

Program EVALPLOT
(Version 2015-2)

by

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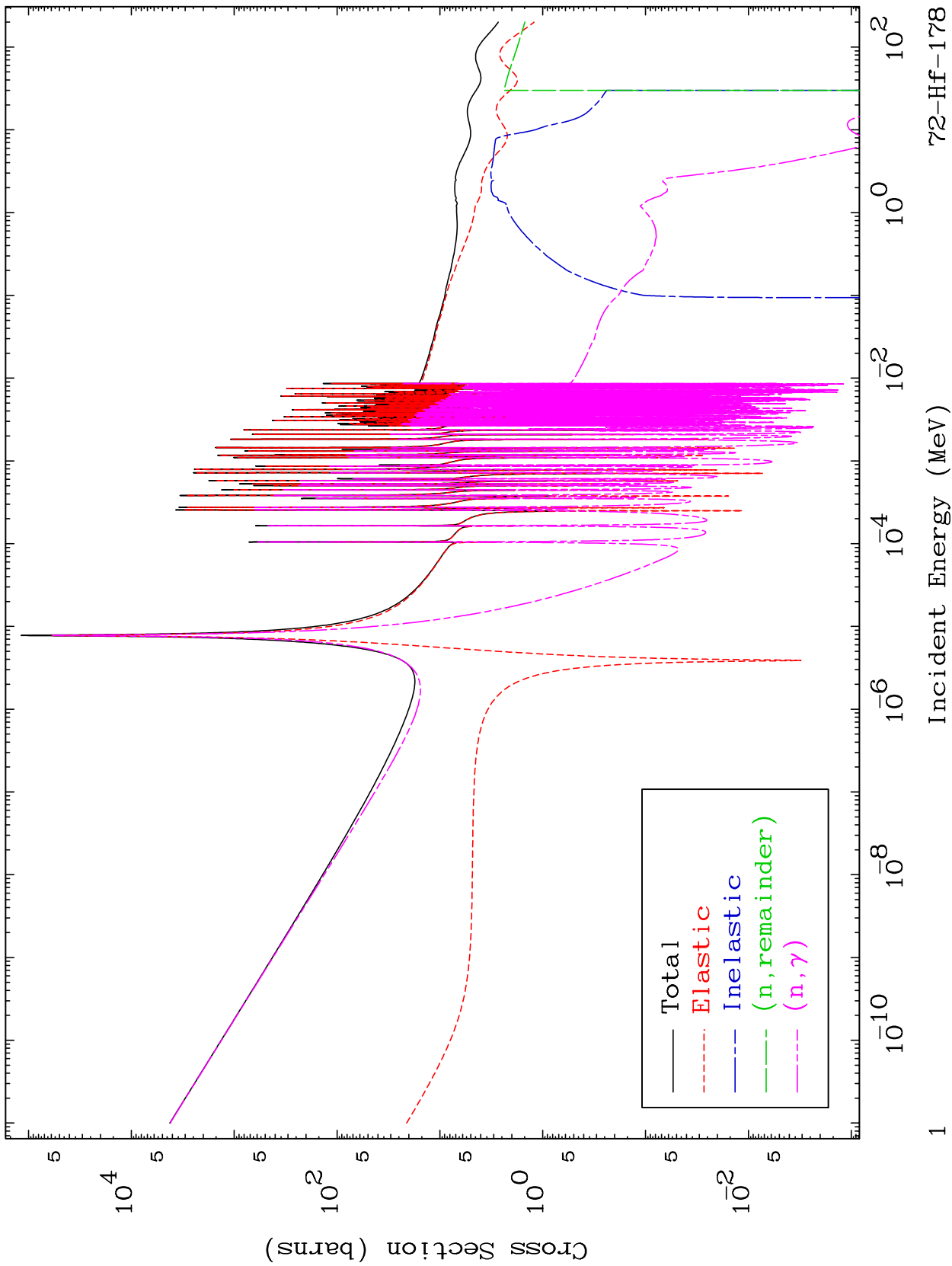
Press Mouse Button to Start

MAT 7237

Major

293 Kelvin Cross Sections

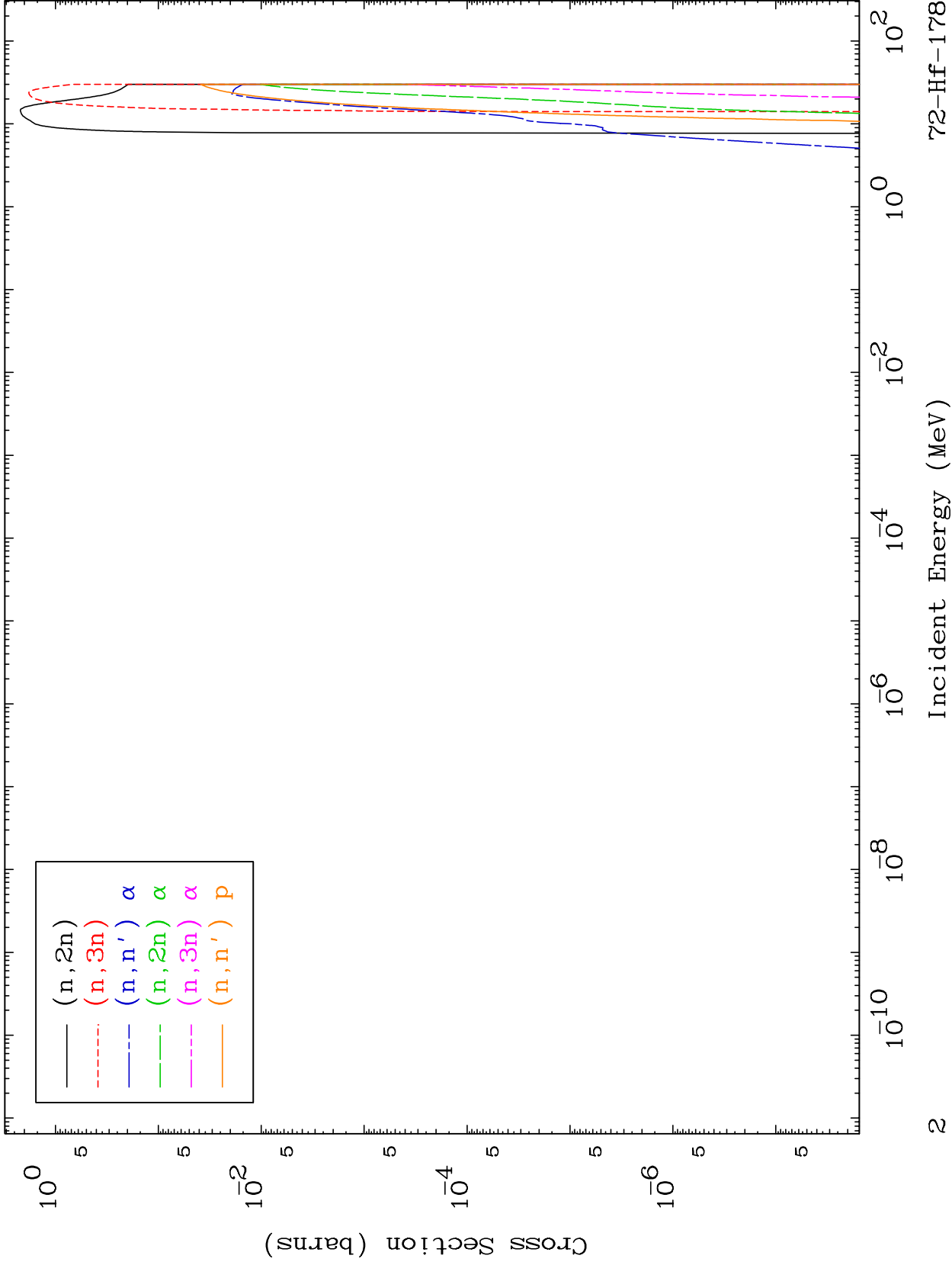
72-Hf-178

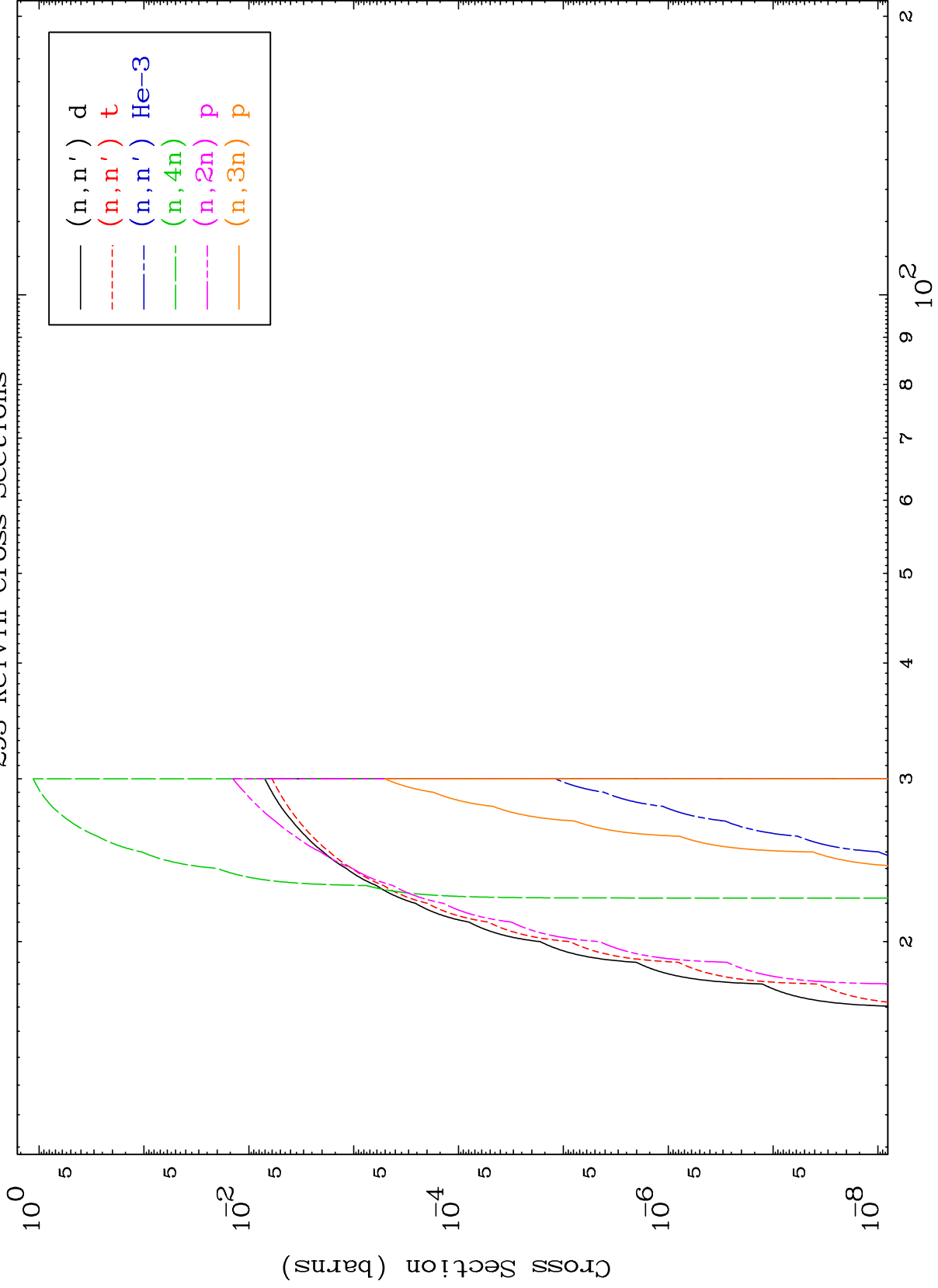


MAT 7237

Neutron Production
293 Kelvin Cross Sections

72-Hf-178

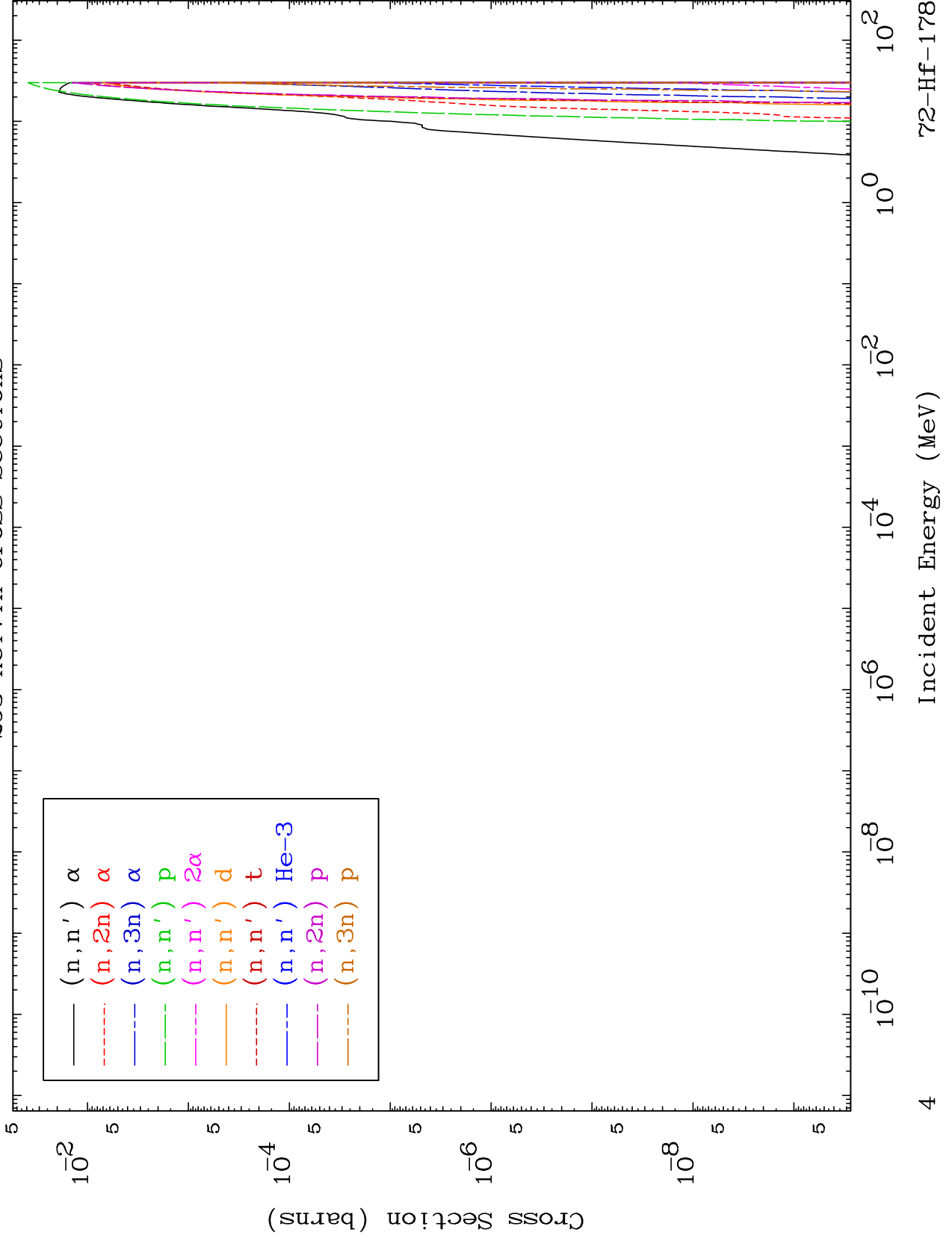




MAT 7237

Charged Particle
293 Kelvin Cross Sections

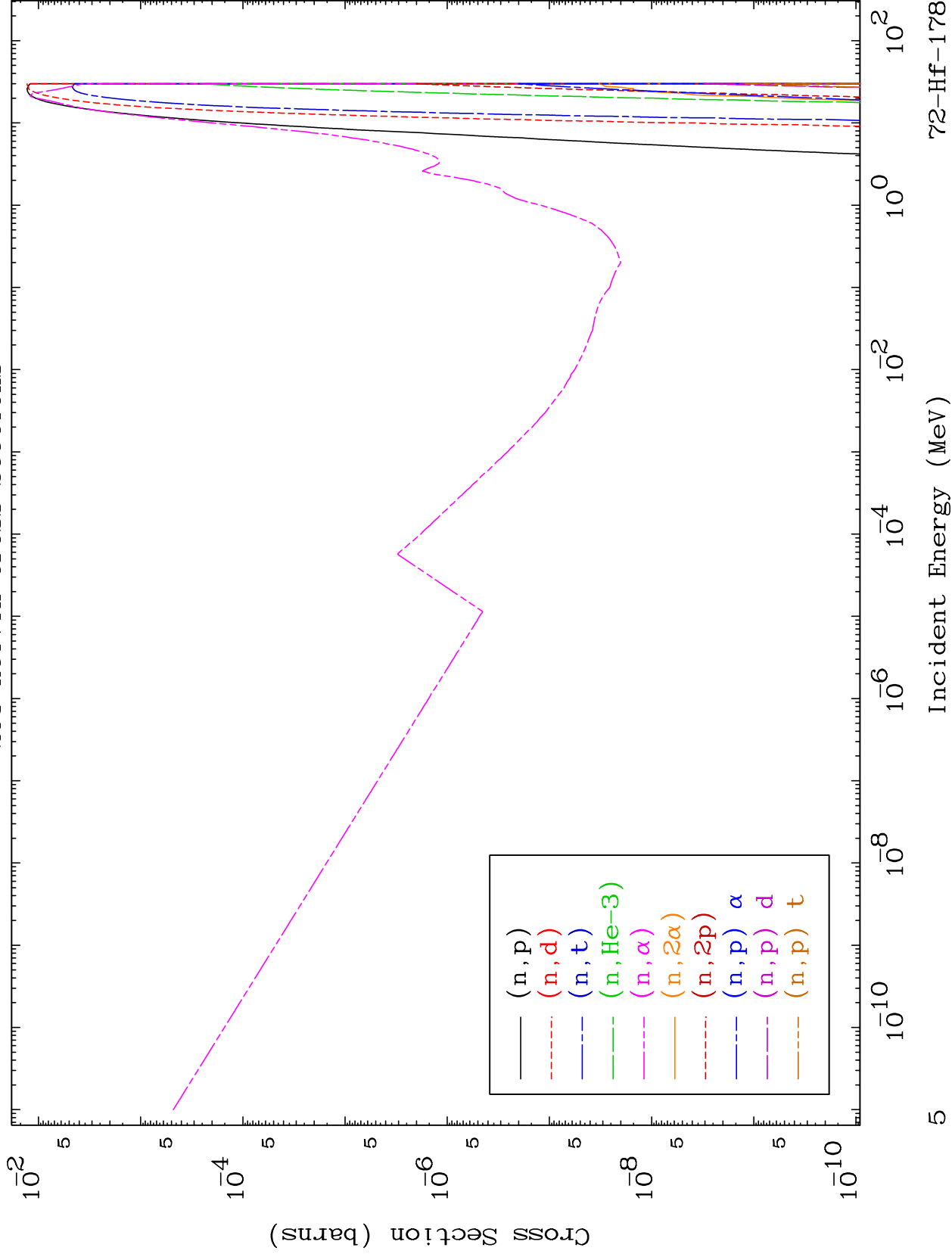
72-Hf-178

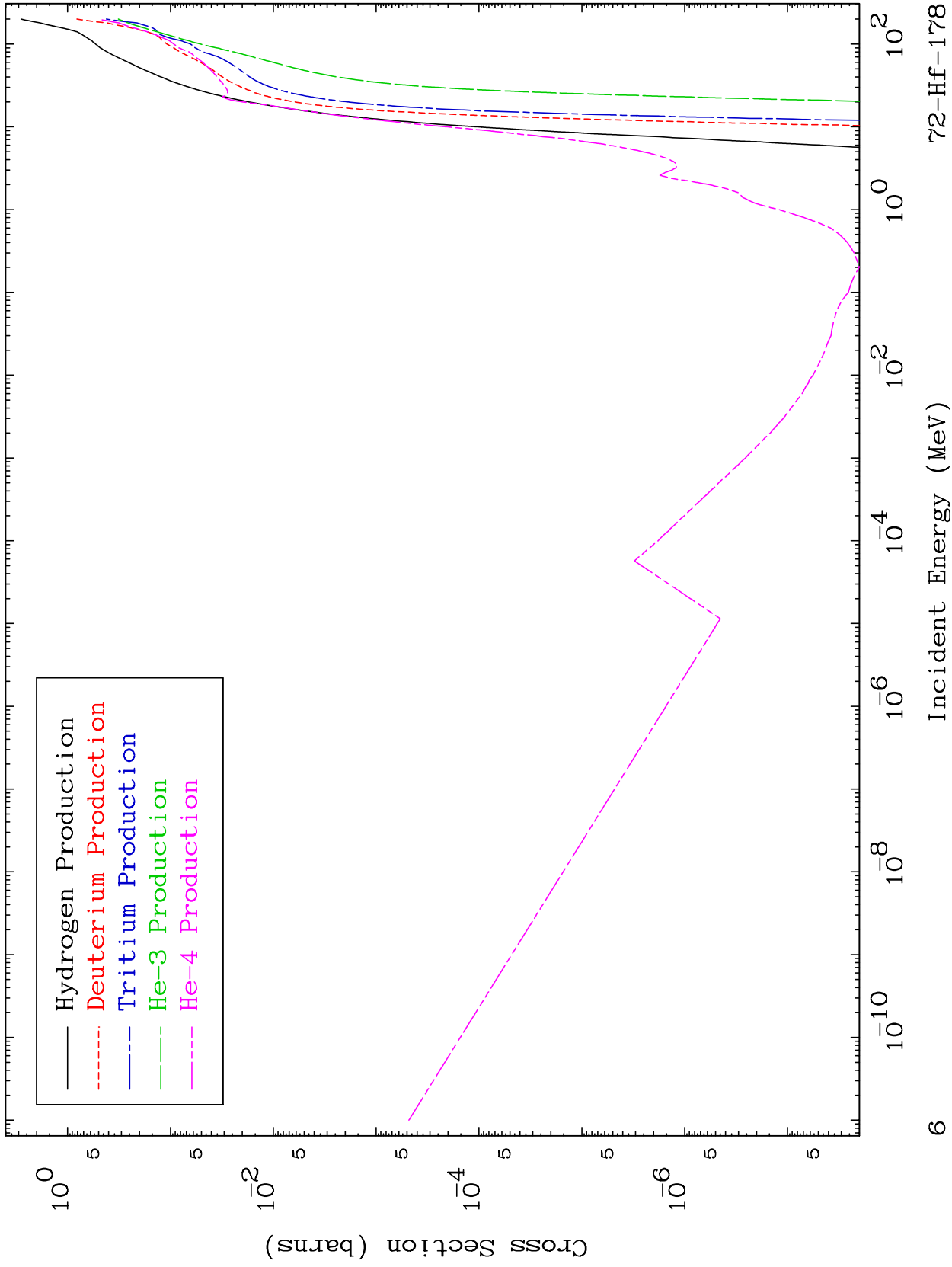


MAT 7237

Charged Particle
293 Kelvin Cross Sections

72-Hf-178

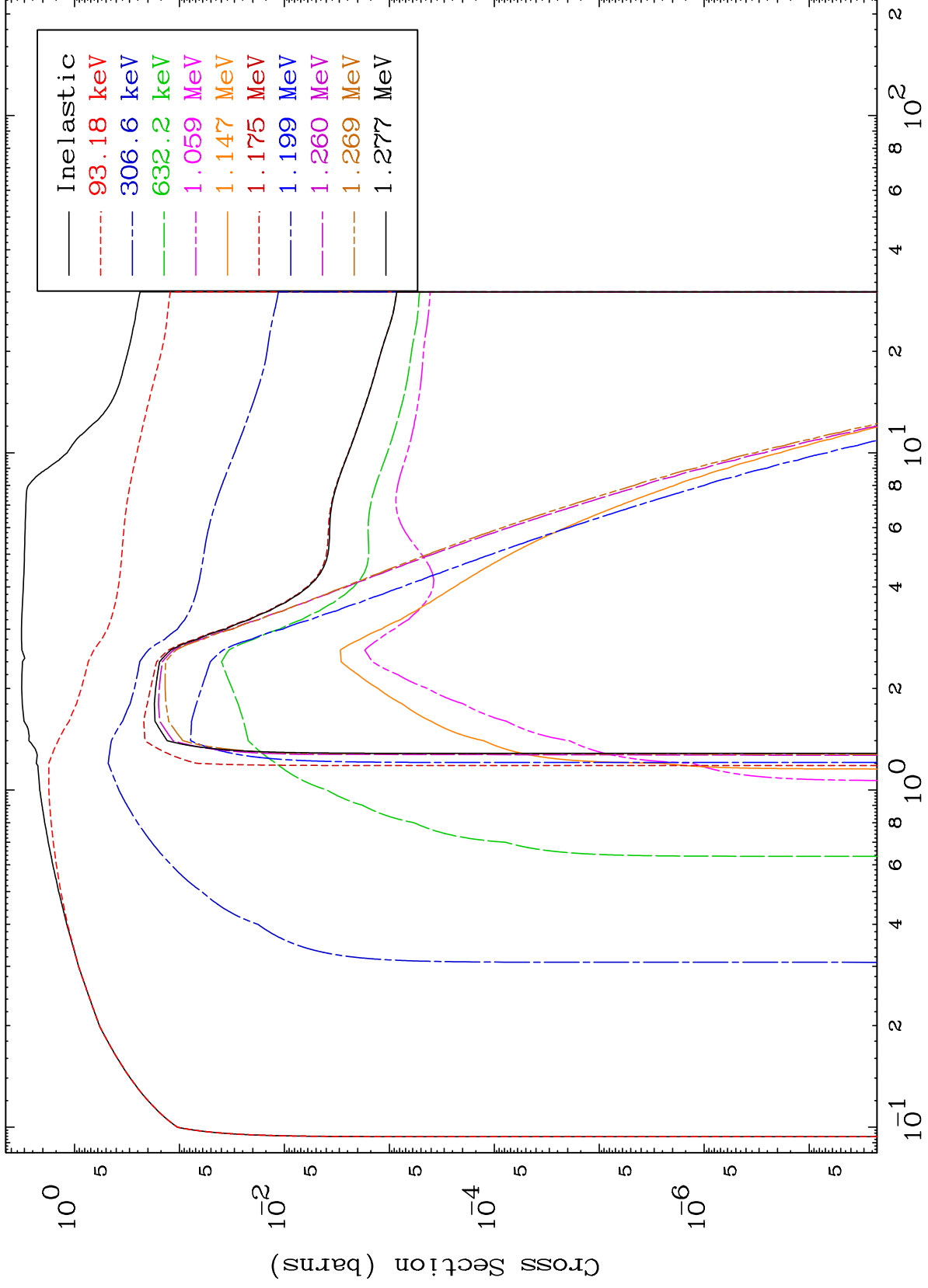




MAT 7237

(n,n') Level
293 Kelvin Cross Sections

72-Hf-178



Incident Energy (MeV)

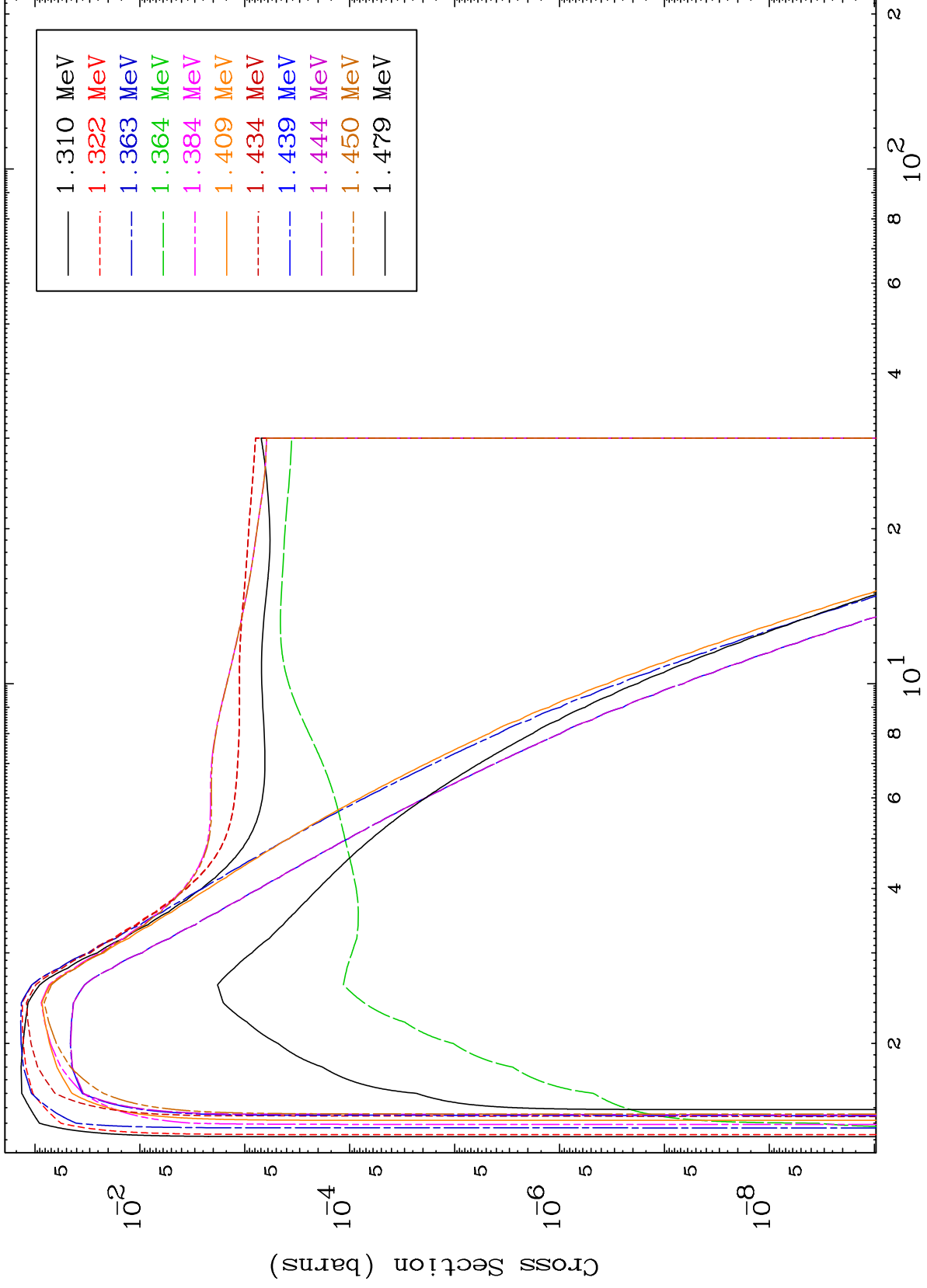
72-Hf-178

7

MAT 7237

(n,n') Level
293 Kelvin Cross Sections

72-Hf-178



8

Incident Energy (MeV)

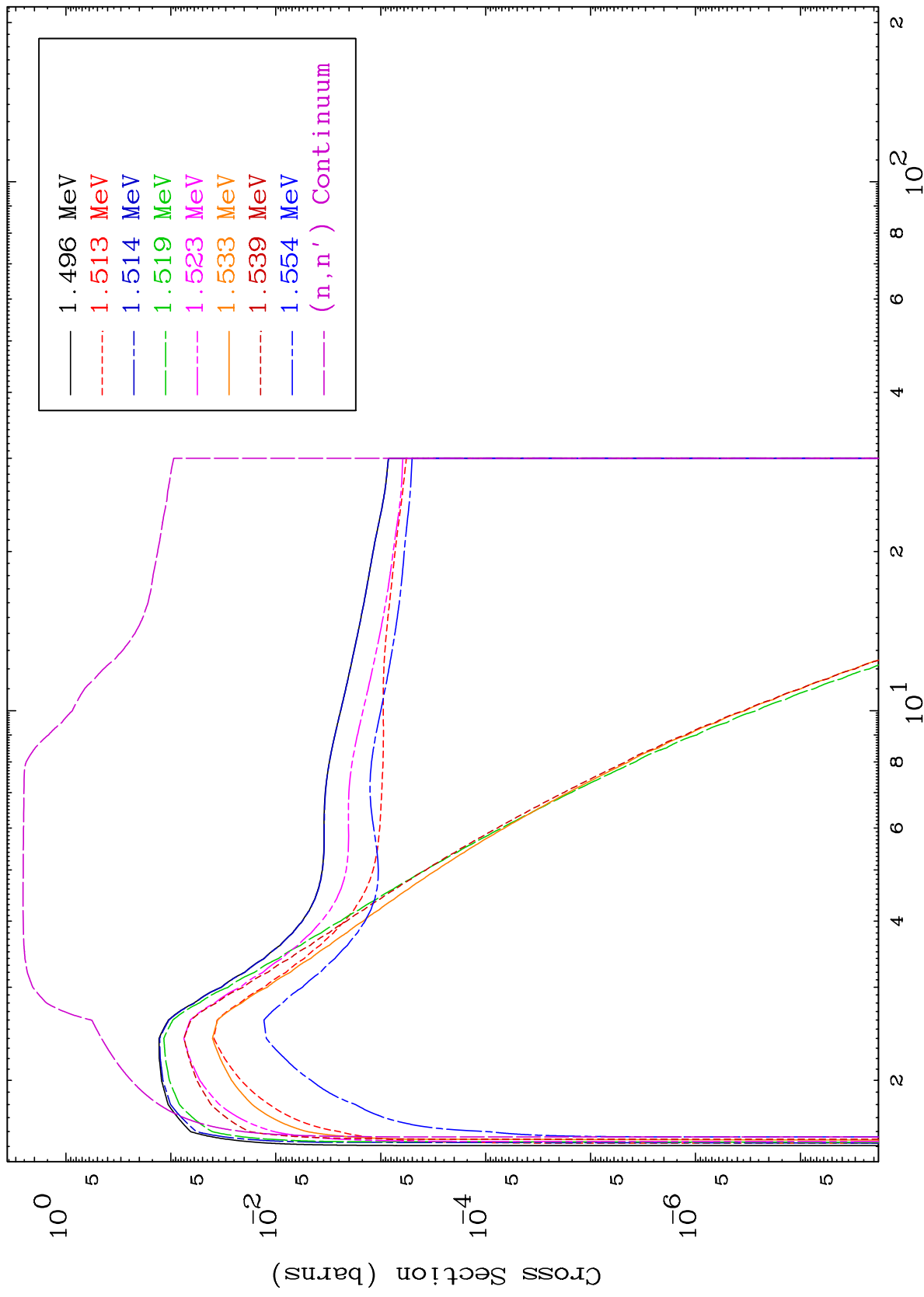
72-Hf-178

MAT 7237

(n,n') Level

72-Hf-178

293 Kelvin Cross Sections



9

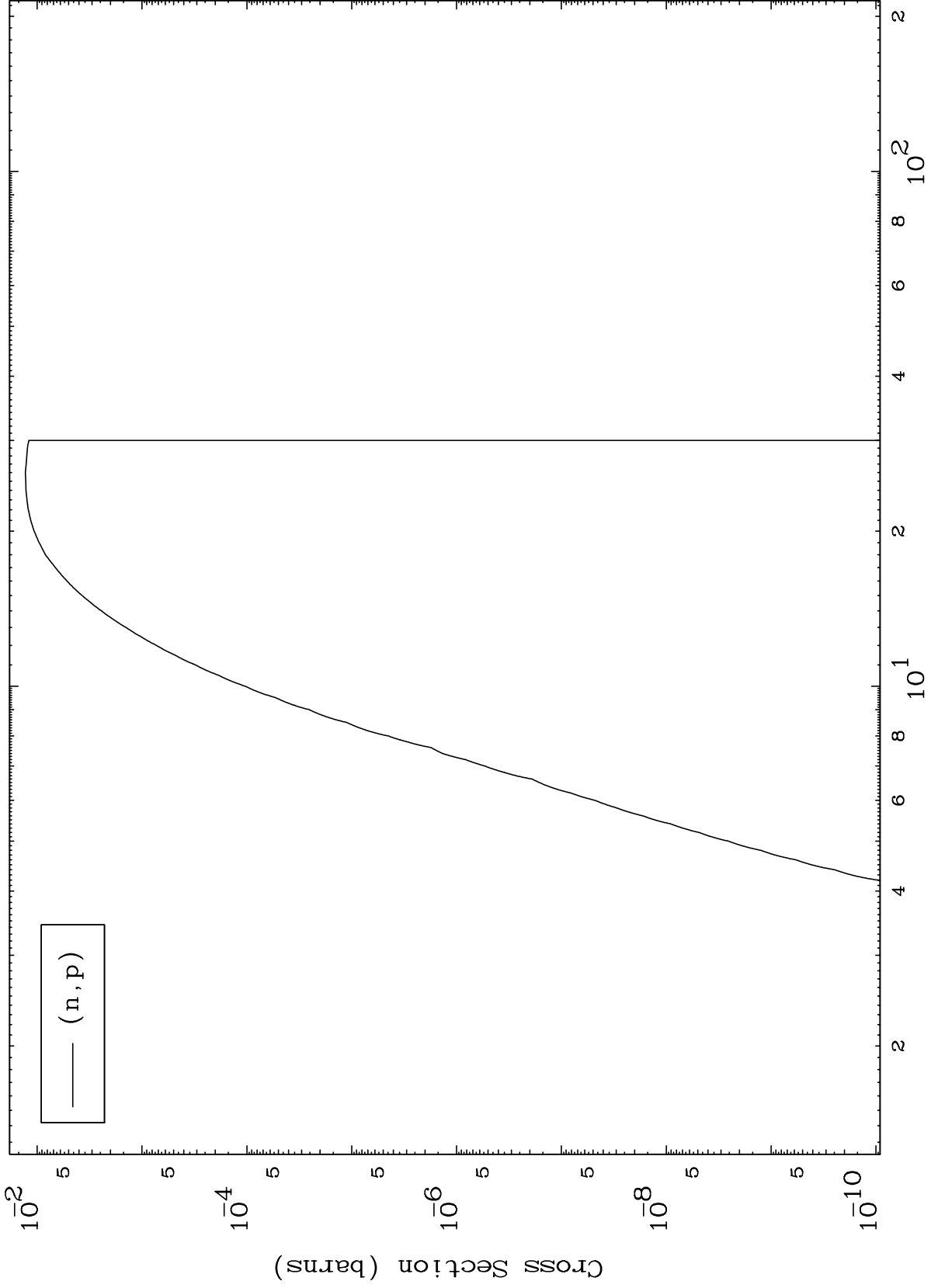
Incident Energy (MeV)

72-Hf-178

MAT 7237

(n,p) Levels
293 Kelvin Cross Sections

72-Hf-178



10

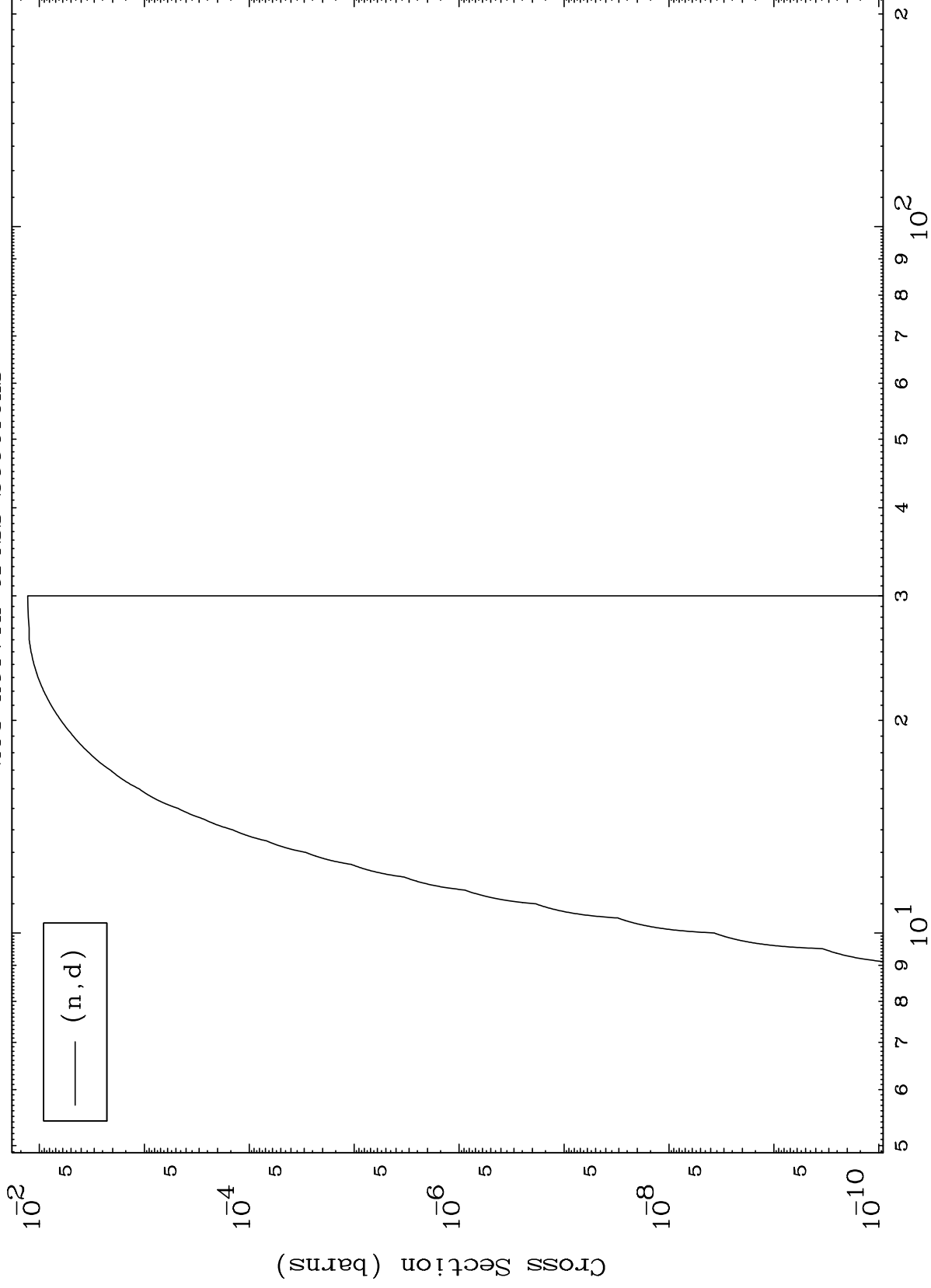
Incident Energy (MeV)

72-Hf-178

MAT 7237

(n,d) Levels
293 Kelvin Cross Sections

72-Hf-178



11

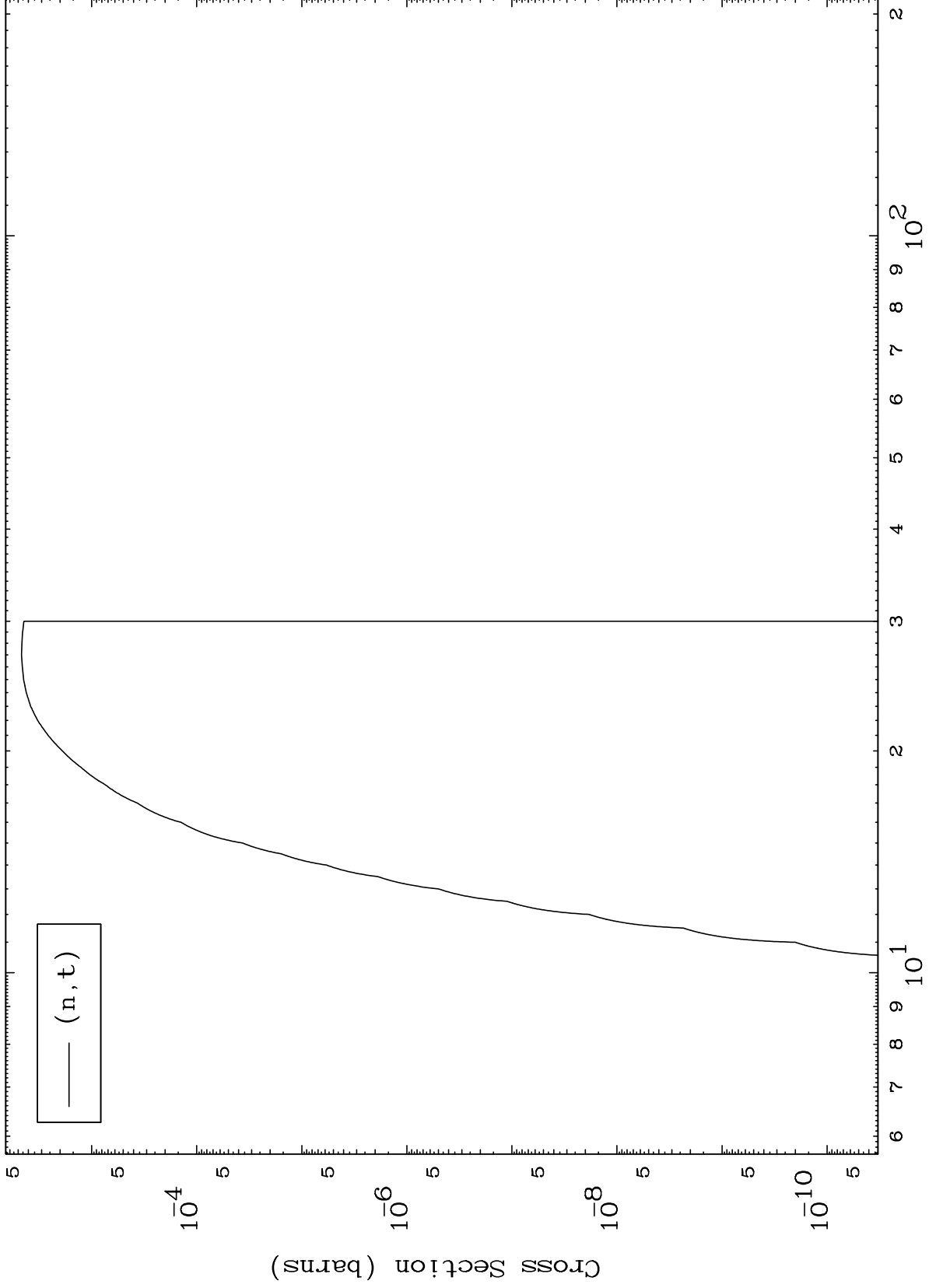
Incident Energy (MeV)

72-Hf-178

MAT 7237

(n, t) Levels
293 Kelvin Cross Sections

72-Hf-178



12

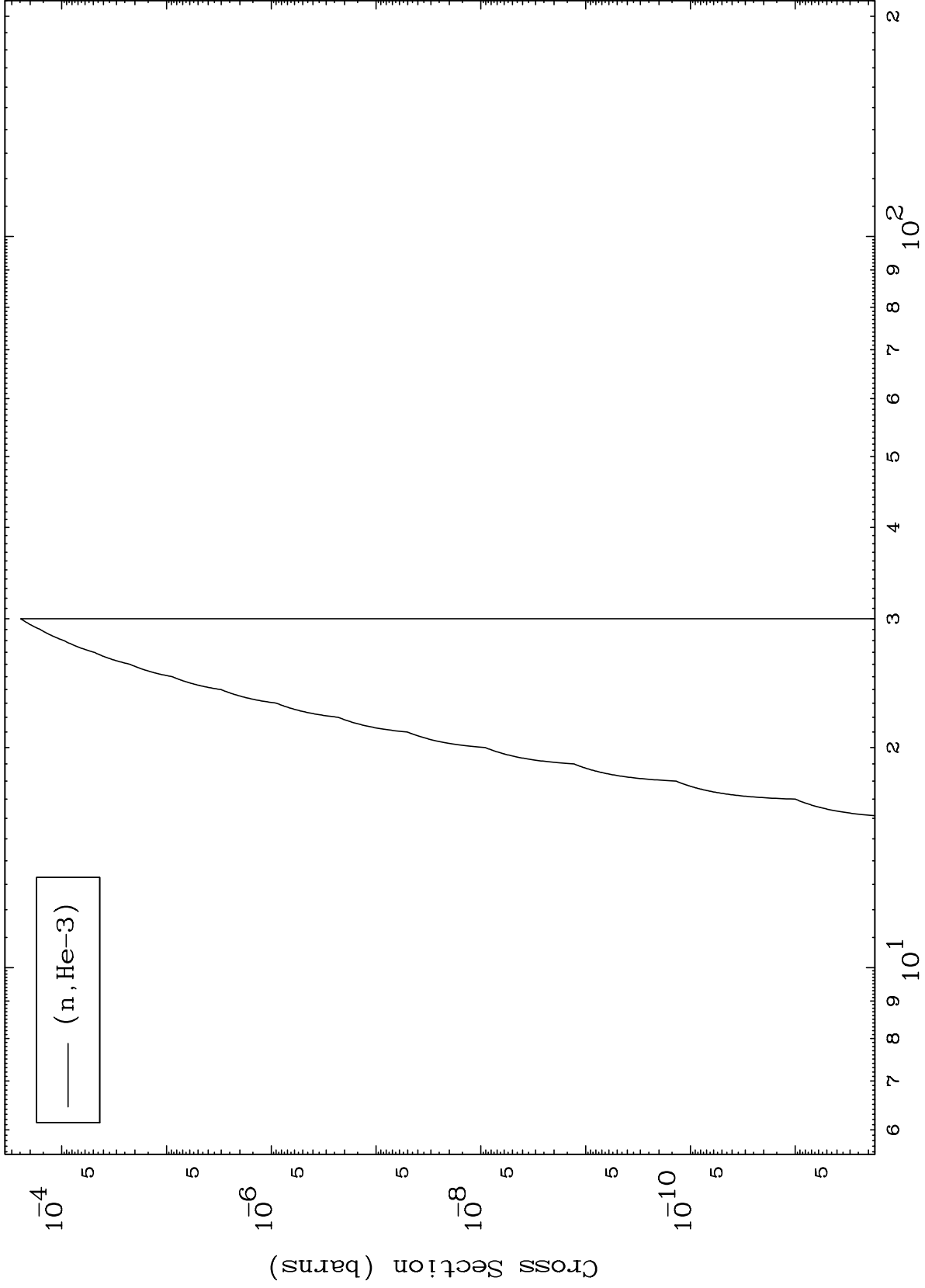
Incident Energy (MeV)

72-Hf-178

MAT 7237

(n,He3) Levels
293 Kelvin Cross Sections

72-Hf-178



13

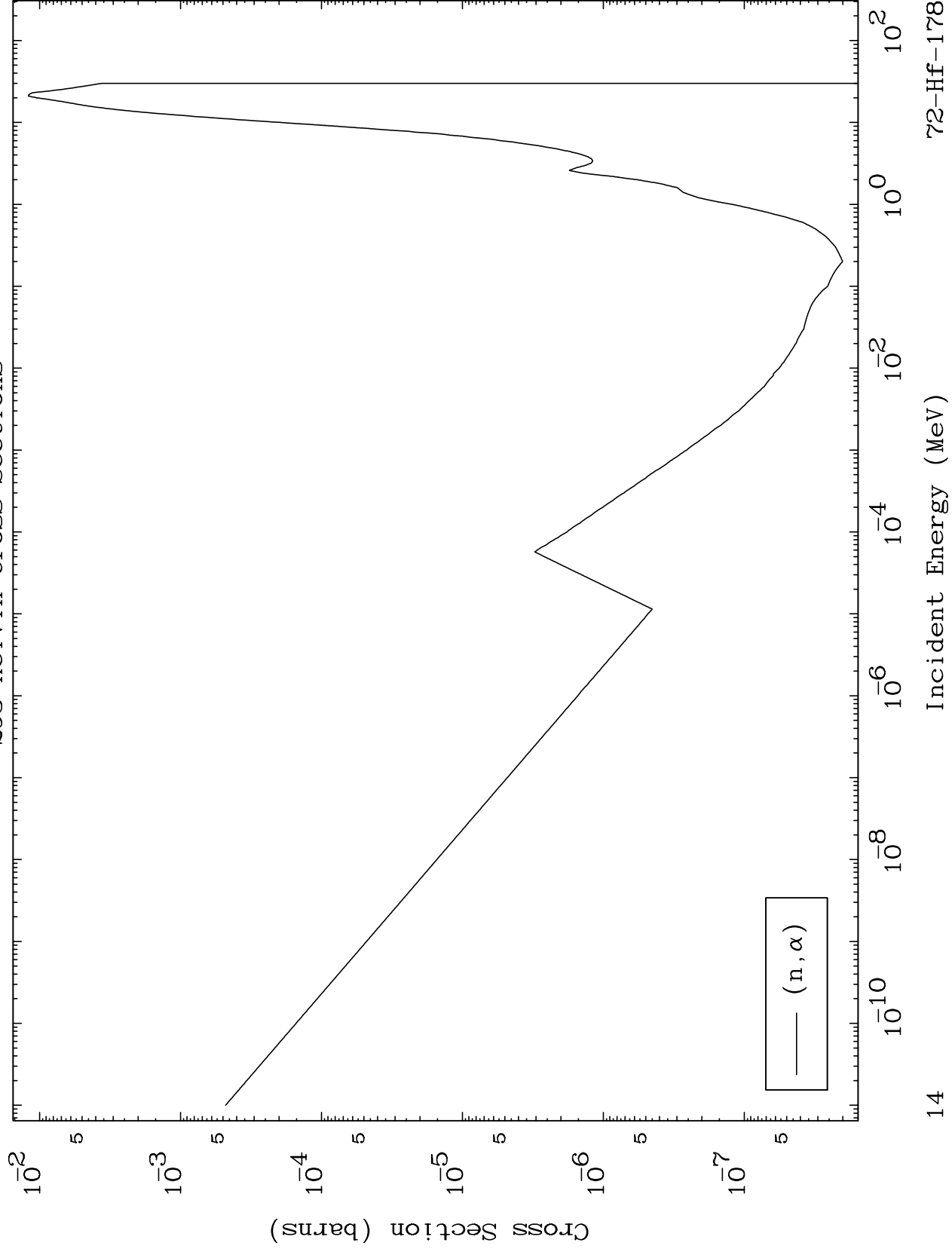
Incident Energy (MeV)

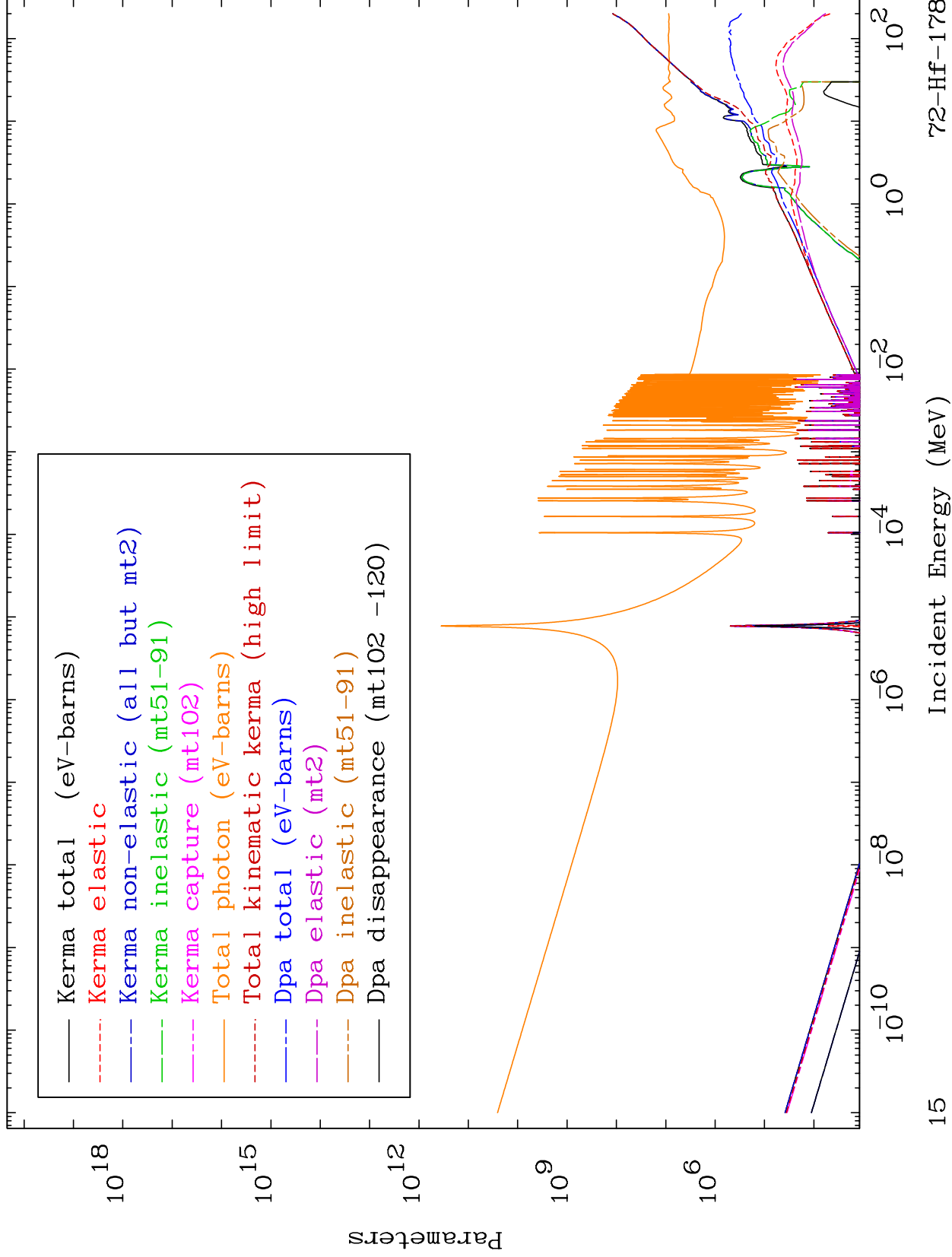
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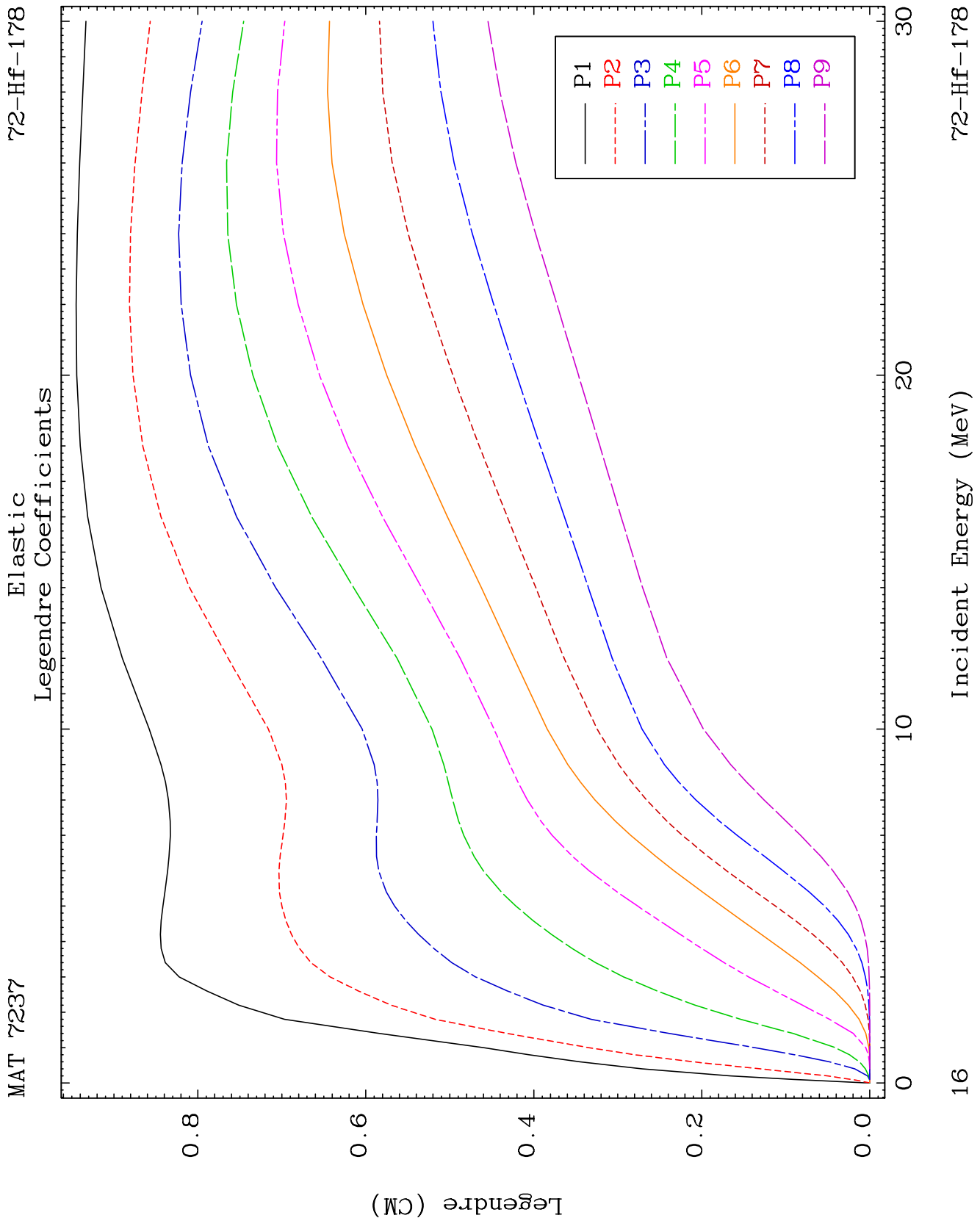
MAT 7237

