

Program EVALPLOT  
(Version 2021-1)

by

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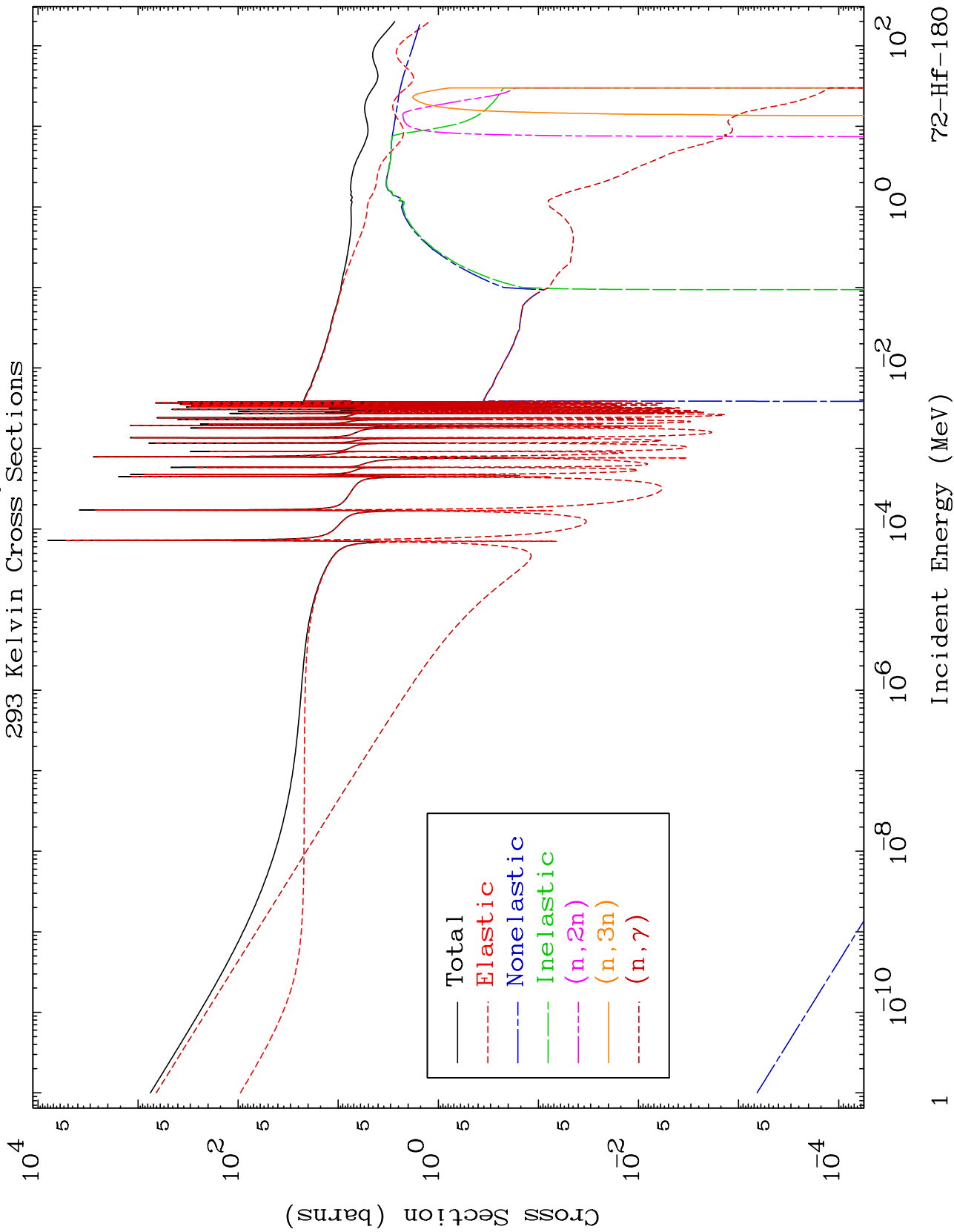
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7243

Neutron Major  
293 Kelvin Cross Sections

72-Hf-180



72-Hf-180

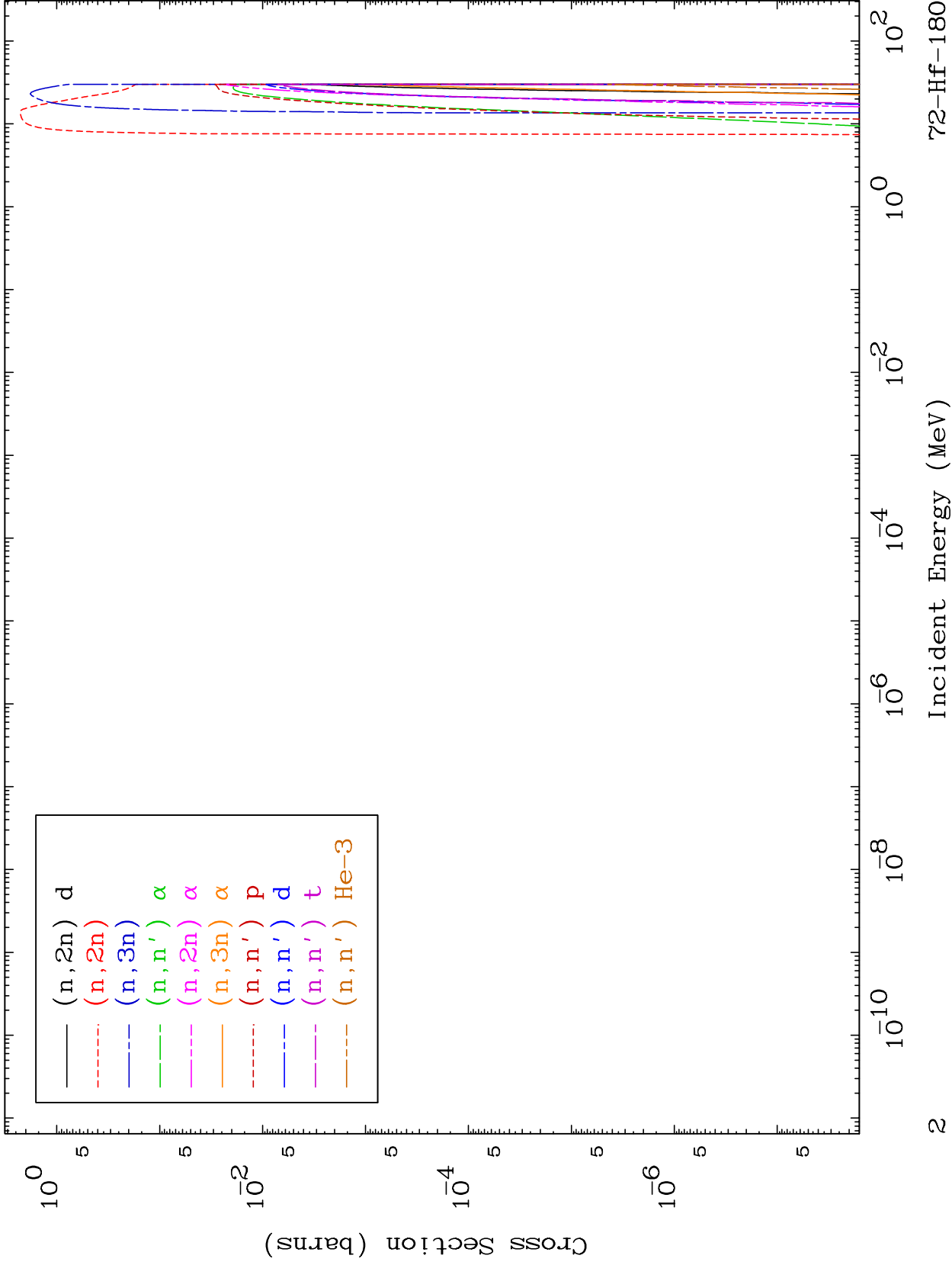
Incident Energy (MeV)

1

MAT 7243

Neutron Absorption  
293 Kelvin Cross Sections

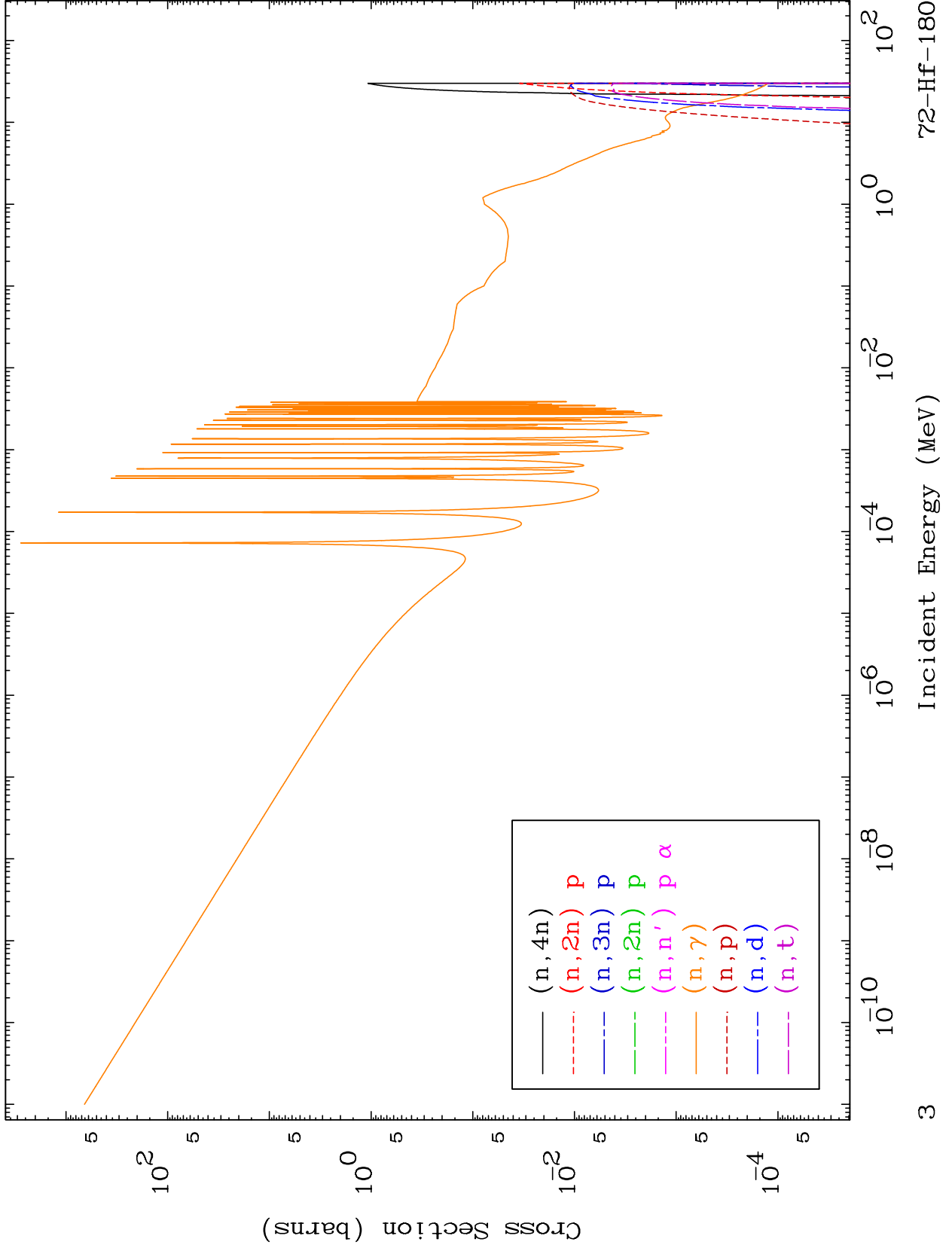
72-Hf-180



MAT 7243

Neutron Absorption  
293 Kelvin Cross Sections

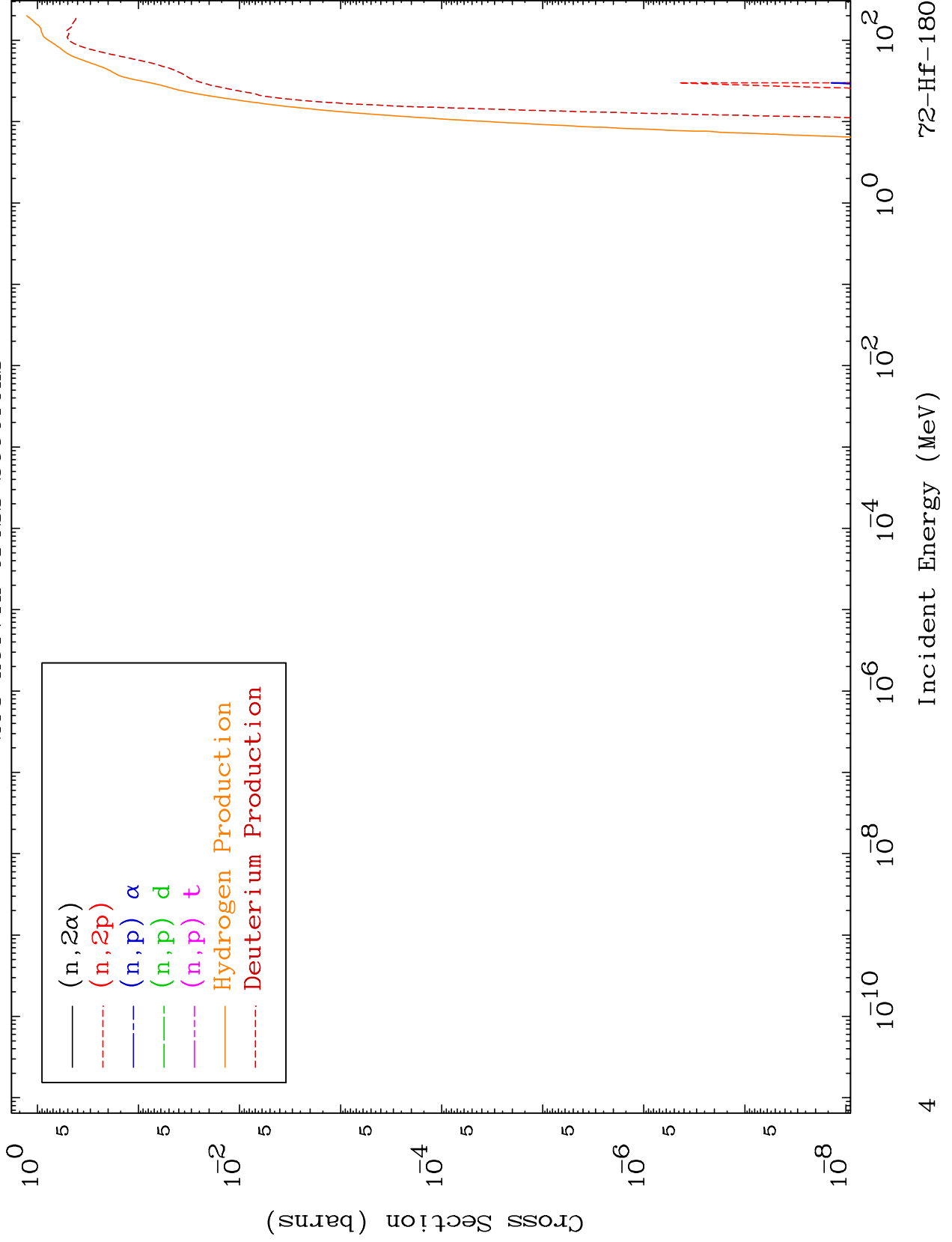
72-Hf-180



MAT 7243

Neutron Absorption  
293 Kelvin Cross Sections

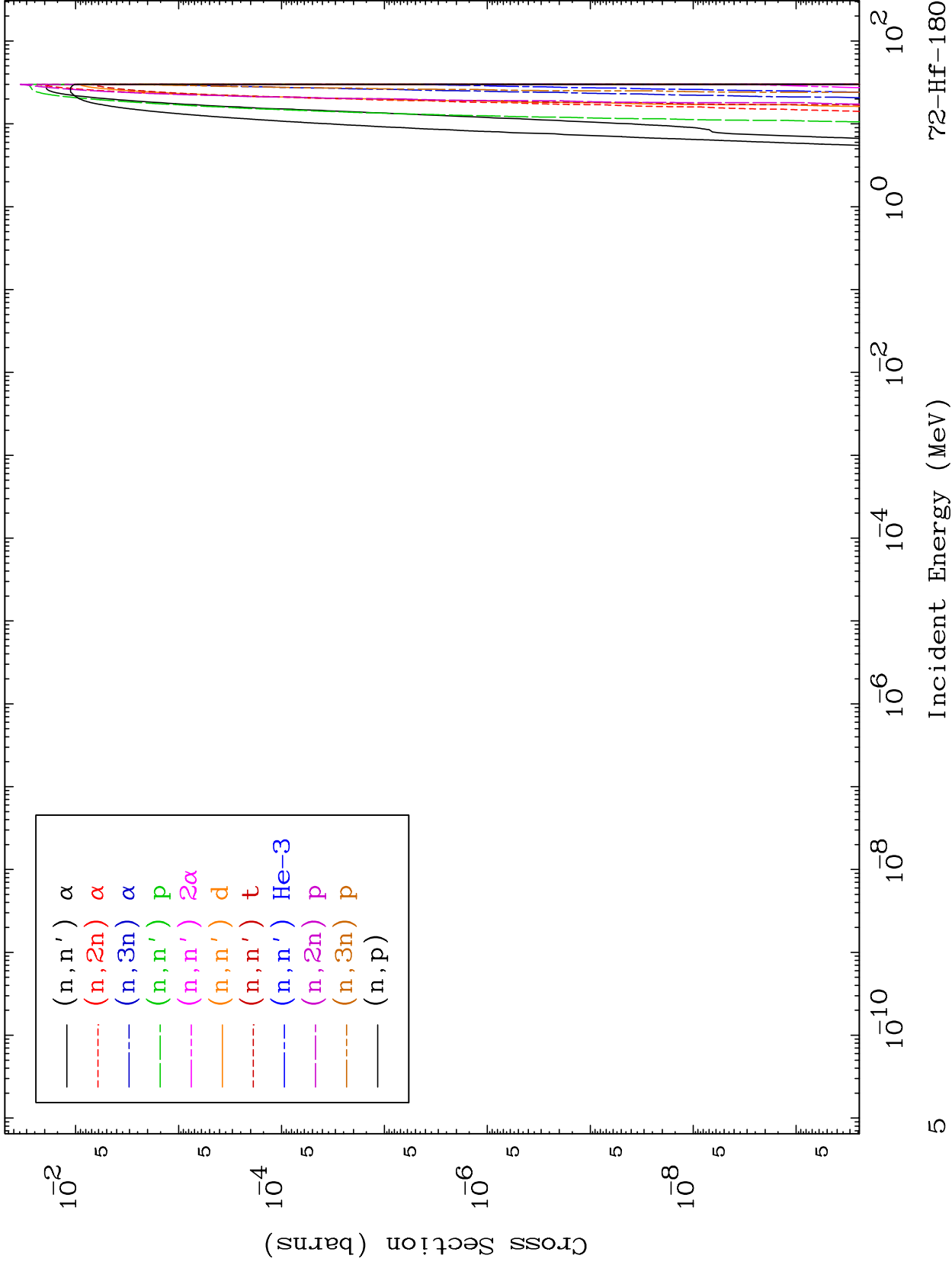
72-Hf-180



MAT 7243

Charged Particle  
293 Kelvin Cross Sections

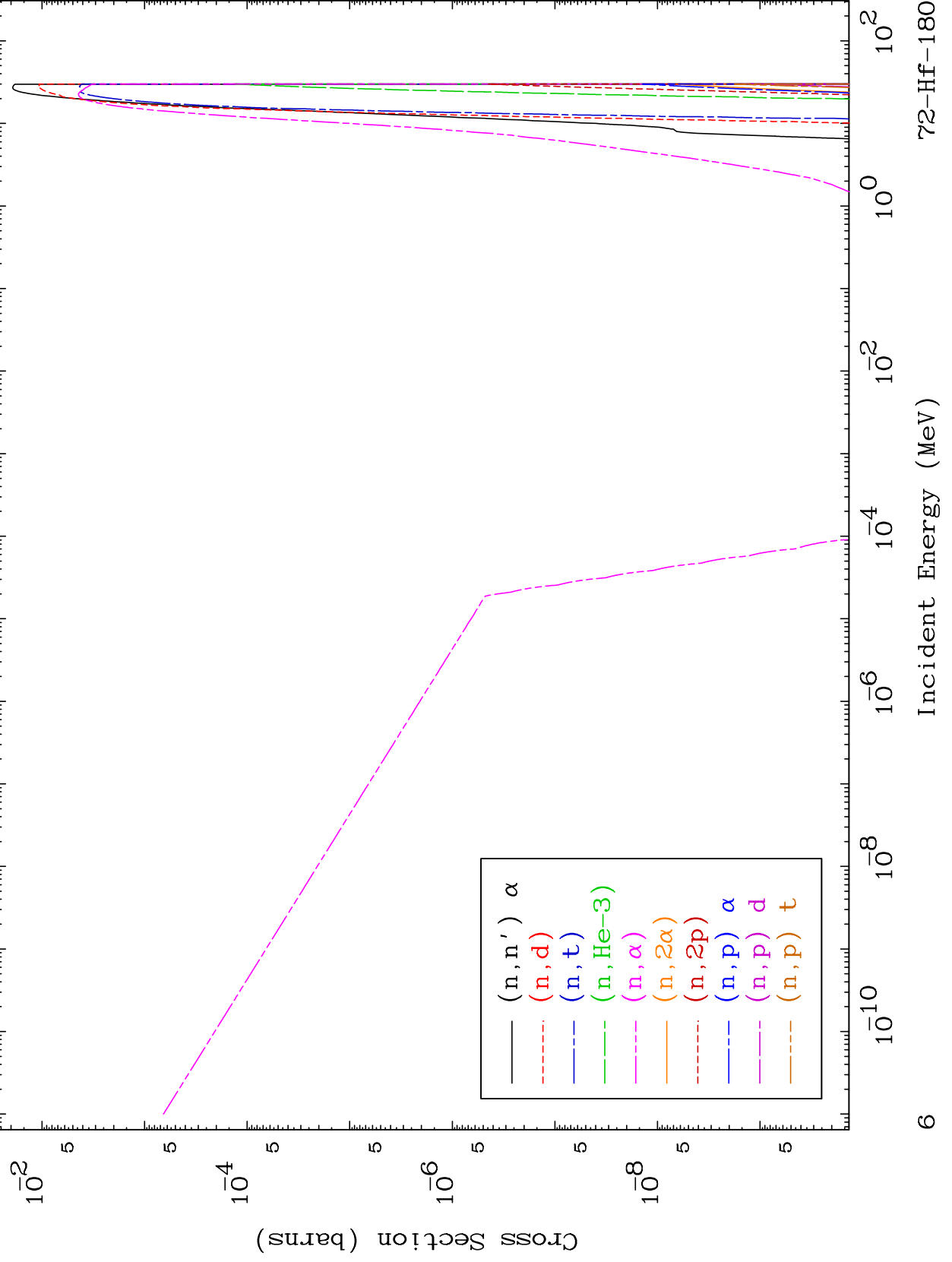
72-Hf-180



MAT 7243

Charged Particle  
293 Kelvin Cross Sections

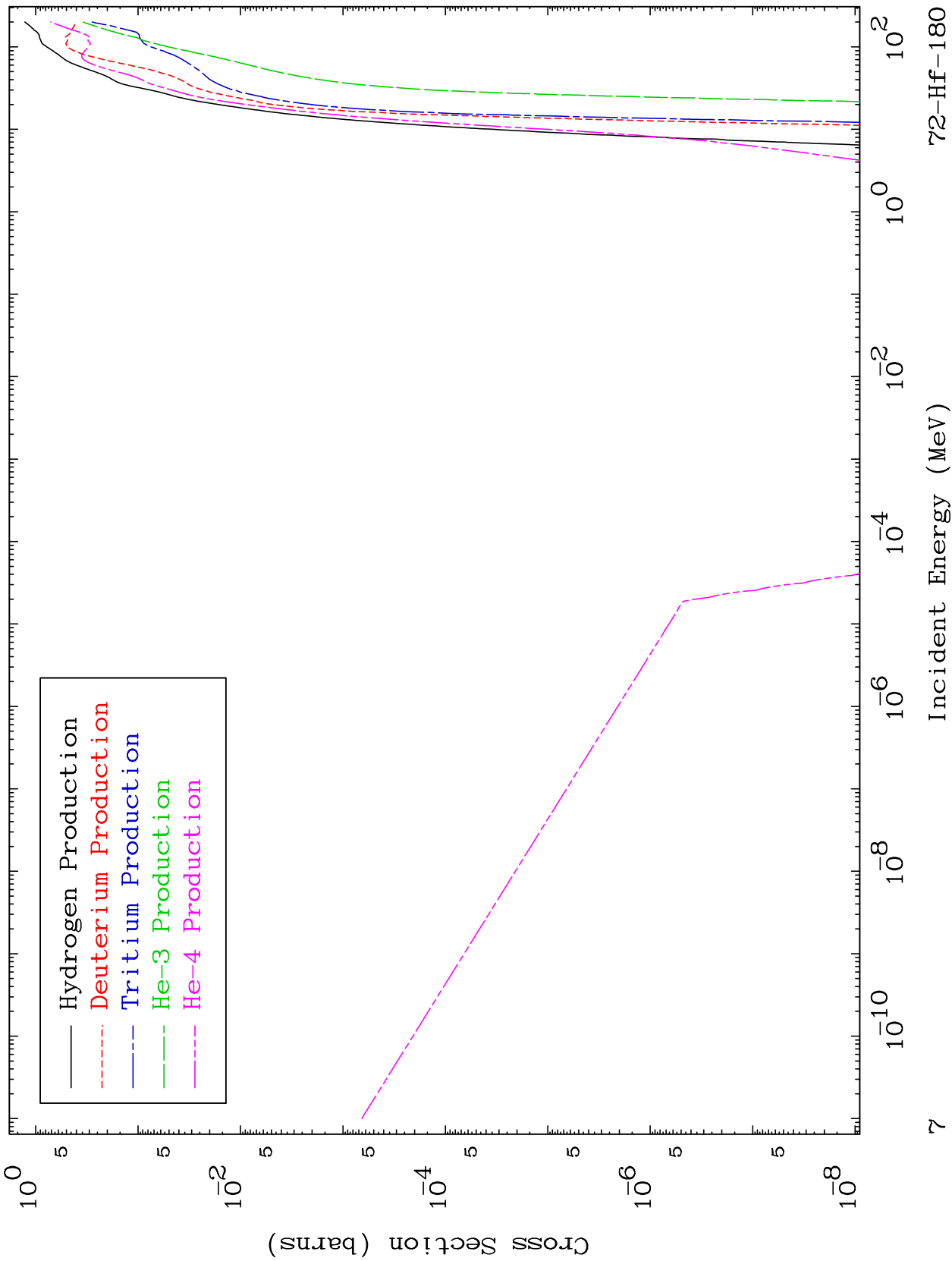
72-Hf-180



MAT 7243

Particle Production  
293 Kelvin Cross Sections

72-Hf-180

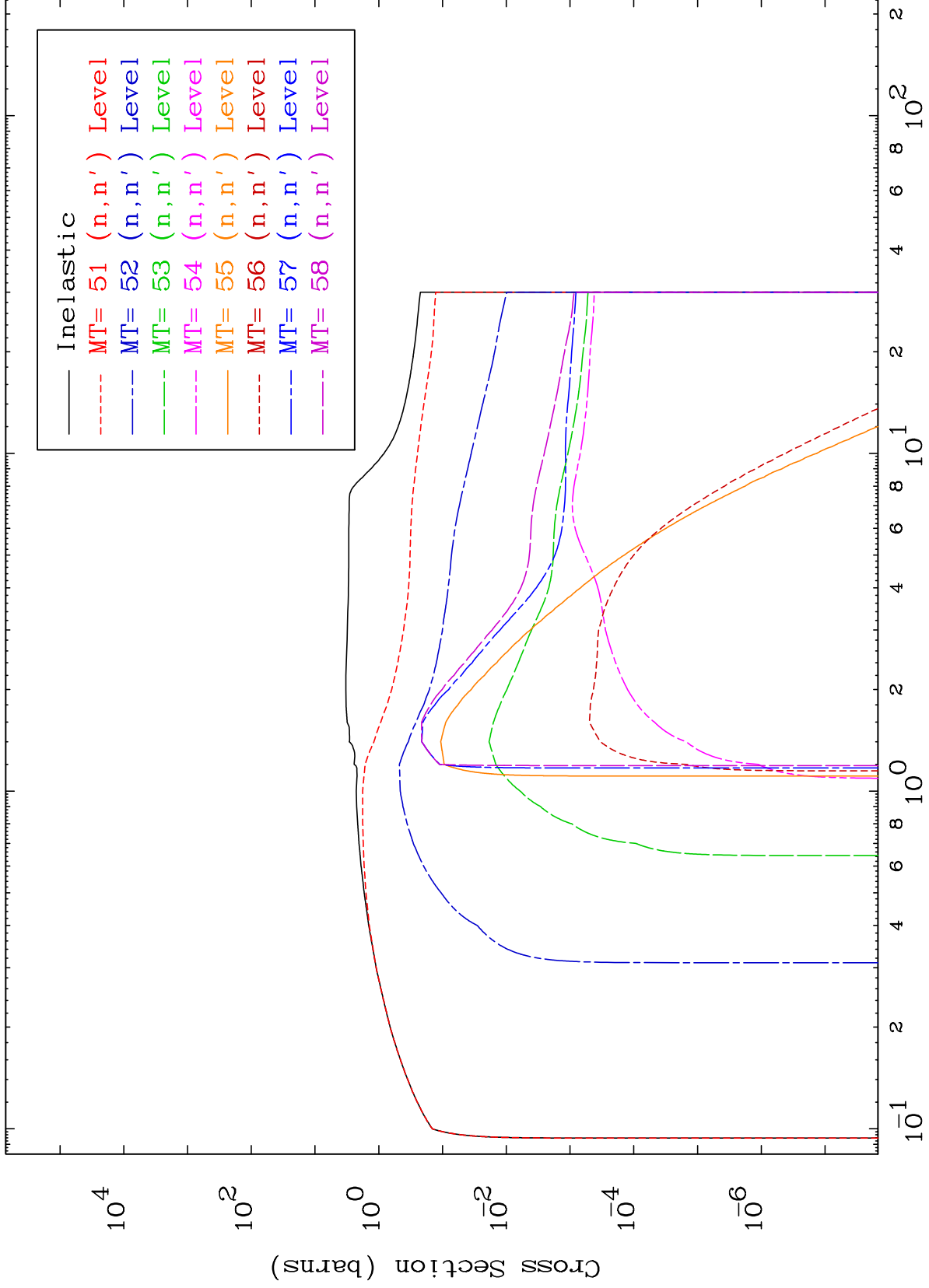


MAT 7243

(n,n') Levels

72-Hf-180

293 Kelvin Cross Sections



8

Incident Energy (MeV)

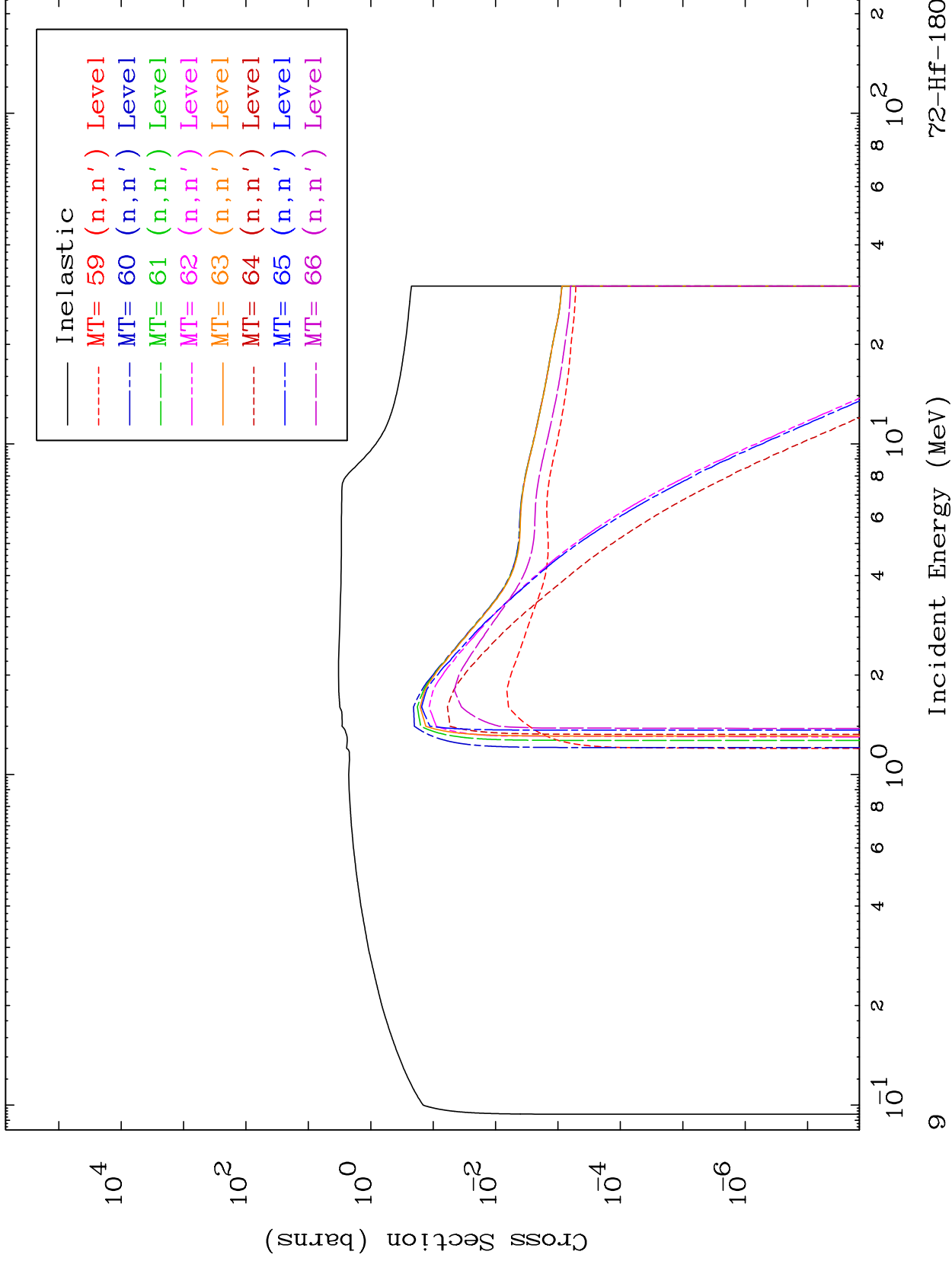
72-Hf-180

MAT 7243

(n,n') Levels

72-Hf-180

293 Kelvin Cross Sections



9

Incident Energy (MeV)

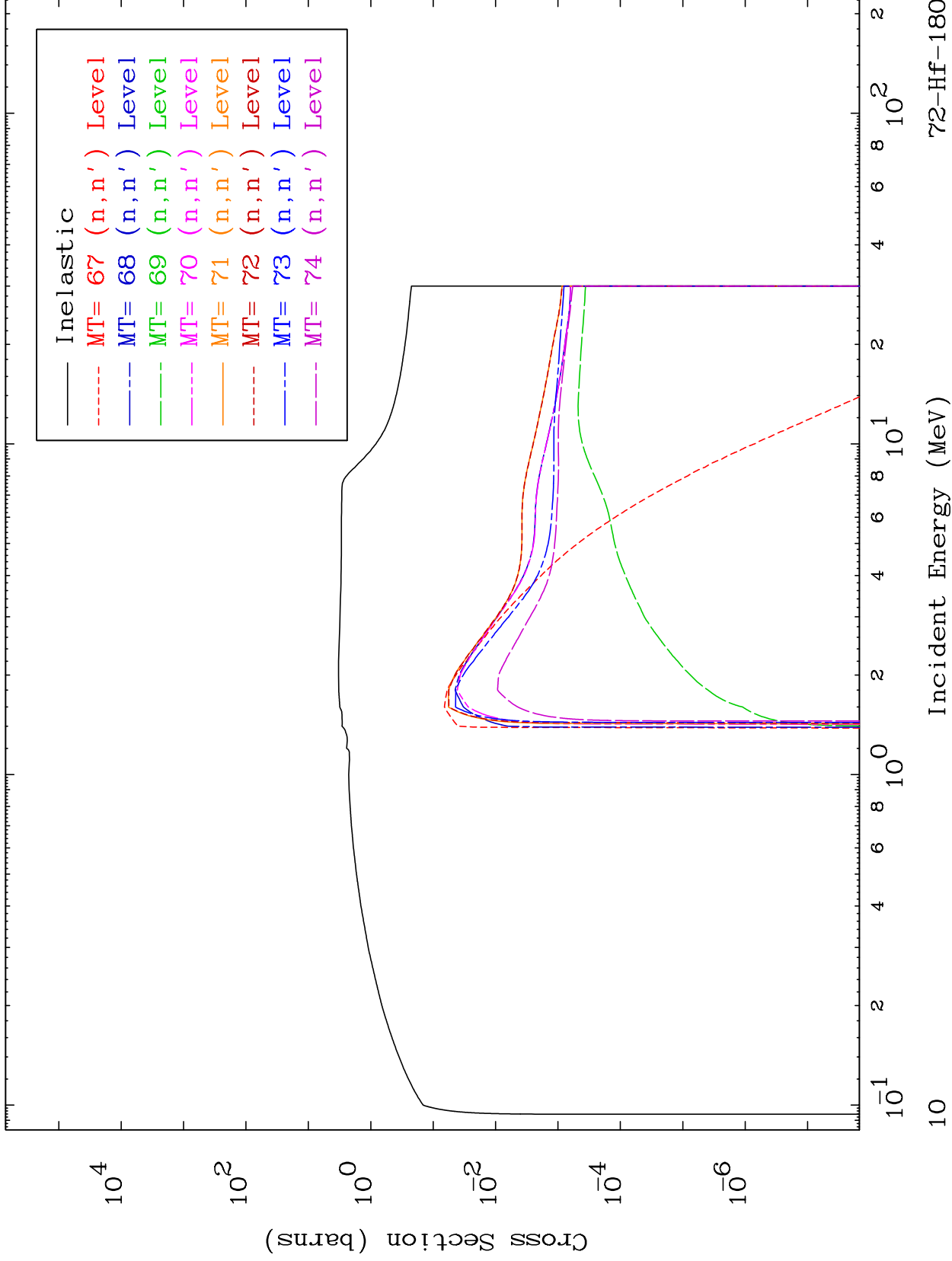
72-Hf-180

MAT 7243

(n,n') Levels

72-Hf-180

293 Kelvin Cross Sections



Incident Energy (MeV)

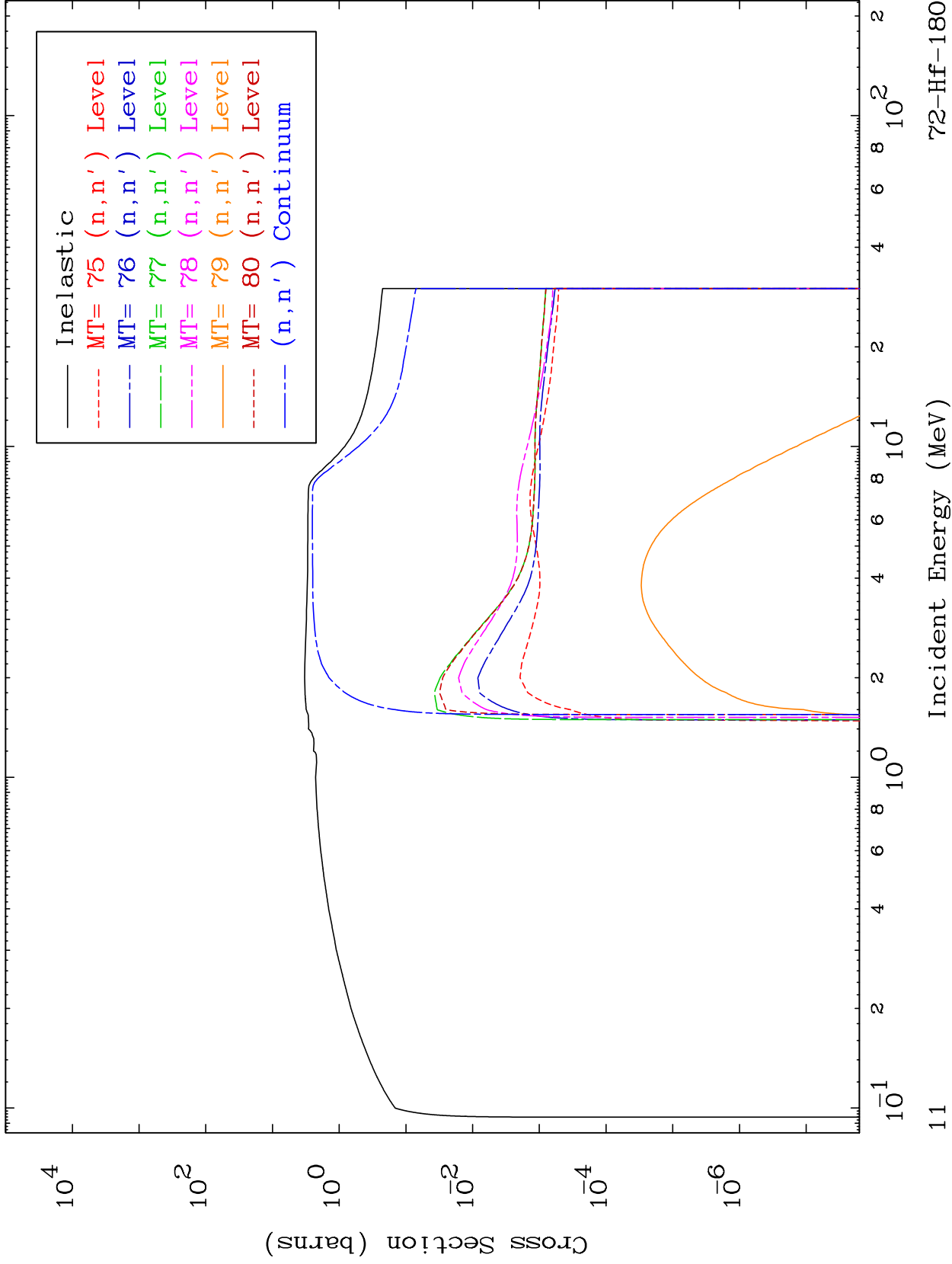
72-Hf-180

MAT 7243

(n,n') Levels

293 Kelvin Cross Sections

72-Hf-180

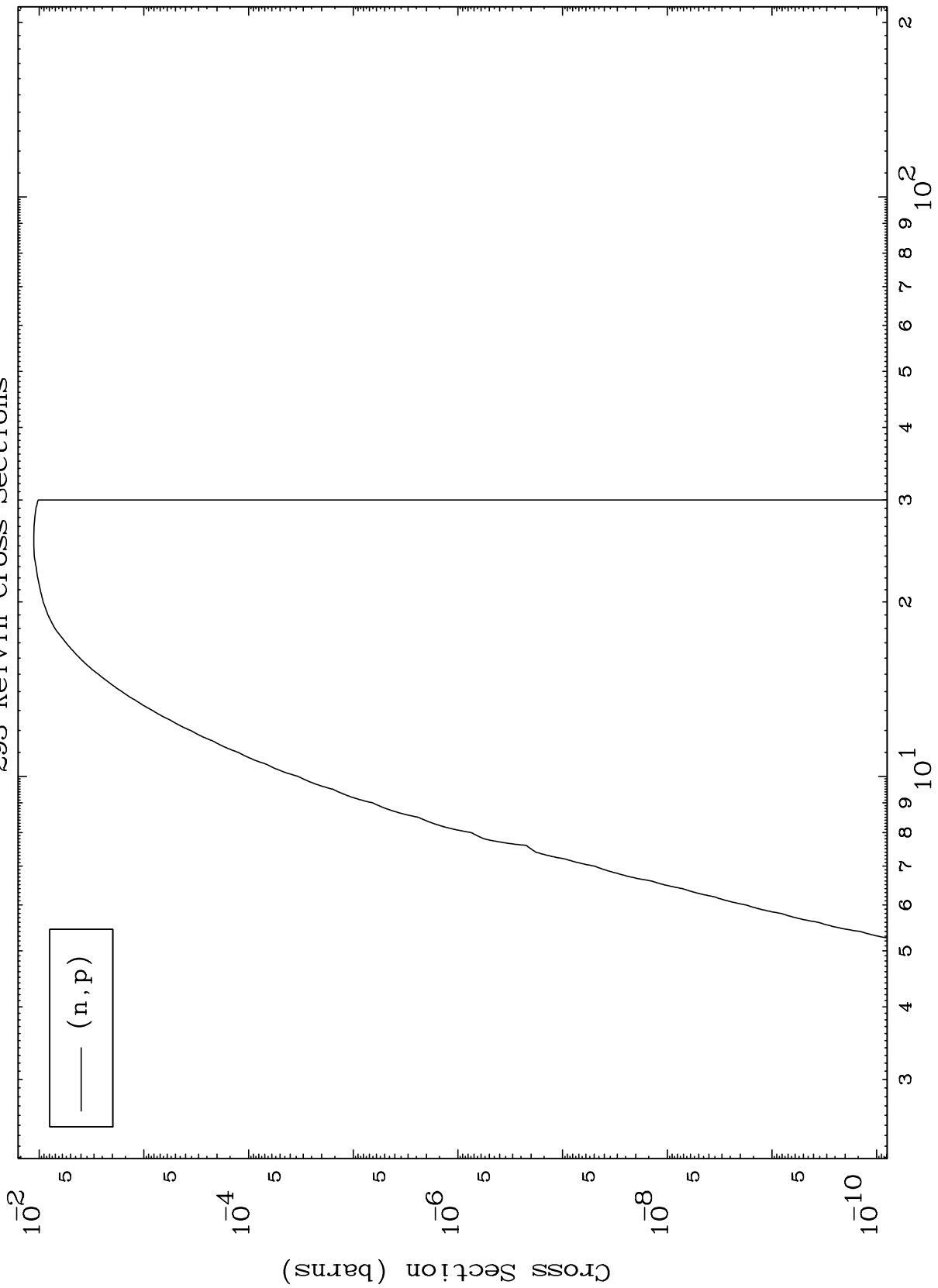


11

MAT 7243

(n,p) Levels  
293 Kelvin Cross Sections

72-Hf-180



12

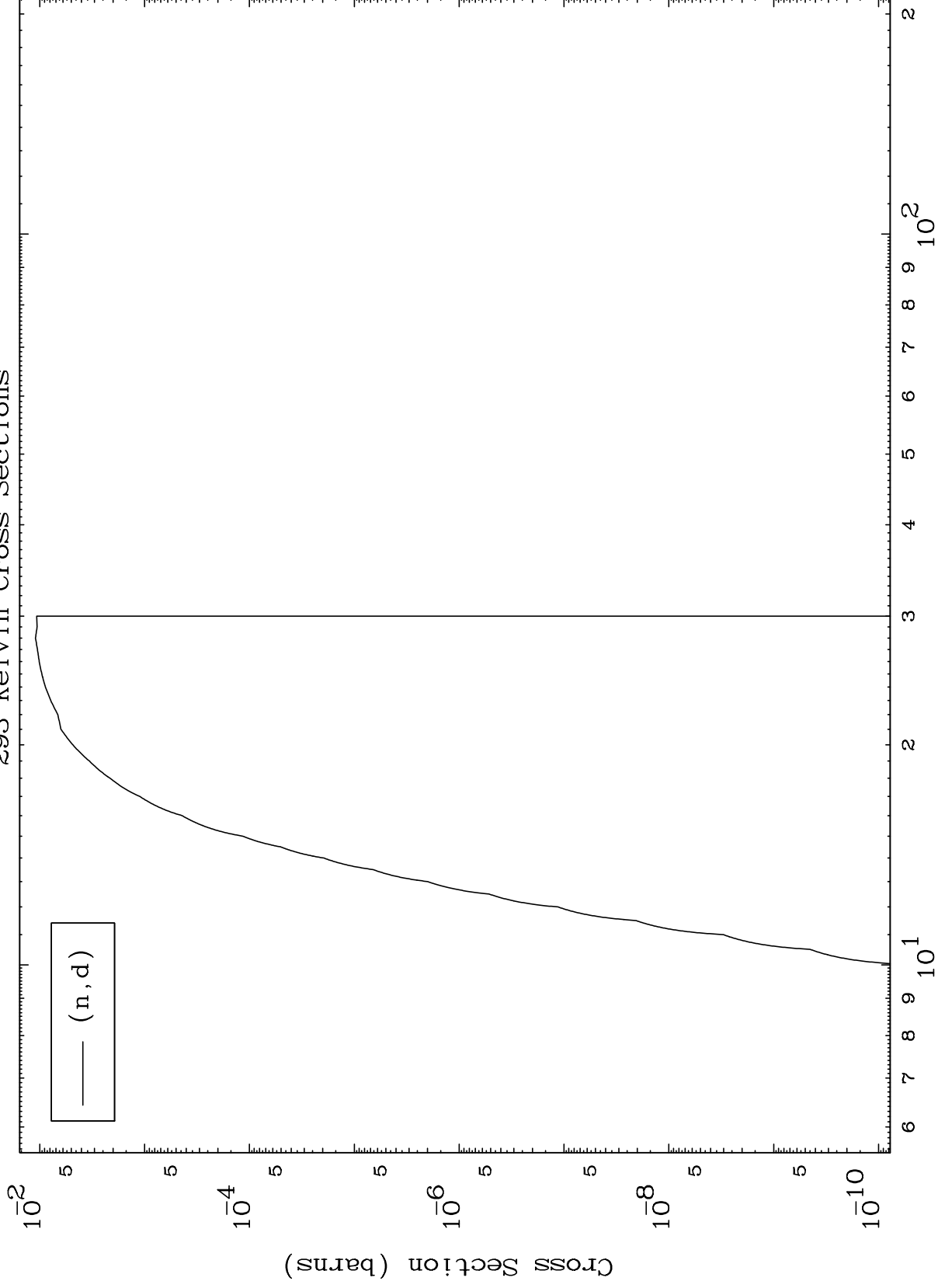
Incident Energy (MeV)

72-Hf-180

MAT 7243

(n,d) Levels  
293 Kelvin Cross Sections

72-Hf-180



13

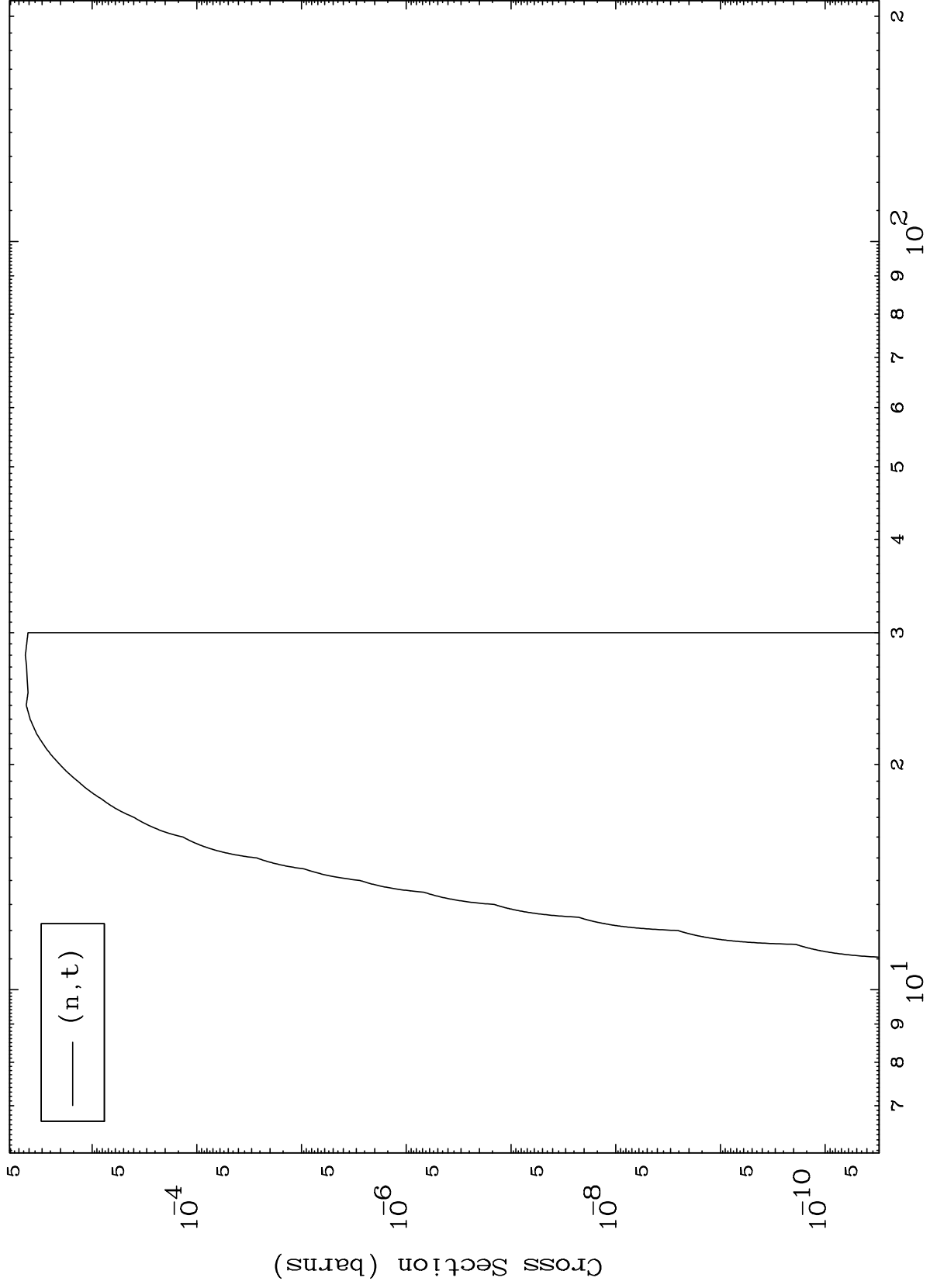
Incident Energy (MeV)

72-Hf-180

MAT 7243

(n, t) Levels  
293 Kelvin Cross Sections

72-Hf-180



14

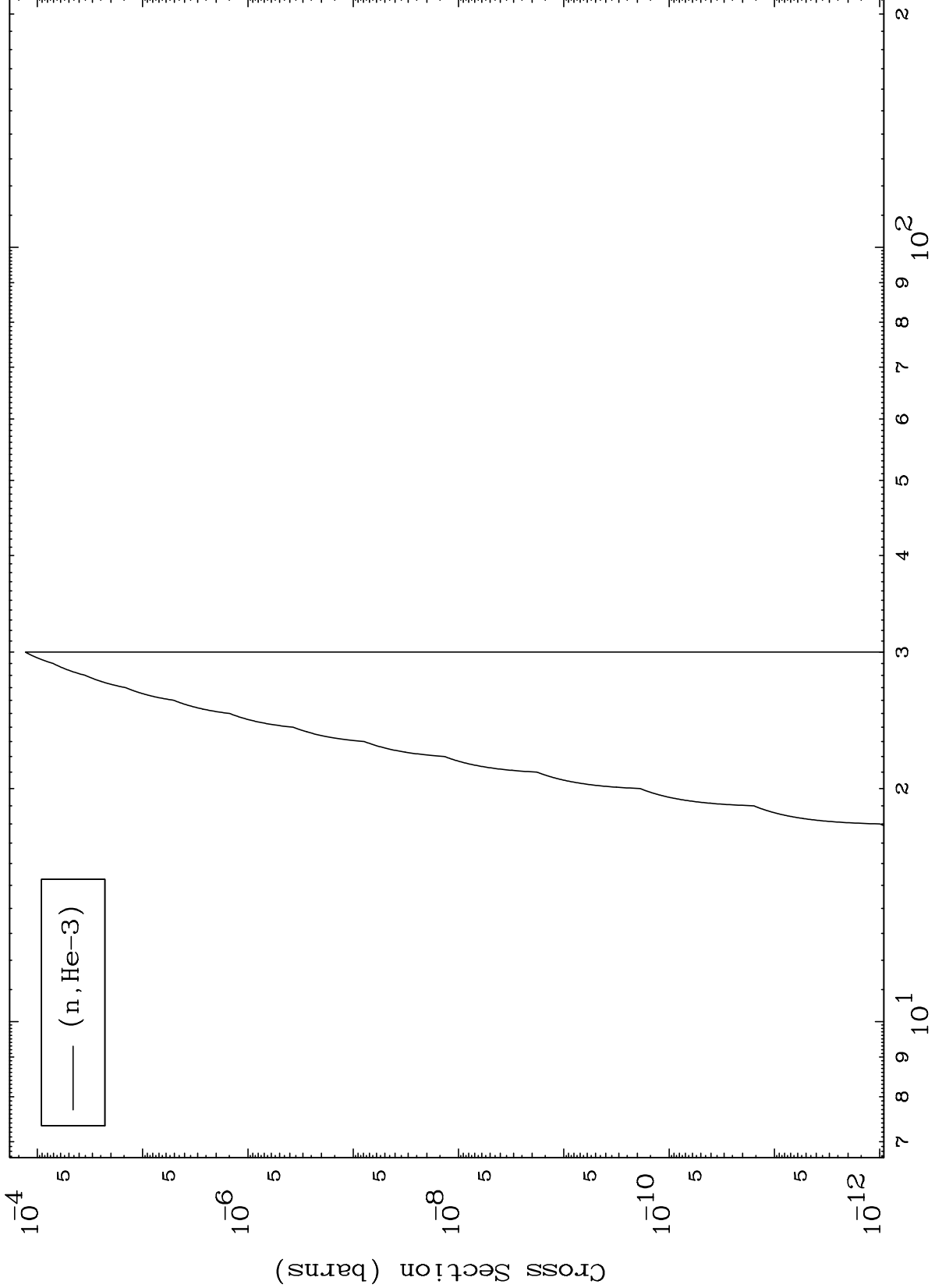
Incident Energy (MeV)

72-Hf-180

MAT 7243

(n,He3) Levels  
293 Kelvin Cross Sections

72-Hf-180



(n, He-3)

15

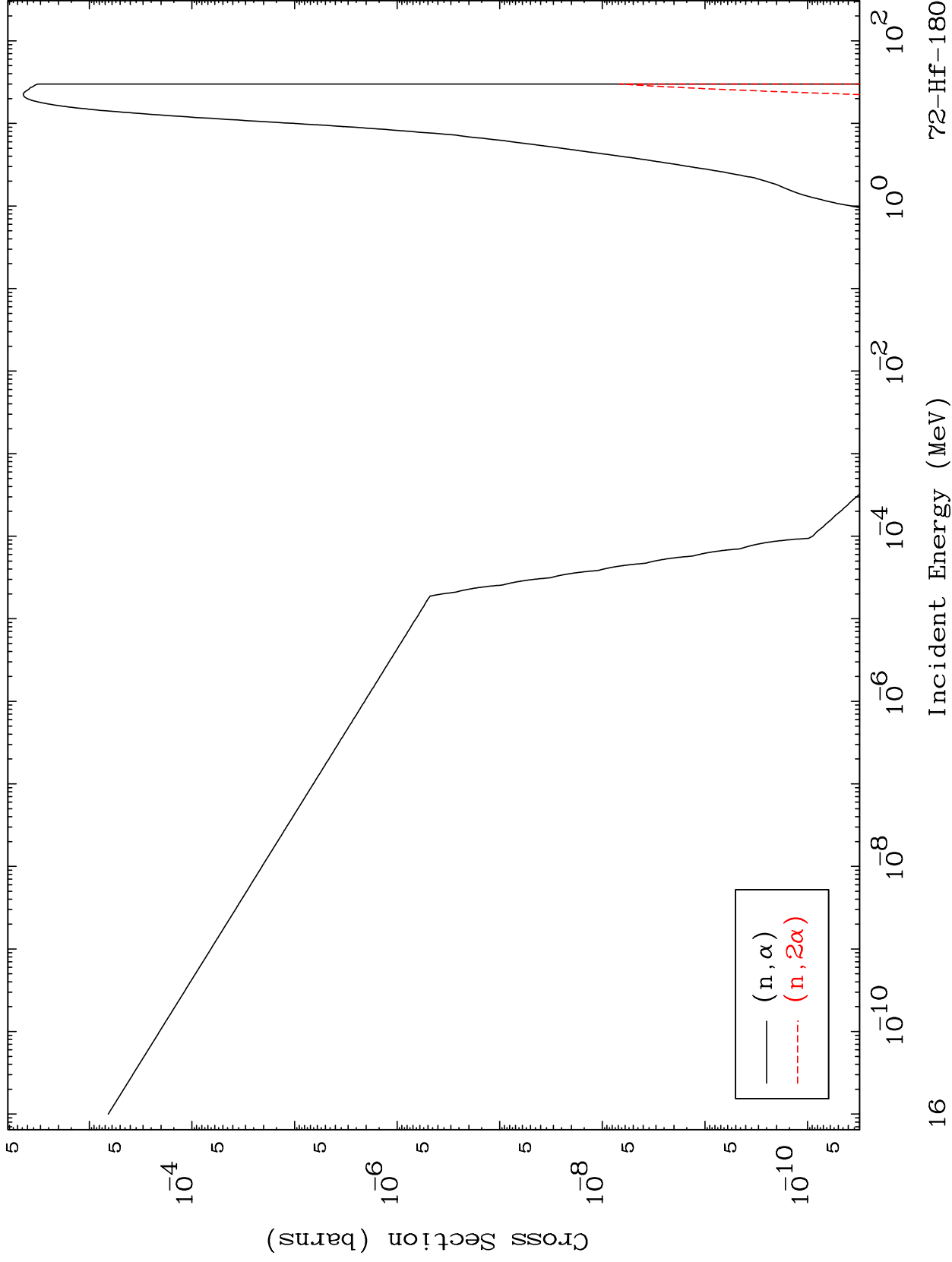
Incident Energy (MeV)

72-Hf-180

MAT 7243

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

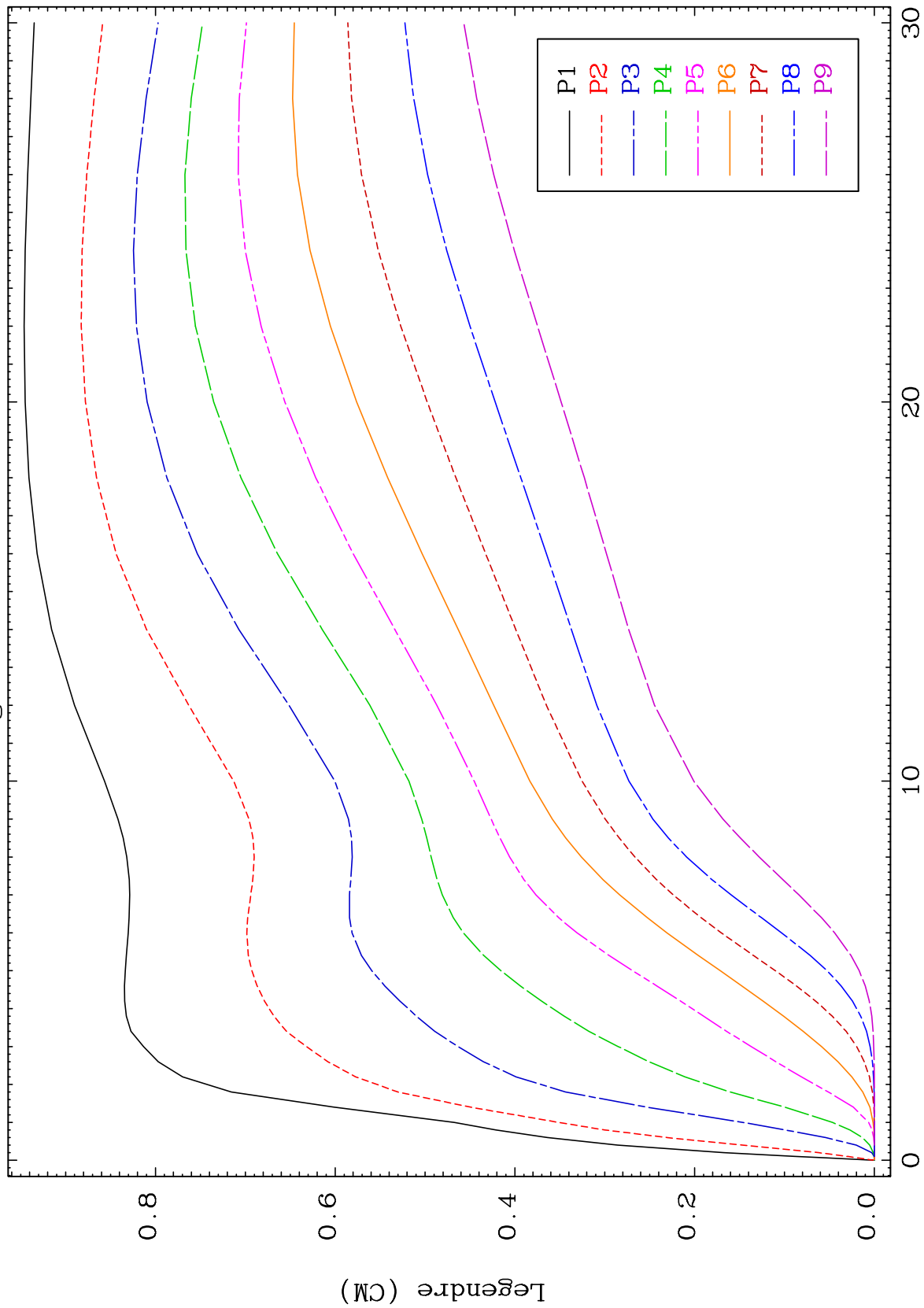
72-Hf-180



MAT 7243

Elastic Legendre Coefficients

72-Hf-180



17

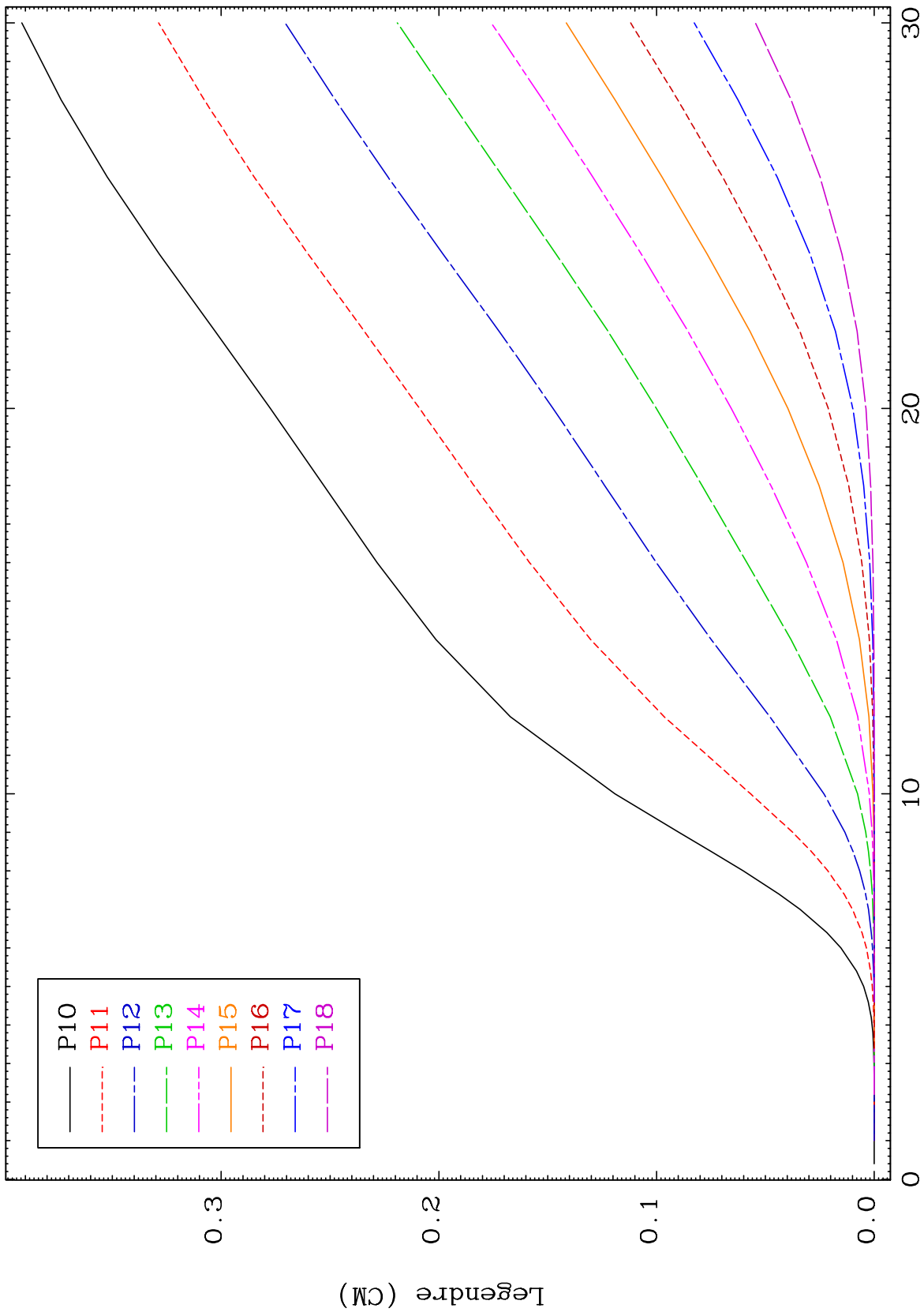
Incident Energy (MeV)

