

Program EVALPLOT
(Version 2018-1)

by

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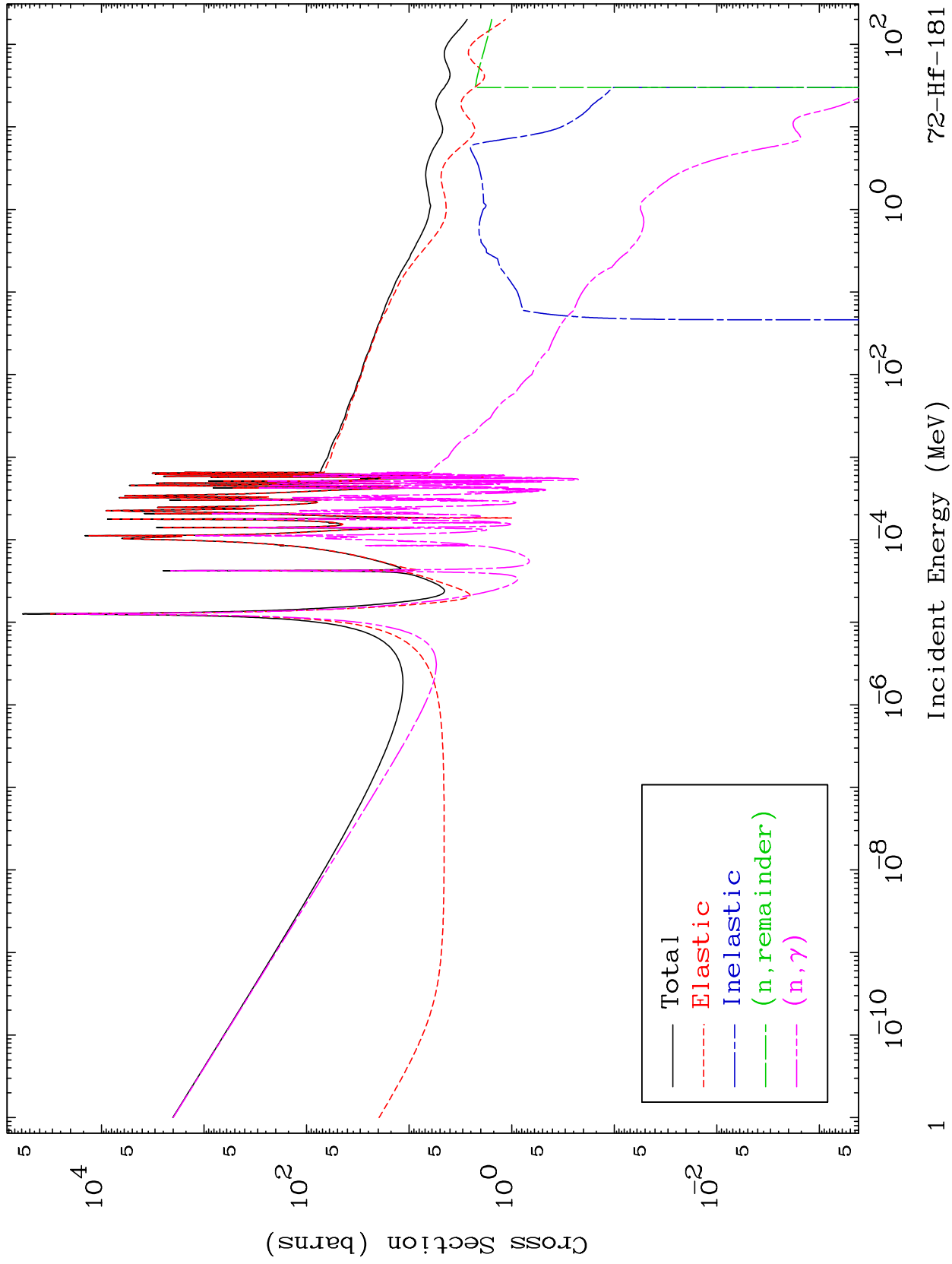
Press Mouse Button to Start

MAT 7246

Major

293 Kelvin Cross Sections

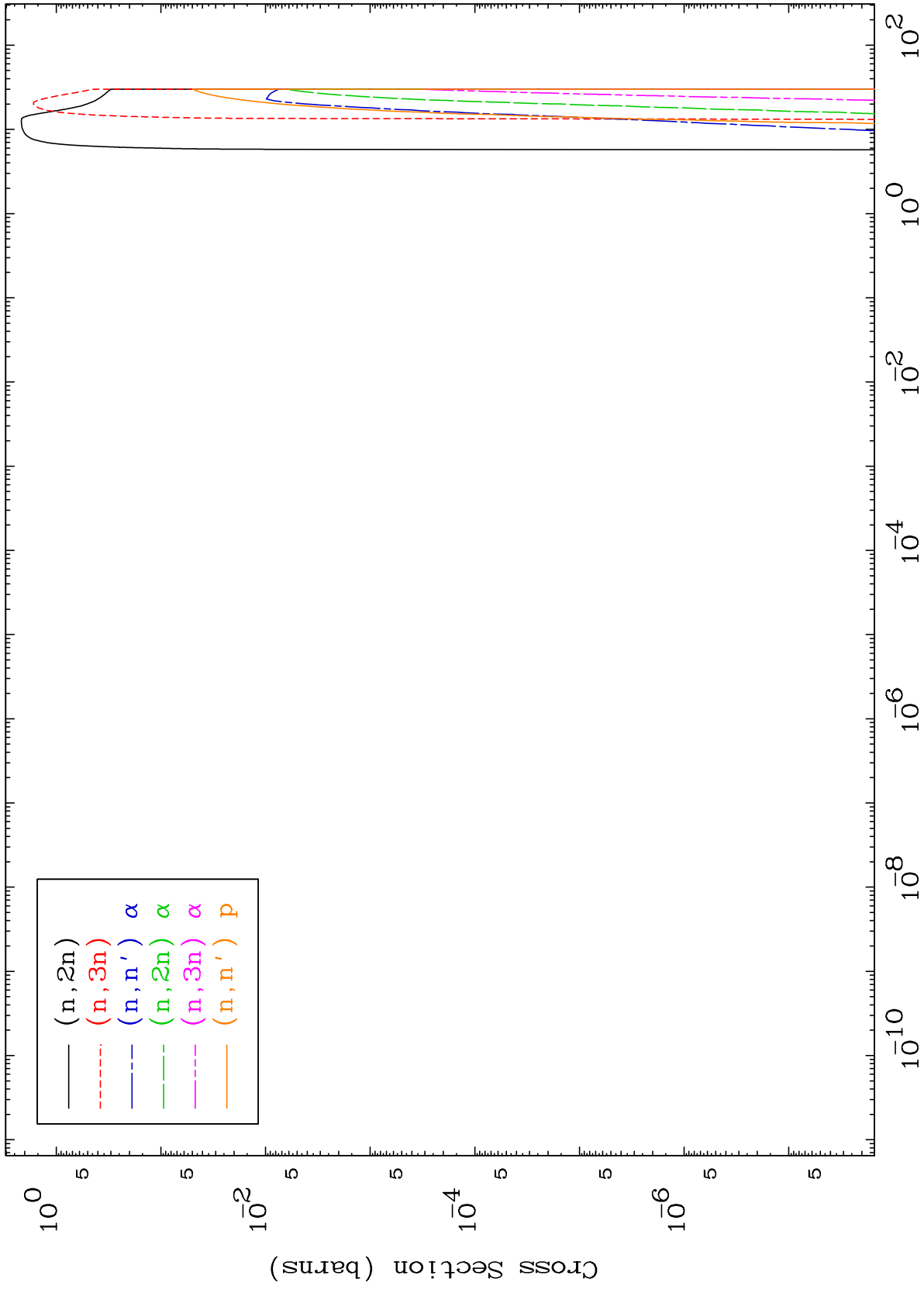
72-Hf-181



MAT 7246

Neutron Production
293 Kelvin Cross Sections

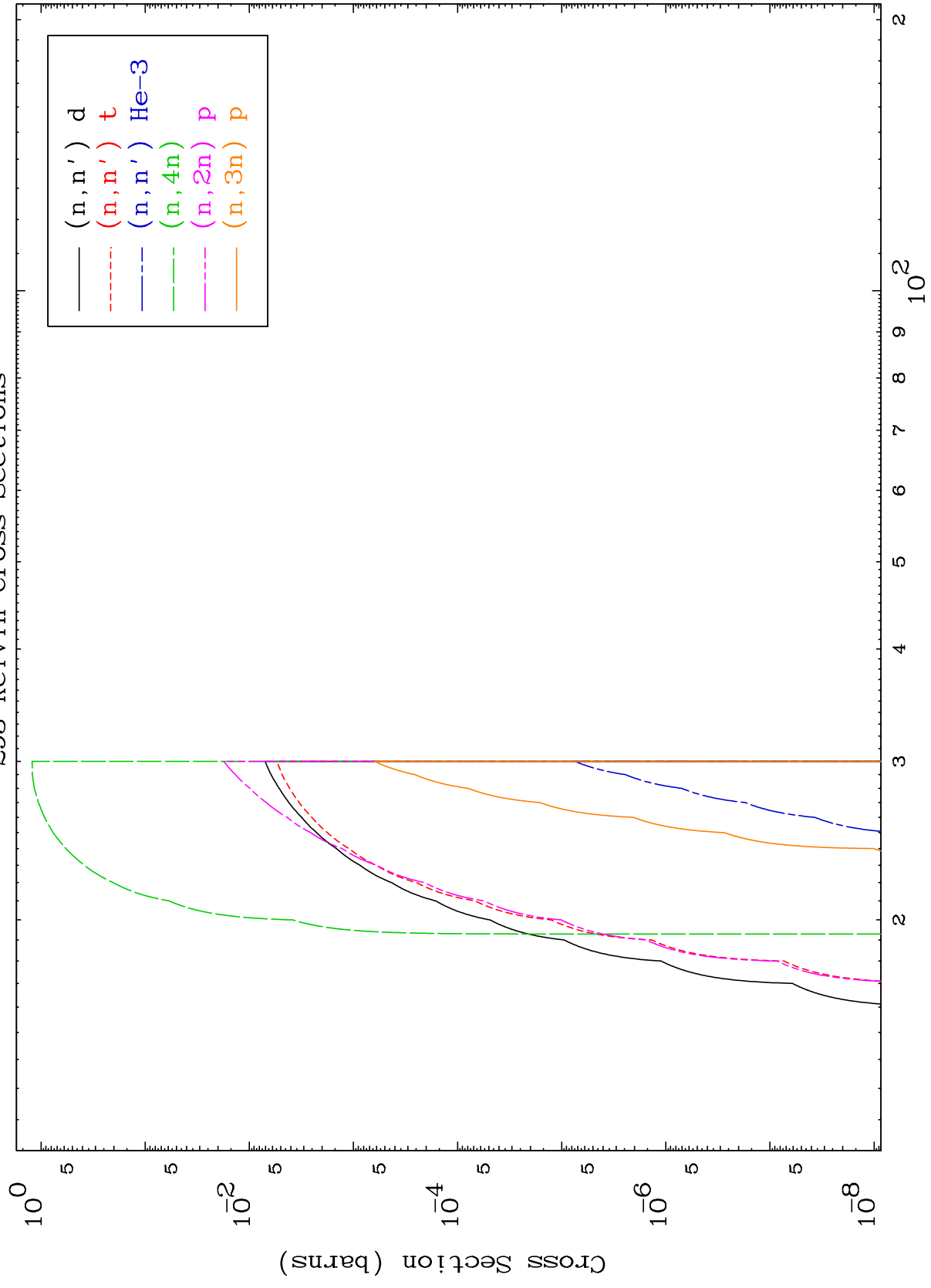
72-Hf-181



2

Incident Energy (MeV)

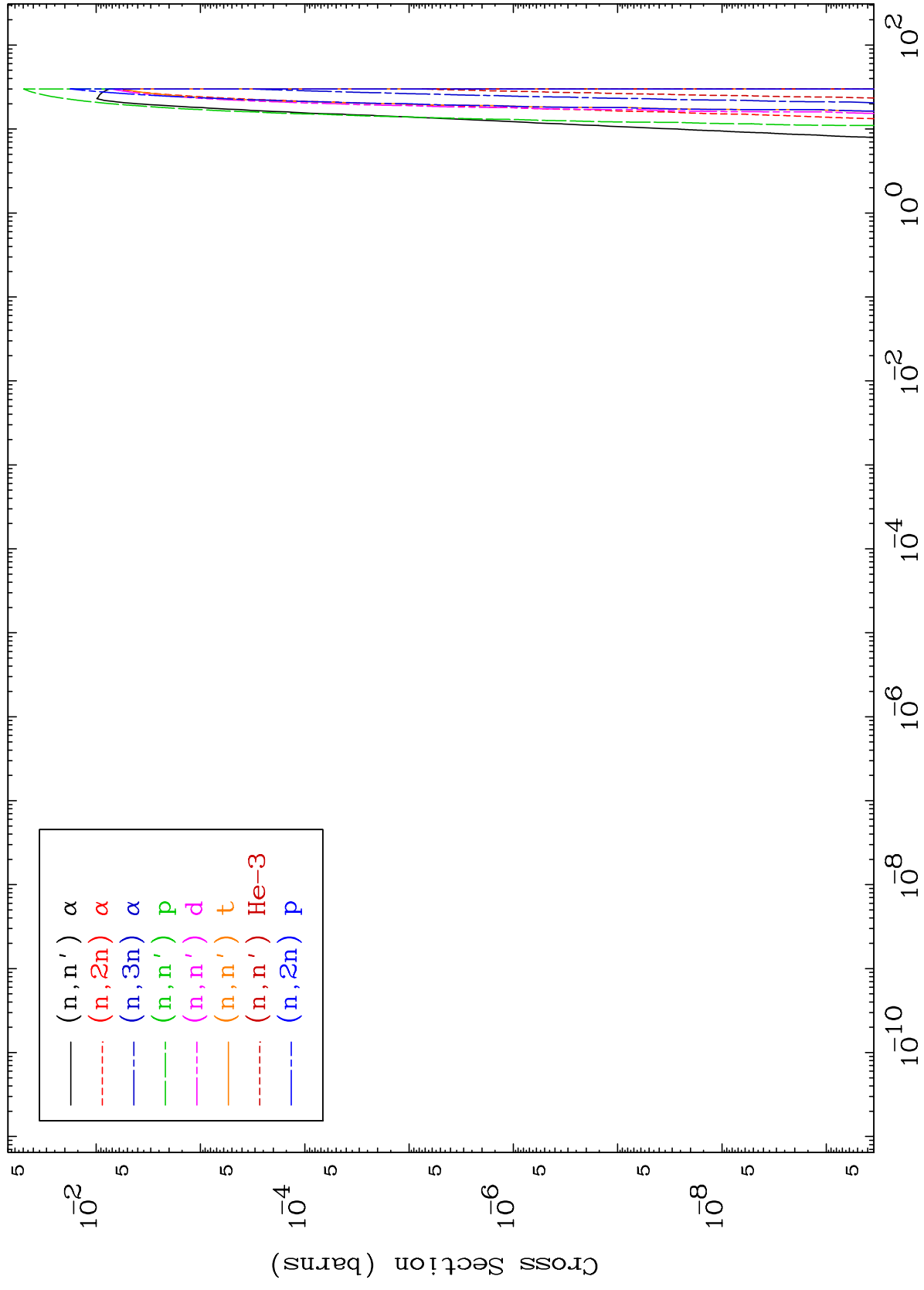
72-Hf-181



MAT 7246

293 Kelvin Cross Sections

72-Hf-181

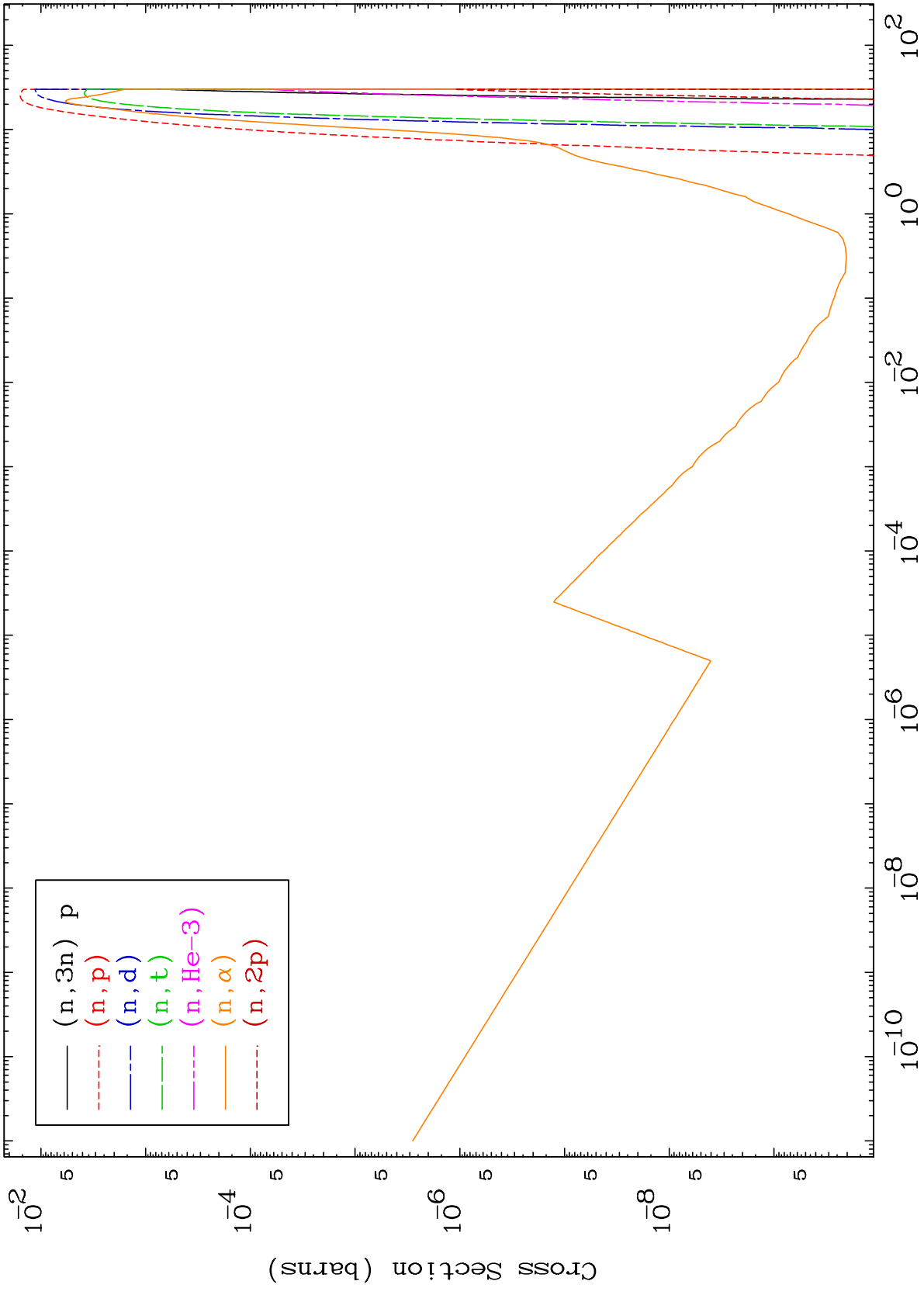


72-Hf-181

MAT 7246

Charged Particle
293 Kelvin Cross Sections

72-Hf-181



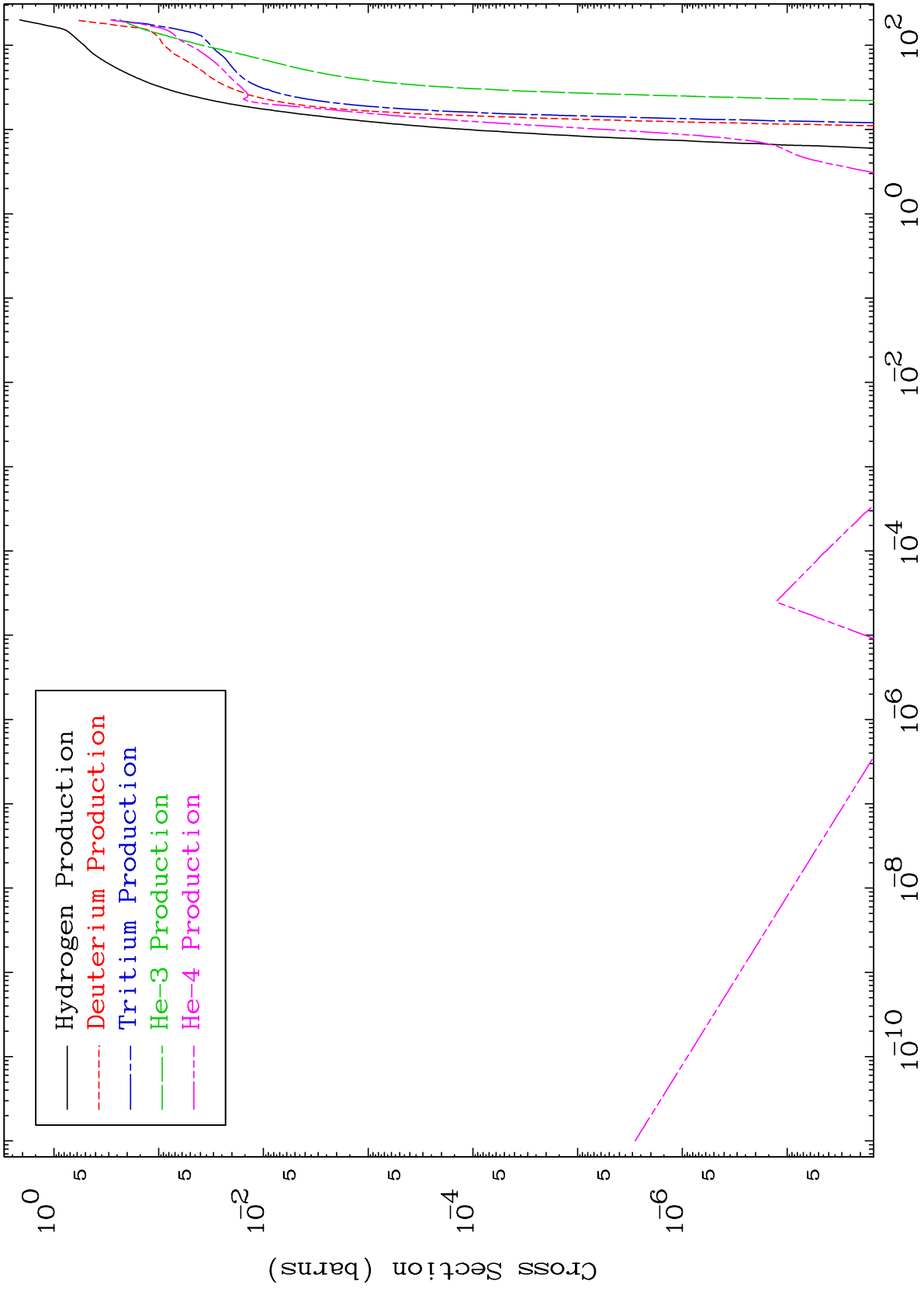
5

72-Hf-181

MAT 7246

Particle Production
293 Kelvin Cross Sections

72-Hf-181



6

Incident Energy (MeV)

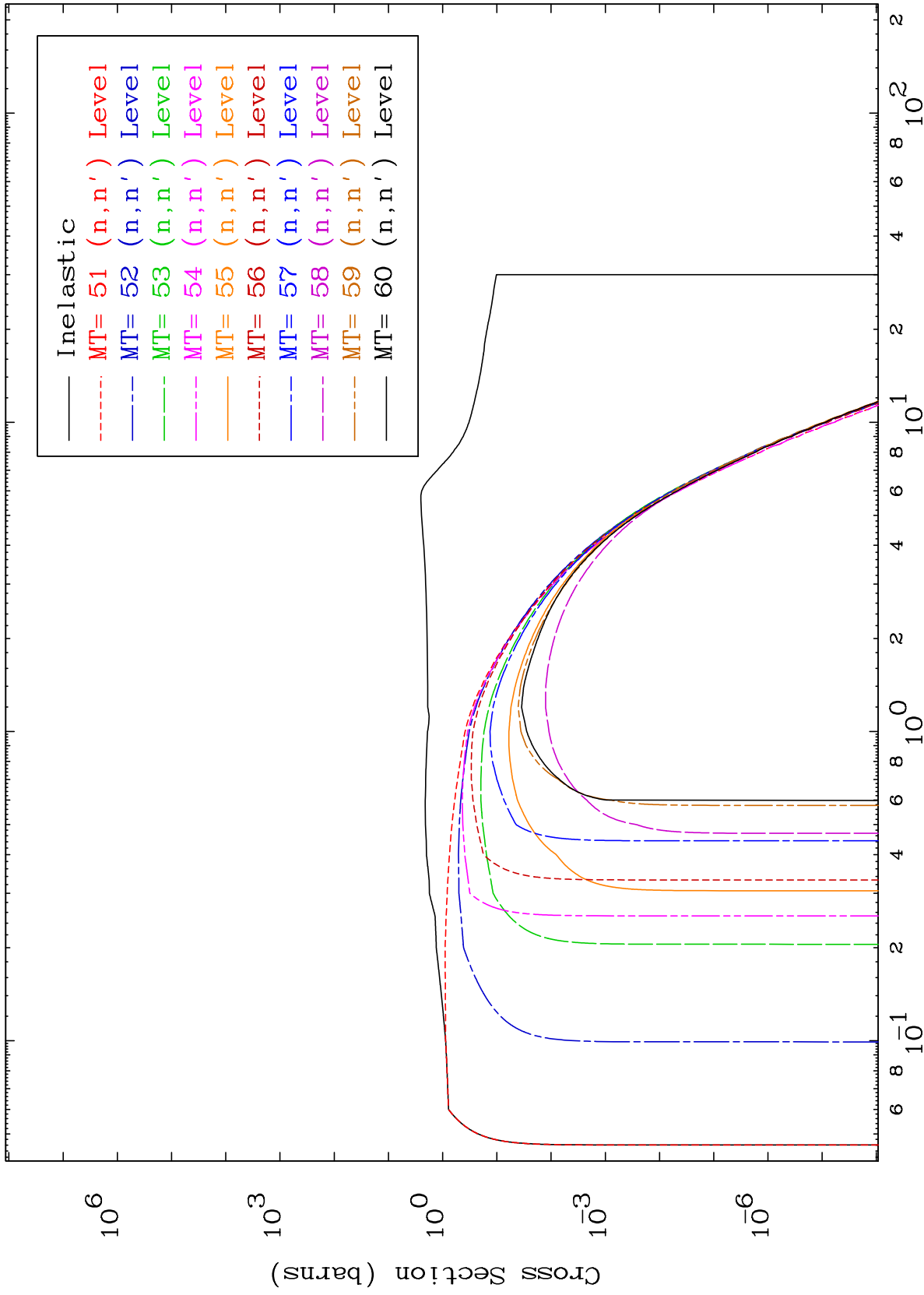
72-Hf-181

MAT 7246

(n,n') Level

72-Hf-181

293 Kelvin Cross Sections



7

Incident Energy (MeV)

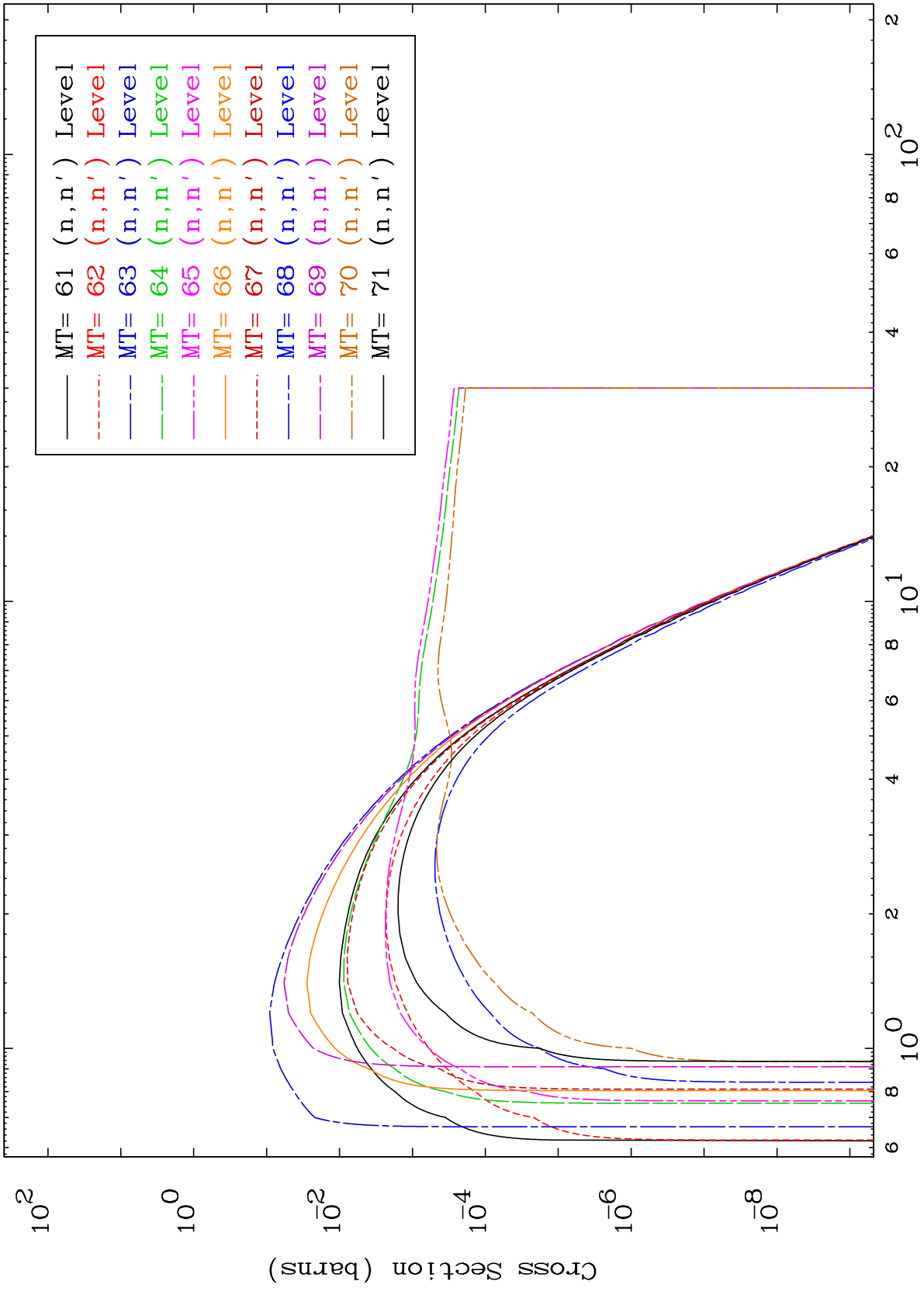
72-Hf-181

MAT 7246

(n,n') Level

72-Hf-181

293 Kelvin Cross Sections



8

Incident Energy (MeV)

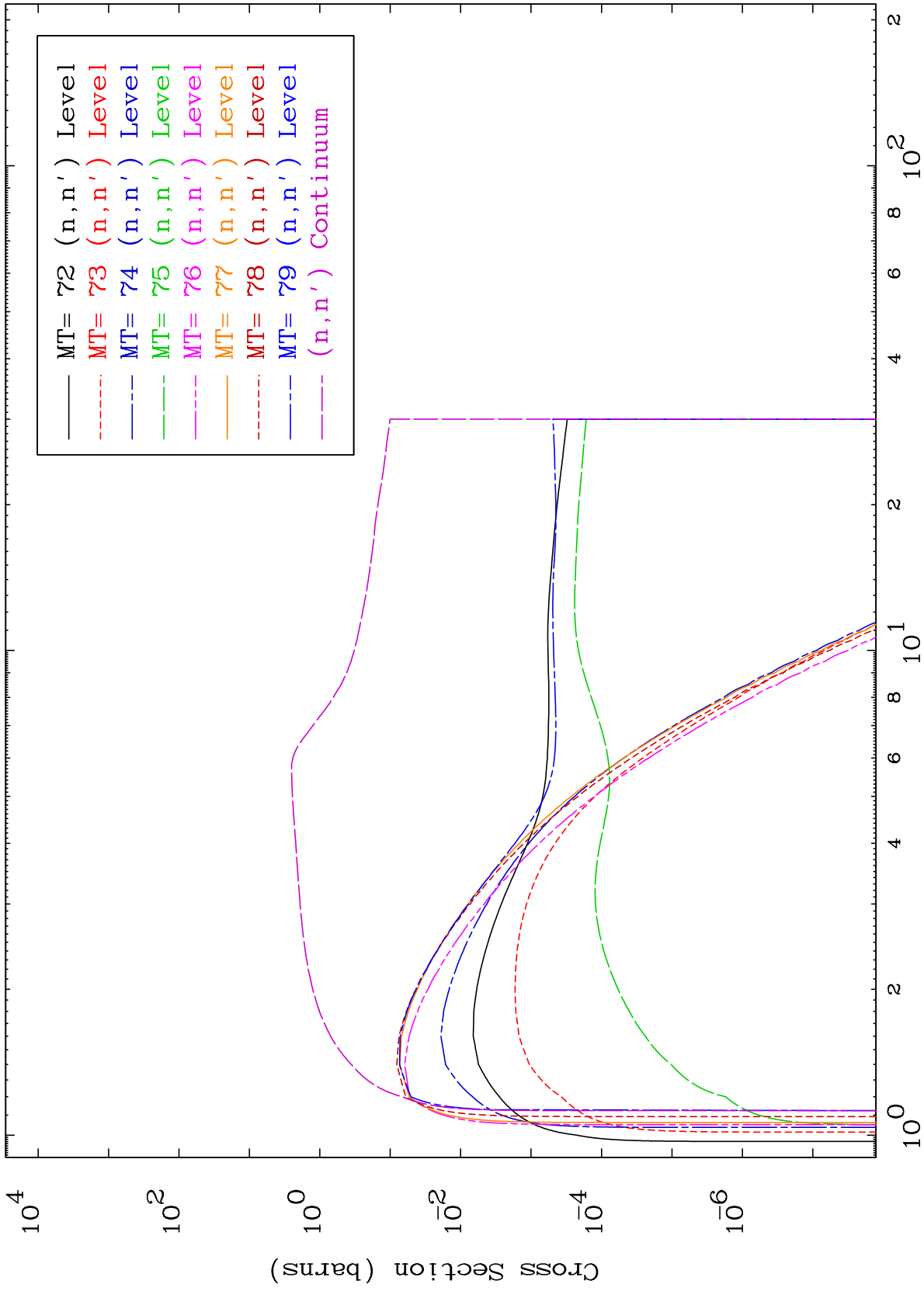
72-Hf-181

MAT 7246

(n,n') Level

72-Hf-181

293 Kelvin Cross Sections



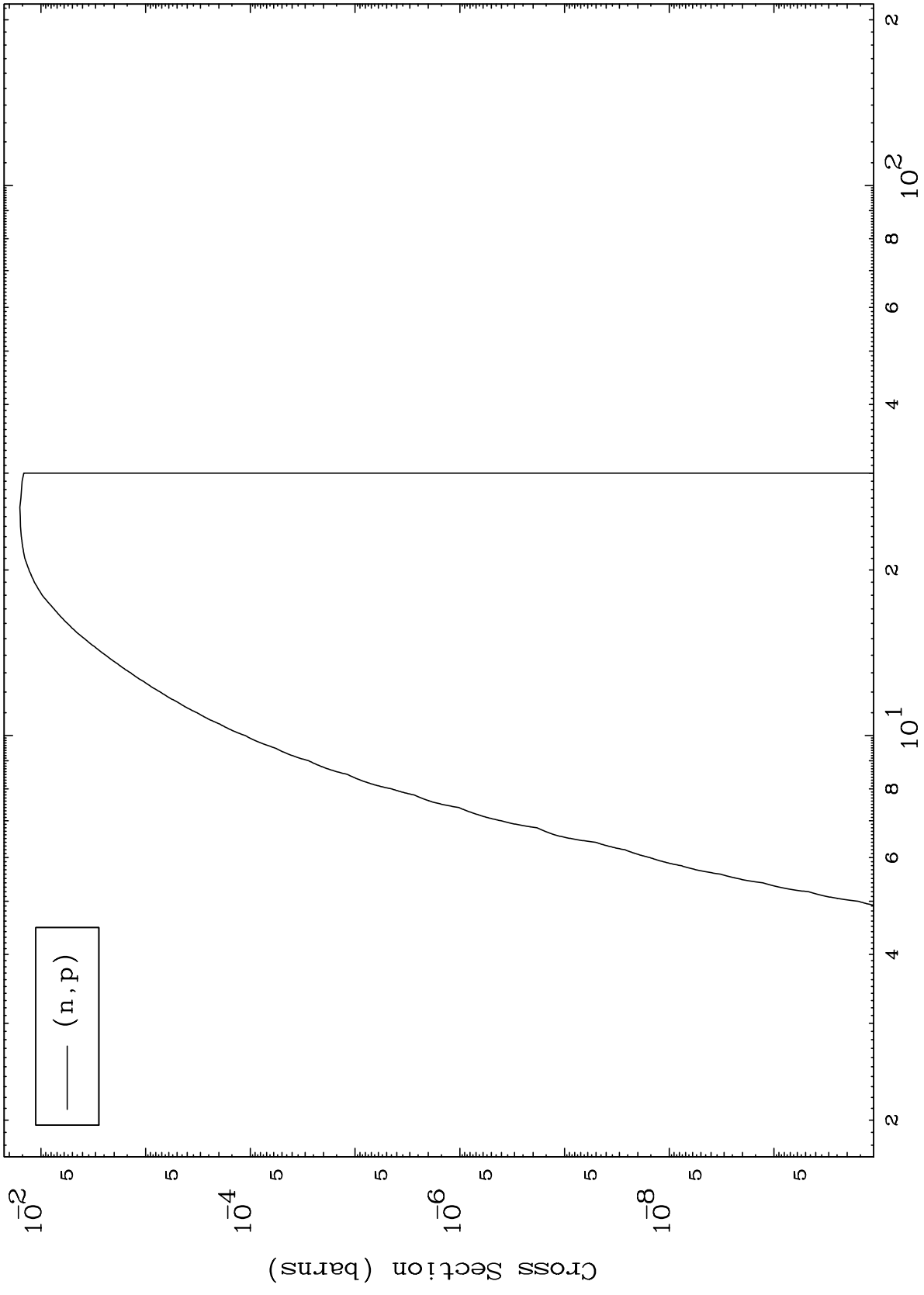
Incident Energy (MeV)

72-Hf-181

MAT 7246

(n,p) Levels
293 Kelvin Cross Sections

72-Hf-181



10

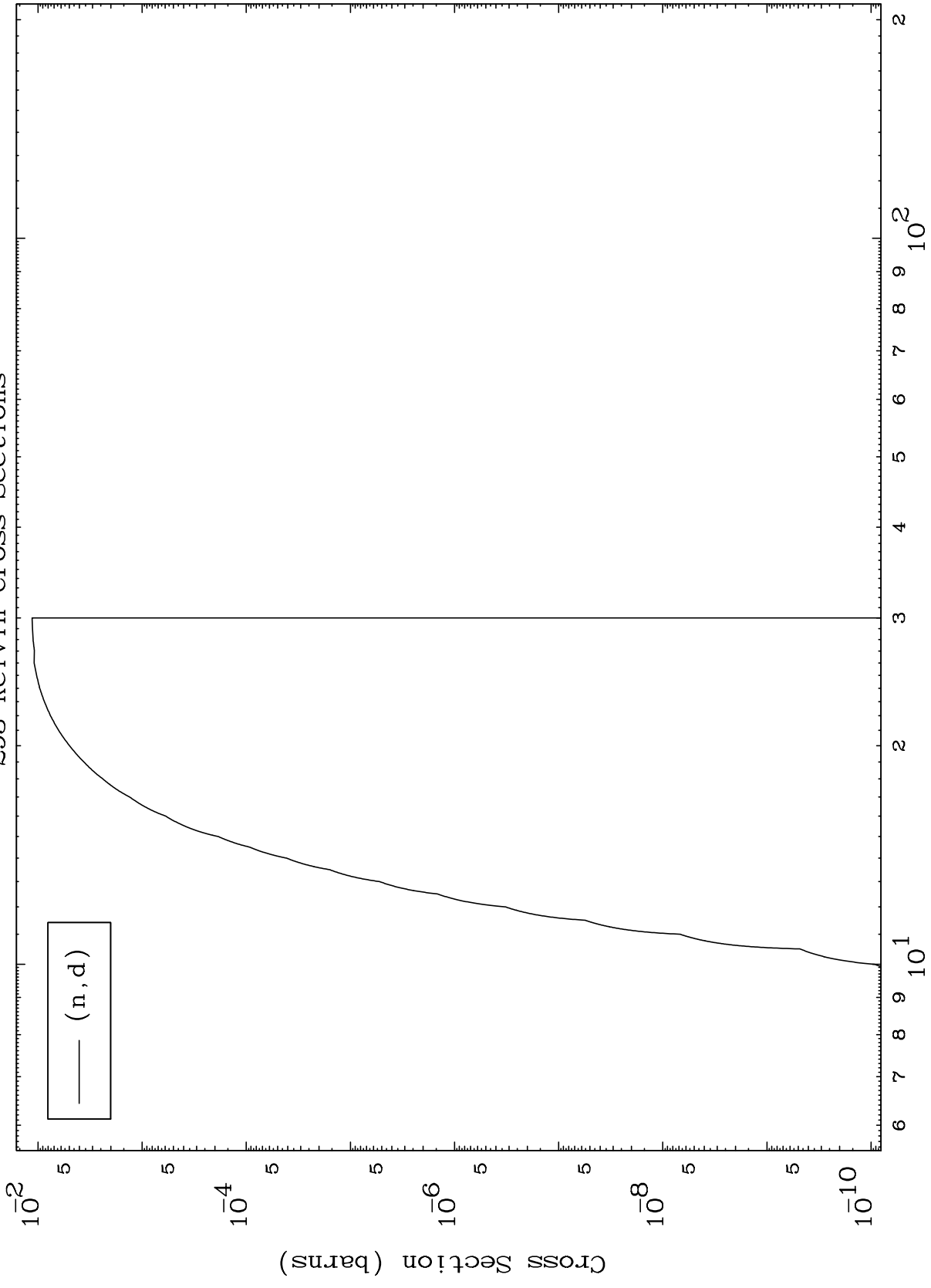
Incident Energy (MeV)

72-Hf-181

MAT 7246

(n,d) Levels
293 Kelvin Cross Sections

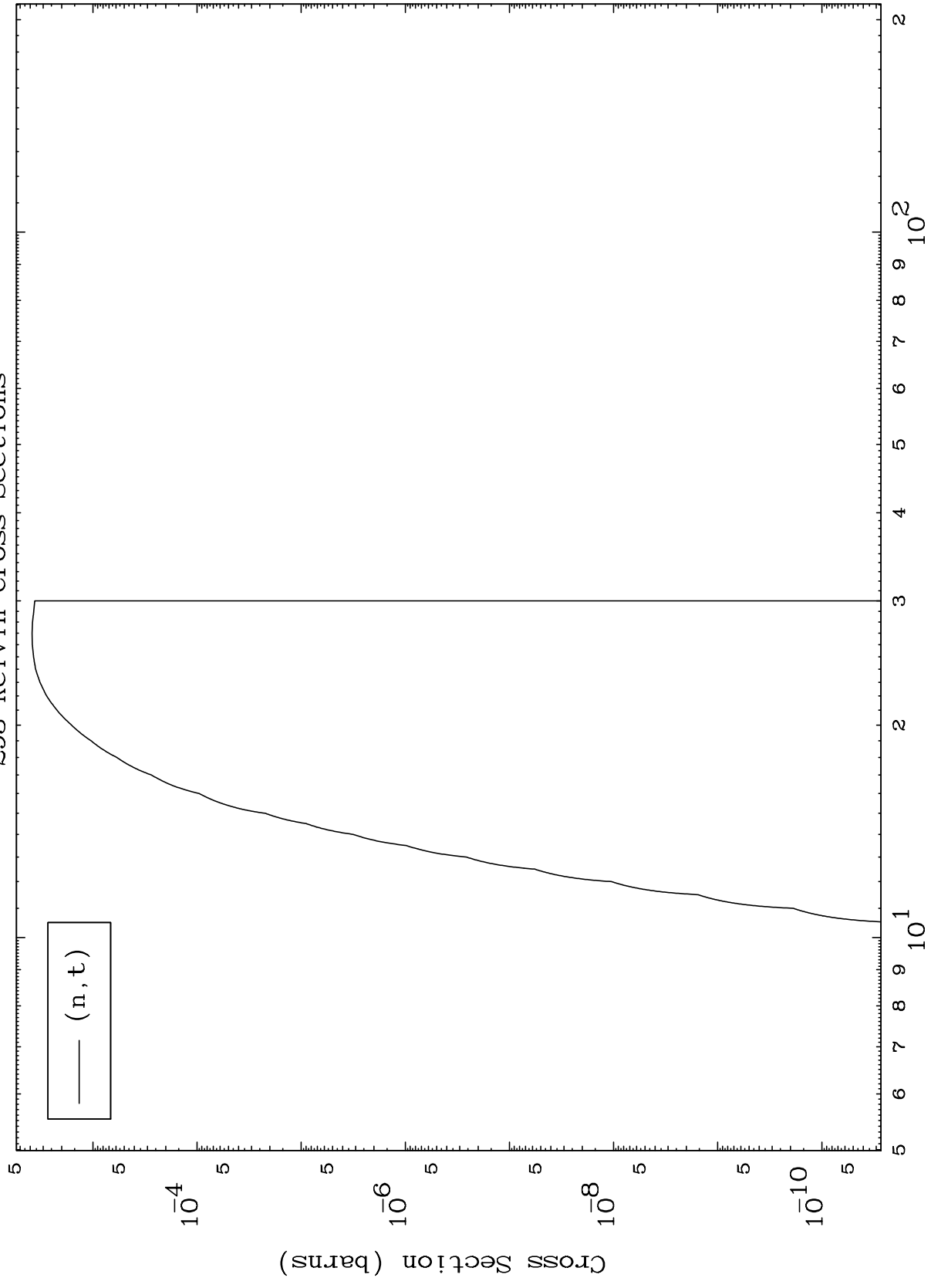
72-Hf-181



MAT 7246

(n,t) Levels
293 Kelvin Cross Sections

72-Hf-181



12

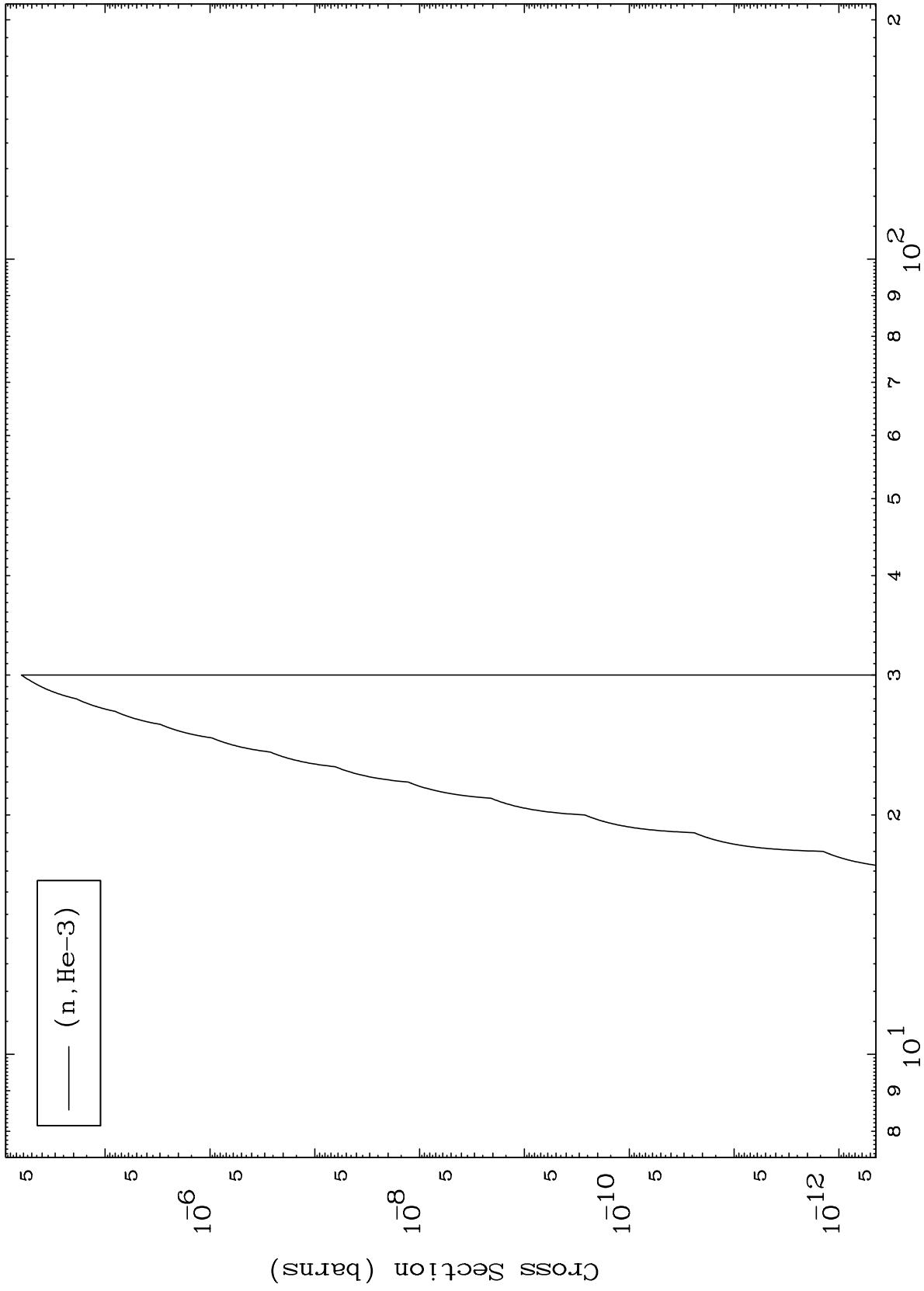
Incident Energy (MeV)

72-Hf-181

MAT 7246

(n,He3) Levels
293 Kelvin Cross Sections

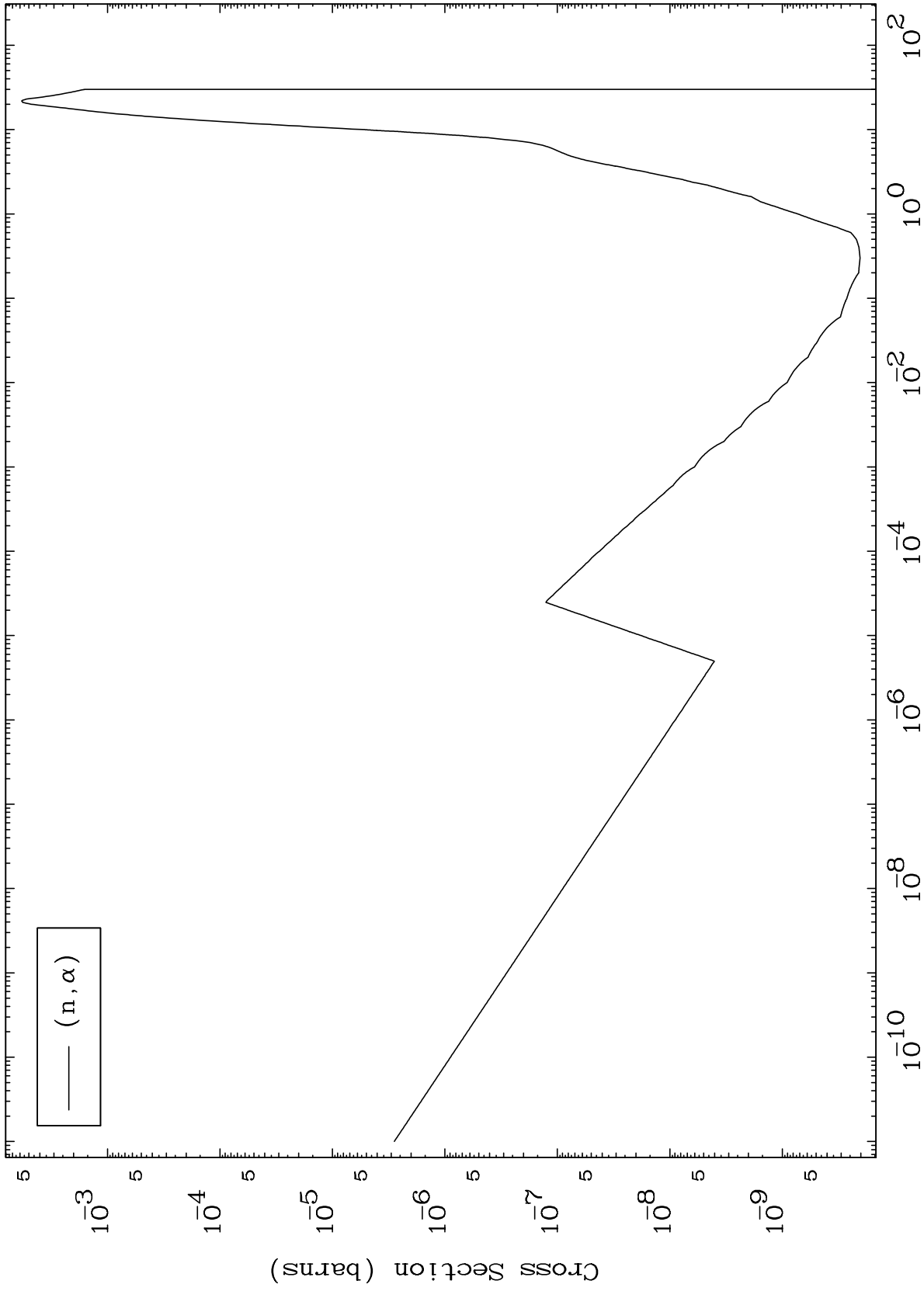
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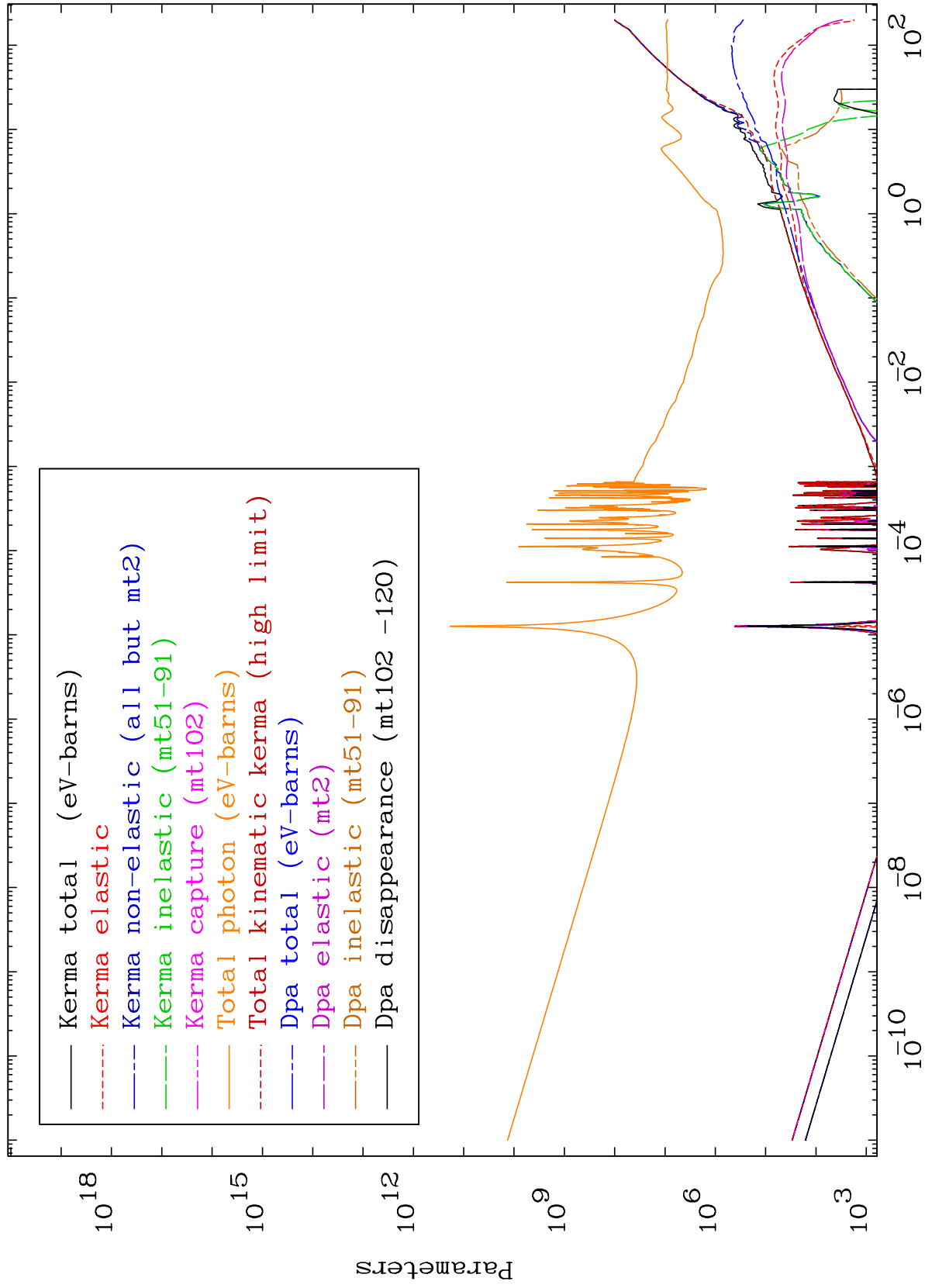