(n,α) Levels
293 Kelvin Cross Sections

72-Hf-178



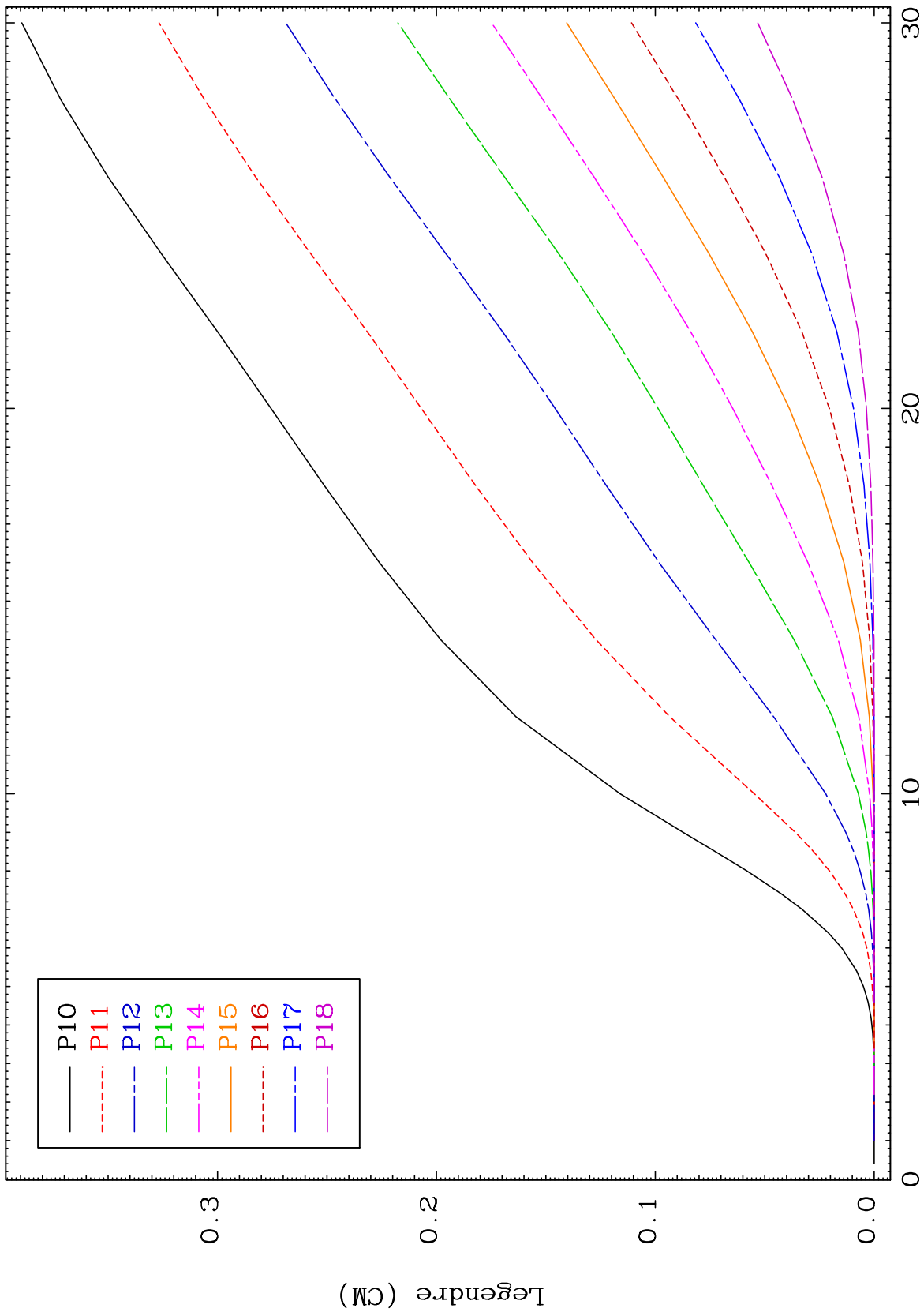




MAT 7237

Elastic Legendre Coefficients

72-Hf-178



17

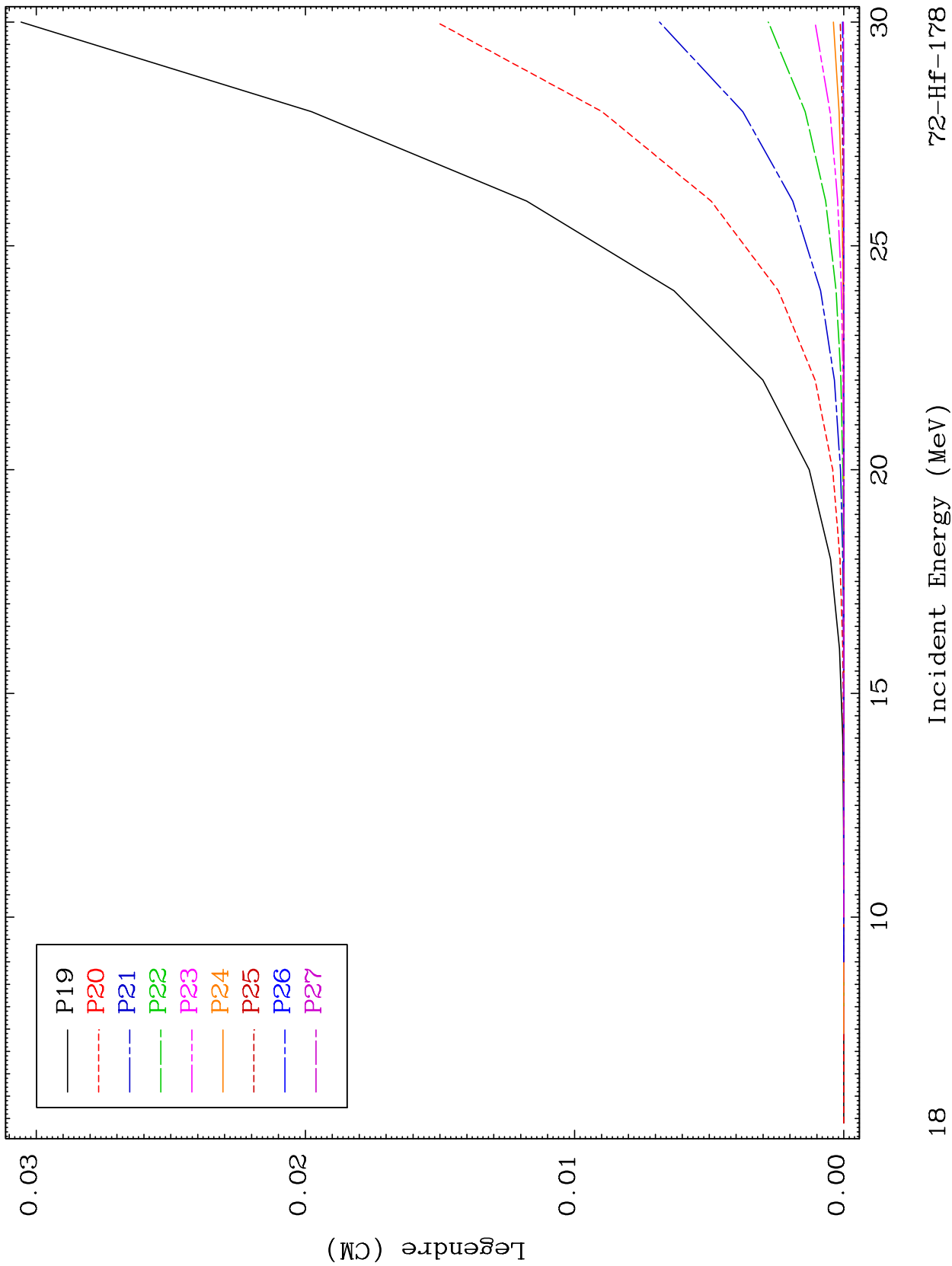
Incident Energy (MeV)

72-Hf-178

MAT 7237

Elastic Legendre Coefficients

72-Hf-178



18

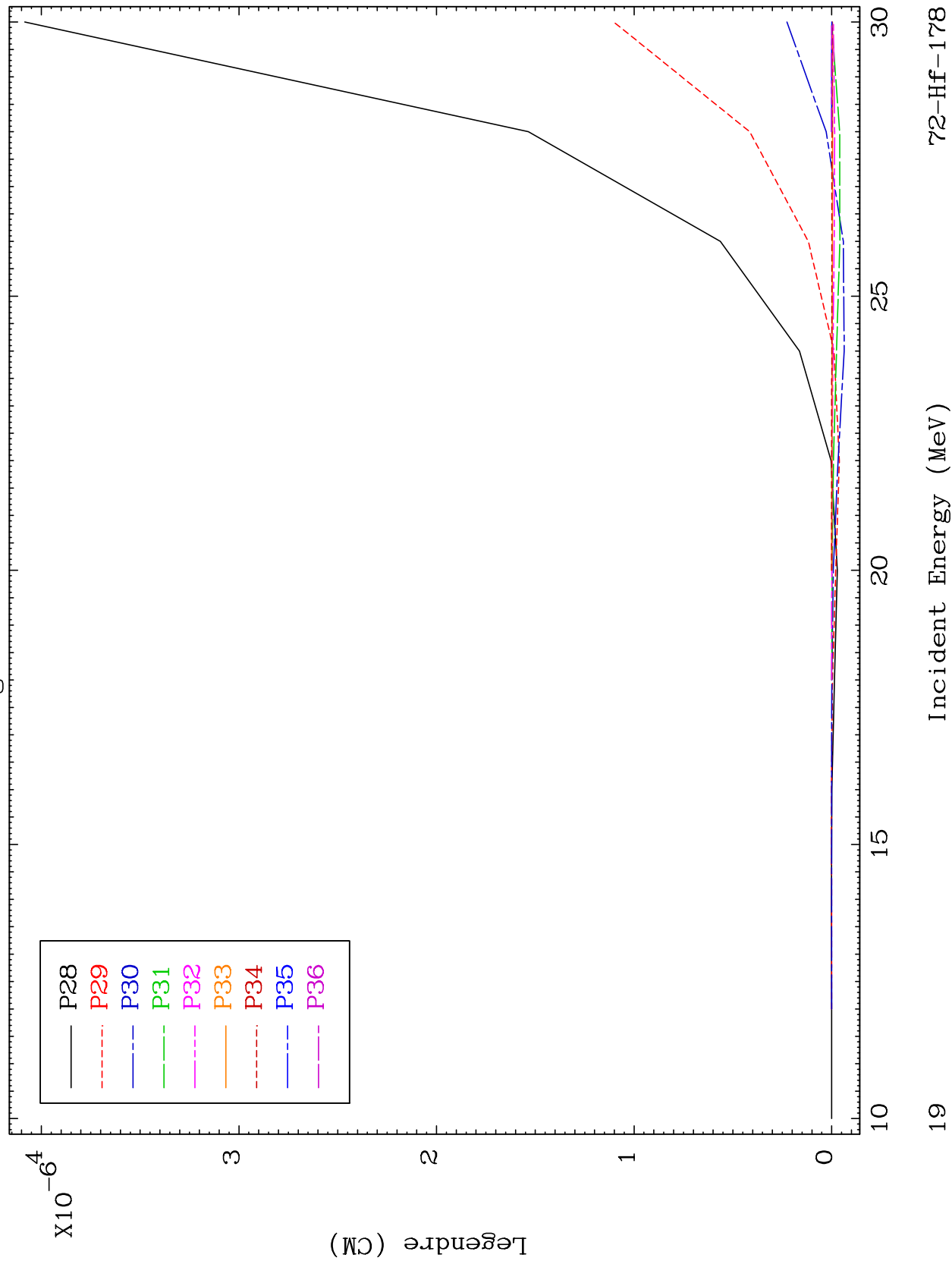
Incident Energy (MeV)

72-Hf-178

MAT 7237

Elastic Legendre Coefficients

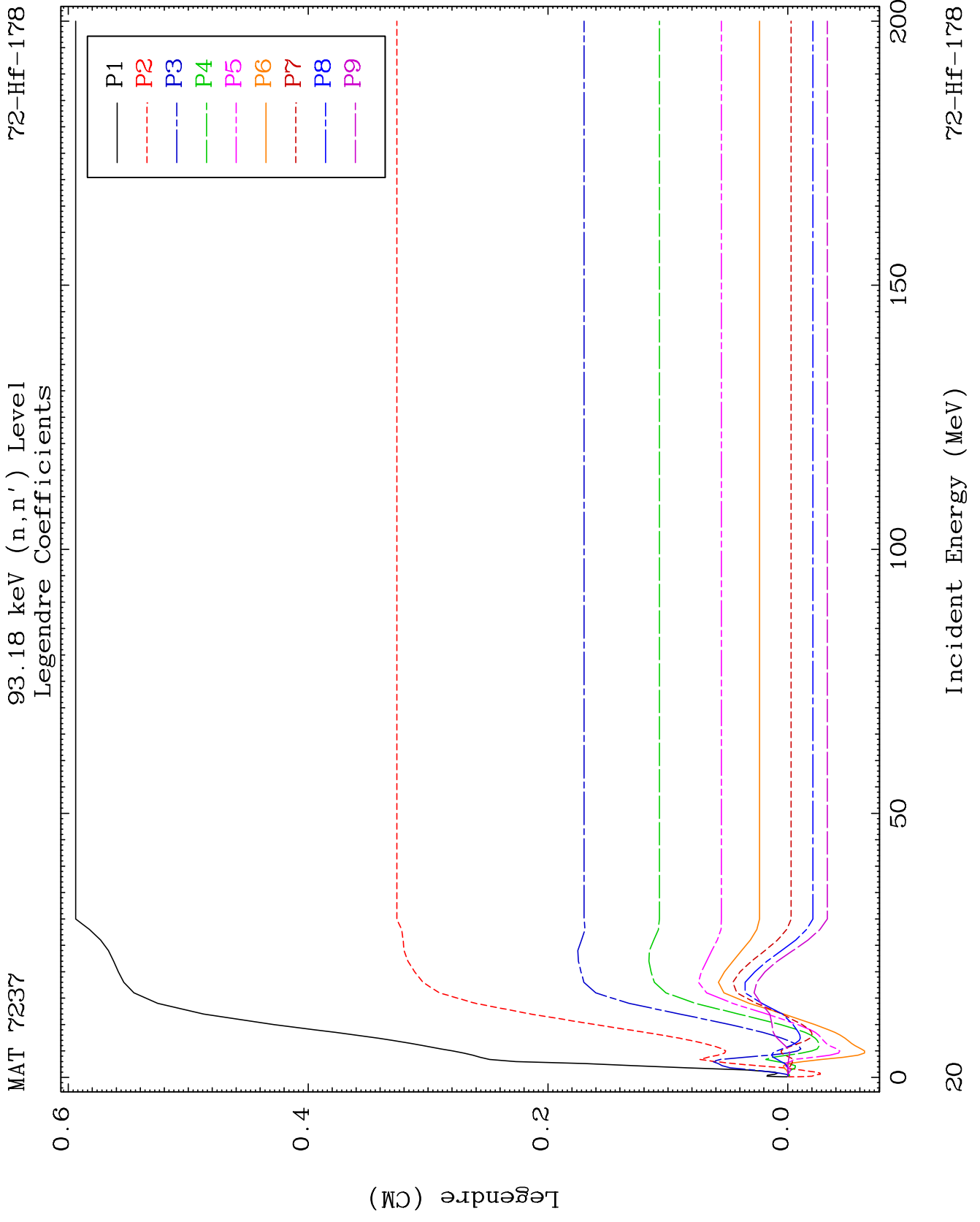
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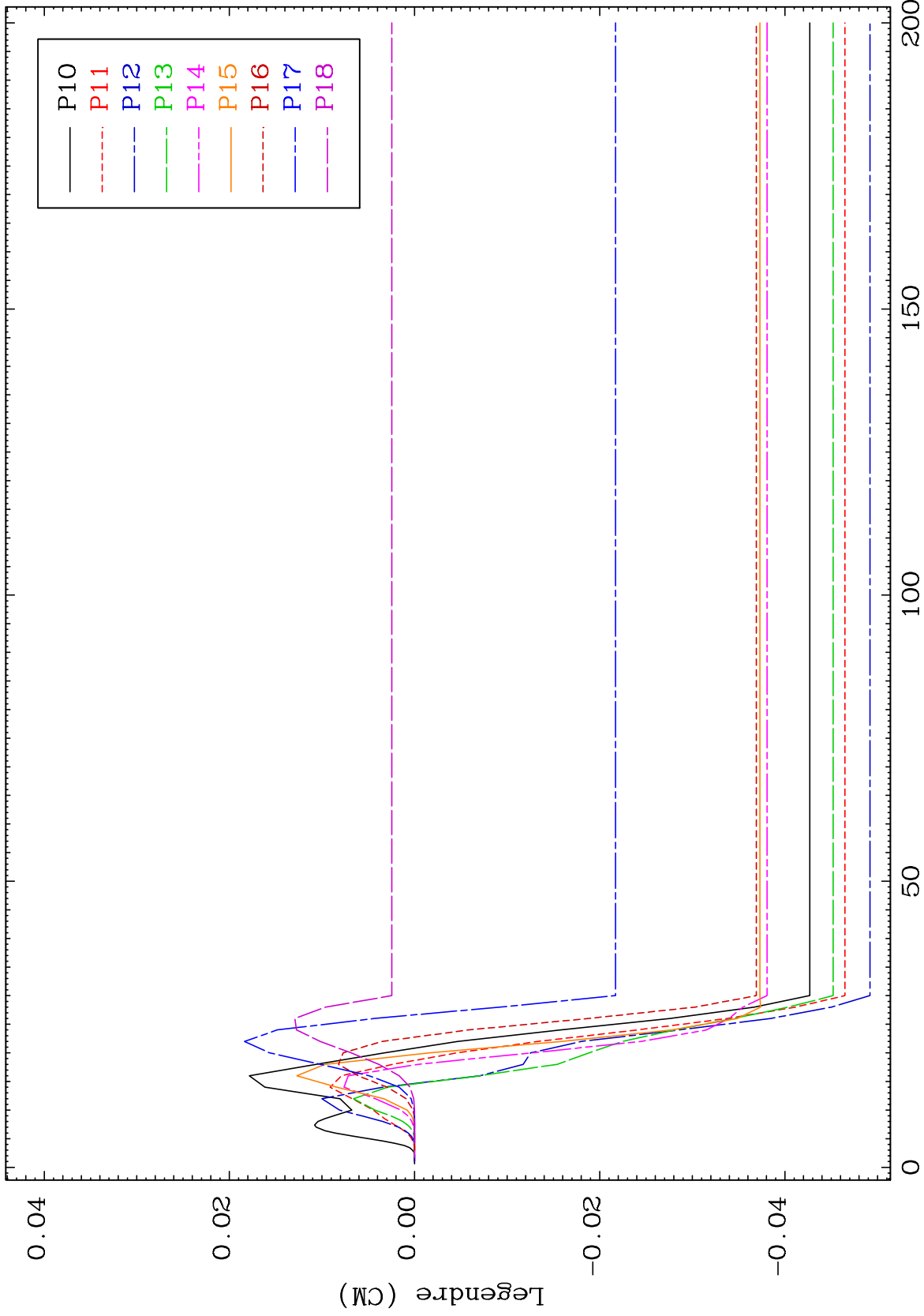


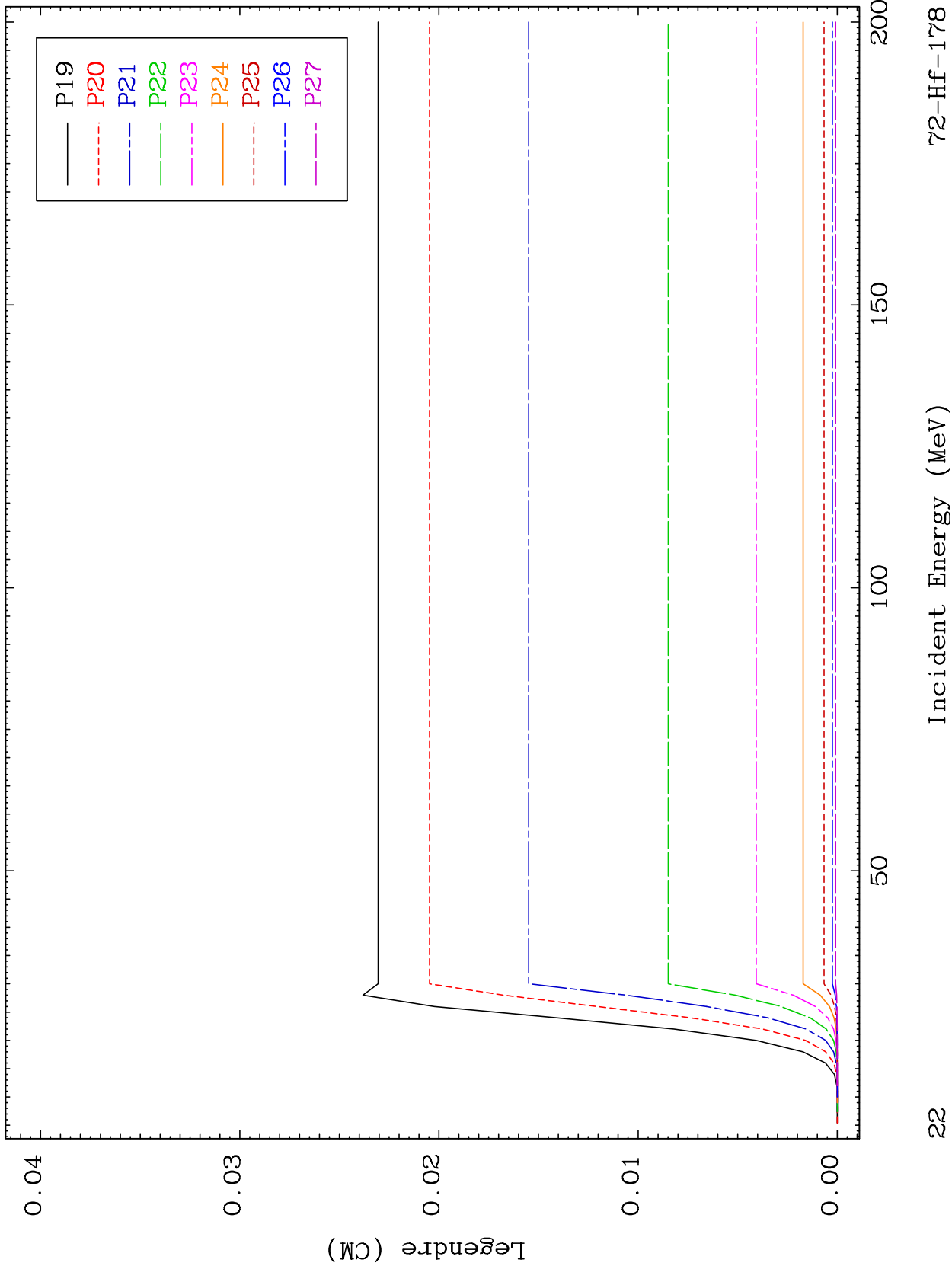
19

Incident Energy (MeV)

72-Hf-178



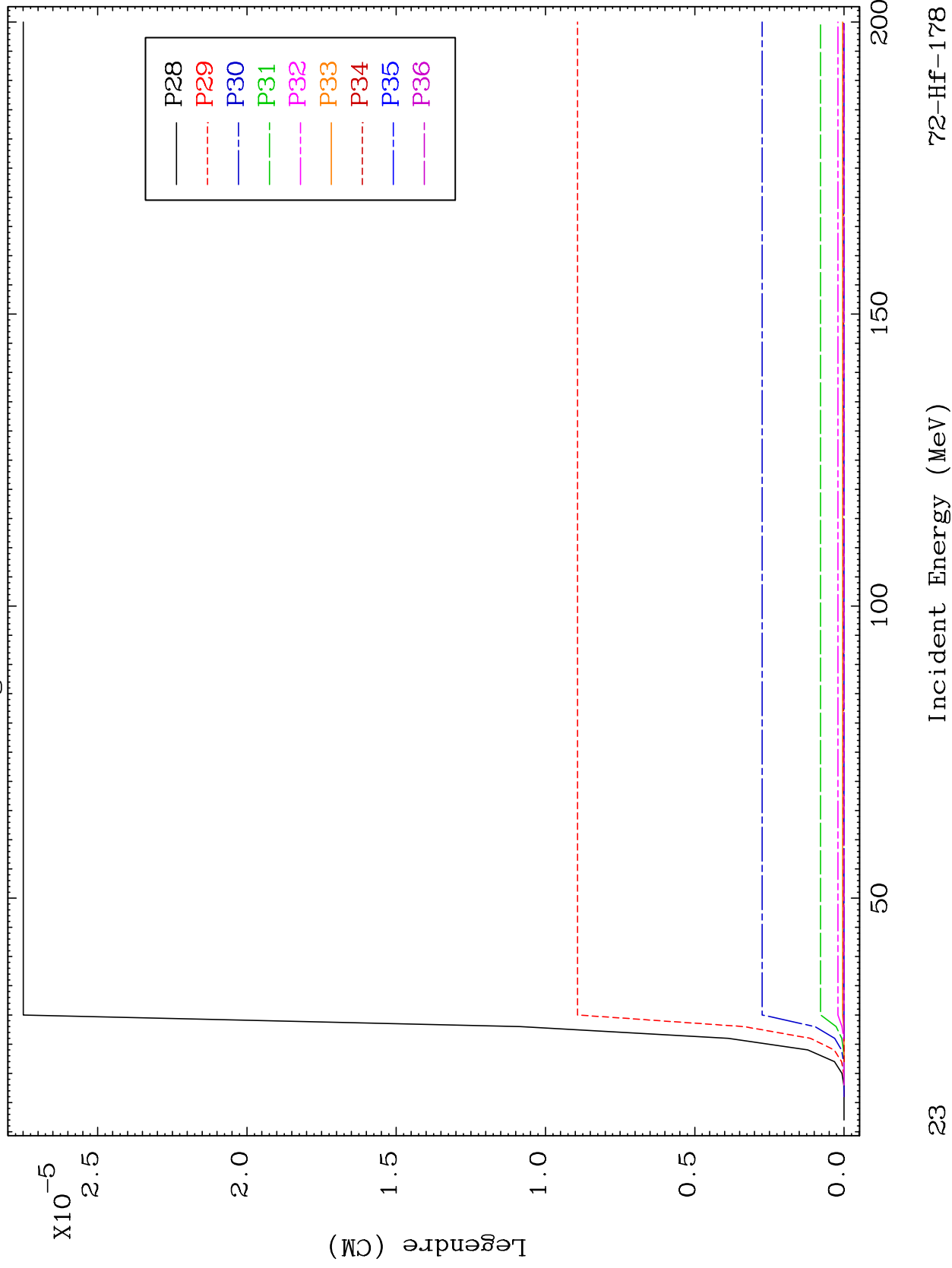




MAT 7237

93.18 keV (n,n') Level
Legendre Coefficients

72-Hf-178



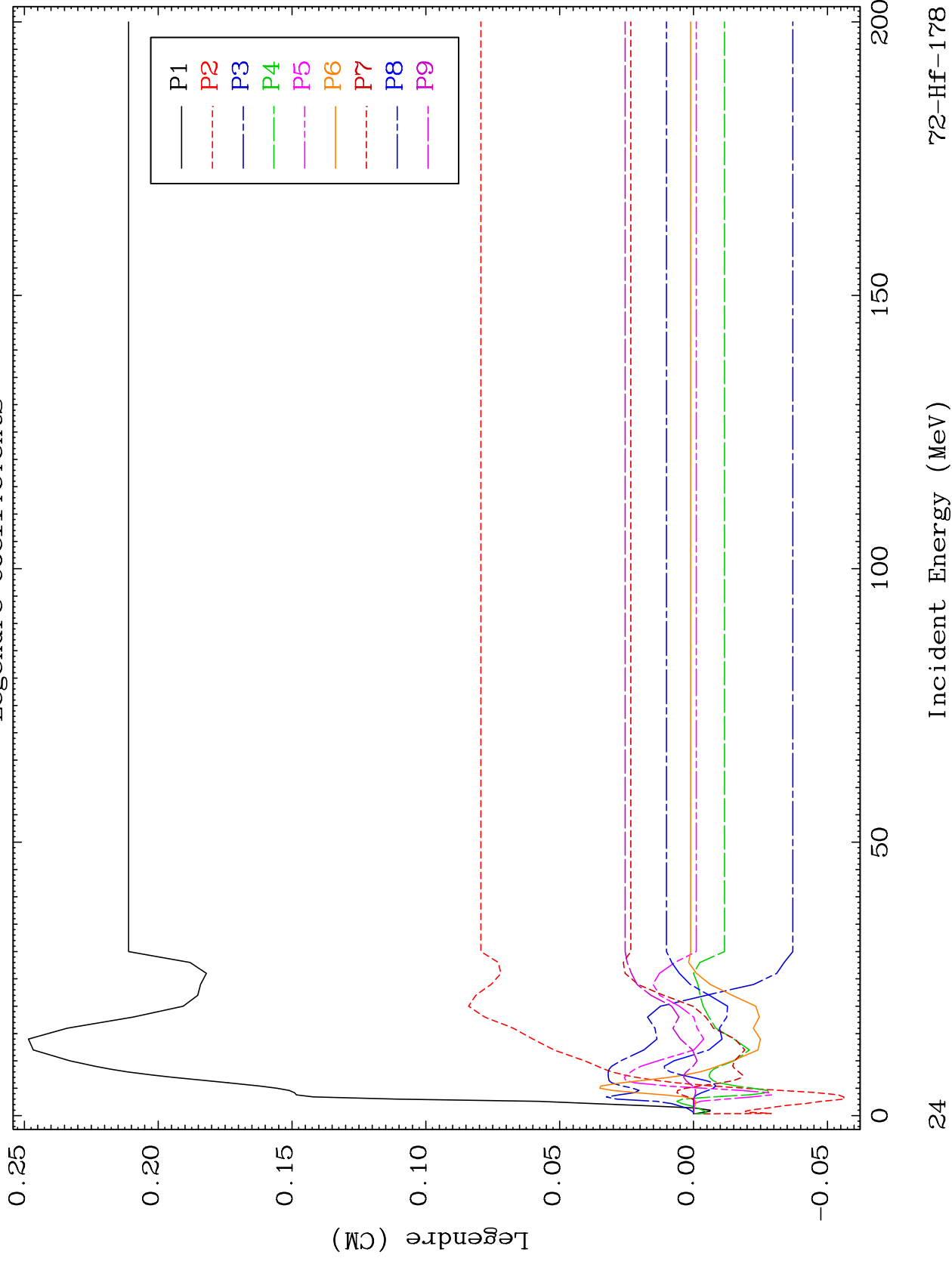
23

72-Hf-178

MAT 7237

306.6 keV (n,n') Level
Legendre Coefficients

72-Hf-178



72-Hf-178

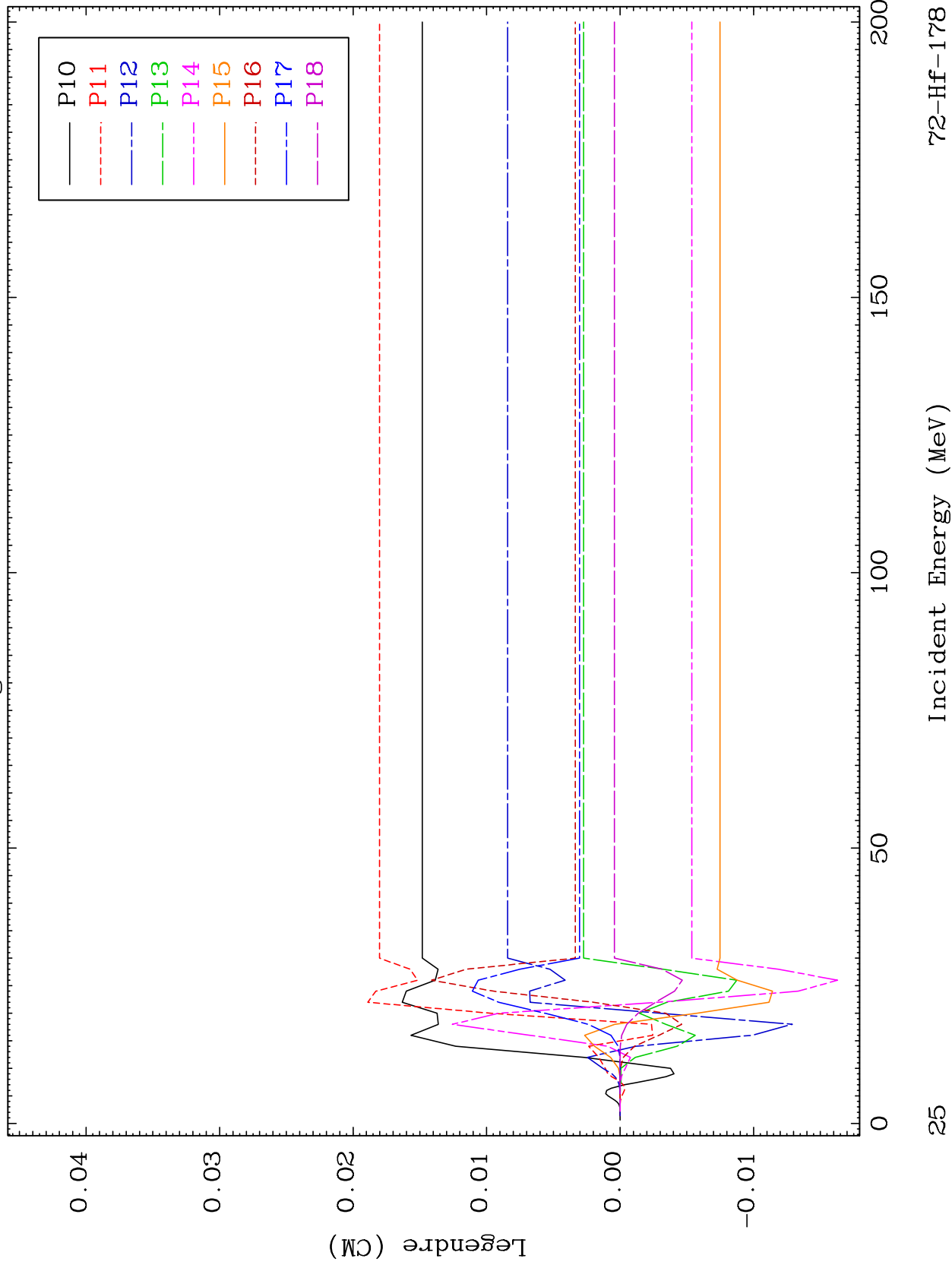
Incident Energy (MeV)

24

MAT 7237

306.6 keV (n,n') Level
Legendre Coefficients

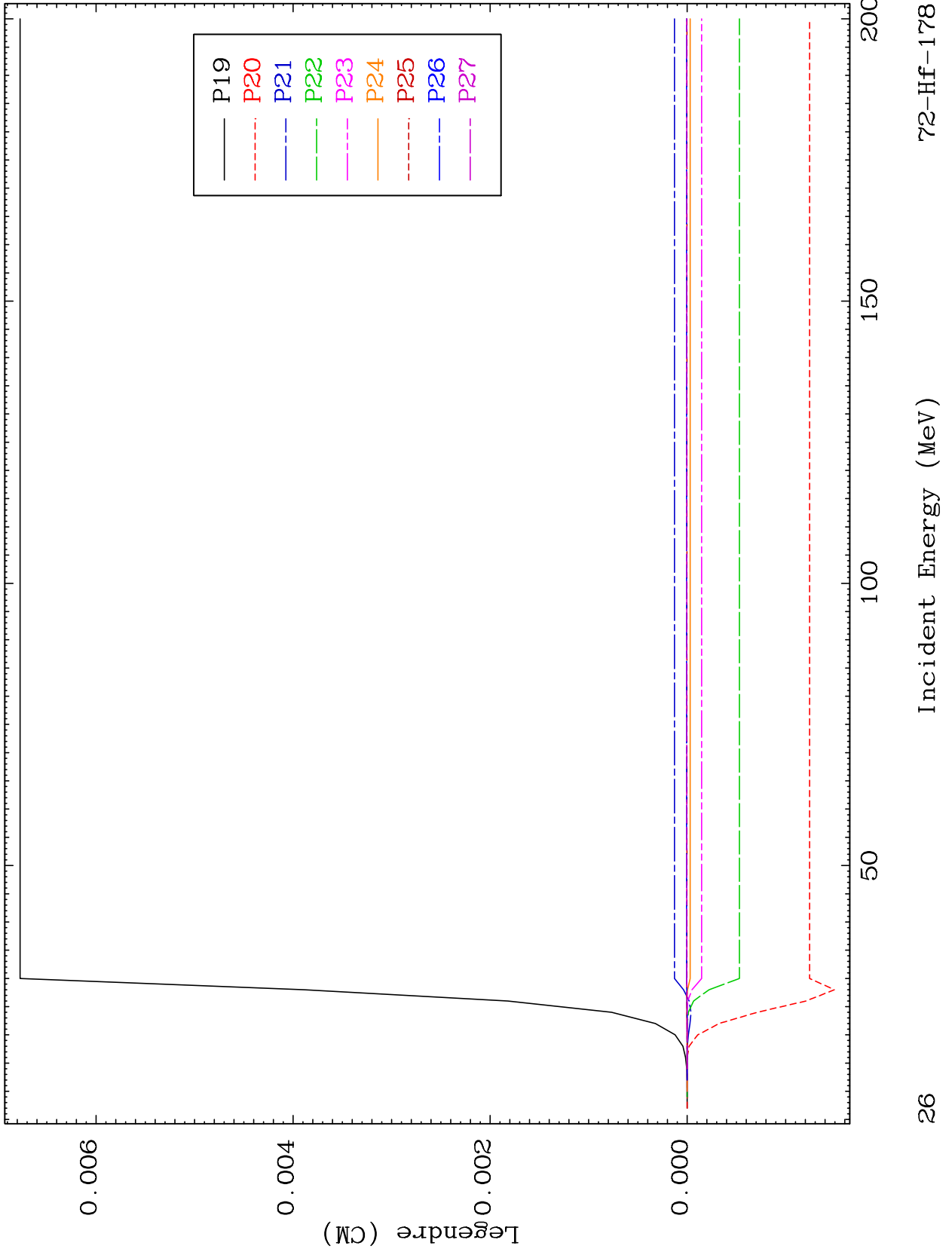
72-Hf-178



72-Hf-178

Incident Energy (MeV)

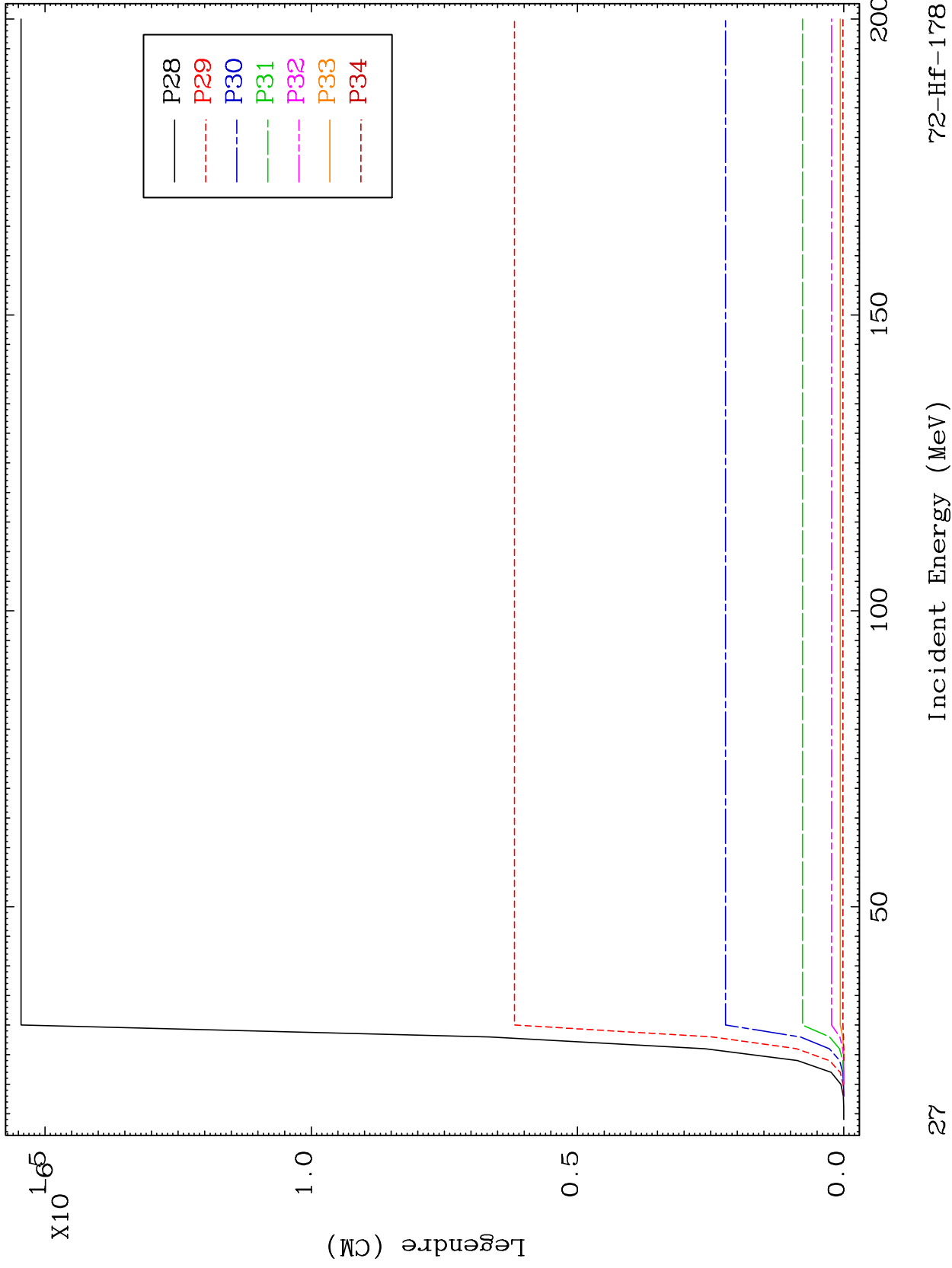
25



MAT 7237

306.6 keV (n,n') Level
Legendre Coefficients

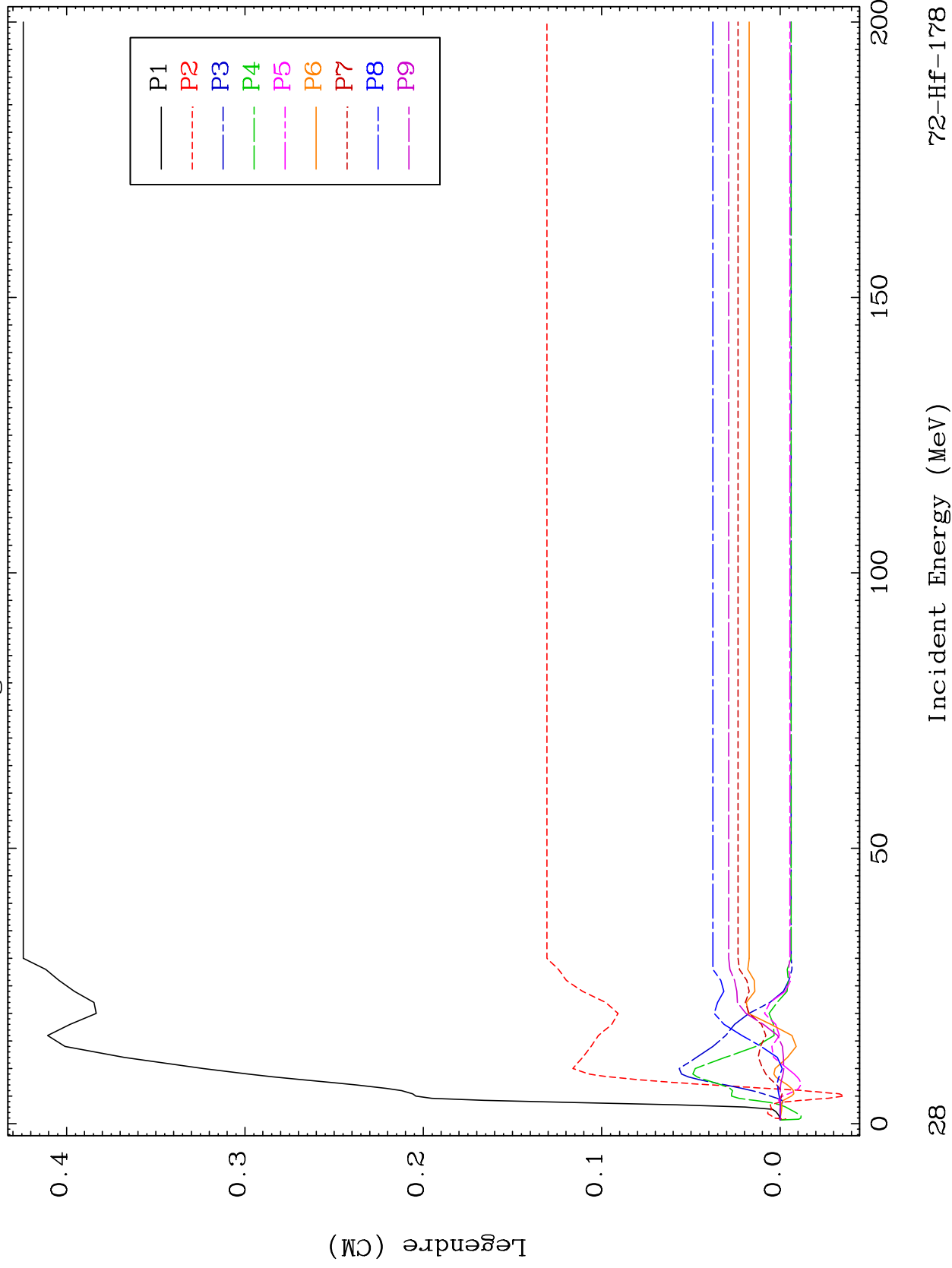
72-Hf-178



MAT 7237

632.2 keV (n,n') Level
Legendre Coefficients

72-Hf-178



72-Hf-178

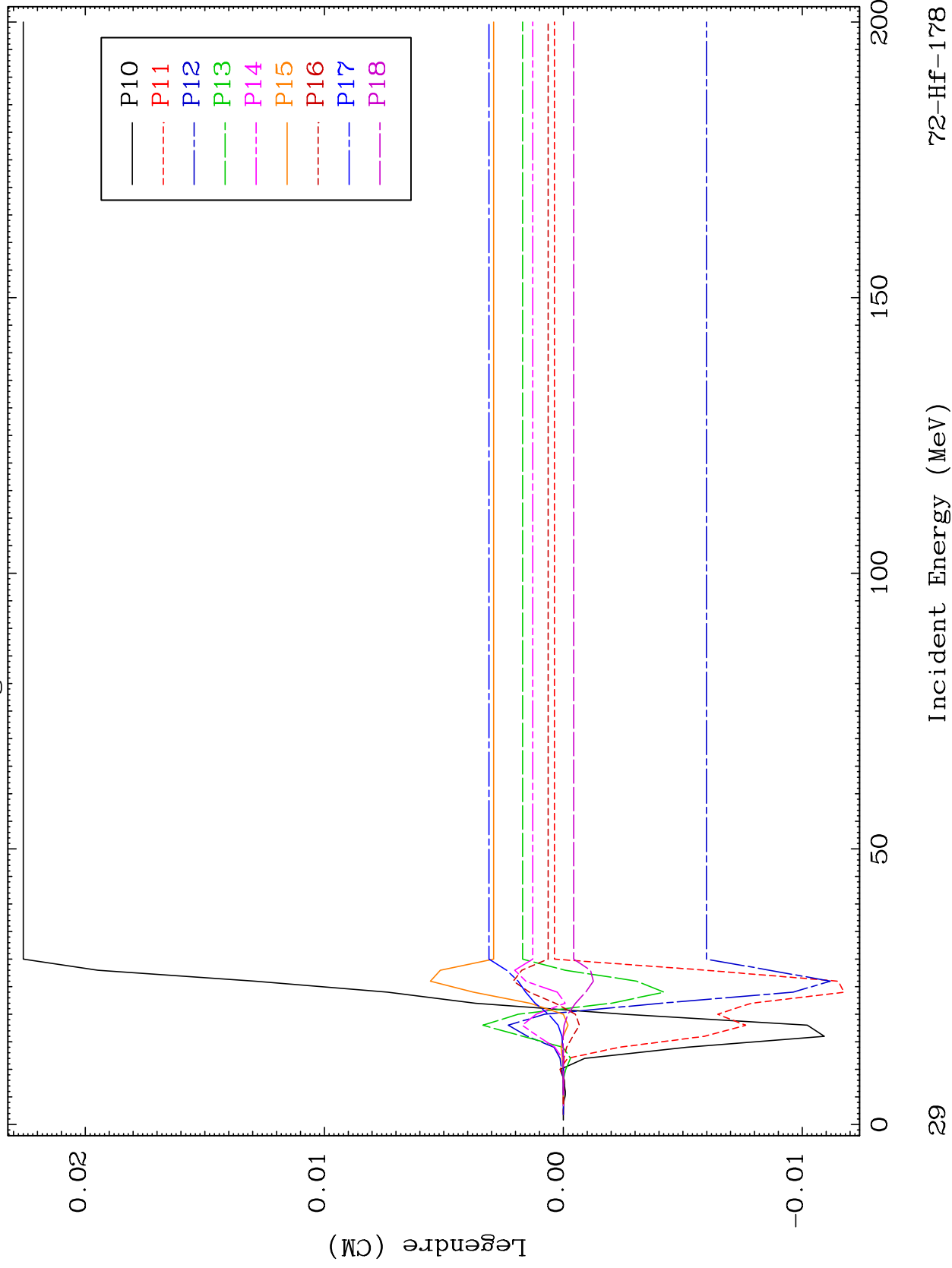
Incident Energy (MeV)

28

MAT 7237

632.2 keV (n,n') Level
Legendre Coefficients

72-Hf-178



72-Hf-178

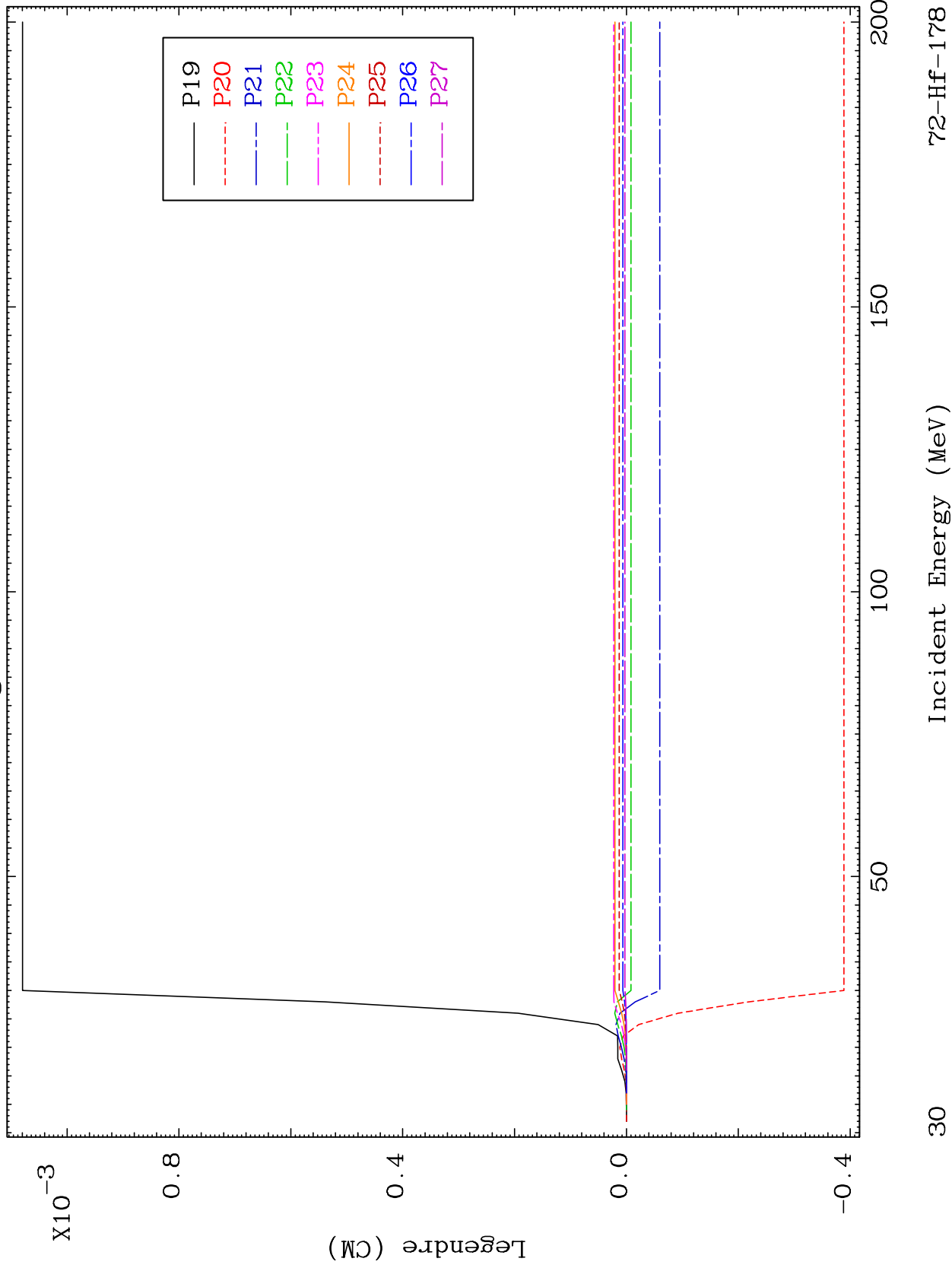
Incident Energy (MeV)

29

MAT 7237

632.2 keV (n,n') Level
Legendre Coefficients

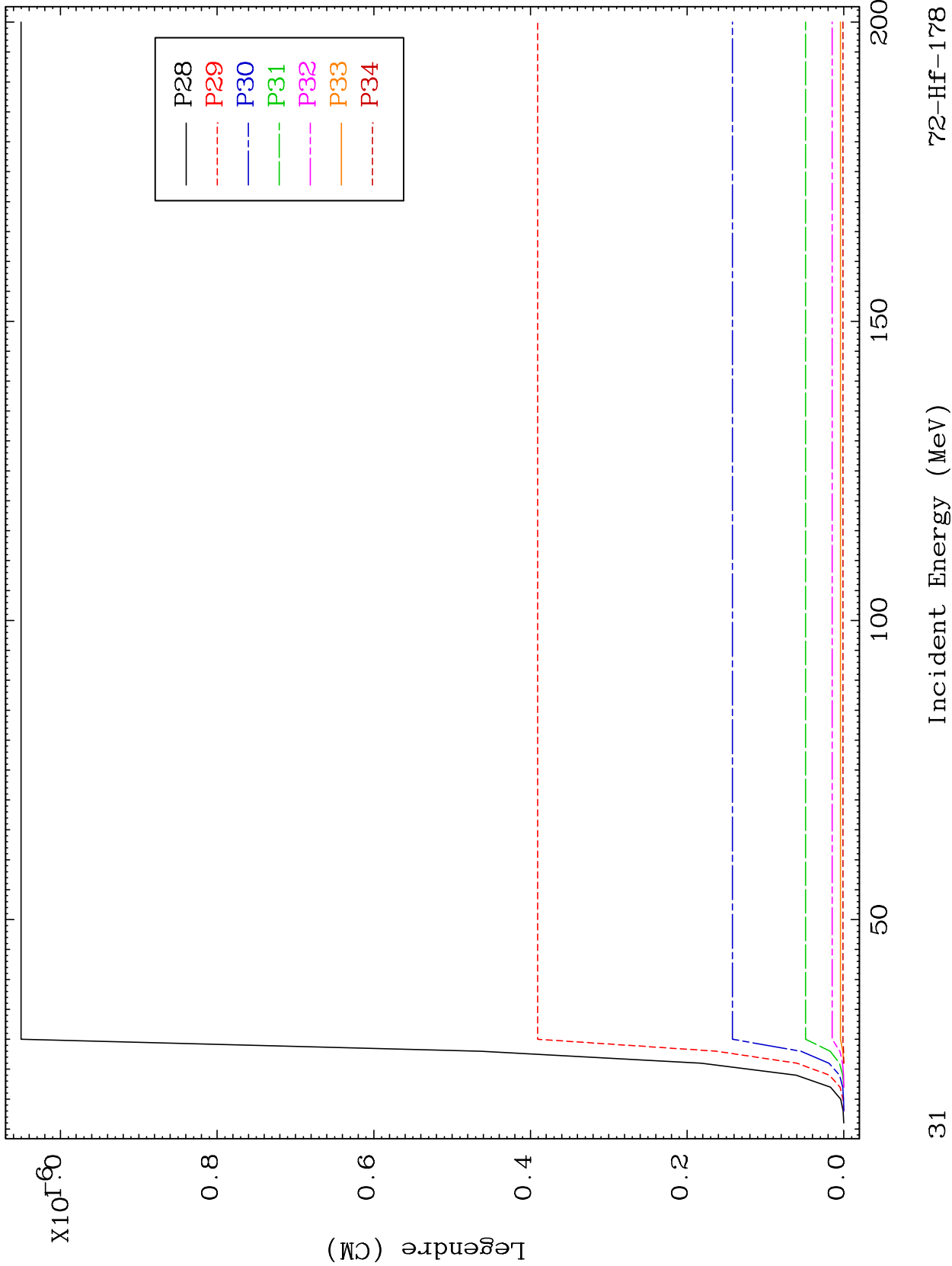
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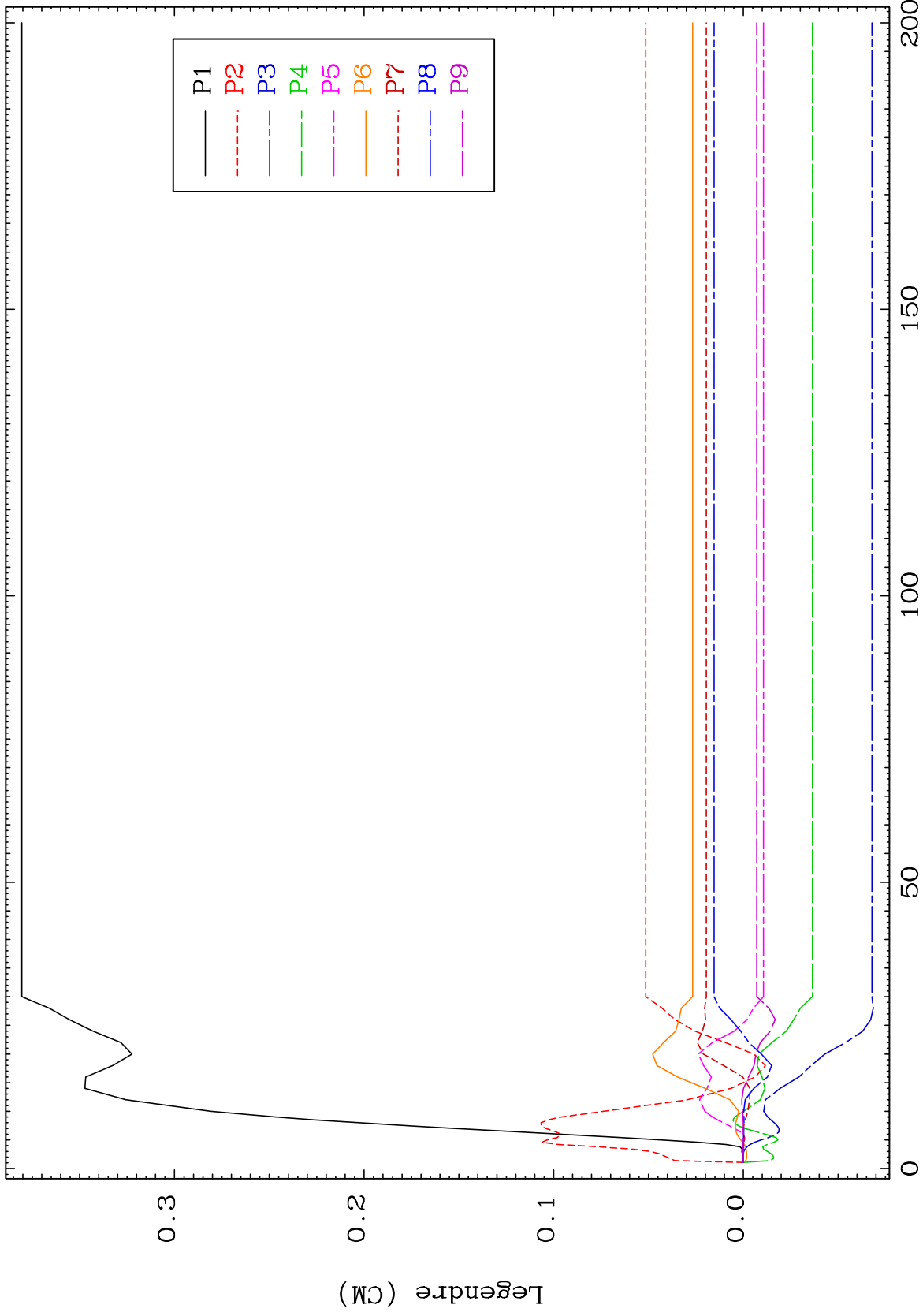


