

Program EVALPLOT
(Version 2021-1)

by

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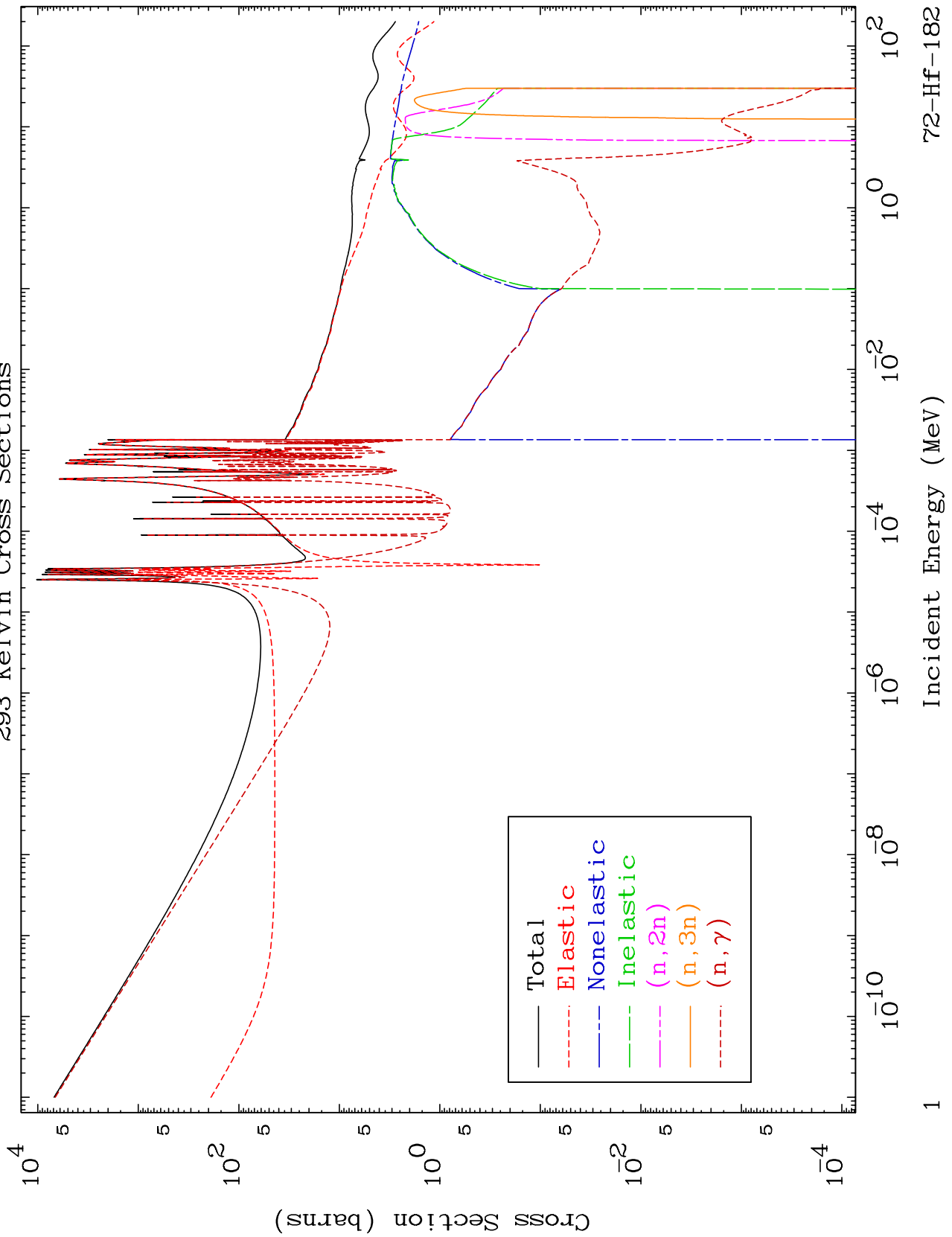
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7249

Neutron Major
293 Kelvin Cross Sections

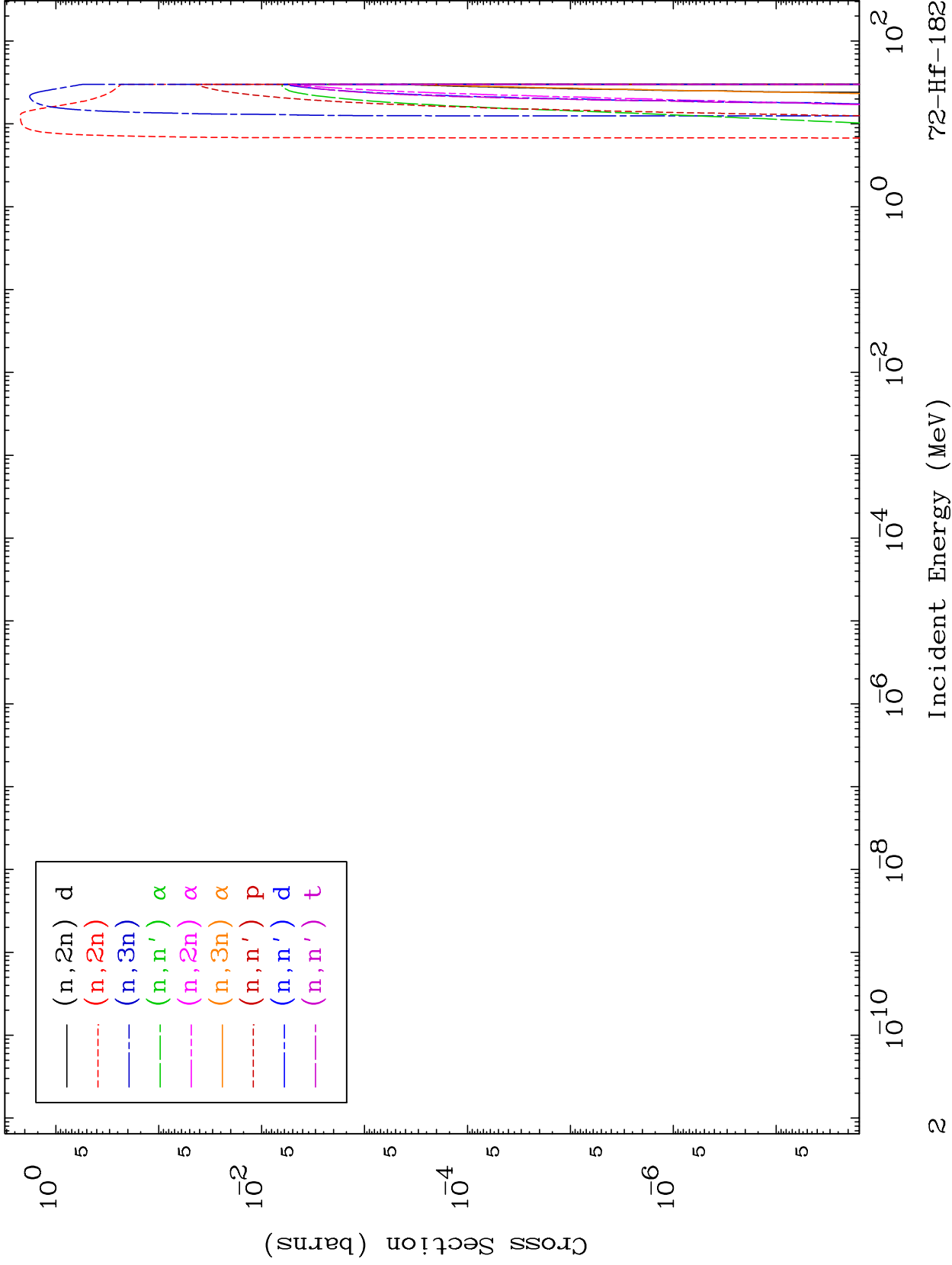
72-Hf-182



MAT 7249

Neutron Absorption
293 Kelvin Cross Sections

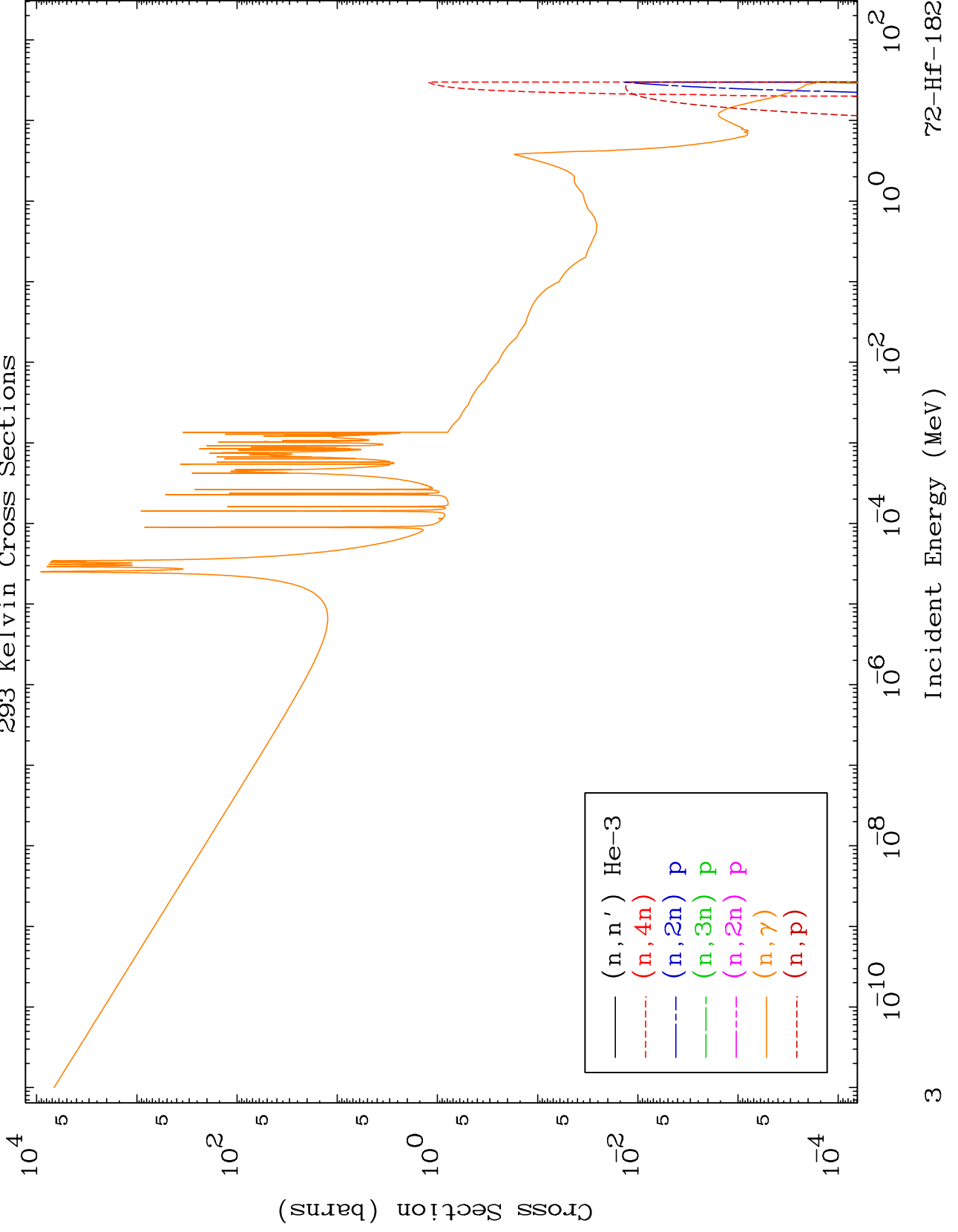
72-Hf-182



MAT 7249

Neutron Absorption
293 Kelvin Cross Sections

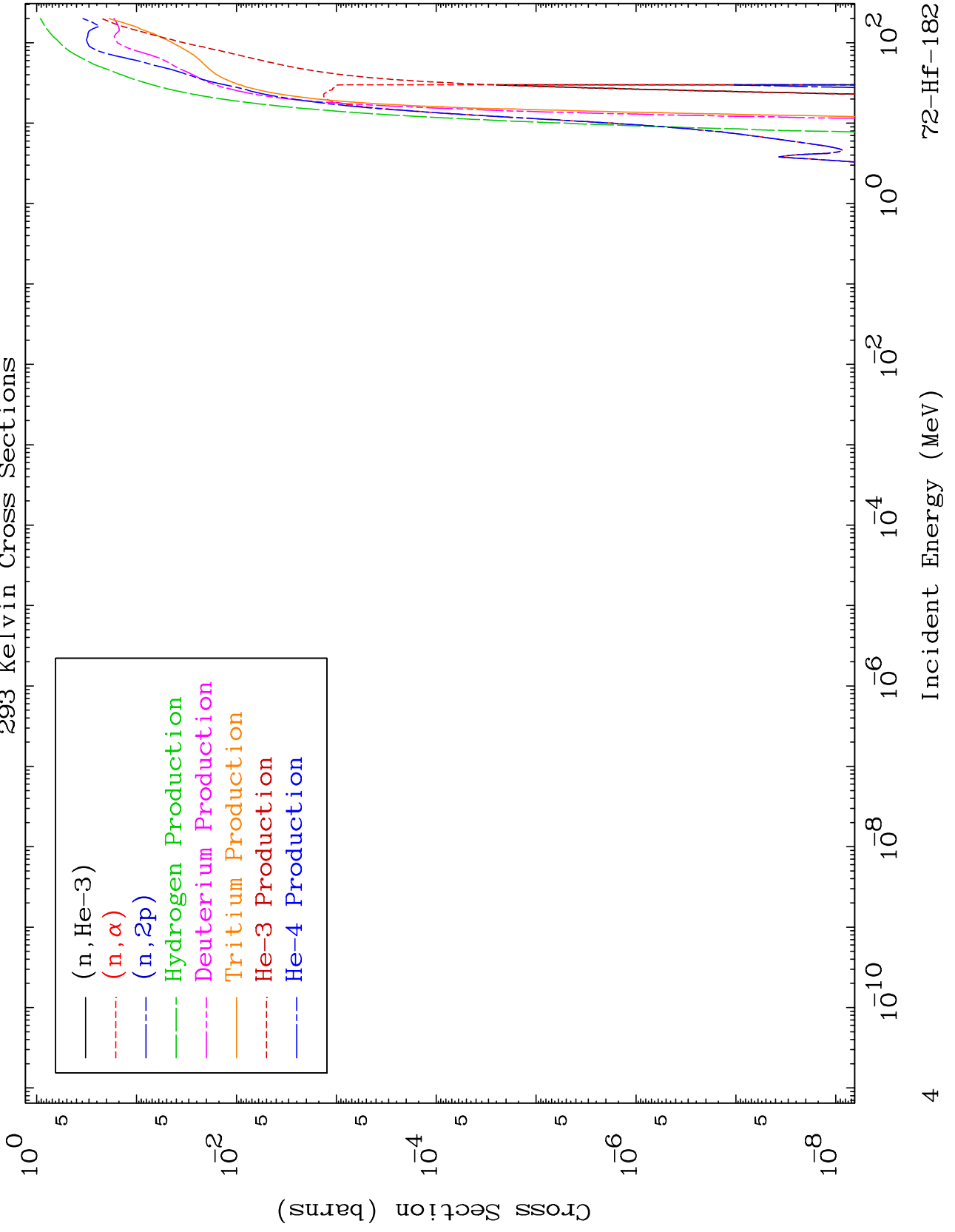
72-Hf-182



MAT 7249

Neutron Absorption
293 Kelvin Cross Sections

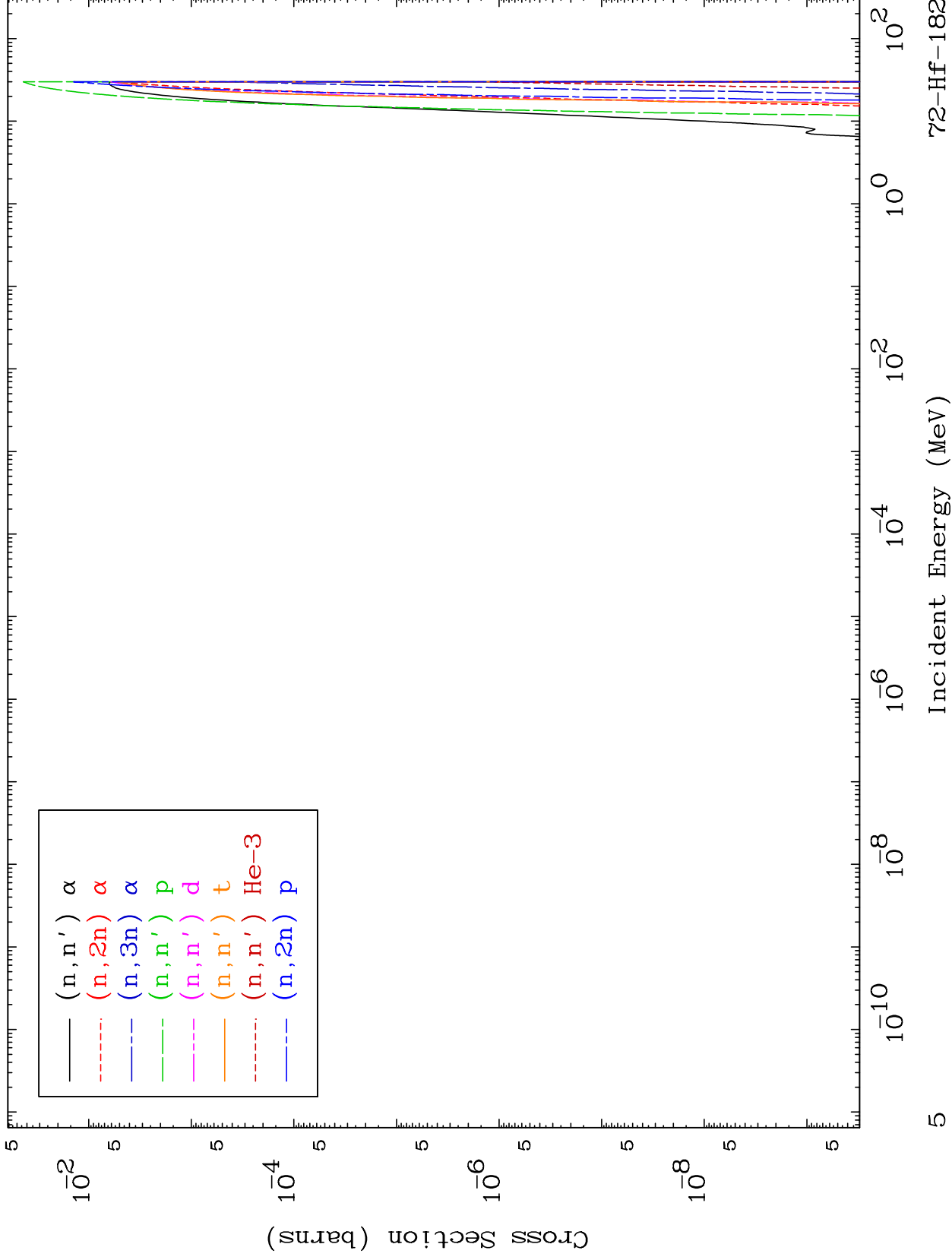
72-Hf-182



MAT 7249

Charged Particle
293 Kelvin Cross Sections

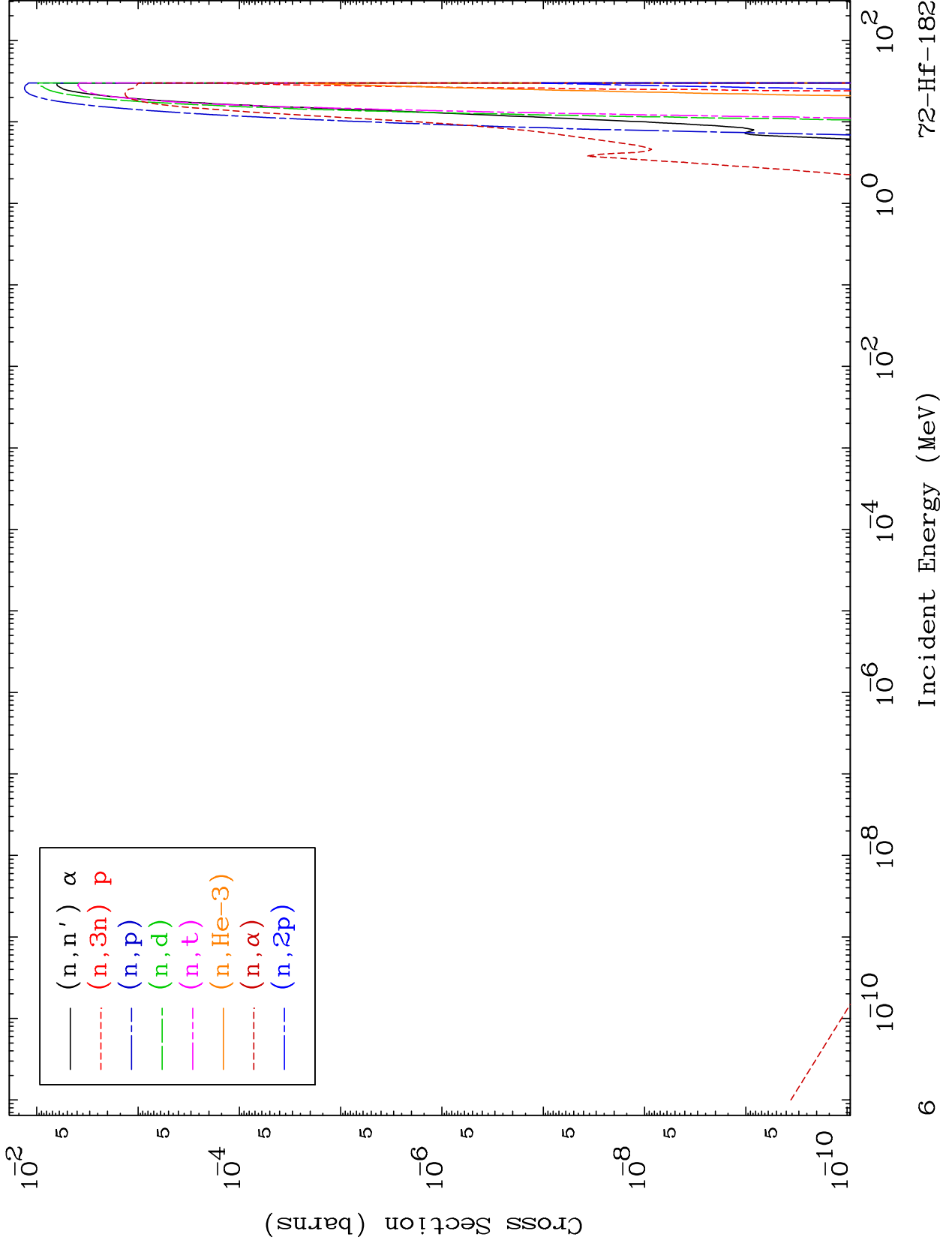
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MAT 7249

Charged Particle
293 Kelvin Cross Sections

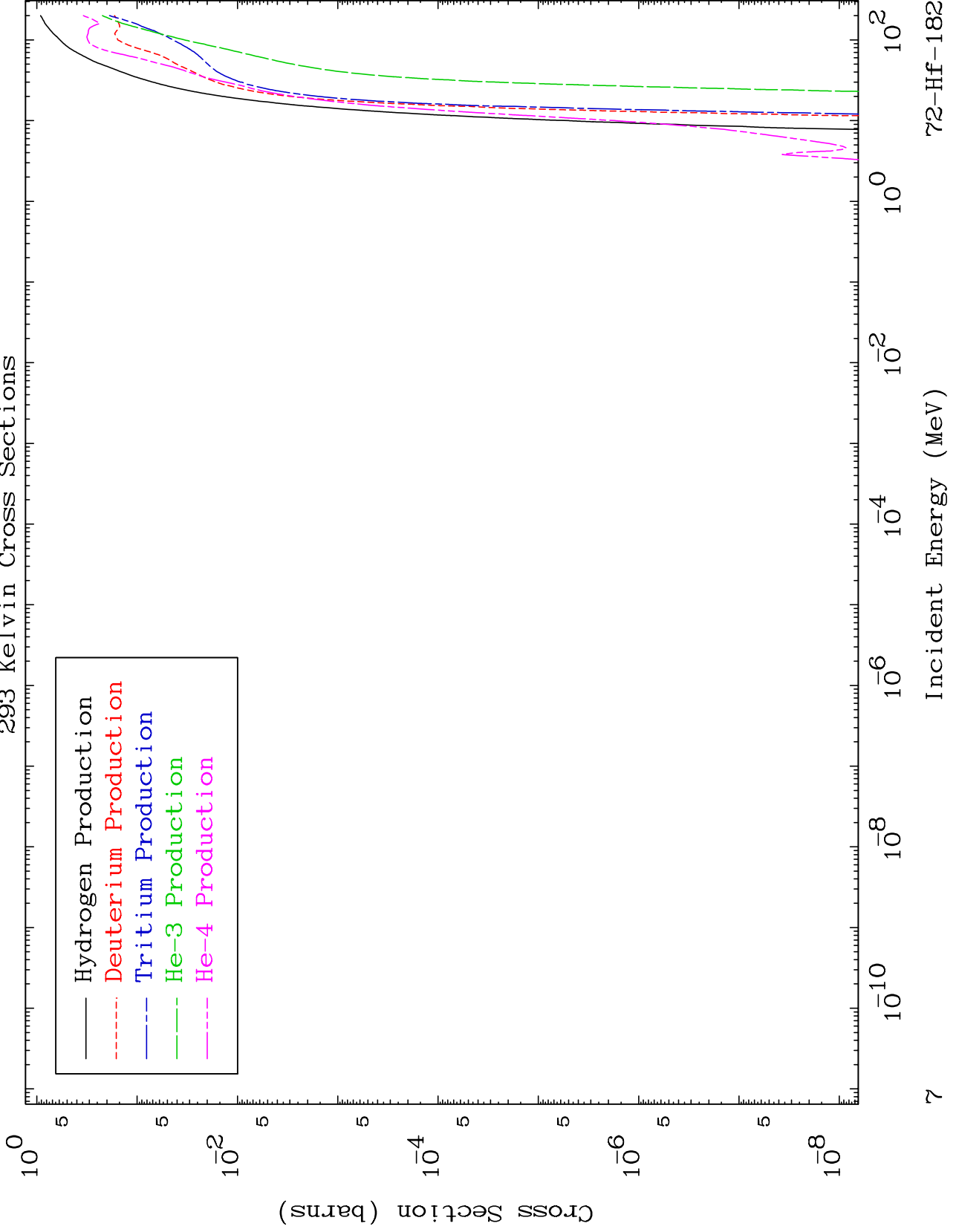
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MAT 7249

Particle Production
293 Kelvin Cross Sections

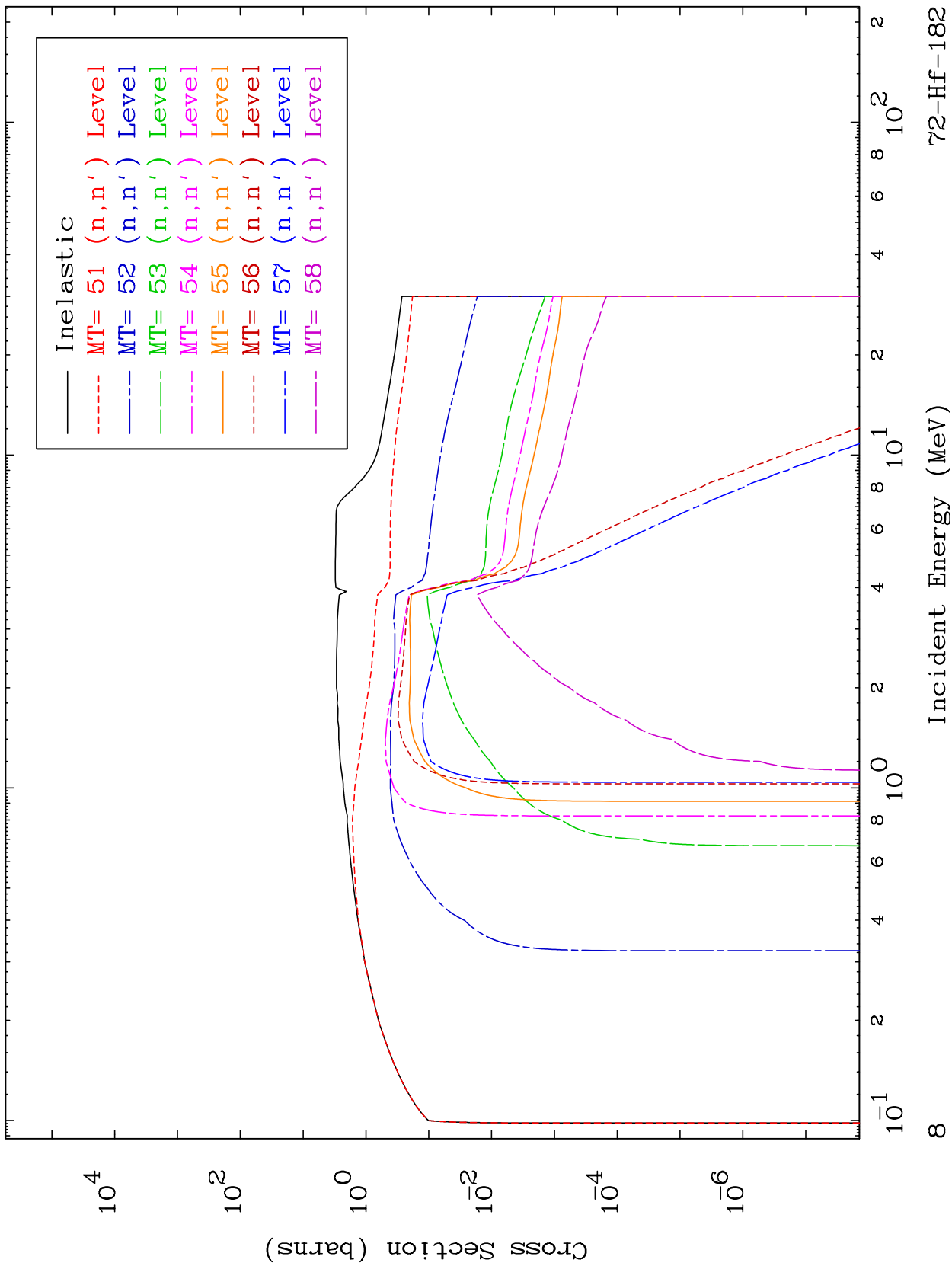
72-Hf-182



MAT 7249

(n,n') Levels
293 Kelvin Cross Sections

72-Hf-182



72-Hf-182

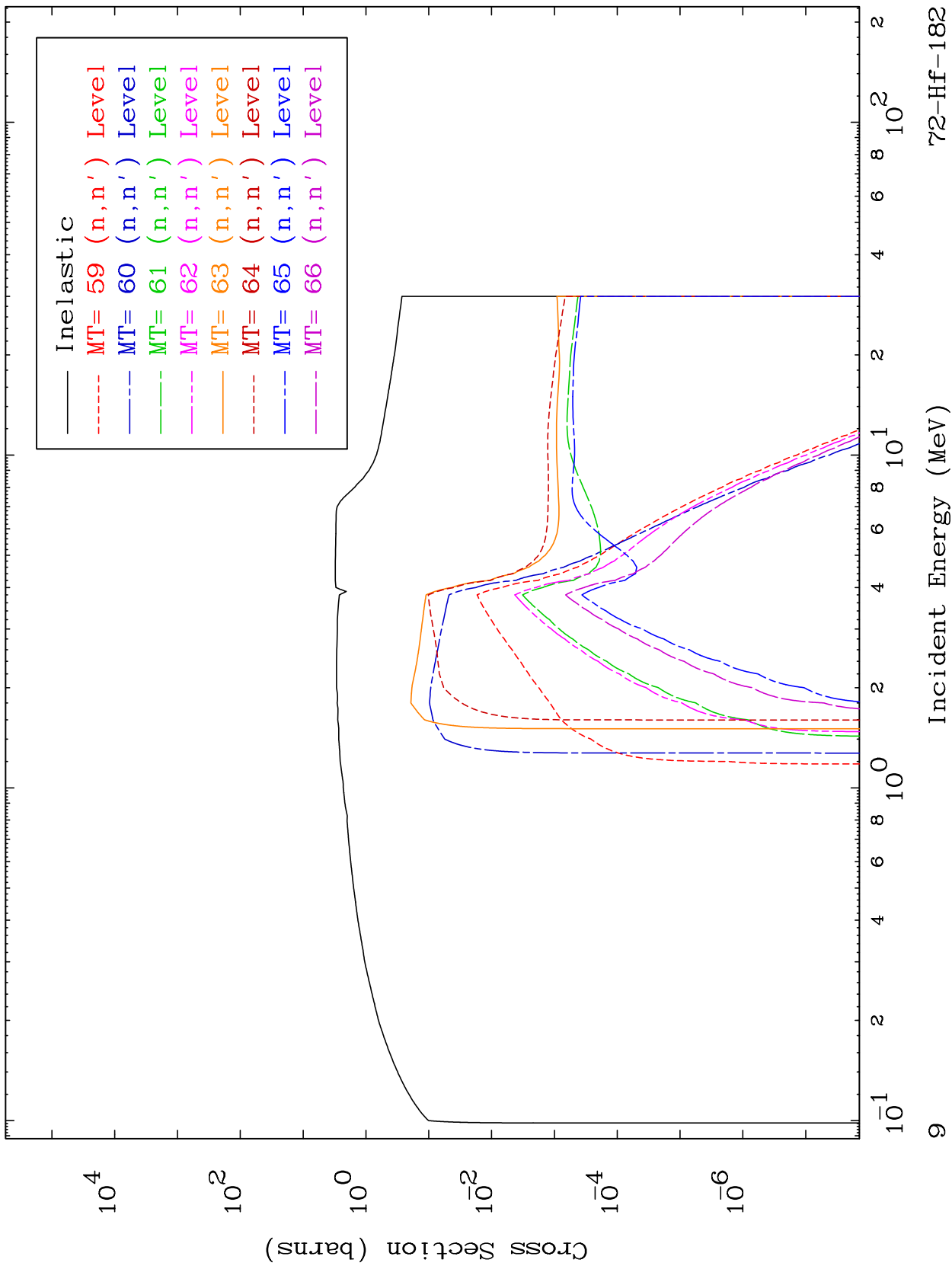
Incident Energy (MeV)

8

MAT 7249

(n,n') Levels
293 Kelvin Cross Sections

72-Hf-182



72-Hf-182

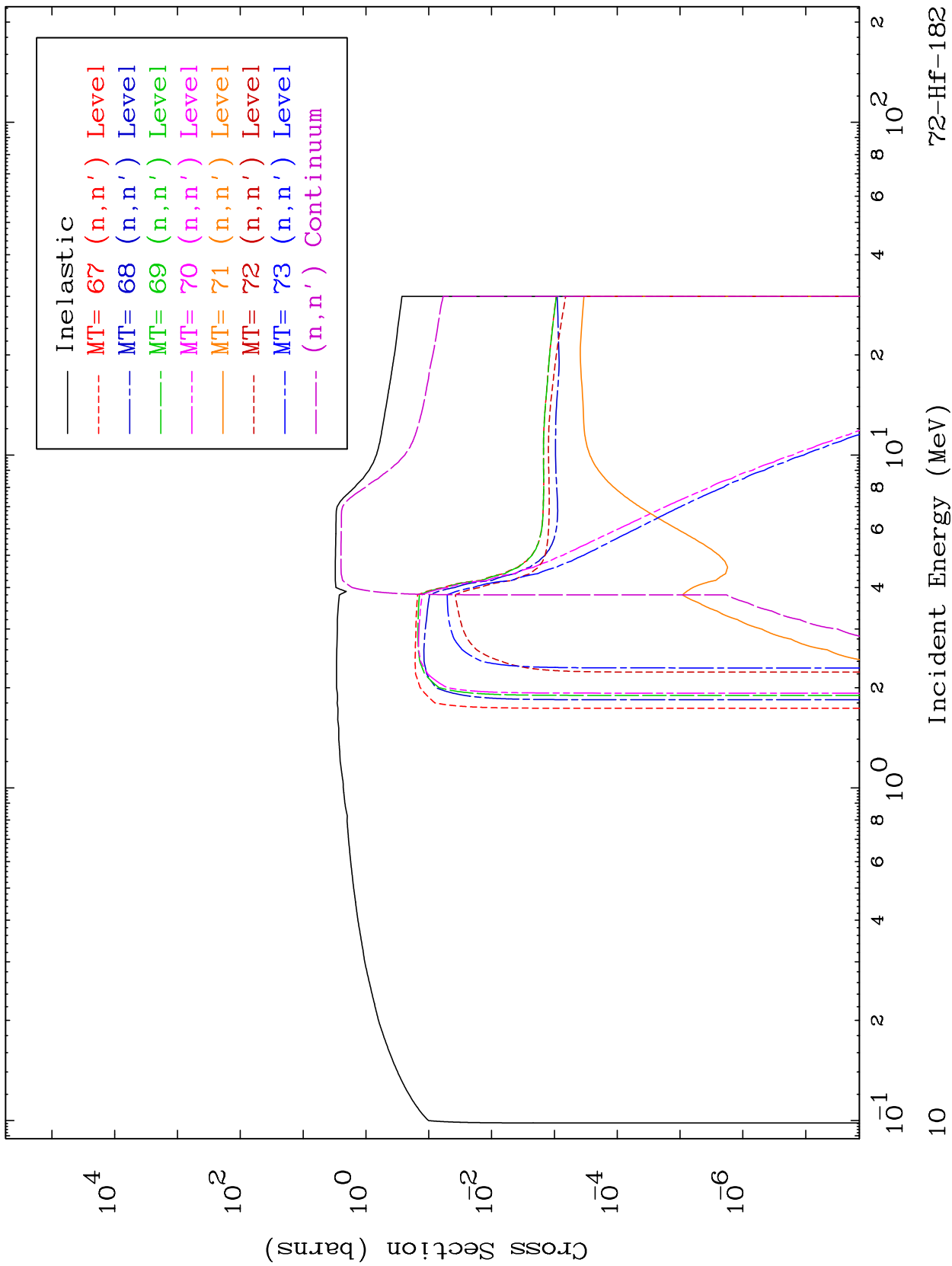
Incident Energy (MeV)

9

MAT 7249

(n,n') Levels
293 Kelvin Cross Sections

72-Hf-182



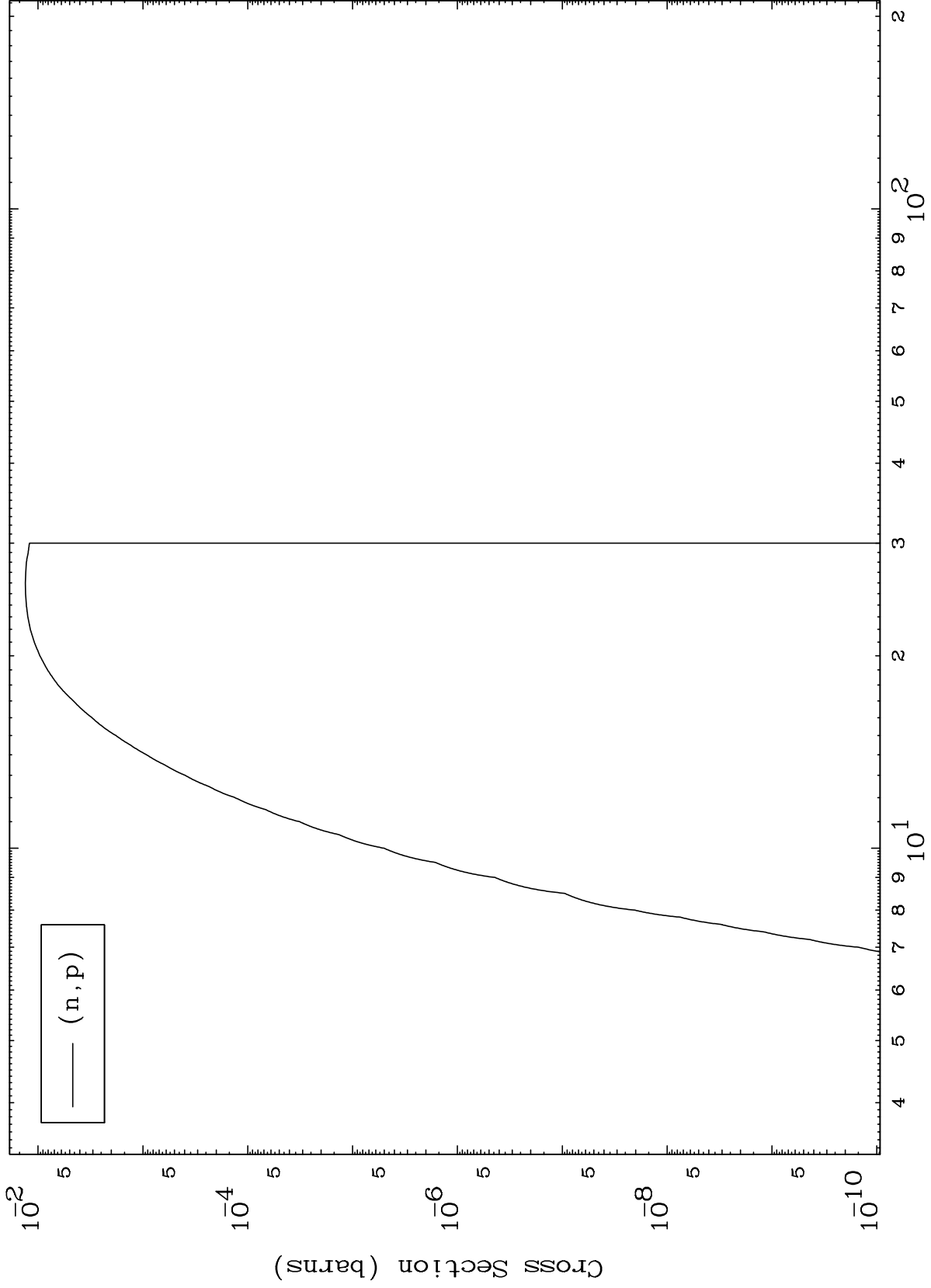
72-Hf-182

Incident Energy (MeV)

MAT 7249

(n,p) Levels
293 Kelvin Cross Sections

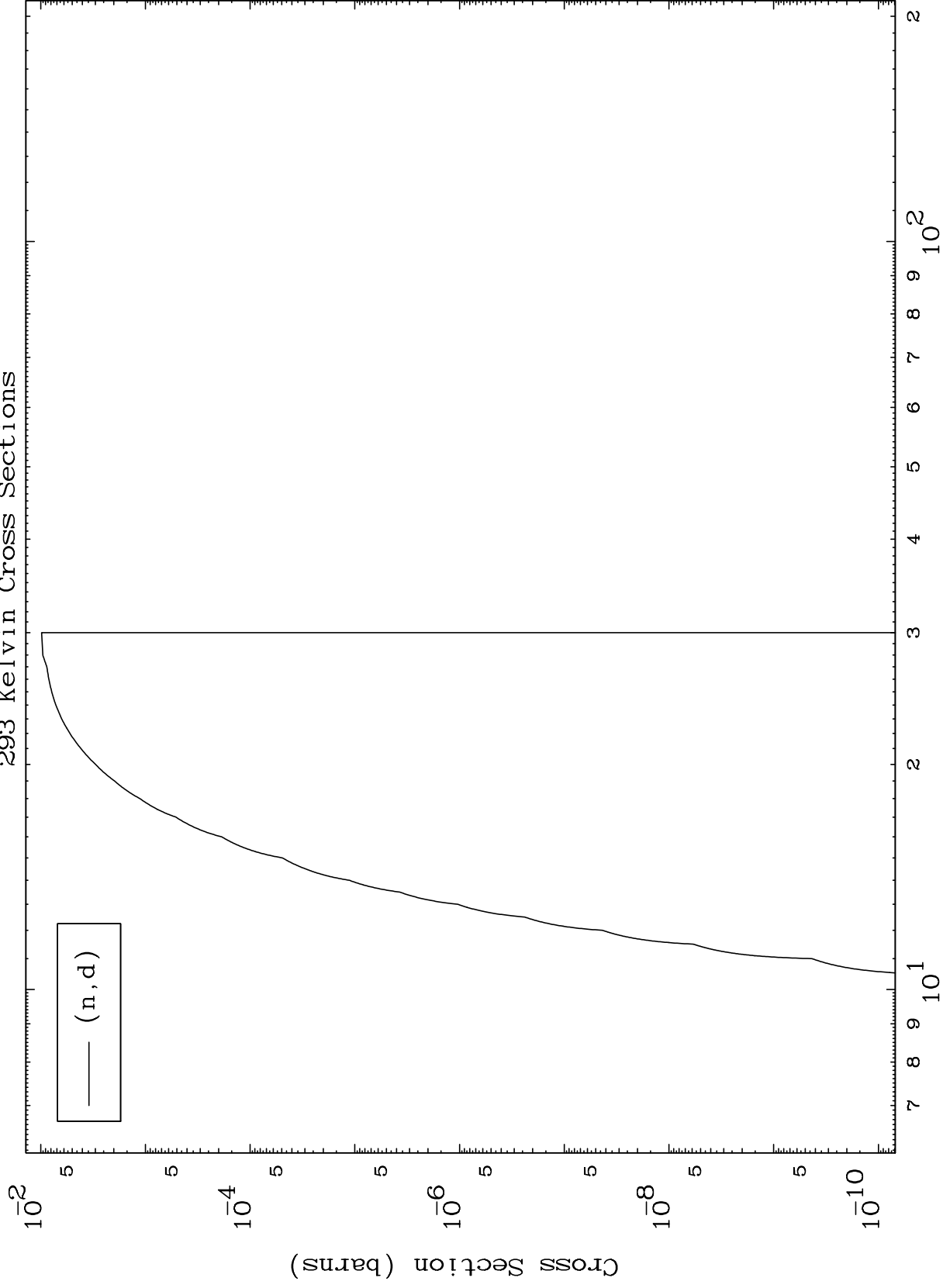
72-Hf-182



MAT 7249

(n,d) Levels
293 Kelvin Cross Sections

72-Hf-182



12

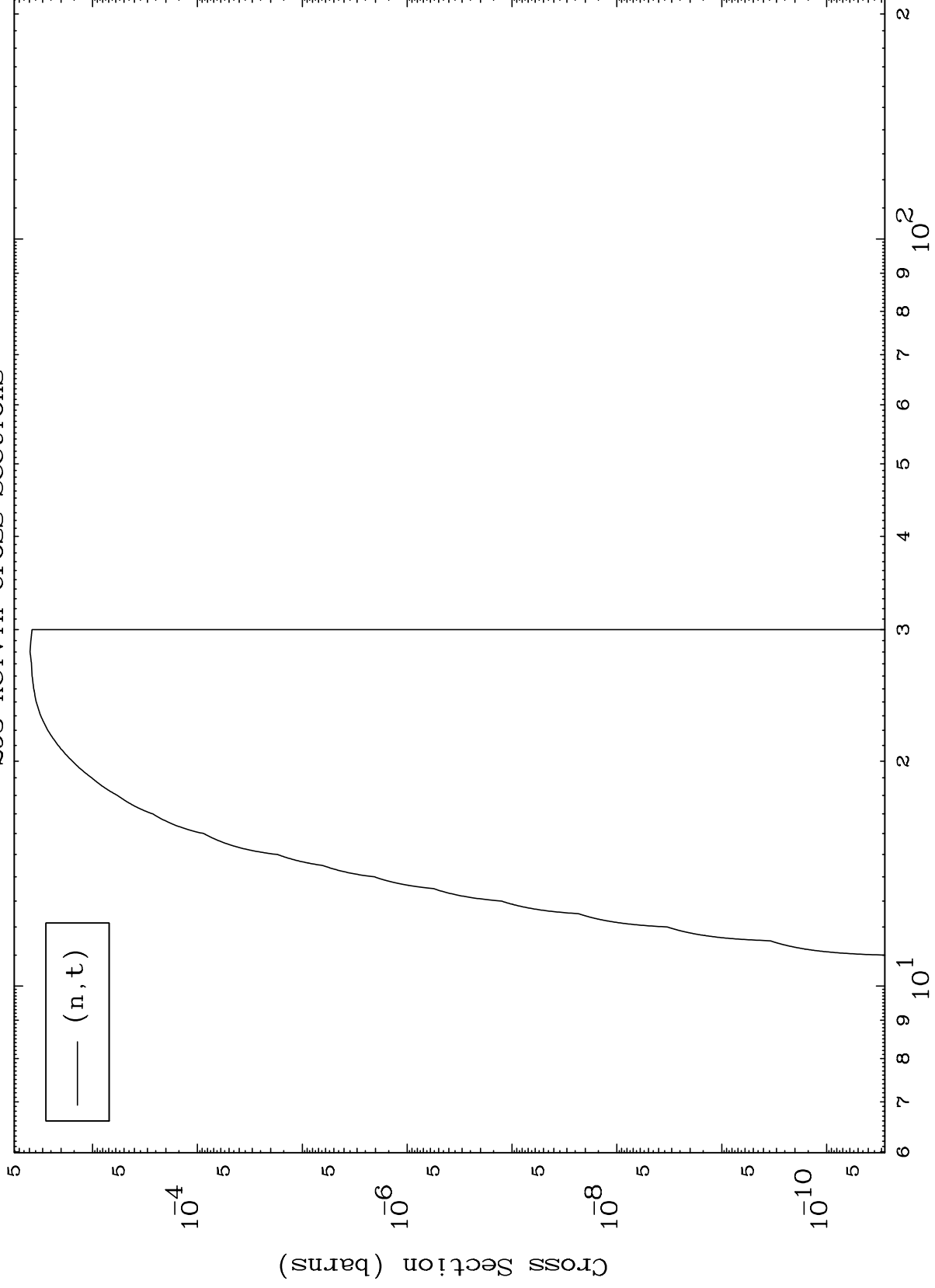
Incident Energy (MeV)

72-Hf-182

MAT 7249

(n,t) Levels
293 Kelvin Cross Sections

72-Hf-182



Incident Energy (MeV)