MAT 7246

(n,α) Levels
293 Kelvin Cross Sections

72-Hf-181

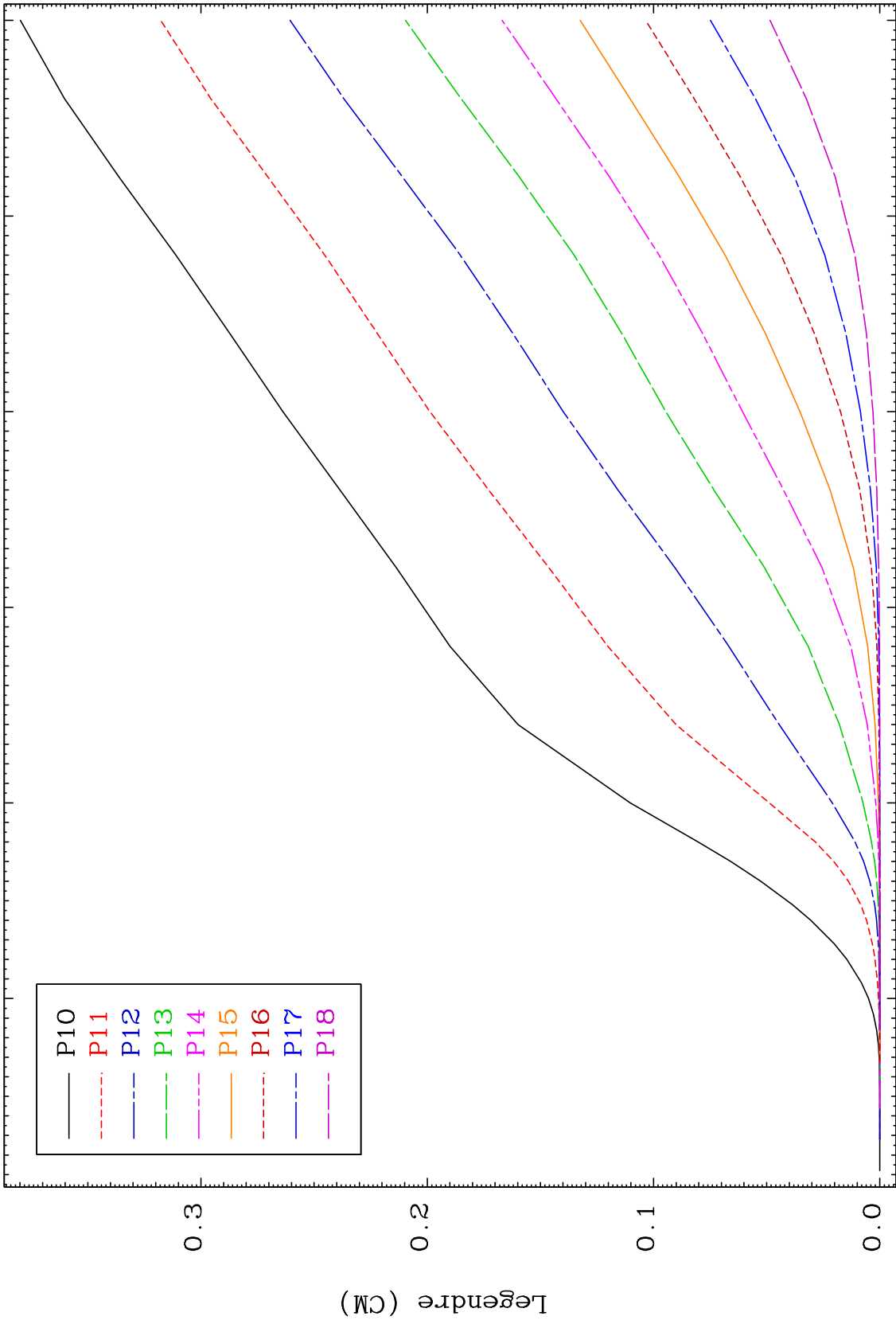




MAT 7246

Elastic Legendre Coefficients

72-Hf-181



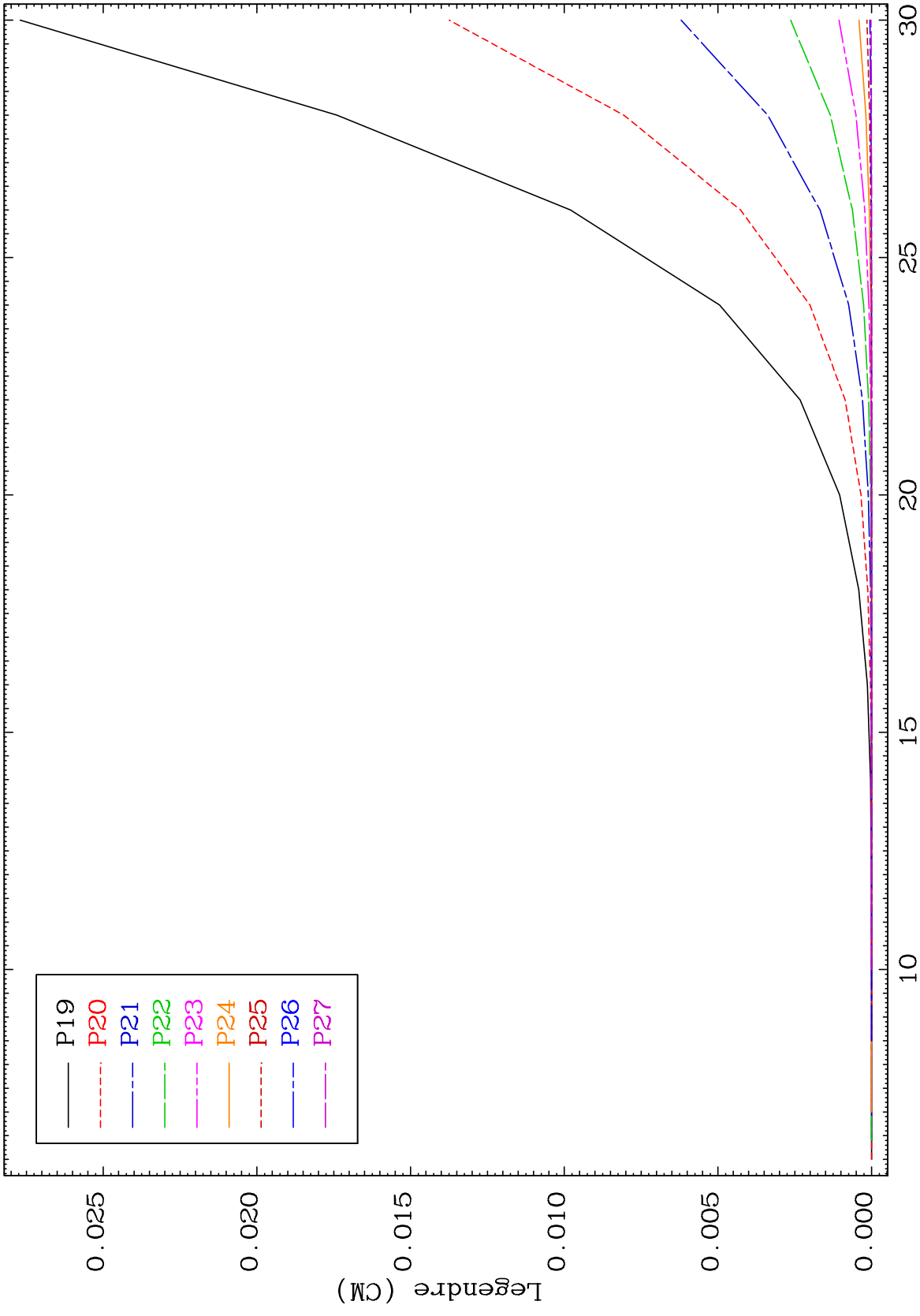
17

72-Hf-181

MAT 7246

Elastic Legendre Coefficients

72-Hf-181



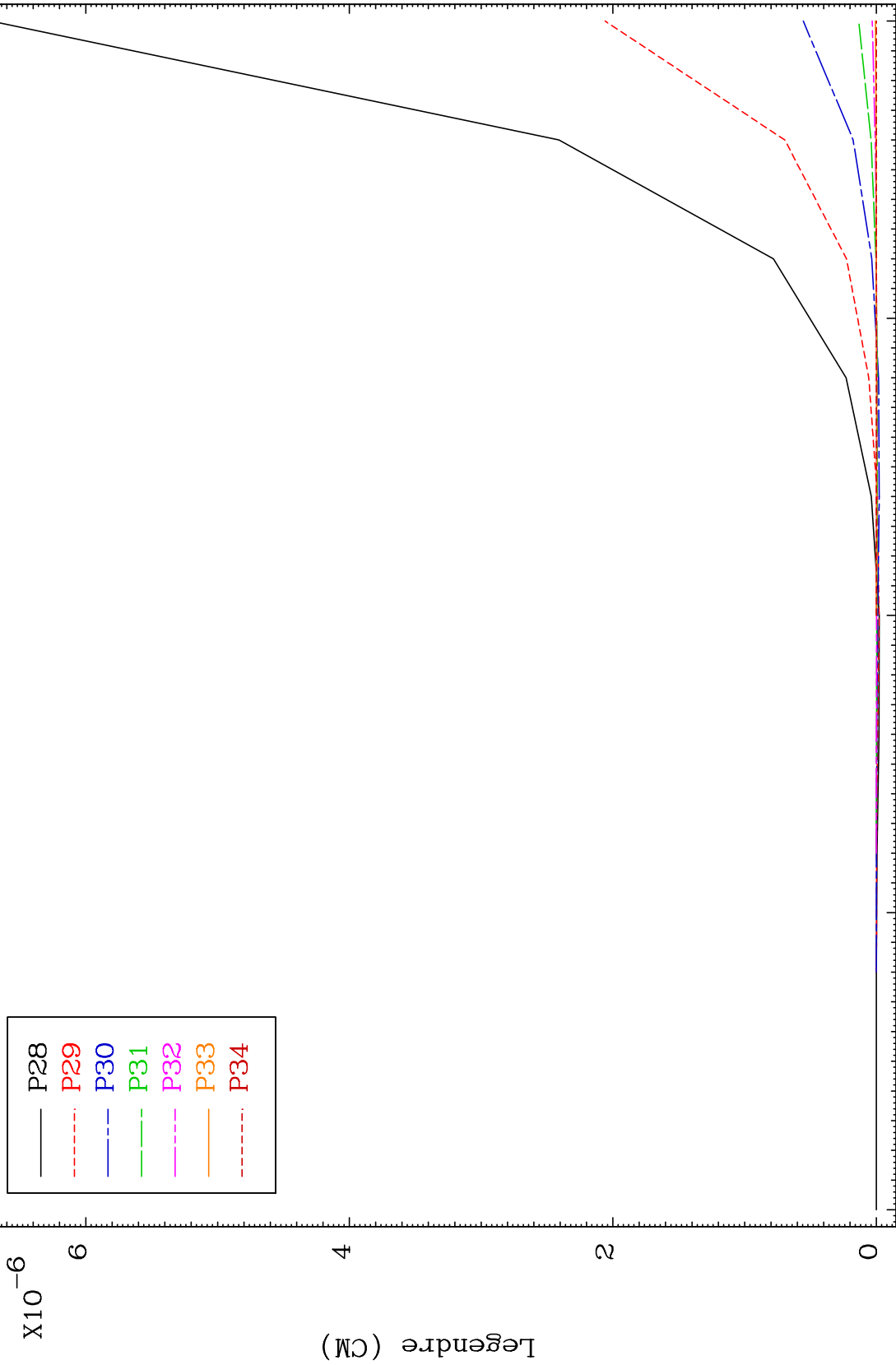
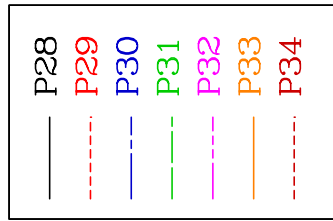
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72-Hf-181

MAT 7246

Elastic Legendre Coefficients

72-Hf-181

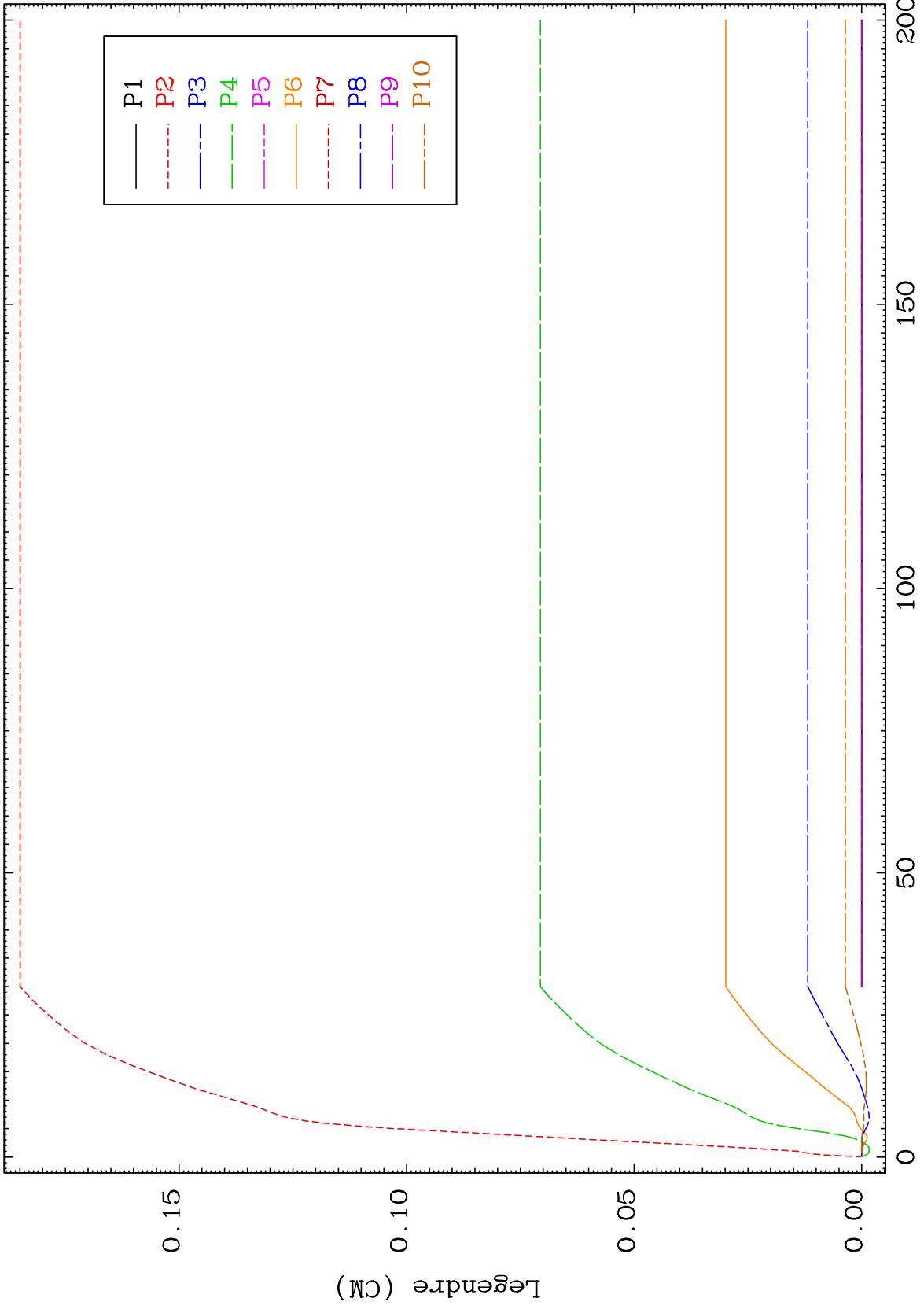


19

Incident Energy (MeV)

72-Hf-181

MAT 7246 MT= 51 (n,n') Level Legendre Coefficients 72-Hf-181

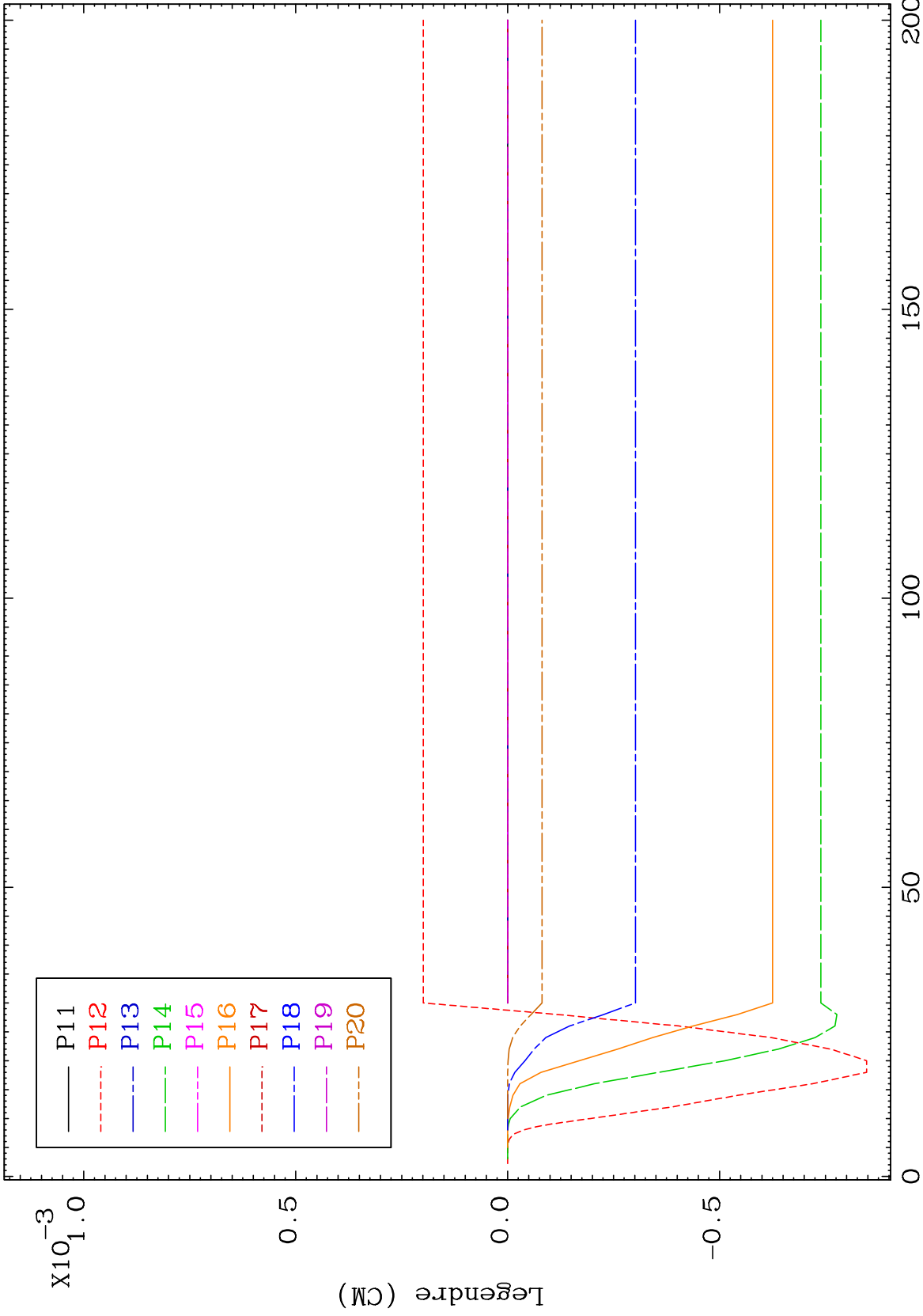


72-Hf-181

MAT 7246

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

72-Hf-181

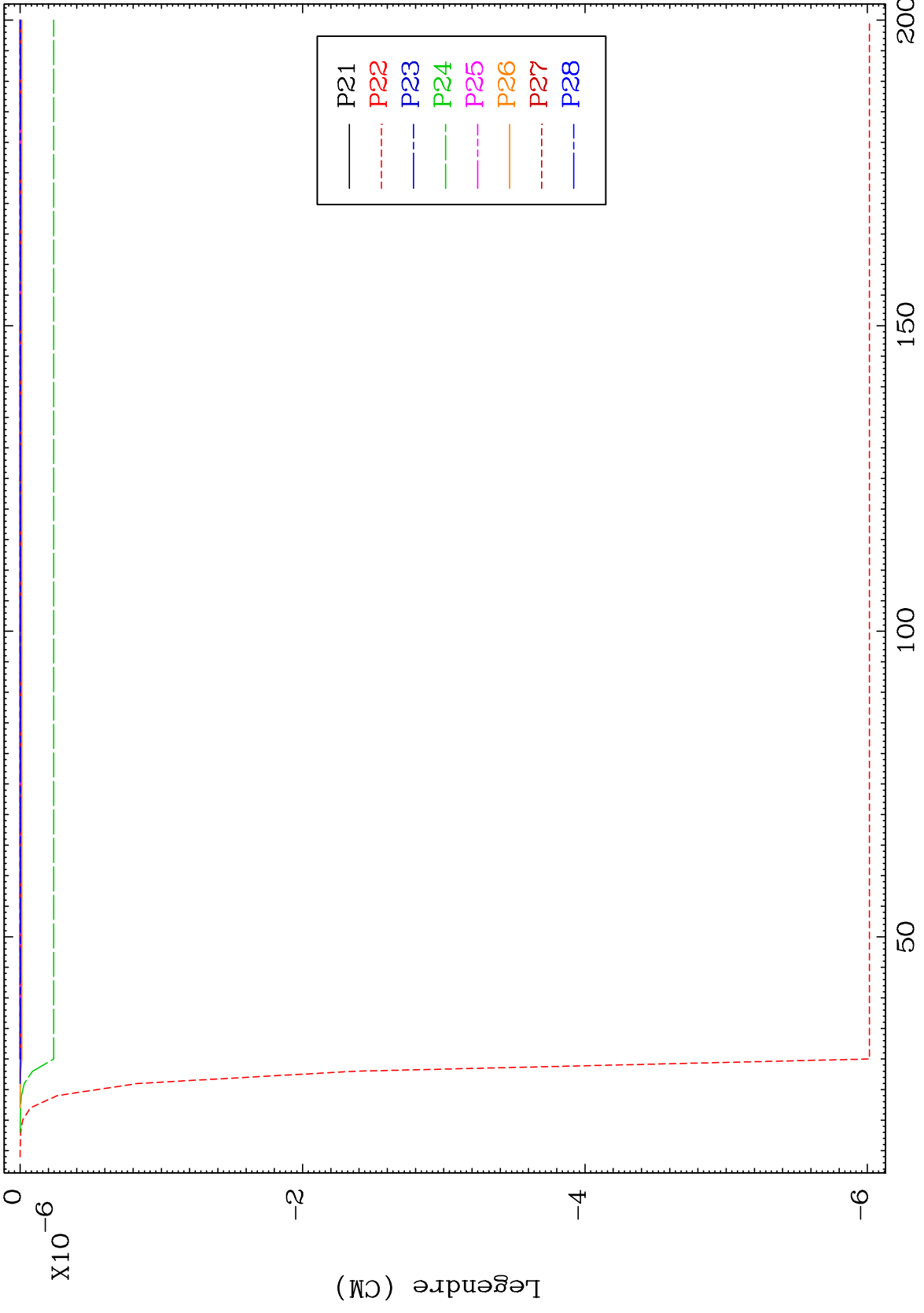


21

Incident Energy (MeV)

72-Hf-181

MAT 7246 MT= 51 (n,n') Level Legendre Coefficients 72-Hf-181

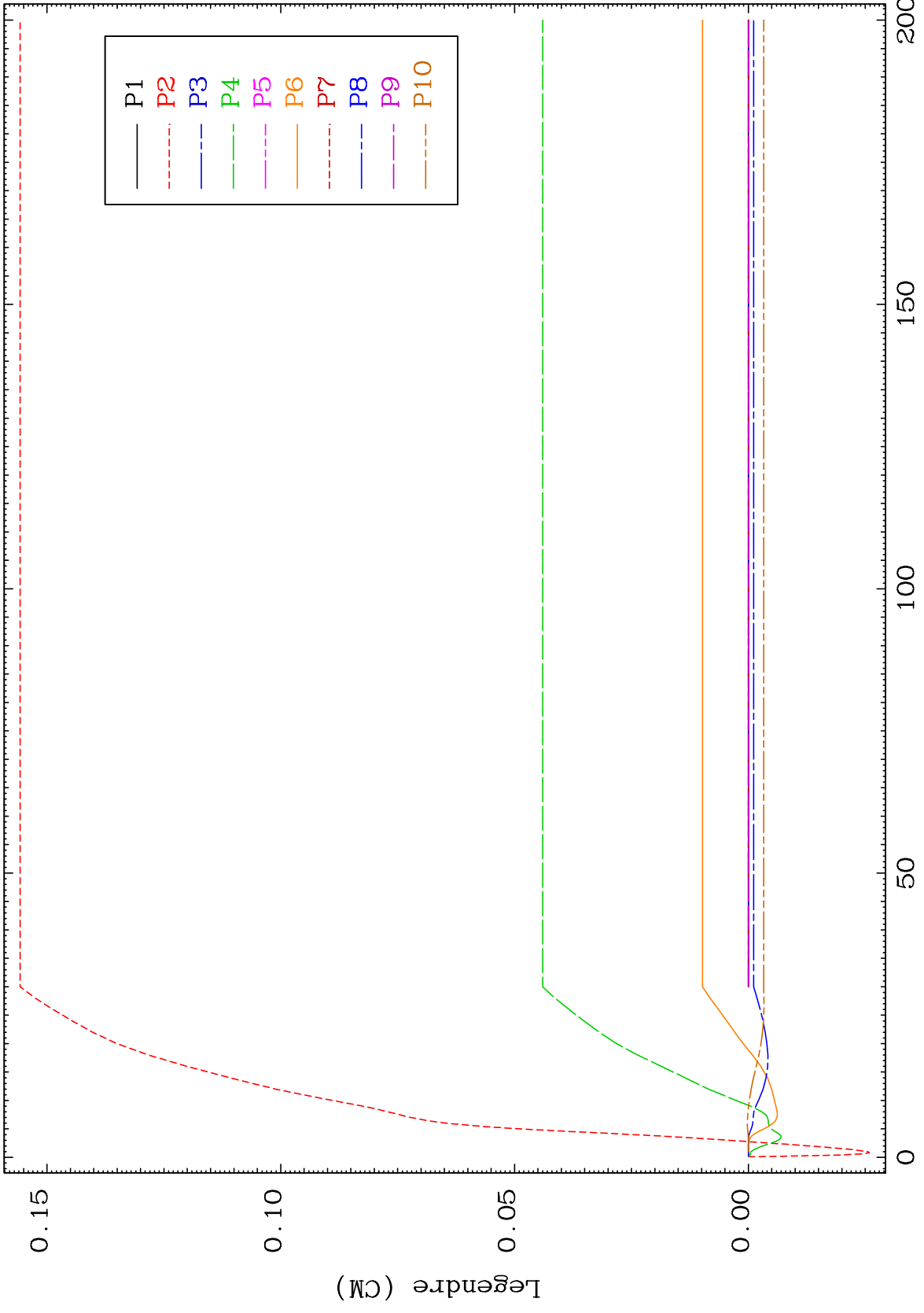


22 72-Hf-181

MAT 7246

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

72-Hf-181



23

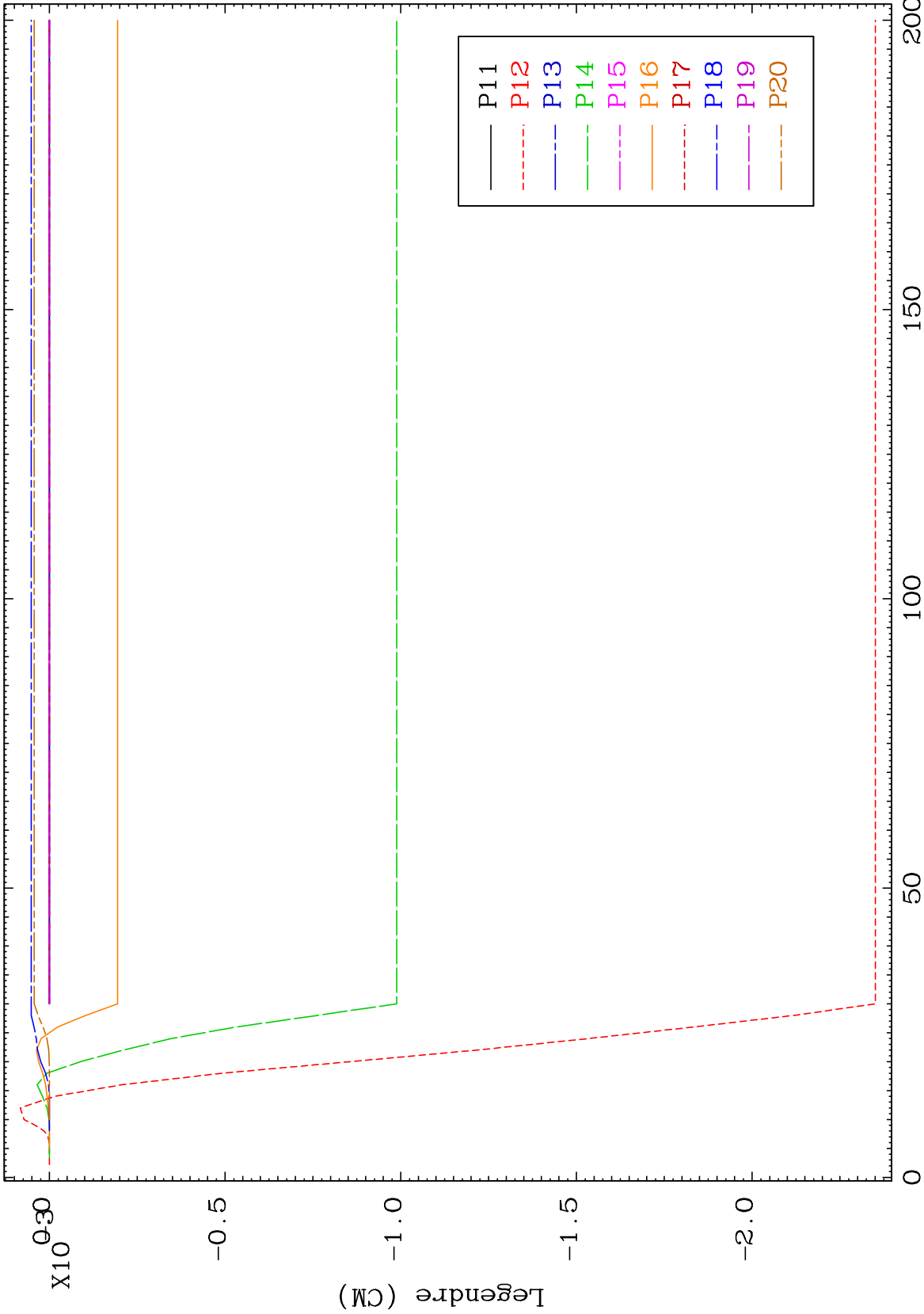
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

72-Hf-181



24

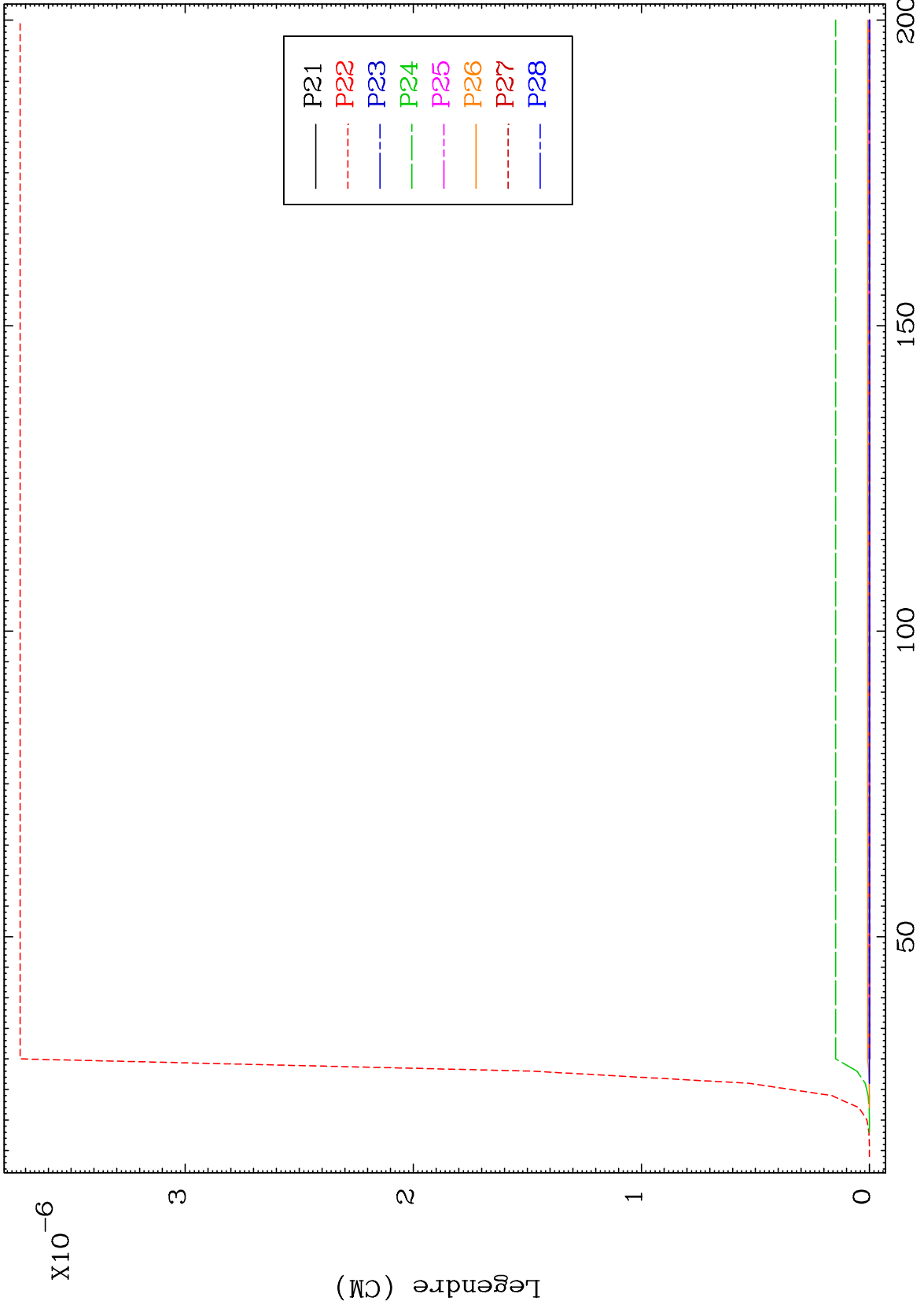
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

72-Hf-181



25

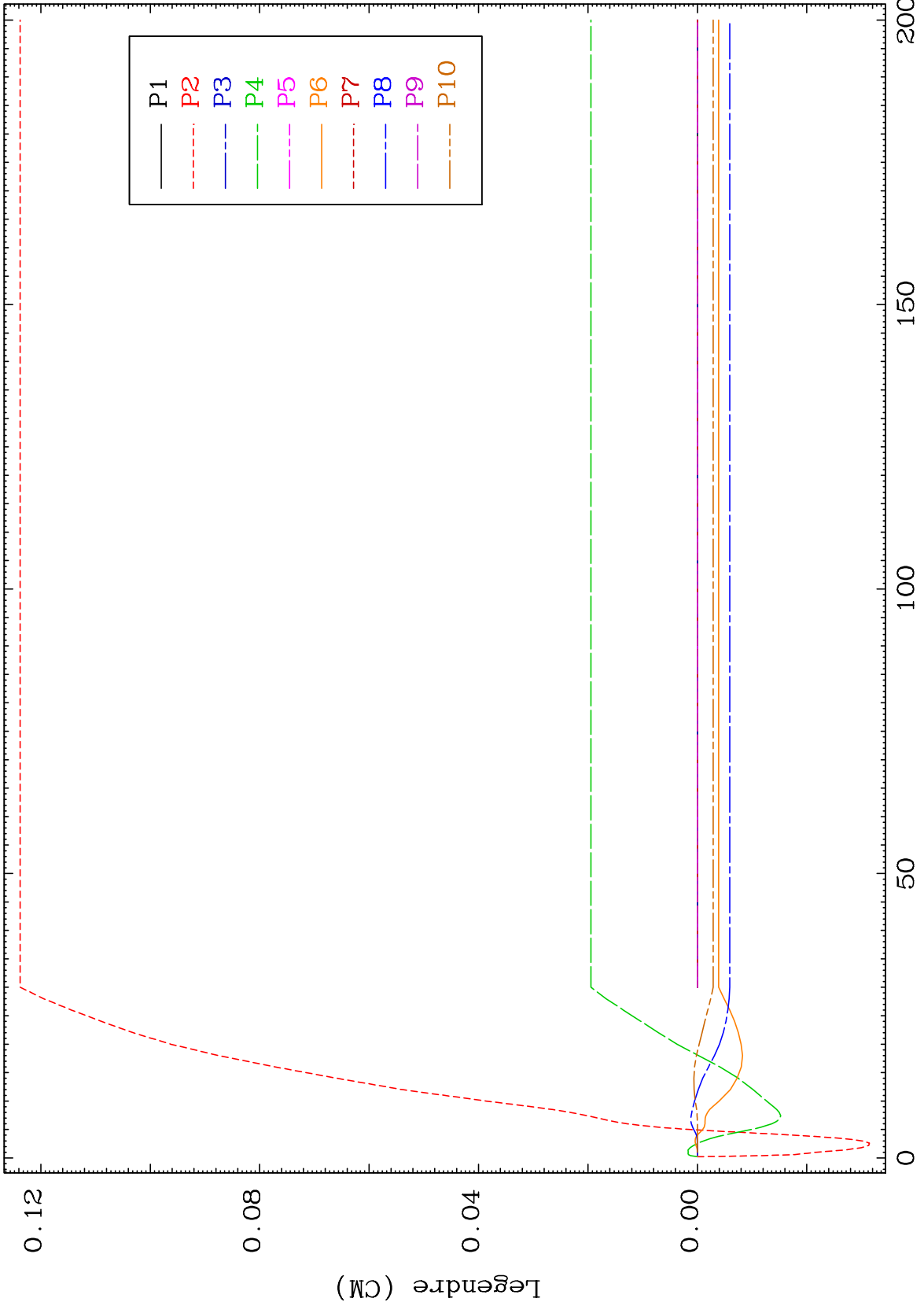
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

72-Hf-181



26

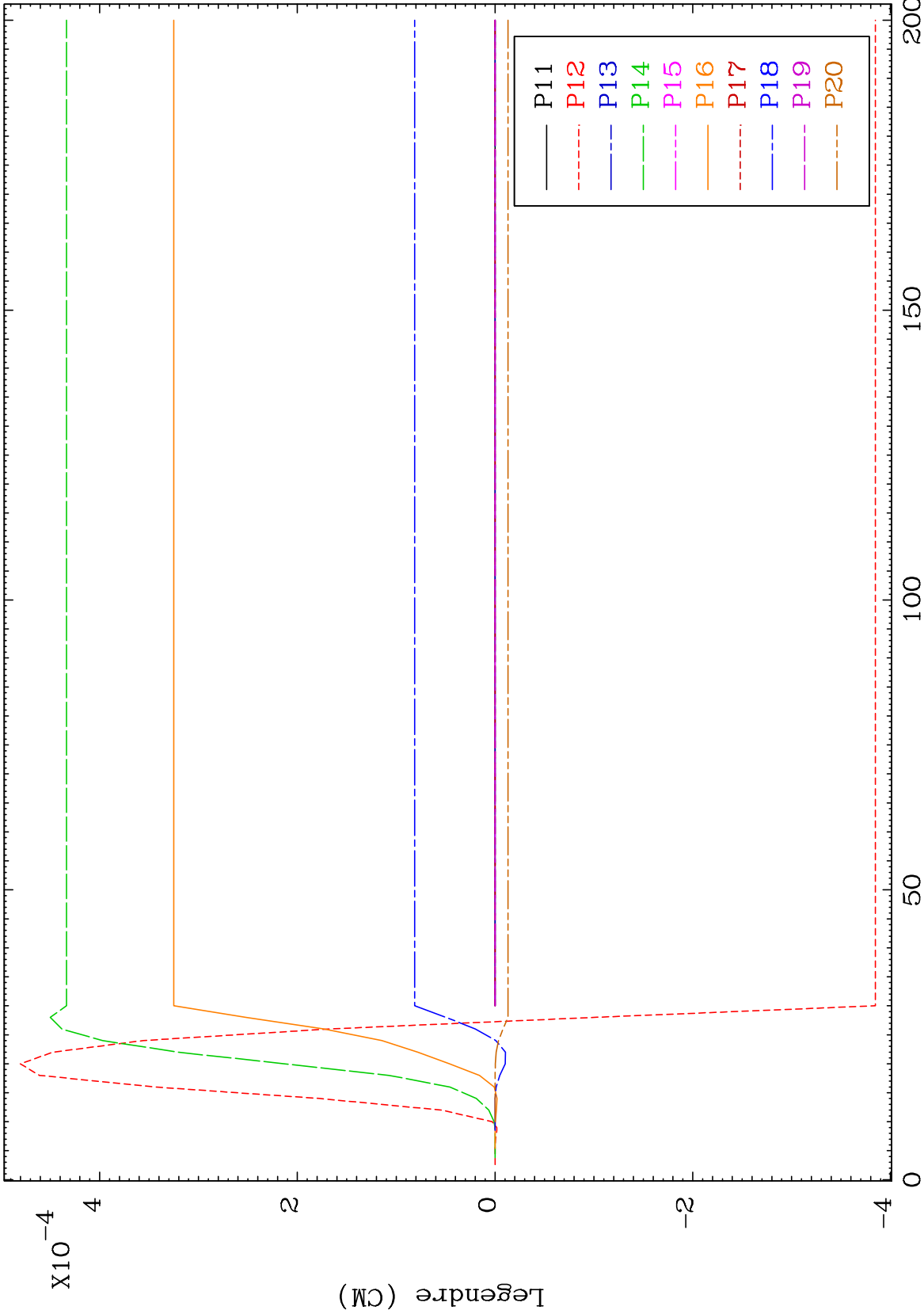
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

72-Hf-181

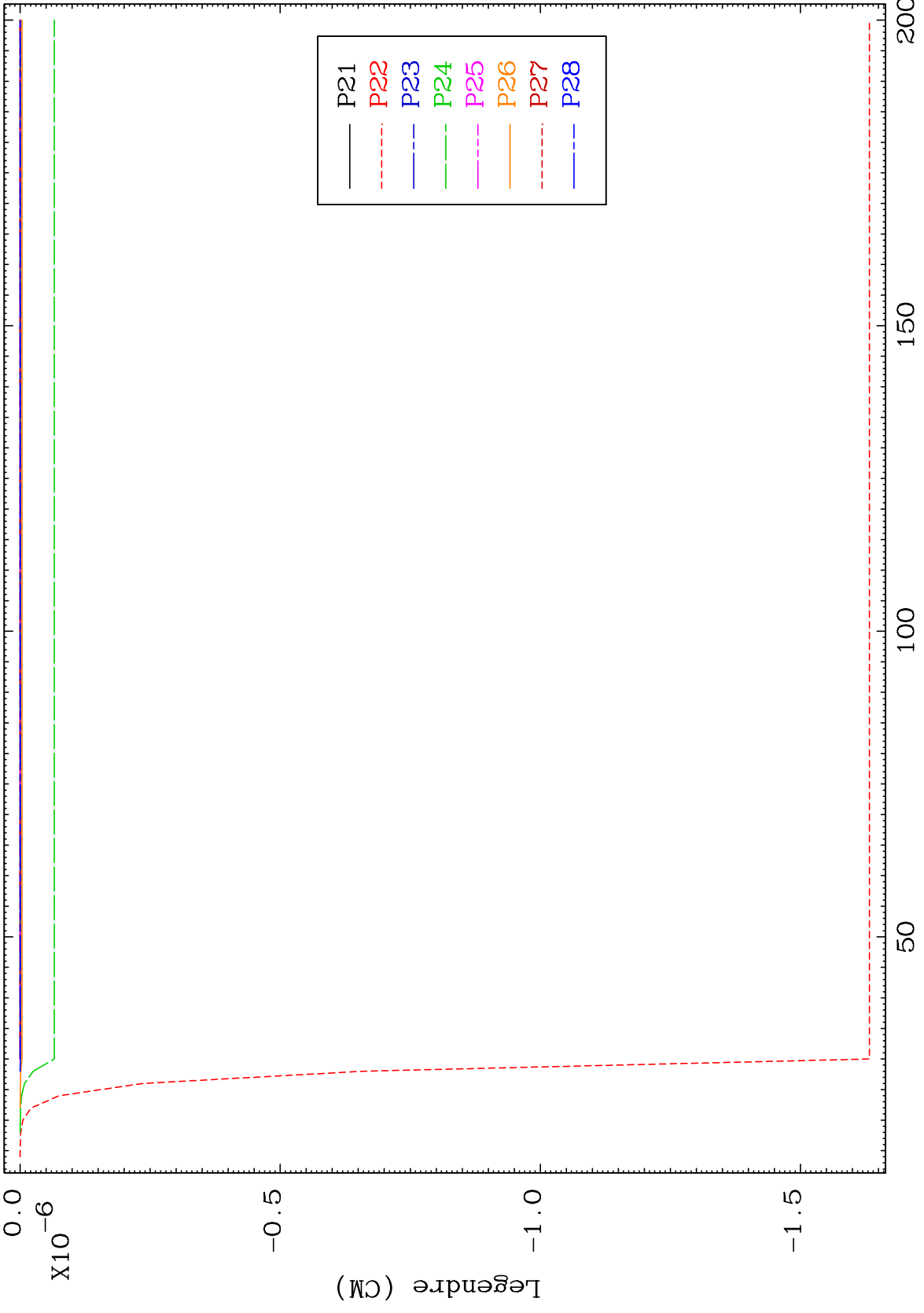


27

Incident Energy (MeV)

72-Hf-181

MAT 7246 MT= 53 (n,n') Level Legendre Coefficients 72-Hf-181

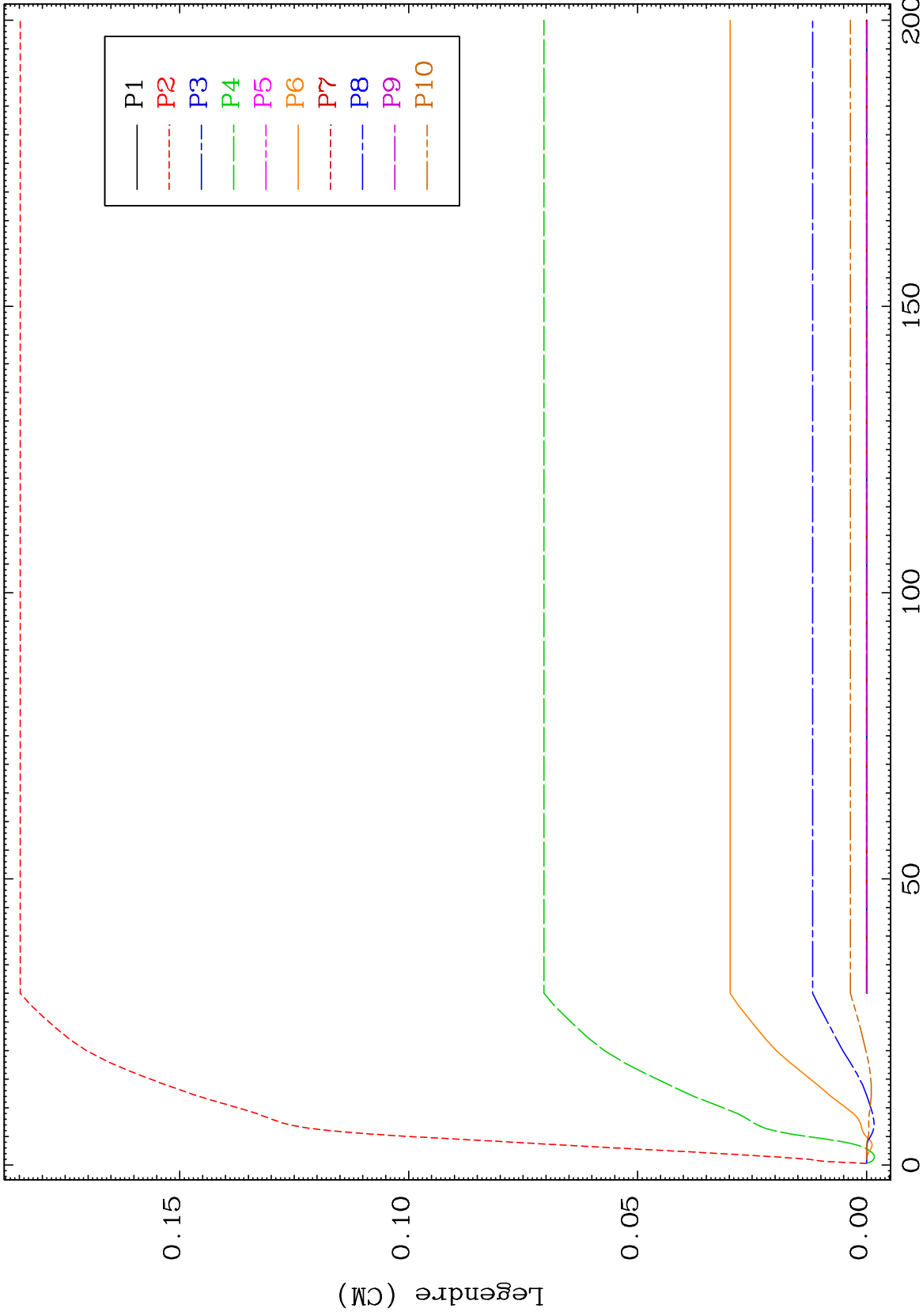


28 Incident Energy (MeV) 72-Hf-181

MAT 7246

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

72-Hf-181



29

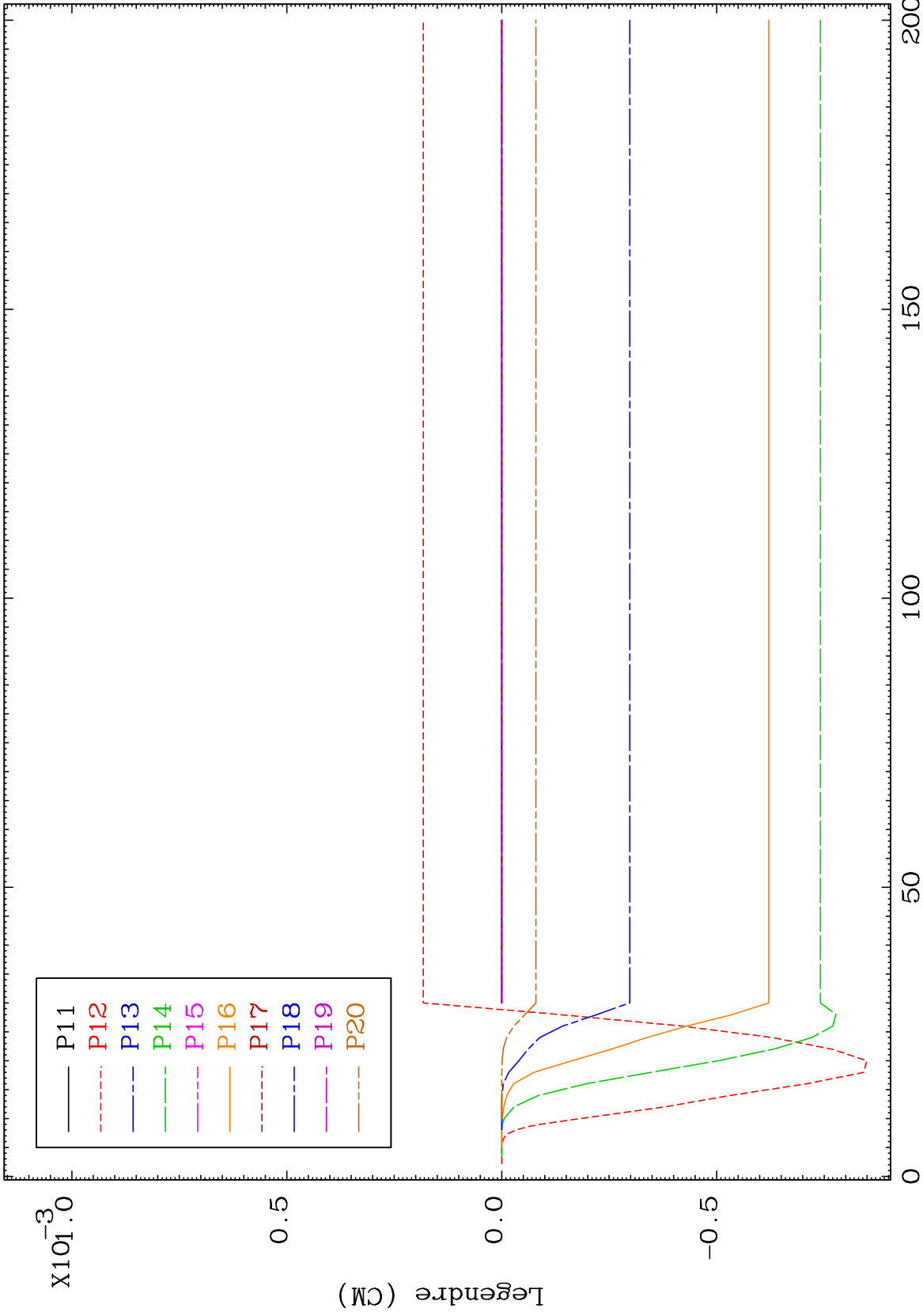
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

72-Hf-181

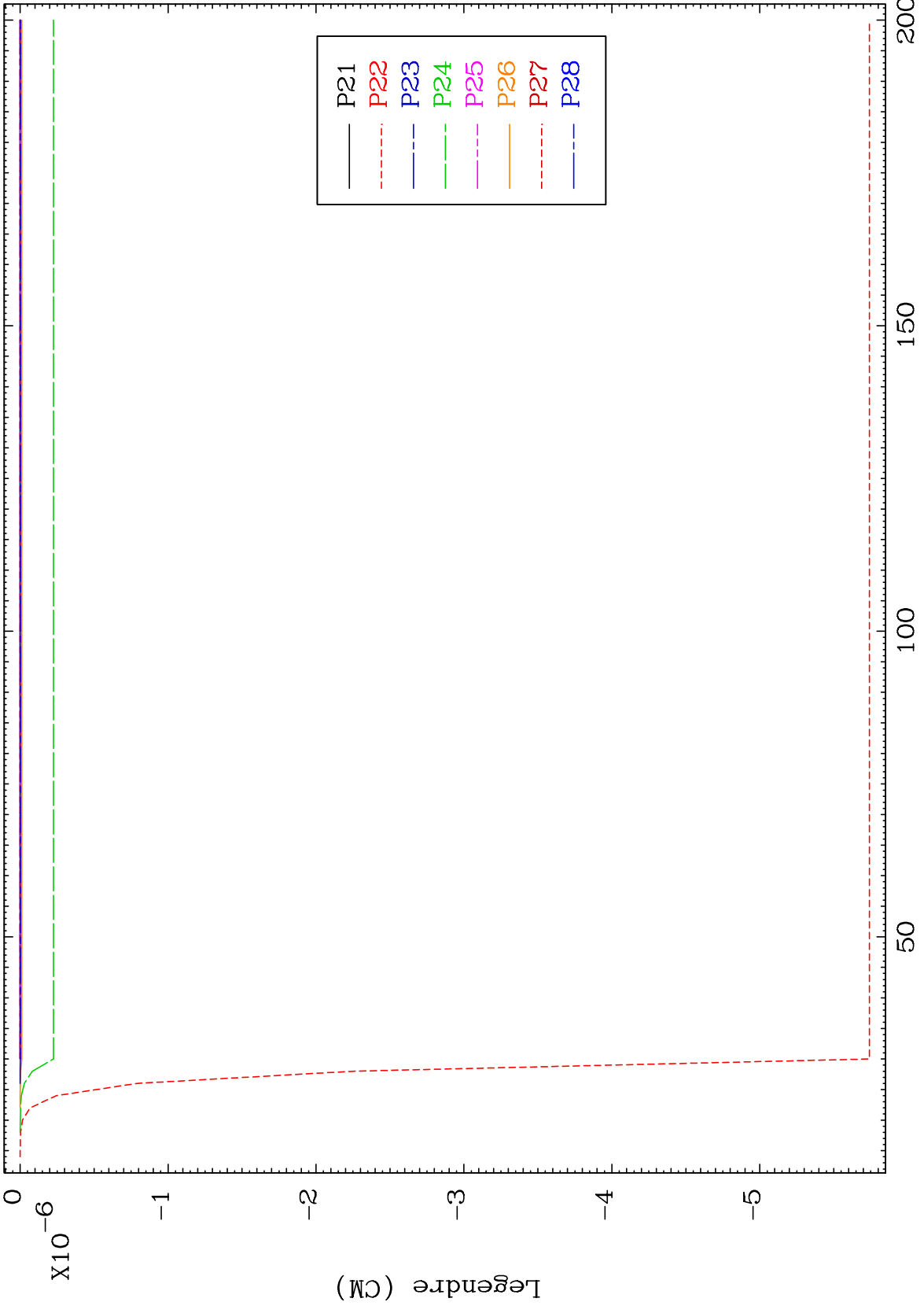


30

Incident Energy (MeV)