72-Hf-178

Incident Energy (MeV)

30

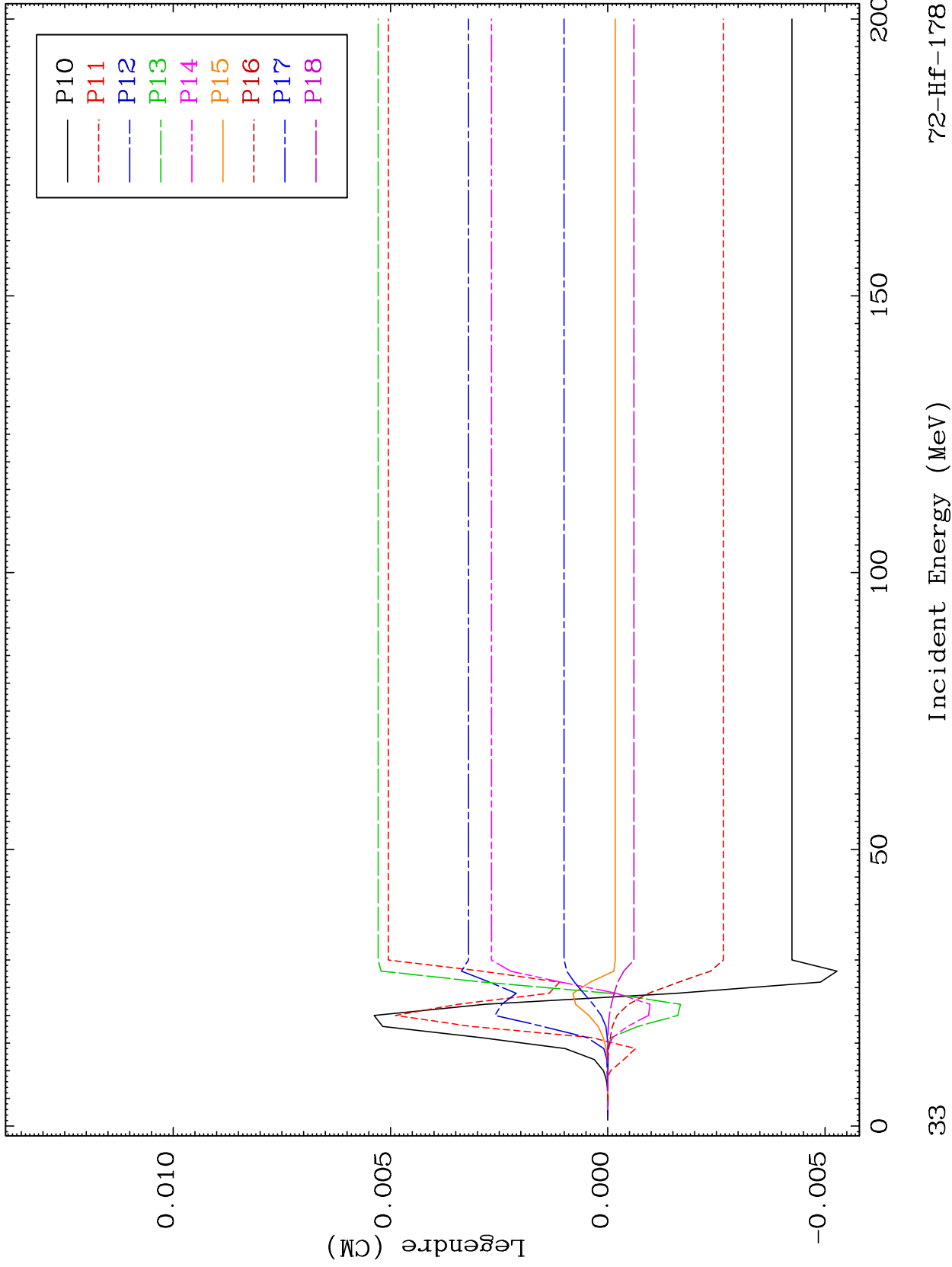




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1.059 MeV (n,n') Level
Legendre Coefficients

72-Hf-178



33

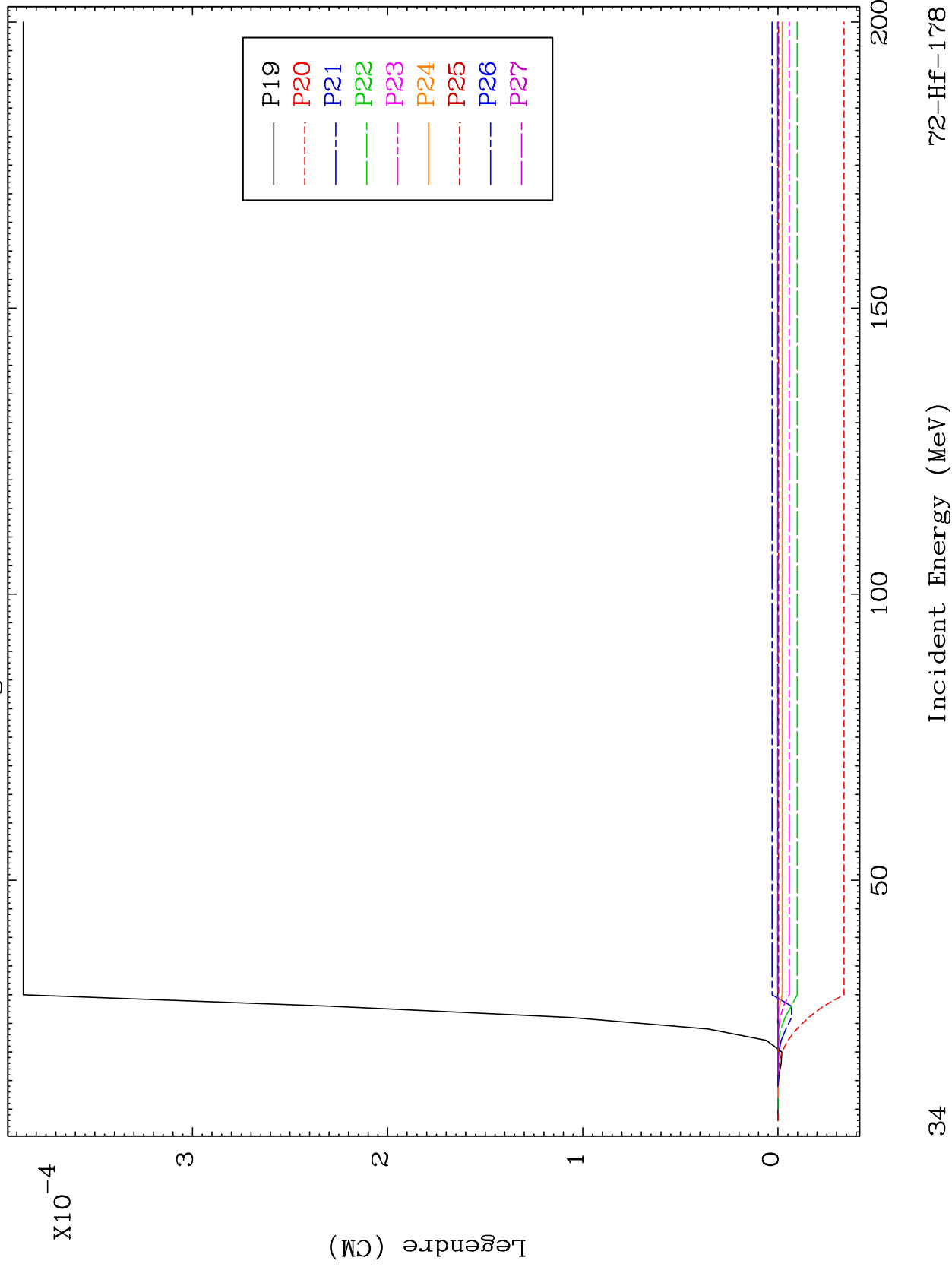
Incident Energy (MeV)

72-Hf-178

MAT 7237

1.059 MeV (n,n') Level
Legendre Coefficients

72-Hf-178



34

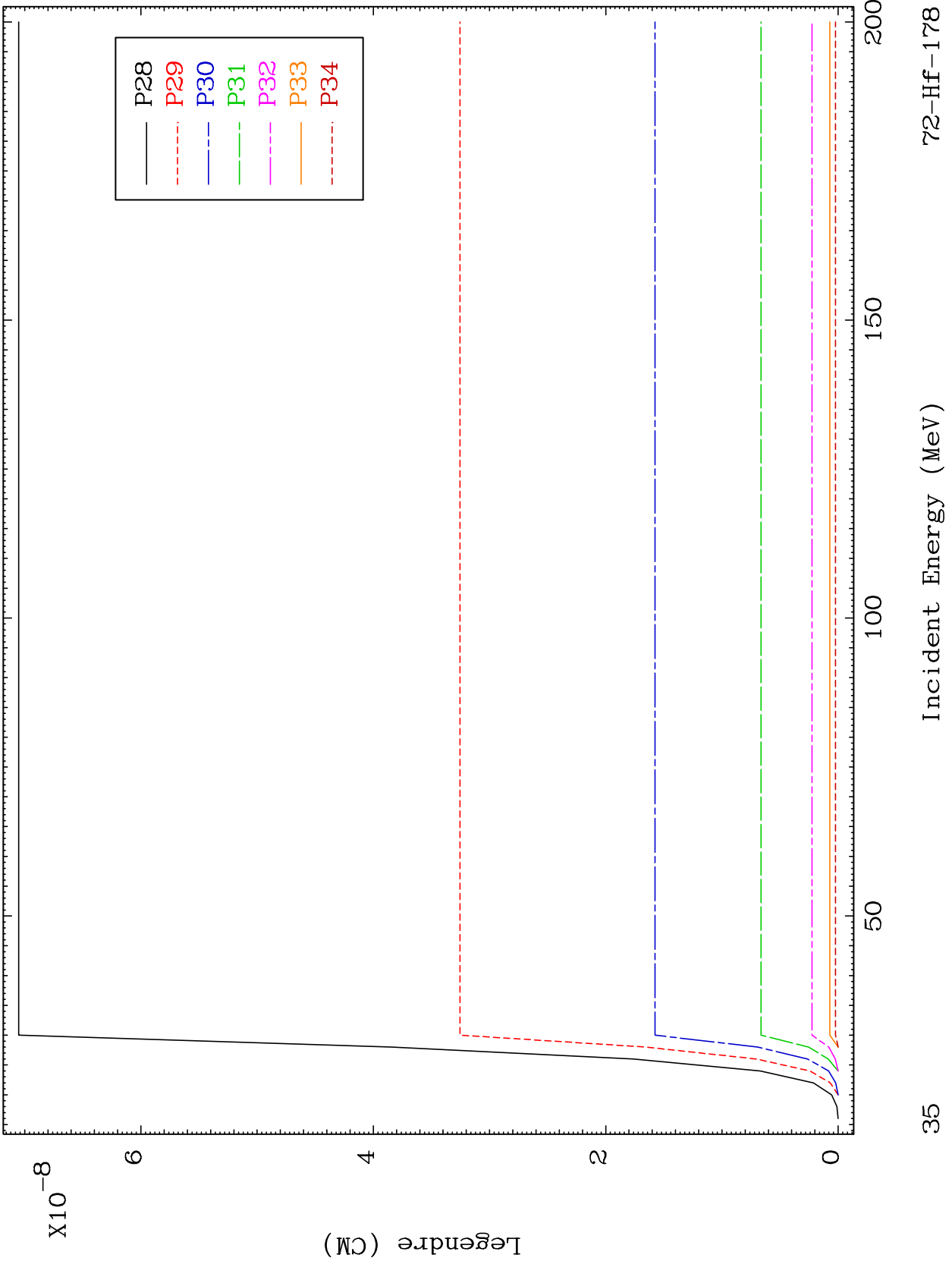
Incident Energy (MeV)

72-Hf-178

MAT 7237

1.059 MeV (n,n') Level
Legendre Coefficients

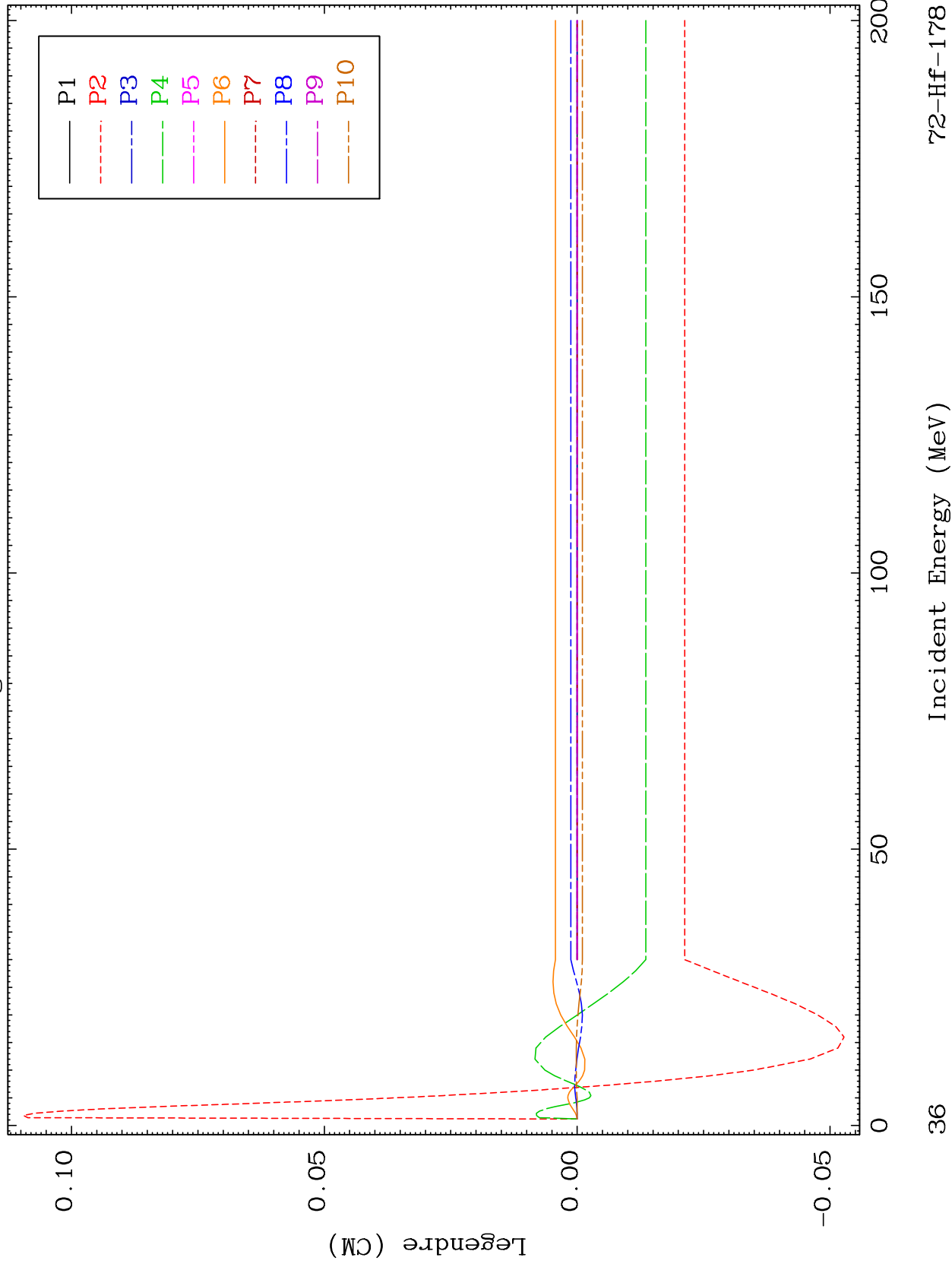
72-Hf-178



MAT 7237

1.147 MeV (n,n') Level
Legendre Coefficients

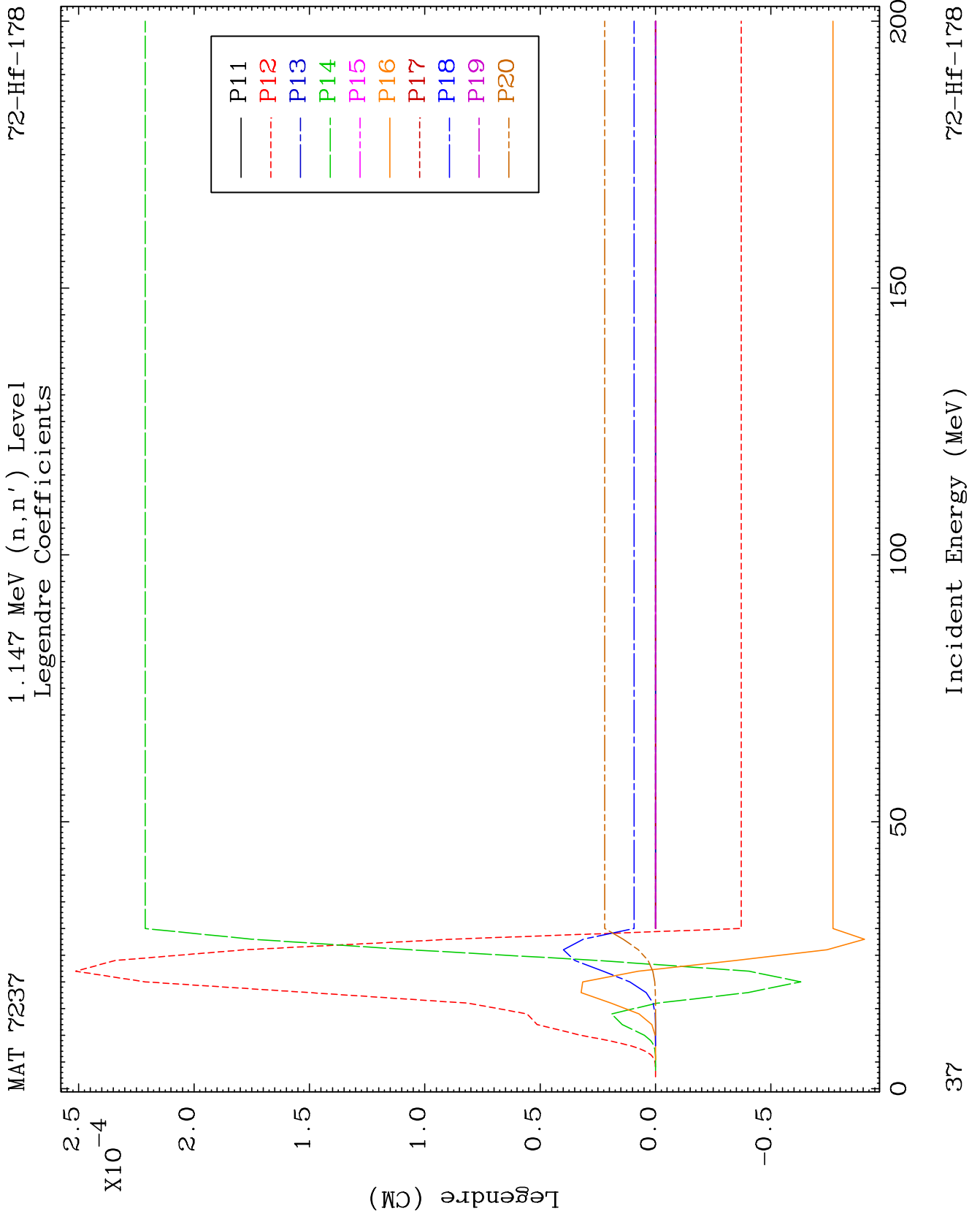
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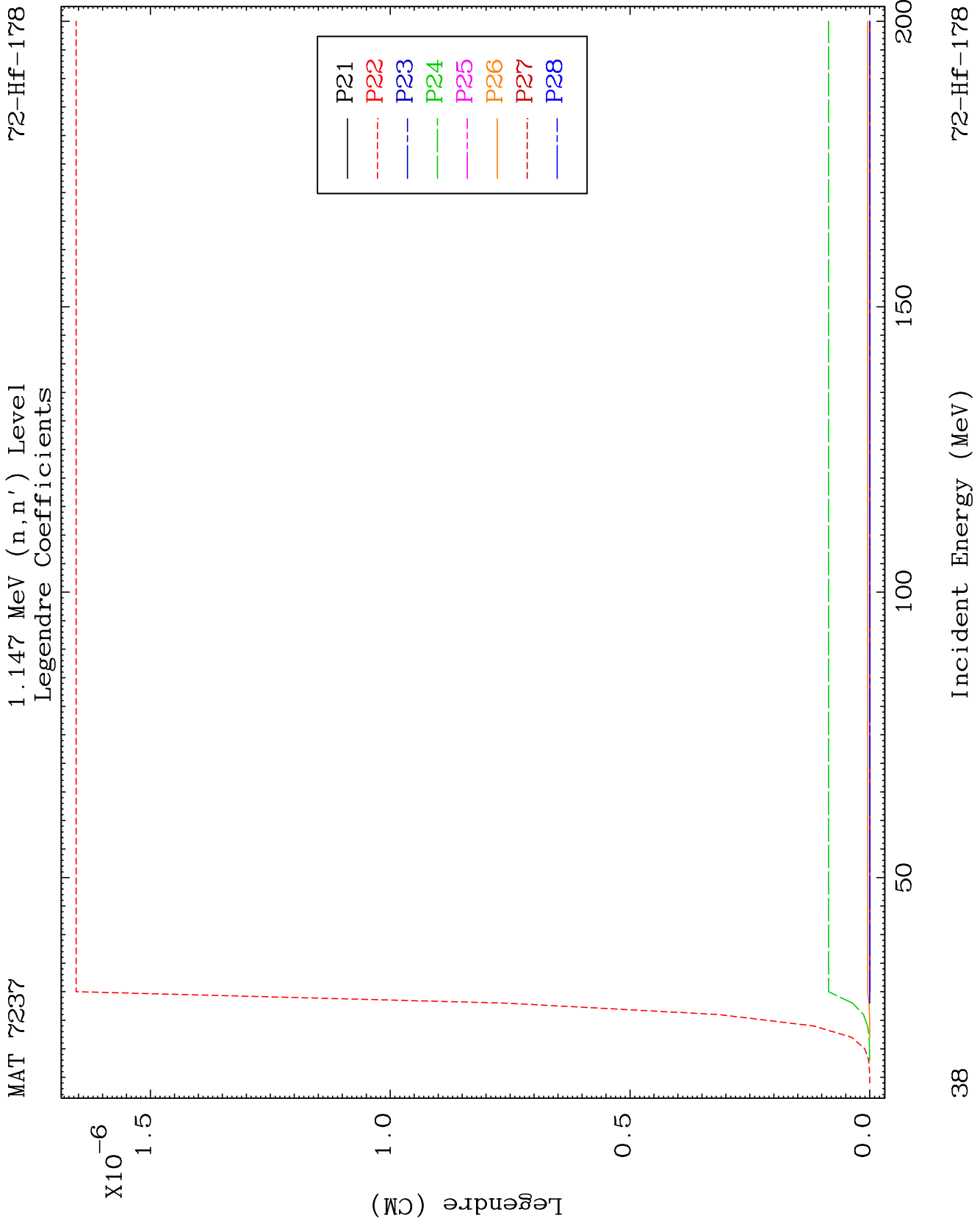


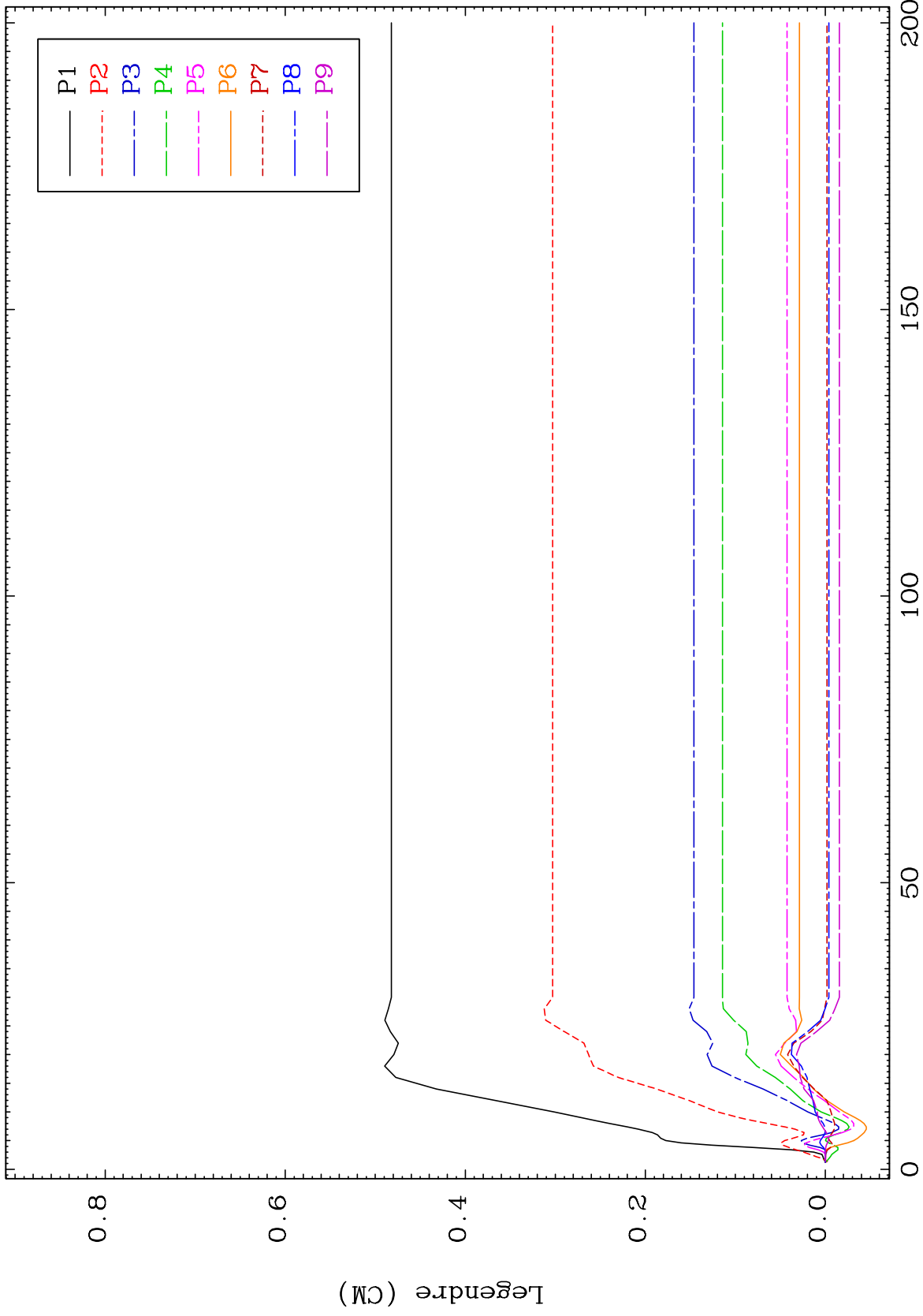
72-Hf-178

Incident Energy (MeV)

36



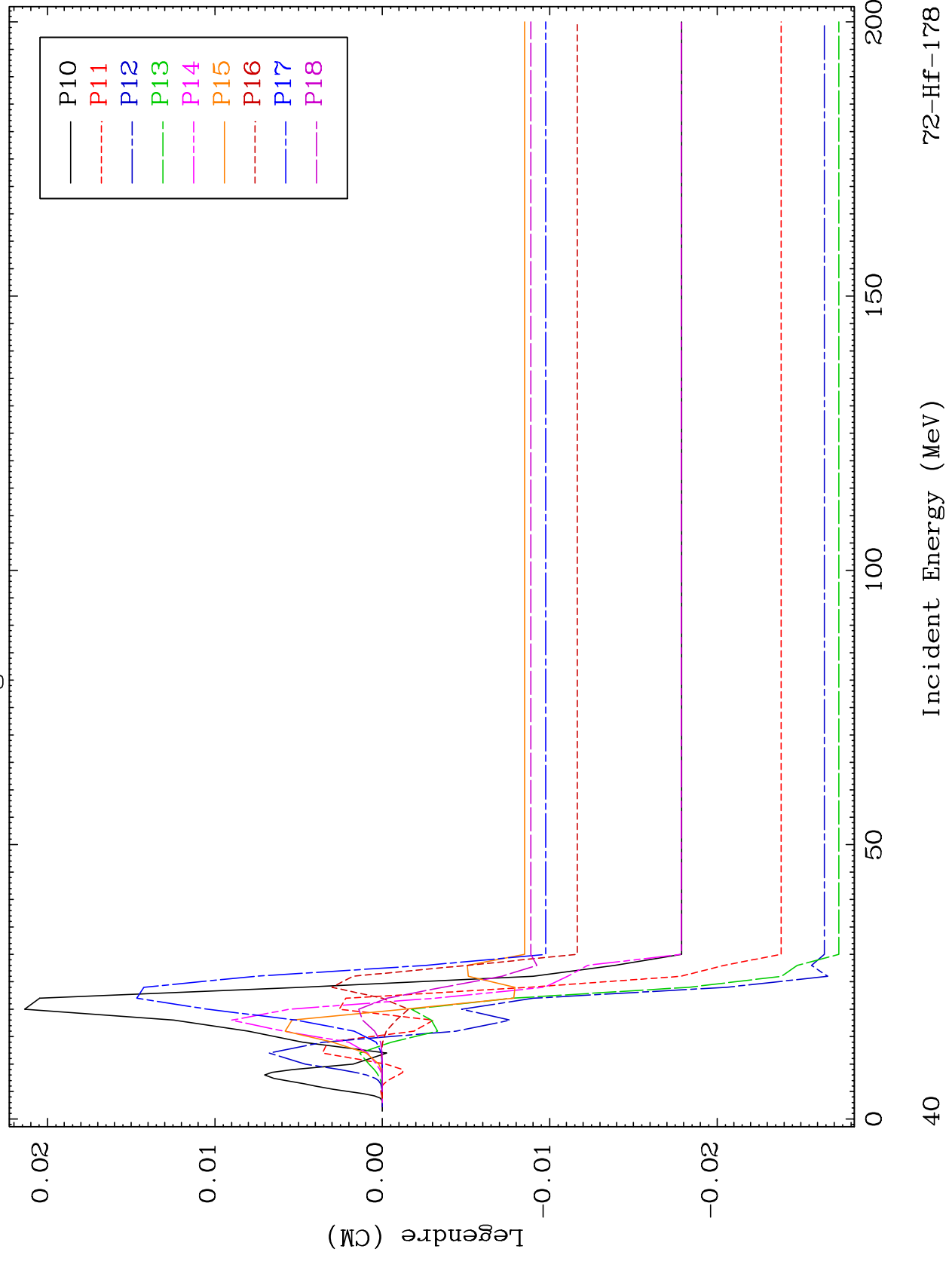




MAT 7237

1.175 MeV (n,n') Level
Legendre Coefficients

72-Hf-178



72-Hf-178

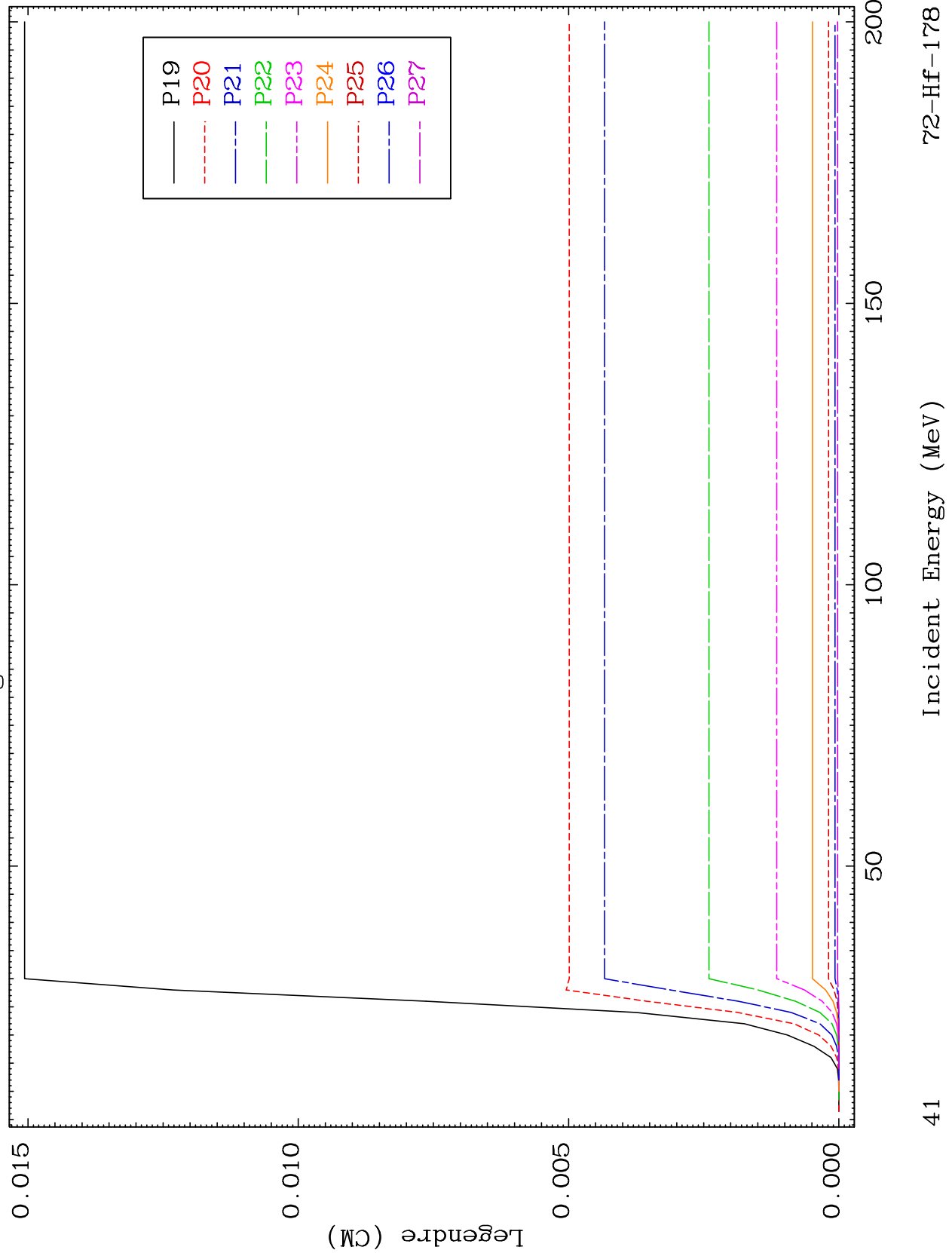
Incident Energy (MeV)

40

MAT 7237

1.175 MeV (n,n') Level Legendre Coefficients

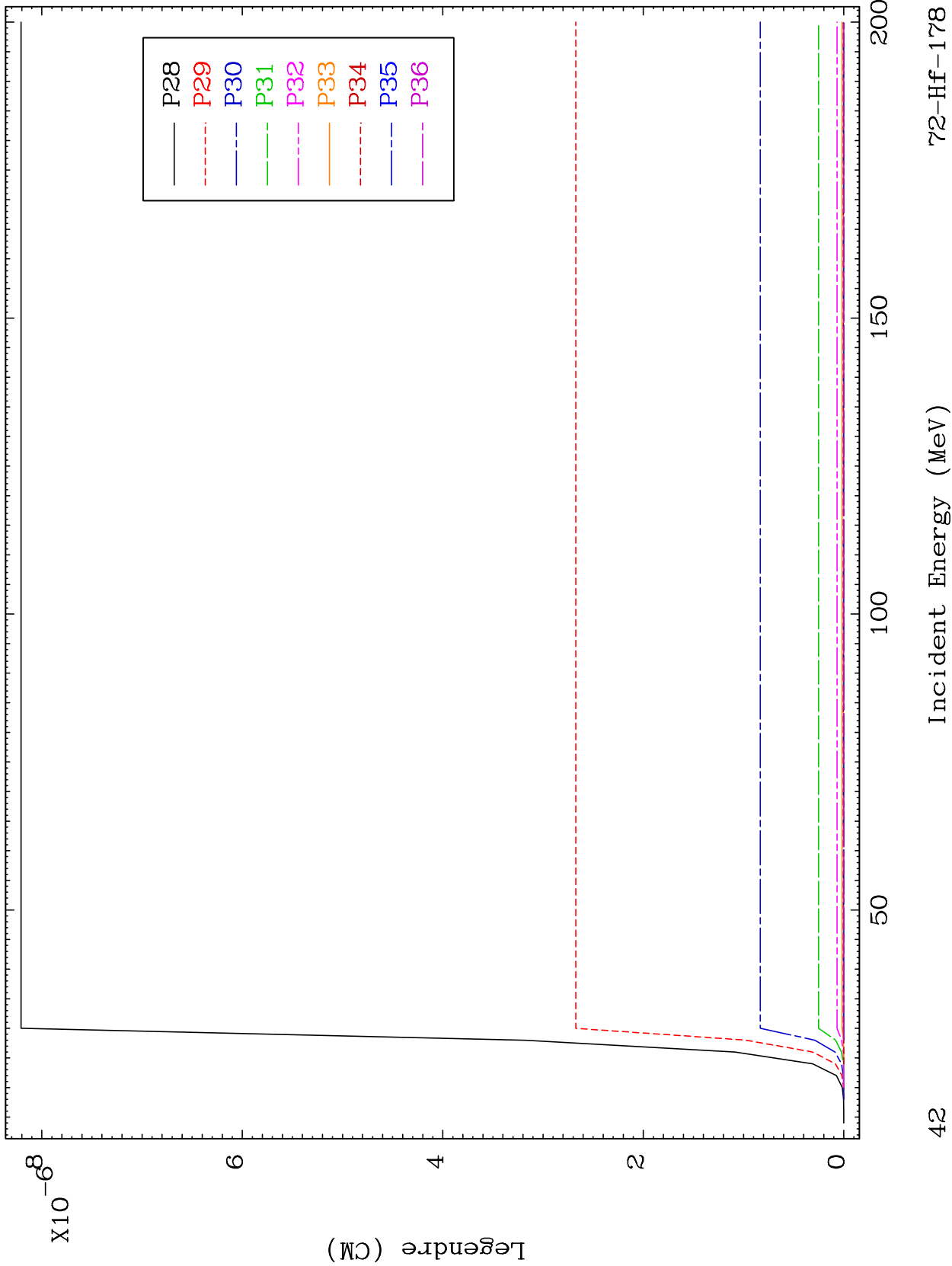
72-Hf-178



MAT 7237

1.175 MeV (n,n') Level
Legendre Coefficients

72-Hf-178



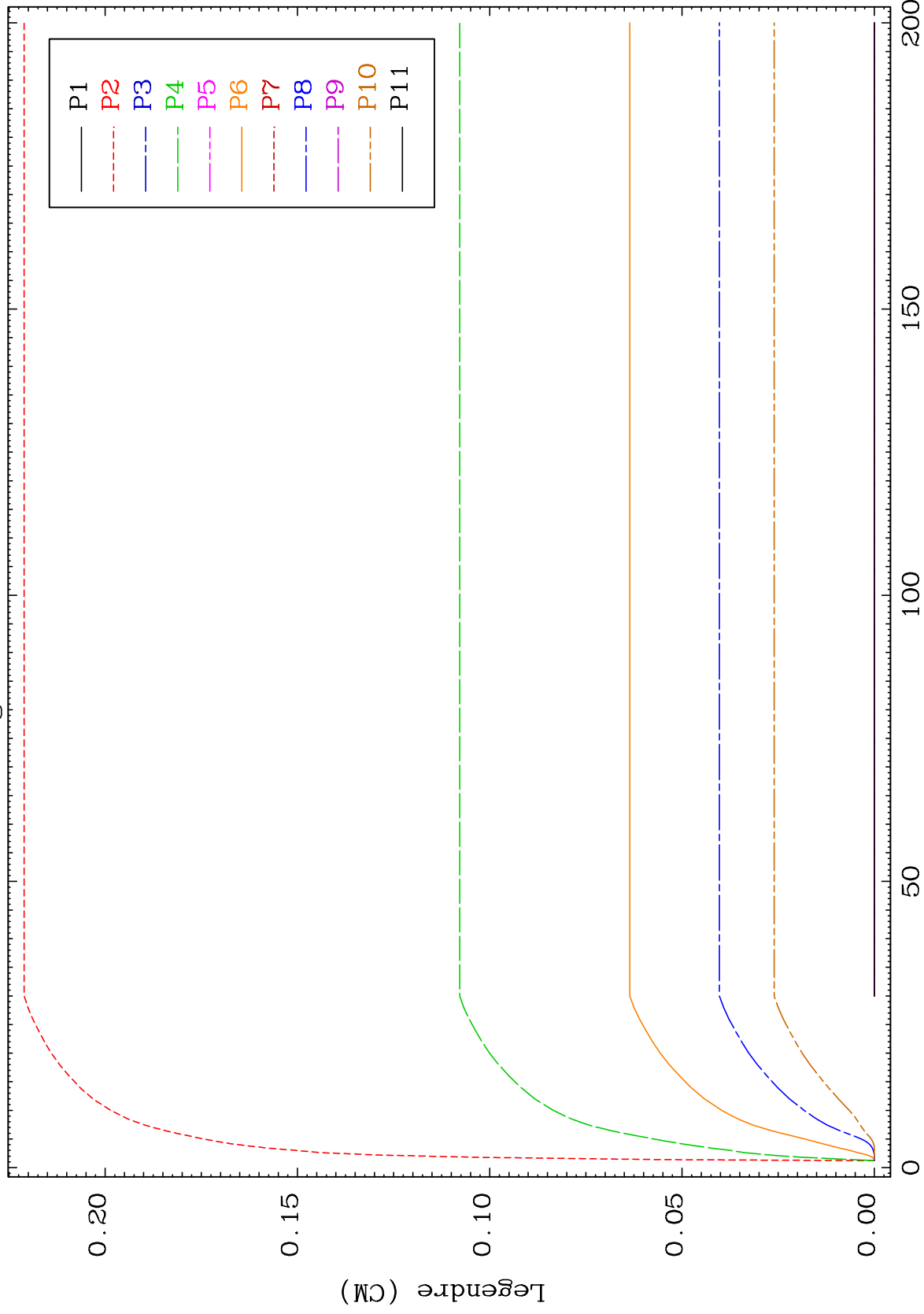
42

72-Hf-178

MAT 7237

1.199 MeV (n,n') Level
Legendre Coefficients

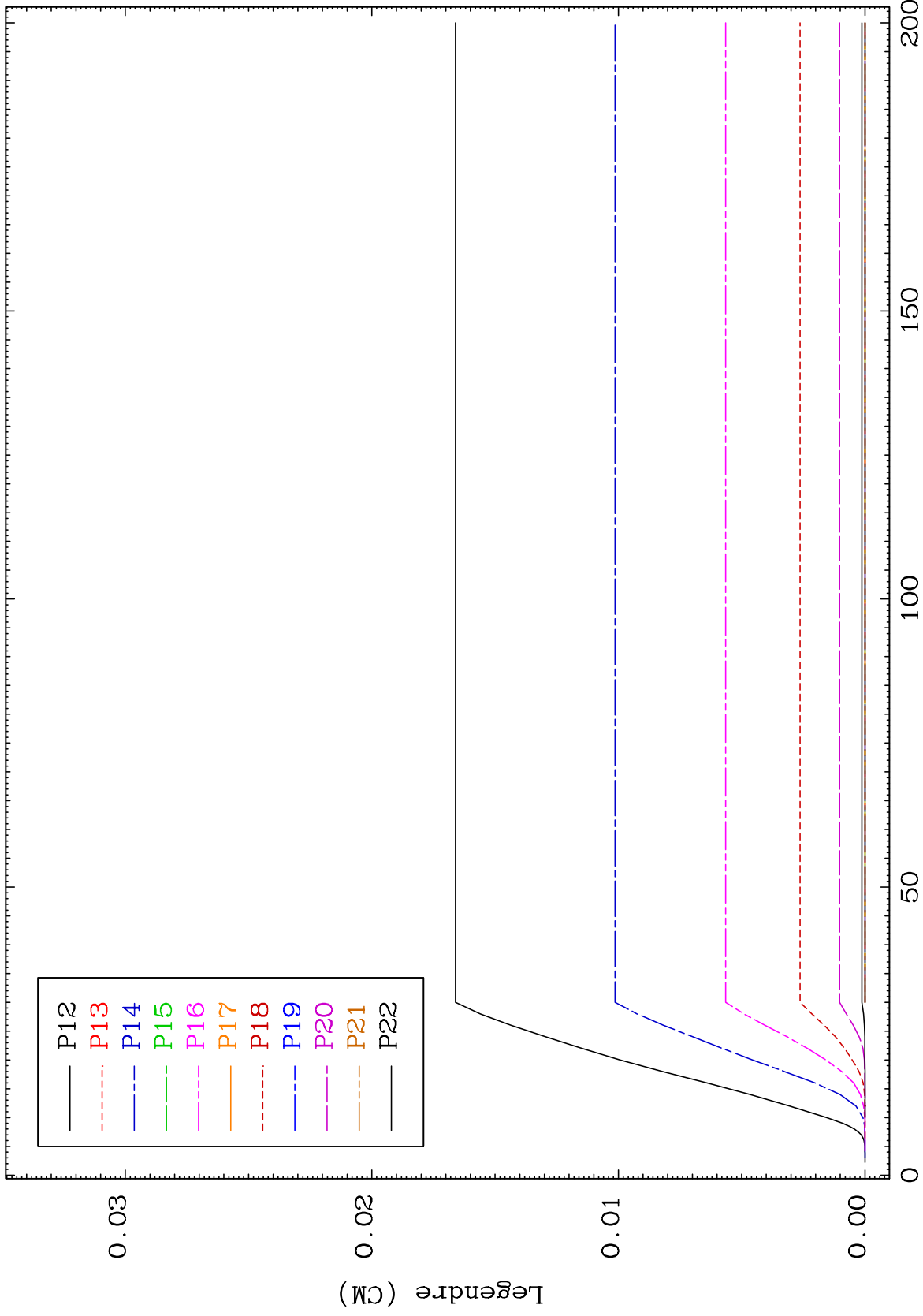
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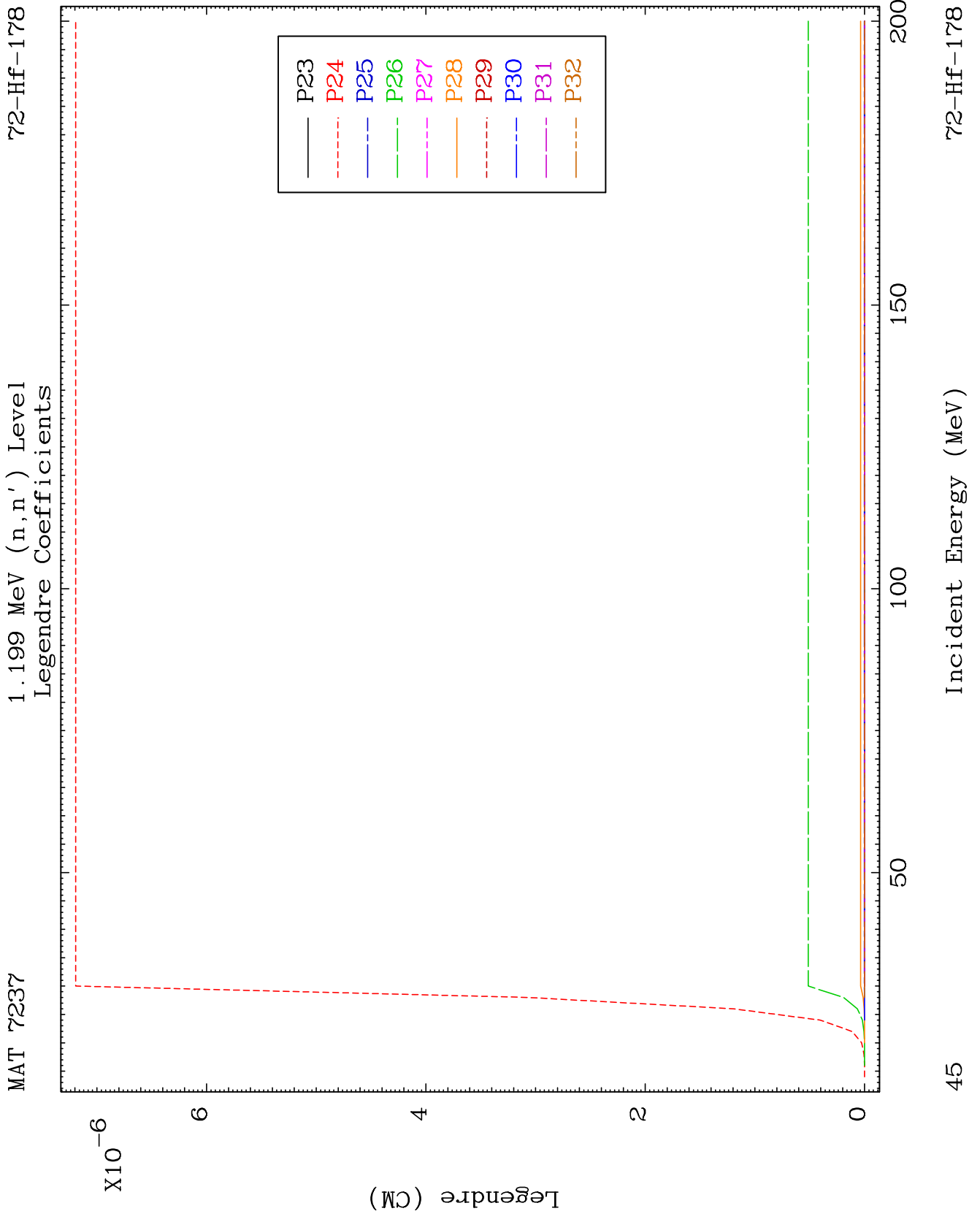


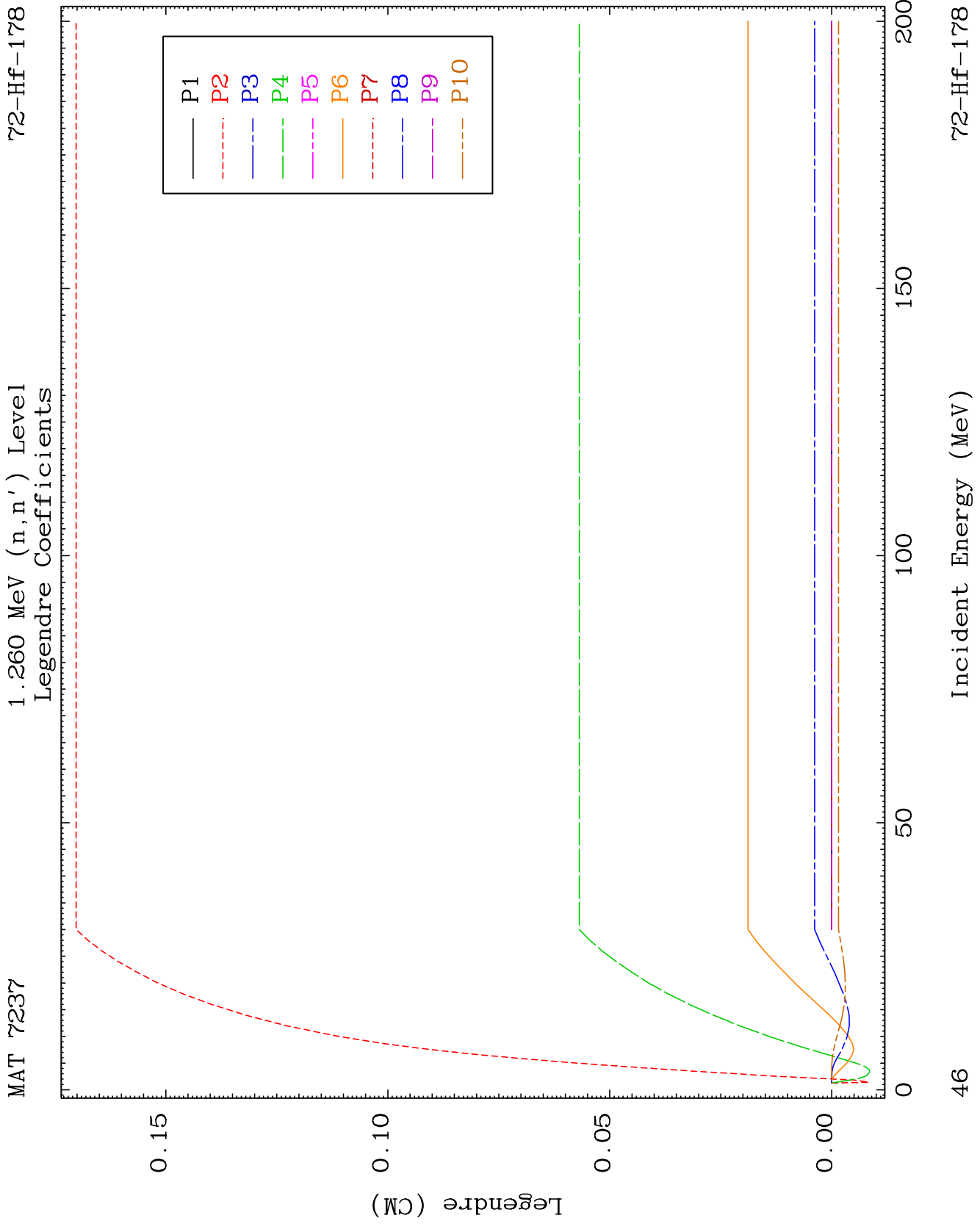
43

Incident Energy (MeV)

