

Program EVALPLOT
(Version 2017-1)

by

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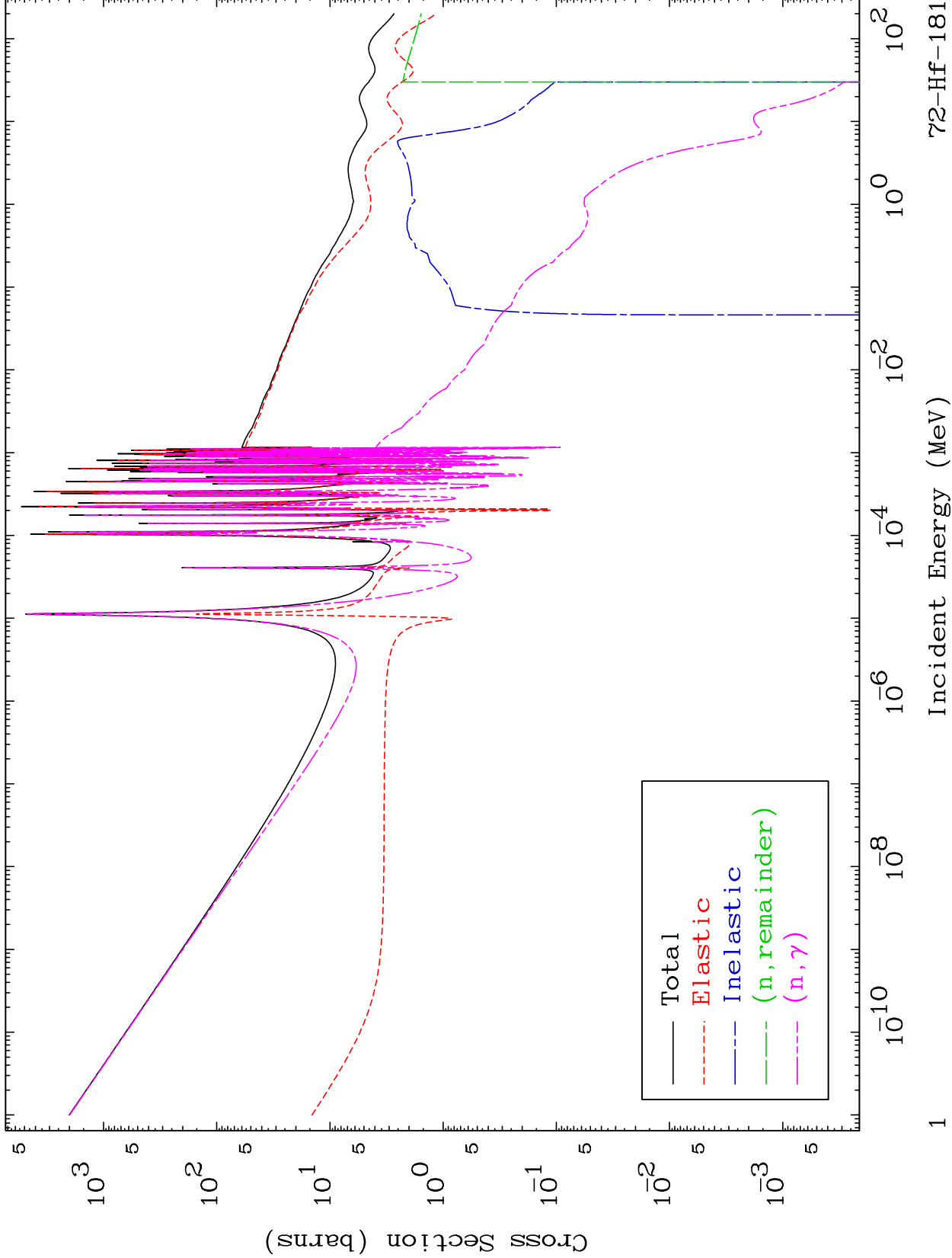
Press Mouse Button to Start

MAT 7246

Major

293 Kelvin Cross Sections

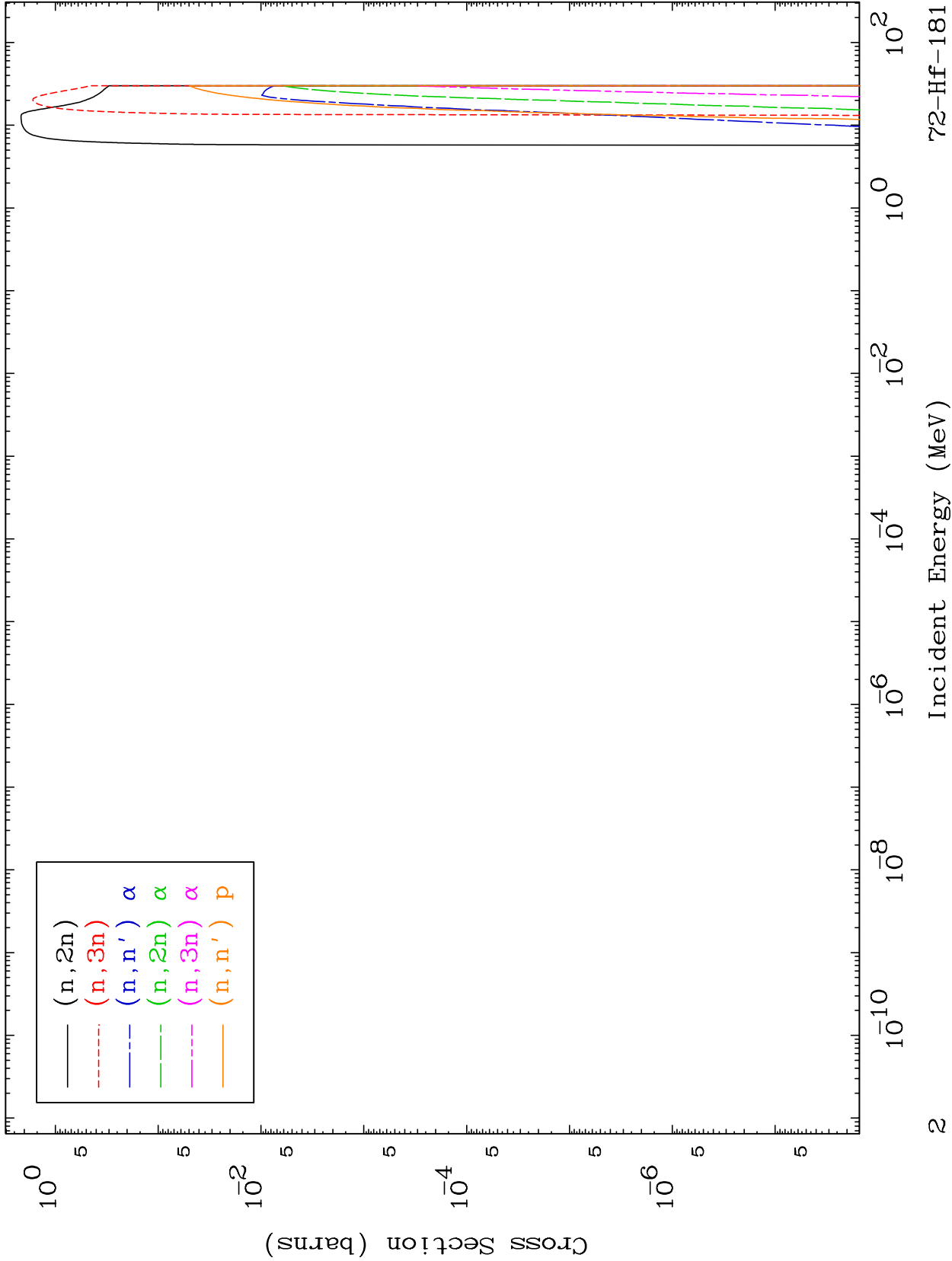
72-Hf-181

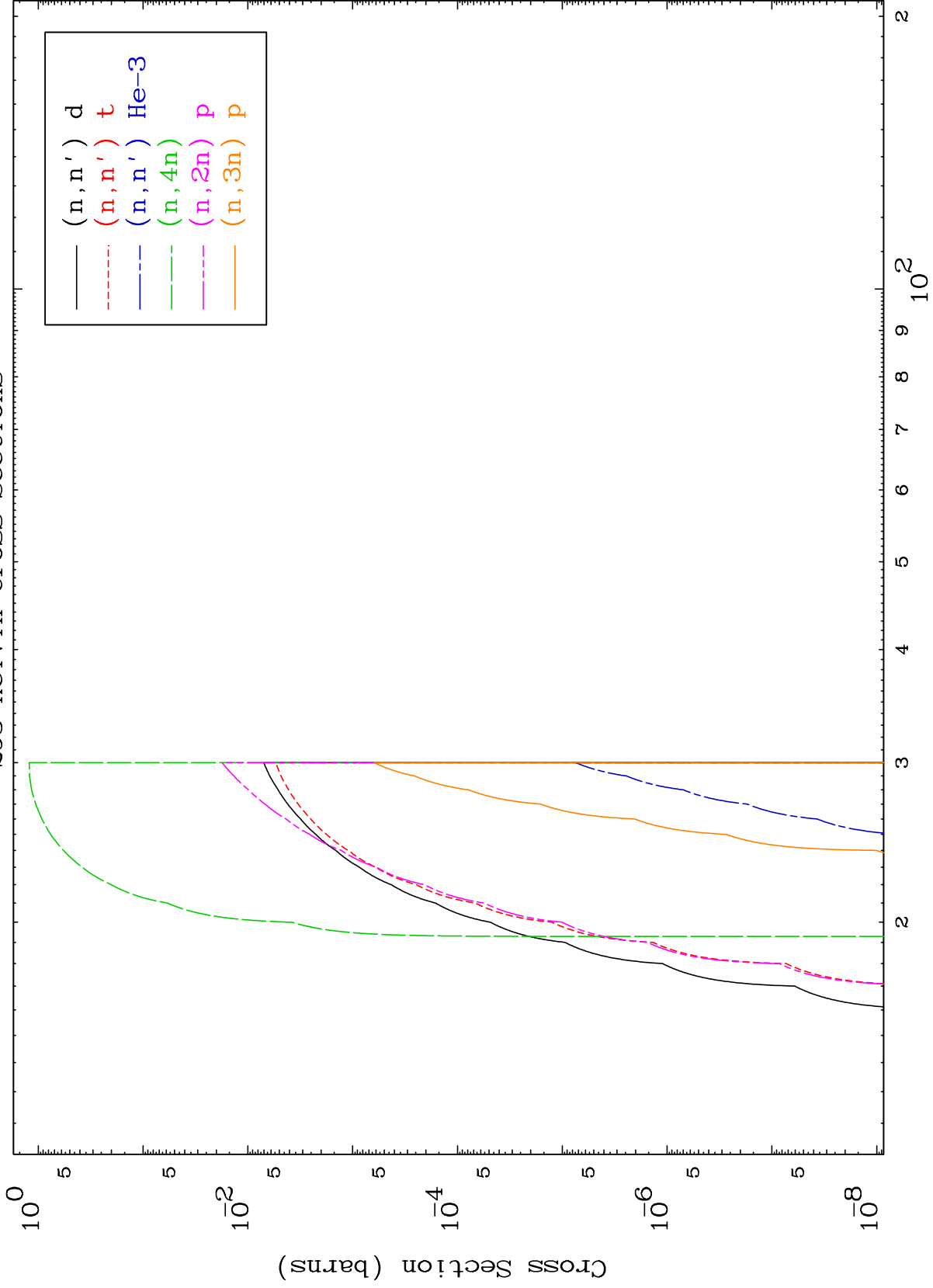


MAT 7246

Neutron Production
293 Kelvin Cross Sections

72-Hf-181

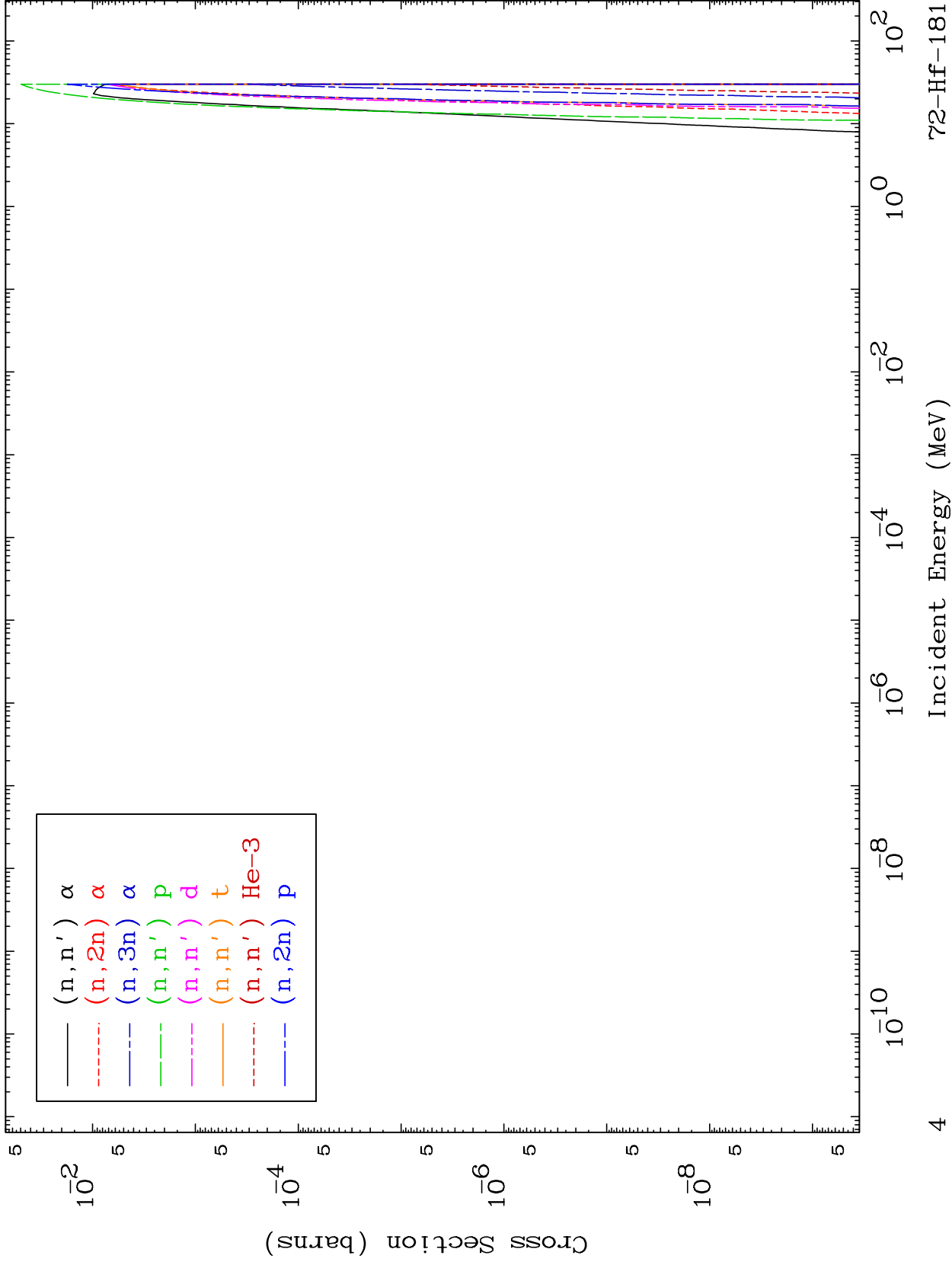




MAT 7246

Charged Particle
293 Kelvin Cross Sections

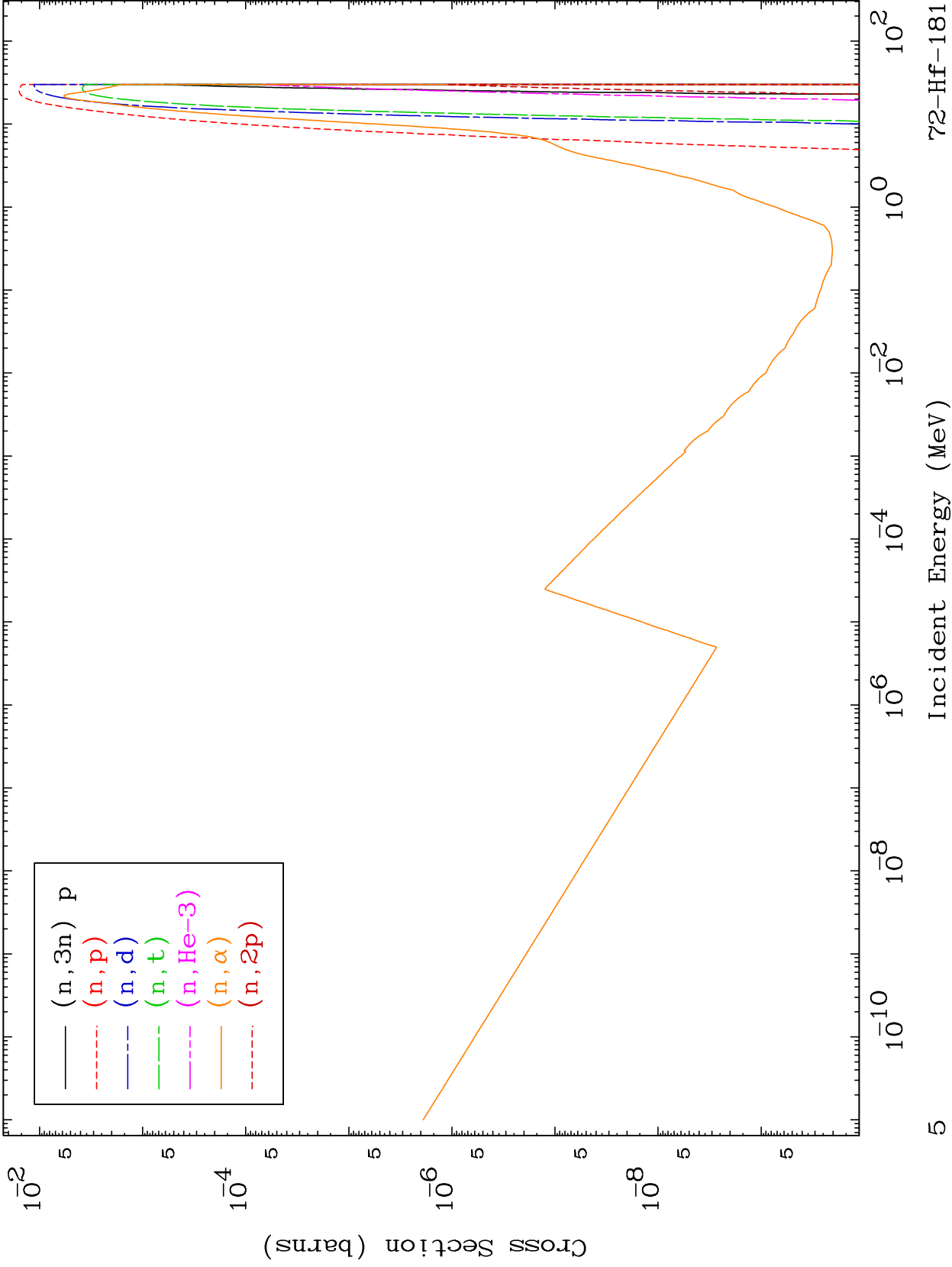
72-Hf-181



MAT 7246

Charged Particle
293 Kelvin Cross Sections

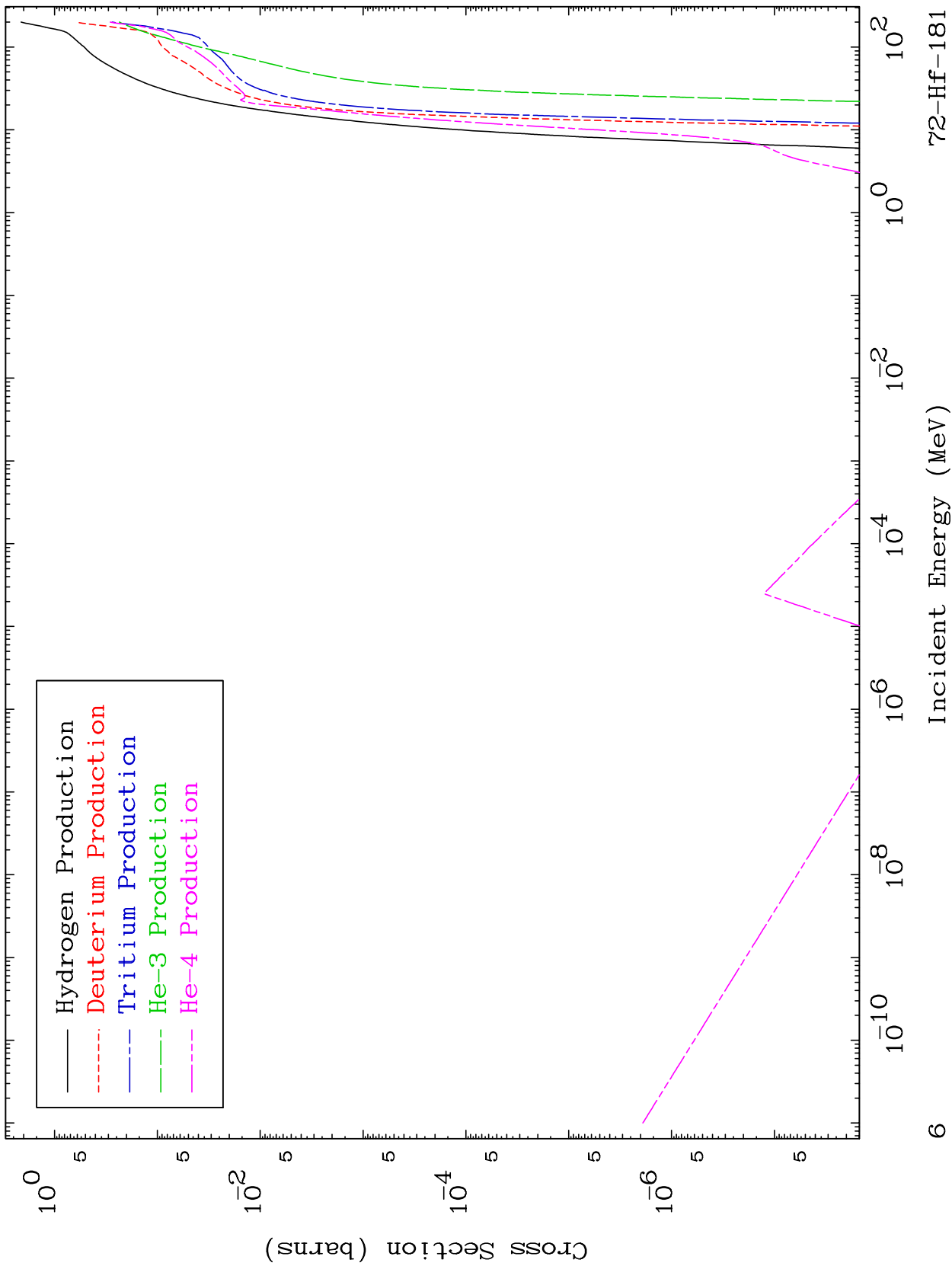
72-Hf-181



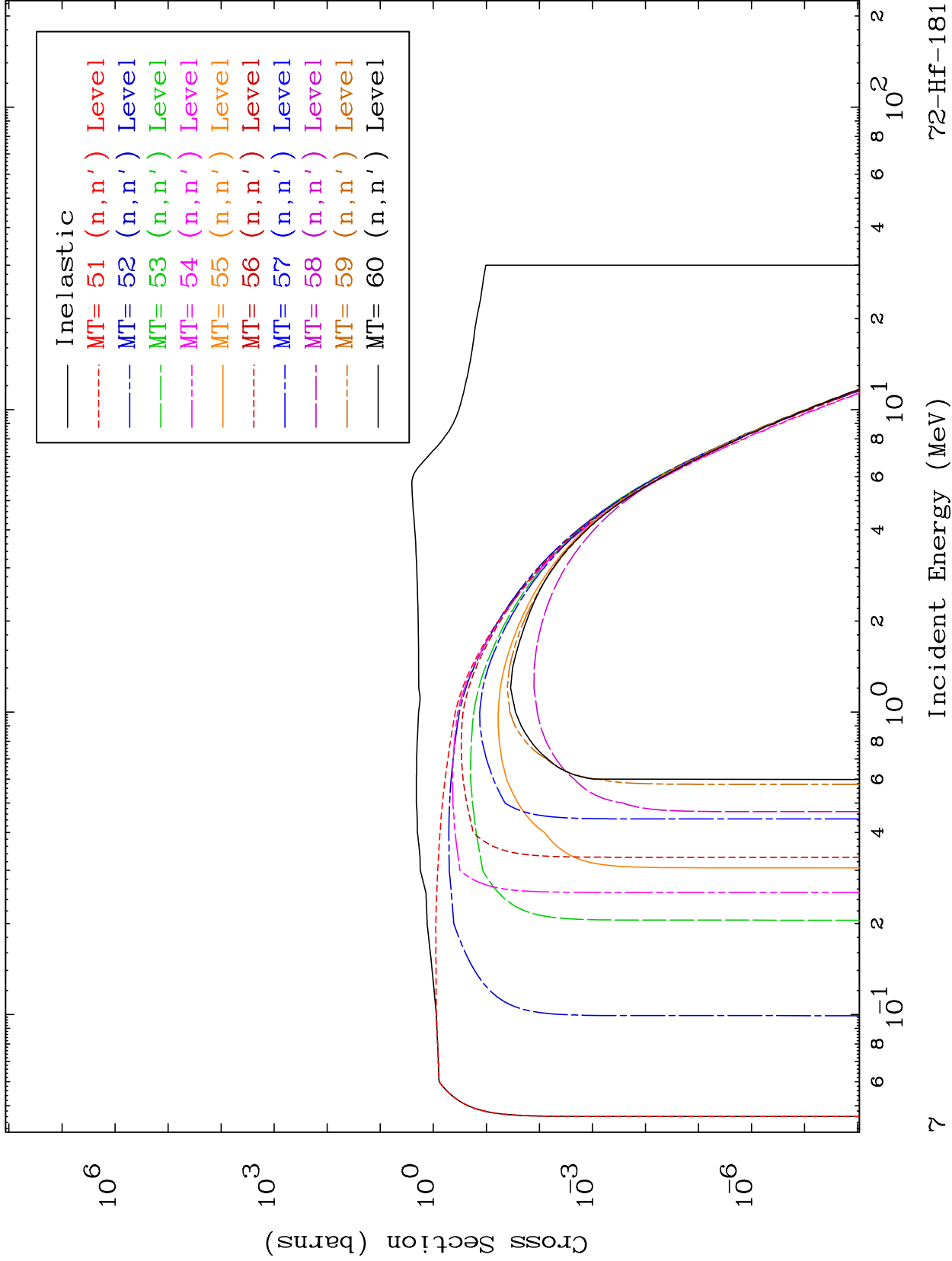
MAT 7246

Particle Production
293 Kelvin Cross Sections

72-Hf-181



293 Kelvin Cross Sections

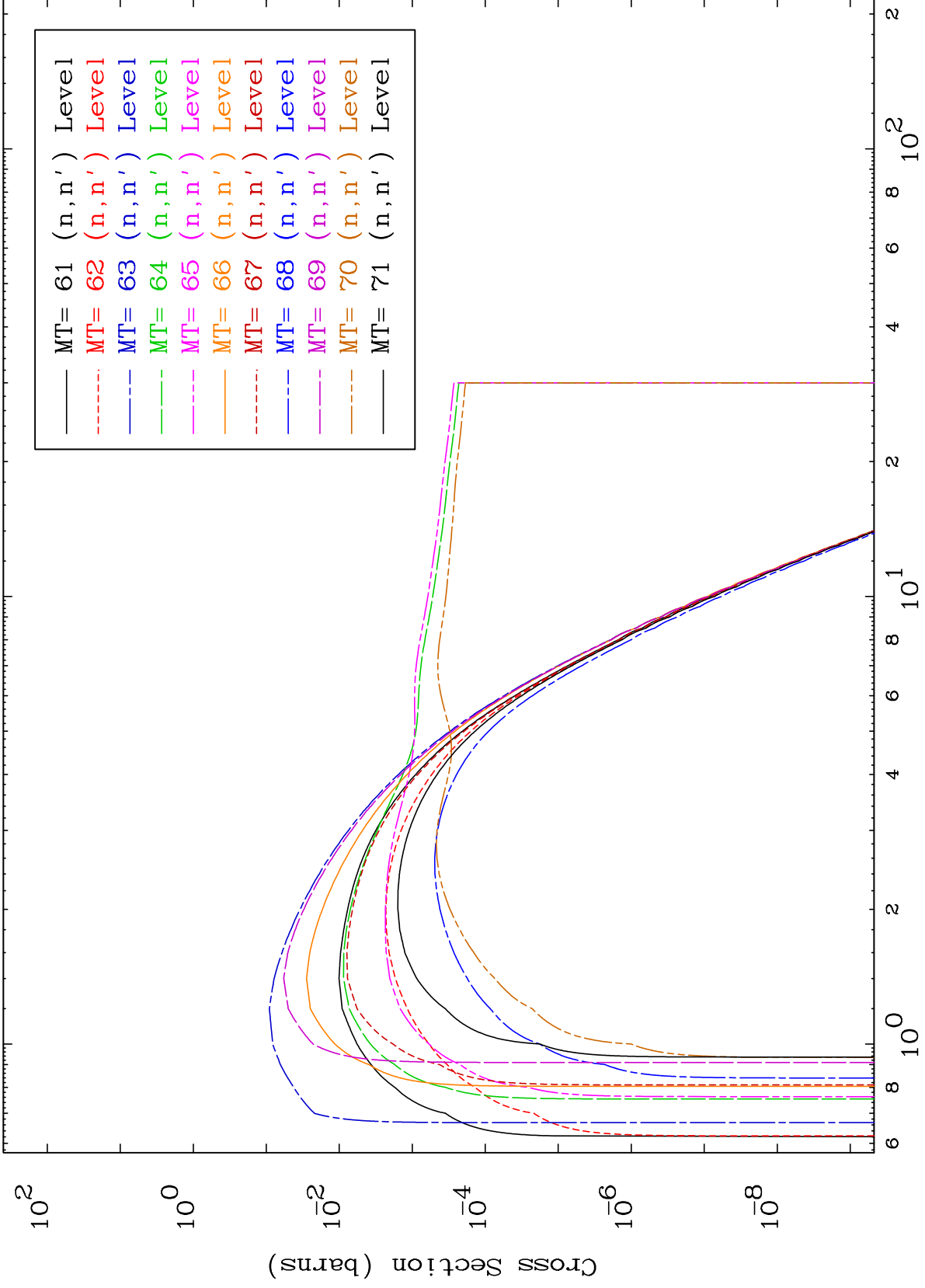


MAT 7246

(n,n') Level

72-Hf-181

293 Kelvin Cross Sections



Incident Energy (MeV)

72-Hf-181

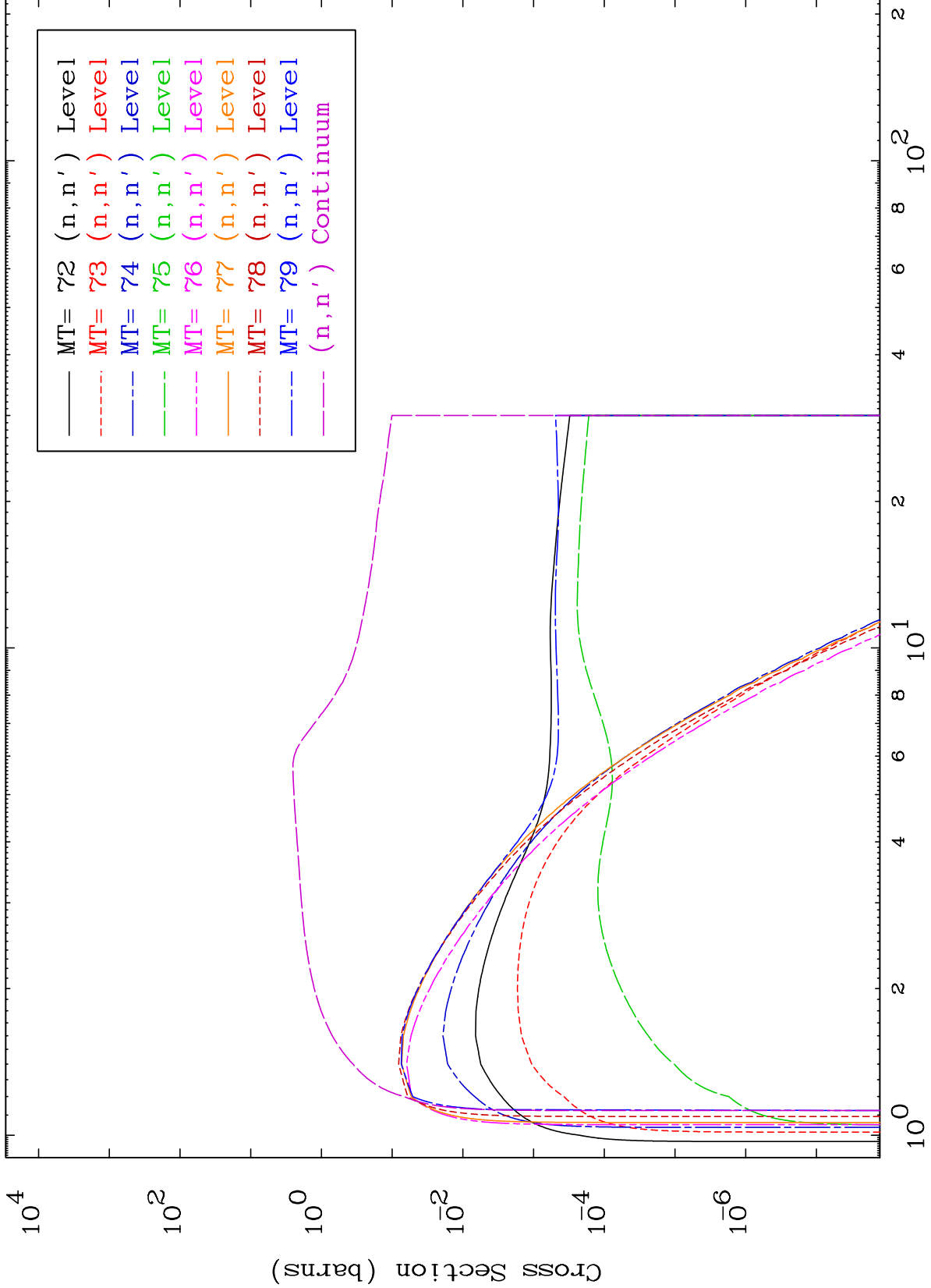
8

MAT 7246

(n,n') Level

72-Hf-181

293 Kelvin Cross Sections



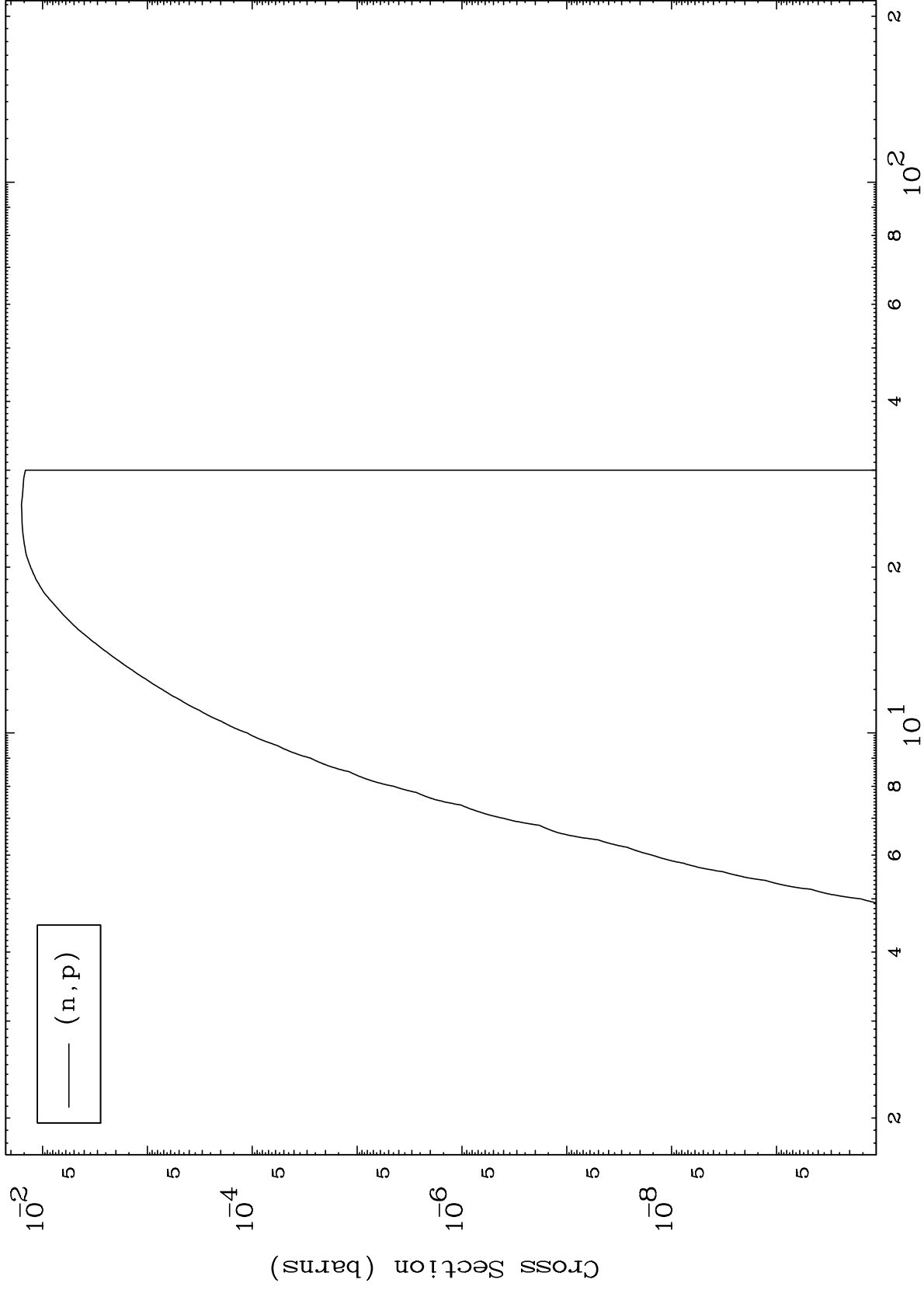
Incident Energy (MeV)

72-Hf-181

MAT 7246

(n,p) Levels
293 Kelvin Cross Sections

72-Hf-181



10

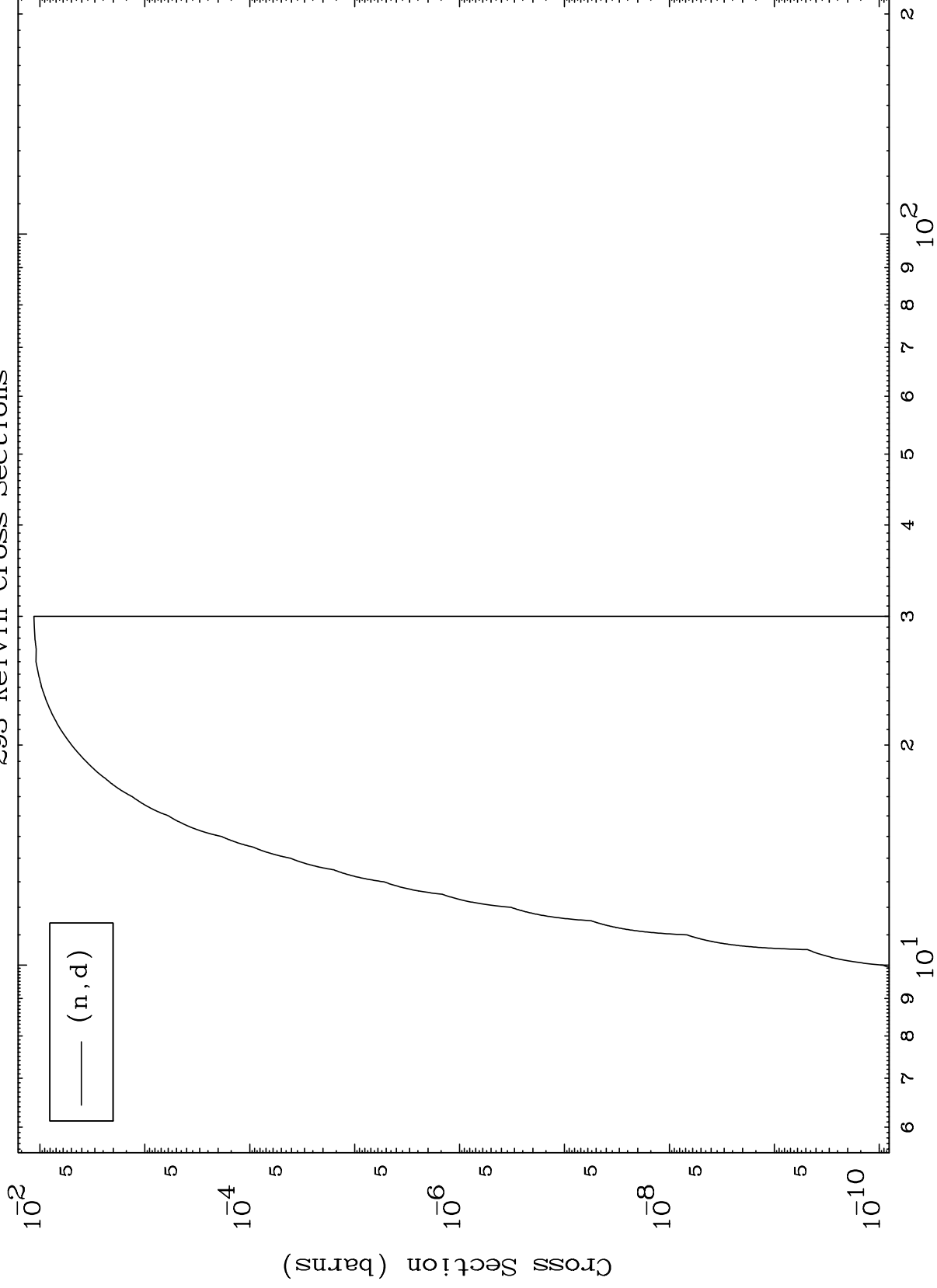
Incident Energy (MeV)

72-Hf-181

MAT 7246

(n,d) Levels
293 Kelvin Cross Sections

72-Hf-181



11

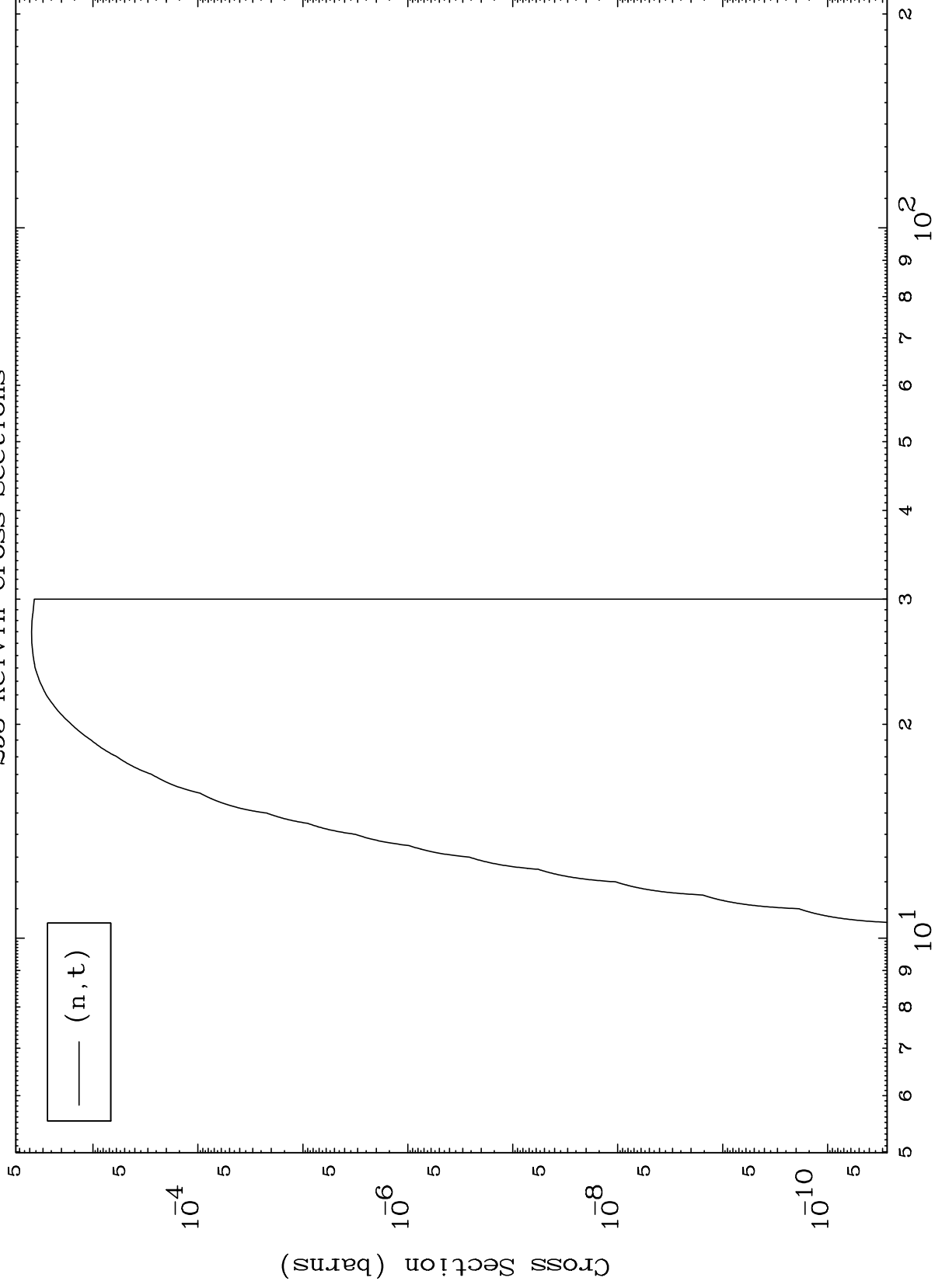
Incident Energy (MeV)

72-Hf-181

MAT 7246

(n, t) Levels
293 Kelvin Cross Sections

72-Hf-181



12

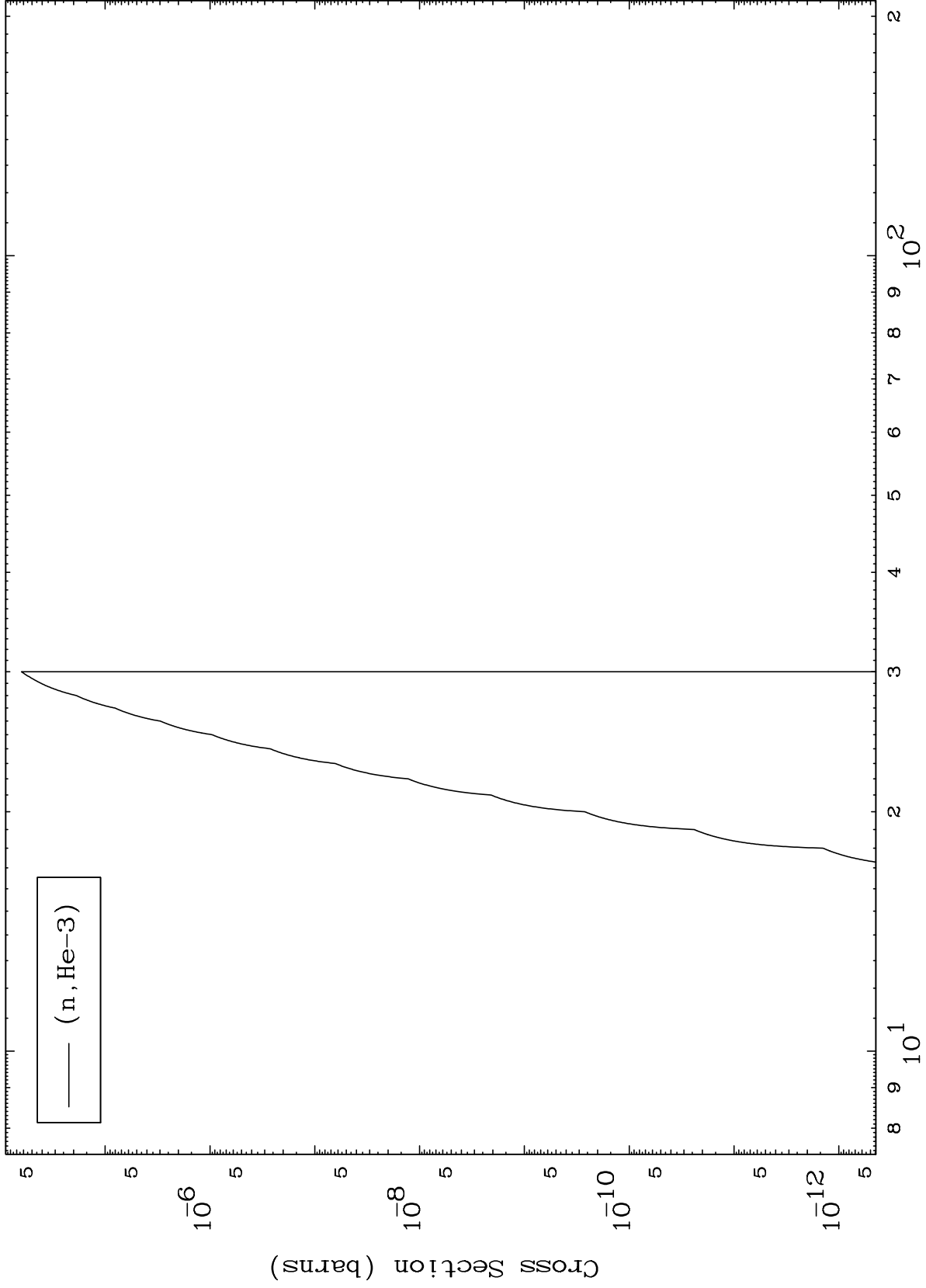
Incident Energy (MeV)

72-Hf-181

MAT 7246

(n,He3) Levels
293 Kelvin Cross Sections

72-Hf-181



13

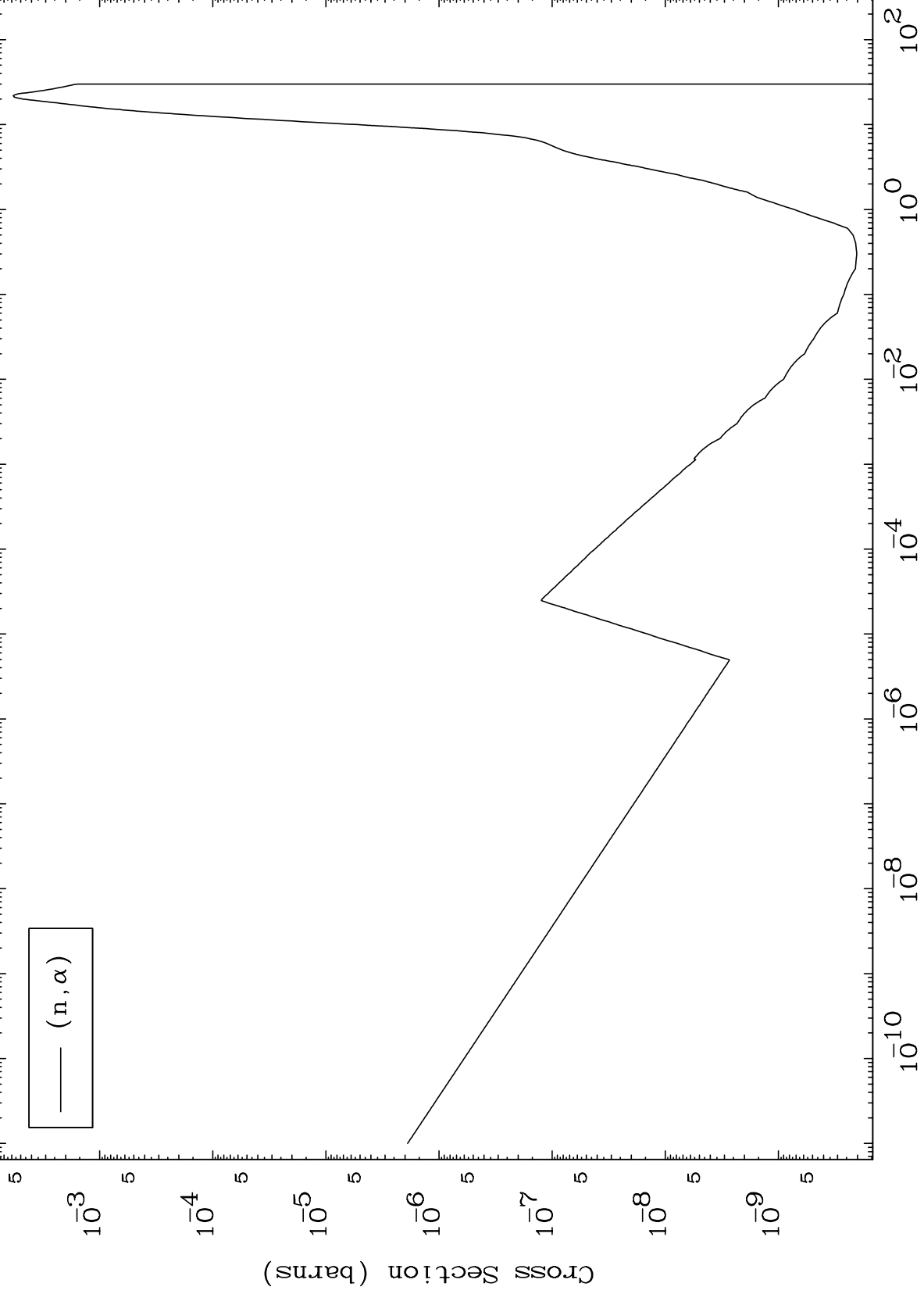
Incident Energy (MeV)

