

Program EVALPLOT
(Version 2021-1)

by

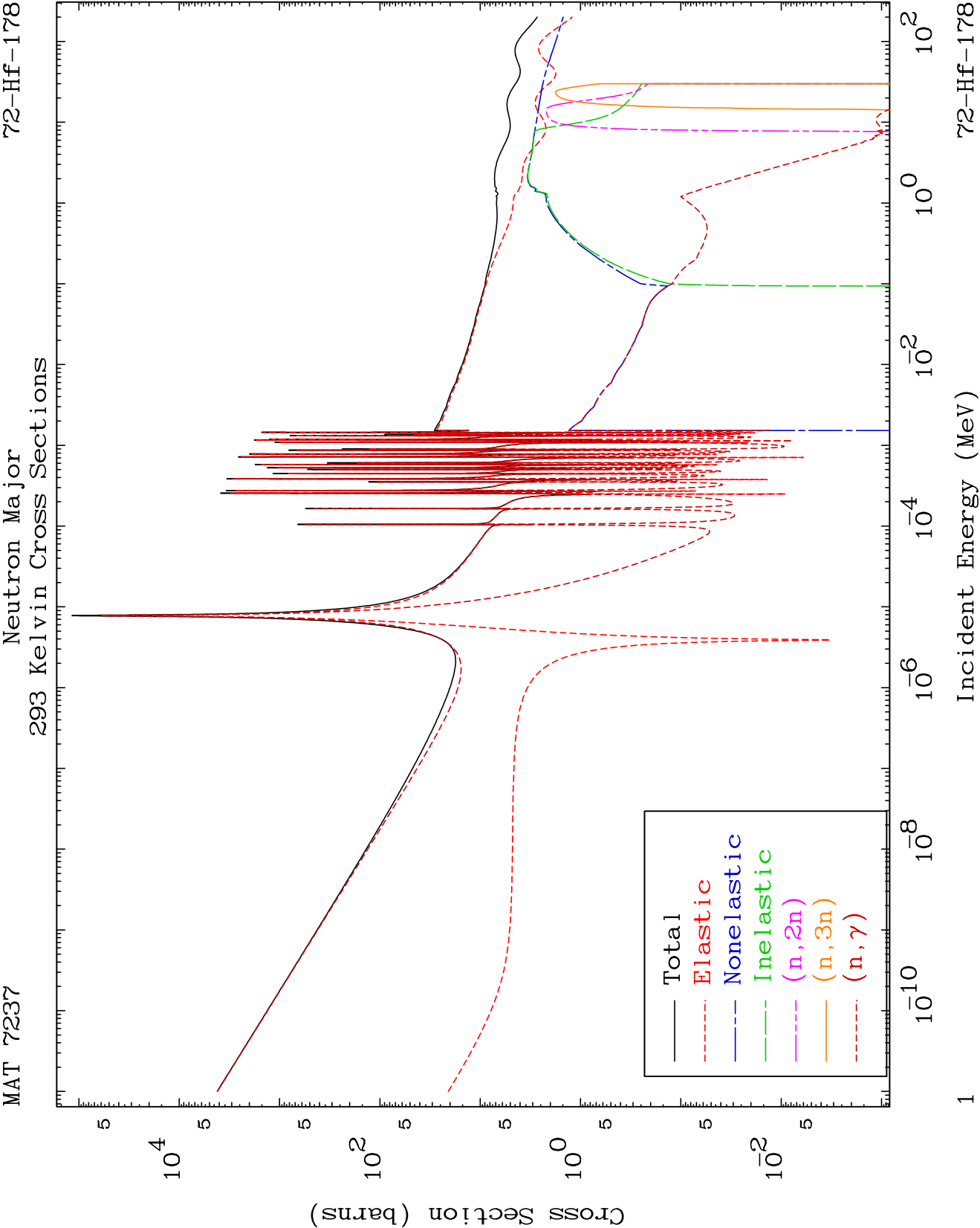
Dermott E. Cullen
(Present Contact Information)

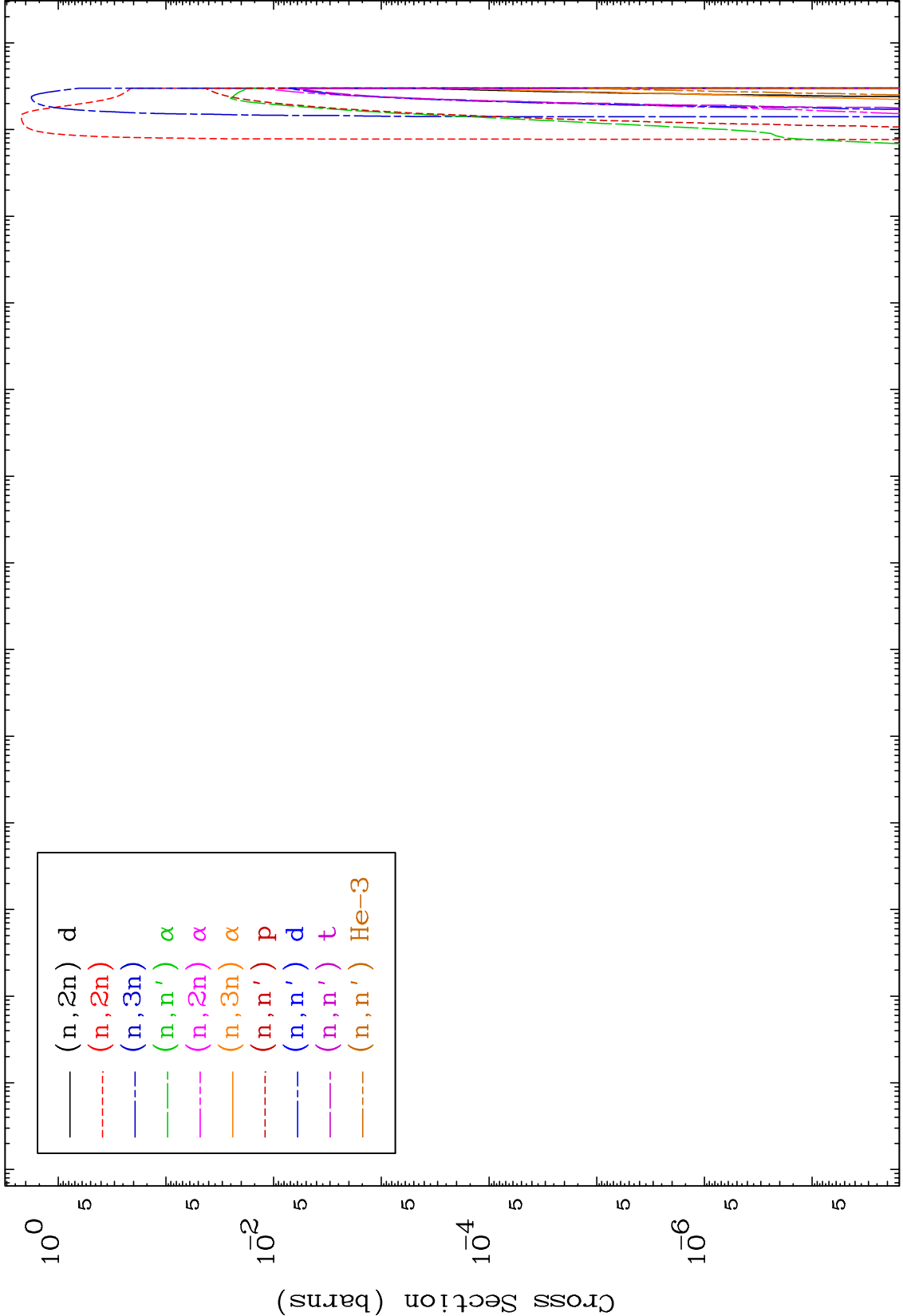
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

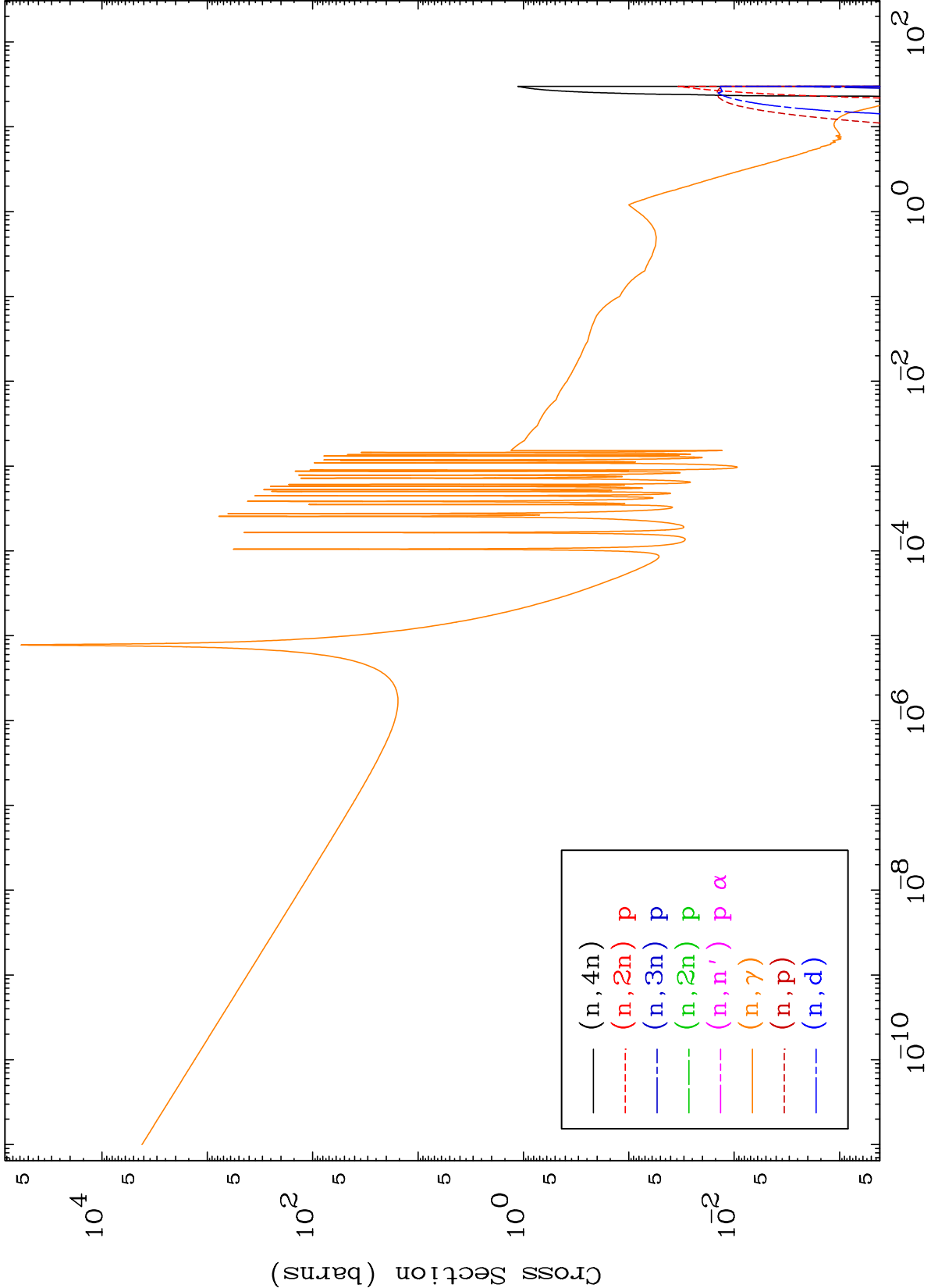
Tele: 925-443-1911

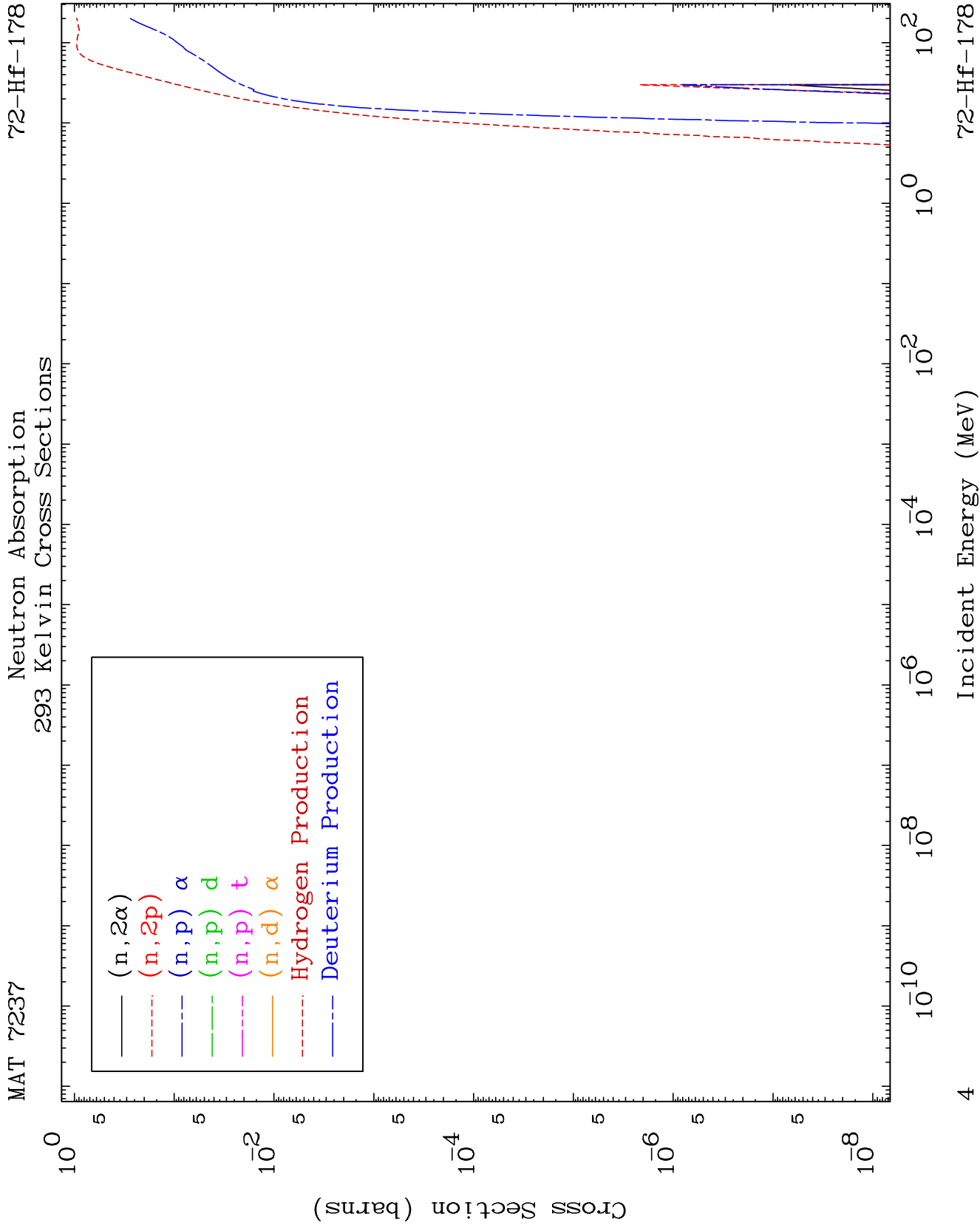
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

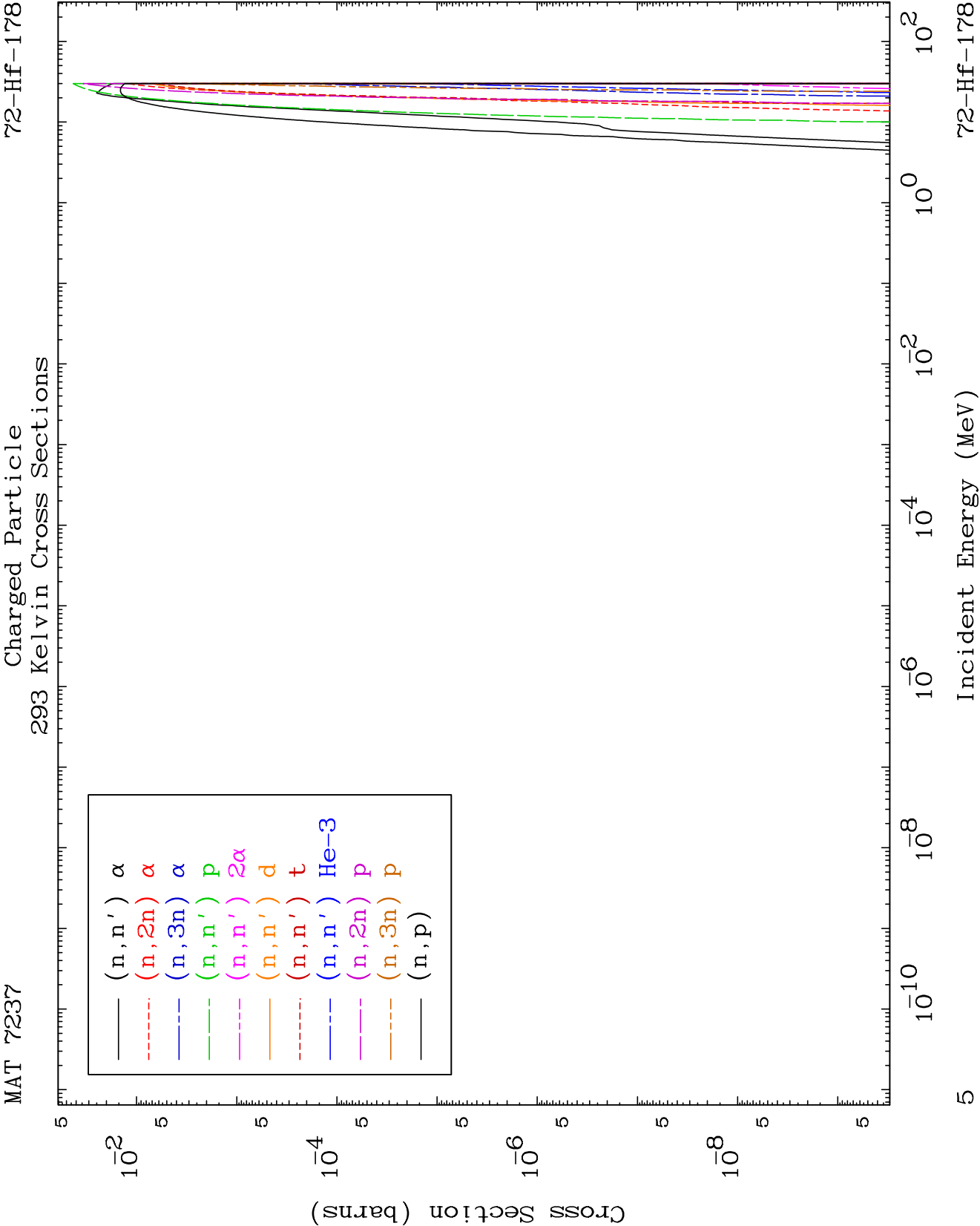
Press Mouse Button to Start

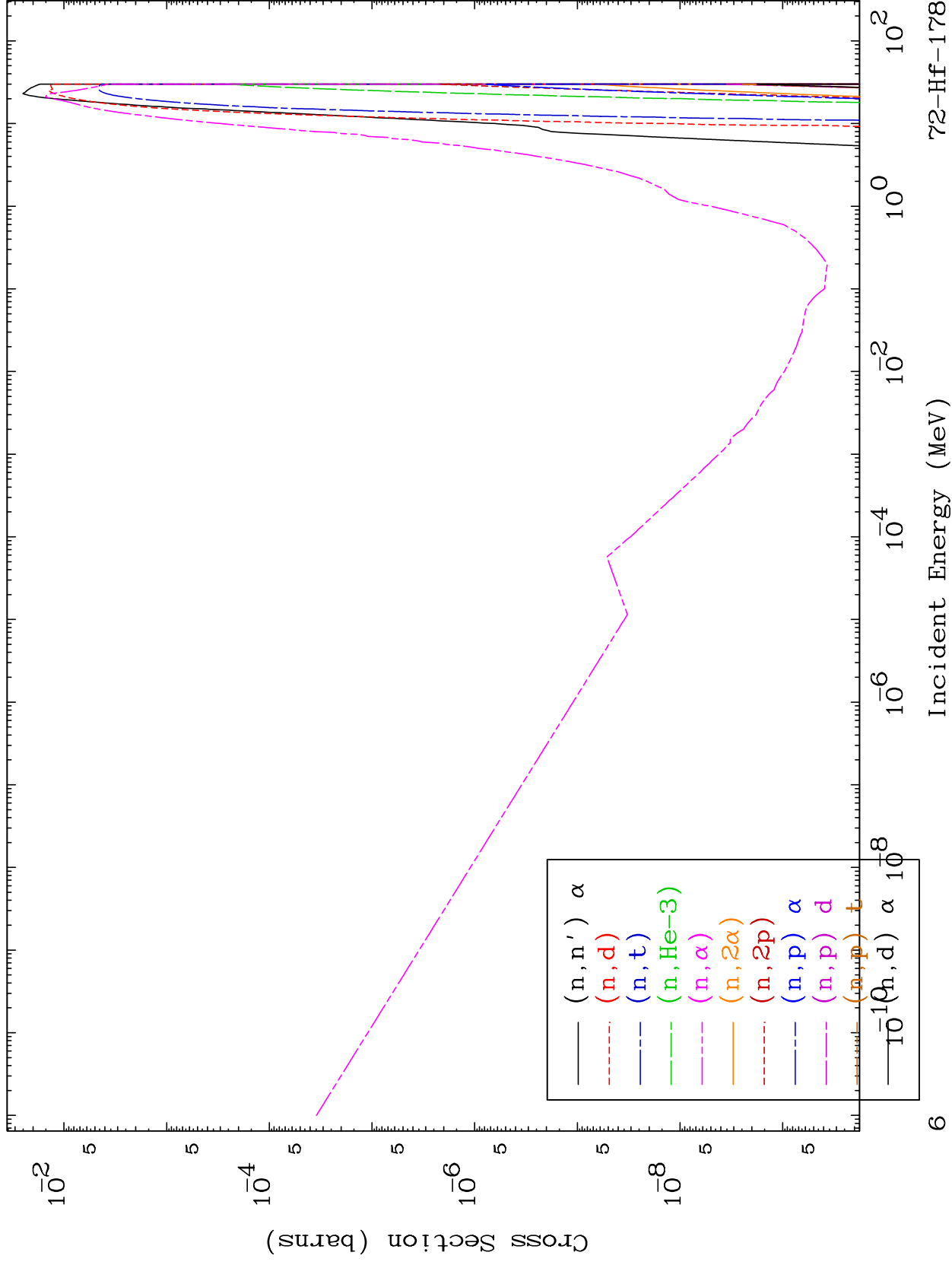


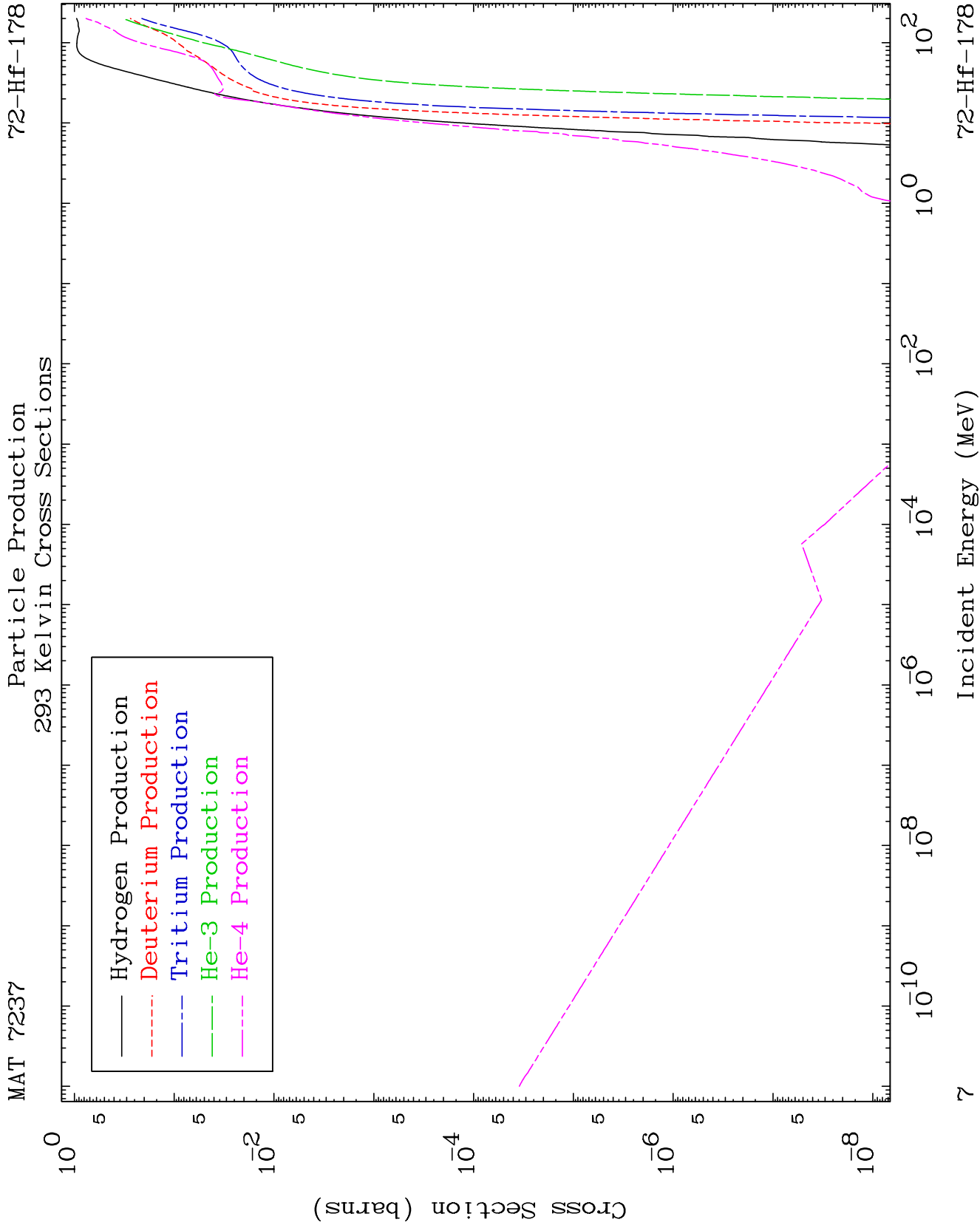


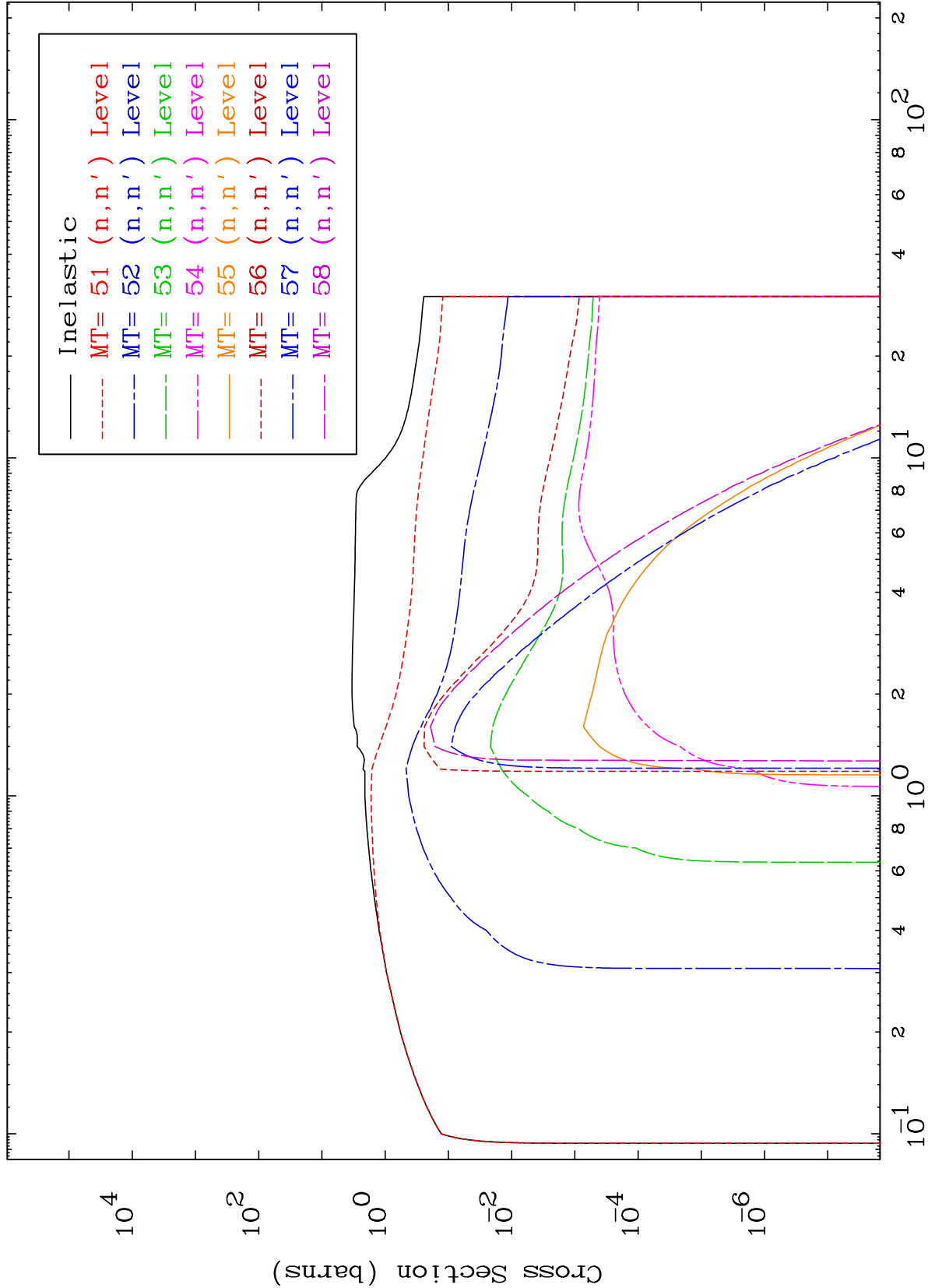


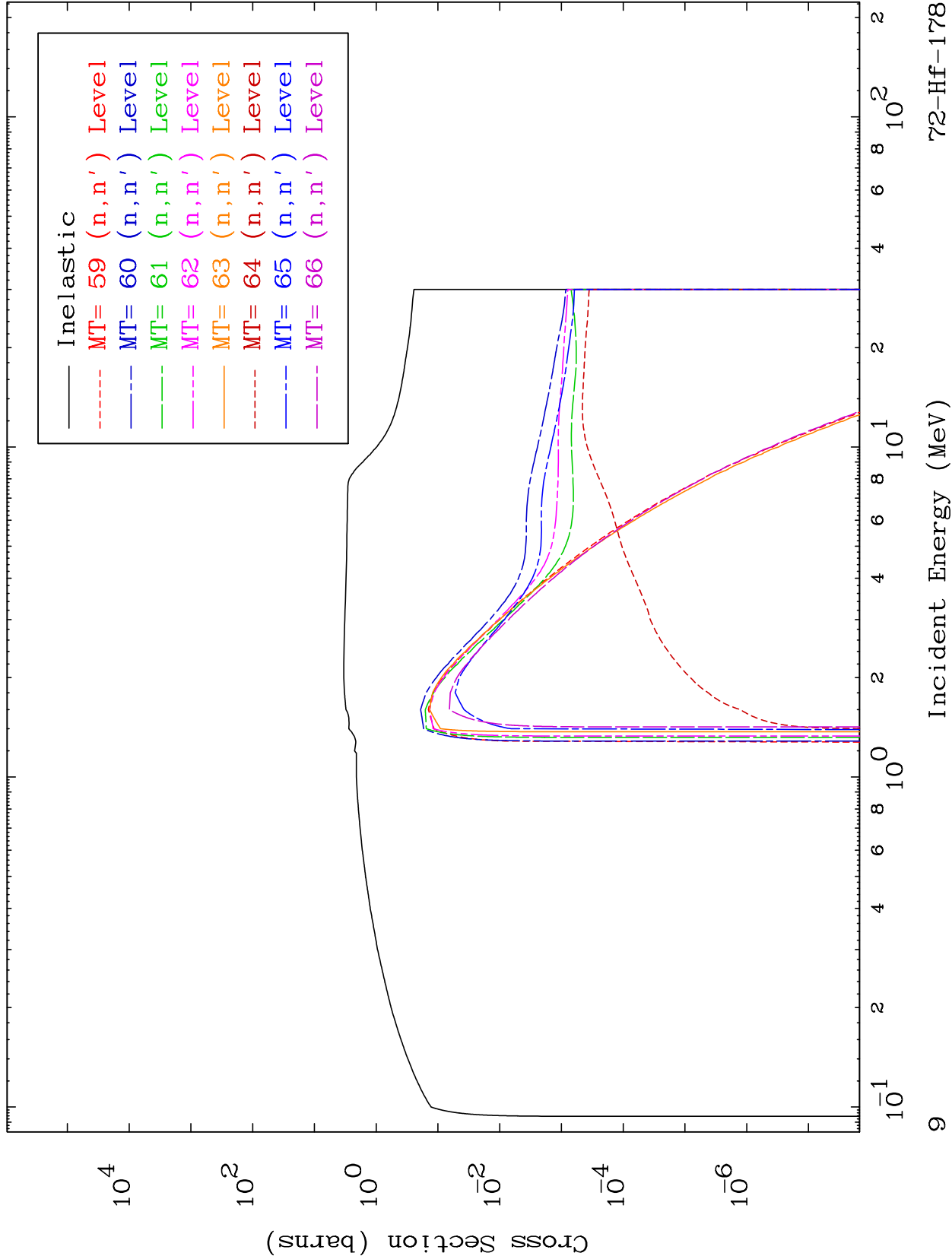


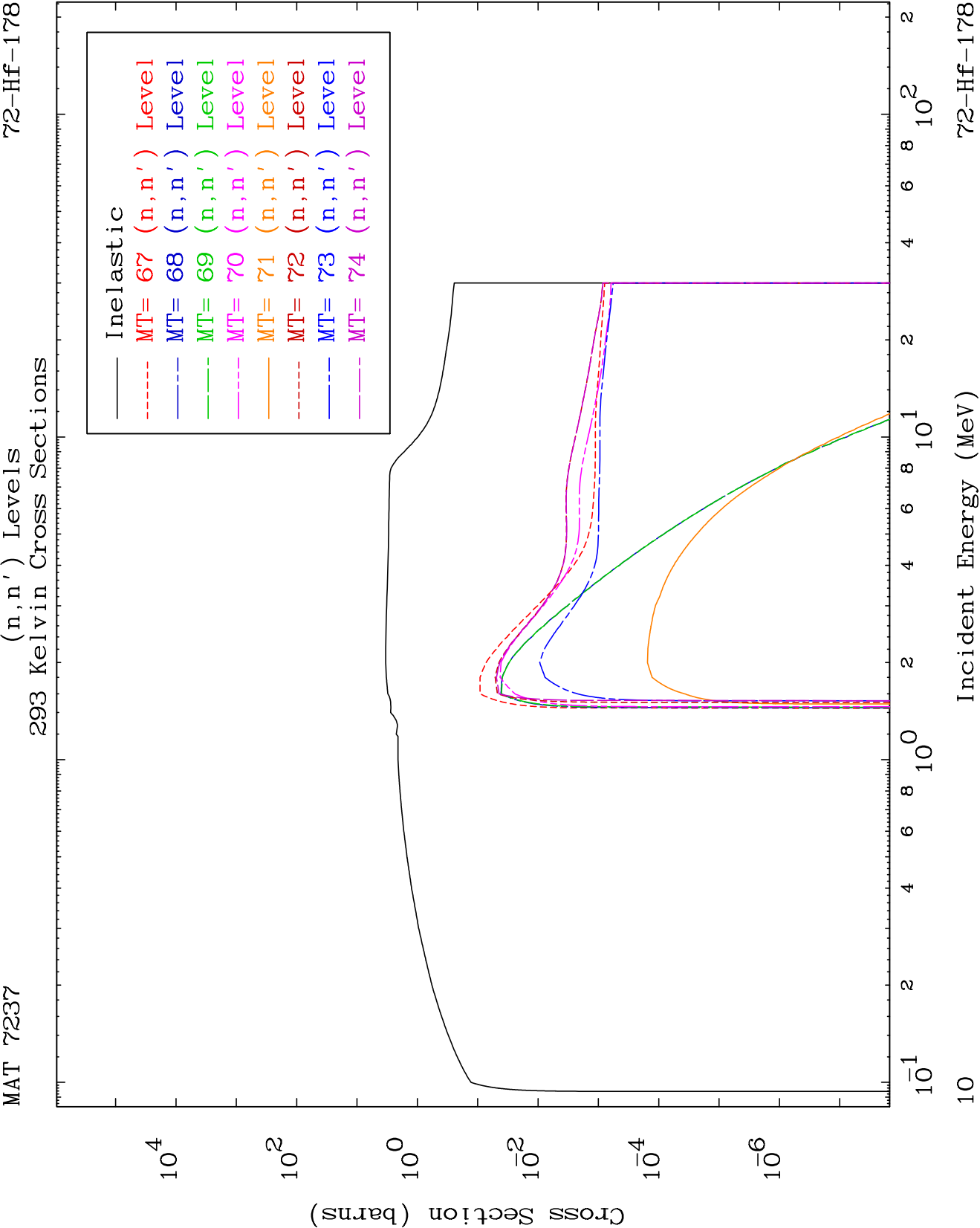










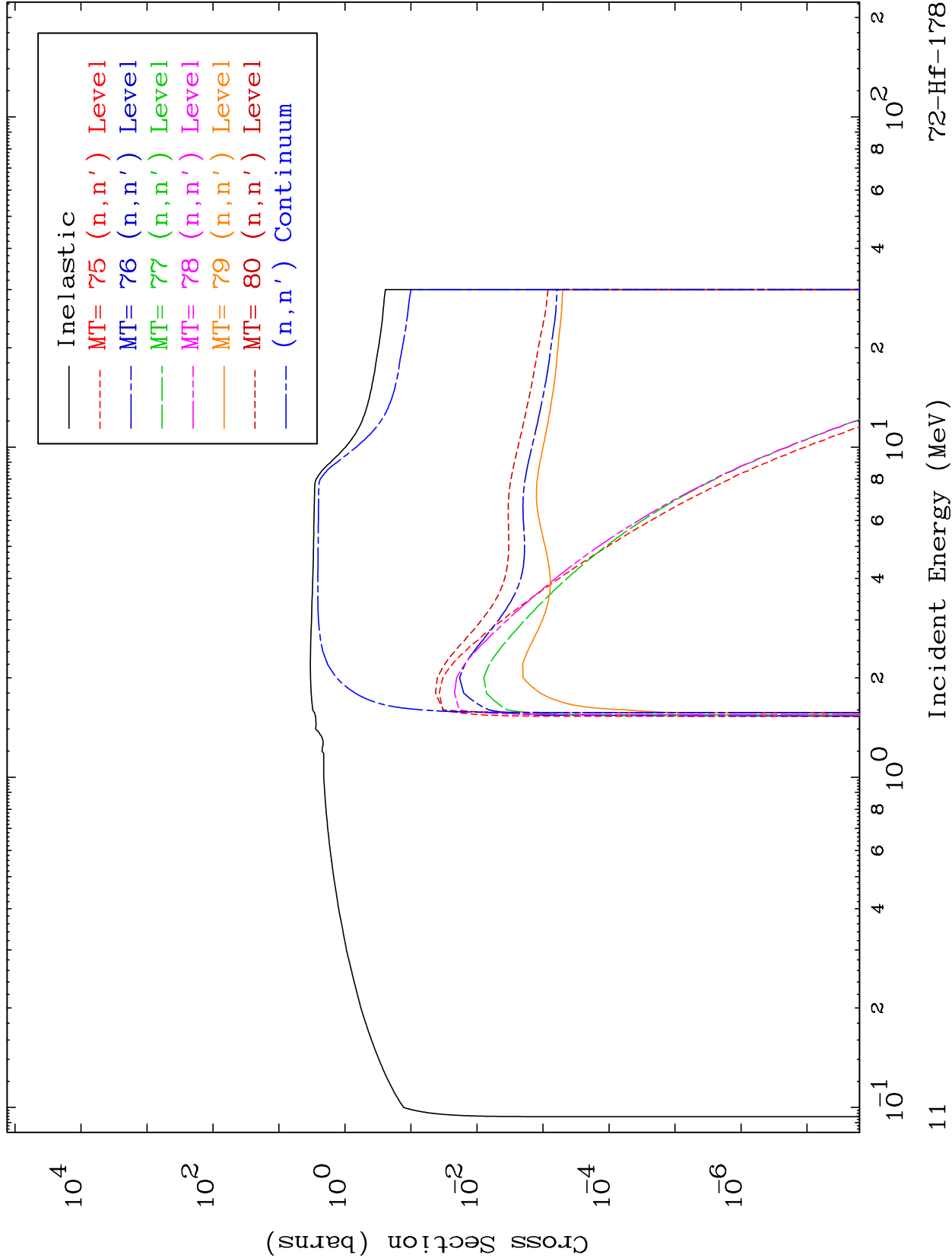


MAT 7237

(n,n') Levels

293 Kelvin Cross Sections

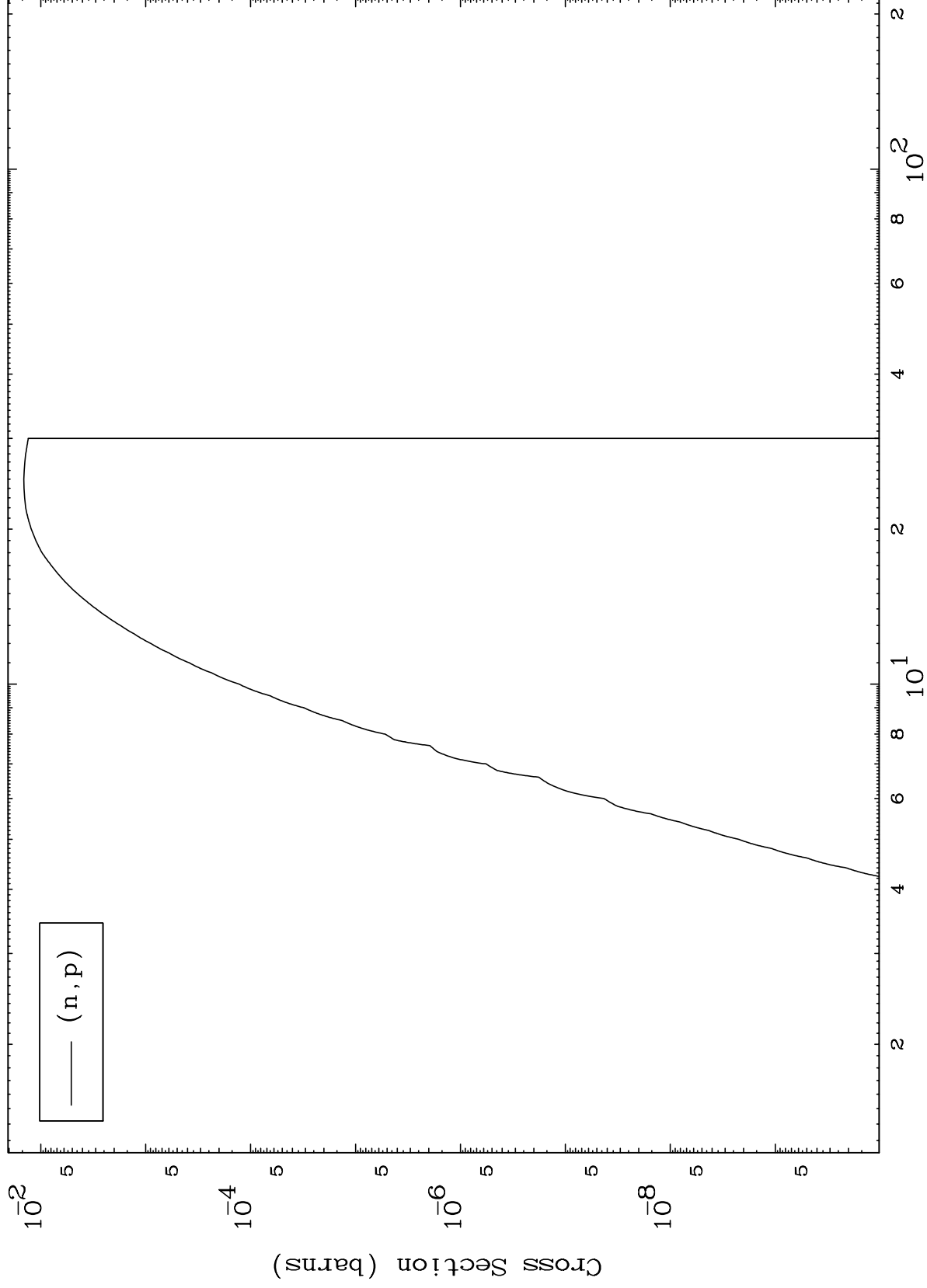
72-Hf-178



MAT 7237

72-Hf-178

(n,p) Levels
293 Kelvin Cross Sections



72-Hf-178

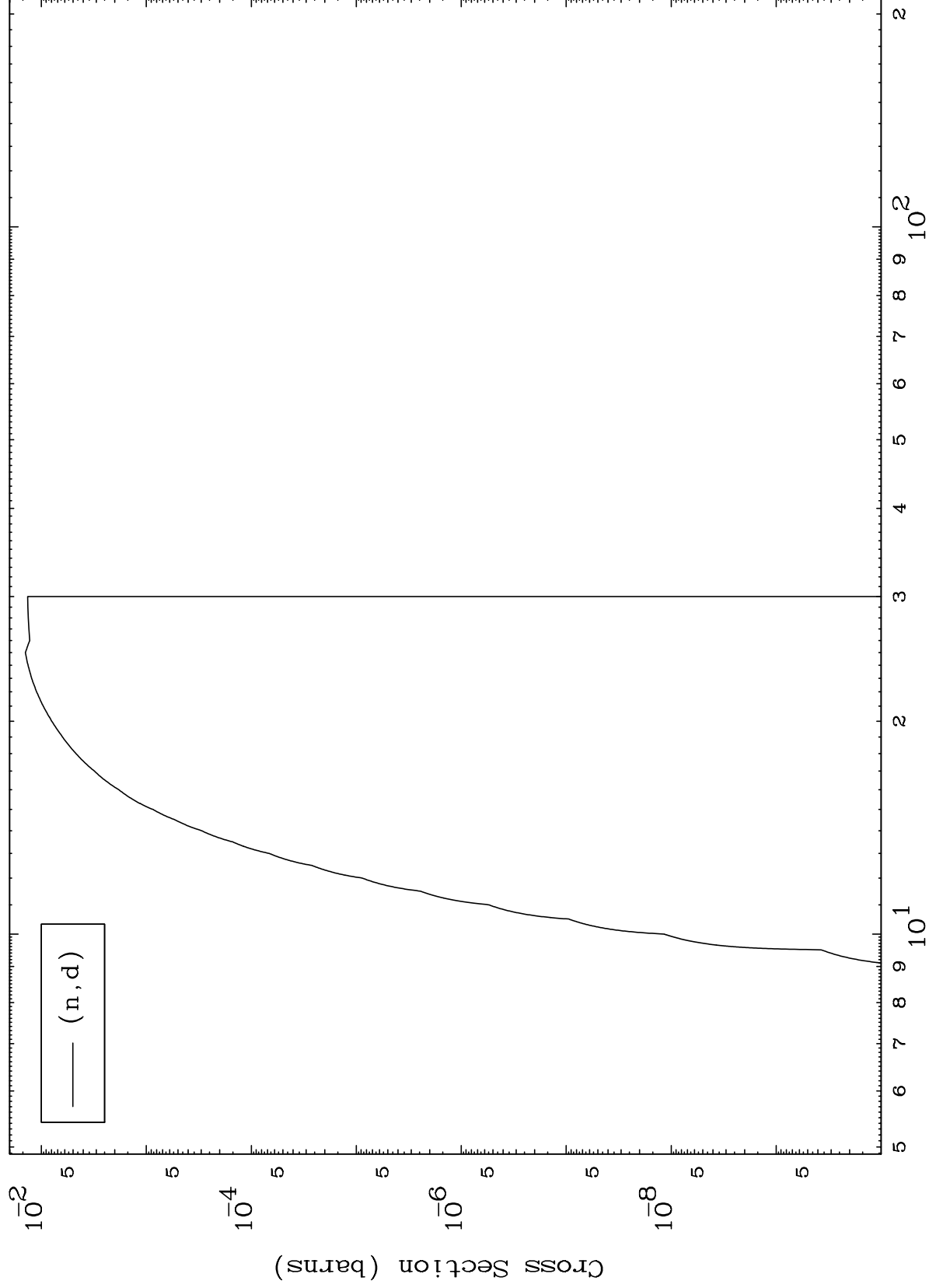
Incident Energy (MeV)

12

MAT 7237

72-Hf-178

(n,d) Levels
293 Kelvin Cross Sections



13

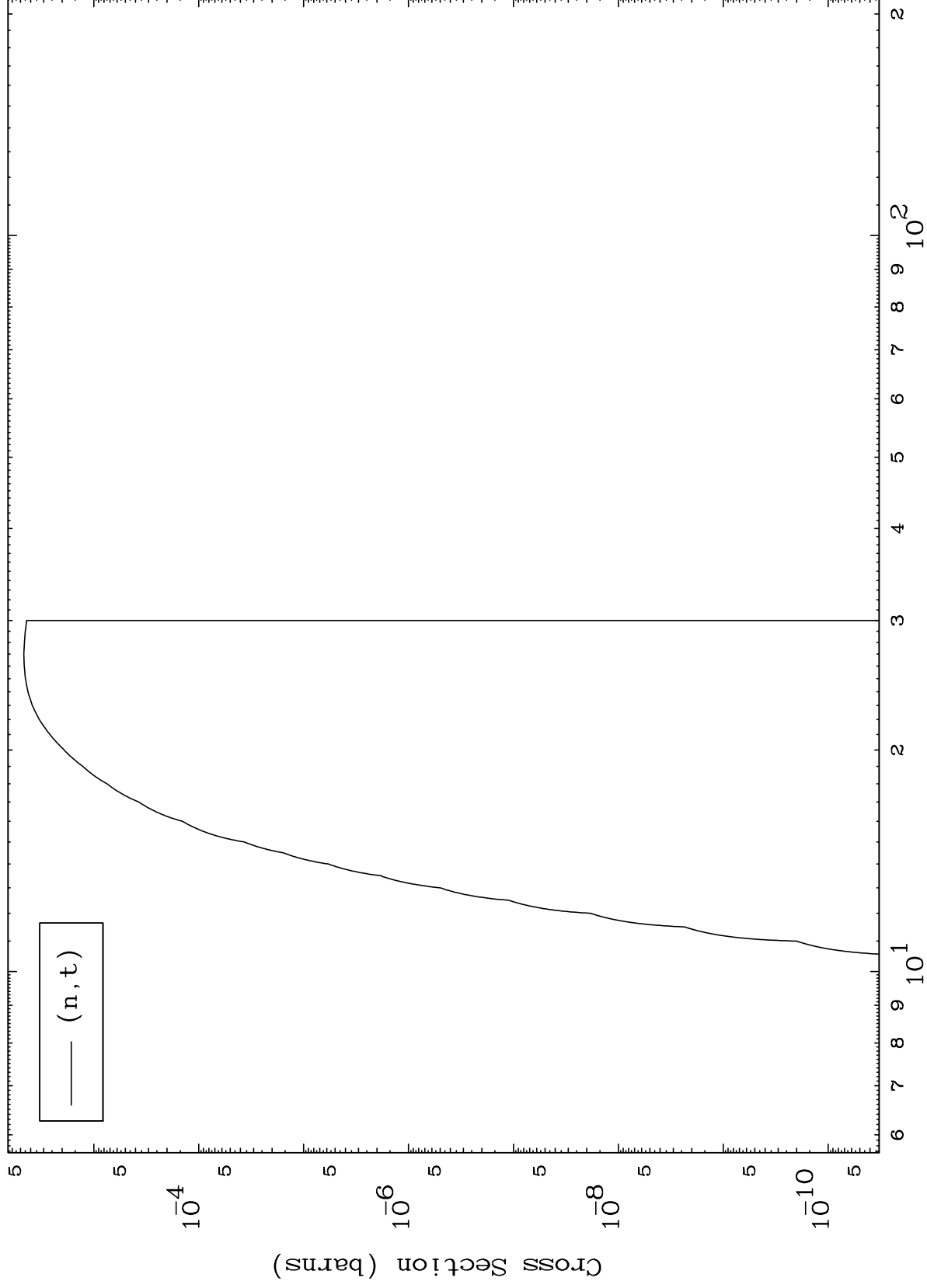
Incident Energy (MeV)

72-Hf-178

MAT 7237

(n,t) Levels
293 Kelvin Cross Sections

72-Hf-178



14

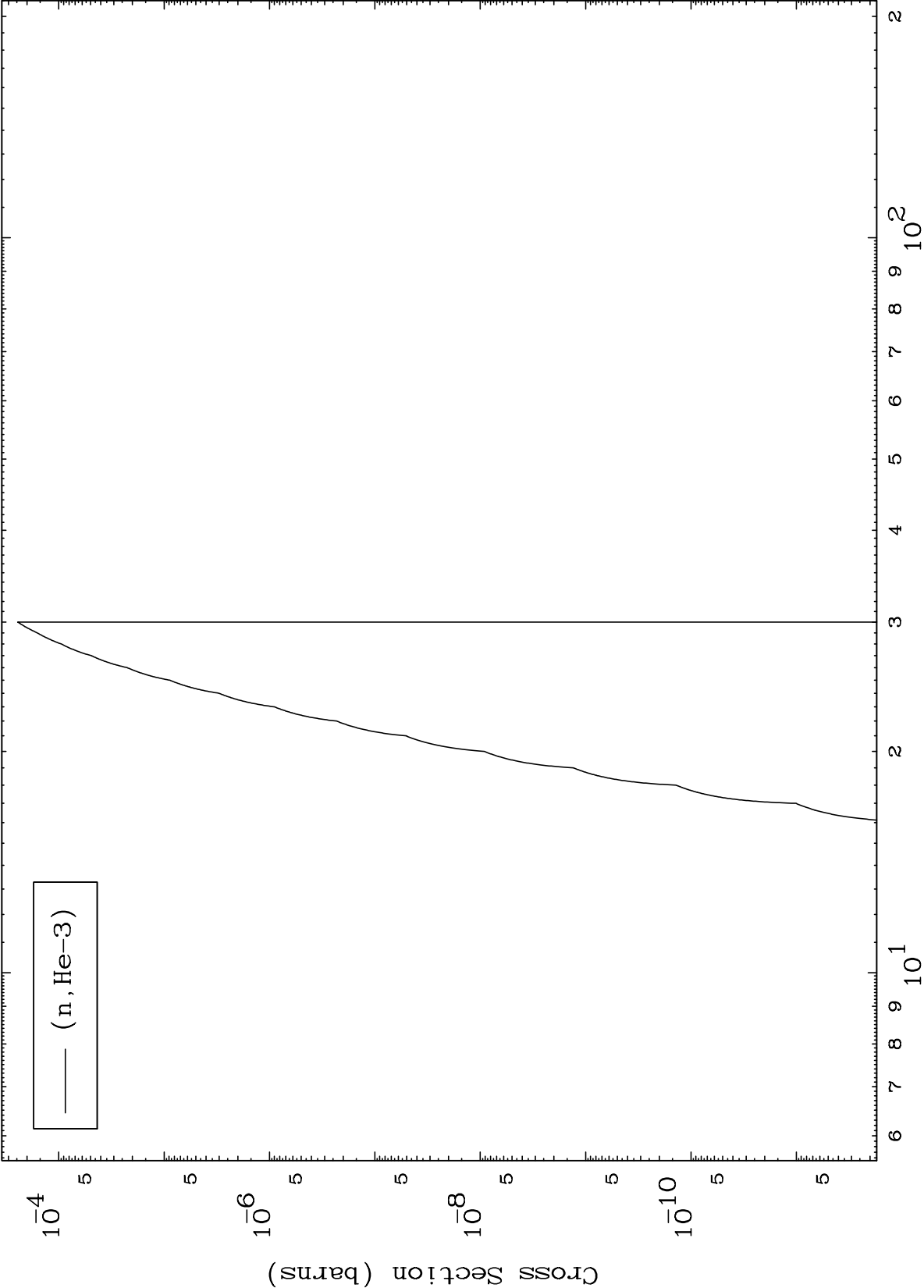
Incident Energy (MeV)

72-Hf-178

MAT 7237

(n,He3) Levels
293 Kelvin Cross Sections

72-Hf-178



15

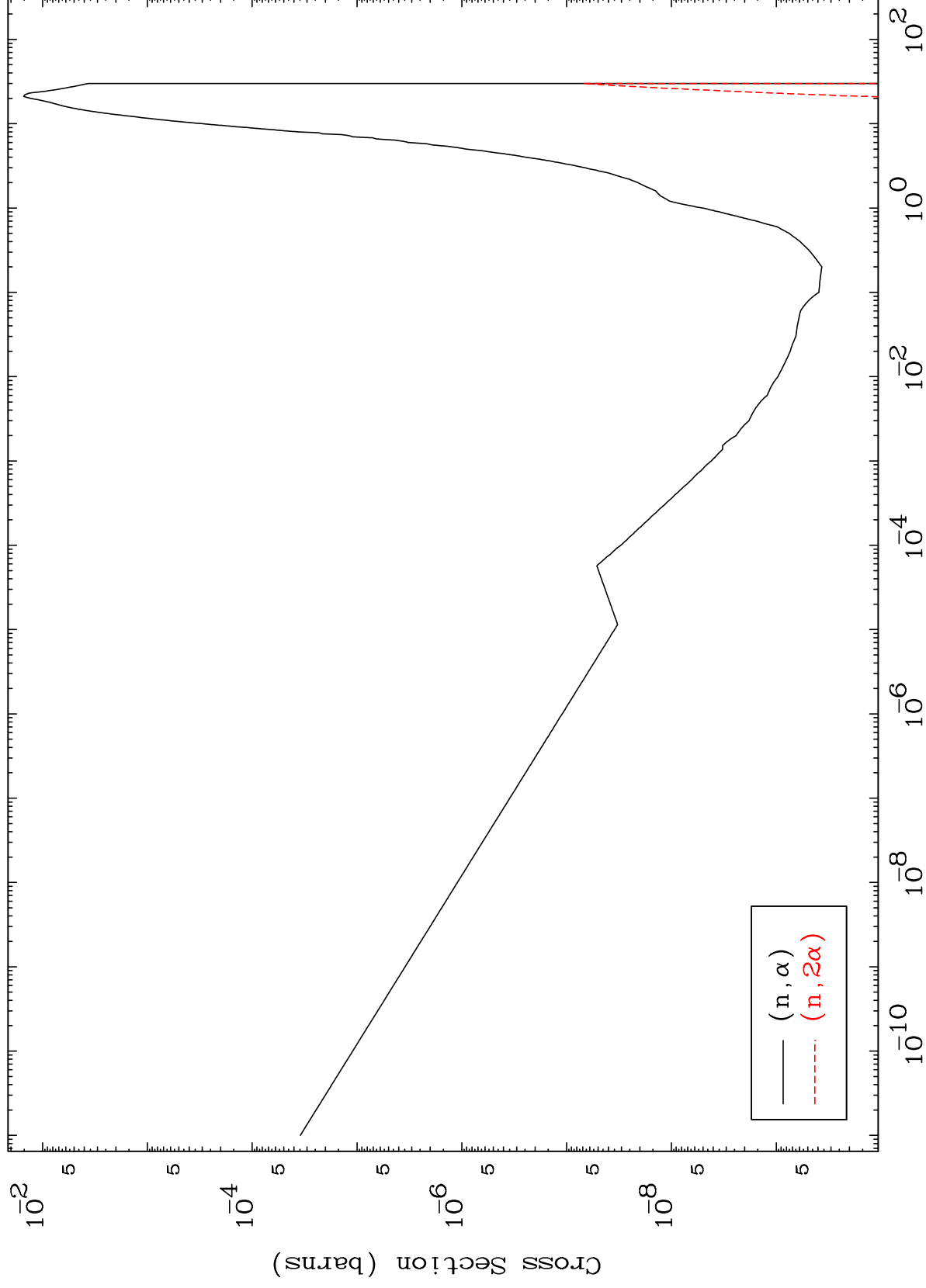
Incident Energy (MeV)

