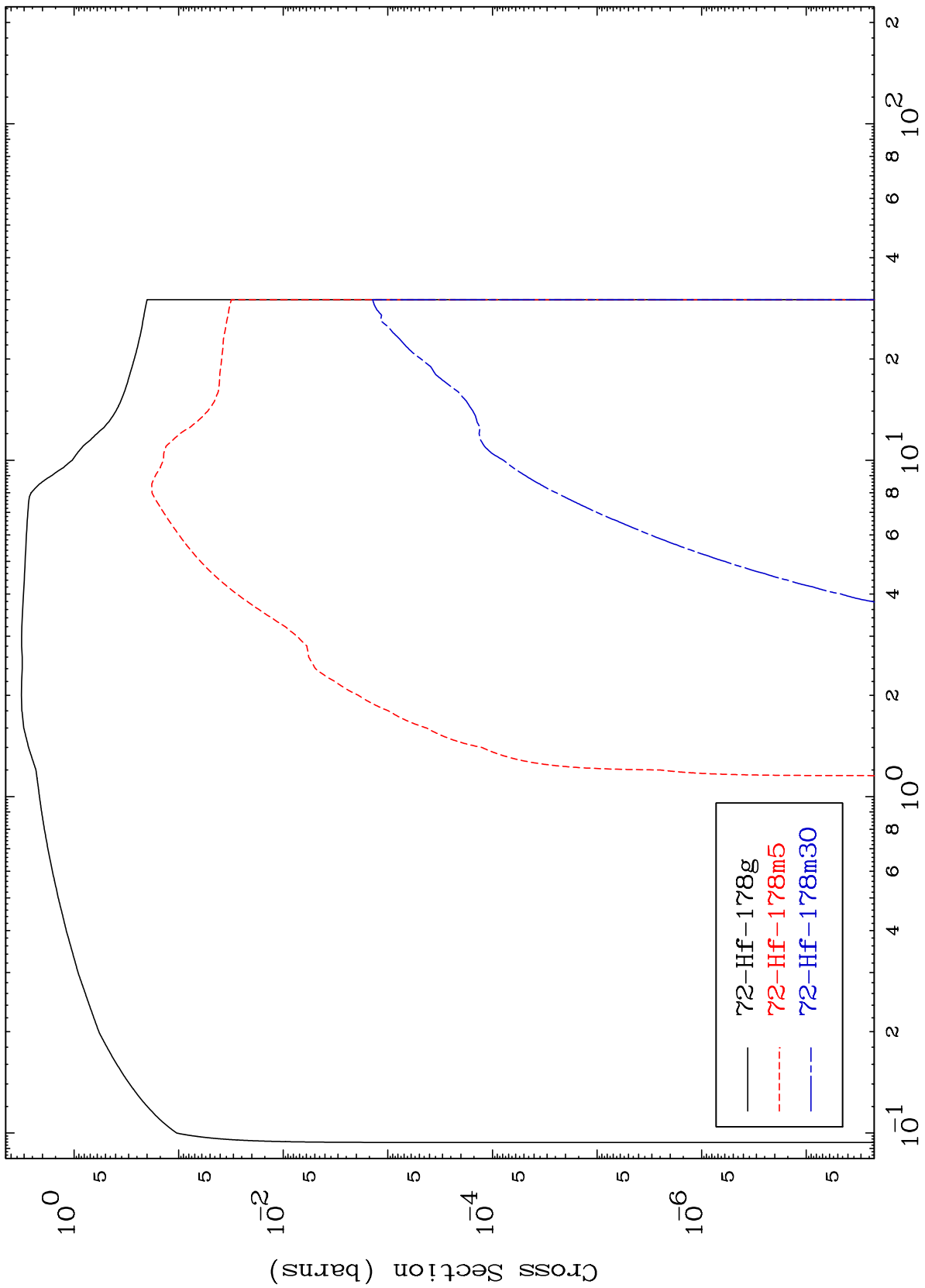
Incident Energy (MeV)

72-Hf-178

MAT 7237

72-Hf-178

Inelastic  
Radionuclide Production Cross Section



72-Hf-178g  
72-Hf-178m5  
72-Hf-178m30

Incident Energy (MeV)