72-Hf-181

MAT 7246

(n, α) Levels
293 Kelvin Cross Sections

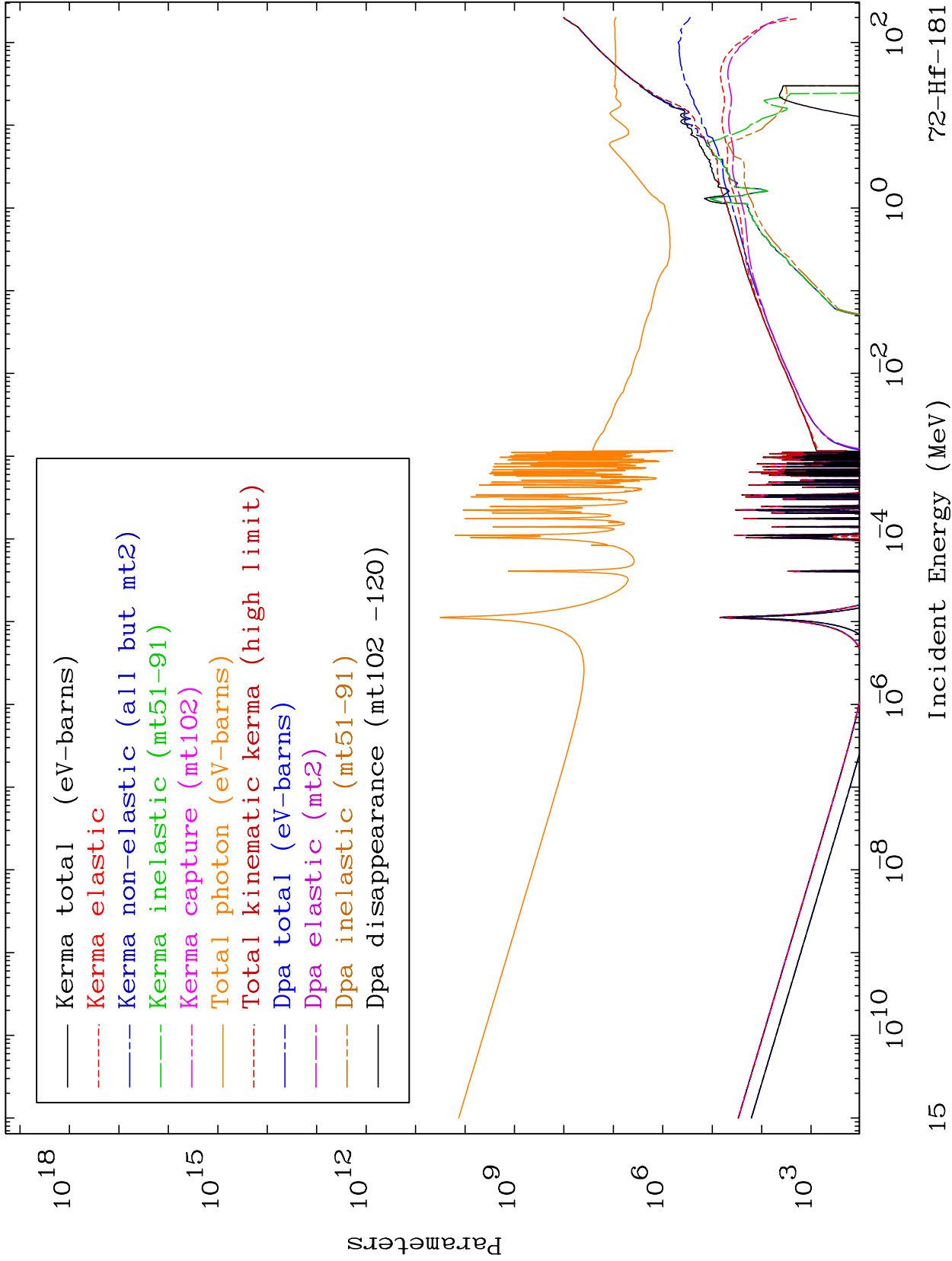
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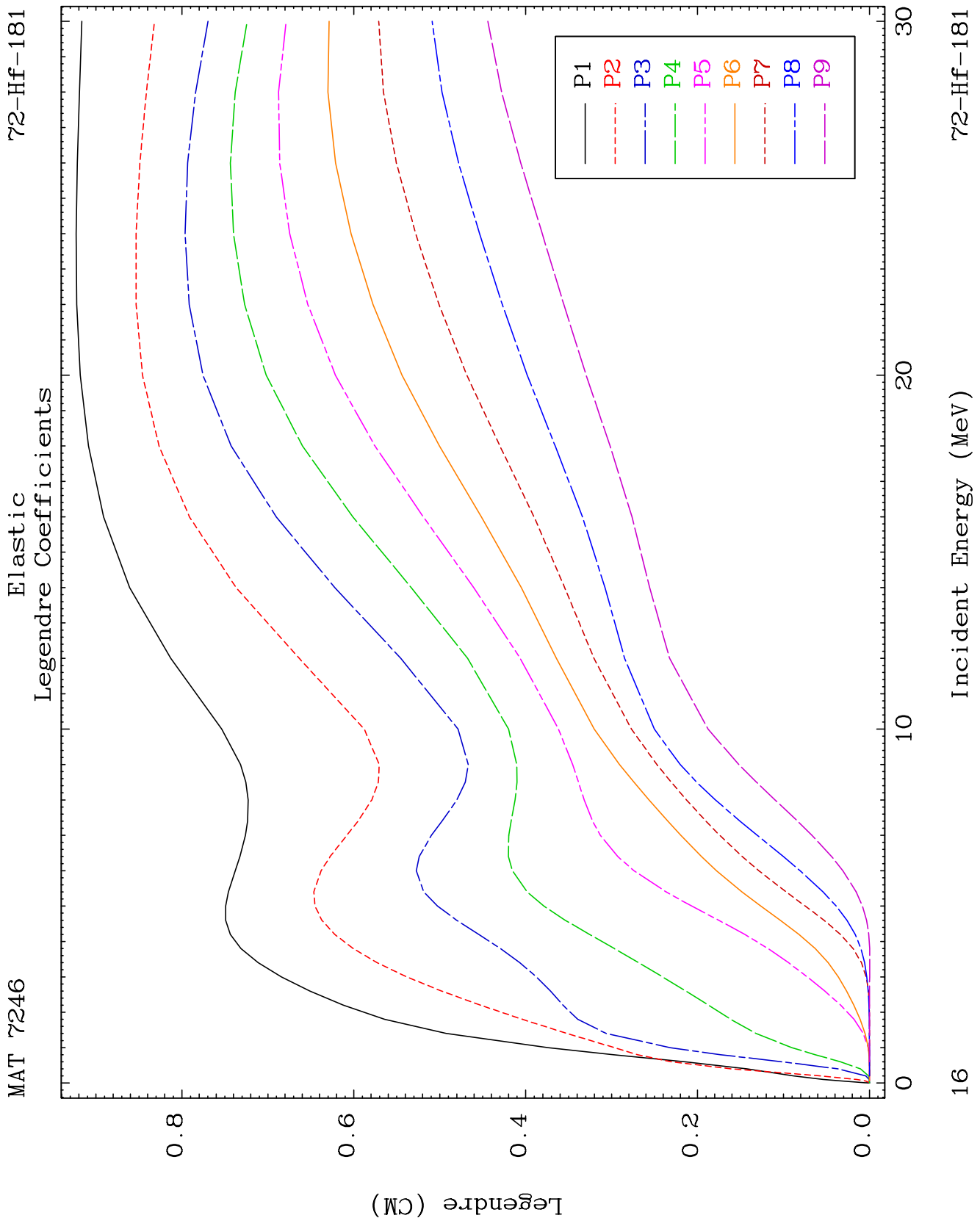


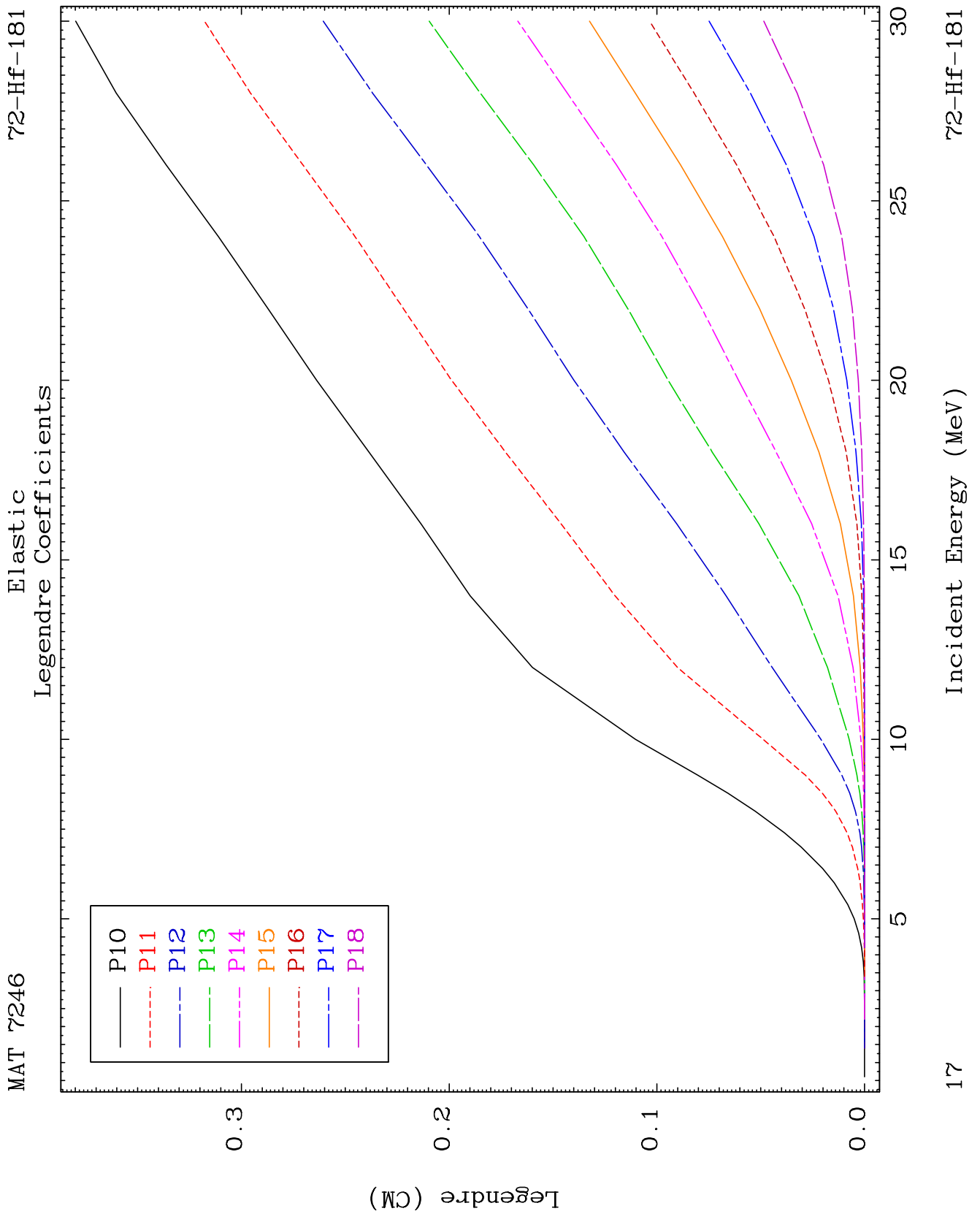
14

Incident Energy (MeV)

72-Hf-181



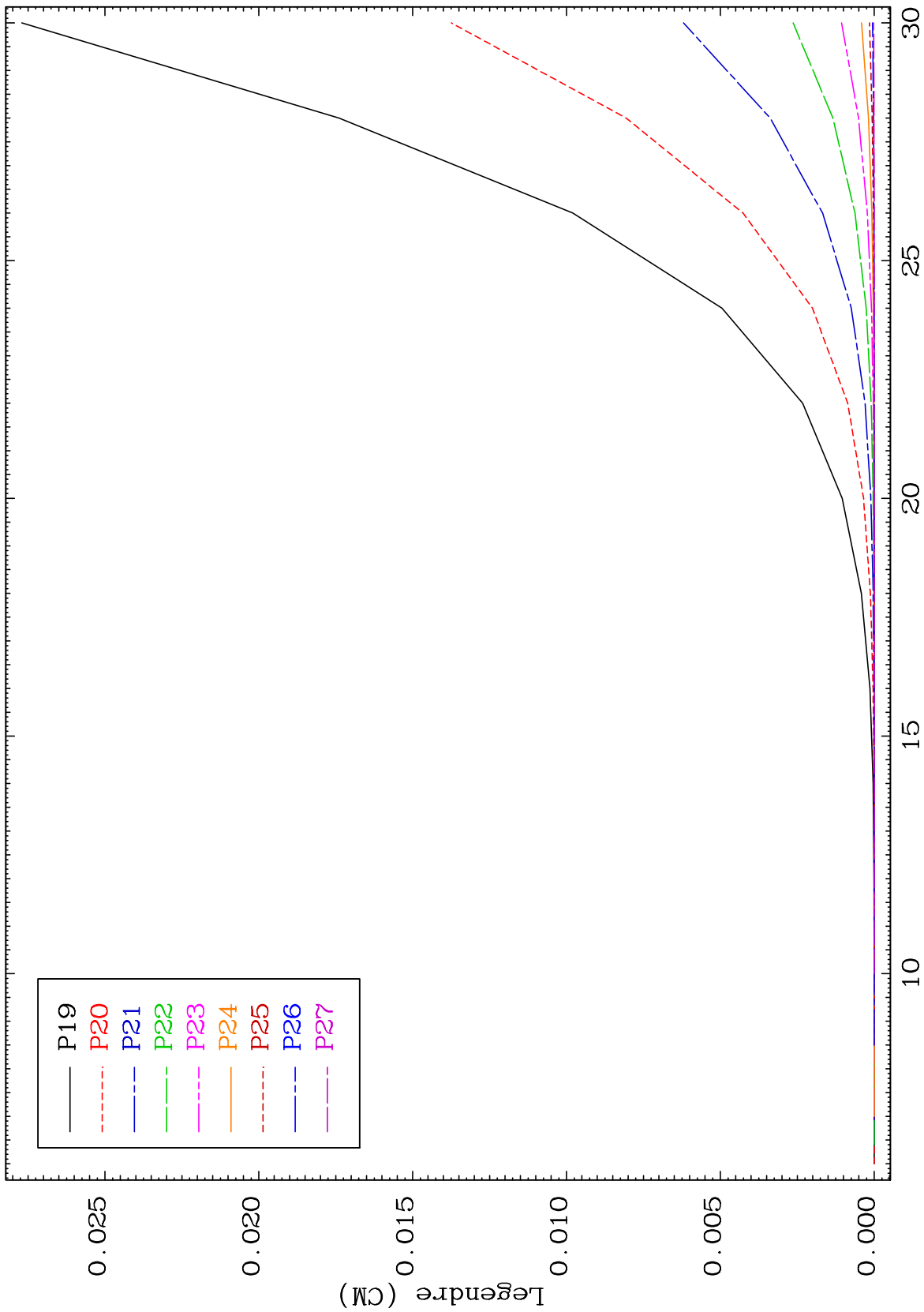




MAT 7246

Elastic Legendre Coefficients

72-Hf-181



18

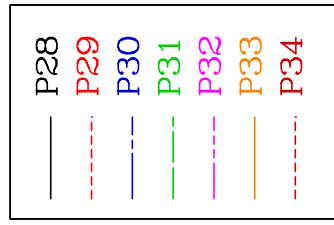
Incident Energy (MeV)

72-Hf-181

MAT 7246

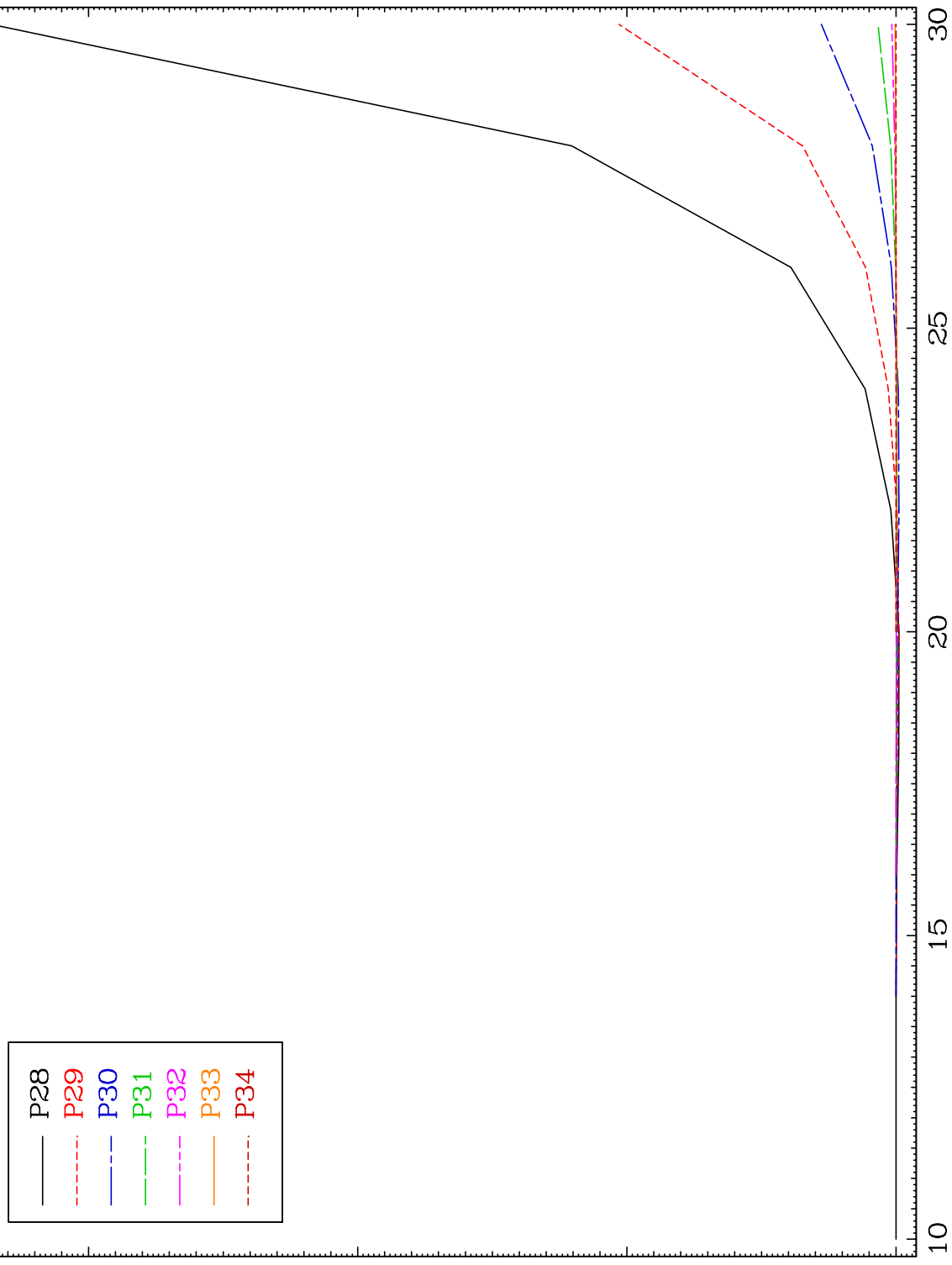
Elastic
Legendre Coefficients

72-Hf-181



$\times 10^{-6}$

Legendre (CM)



10

15

20

25

30

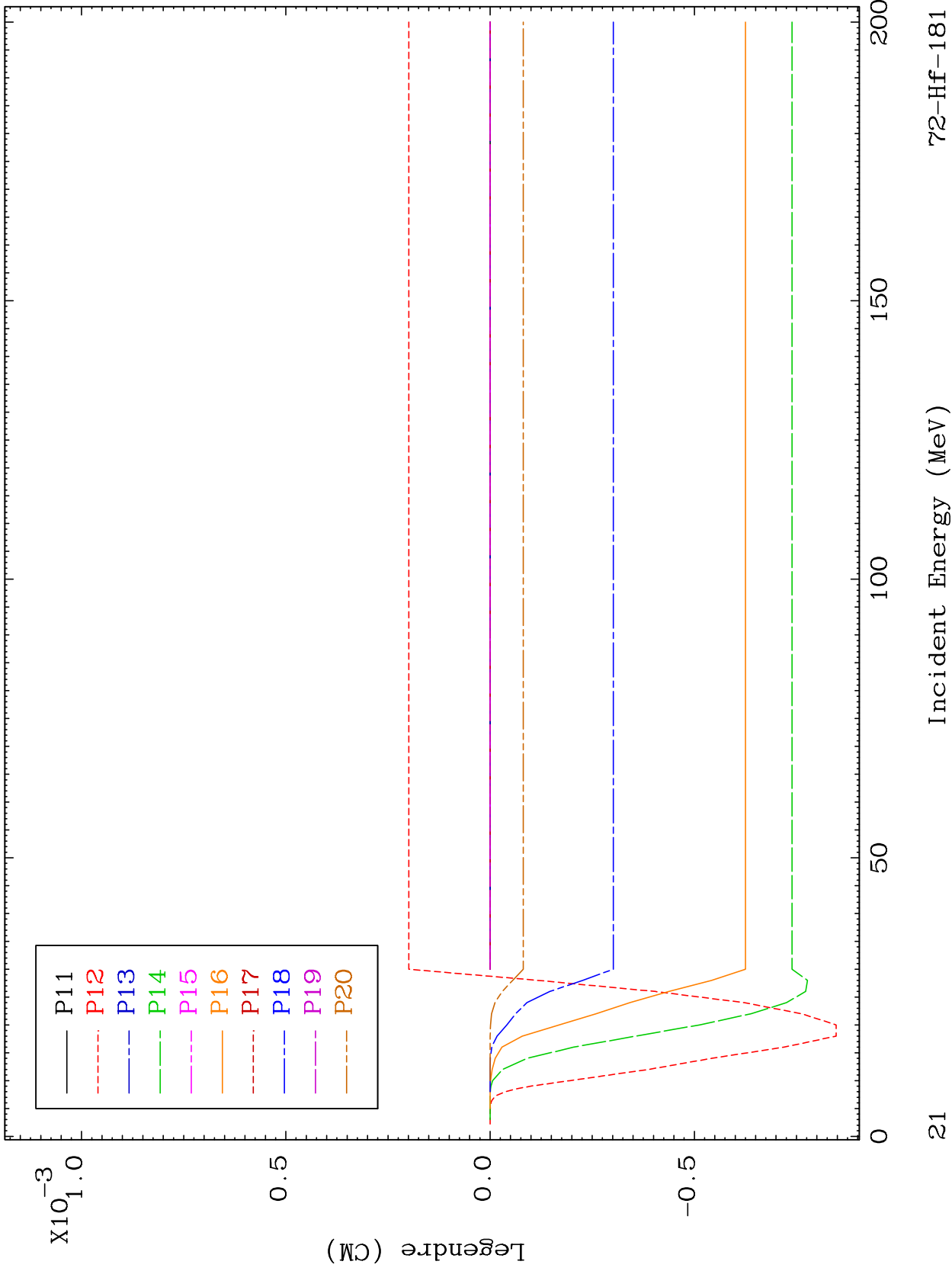
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

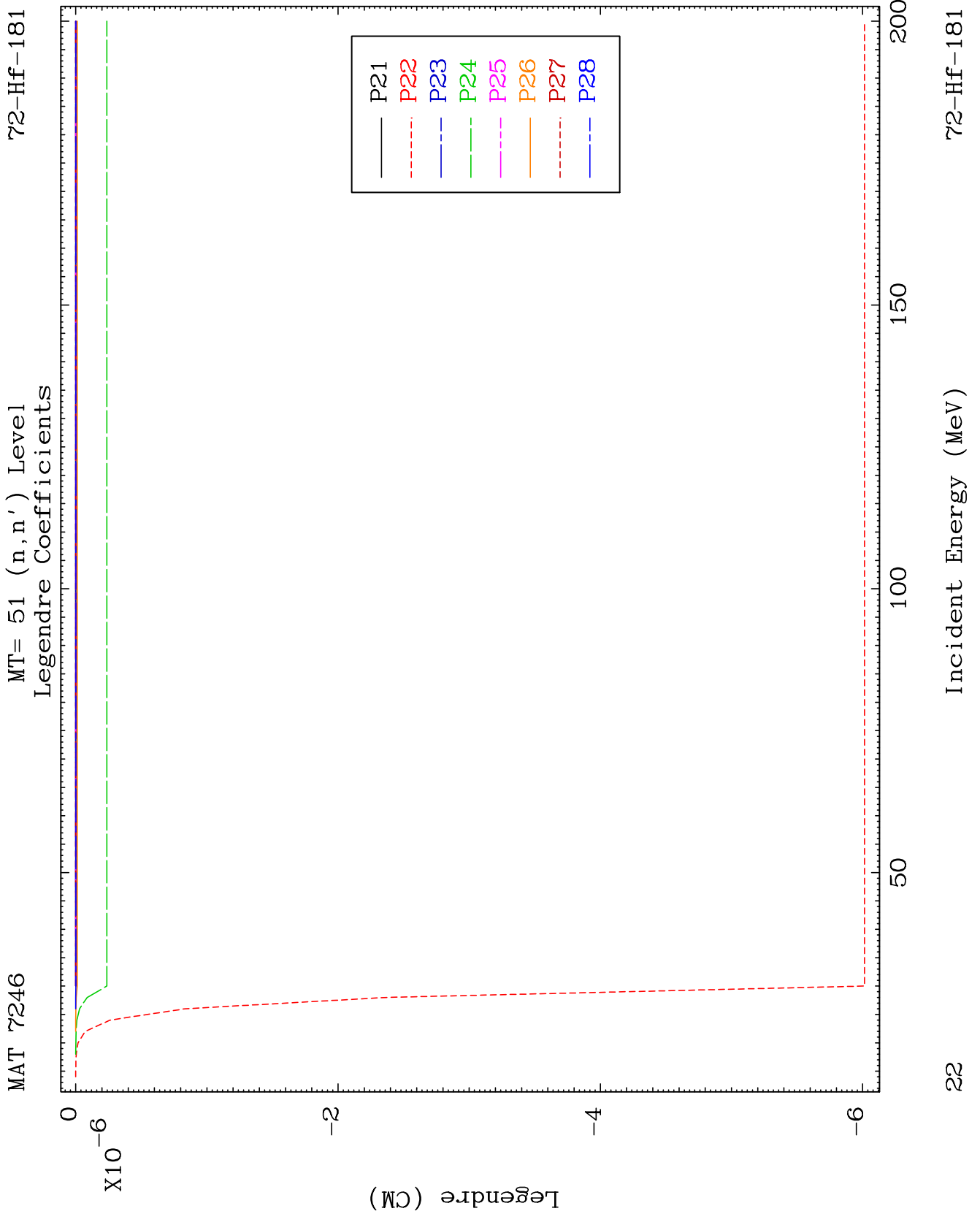
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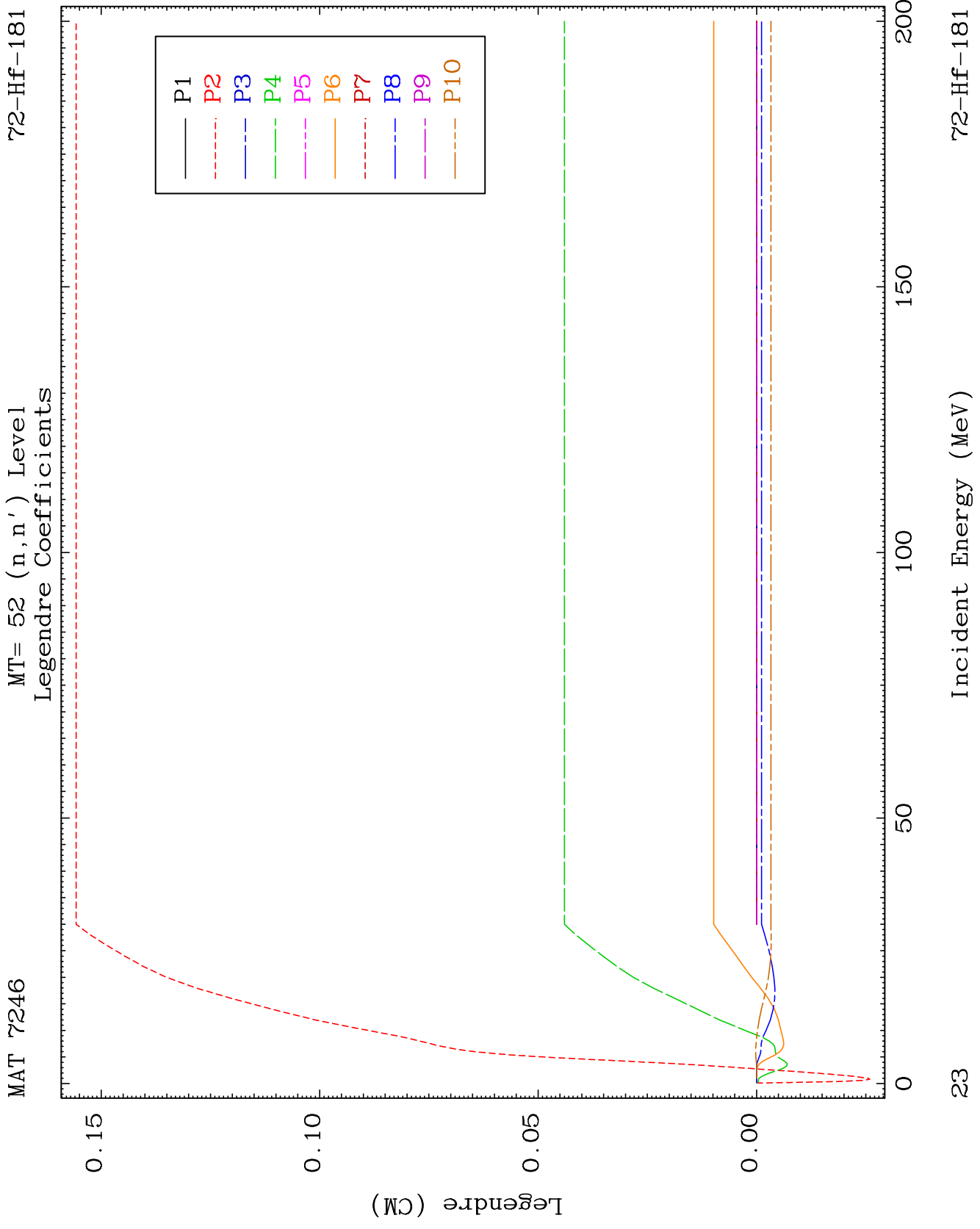


21

Incident Energy (MeV)

72-Hf-181

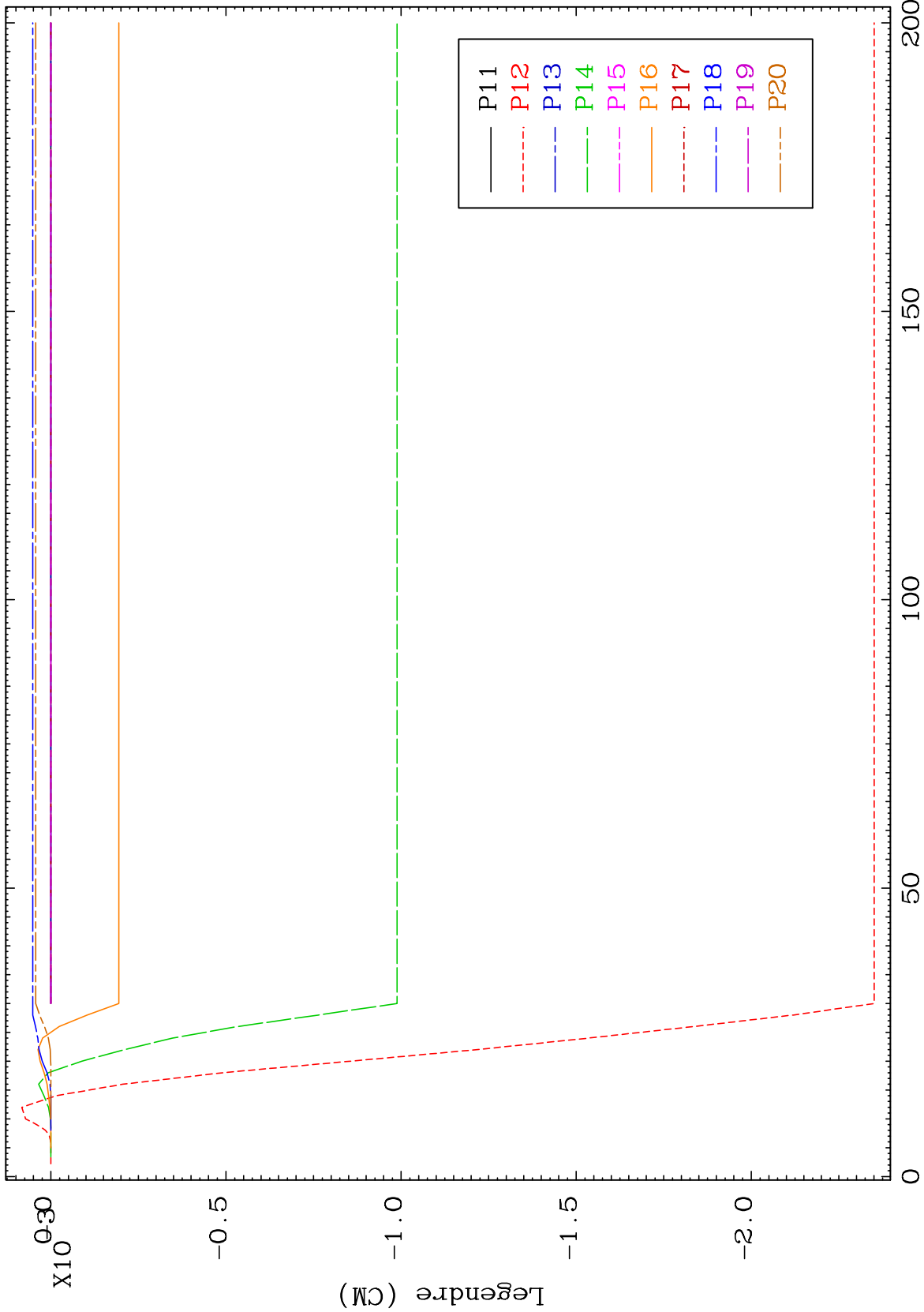




MAT 7246

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

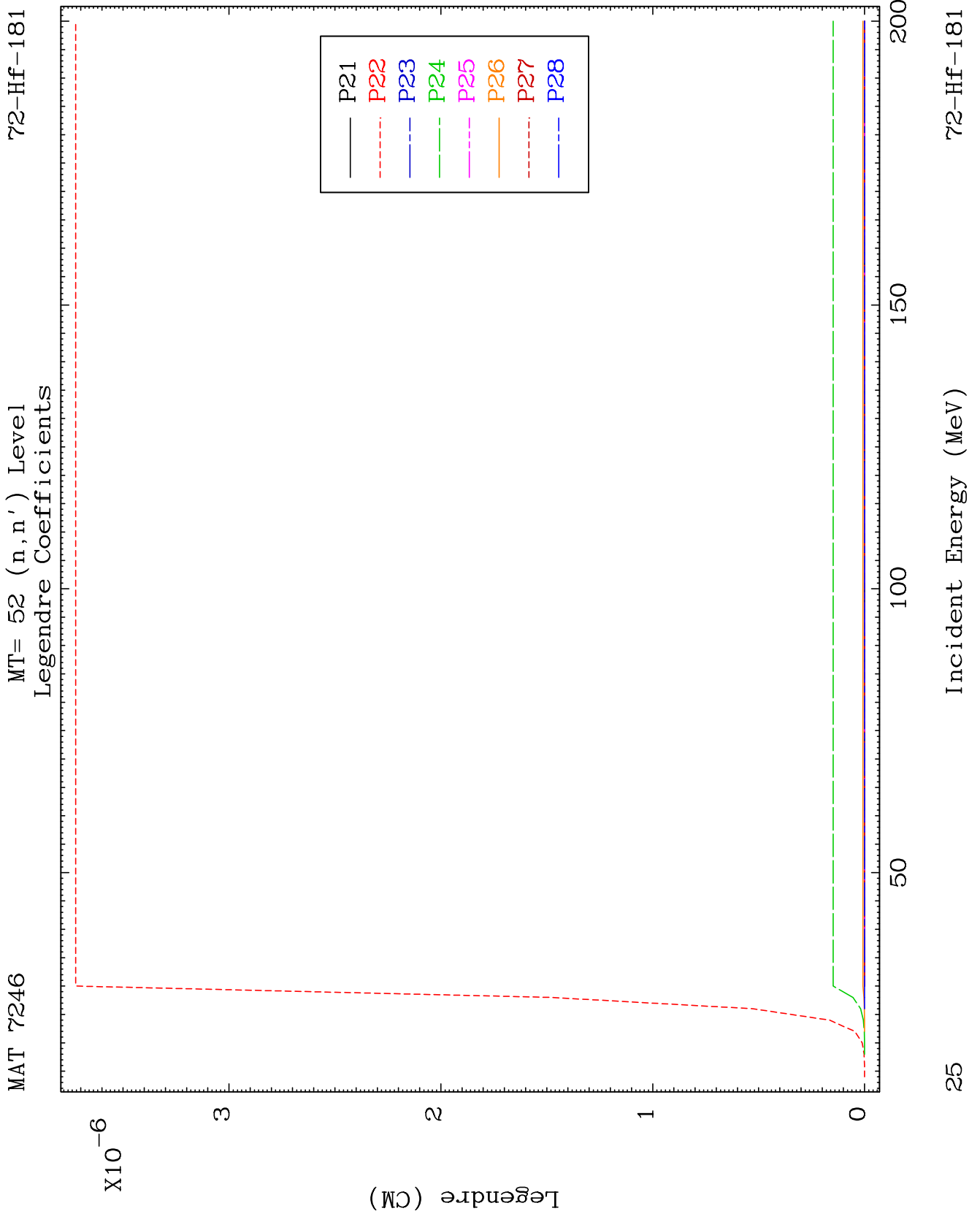
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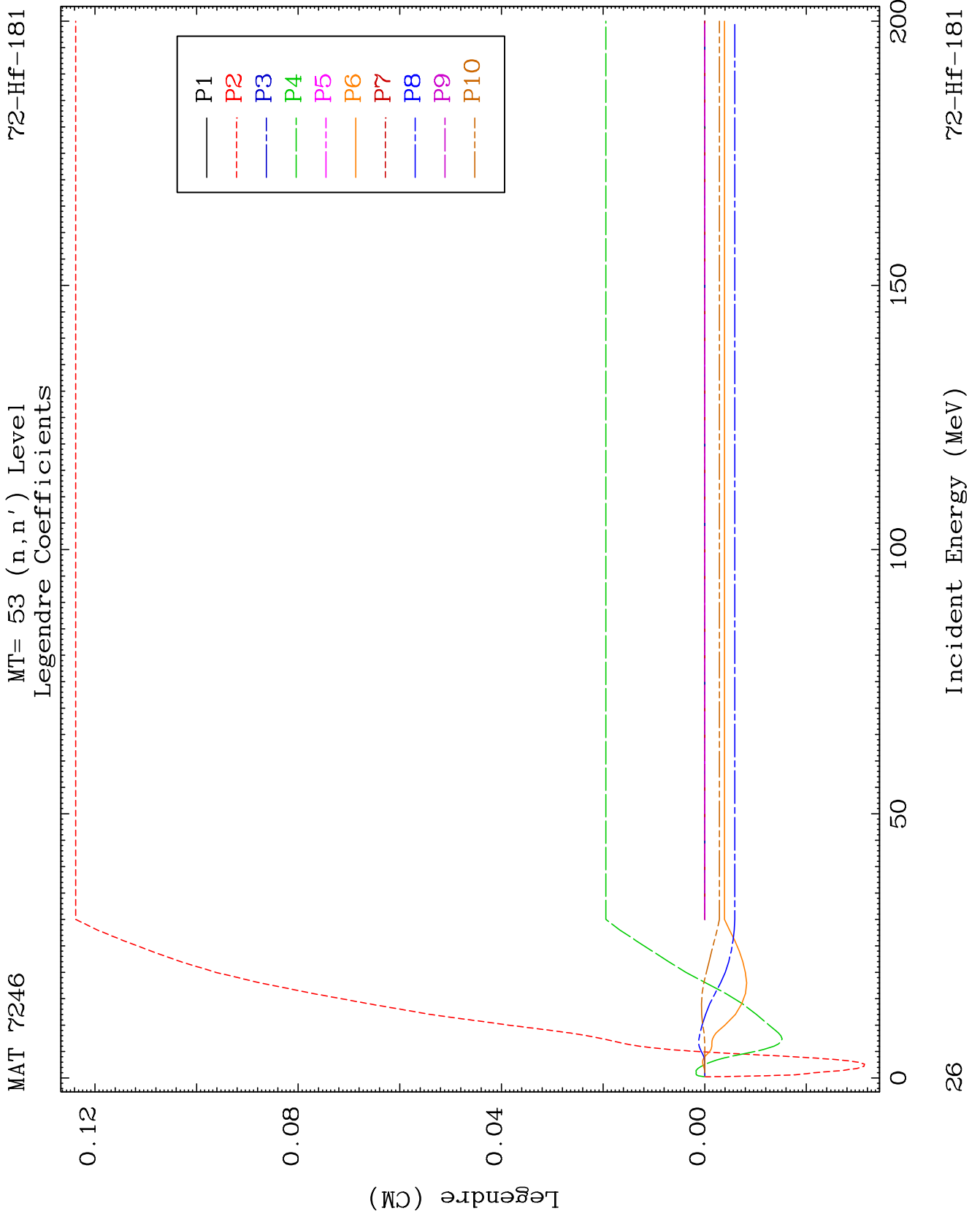


24

Incident Energy (MeV)

72-Hf-181

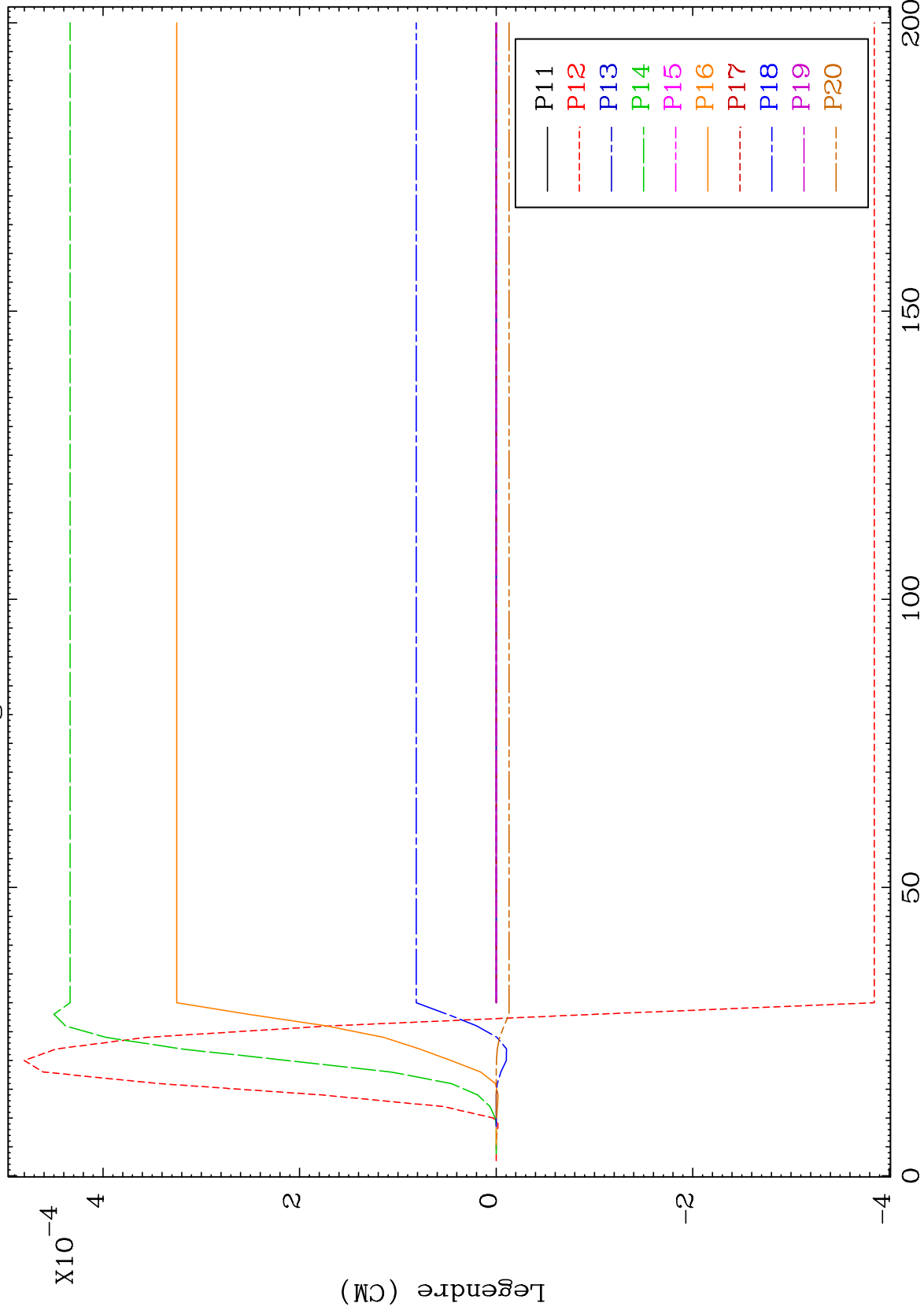




MAT 7246

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

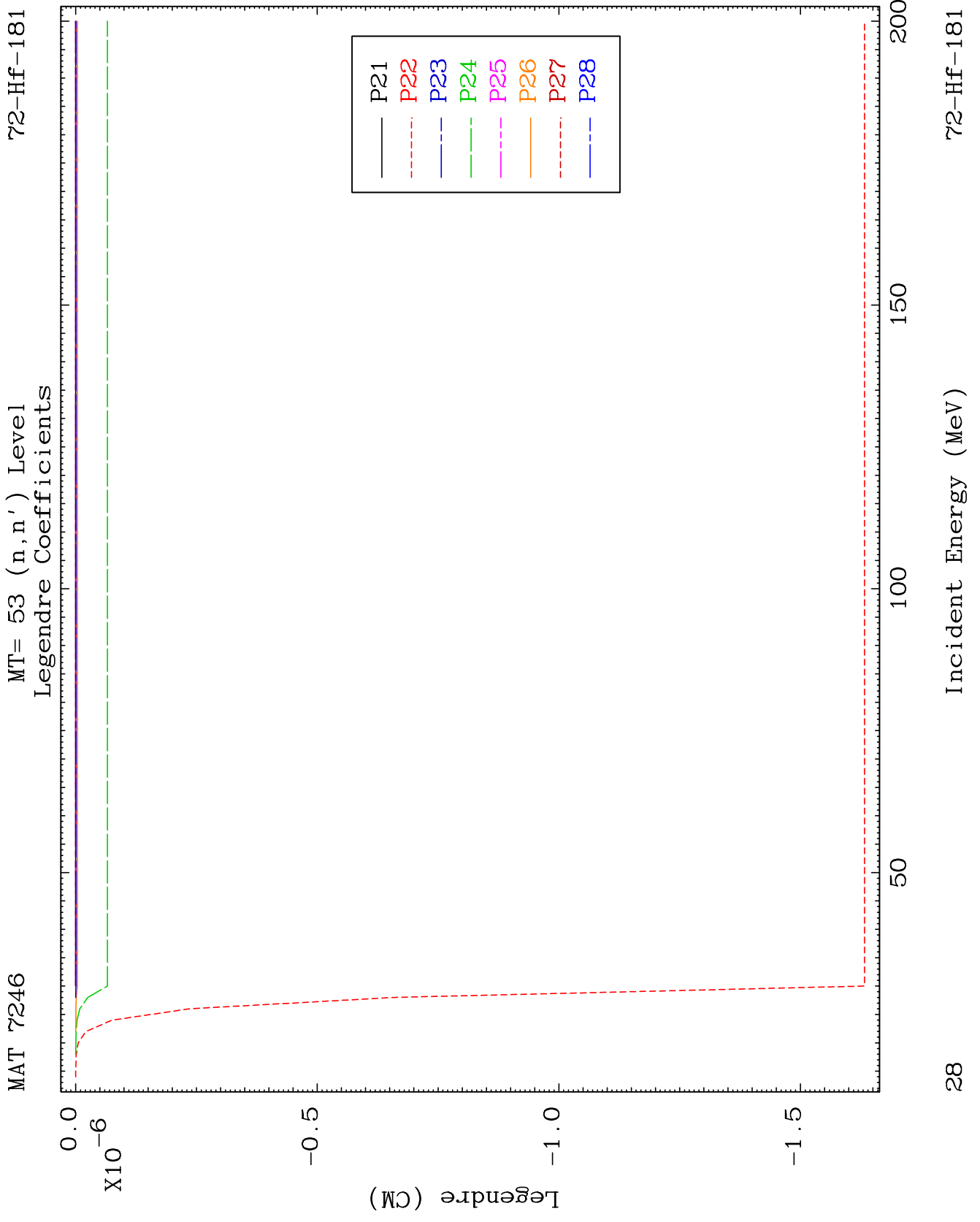
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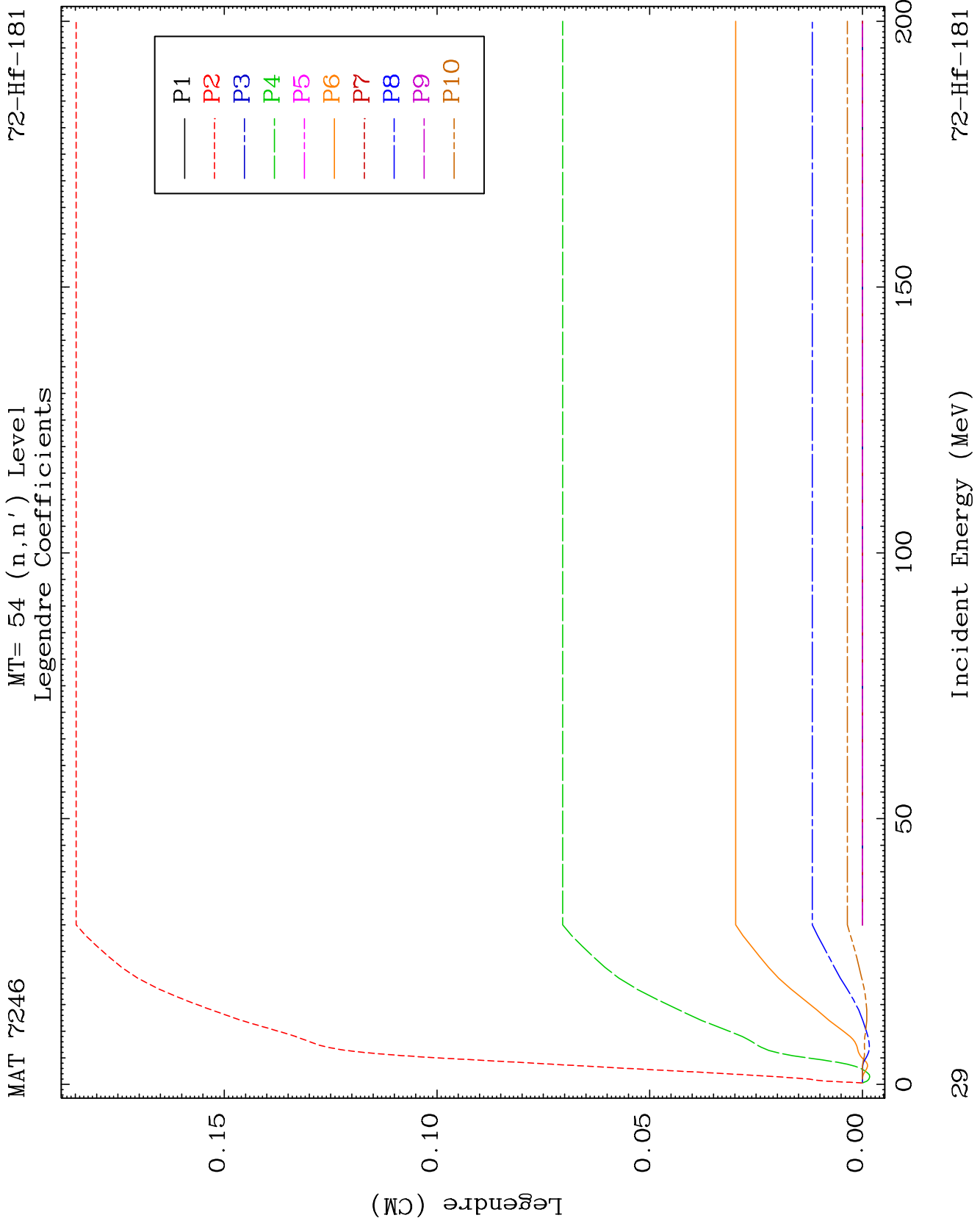