72-Hf-180

MAT 7243

Elastic Legendre Coefficients

72-Hf-180



18

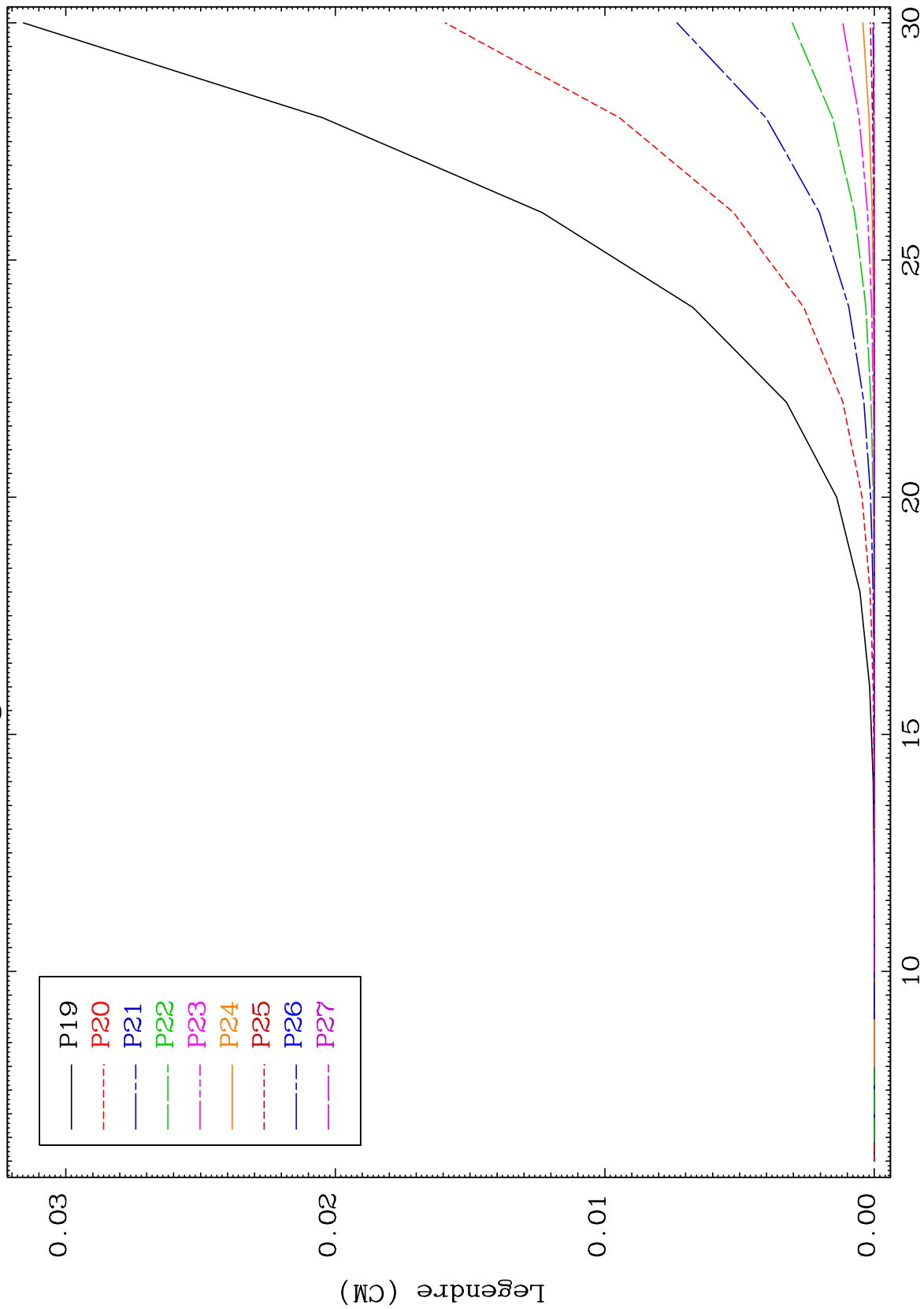
Incident Energy (MeV)

72-Hf-180

MAT 7243

Elastic  
Legendre Coefficients

72-Hf-180



19

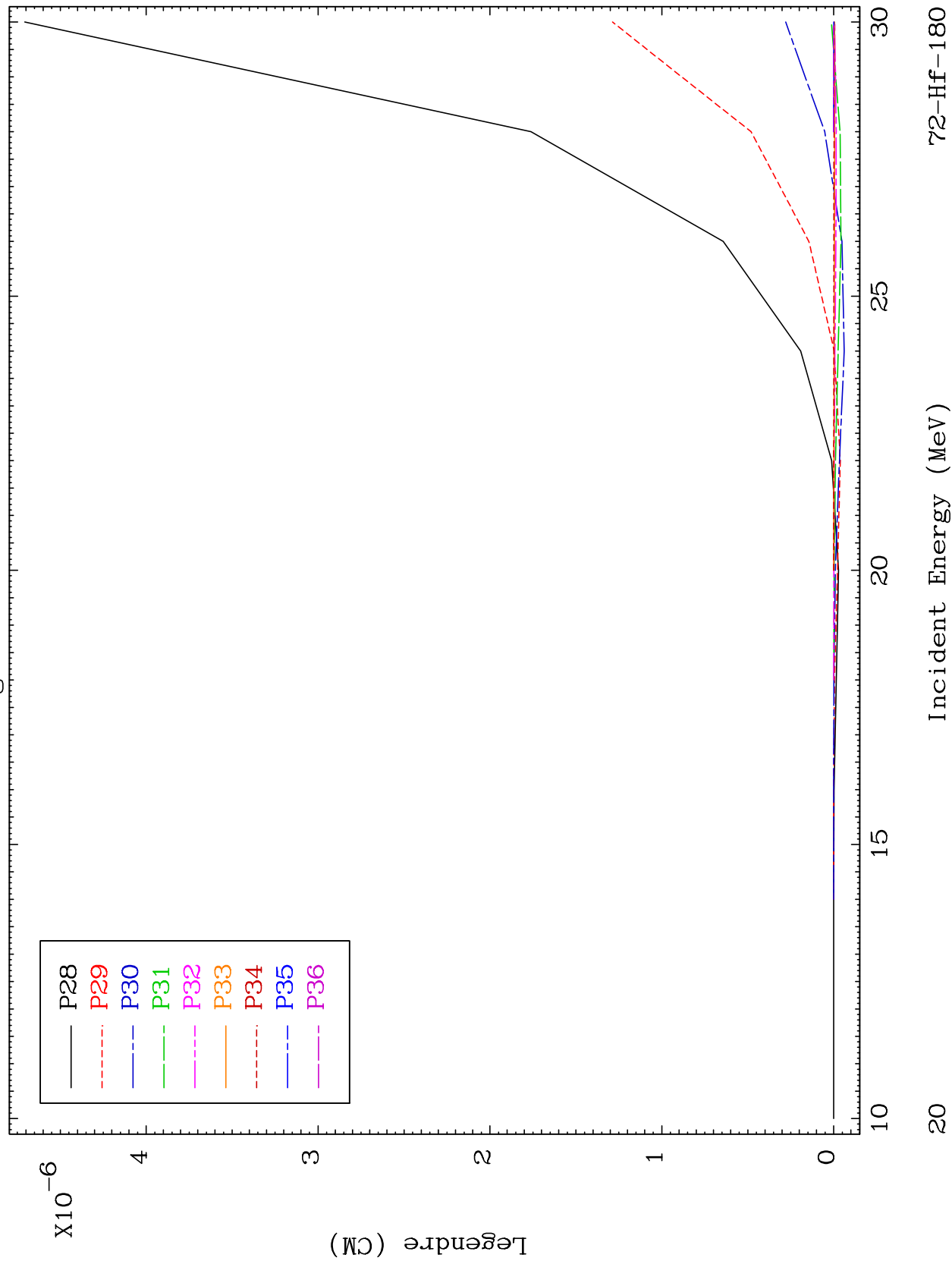
Incident Energy (MeV)

72-Hf-180

MAT 7243

Elastic Legendre Coefficients

72-Hf-180



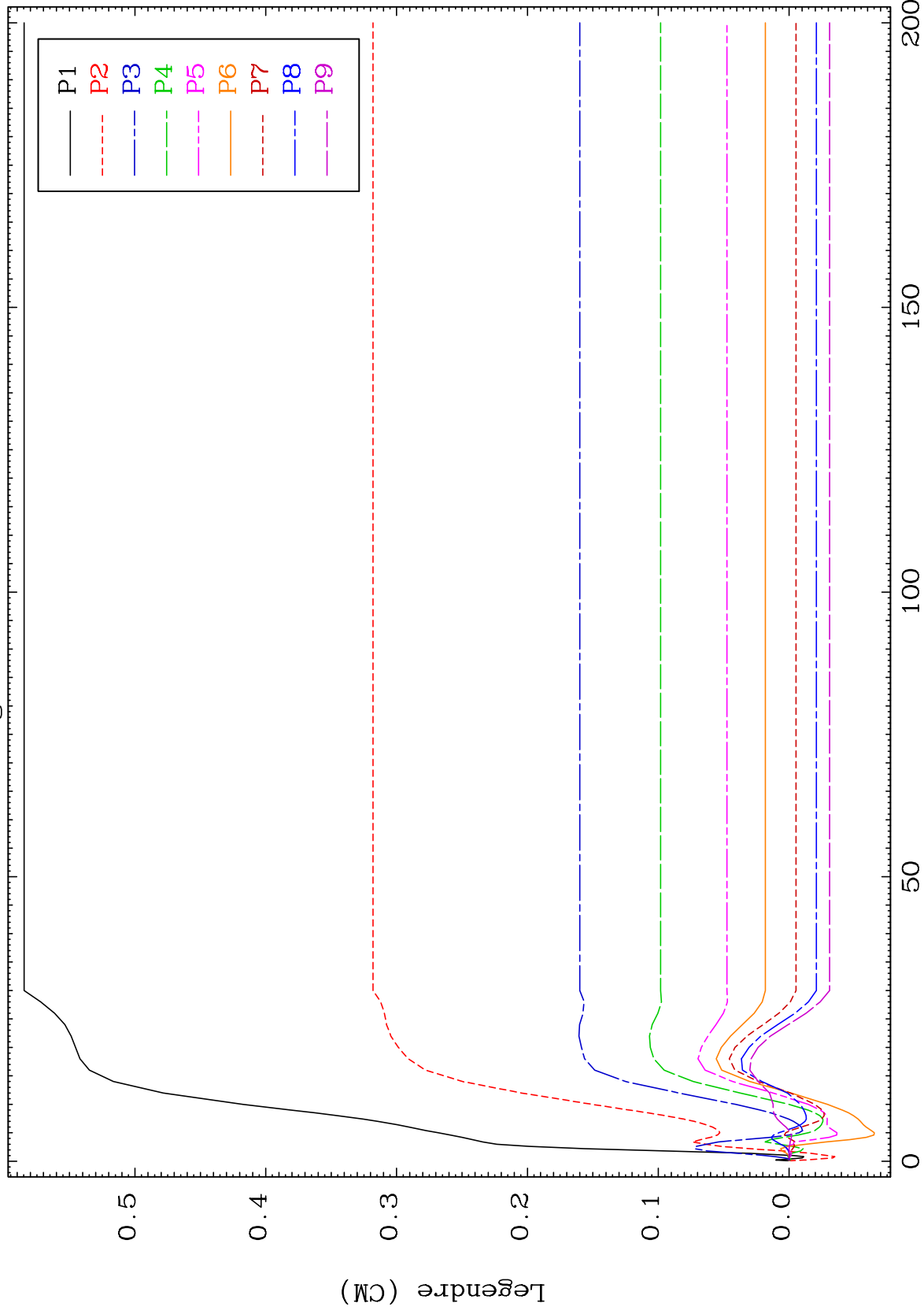
72-Hf-180

Incident Energy (MeV)

MAT 7243

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

72-Hf-180



21

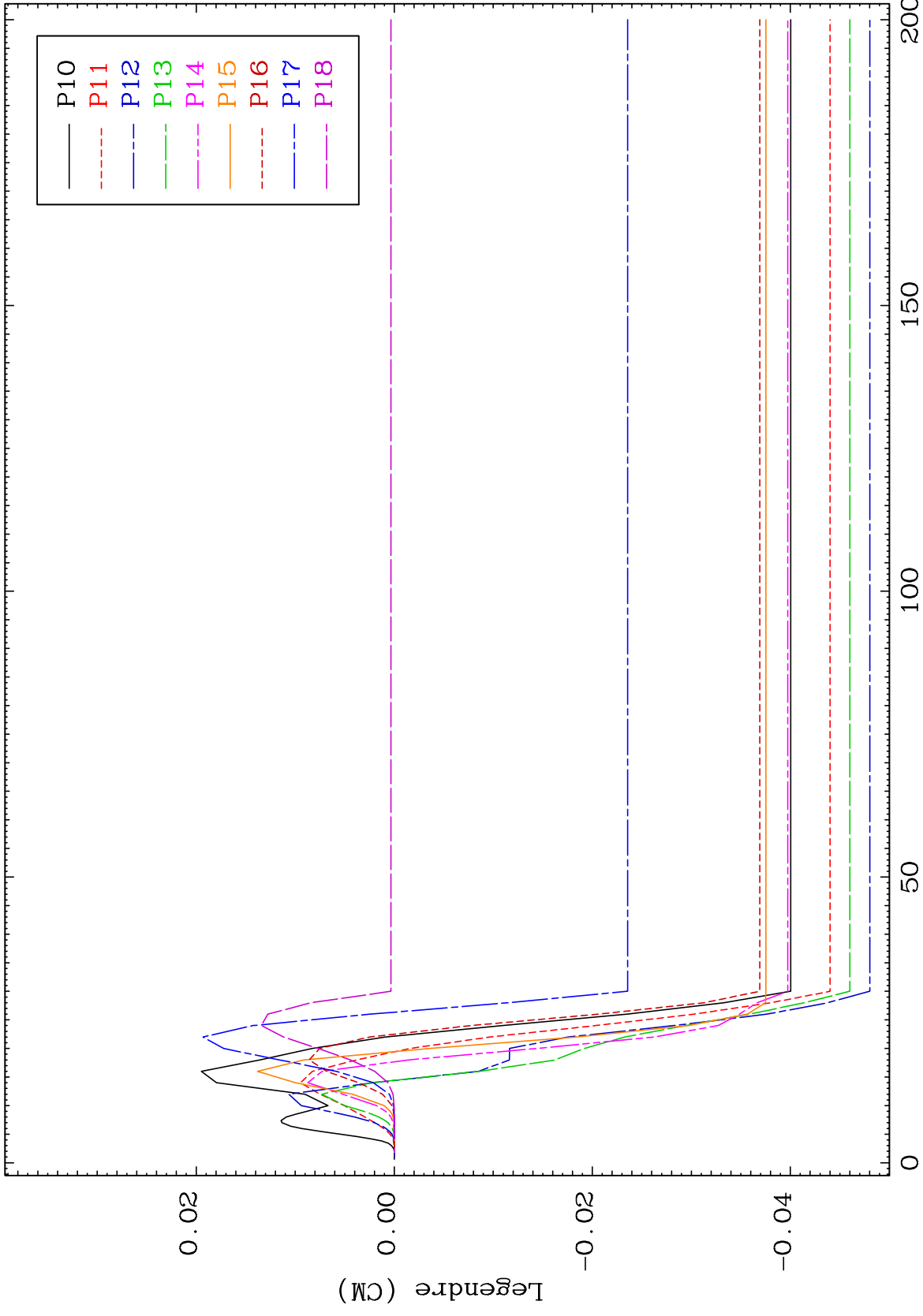
Incident Energy (MeV)

72-Hf-180

MAT 7243

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

72-Hf-180



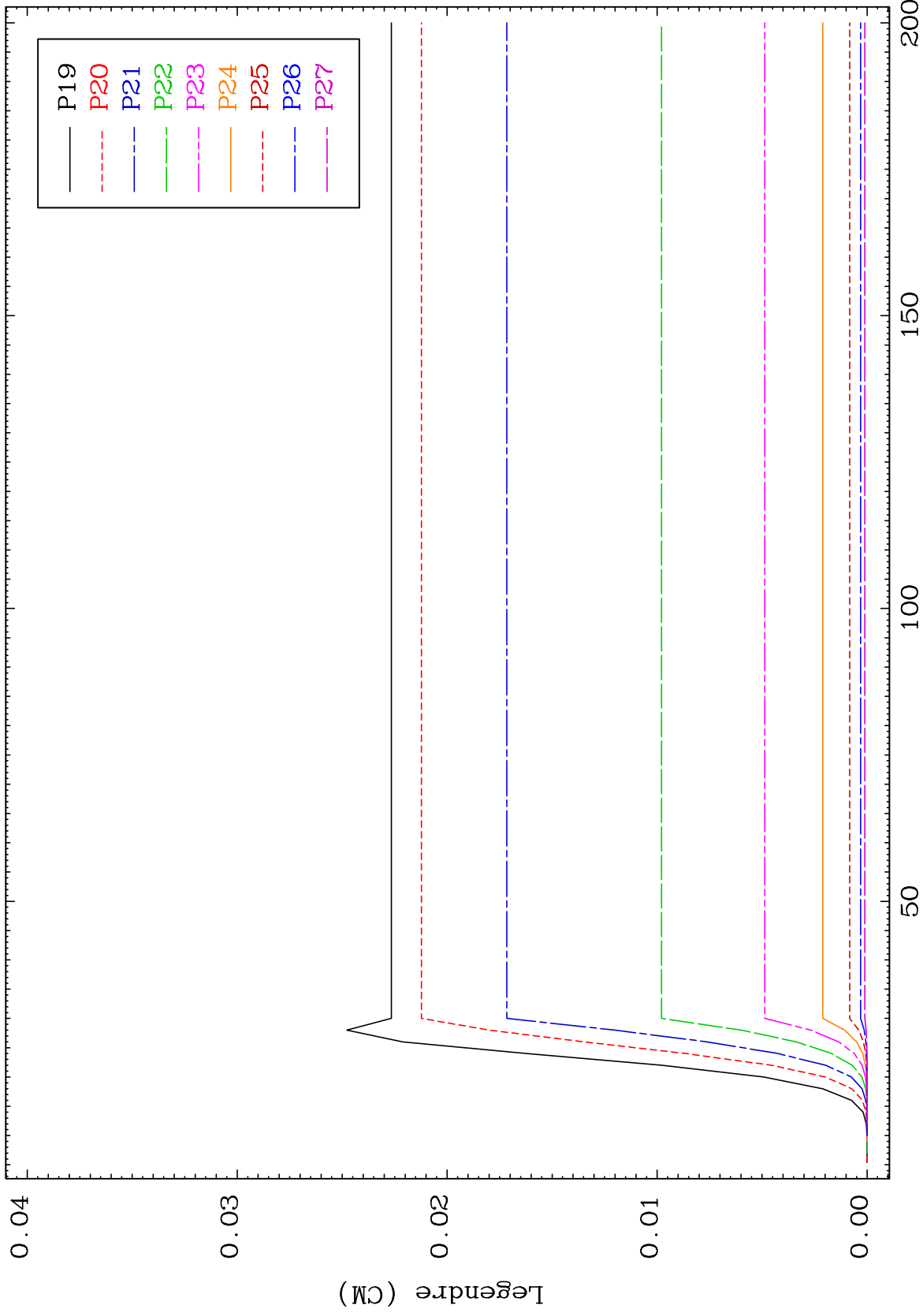
22

72-Hf-180

MAT 7243

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

72-Hf-180



23

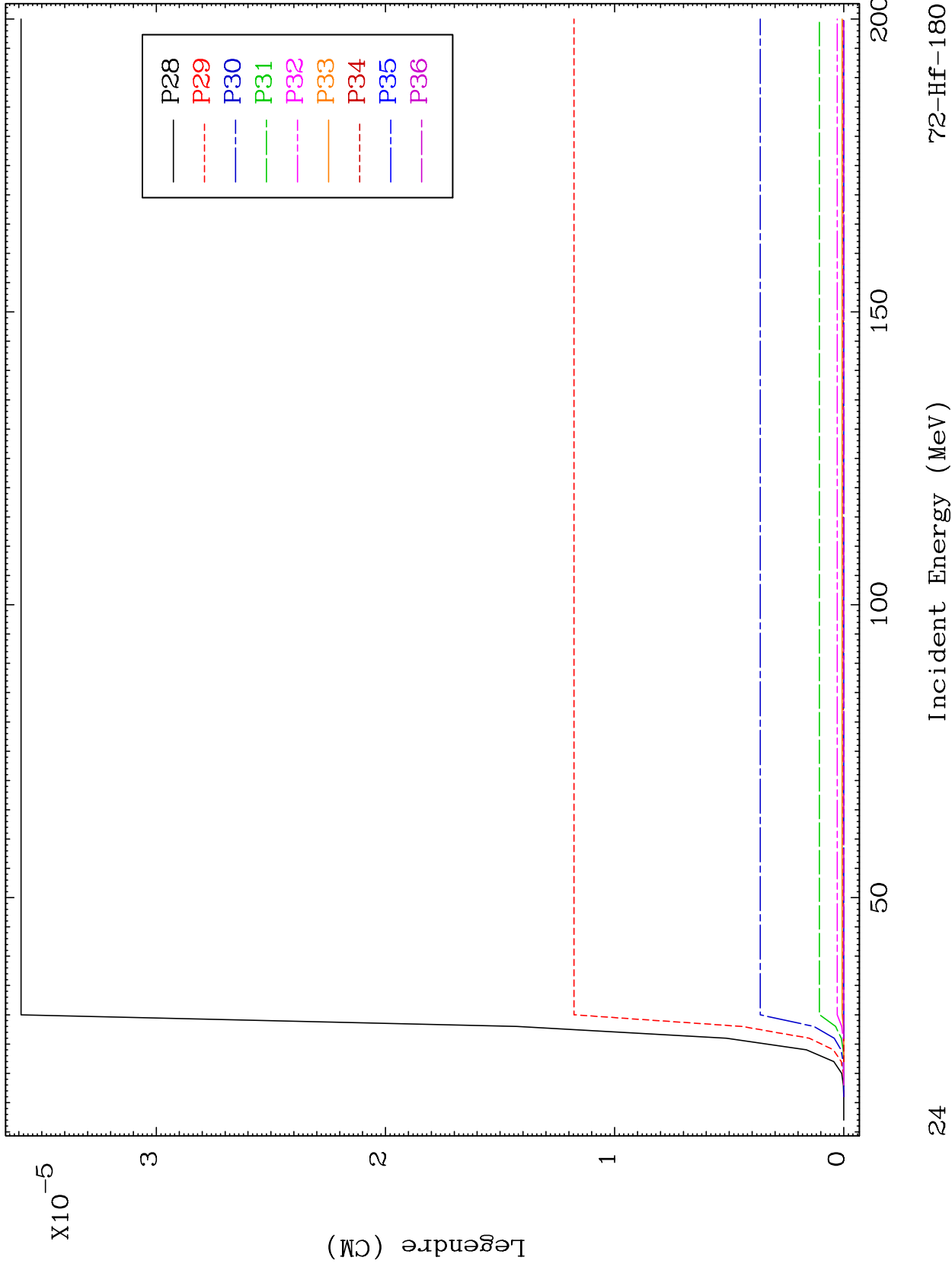
Incident Energy (MeV)

72-Hf-180

MAT 7243

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

72-Hf-180

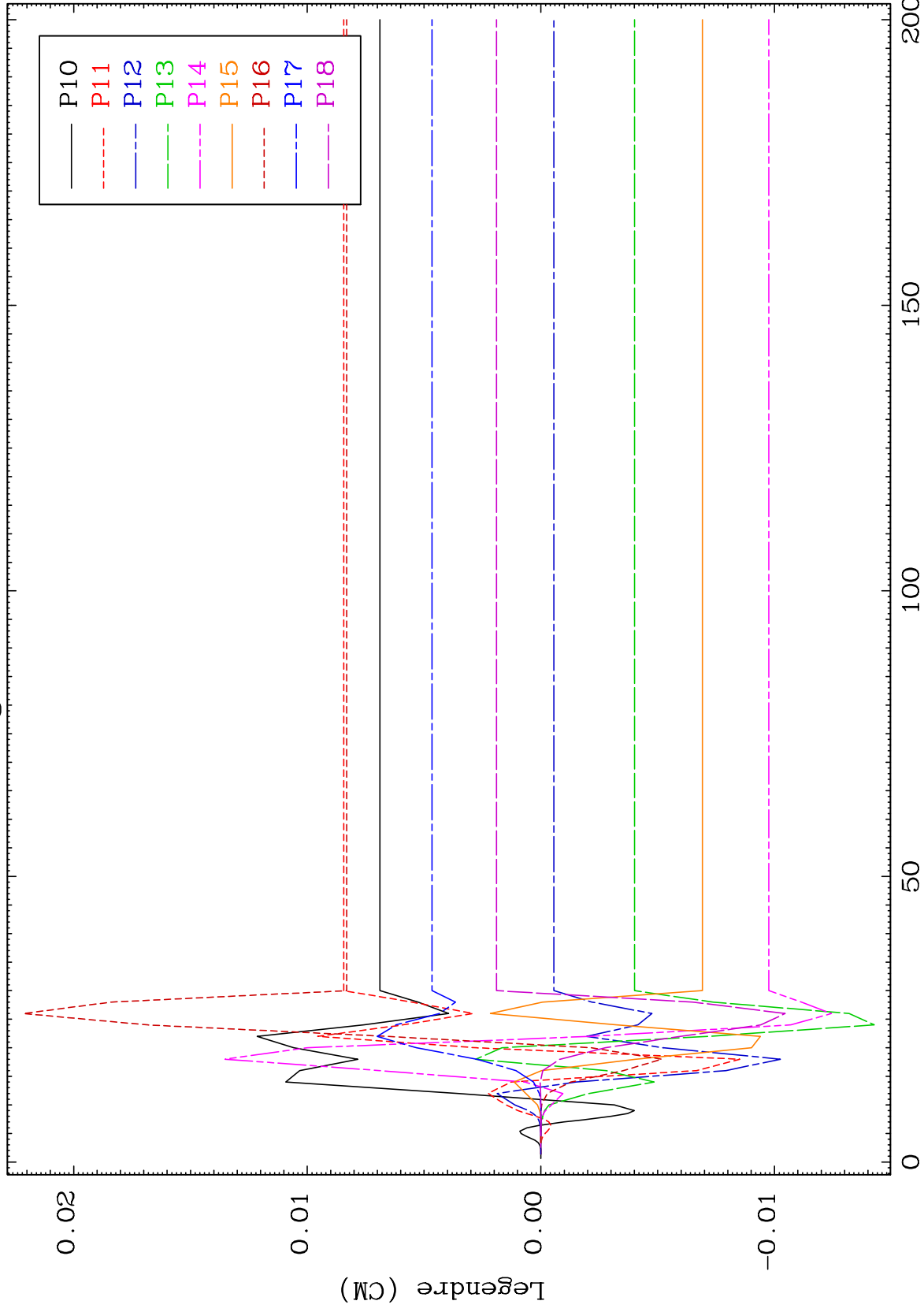




MAT 7243

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

72-Hf-180



26

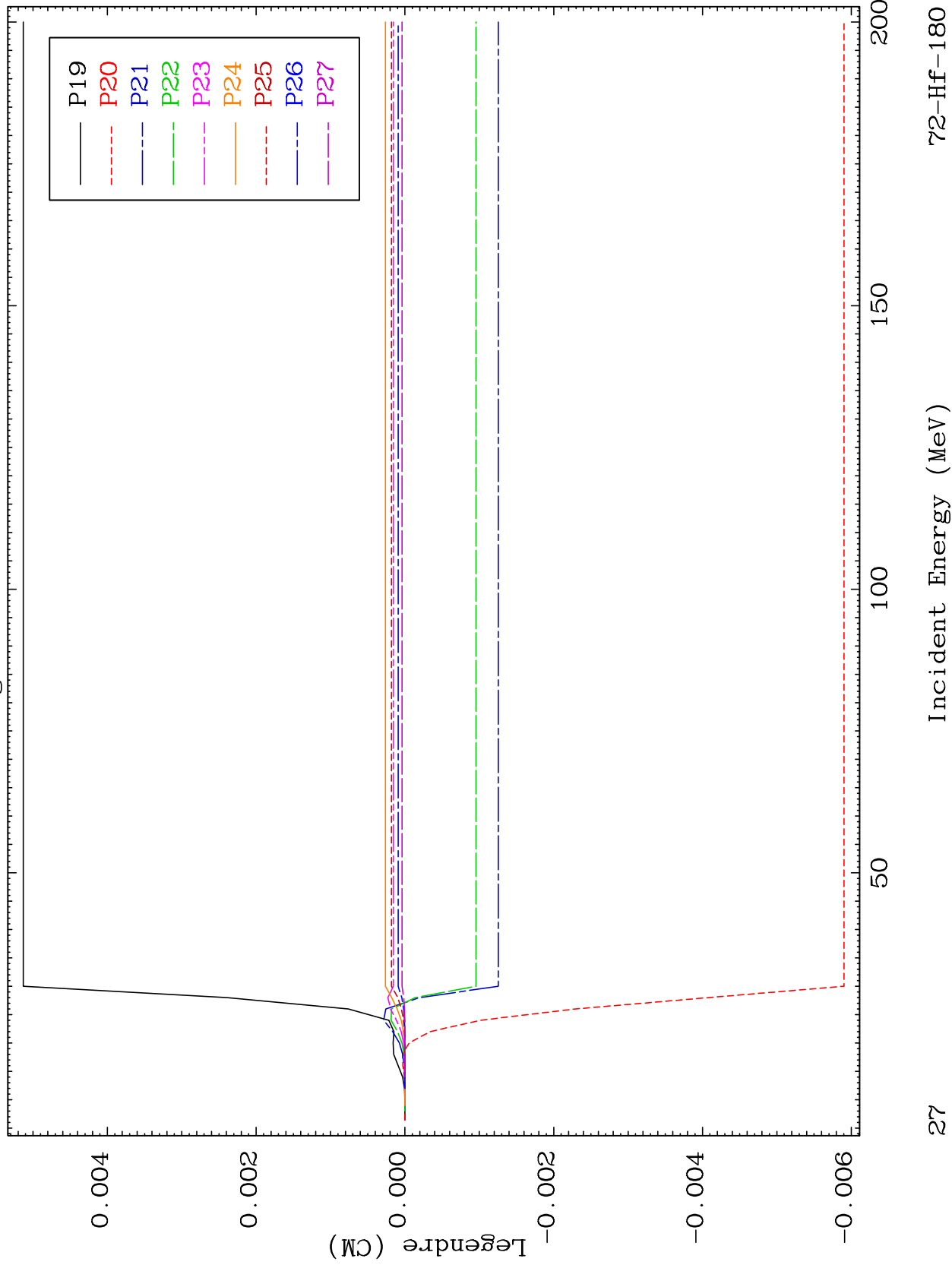
Incident Energy (MeV)

72-Hf-180

MAT 7243

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

72-Hf-180



27

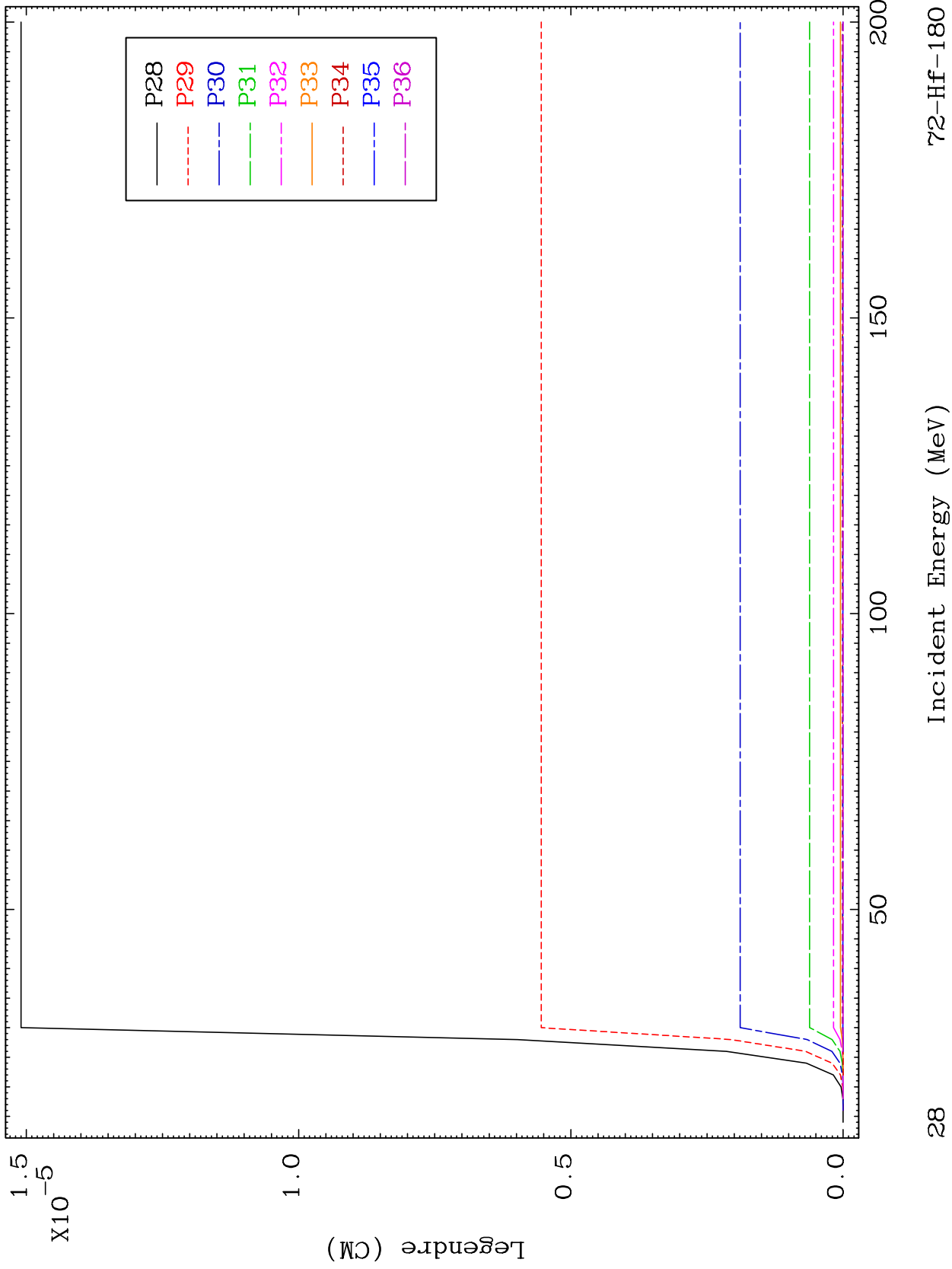
Incident Energy (MeV)

72-Hf-180

MAT 7243

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

72-Hf-180

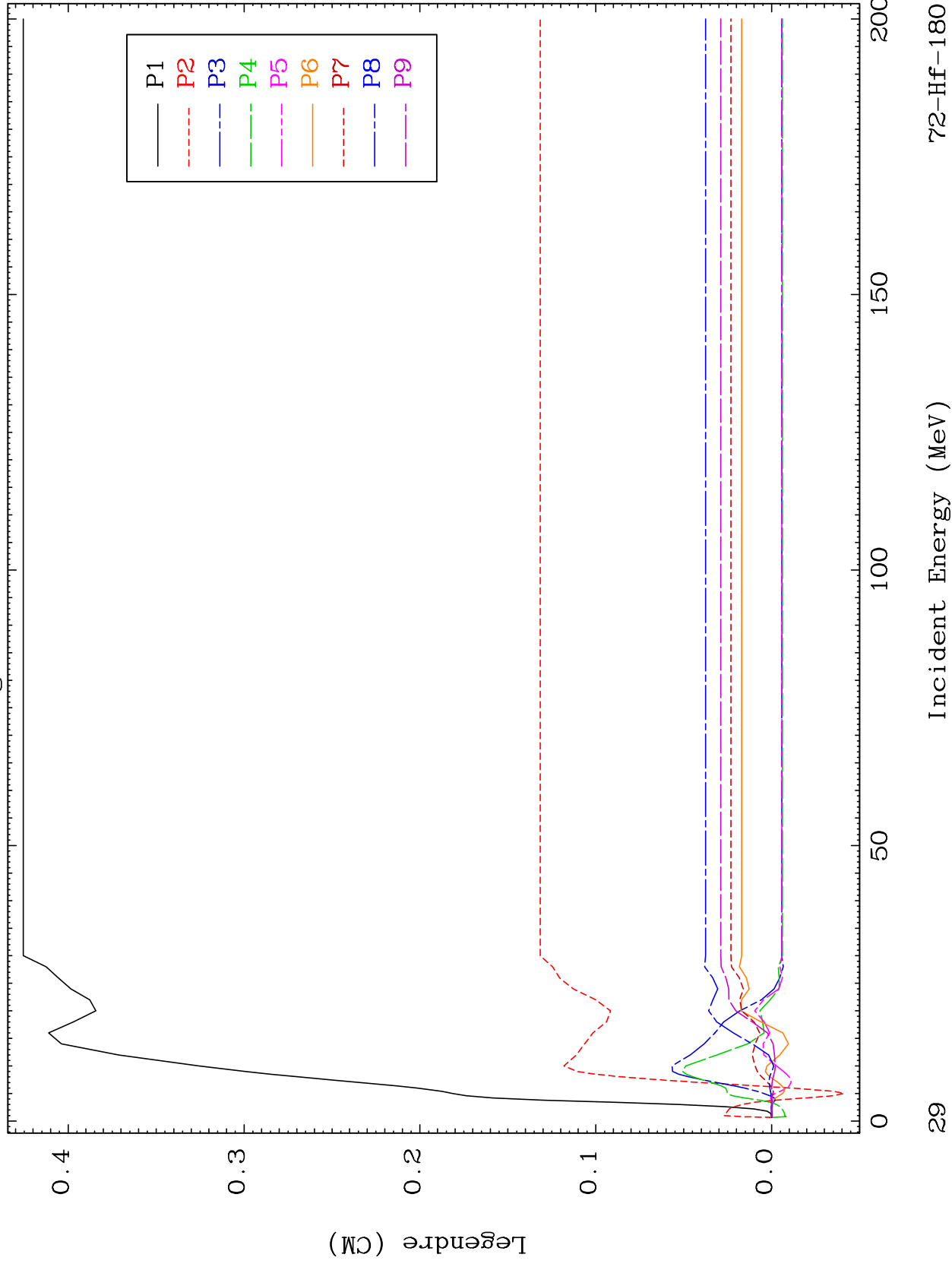


28

MAT 7243

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

72-Hf-180



29

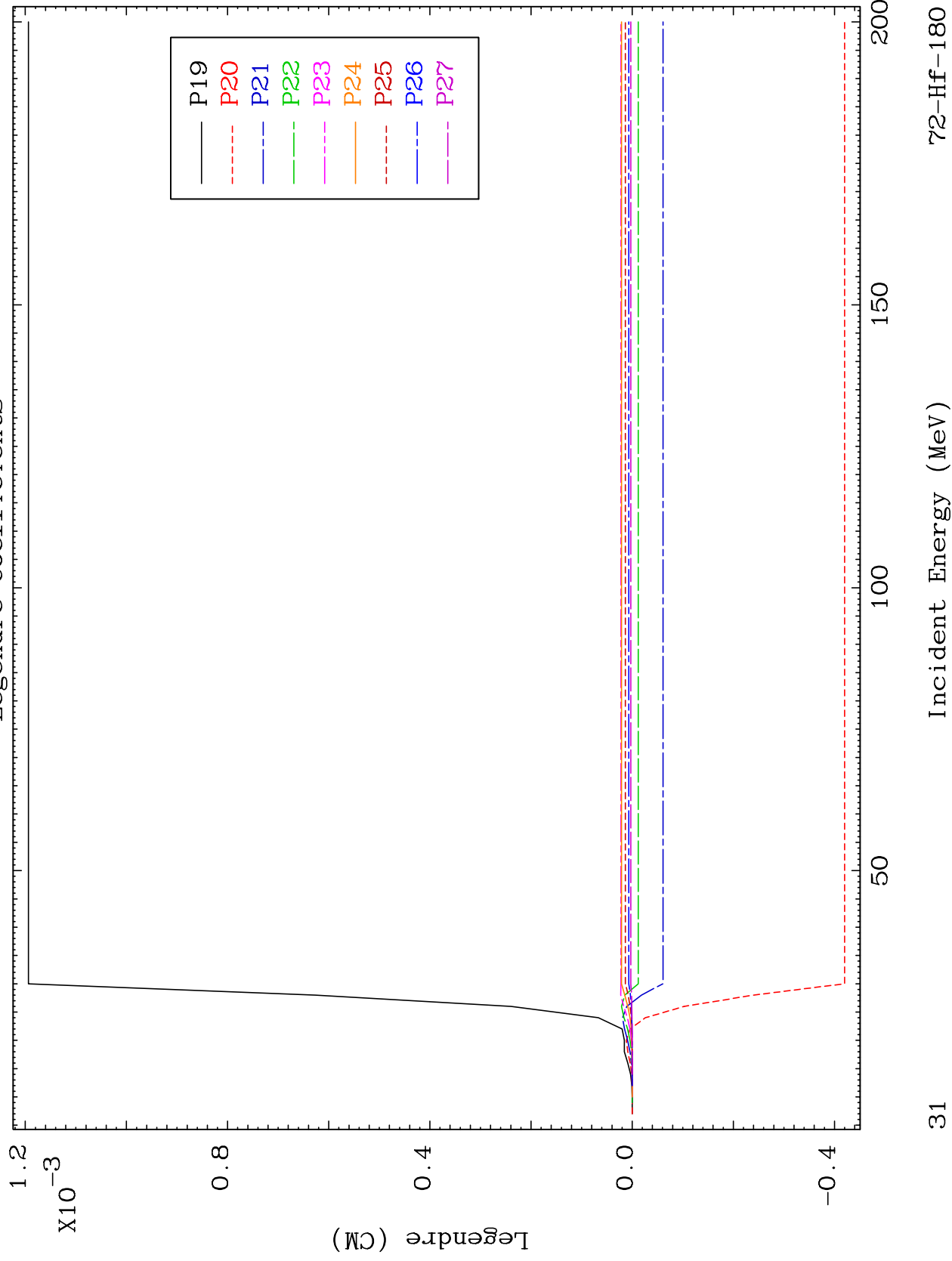
72-Hf-180



MAT 7243

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

72-Hf-180



31

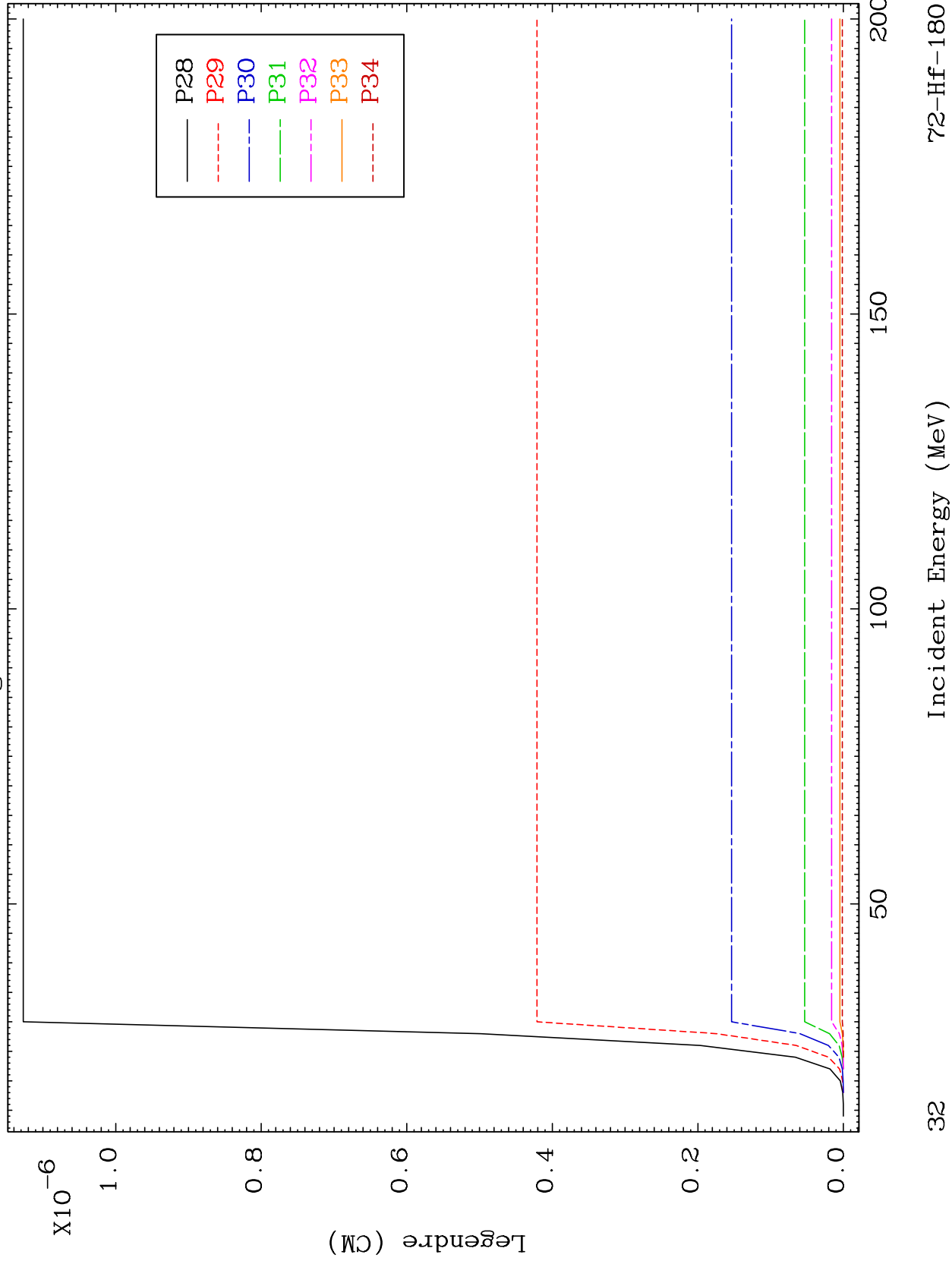
Incident Energy (MeV)

72-Hf-180

MAT 7243

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

72-Hf-180

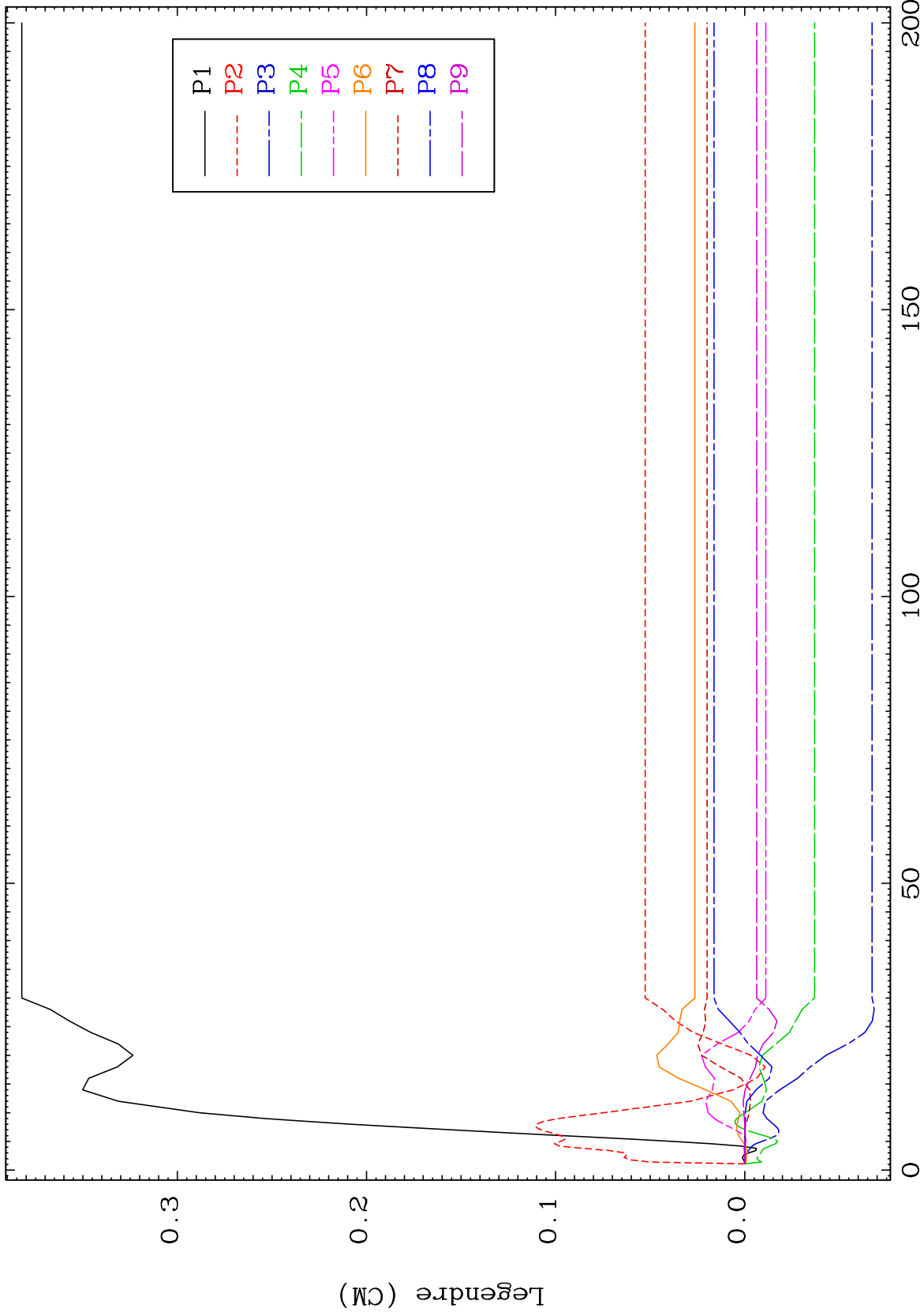


32

MAT 7243

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

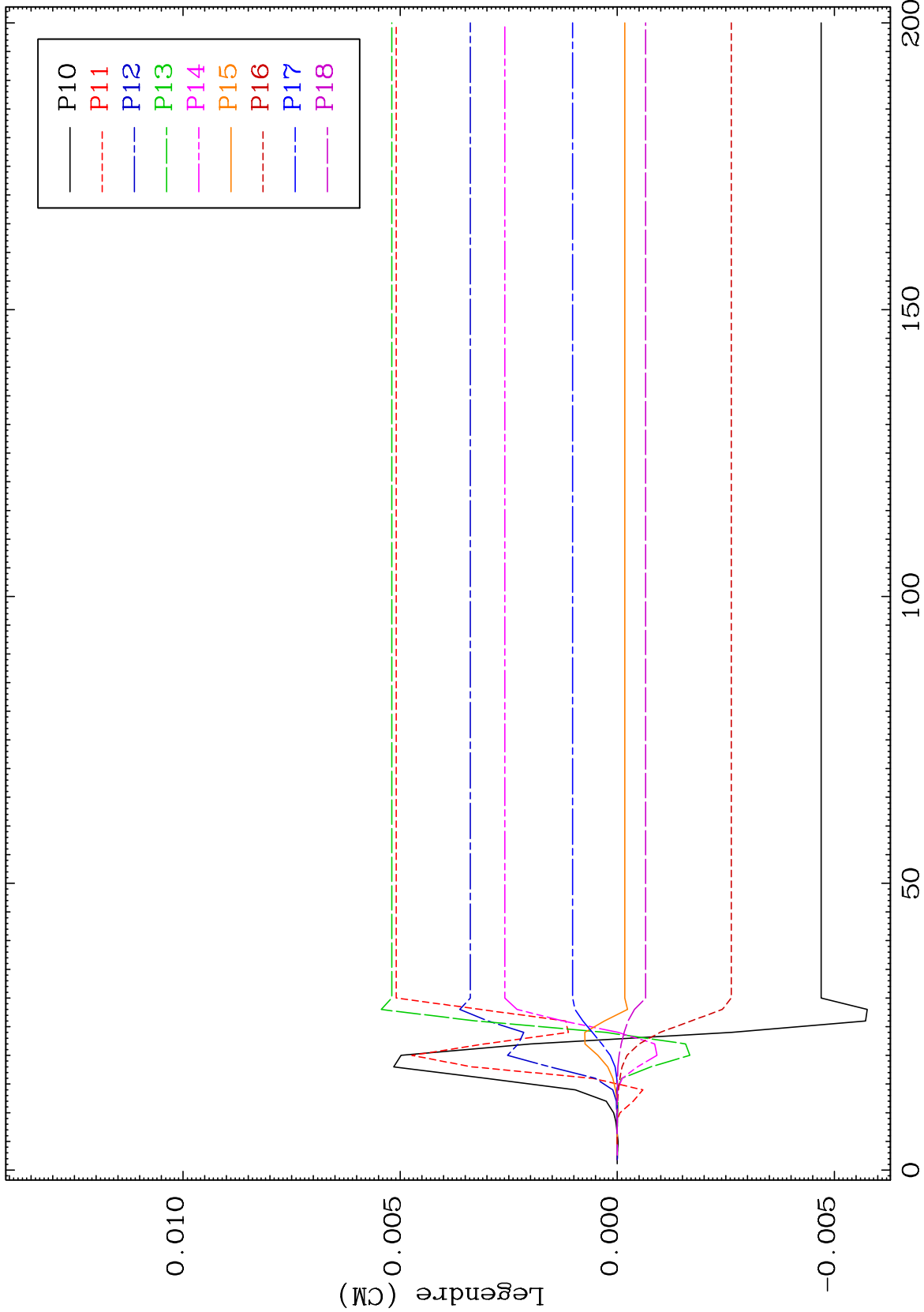
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MAT 7243

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

72-Hf-180



34

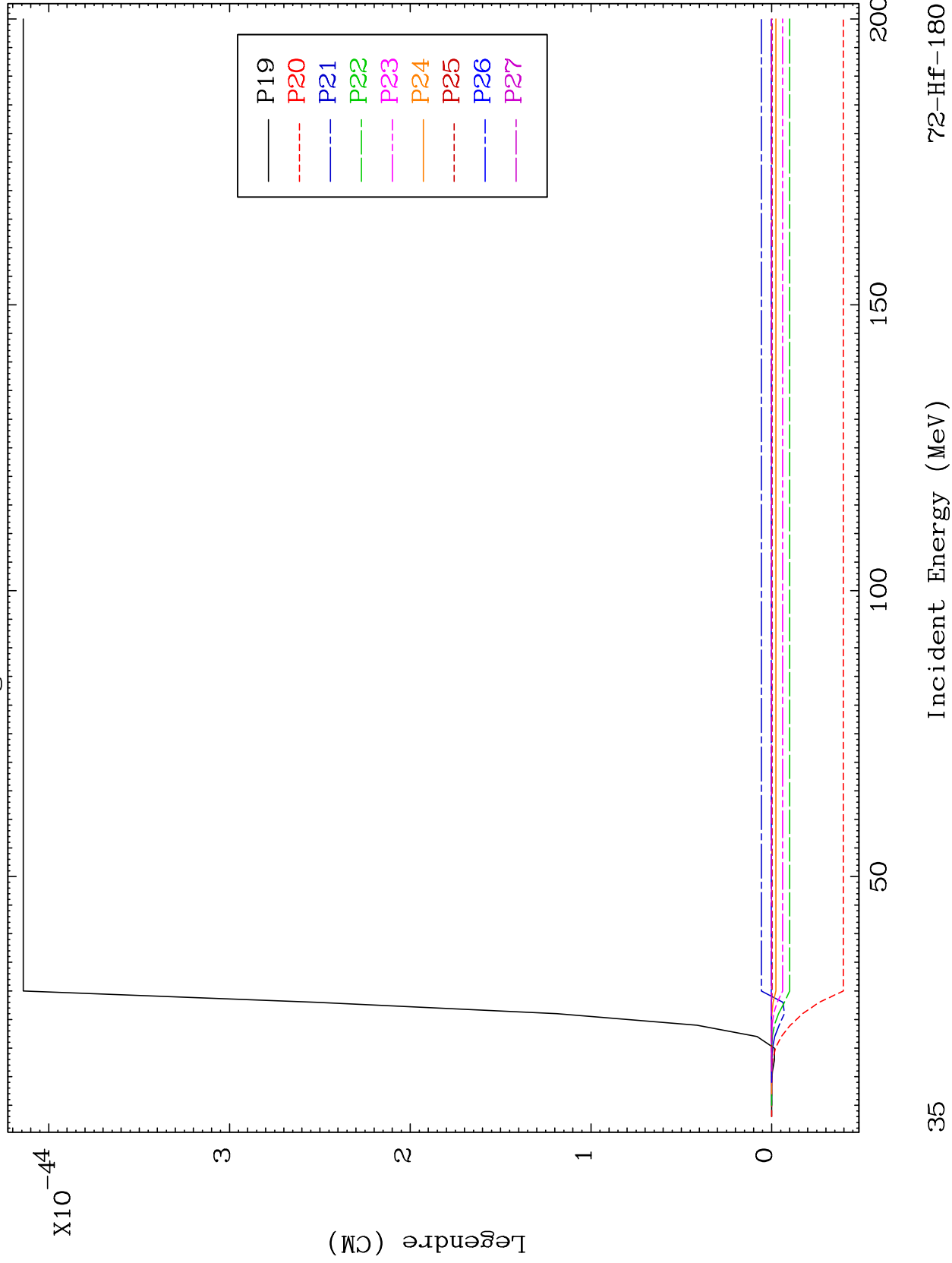
Incident Energy (MeV)

72-Hf-180

MAT 7243

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

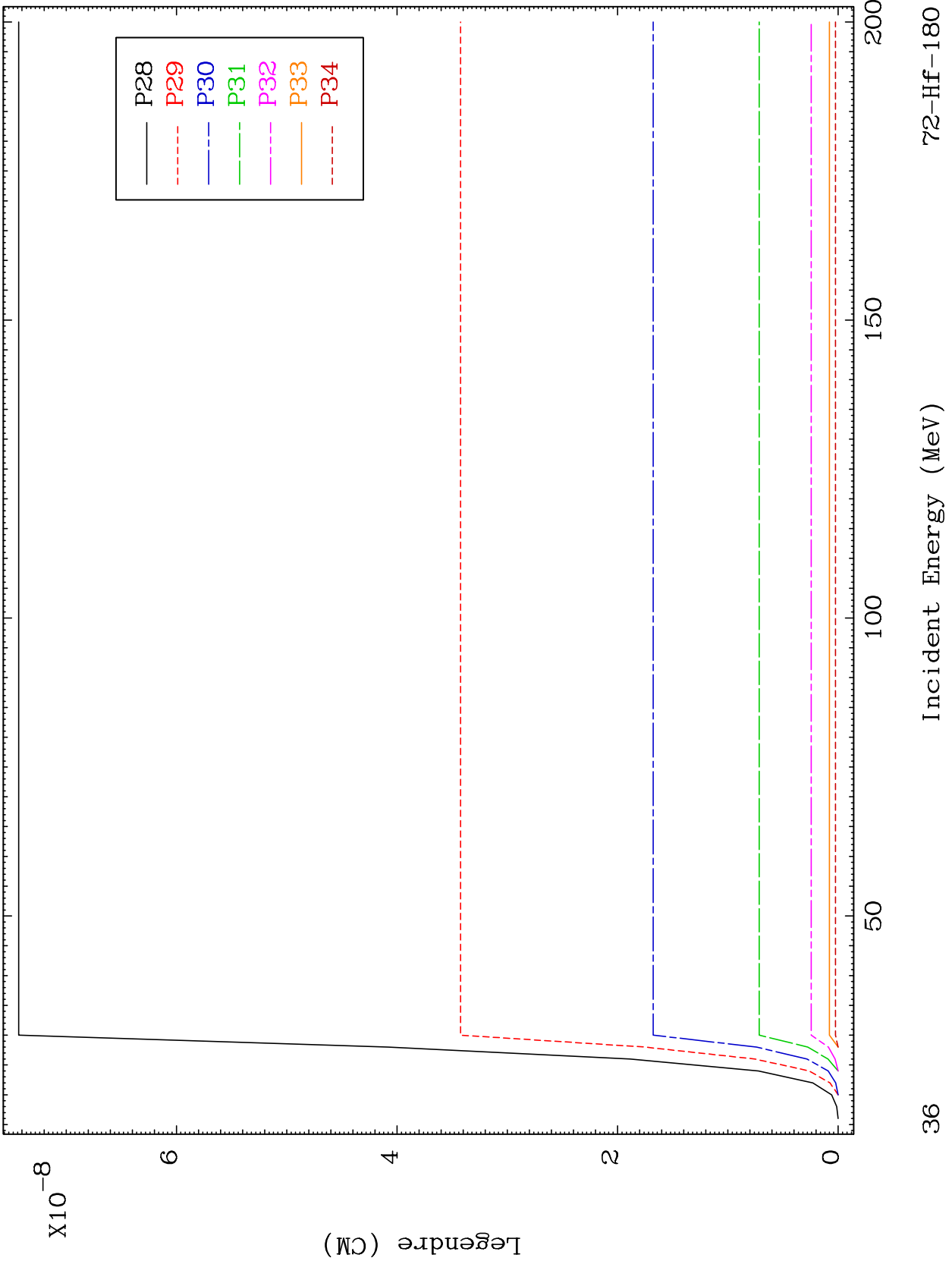
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MAT 7243

