

Program EVALPLOT  
(Version 2018-1)

by

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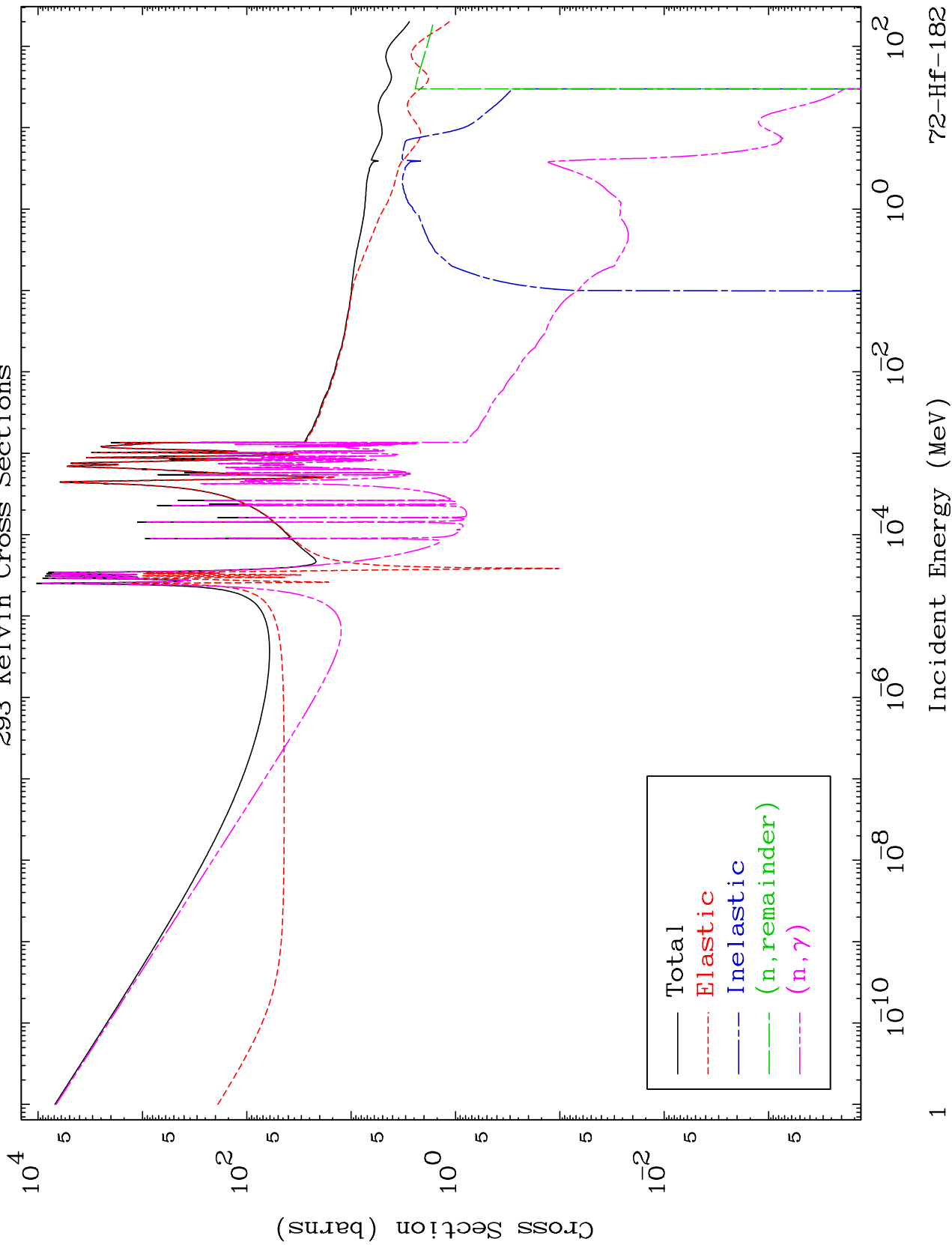
Press Mouse Button to Start

MAT 7249

Major

293 Kelvin Cross Sections

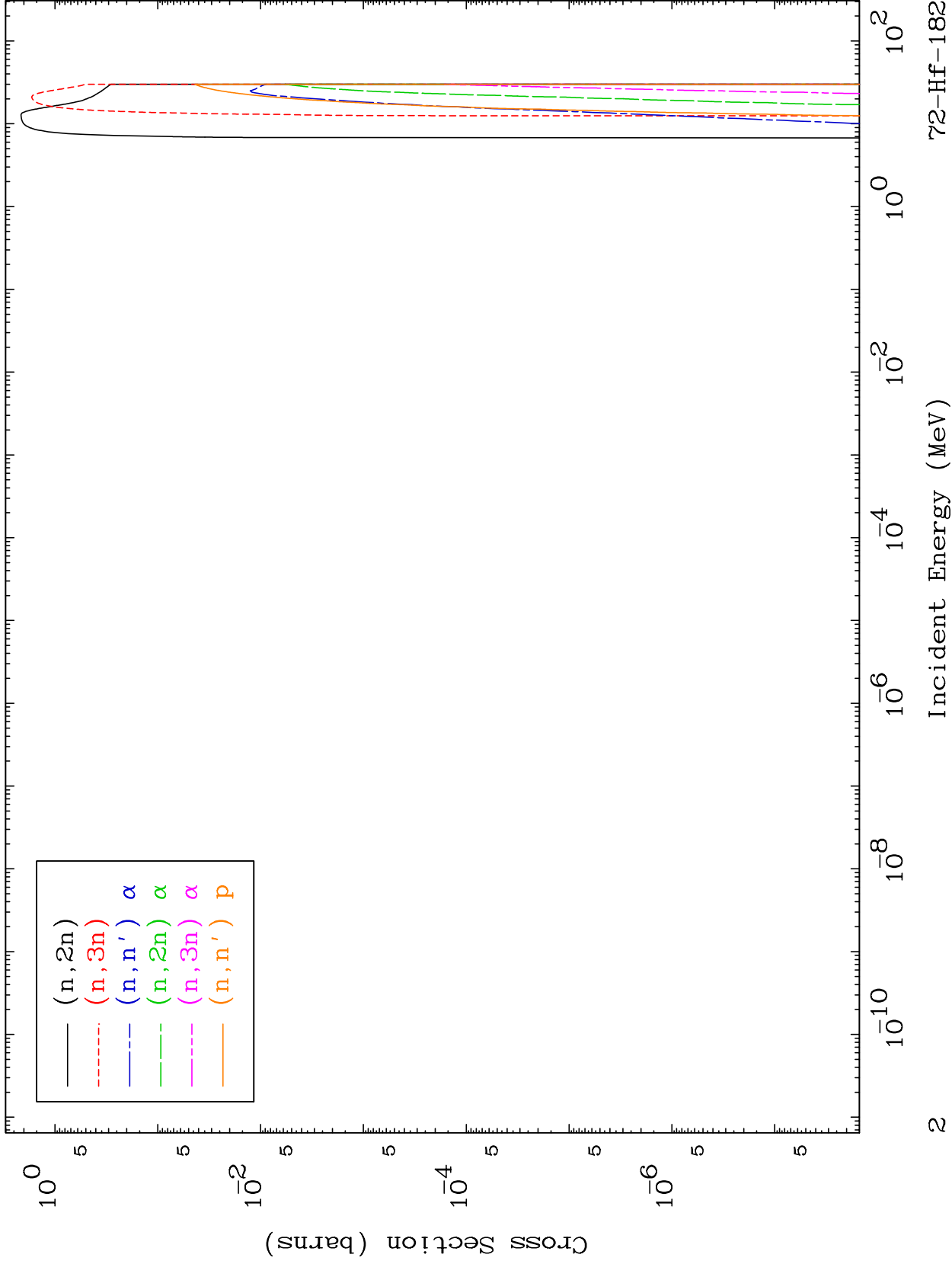
72-Hf-182

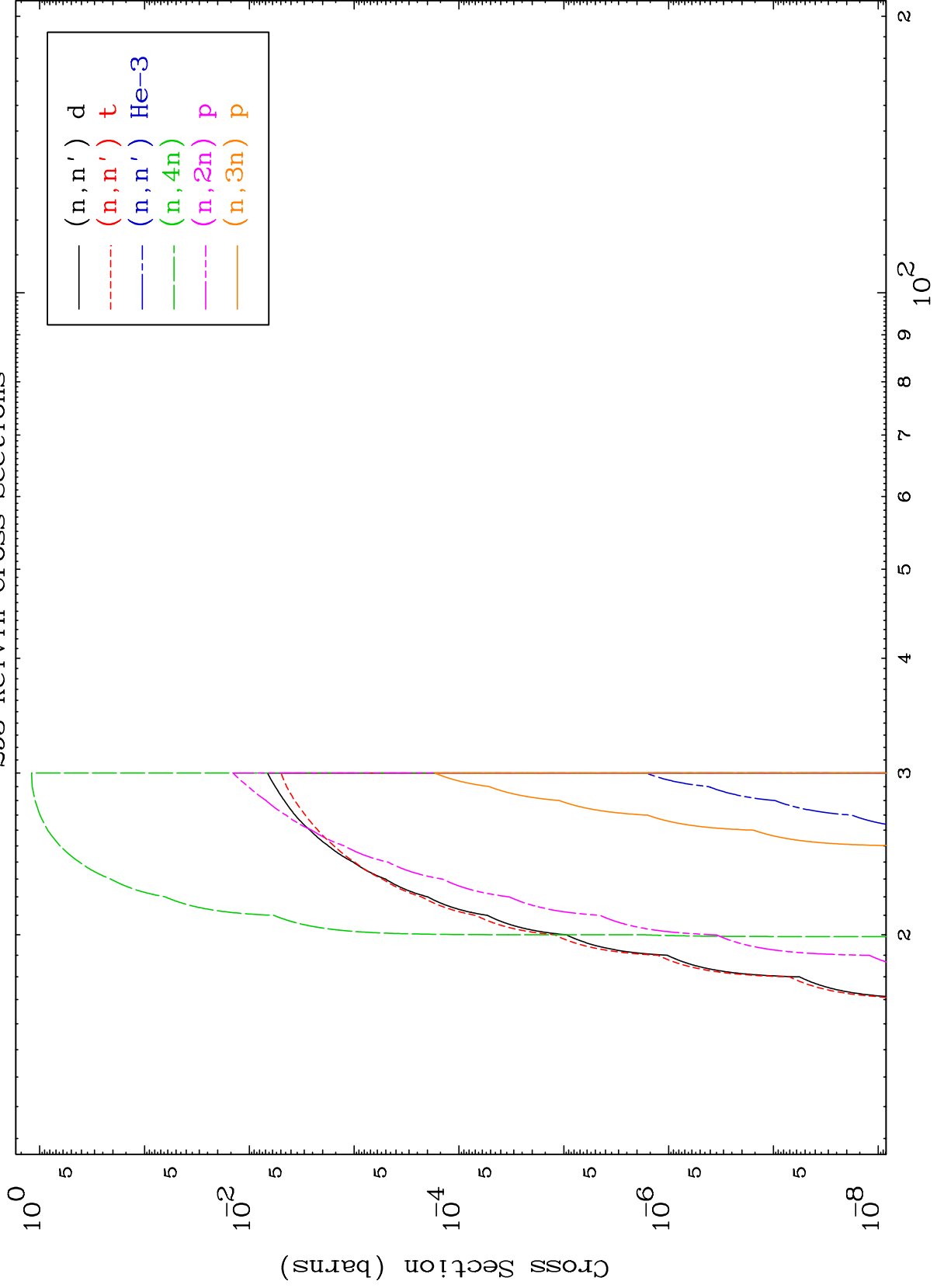


MAT 7249

Neutron Production  
293 Kelvin Cross Sections

72-Hf-182

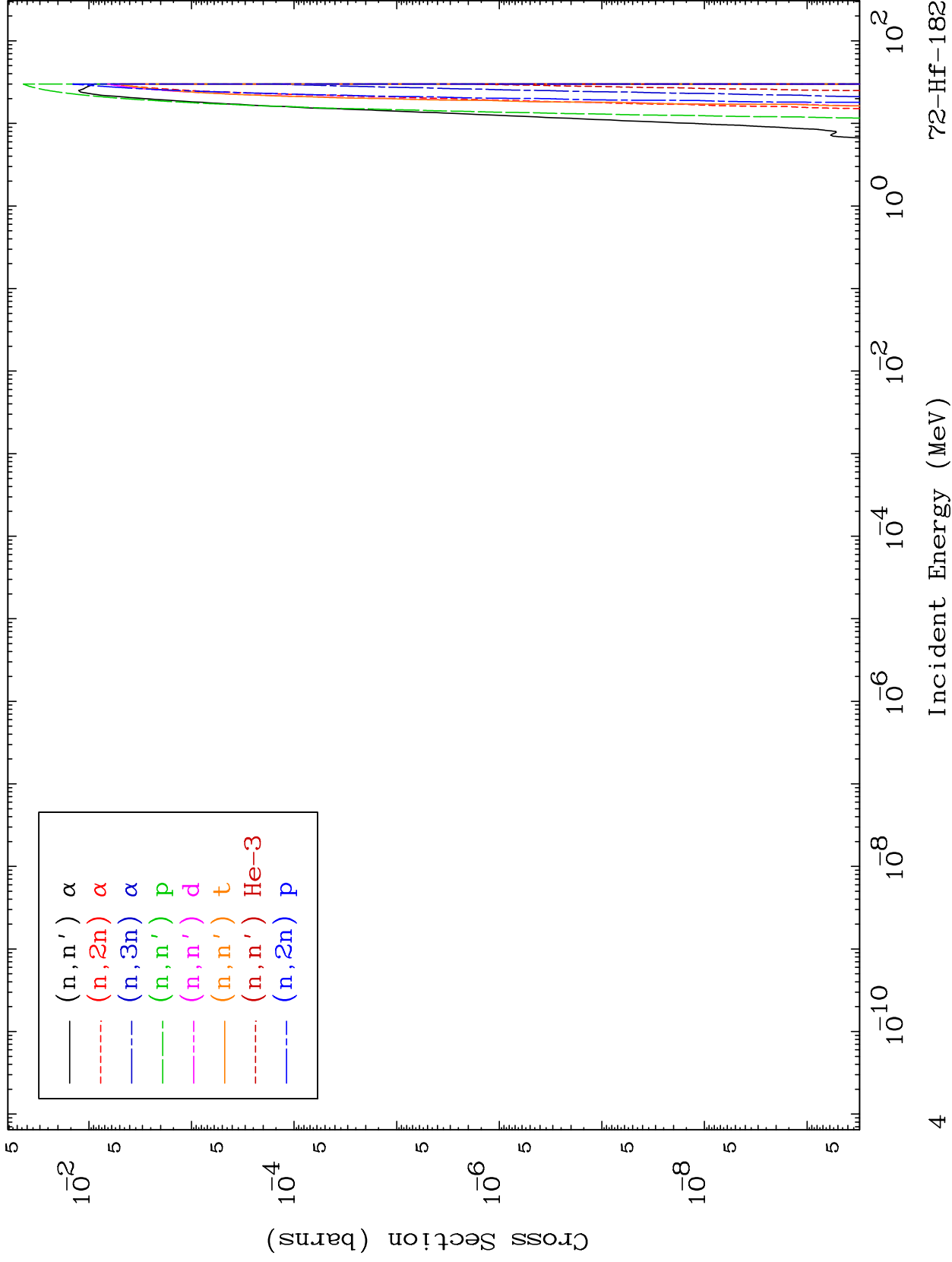




MAT 7249

Charged Particle  
293 Kelvin Cross Sections

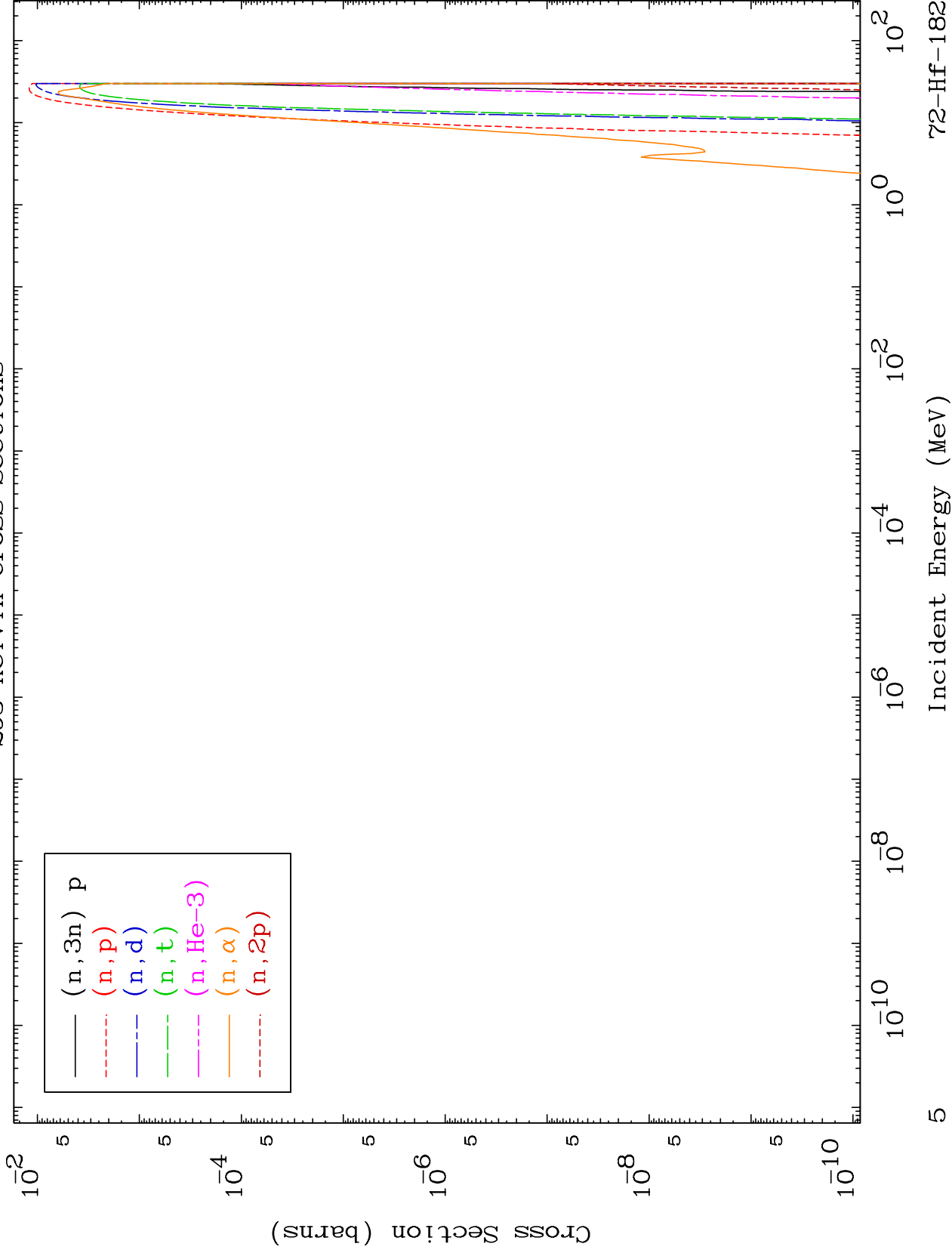
72-Hf-182



MAT 7249

Charged Particle  
293 Kelvin Cross Sections

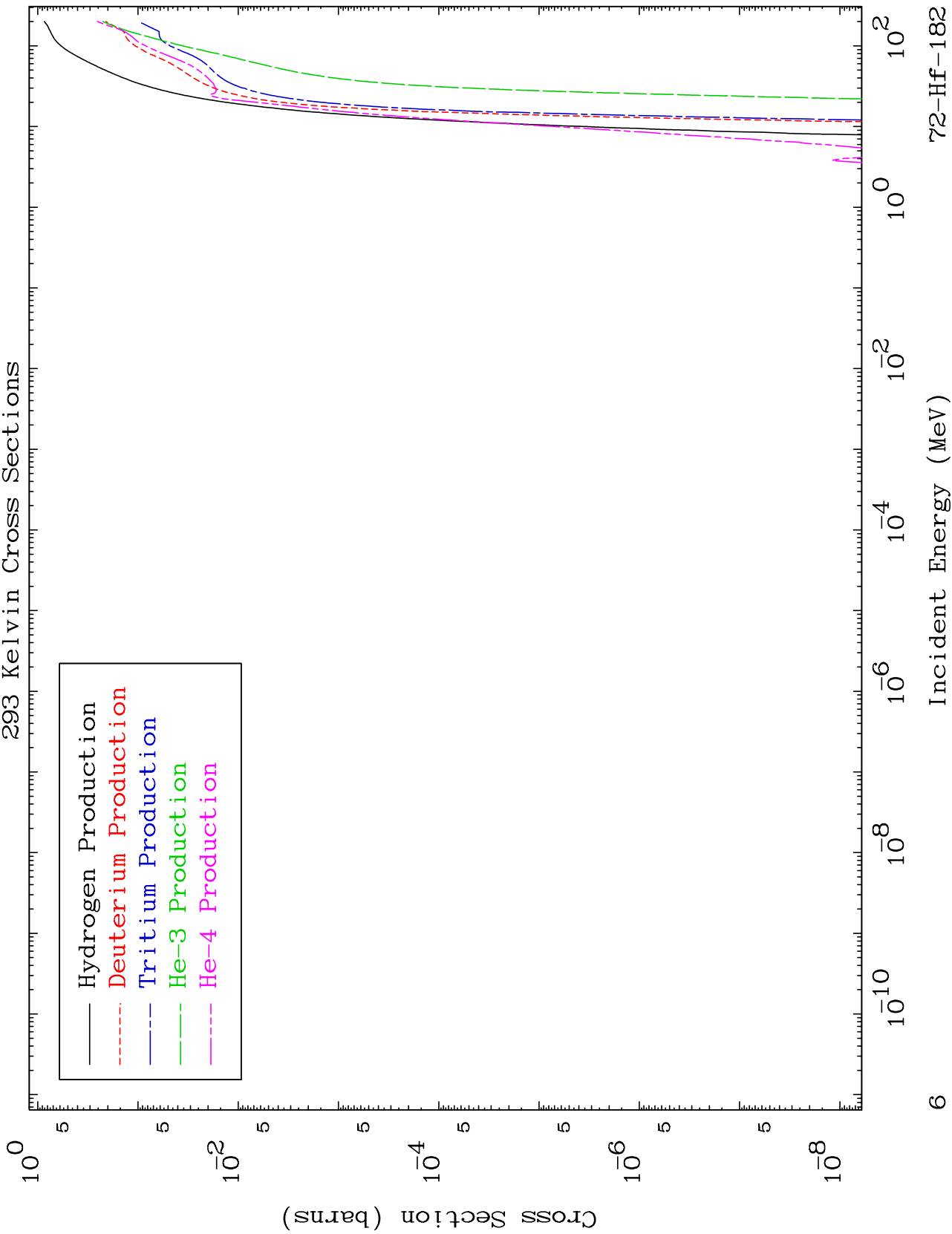
72-Hf-182



MAT 7249

Particle Production  
293 Kelvin Cross Sections

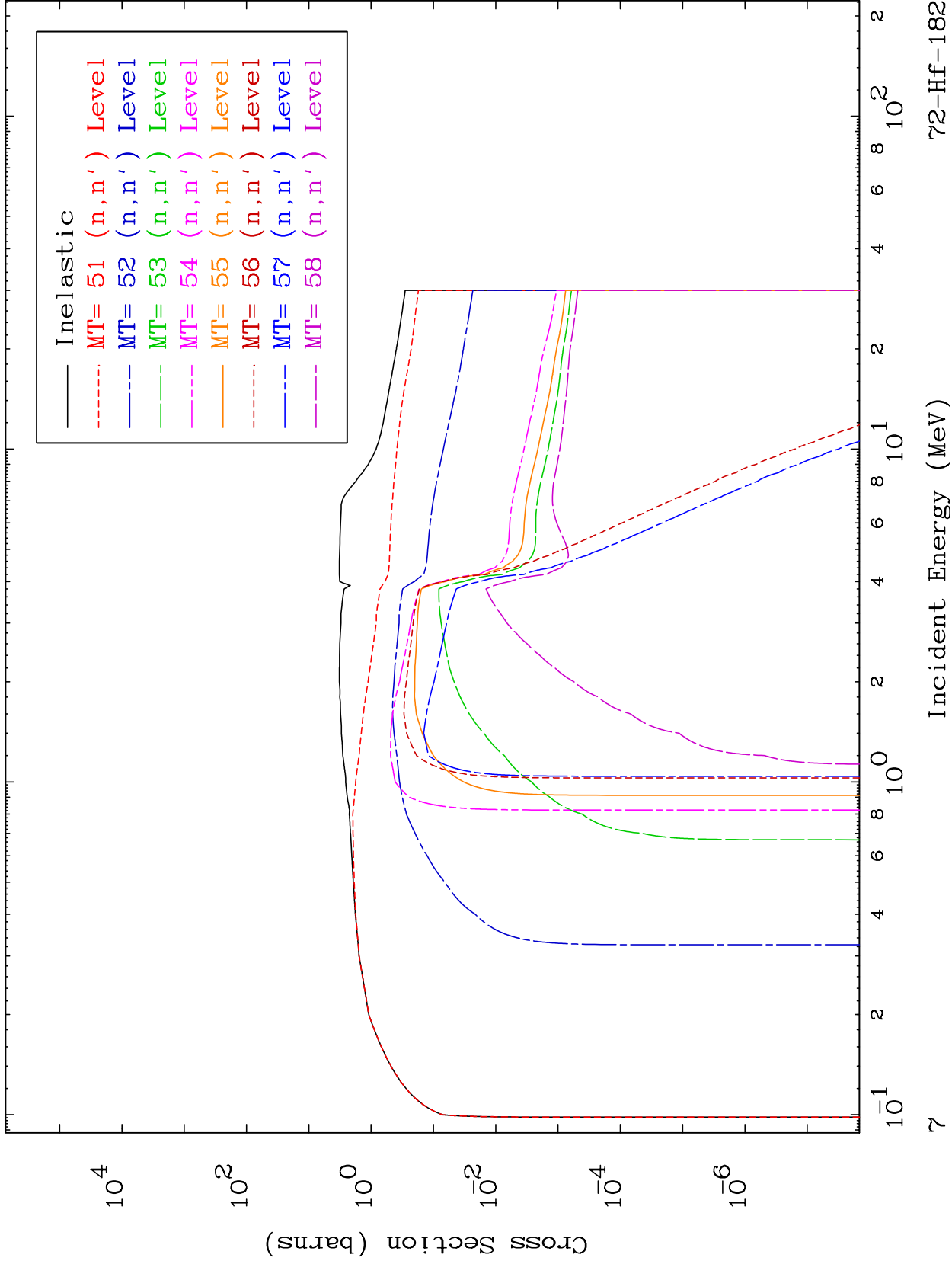
72-Hf-182



MAT 7249

(n,n') Level  
293 Kelvin Cross Sections

72-Hf-182



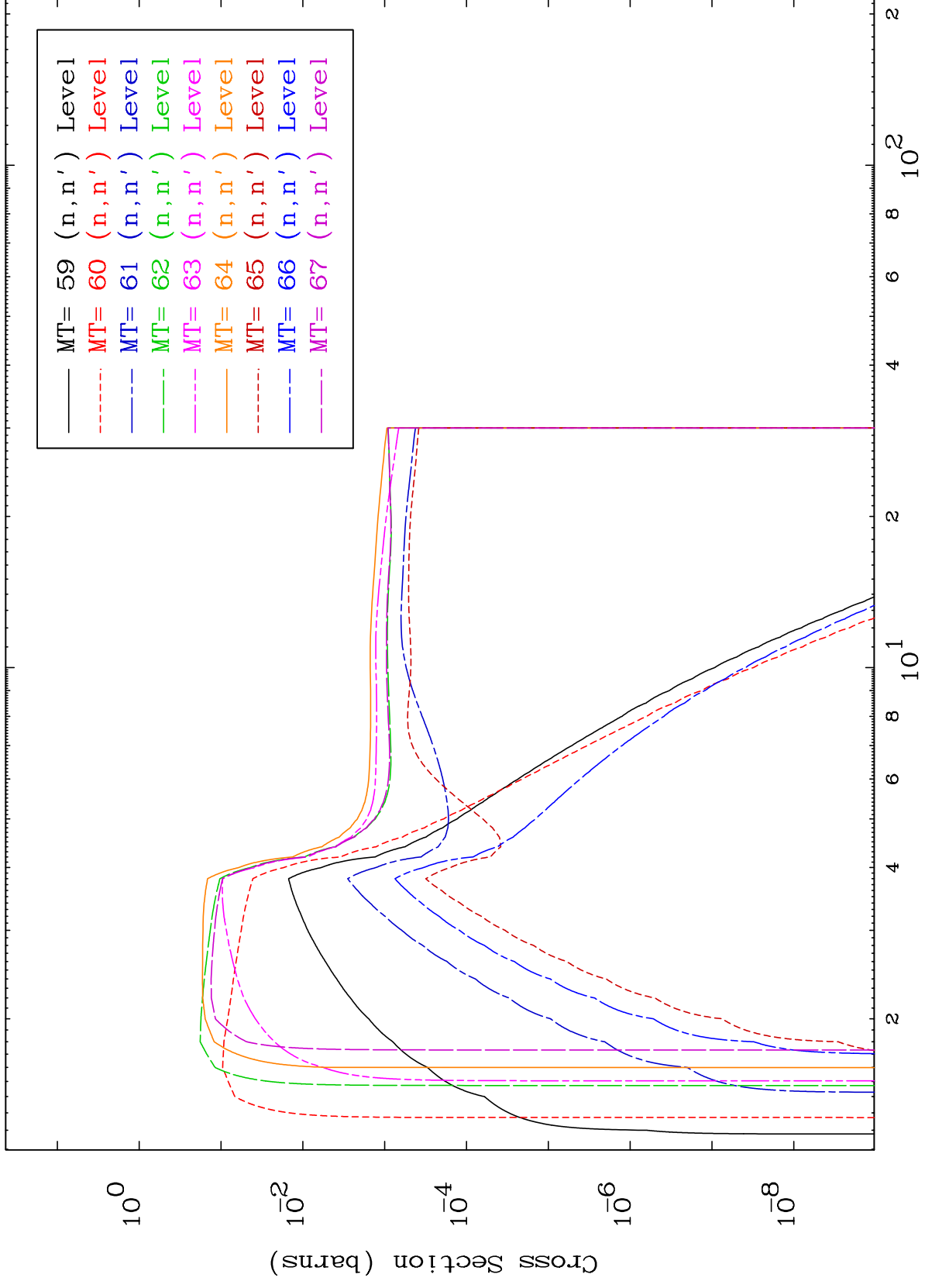


MAT 7249

(n,n') Level

72-Hf-182

293 Kelvin Cross Sections



8

Incident Energy (MeV)

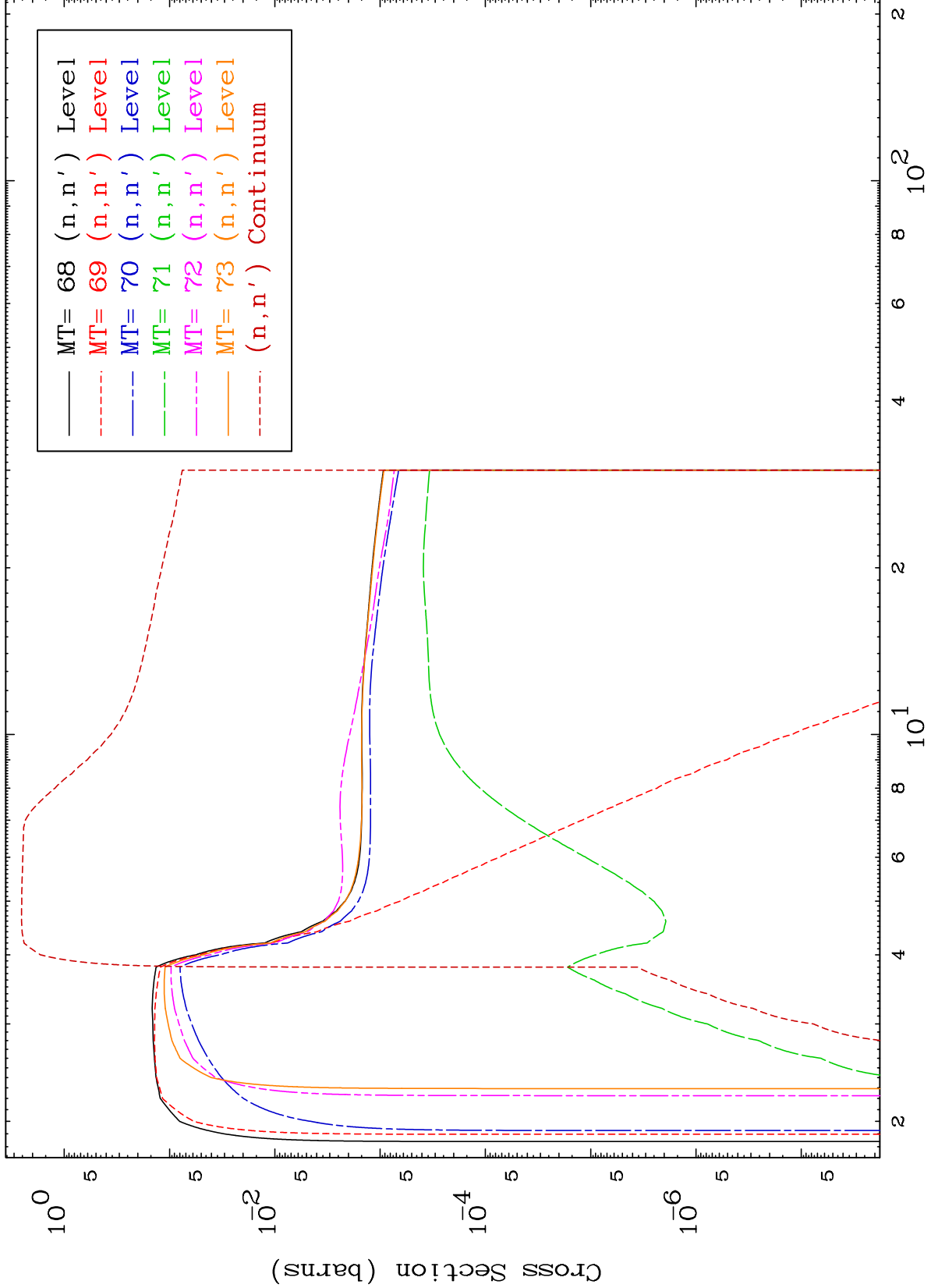
72-Hf-182

MAT 7249

(n,n') Level

293 Kelvin Cross Sections

72-Hf-182



9

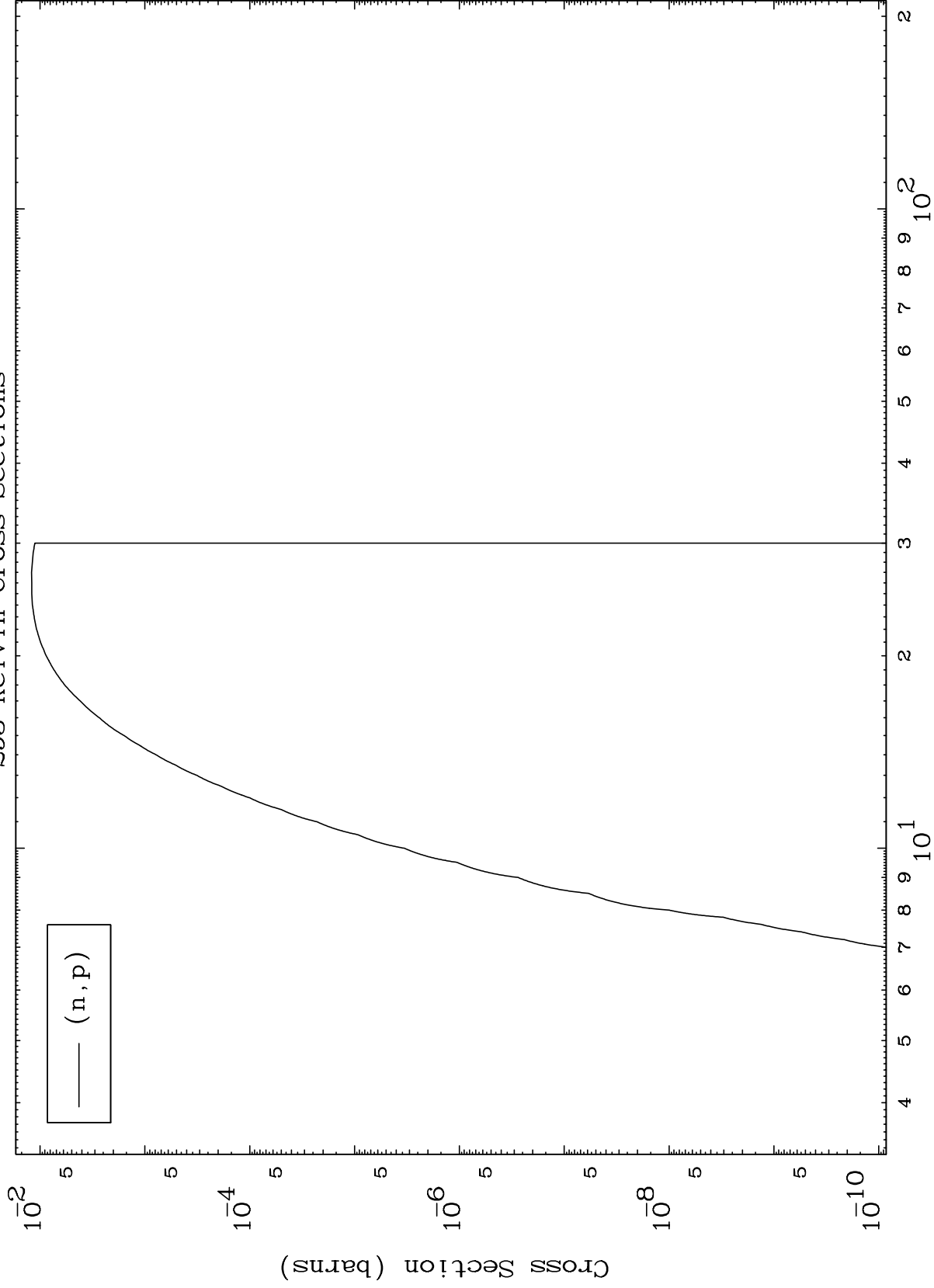
Incident Energy (MeV)

72-Hf-182

MAT 7249

(n,p) Levels  
293 Kelvin Cross Sections

72-Hf-182



10

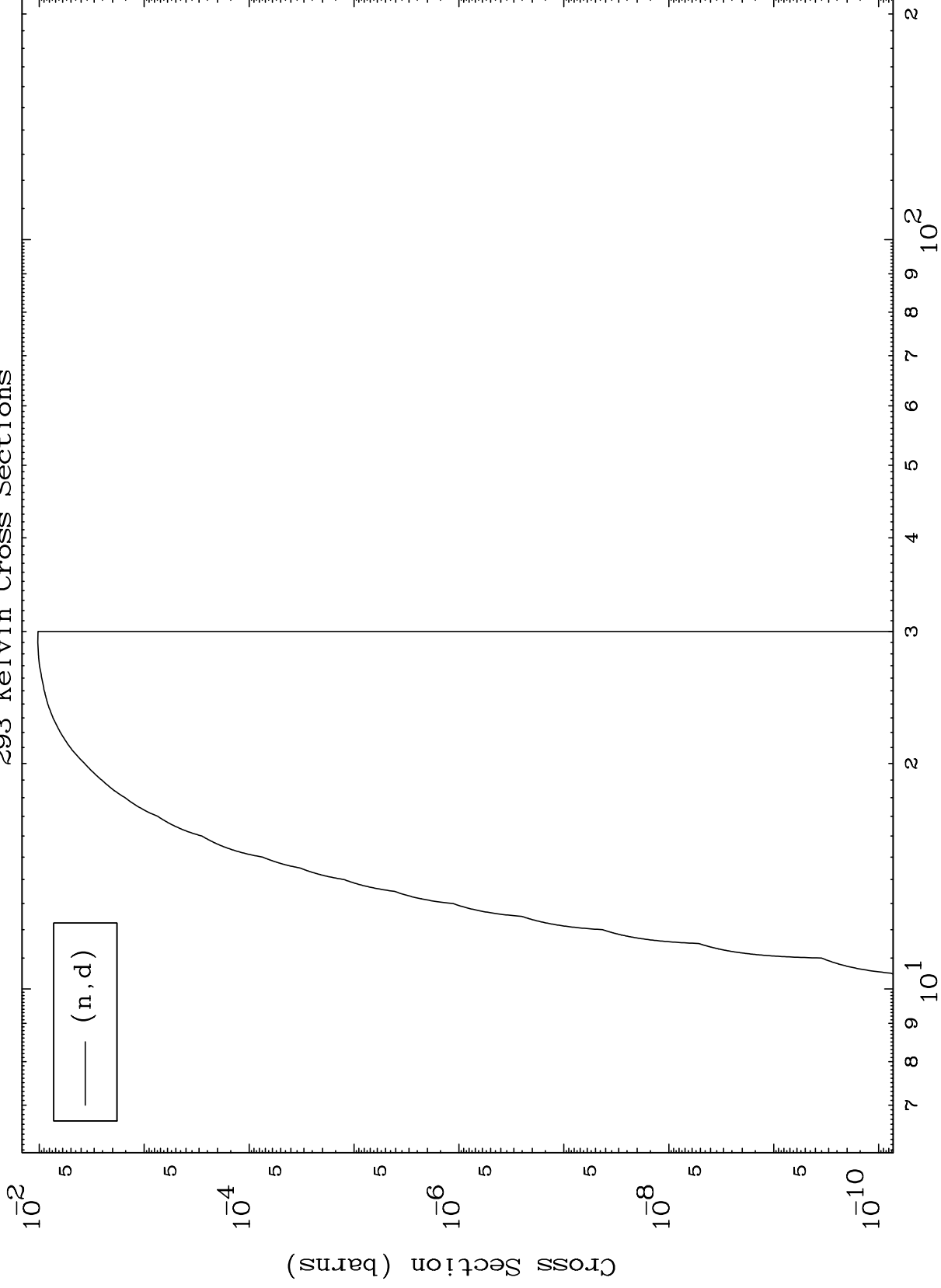
Incident Energy (MeV)

72-Hf-182

MAT 7249

(n,d) Levels  
293 Kelvin Cross Sections

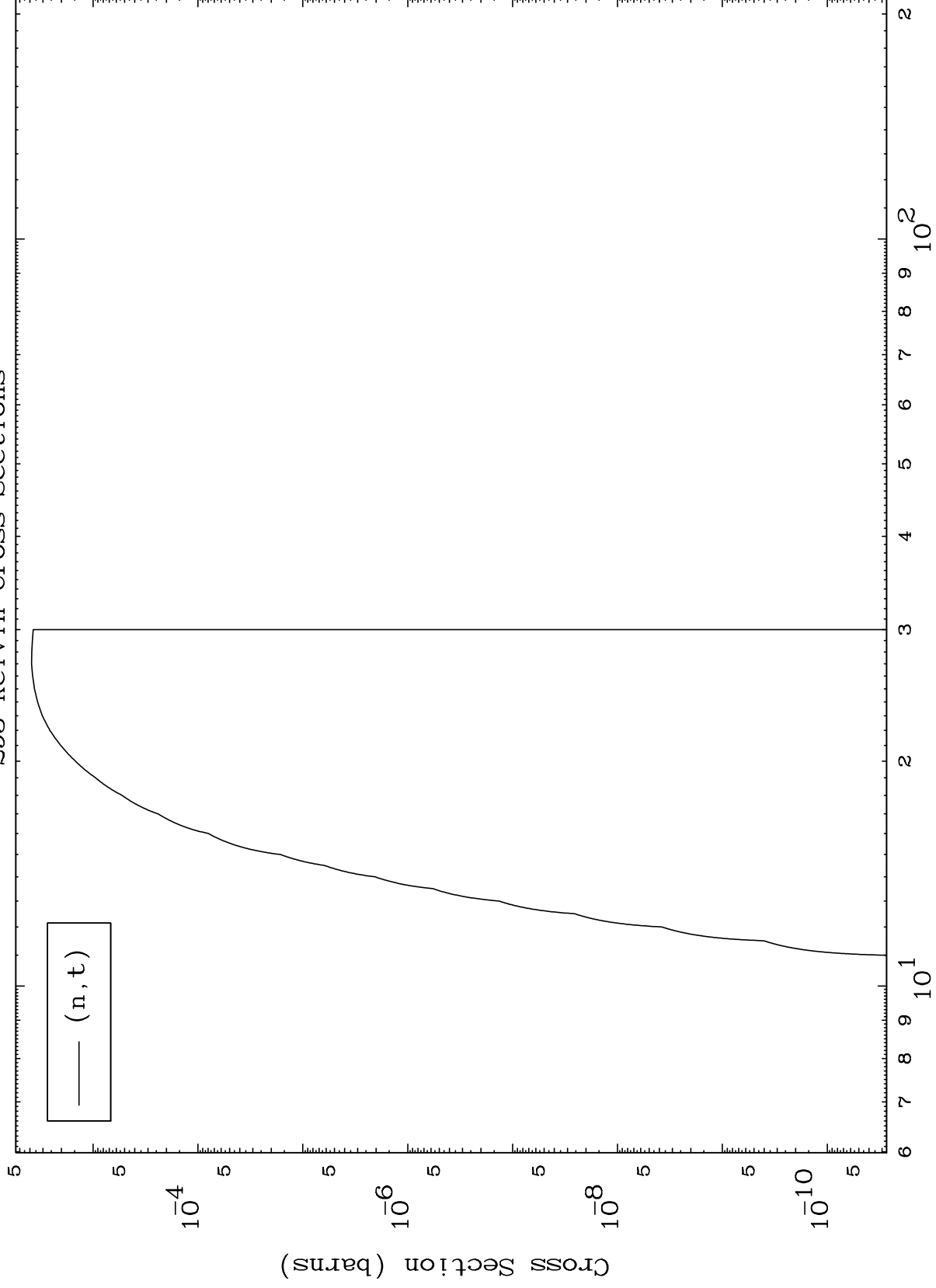
72-Hf-182



MAT 7249

(n,t) Levels  
293 Kelvin Cross Sections

72-Hf-182



12

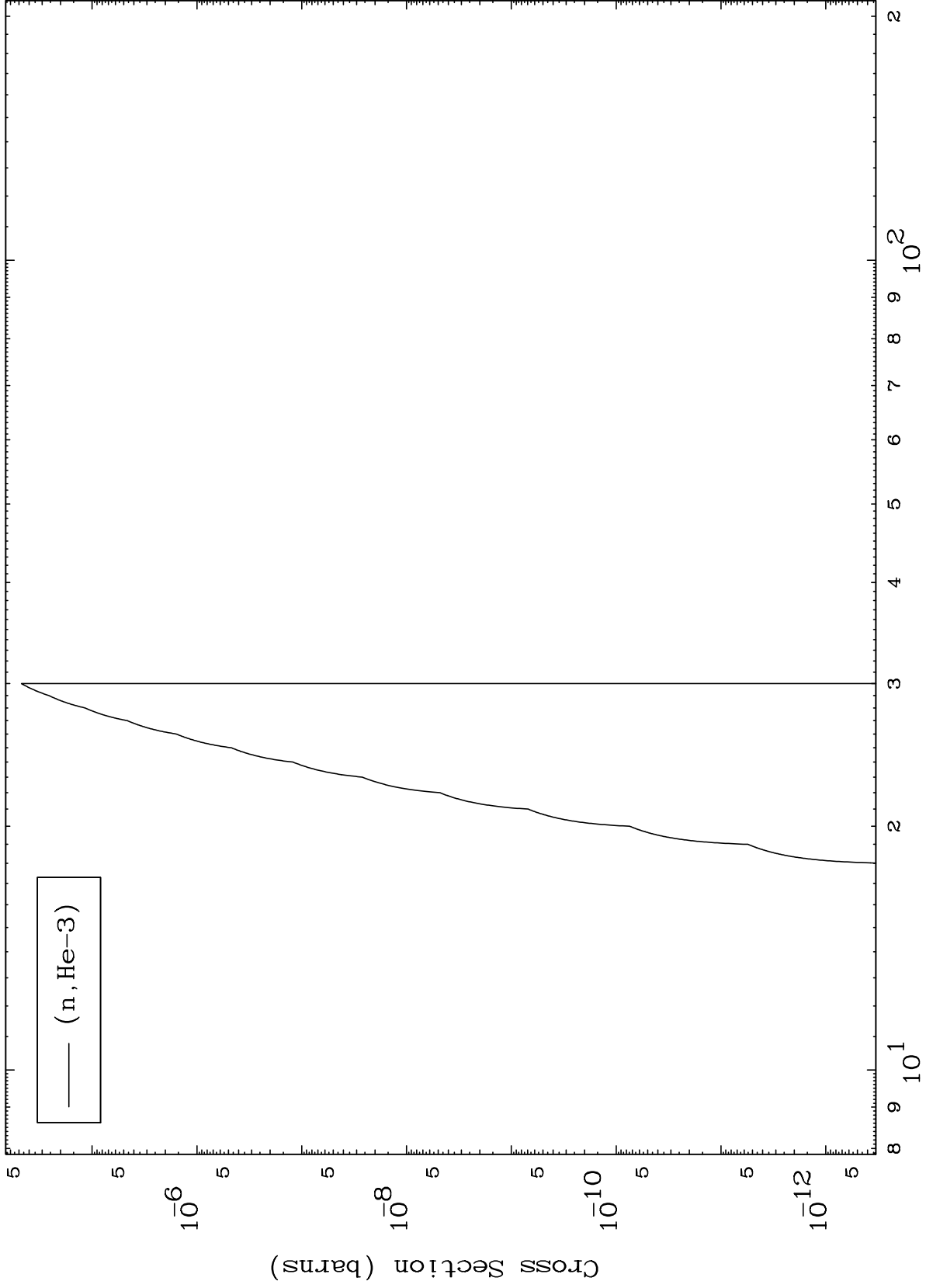
Incident Energy (MeV)

