

Program EVALPLOT
(Version 2015-2)

by

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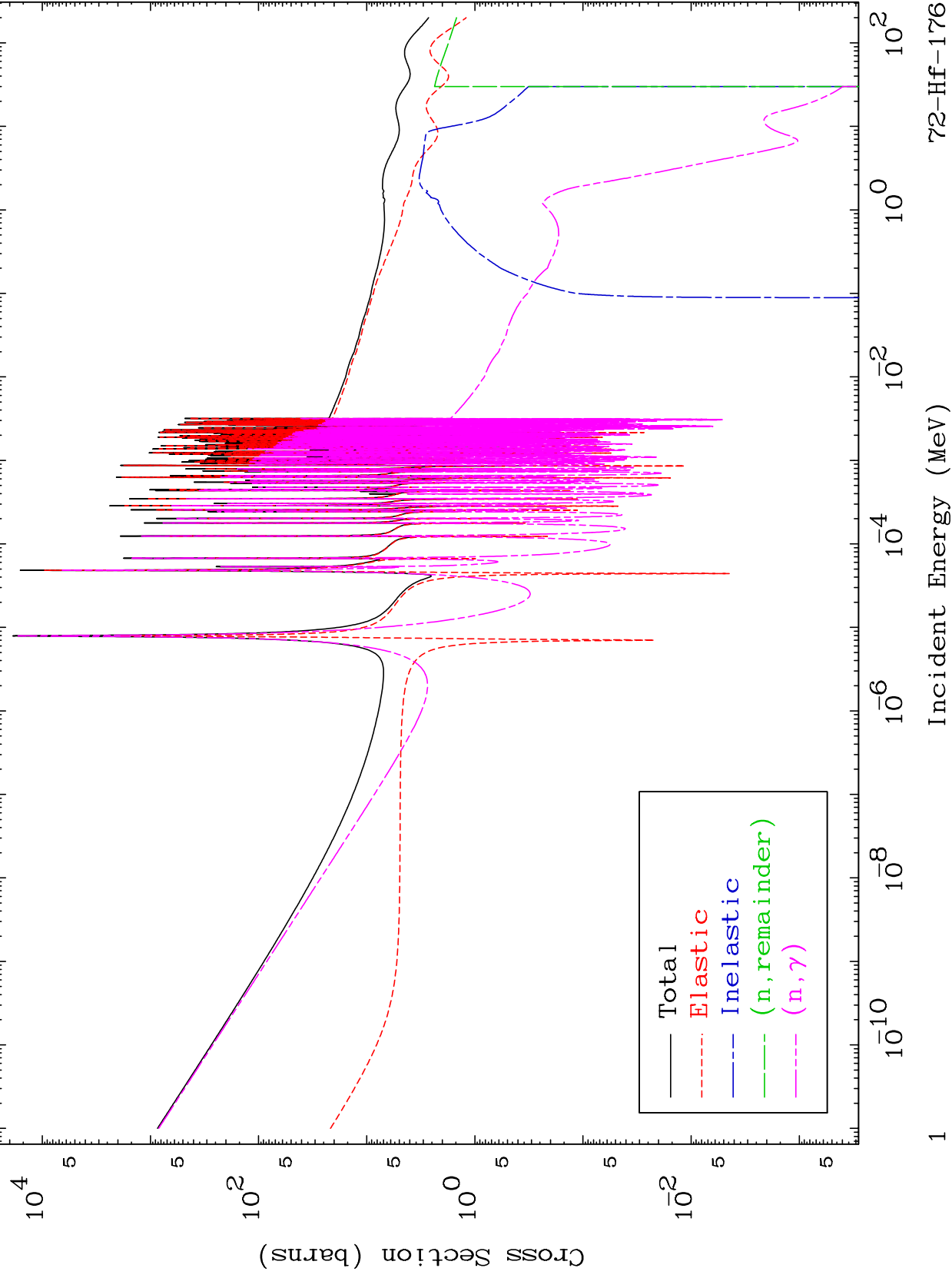
Press Mouse Button to Start

MAT 7231

Major

293 Kelvin Cross Sections

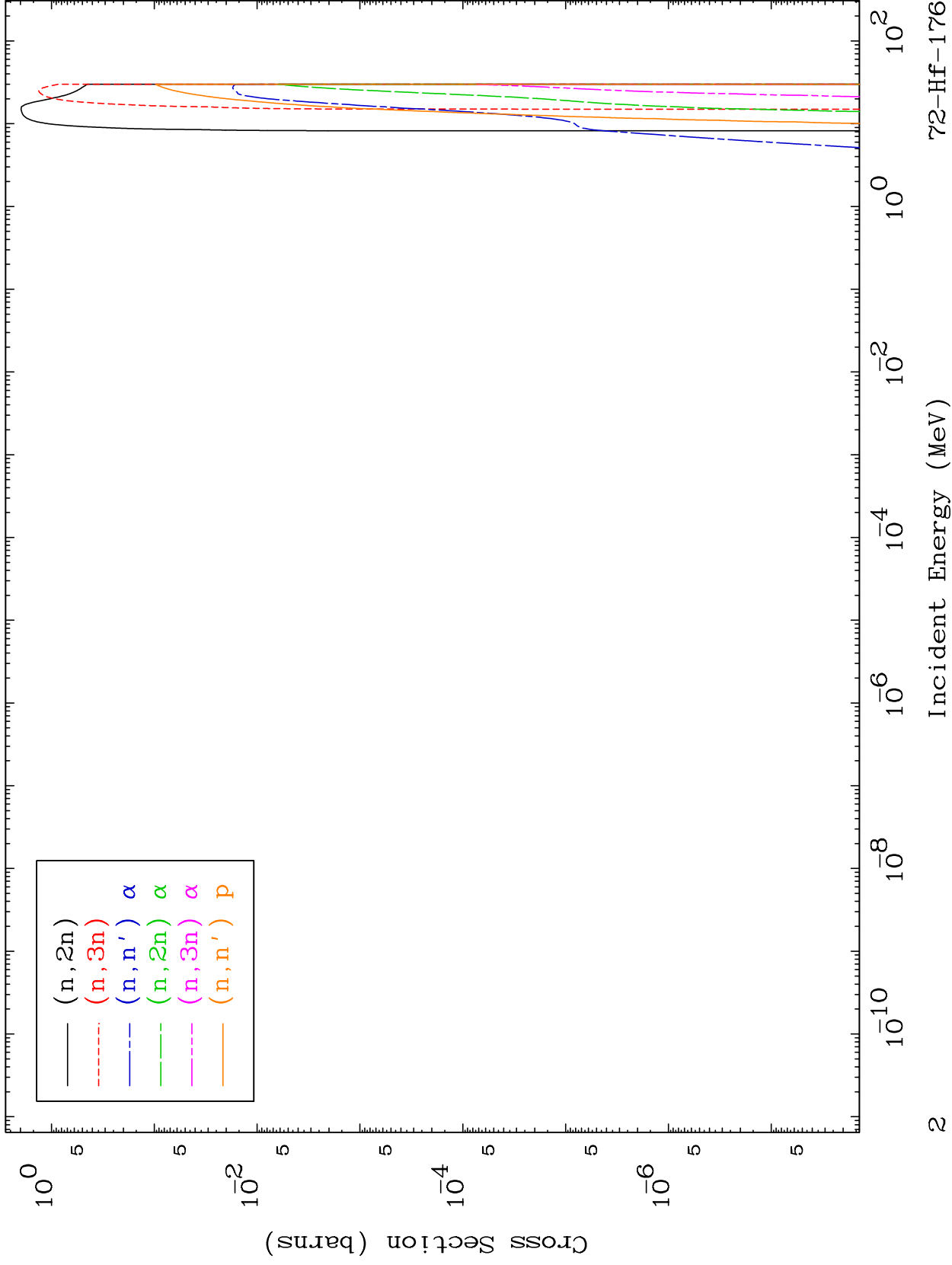
72-Hf-176

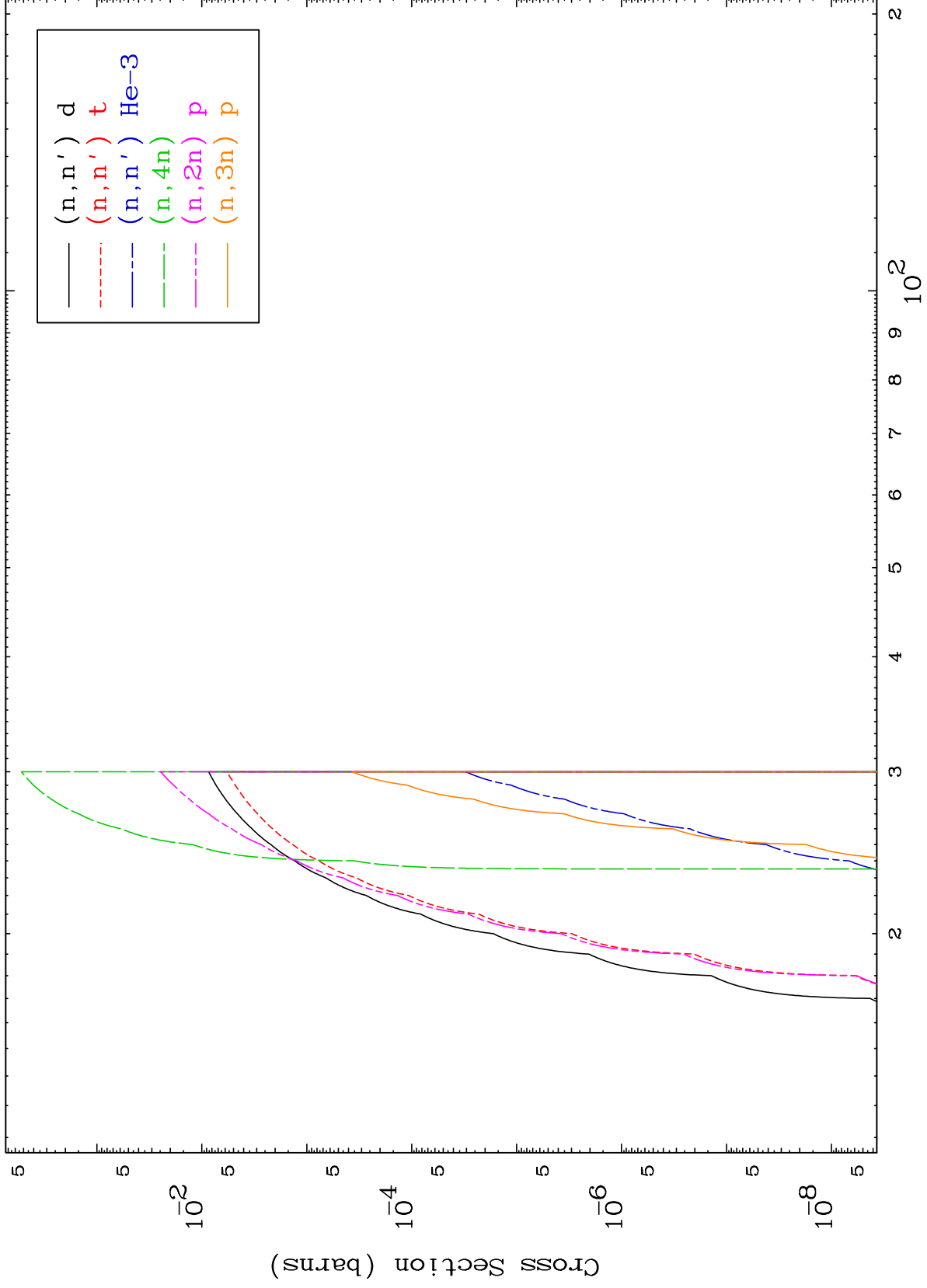


MAT 7231

Neutron Production
293 Kelvin Cross Sections

72-Hf-176

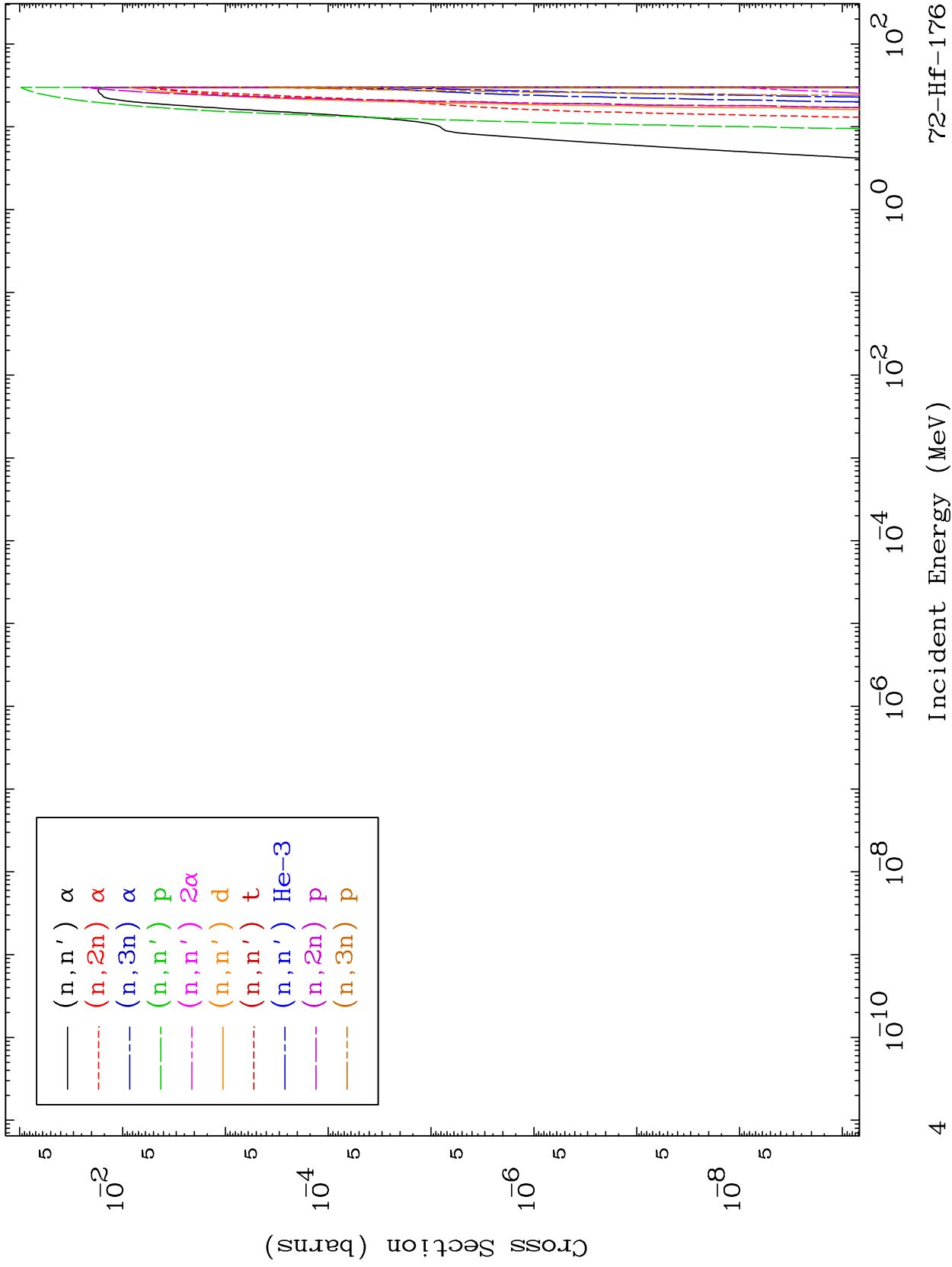




MAT 7231

Charged Particle
293 Kelvin Cross Sections

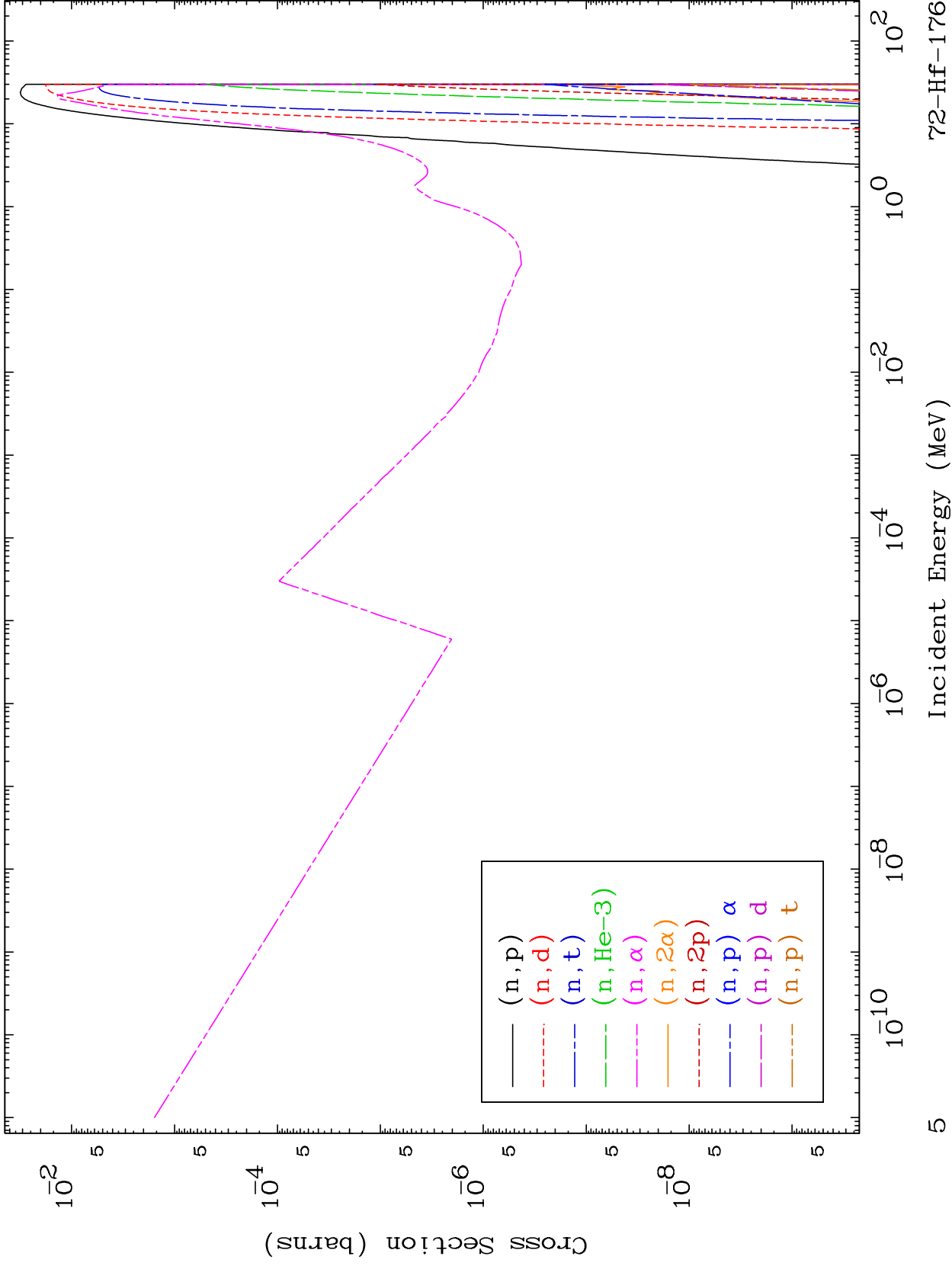
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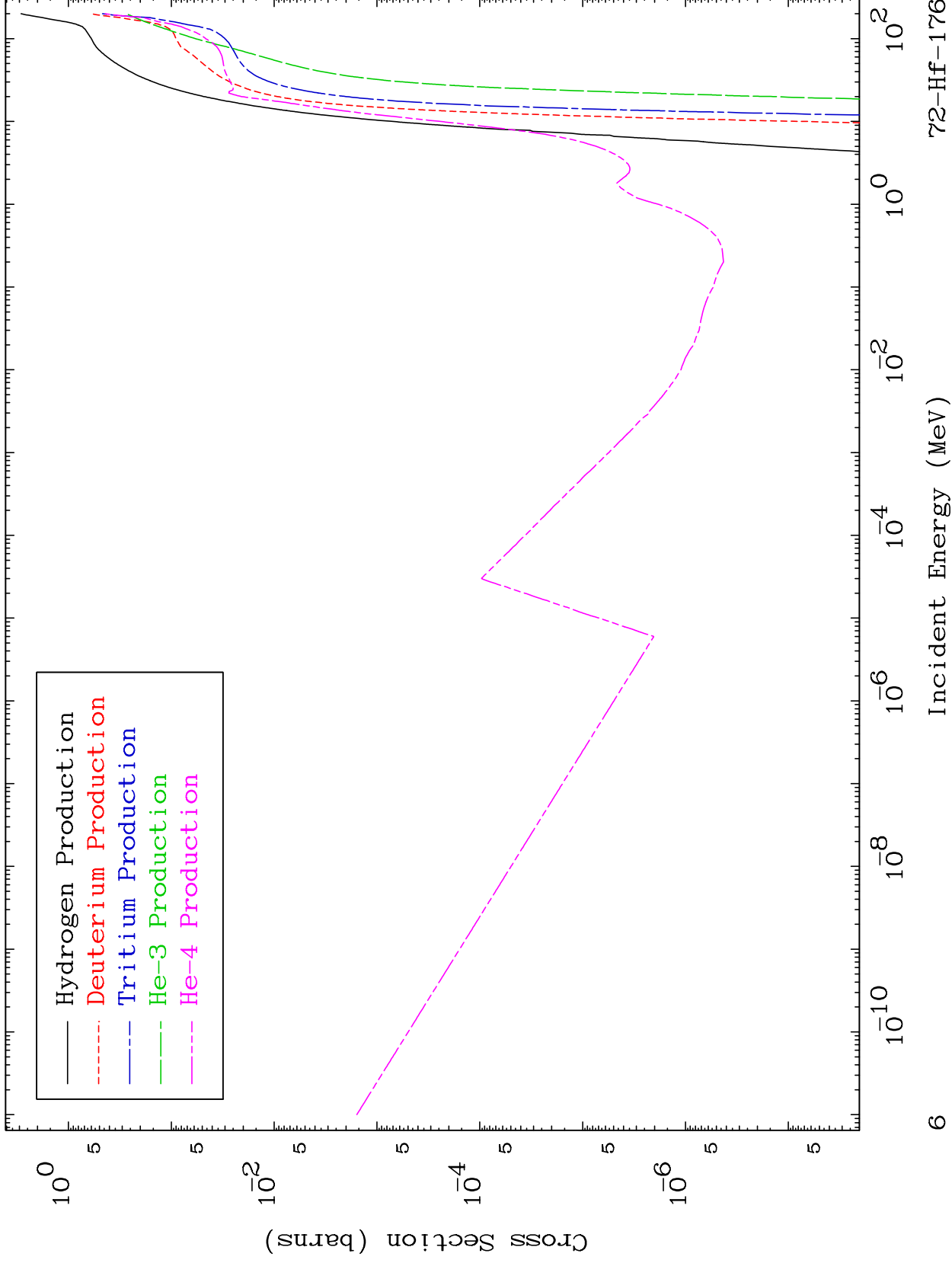


MAT 7231

Charged Particle
293 Kelvin Cross Sections

72-Hf-176

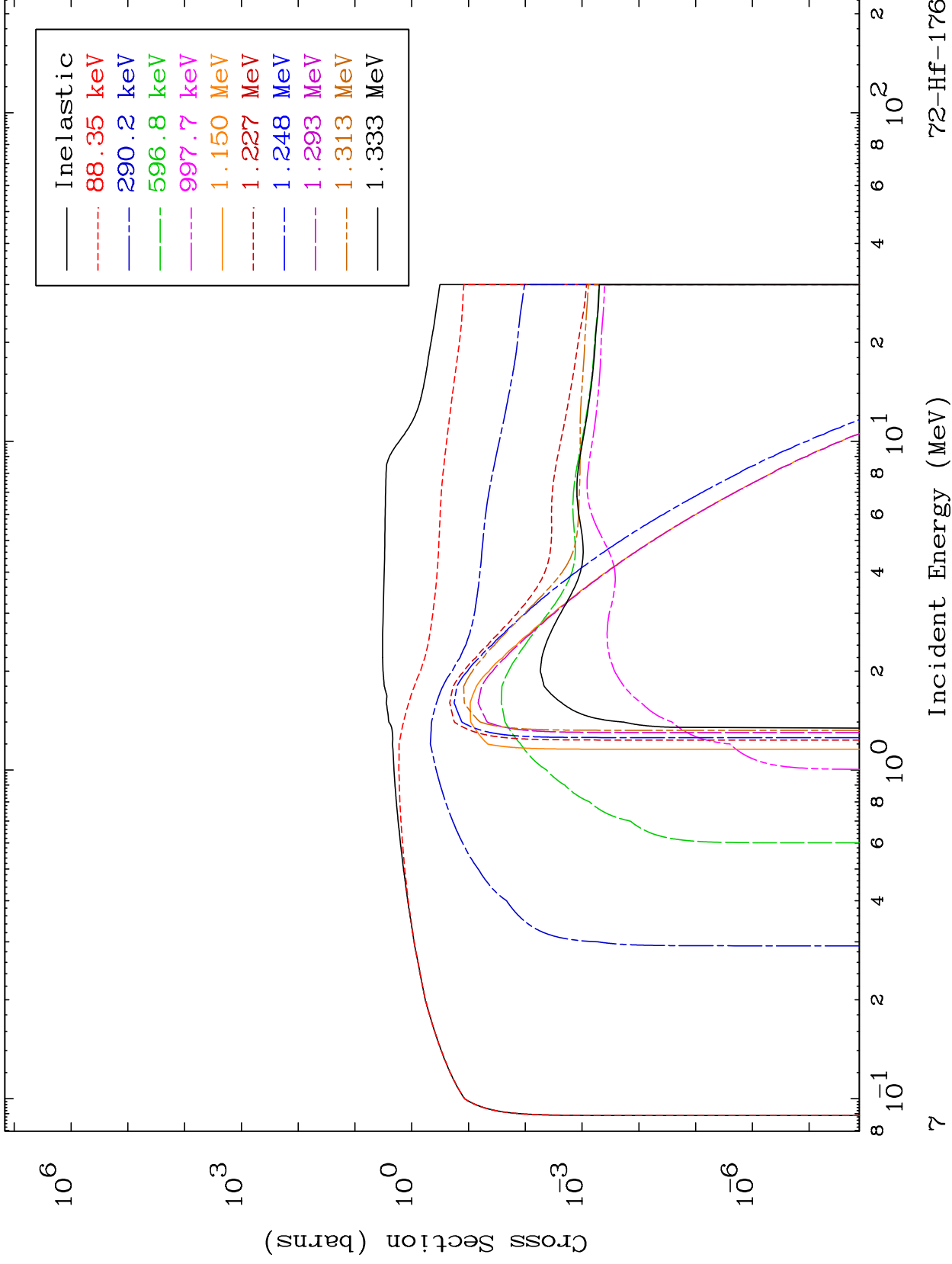




MAT 7231

(n,n') Level
293 Kelvin Cross Sections

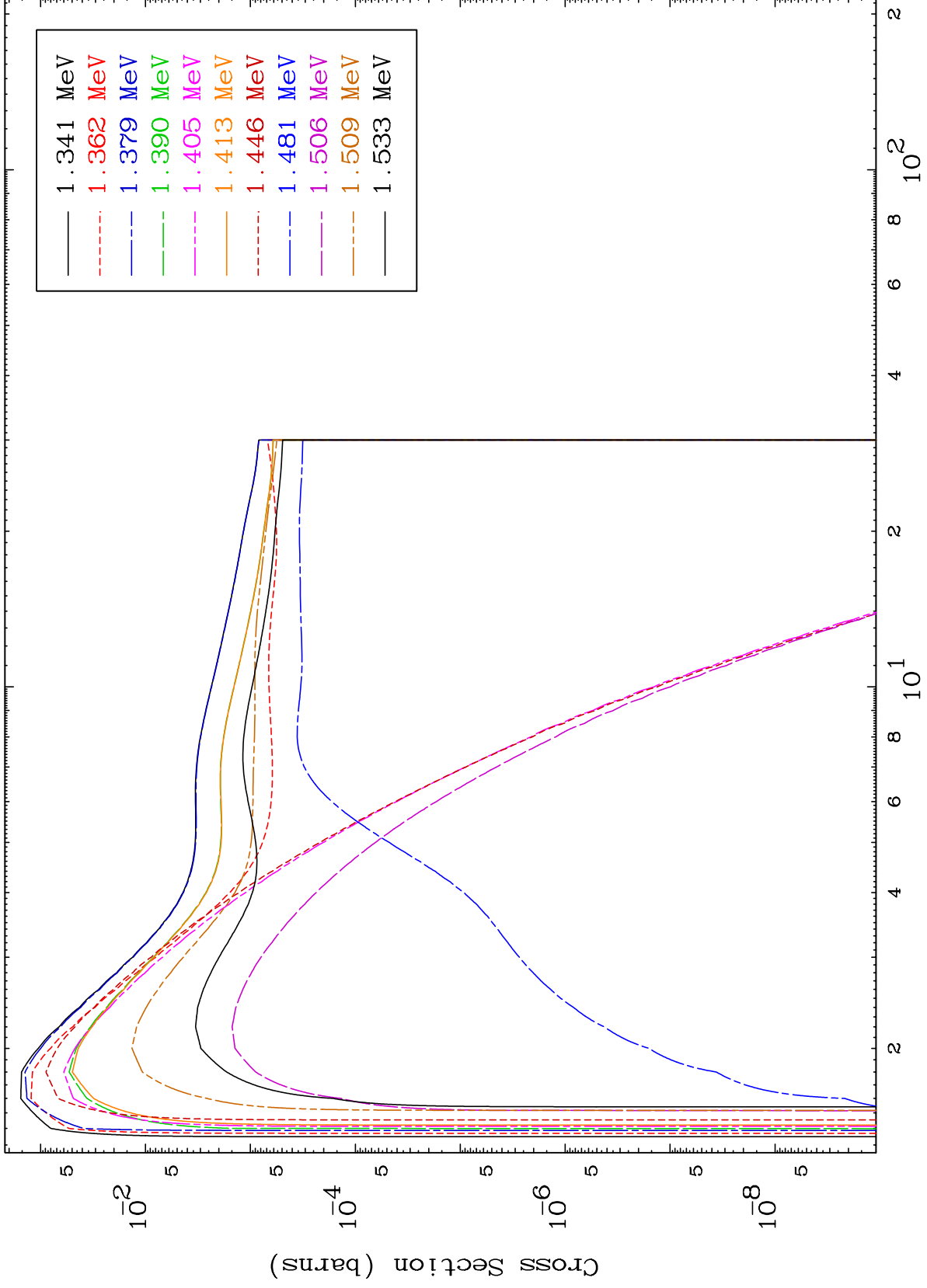
72-Hf-176



MAT 7231

(n,n') Level
293 Kelvin Cross Sections

72-Hf-176



8

Incident Energy (MeV)