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

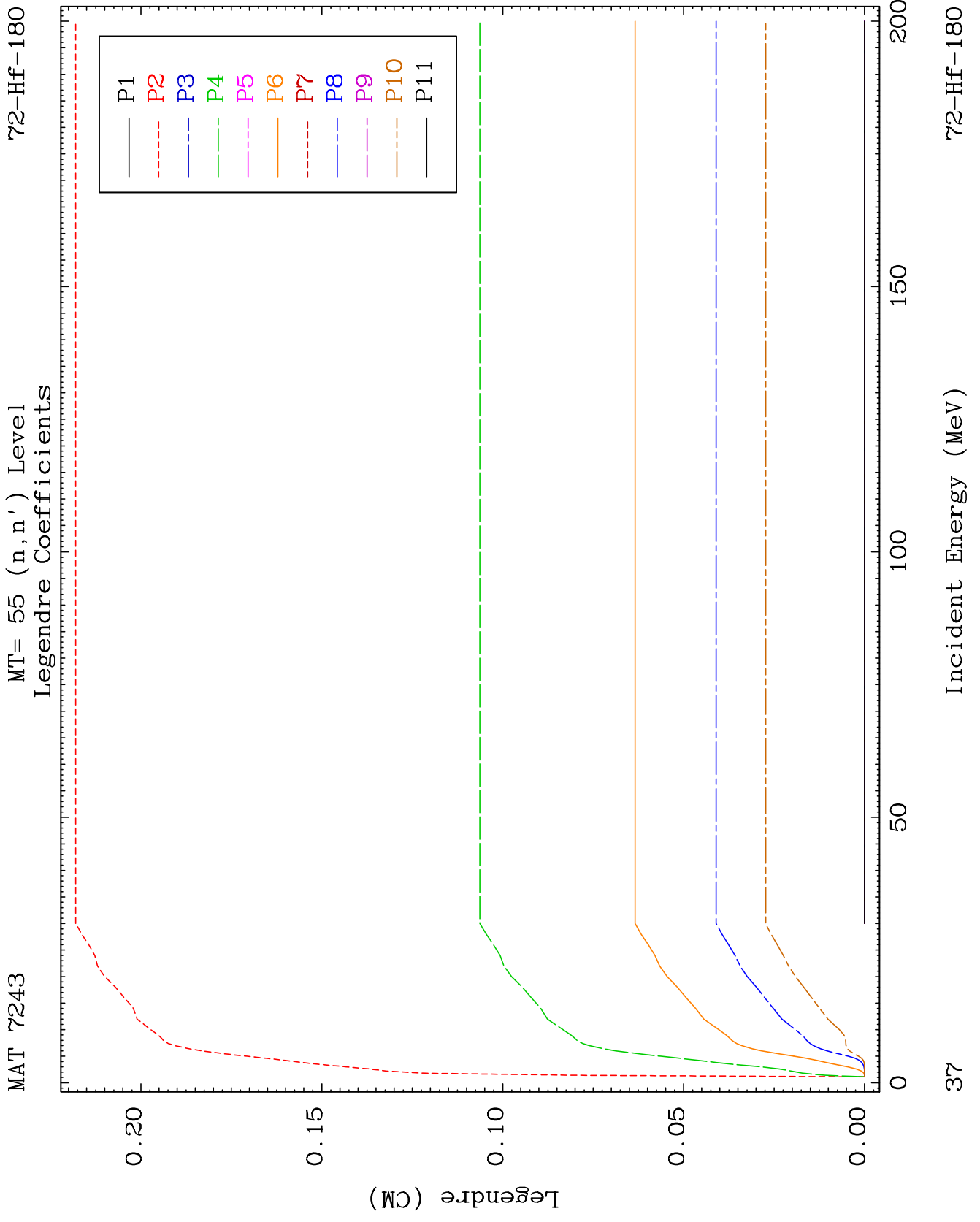
72-Hf-180



36

Incident Energy (MeV)

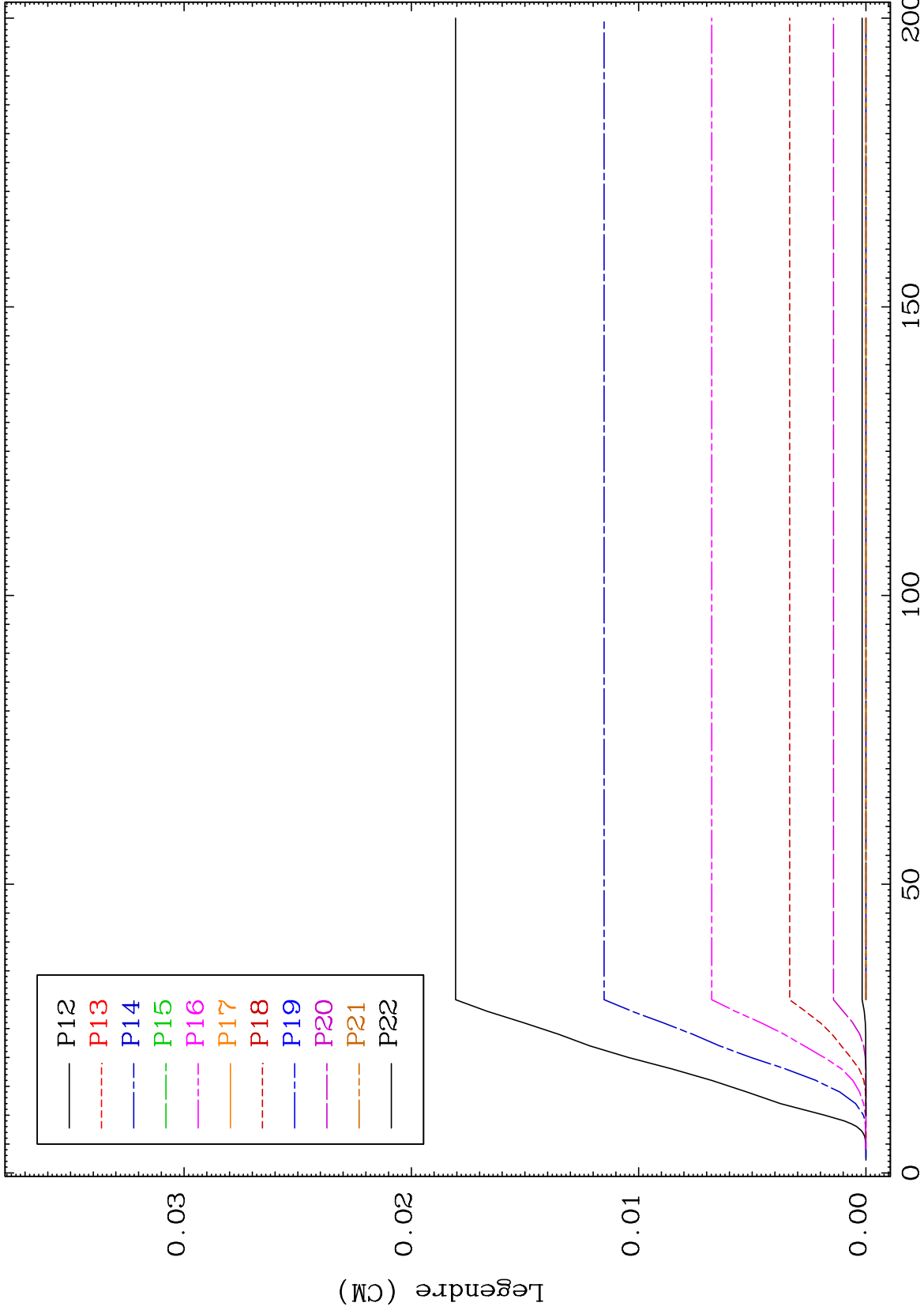
72-Hf-180



MAT 7243

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

72-Hf-180



38

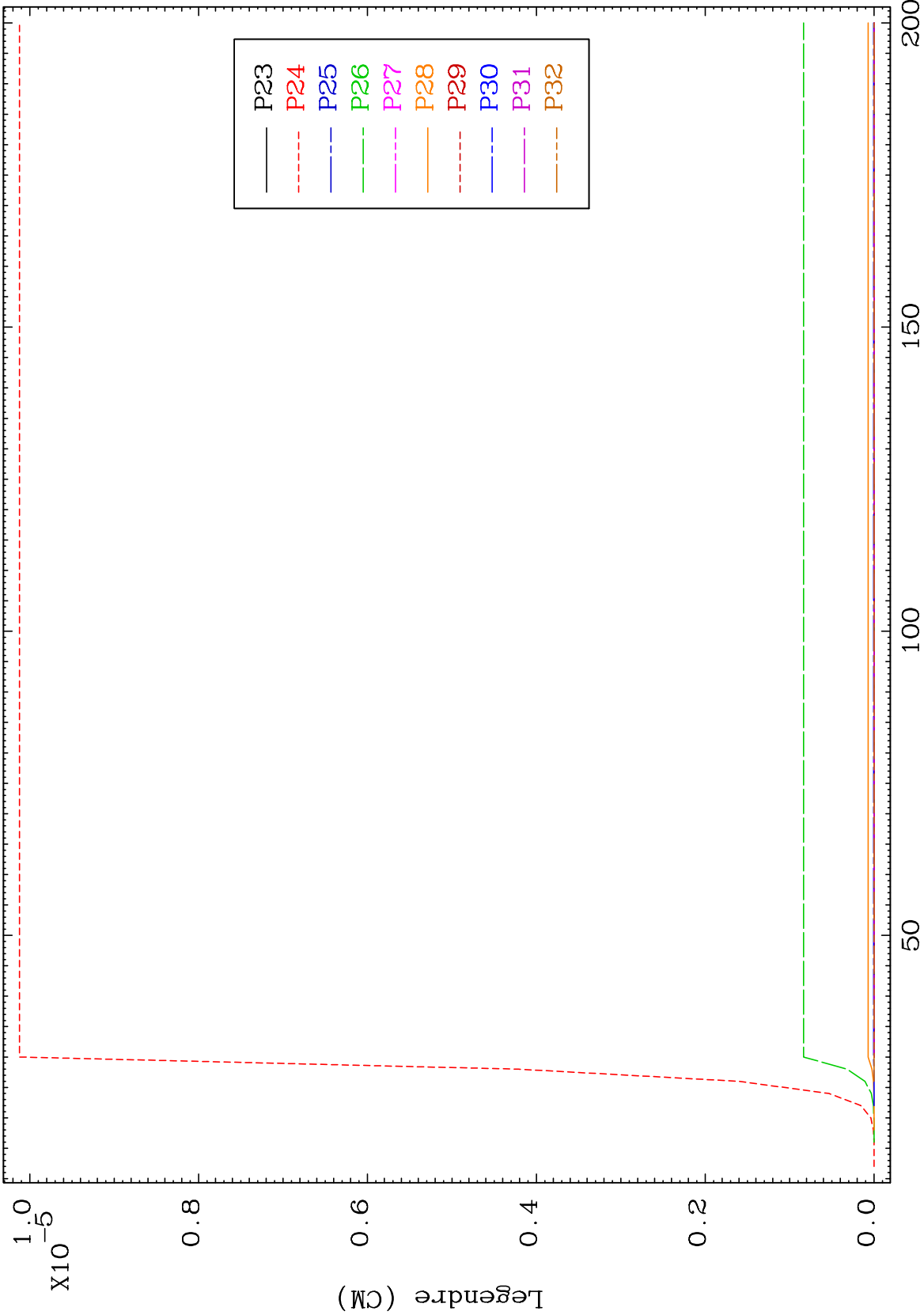
Incident Energy (MeV)

72-Hf-180

MAT 7243

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

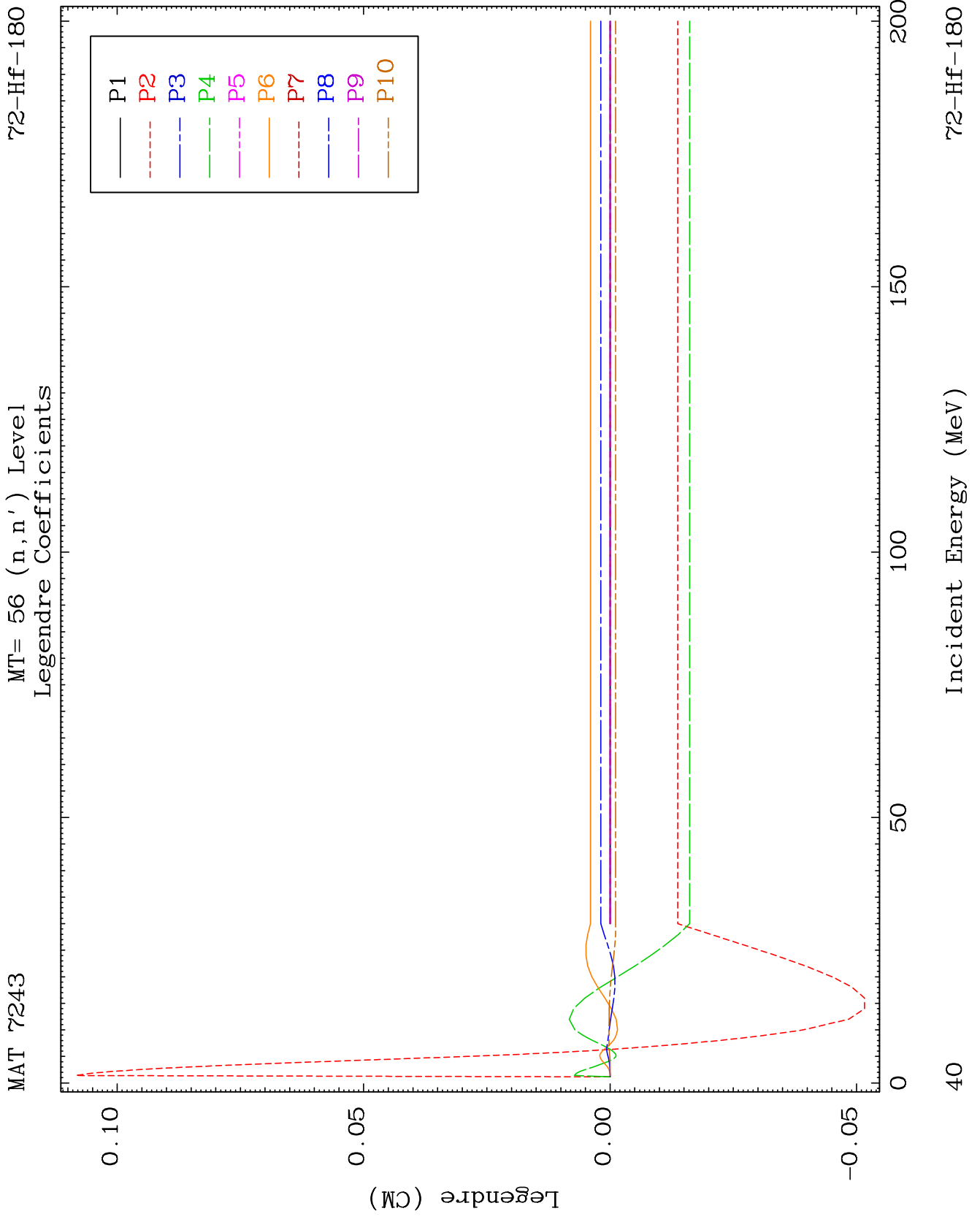
72-Hf-180



39

Incident Energy (MeV)

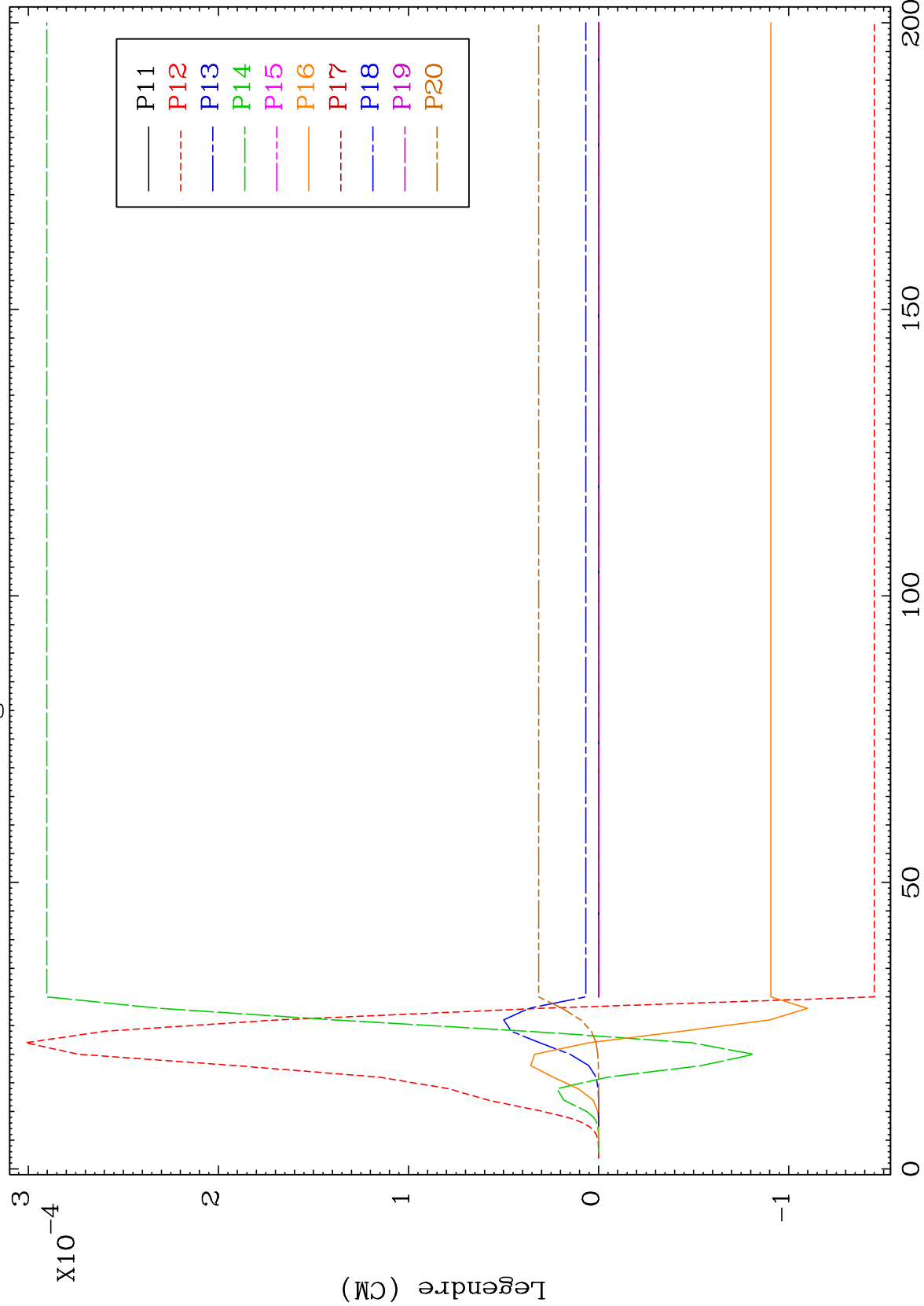
72-Hf-180



MAT 7243

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

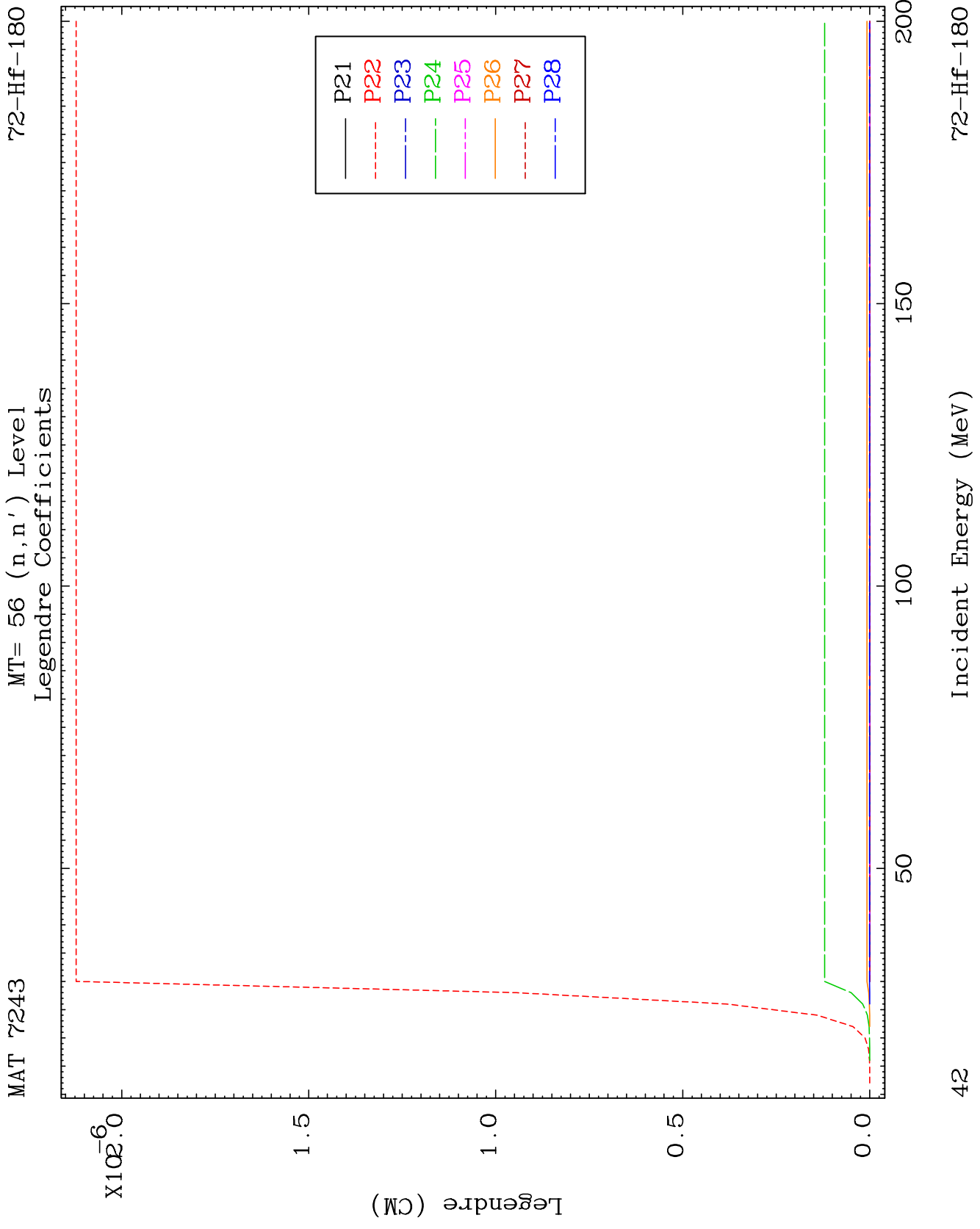
72-Hf-180



41

Incident Energy (MeV)

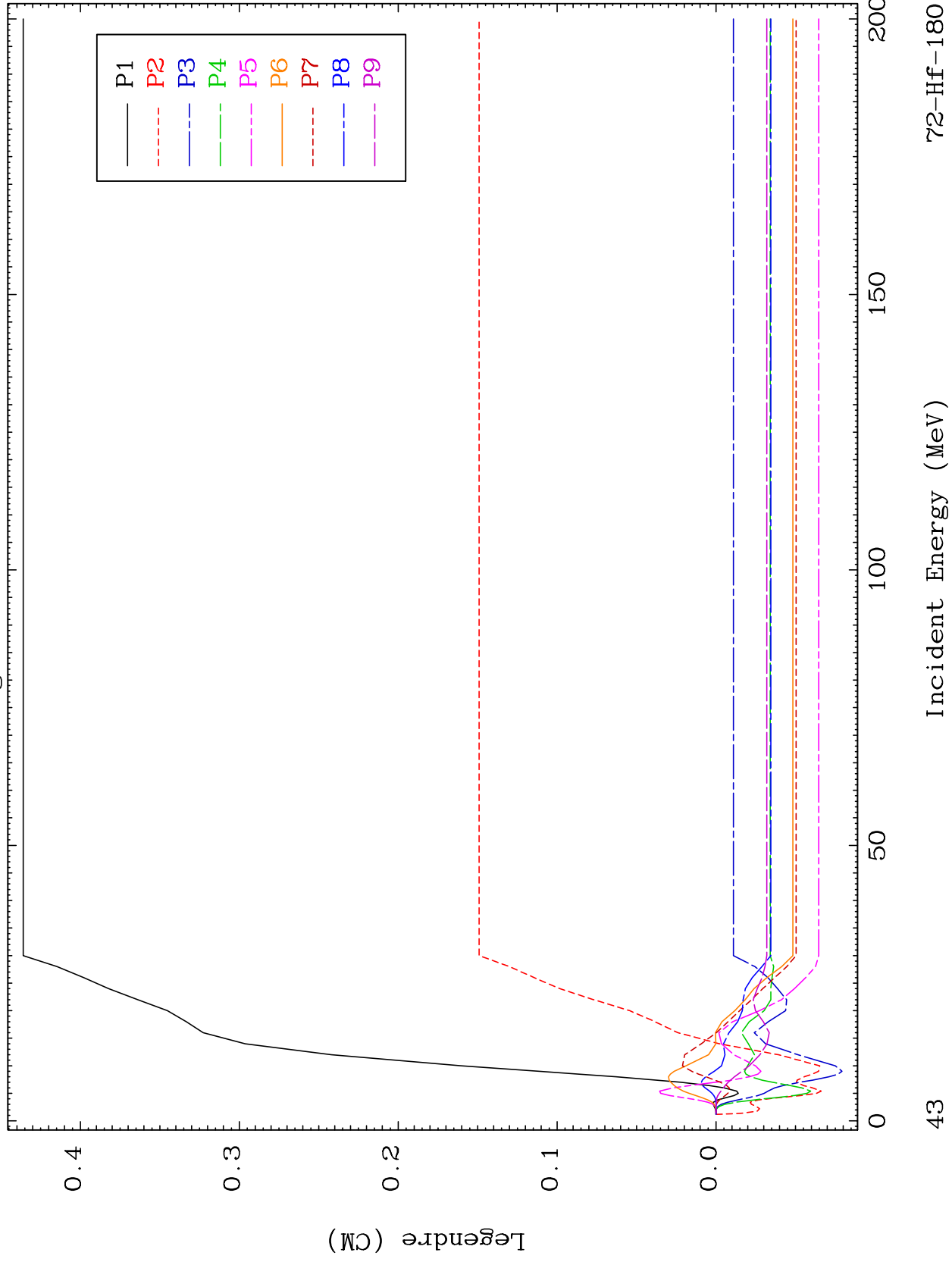
72-Hf-180



MAT 7243

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

72-Hf-180



72-Hf-180

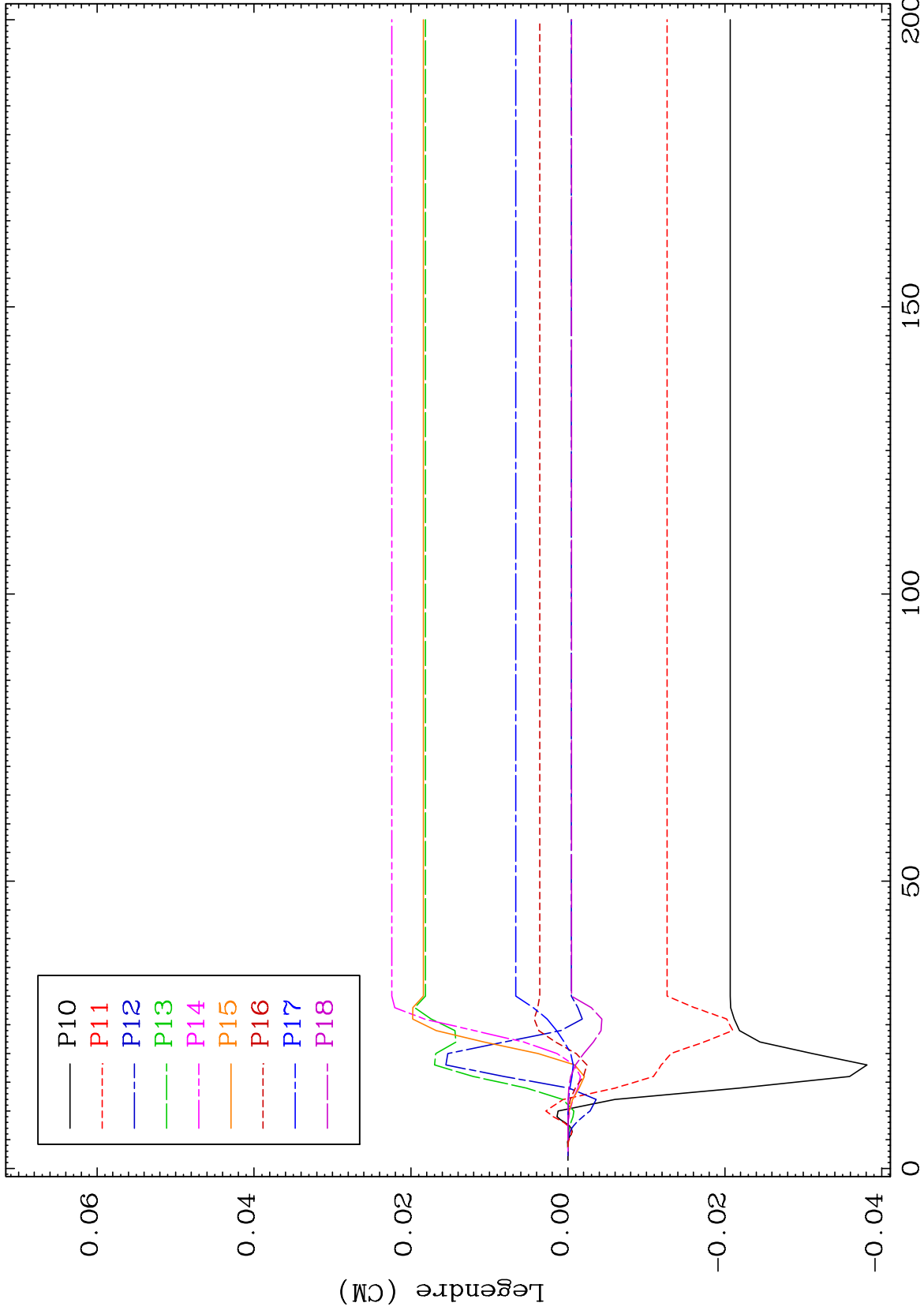
Incident Energy (MeV)

43

MAT 7243

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

72-Hf-180



44

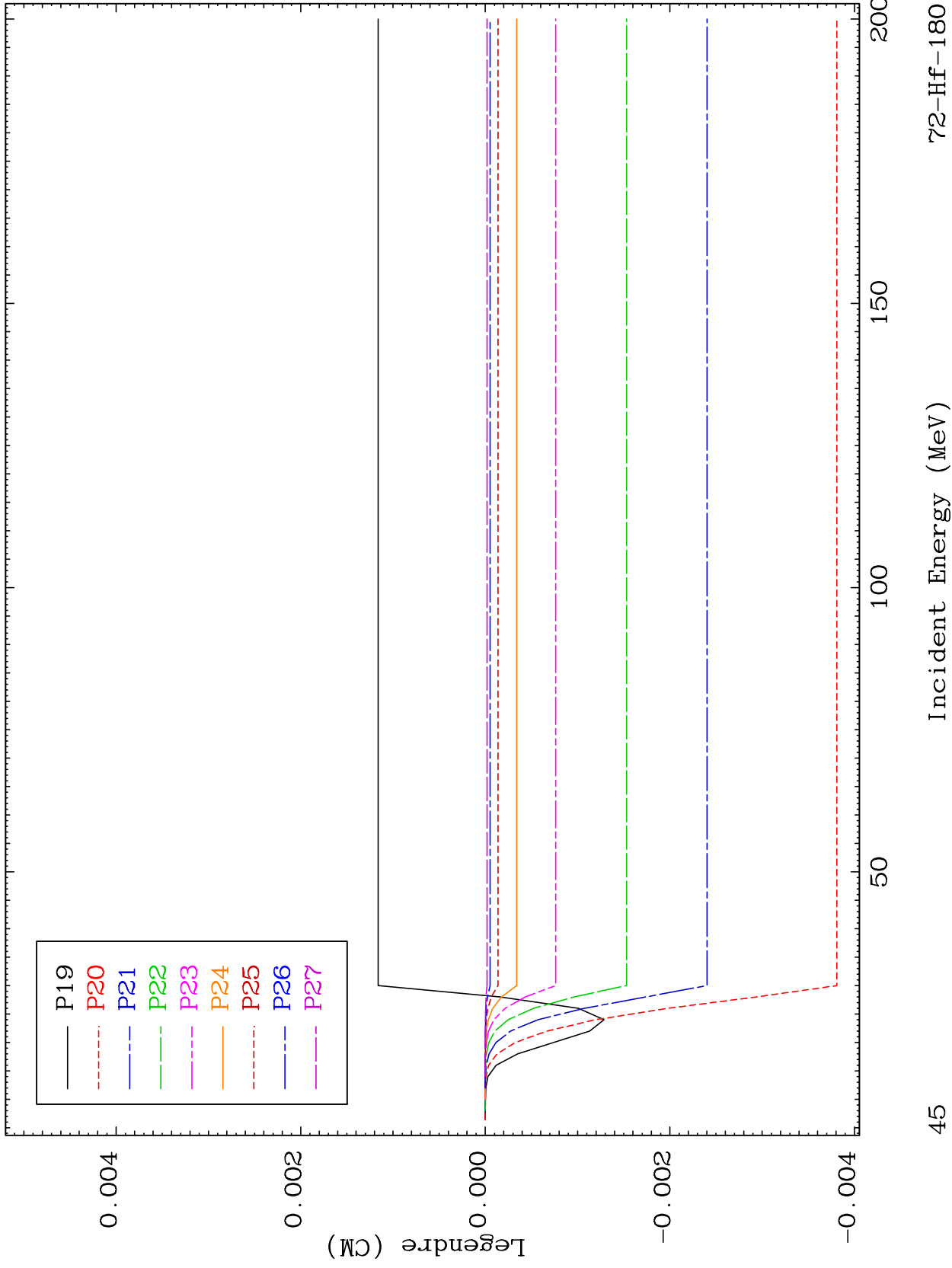
Incident Energy (MeV)

72-Hf-180

MAT 7243

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

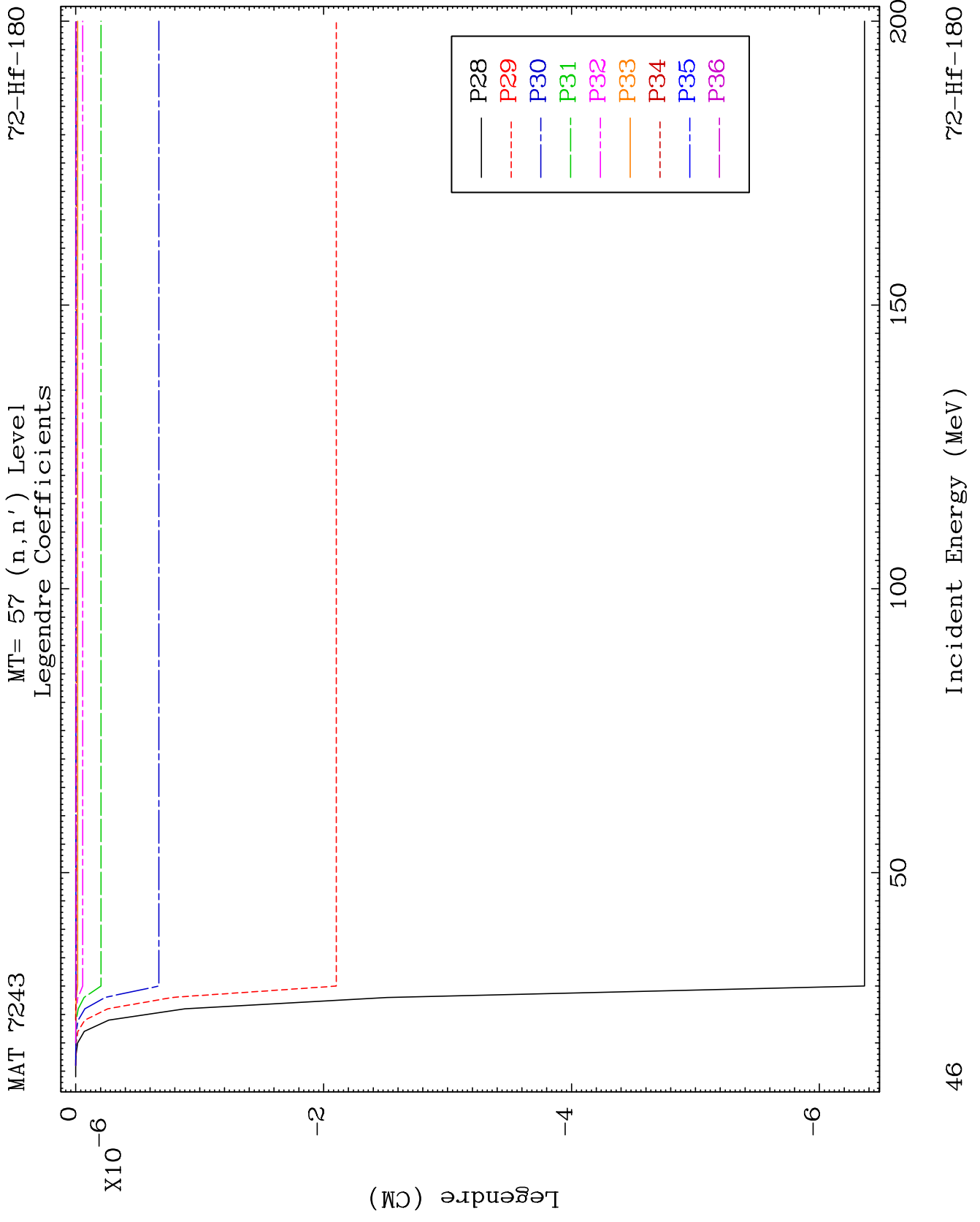
72-Hf-180



45

Incident Energy (MeV)

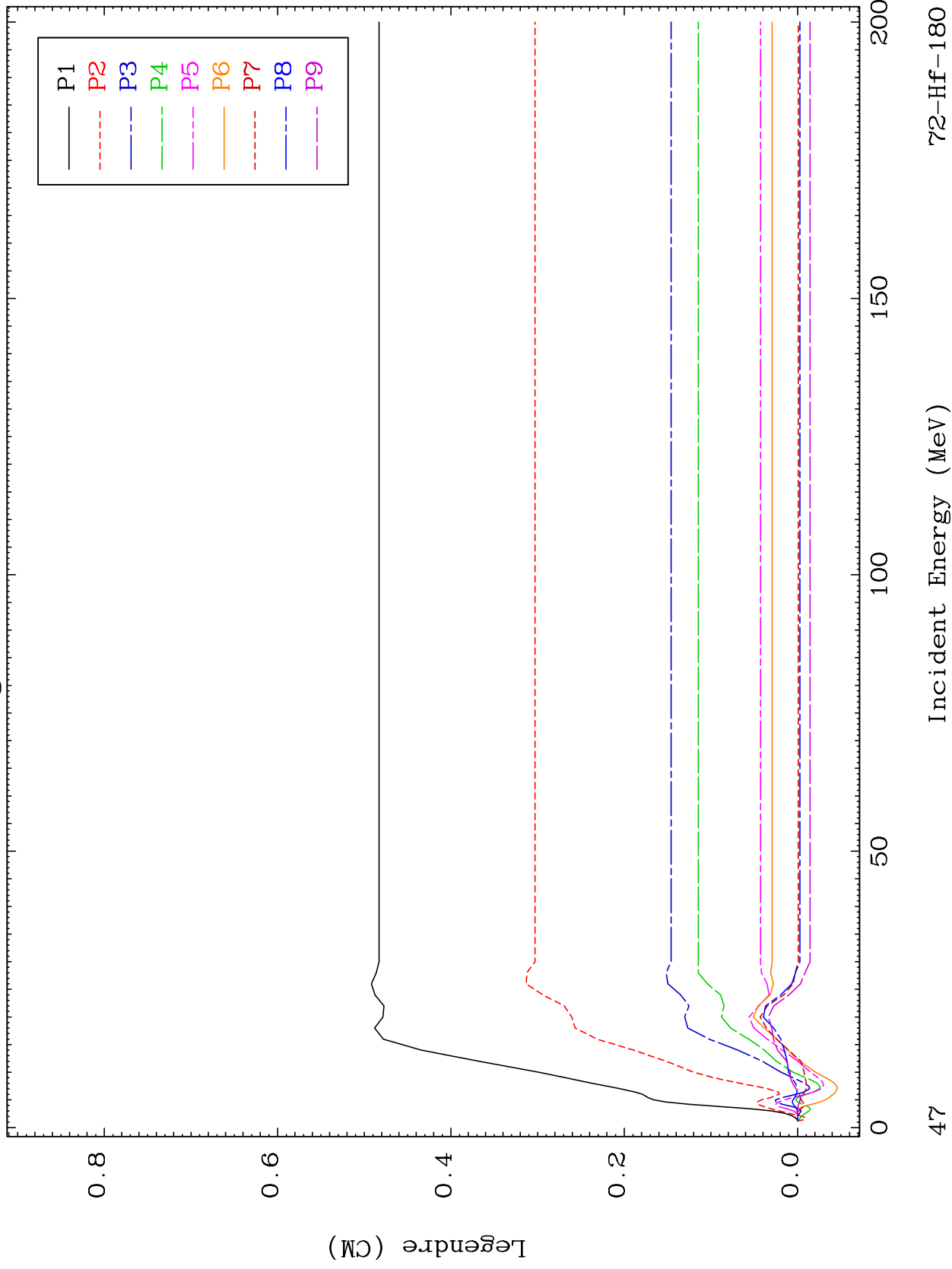
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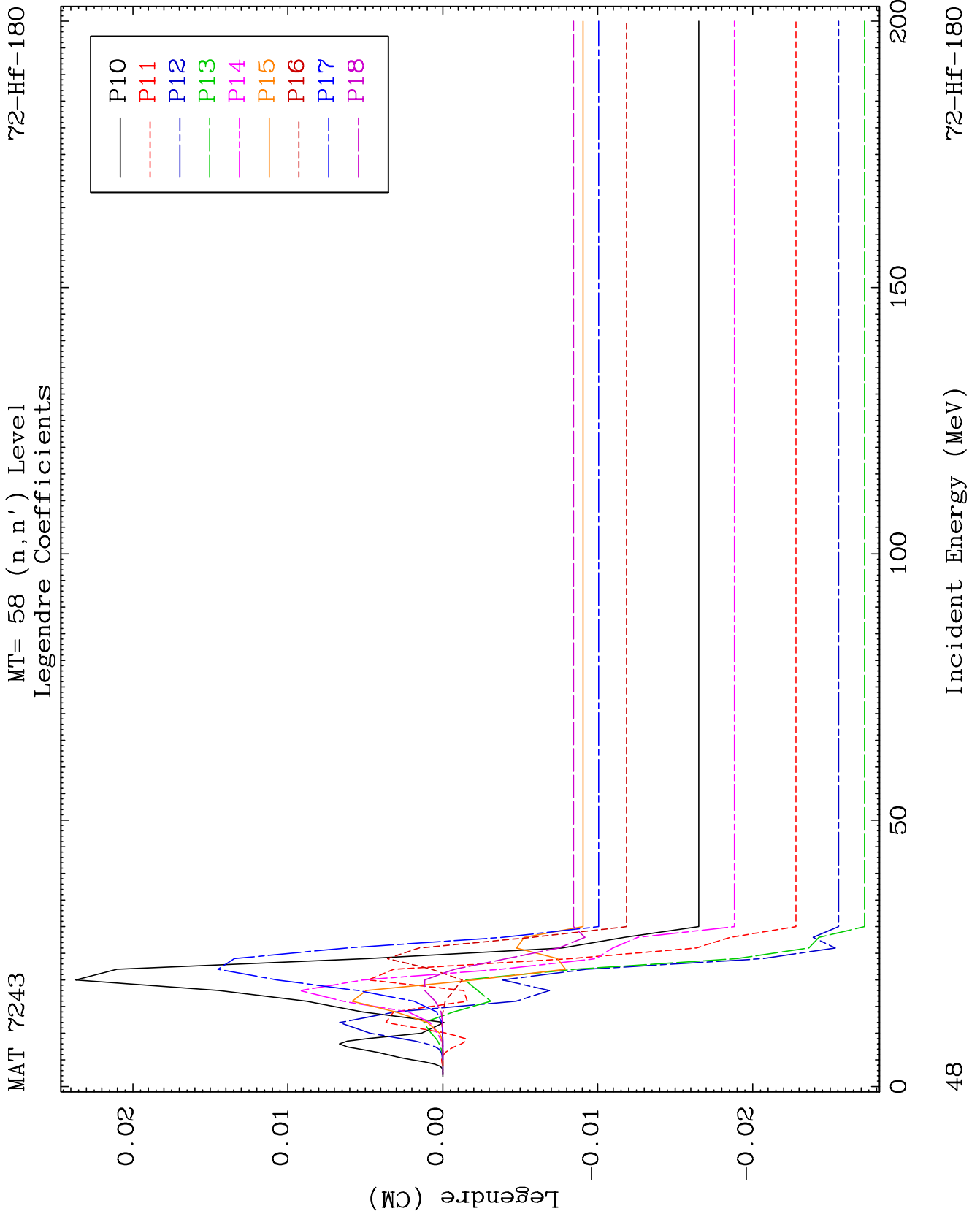


MAT 7243

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

72-Hf-180

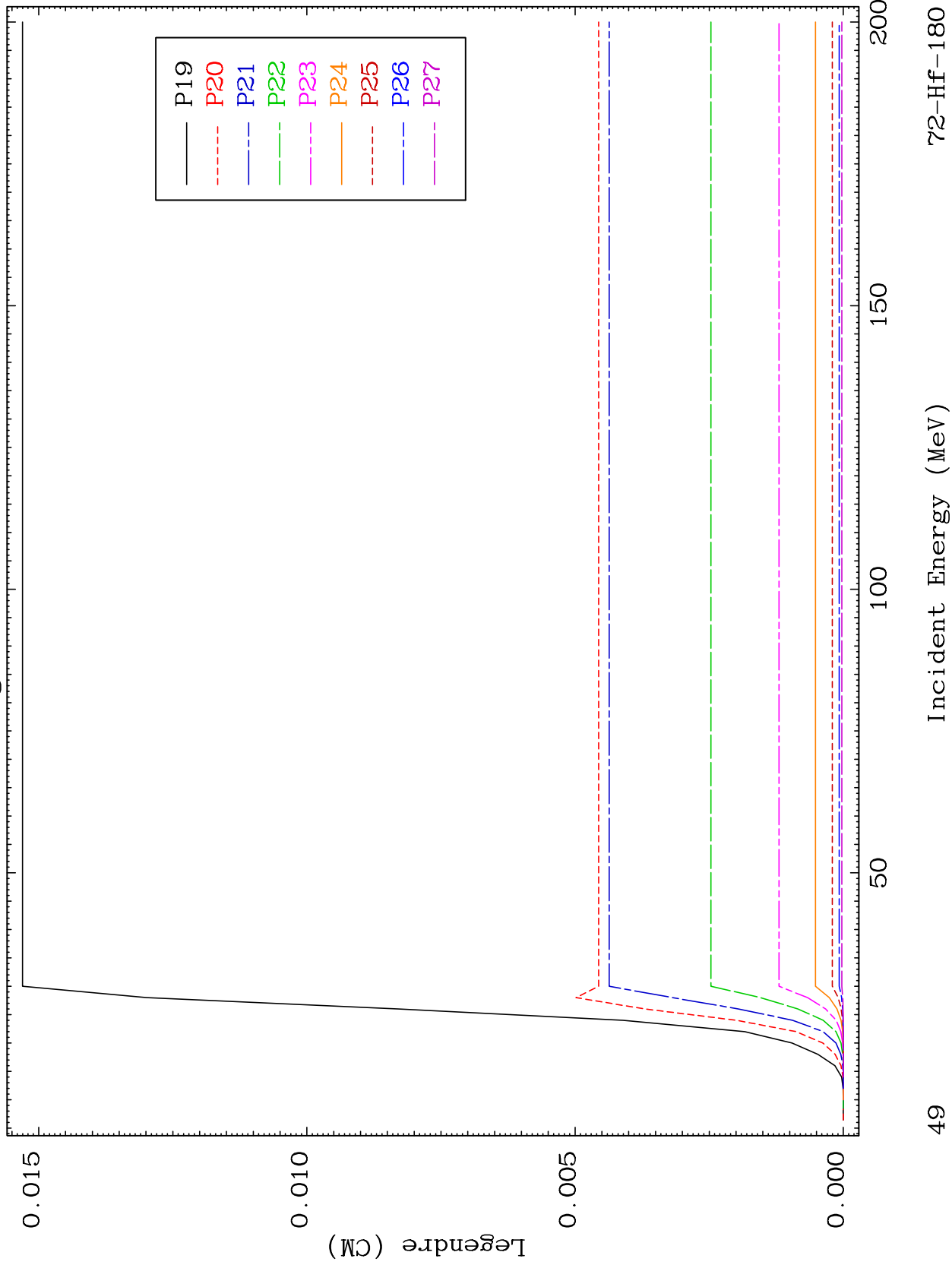




MAT 7243

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

72-Hf-180



49

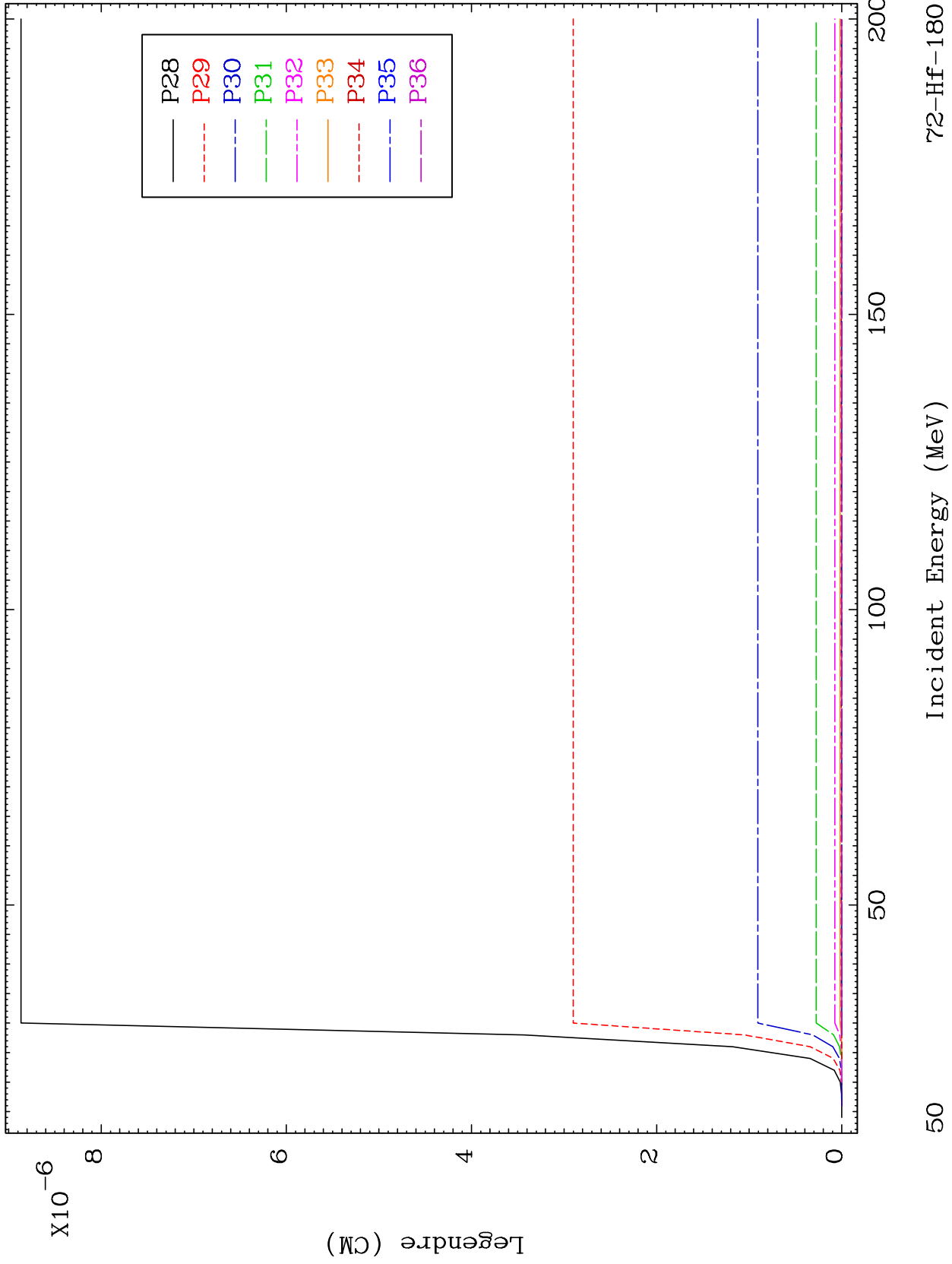
Incident Energy (MeV)

72-Hf-180

MAT 7243

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

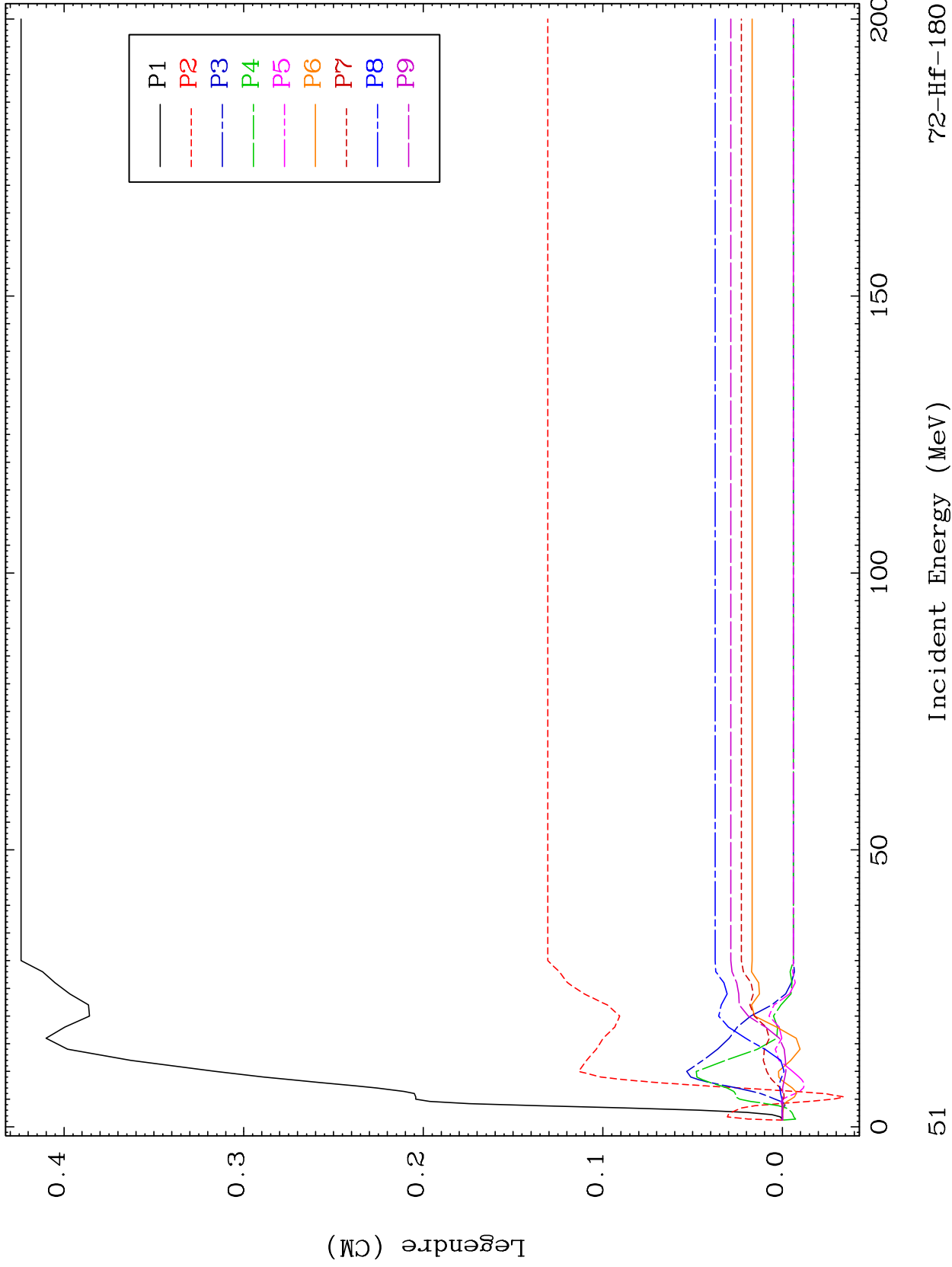
72-Hf-180



MAT 7243

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

72-Hf-180



51

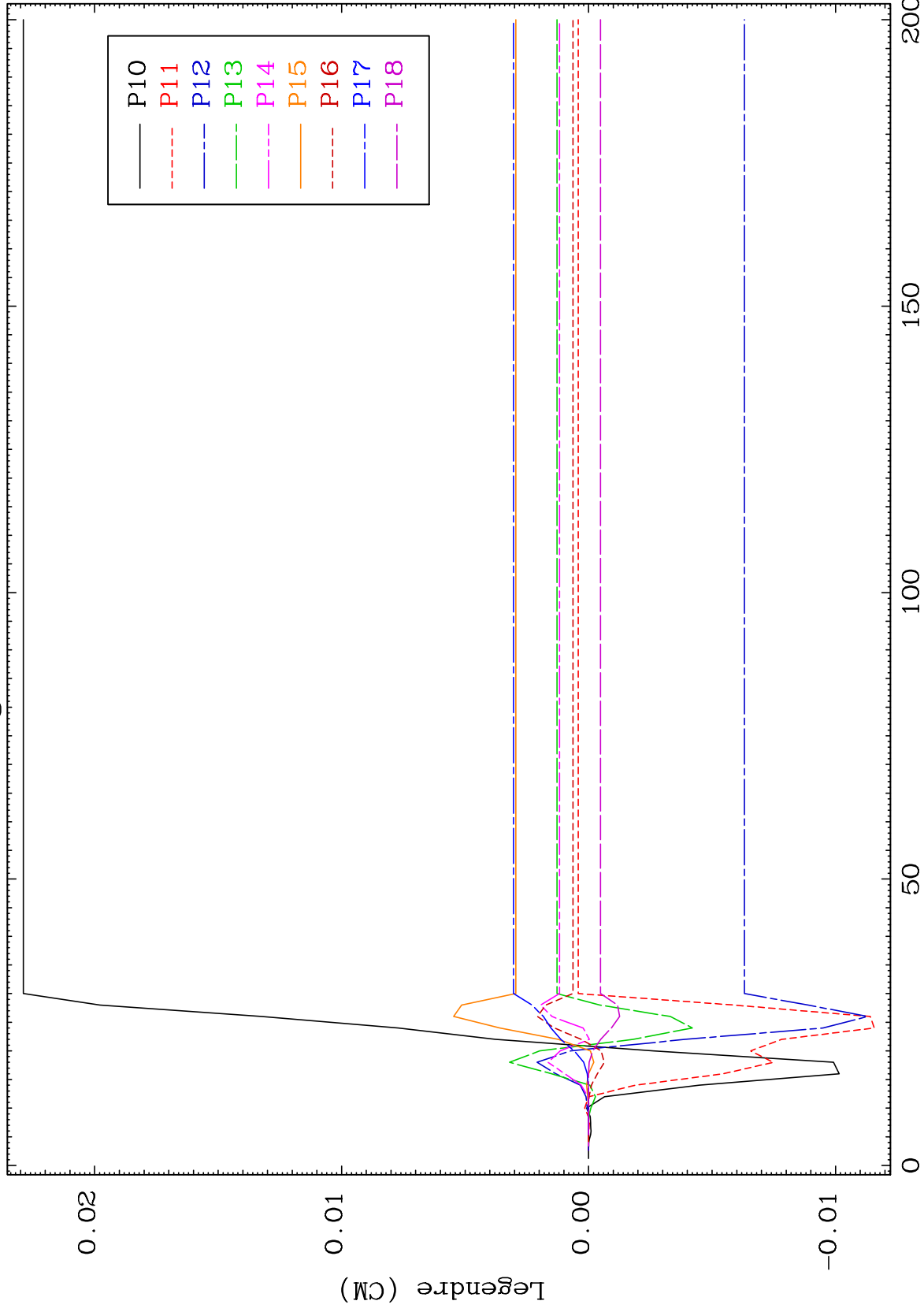
Incident Energy (MeV)

72-Hf-180

MAT 7243

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

72-Hf-180



52

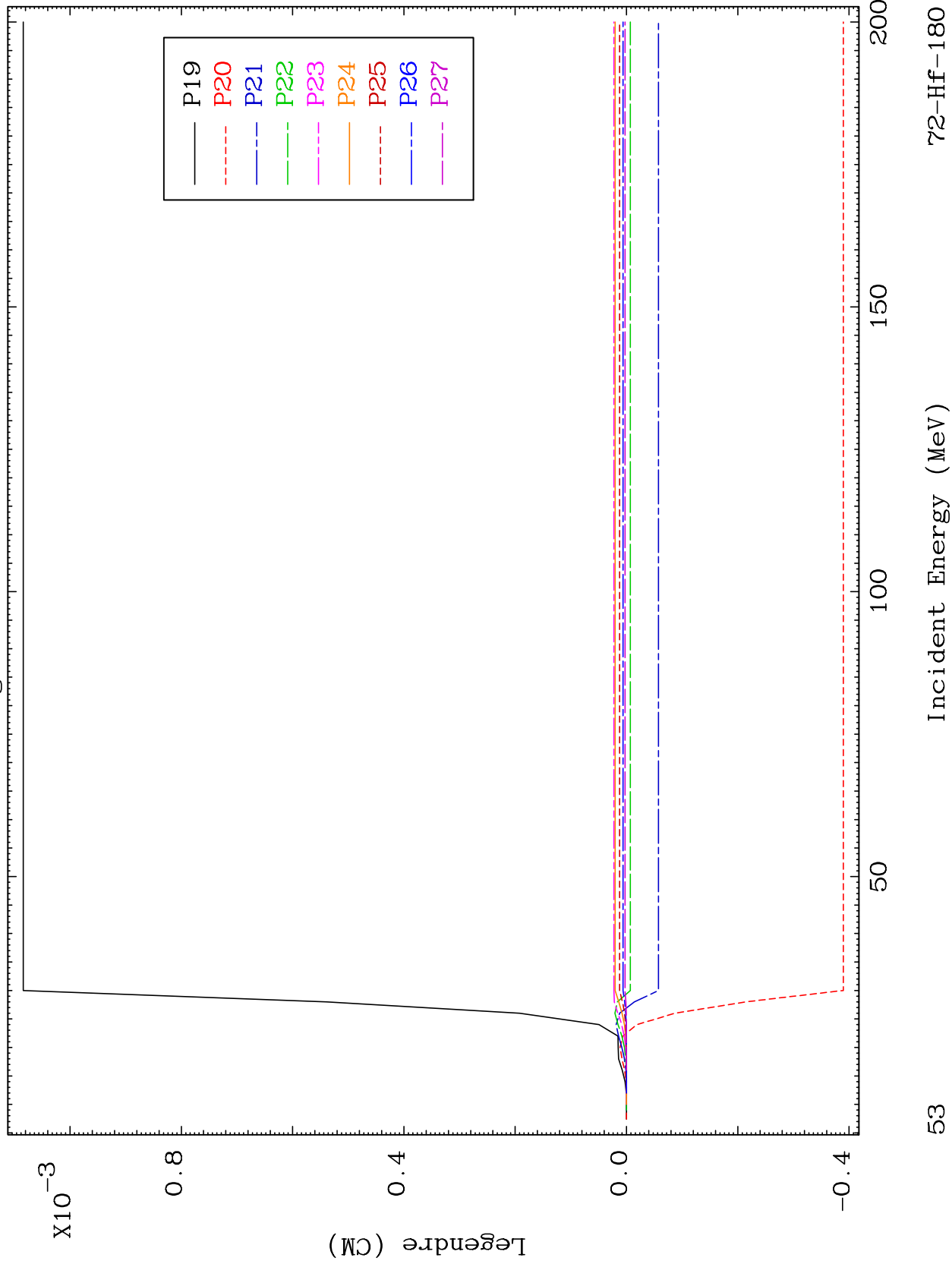
Incident Energy (MeV)

72-Hf-180

MAT 7243

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

72-Hf-180



53

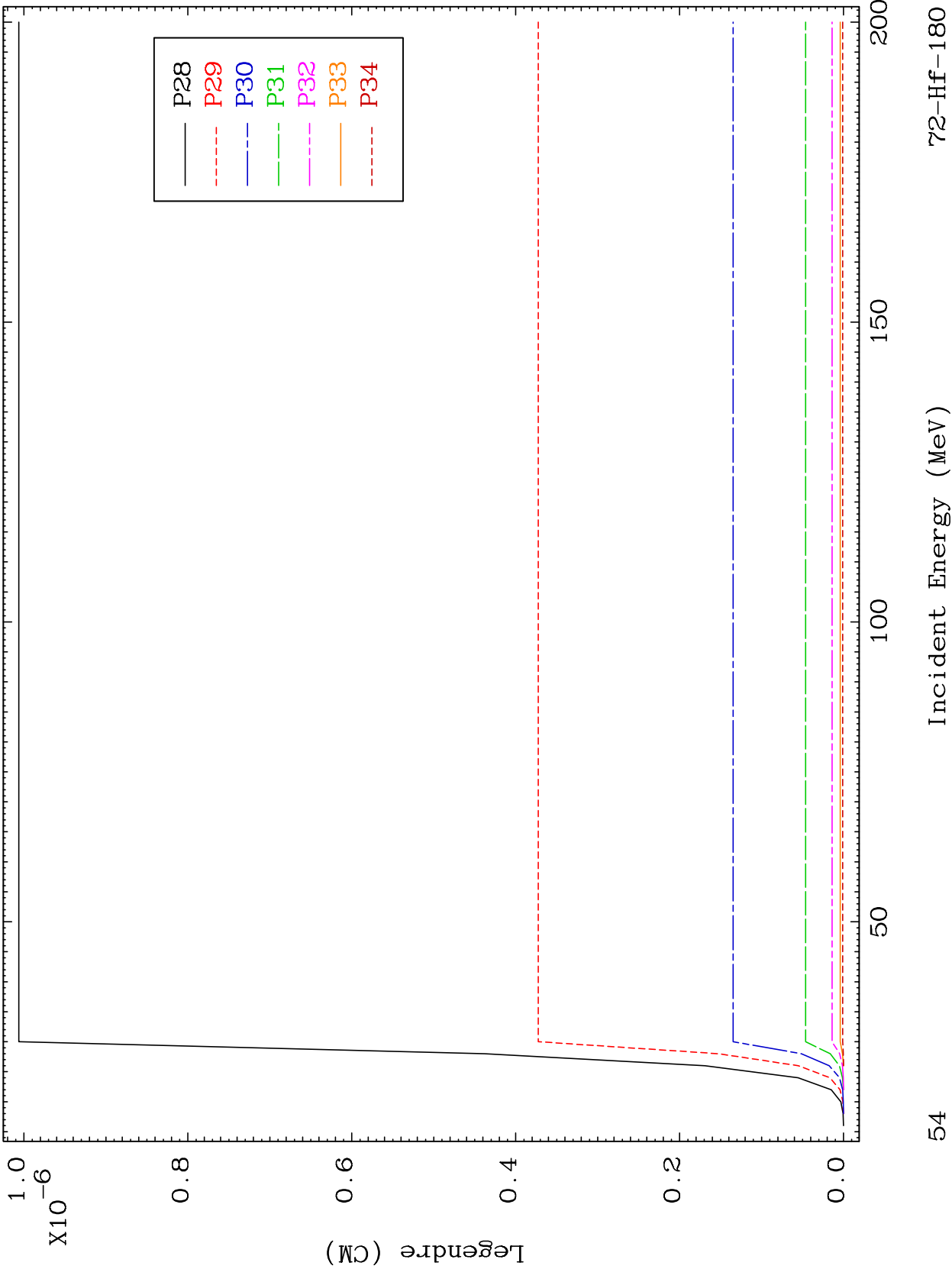
Incident Energy (MeV)