72-Hf-181

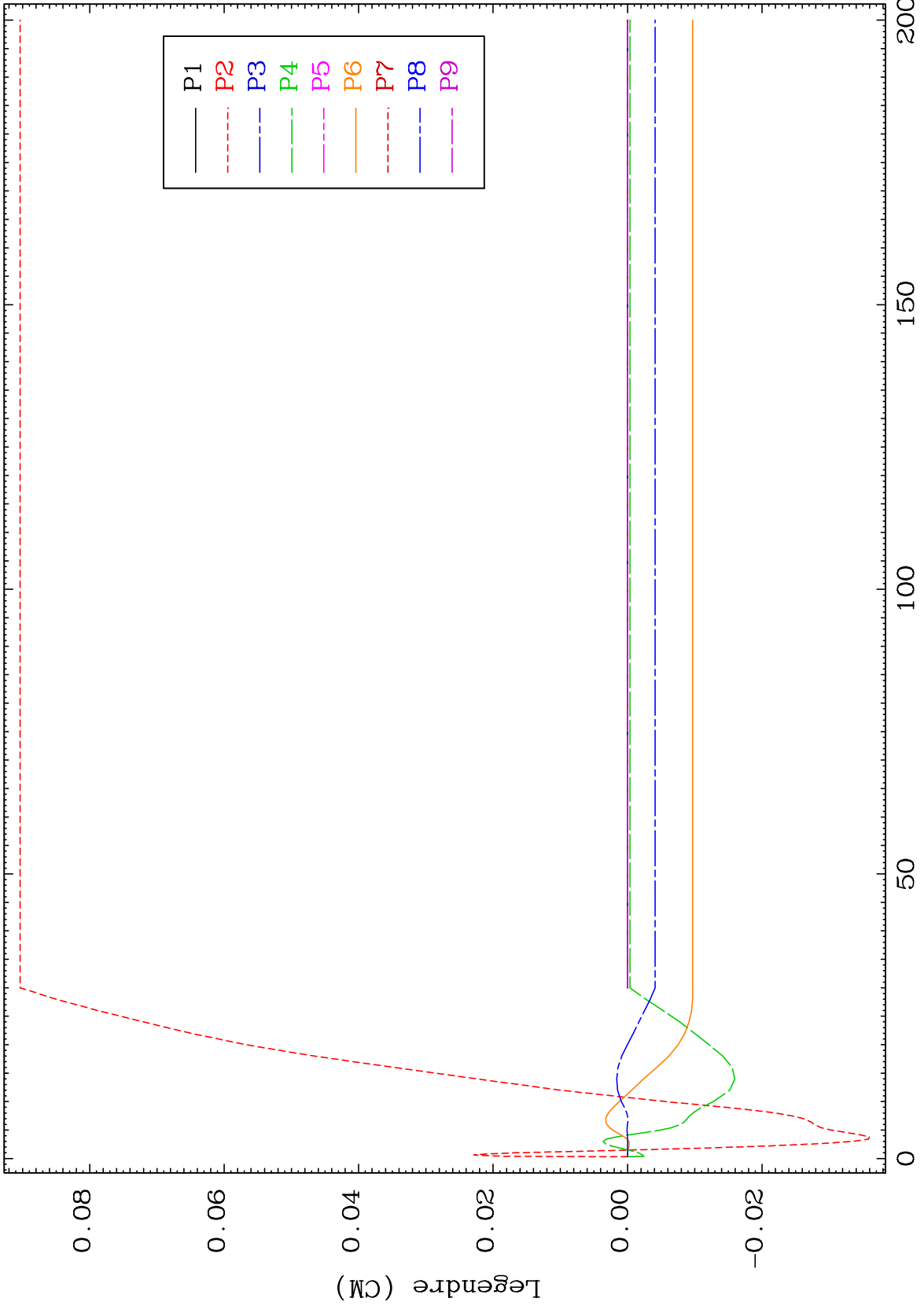
MAT 7246 MT= 54 (n,n') Level Legendre Coefficients 72-Hf-181



MAT 7246

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

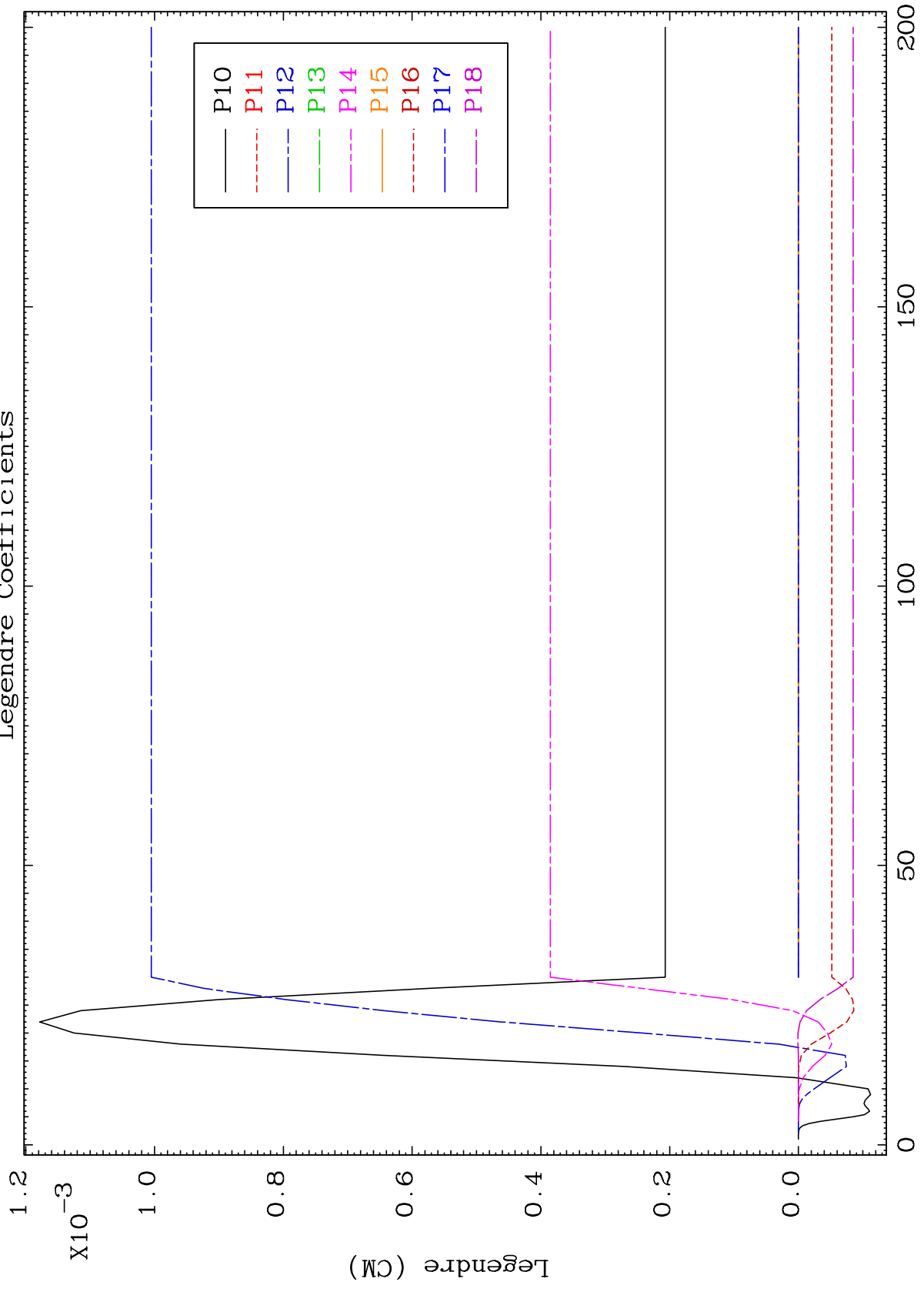
72-Hf-181



32

Incident Energy (MeV)

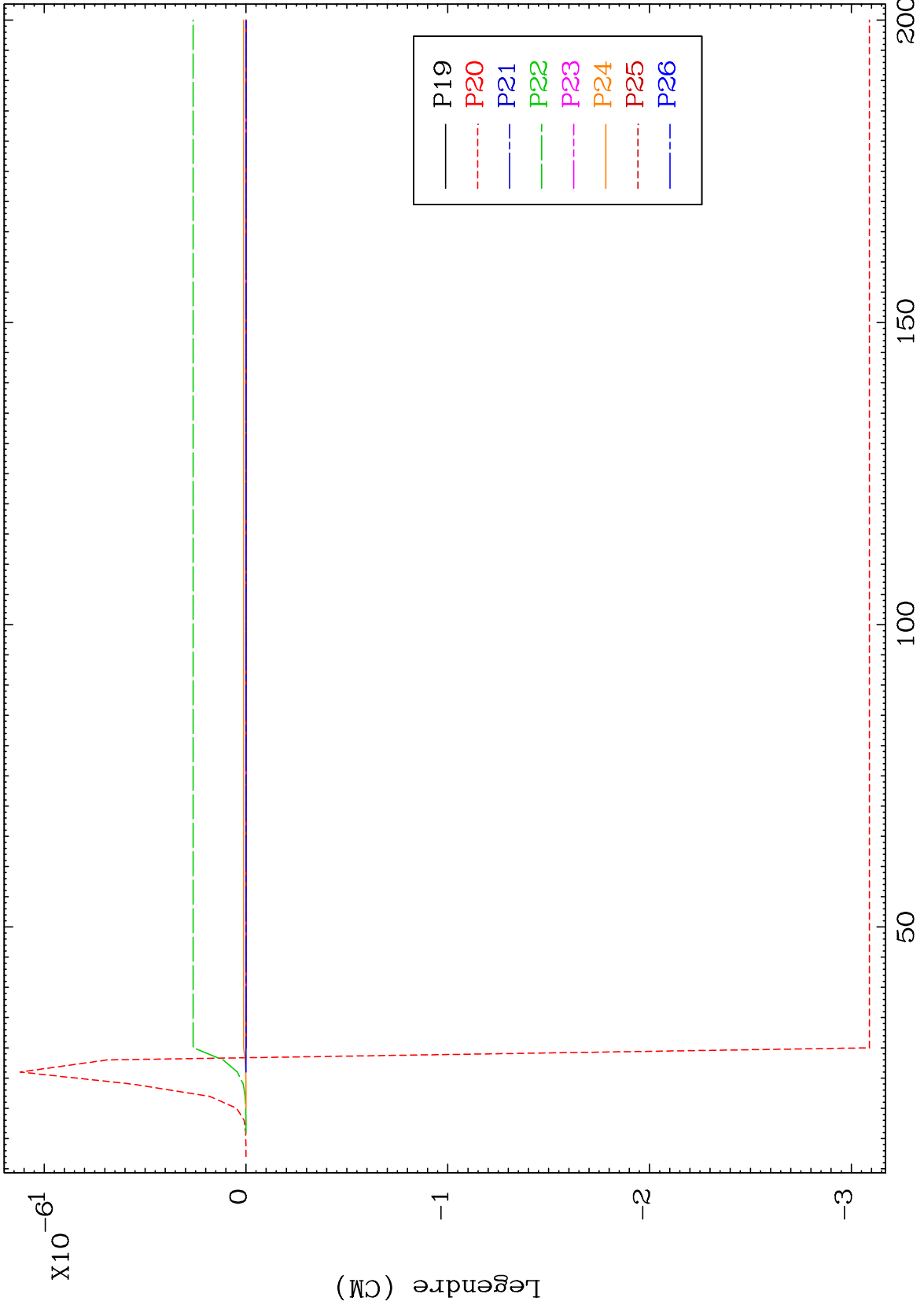
72-Hf-181



MAT 7246

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

72-Hf-181

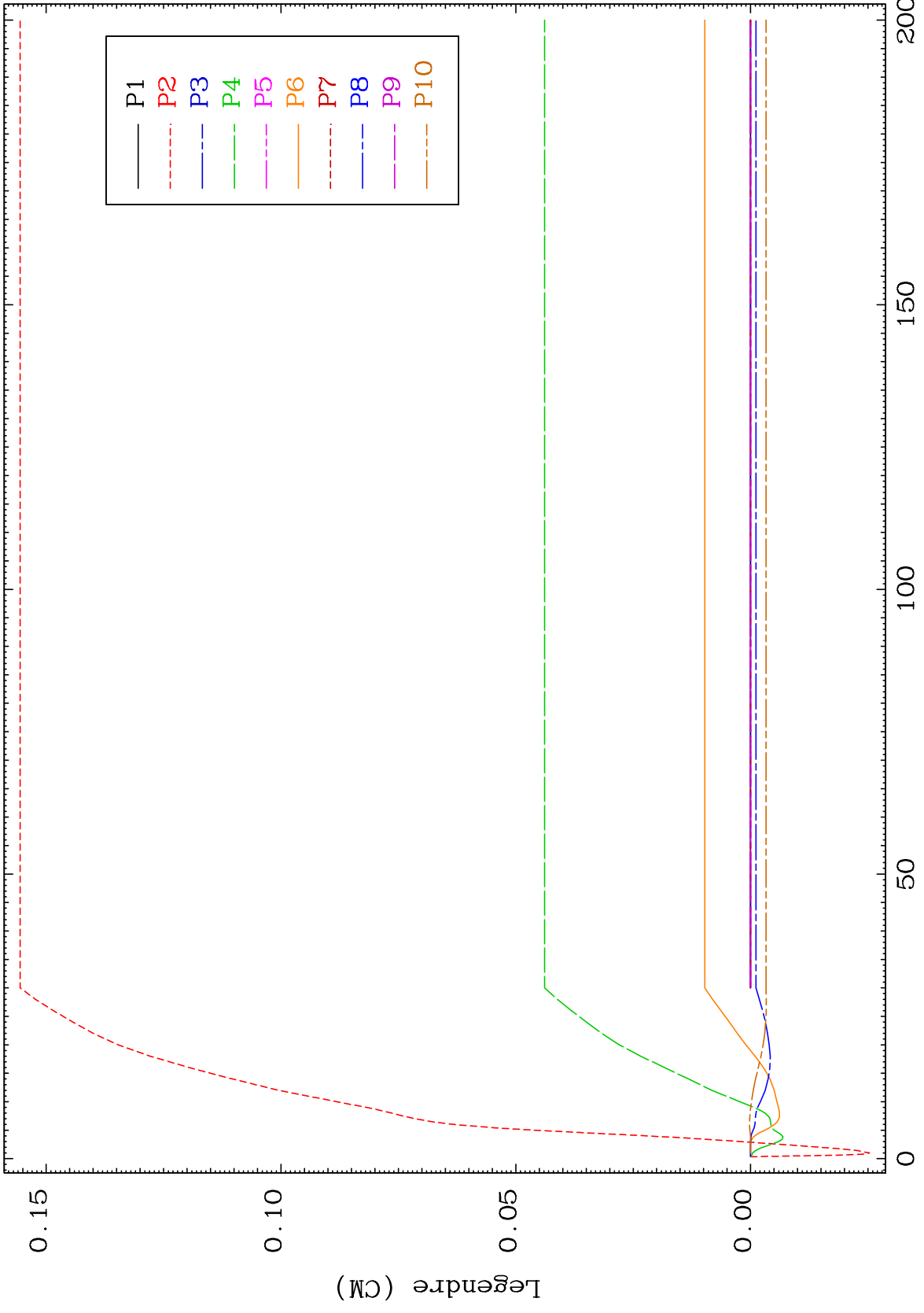


34

Incident Energy (MeV)

72-Hf-181

MAT 7246 MT= 56 (n,n') Level Legendre Coefficients 72-Hf-181

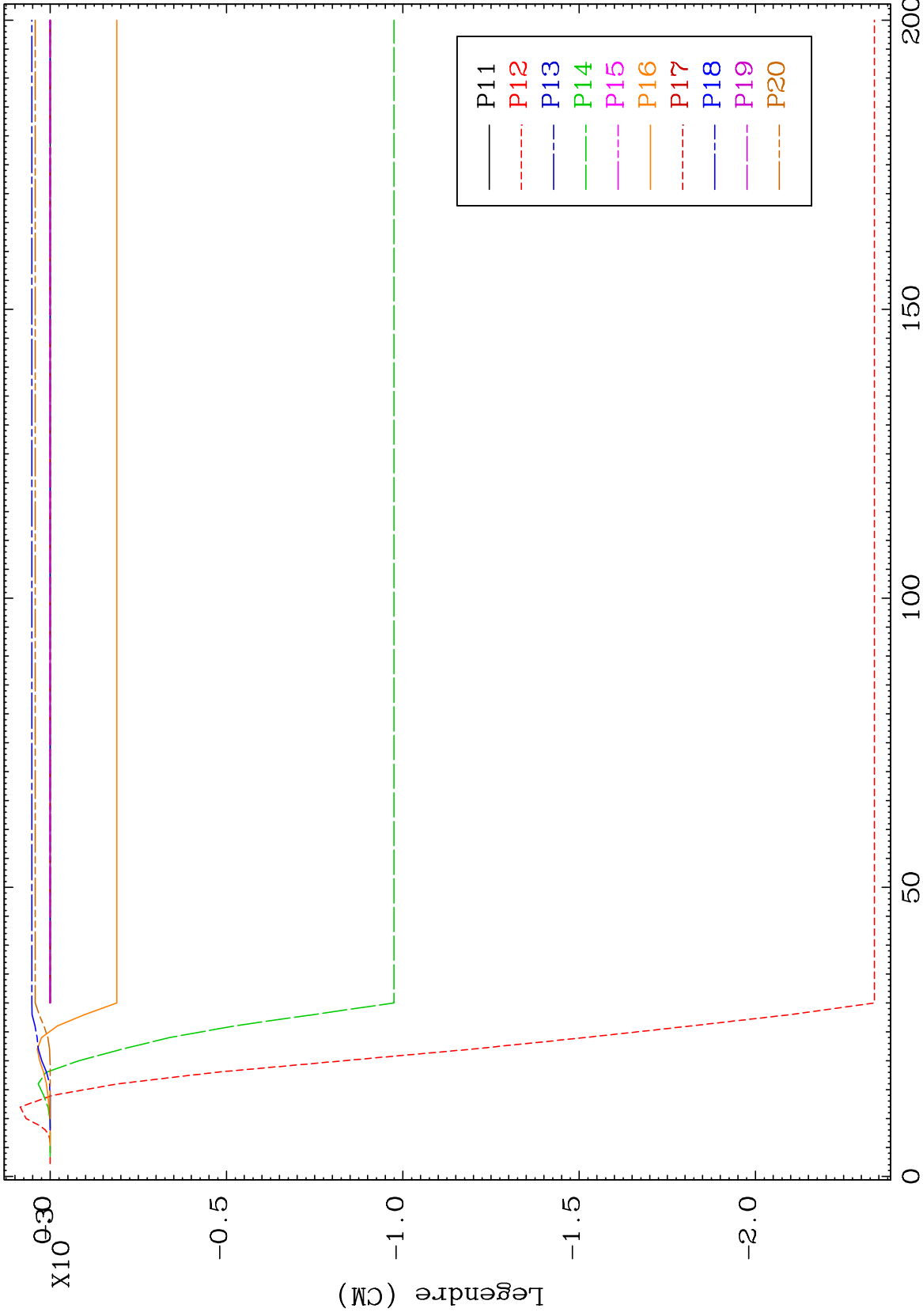


35 Incident Energy (MeV) 72-Hf-181

MAT 7246

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

72-Hf-181



36

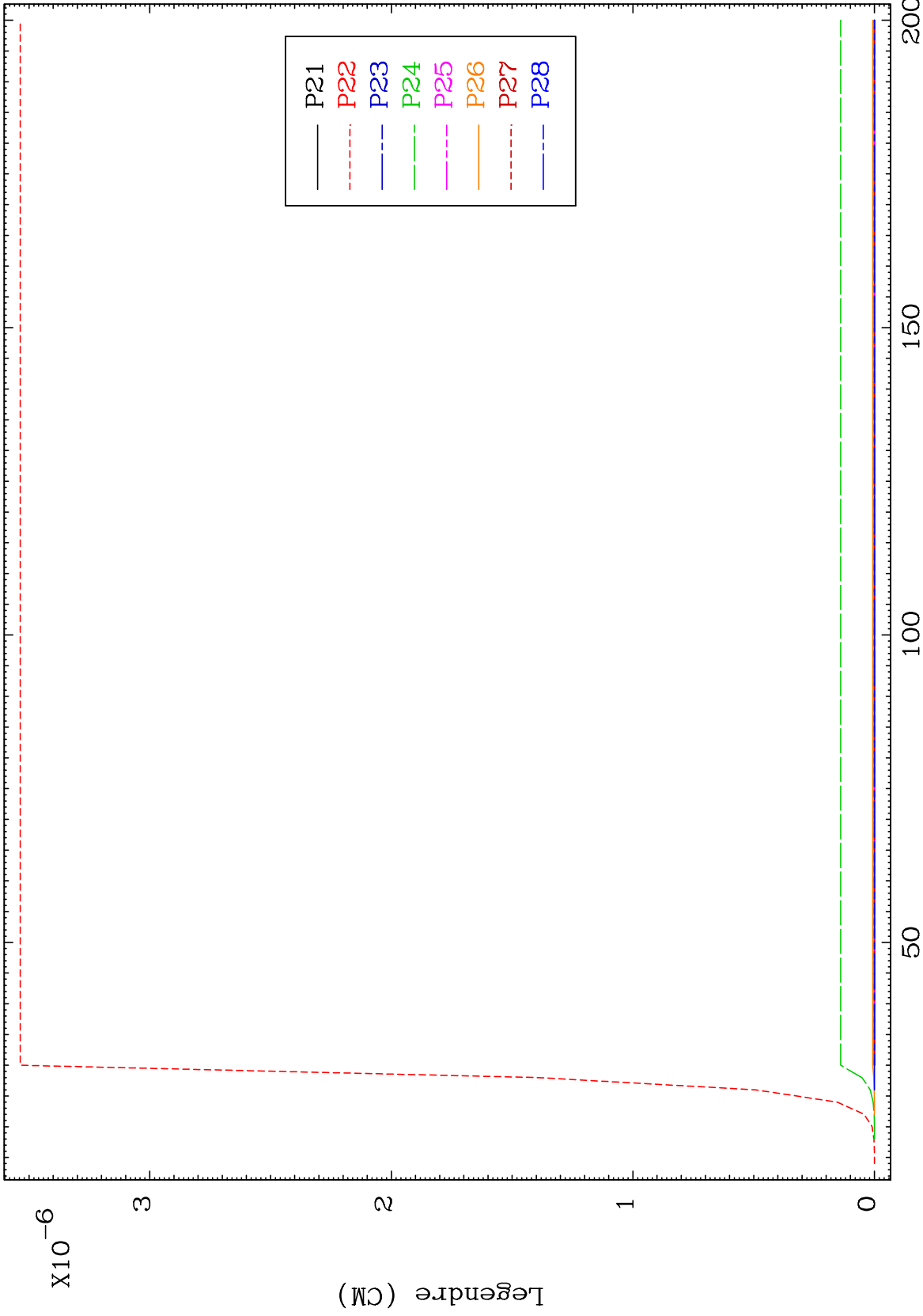
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

72-Hf-181



37

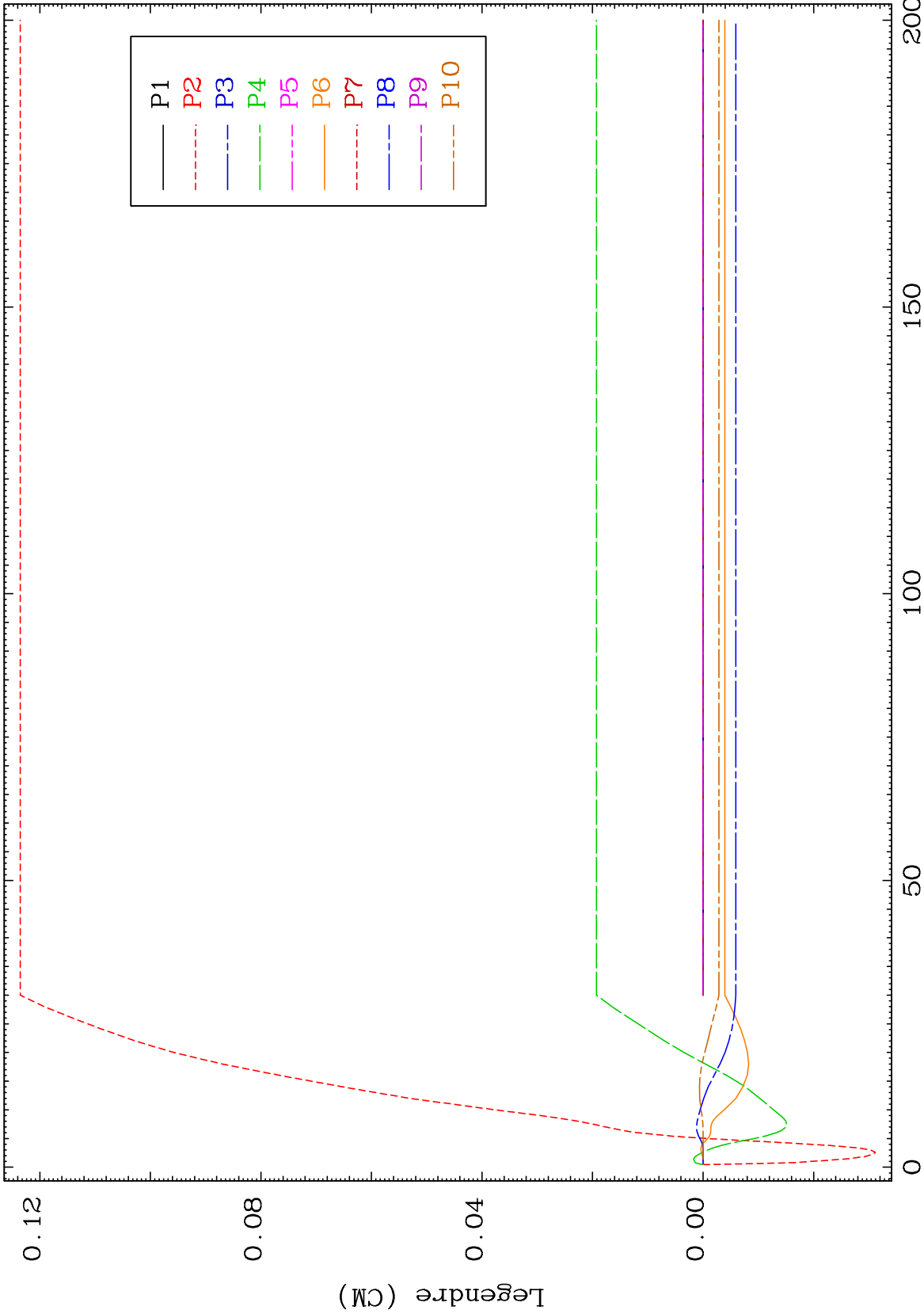
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

72-Hf-181



38

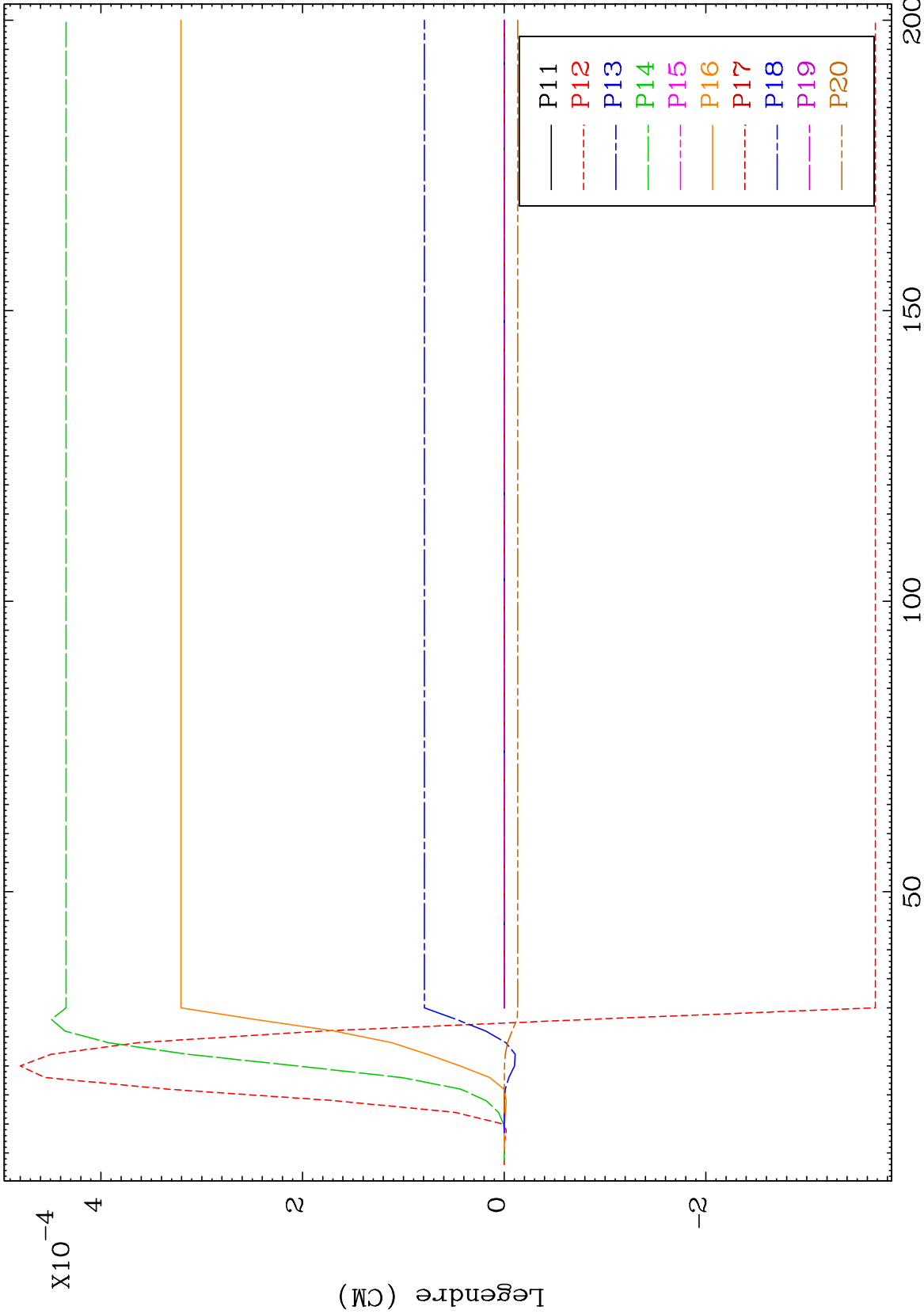
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

72-Hf-181

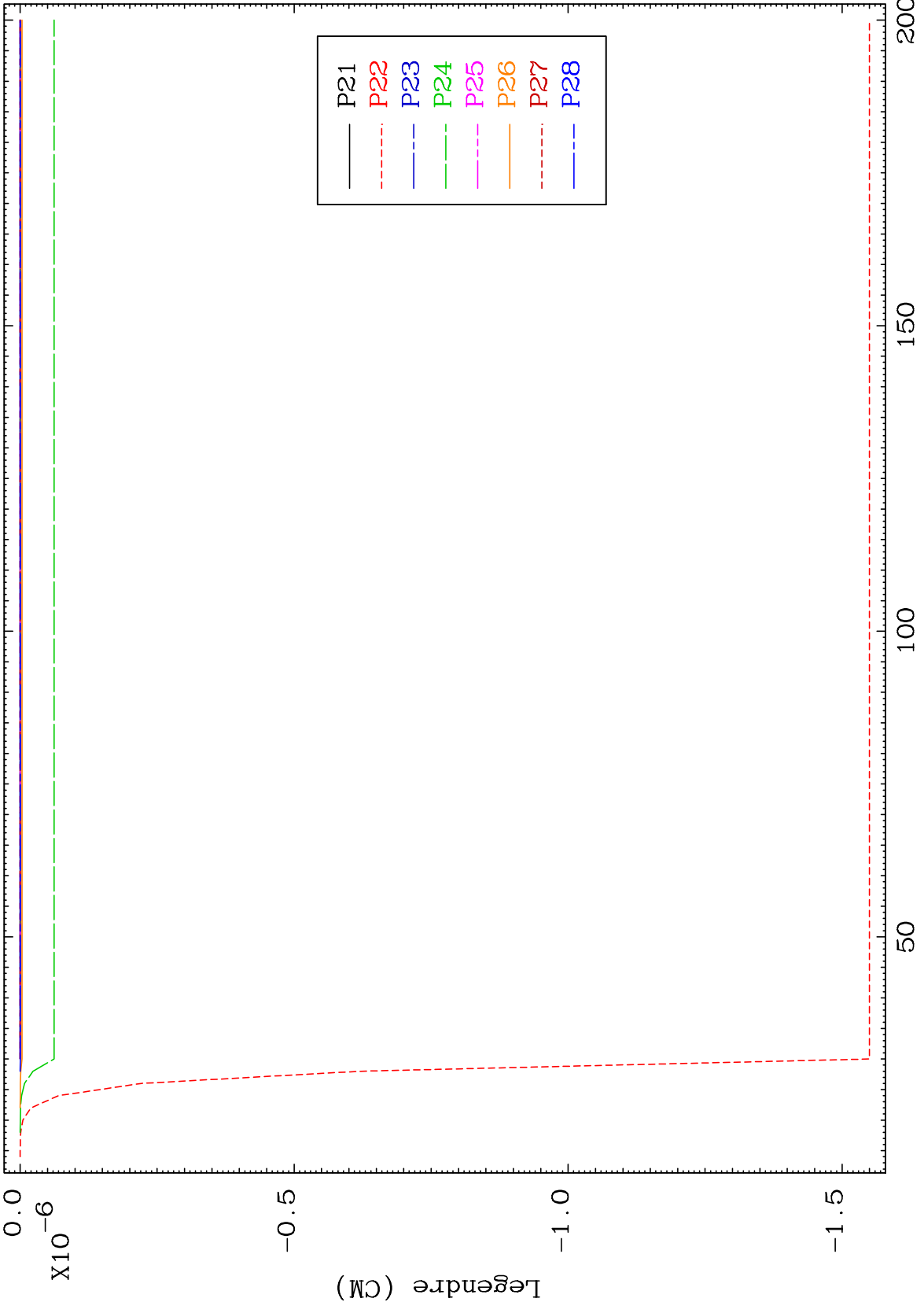


39

Incident Energy (MeV)

72-Hf-181

MAT 7246 MT= 57 (n,n') Level Legendre Coefficients 72-Hf-181

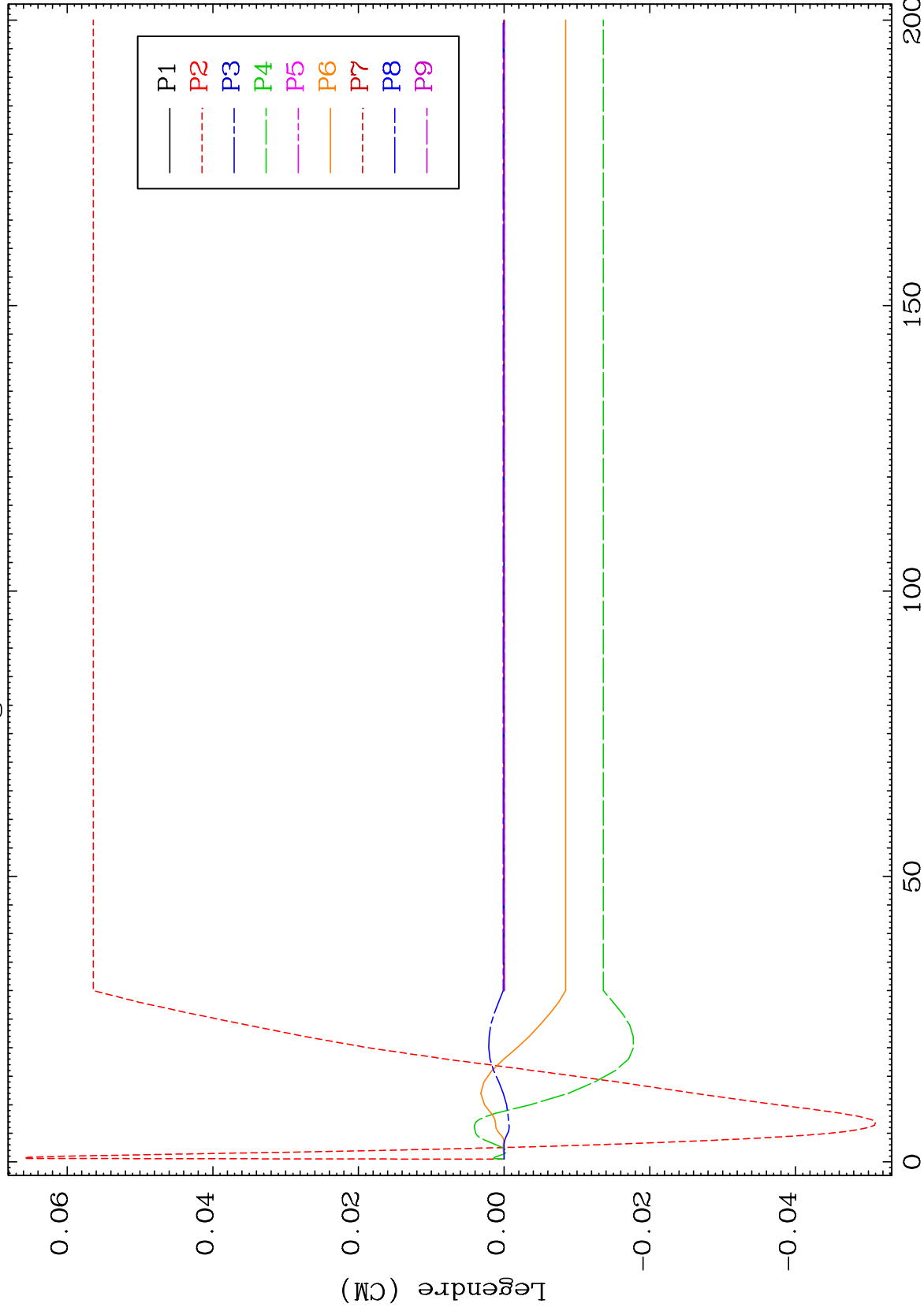


40 50 100 150 200 Incident Energy (MeV) 72-Hf-181

MAT 7246

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

72-Hf-181



41

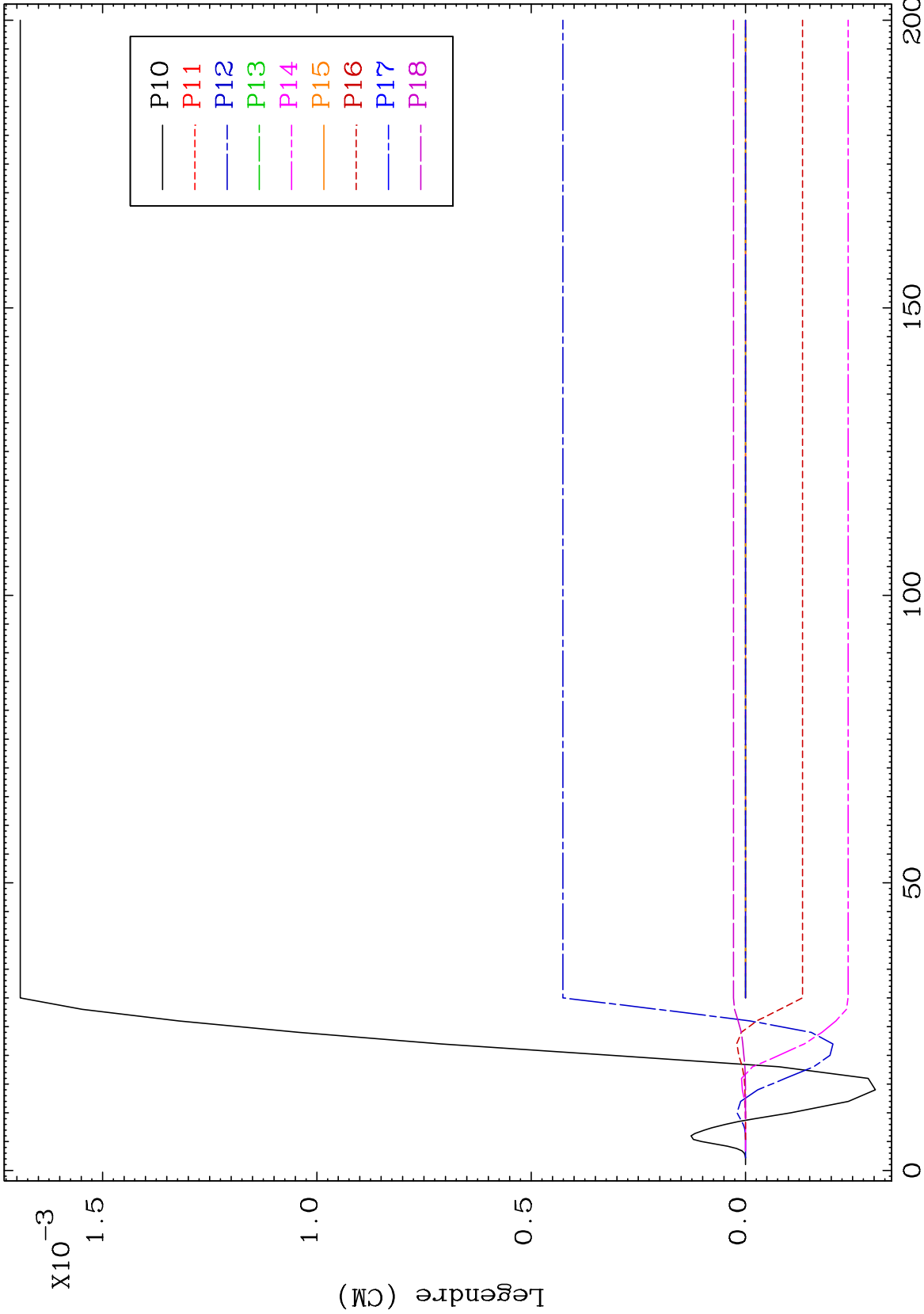
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

72-Hf-181

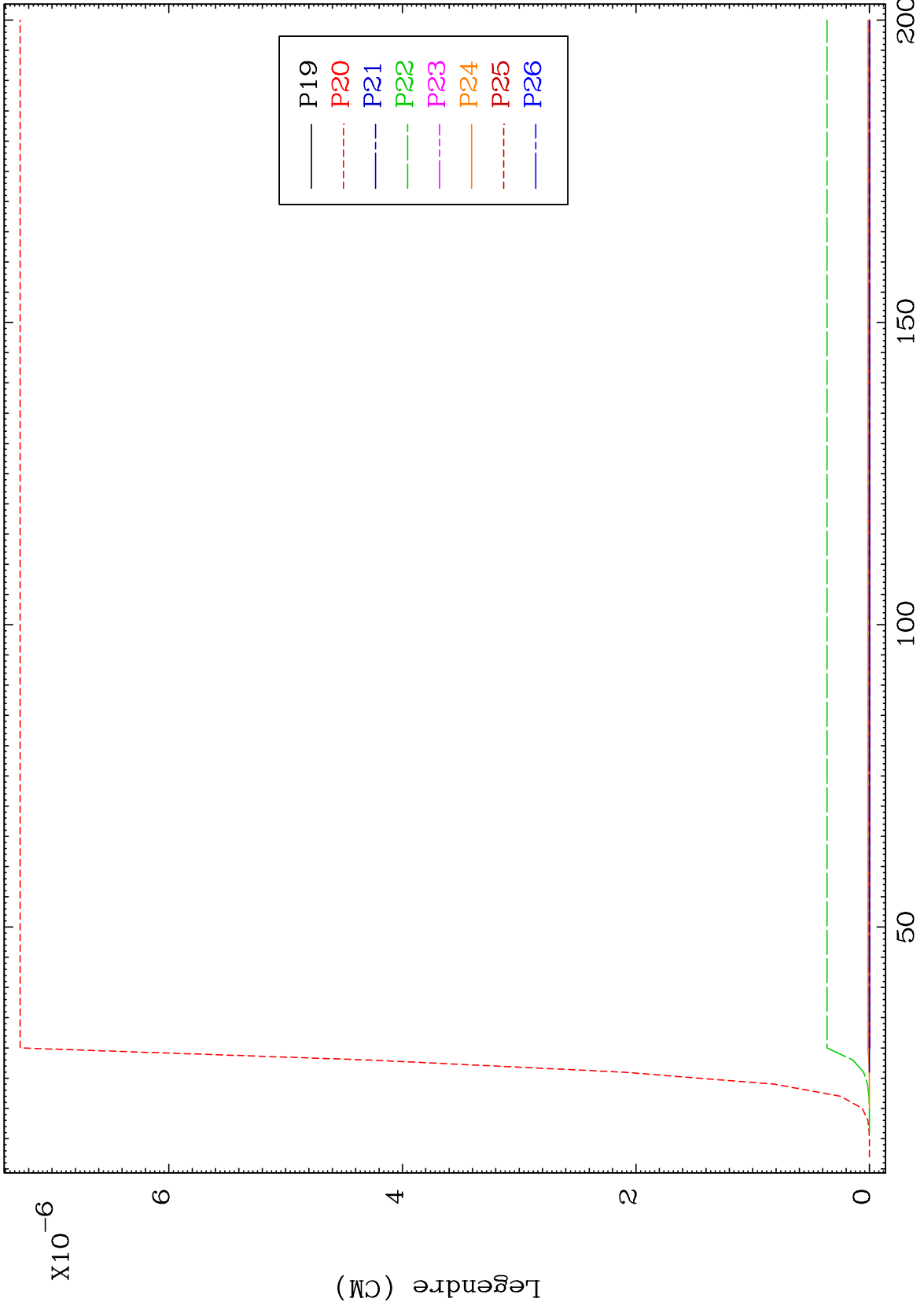


42

Incident Energy (MeV)

72-Hf-181

MAT 7246 MT= 58 (n,n') Level Legendre Coefficients 72-Hf-181

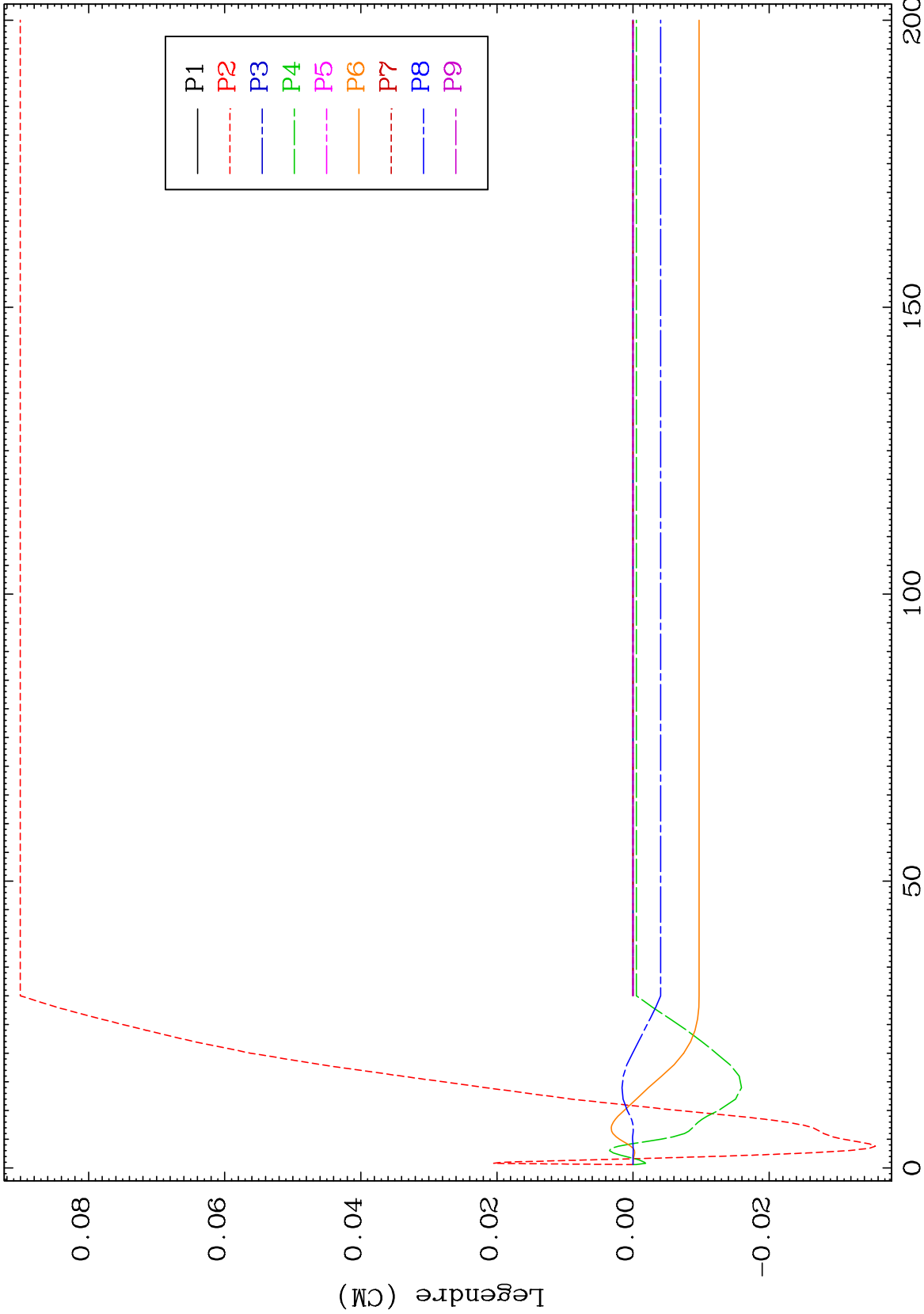


43 Incident Energy (MeV) 72-Hf-181

MAT 7246

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

72-Hf-181



44

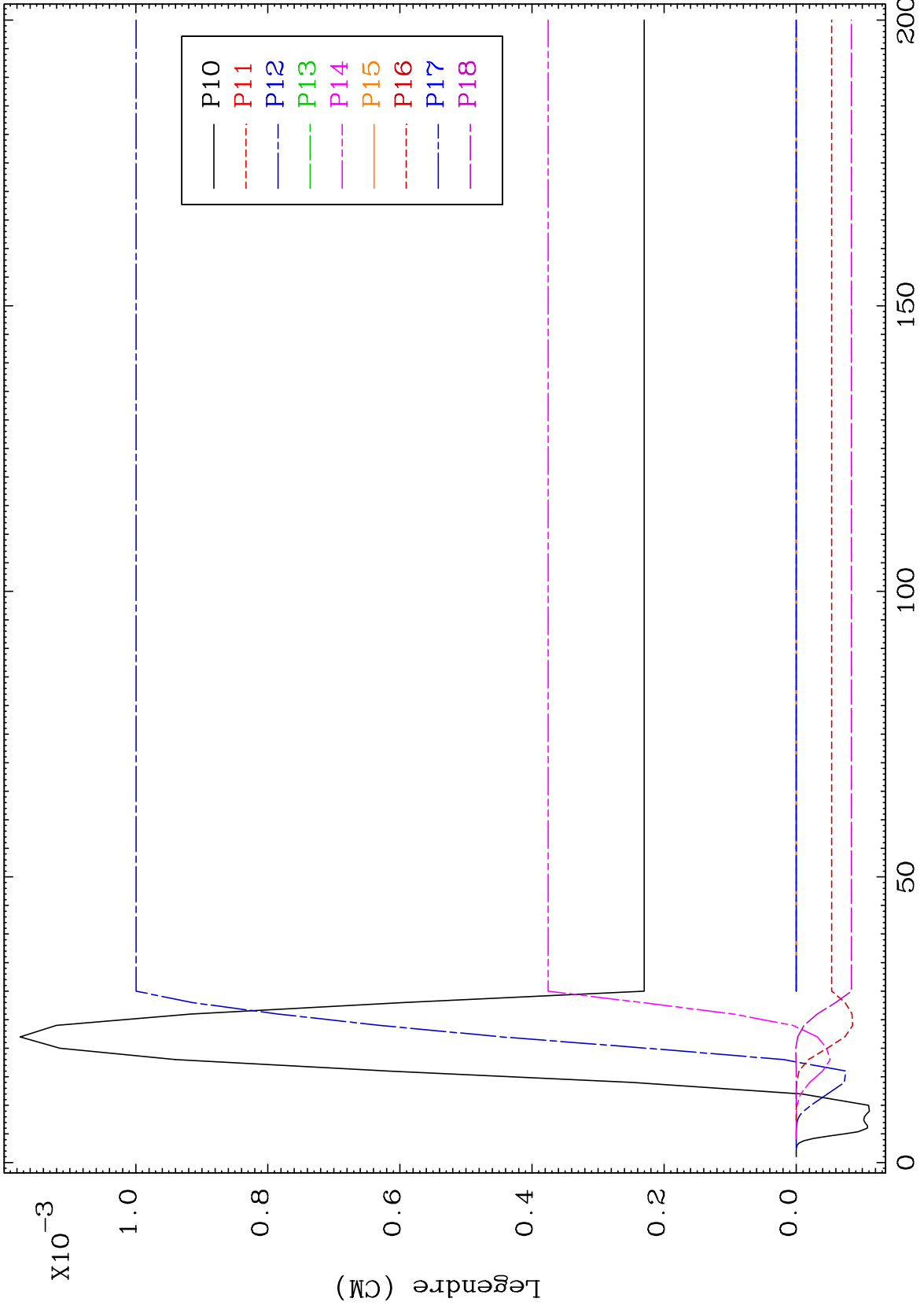
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

72-Hf-181



45

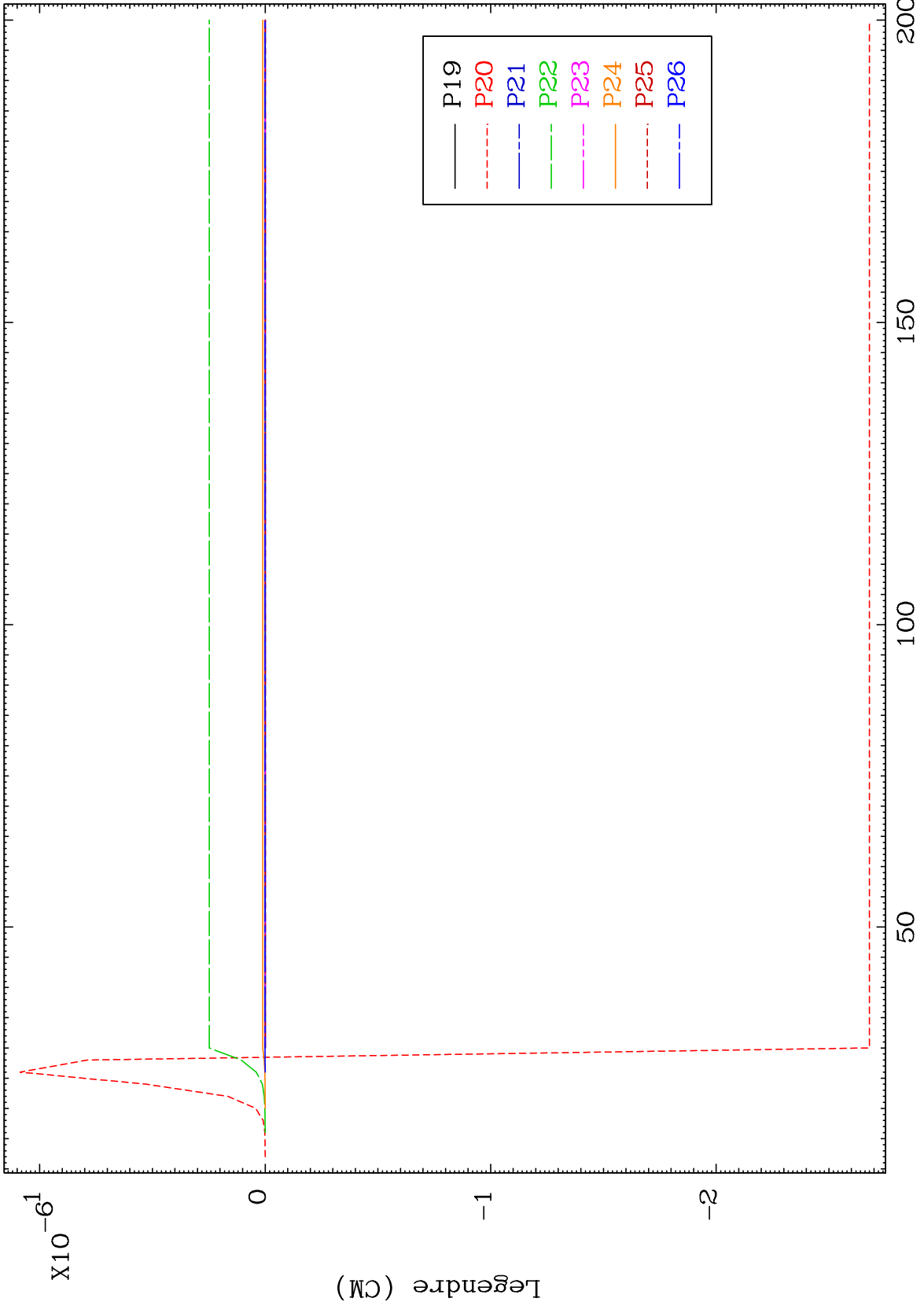
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