72-Hf-178

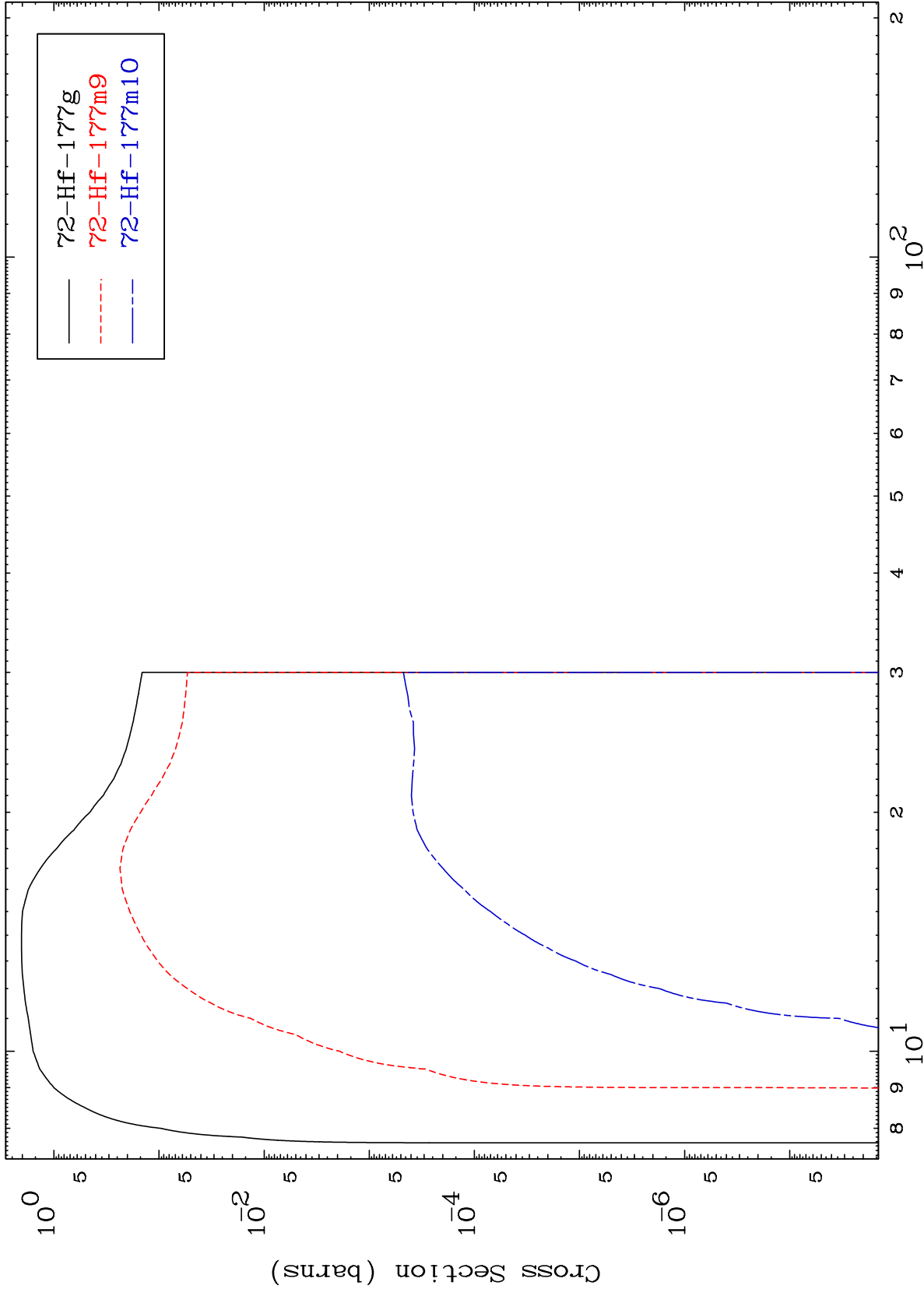
123

MAT 7237

(n,2n)

72-Hf-178

Radionuclide Production Cross Section



72-Hf-177g  
72-Hf-177m9  
72-Hf-177m10

124

Incident Energy (MeV)