27

Incident Energy (MeV)

72-Hf-181

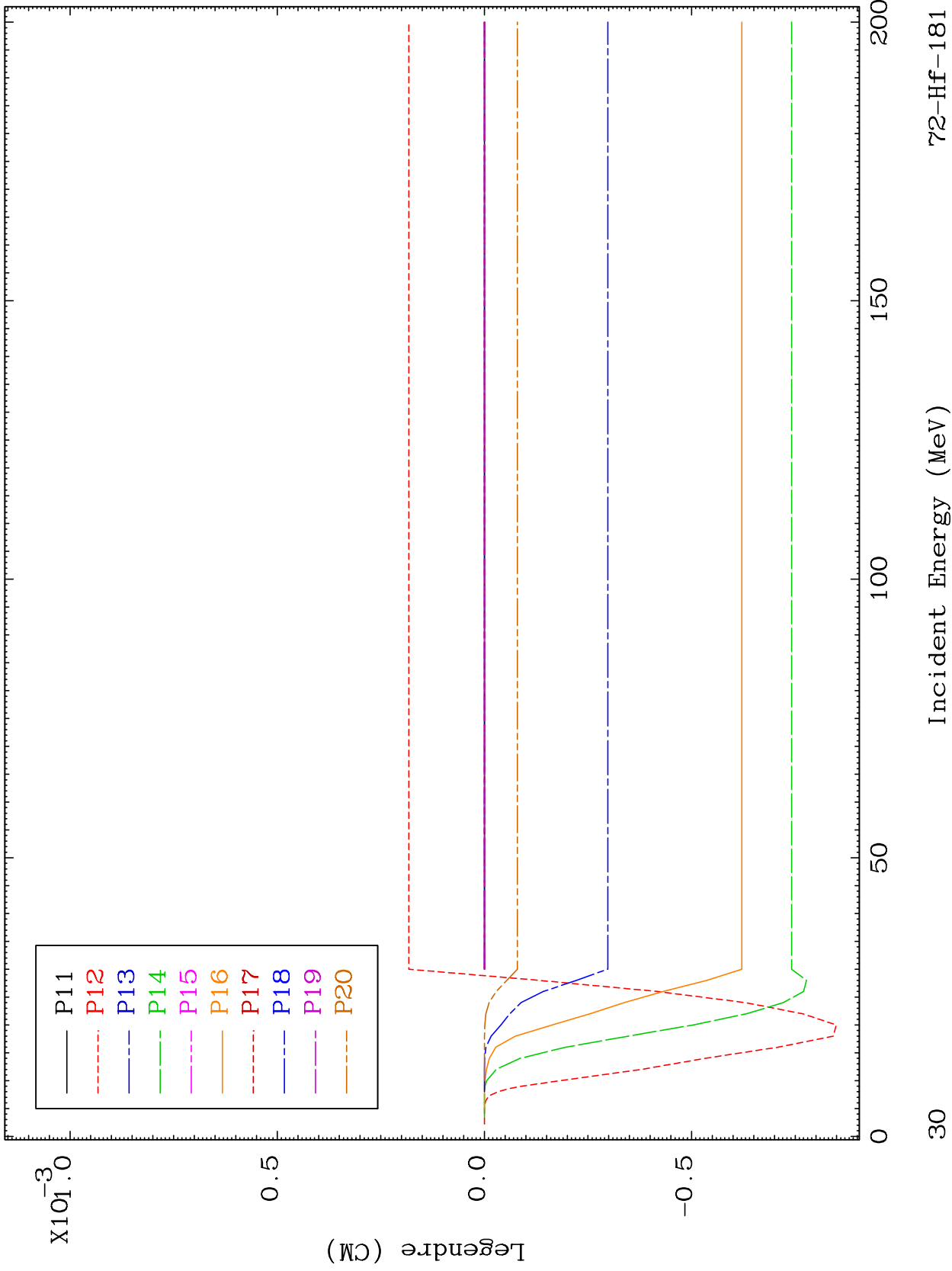




MAT 7246

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

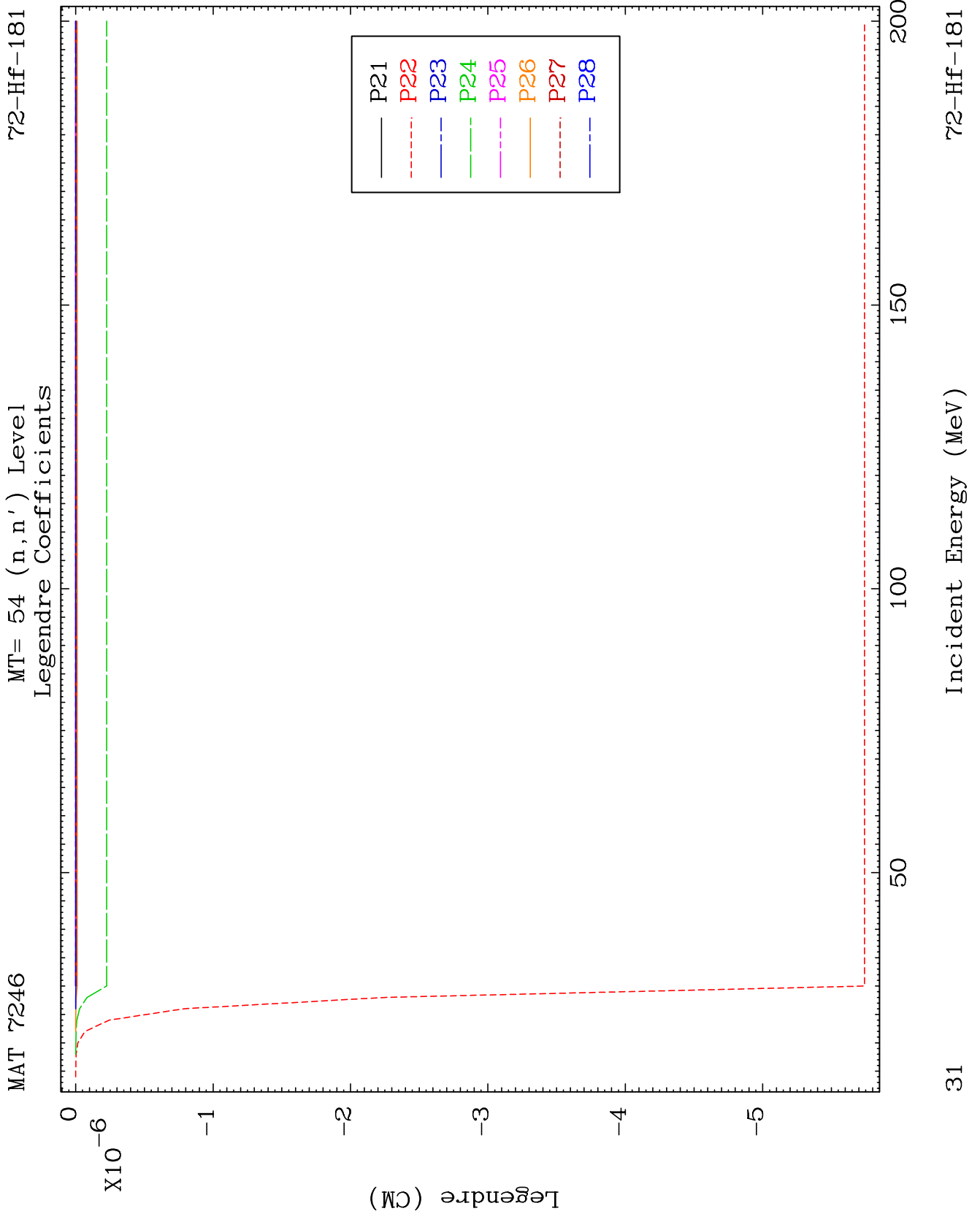
72-Hf-181



72-Hf-181

Incident Energy (MeV)

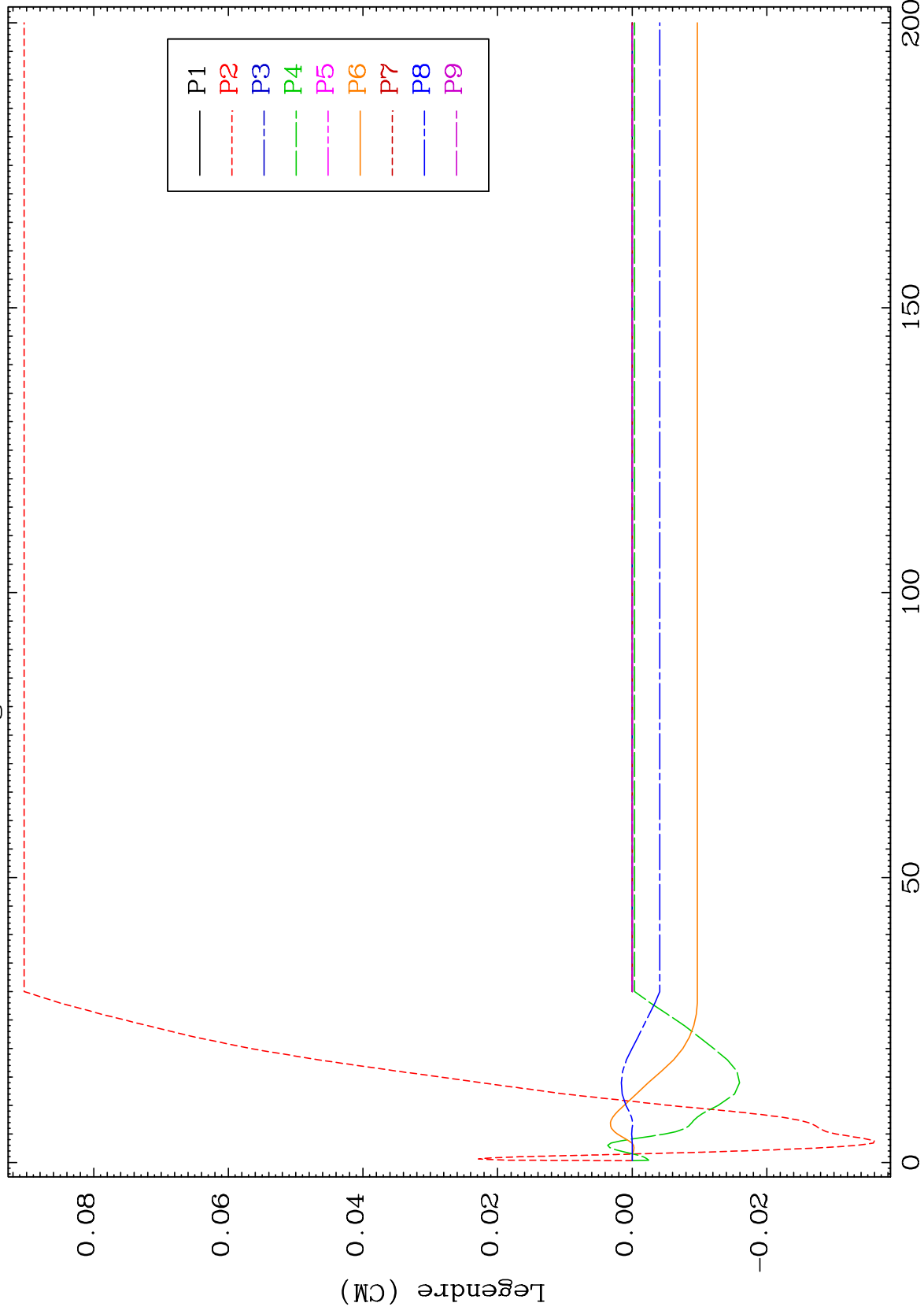
30



MAT 7246

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

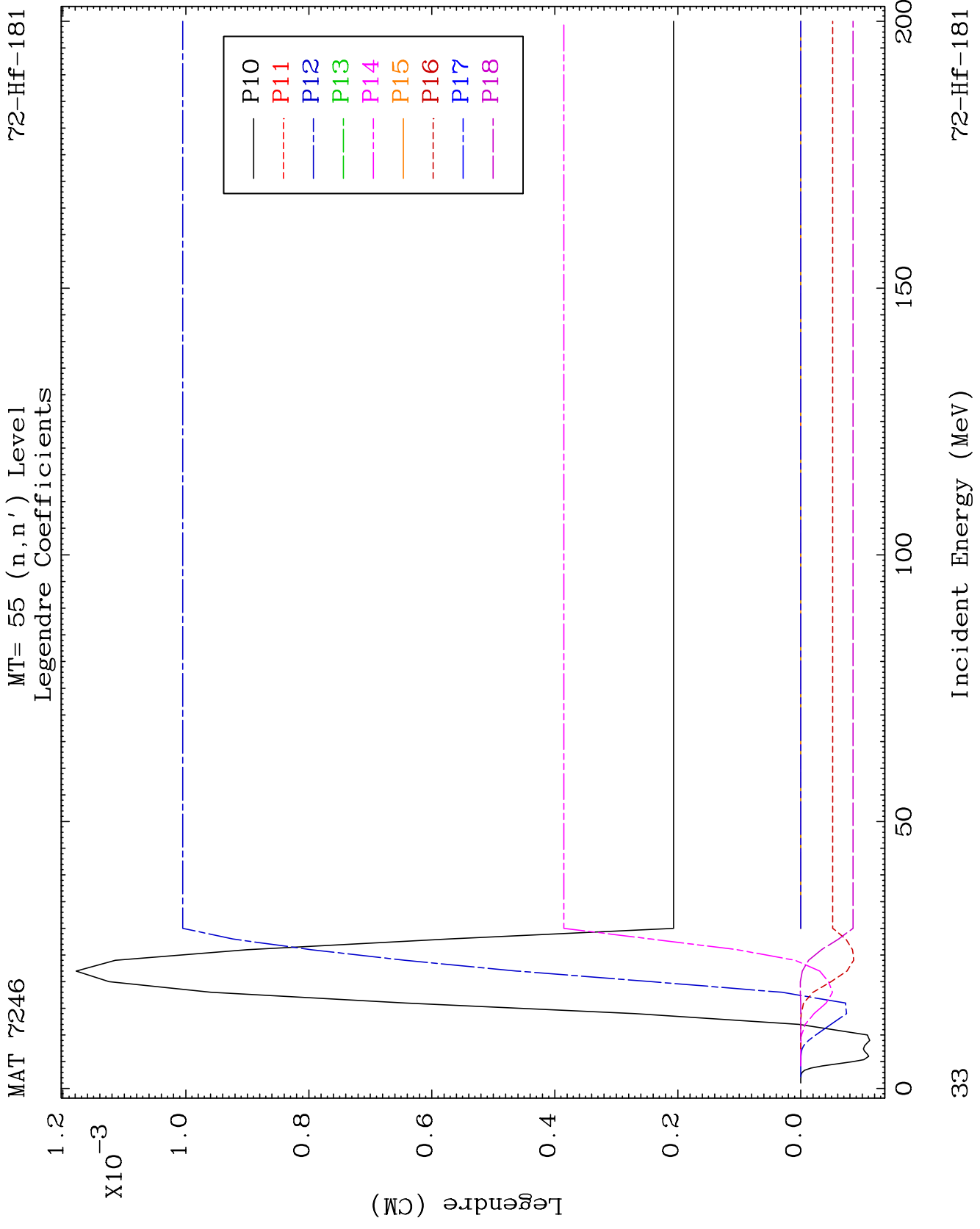
72-Hf-181



72-Hf-181

Incident Energy (MeV)

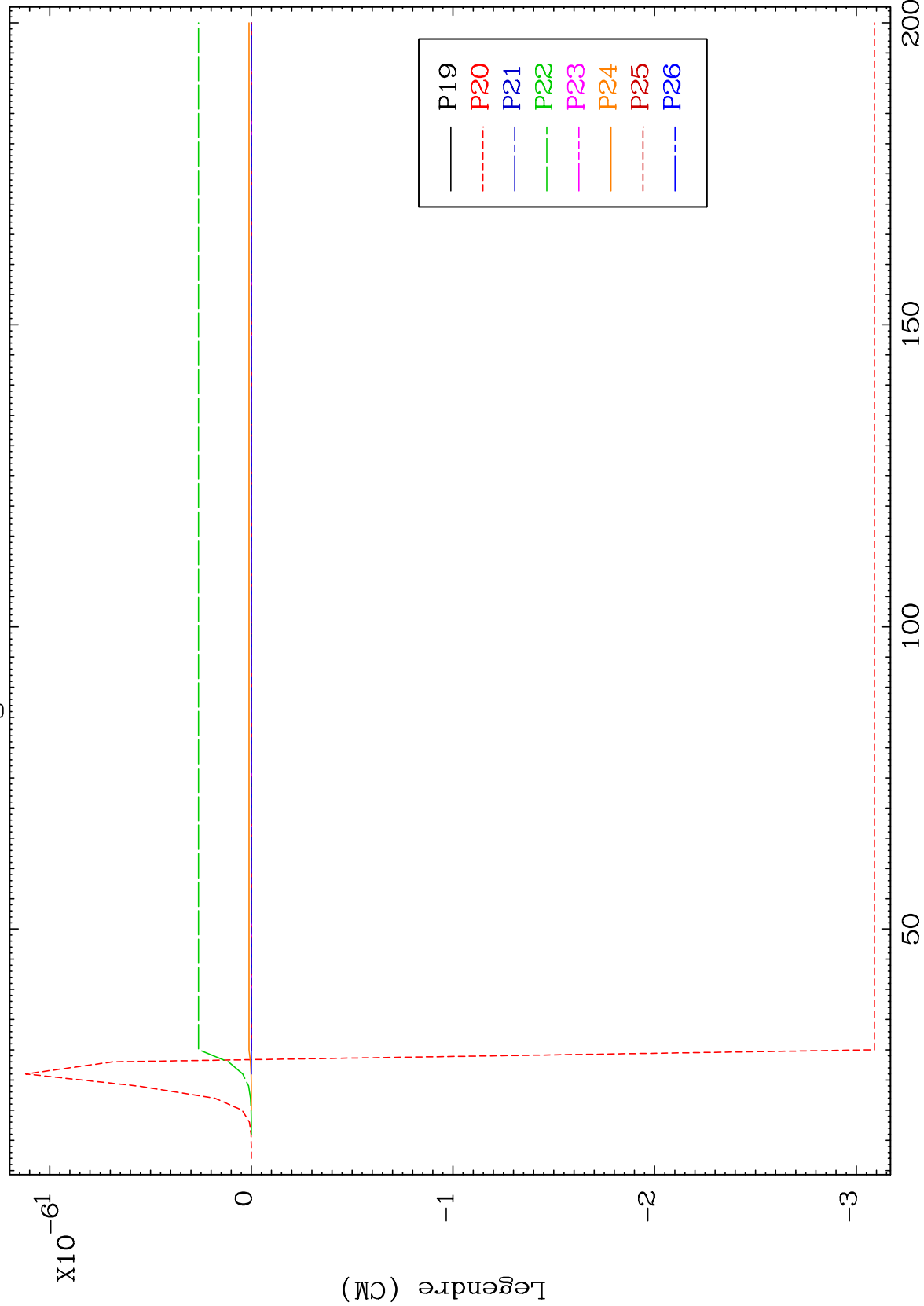
32



MAT 7246

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

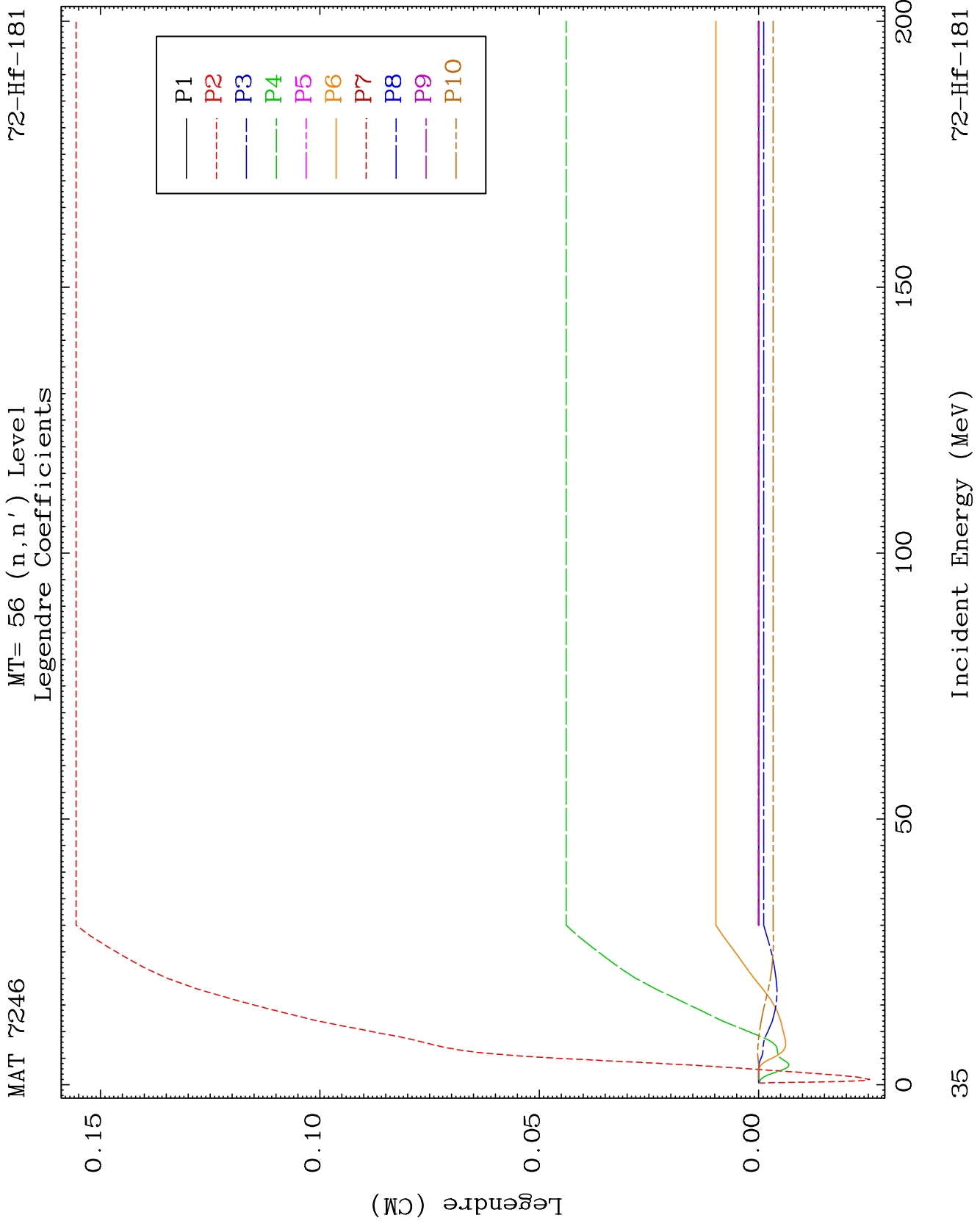
72-Hf-181



34

Incident Energy (MeV)

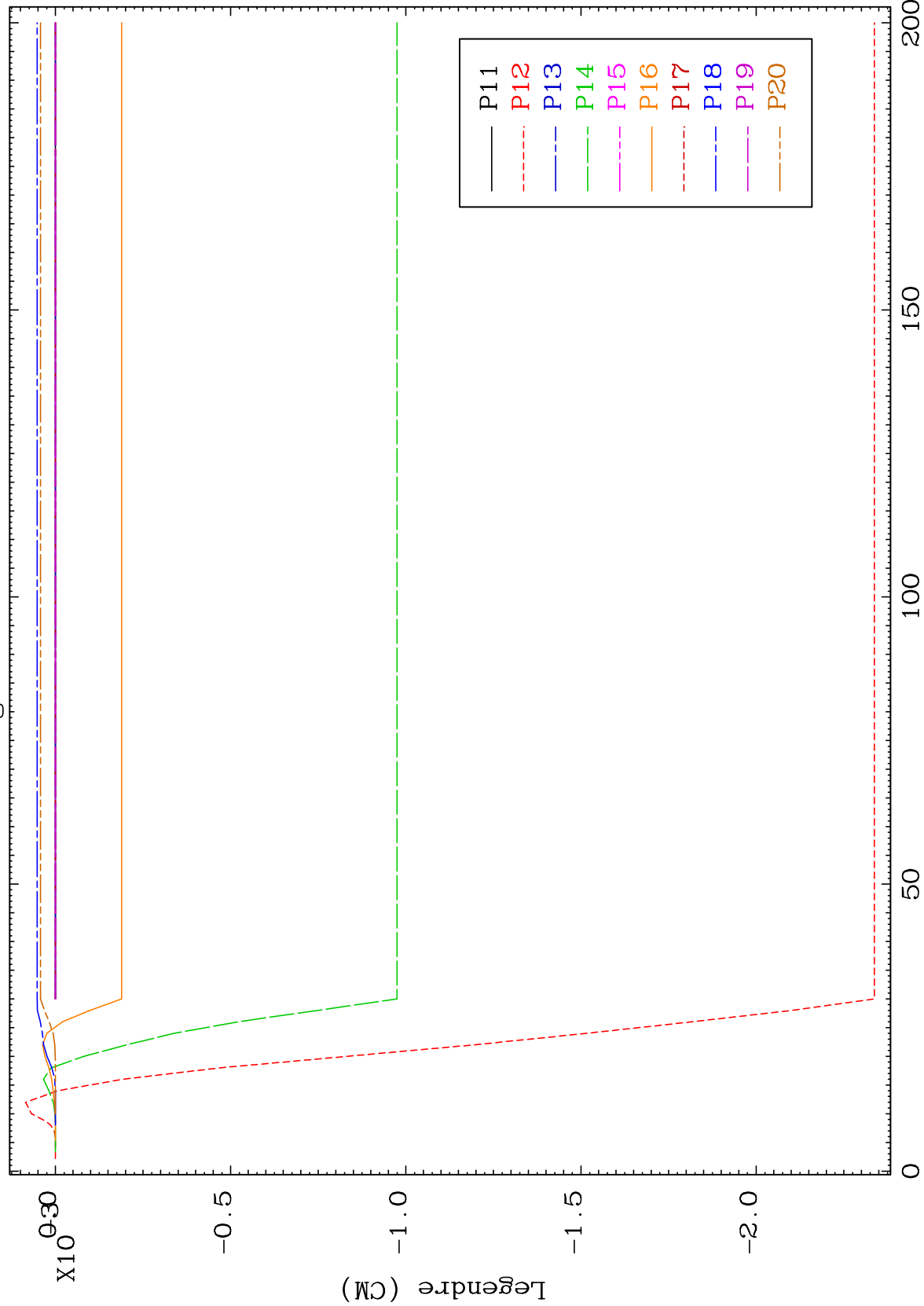
72-Hf-181



MAT 7246

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

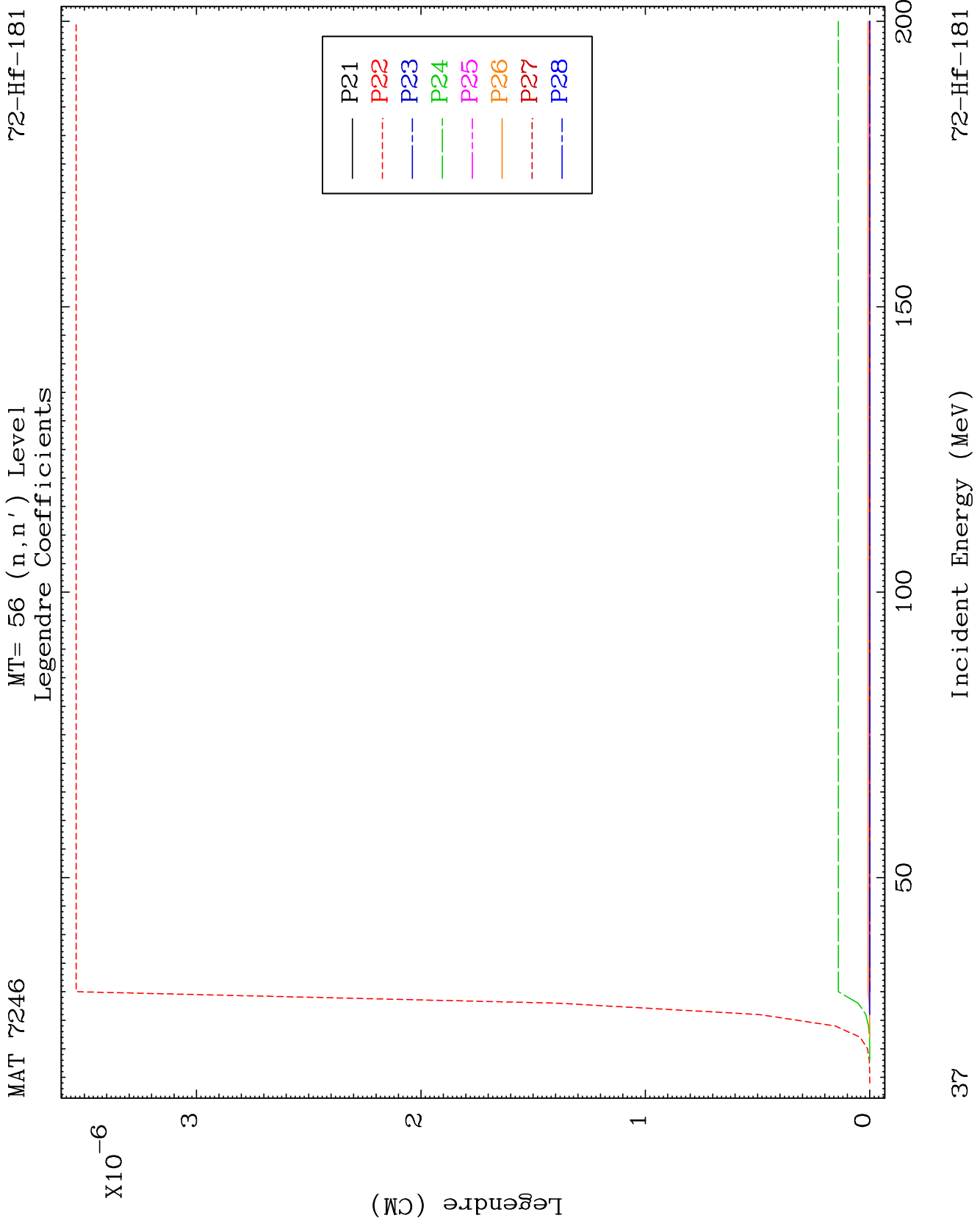
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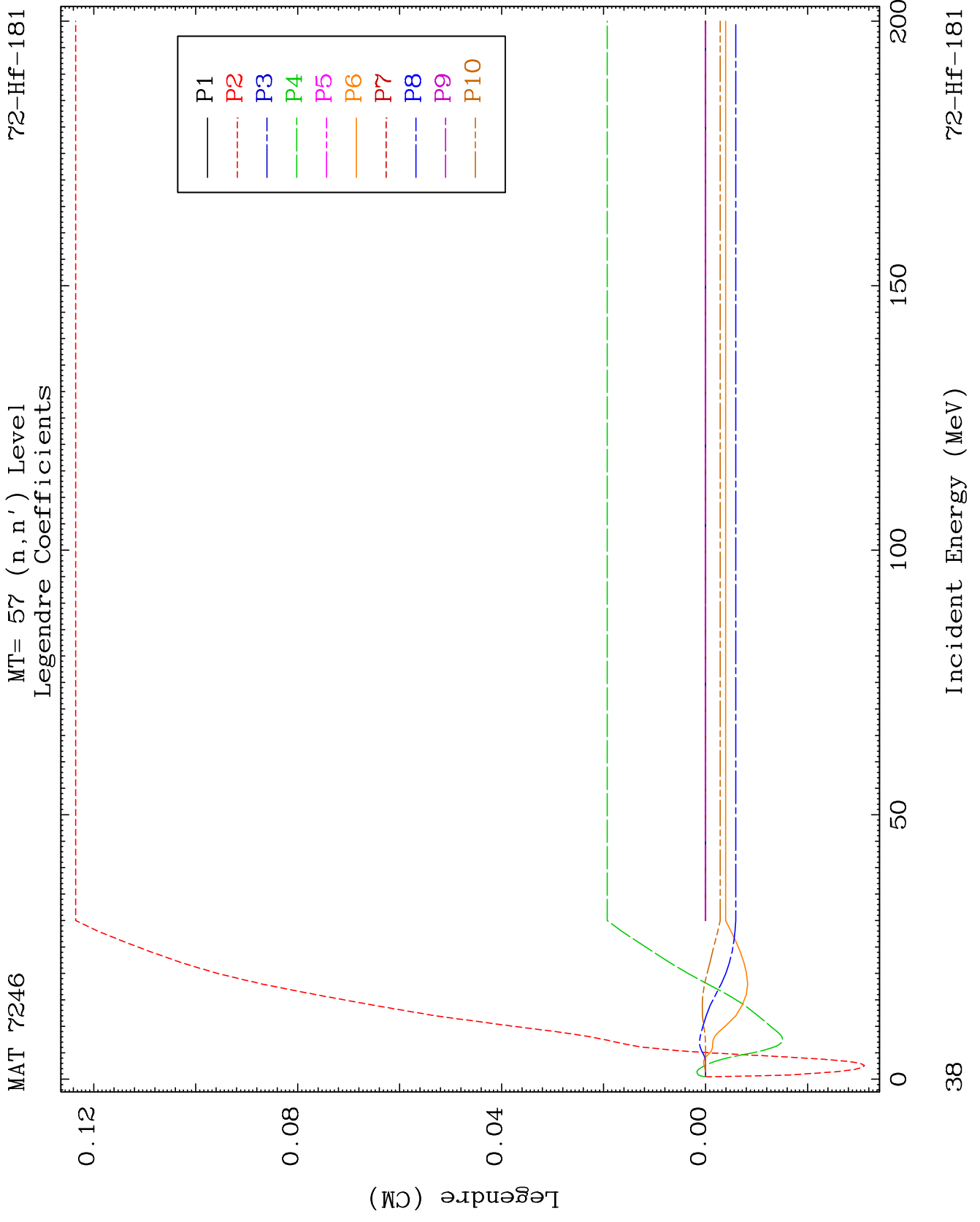


36

Incident Energy (MeV)

72-Hf-181

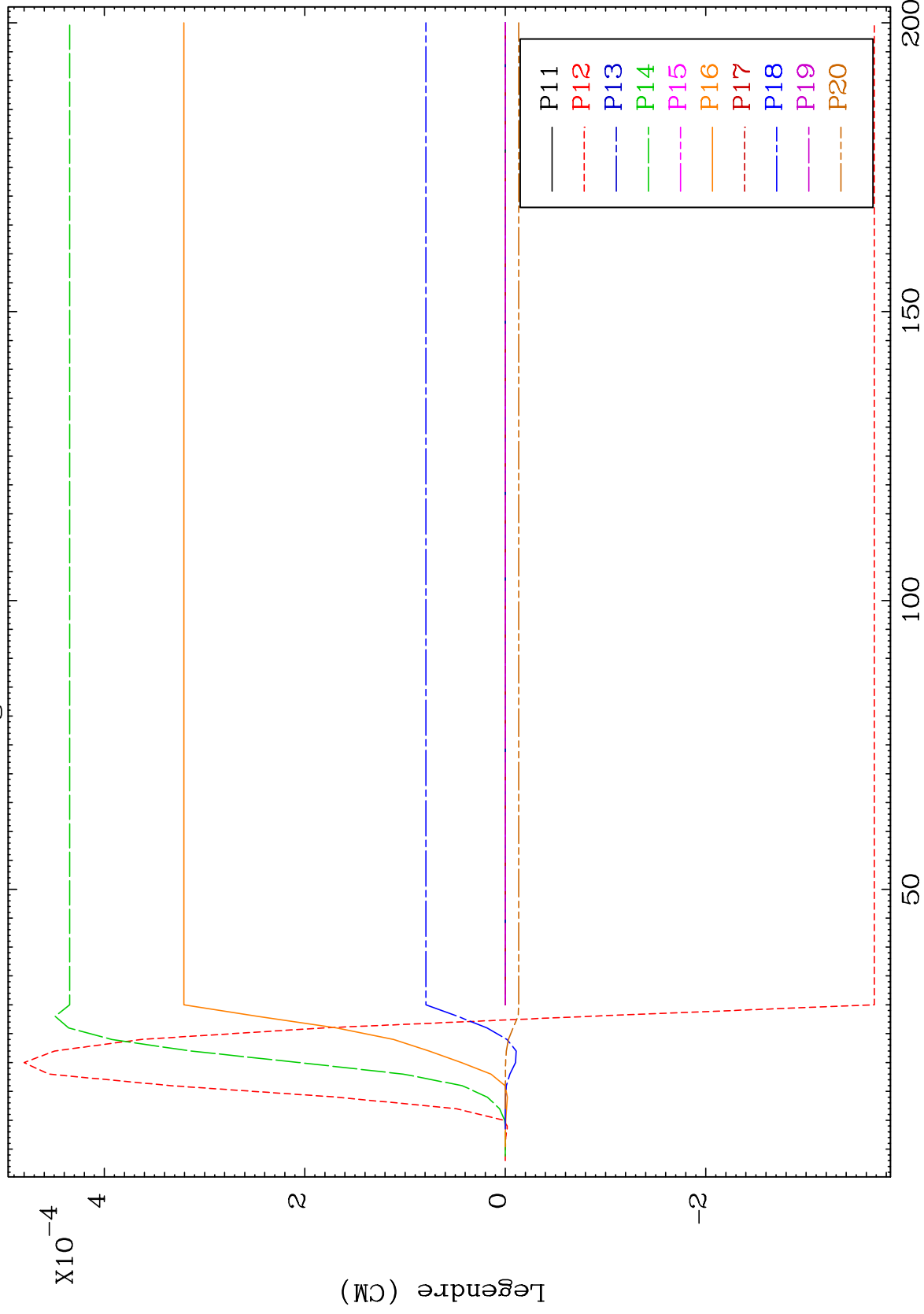




MAT 7246

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

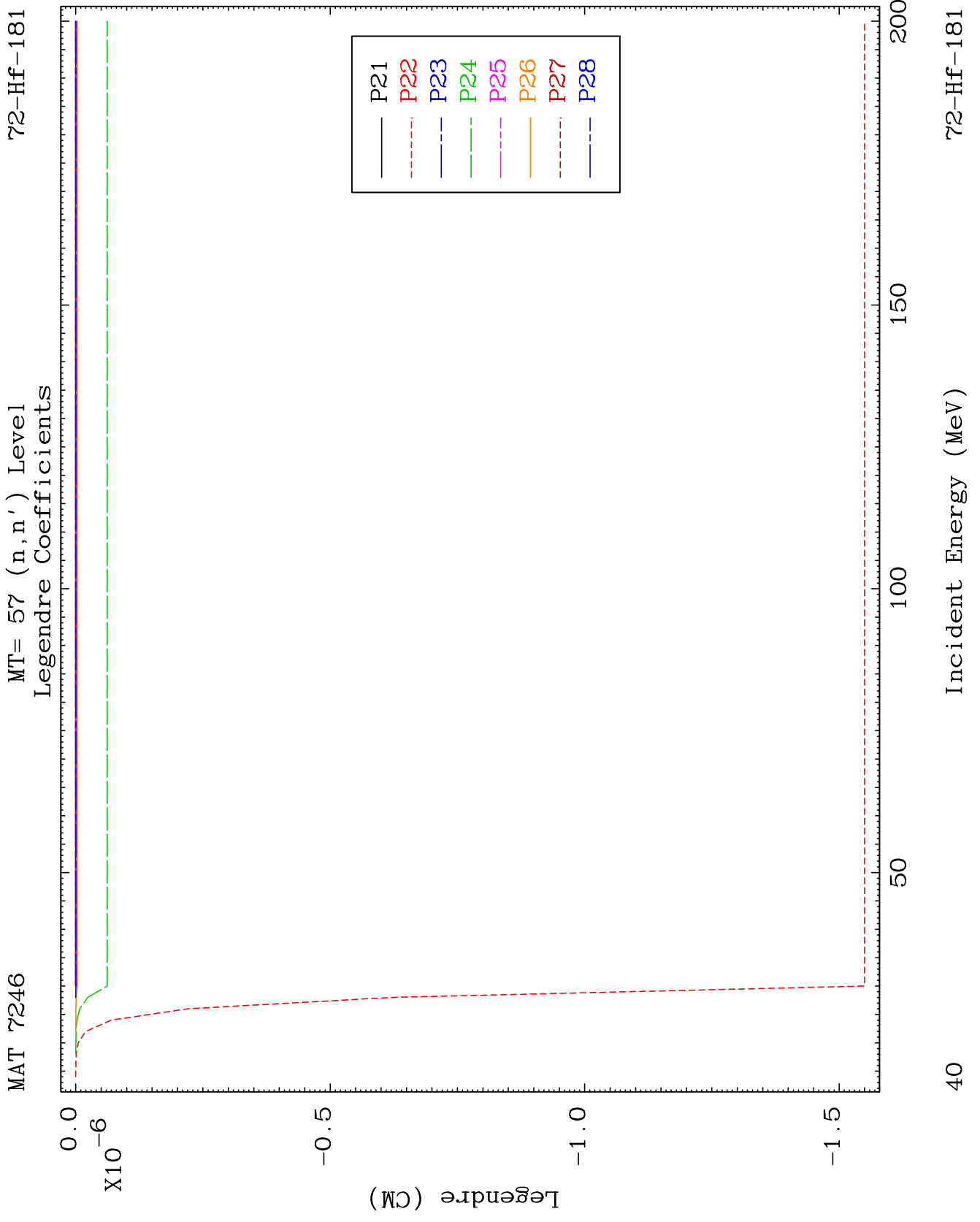
72-Hf-181



39

Incident Energy (MeV)

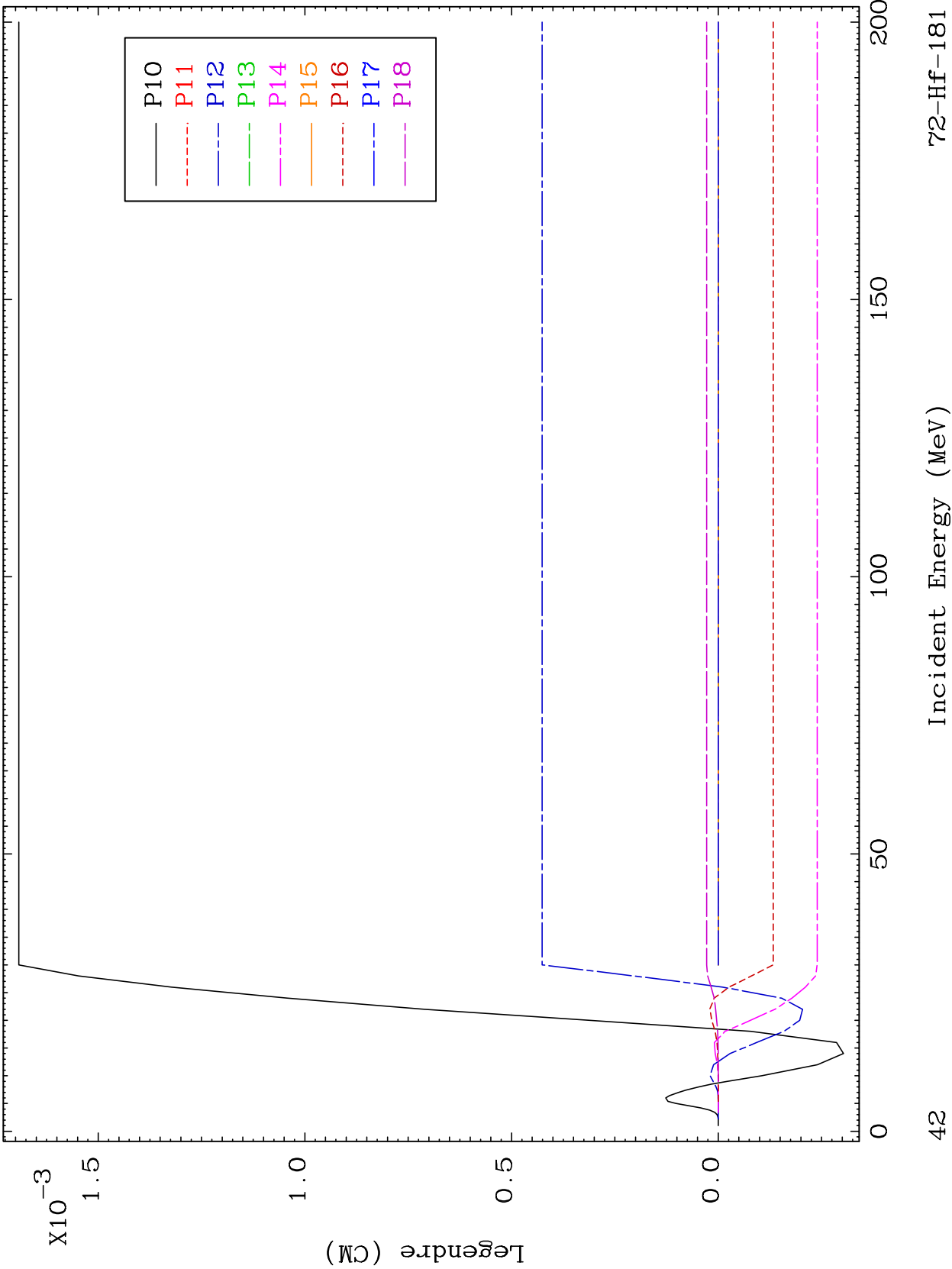
72-Hf-181



MAT 7246

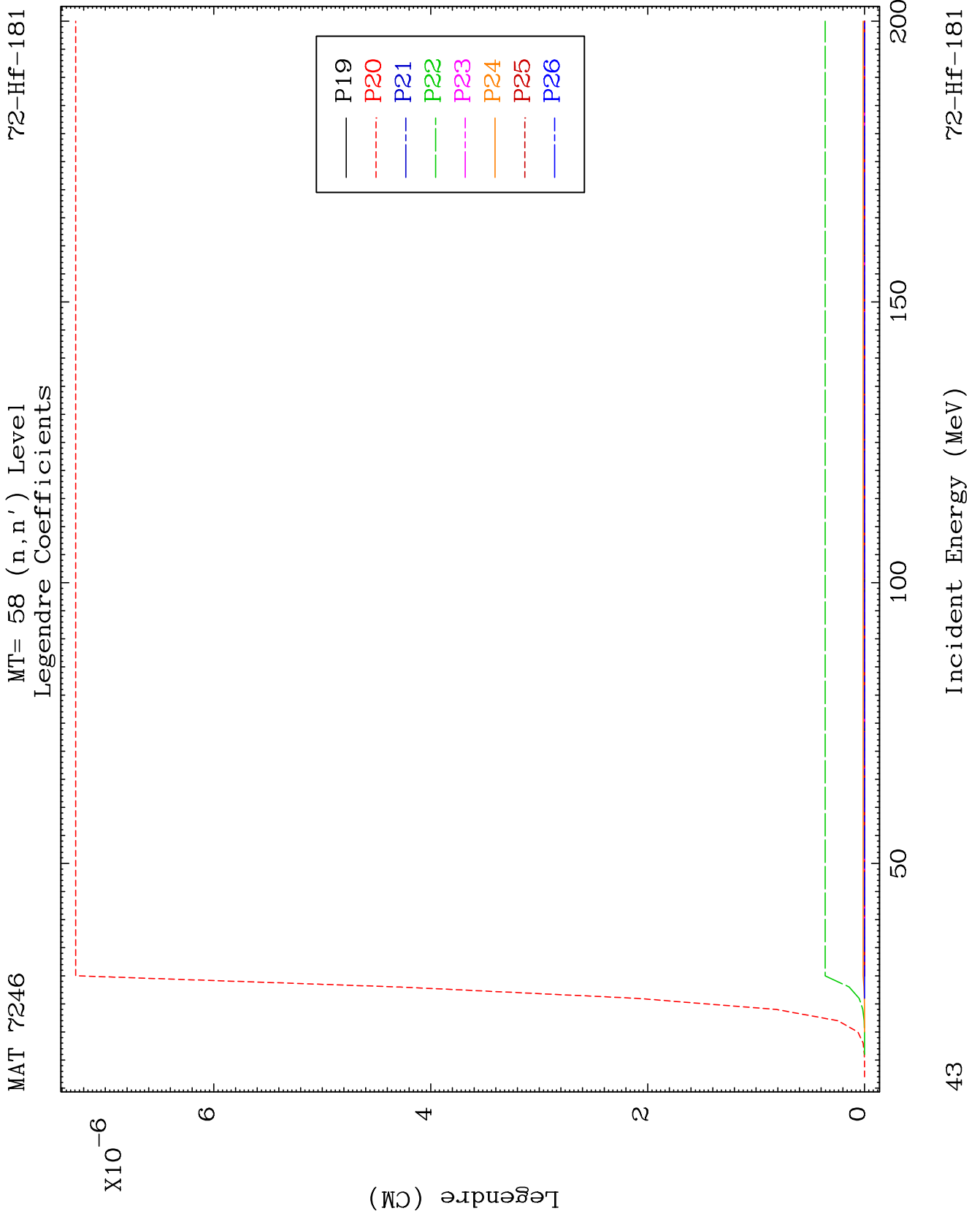
MT= 58 (n,n') Level
Legendre Coefficients