72-Hf-181



46

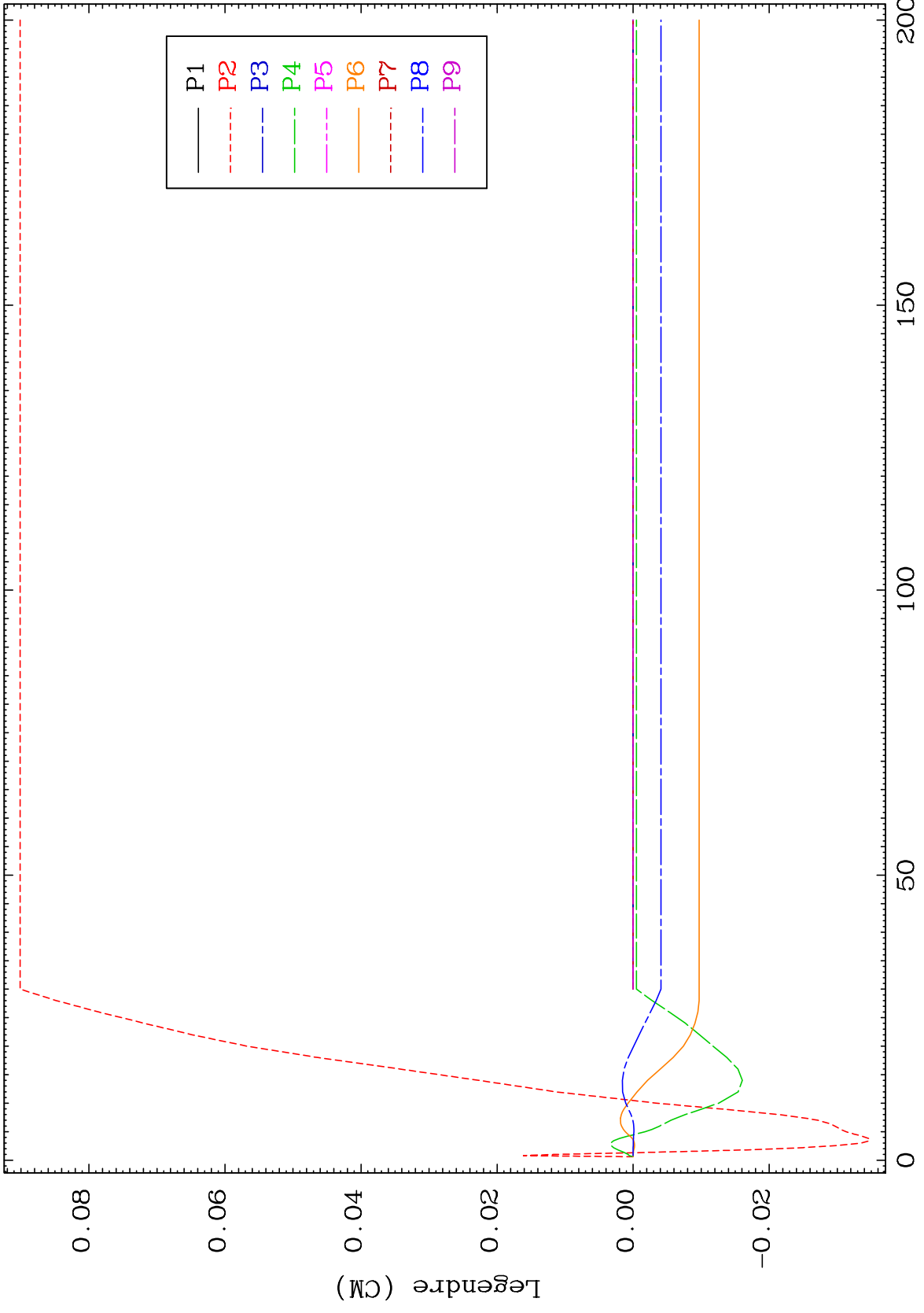
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

72-Hf-181



47

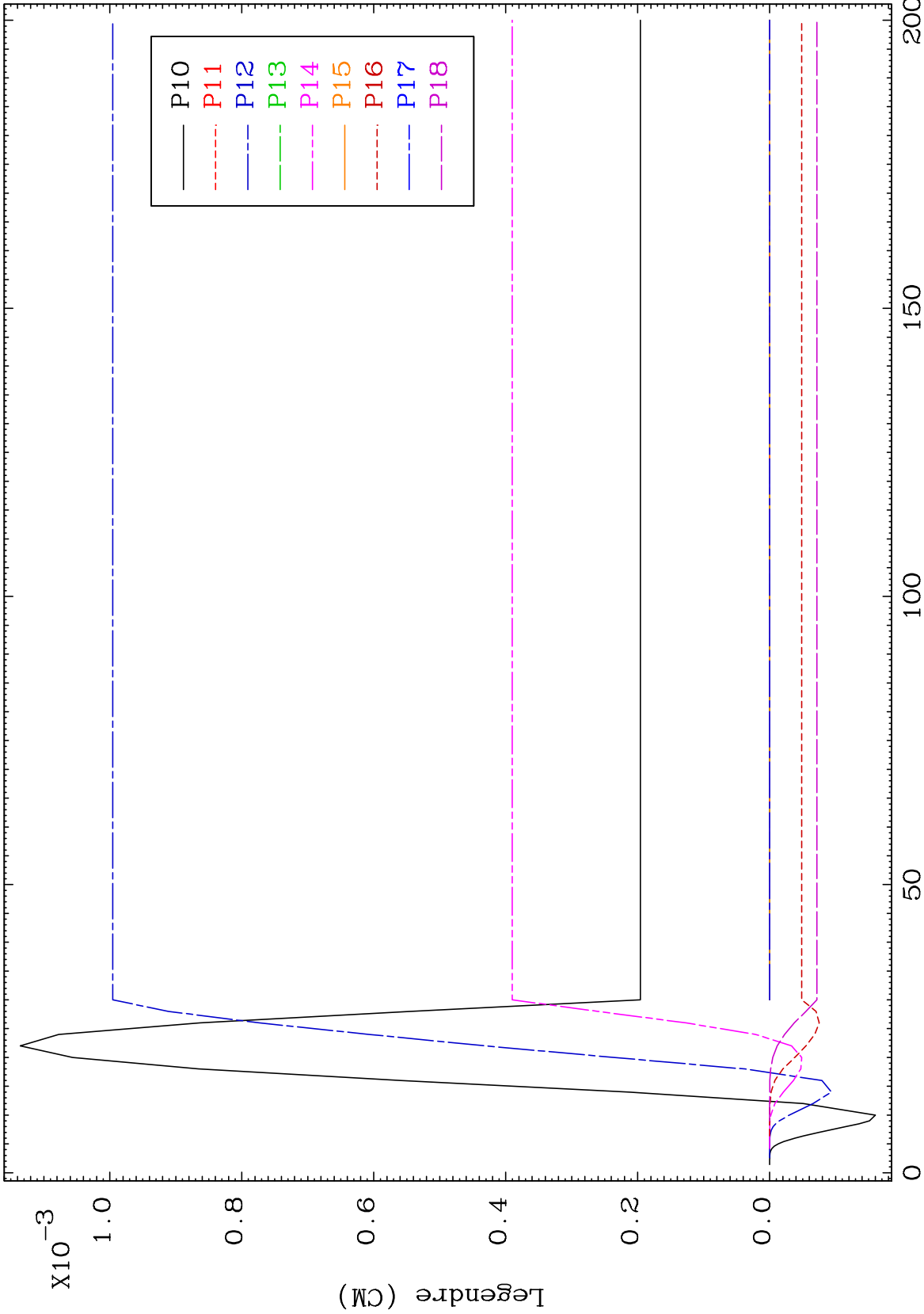
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

72-Hf-181

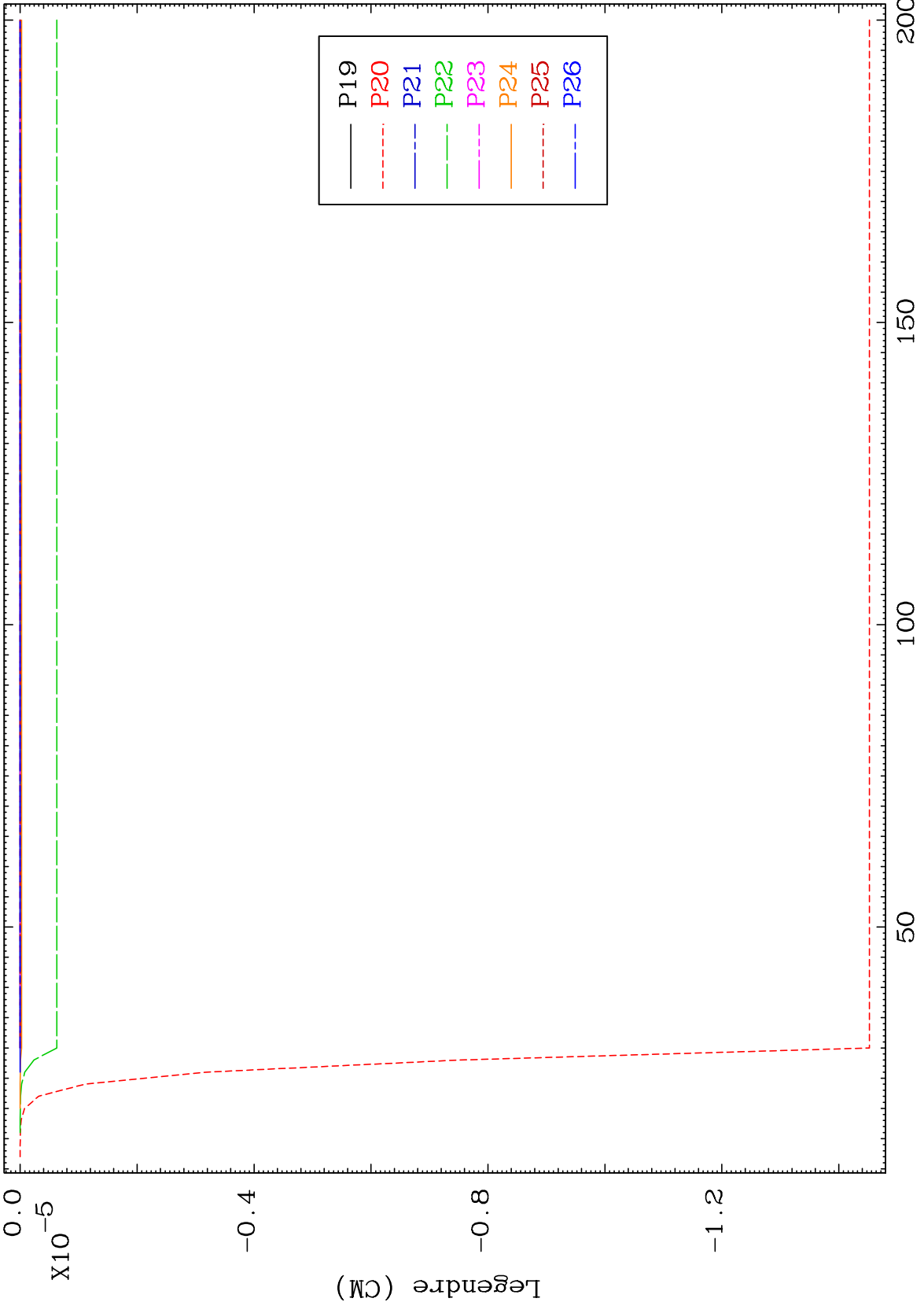


48

Incident Energy (MeV)

72-Hf-181

MAT 7246 MT= 60 (n, n') Level Legendre Coefficients 72-Hf-181

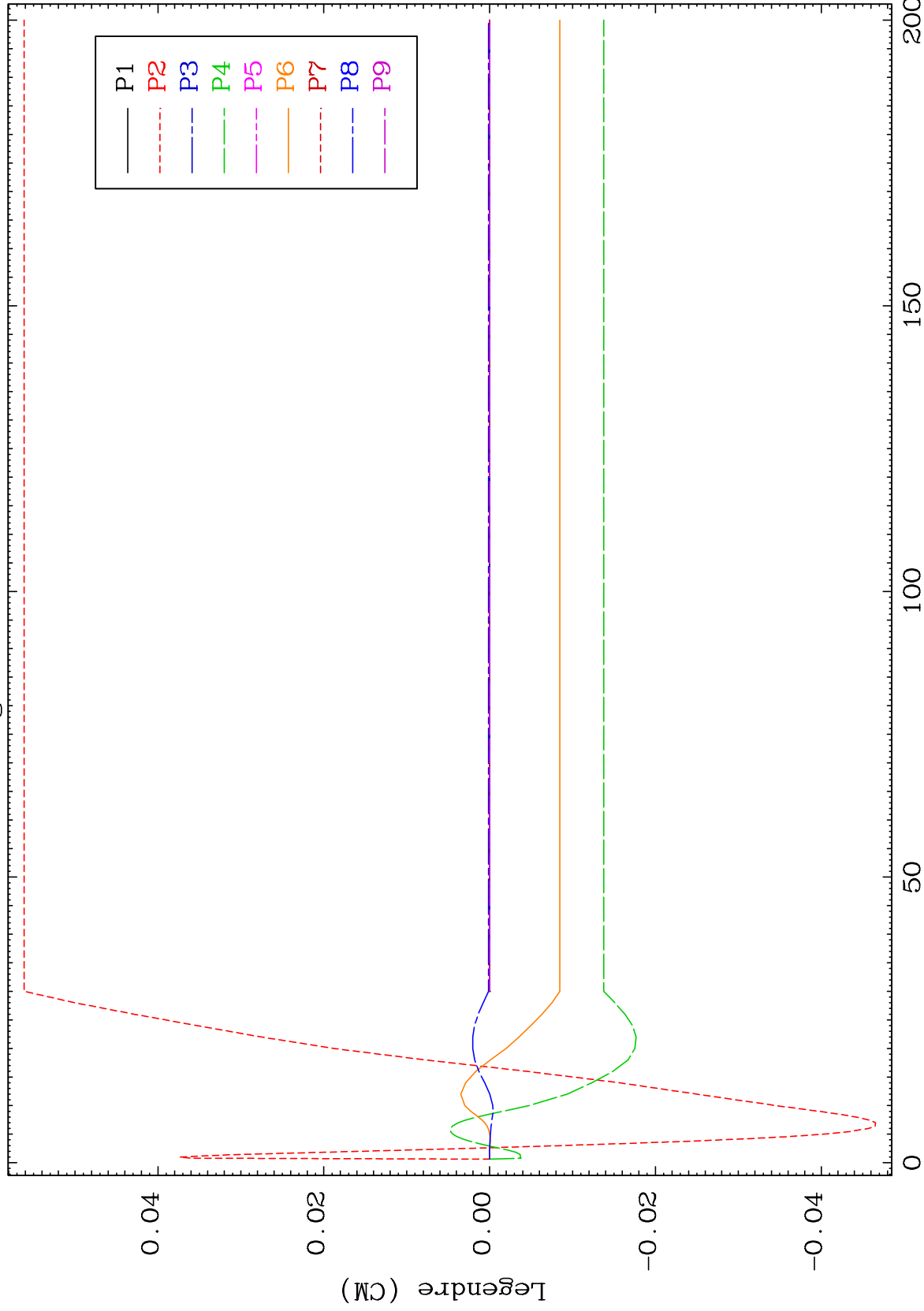


49 72-Hf-181

MAT 7246

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

72-Hf-181



72-Hf-181

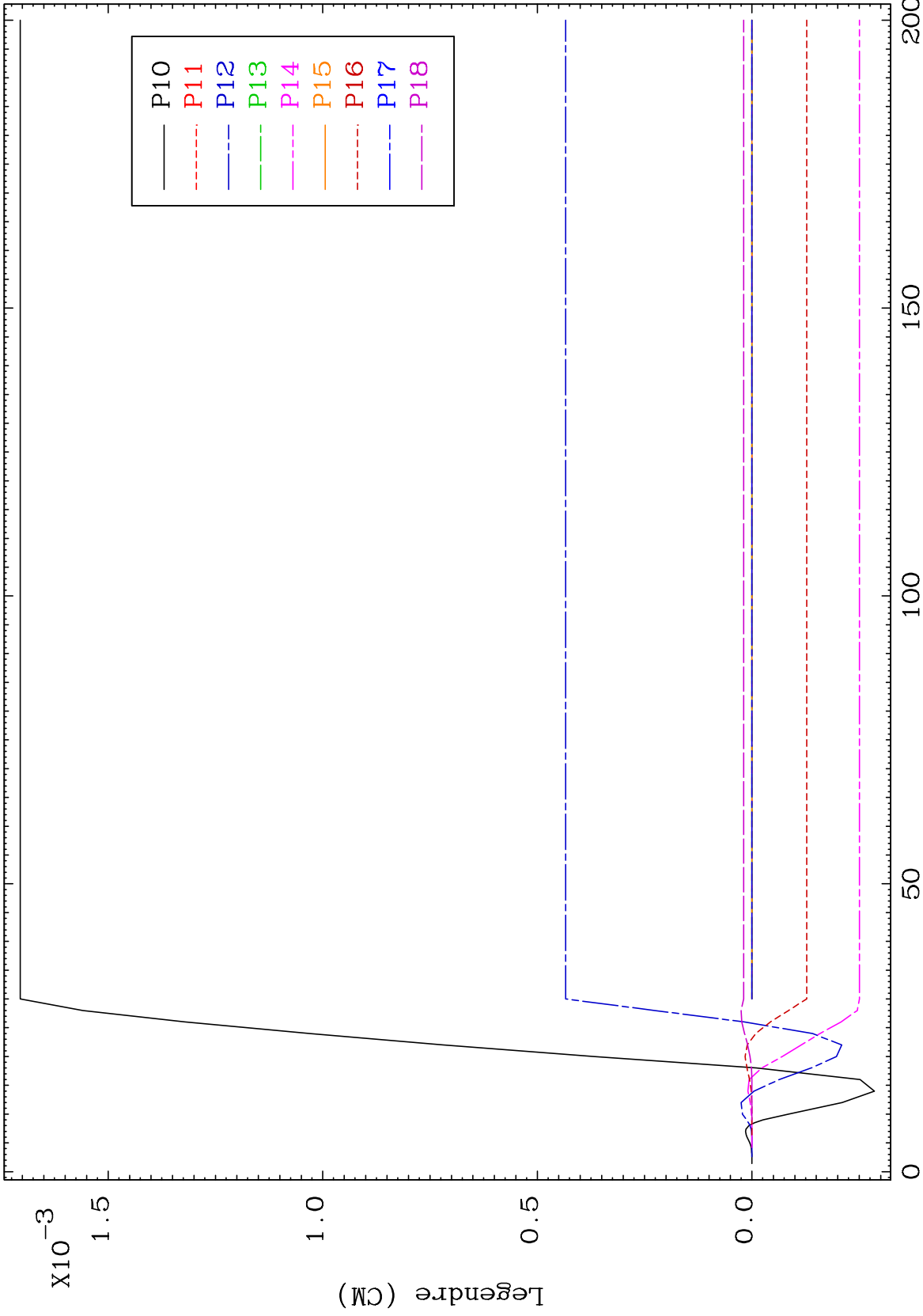
Incident Energy (MeV)

50

MAT 7246

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

72-Hf-181

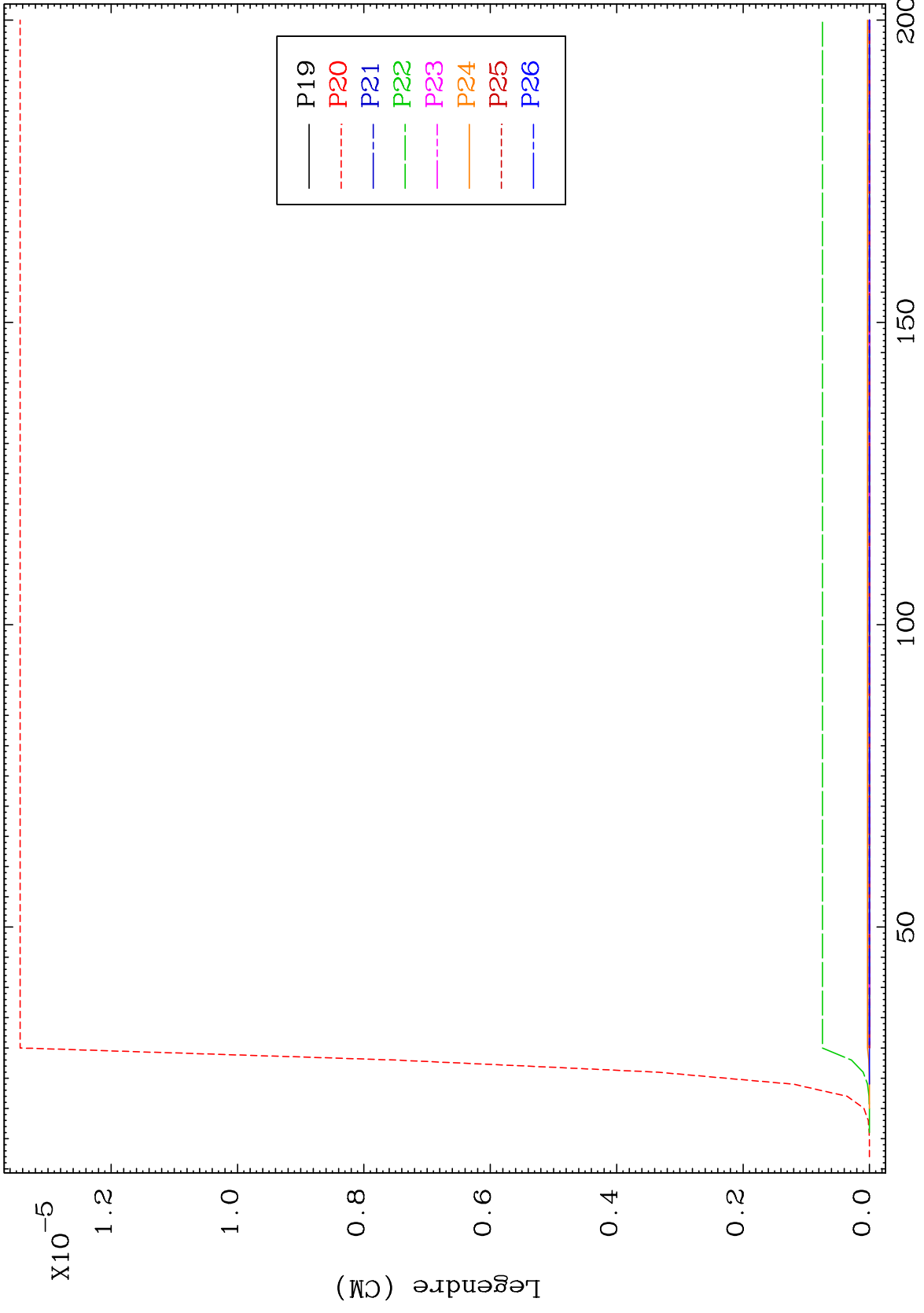


51

Incident Energy (MeV)

72-Hf-181

MAT 7246 MT= 61 (n,n') Level Legendre Coefficients 72-Hf-181

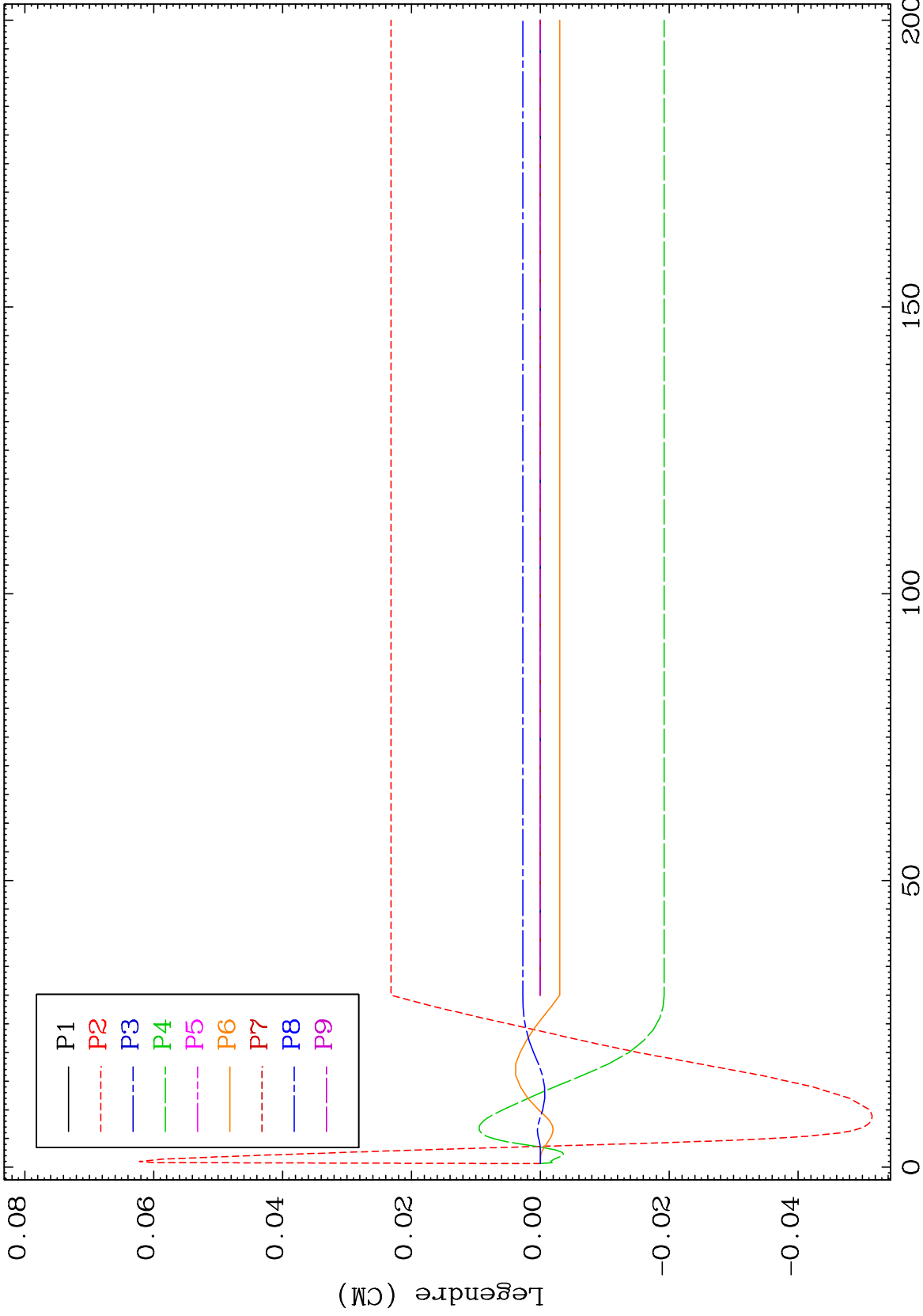


52 Incident Energy (MeV) 72-Hf-181

MAT 7246

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

72-Hf-181



53

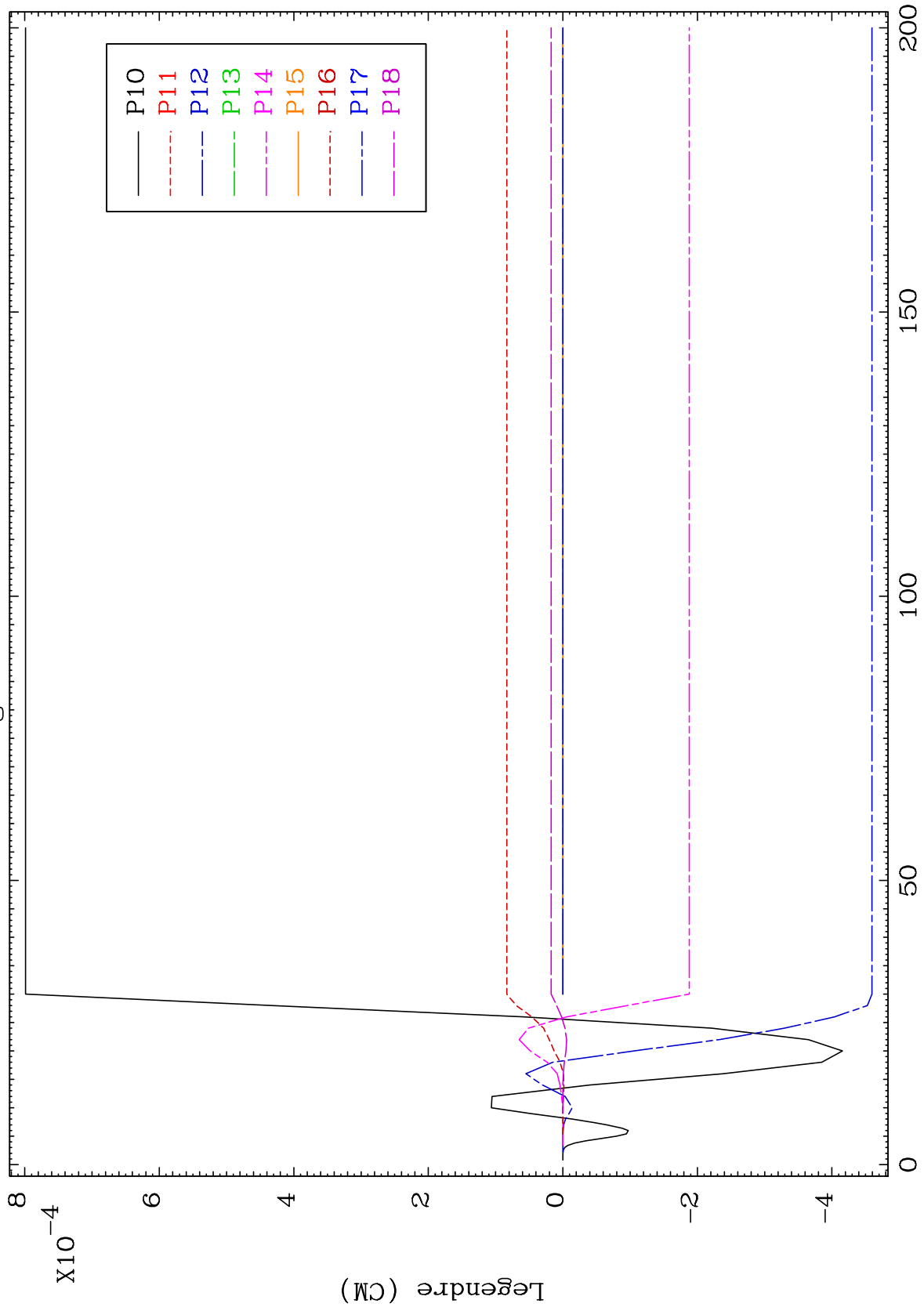
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

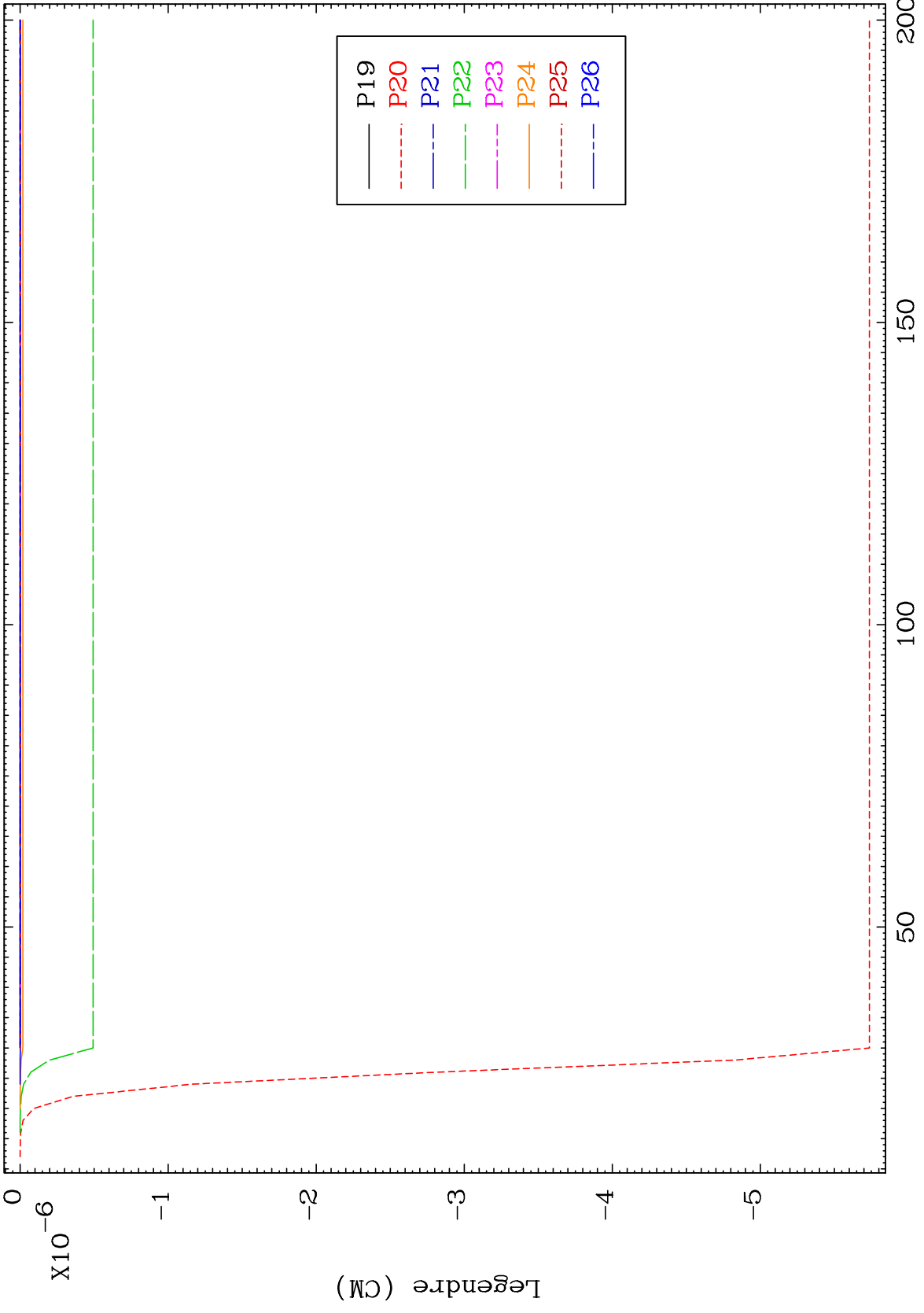
72-Hf-181



54

72-Hf-181

MAT 7246 MT= 62 (n,n') Level Legendre Coefficients 72-Hf-181

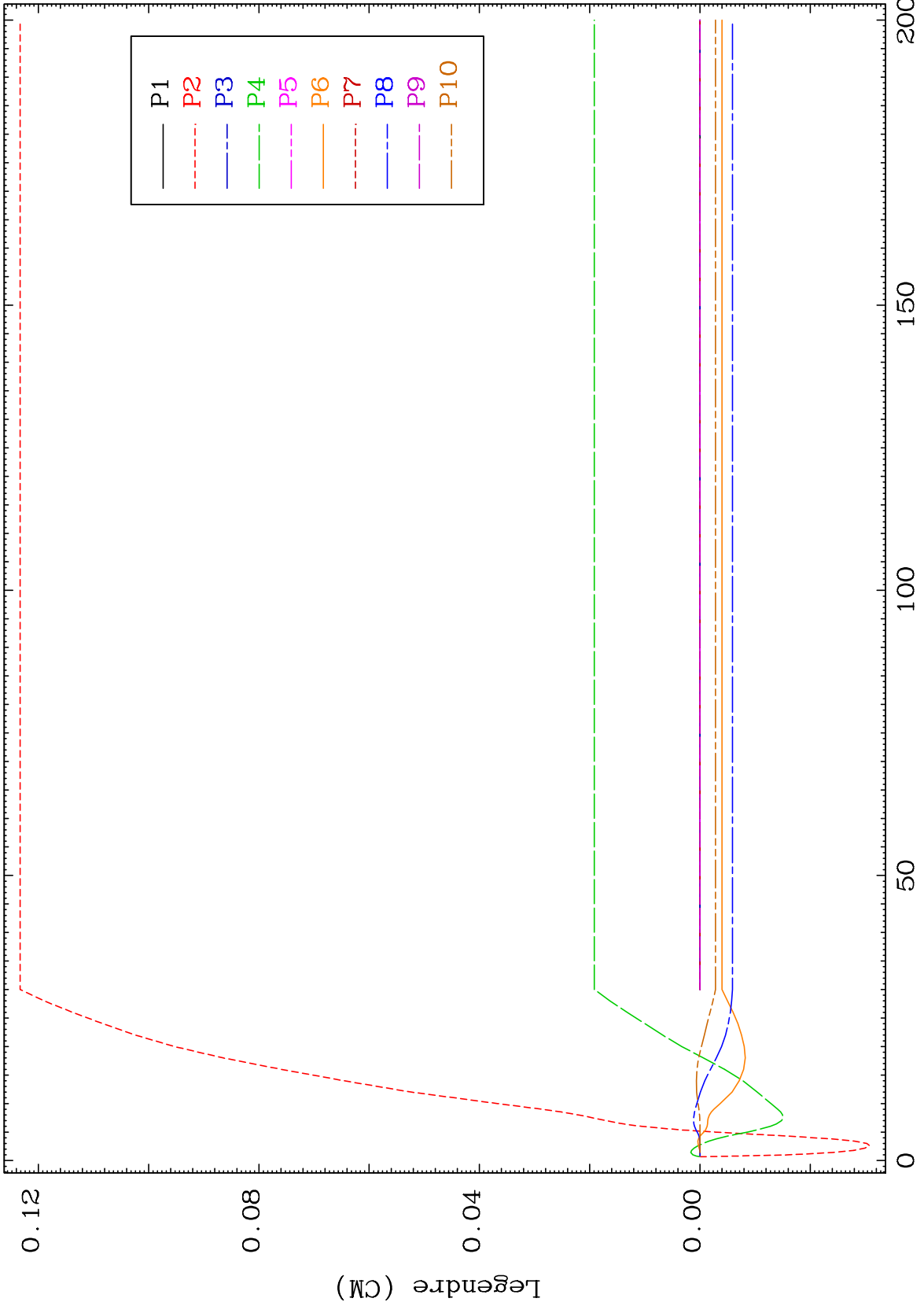


55 Incident Energy (MeV) 72-Hf-181

MAT 7246

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

72-Hf-181



56

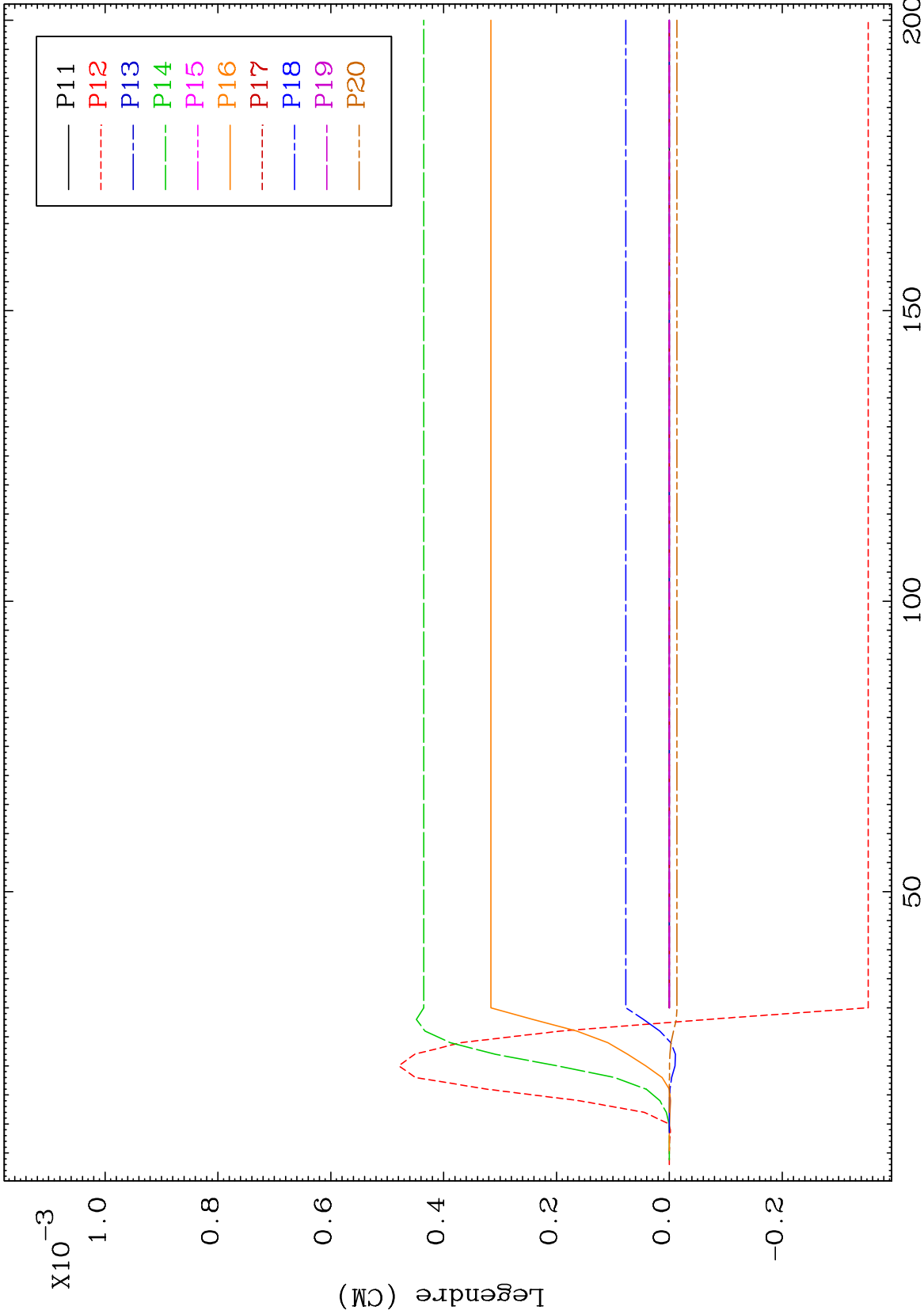
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

72-Hf-181

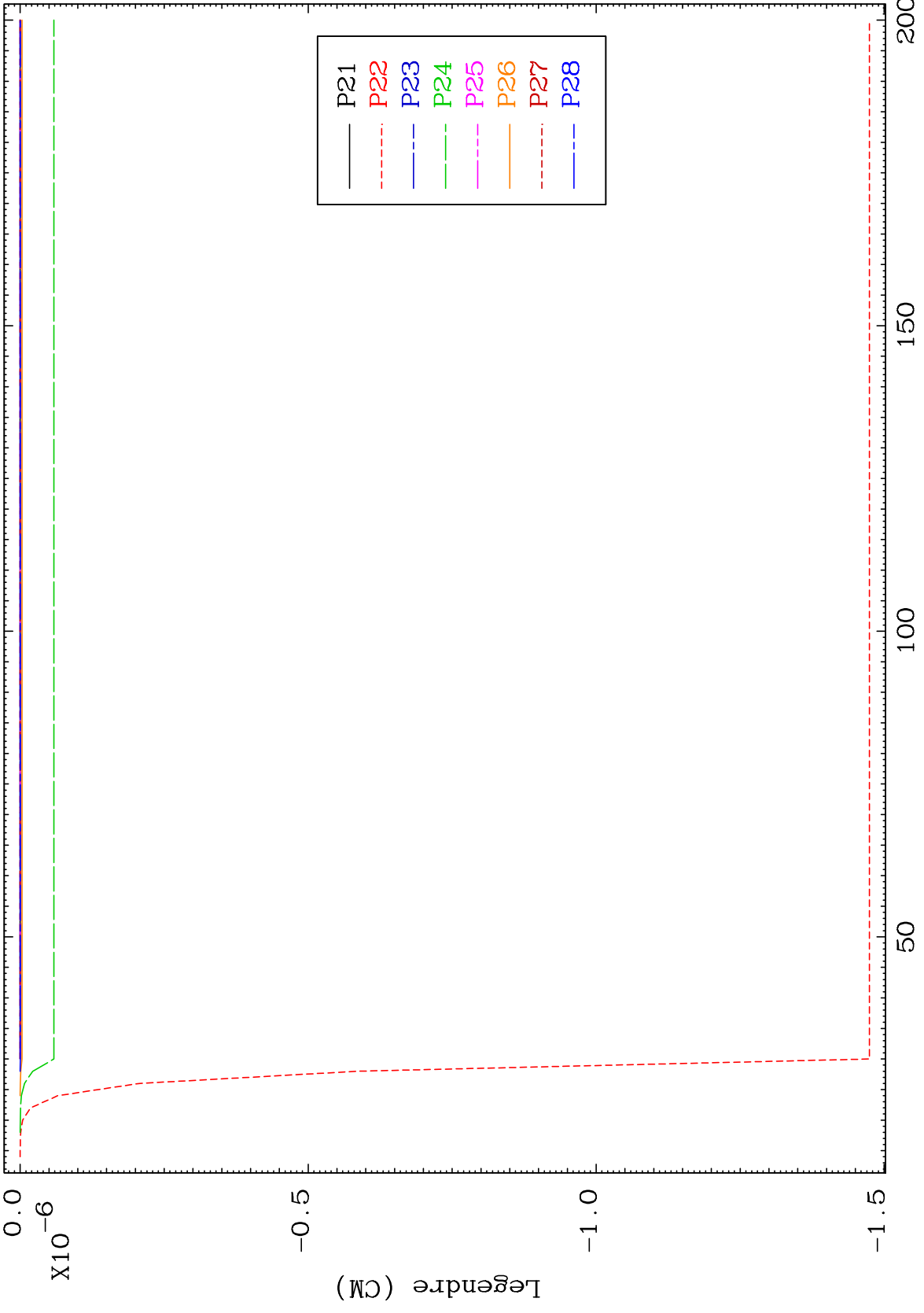


57

Incident Energy (MeV)

72-Hf-181

MAT 7246 MT= 63 (n, n') Level Legendre Coefficients 72-Hf-181

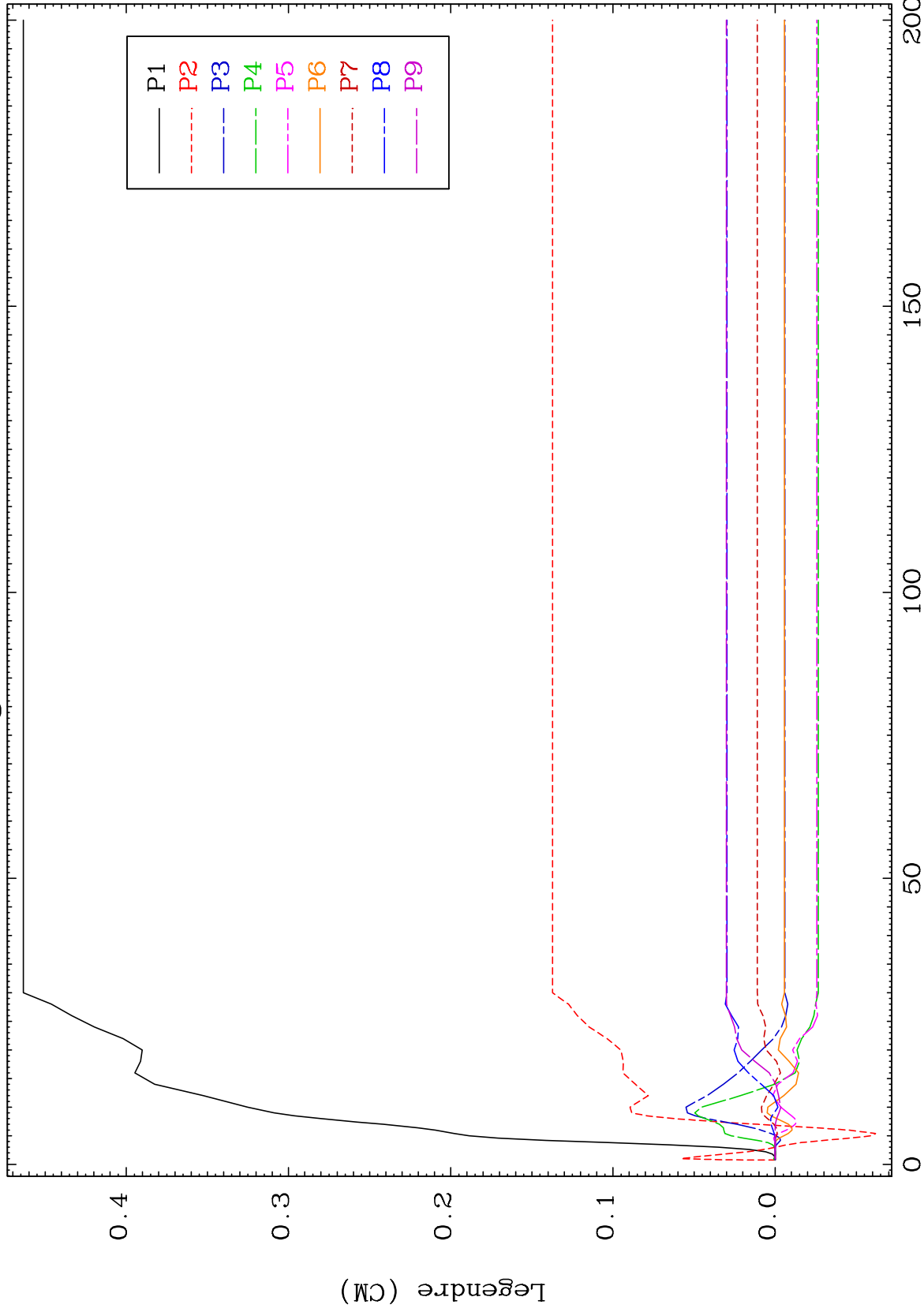


58 Incident Energy (MeV) 72-Hf-181

MAT 7246

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

72-Hf-181



59

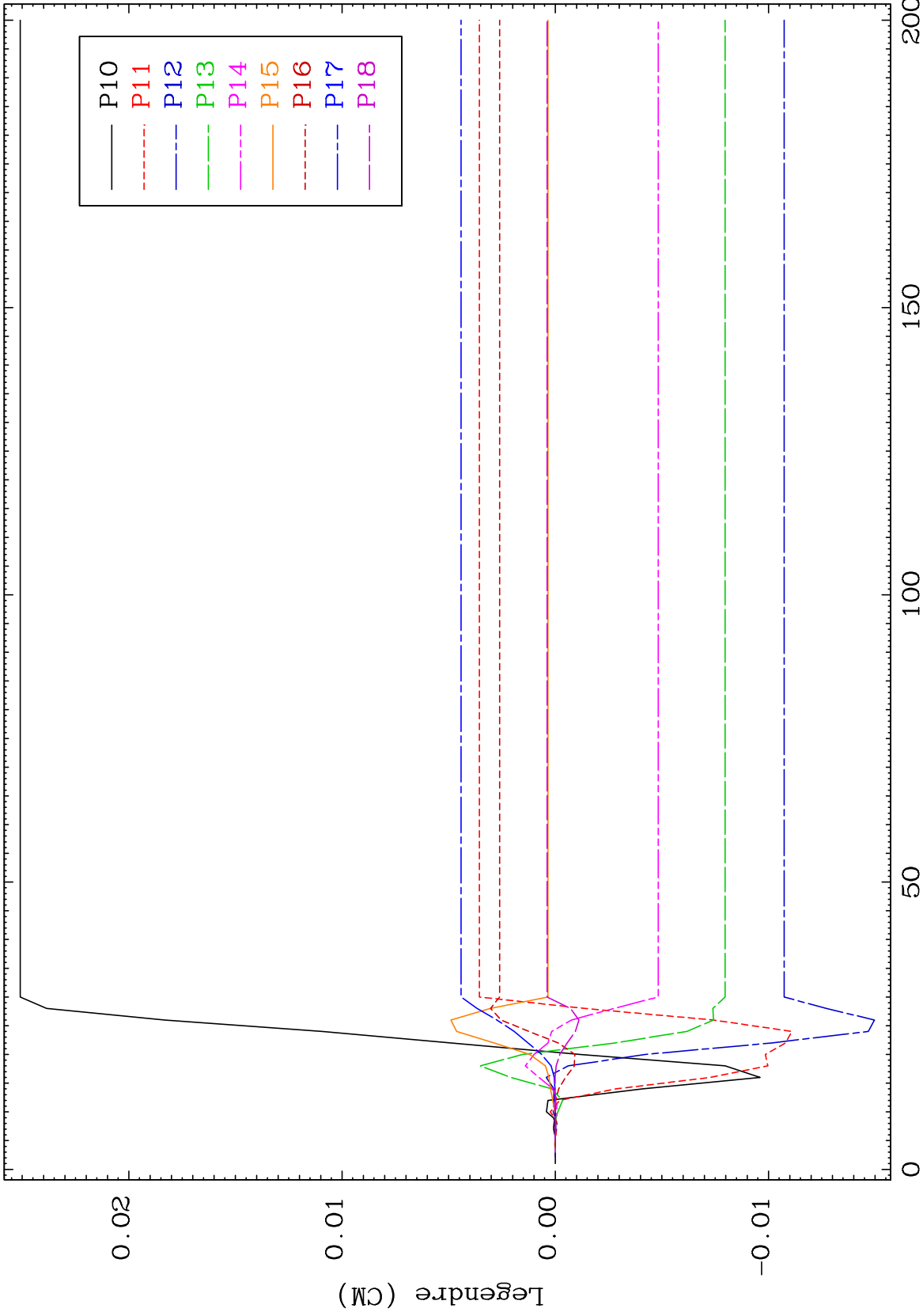
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

72-Hf-181



60

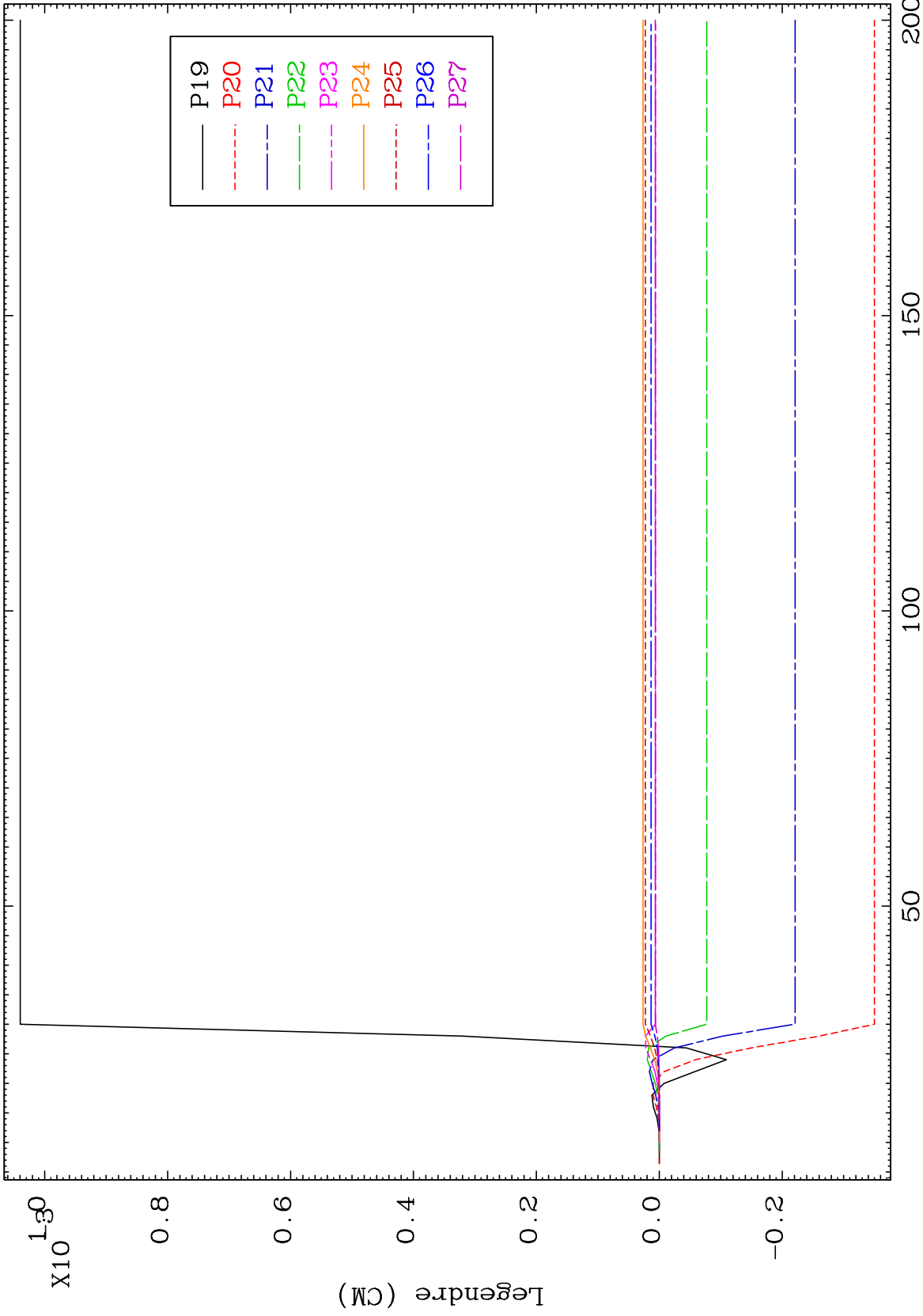
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