72-Hf-178

MAT 7237

(n, α) Levels
293 Kelvin Cross Sections

72-Hf-178



16

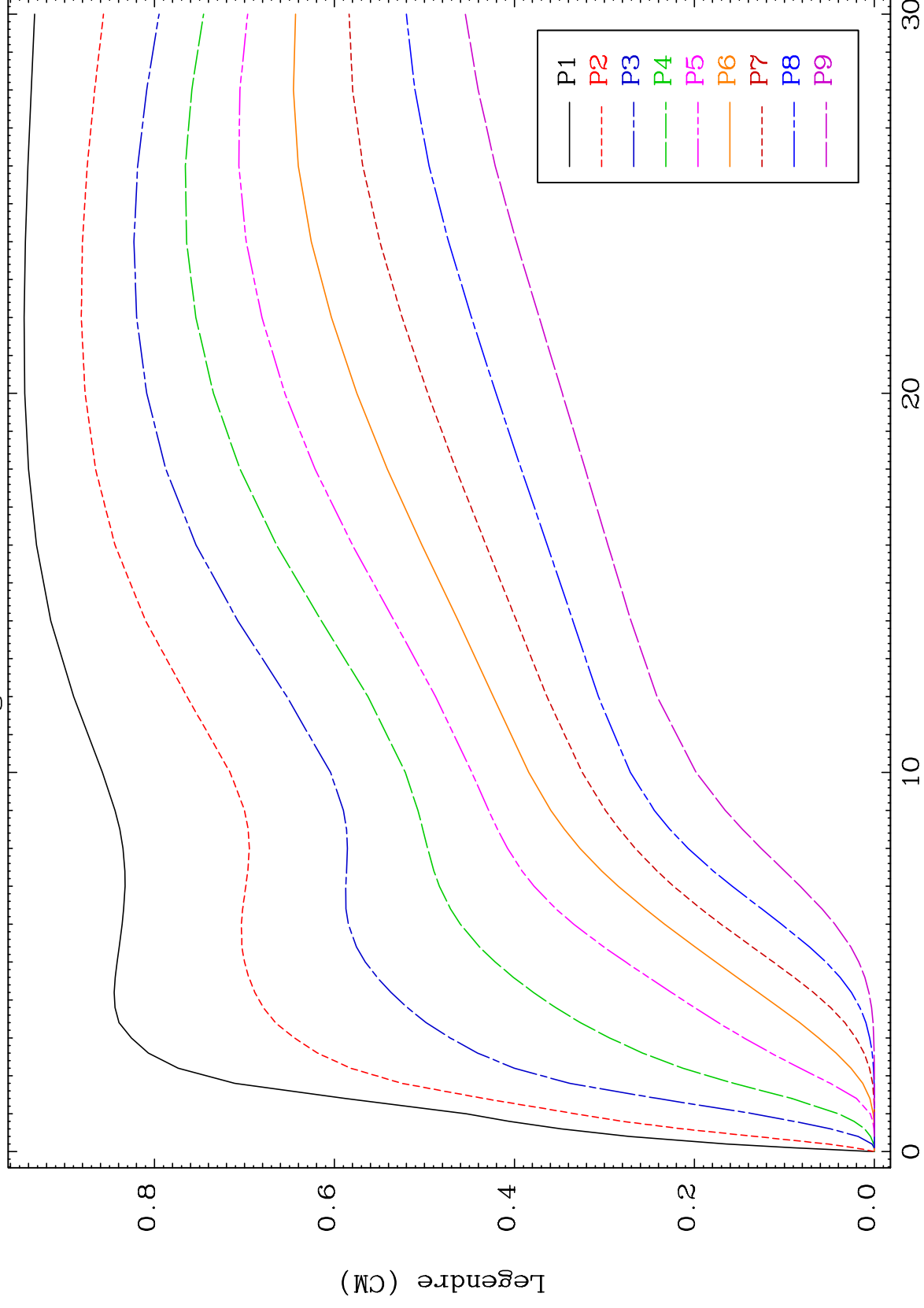
Incident Energy (MeV)

72-Hf-178

MAT 7237

72-Hf-178

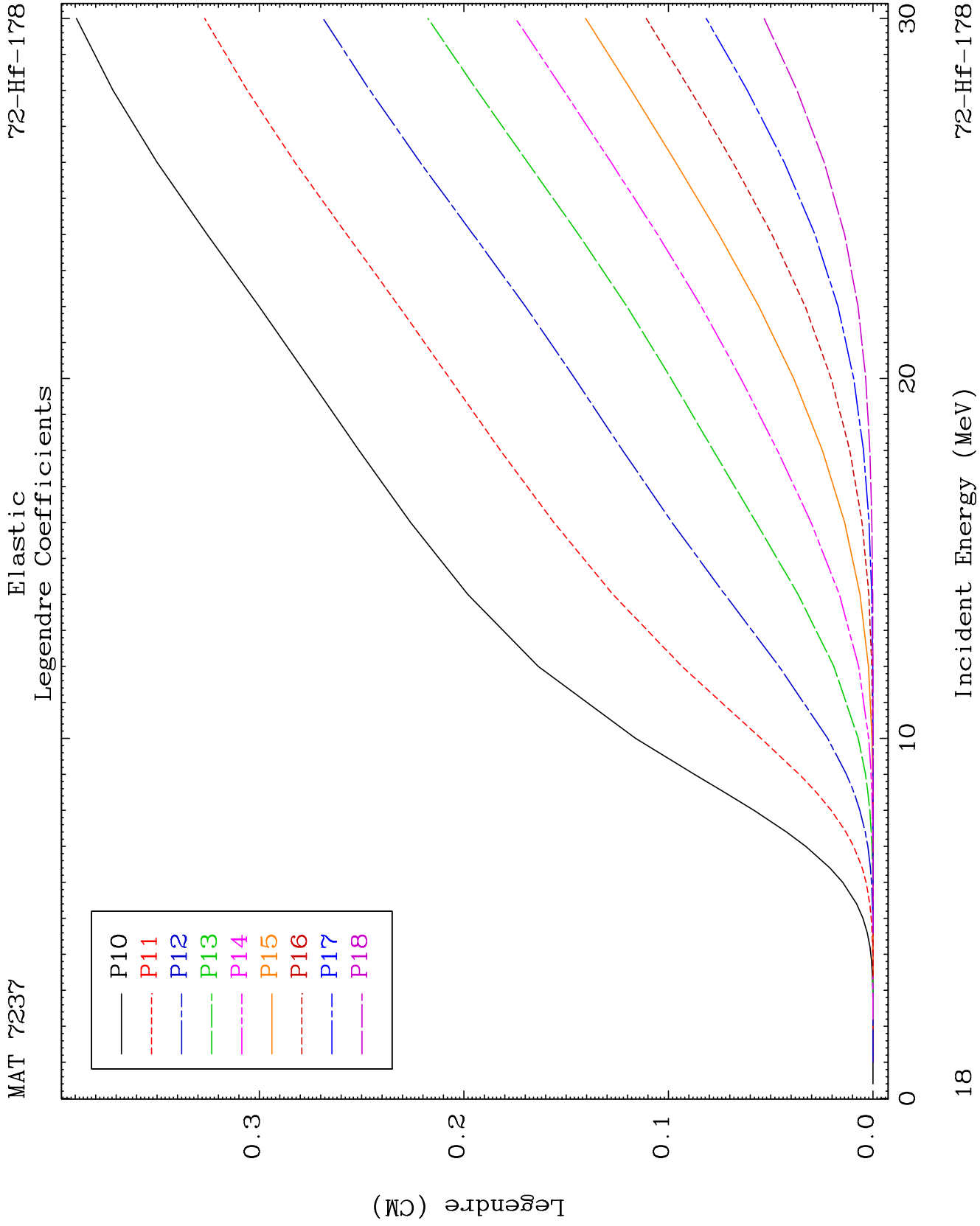
Elastic Legendre Coefficients

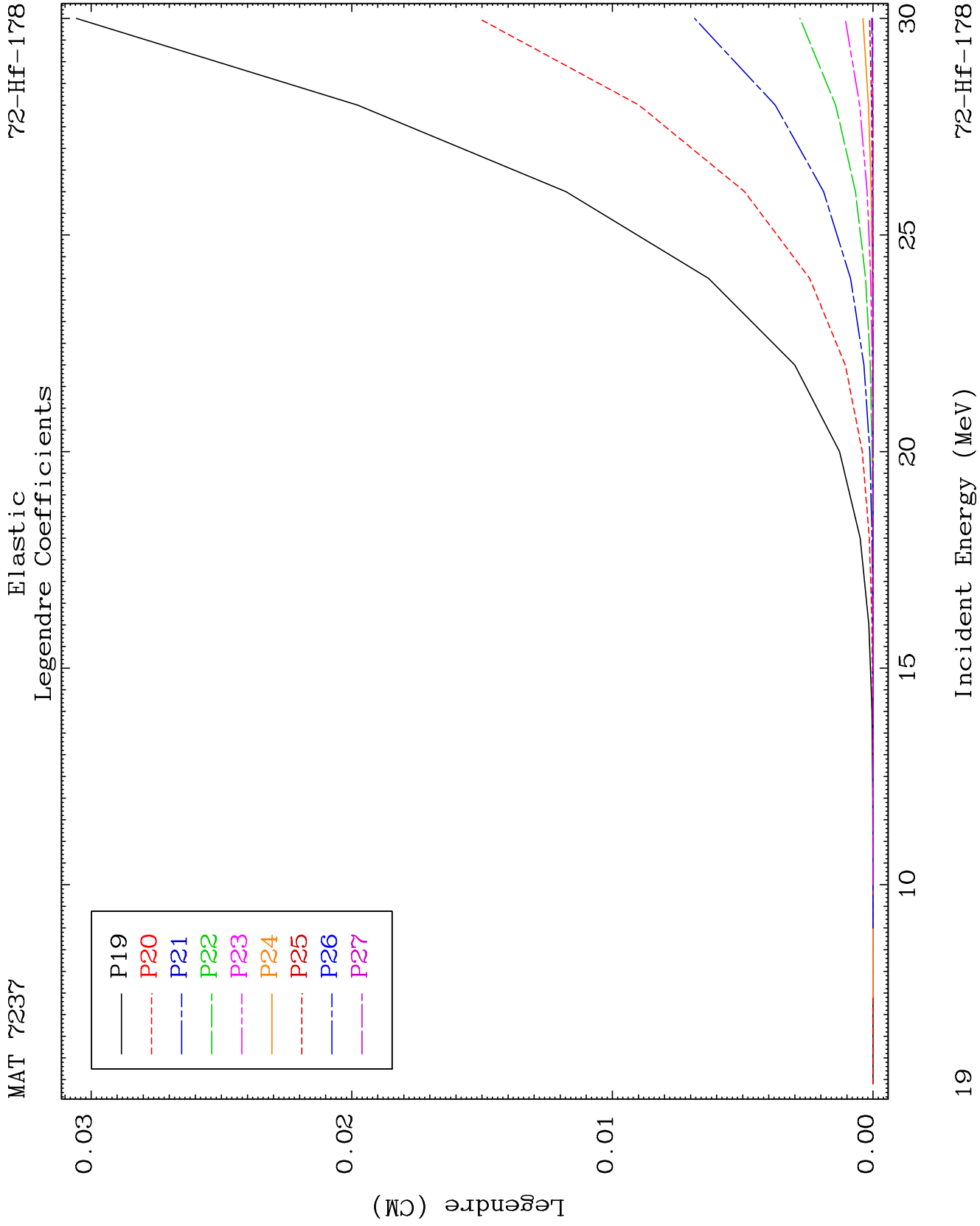


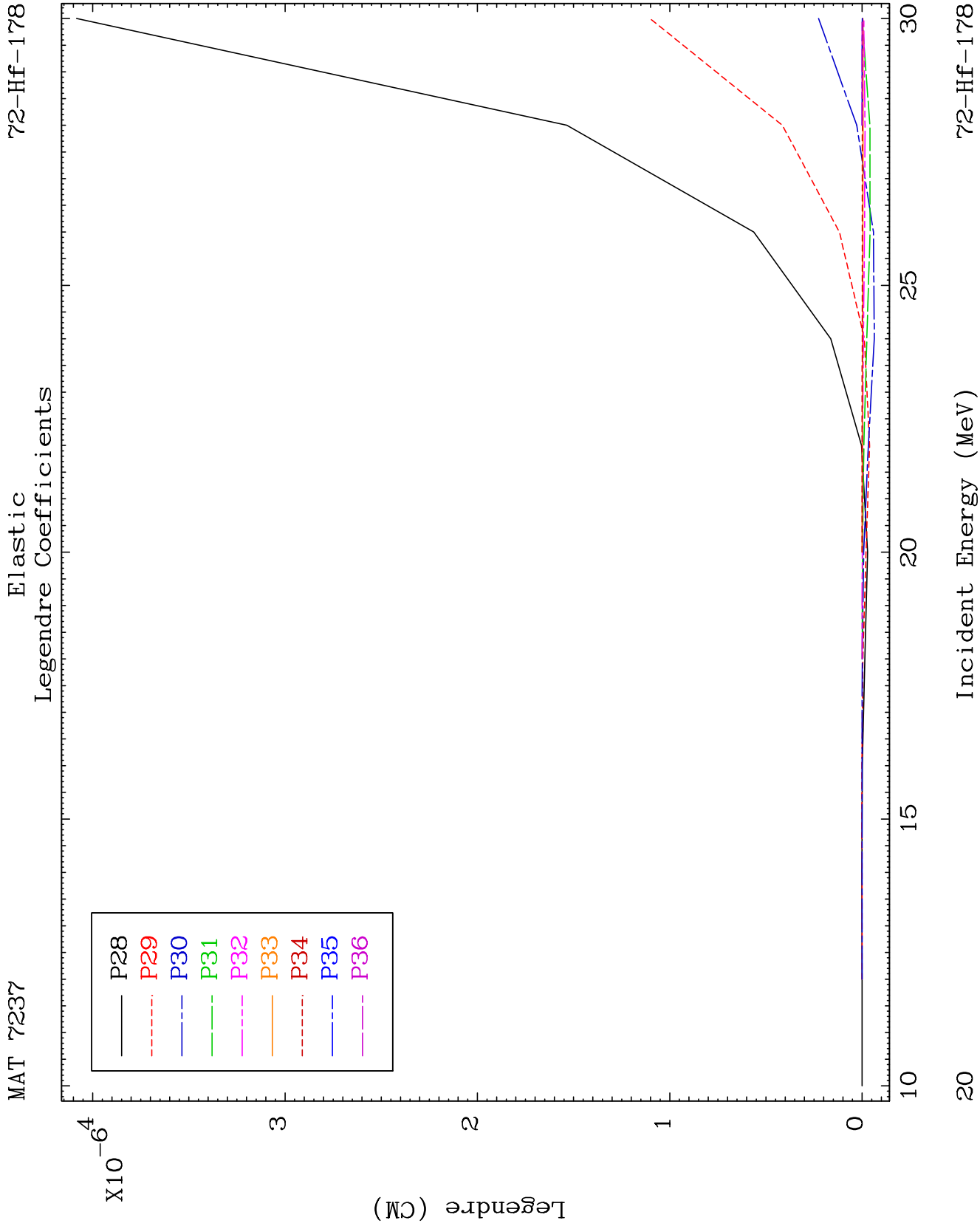
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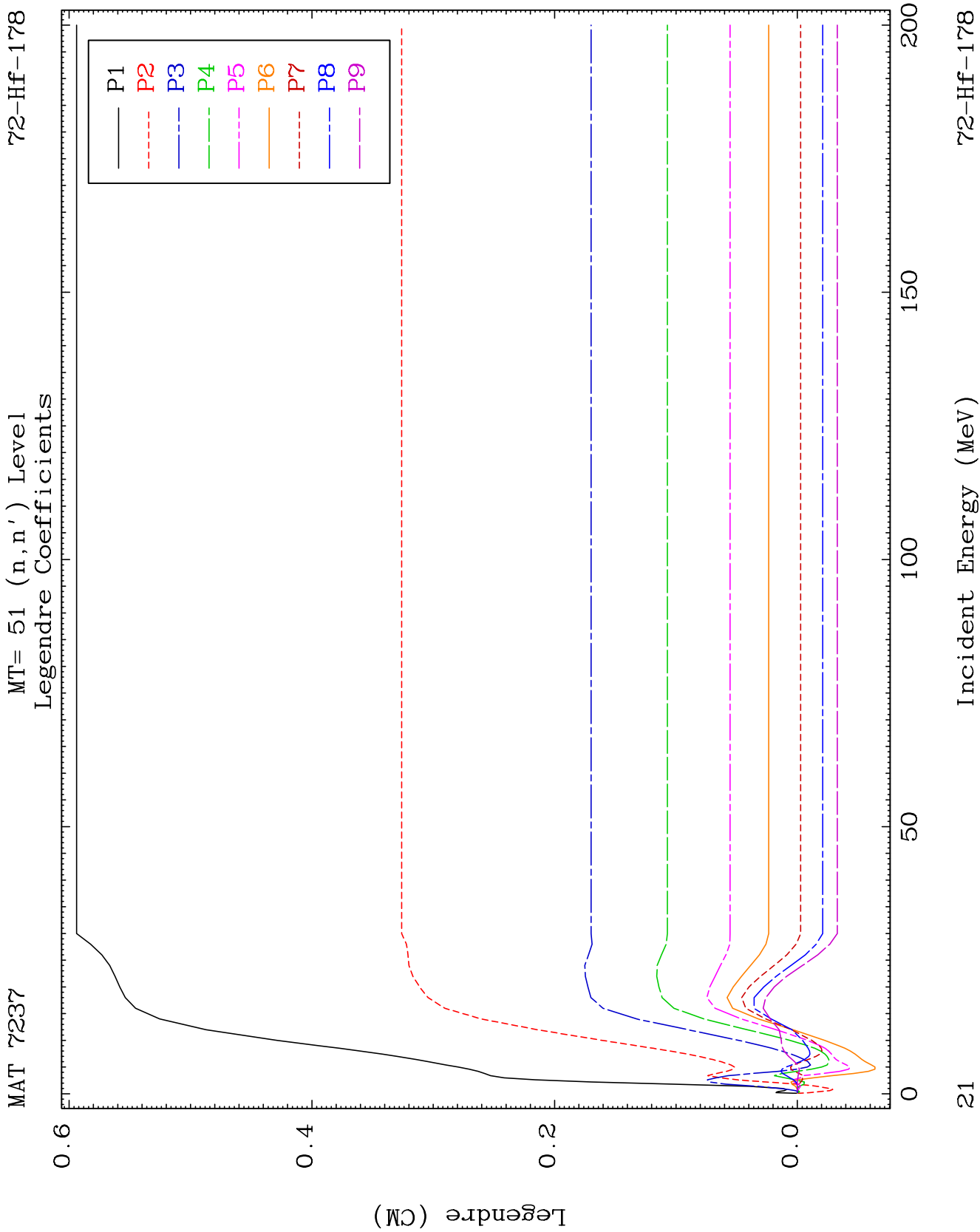
Incident Energy (MeV)

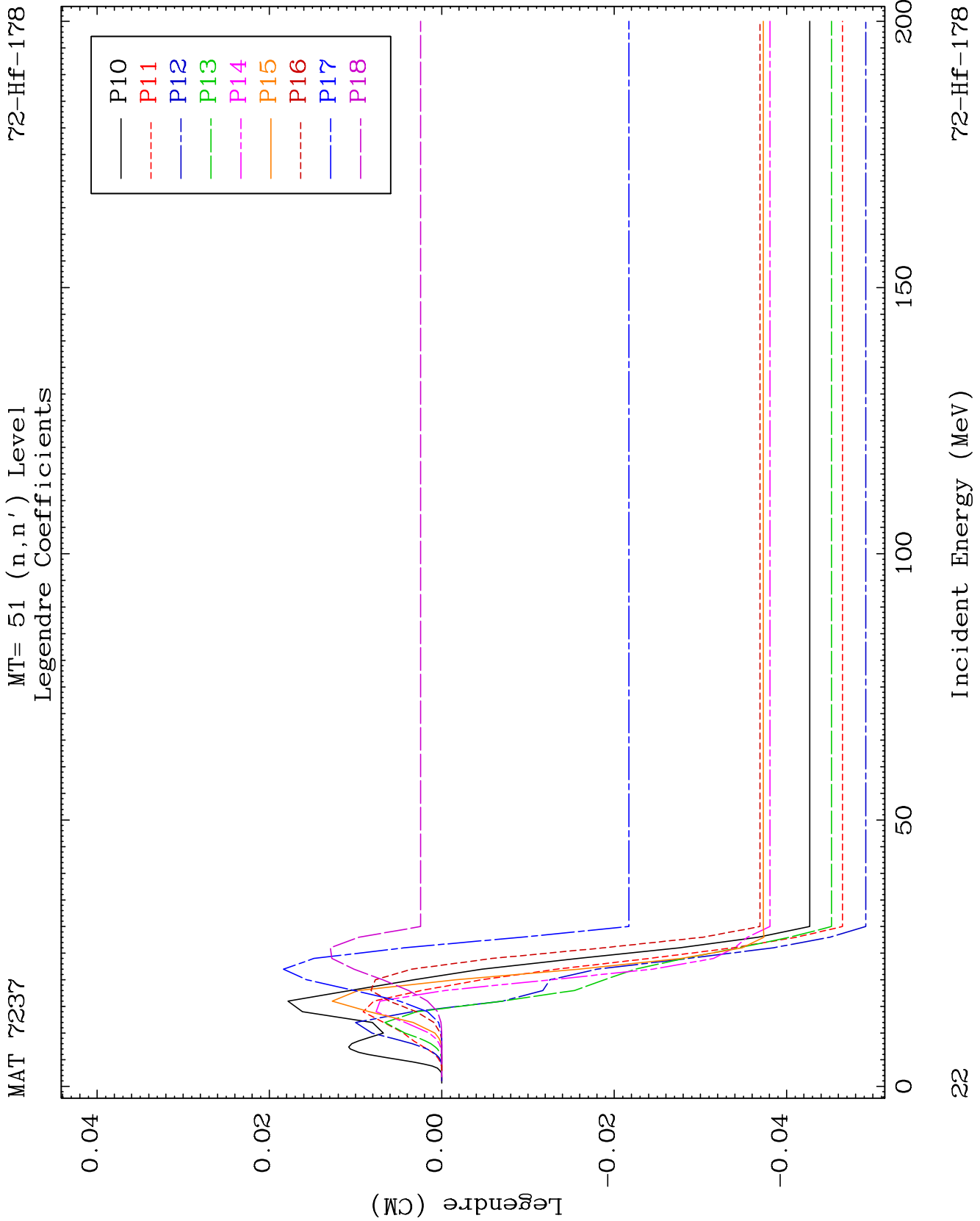
72-Hf-178

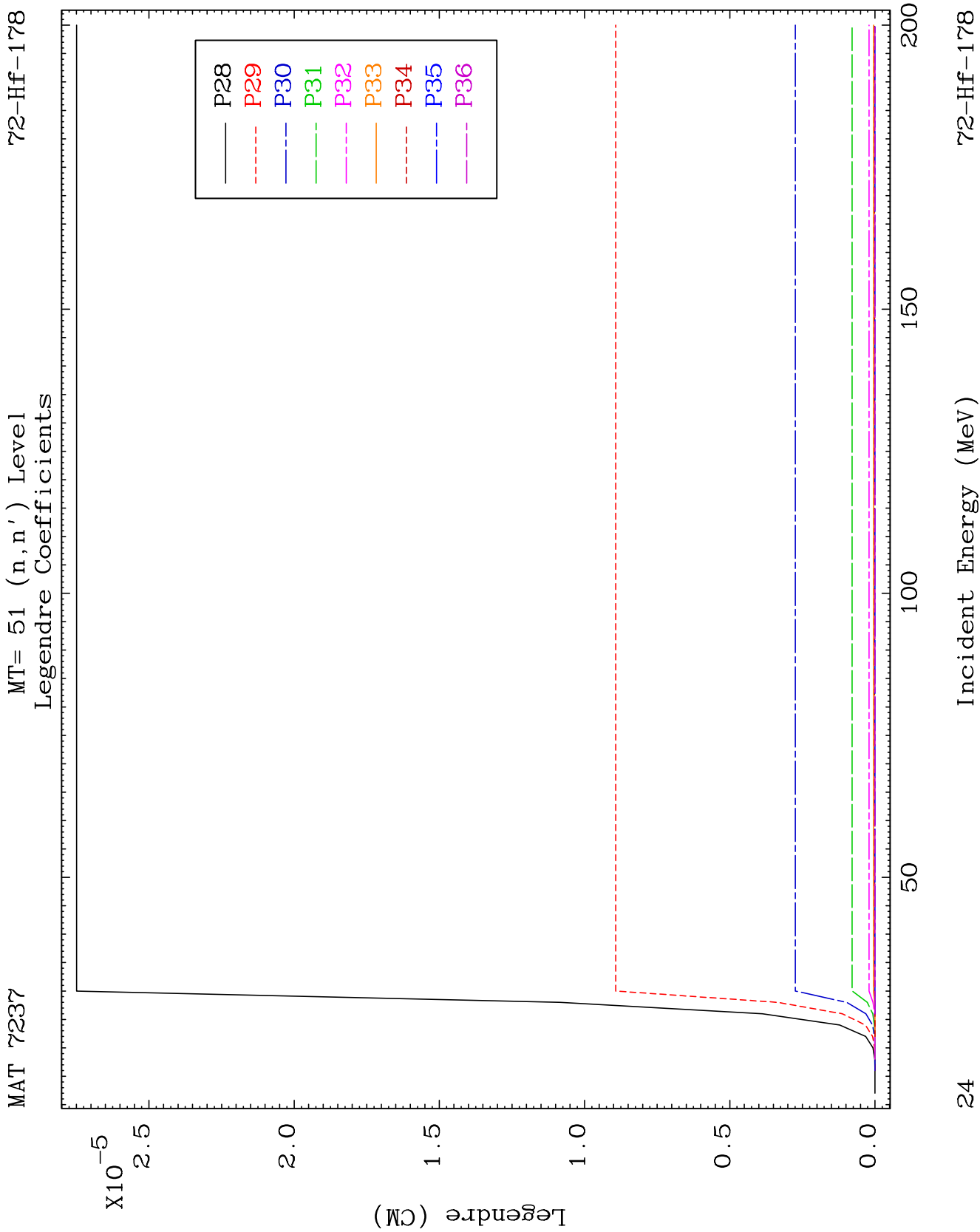


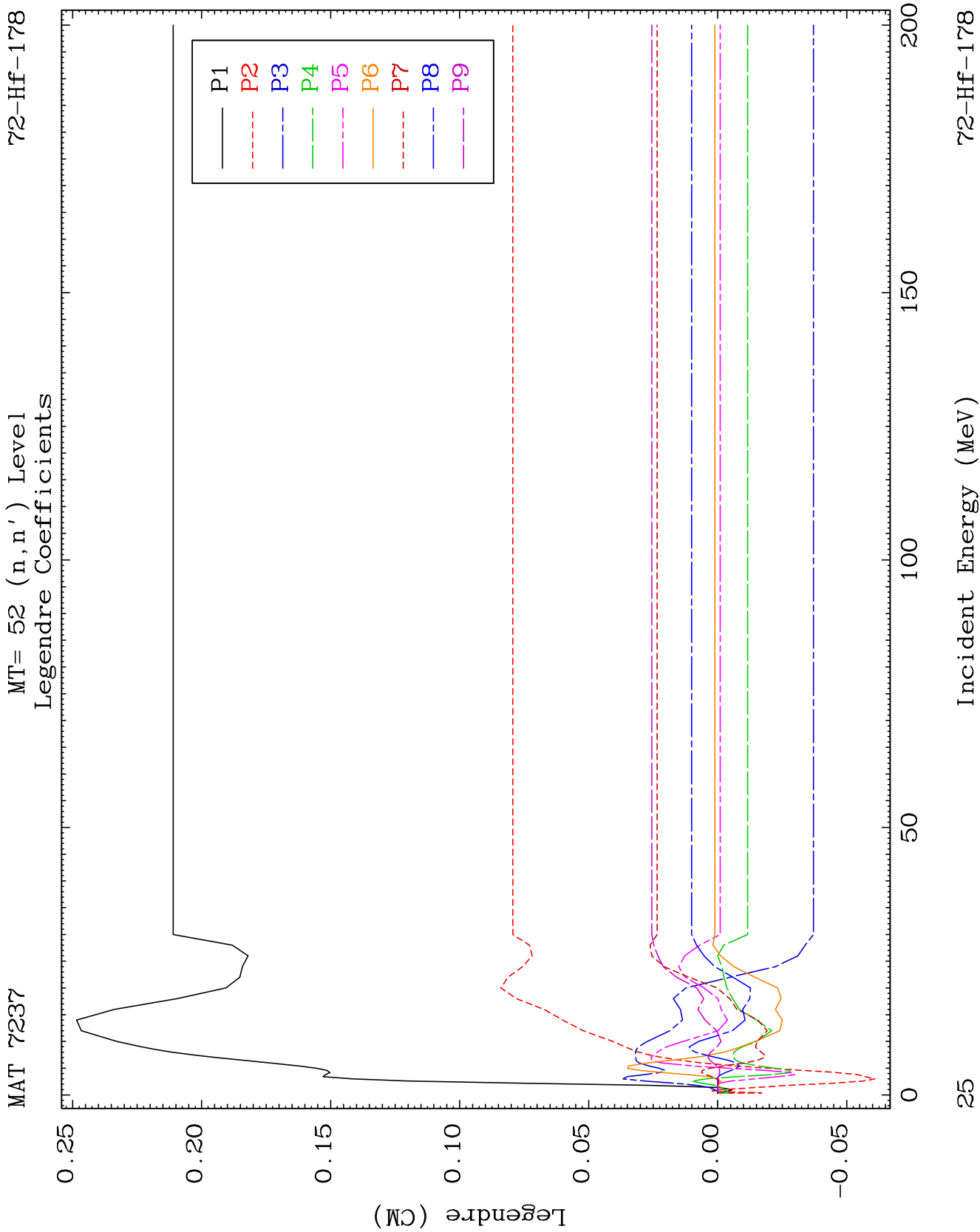


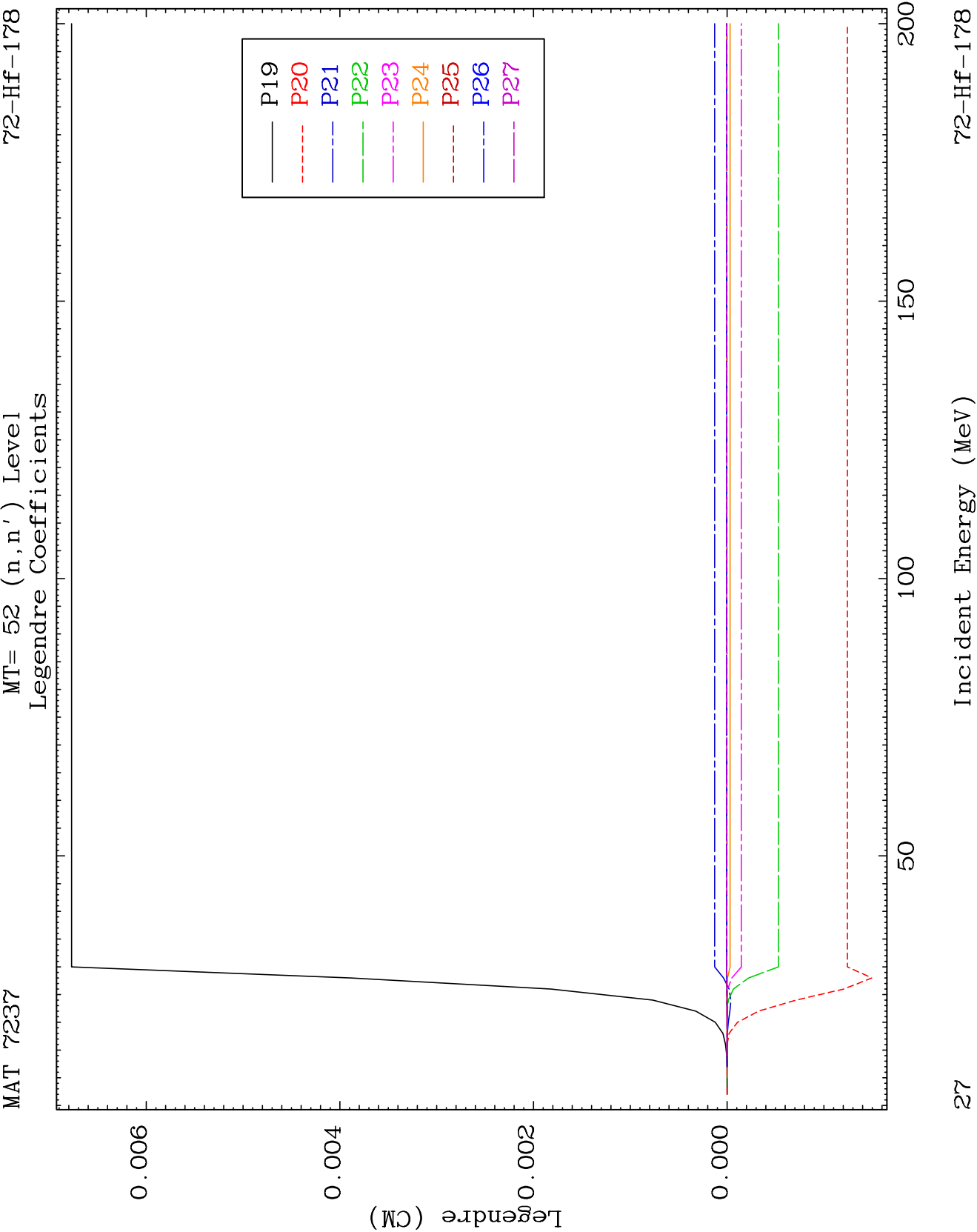


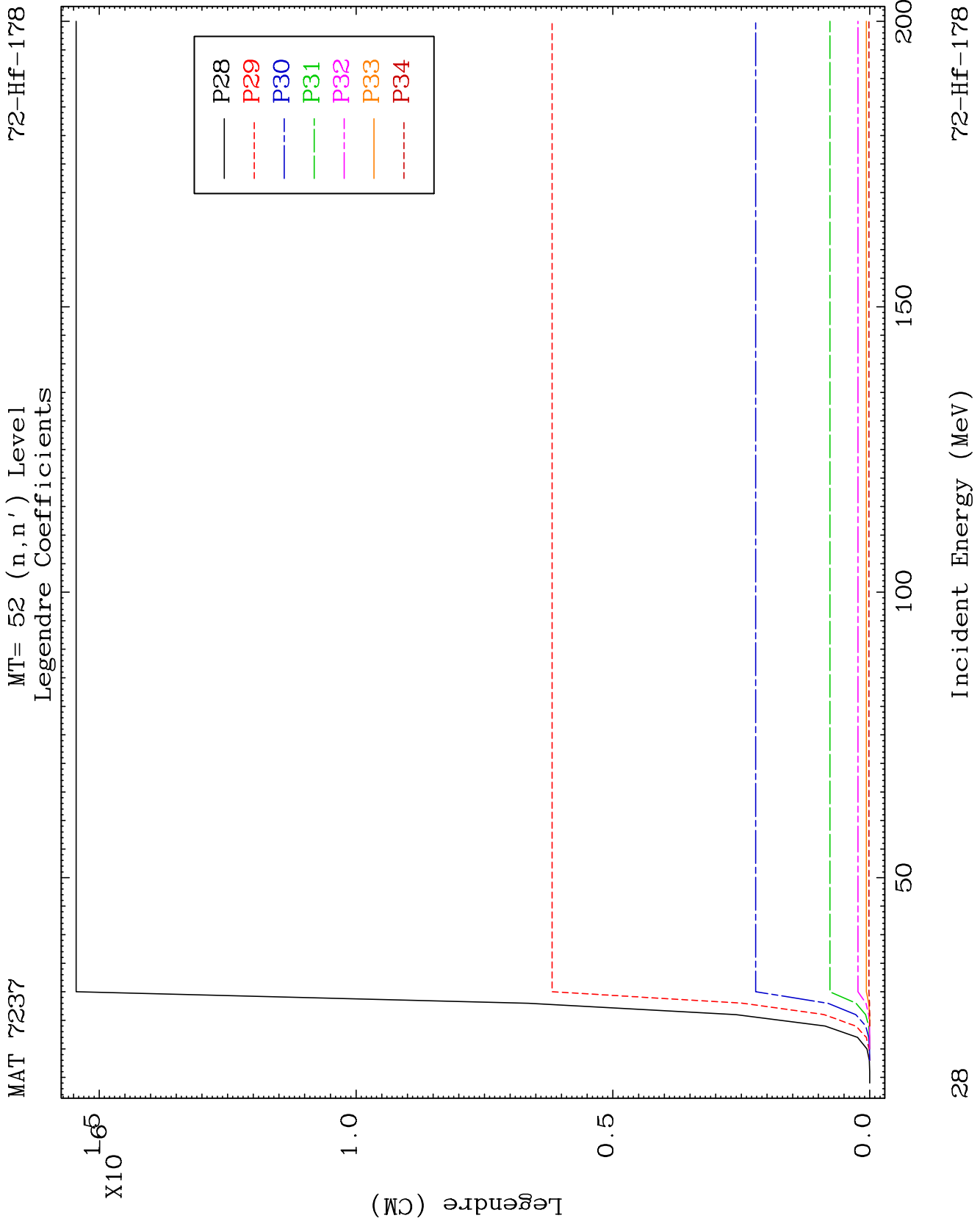


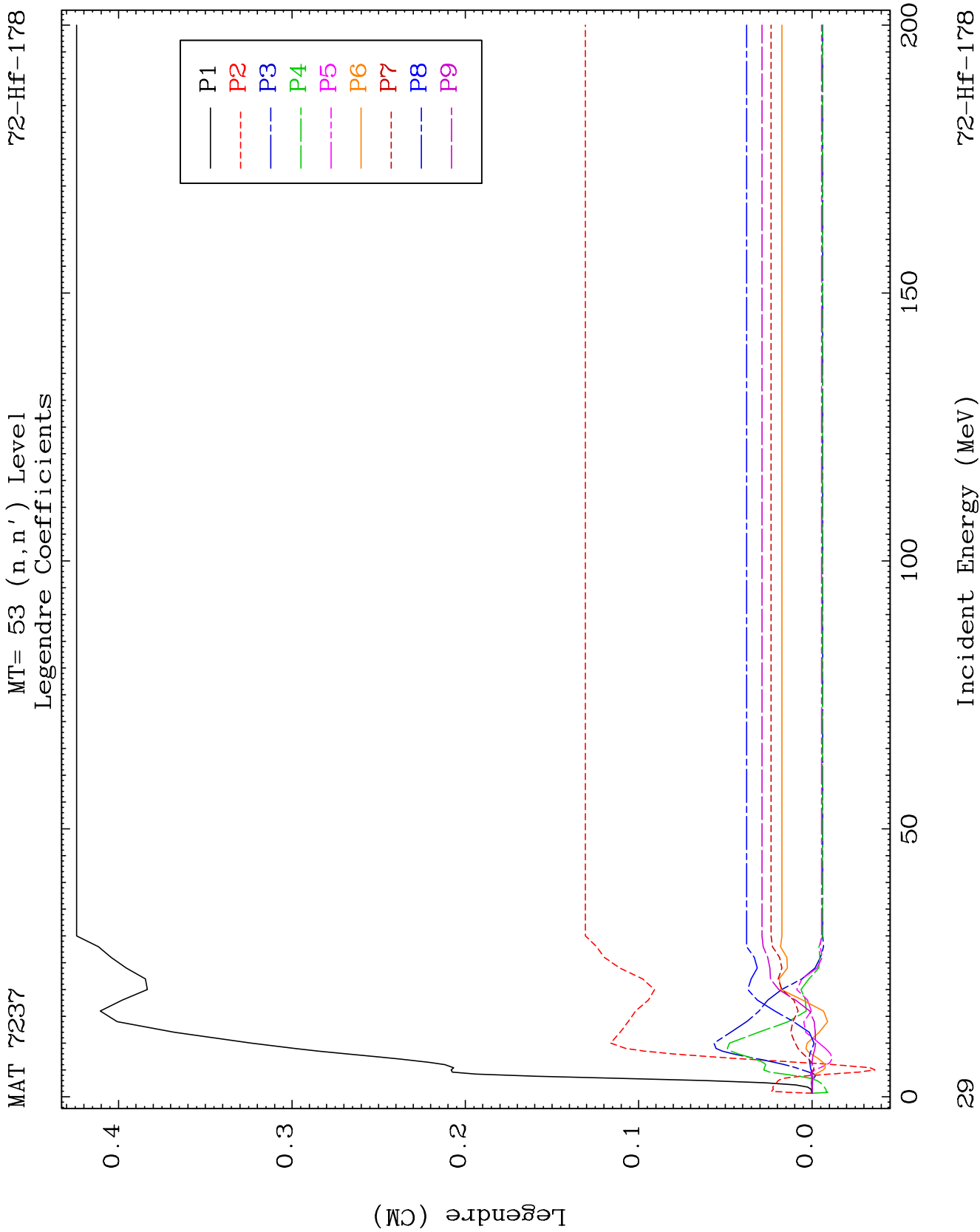








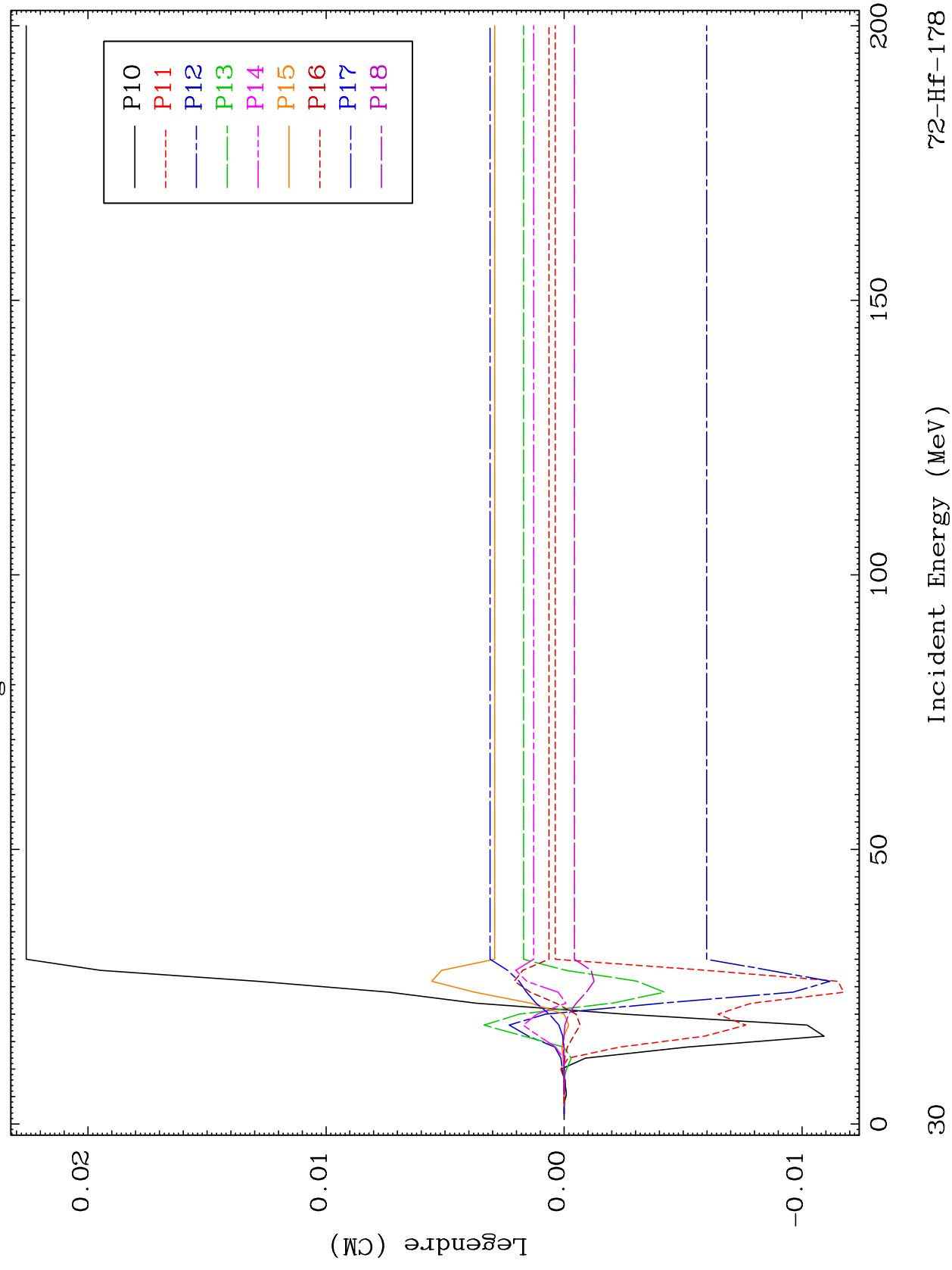


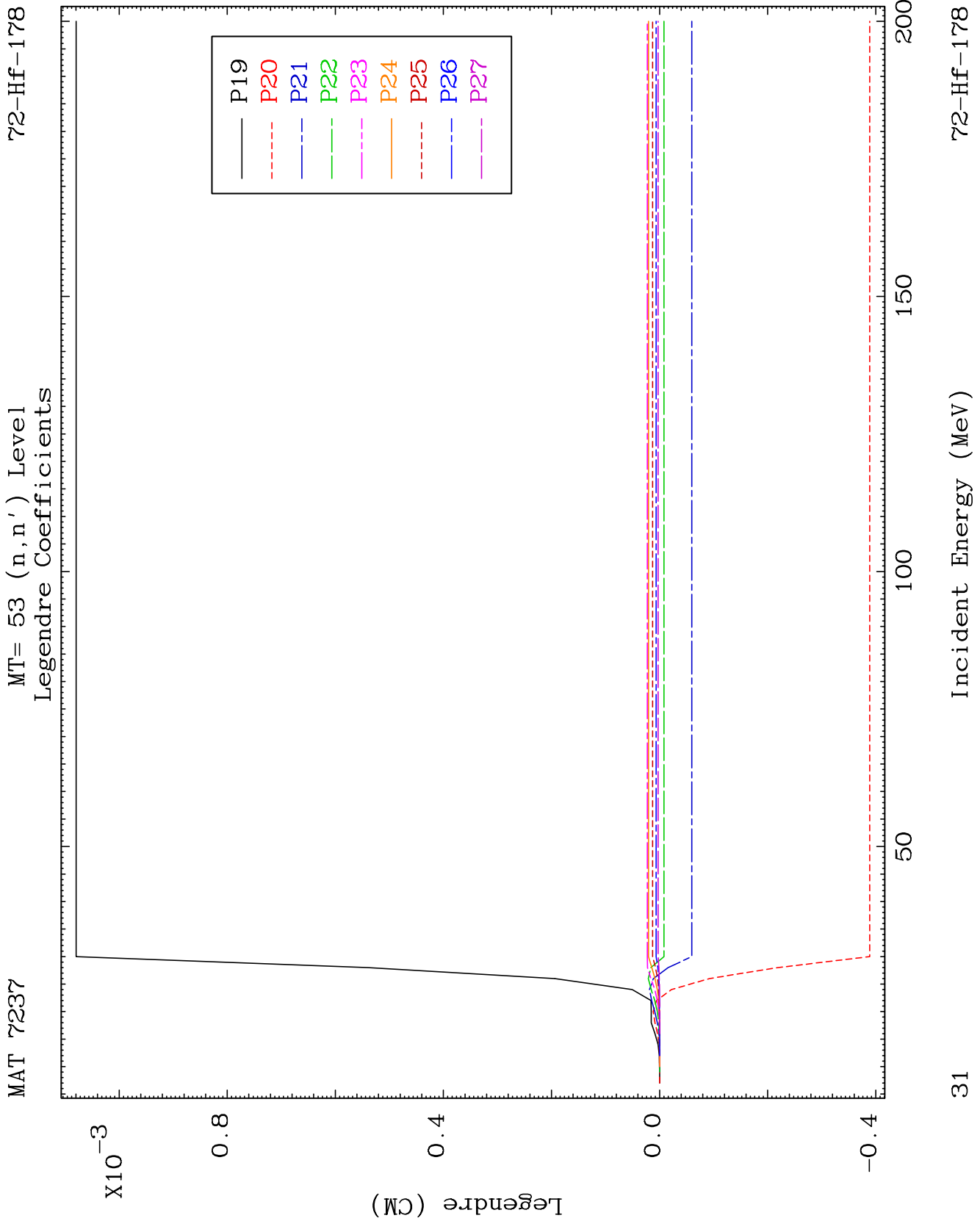


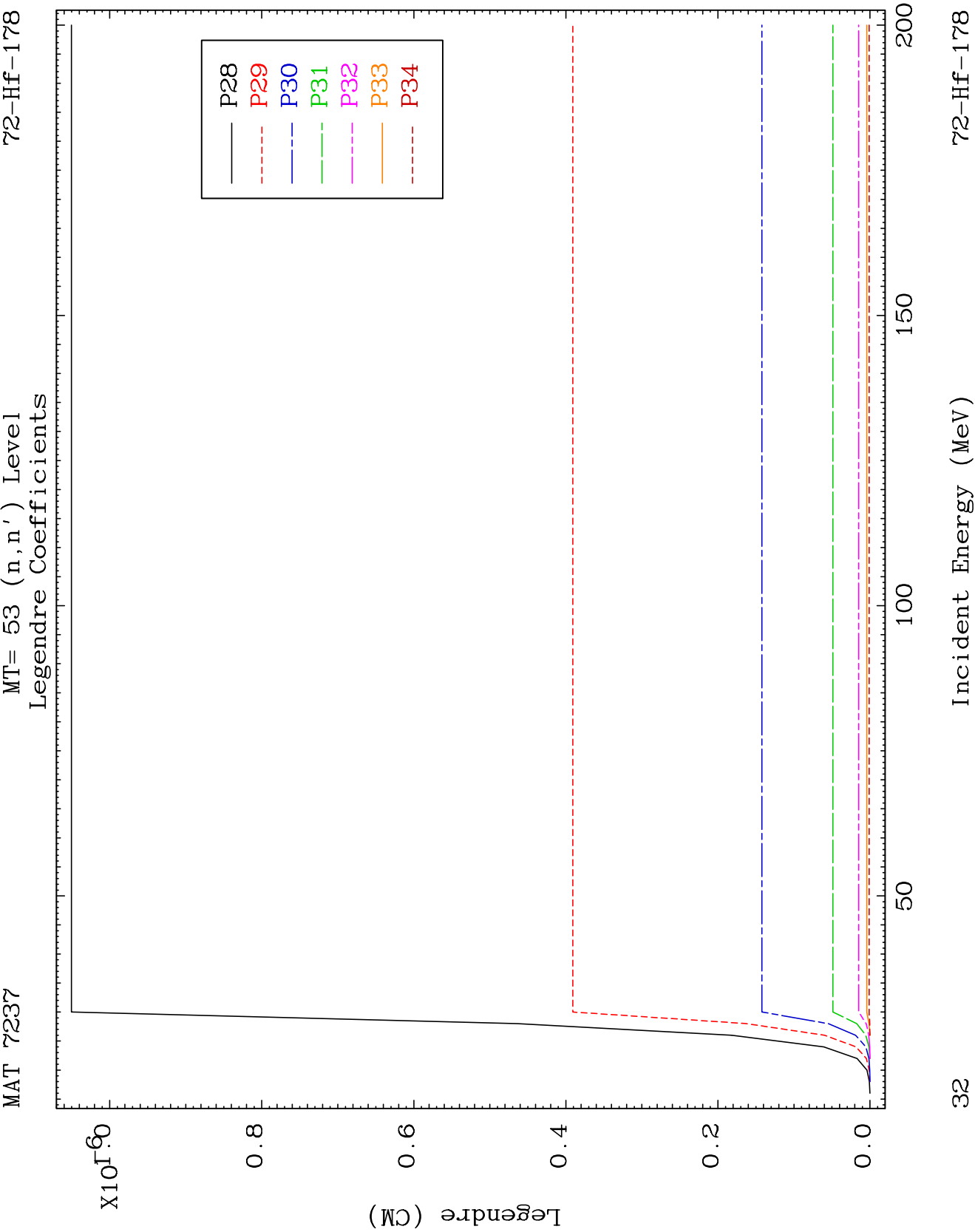
MAT 7237

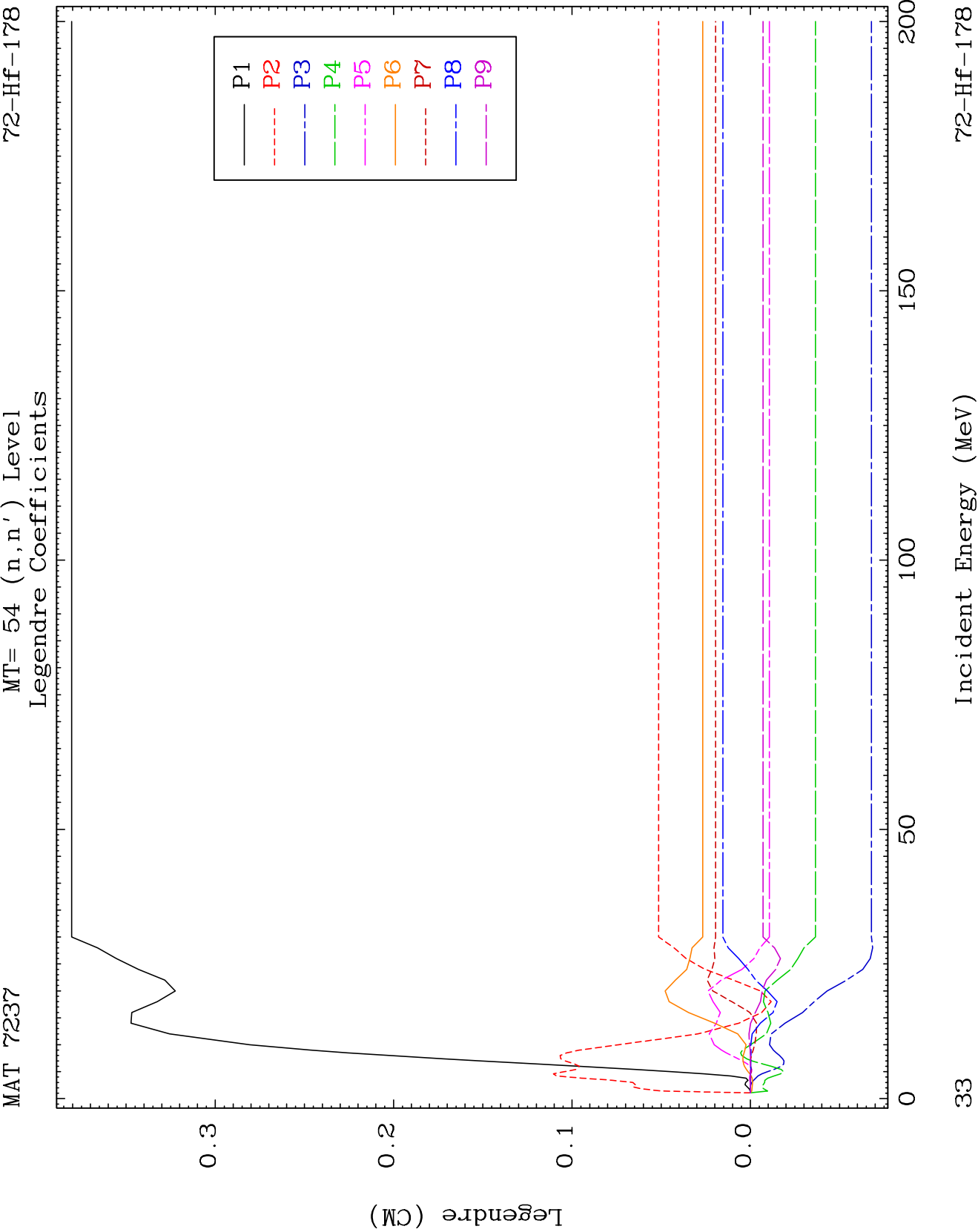
MT= 53 (n, n') Level
Legendre Coefficients