72-Hf-181



42

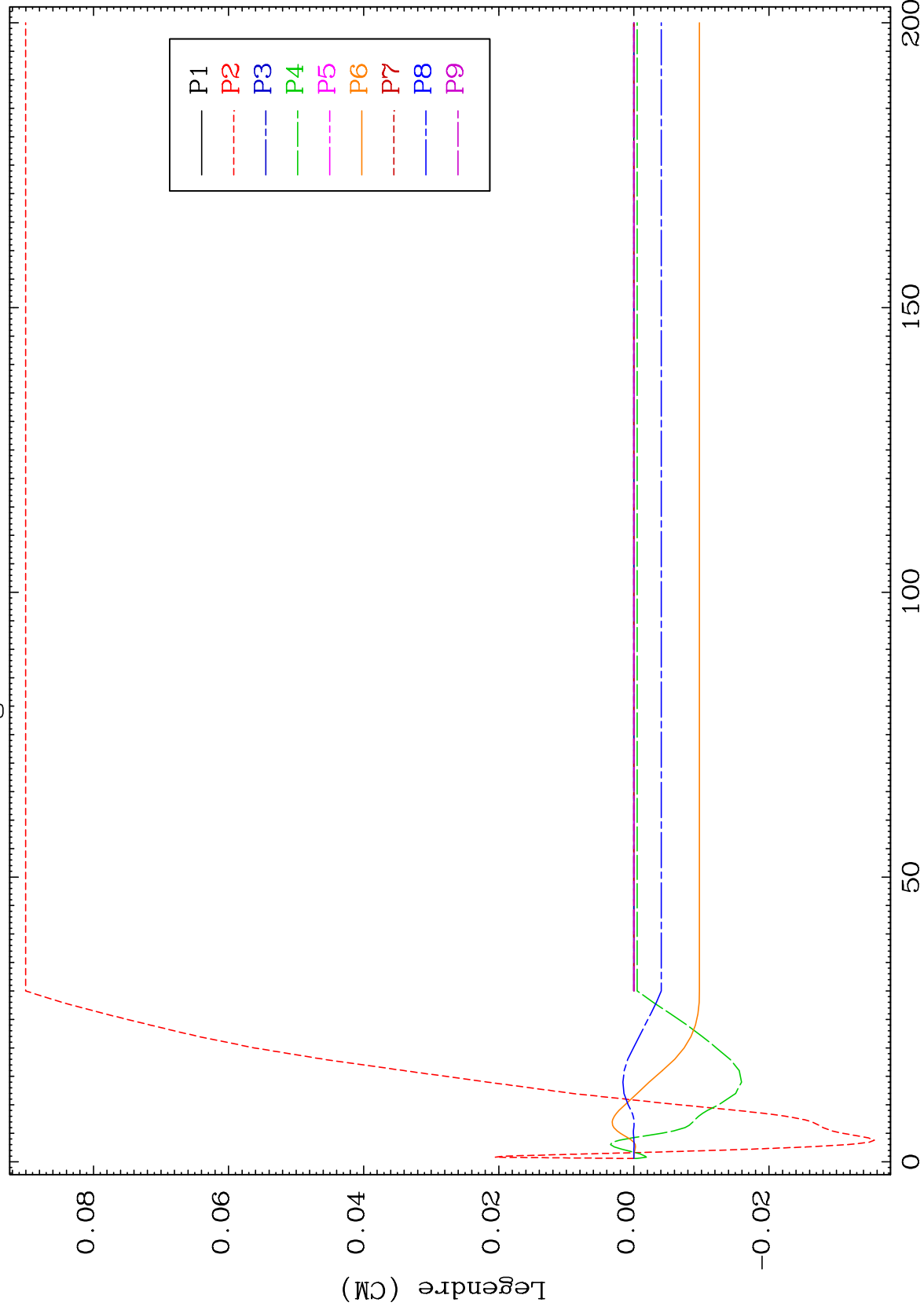
72-Hf-181



MAT 7246

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

72-Hf-181



44

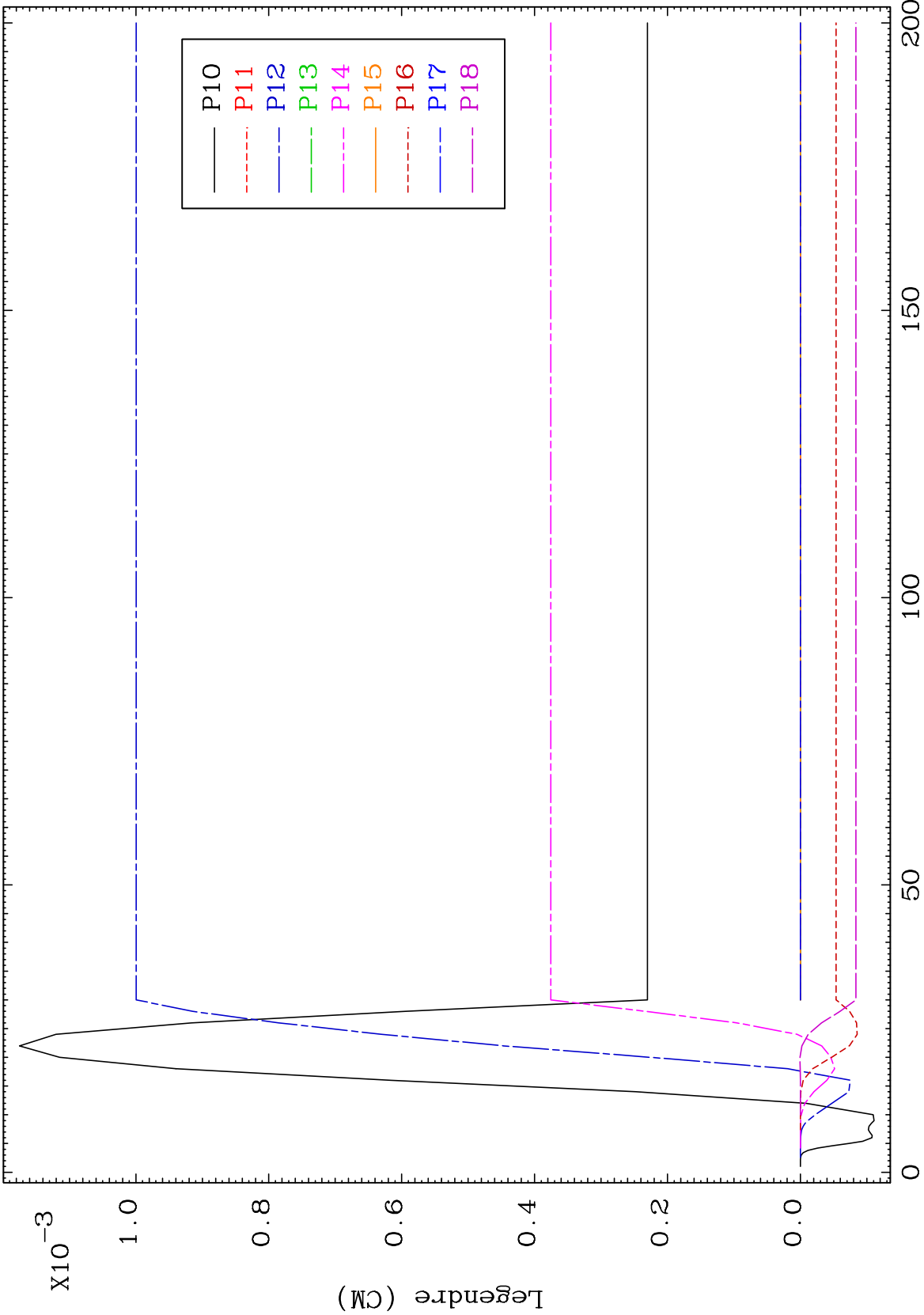
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

72-Hf-181



45

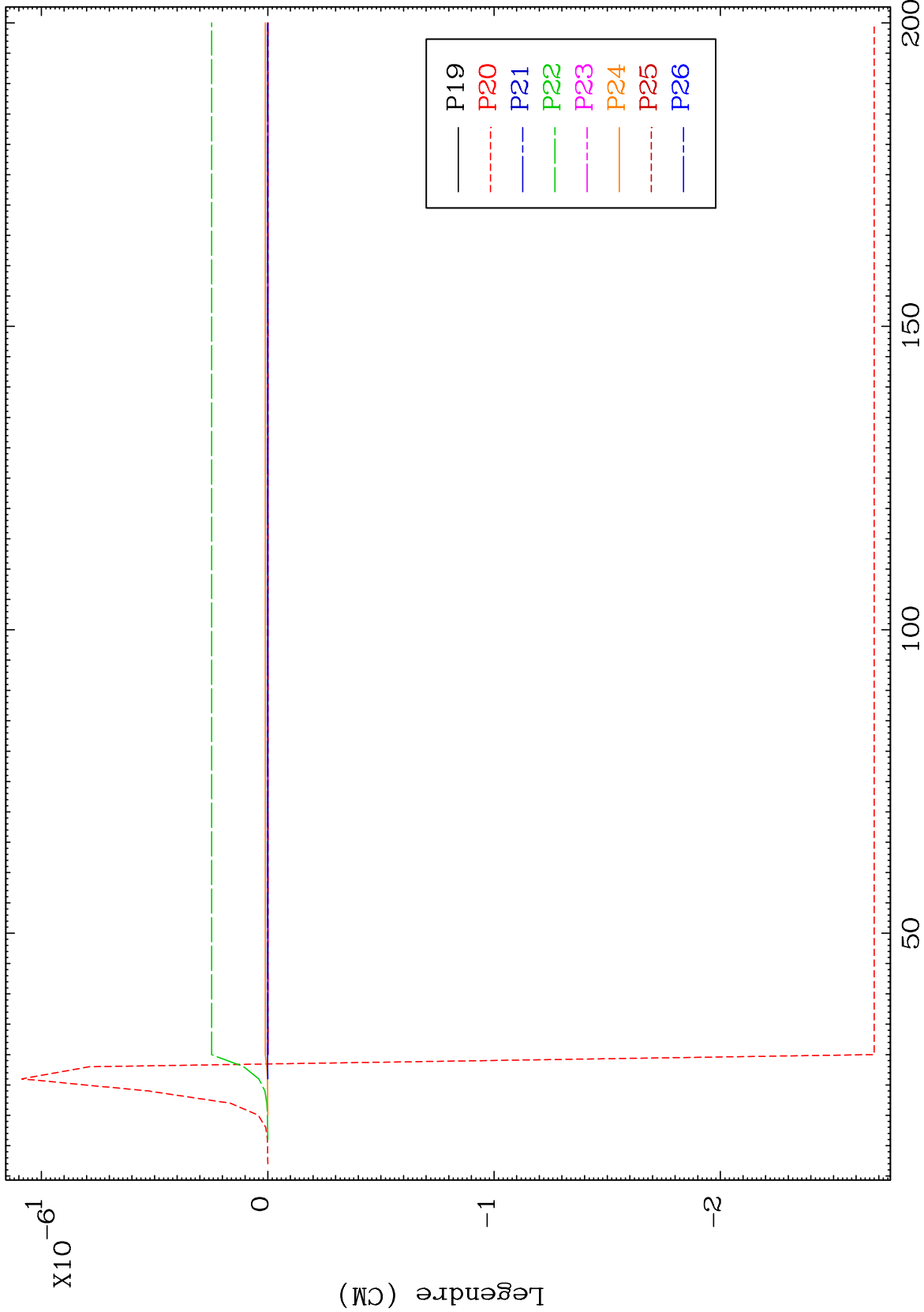
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

72-Hf-181



46

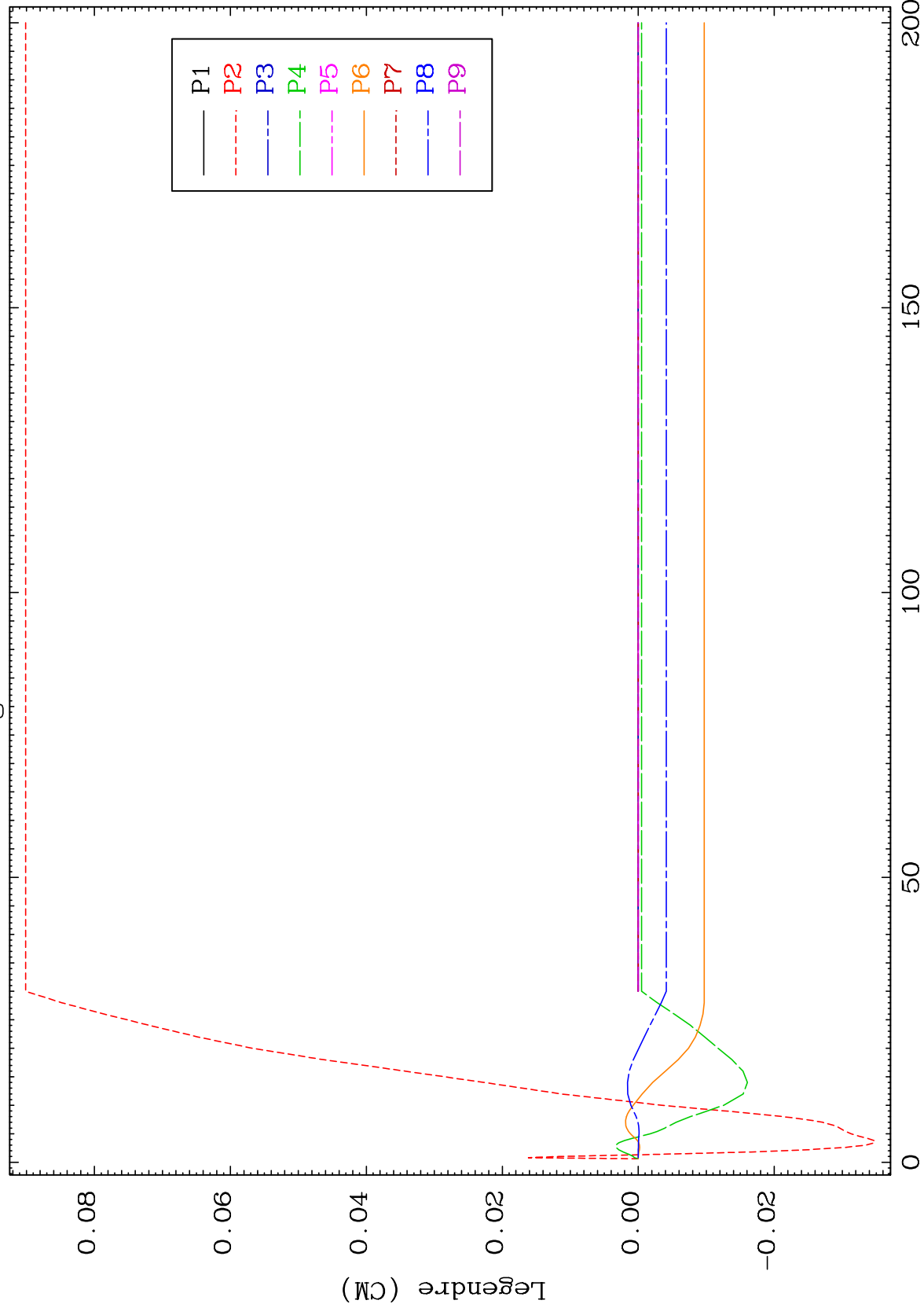
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

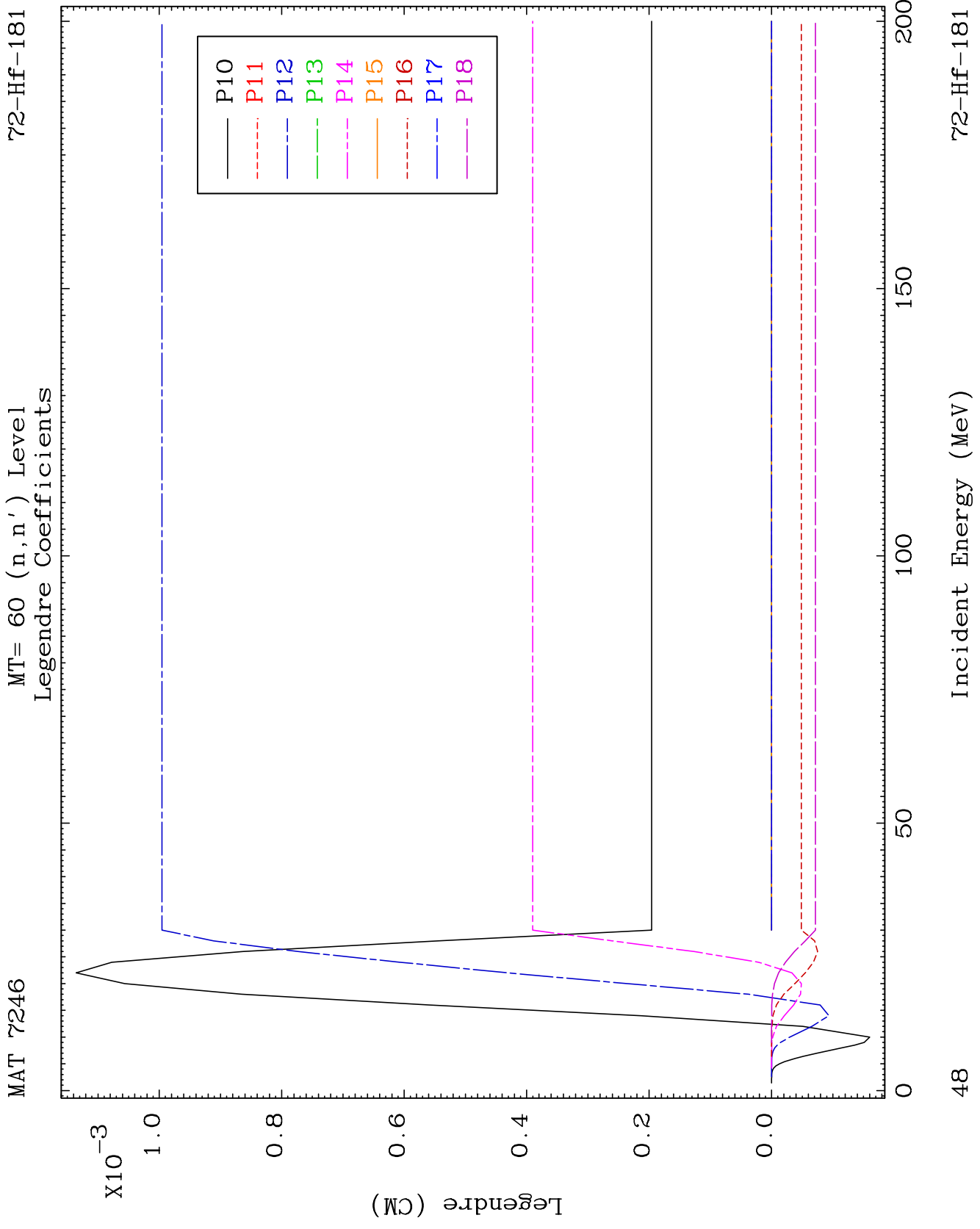
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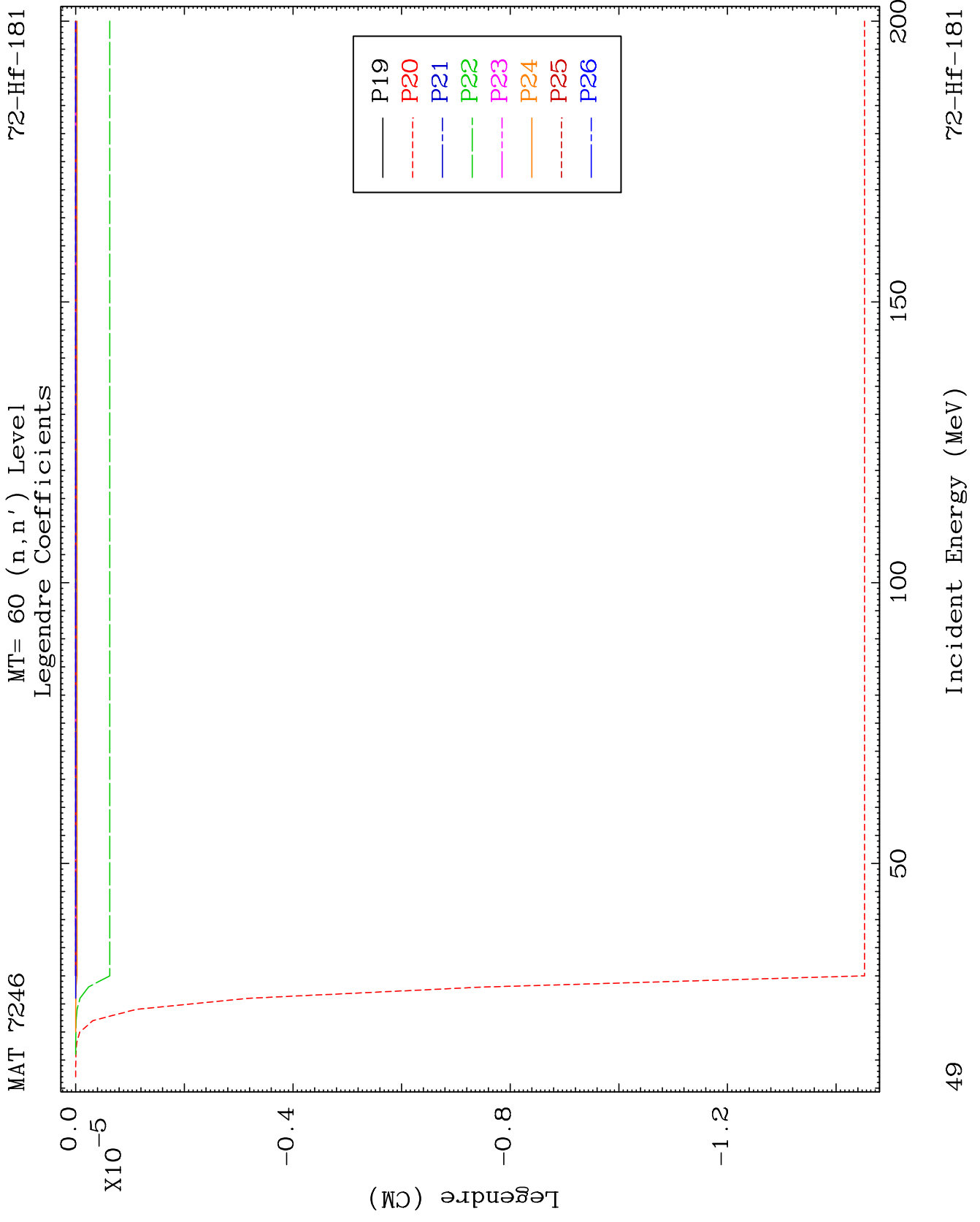


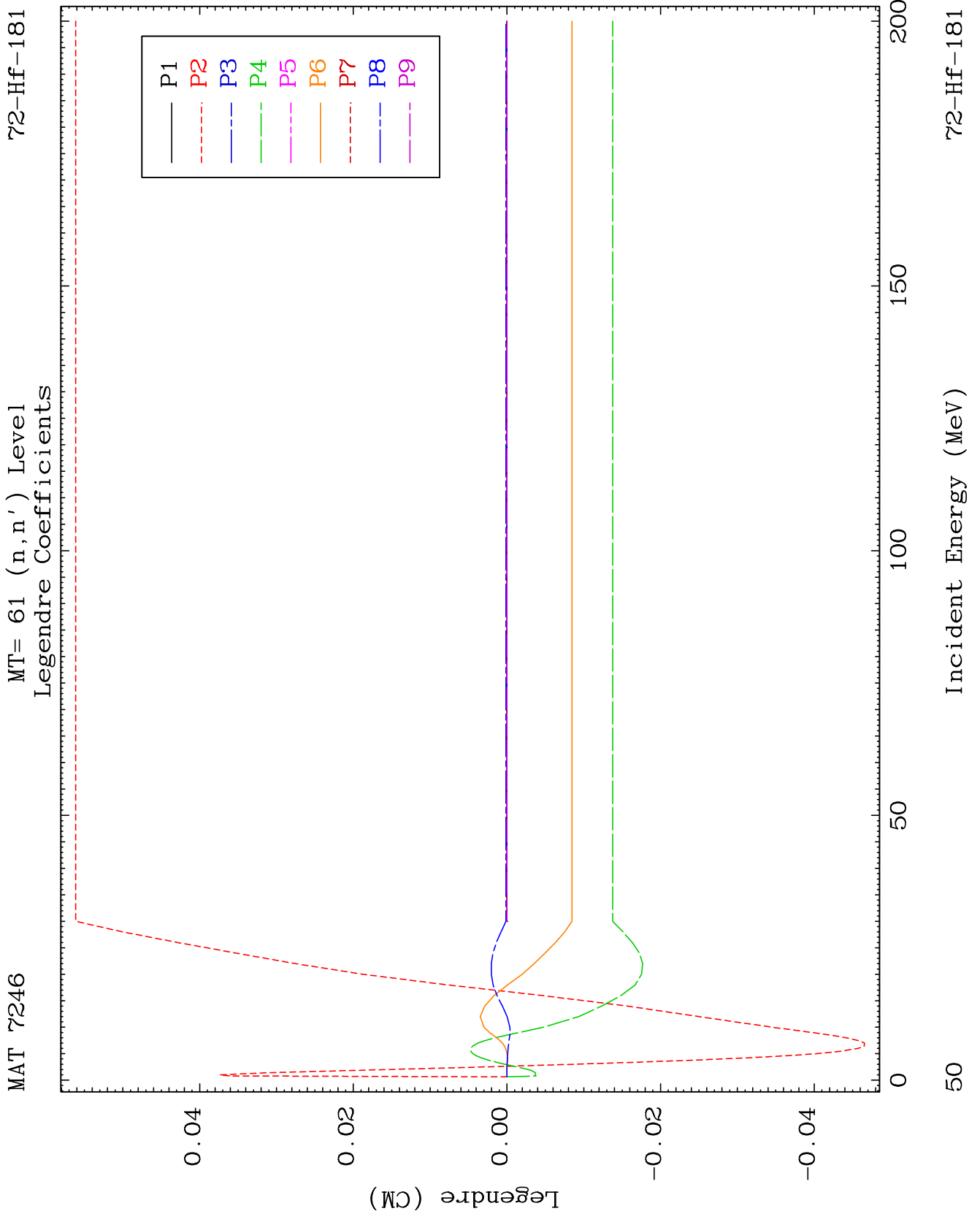
47

Incident Energy (MeV)

72-Hf-181



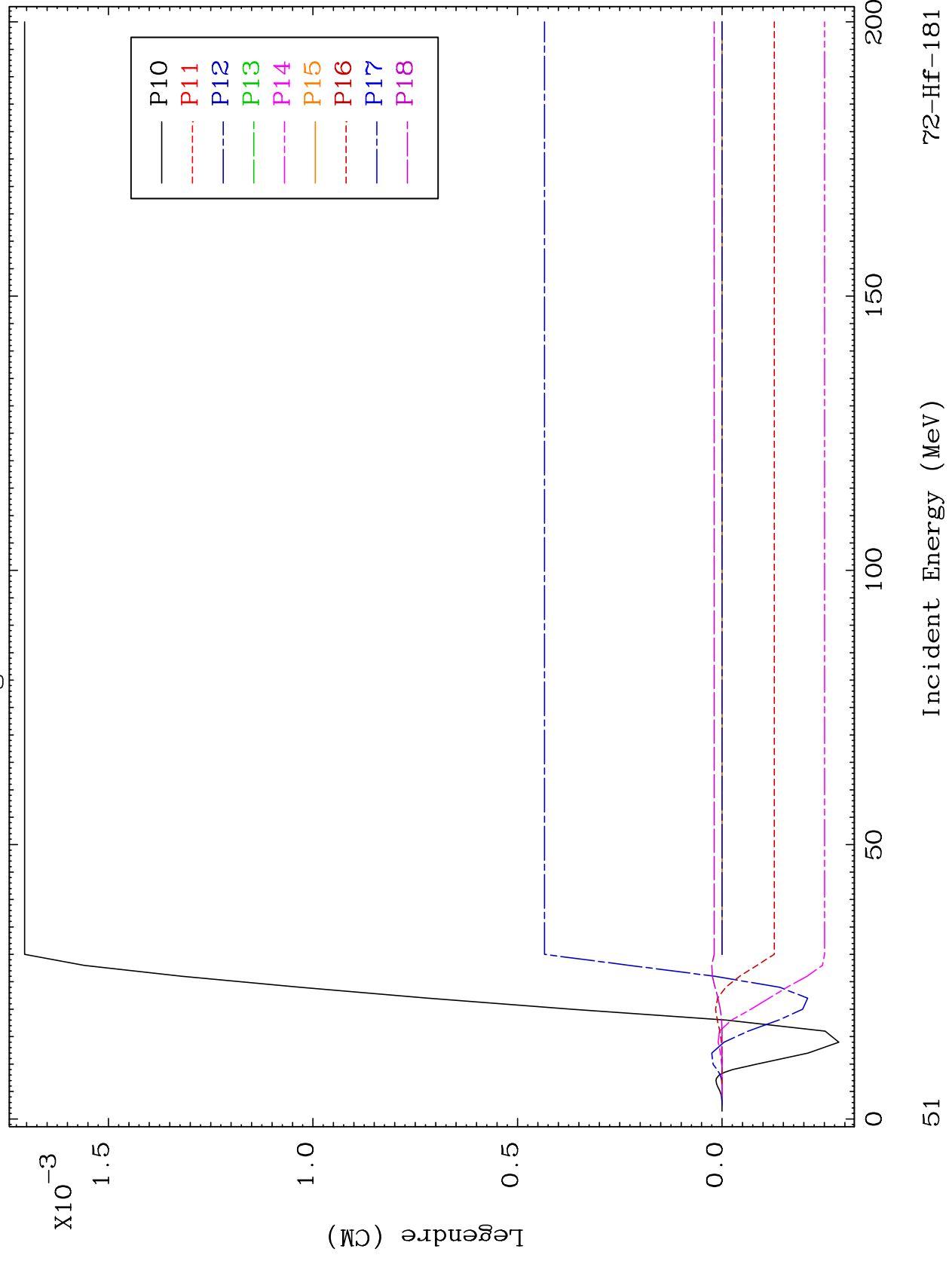




MAT 7246

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

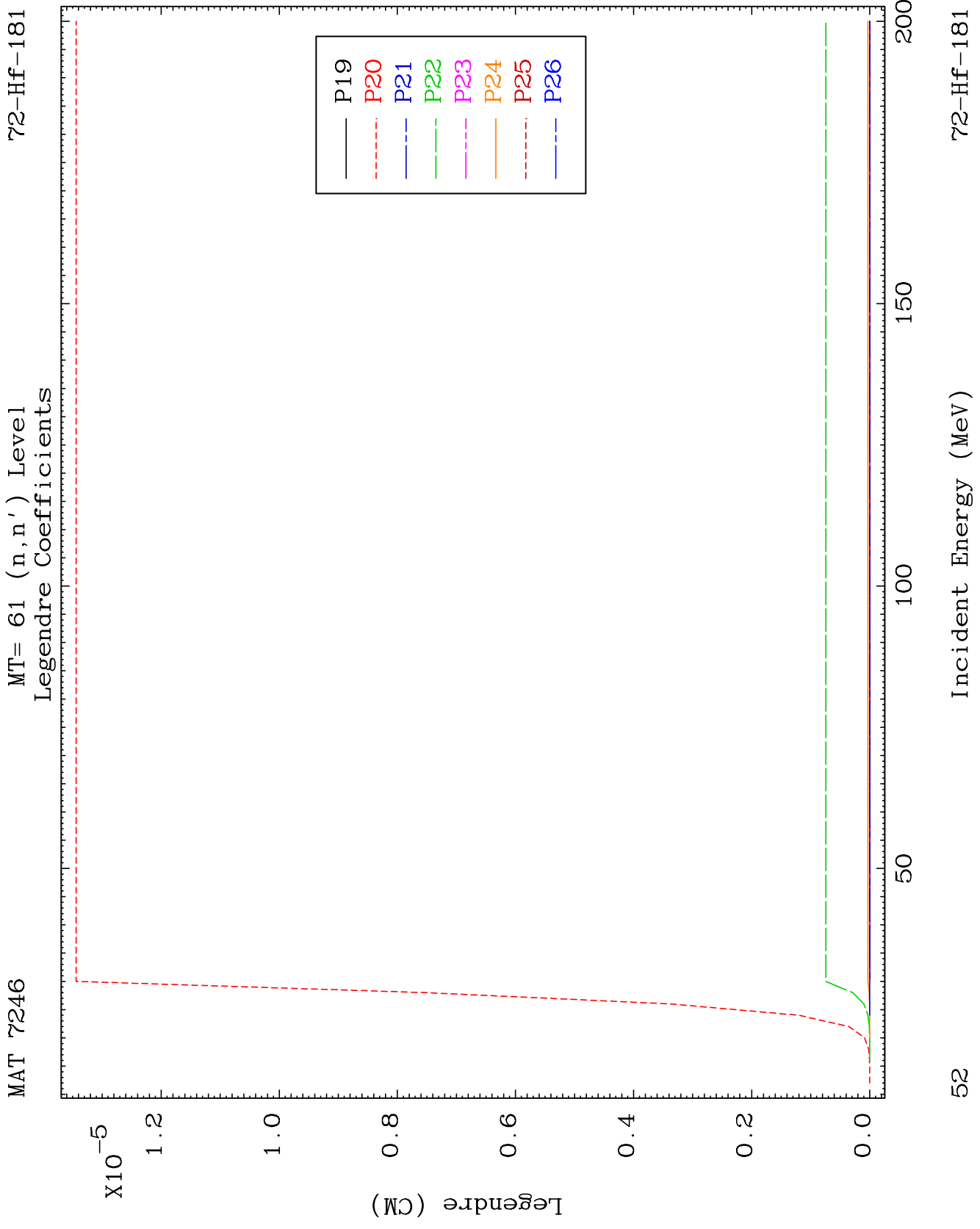
72-Hf-181



51

Incident Energy (MeV)

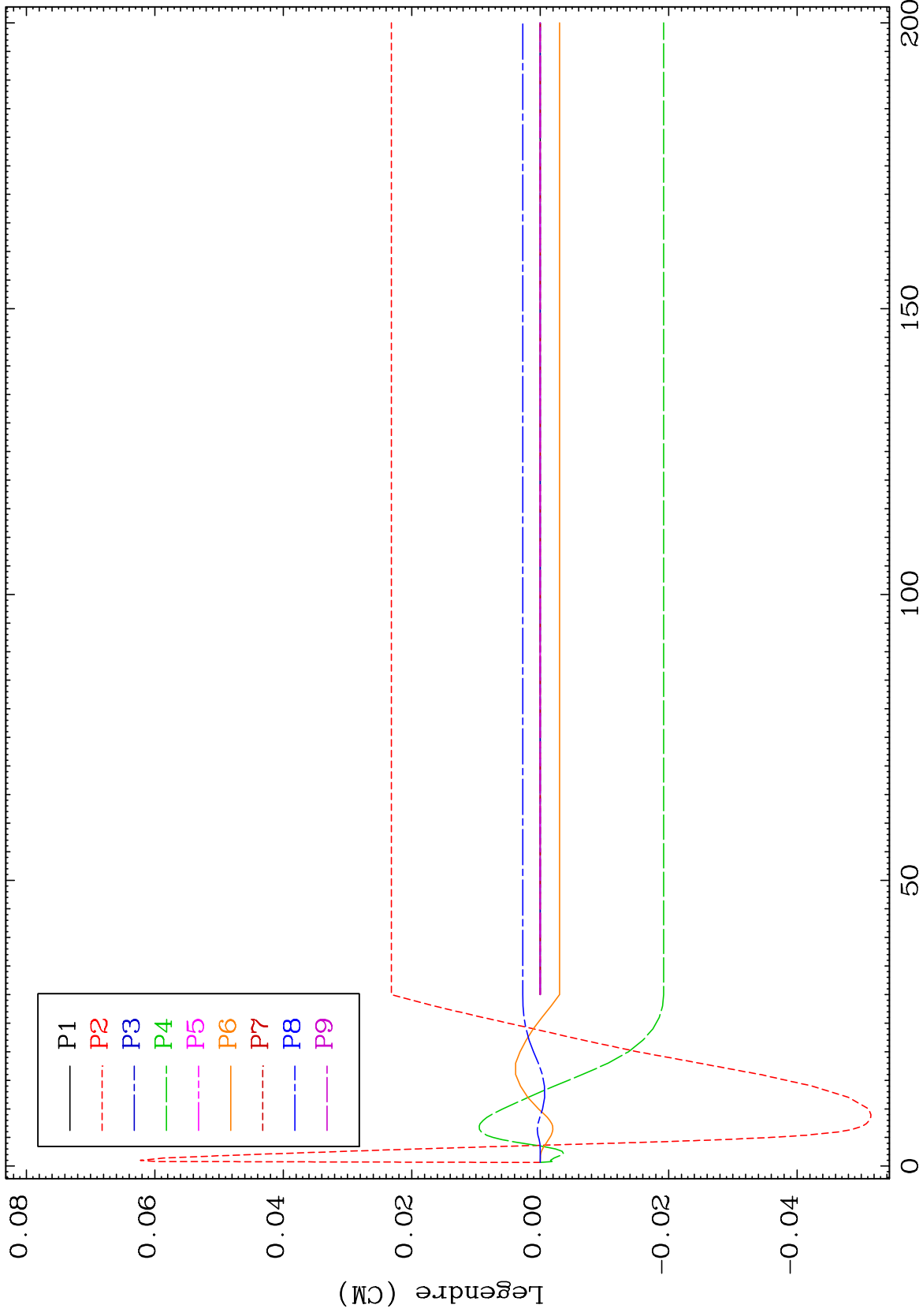
72-Hf-181



MAT 7246

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

72-Hf-181



53

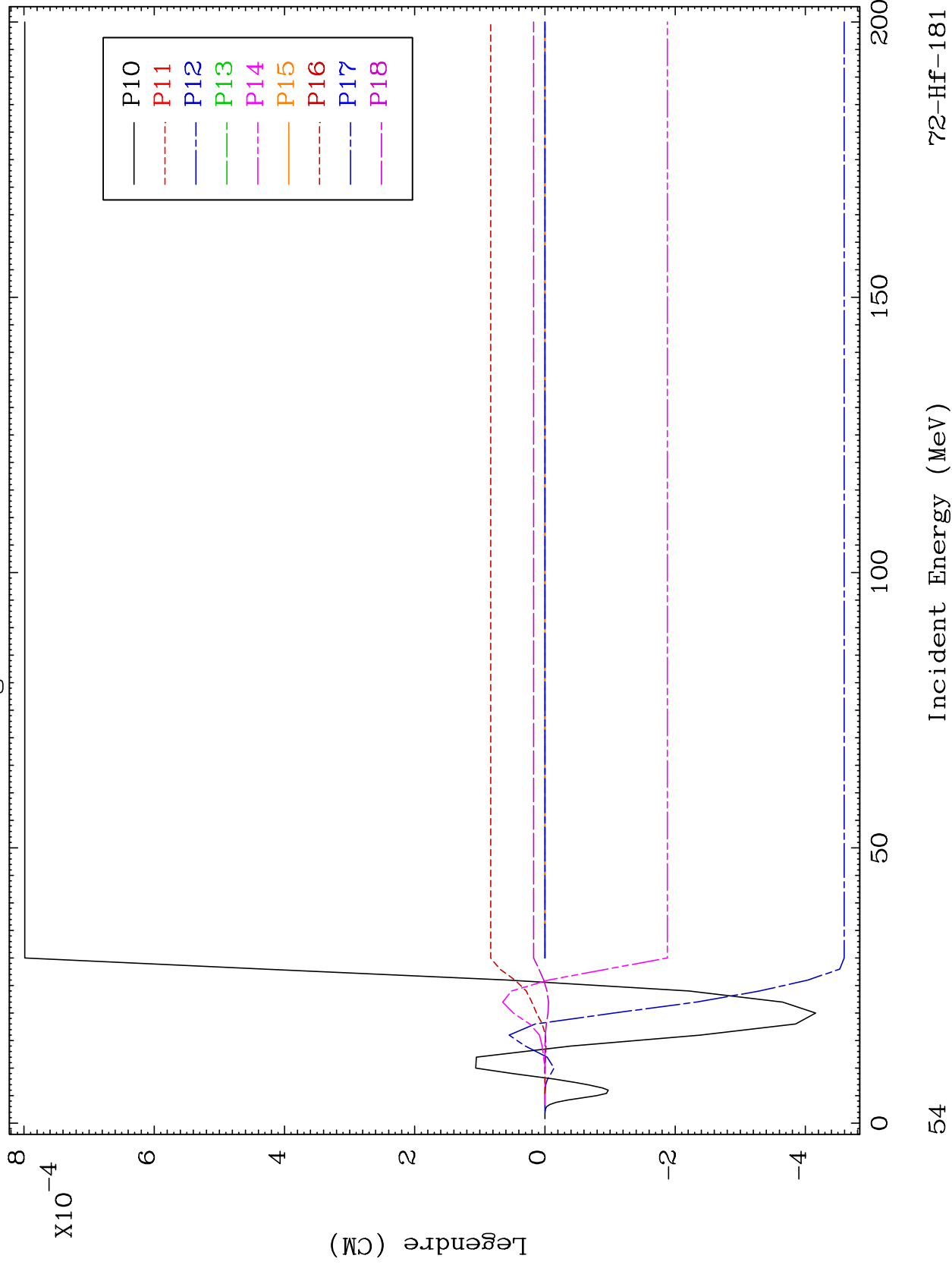
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

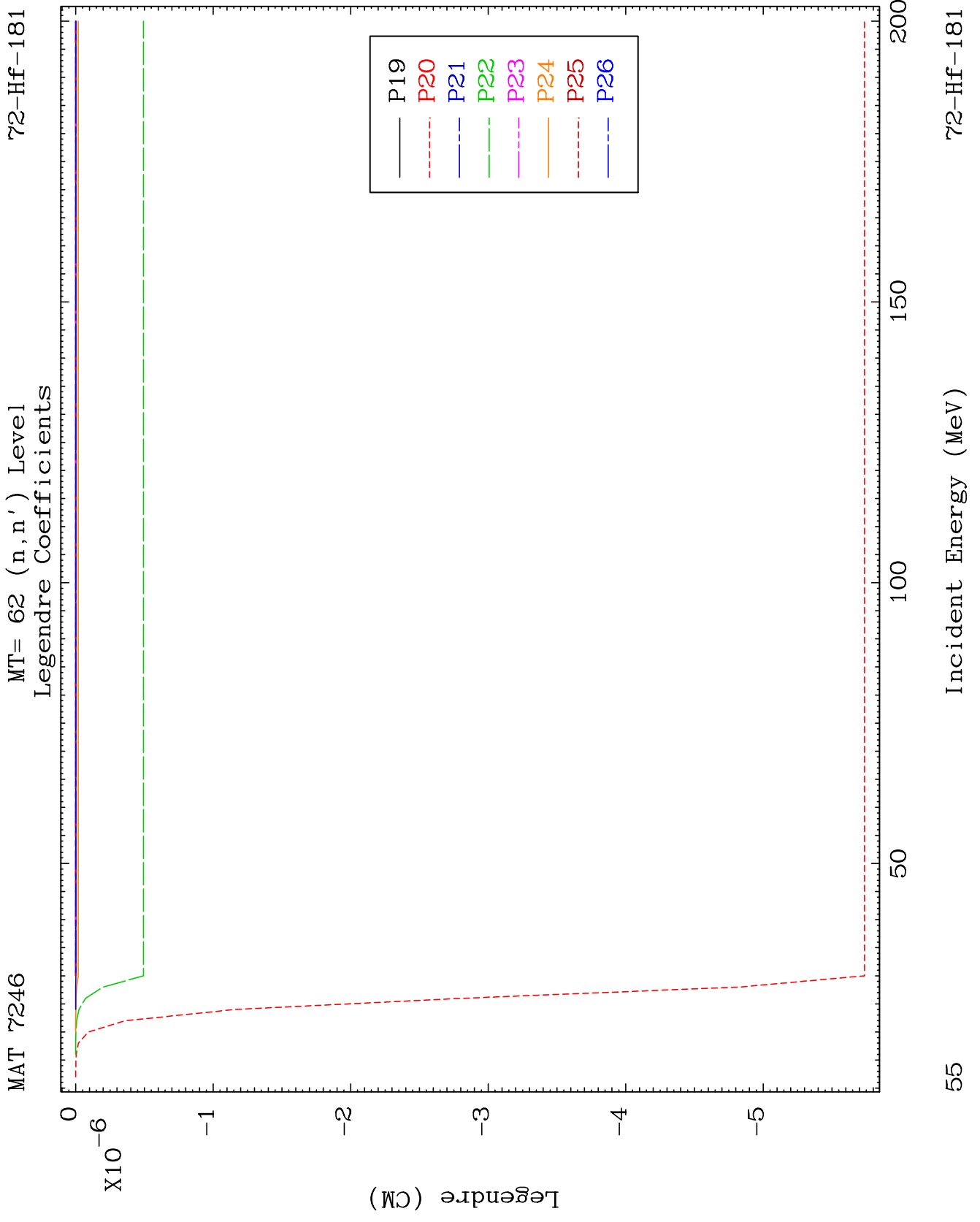
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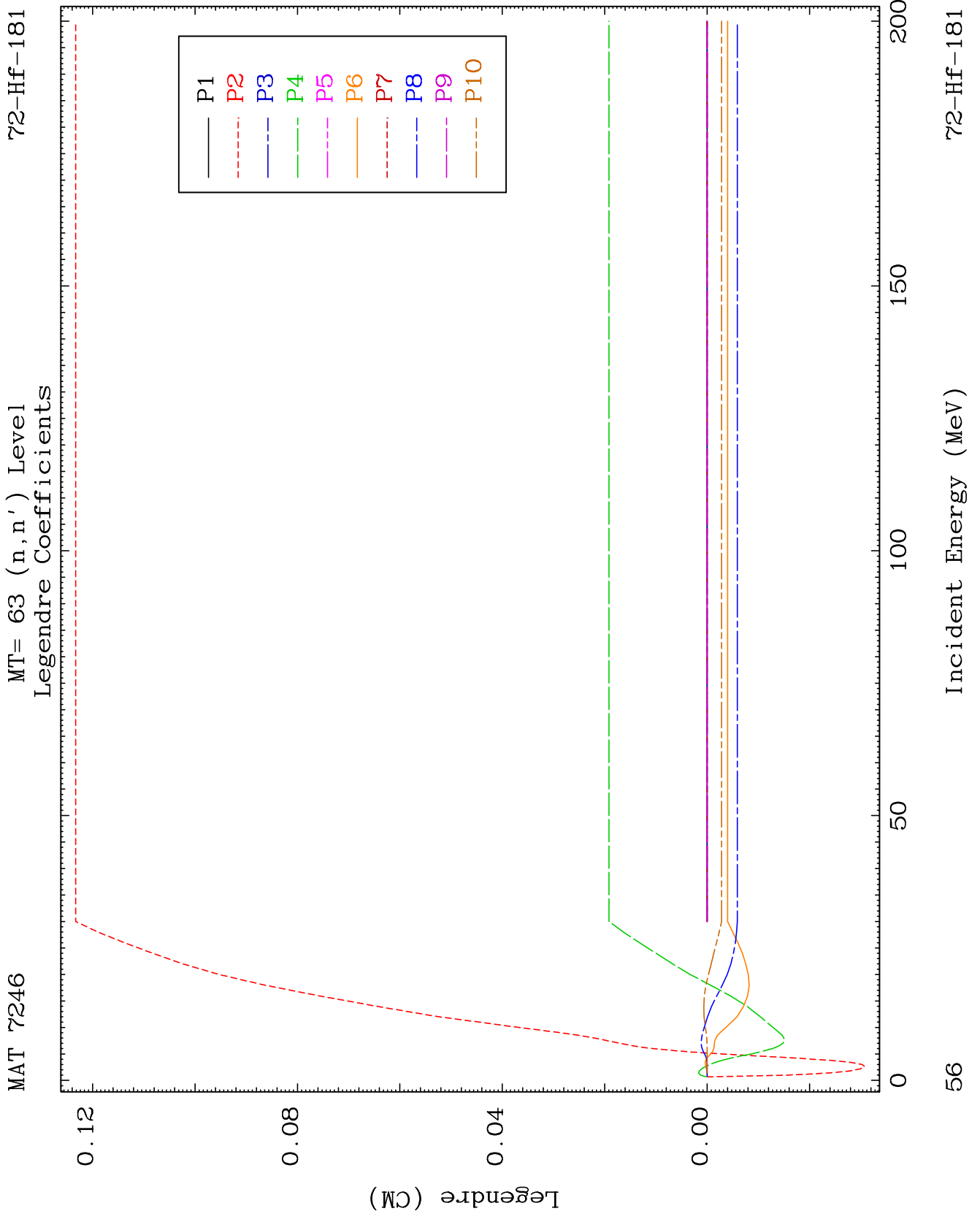


54

Incident Energy (MeV)