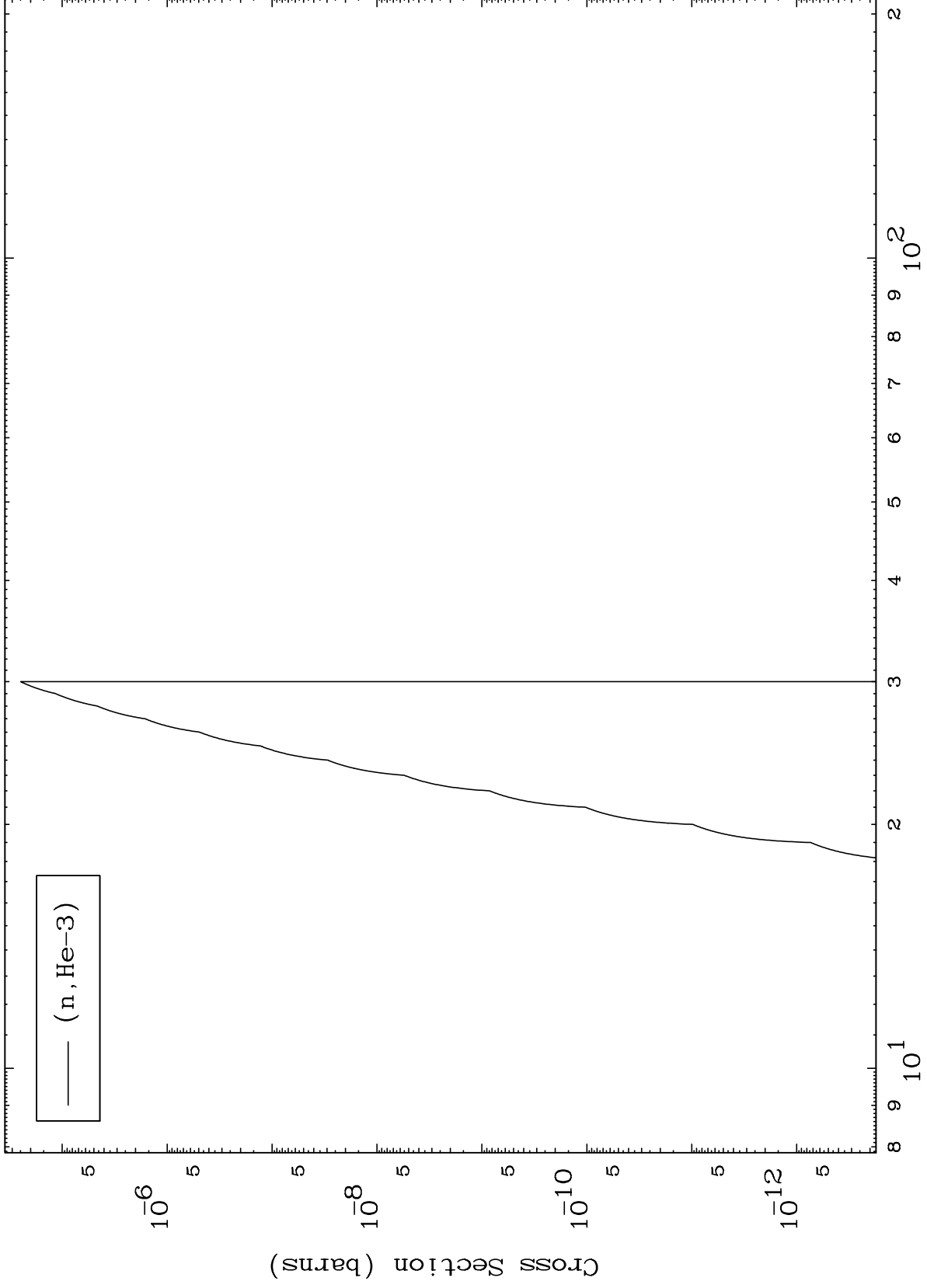
72-Hf-182

13

MAT 7249

(n,He3) Levels
293 Kelvin Cross Sections

72-Hf-182



14

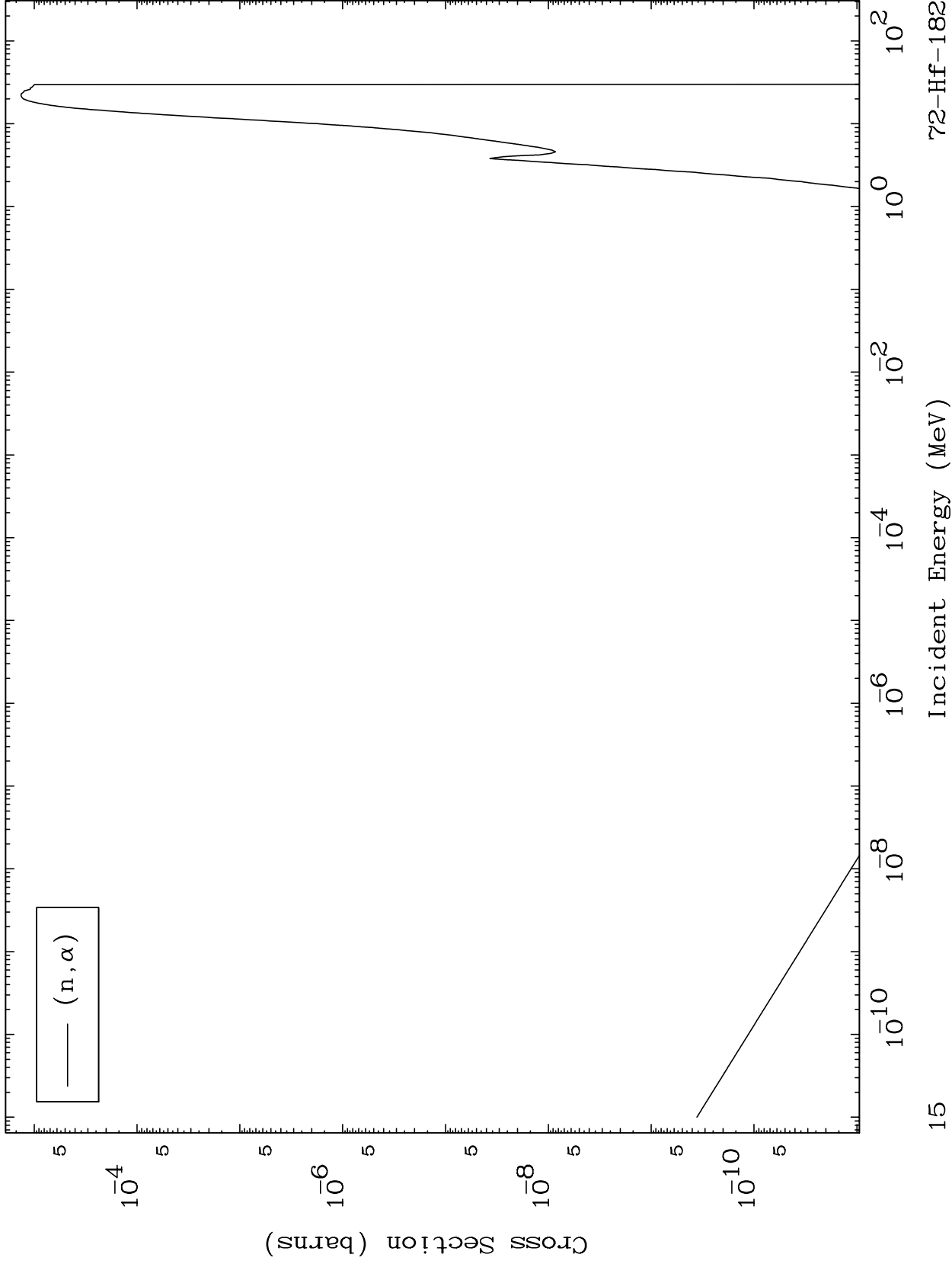
Incident Energy (MeV)

72-Hf-182

MAT 7249

(n, α) Levels
293 Kelvin Cross Sections

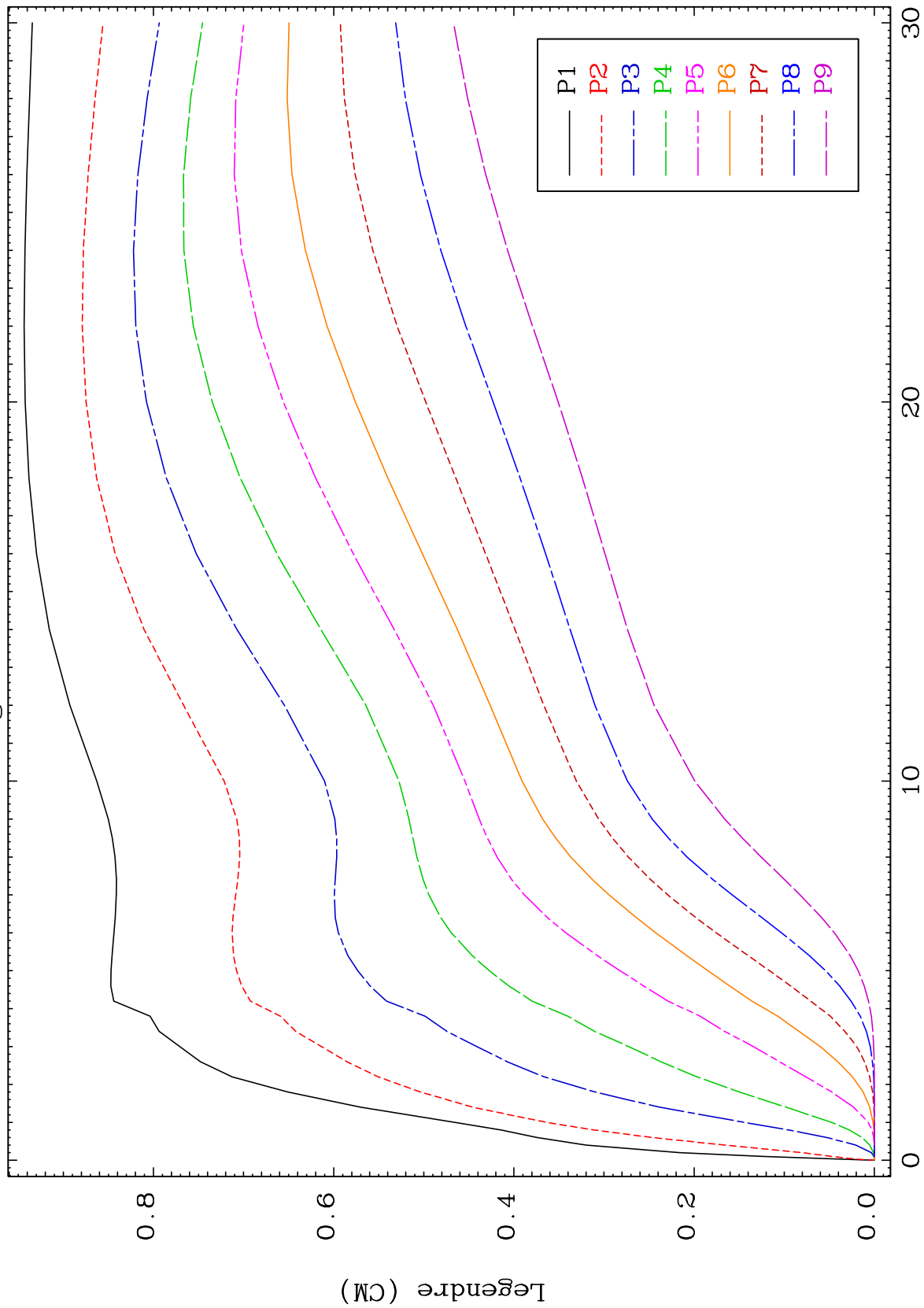
72-Hf-182



MAT 7249

Elastic Legendre Coefficients

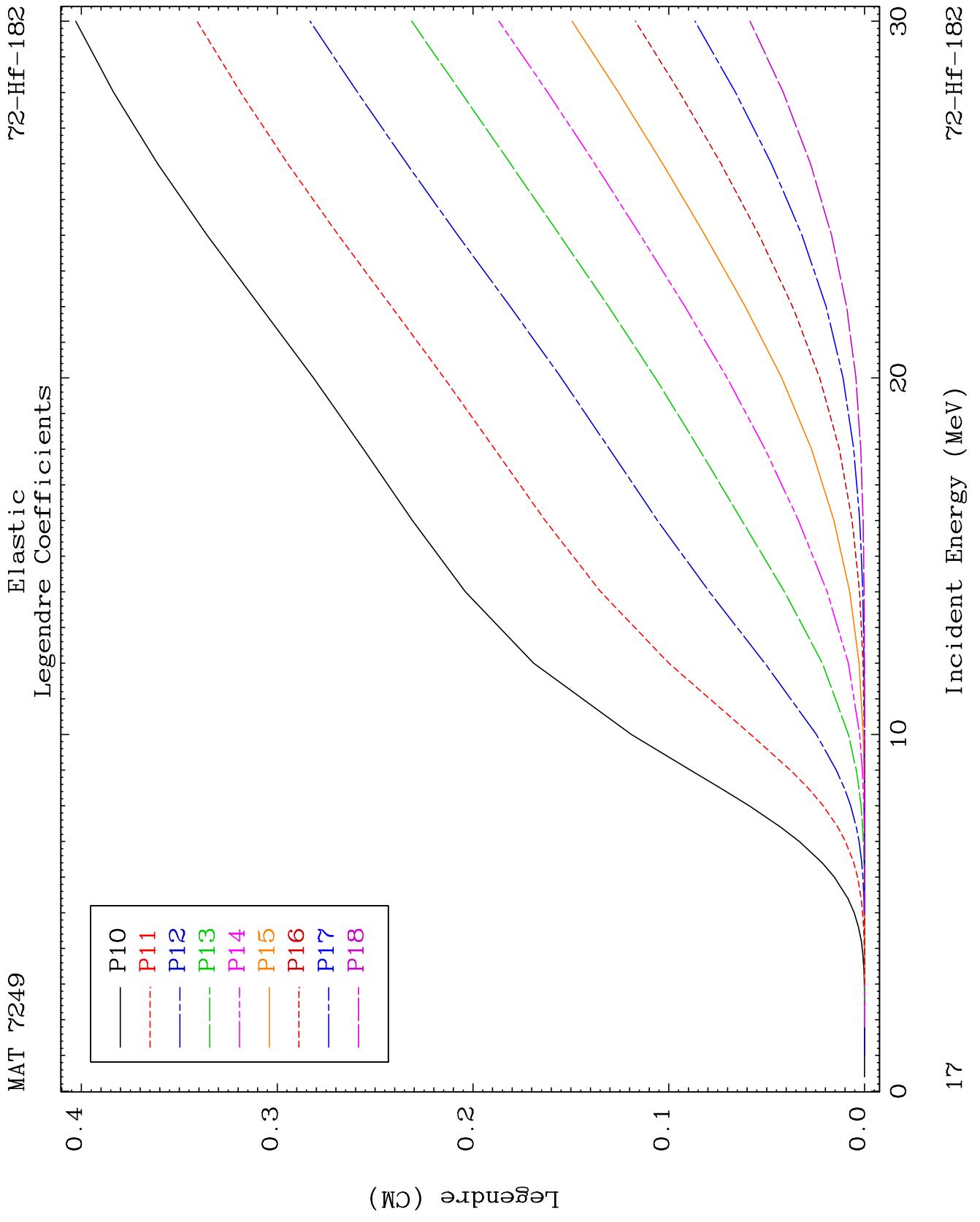
72-Hf-182



16

Incident Energy (MeV)

72-Hf-182



MAT 7249

Elastic Legendre Coefficients

72-Hf-182

17

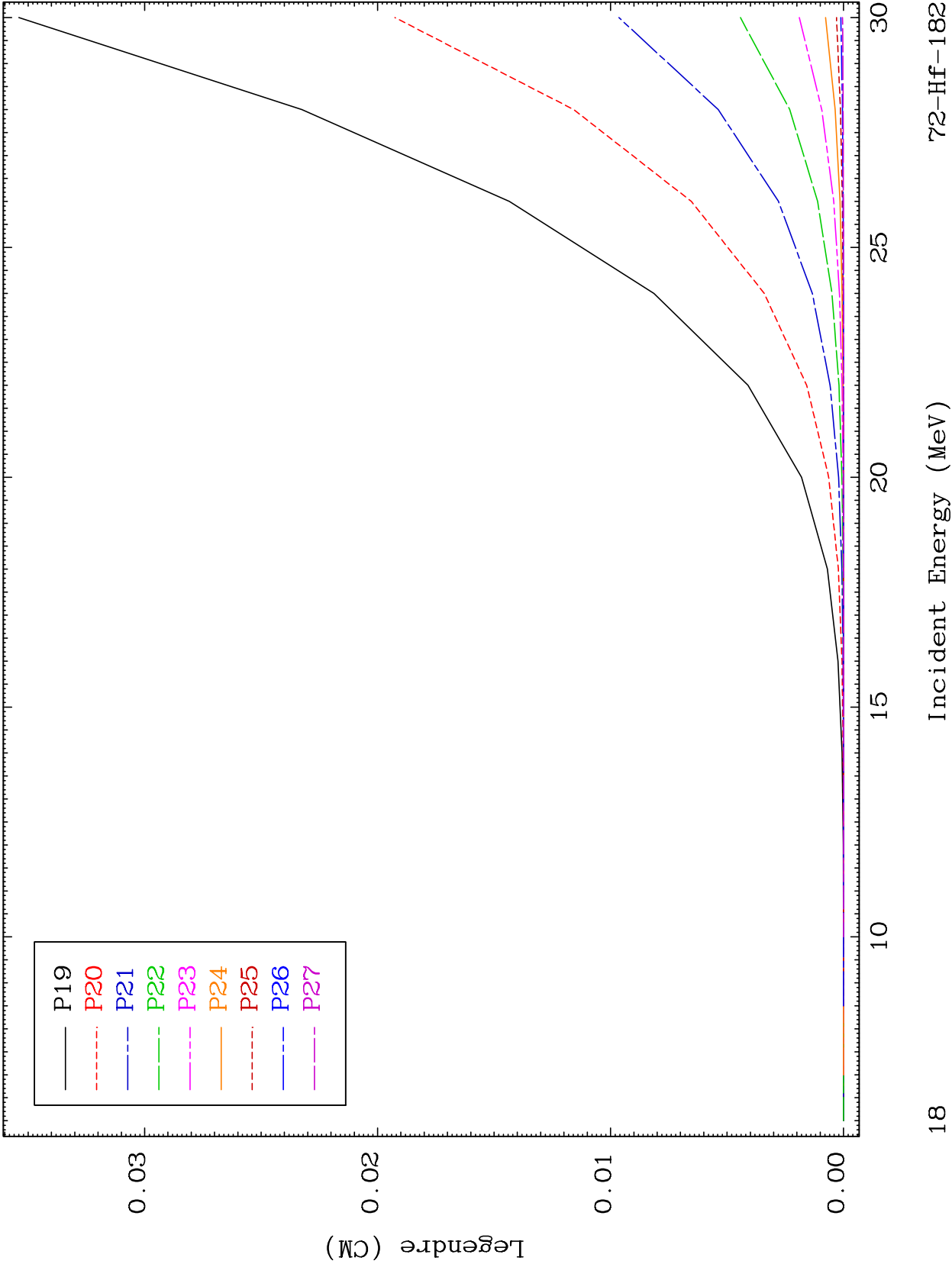
Incident Energy (MeV)

72-Hf-182

MAT 7249

Elastic Legendre Coefficients

72-Hf-182



18

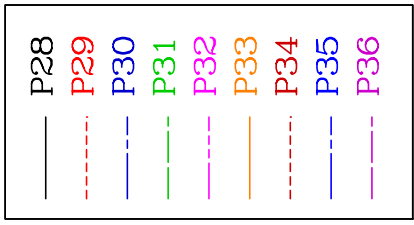
Incident Energy (MeV)

72-Hf-182

MAT 7249

Elastic
Legendre Coefficients

72-Hf-182



$\times 10^{-5}$

1.2

0.8

0.4

0.0

Legendre (CM)

15

20

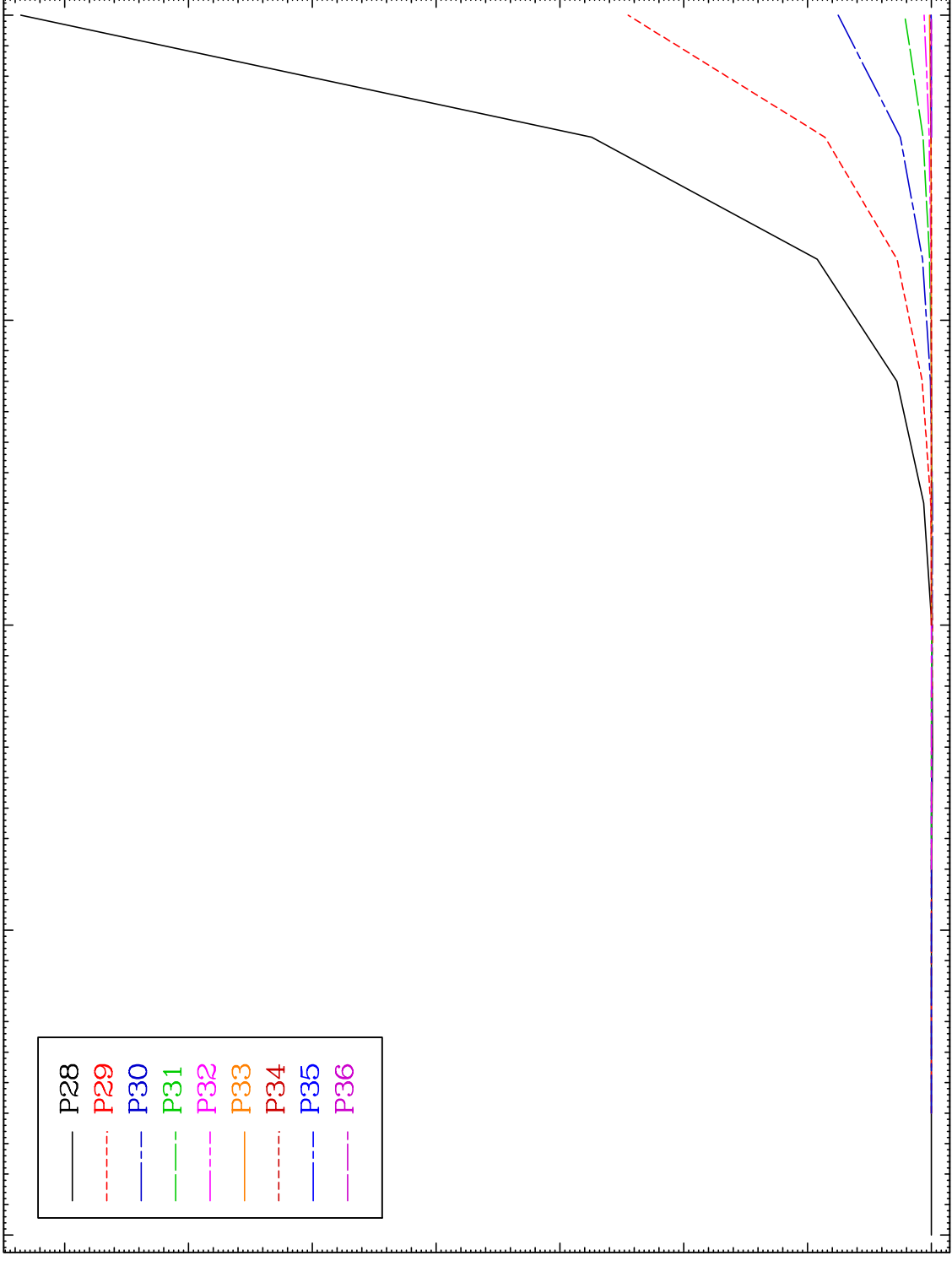
25

30

19

Incident Energy (MeV)

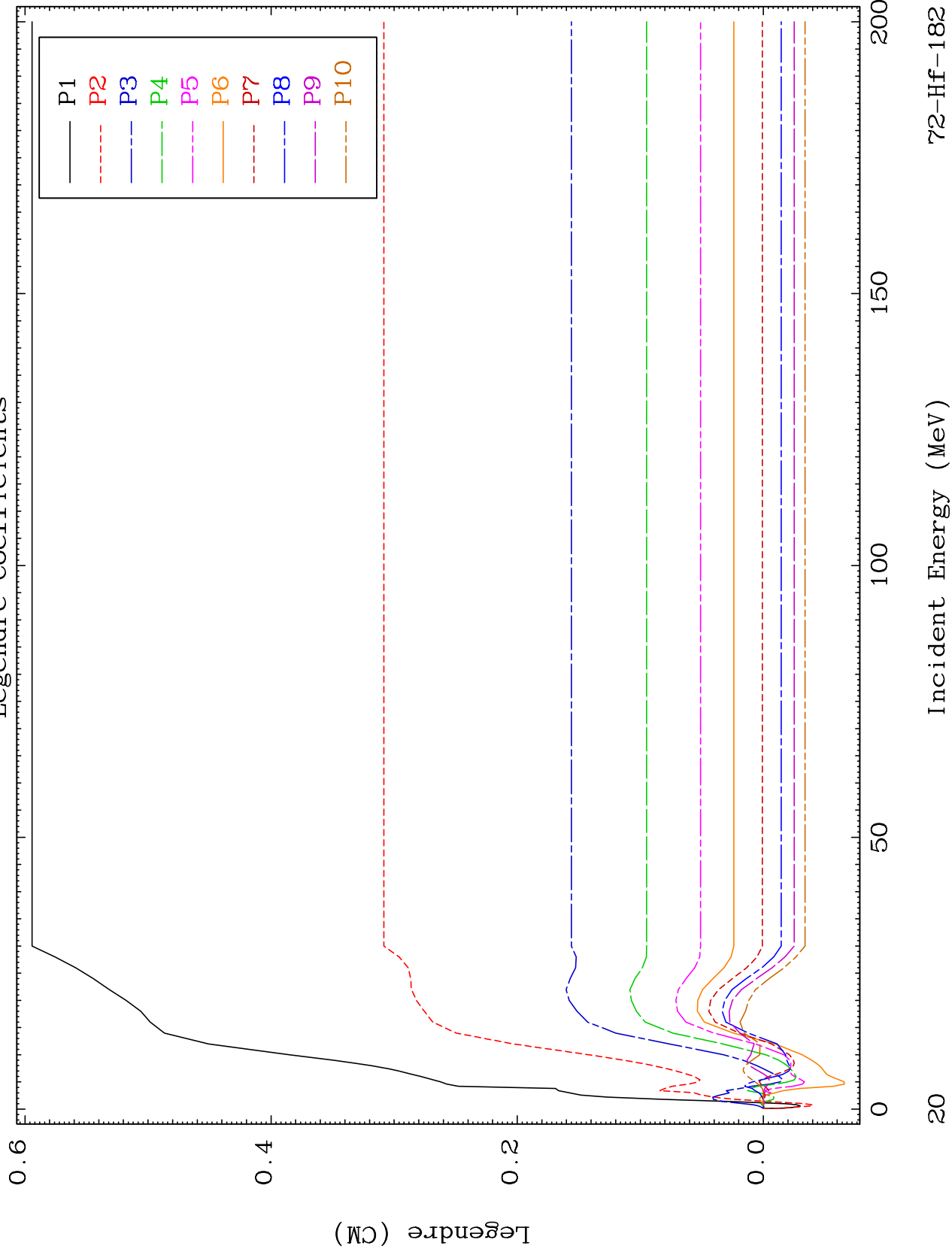
72-Hf-182



MAT 7249

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

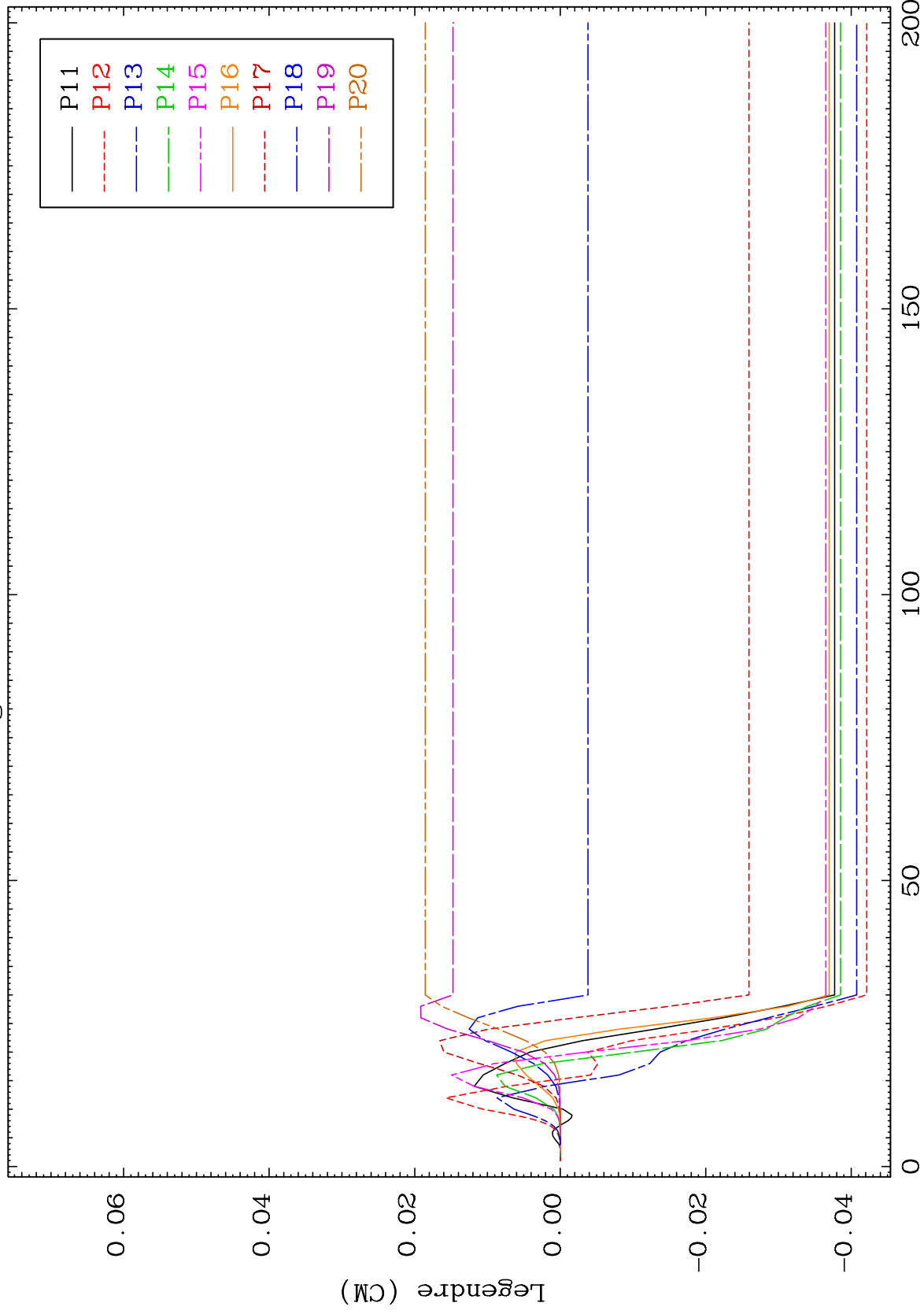
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MAT 7249

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

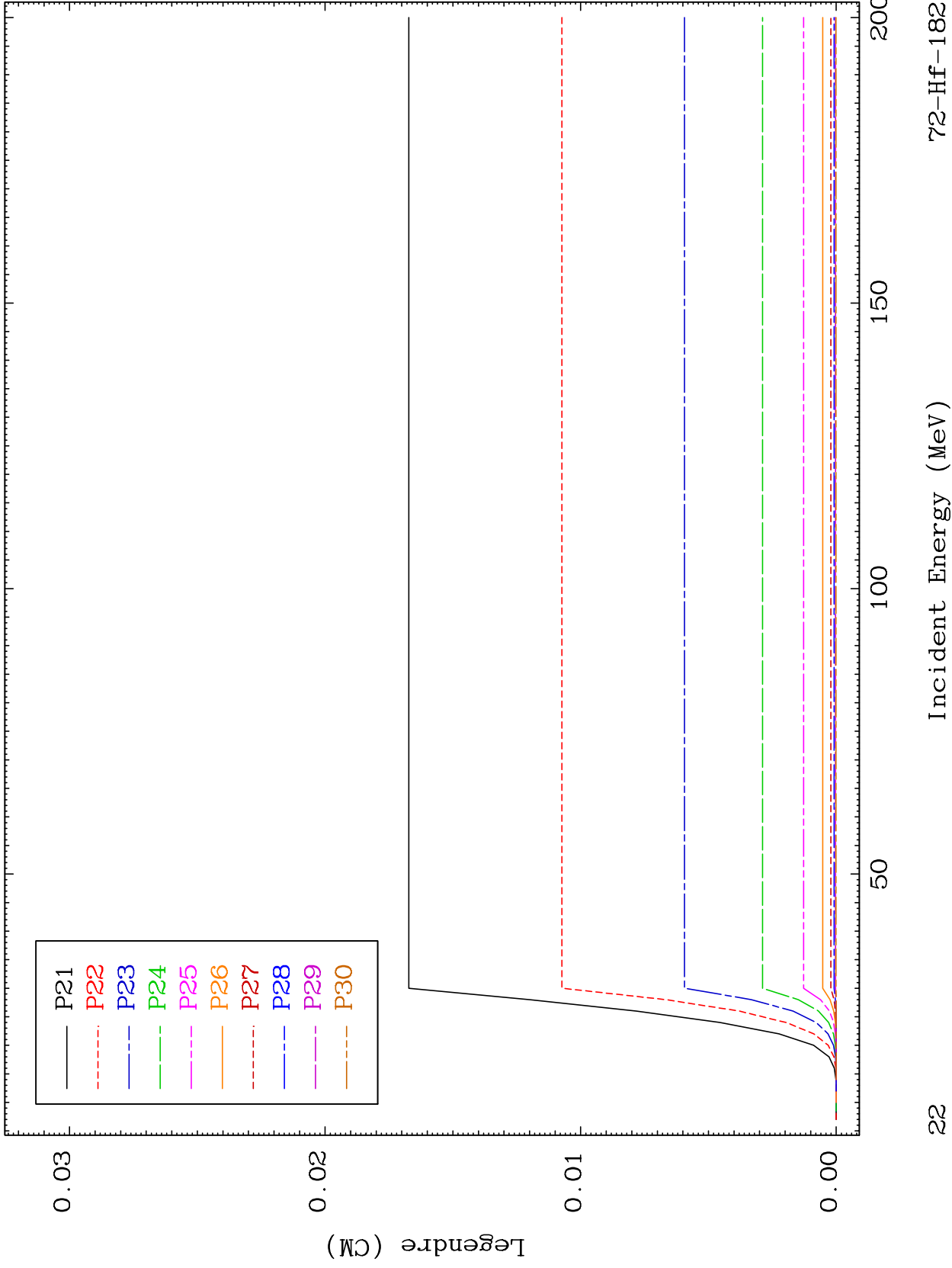
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MAT 7249

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

72-Hf-182



22

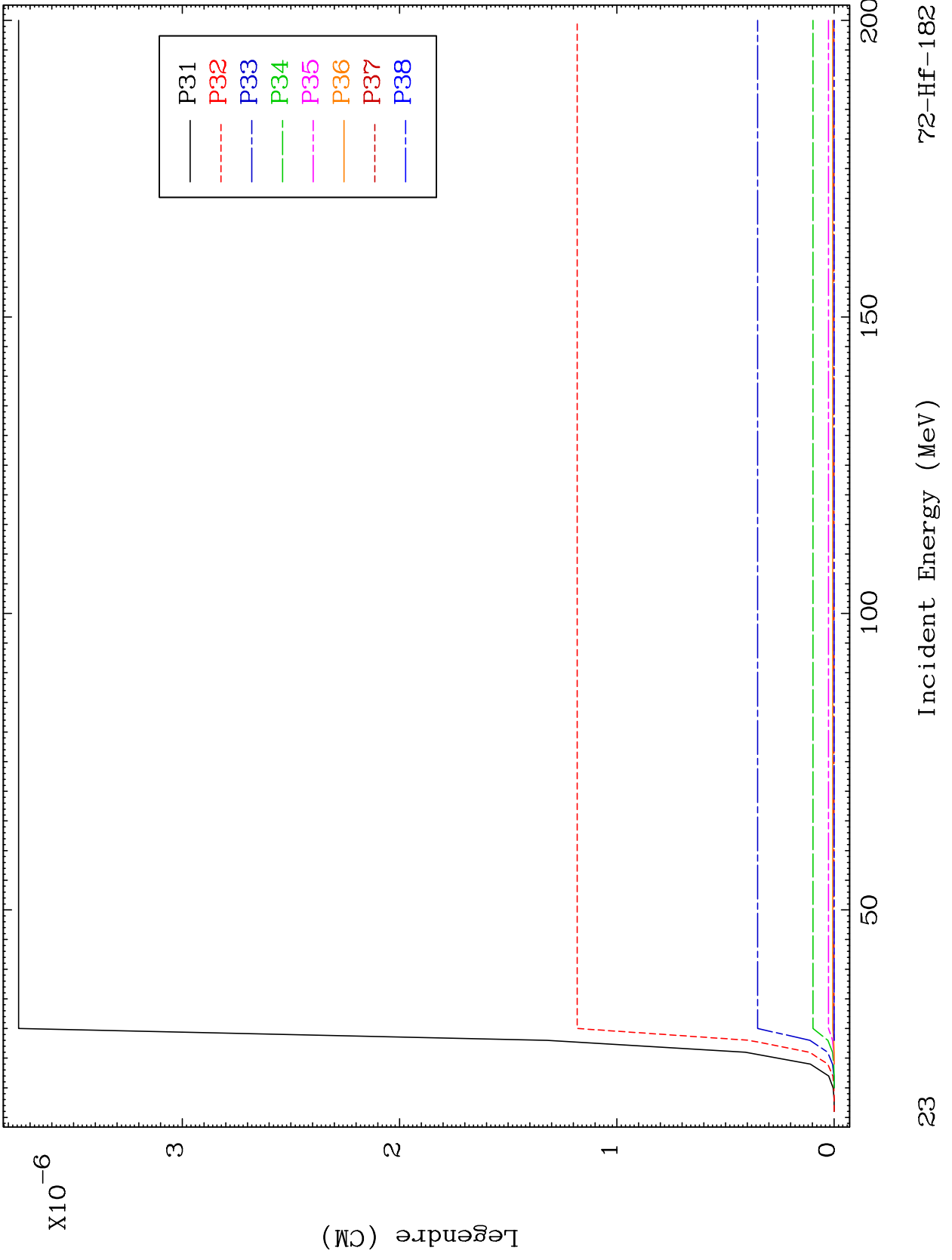
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

72-Hf-182

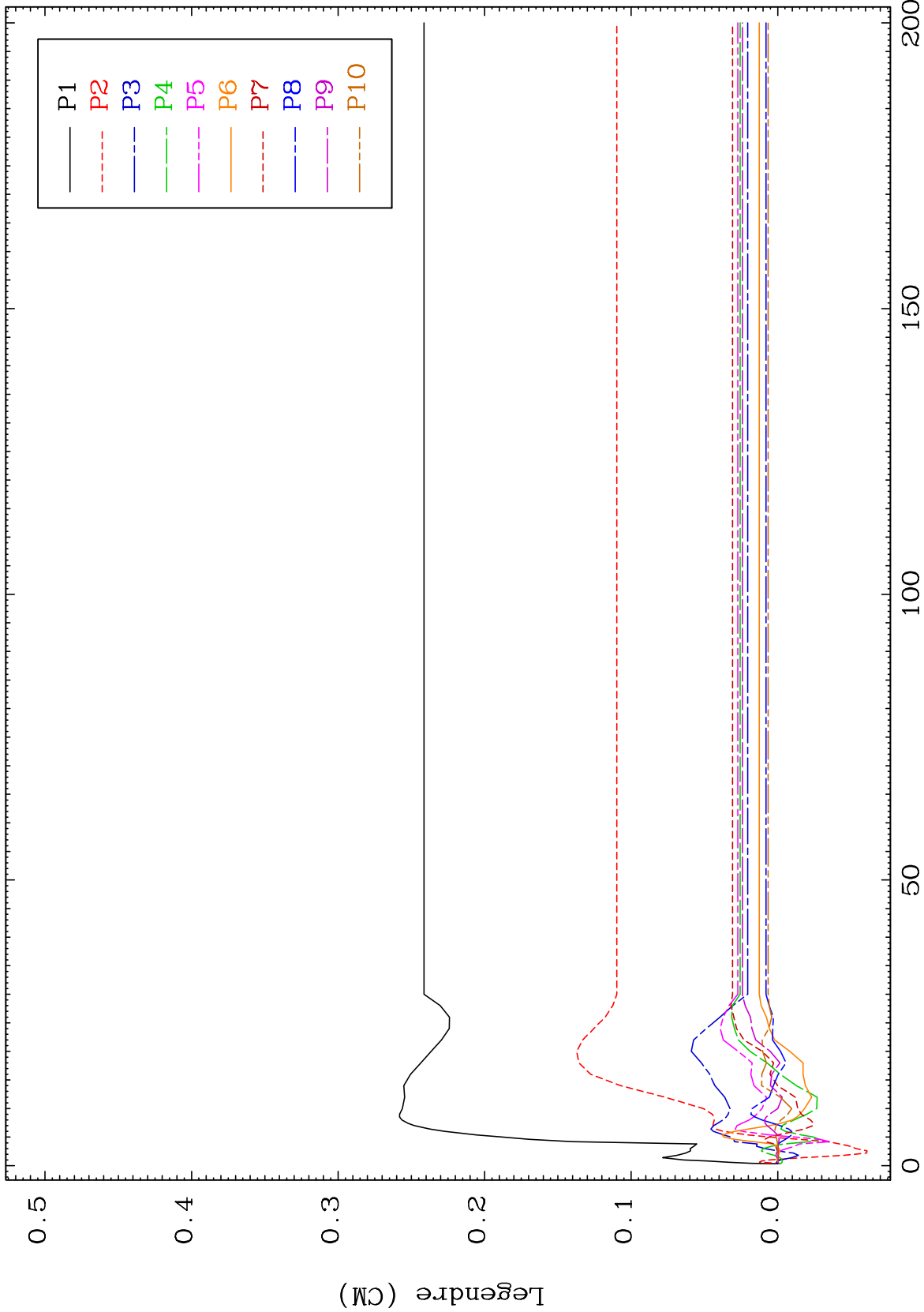


23

MAT 7249

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

72-Hf-182



24

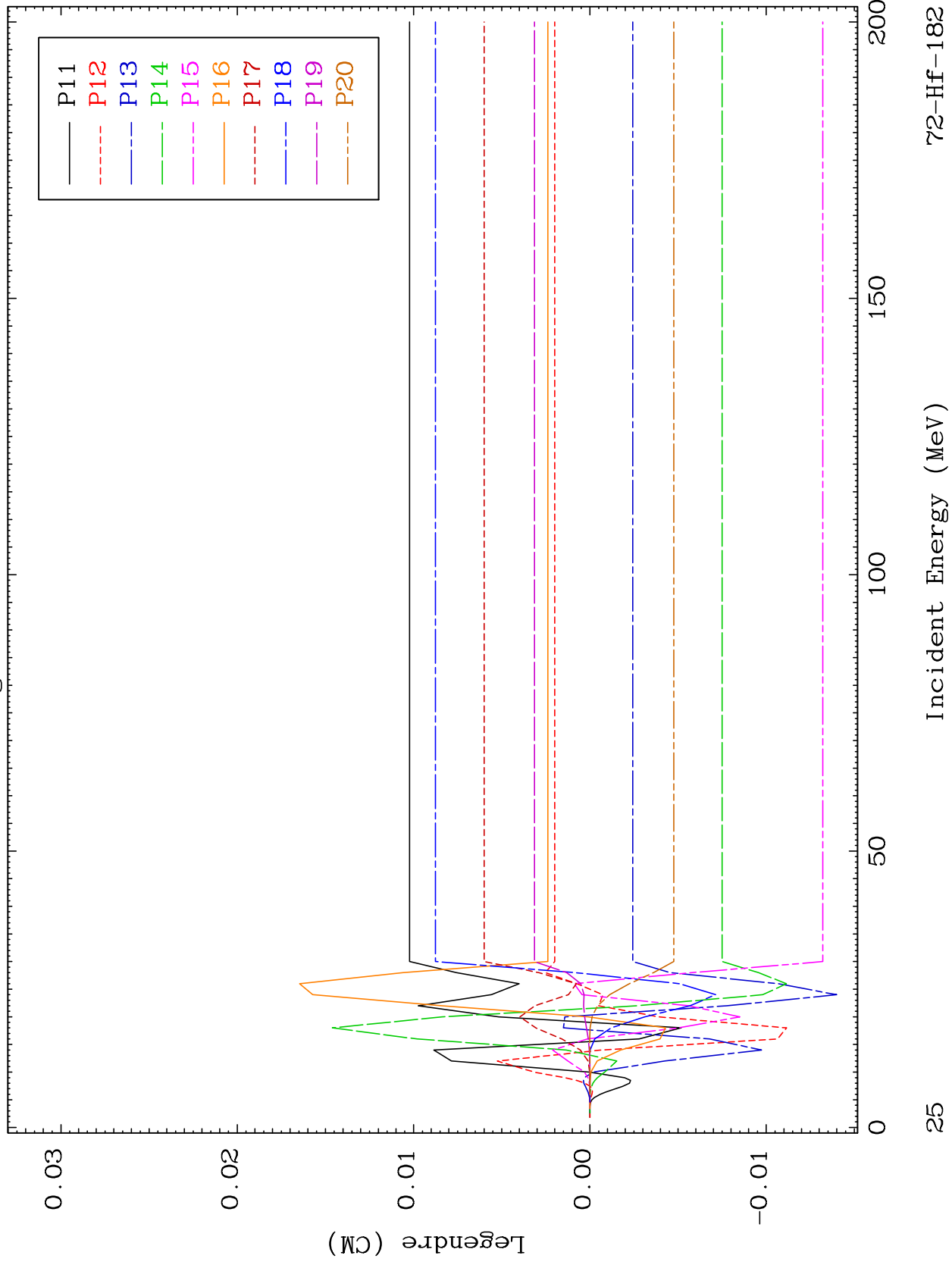
Incident Energy (MeV)

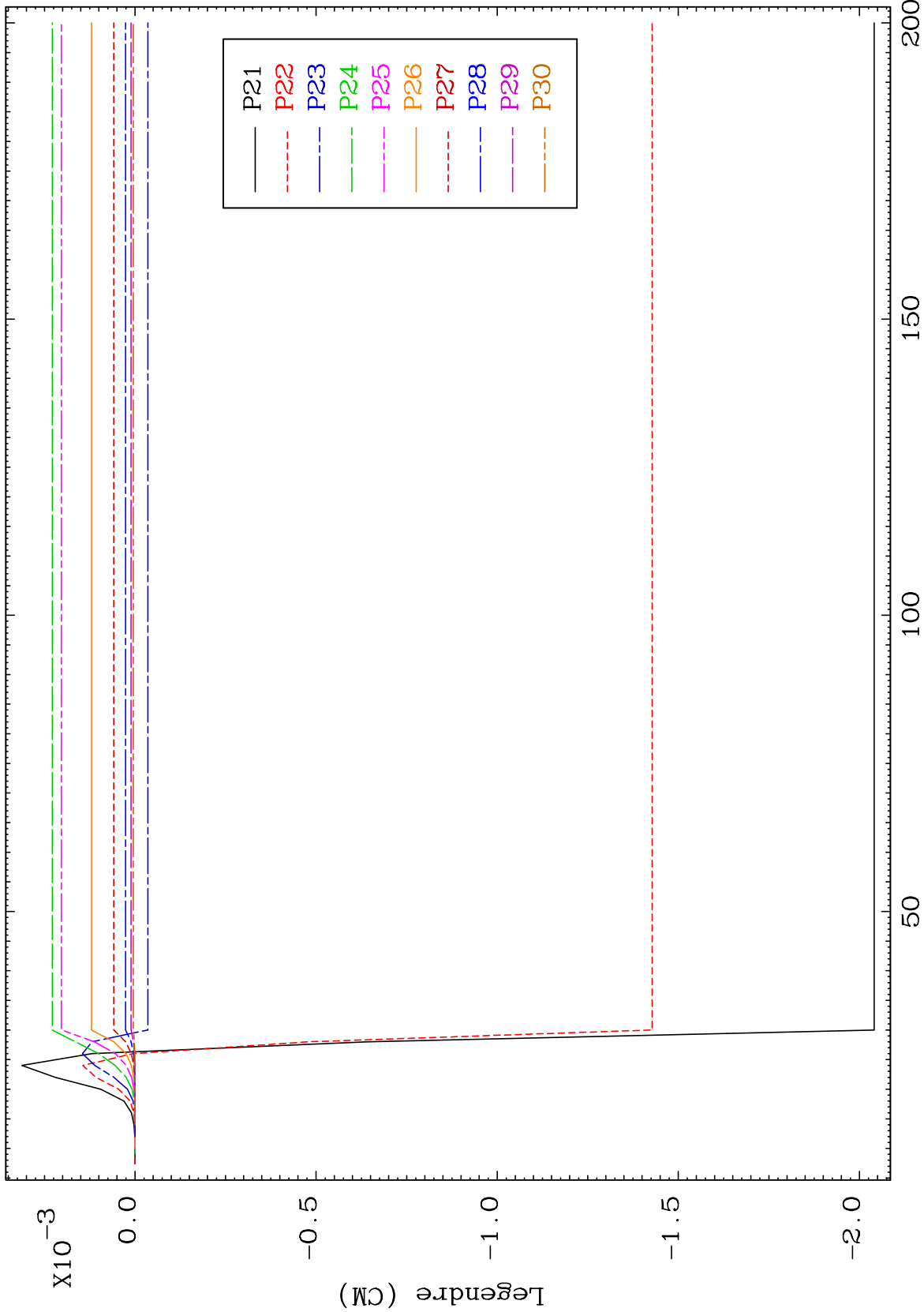
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MAT 7249