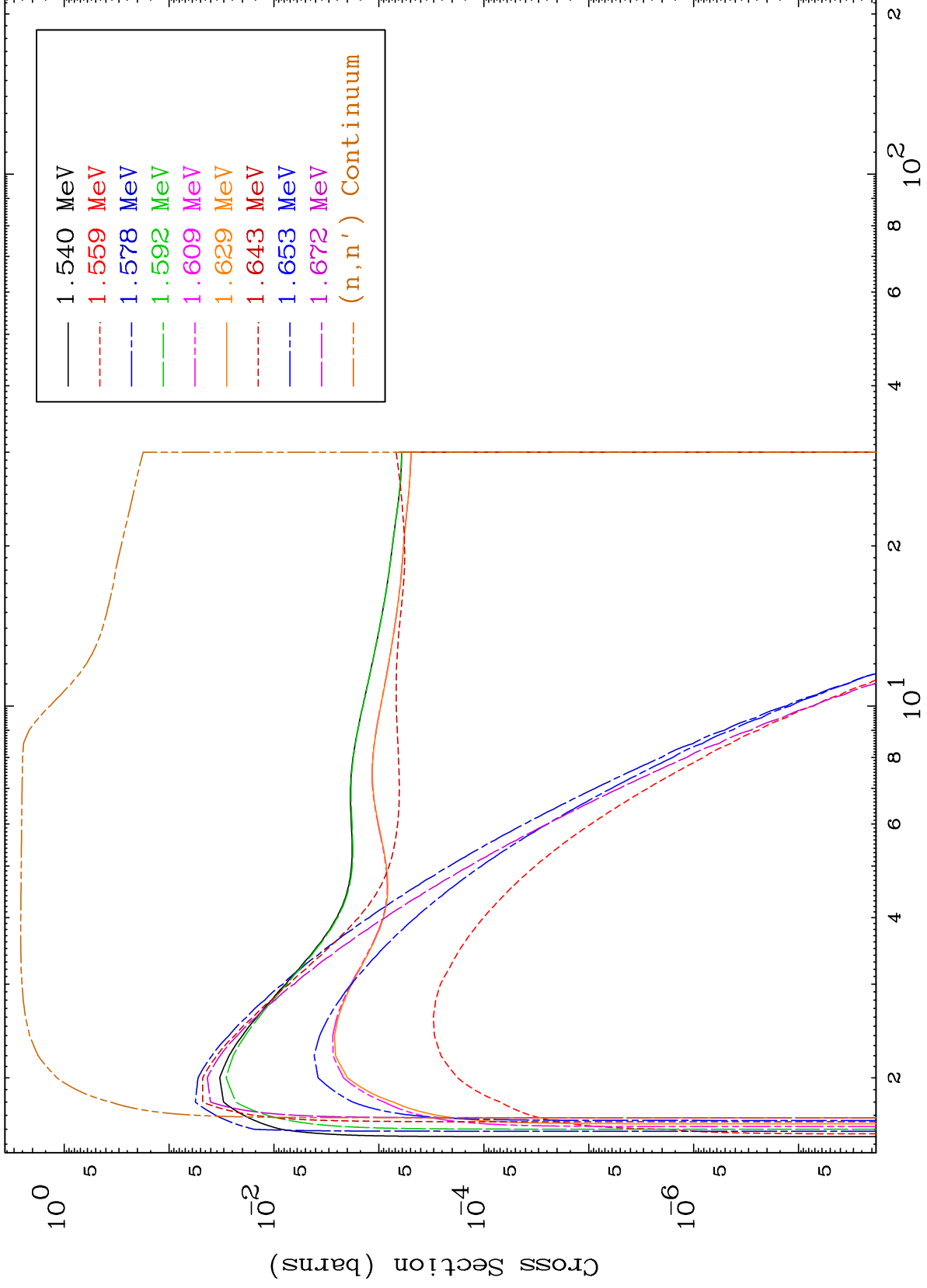
72-Hf-176

MAT 7231

(n,n') Level

72-Hf-176

293 Kelvin Cross Sections



9

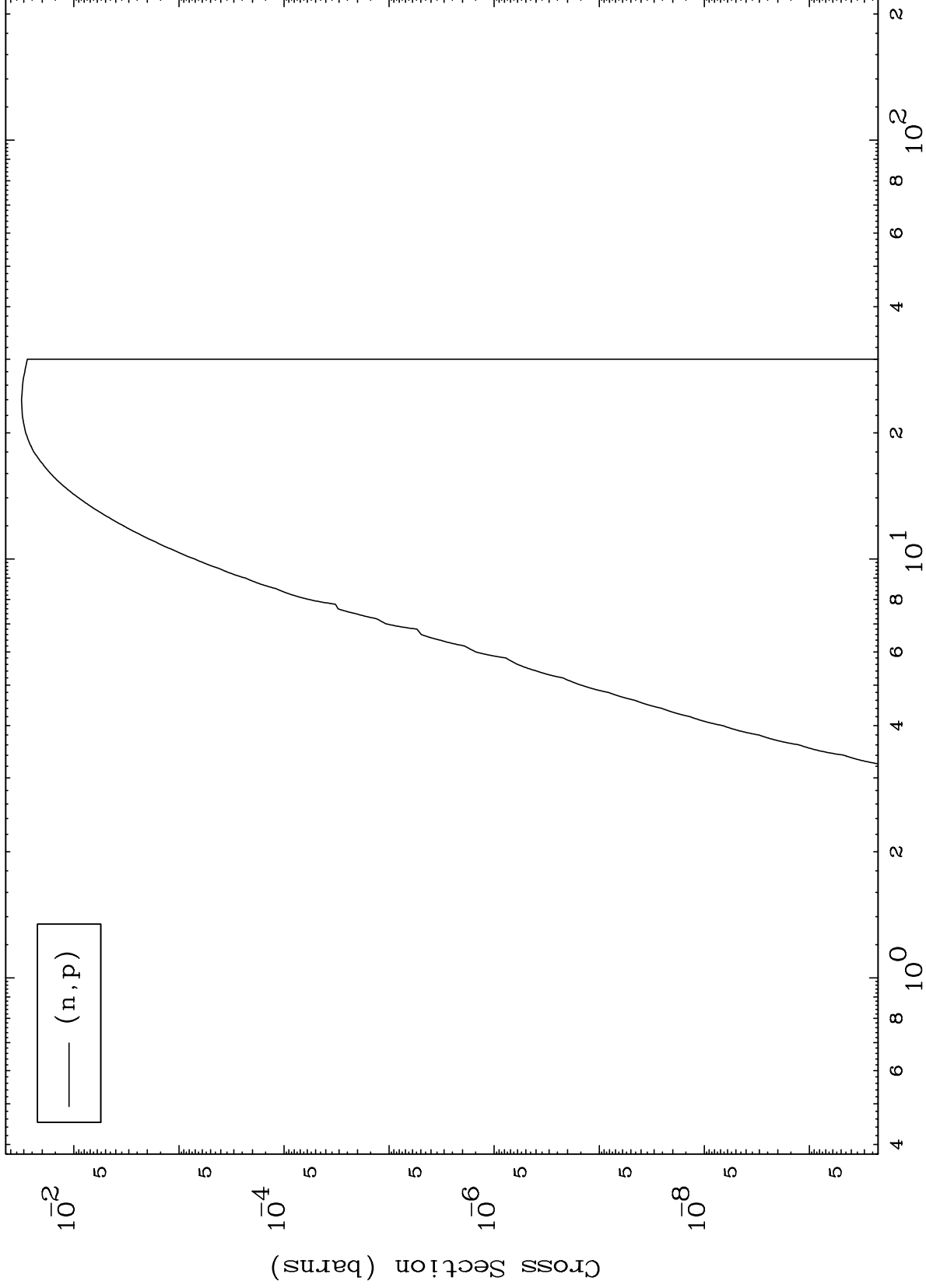
Incident Energy (MeV)

72-Hf-176

MAT 7231

(n,p) Levels
293 Kelvin Cross Sections

72-Hf-176



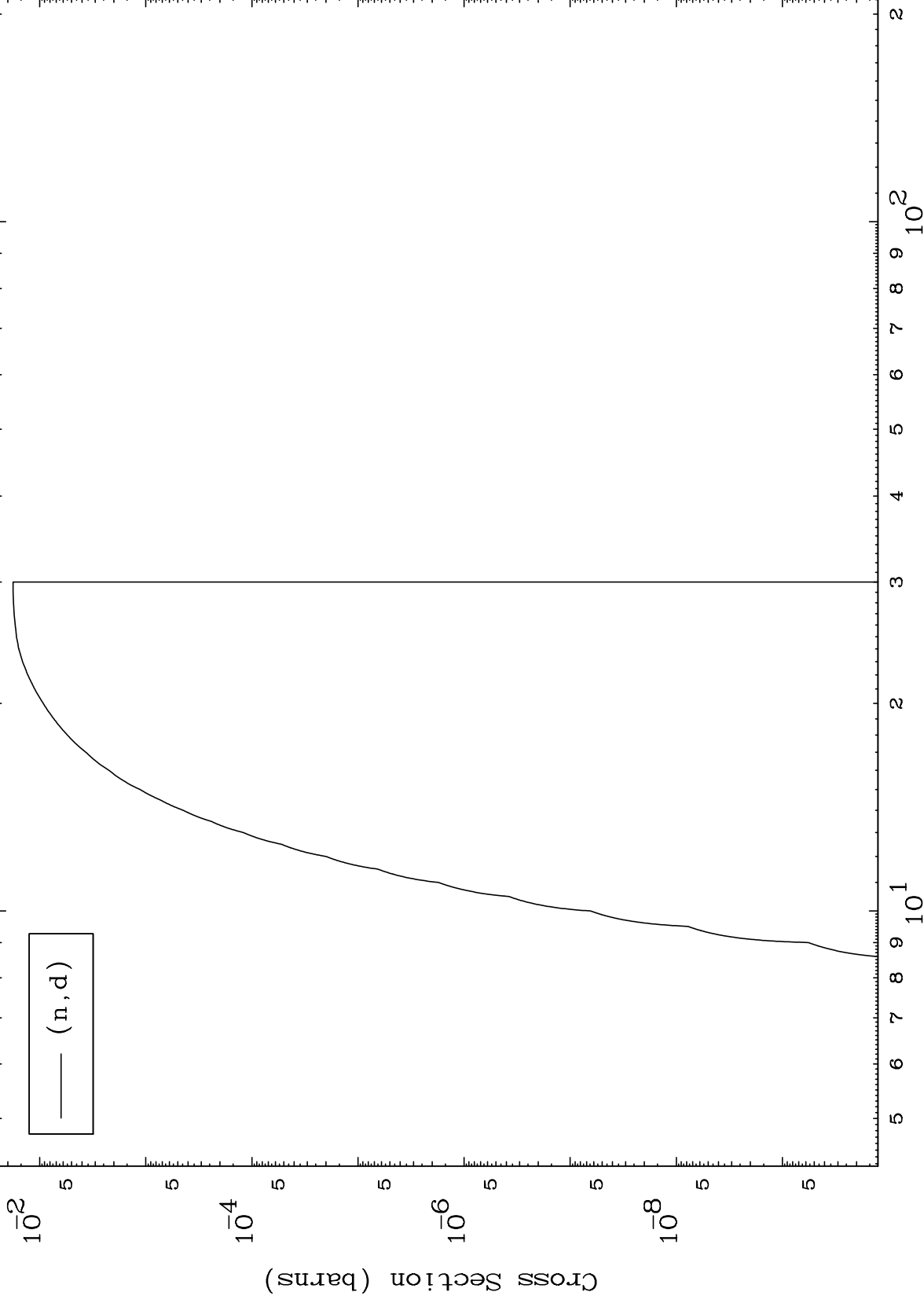
72-Hf-176

72-Hf-176

MAT 7231

(n,d) Levels
293 Kelvin Cross Sections

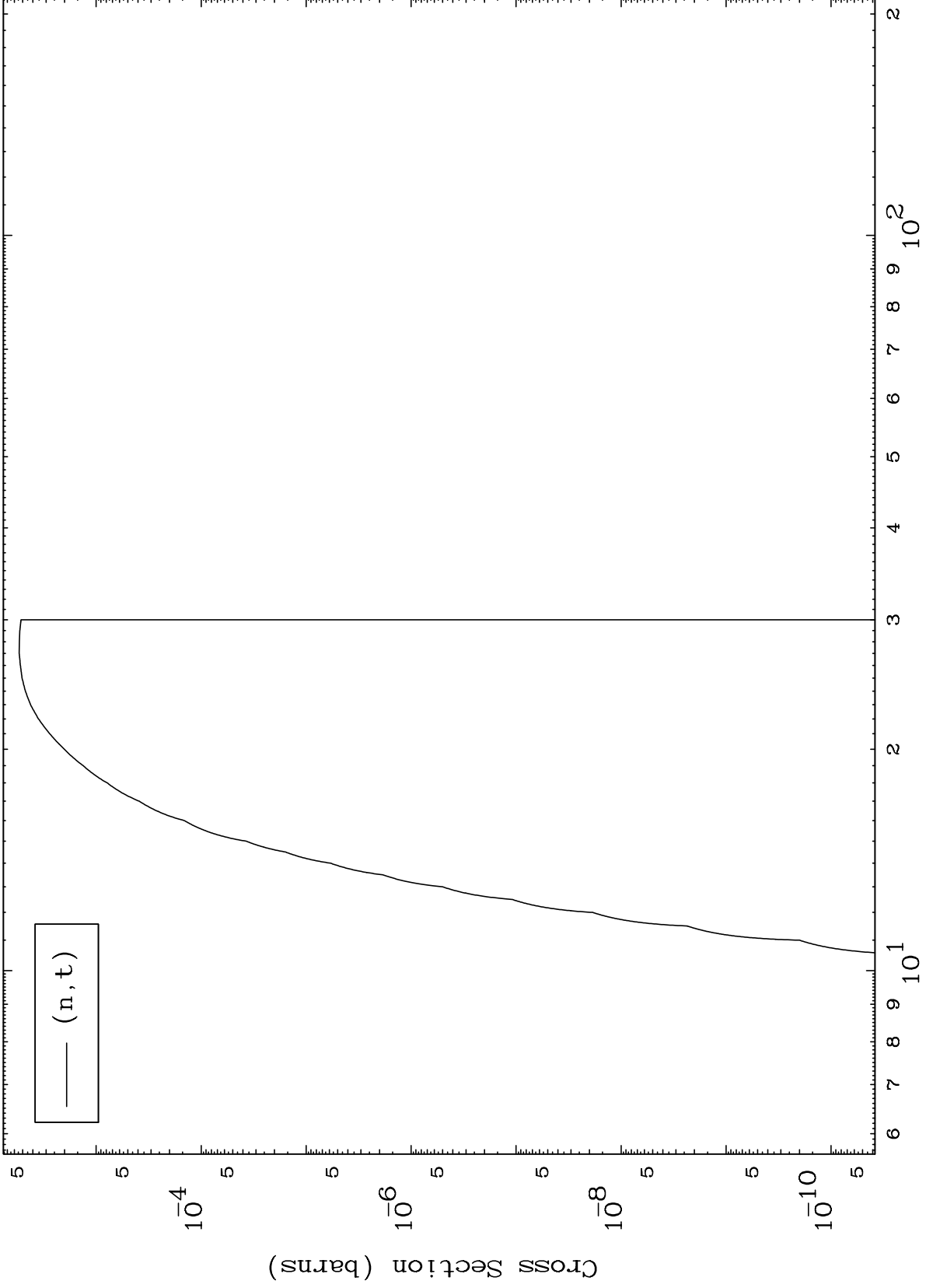
72-Hf-176



MAT 7231

(n, t) Levels
293 Kelvin Cross Sections

72-Hf-176



12

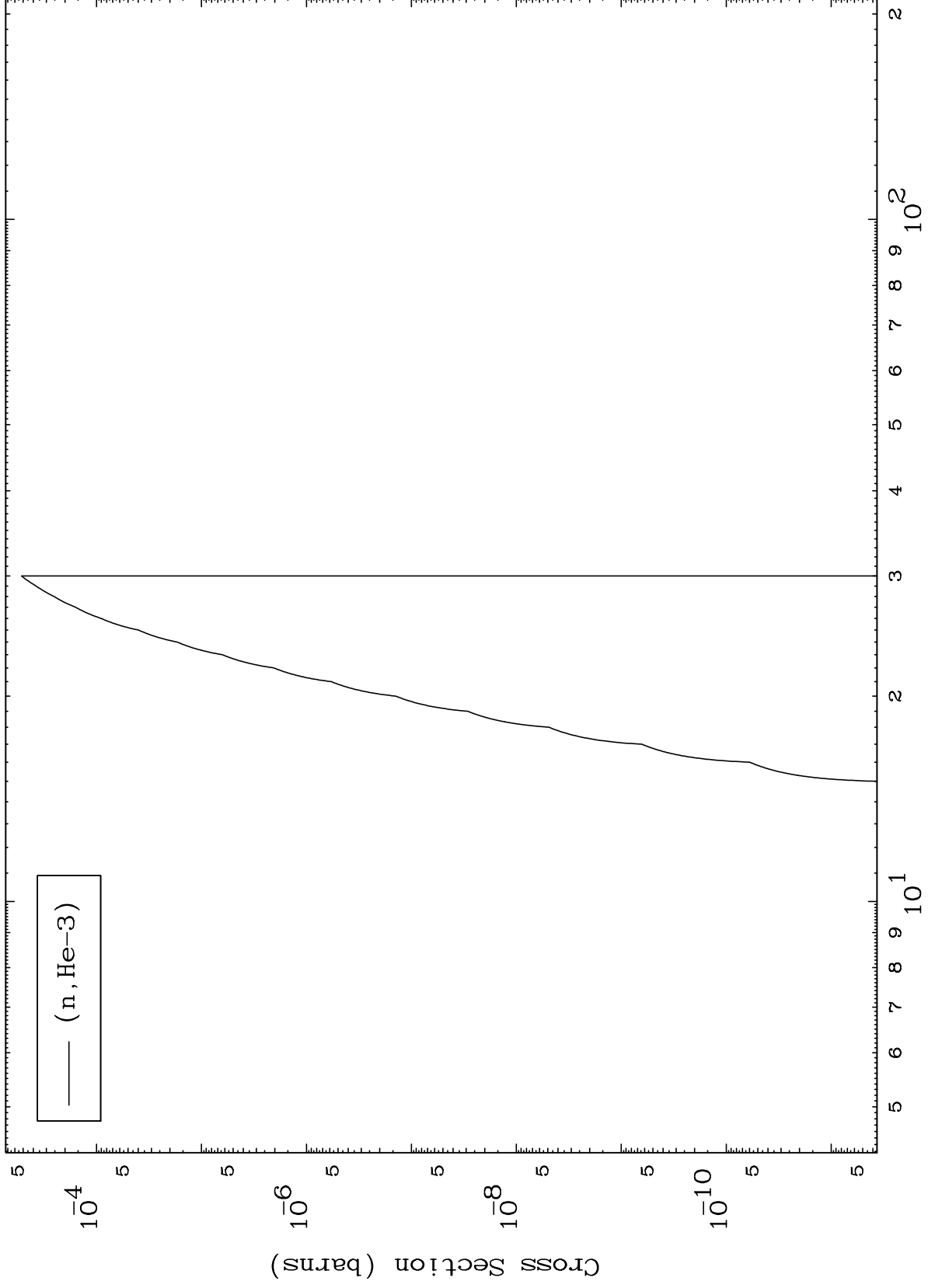
Incident Energy (MeV)

72-Hf-176

MAT 7231

(n,He3) Levels
293 Kelvin Cross Sections

72-Hf-176



13

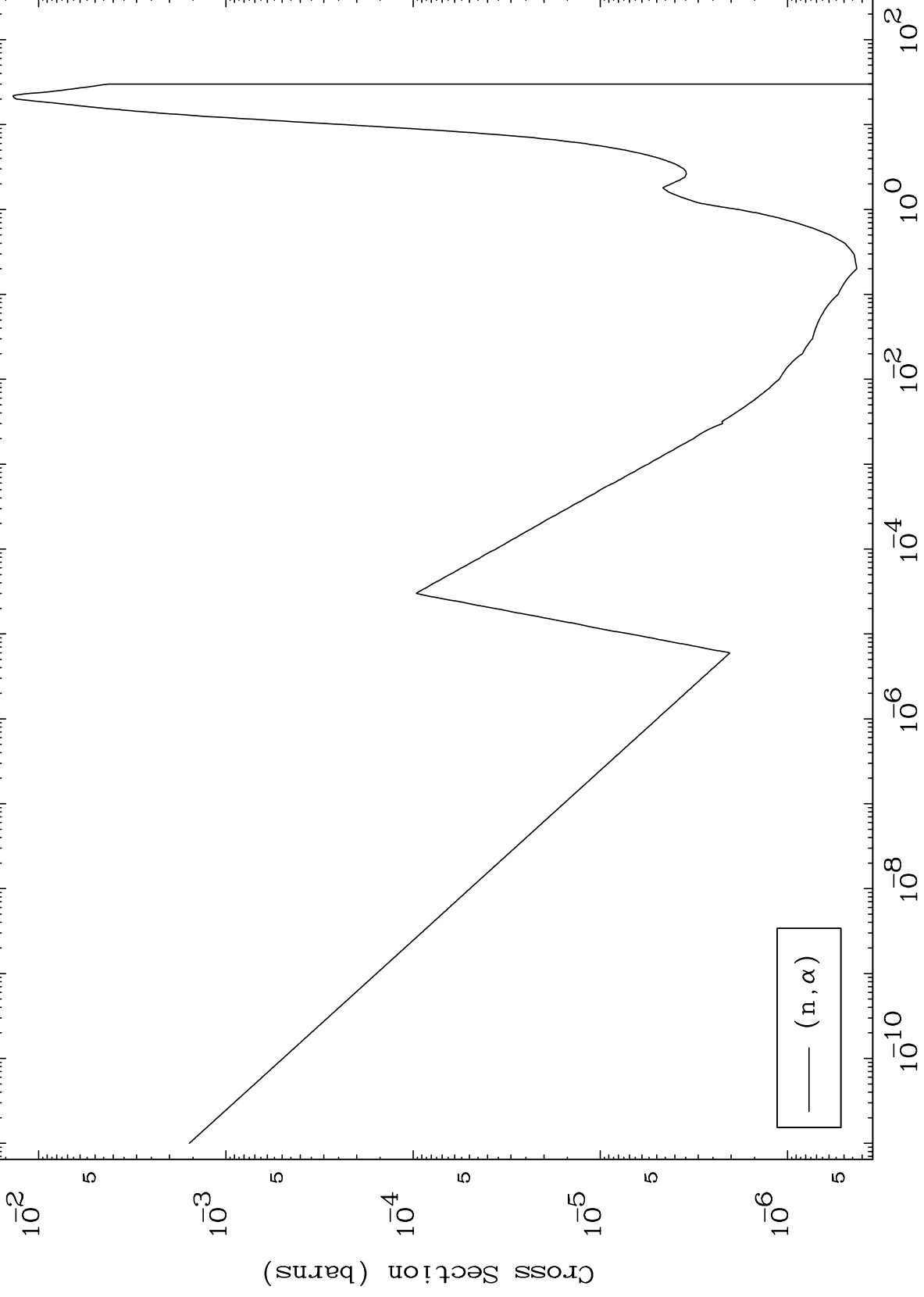
Incident Energy (MeV)