72-Hf-181

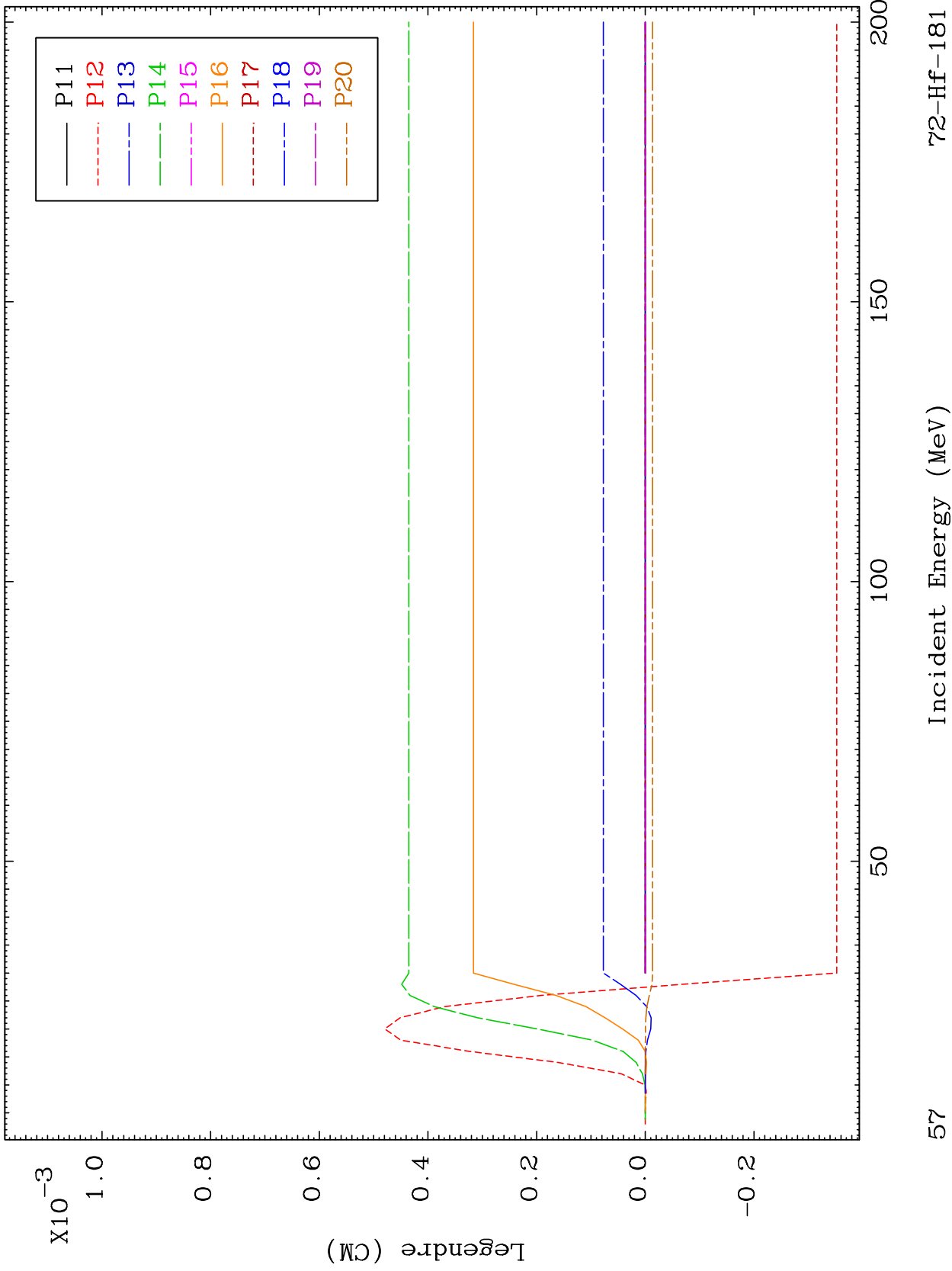




MAT 7246

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

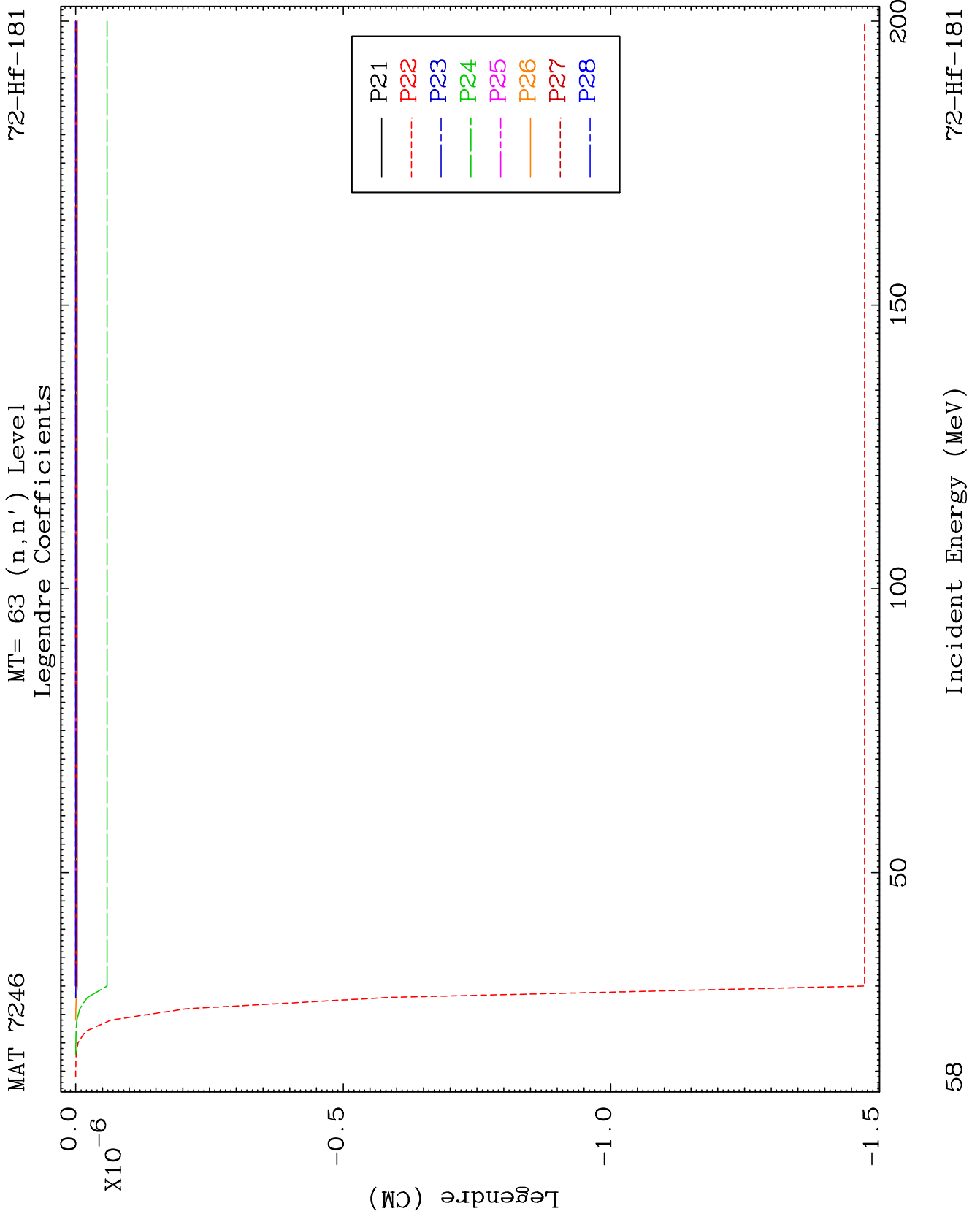
72-Hf-181



57

Incident Energy (MeV)

72-Hf-181

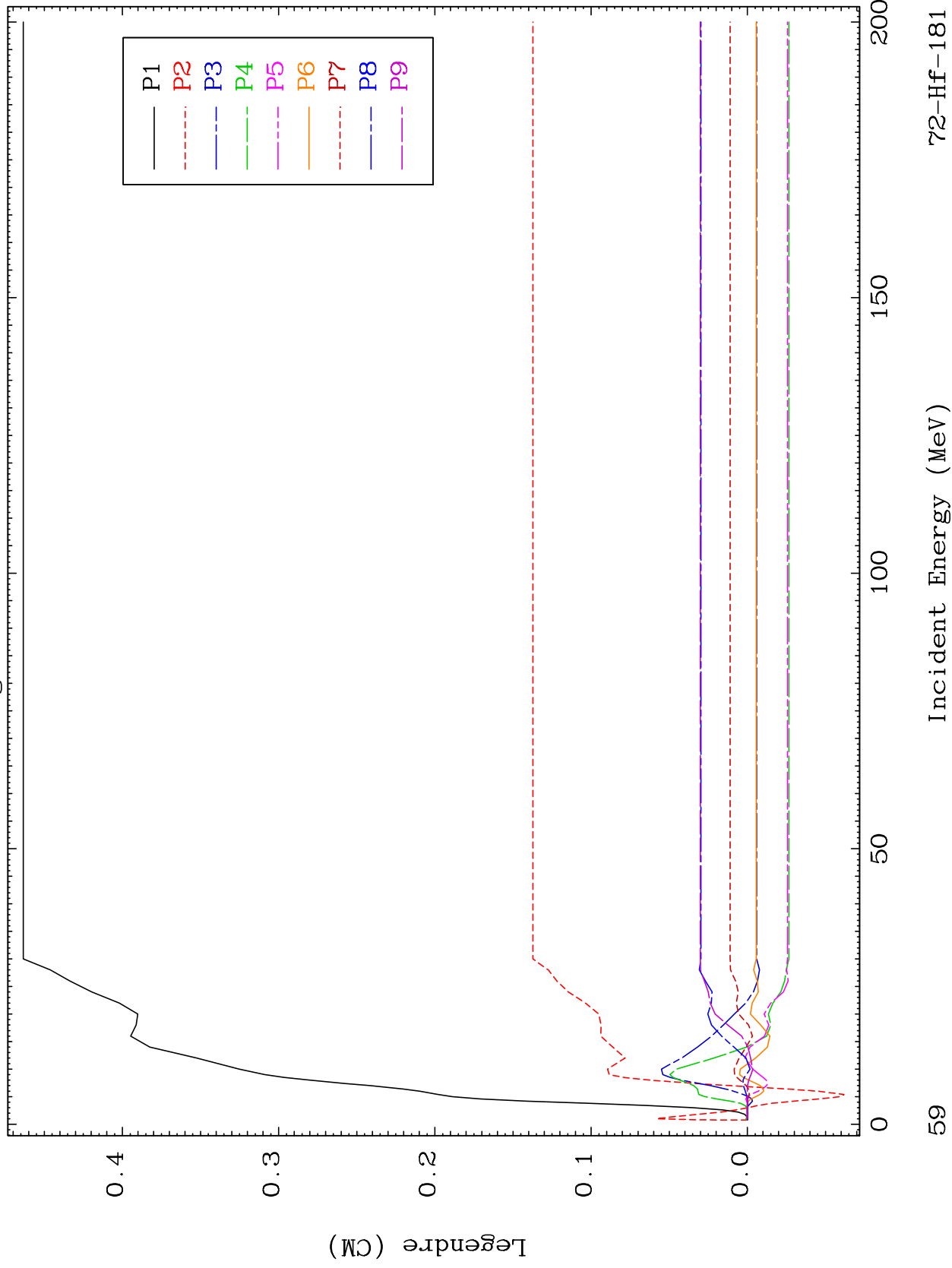


MAT 7246

MT= 64 (n,n') Level

72-Hf-181

Legendre Coefficients



59

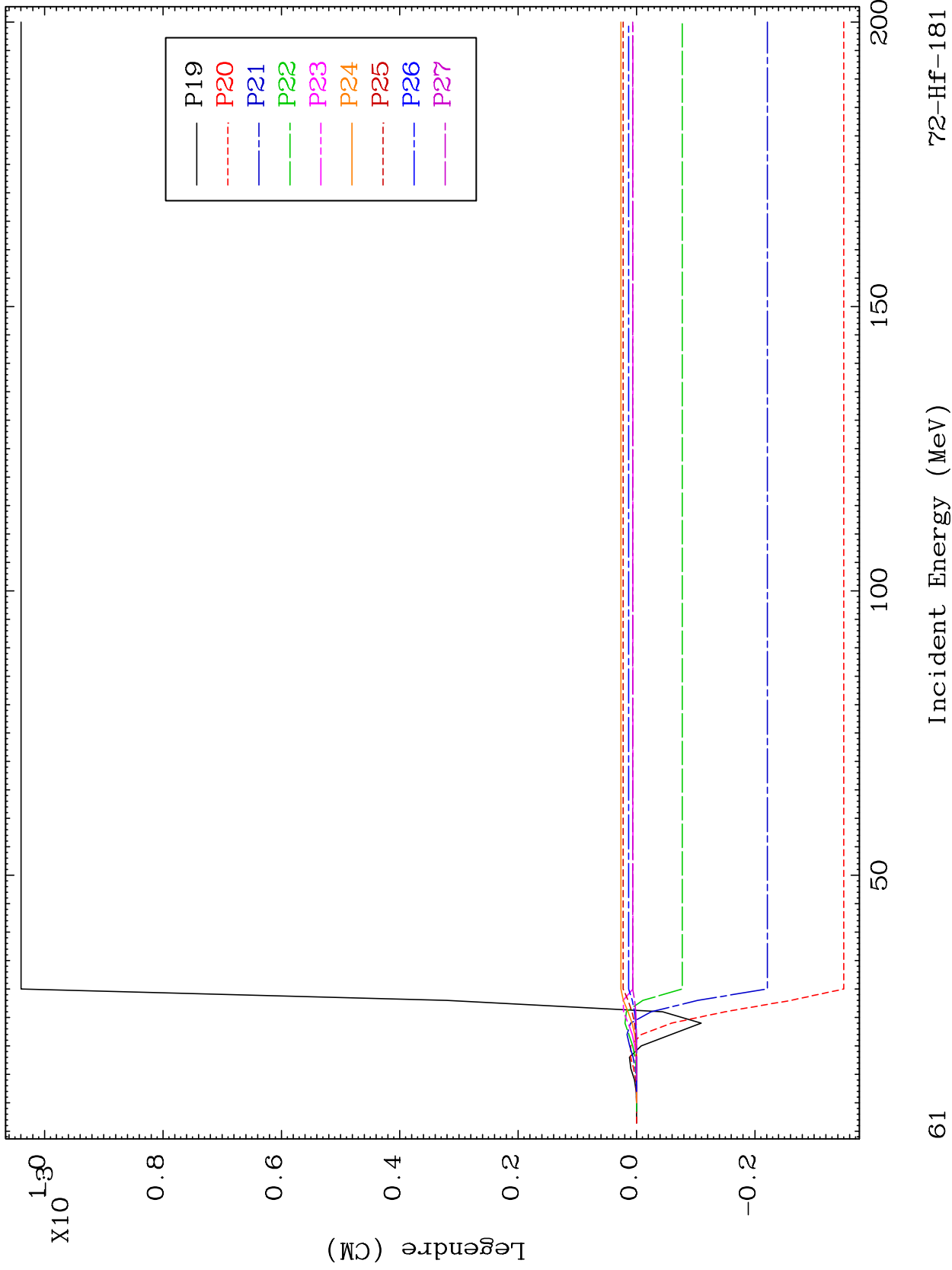
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

72-Hf-181



61

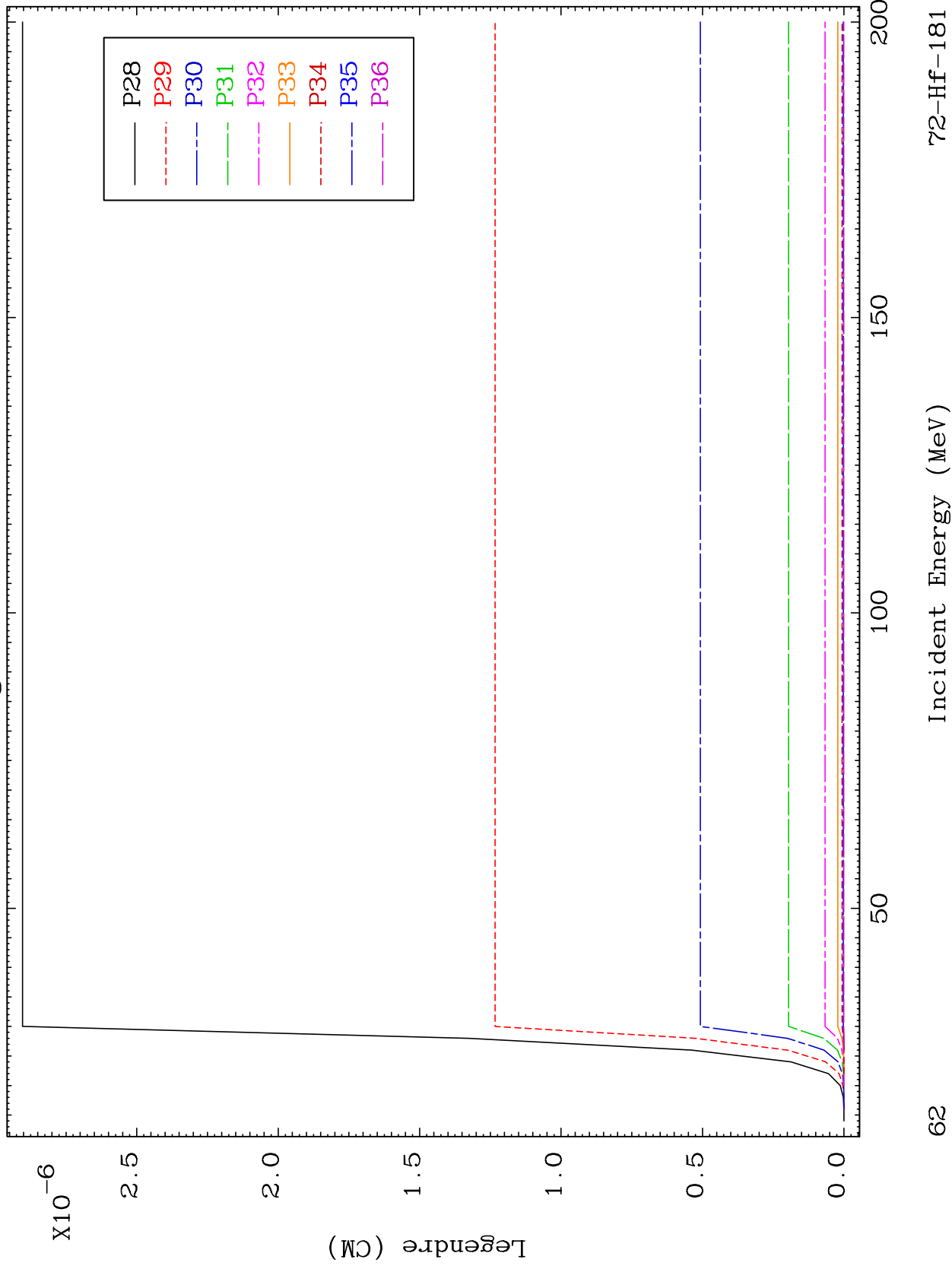
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

72-Hf-181

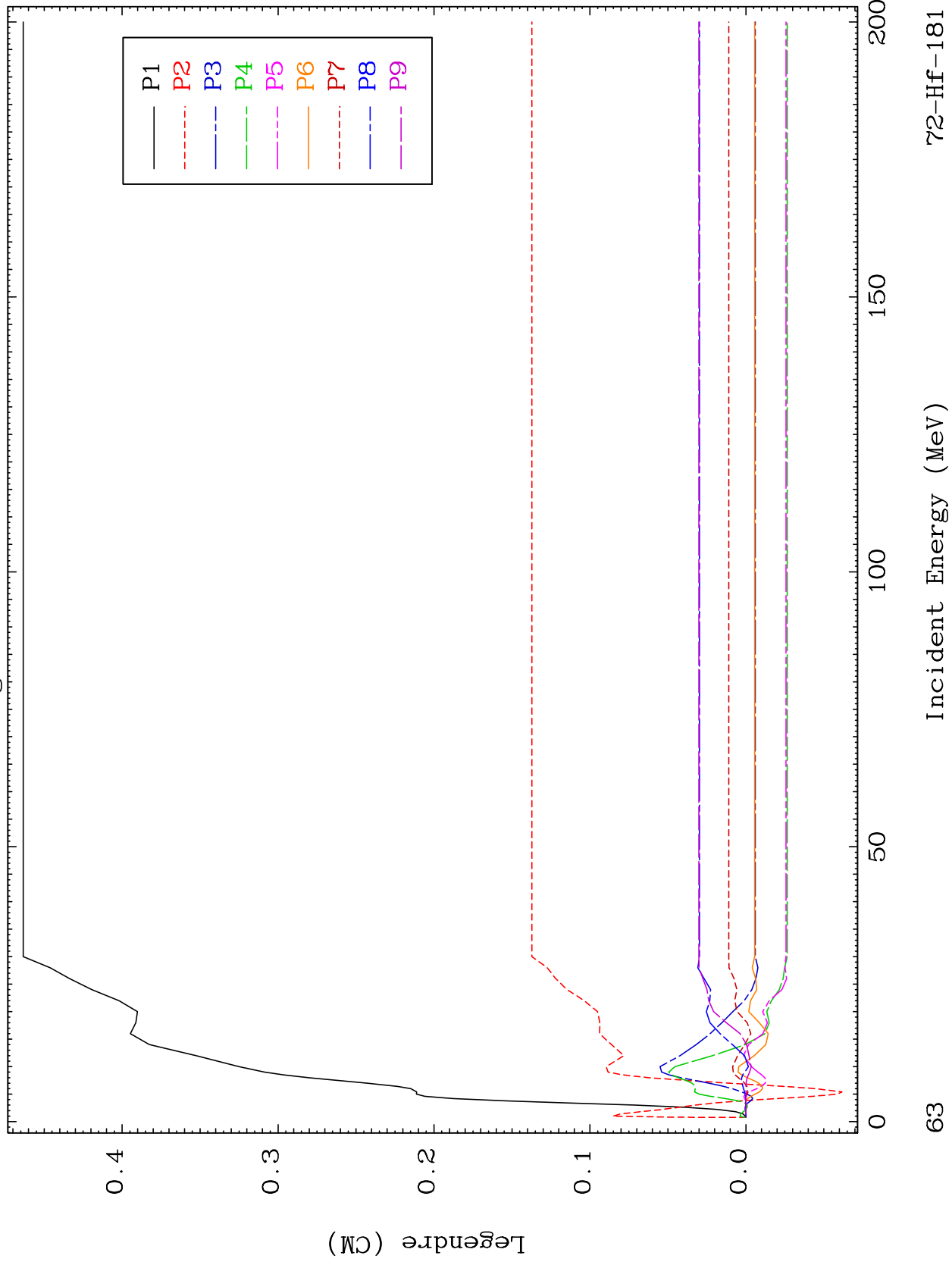


62

MAT 7246

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

72-Hf-181



63

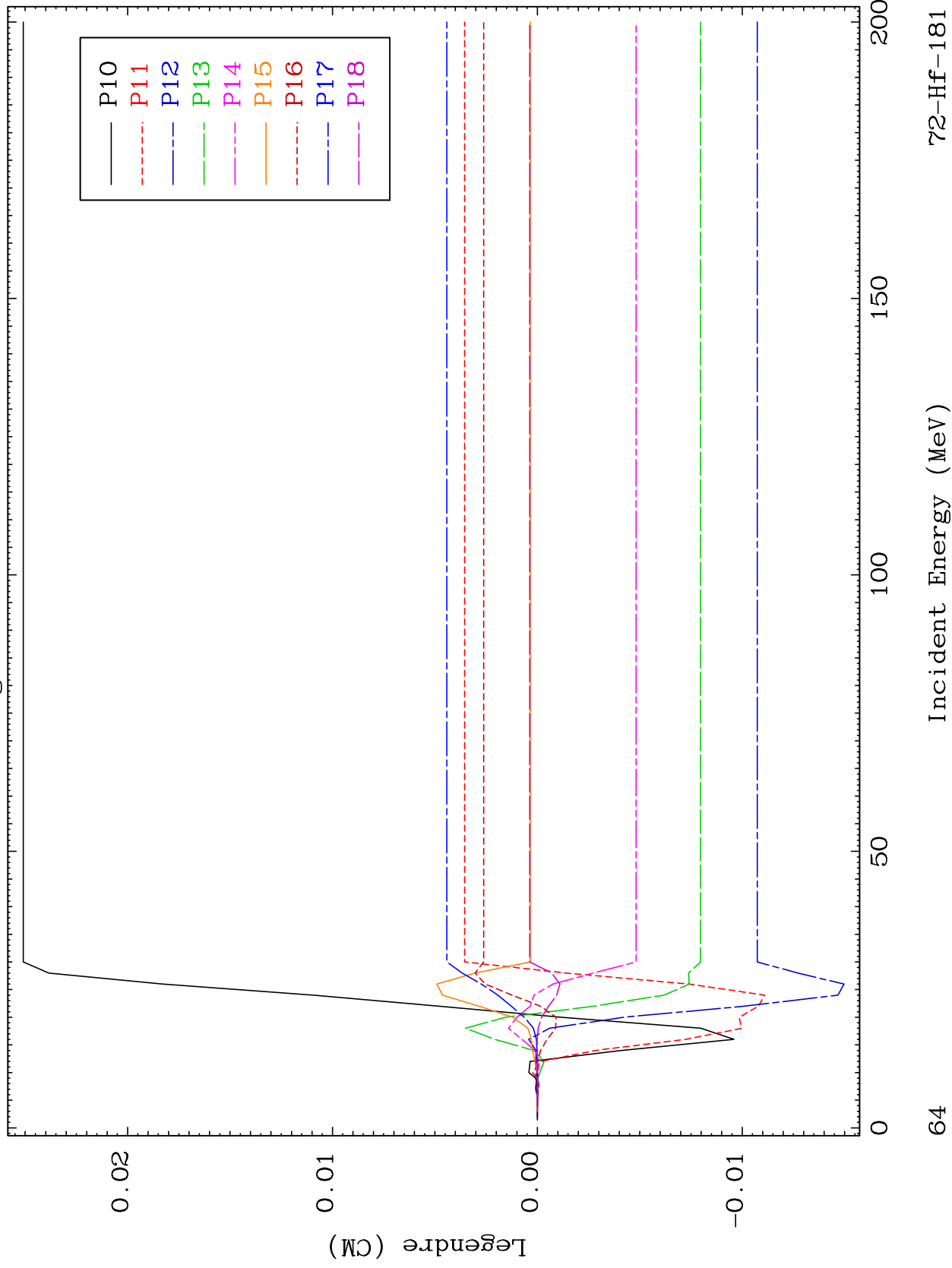
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

72-Hf-181



64

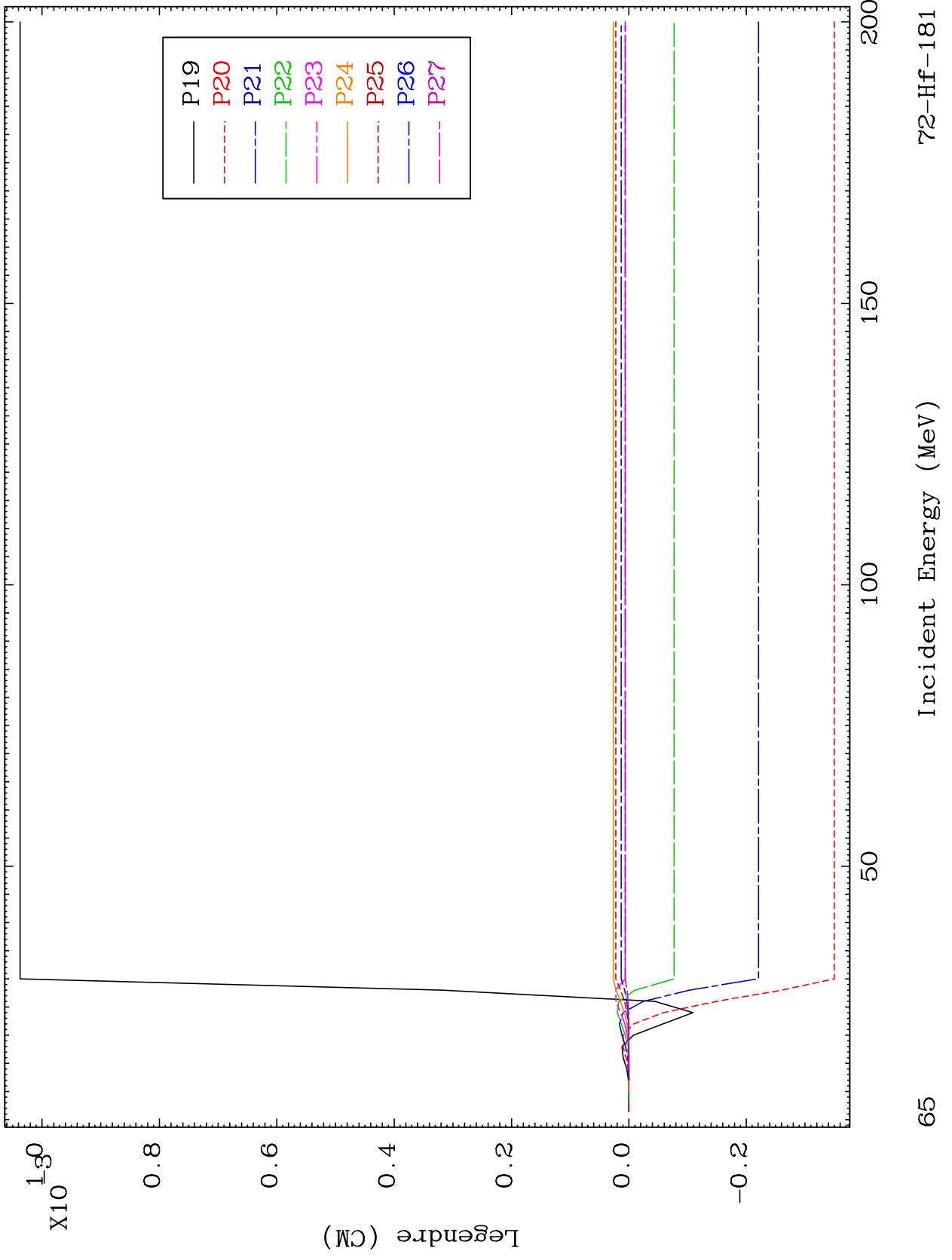
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

72-Hf-181



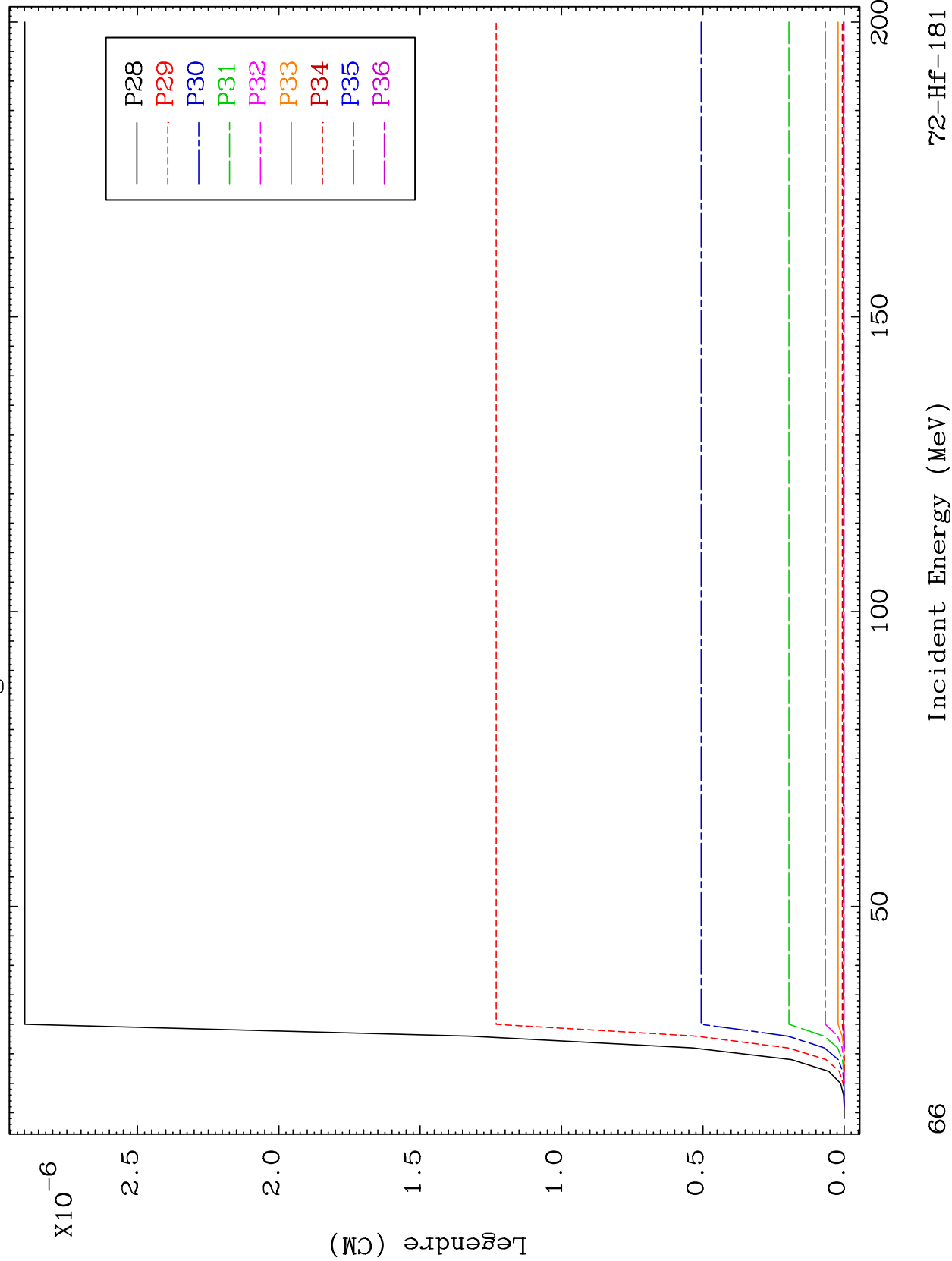
65

72-Hf-181

MAT 7246

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

72-Hf-181



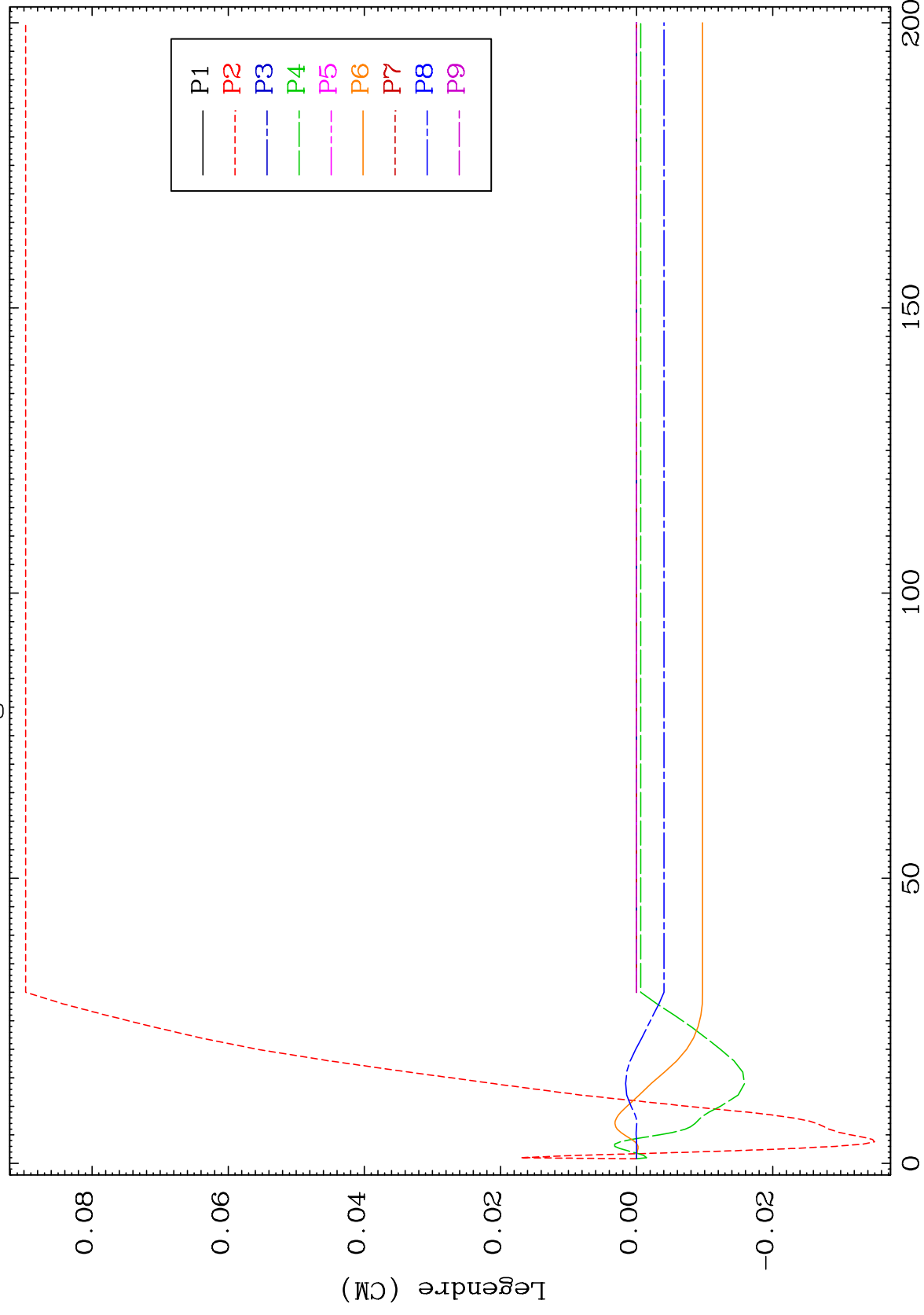
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72-Hf-181

MAT 7246

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

72-Hf-181



67

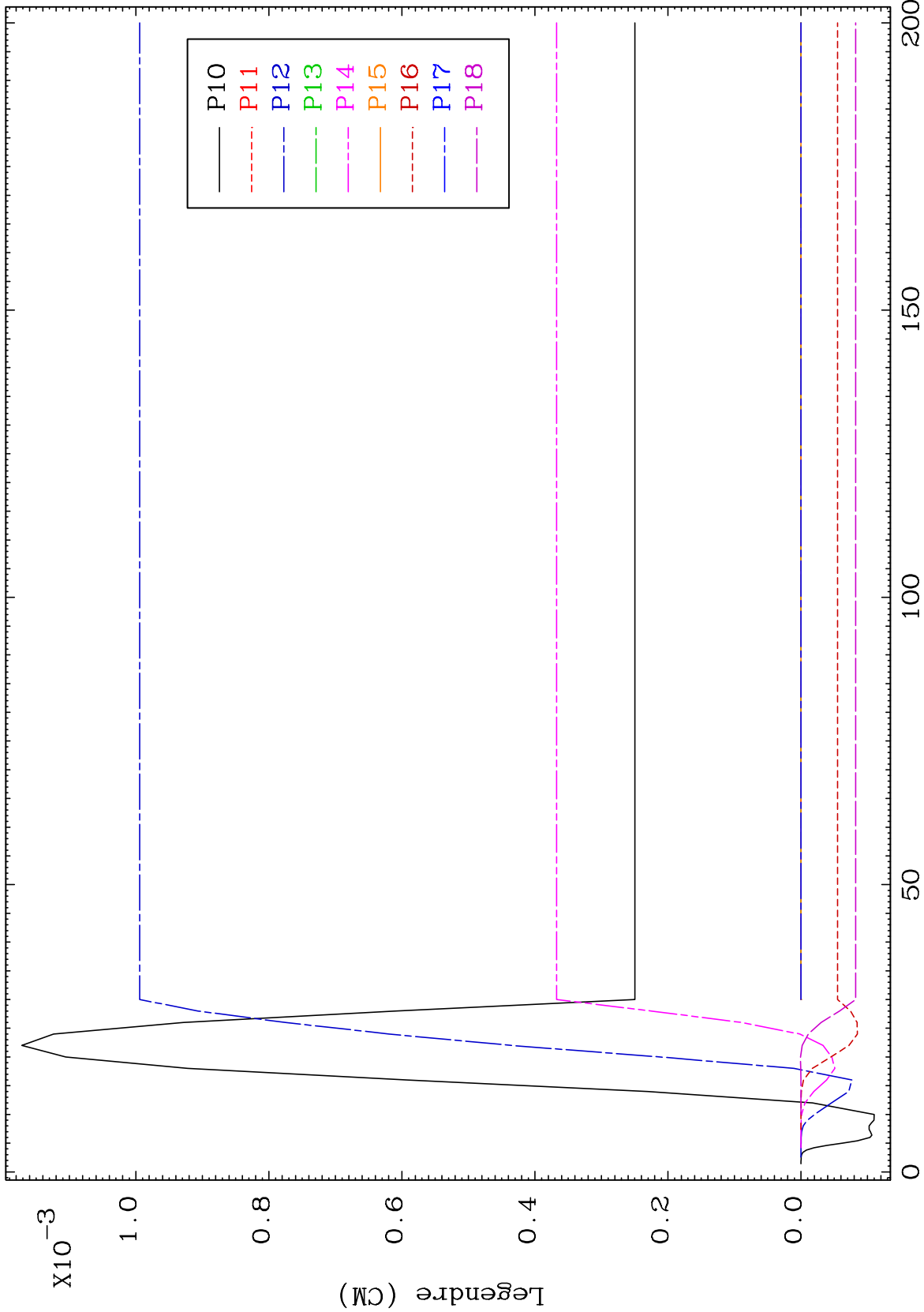
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

72-Hf-181



68

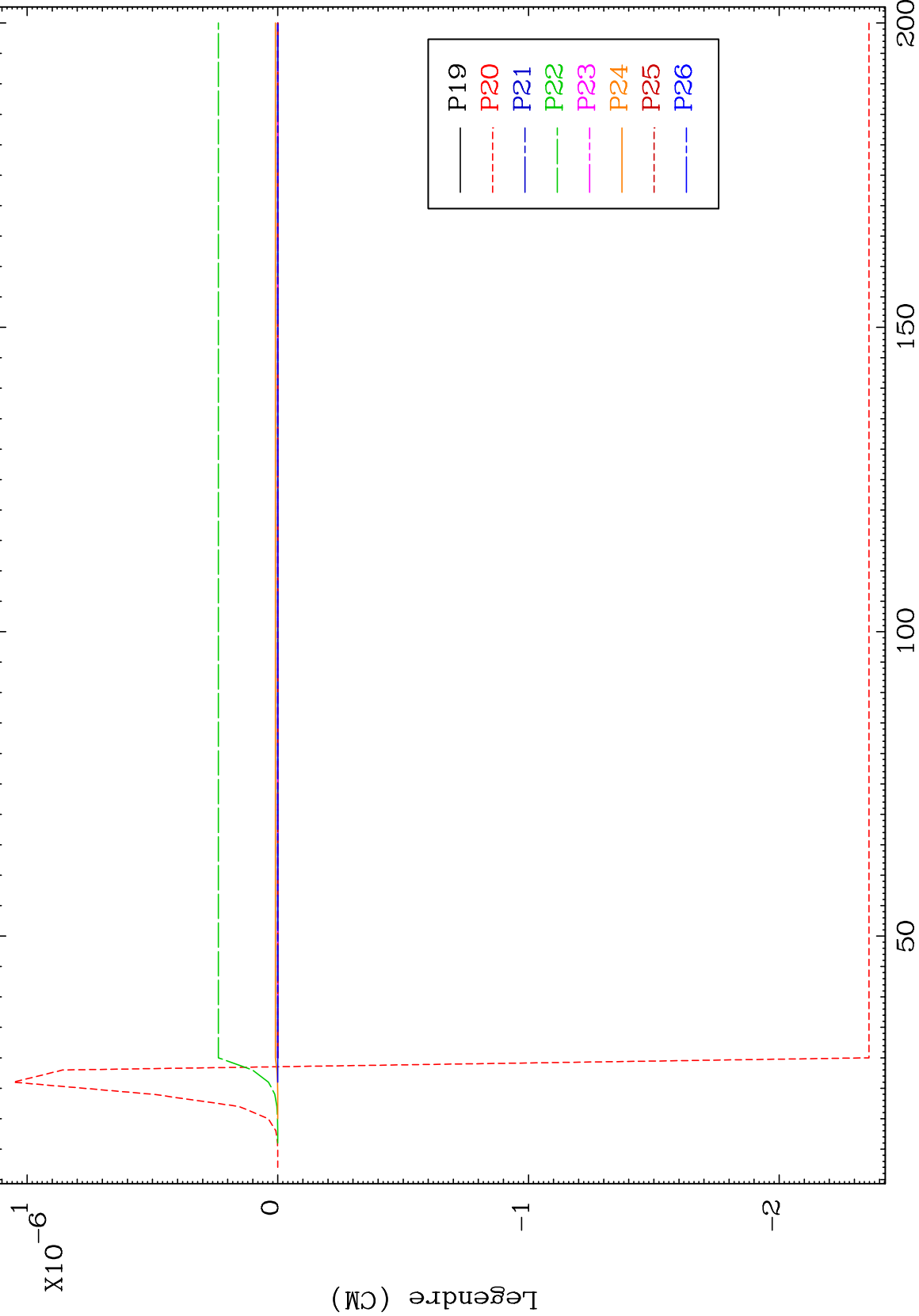
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

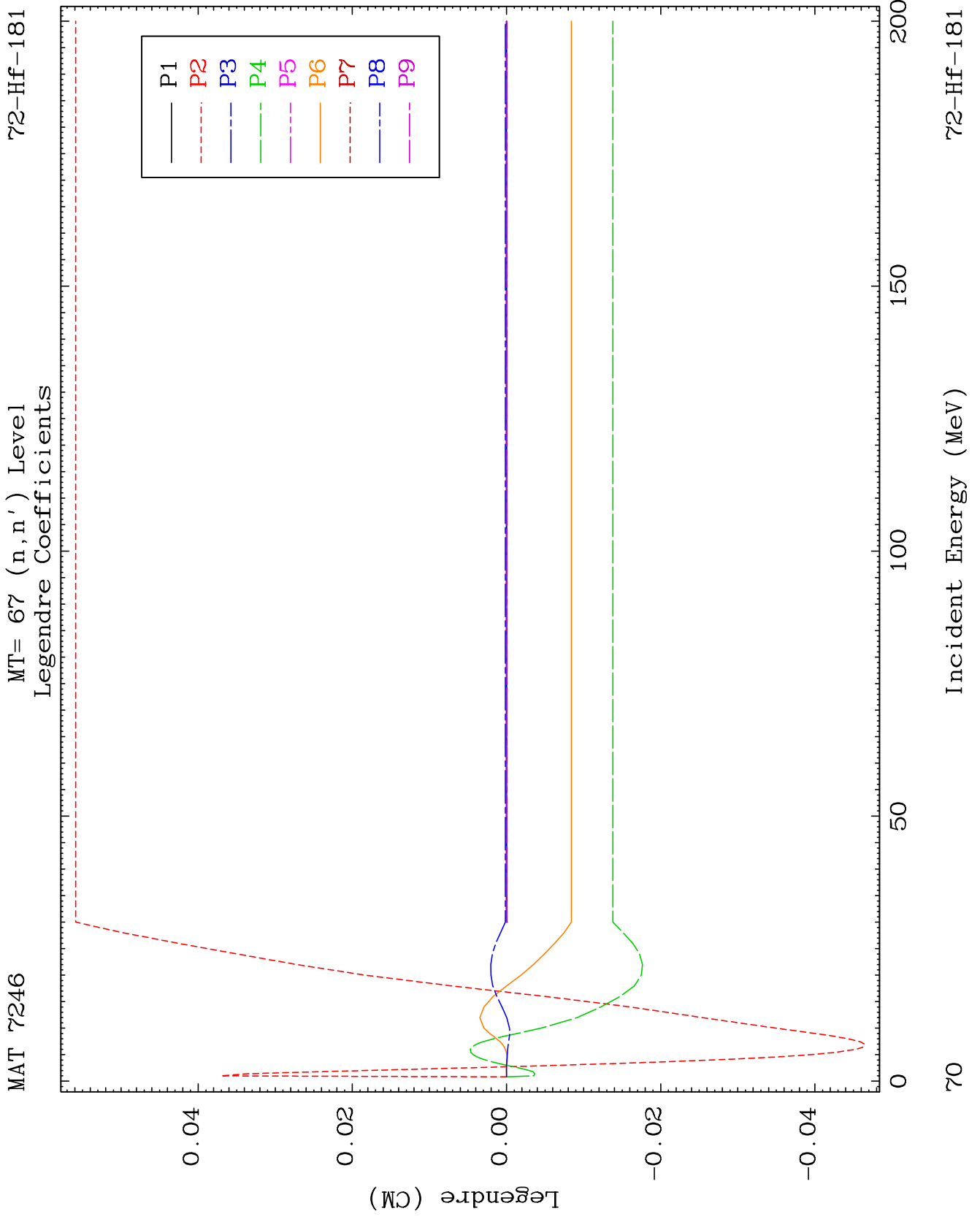
72-Hf-181



69

Incident Energy (MeV)

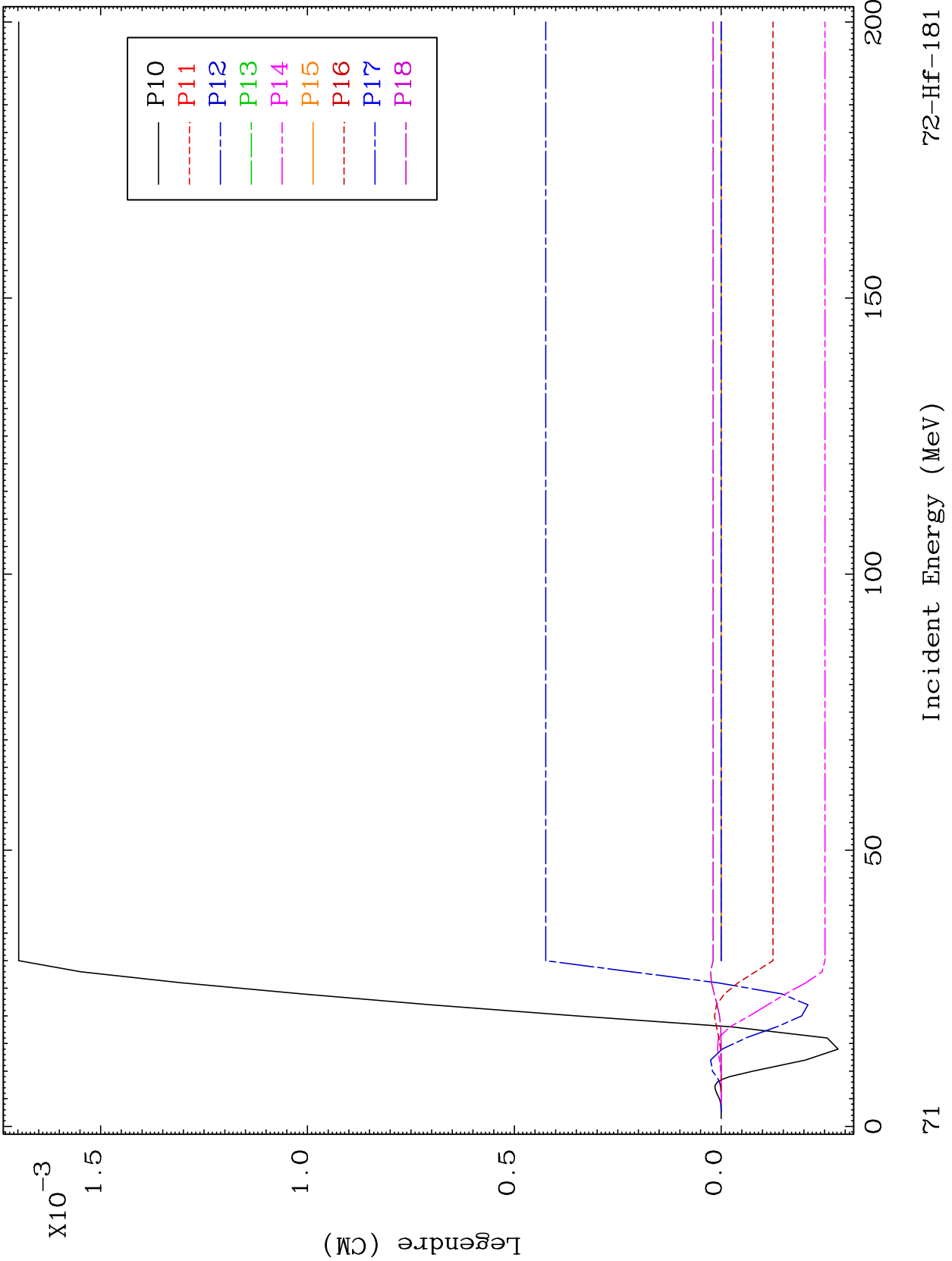
72-Hf-181



MAT 7246

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

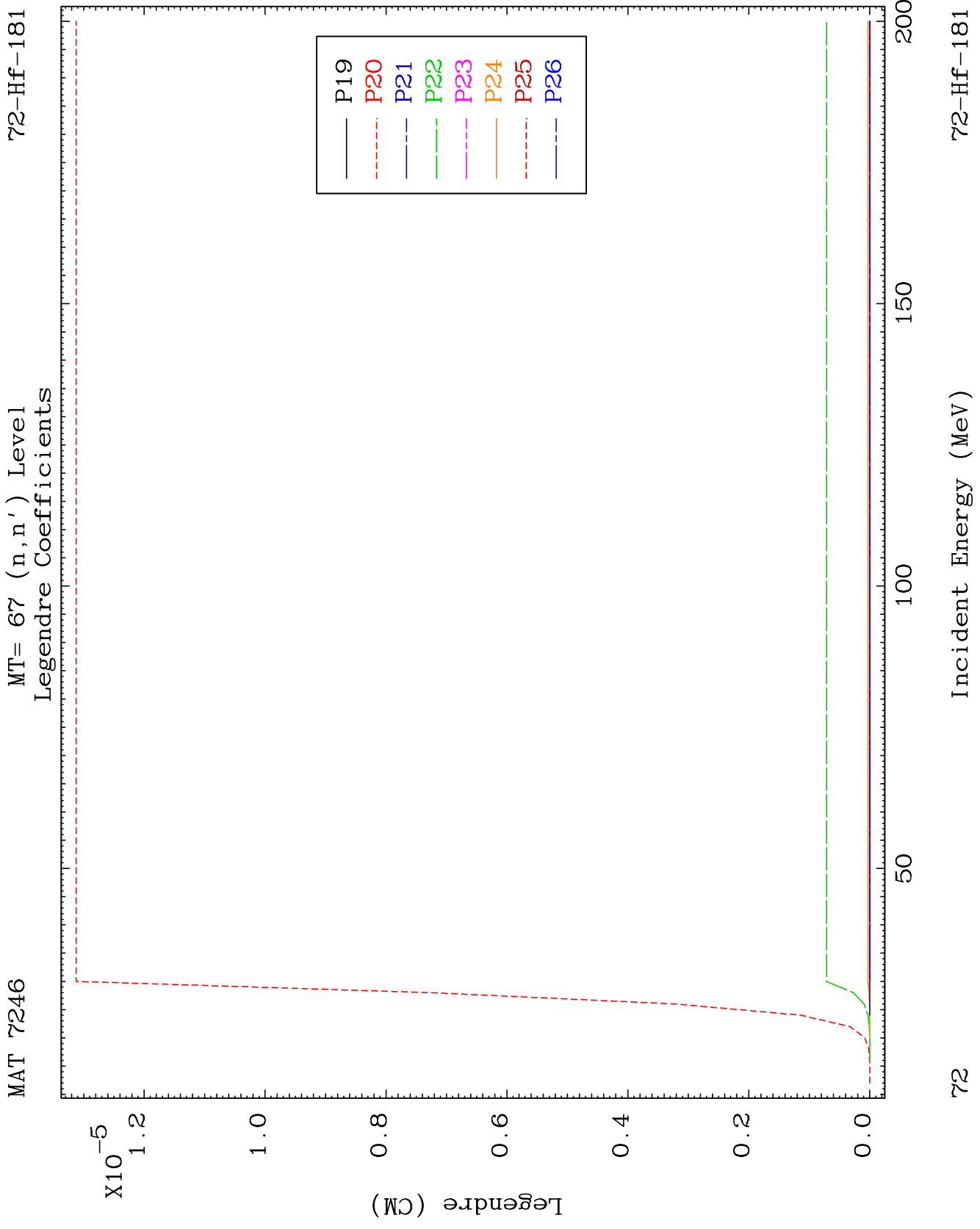
72-Hf-181



71

Incident Energy (MeV)