72-Hf-180

MAT 7243

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

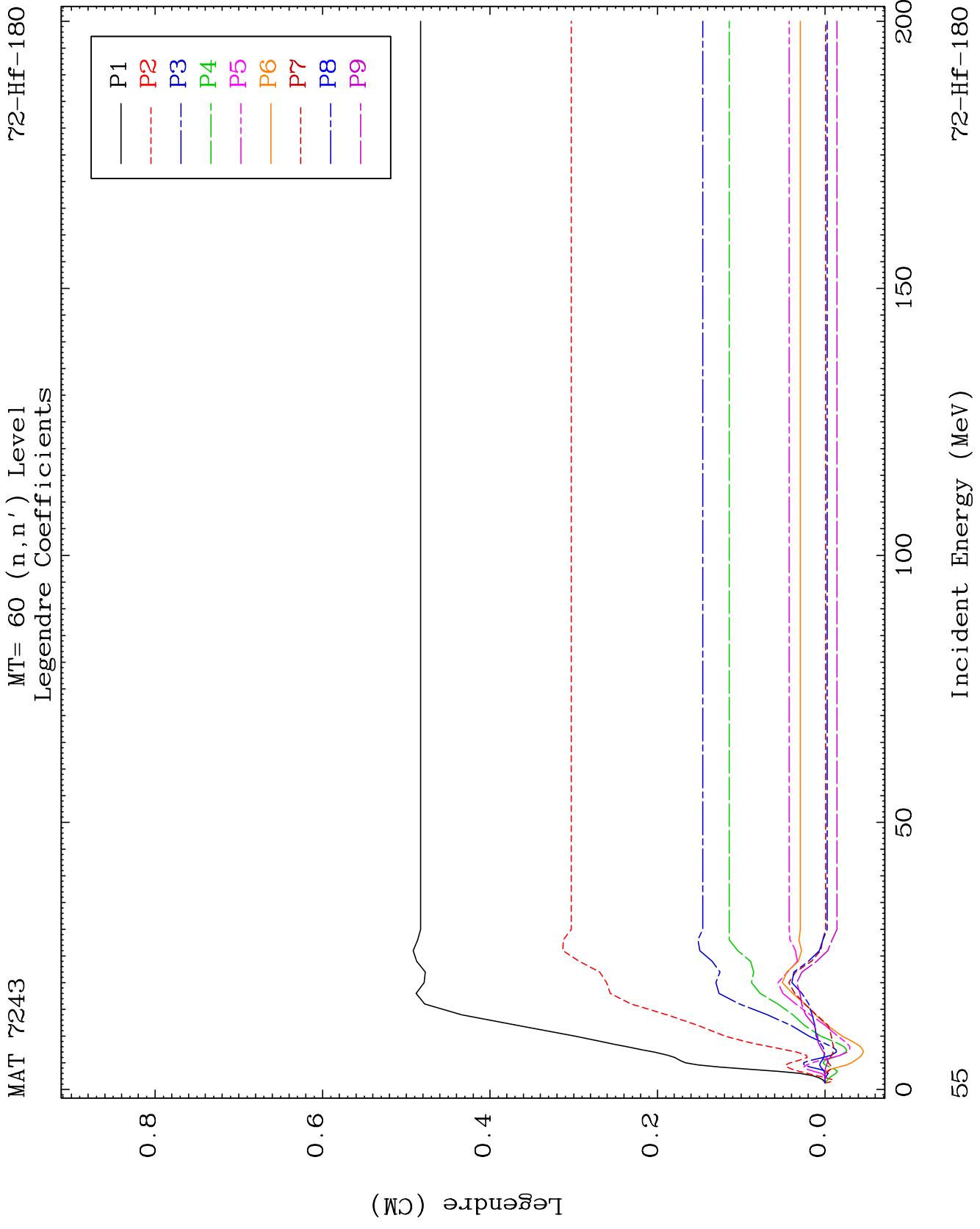
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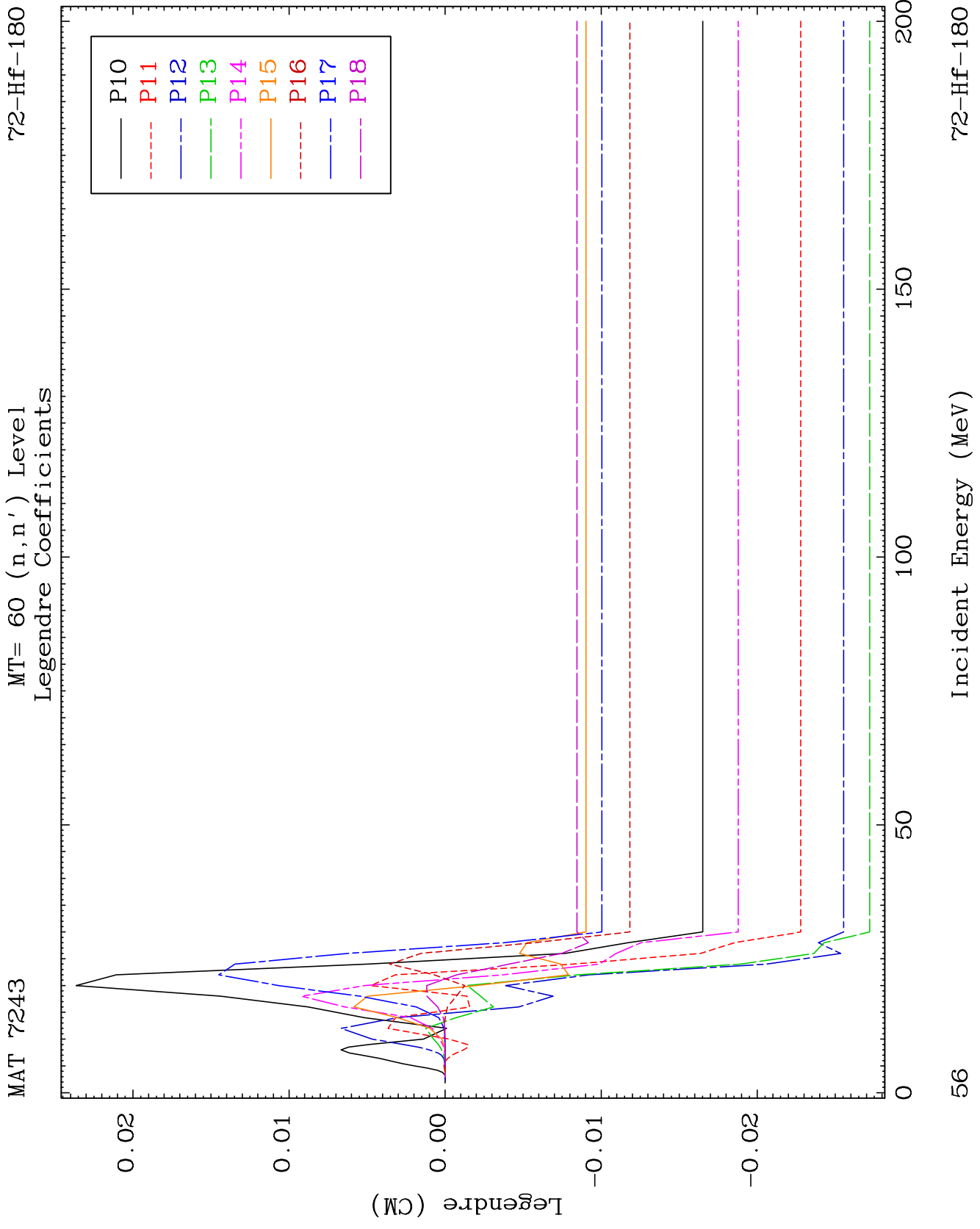


54

Incident Energy (MeV)

72-Hf-180

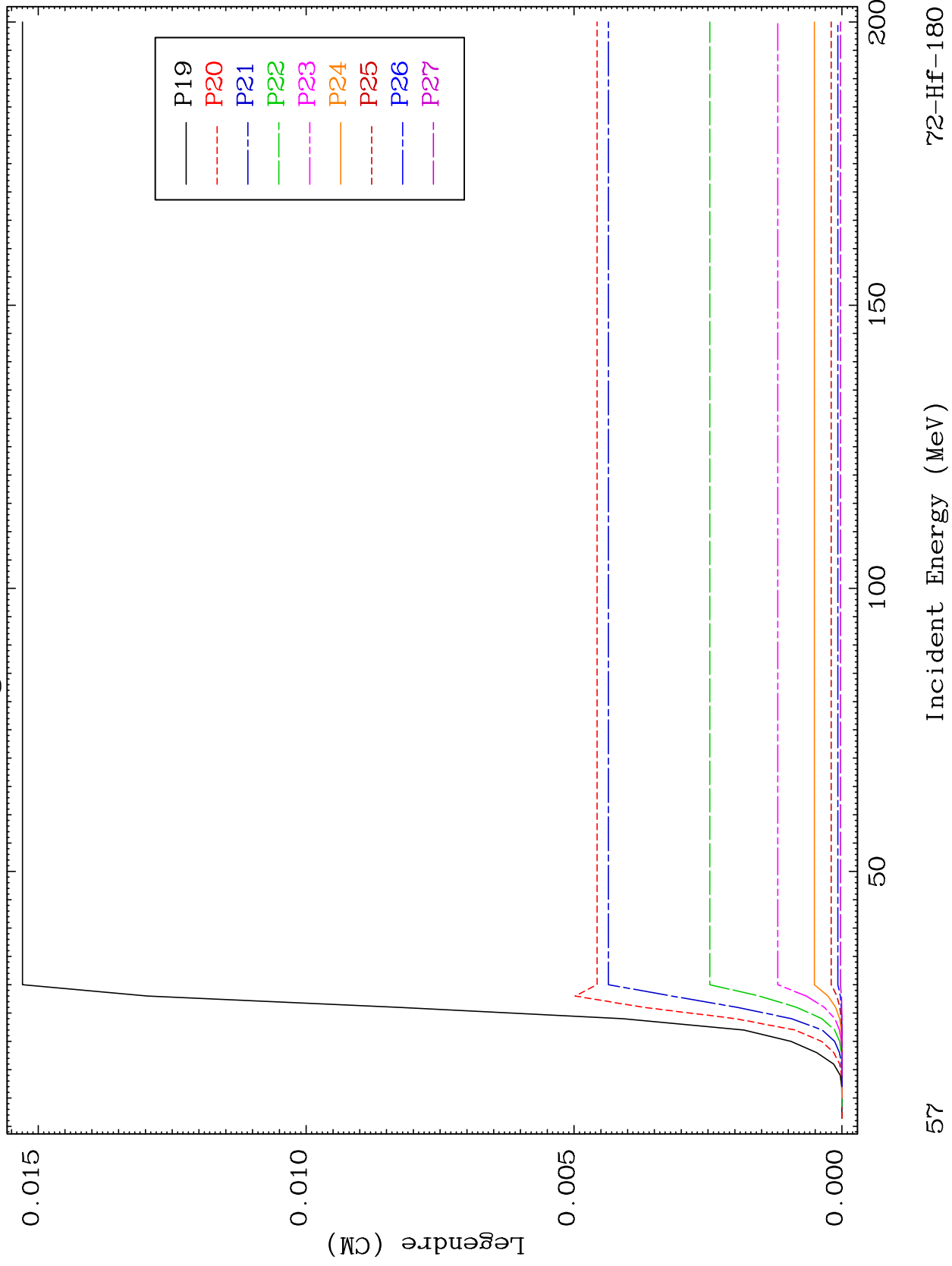




MAT 7243

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

72-Hf-180



57

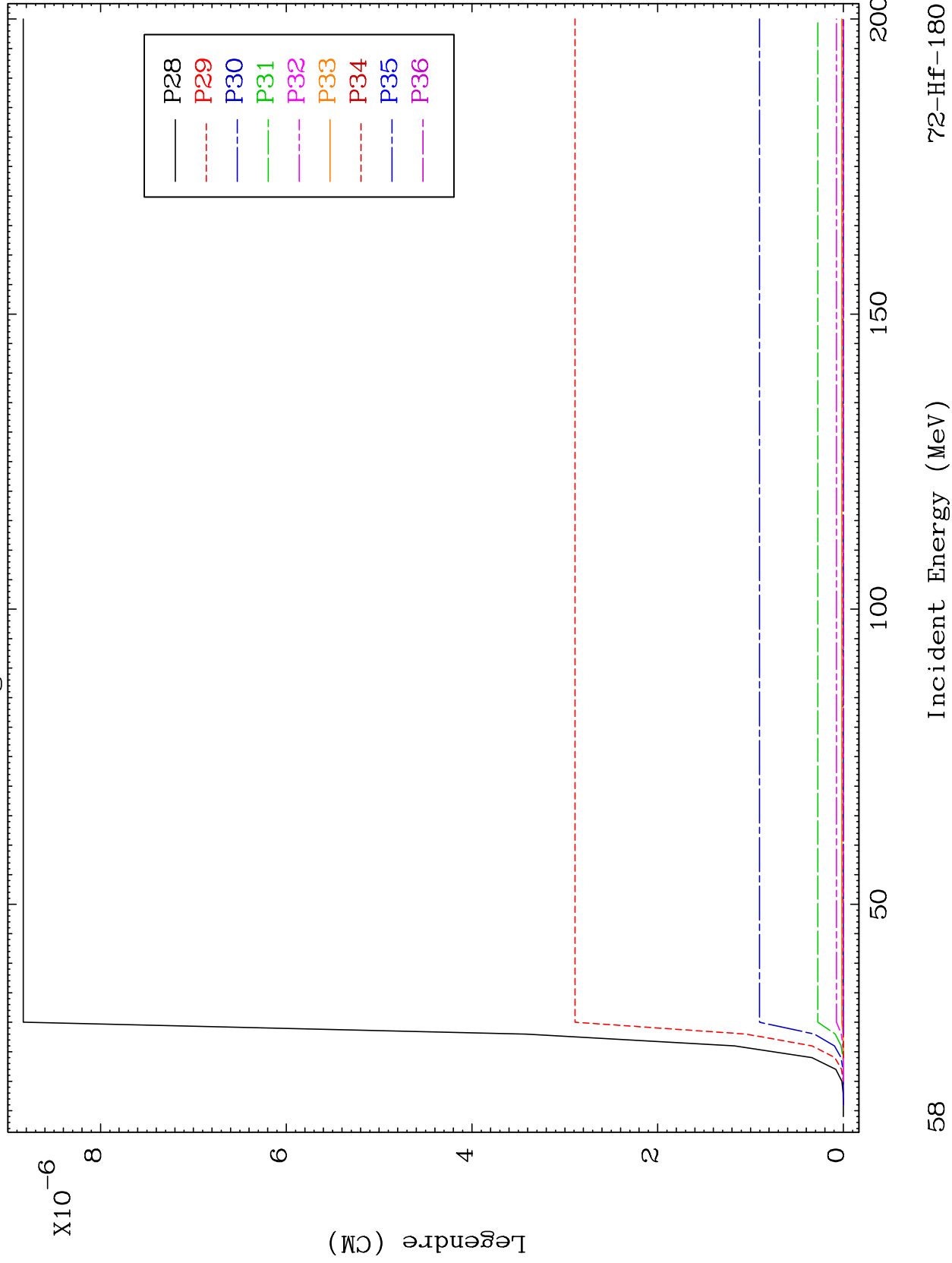
Incident Energy (MeV)

72-Hf-180

MAT 7243

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

72-Hf-180



58

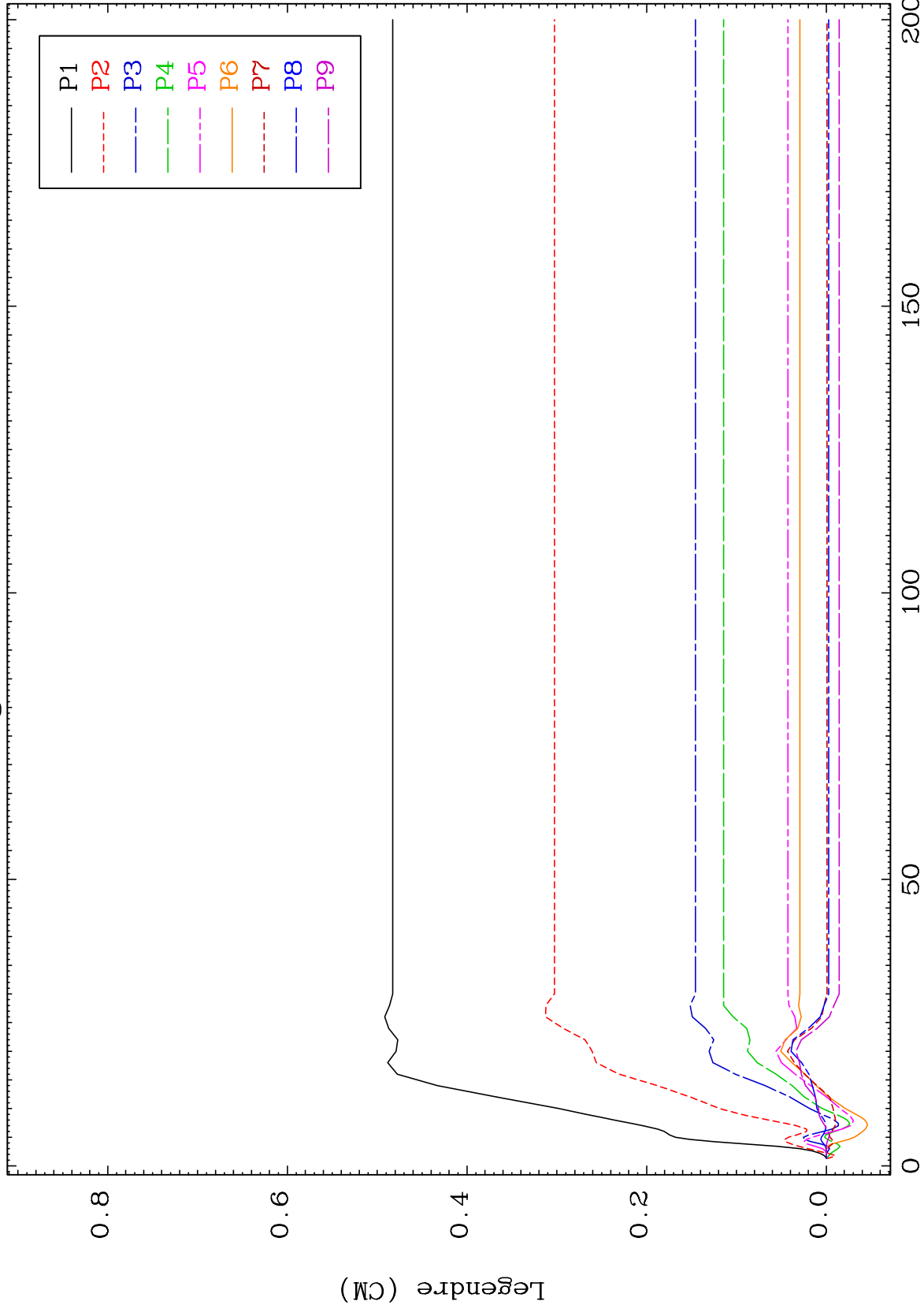
Incident Energy (MeV)

72-Hf-180

MAT 7243

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

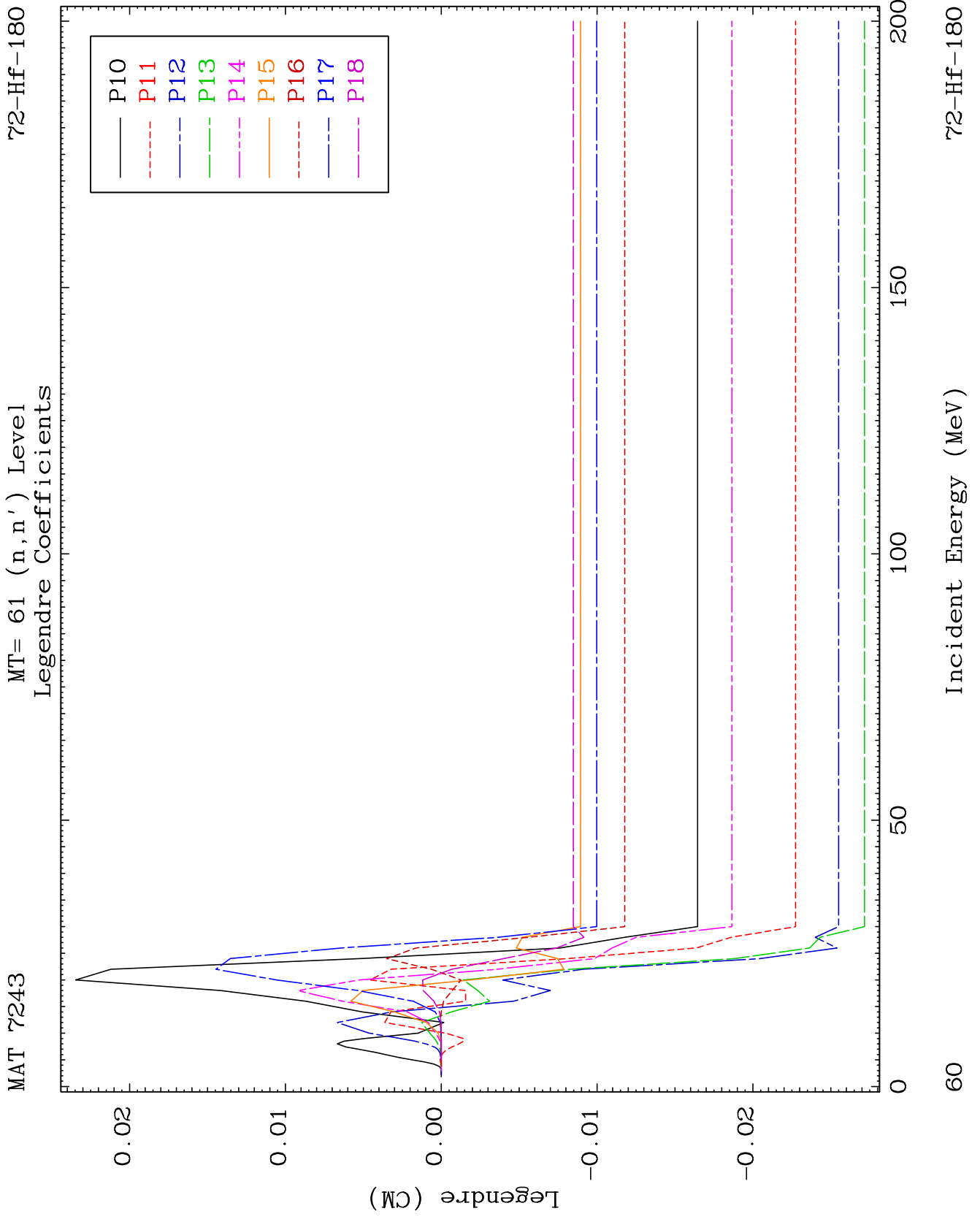
72-Hf-180



72-Hf-180

Incident Energy (MeV)

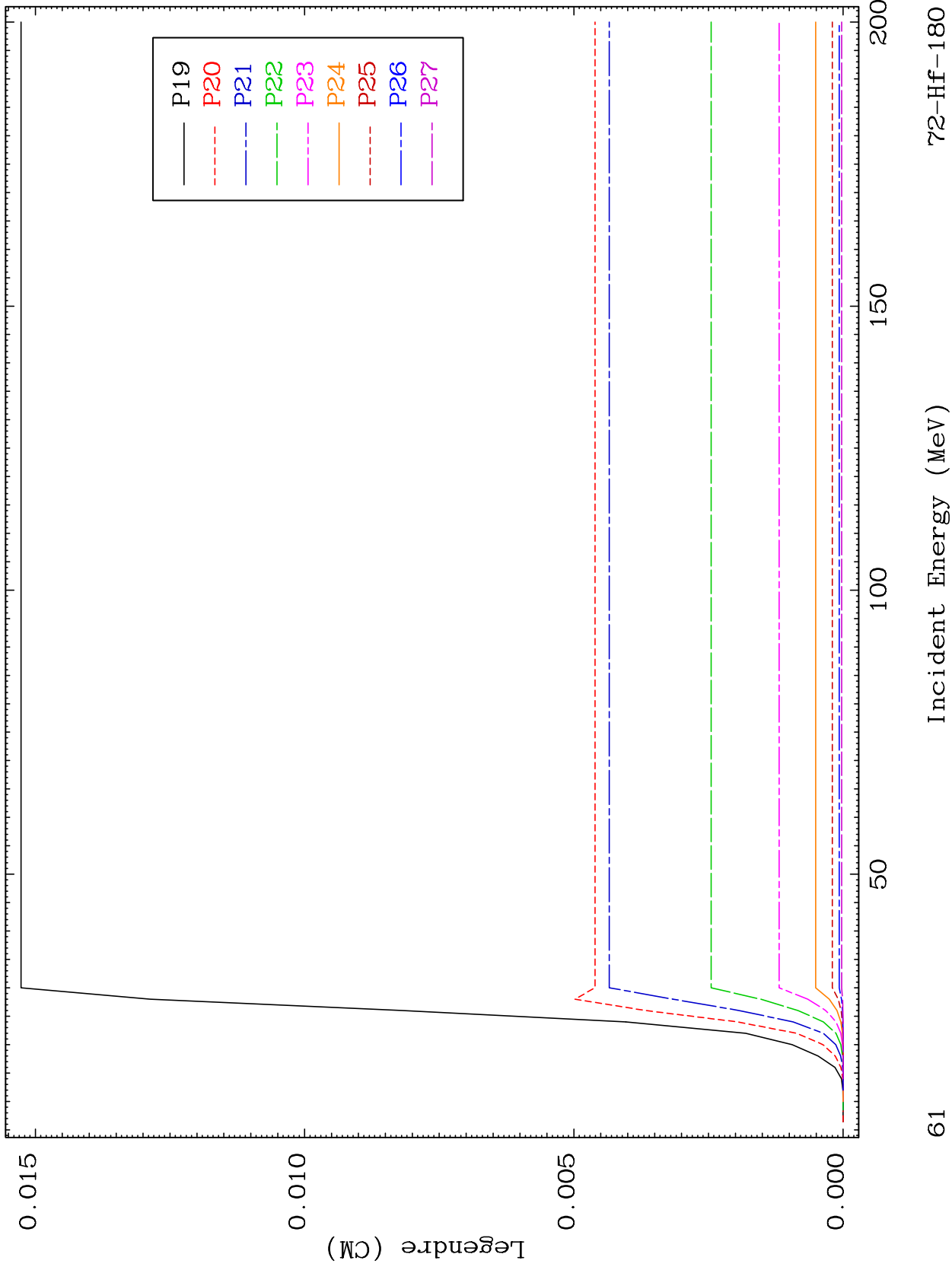
59



MAT 7243

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

72-Hf-180



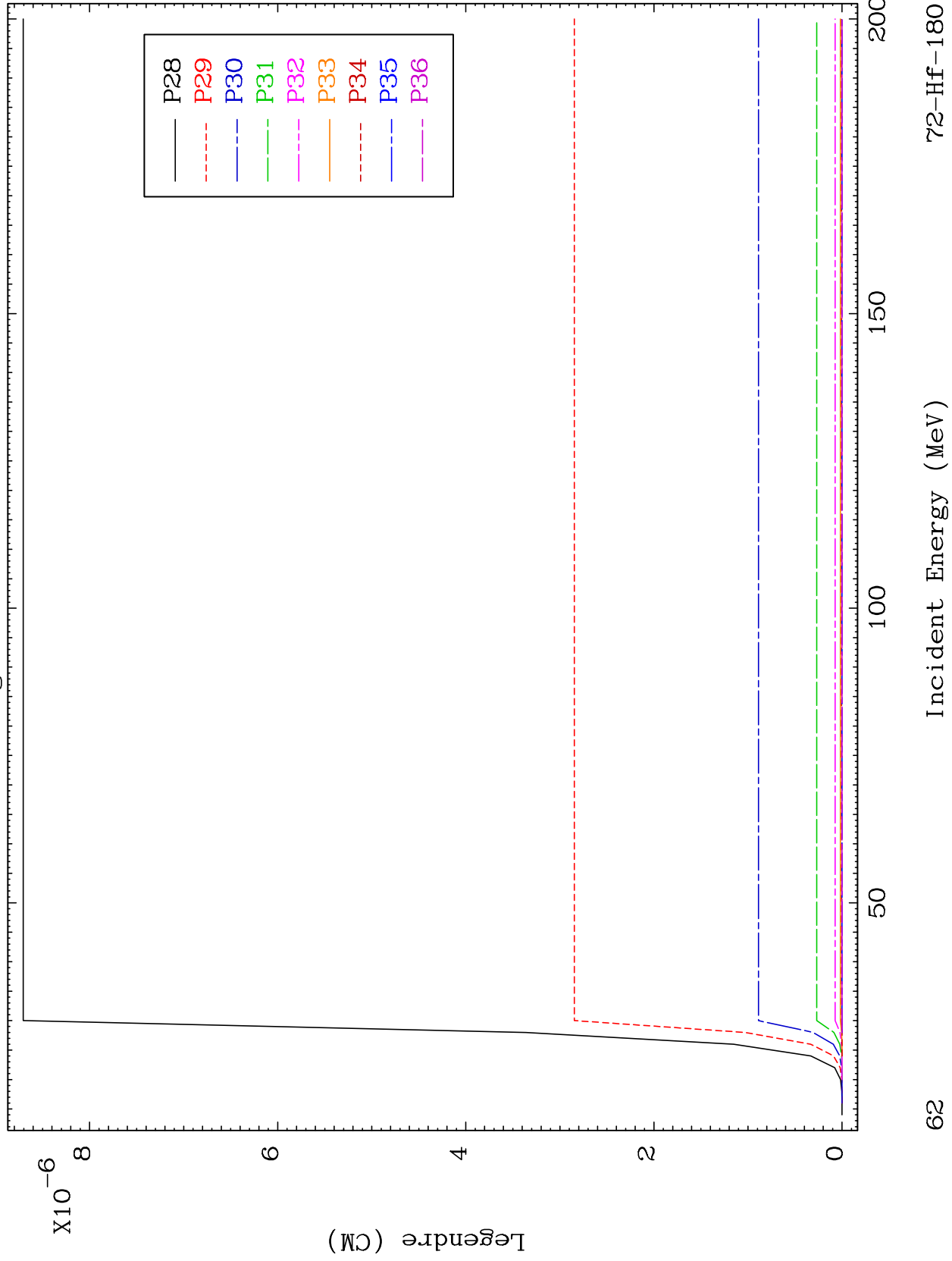
61

72-Hf-180

MAT 7243

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

72-Hf-180



62

Incident Energy (MeV)

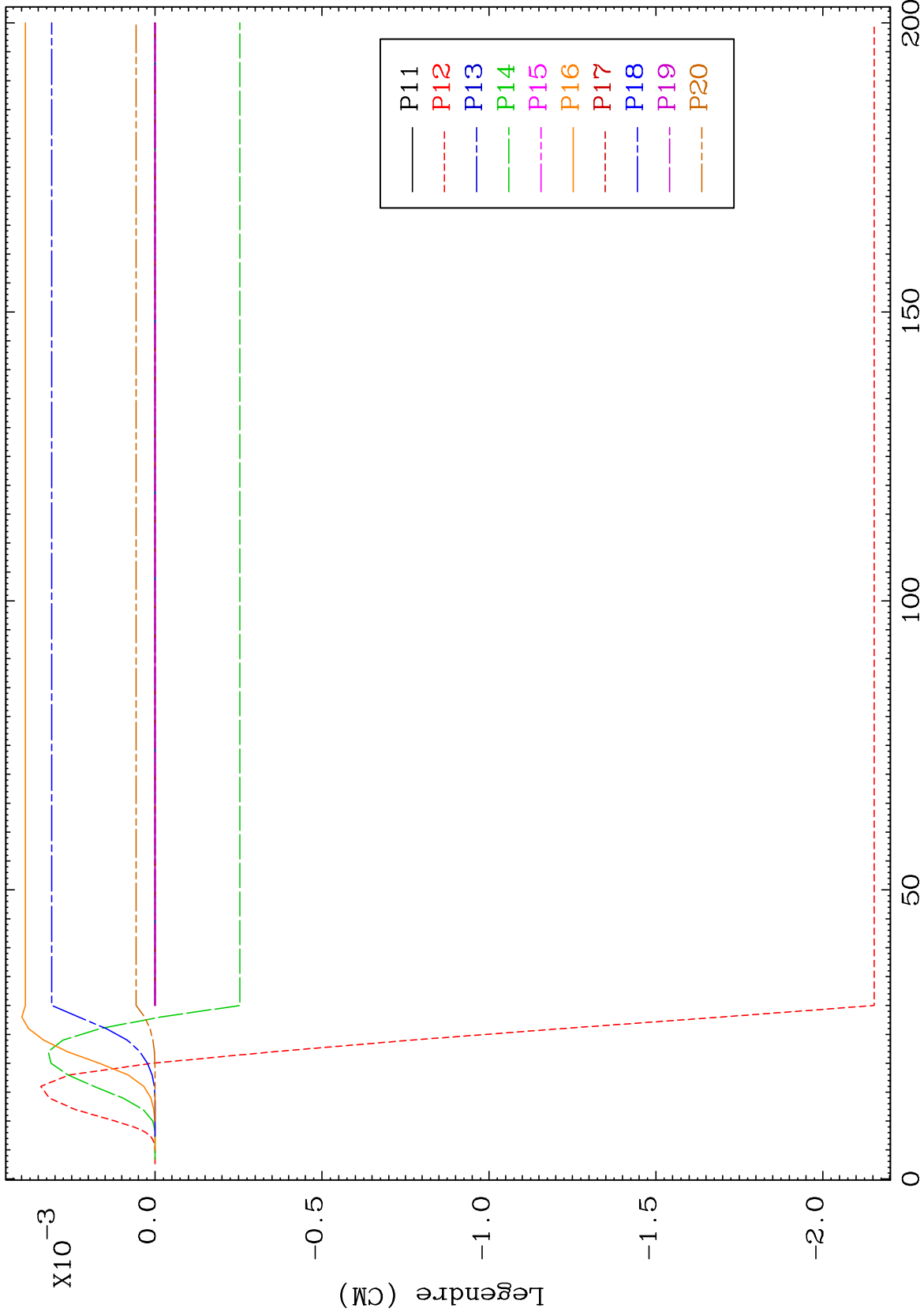
72-Hf-180



MAT 7243

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

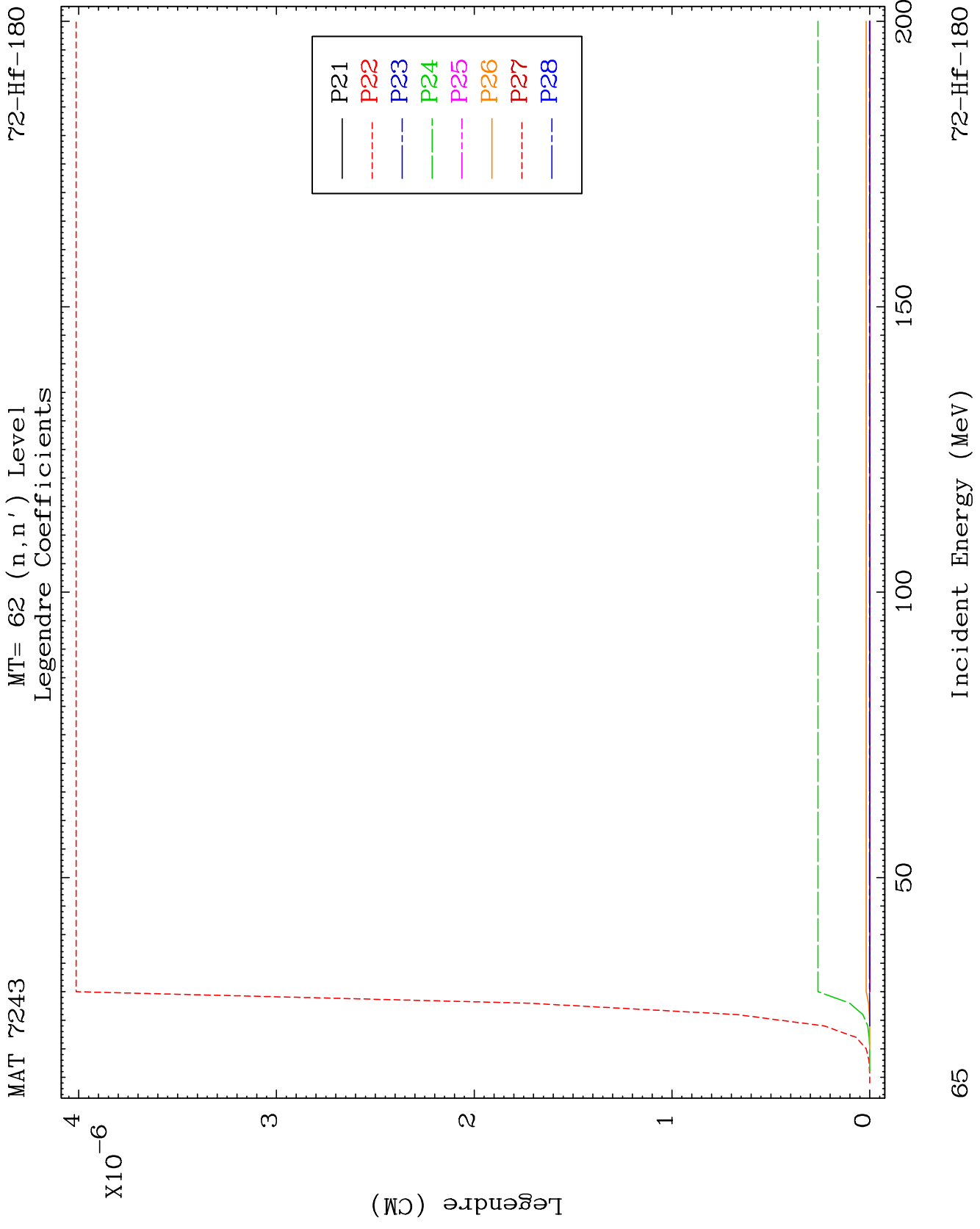
72-Hf-180



64

Incident Energy (MeV)

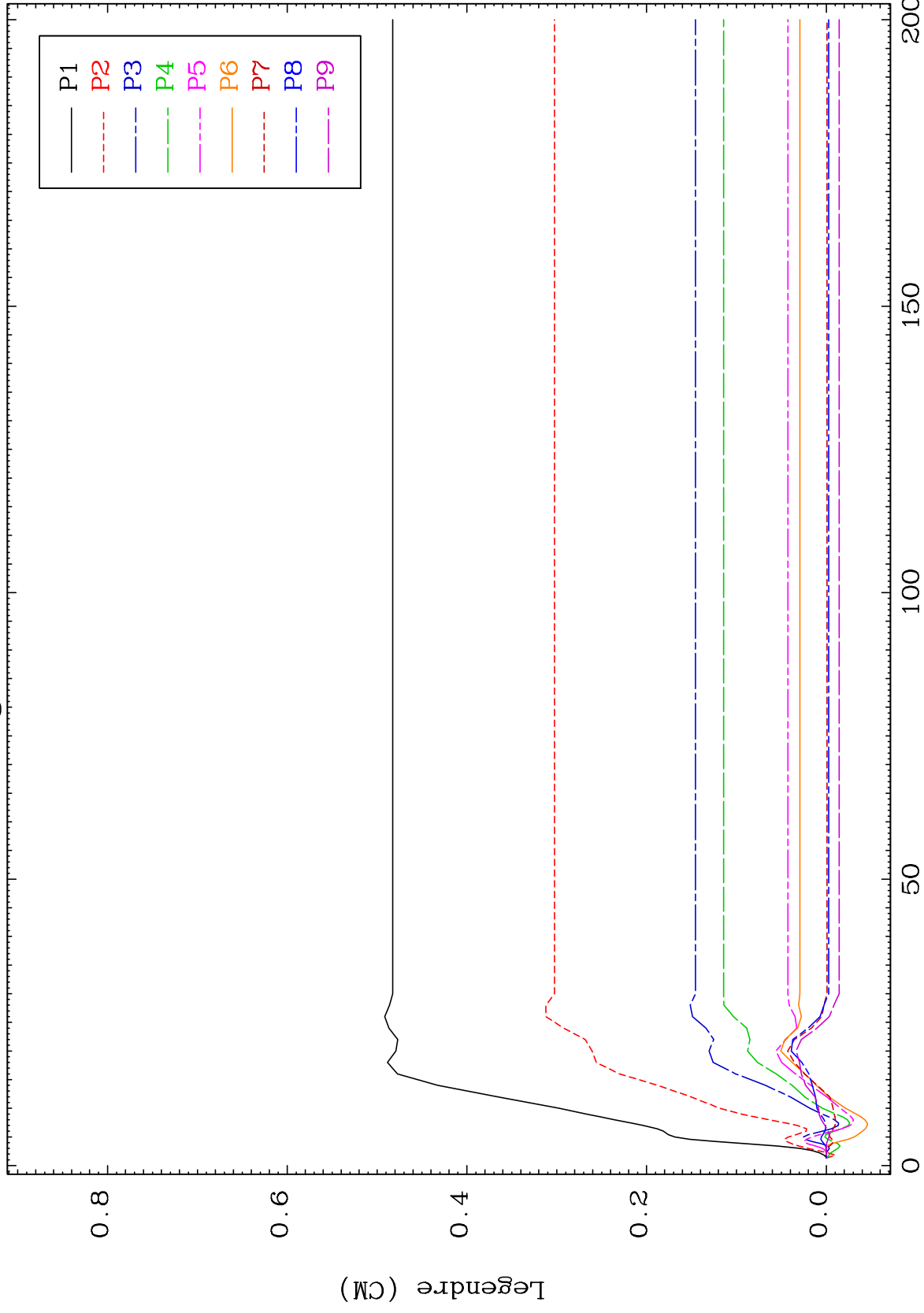
72-Hf-180



MAT 7243

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

72-Hf-180



66

Incident Energy (MeV)

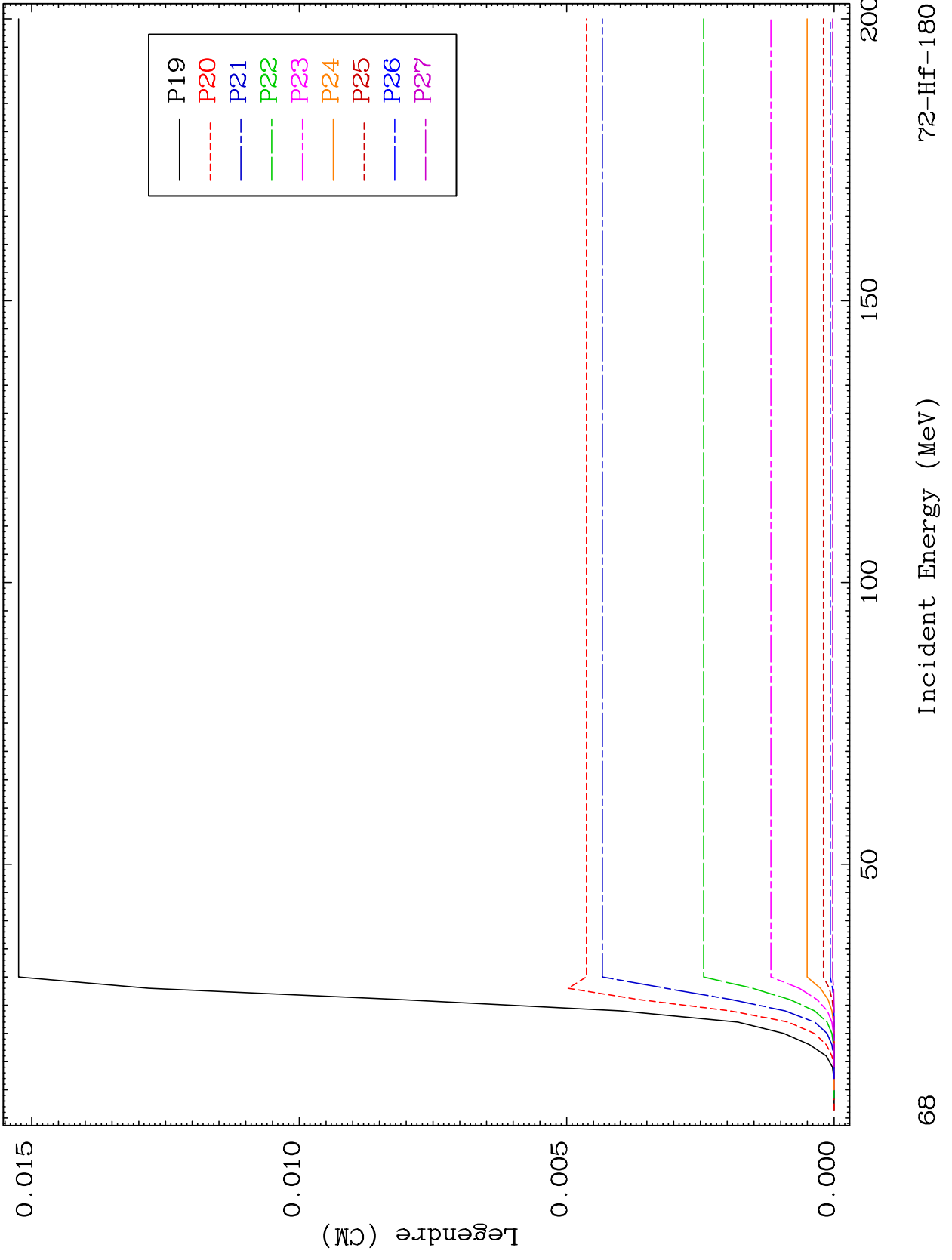
72-Hf-180



MAT 7243

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

72-Hf-180



68

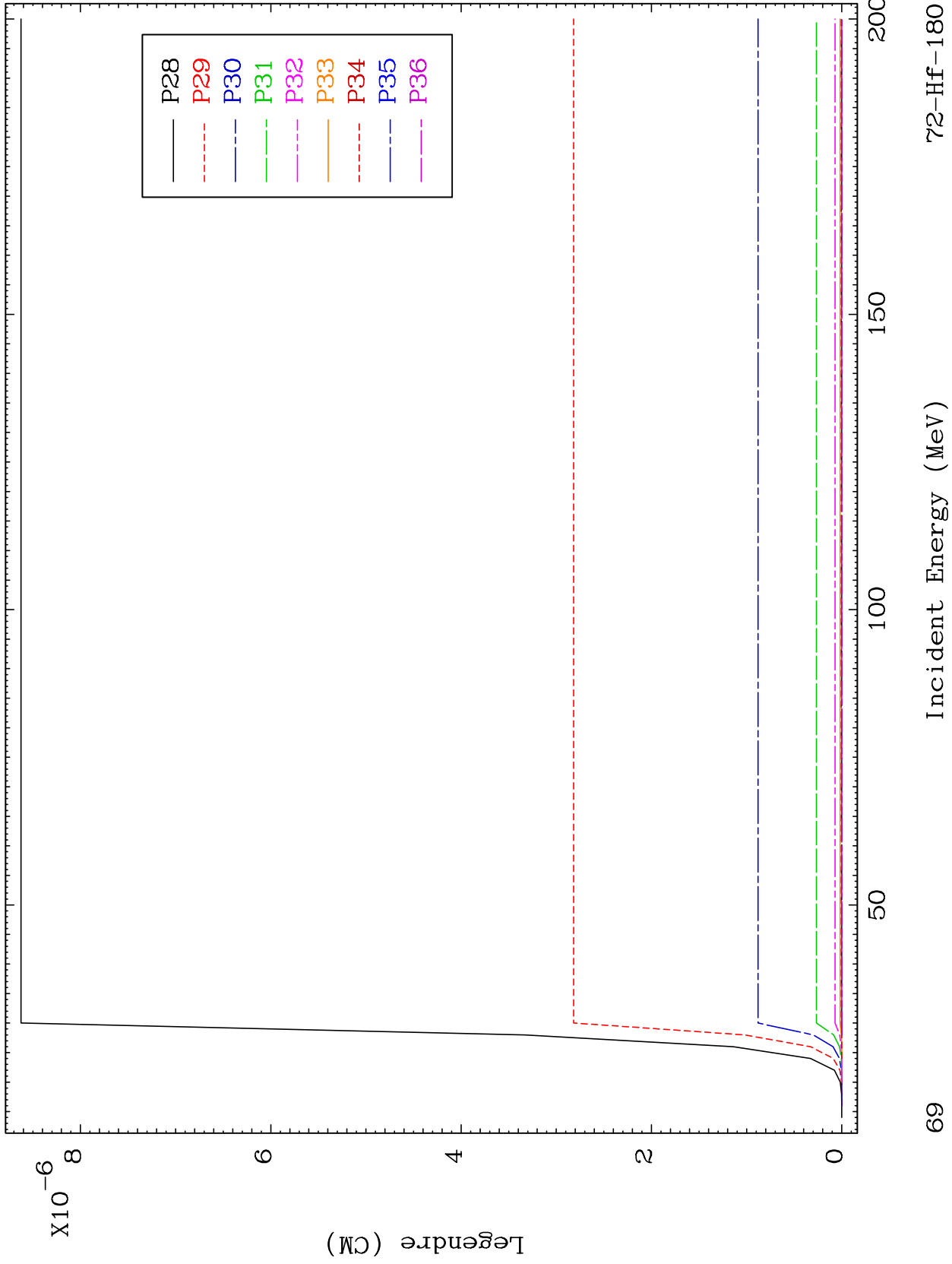
Incident Energy (MeV)

72-Hf-180

MAT 7243

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

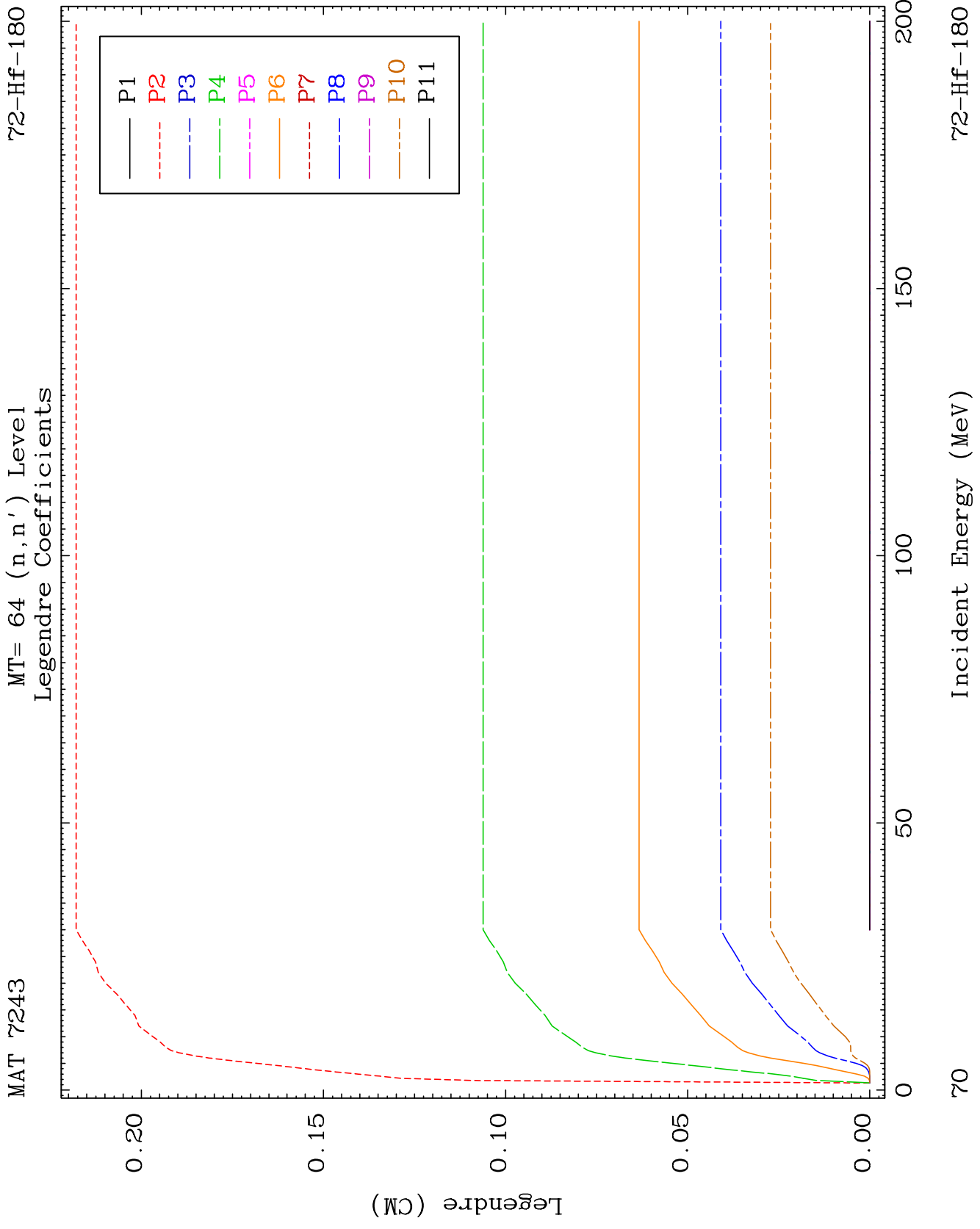
72-Hf-180



69

Incident Energy (MeV)

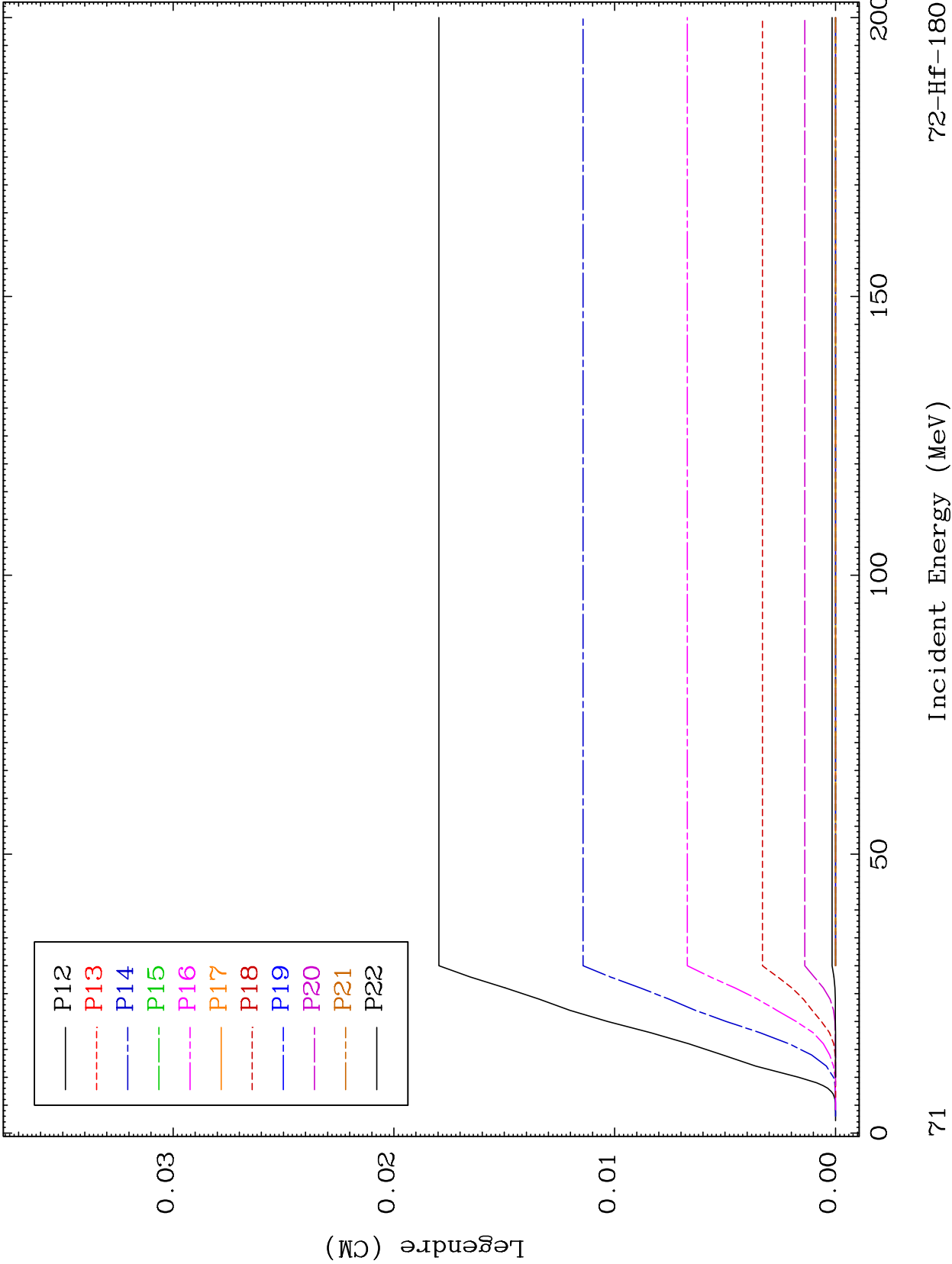
72-Hf-180



MAT 7243

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

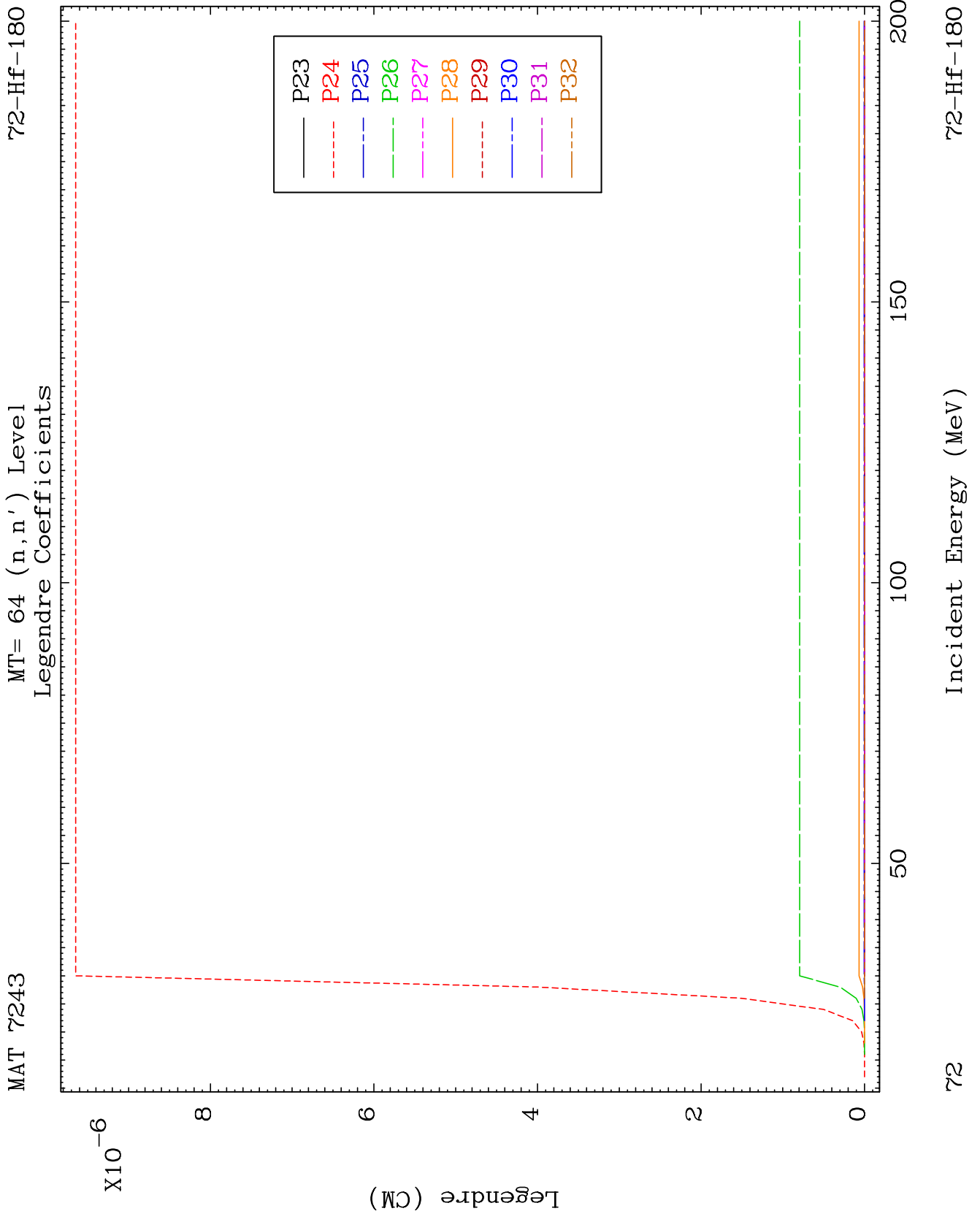
72-Hf-180

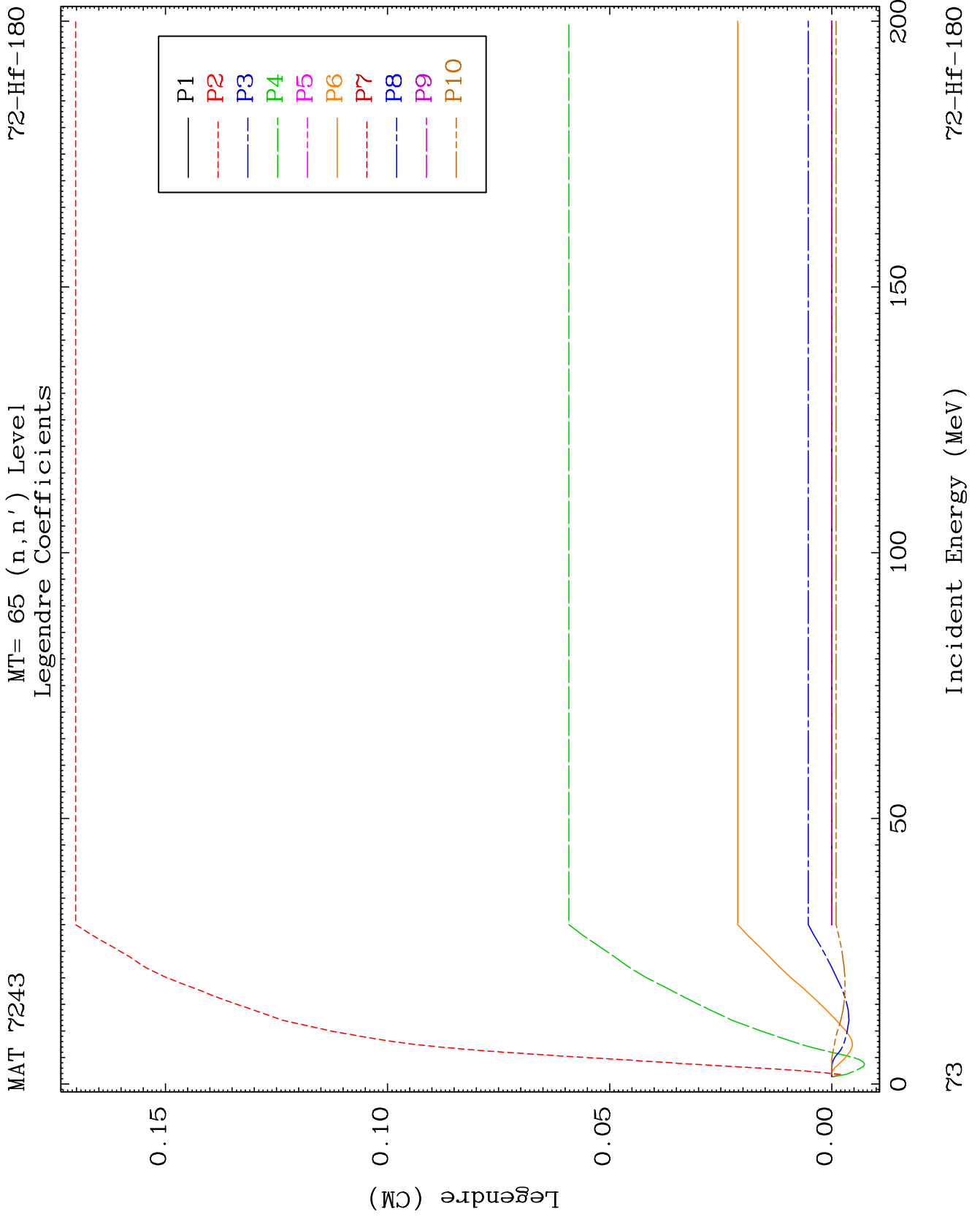


72-Hf-180

Incident Energy (MeV)