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

72-Hf-182

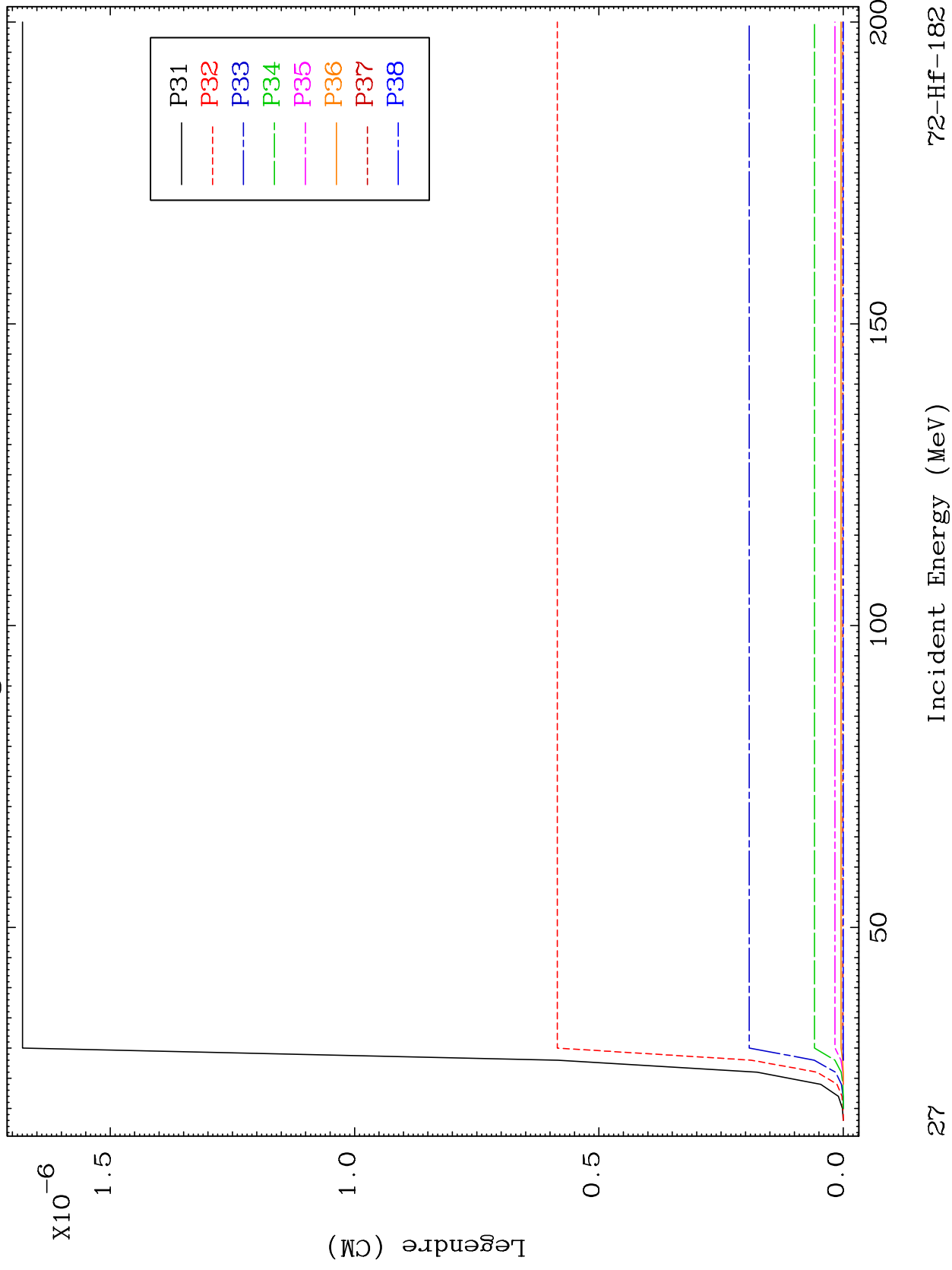




MAT 7249

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

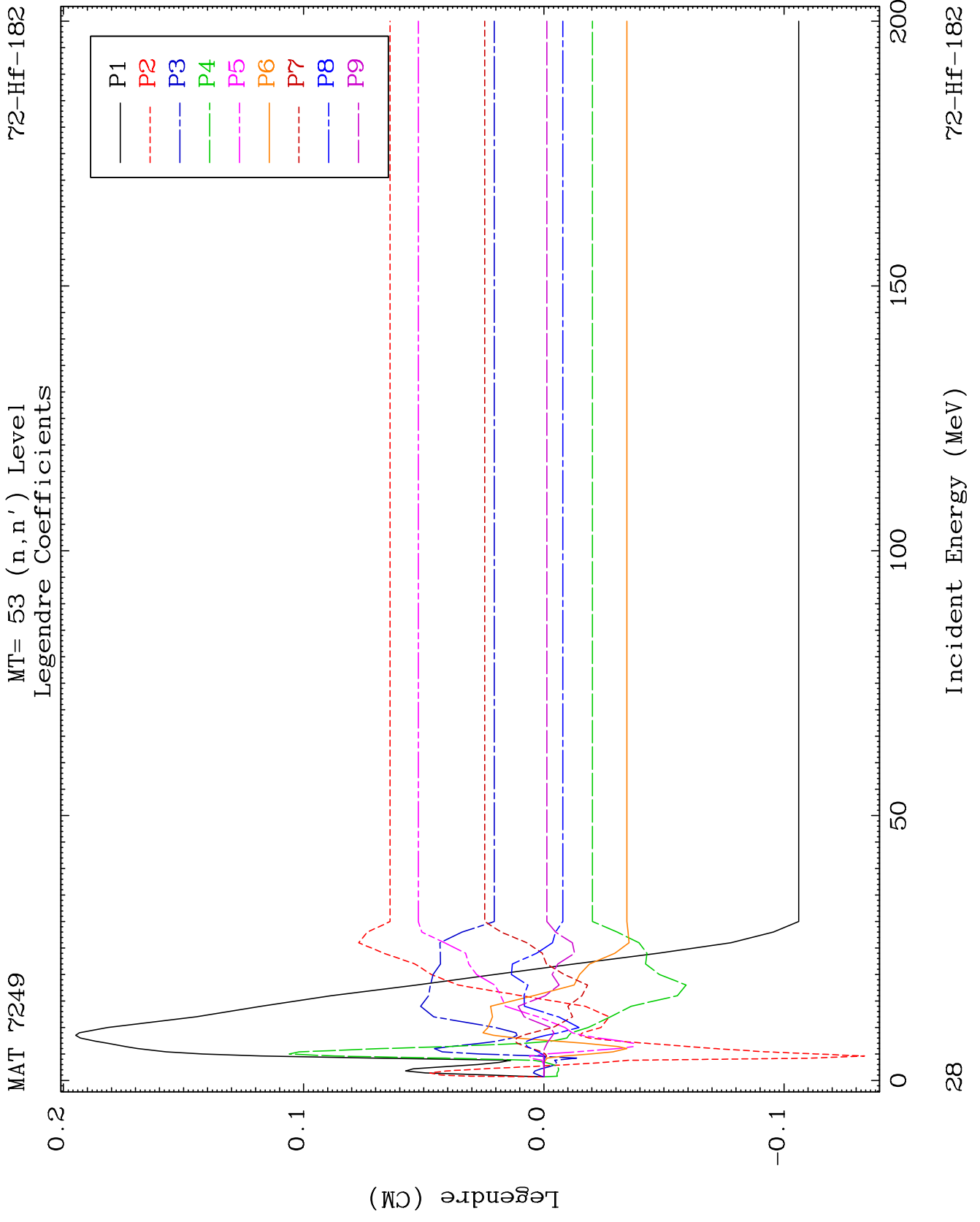
72-Hf-182



27

Incident Energy (MeV)

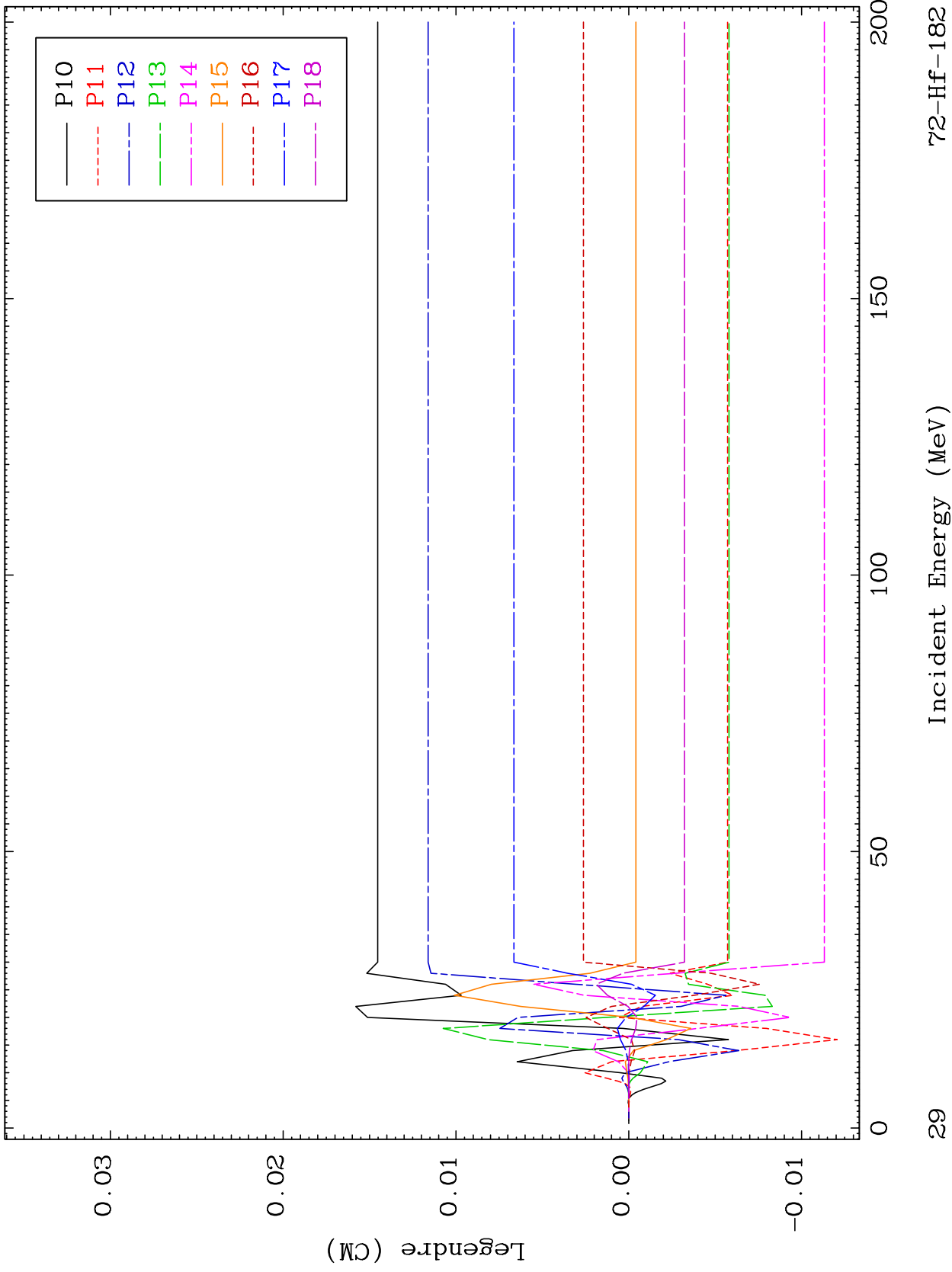
72-Hf-182



MAT 7249

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

72-Hf-182



29

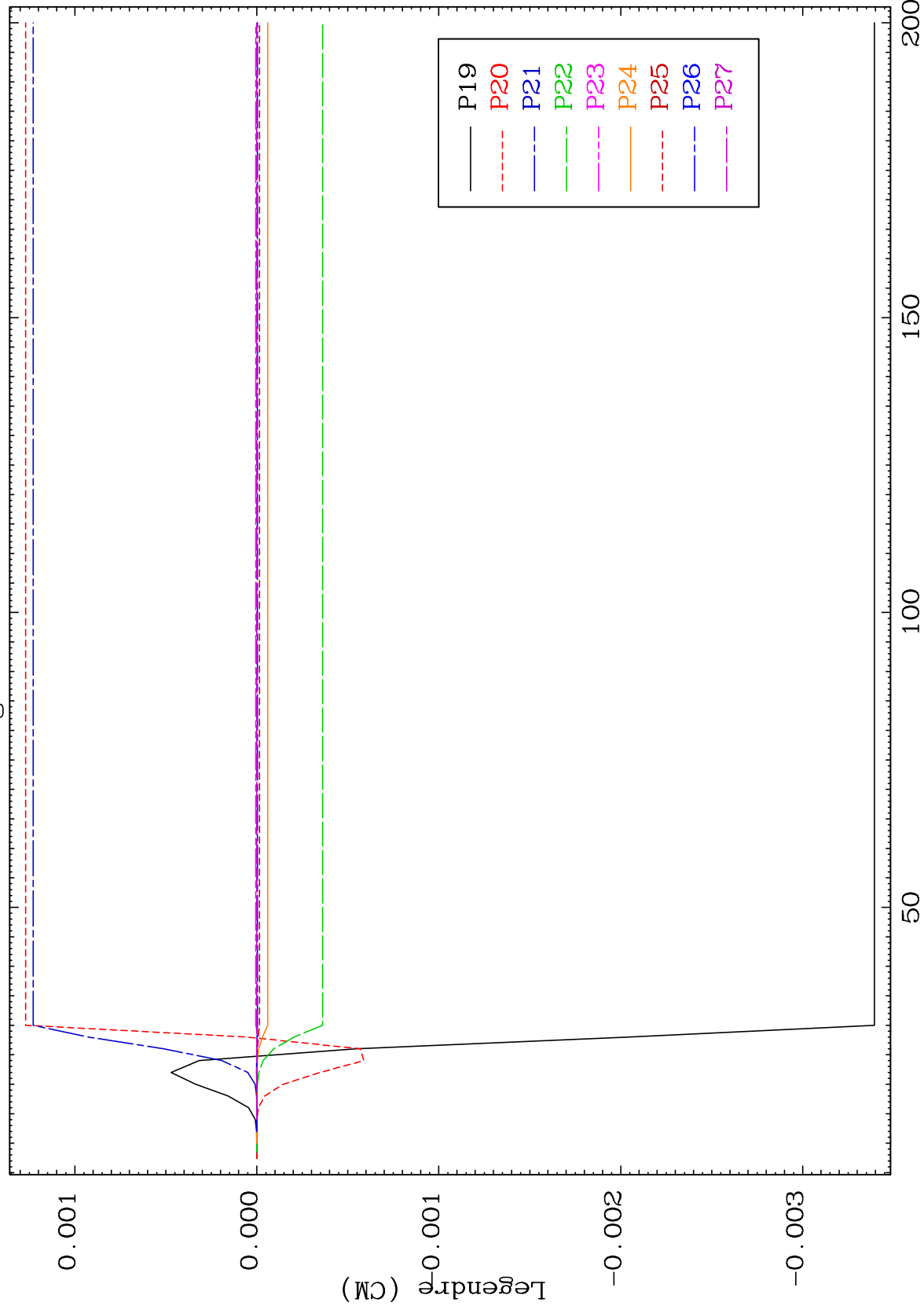
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

72-Hf-182



30

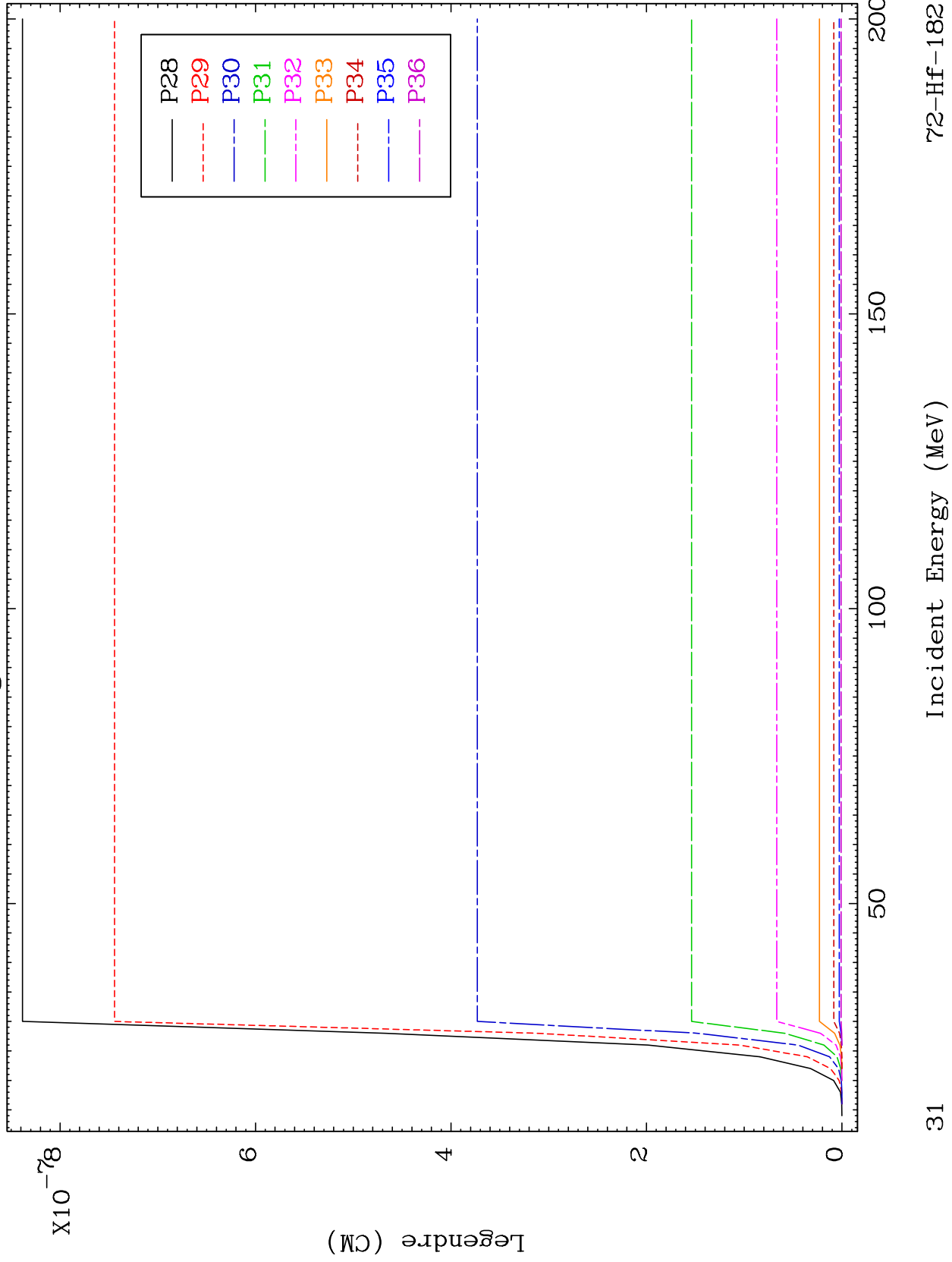
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

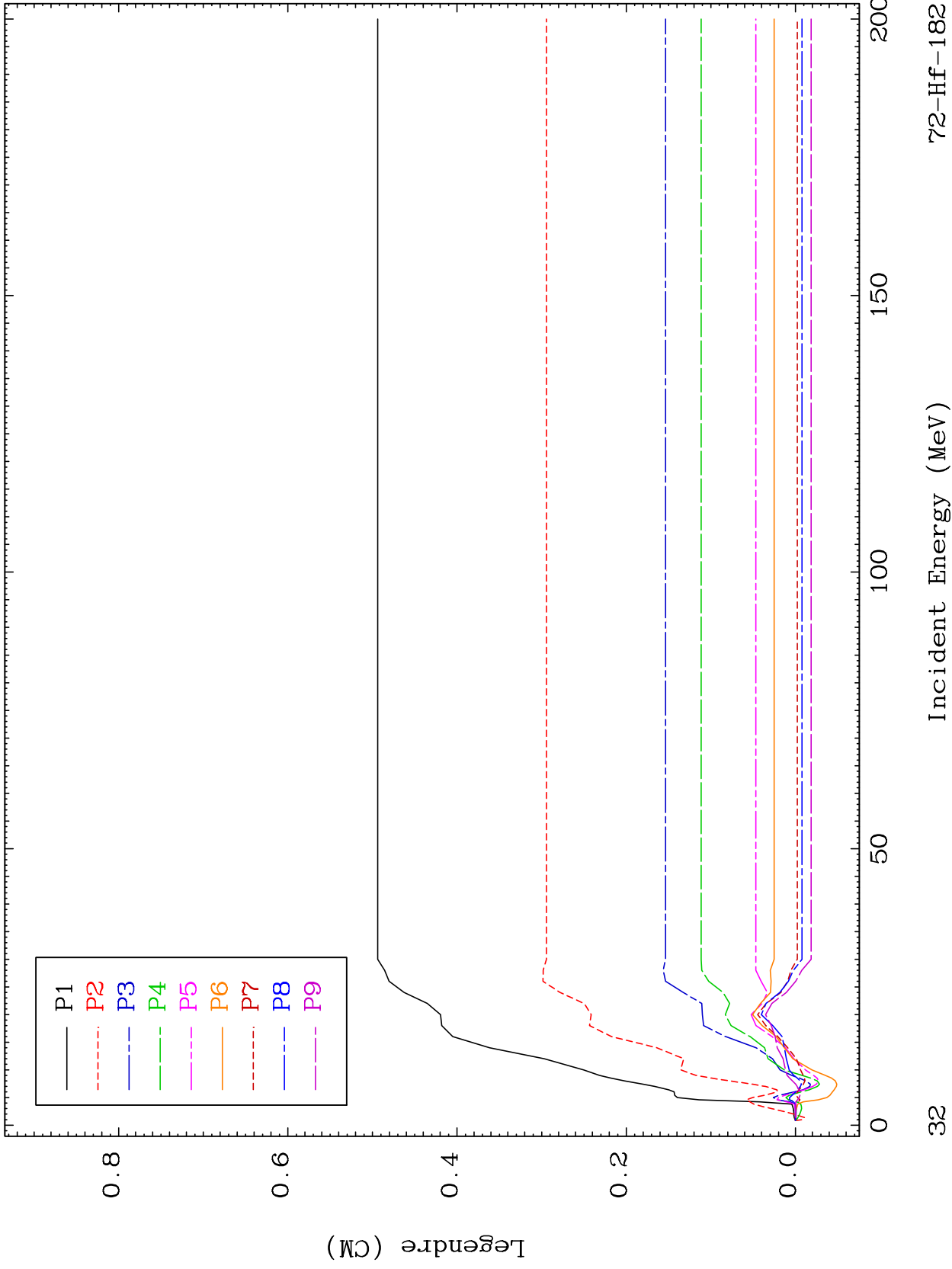
72-Hf-182



MAT 7249

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

72-Hf-182



32

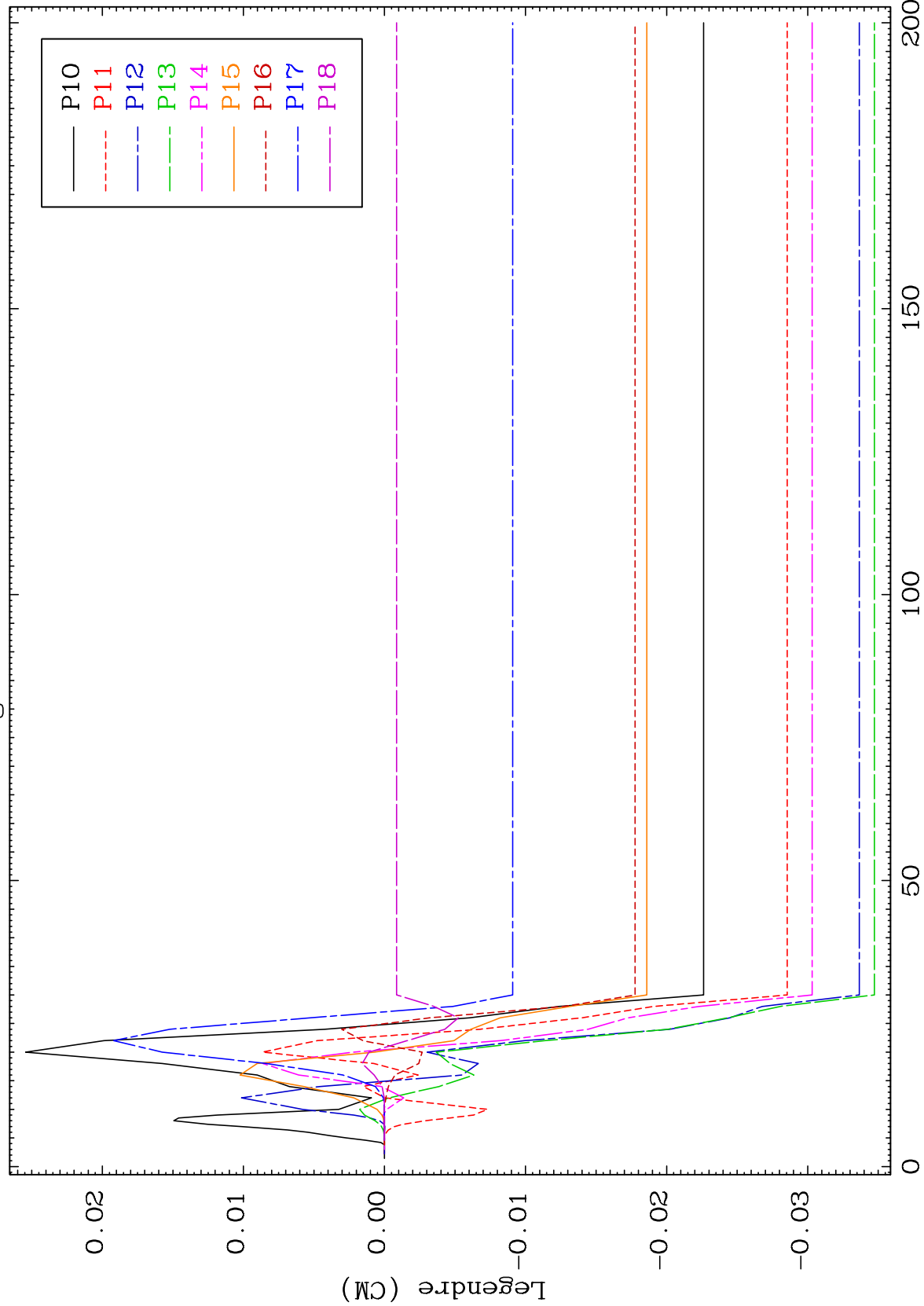
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

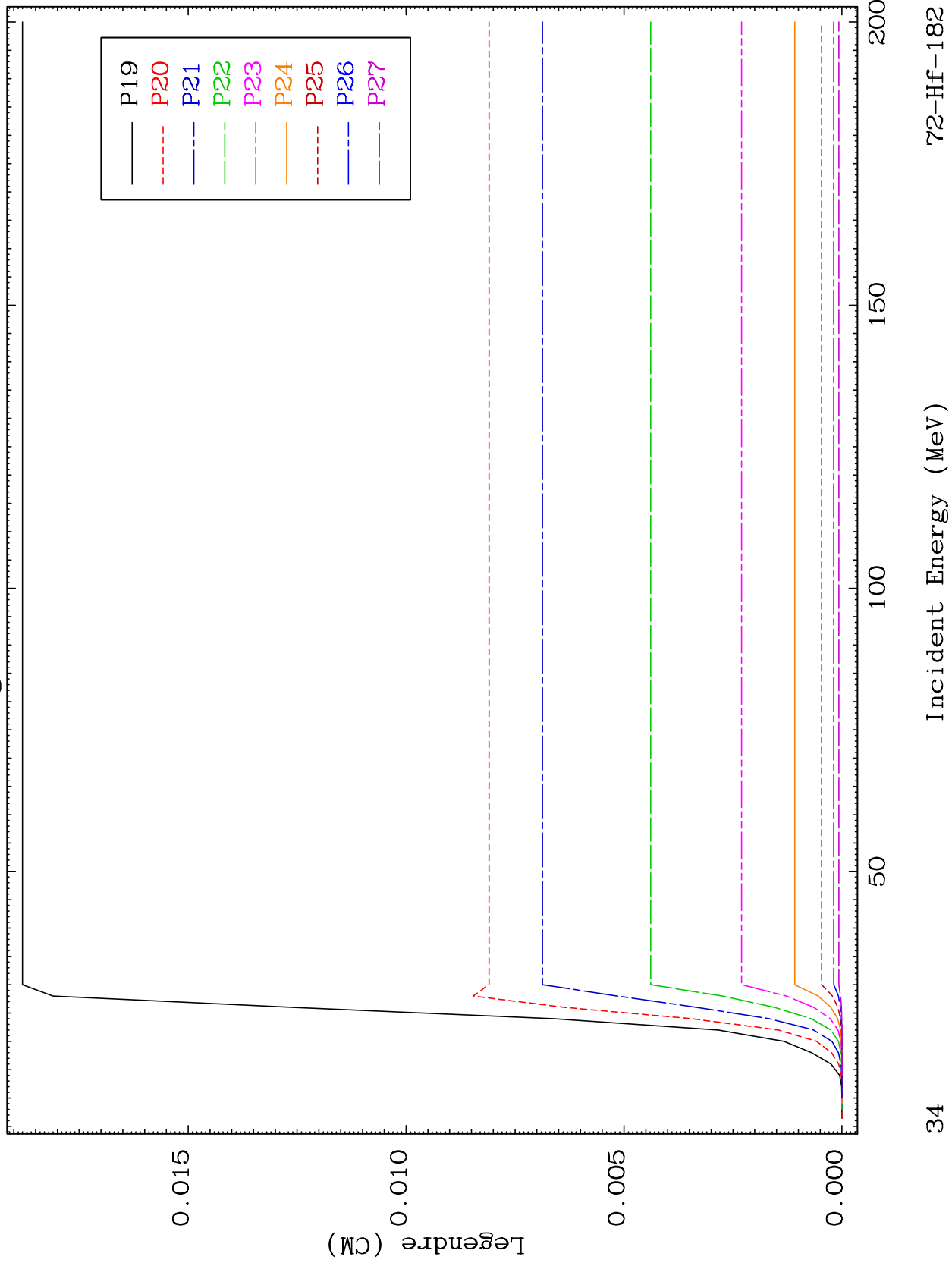
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MAT 7249

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

72-Hf-182



34

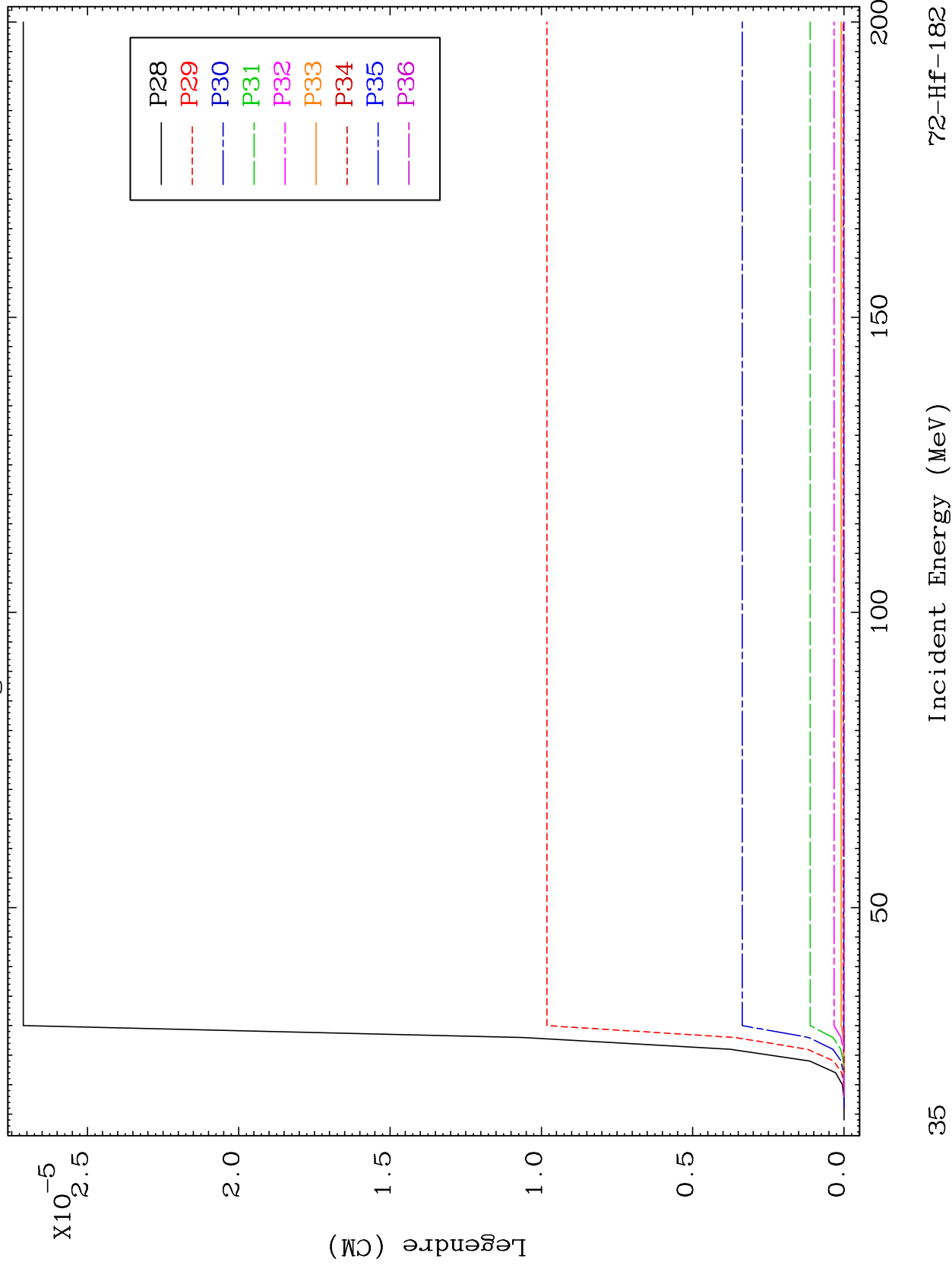
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

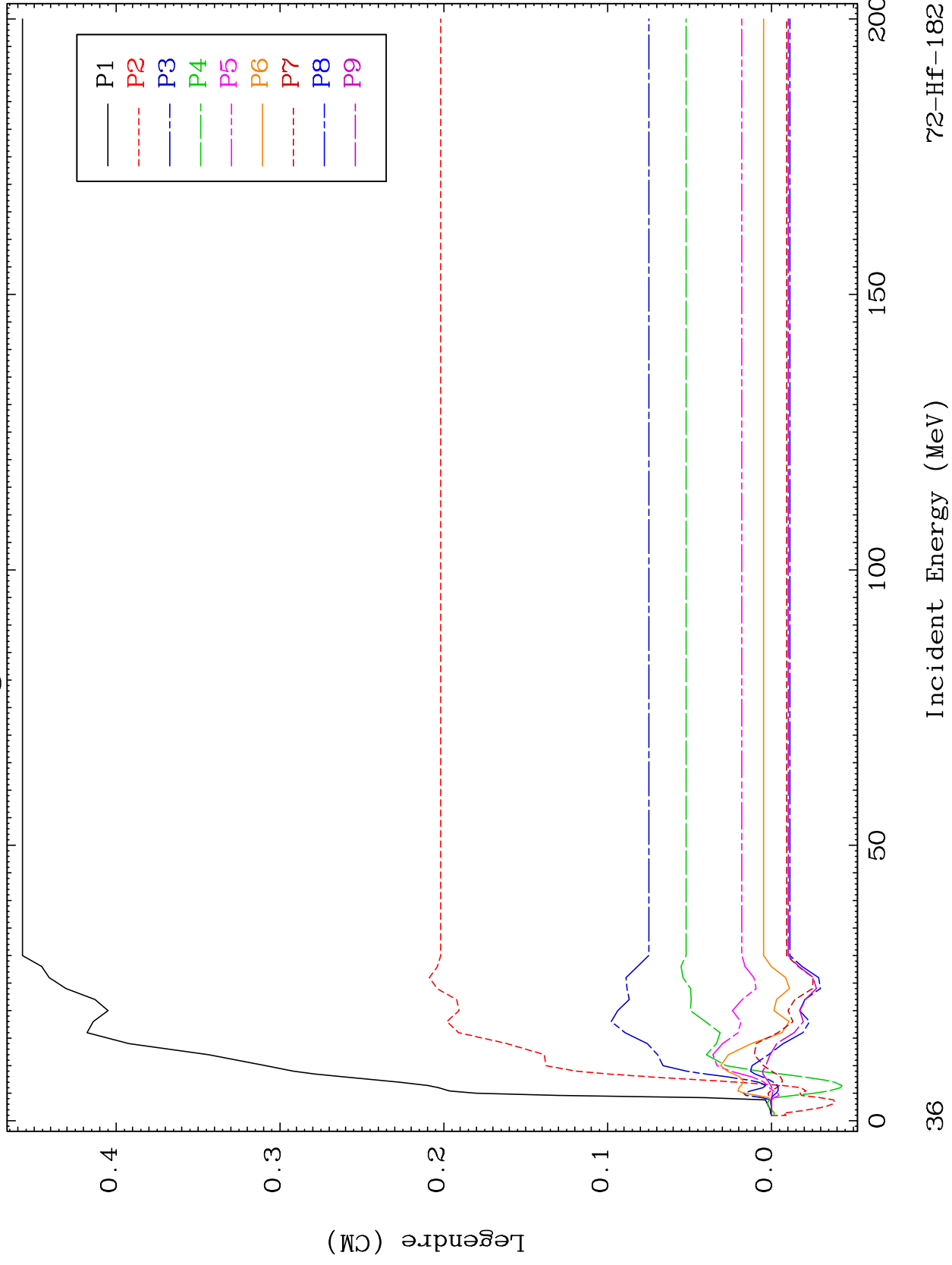
72-Hf-182



MAT 7249

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

72-Hf-182



36

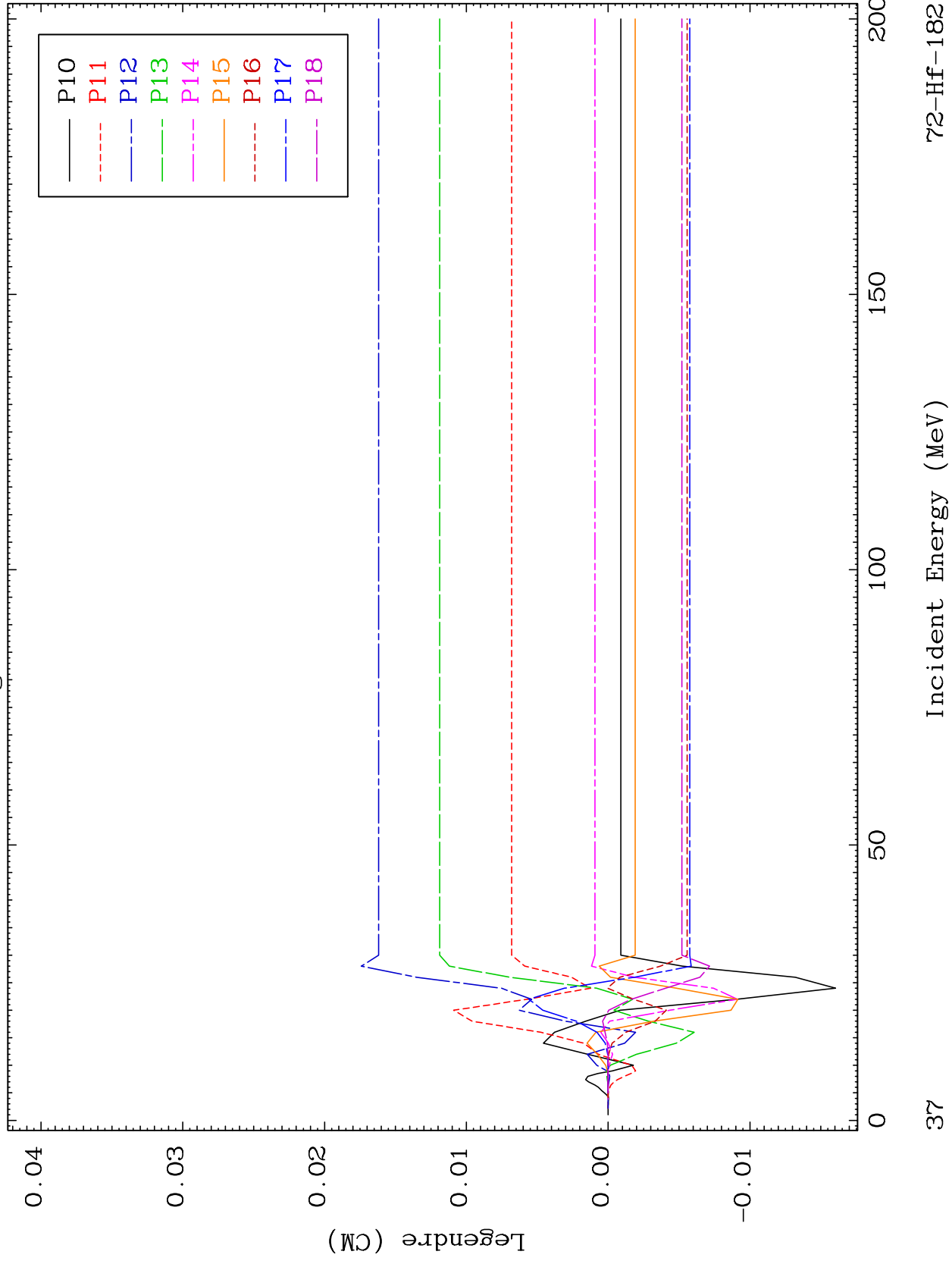
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

72-Hf-182



37

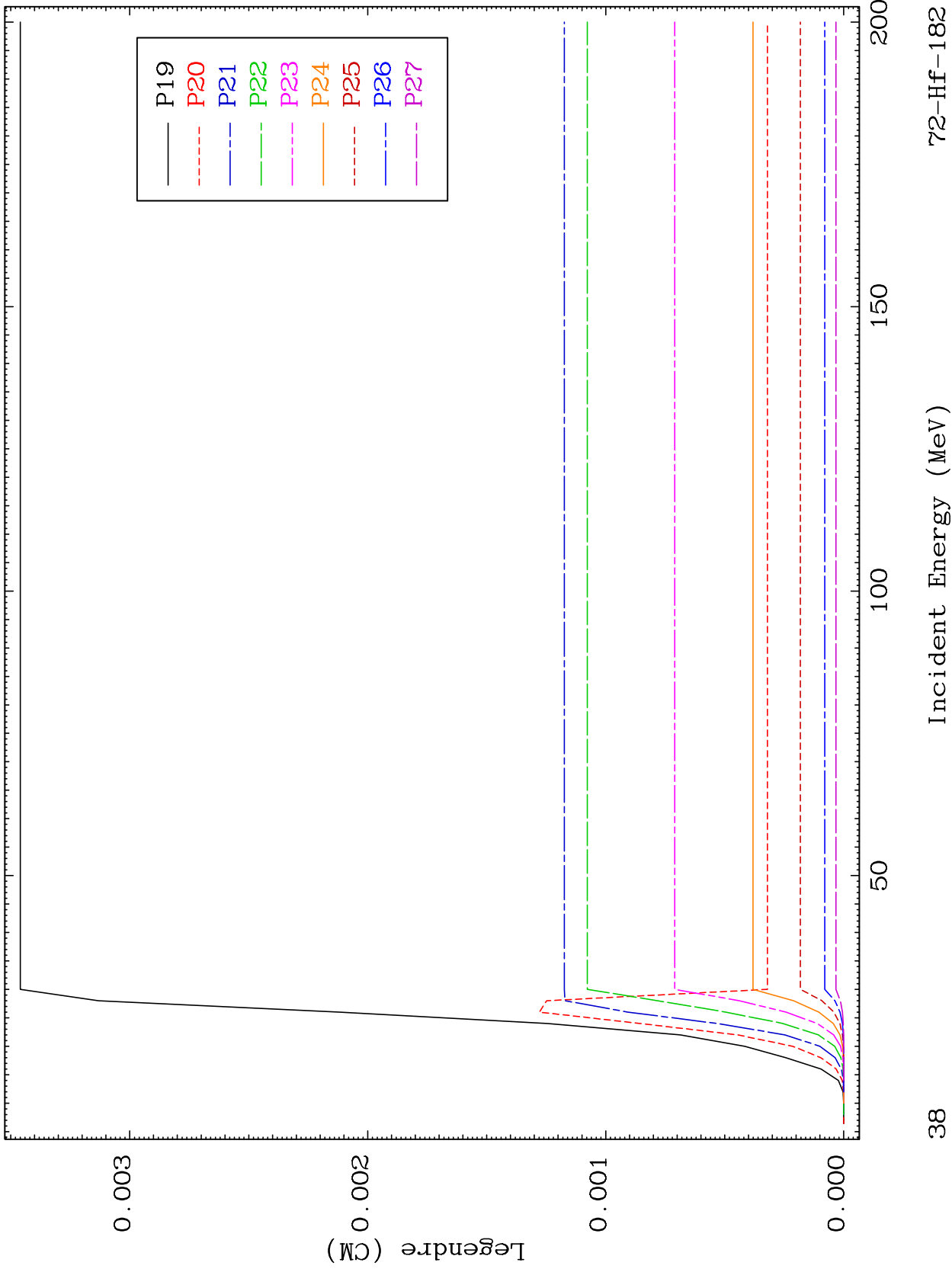
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

72-Hf-182



38

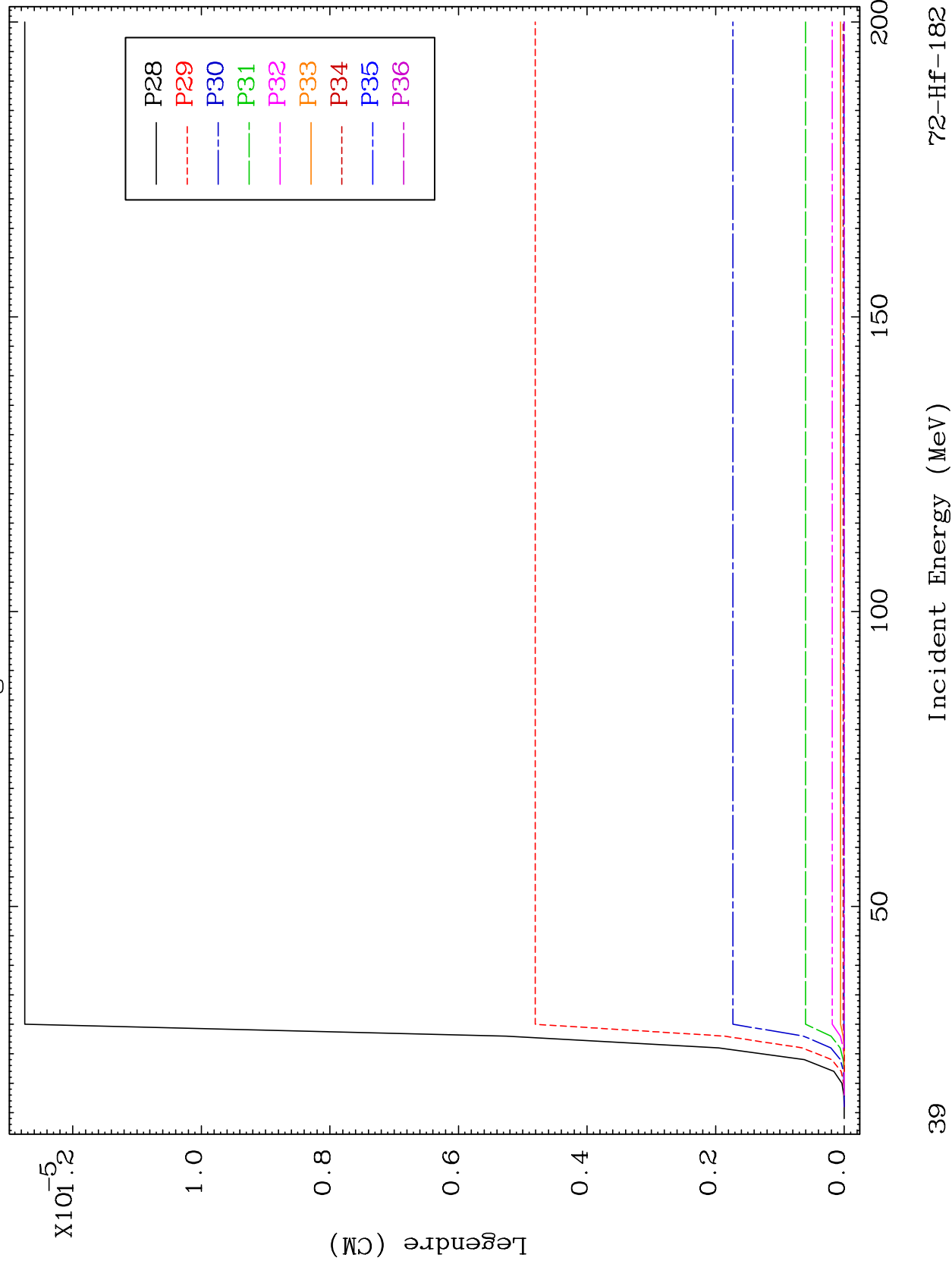
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