72-Hf-182

MAT 7249

(n,He3) Levels  
293 Kelvin Cross Sections

72-Hf-182



13

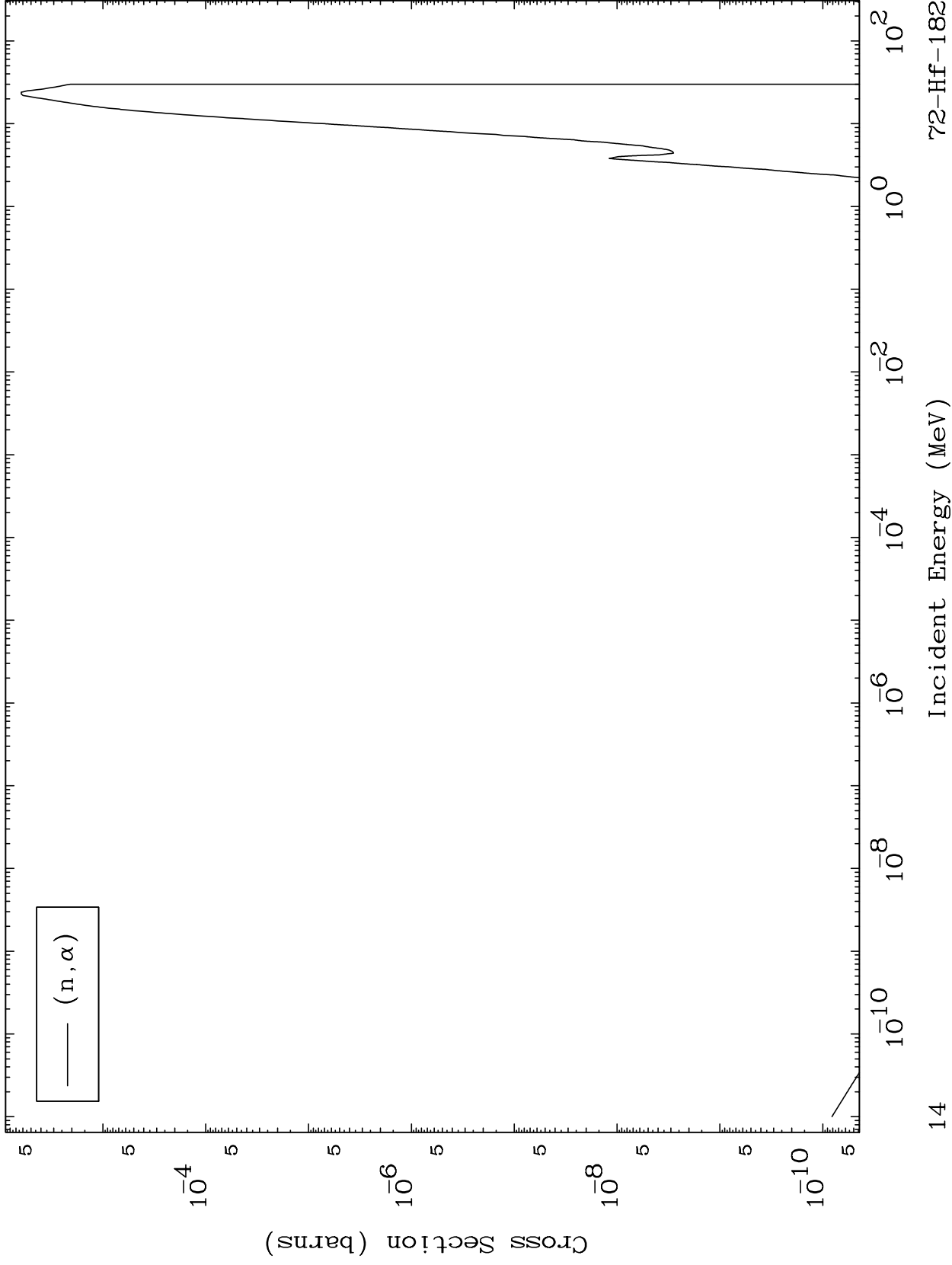
Incident Energy (MeV)

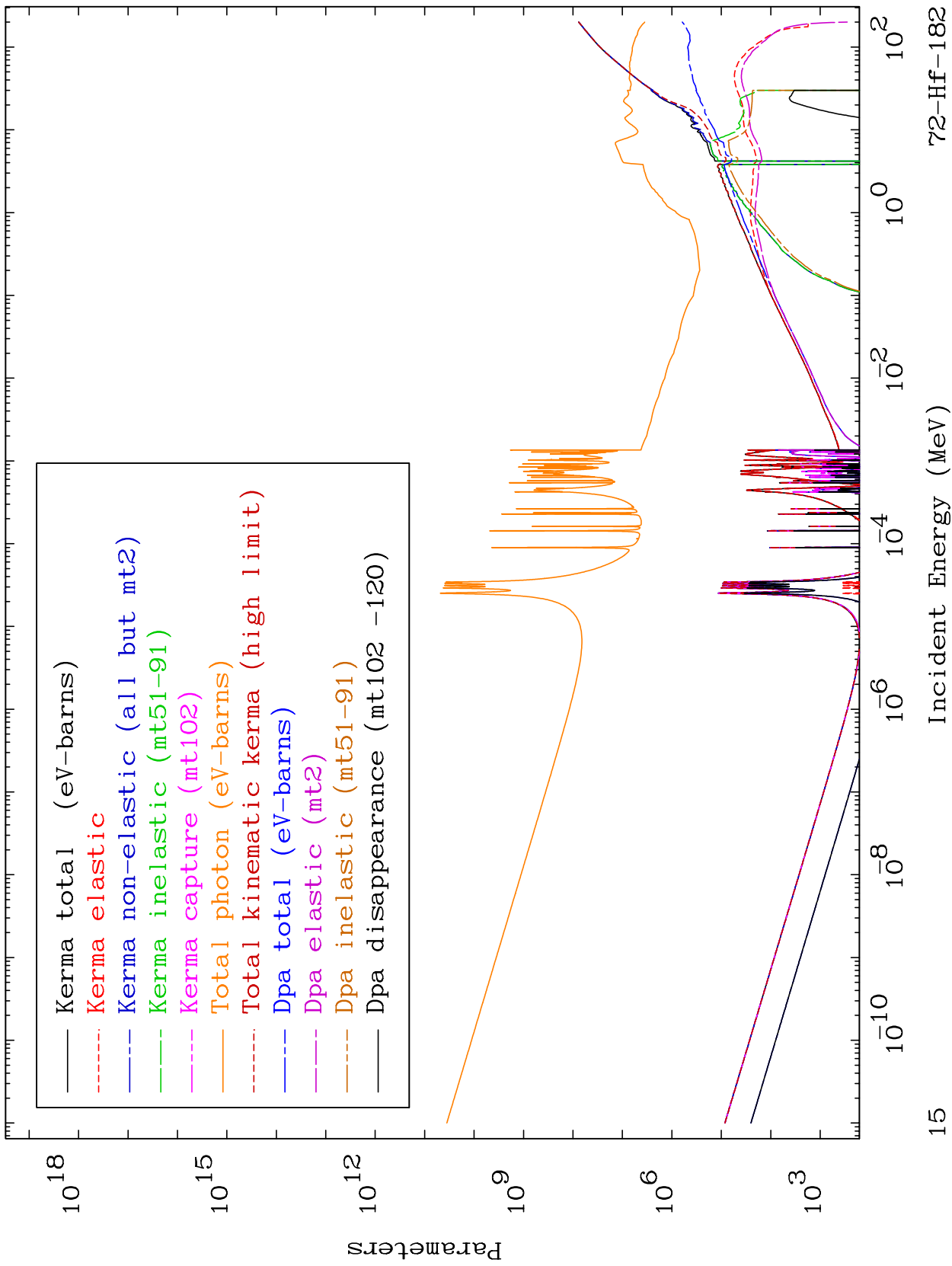
72-Hf-182

MAT 7249

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

72-Hf-182



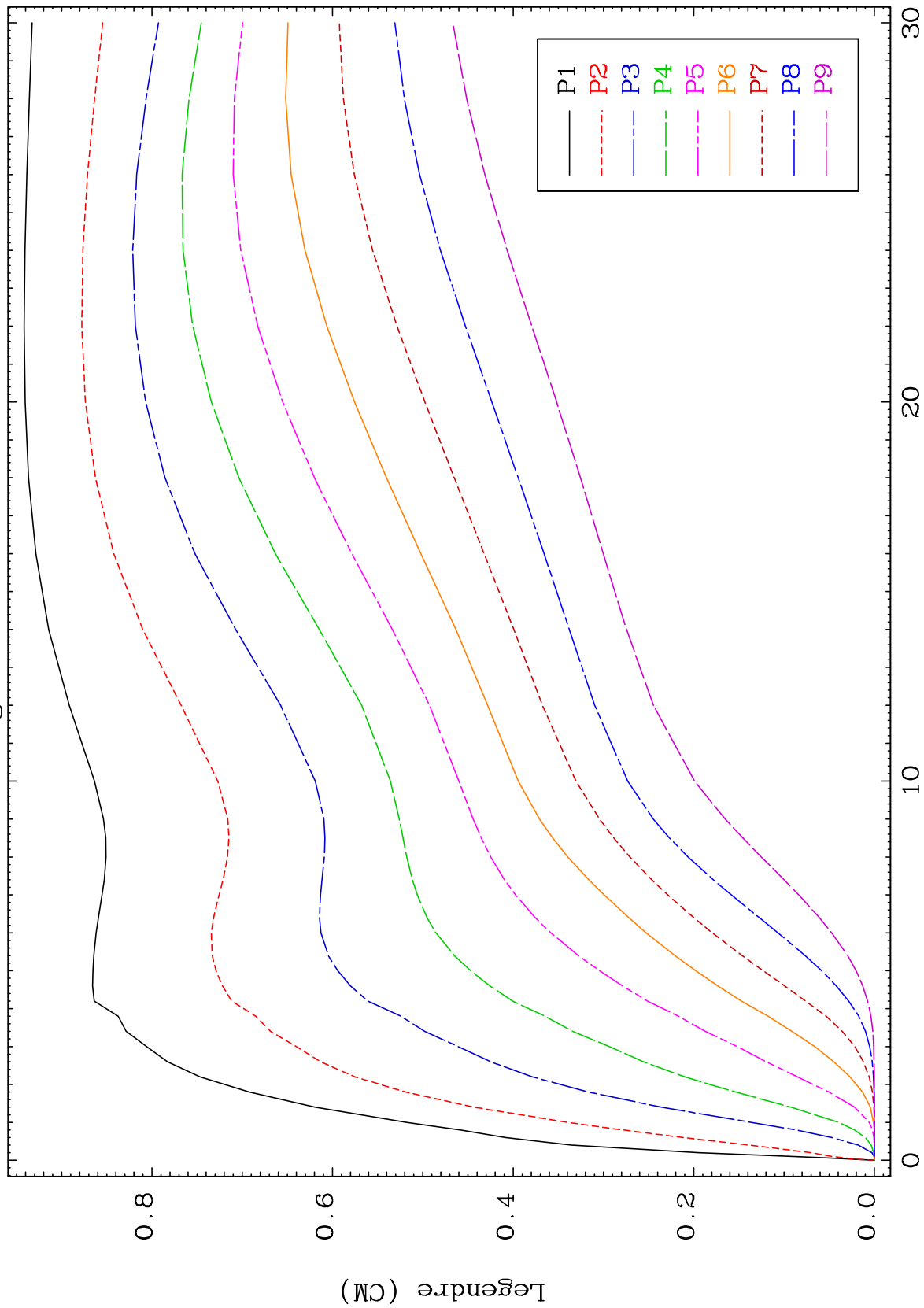




MAT 7249

Elastic Legendre Coefficients

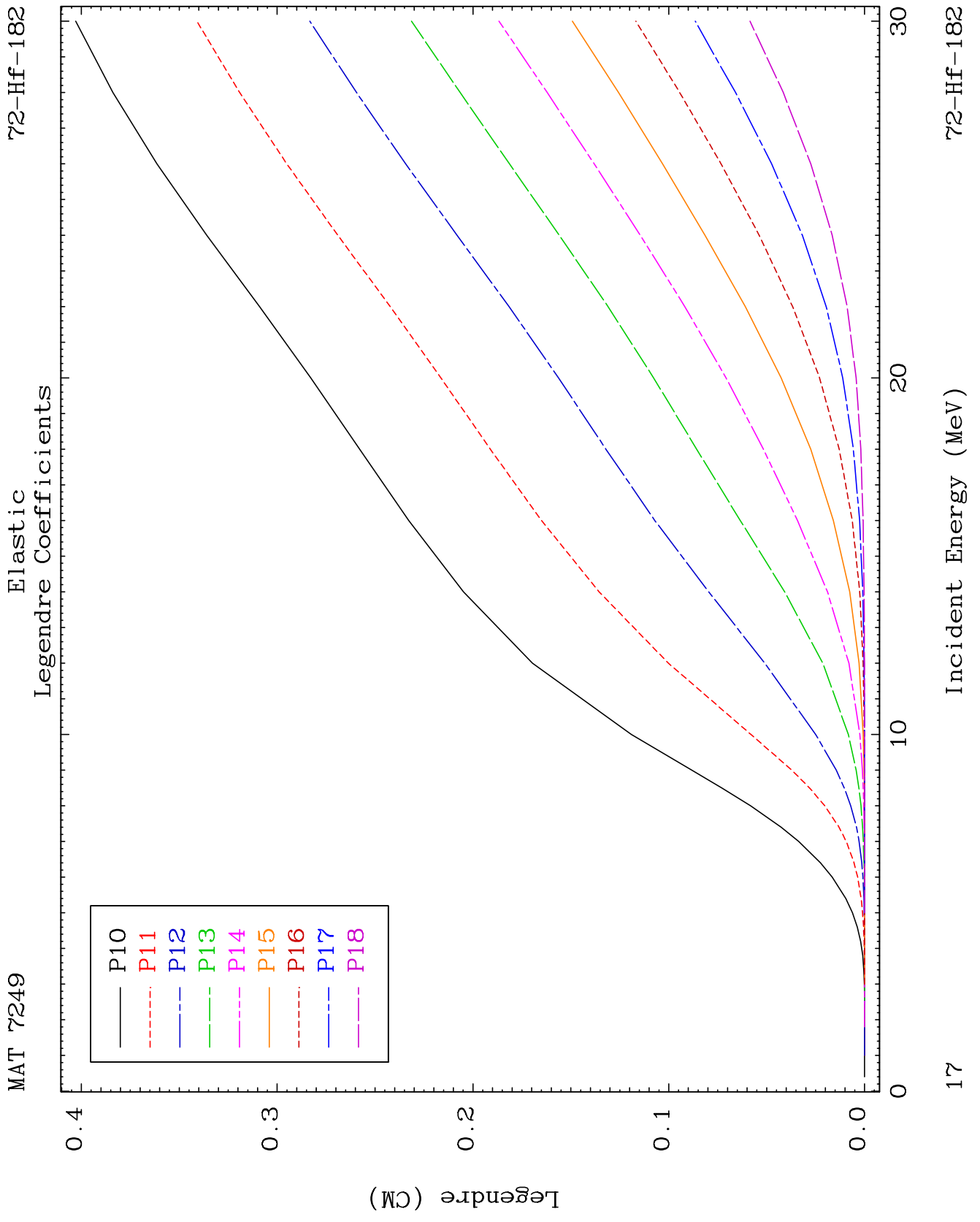
72-Hf-182



16

Incident Energy (MeV)

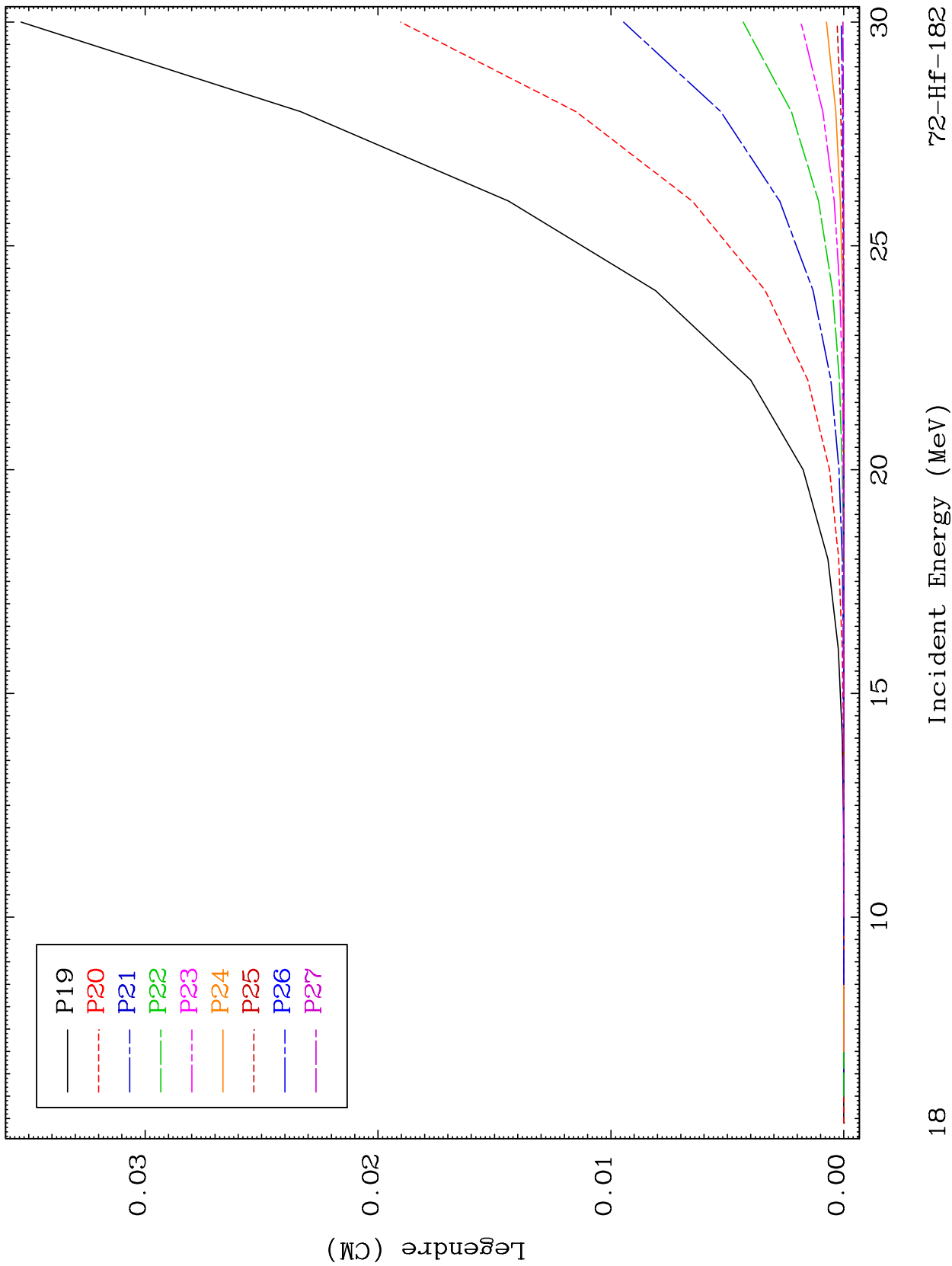
72-Hf-182



MAT 7249

Elastic Legendre Coefficients

72-Hf-182



18

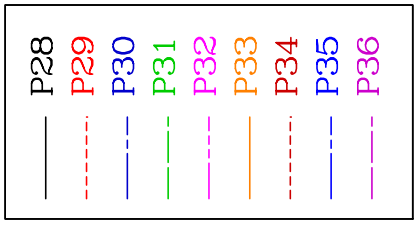
Incident Energy (MeV)

72-Hf-182

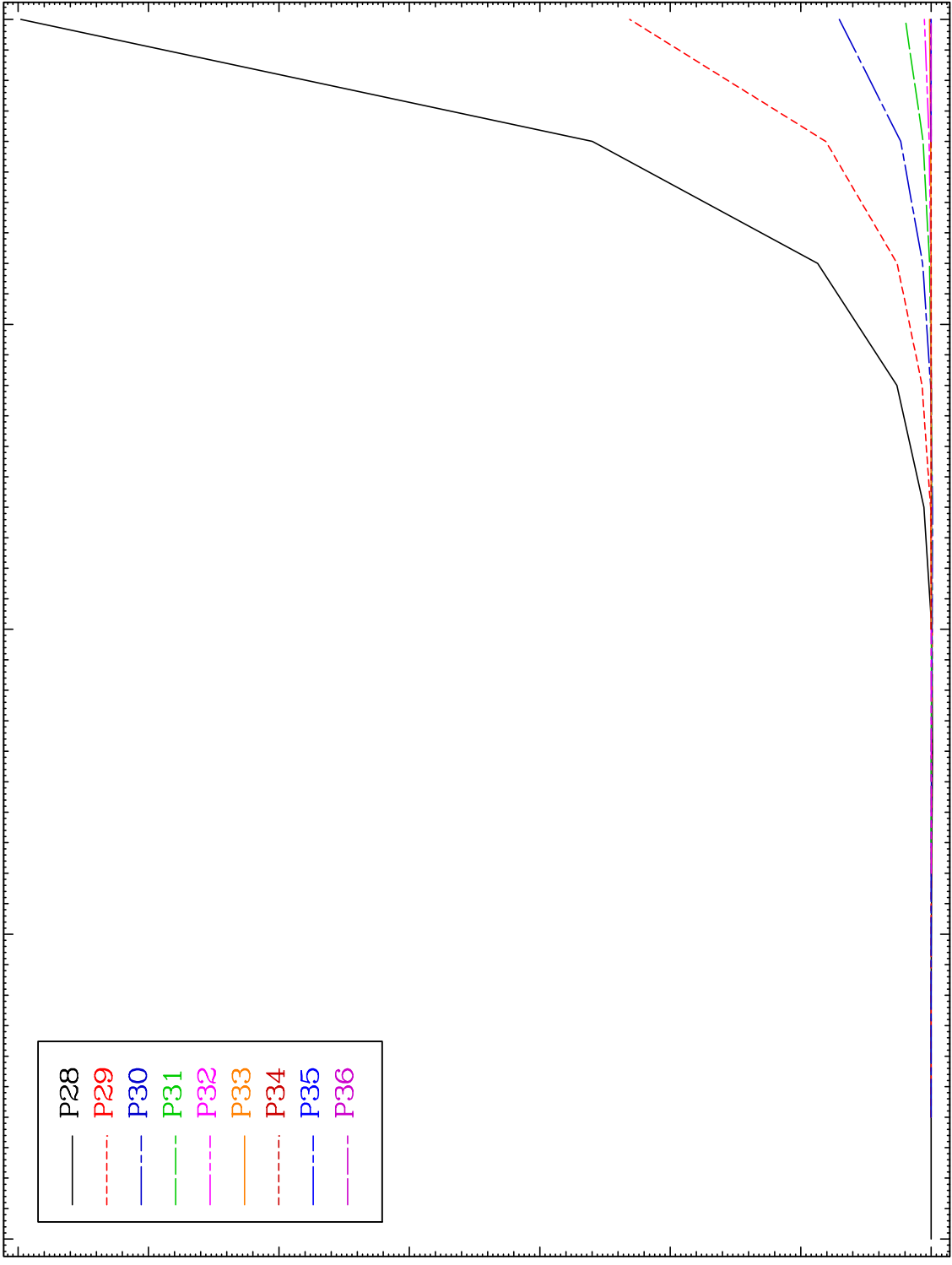
MAT 7249

Elastic Legendre Coefficients

72-Hf-182



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

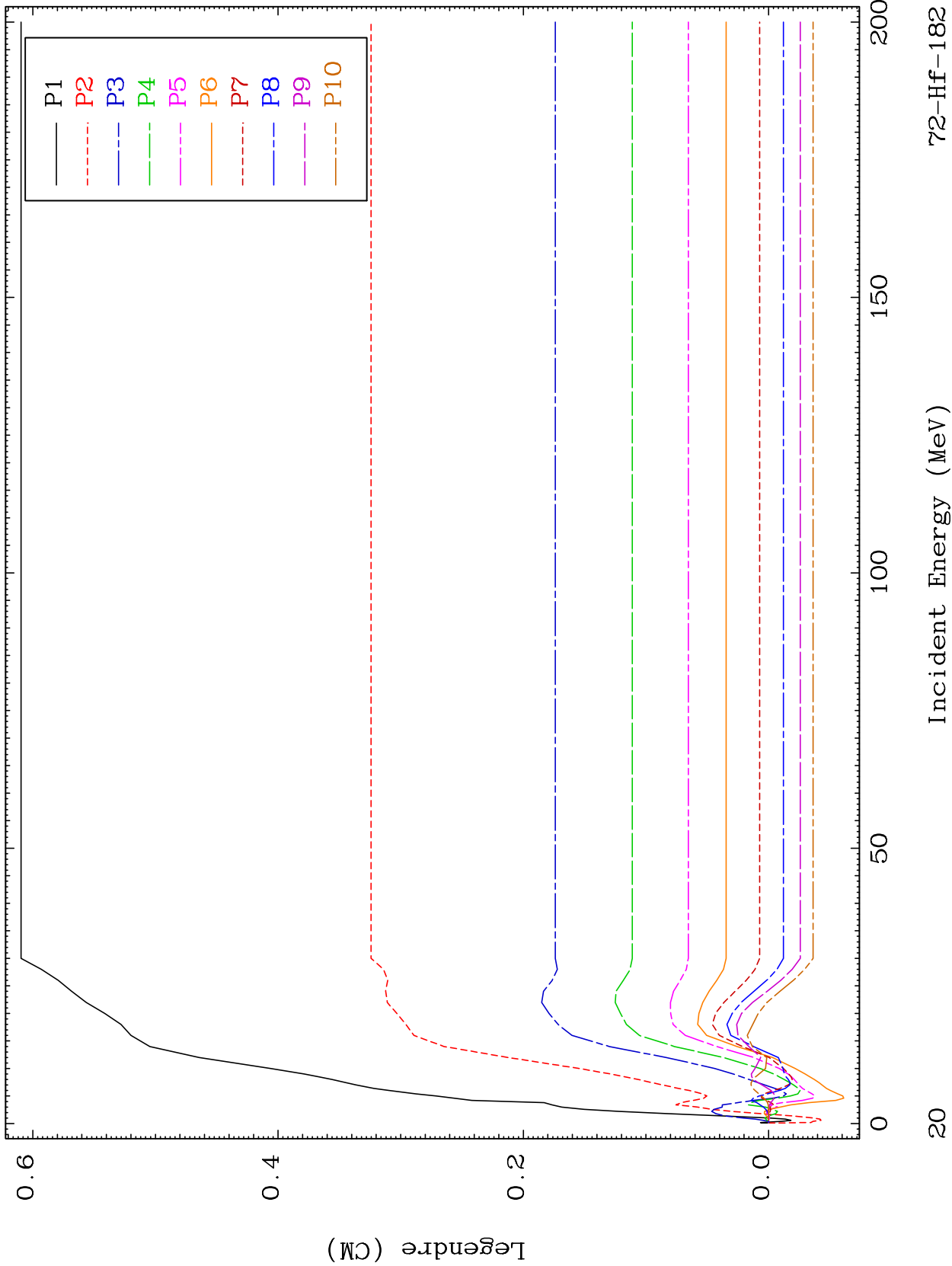


10 15 20 25 30  
Incident Energy (MeV)  
72-Hf-182

MAT 7249

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

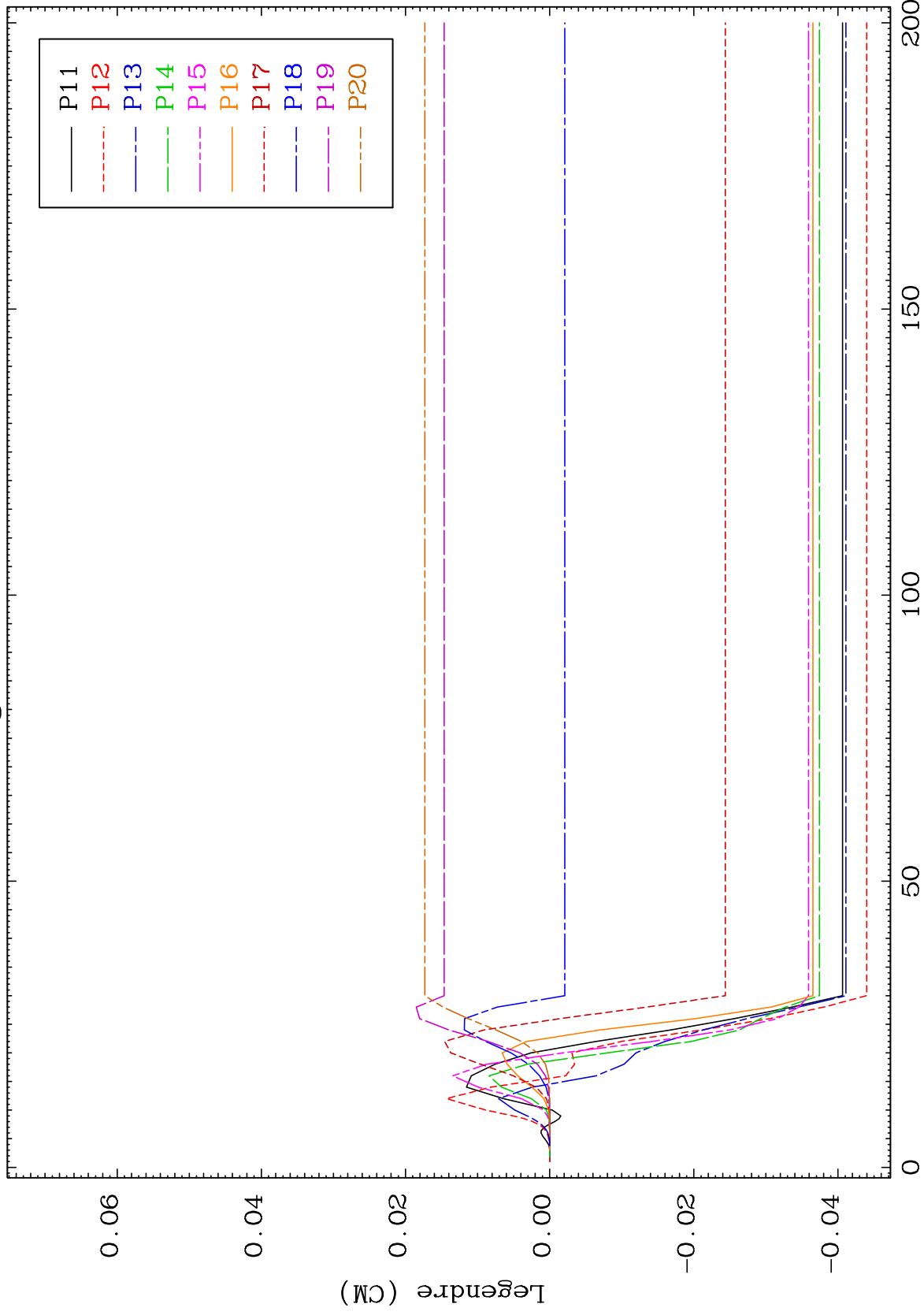
72-Hf-182



MAT 7249

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

72-Hf-182



21

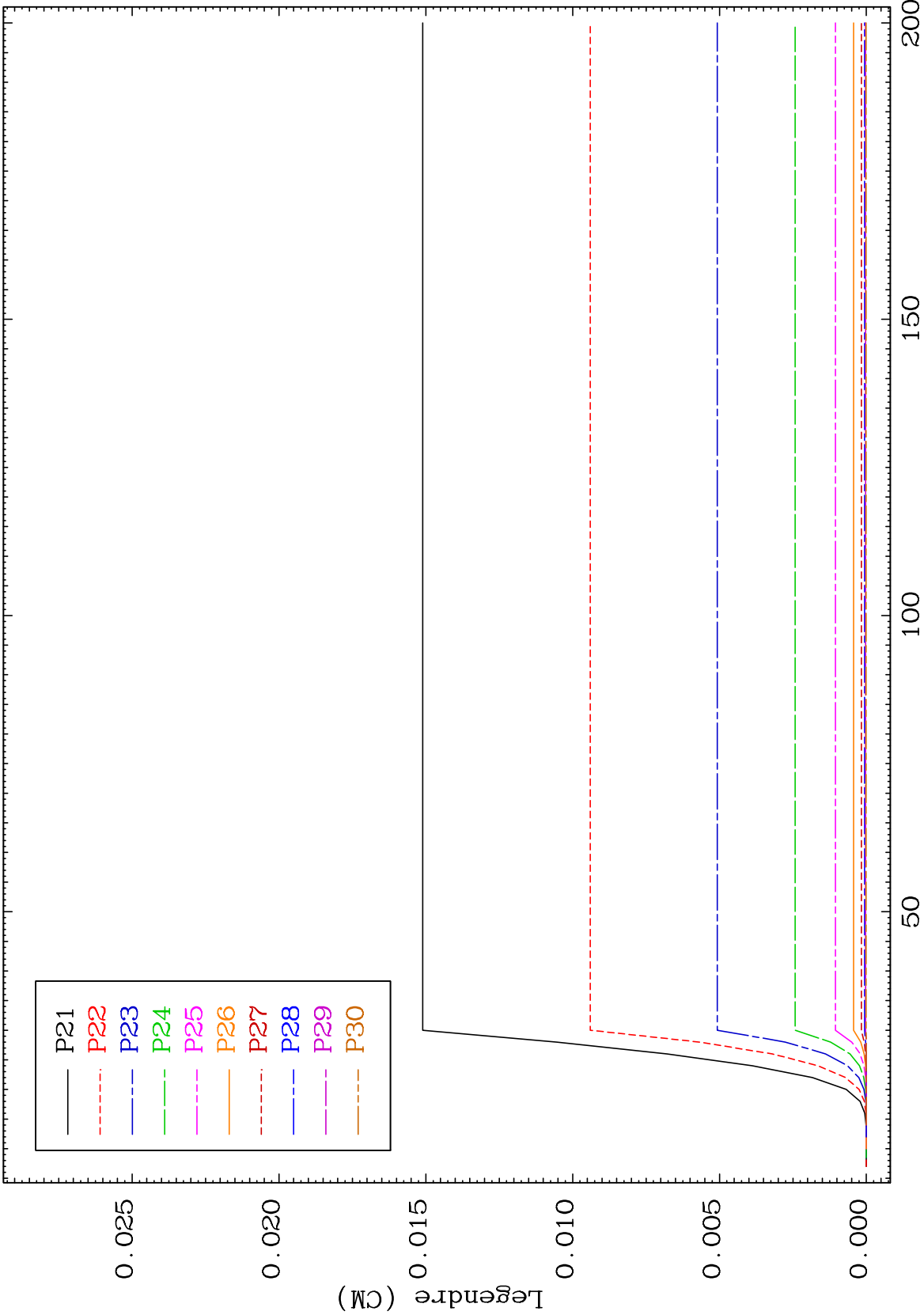
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

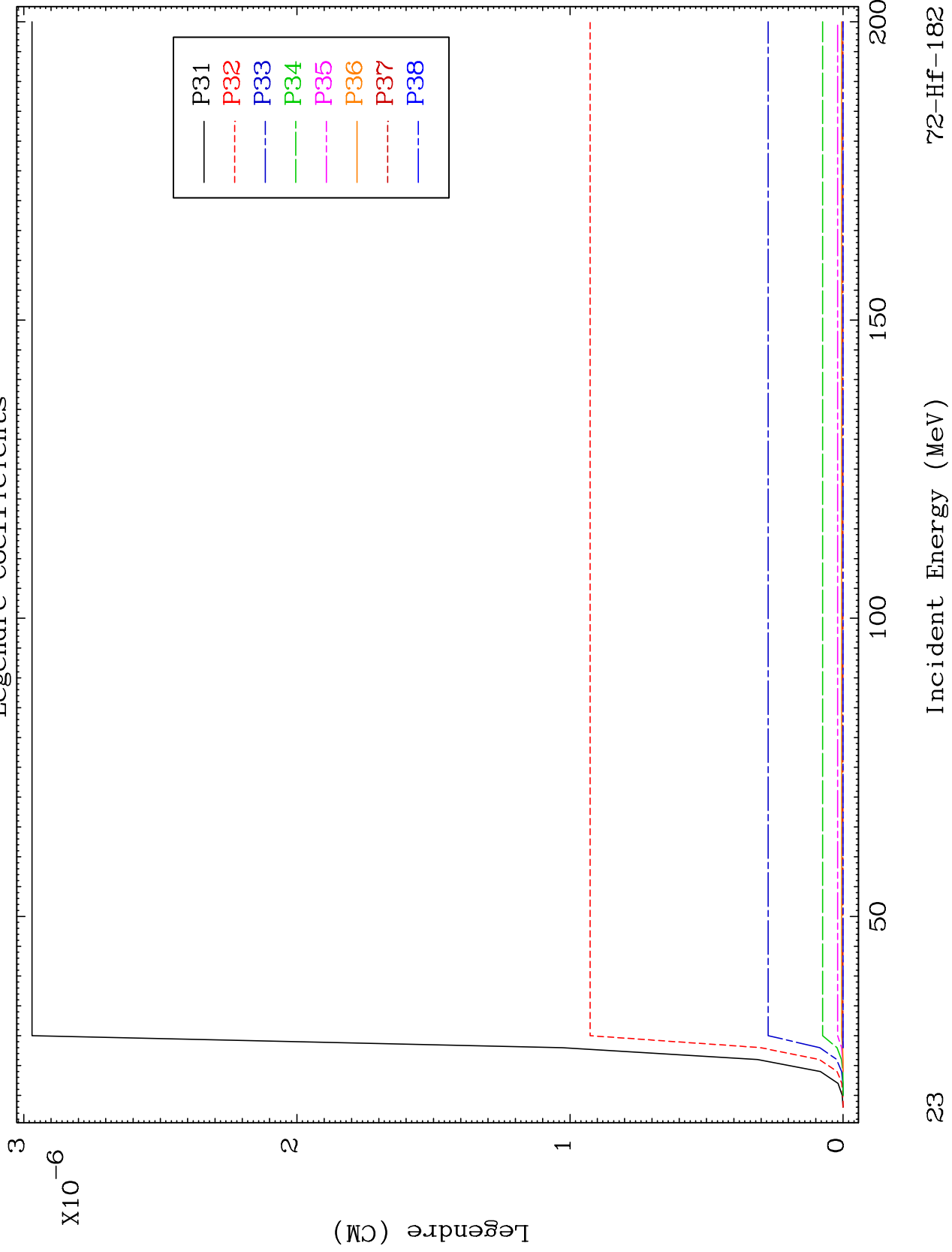
72-Hf-182



MAT 7249

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

72-Hf-182



23

Incident Energy (MeV)

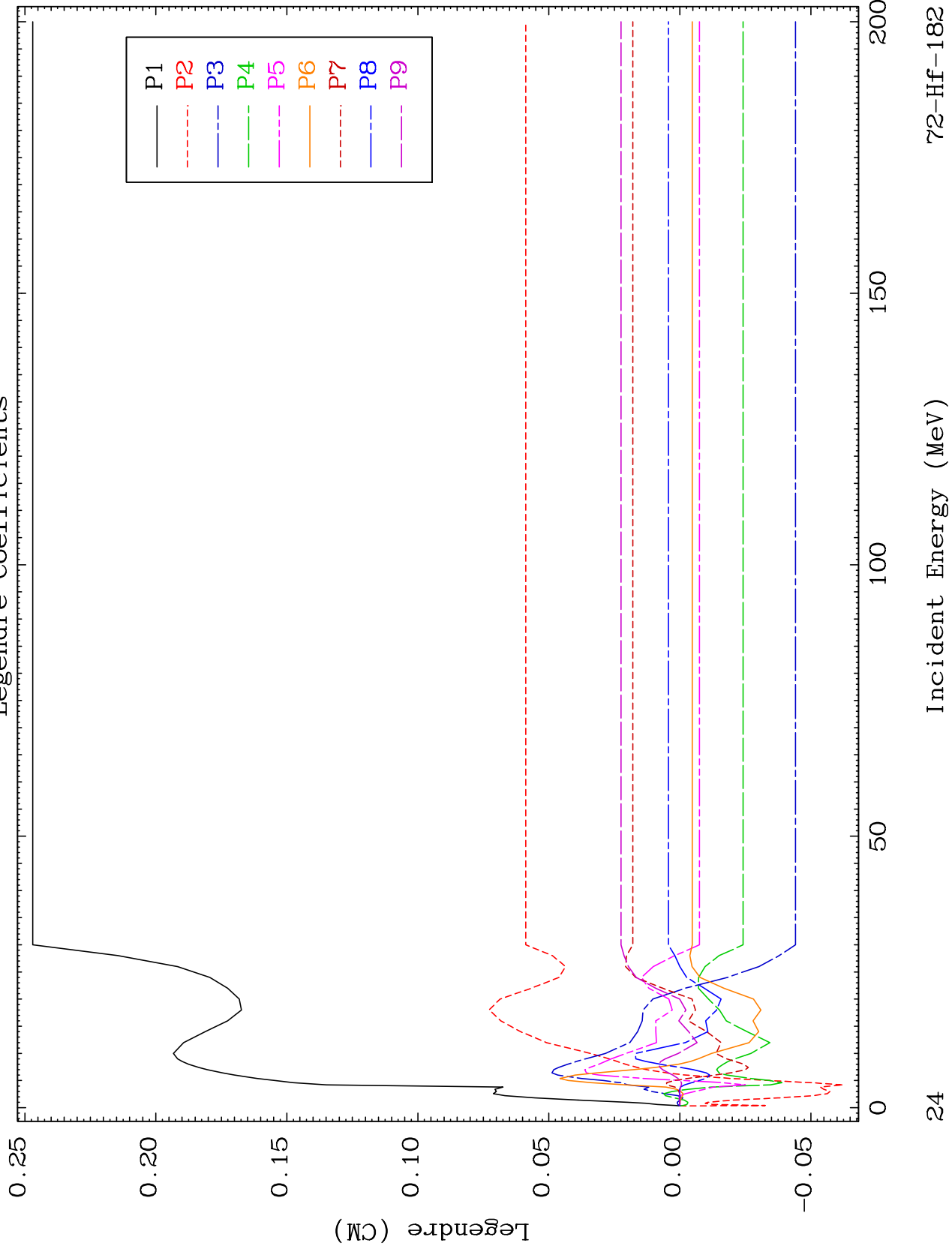
72-Hf-182



MAT 7249

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

72-Hf-182



72-Hf-182

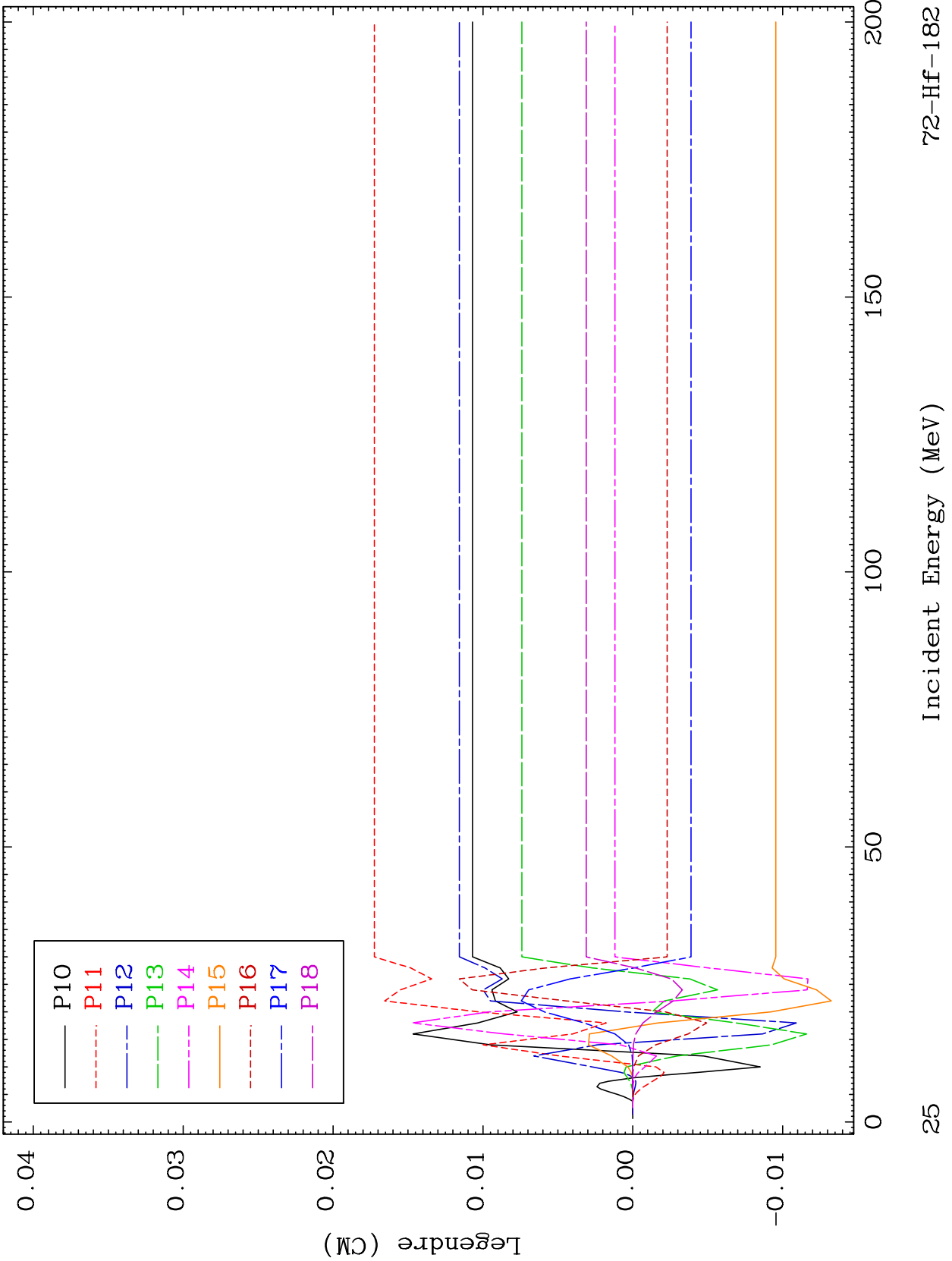
Incident Energy (MeV)

24

MAT 7249

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

72-Hf-182



72-Hf-182

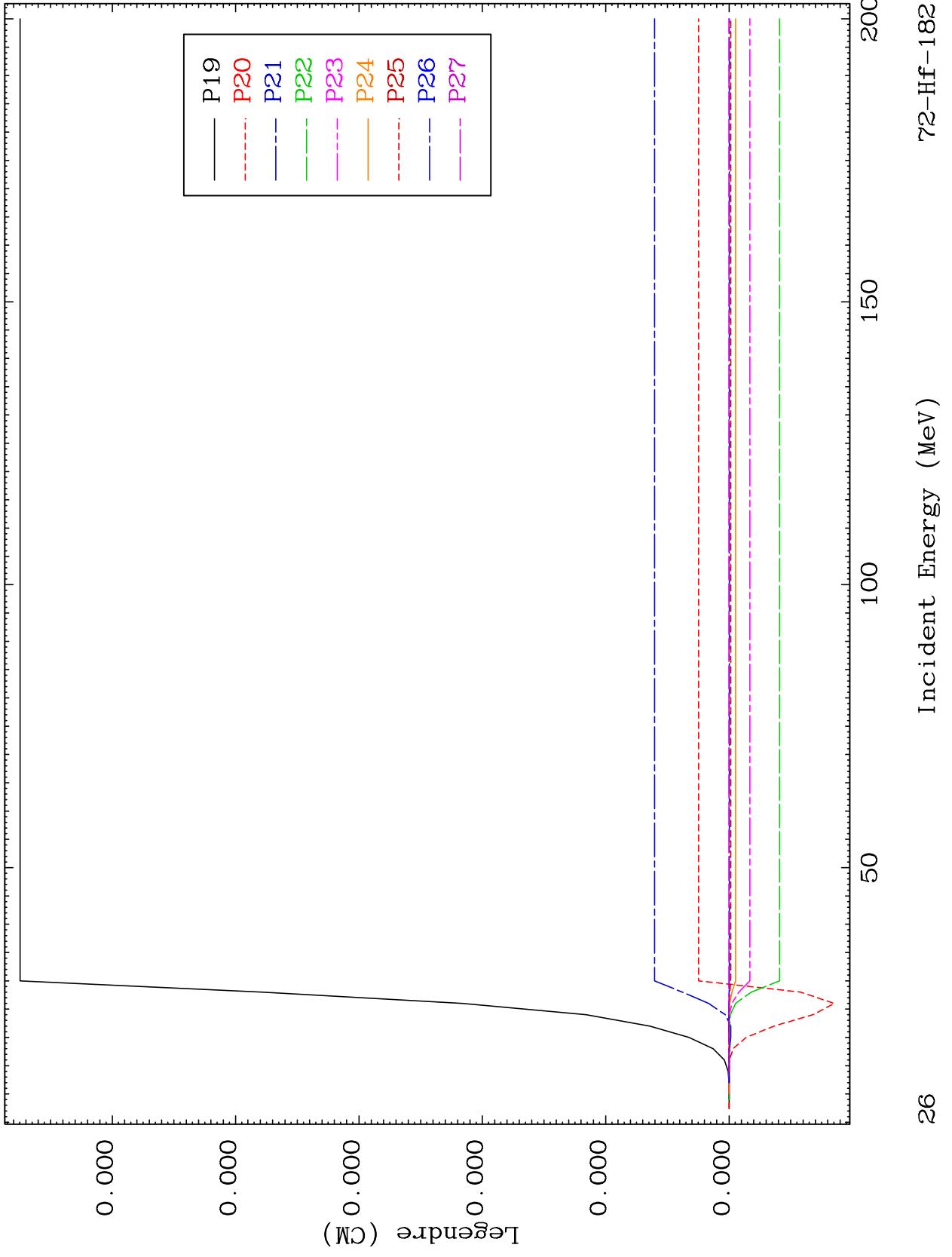
Incident Energy (MeV)