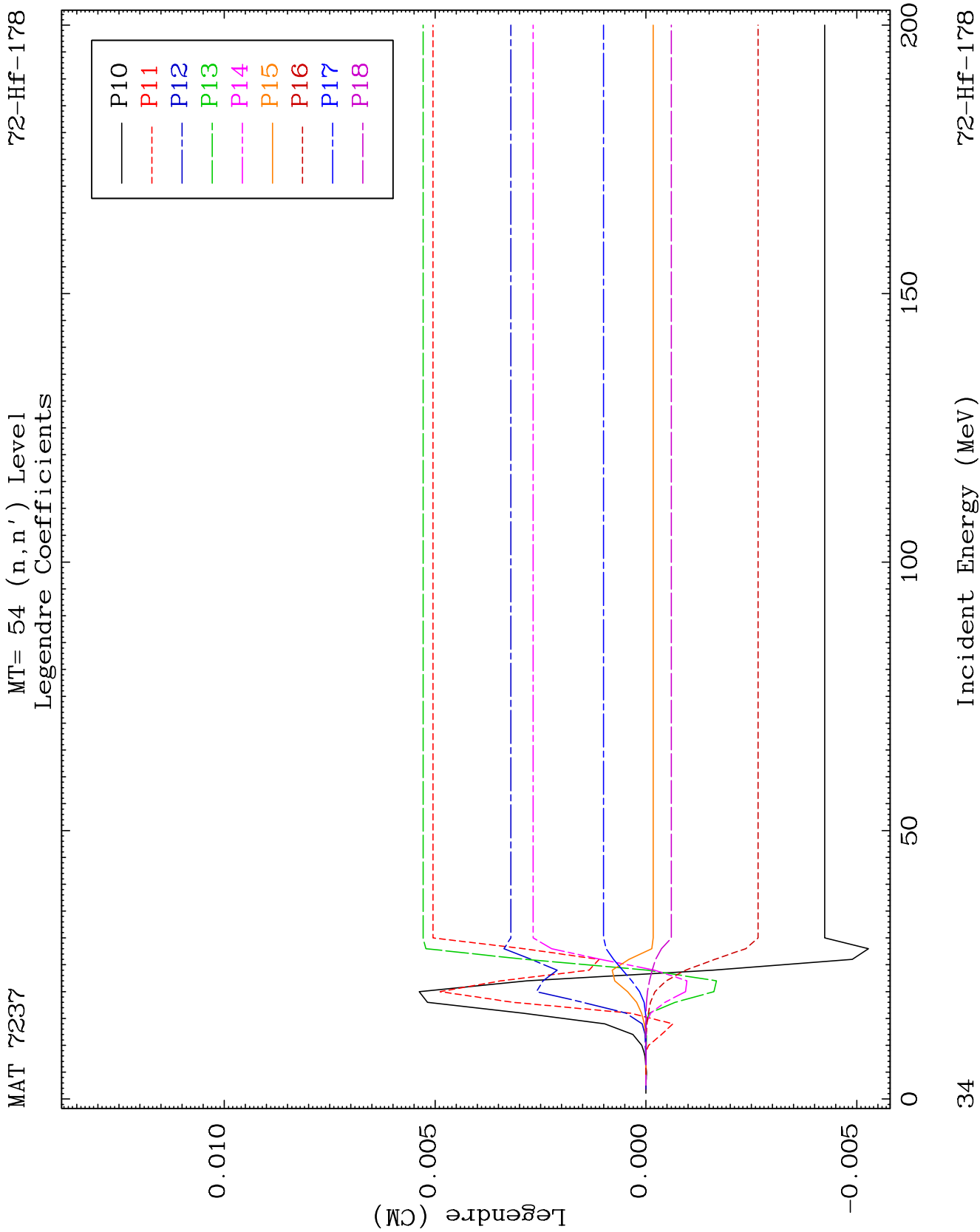
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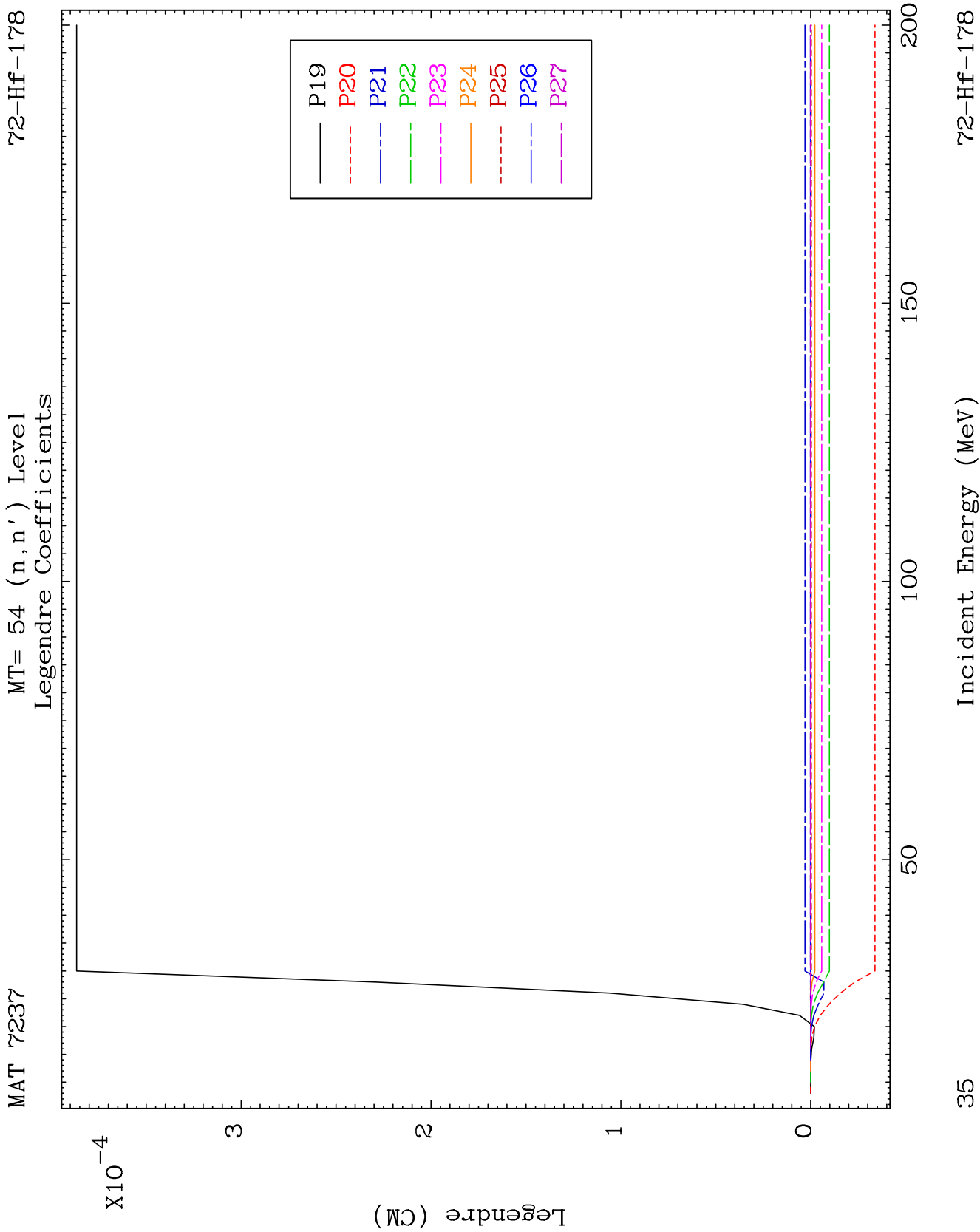


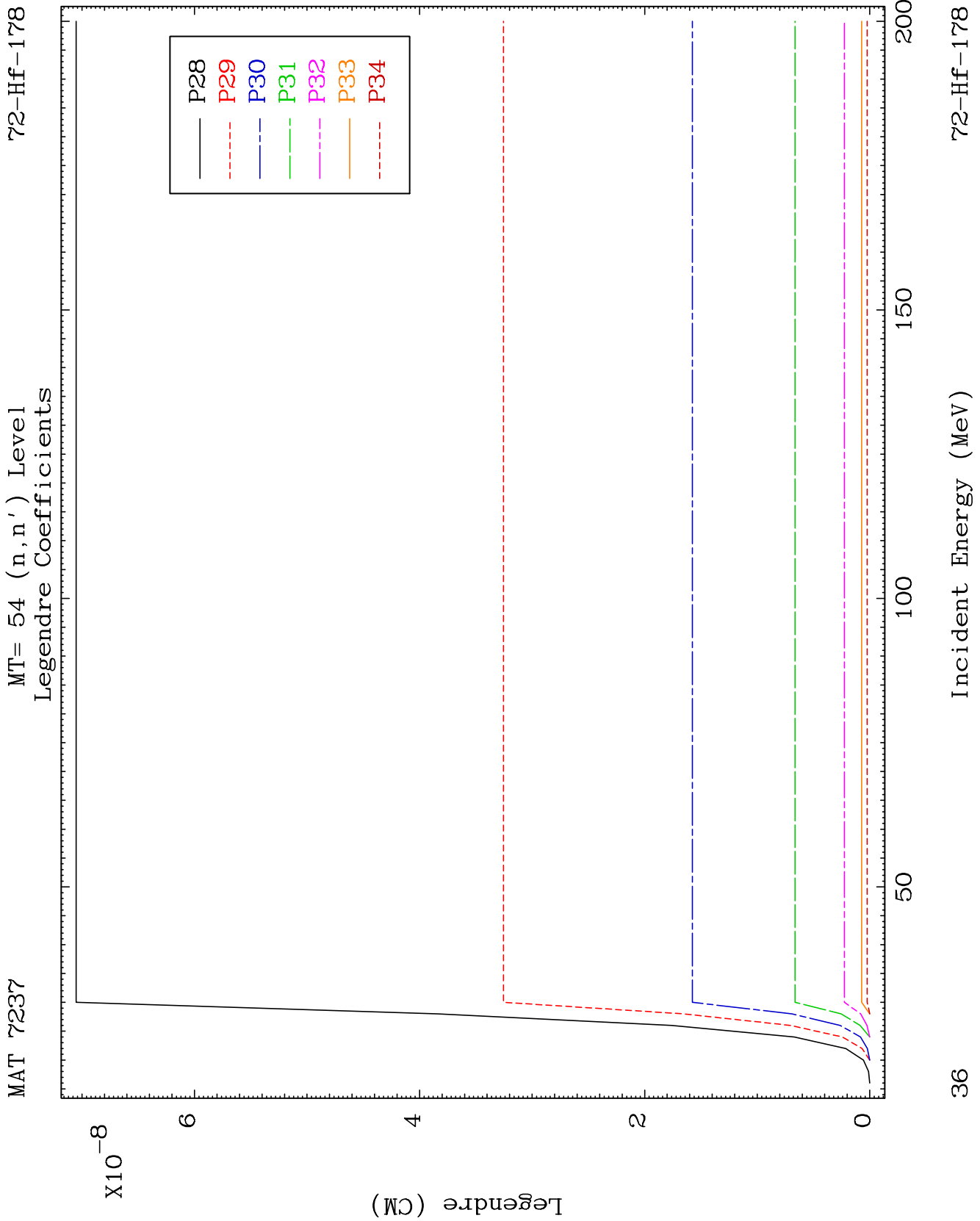


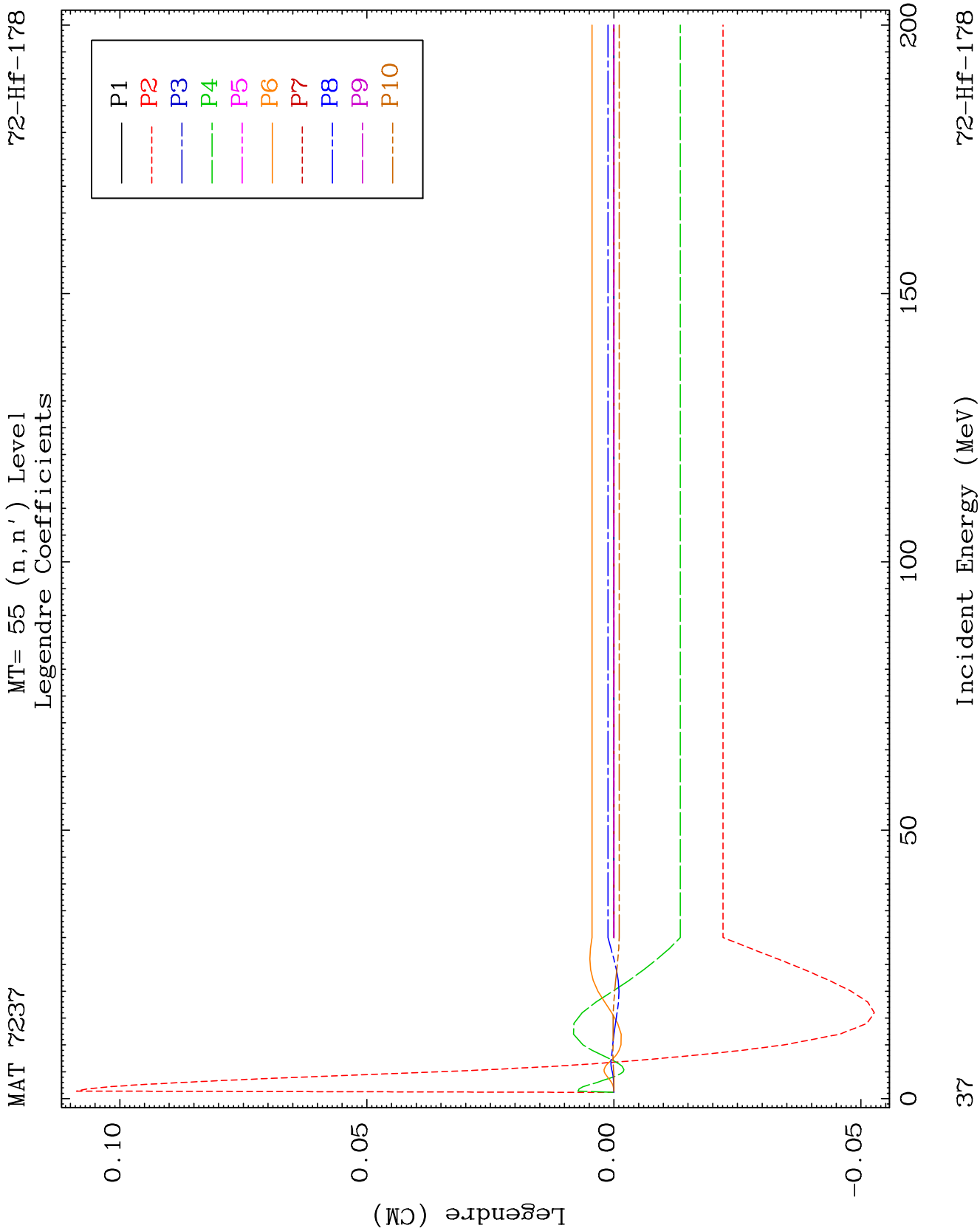


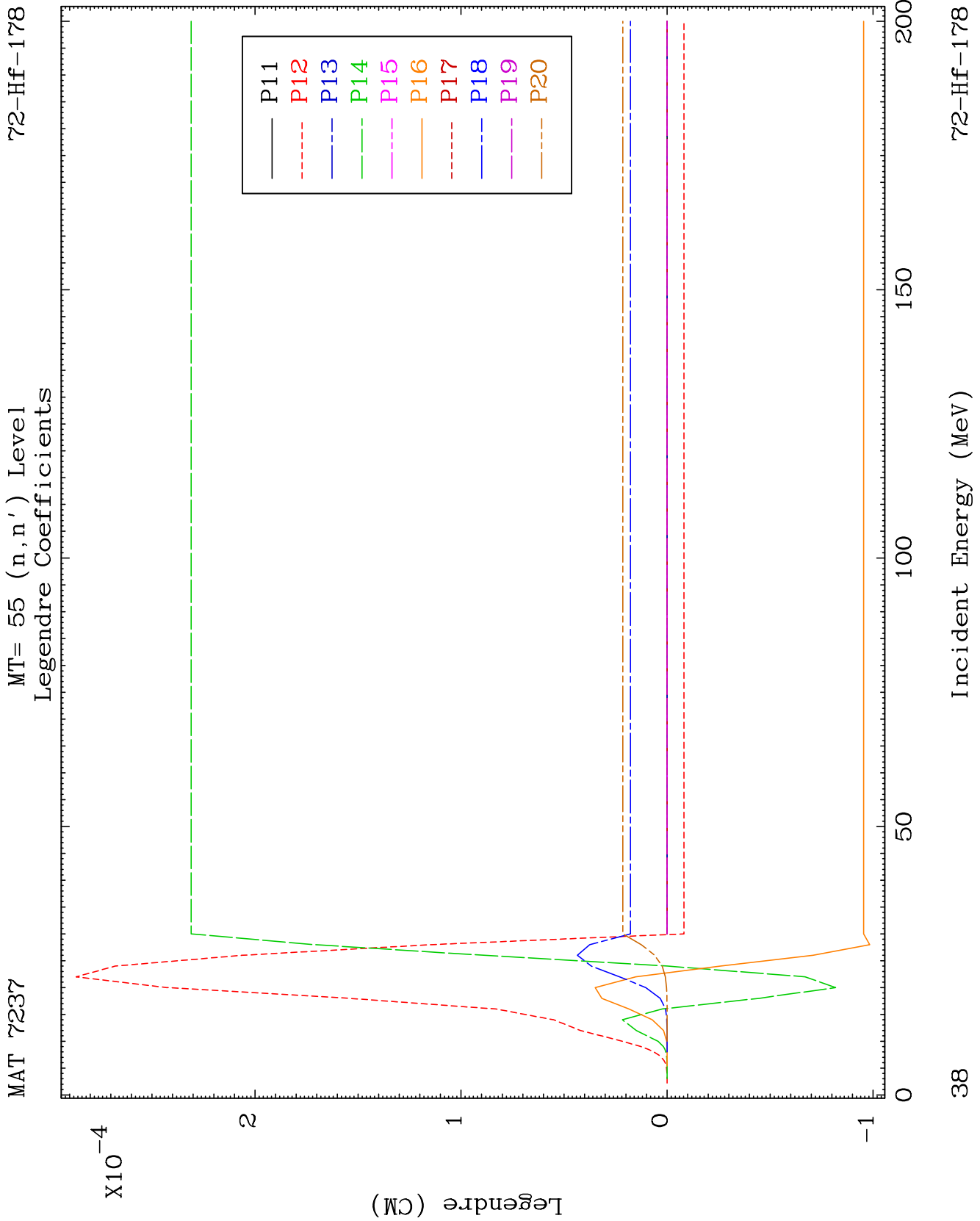








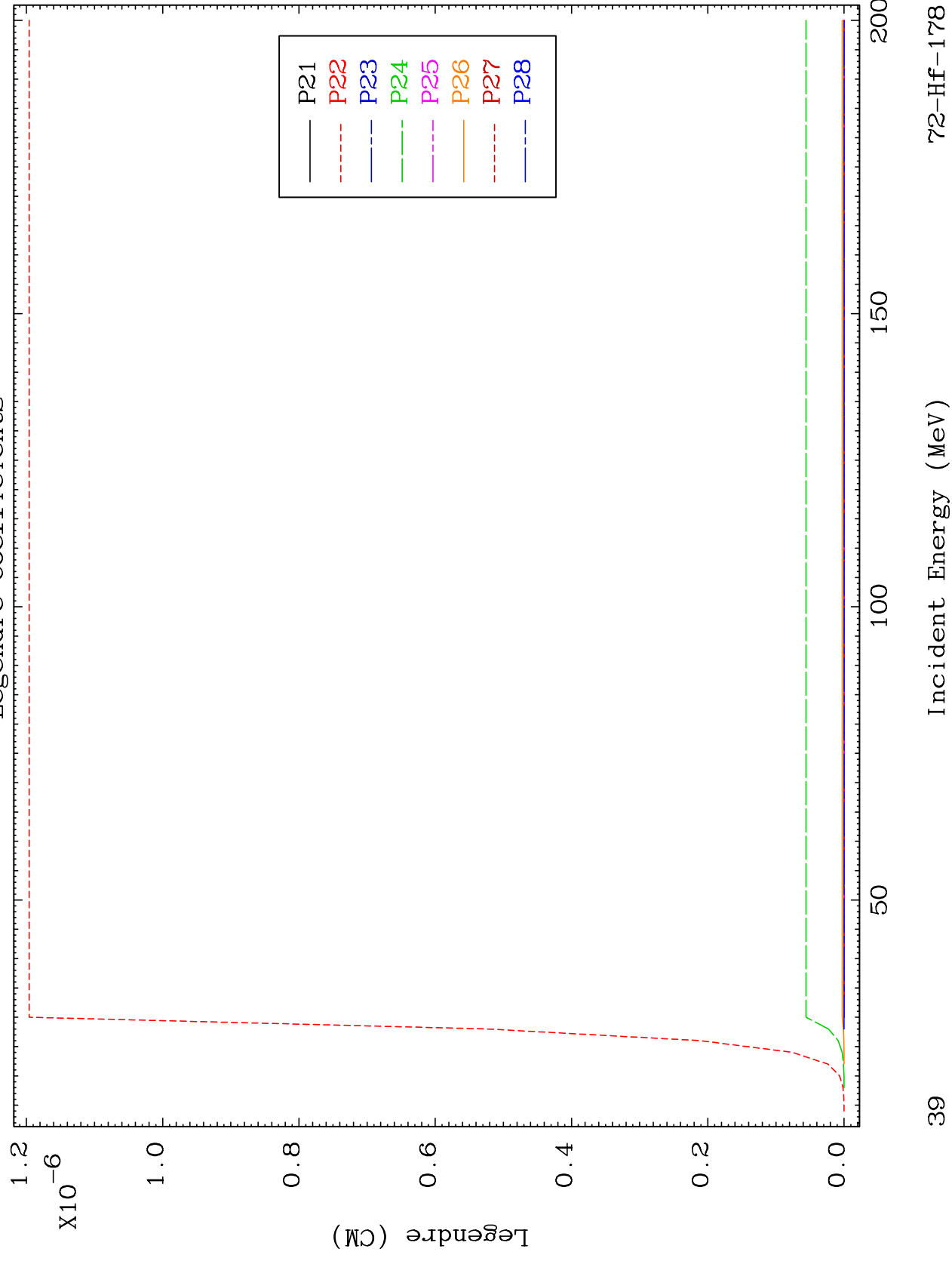




MAT 7237

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

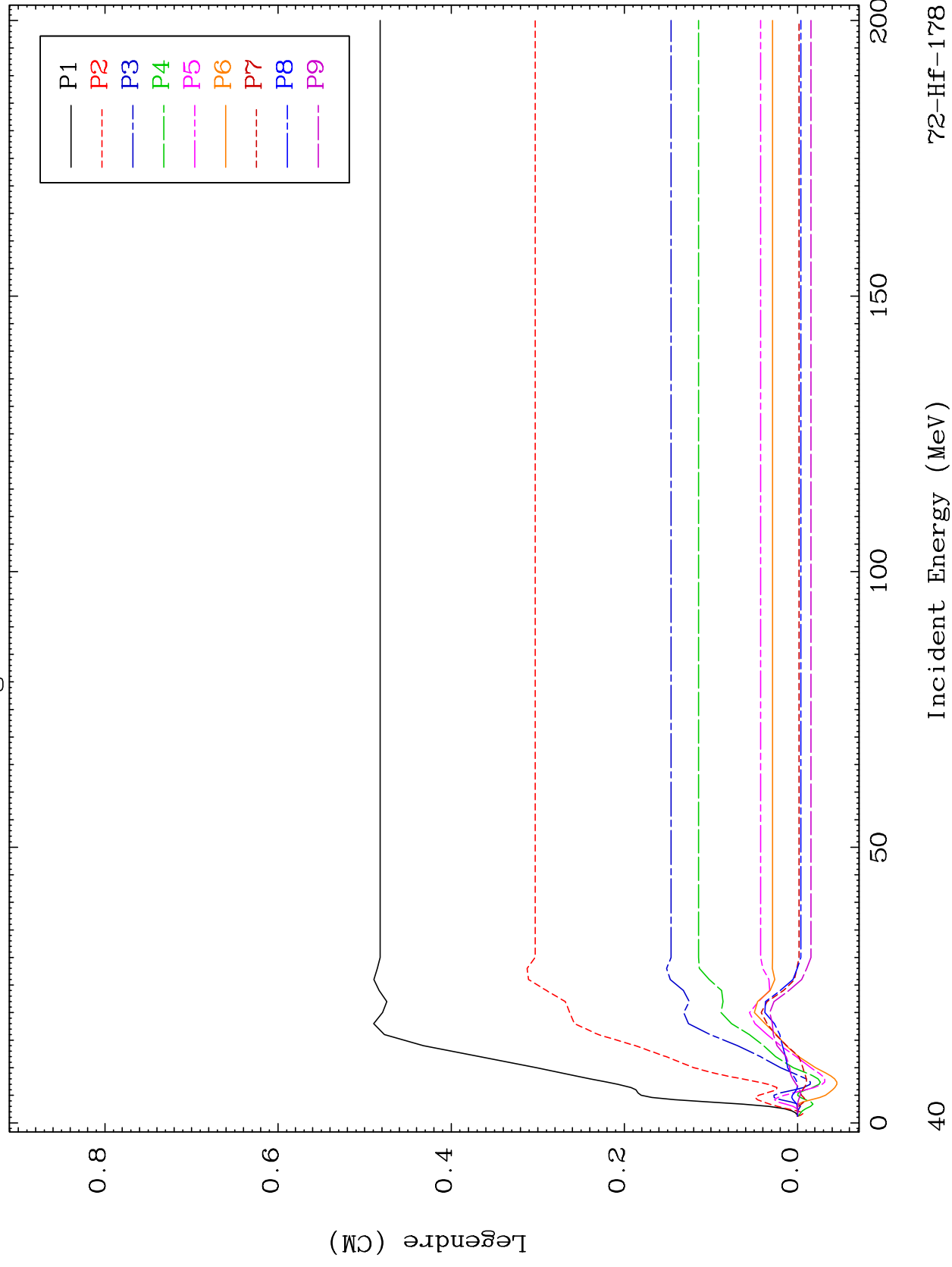
72-Hf-178



MAT 7237

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

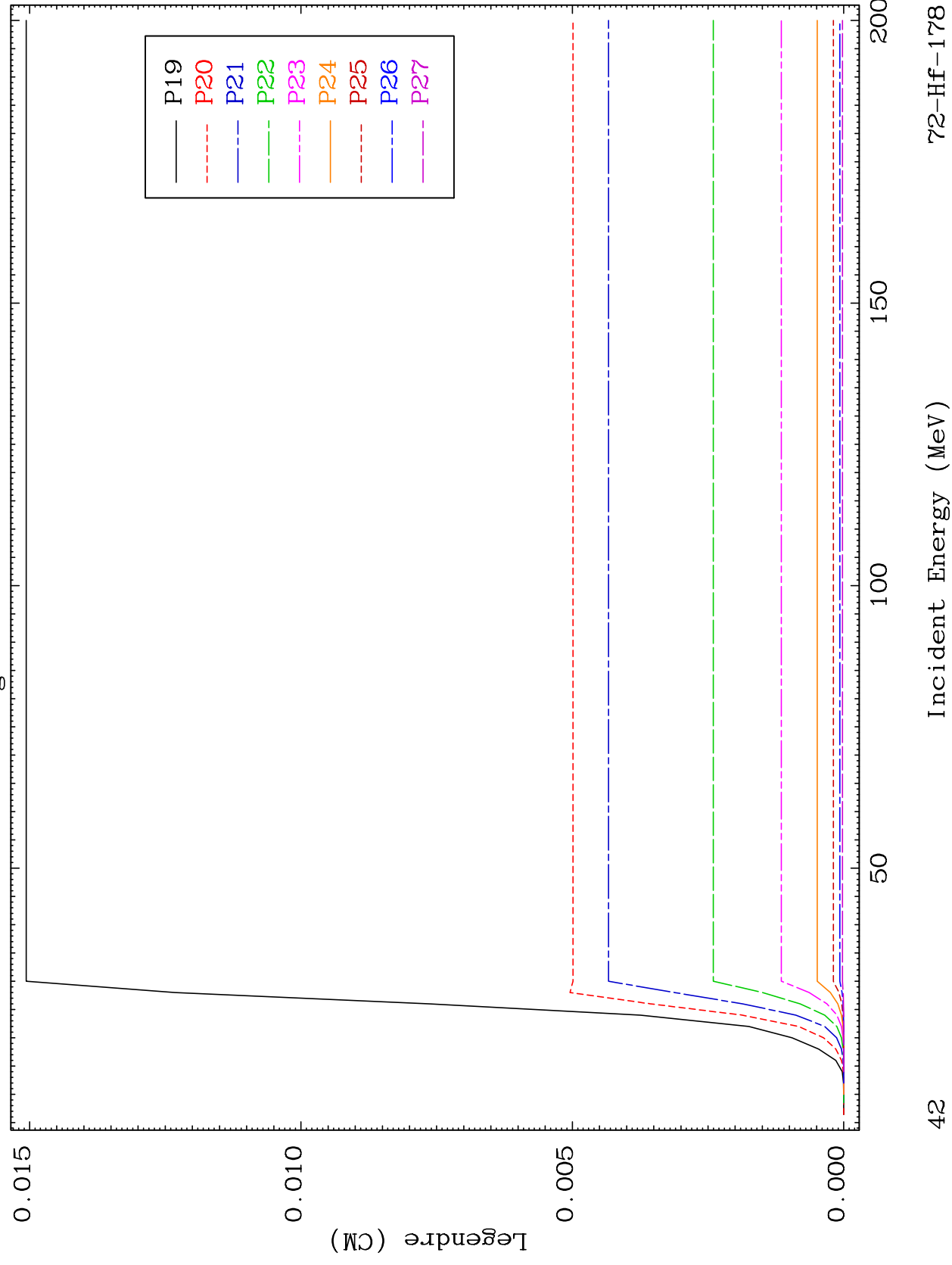
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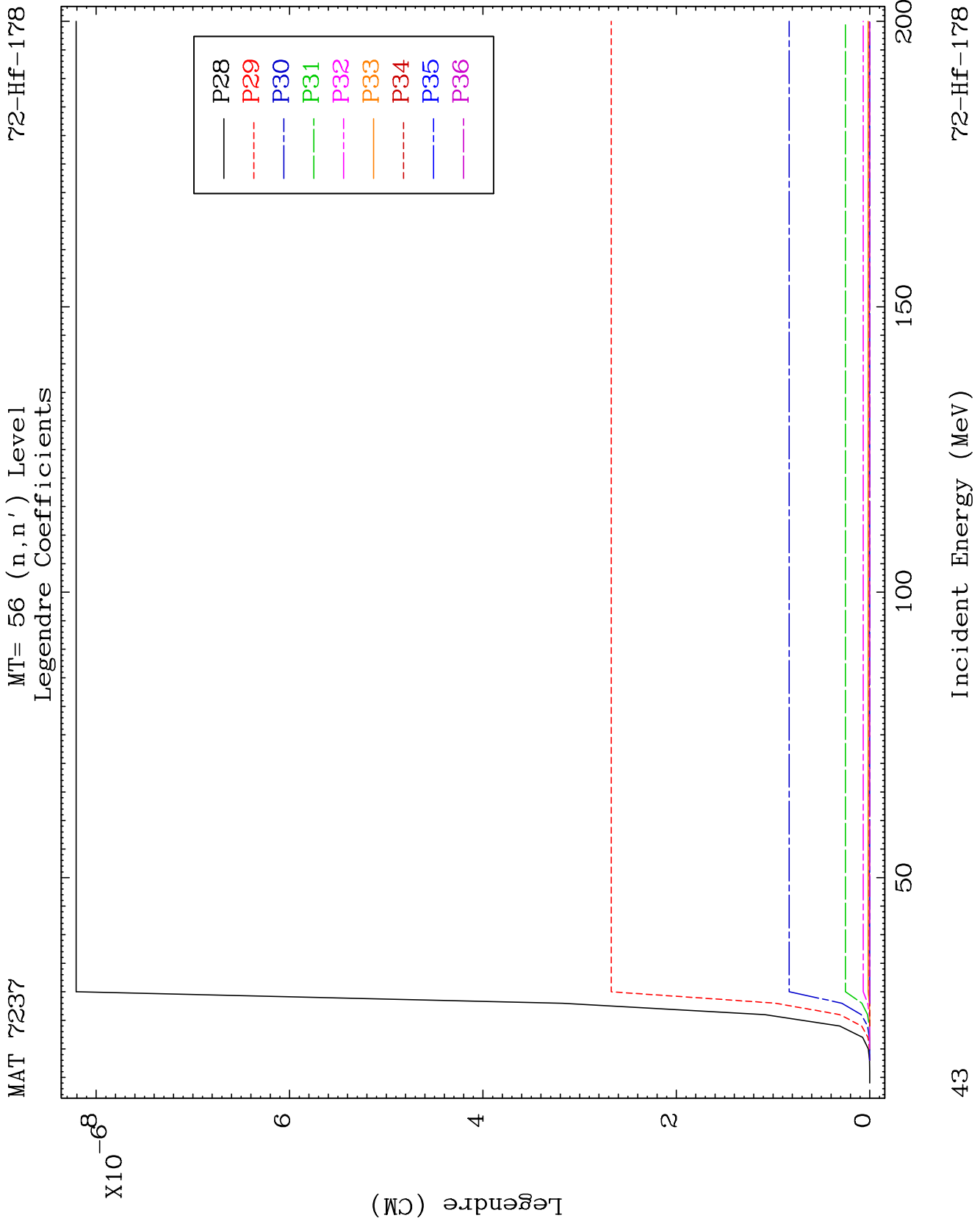


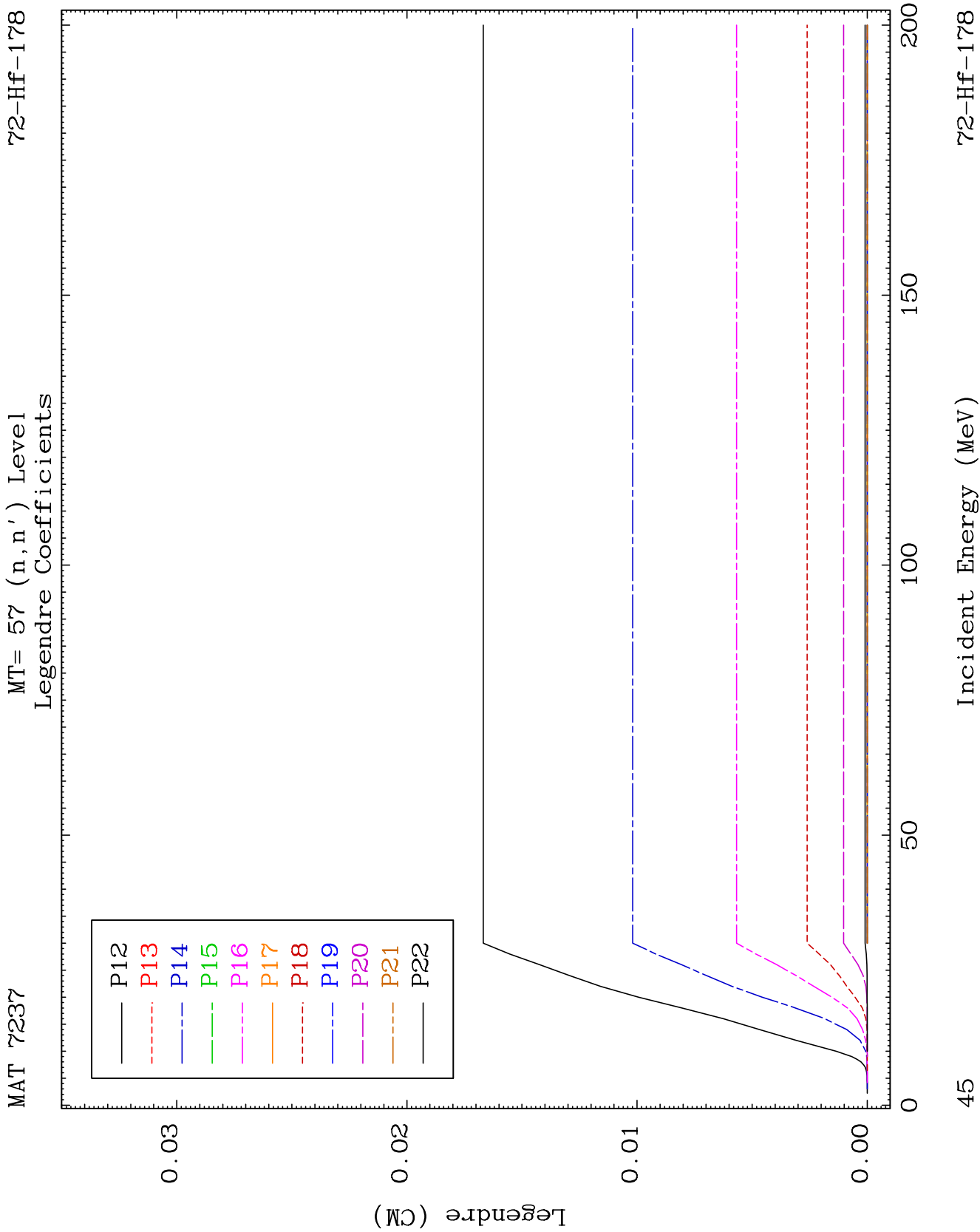
MAT 7237

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

72-Hf-178



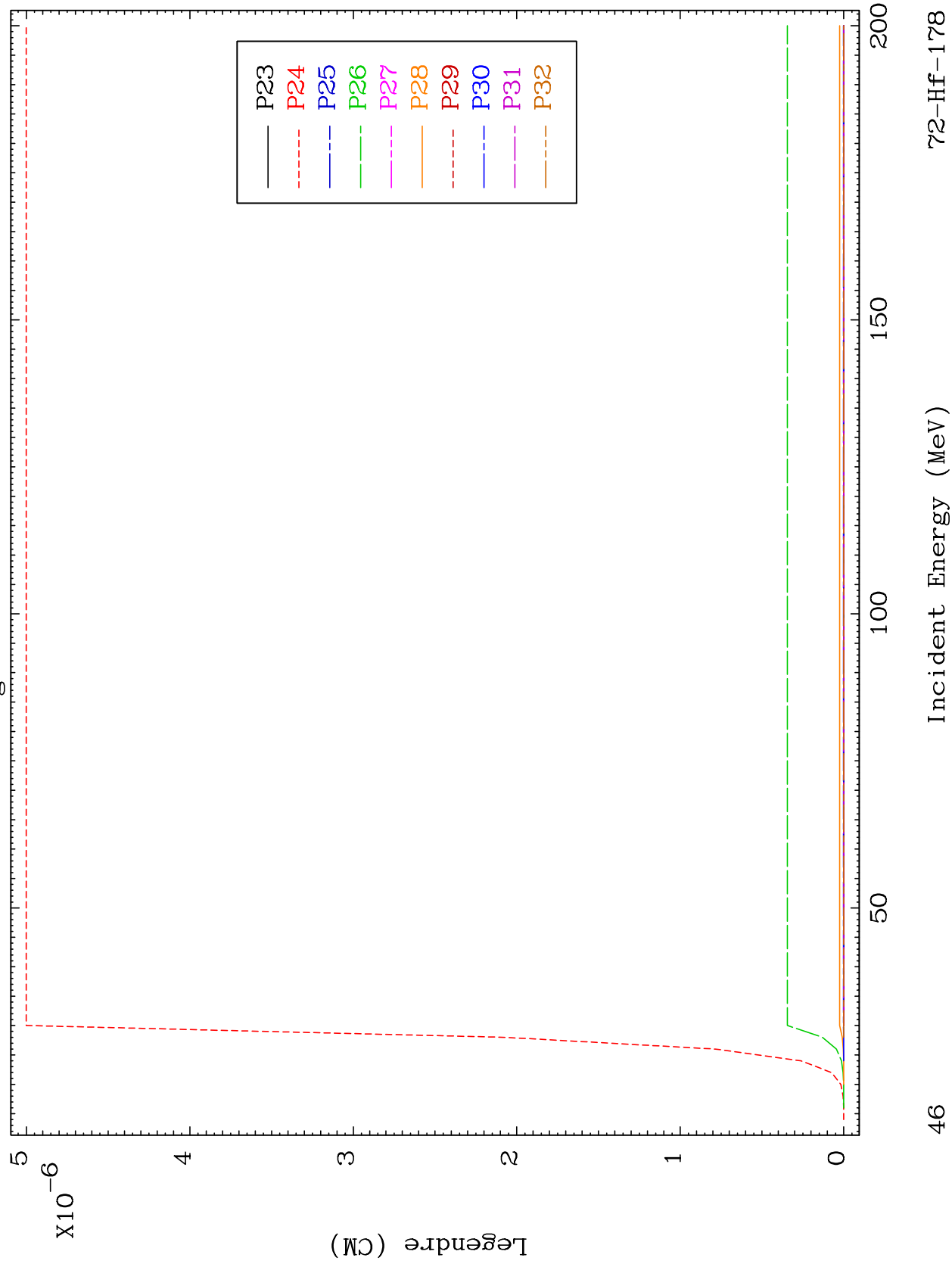




MAT 7237

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

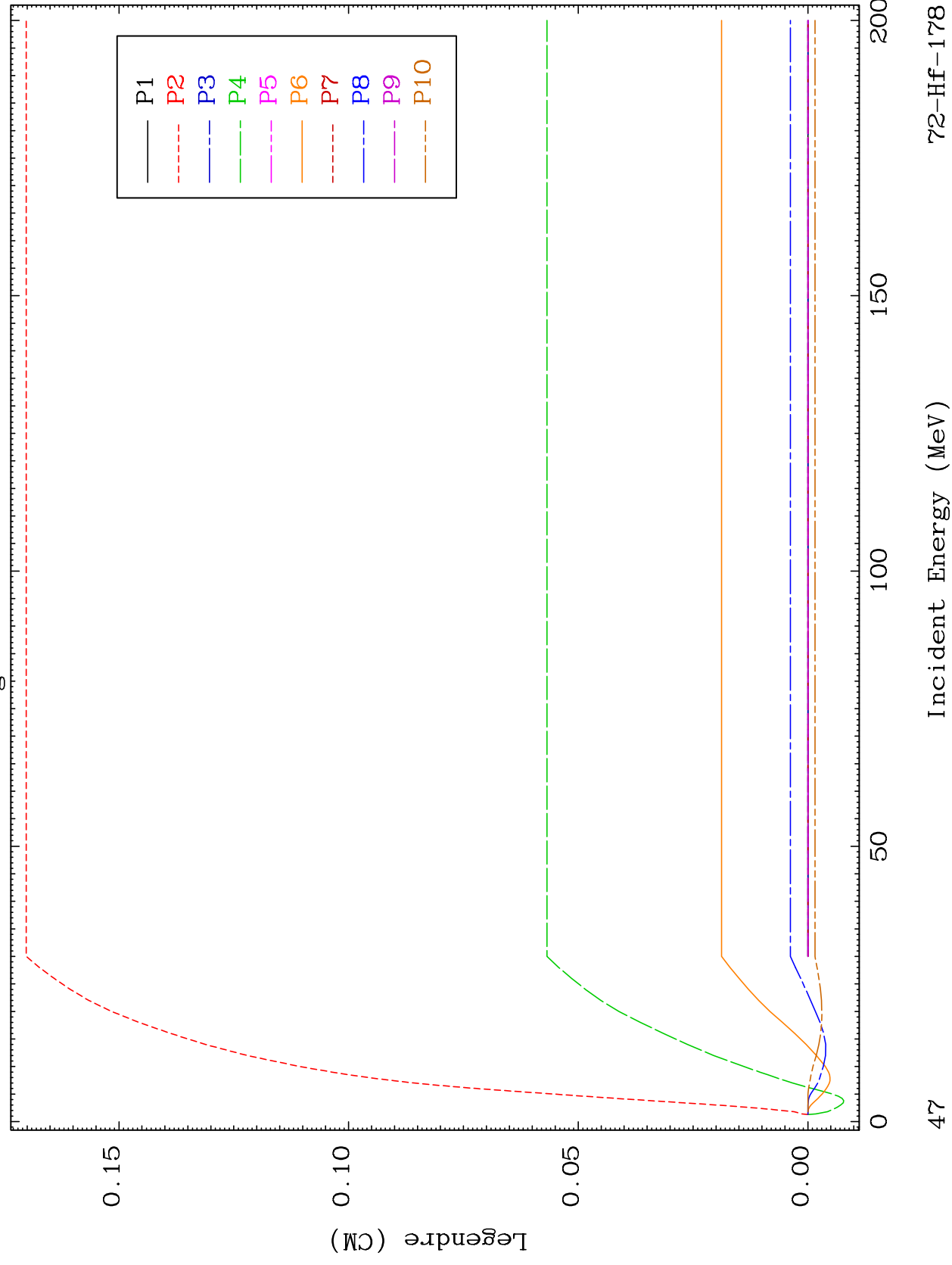
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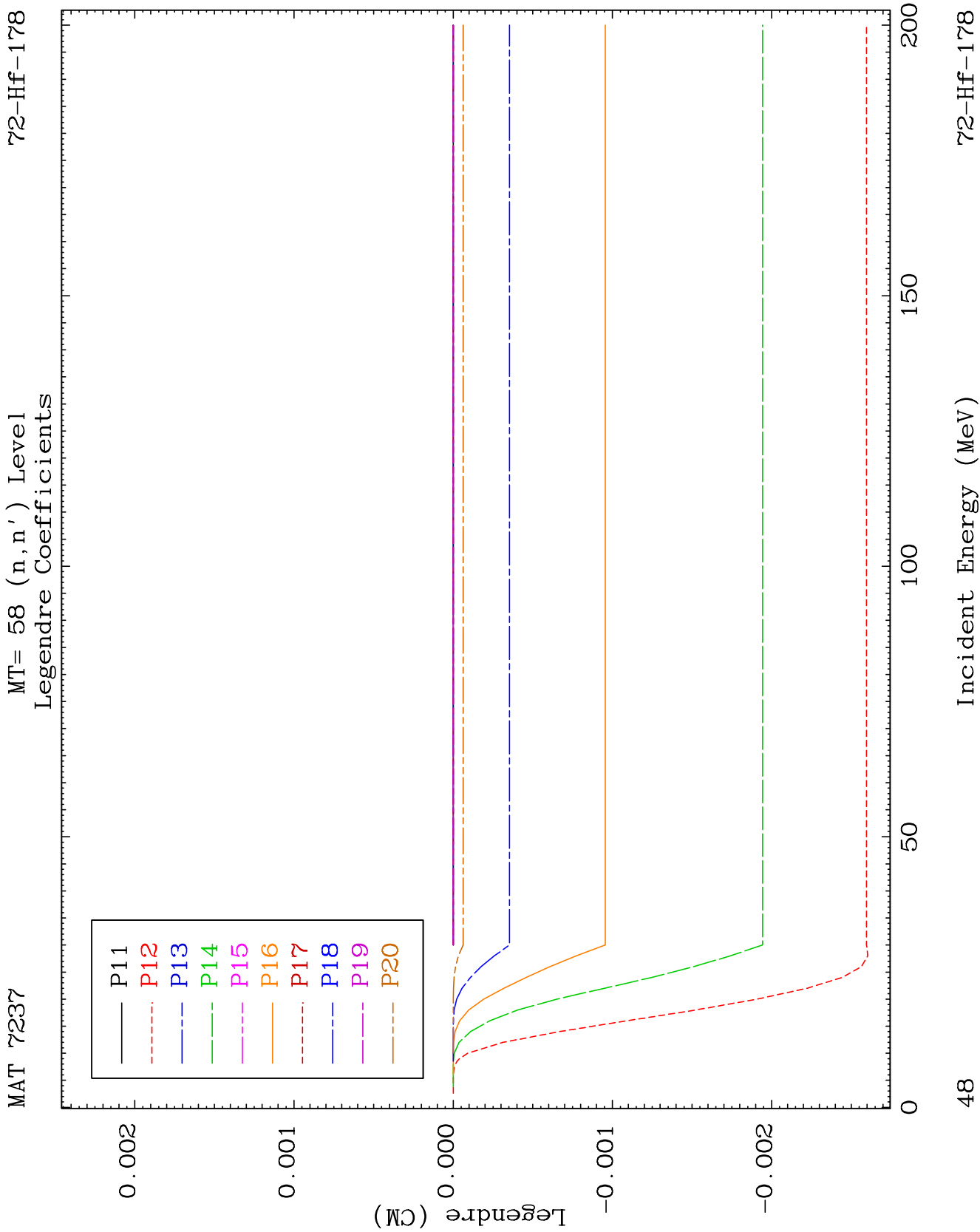