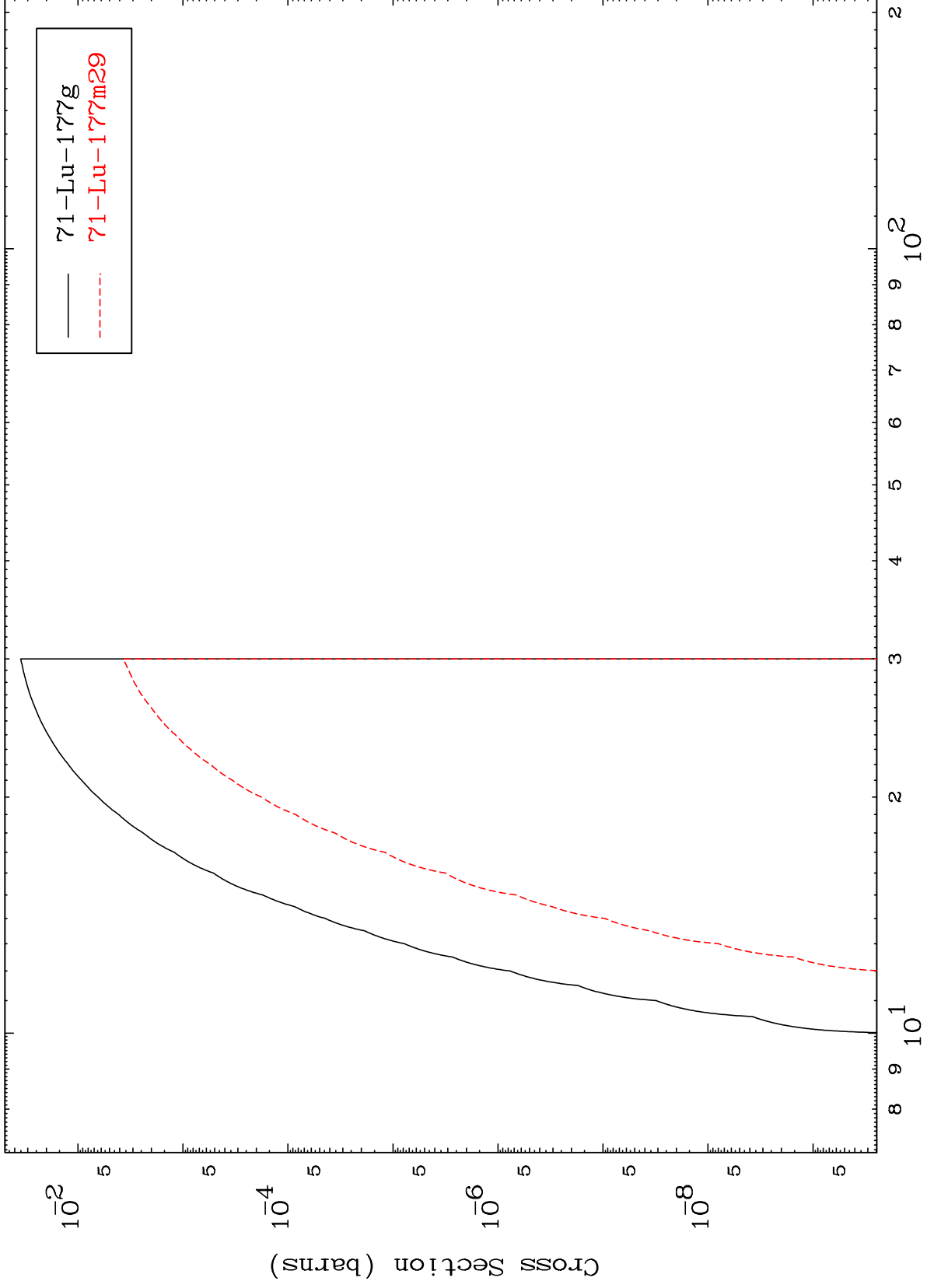
72-Hf-178

MAT 7237

(n,n') p

72-Hf-178

Radionuclide Production Cross Section

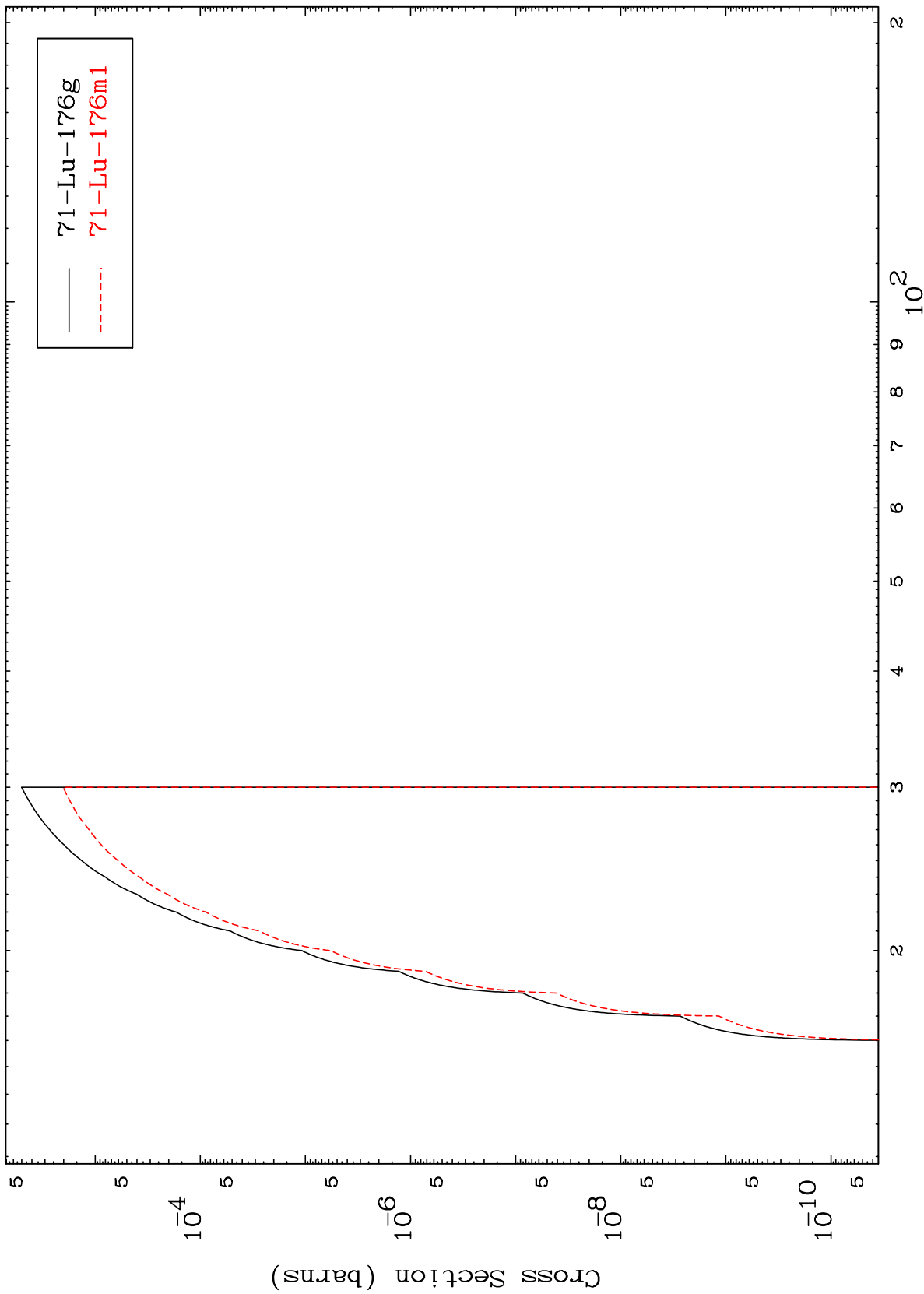


125

Incident Energy (MeV)