25

MAT 7249

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

72-Hf-182



26

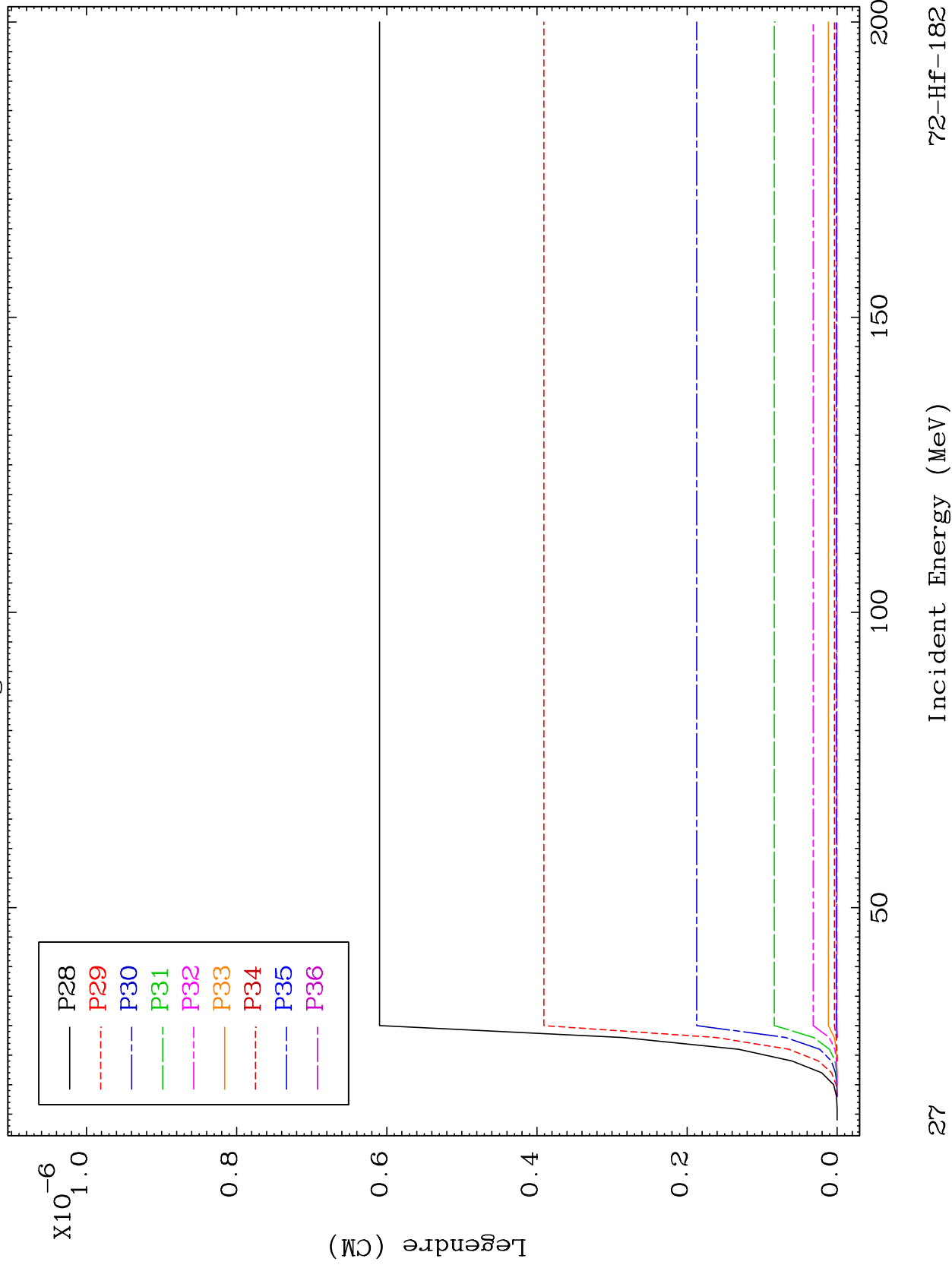
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

72-Hf-182



72-Hf-182

Incident Energy (MeV)

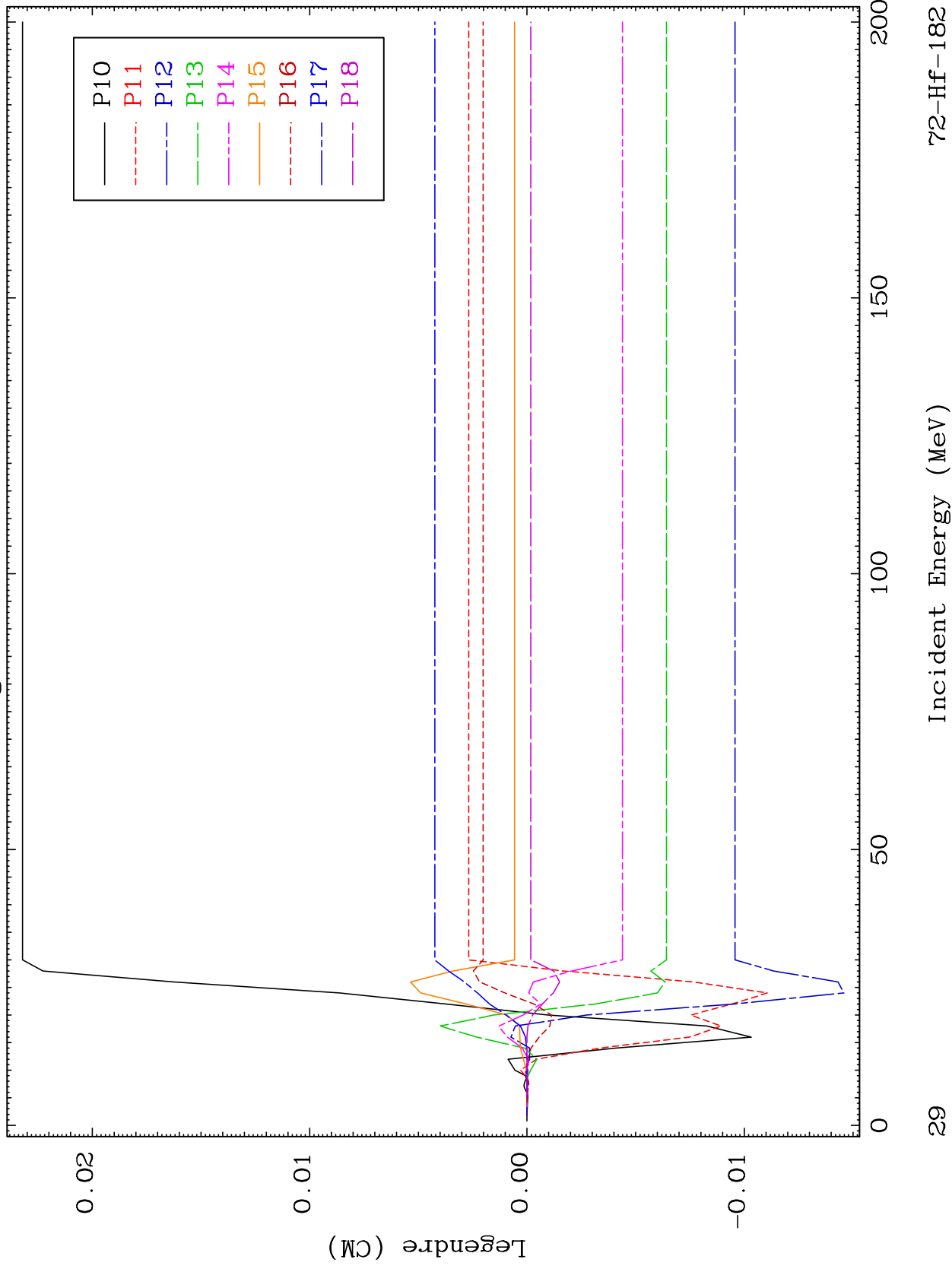
27



MAT 7249

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

72-Hf-182



72-Hf-182

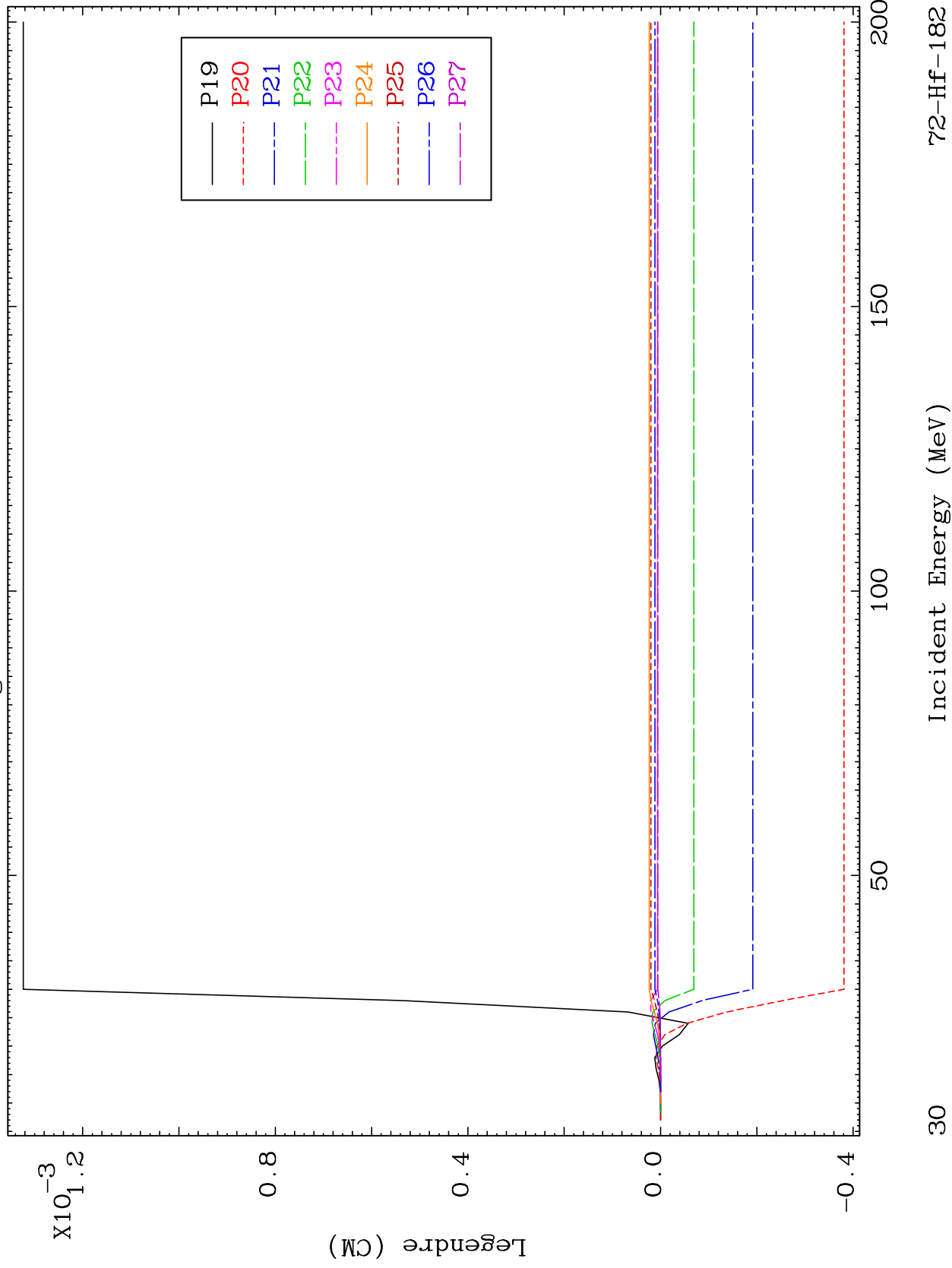
Incident Energy (MeV)

29

MAT 7249

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

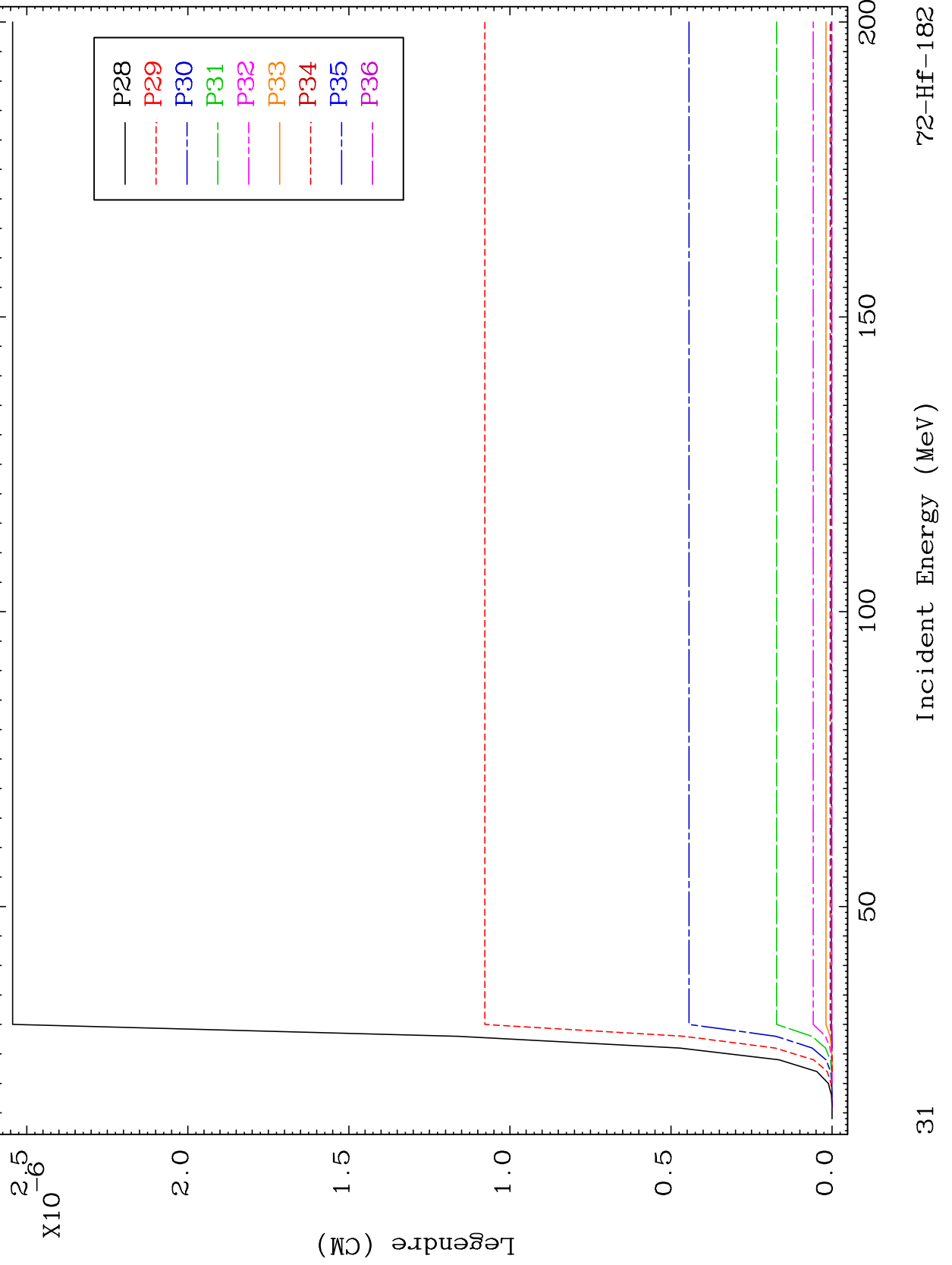
72-Hf-182



MAT 7249

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

72-Hf-182

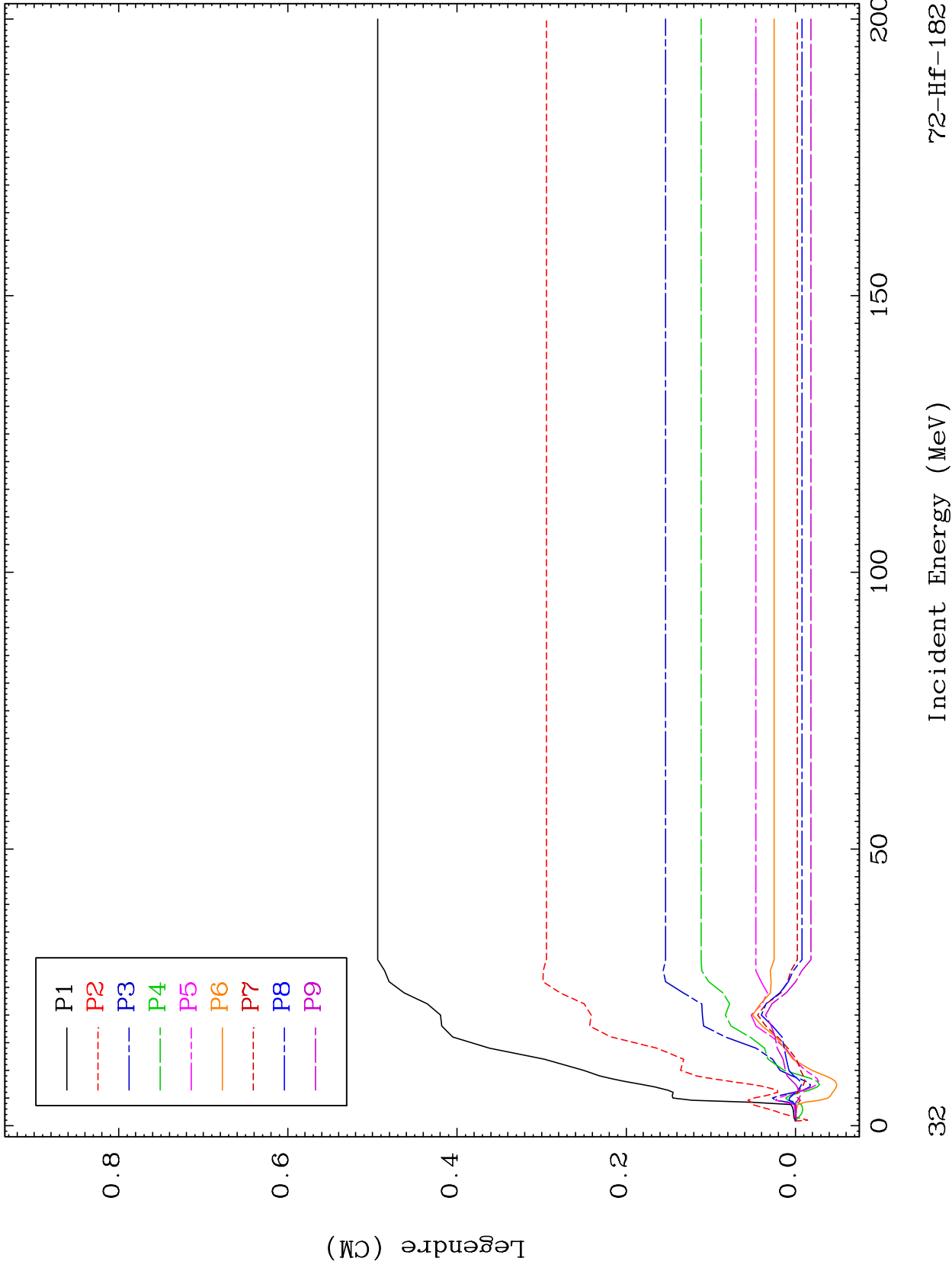




MAT 7249

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

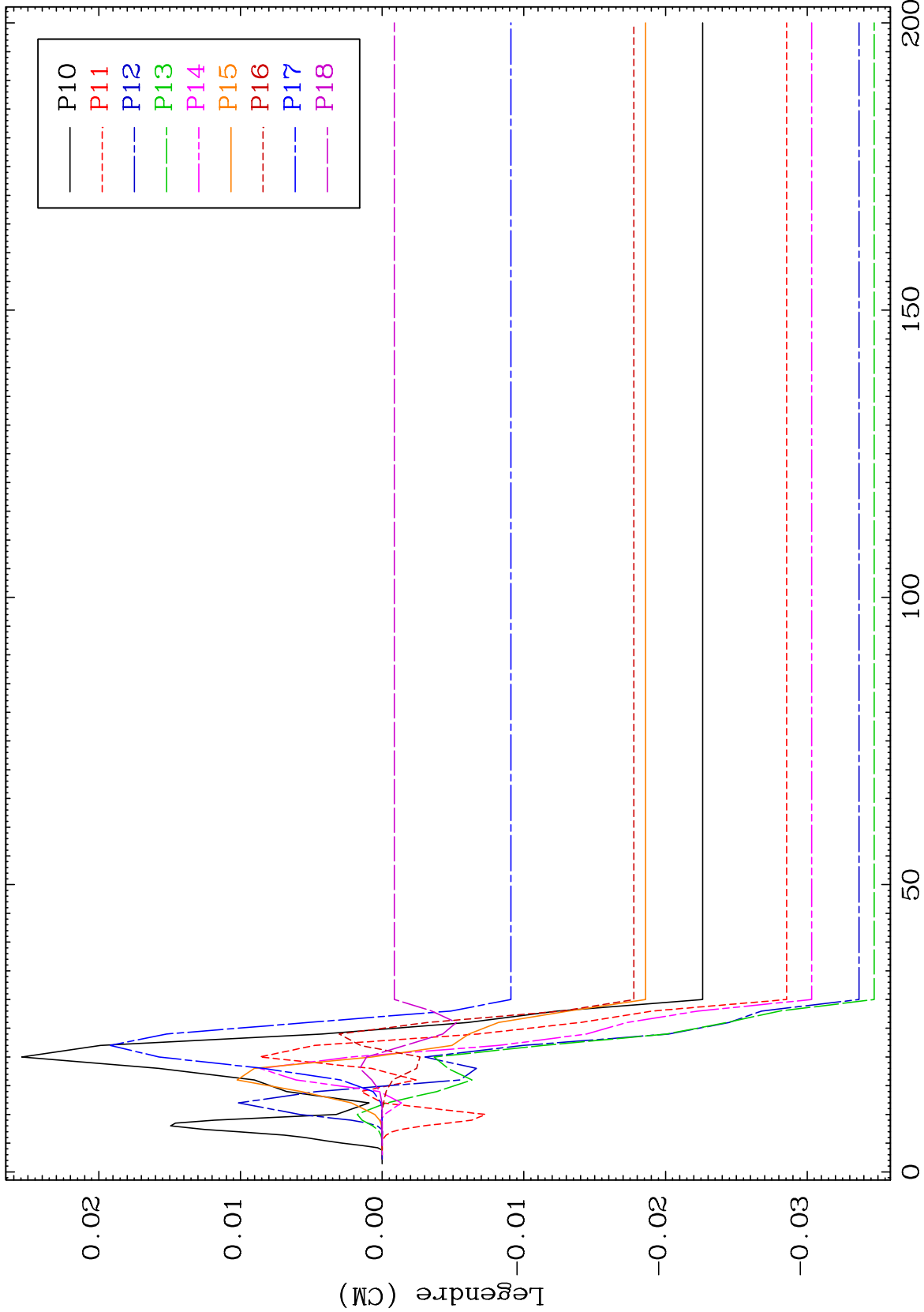
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MAT 7249

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

72-Hf-182



33

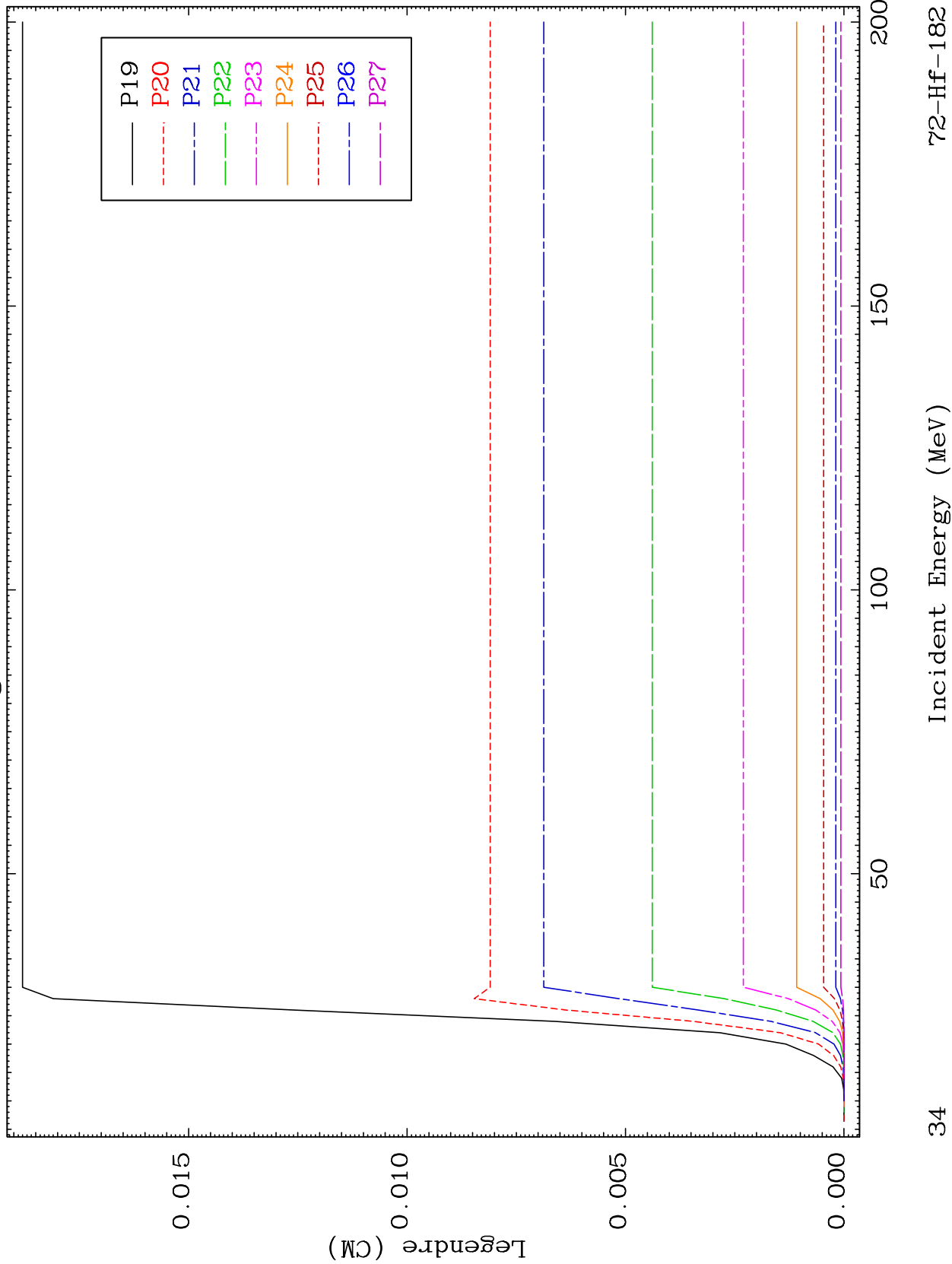
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

72-Hf-182



34

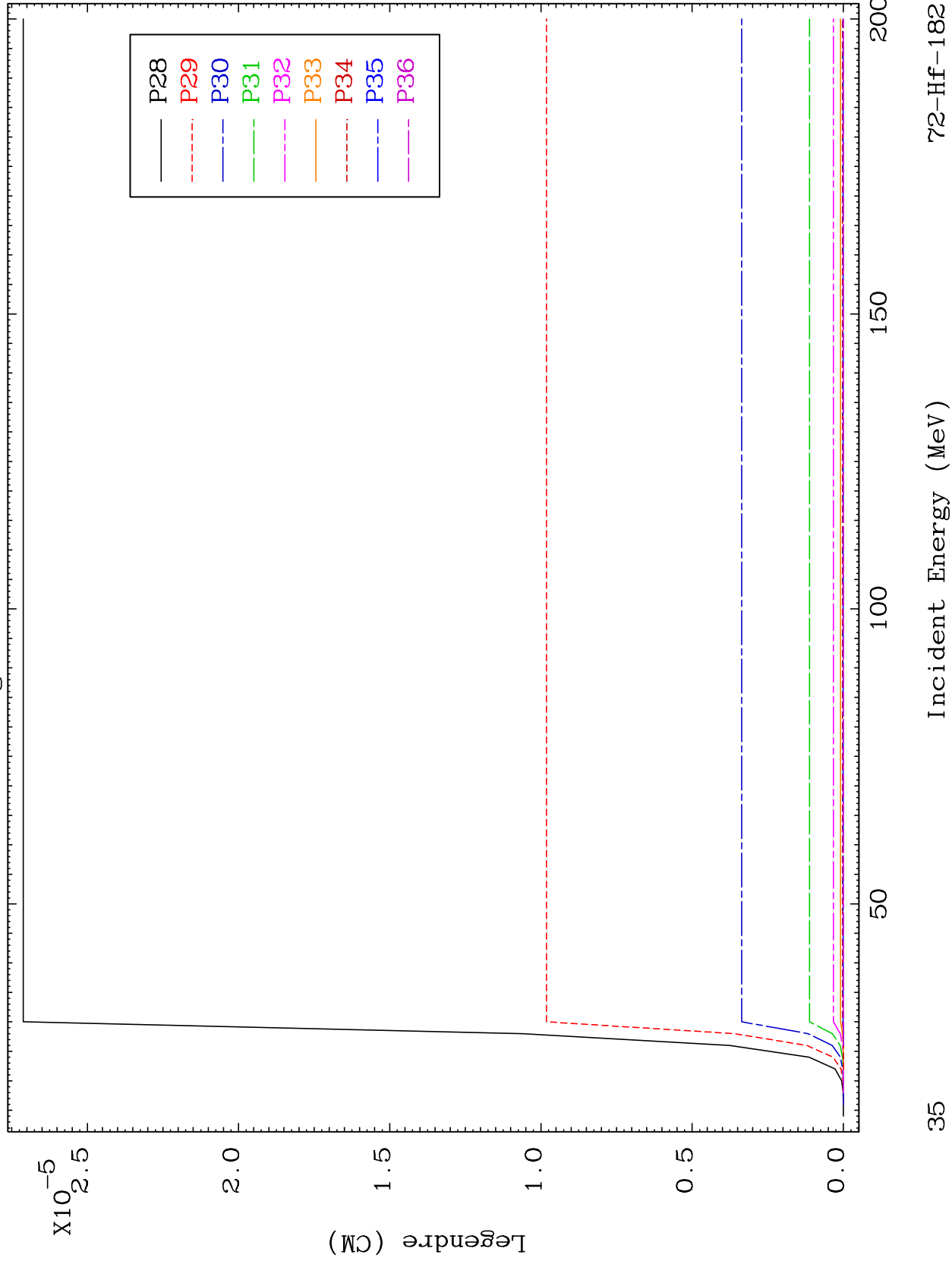
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

72-Hf-182



35

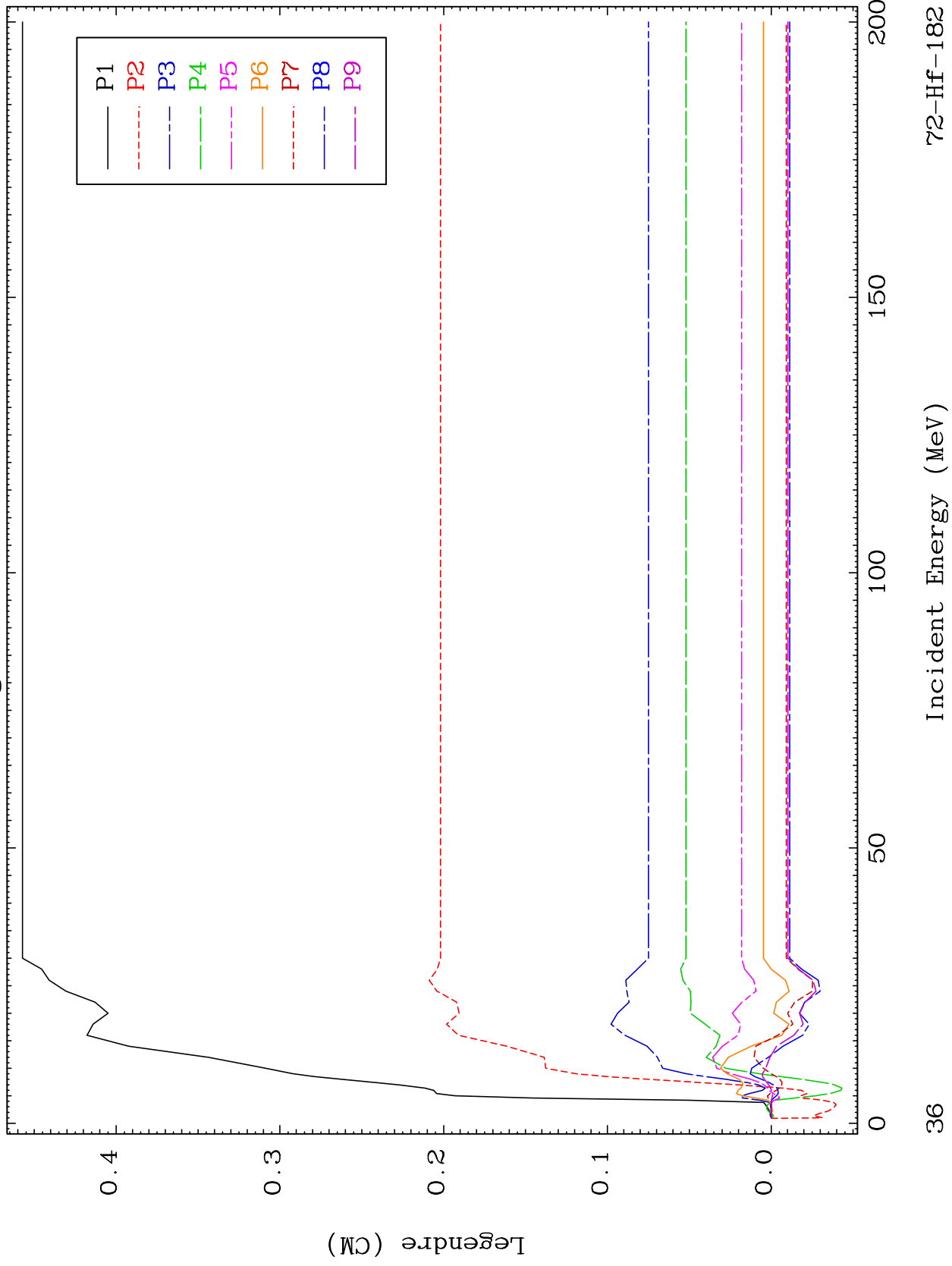
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

72-Hf-182



36

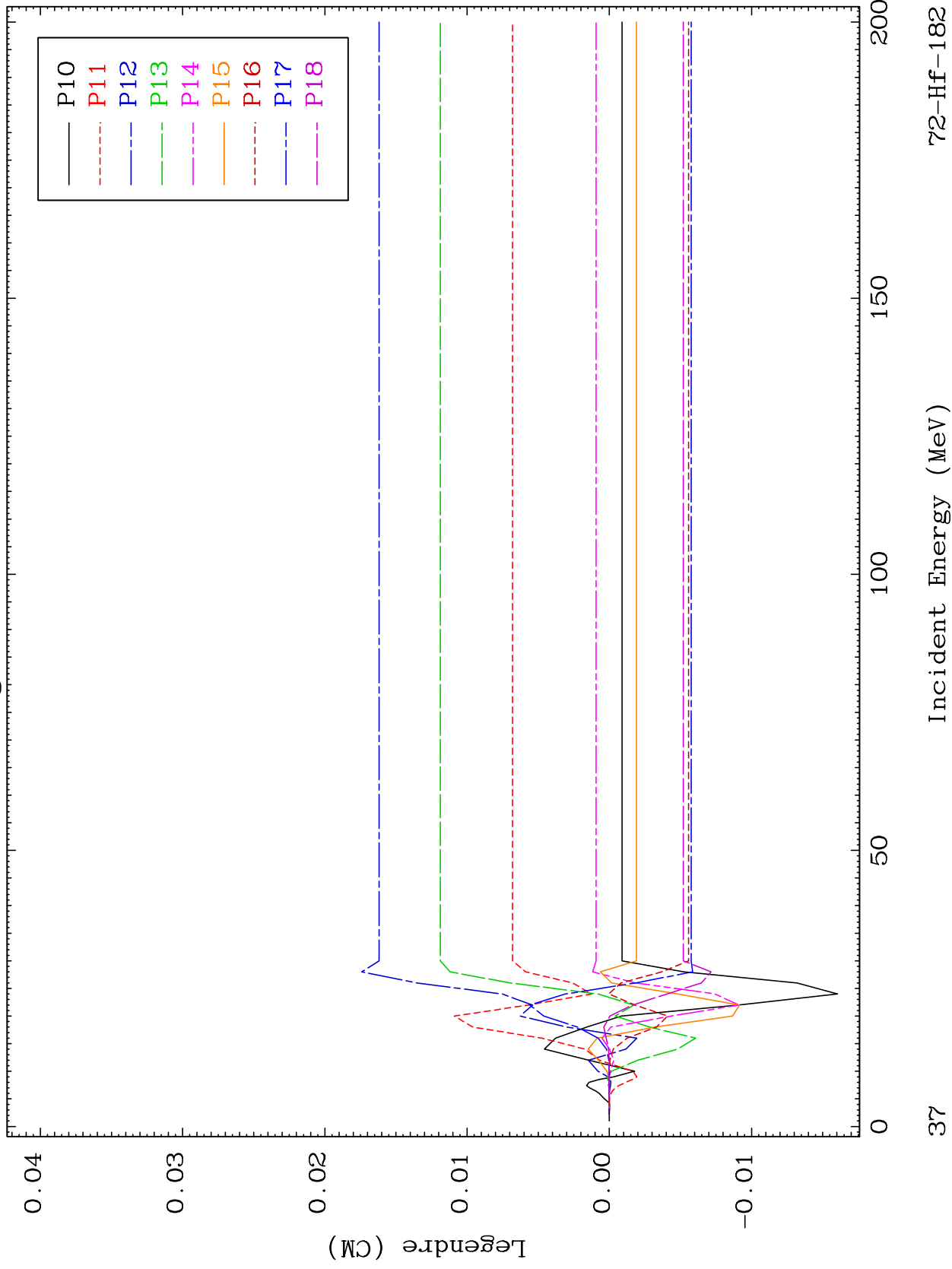
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

72-Hf-182



72-Hf-182

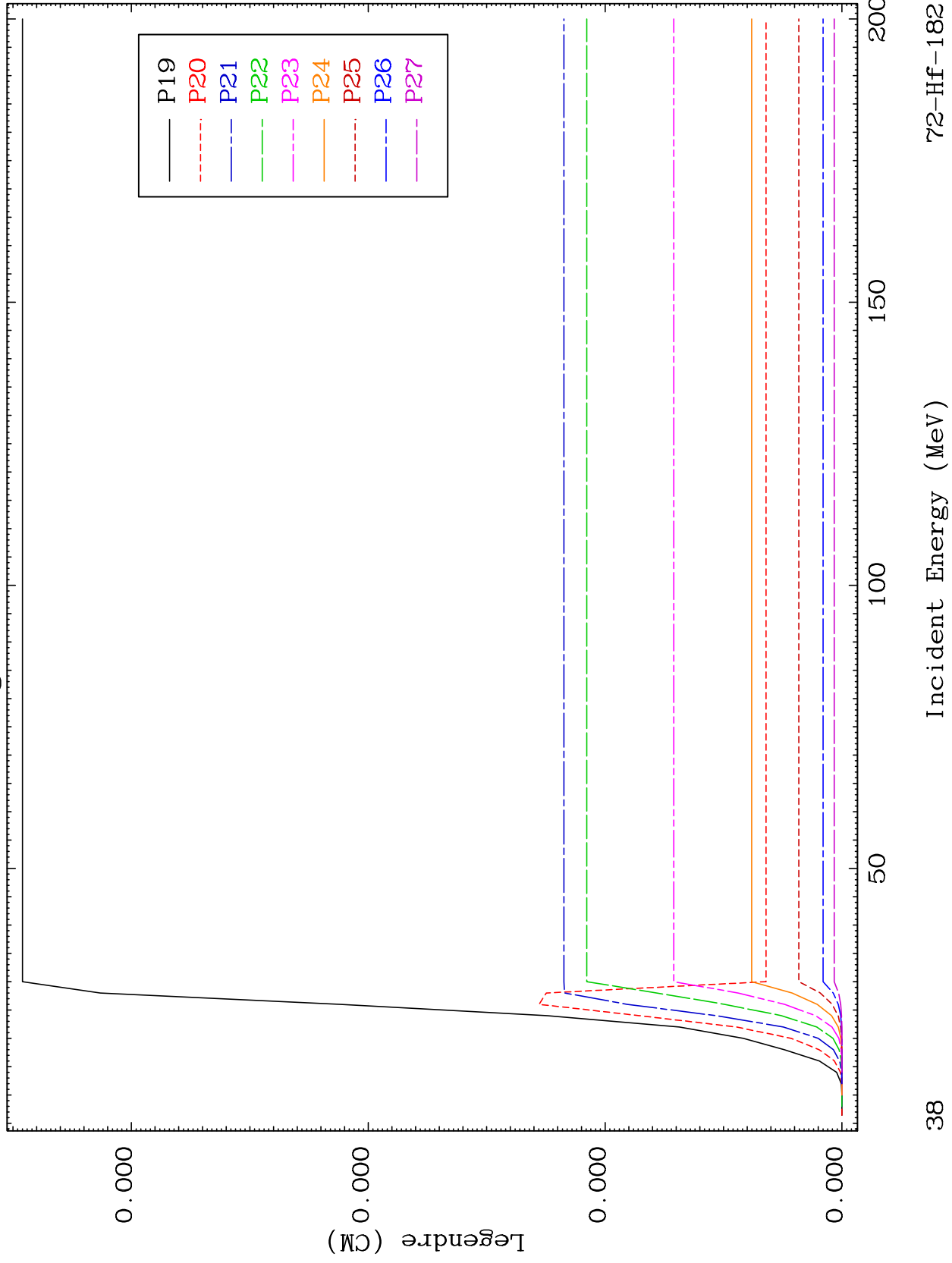
Incident Energy (MeV)

37

MAT 7249

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

72-Hf-182



38

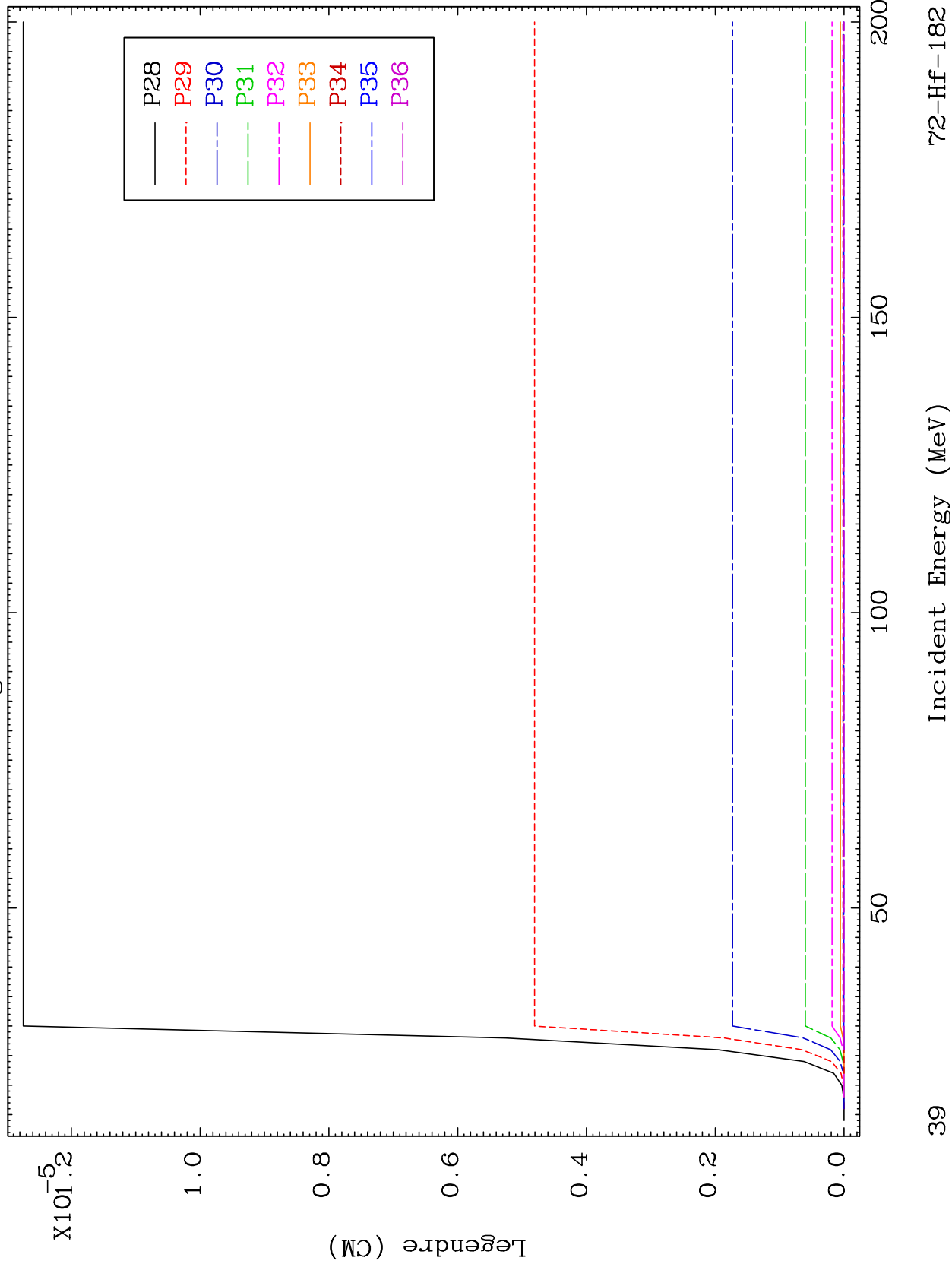
Incident Energy (MeV)