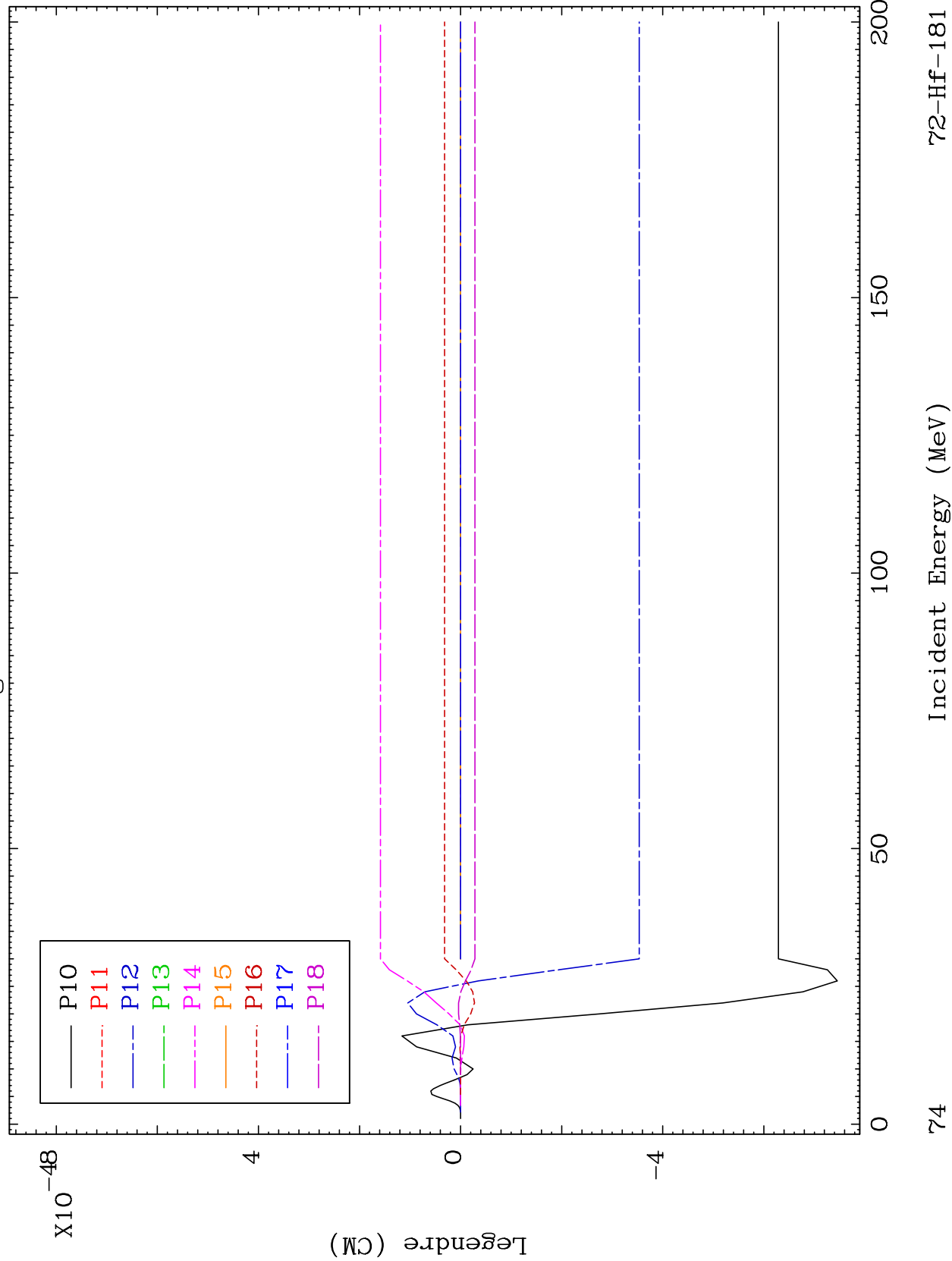
72-Hf-181



MAT 7246

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

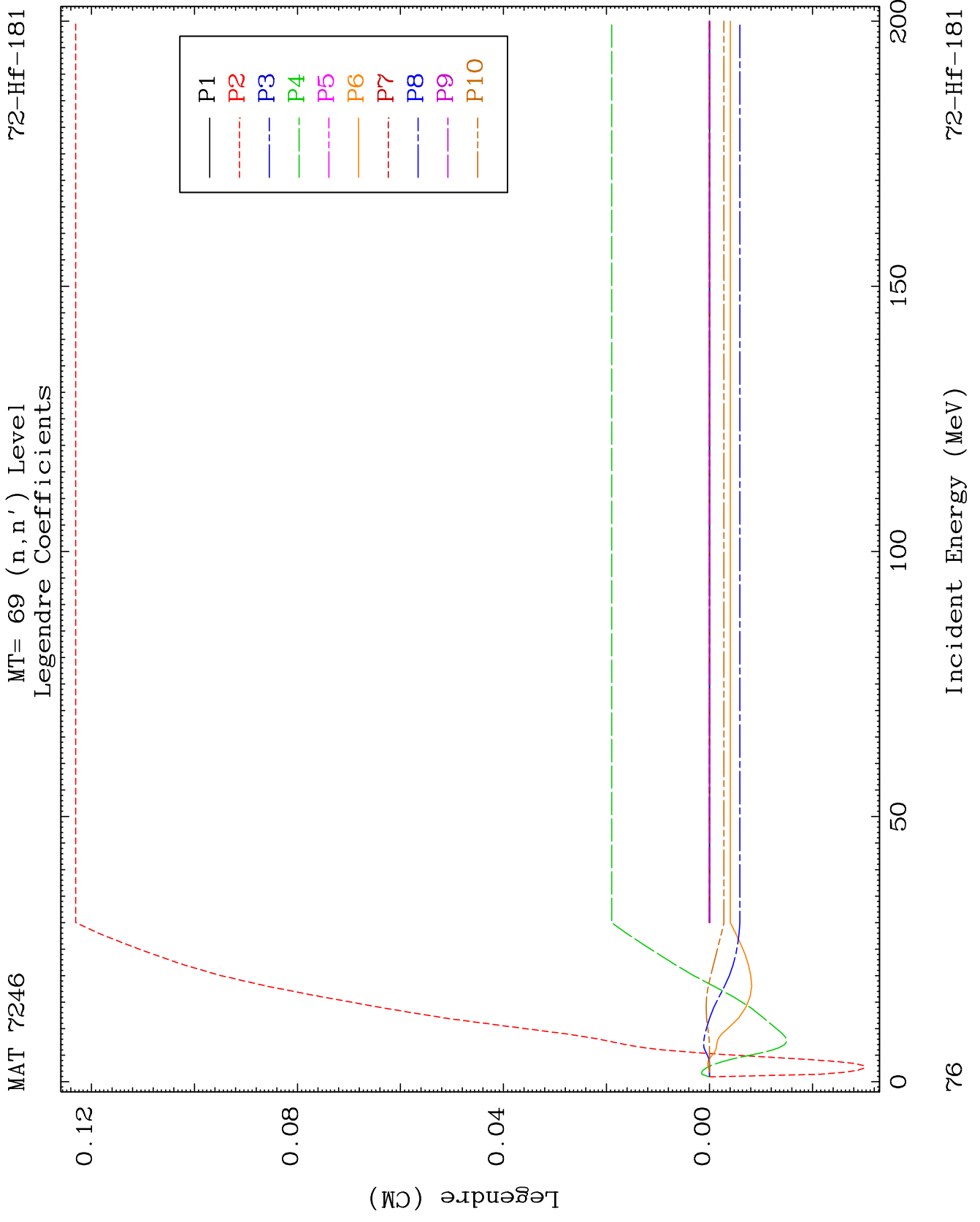
72-Hf-181



74

Incident Energy (MeV)

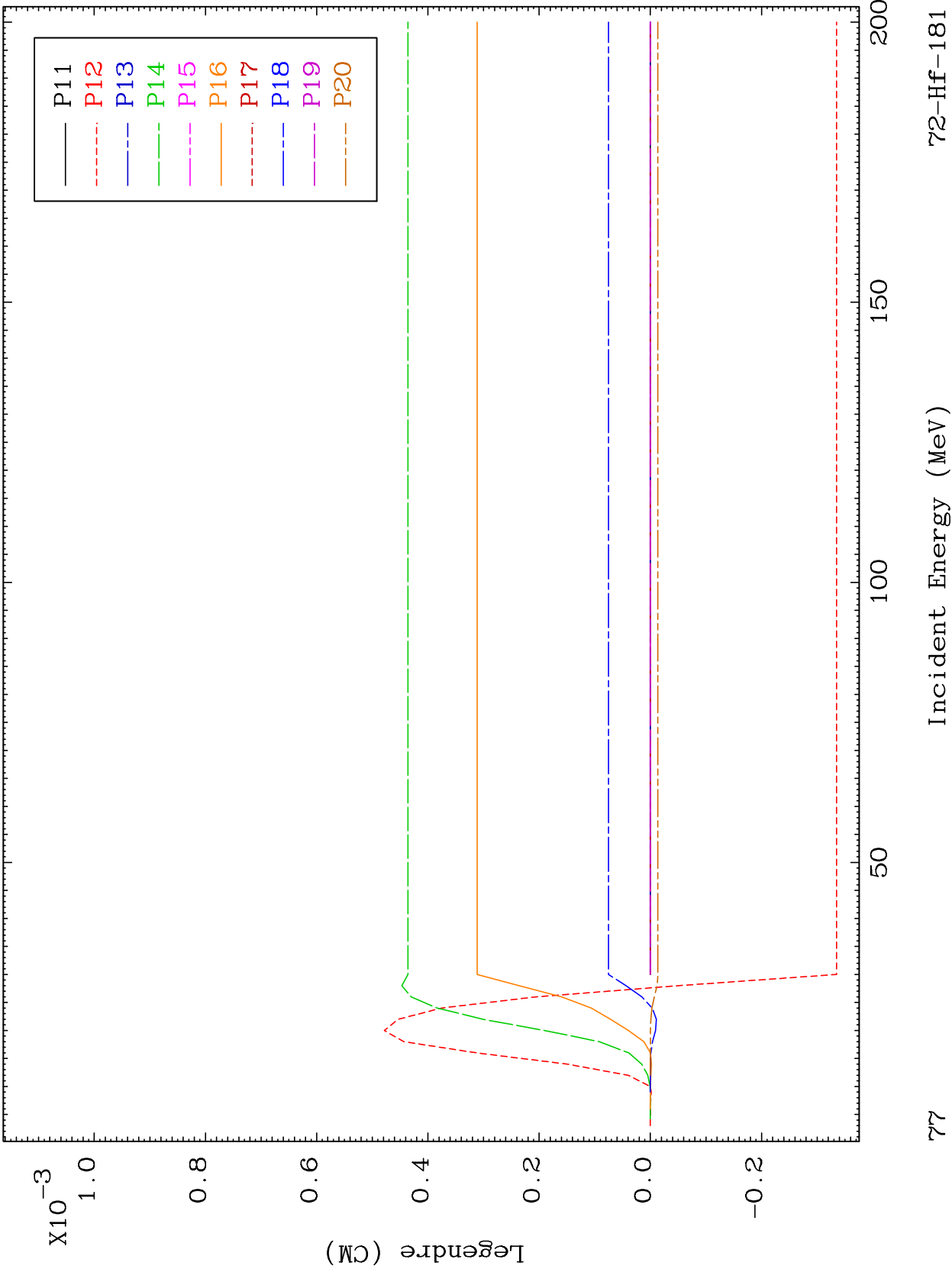
72-Hf-181



MAT 7246

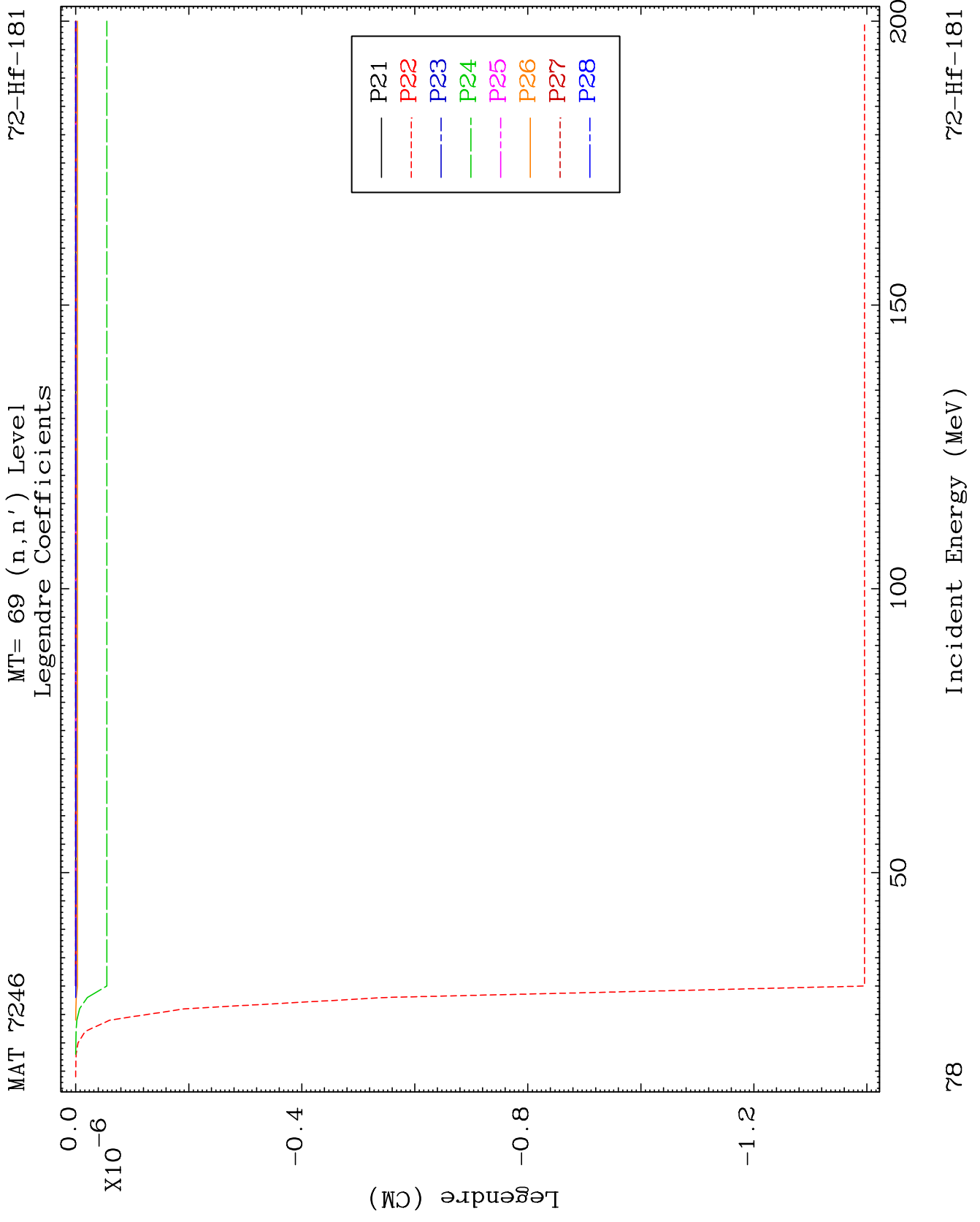
MT= 69 (n,n') Level
Legendre Coefficients

72-Hf-181



77

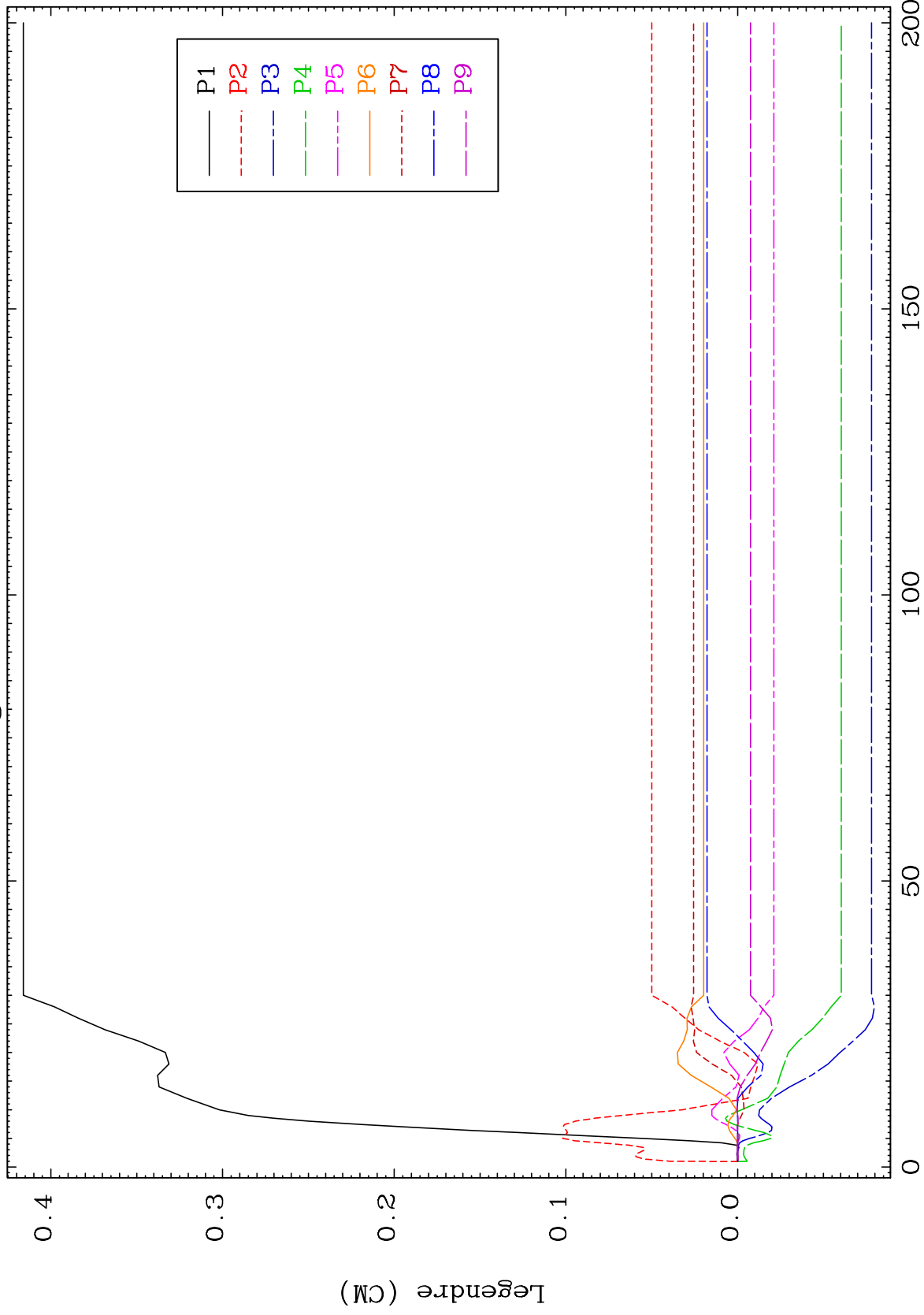
72-Hf-181



MAT 7246

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

72-Hf-181



79

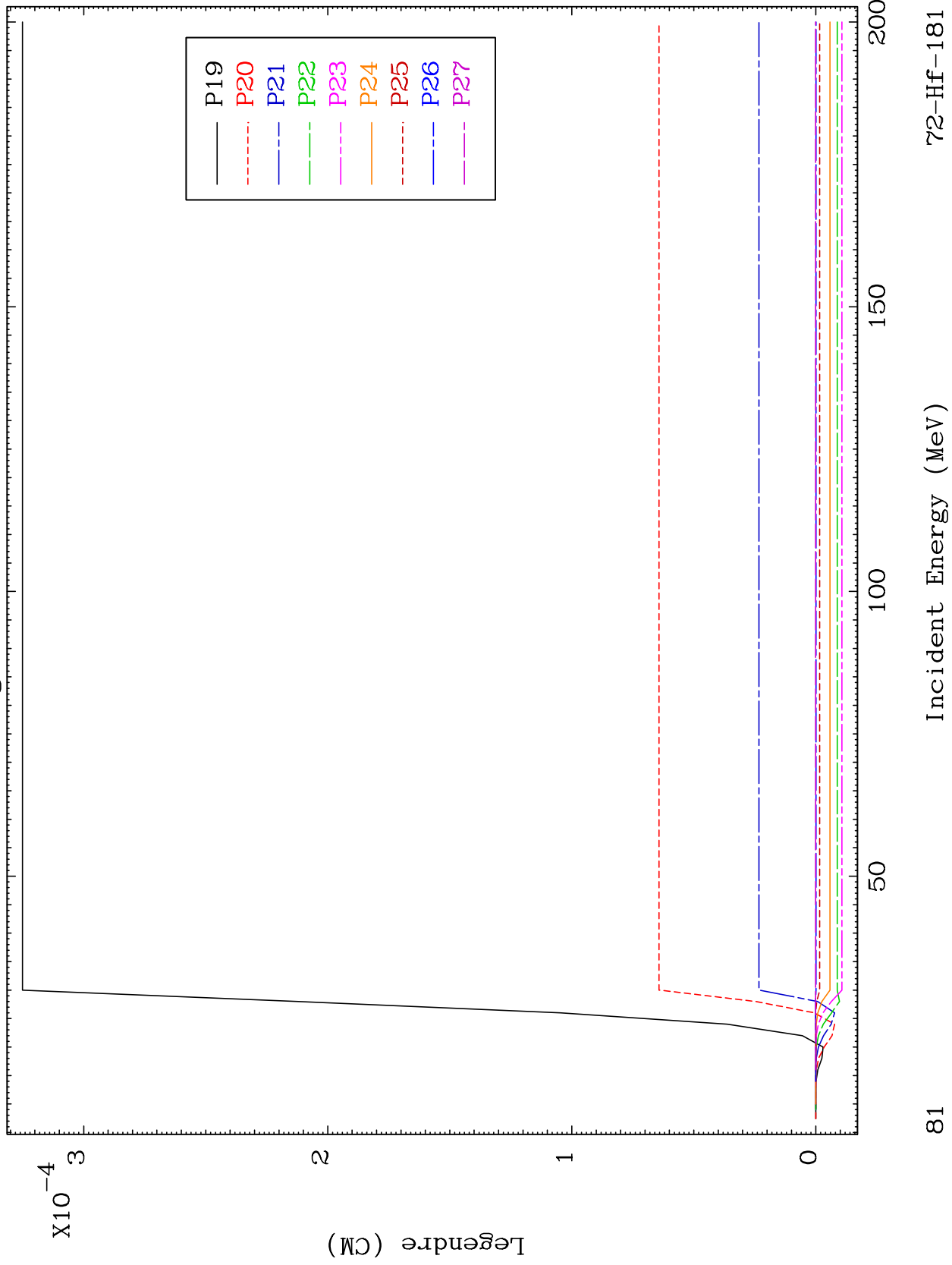
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

72-Hf-181



81

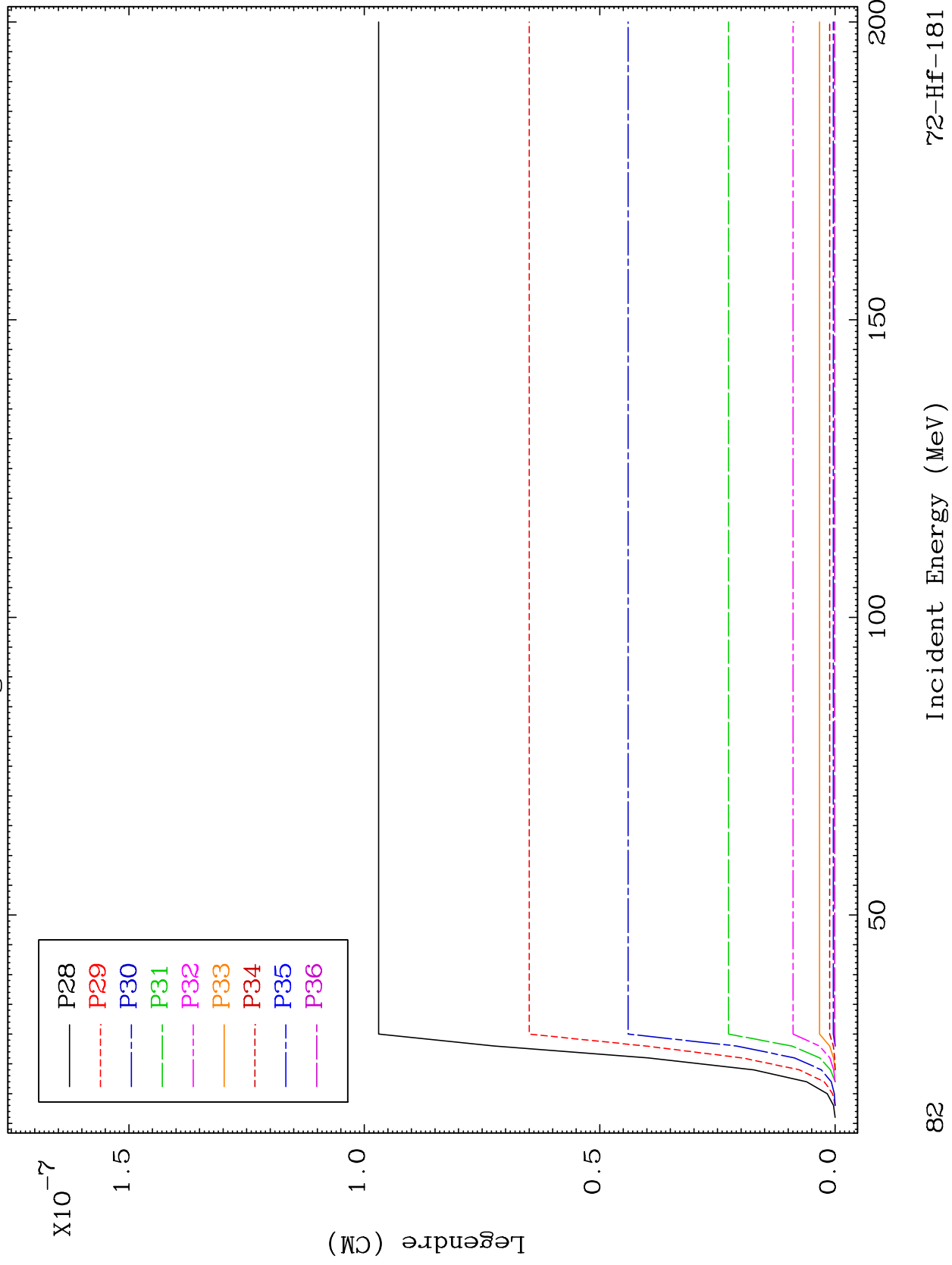
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

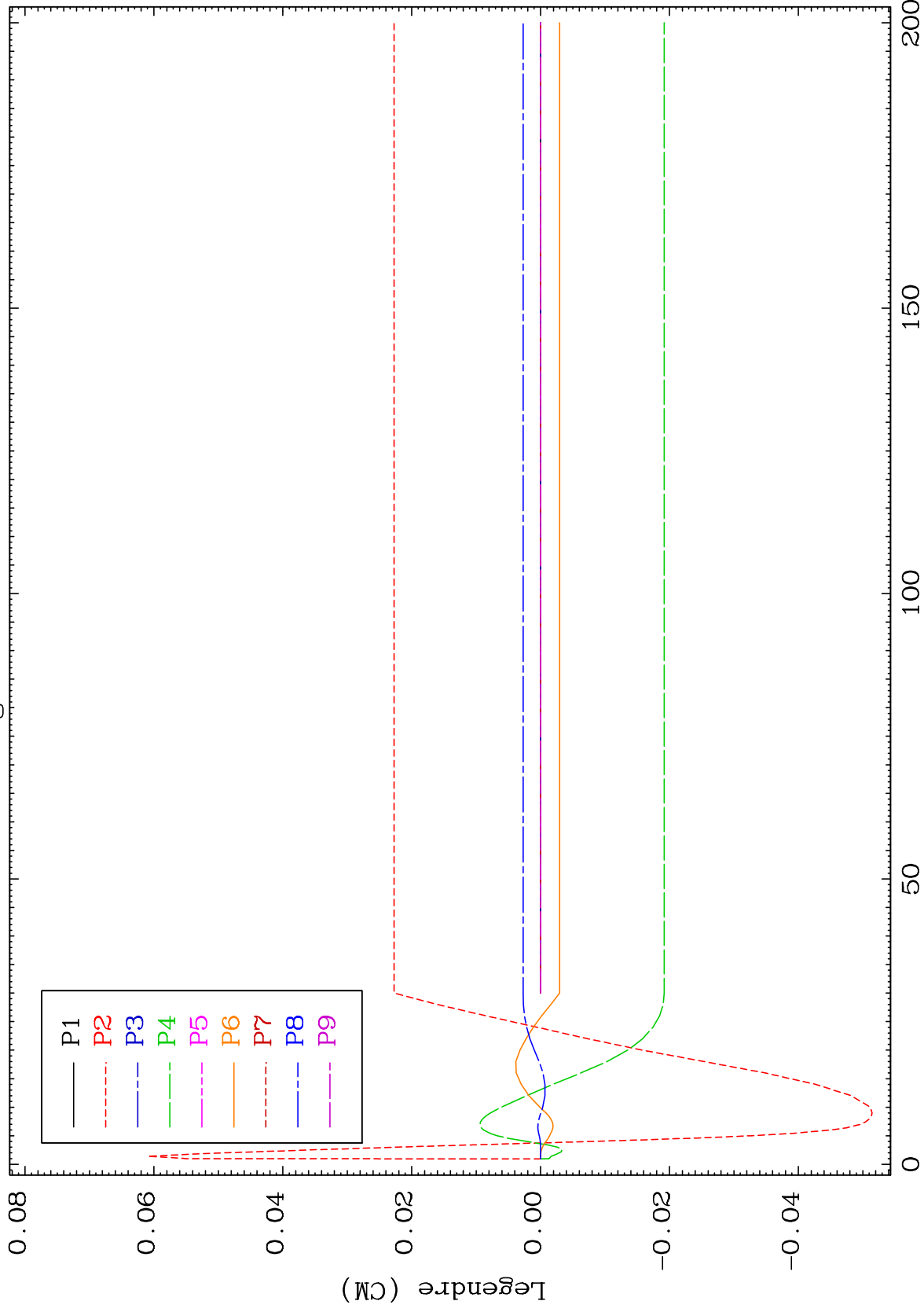
72-Hf-181



MAT 7246

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

72-Hf-181



83

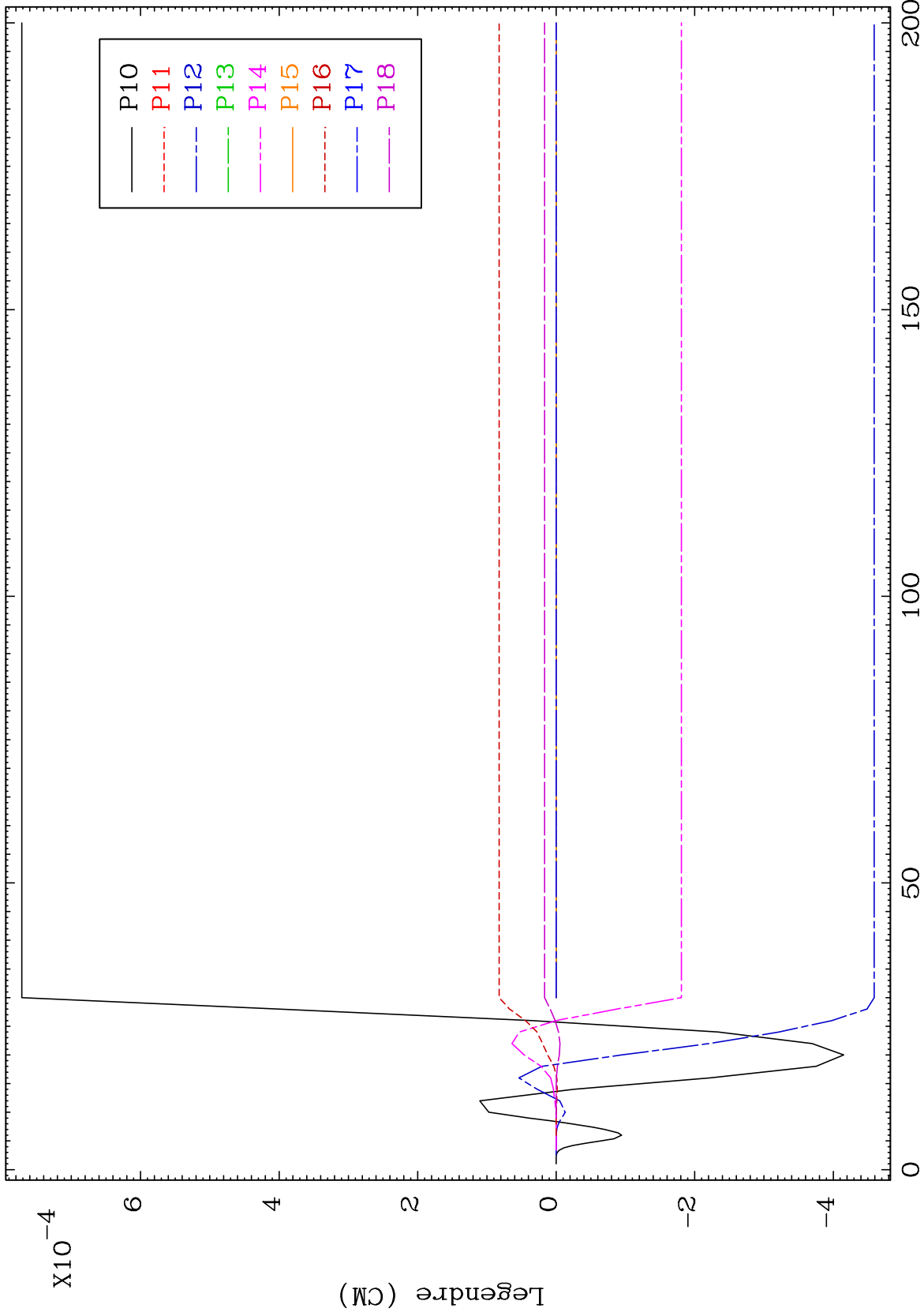
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

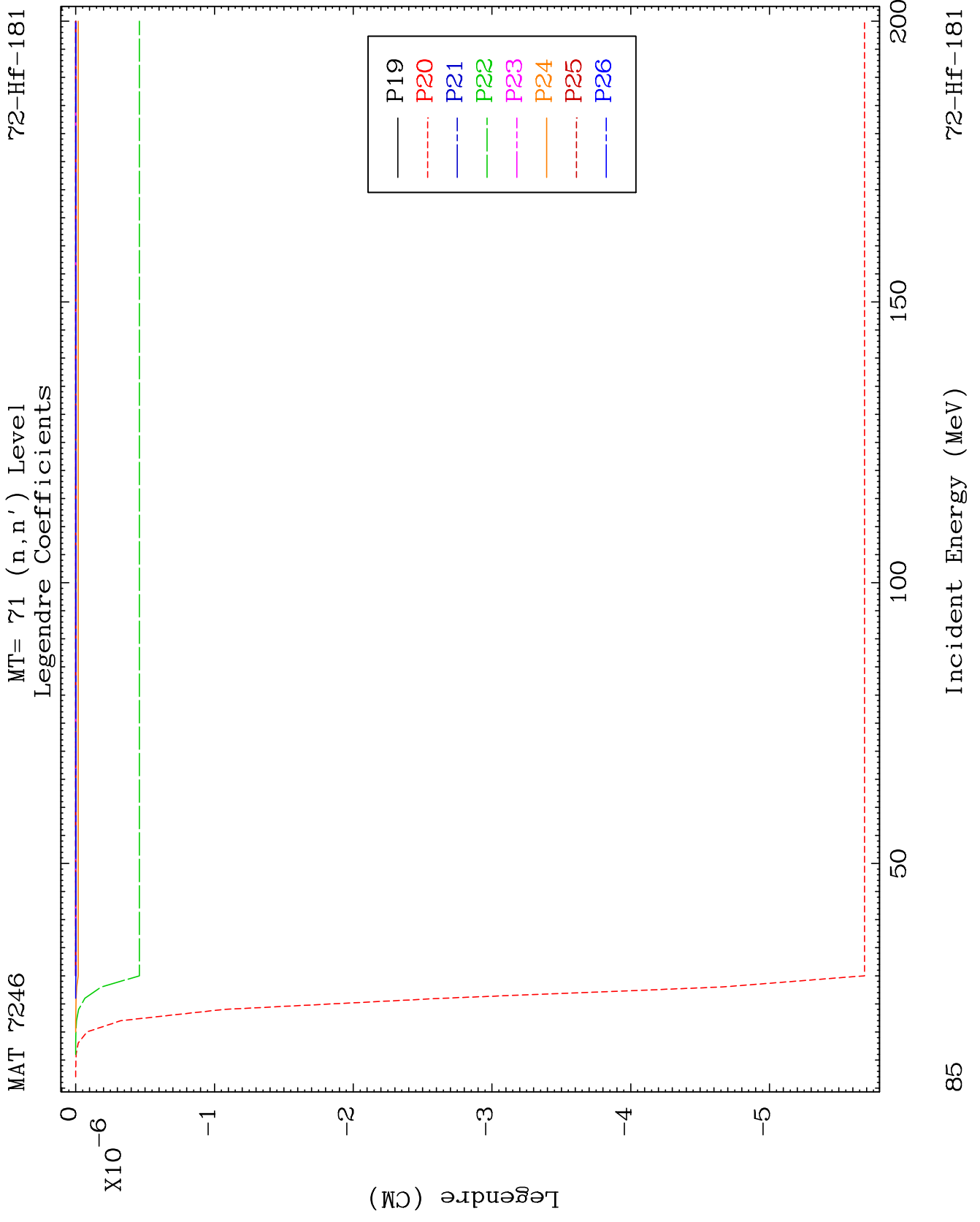
72-Hf-181



84

Incident Energy (MeV)

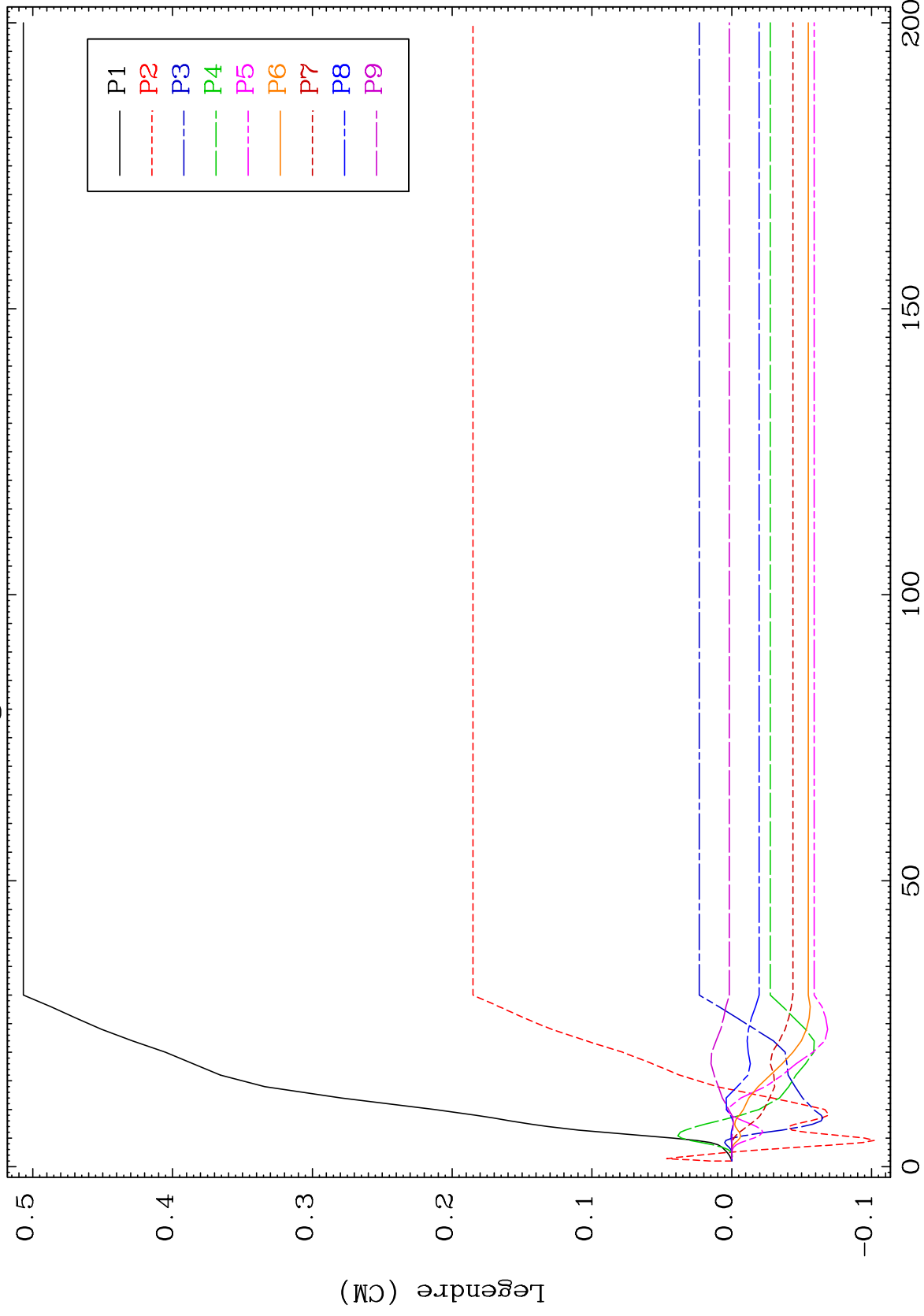
72-Hf-181



MAT 7246

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

72-Hf-181



86

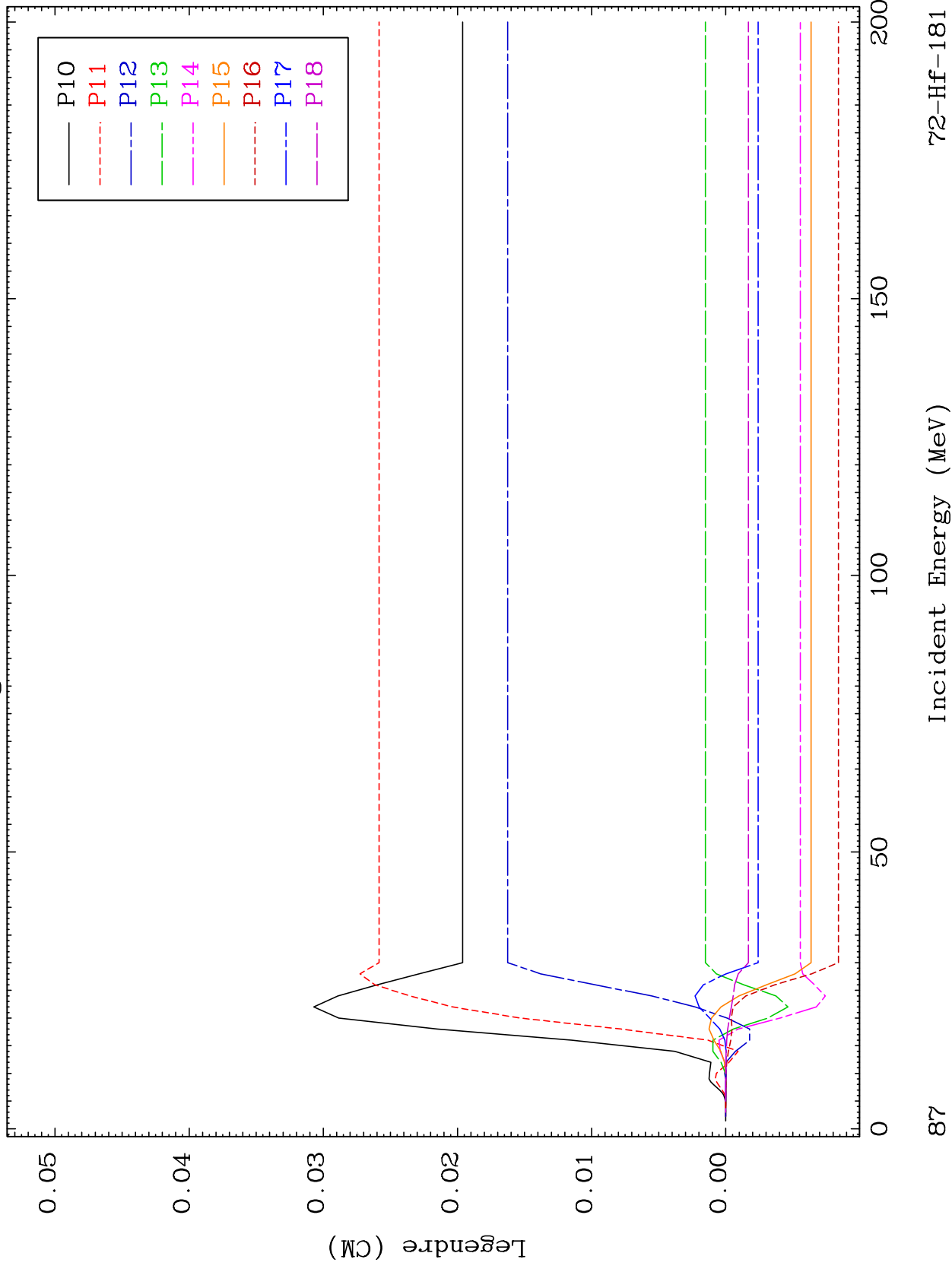
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

72-Hf-181



87

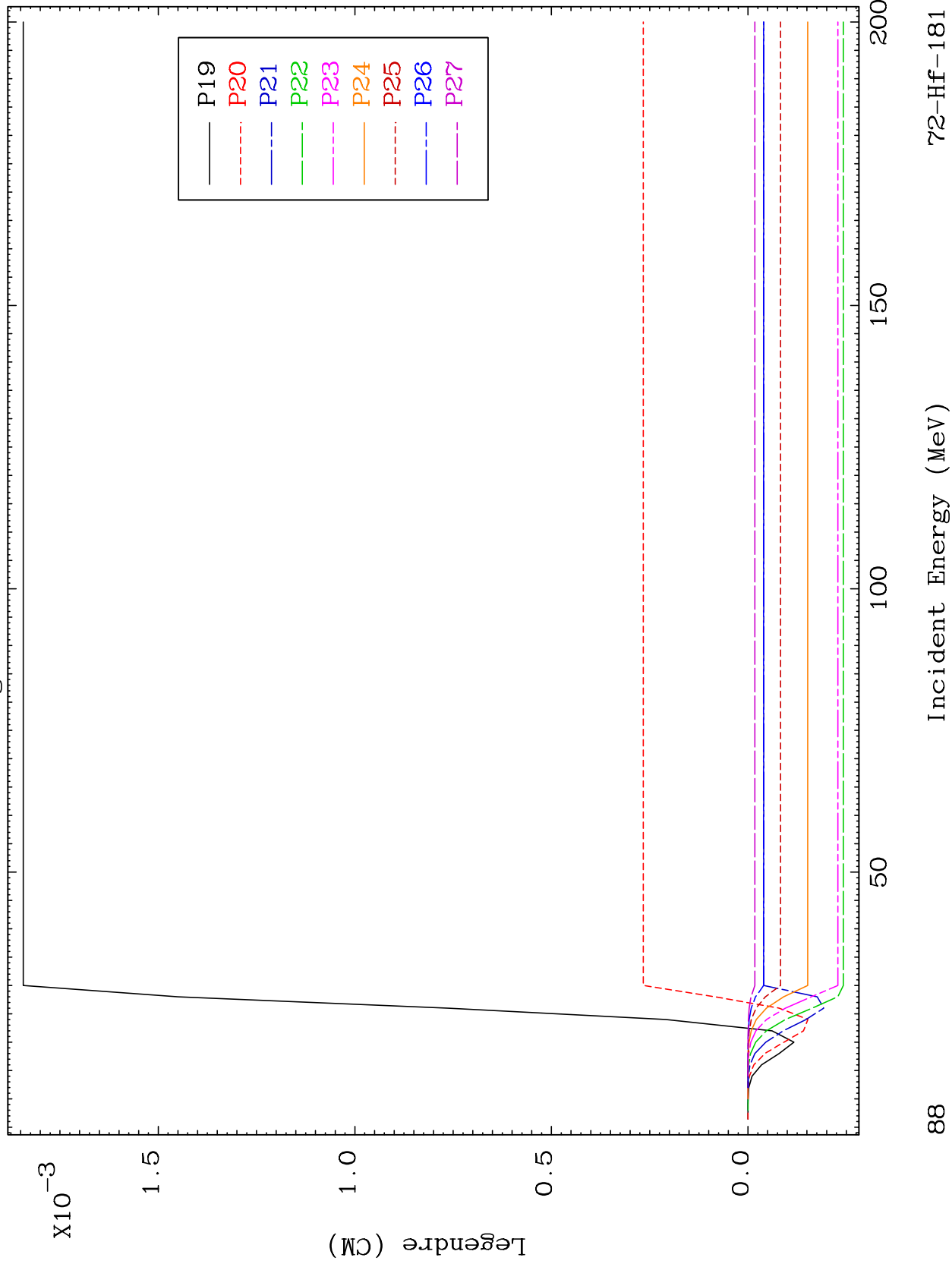
Incident Energy (MeV)