71

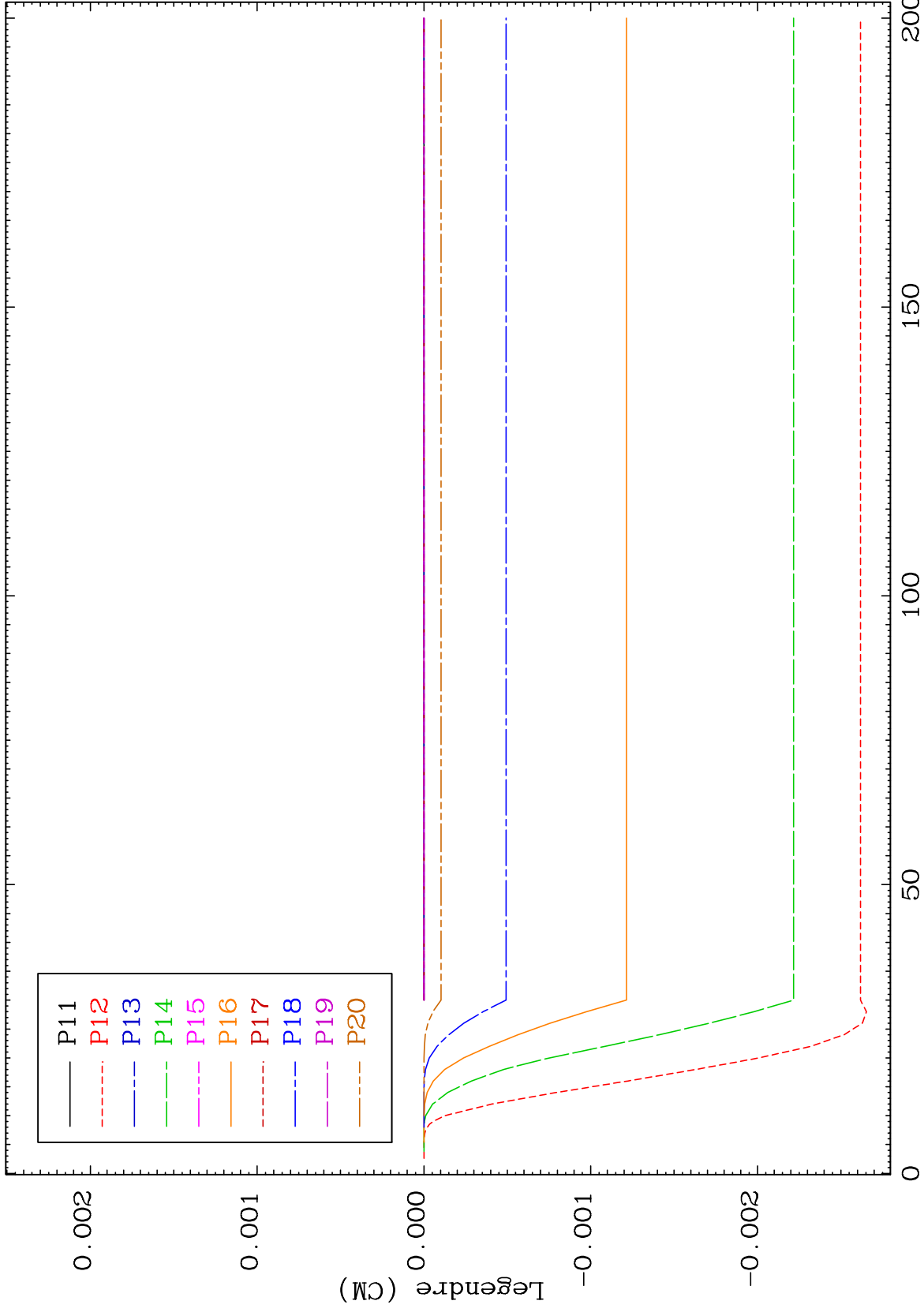




MAT 7243

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

72-Hf-180

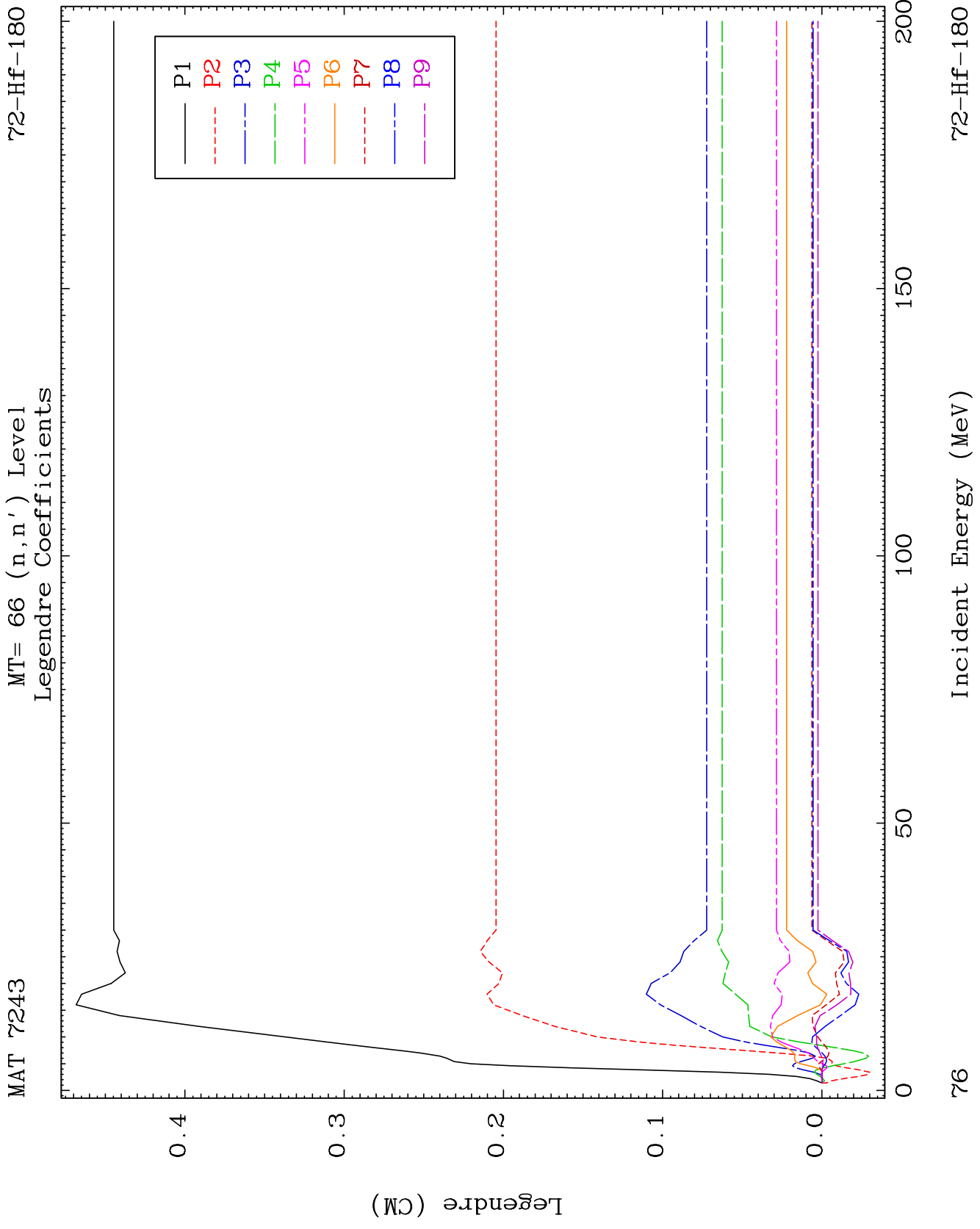


74

Incident Energy (MeV)

72-Hf-180

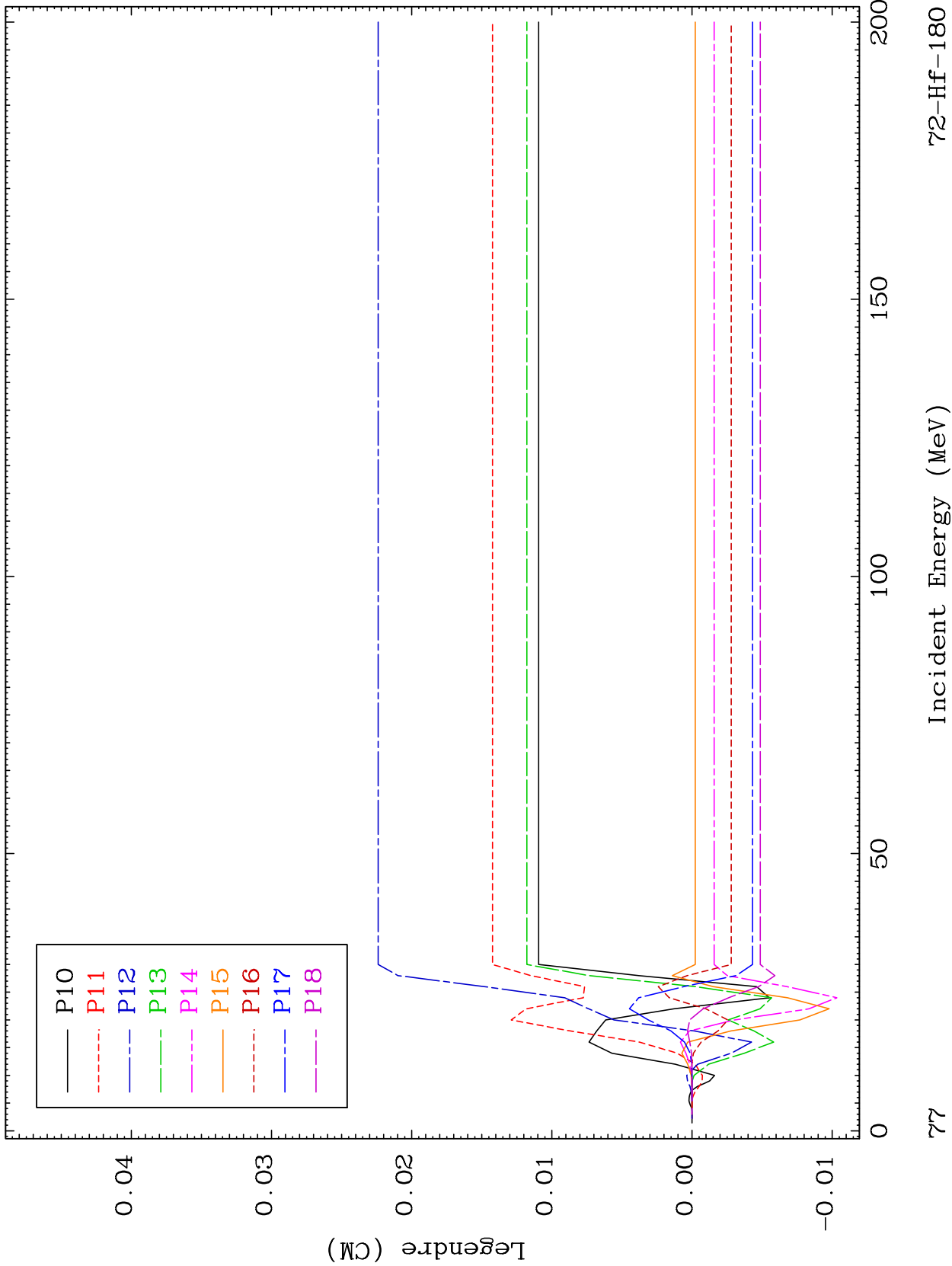




MAT 7243

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

72-Hf-180



77

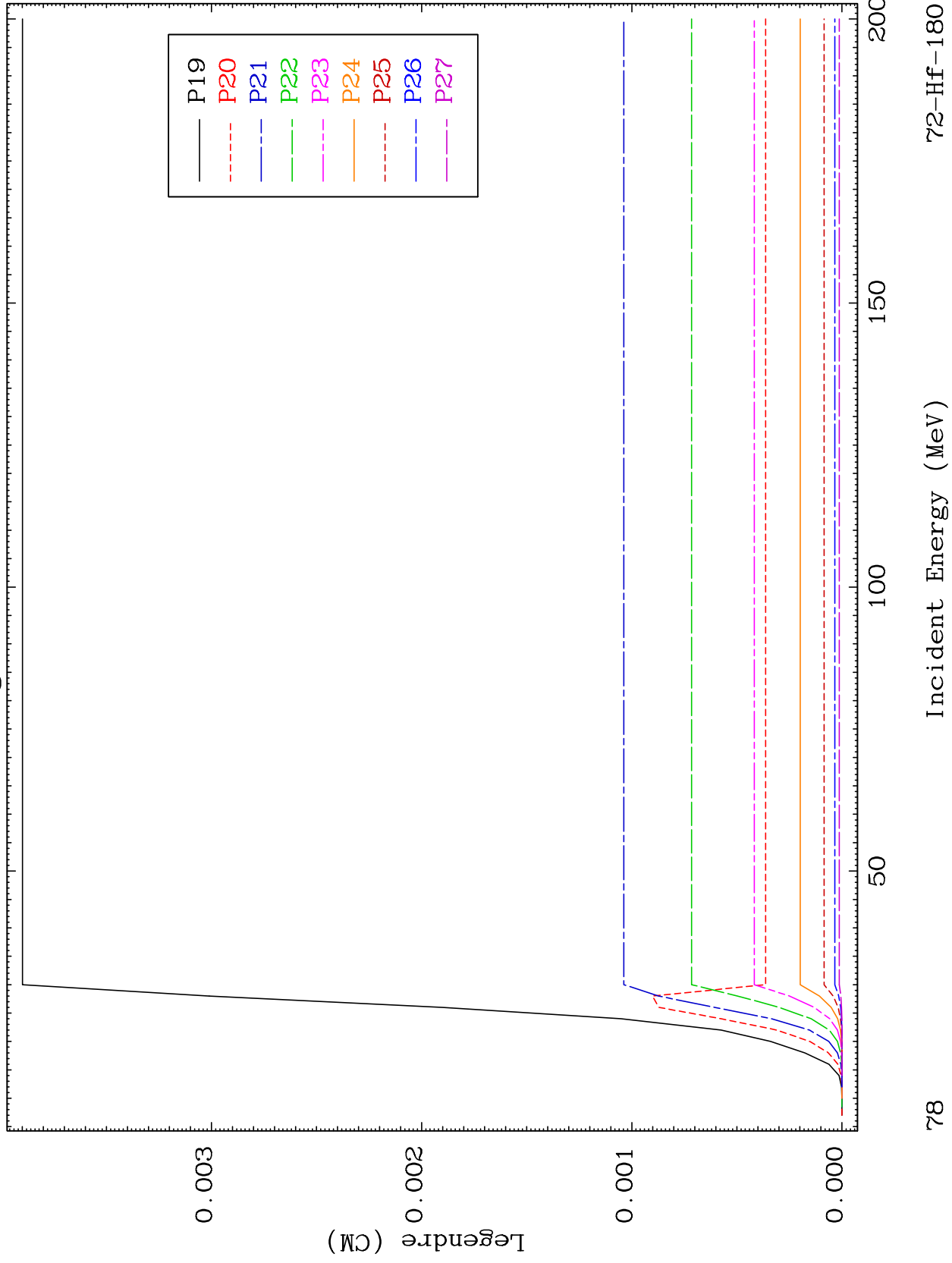
Incident Energy (MeV)

72-Hf-180

MAT 7243

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

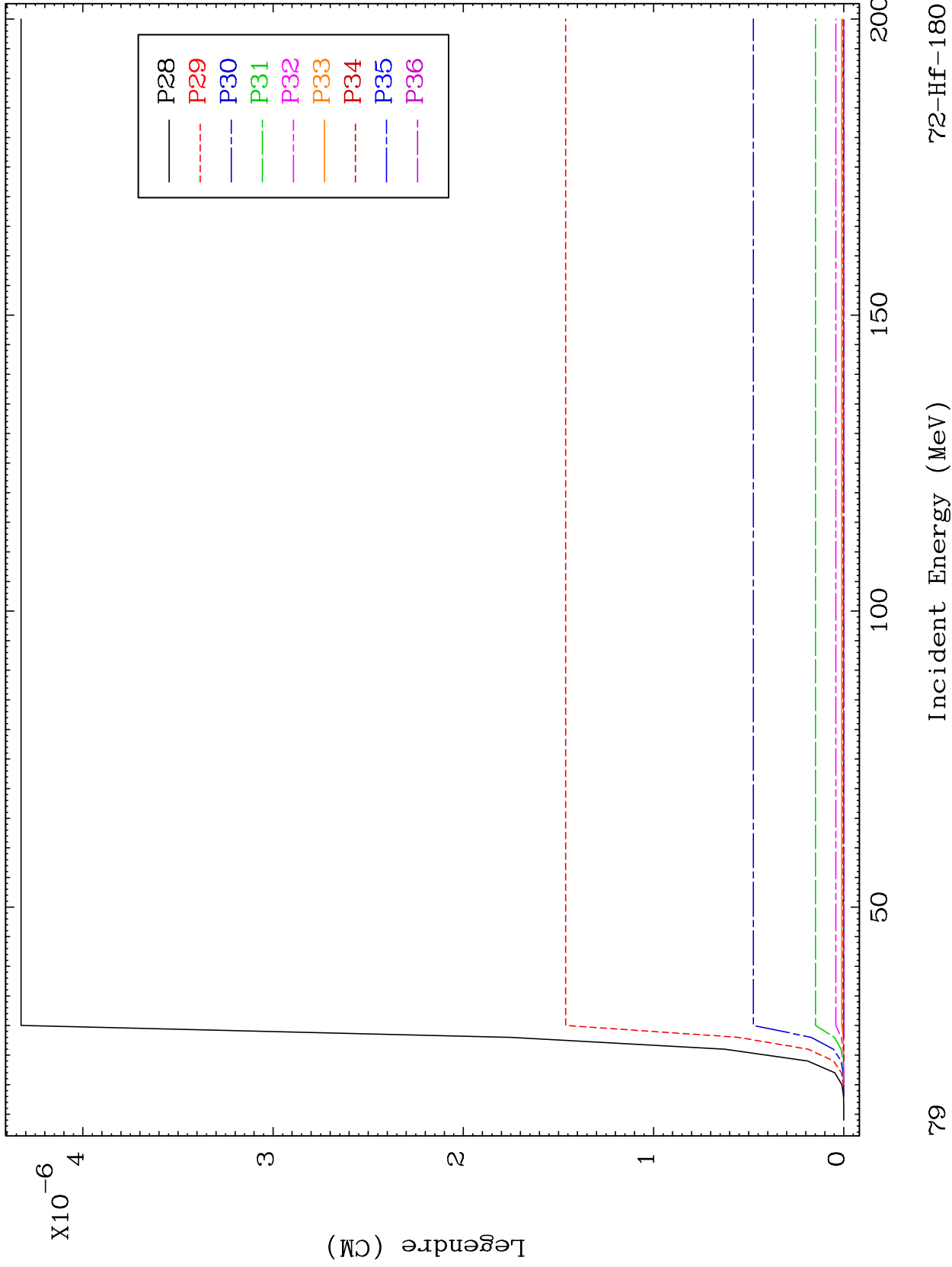
72-Hf-180



MAT 7243

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

72-Hf-180



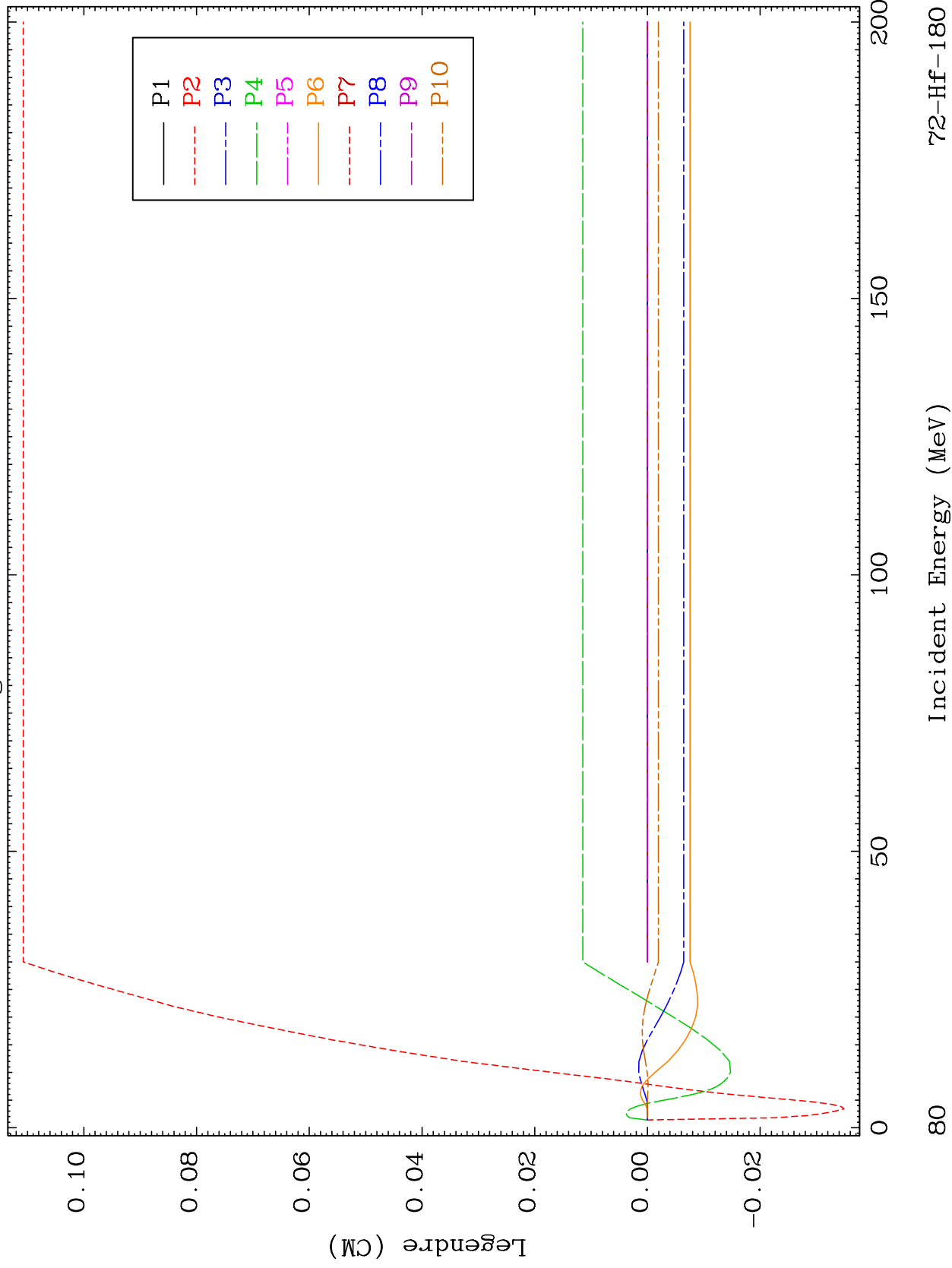
79

72-Hf-180

MAT 7243

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

72-Hf-180

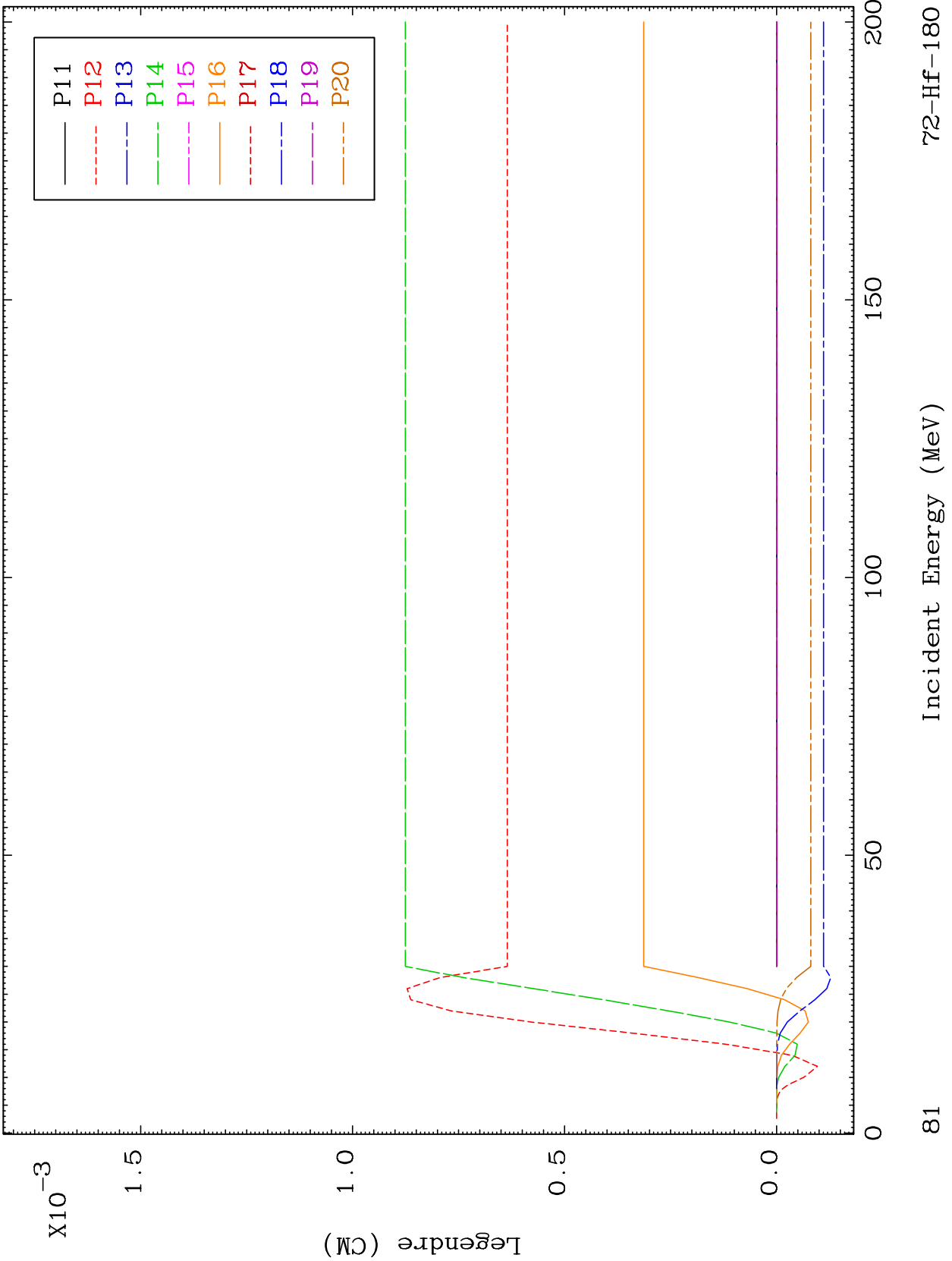


72-Hf-180

MAT 7243

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

72-Hf-180

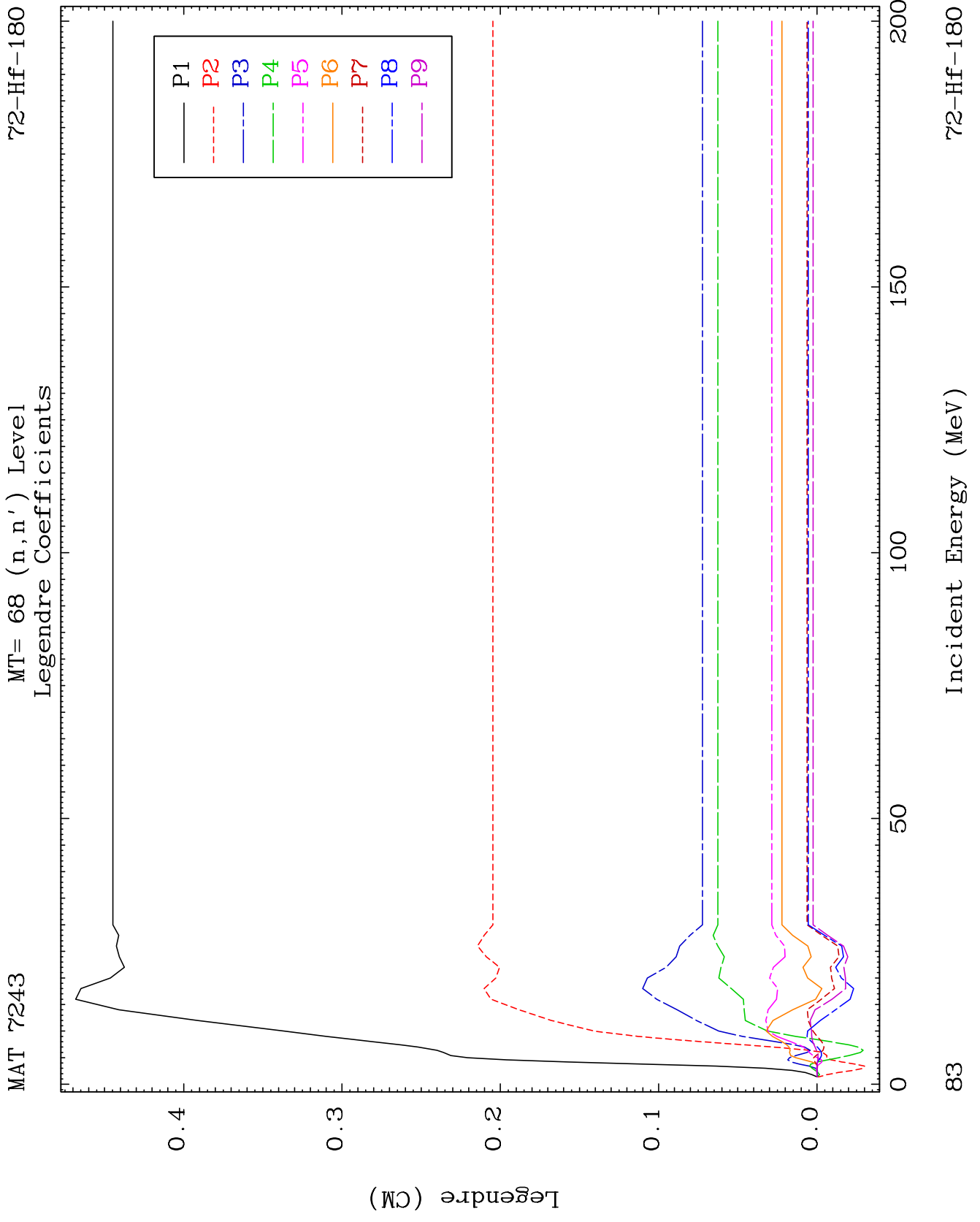


81

Incident Energy (MeV)

72-Hf-180

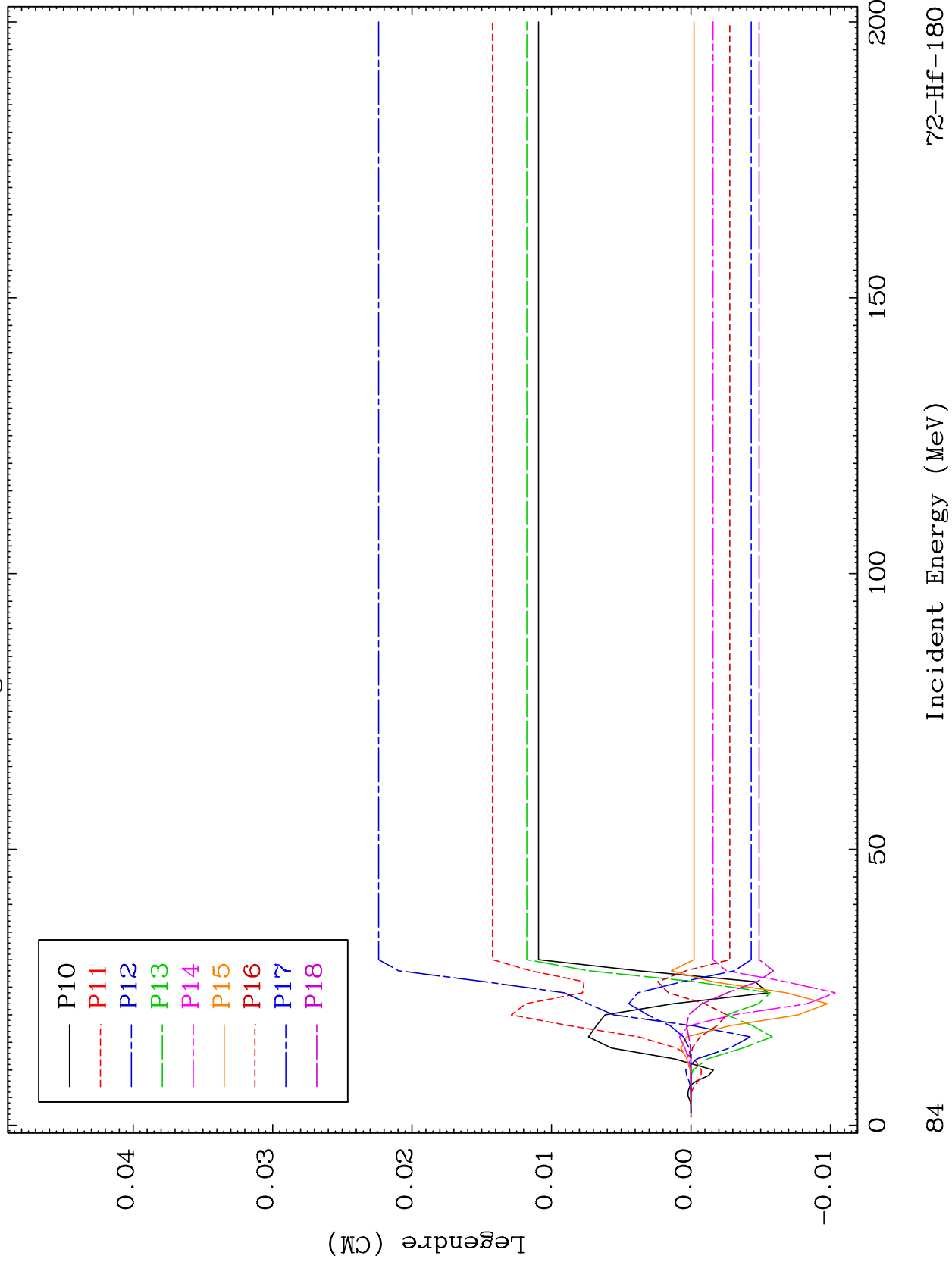




MAT 7243

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

72-Hf-180



84

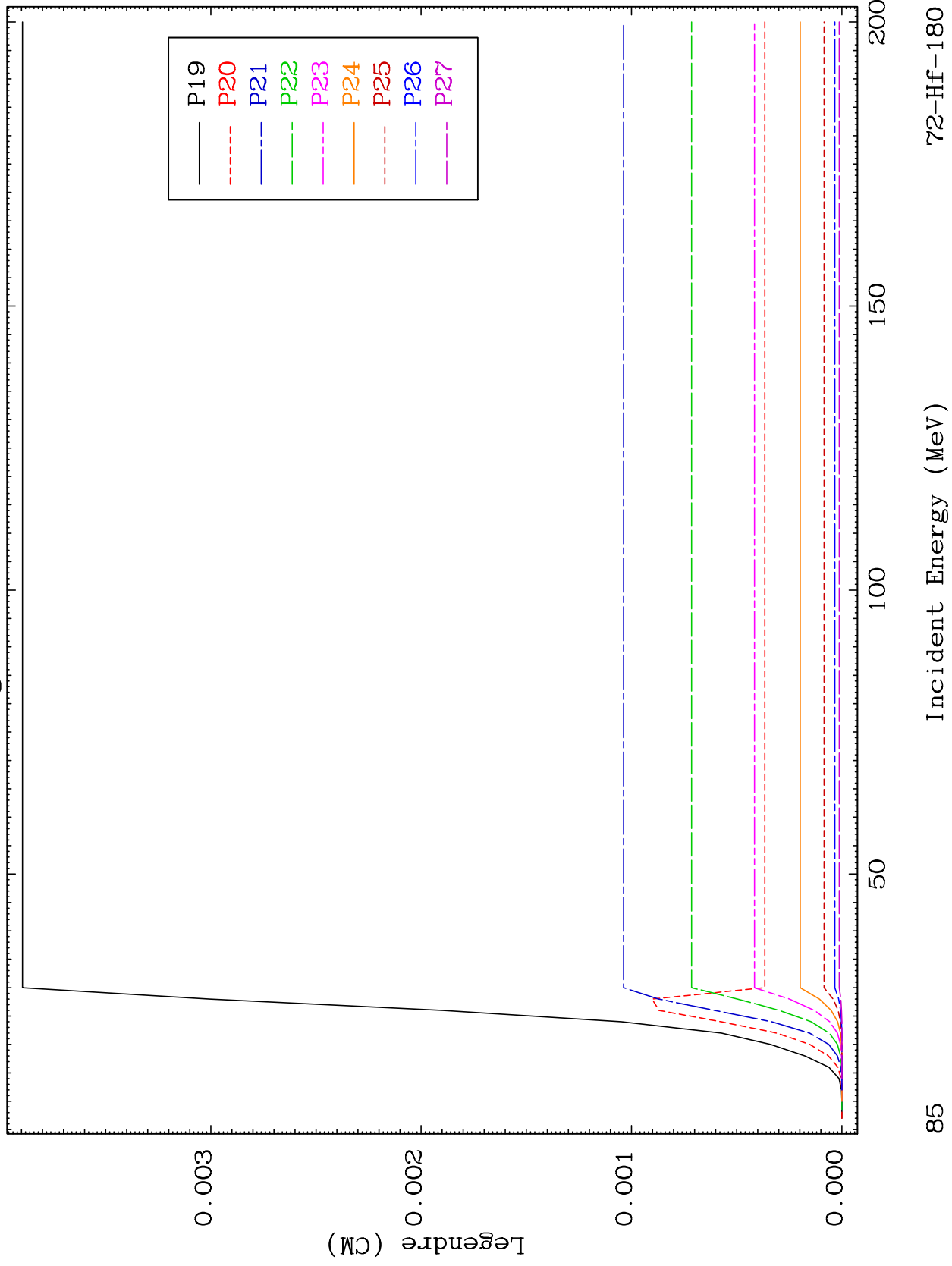
Incident Energy (MeV)

72-Hf-180

MAT 7243

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

72-Hf-180



85

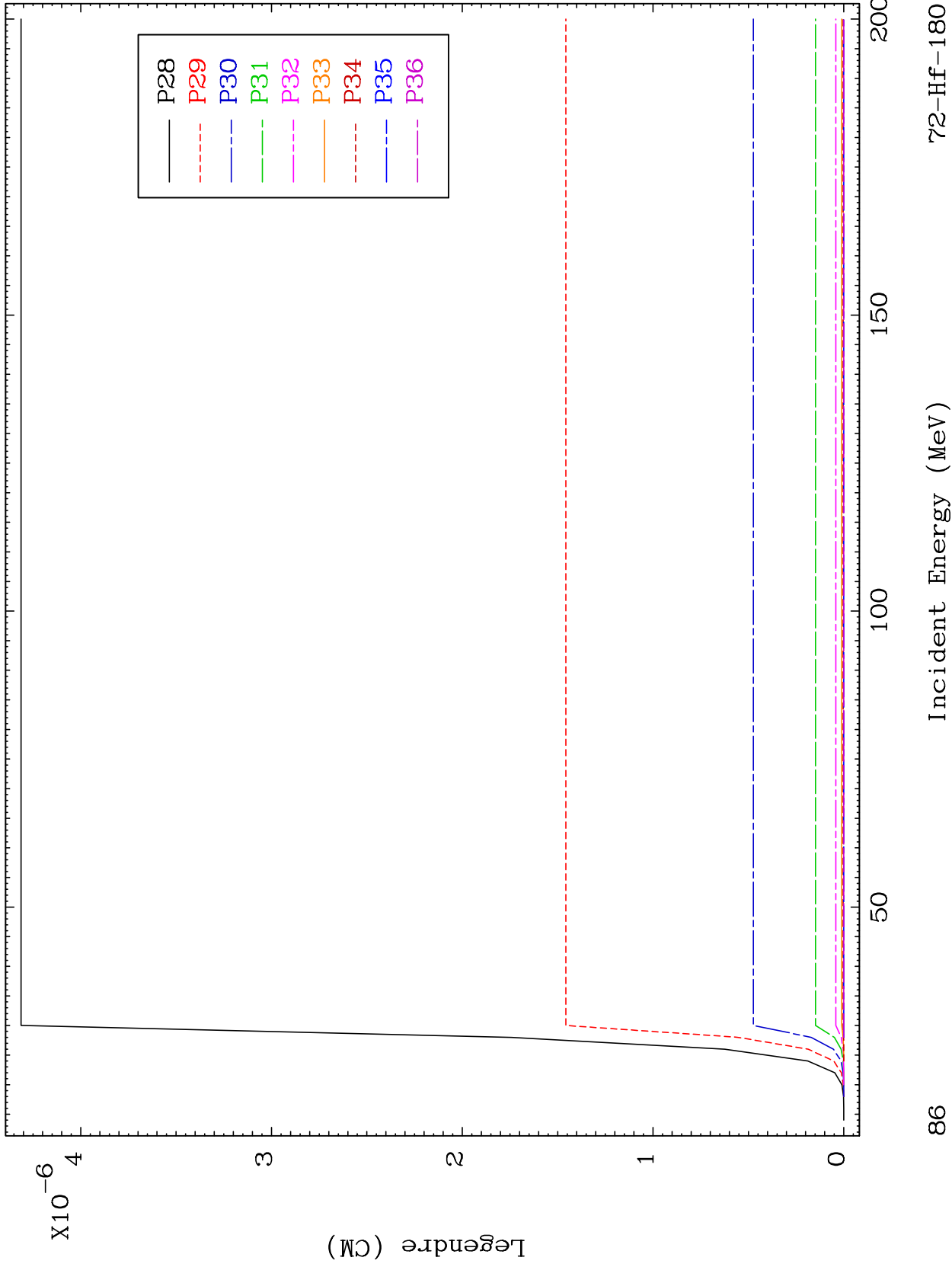
Incident Energy (MeV)

72-Hf-180

MAT 7243

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

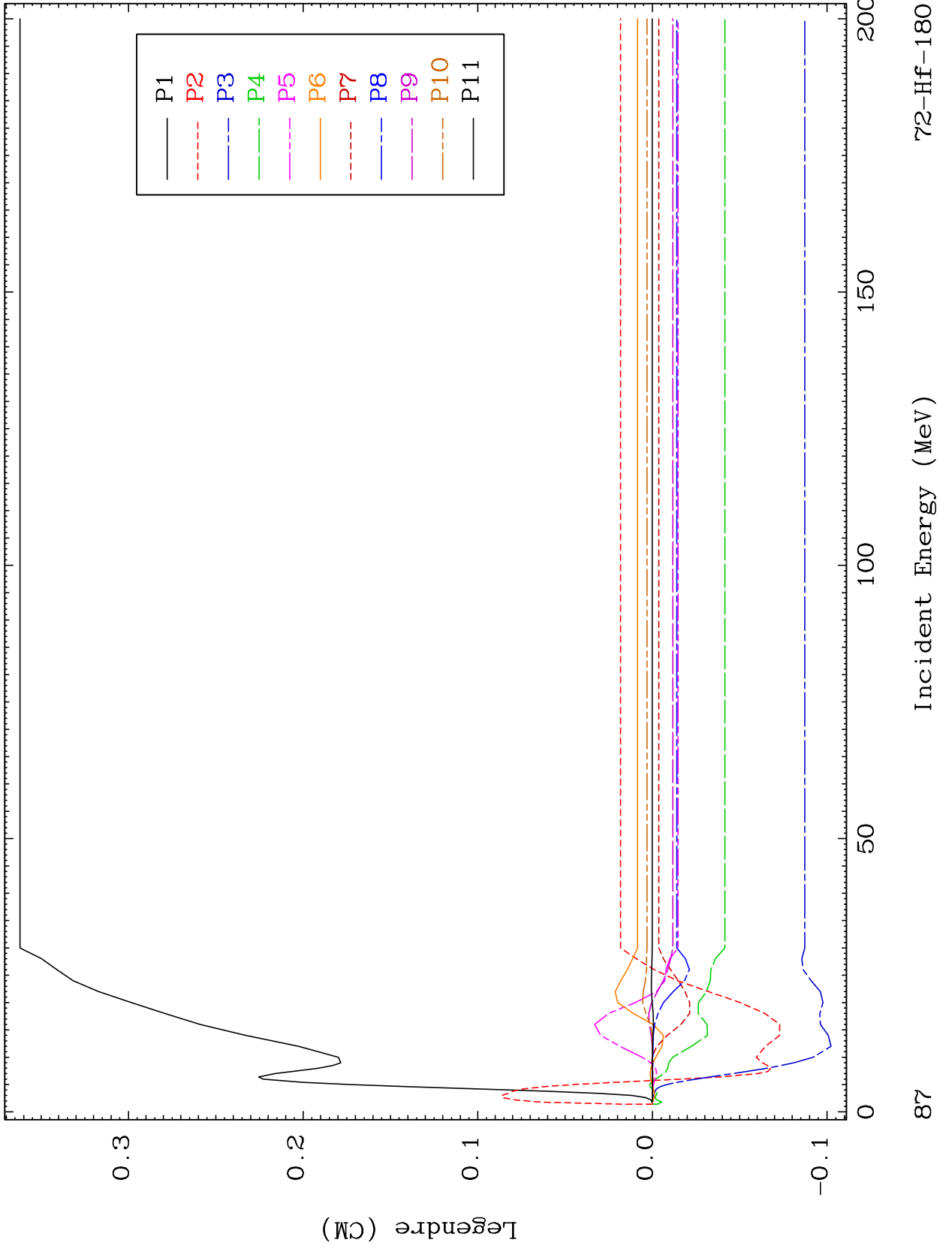
72-Hf-180



MAT 7243

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

72-Hf-180



87

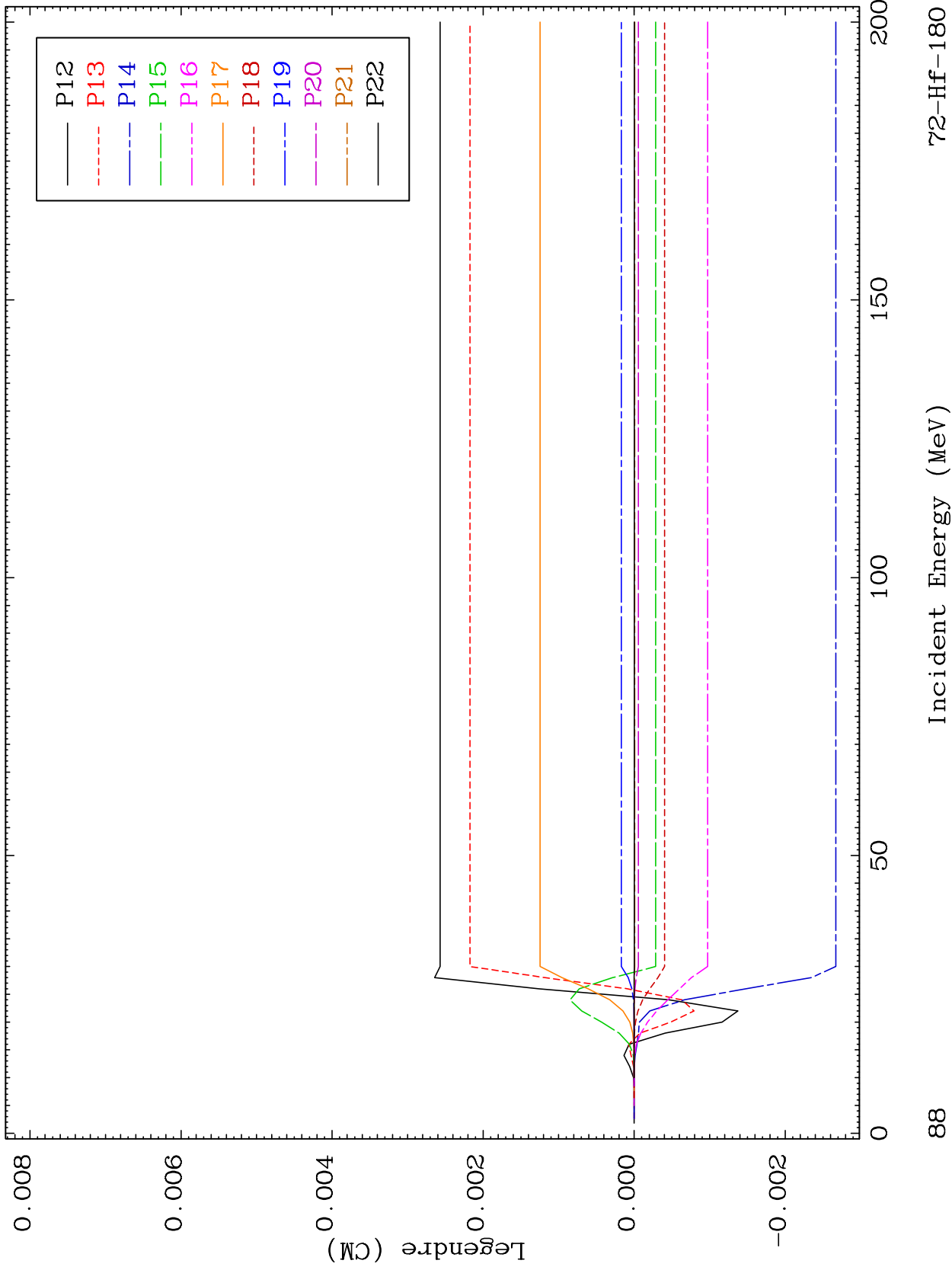
Incident Energy (MeV)

72-Hf-180

MAT 7243

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

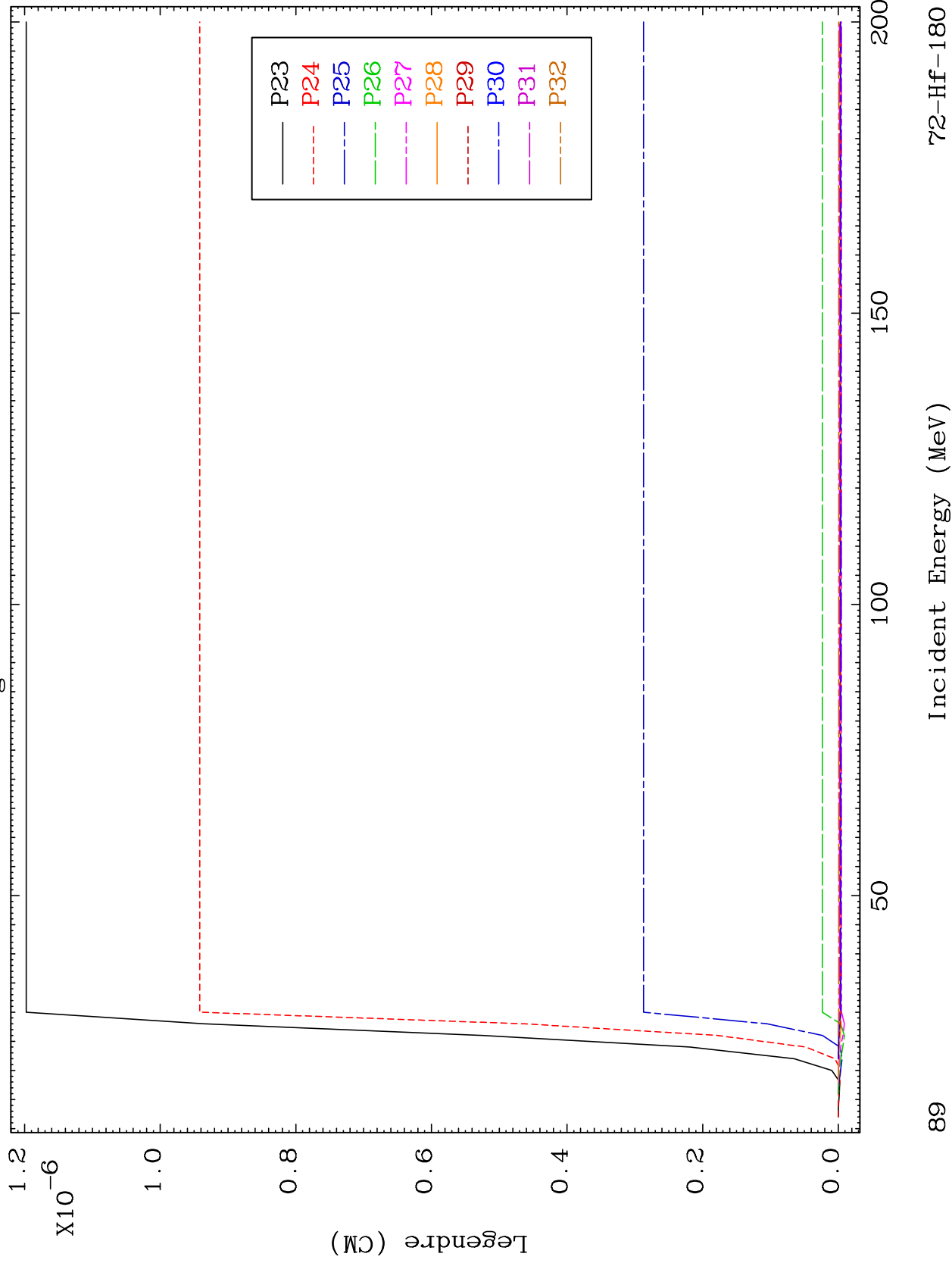
72-Hf-180

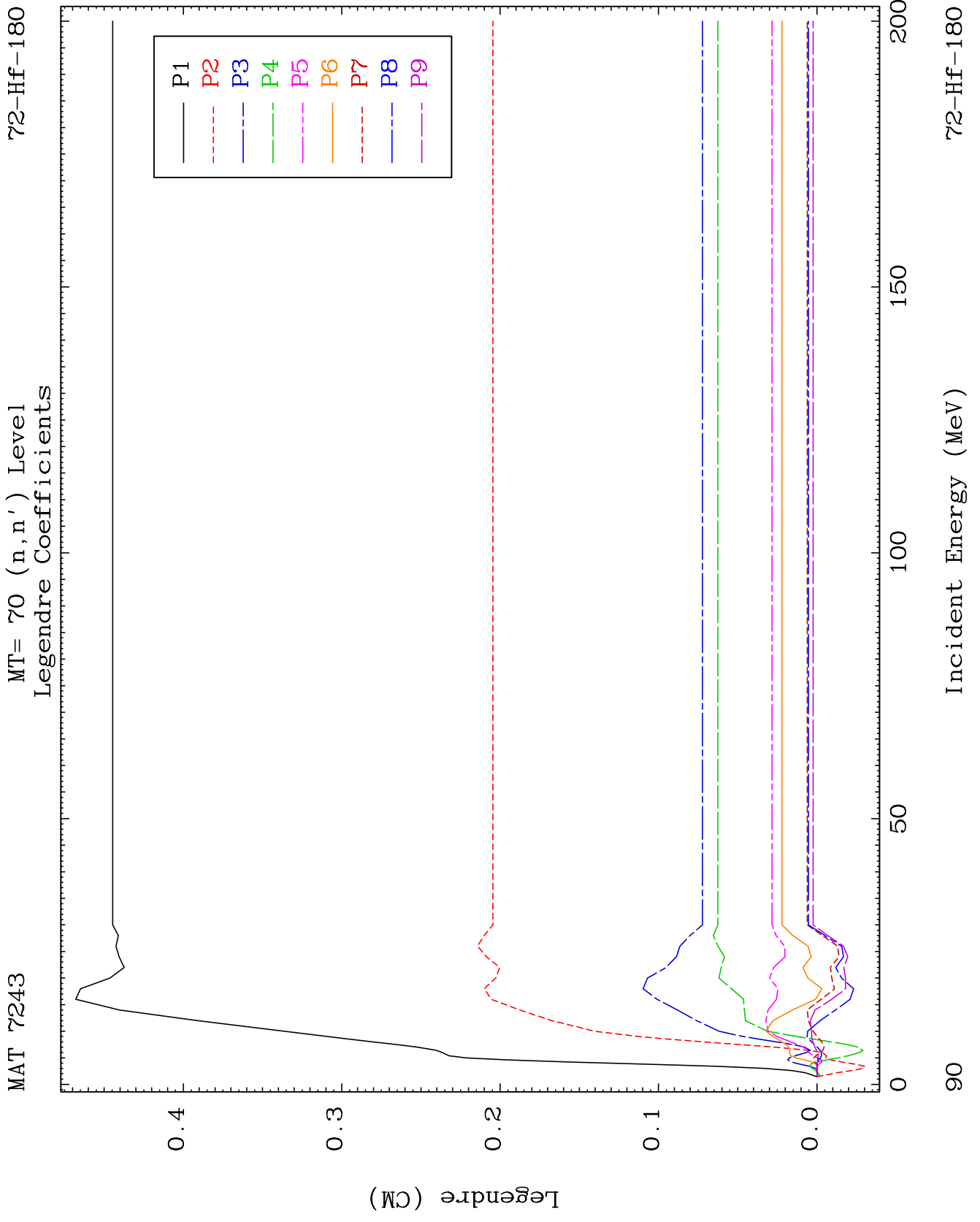


88

Incident Energy (MeV)

72-Hf-180

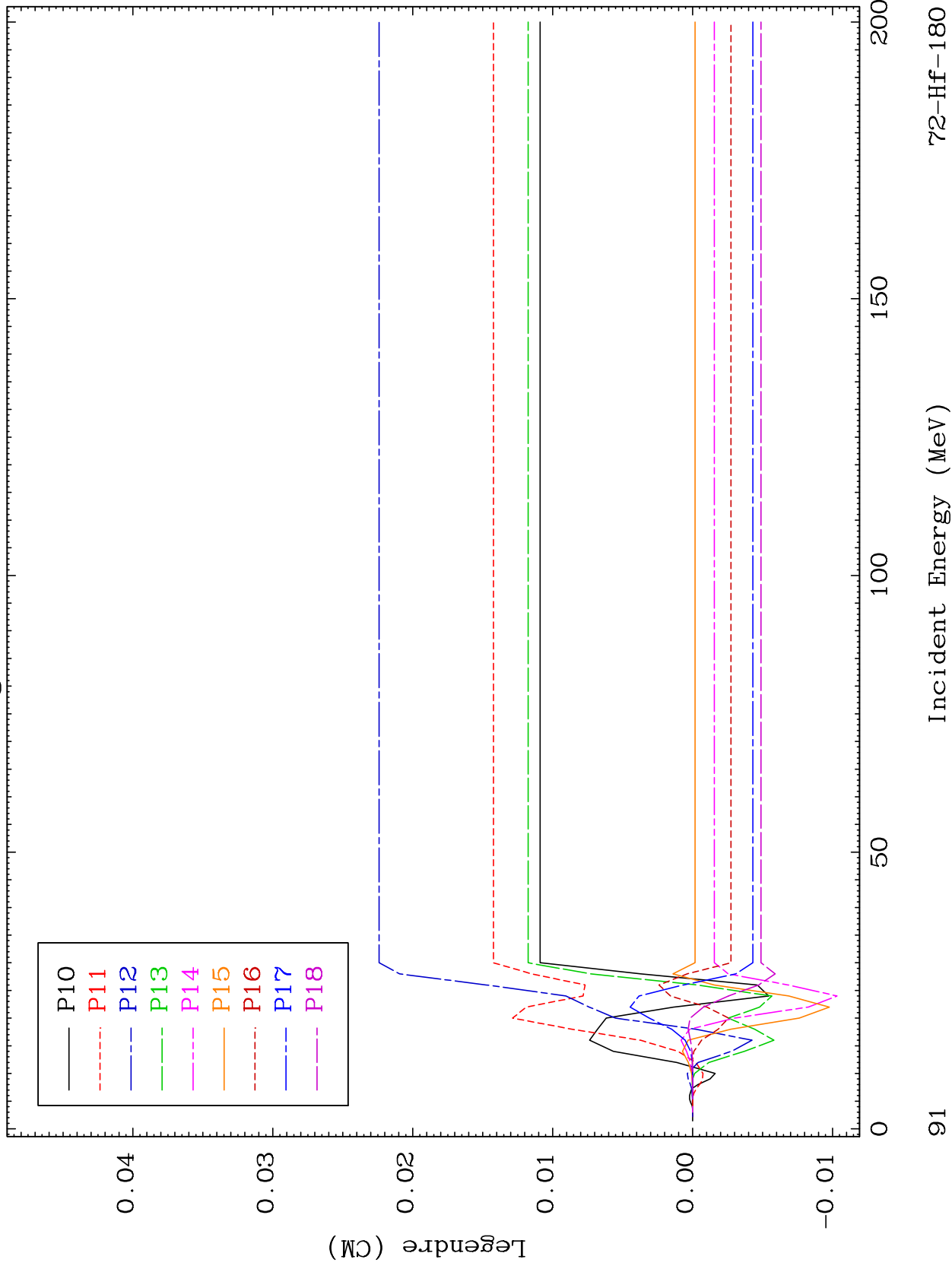




MAT 7243

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

72-Hf-180



91

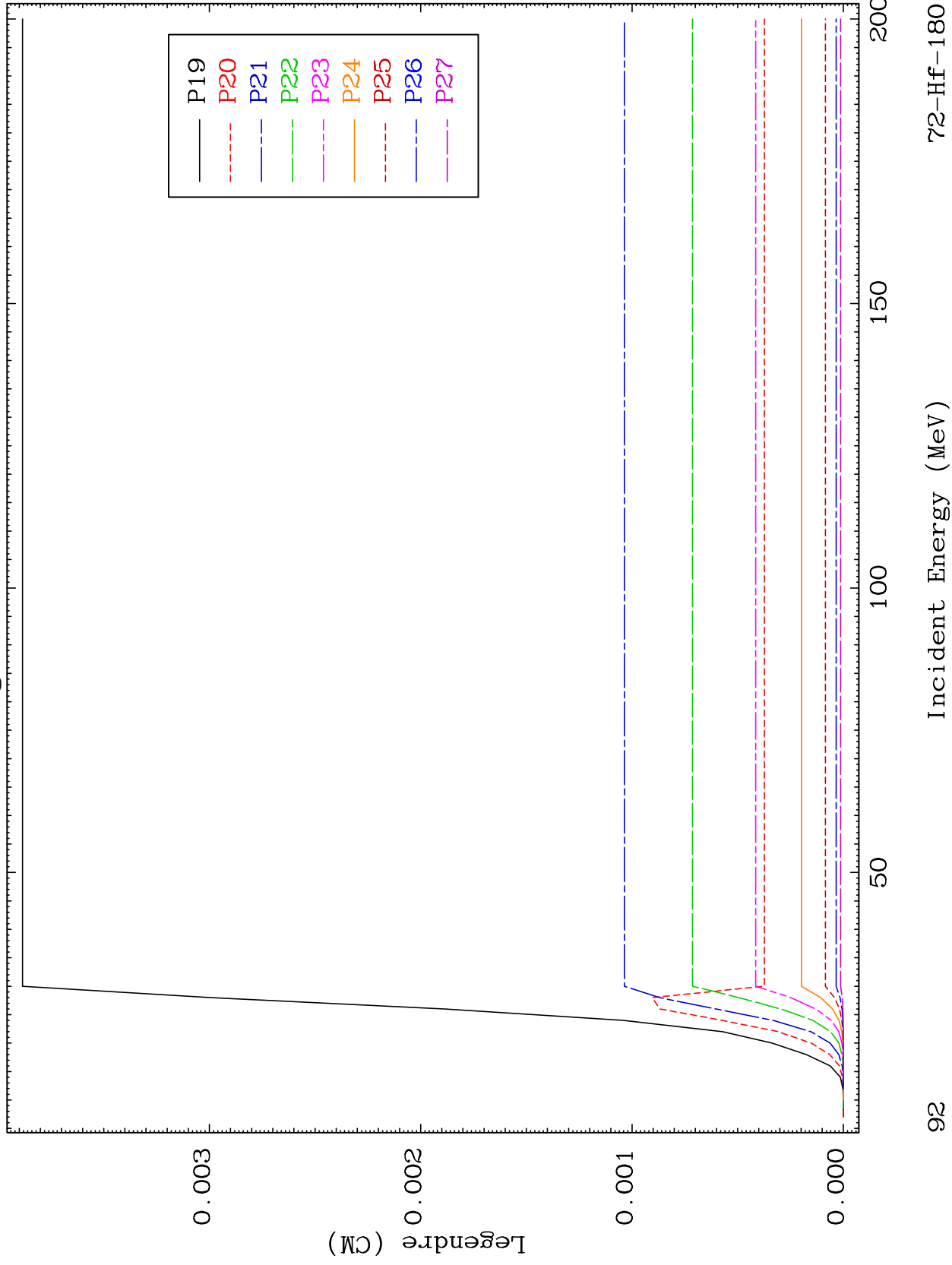
Incident Energy (MeV)