72-Hf-176

MAT 7231

(n, α) Levels
293 Kelvin Cross Sections

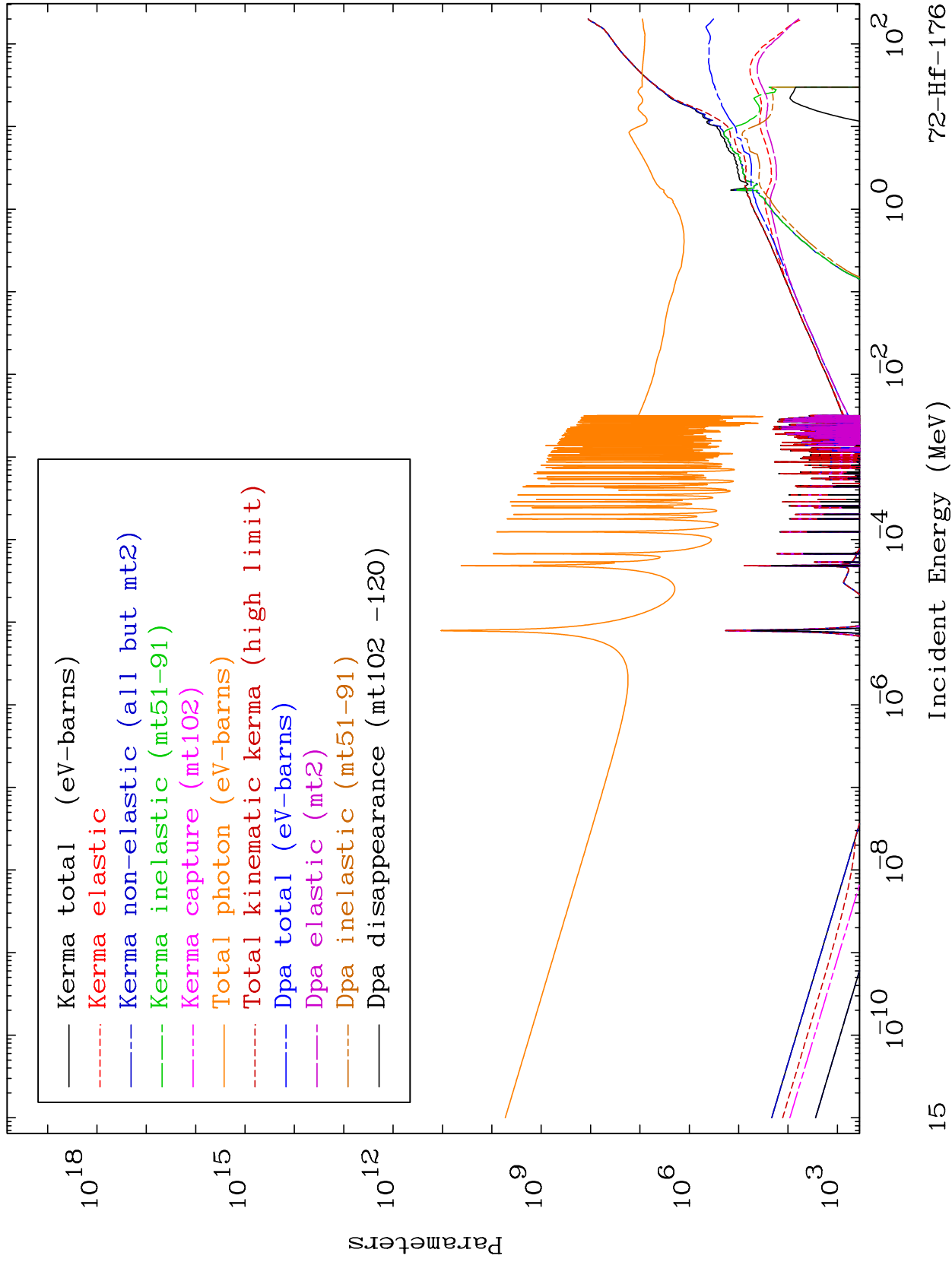
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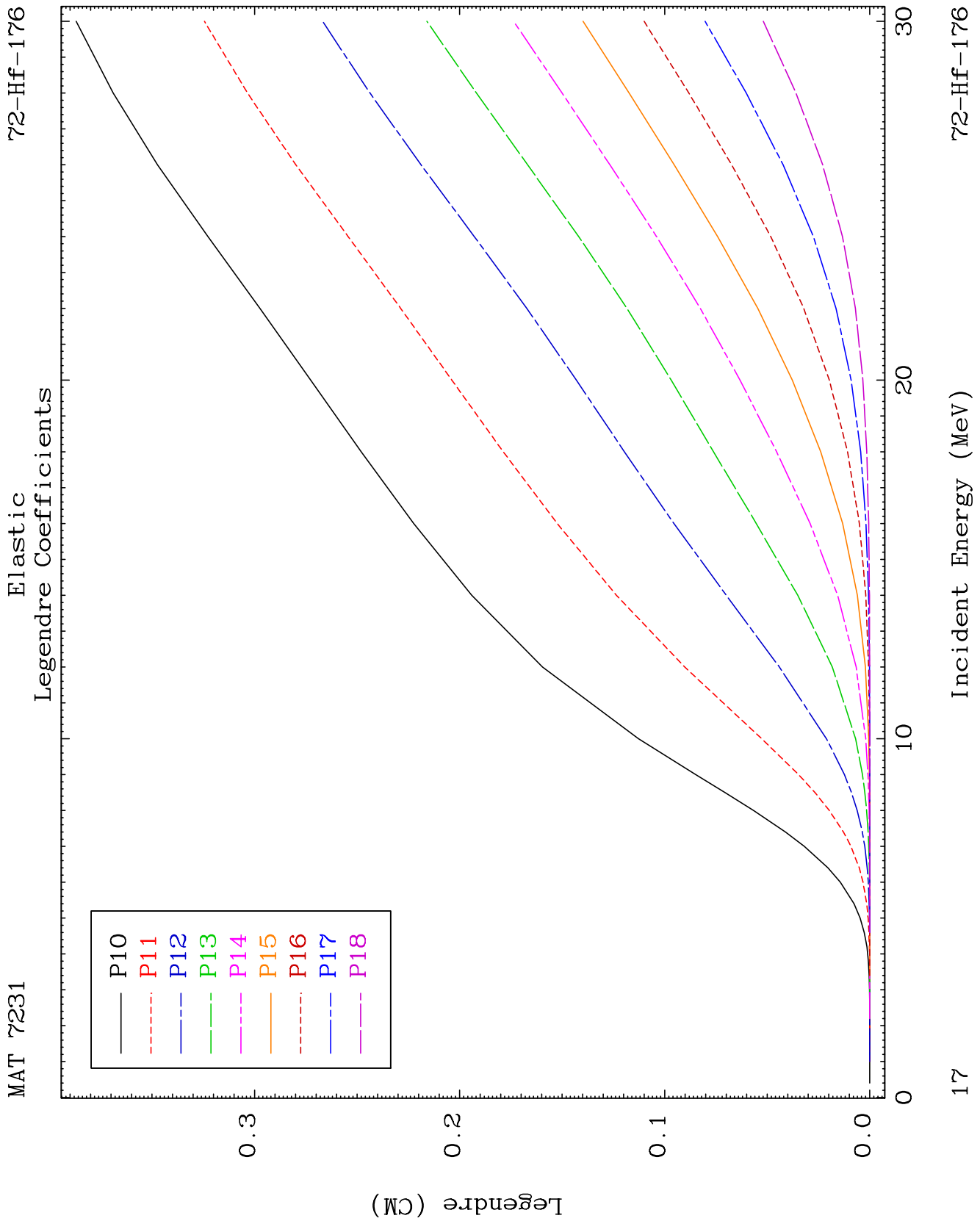


14

Incident Energy (MeV)

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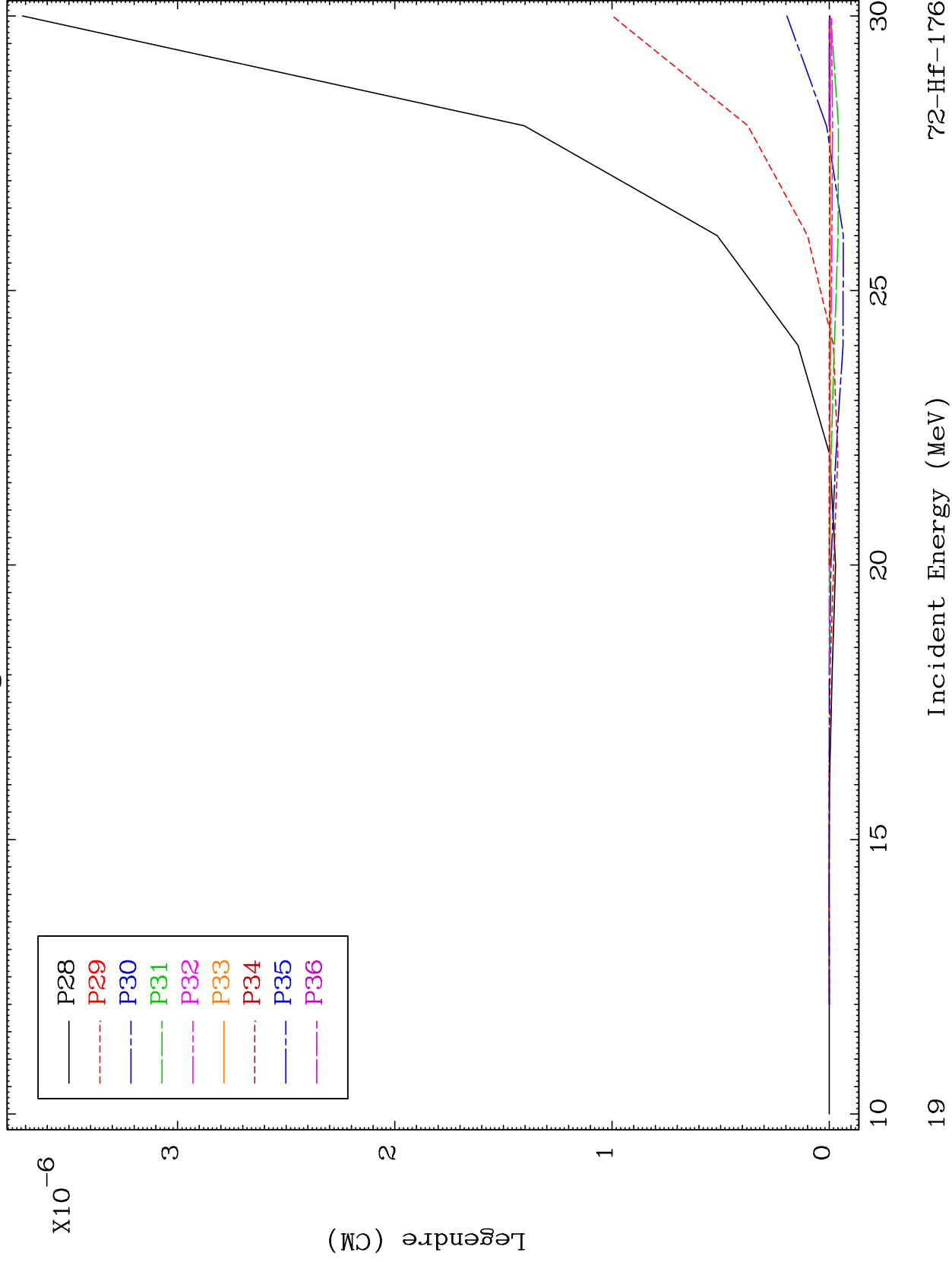




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Elastic Legendre Coefficients

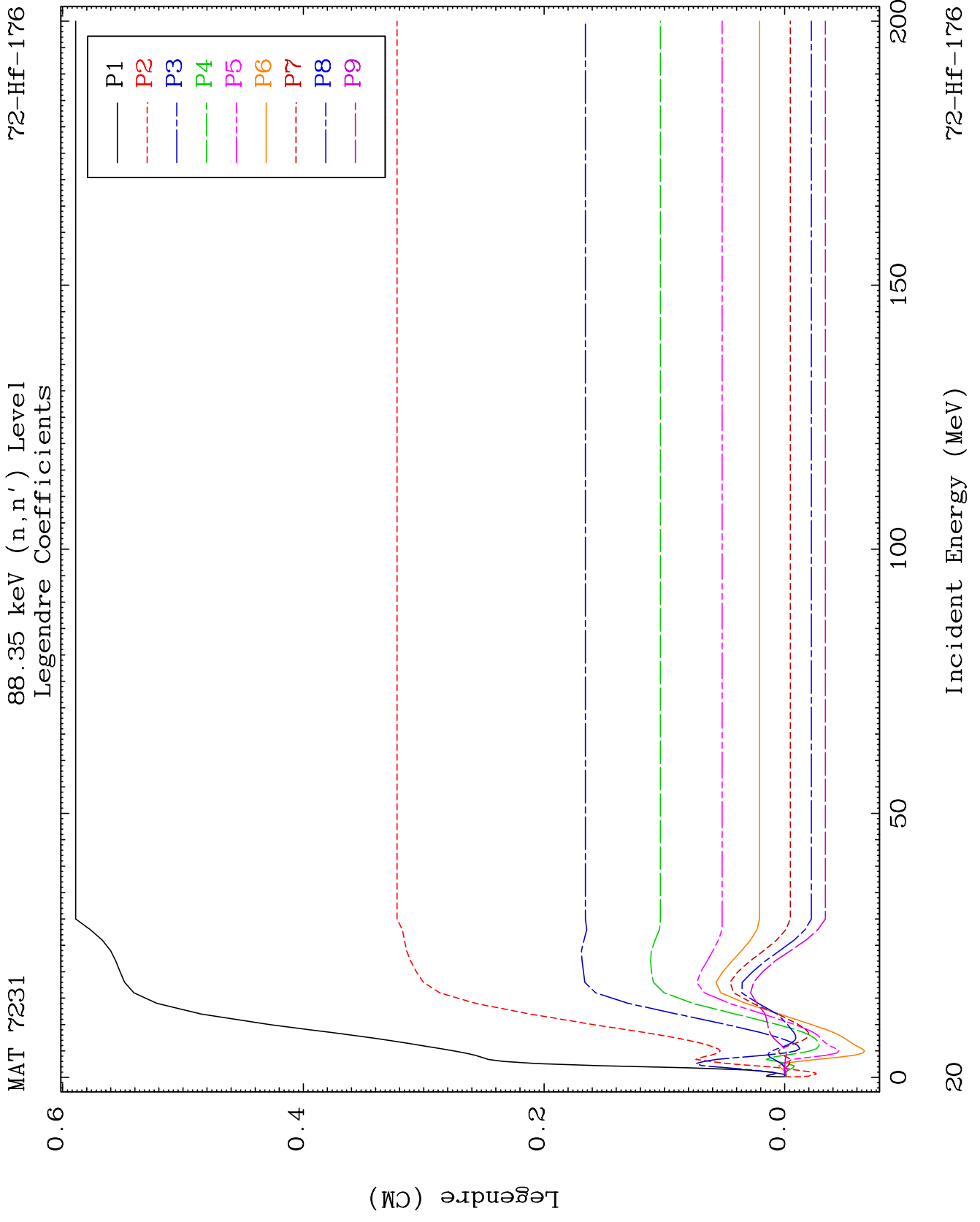
72-Hf-176



19

Incident Energy (MeV)

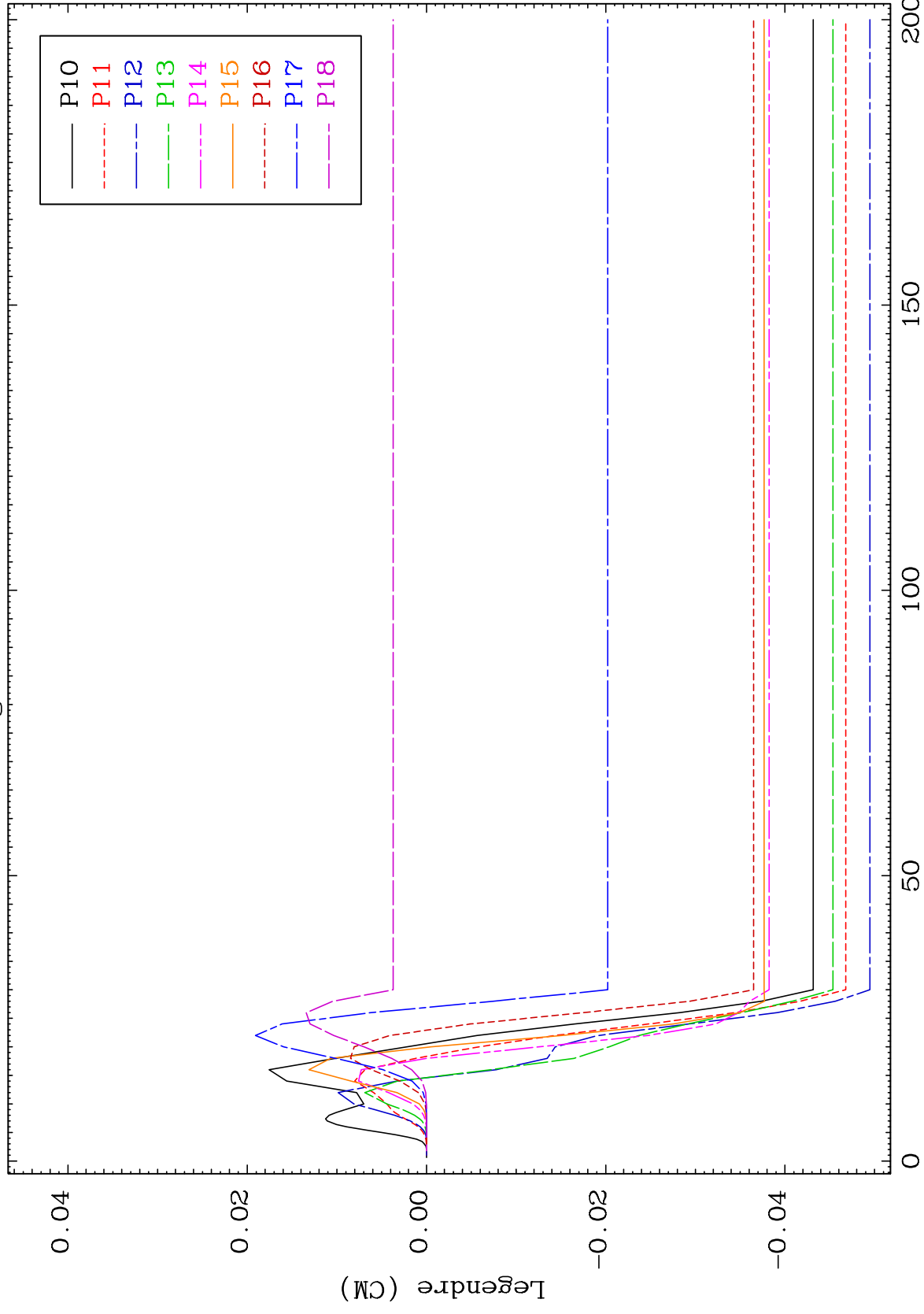
72-Hf-176



MAT 7231

88.35 keV (n,n') Level
Legendre Coefficients

72-Hf-176



21

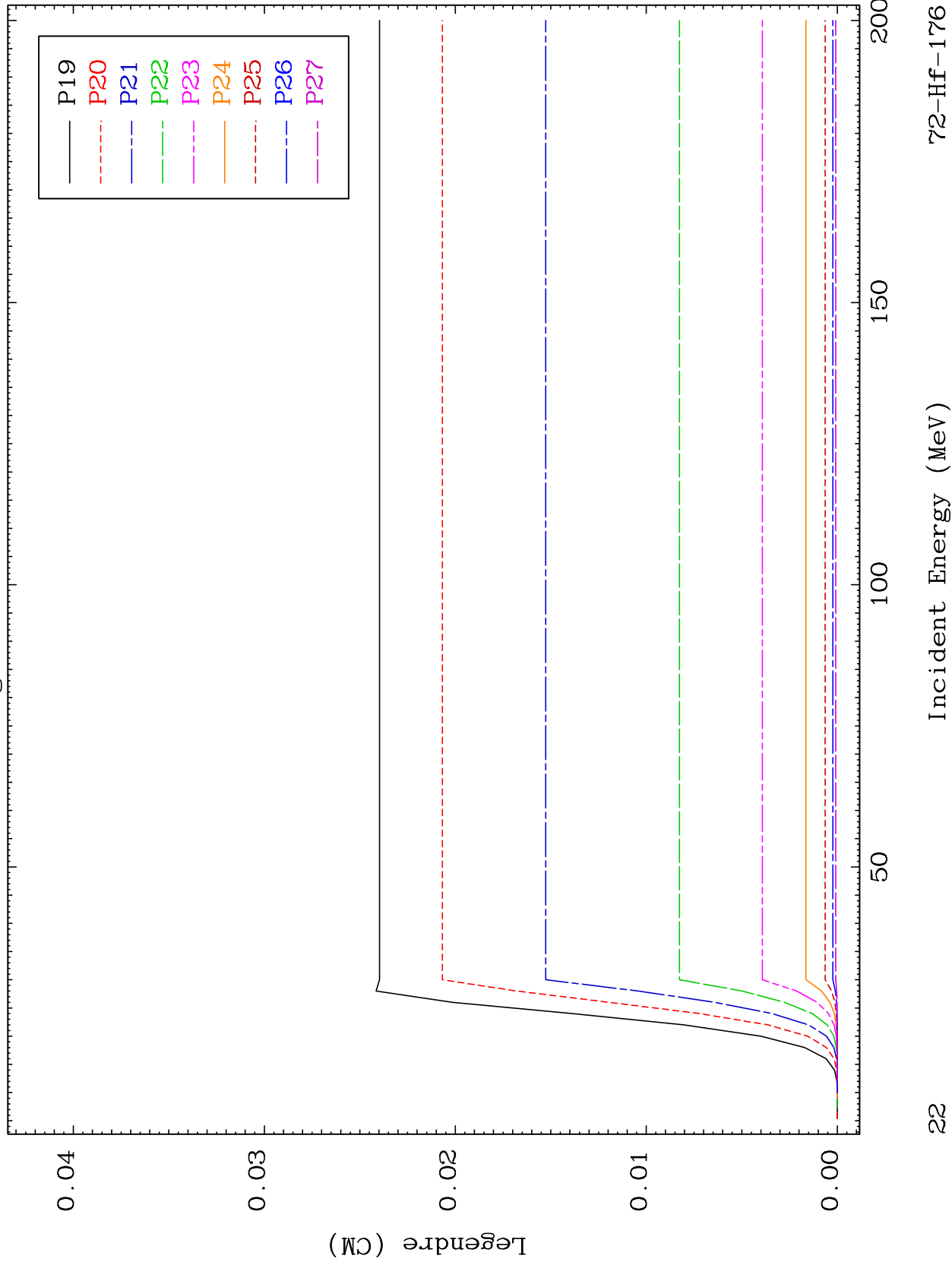
Incident Energy (MeV)

72-Hf-176

MAT 7231

88.35 keV (n,n') Level
Legendre Coefficients

72-Hf-176



22

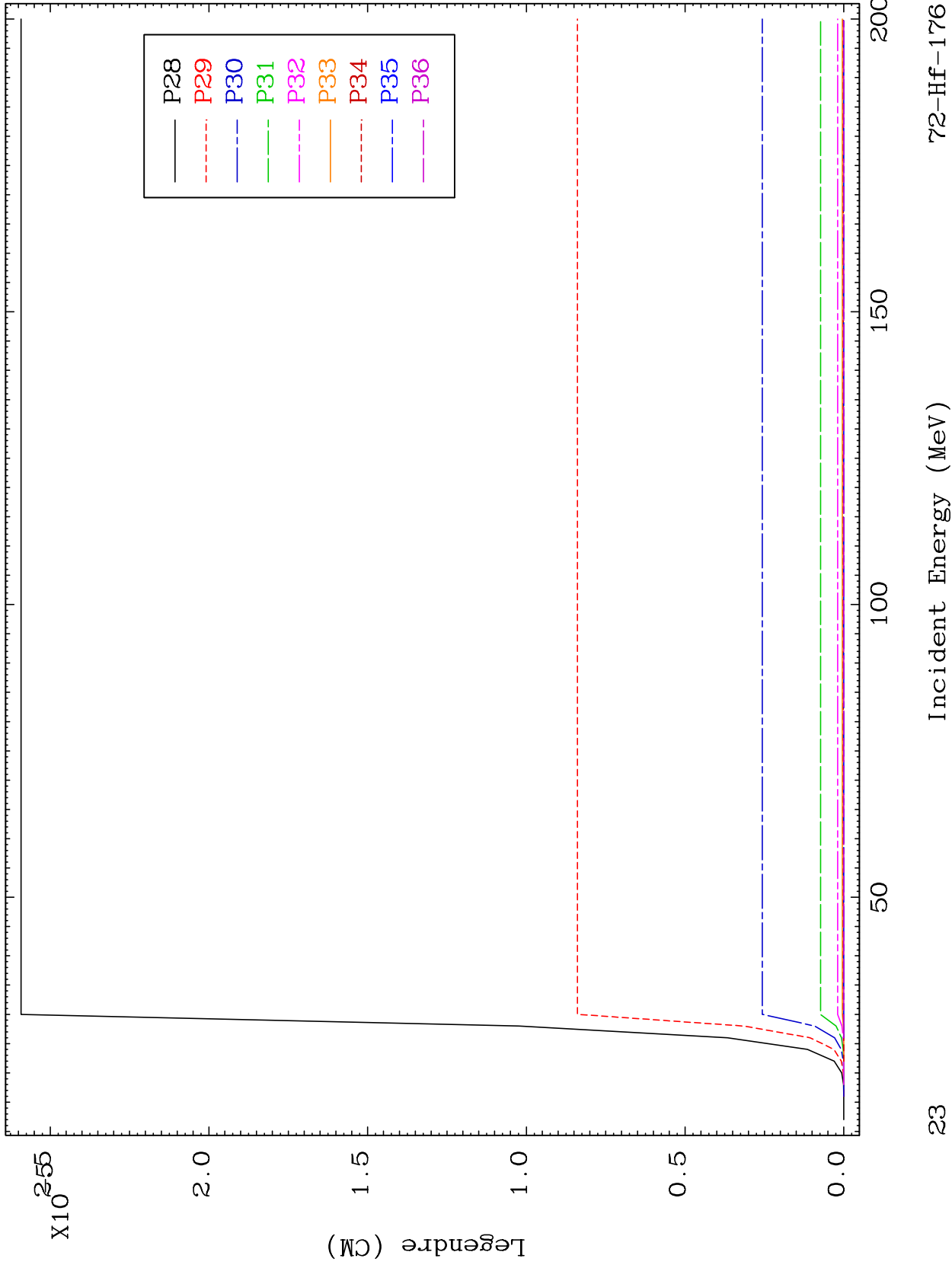
Incident Energy (MeV)