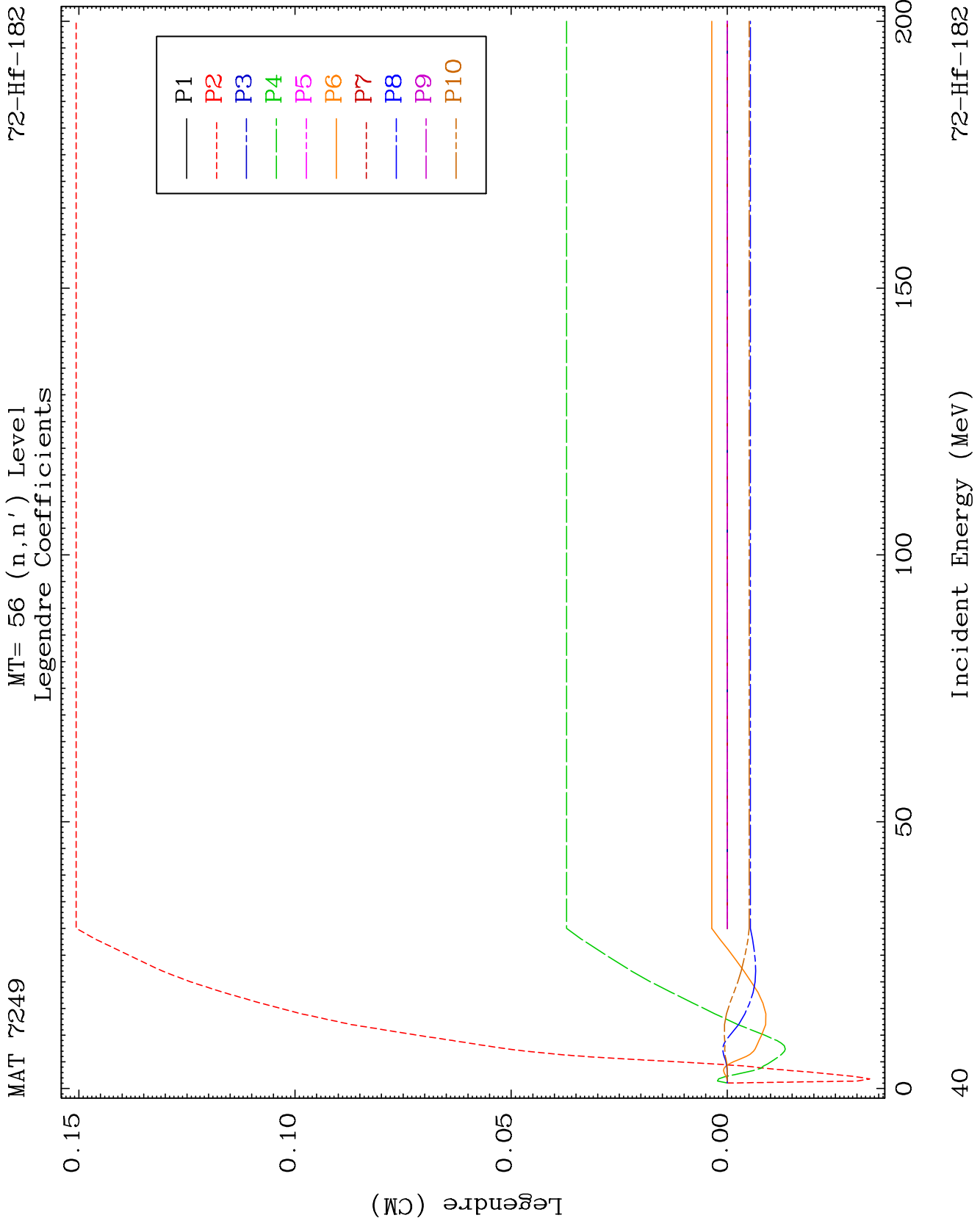
72-Hf-182



39

Incident Energy (MeV)

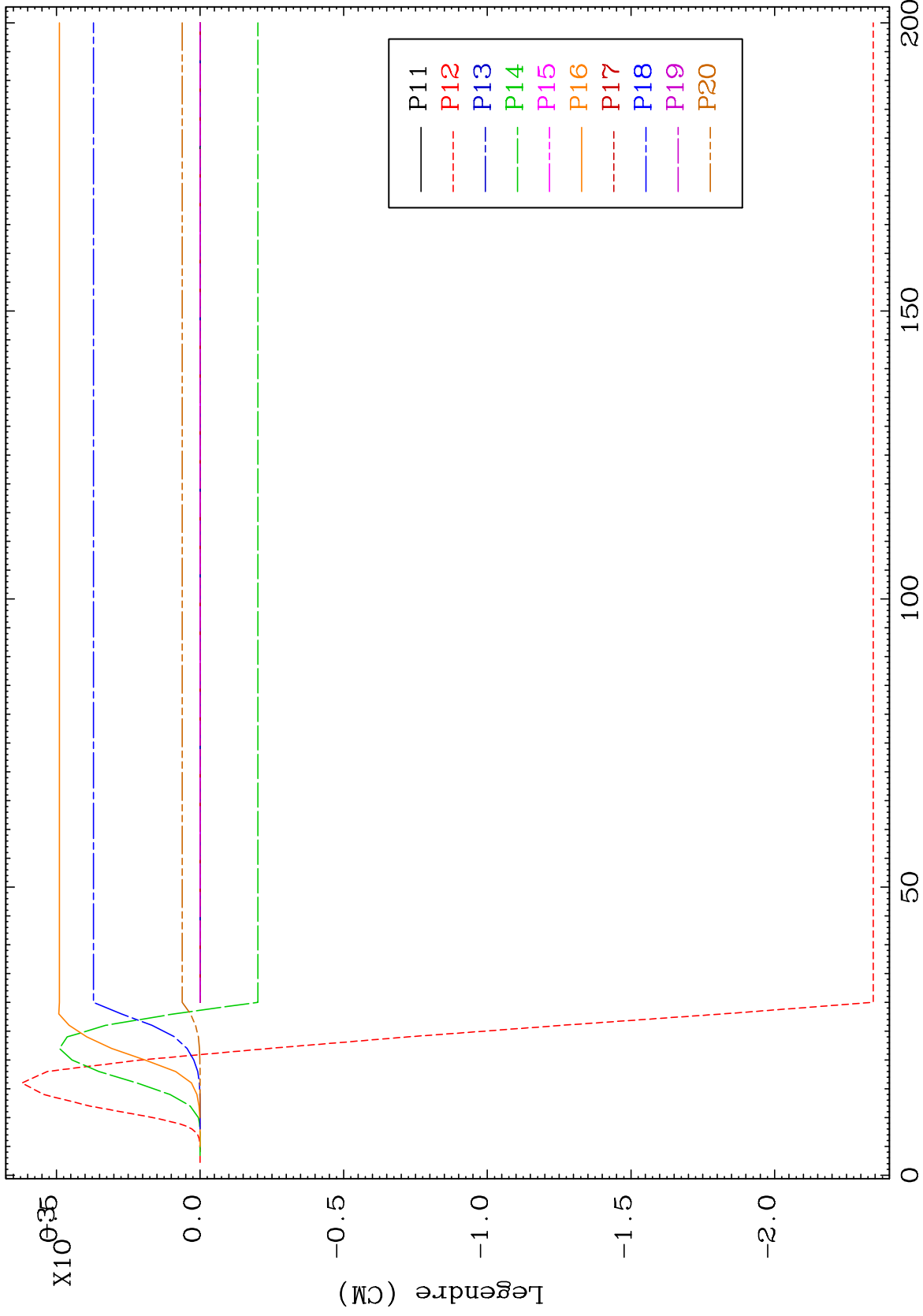
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MAT 7249

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

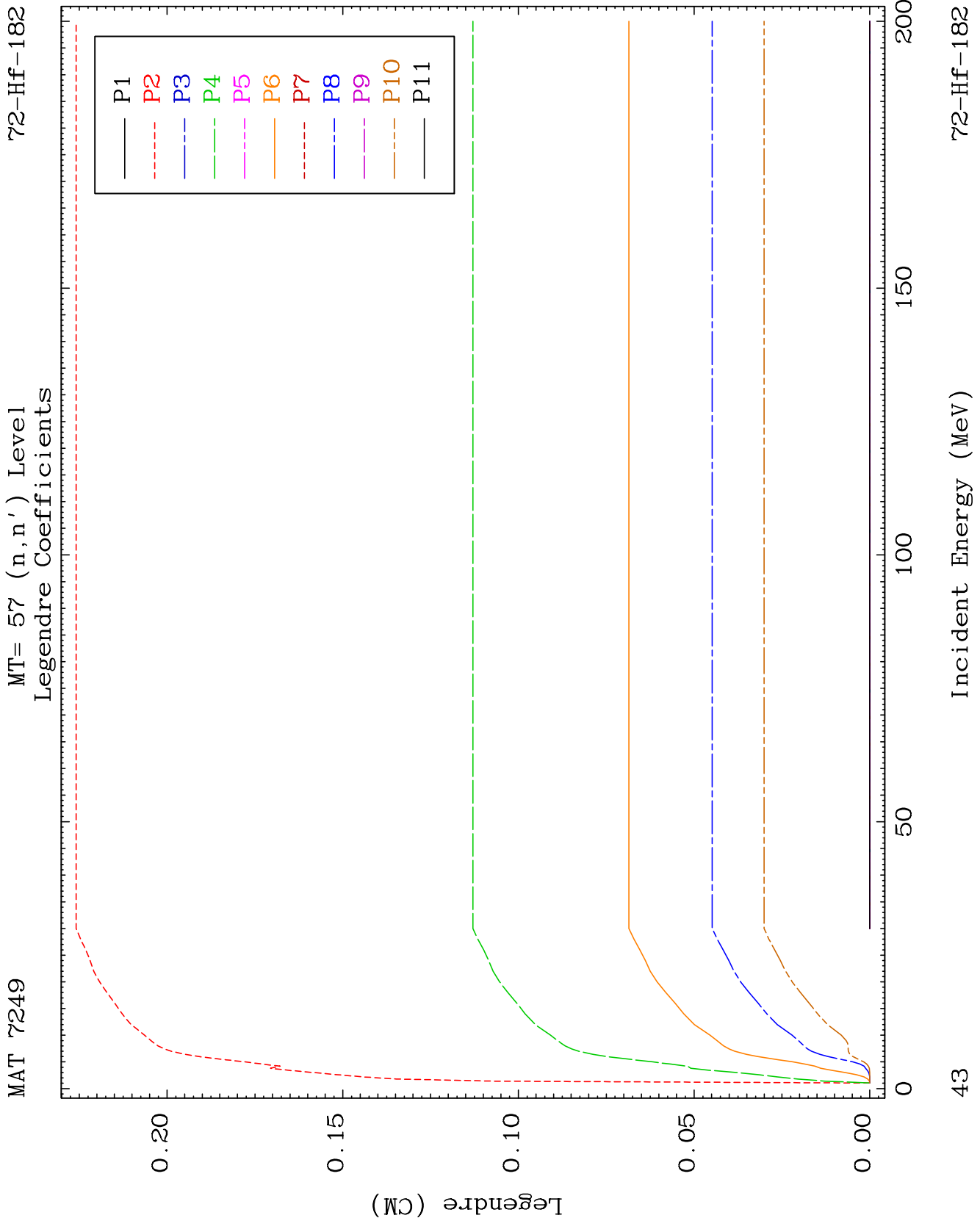
72-Hf-182



41

Incident Energy (MeV)

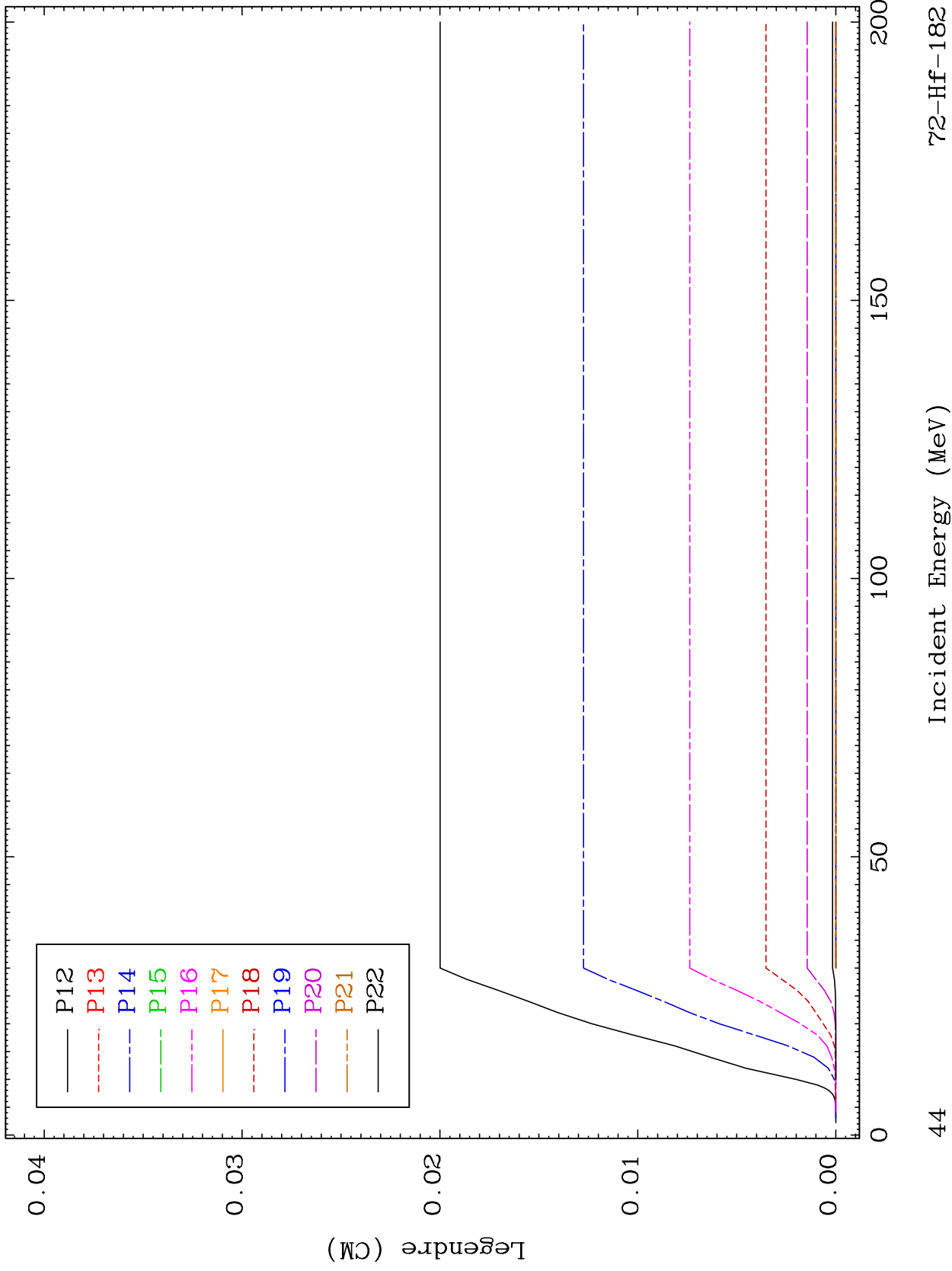
72-Hf-182



MAT 7249

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

72-Hf-182



44

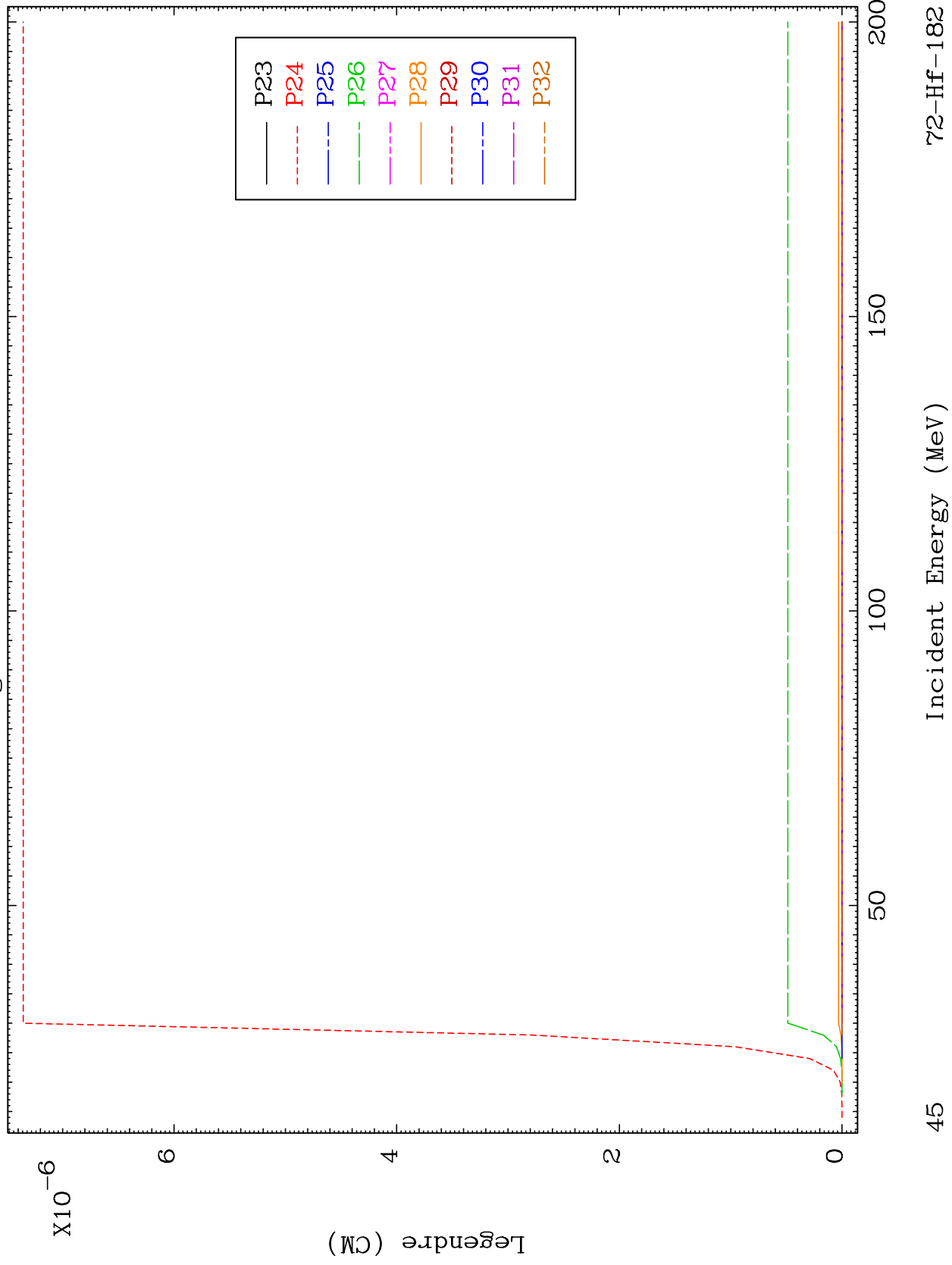
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

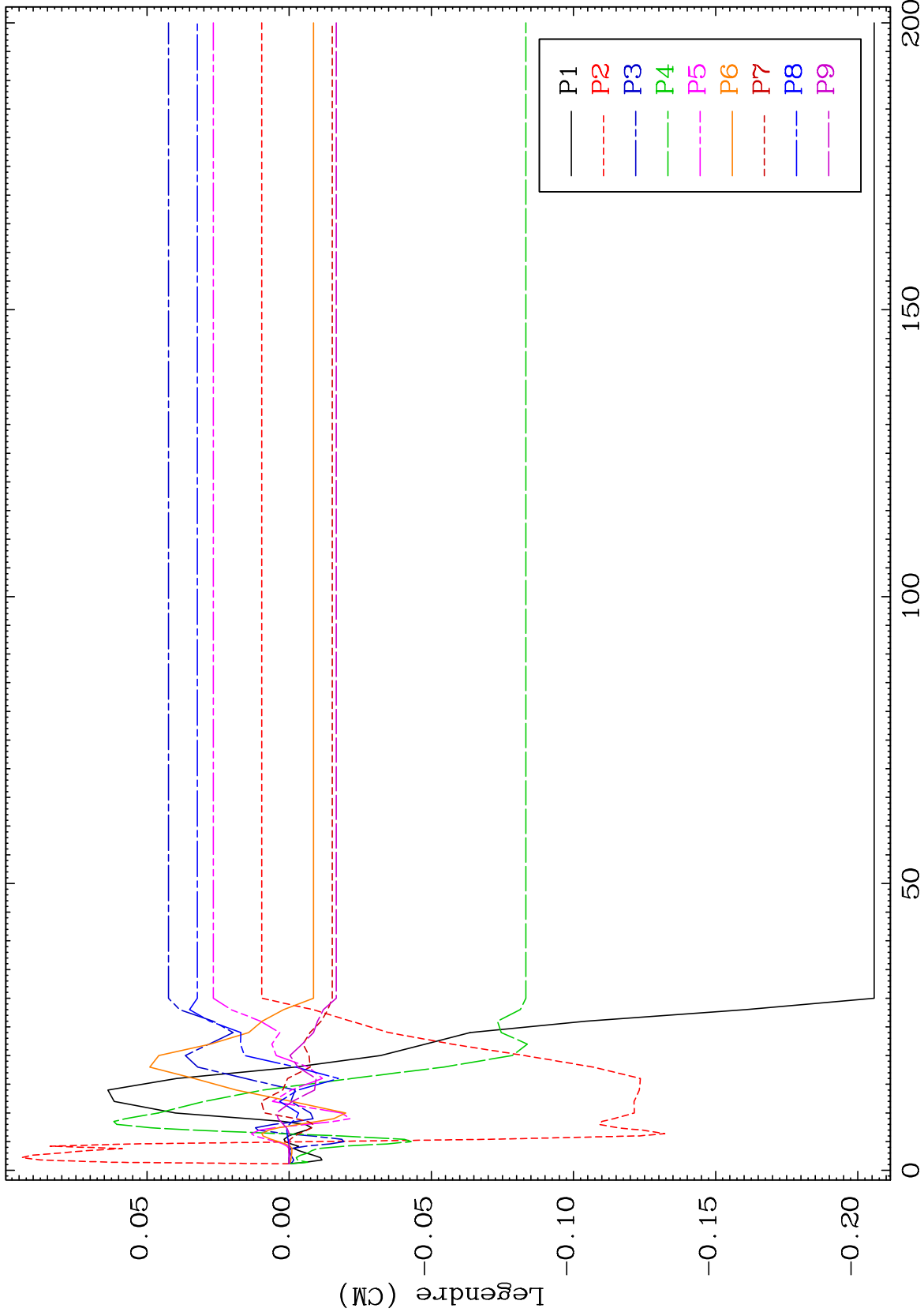
72-Hf-182



MAT 7249

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

72-Hf-182



46

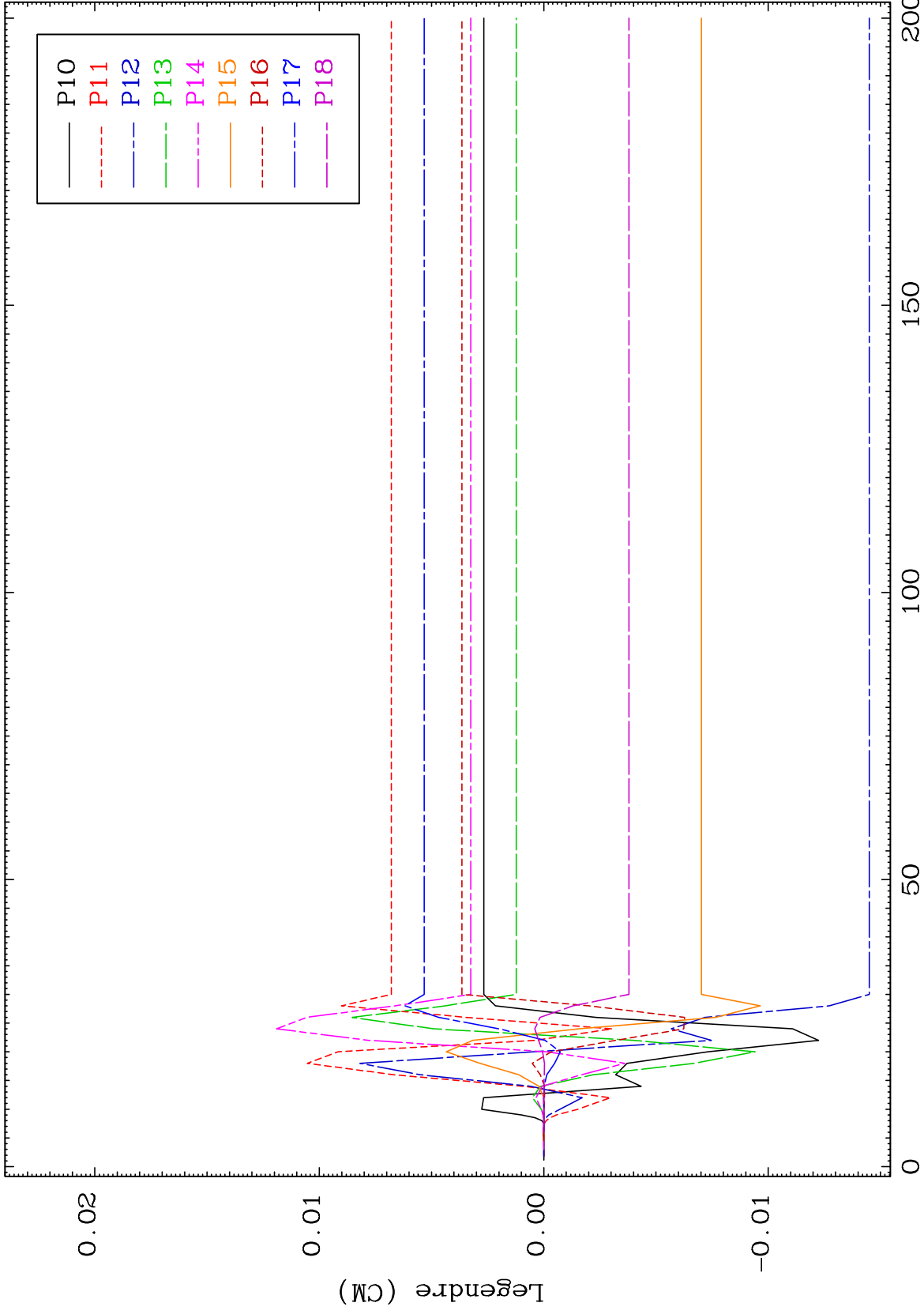
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

72-Hf-182



47

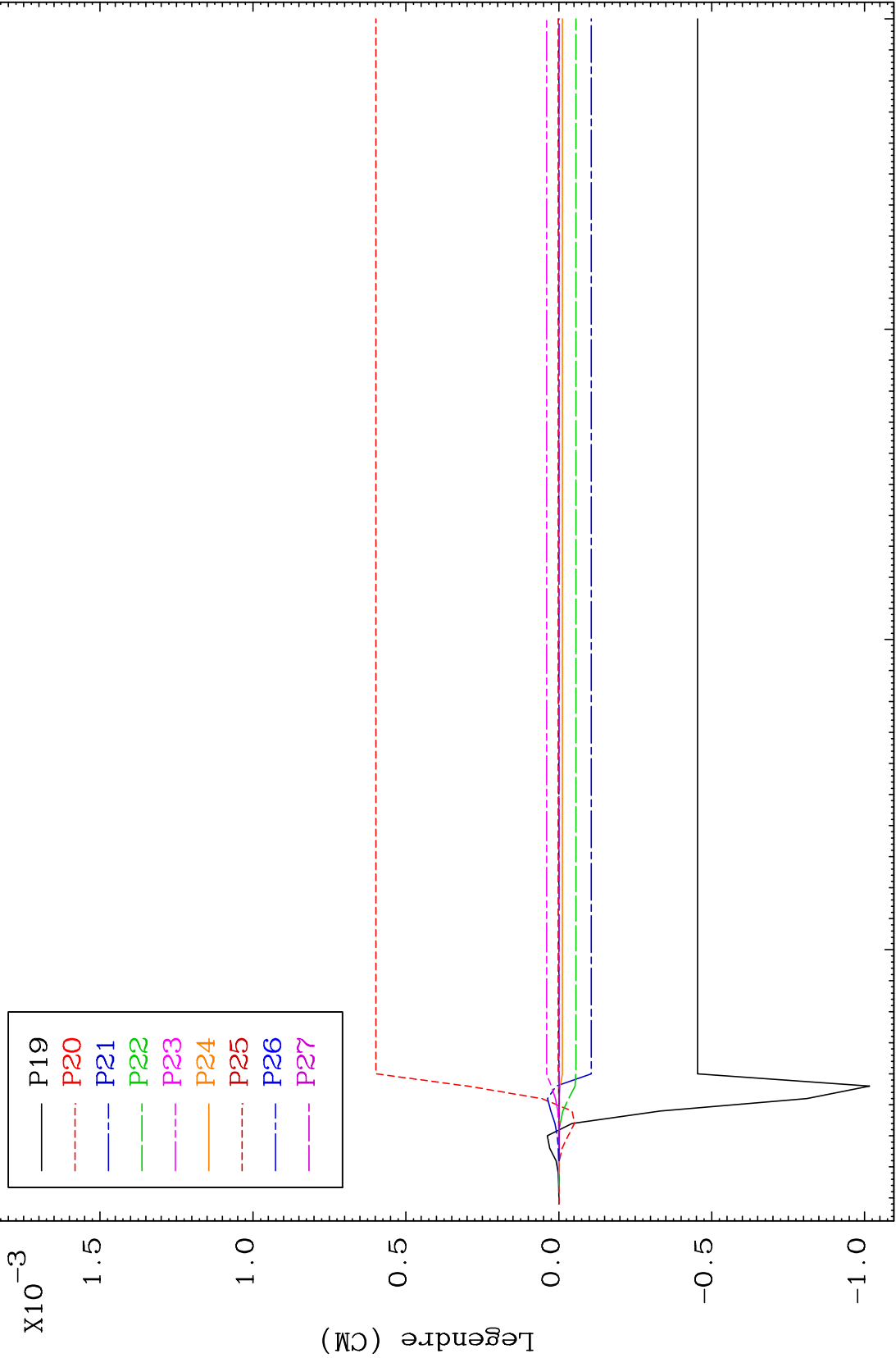
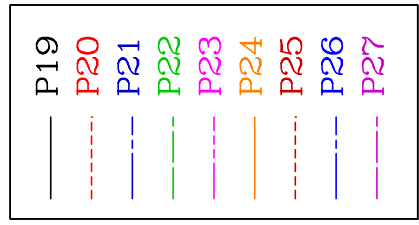
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

72-Hf-182



48

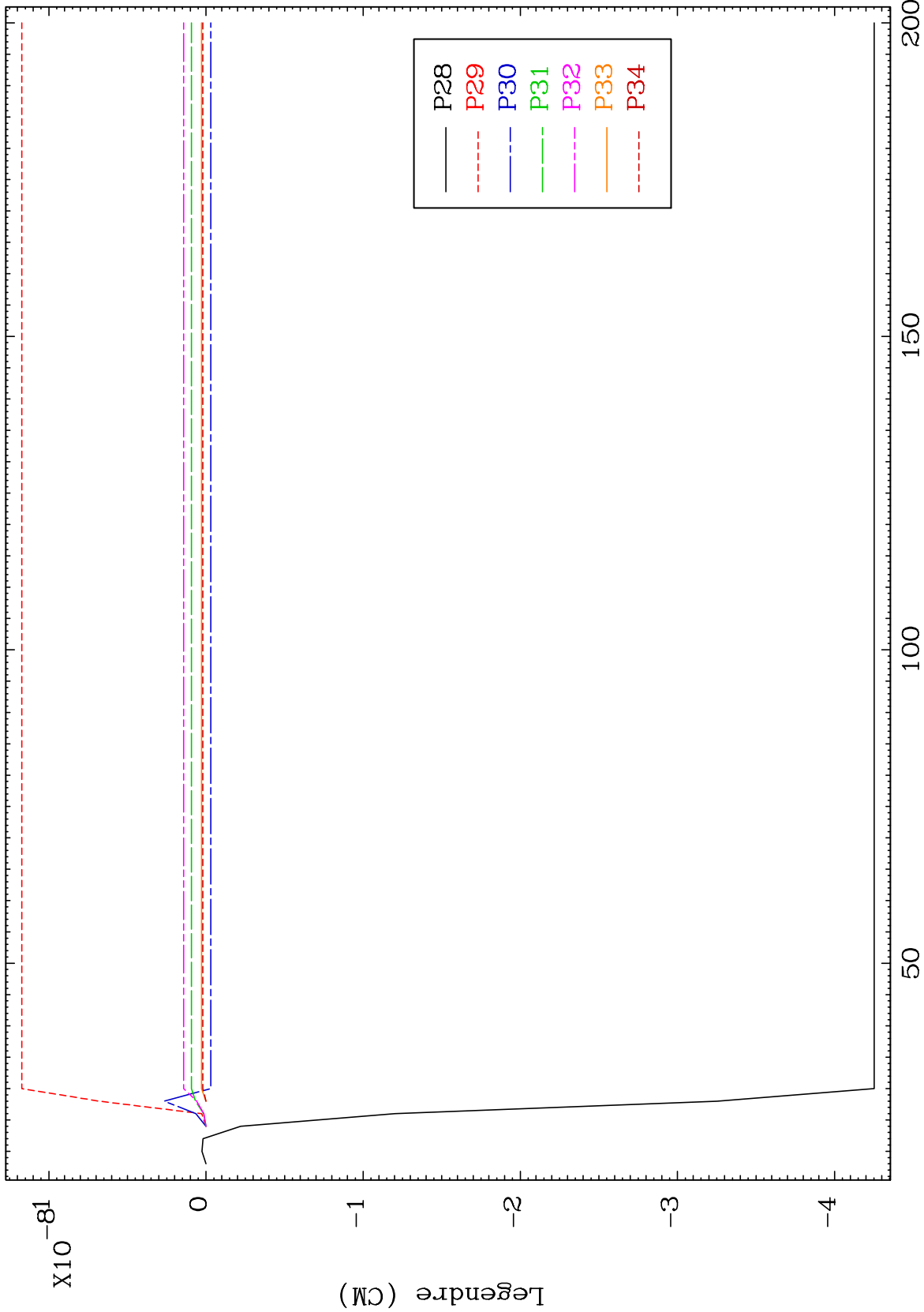
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

72-Hf-182



49

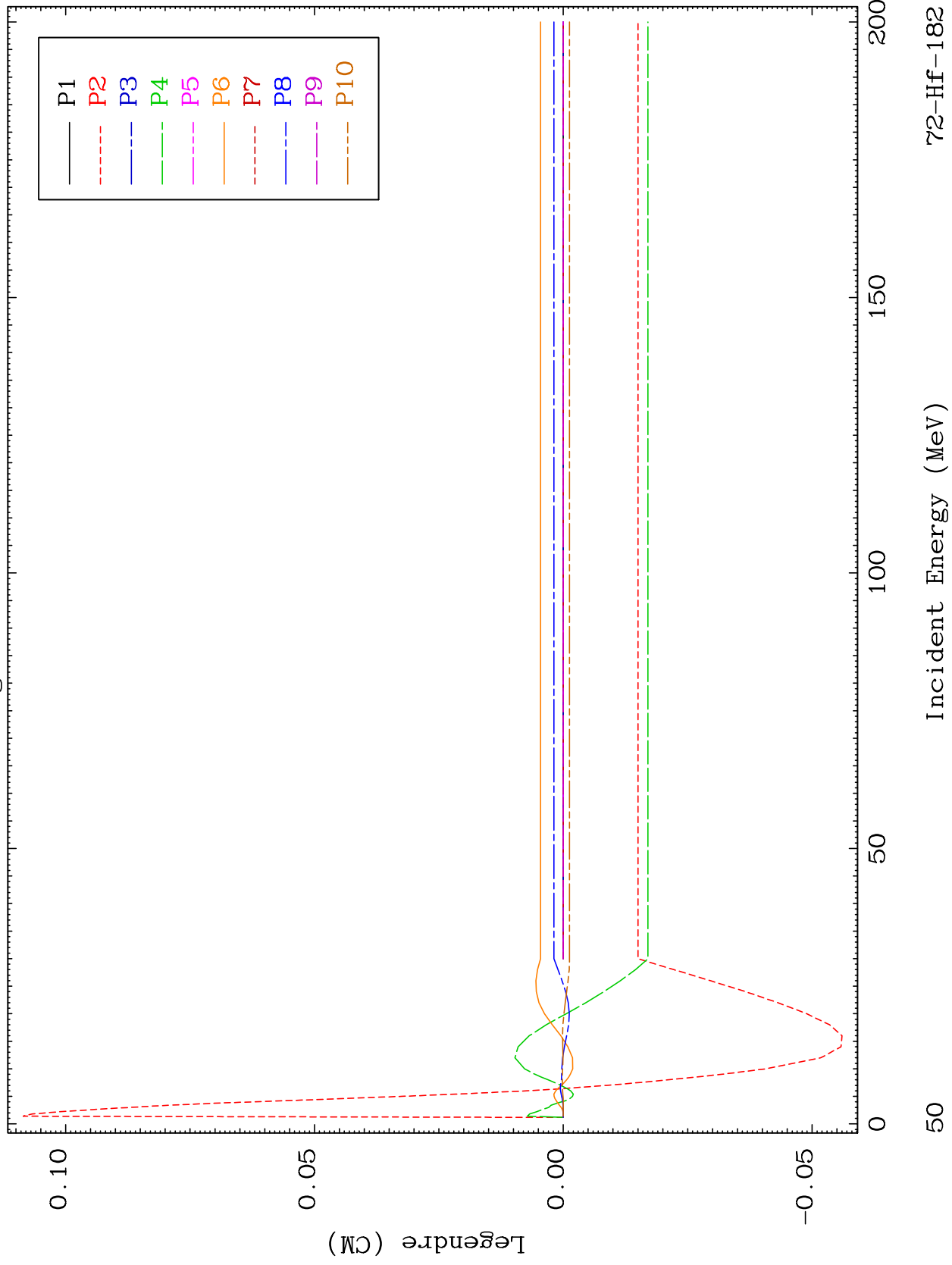
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

72-Hf-182



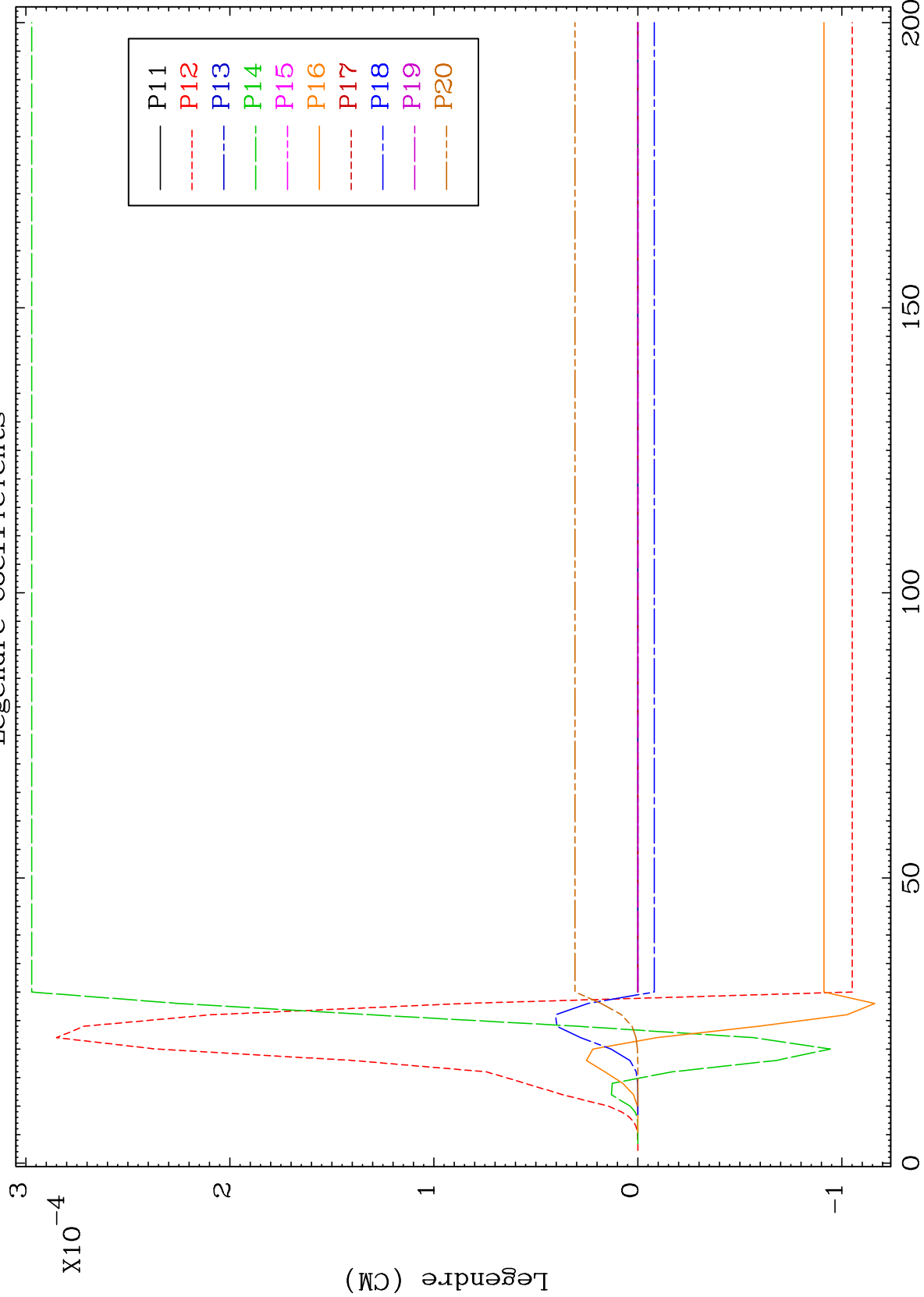
72-Hf-182

Incident Energy (MeV)

MAT 7249

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

72-Hf-182



51

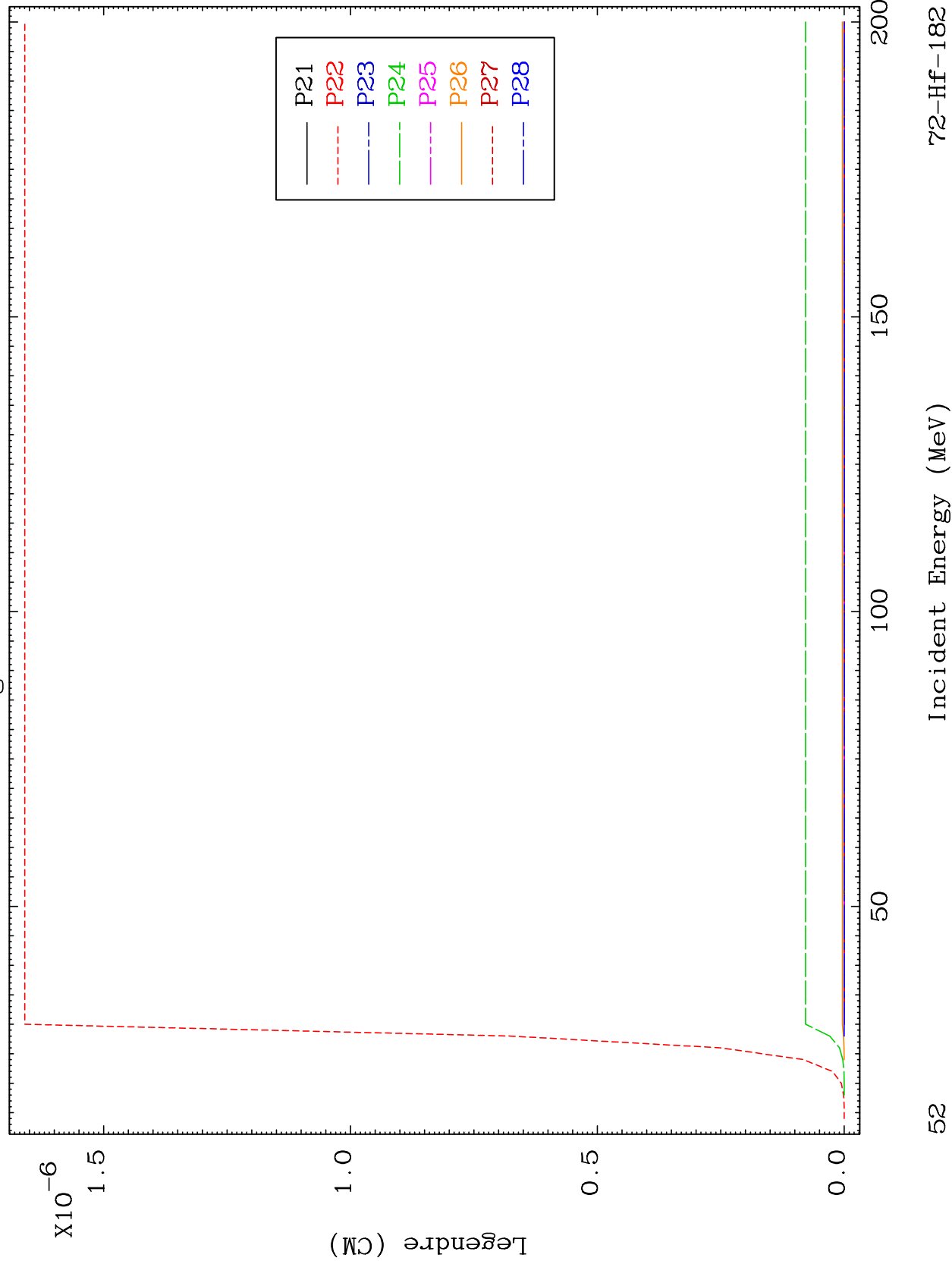
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

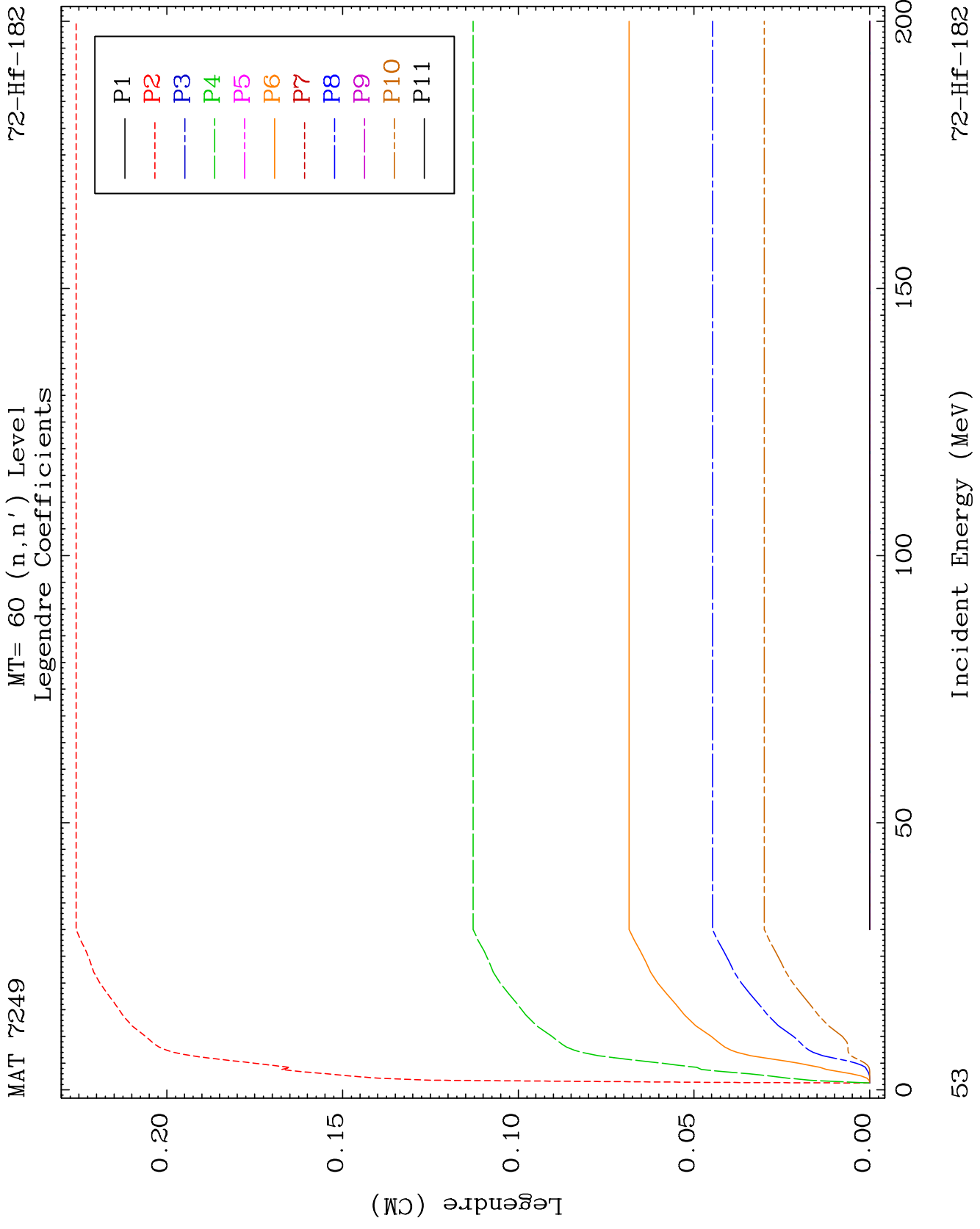
72-Hf-182



52

Incident Energy (MeV)