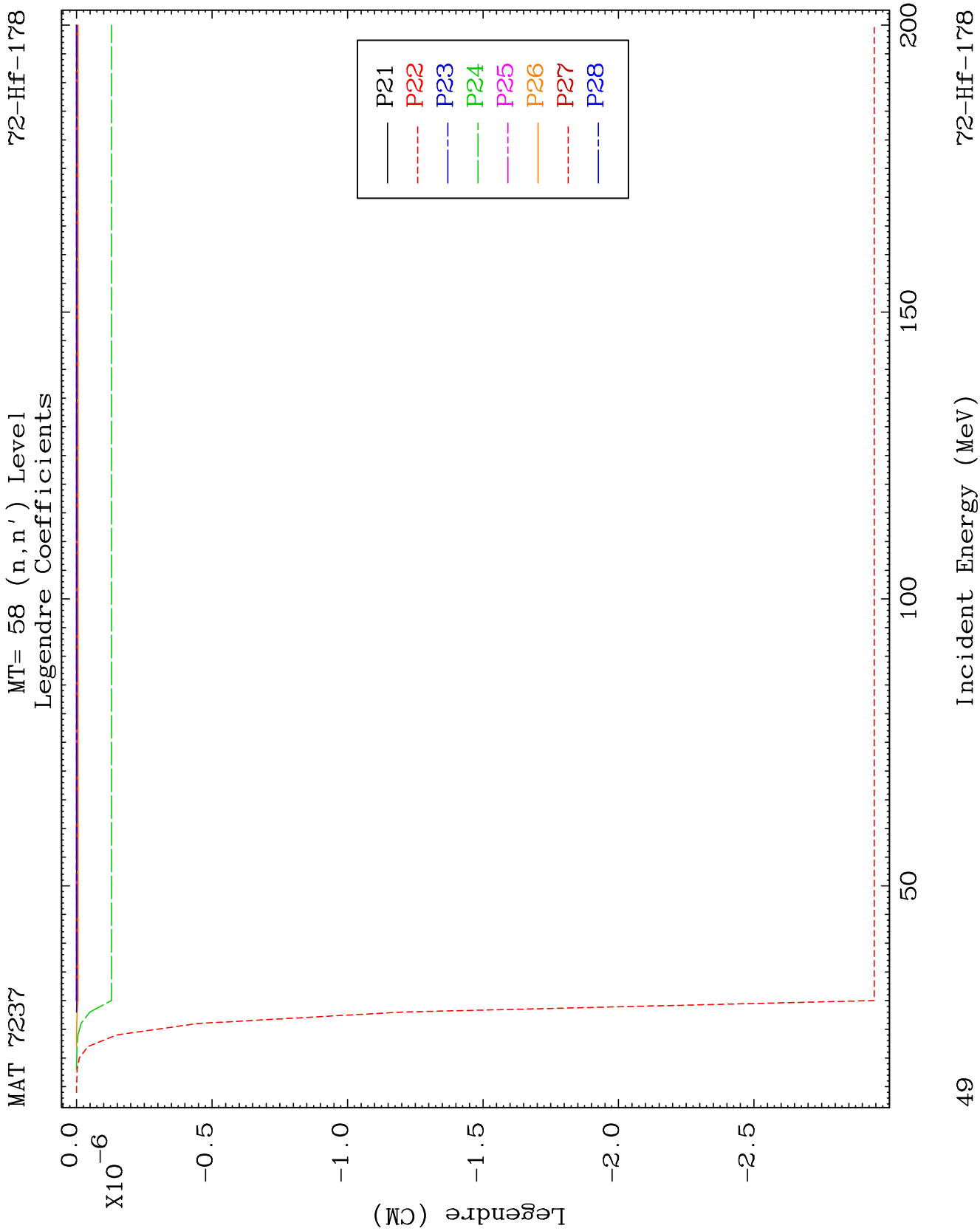
MAT 7237

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

72-Hf-178



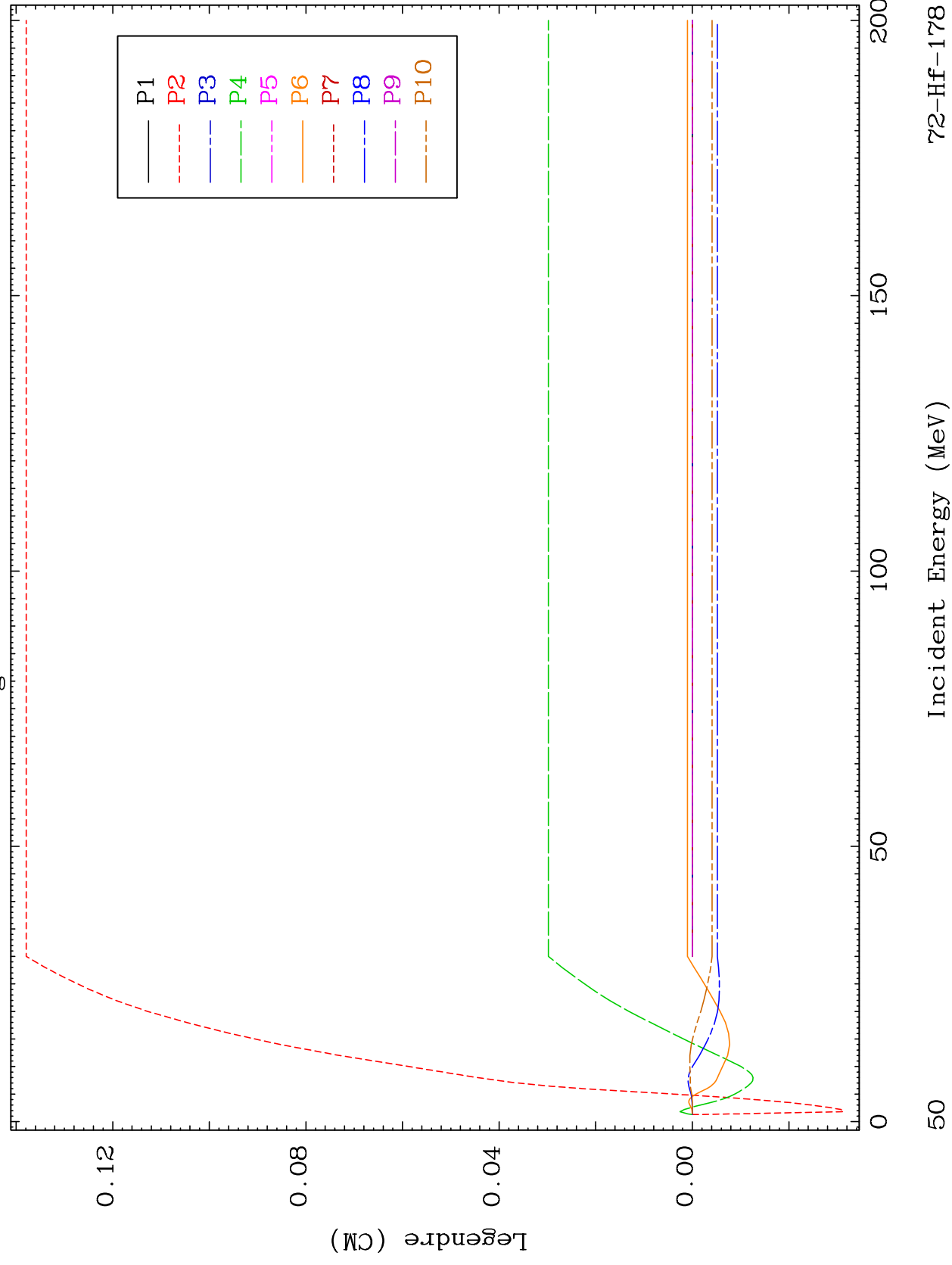


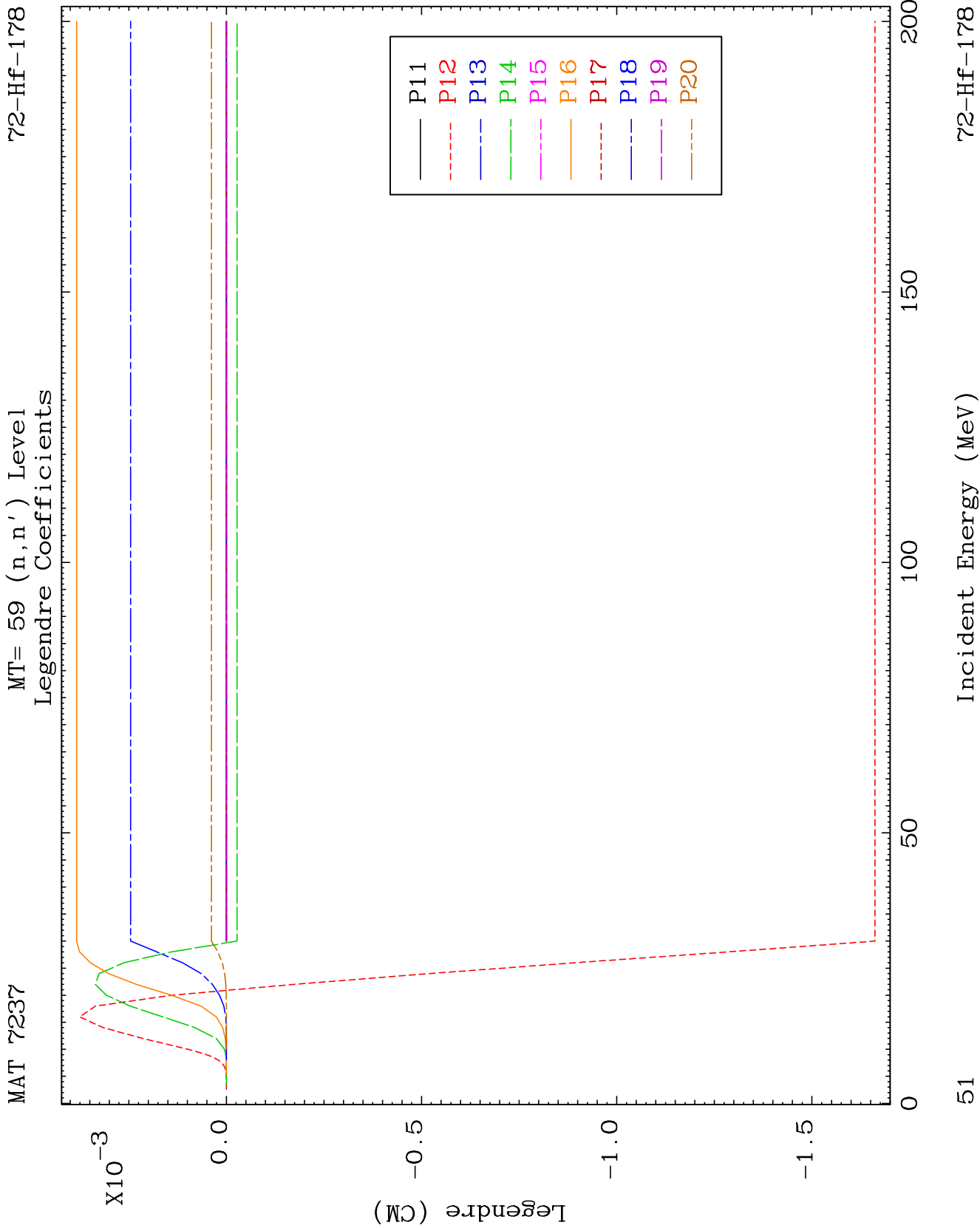


MAT 7237

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

72-Hf-178

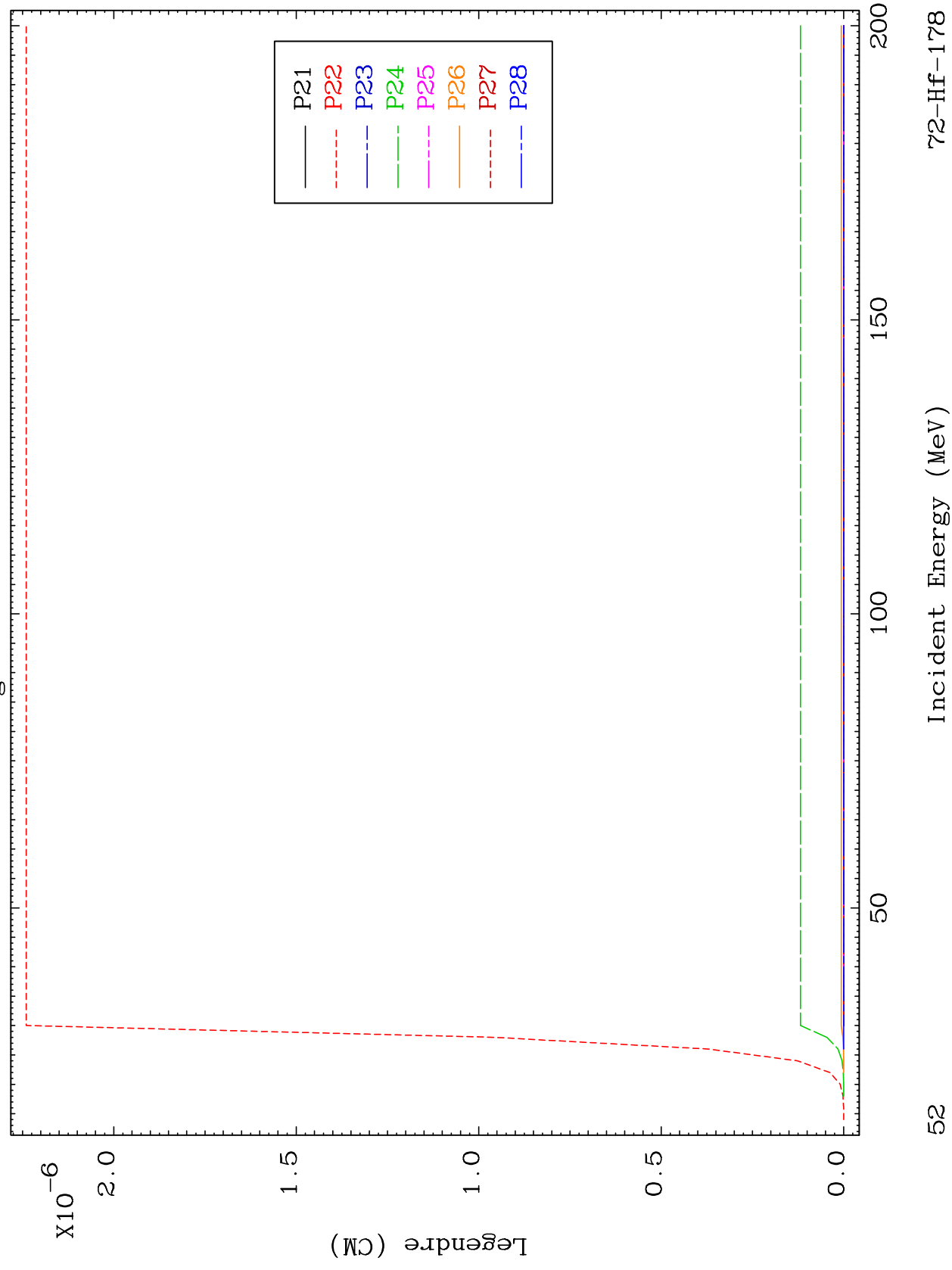


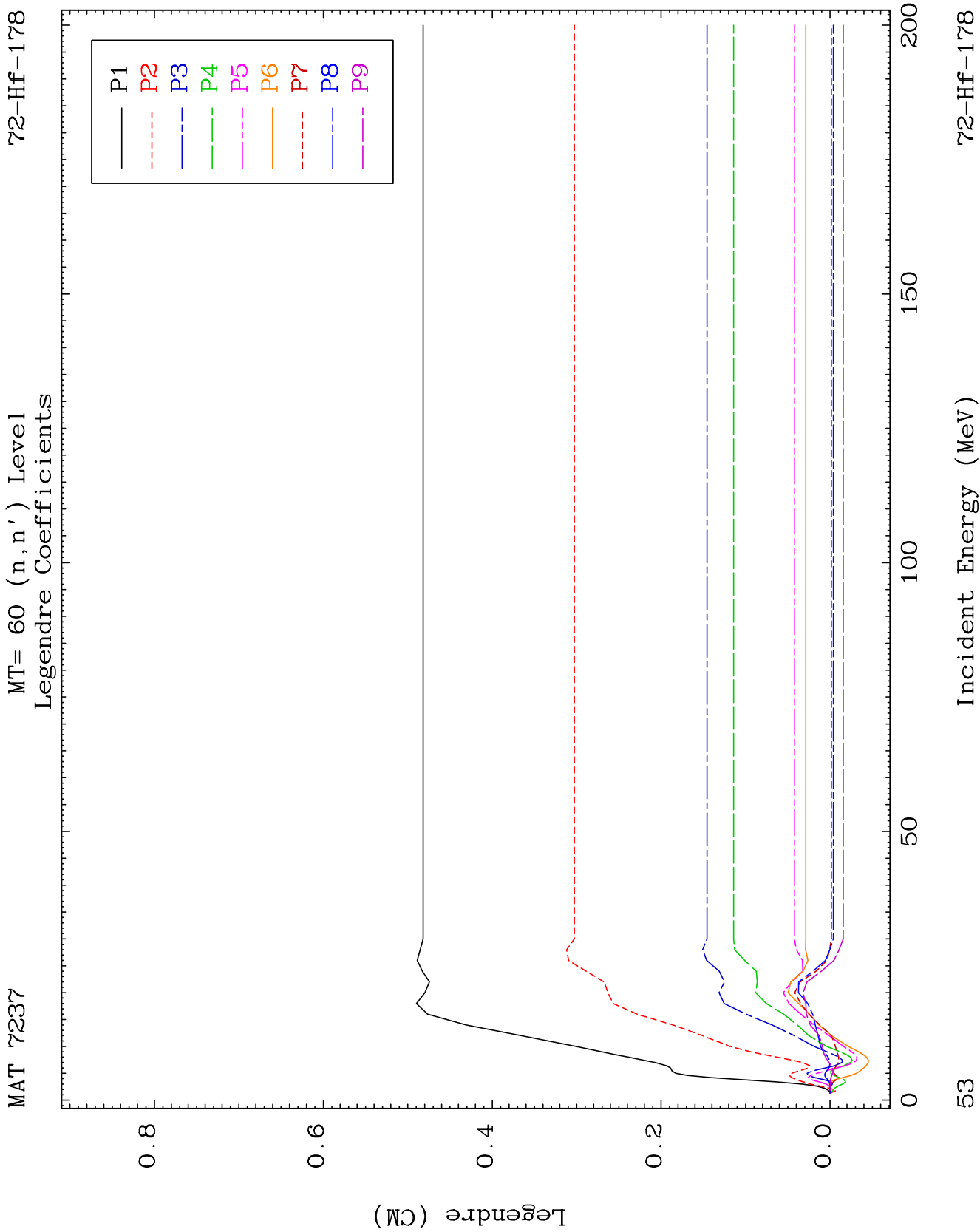


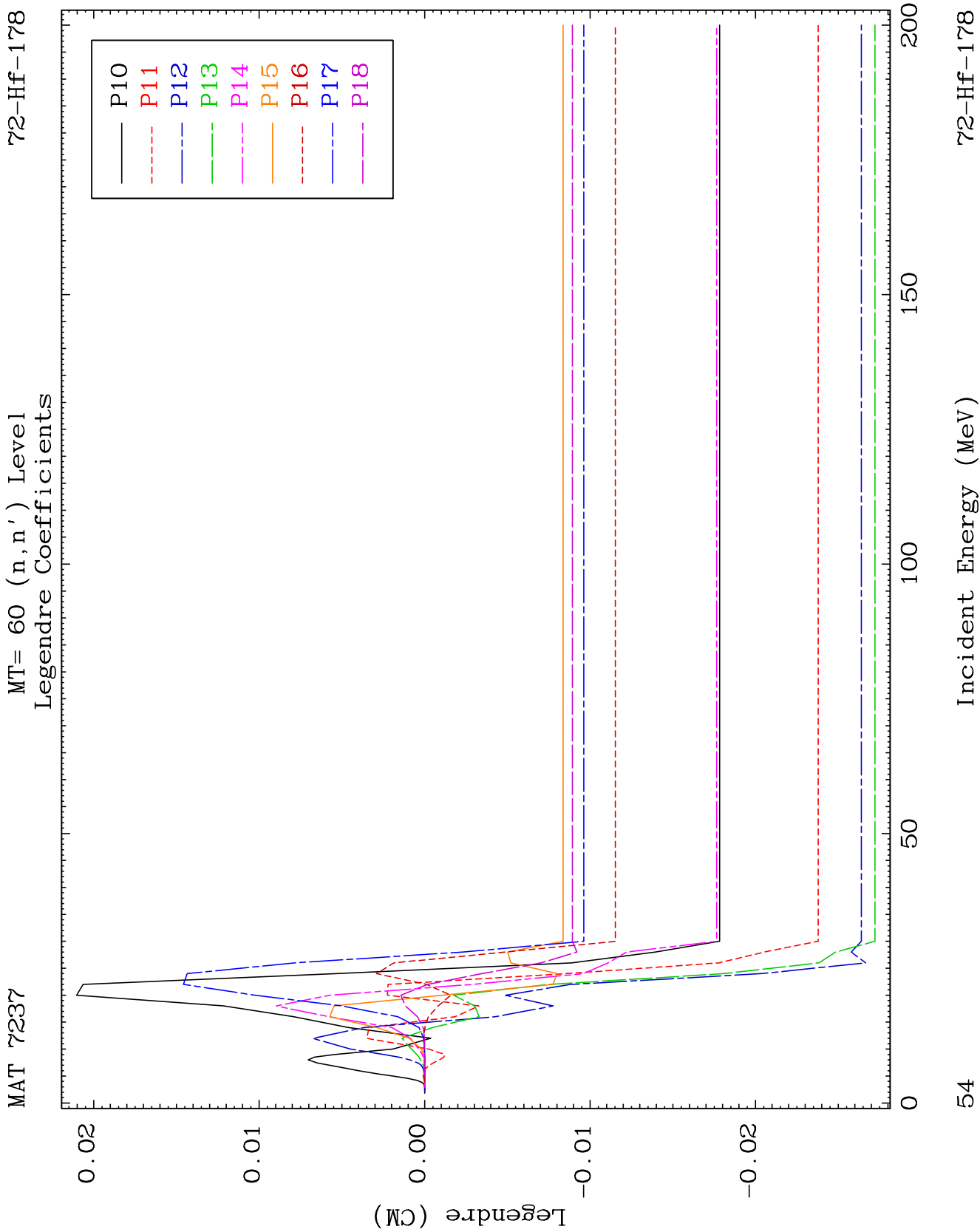
MAT 7237

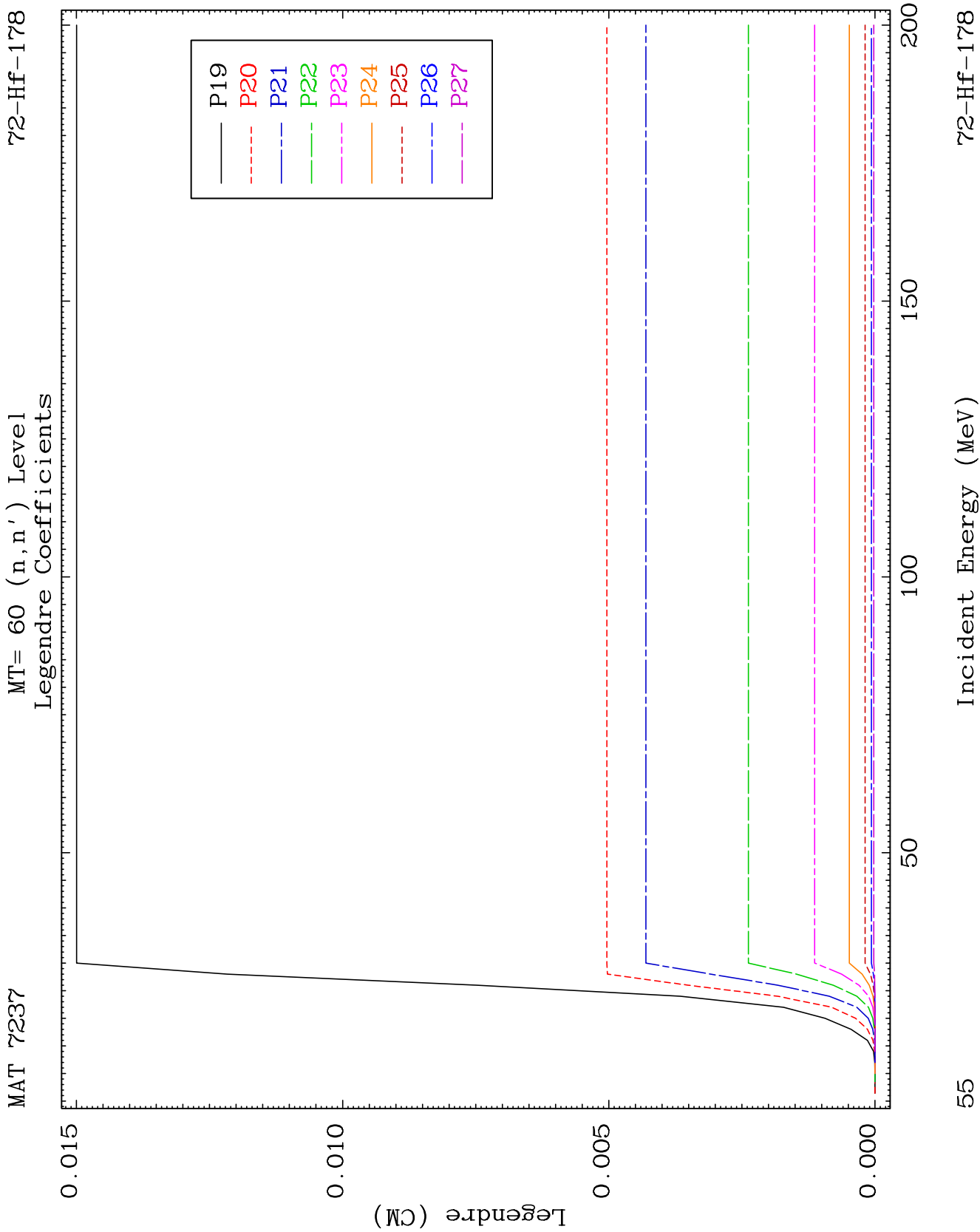
MT= 59 (n, n') Level
Legendre Coefficients

72-Hf-178





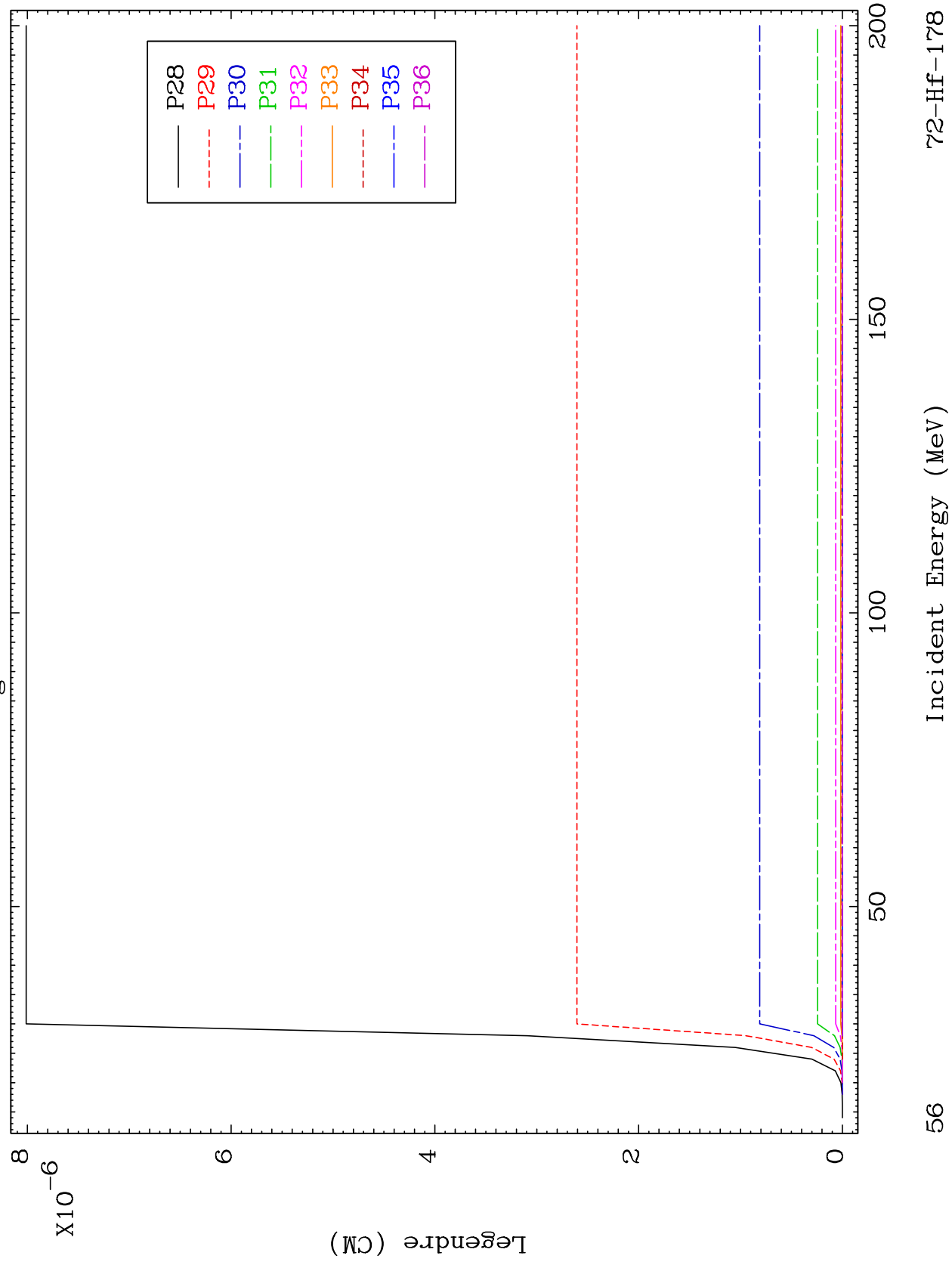




MAT 7237

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

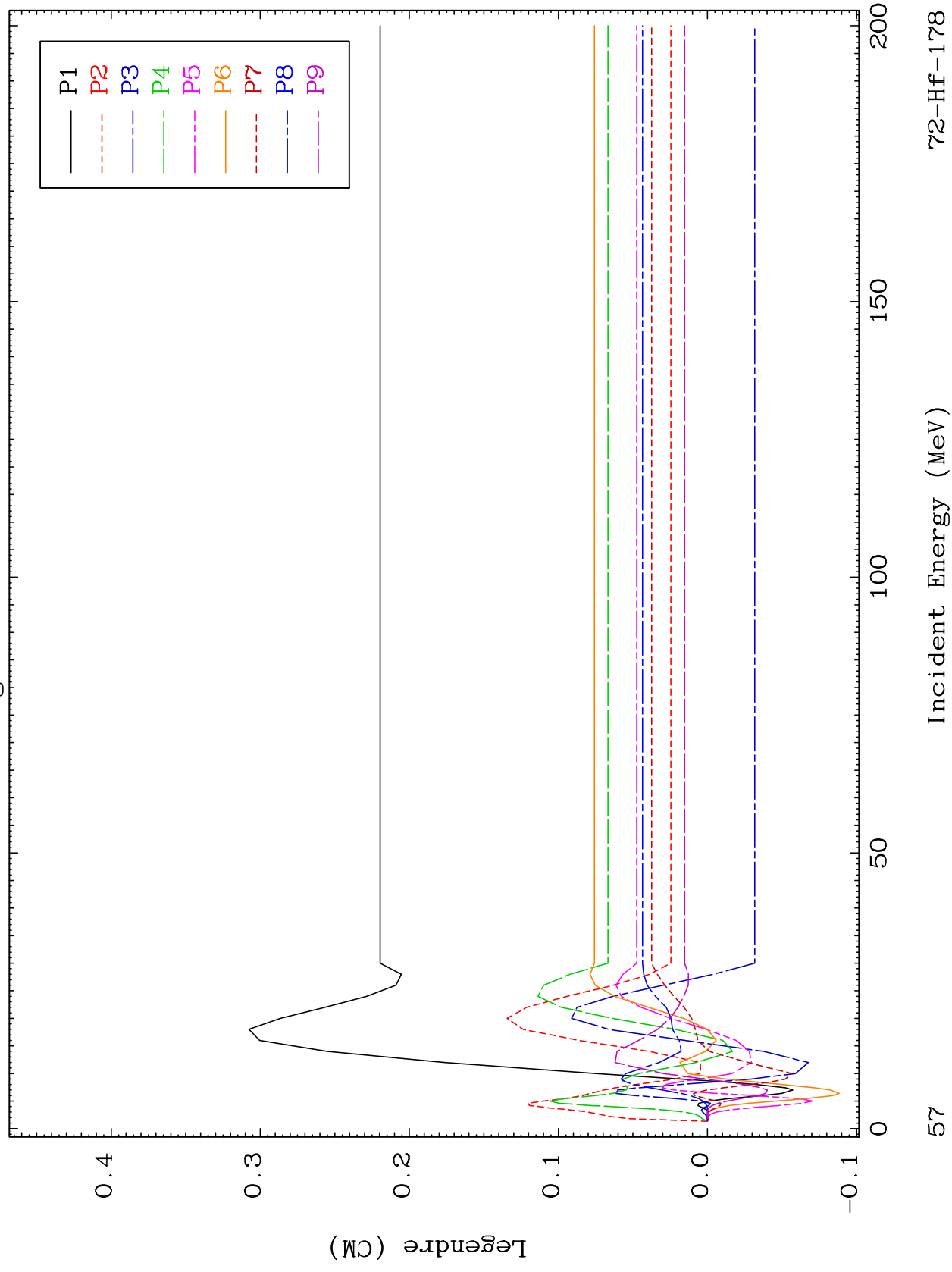
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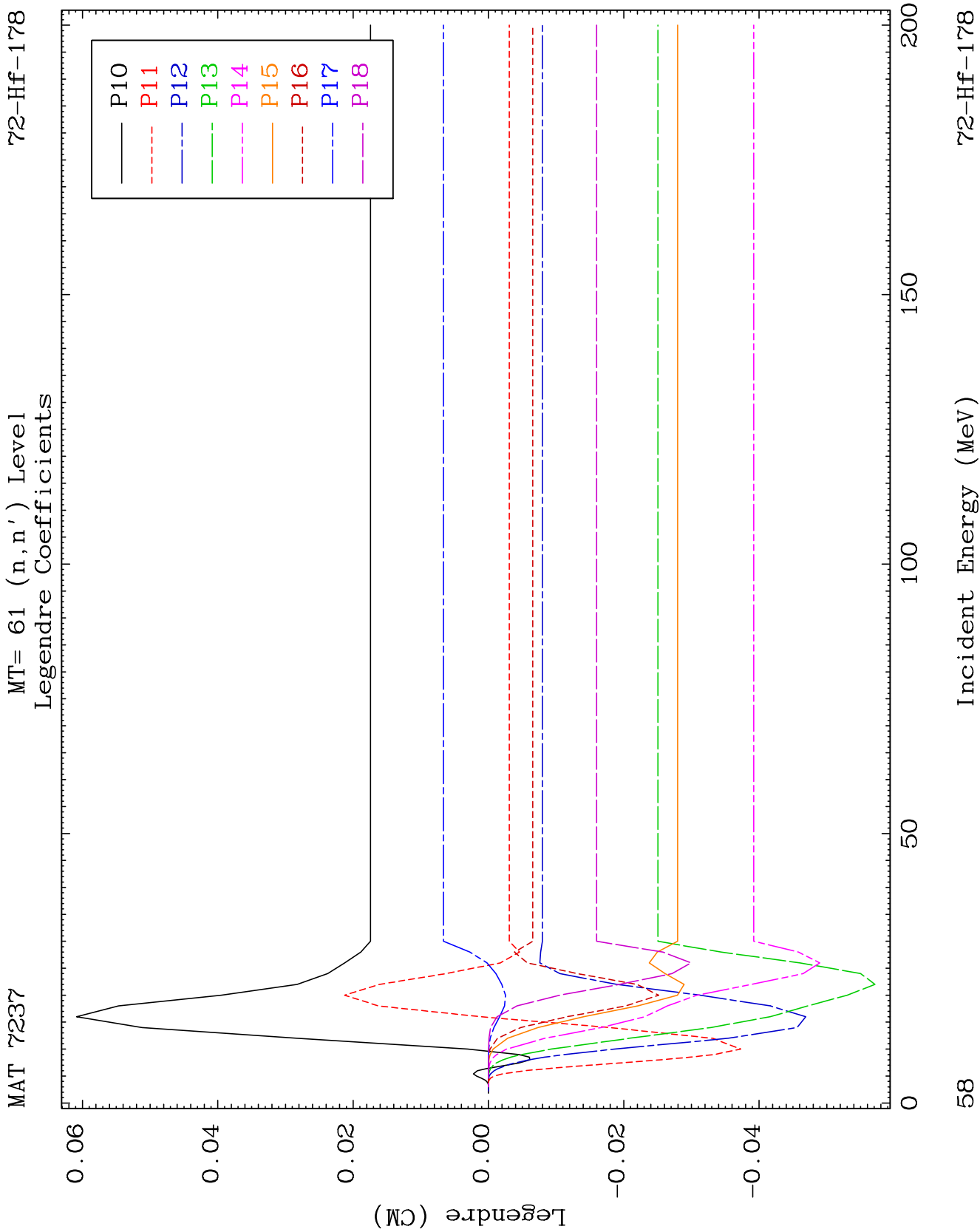


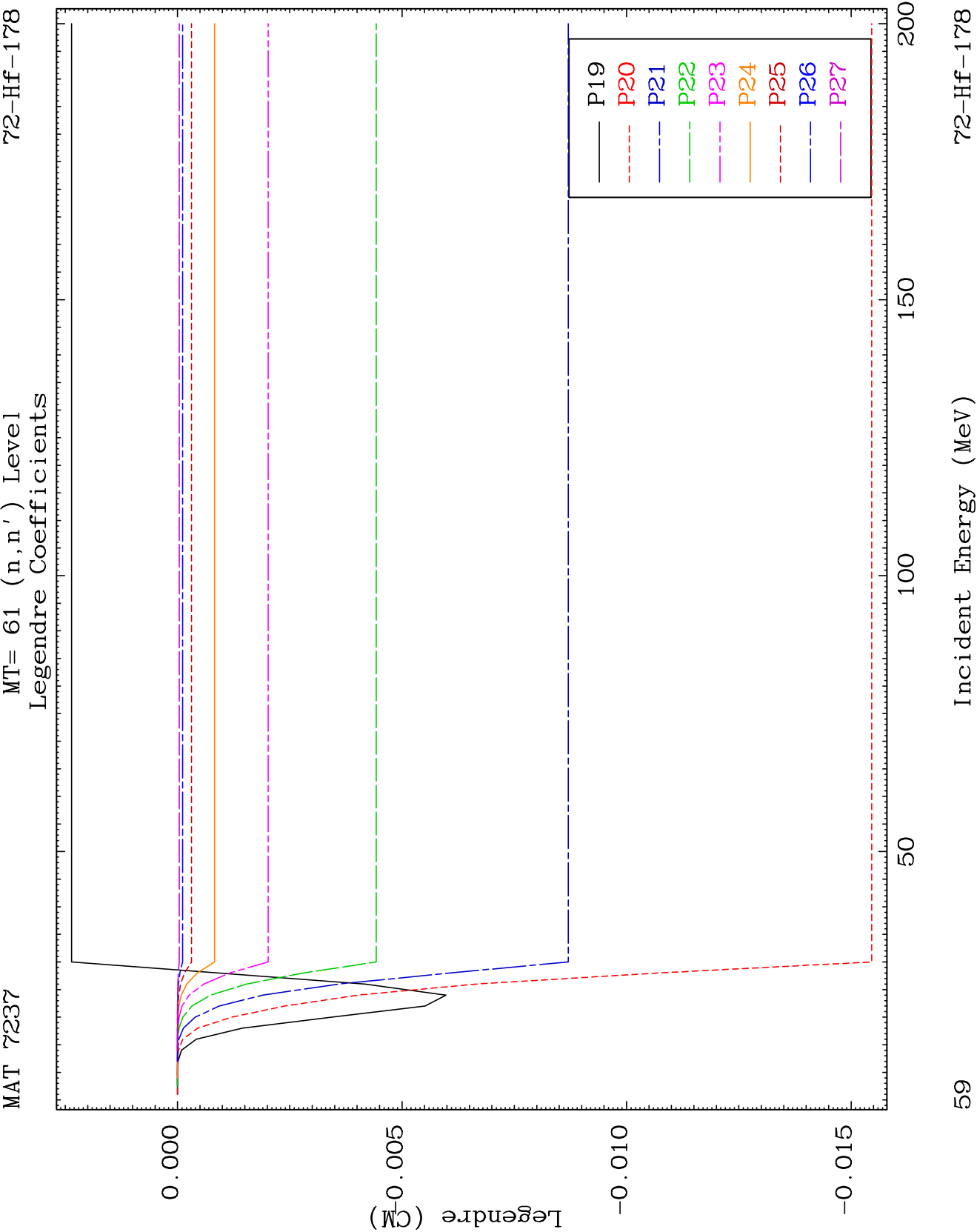
MAT 7237

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

72-Hf-178



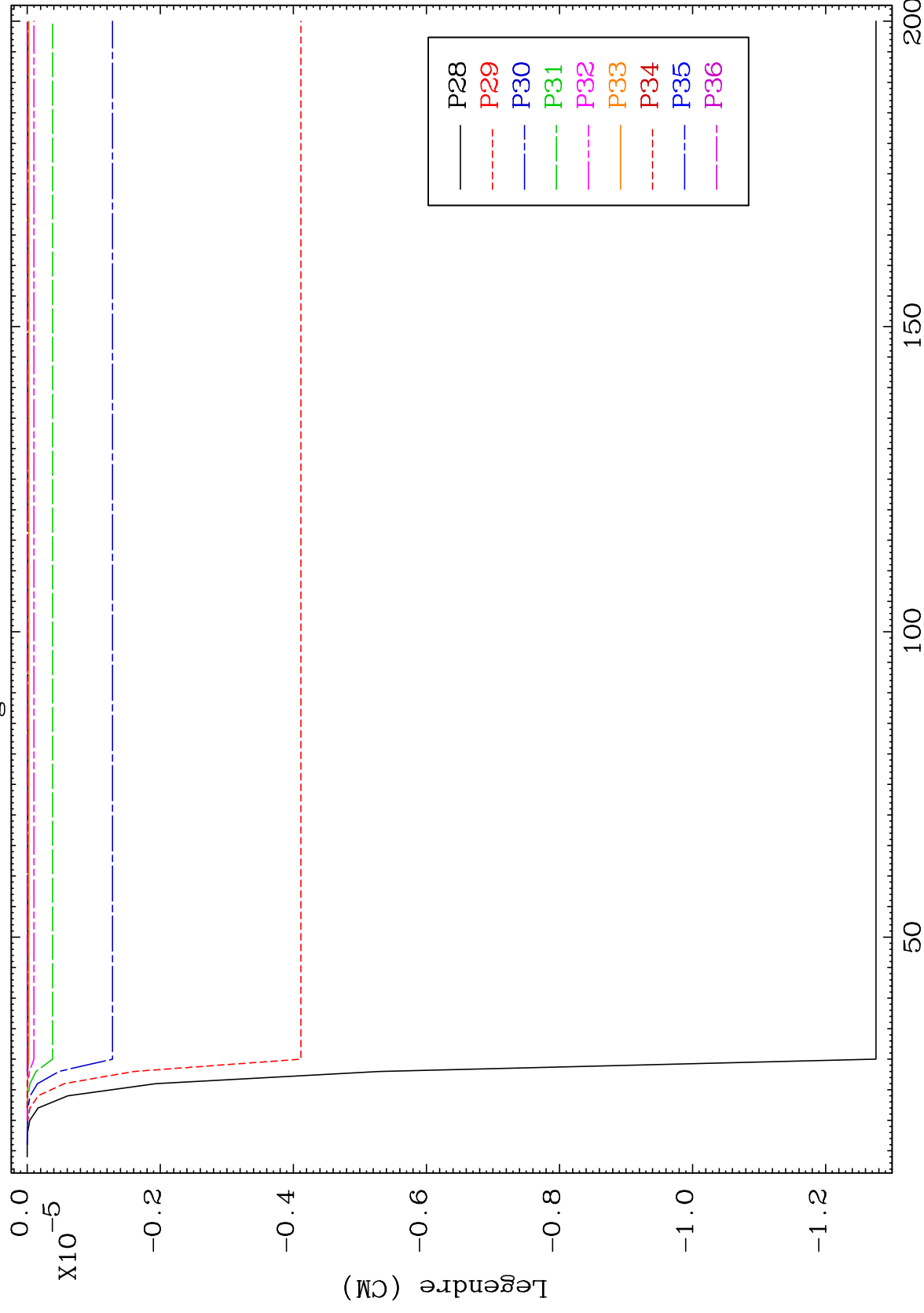




MAT 7237

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

72-Hf-178



99

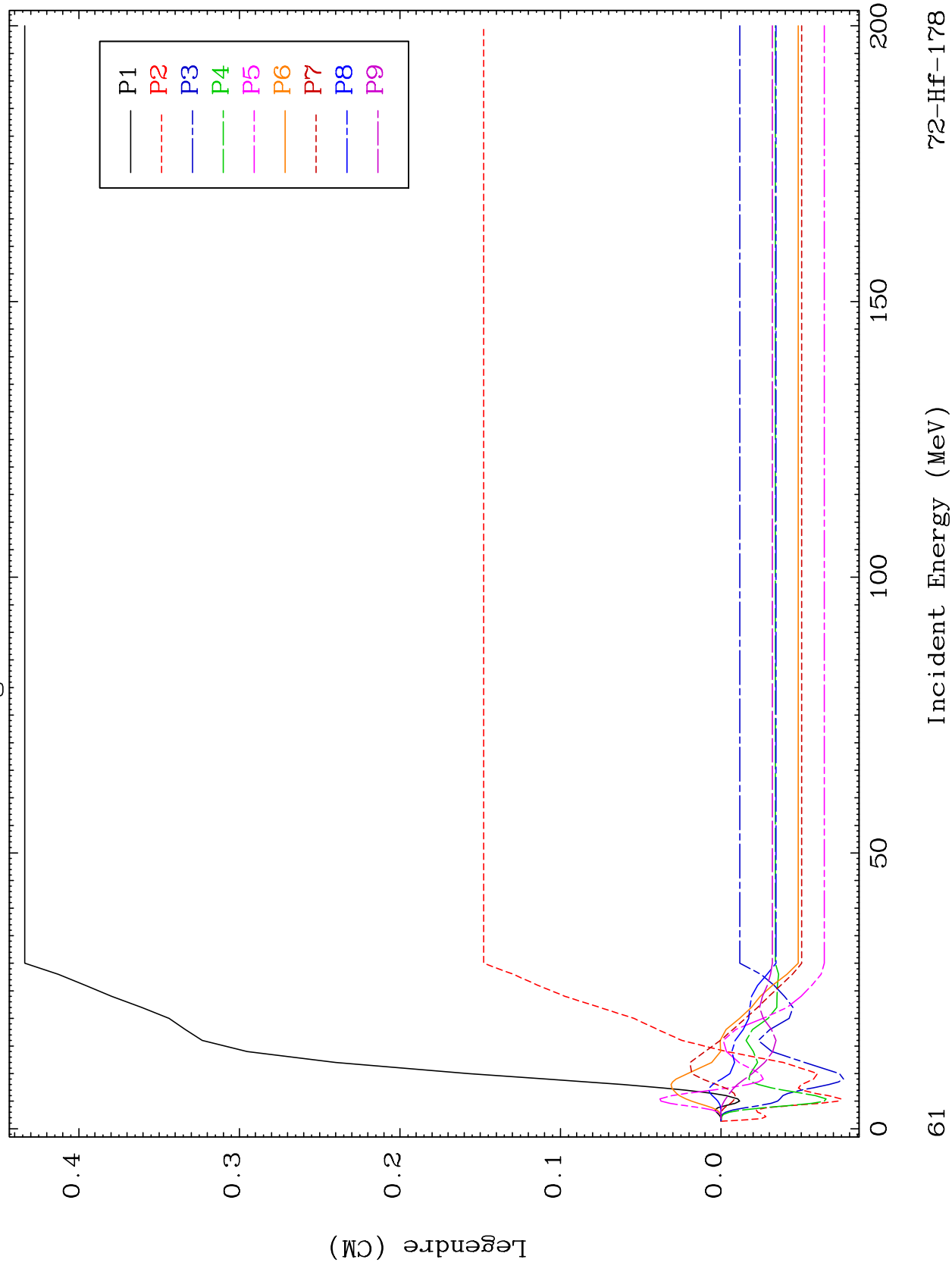
Incident Energy (MeV)

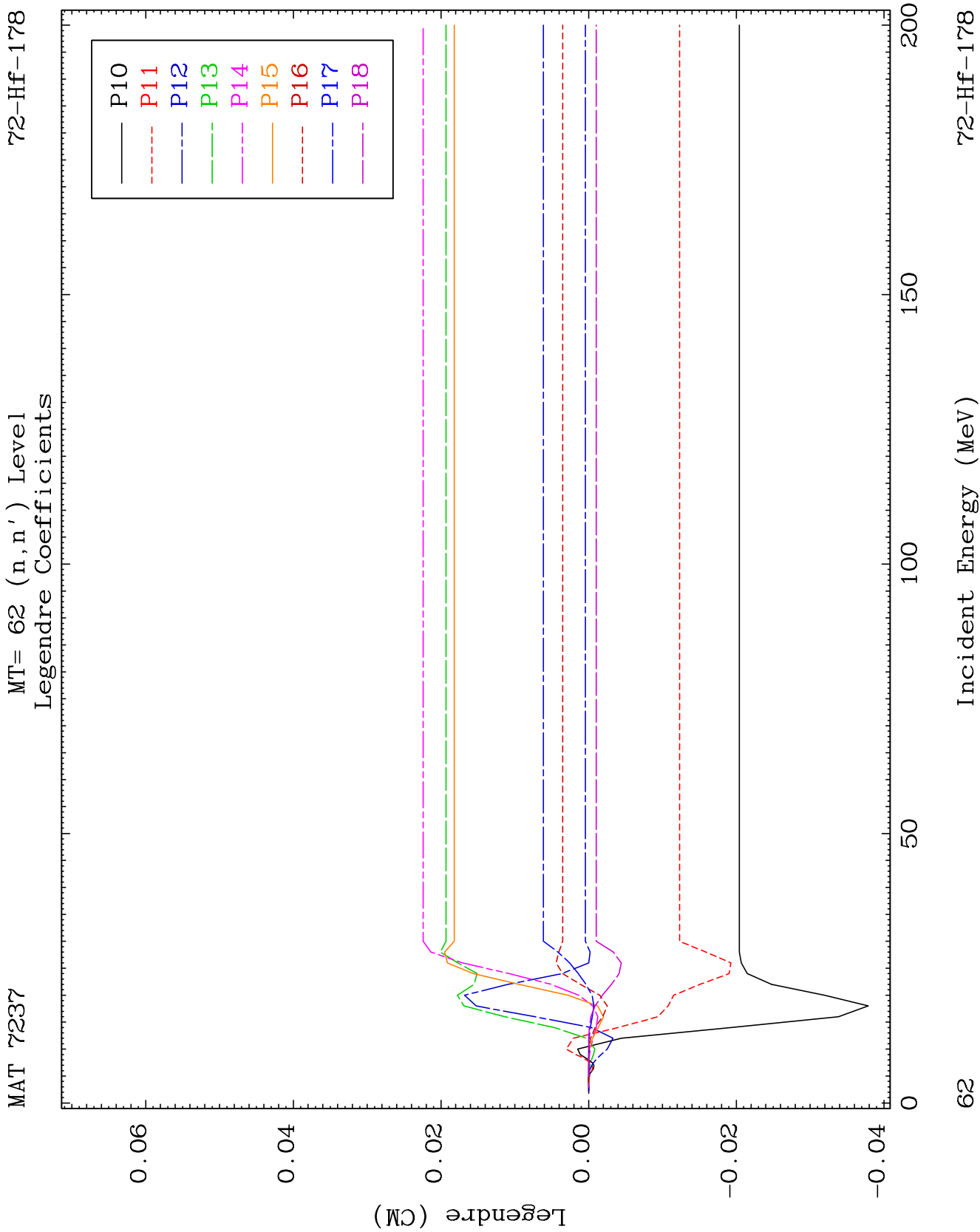
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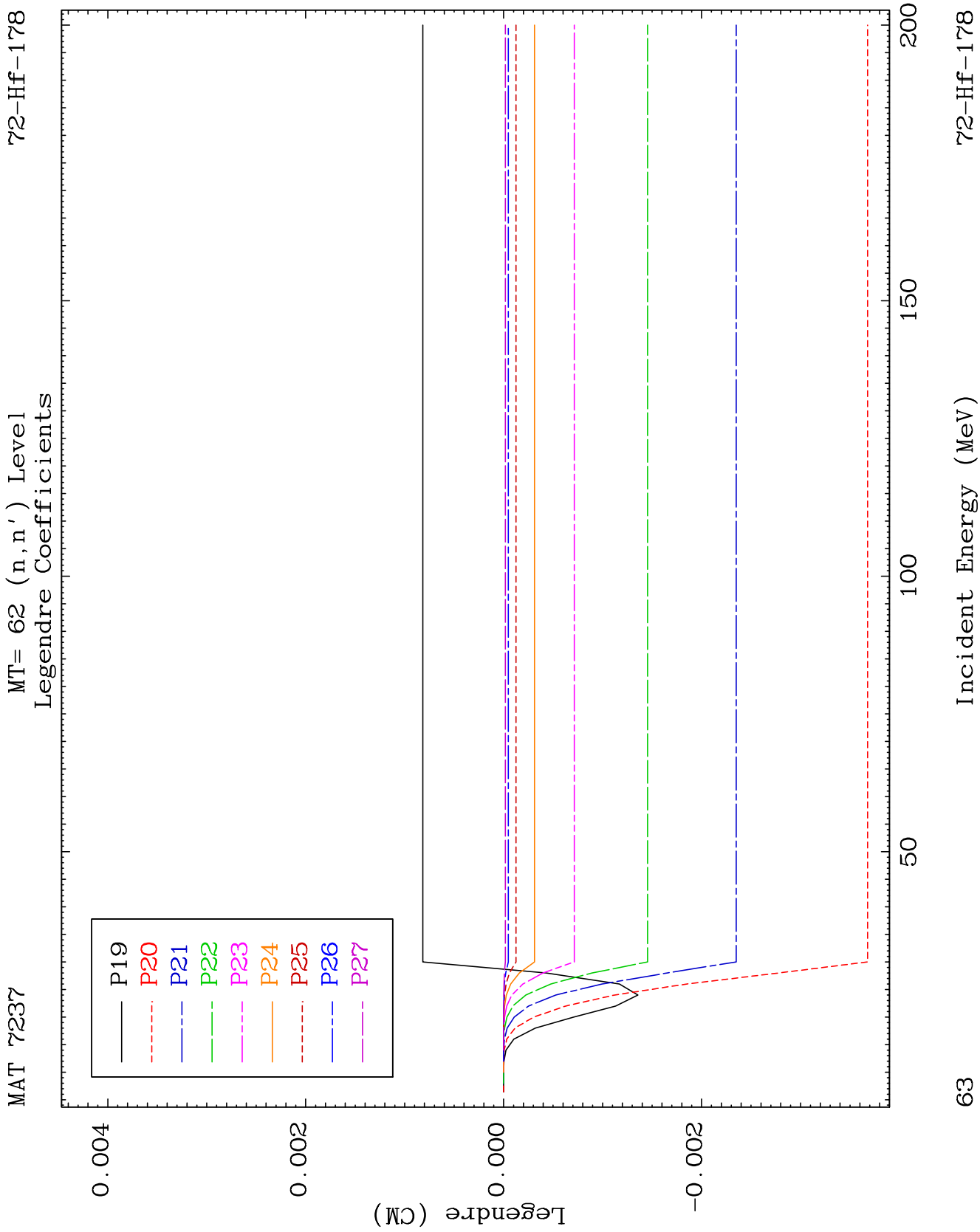
MAT 7237

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

72-Hf-178



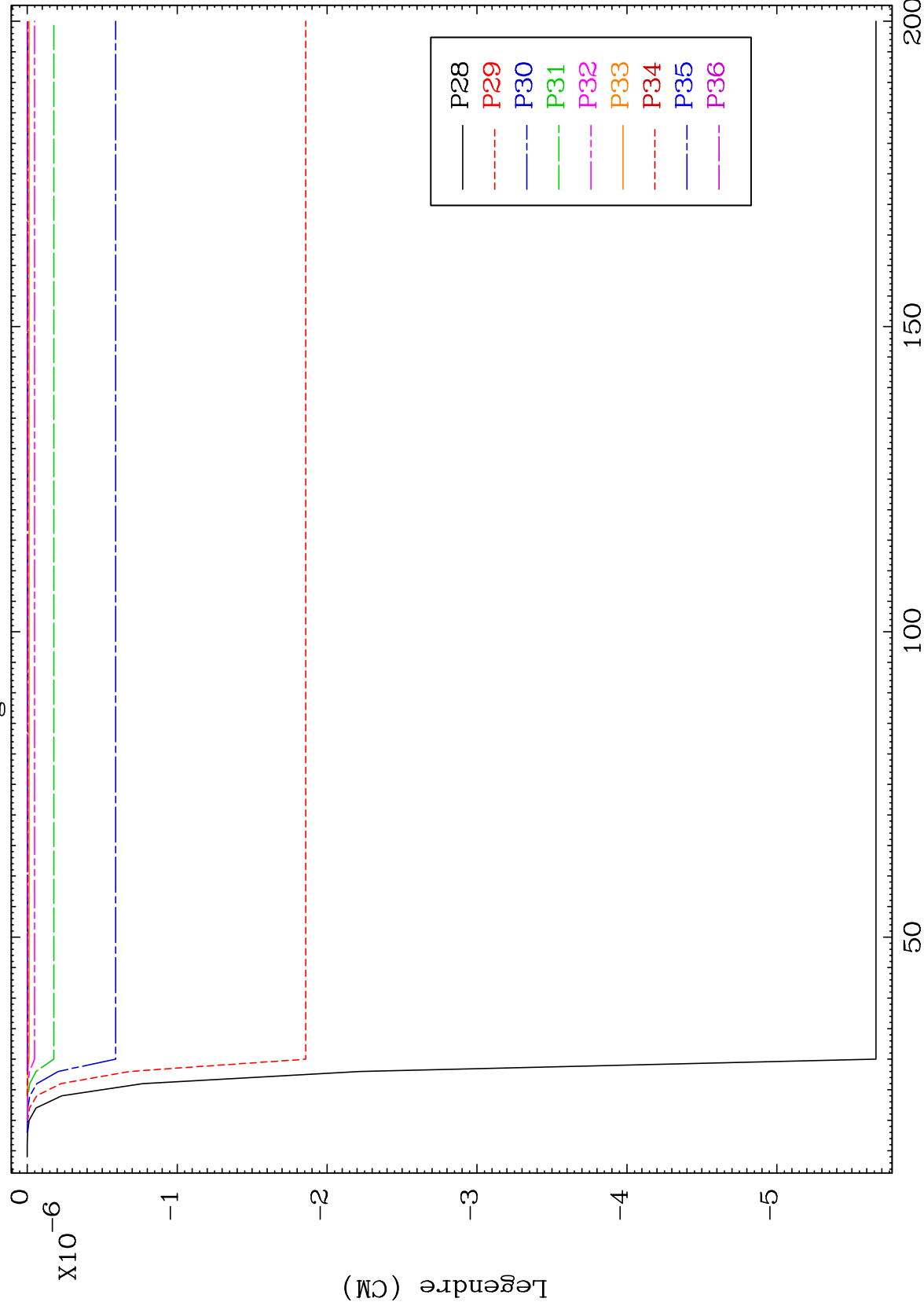




MAT 7237

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

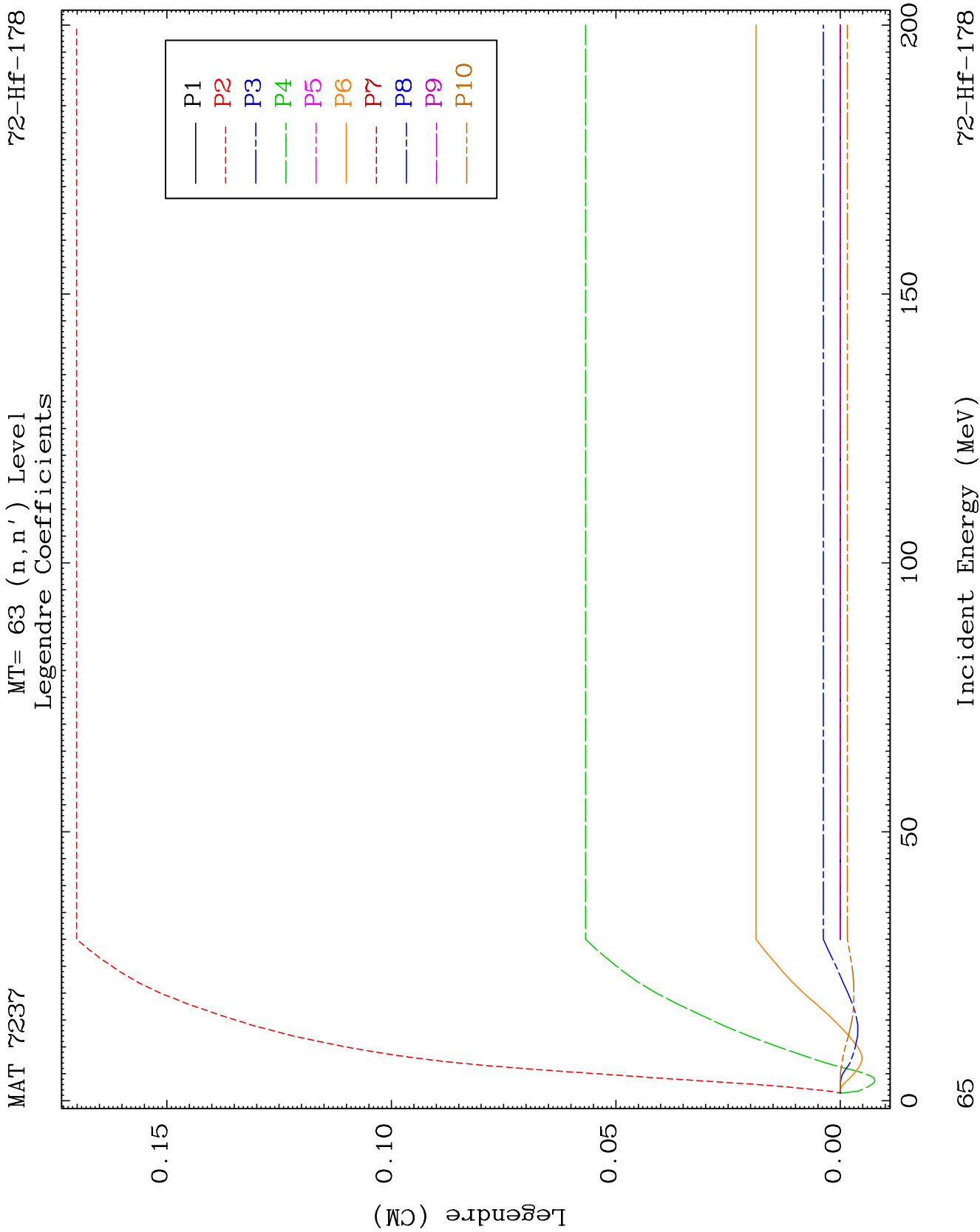
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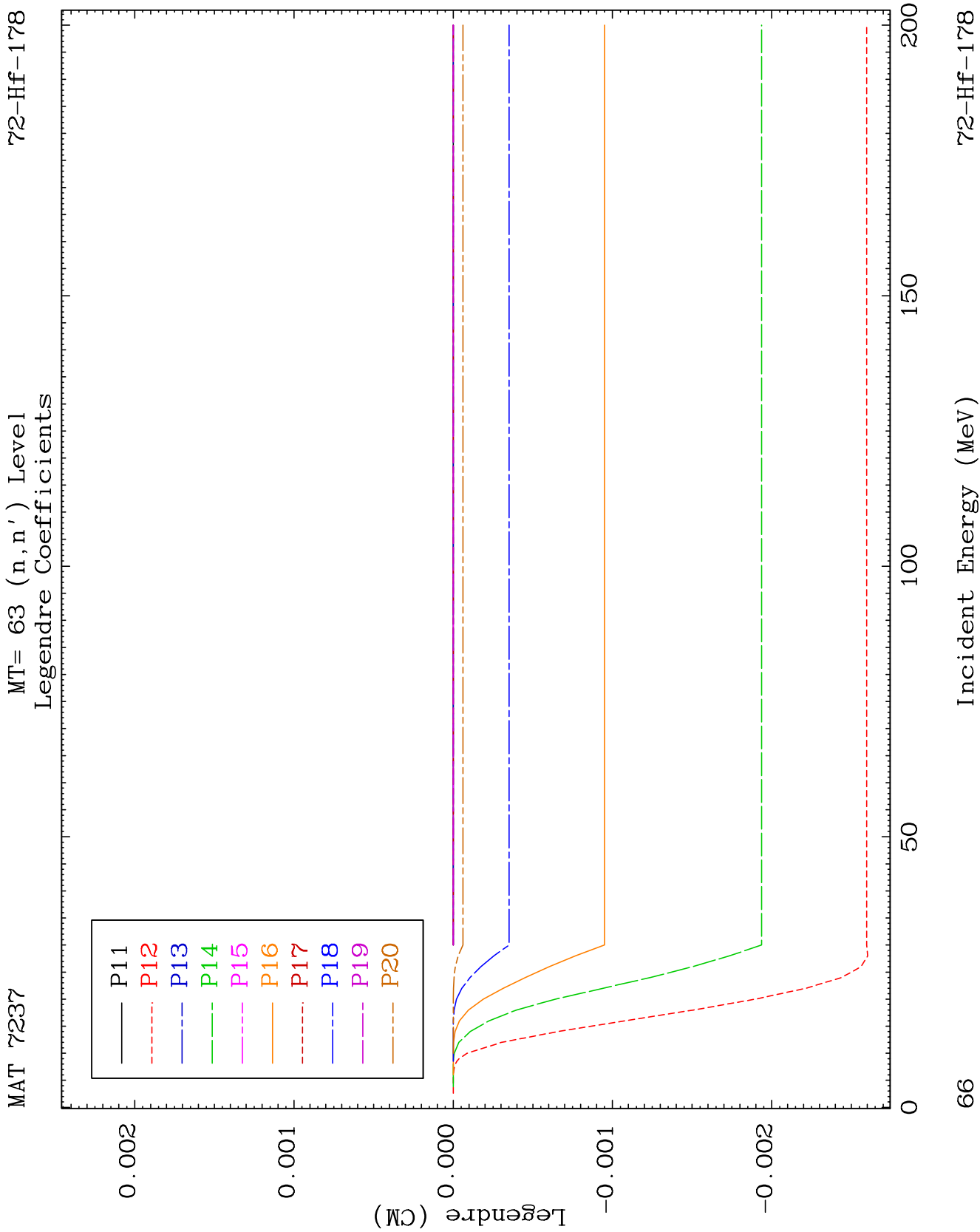