72-Hf-178



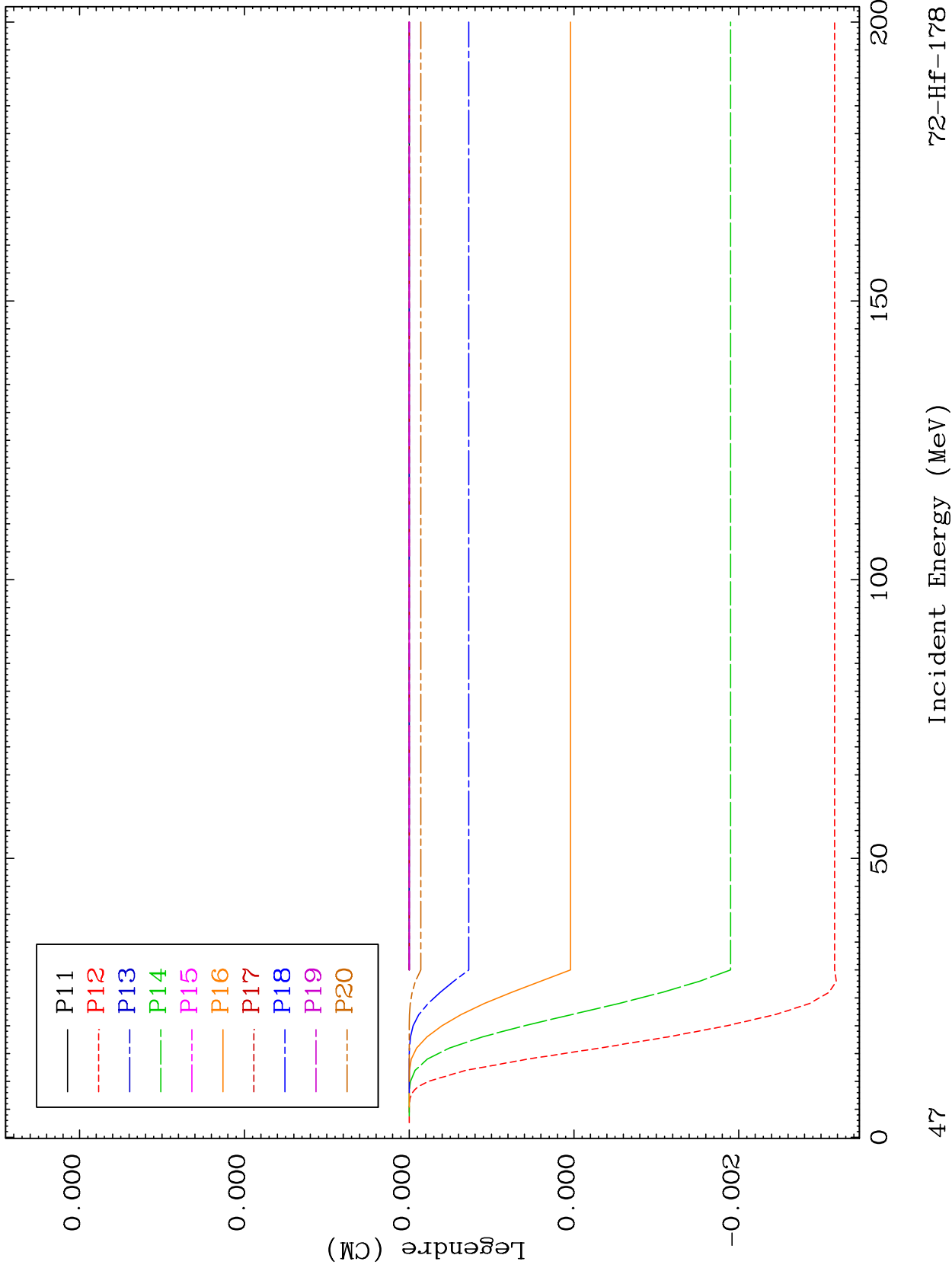




MAT 7237

1.260 MeV (n,n') Level
Legendre Coefficients

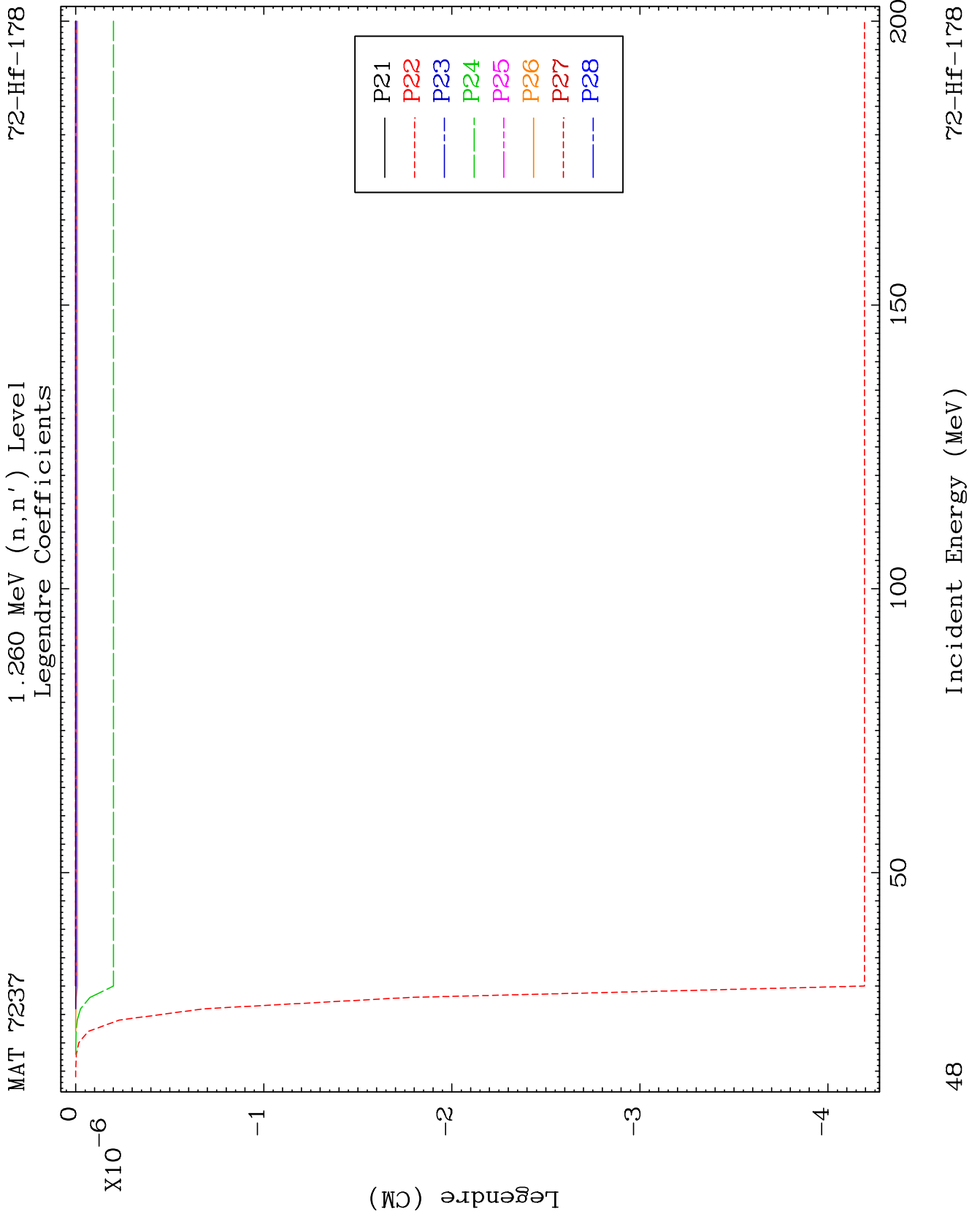
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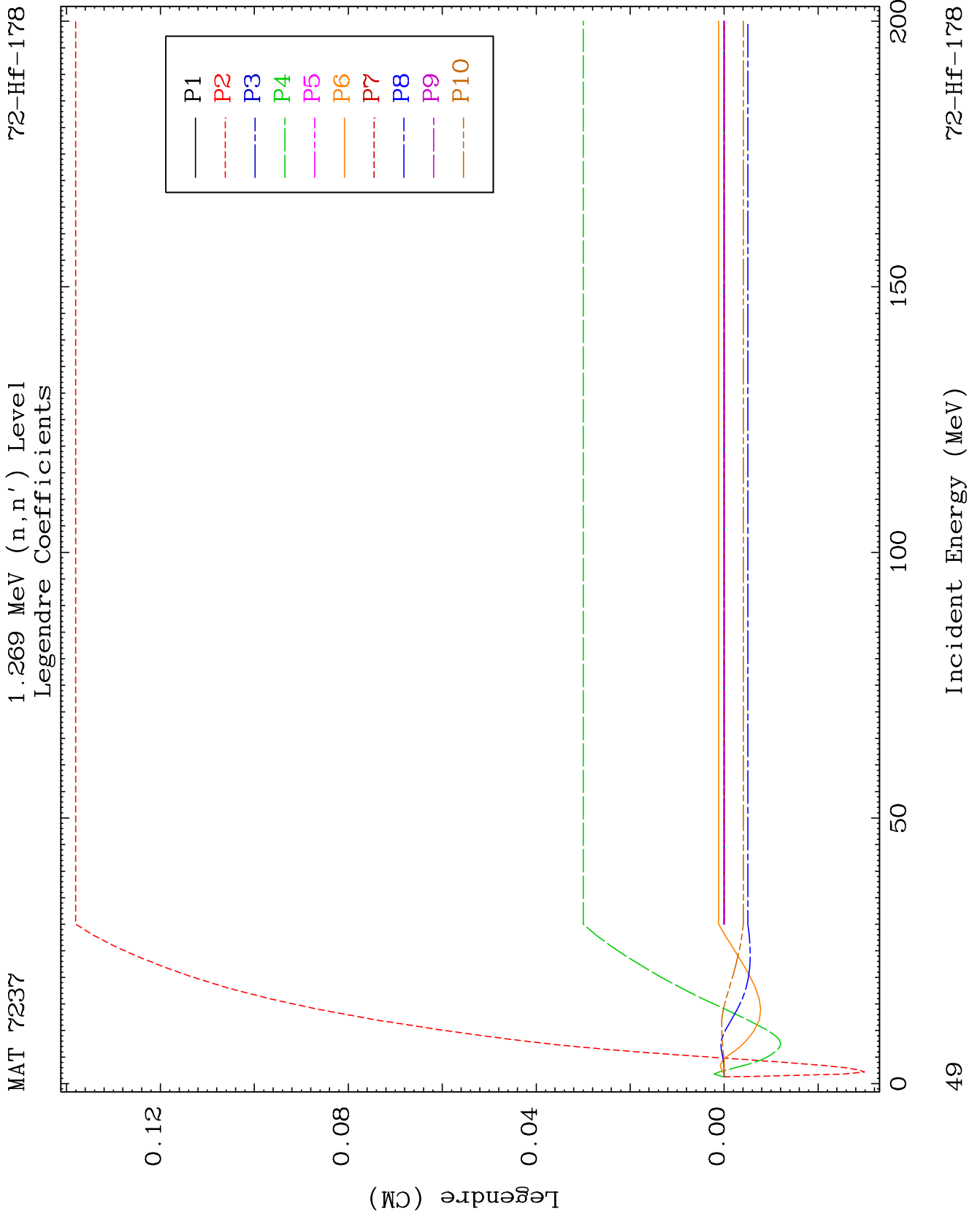


47

Incident Energy (MeV)

72-Hf-178

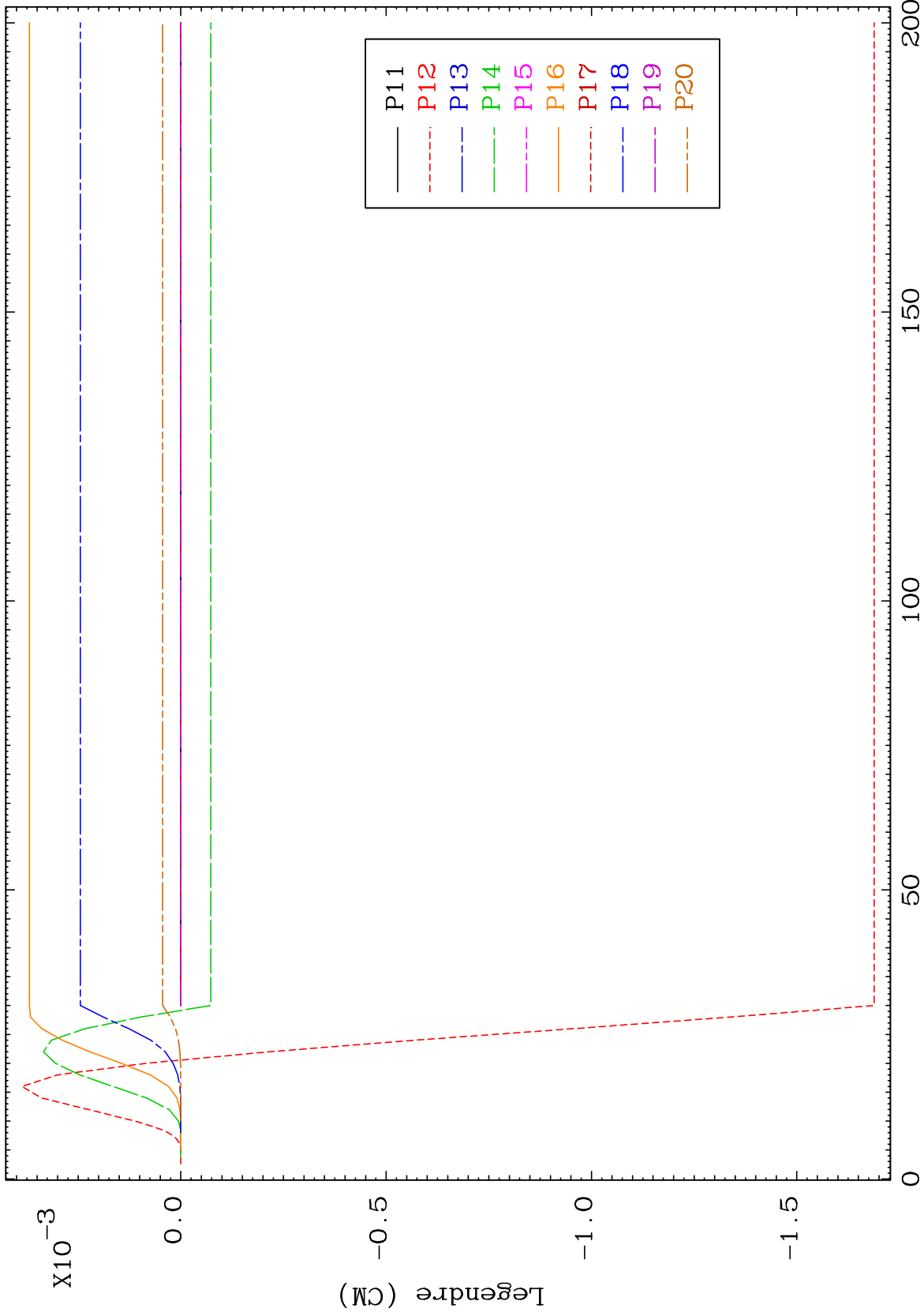




MAT 7237

1.269 MeV (n,n') Level
Legendre Coefficients

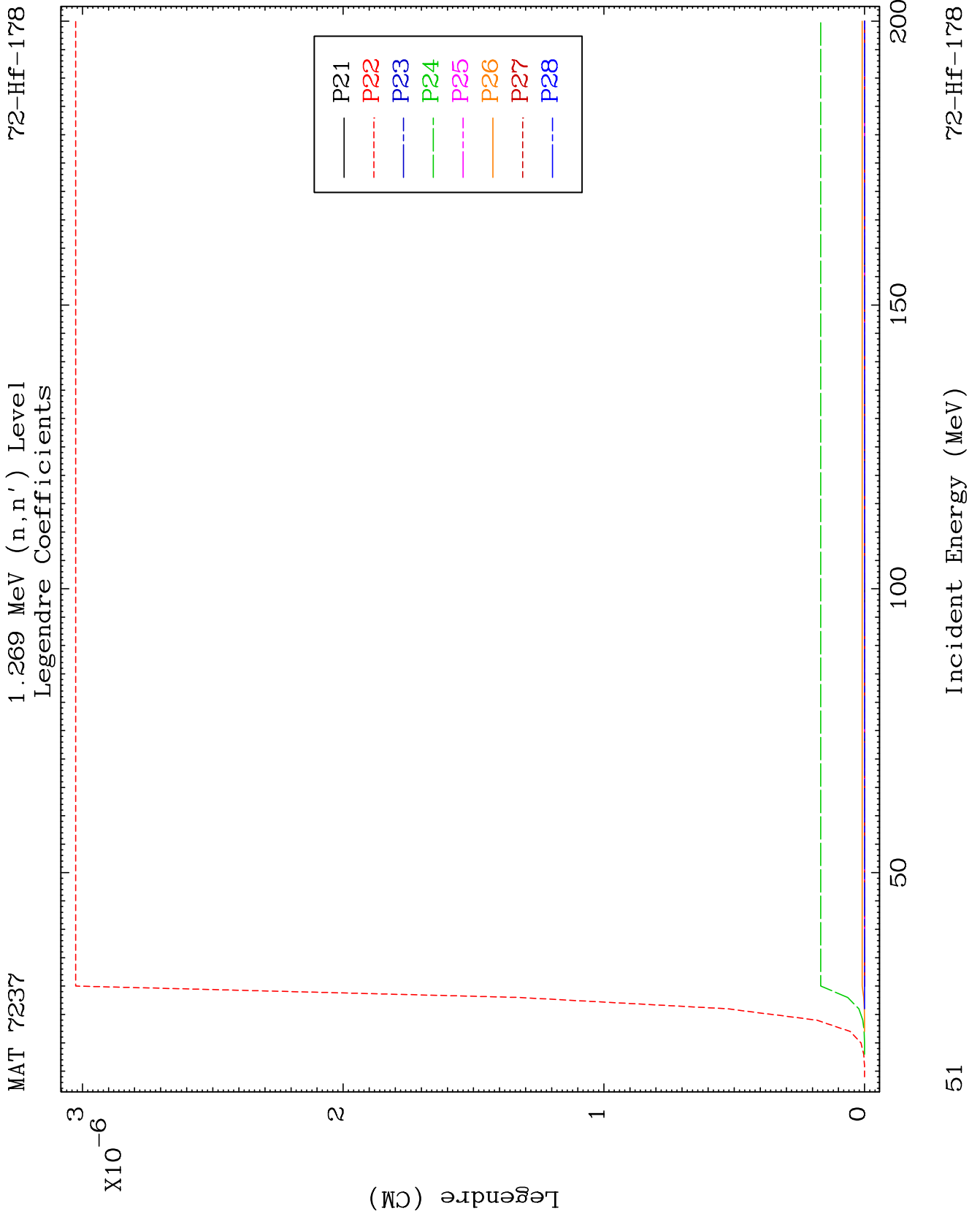
72-Hf-178



72-Hf-178

Incident Energy (MeV)

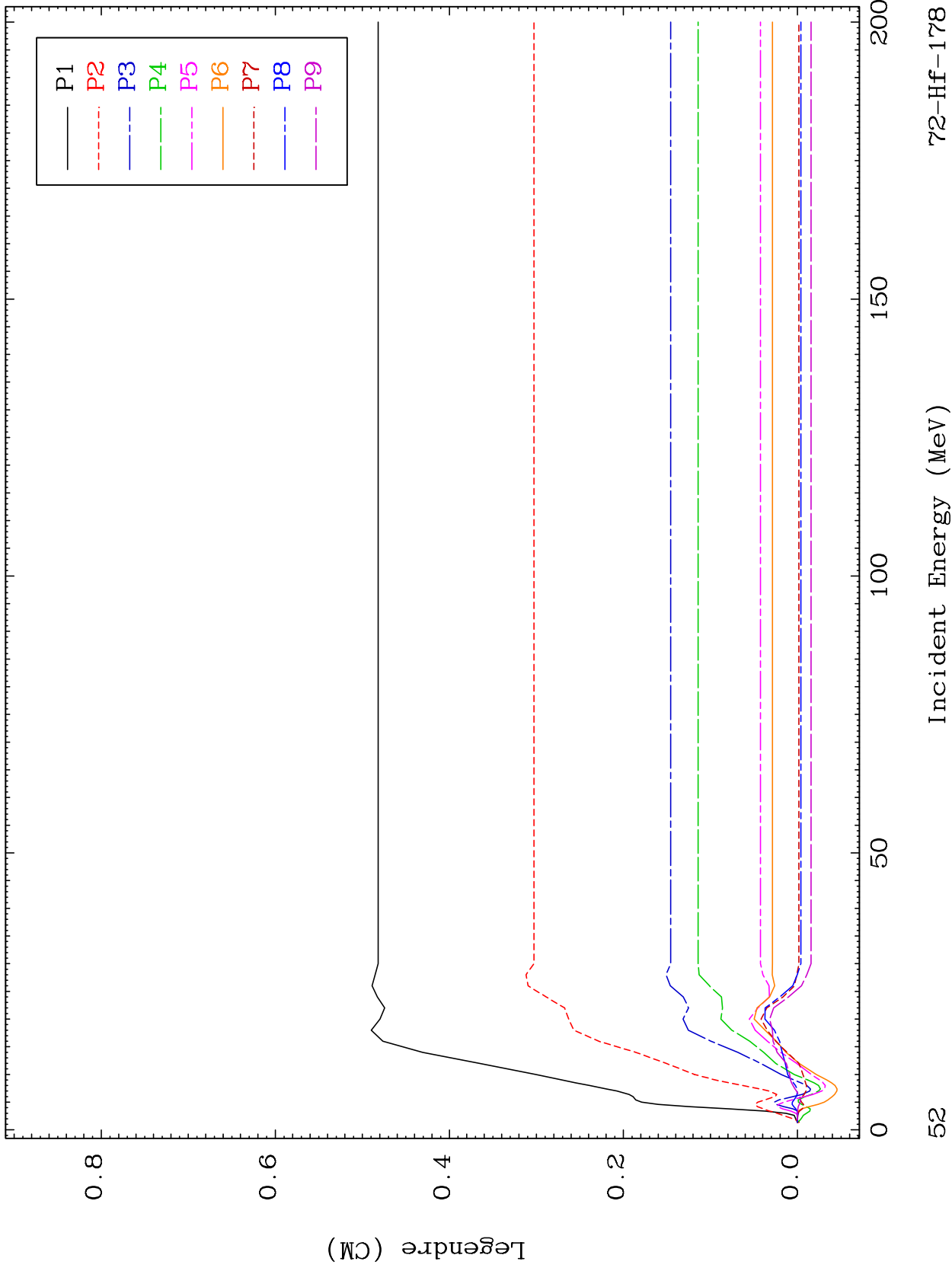
50



MAT 7237

1.277 MeV (n,n') Level
Legendre Coefficients

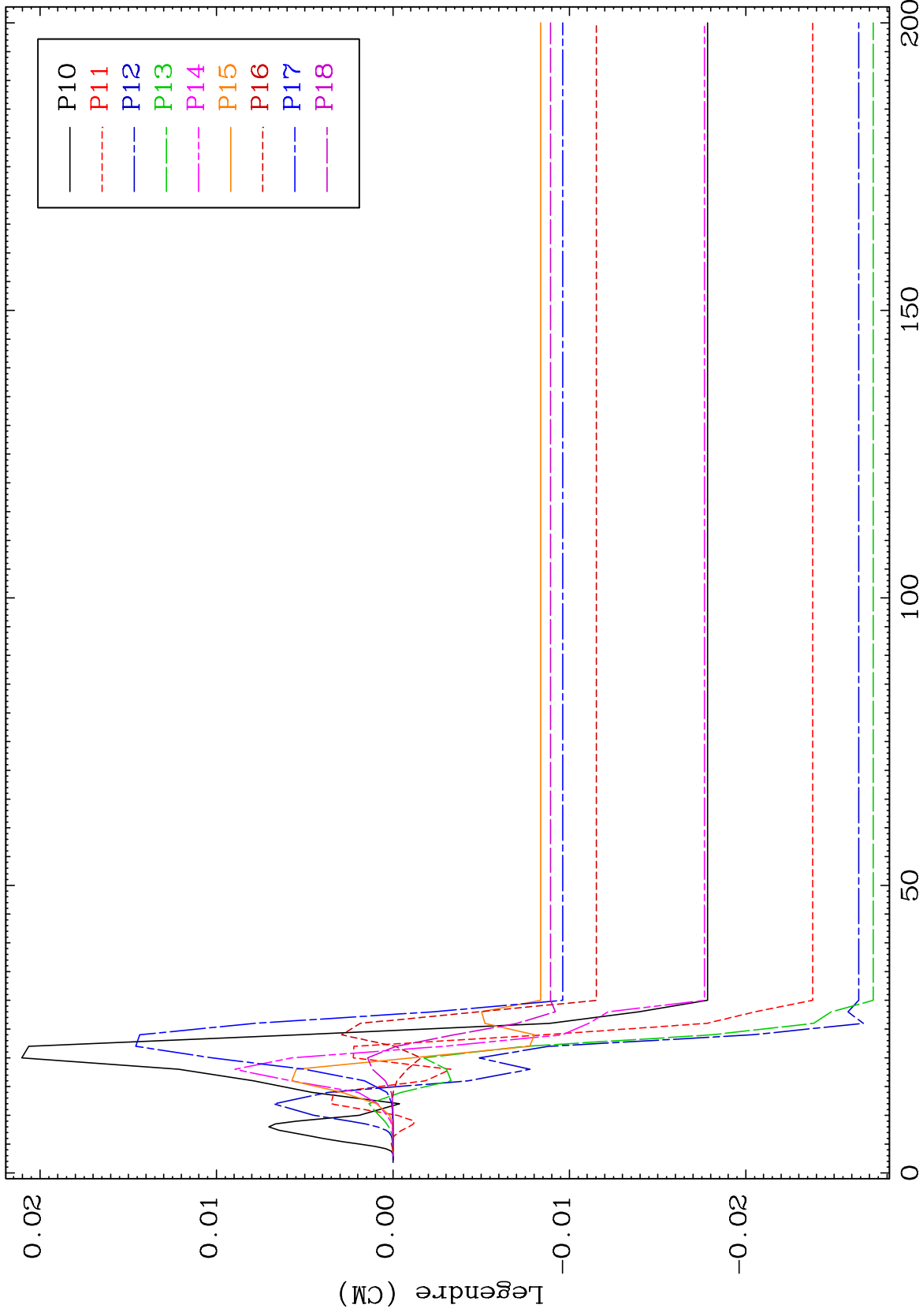
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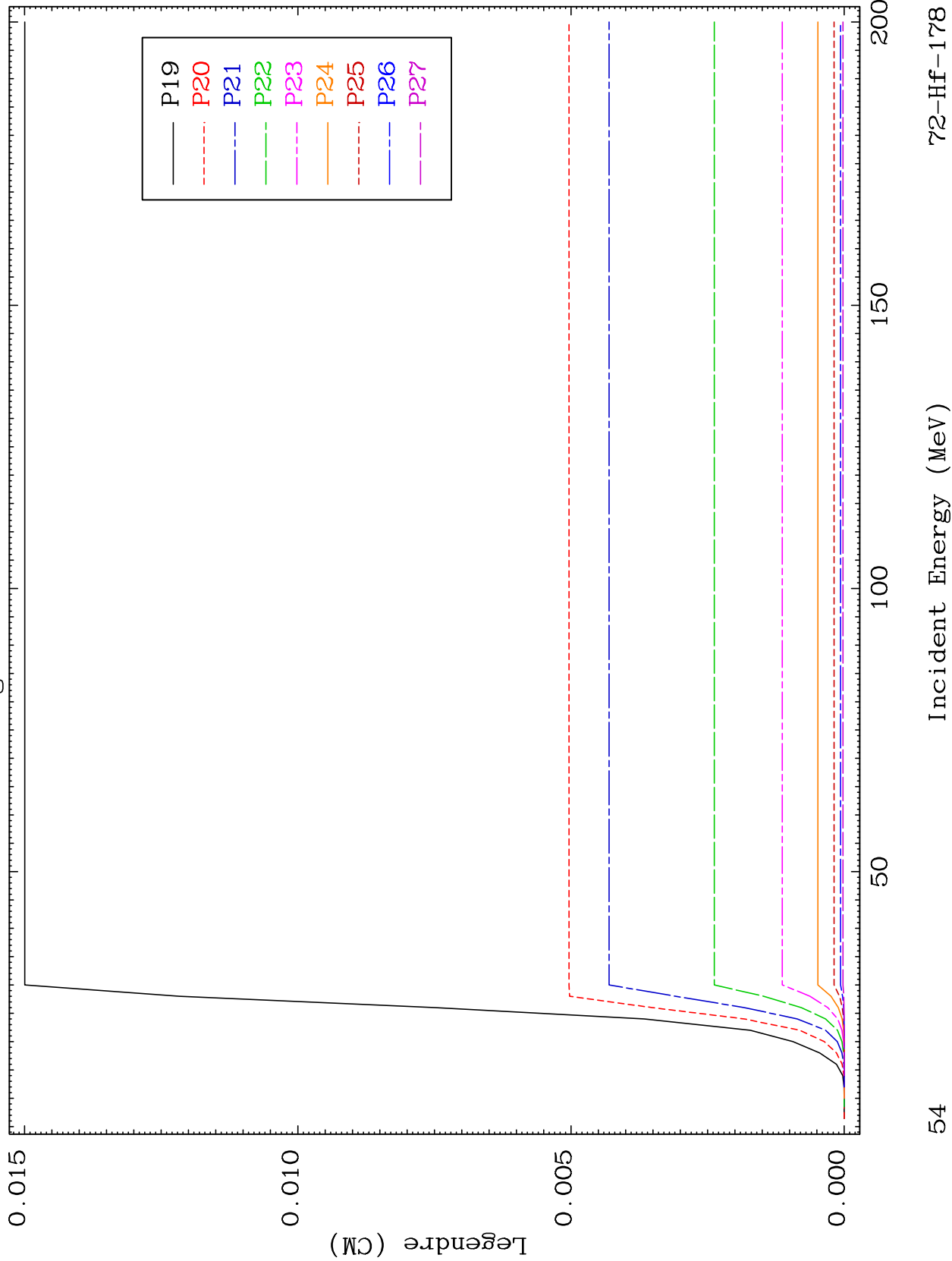


72-Hf-178

Incident Energy (MeV)

52

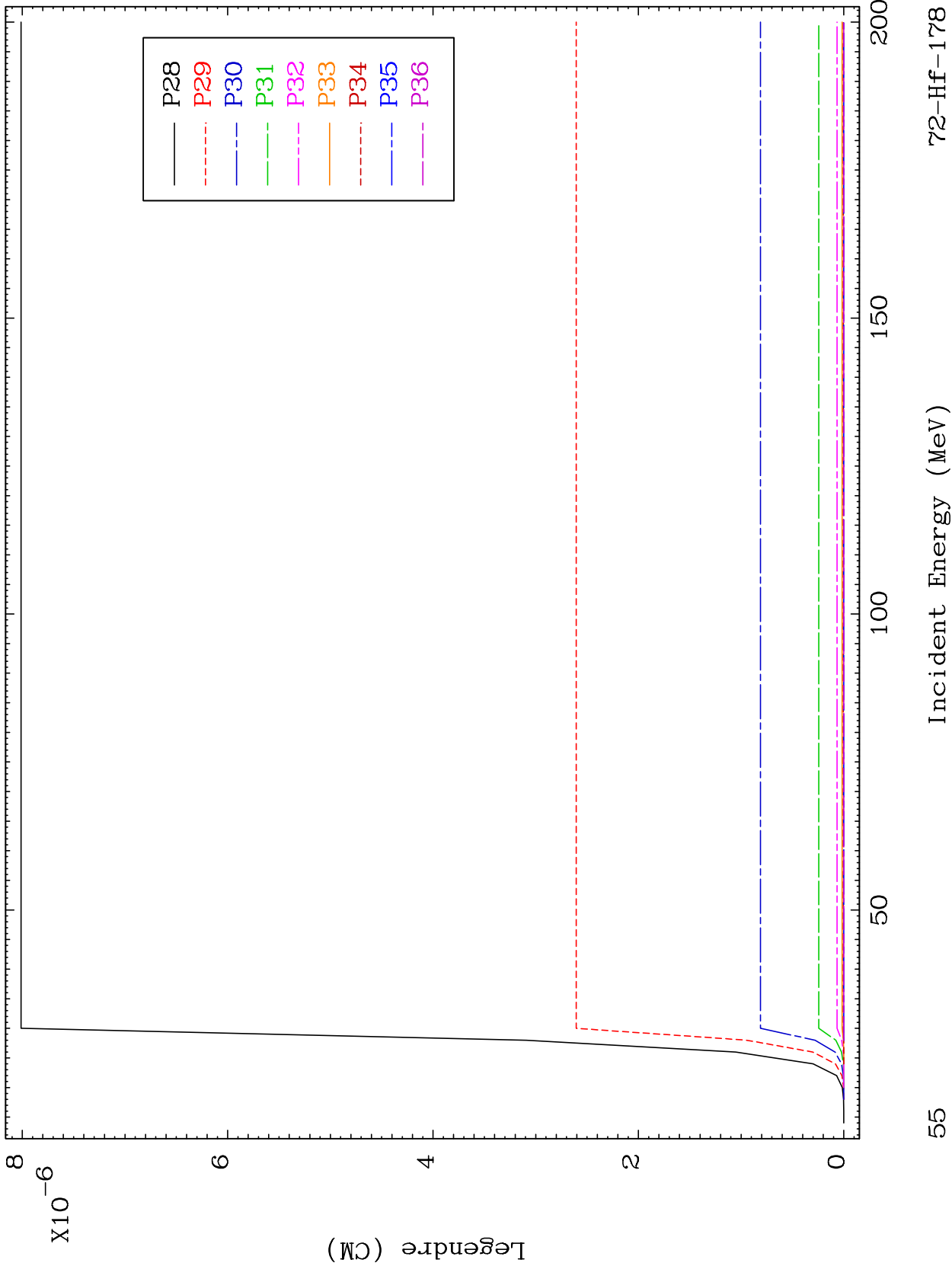




MAT 7237

1.277 MeV (n,n') Level
Legendre Coefficients

72-Hf-178



55

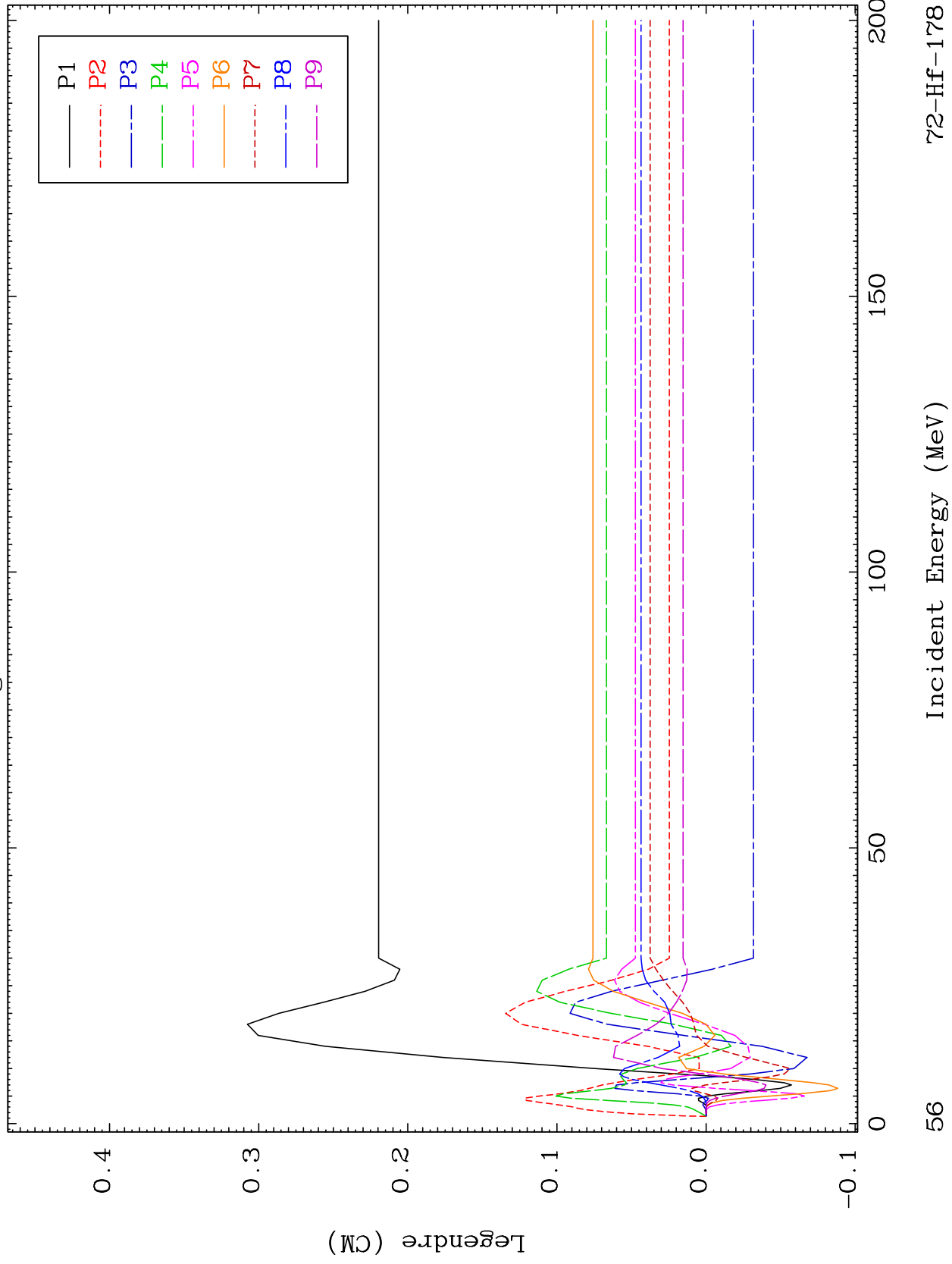
Incident Energy (MeV)

72-Hf-178

MAT 7237

1.310 MeV (n,n') Level
Legendre Coefficients

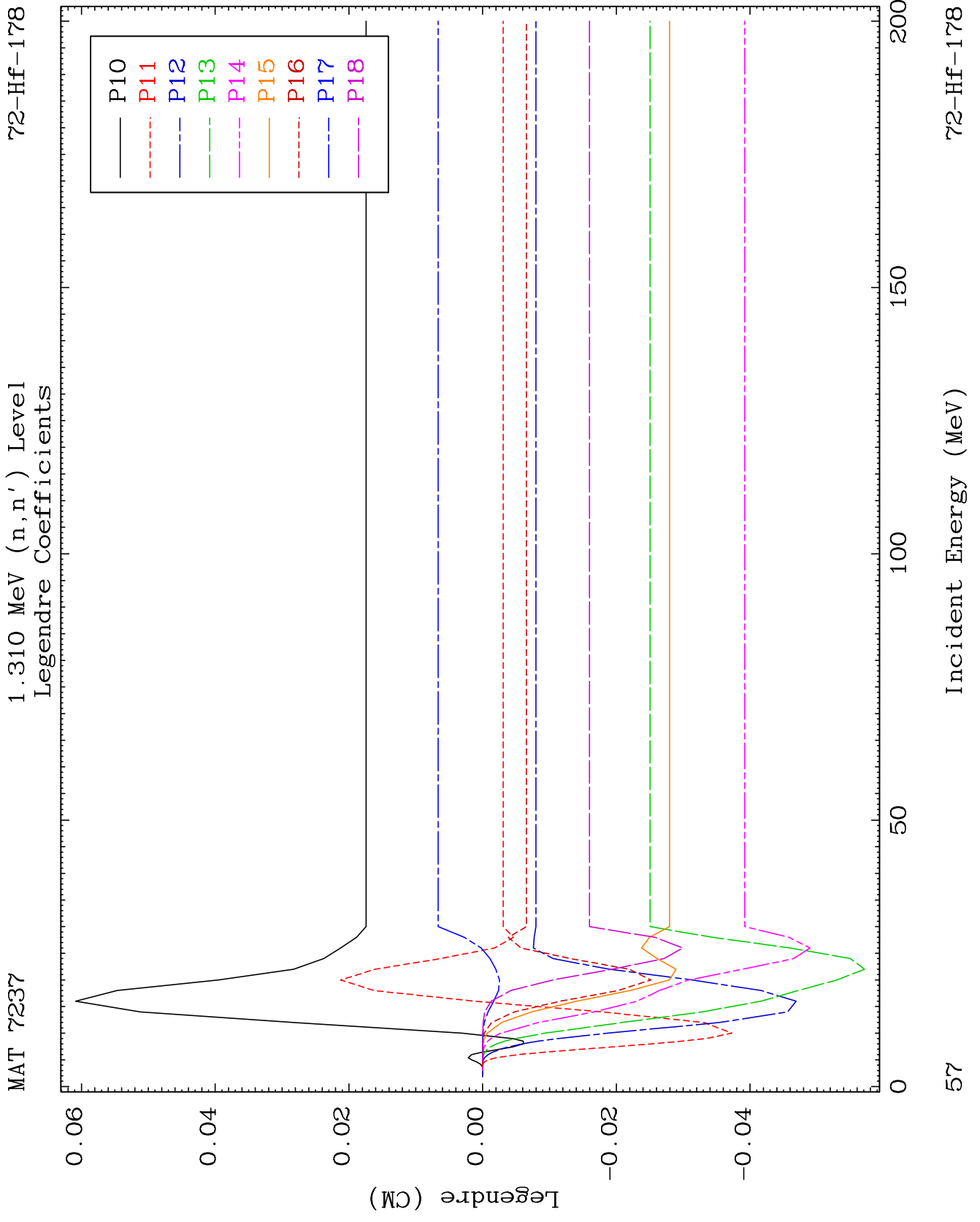
72-Hf-178

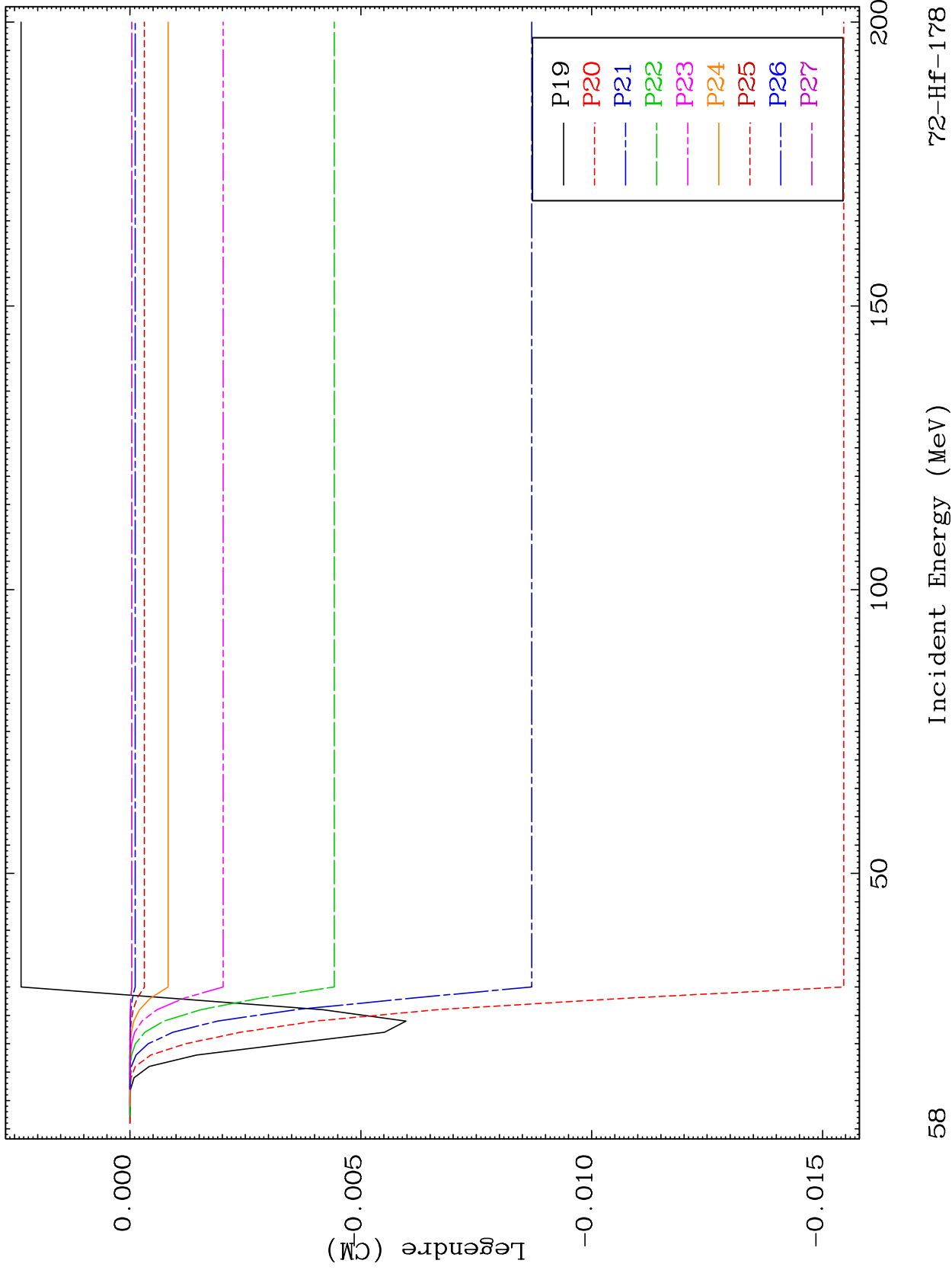


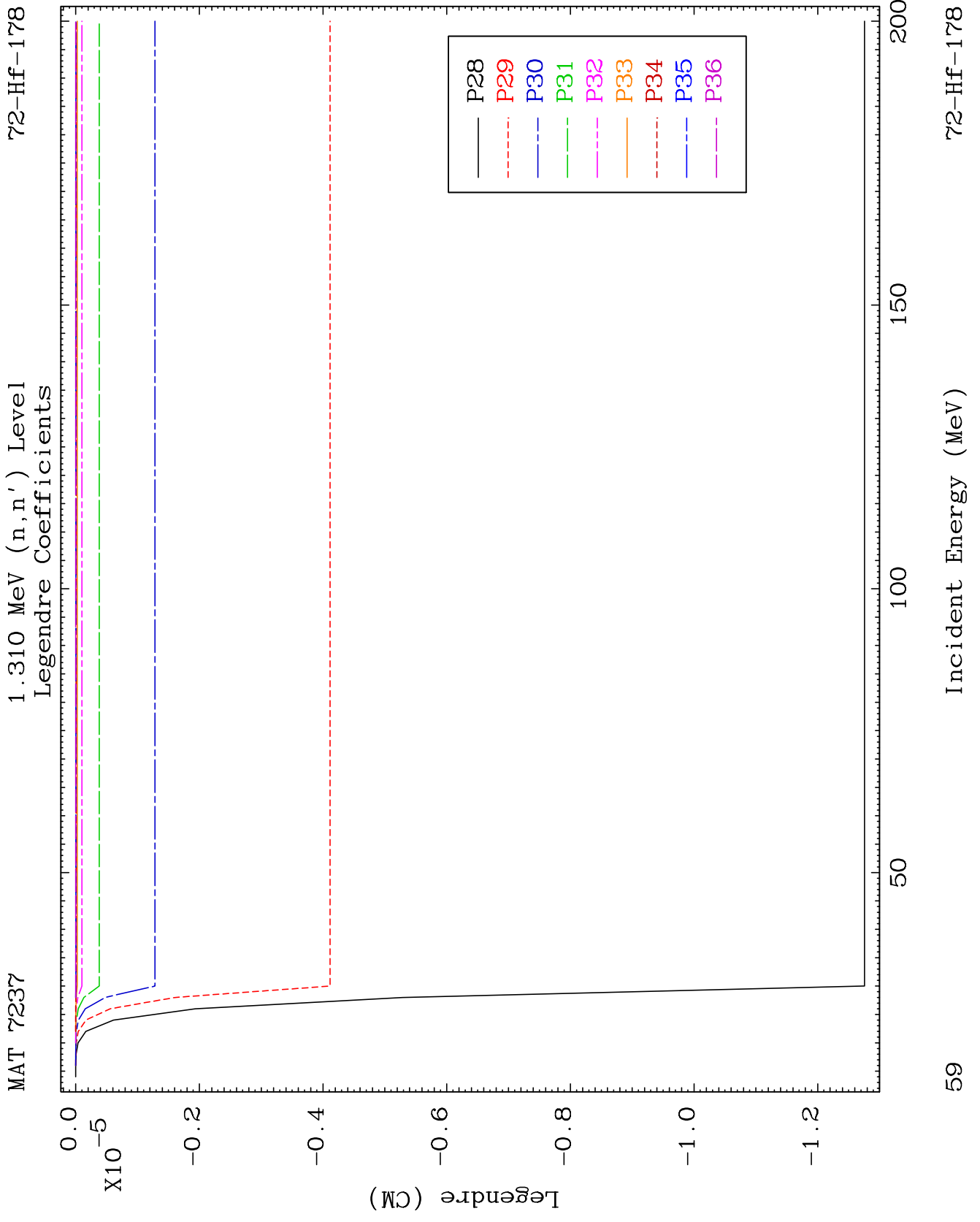
72-Hf-178

Incident Energy (MeV)

56



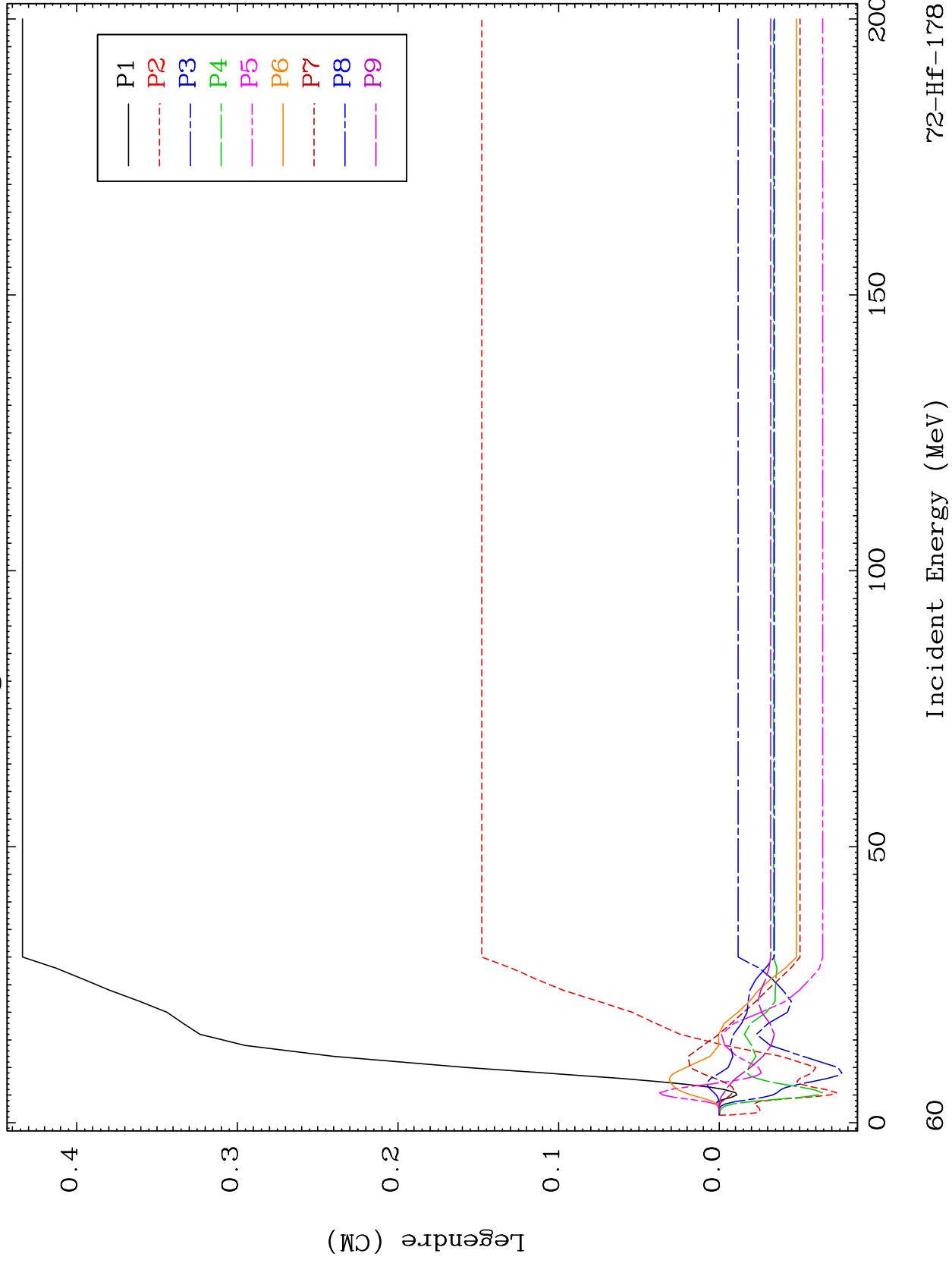




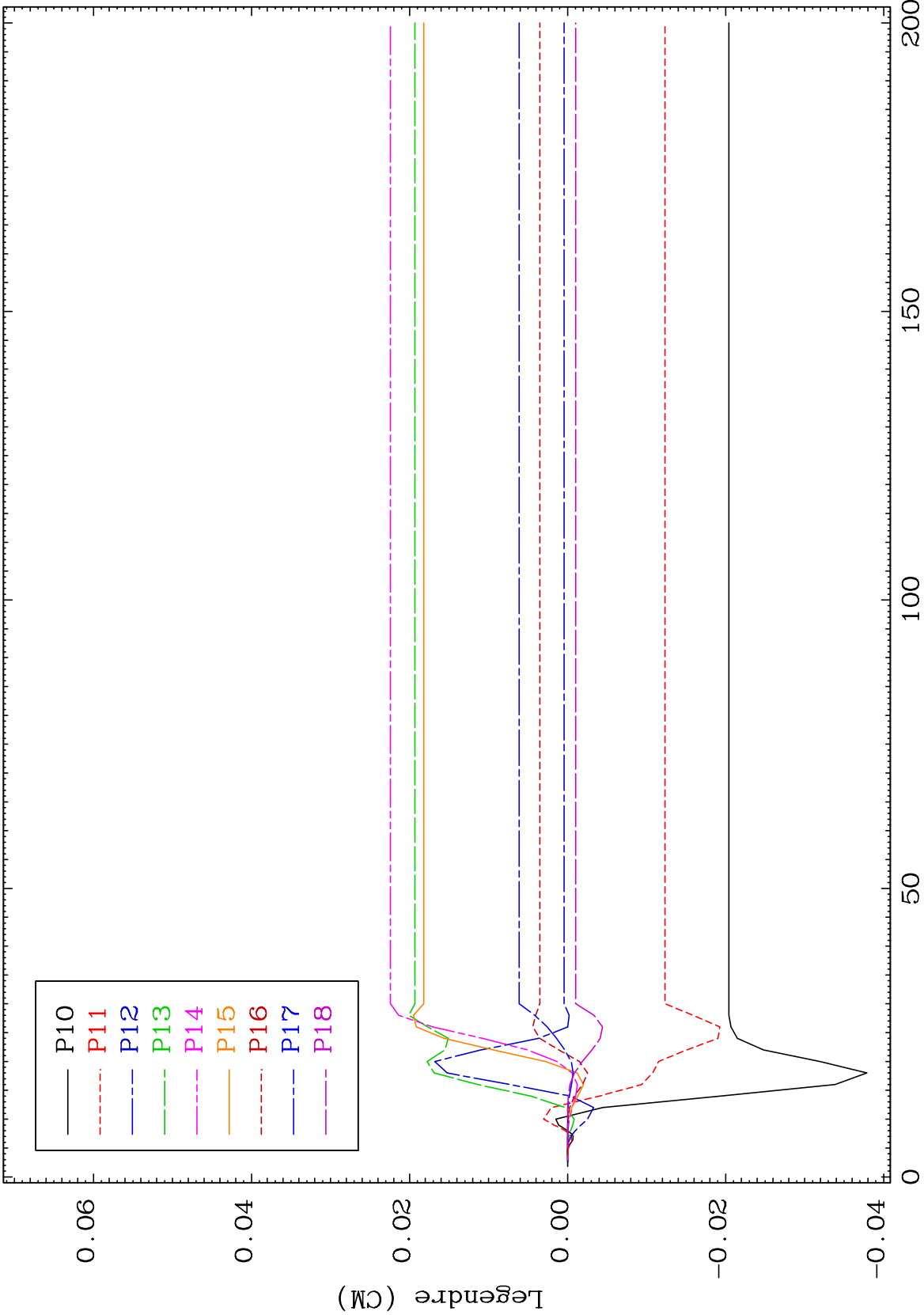
MAT 7237

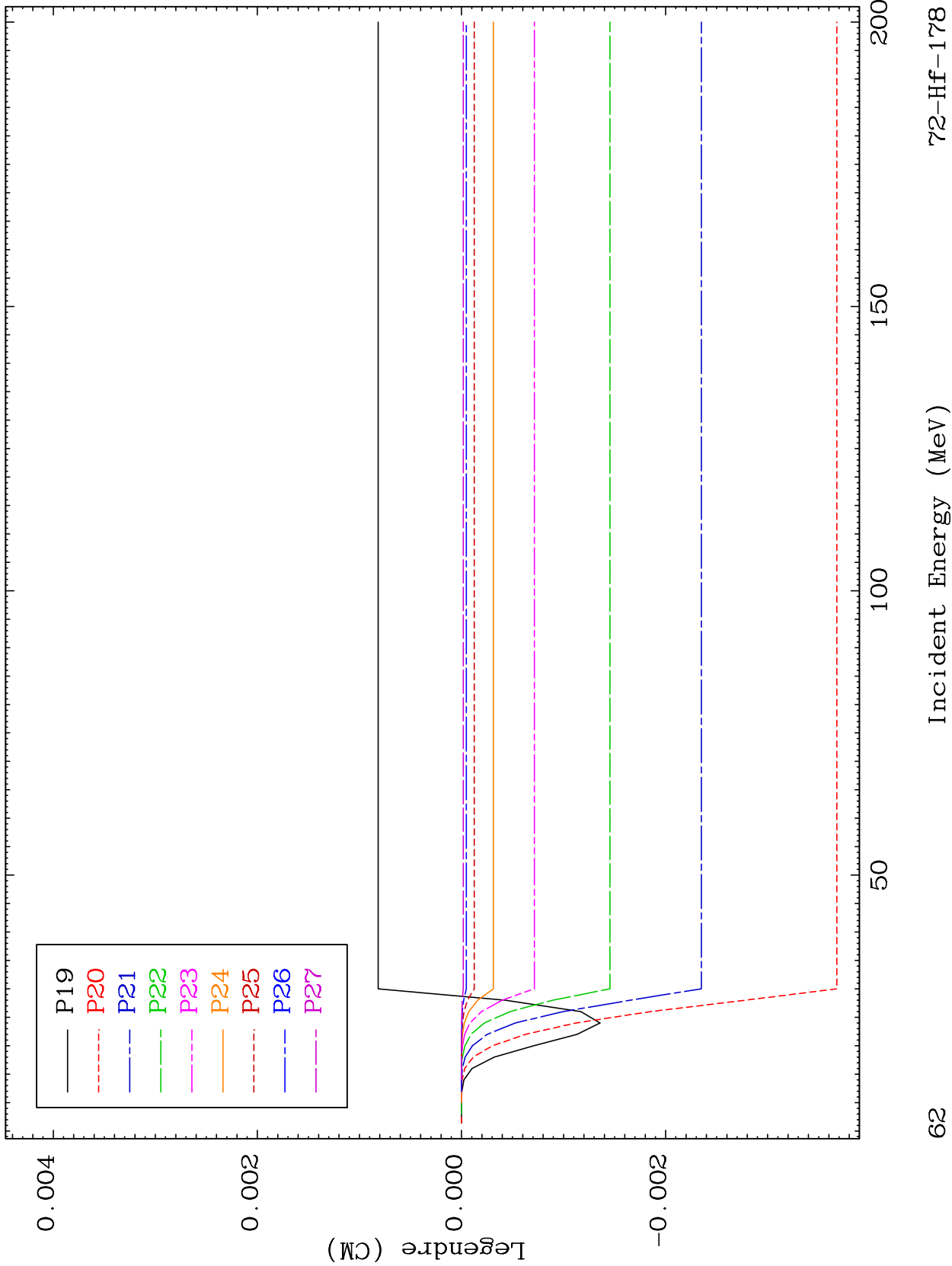
1.322 MeV (n,n') Level
Legendre Coefficients

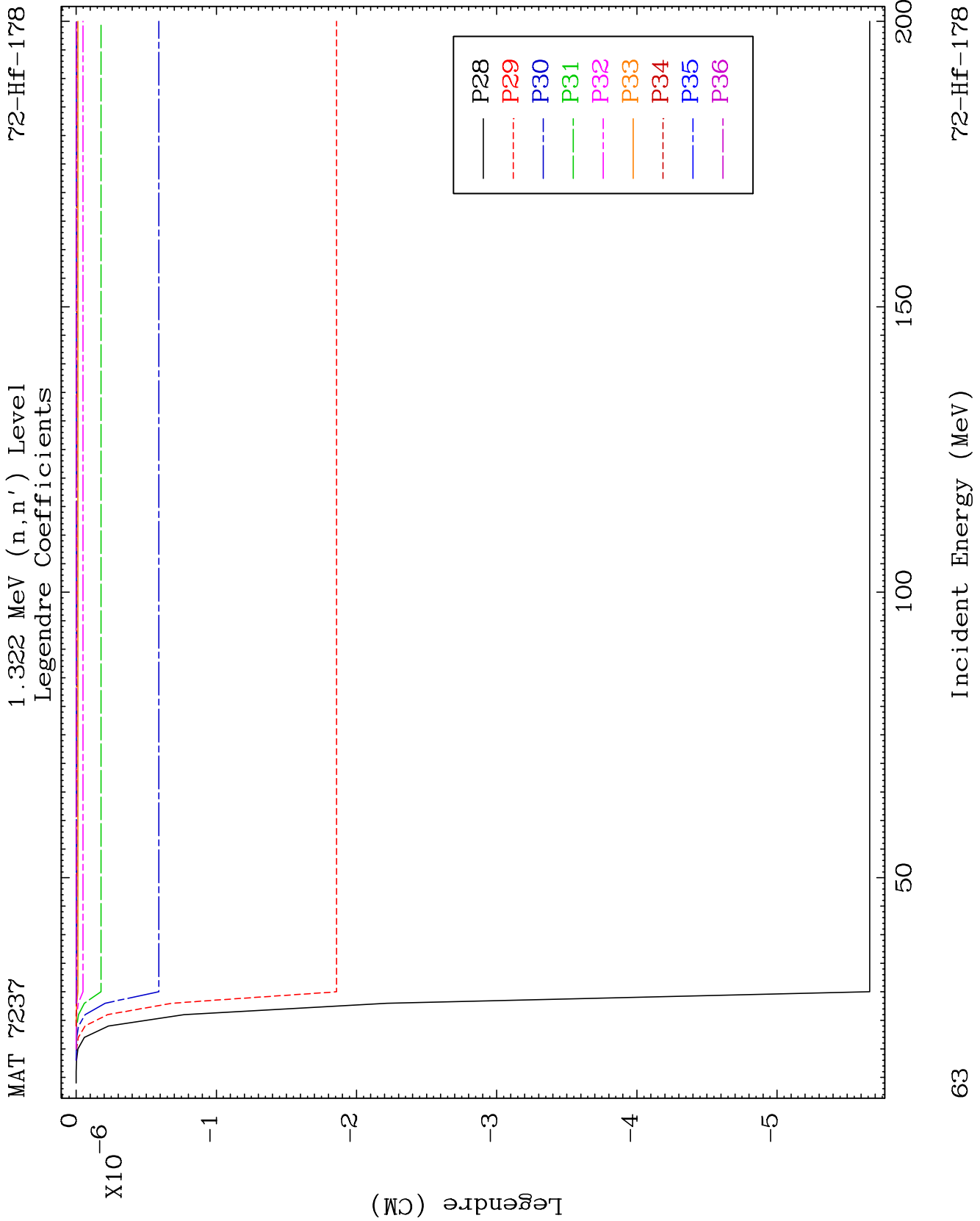
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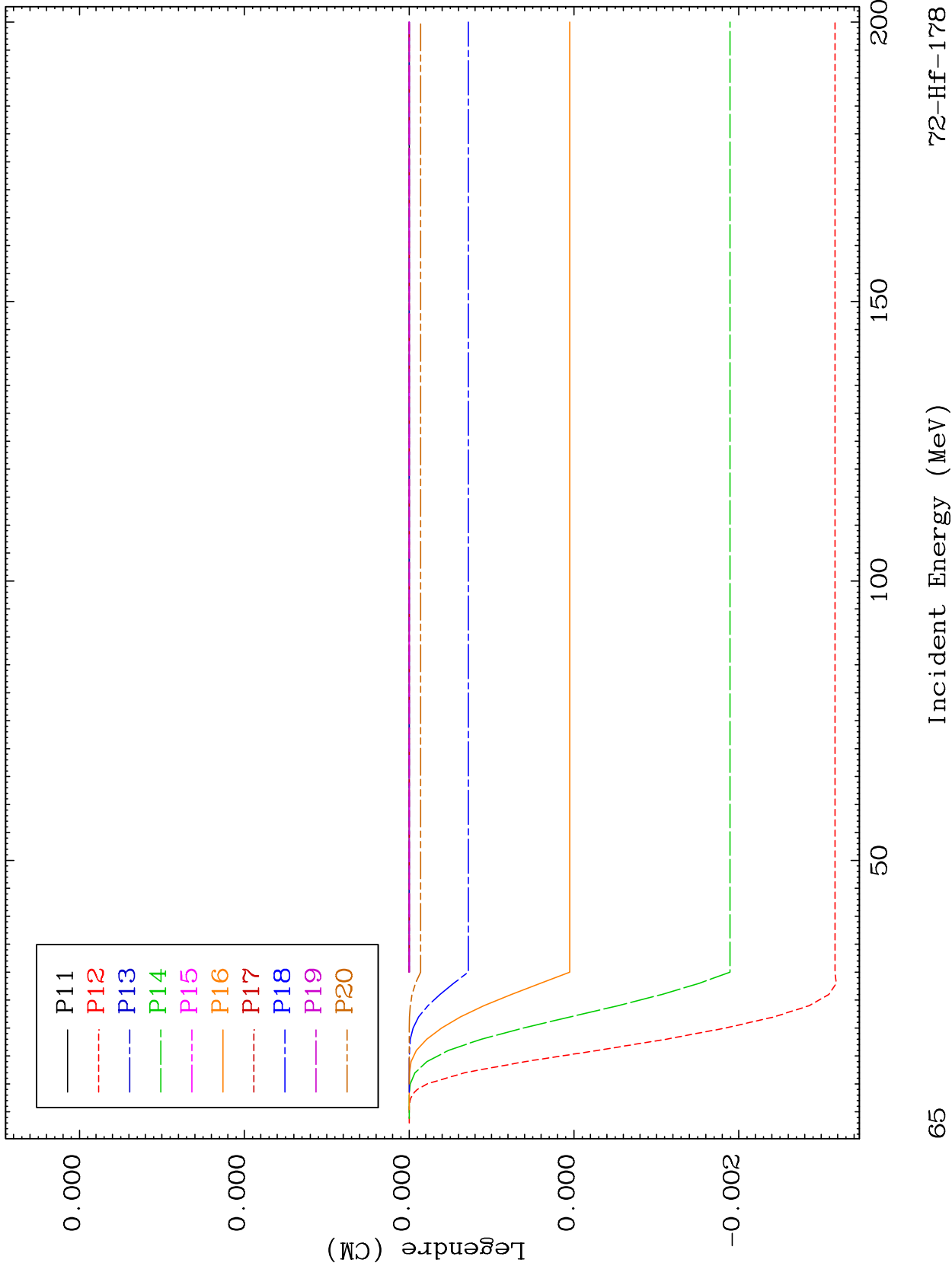