72-Hf-180

MAT 7243

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

72-Hf-180

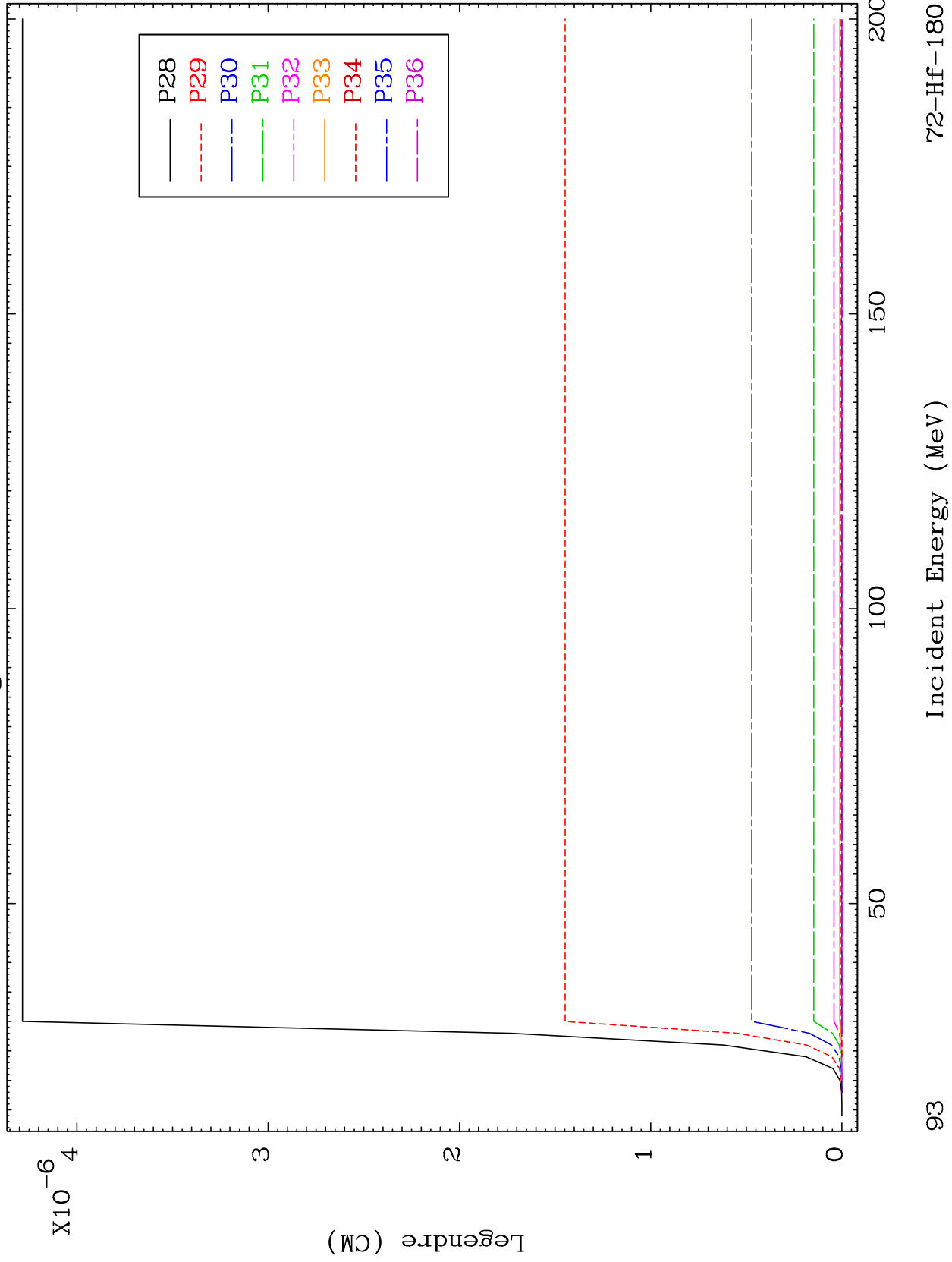


92

MAT 7243

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

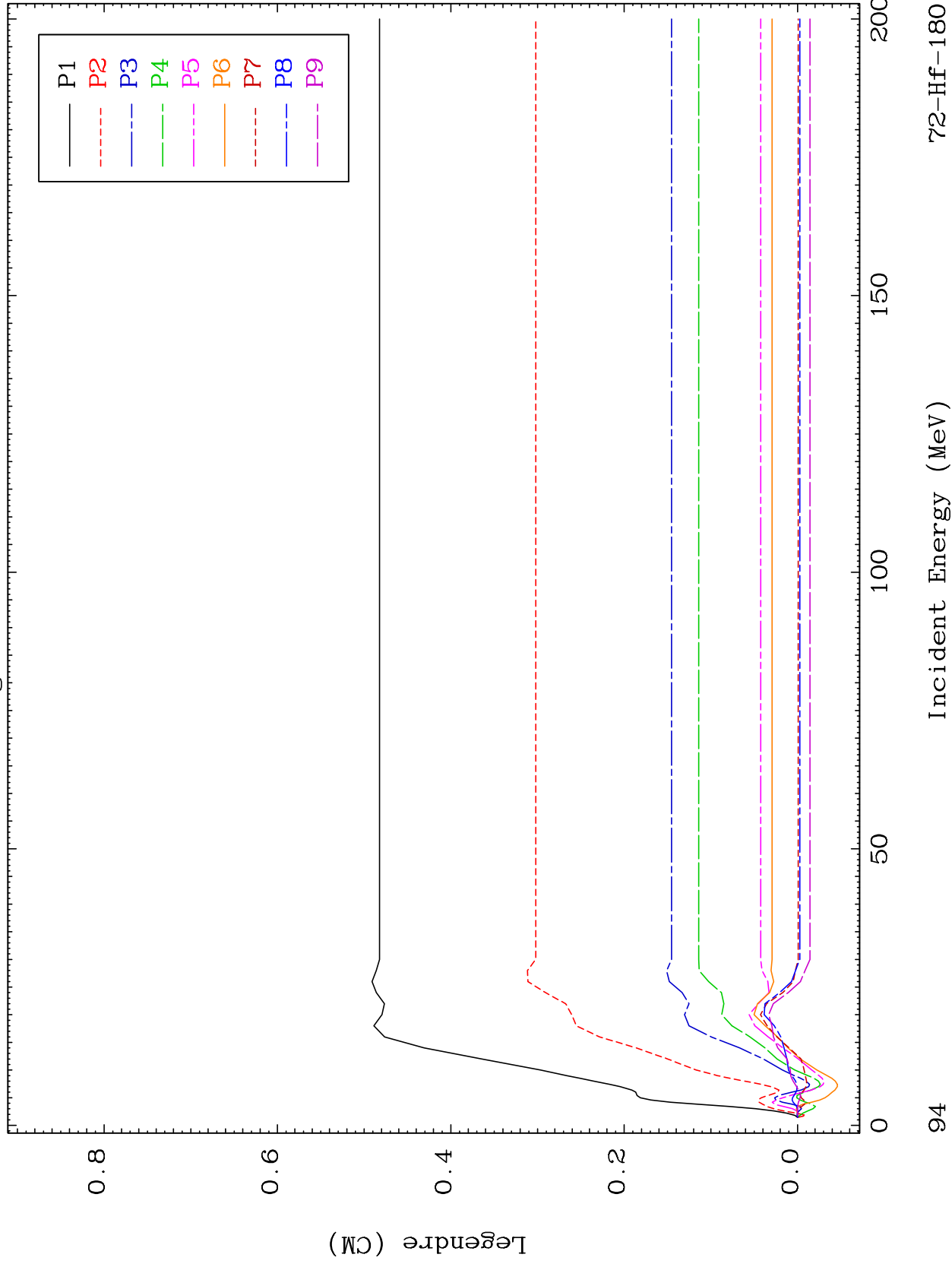
72-Hf-180

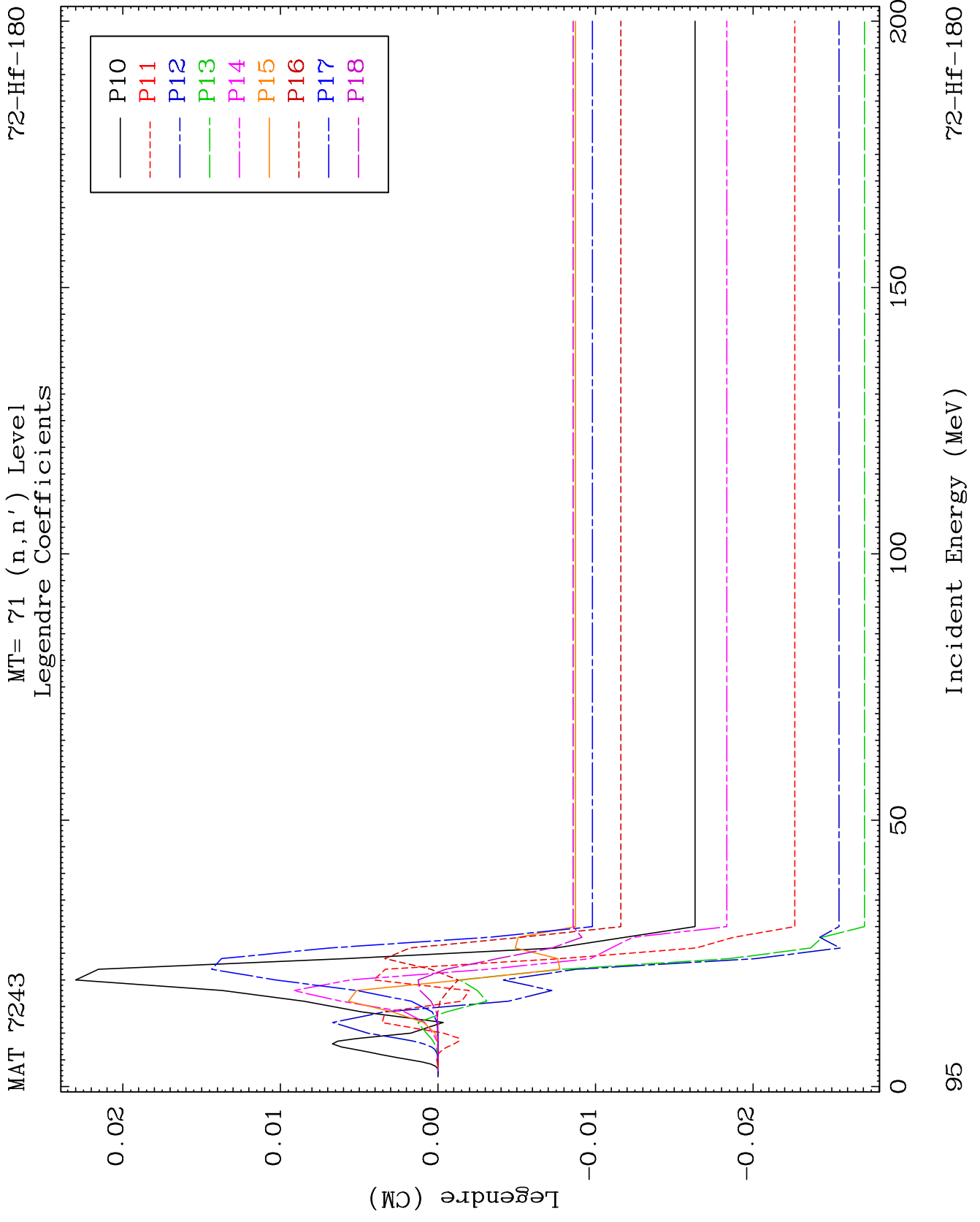


MAT 7243

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

72-Hf-180

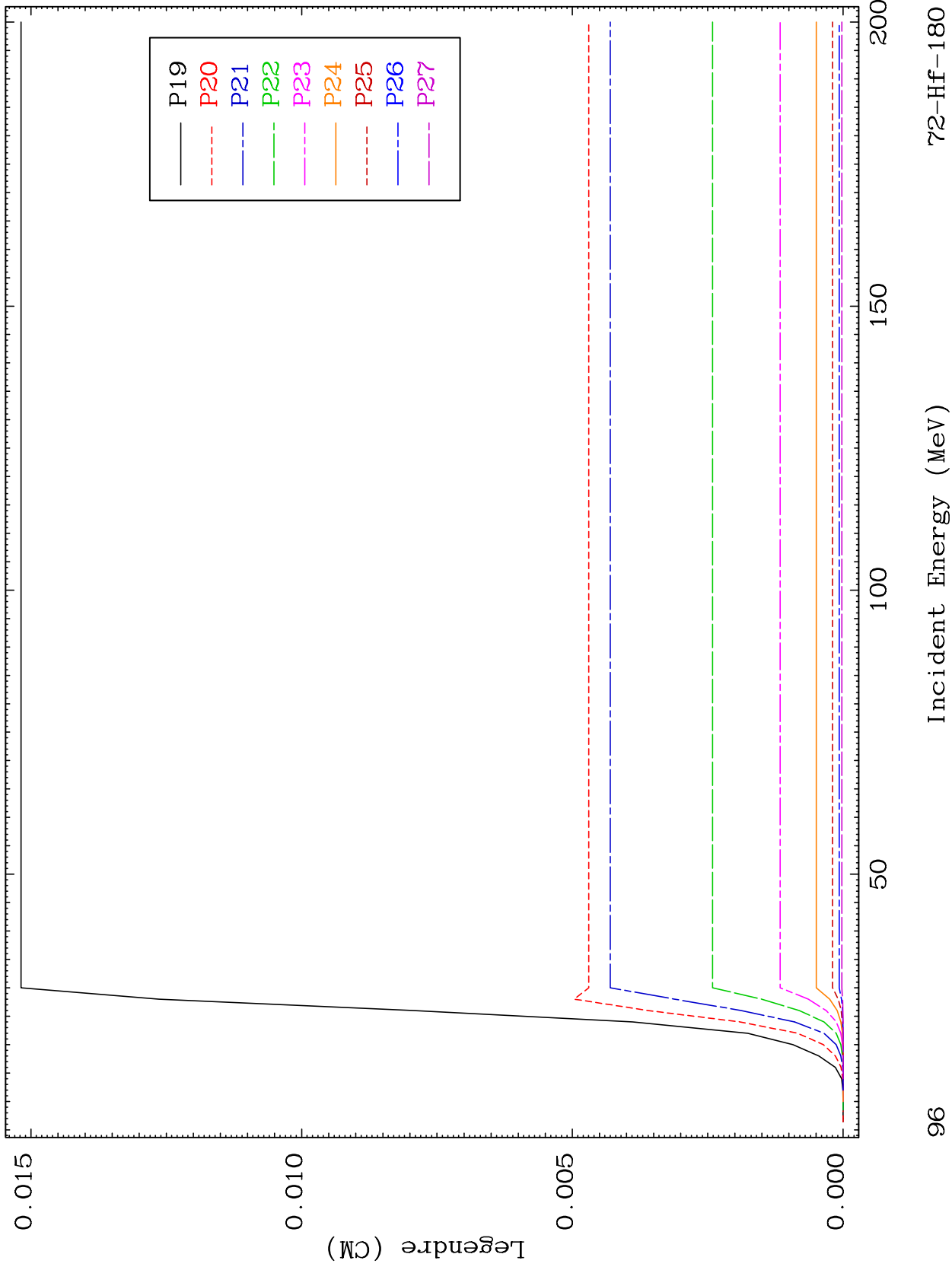




MAT 7243

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

72-Hf-180



96

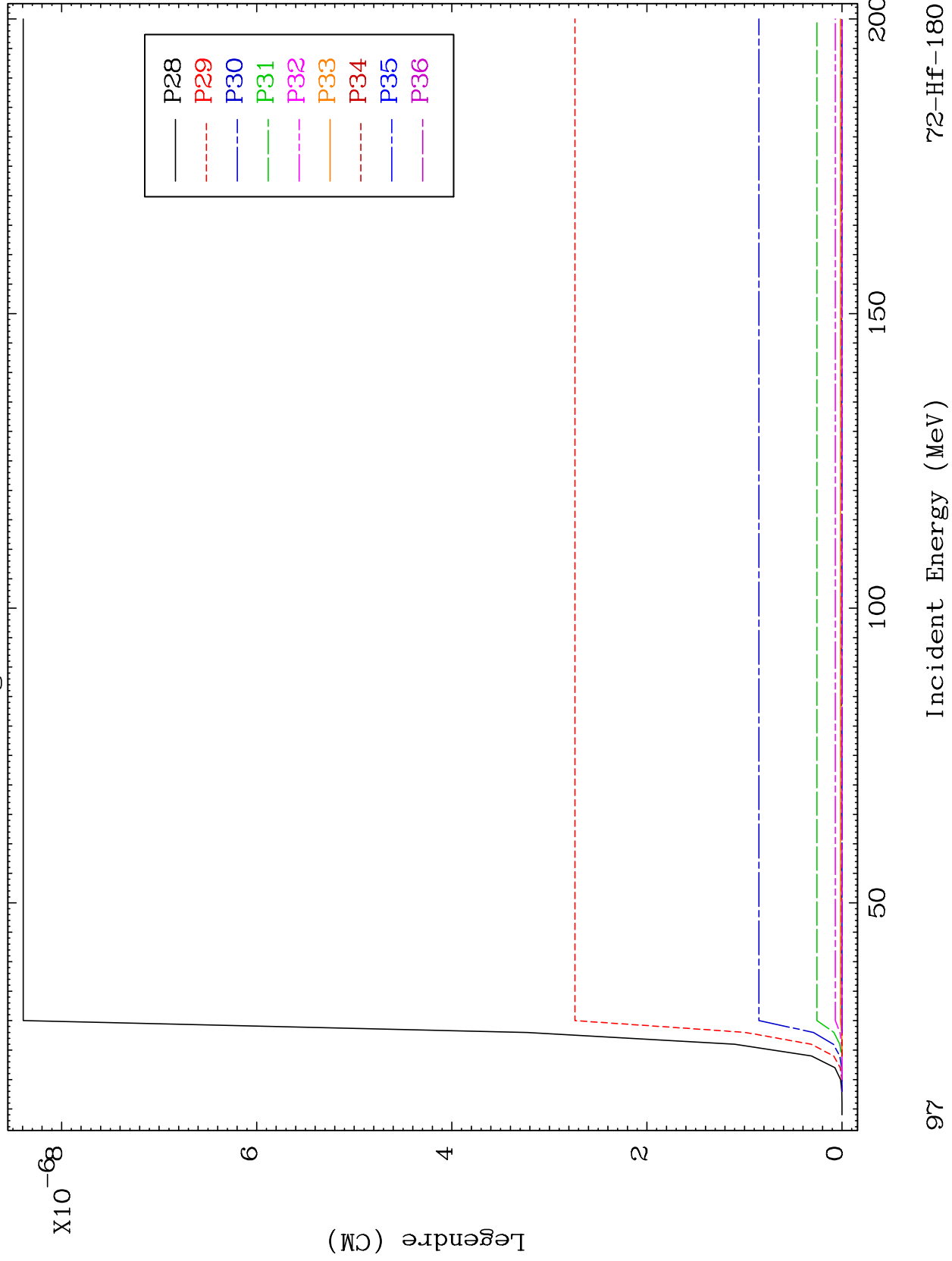
Incident Energy (MeV)

72-Hf-180

MAT 7243

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

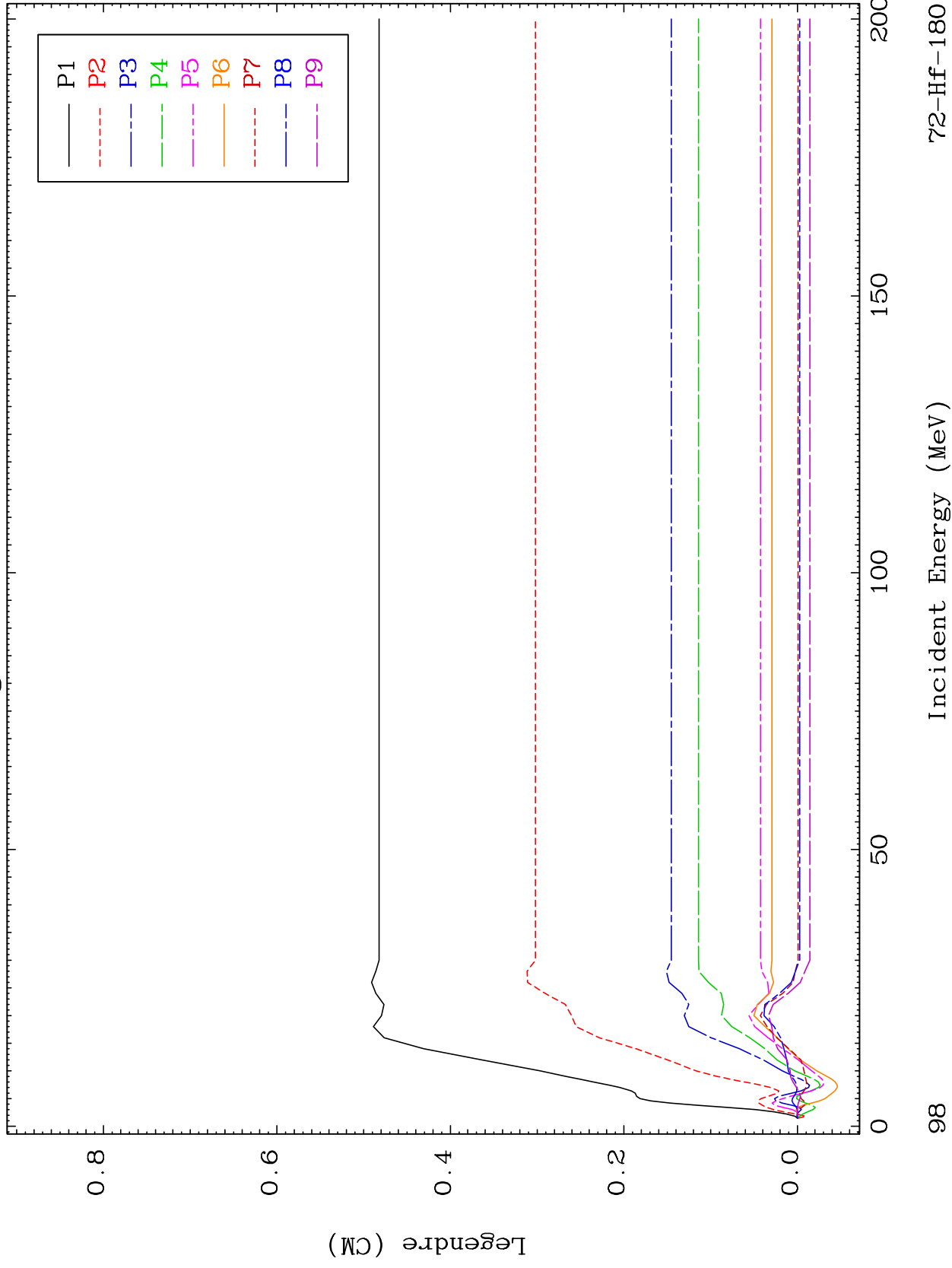
72-Hf-180



MAT 7243

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

72-Hf-180

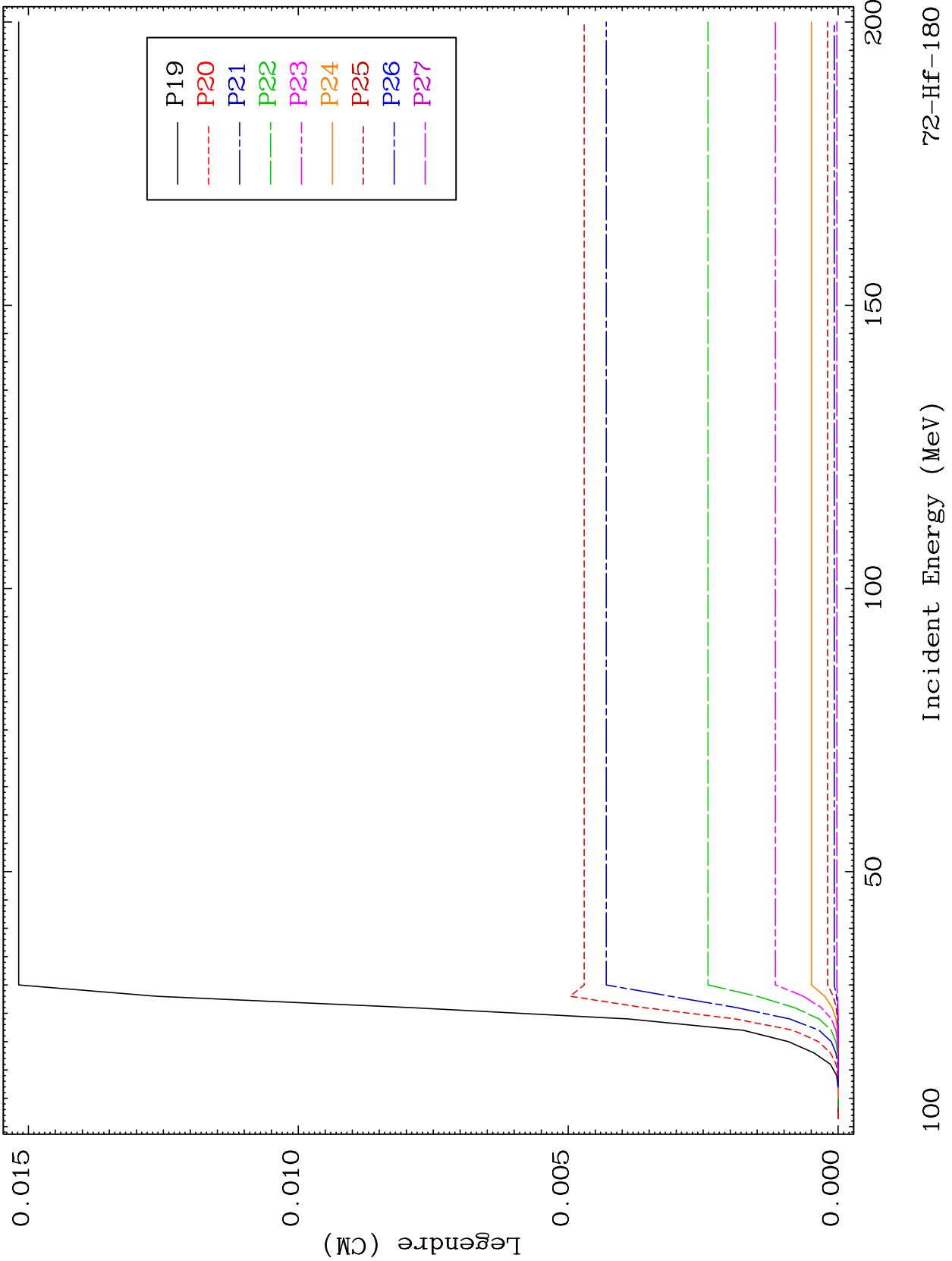




MAT 7243

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

72-Hf-180



100

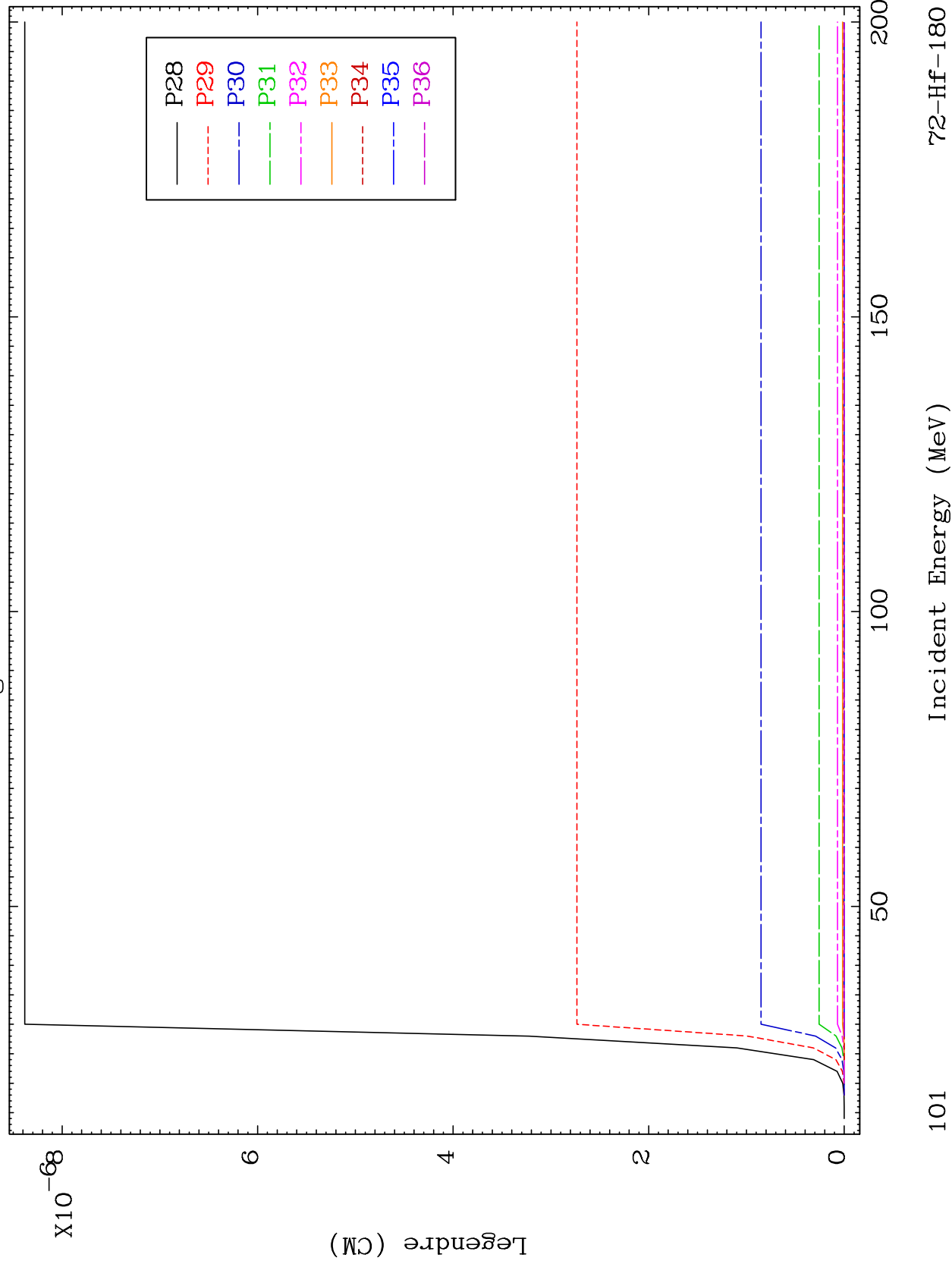
Incident Energy (MeV)

72-Hf-180

MAT 7243

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

72-Hf-180



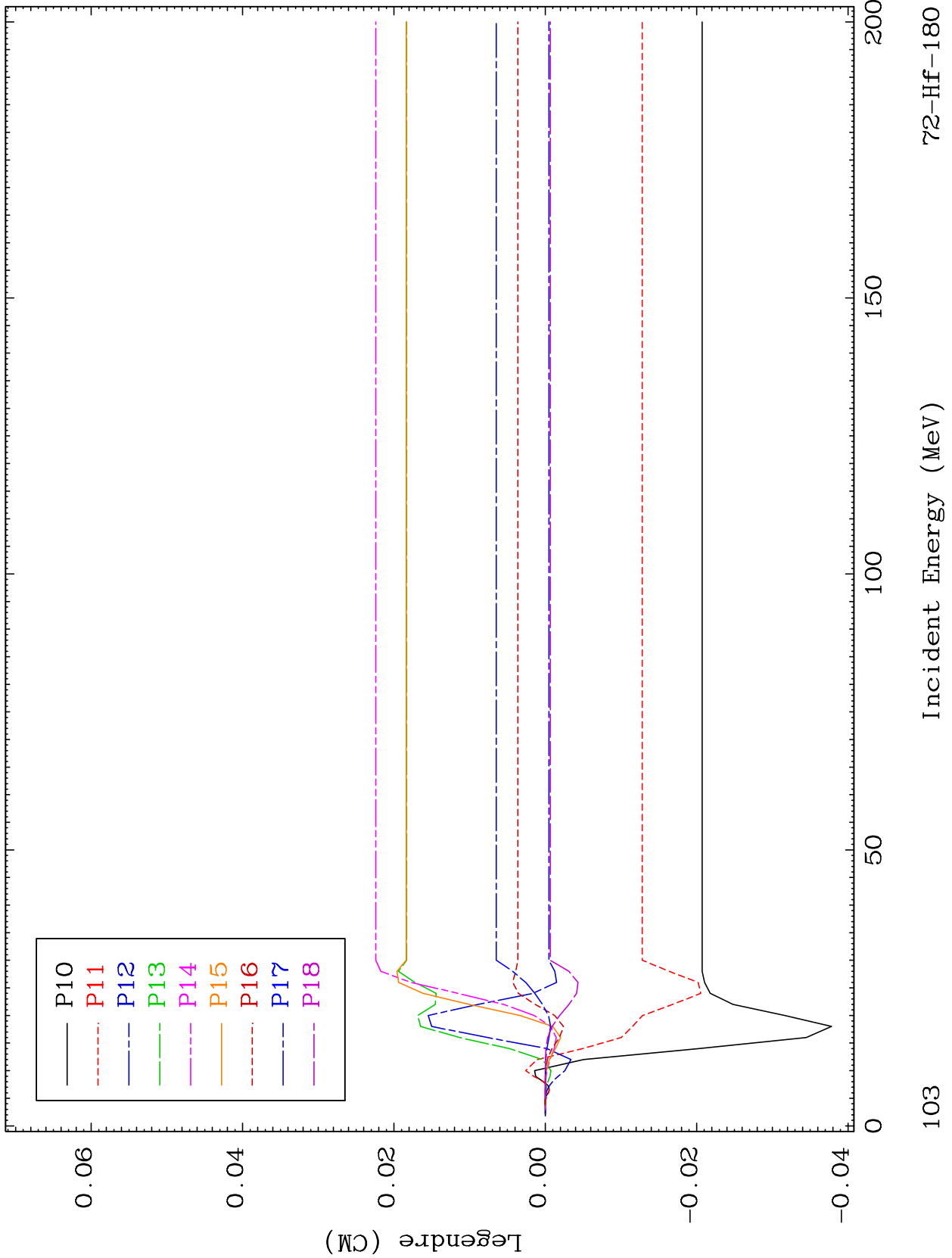
101



MAT 7243

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

72-Hf-180



103

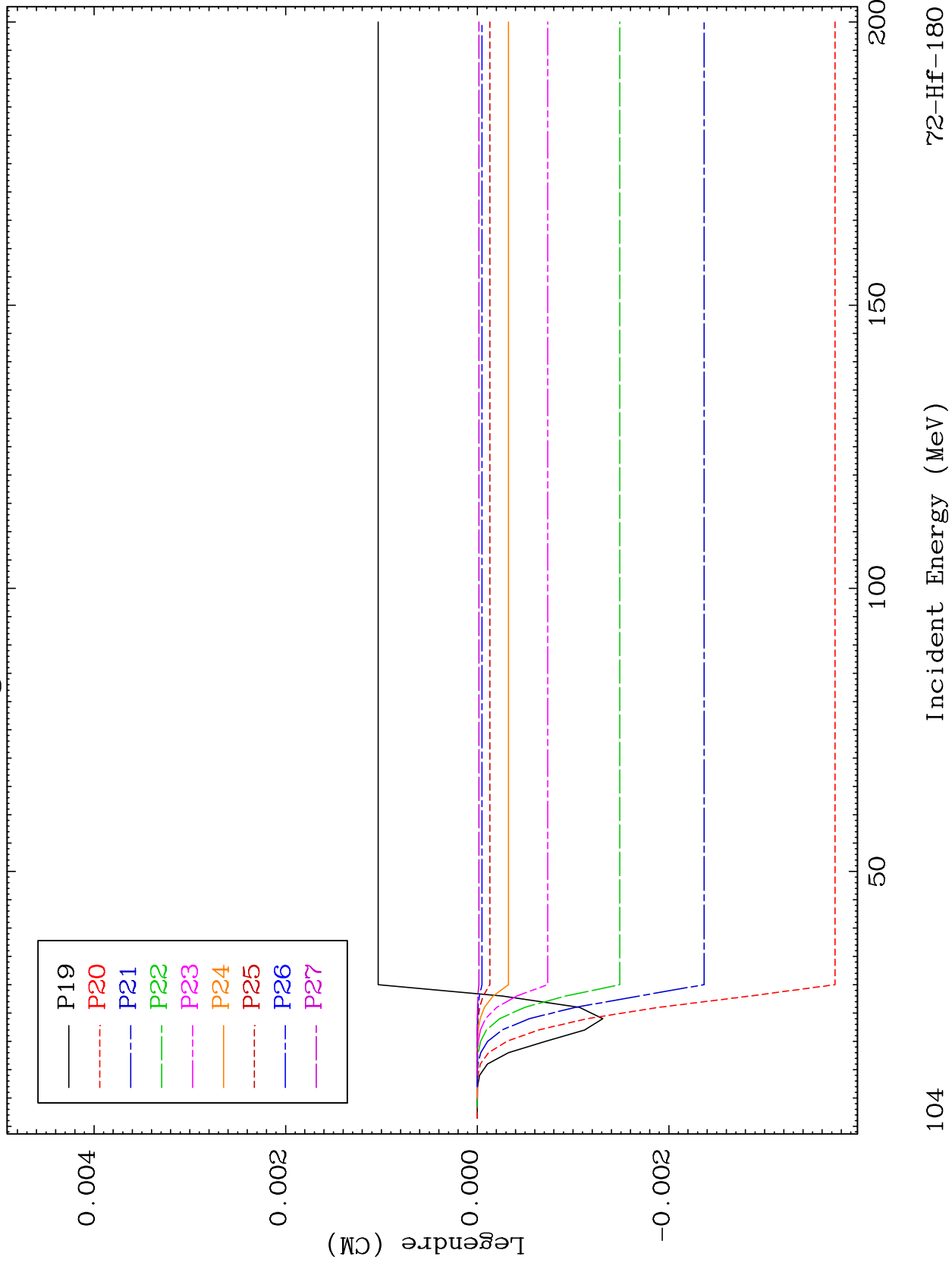
Incident Energy (MeV)

72-Hf-180

MAT 7243

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

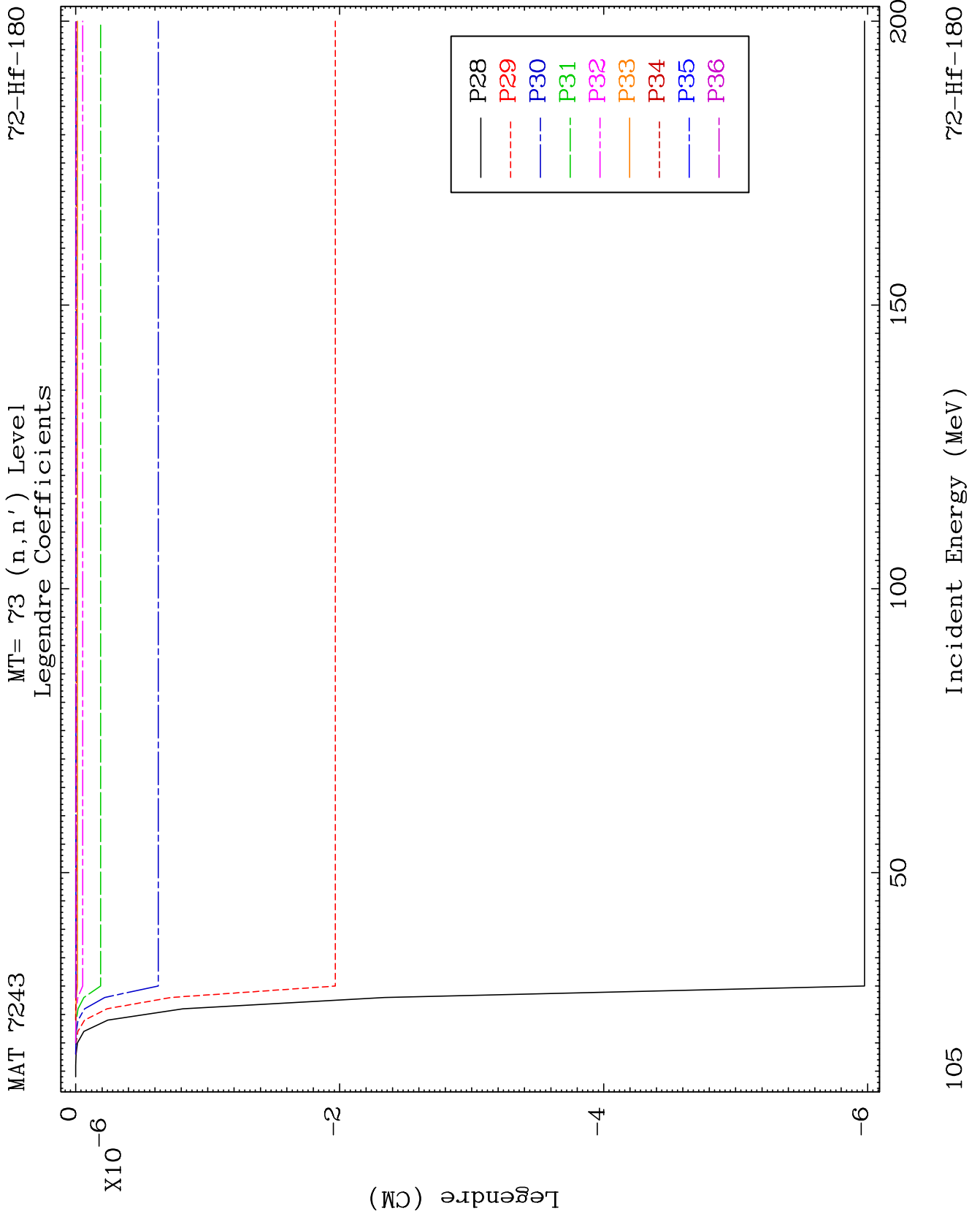
72-Hf-180



104

Incident Energy (MeV)

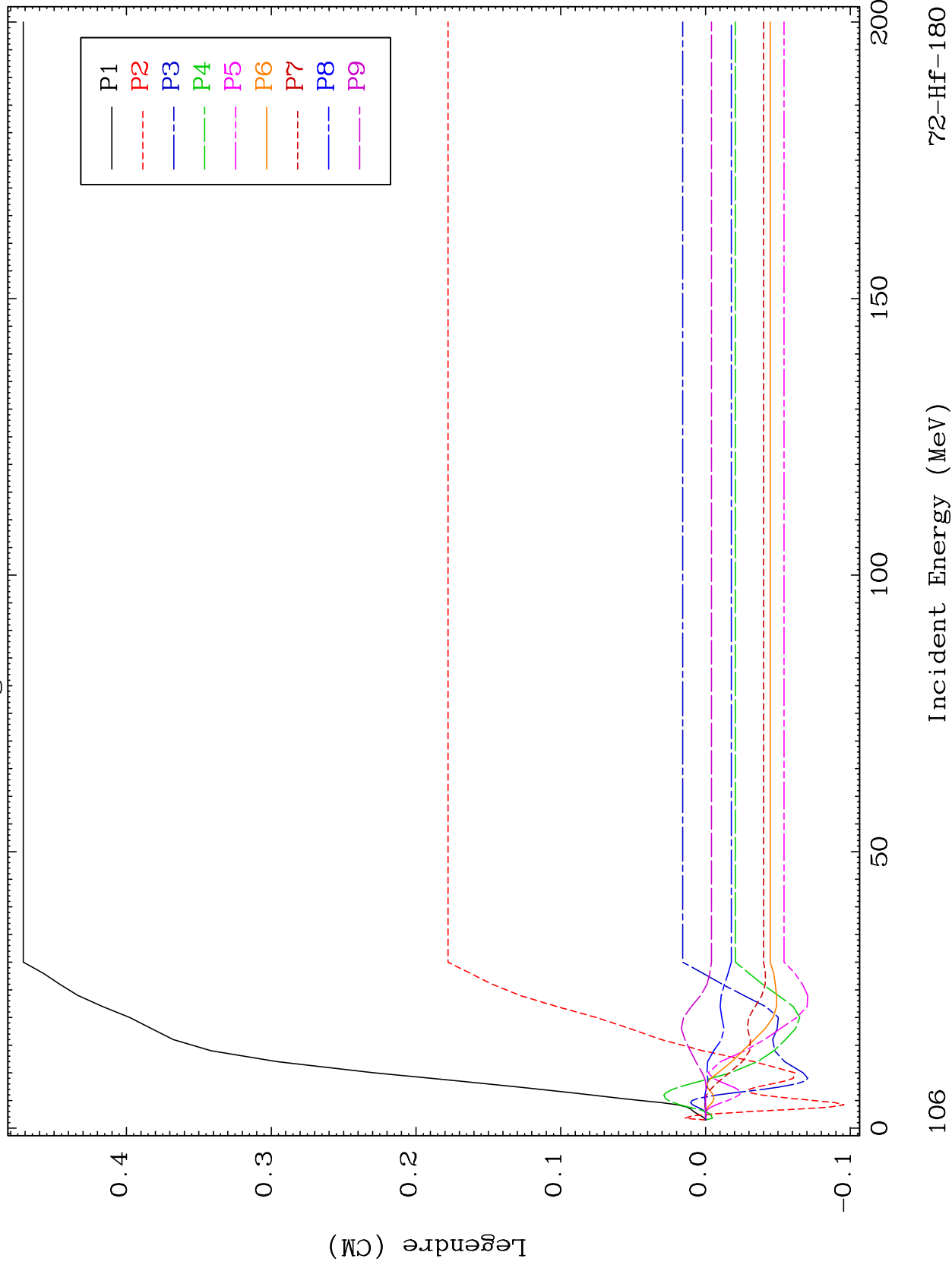
72-Hf-180



MAT 7243

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

72-Hf-180



72-Hf-180

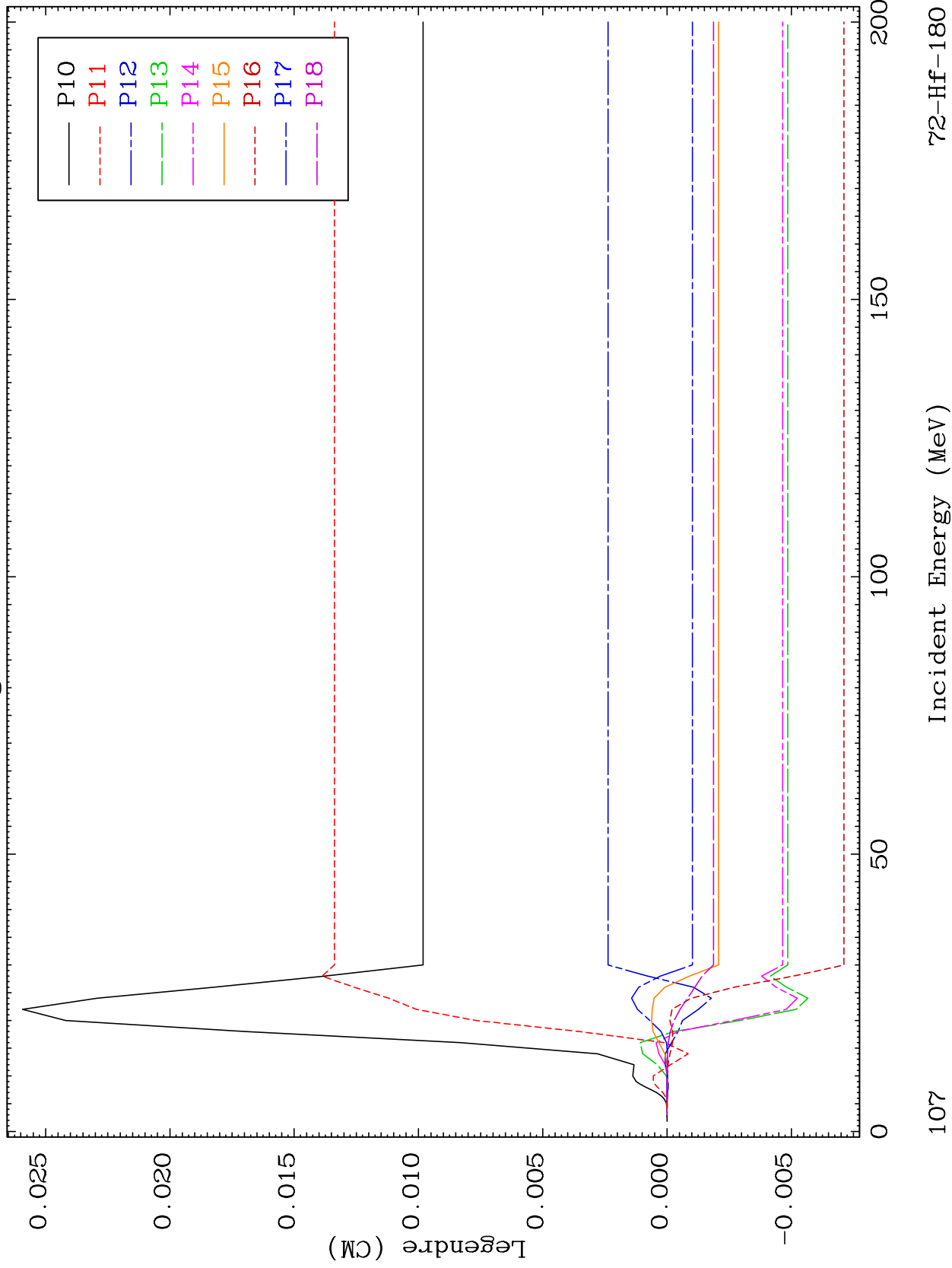
Incident Energy (MeV)

106

MAT 7243

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

72-Hf-180



107

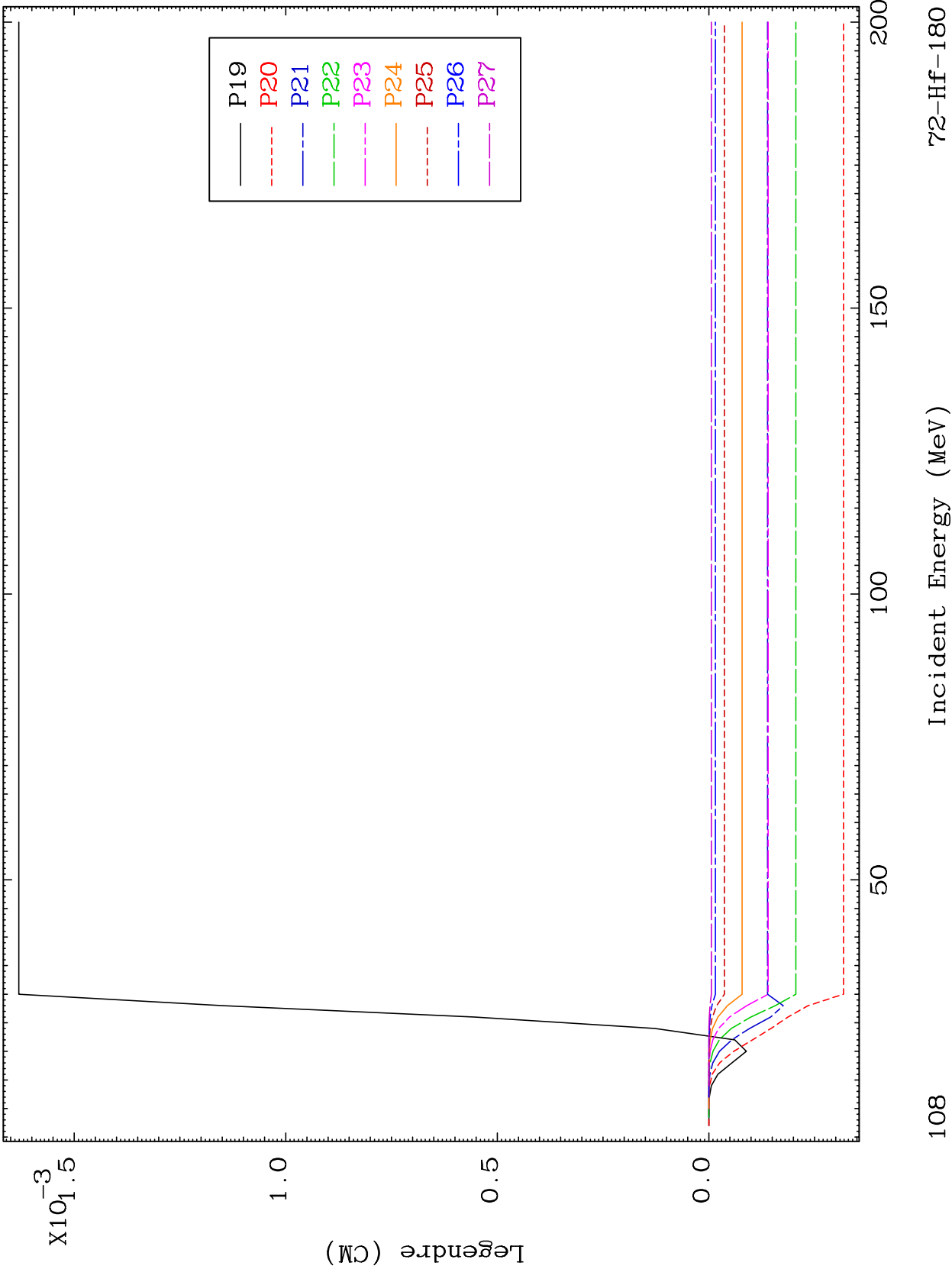
Incident Energy (MeV)

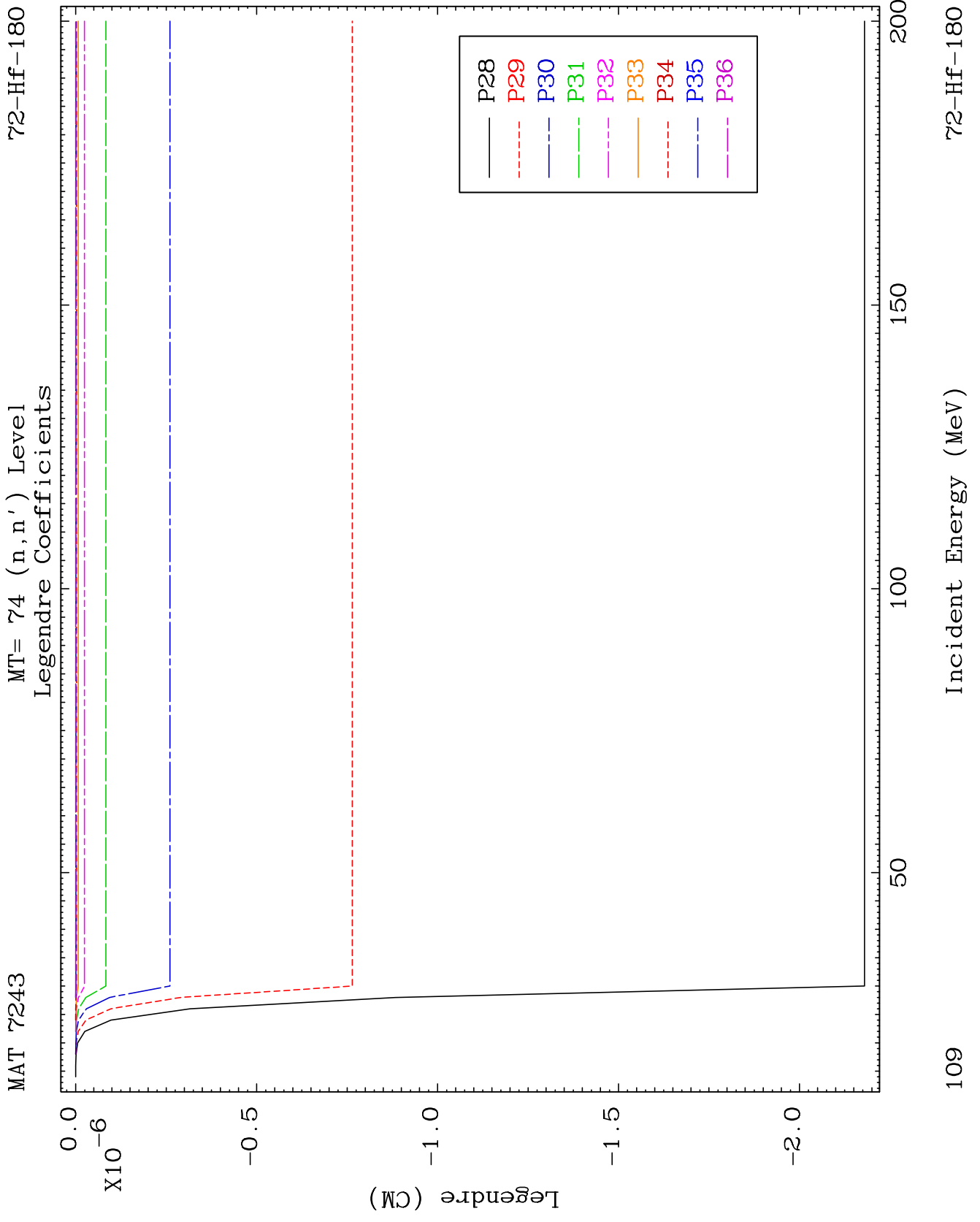
72-Hf-180

MAT 7243

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

72-Hf-180

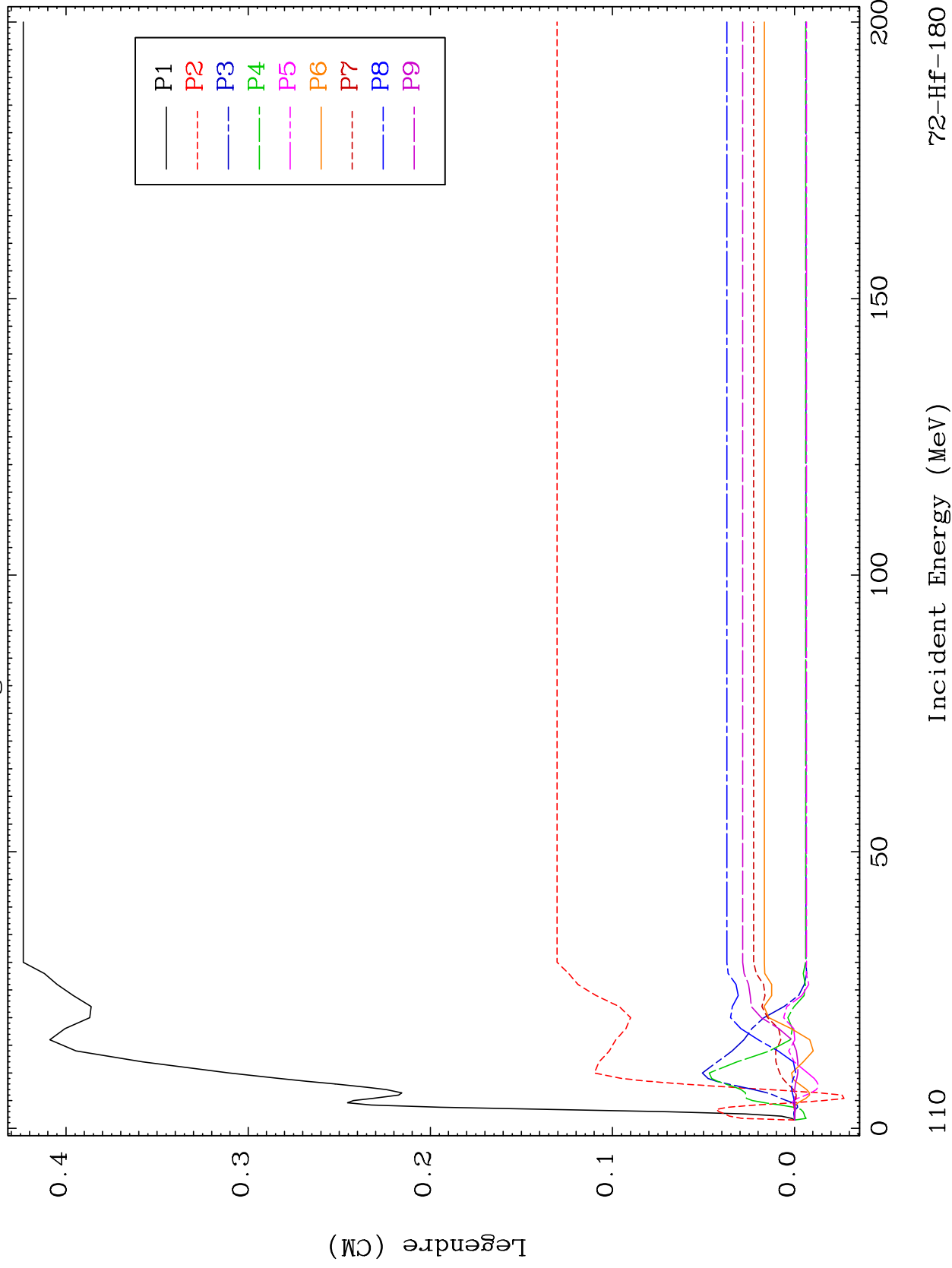




MAT 7243

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

72-Hf-180



72-Hf-180

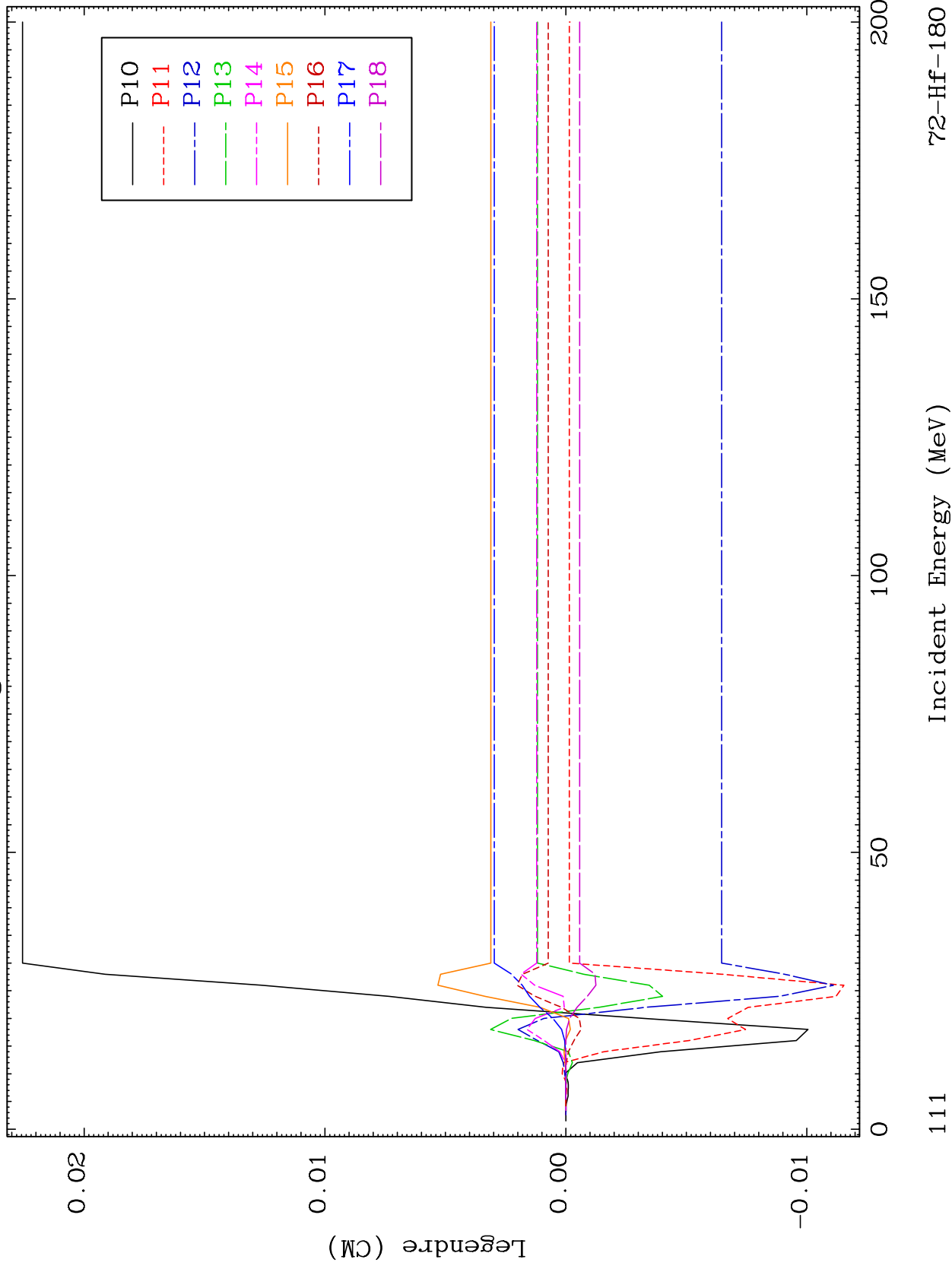
Incident Energy (MeV)

110

MAT 7243

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

72-Hf-180



111

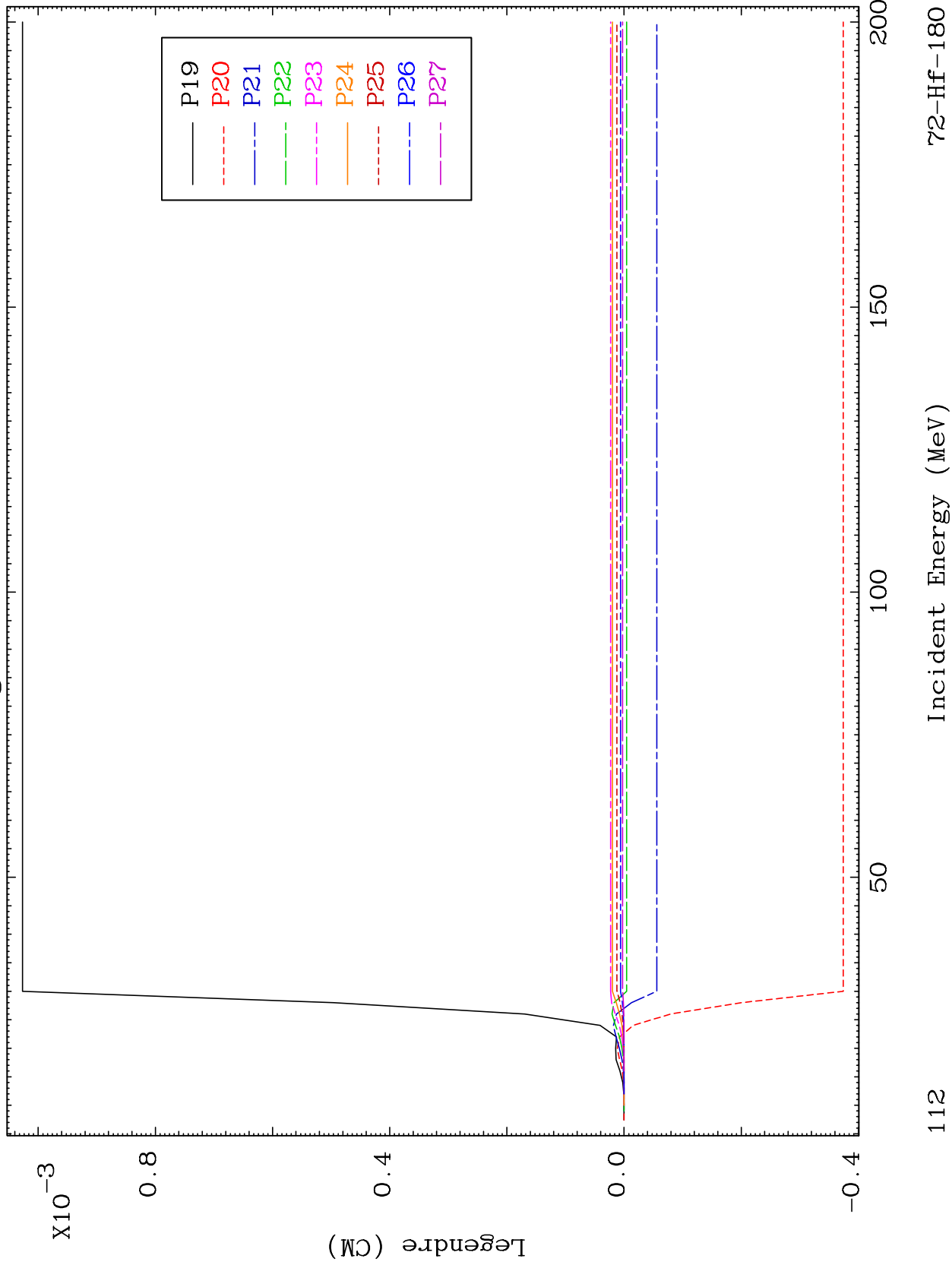
Incident Energy (MeV)