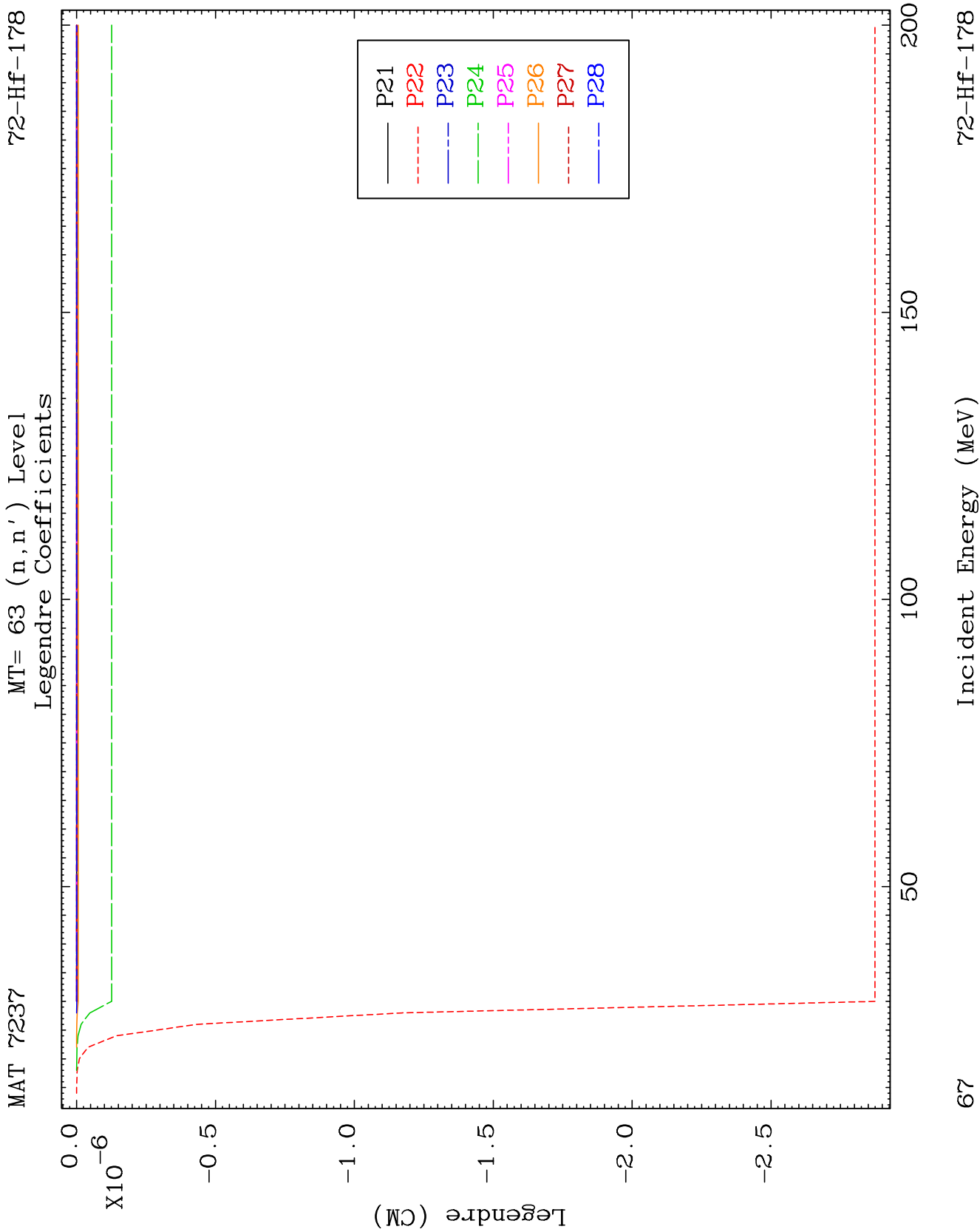
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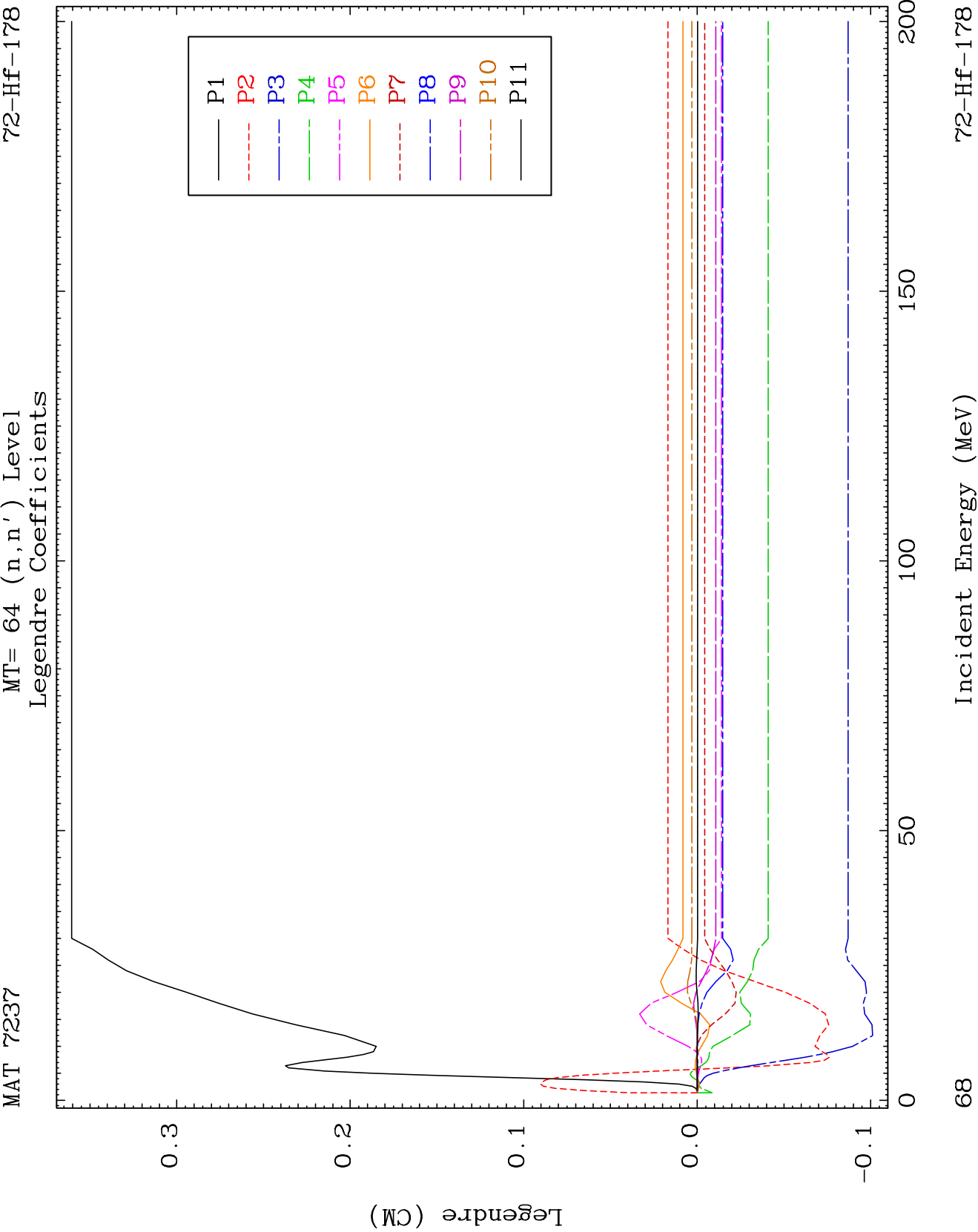
Incident Energy (MeV)

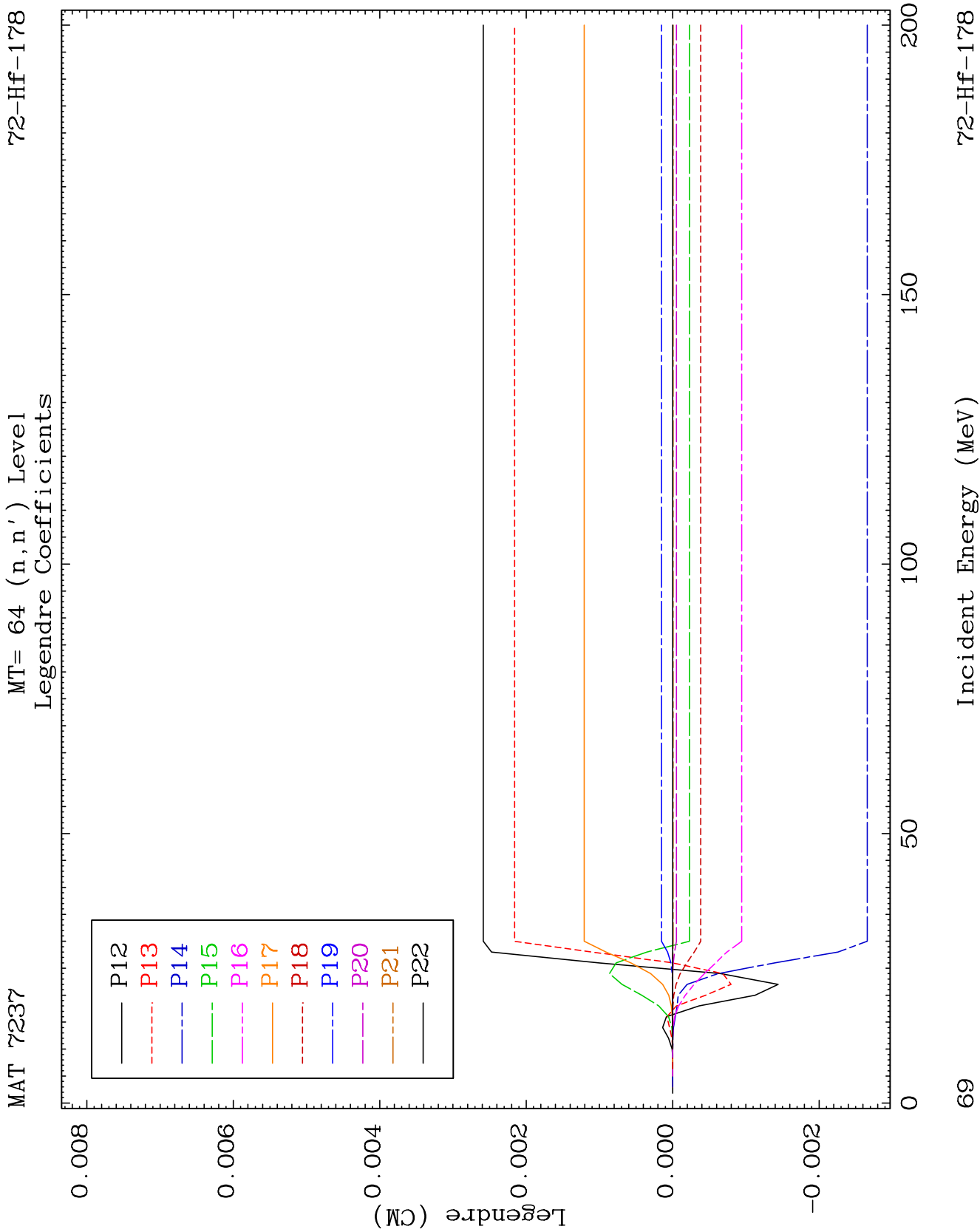
72-Hf-178

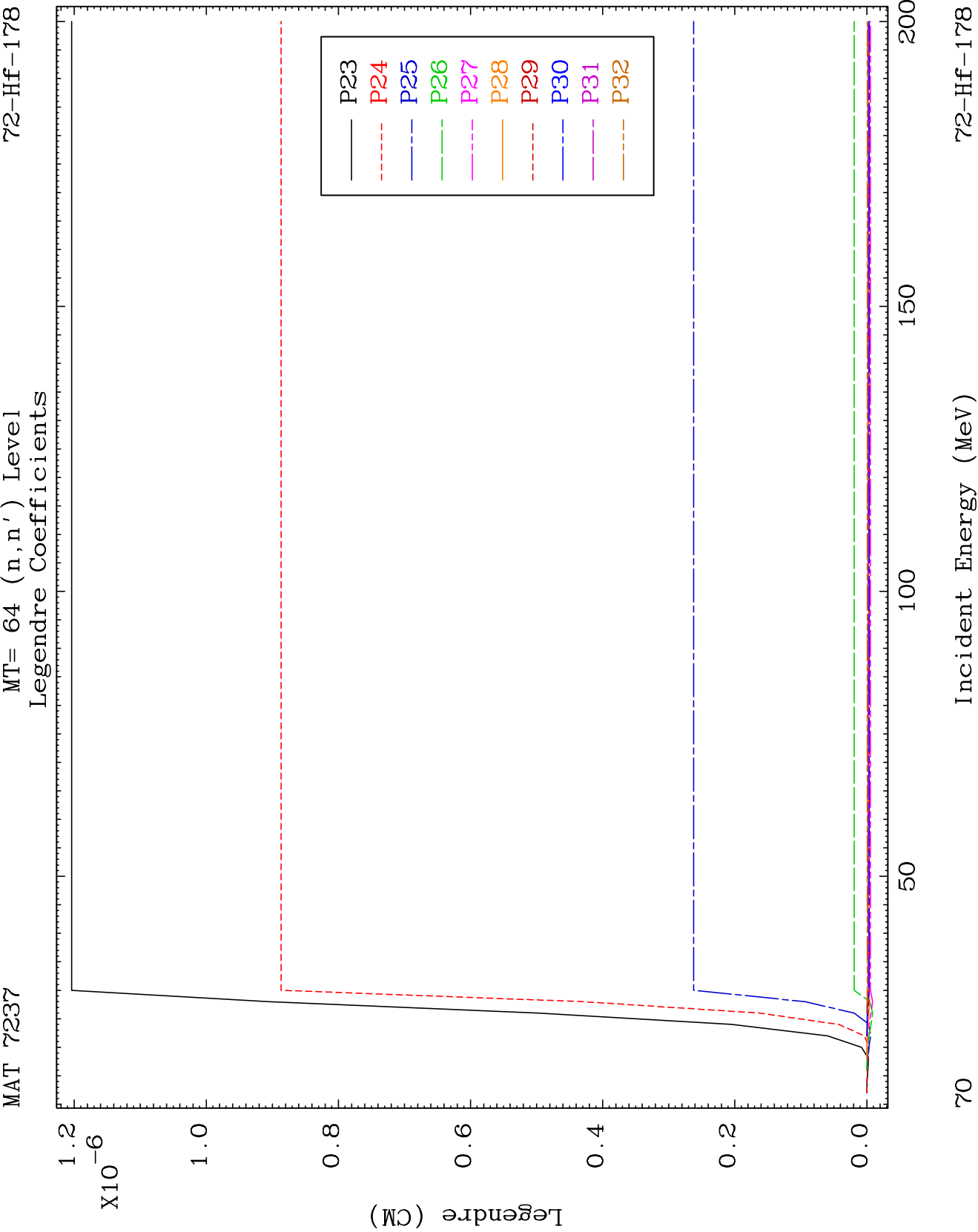


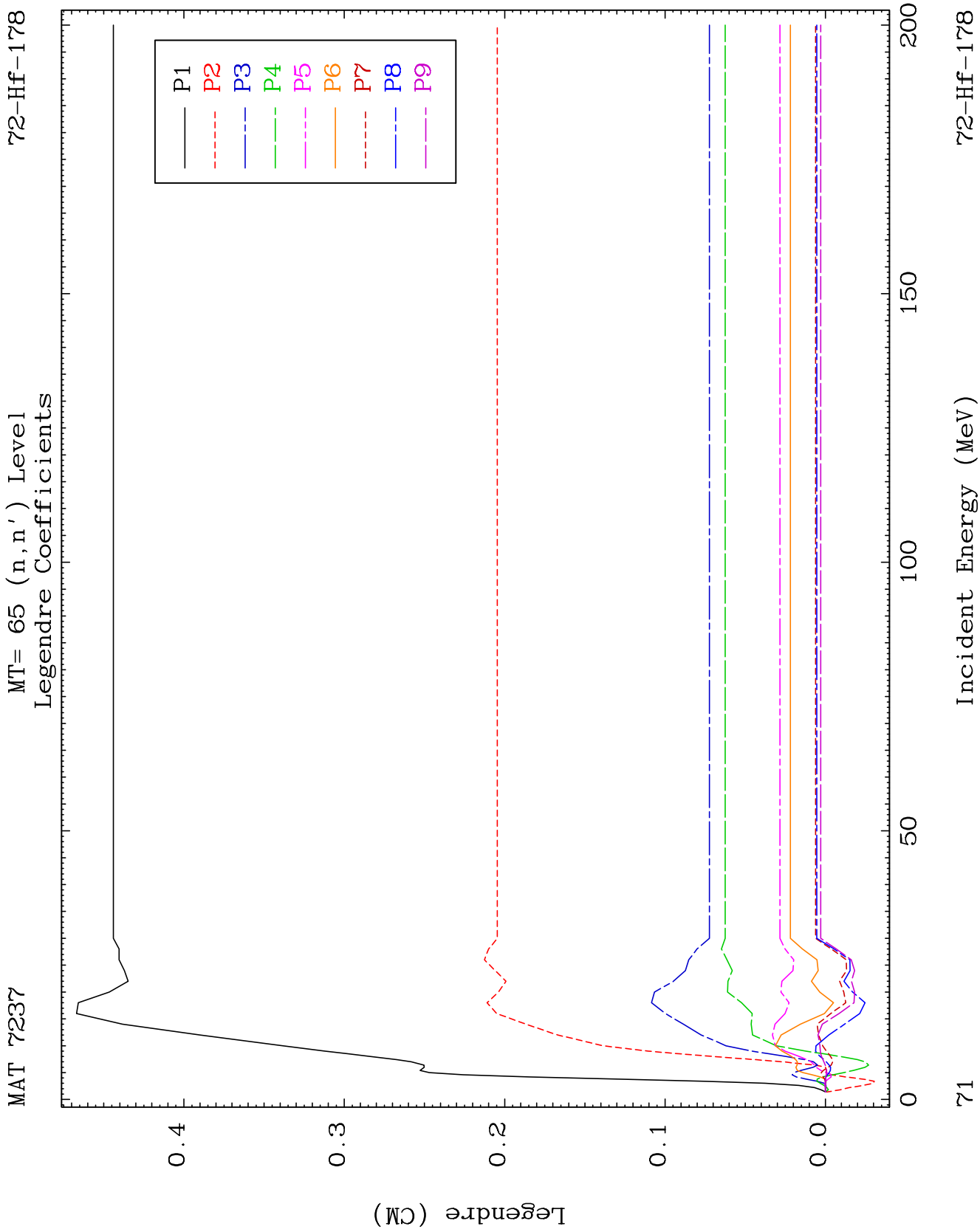


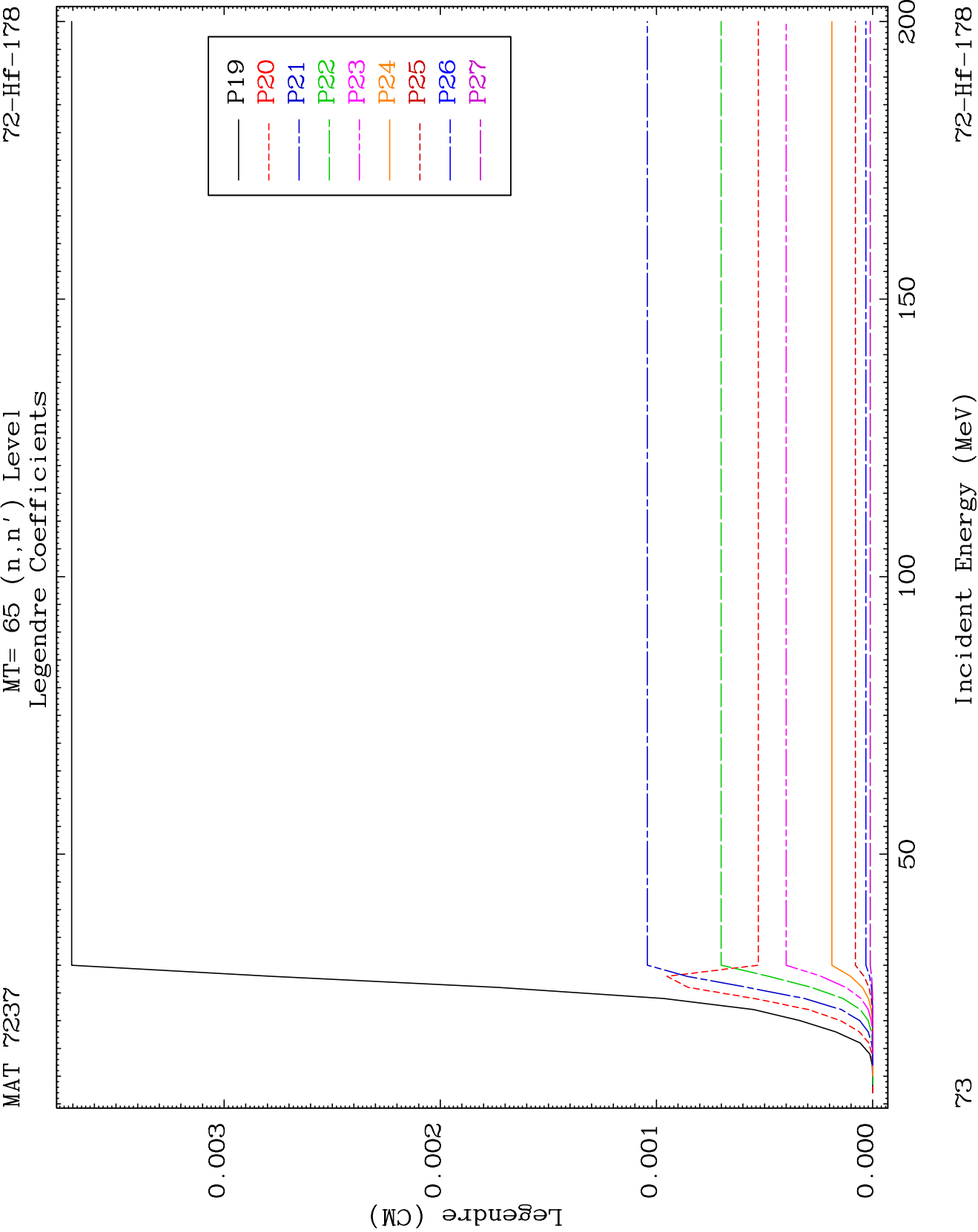


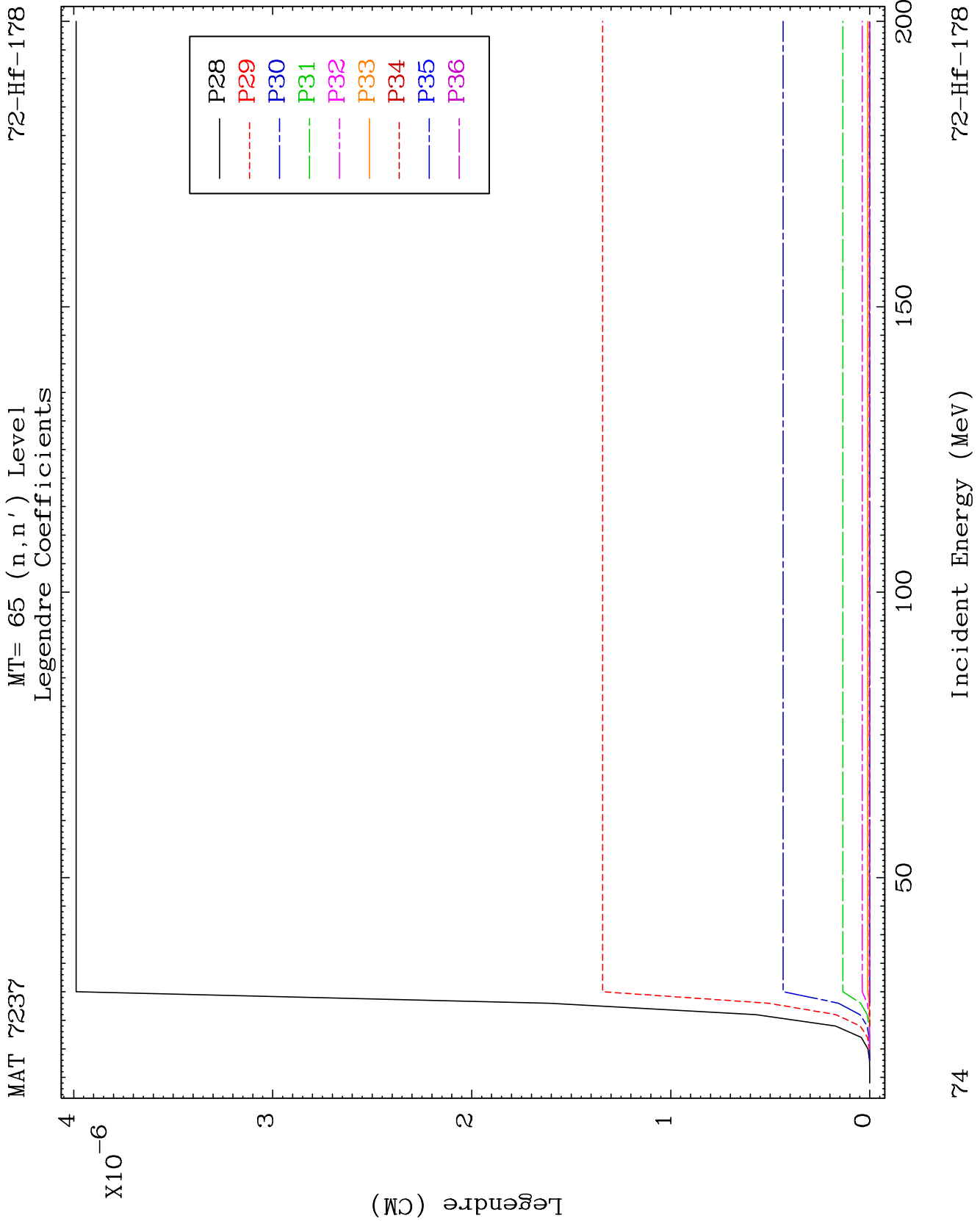


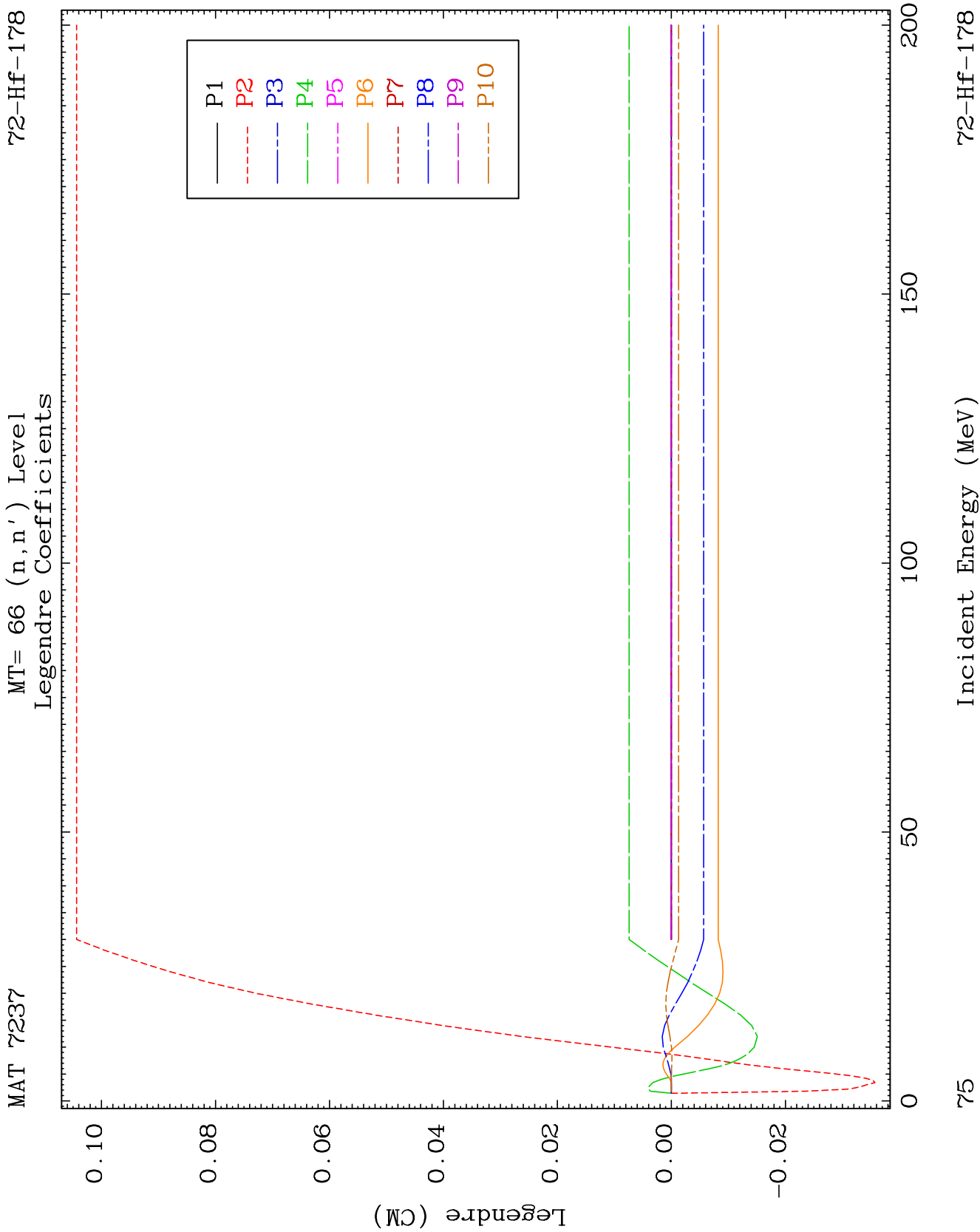


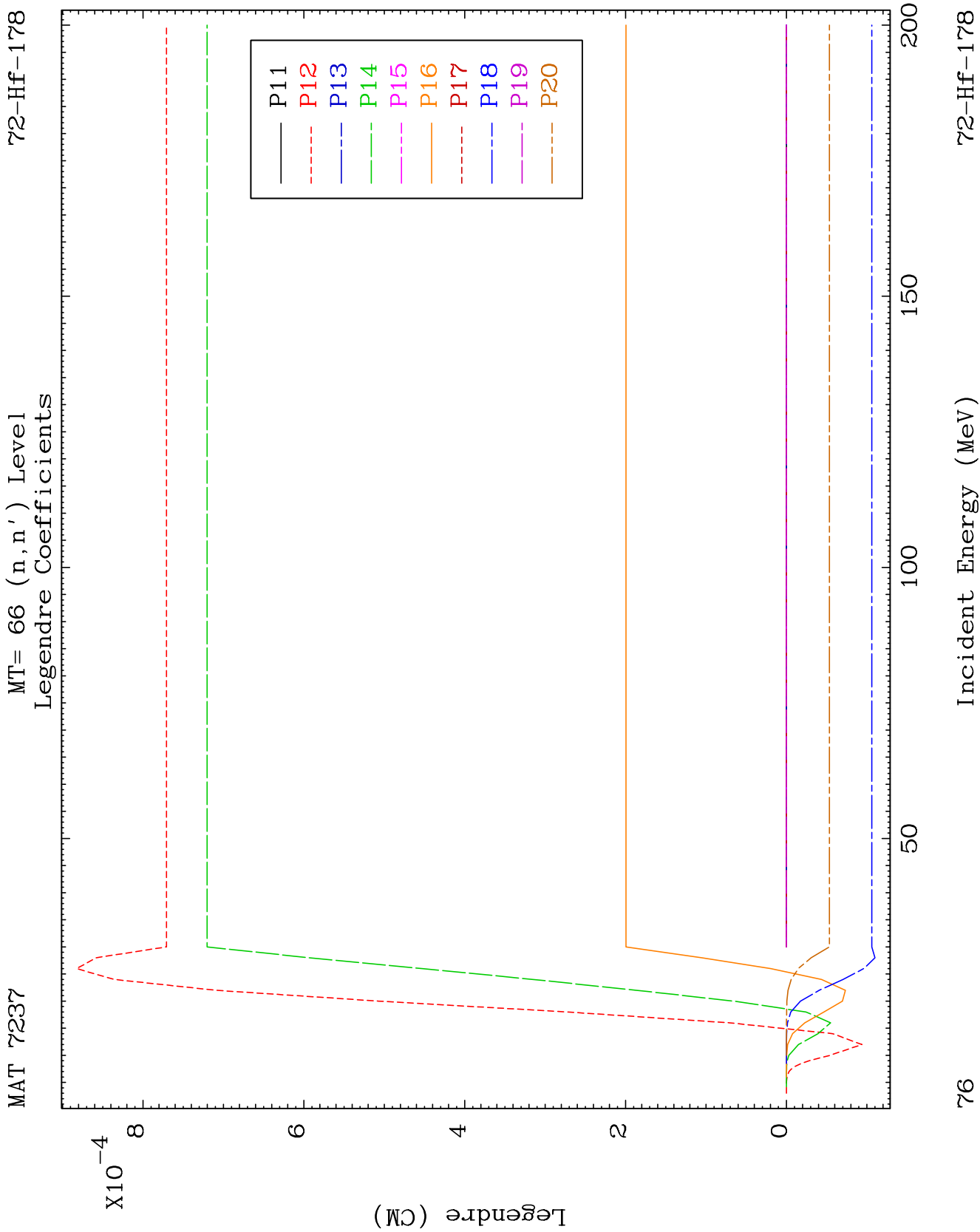


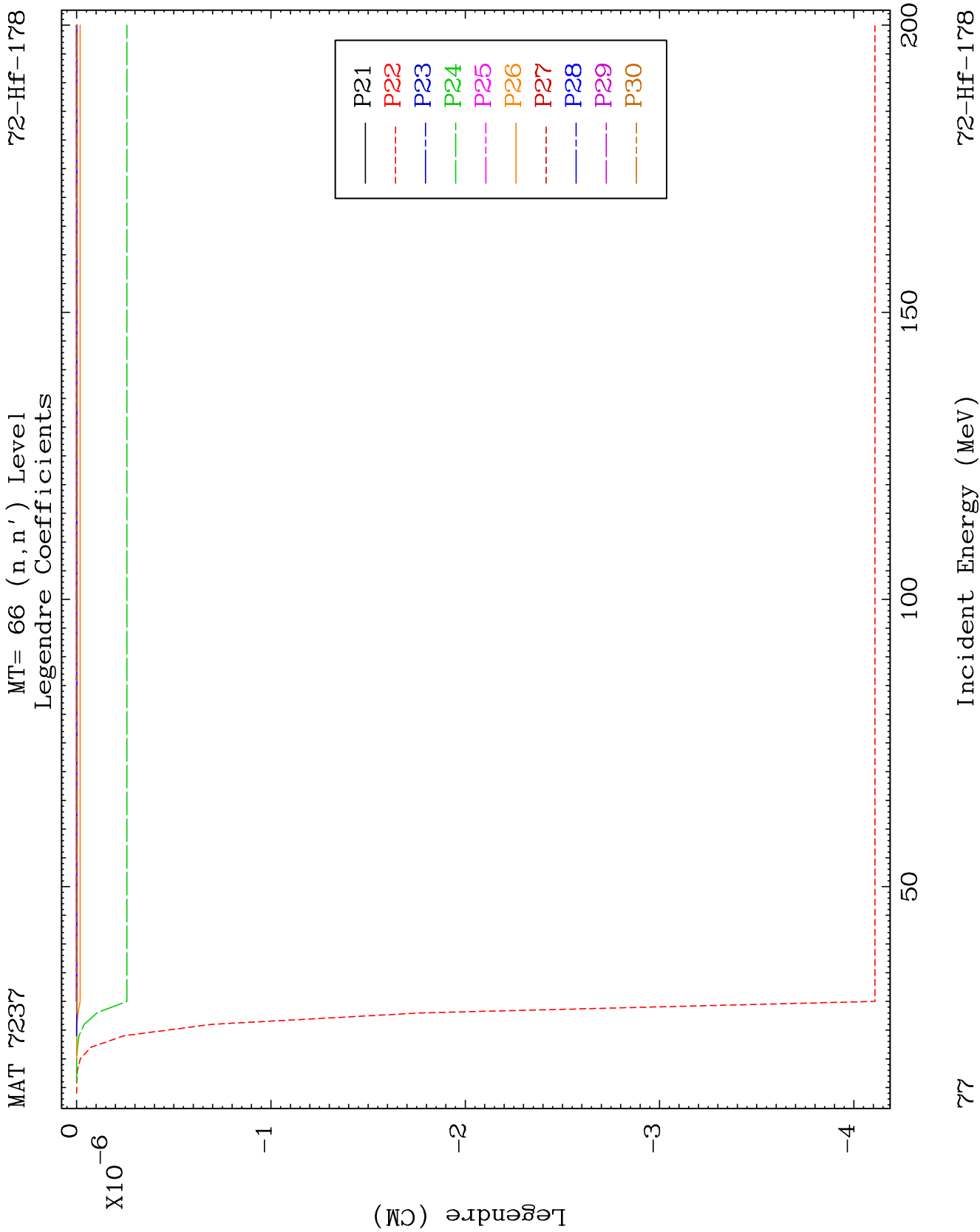


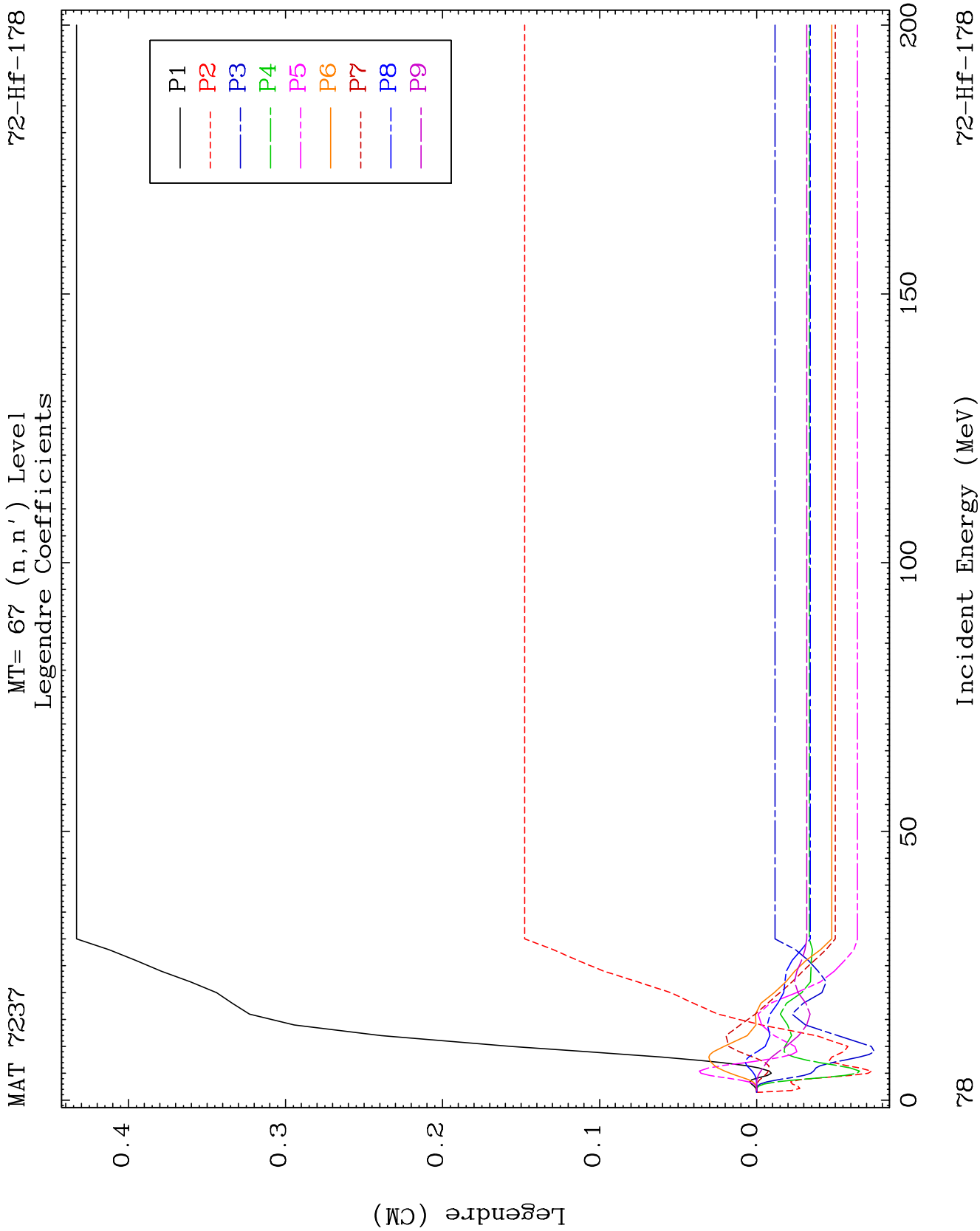








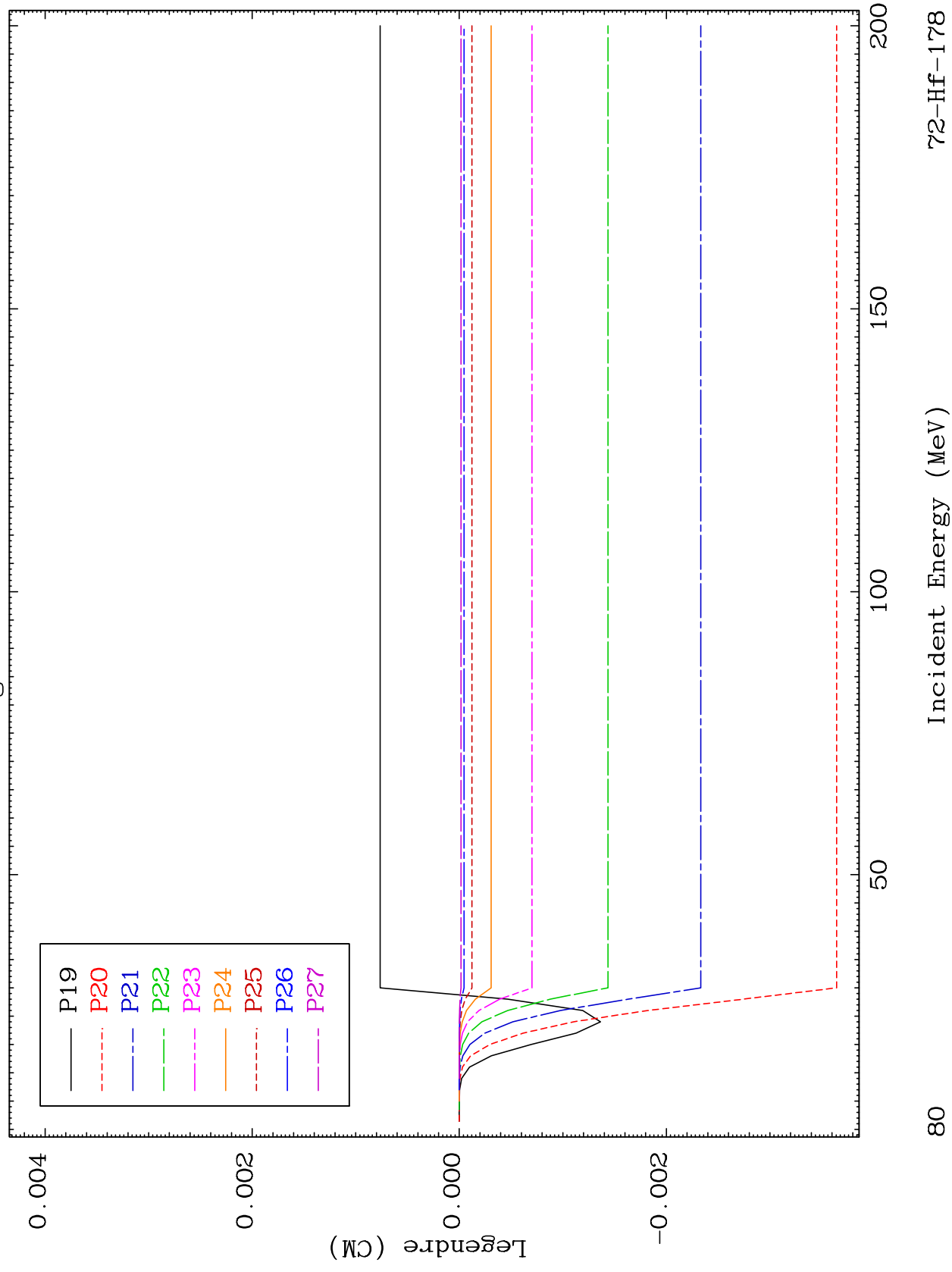


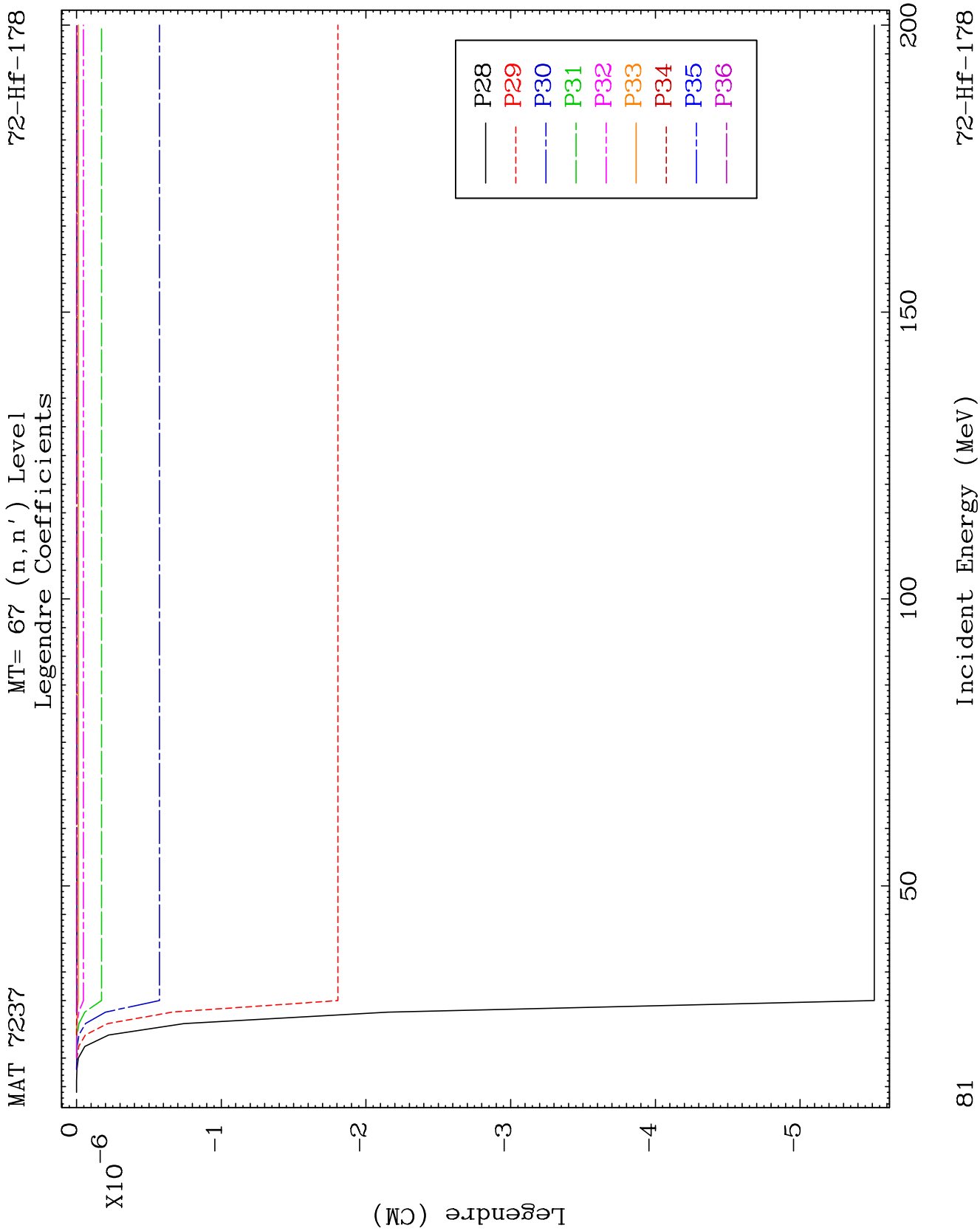


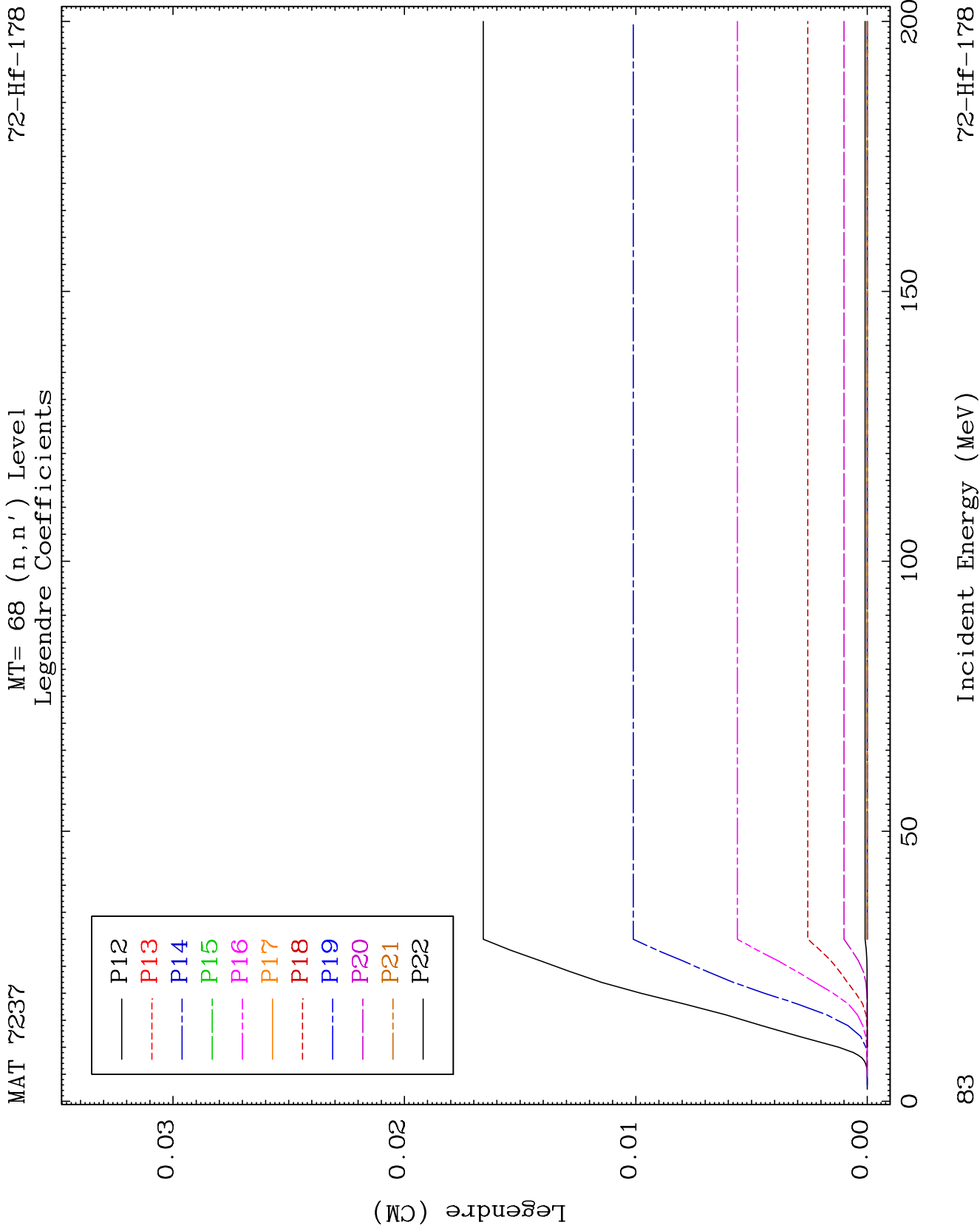
MAT 7237

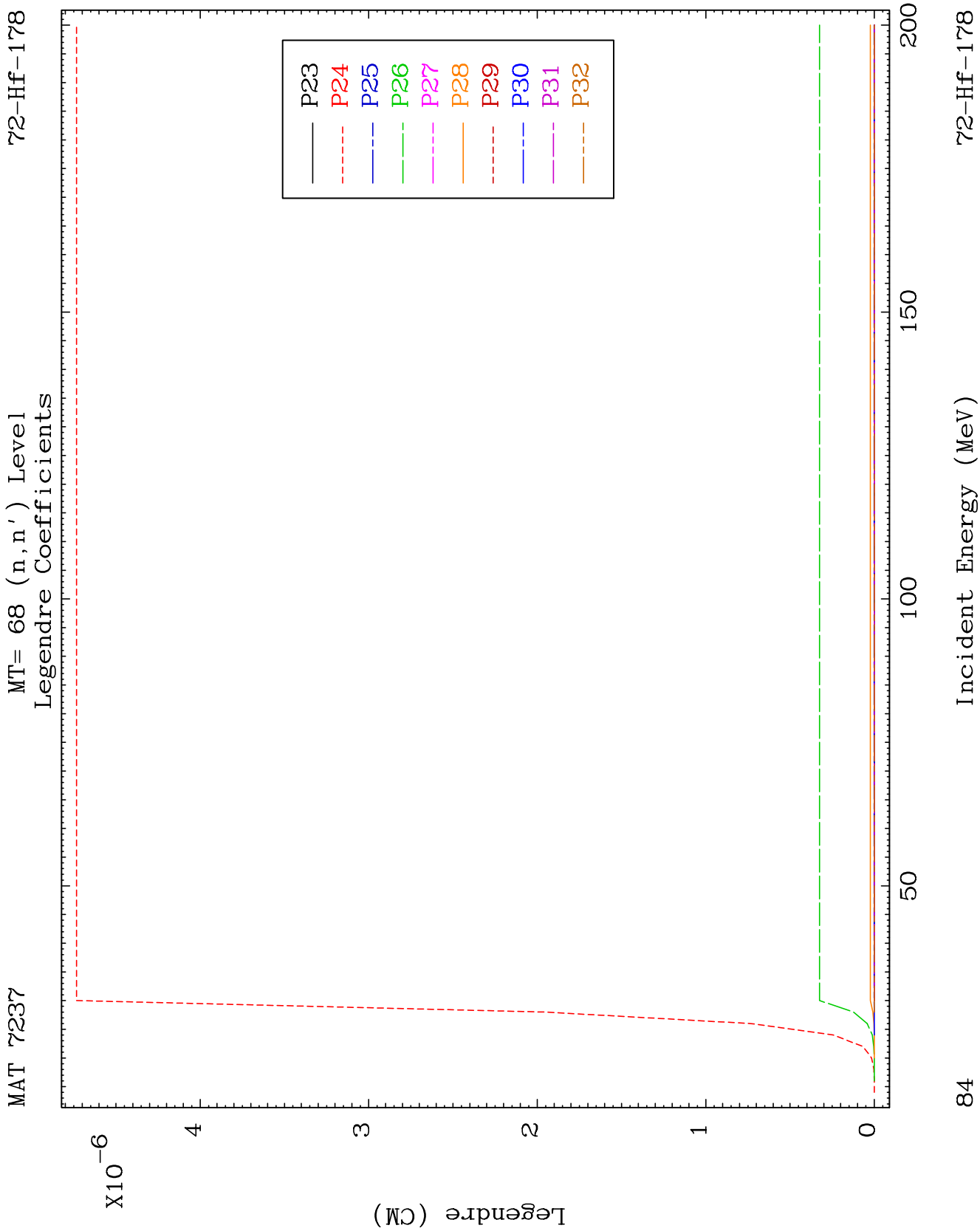
MT= 67 (n, n') Level
Legendre Coefficients