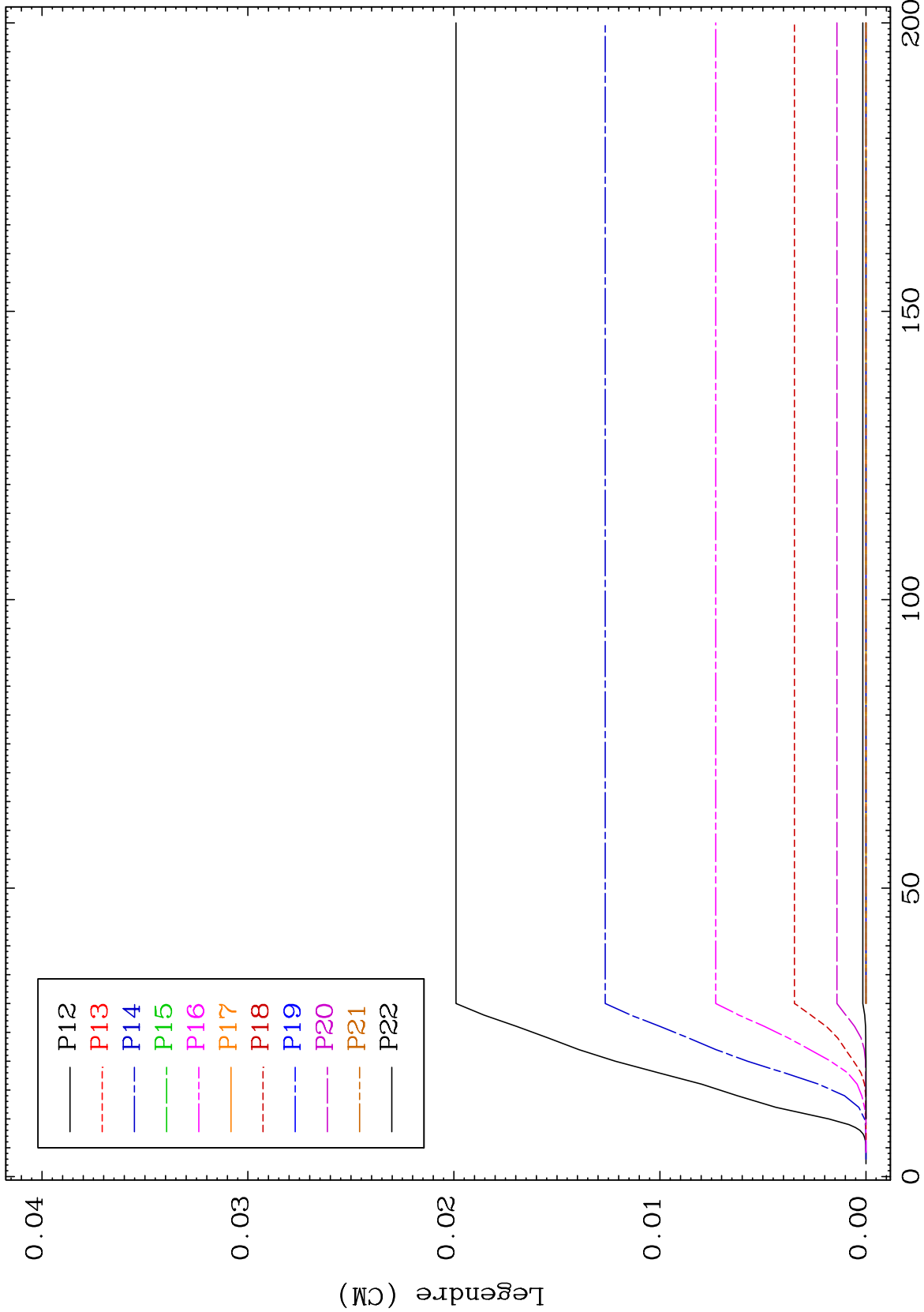
72-Hf-182



MAT 7249

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

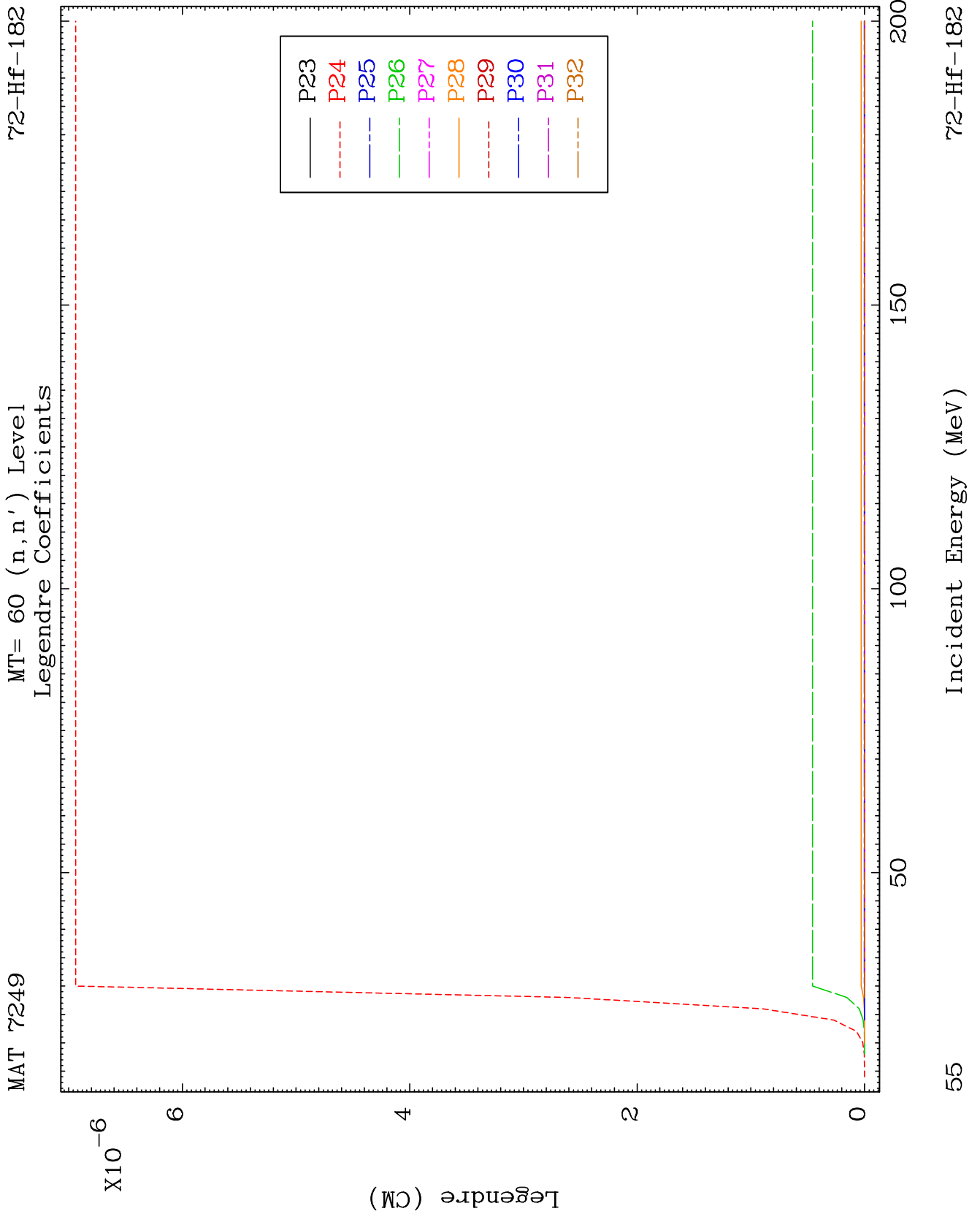
72-Hf-182



54

Incident Energy (MeV)

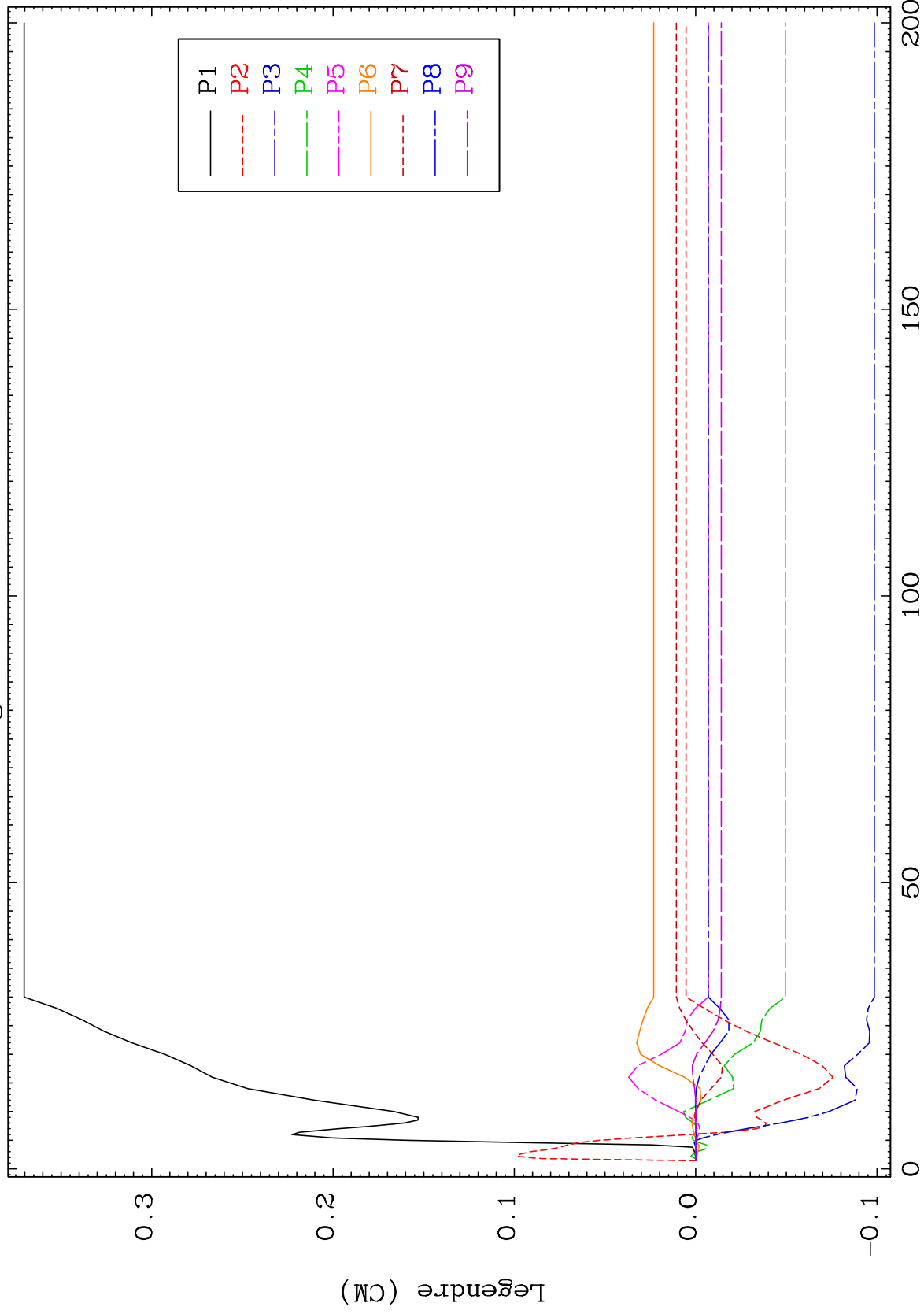
72-Hf-182



MAT 7249

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

72-Hf-182



56

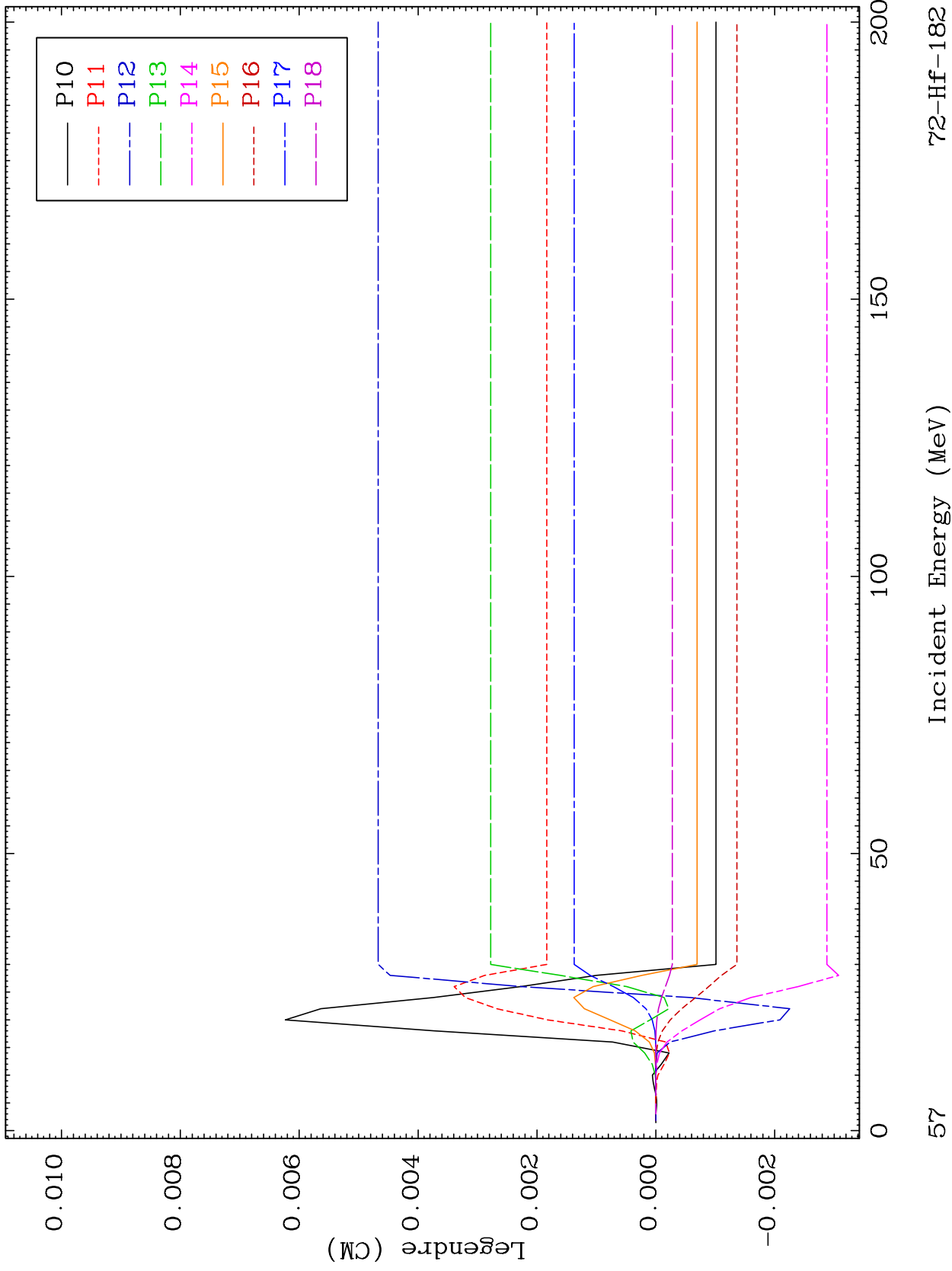
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

72-Hf-182



57

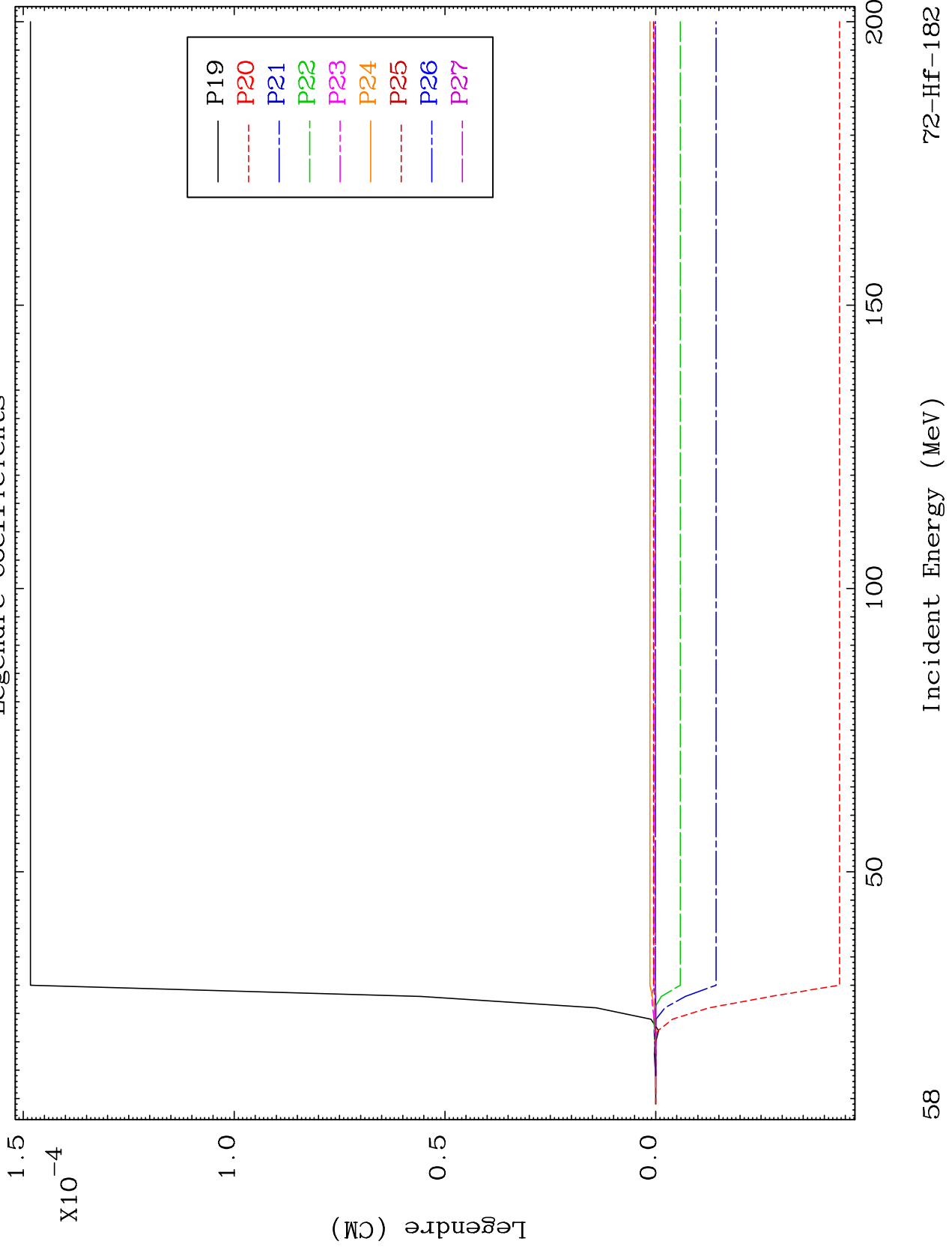
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

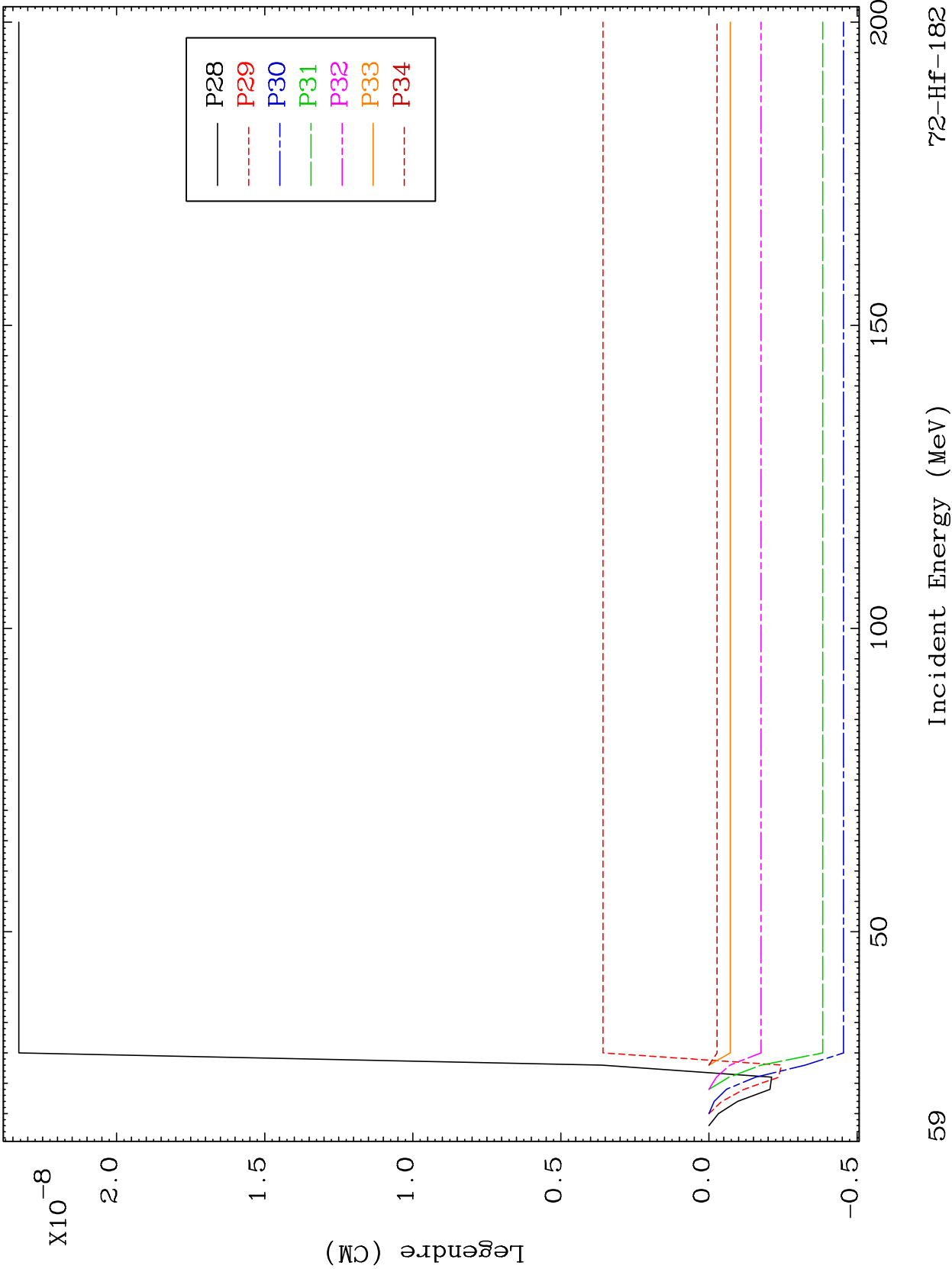
72-Hf-182



58

Incident Energy (MeV)

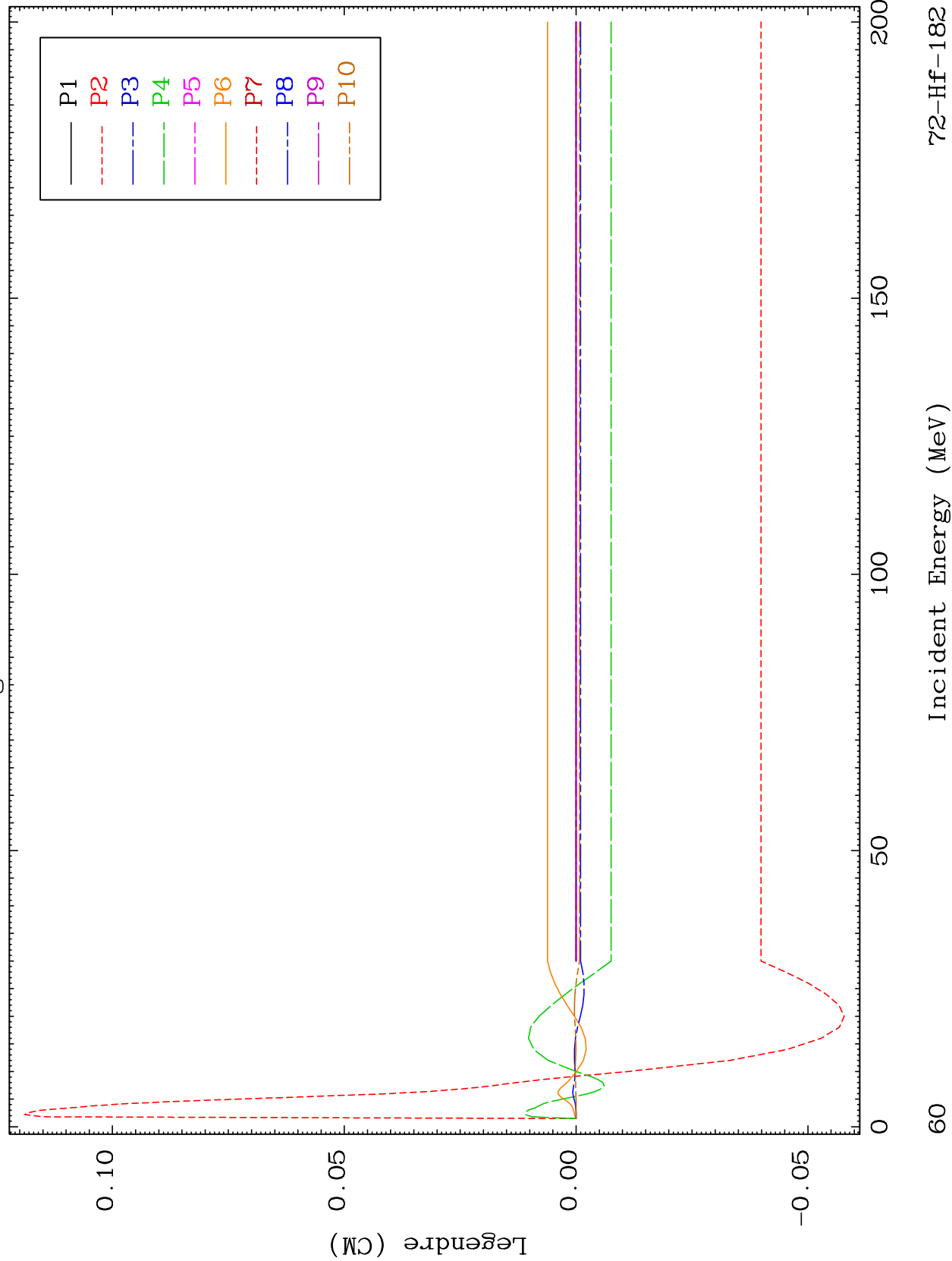
72-Hf-182



MAT 7249

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

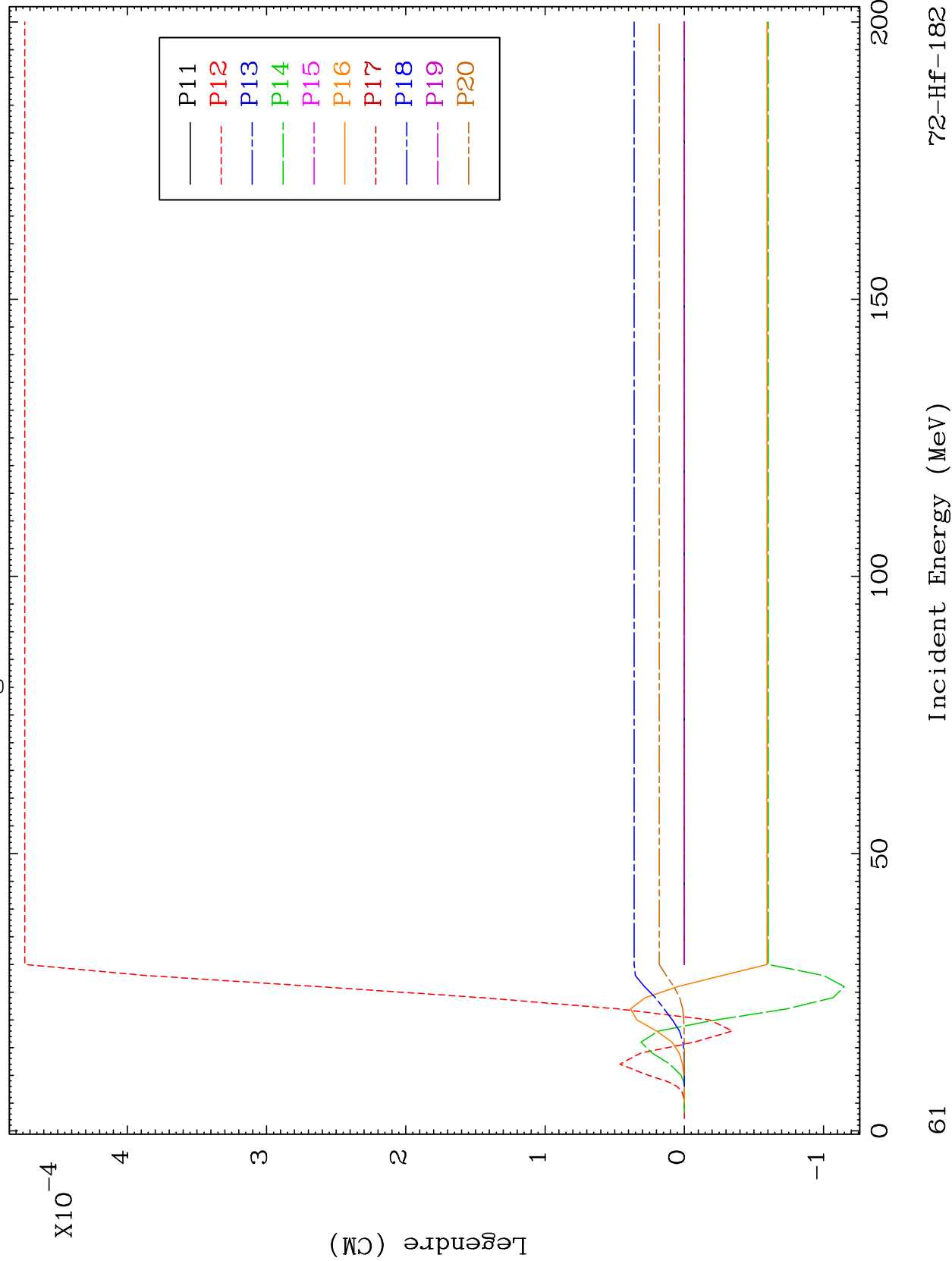
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MAT 7249

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

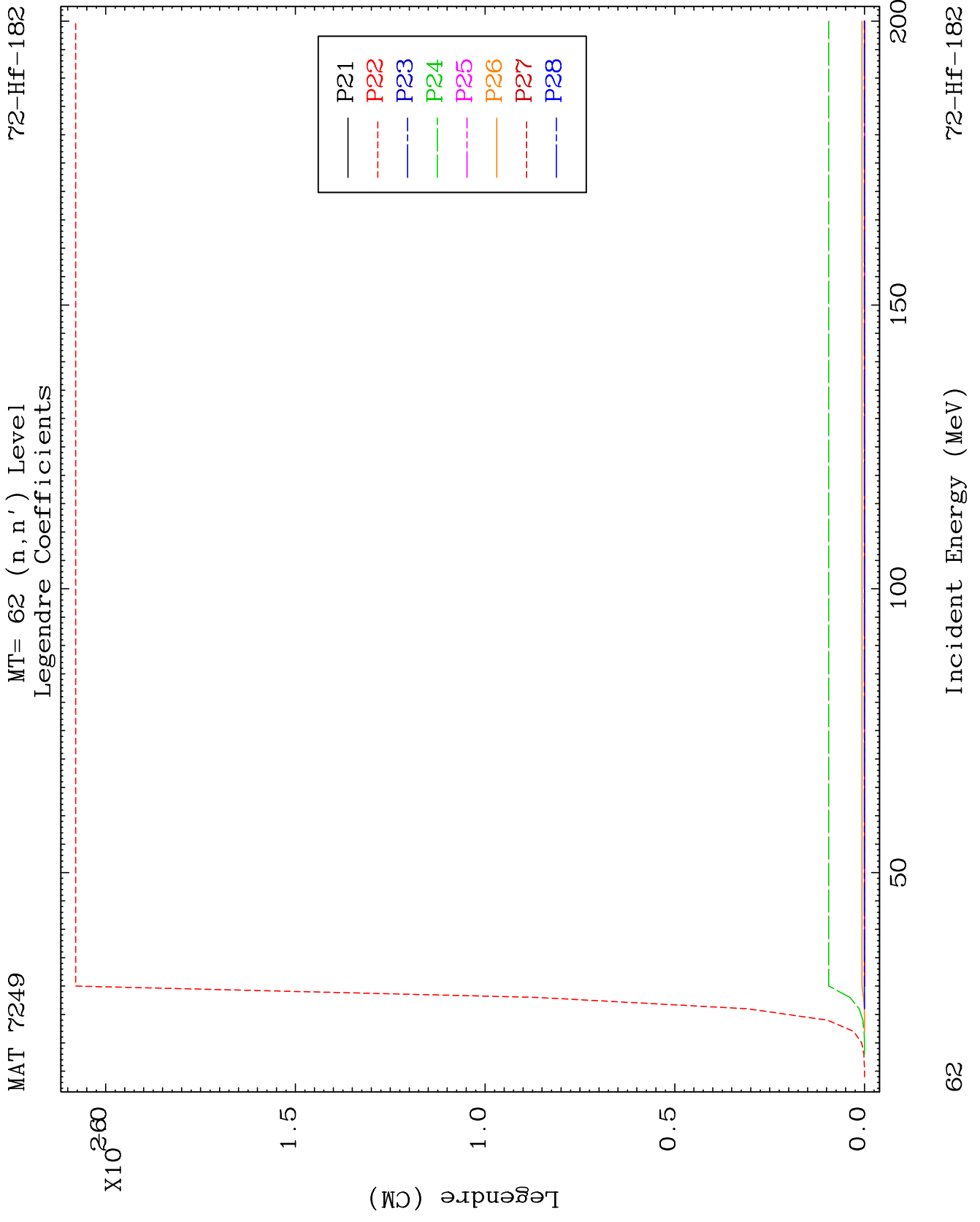
72-Hf-182



72-Hf-182

Incident Energy (MeV)

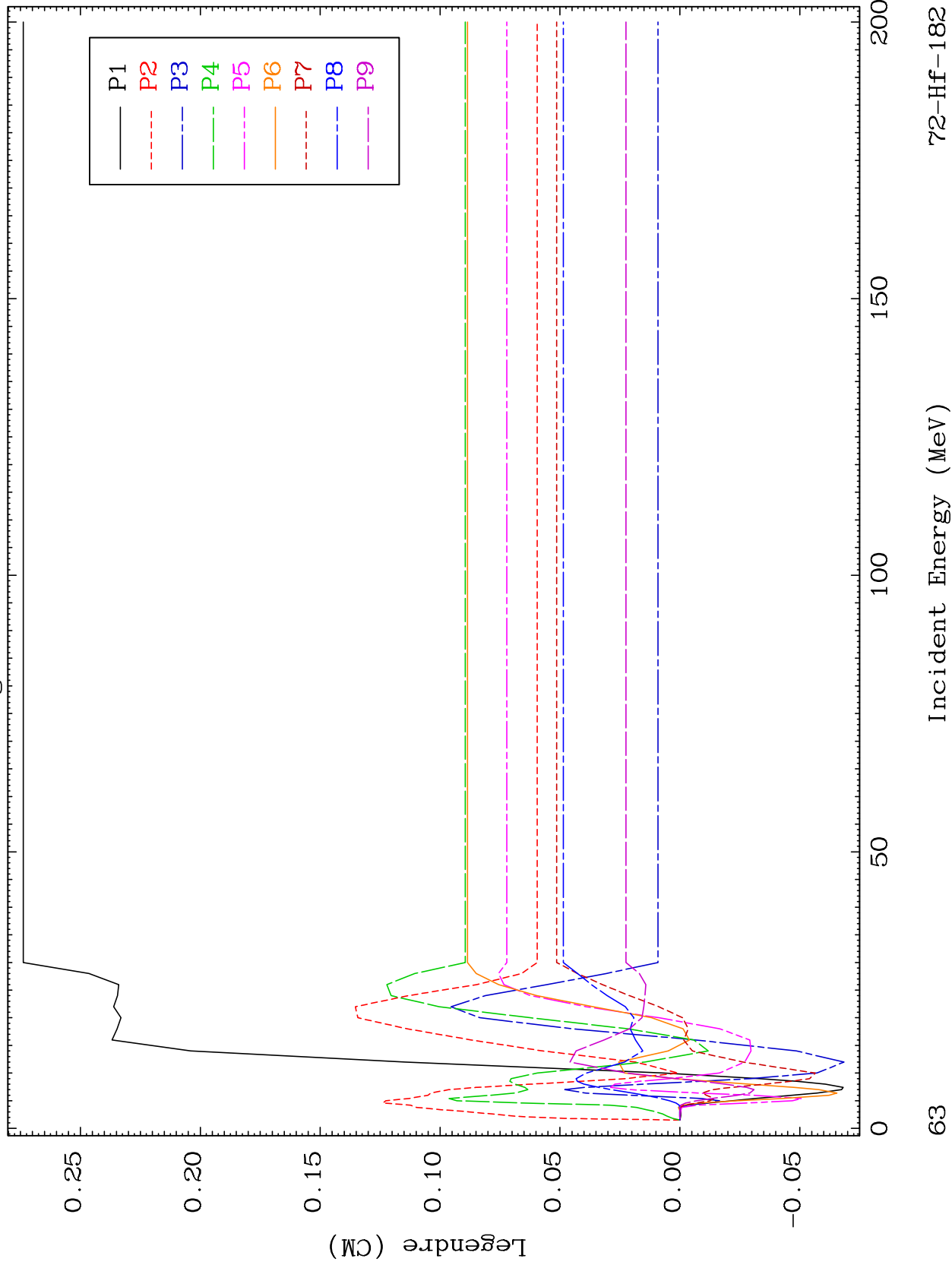
61



MAT 7249

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

72-Hf-182



72-Hf-182

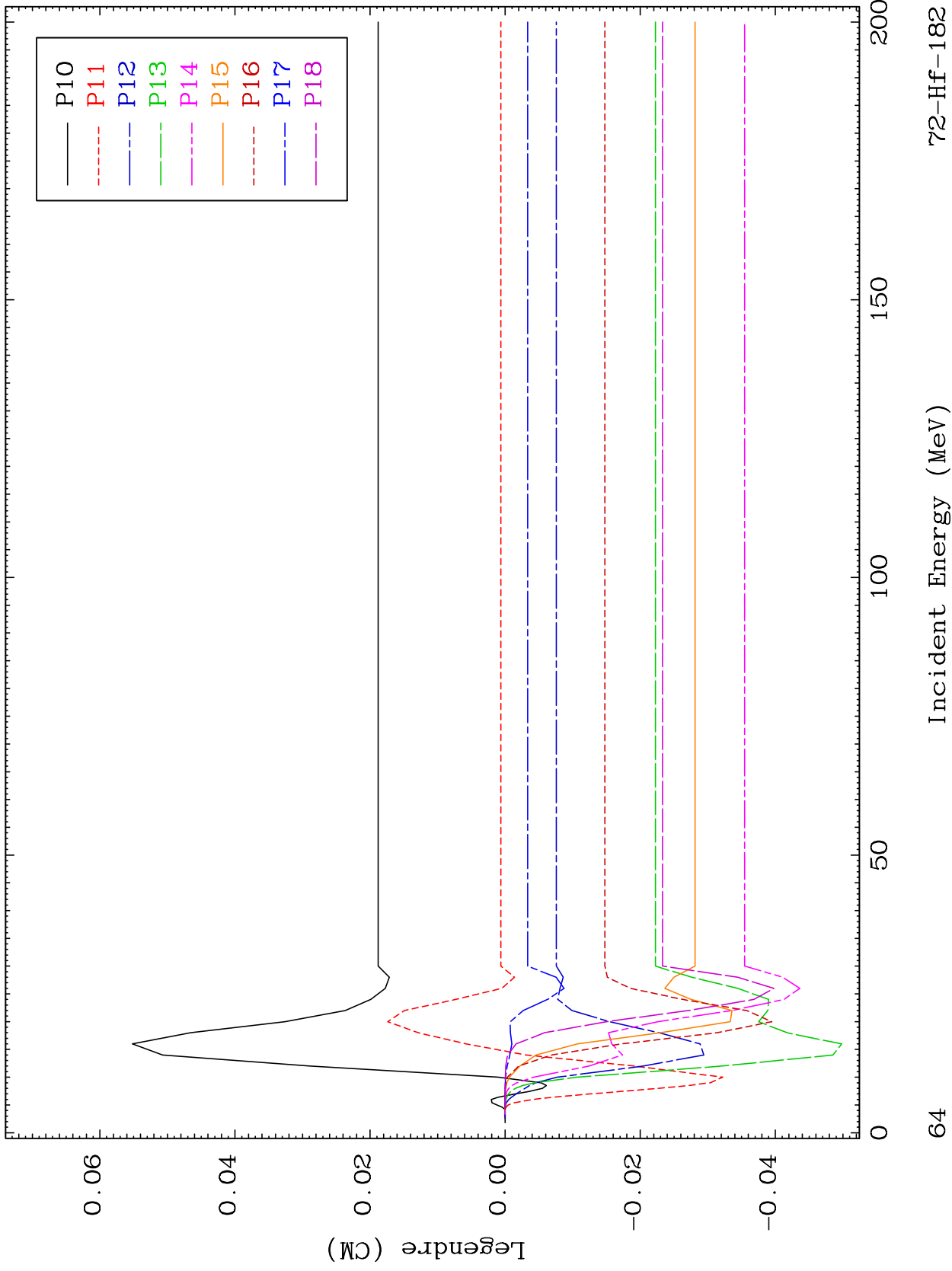
Incident Energy (MeV)

63

MAT 7249

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

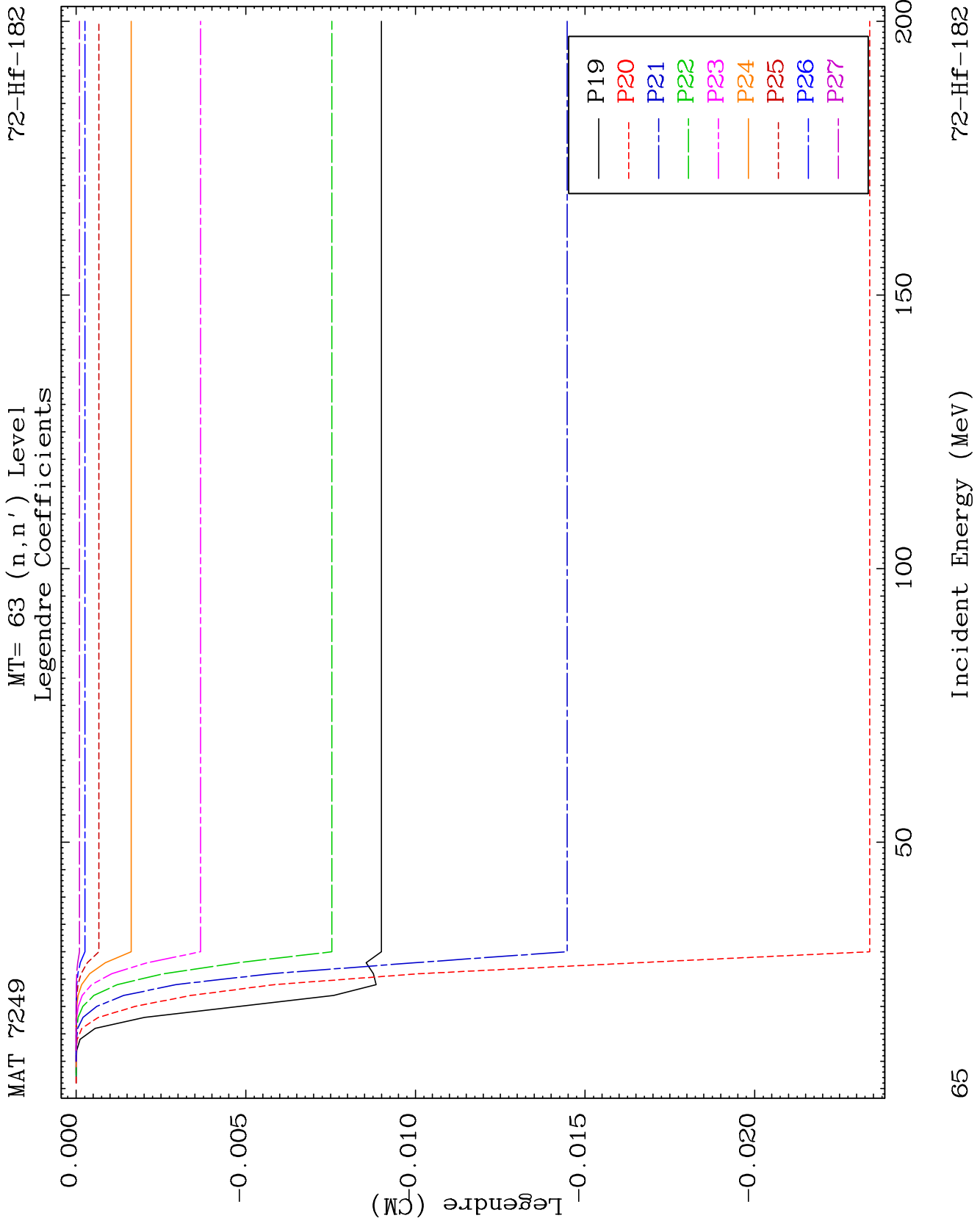
72-Hf-182



64

Incident Energy (MeV)

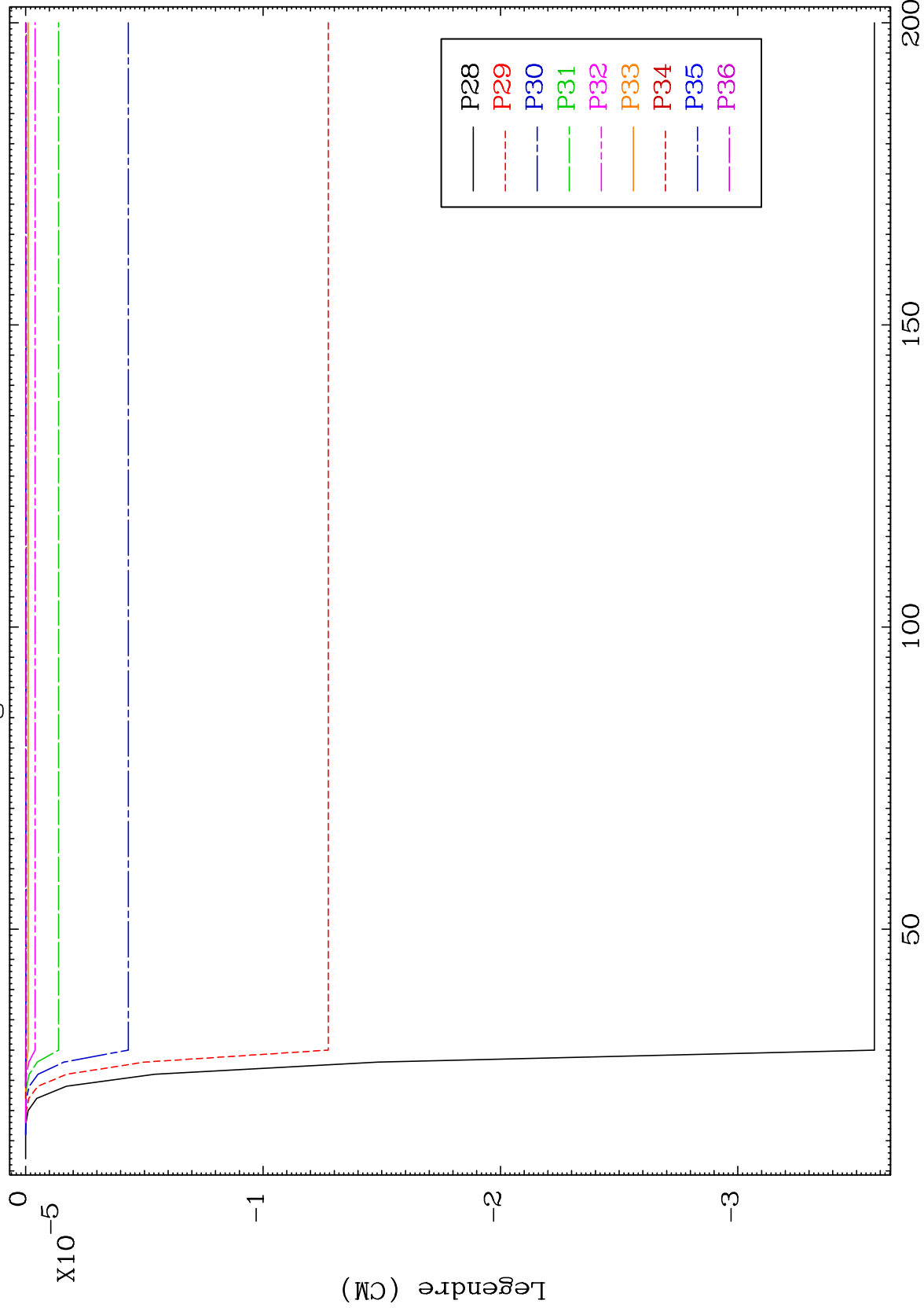
72-Hf-182



MAT 7249

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

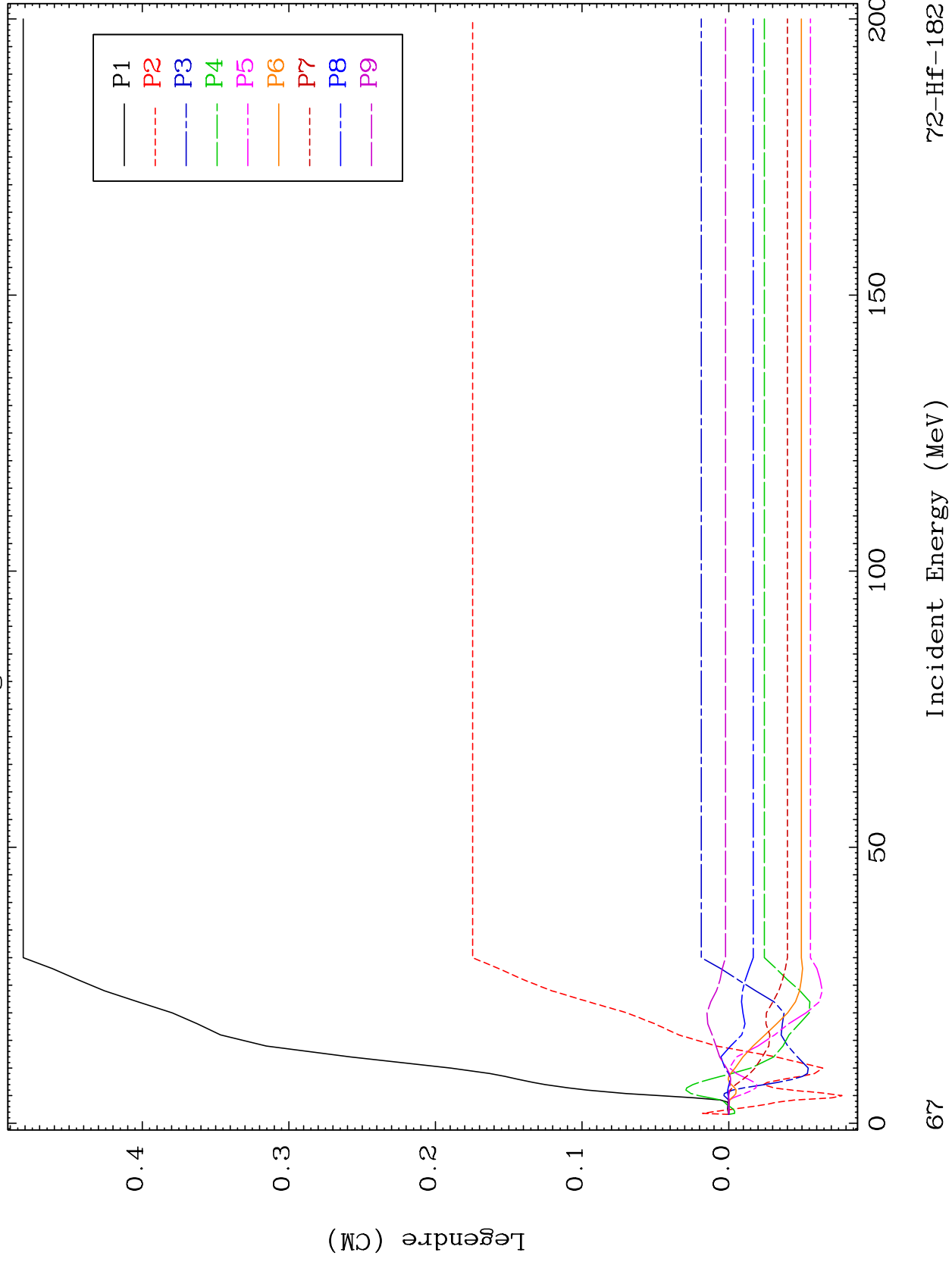
72-Hf-182



MAT 7249

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

72-Hf-182



72-Hf-182

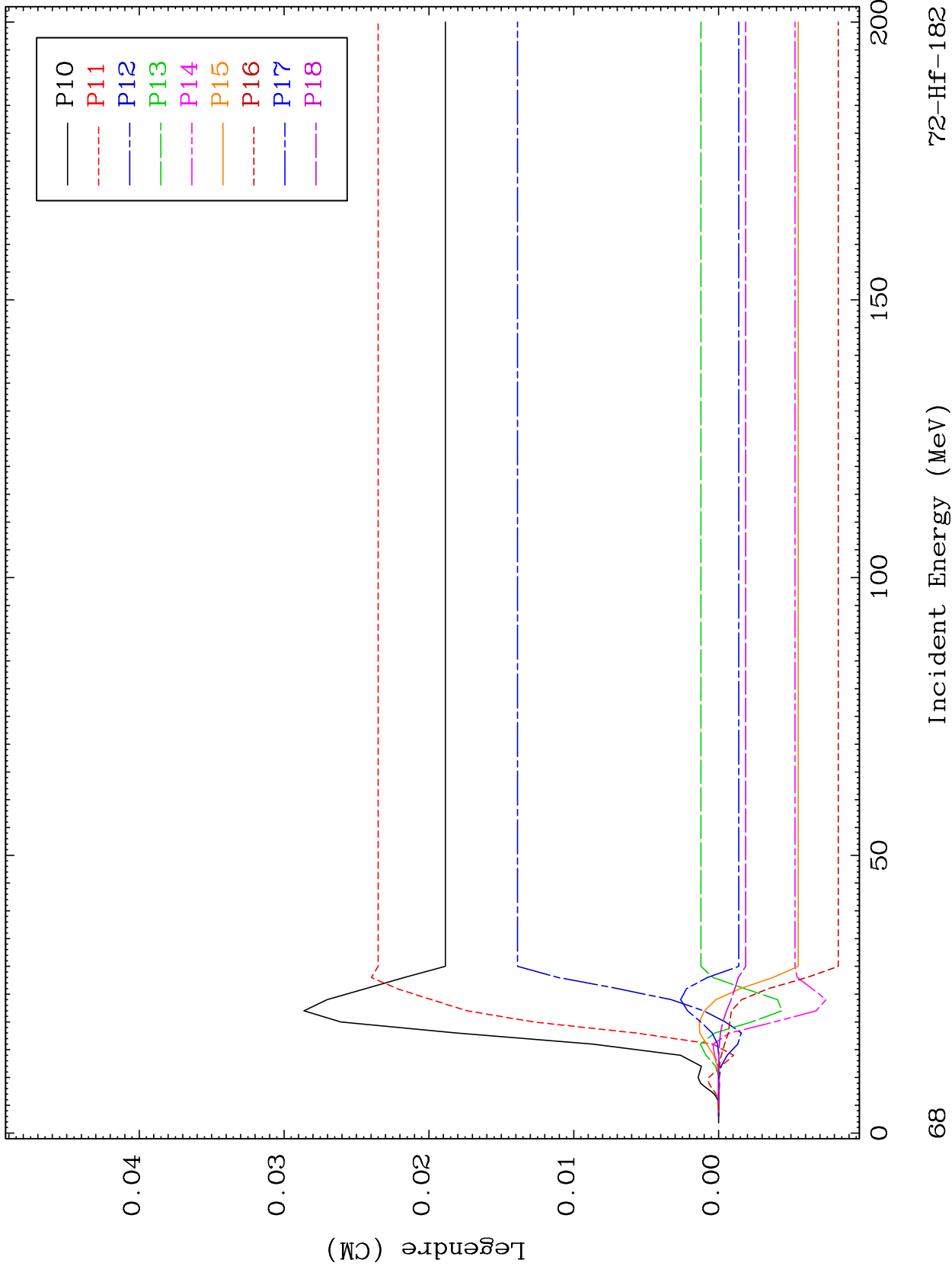
Incident Energy (MeV)