72-Hf-181

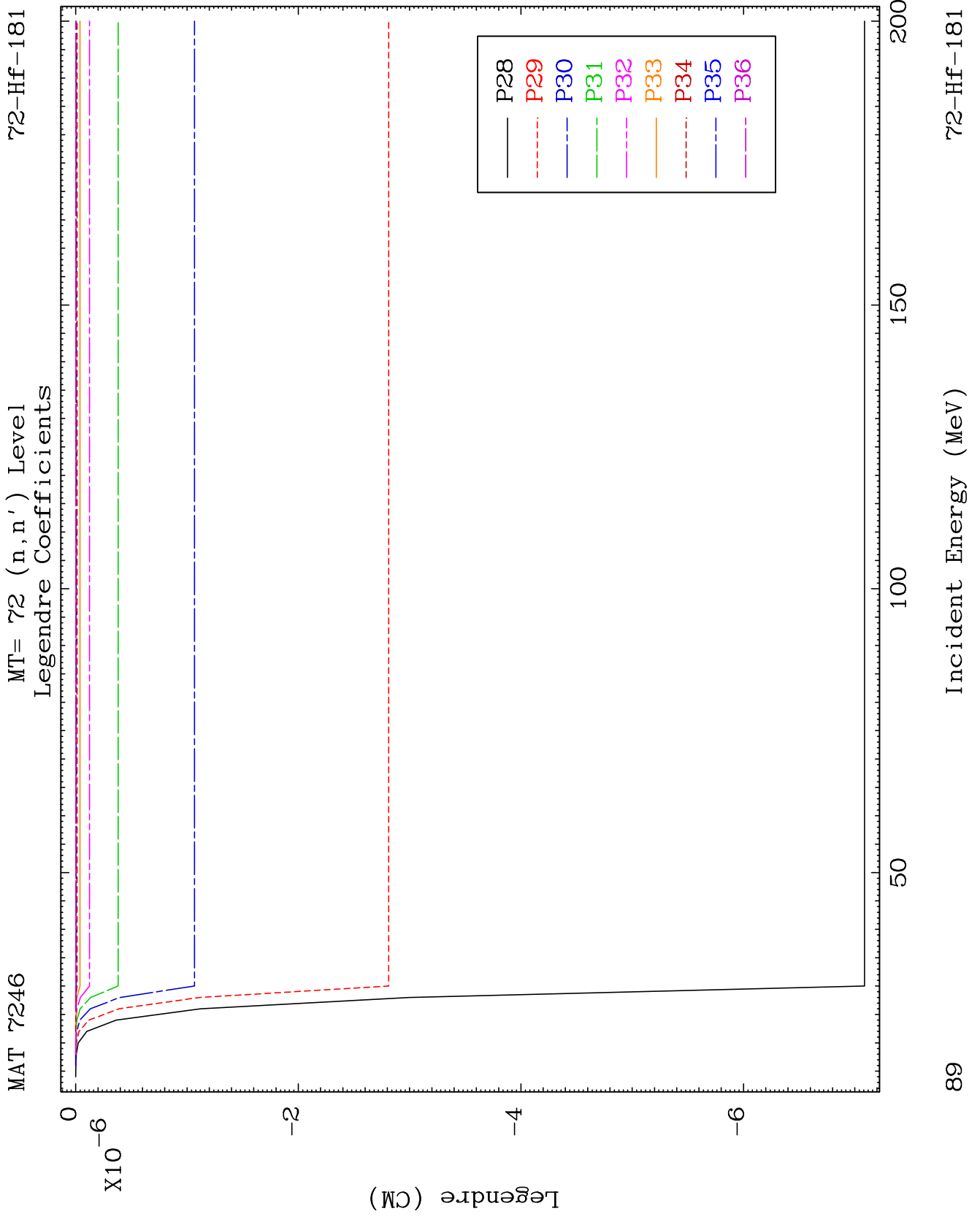
MAT 7246

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

72-Hf-181



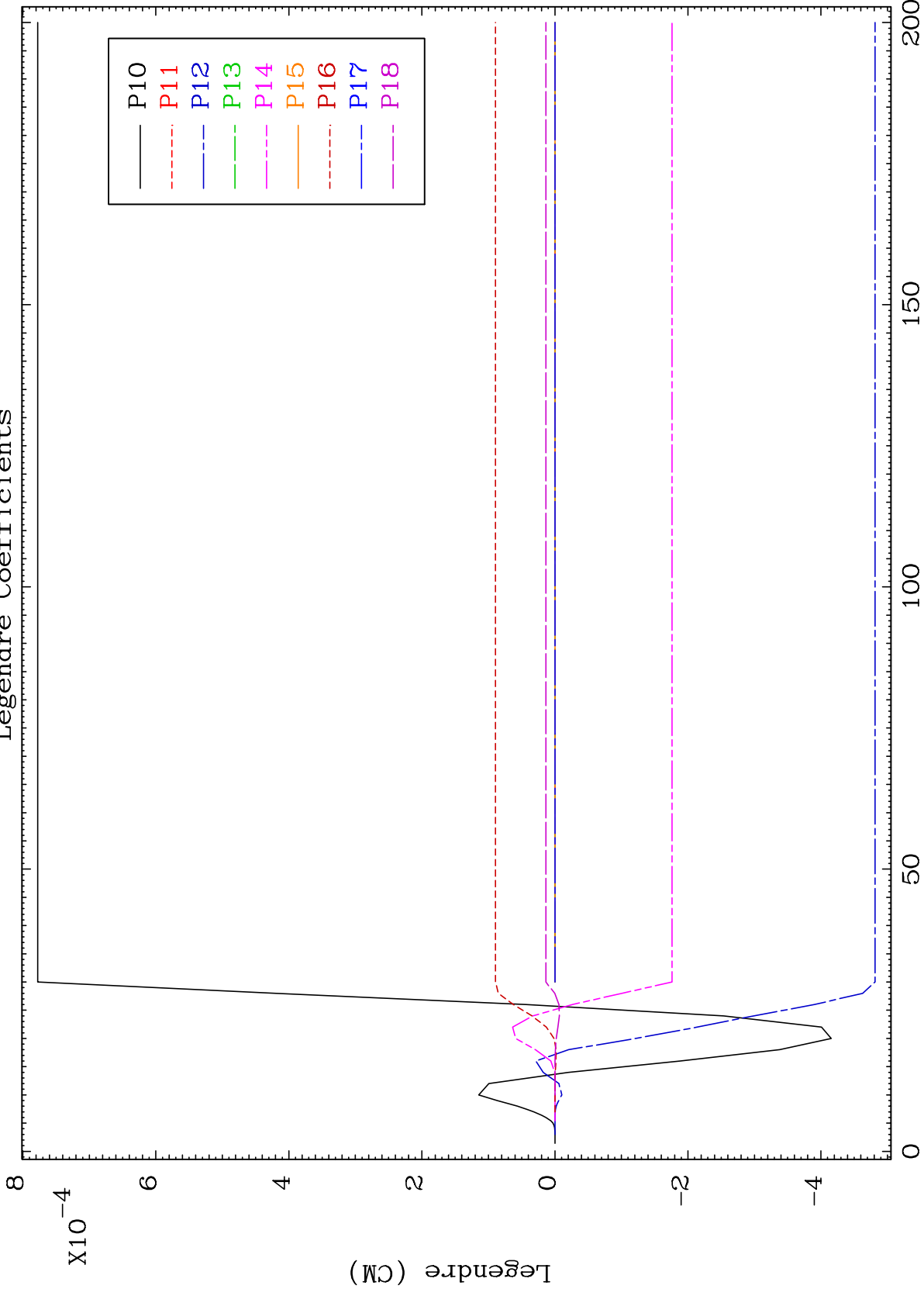
88



MAT 7246

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

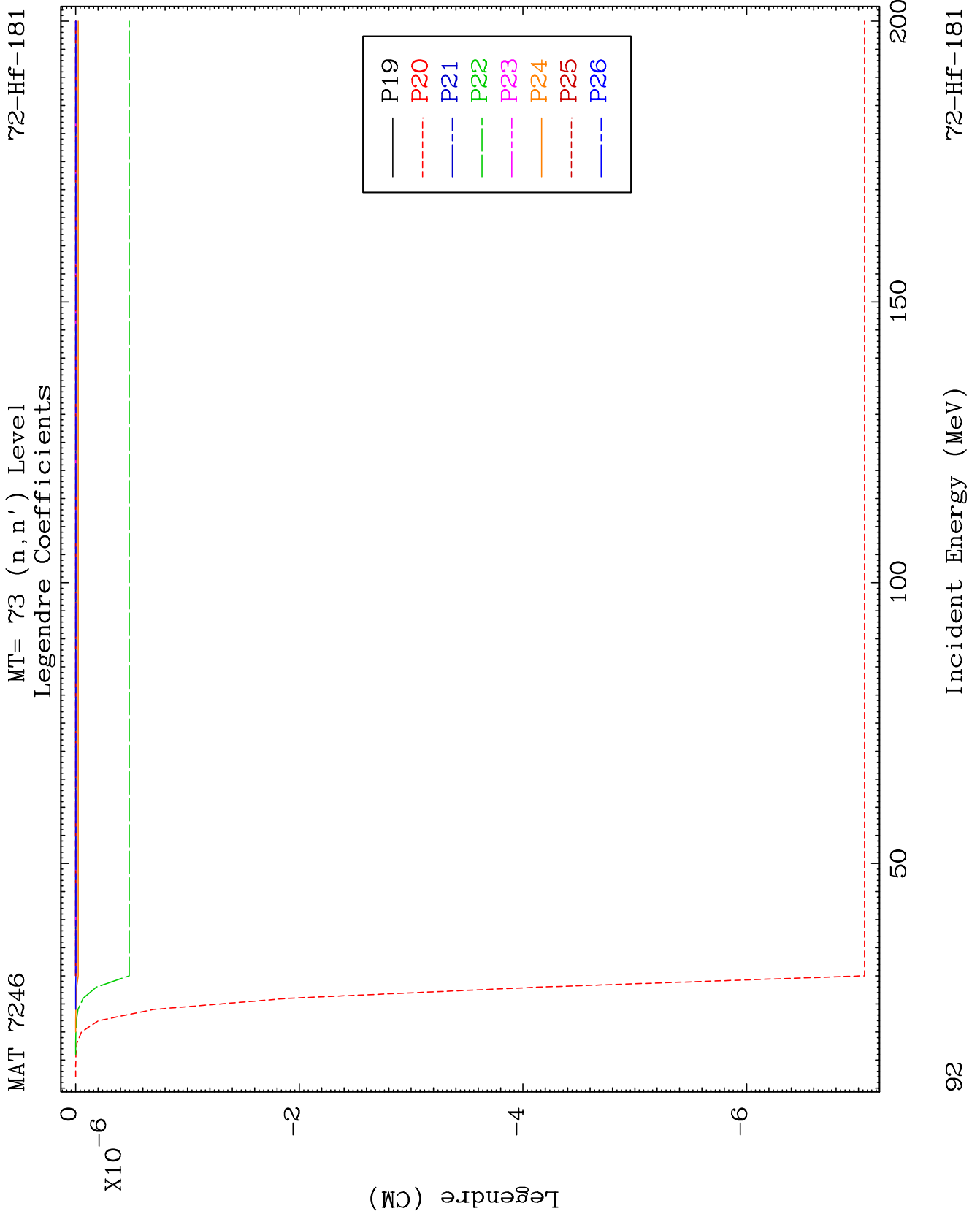
72-Hf-181



91

Incident Energy (MeV)

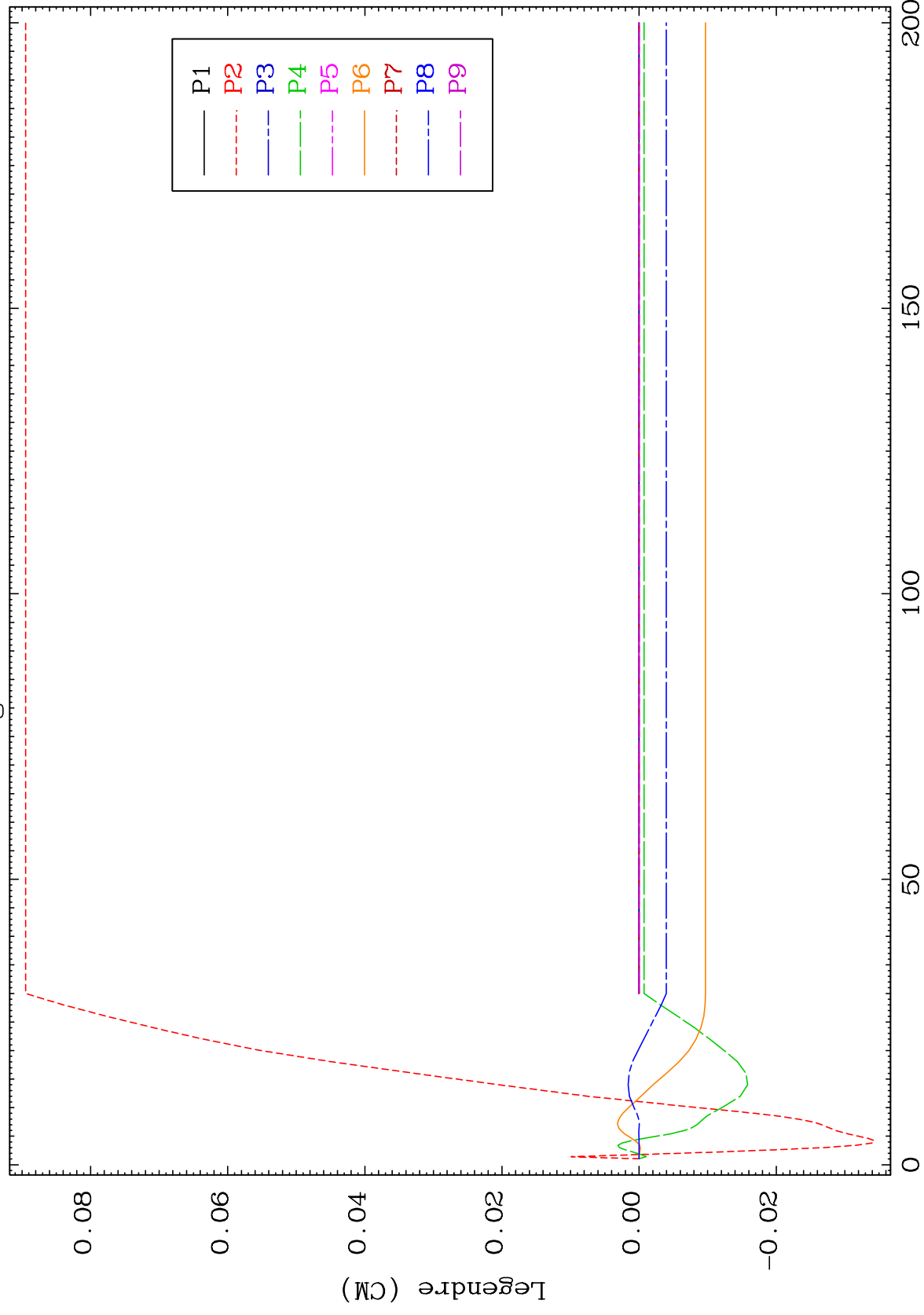
72-Hf-181



MAT 7246

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

72-Hf-181



93

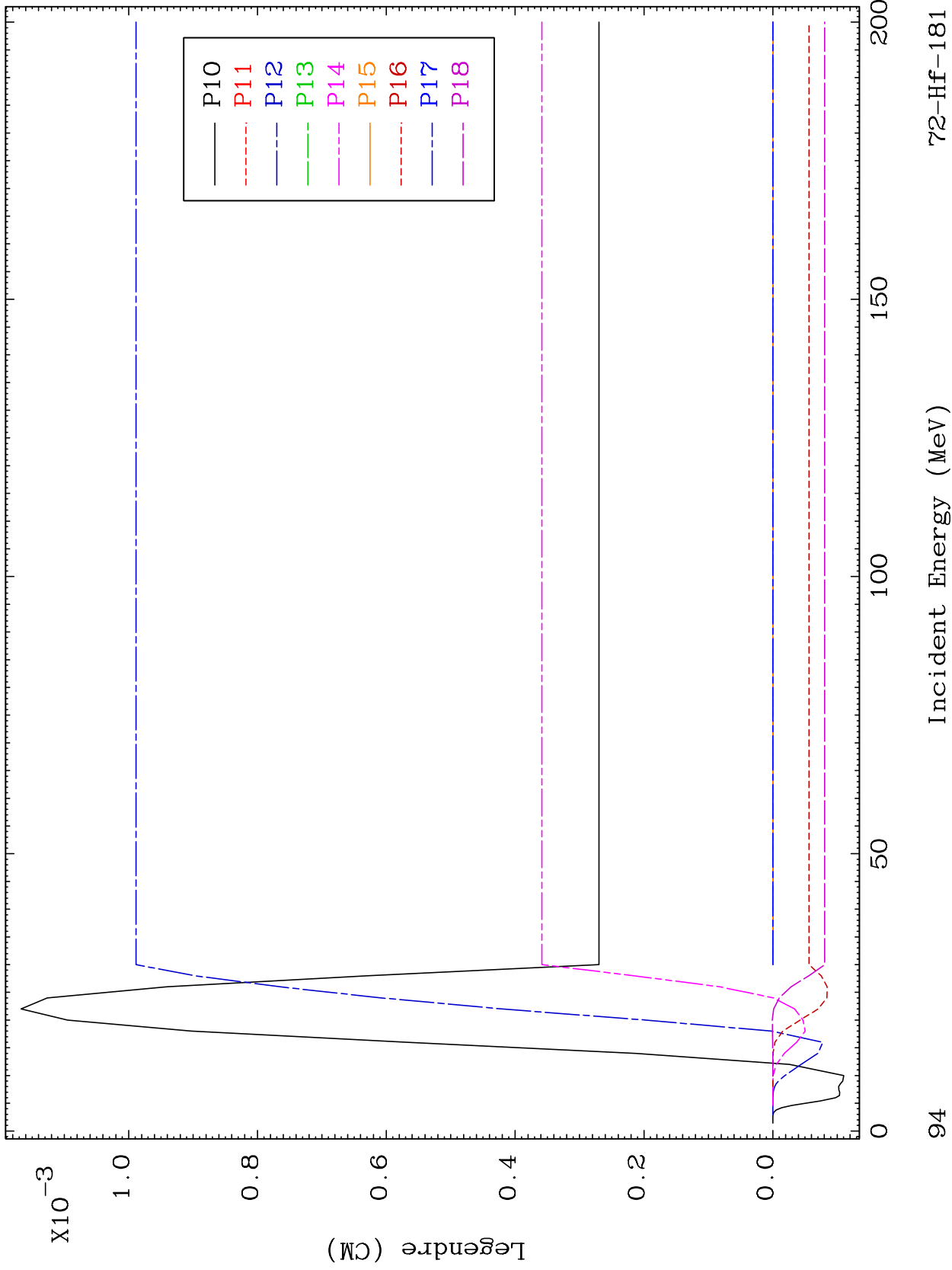
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

72-Hf-181



94

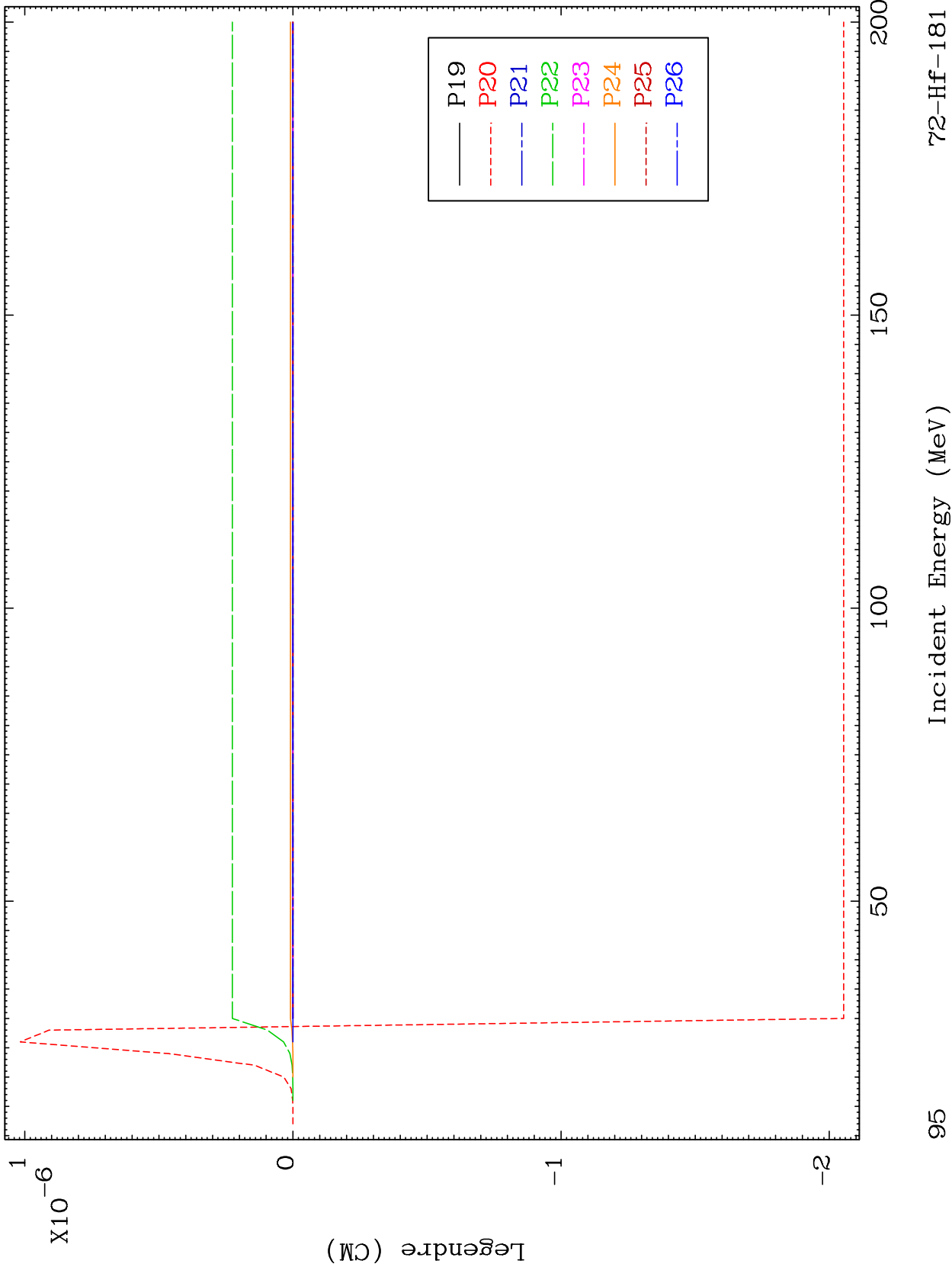
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

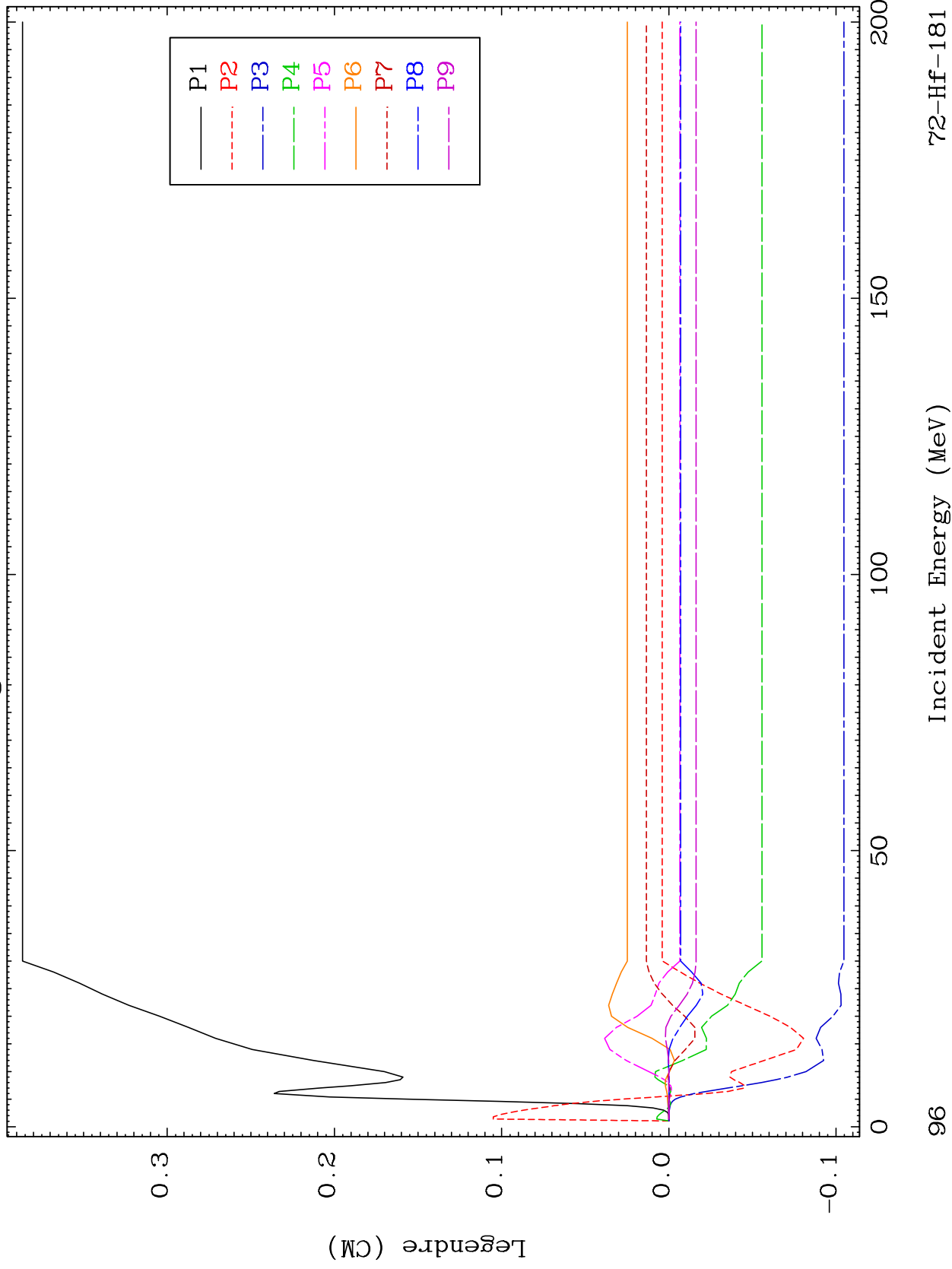
72-Hf-181



MAT 7246

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

72-Hf-181



72-Hf-181

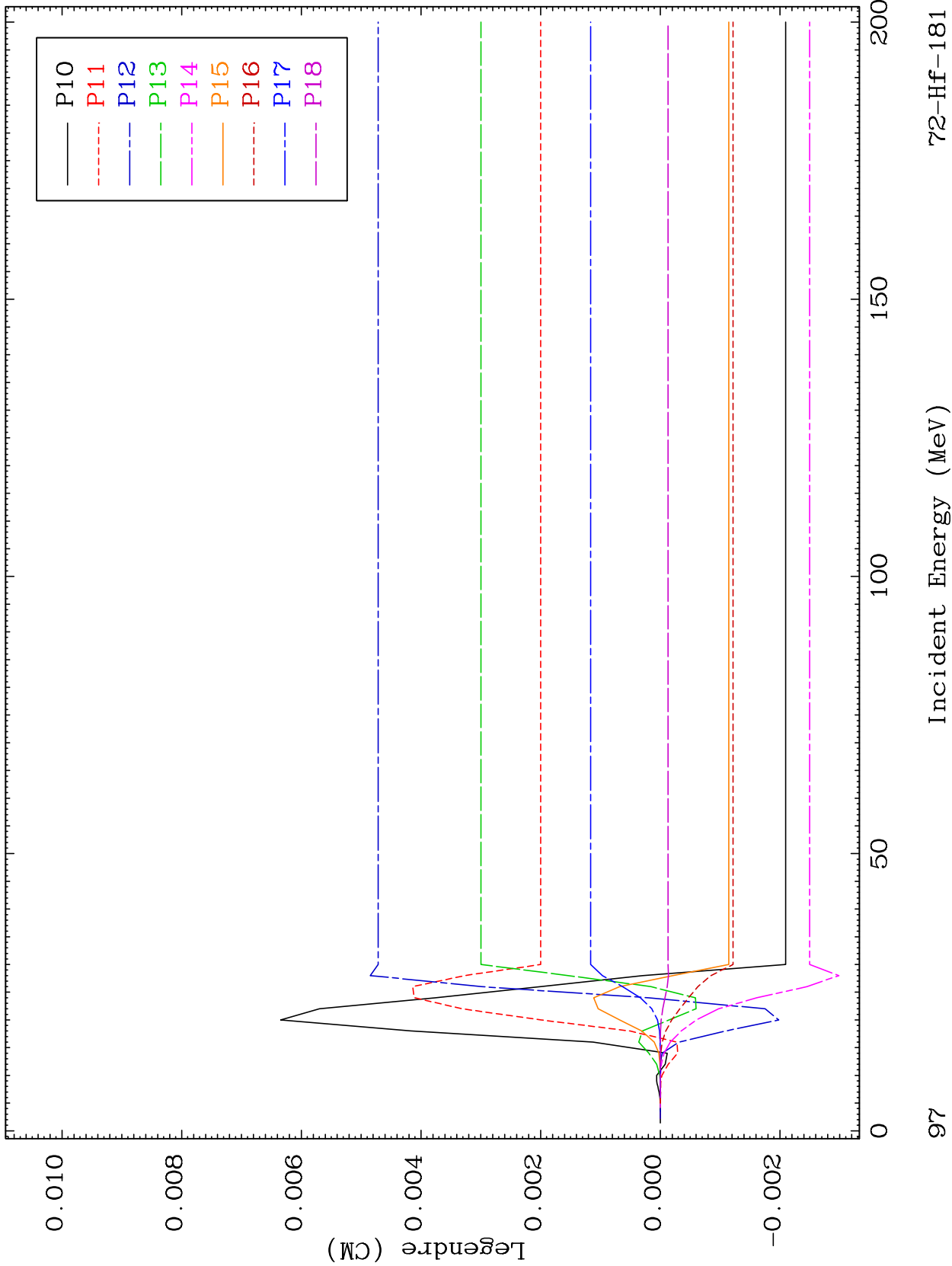
Incident Energy (MeV)

96

MAT 7246

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

72-Hf-181



97

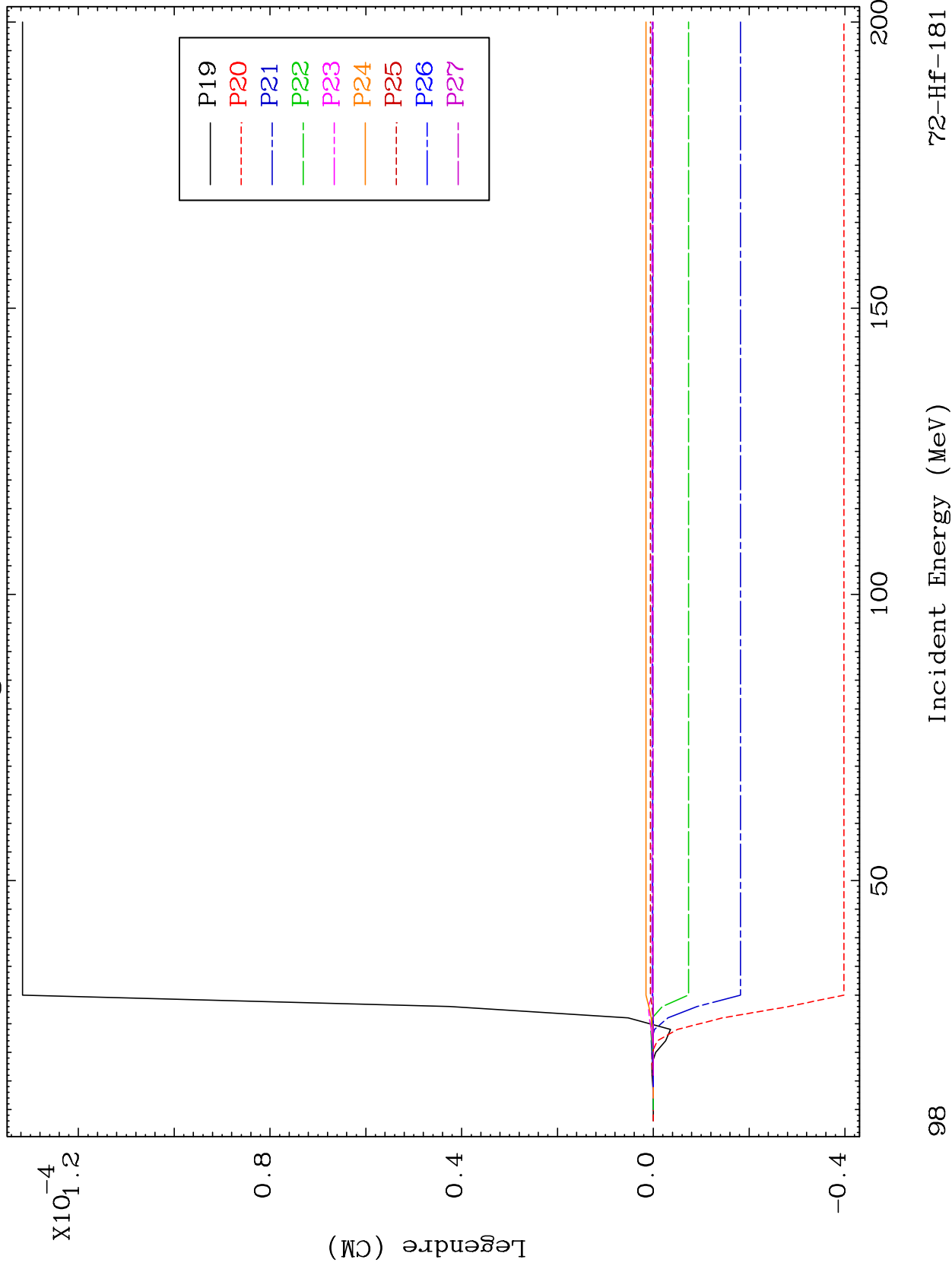
Incident Energy (MeV)

72-Hf-181

MAT 7246

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

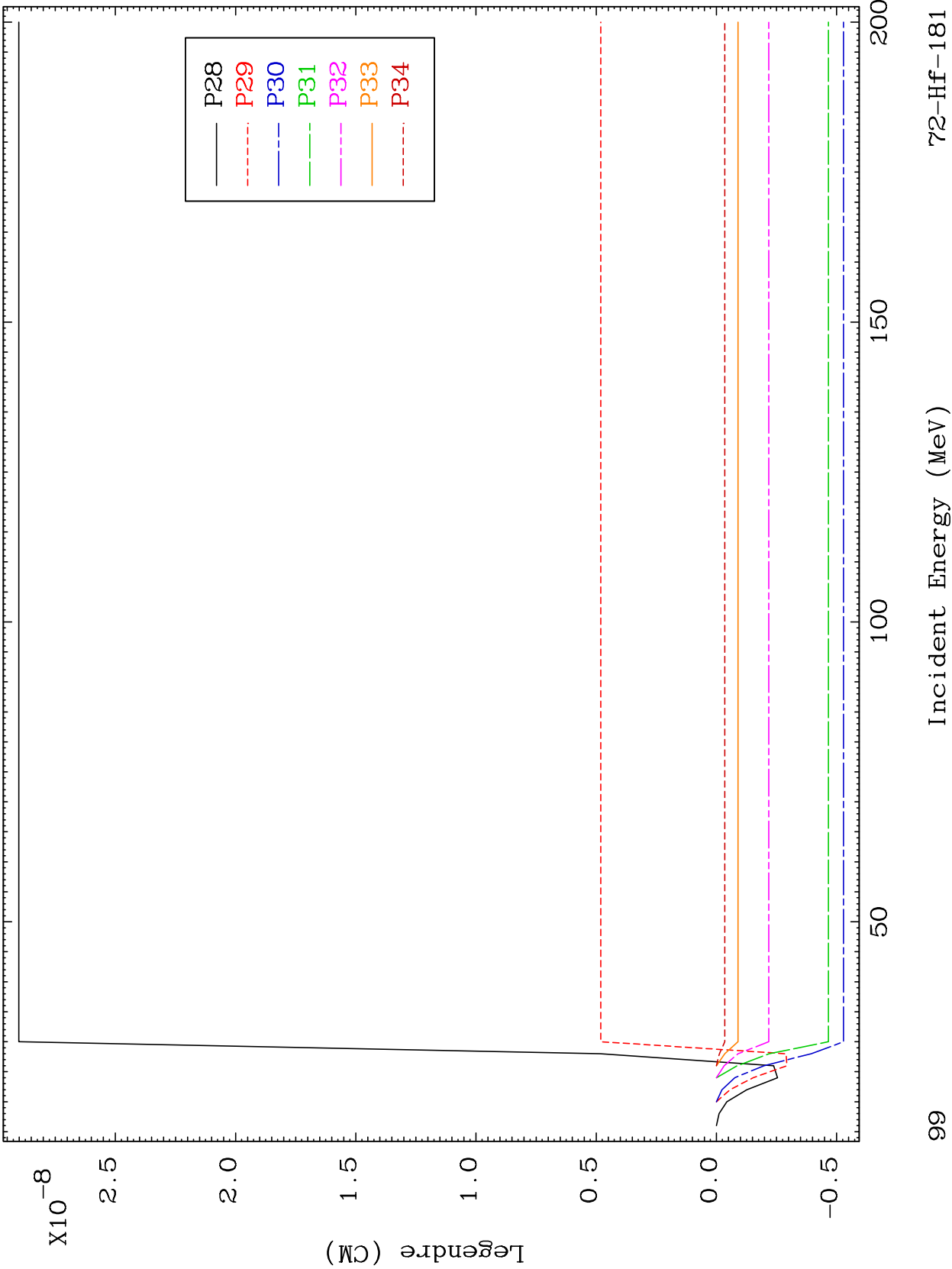
72-Hf-181

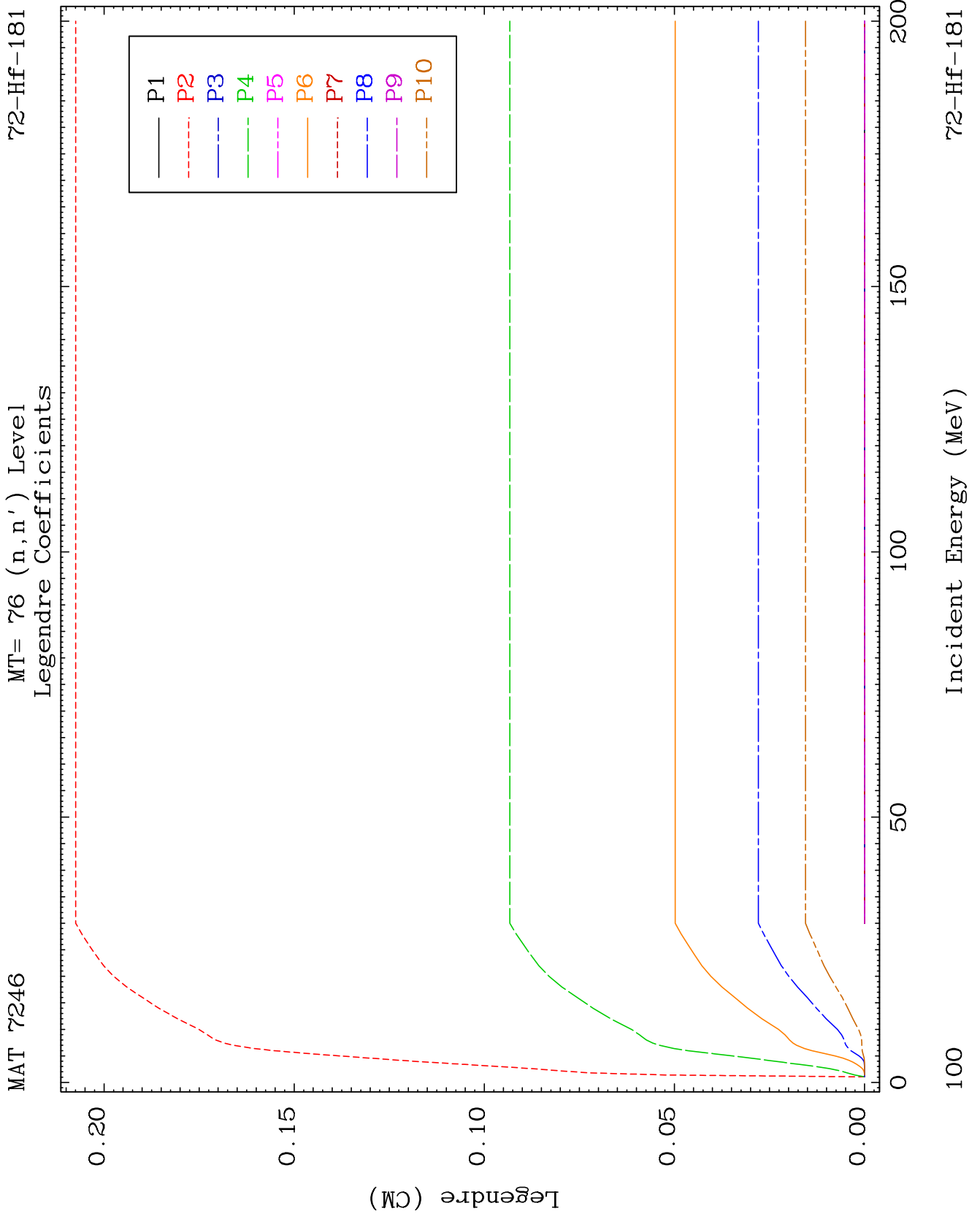


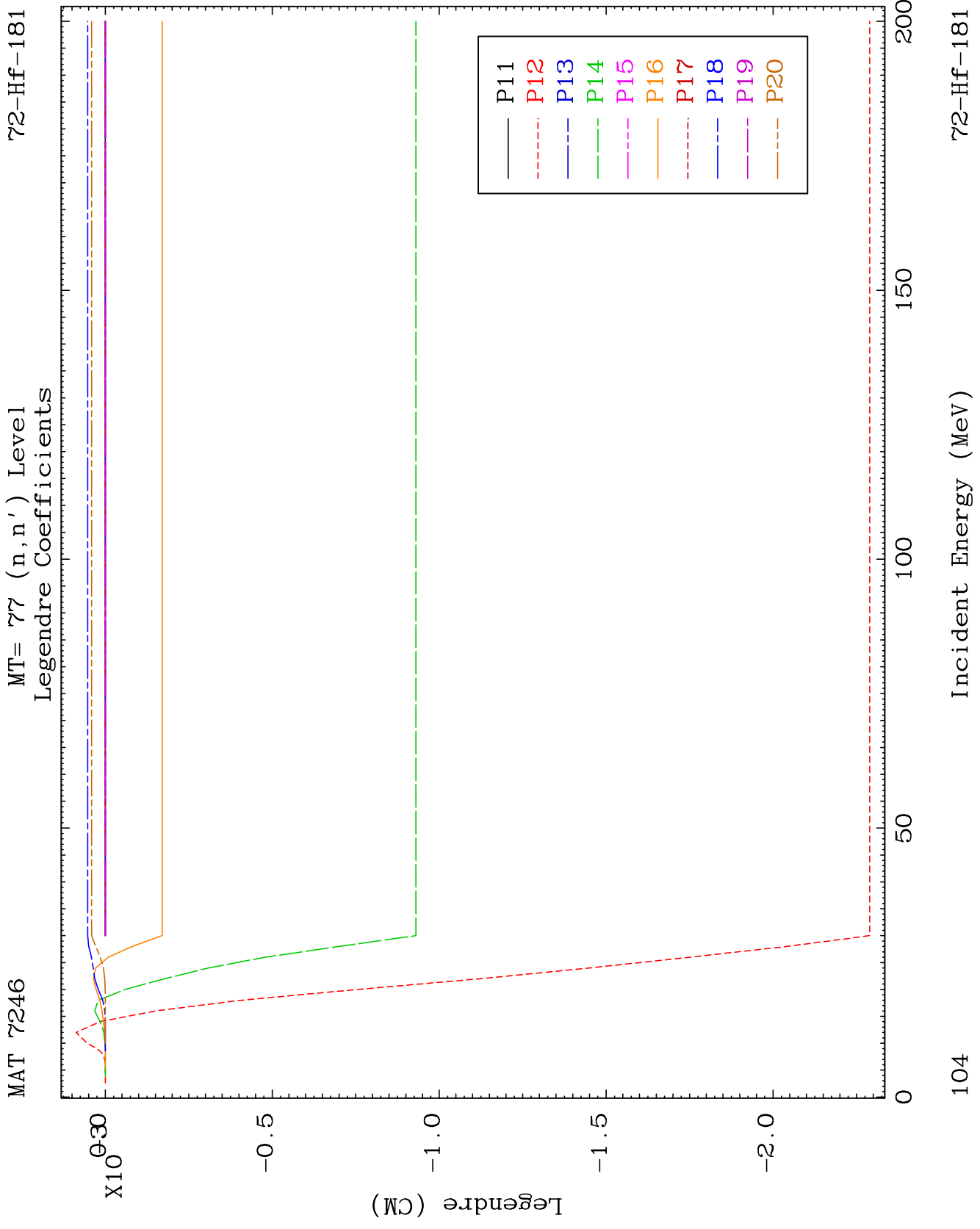
MAT 7246

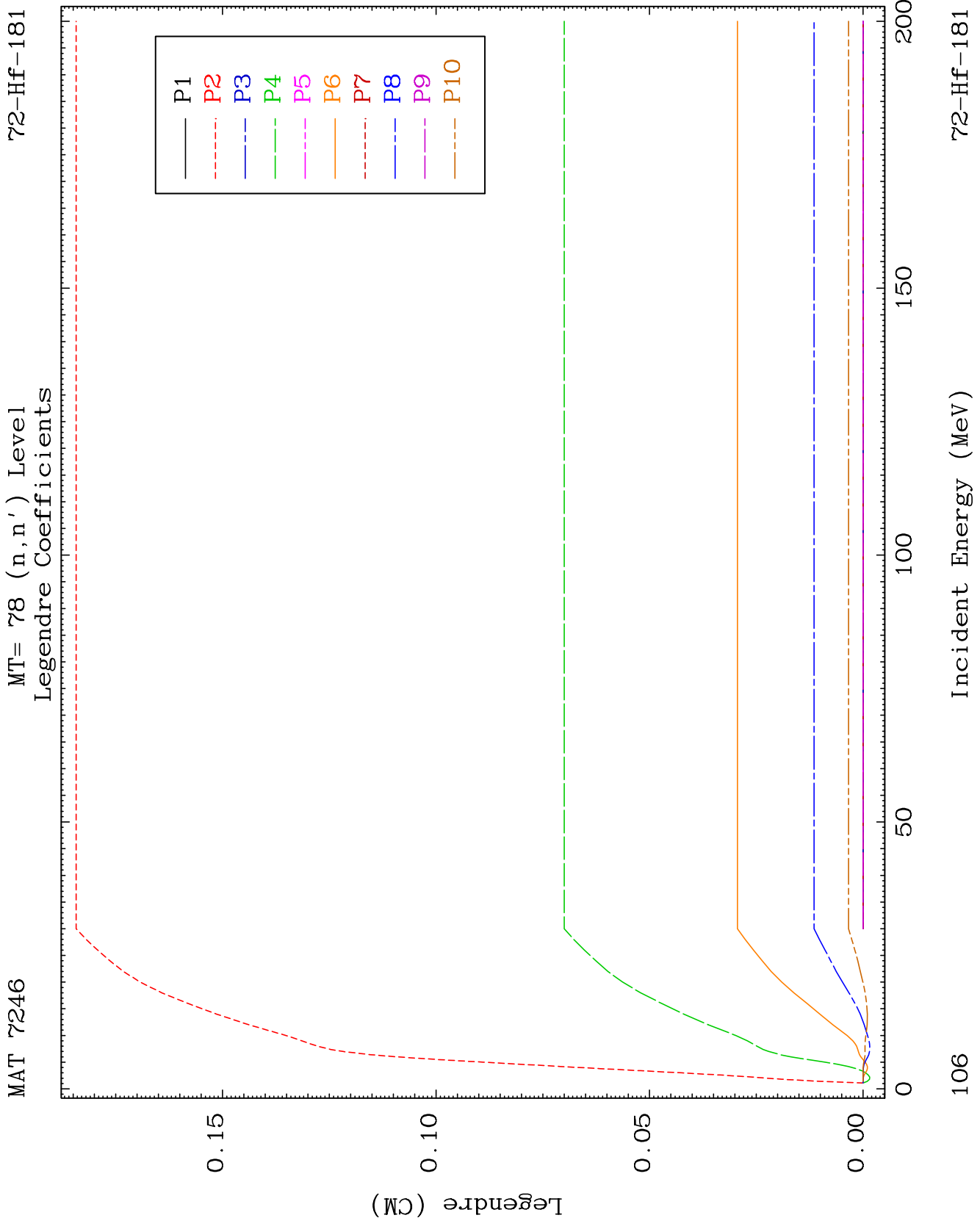
MT= 75 (n,n') Level
Legendre Coefficients