72-Hf-178

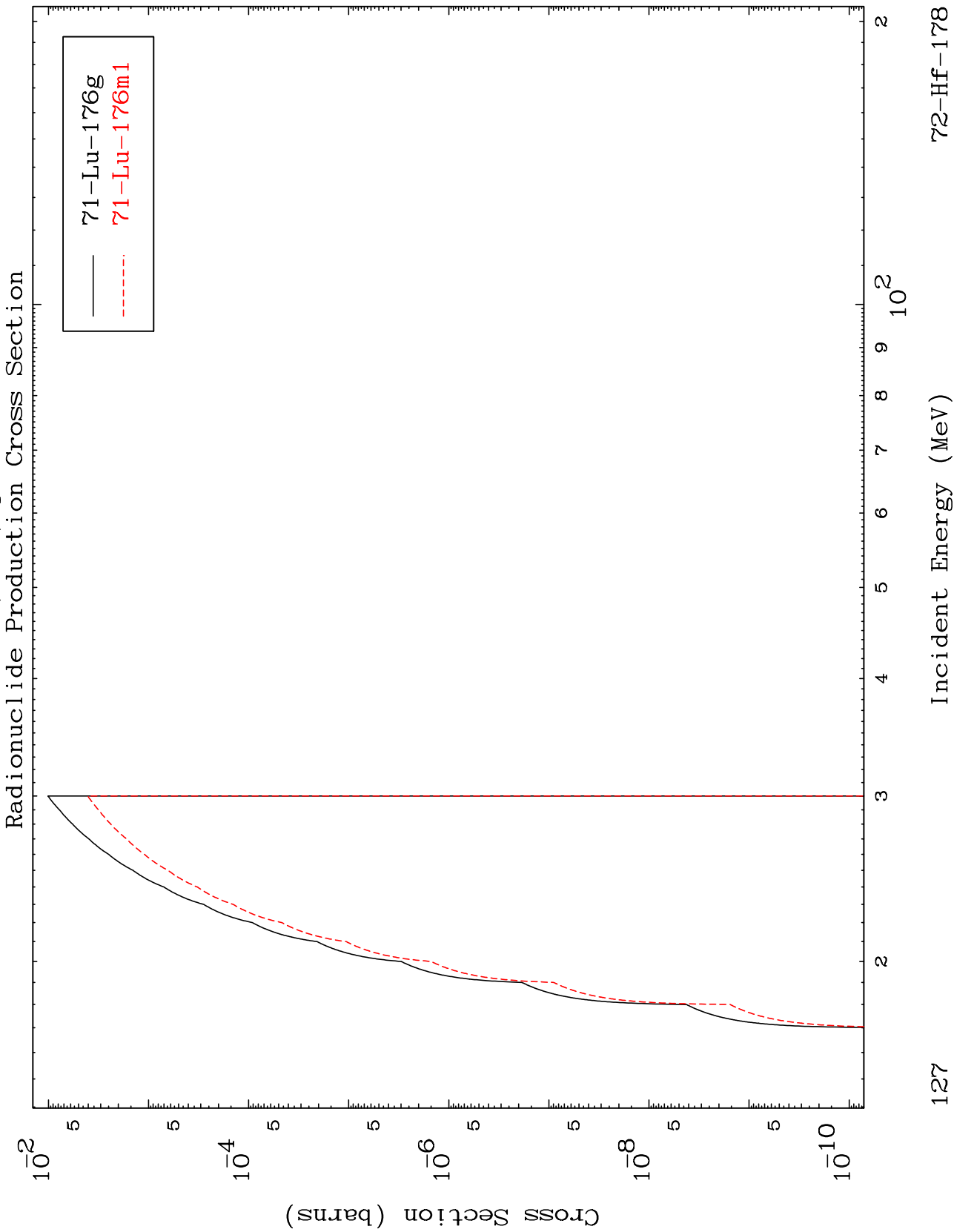
Radionuclide Production Cross Section



MAT 7237

(n,2n) p

72-Hf-178

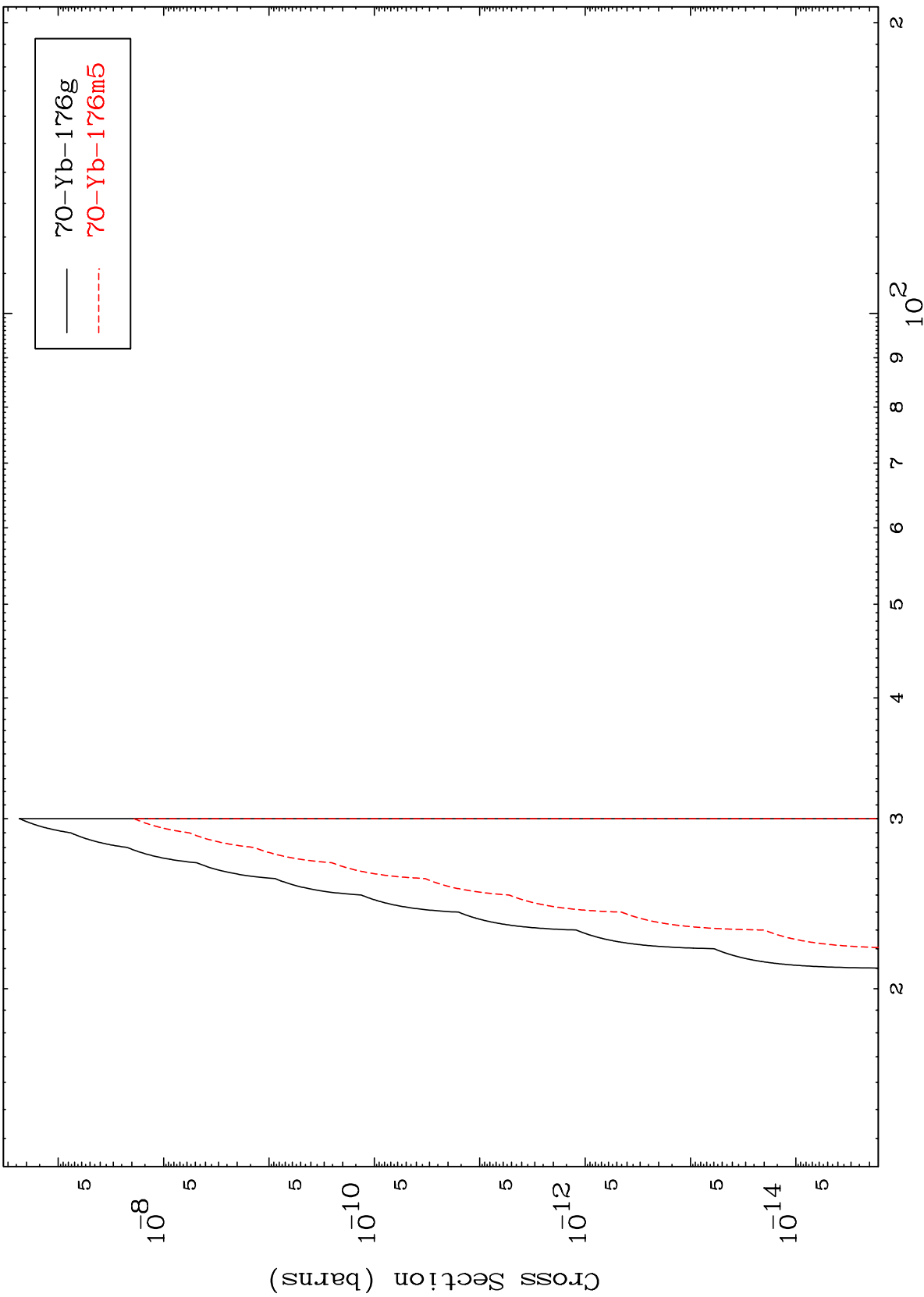


127