72-Hf-176

MAT 7231

88.35 keV (n, n') Level
Legendre Coefficients

72-Hf-176

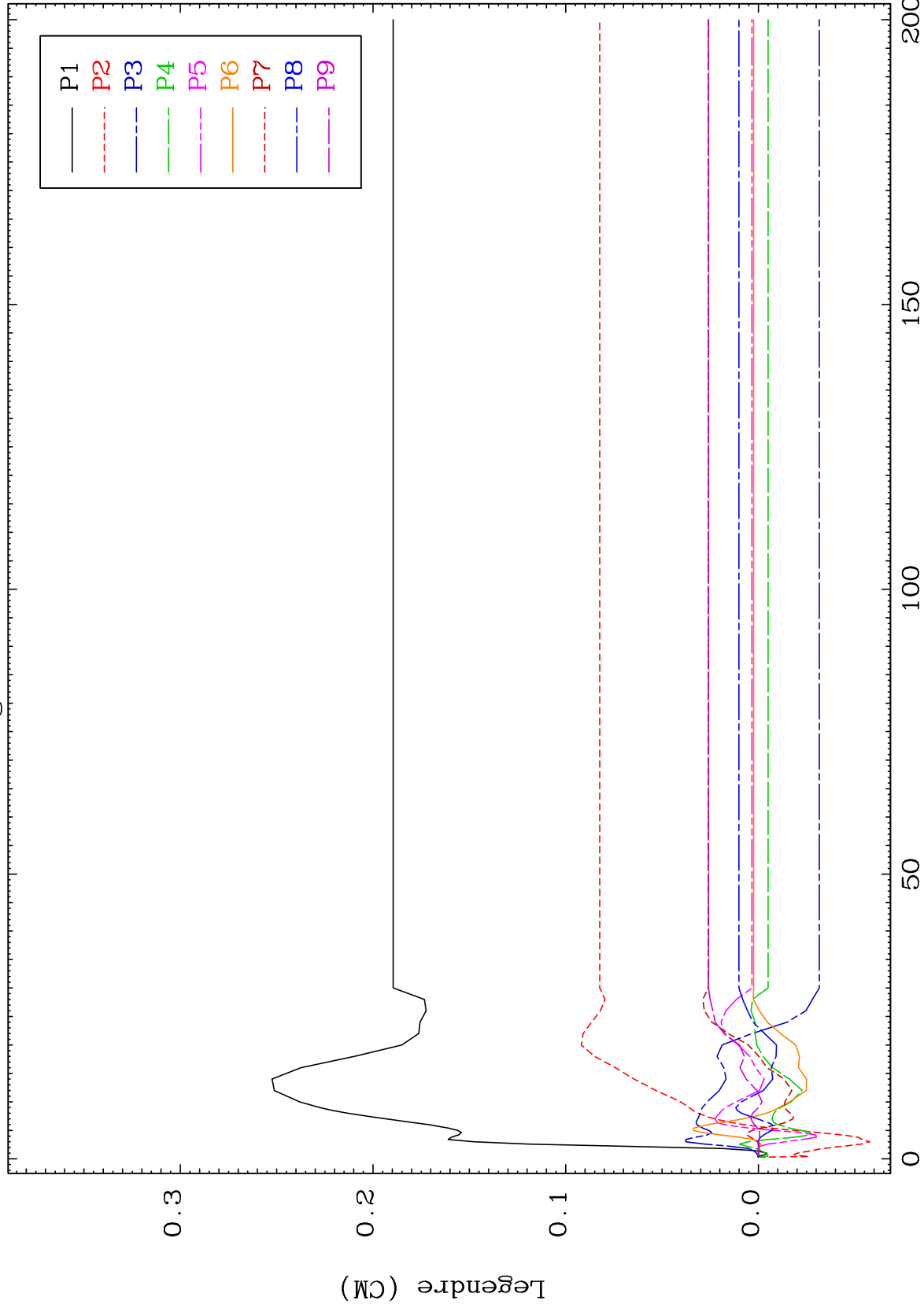


23

MAT 7231

290.2 keV (n,n') Level
Legendre Coefficients

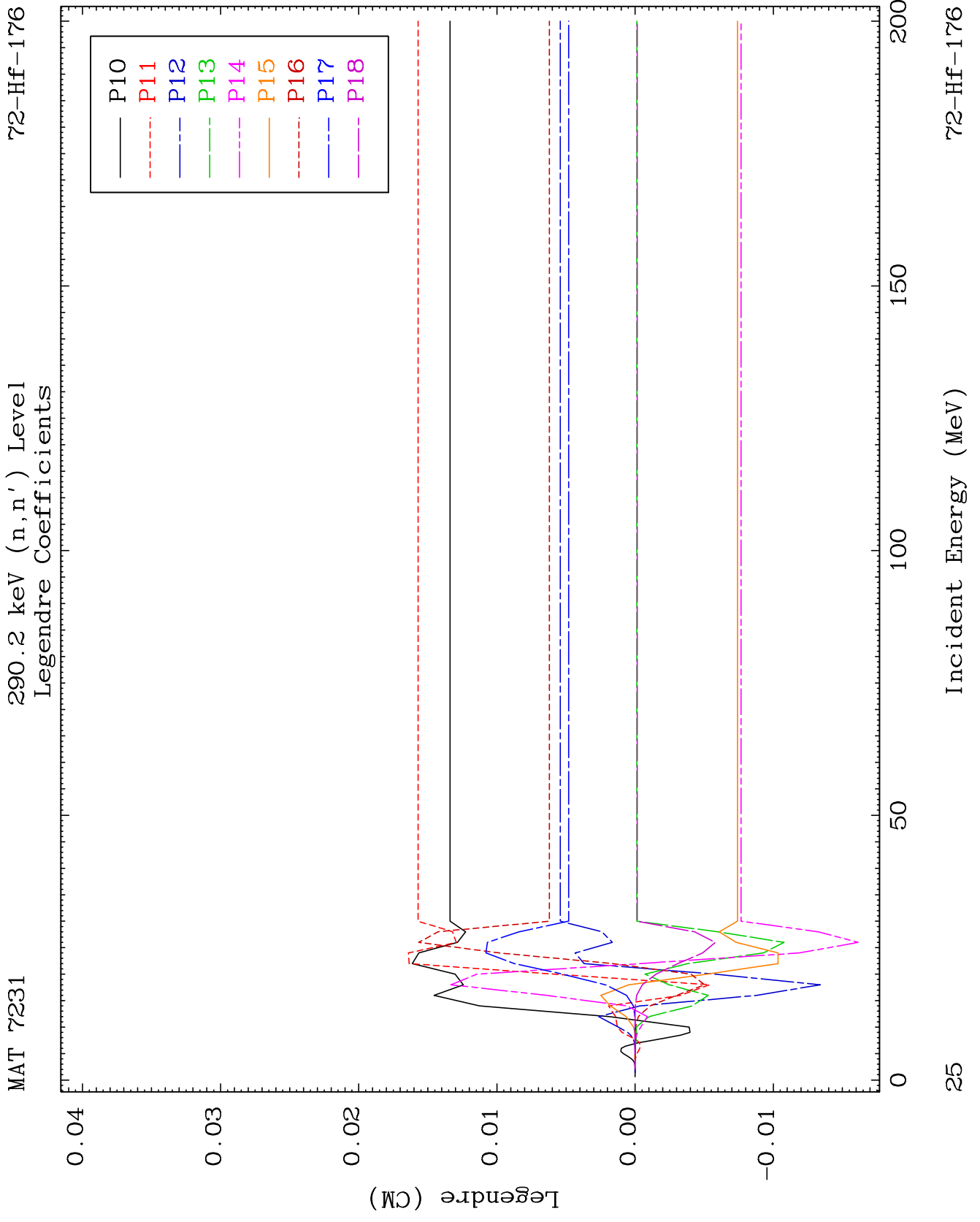
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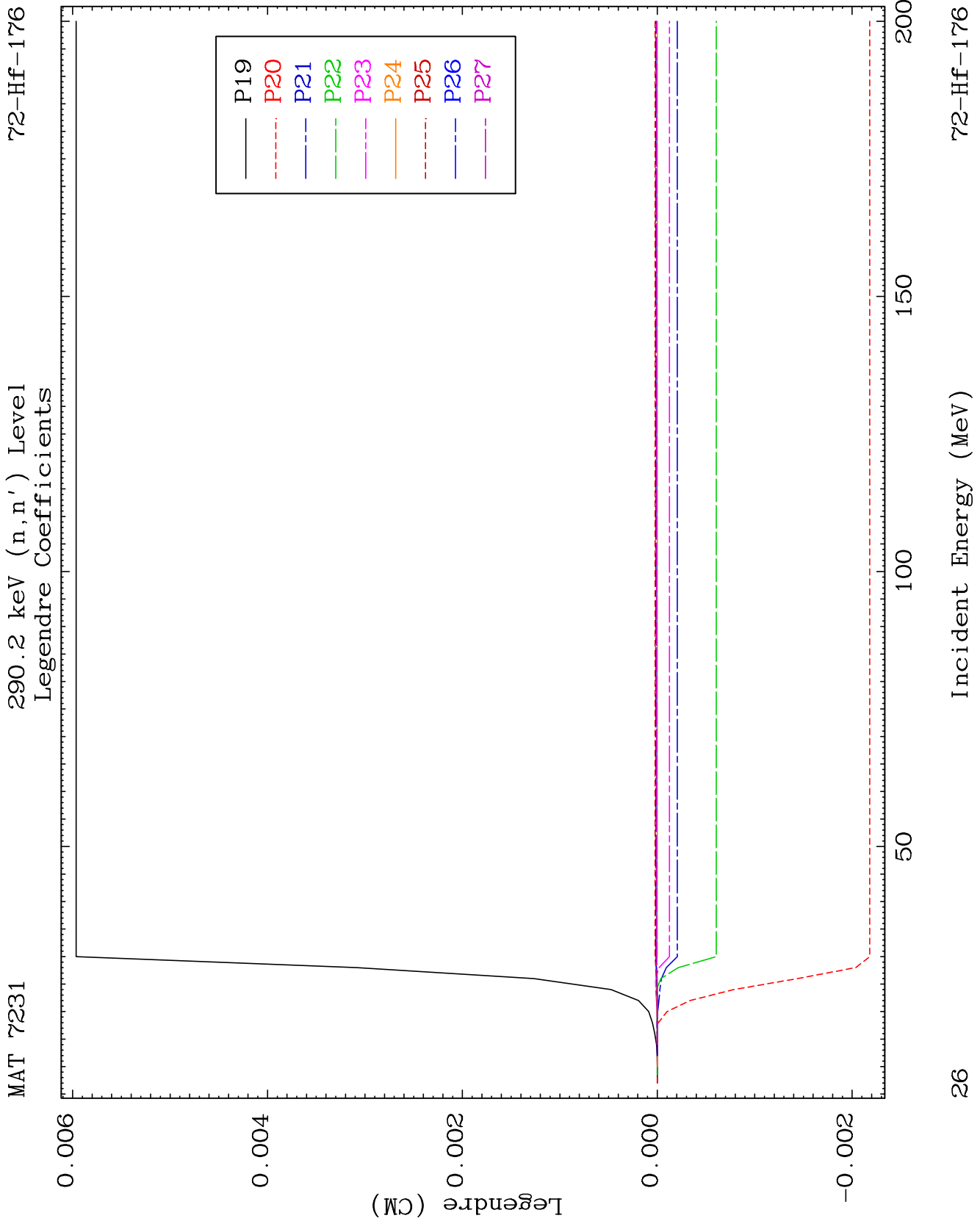


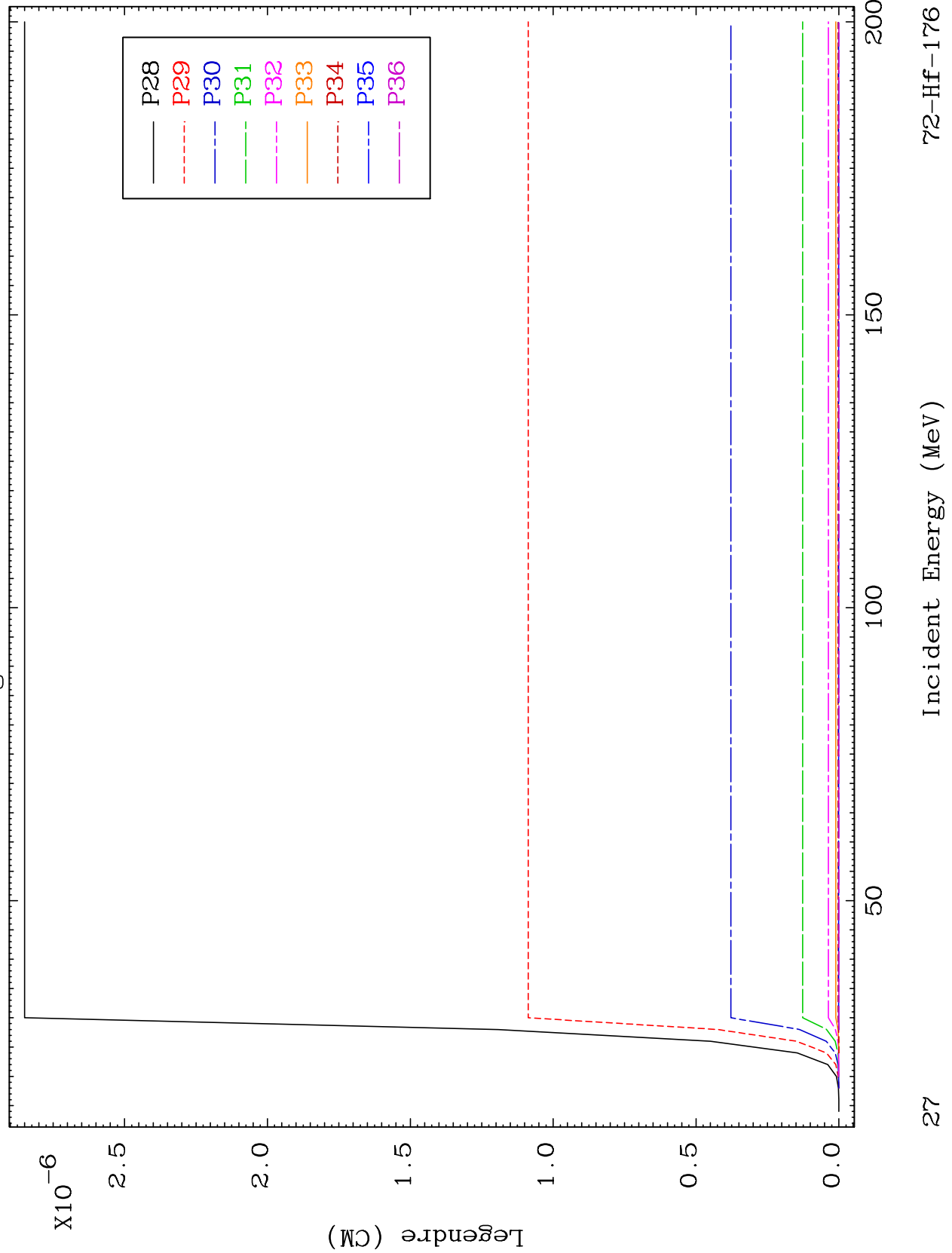
24

Incident Energy (MeV)

72-Hf-176



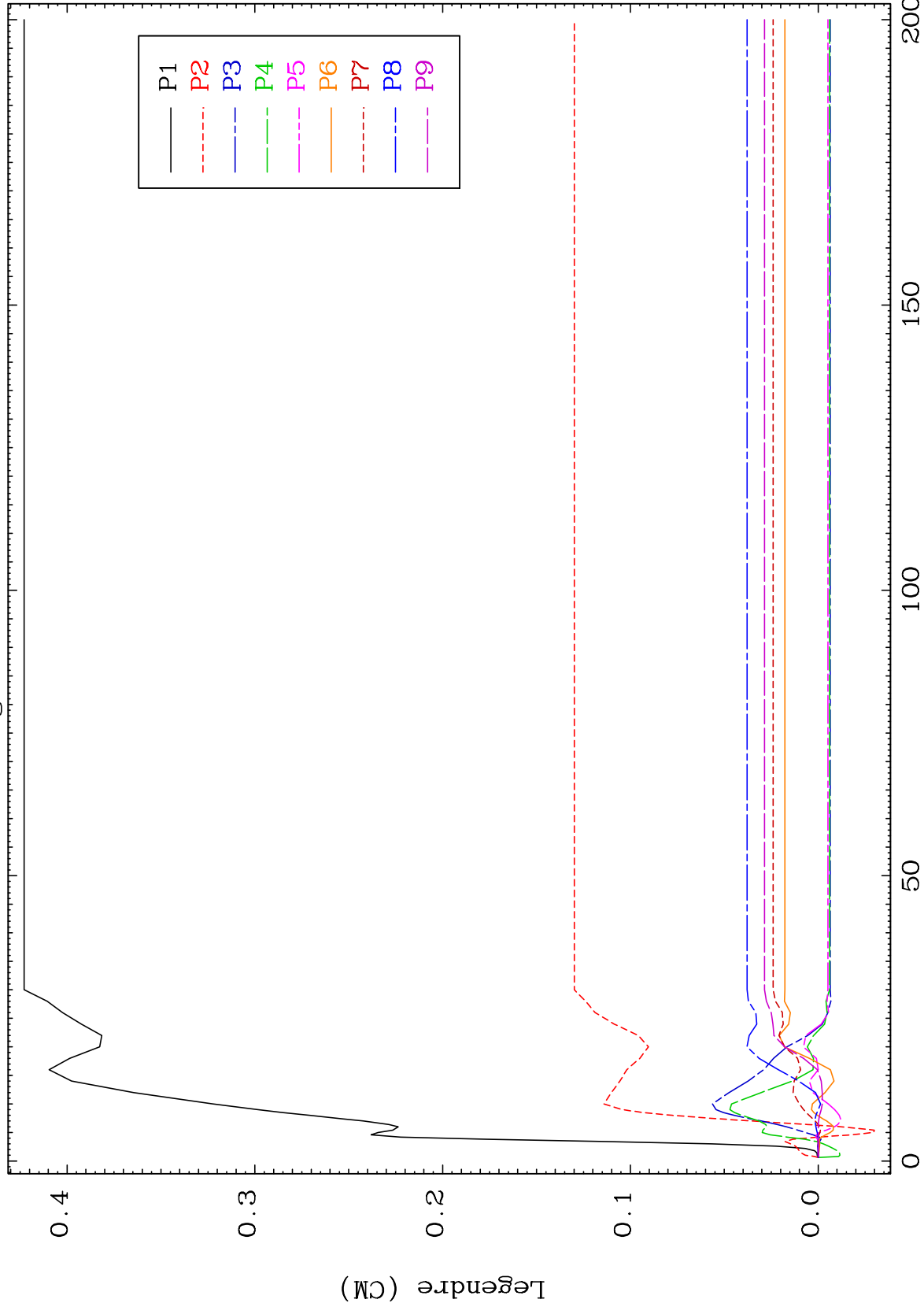




MAT 7231

596.8 keV (n,n') Level
Legendre Coefficients

72-Hf-176



28

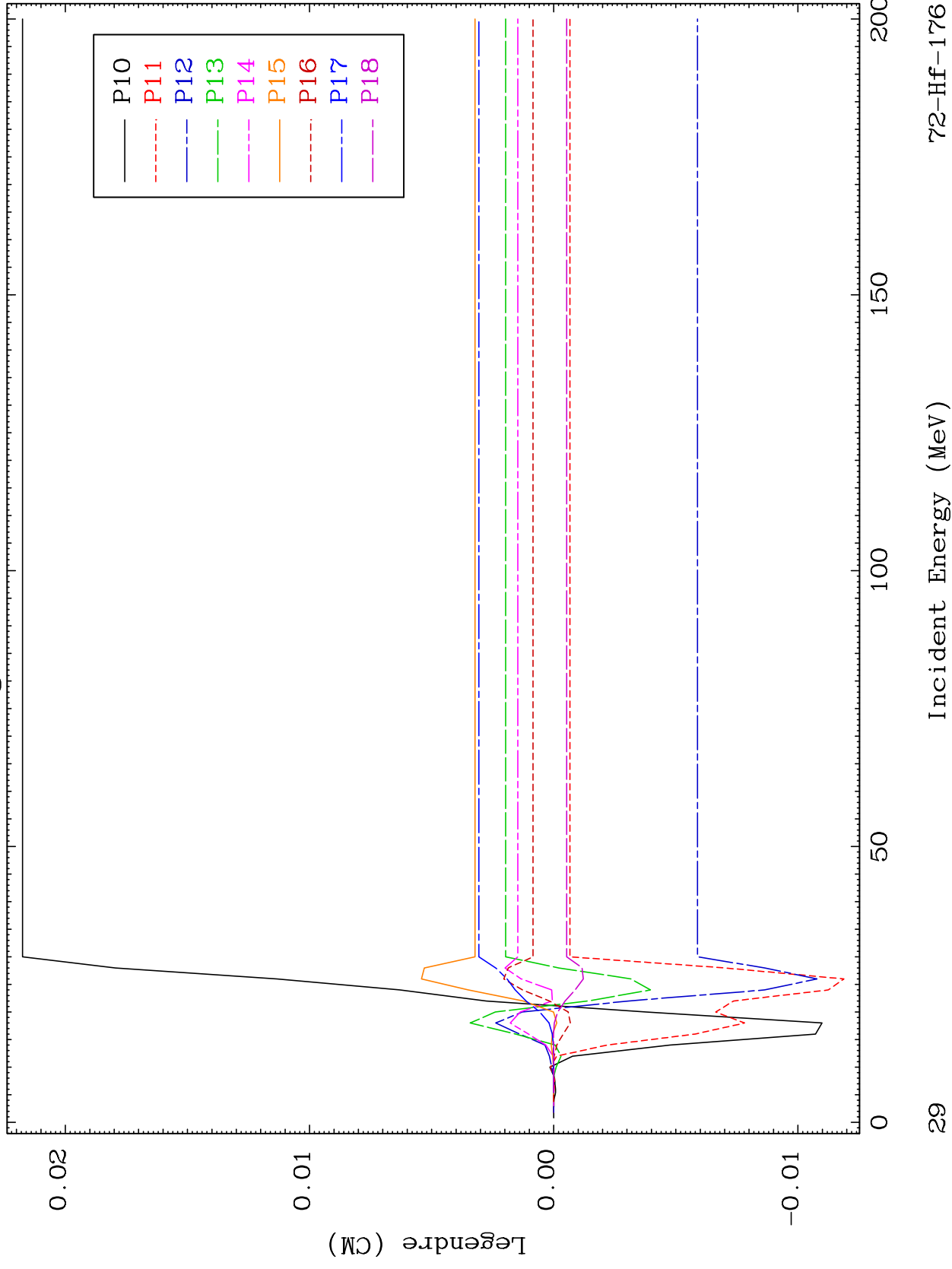
Incident Energy (MeV)

72-Hf-176

MAT 7231

596.8 keV (n,n') Level
Legendre Coefficients

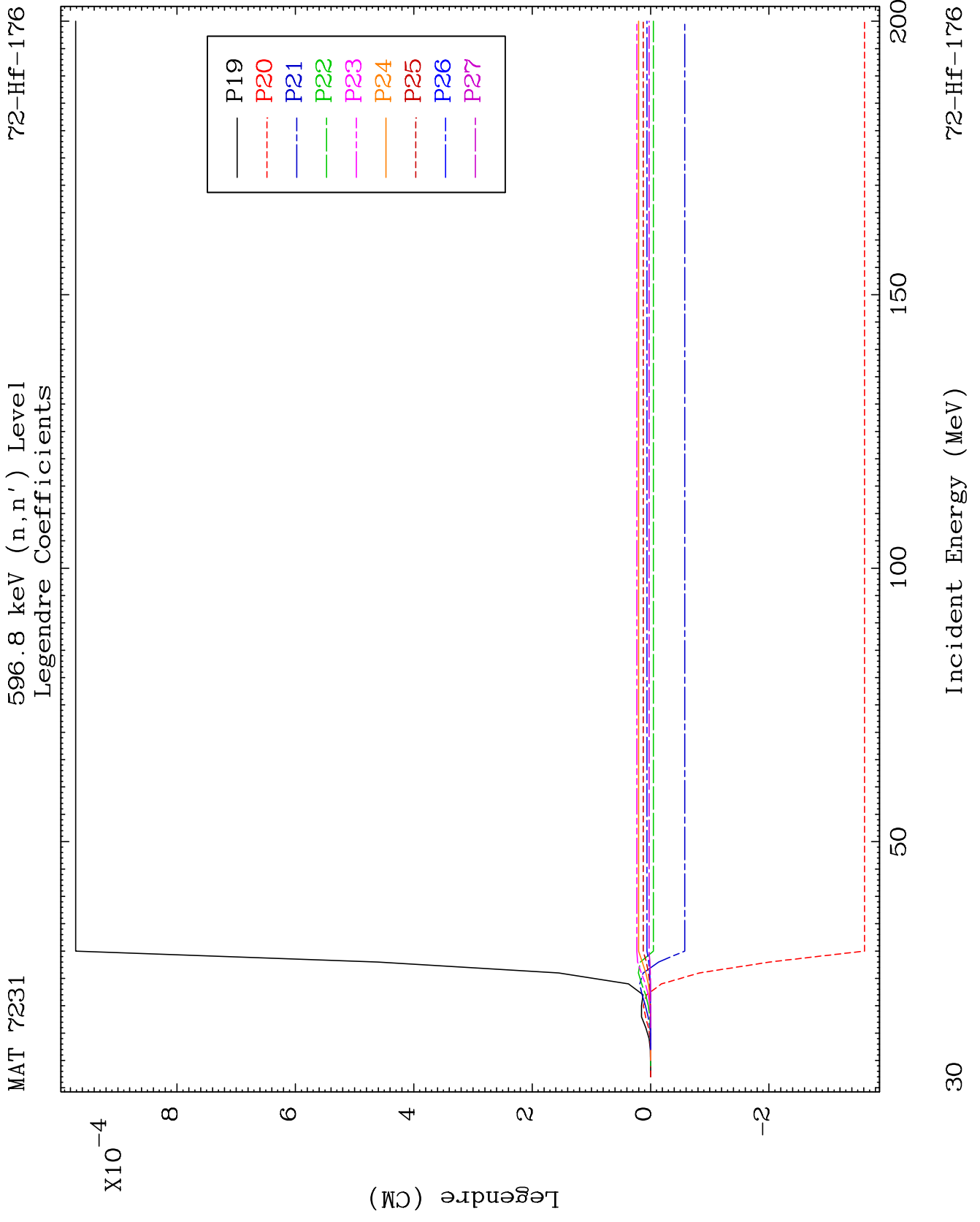
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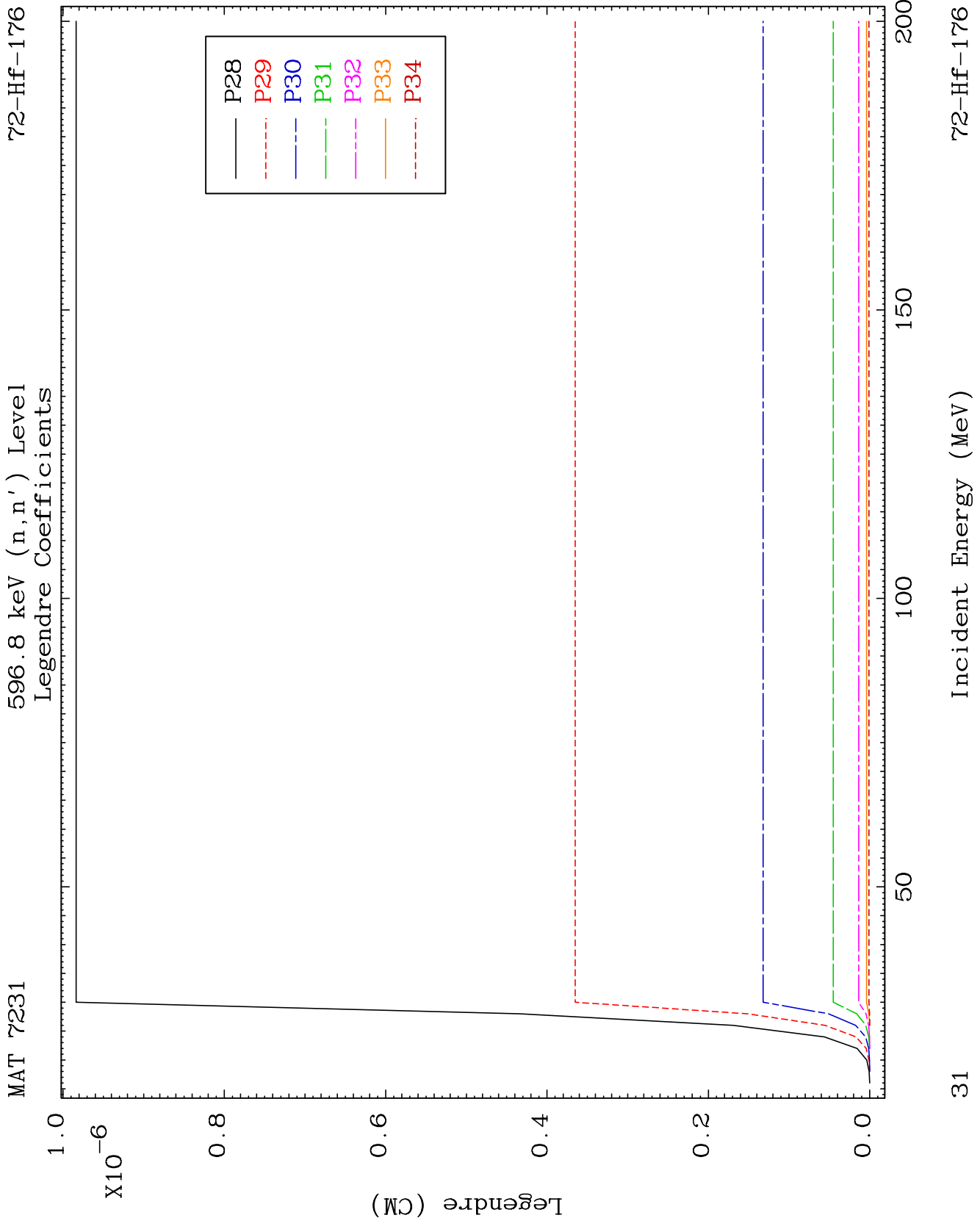


72-Hf-176

Incident Energy (MeV)