72-Hf-181





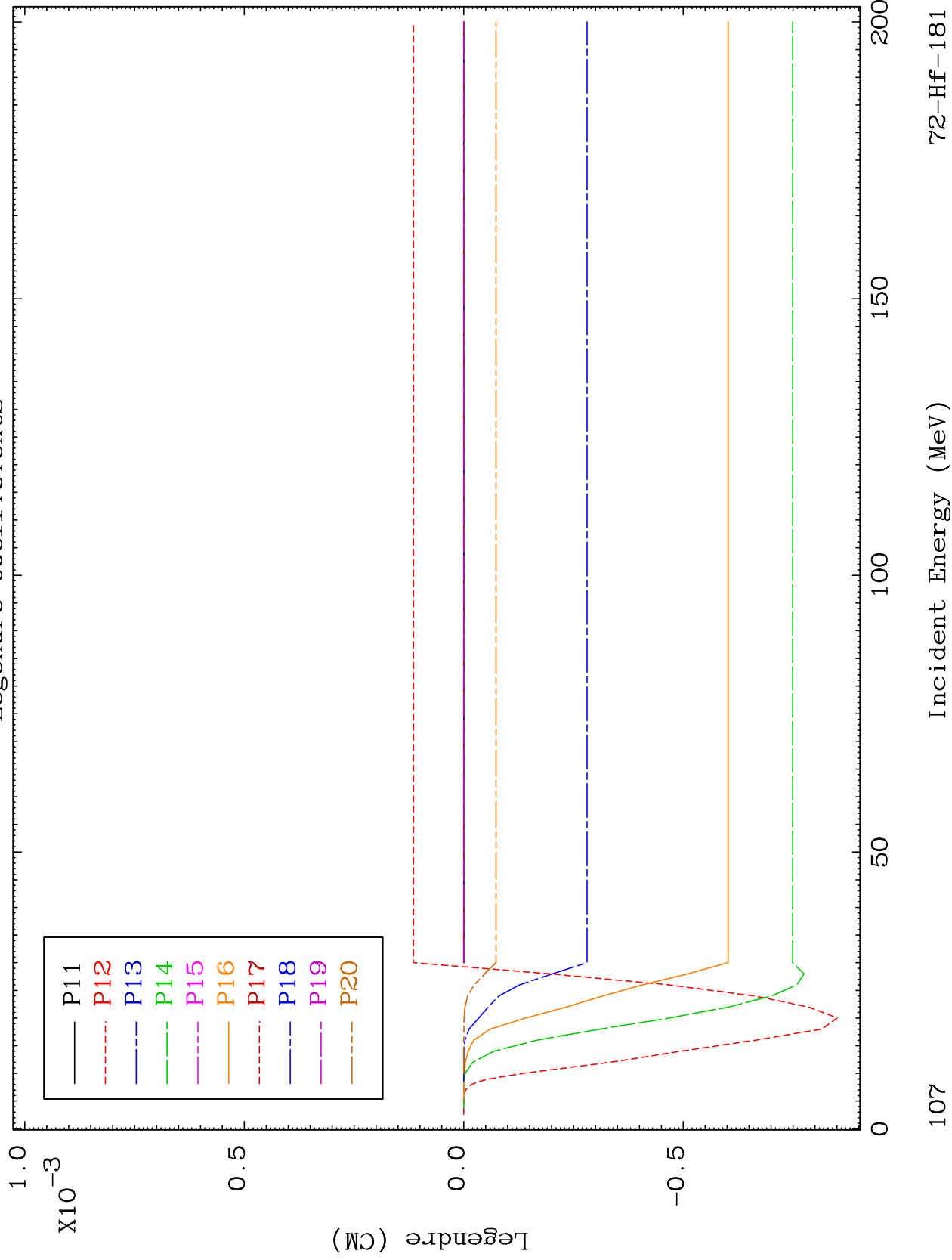




MAT 7246

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

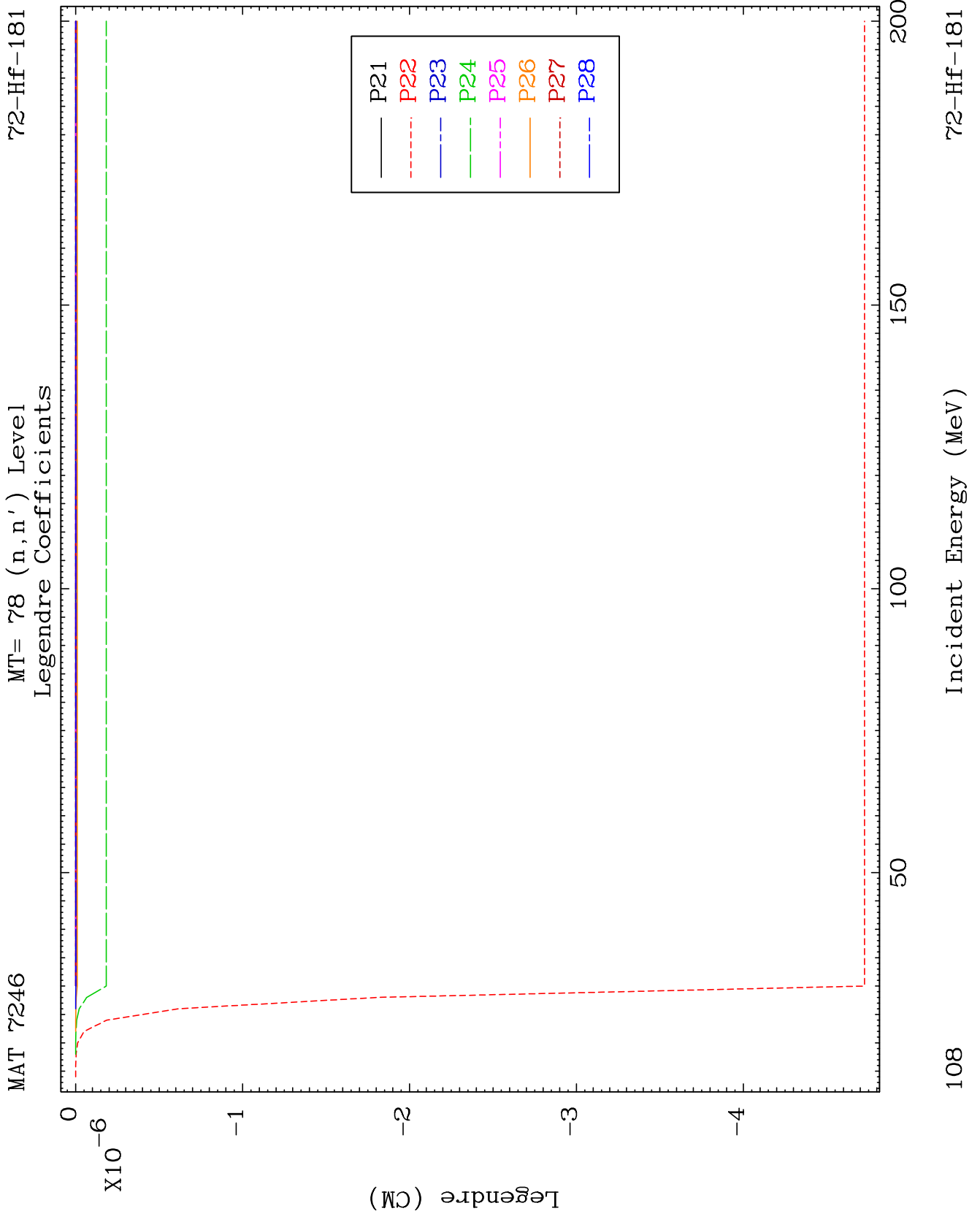
72-Hf-181

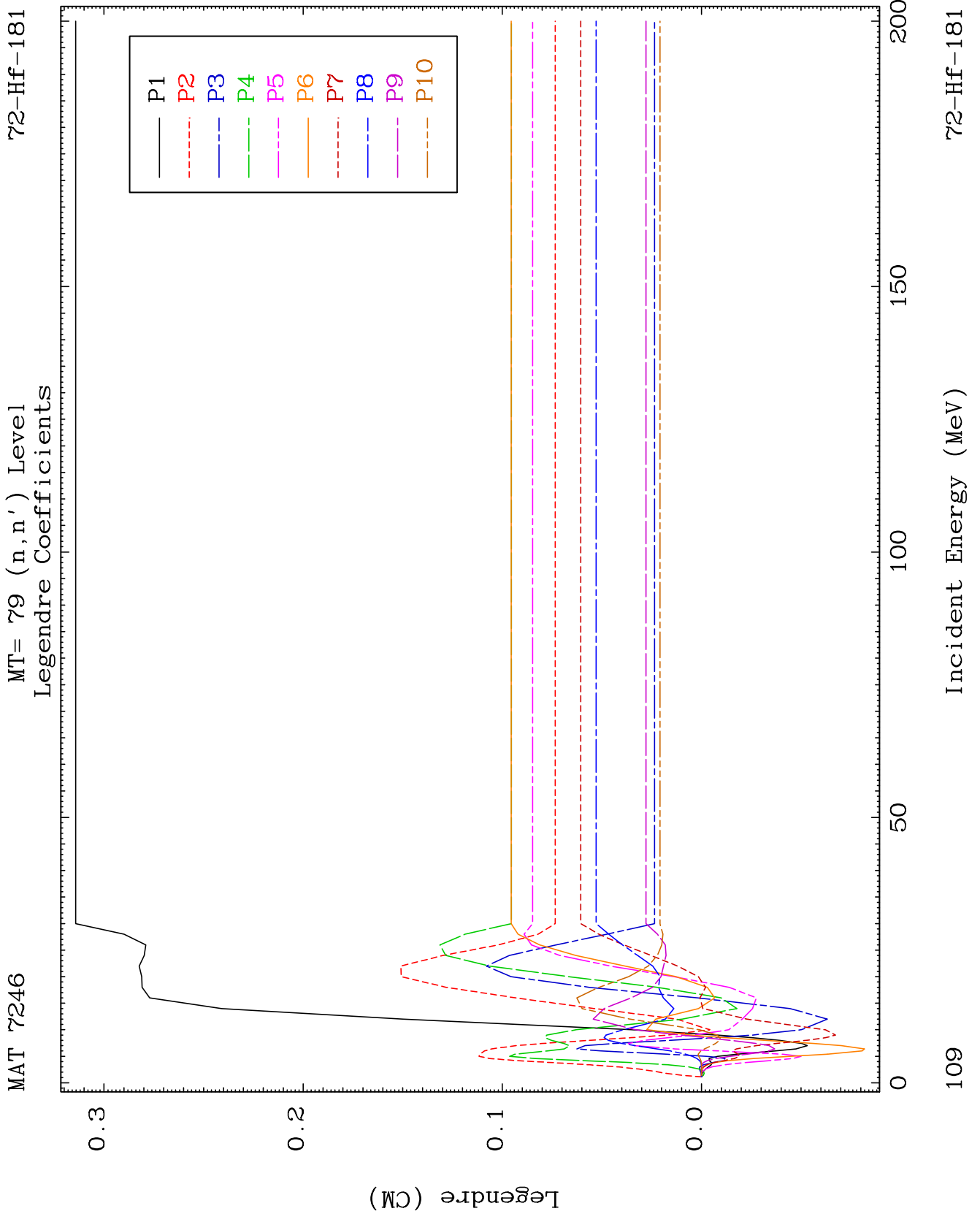


107

Incident Energy (MeV)

72-Hf-181

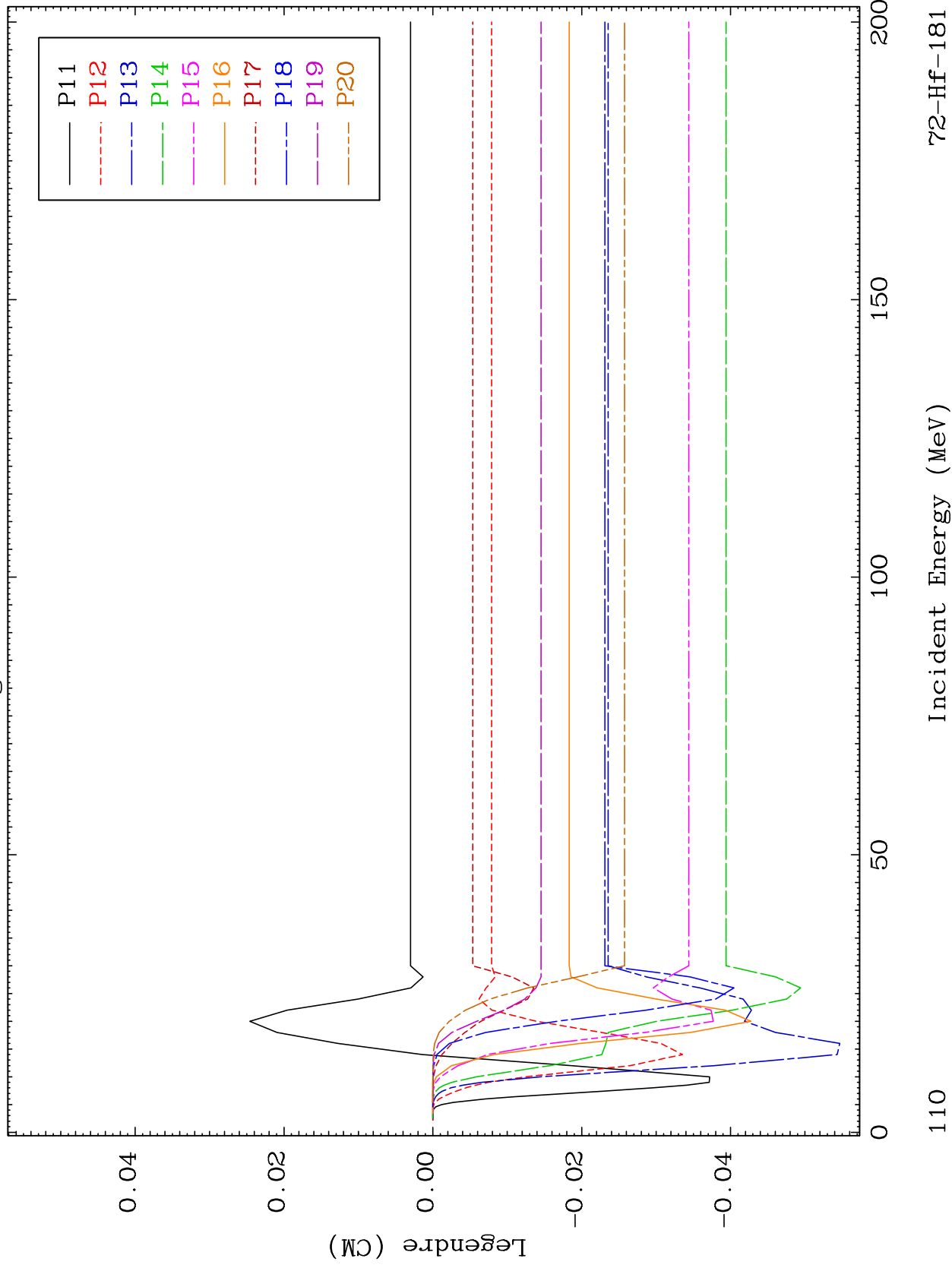




MAT 7246

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

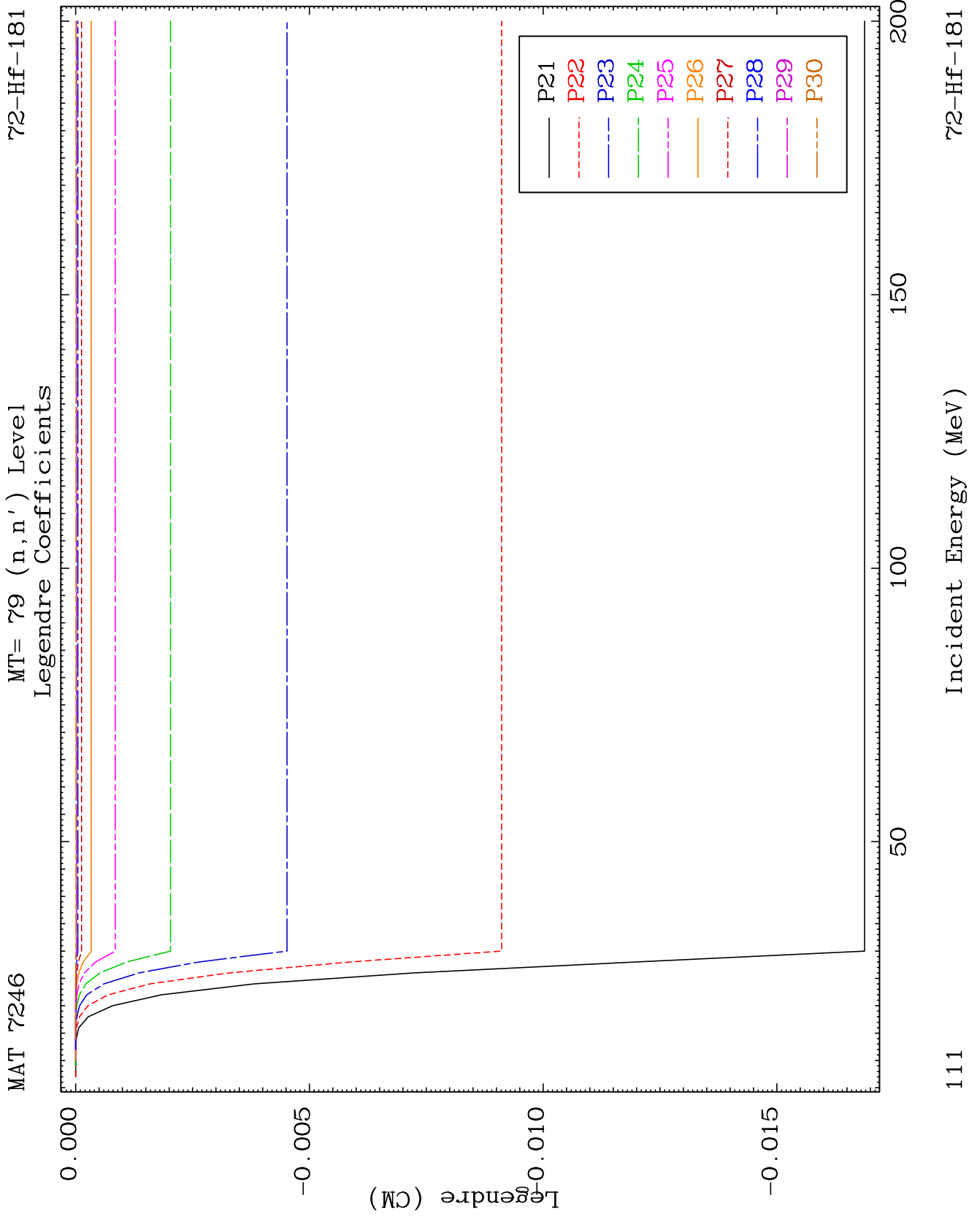
72-Hf-181

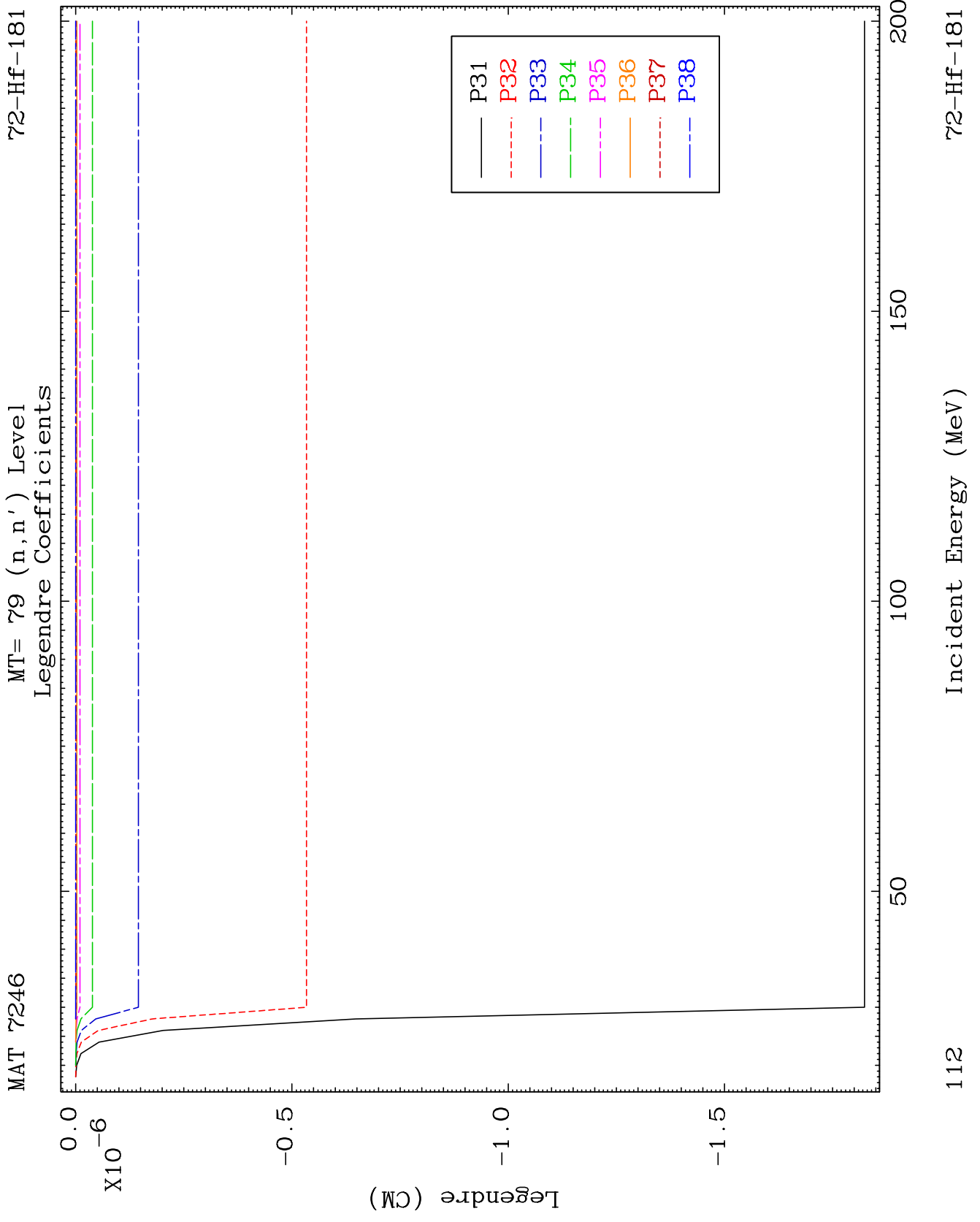


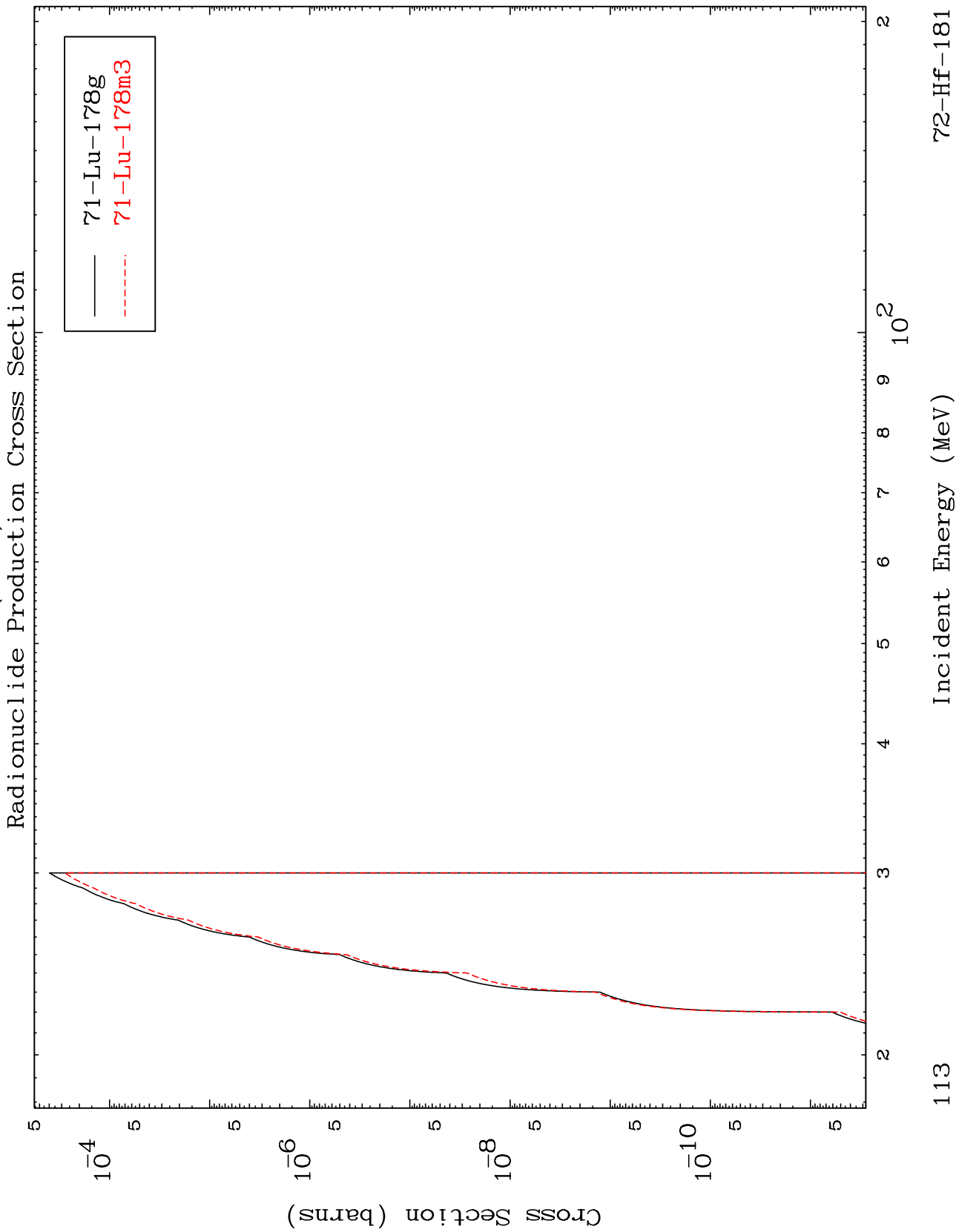
72-Hf-181

Incident Energy (MeV)

110





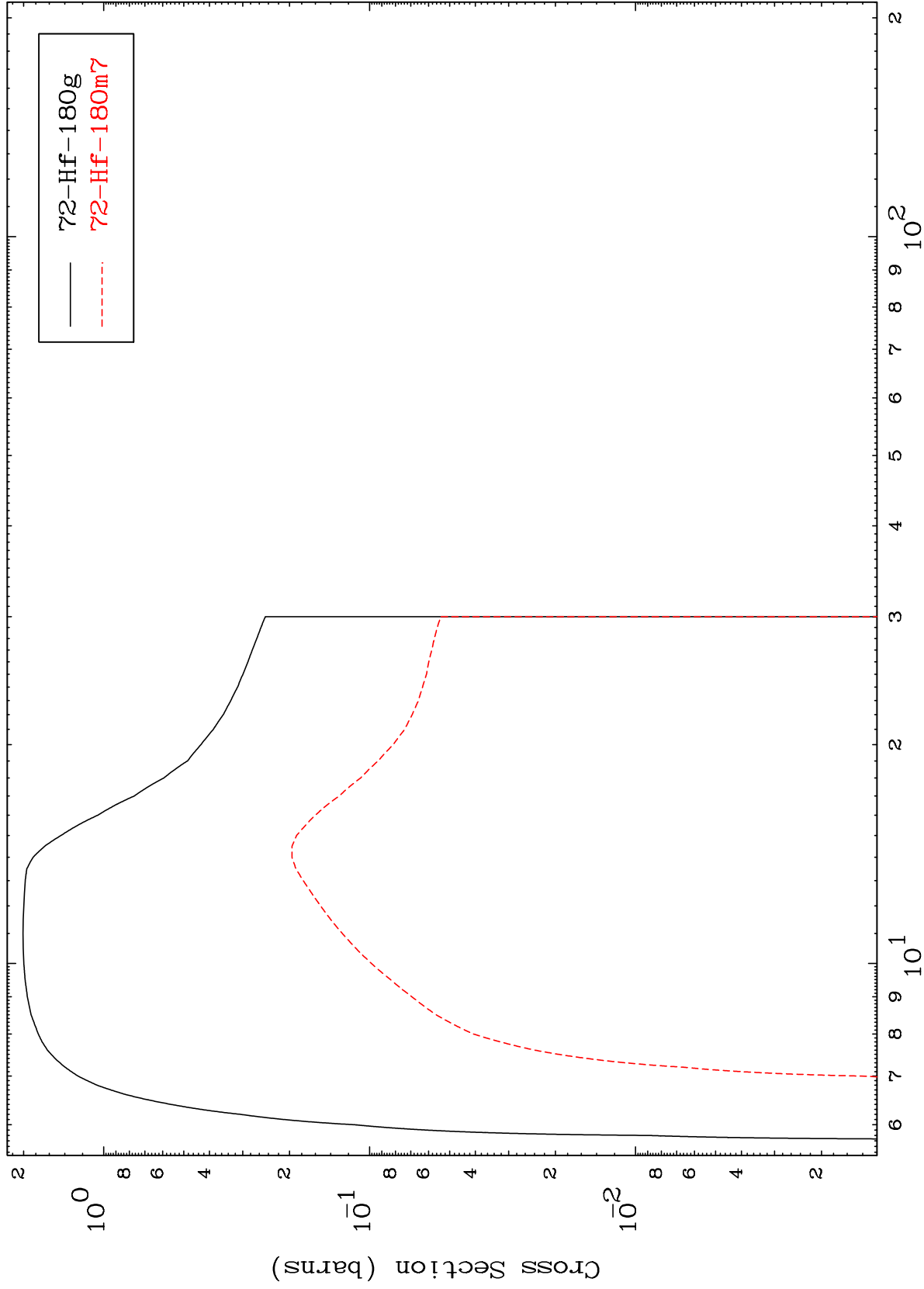


MAT 7246

(n,2n)

72-Hf-181

Radionuclide Production Cross Section



114

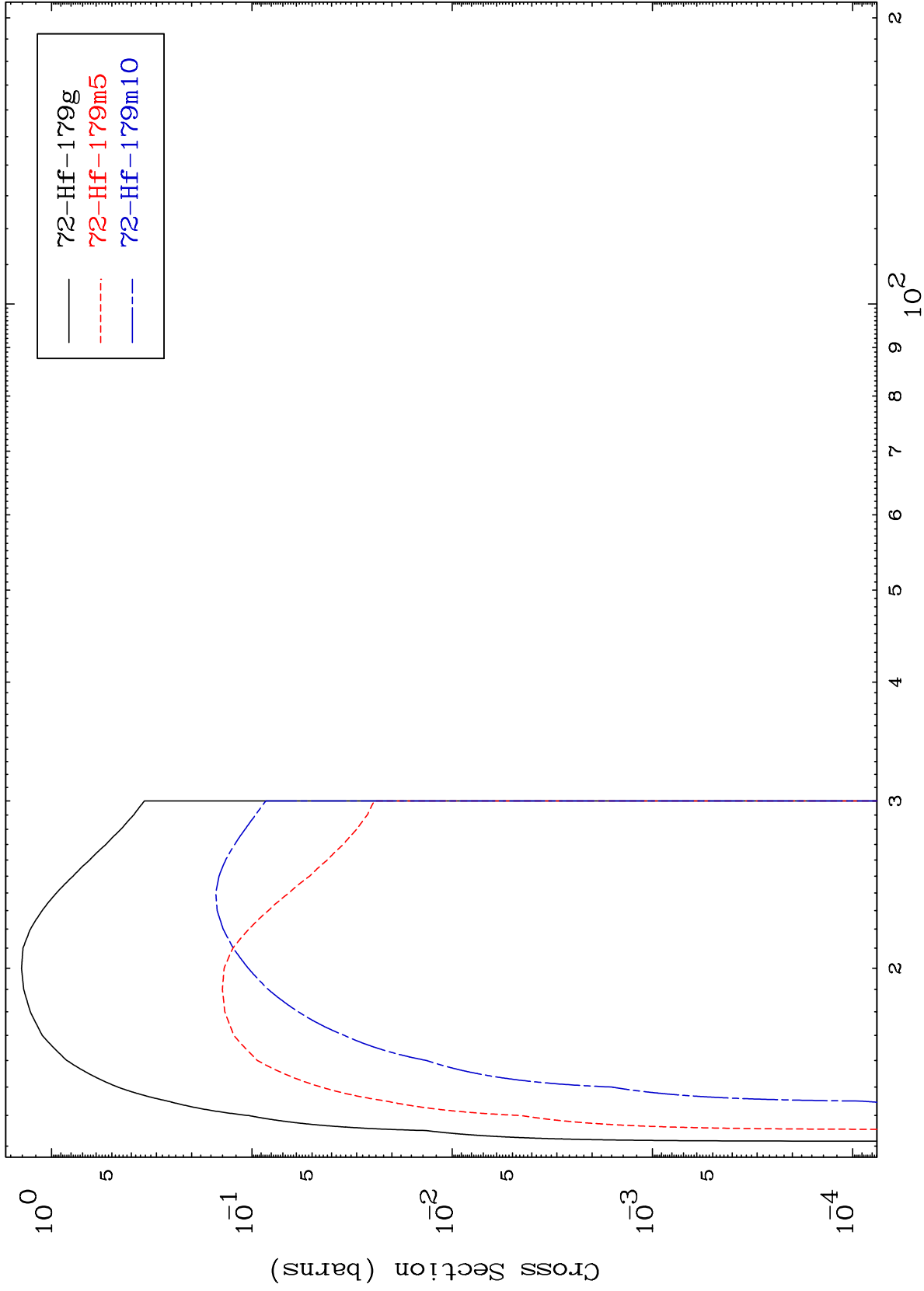
Incident Energy (MeV)

72-Hf-181

MAT 7246

72-Hf-181

(n,3n)
Radionuclide Production Cross Section



115

Incident Energy (MeV)

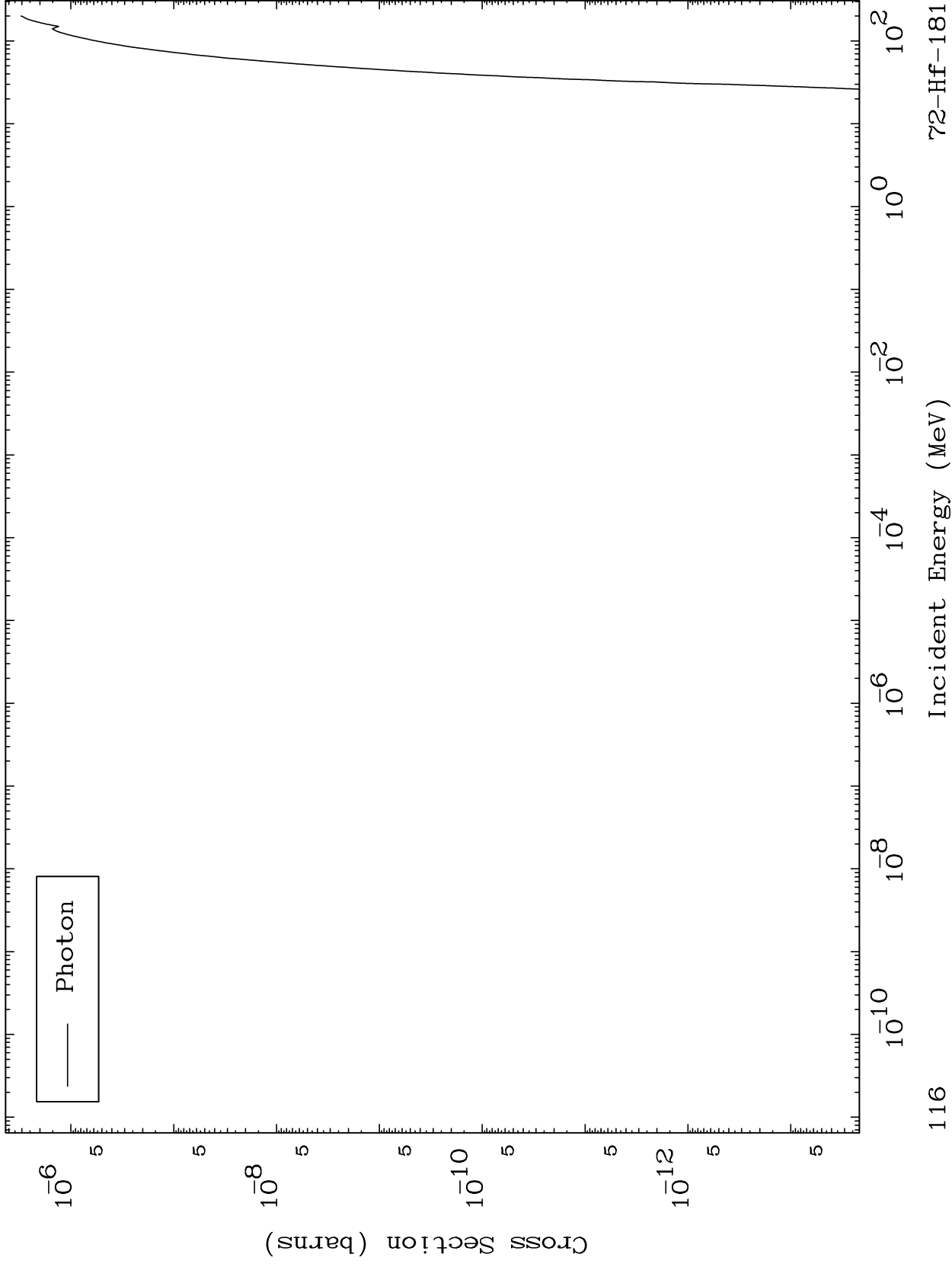
72-Hf-181

MAT 7246

Fission

72-Hf-181

Radionuclide Production Cross Section

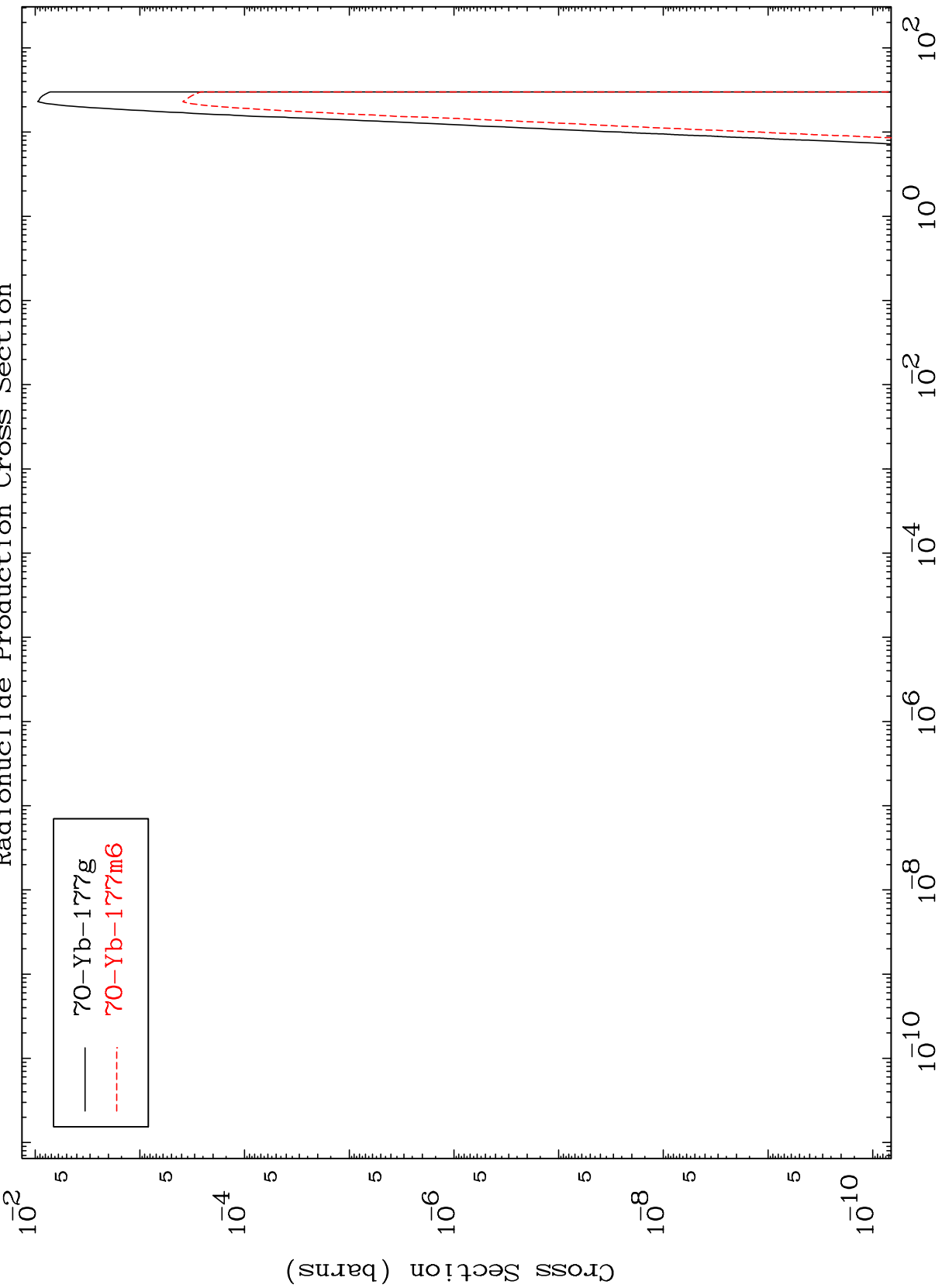


MAT 7246

$(n, n') \alpha$

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

Radionuclide Production Cross Section



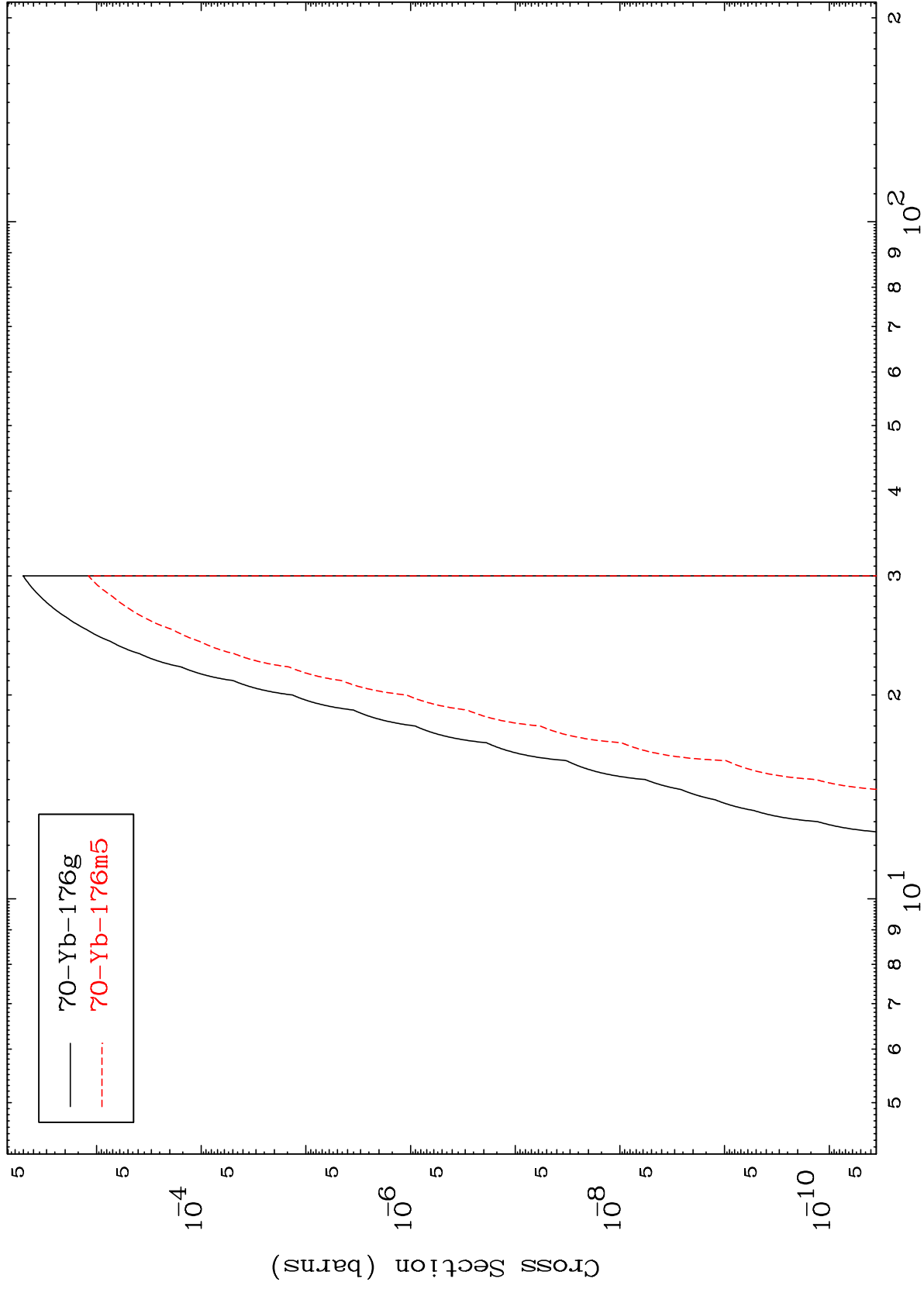
— $^{70}\text{Yb-177g}$
- - - $^{70}\text{Yb-177m6}$

MAT 7246

$(n,2n) \alpha$

72-Hf-181

Radionuclide Production Cross Section

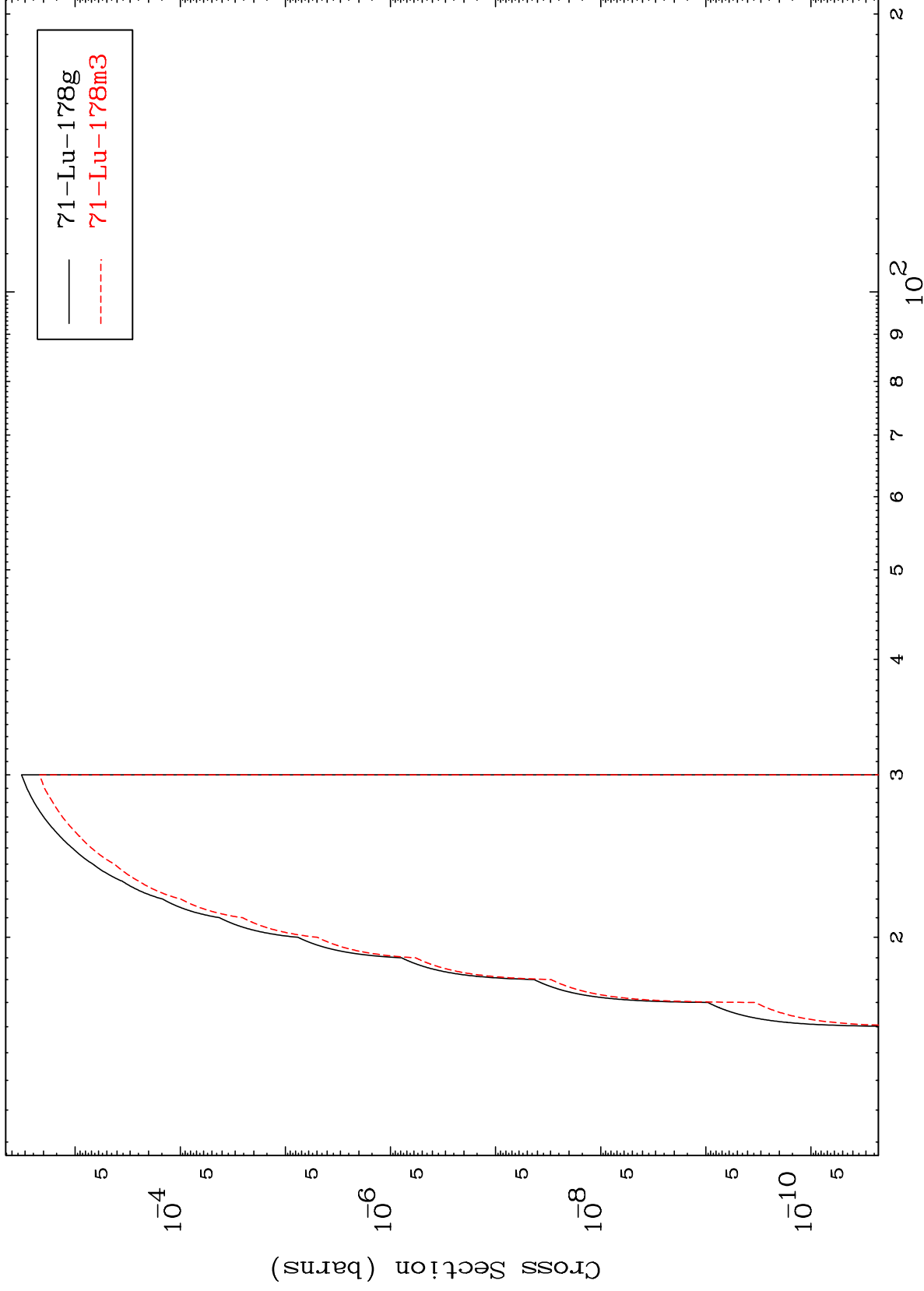


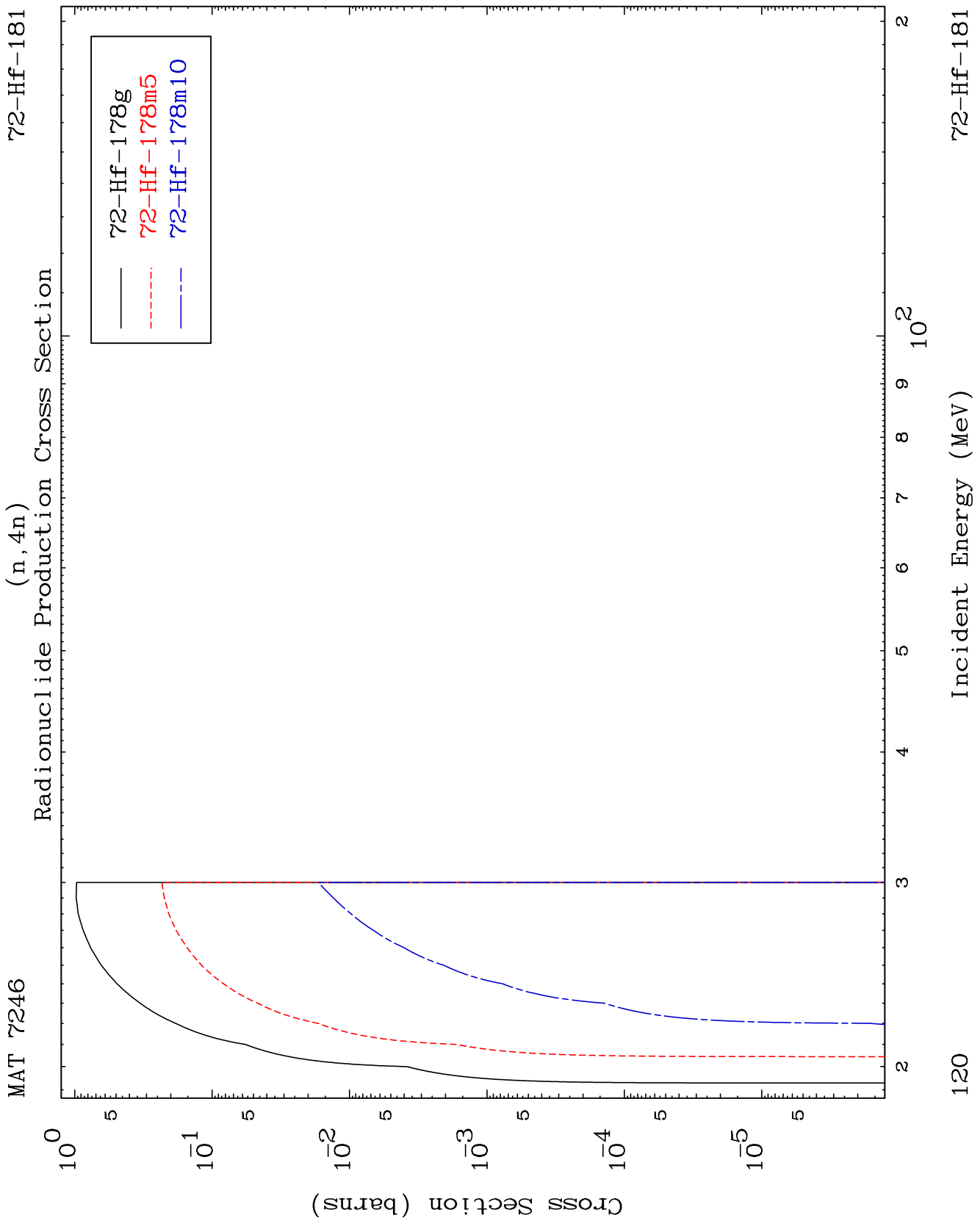
118

Incident Energy (MeV)

72-Hf-181

Radionuclide Production Cross Section



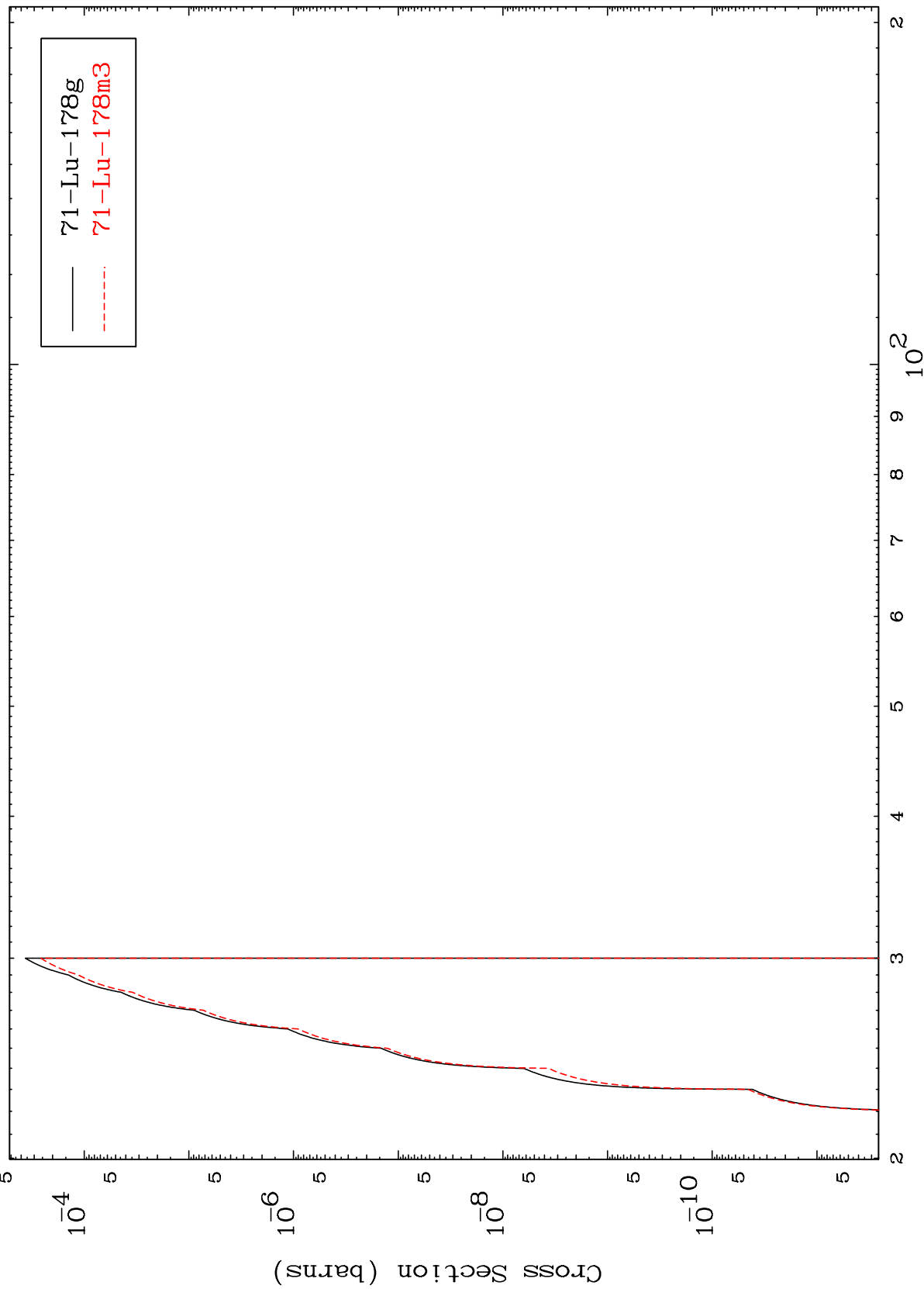


MAT 7246

(n,3n) p

72-Hf-181

Radionuclide Production Cross Section



121

Incident Energy (MeV)

72-Hf-181

MAT 7246

⁷²Hf-181

Radionuclide Production Cross Section