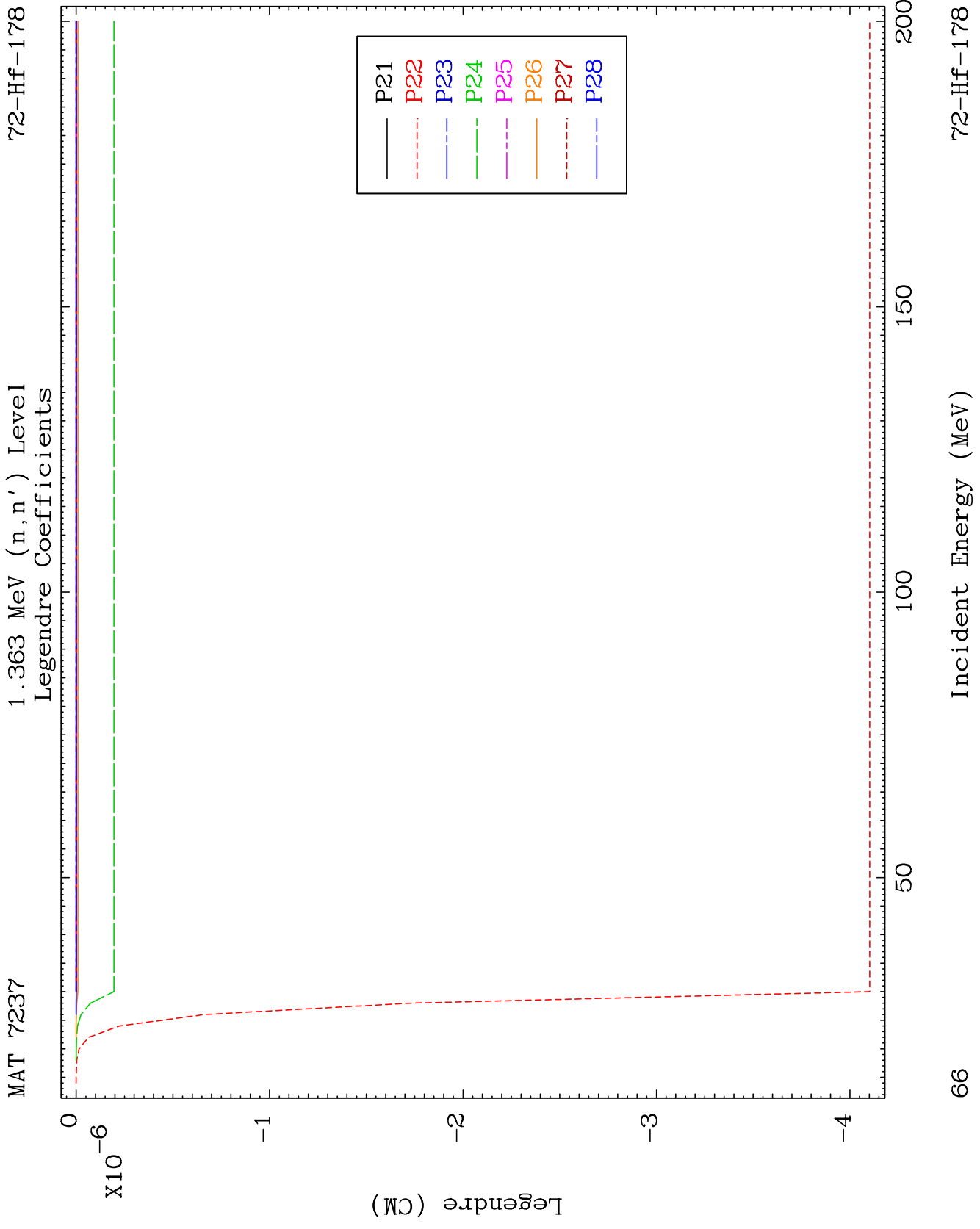
72-Hf-178







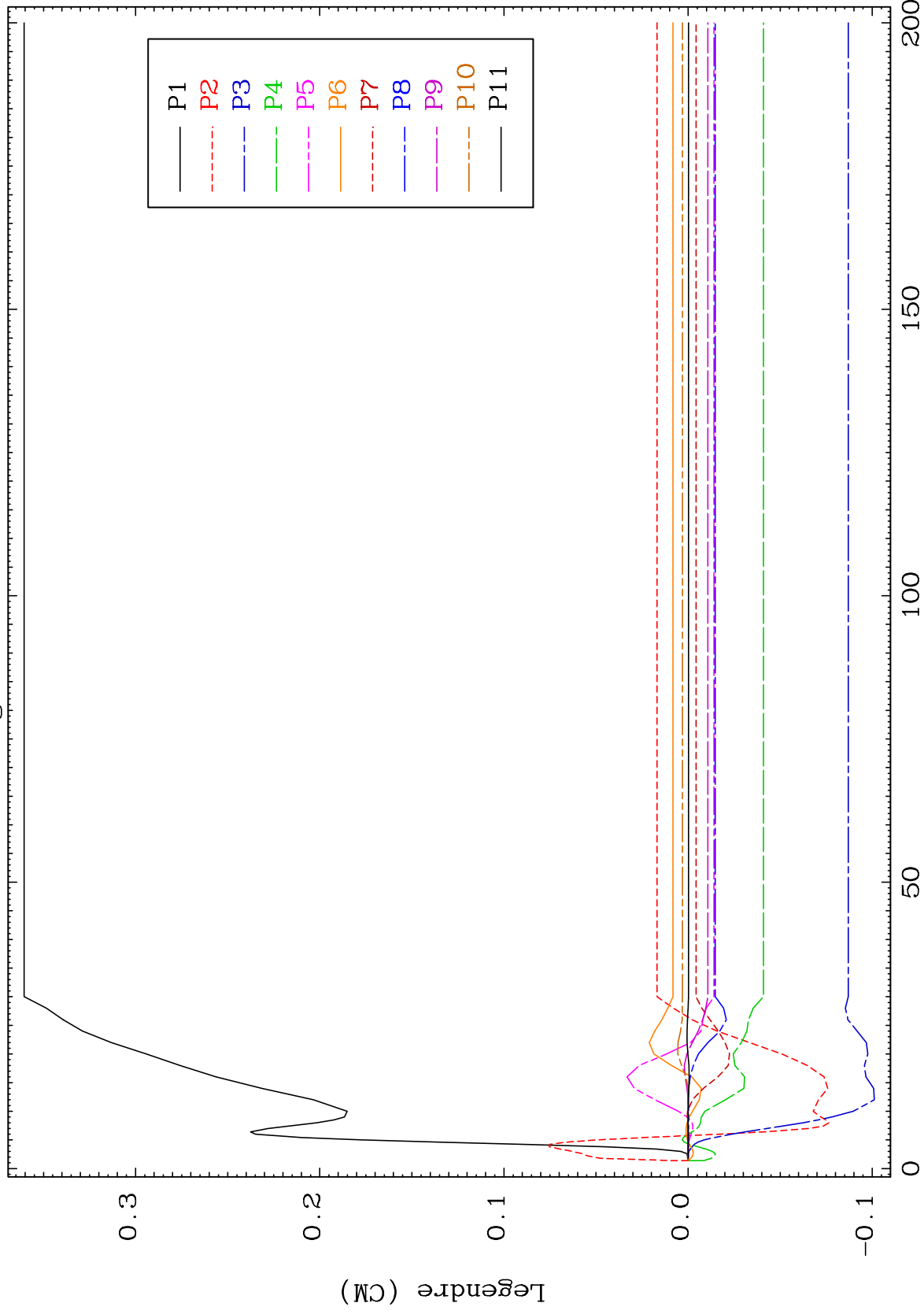




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1.364 MeV (n,n') Level
Legendre Coefficients

72-Hf-178



67

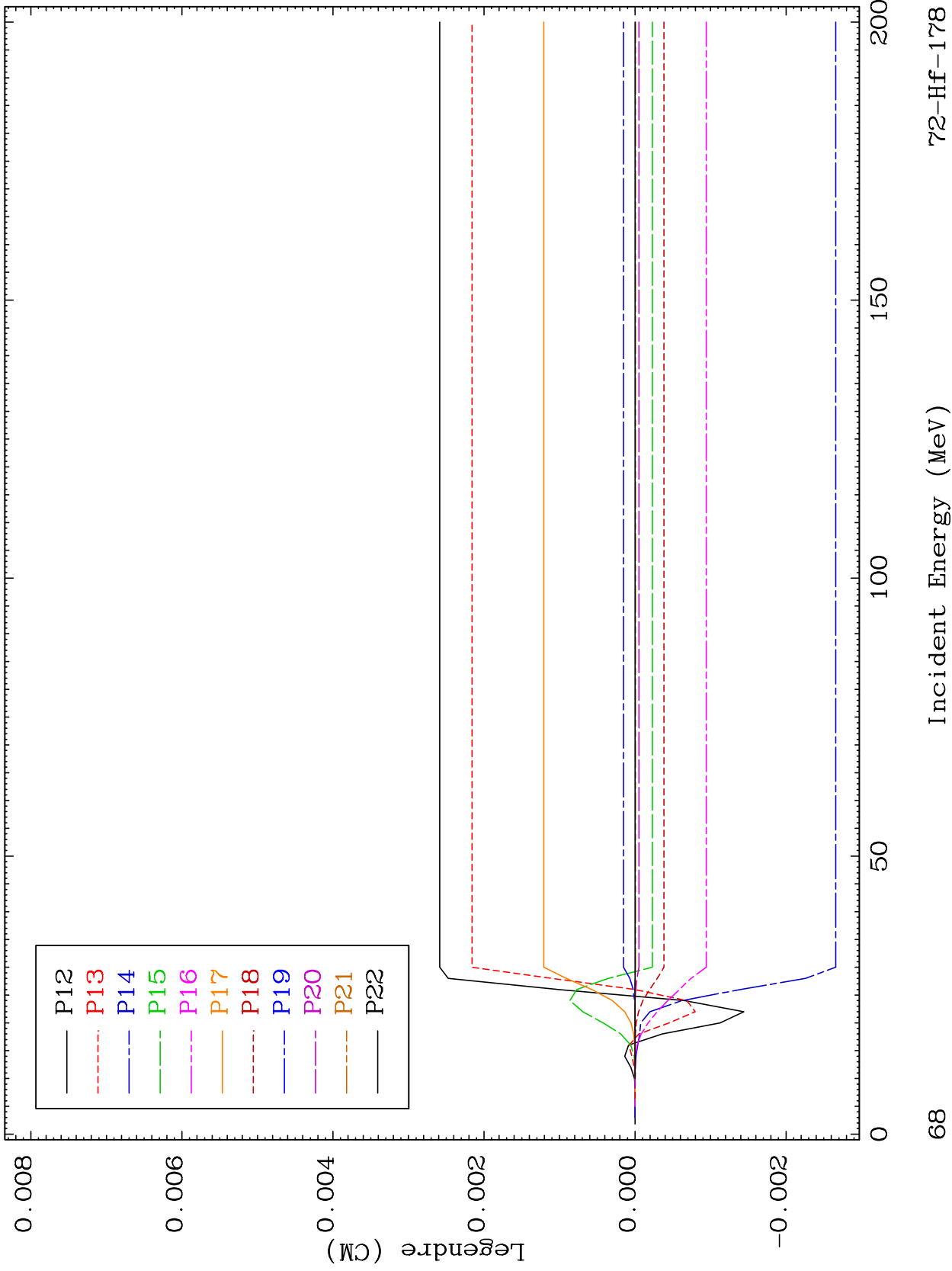
Incident Energy (MeV)

72-Hf-178

MAT 7237

1.364 MeV (n,n') Level
Legendre Coefficients

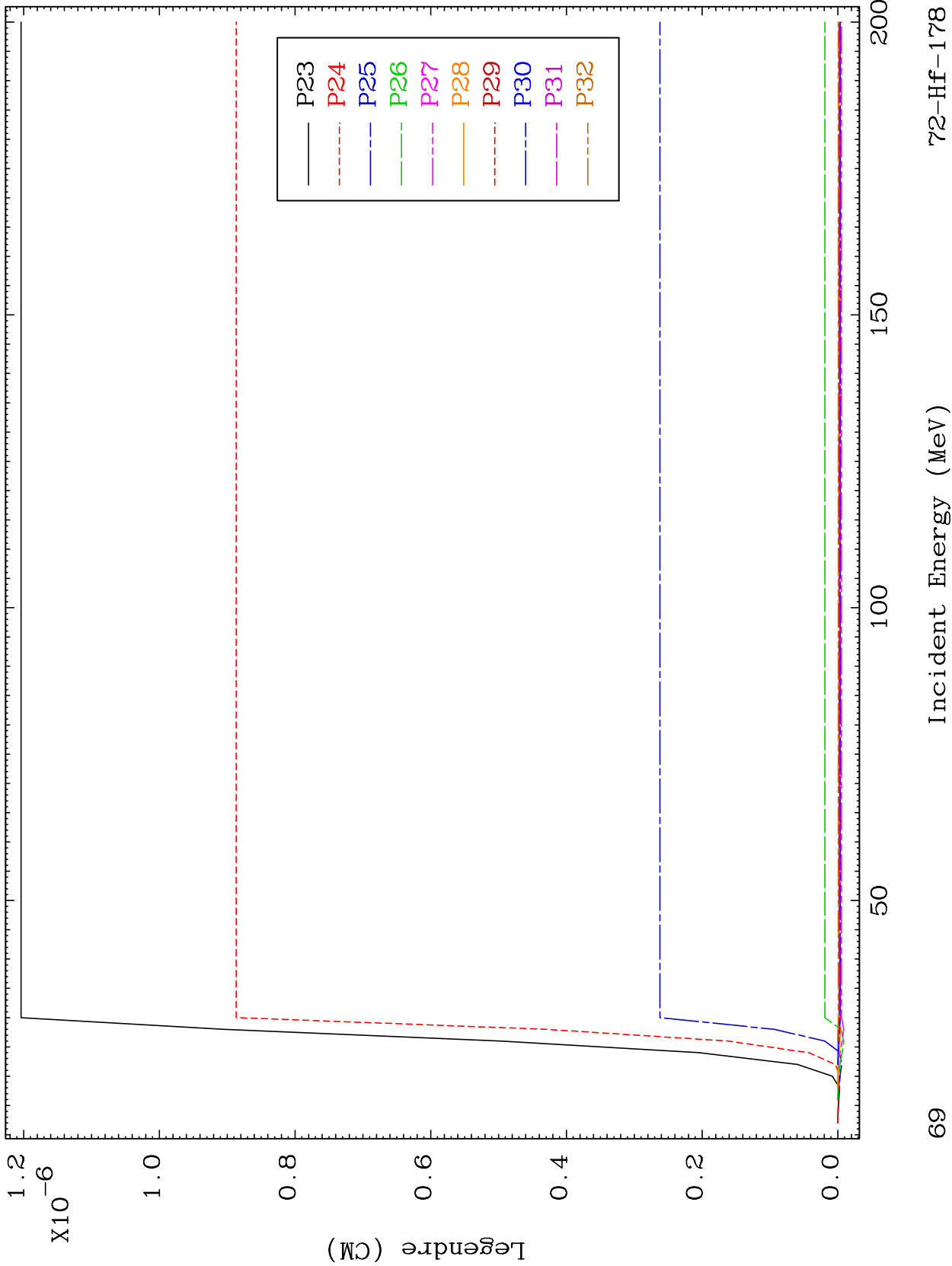
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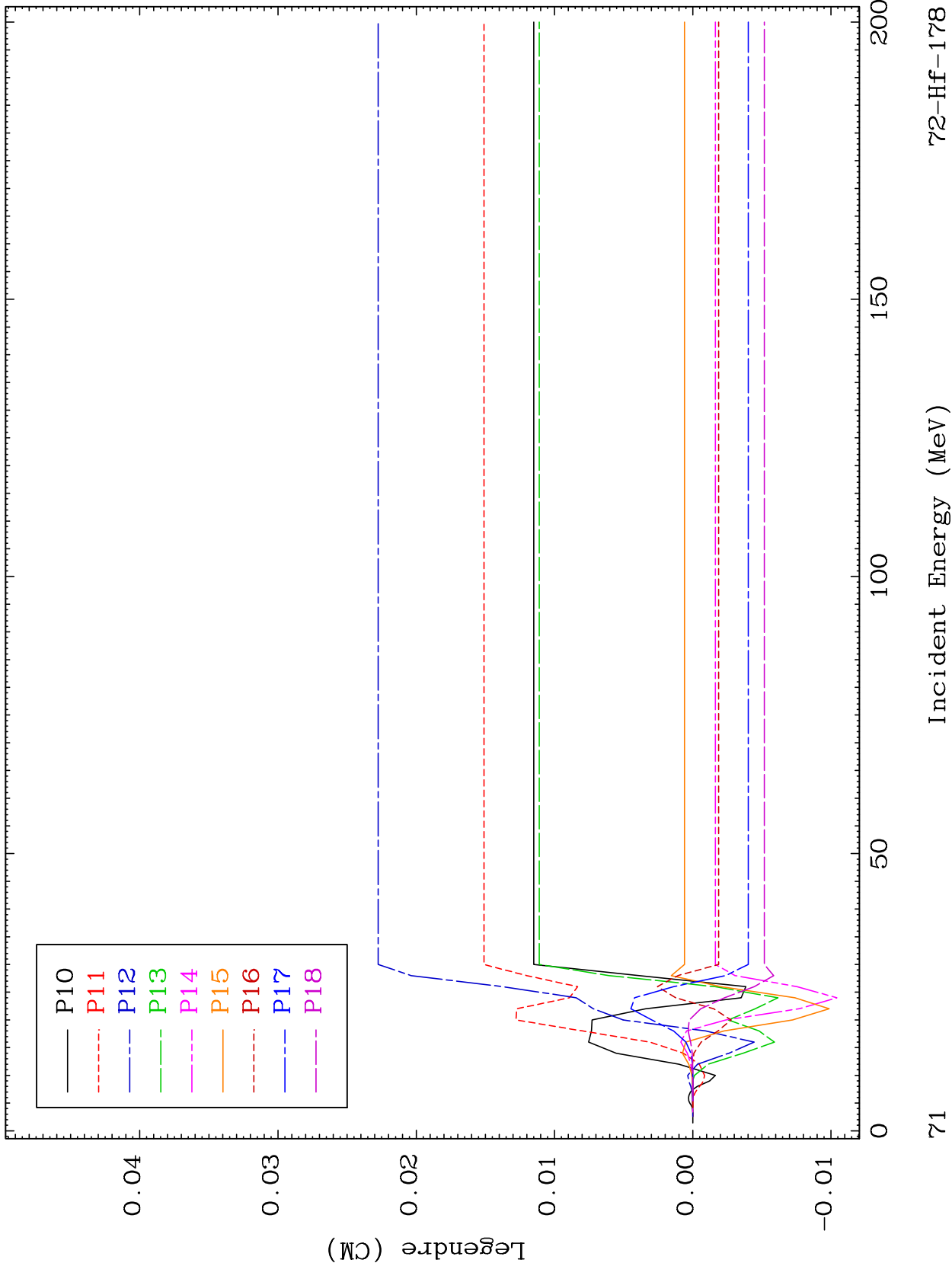


68

Incident Energy (MeV)

72-Hf-178

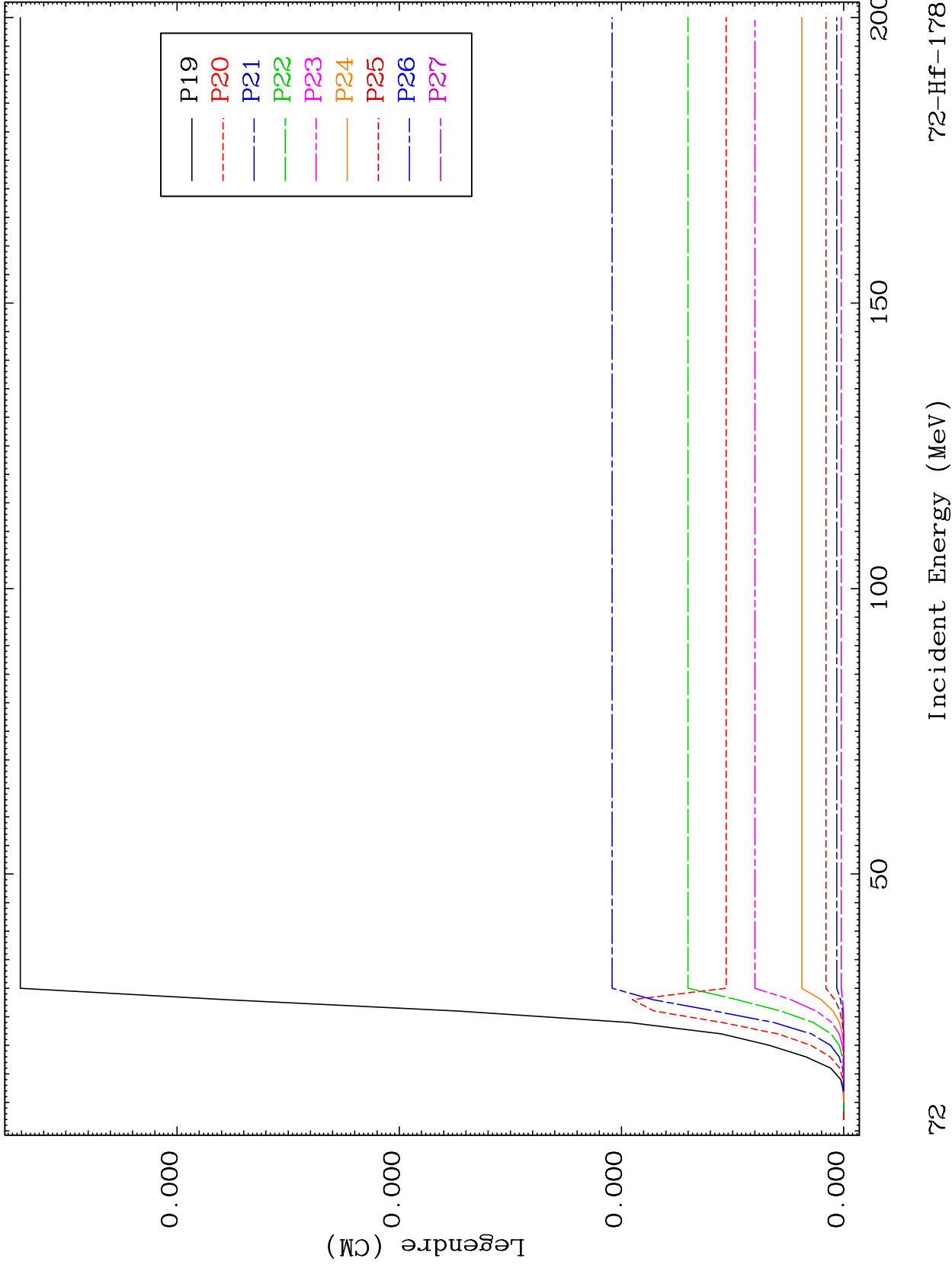




MAT 7237

1.384 MeV (n,n') Level
Legendre Coefficients

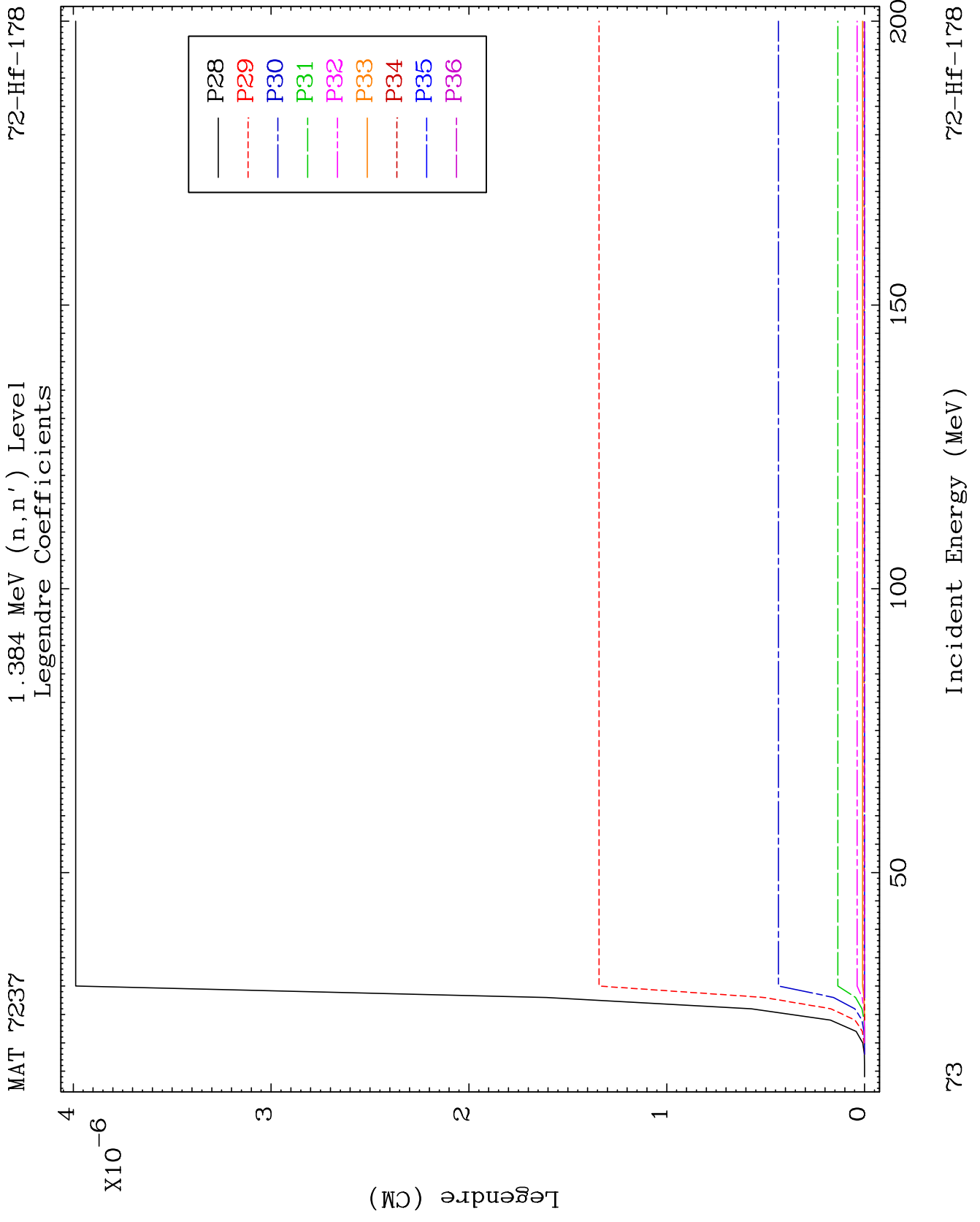
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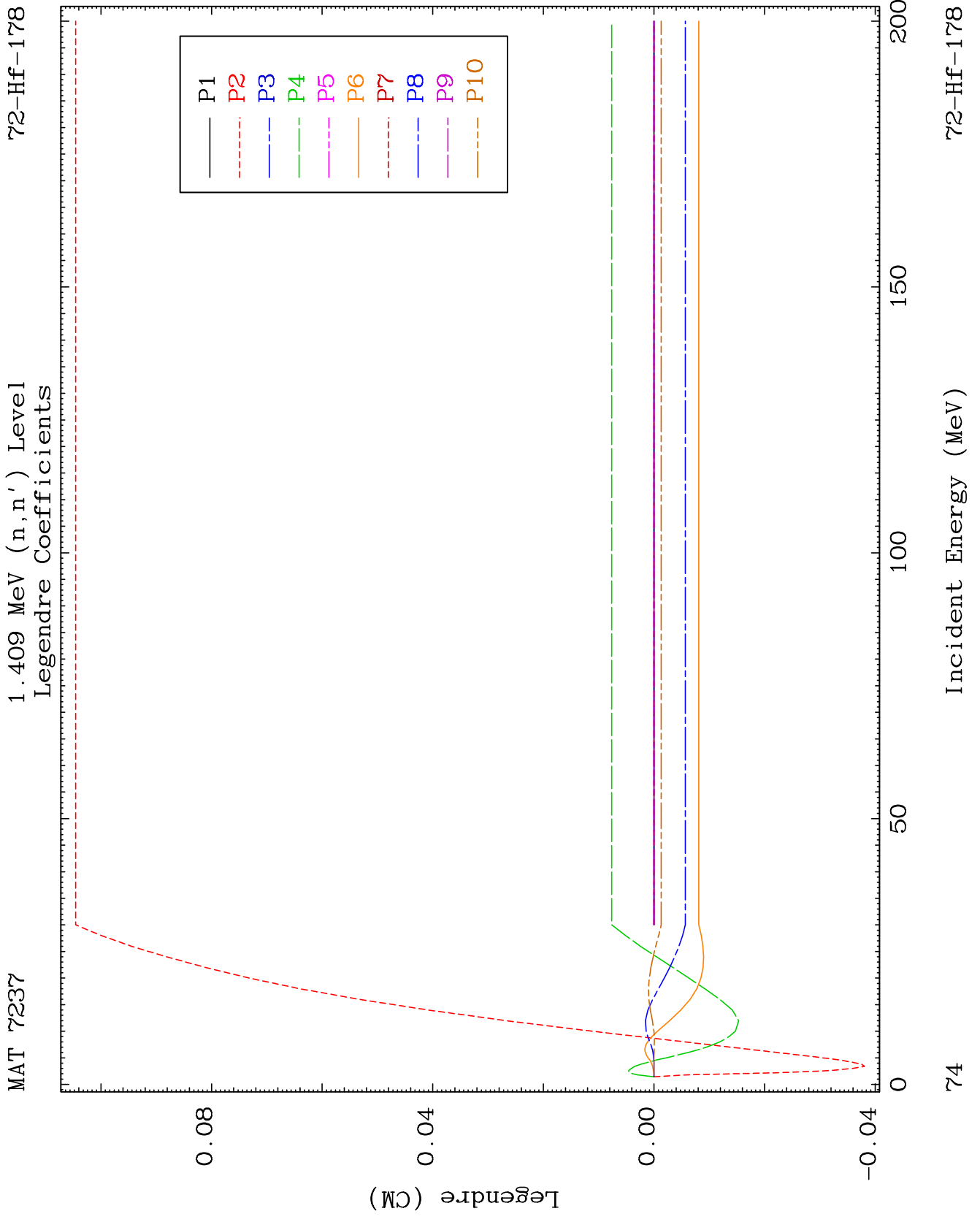


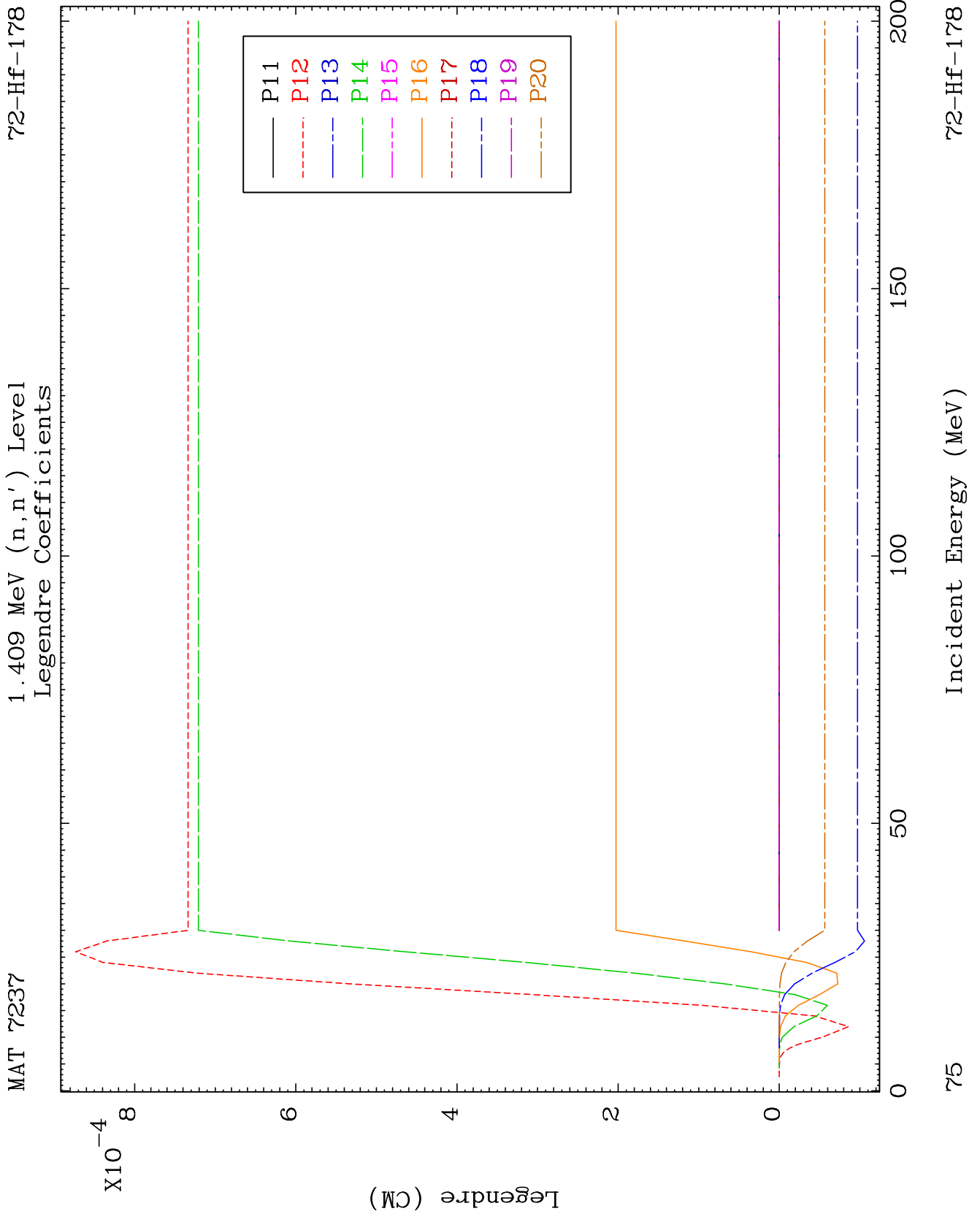
72

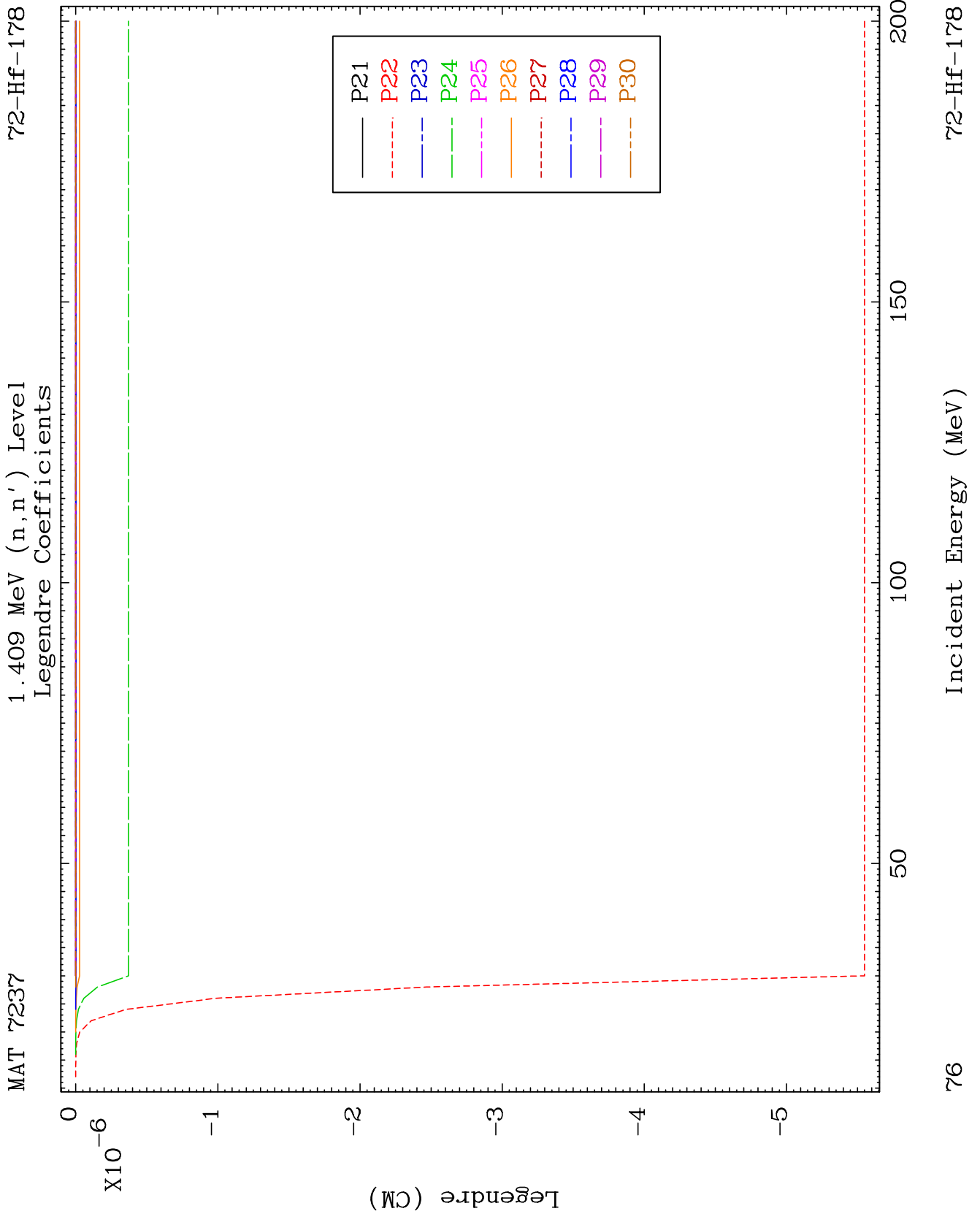
Incident Energy (MeV)

72-Hf-178





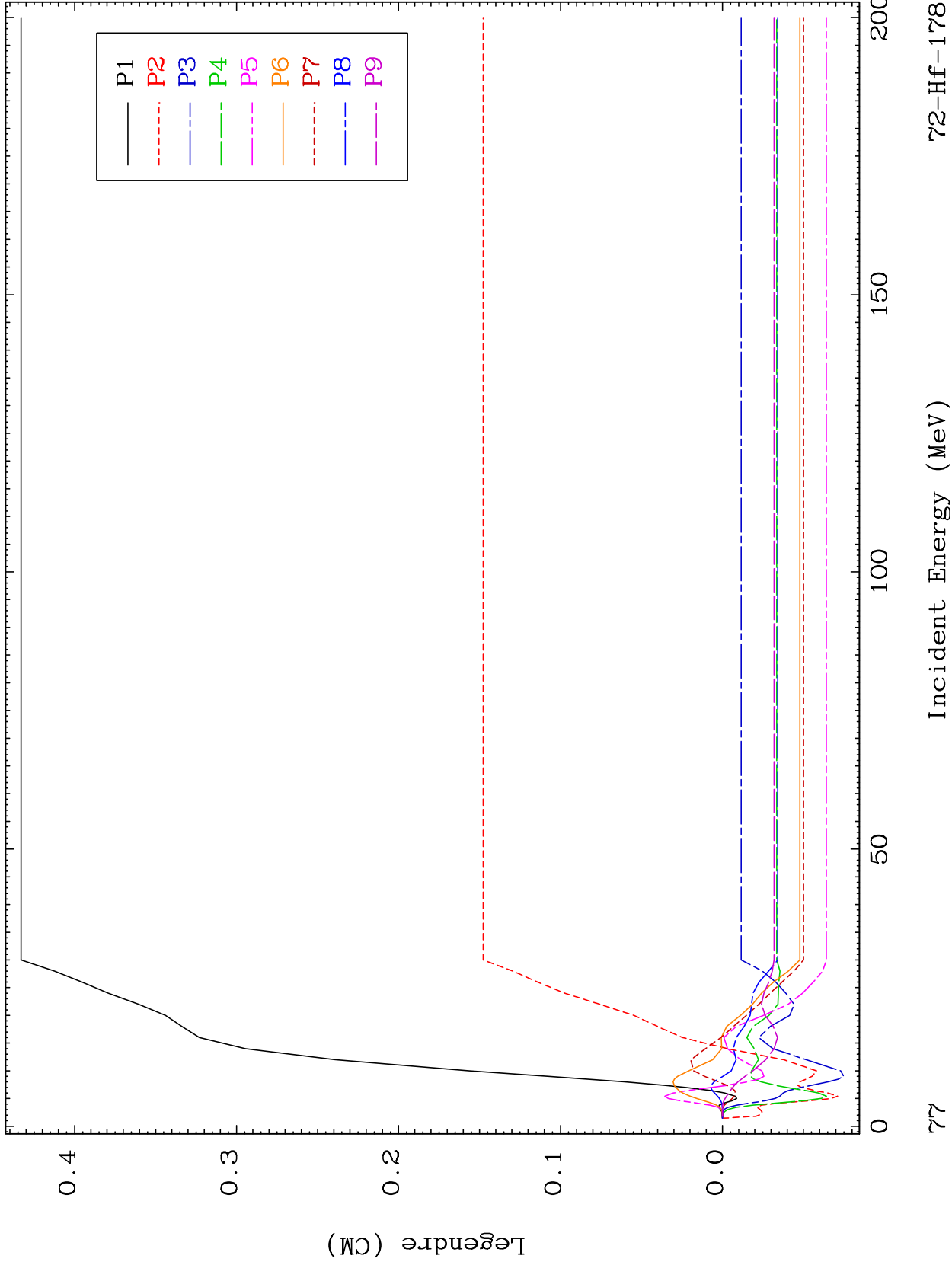




MAT 7237

1.434 MeV (n,n') Level
Legendre Coefficients

72-Hf-178



72-Hf-178

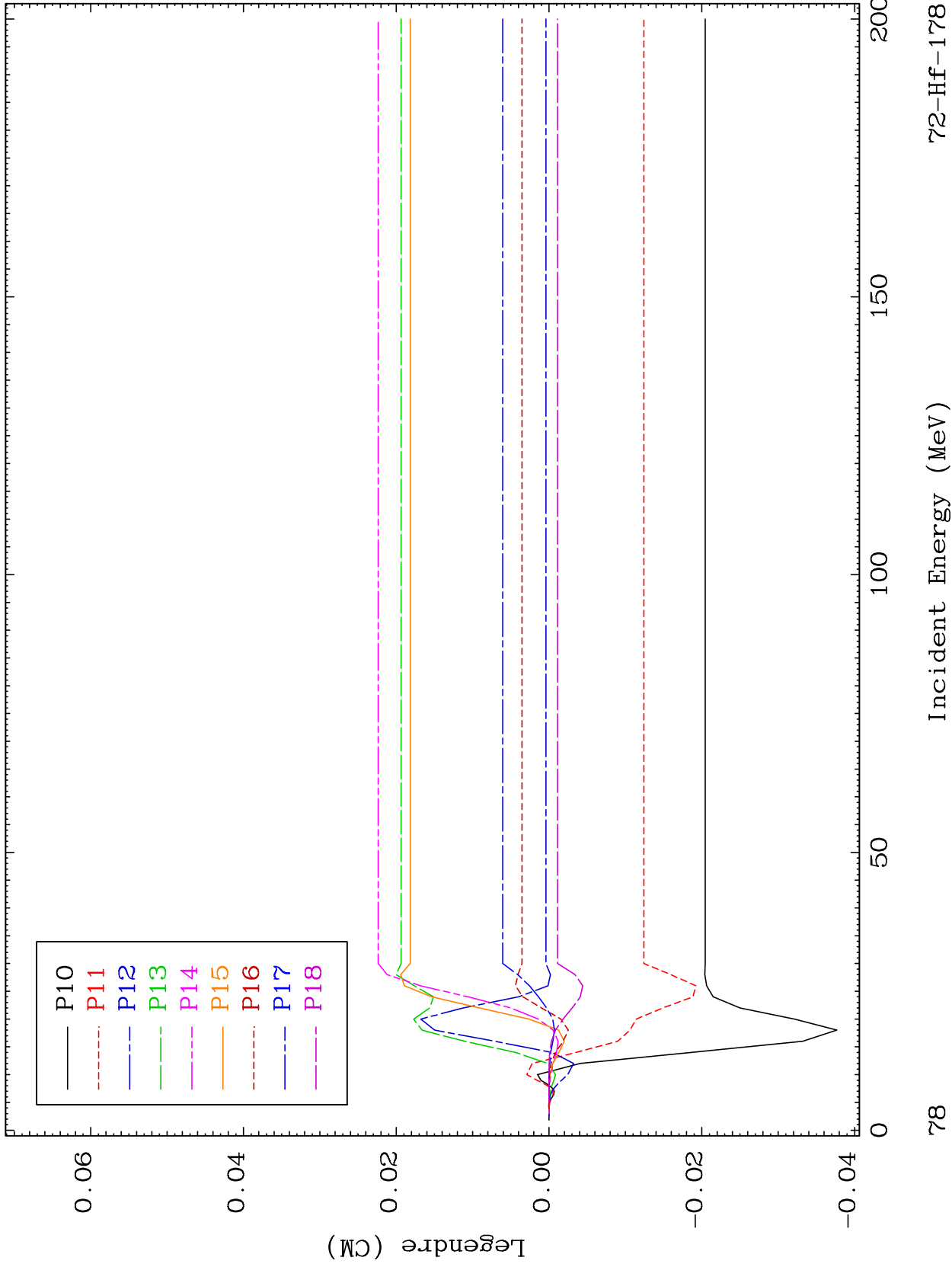
Incident Energy (MeV)

77

MAT 7237

1.434 MeV (n,n') Level
Legendre Coefficients

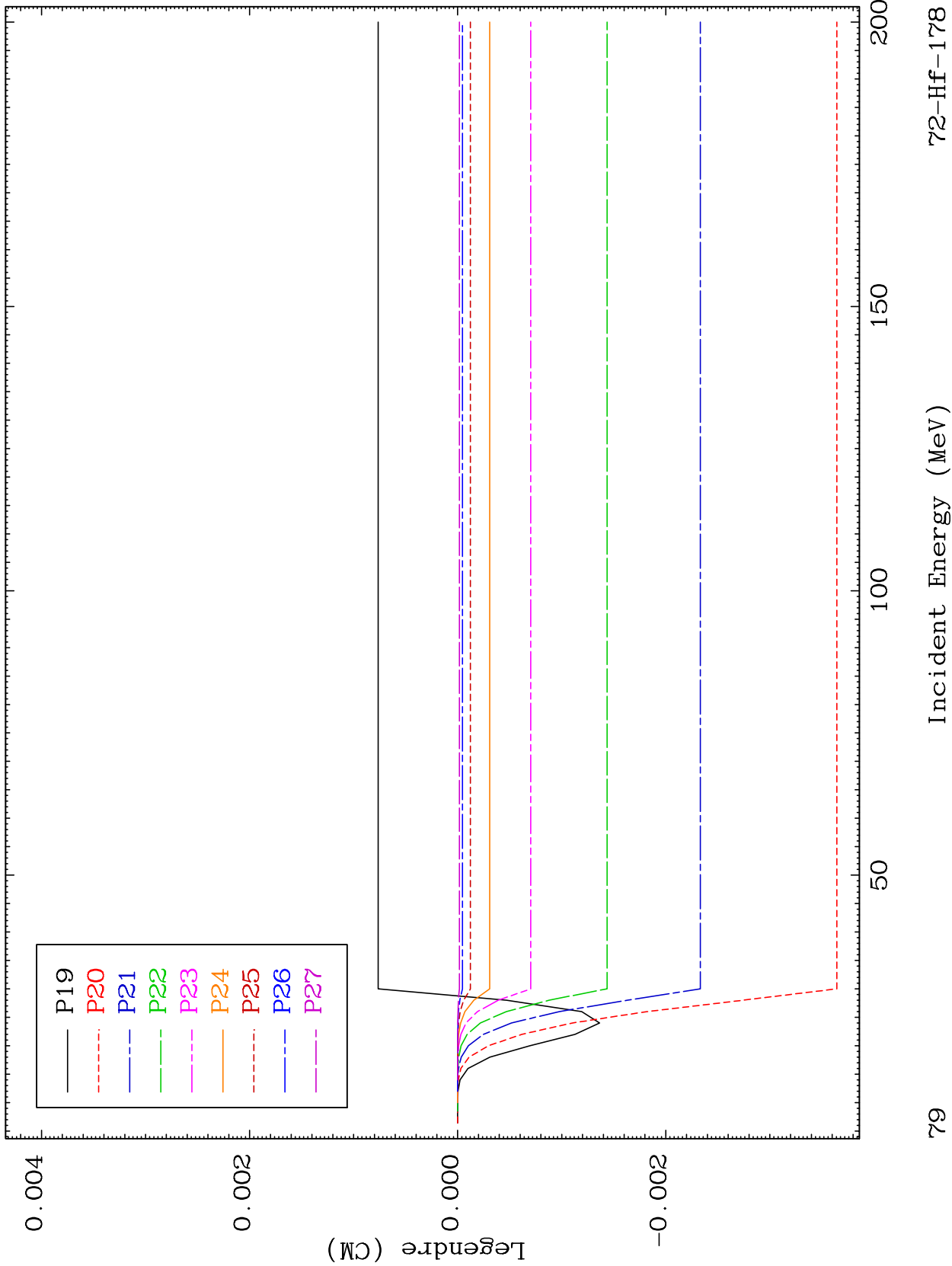
72-Hf-178

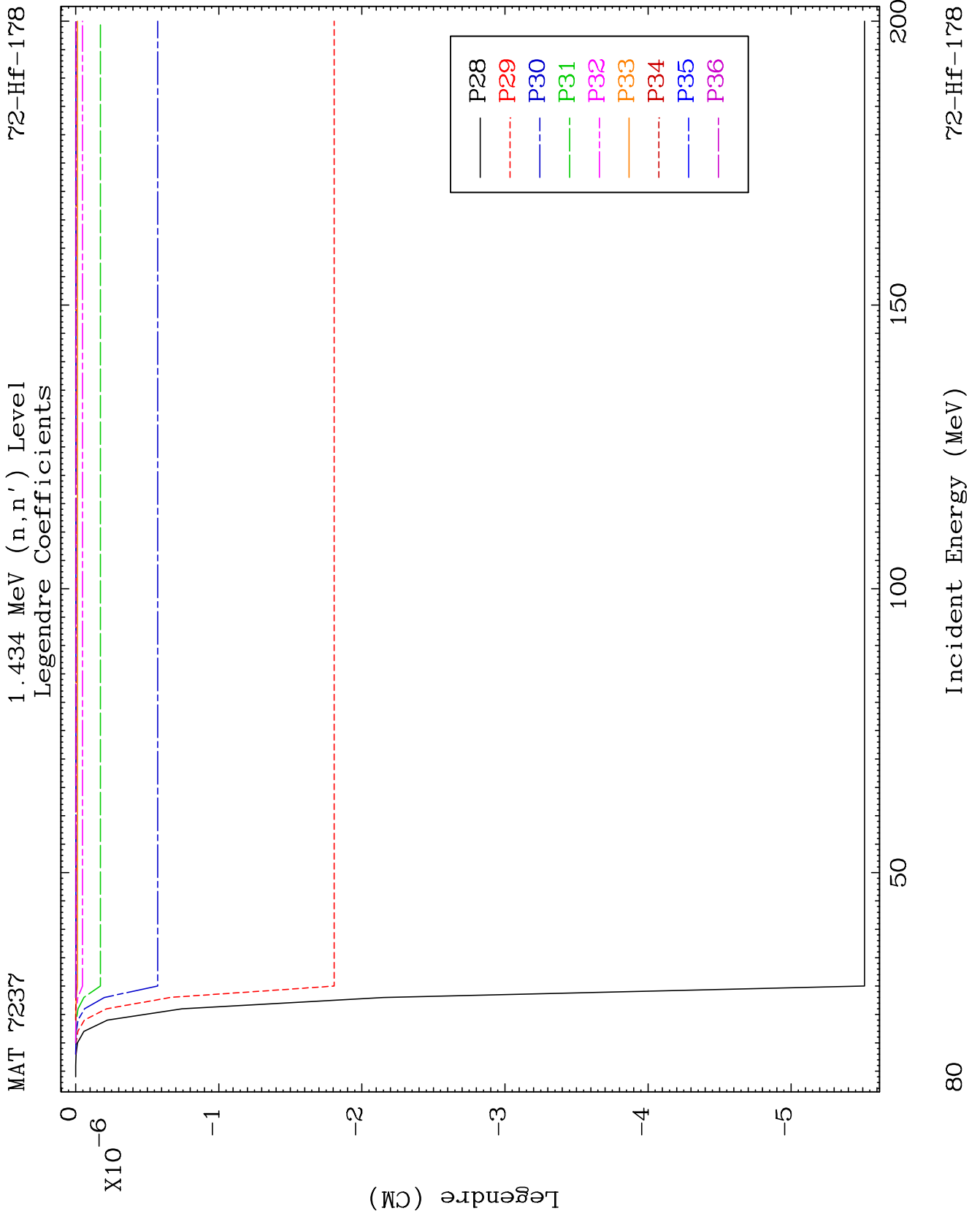


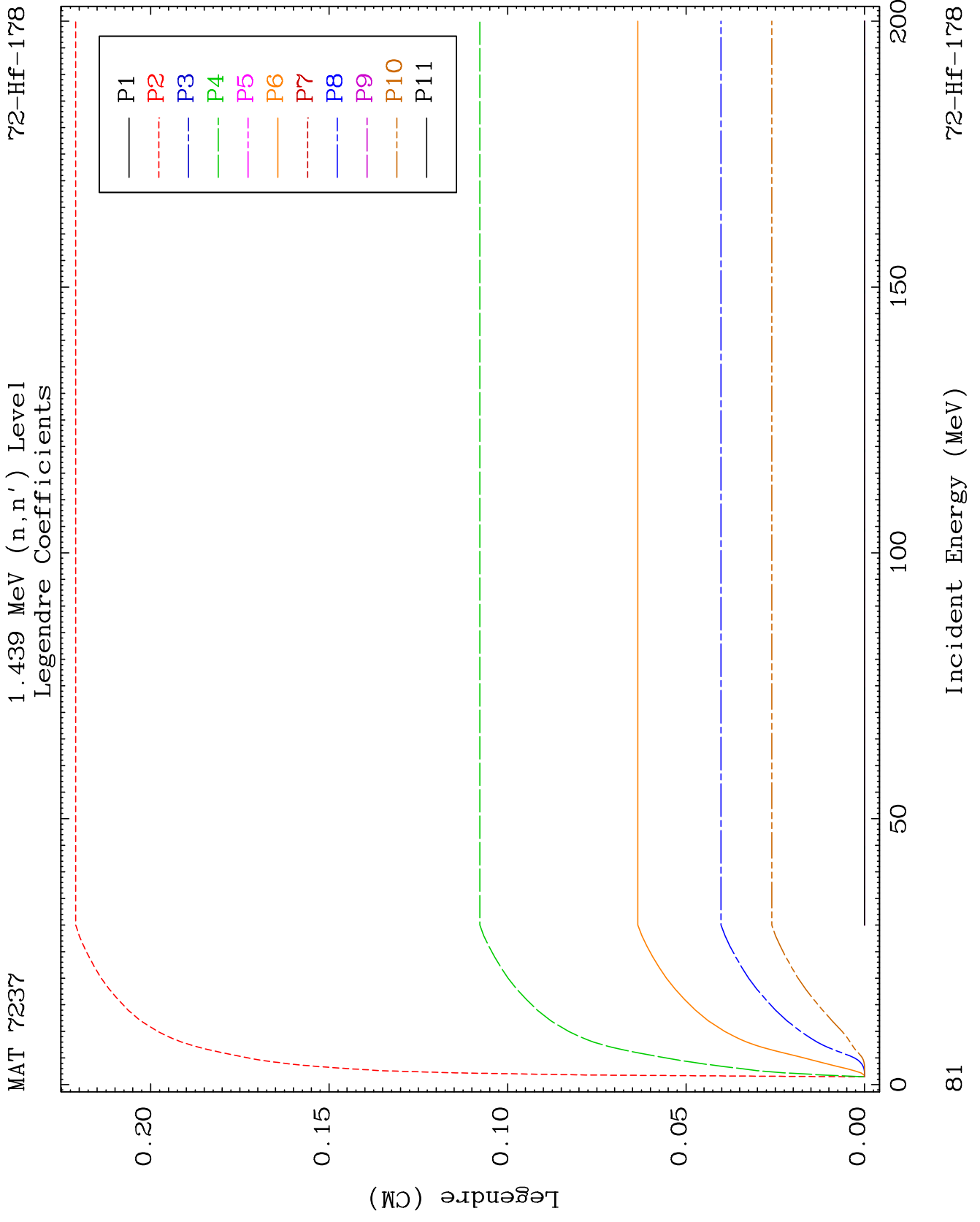
78

Incident Energy (MeV)