29

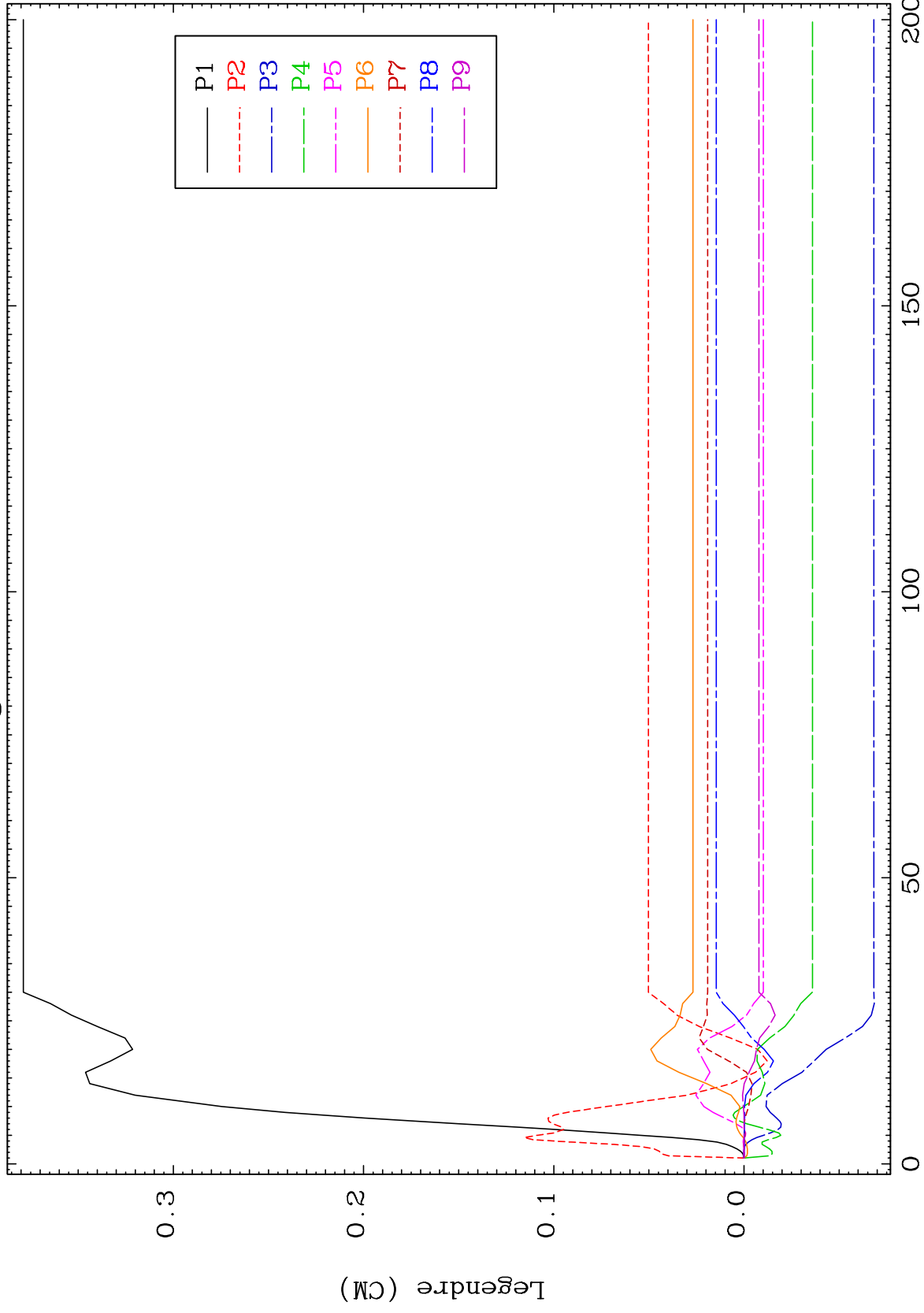




MAT 7231

997.7 keV (n,n') Level
Legendre Coefficients

72-Hf-176



32

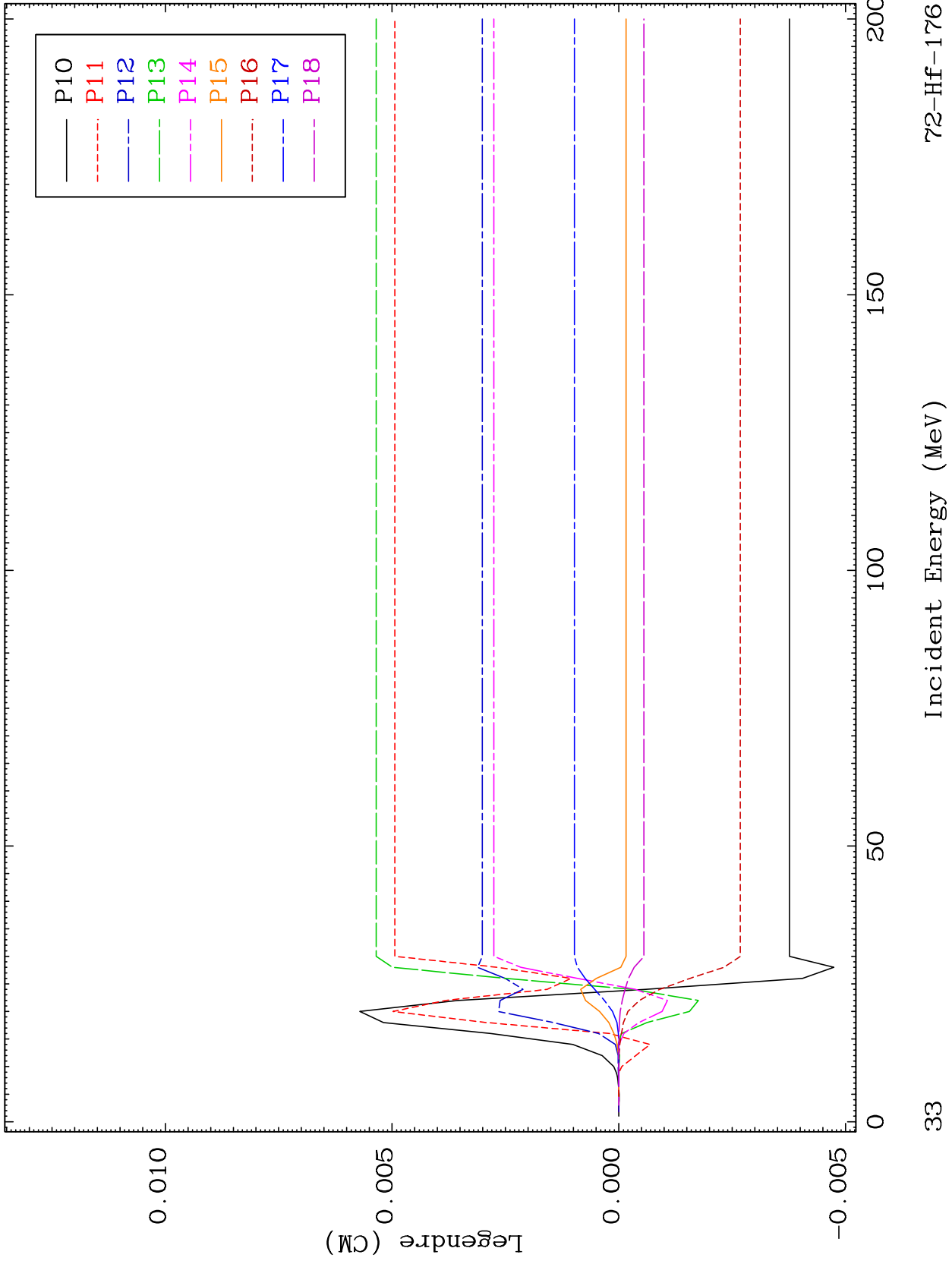
Incident Energy (MeV)

72-Hf-176

MAT 7231

997.7 keV (n,n') Level
Legendre Coefficients

72-Hf-176



33

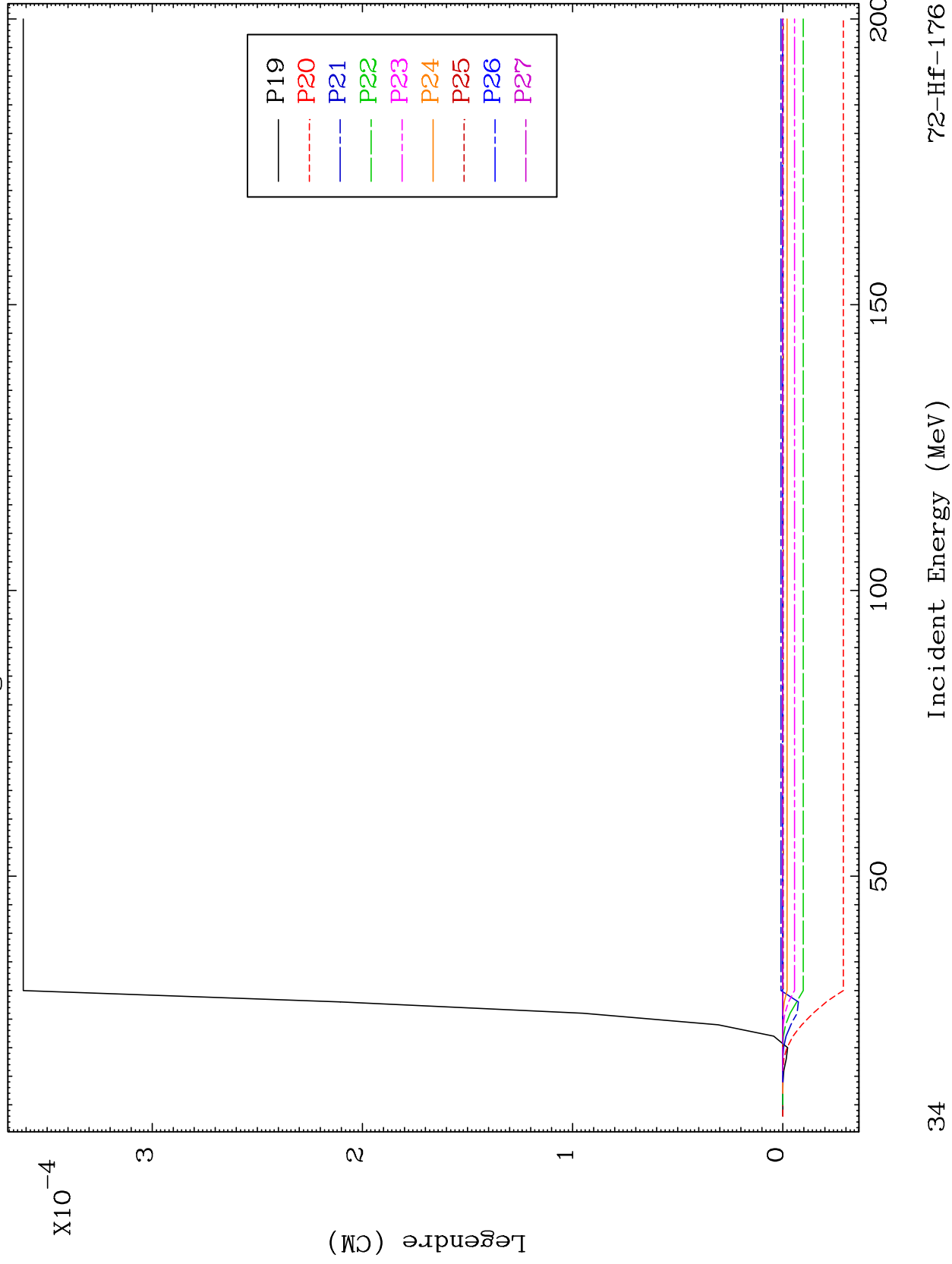
Incident Energy (MeV)

72-Hf-176

MAT 7231

997.7 keV (n,n') Level
Legendre Coefficients

72-Hf-176



34

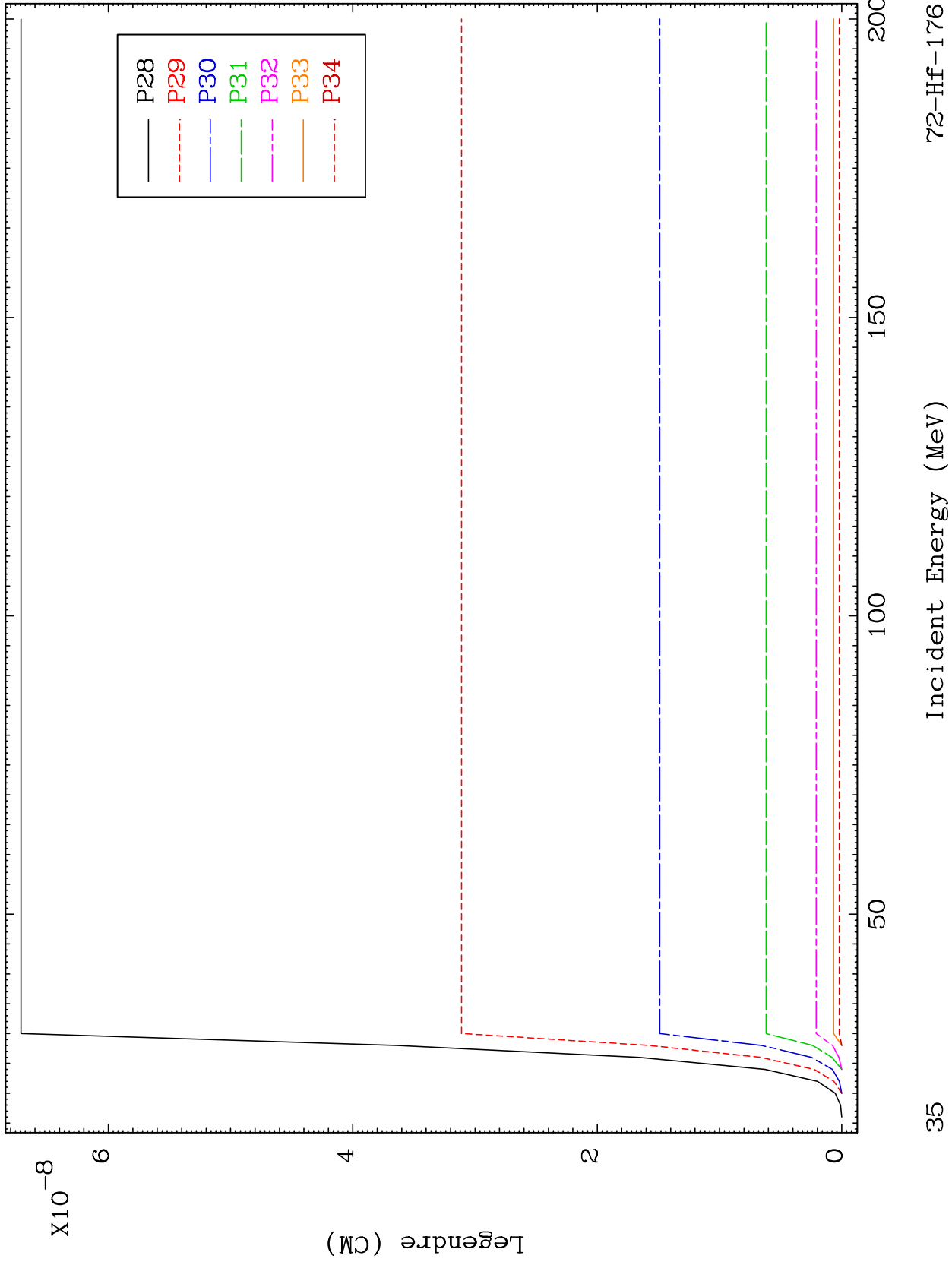
Incident Energy (MeV)

72-Hf-176

MAT 7231

997.7 keV (n,n') Level
Legendre Coefficients

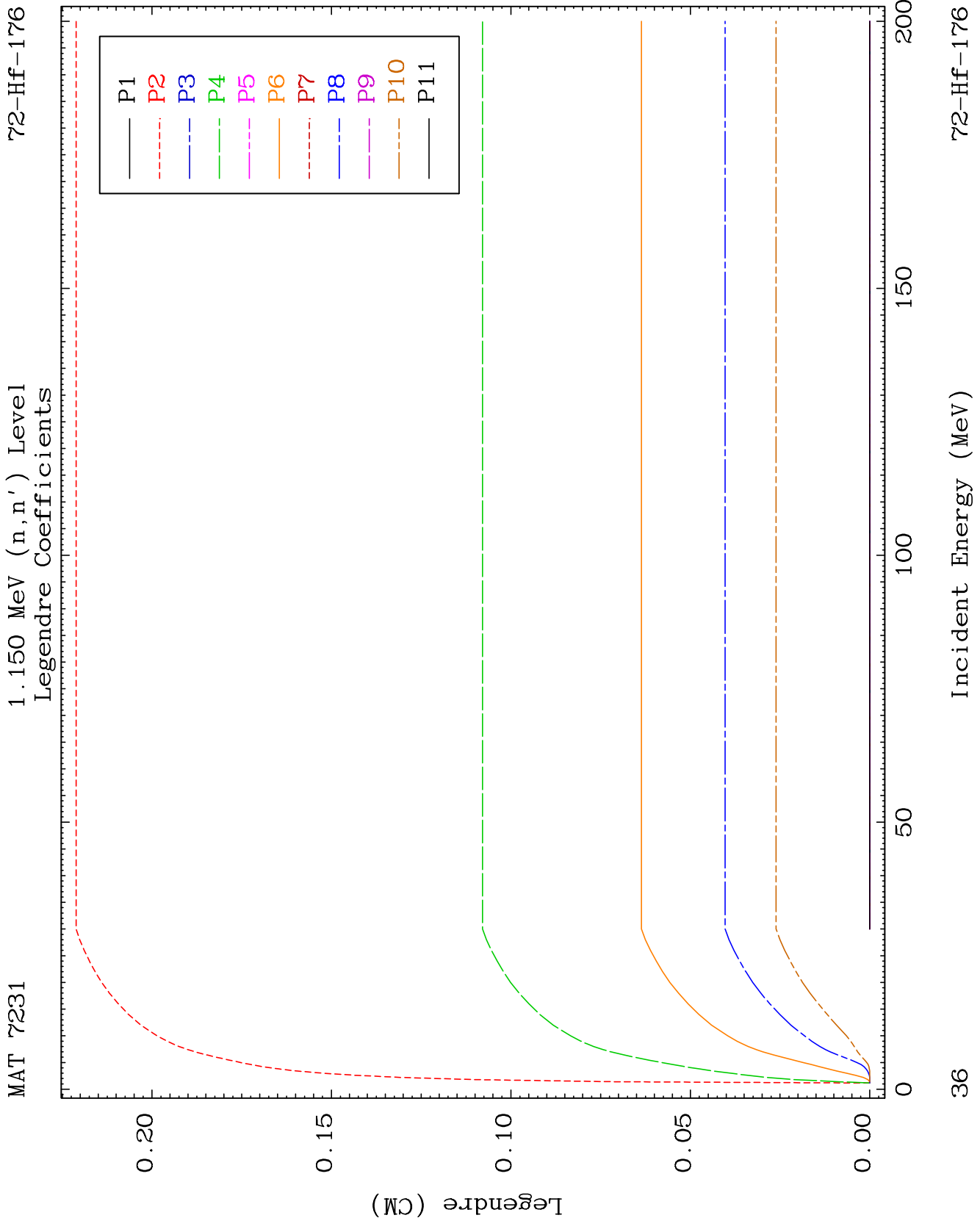
72-Hf-176



35

Incident Energy (MeV)

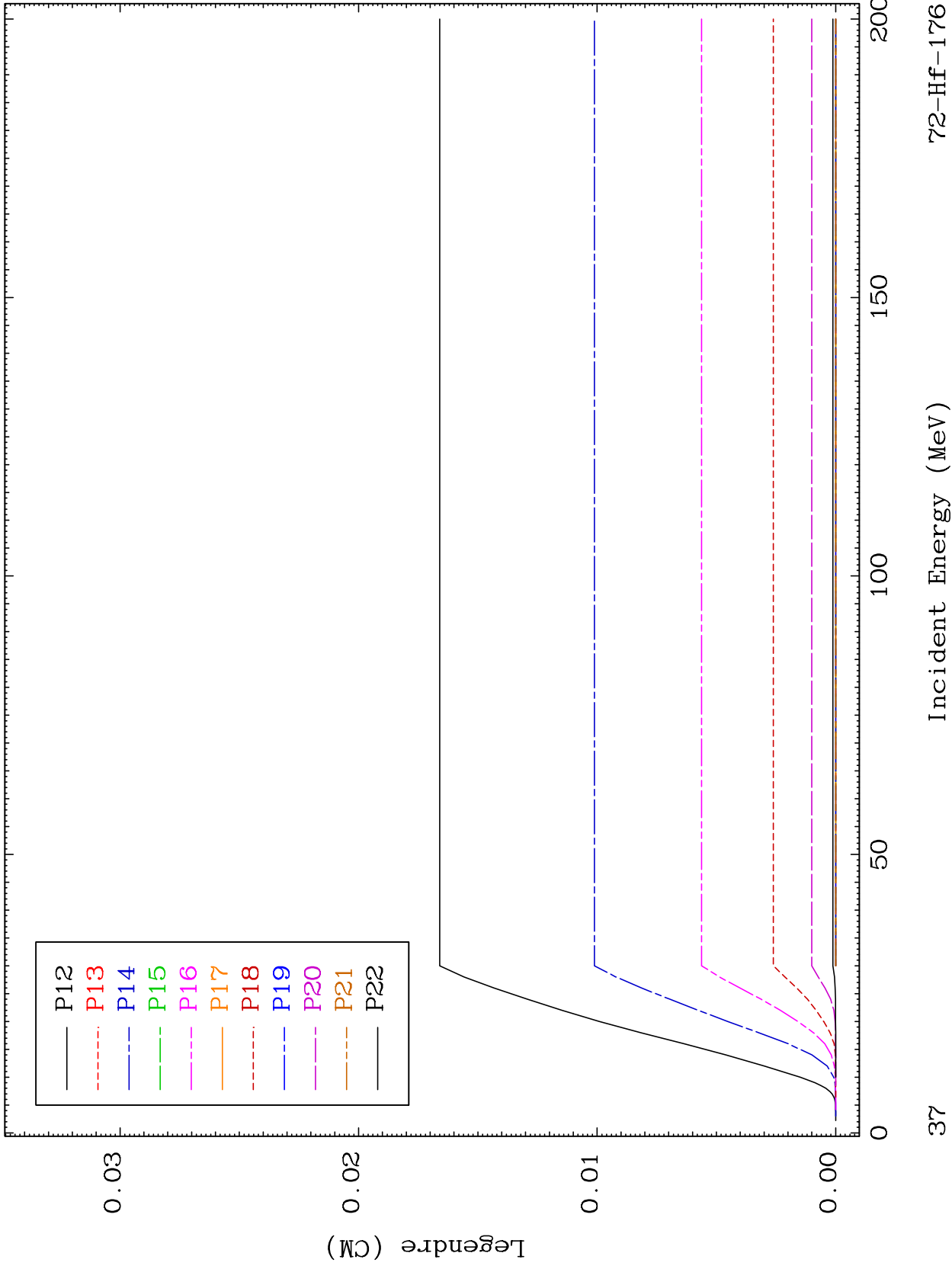
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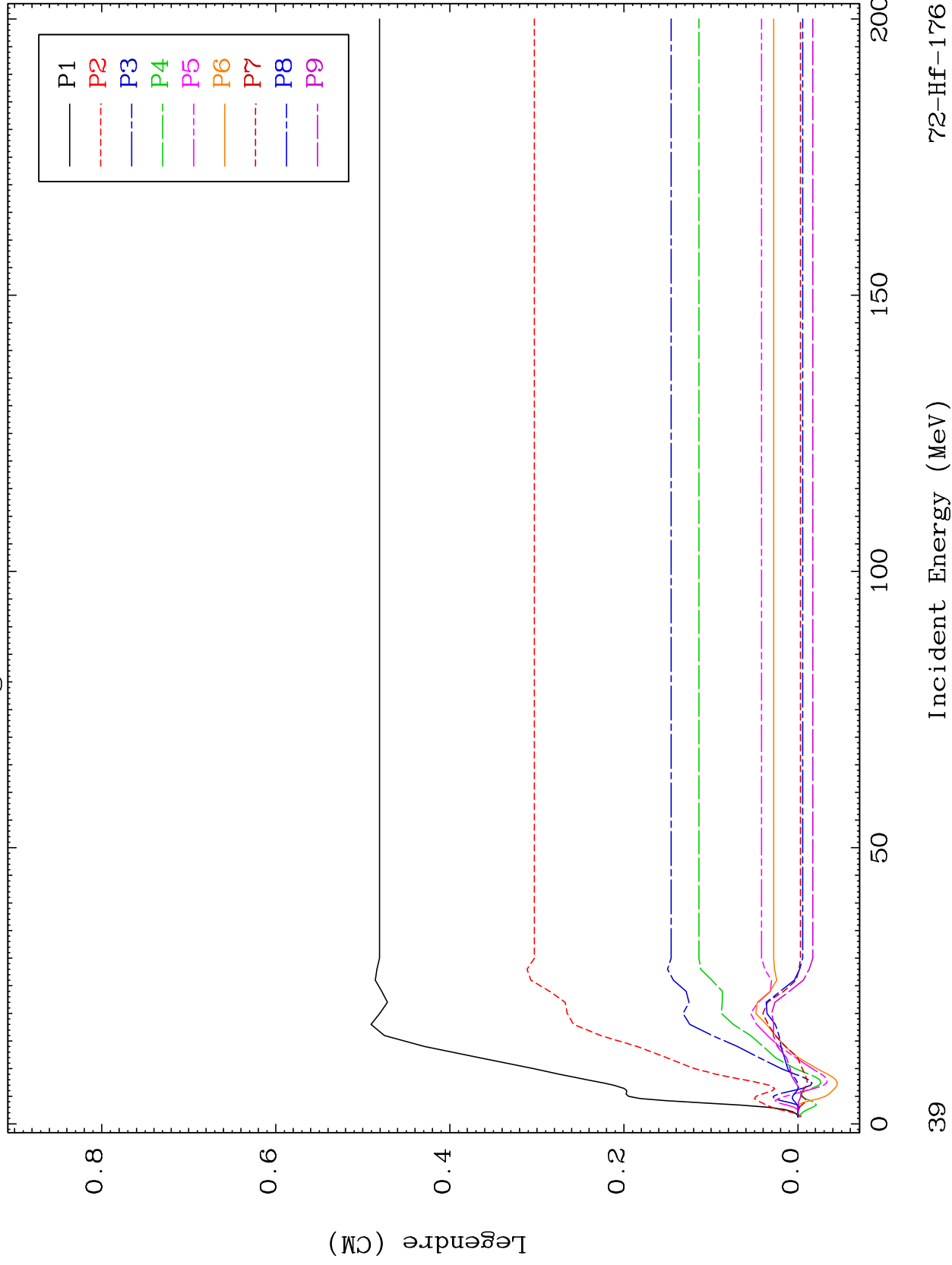