67

MAT 7249

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

72-Hf-182



68

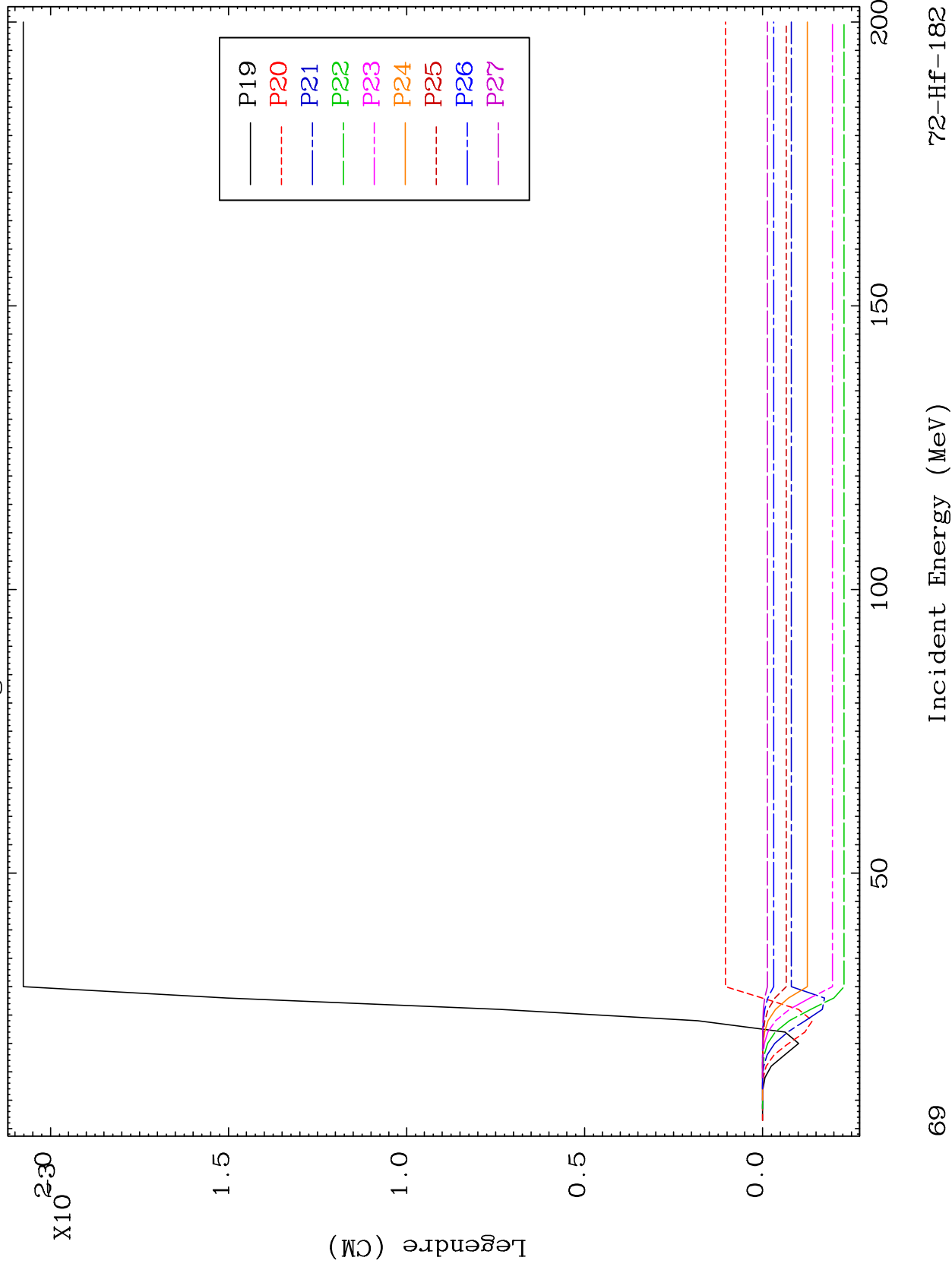
Incident Energy (MeV)

72-Hf-182

MAT 7249

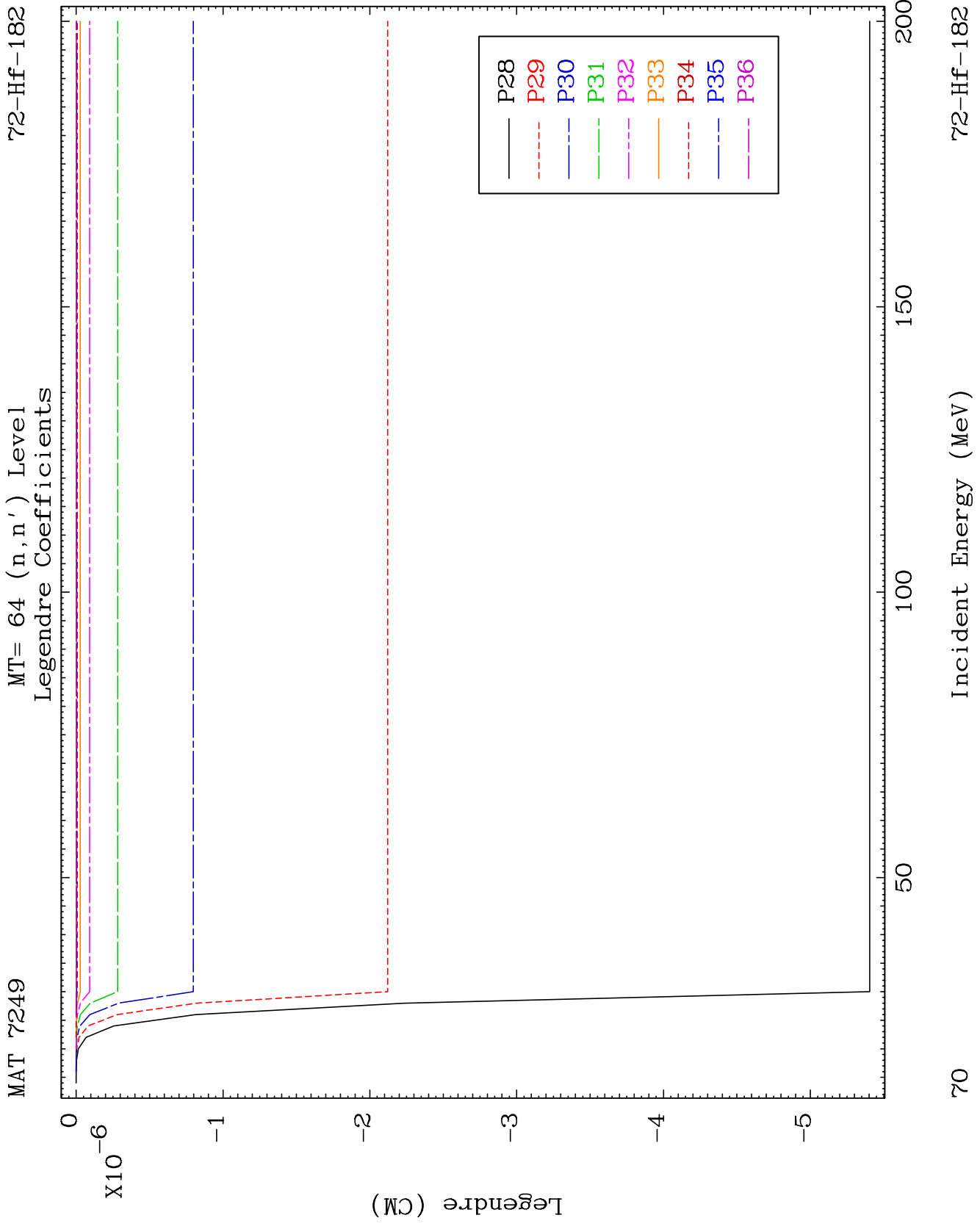
MT= 64 (n,n') Level
Legendre Coefficients

72-Hf-182



69

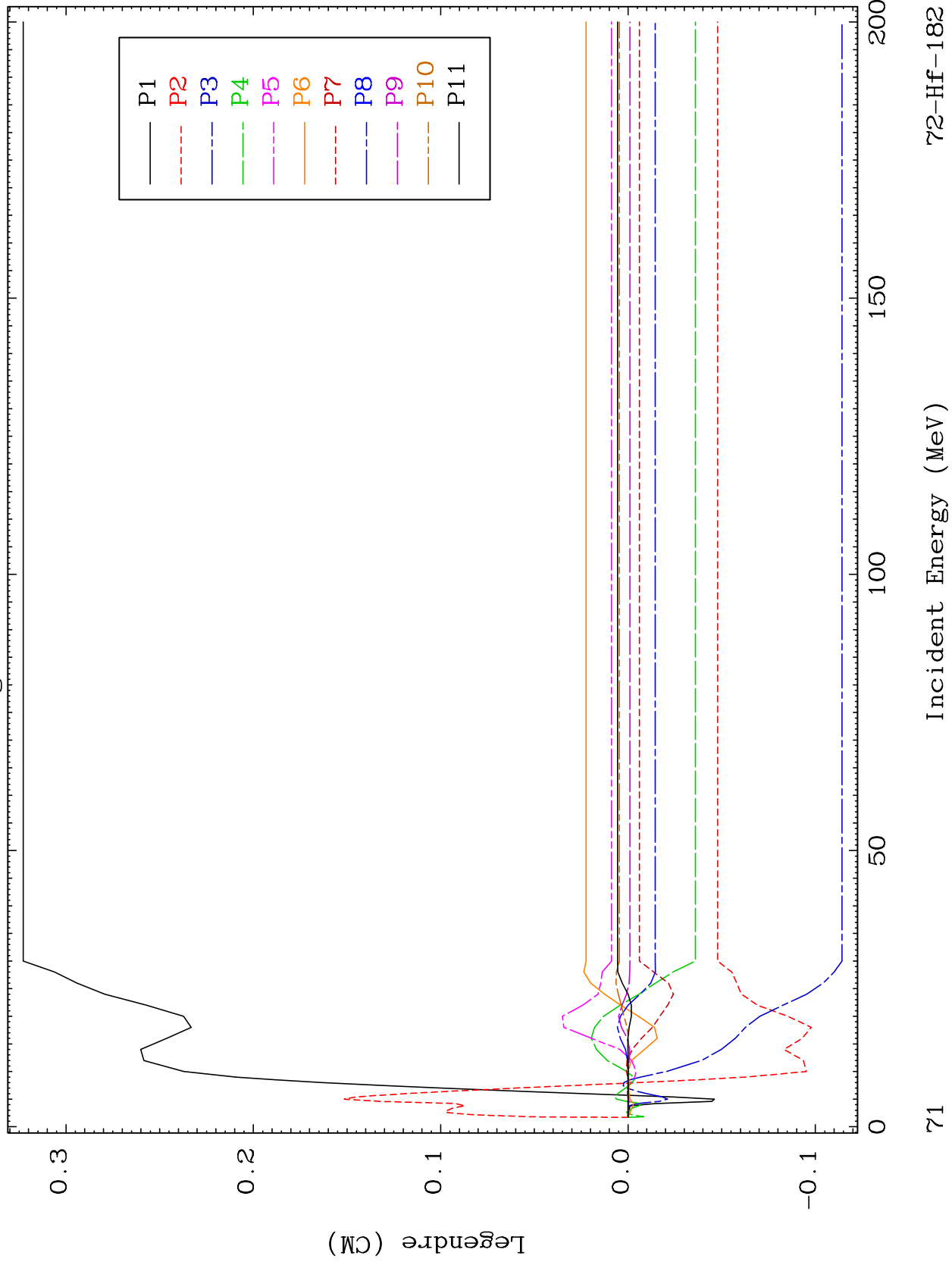
72-Hf-182



MAT 7249

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

72-Hf-182



71

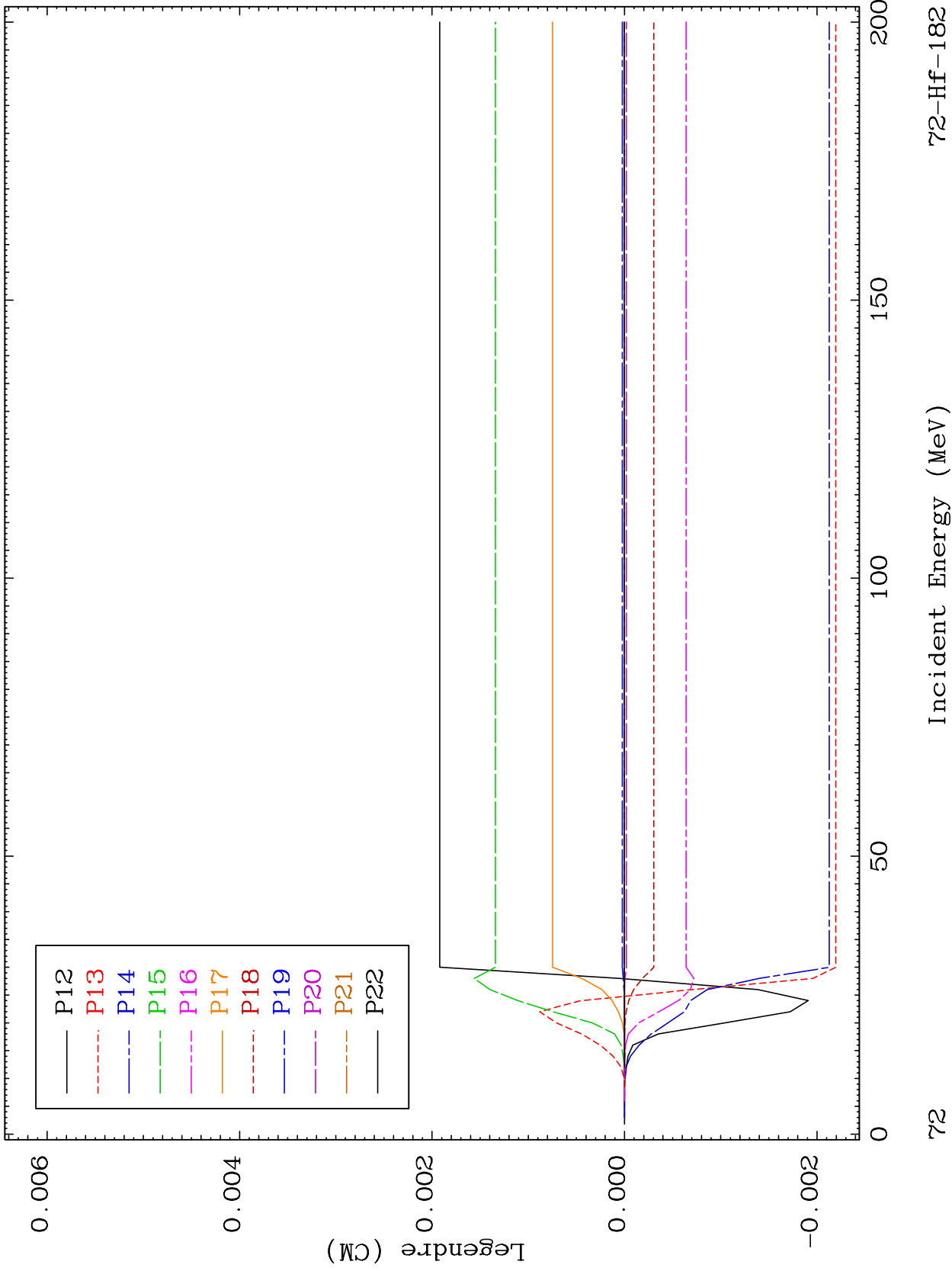
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

72-Hf-182



72-Hf-182

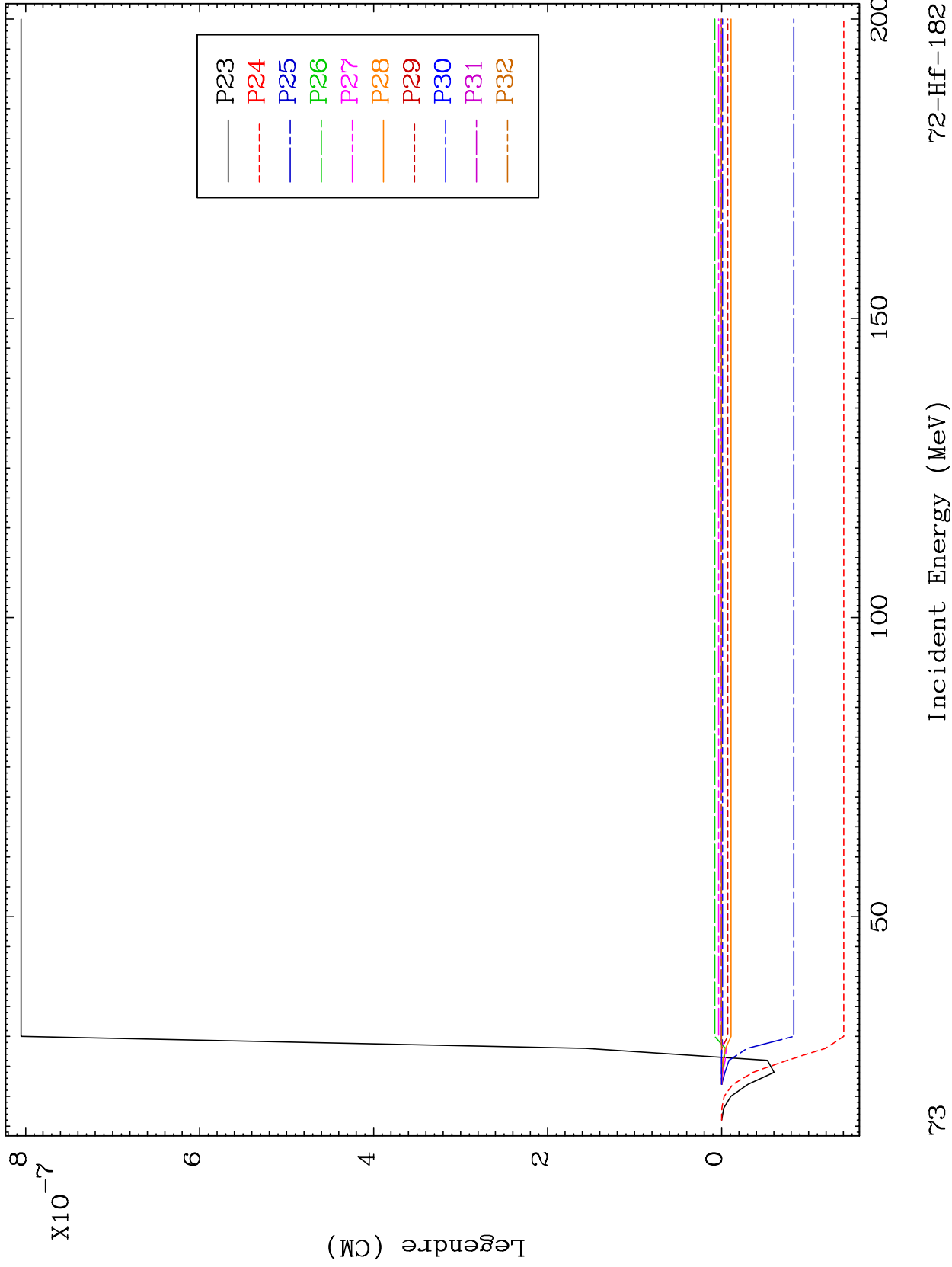
Incident Energy (MeV)

72

MAT 7249

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

72-Hf-182



73

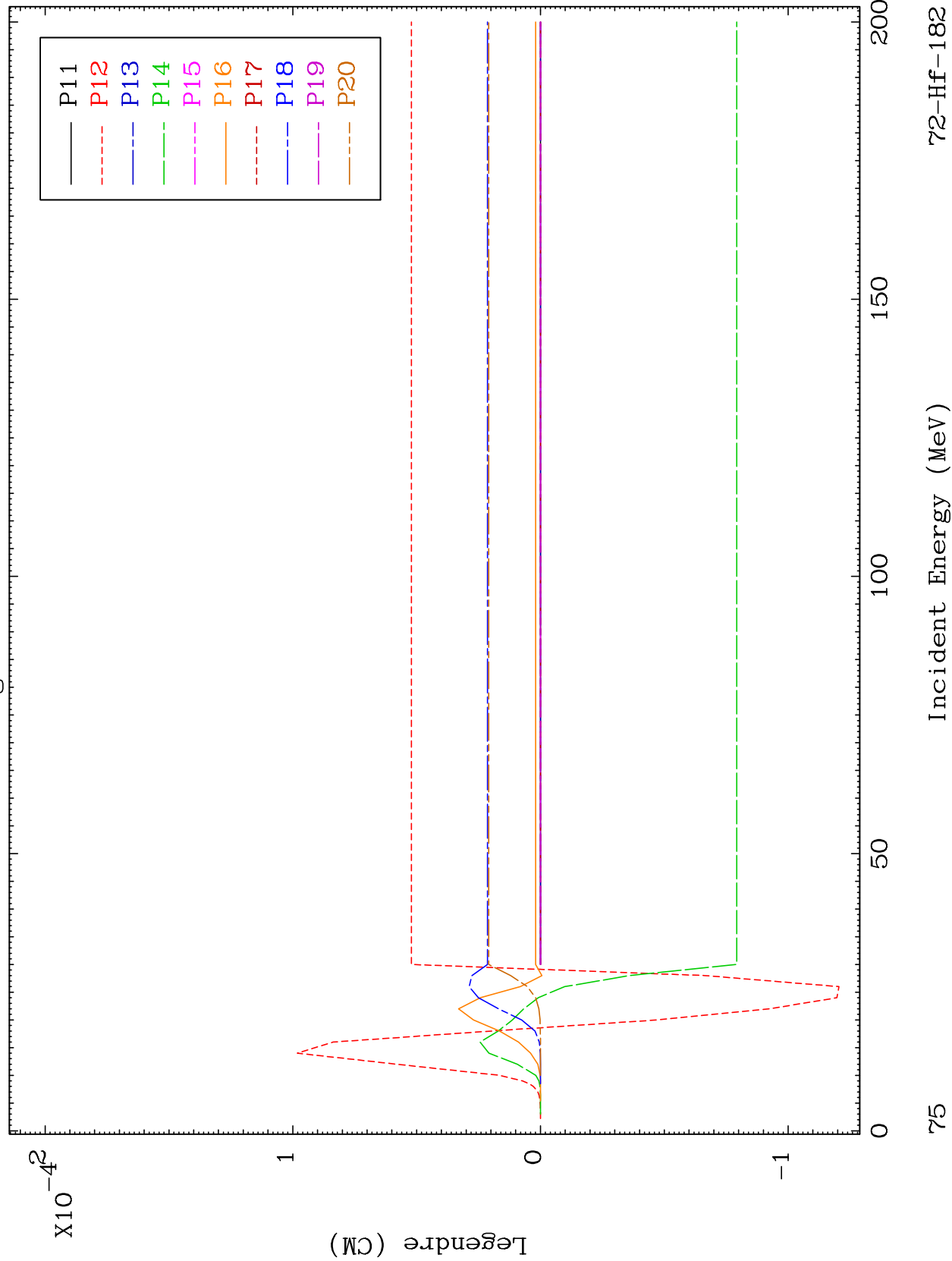
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

72-Hf-182



75

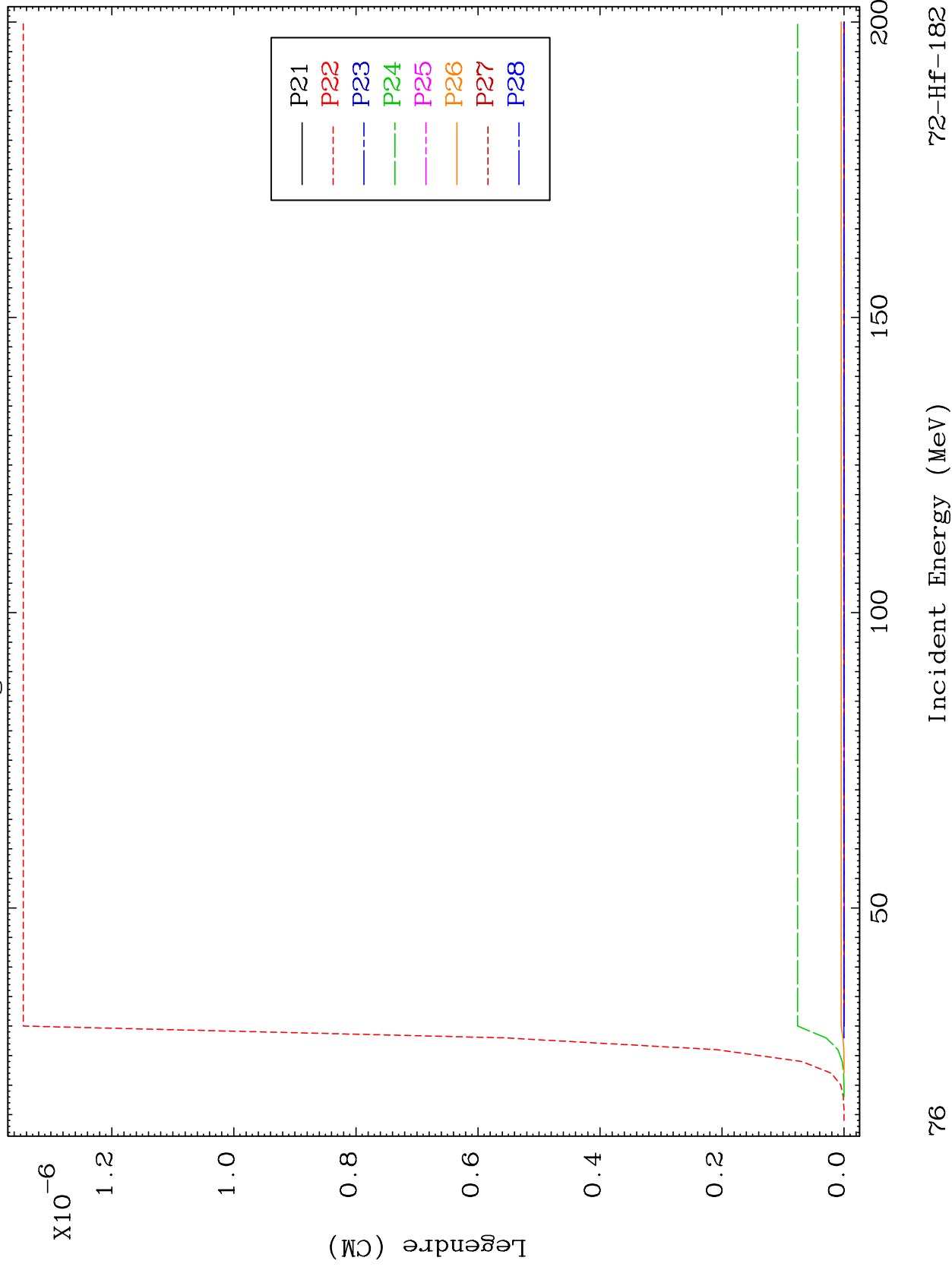
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

72-Hf-182



76

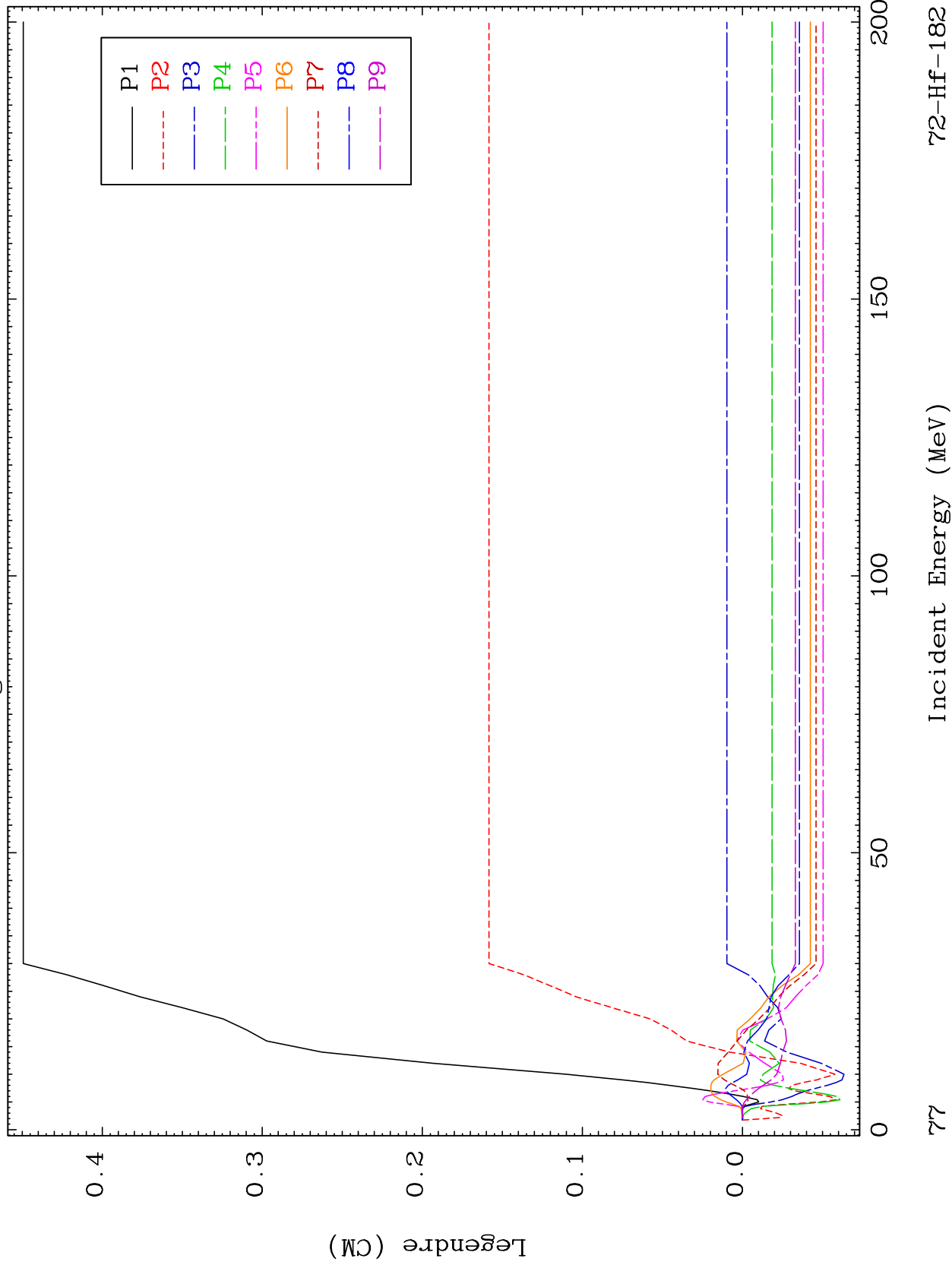
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

72-Hf-182



77

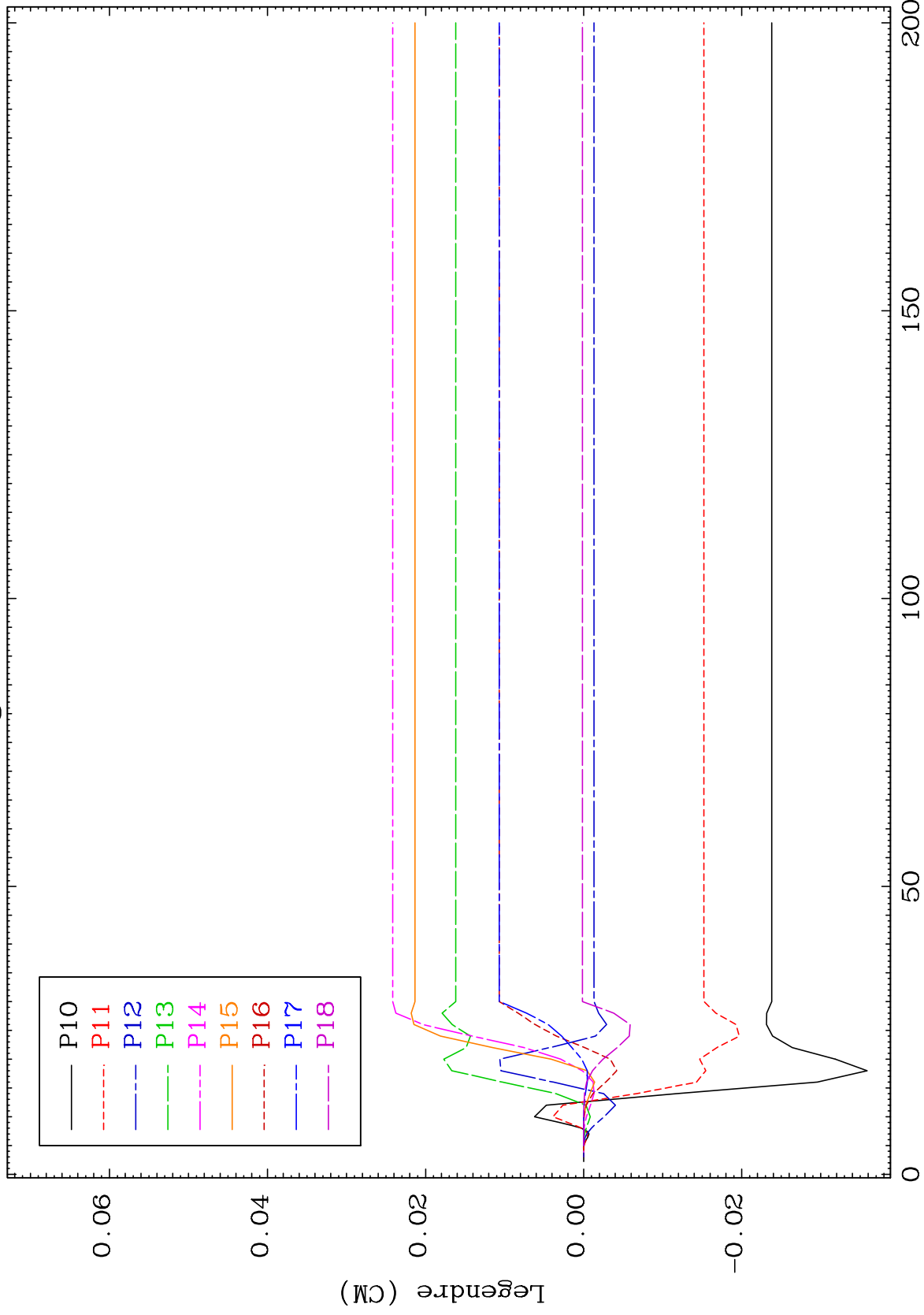
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

72-Hf-182



78

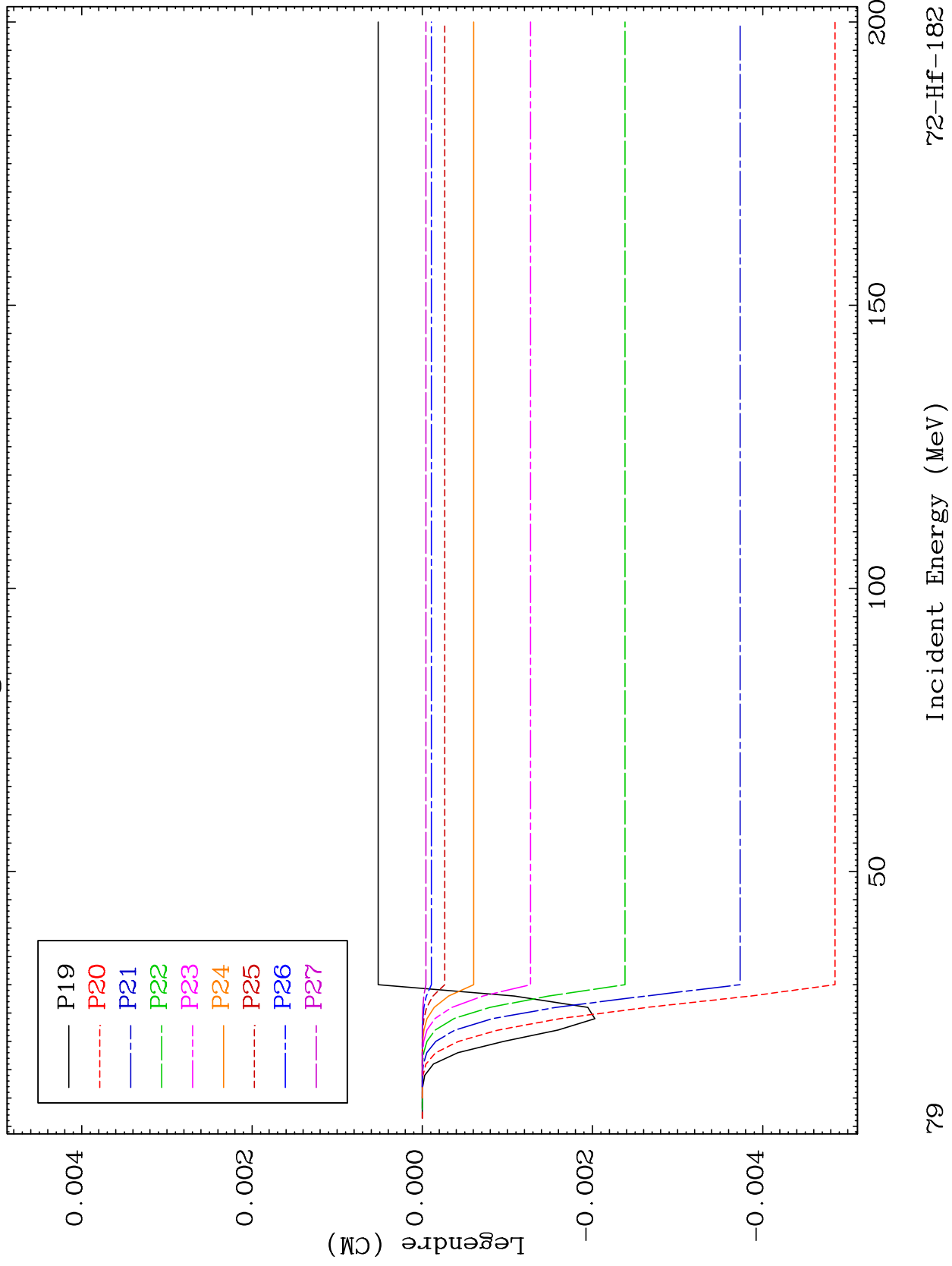
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

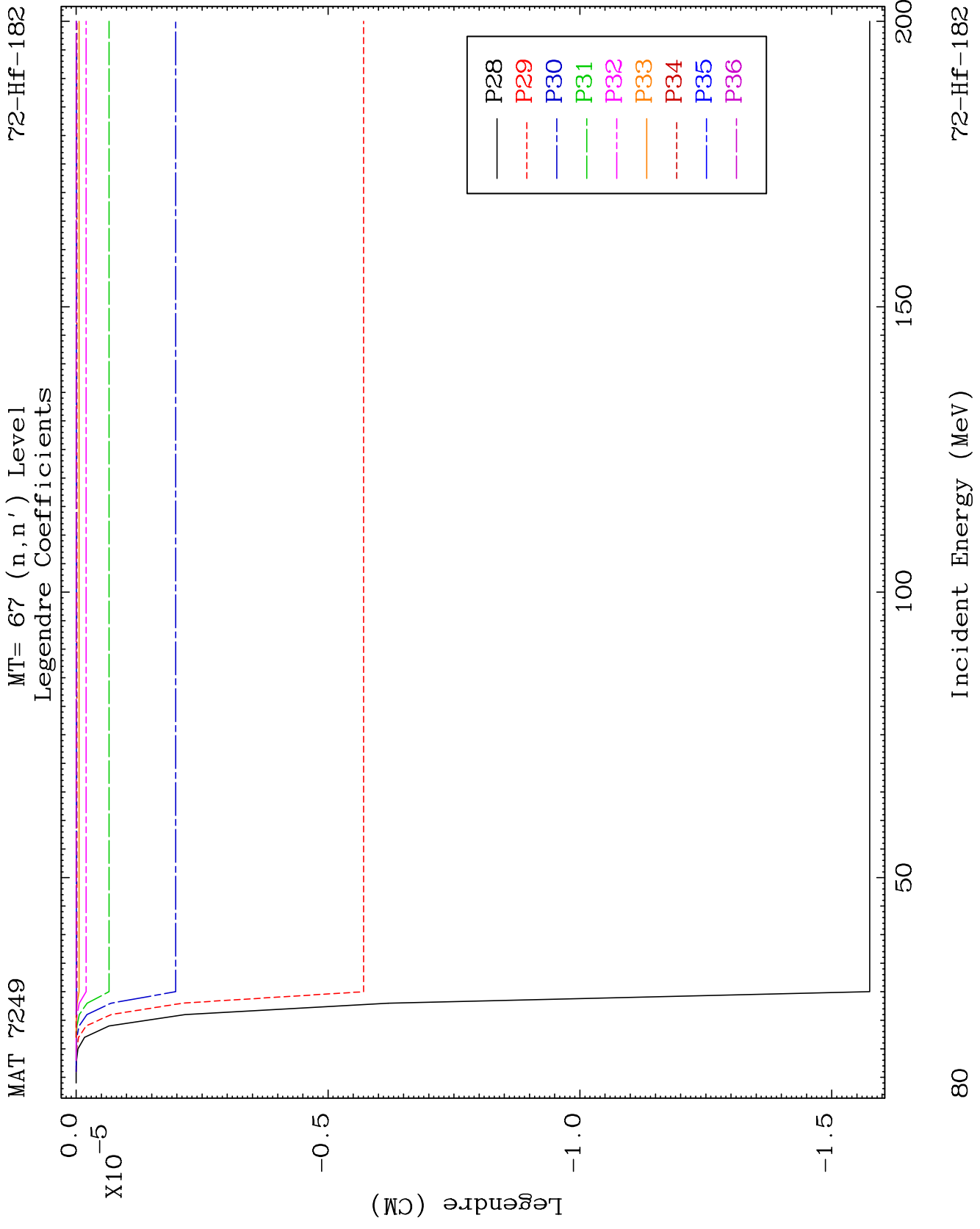
72-Hf-182



79

Incident Energy (MeV)