72-Hf-178



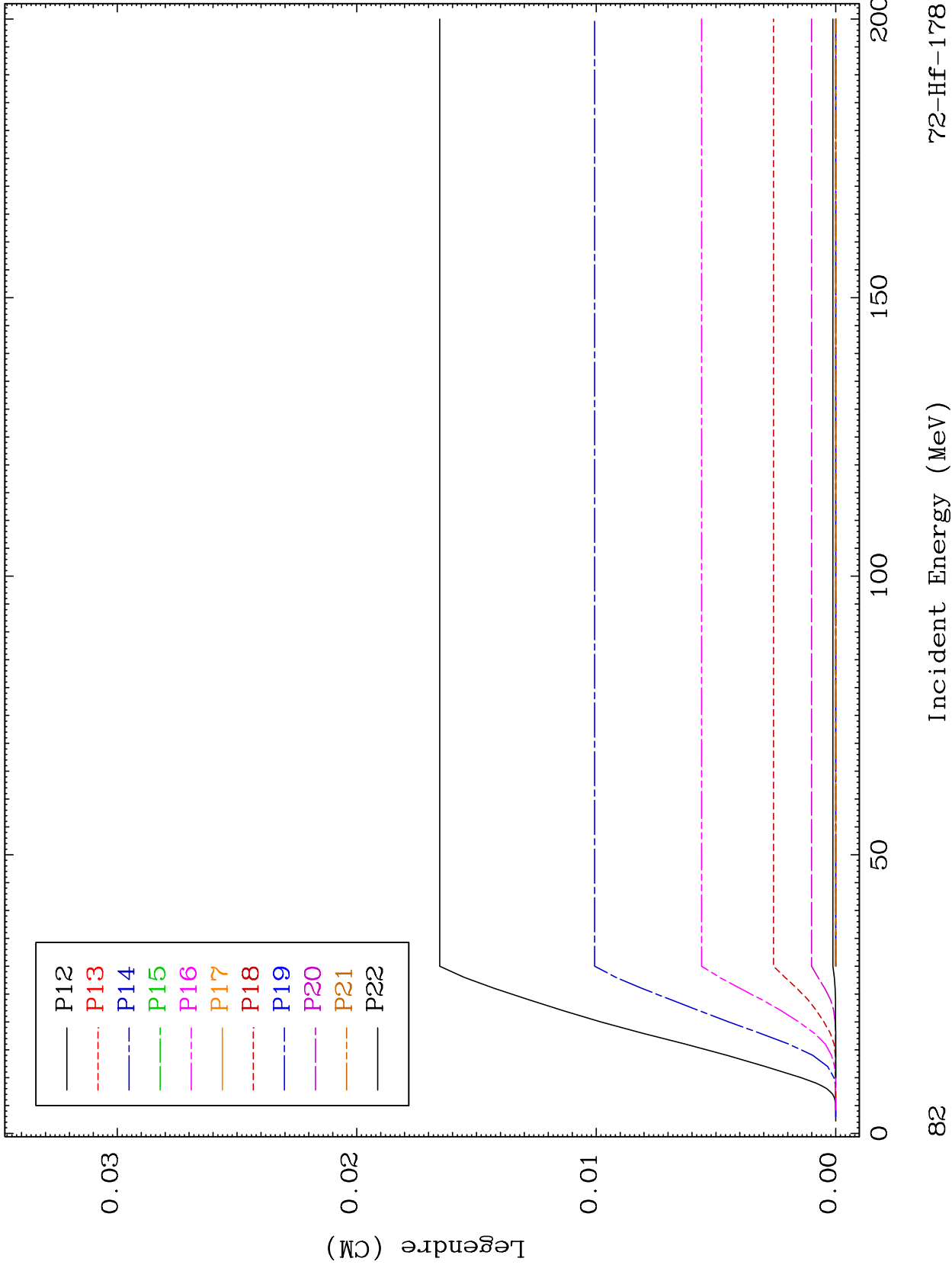




MAT 7237

1.439 MeV (n,n') Level
Legendre Coefficients

72-Hf-178



82

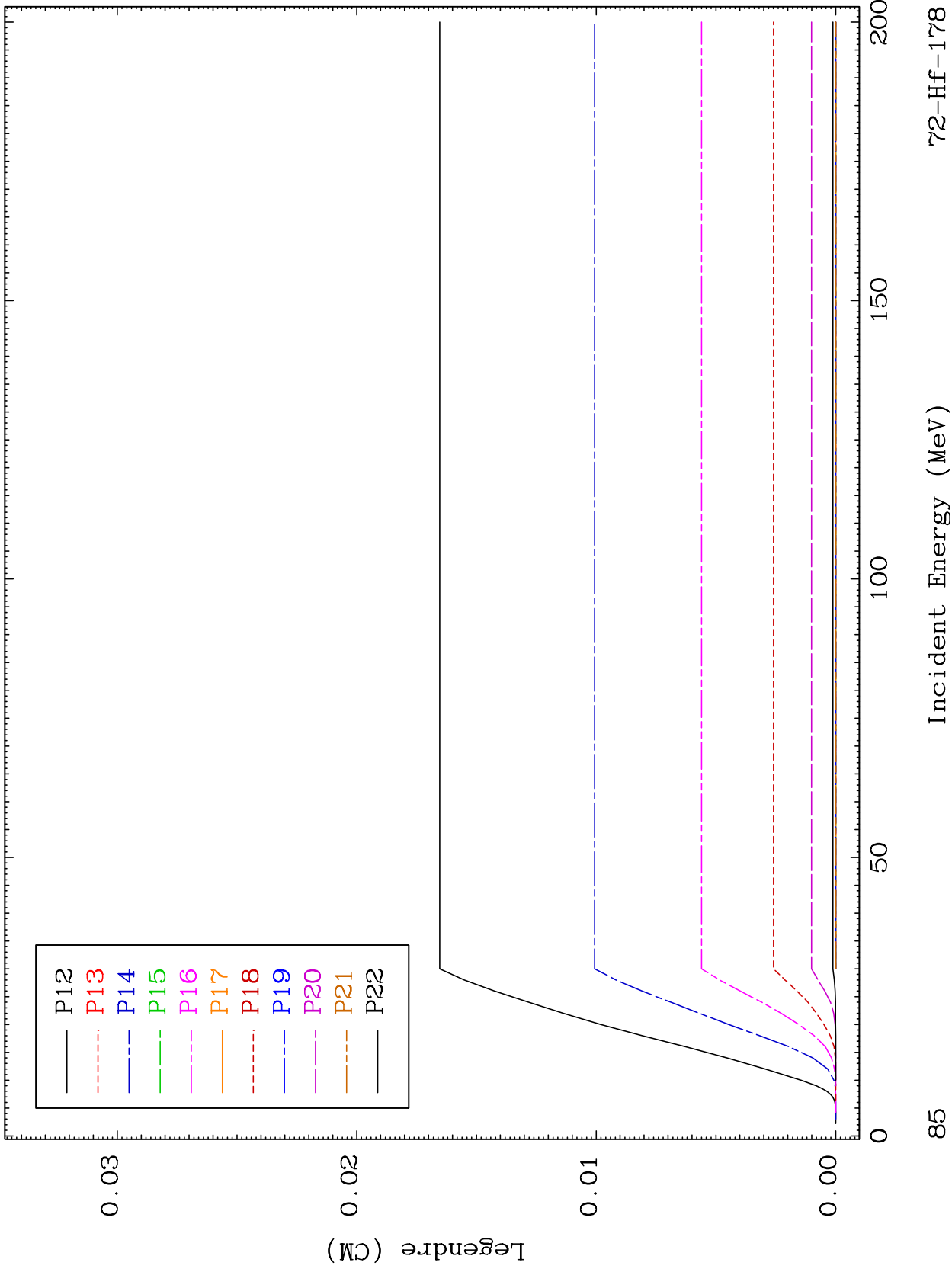
Incident Energy (MeV)

72-Hf-178

MAT 7237

1.444 MeV (n,n') Level
Legendre Coefficients

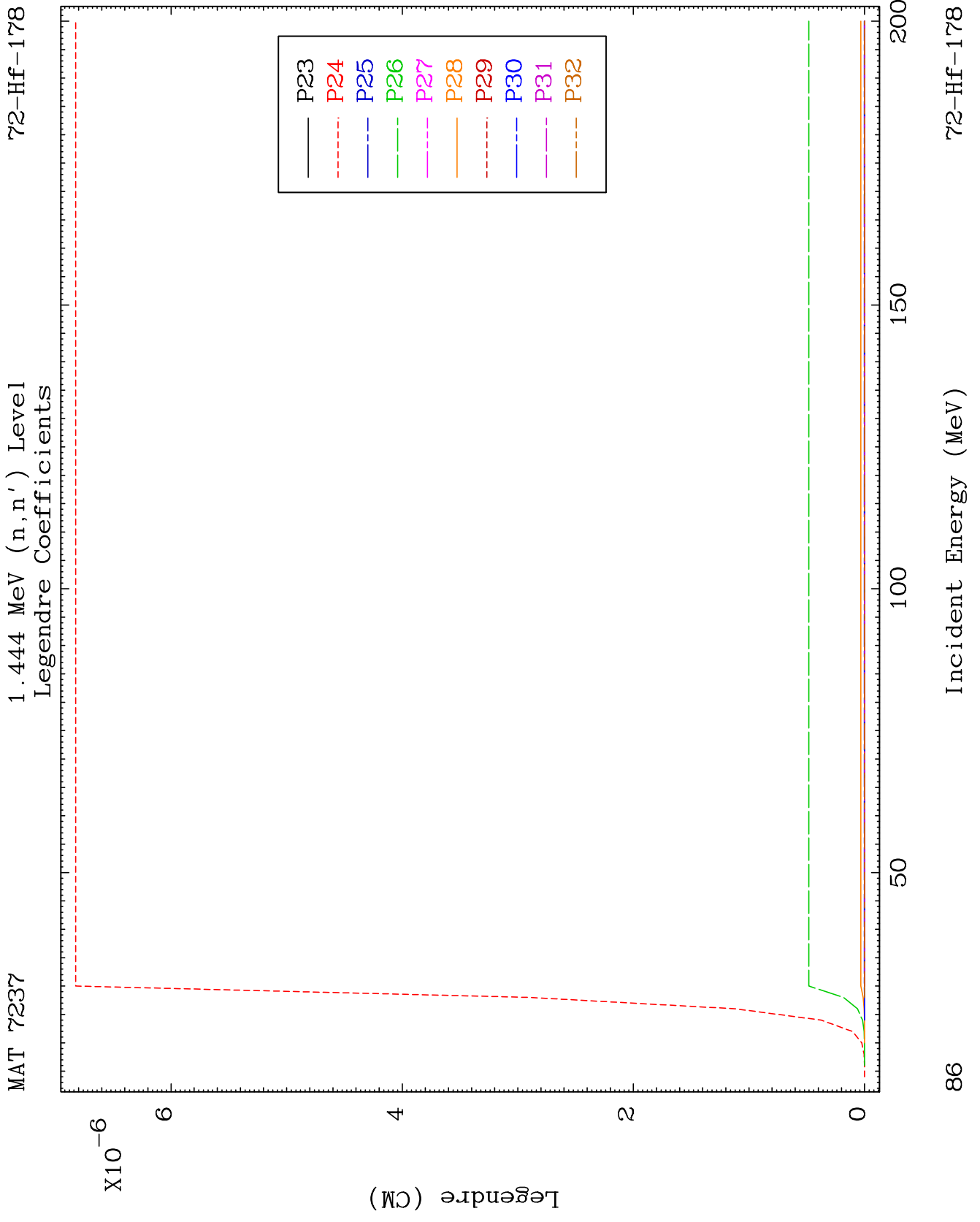
72-Hf-178

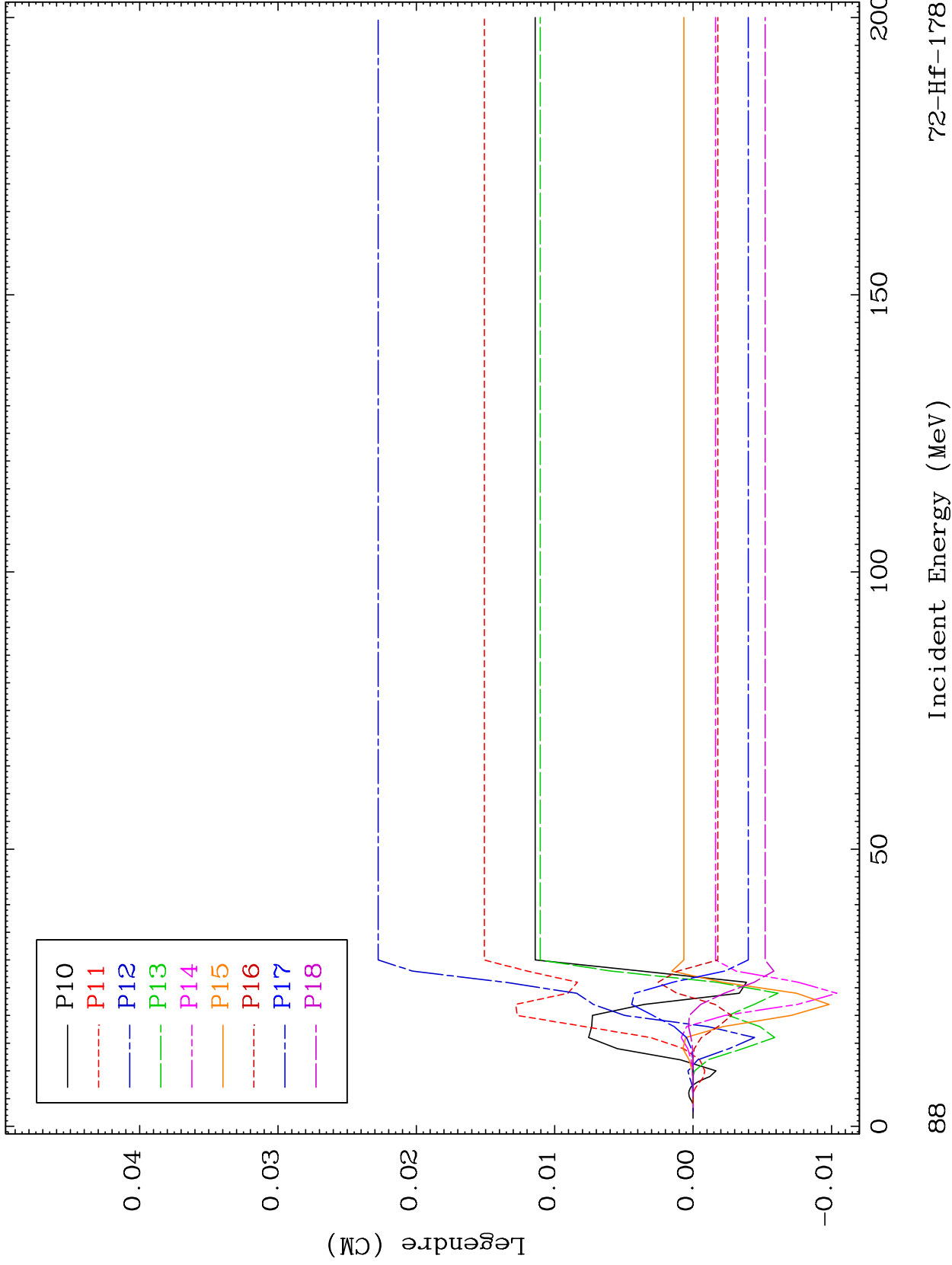


85

Incident Energy (MeV)

72-Hf-178

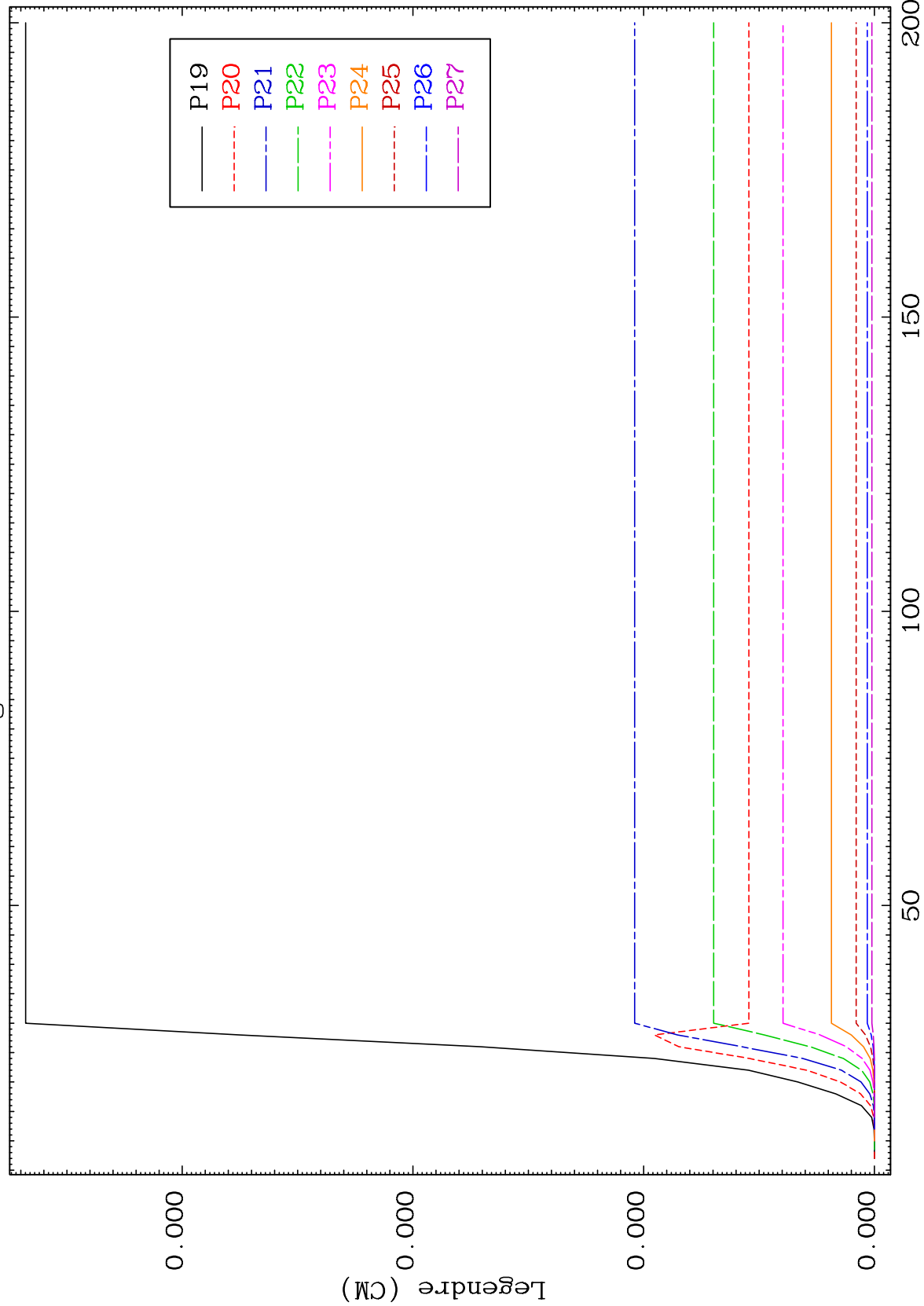




MAT 7237

1.450 MeV (n,n') Level
Legendre Coefficients

72-Hf-178



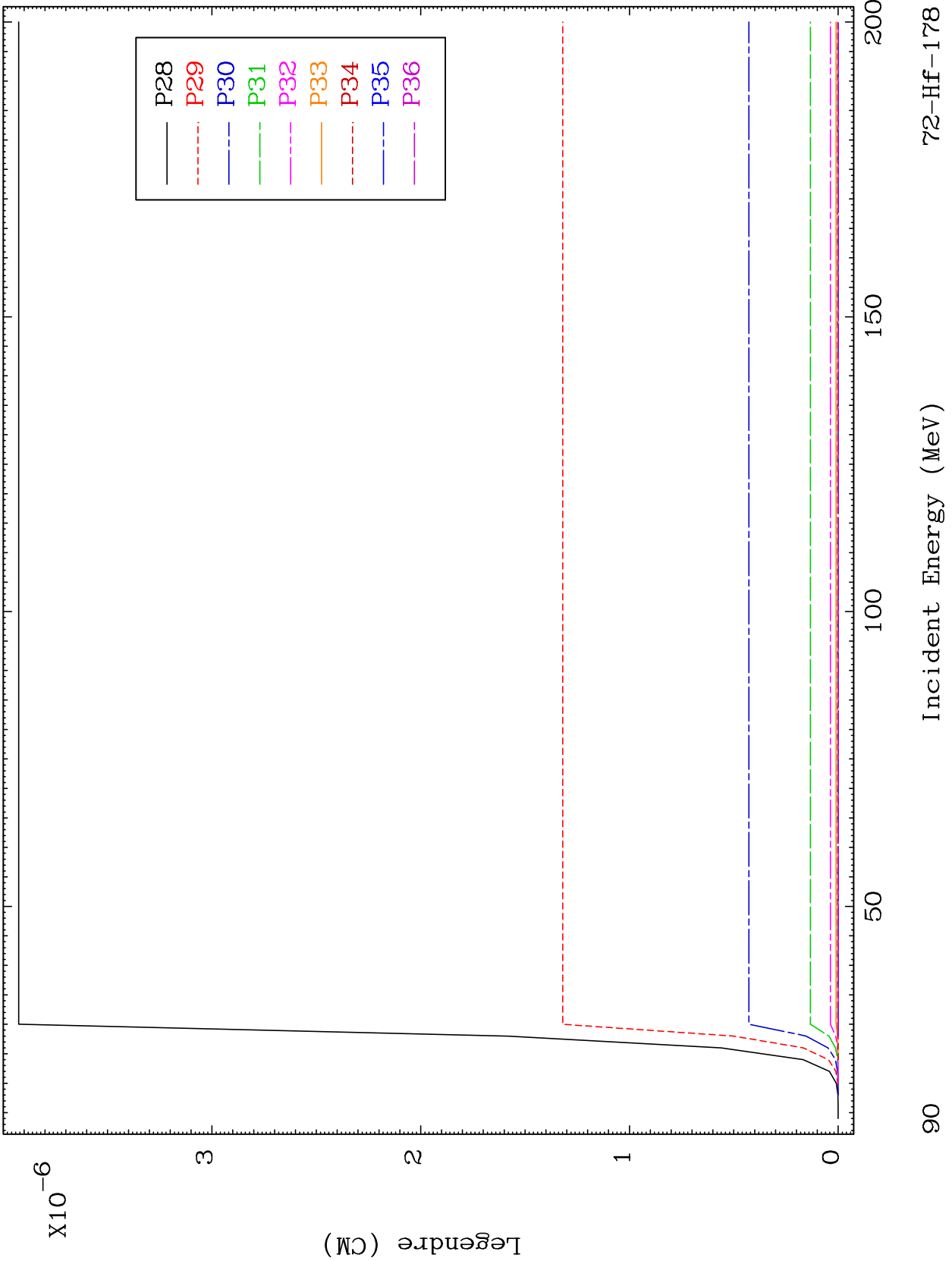
89

72-Hf-178

MAT 7237

1.450 MeV (n, n') Level
Legendre Coefficients

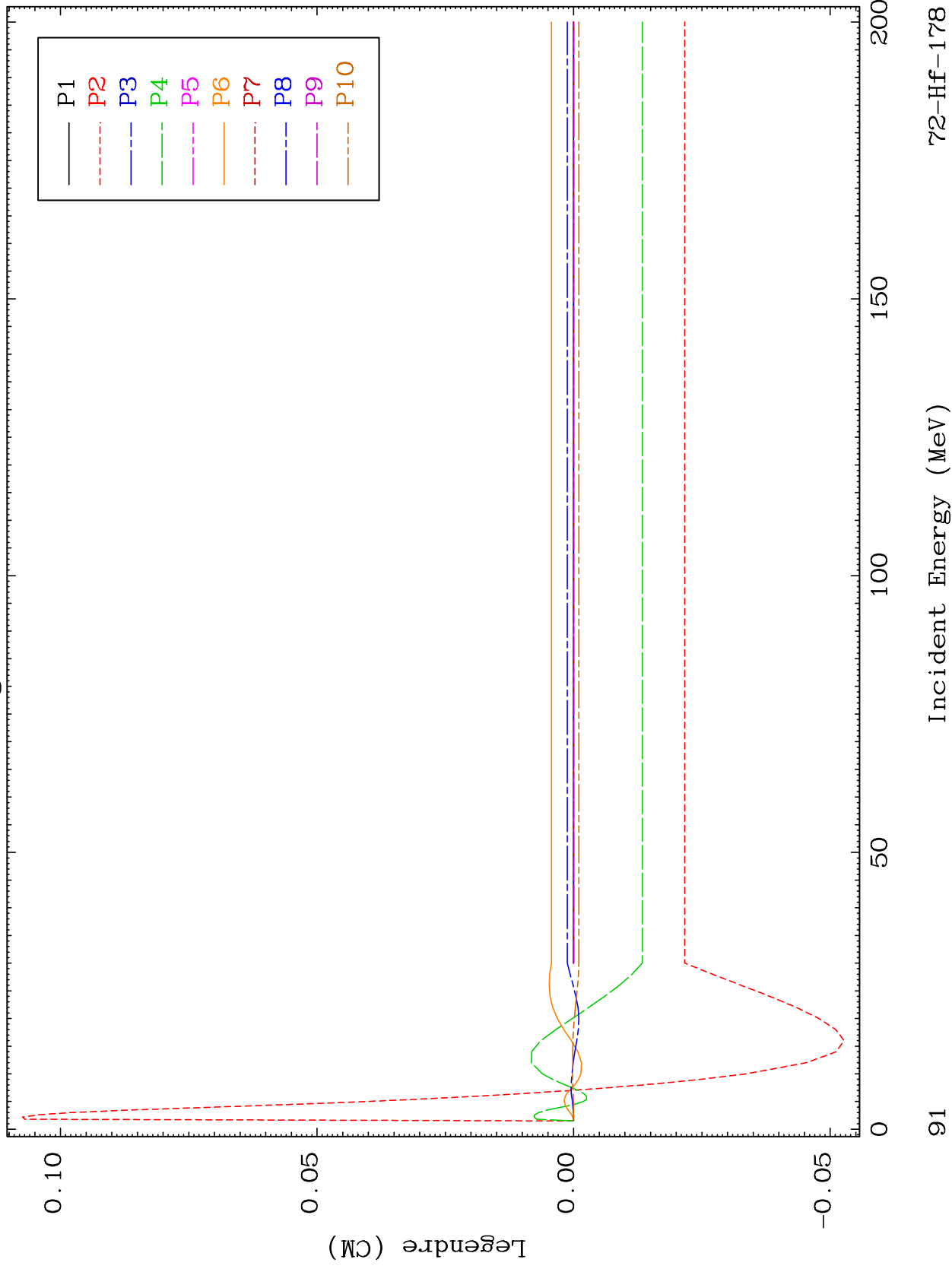
72-Hf-178



MAT 7237

1.479 MeV (n,n') Level
Legendre Coefficients

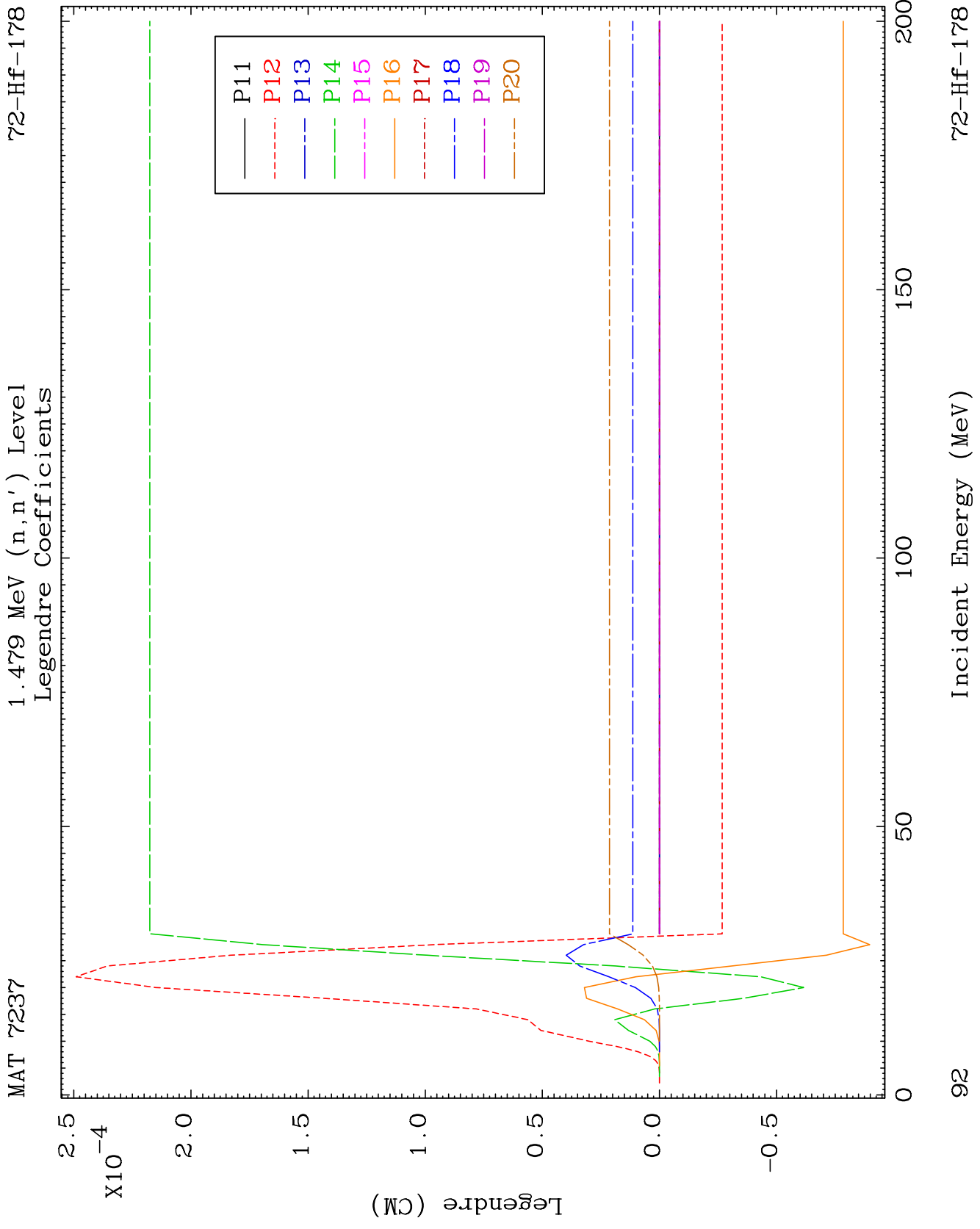
72-Hf-178



91

Incident Energy (MeV)

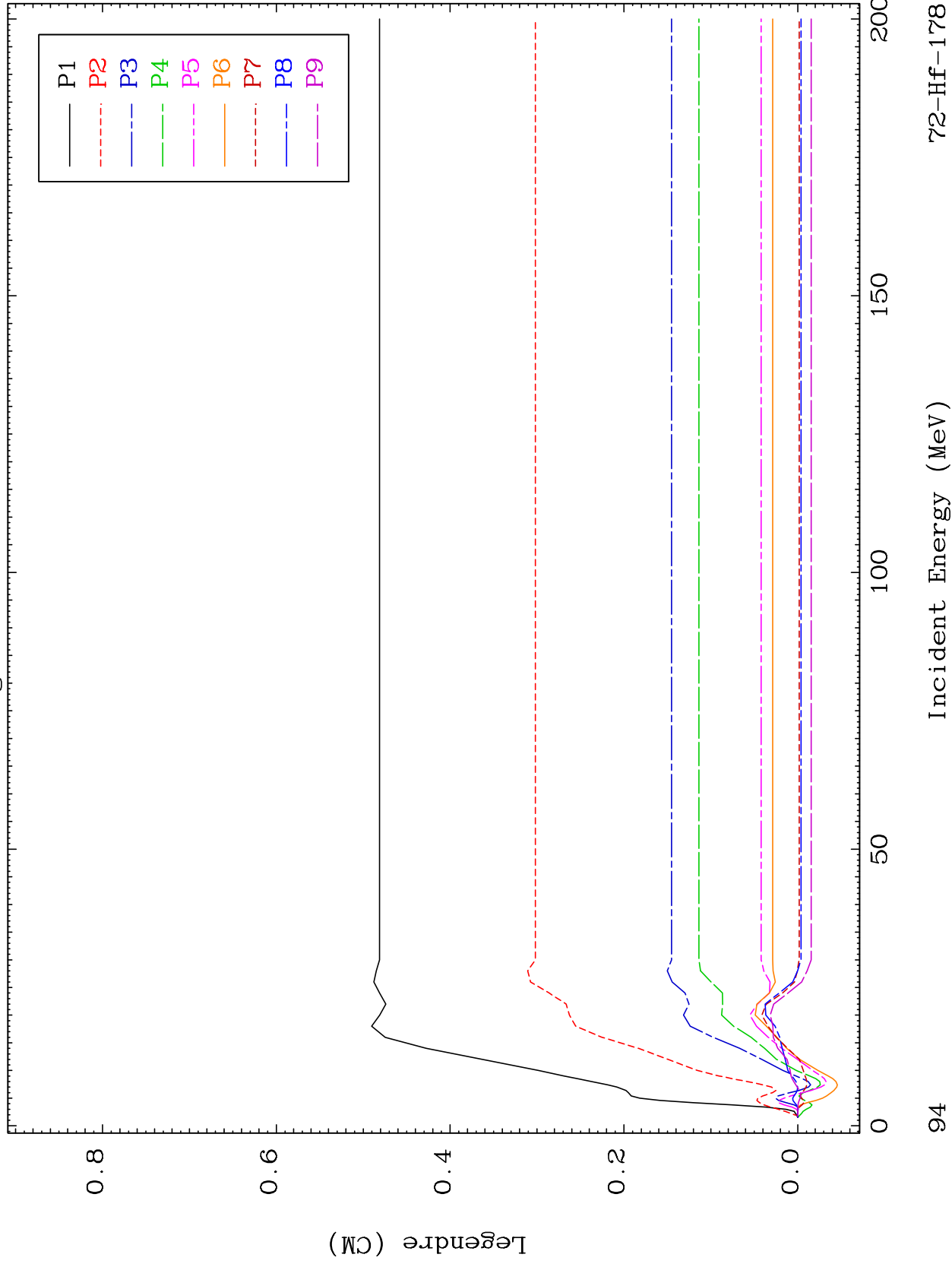
72-Hf-178



MAT 7237

1.496 MeV (n,n') Level
Legendre Coefficients

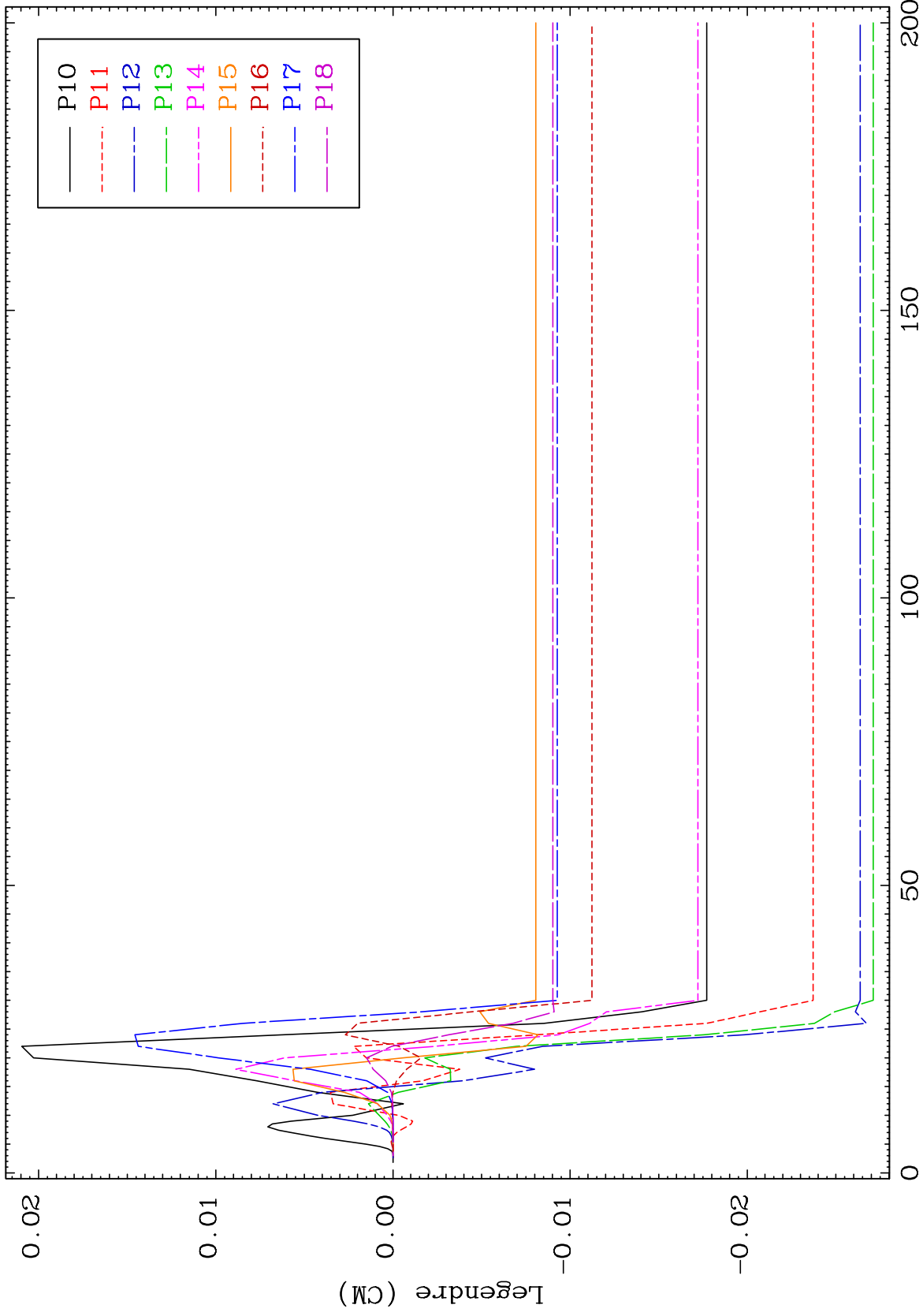
72-Hf-178



MAT 7237

1.496 MeV (n,n') Level
Legendre Coefficients

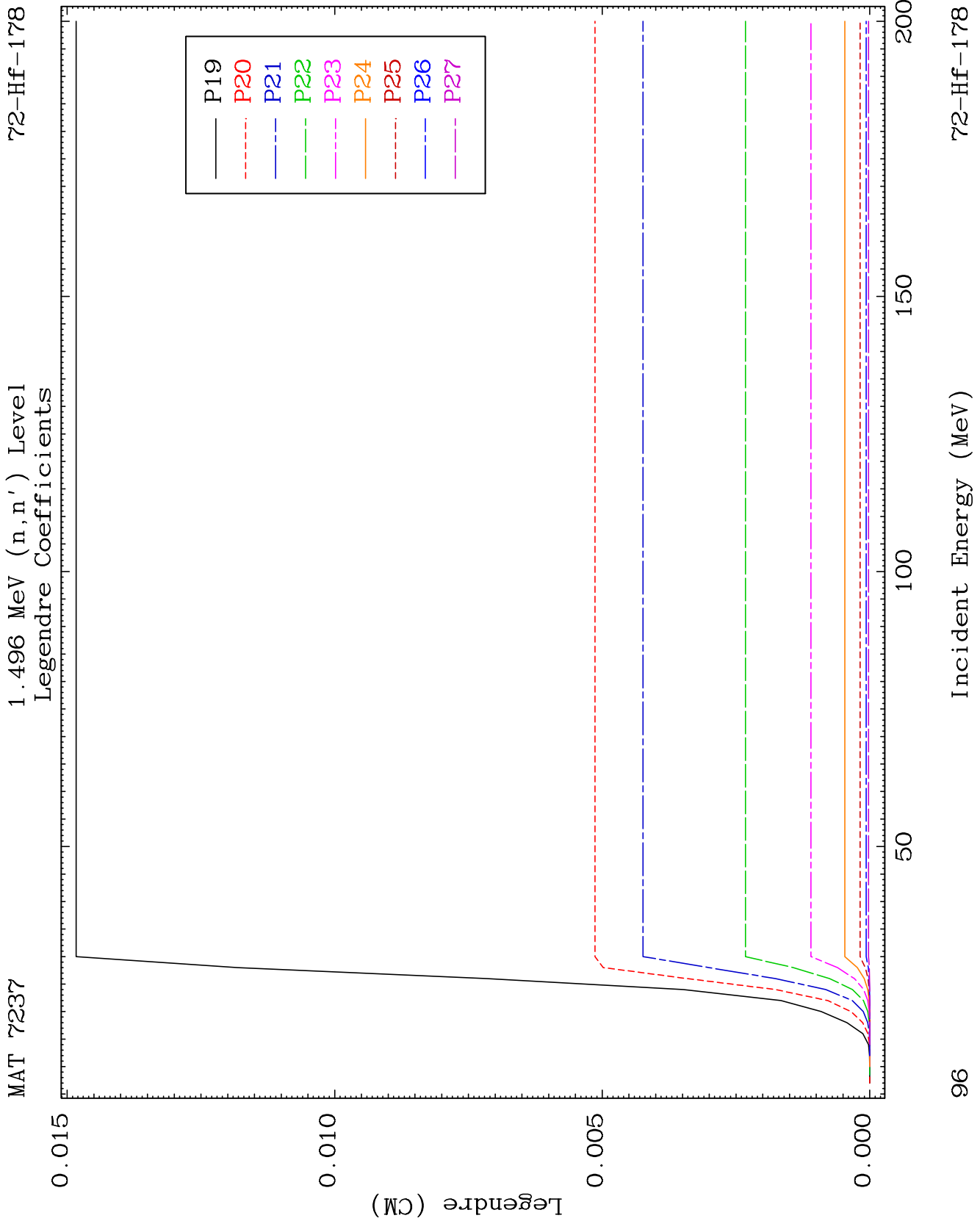
72-Hf-178



95

Incident Energy (MeV)

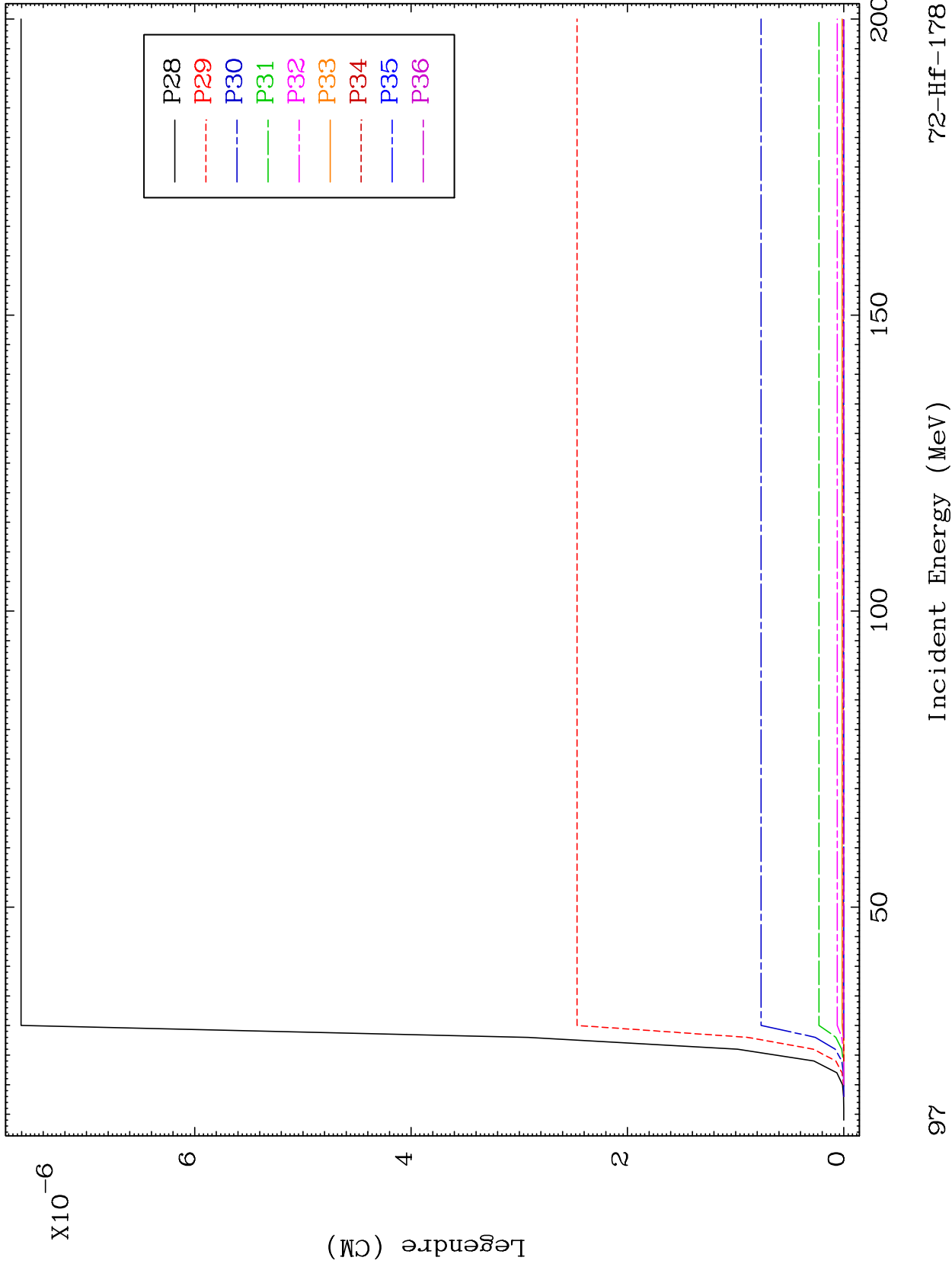
72-Hf-178



MAT 7237

1.496 MeV (n,n') Level
Legendre Coefficients

72-Hf-178



97

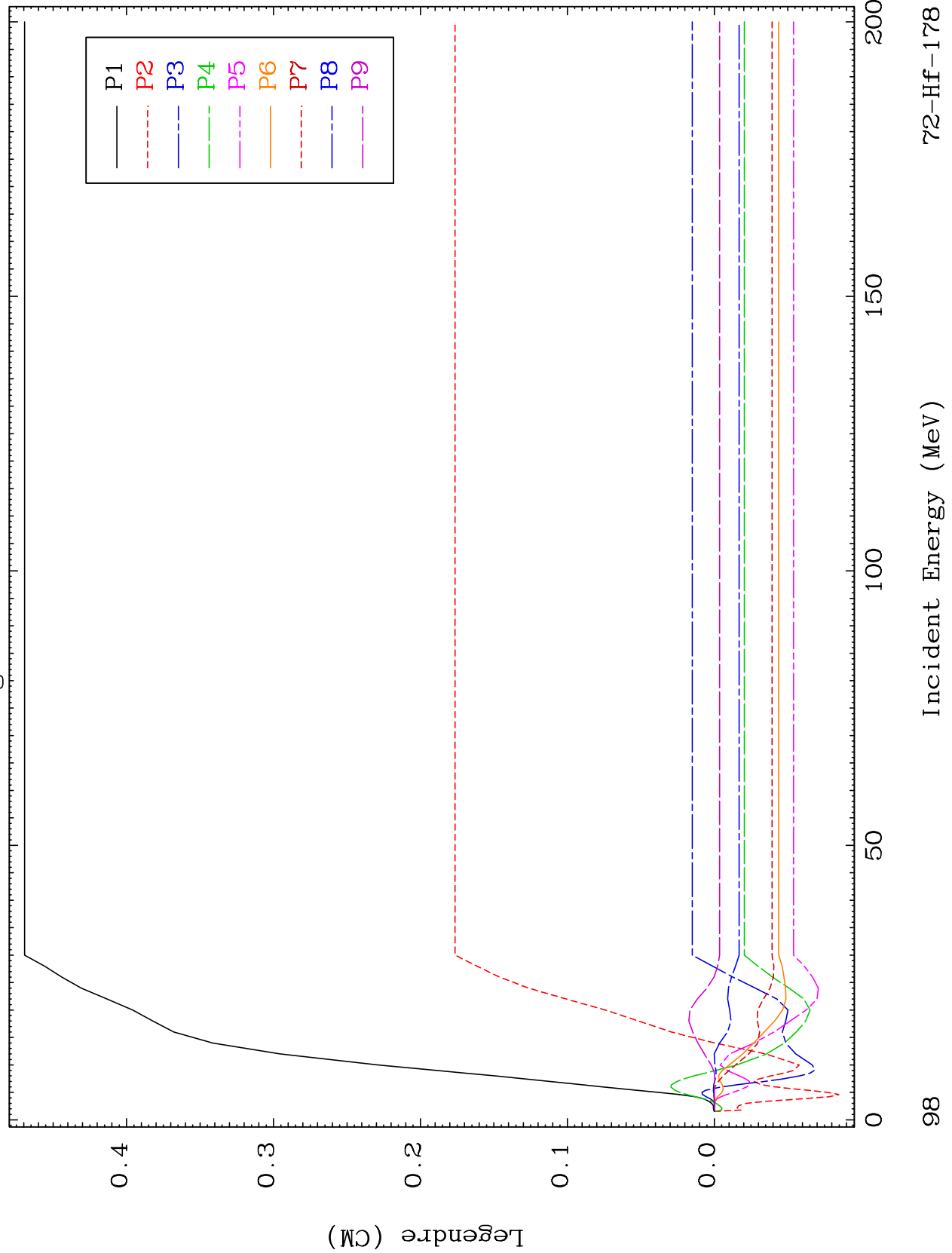
Incident Energy (MeV)

72-Hf-178

MAT 7237

1.513 MeV (n,n') Level
Legendre Coefficients

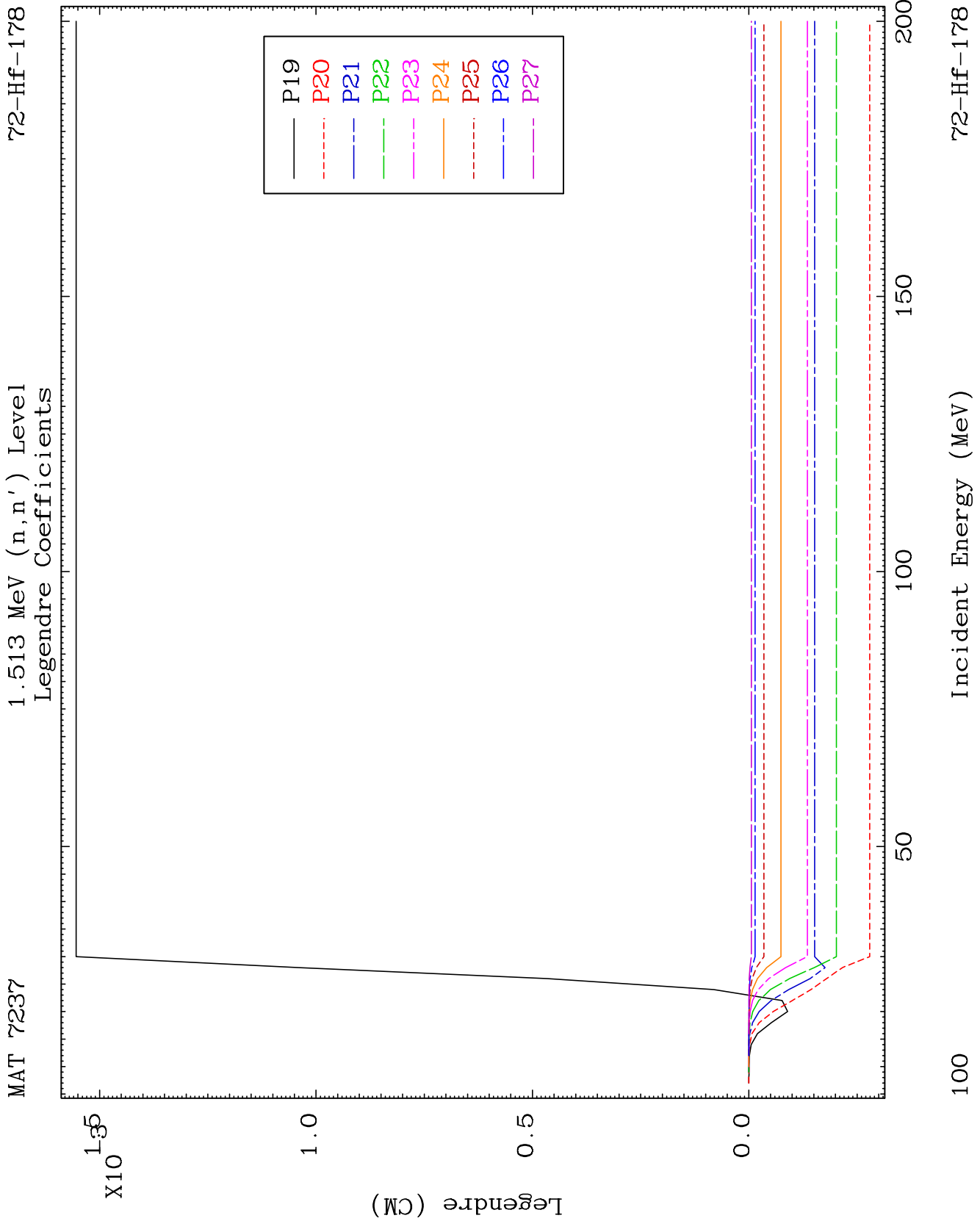
72-Hf-178

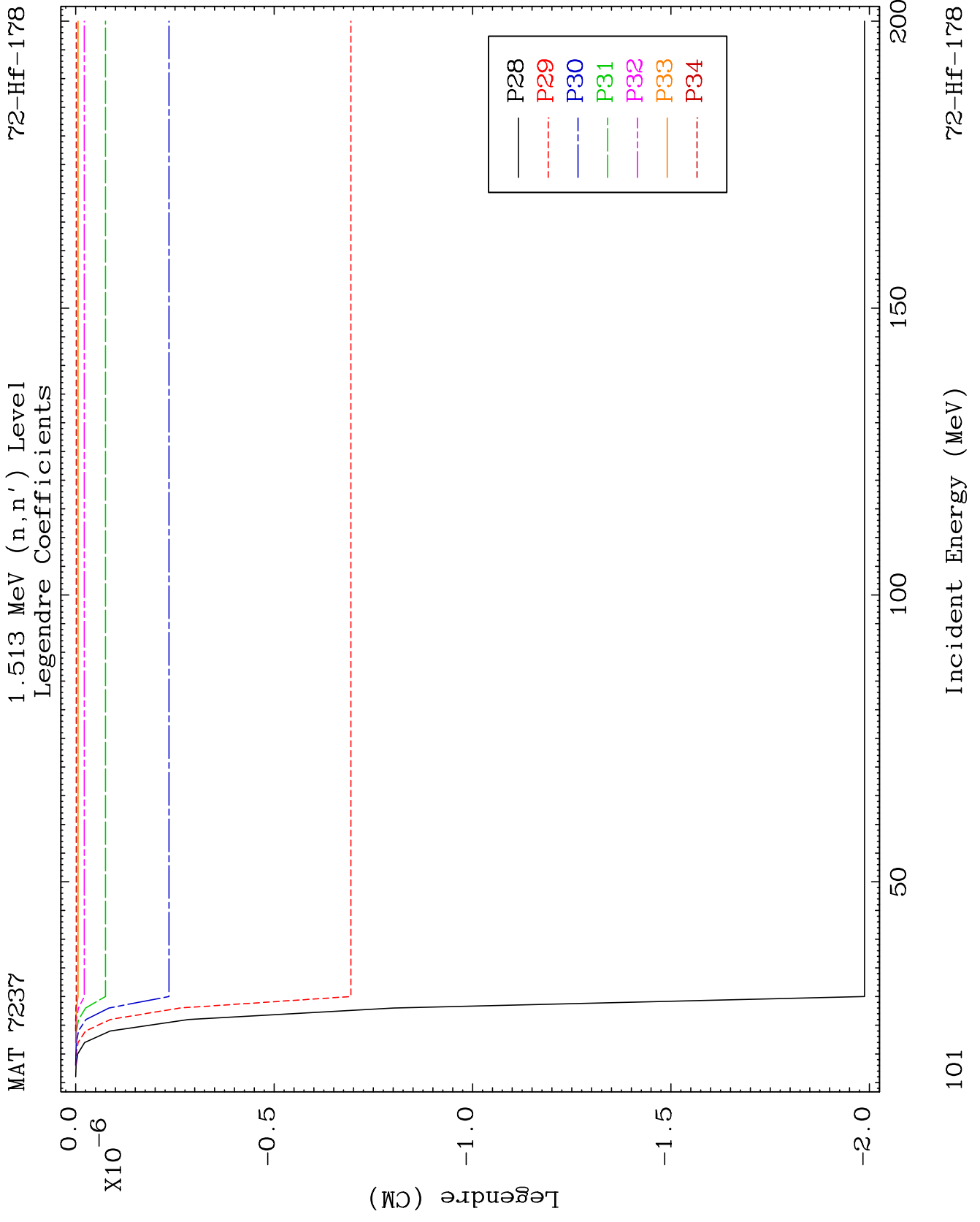


72-Hf-178

Incident Energy (MeV)