72-Hf-182

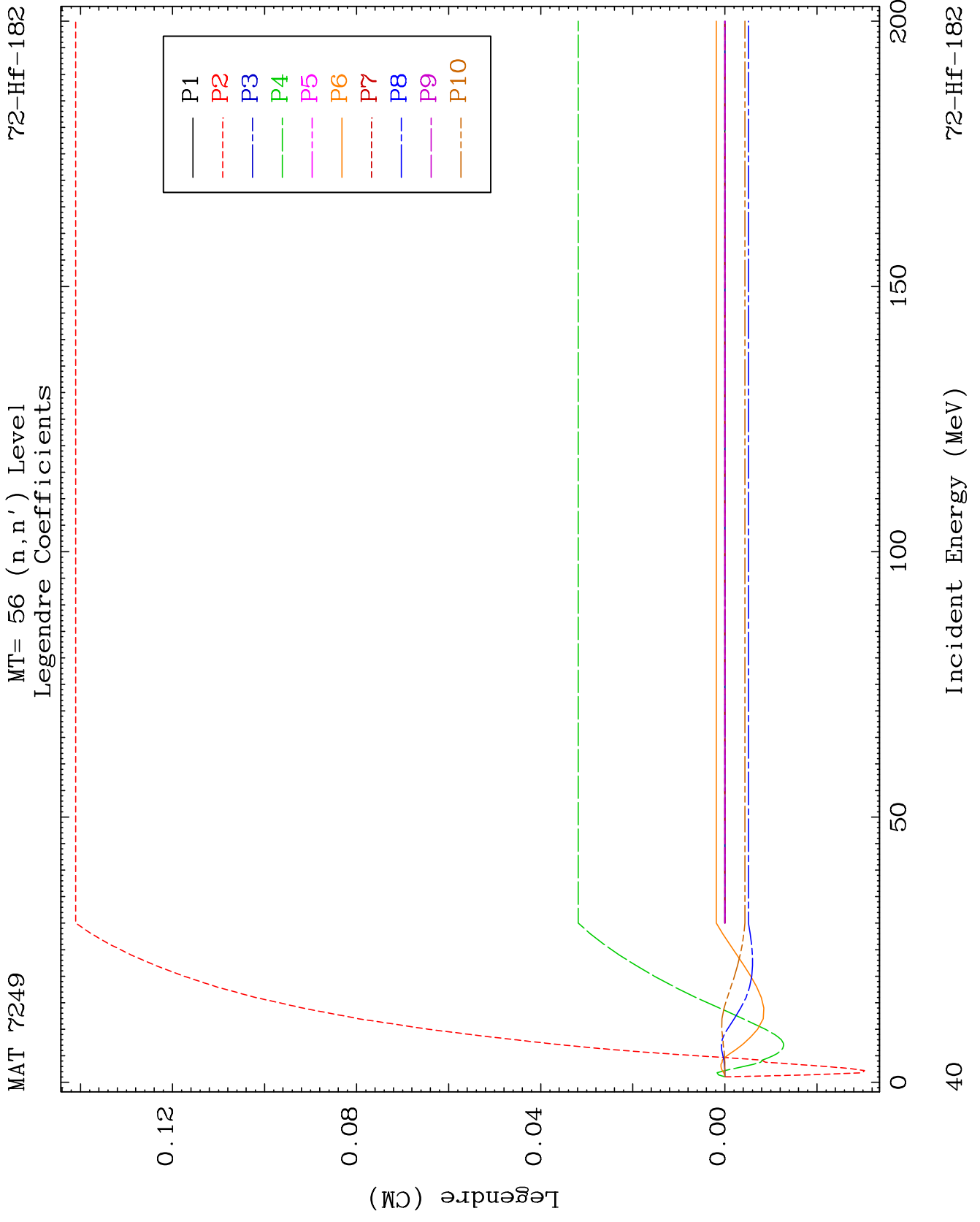
MAT 7249

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

72-Hf-182



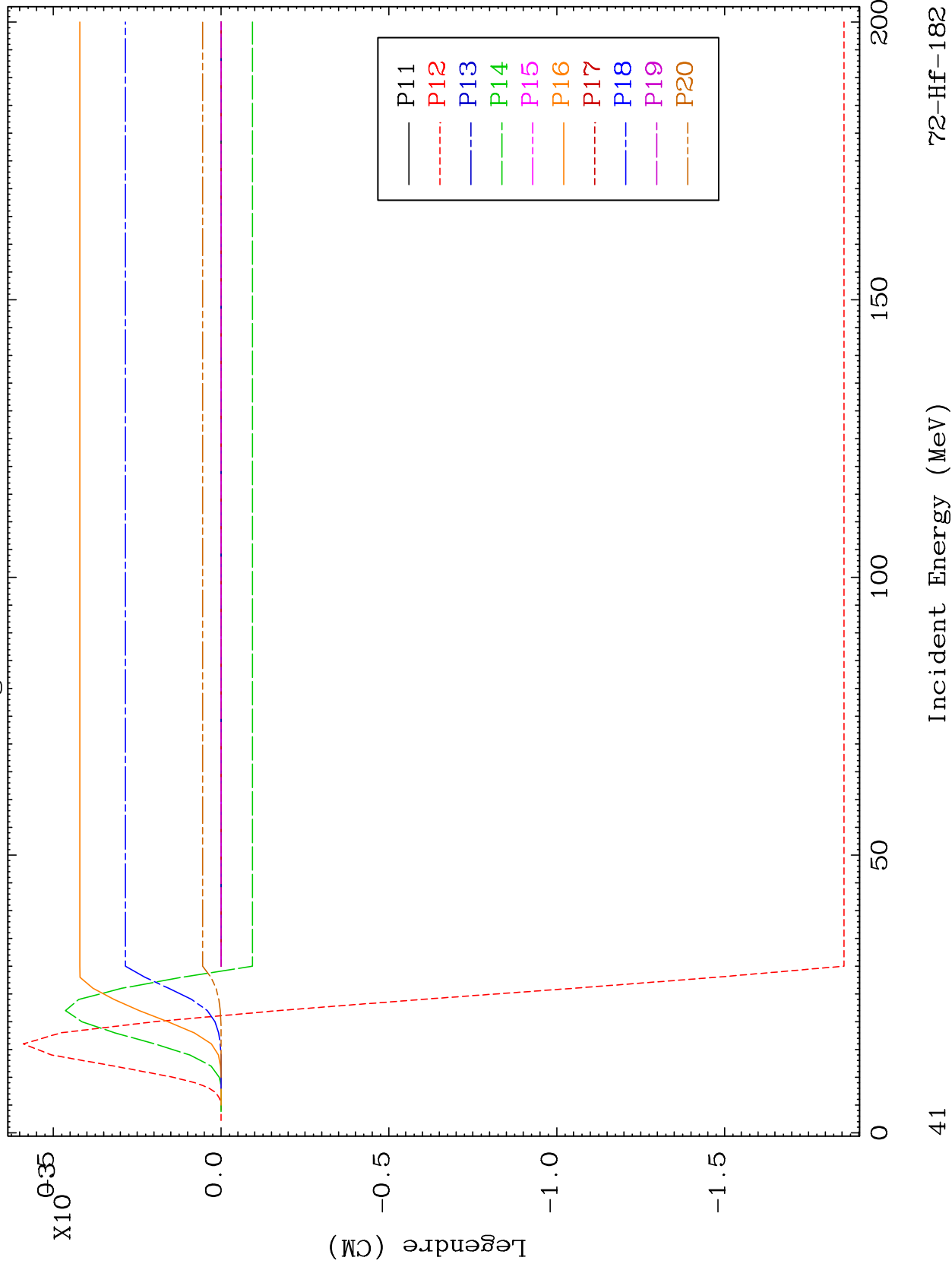




MAT 7249

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

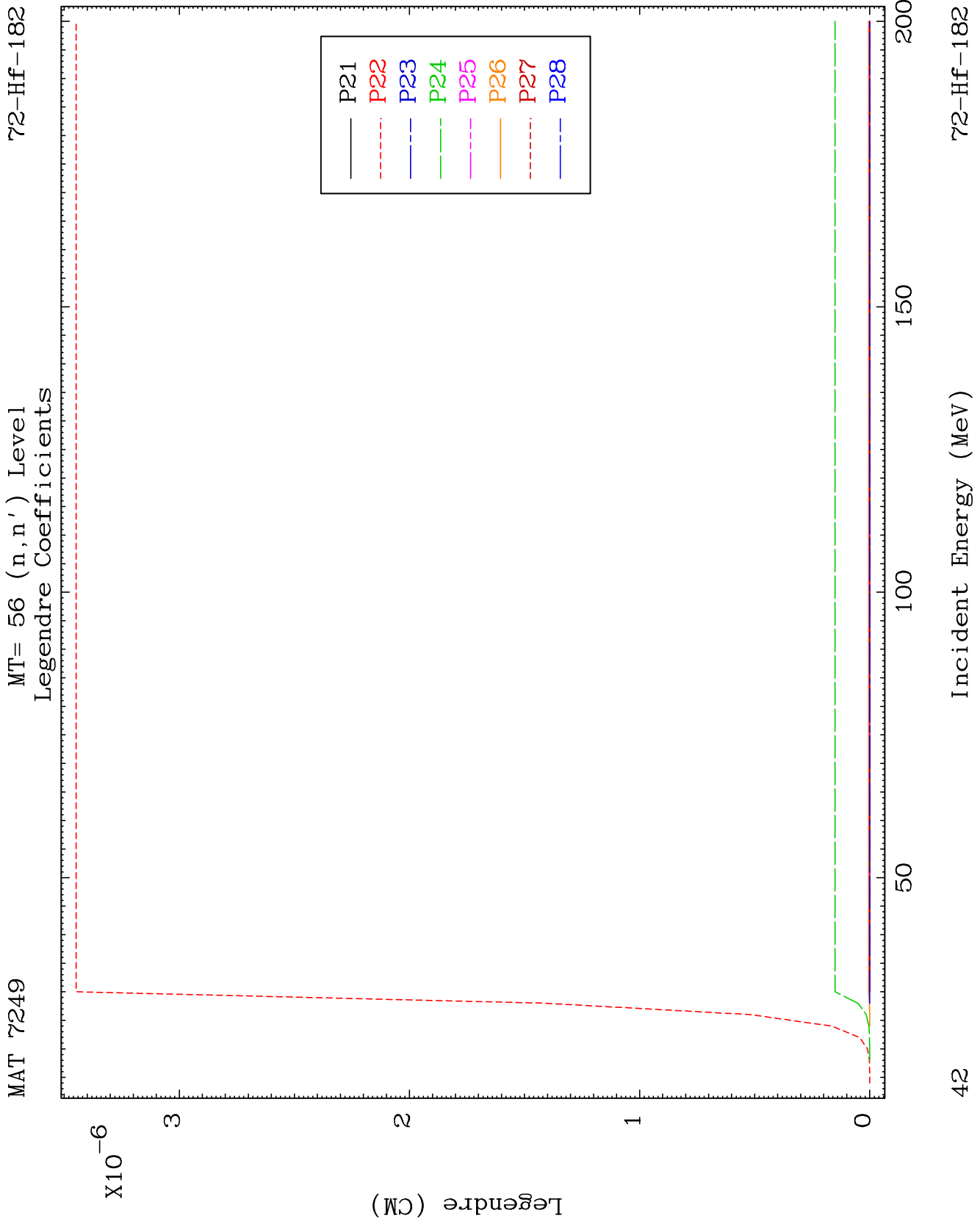
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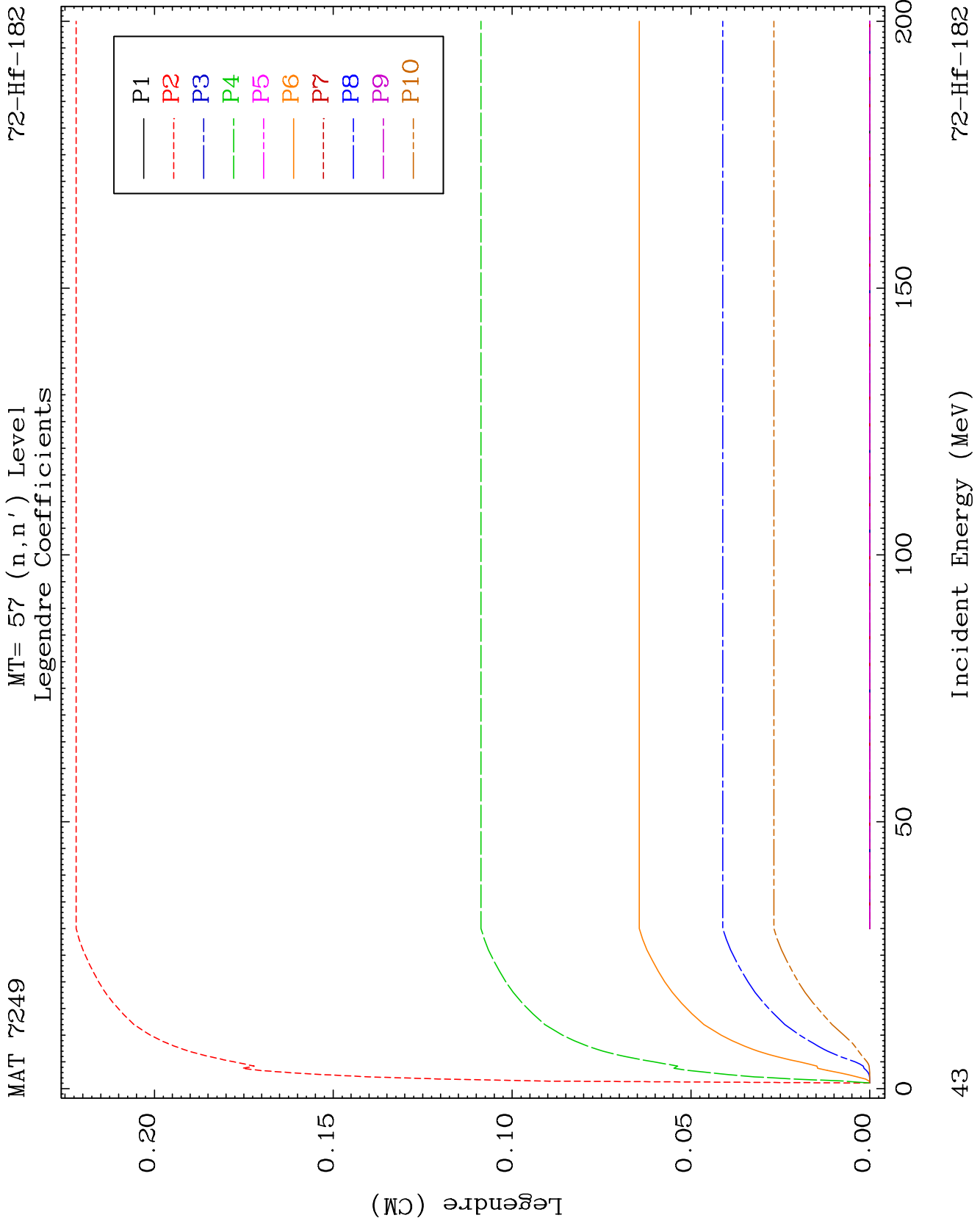


41

Incident Energy (MeV)

72-Hf-182

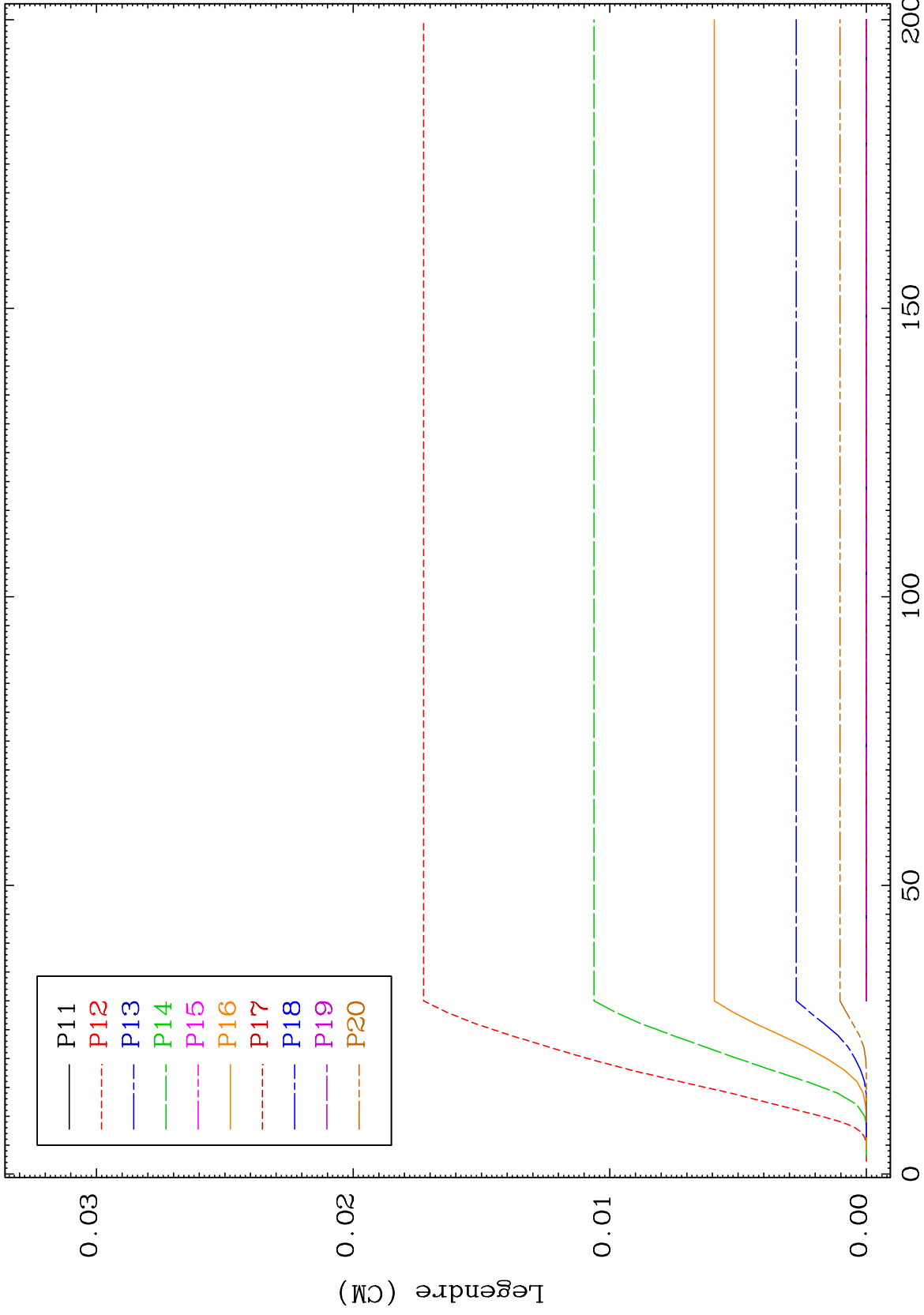




MAT 7249

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

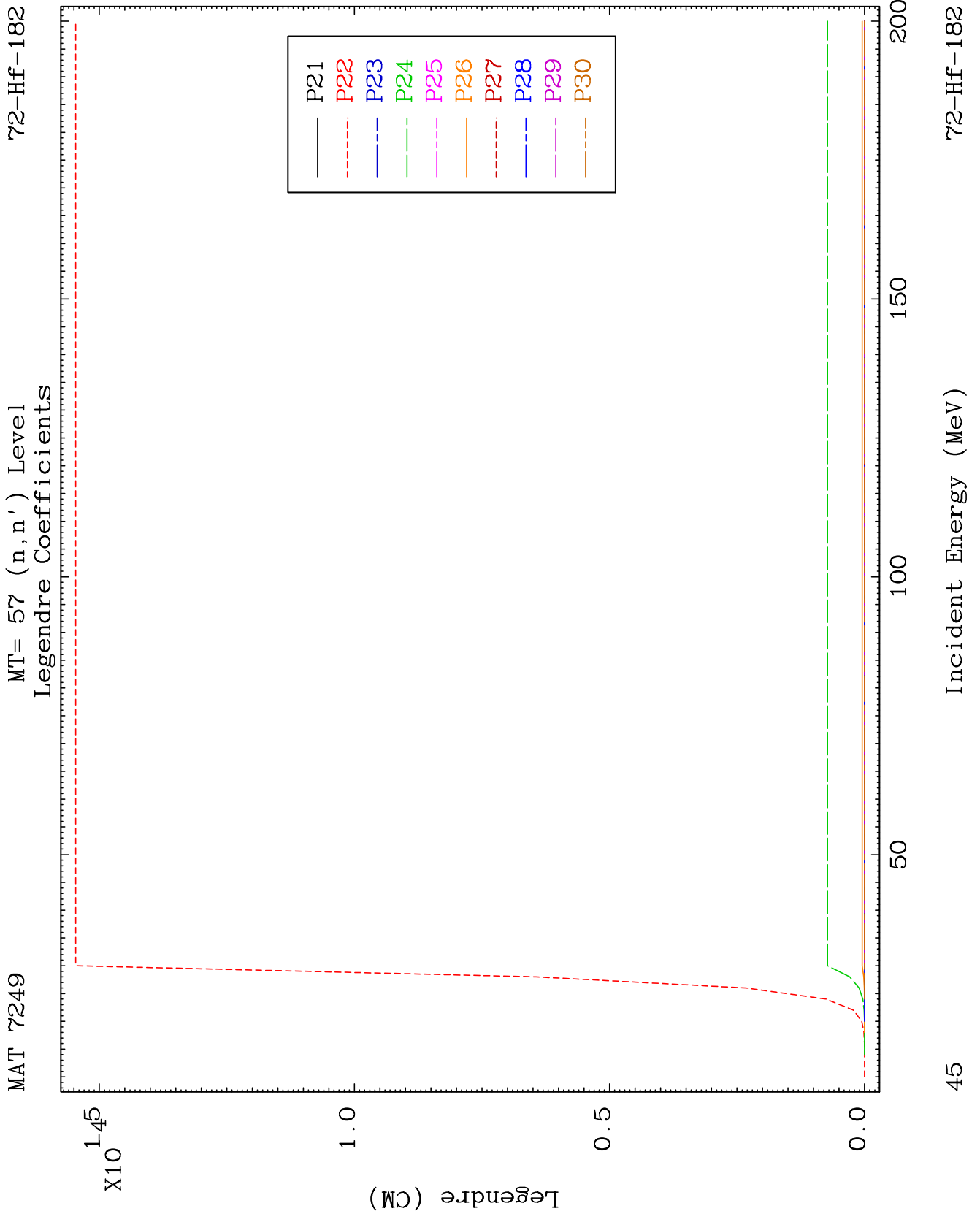
72-Hf-182



44

Incident Energy (MeV)

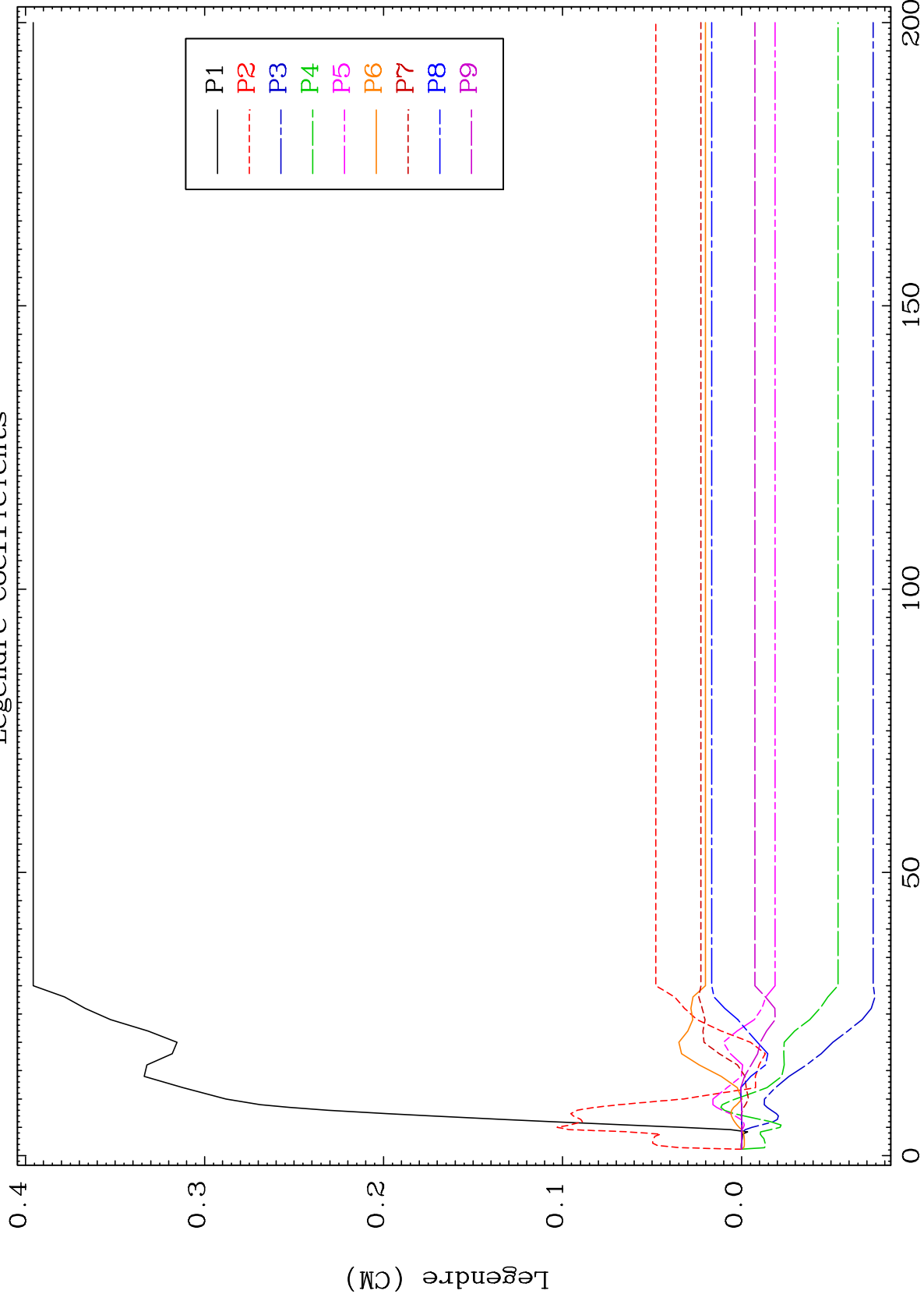
72-Hf-182



MAT 7249

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

72-Hf-182



46

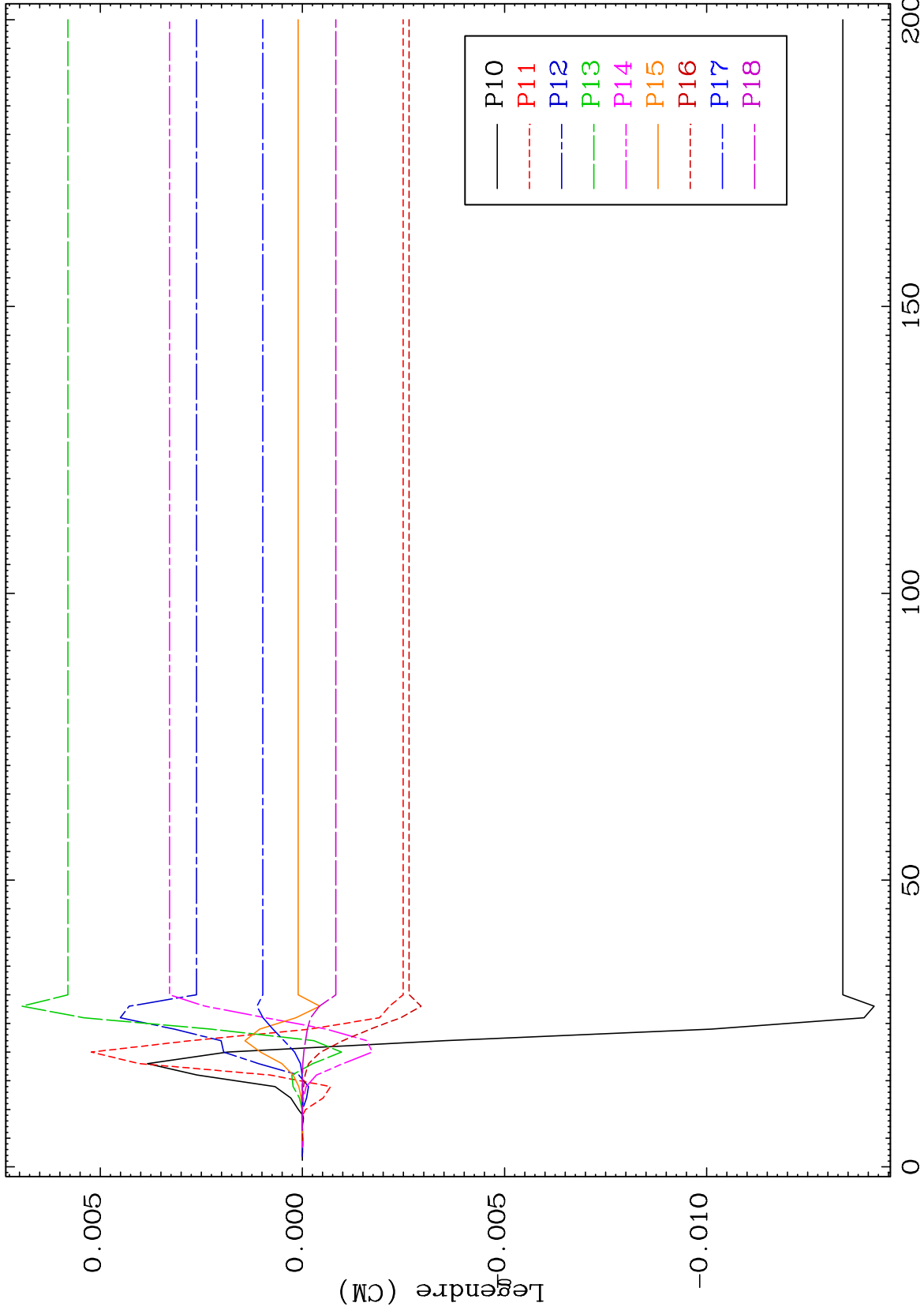
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

72-Hf-182



47

Incident Energy (MeV)

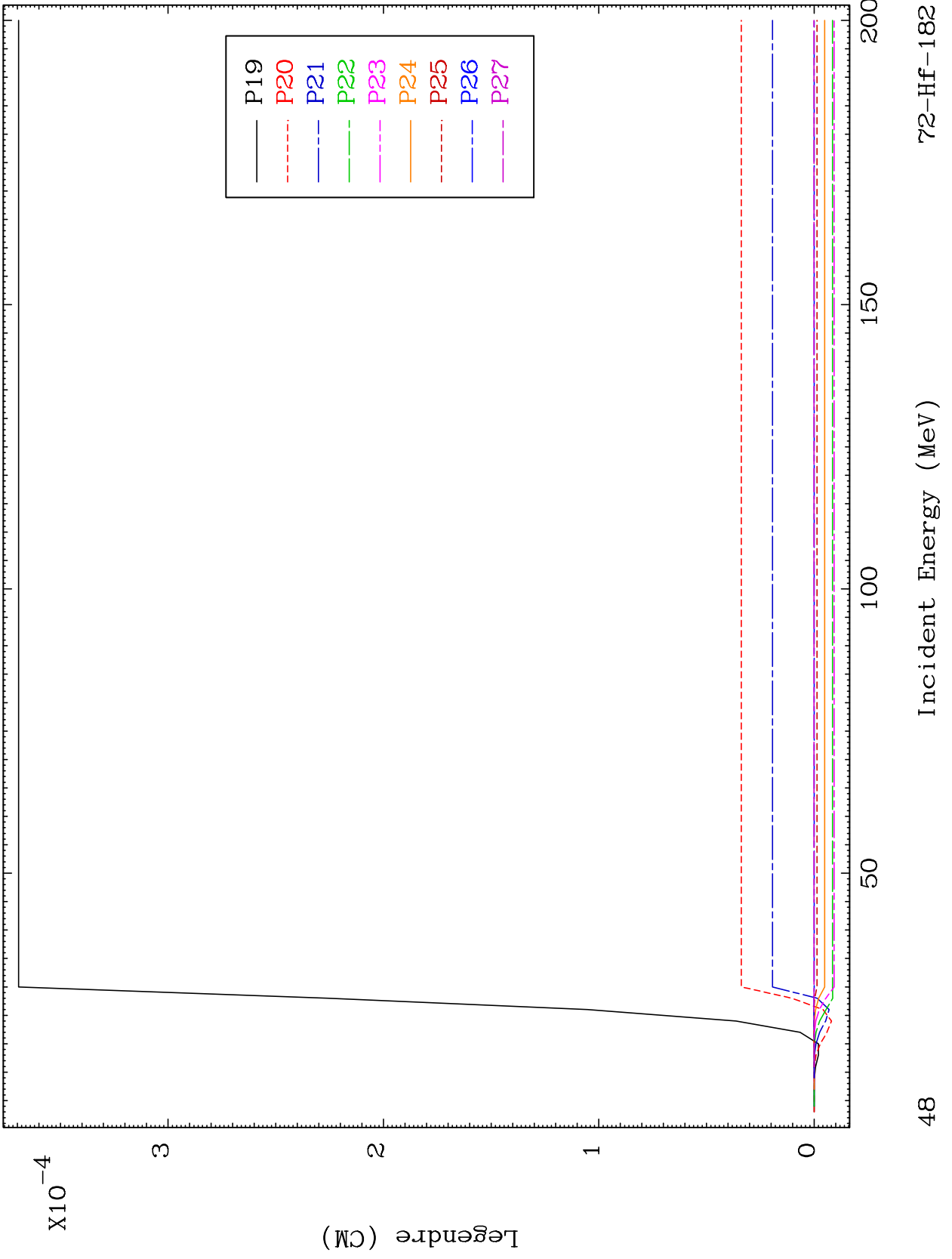
72-Hf-182



MAT 7249

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

72-Hf-182



48

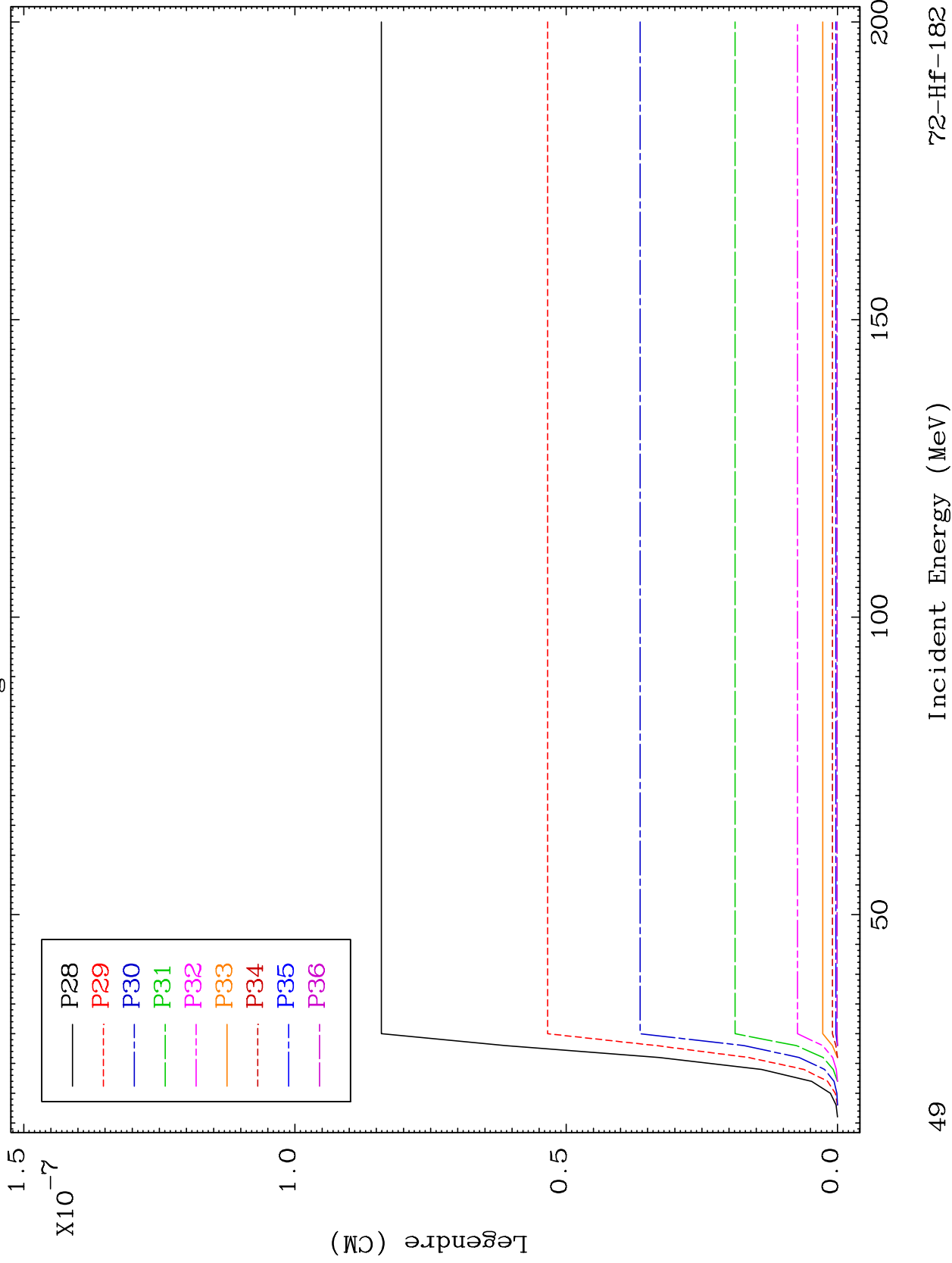
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

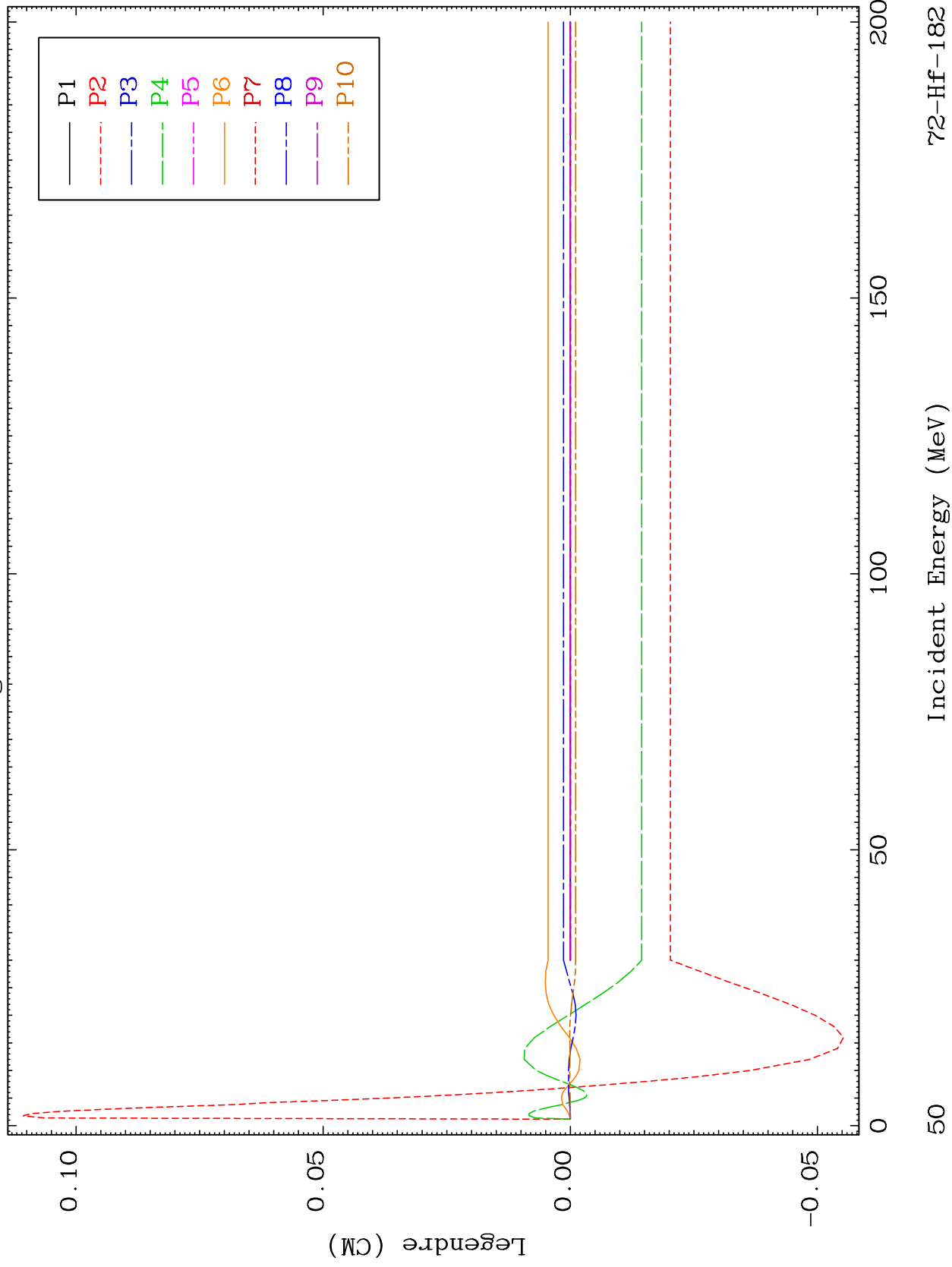
72-Hf-182



MAT 7249

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

72-Hf-182



72-Hf-182

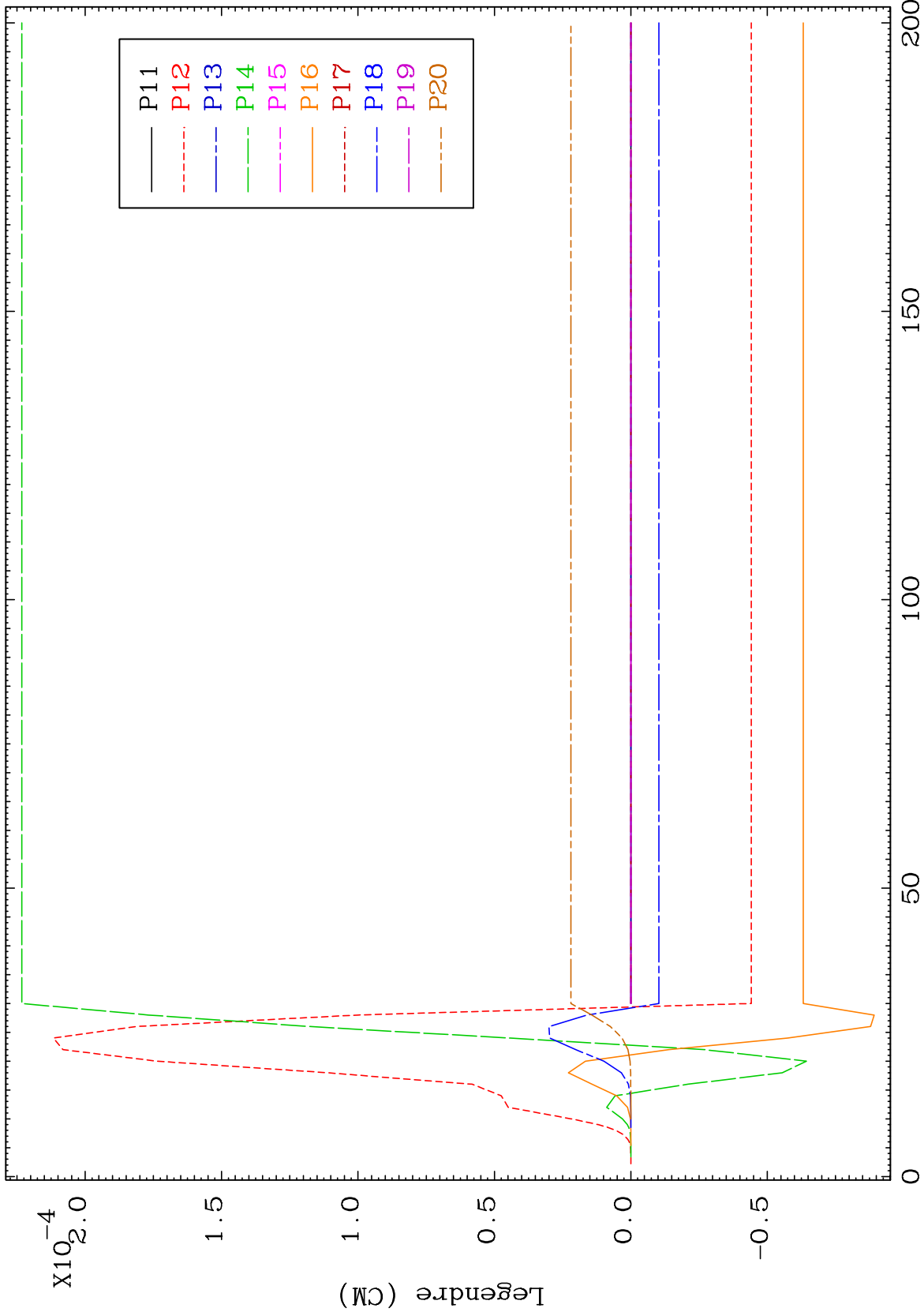
Incident Energy (MeV)

50

MAT 7249

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

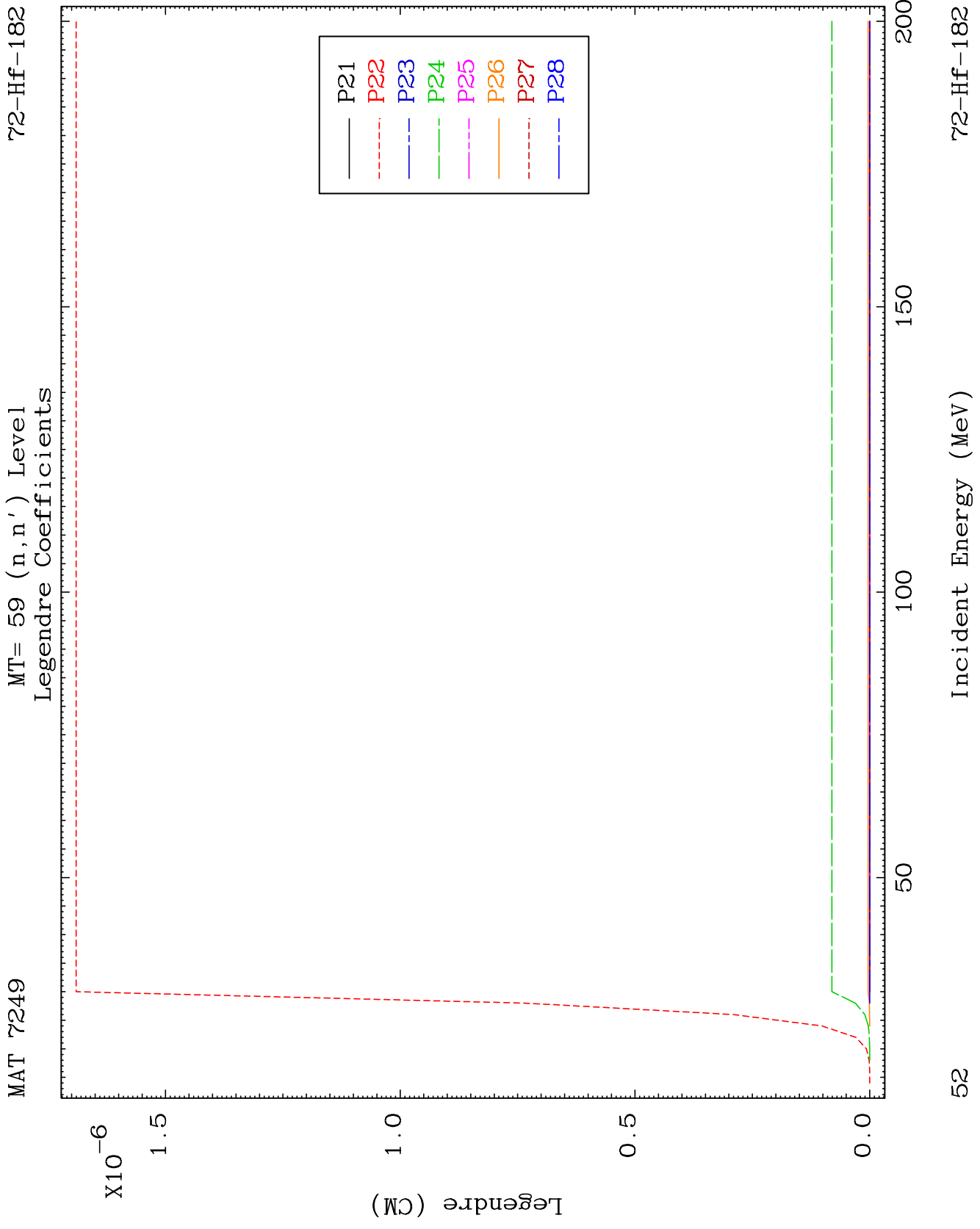
72-Hf-182

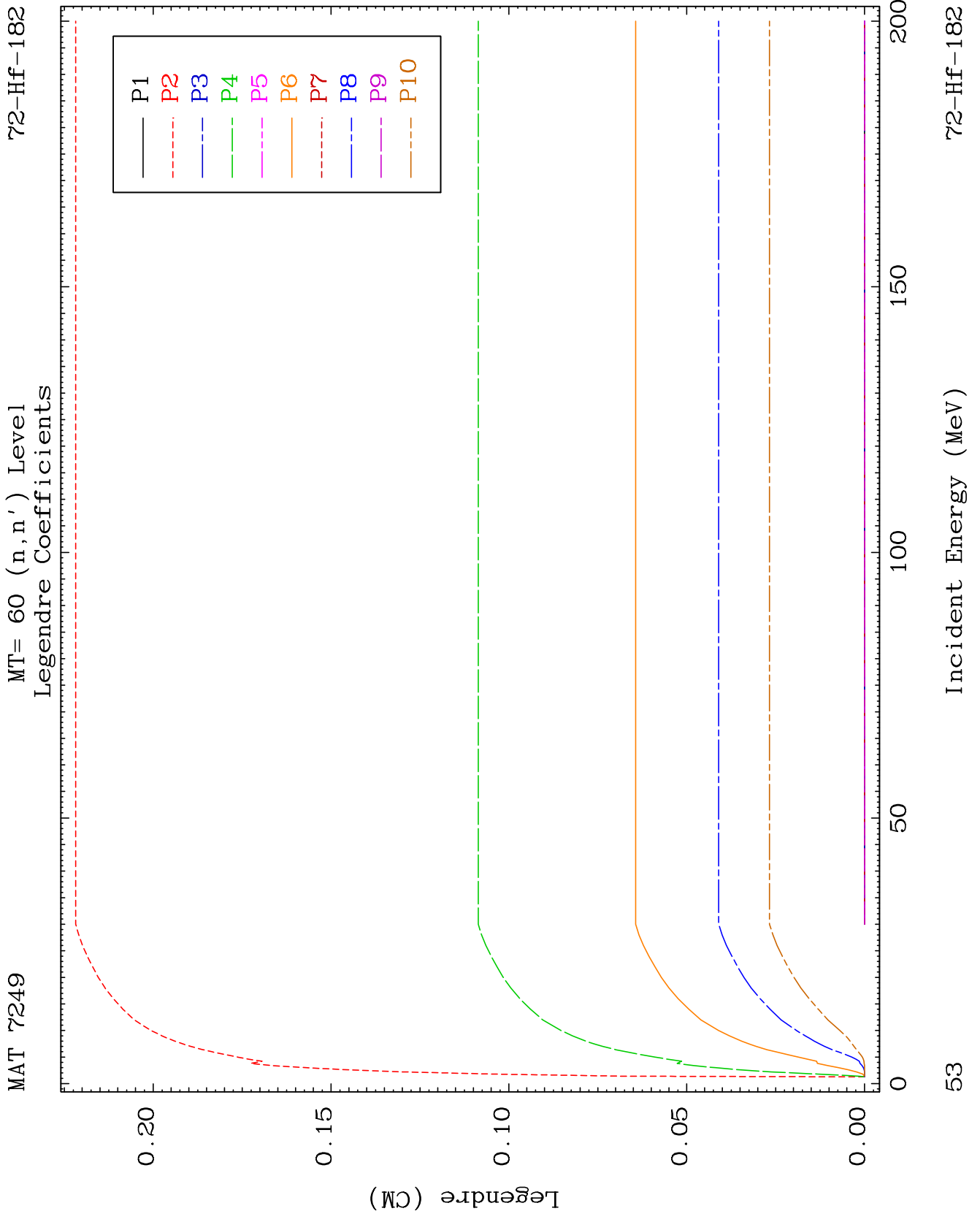


51

Incident Energy (MeV)