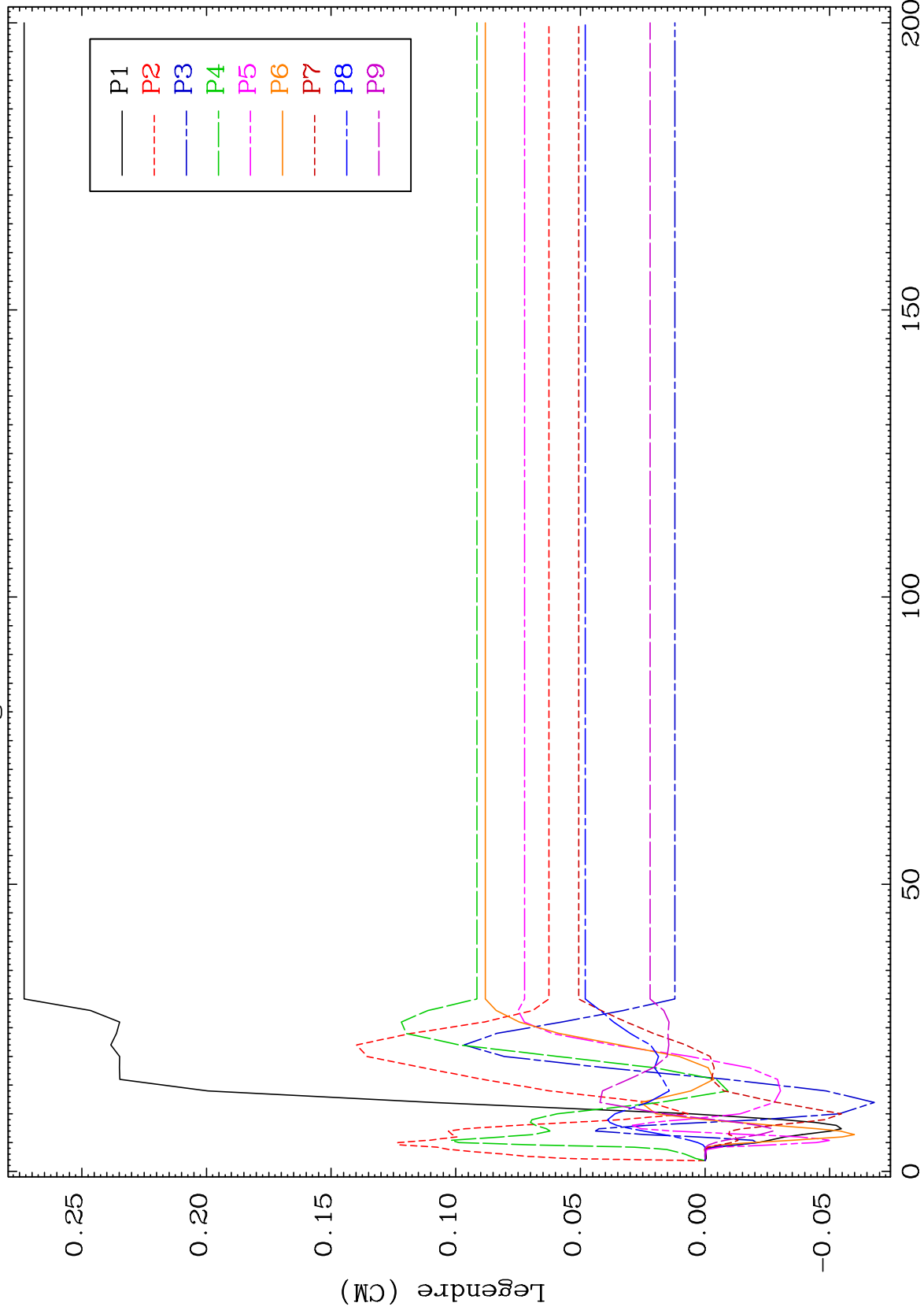
72-Hf-182



MAT 7249

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

72-Hf-182



81

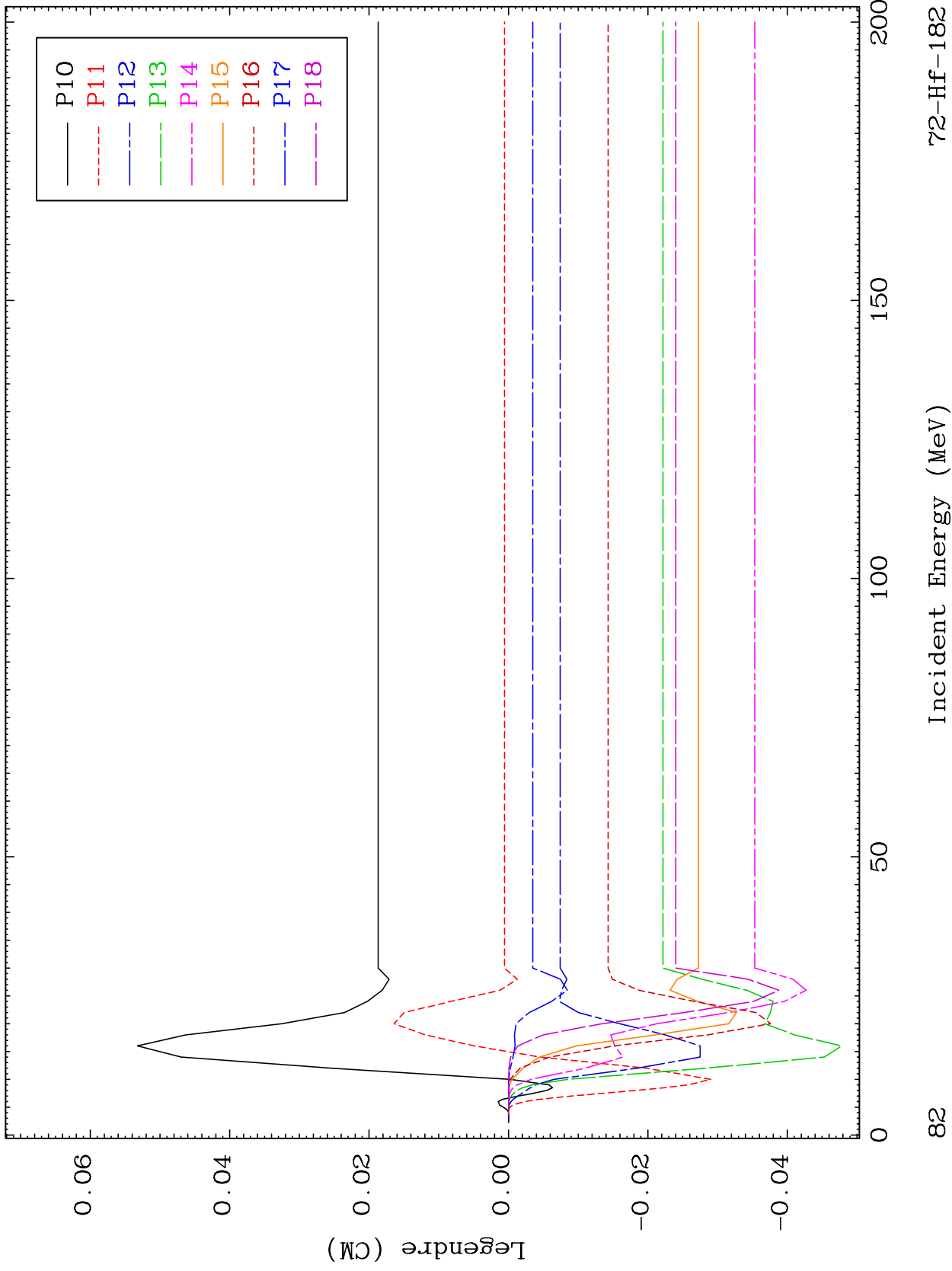
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

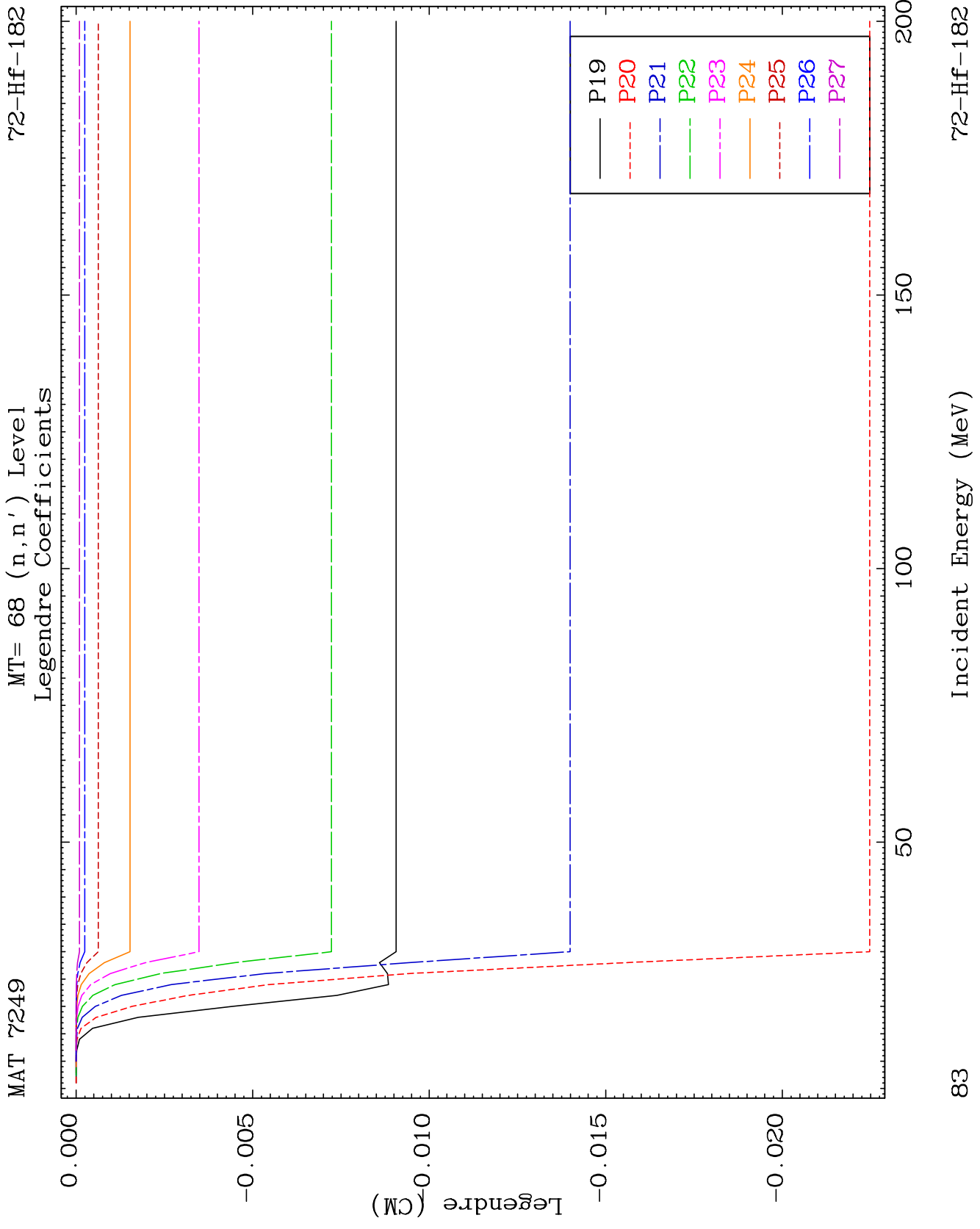
72-Hf-182



72-Hf-182

Incident Energy (MeV)

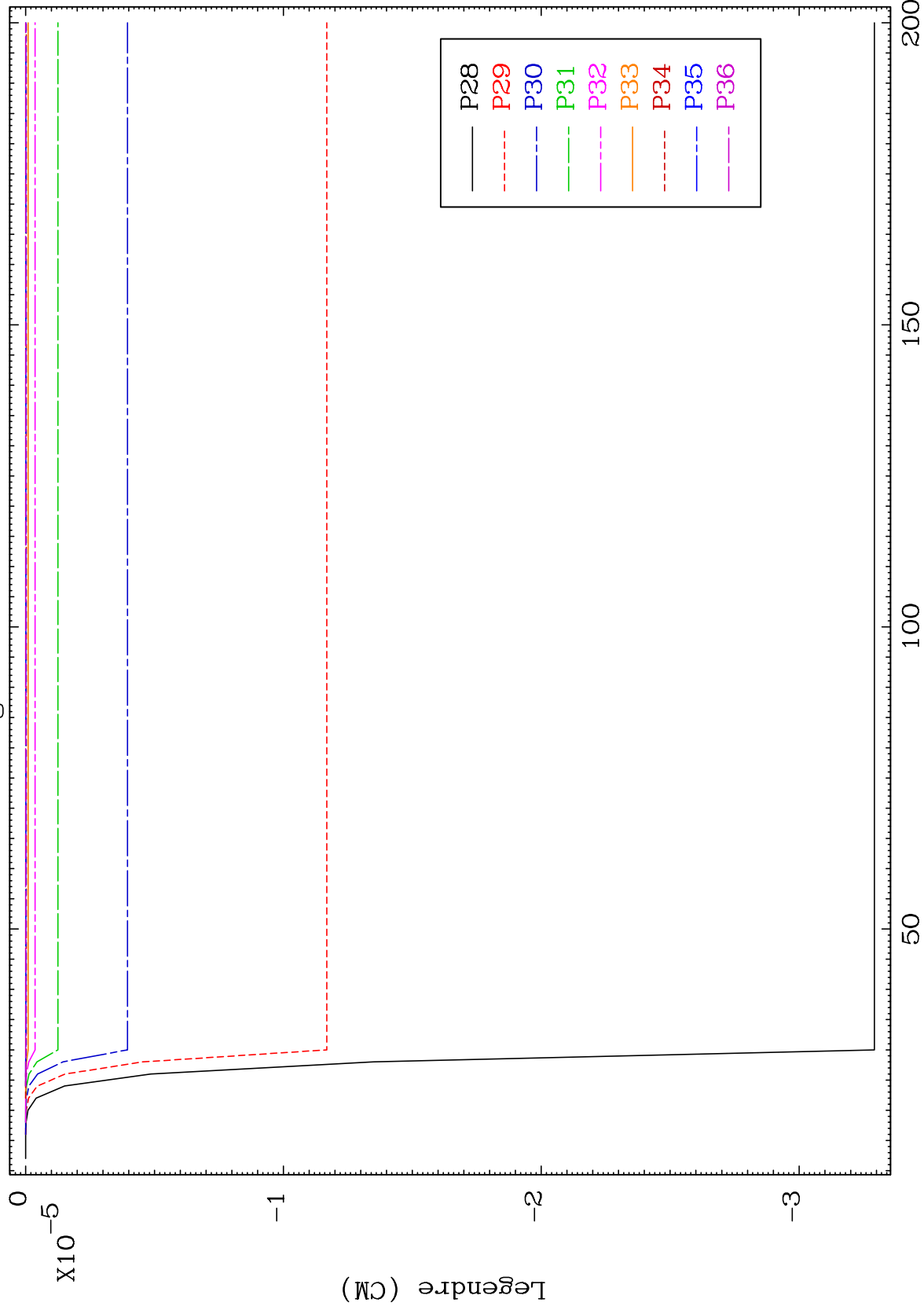
82



MAT 7249

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

72-Hf-182



84

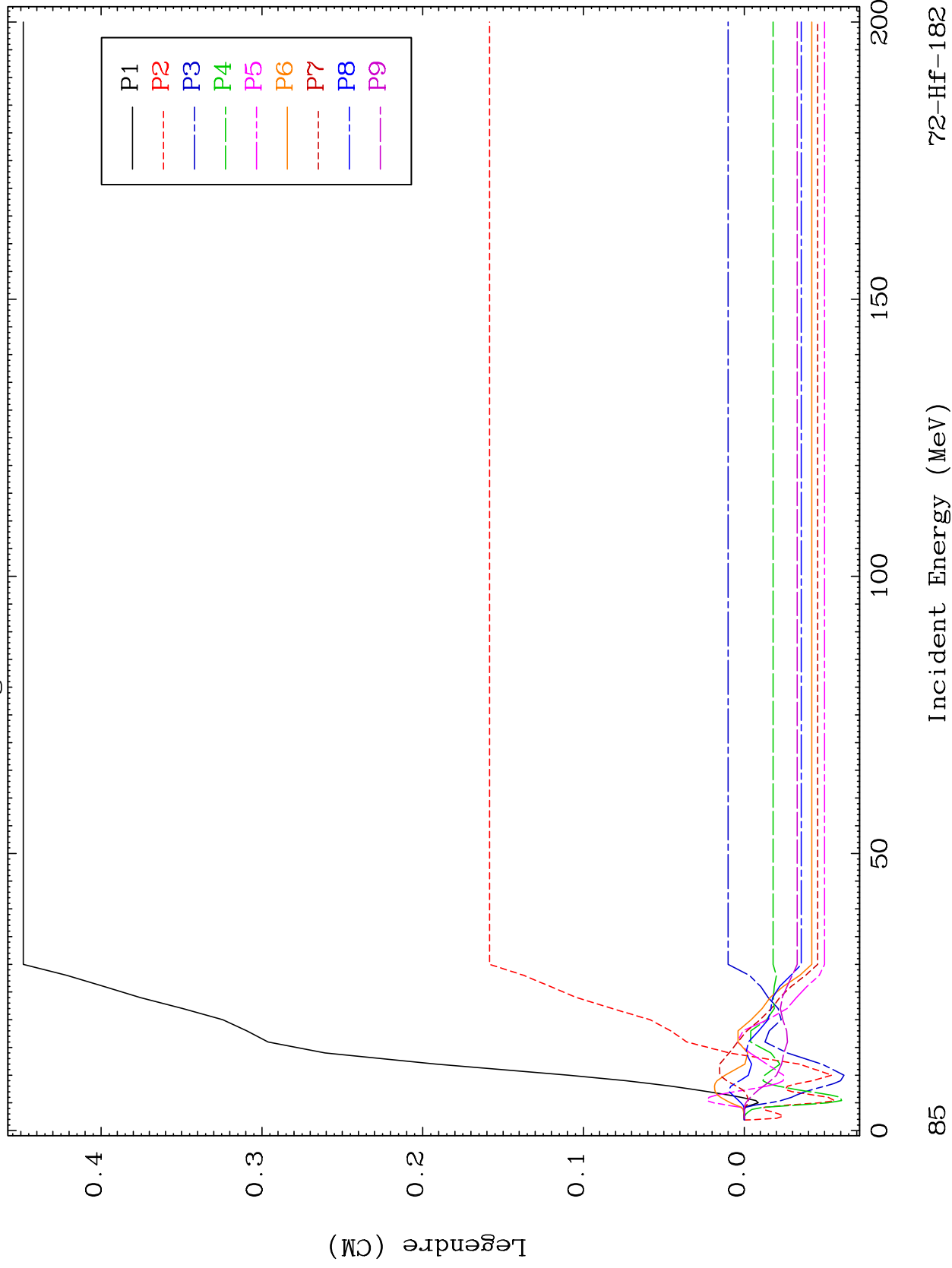
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

72-Hf-182



72-Hf-182

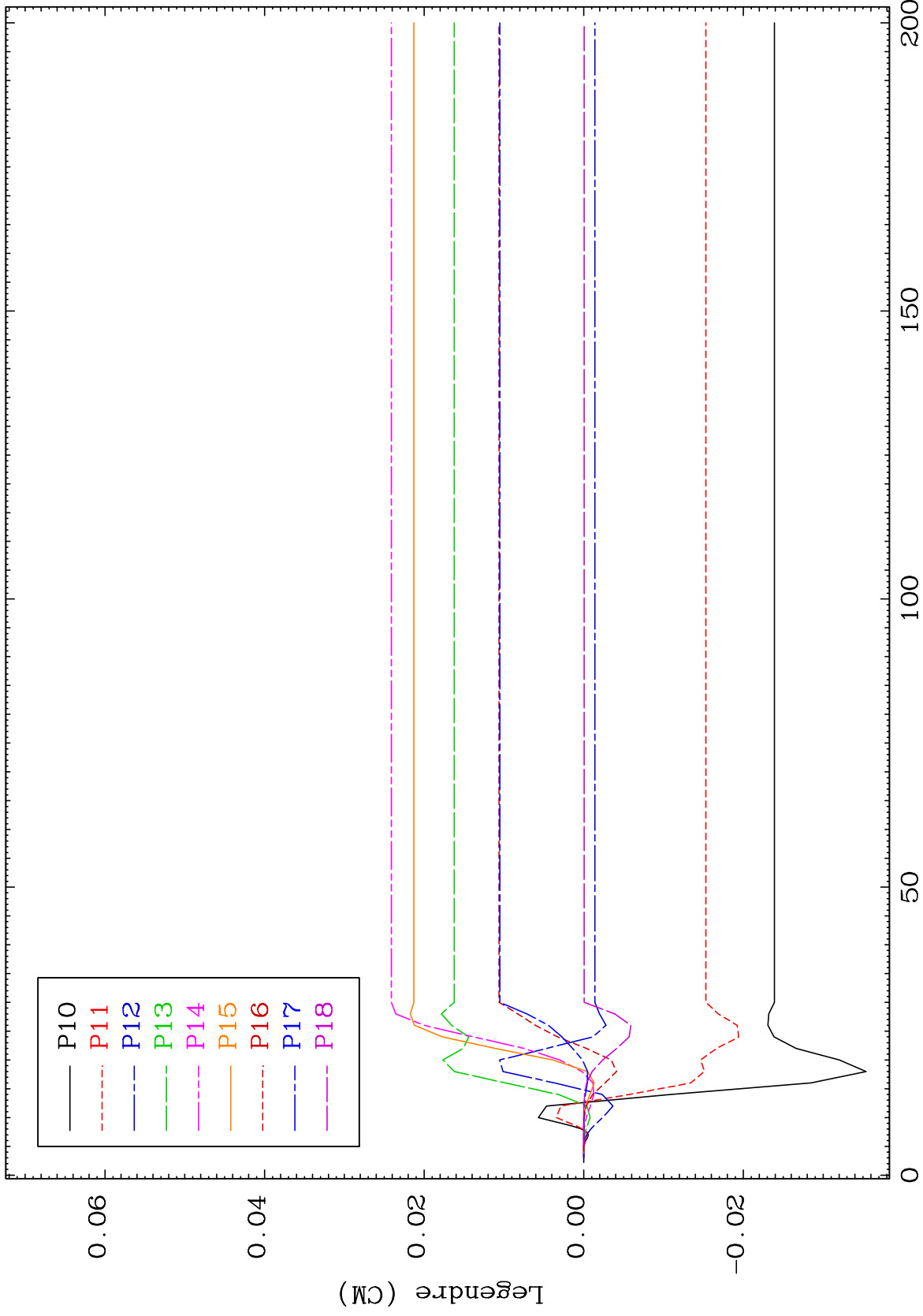
Incident Energy (MeV)

85

MAT 7249

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

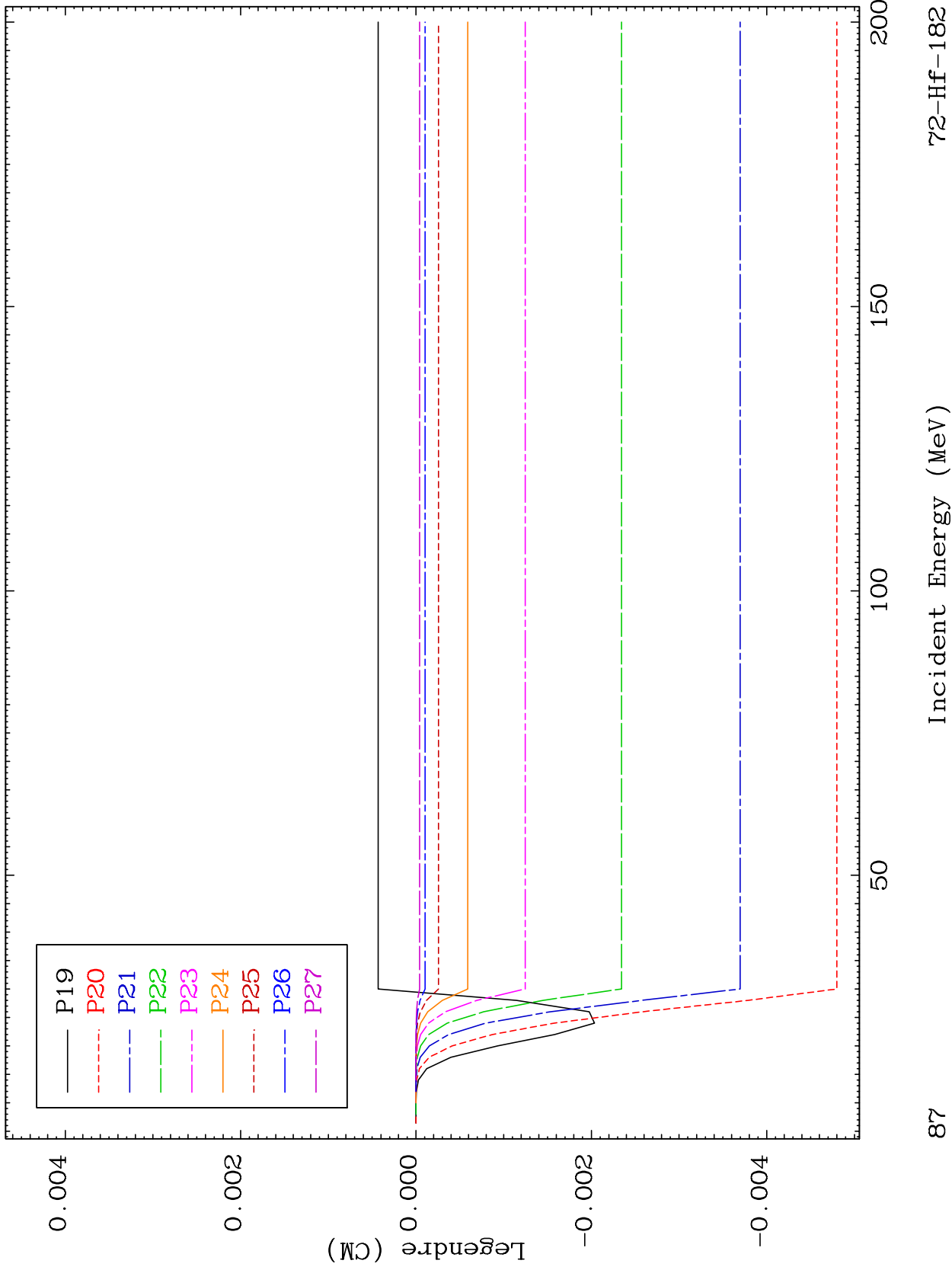
72-Hf-182

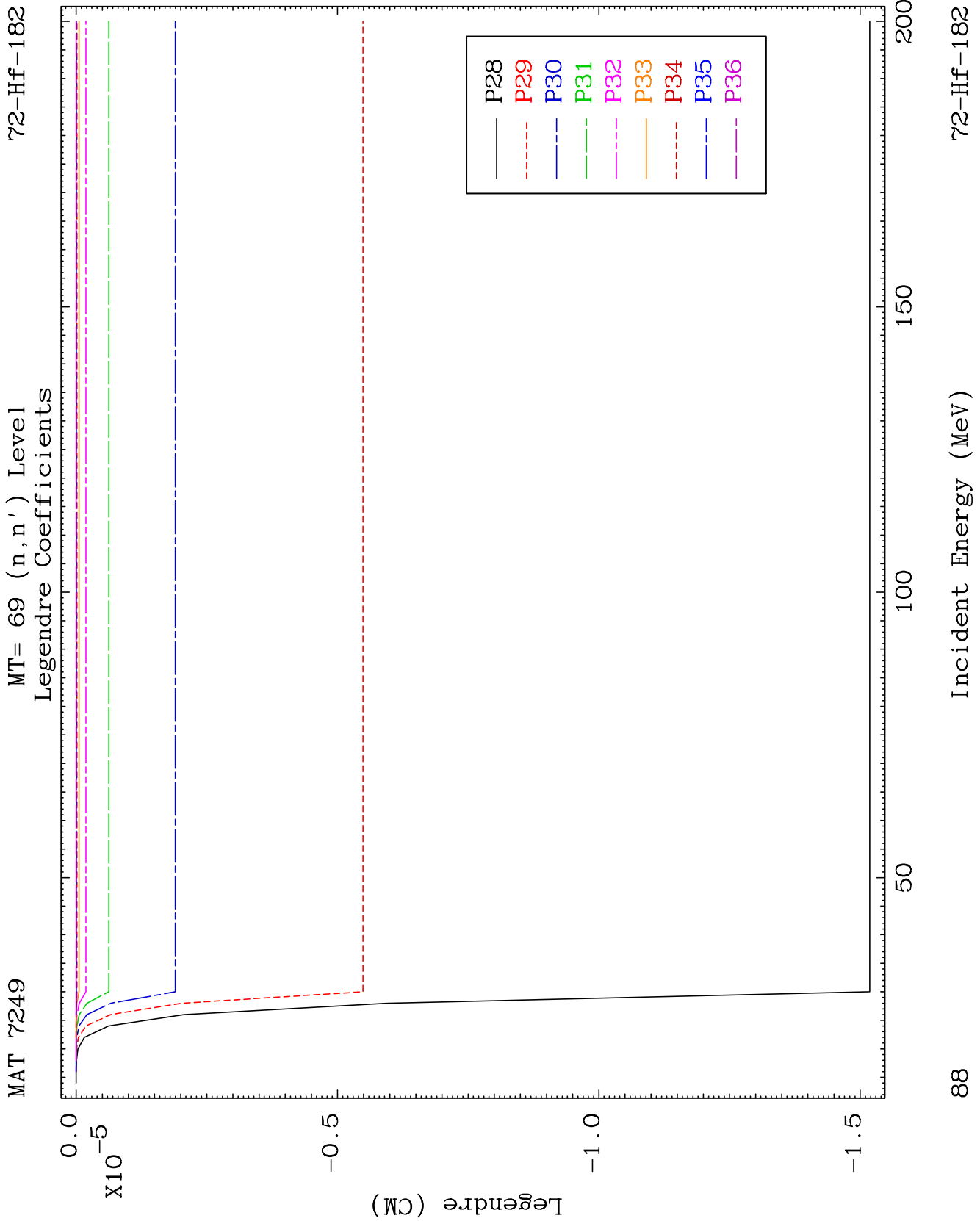


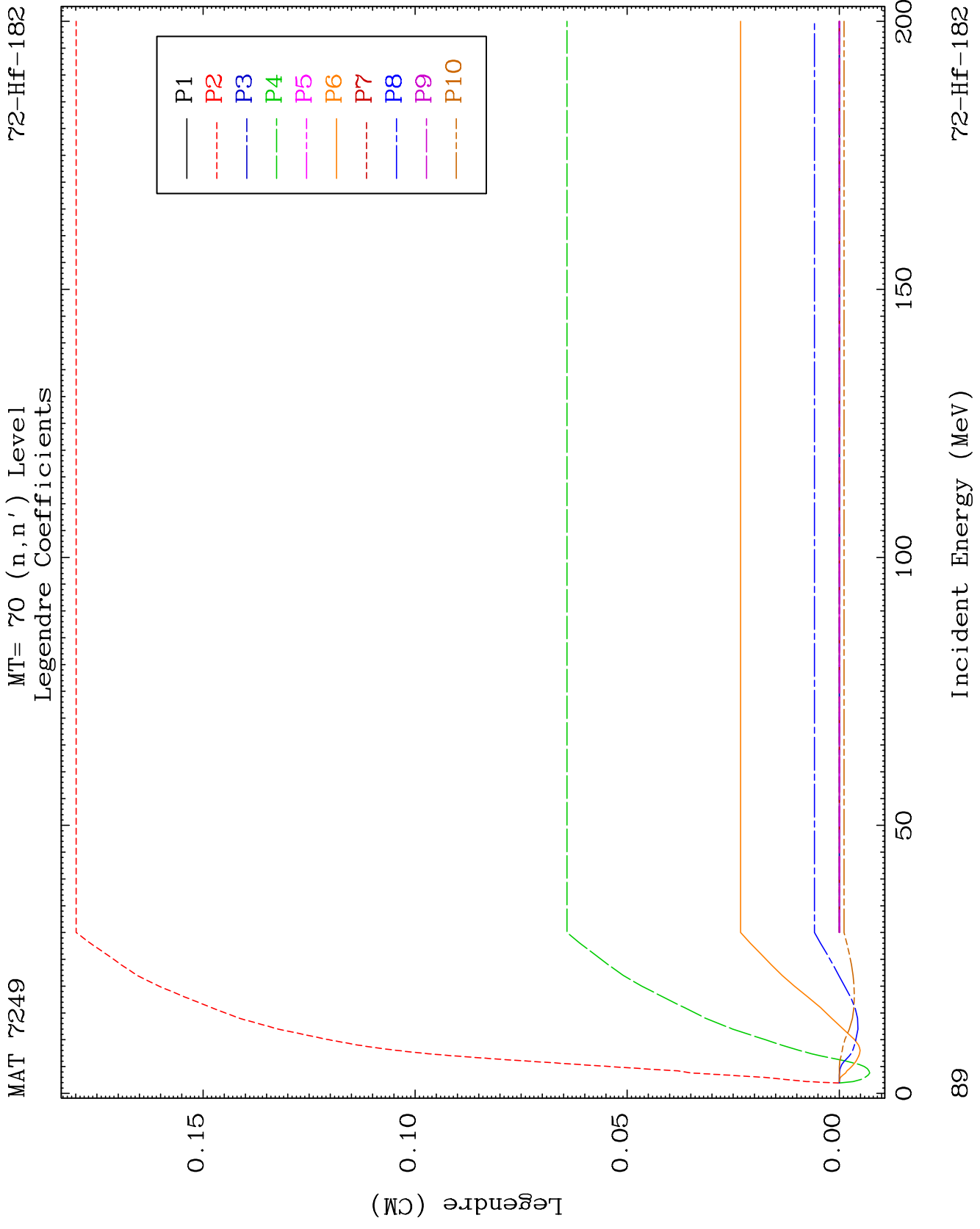
86

Incident Energy (MeV)

72-Hf-182



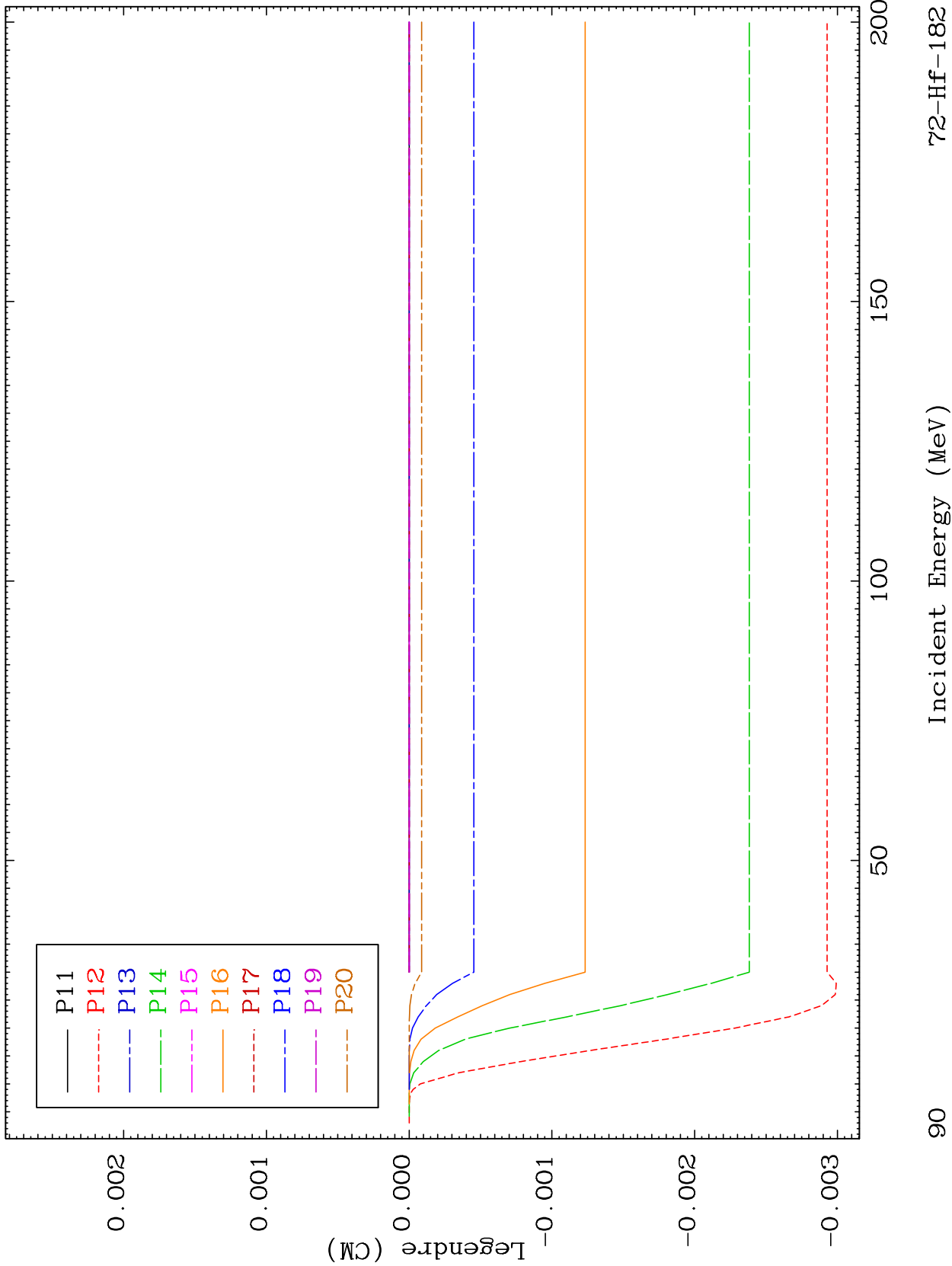




MAT 7249

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

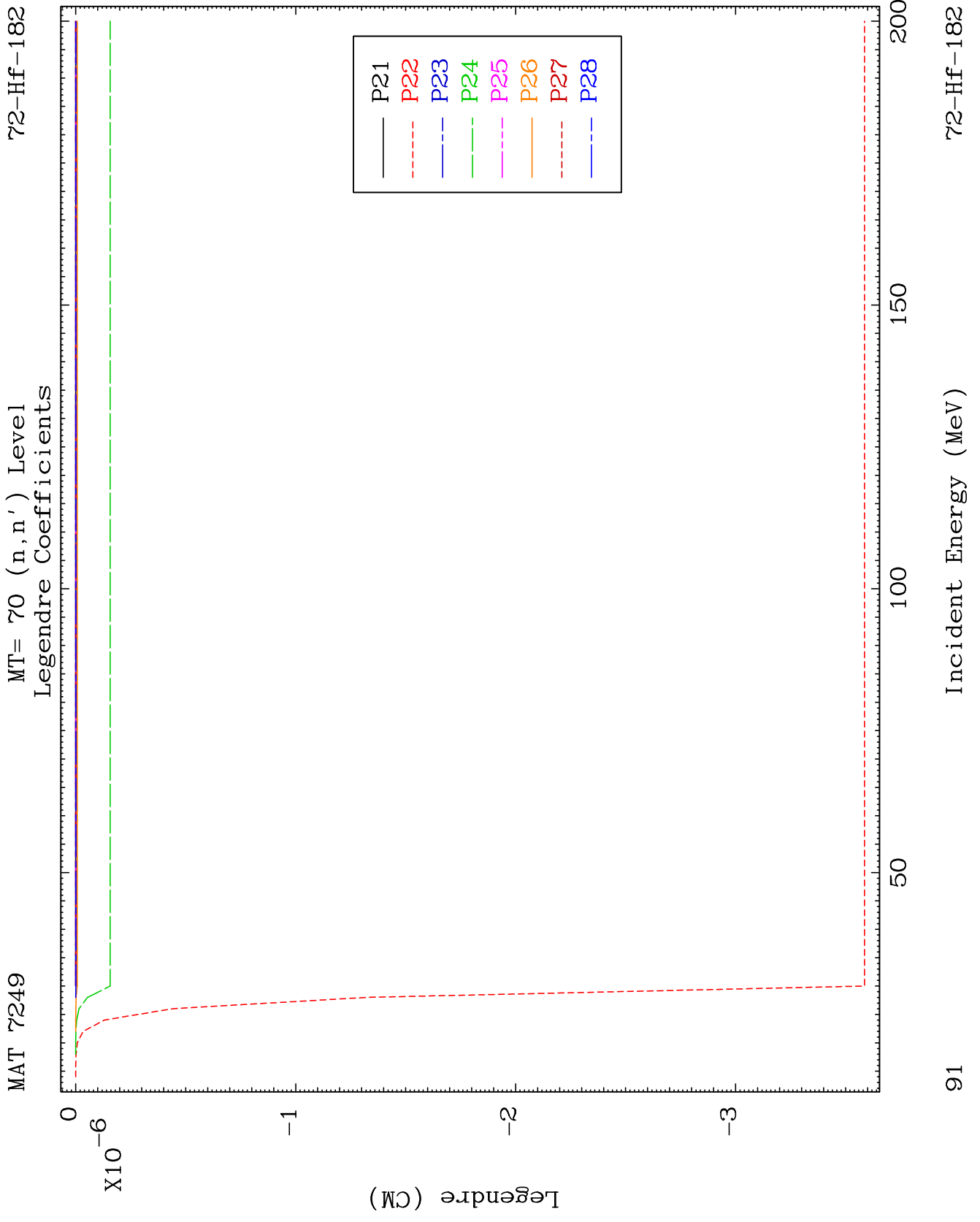
72-Hf-182



90

Incident Energy (MeV)

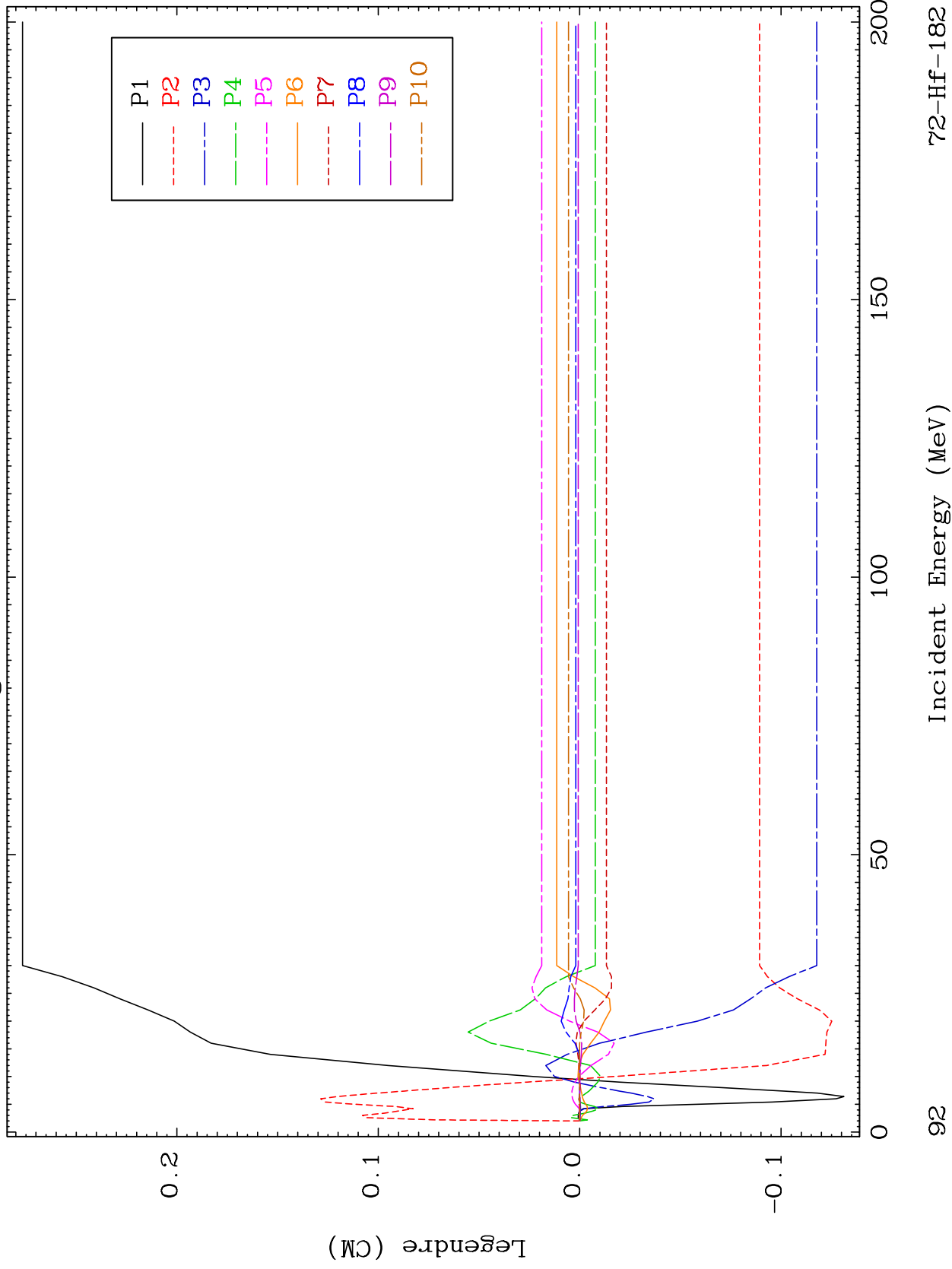
72-Hf-182



MAT 7249

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

72-Hf-182



72-Hf-182

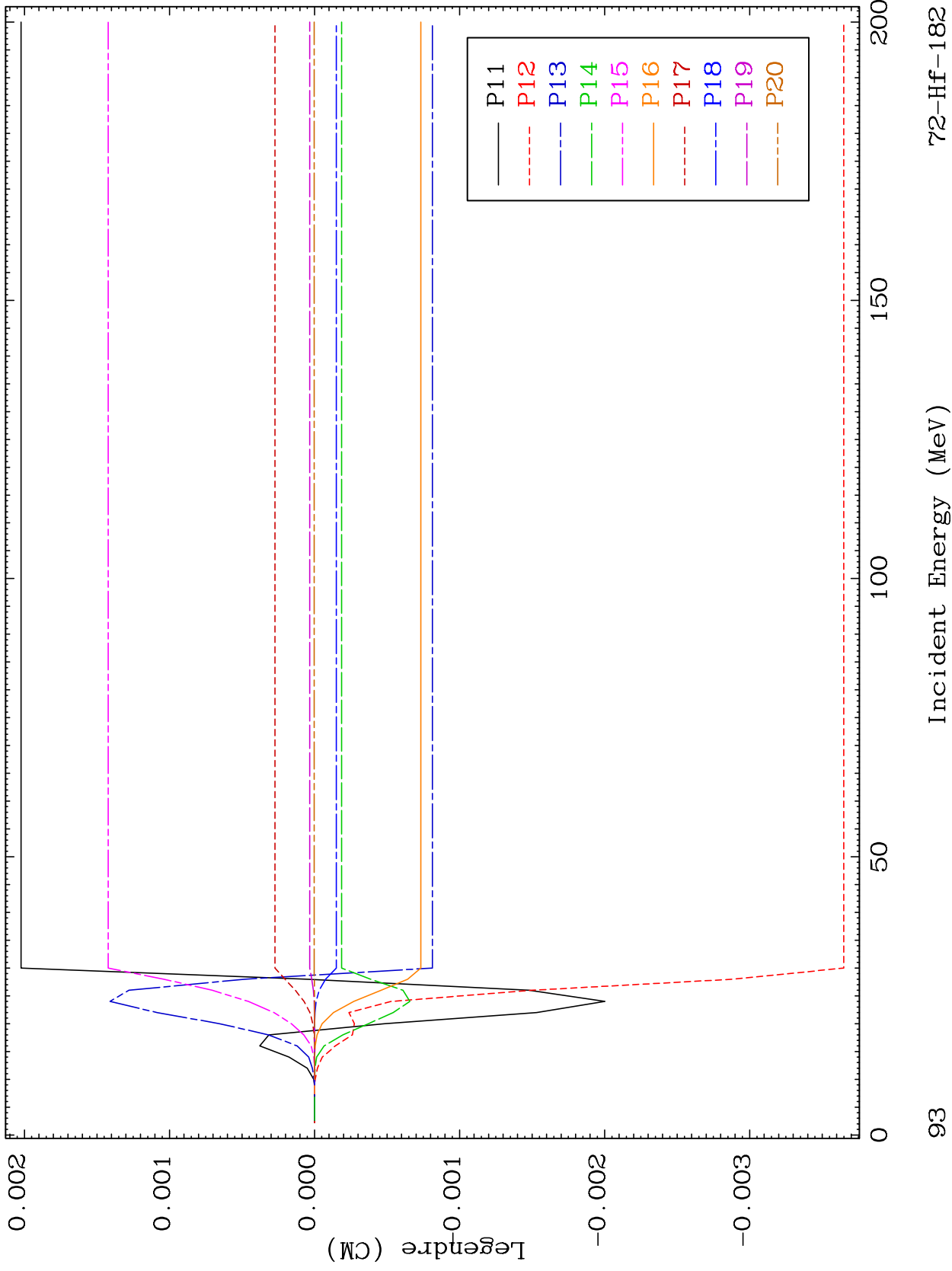
Incident Energy (MeV)

92

MAT 7249

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

72-Hf-182



93

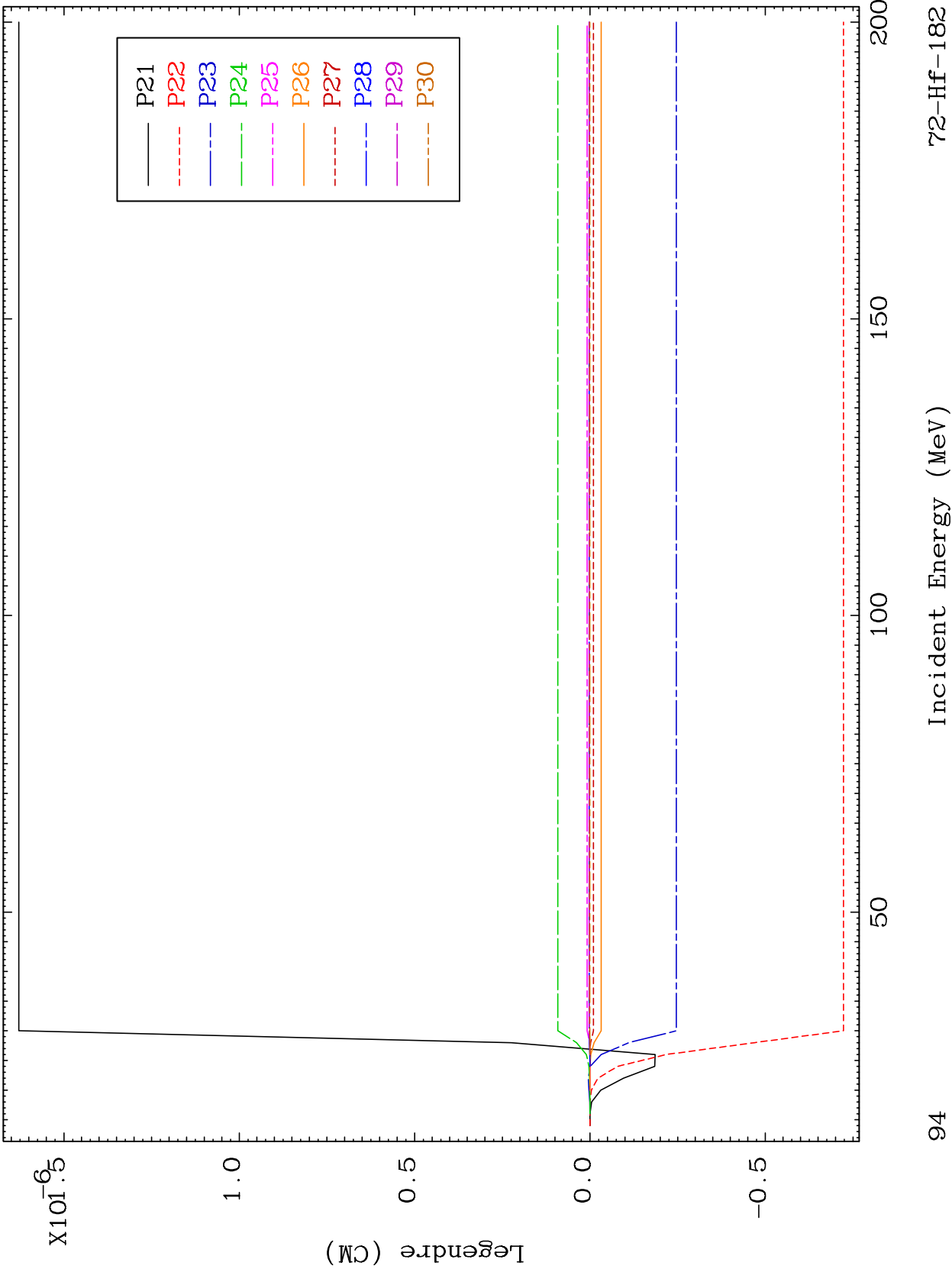
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