98

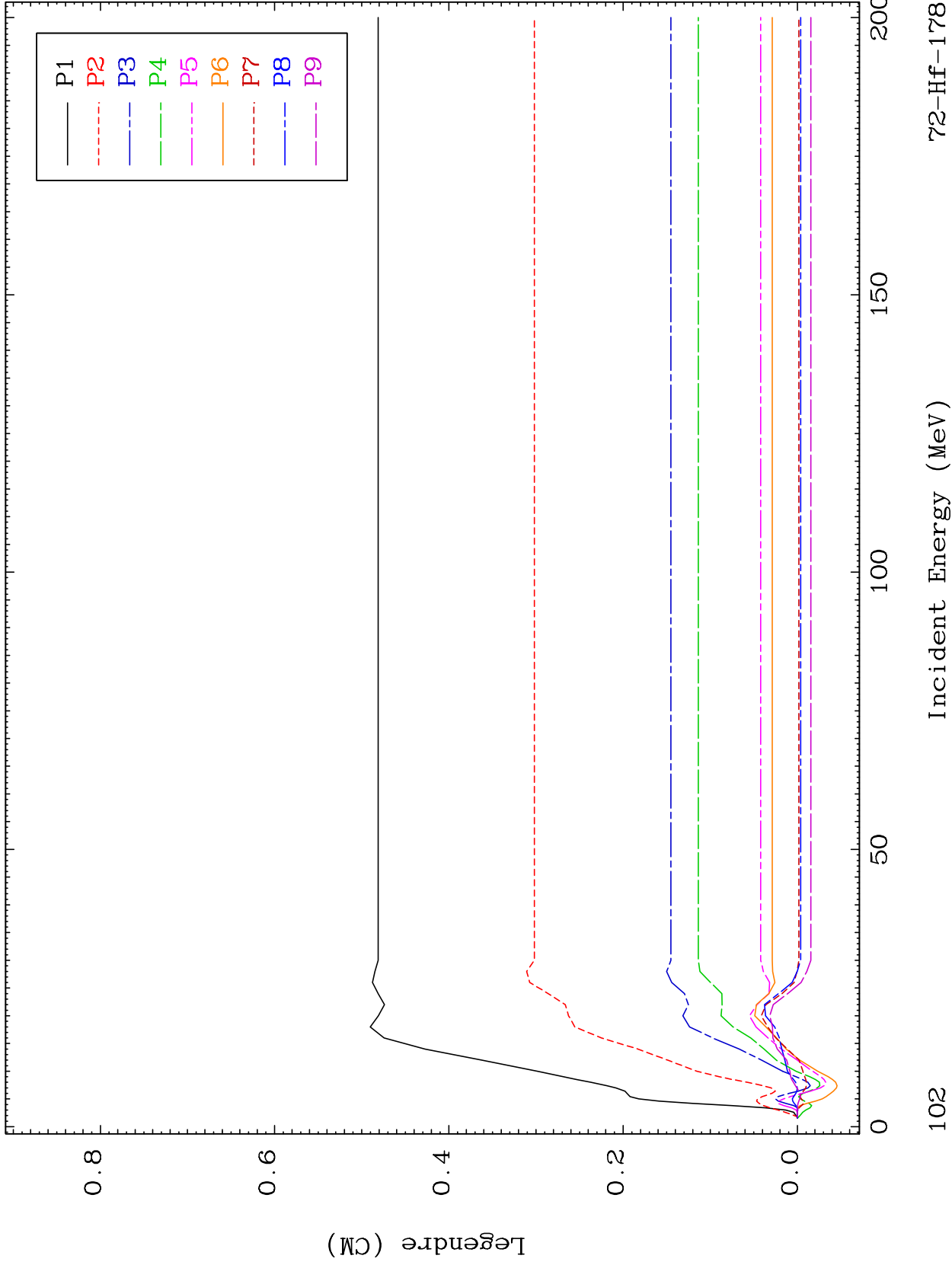




MAT 7237

1.514 MeV (n,n') Level
Legendre Coefficients

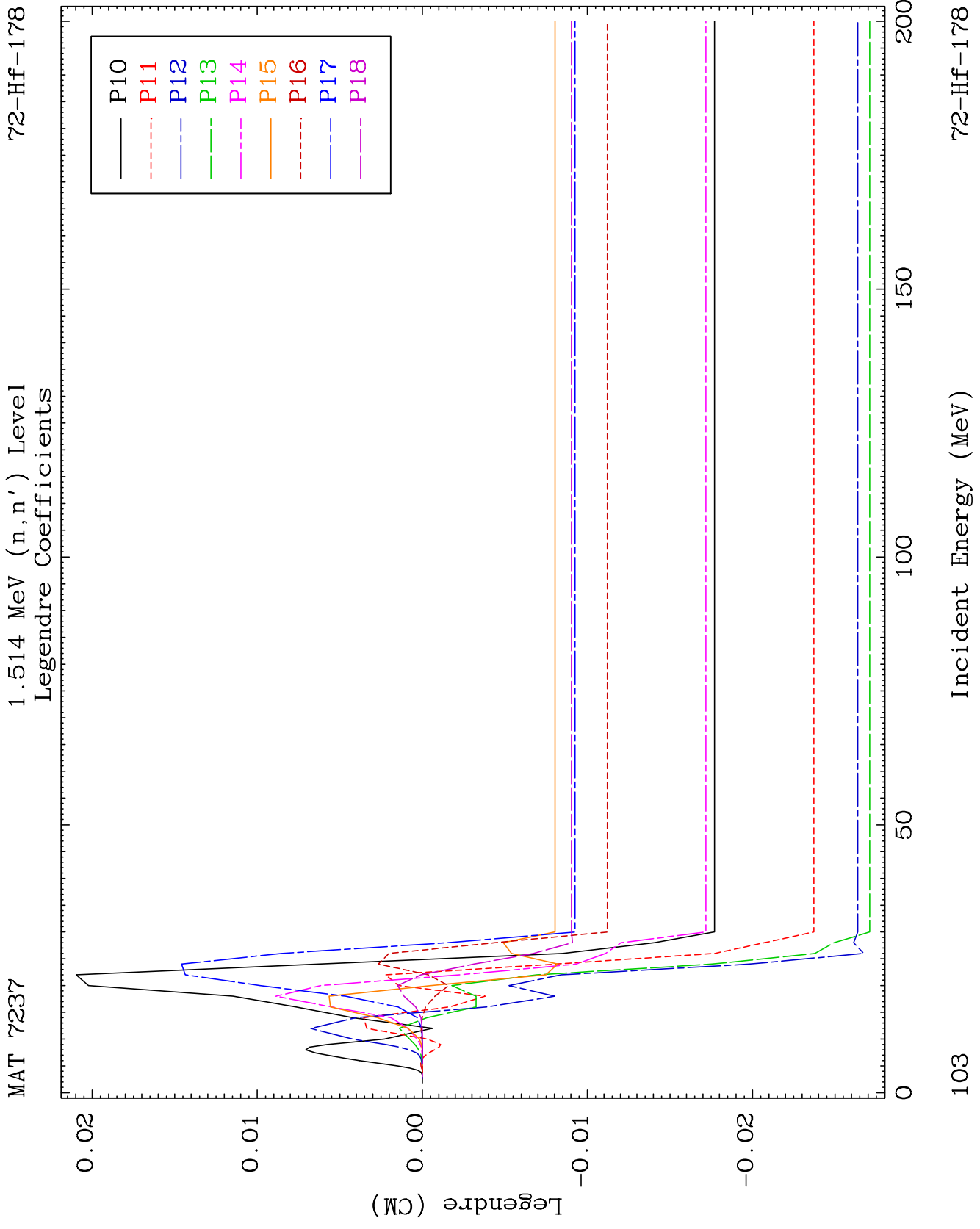
72-Hf-178

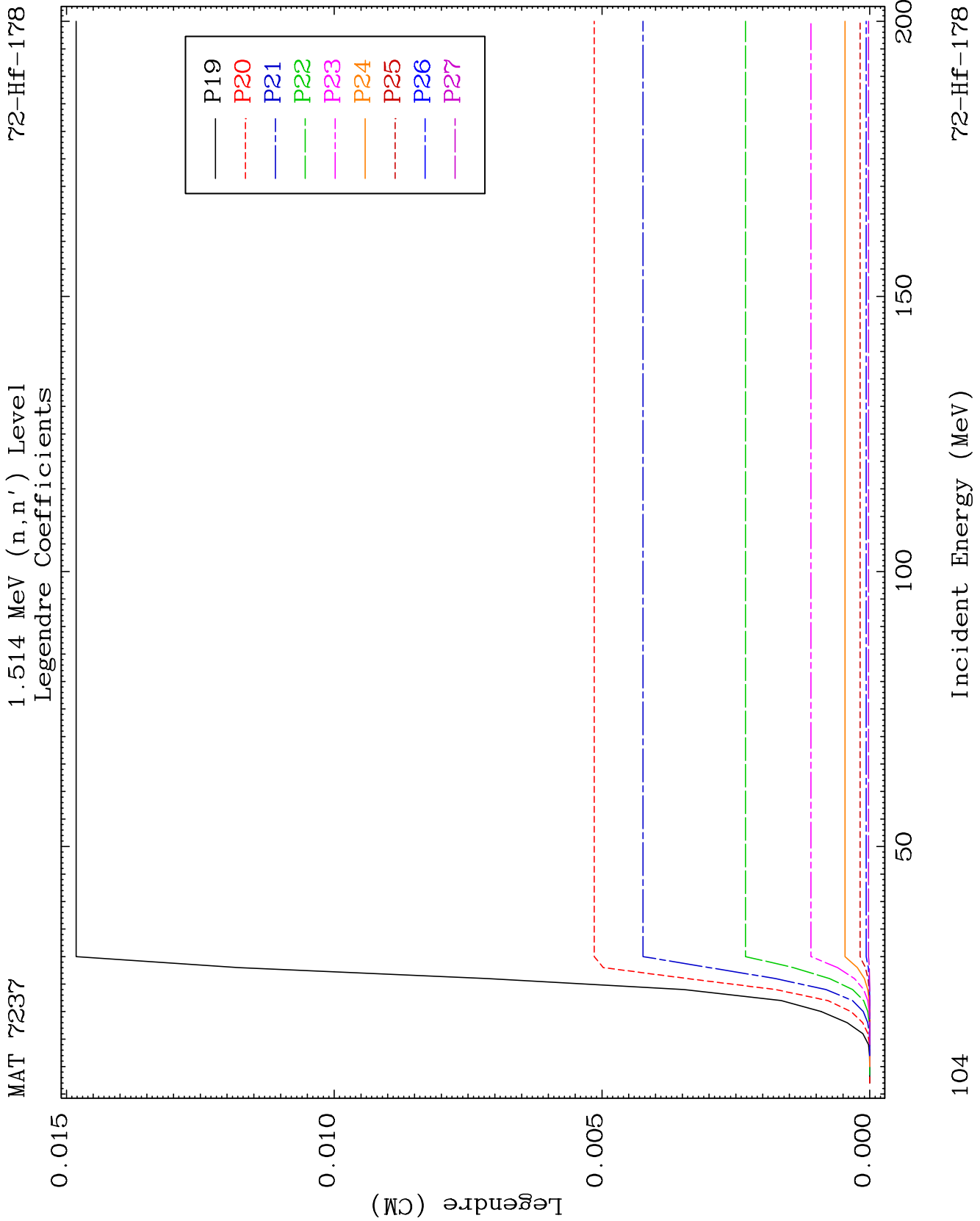


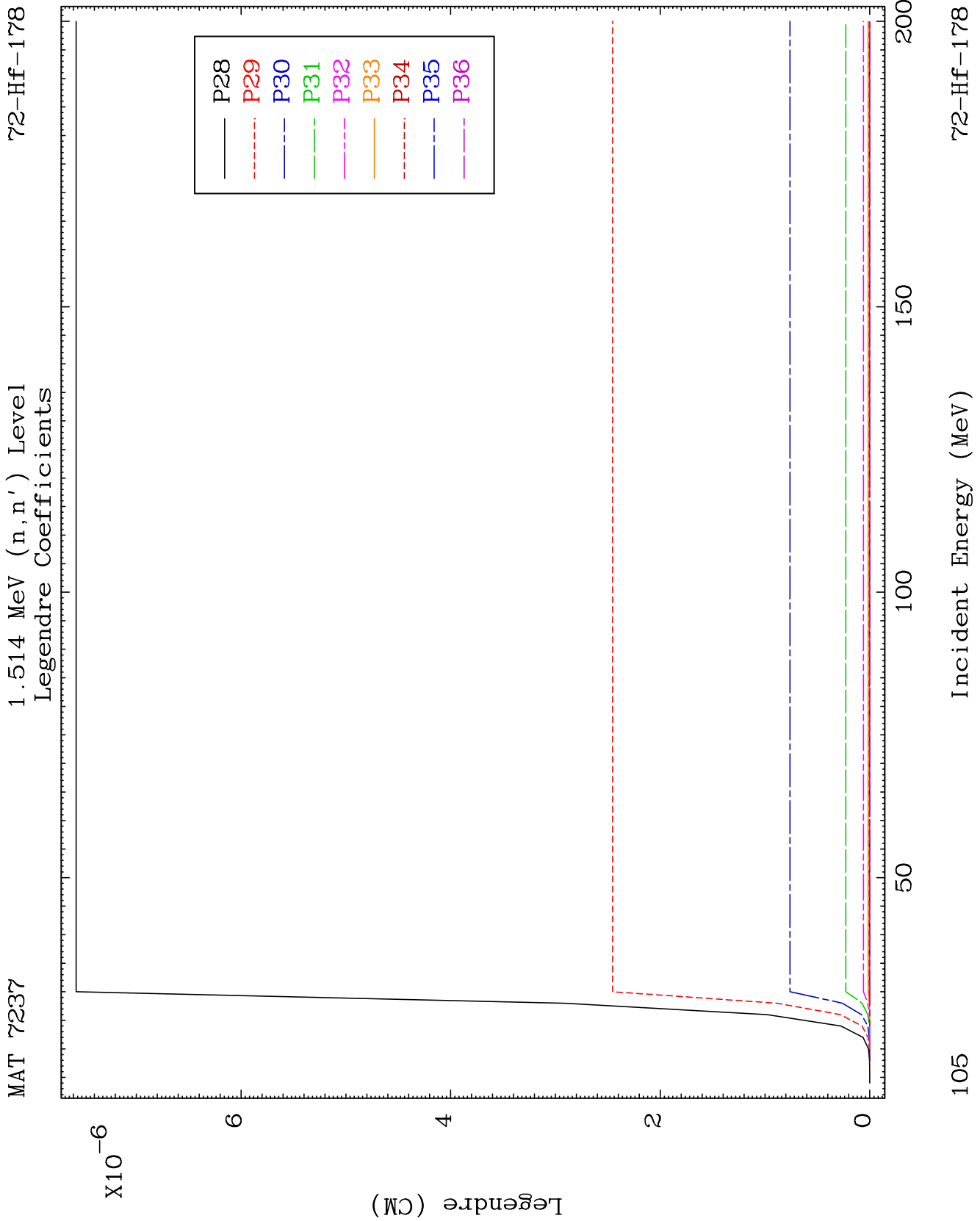
72-Hf-178

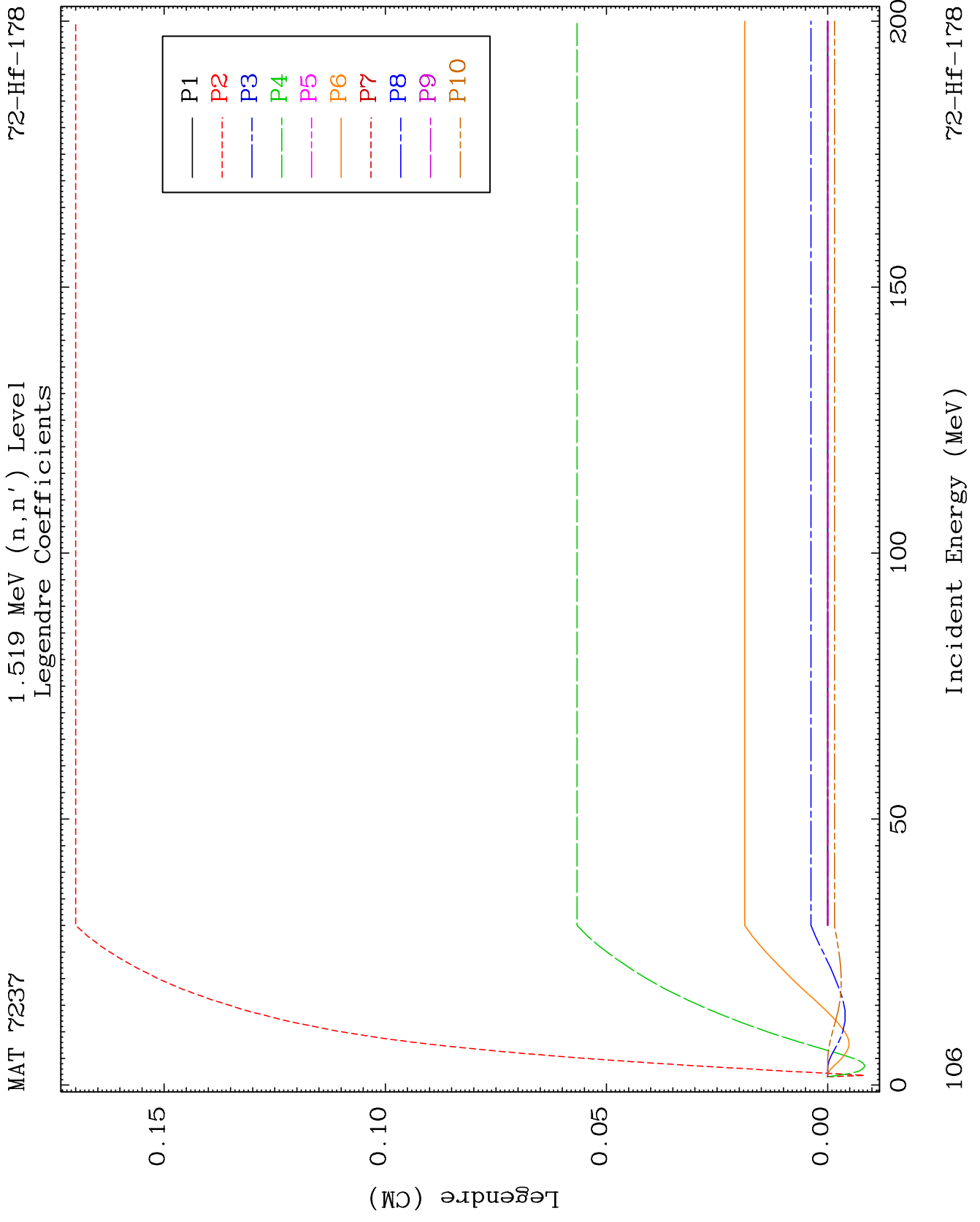
Incident Energy (MeV)

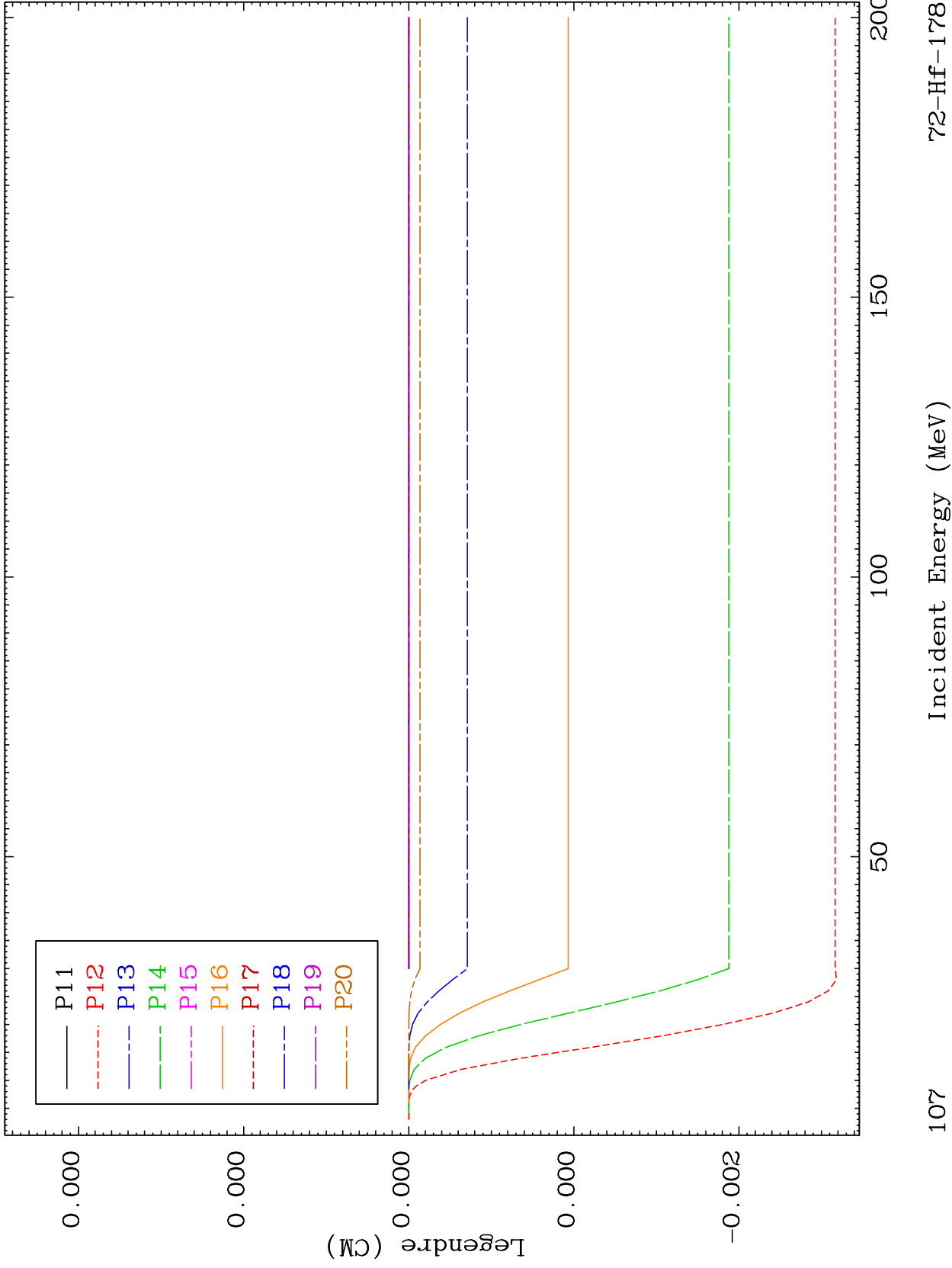
102

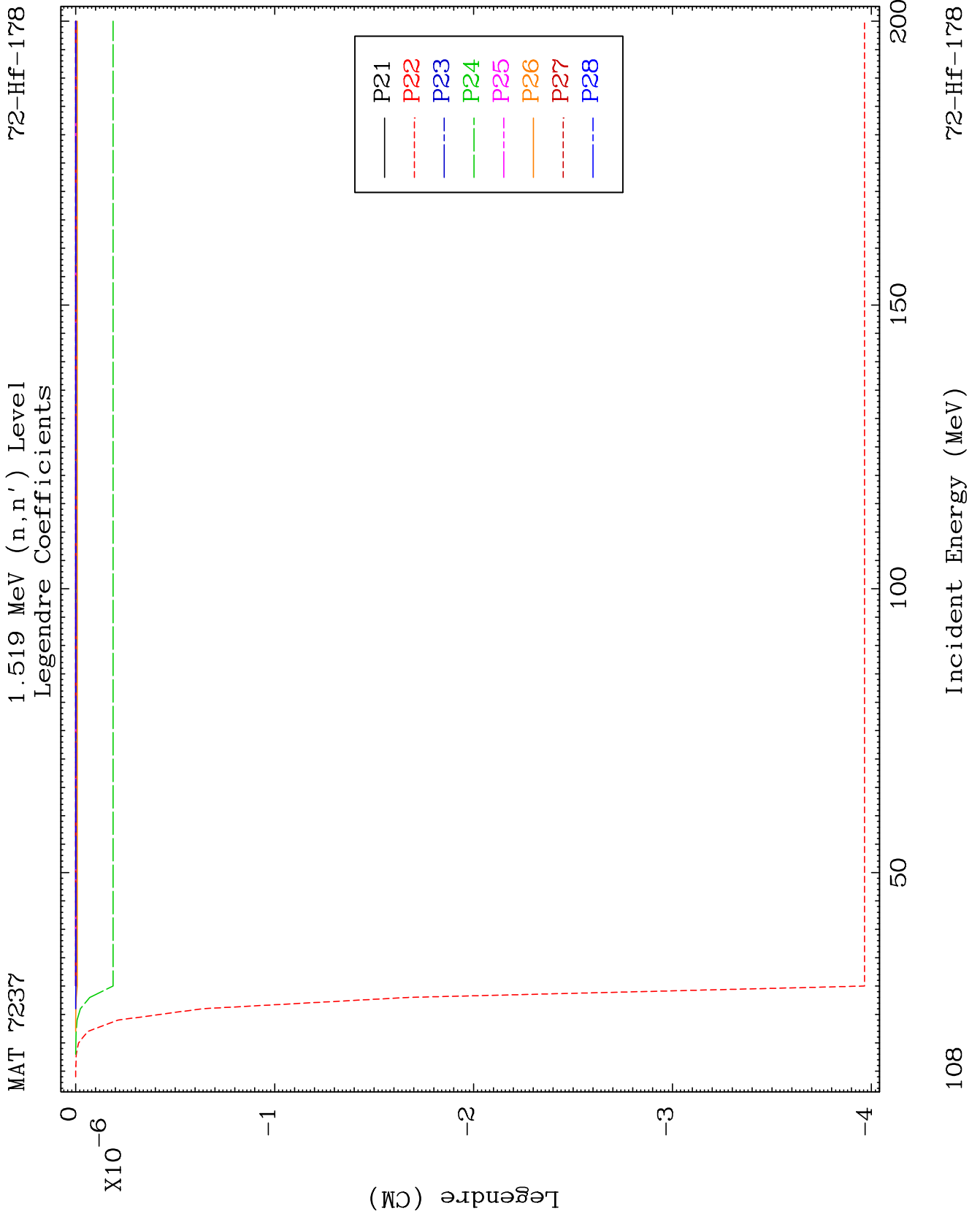


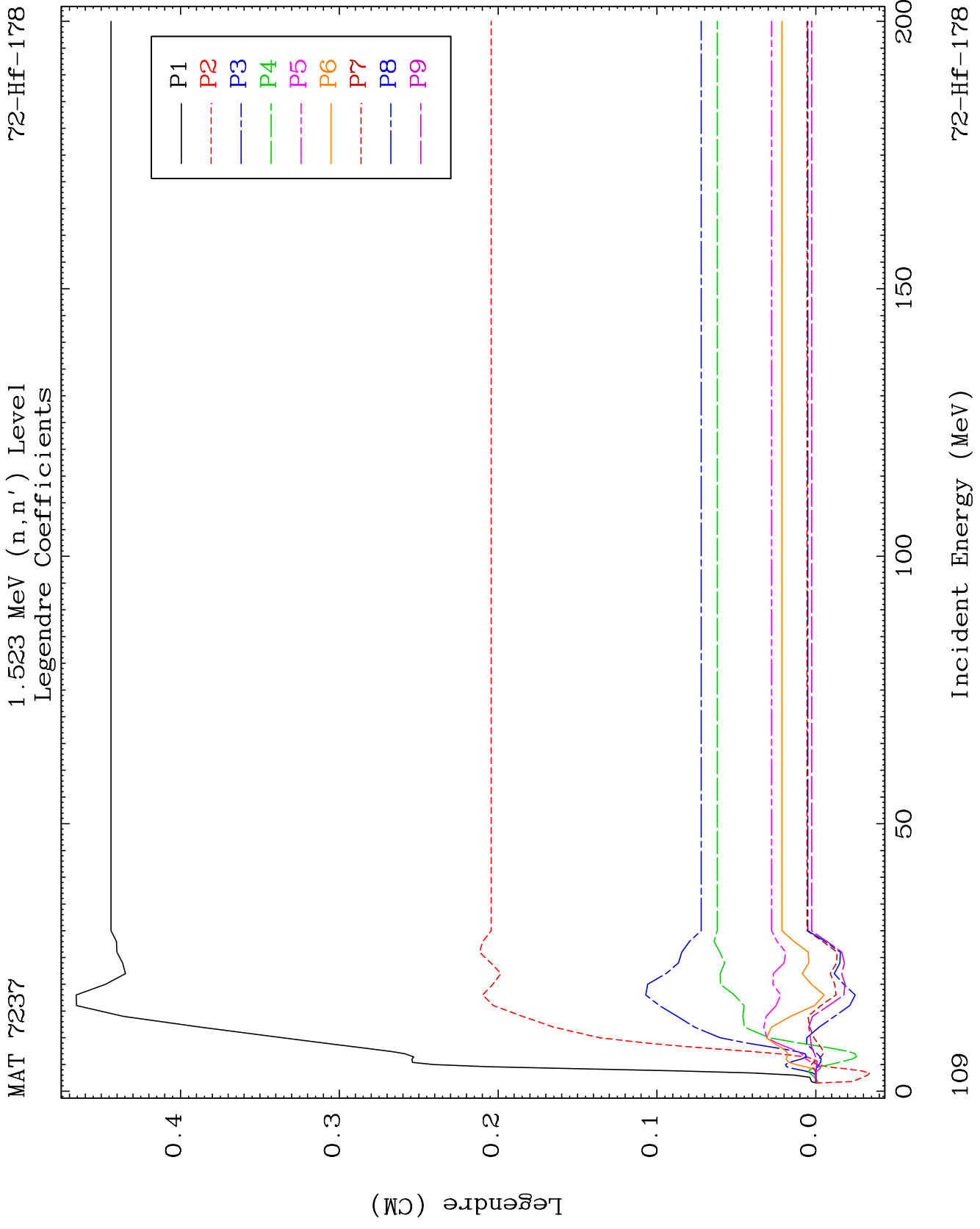








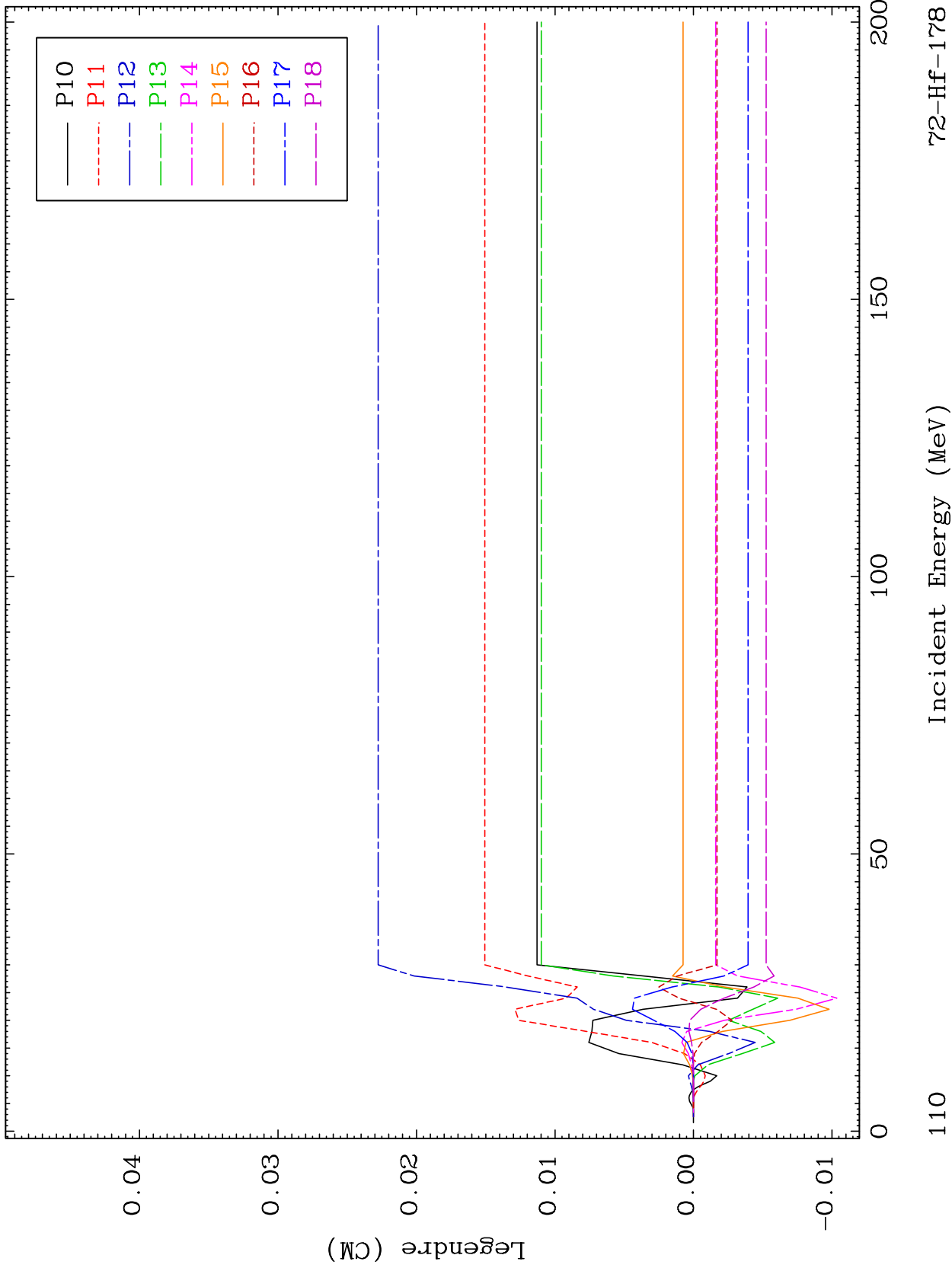




MAT 7237

1.523 MeV (n,n') Level
Legendre Coefficients

72-Hf-178



72-Hf-178

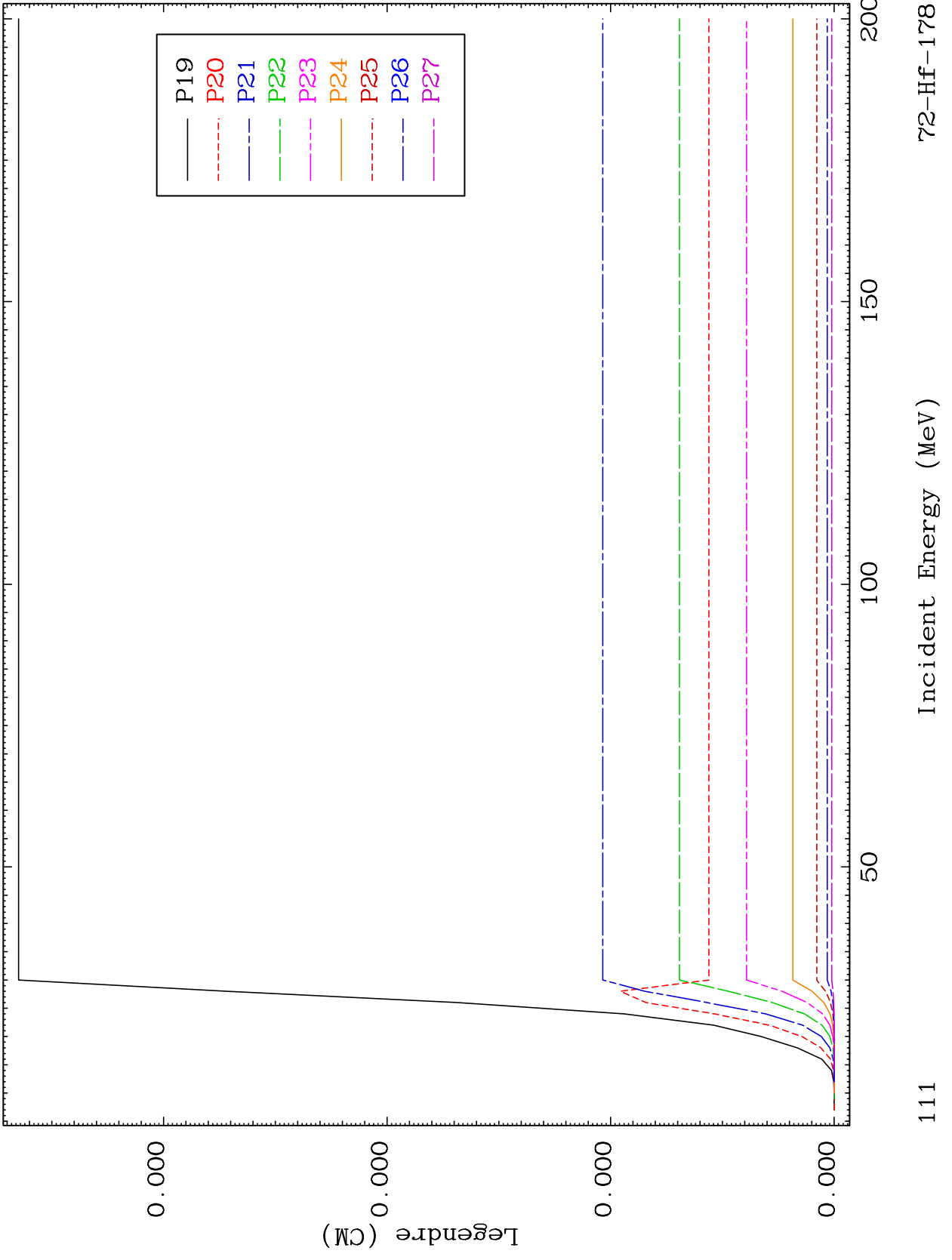
Incident Energy (MeV)

110

MAT 7237

1.523 MeV (n,n') Level
Legendre Coefficients

72-Hf-178



111

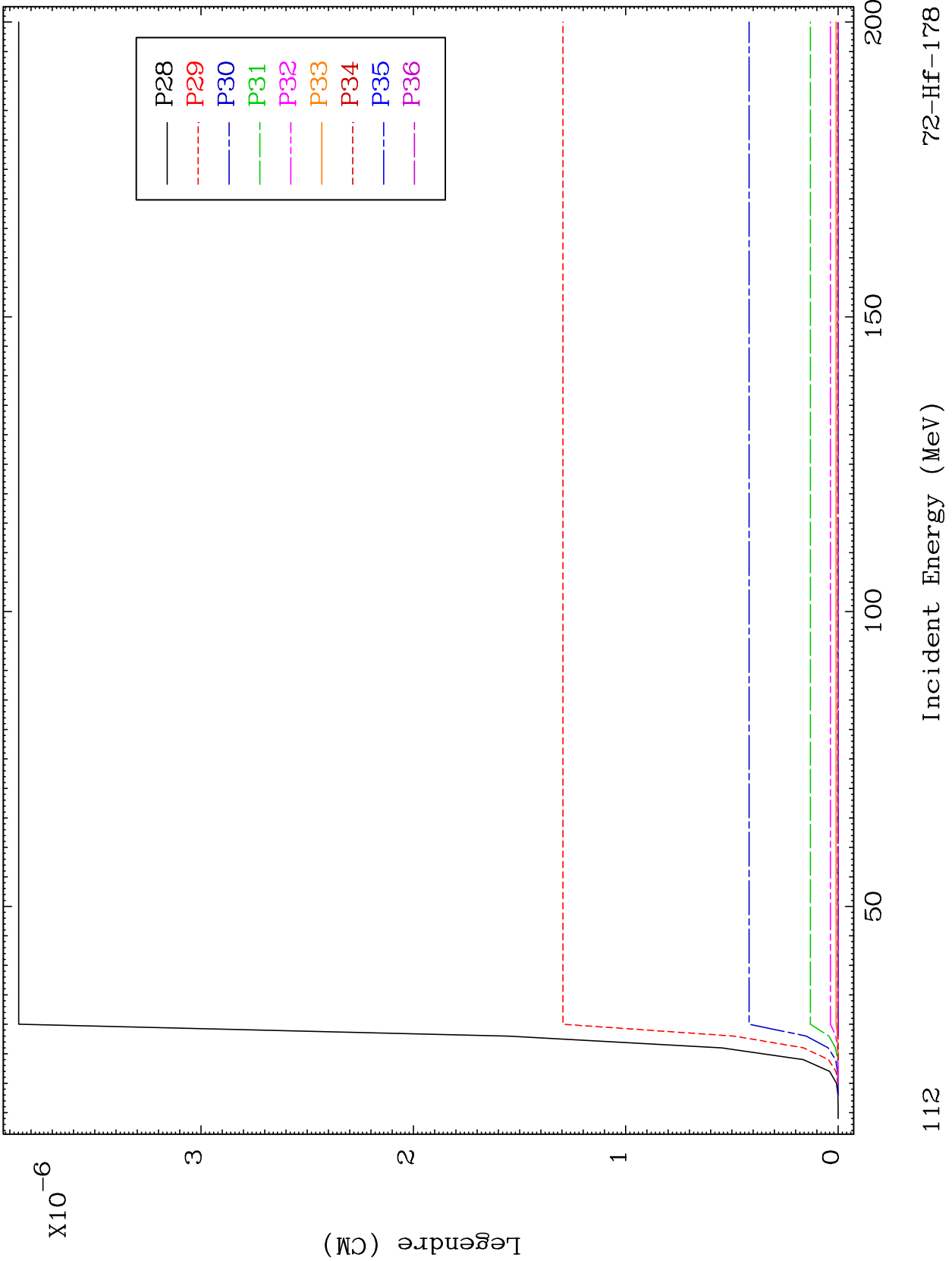
Incident Energy (MeV)

72-Hf-178

MAT 7237

1.523 MeV (n,n') Level
Legendre Coefficients

72-Hf-178

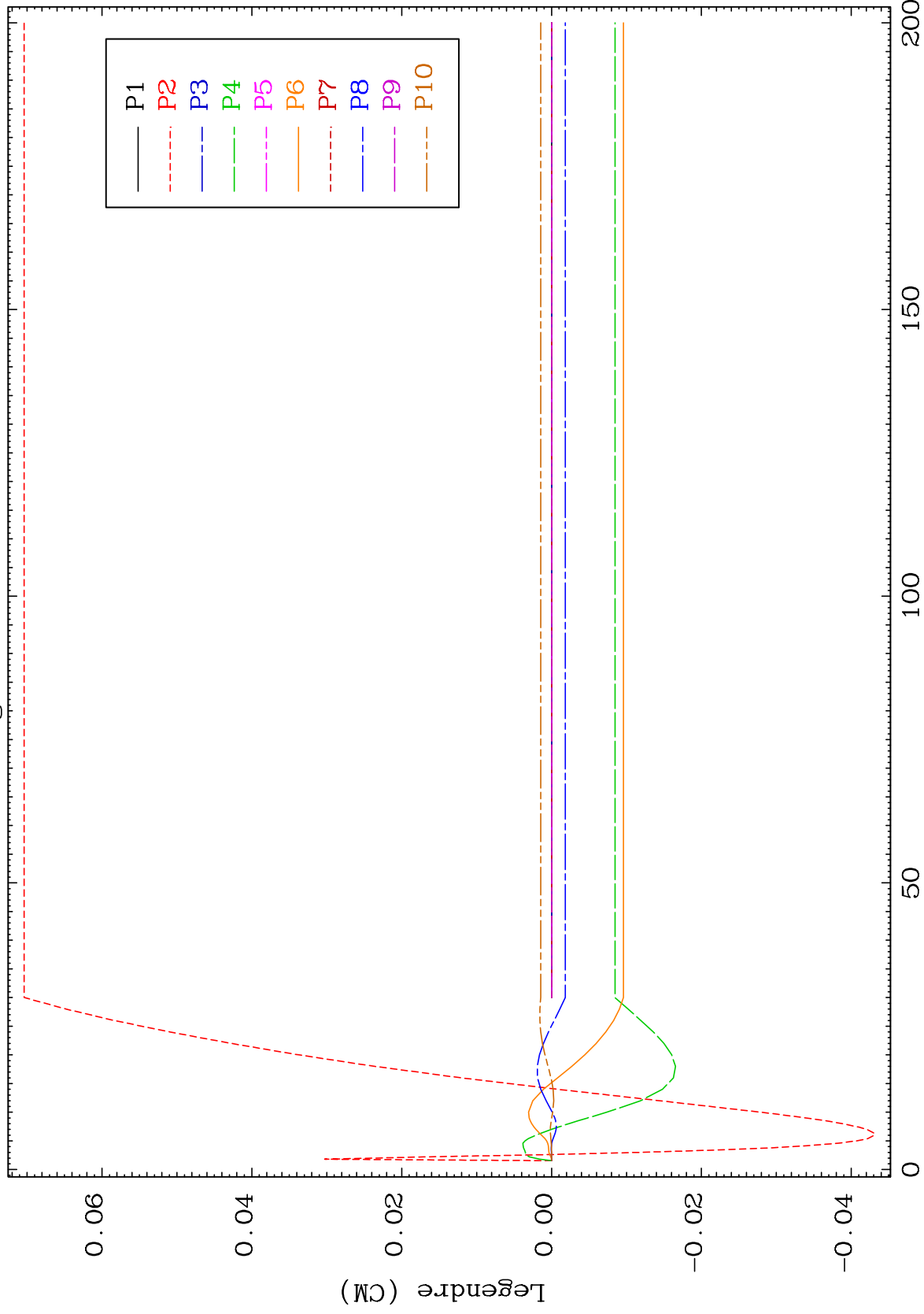


112

MAT 7237

1.533 MeV (n,n') Level
Legendre Coefficients

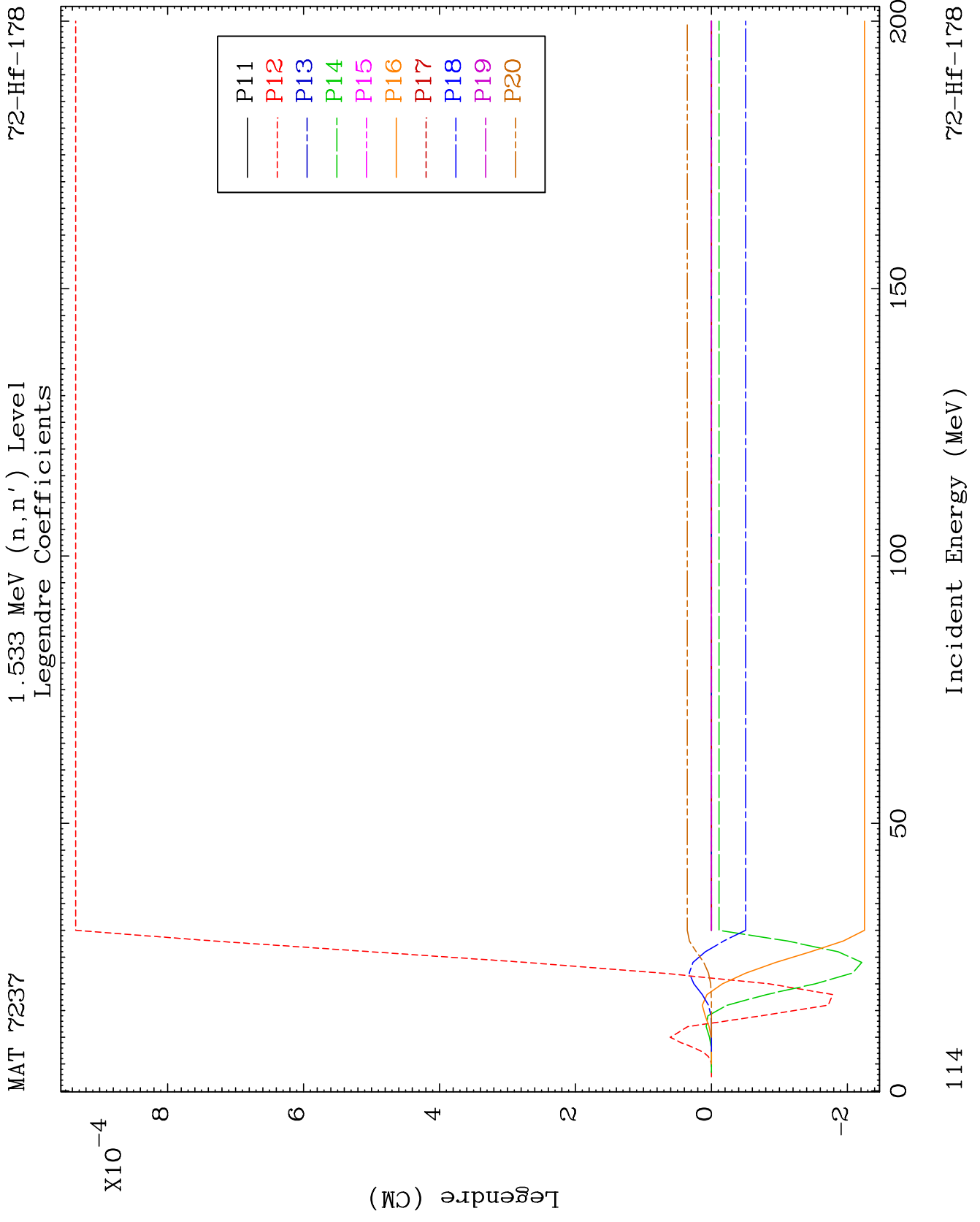
72-Hf-178

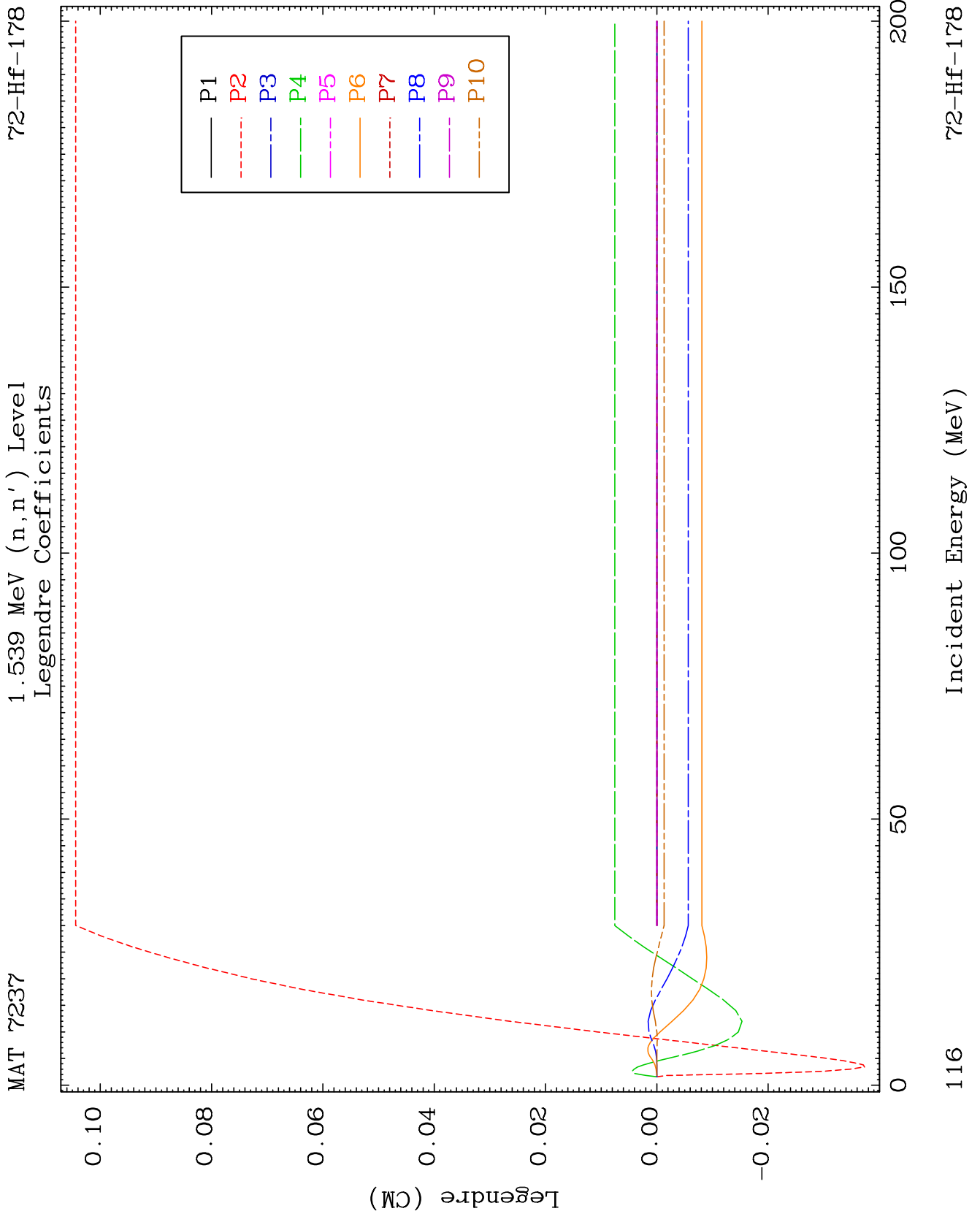


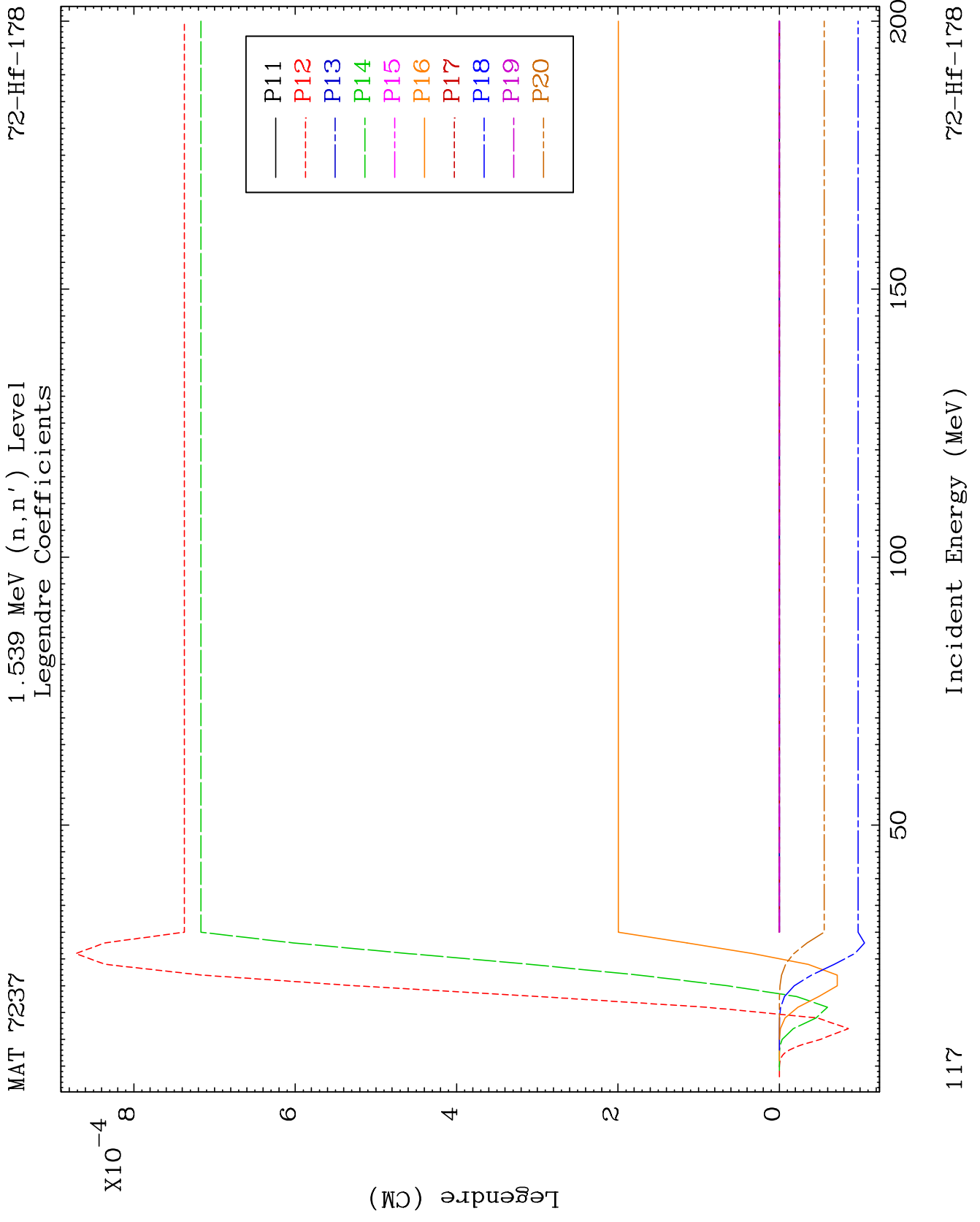
72-Hf-178

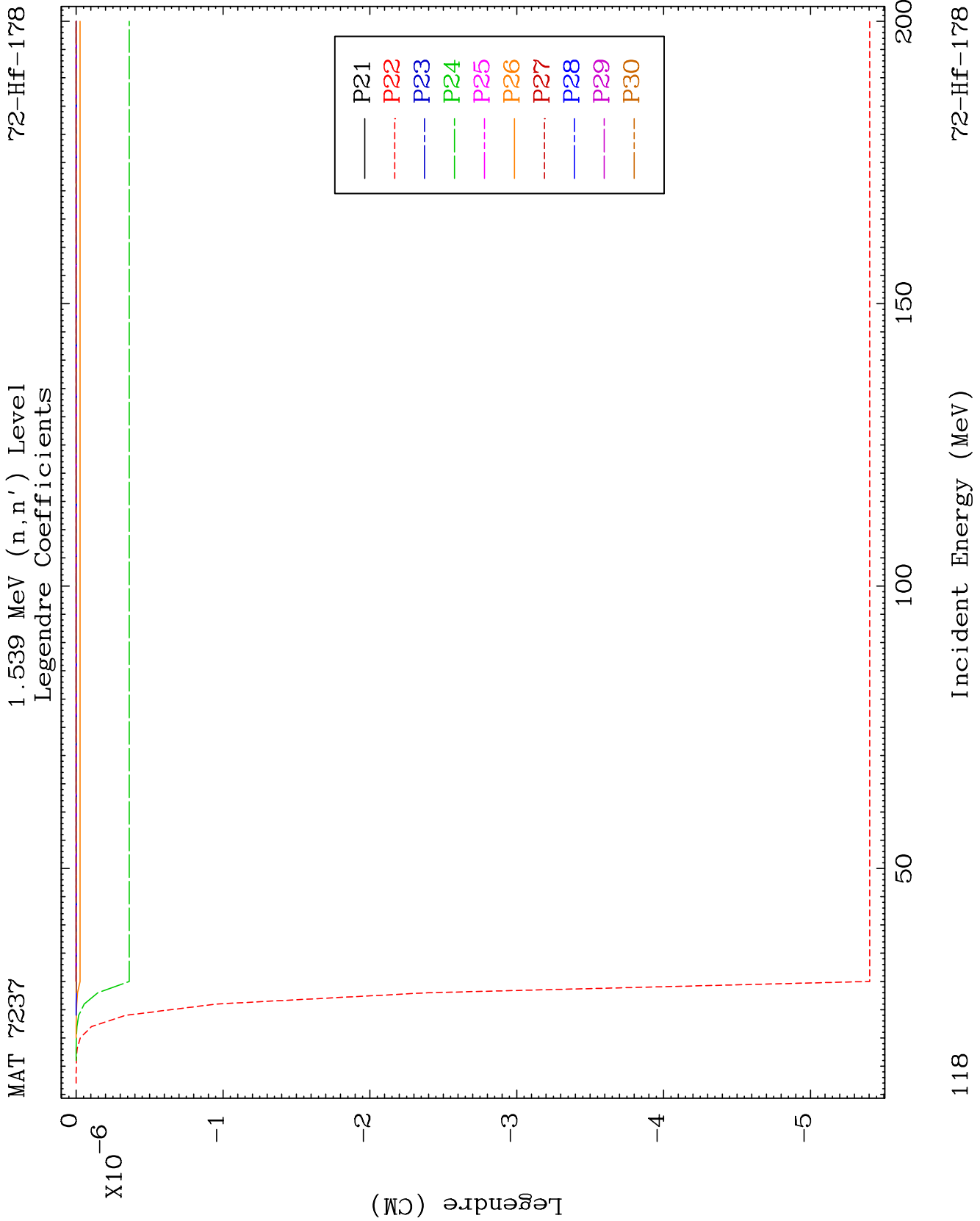
Incident Energy (MeV)