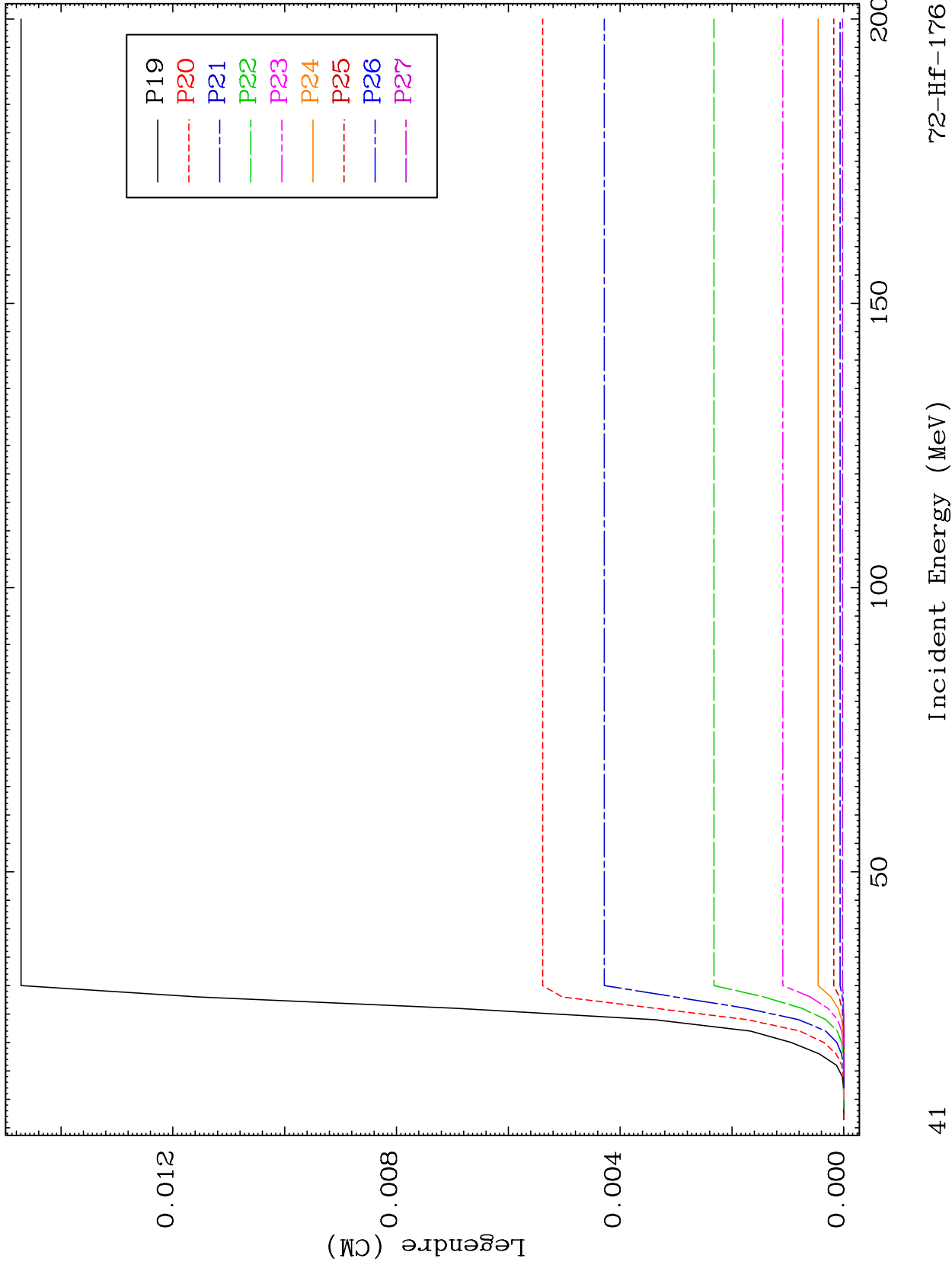
MAT 7231

1.150 MeV (n,n') Level
Legendre Coefficients

72-Hf-176



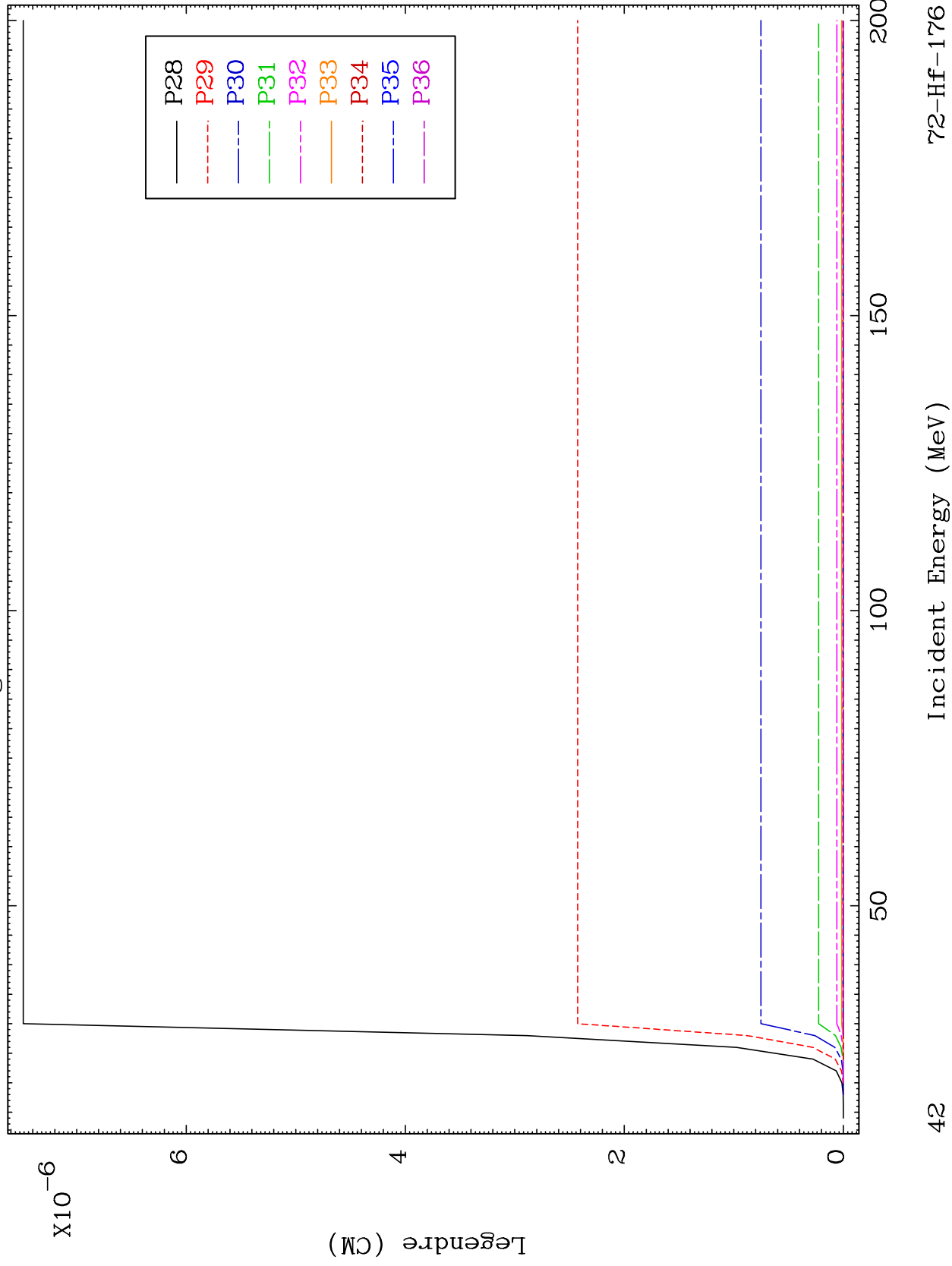




MAT 7231

1.227 MeV (n,n') Level
Legendre Coefficients

72-Hf-176



72-Hf-176

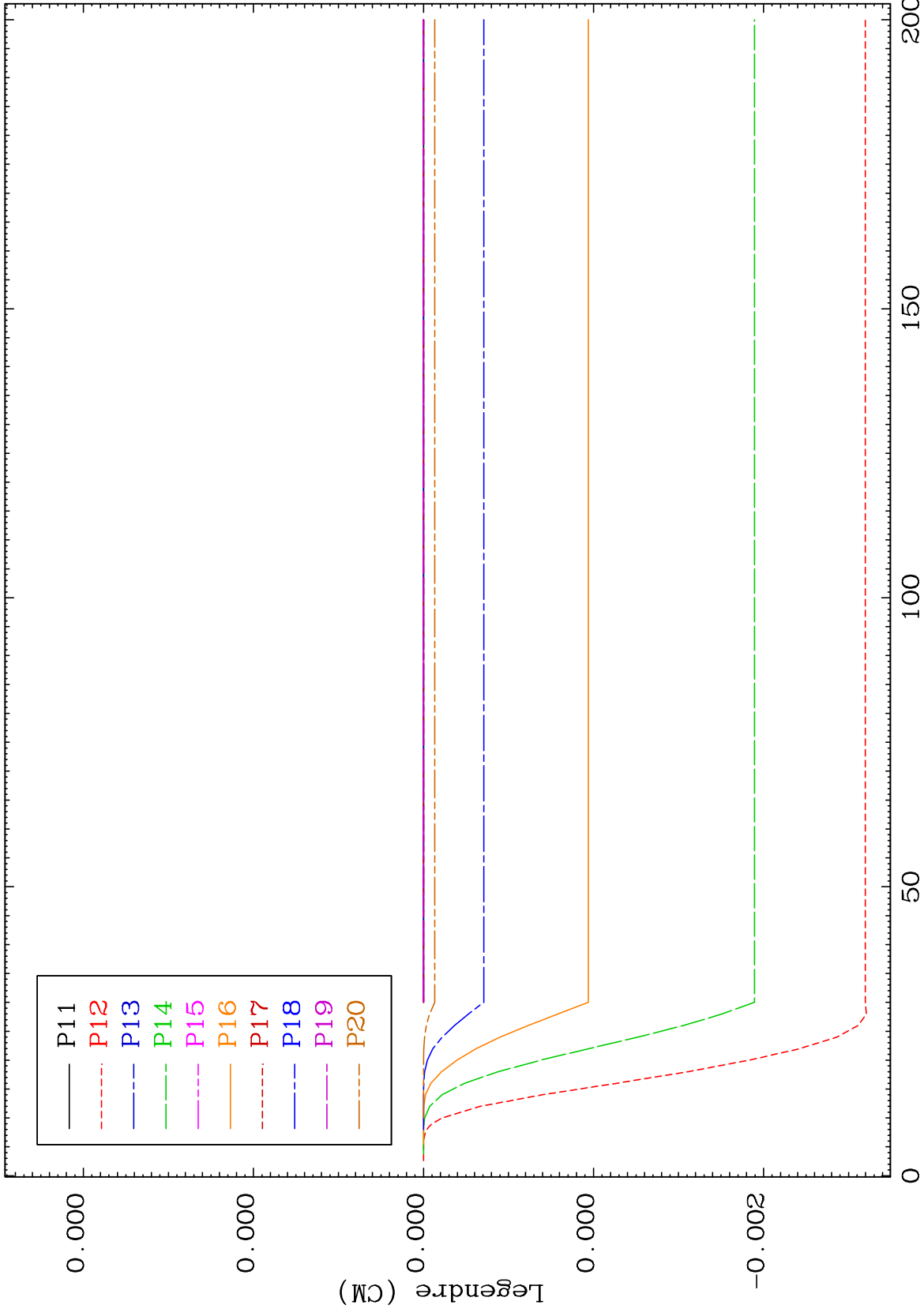
Incident Energy (MeV)

42

MAT 7231

1.248 MeV (n,n') Level
Legendre Coefficients

72-Hf-176



44

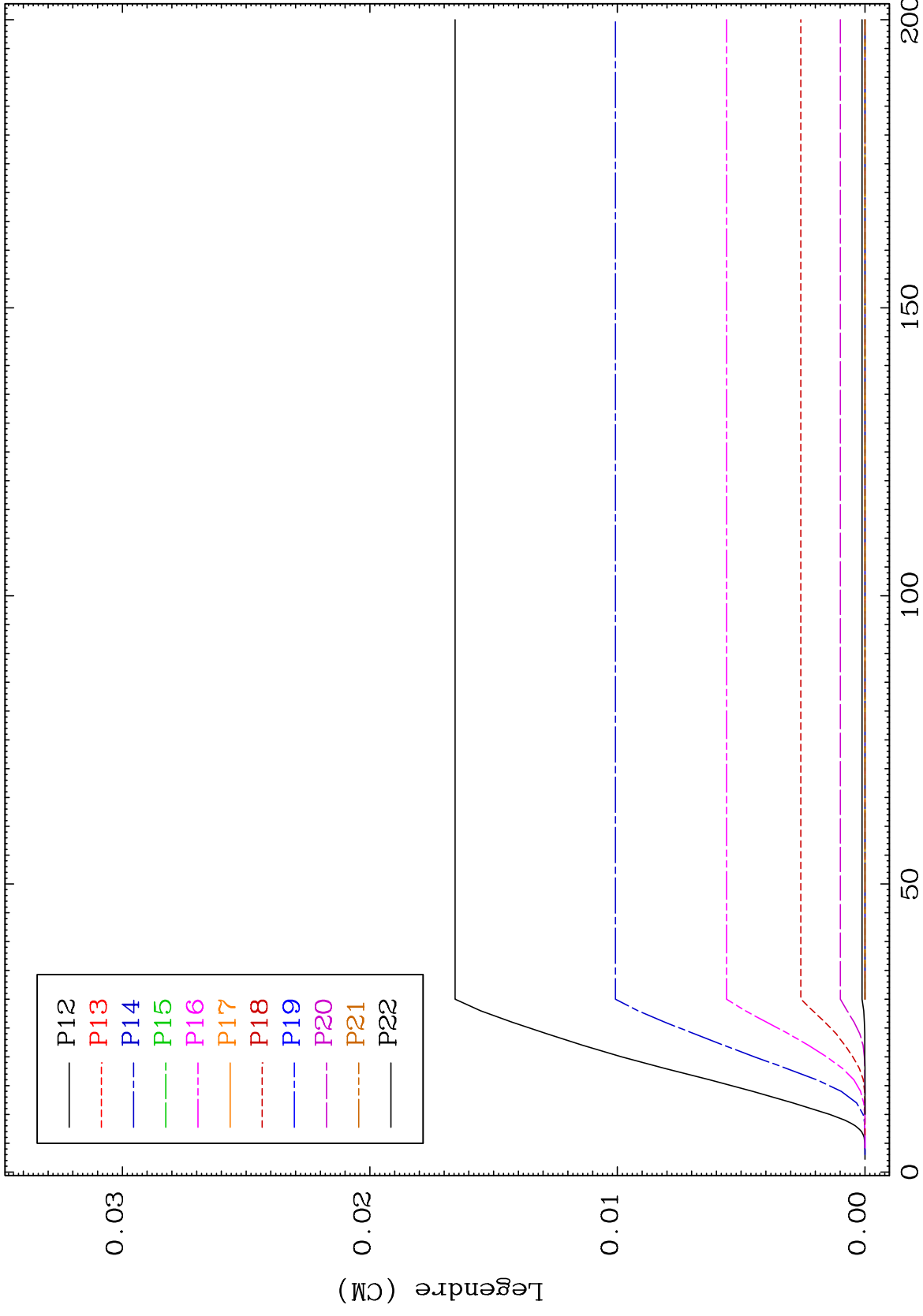
Incident Energy (MeV)

72-Hf-176

MAT 7231

1.293 MeV (n,n') Level
Legendre Coefficients

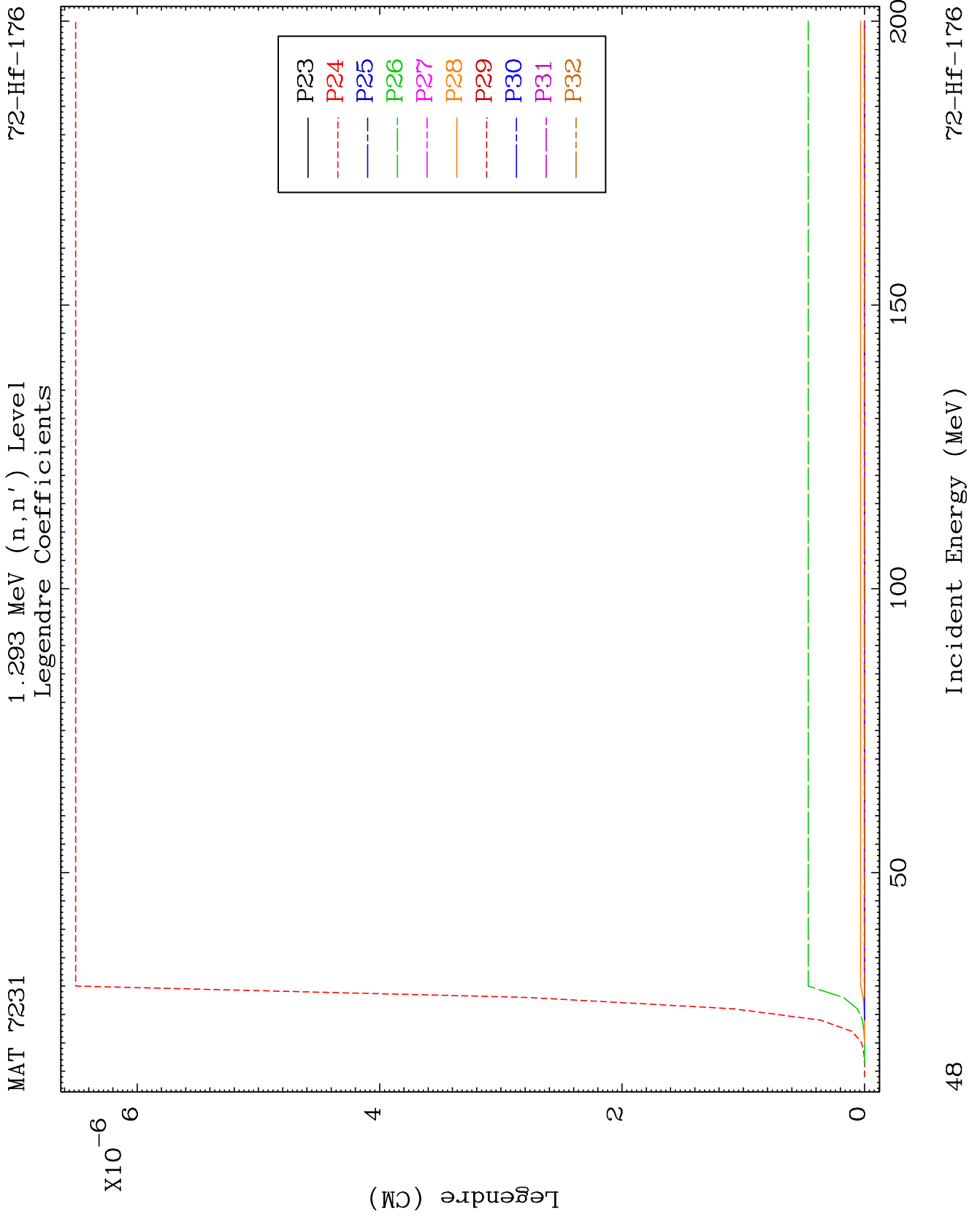
72-Hf-176



47

Incident Energy (MeV)

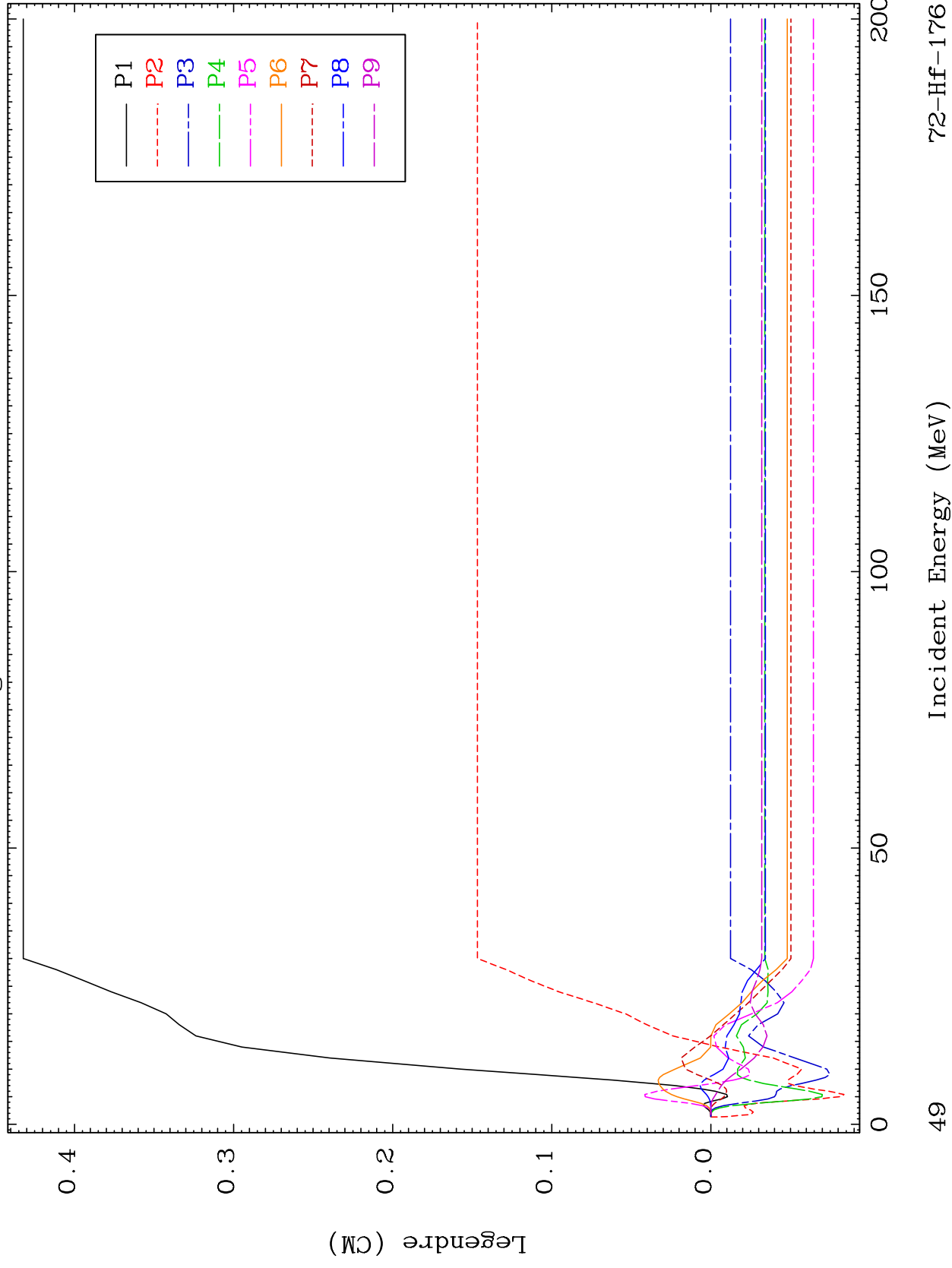
72-Hf-176



MAT 7231

1.313 MeV (n,n') Level
Legendre Coefficients

72-Hf-176



72-Hf-176

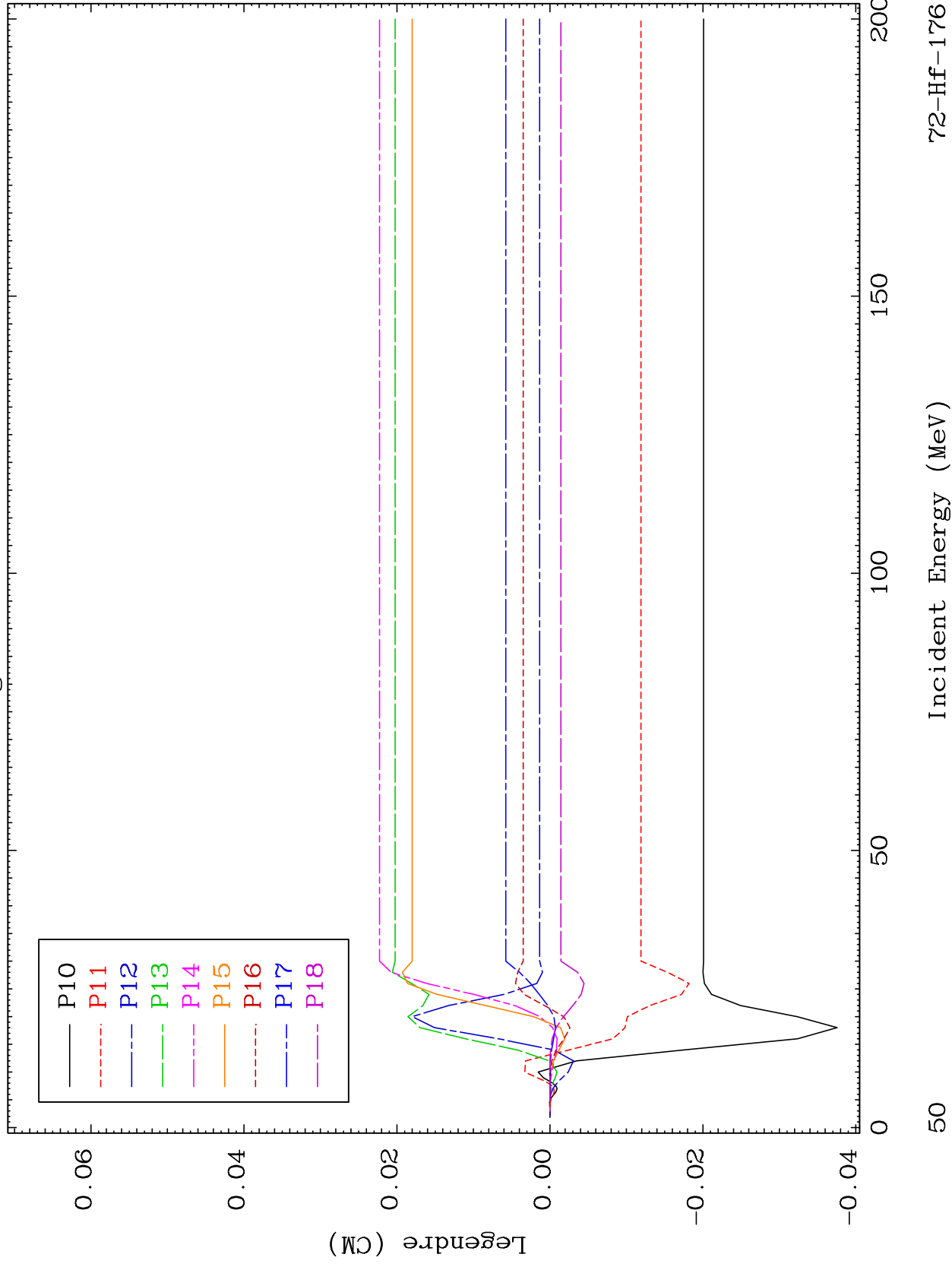
Incident Energy (MeV)

49

MAT 7231

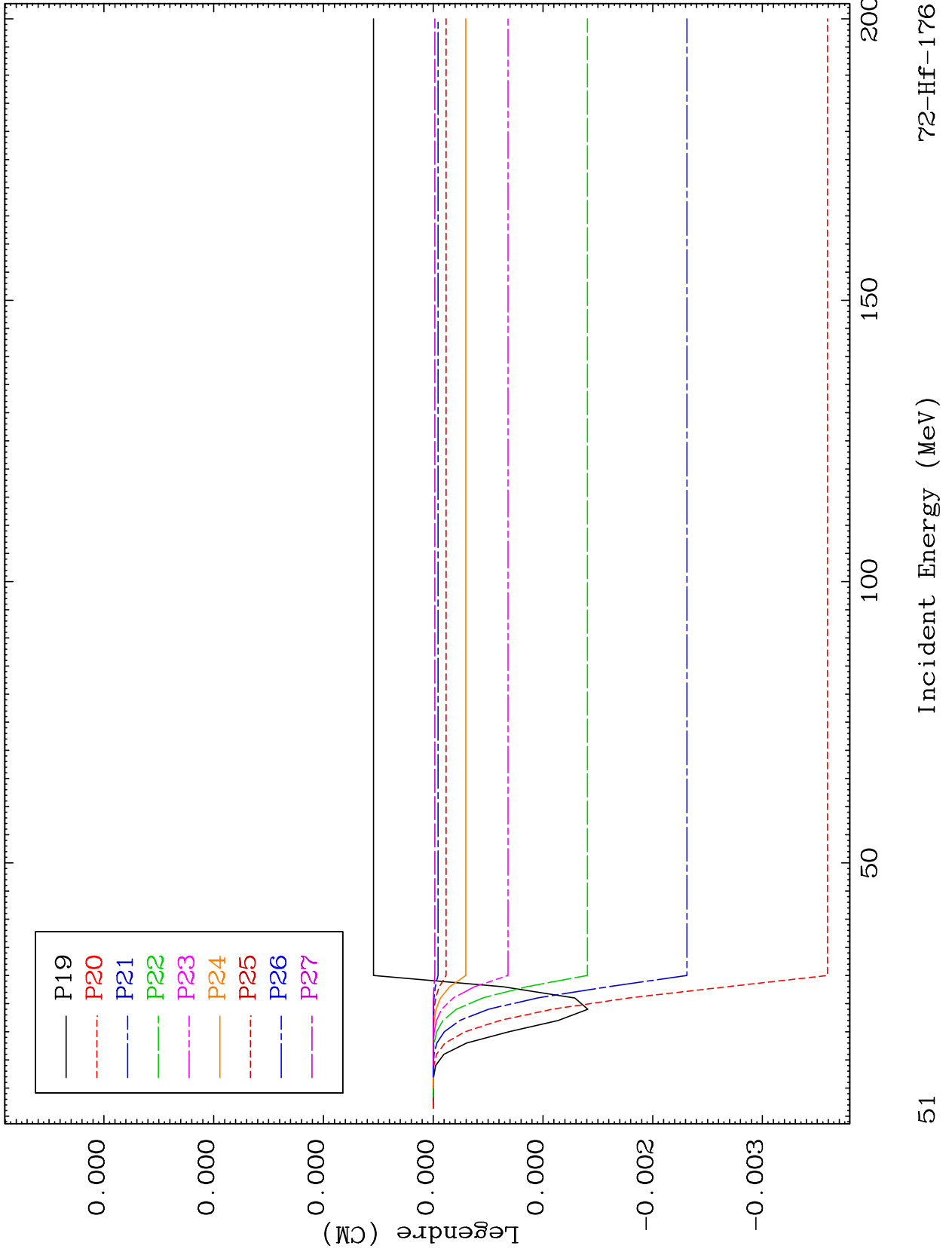
1.313 MeV (n,n') Level
Legendre Coefficients