72-Hf-181



61

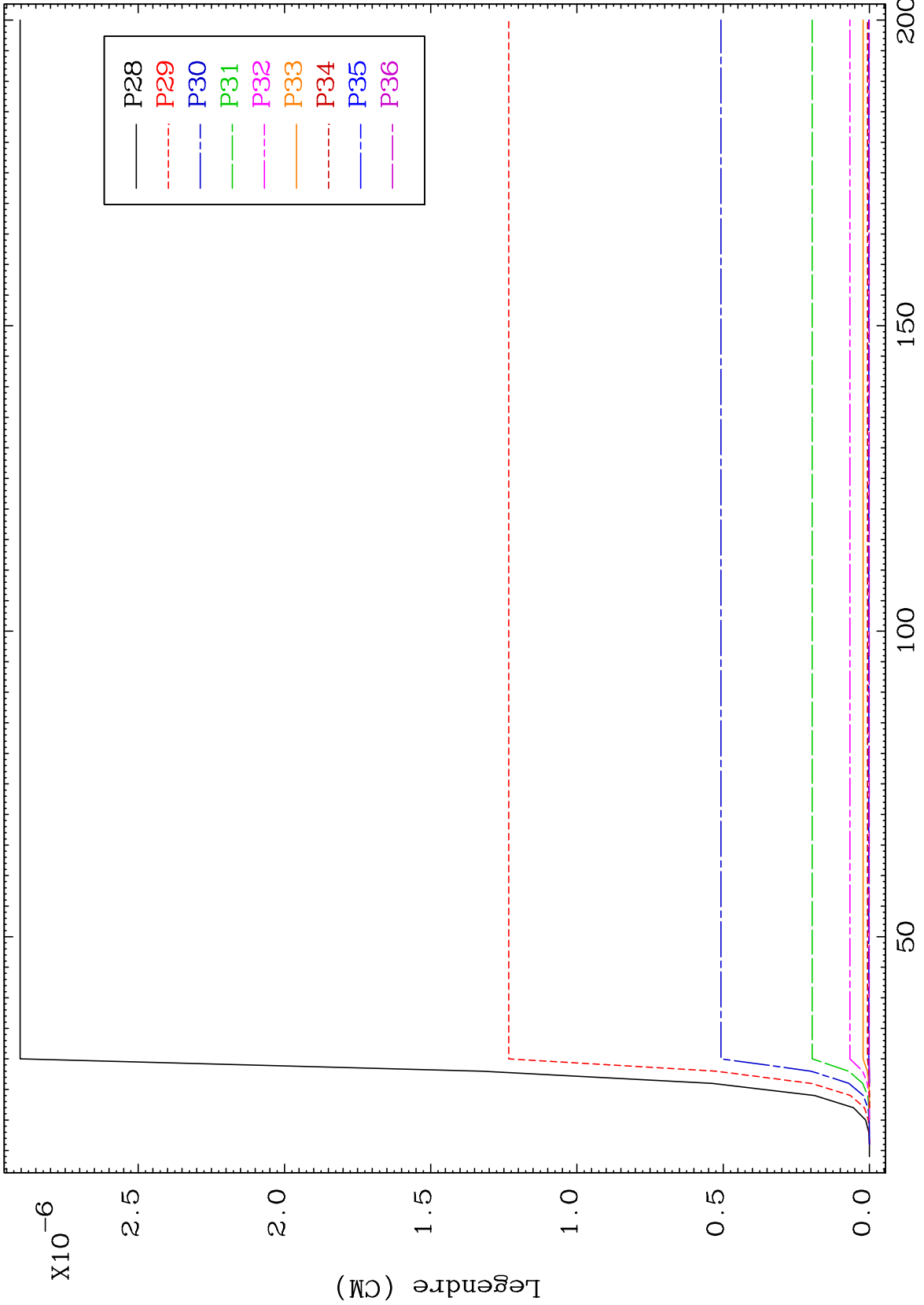
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

72-Hf-181



62

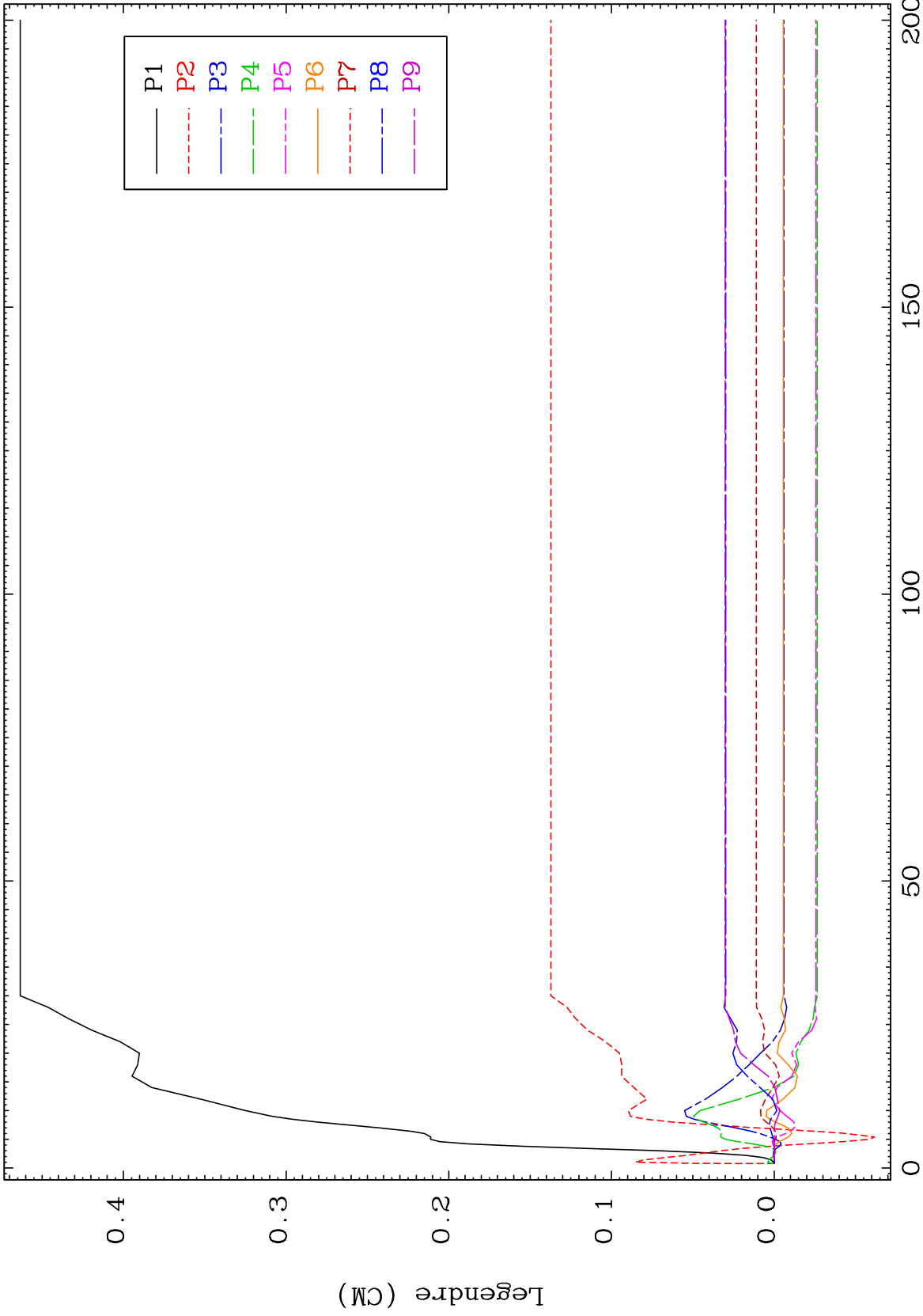
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

72-Hf-181



63

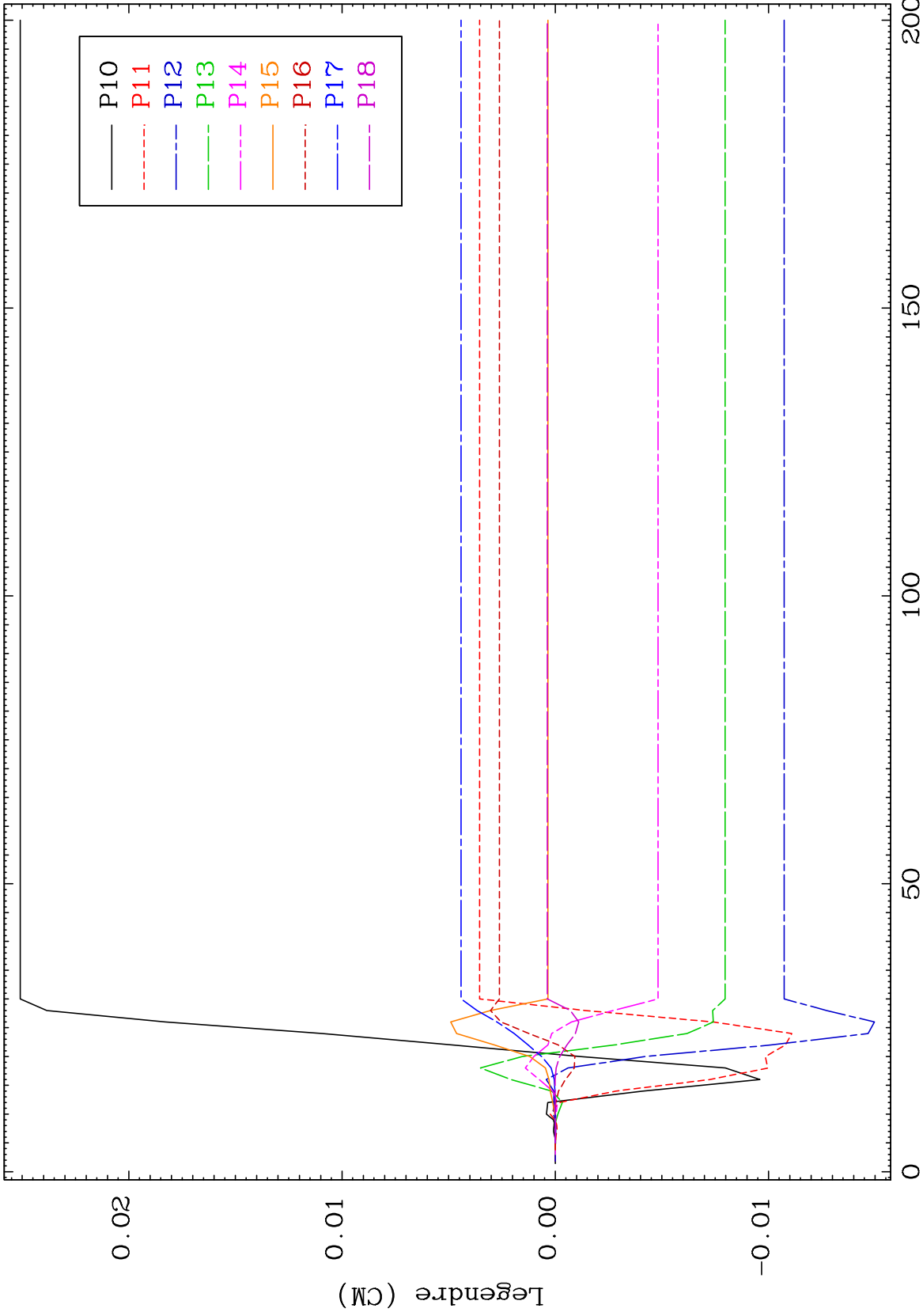
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

72-Hf-181



64

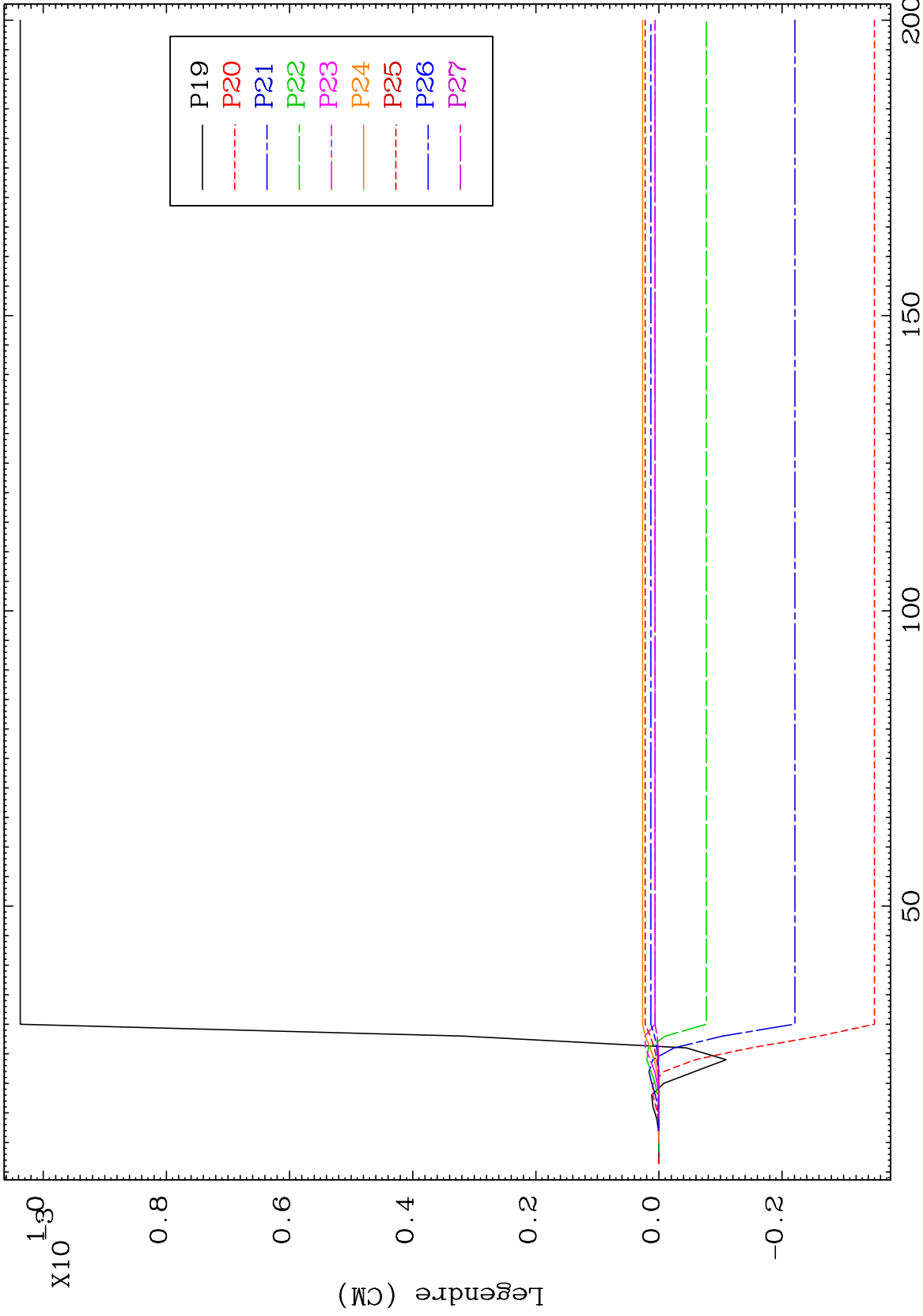
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

72-Hf-181



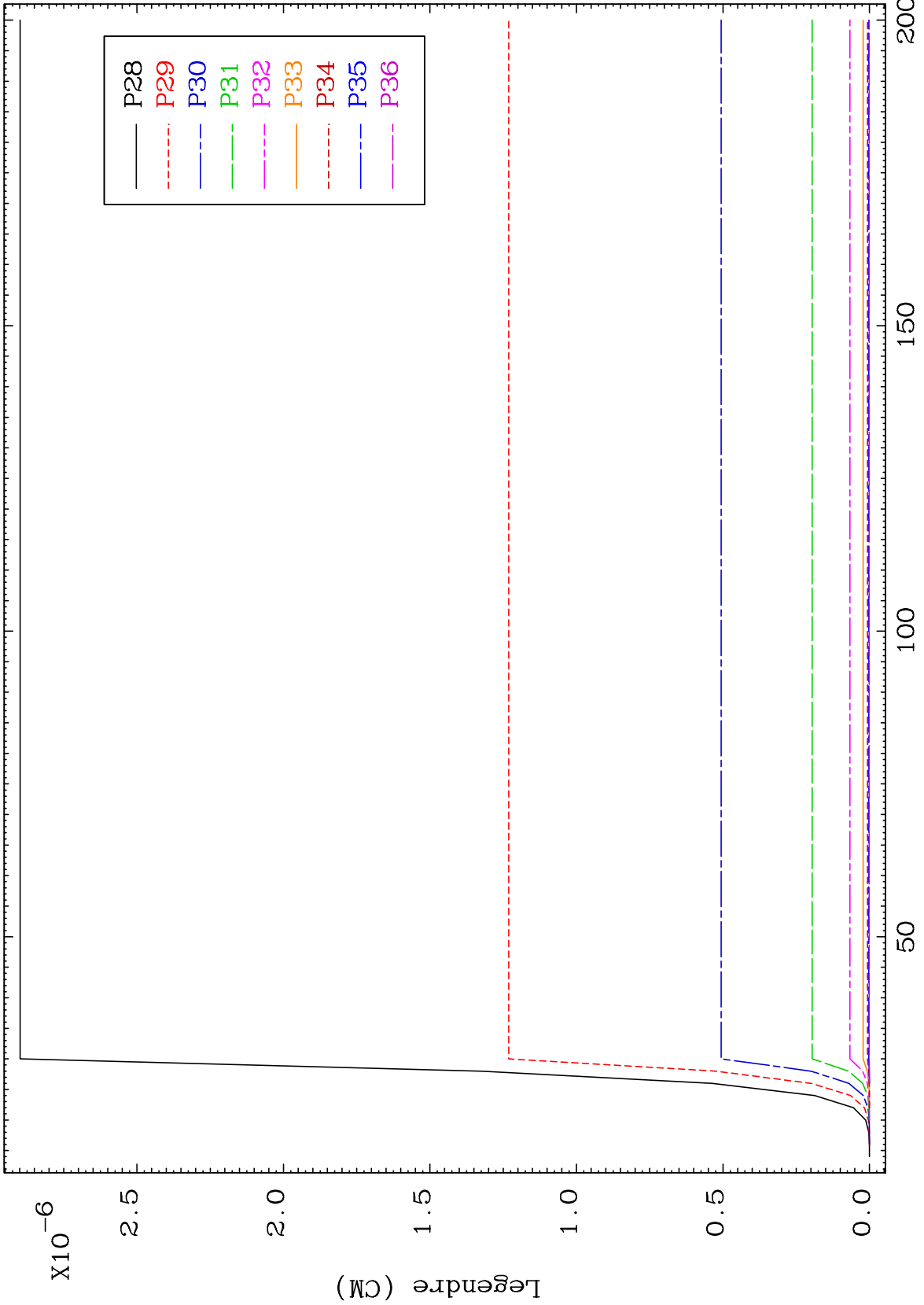
65

72-Hf-181

MAT 7246

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

72-Hf-181



66

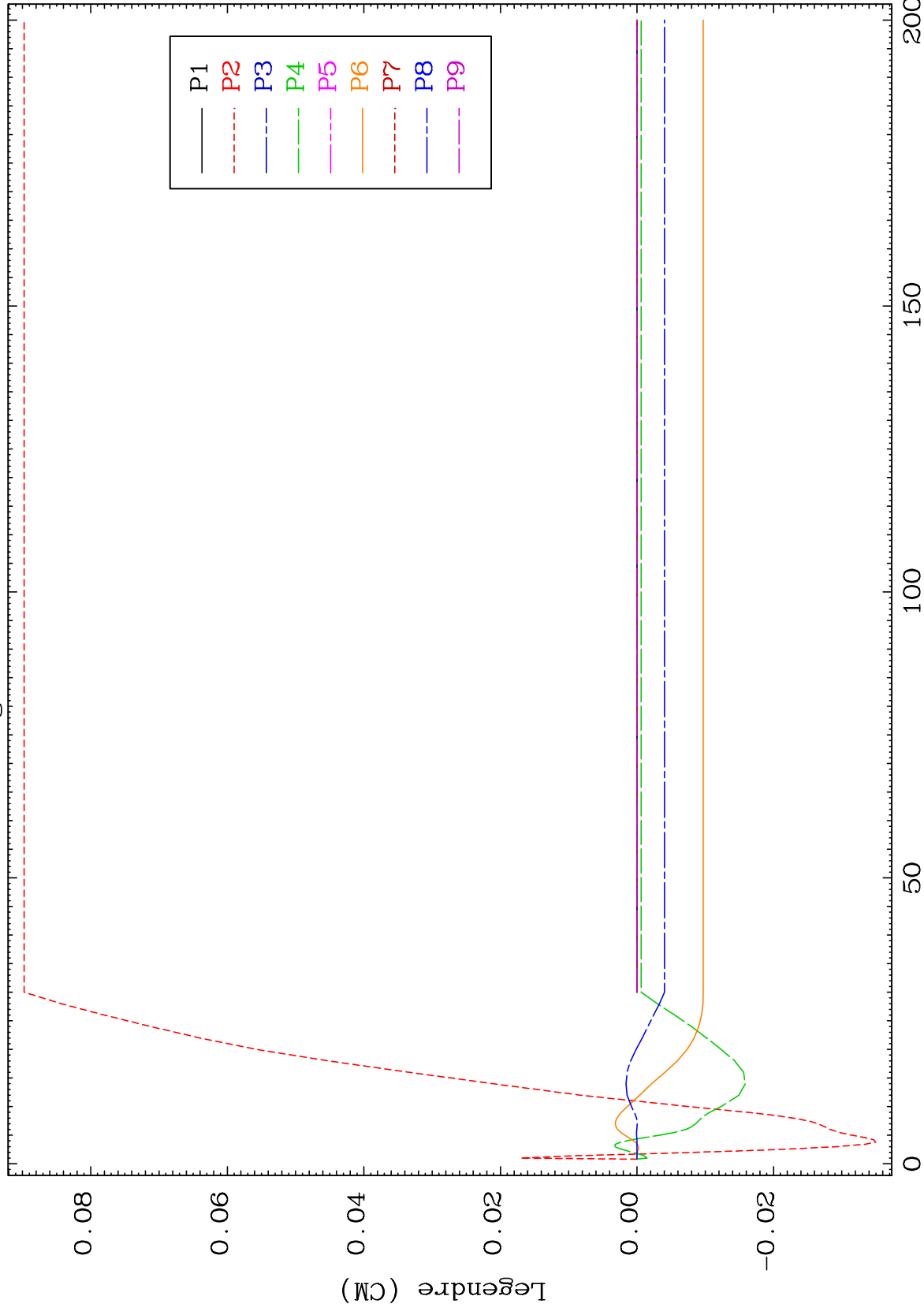
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

72-Hf-181



67

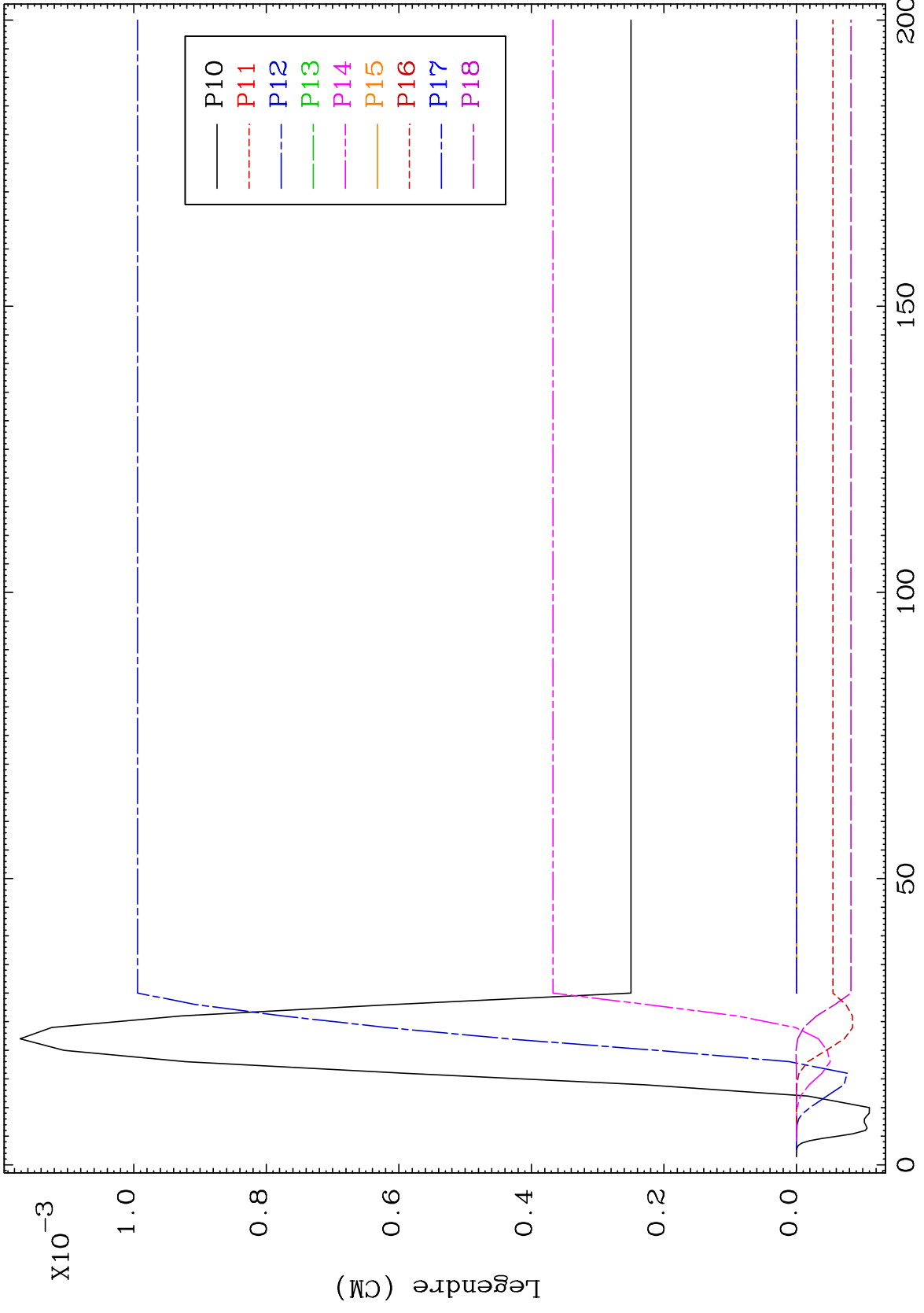
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

72-Hf-181



68

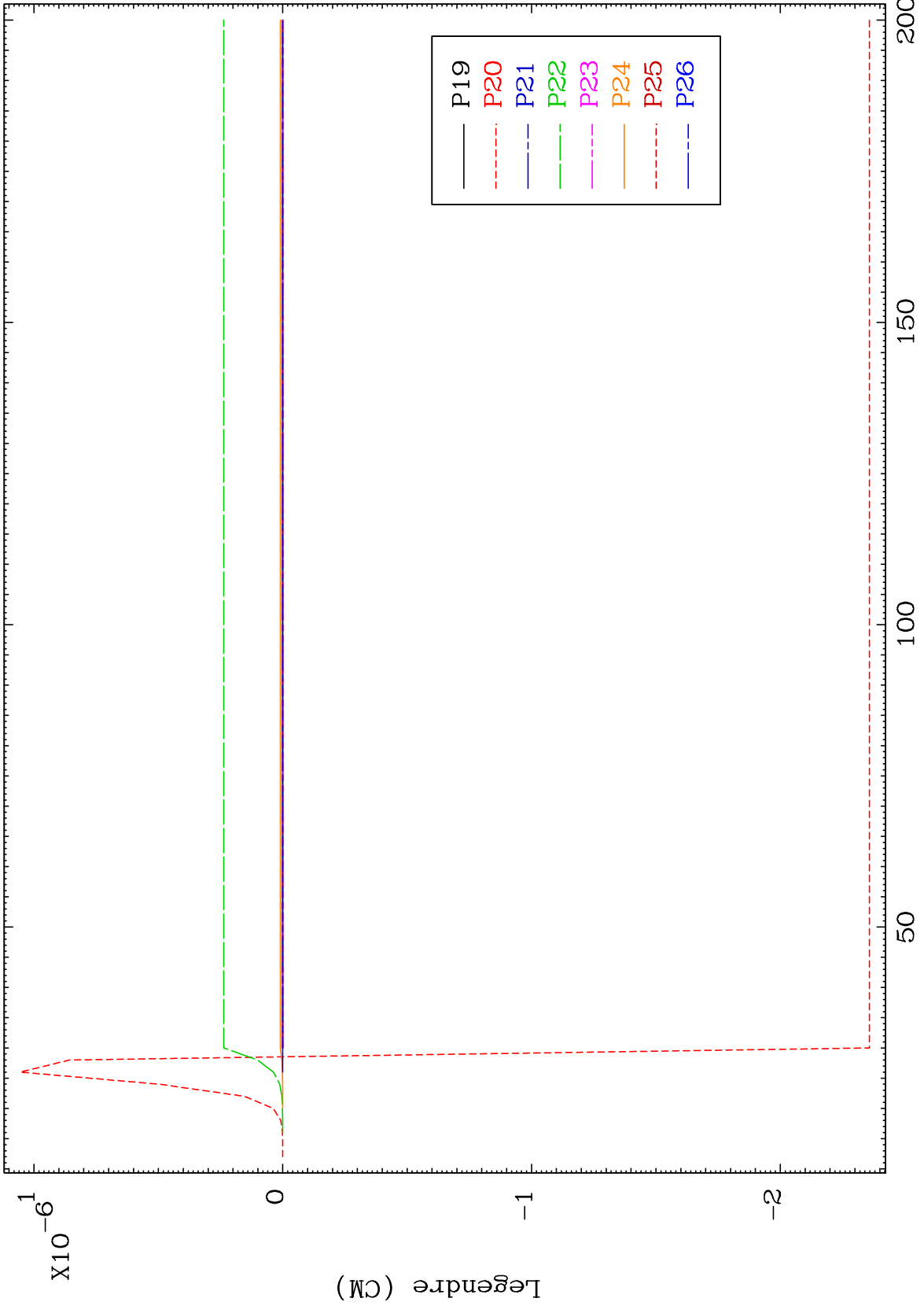
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

72-Hf-181



69

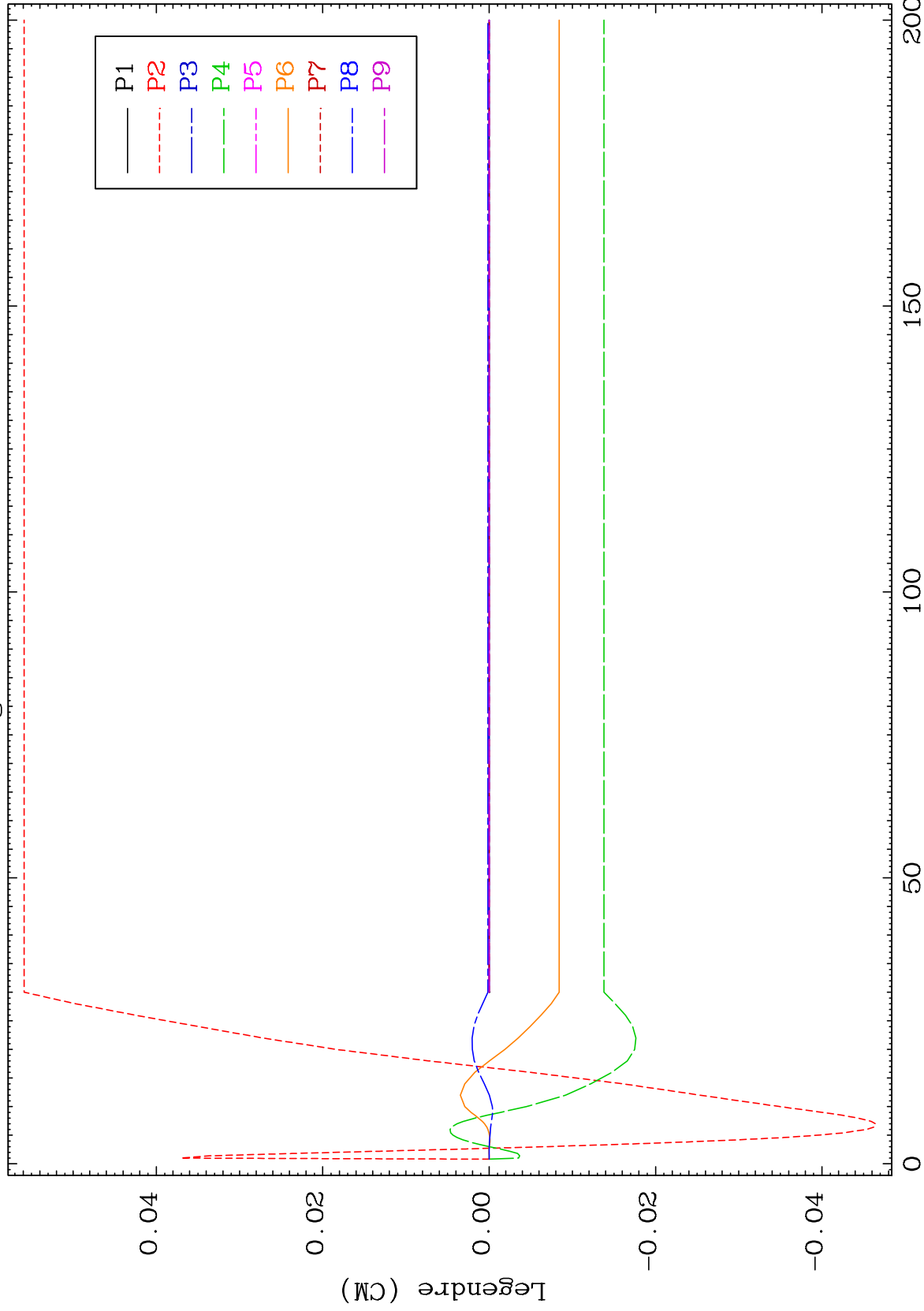
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

72-Hf-181



70

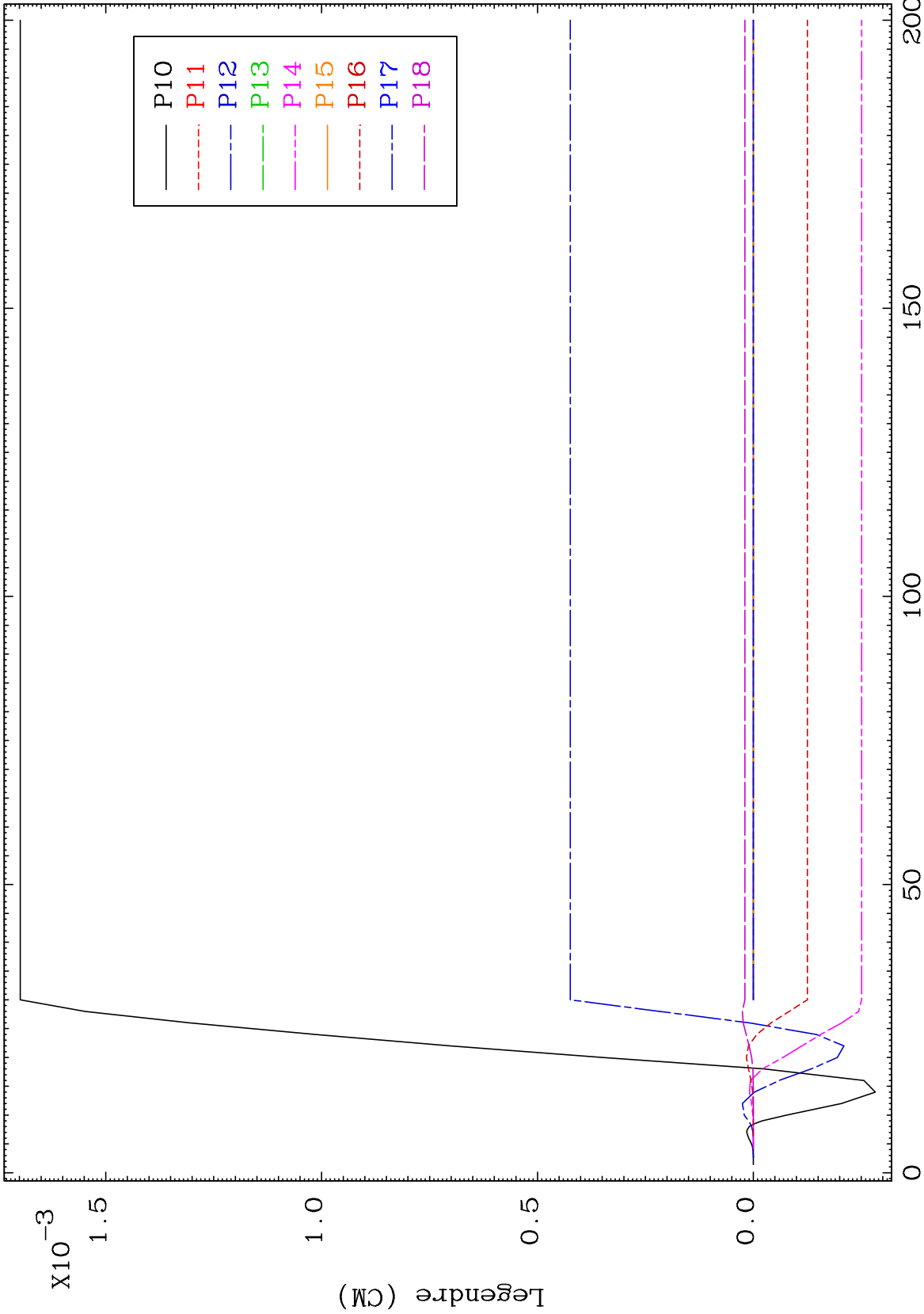
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

72-Hf-181

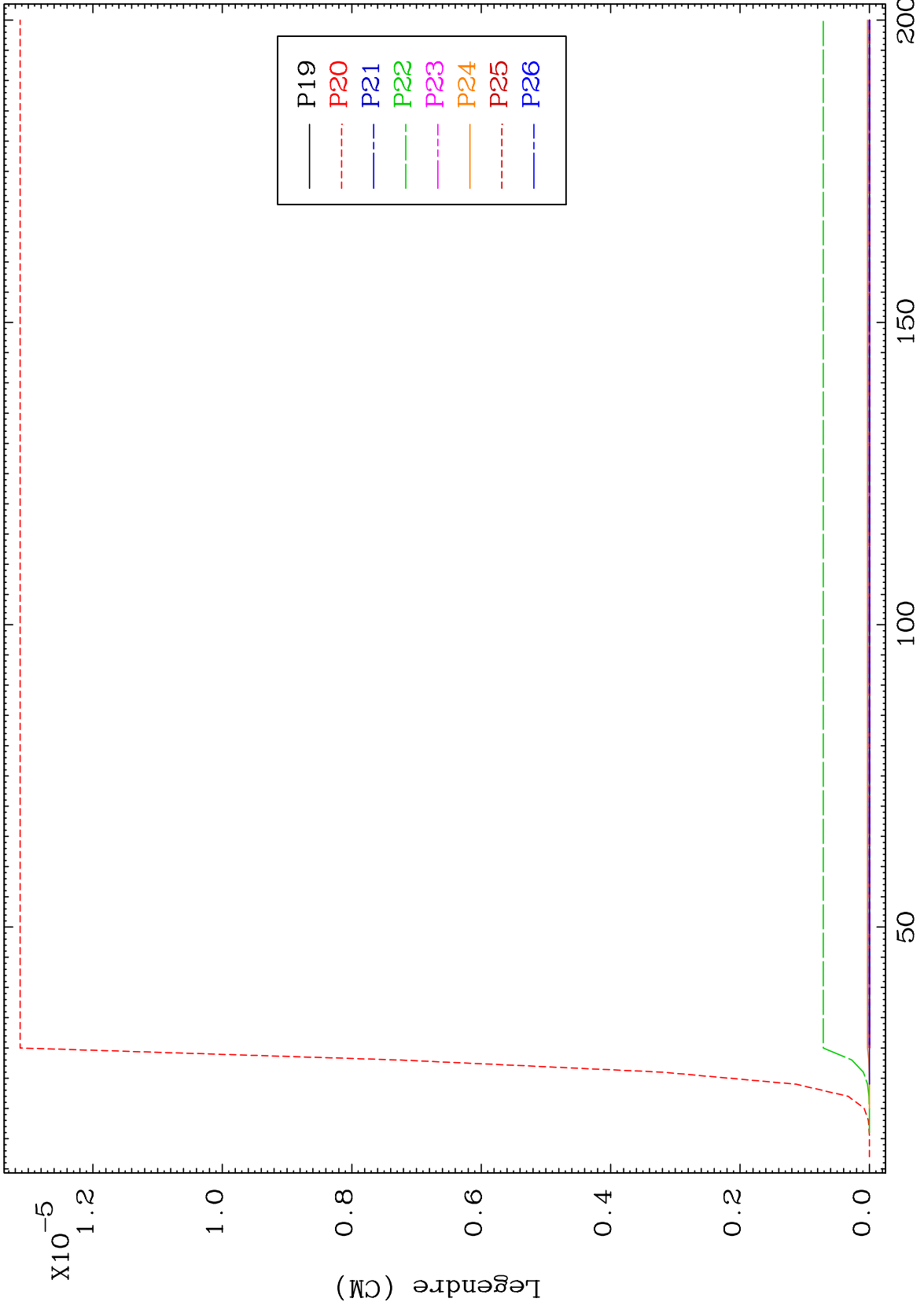


71

Incident Energy (MeV)

72-Hf-181

MAT 7246 MT= 67 (n,n') Level Legendre Coefficients 72-Hf-181



72-Hf-181

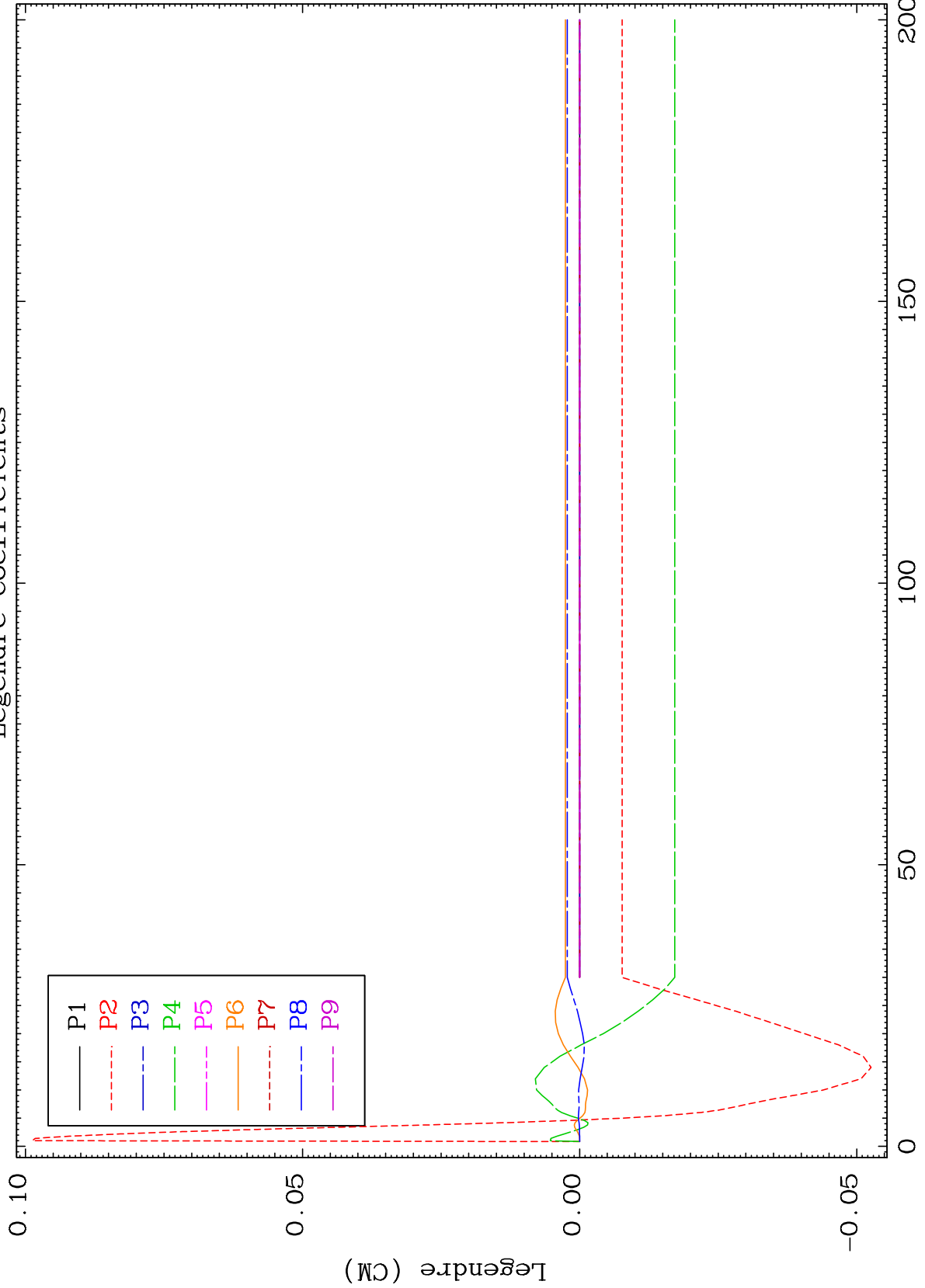
MAT 7246 MT= 68 (n,n') Level Legendre Coefficients

72-Hf-181

72-Hf-181

Incident Energy (MeV)