72-Hf-182



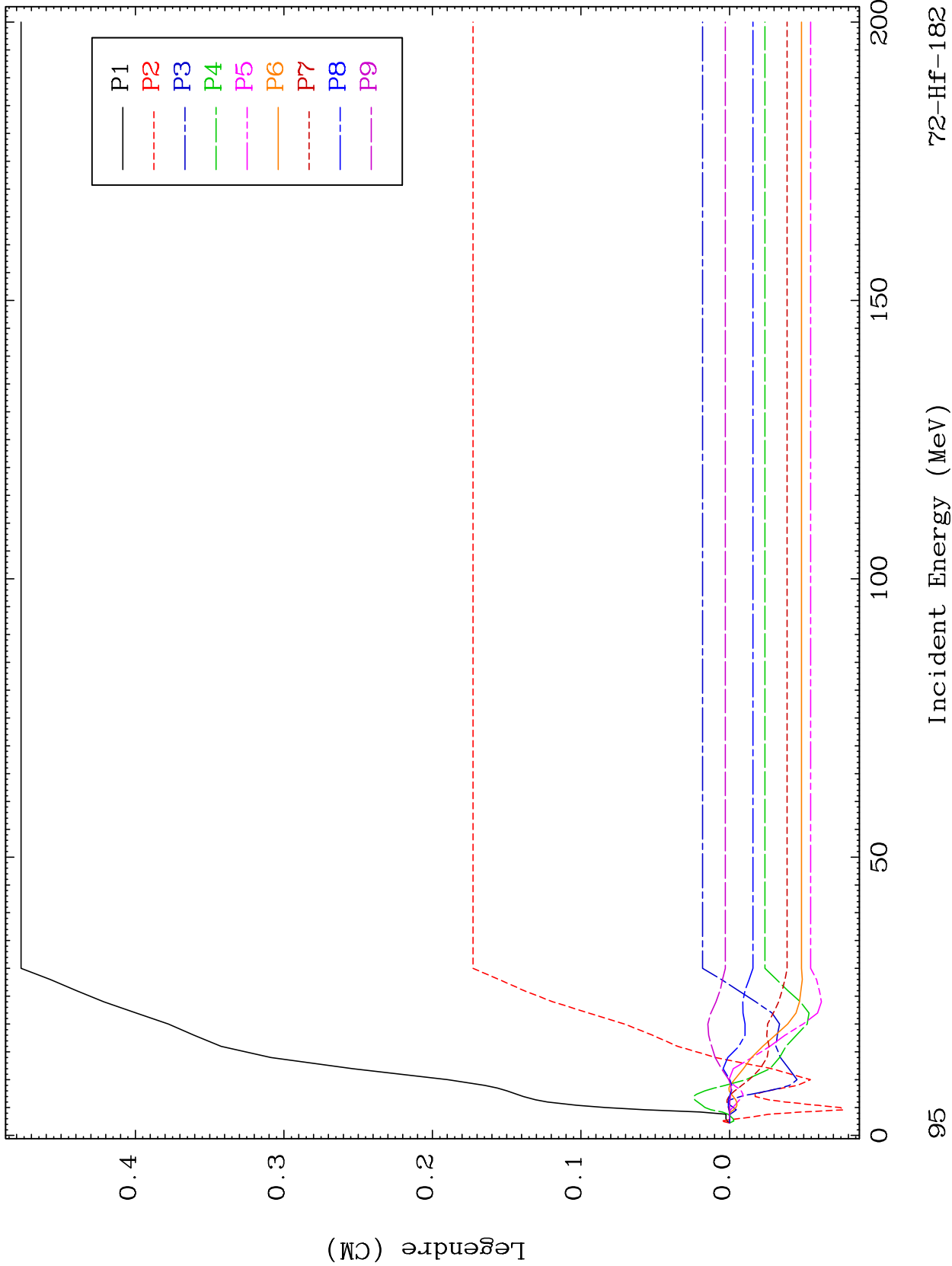
94

72-Hf-182

MAT 7249

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

72-Hf-182



72-Hf-182

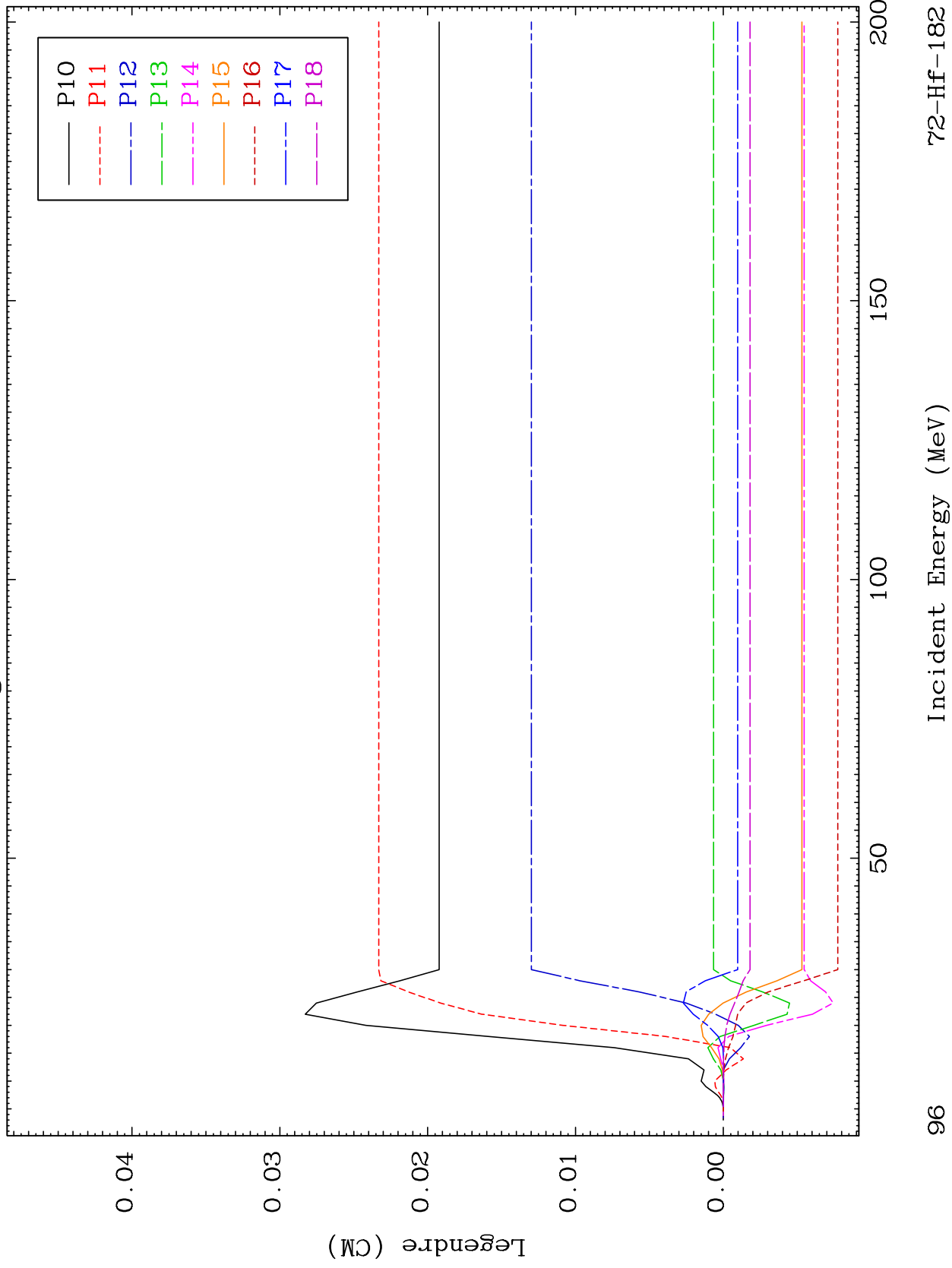
Incident Energy (MeV)

95

MAT 7249

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

72-Hf-182



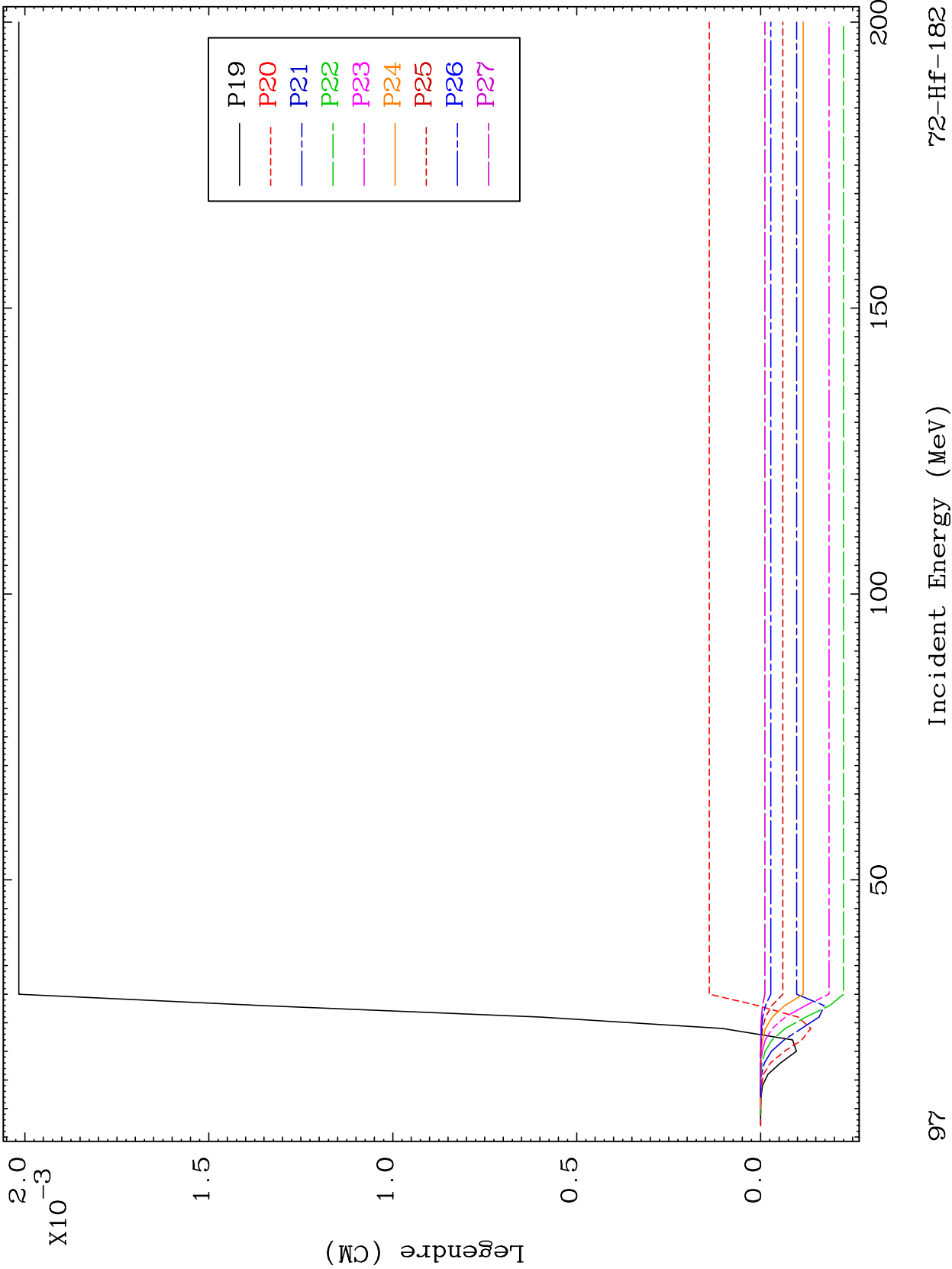
96

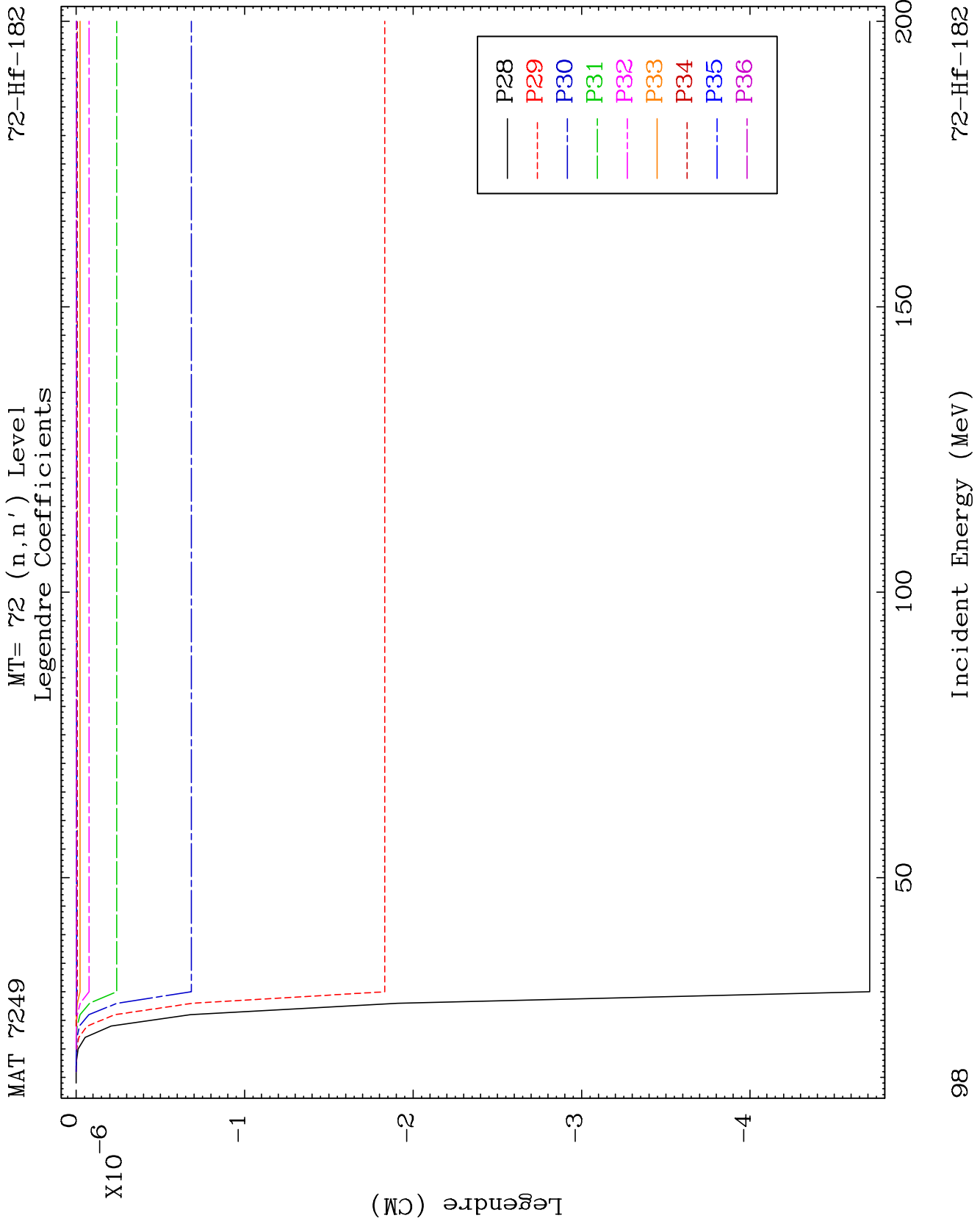
72-Hf-182

MAT 7249

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

72-Hf-182

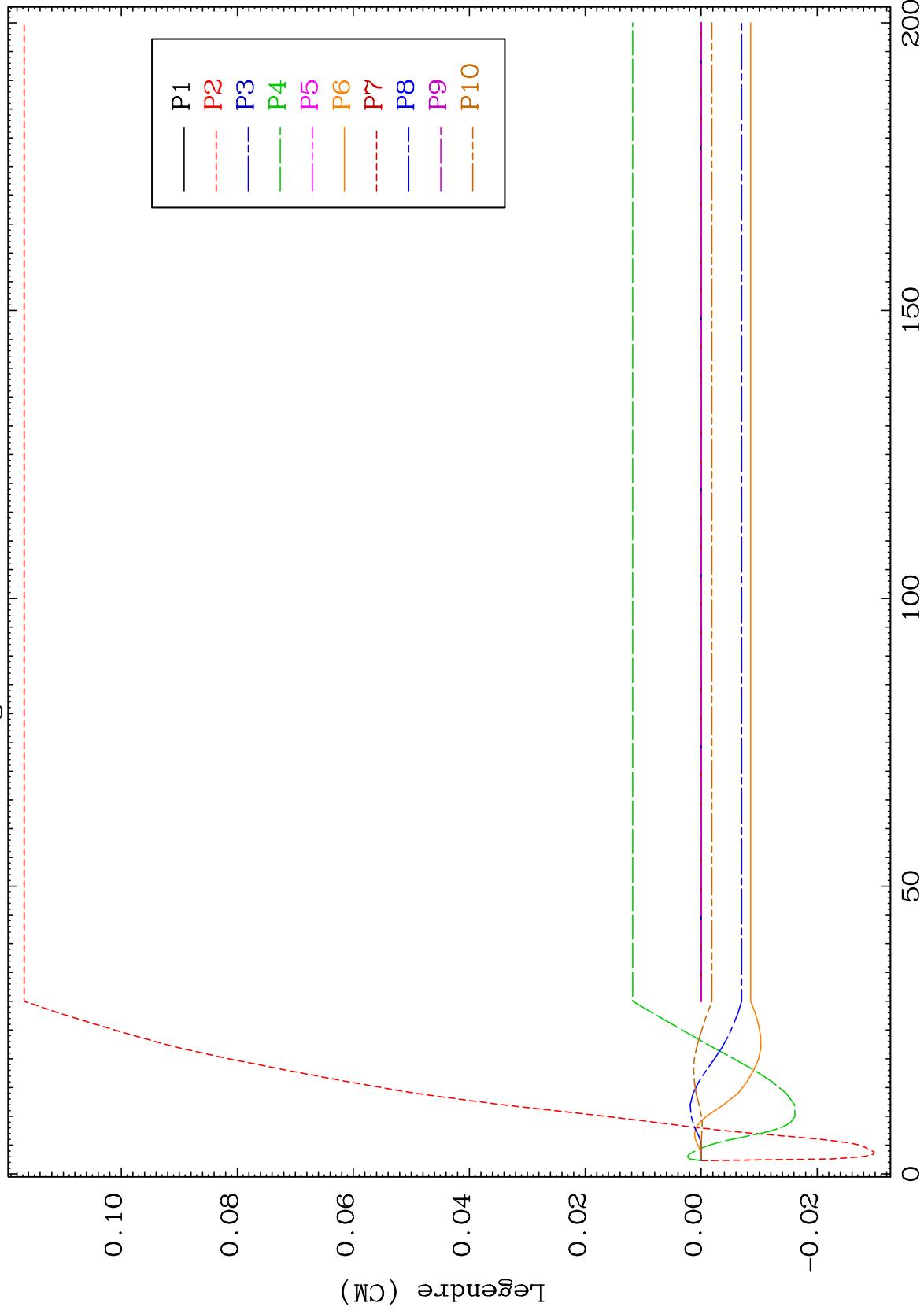




MAT 7249

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

72-Hf-182



99

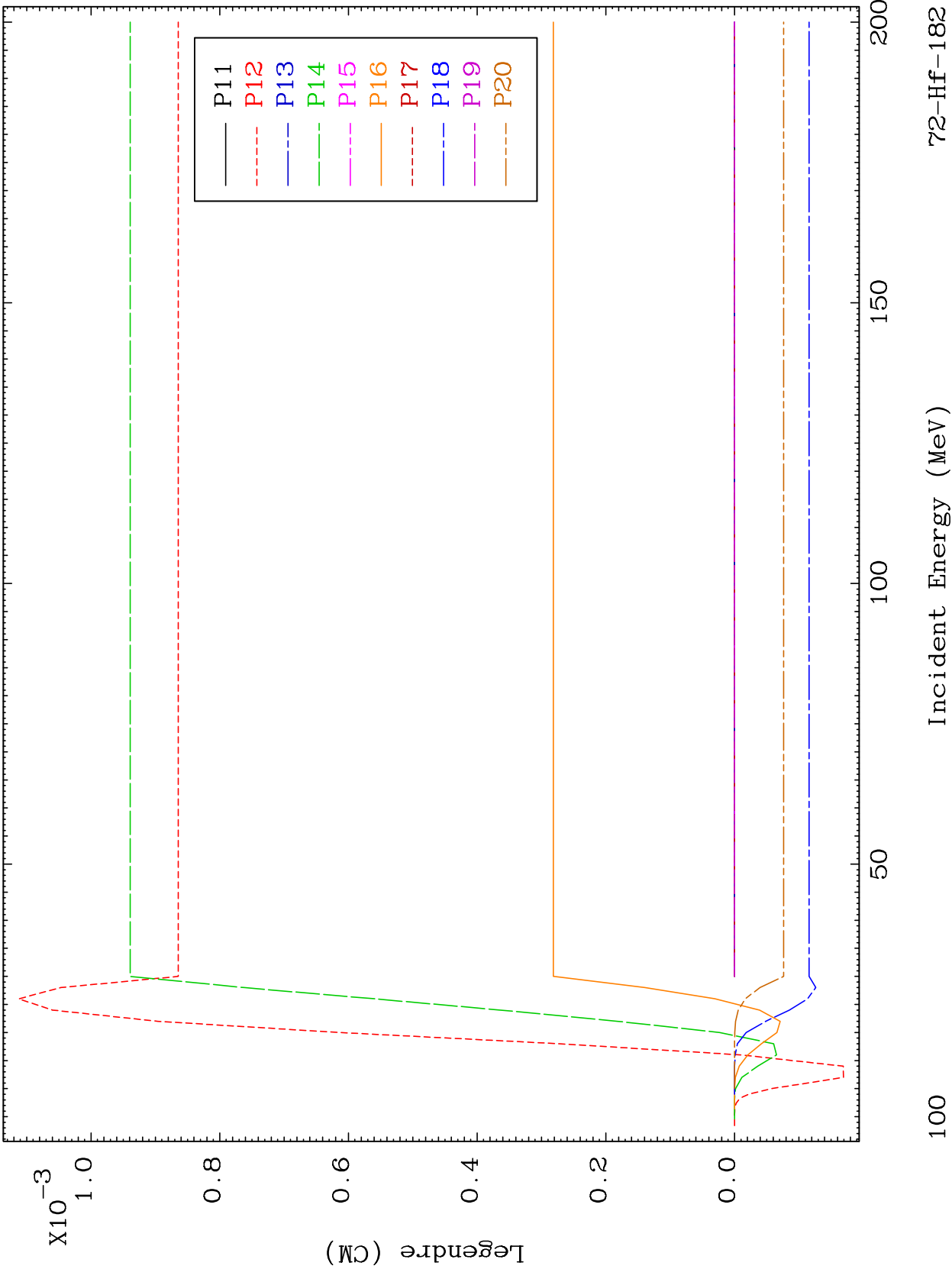
Incident Energy (MeV)

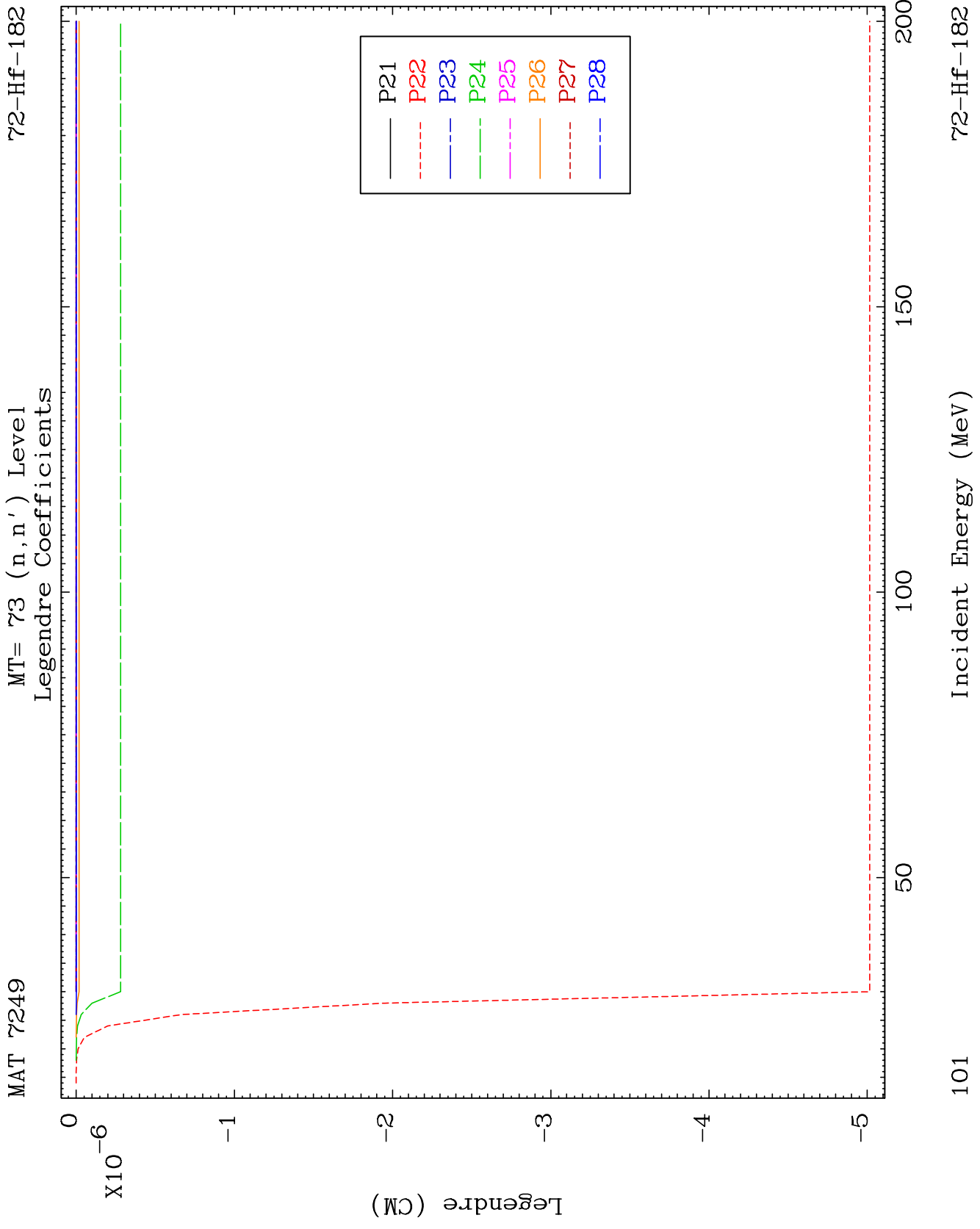
72-Hf-182

MAT 7249

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

72-Hf-182

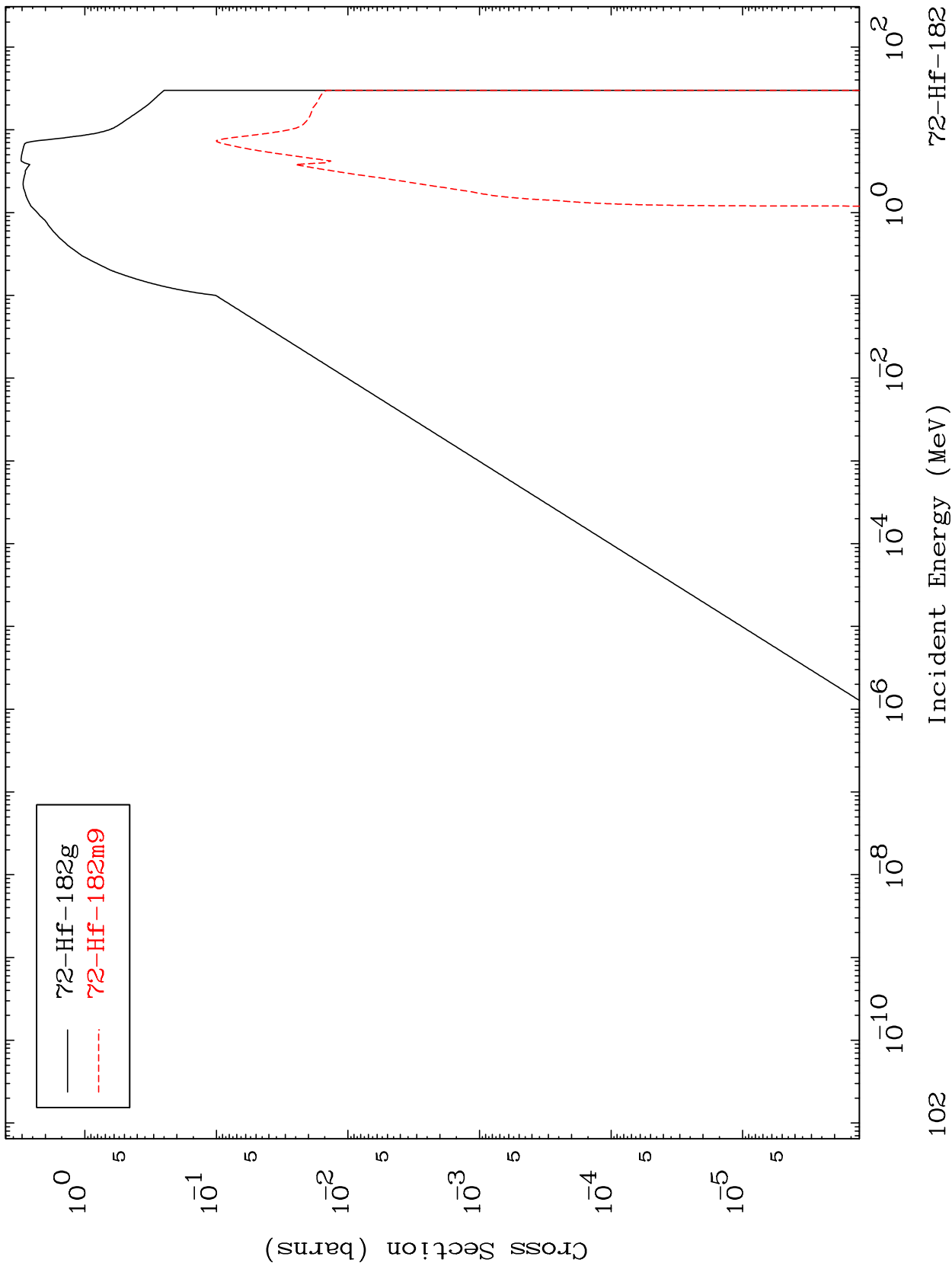




MAT 7249

Inelastic
Radionuclide Production Cross Section

72-Hf-182



102

Incident Energy (MeV)

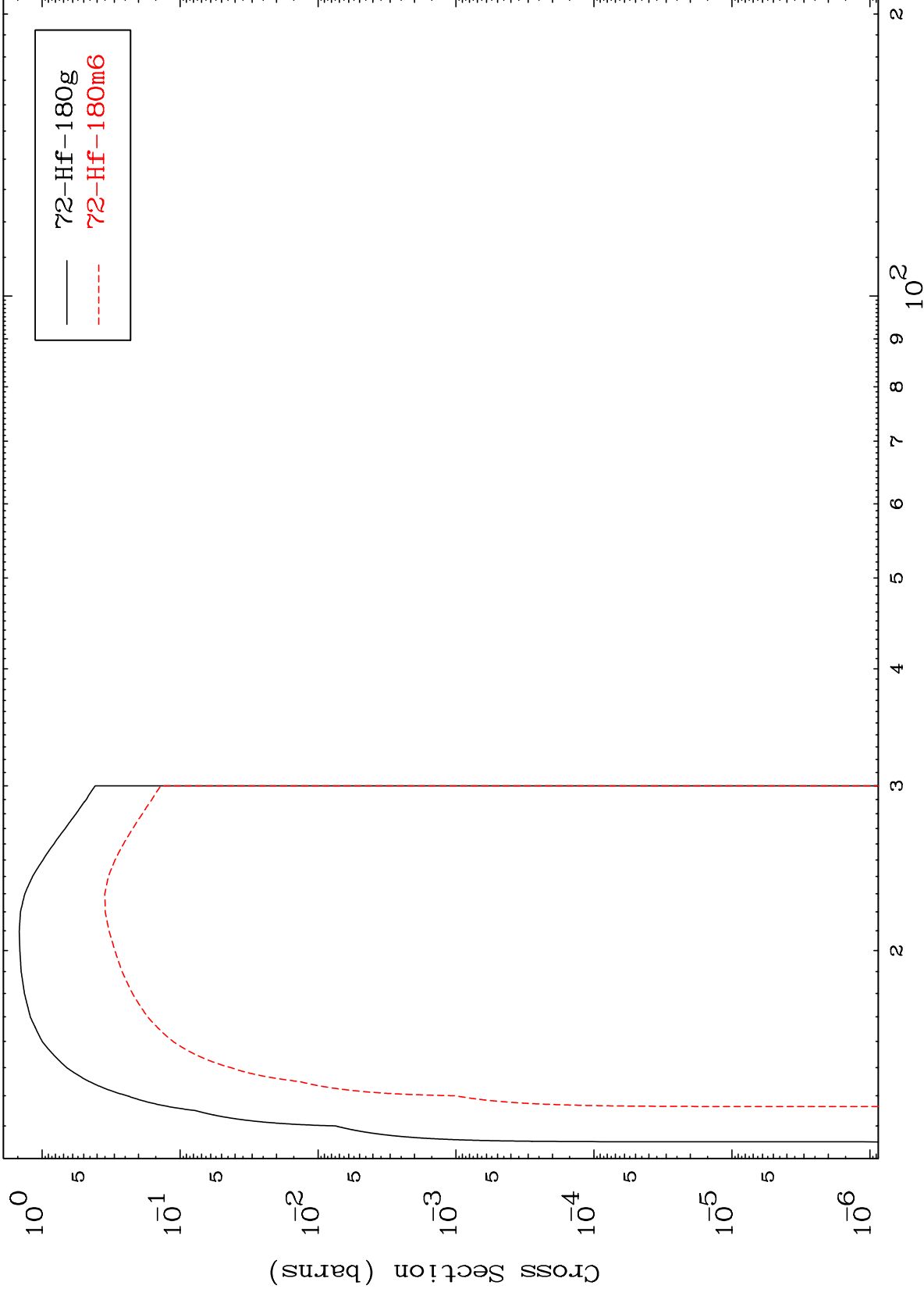
72-Hf-182

MAT 7249

(n,3n)

72-Hf-182

Radionuclide Production Cross Section



103

Incident Energy (MeV)

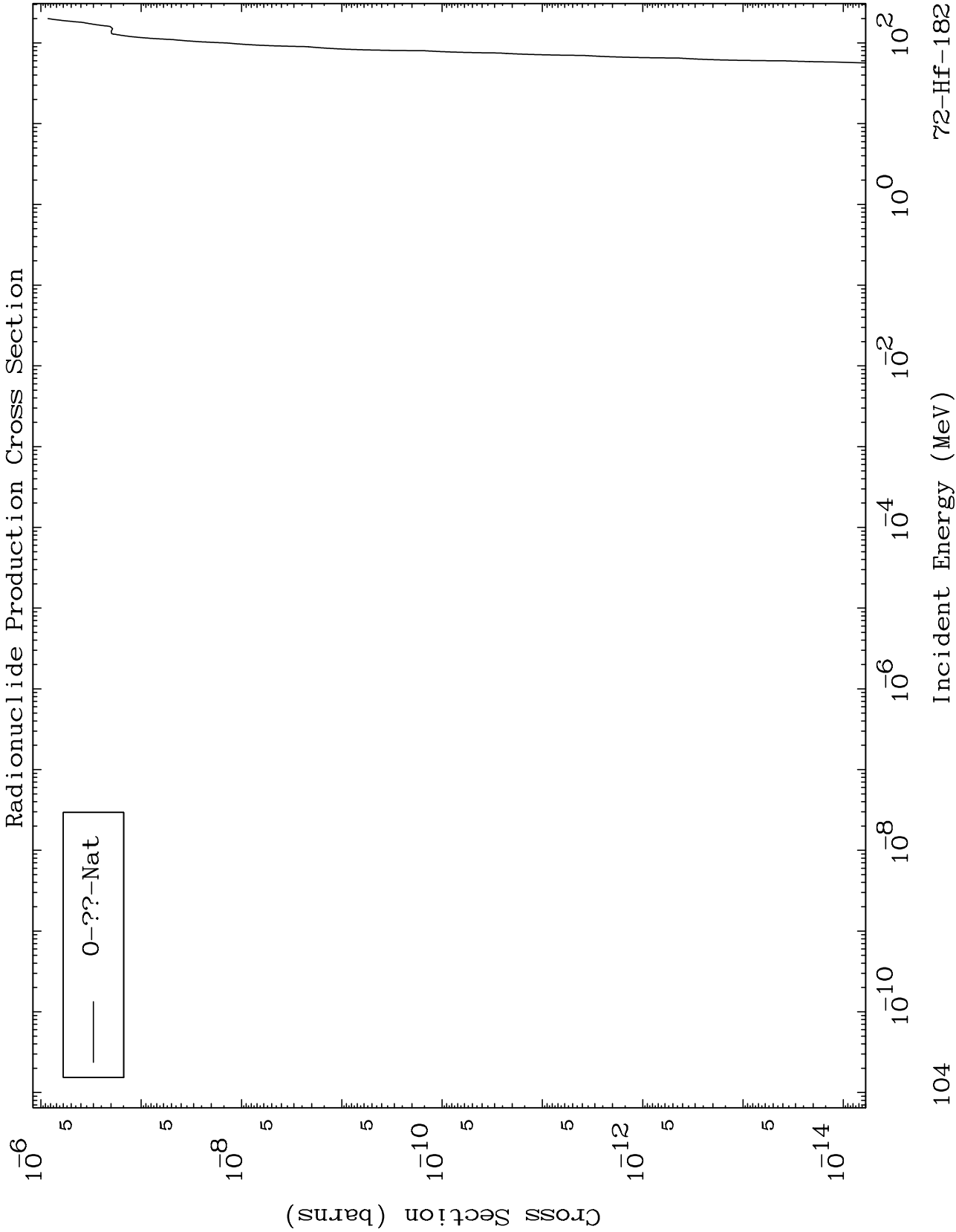
72-Hf-182

MAT 7249

Fission

72-Hf-182

Radionuclide Production Cross Section



104

Incident Energy (MeV)

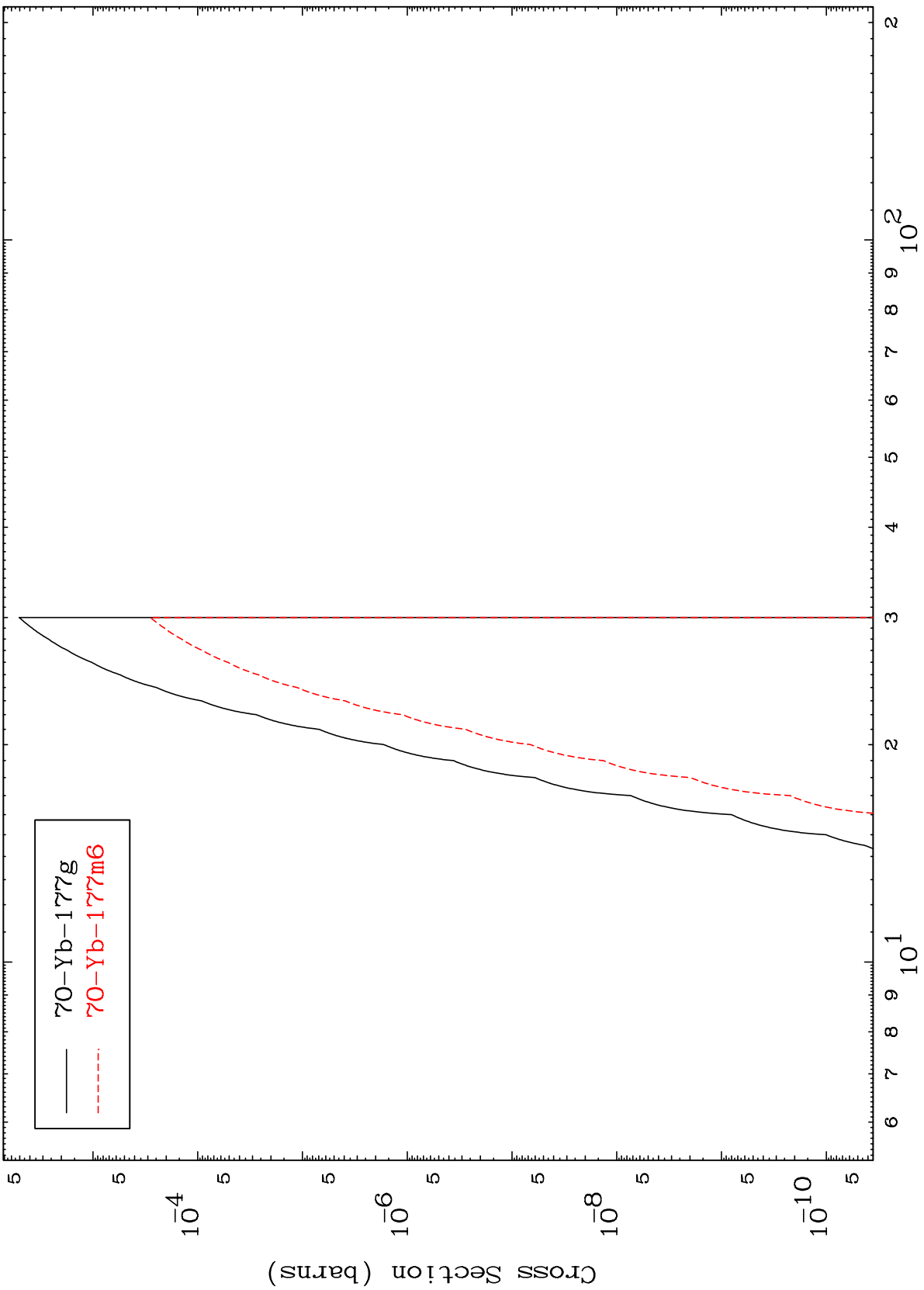
72-Hf-182

MAT 7249

$(n,2n) \alpha$

72-Hf-182

Radionuclide Production Cross Section



— 70-Yb-177g
- - - 70-Yb-177m6

105

Incident Energy (MeV)

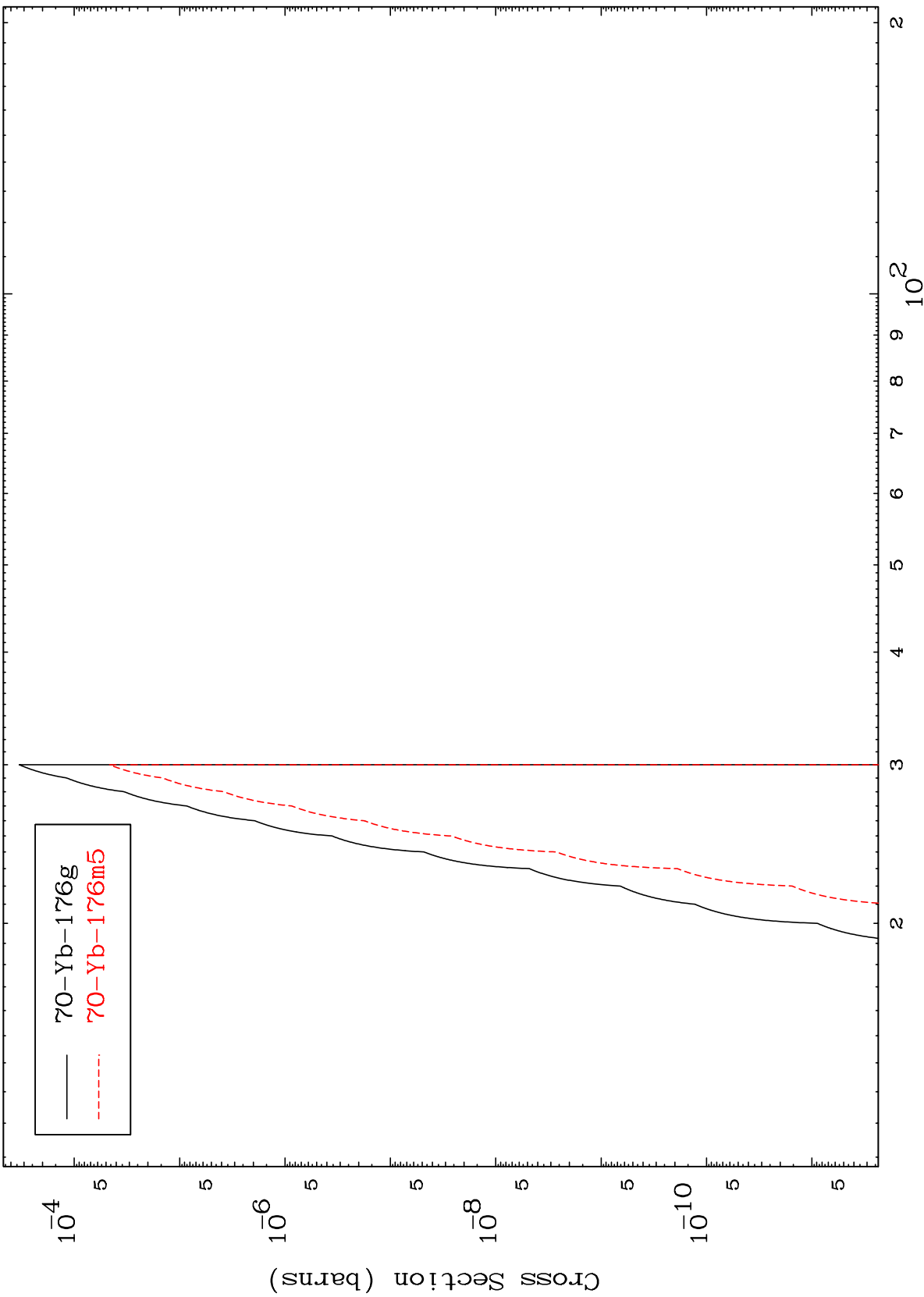
72-Hf-182

MAT 7249

(n,3n) α

72-Hf-182

Radionuclide Production Cross Section



106

Incident Energy (MeV)

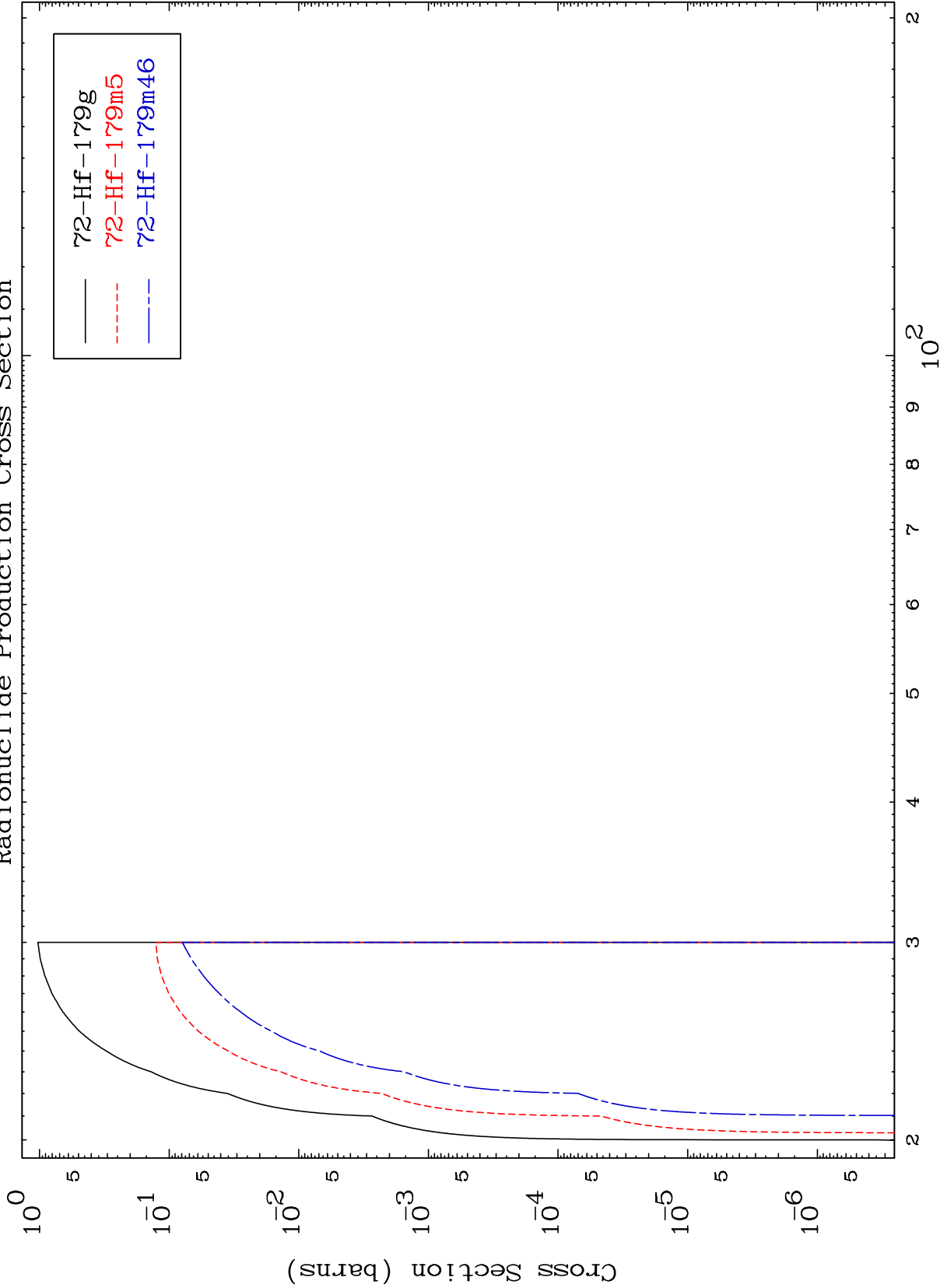
72-Hf-182

MAT 7249

(n,4n)

72-Hf-182

Radionuclide Production Cross Section



107

Incident Energy (MeV)

72-Hf-182