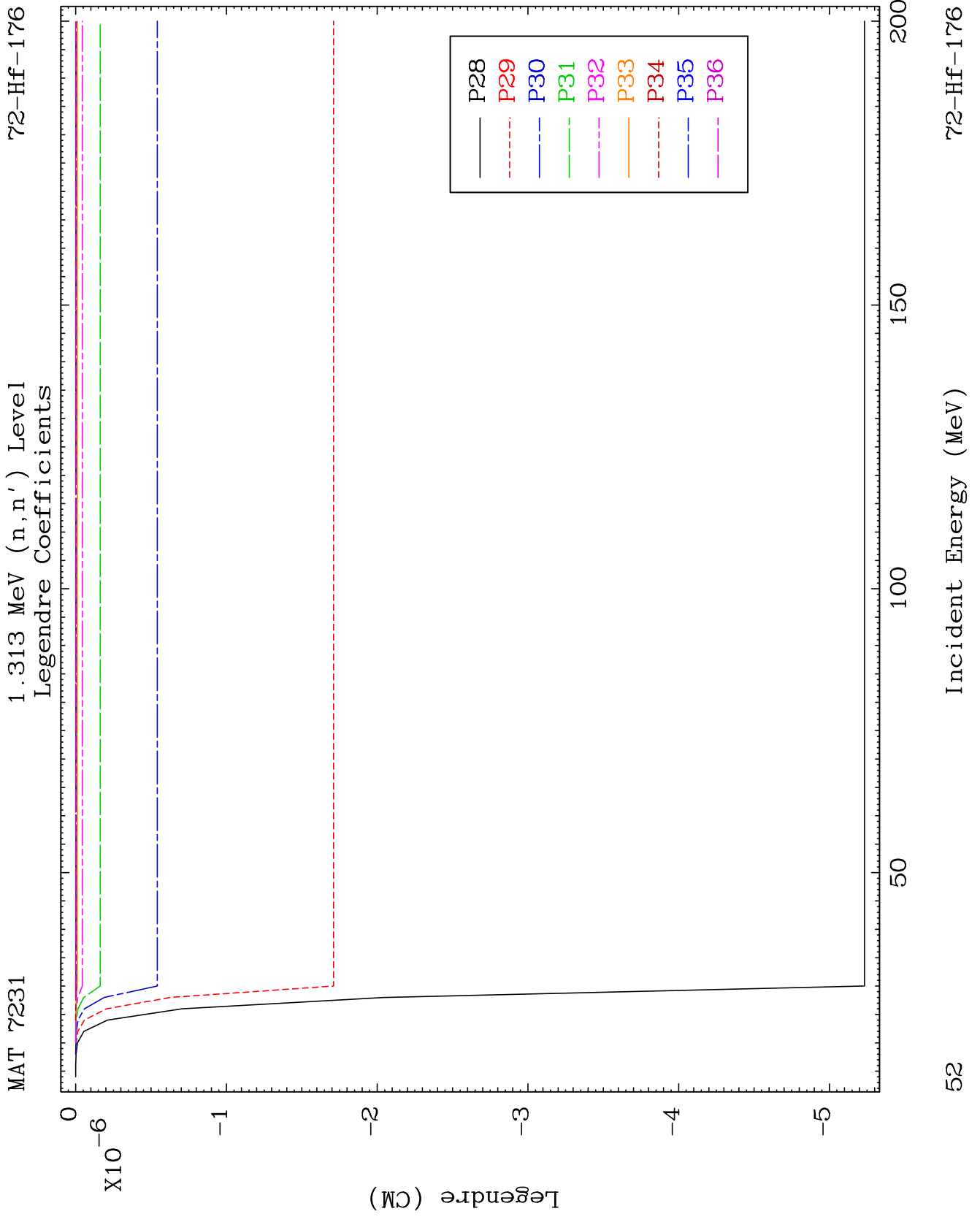
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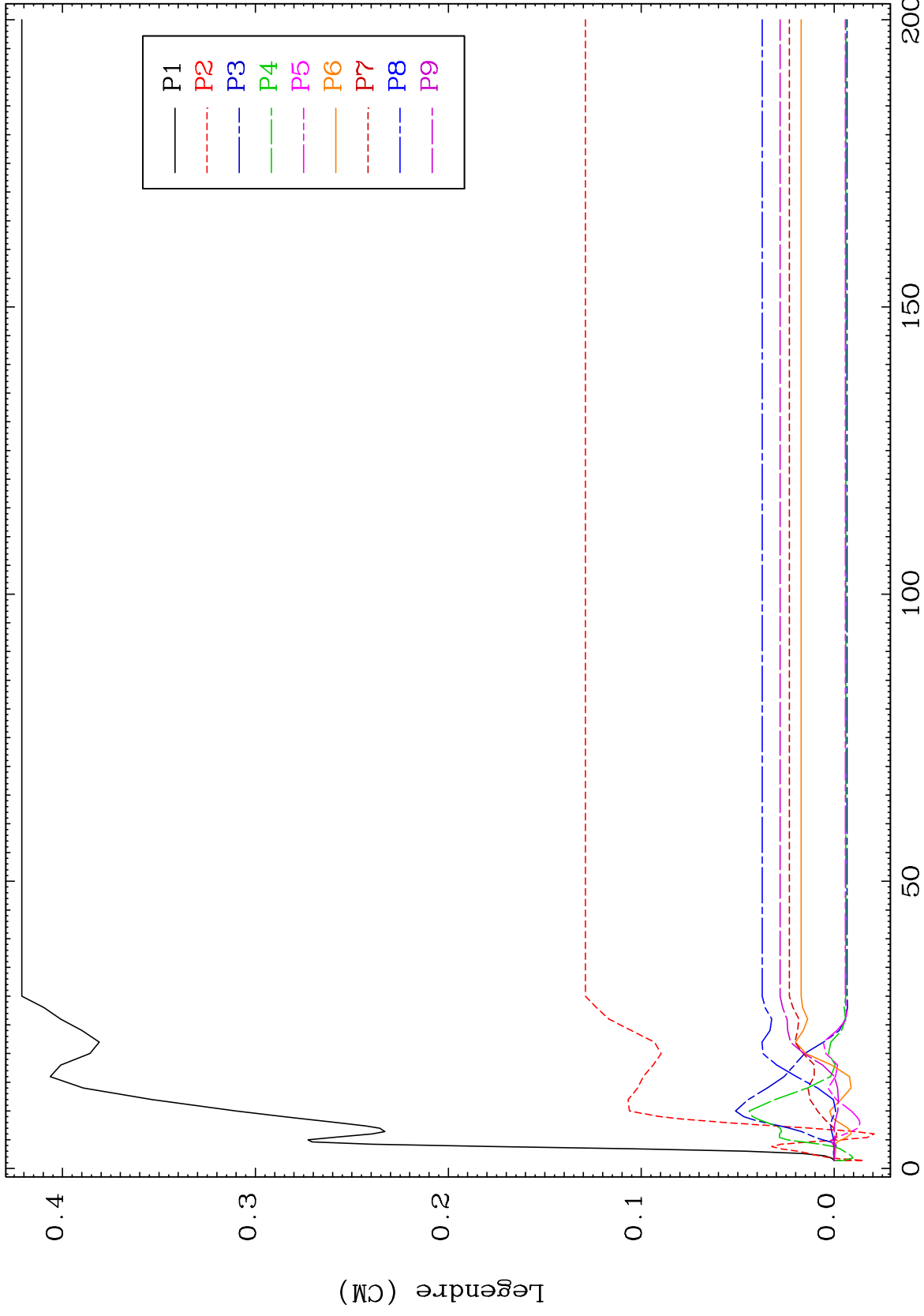


72-Hf-176

Incident Energy (MeV)



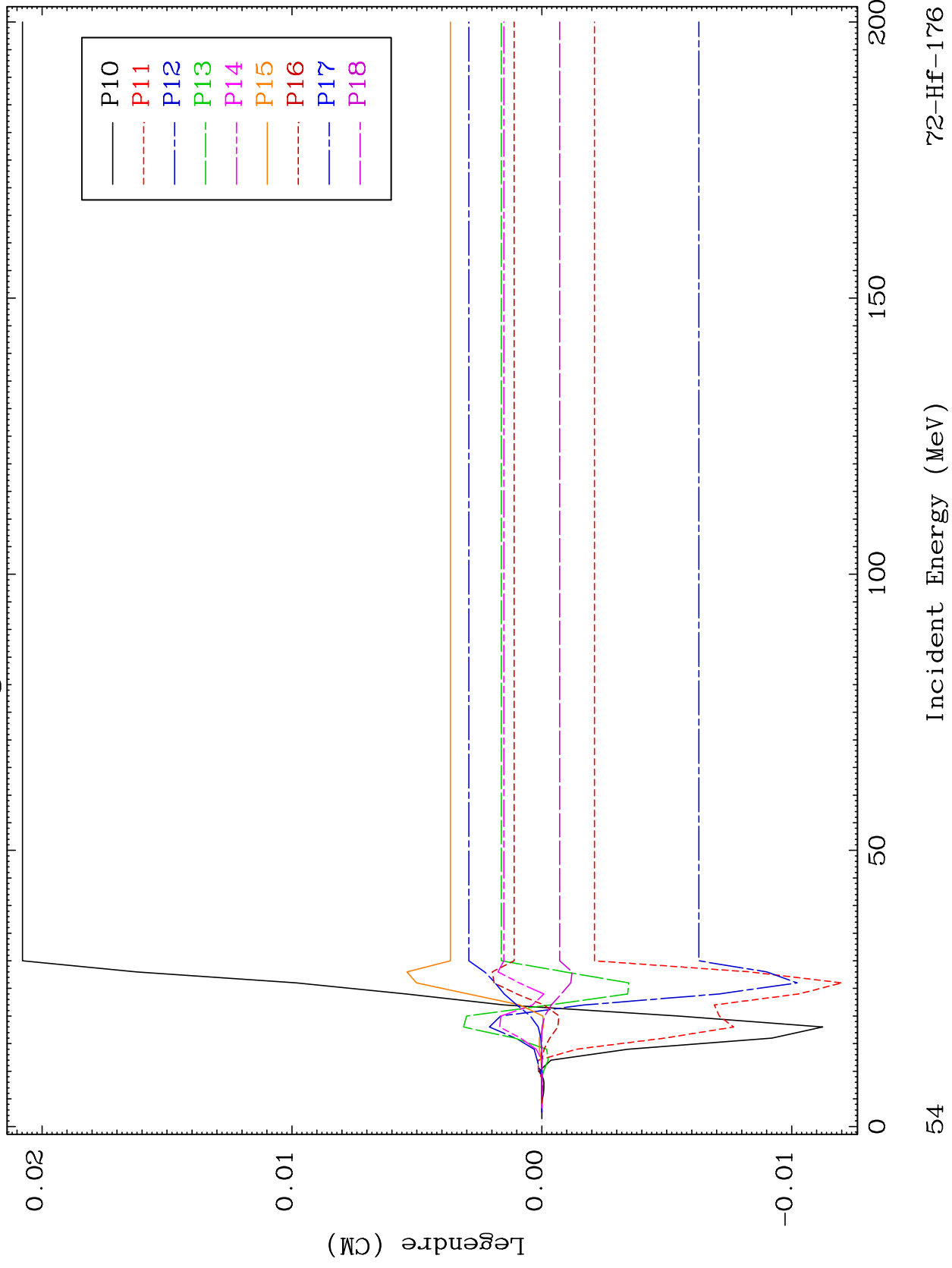




MAT 7231

1.333 MeV (n,n') Level
Legendre Coefficients

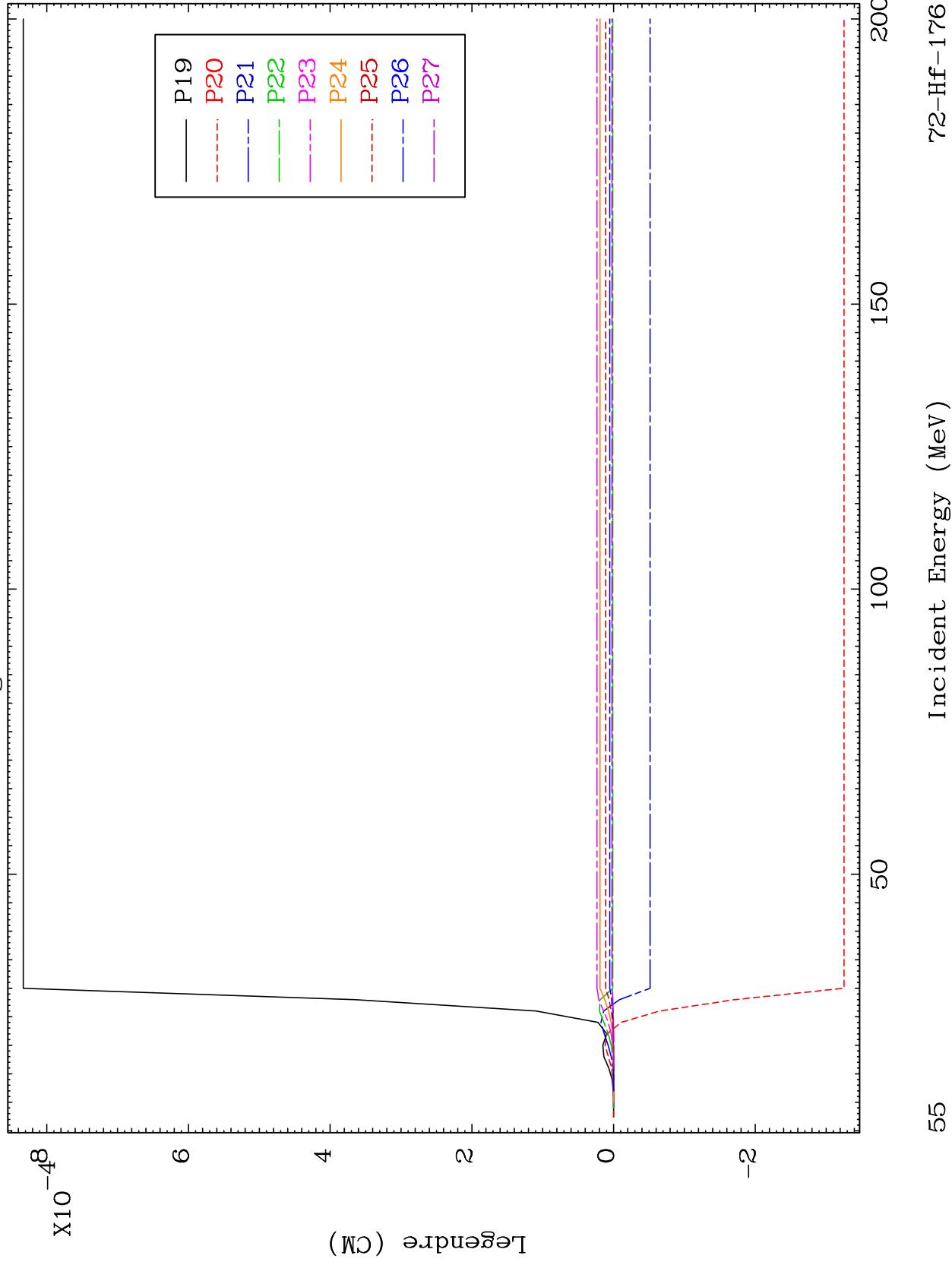
72-Hf-176



54

Incident Energy (MeV)

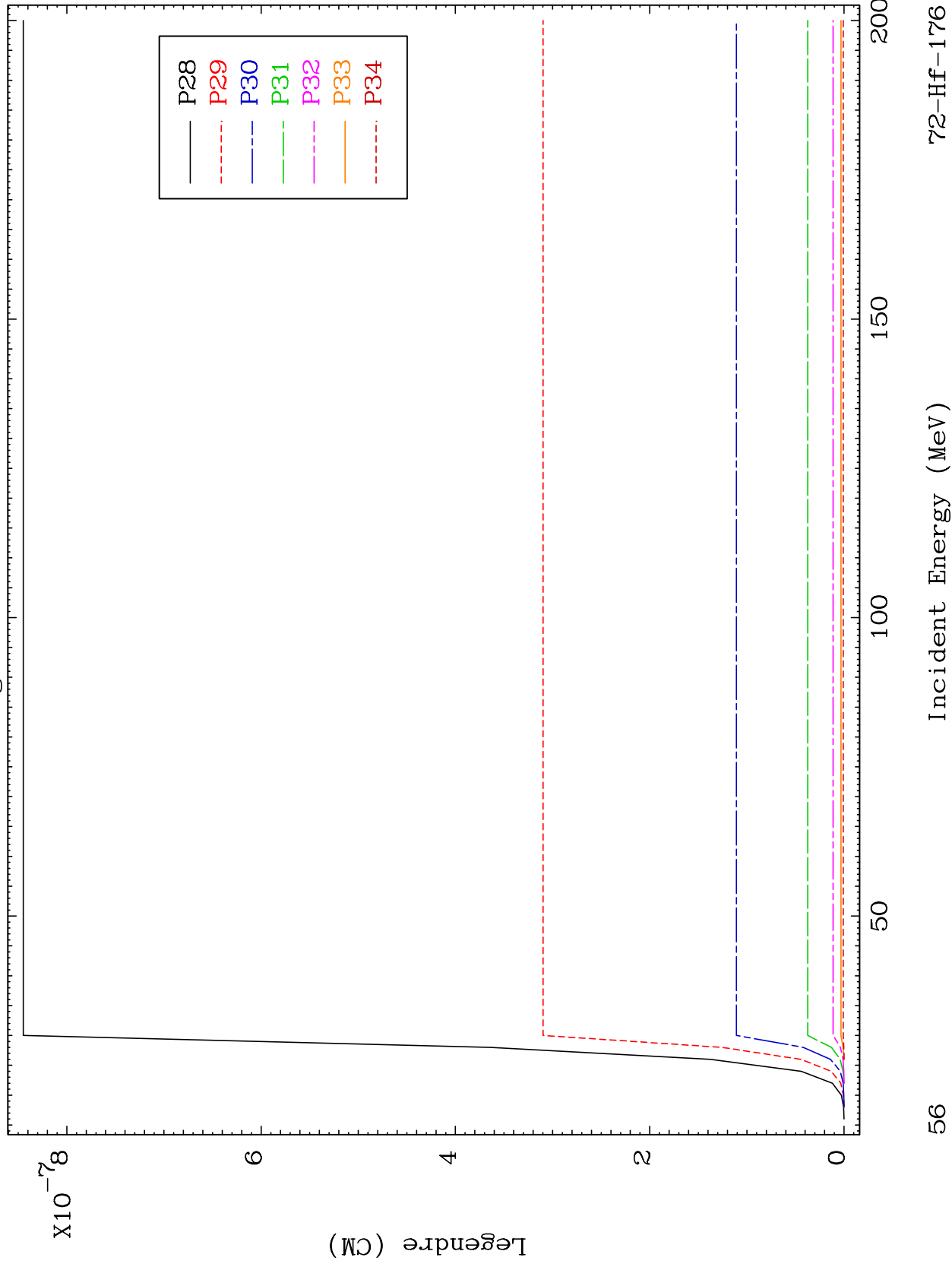
72-Hf-176



MAT 7231

1.333 MeV (n,n') Level
Legendre Coefficients

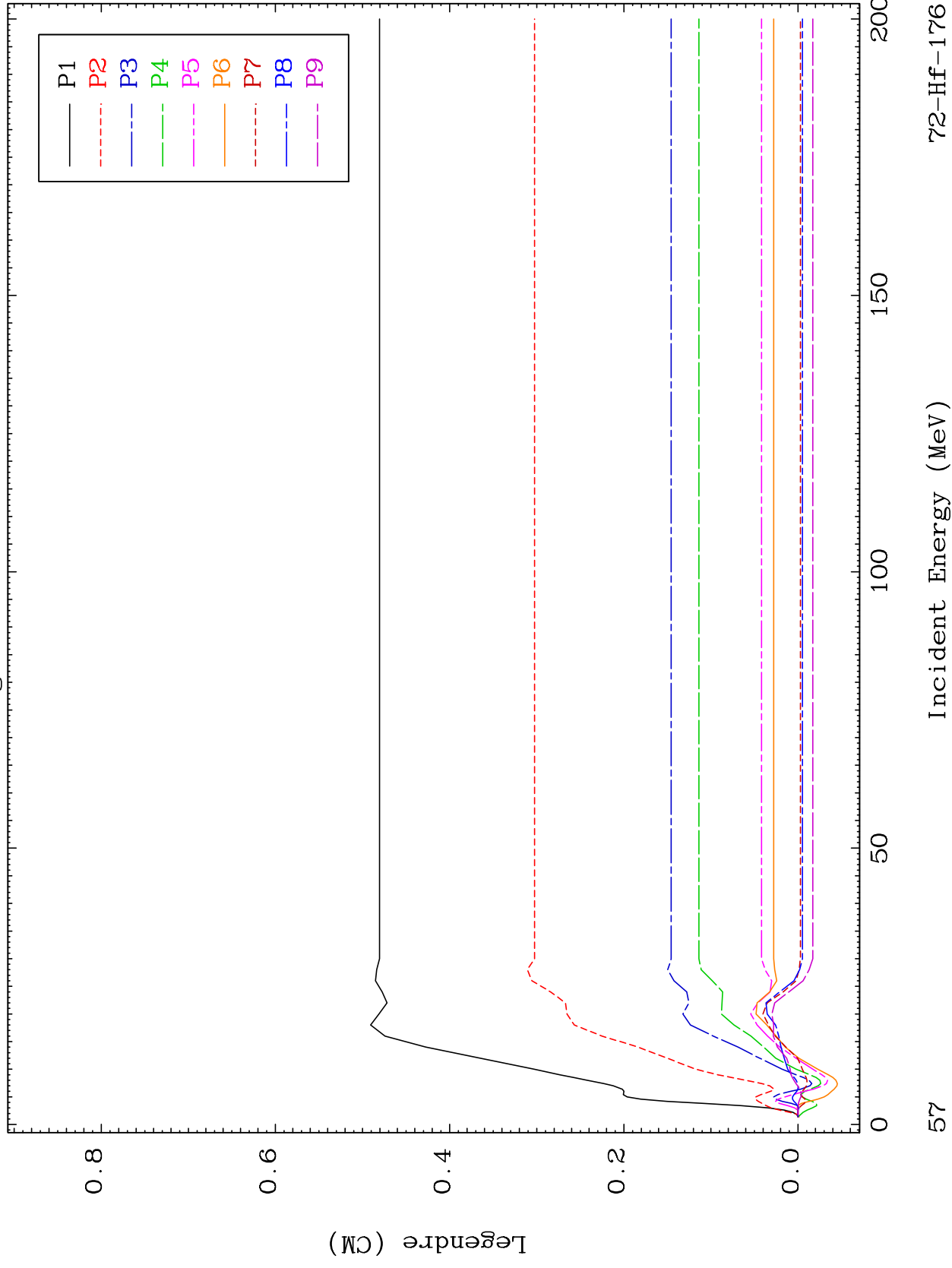
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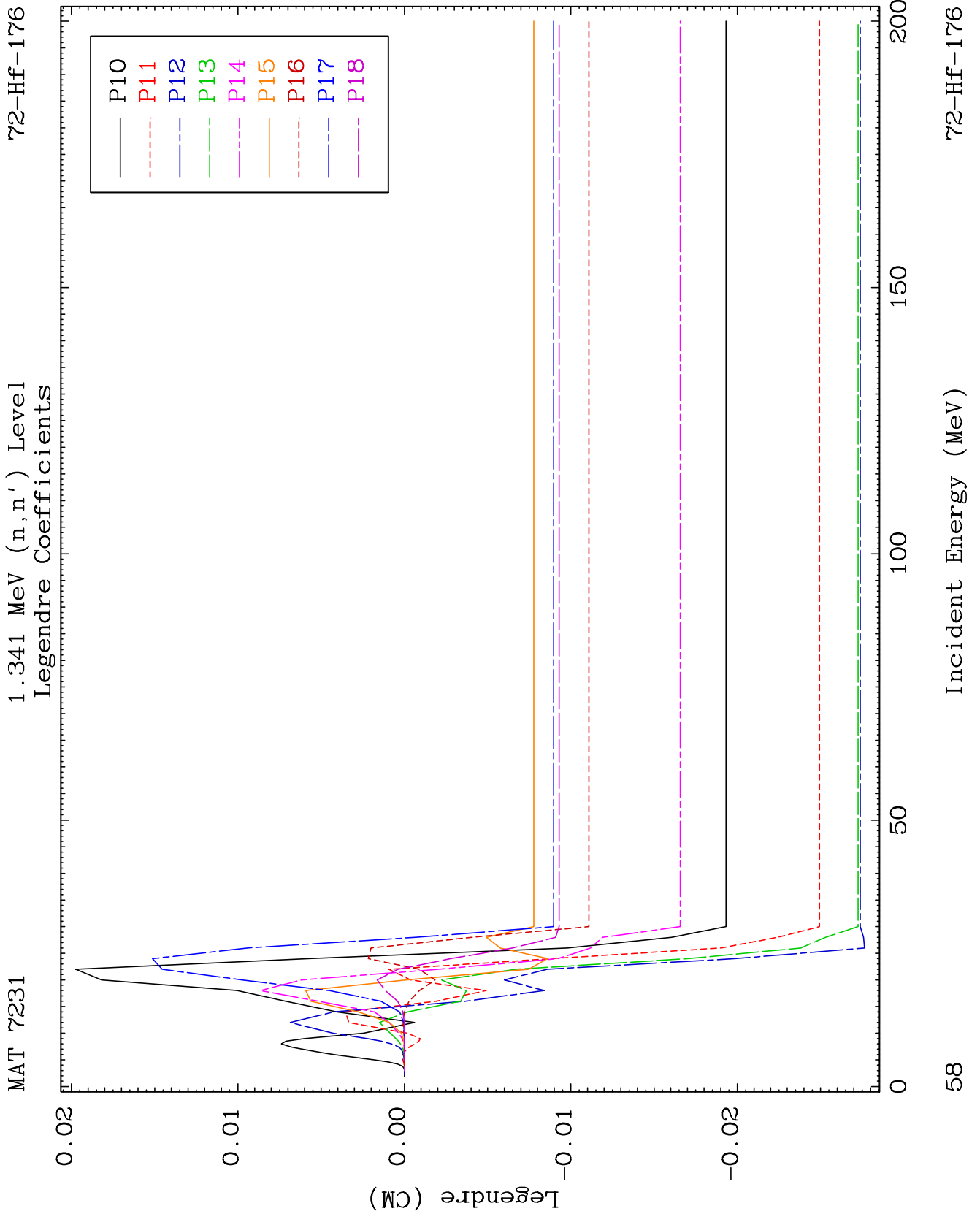


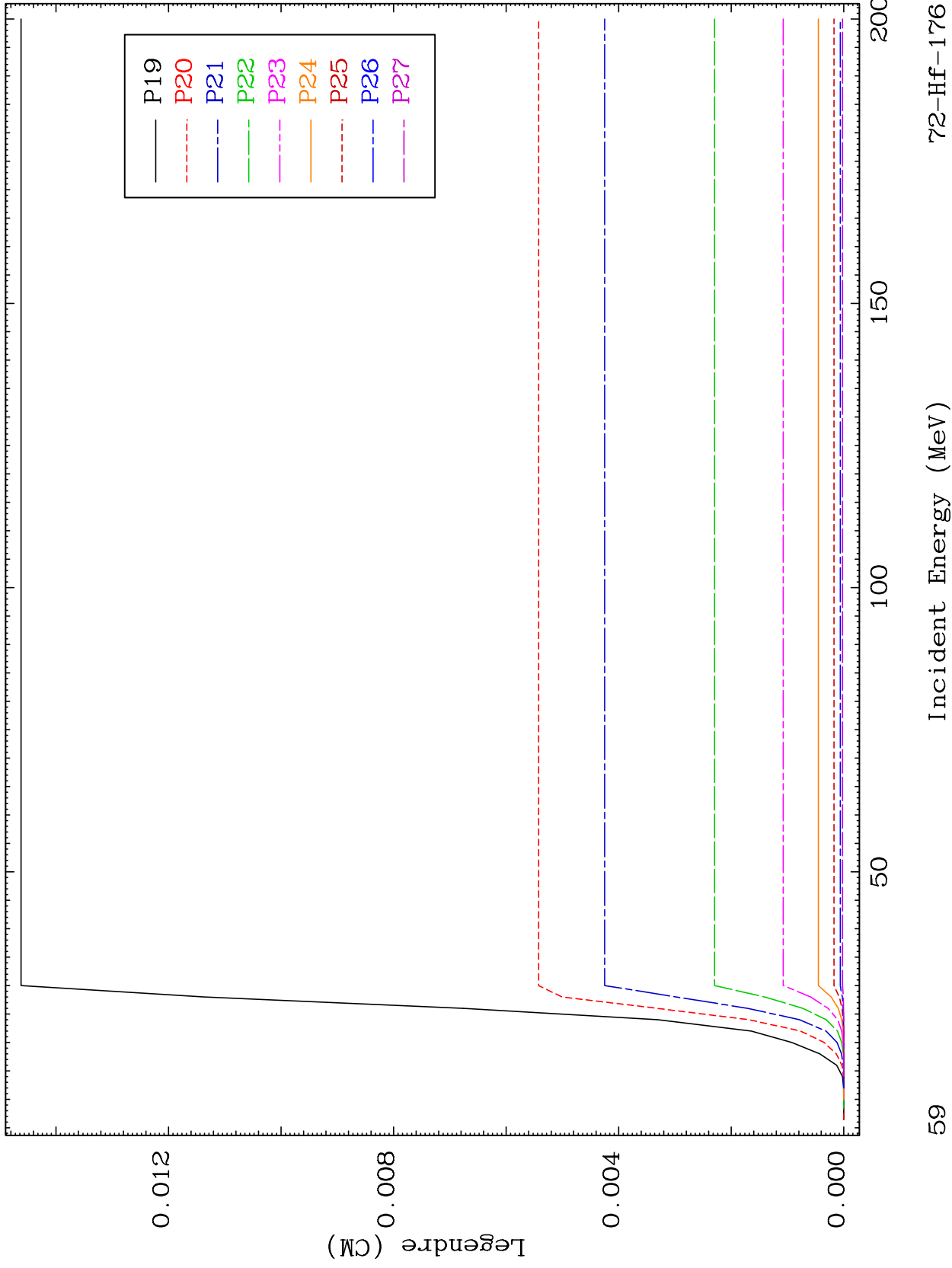
56

Incident Energy (MeV)