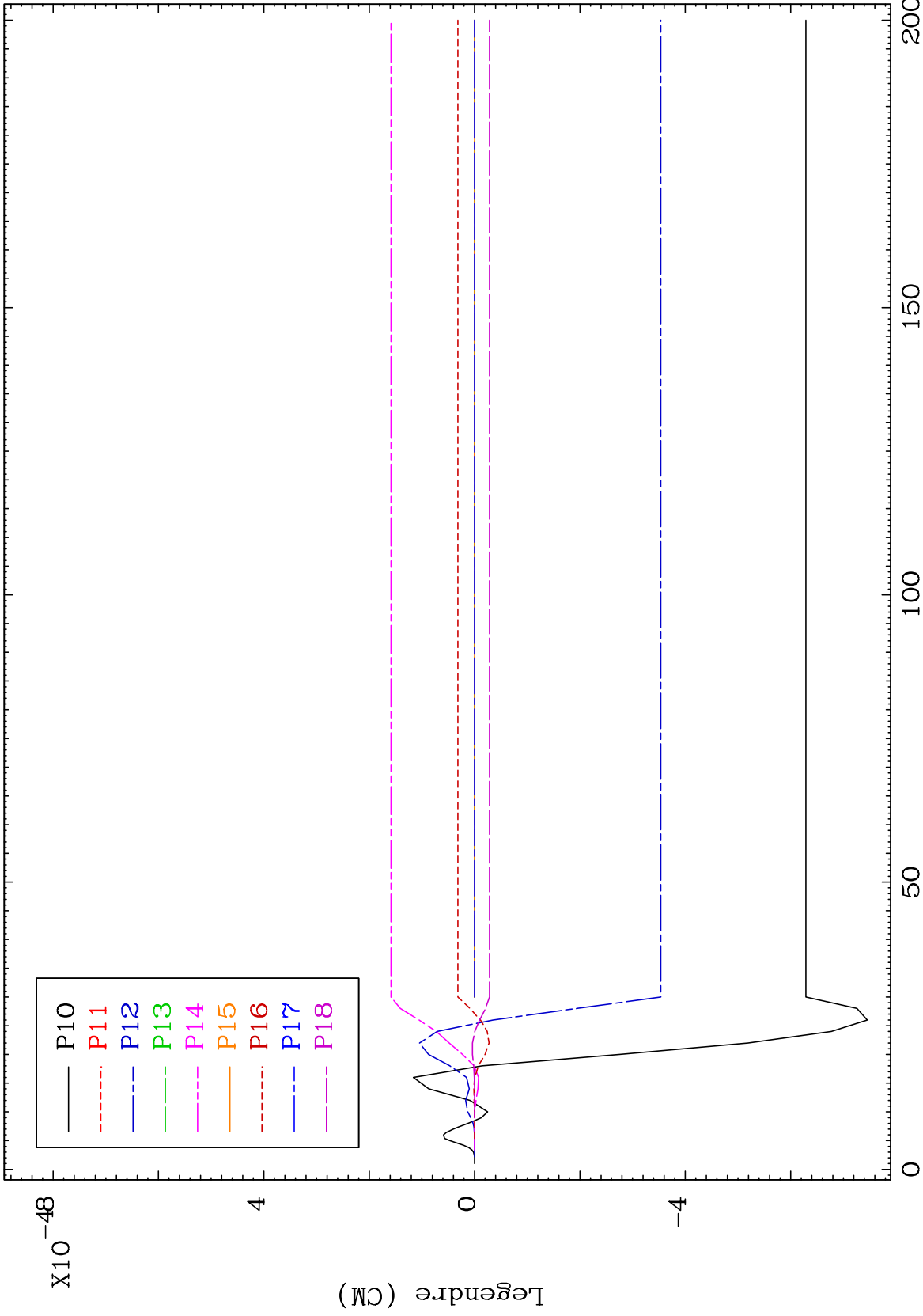
73



MAT 7246

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

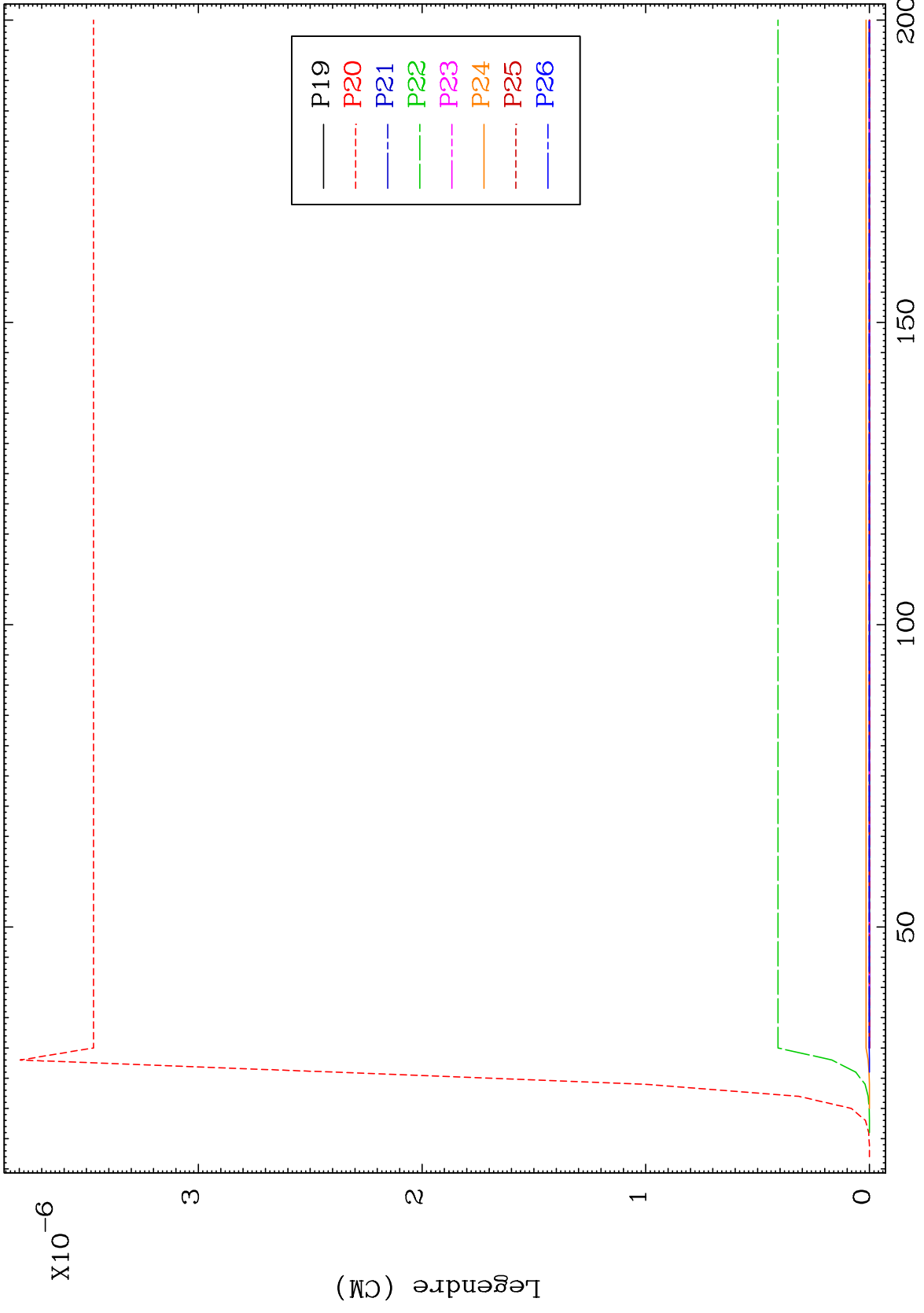
72-Hf-181



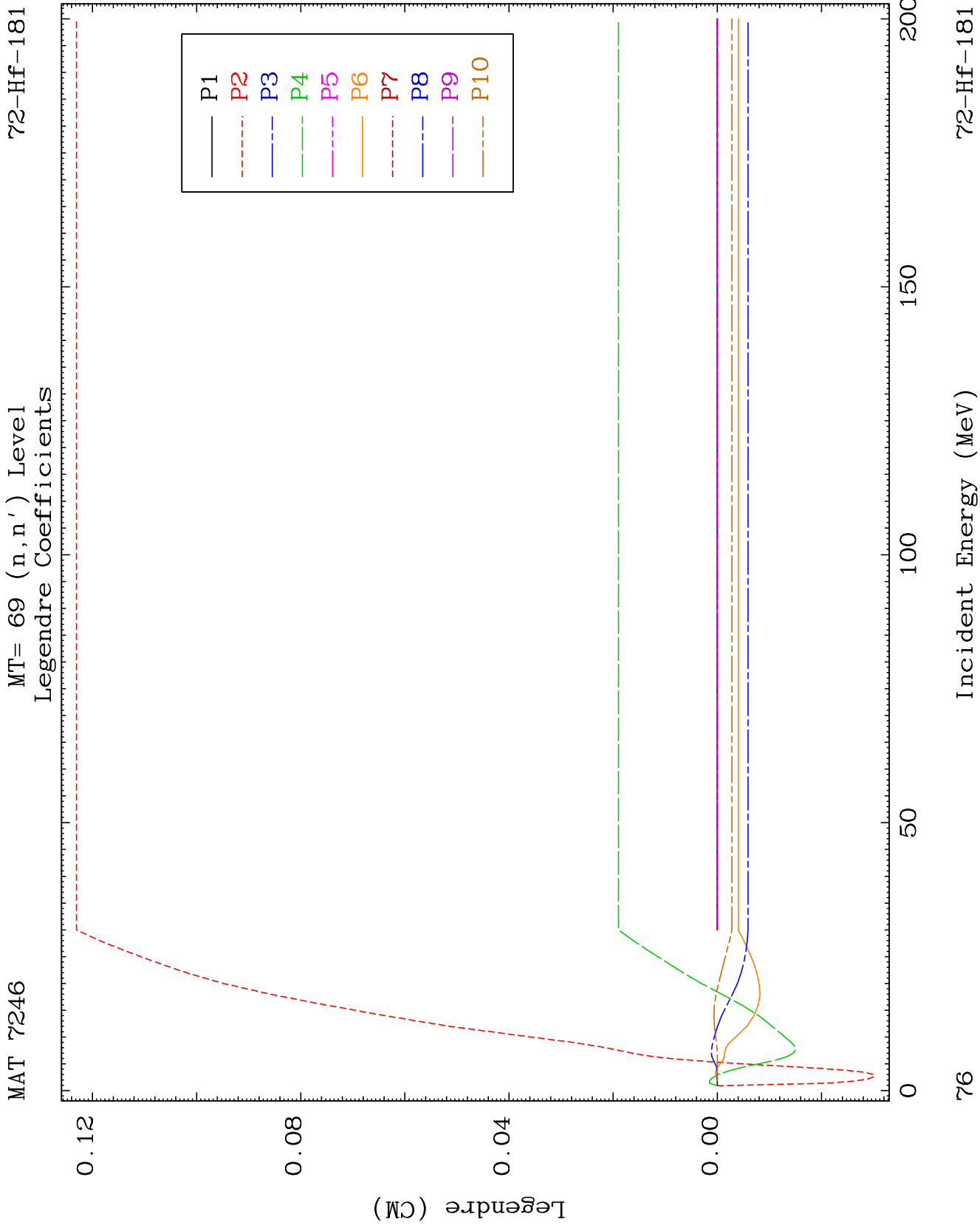
74

72-Hf-181

MAT 7246 MT= 68 (n,n') Level Legendre Coefficients 72-Hf-181



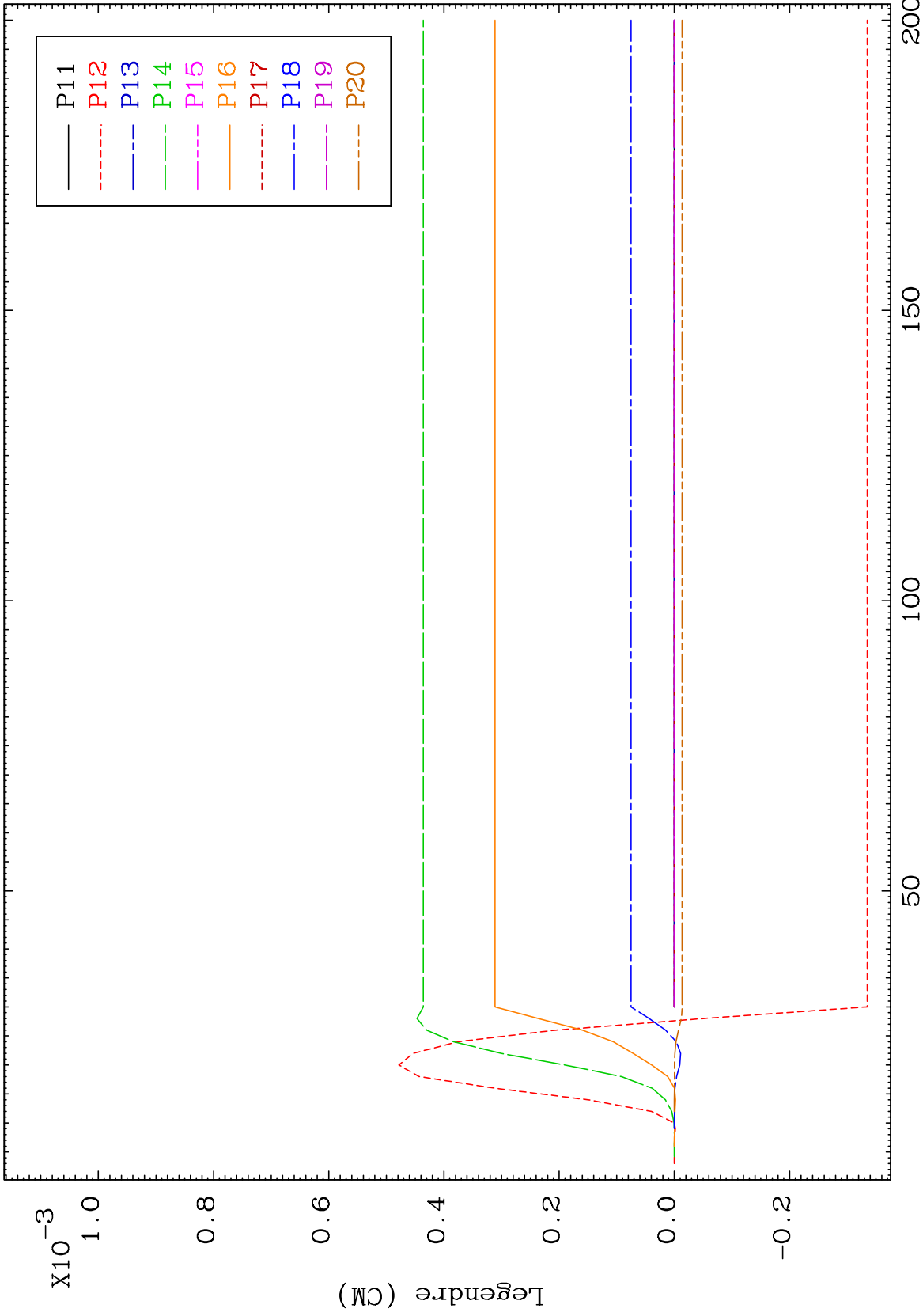
75 72-Hf-181



MAT 7246

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

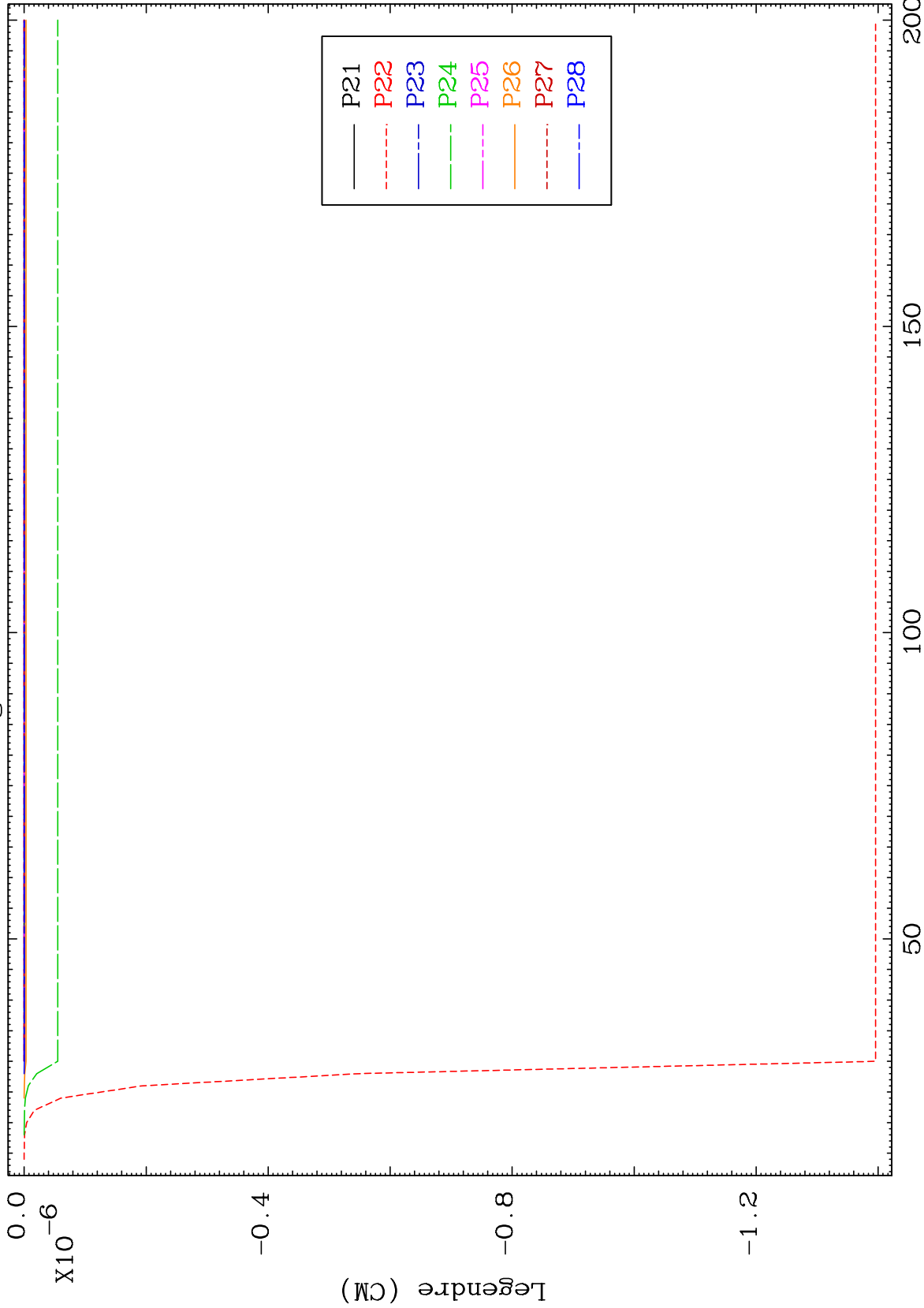
72-Hf-181



77

72-Hf-181

MAT 7246 MT= 69 (n,n') Level Legendre Coefficients 72-Hf-181

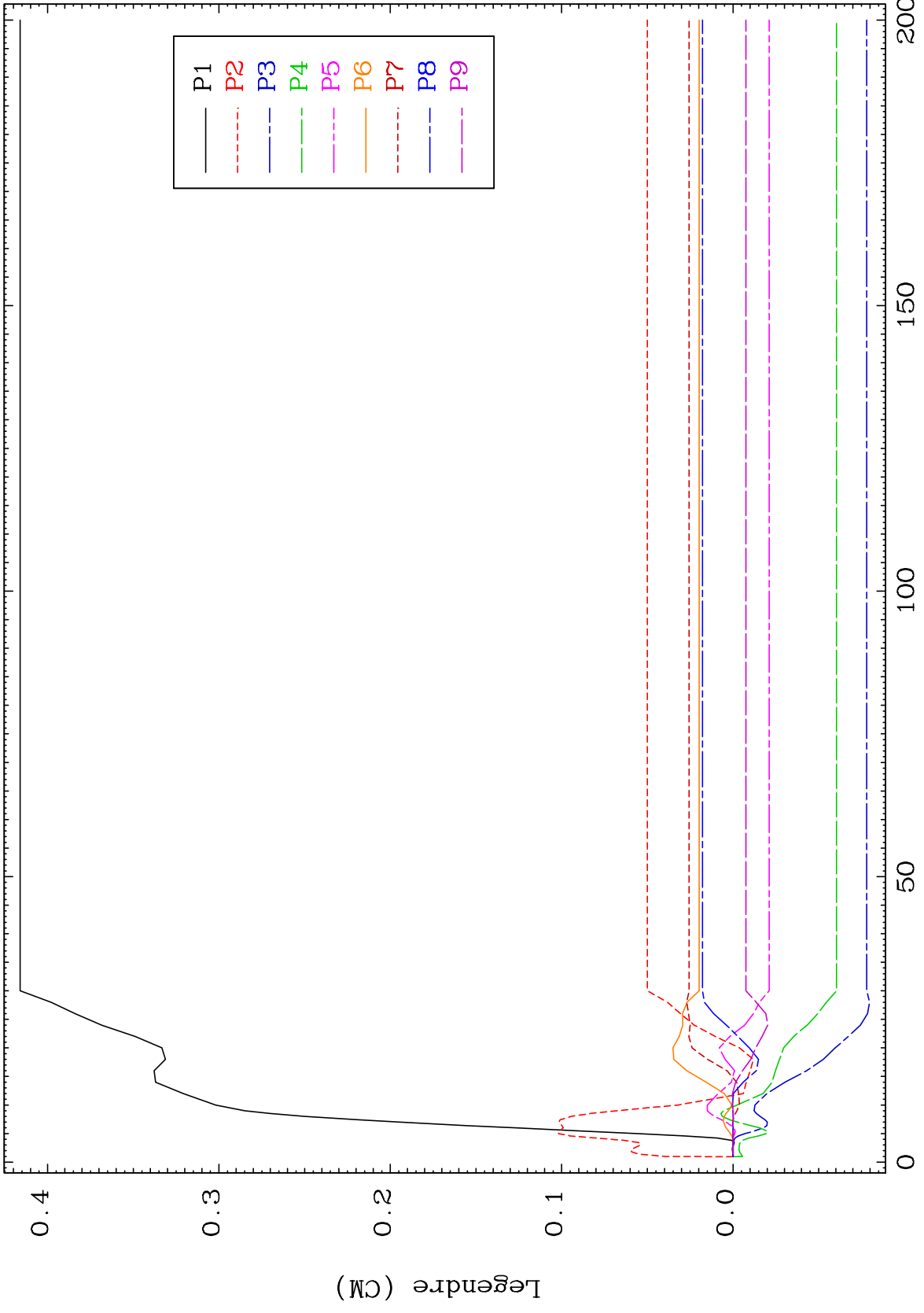


78 72-Hf-181

MAT 7246

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

72-Hf-181

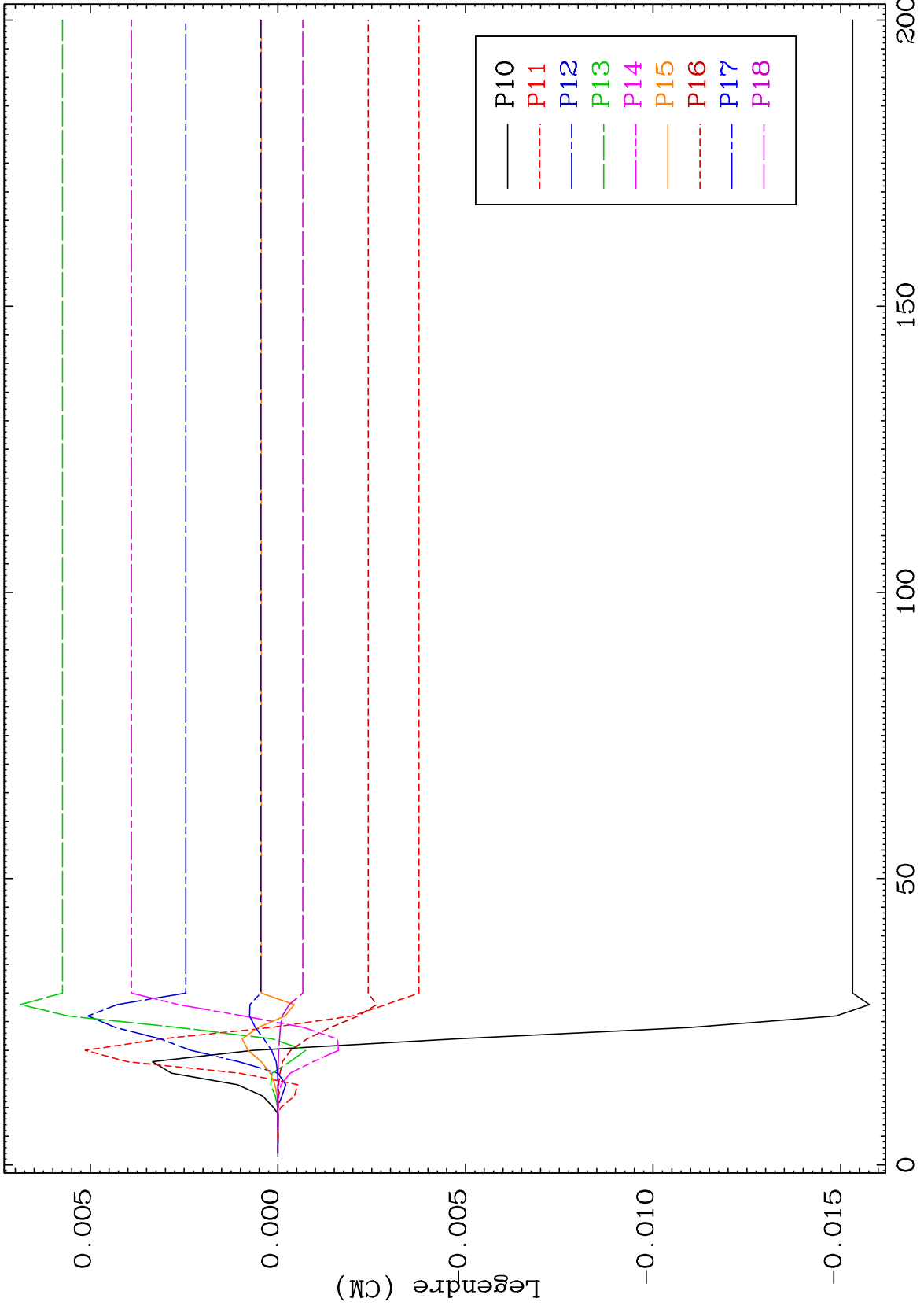


79

Incident Energy (MeV)

72-Hf-181

MAT 7246 MT= 70 (n,n') Level Legendre Coefficients 72-Hf-181

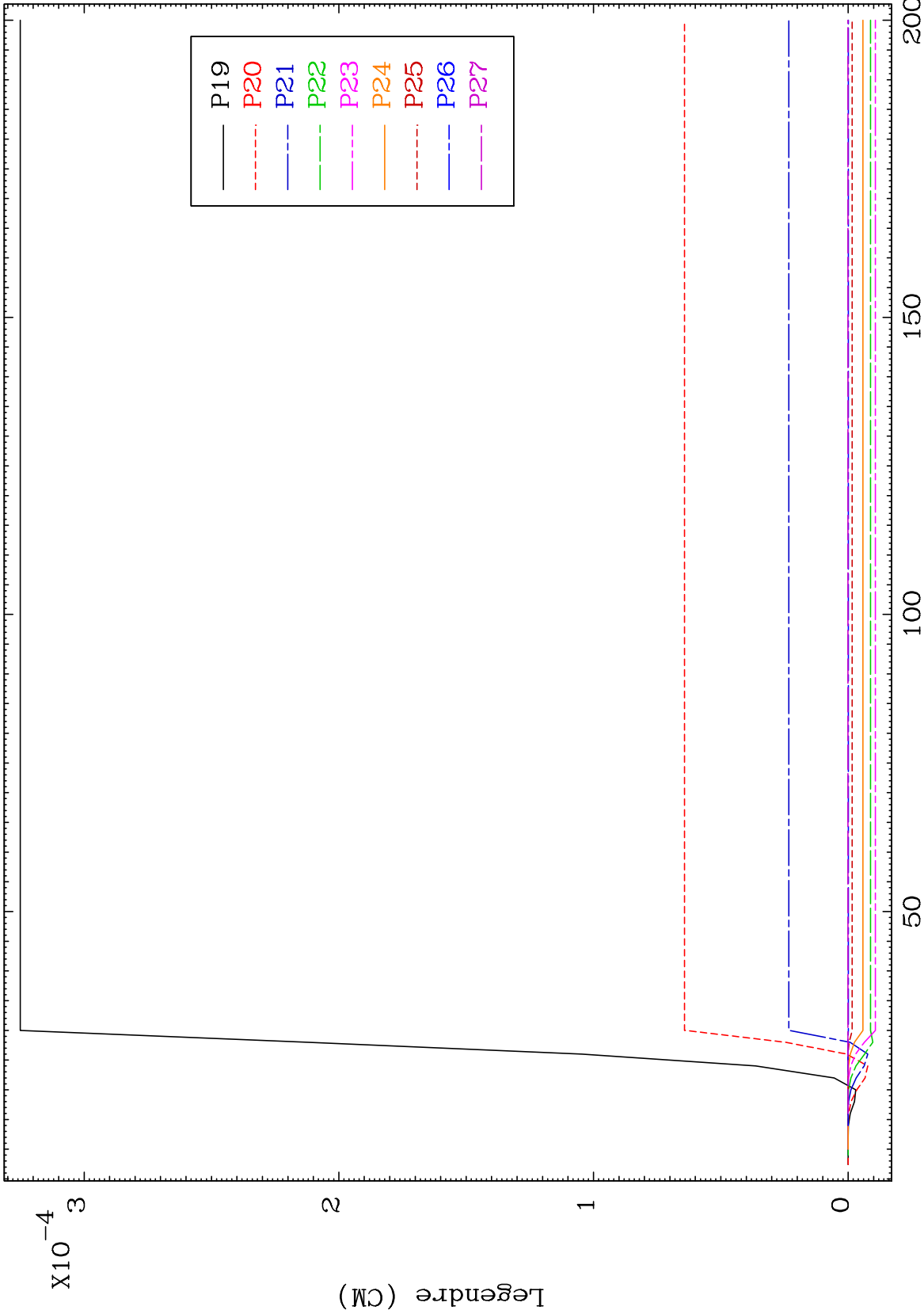


80 Incident Energy (MeV) 72-Hf-181

MAT 7246

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

72-Hf-181



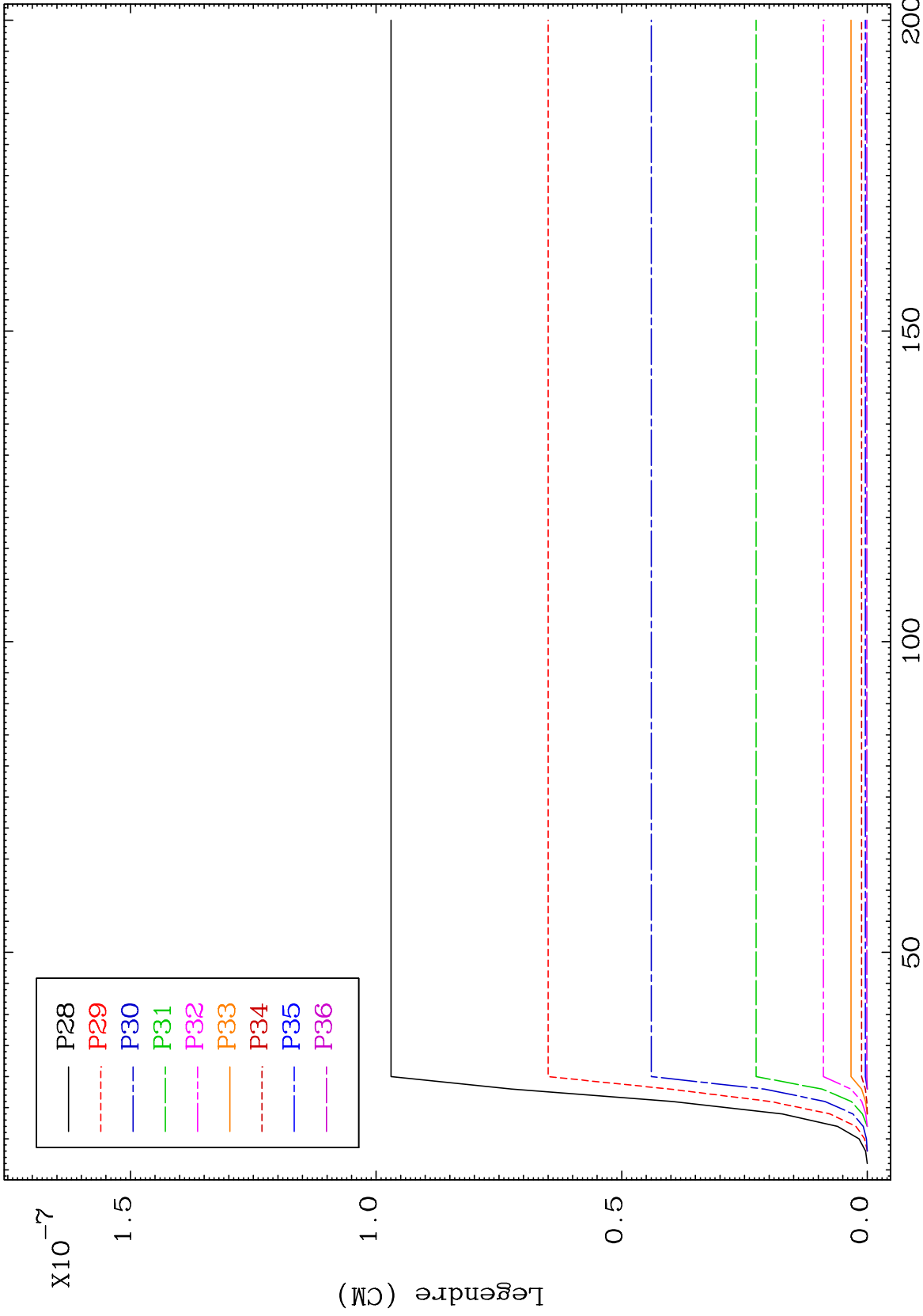
81

72-Hf-181

MAT 7246

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

72-Hf-181



82

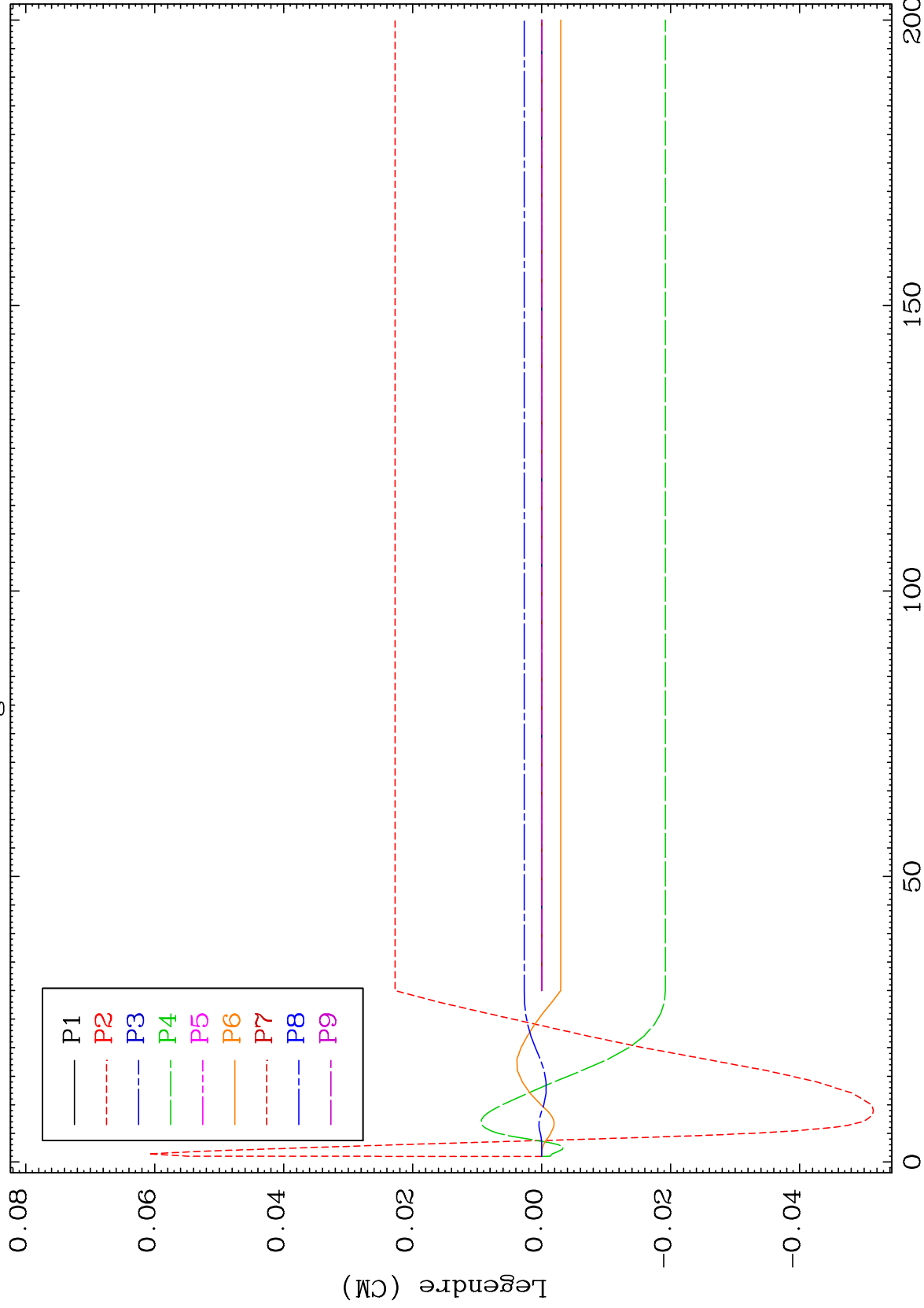
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

72-Hf-181



83

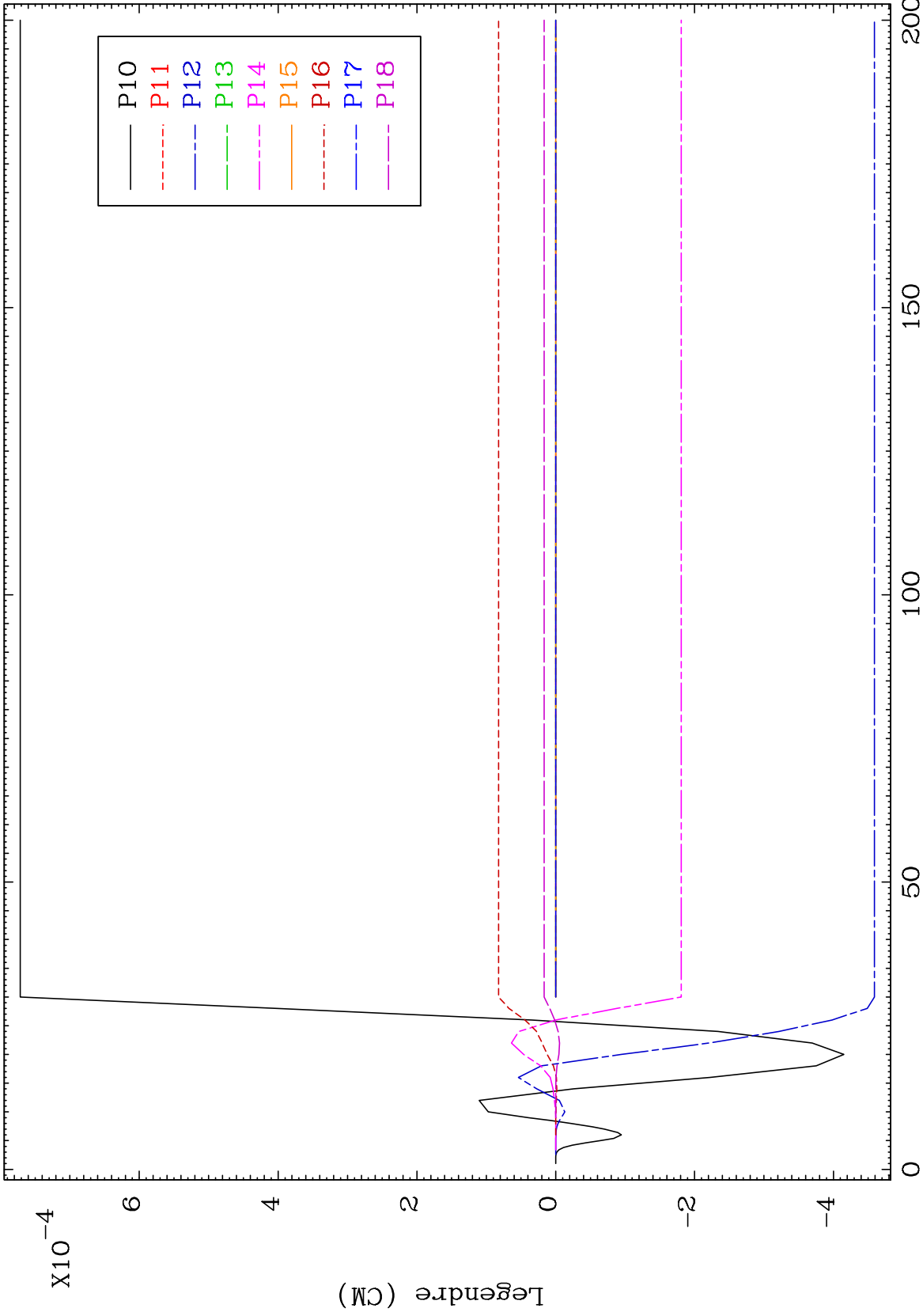
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

72-Hf-181

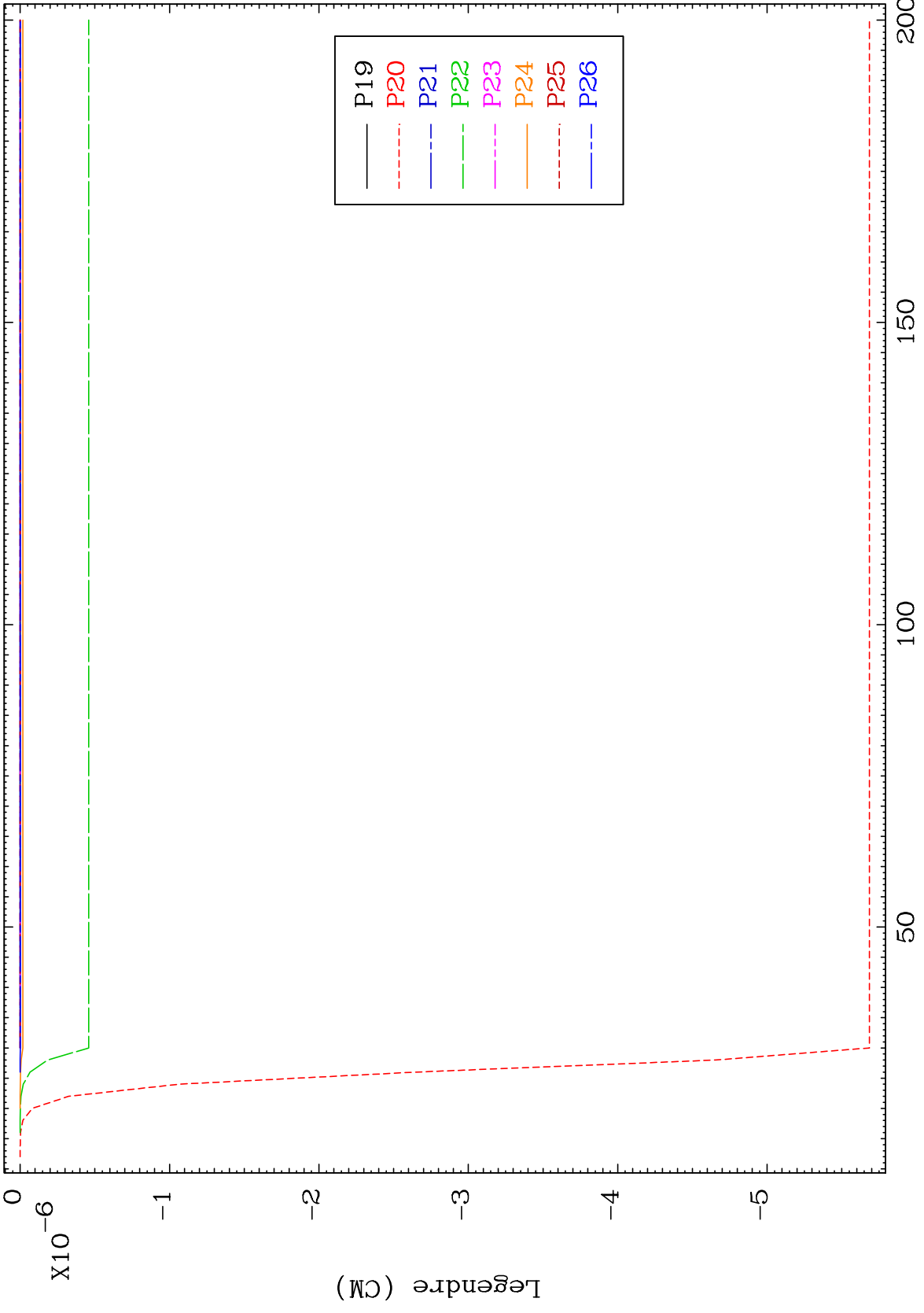


84

Incident Energy (MeV)

72-Hf-181

MAT 7246 MT= 71 (n,n') Level Legendre Coefficients 72-Hf-181

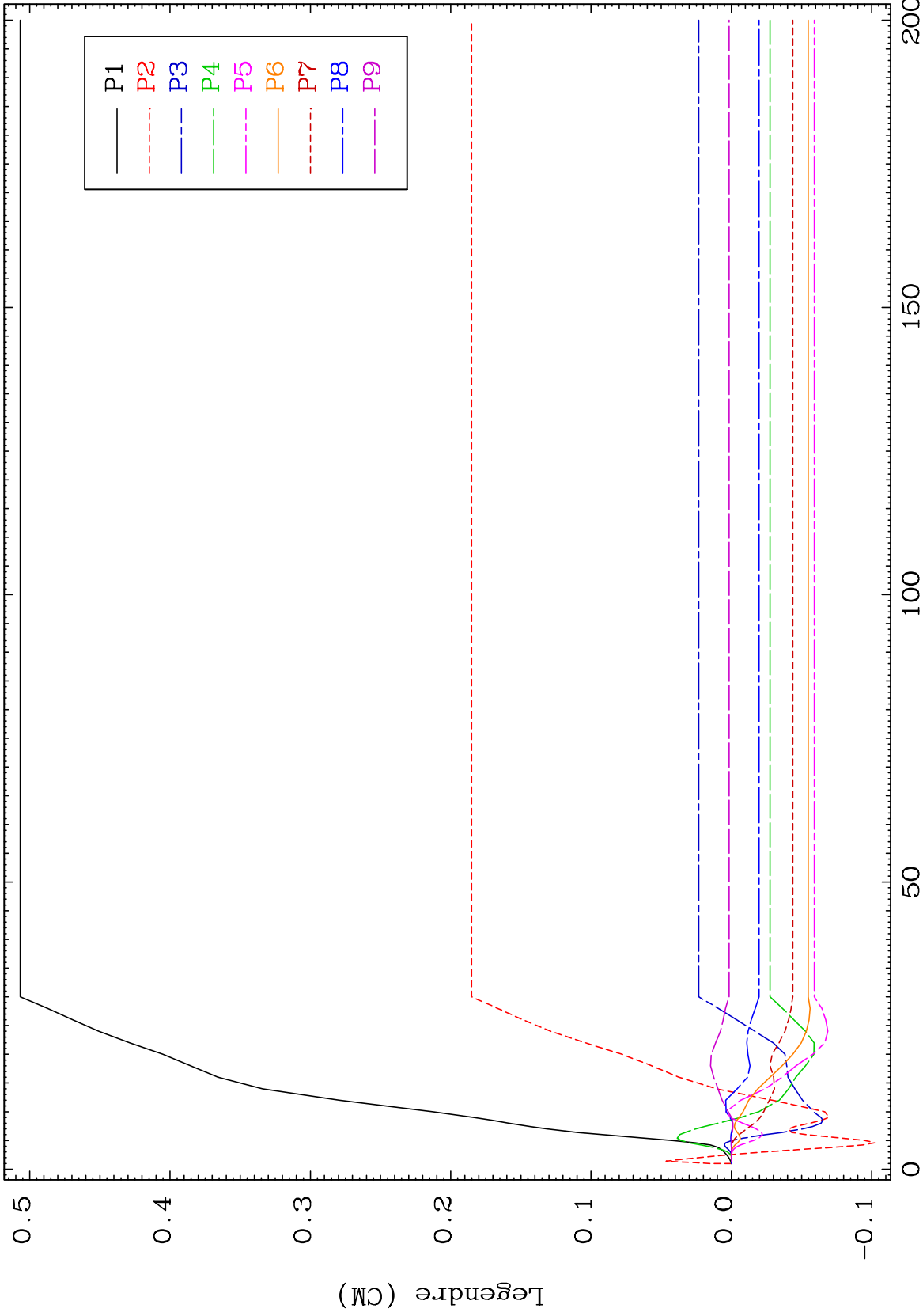


85 72-Hf-181

MAT 7246

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

72-Hf-181



86

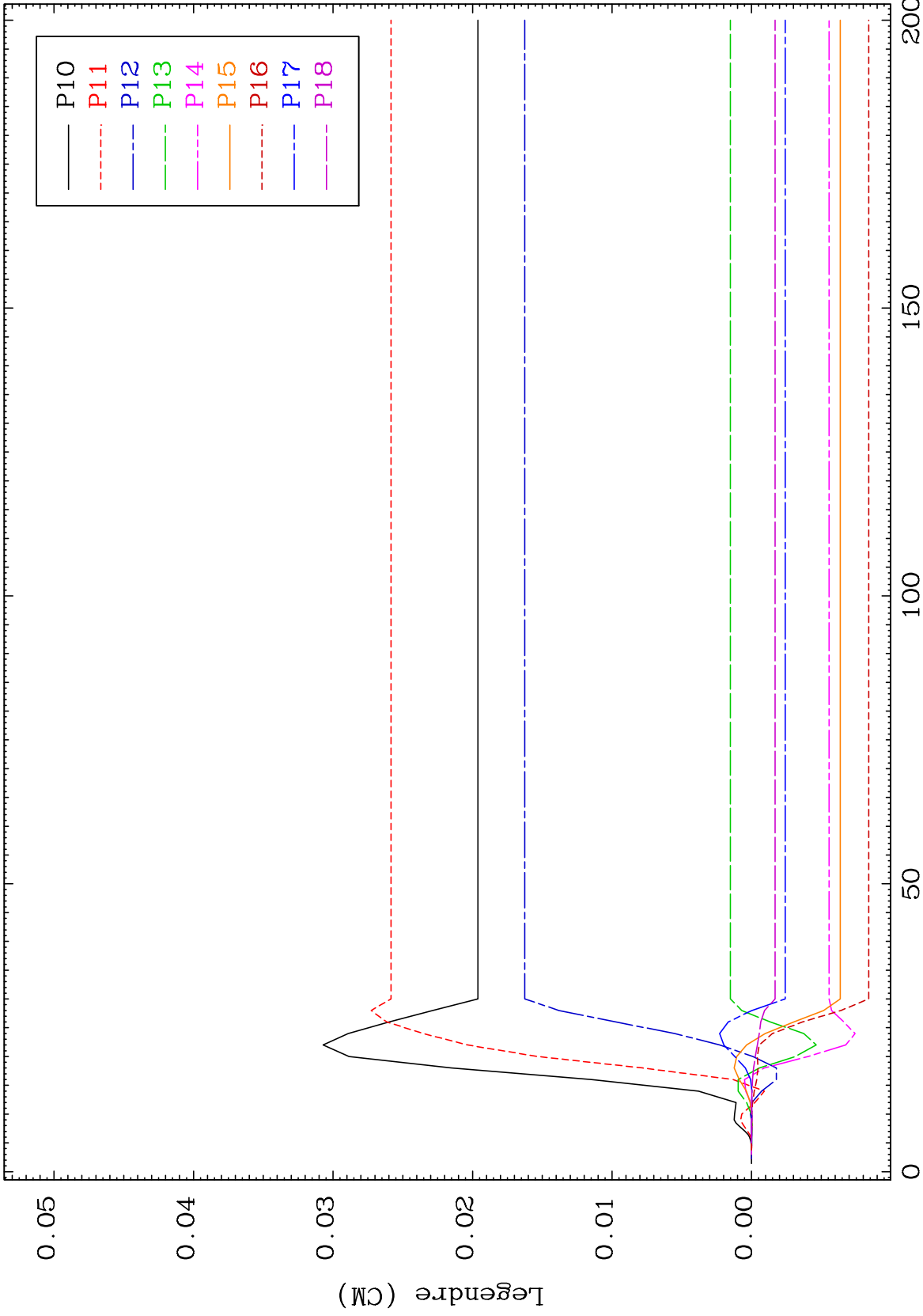
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

72-Hf-181



87

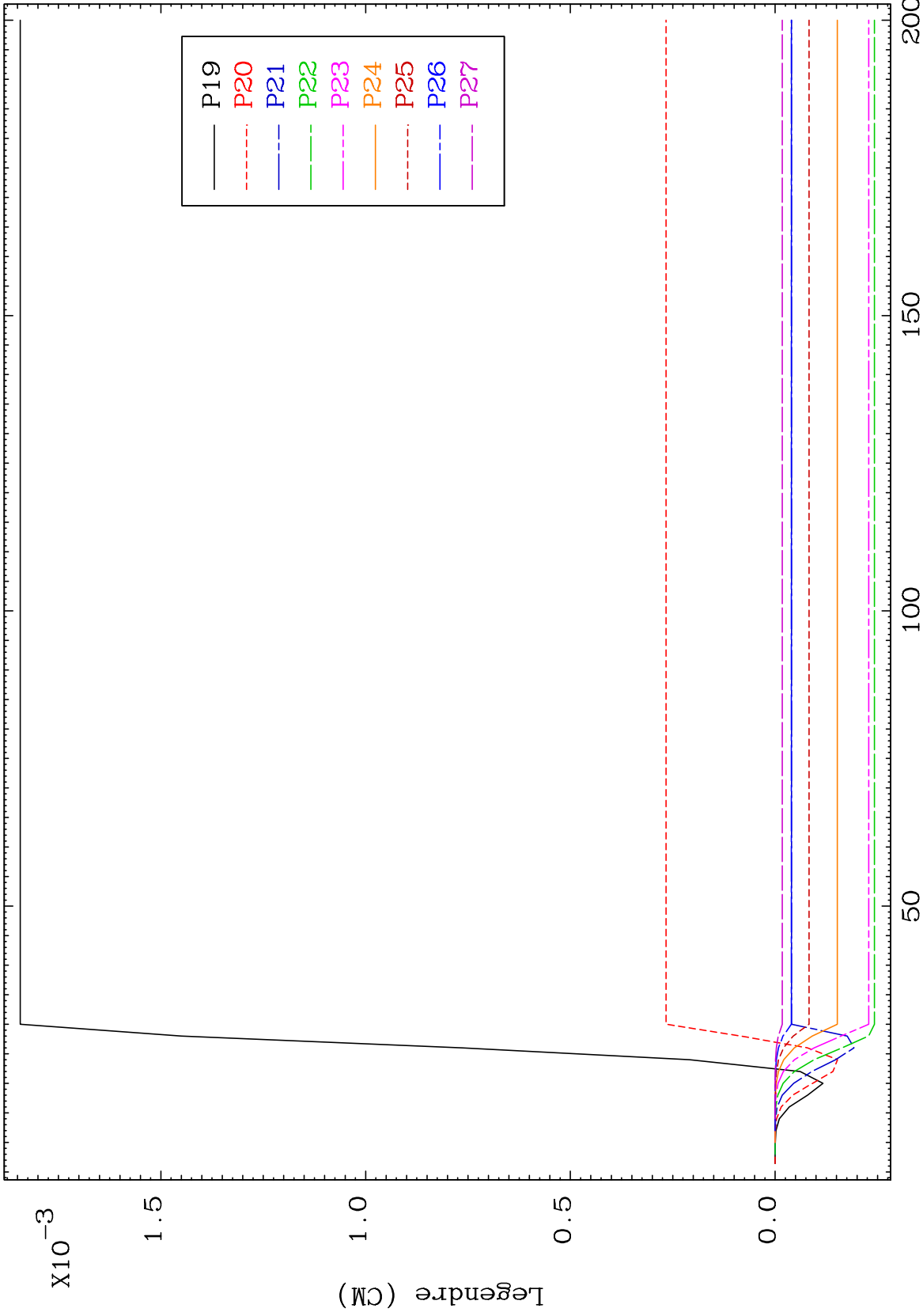
Incident Energy (MeV)

72-Hf-181

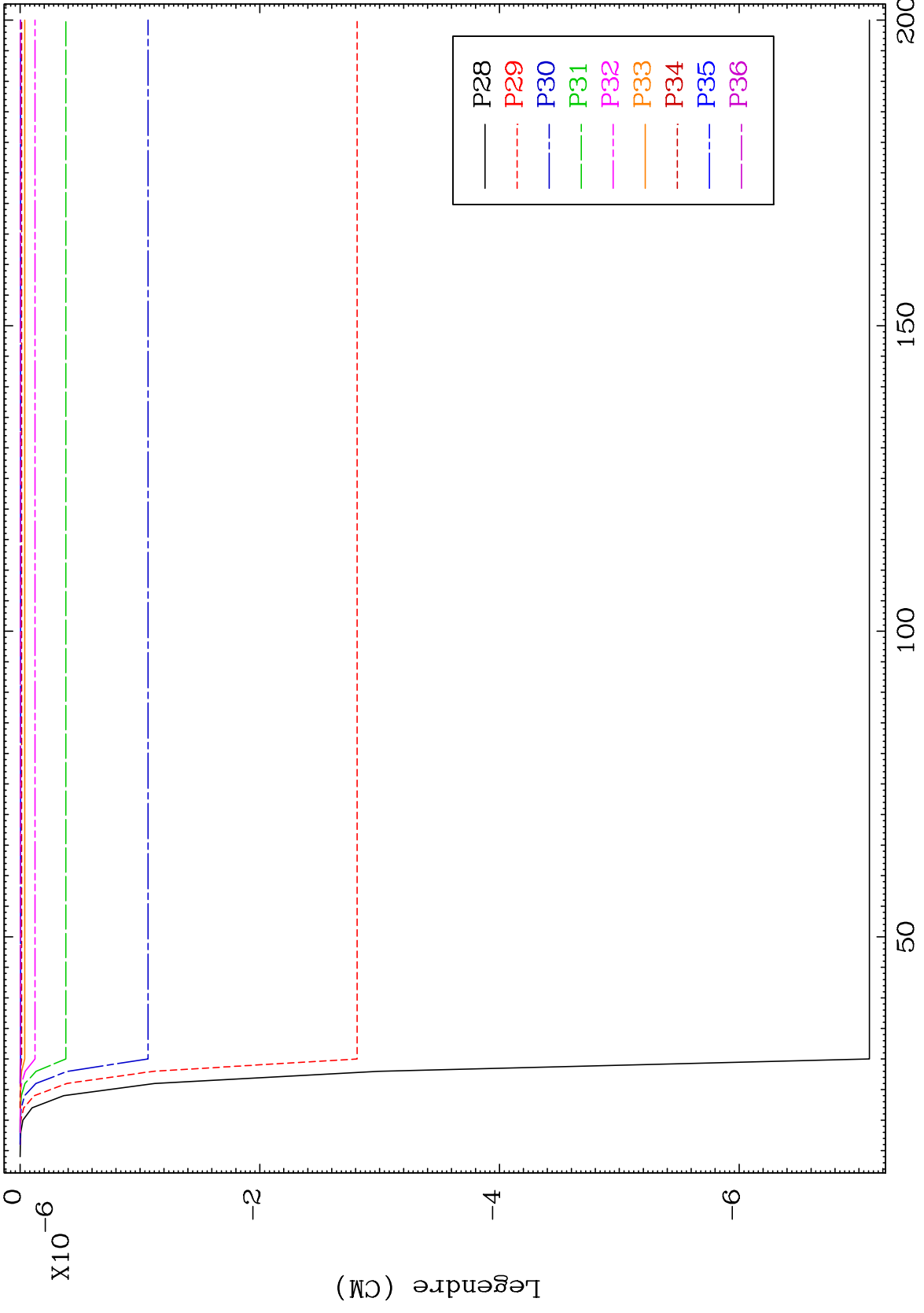
MAT 7246

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

72-Hf-181



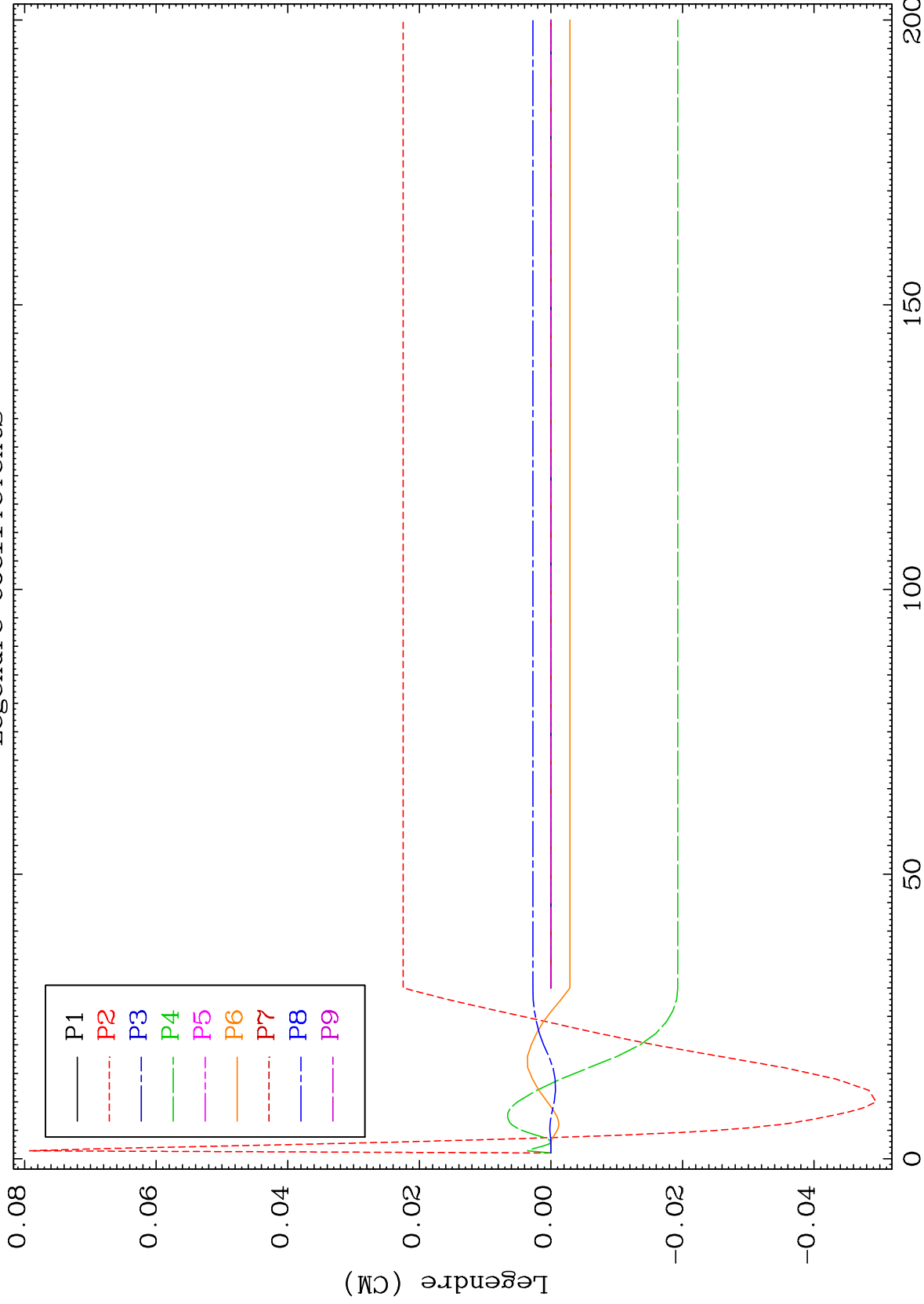
MAT 7246 MT= 72 (n,n') Level Legendre Coefficients 72-Hf-181



MAT 7246

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

72-Hf-181



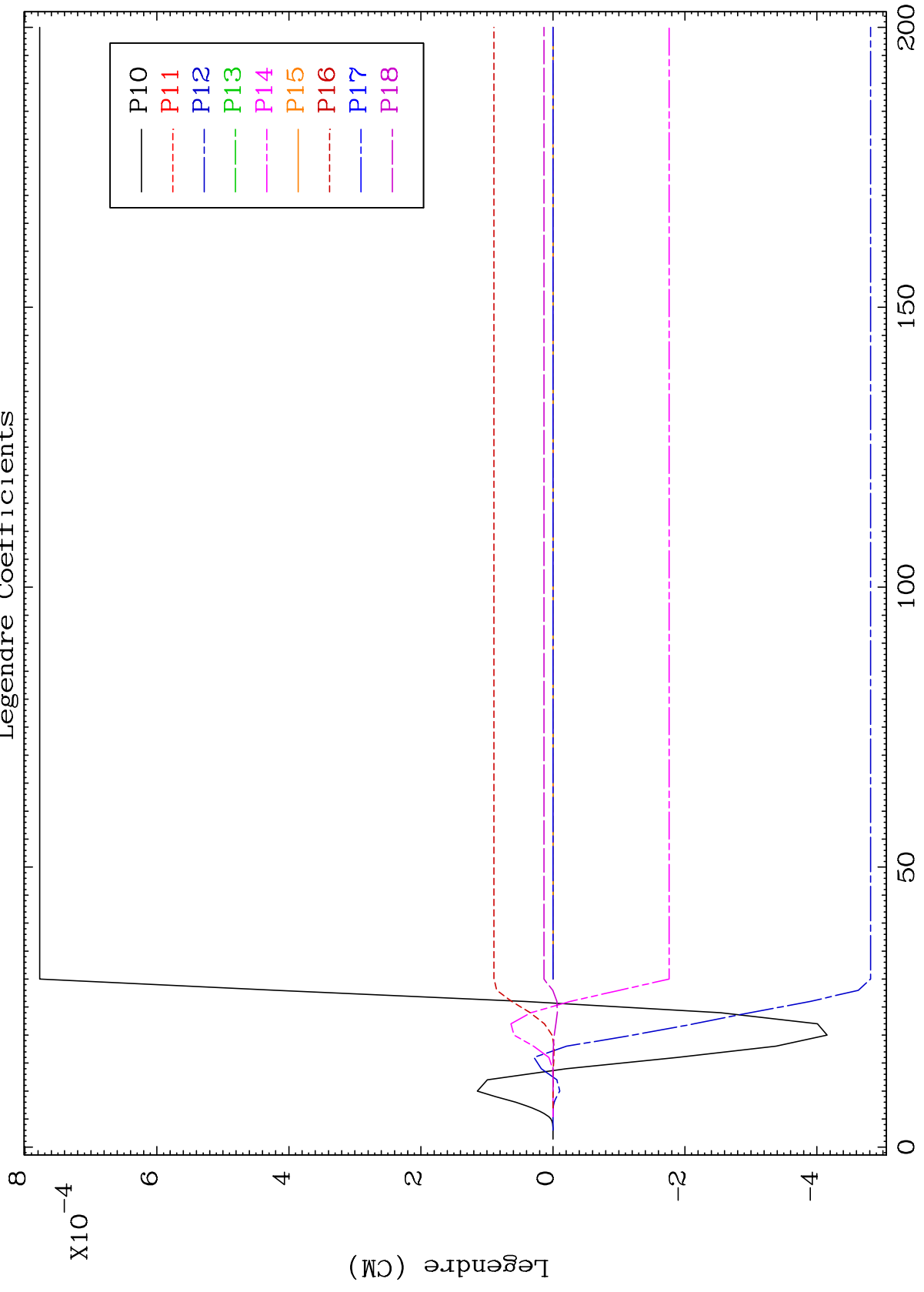
72-Hf-181

Incident Energy (MeV)