72-Hf-182

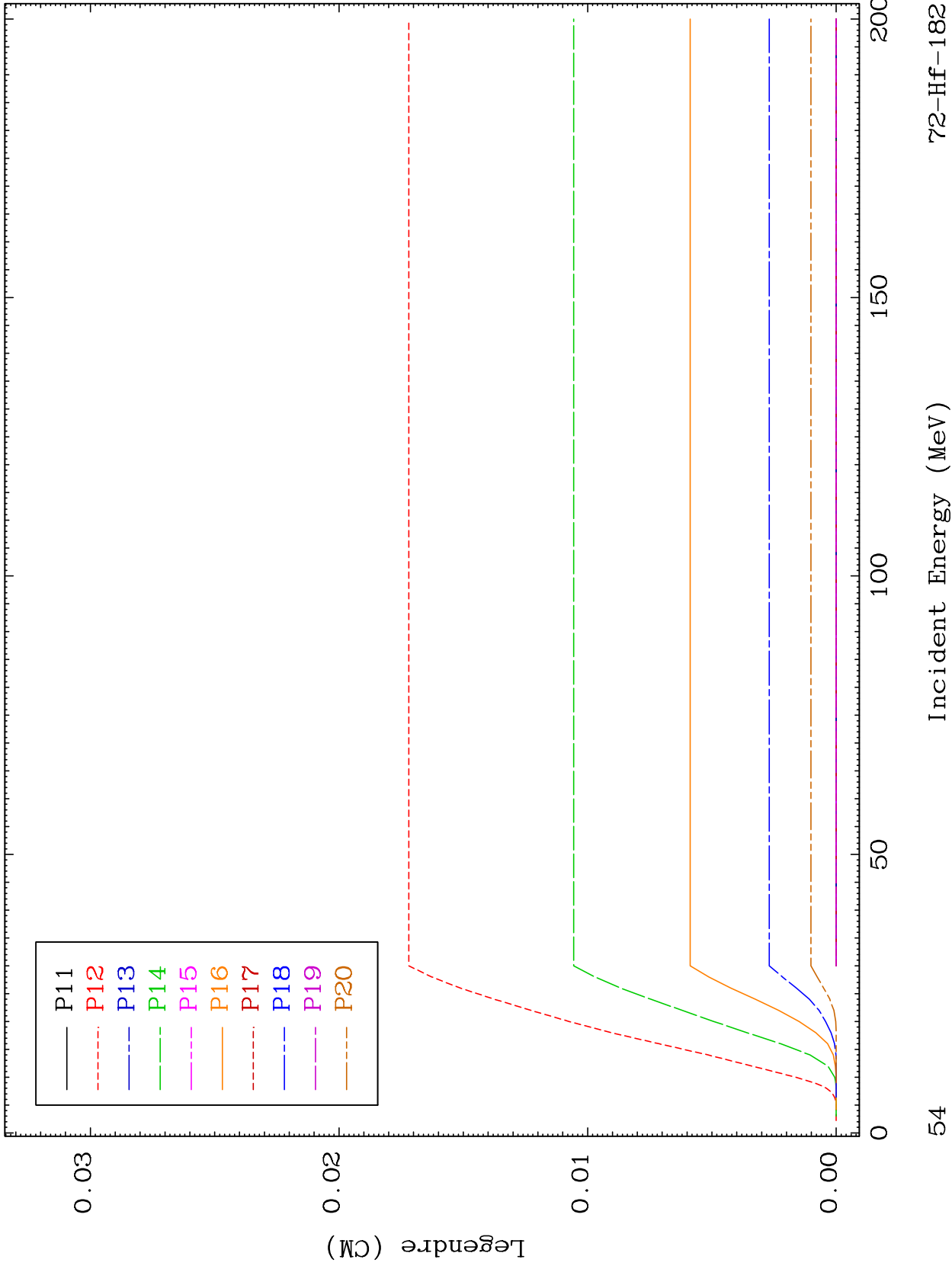




MAT 7249

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

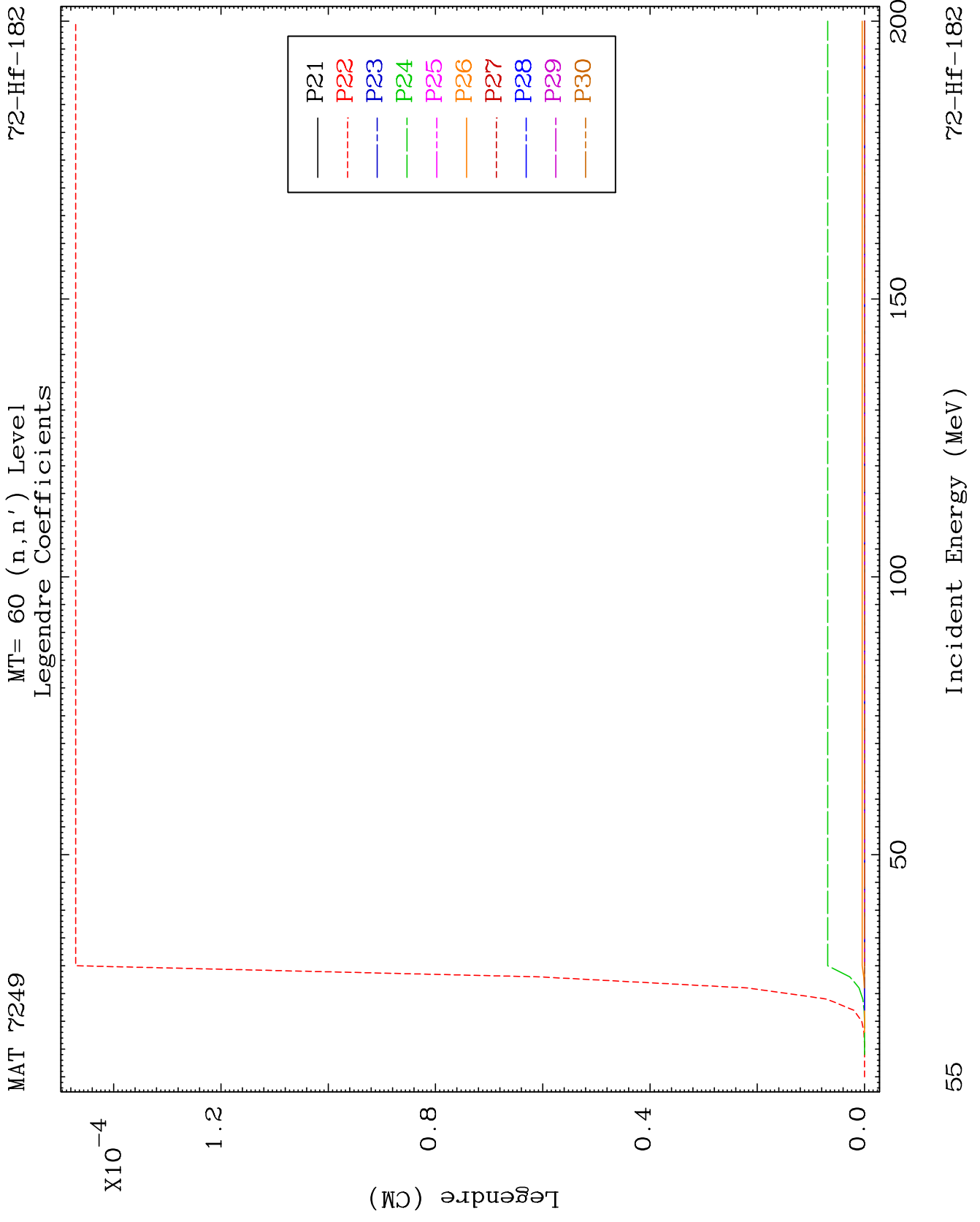
72-Hf-182



54

Incident Energy (MeV)

72-Hf-182

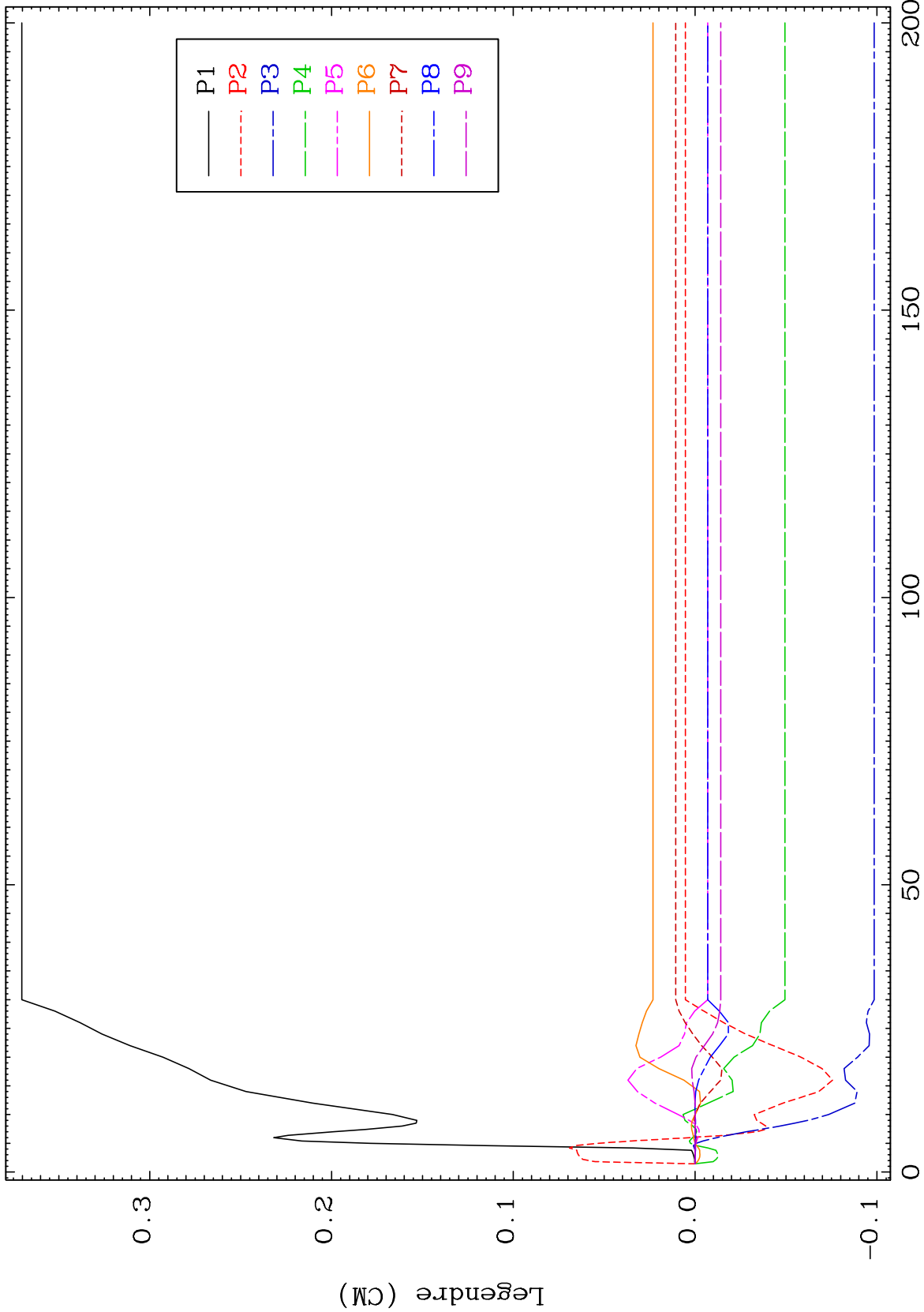




MAT 7249

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

72-Hf-182



56

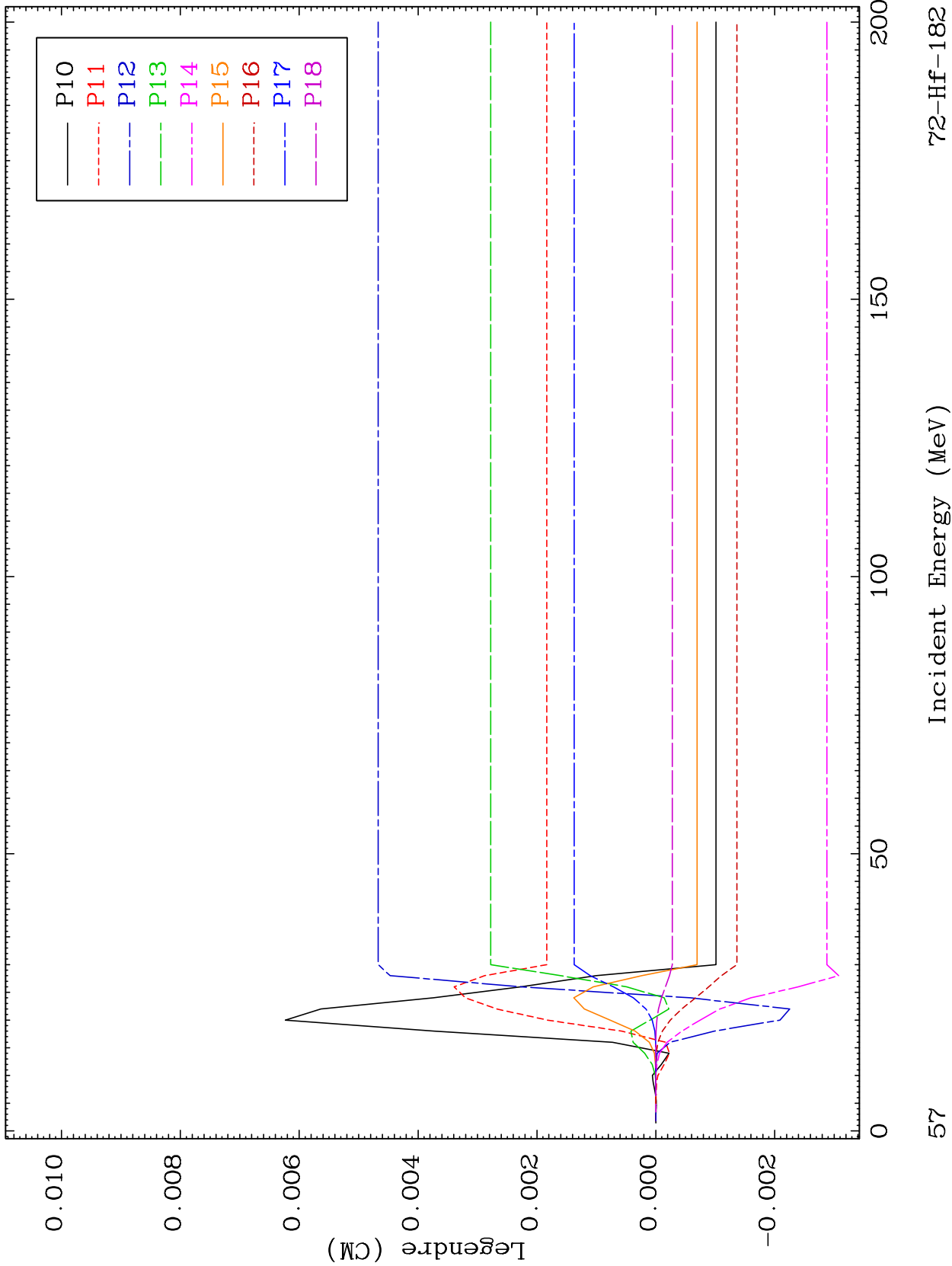
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

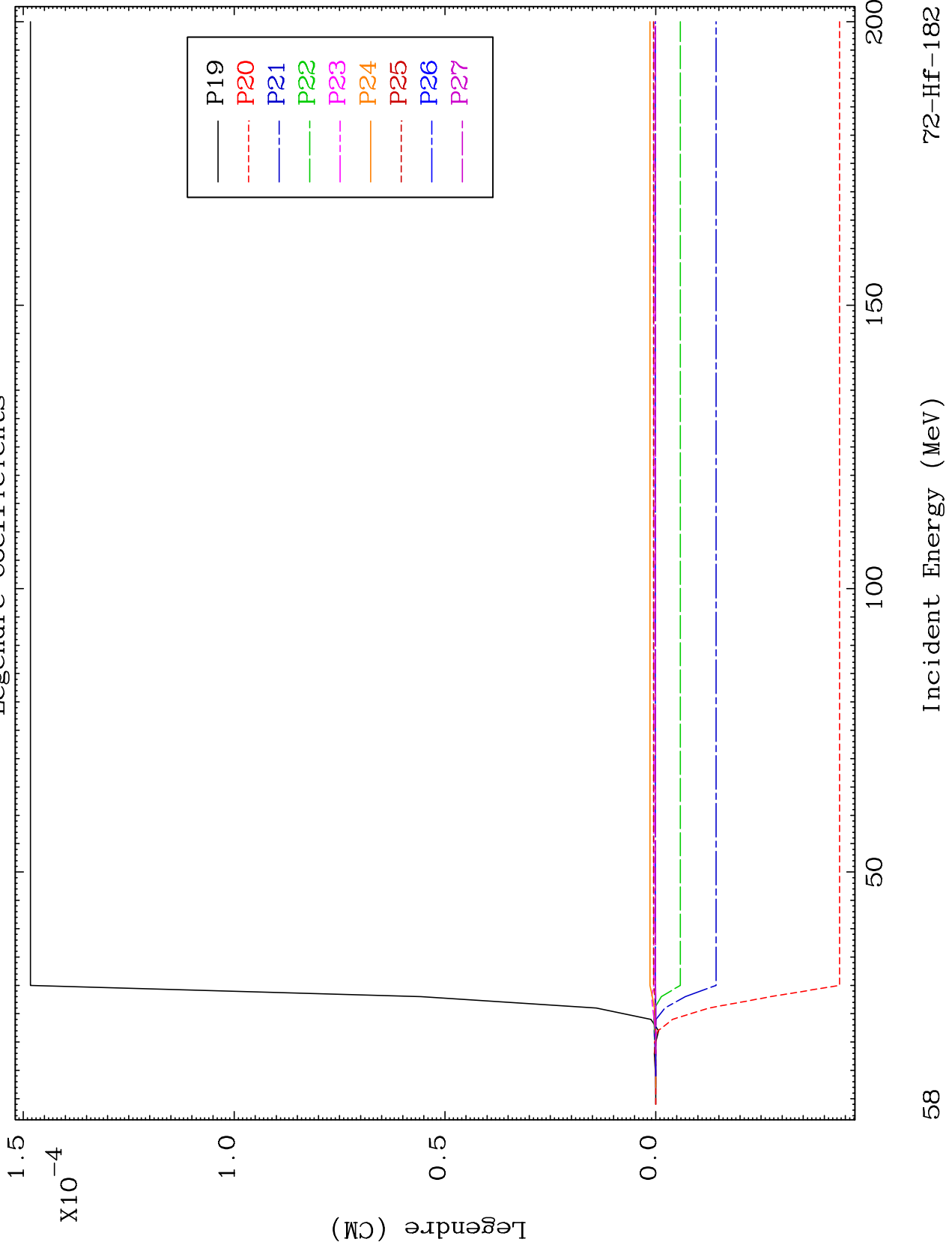
72-Hf-182



57

Incident Energy (MeV)

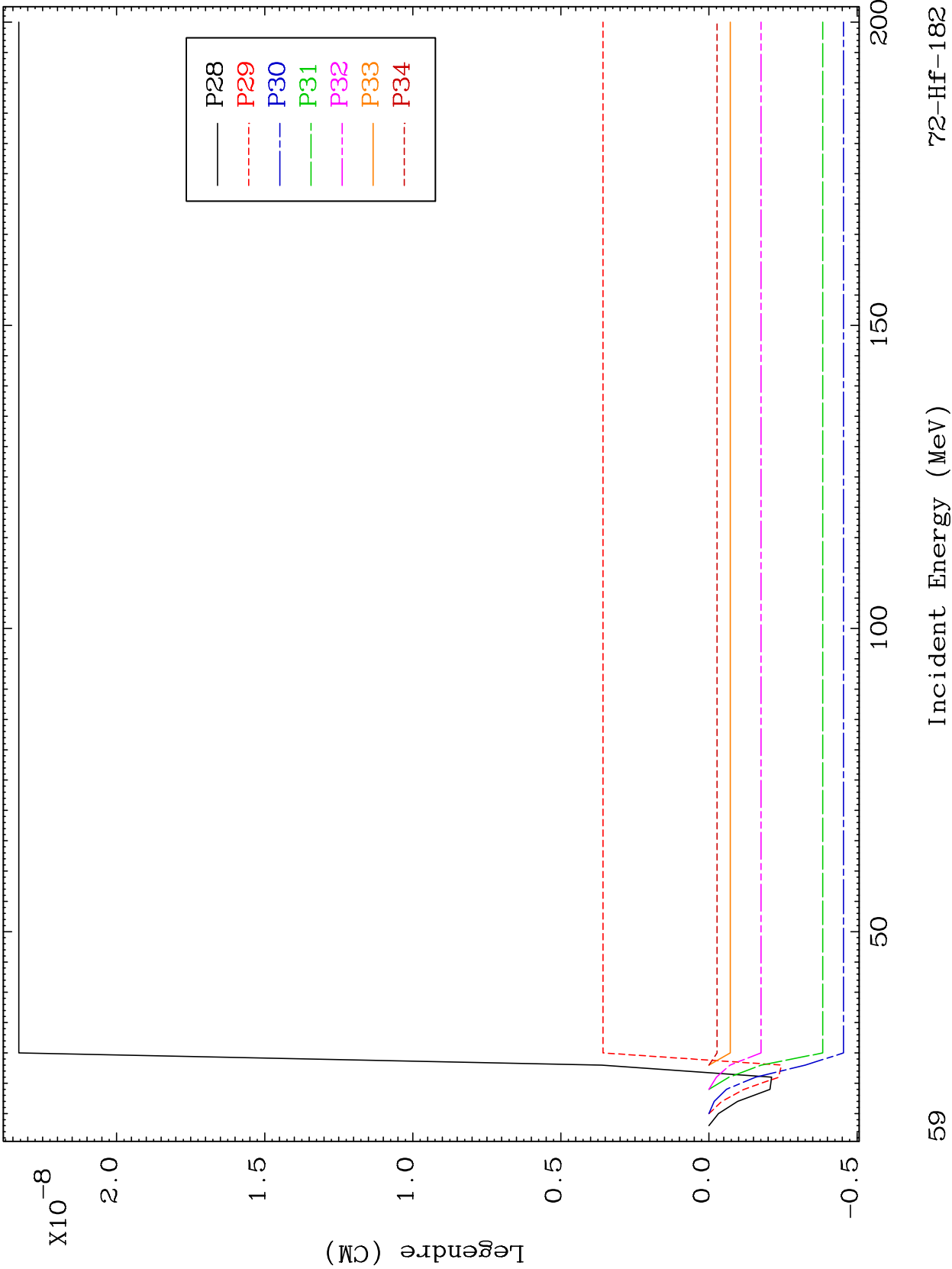
72-Hf-182



MAT 7249

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

72-Hf-182



59

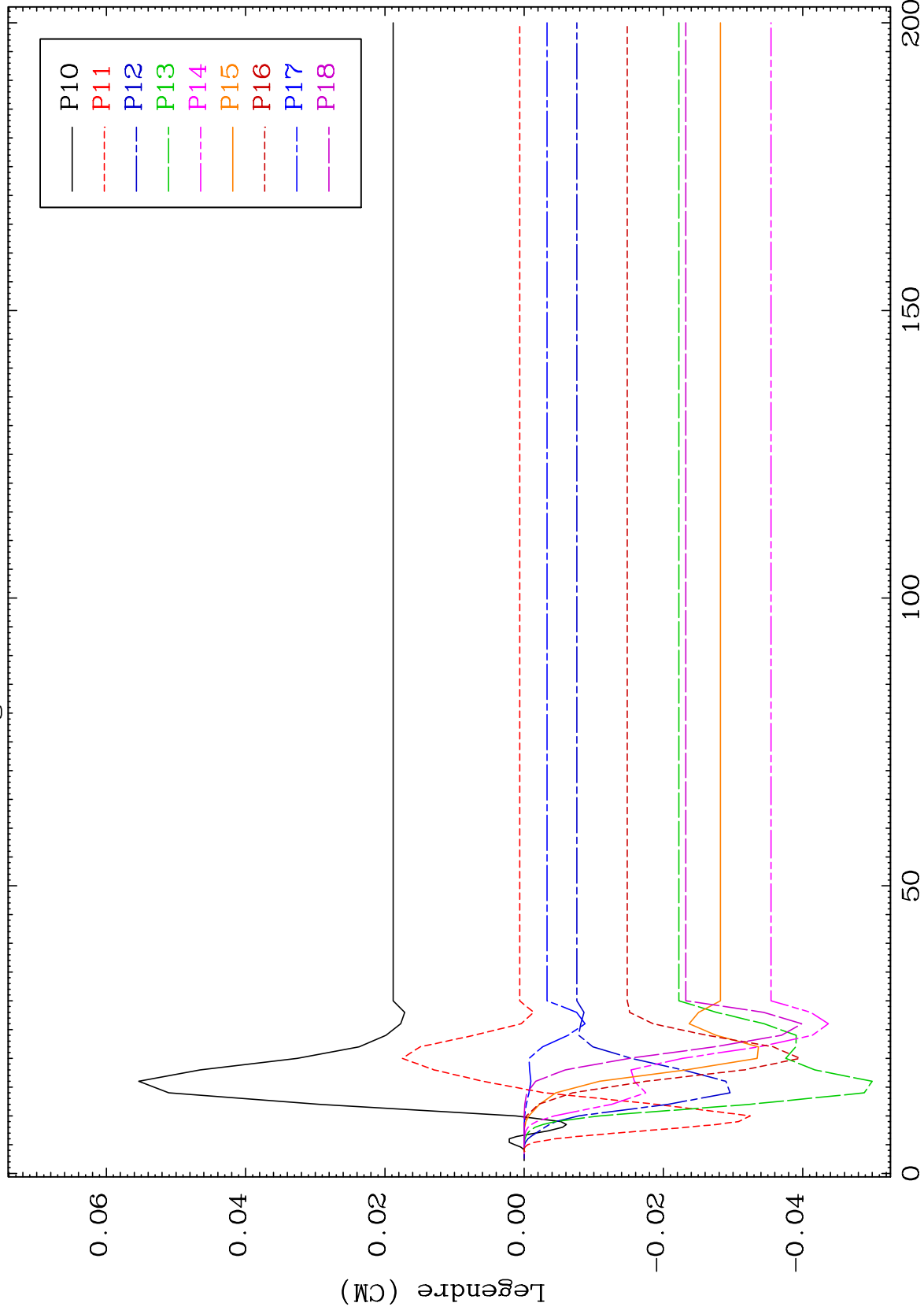
72-Hf-182



MAT 7249

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

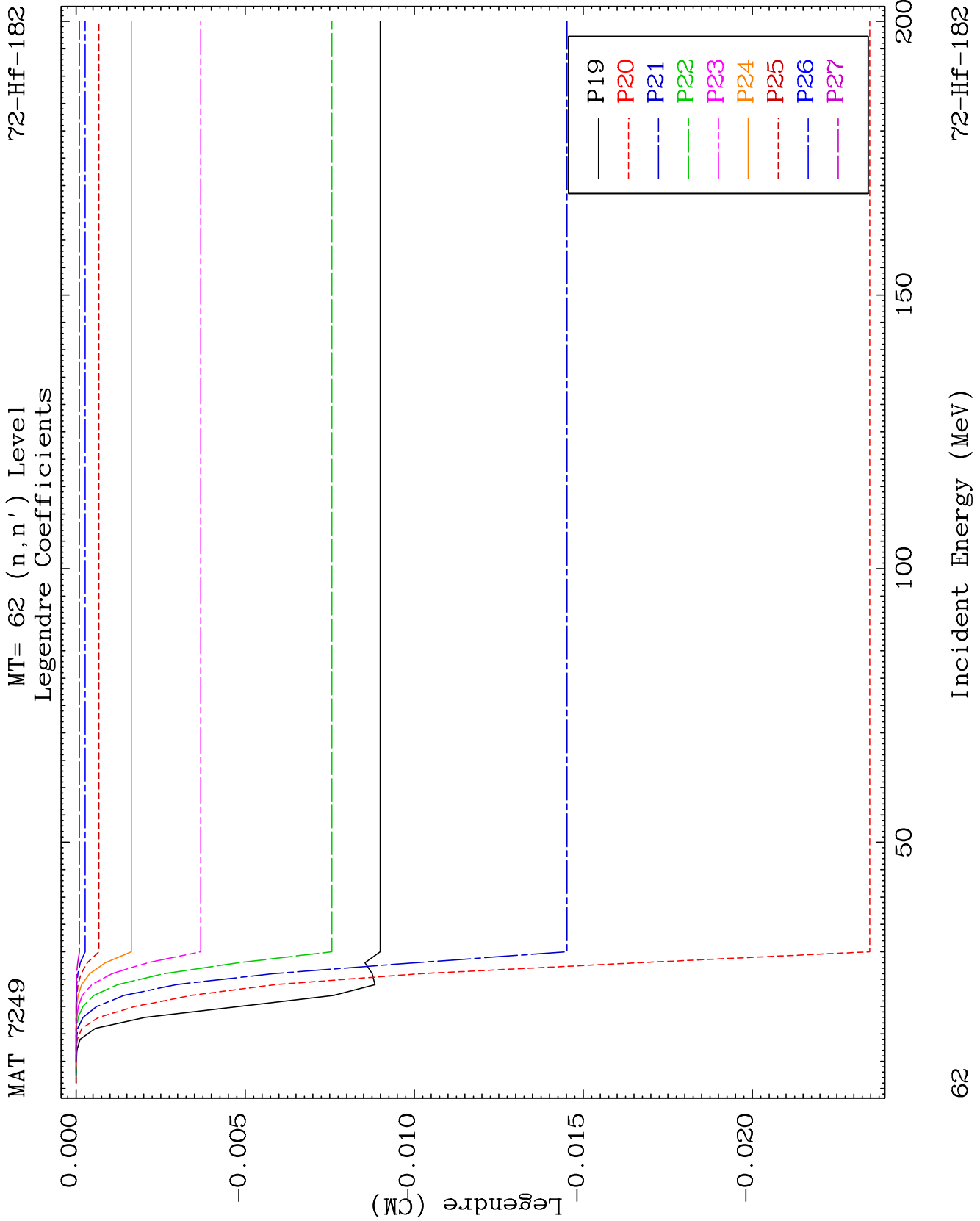
72-Hf-182

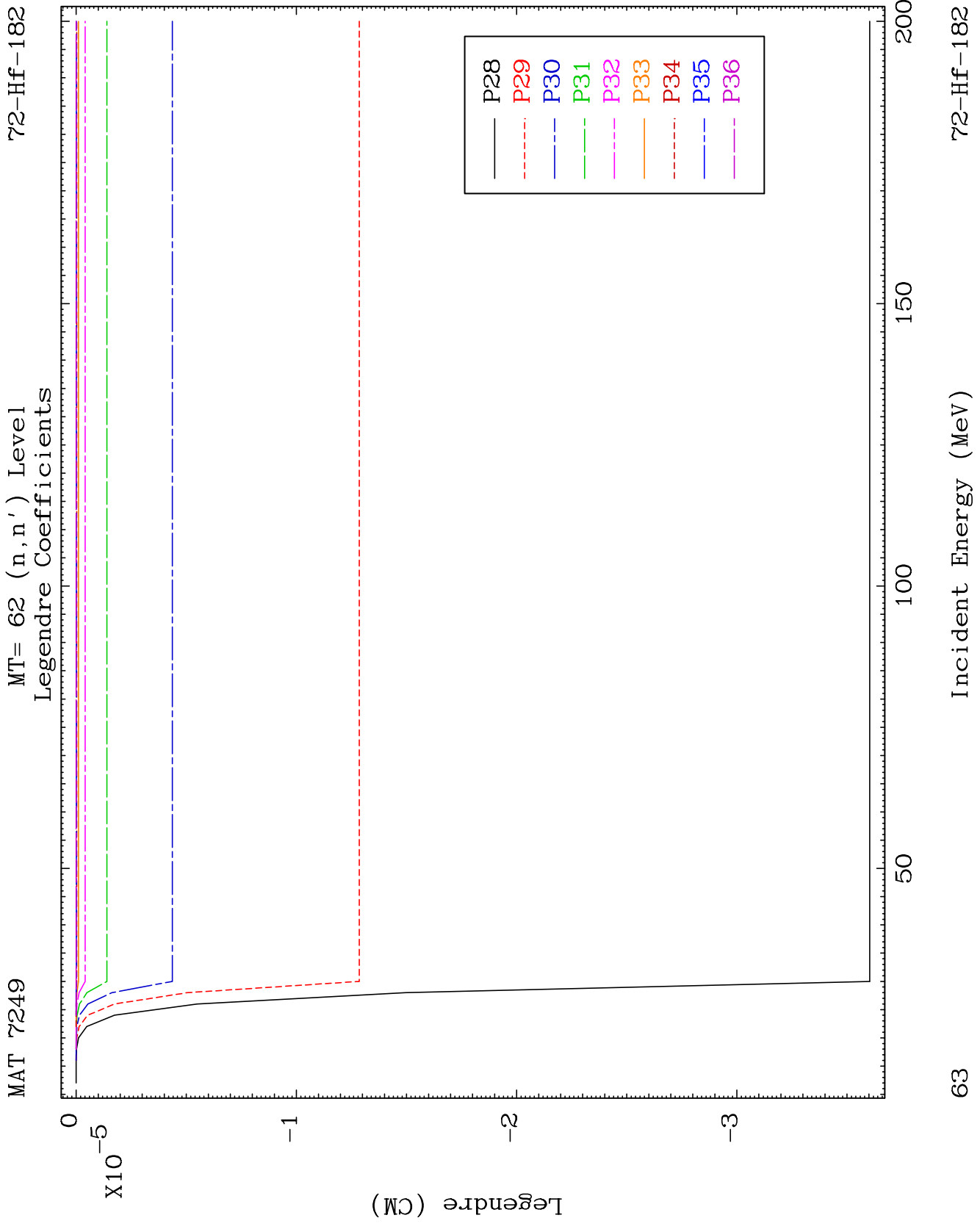


61

Incident Energy (MeV)

72-Hf-182



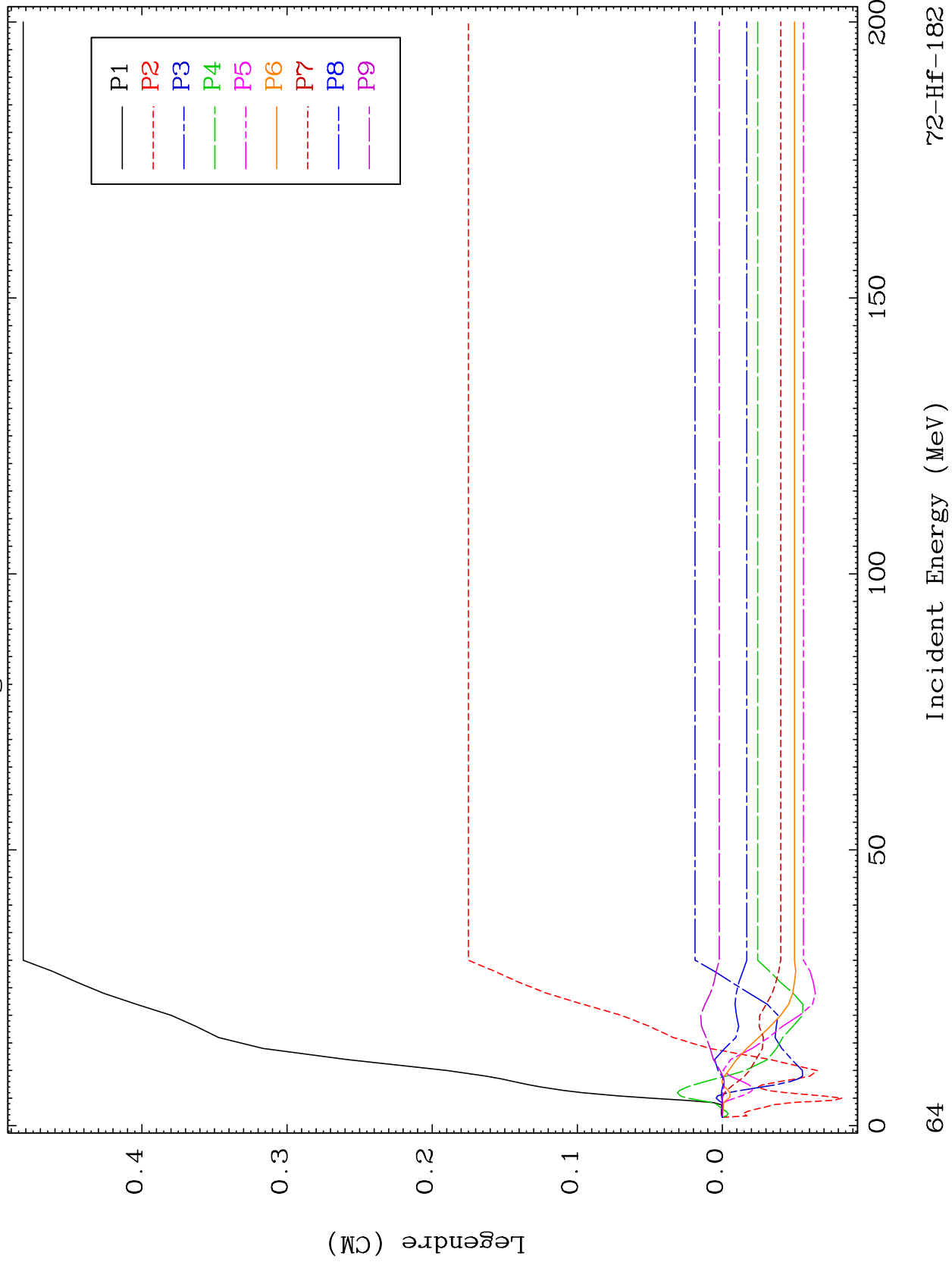




MAT 7249

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

72-Hf-182



72-Hf-182

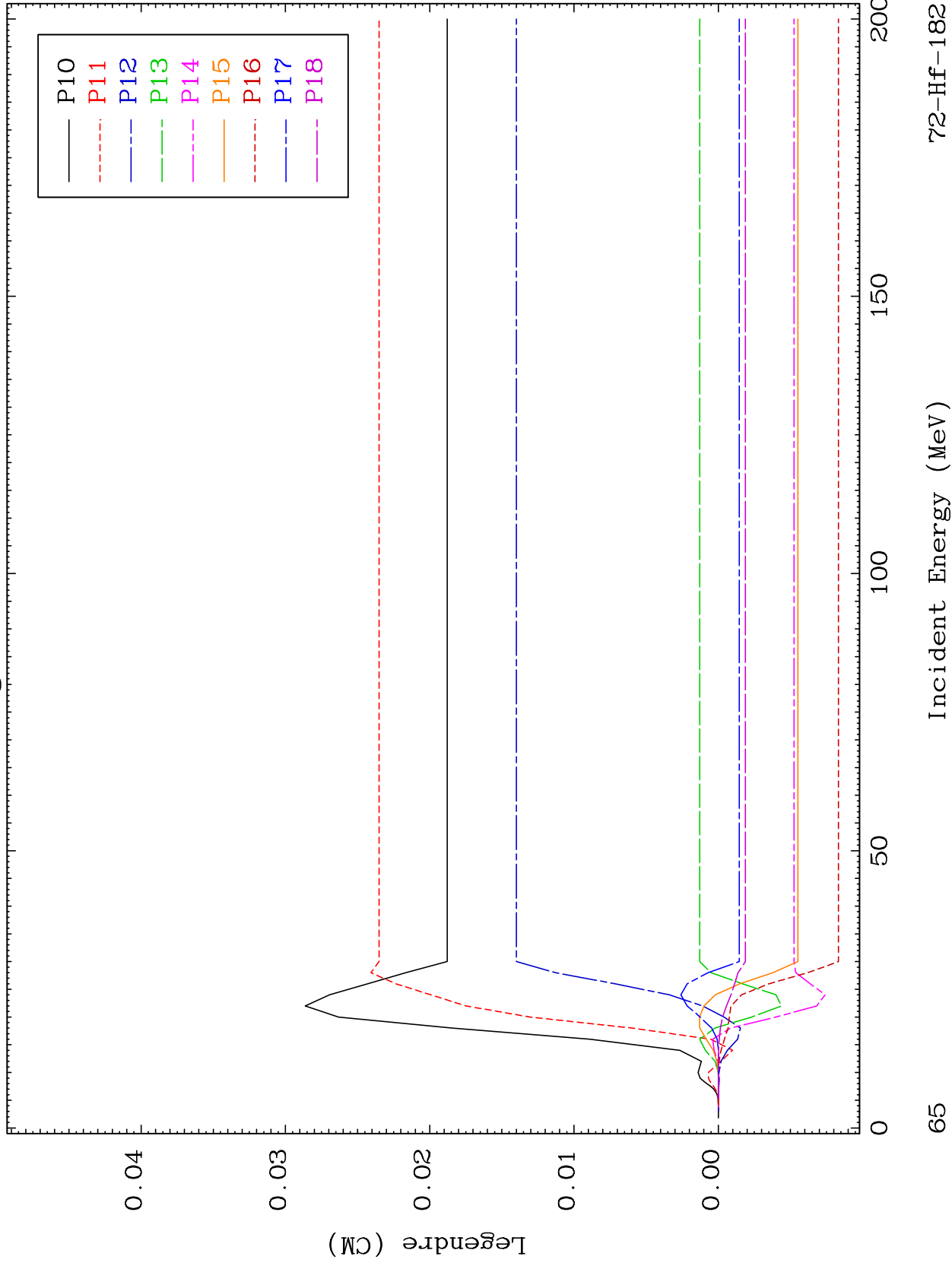
Incident Energy (MeV)

64

MAT 7249

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

72-Hf-182



72-Hf-182

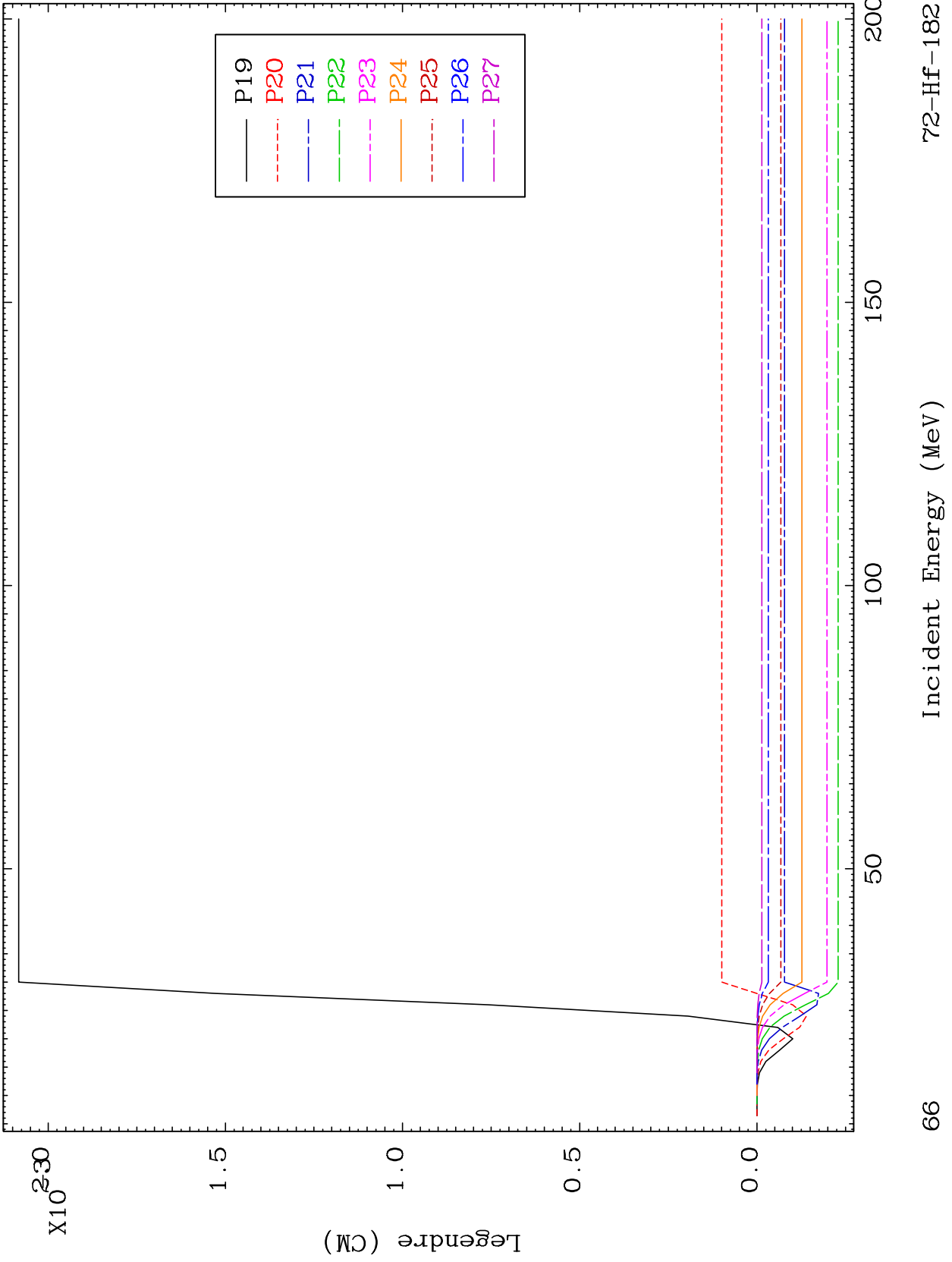
Incident Energy (MeV)

65

MAT 7249

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

72-Hf-182

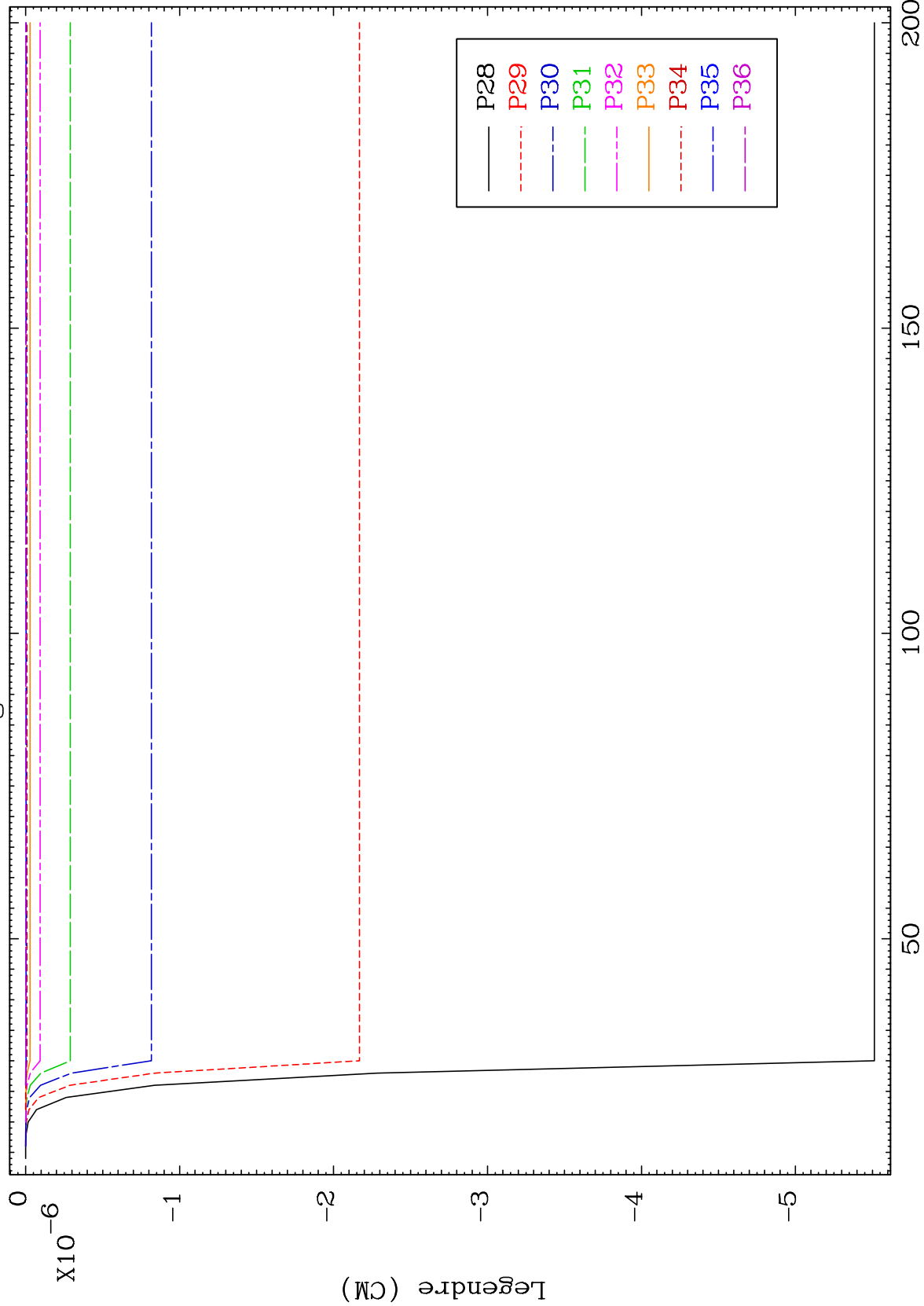


MAT 7249

MT= 63 (n,n') Level

72-Hf-182

Legendre Coefficients



72-Hf-182

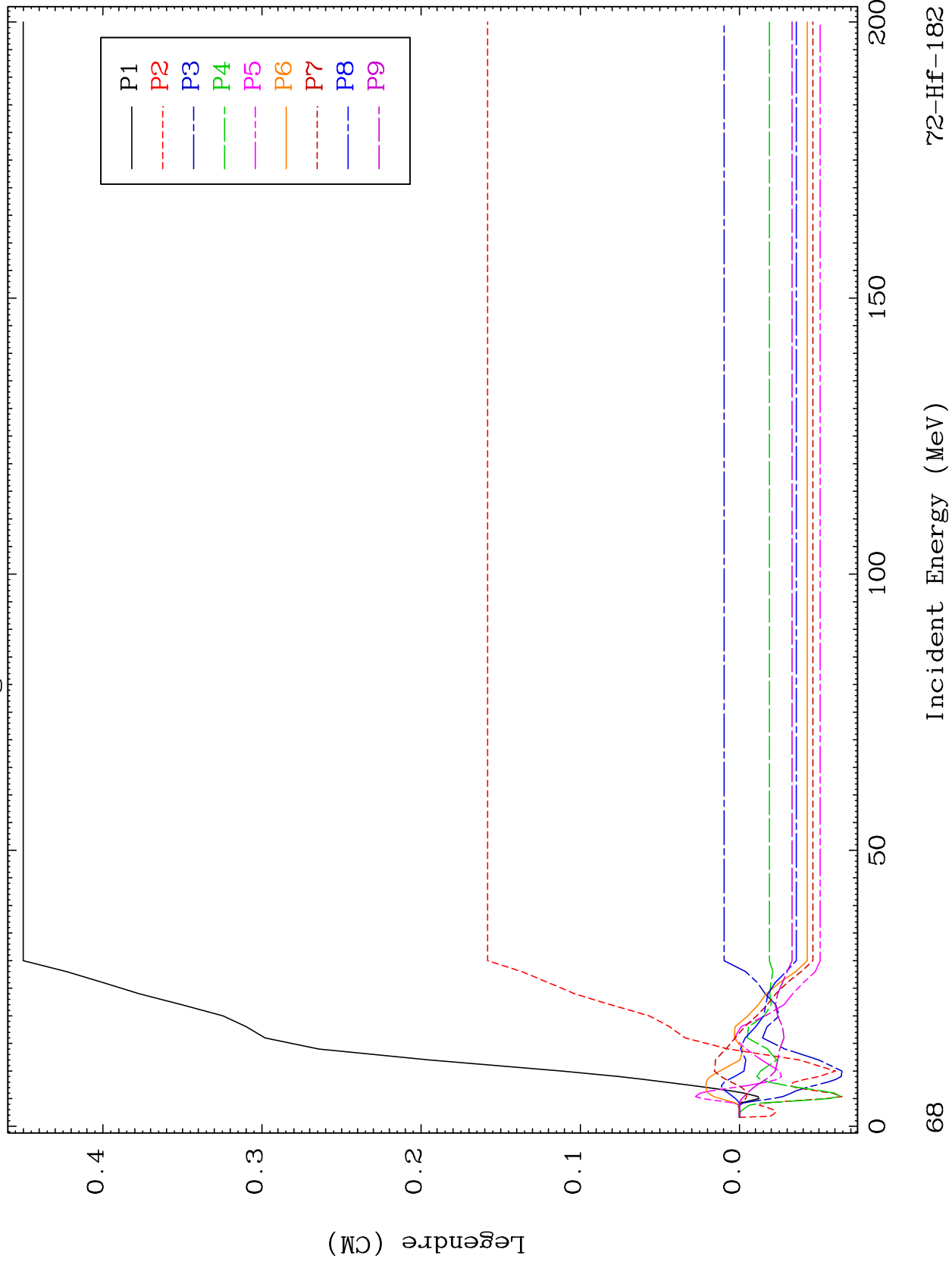
Incident Energy (MeV)