72-Hf-178





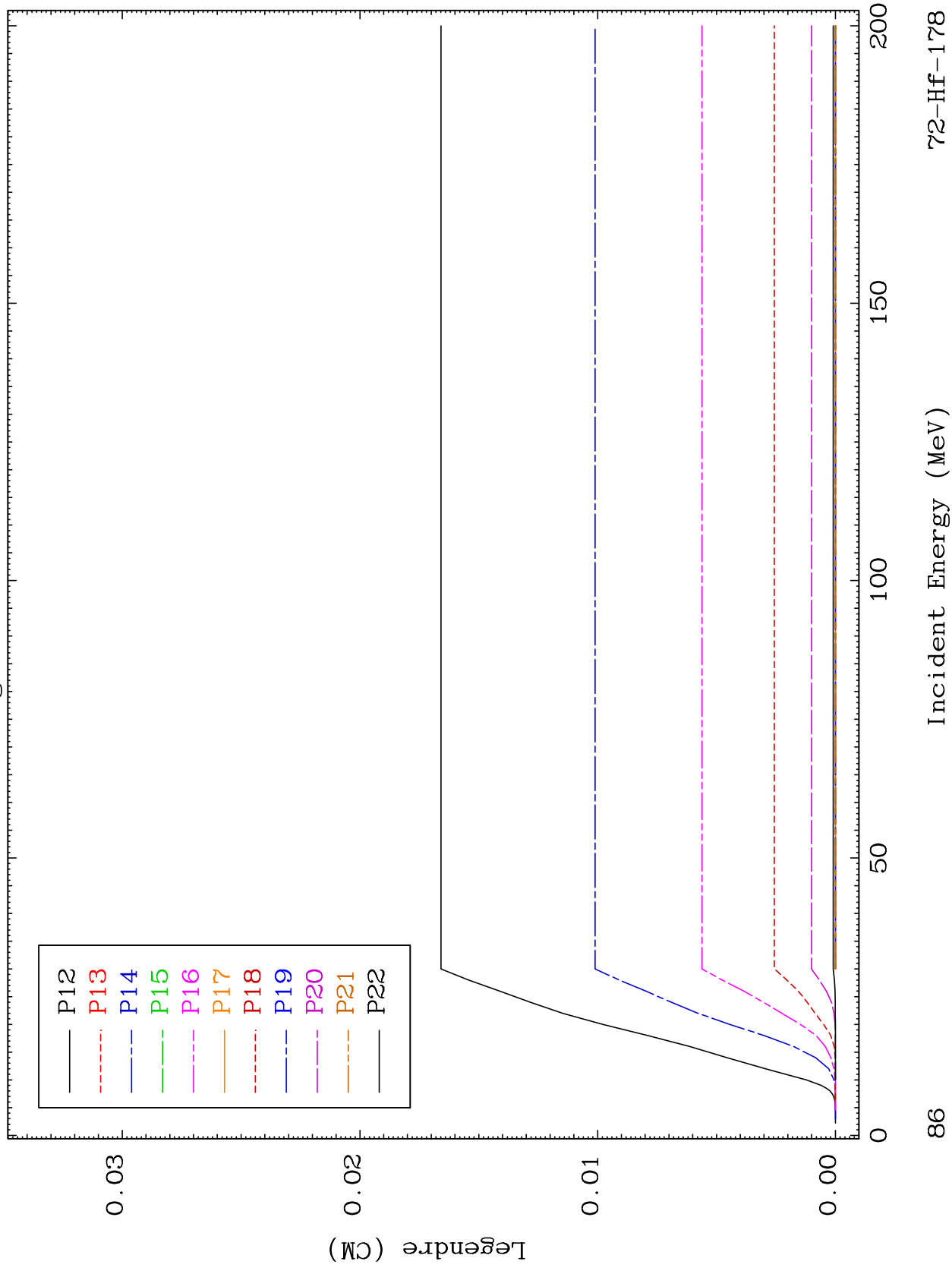


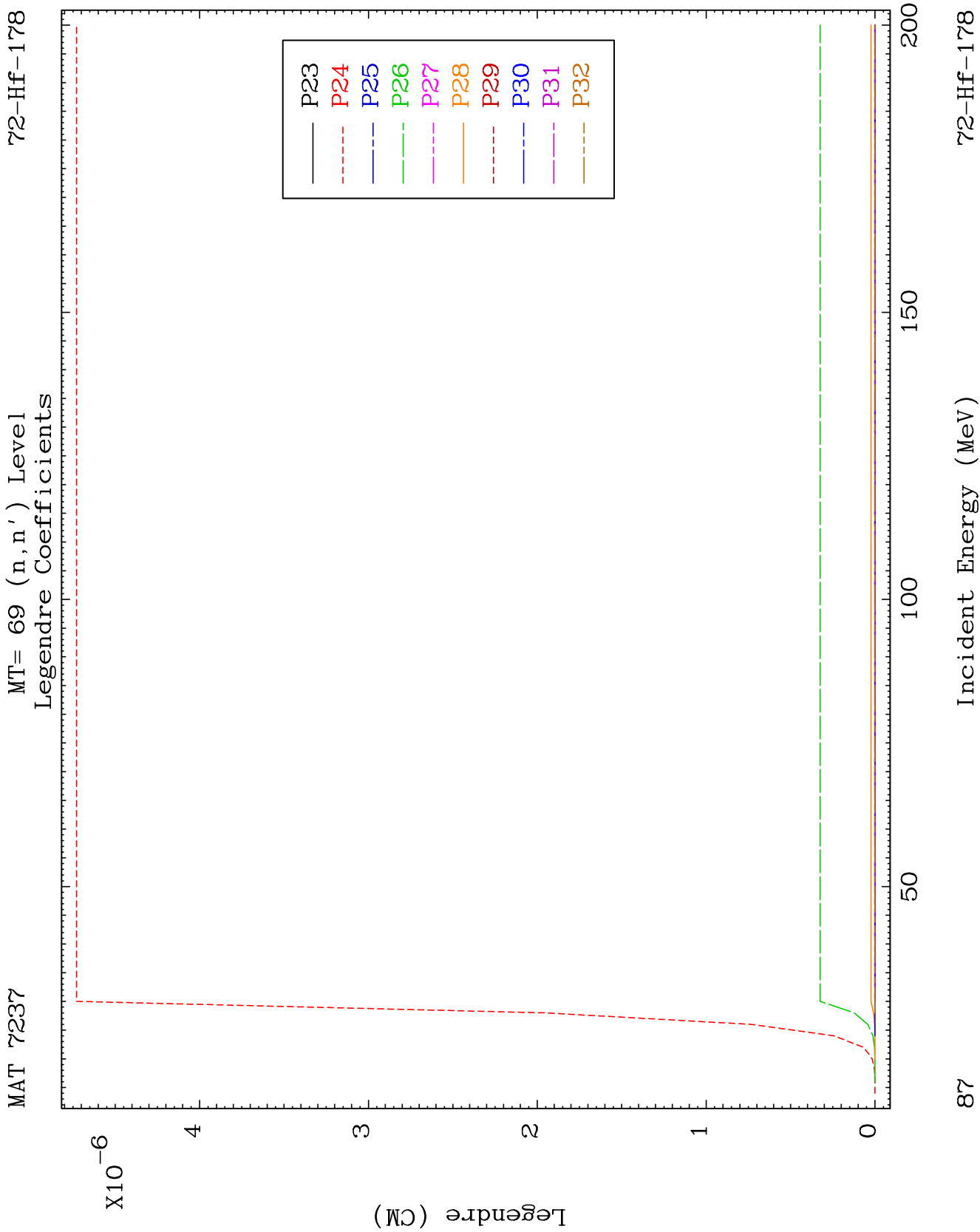


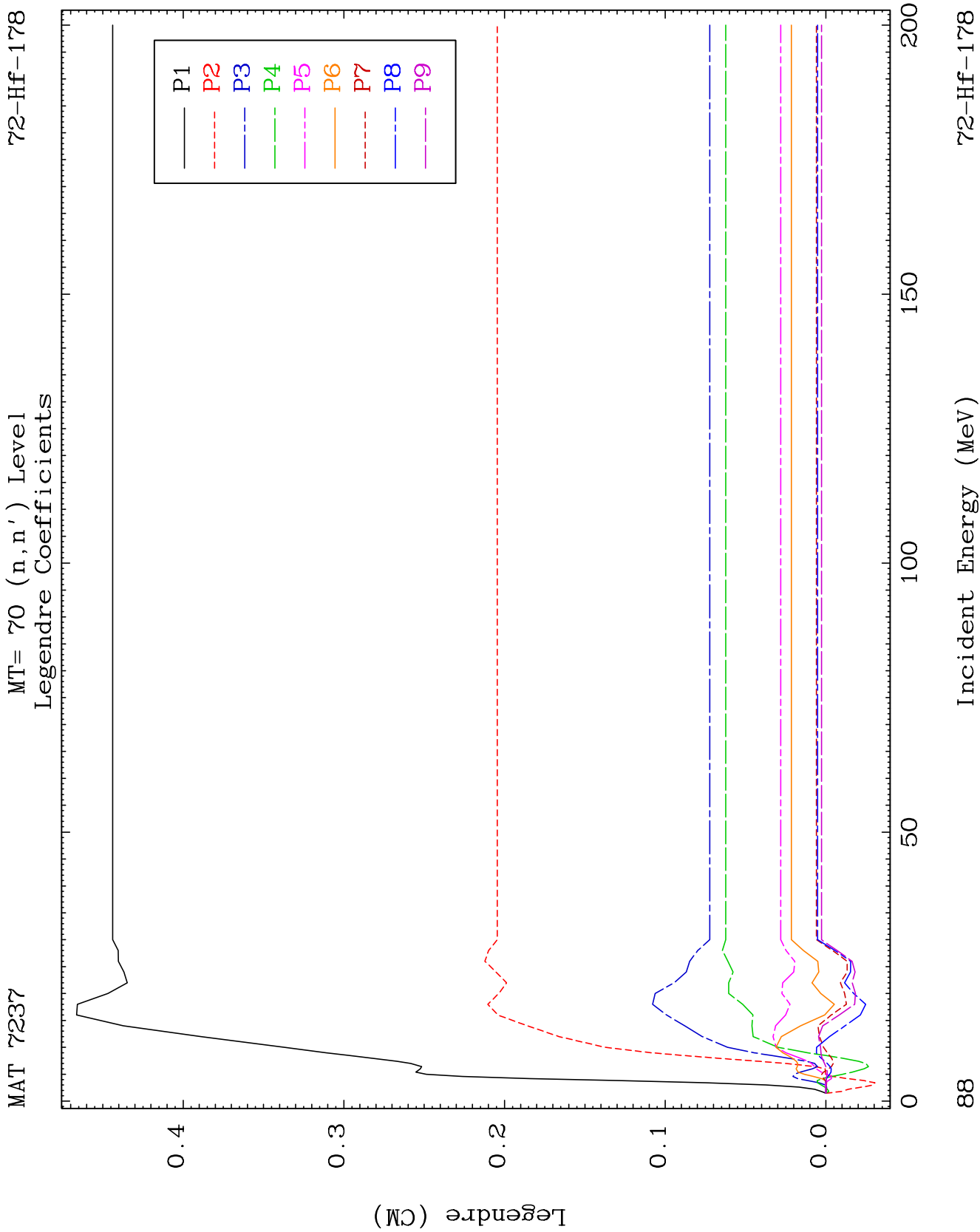
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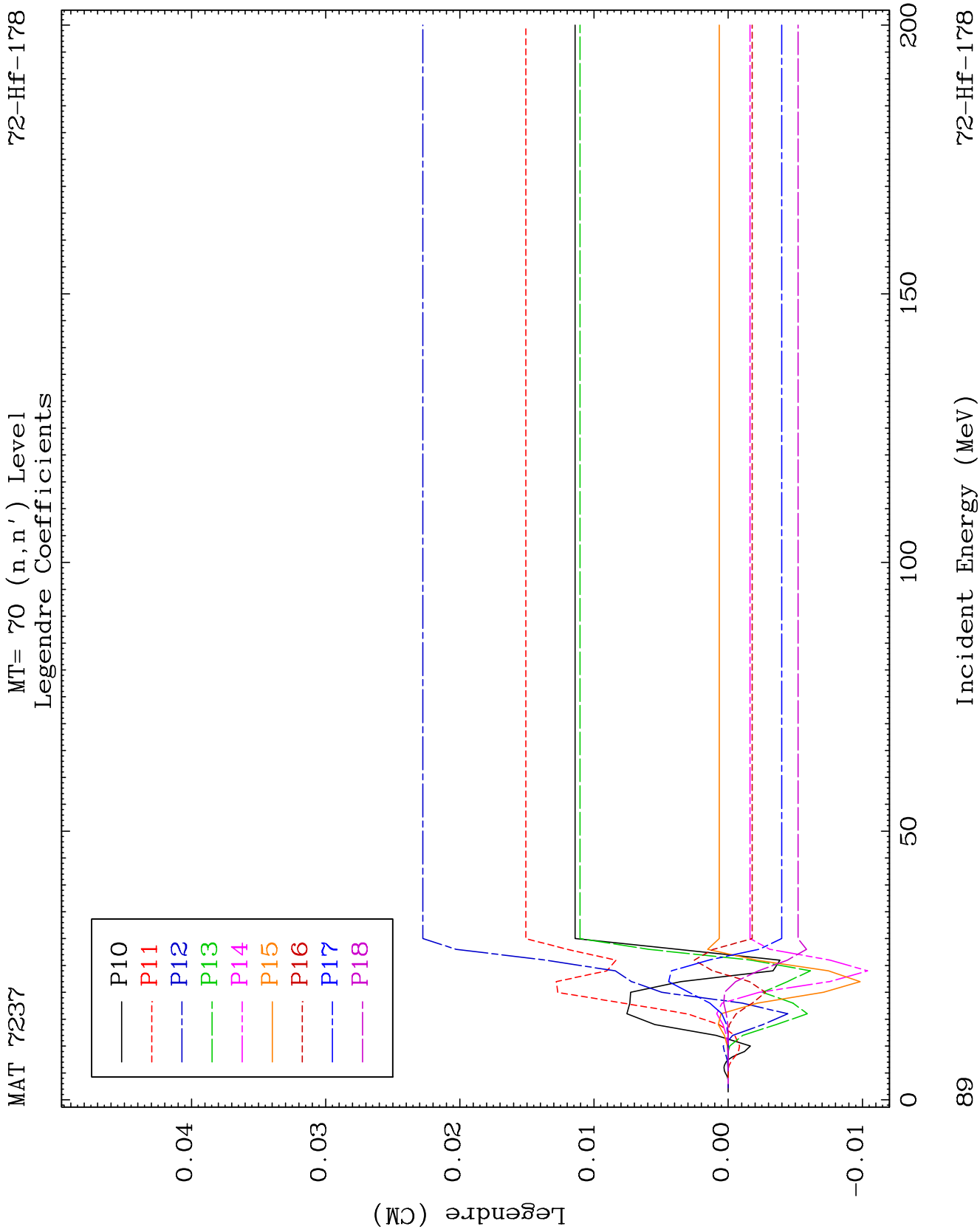
MT= 69 (n, n') Level
Legendre Coefficients

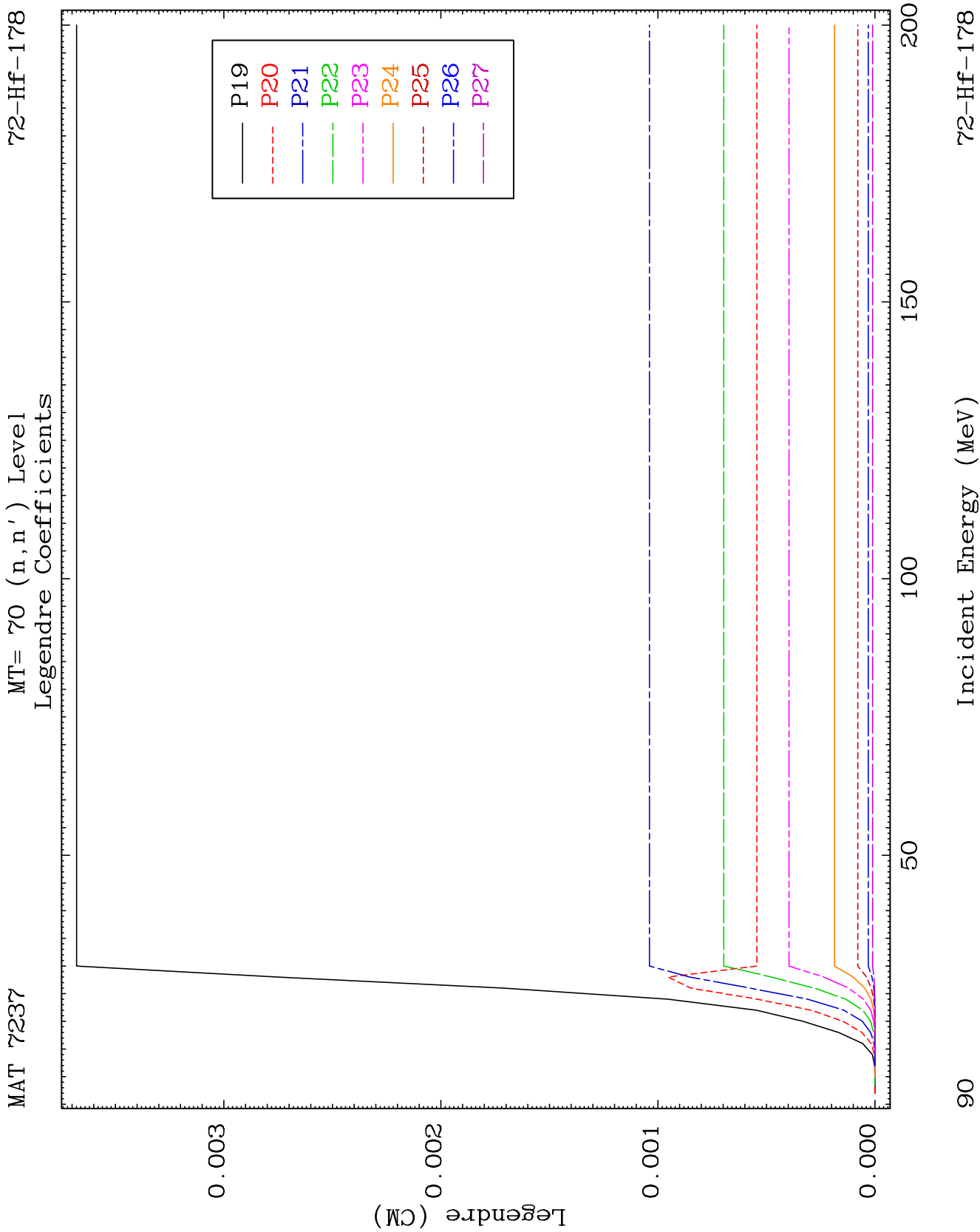
72-Hf-178

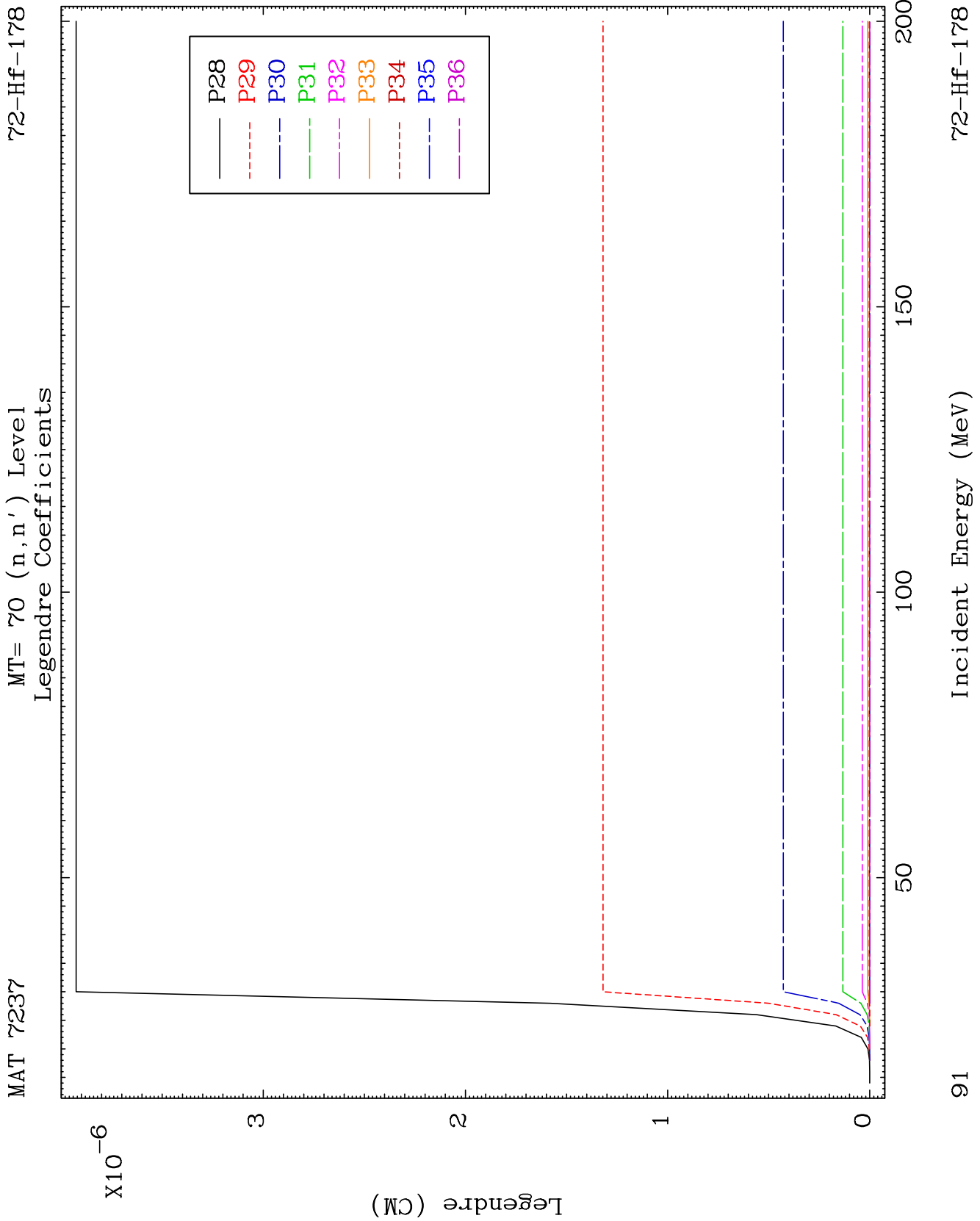


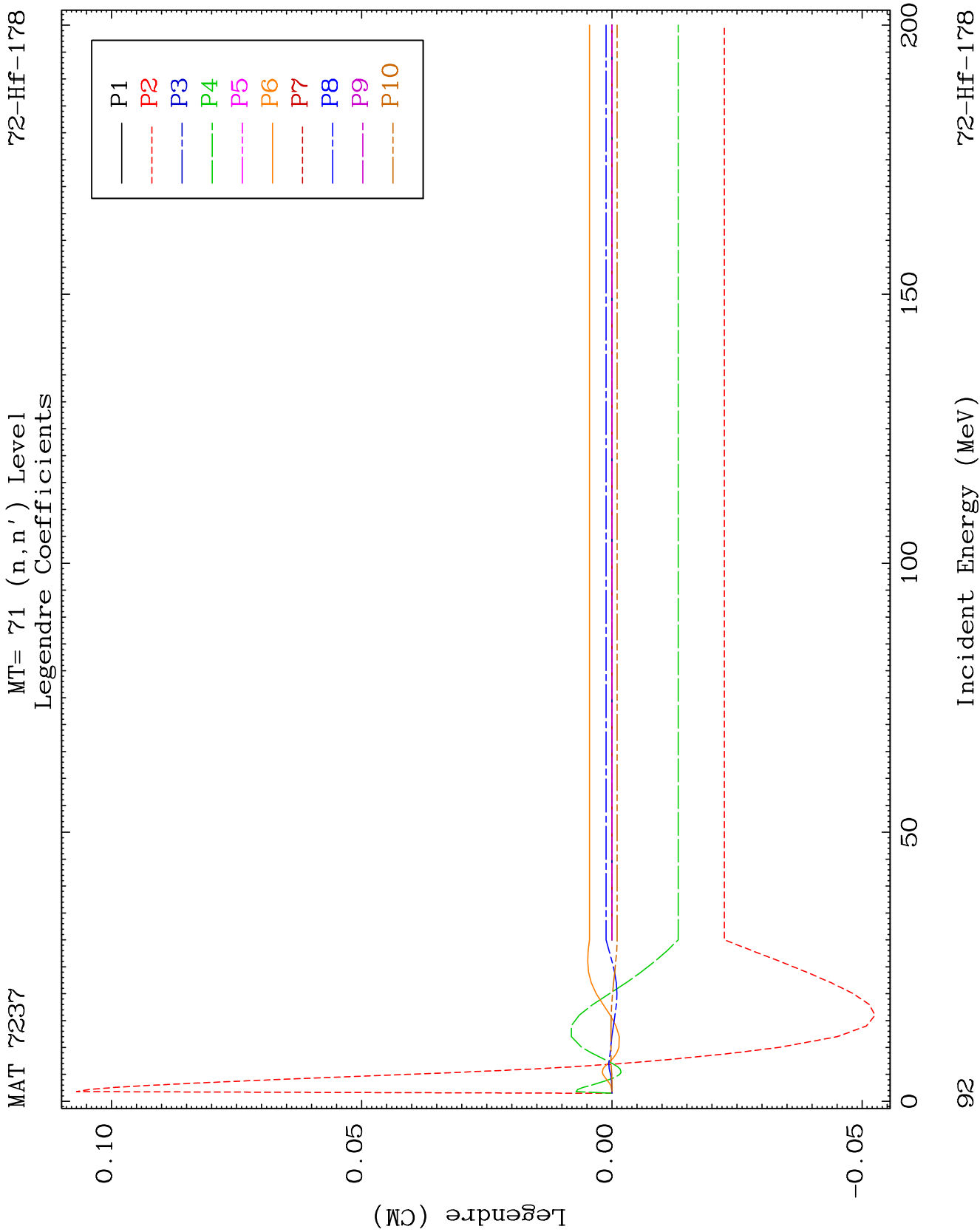


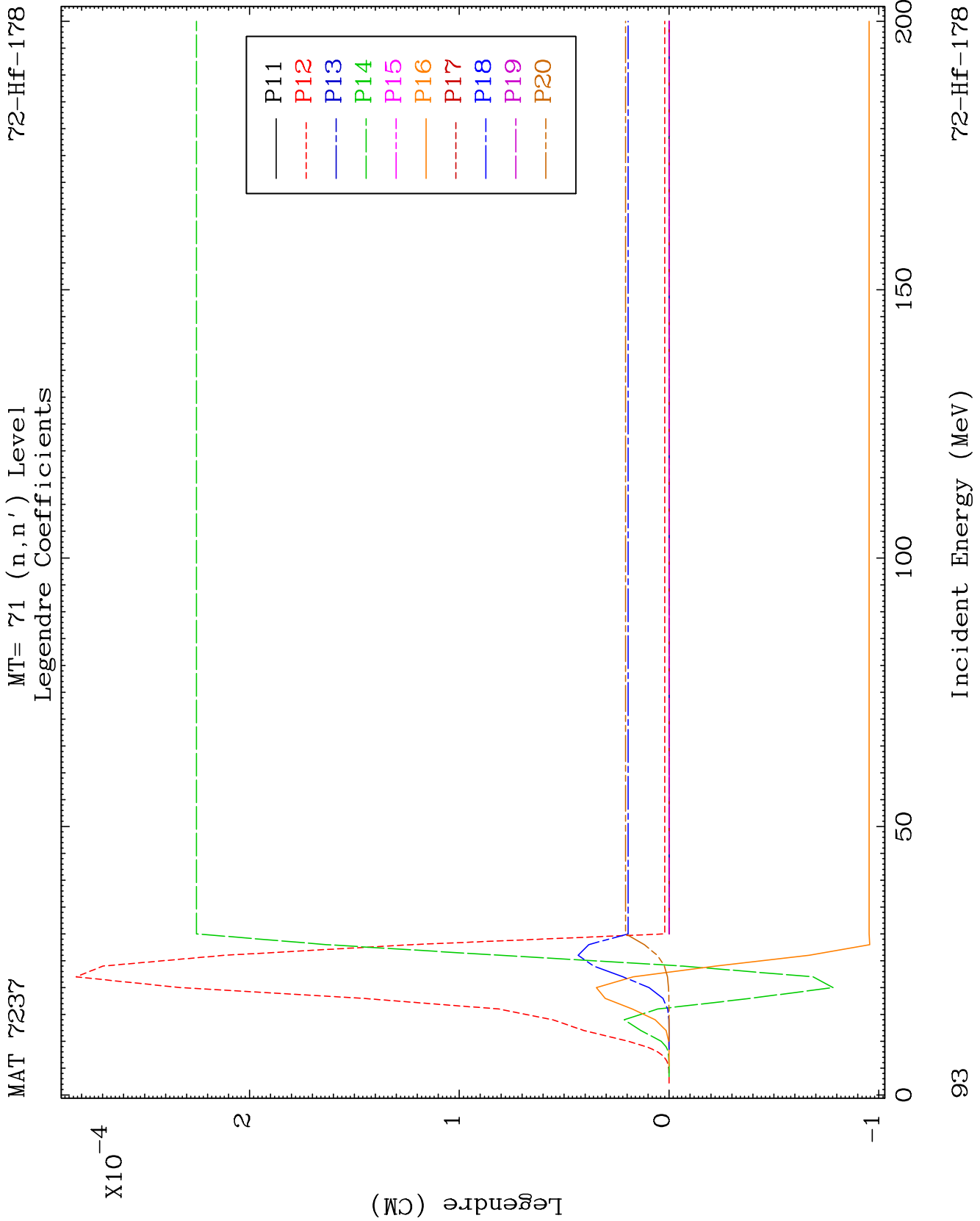


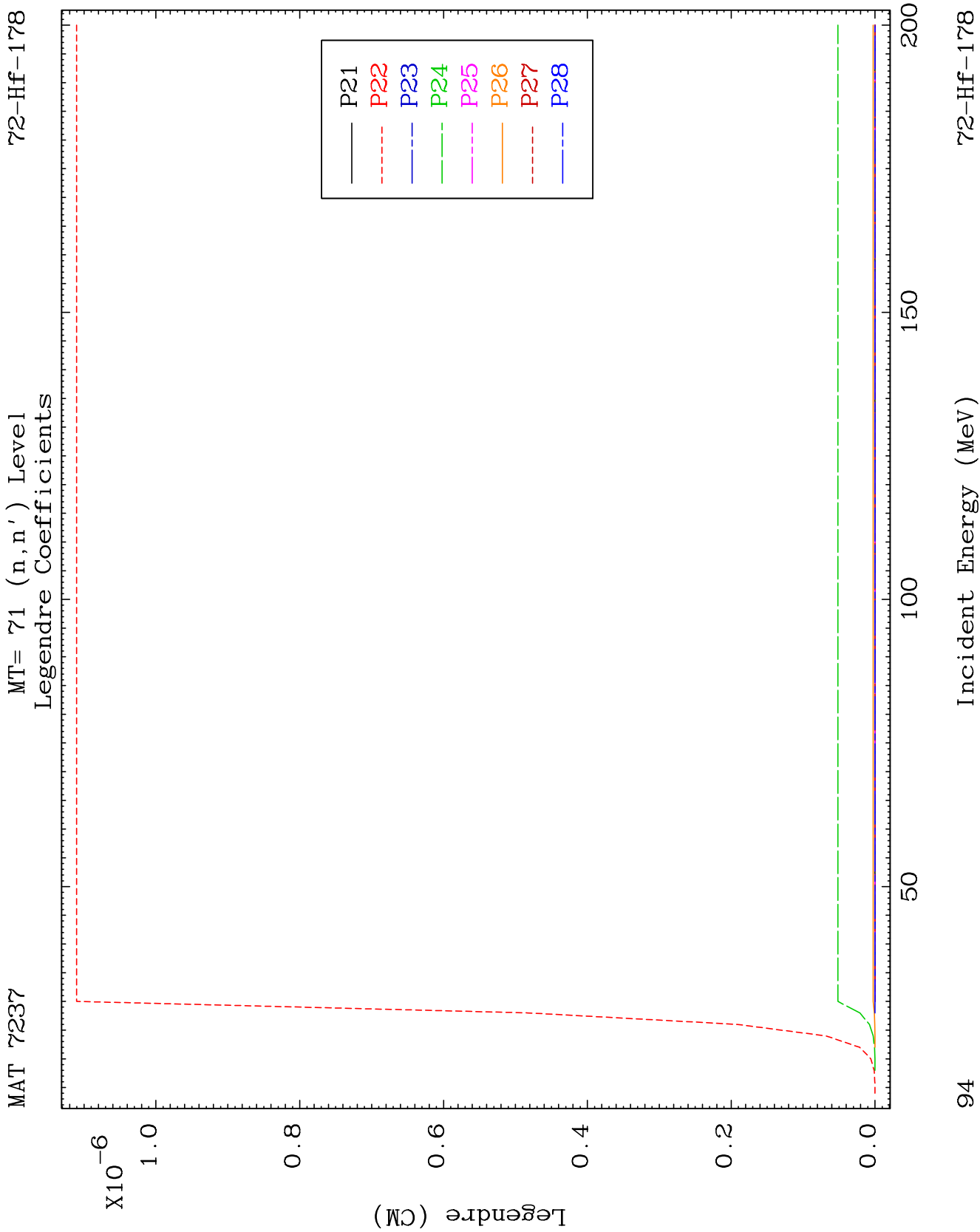








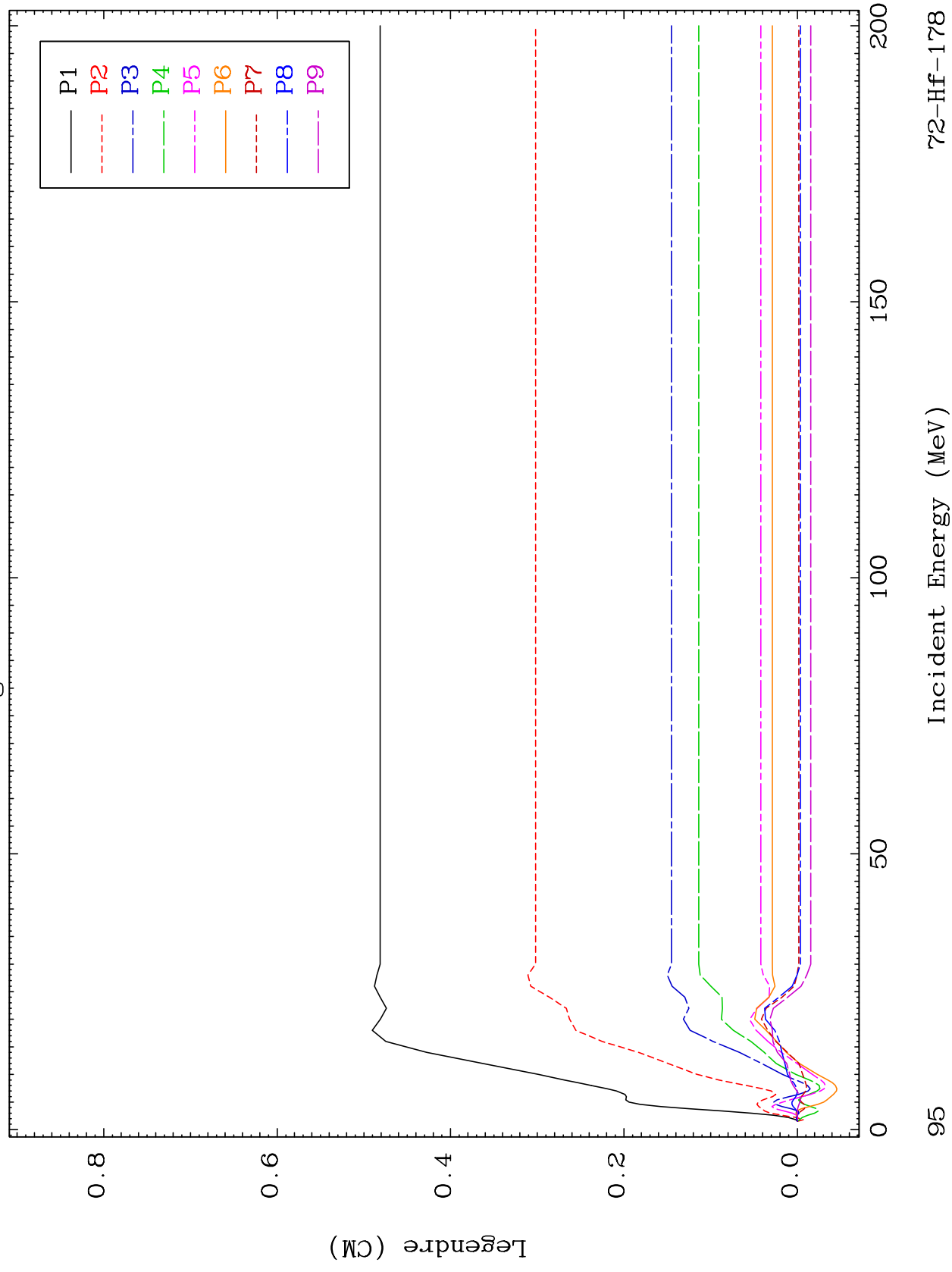


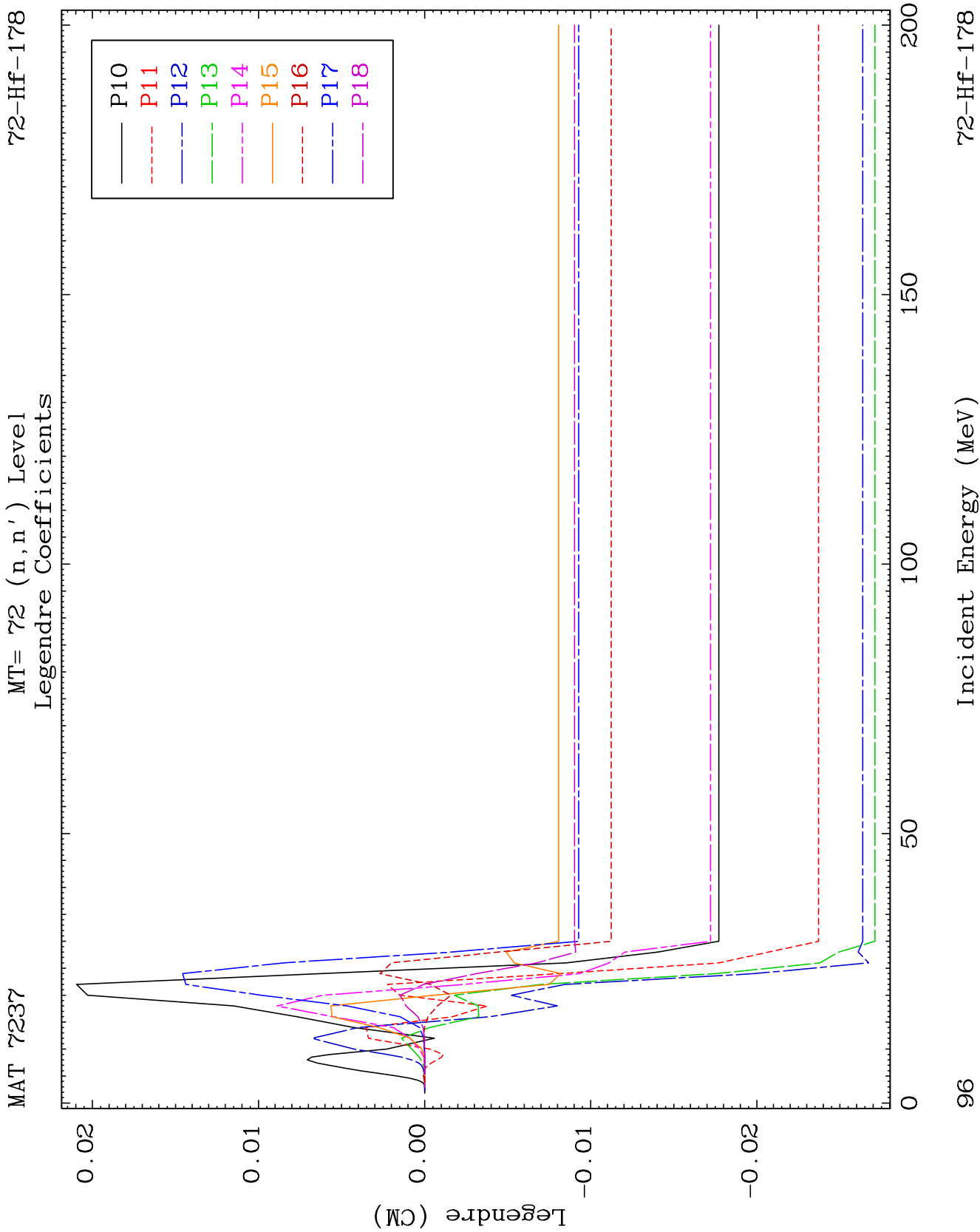


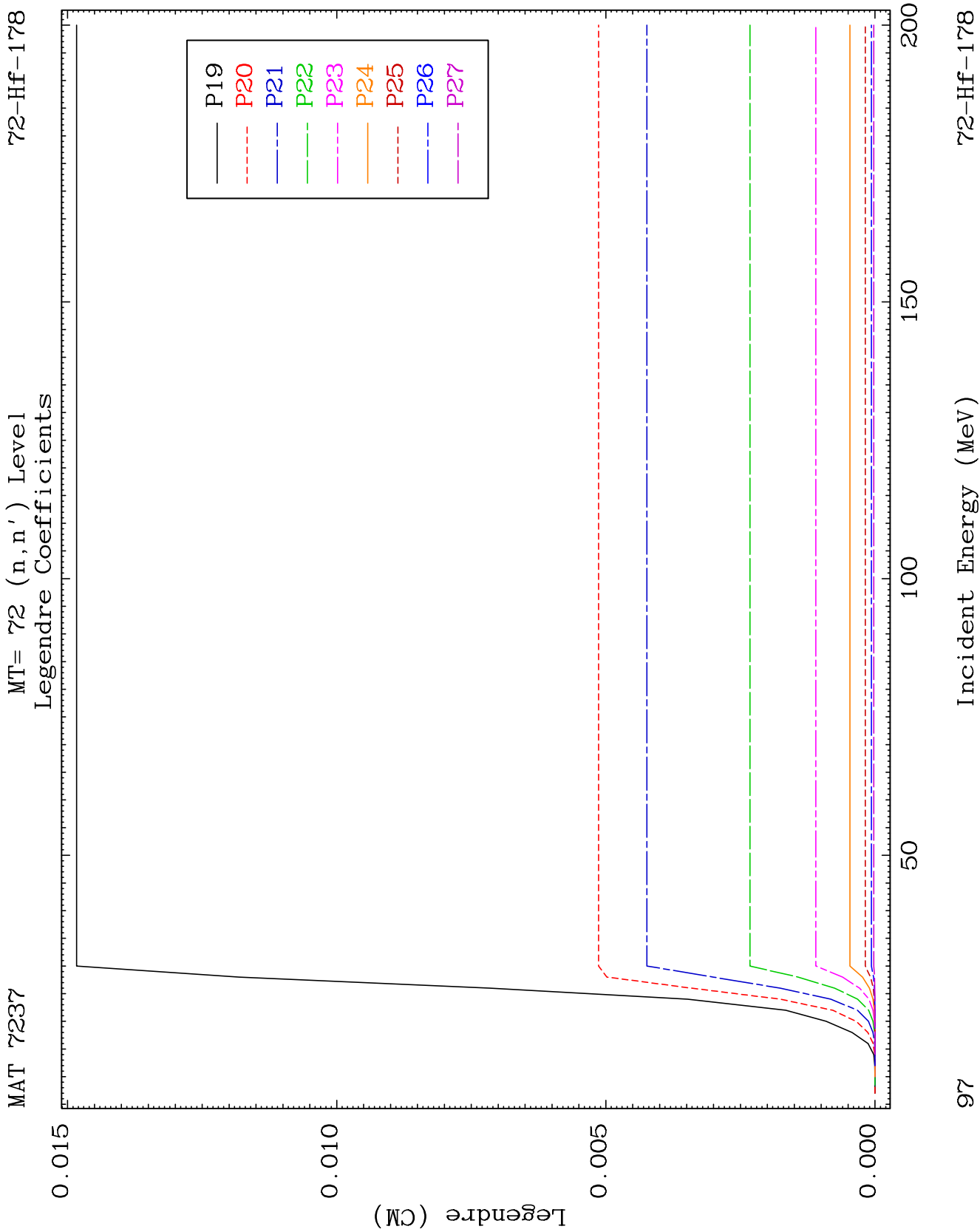
MAT 7237

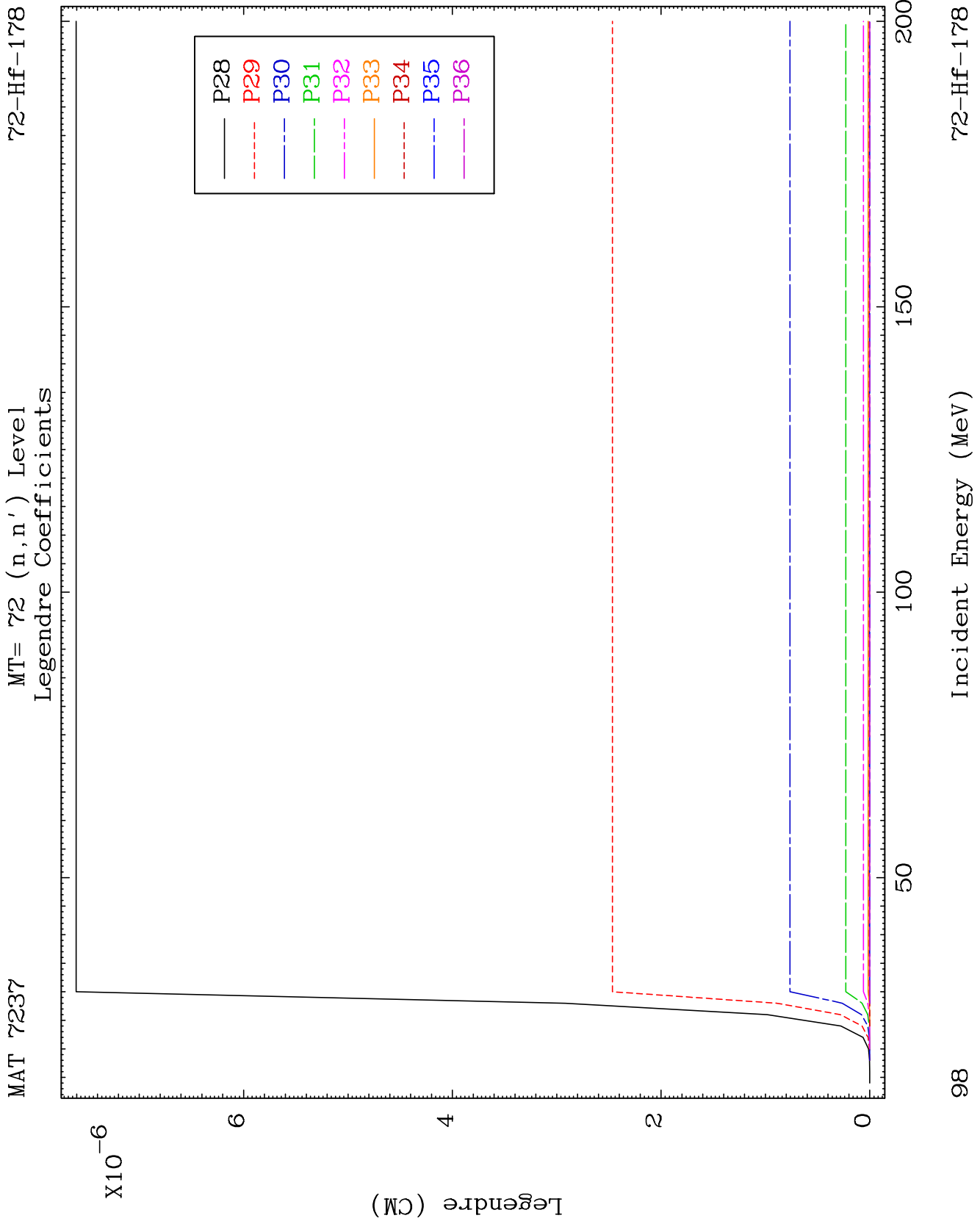
MT= 72 (n, n') Level
Legendre Coefficients

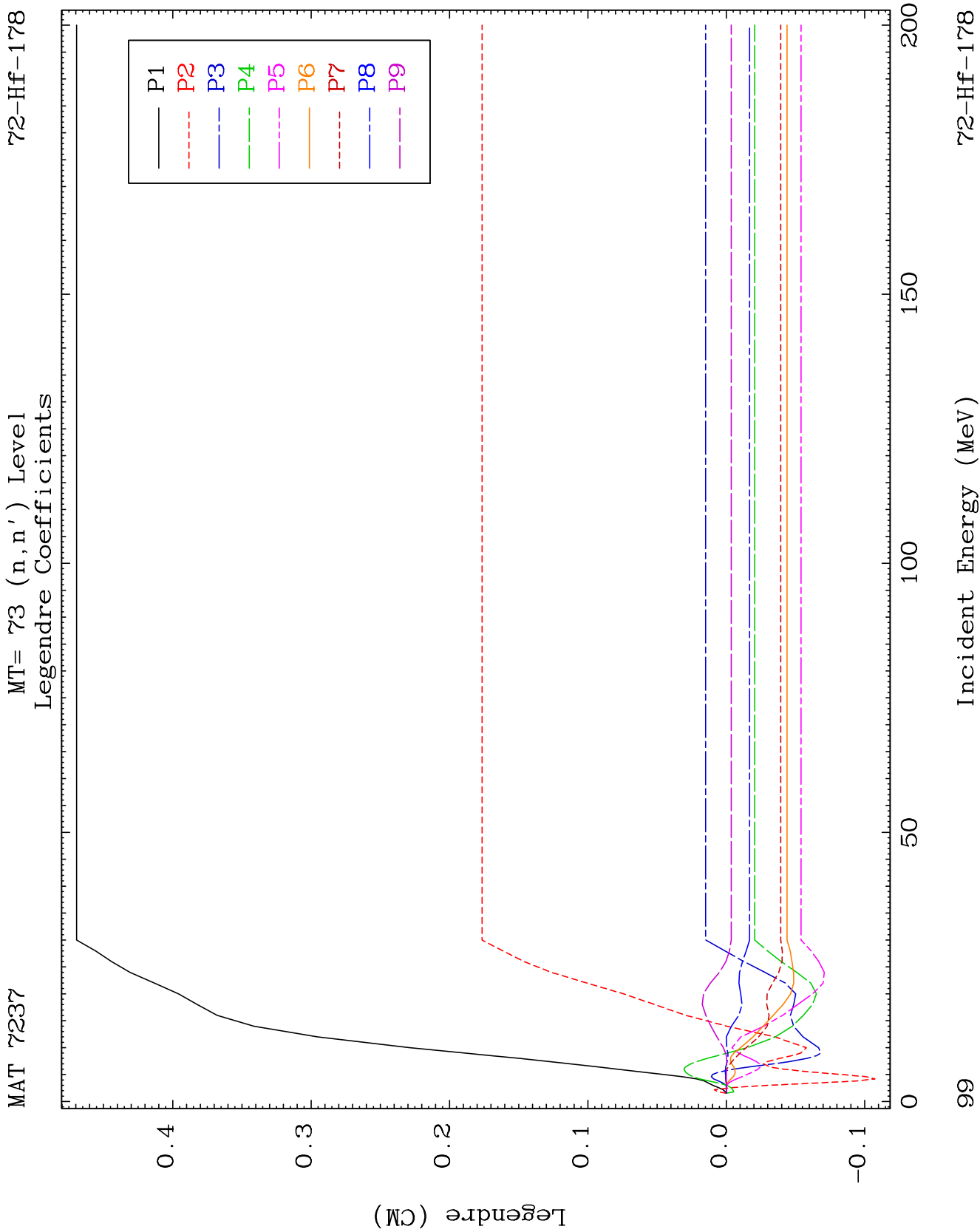
72-Hf-178

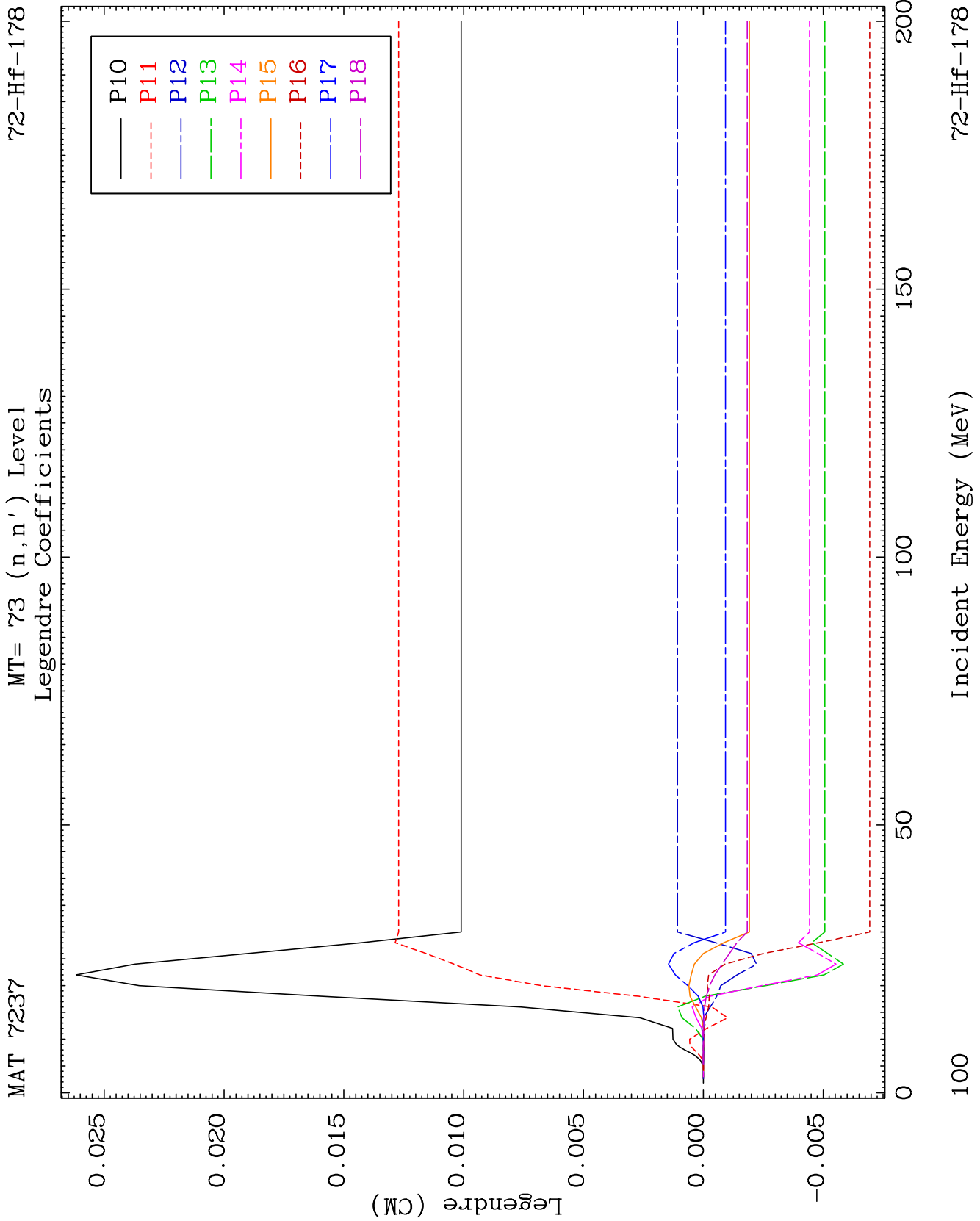


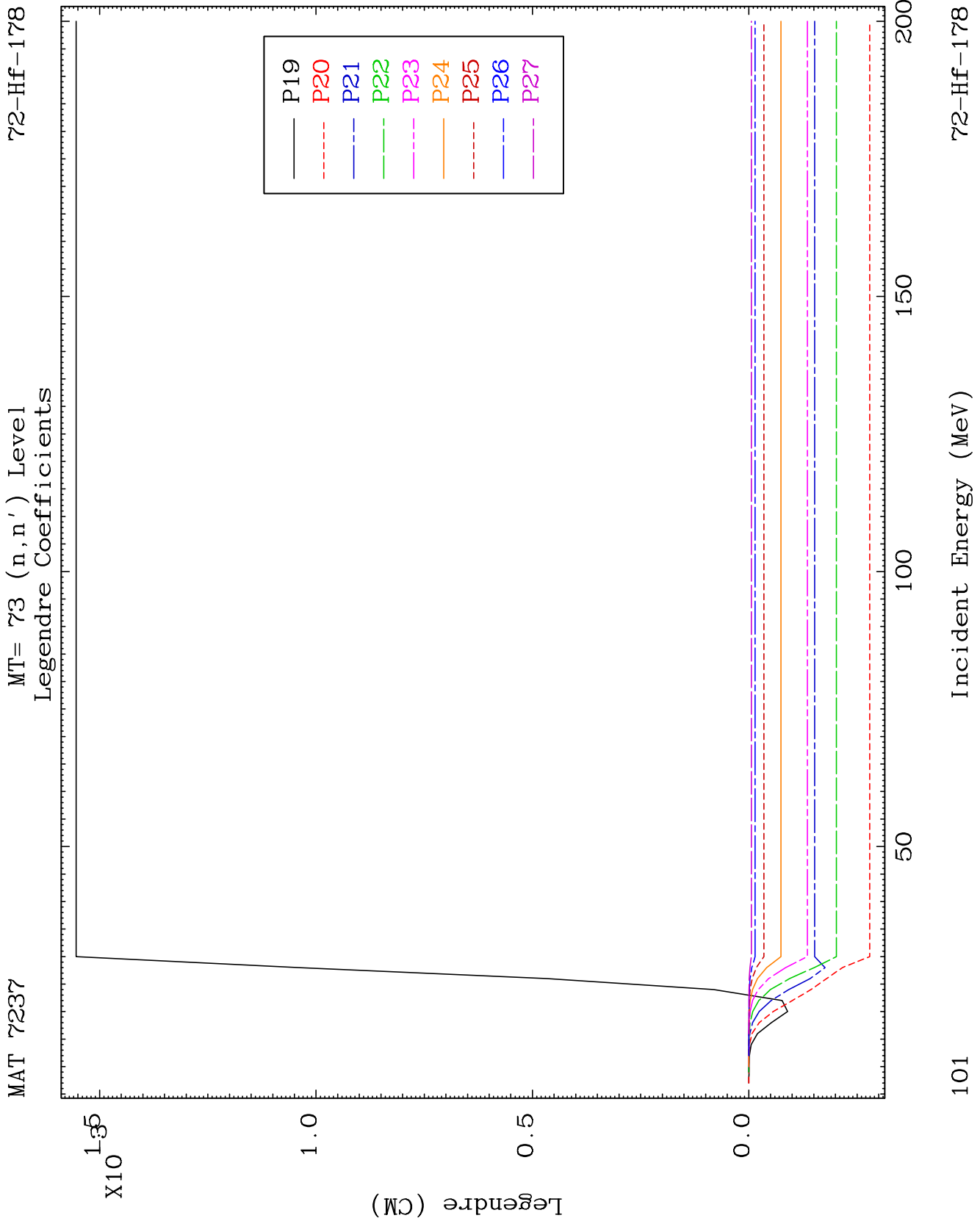


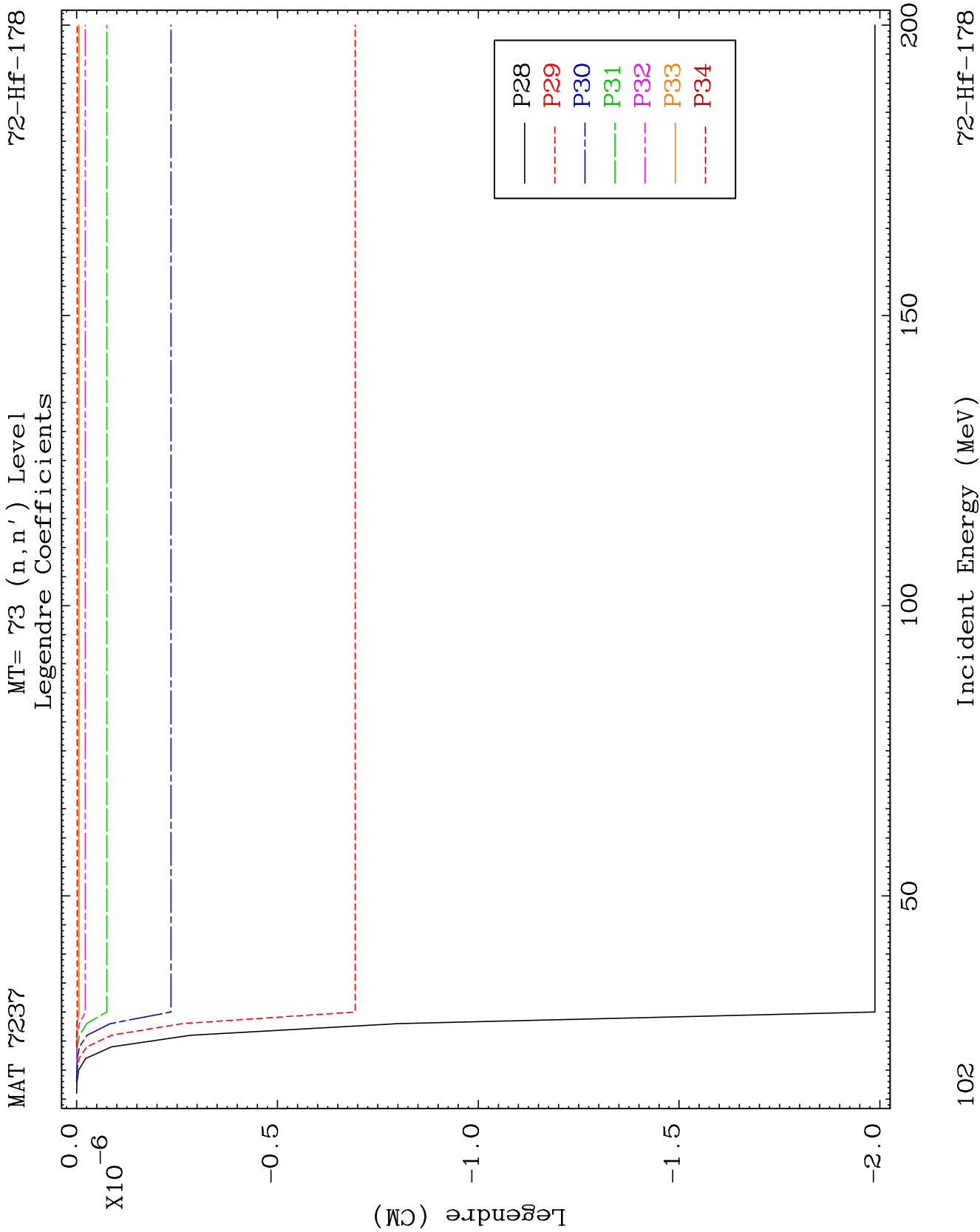








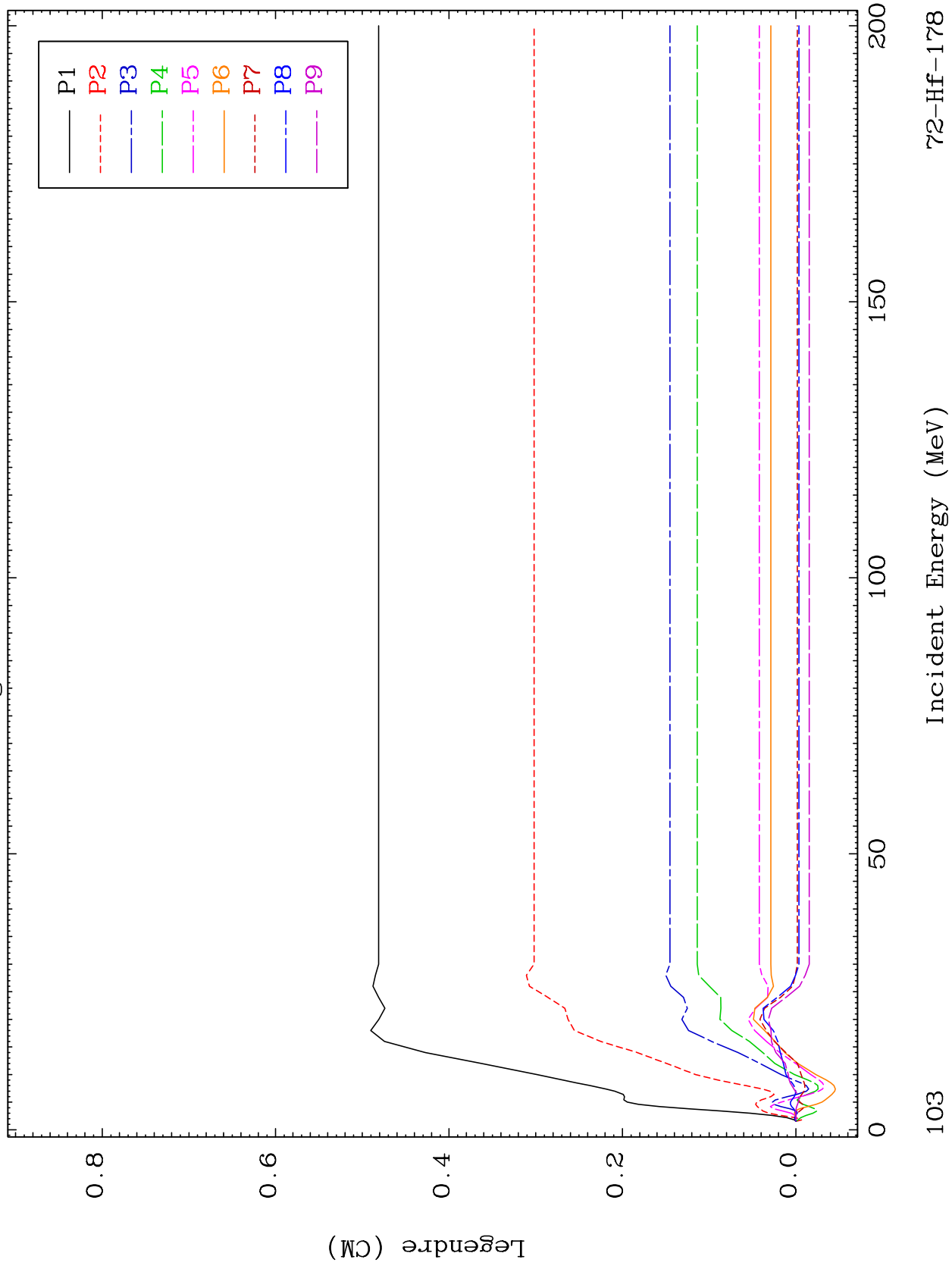




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MT= 74 (n, n') Level
Legendre Coefficients