MAT 7246

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

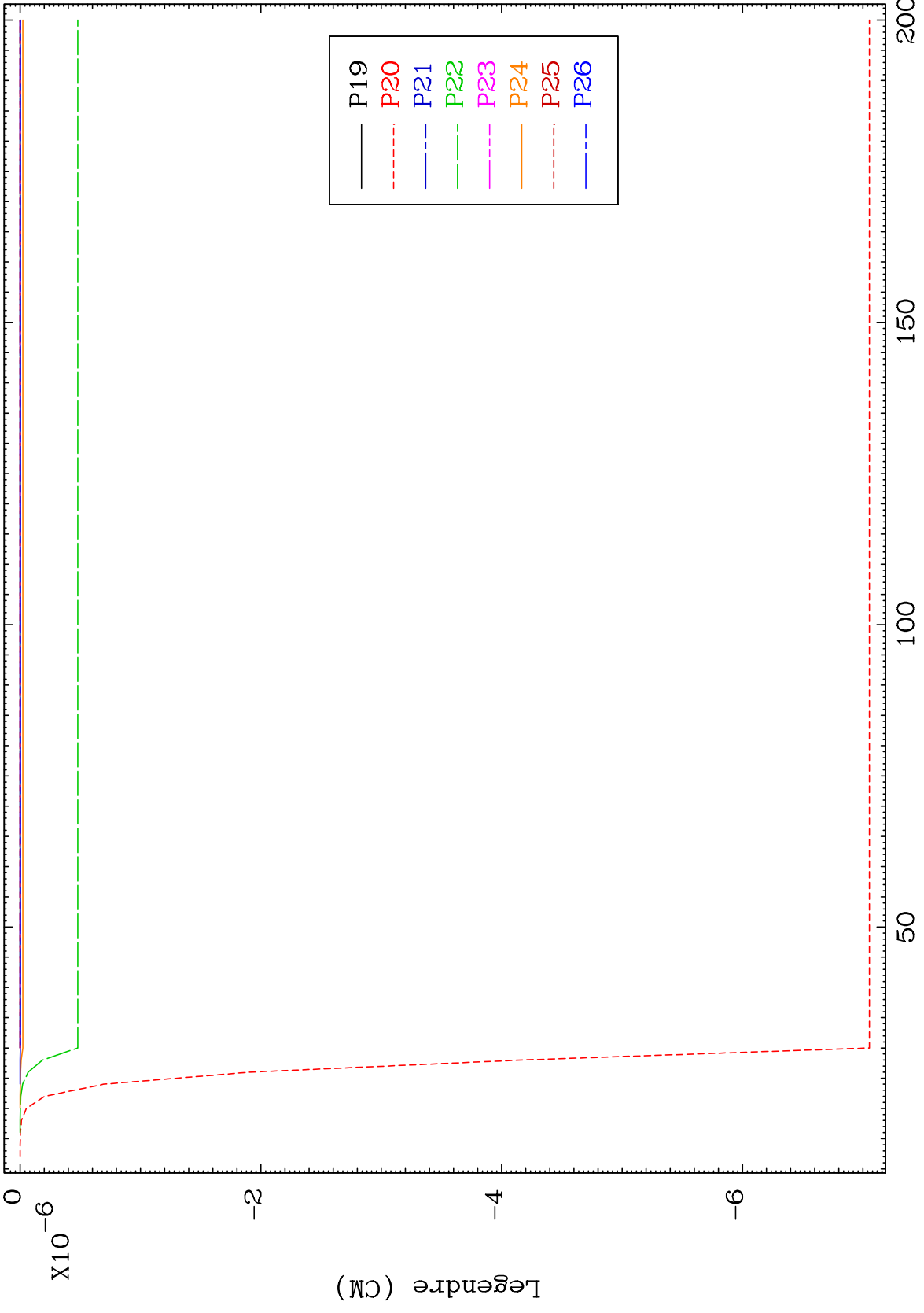
72-Hf-181



91

72-Hf-181

MAT 7246 MT= 73 (n,n') Level Legendre Coefficients 72-Hf-181

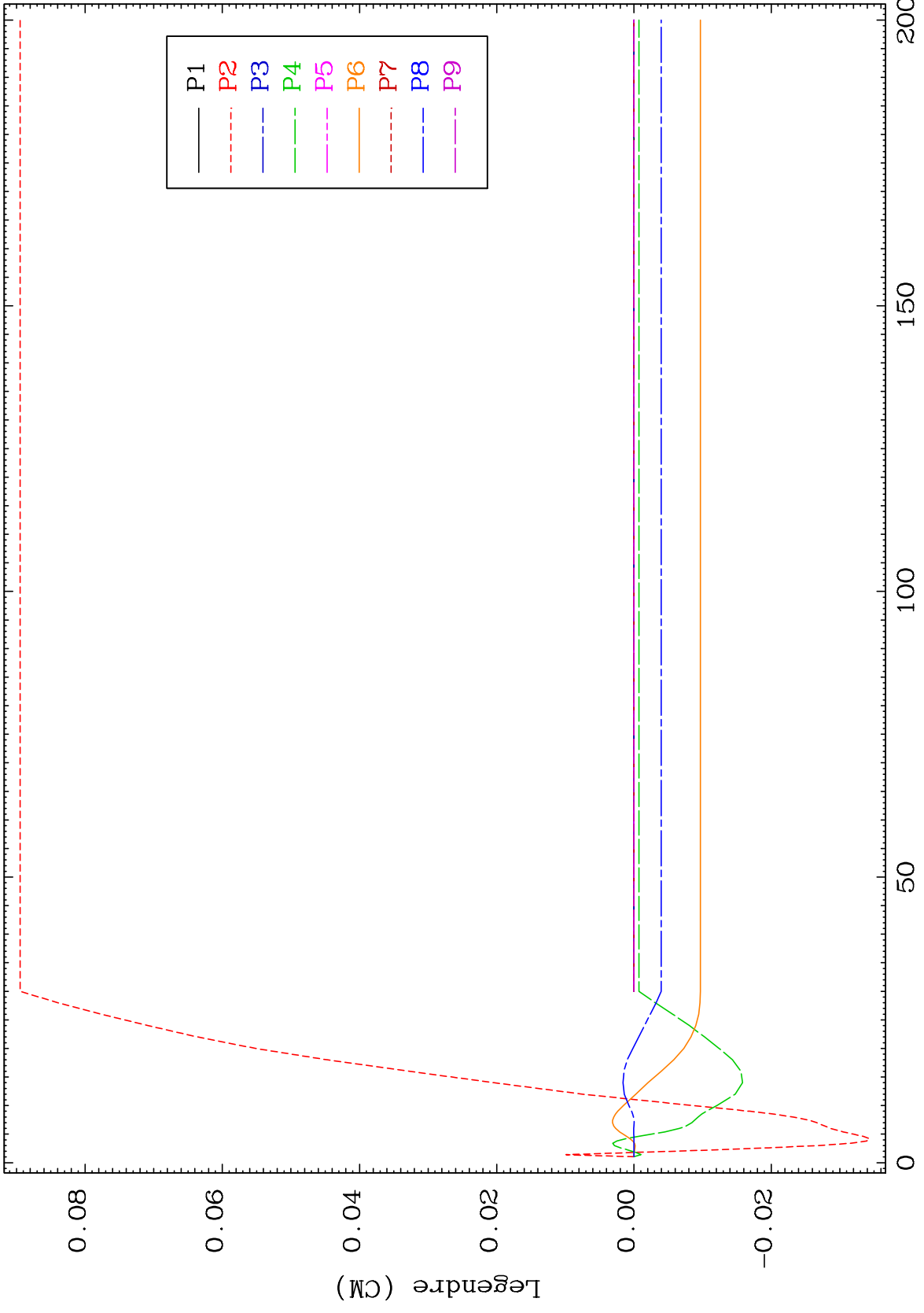


92 72-Hf-181

MAT 7246

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

72-Hf-181



93

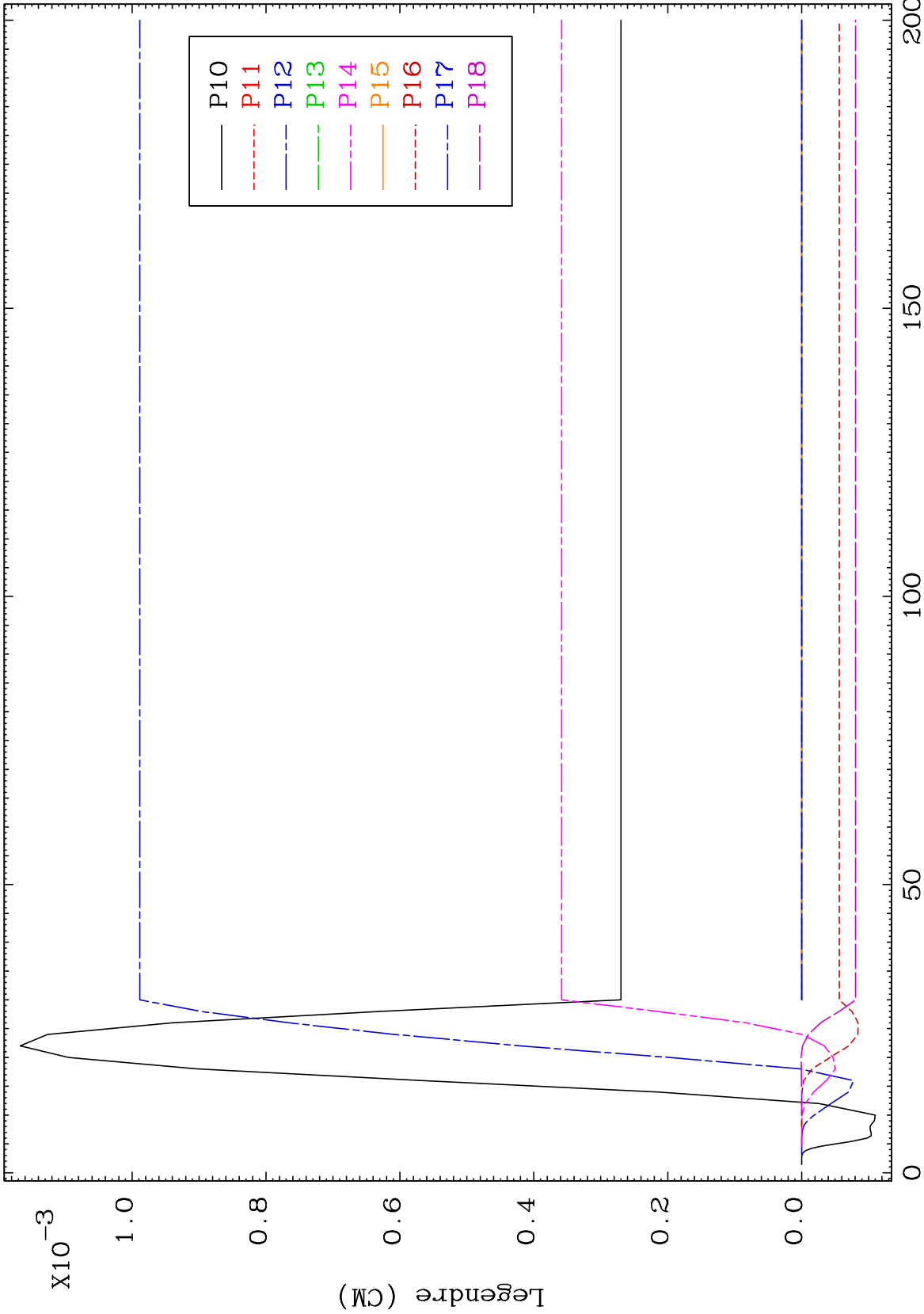
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

72-Hf-181



94

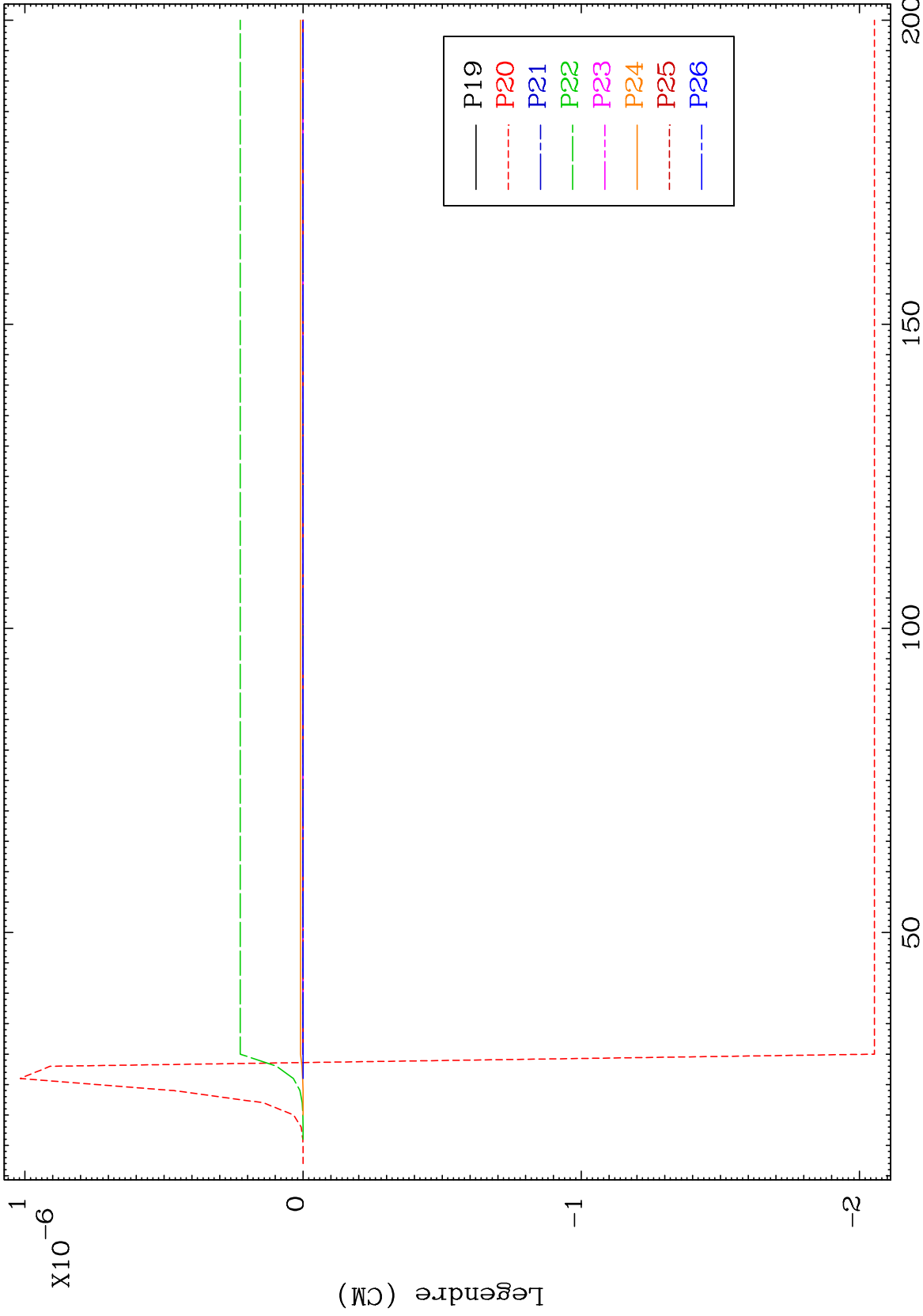
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

72-Hf-181



95

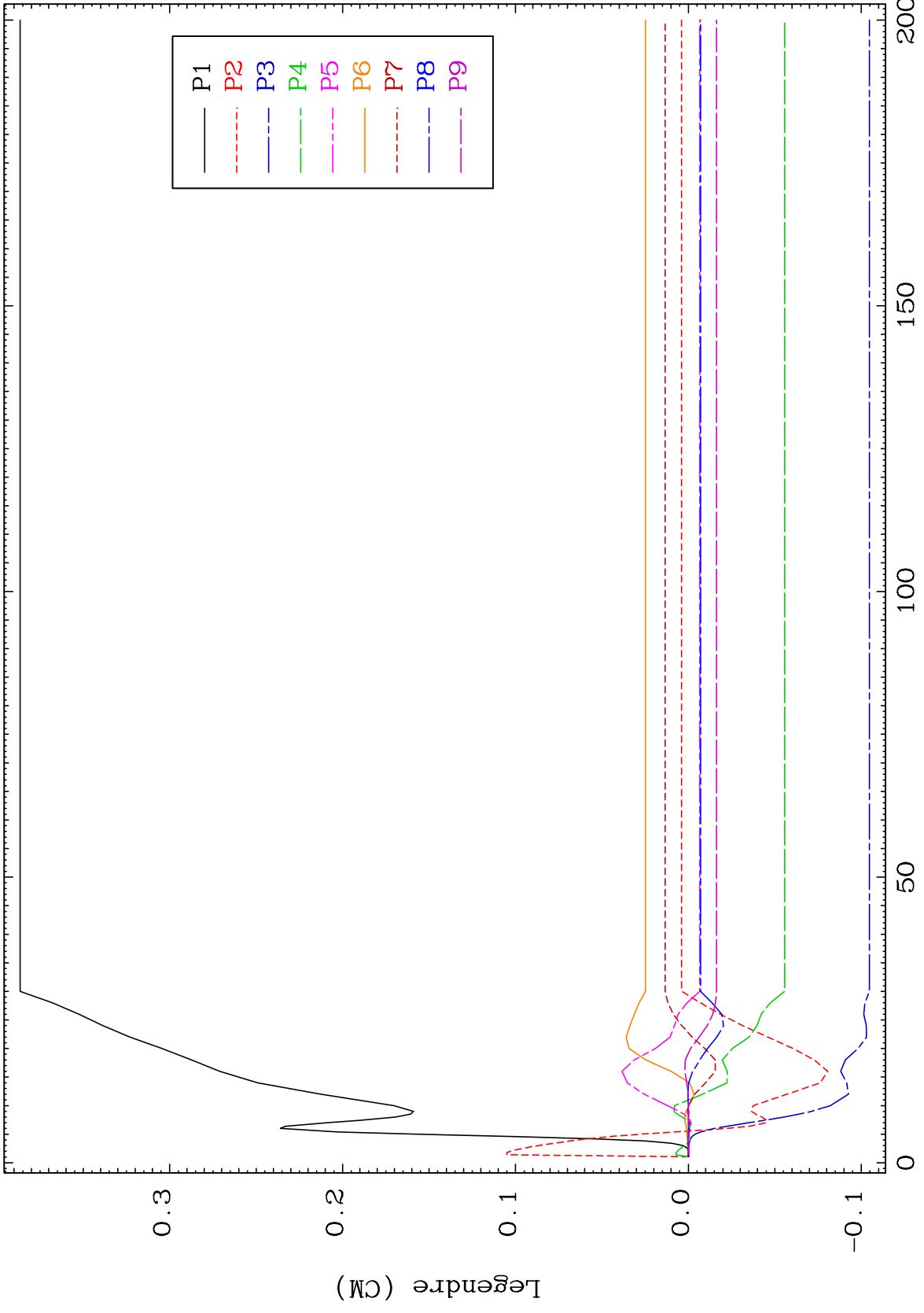
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

72-Hf-181



96

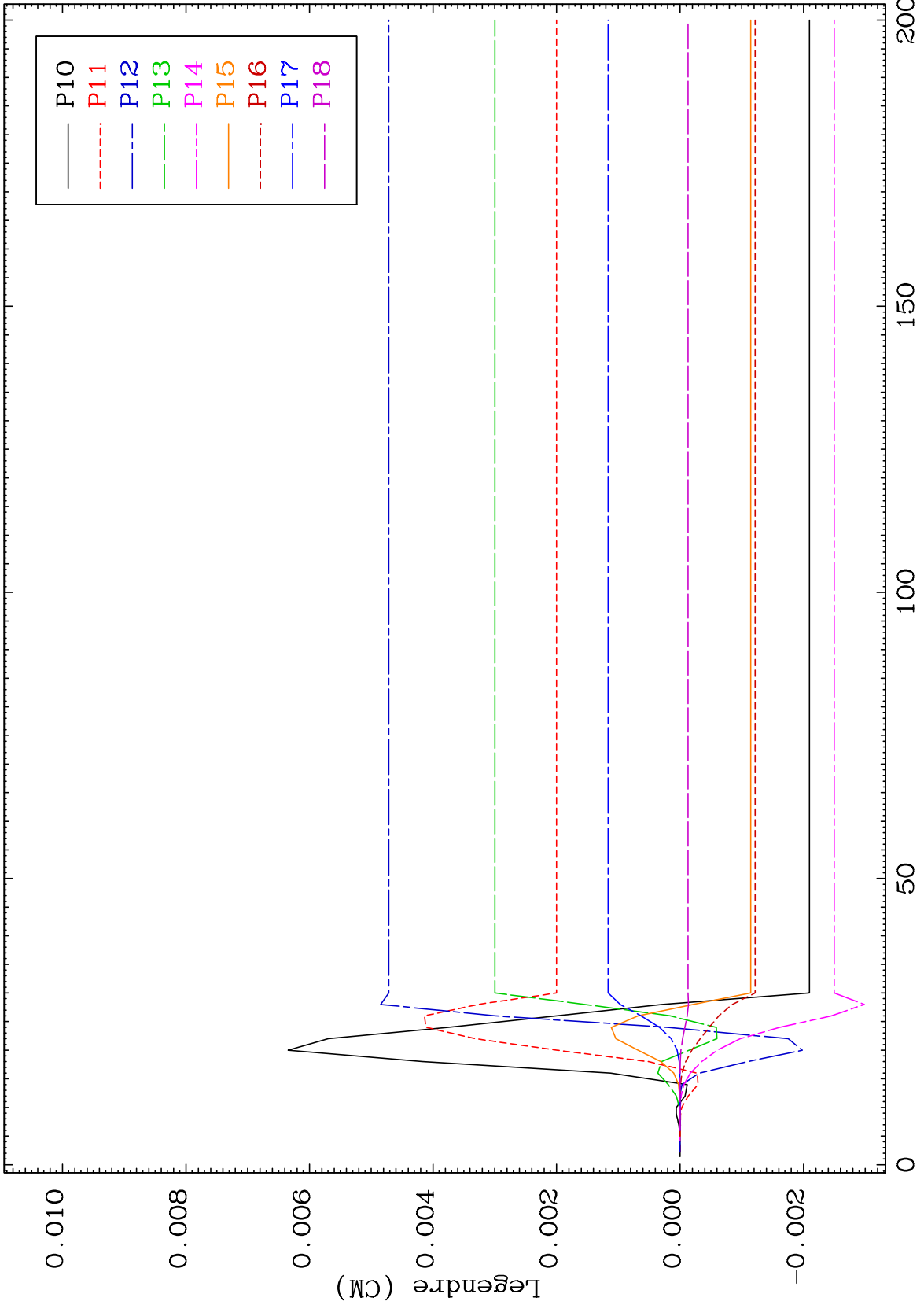
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

72-Hf-181



97

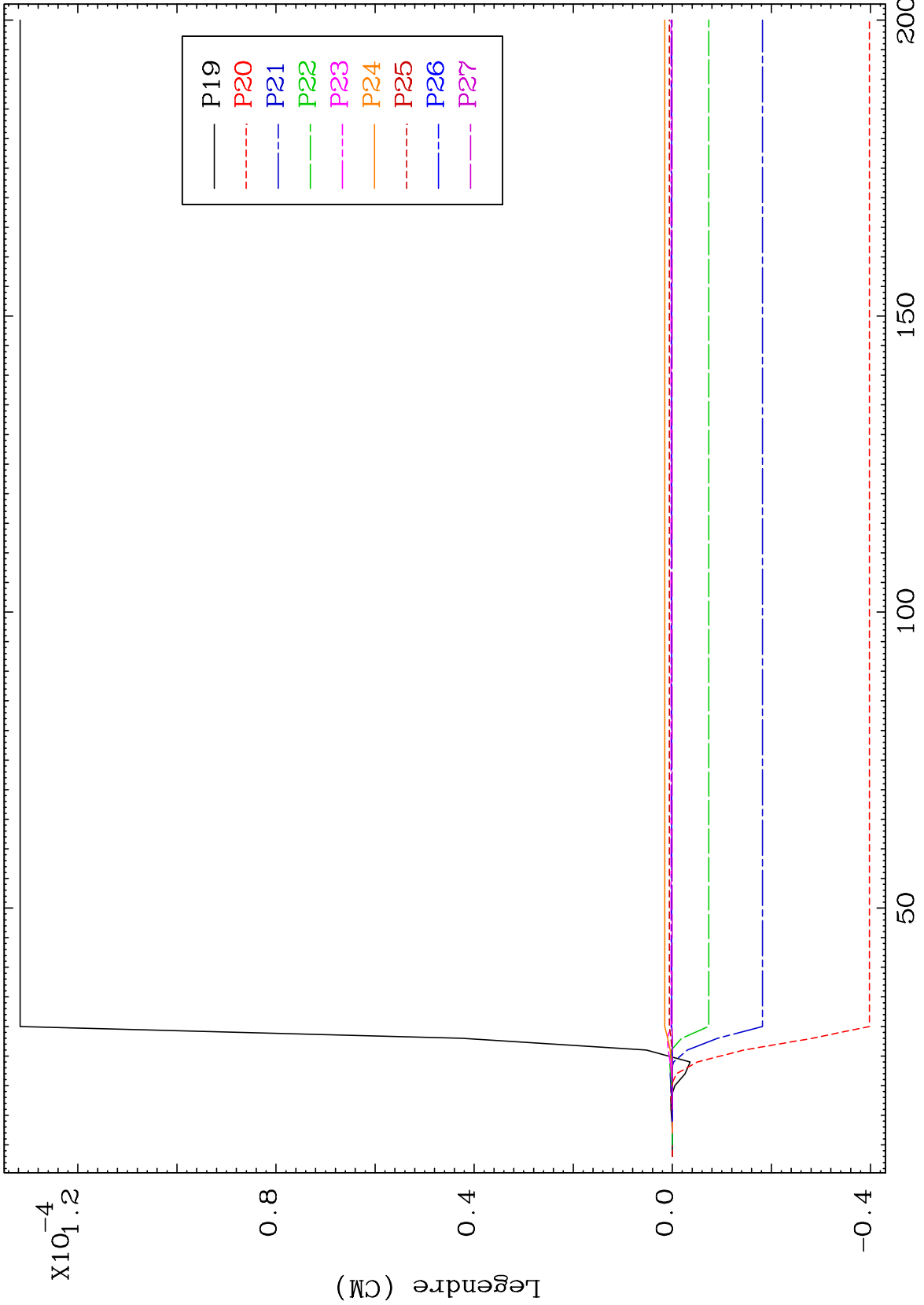
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

72-Hf-181



98

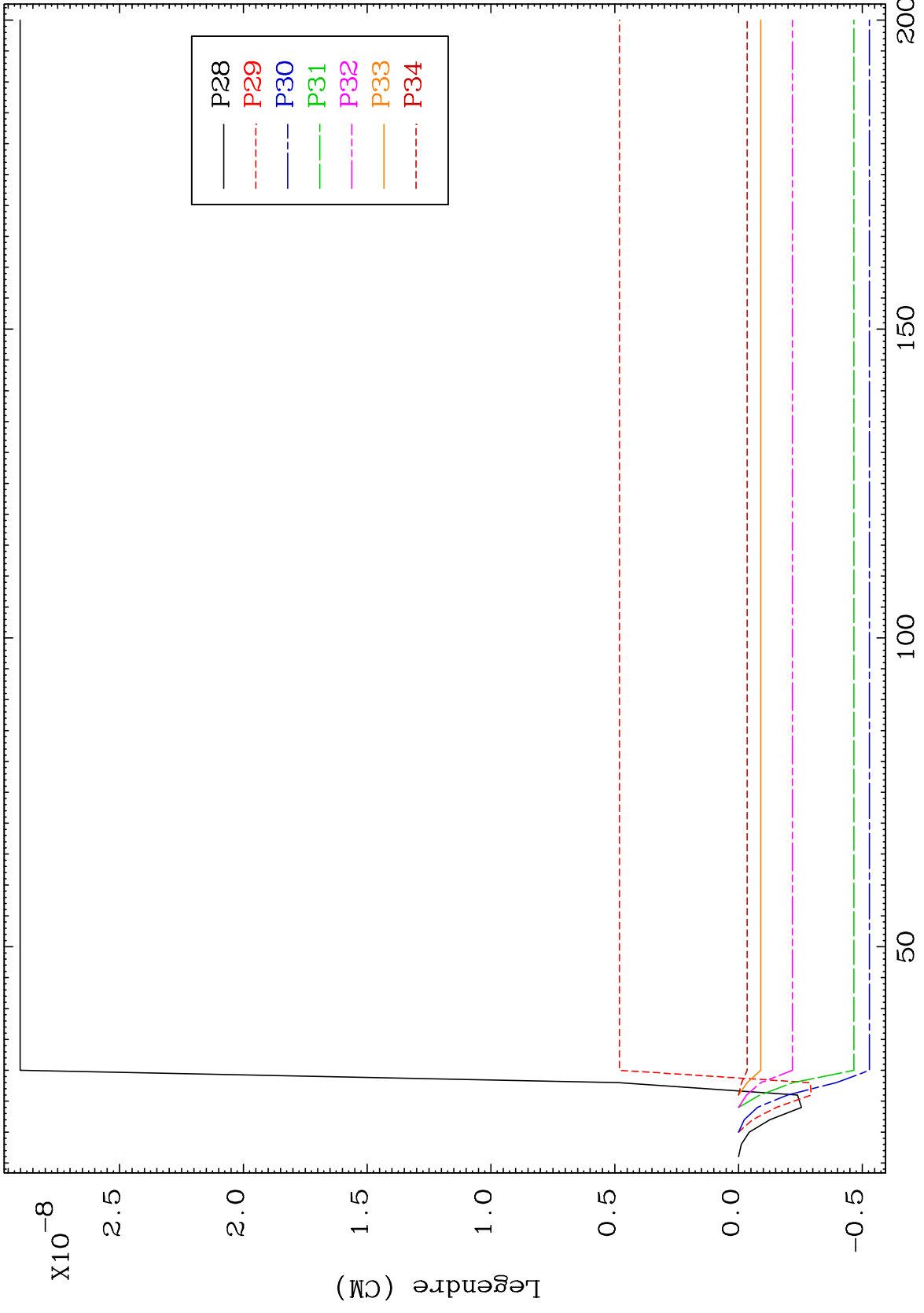
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

72-Hf-181



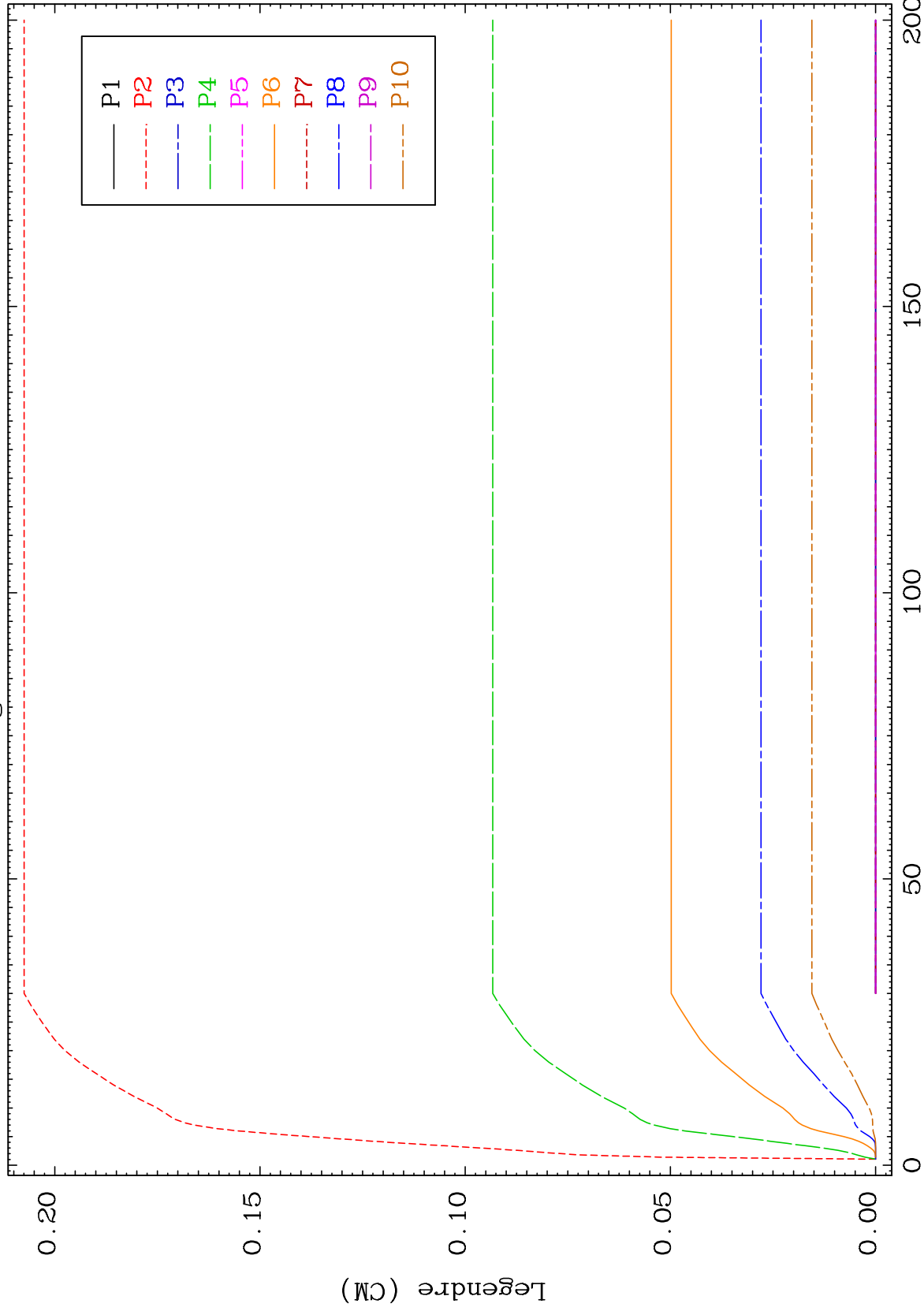
99

72-Hf-181

MAT 7246

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

72-Hf-181



72-Hf-181

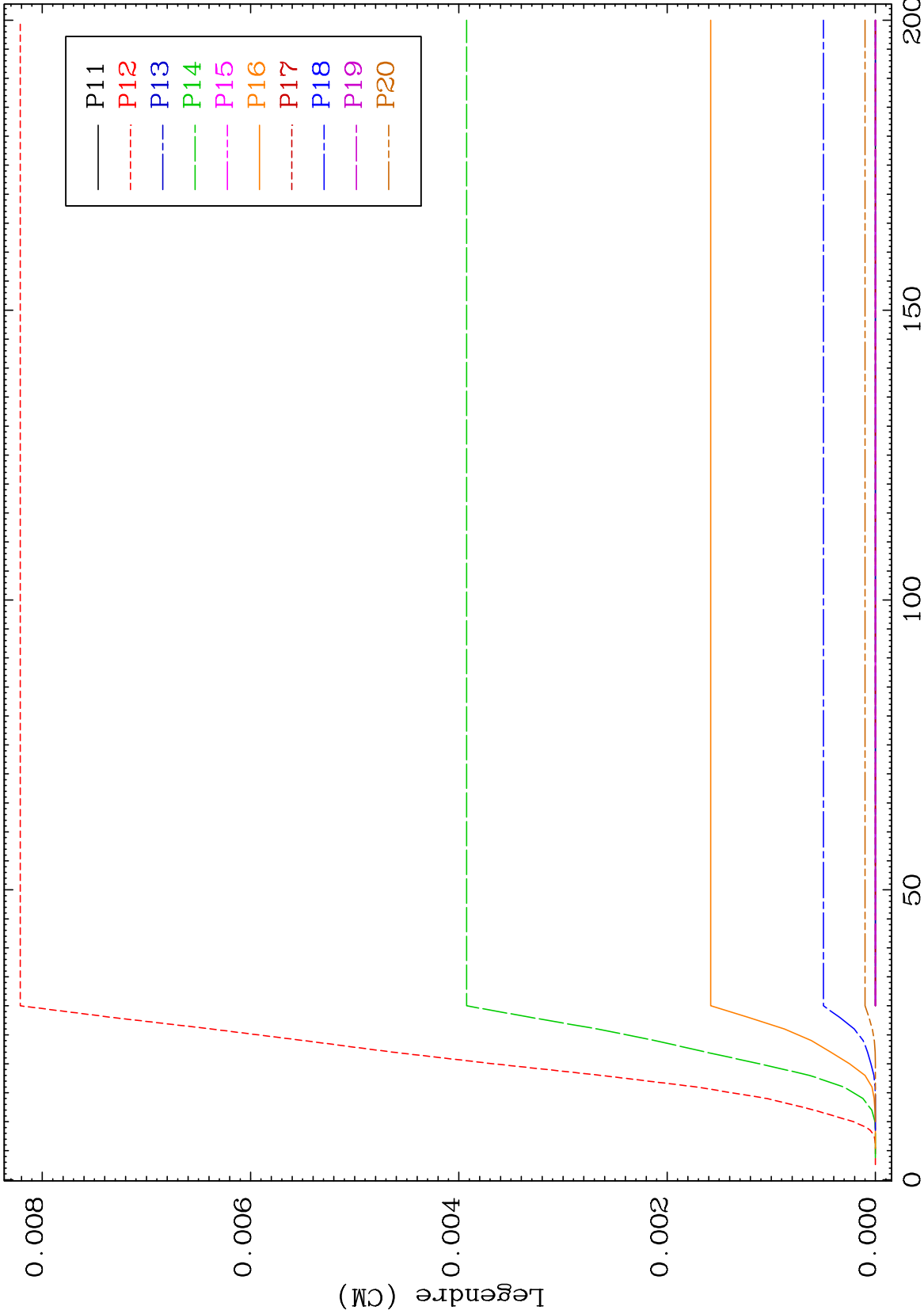
Incident Energy (MeV)

100

MAT 7246

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

72-Hf-181

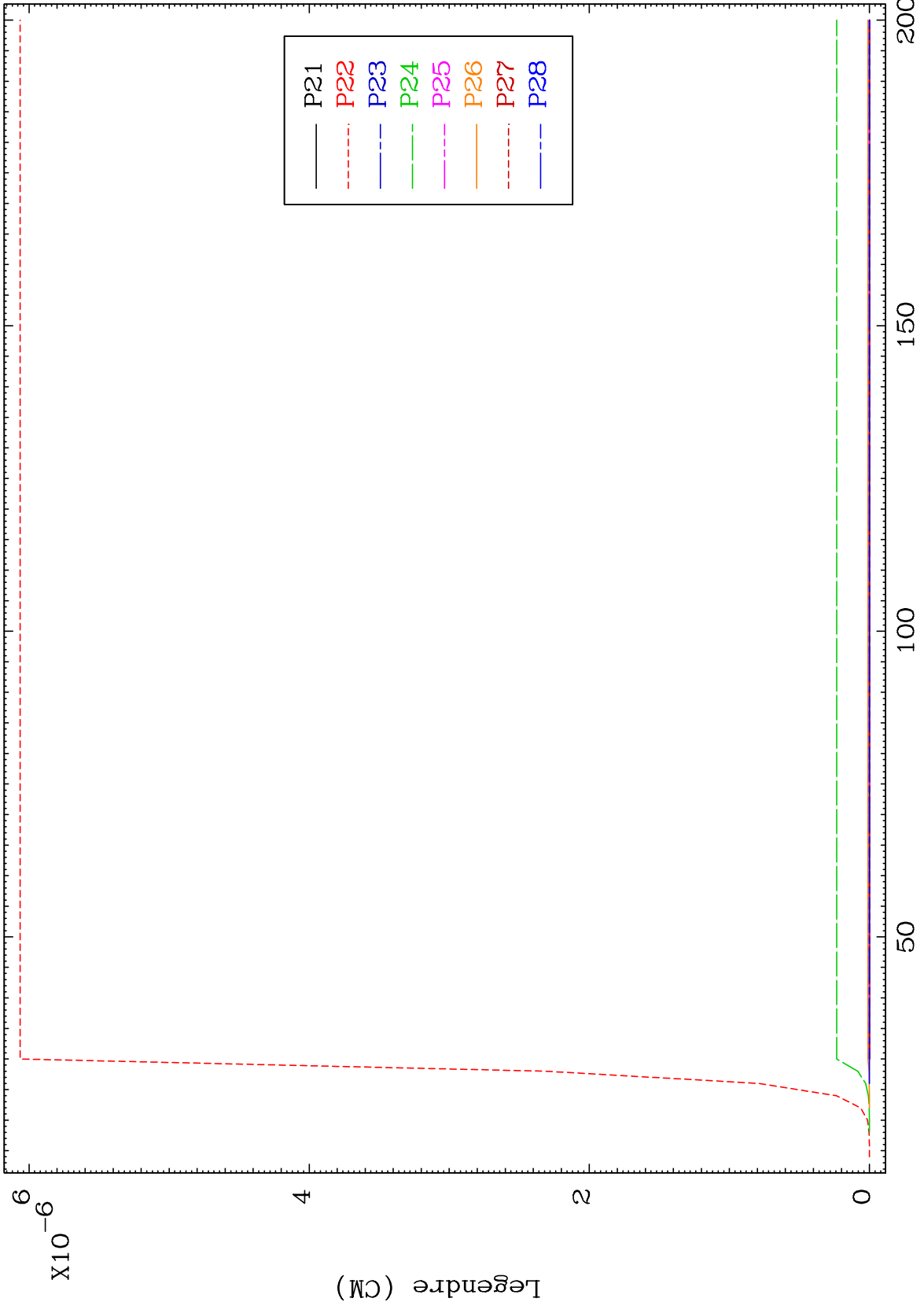


101

Incident Energy (MeV)

72-Hf-181

MAT 7246 MT= 76 (n,n') Level Legendre Coefficients 72-Hf-181

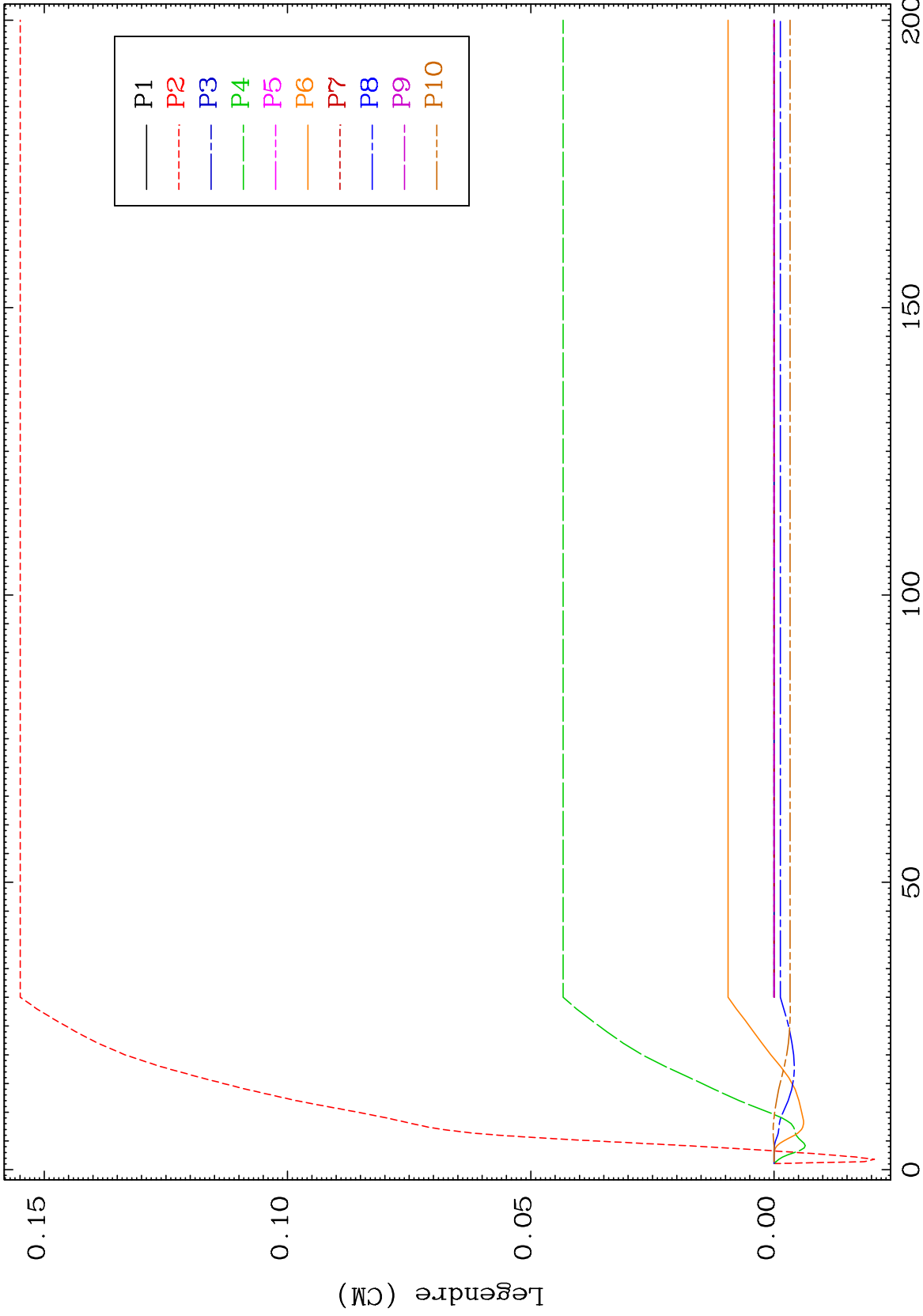


72-Hf-181

MAT 7246

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

72-Hf-181



72-Hf-181

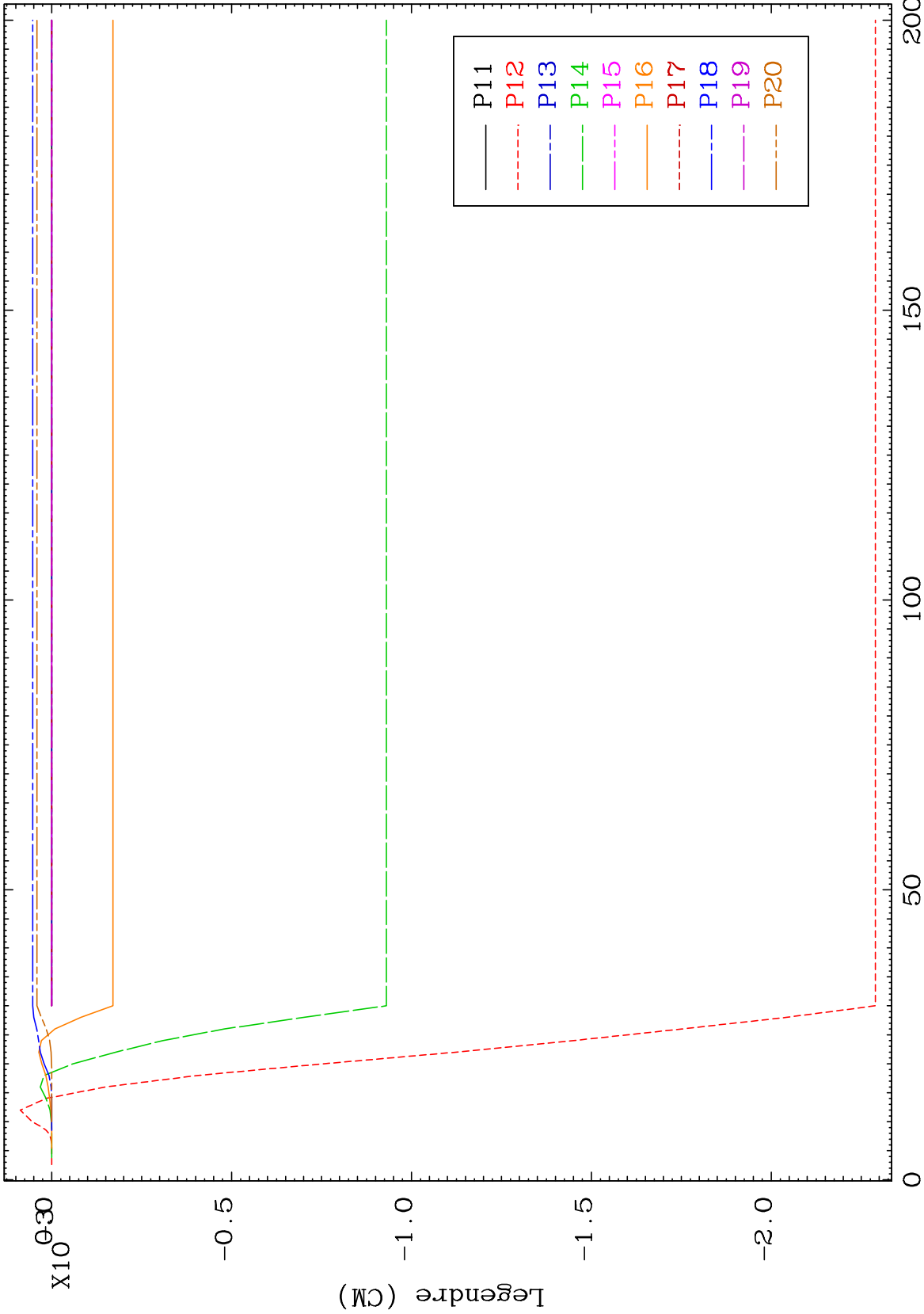
Incident Energy (MeV)

103

MAT 7246

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

72-Hf-181

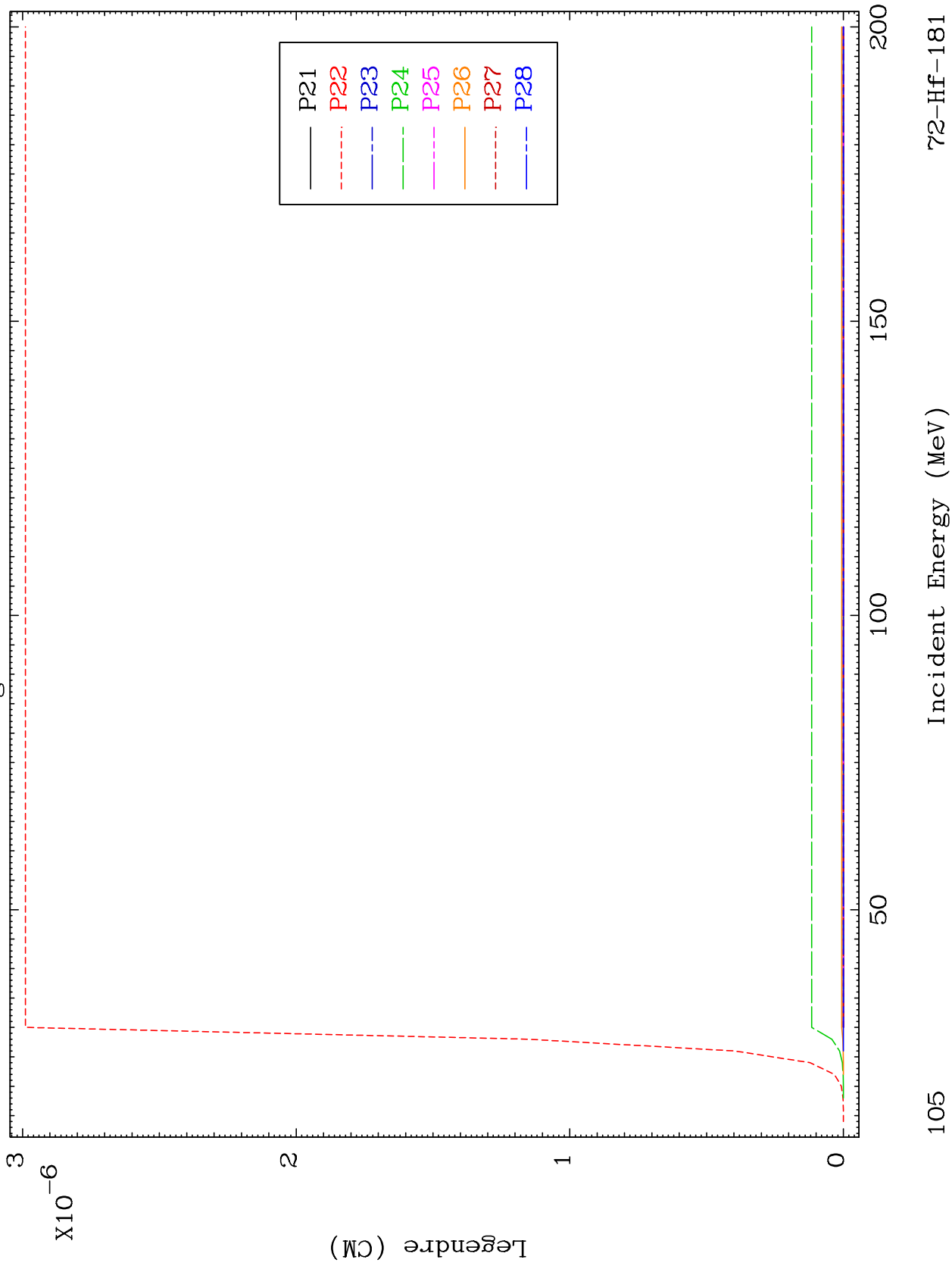


104

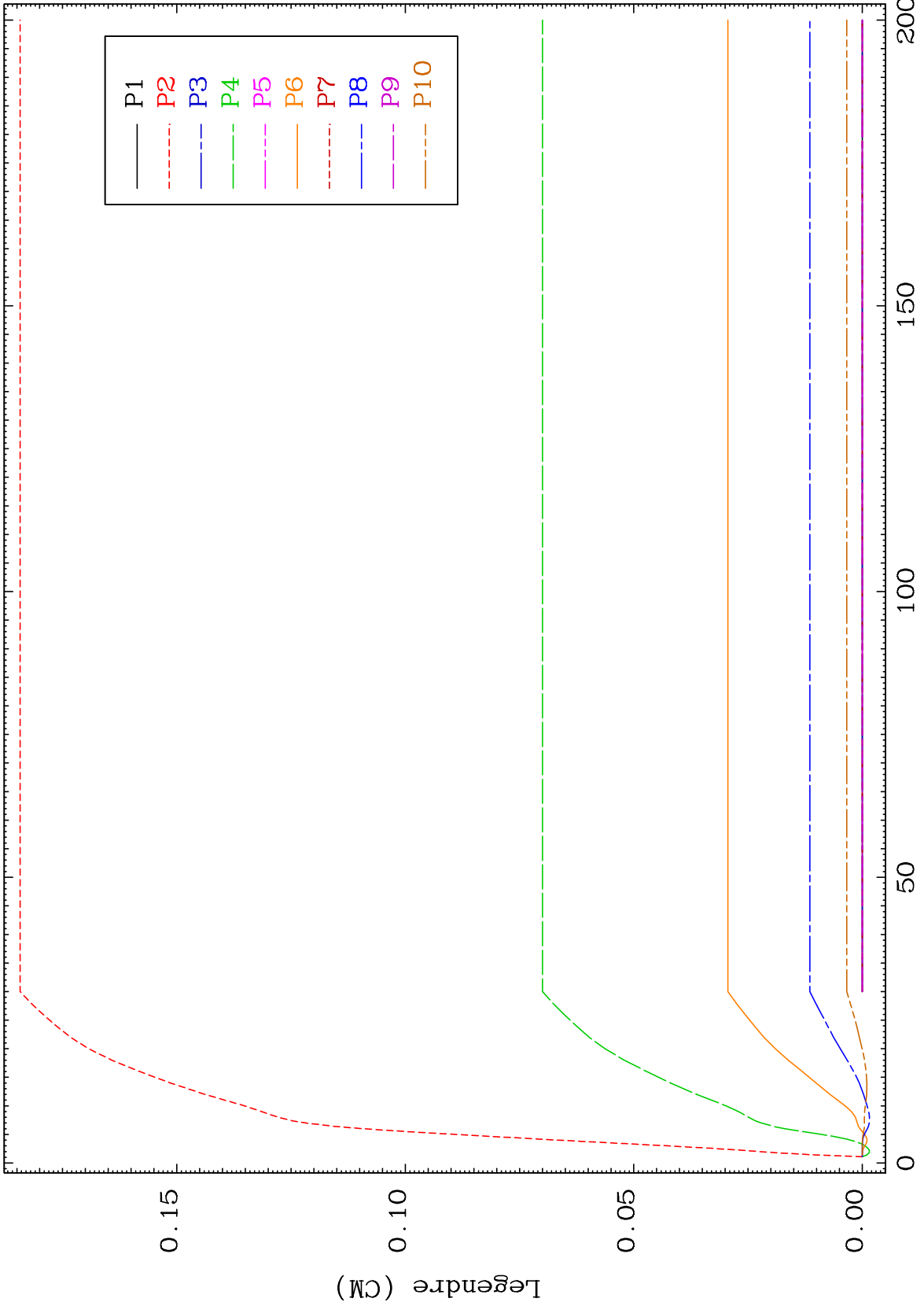
Incident Energy (MeV)