67

MAT 7249

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

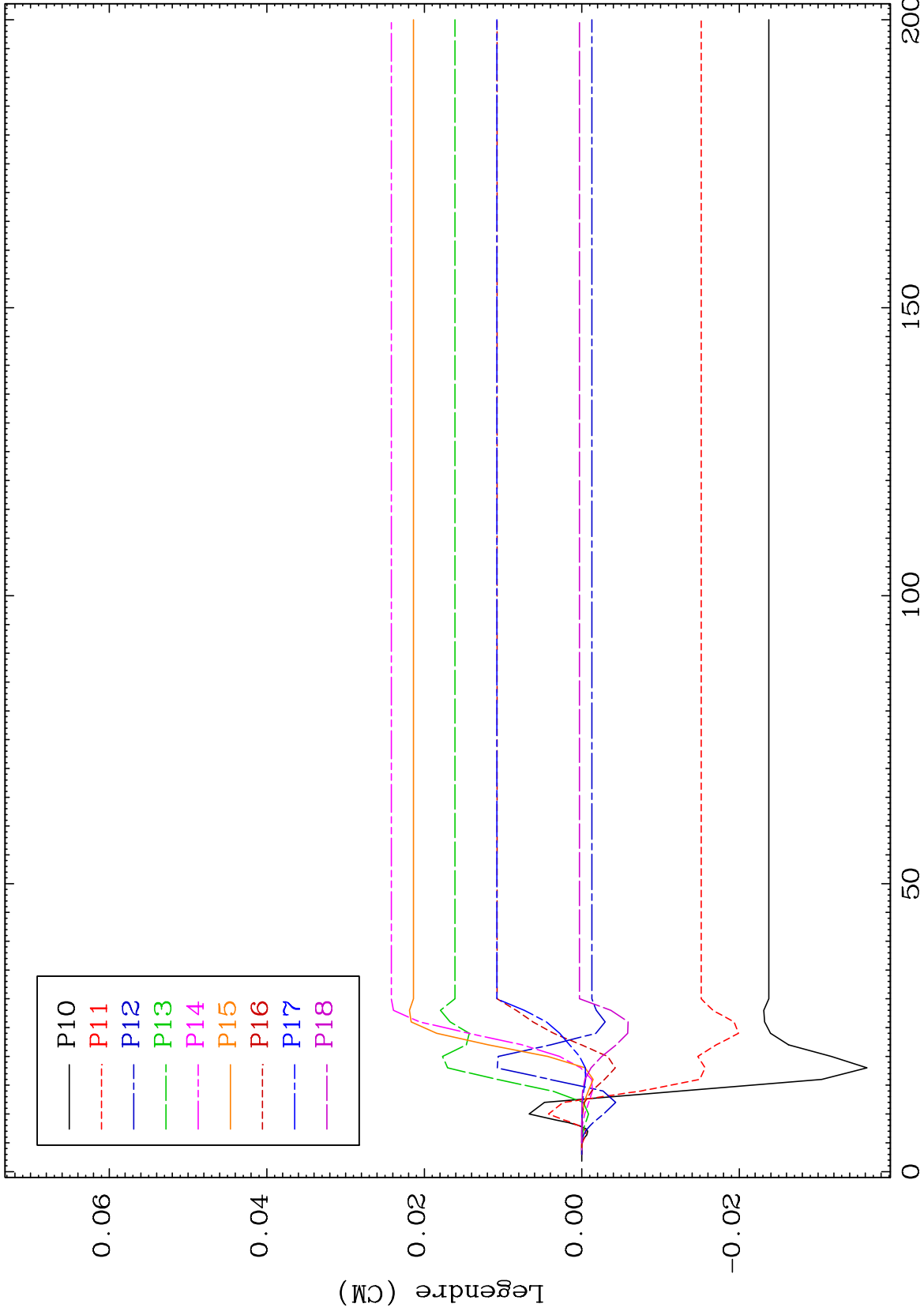
72-Hf-182



MAT 7249

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

72-Hf-182



69

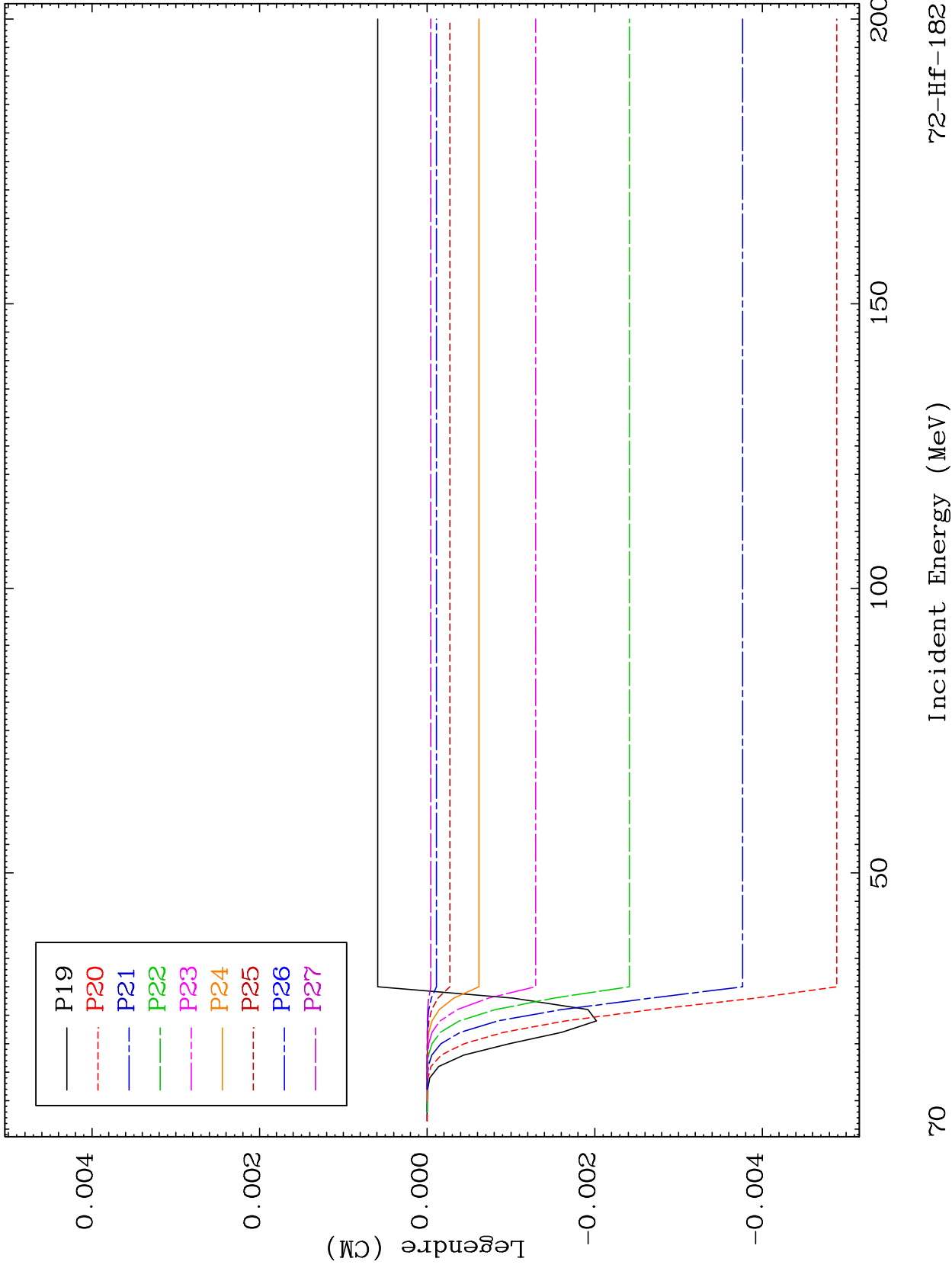
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

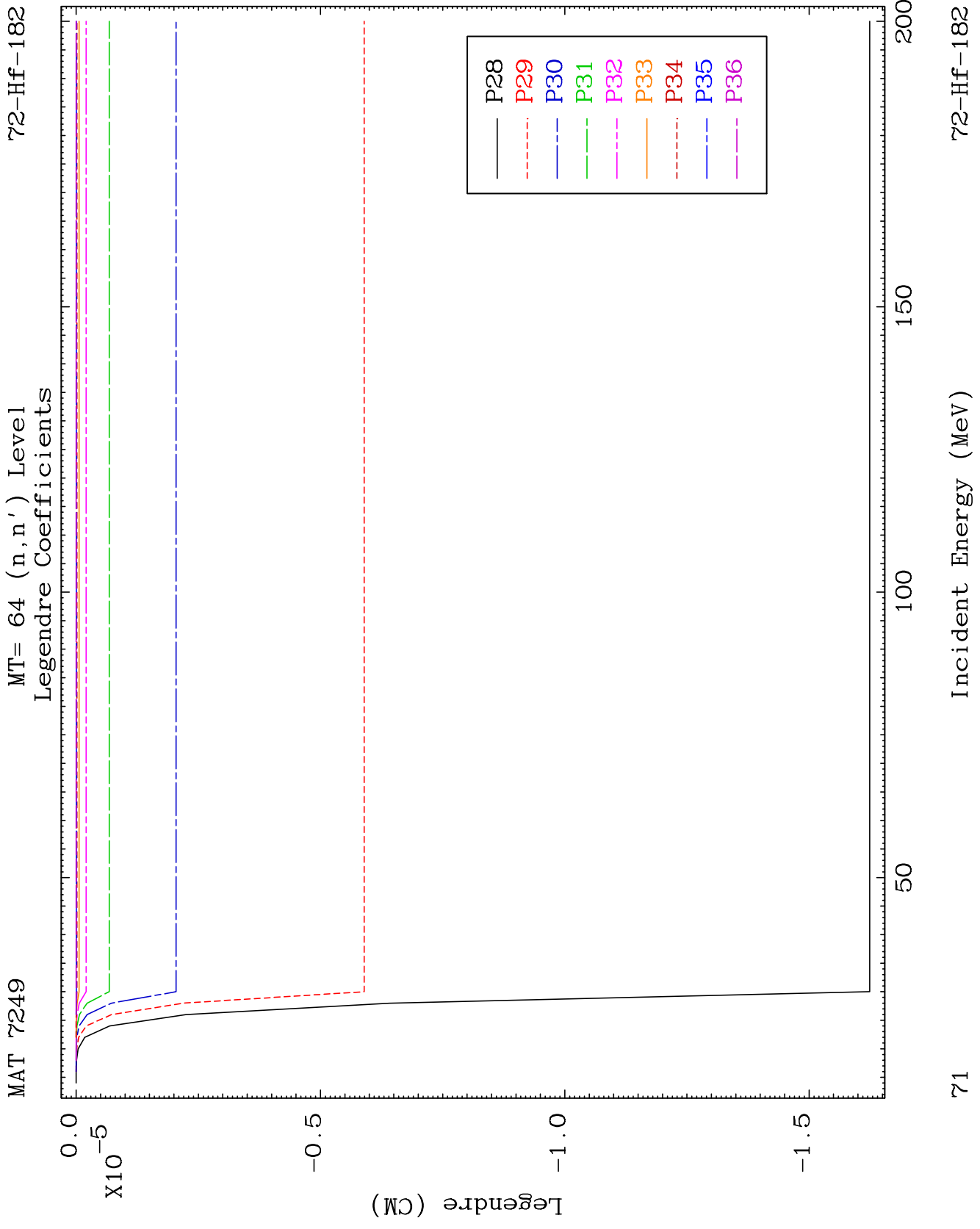
72-Hf-182



70

Incident Energy (MeV)

72-Hf-182

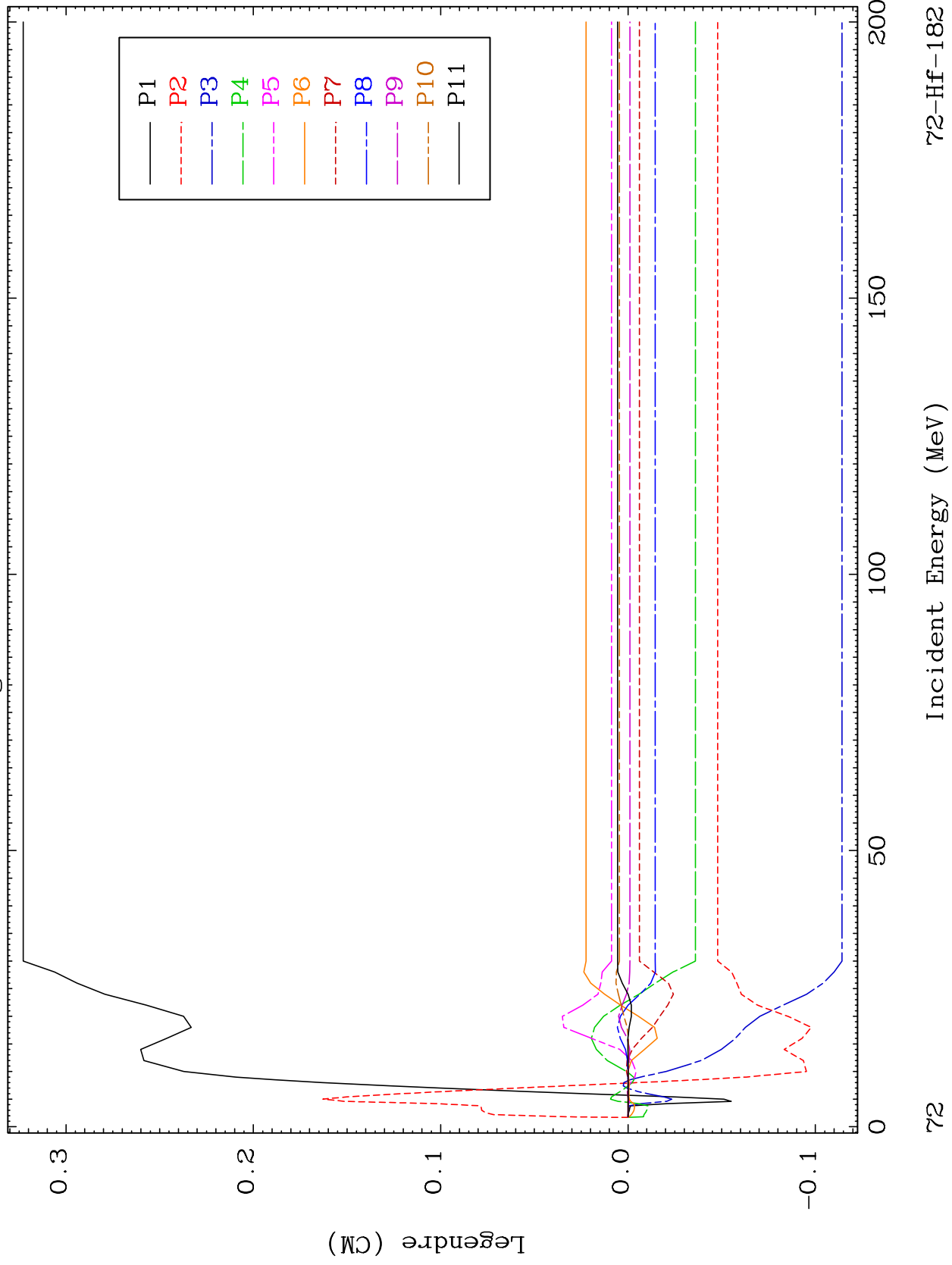




MAT 7249

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

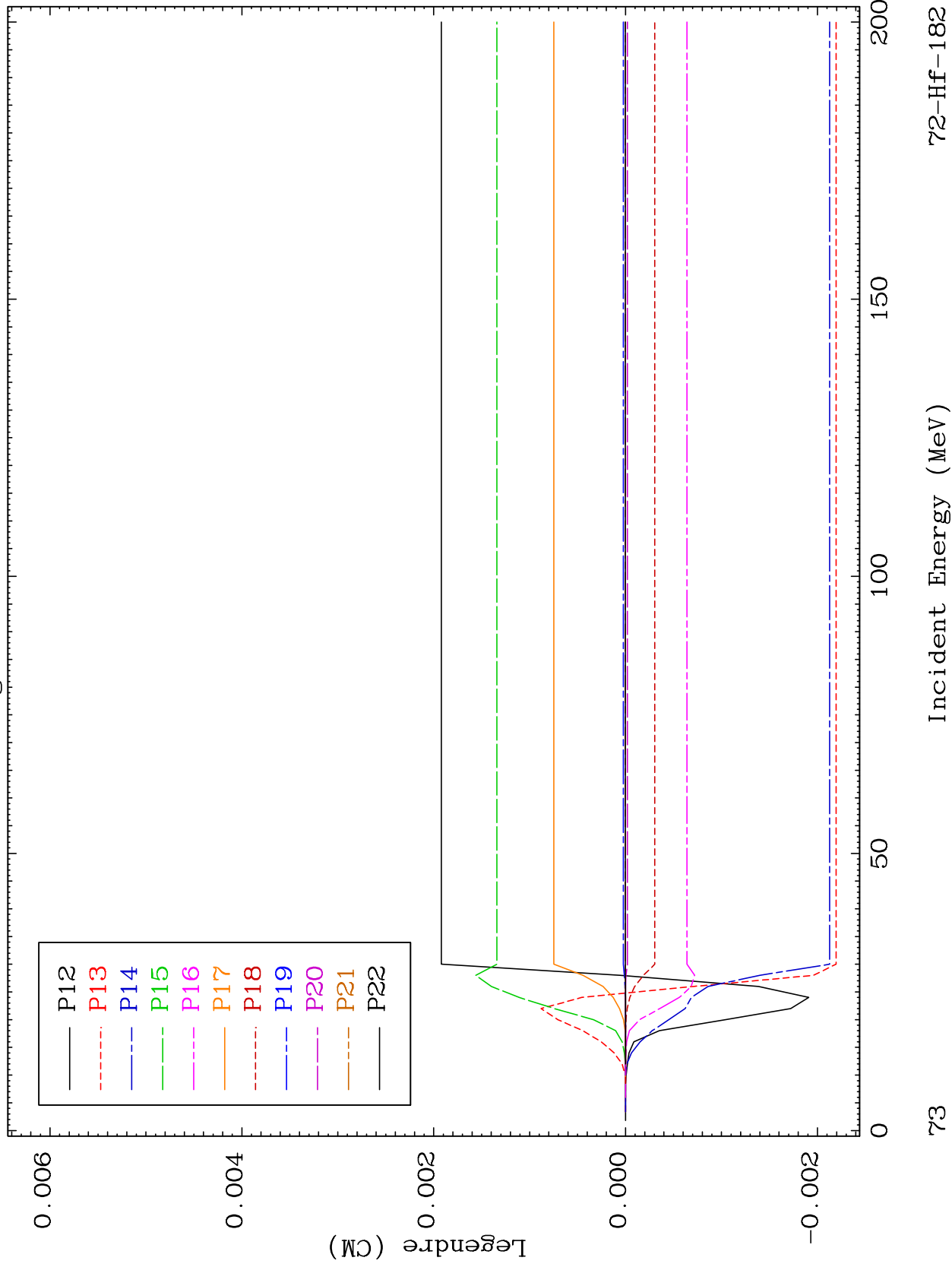
72-Hf-182



MAT 7249

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

72-Hf-182



72-Hf-182

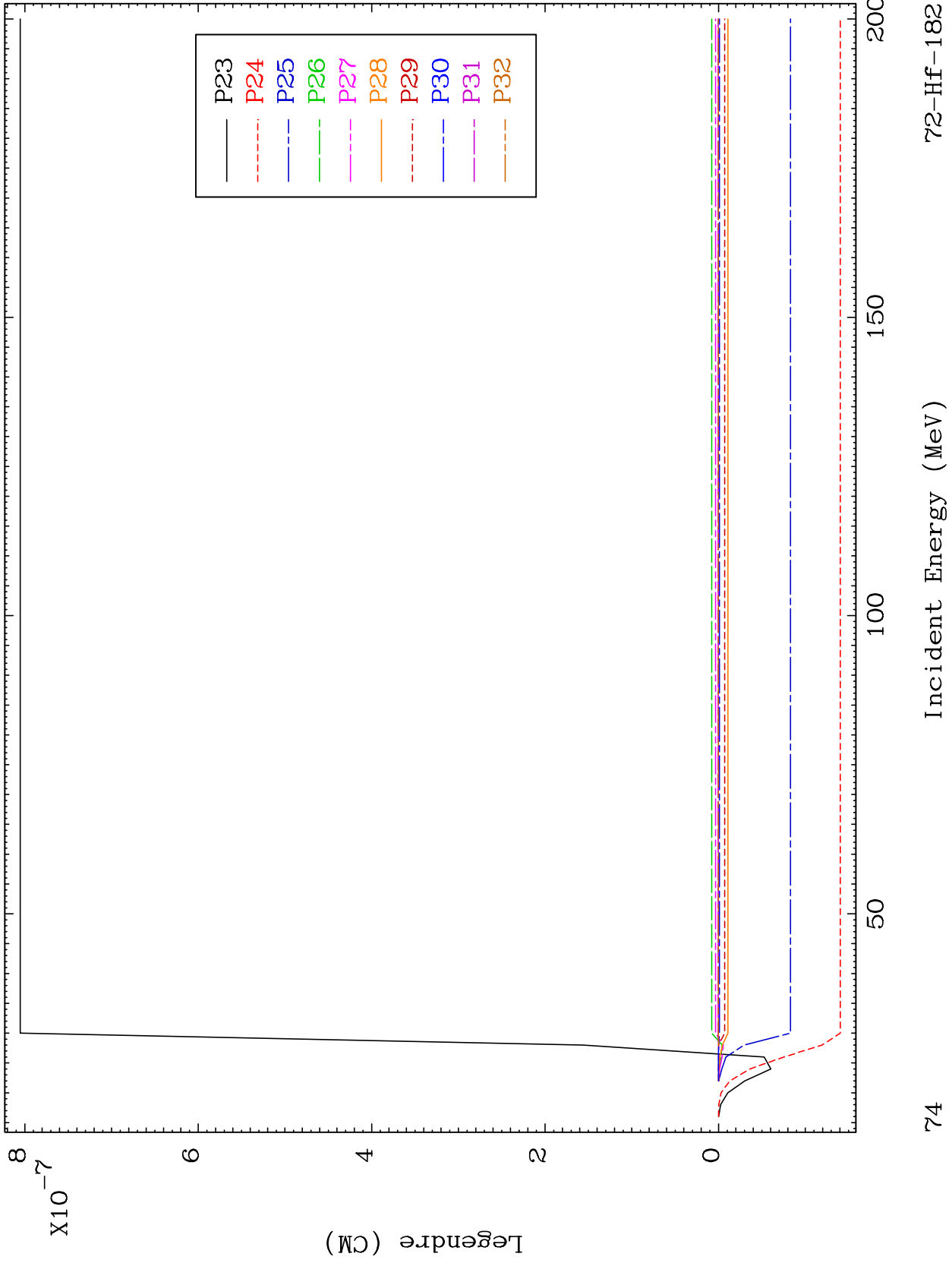
Incident Energy (MeV)

73

MAT 7249

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

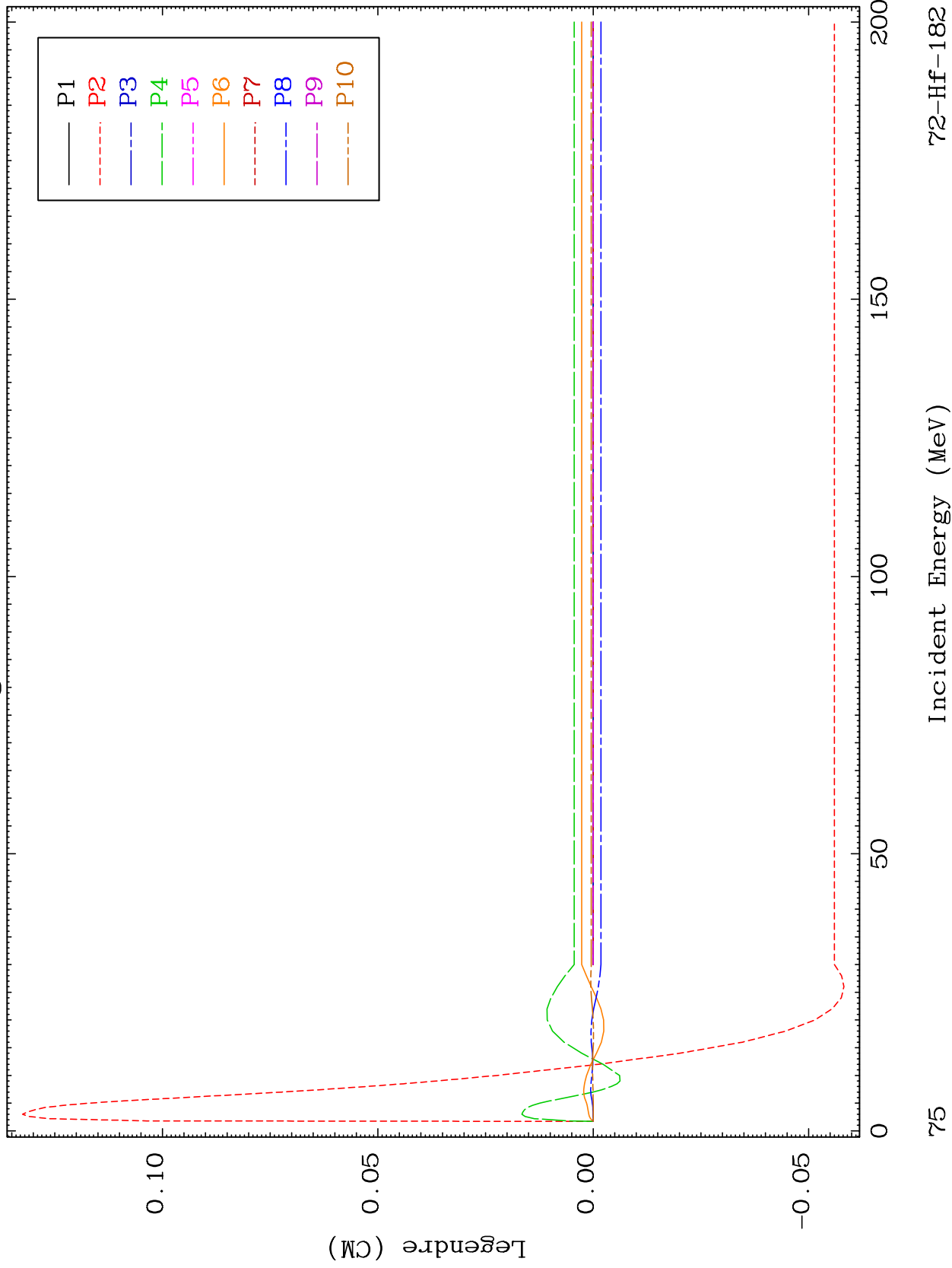
72-Hf-182



MAT 7249

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

72-Hf-182



72-Hf-182

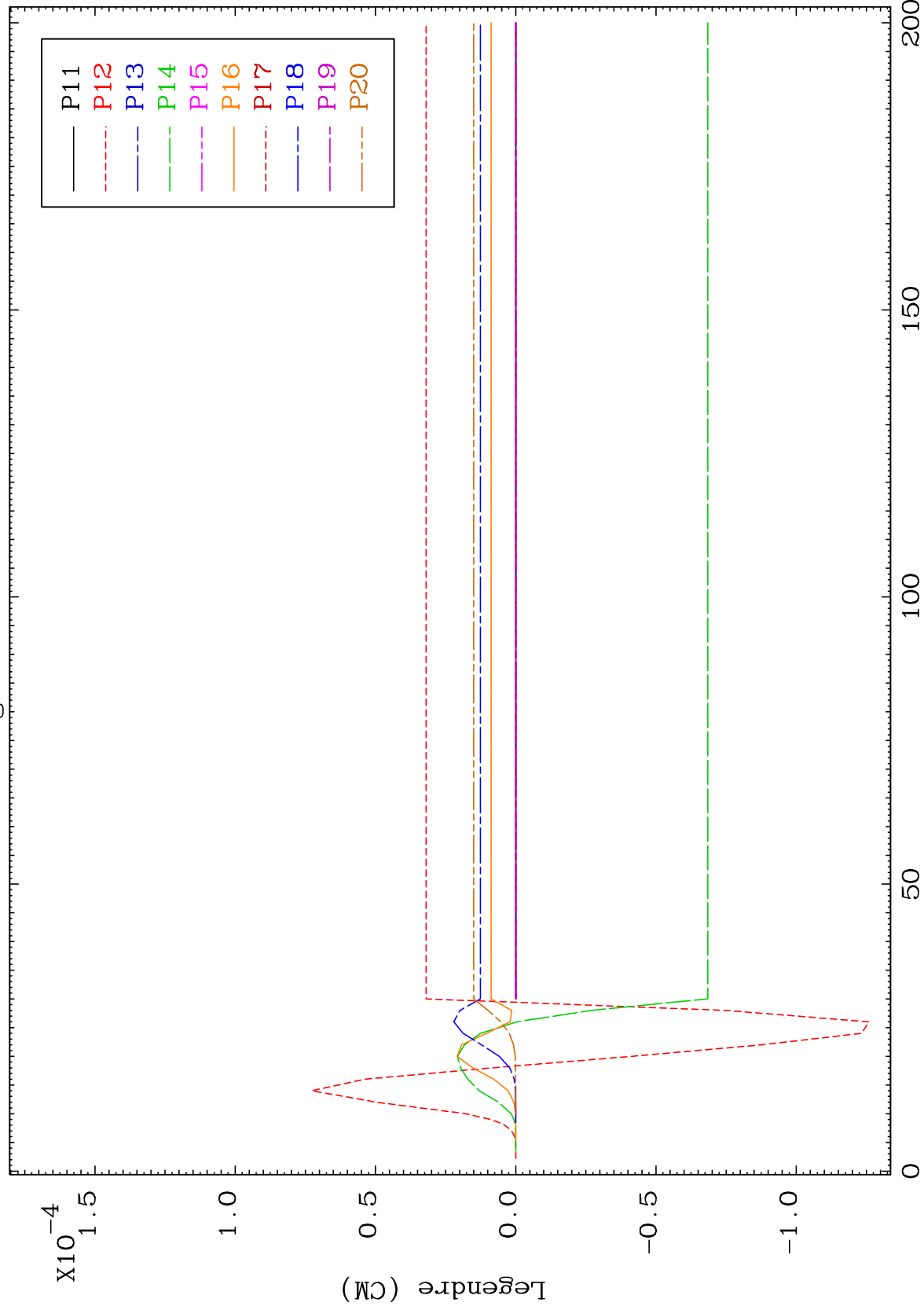
Incident Energy (MeV)

75

MAT 7249

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

72-Hf-182



76

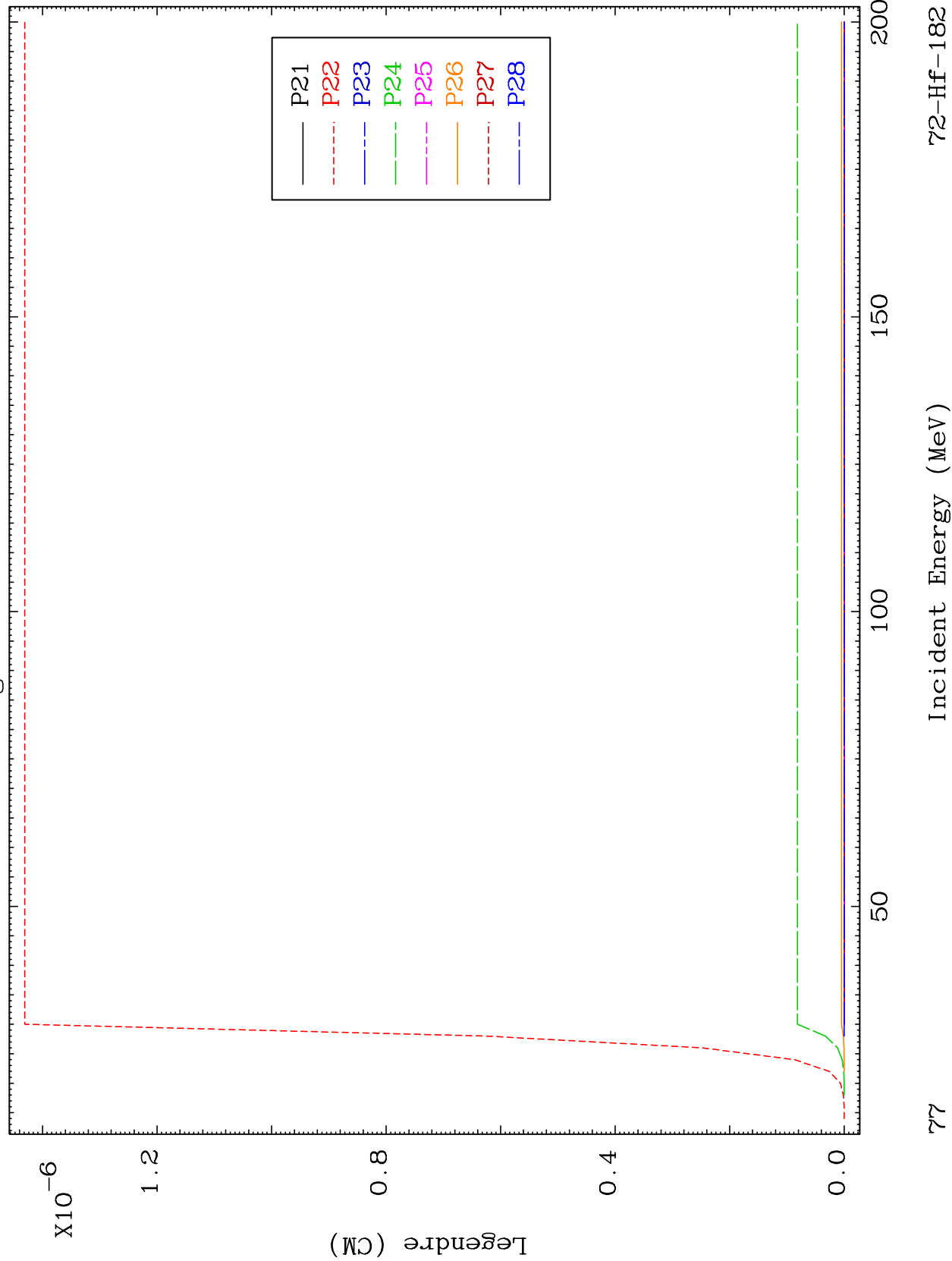
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

72-Hf-182

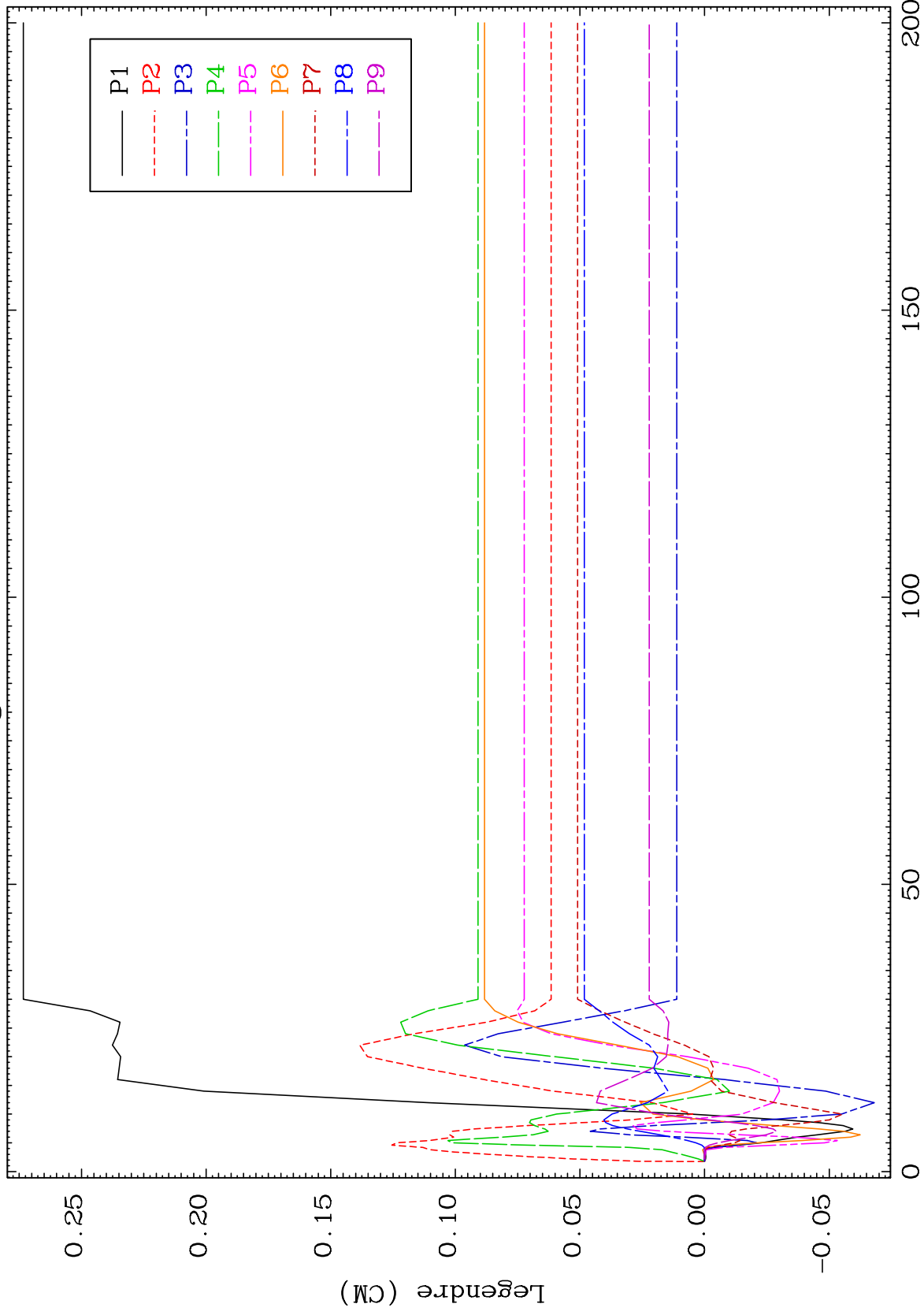


77

MAT 7249

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

72-Hf-182



78

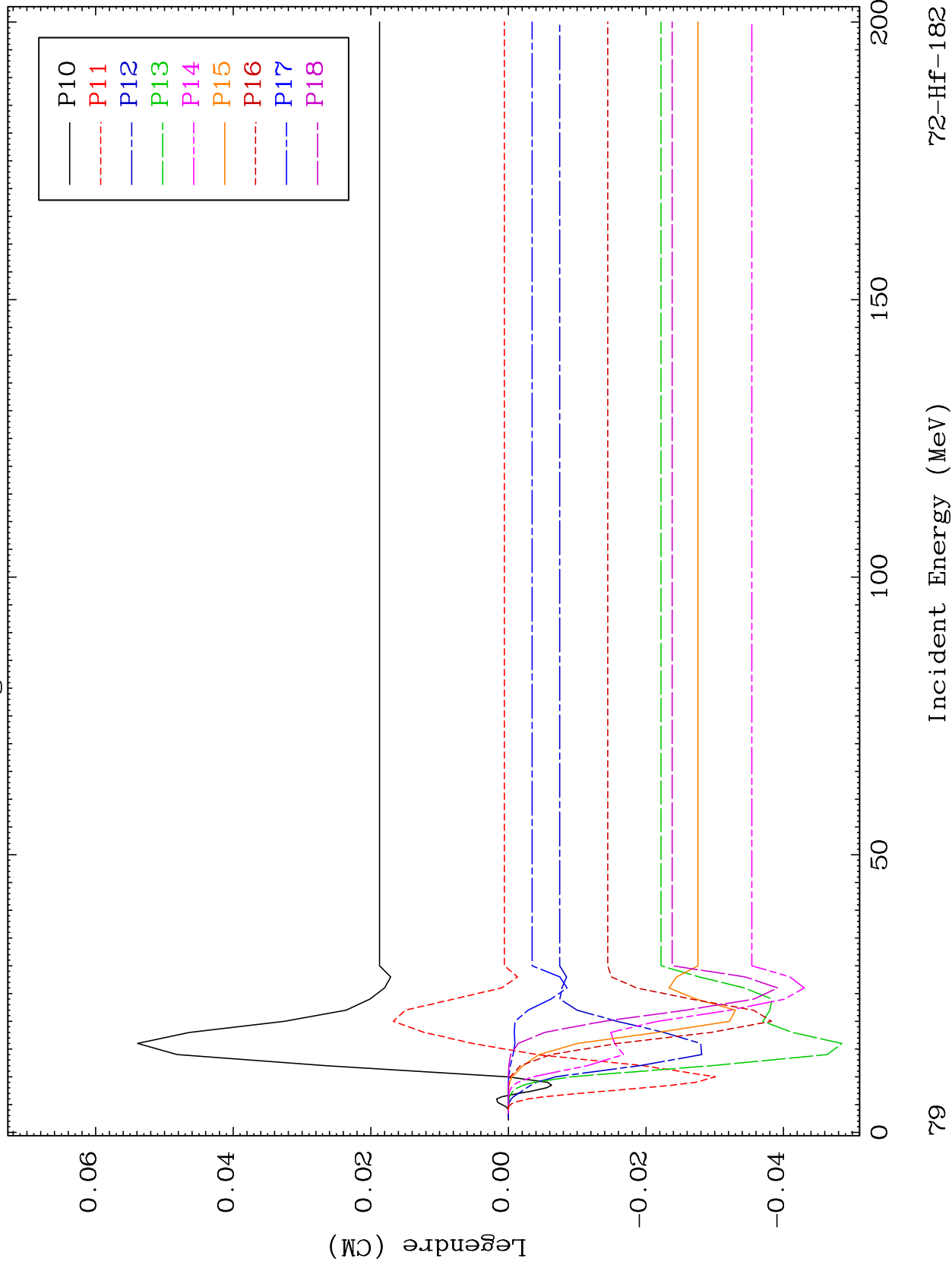
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

72-Hf-182



79

Incident Energy (MeV)

72-Hf-182

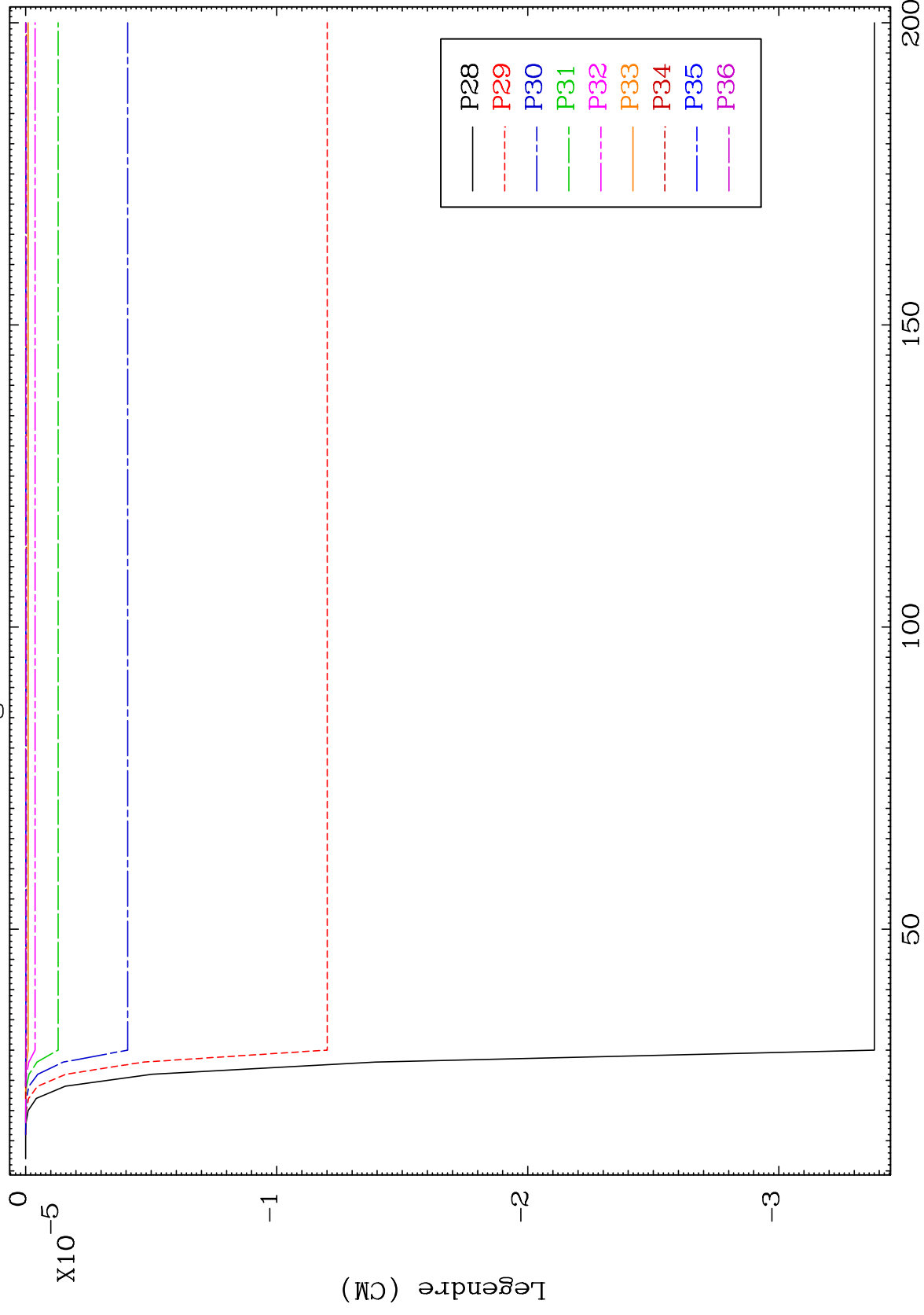




MAT 7249

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

72-Hf-182



81

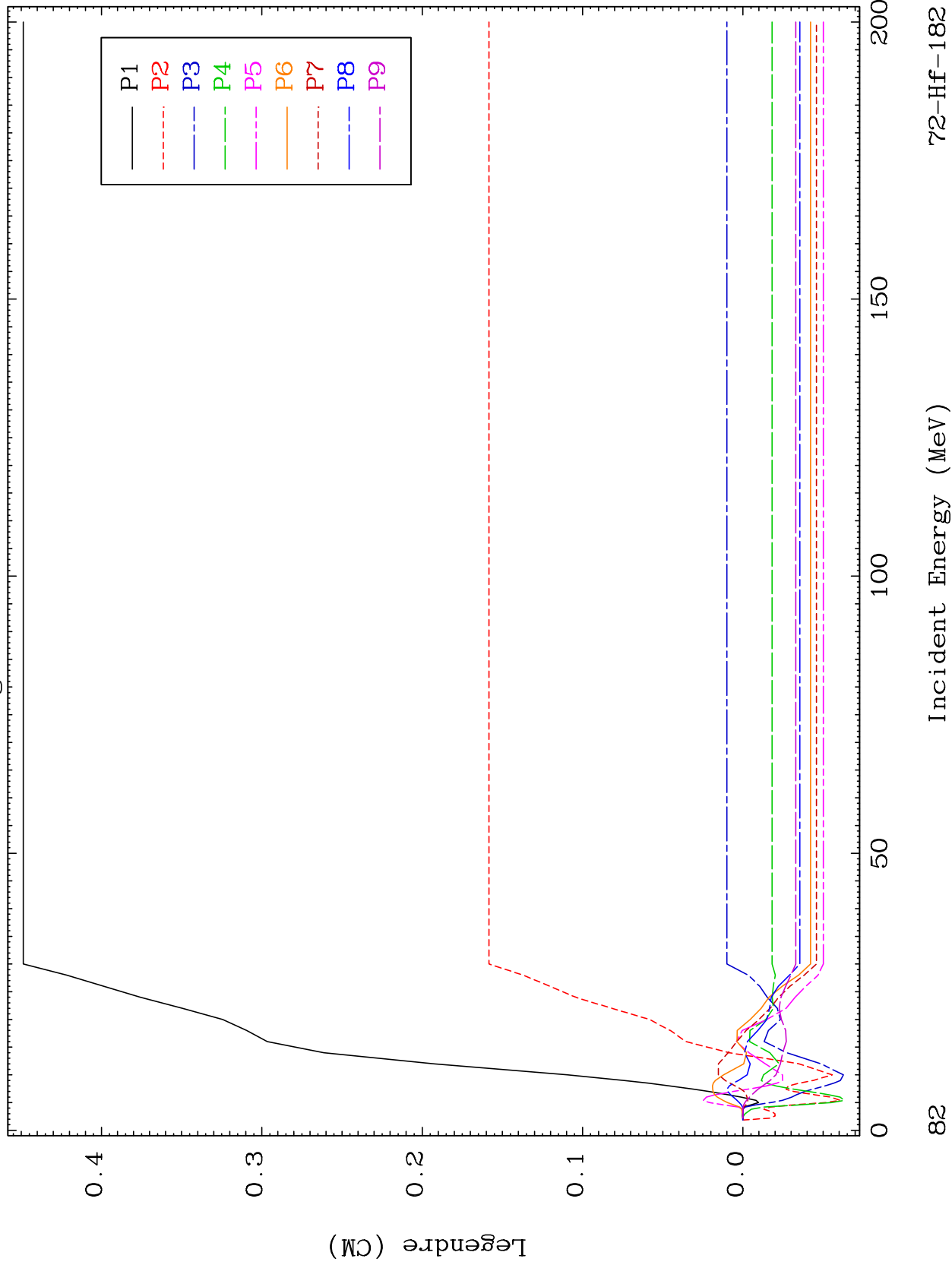
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

72-Hf-182



72-Hf-182

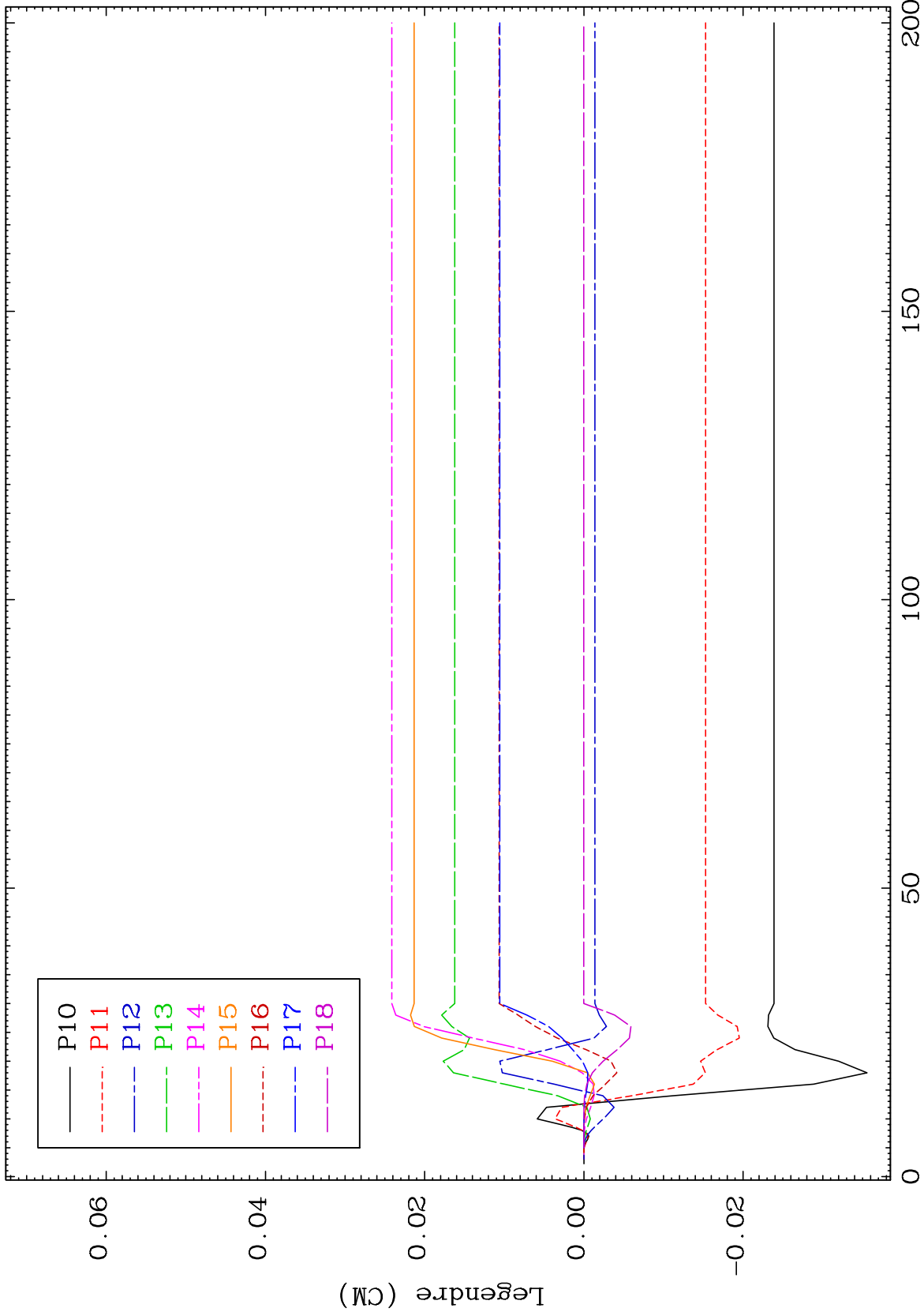
Incident Energy (MeV)