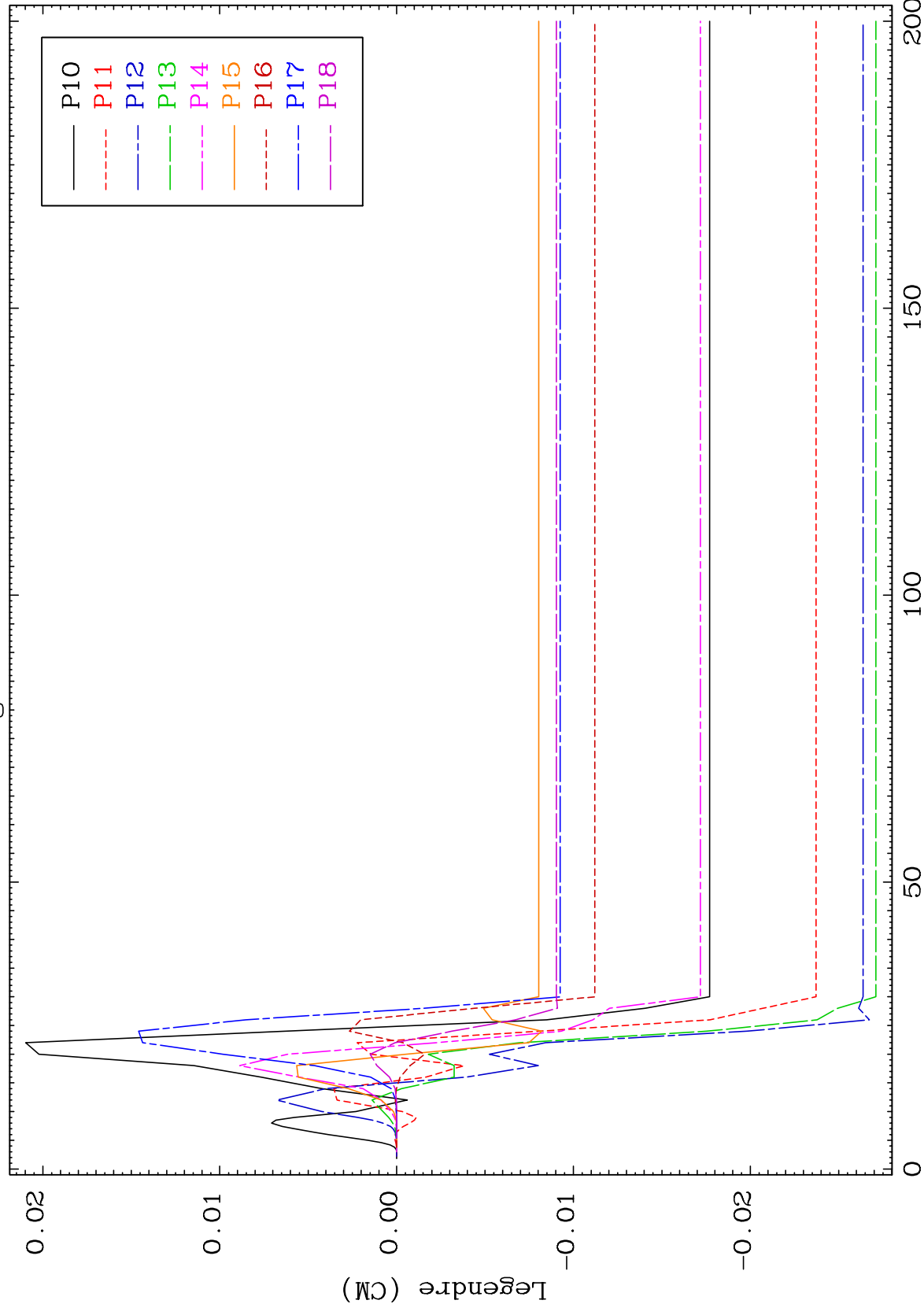
72-Hf-178



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

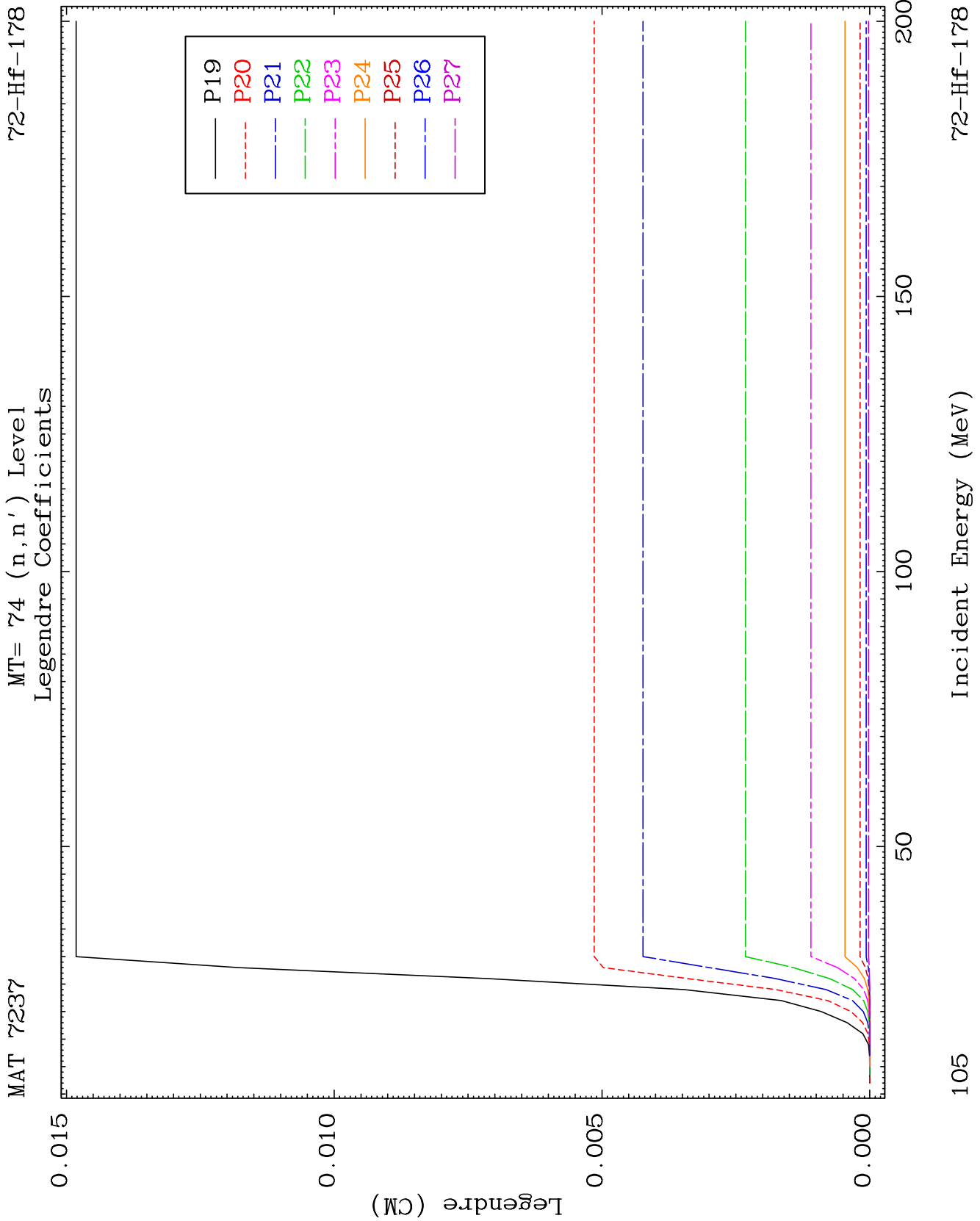
72-Hf-178

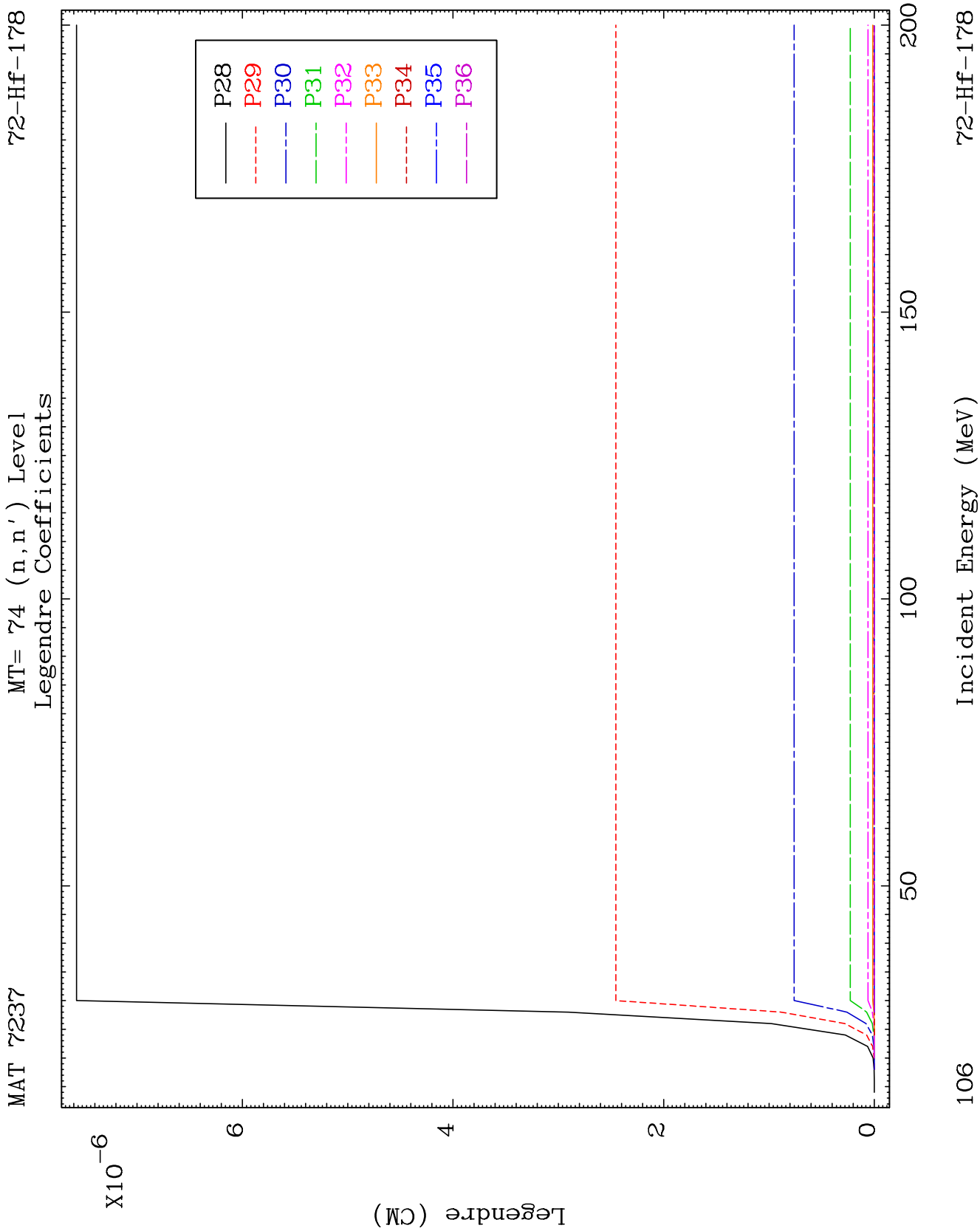


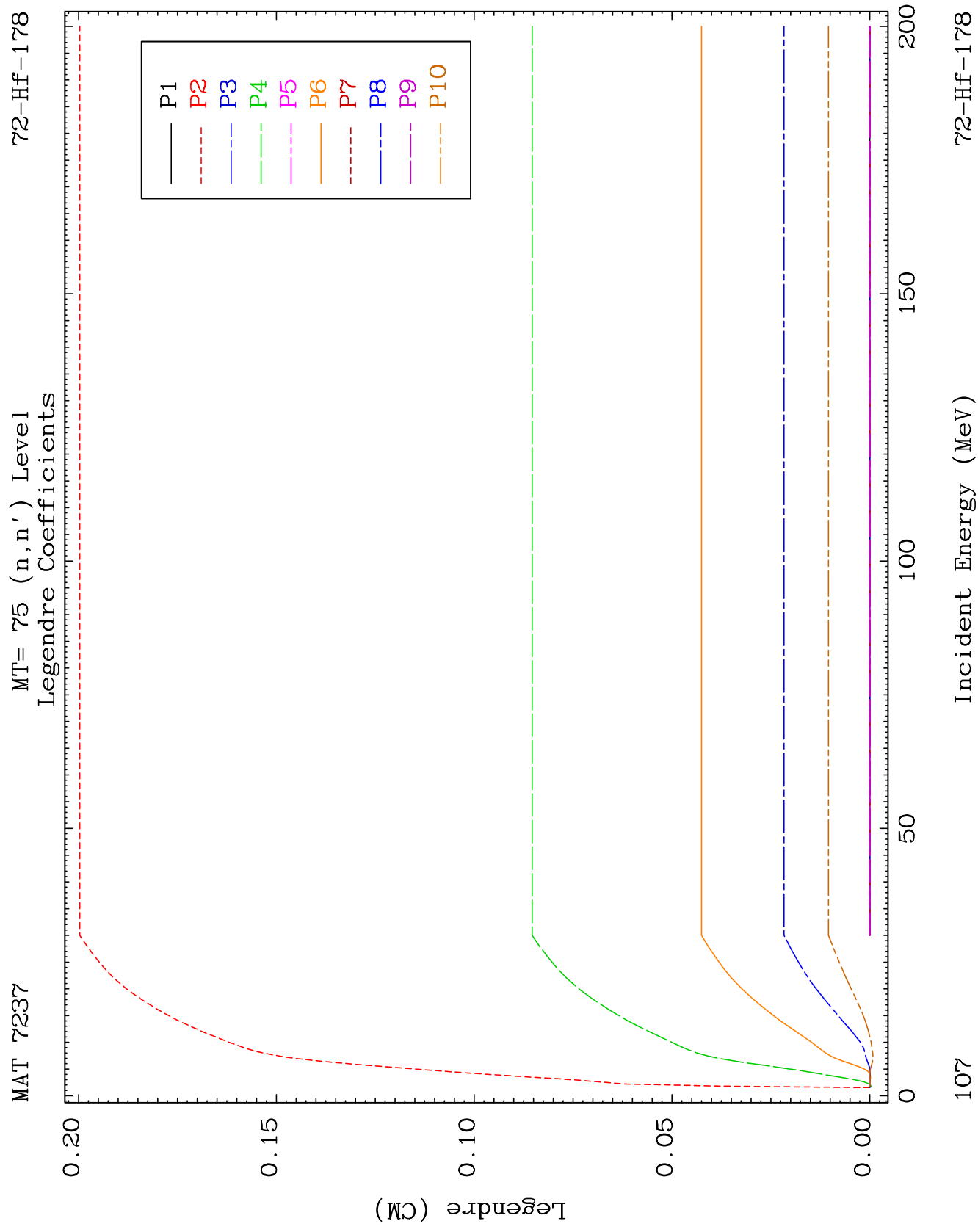
104

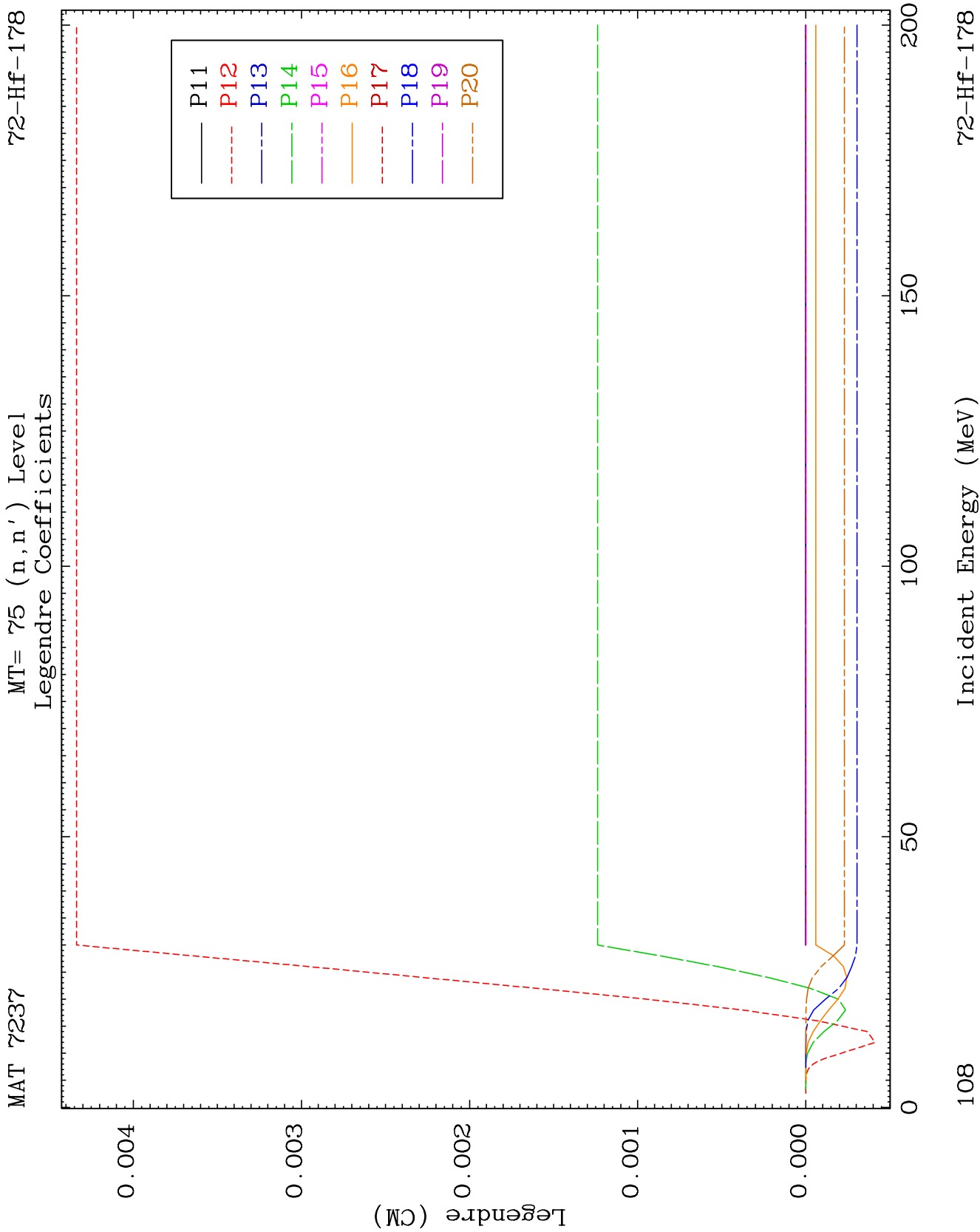
Incident Energy (MeV)

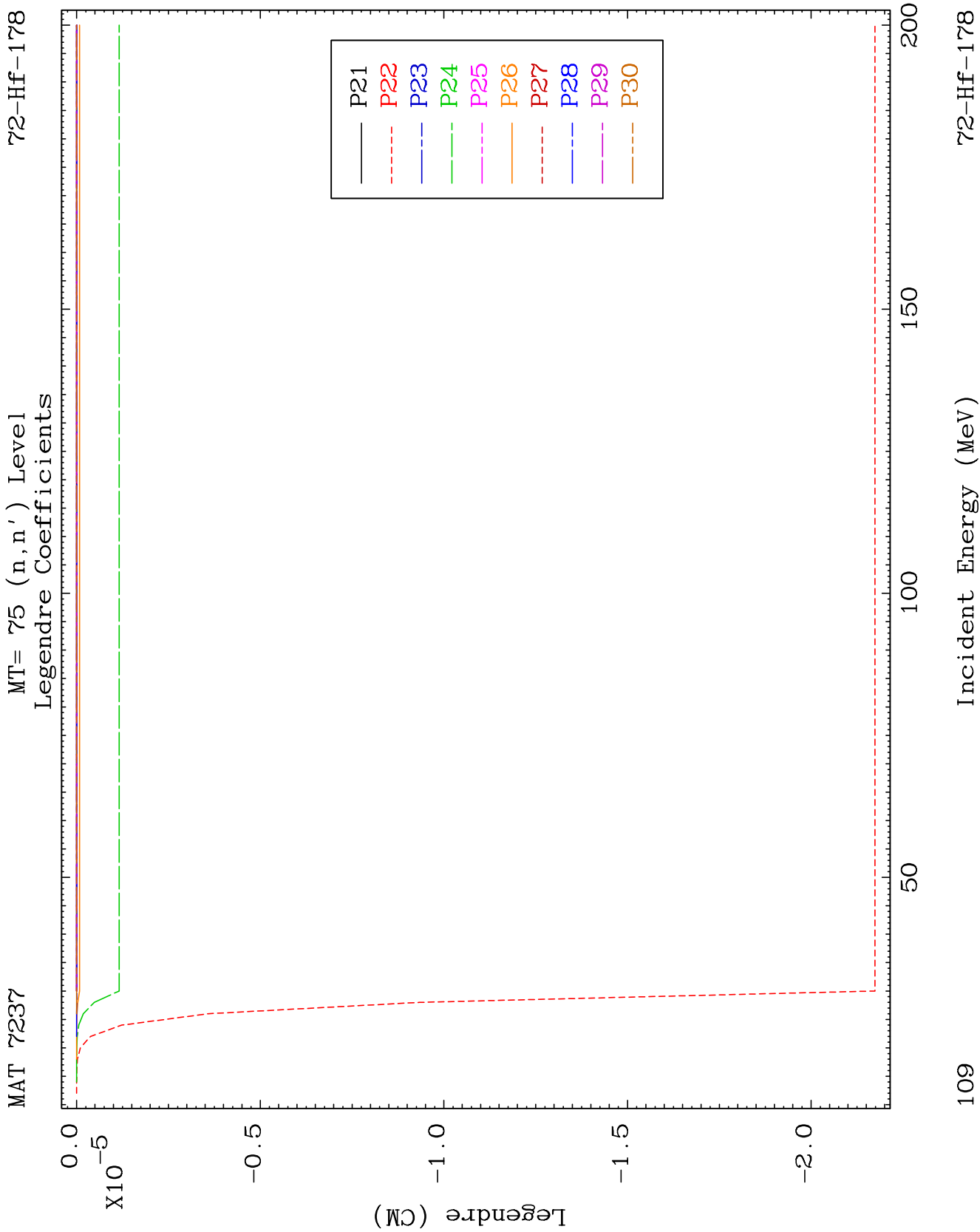
72-Hf-178







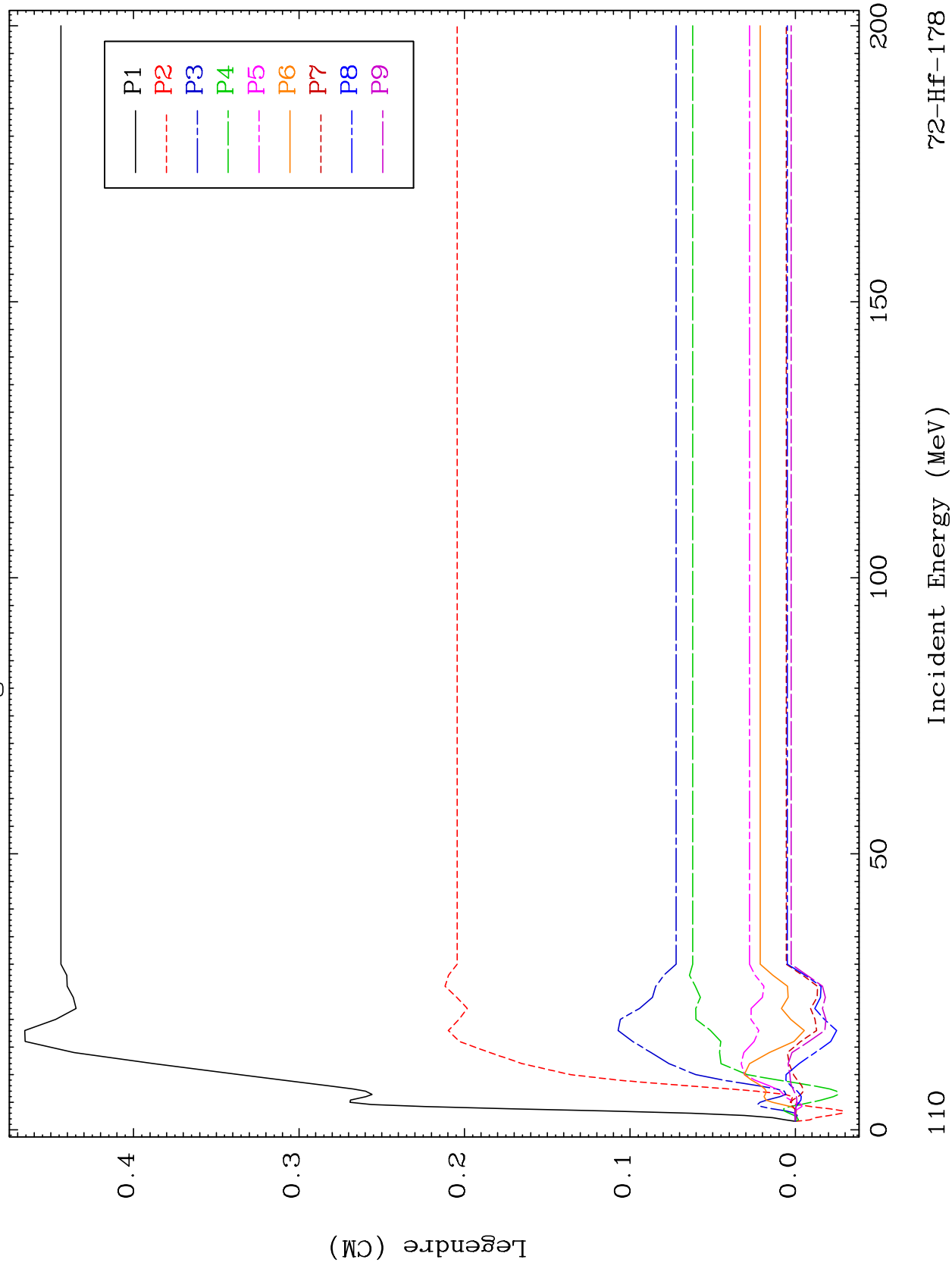




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MT= 76 (n, n') Level
Legendre Coefficients

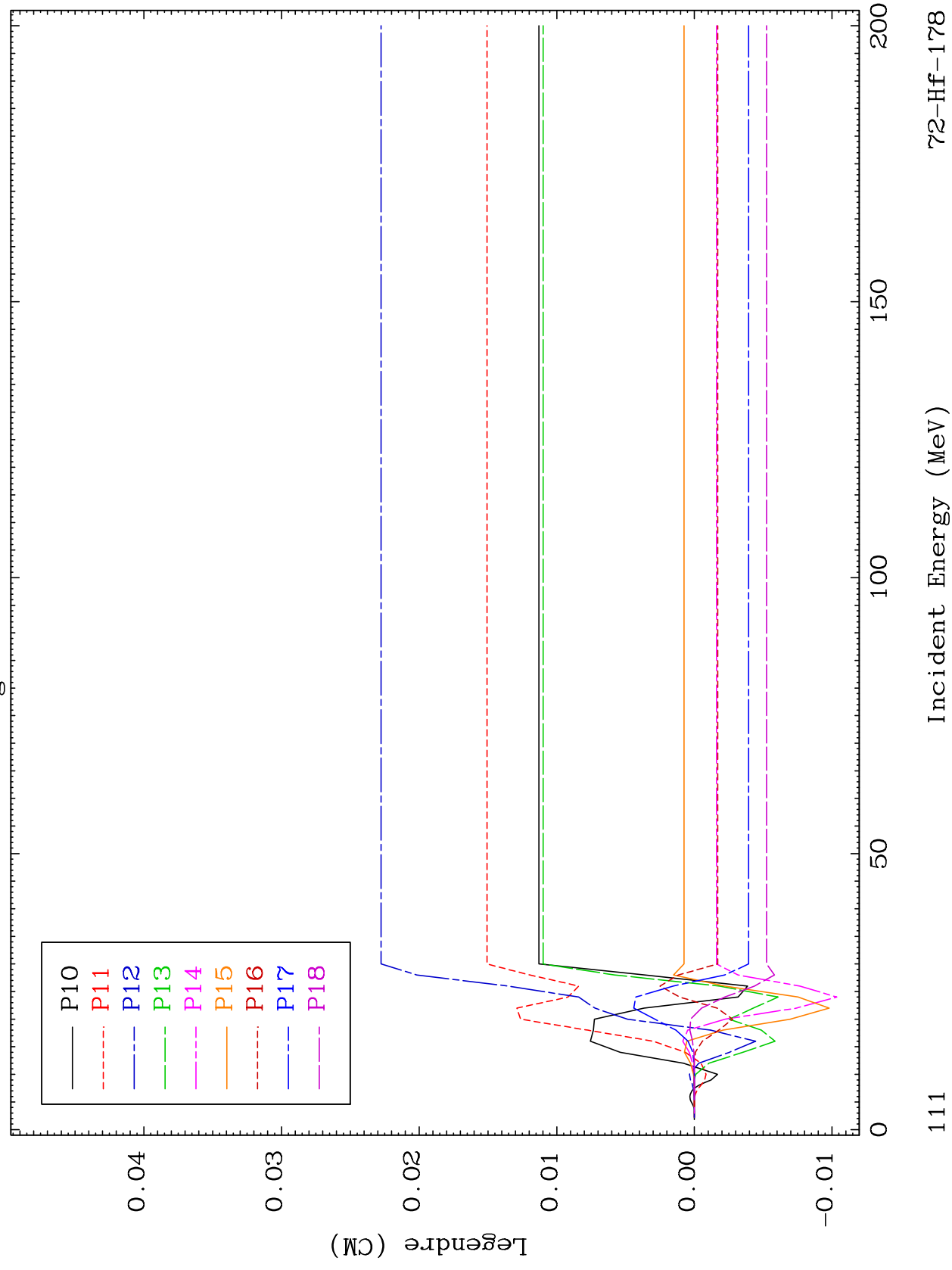
72-Hf-178



MAT 7237

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

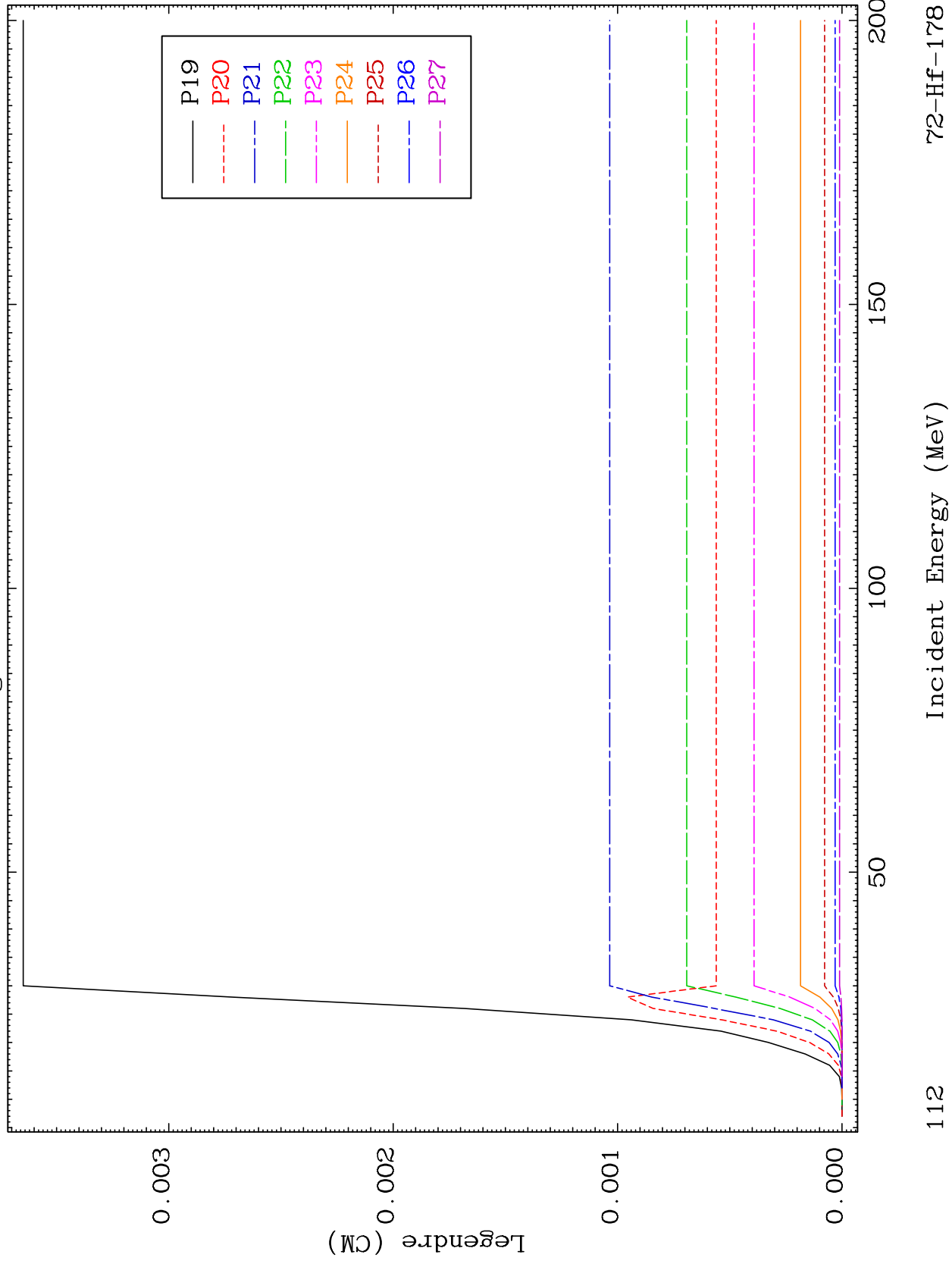
72-Hf-178

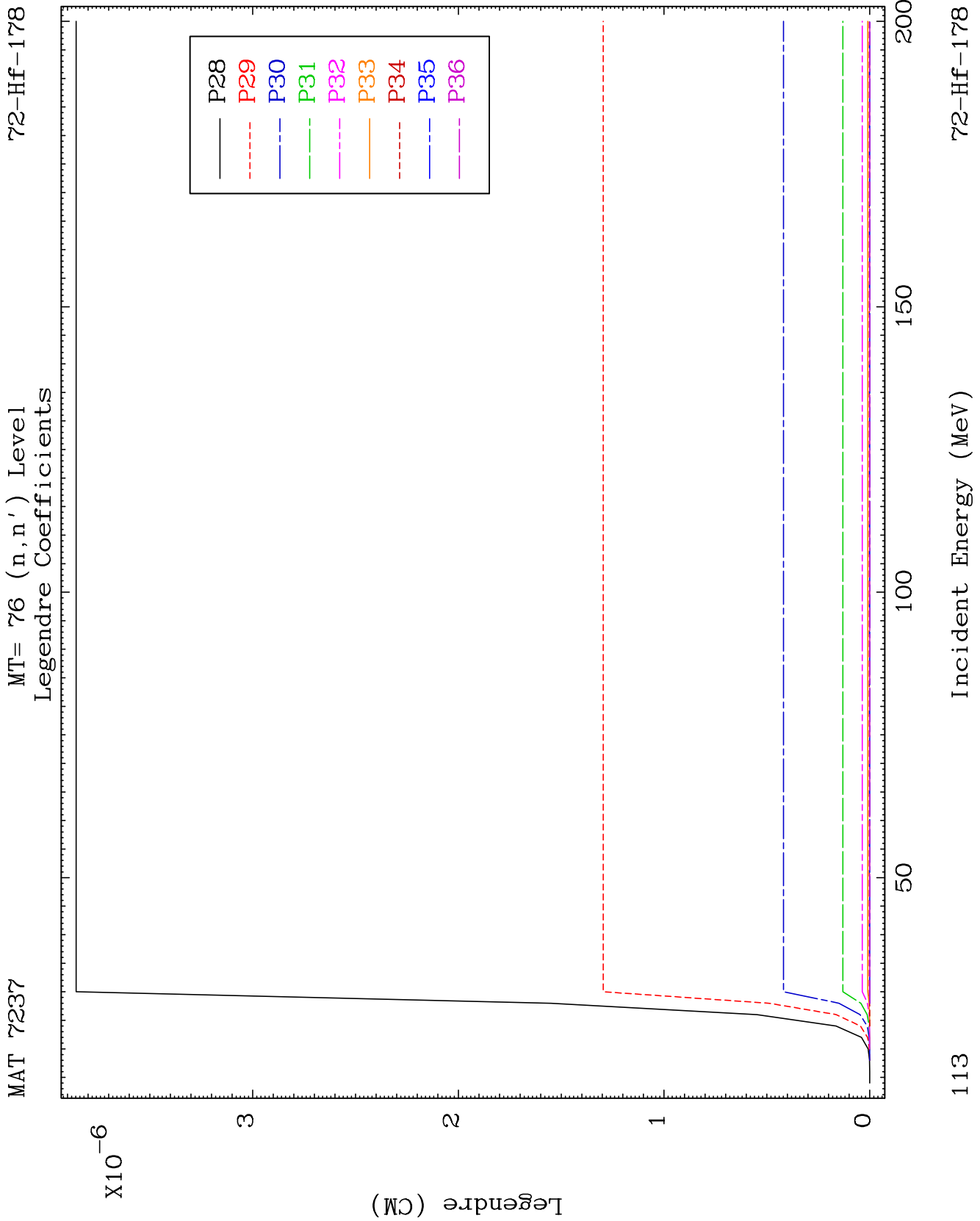


MAT 7237

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

72-Hf-178



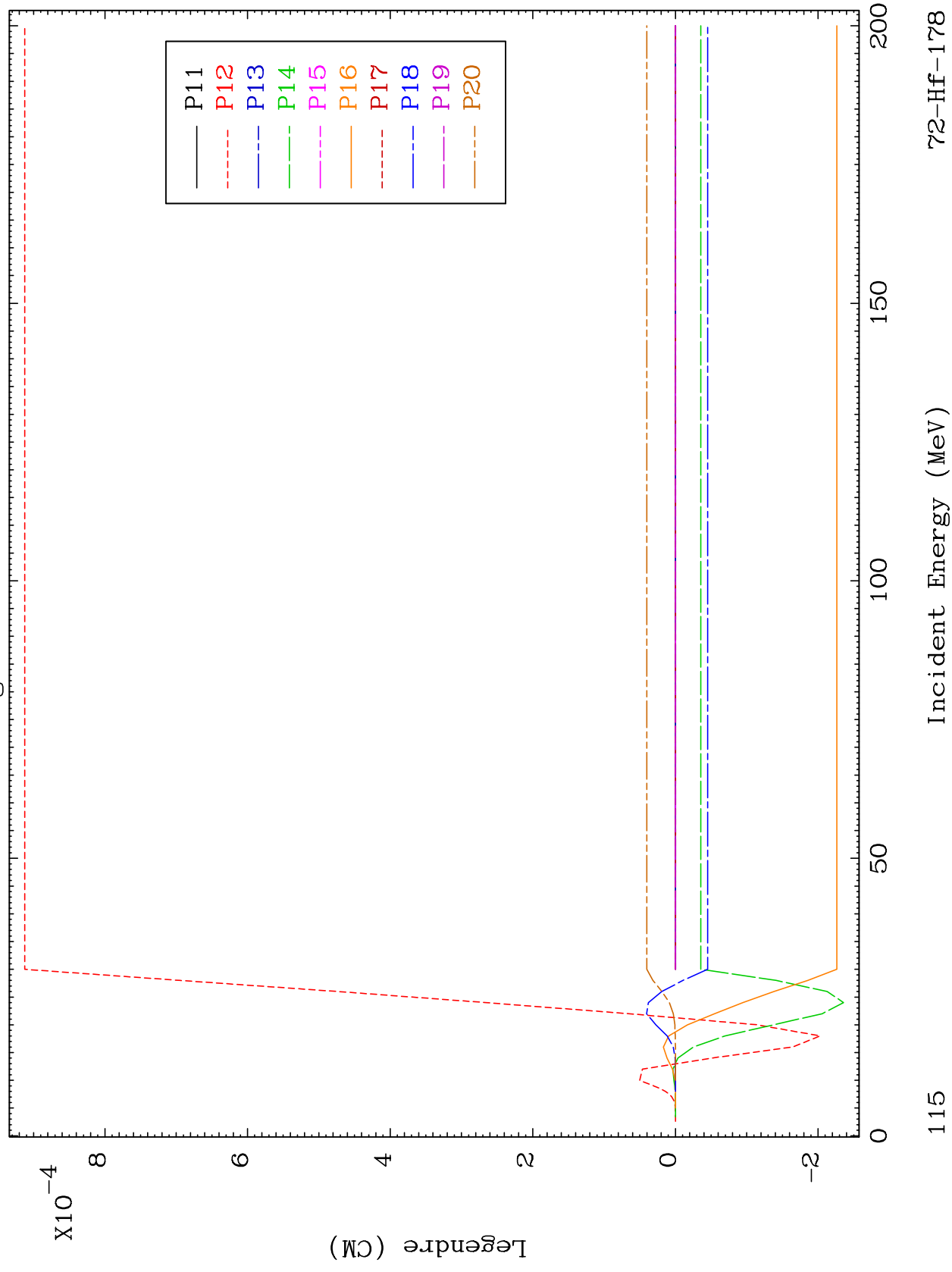


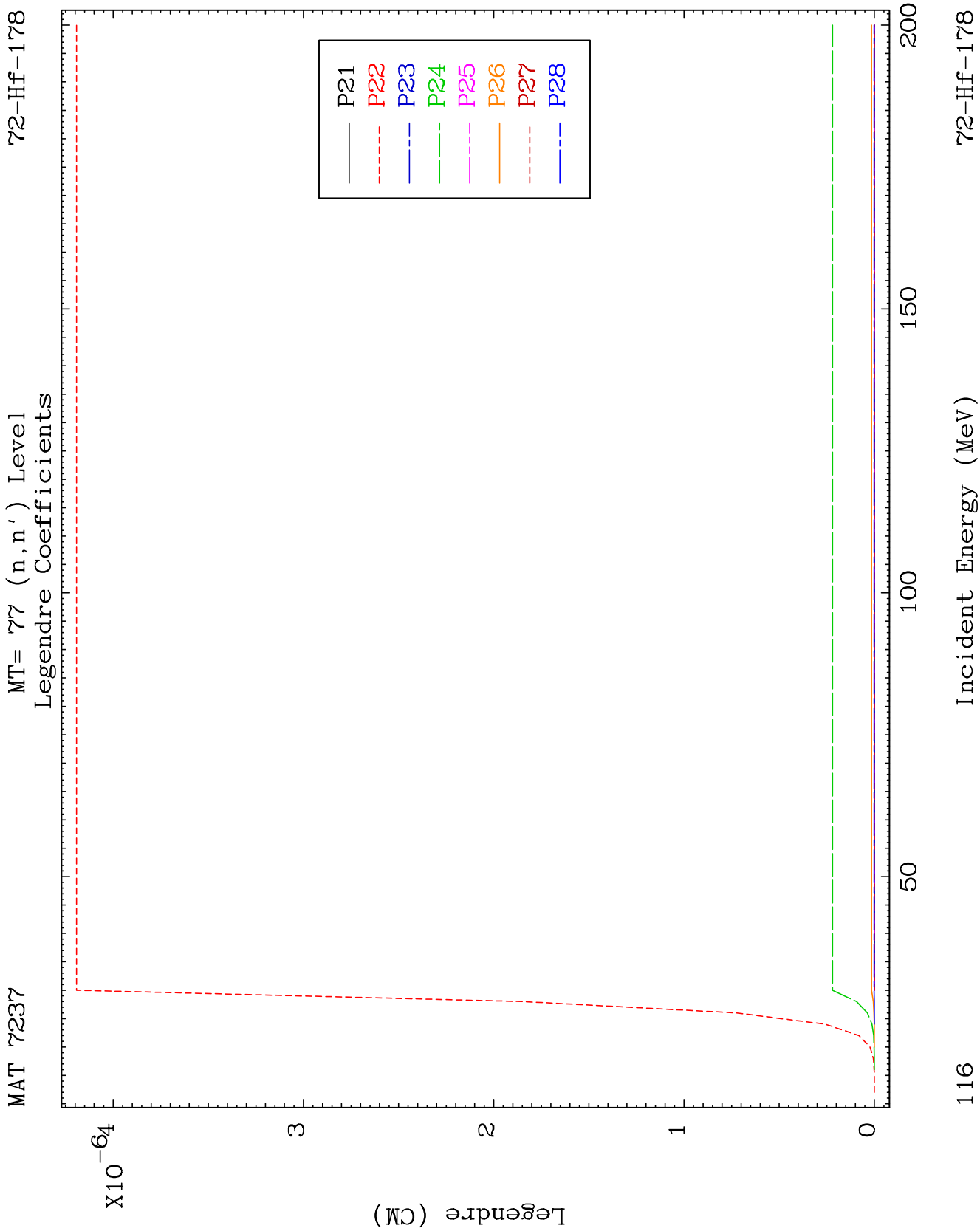
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$$\text{MT} = \gamma \gamma (n, n') \text{ Level}$$

72-Hf-178

Legendre Coefficients

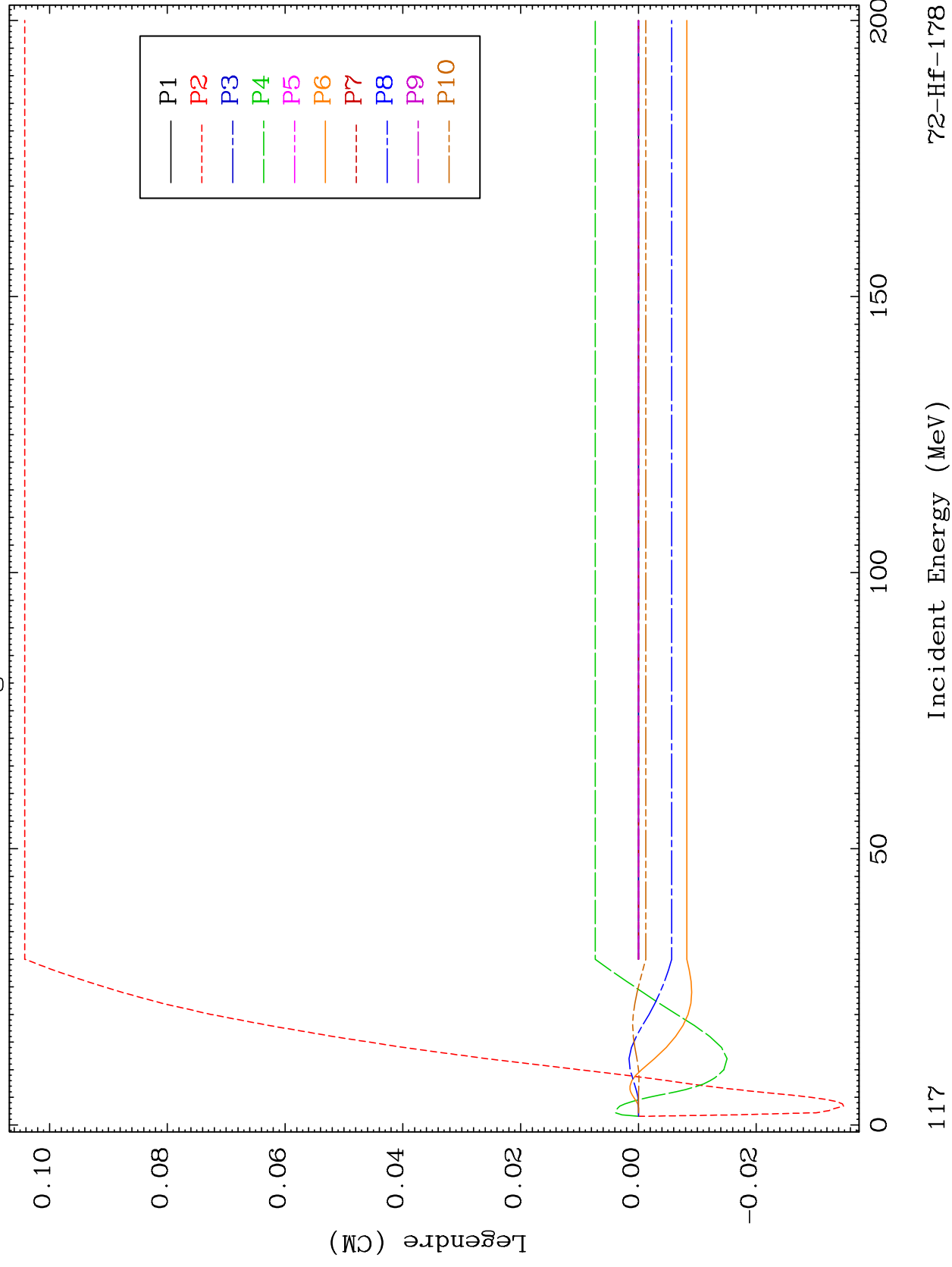


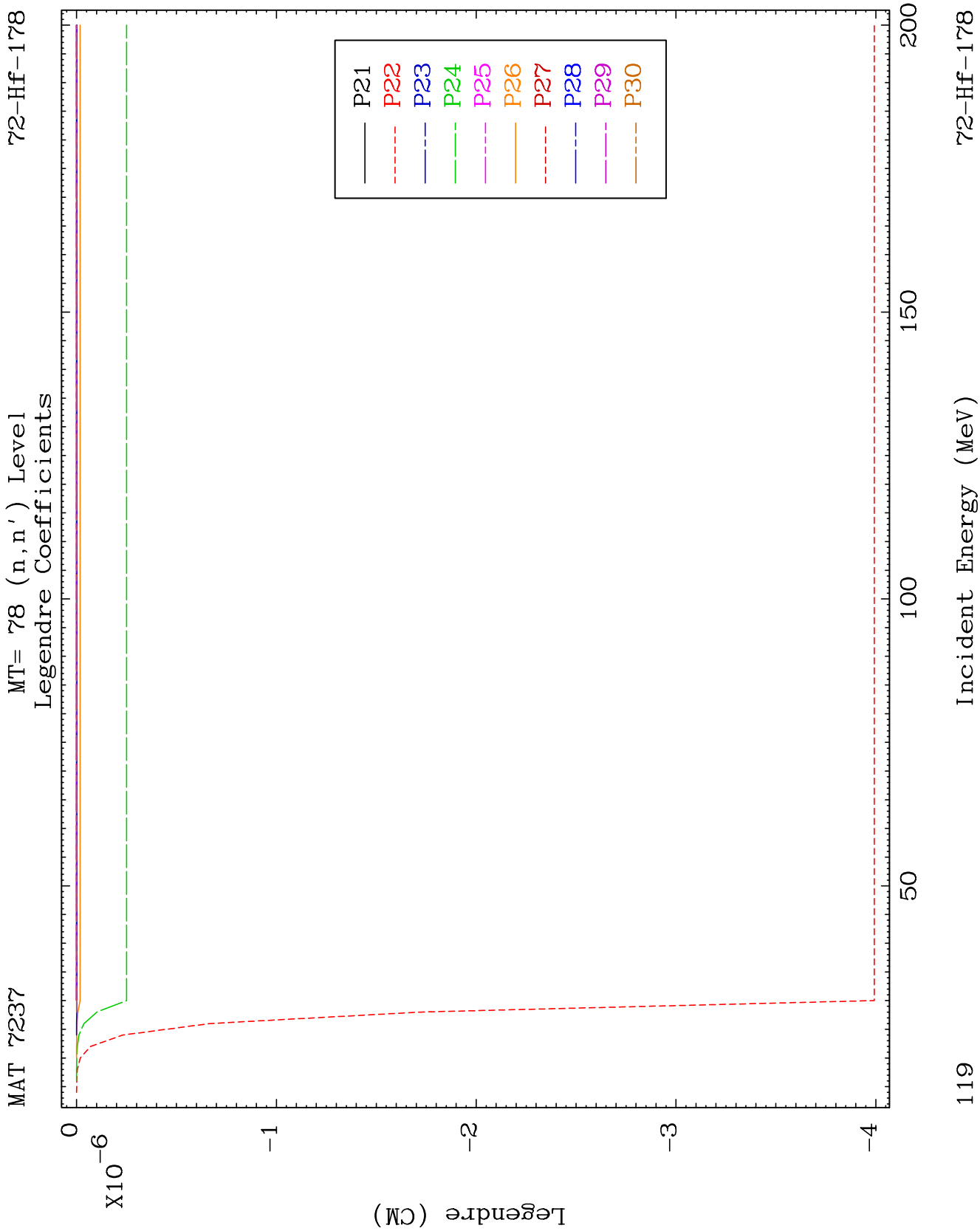


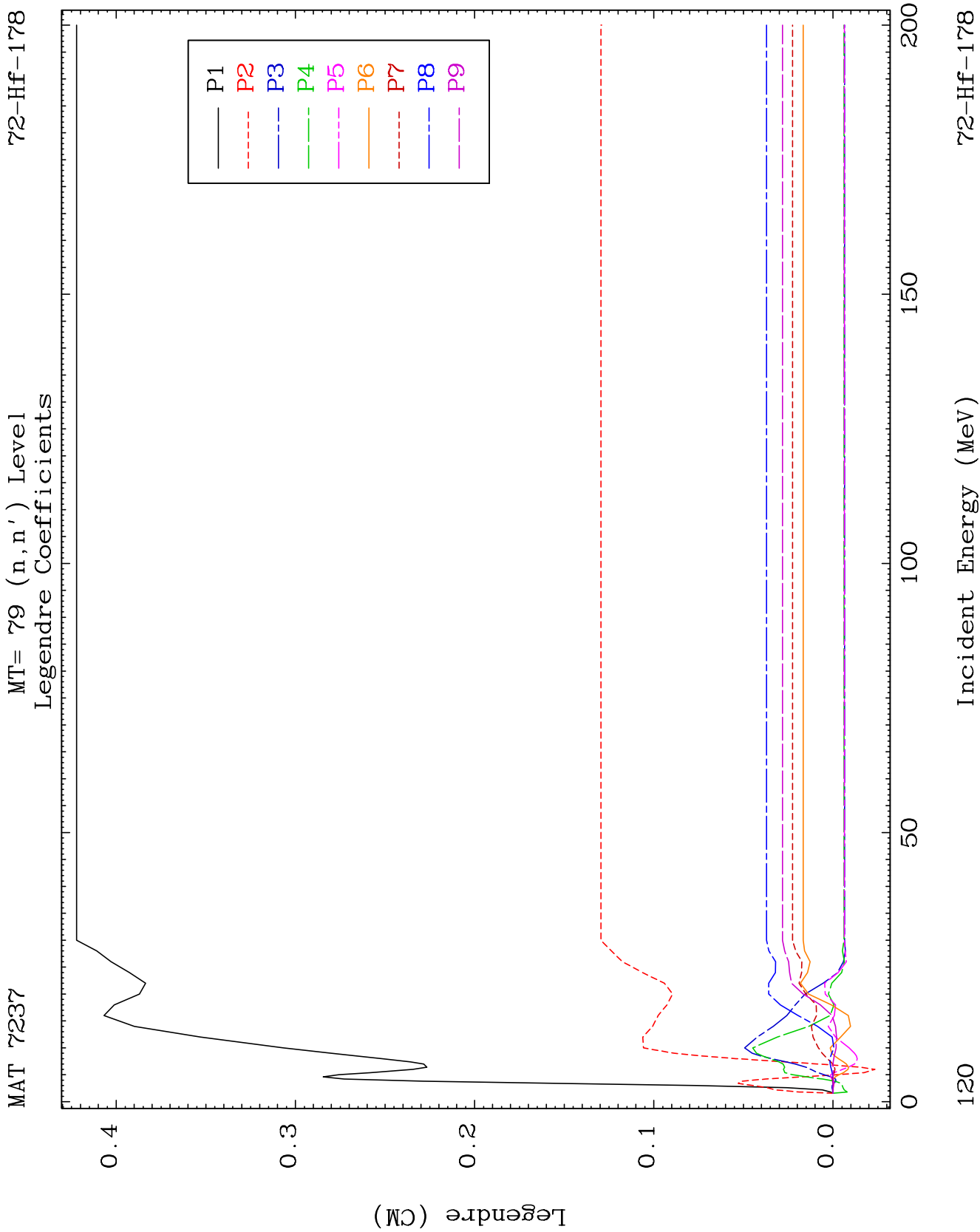
MAT 7237

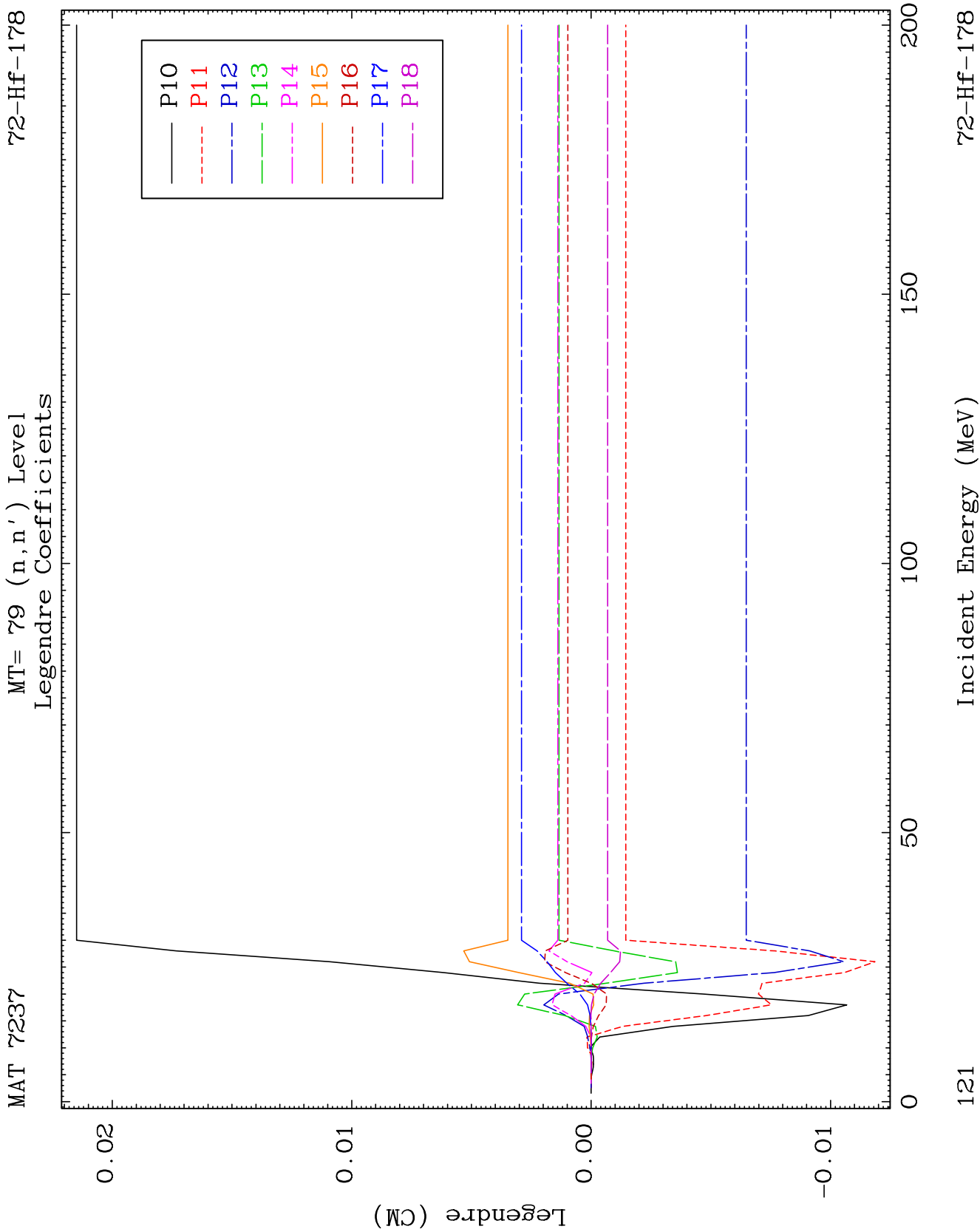
MT= 78 (n, n') Level
Legendre Coefficients