72-Hf-178



Radionuclide Production Cross Section

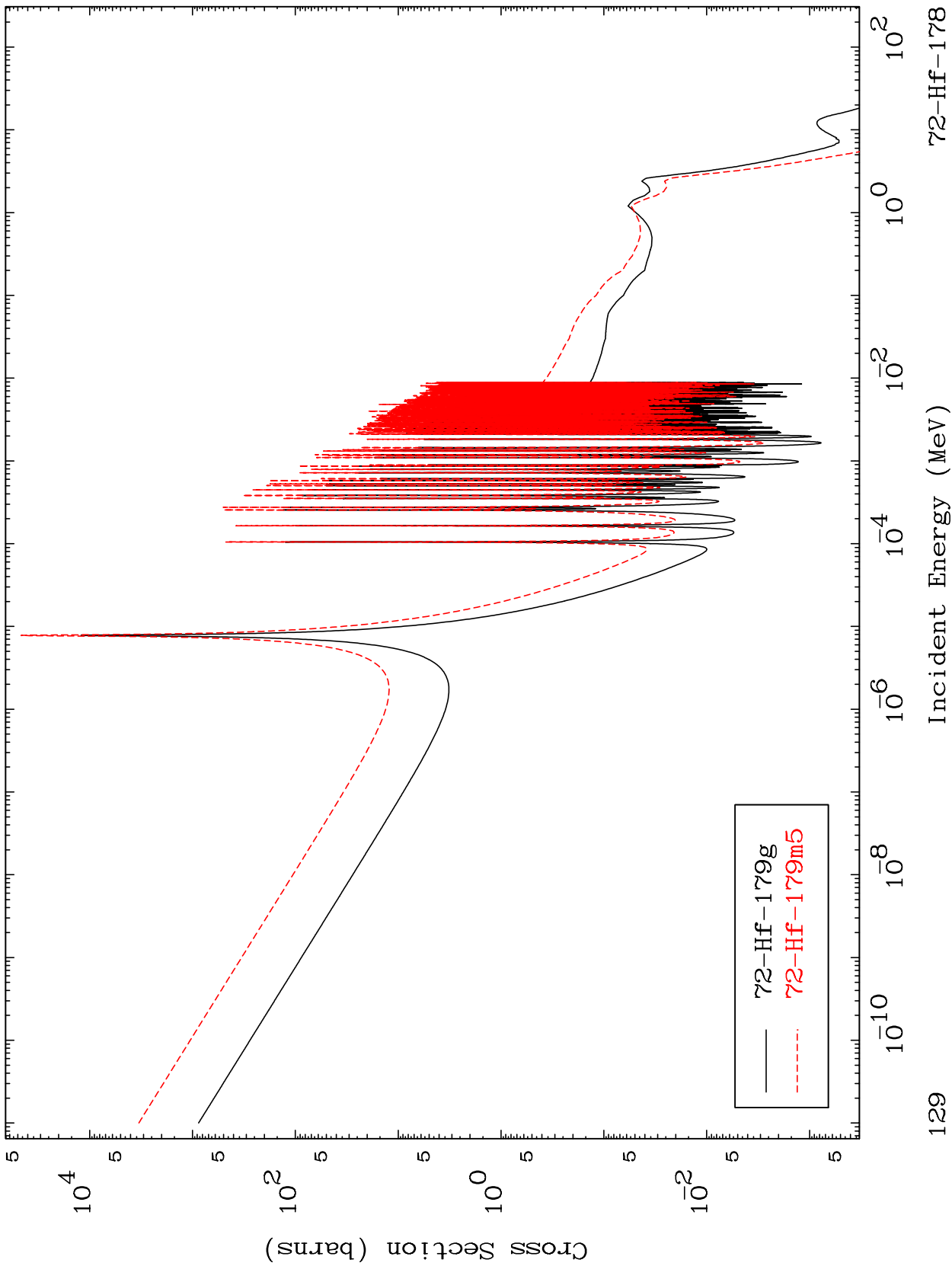


70-Yb-176g  
70-Yb-176m5

MAT 7237

72-Hf-178

$(n, \gamma)$   