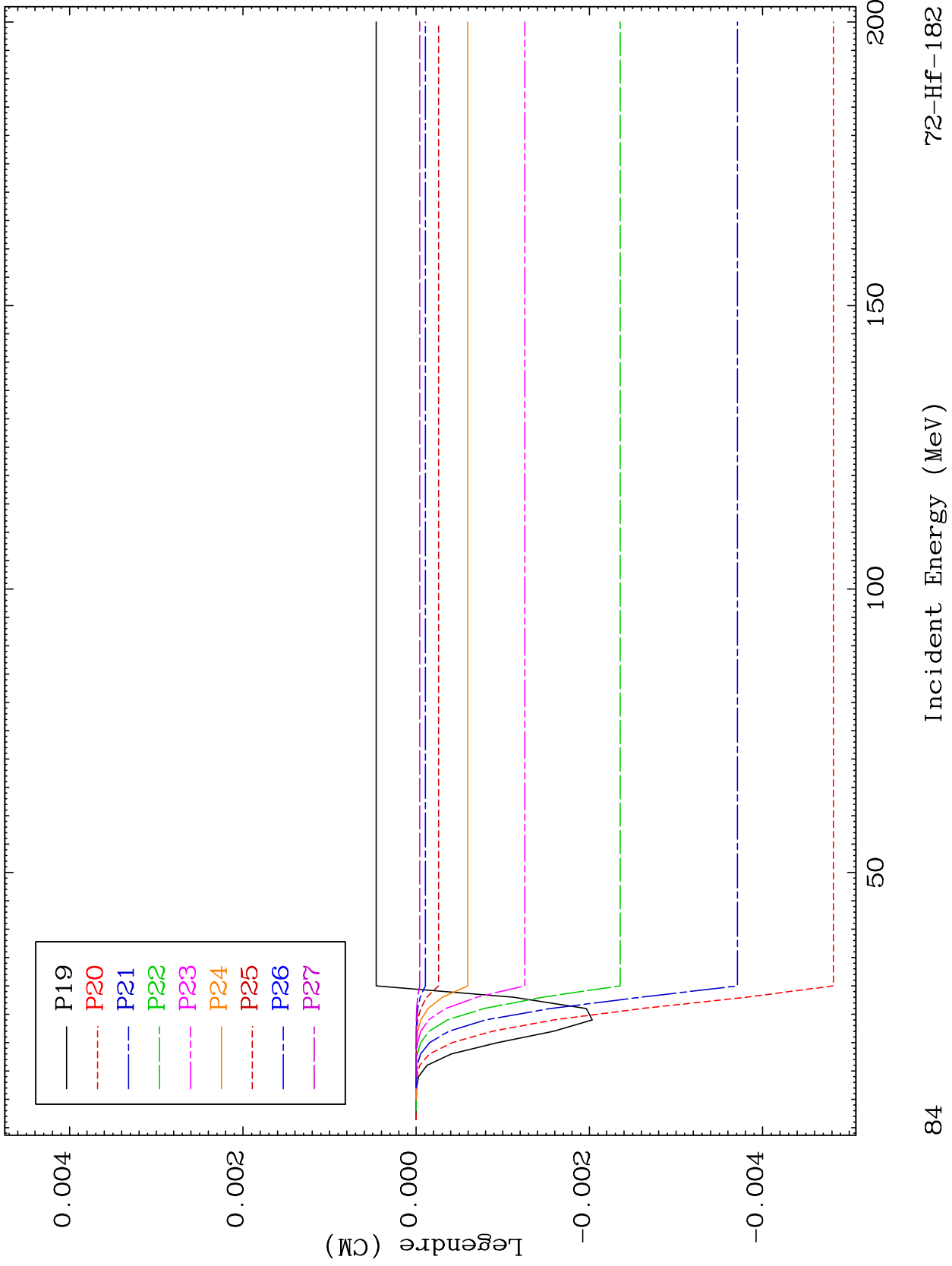
82

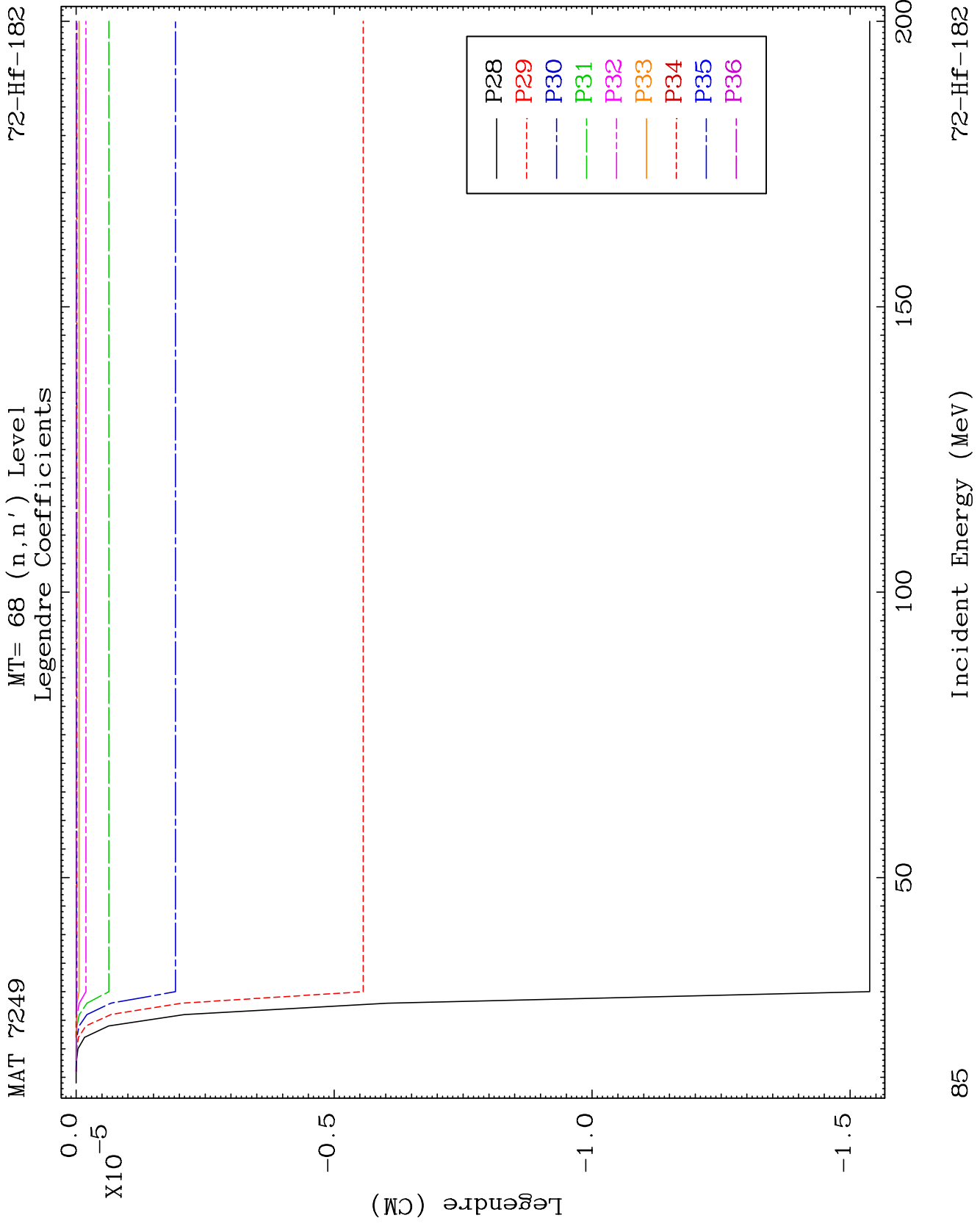
MAT 7249

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

72-Hf-182



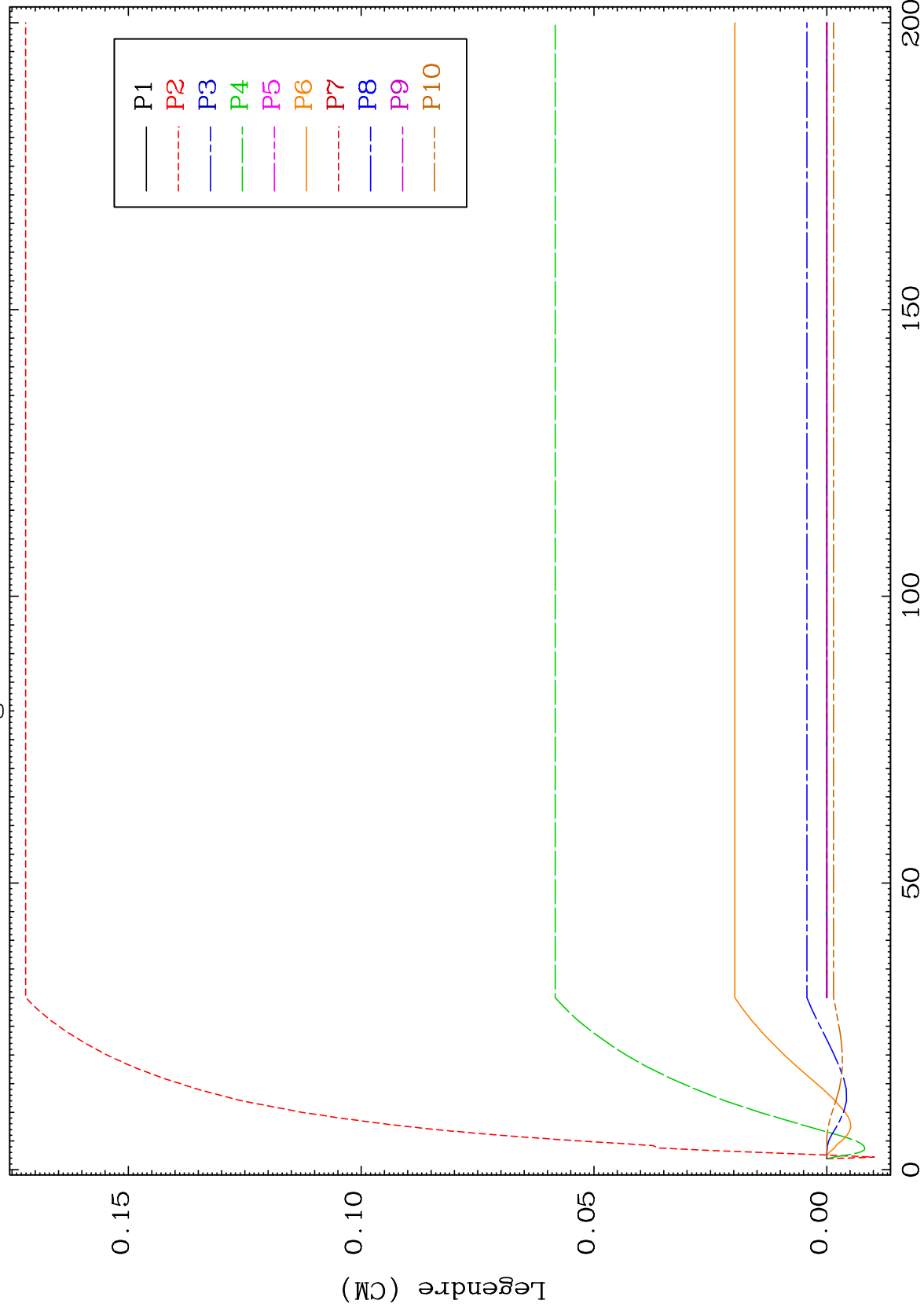




MAT 7249

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

72-Hf-182



72-Hf-182

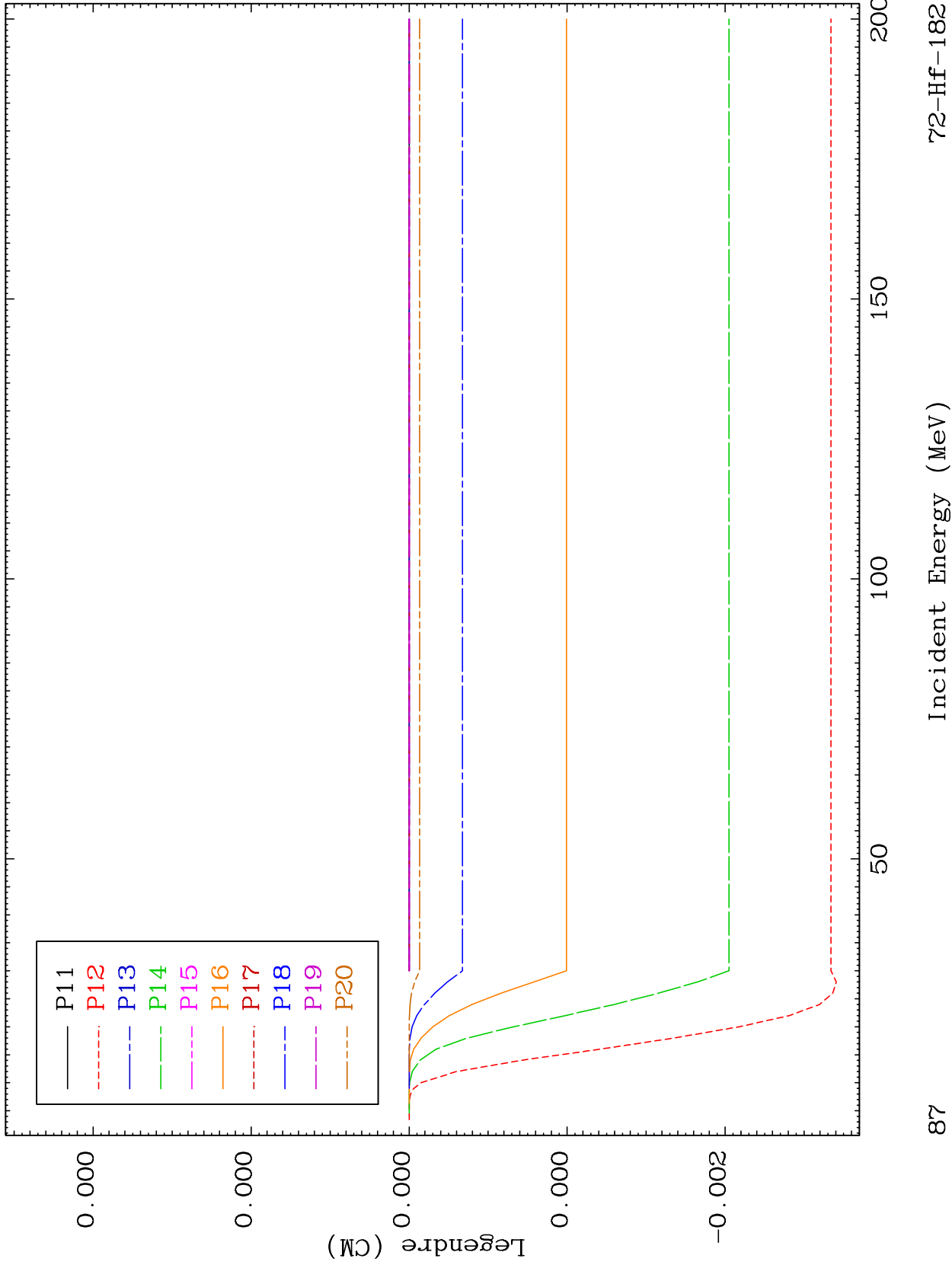
Incident Energy (MeV)

86

MAT 7249

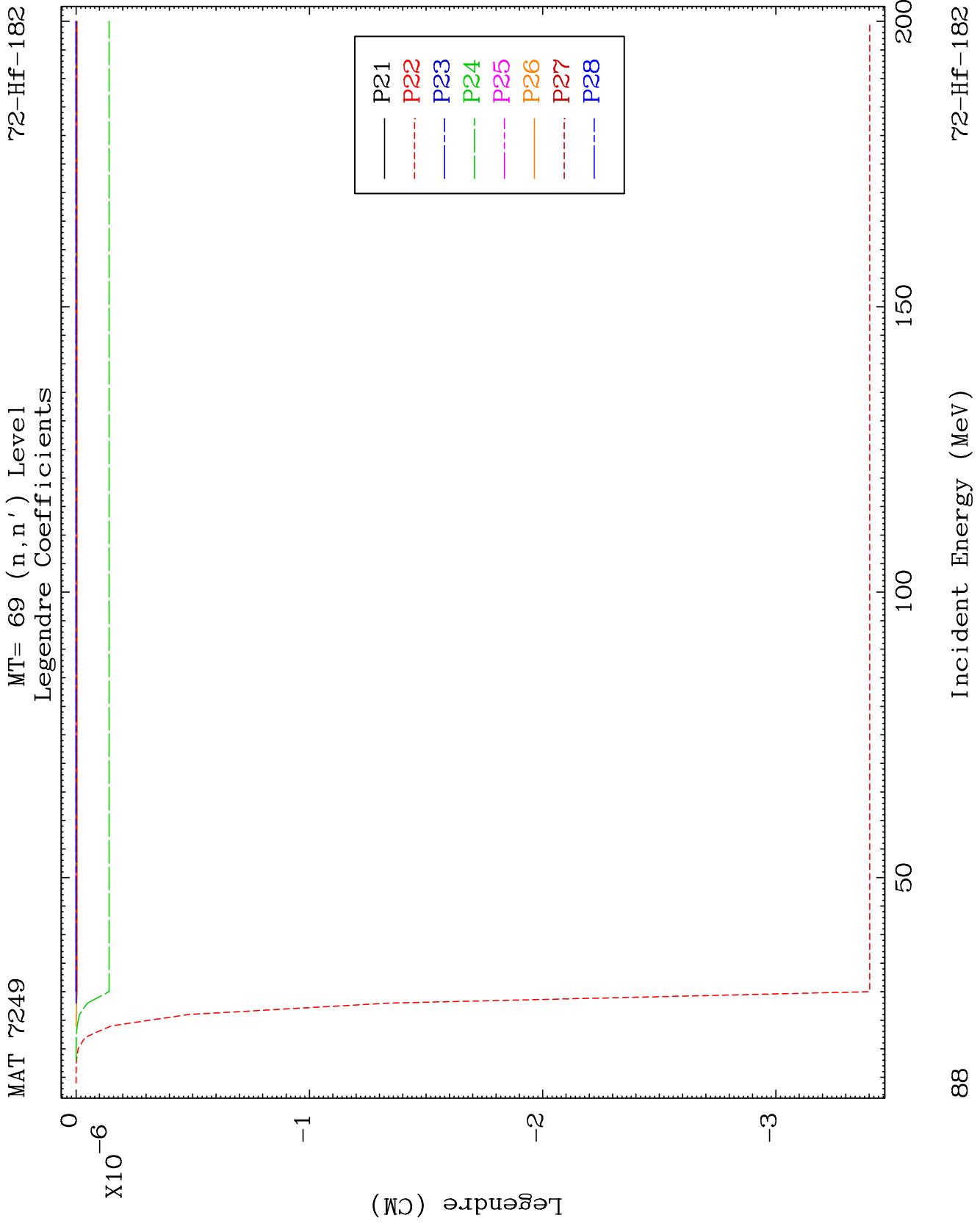
MT= 69 (n,n') Level  
Legendre Coefficients

72-Hf-182



87

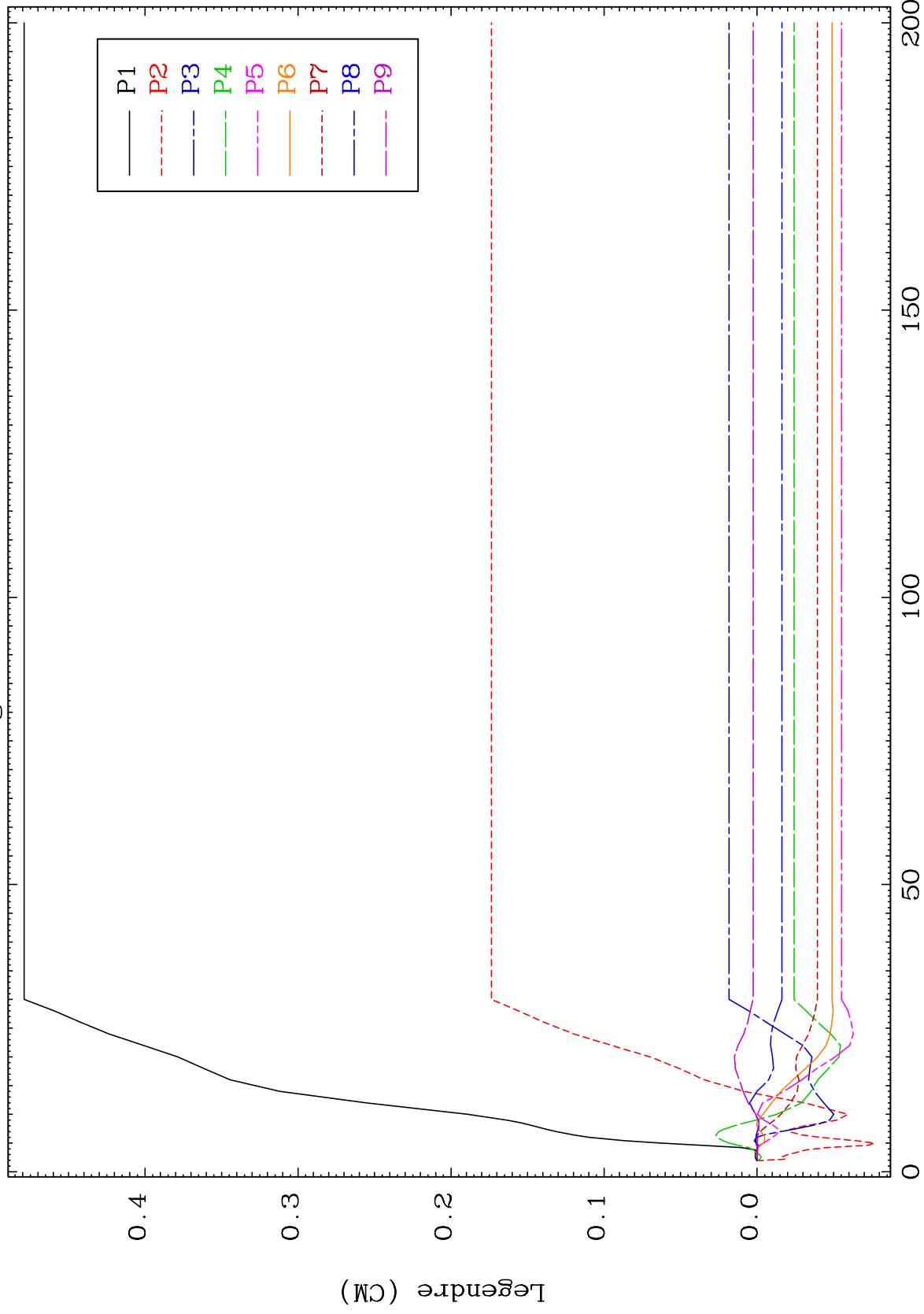




MAT 7249

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

72-Hf-182



72-Hf-182

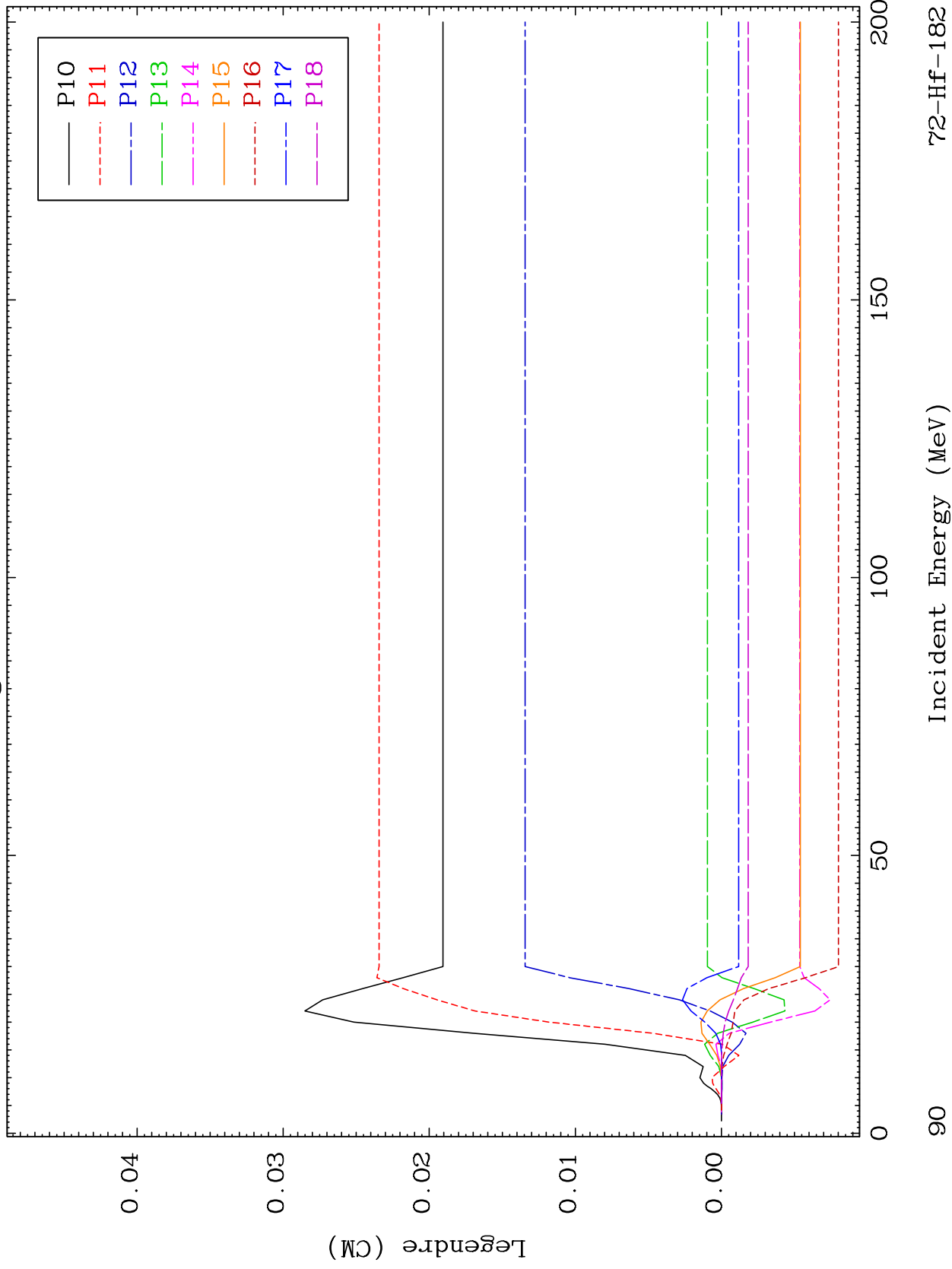
Incident Energy (MeV)

89

MAT 7249

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

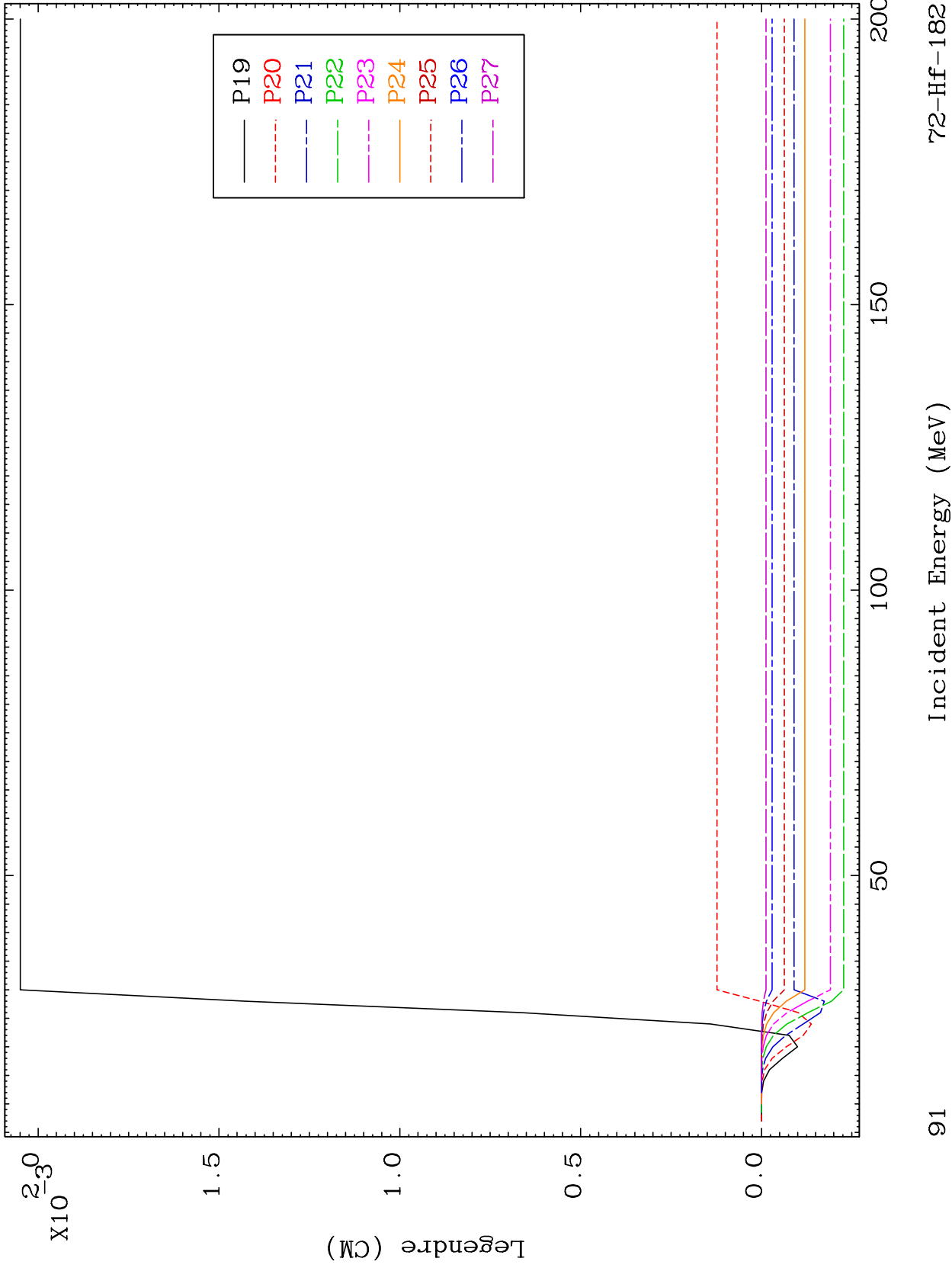
72-Hf-182

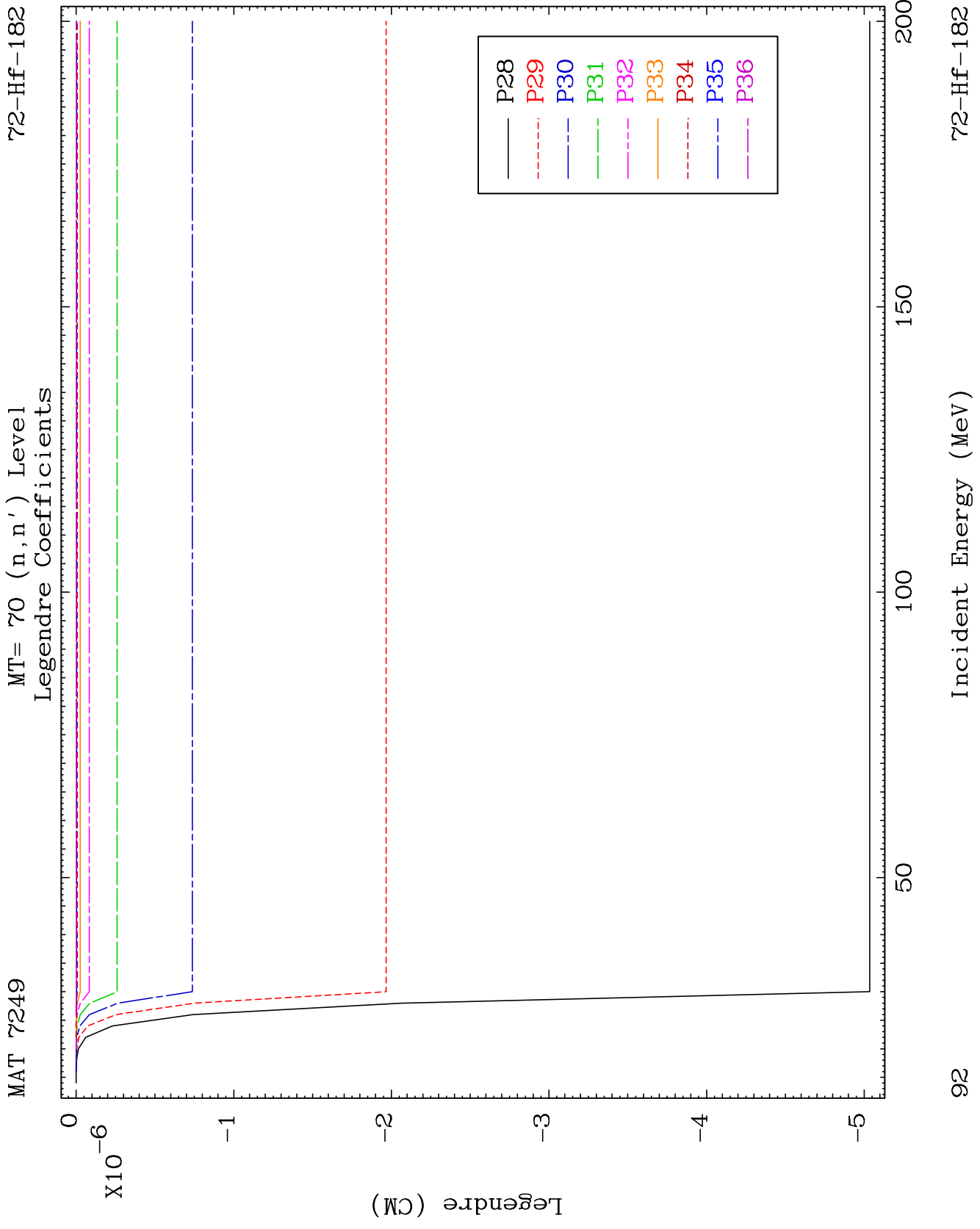


MAT 7249

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

72-Hf-182

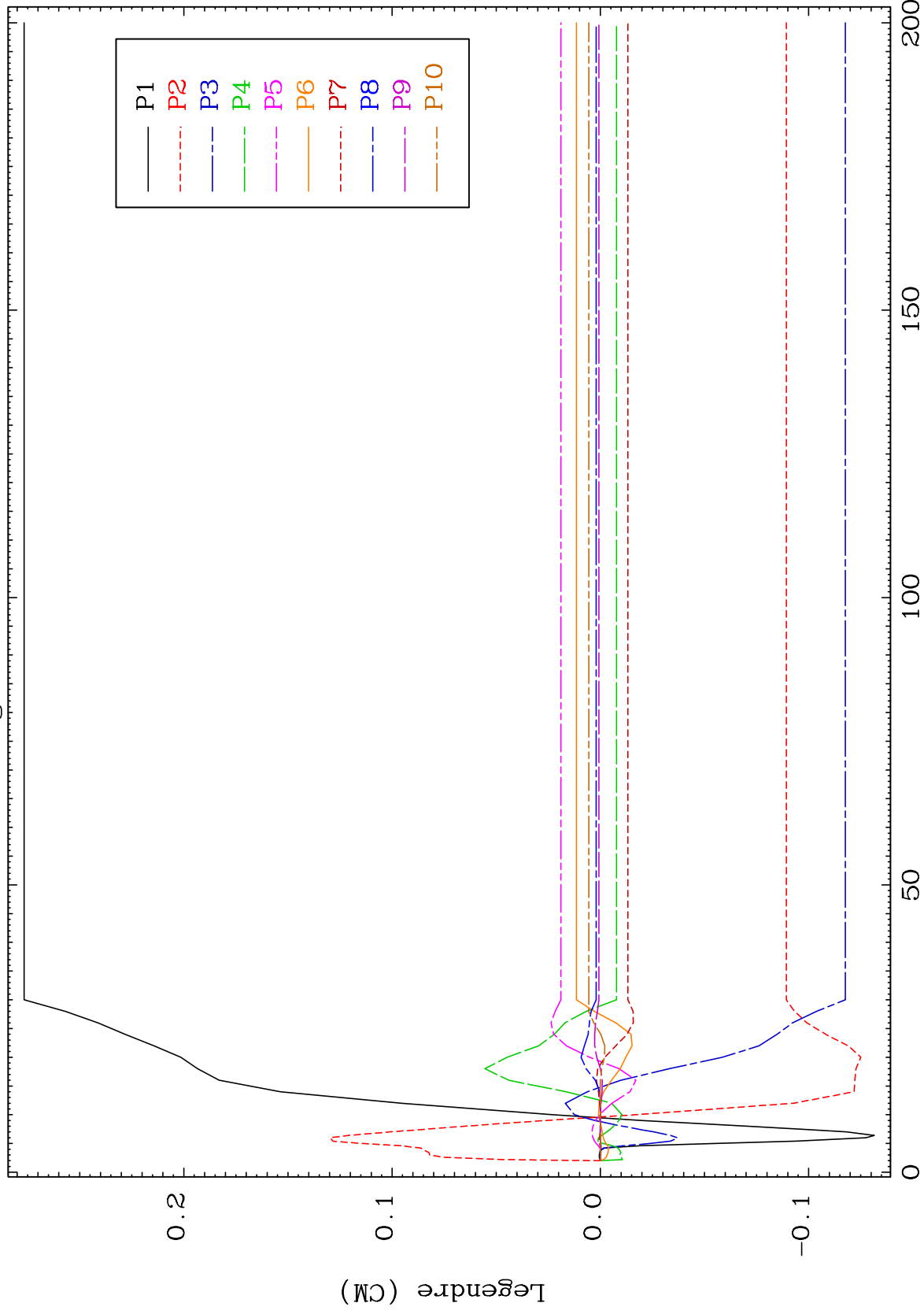




MAT 7249

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

72-Hf-182



93

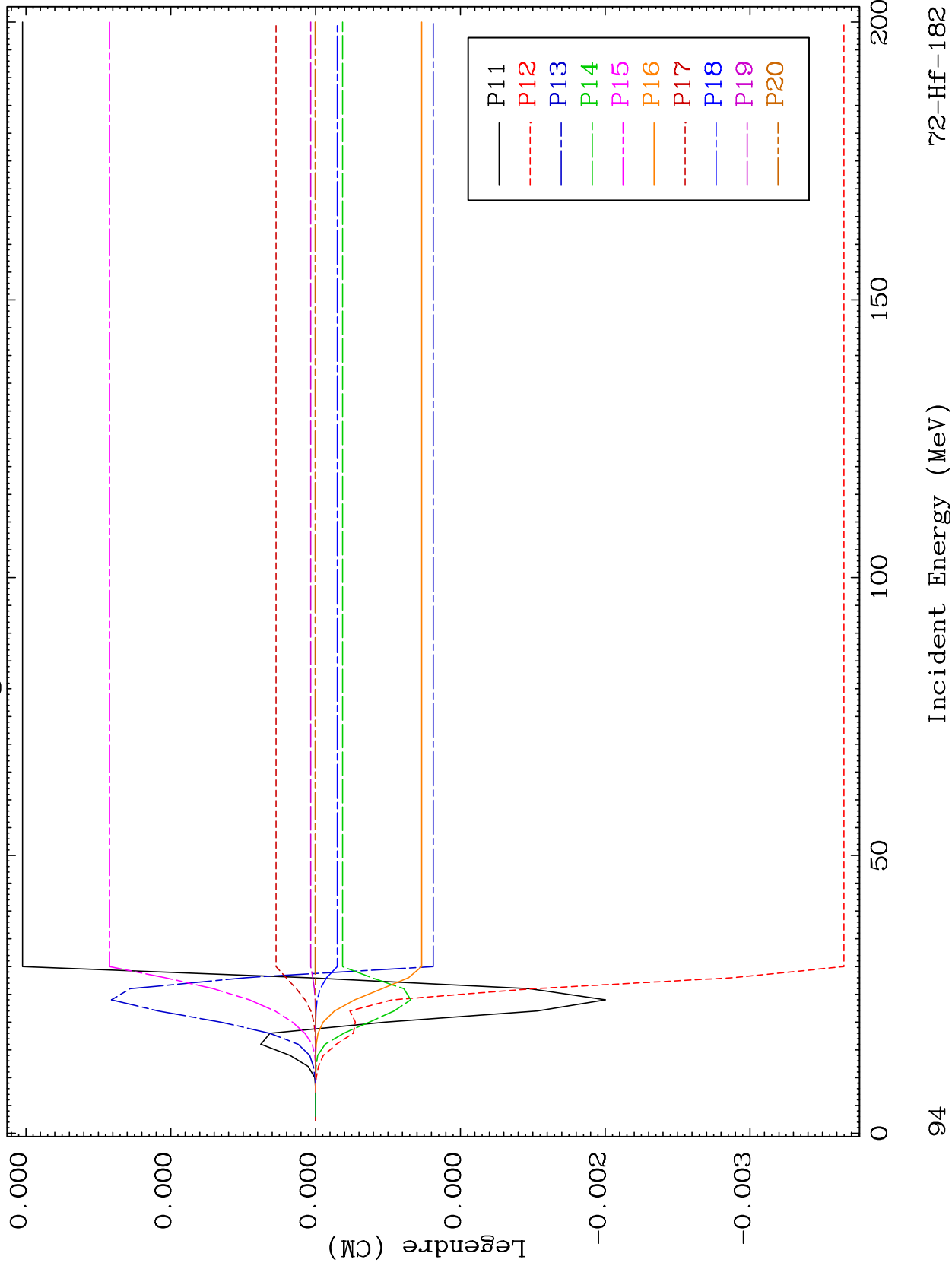
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

72-Hf-182



94

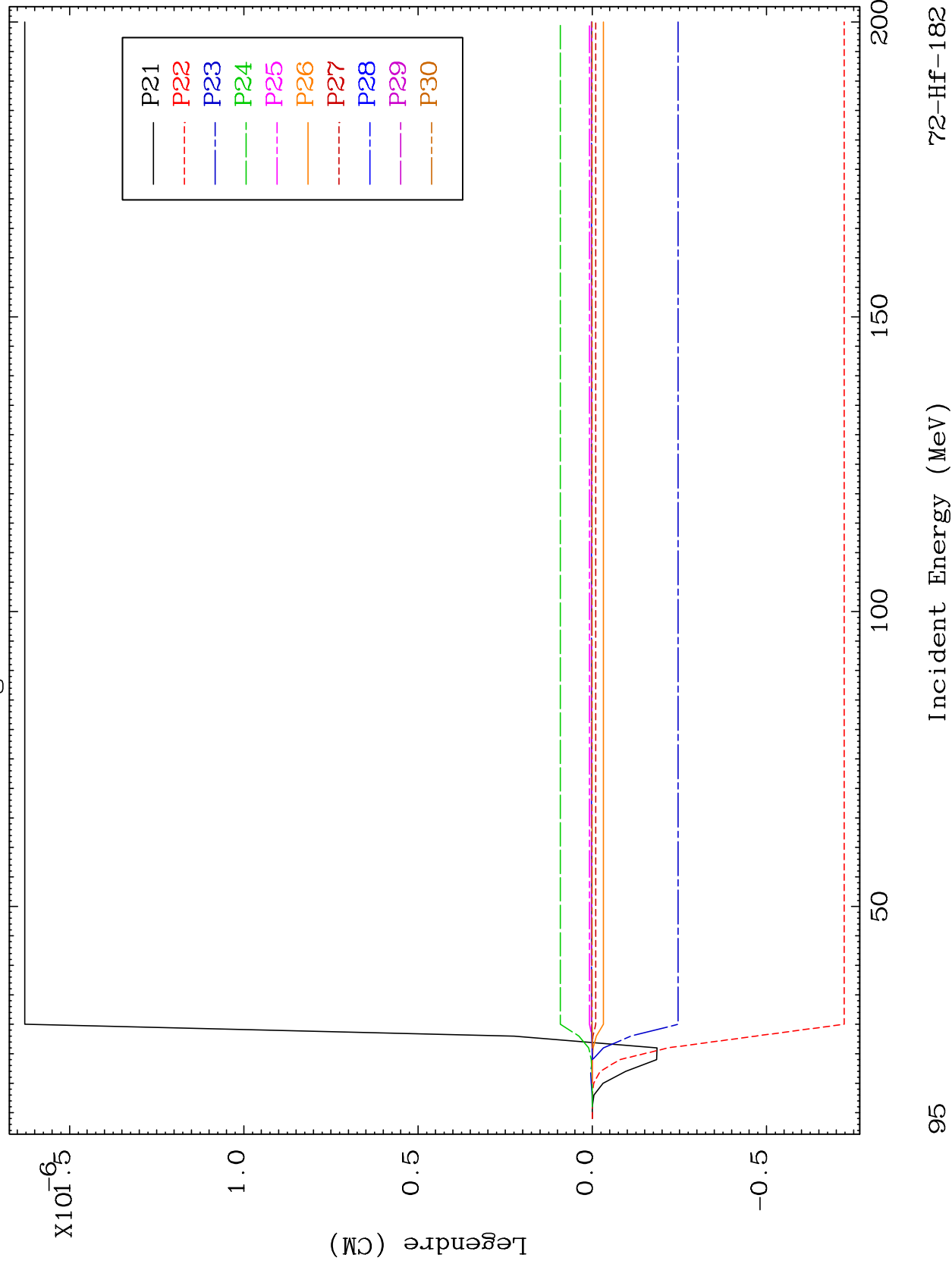
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

72-Hf-182



95

Incident Energy (MeV)