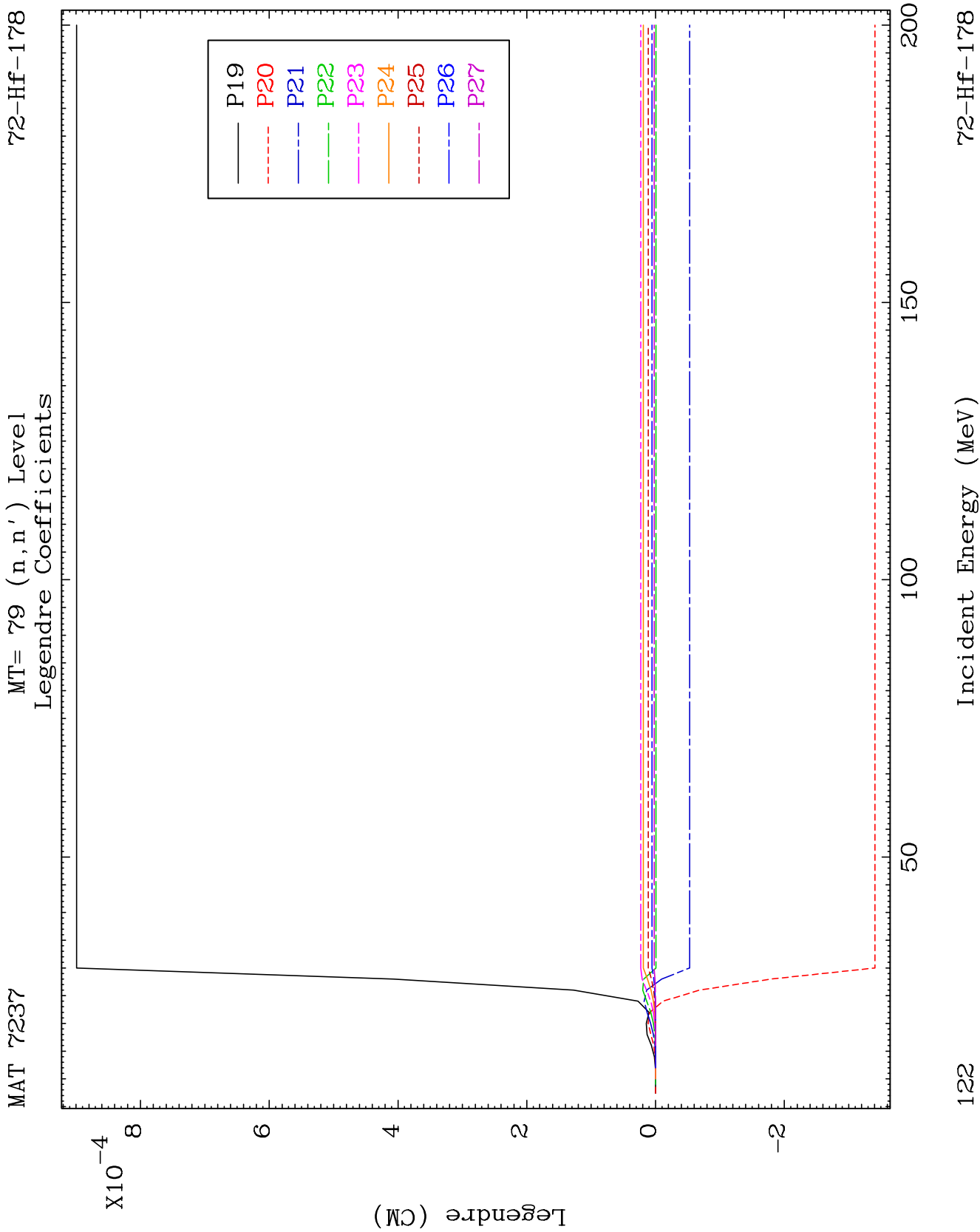
72-Hf-178

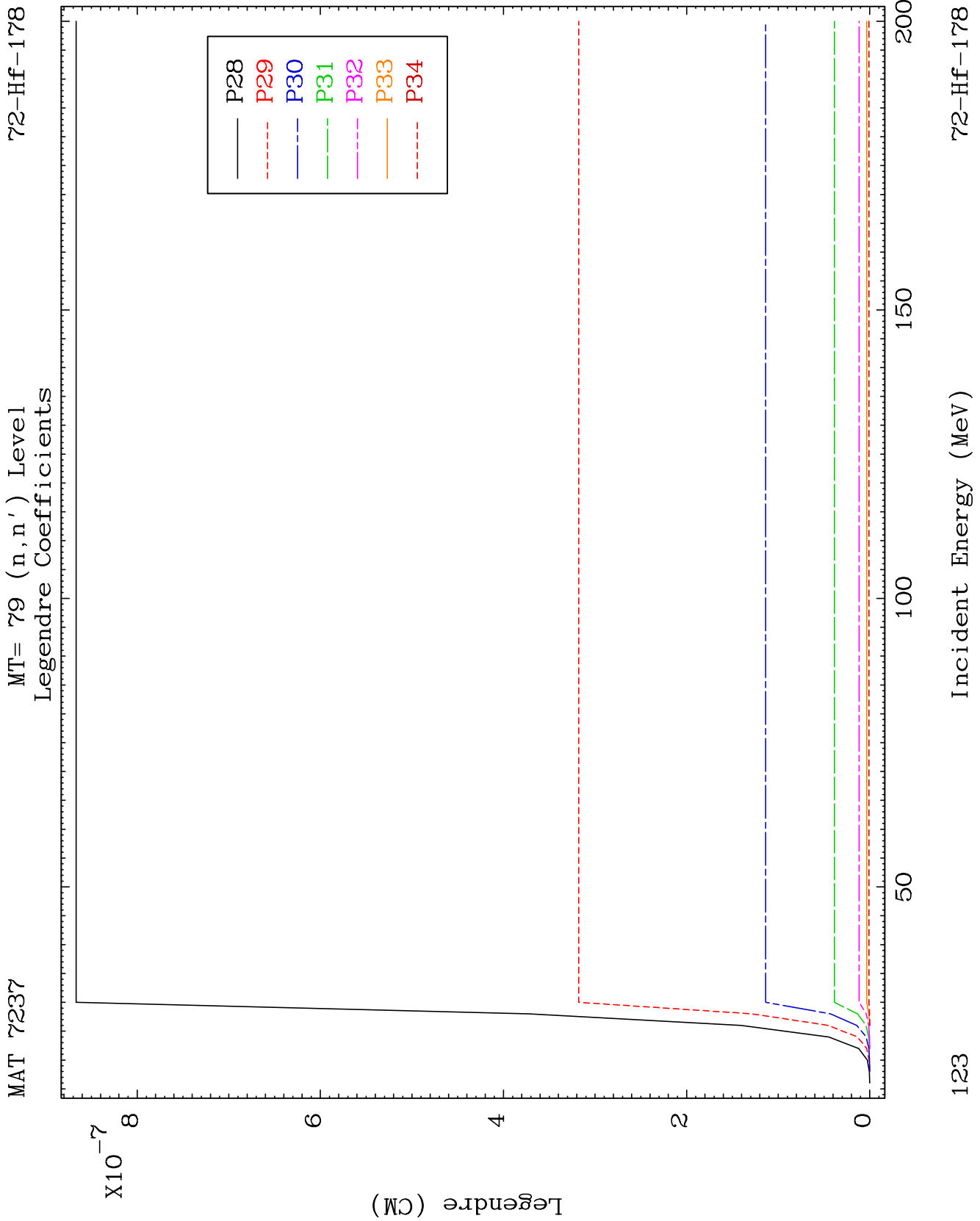








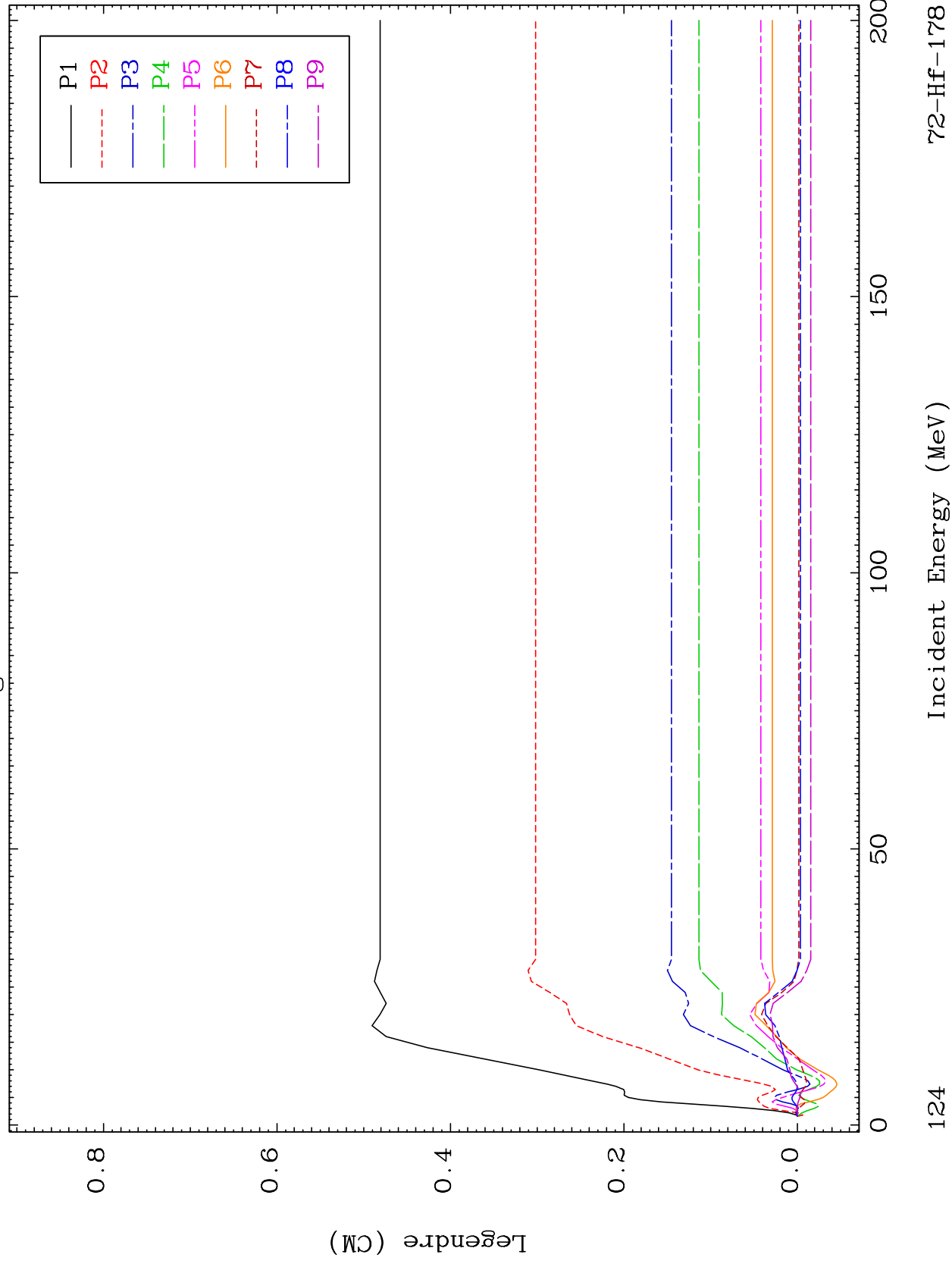


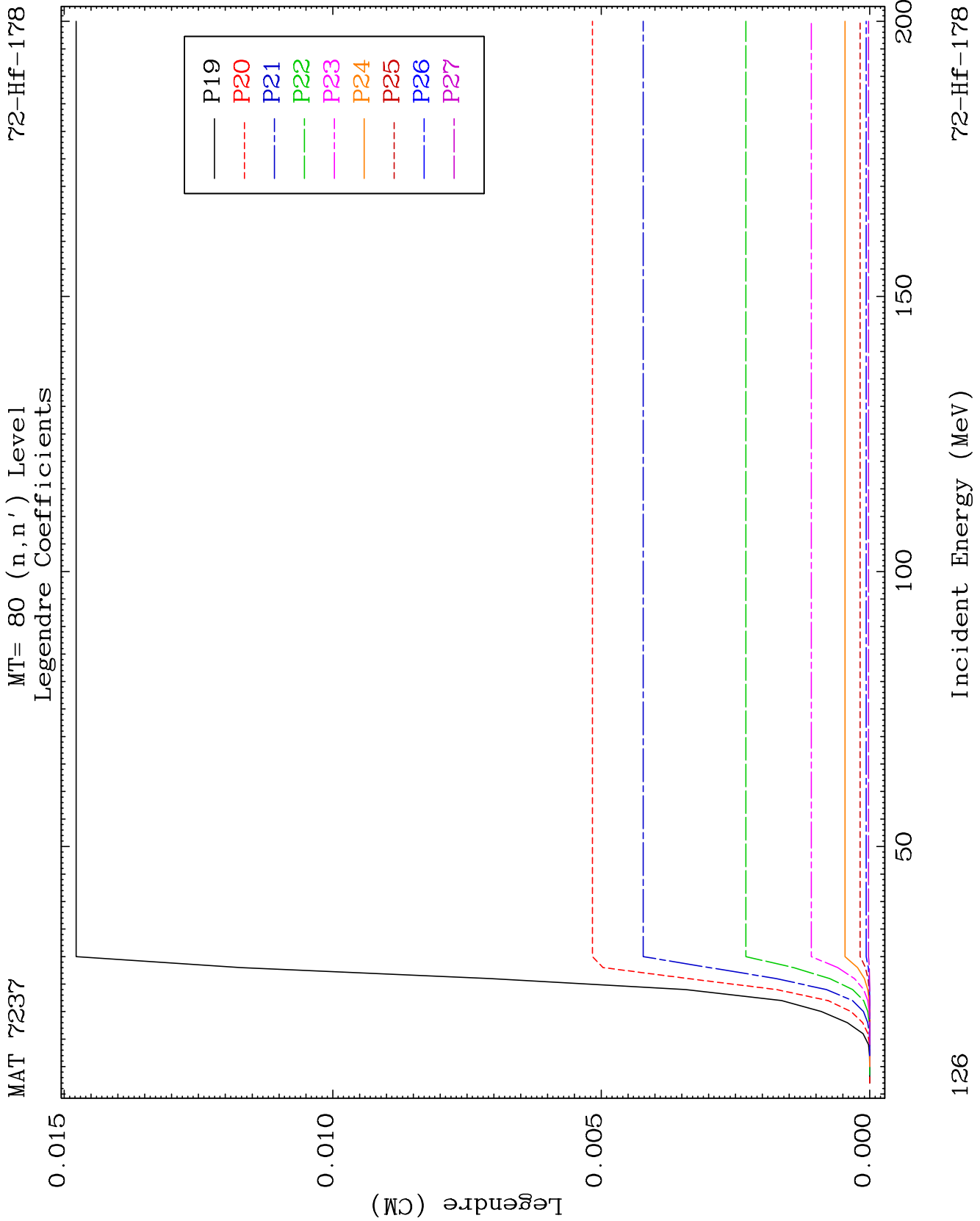


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MT= 80 (n, n') Level
Legendre Coefficients

72-Hf-178

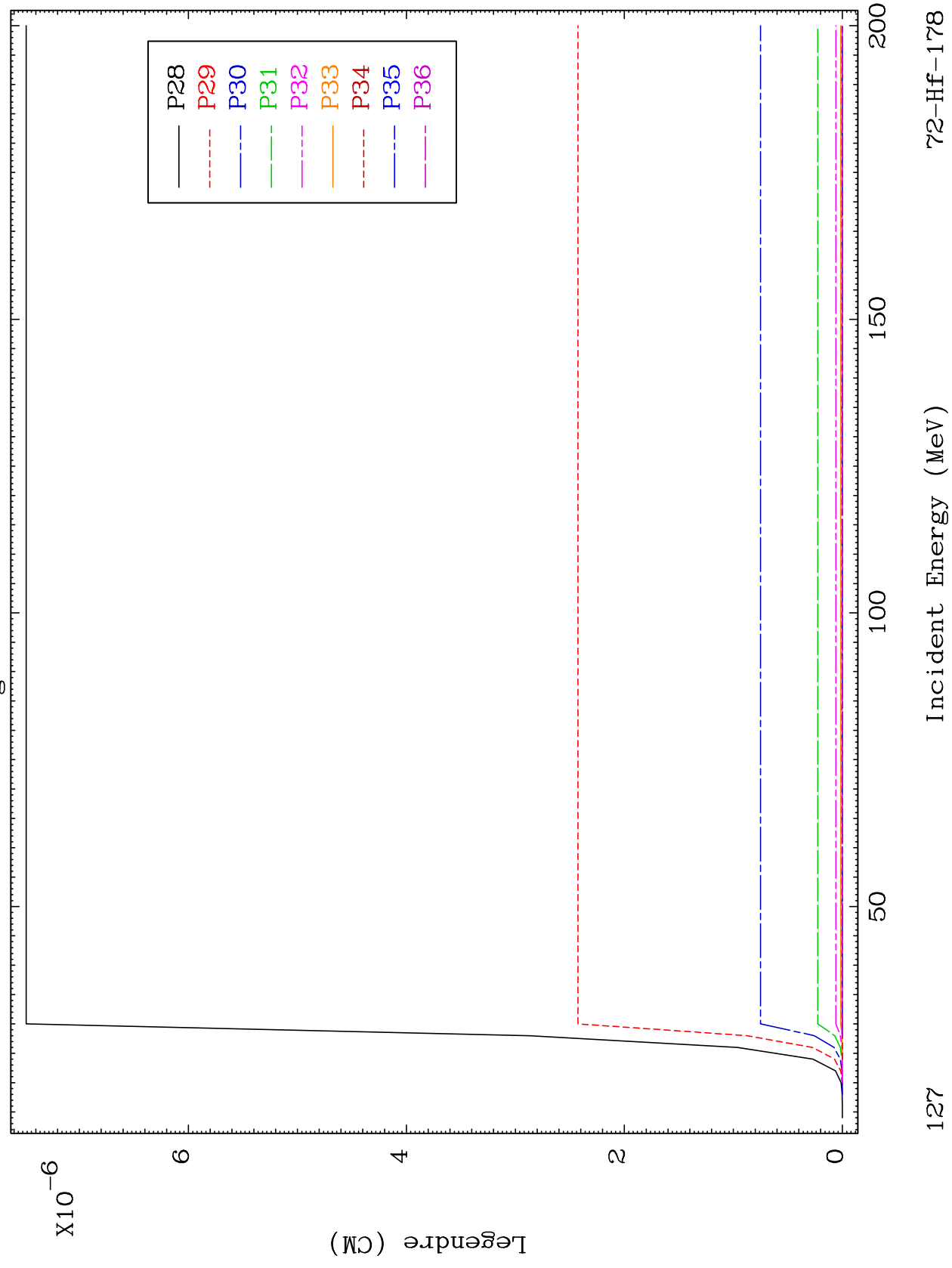




MAT 7237

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

72-Hf-178

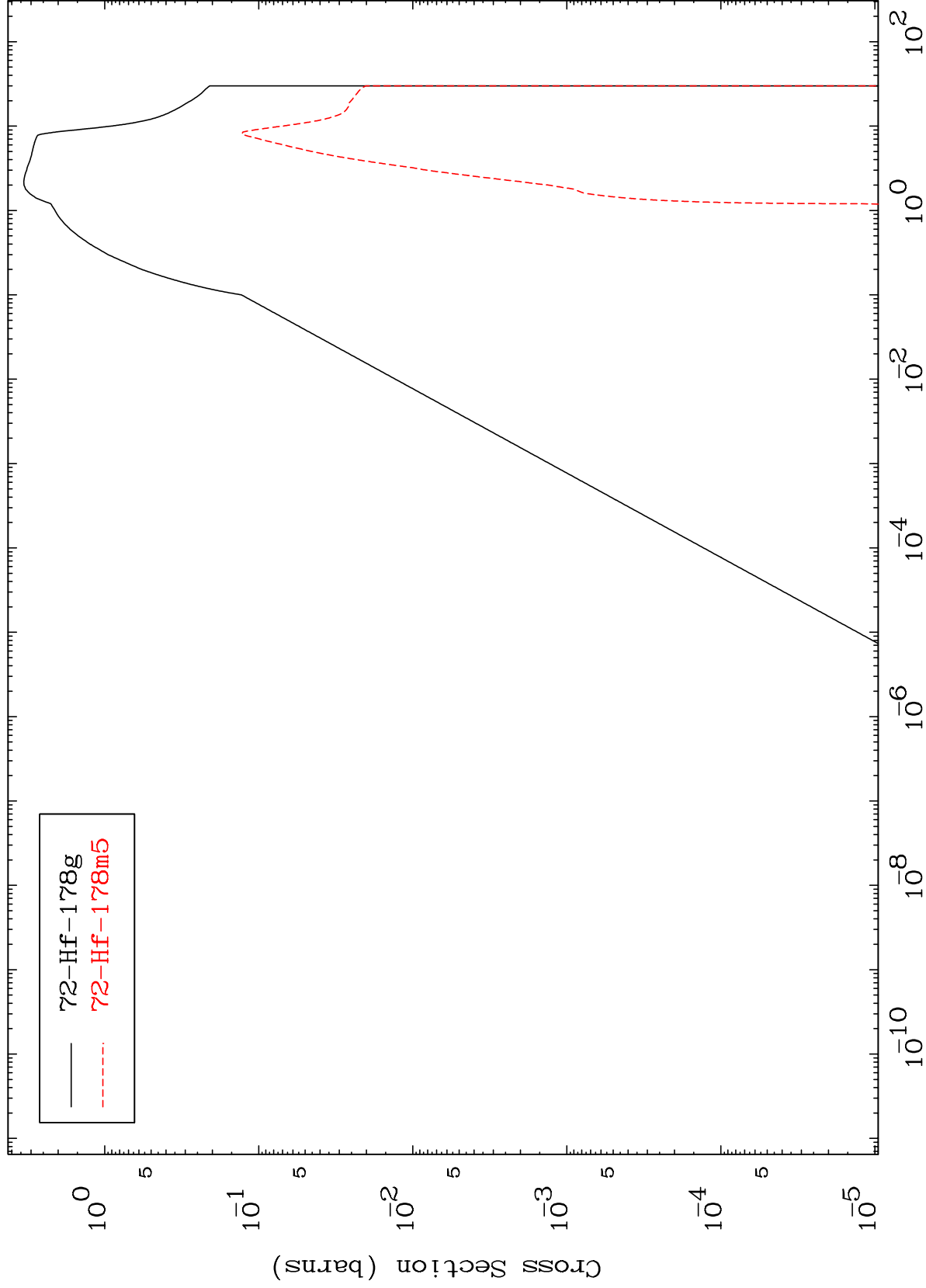


MAT 7237

Inelastic

⁷²Hf-178

Radionuclide Production Cross Section



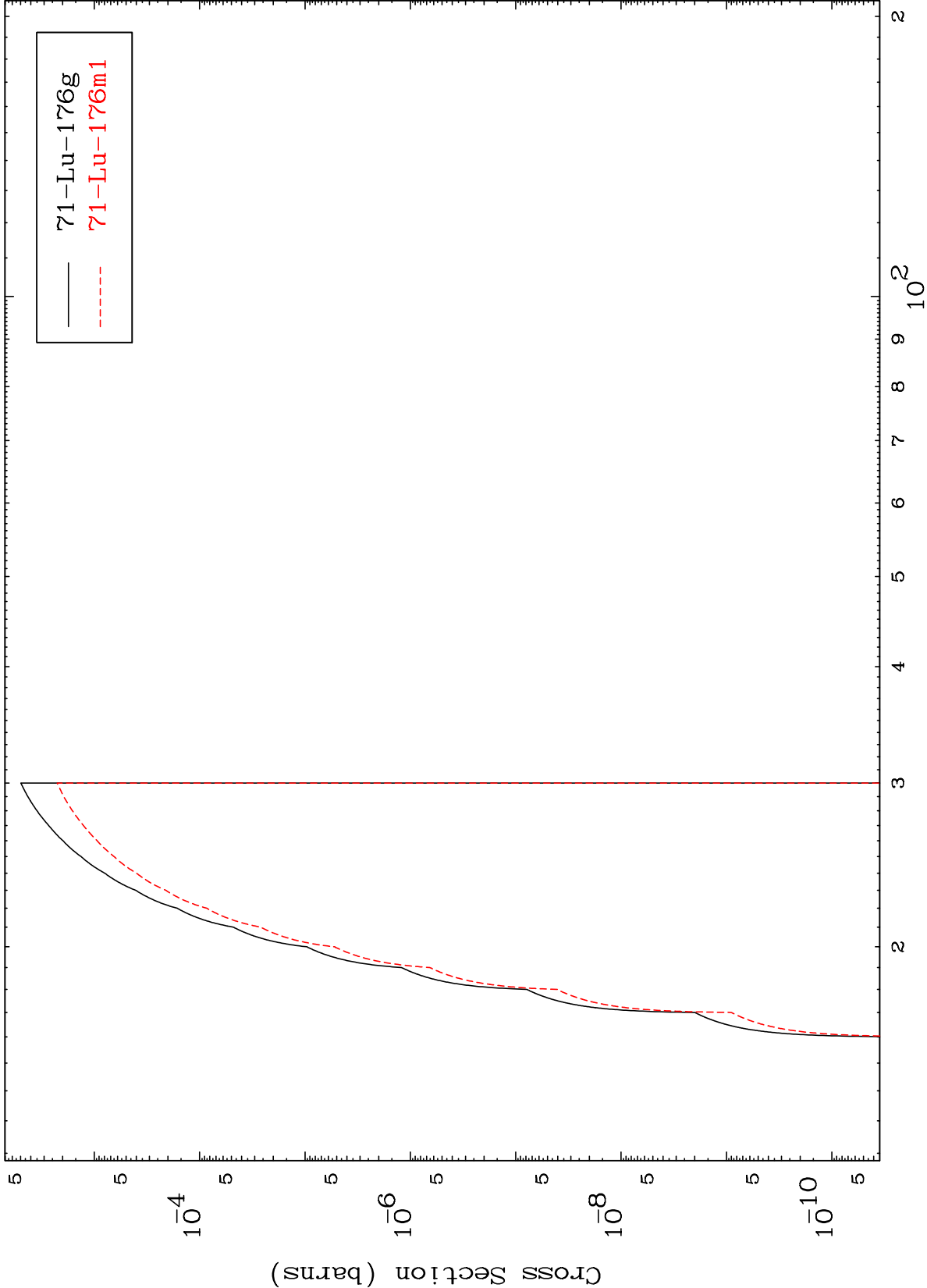
— ⁷²Hf-178g
- - - ⁷²Hf-178m5

128

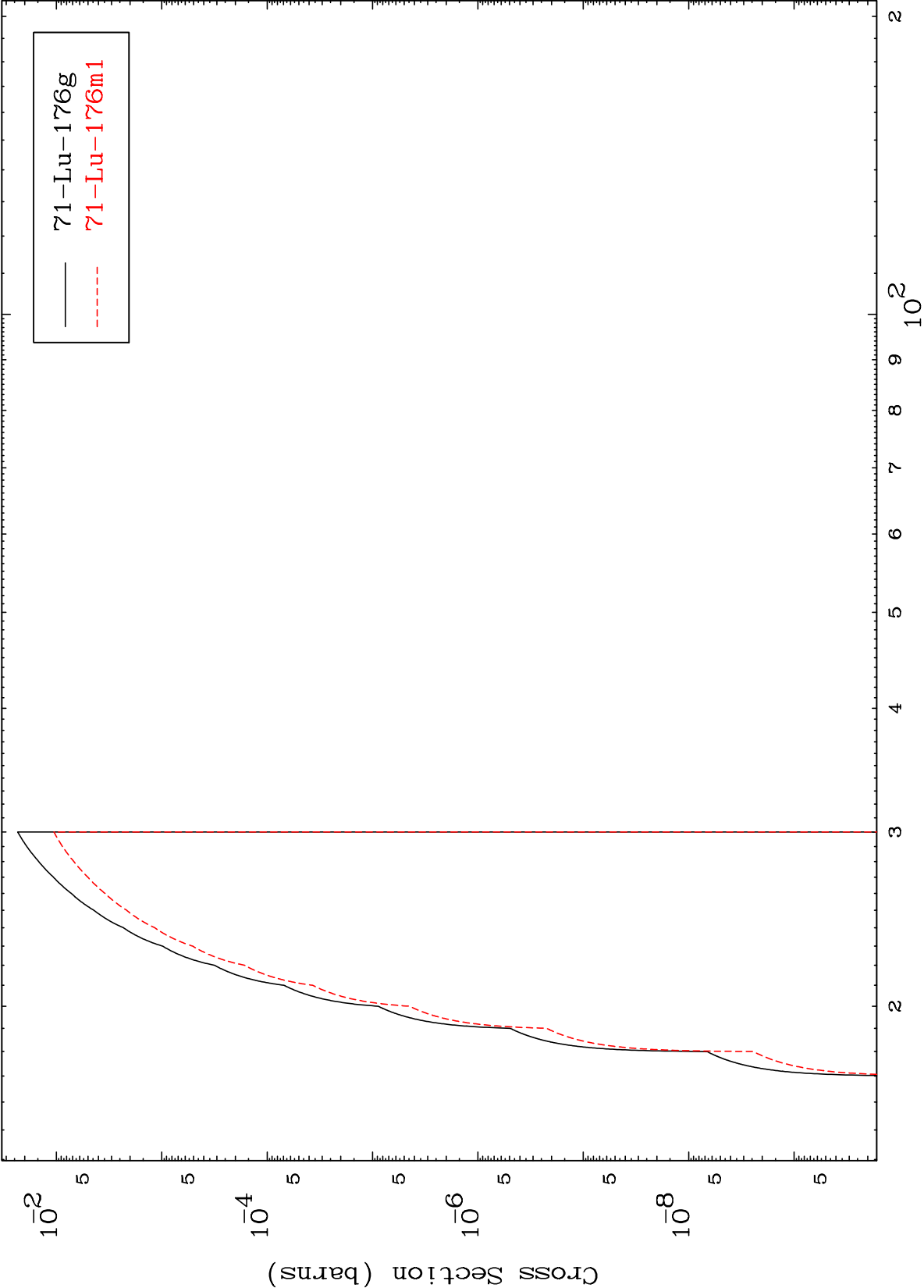
Incident Energy (MeV)

⁷²Hf-178

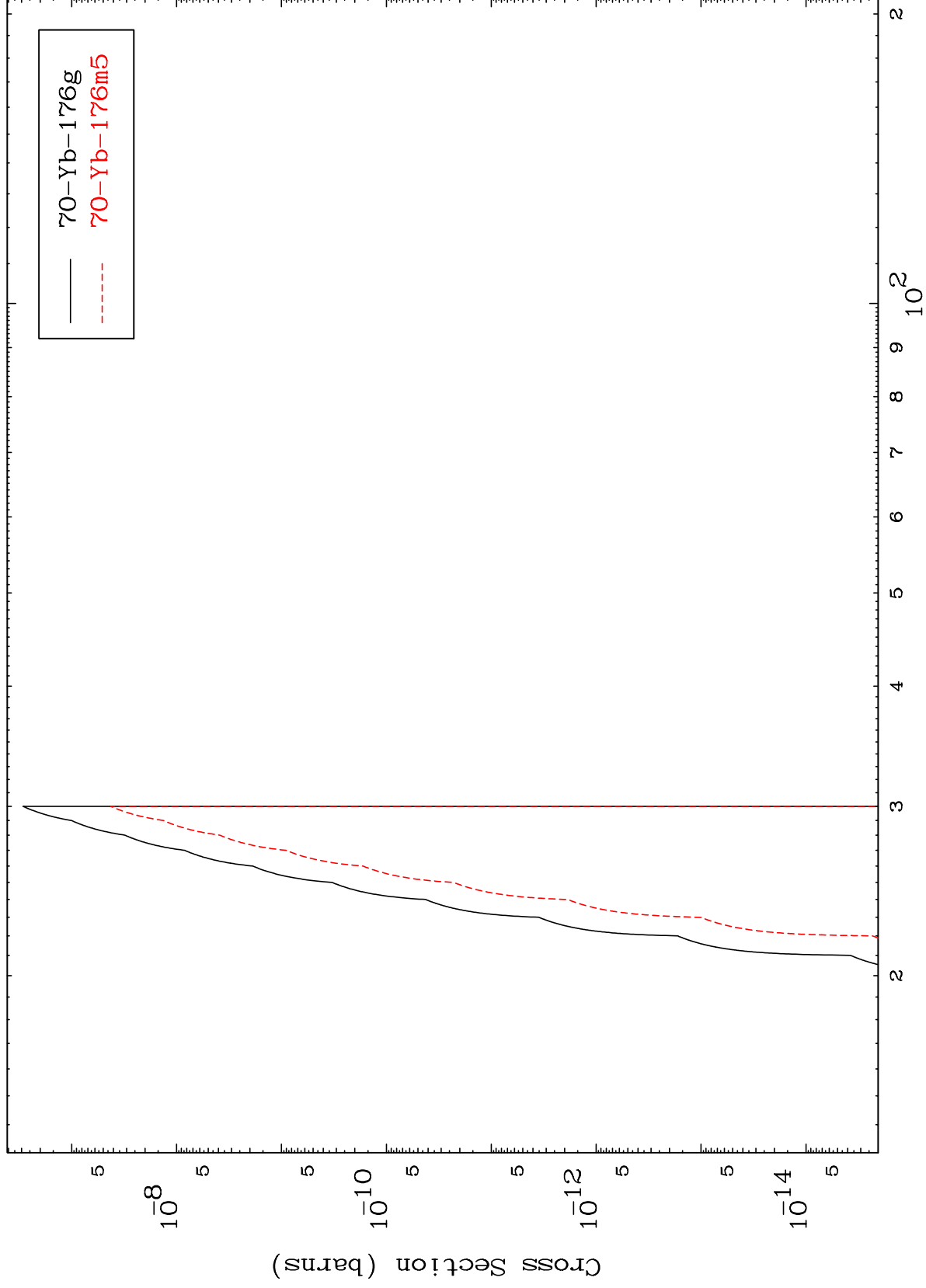
Radionuclide Production Cross Section



Radionuclide Production Cross Section



(n,2n) p
Radionuclide Production Cross Section

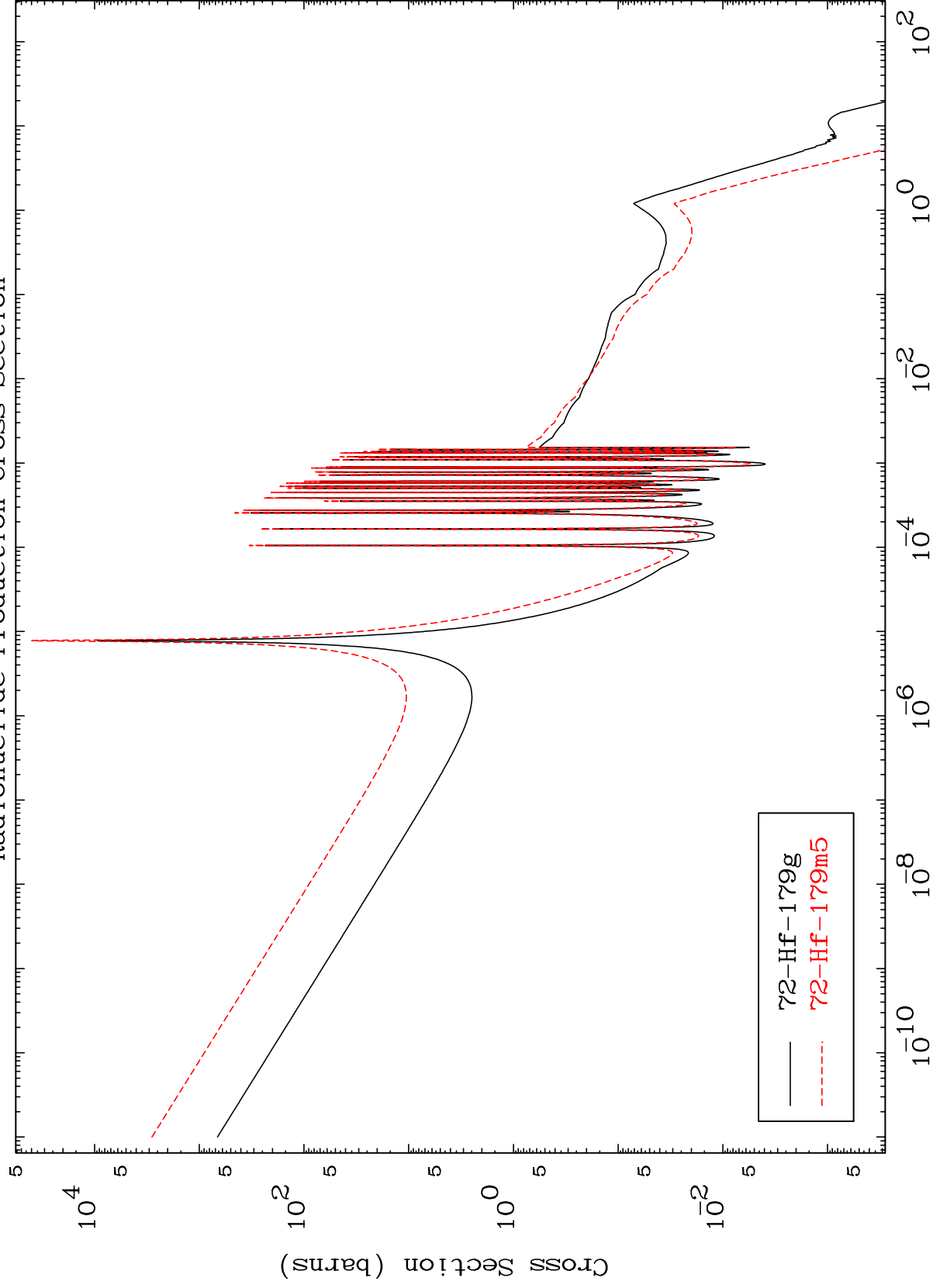


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72-Hf-178

Radionuclide Production Cross Section

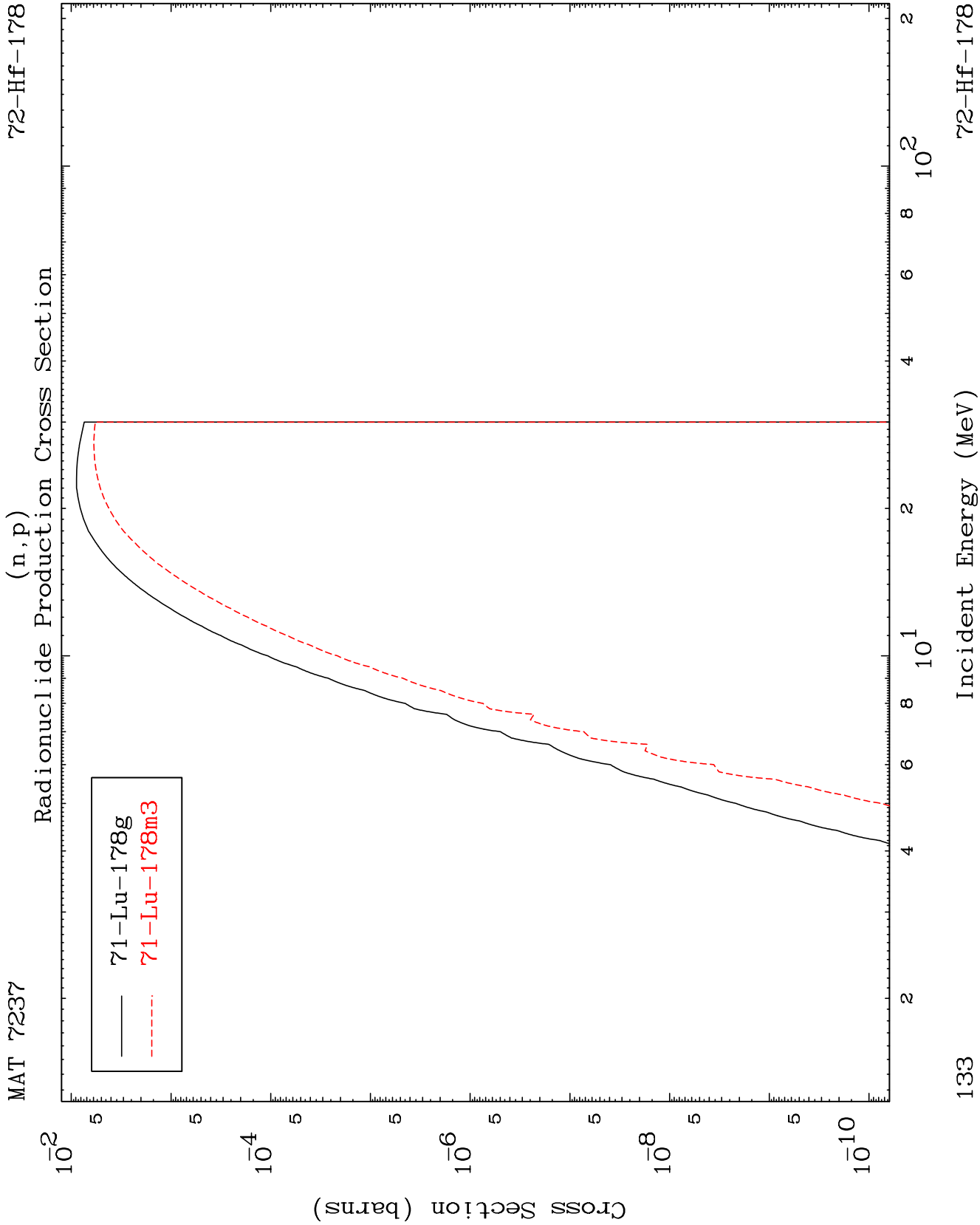
(n, γ)



72-Hf-178

Incident Energy (MeV)

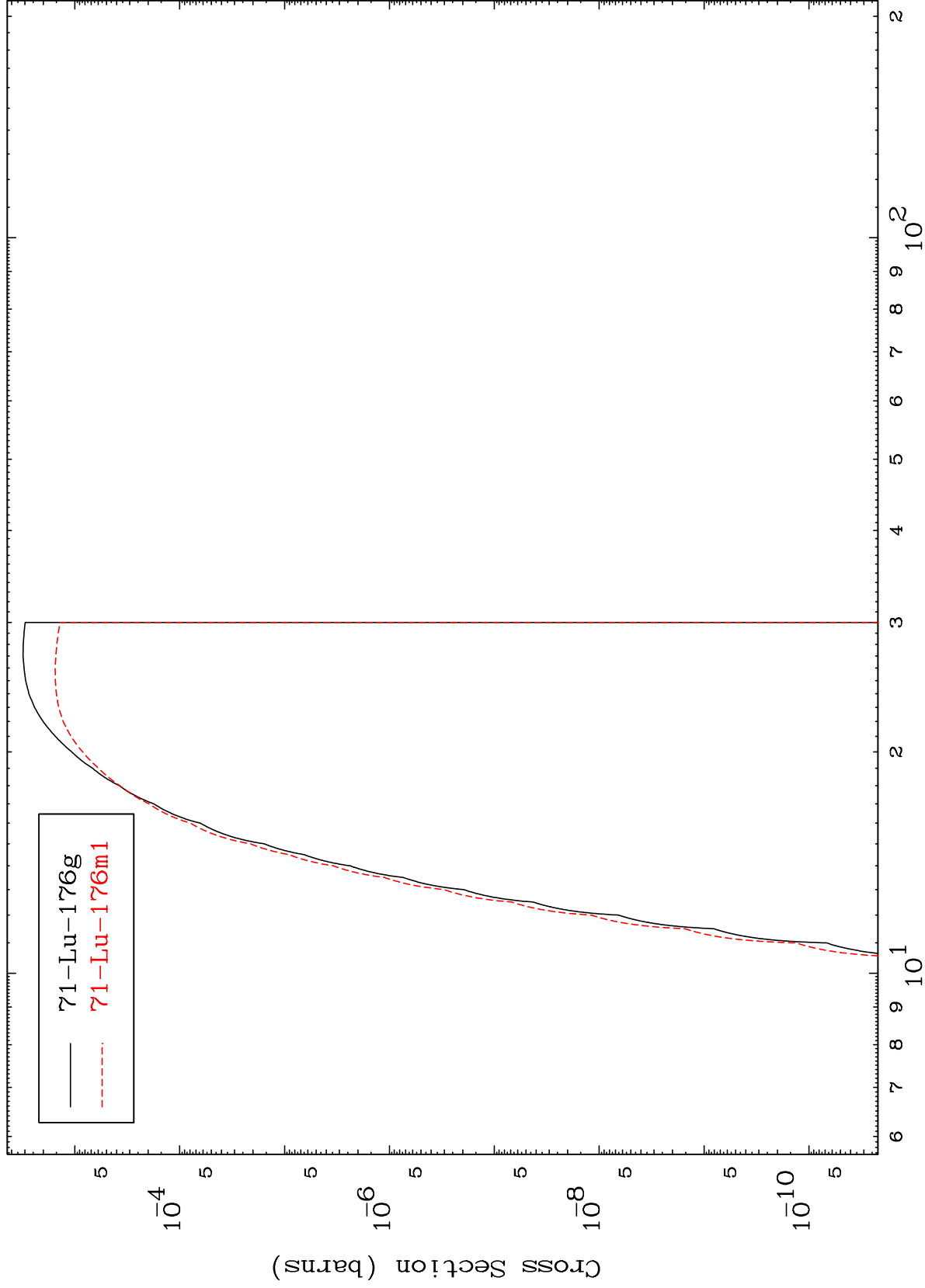
132



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72-Hf-178

Radionuclide Production Cross Section



134

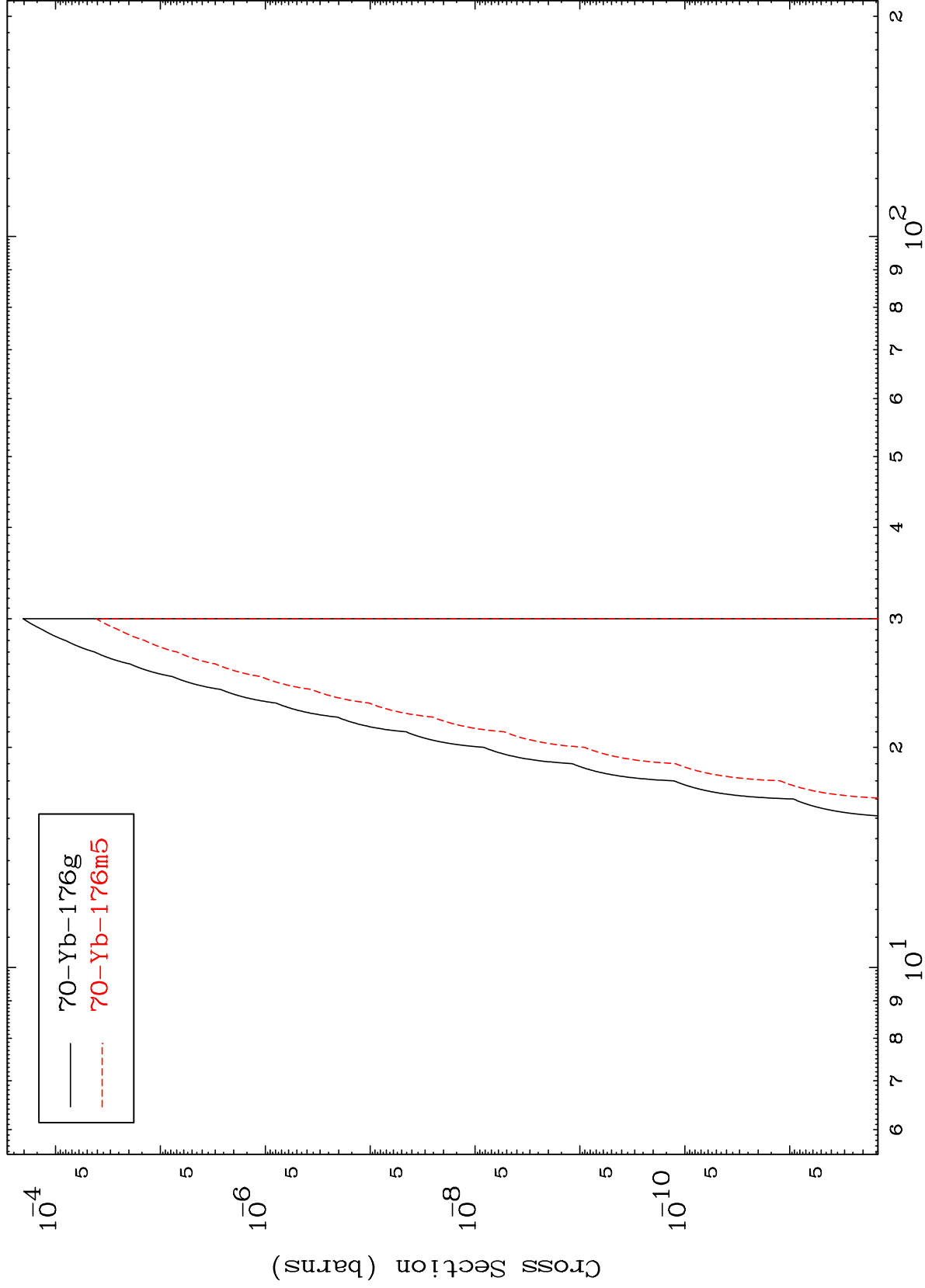
Incident Energy (MeV)

72-Hf-178

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72-Hf-178

Radionuclide Production Cross Section



135

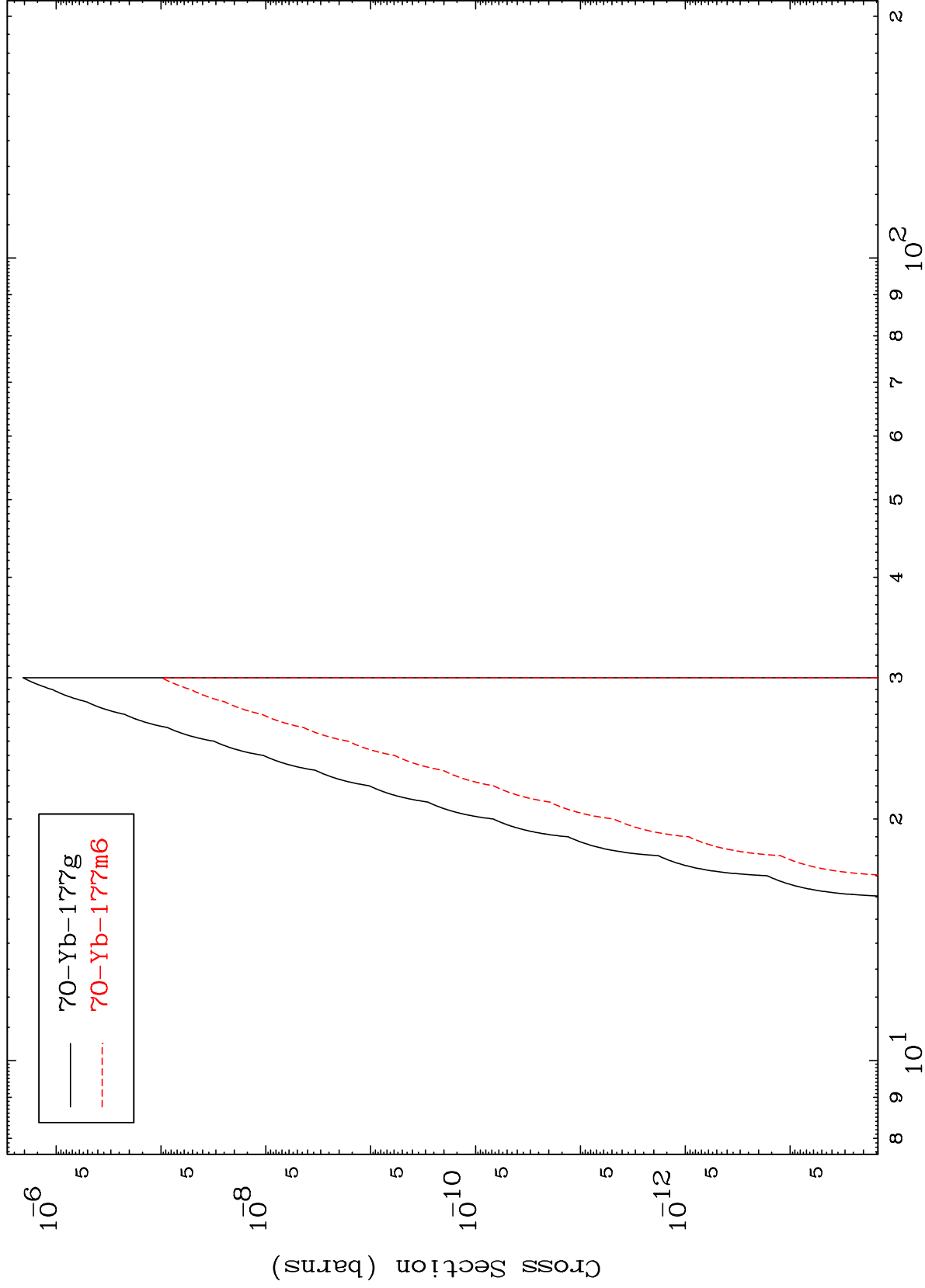
Incident Energy (MeV)

72-Hf-178

MAT 7237

72-Hf-178

Radionuclide Production Cross Section
(n,2p)



72-Hf-178

Incident Energy (MeV)

136

(n,p) d
Radionuclide Production Cross Section