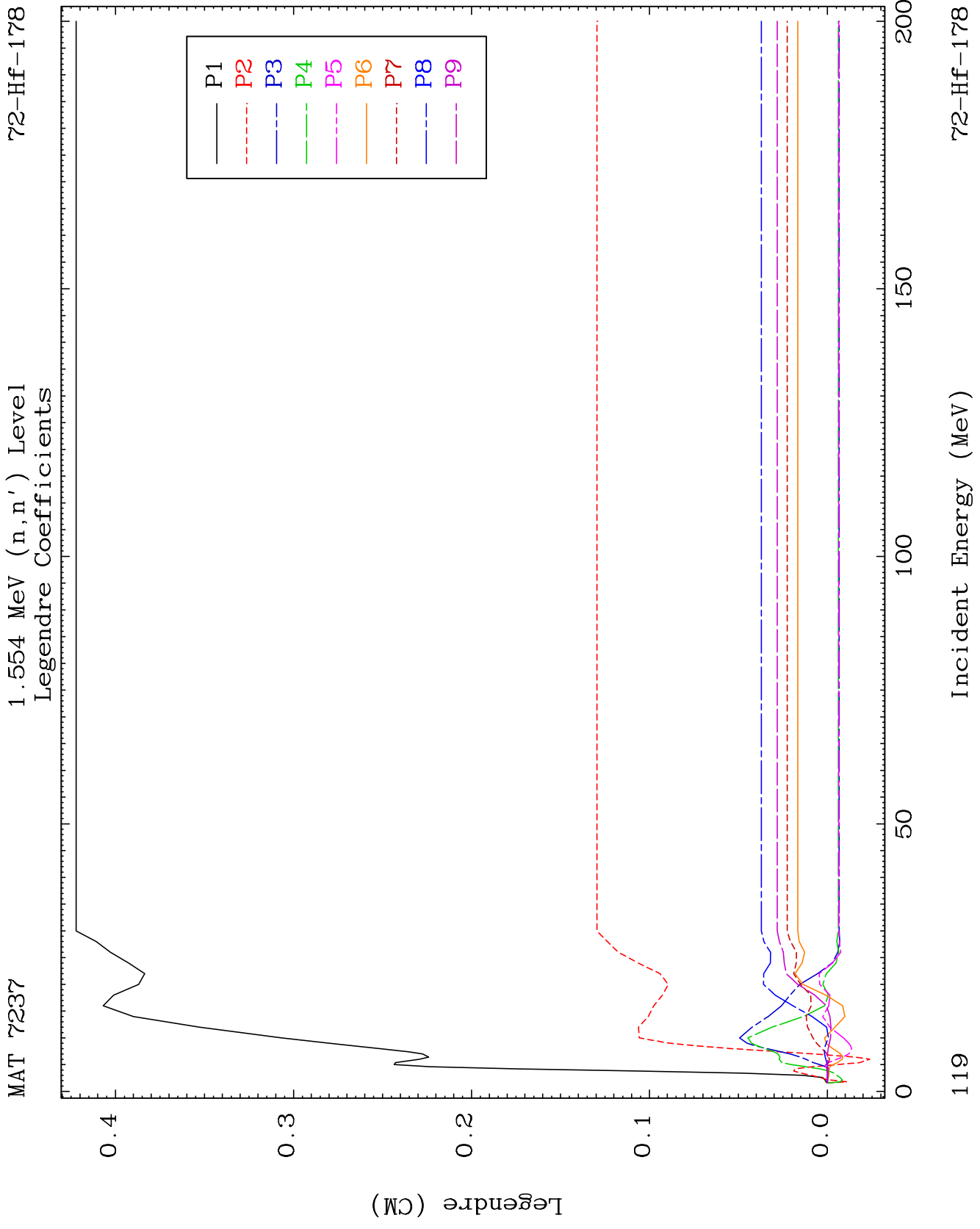
113







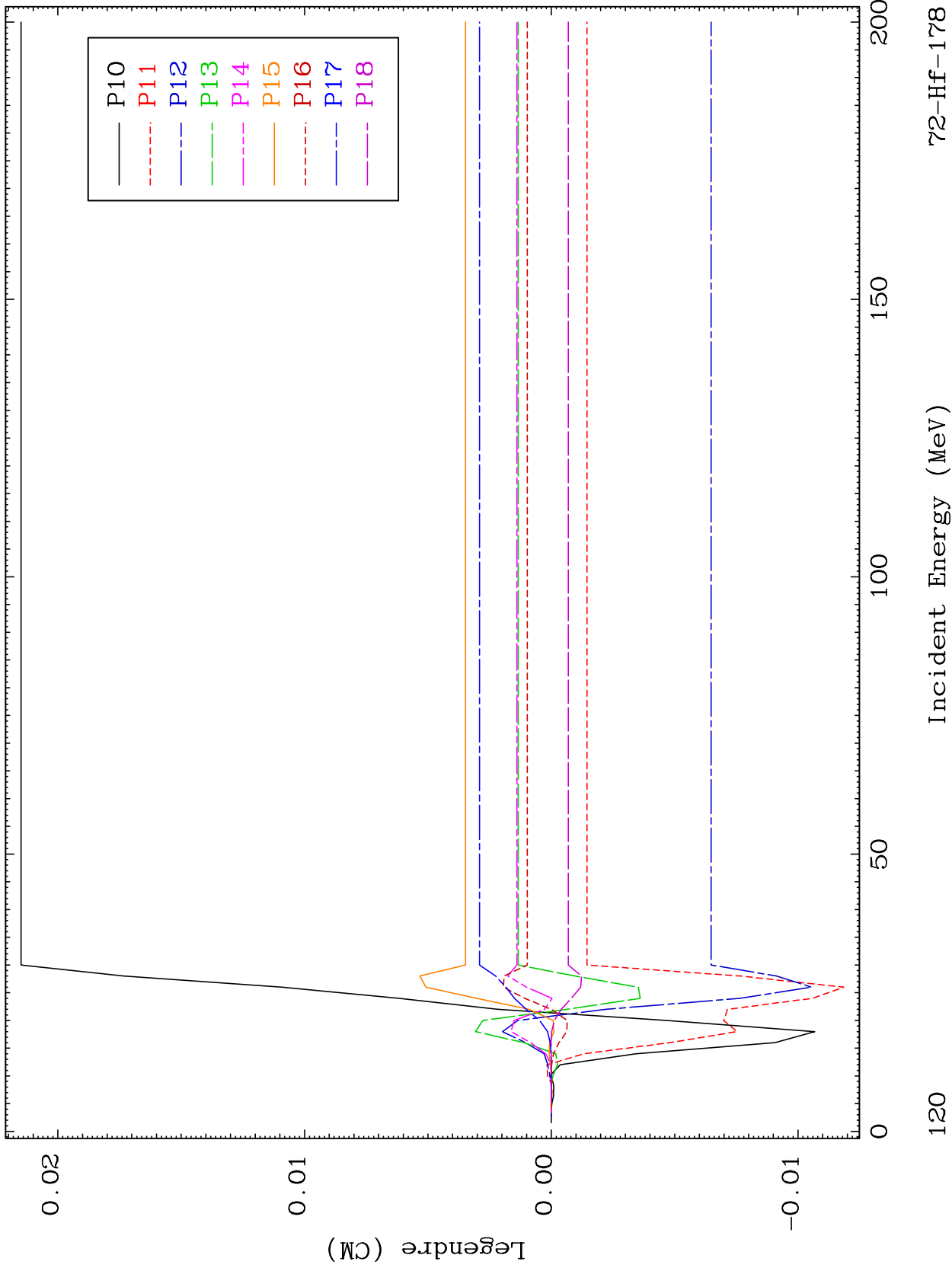




MAT 7237

1.554 MeV (n,n') Level
Legendre Coefficients

72-Hf-178



72-Hf-178

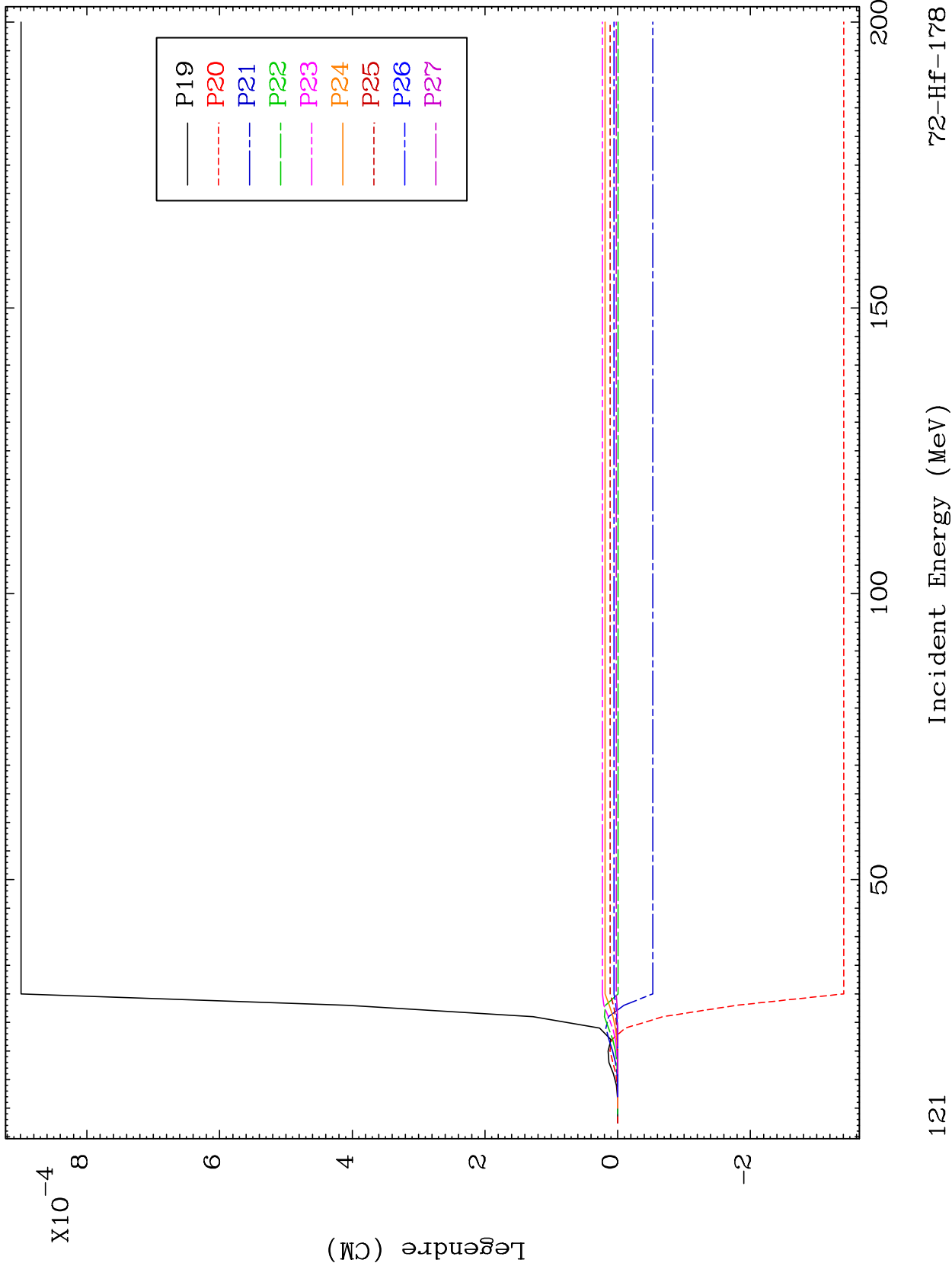
Incident Energy (MeV)

Legendre (CM)

MAT 7237

1.554 MeV (n,n') Level
Legendre Coefficients

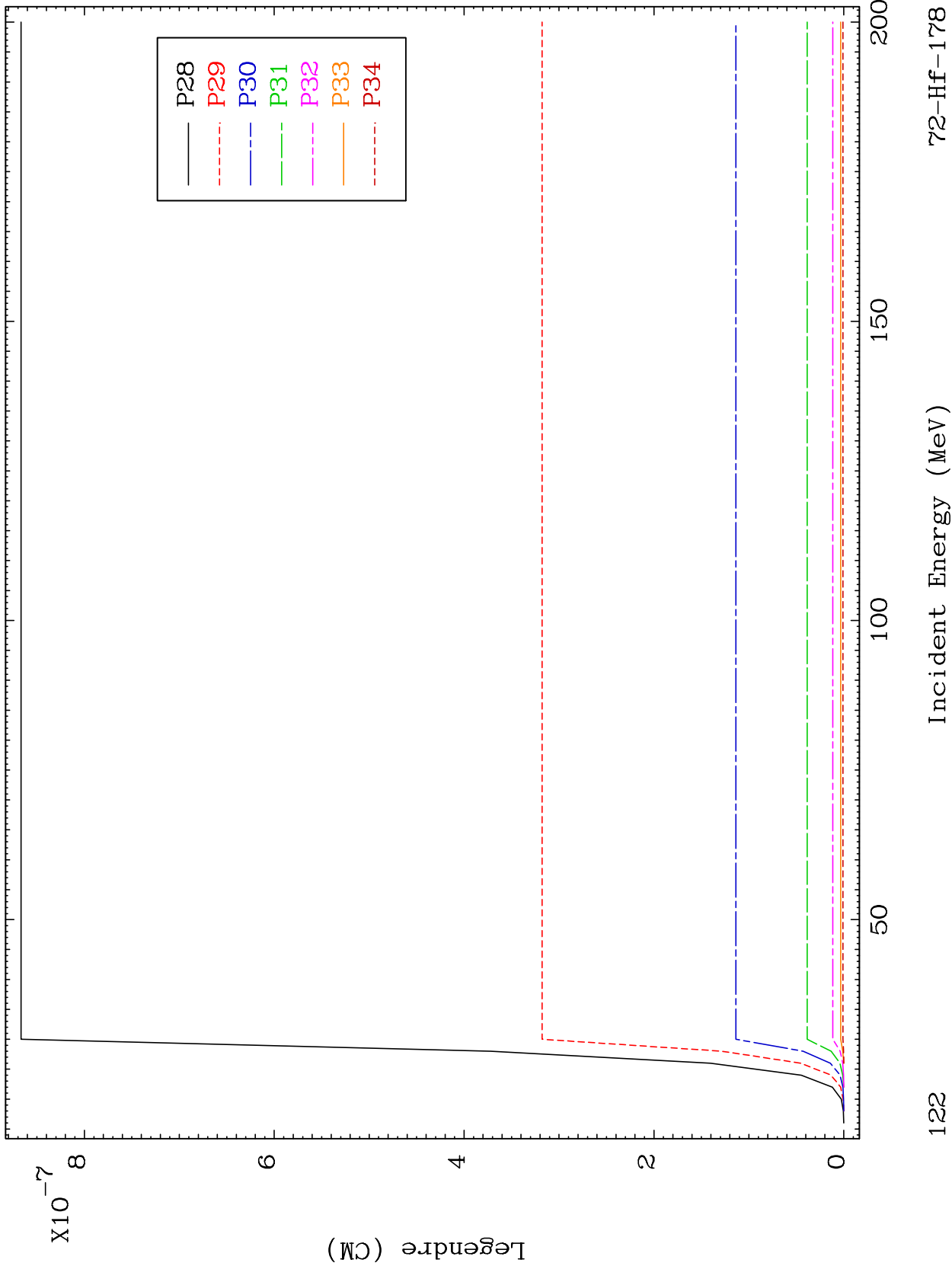
72-Hf-178



MAT 7237

1.554 MeV (n,n') Level
Legendre Coefficients

72-Hf-178



122

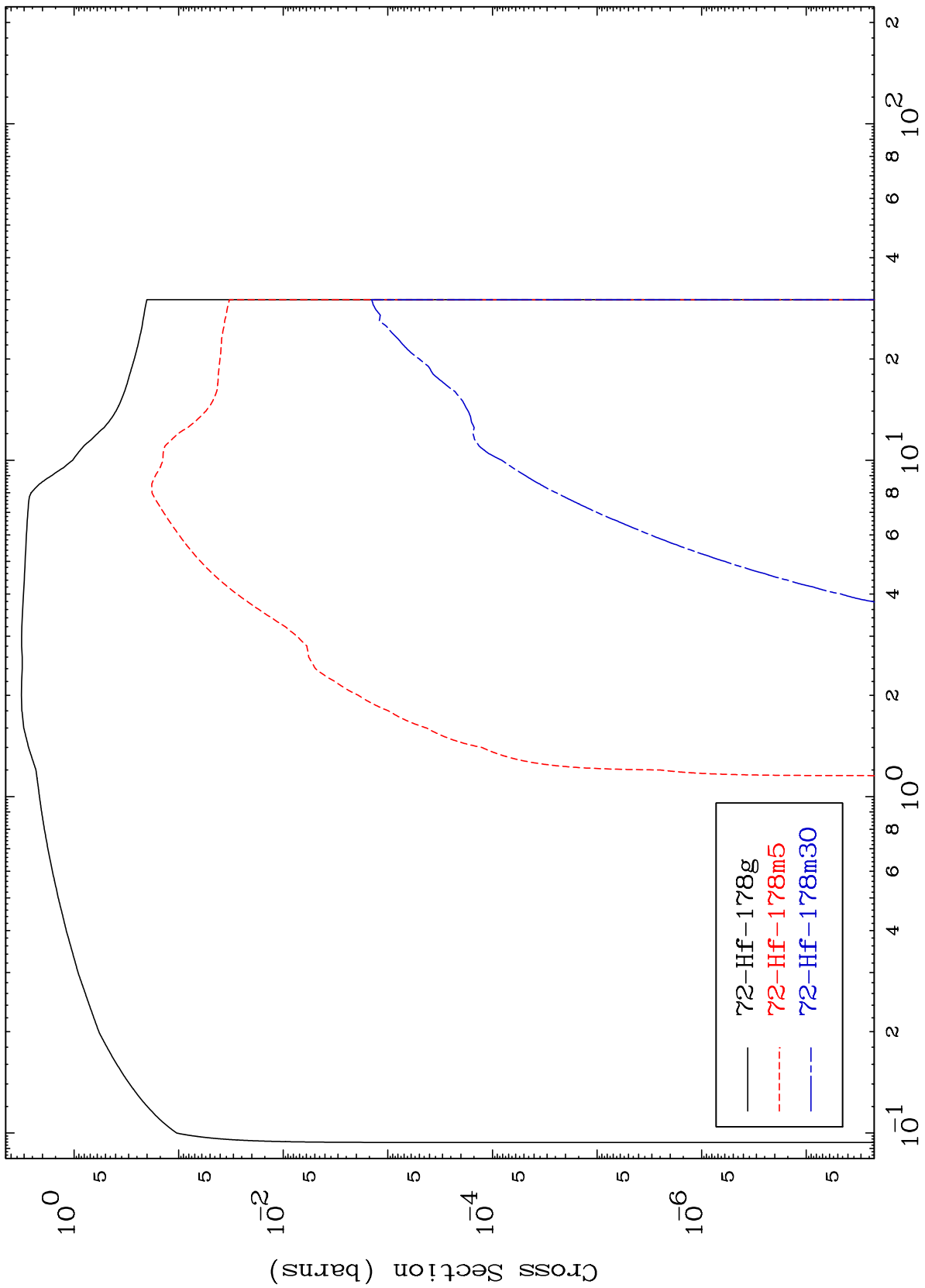
Incident Energy (MeV)

72-Hf-178

MAT 7237

72-Hf-178

Inelastic
Radionuclide Production Cross Section



72-Hf-178

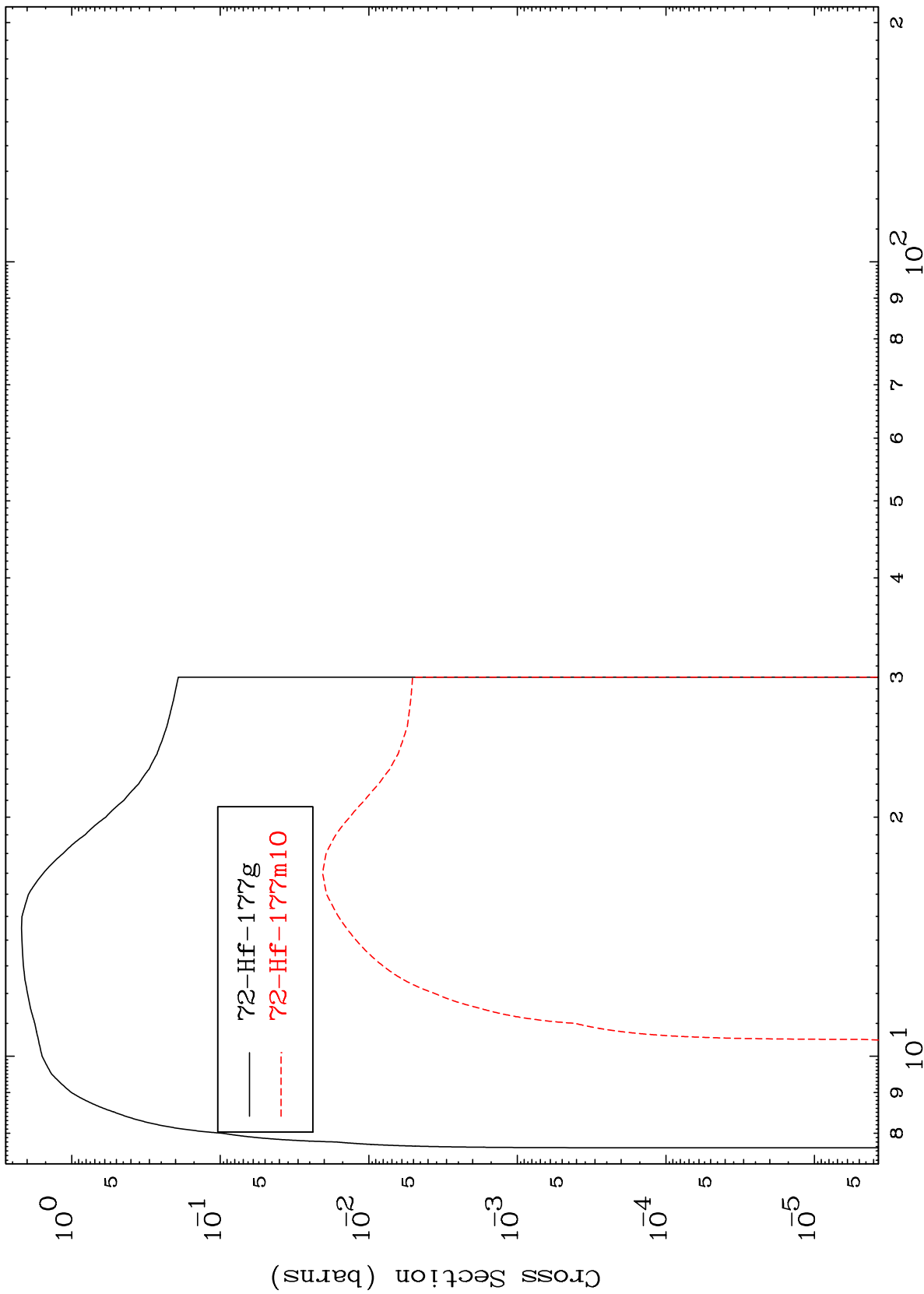
Incident Energy (MeV)

123

MAT 7237

72-Hf-178

(n,2n)
Radionuclide Production Cross Section



124

Incident Energy (MeV)

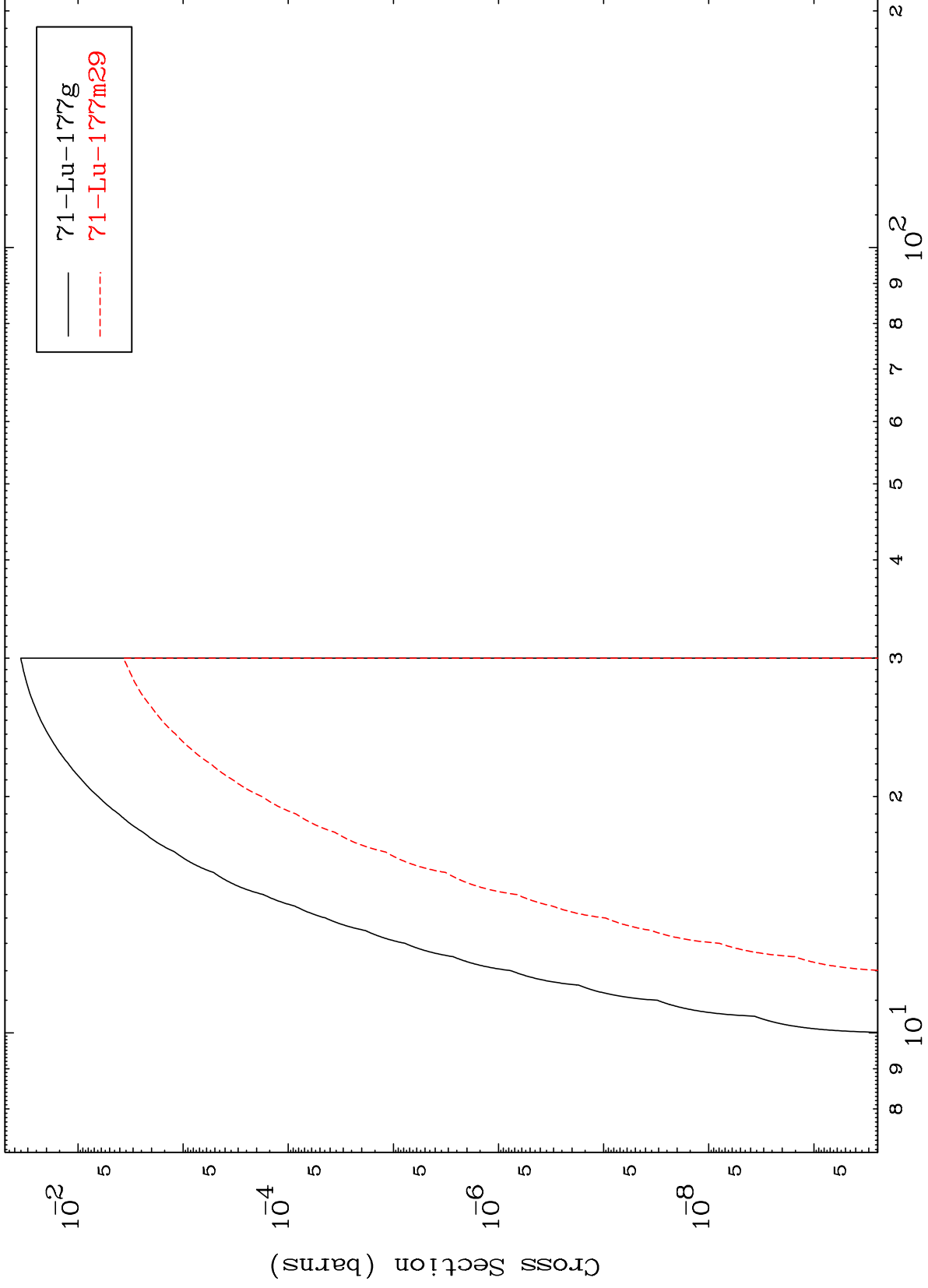
72-Hf-178

MAT 7237

(n,n') p

72-Hf-178

Radionuclide Production Cross Section

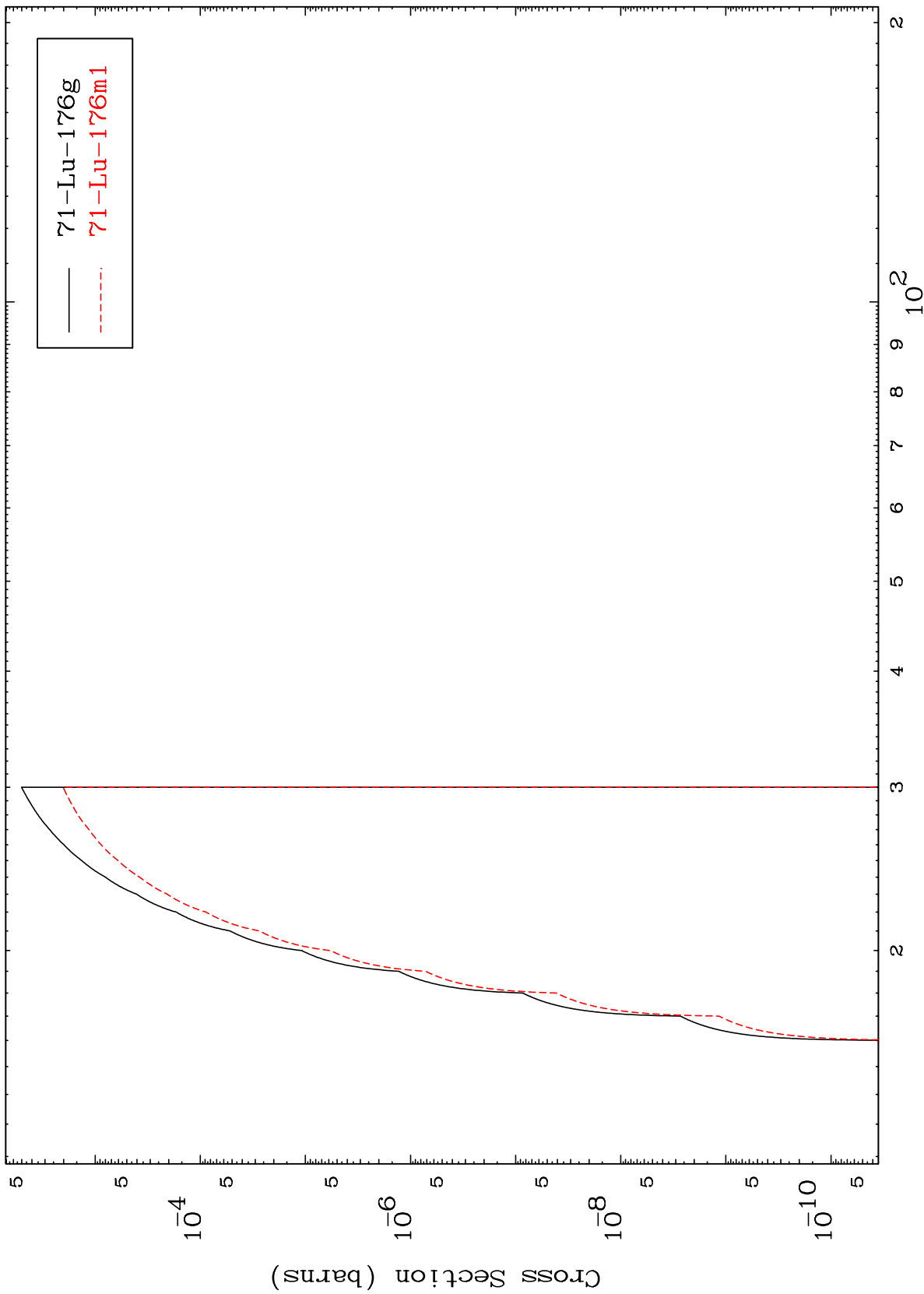


125

Incident Energy (MeV)

72-Hf-178

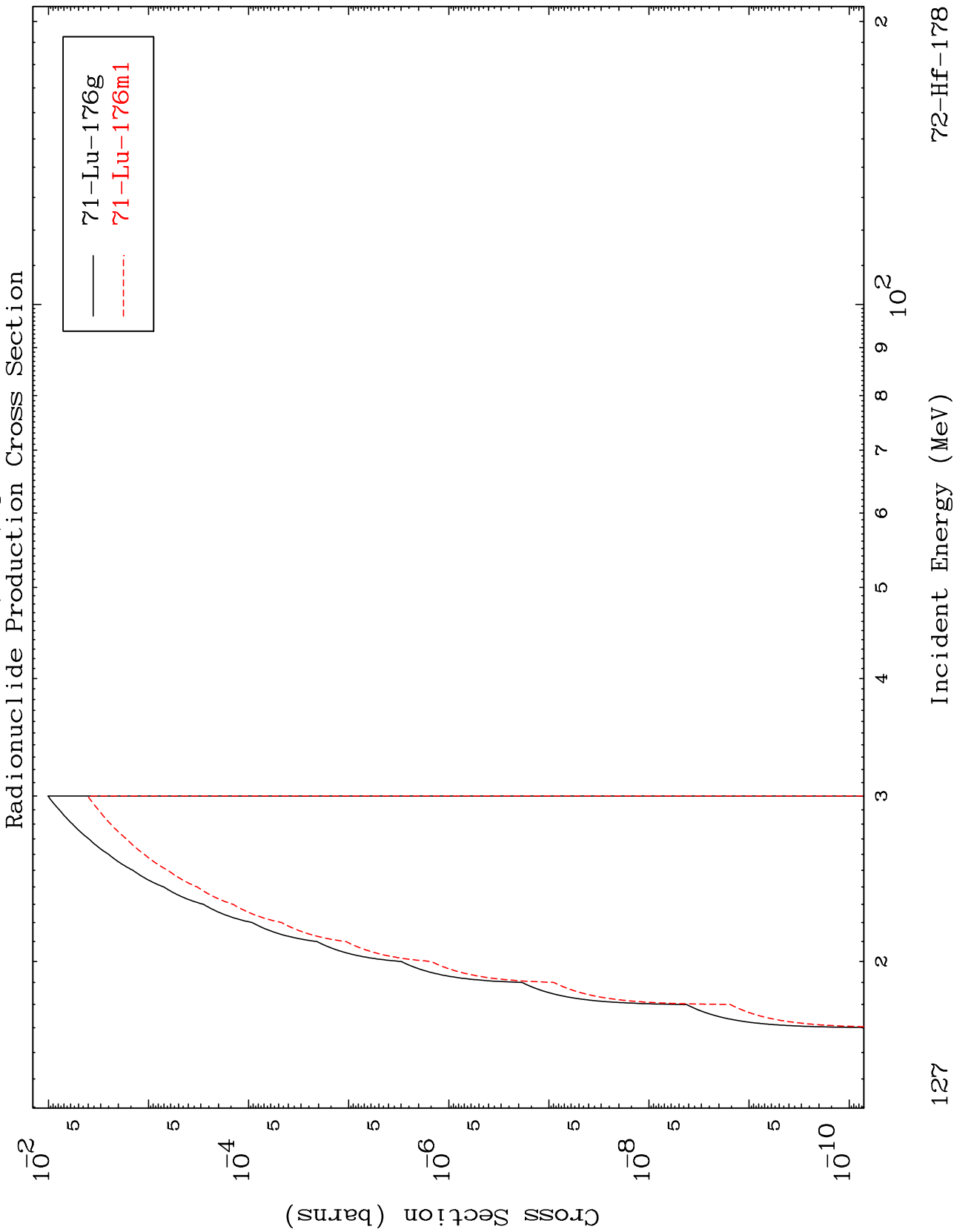
Radionuclide Production Cross Section



MAT 7237

(n,2n) p

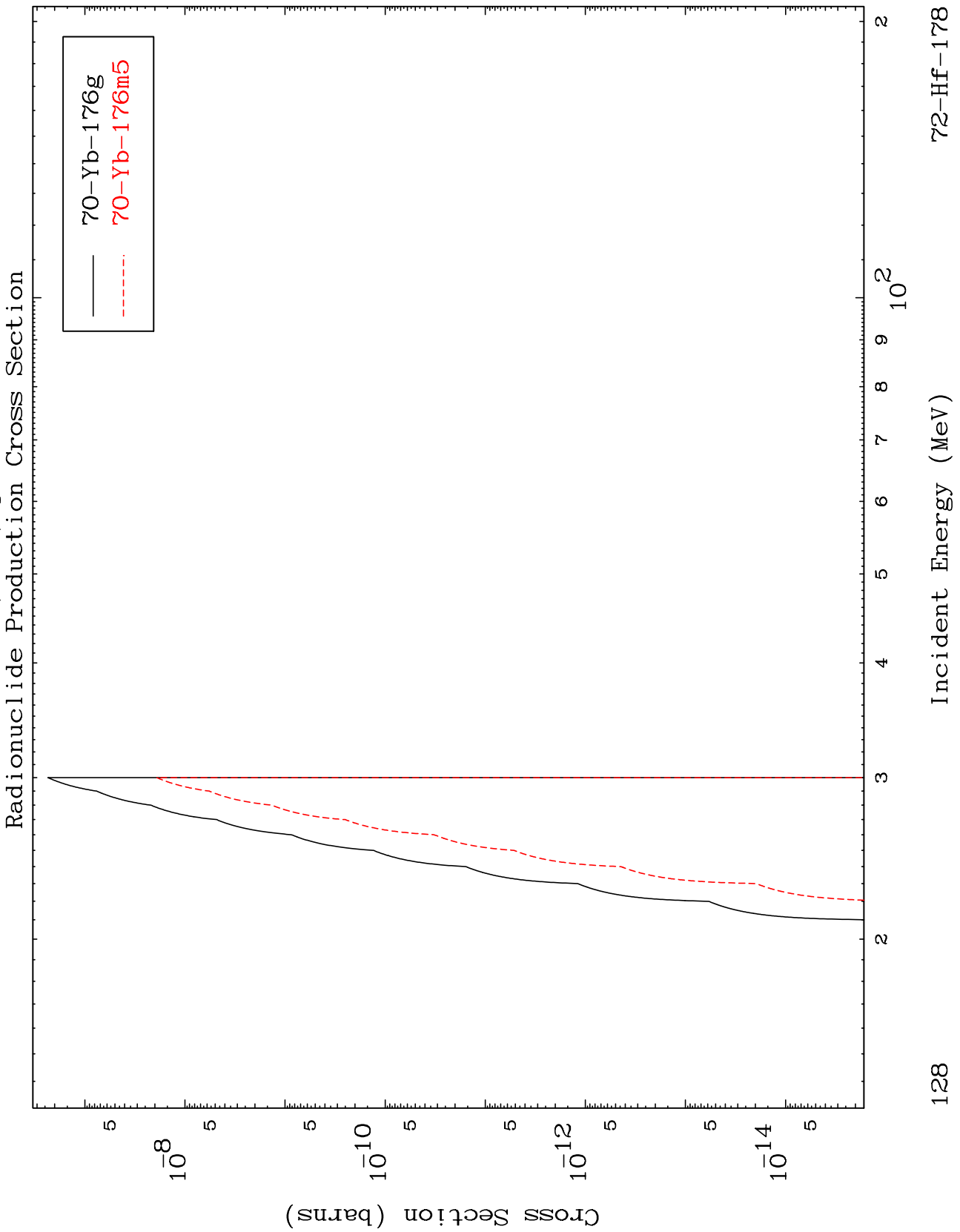
72-Hf-178



127

Incident Energy (MeV)

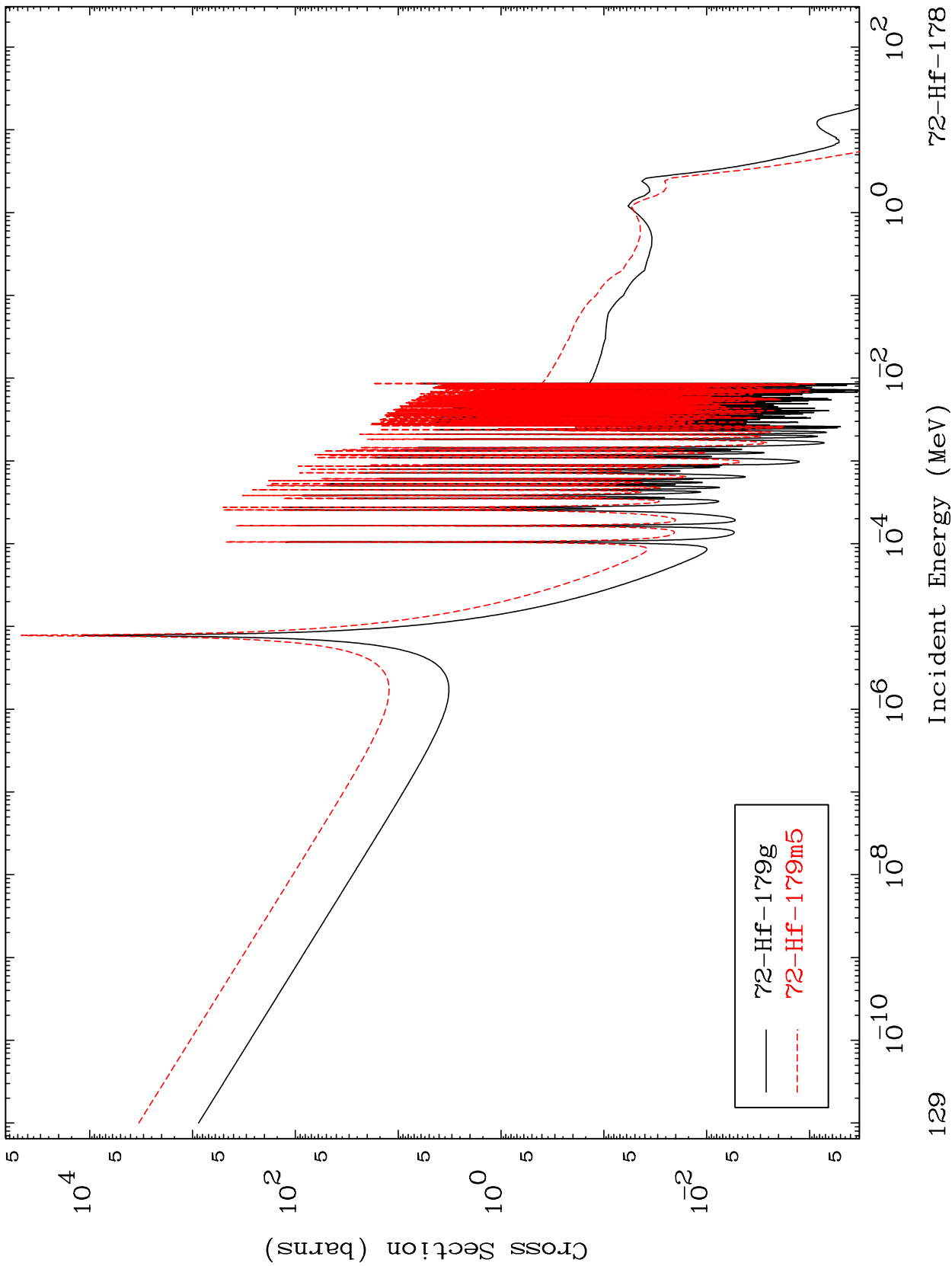
72-Hf-178



MAT 7237

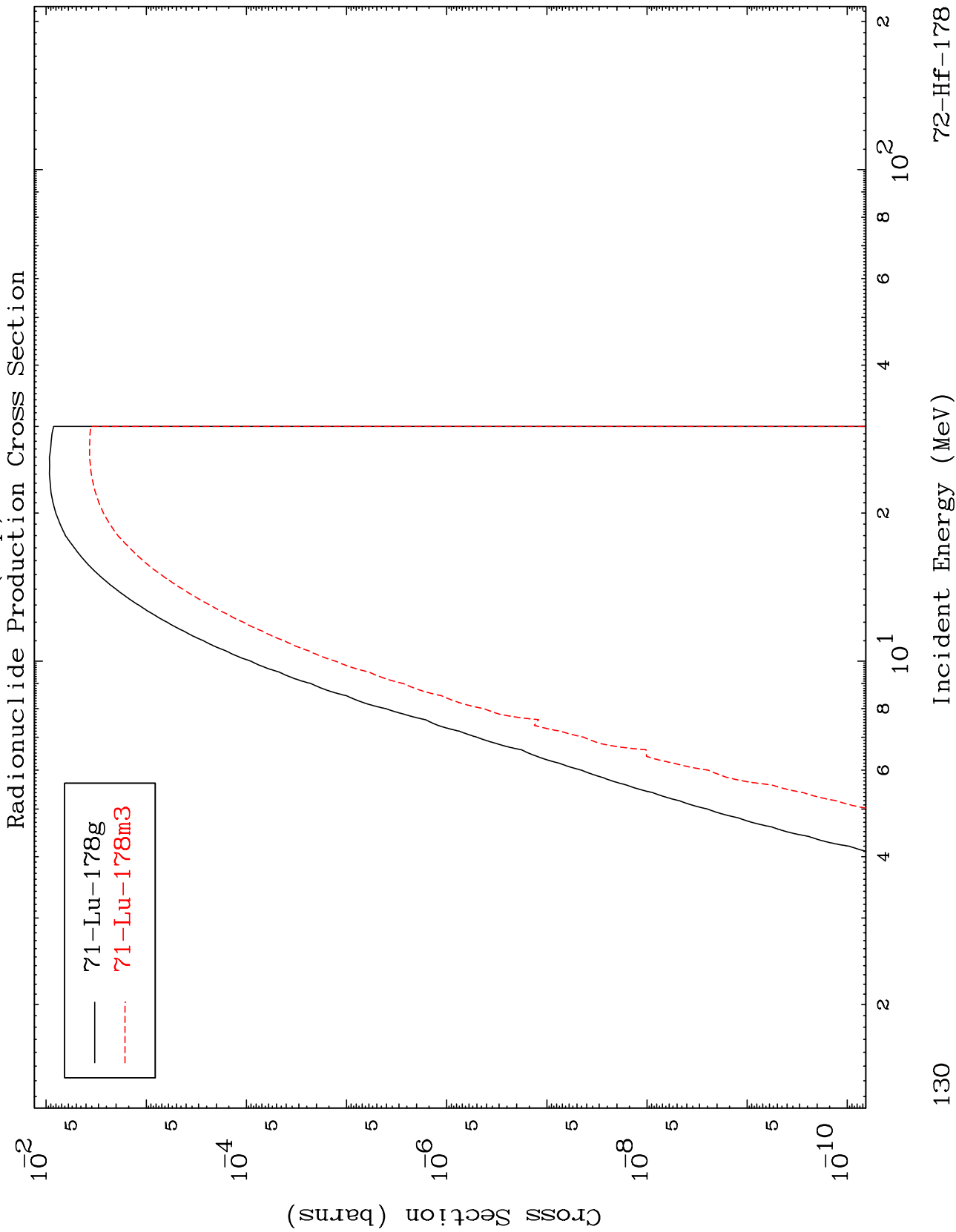
72-Hf-178

(n, γ)
Radionuclide Production Cross Section



MAT 7237

72-Hf-178



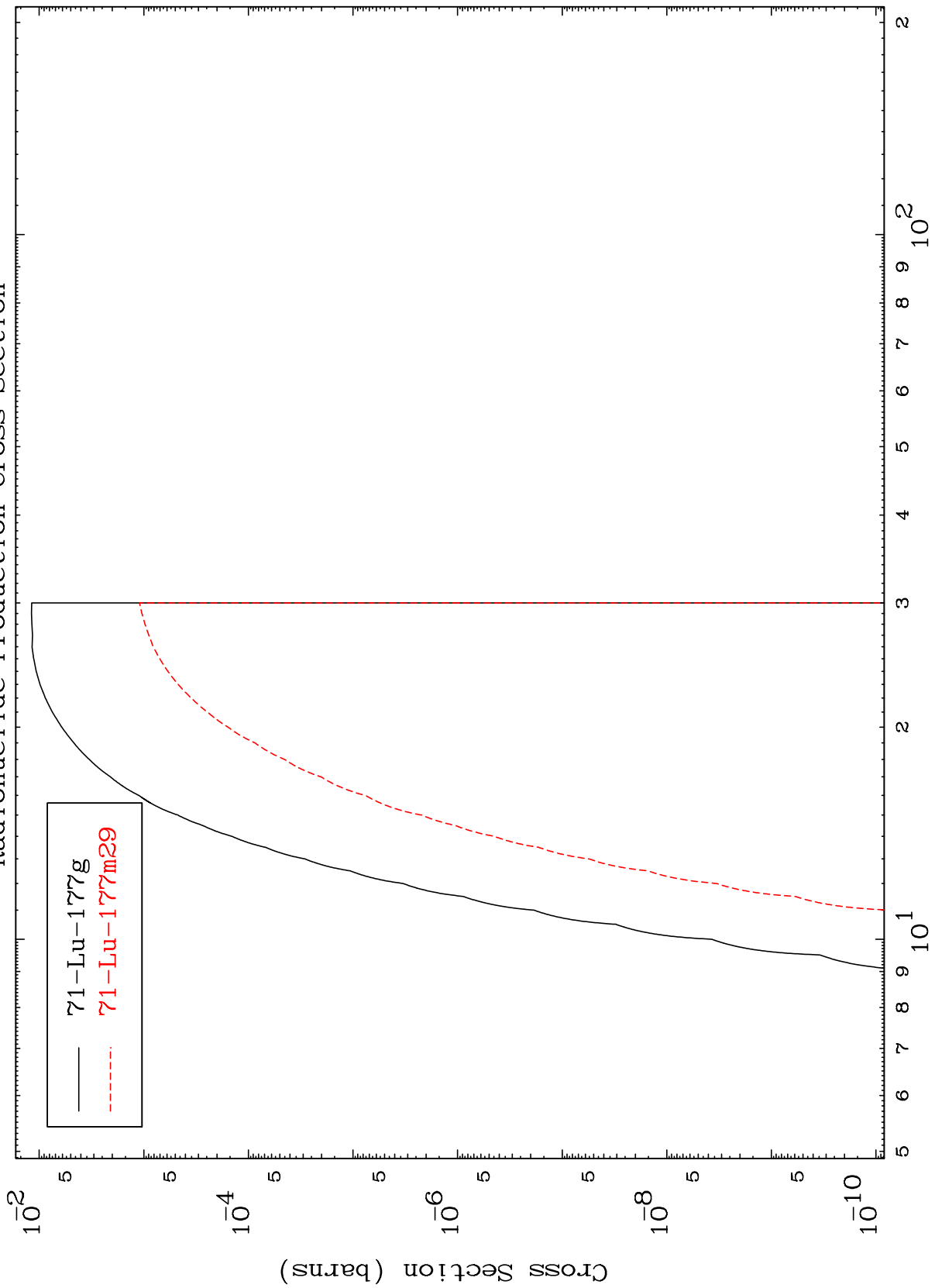
— 71-Lu-178g
- - - 71-Lu-178m3

MAT 7237

(n,d)

72-Hf-178

Radionuclide Production Cross Section



71-Lu-177g
71-Lu-177m29

131

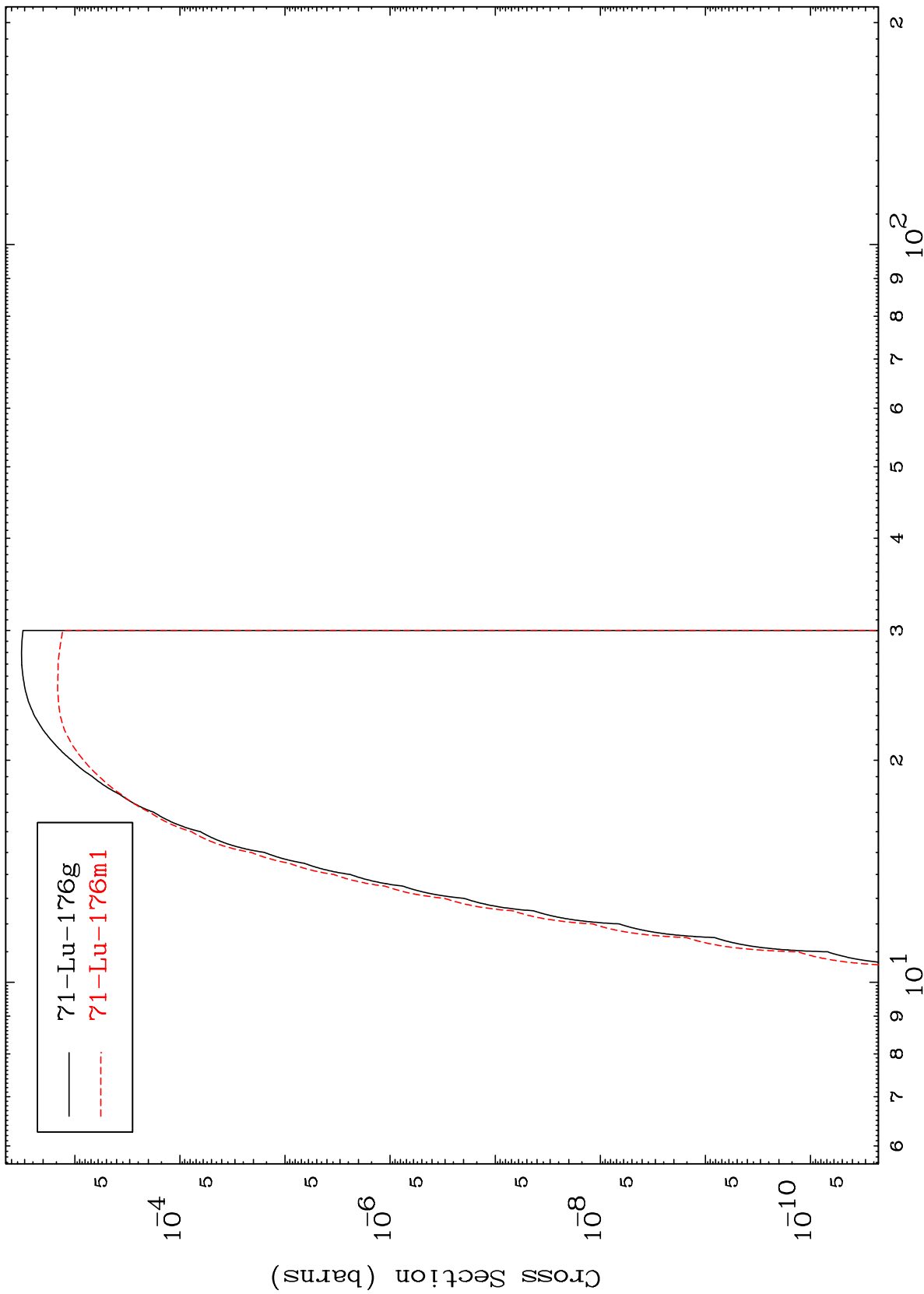
Incident Energy (MeV)

72-Hf-178

MAT 7237

72-Hf-178

(n, t)
Radionuclide Production Cross Section



132

Incident Energy (MeV)

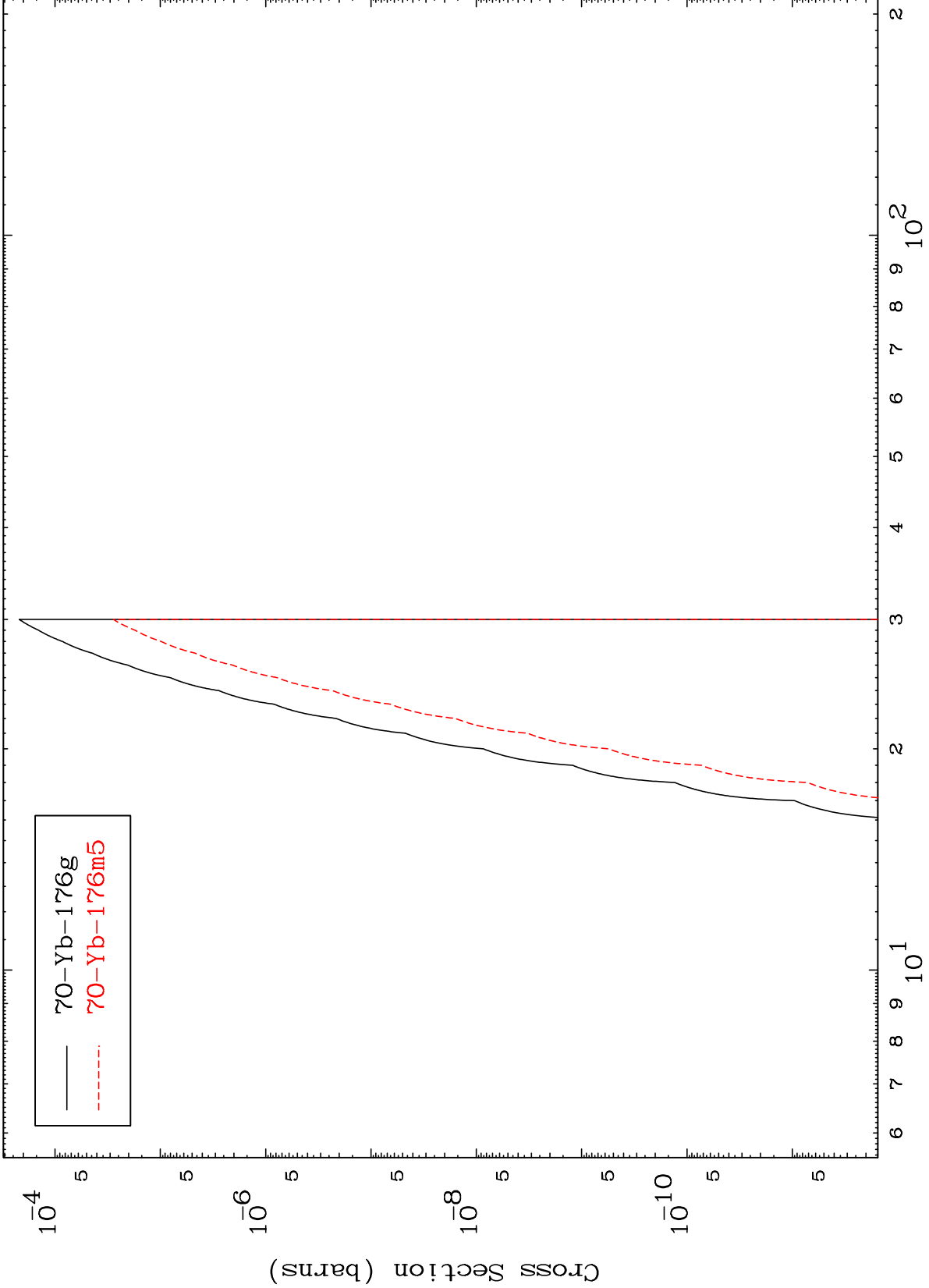
72-Hf-178

MAT 7237

(n,He-3)

72-Hf-178

Radionuclide Production Cross Section



— $^{70}\text{Yb-176g}$
- - - $^{70}\text{Yb-176m5}$

133

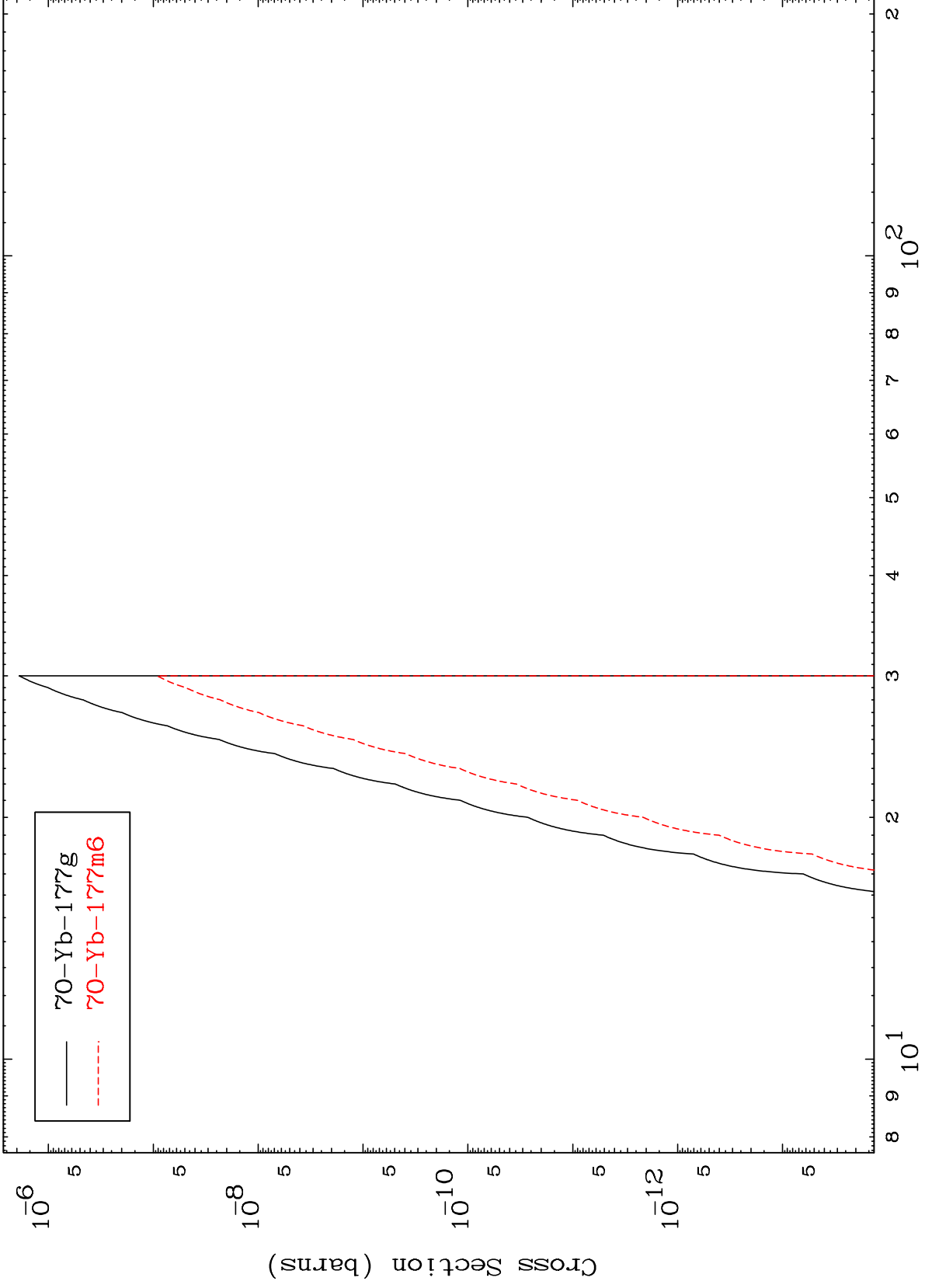
Incident Energy (MeV)

72-Hf-178

MAT 7237

72-Hf-178

(n,2p)
Radionuclide Production Cross Section



134

Incident Energy (MeV)

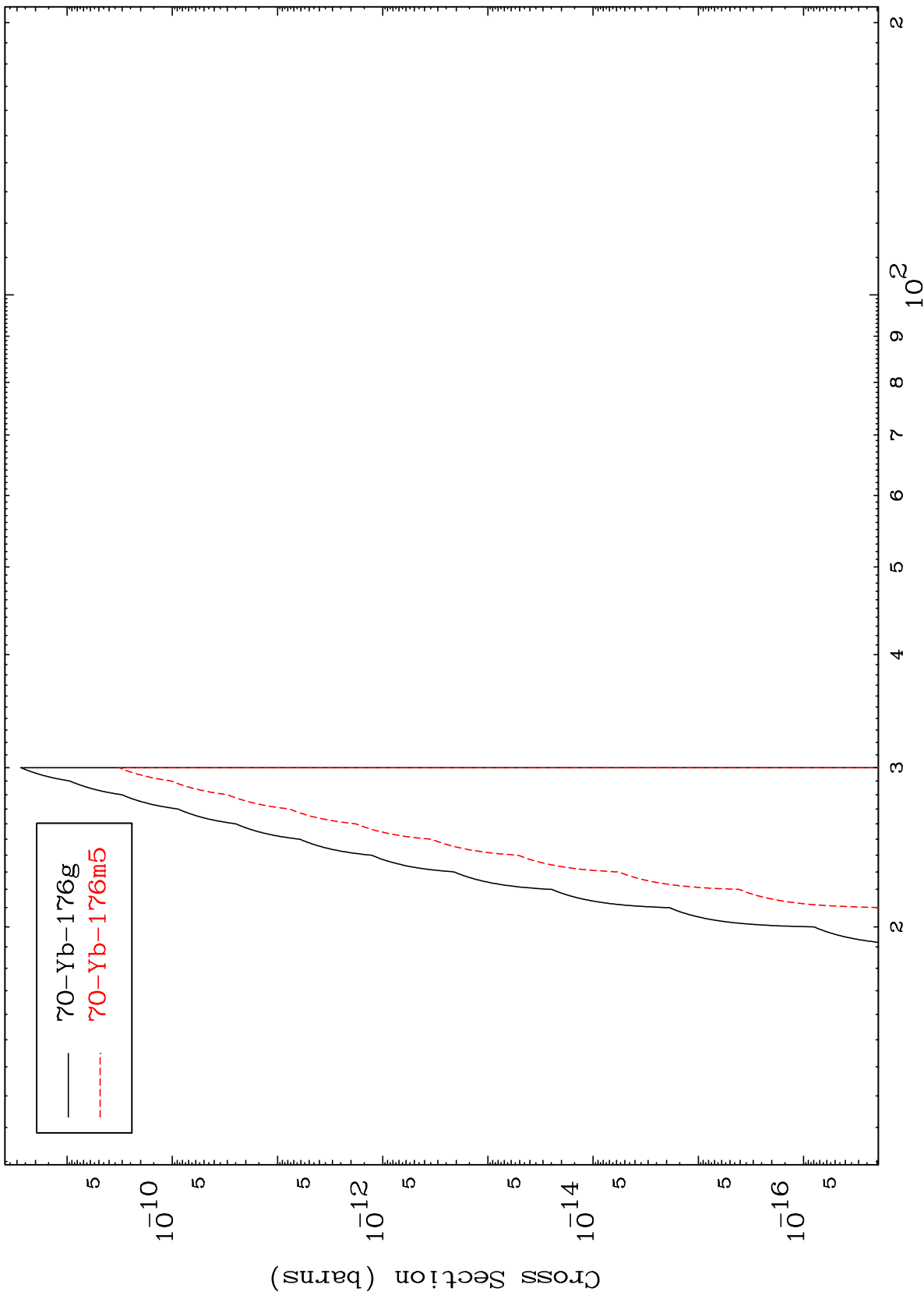
72-Hf-178

MAT 7237

(n,p) d

72-Hf-178

Radionuclide Production Cross Section



135

Incident Energy (MeV)

72-Hf-178