Radionuclide Production Cross Section

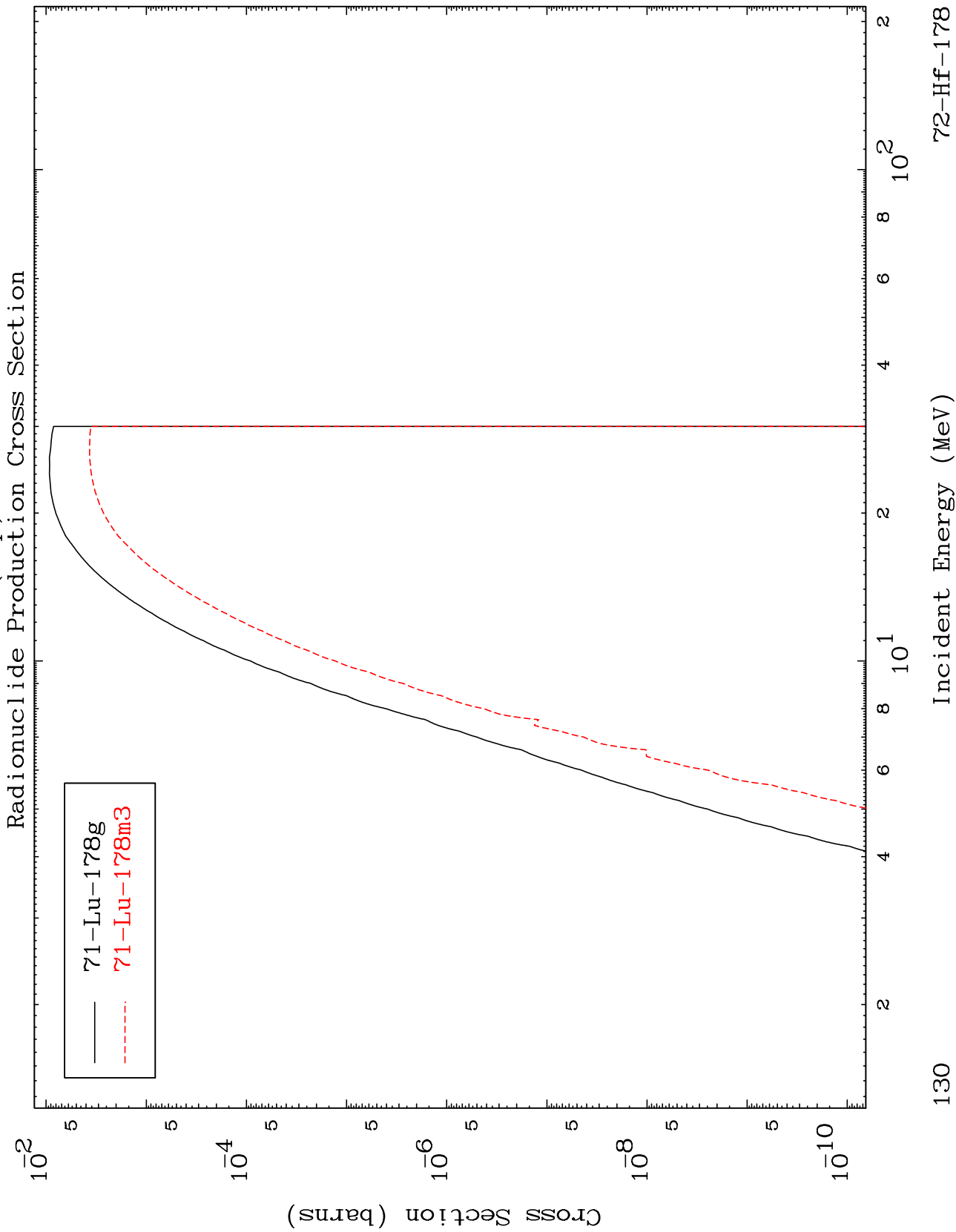


129

72-Hf-178

MAT 7237

72-Hf-178



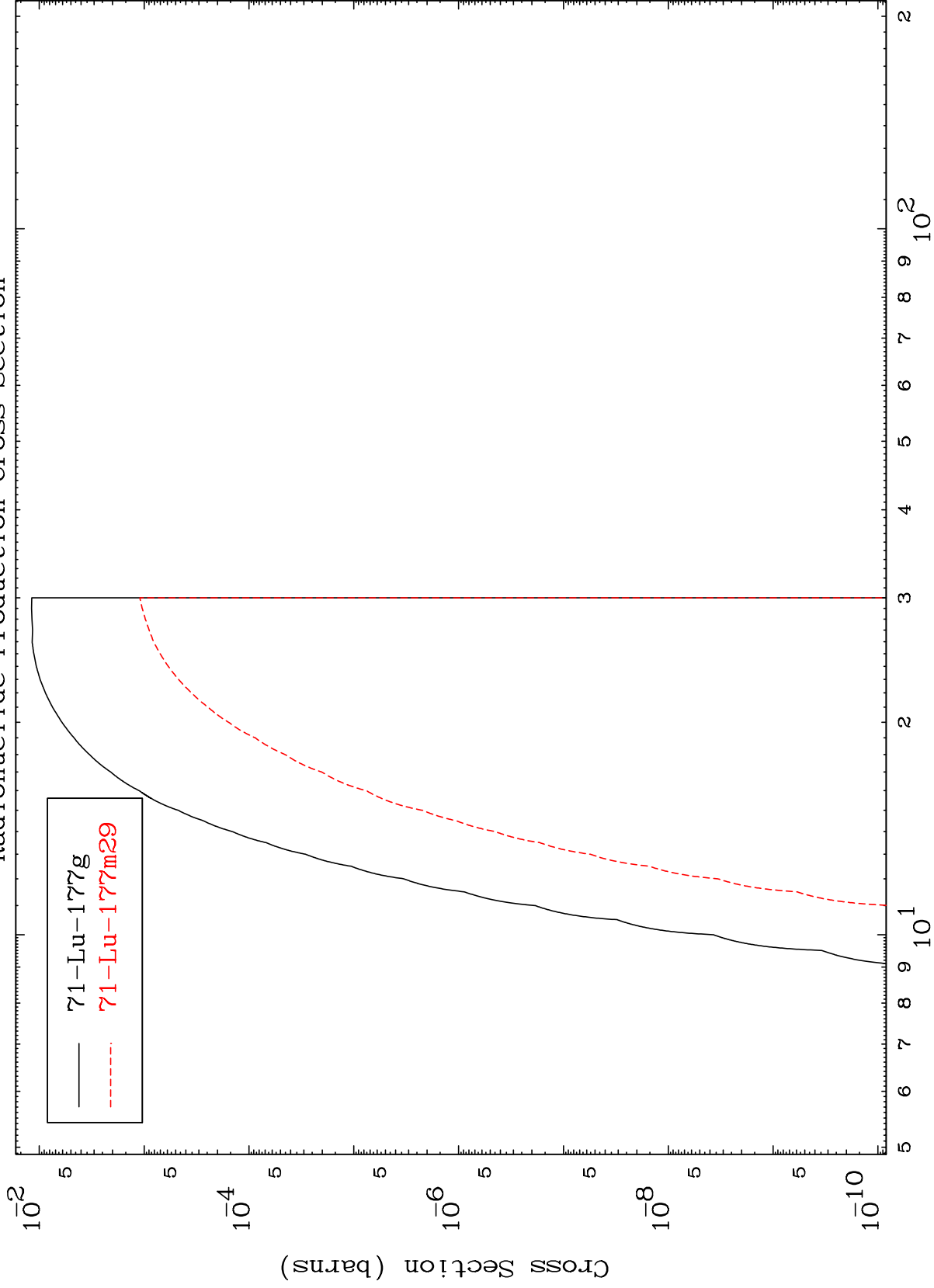
130

MAT 7237

(n,d)