72-Hf-180

MAT 7243

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

72-Hf-180



112

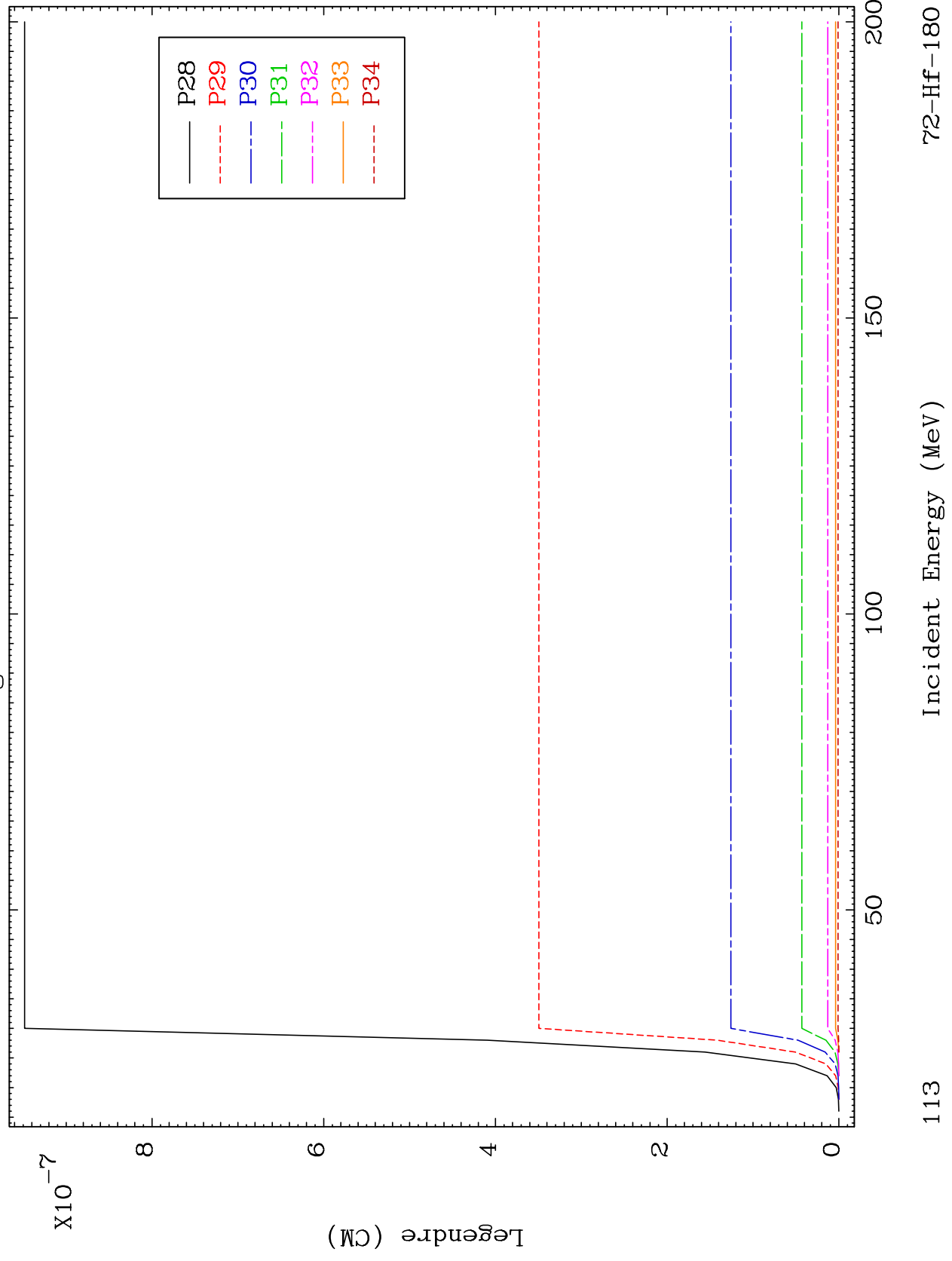
Incident Energy (MeV)

72-Hf-180

MAT 7243

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

72-Hf-180

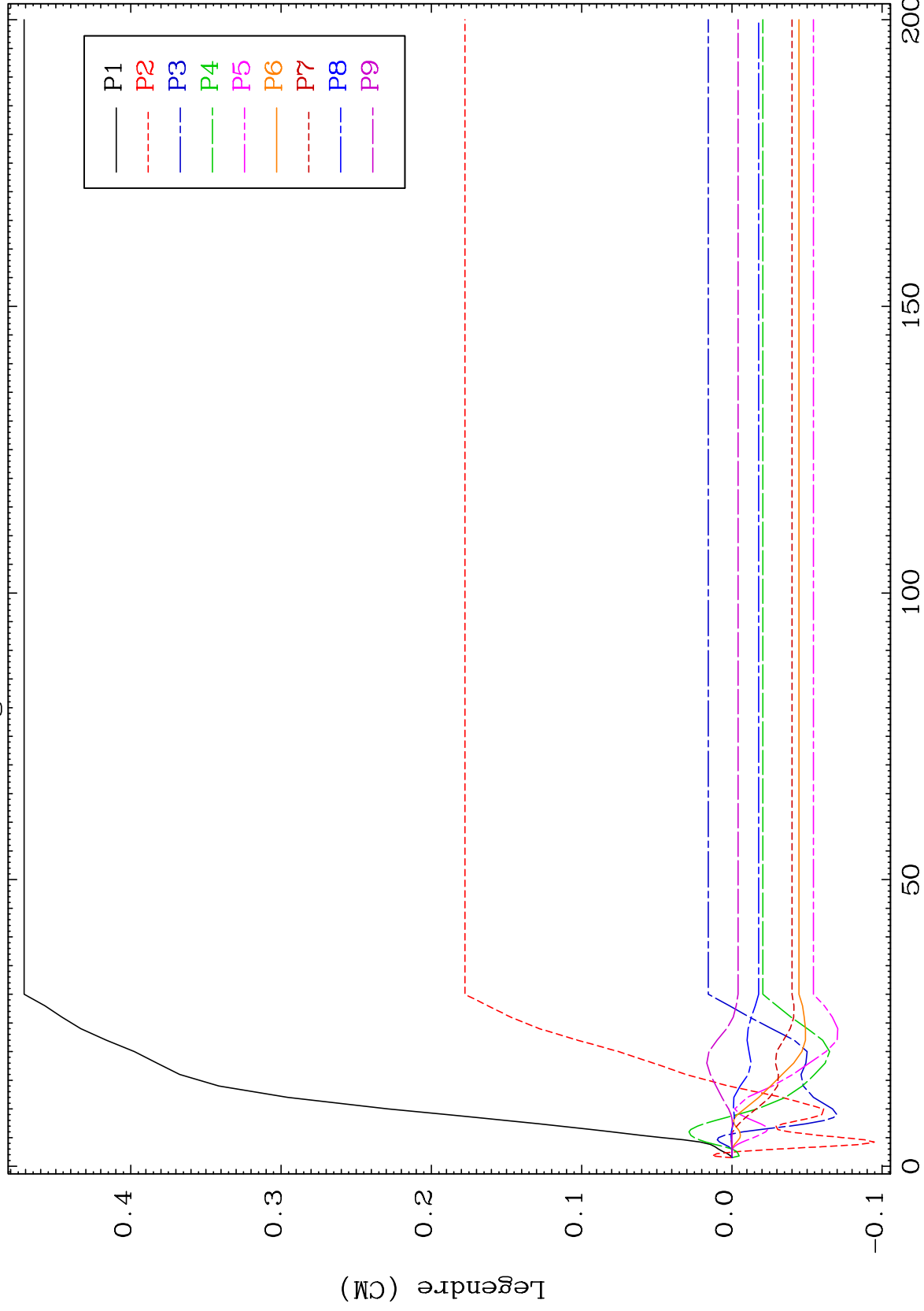


113

MAT 7243

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

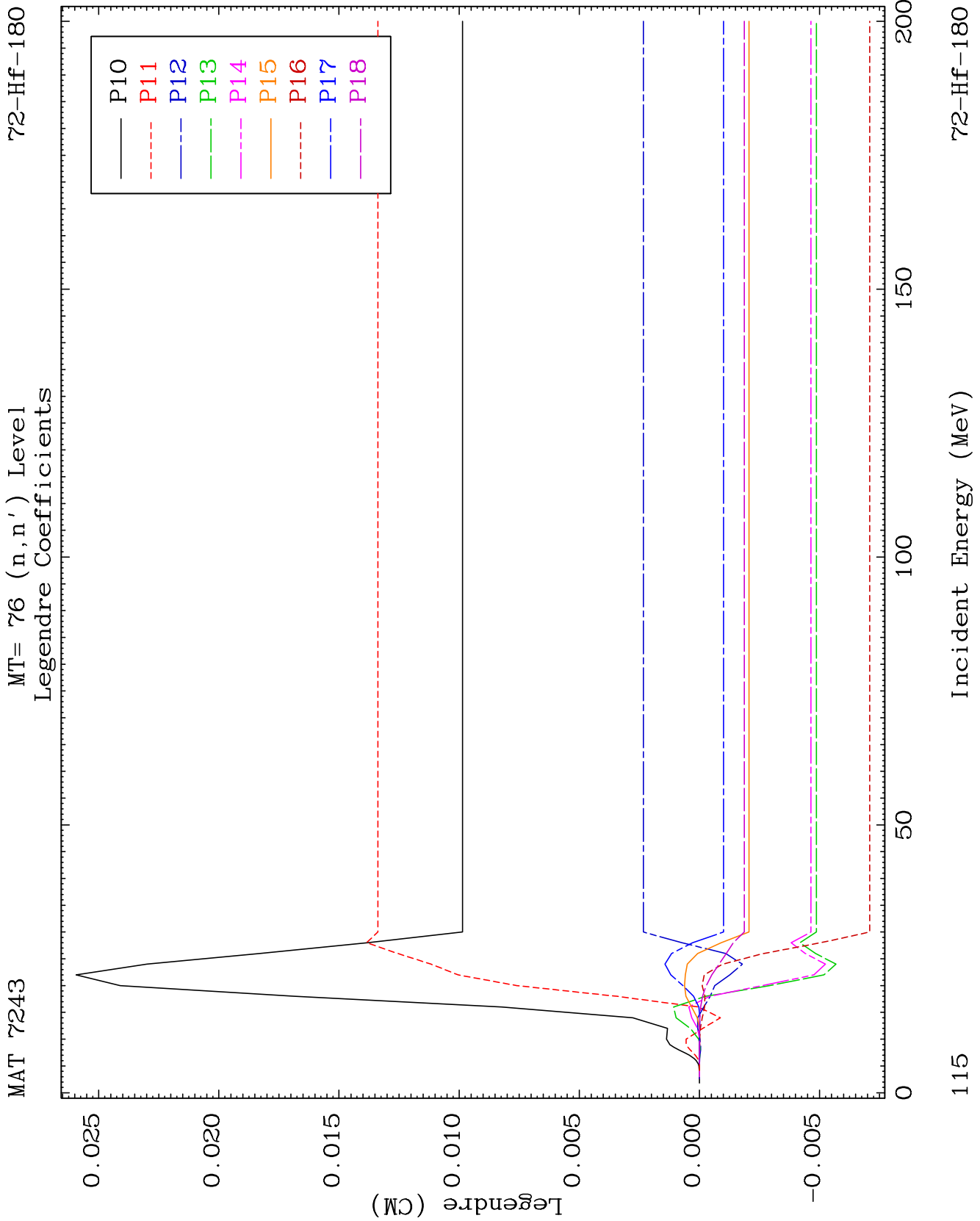
72-Hf-180



114

Incident Energy (MeV)

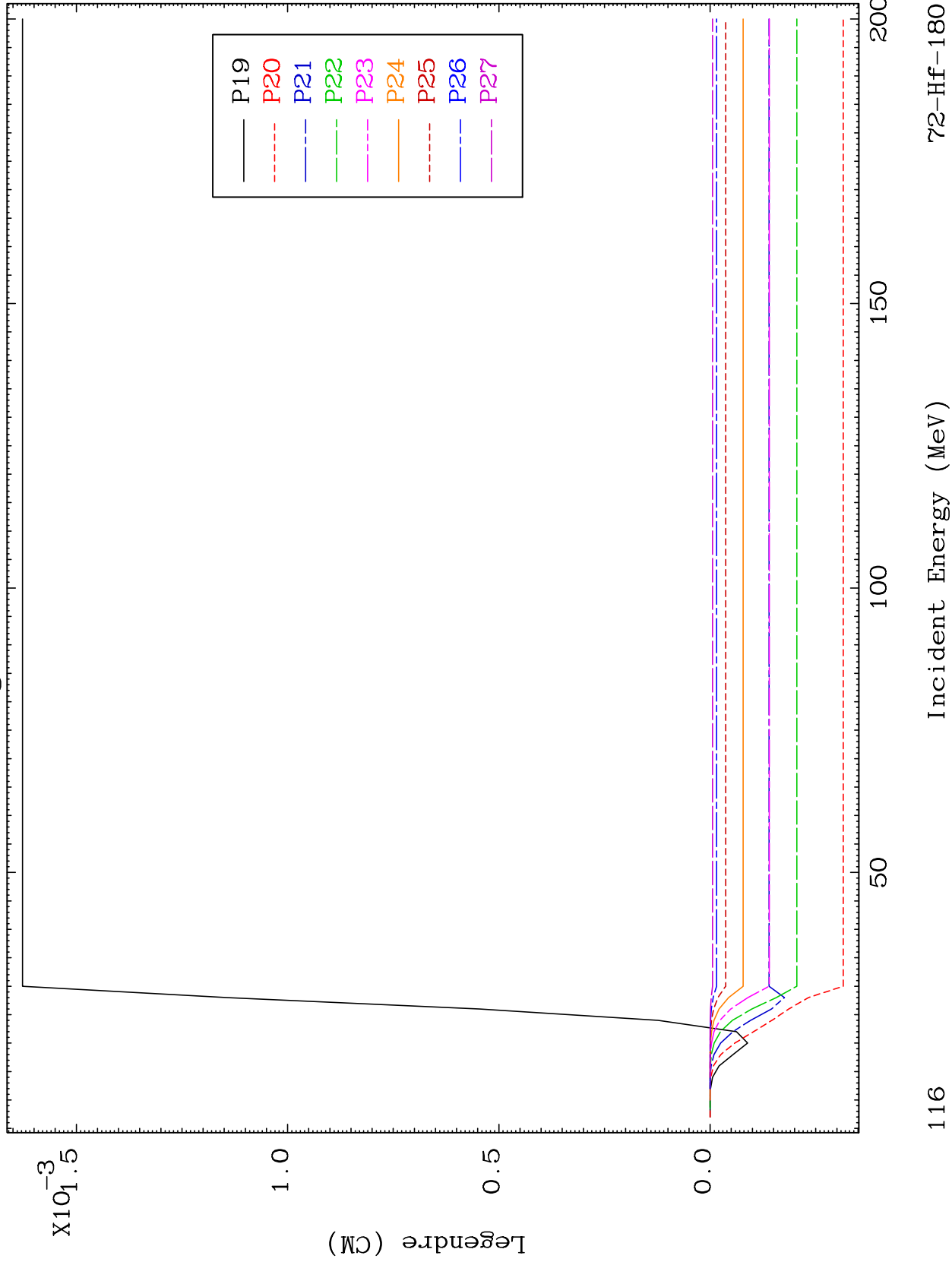
72-Hf-180



MAT 7243

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

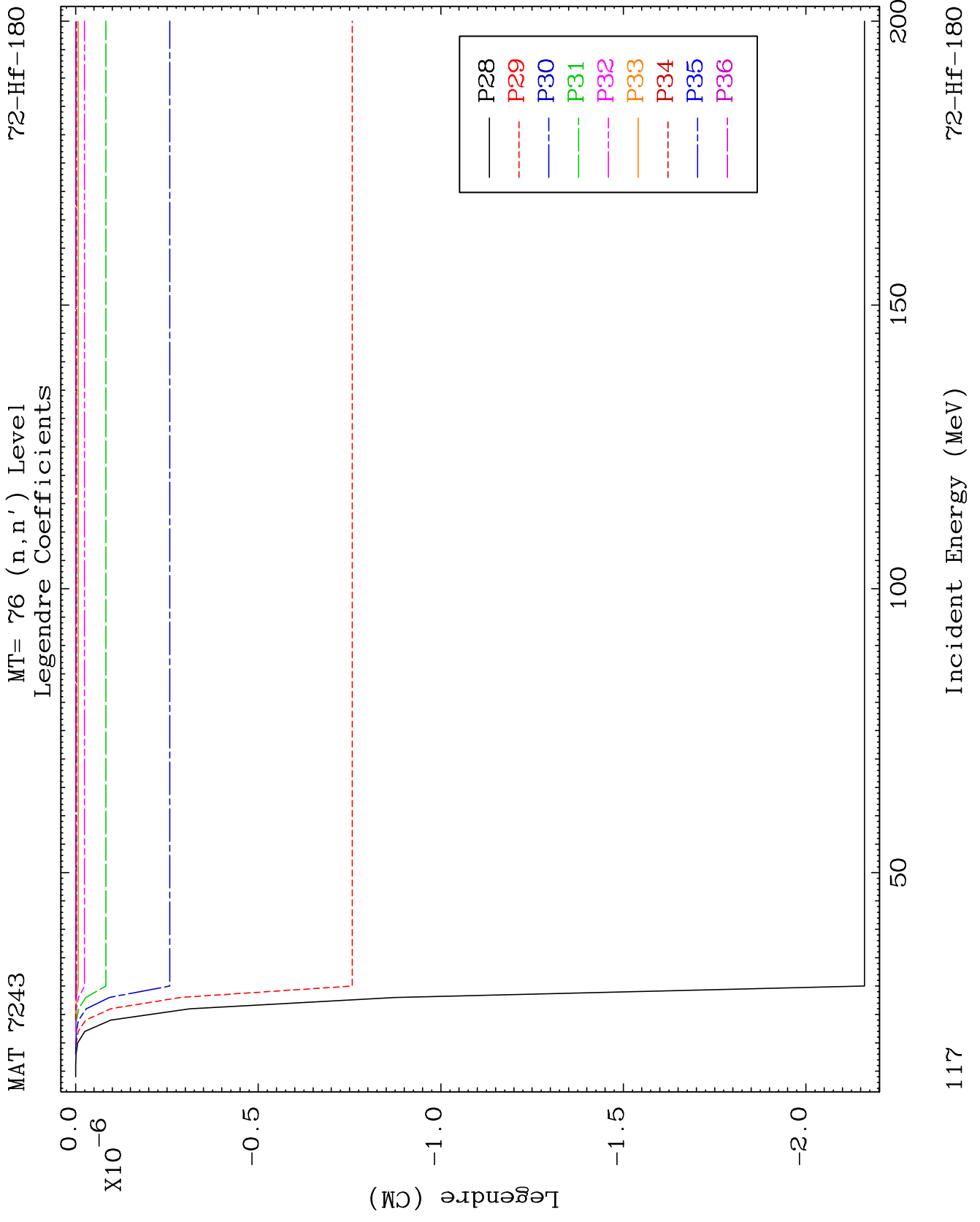
72-Hf-180



116

Incident Energy (MeV)

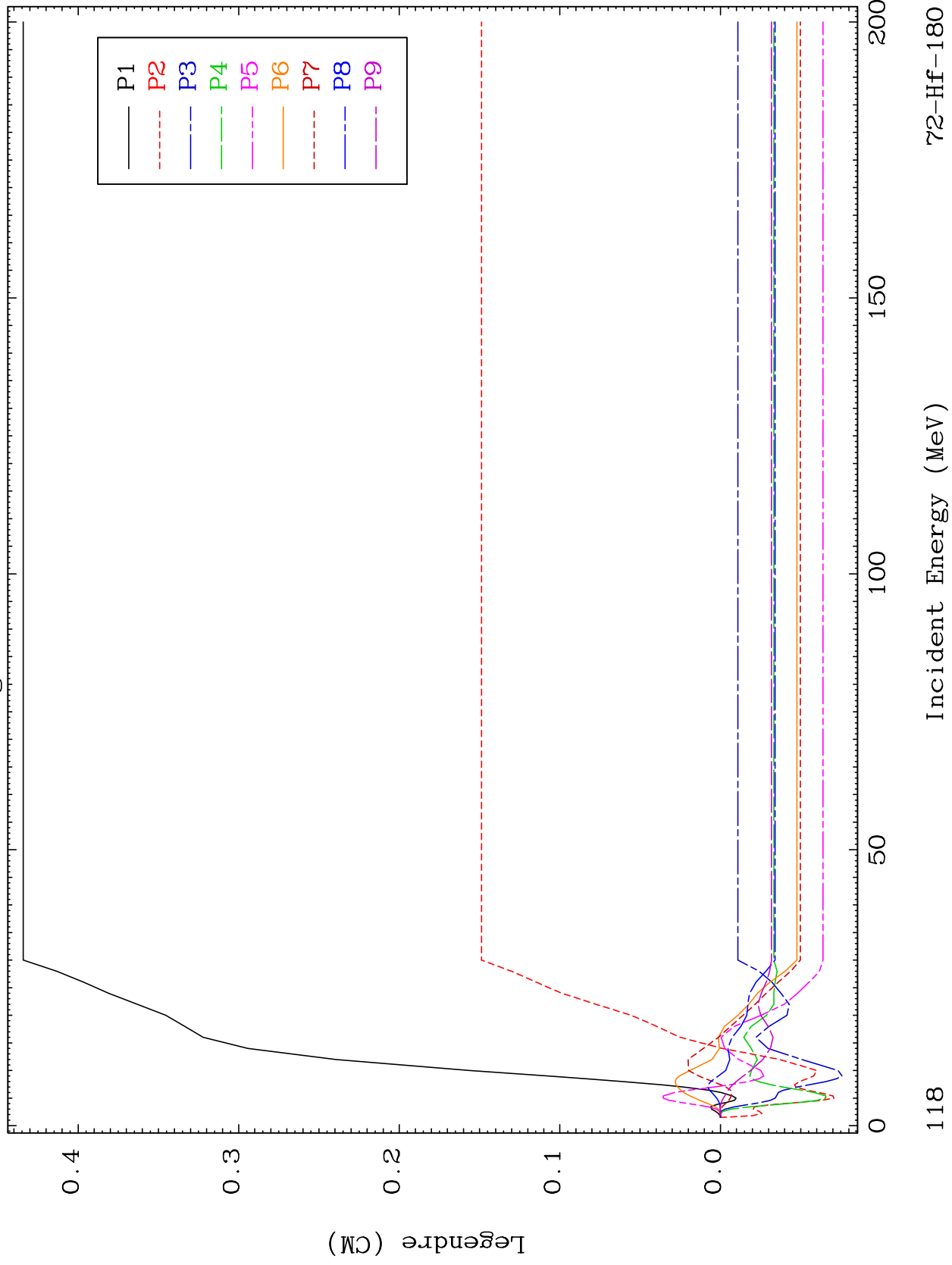
72-Hf-180



MAT 7243

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

72-Hf-180



72-Hf-180

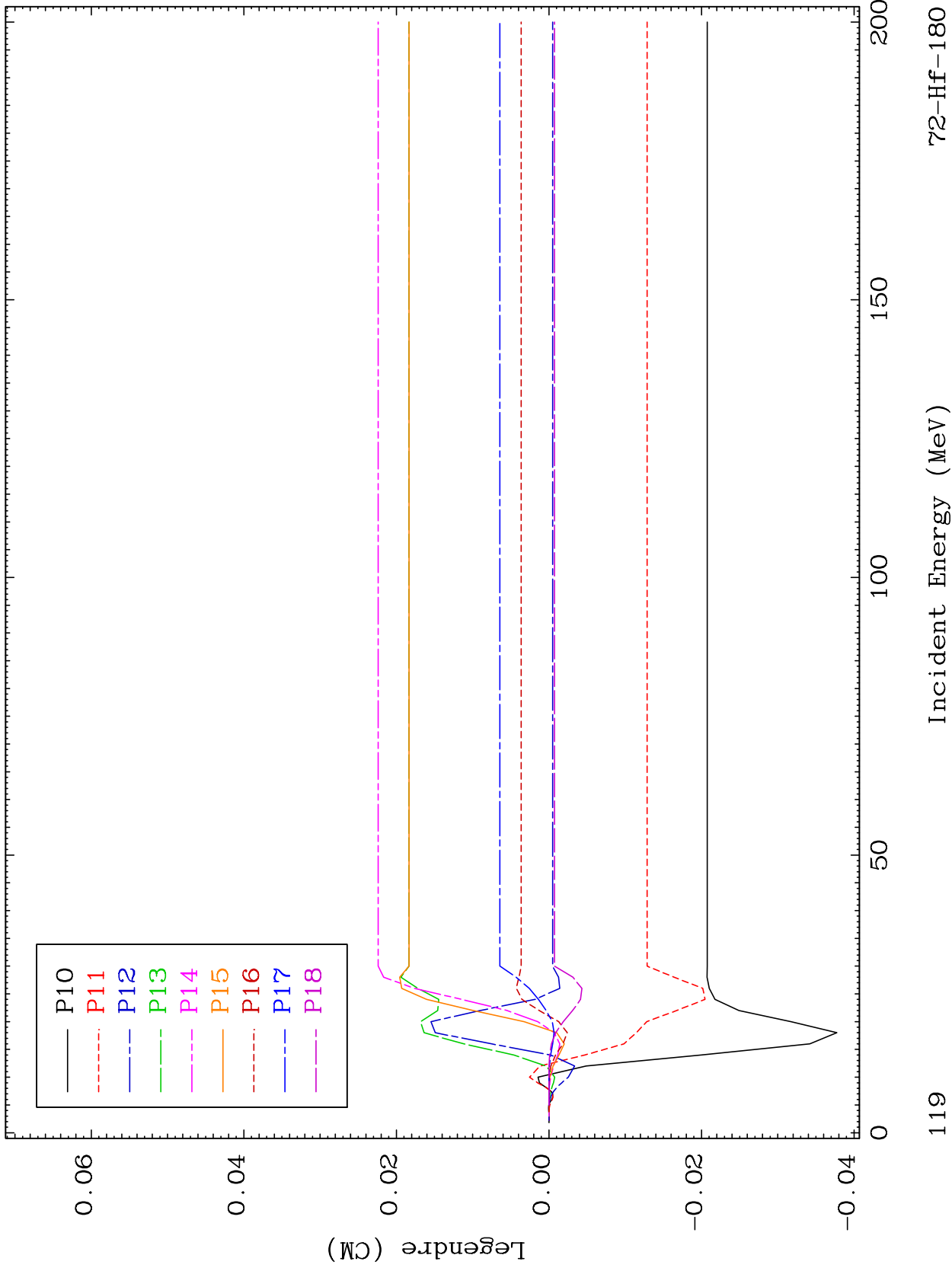
Incident Energy (MeV)

118

MAT 7243

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

72-Hf-180



119

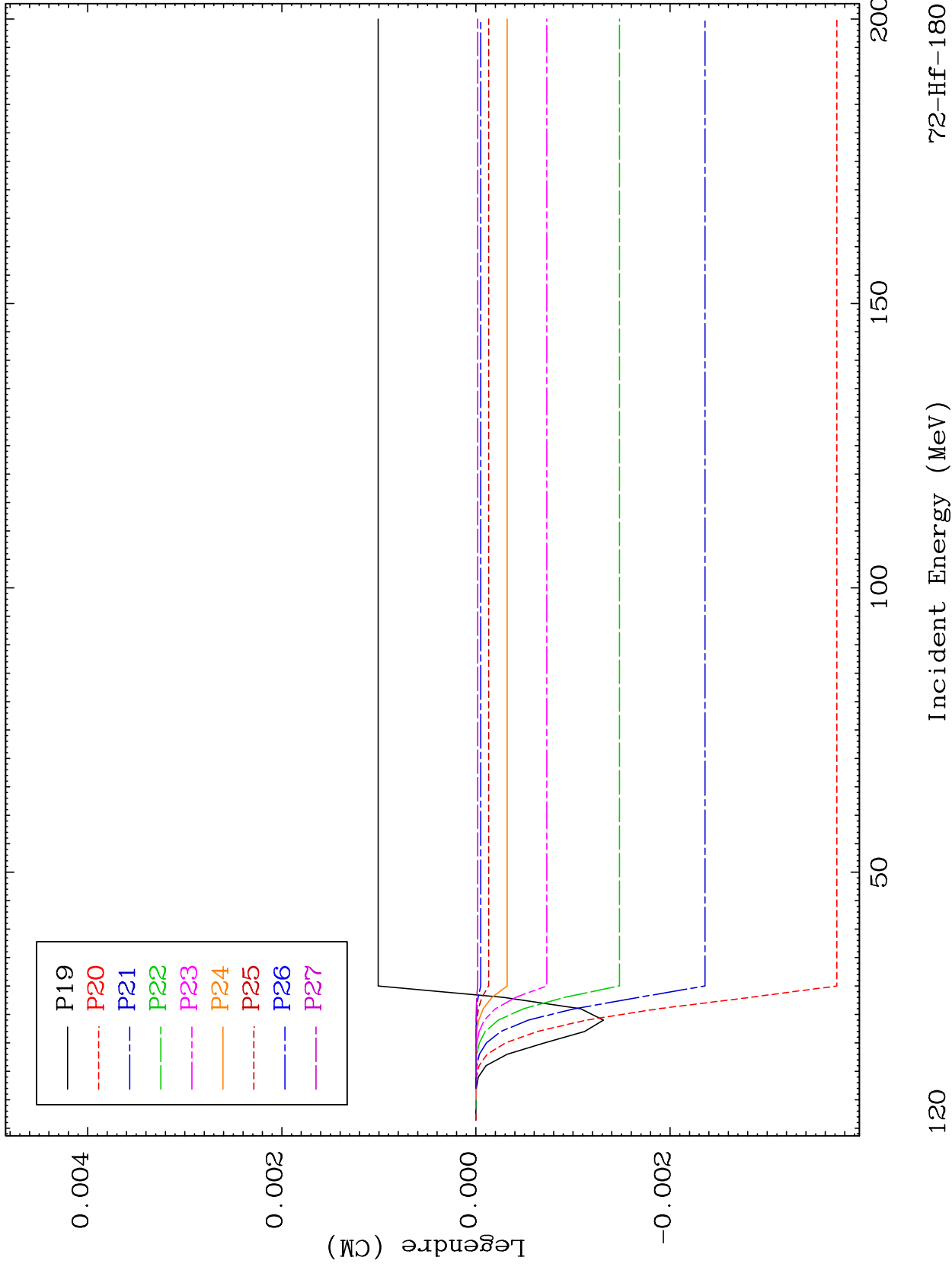
Incident Energy (MeV)

72-Hf-180

MAT 7243

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

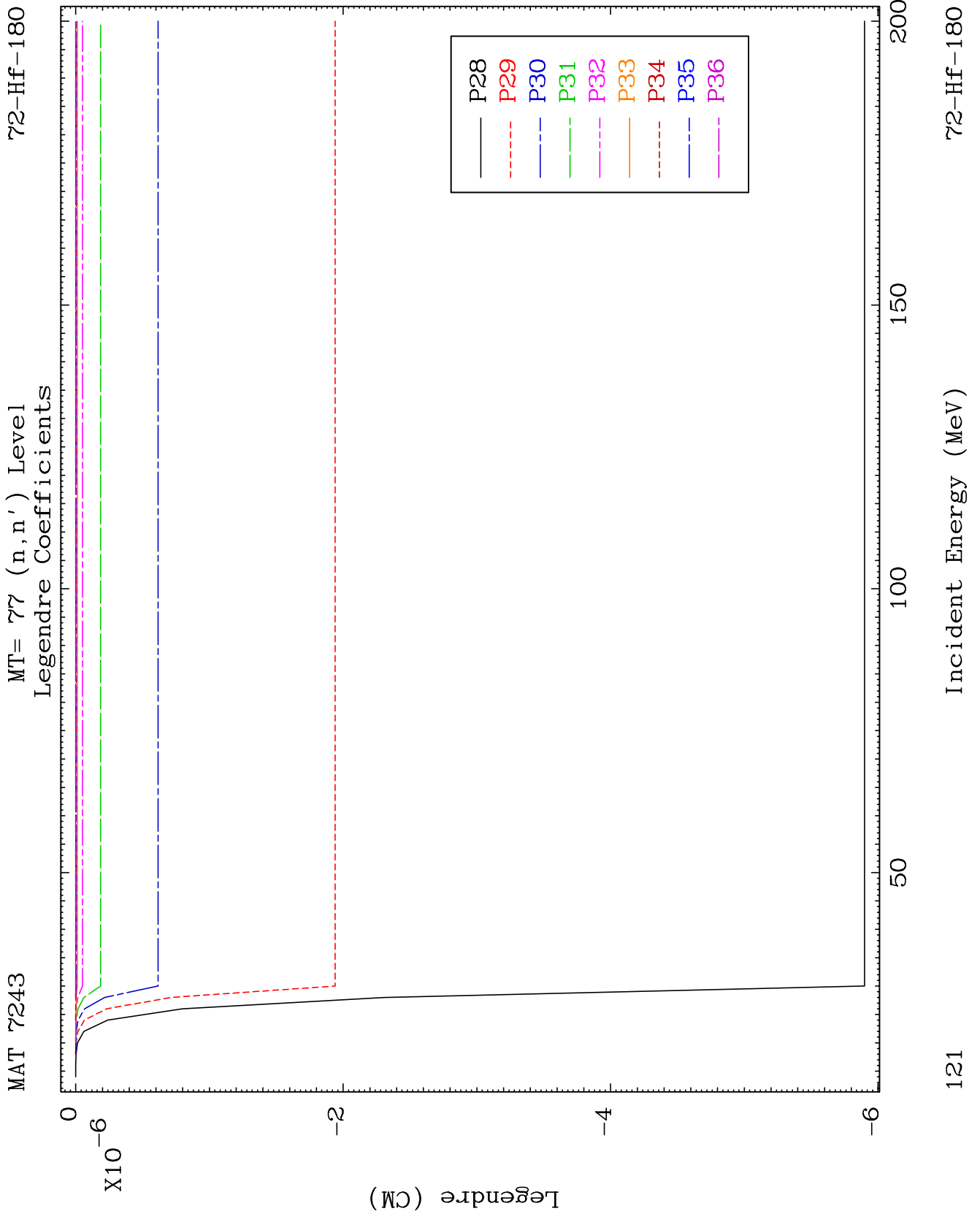
72-Hf-180

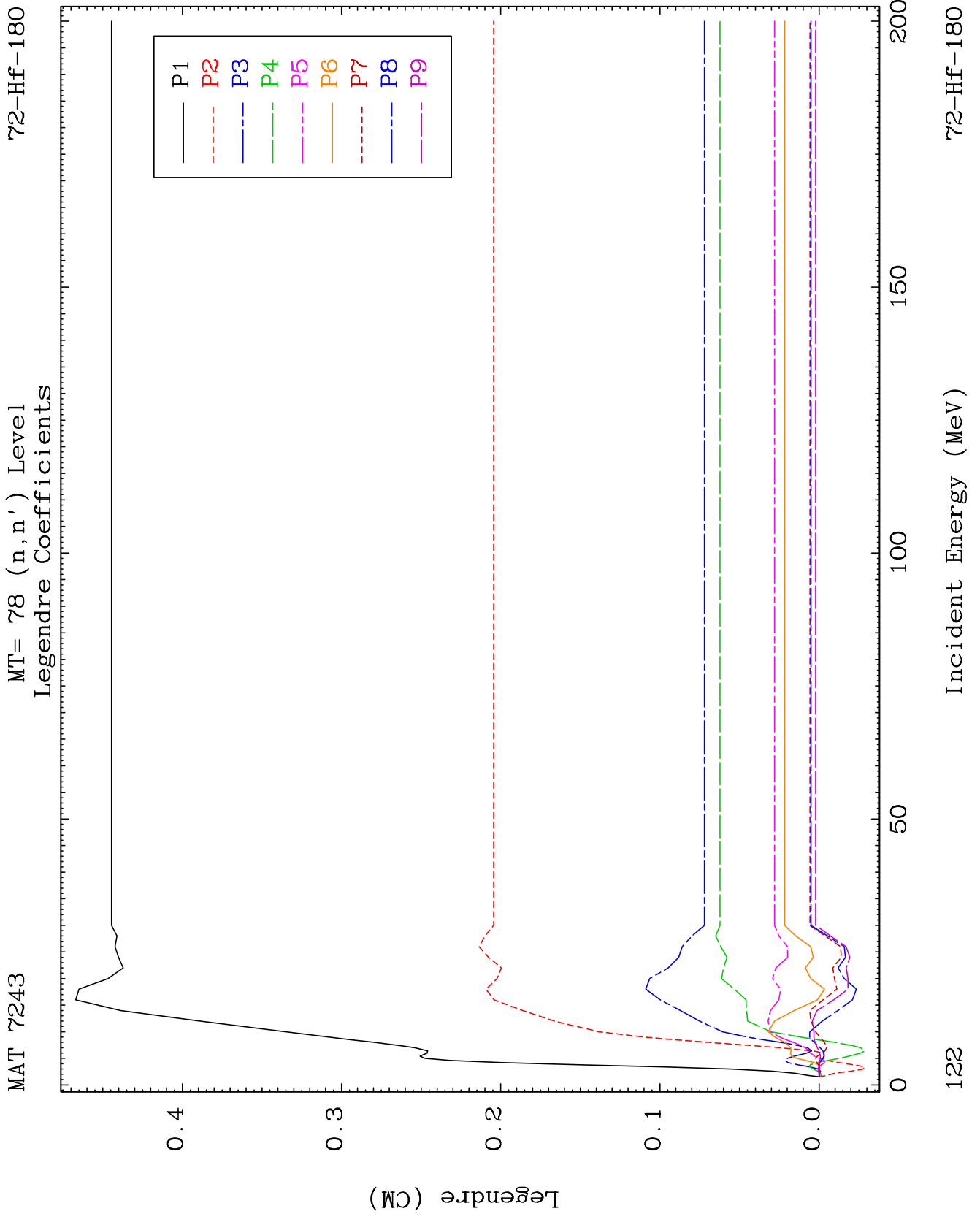


120

Incident Energy (MeV)

72-Hf-180

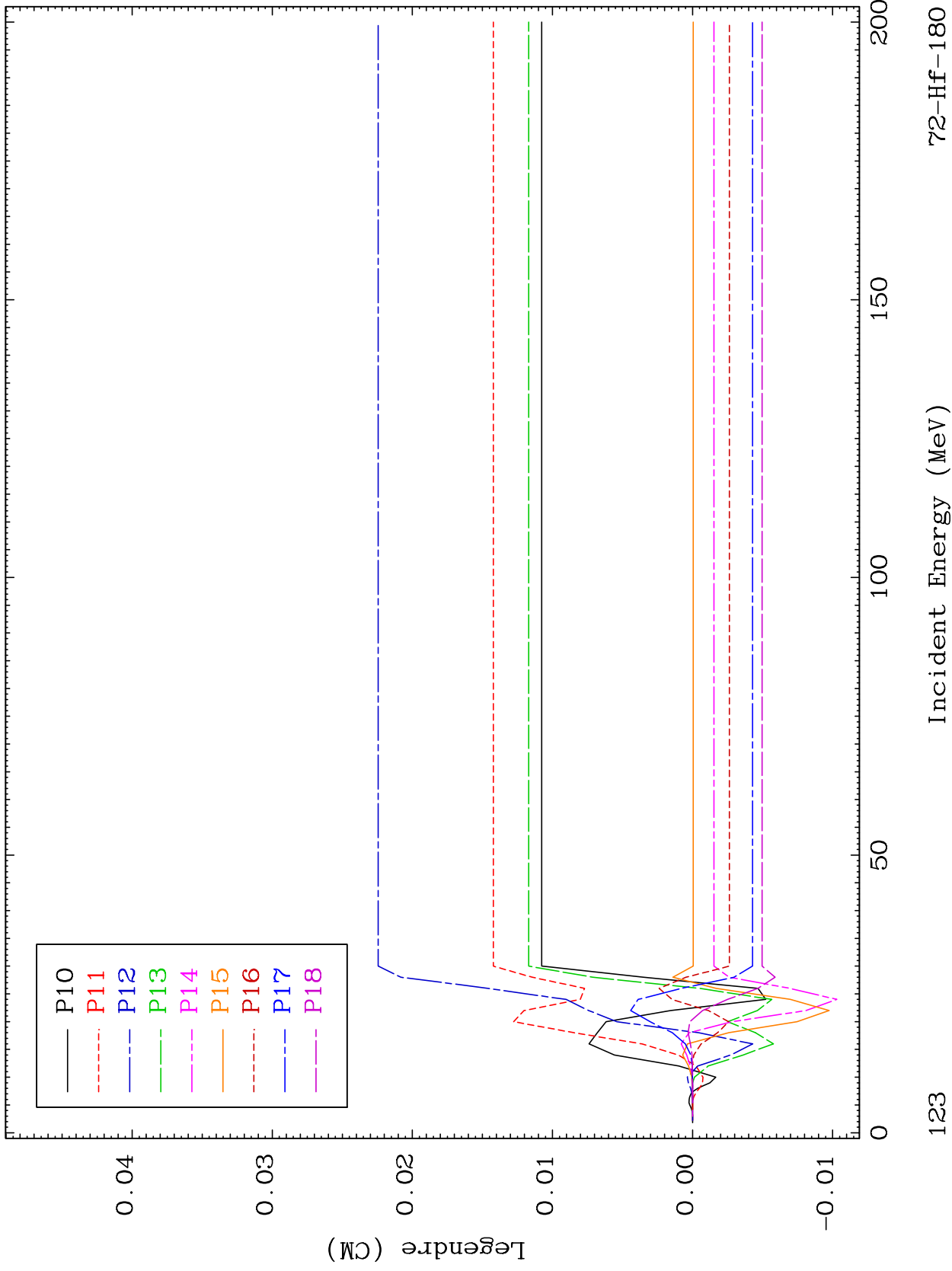




MAT 7243

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

72-Hf-180



123

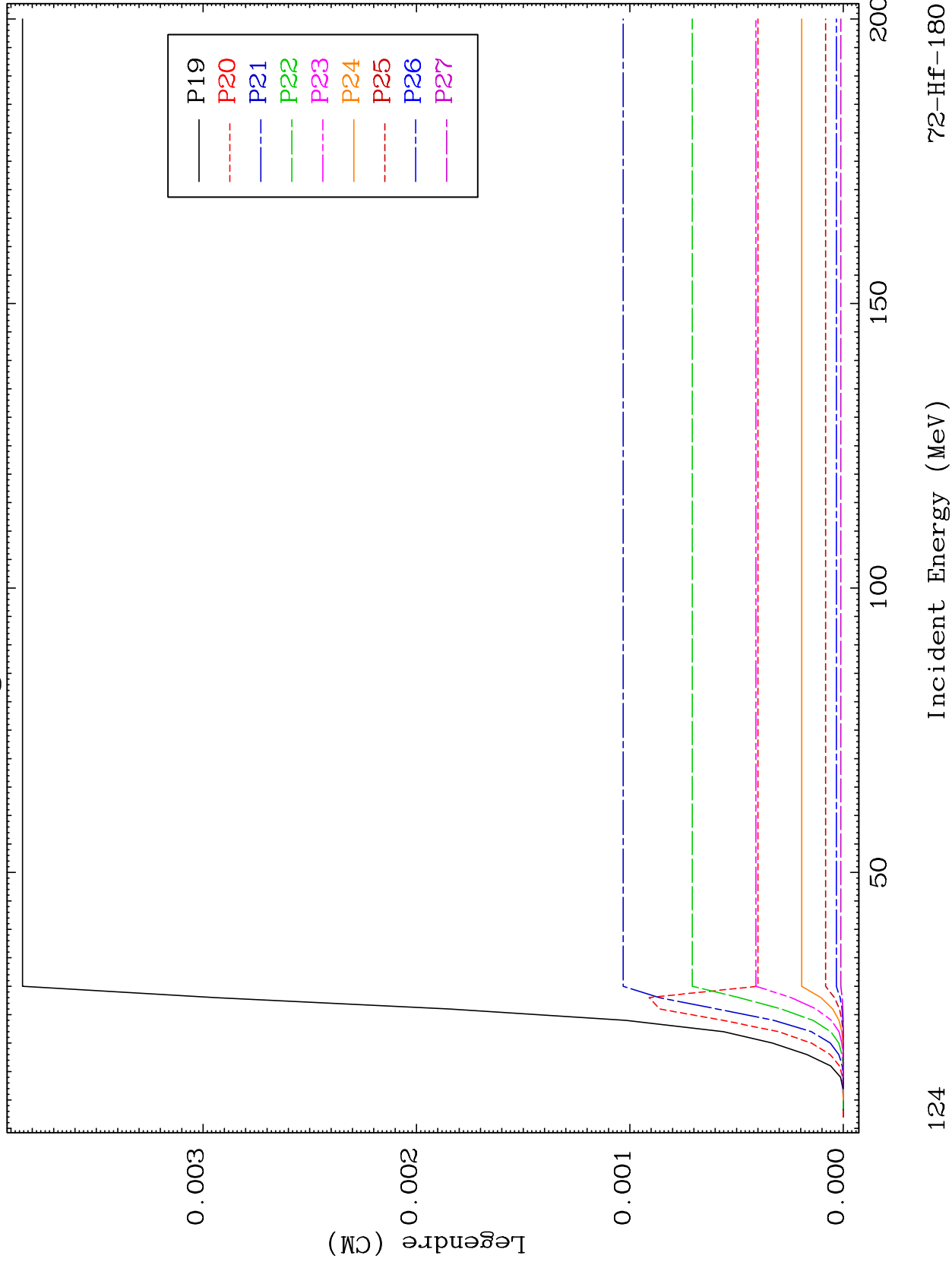
Incident Energy (MeV)

72-Hf-180

MAT 7243

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

72-Hf-180



124

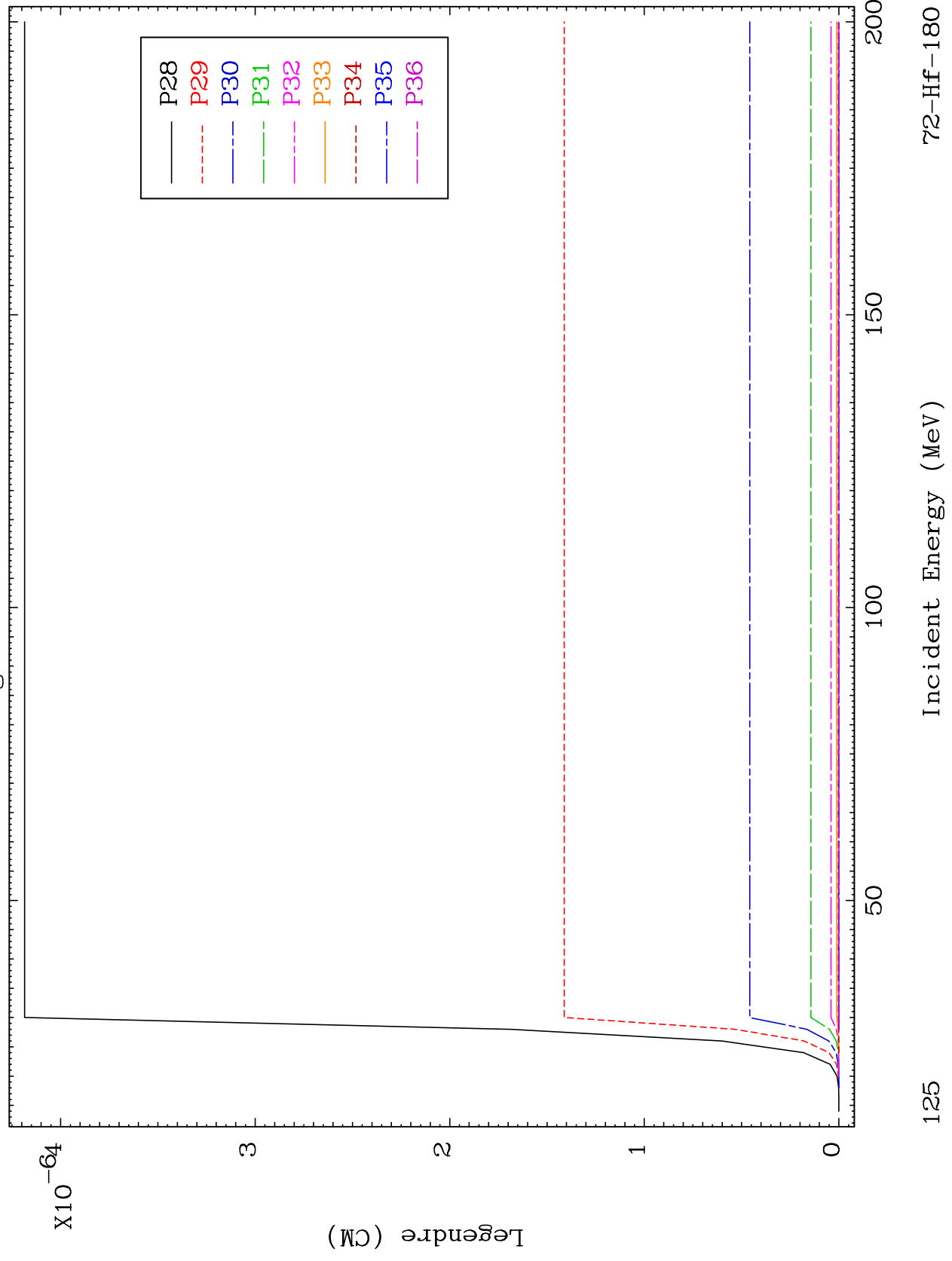
Incident Energy (MeV)

72-Hf-180

MAT 7243

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

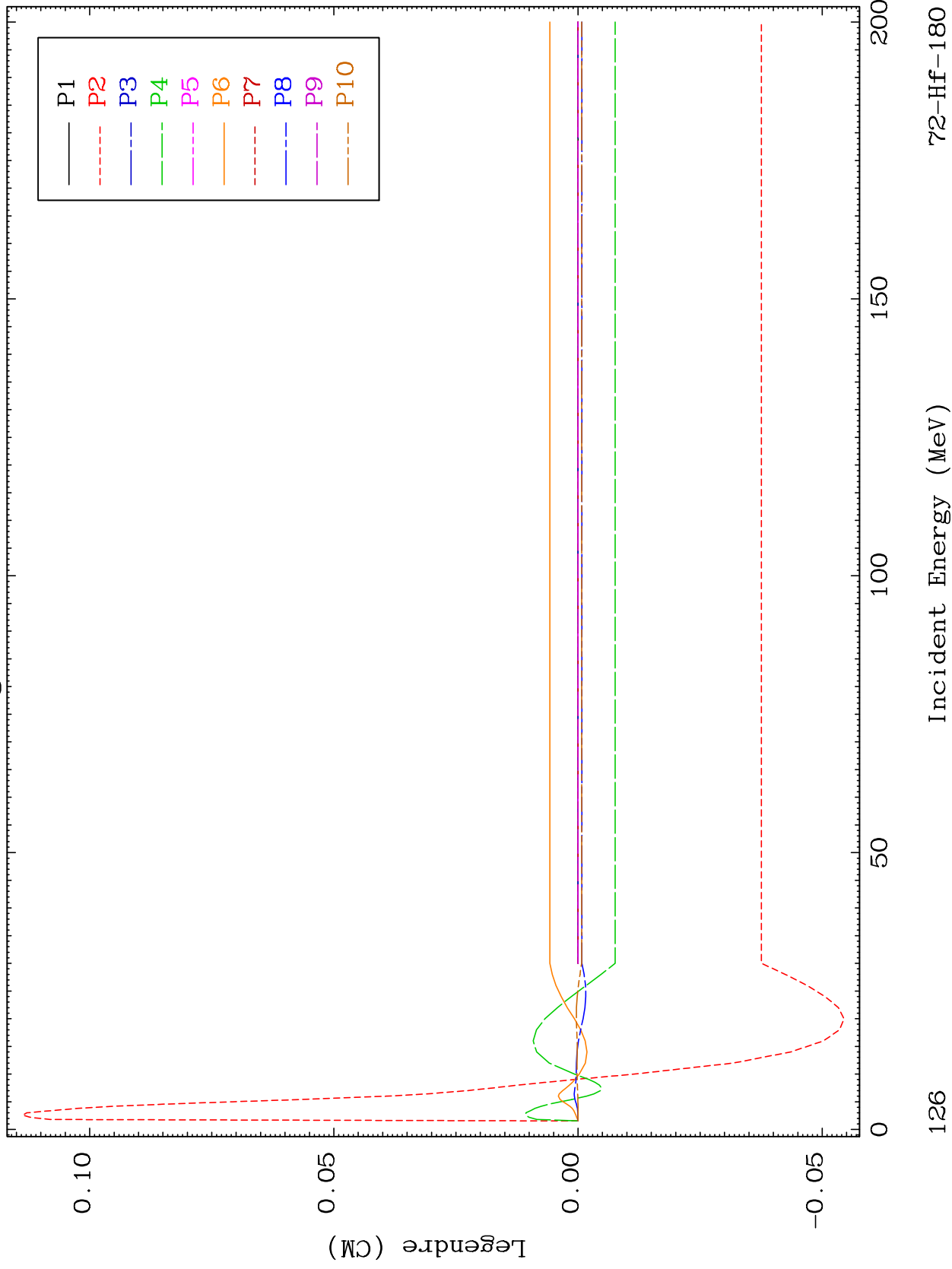
72-Hf-180



MAT 7243

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

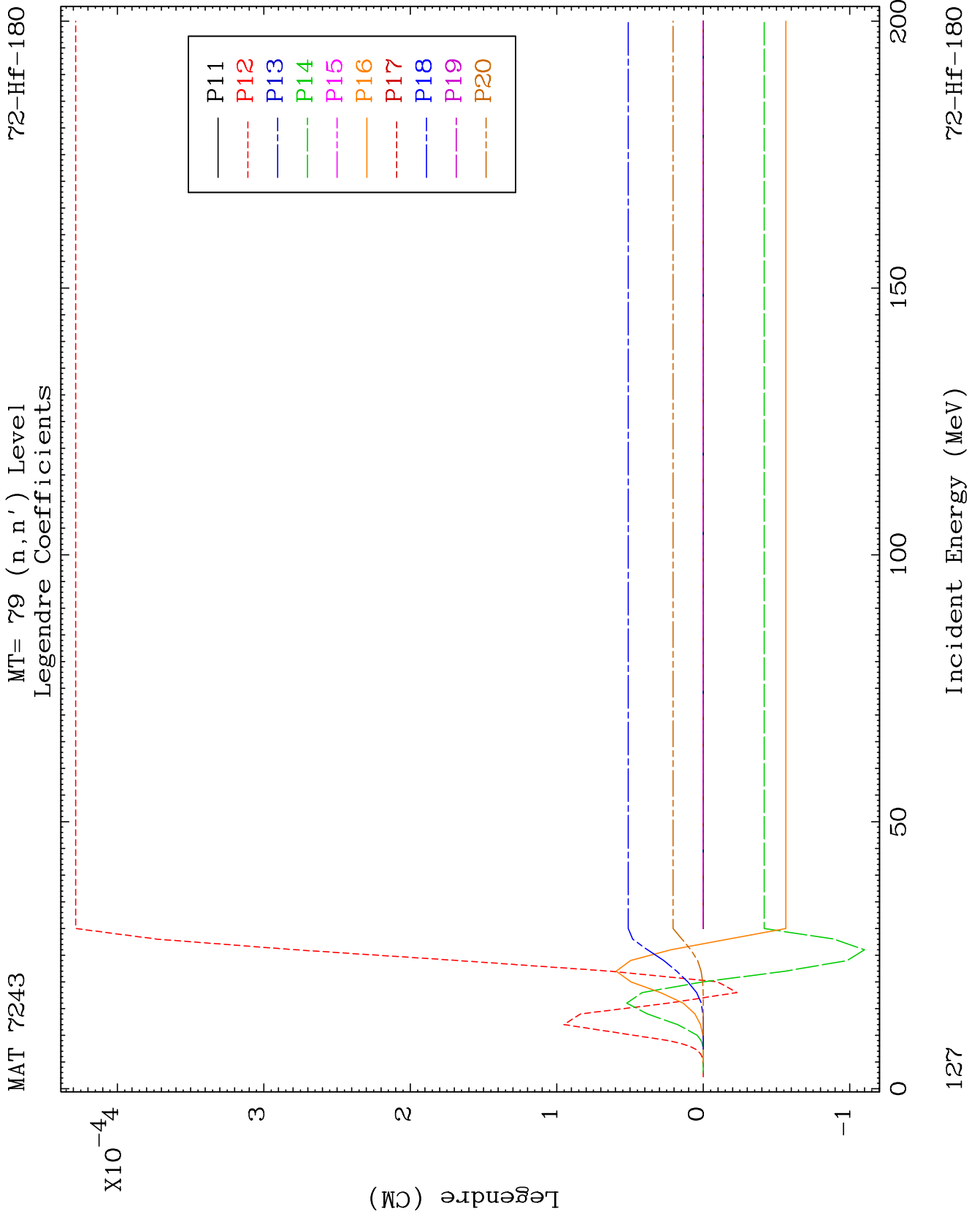
72-Hf-180

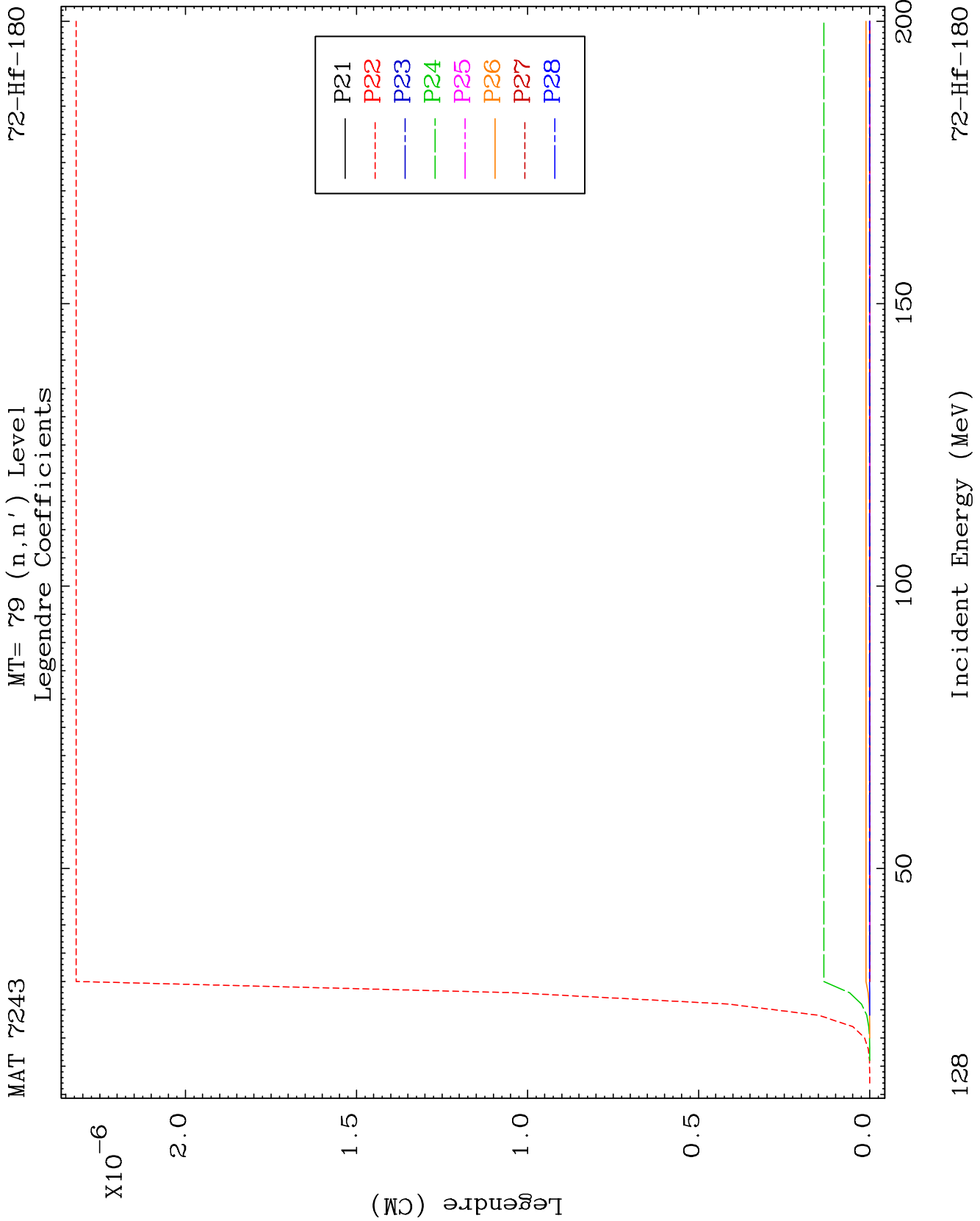


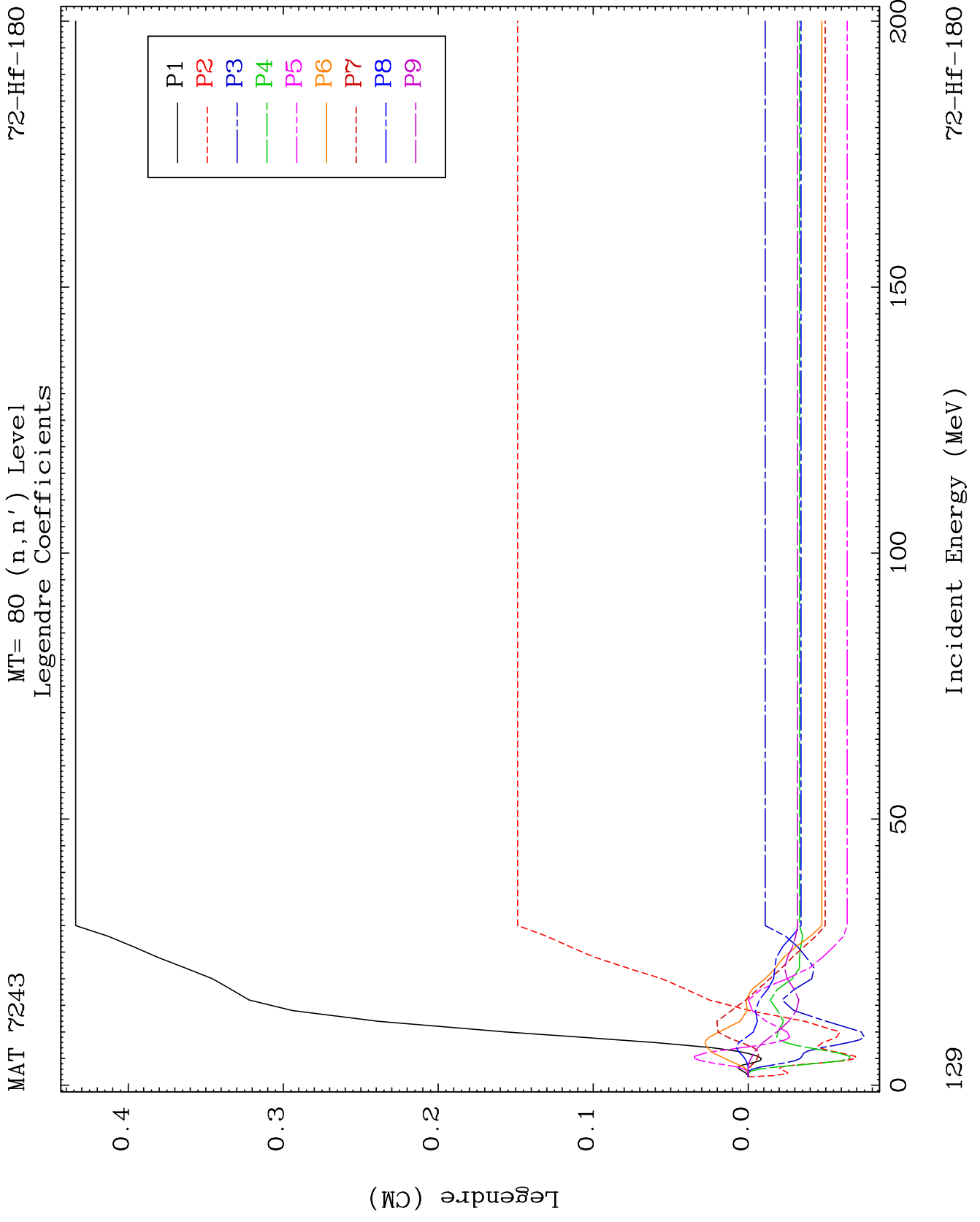
72-Hf-180

Incident Energy (MeV)