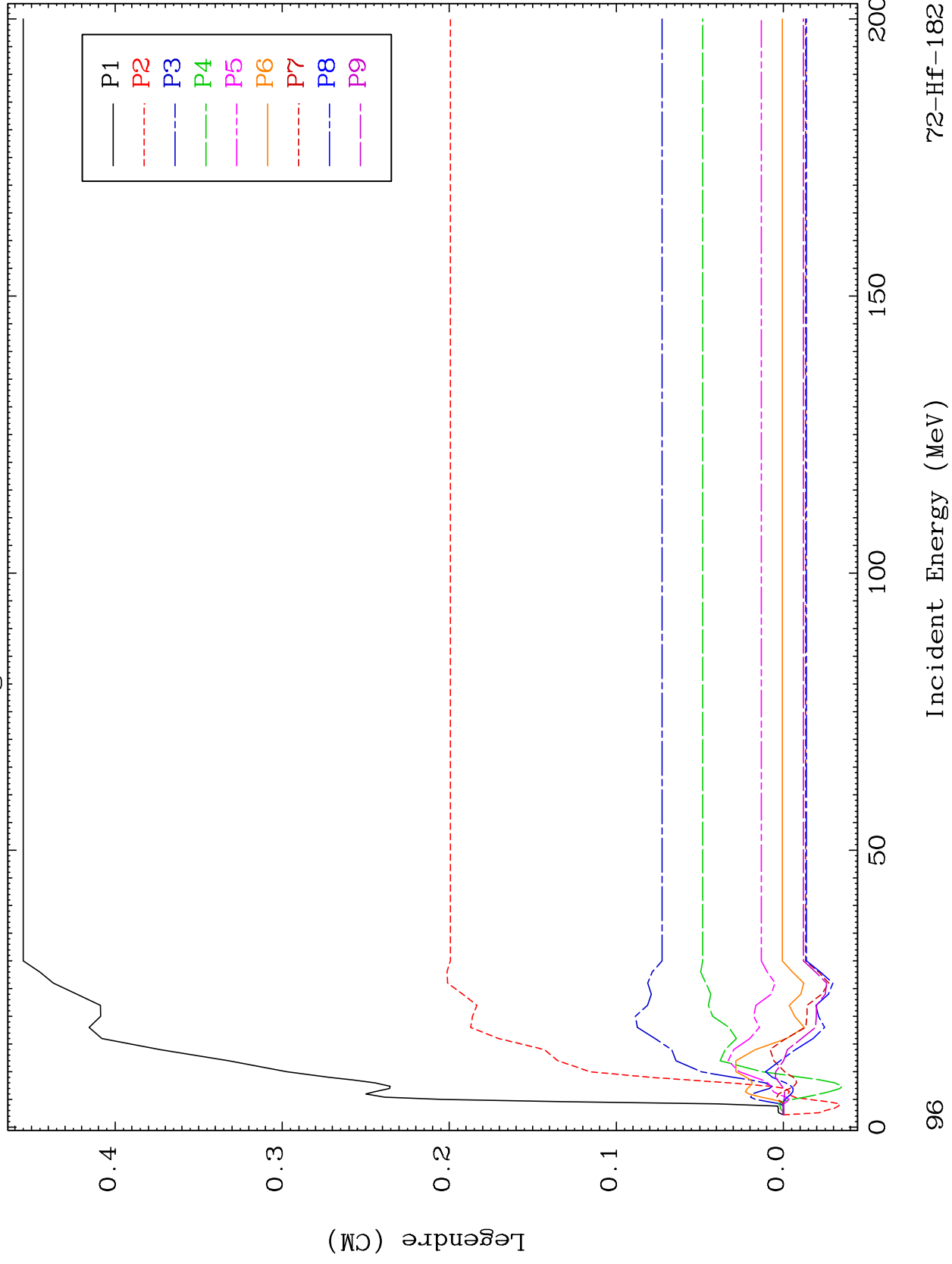
72-Hf-182



MAT 7249

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

72-Hf-182



72-Hf-182

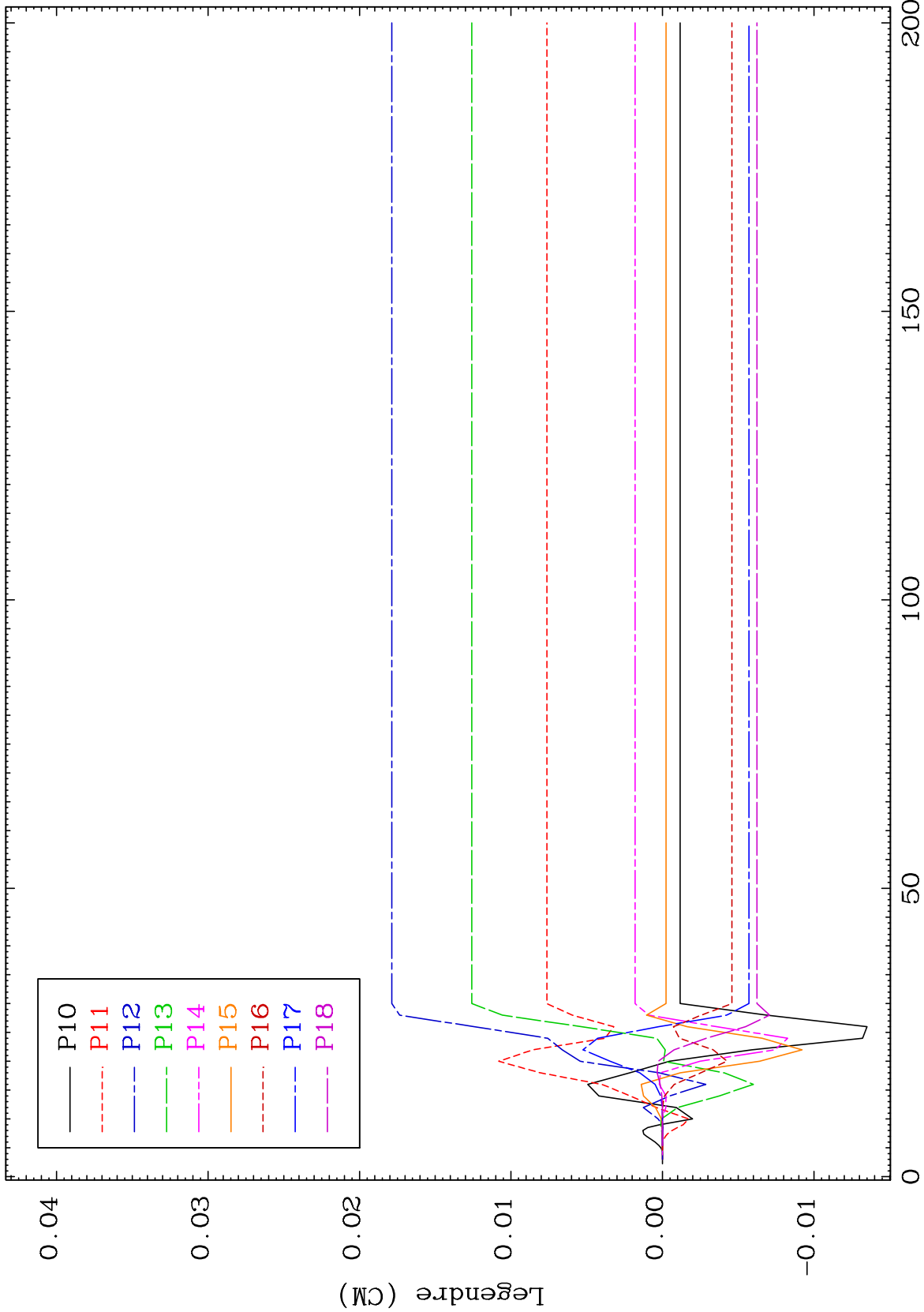
Incident Energy (MeV)

96

MAT 7249

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

72-Hf-182



97

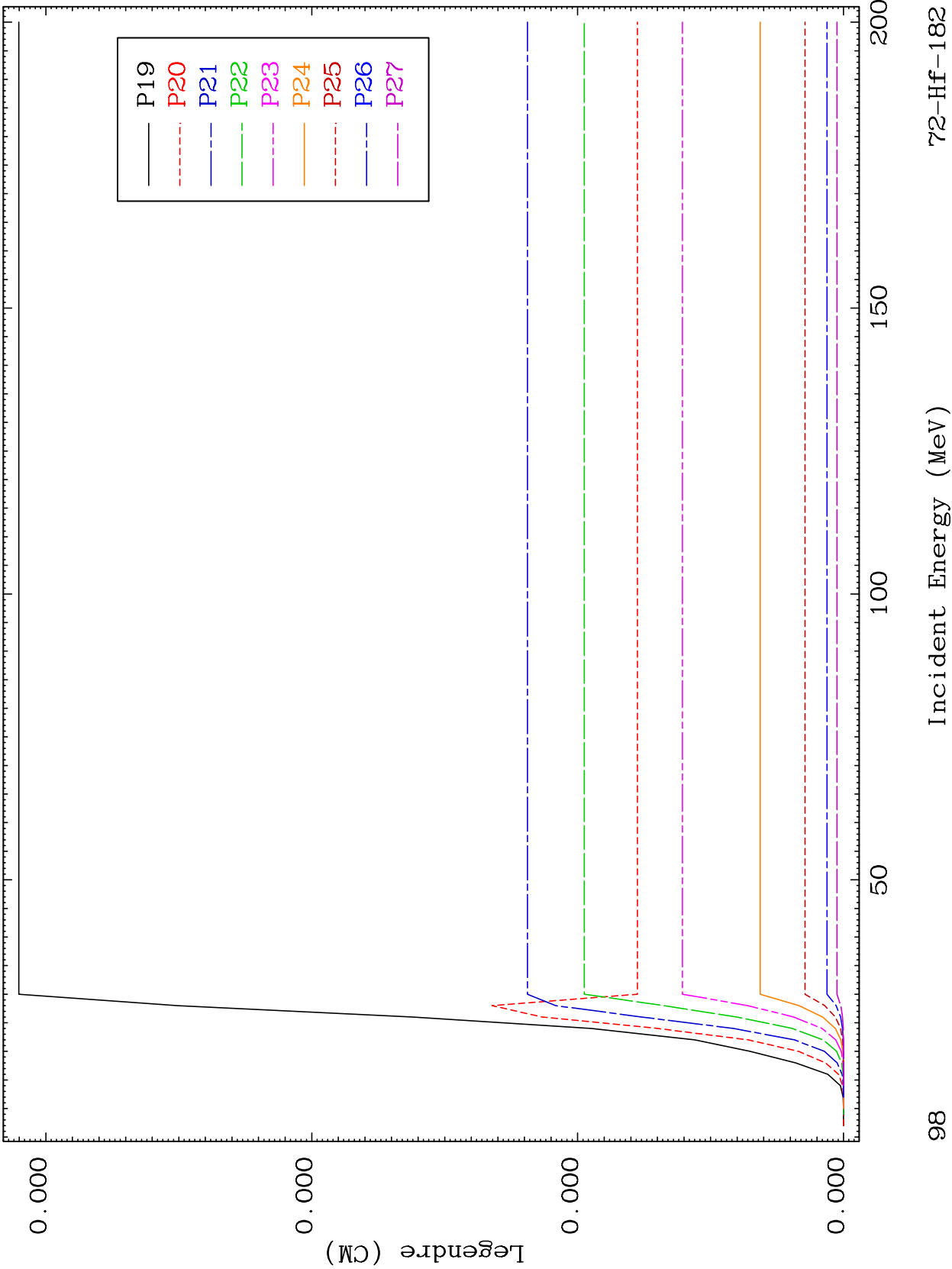
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

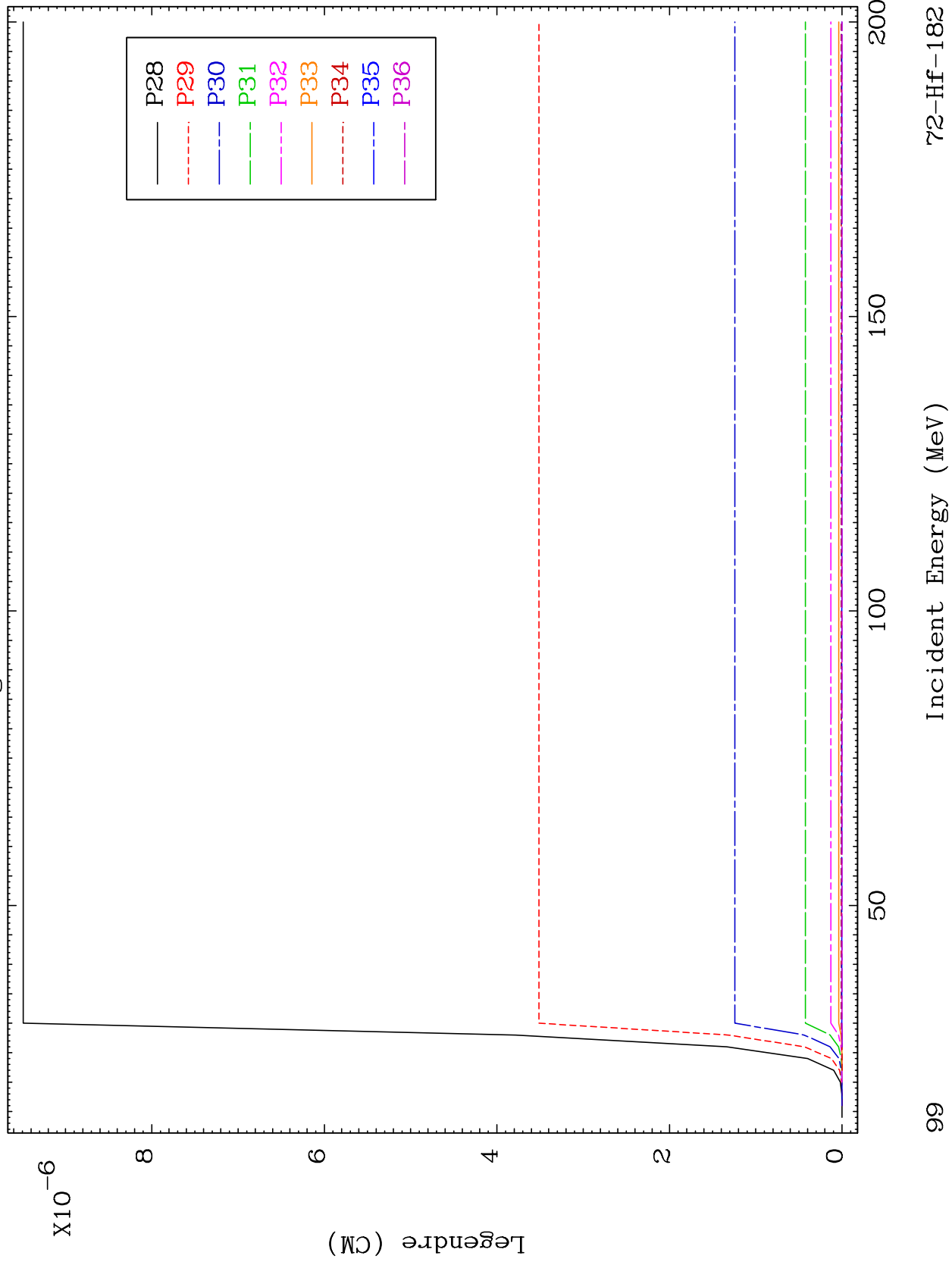
72-Hf-182



MAT 7249

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

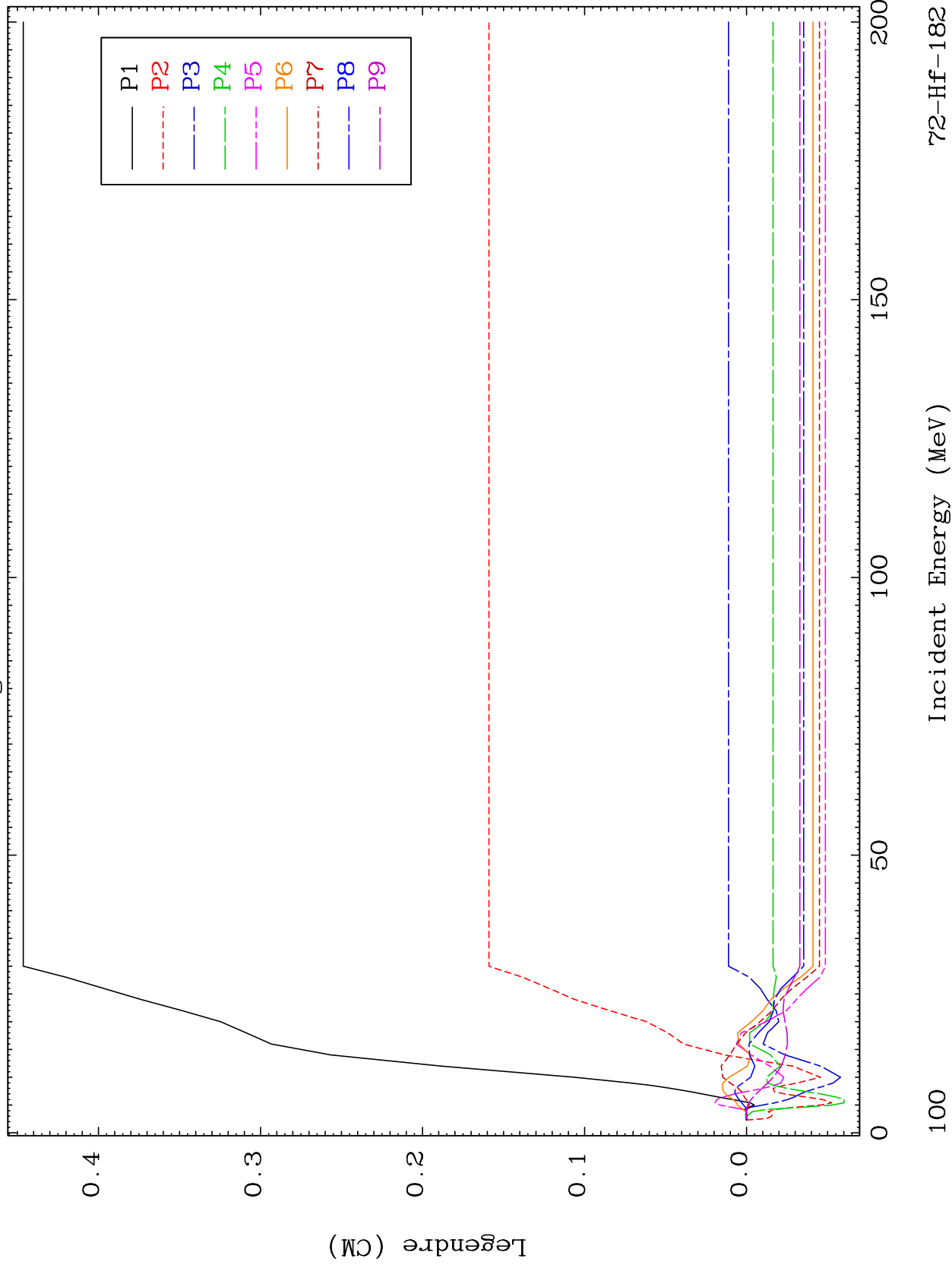
72-Hf-182



MAT 7249

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

72-Hf-182



72-Hf-182

Incident Energy (MeV)

0

50

100

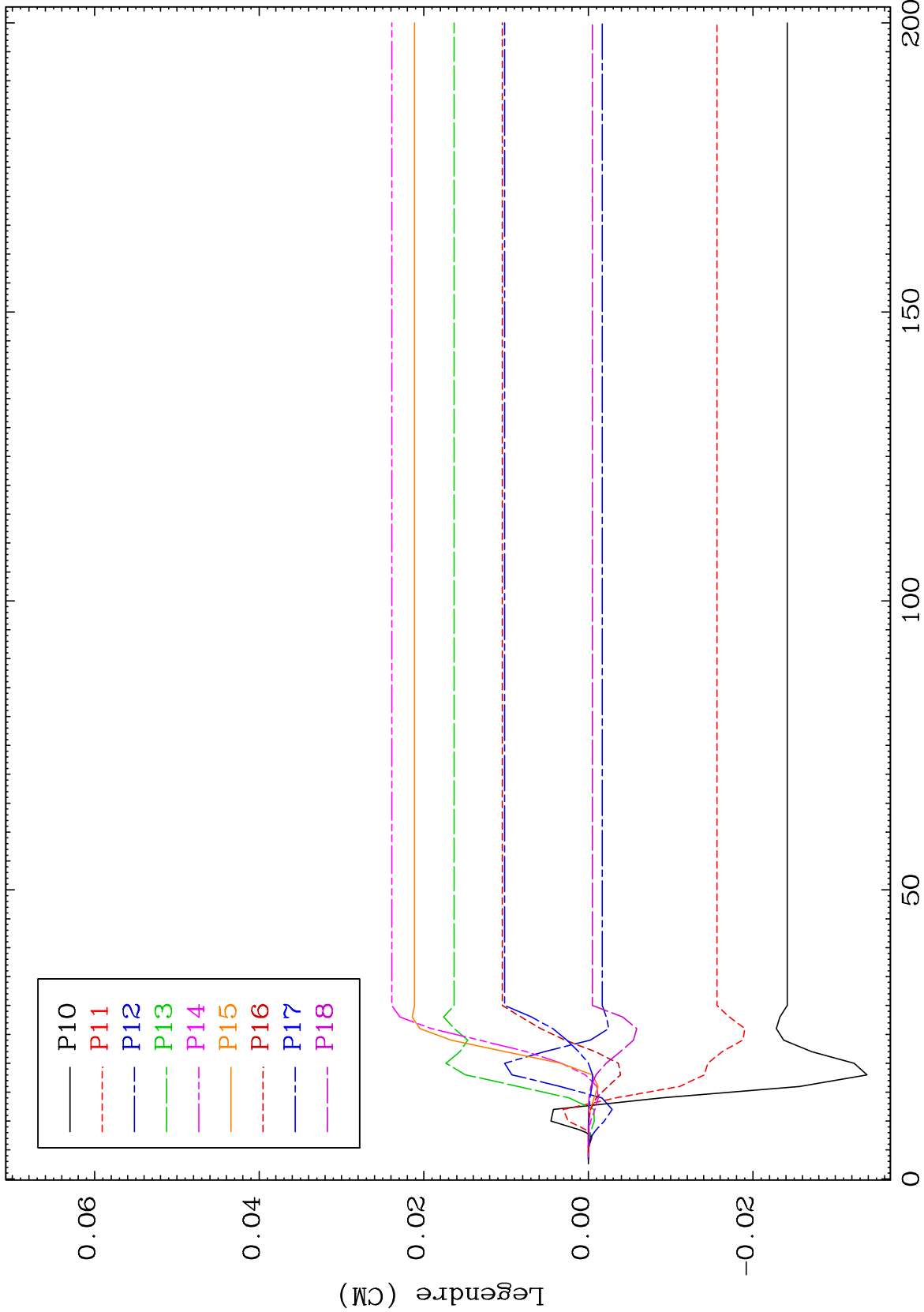
150

200

MAT 7249

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

72-Hf-182



101

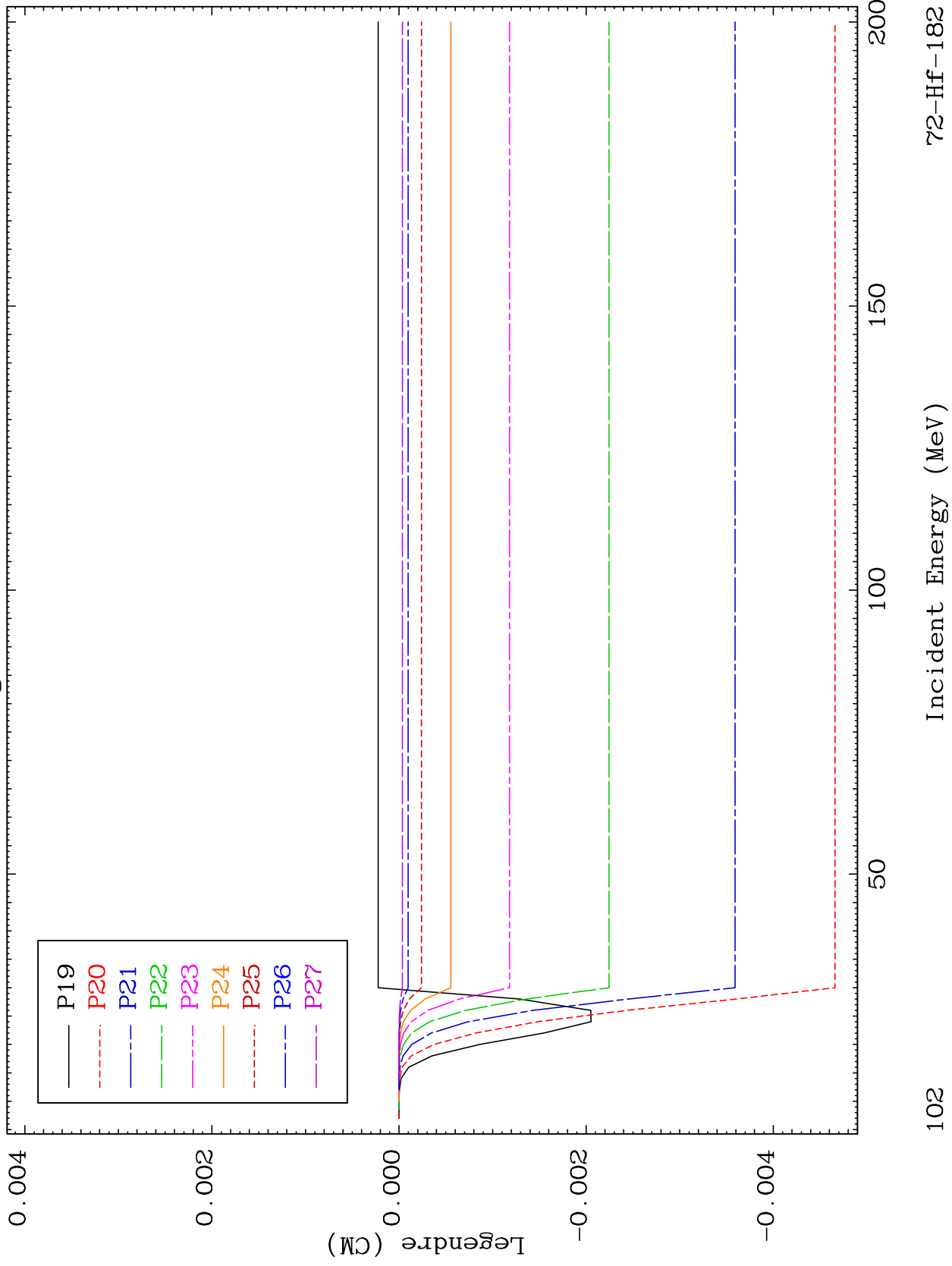
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

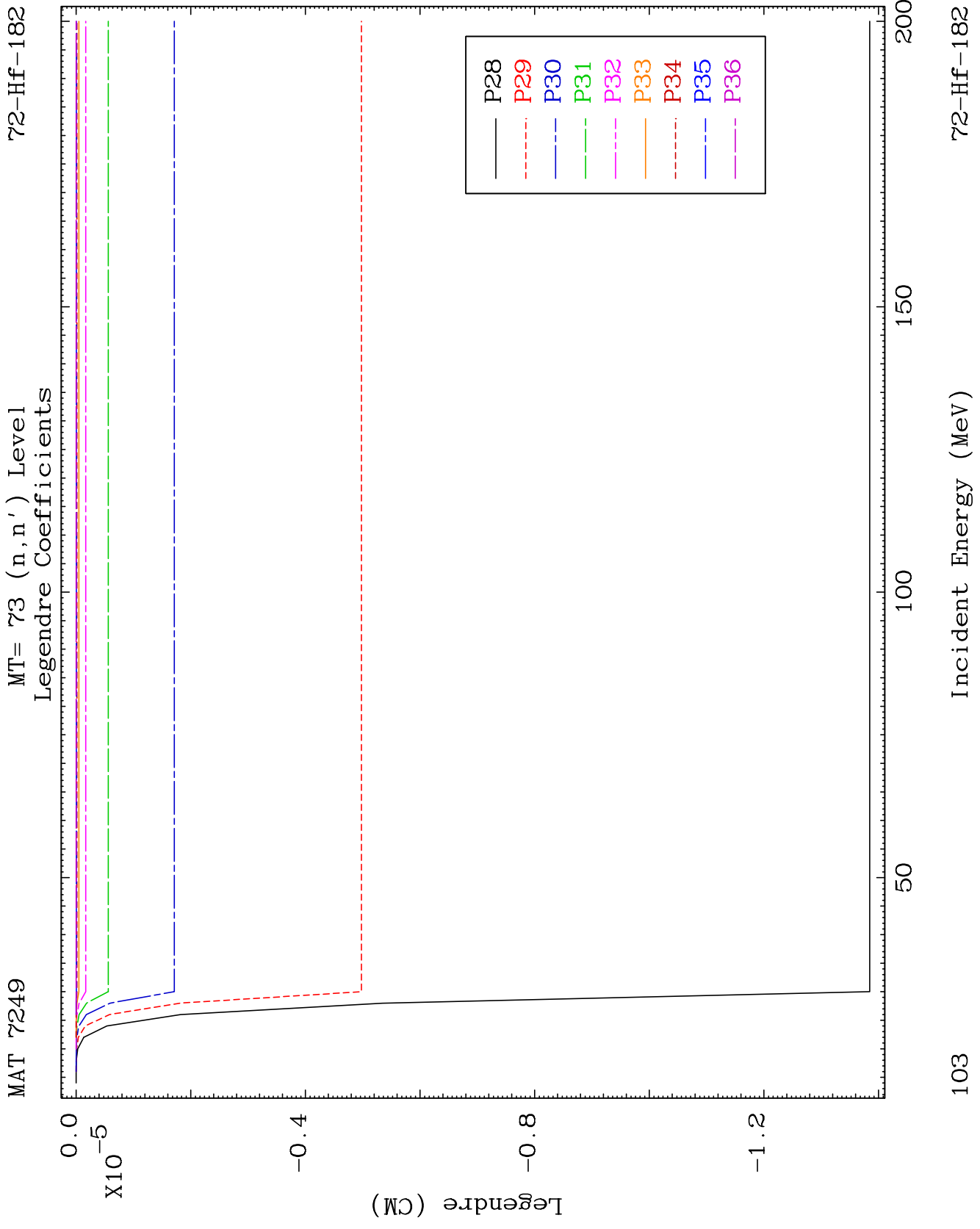
72-Hf-182



102

Incident Energy (MeV)

72-Hf-182

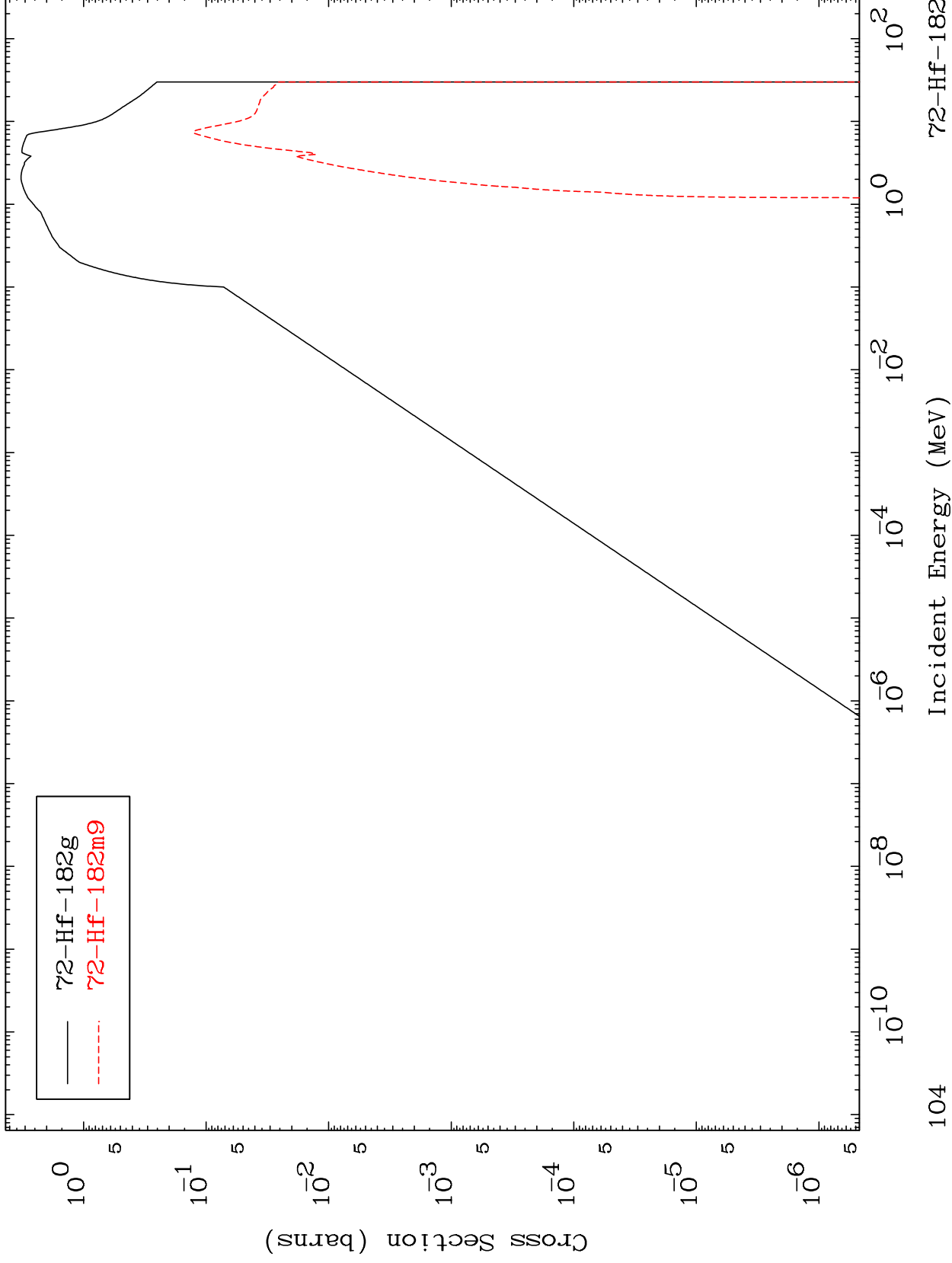




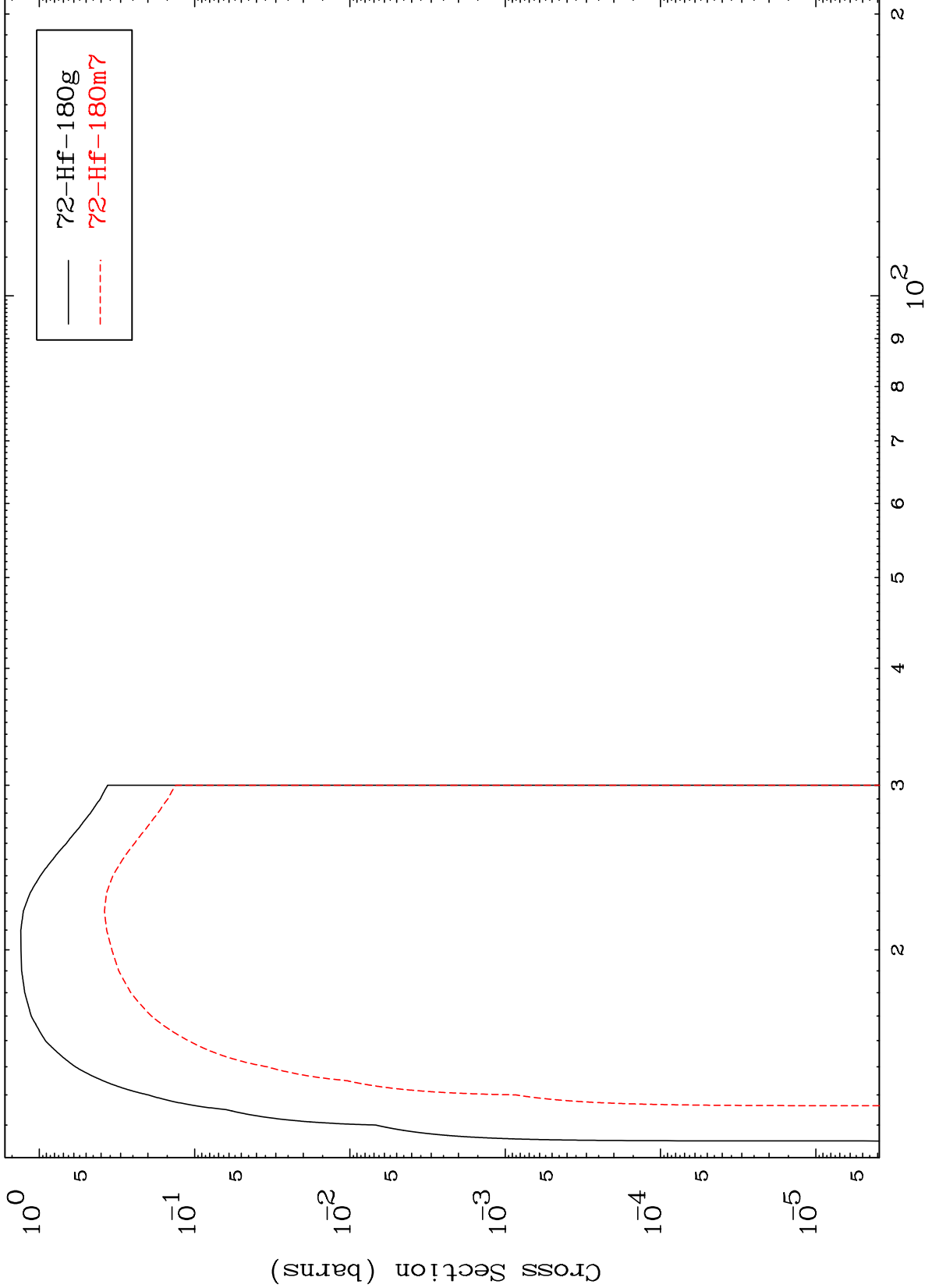
MAT 7249

Inelastic  
Radionuclide Production Cross Section

72-Hf-182



Radionuclide Production Cross Section

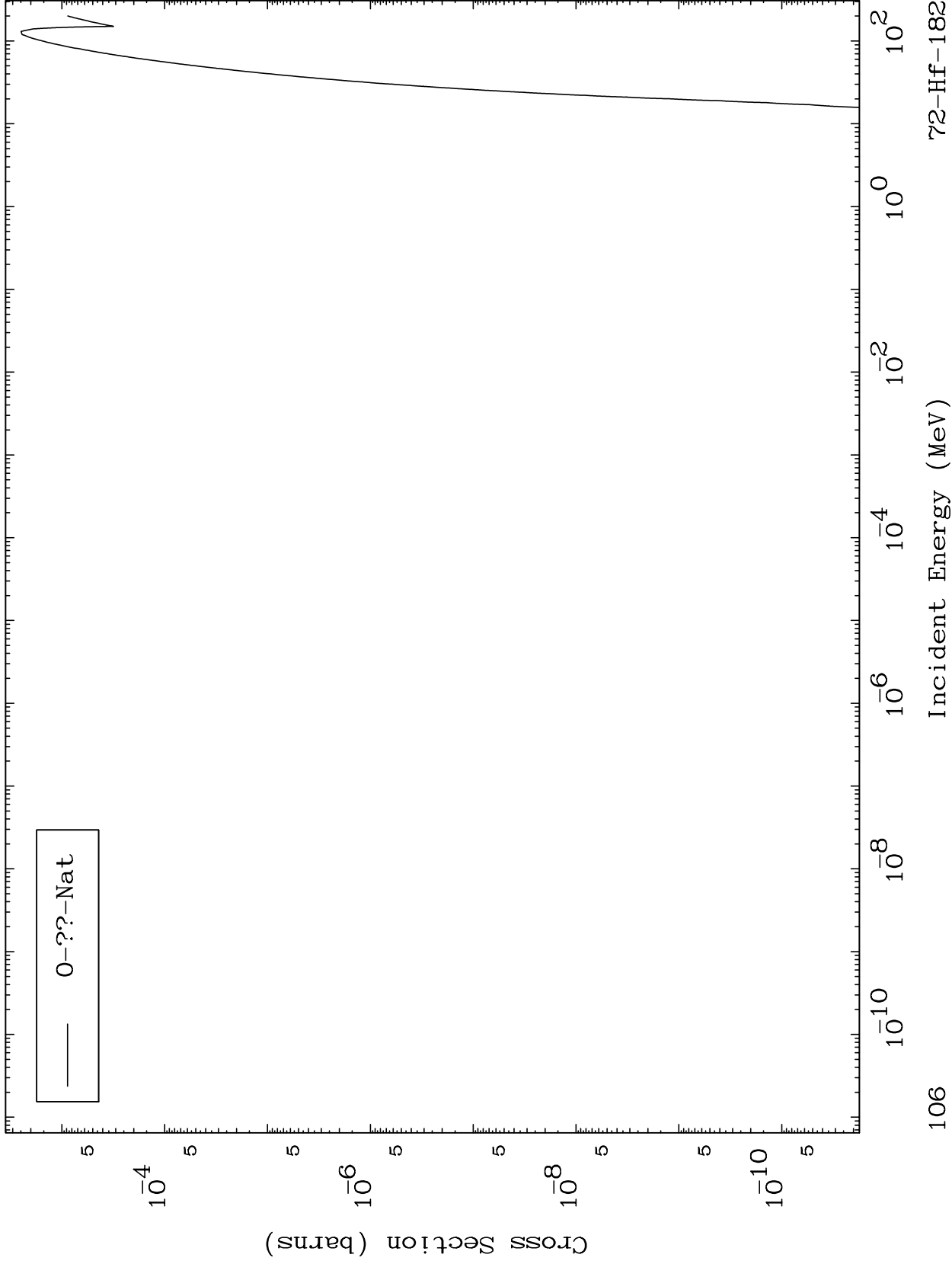


MAT 7249

Fission

72-Hf-182

Radionuclide Production Cross Section

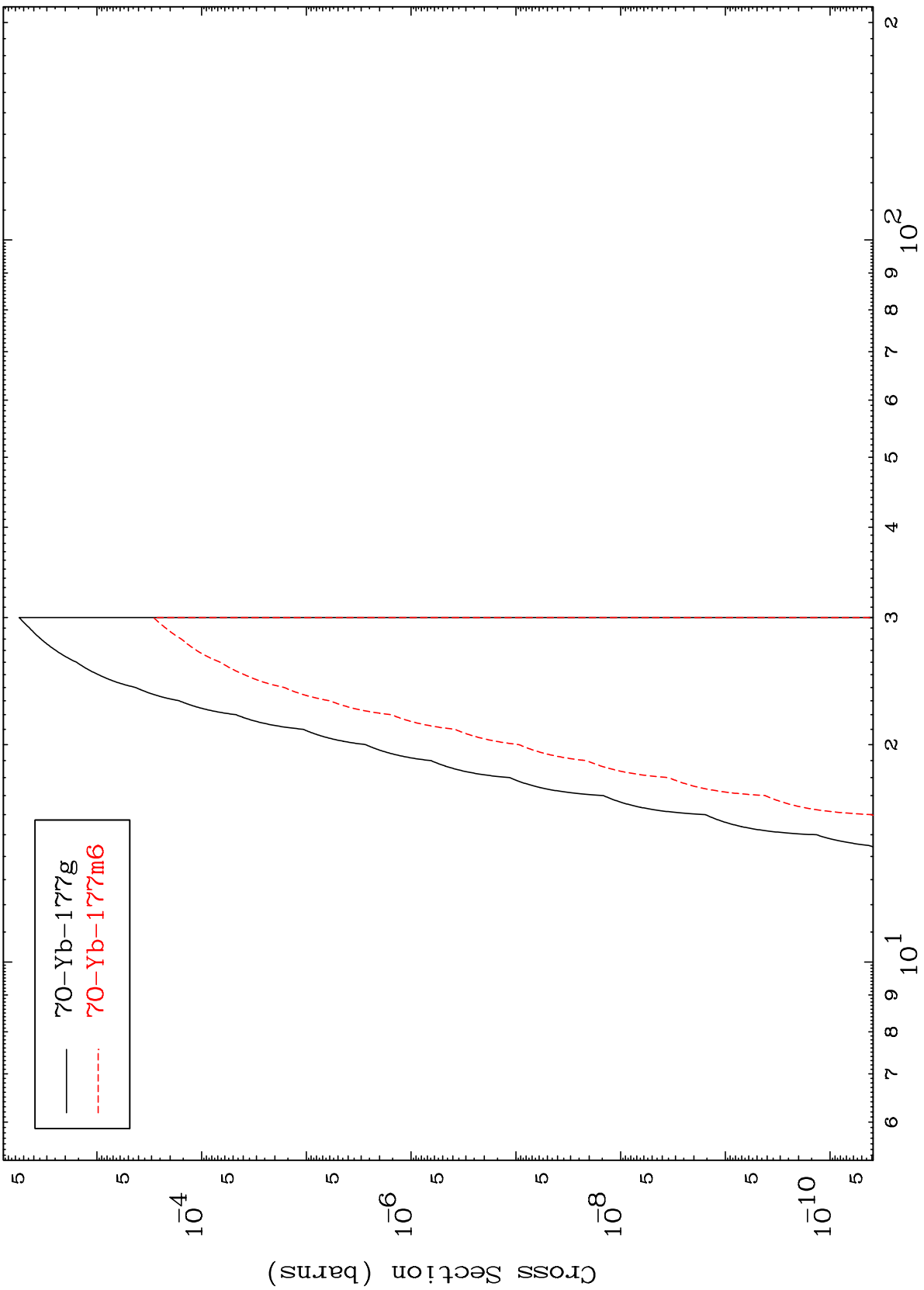


MAT 7249

$(n,2n) \alpha$

72-Hf-182

Radionuclide Production Cross Section



— 70-Yb-177g  
- - - 70-Yb-177m6

107

Incident Energy (MeV)

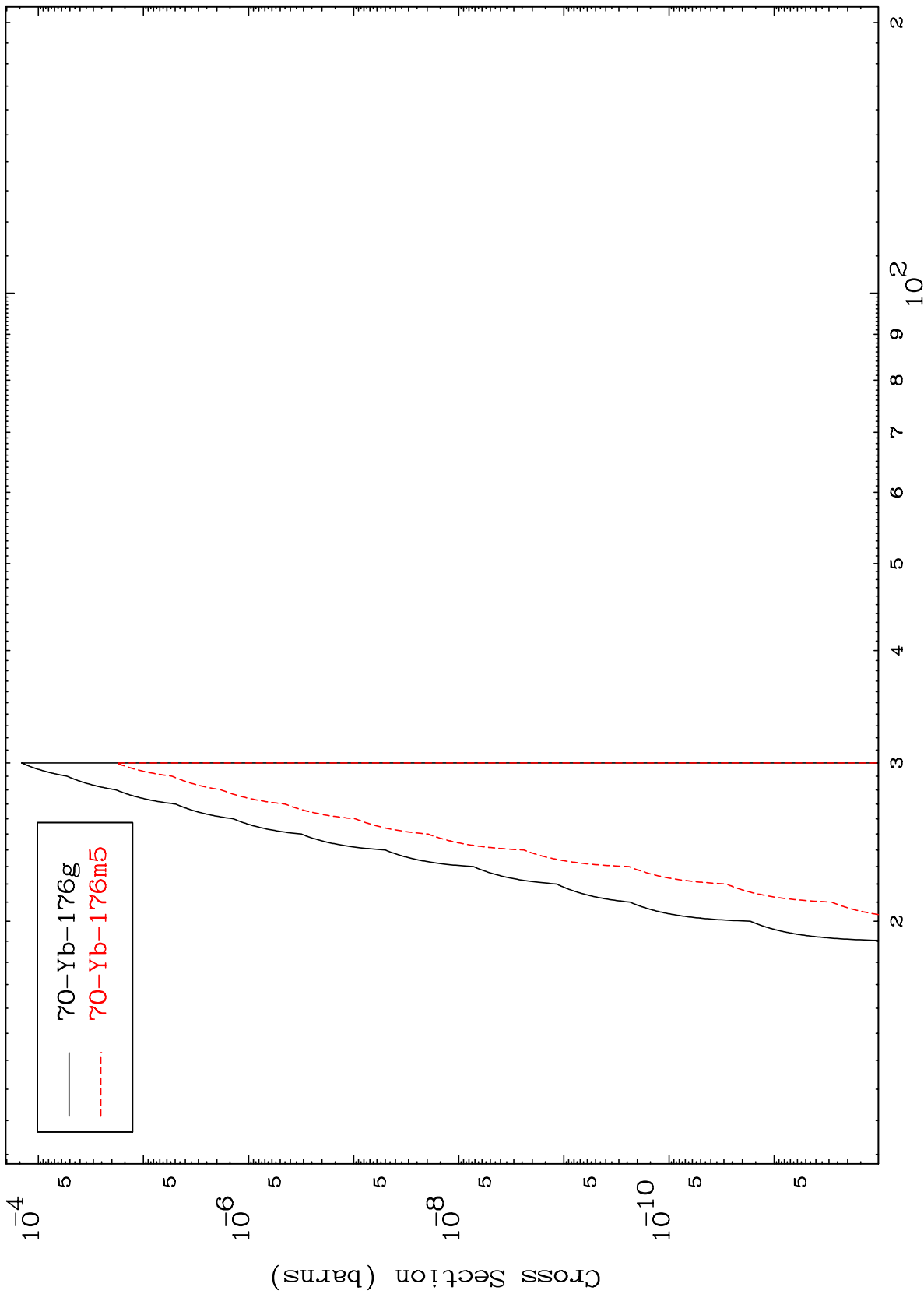
72-Hf-182

MAT 7249

(n,3n)  $\alpha$

72-Hf-182

Radionuclide Production Cross Section



108

Incident Energy (MeV)

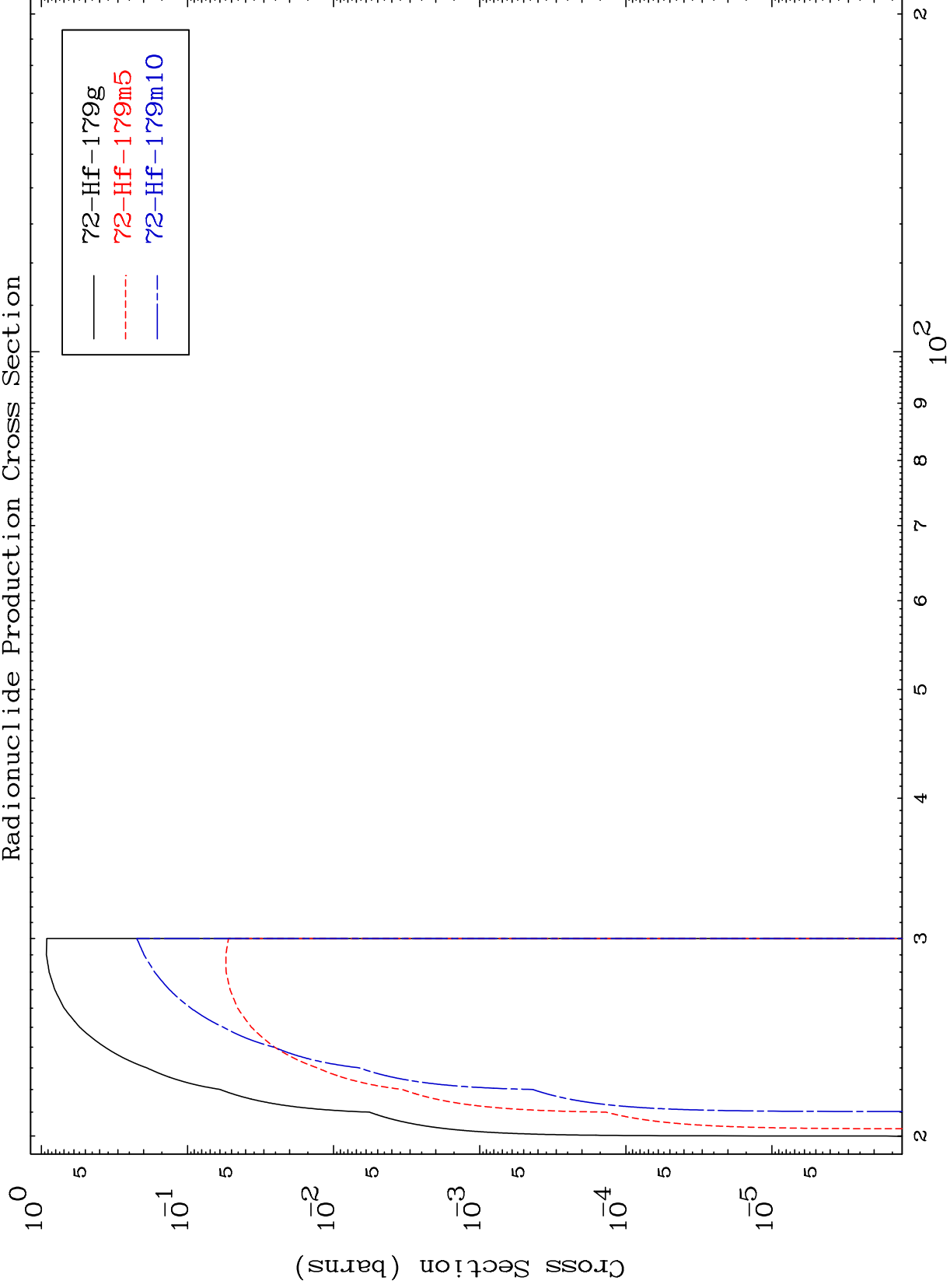
72-Hf-182

MAT 7249

(n,4n)

72-Hf-182

Radionuclide Production Cross Section



109

Incident Energy (MeV)

72-Hf-182