72-Hf-181

MAT 7246 MT= 77 (n,n') Level Legendre Coefficients 72-Hf-181



MAT 7246 MT= 78 (n,n') Level Legendre Coefficients 72-Hf-181

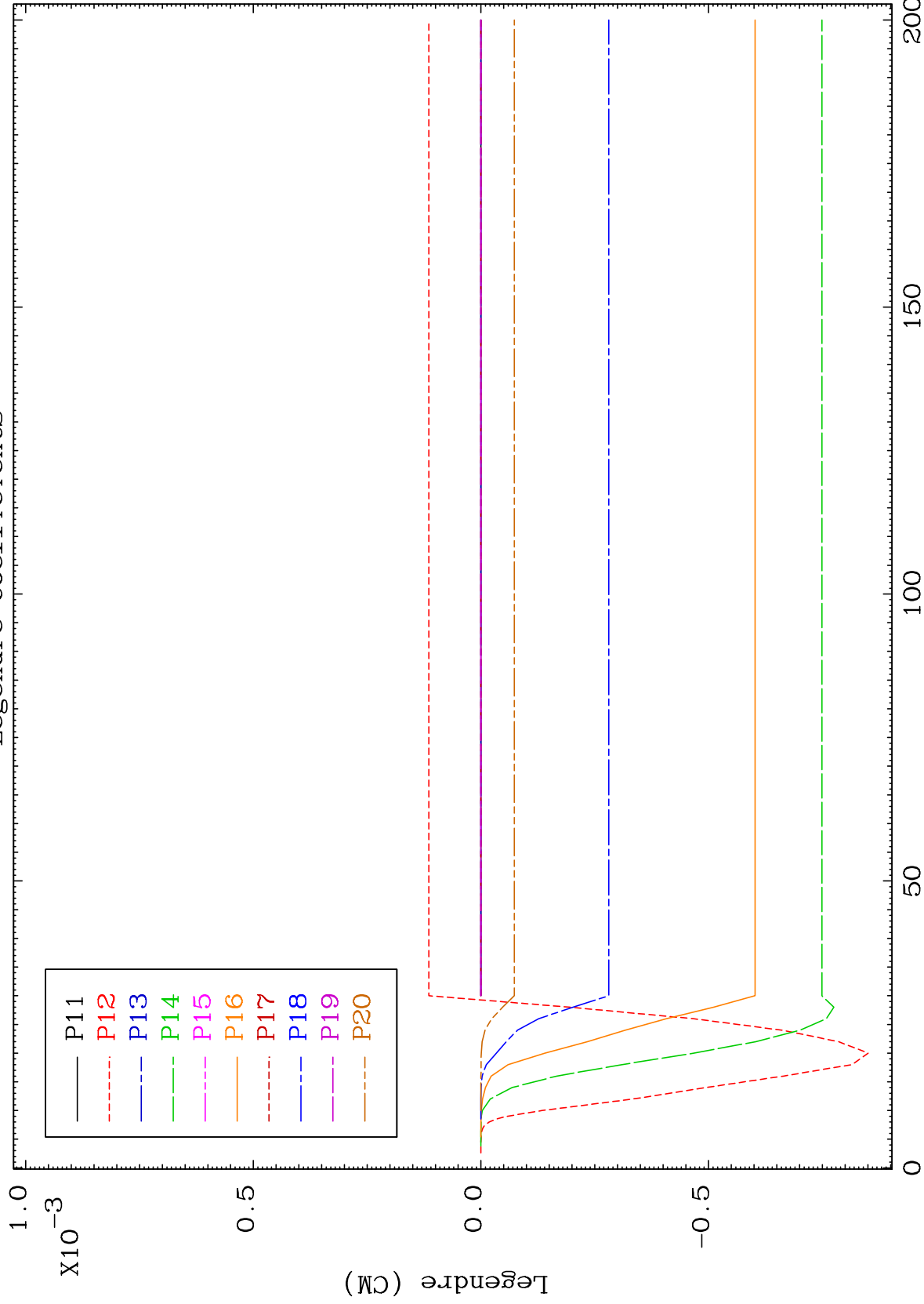


106 Incident Energy (MeV) 72-Hf-181

MAT 7246

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

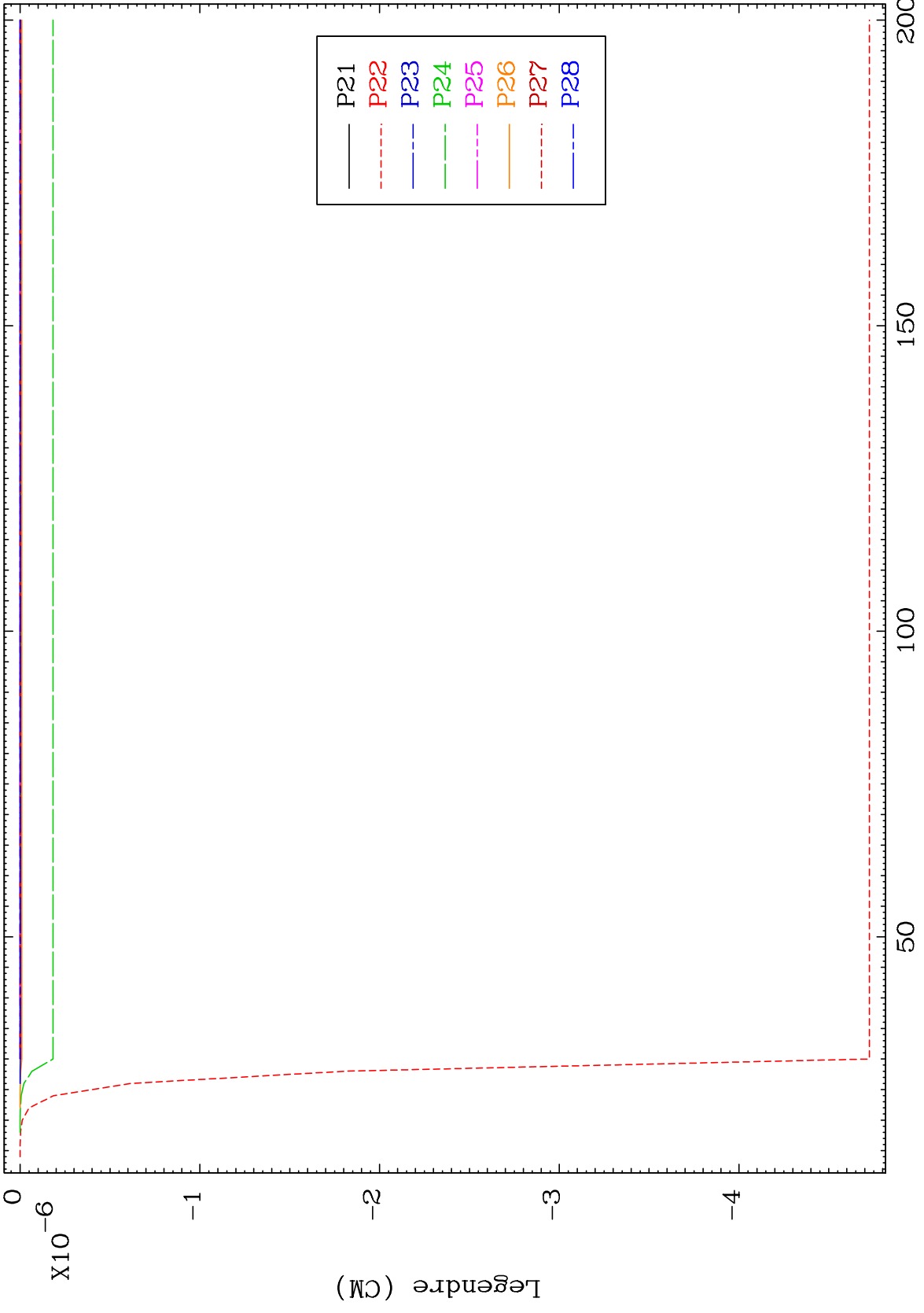
72-Hf-181



107

72-Hf-181

MAT 7246 MT= 78 (n,n') Level Legendre Coefficients 72-Hf-181

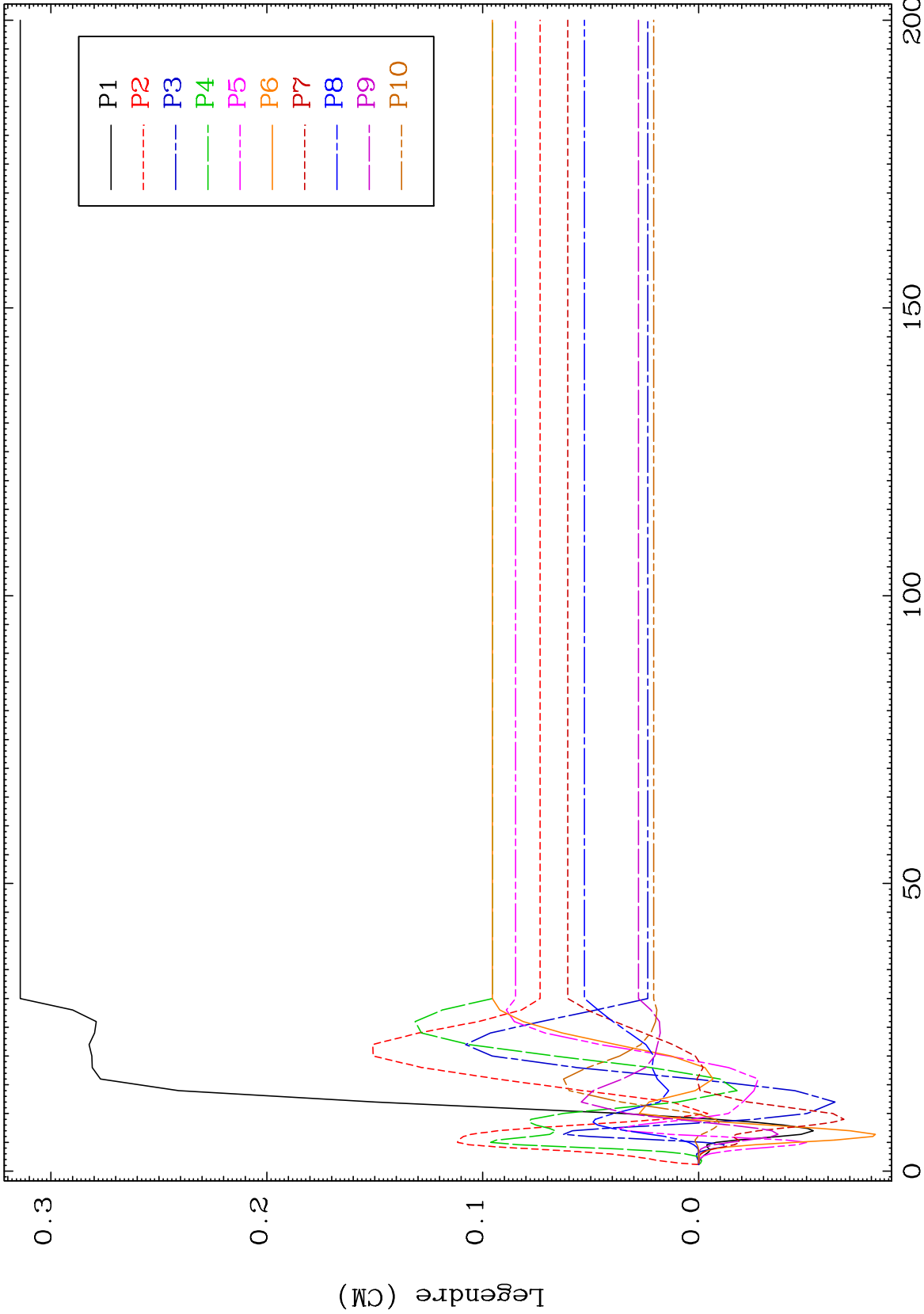


108 72-Hf-181

MAT 7246

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

72-Hf-181



109

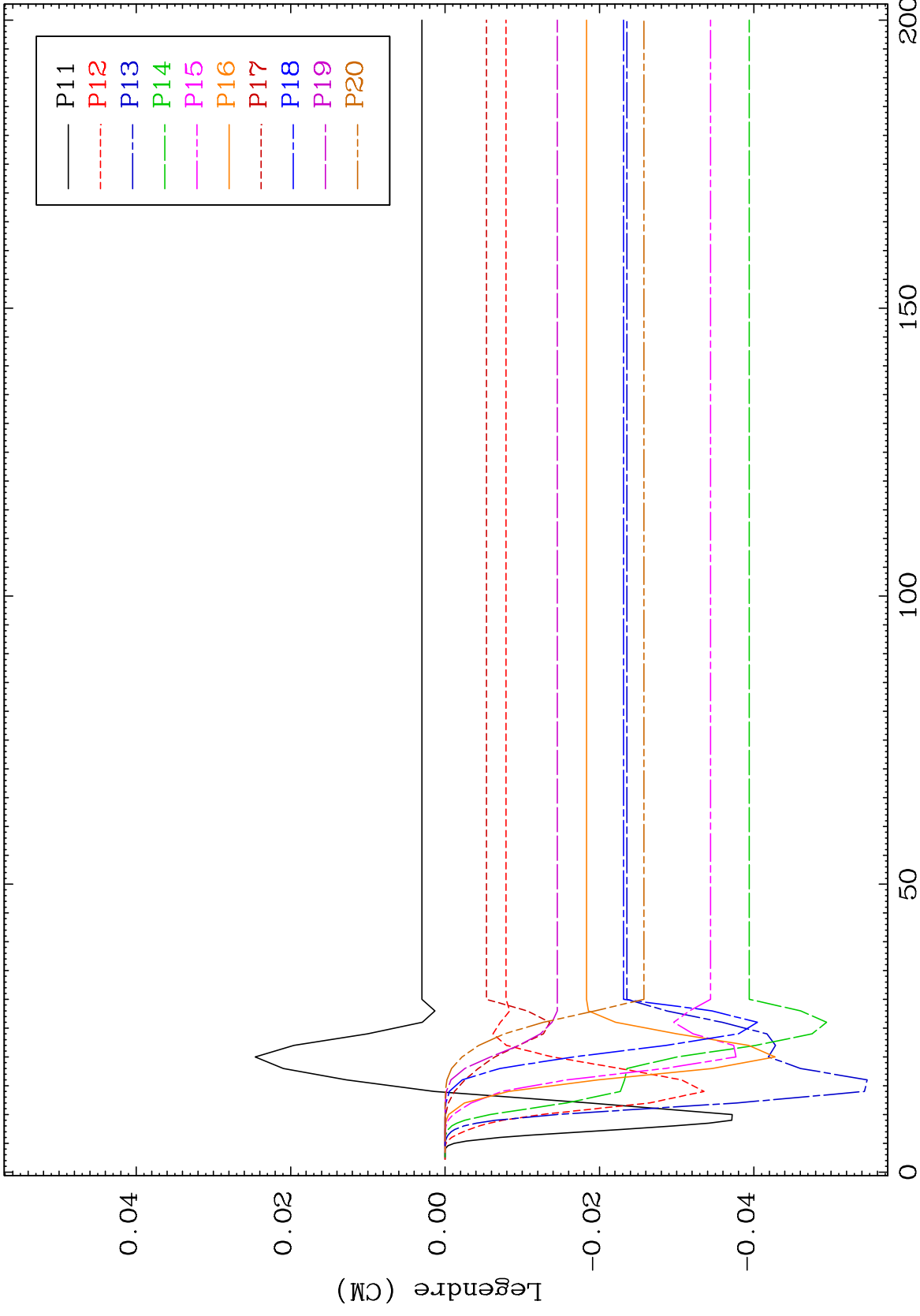
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

72-Hf-181

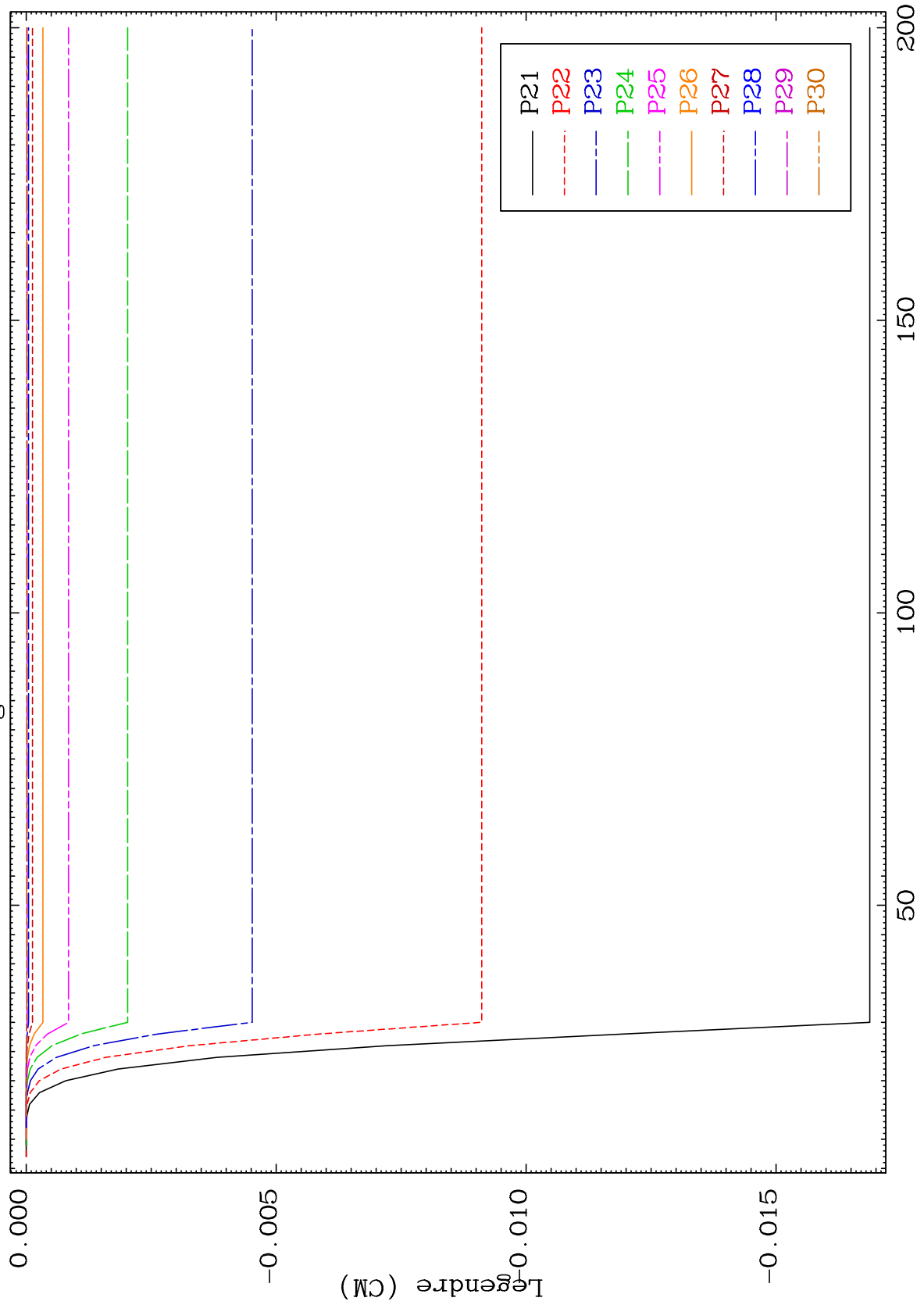


72-Hf-181

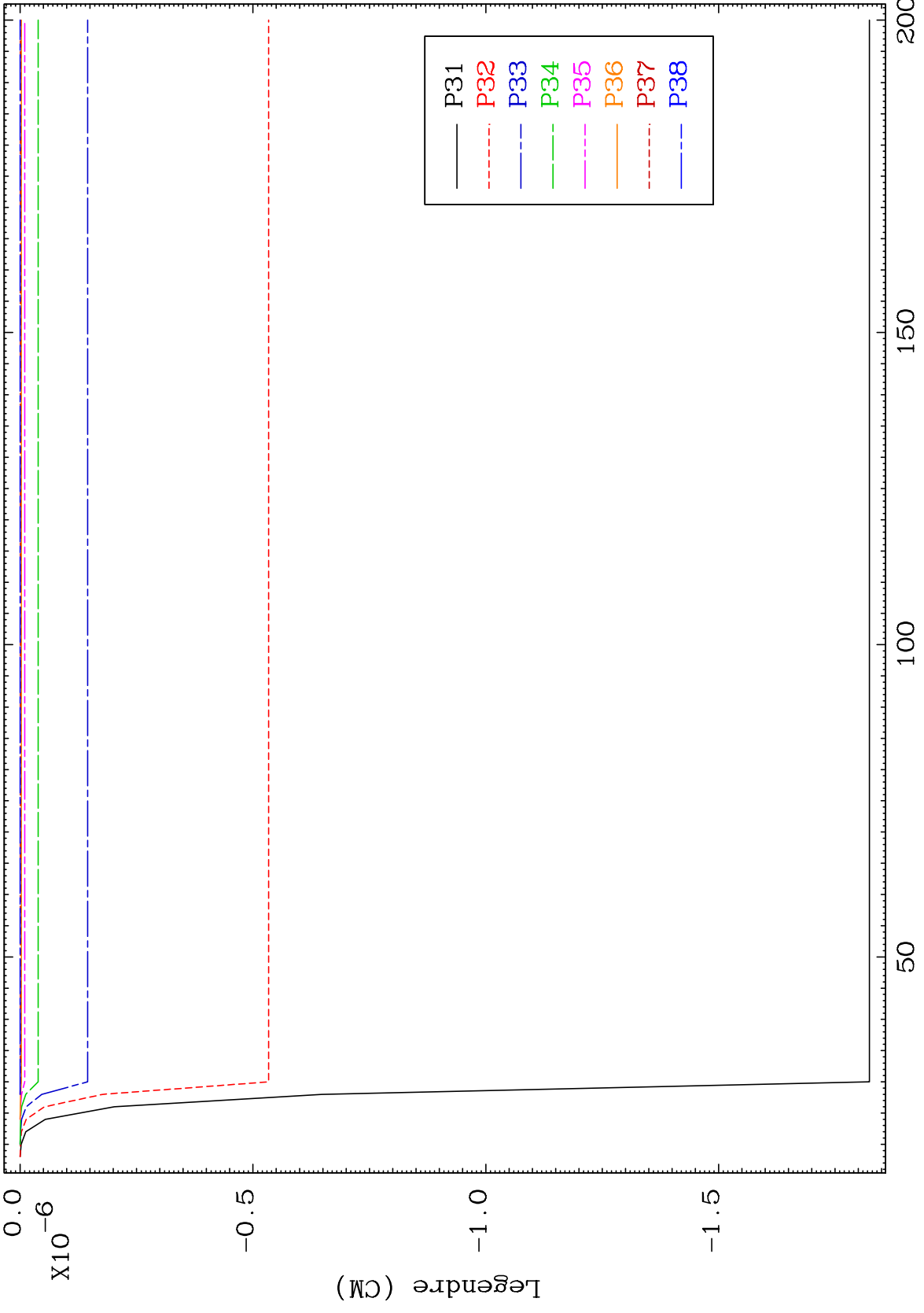
Incident Energy (MeV)

110

MAT 7246 MT= 79 (n,n') Level Legendre Coefficients 72-Hf-181



MAT 7246 MT= 79 (n,n') Level Legendre Coefficients 72-Hf-181



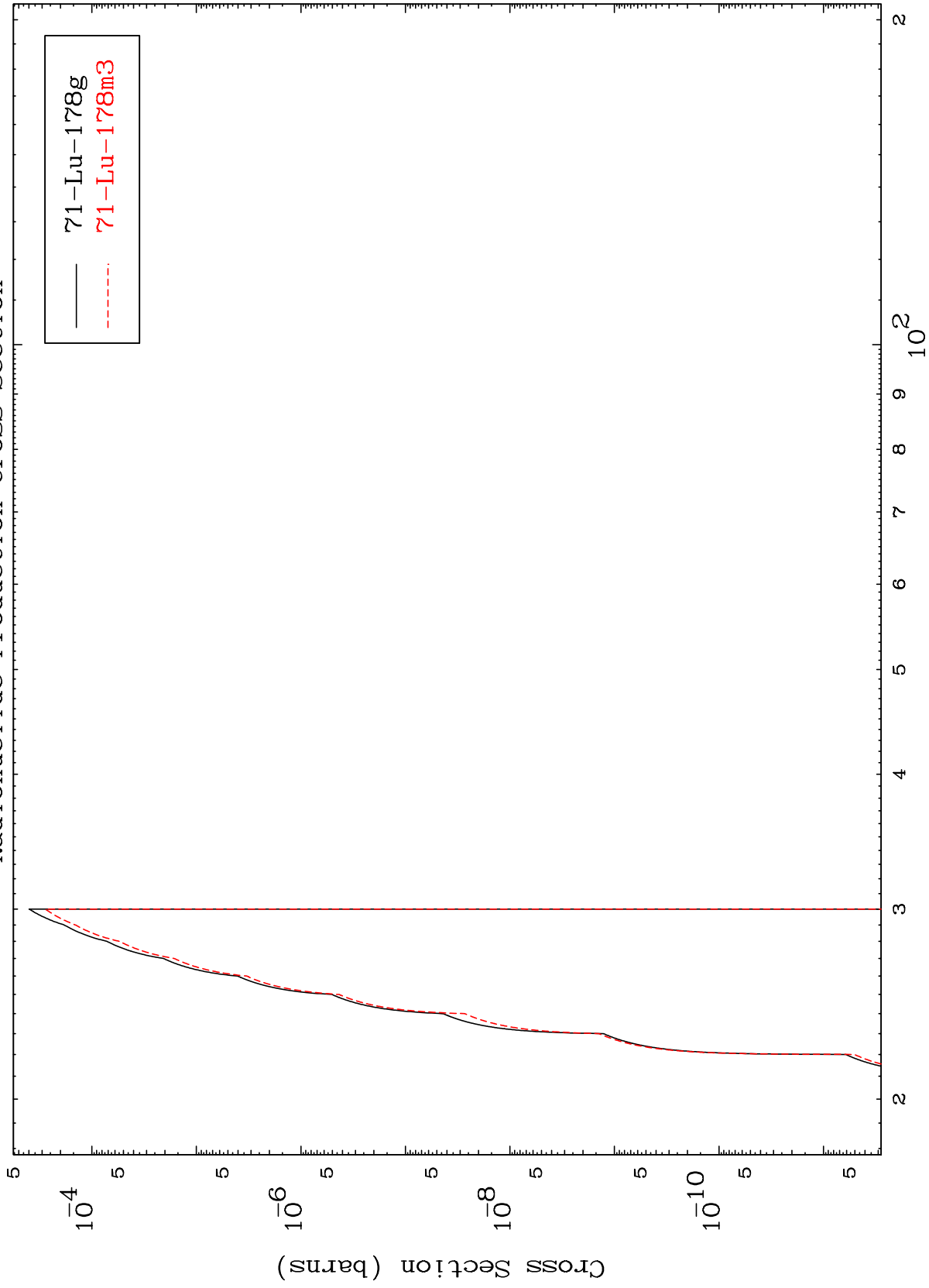
112 72-Hf-181

MAT 7246

(n,2n) d

72-Hf-181

Radionuclide Production Cross Section



113

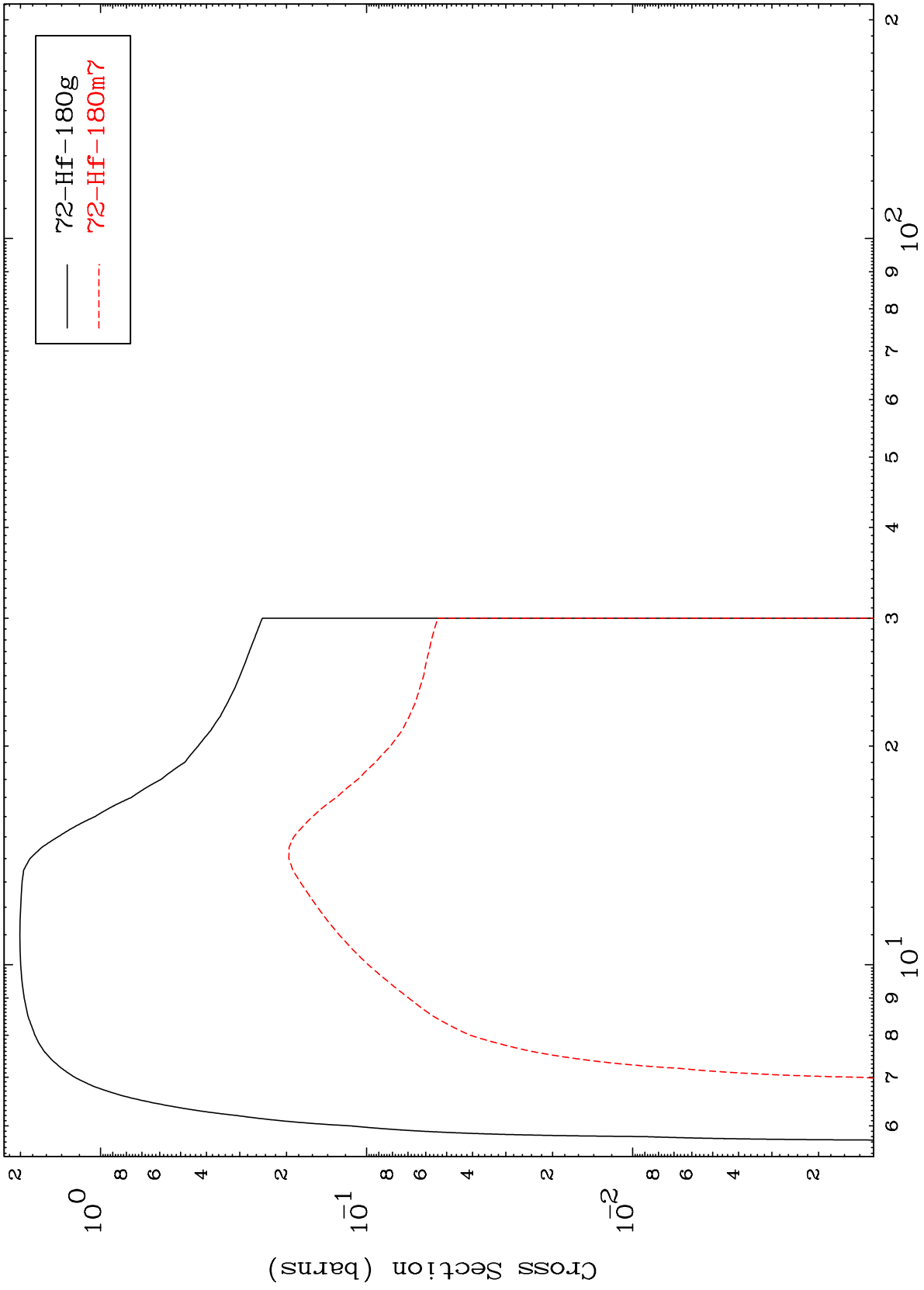
Incident Energy (MeV)

72-Hf-181

MAT 7246

72-Hf-181

(n,2n)
Radionuclide Production Cross Section



114

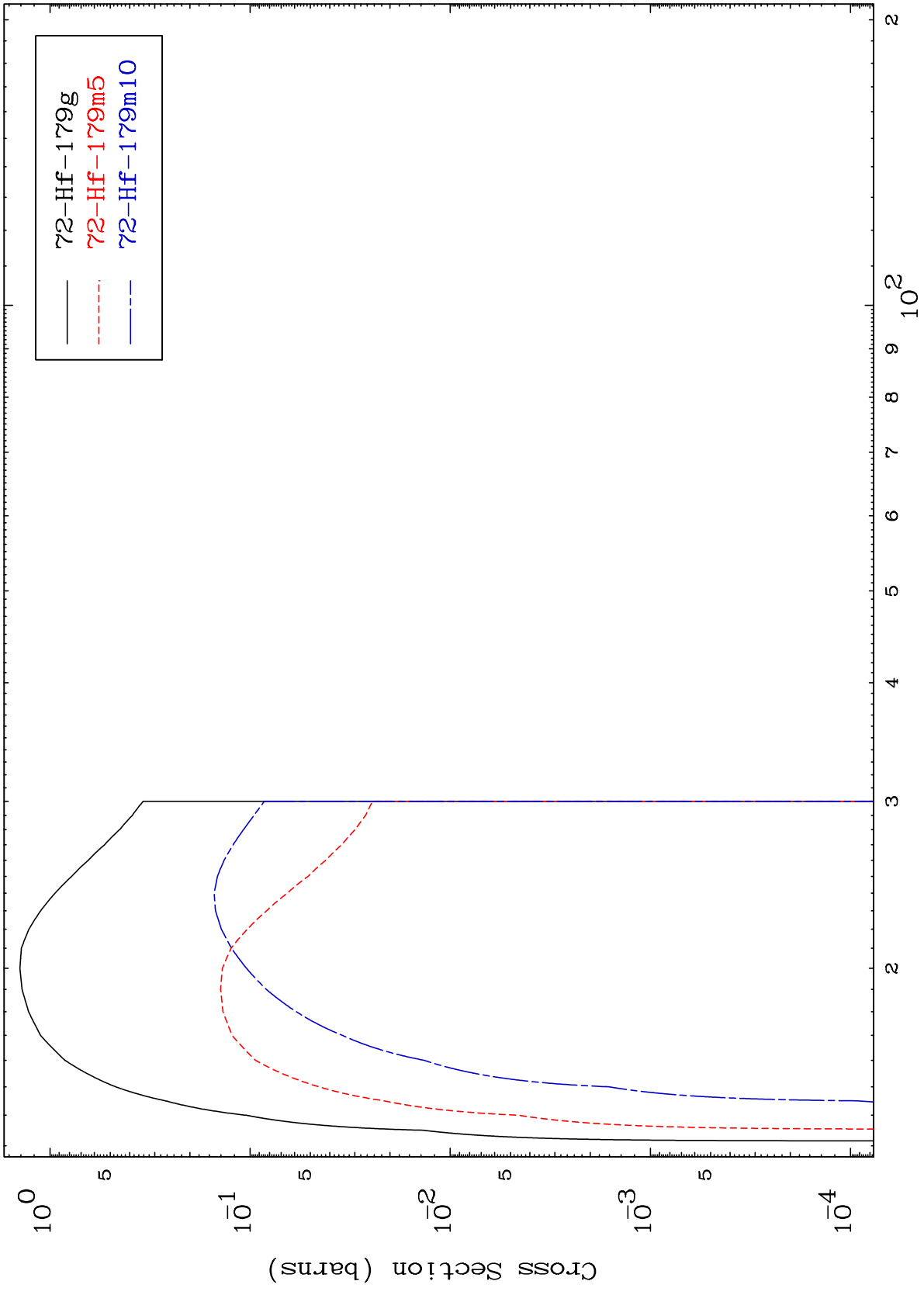
72-Hf-181

MAT 7246

(n,3n)

72-Hf-181

Radionuclide Production Cross Section



72-Hf-179g
72-Hf-179m5
72-Hf-179m10

115

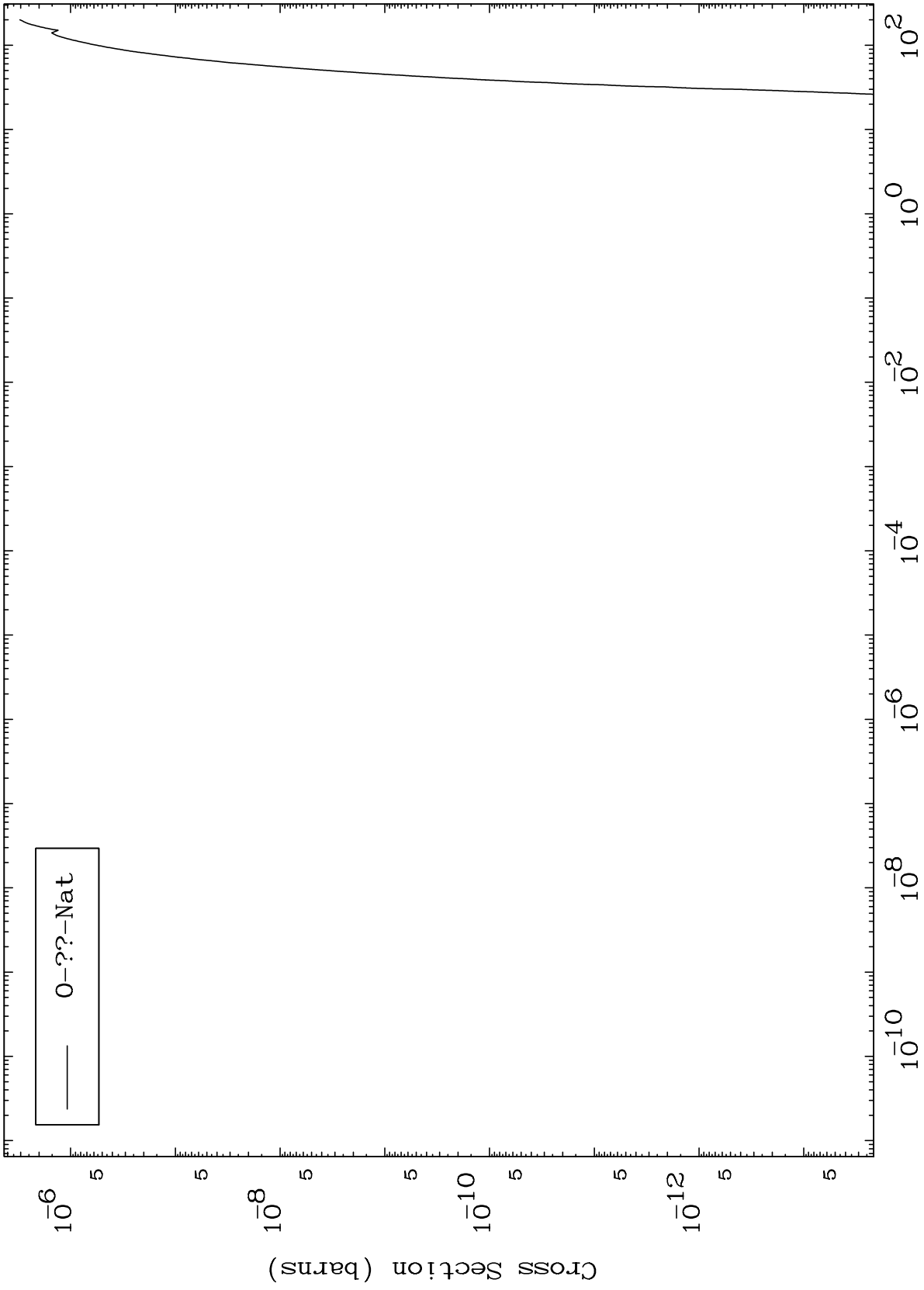
Incident Energy (MeV)

72-Hf-181

MAT 7246

Fission
Radionuclide Production Cross Section

72-Hf-181



116

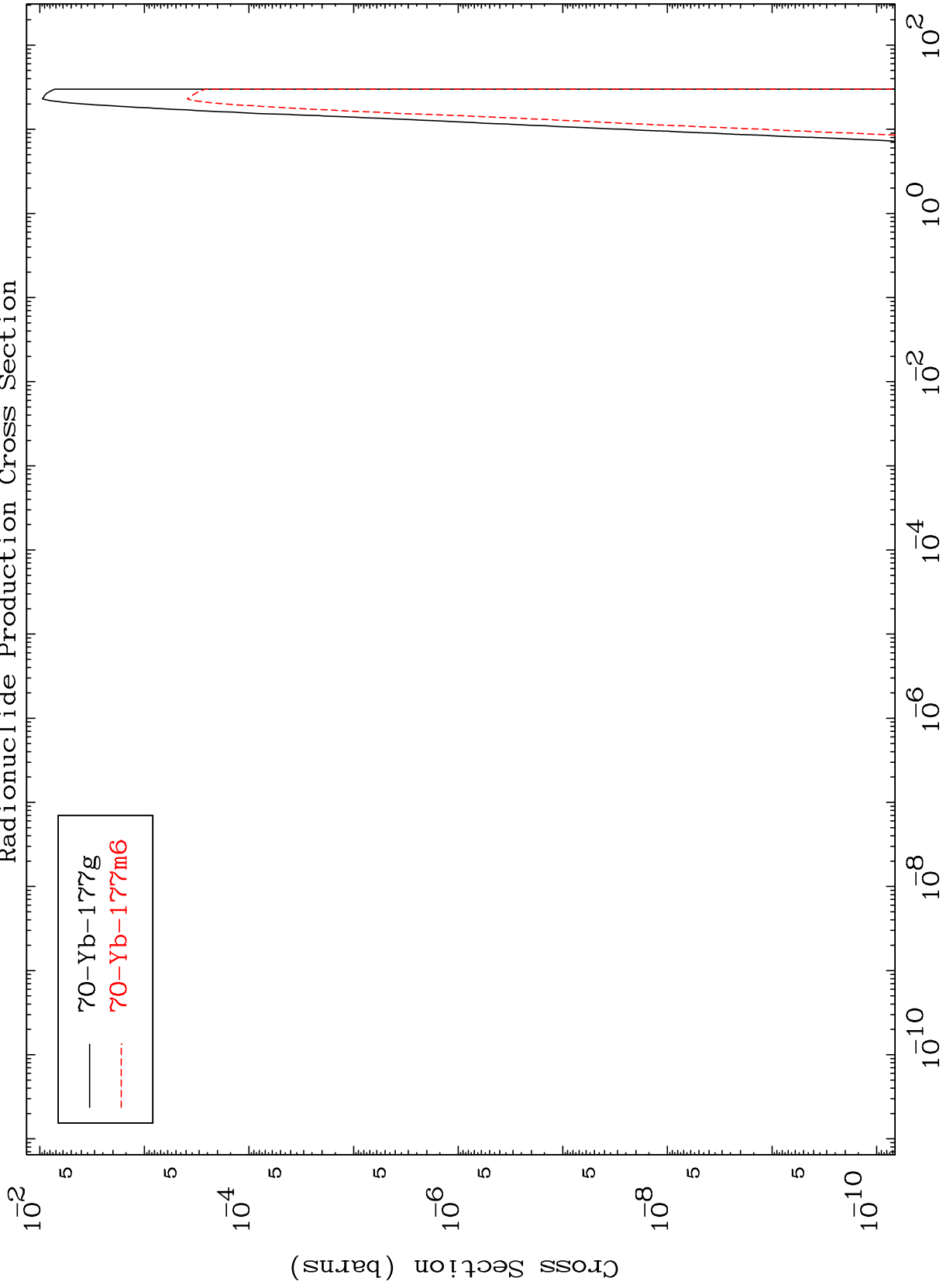
72-Hf-181

MAT 7246

(n,n') α

72-Hf-181

Radionuclide Production Cross Section



117

Incident Energy (MeV)

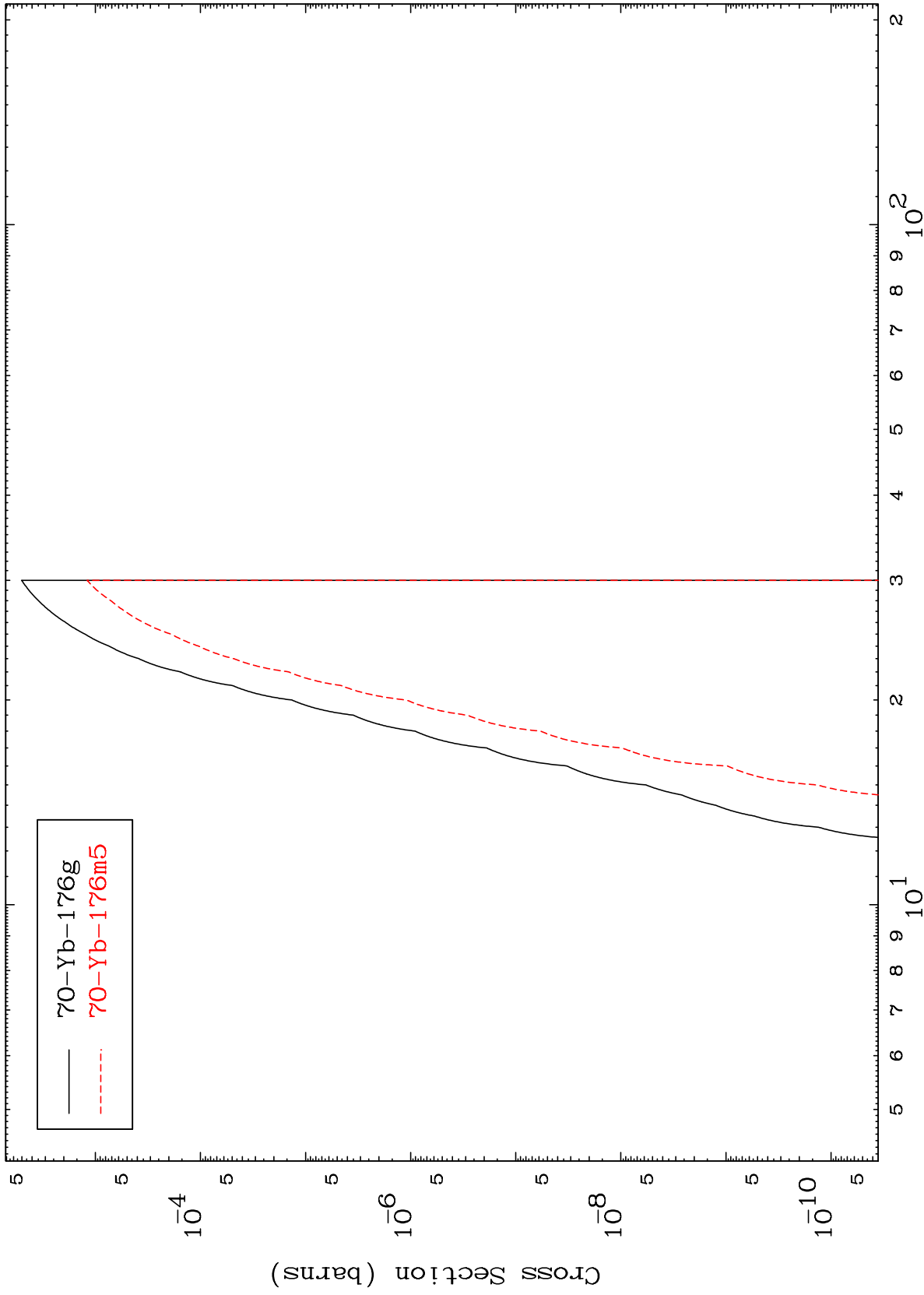
72-Hf-181

MAT 7246

$(n, 2n) \alpha$

$^{72}\text{Hf}-181$

Radionuclide Production Cross Section



118

Incident Energy (MeV)

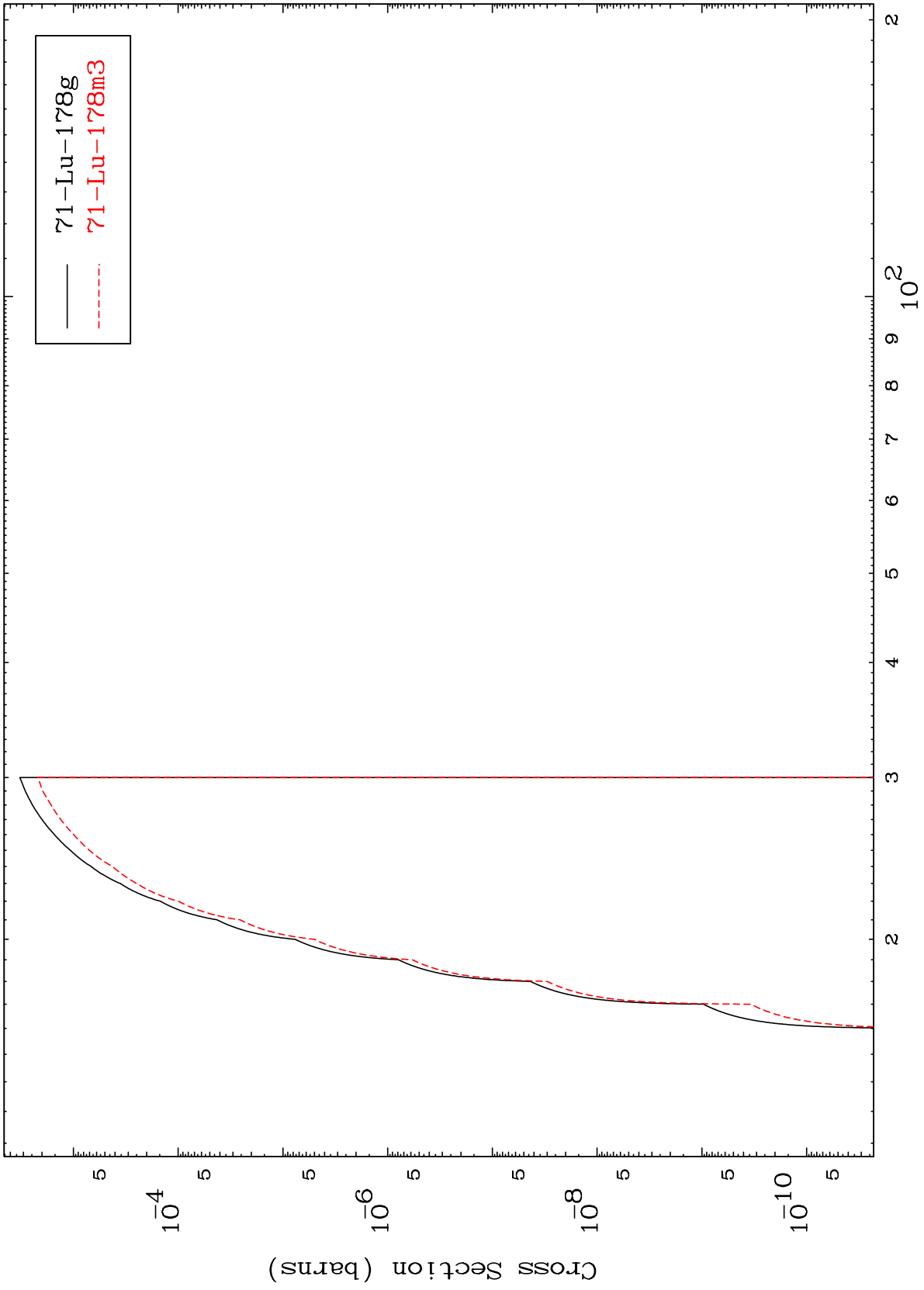
$^{72}\text{Hf}-181$

MAT 7246

(n,n') t

72-Hf-181

Radionuclide Production Cross Section



119

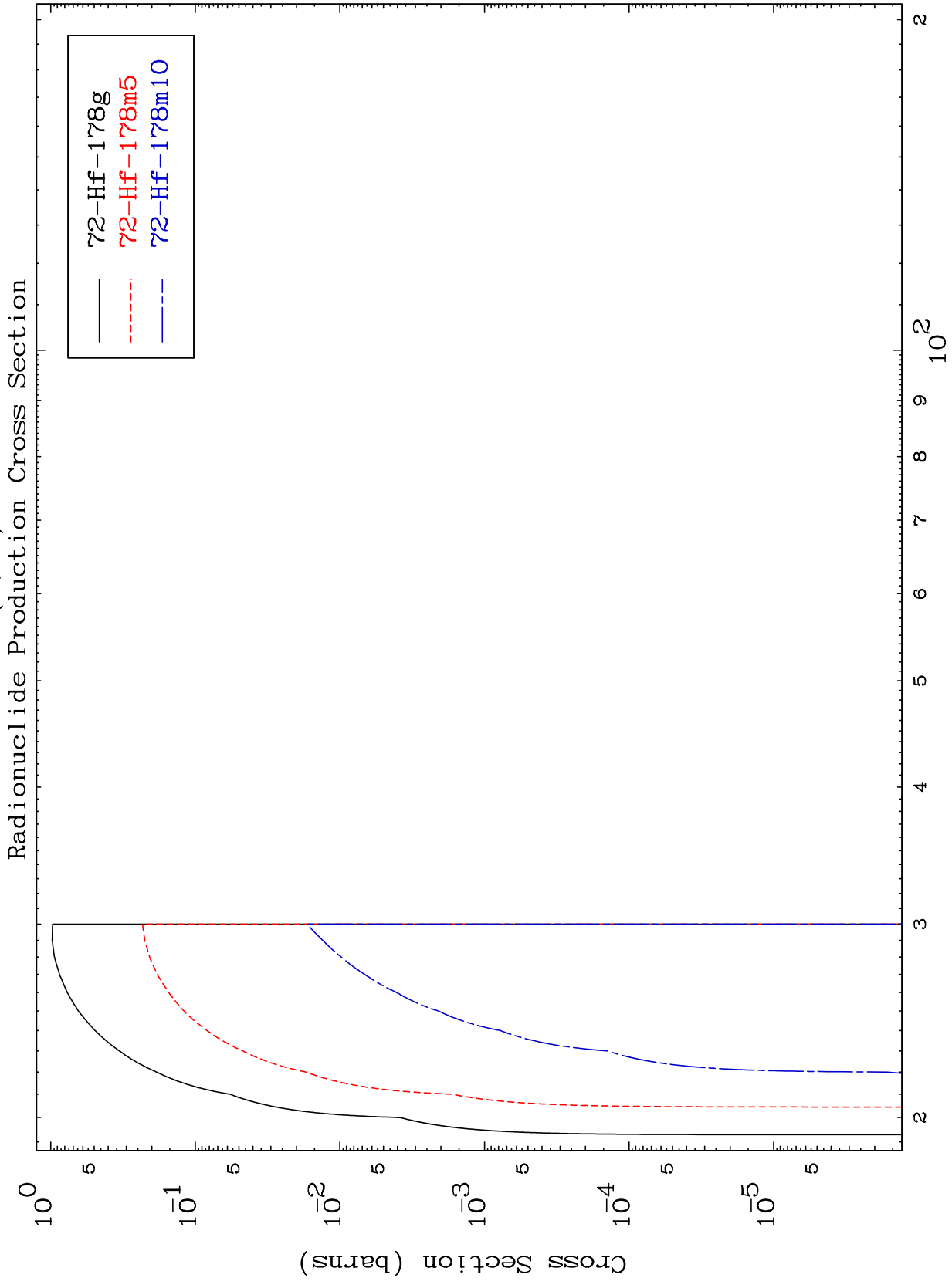
Incident Energy (MeV)

72-Hf-181

MAT 7246

(n,4n)

72-Hf-181



120

Incident Energy (MeV)

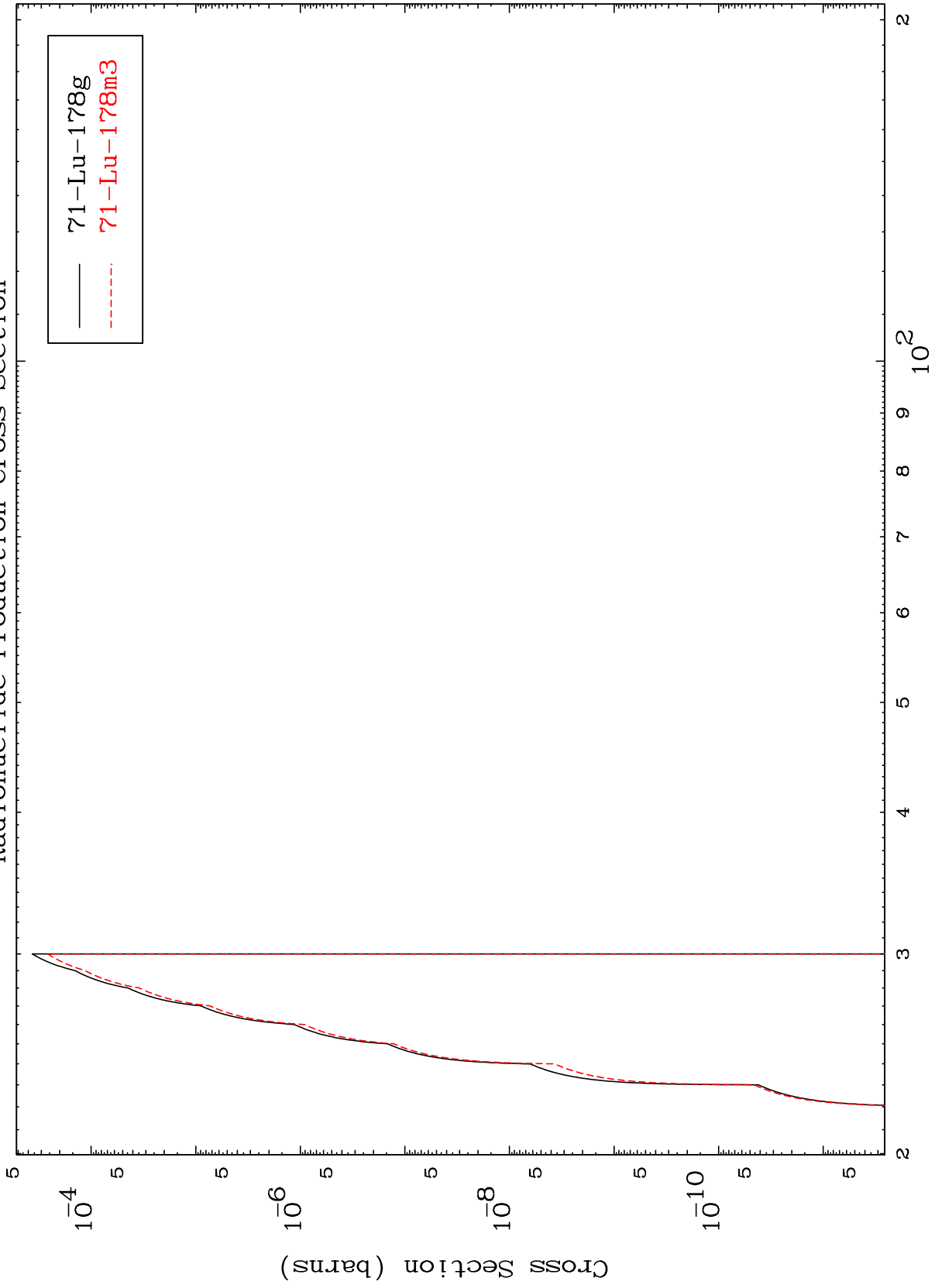
72-Hf-181

MAT 7246

(n,3n) p

72-Hf-181

Radionuclide Production Cross Section



121

Incident Energy (MeV)

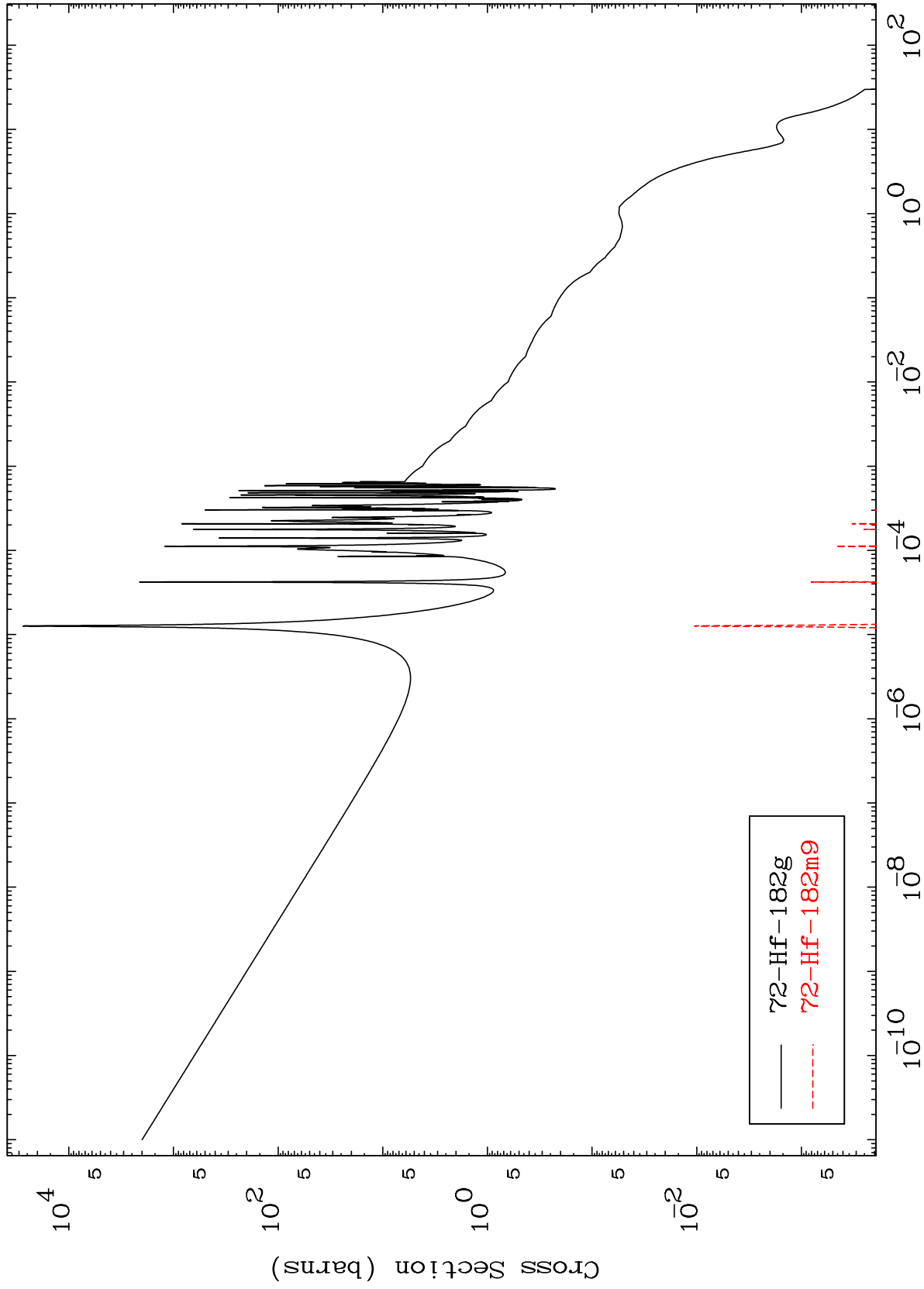
72-Hf-181

MAT 7246

72-Hf-181

Radionuclide Production Cross Section

(n, γ)



72-Hf-181

— 72-Hf-182g
- - - 72-Hf-182m9