72-Hf-178

Radionuclide Production Cross Section



131

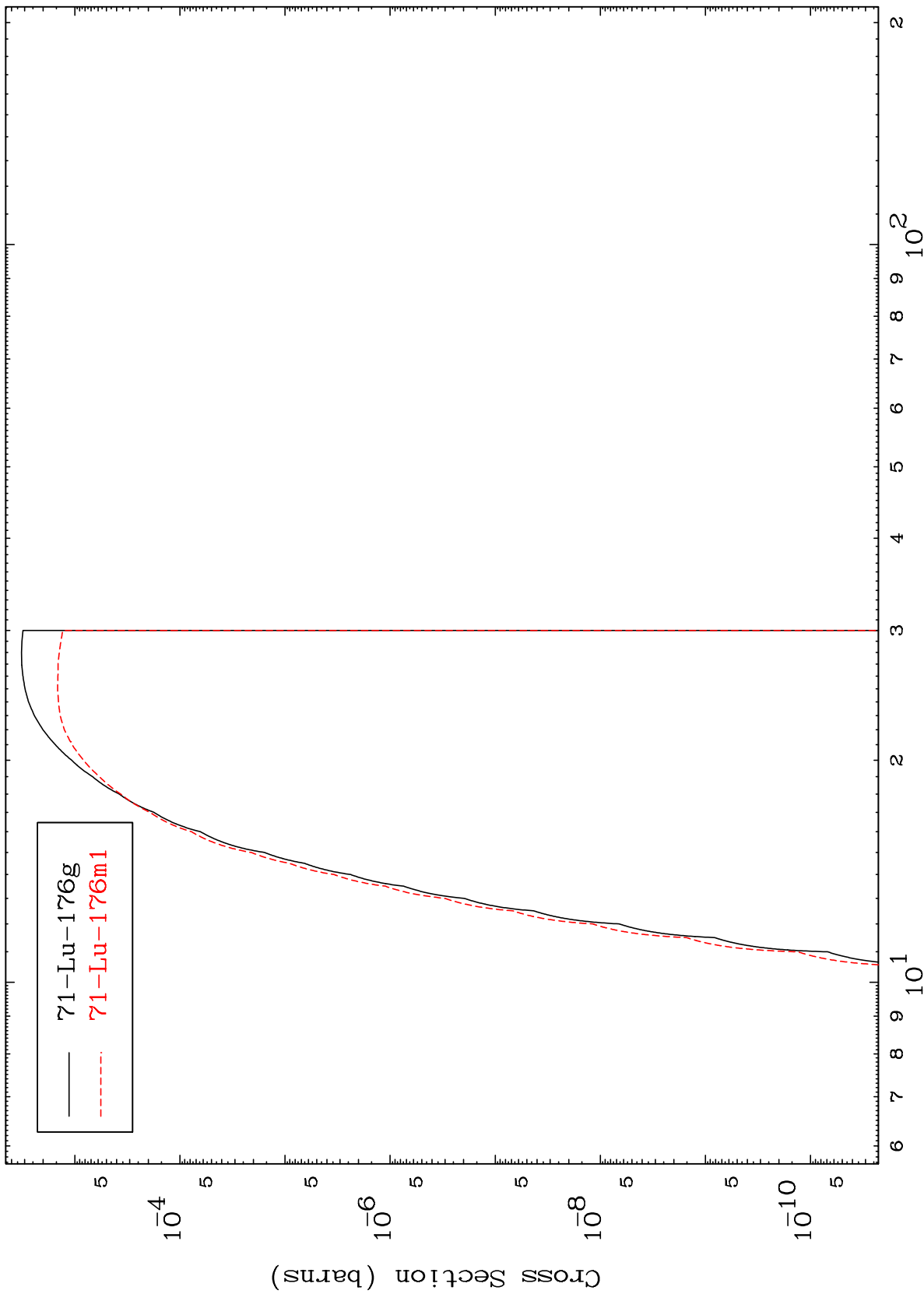
Incident Energy (MeV)

72-Hf-178

MAT 7237

72-Hf-178

(n, t)  
Radionuclide Production Cross Section



— 71-Lu-176g  
- - - 71-Lu-176m1

72-Hf-178

Incident Energy (MeV)