126



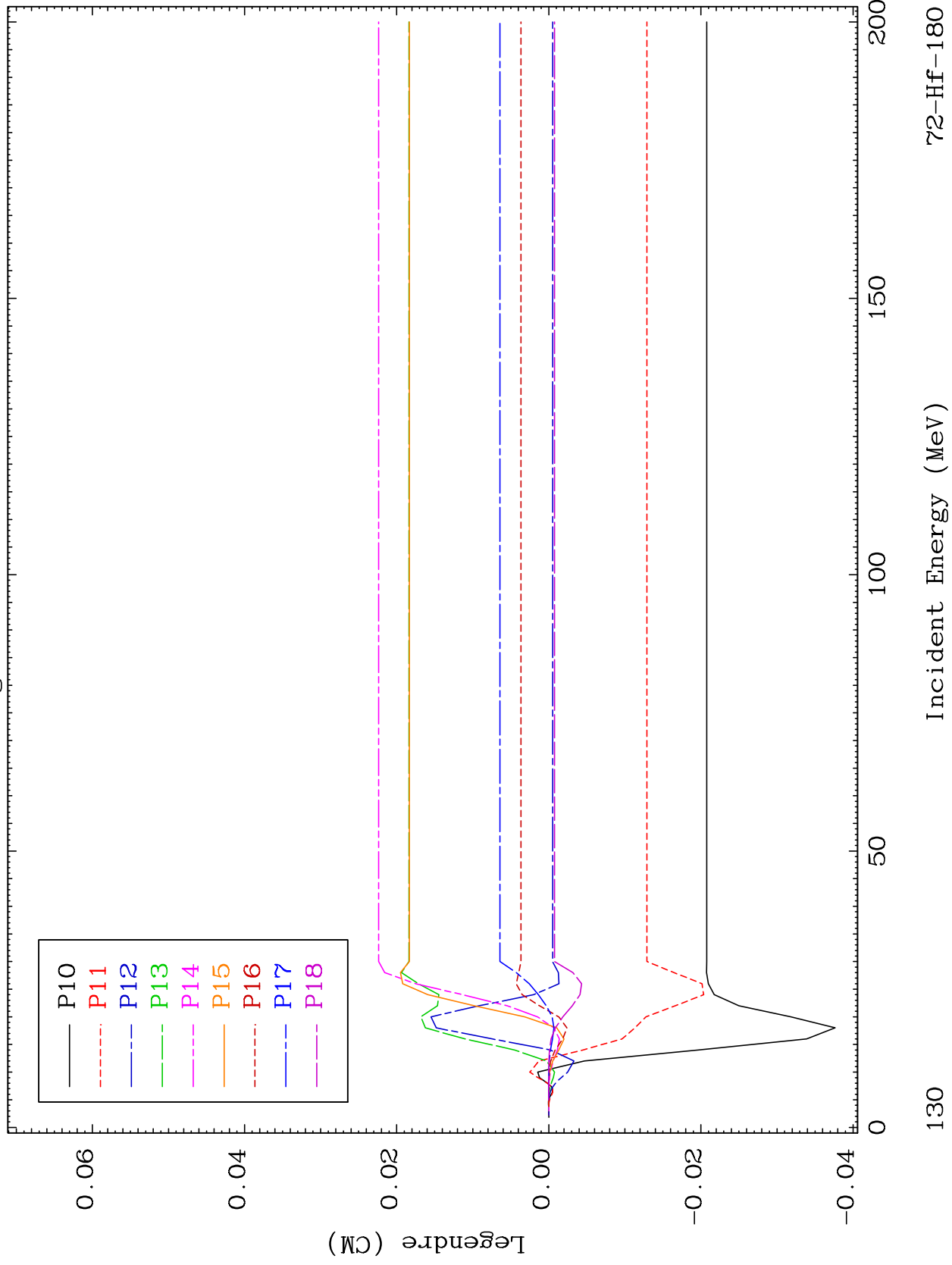




MAT 7243

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

72-Hf-180



72-Hf-180

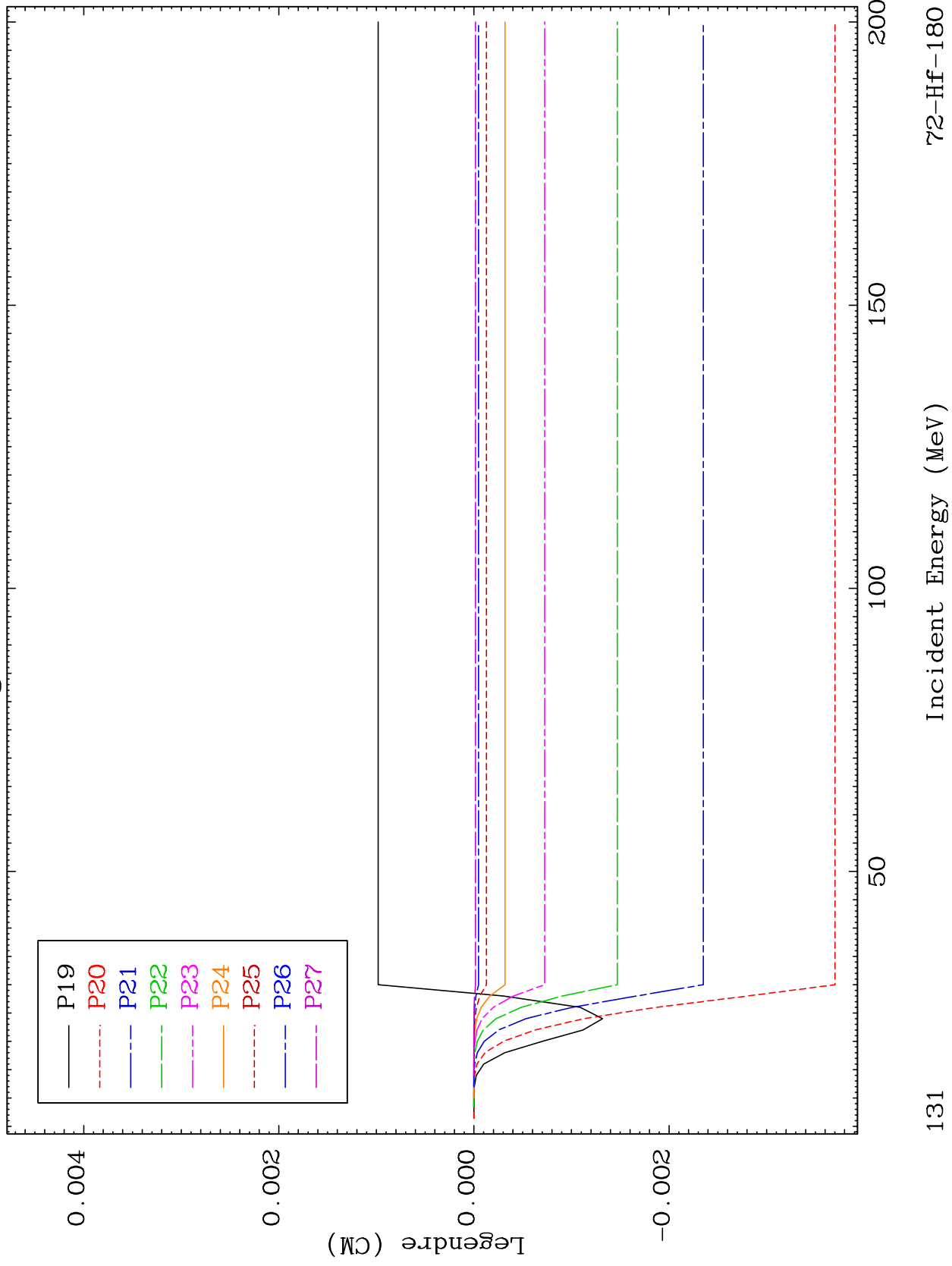
Incident Energy (MeV)

130

MAT 7243

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

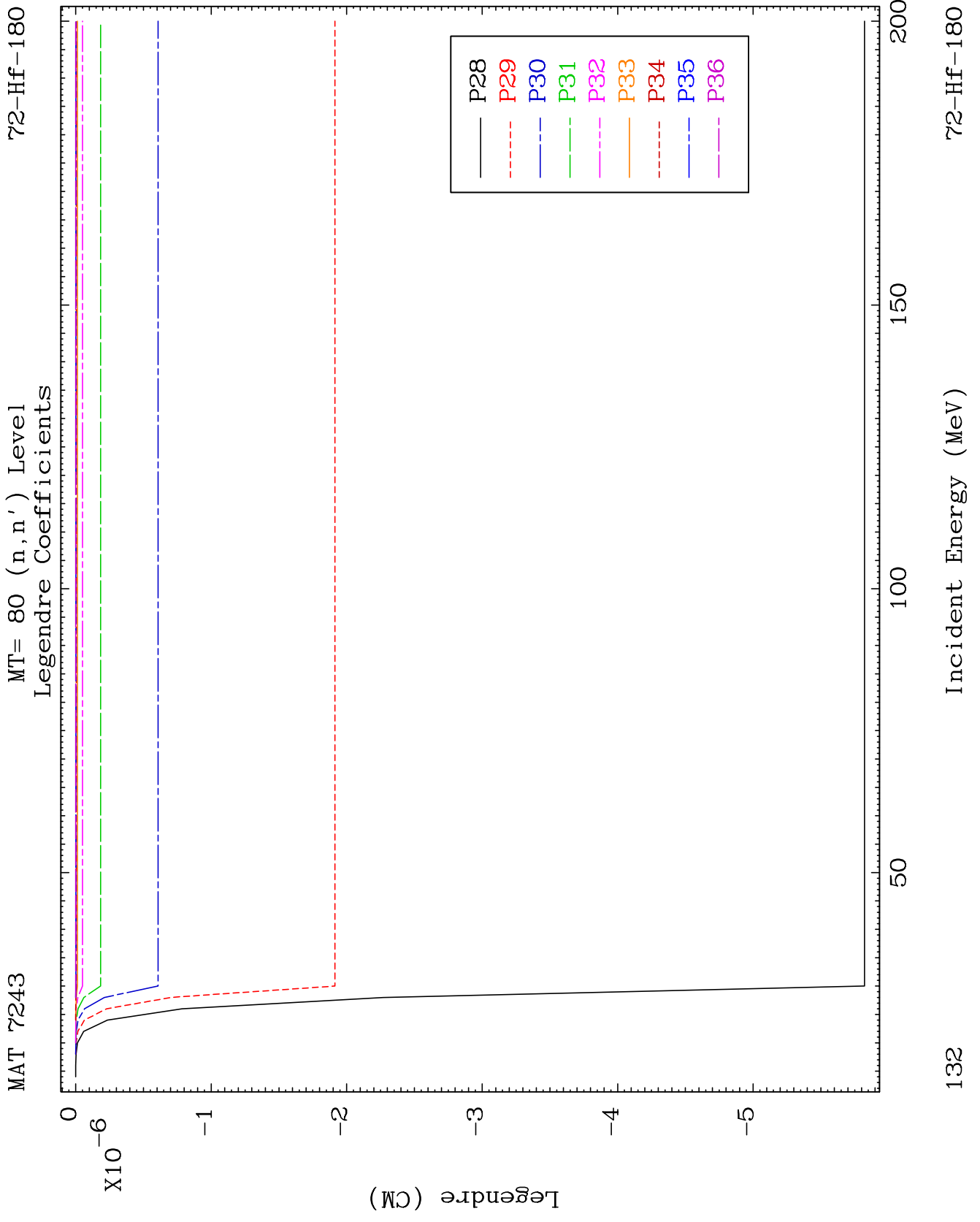
72-Hf-180



131

Incident Energy (MeV)

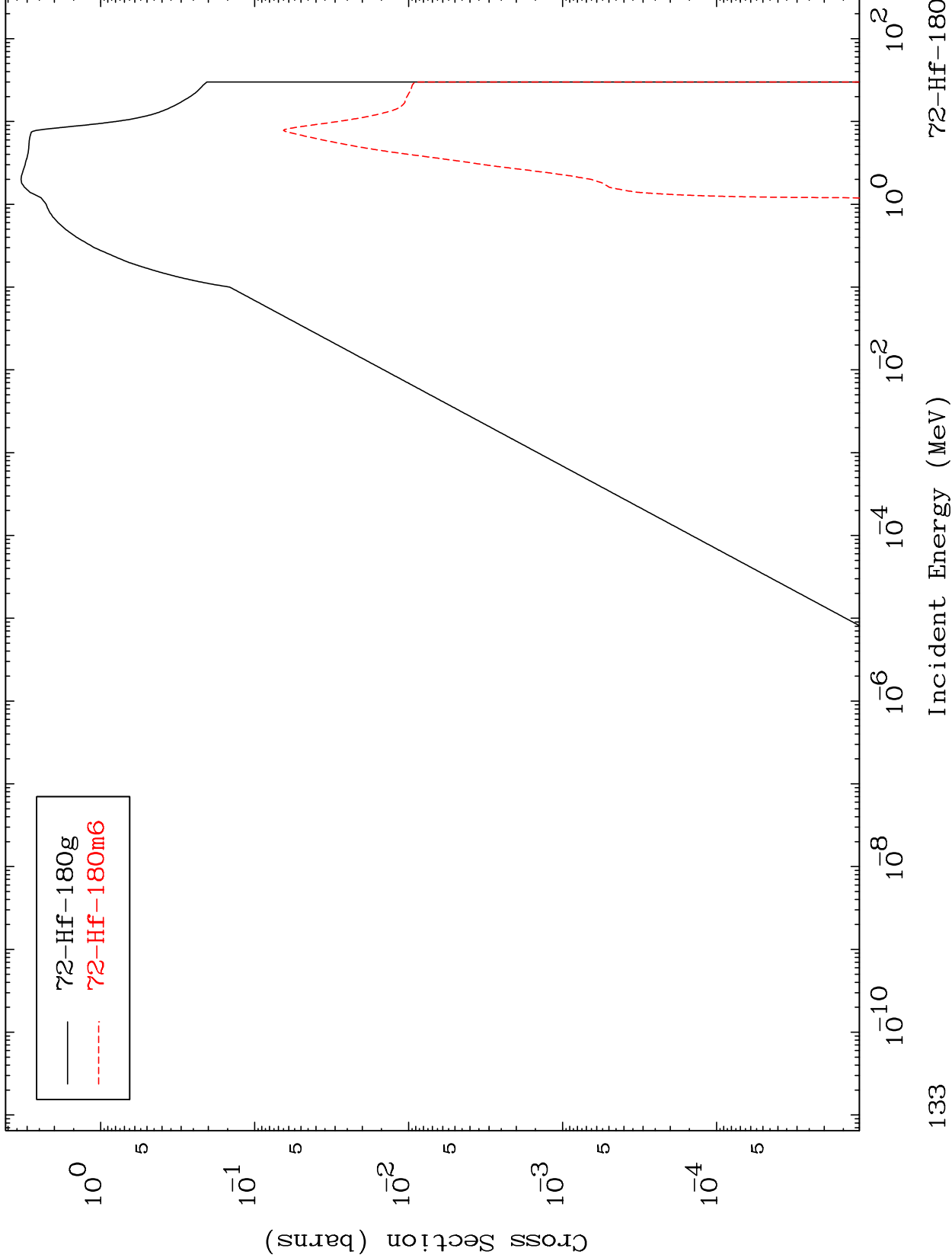
72-Hf-180



MAT 7243

Inelastic  
Radionuclide Production Cross Section

72-Hf-180

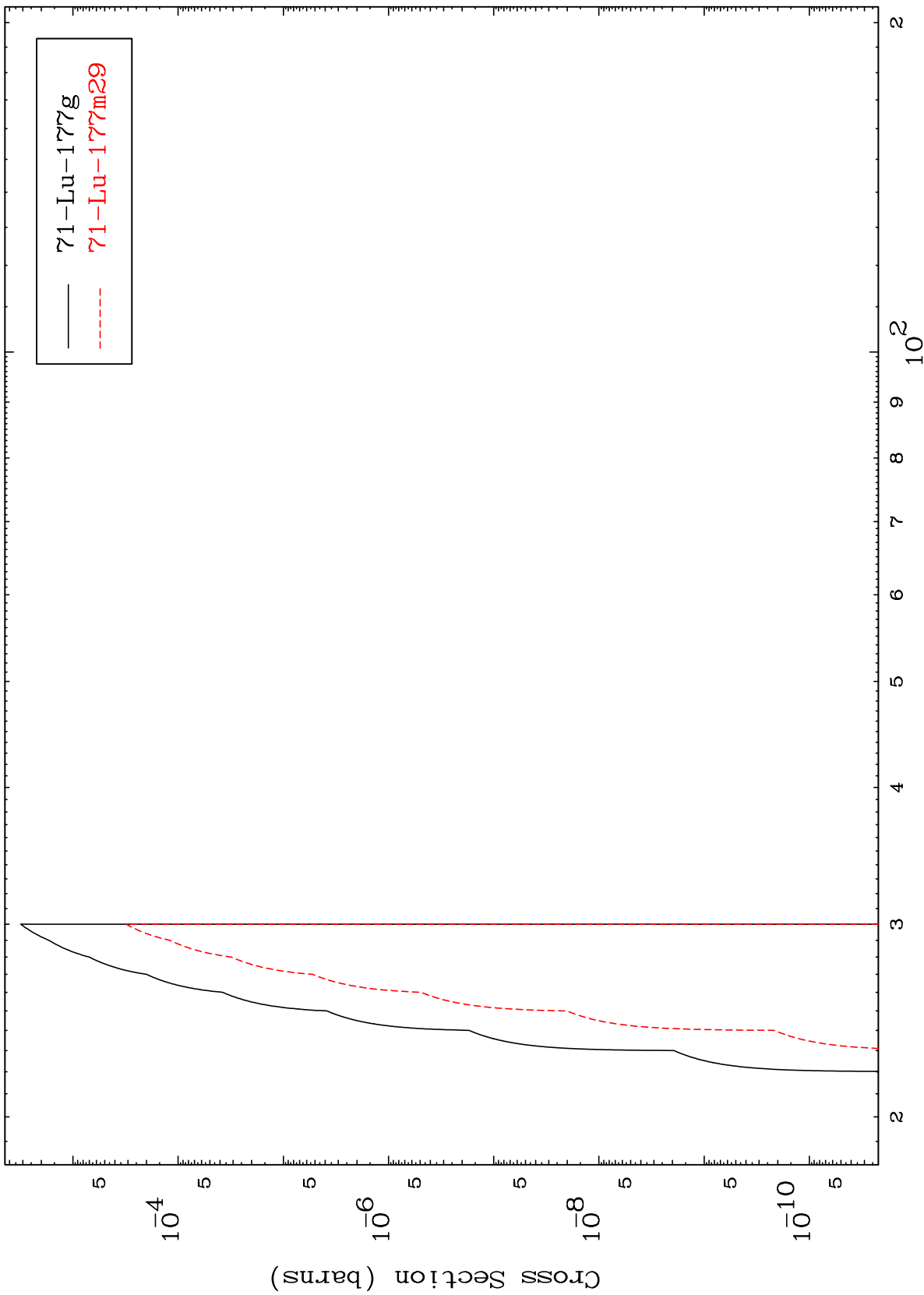


MAT 7243

(n,2n) d

72-Hf-180

Radionuclide Production Cross Section



134

Incident Energy (MeV)

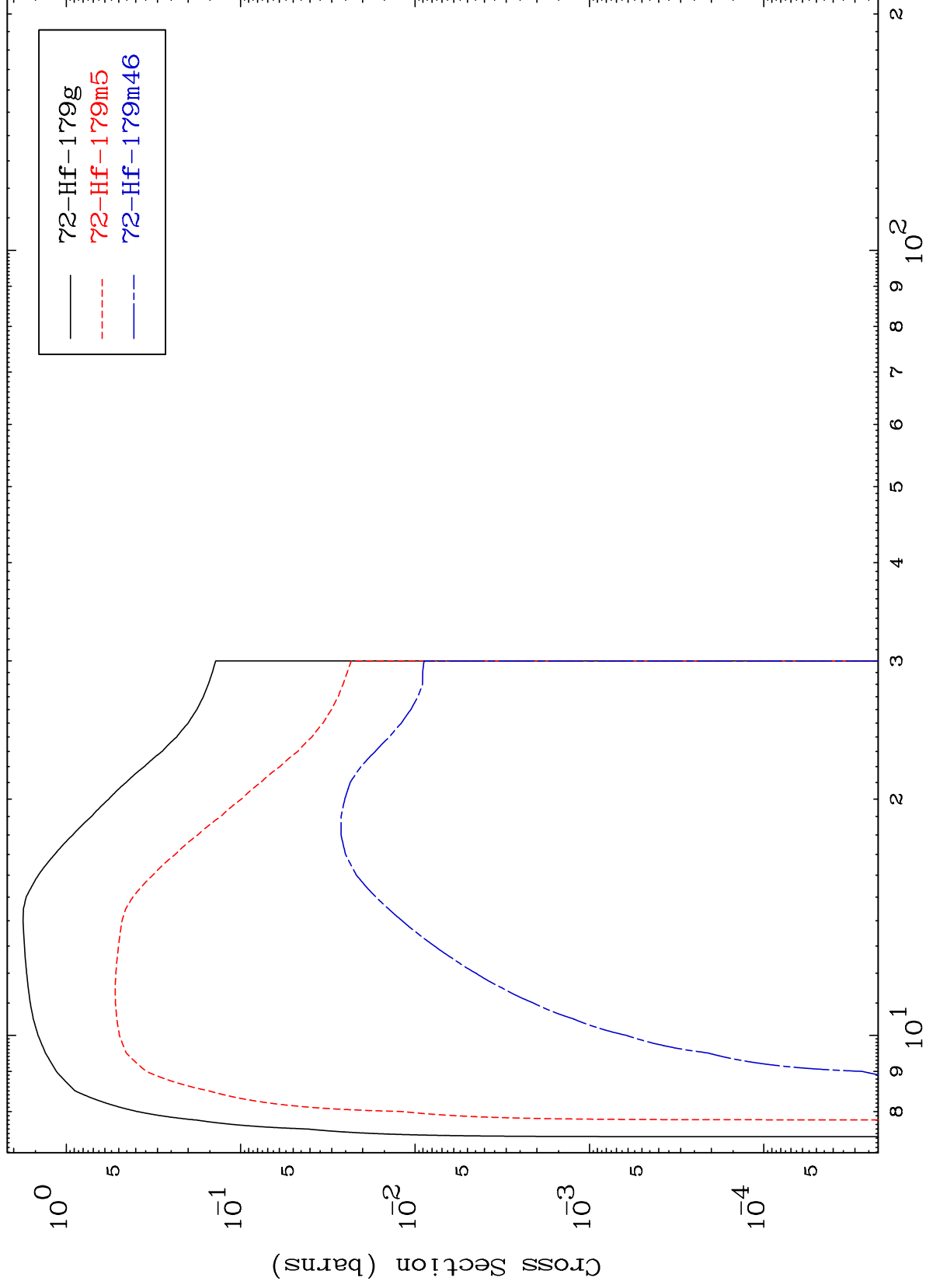
72-Hf-180

MAT 7243

(n,2n)

72-Hf-180

Radionuclide Production Cross Section



135

Incident Energy (MeV)

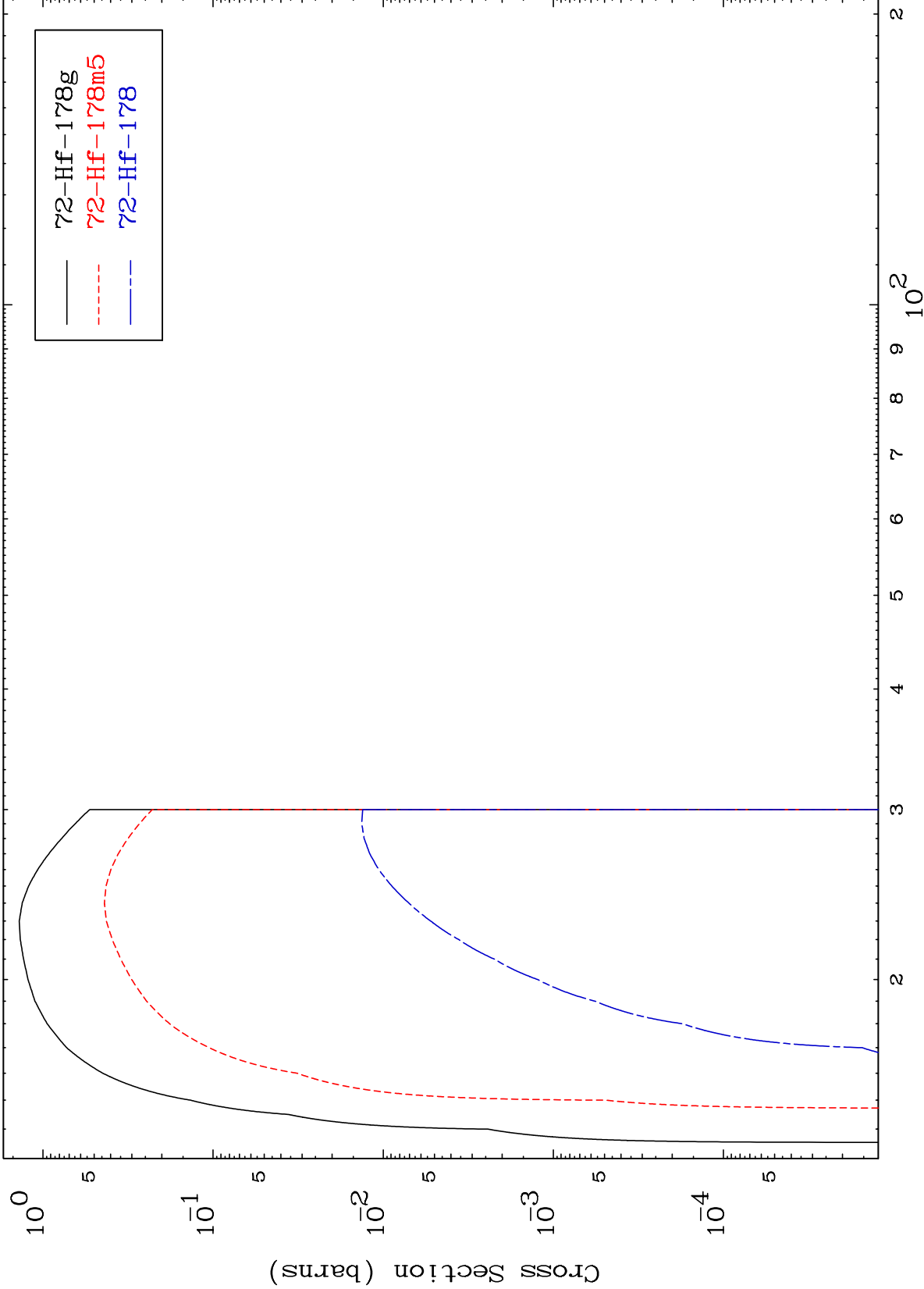
72-Hf-180

MAT 7243

(n,3n)

72-Hf-180

Radionuclide Production Cross Section



136

Incident Energy (MeV)

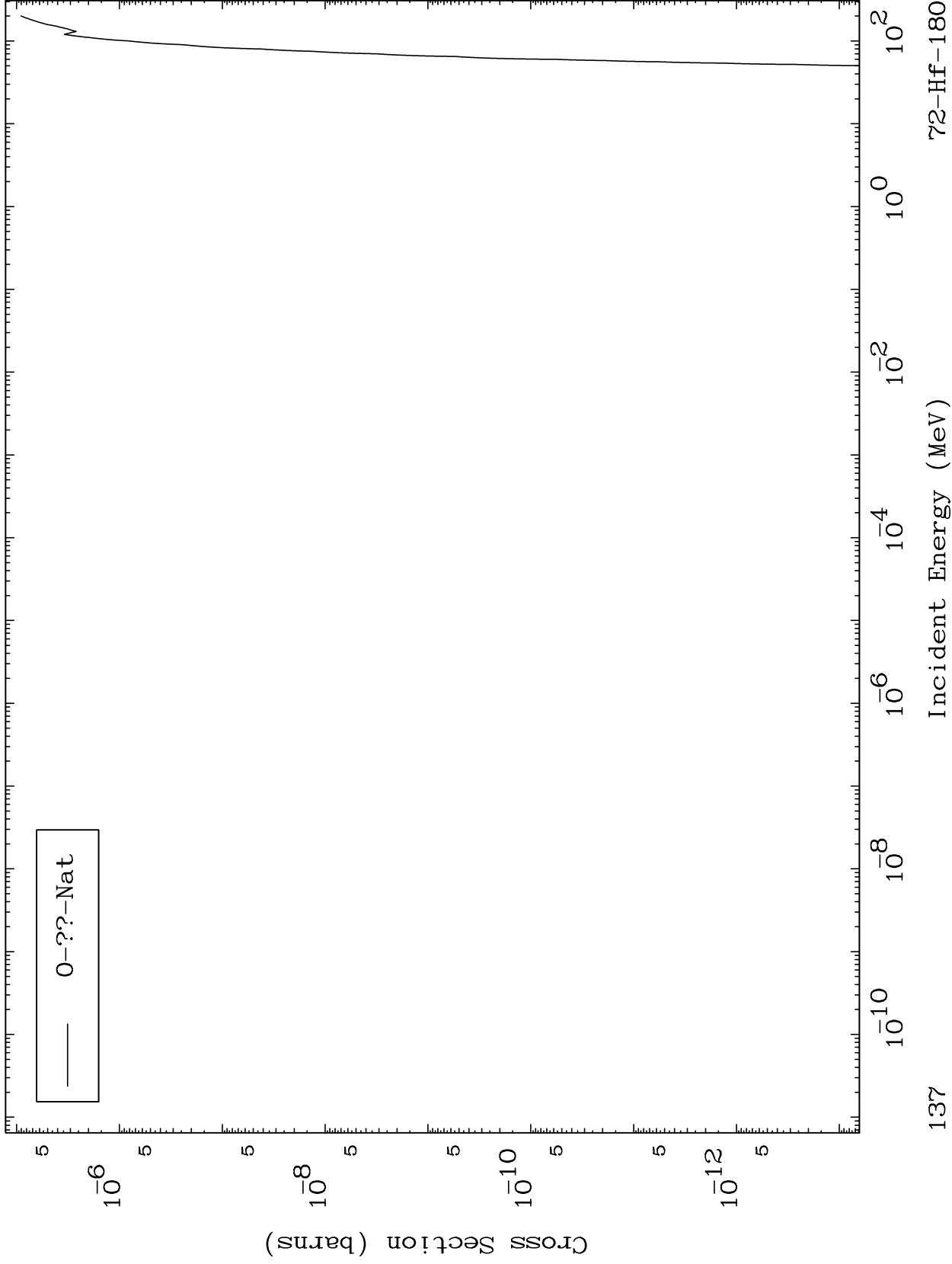
72-Hf-180

MAT 7243

Fission

72-Hf-180

Radionuclide Production Cross Section

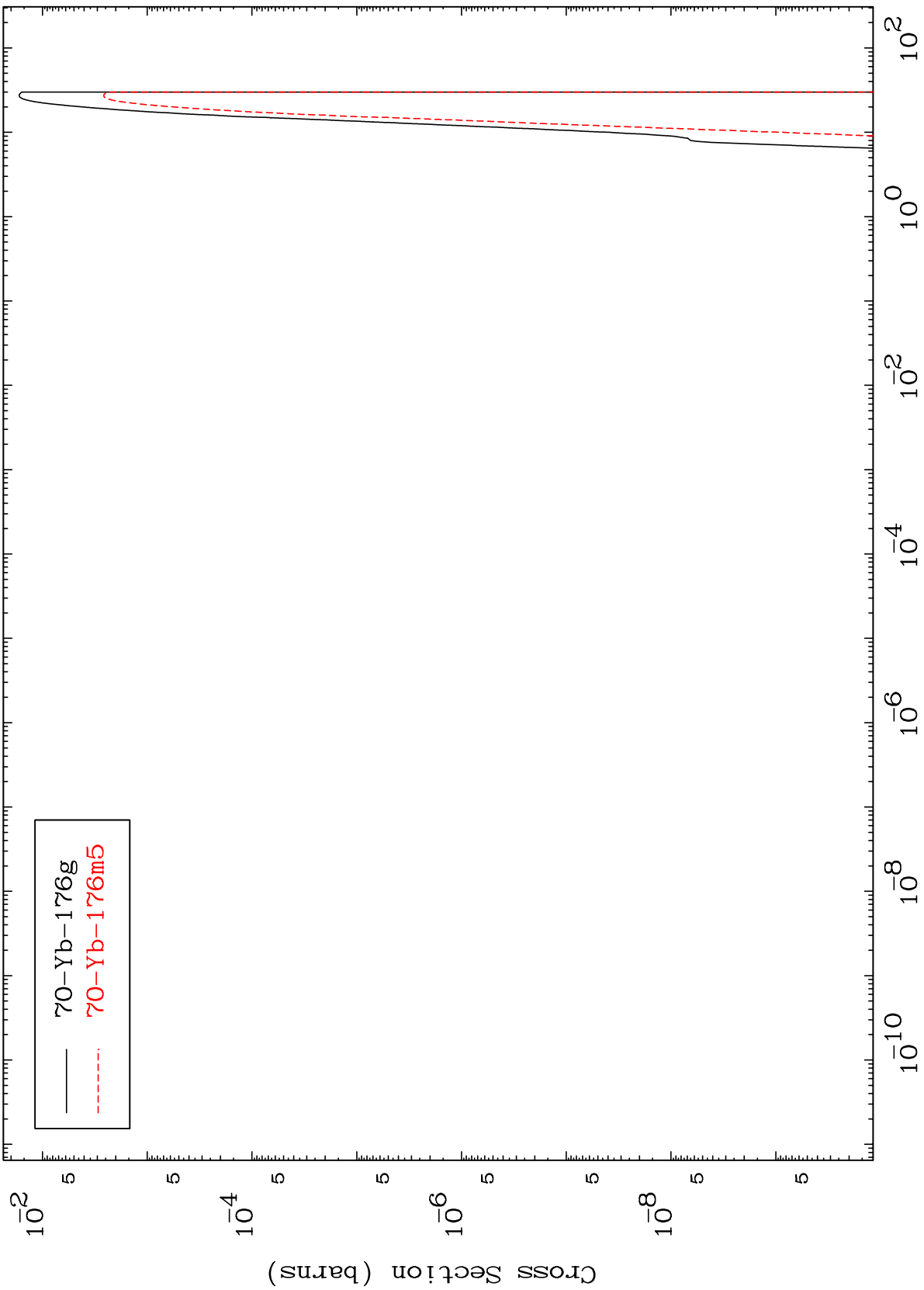


MAT 7243

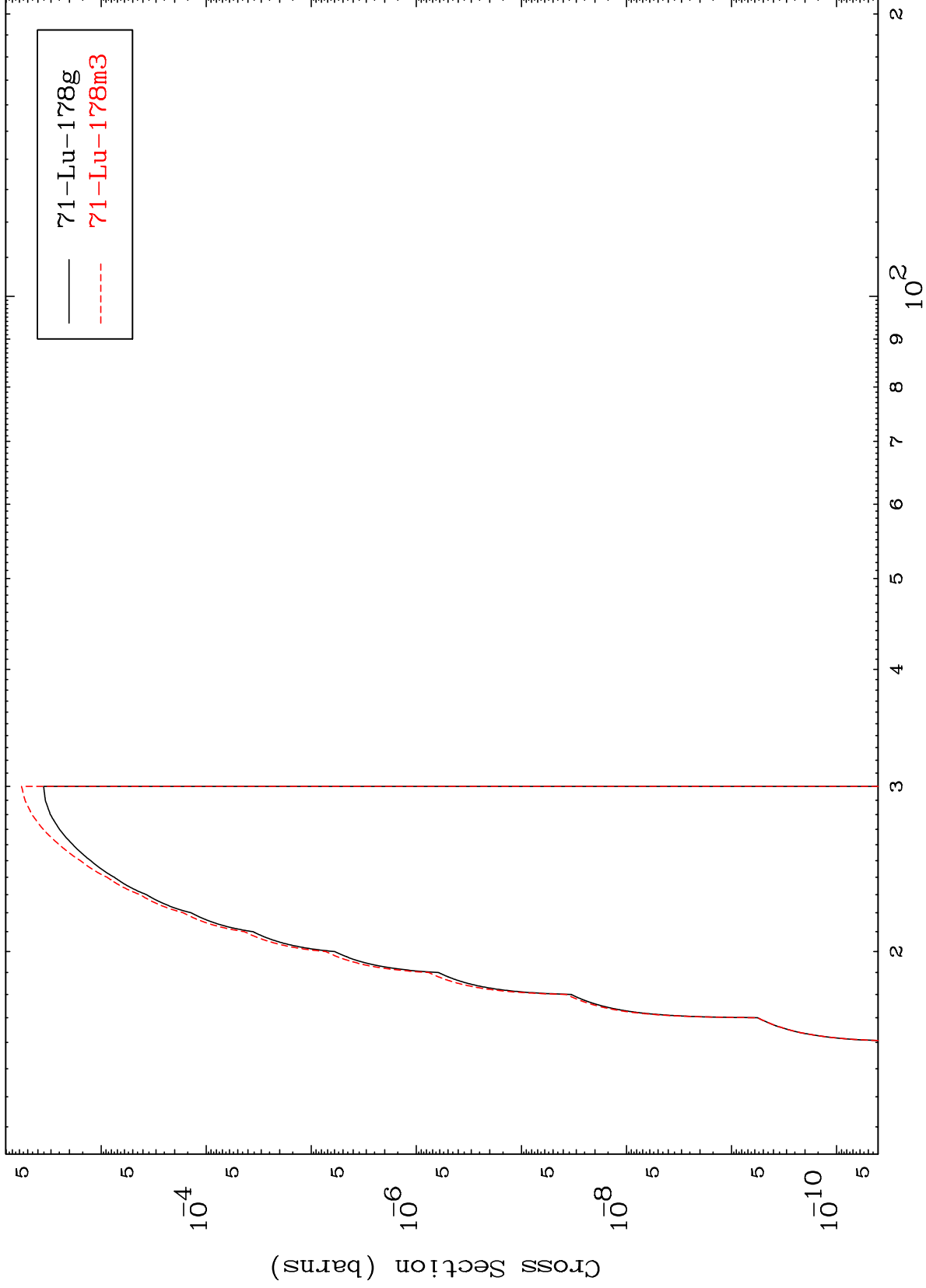
$(n, n') \alpha$

72-Hf-180

Radionuclide Production Cross Section



Radionuclide Production Cross Section

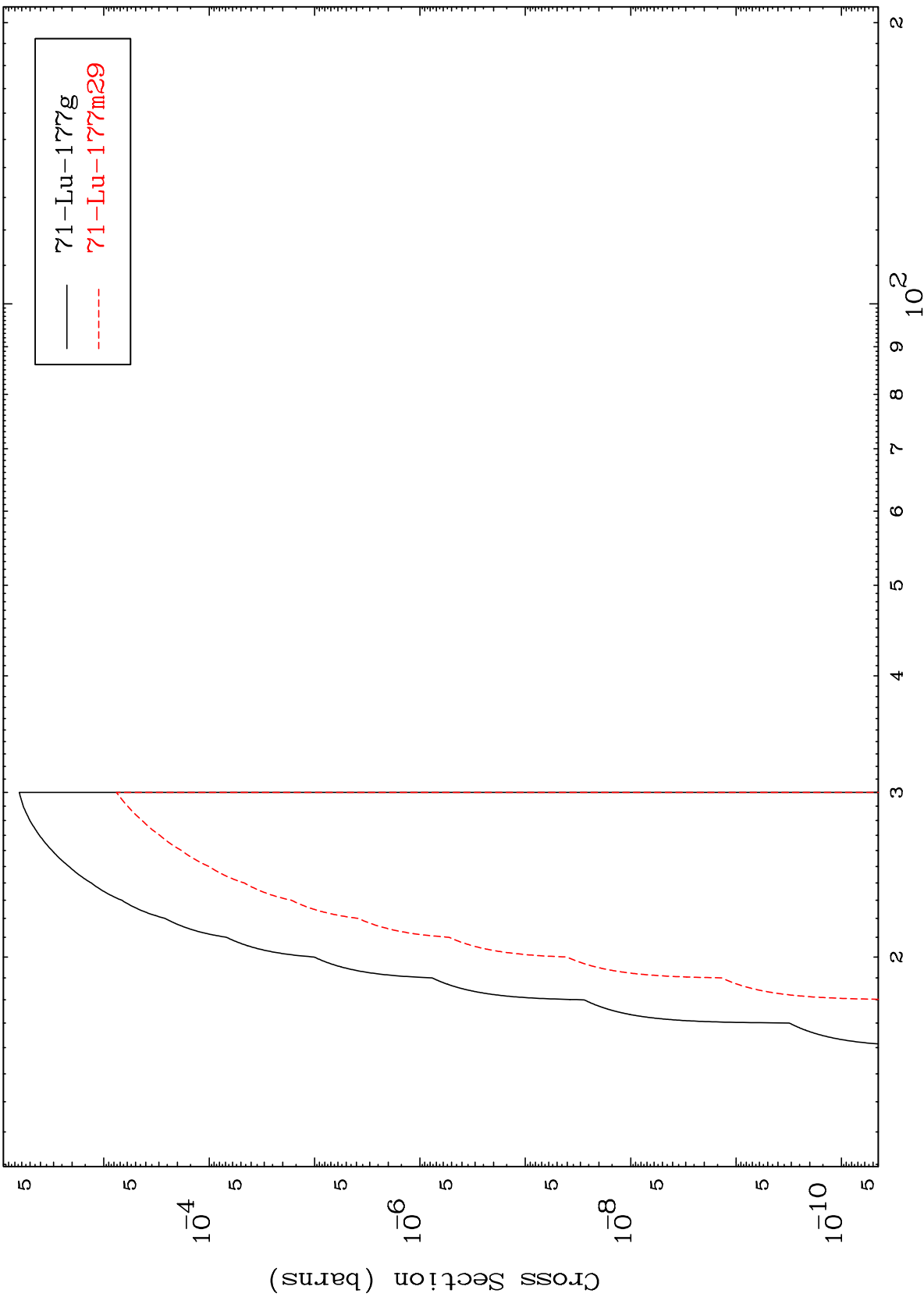


MAT 7243

(n,n') t

72-Hf-180

Radionuclide Production Cross Section



140

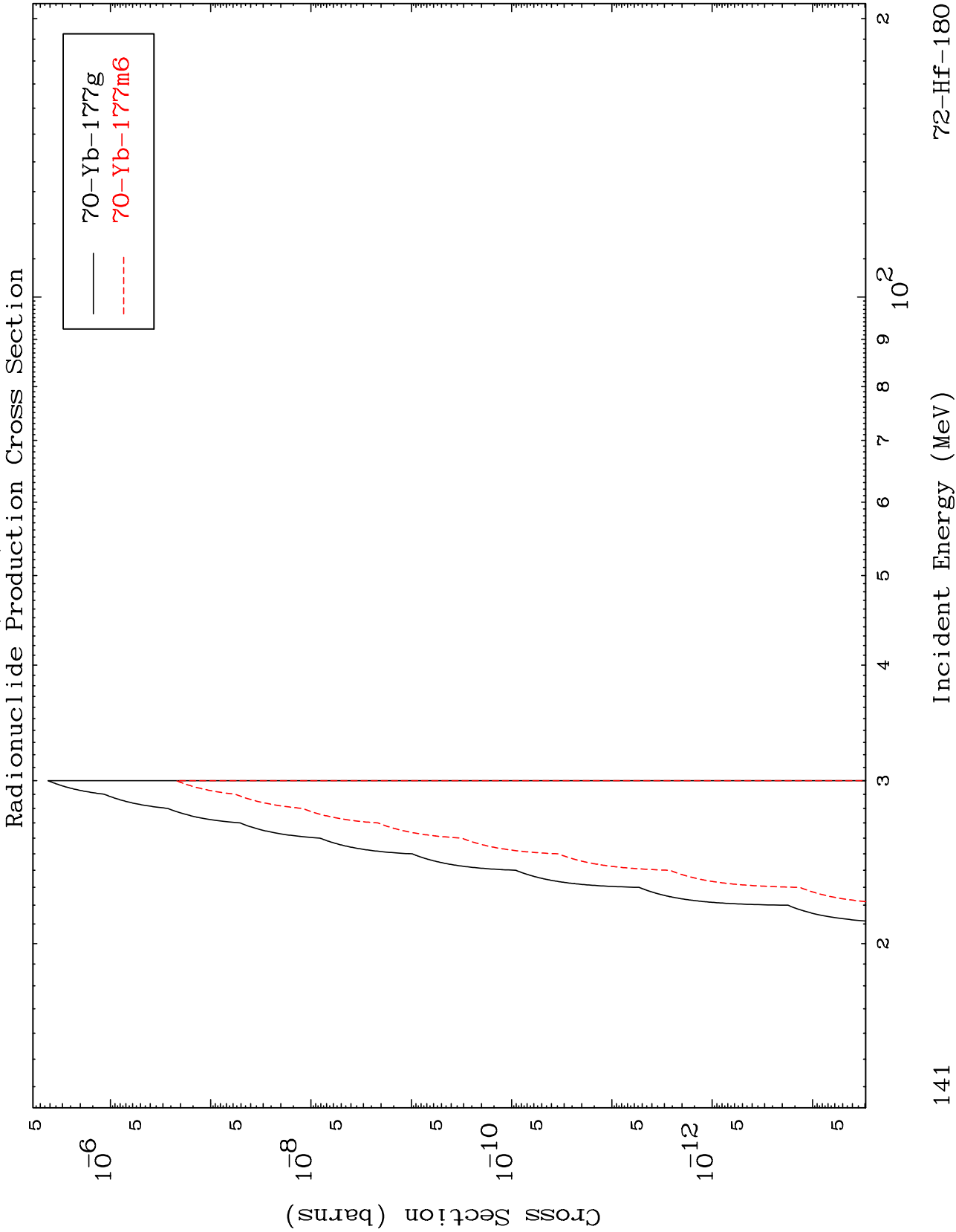
Incident Energy (MeV)

72-Hf-180

MAT 7243

(n,n') He-3

72-Hf-180



141

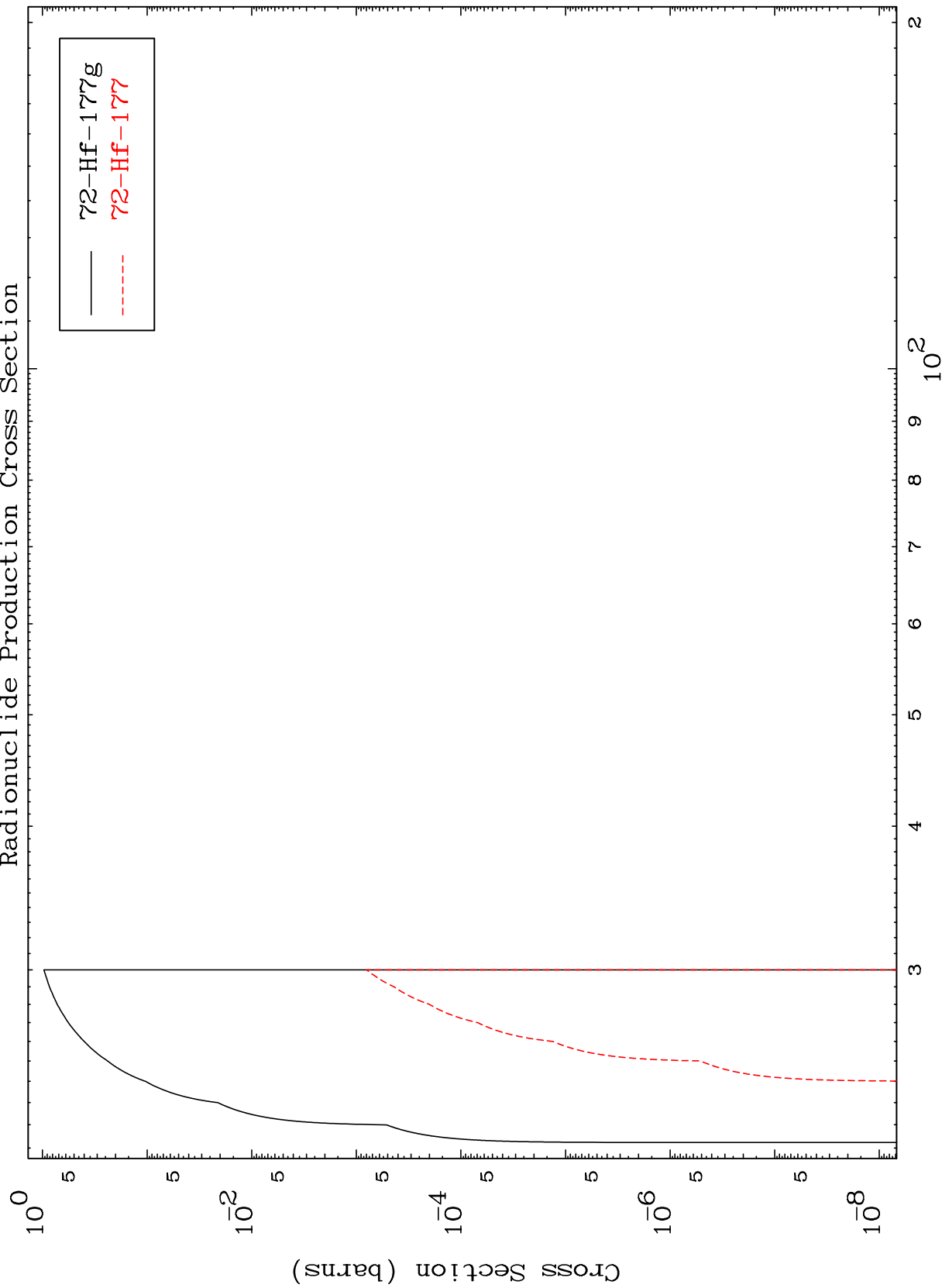
72-Hf-180

72-Hf-180

MAT 7243

72-Hf-180

(n,4n)  
Radionuclide Production Cross Section



72-Hf-177g  
72-Hf-177

142

Incident Energy (MeV)

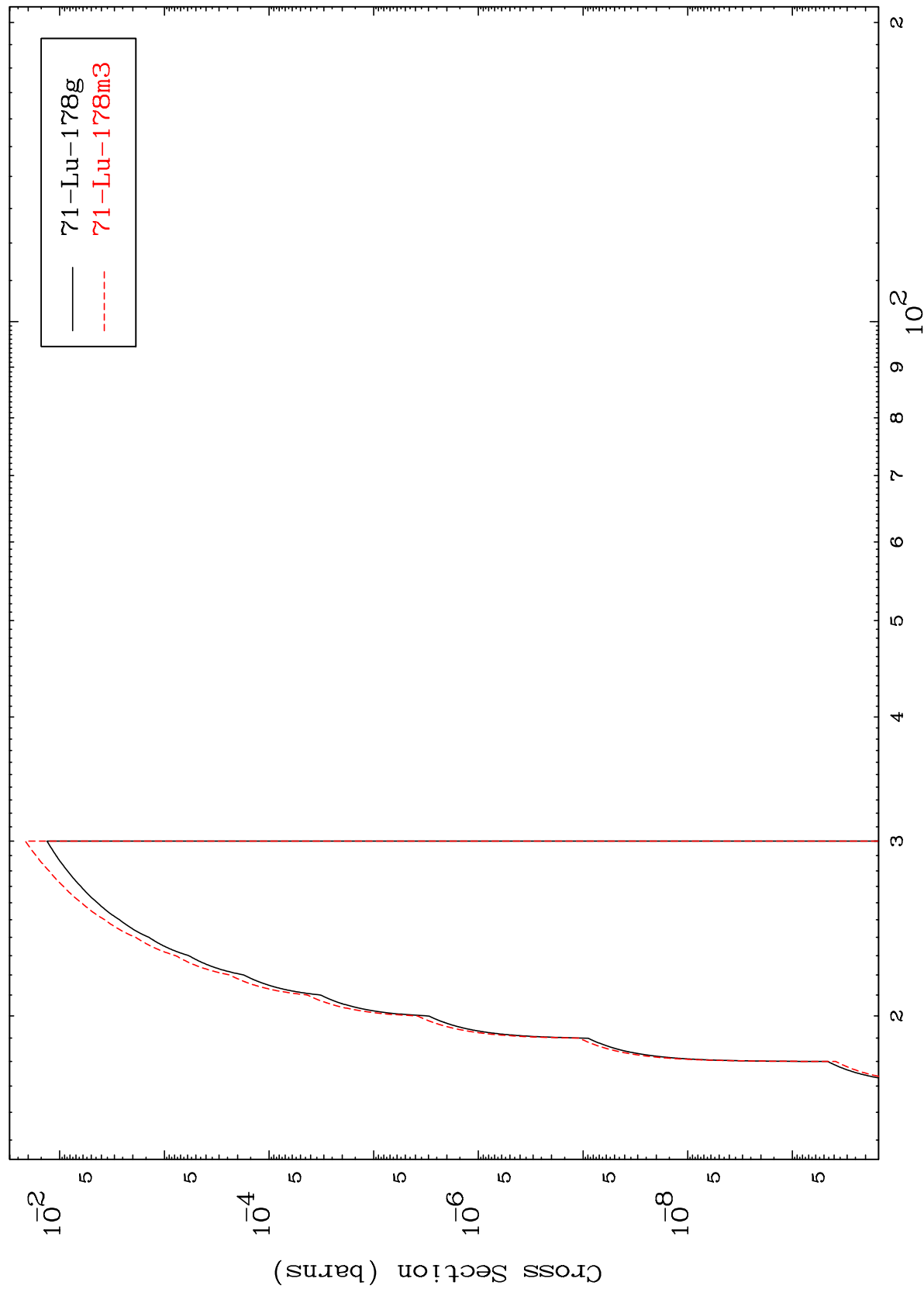
72-Hf-180

MAT 7243

(n,2n) p

72-Hf-180

Radionuclide Production Cross Section



143

Incident Energy (MeV)

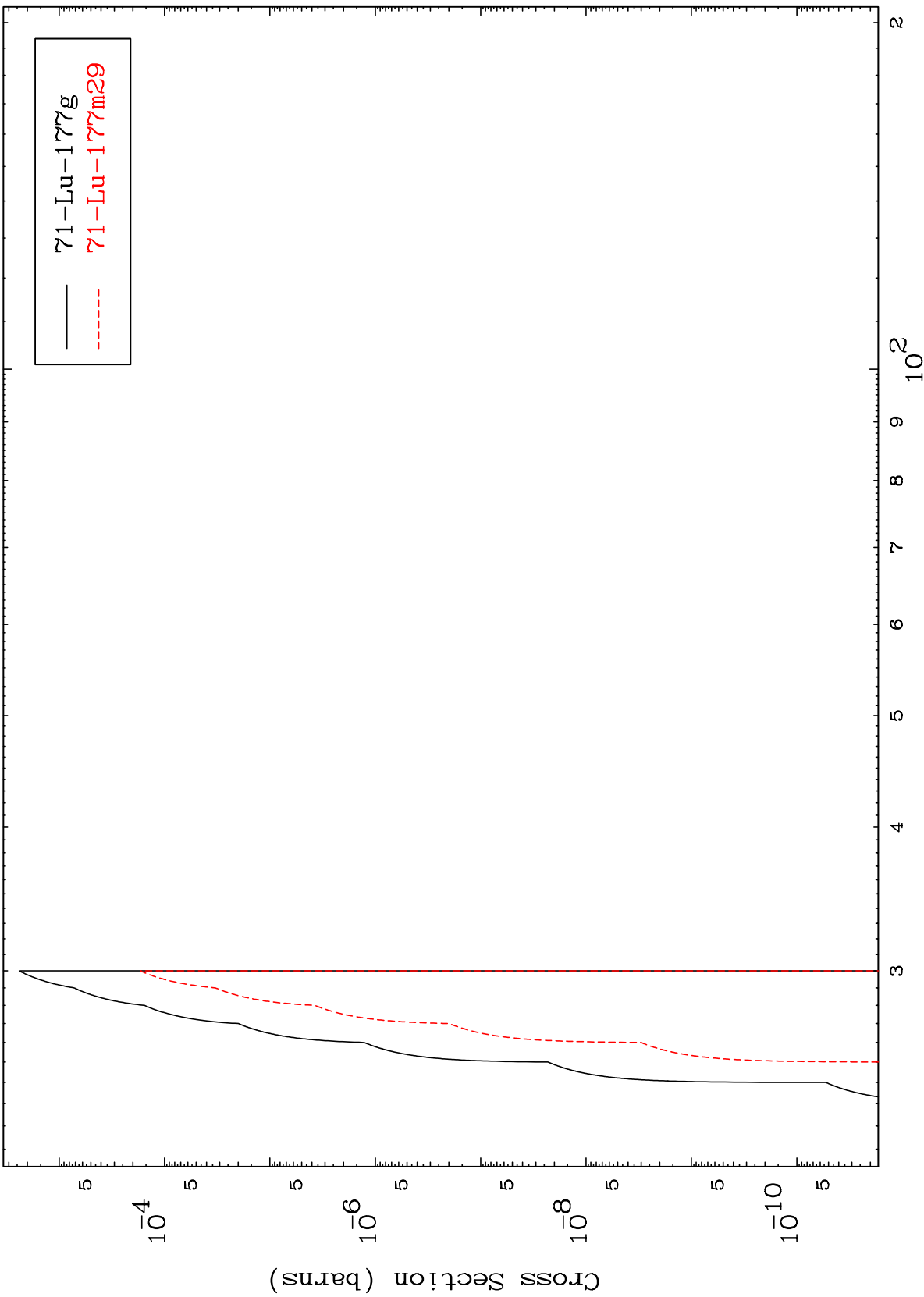
72-Hf-180

MAT 7243

(n,3n) p

72-Hf-180

Radionuclide Production Cross Section



144

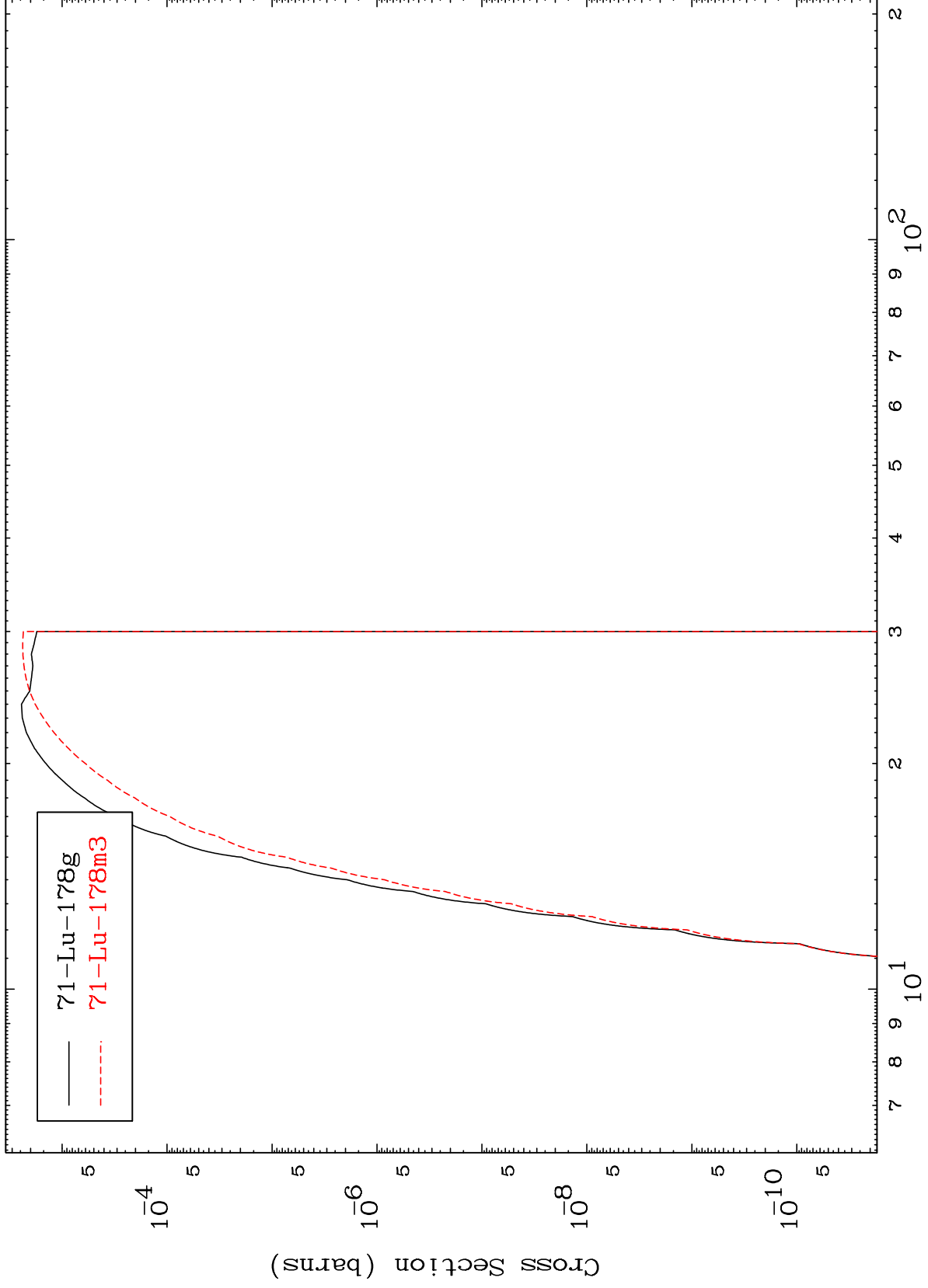
Incident Energy (MeV)

72-Hf-180

MAT 7243

72-Hf-180

(n, t)  
Radionuclide Production Cross Section



145

Incident Energy (MeV)

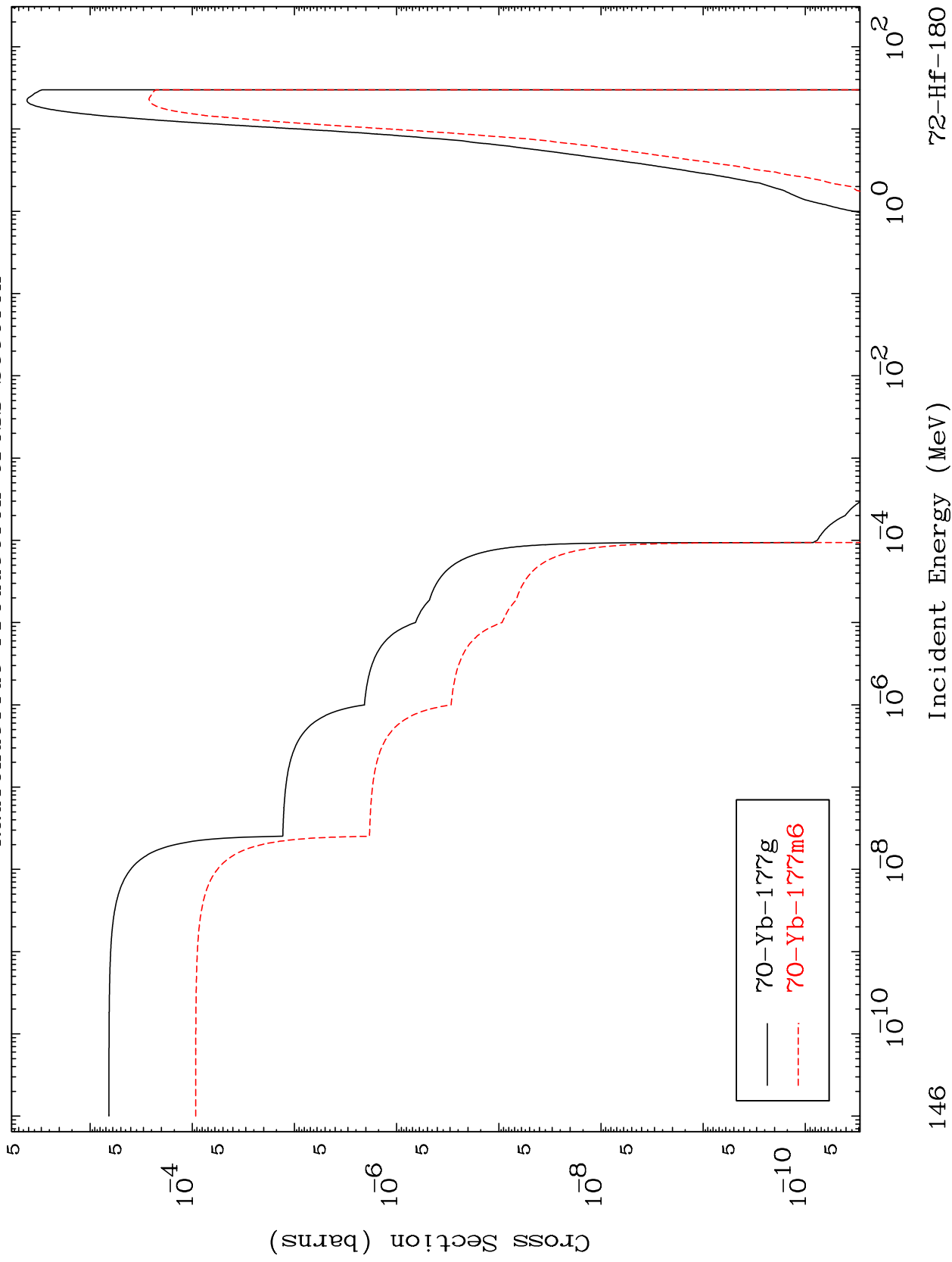
72-Hf-180

MAT 7243

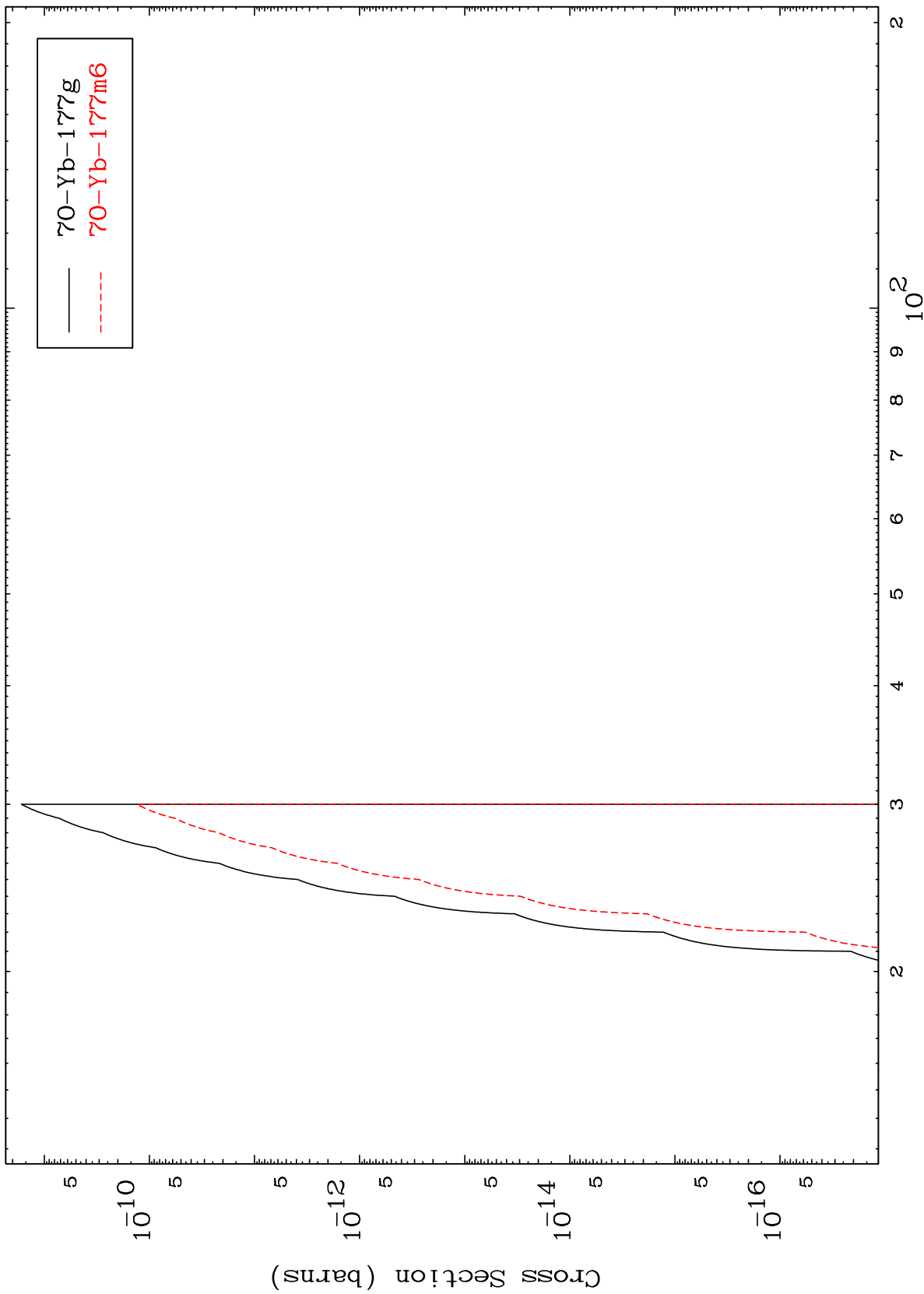
(n,  $\alpha$ )

72-Hf-180

Radionuclide Production Cross Section



Radionuclide Production Cross Section



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