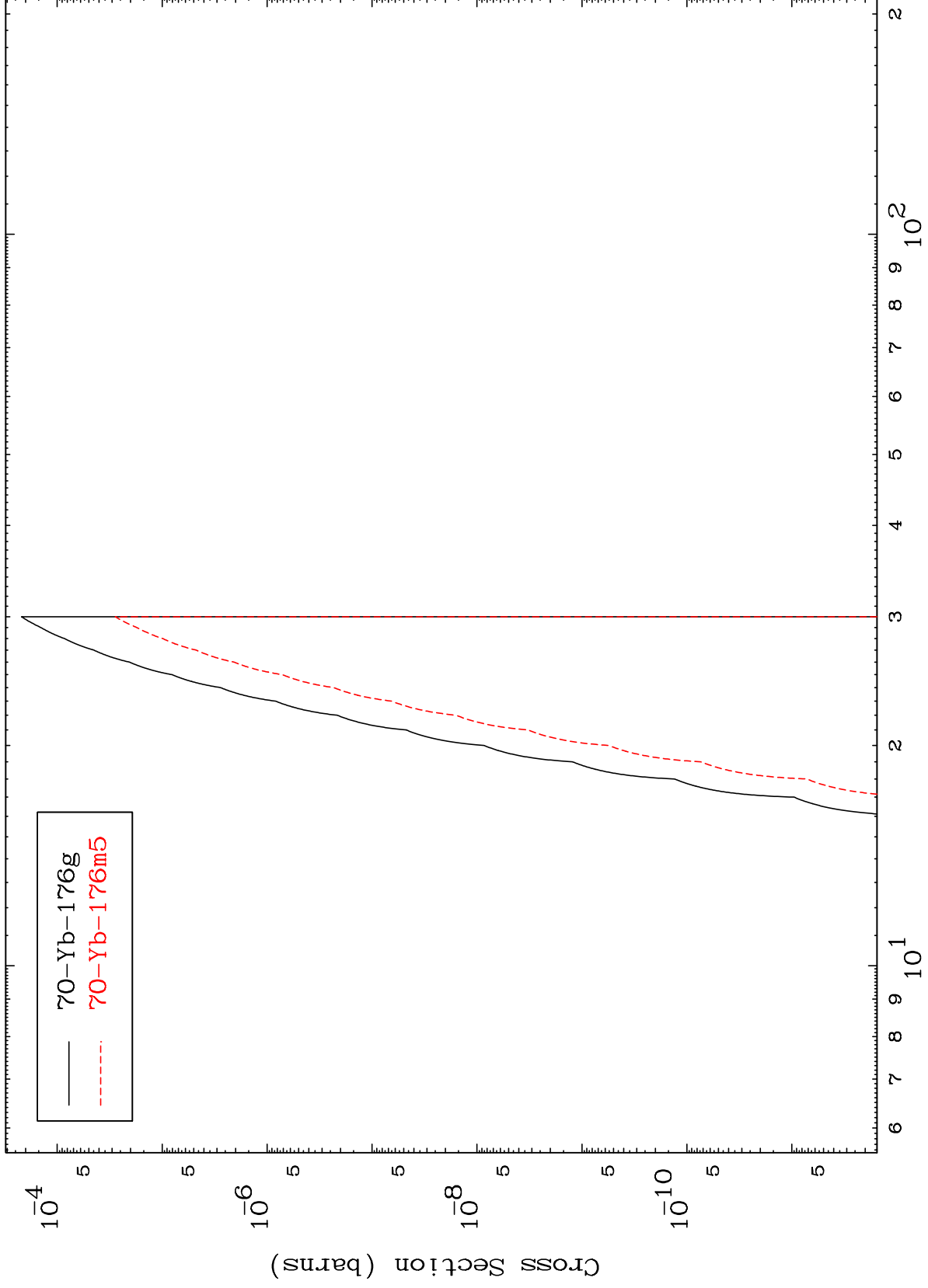
132

MAT 7237

(n,He-3)

72-Hf-178

Radionuclide Production Cross Section



133

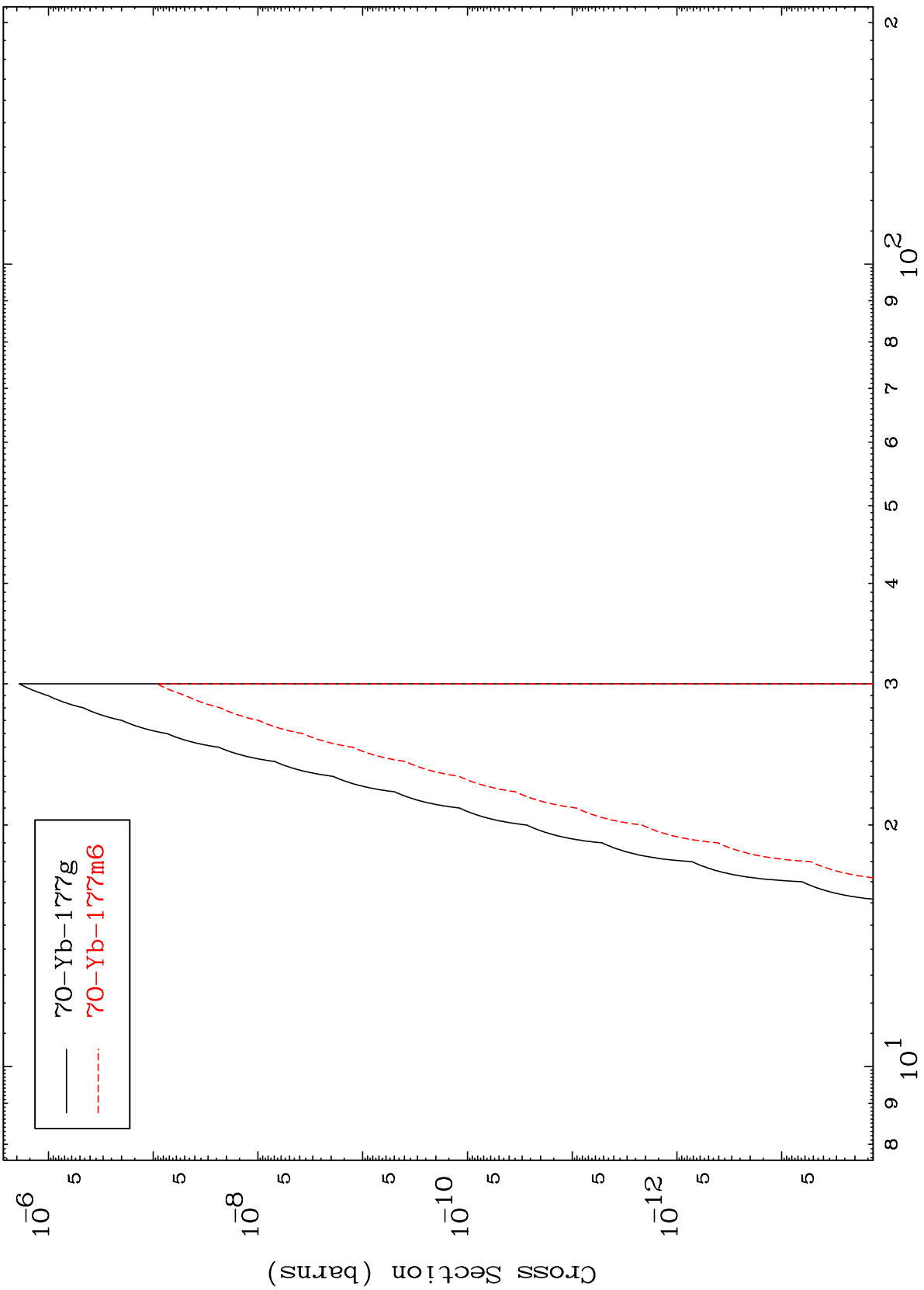
Incident Energy (MeV)

72-Hf-178

MAT 7237

72-Hf-178

(n,2p)  
Radionuclide Production Cross Section



— 70-Yb-177g  
- - - 70-Yb-177m6

72-Hf-178

Incident Energy (MeV)

134

Radionuclide Production Cross Section