72-Hf-176



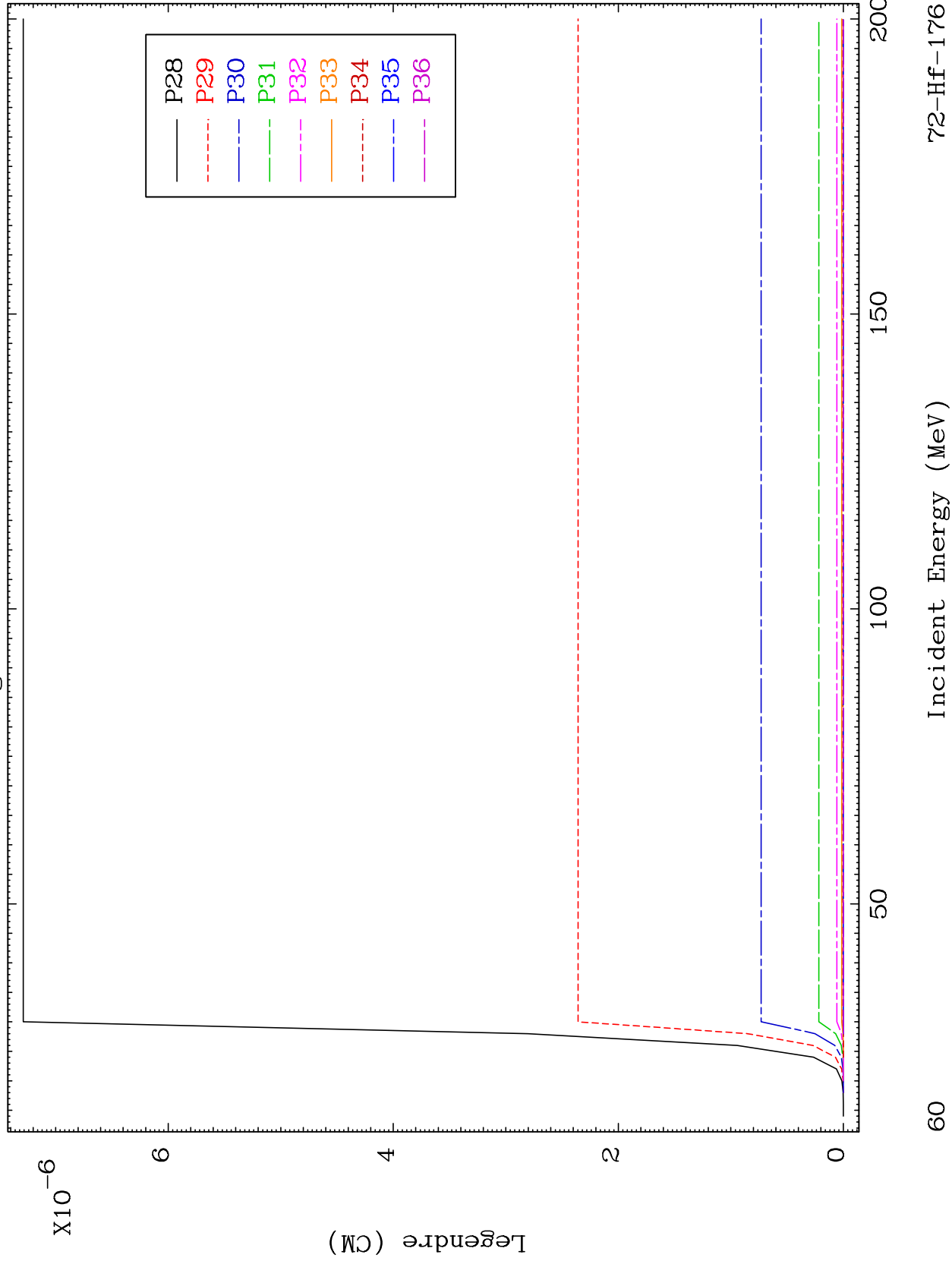




MAT 7231

1.341 MeV (n,n') Level
Legendre Coefficients

72-Hf-176

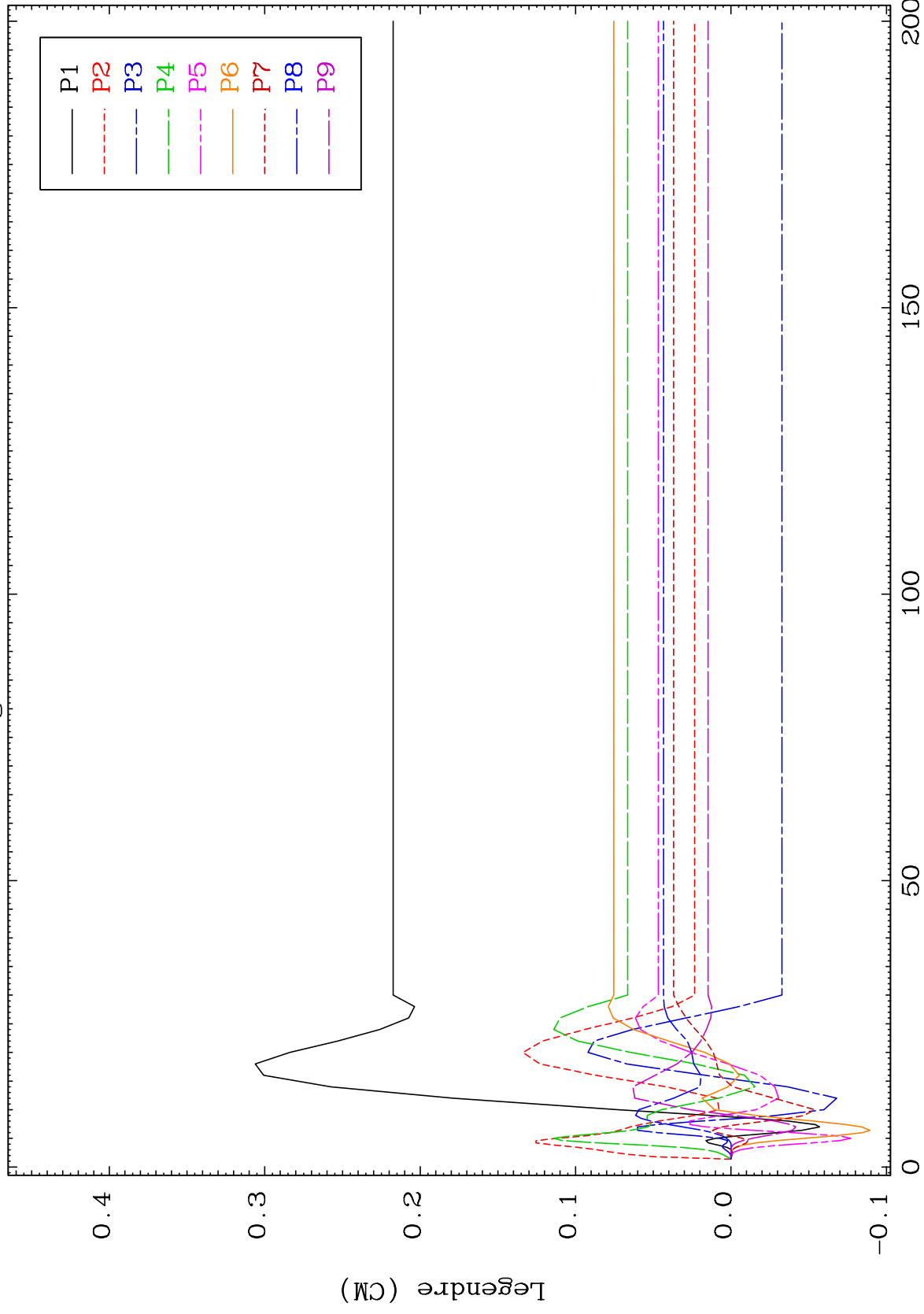


72-Hf-176

MAT 7231

1.362 MeV (n,n') Level
Legendre Coefficients

72-Hf-176



72-Hf-176

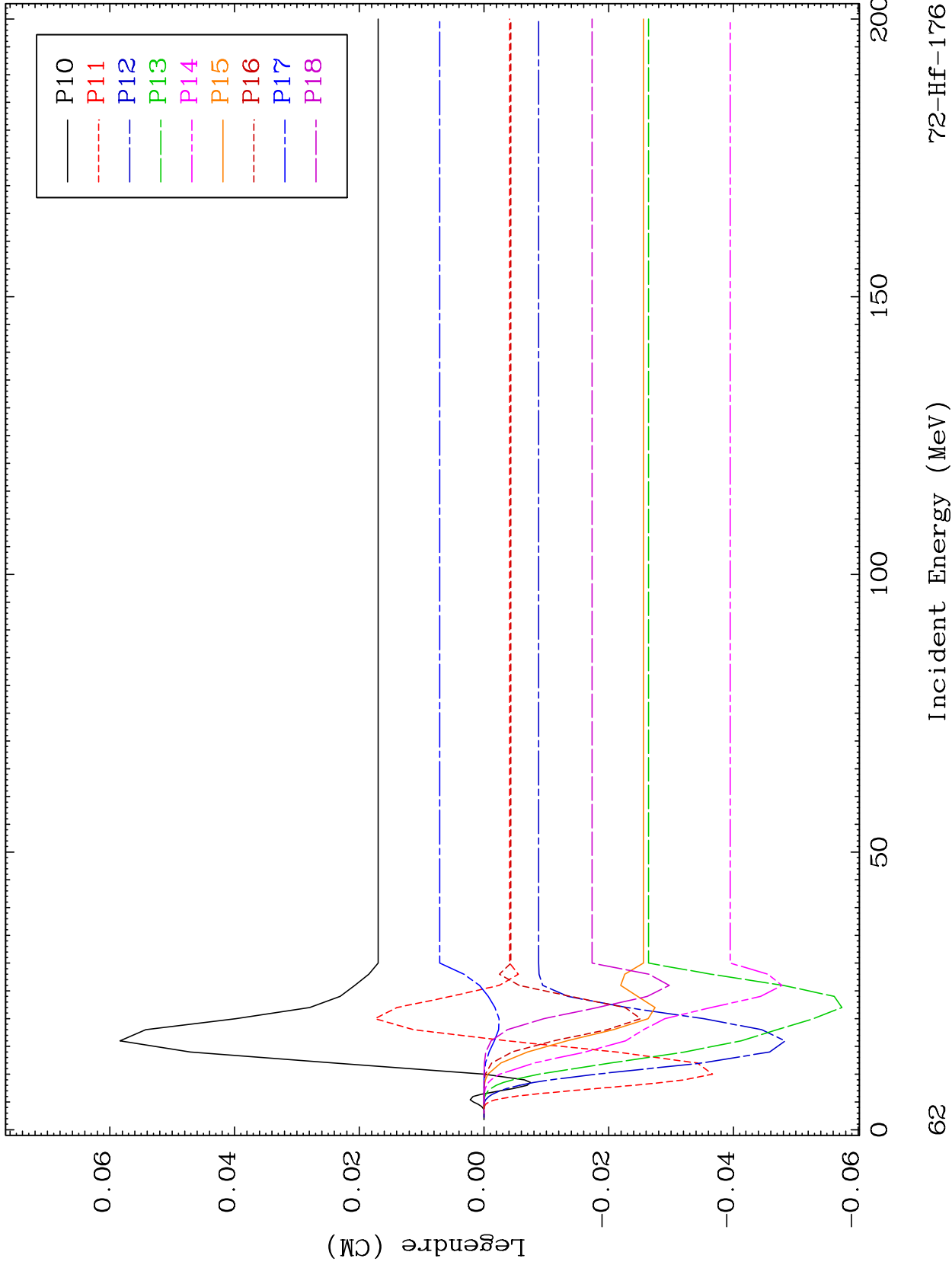
Incident Energy (MeV)

61

MAT 7231

1.362 MeV (n,n') Level
Legendre Coefficients

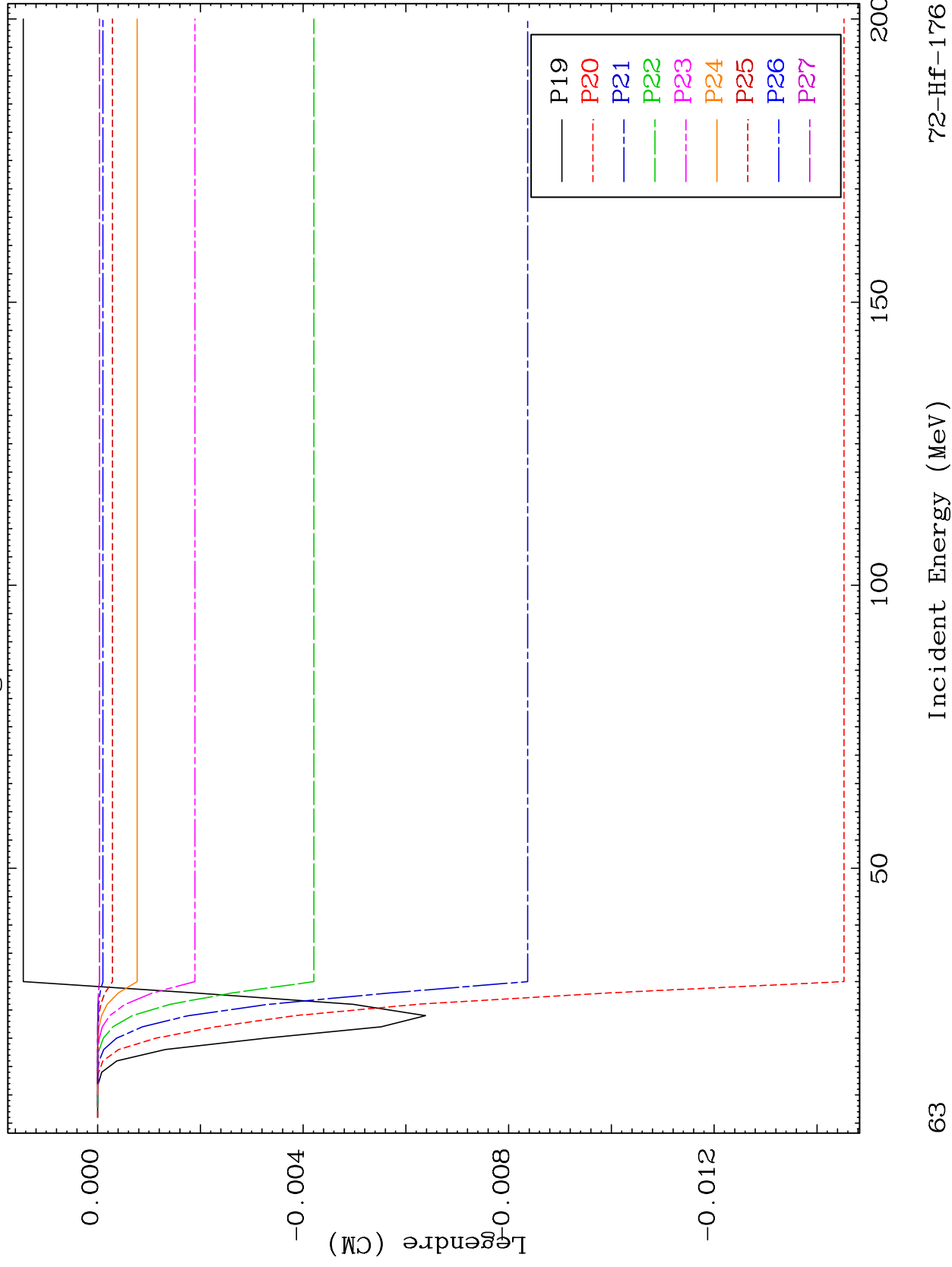
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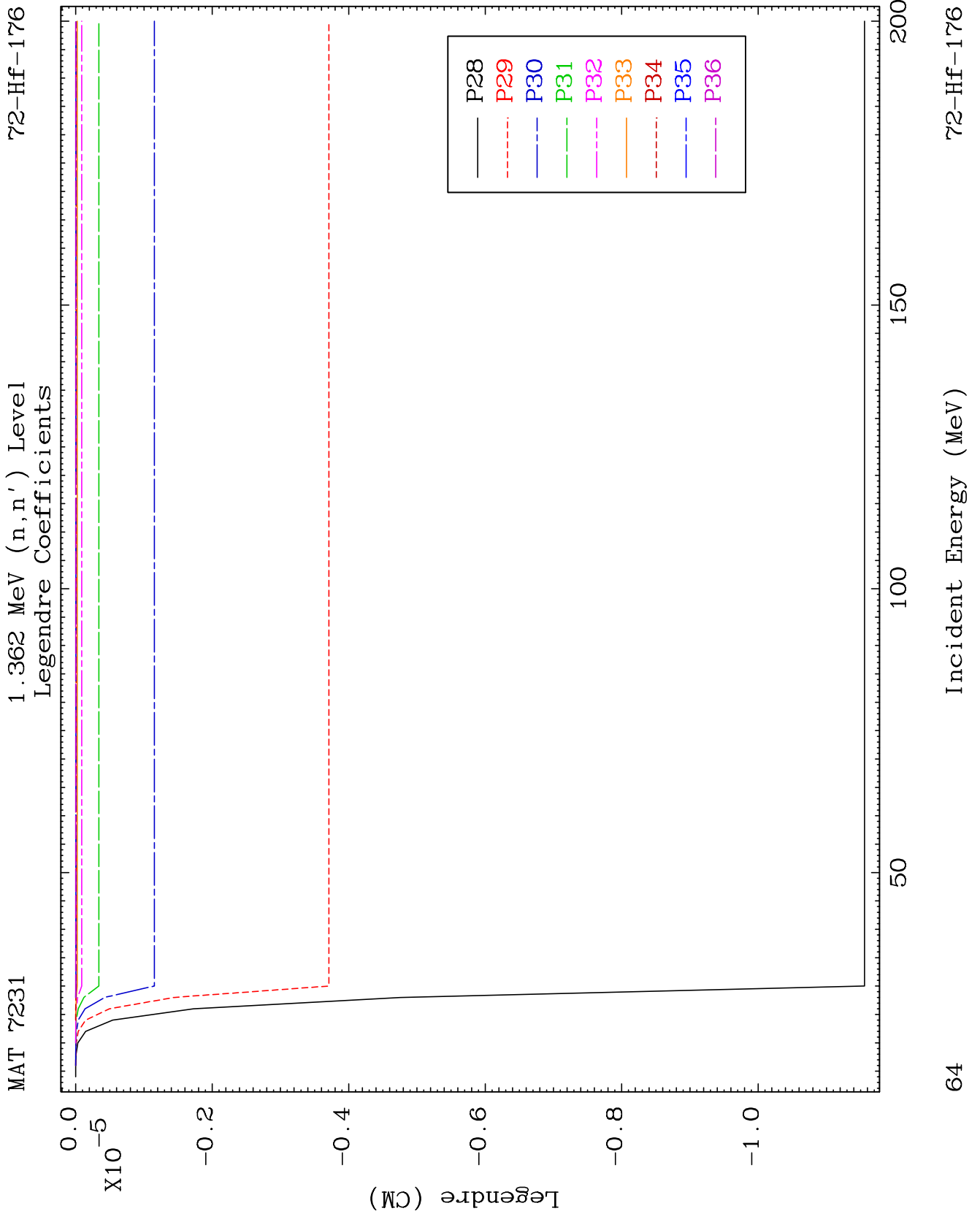


72-Hf-176

Incident Energy (MeV)

62

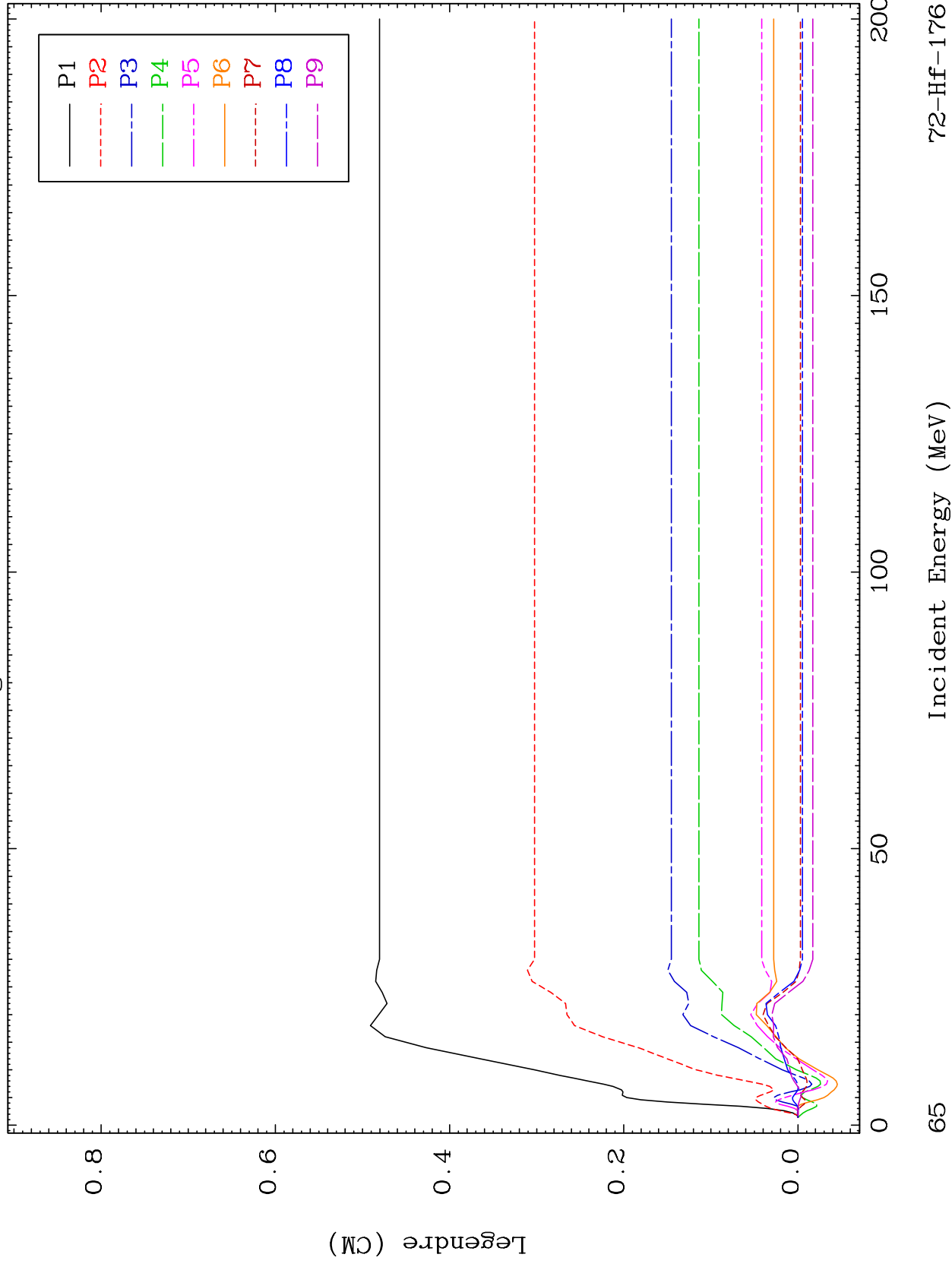




MAT 7231

1.379 MeV (n,n') Level
Legendre Coefficients

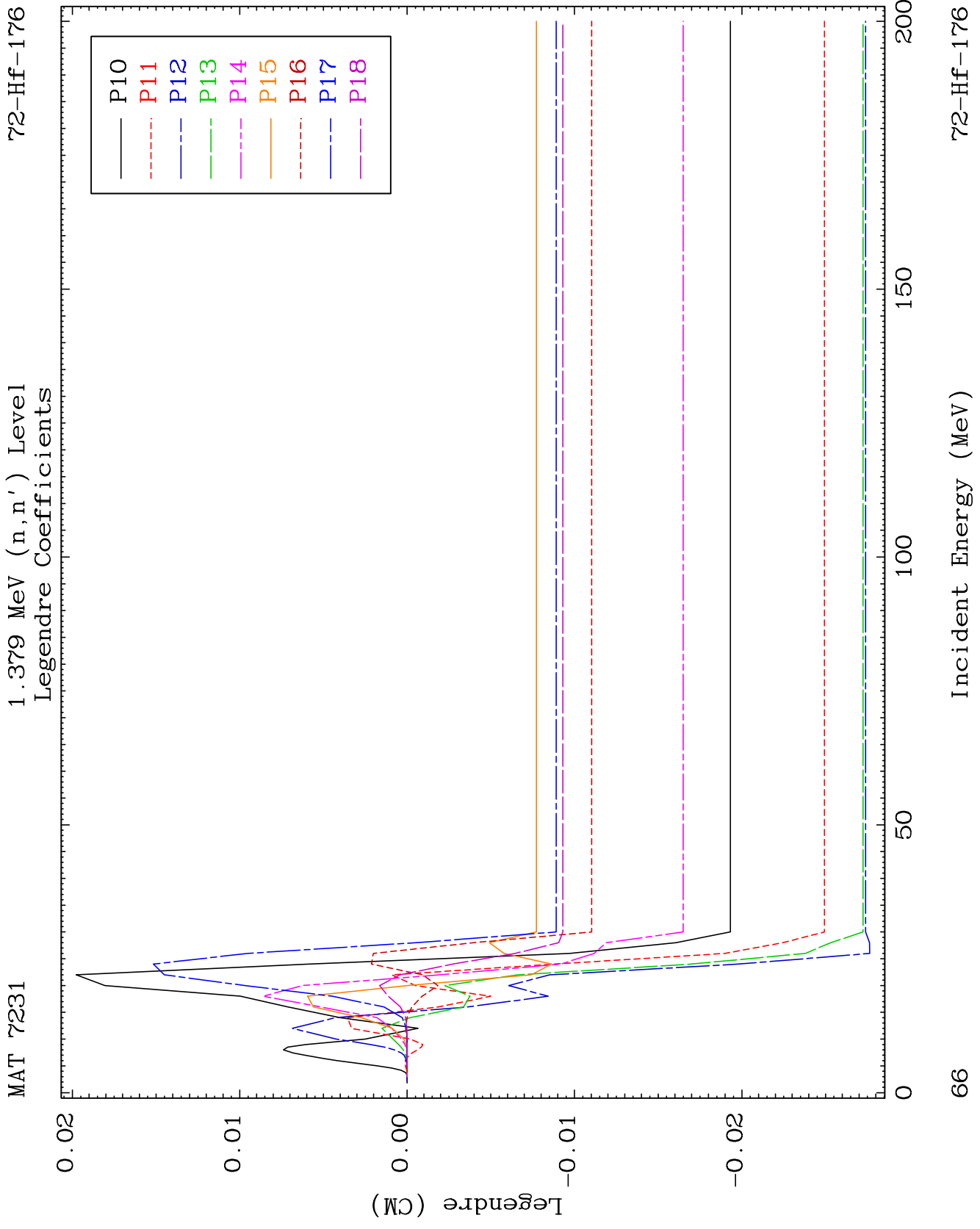
72-Hf-176



72-Hf-176

Incident Energy (MeV)

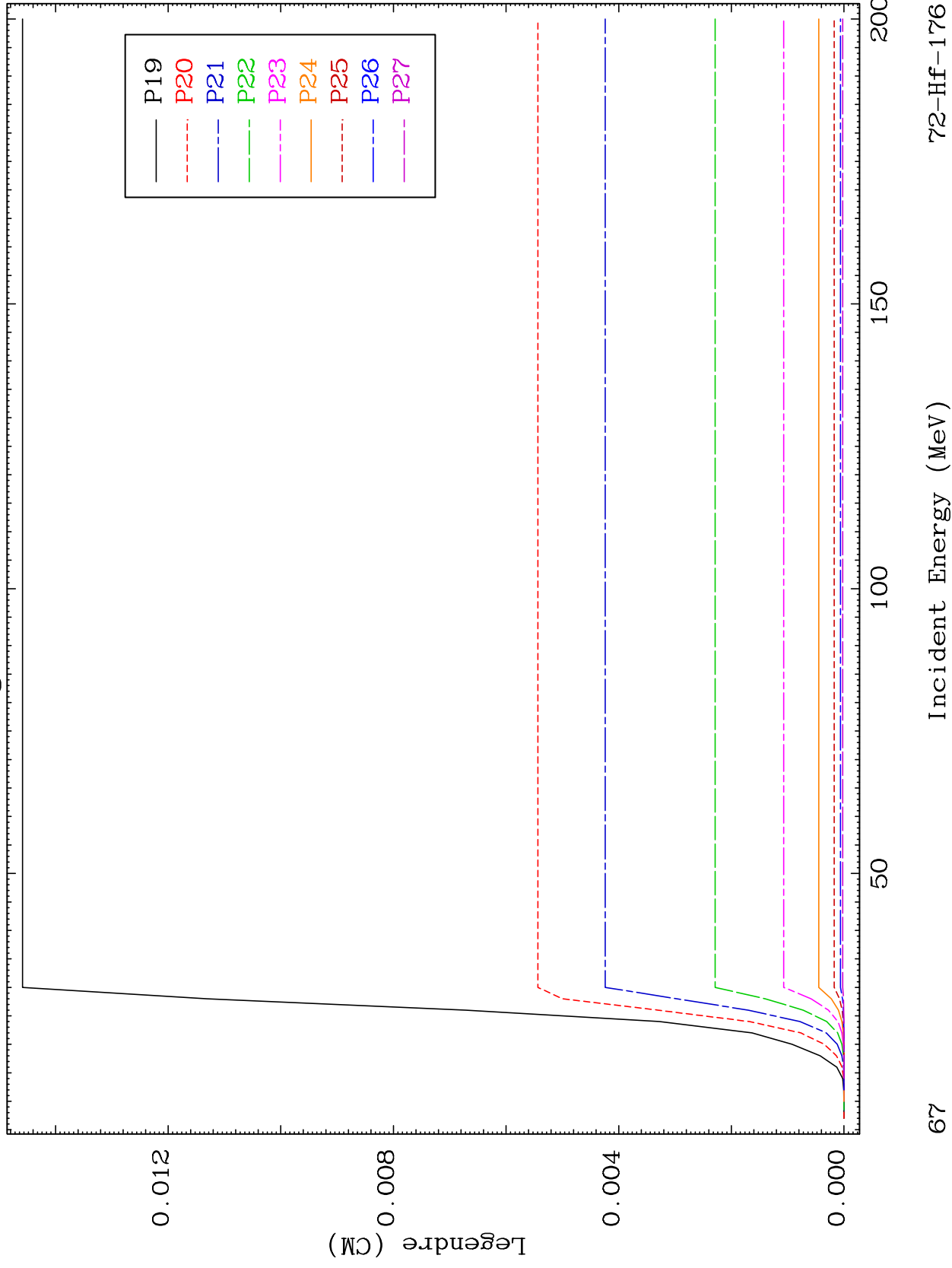
65



MAT 7231

1.379 MeV (n,n') Level
Legendre Coefficients

72-Hf-176



67

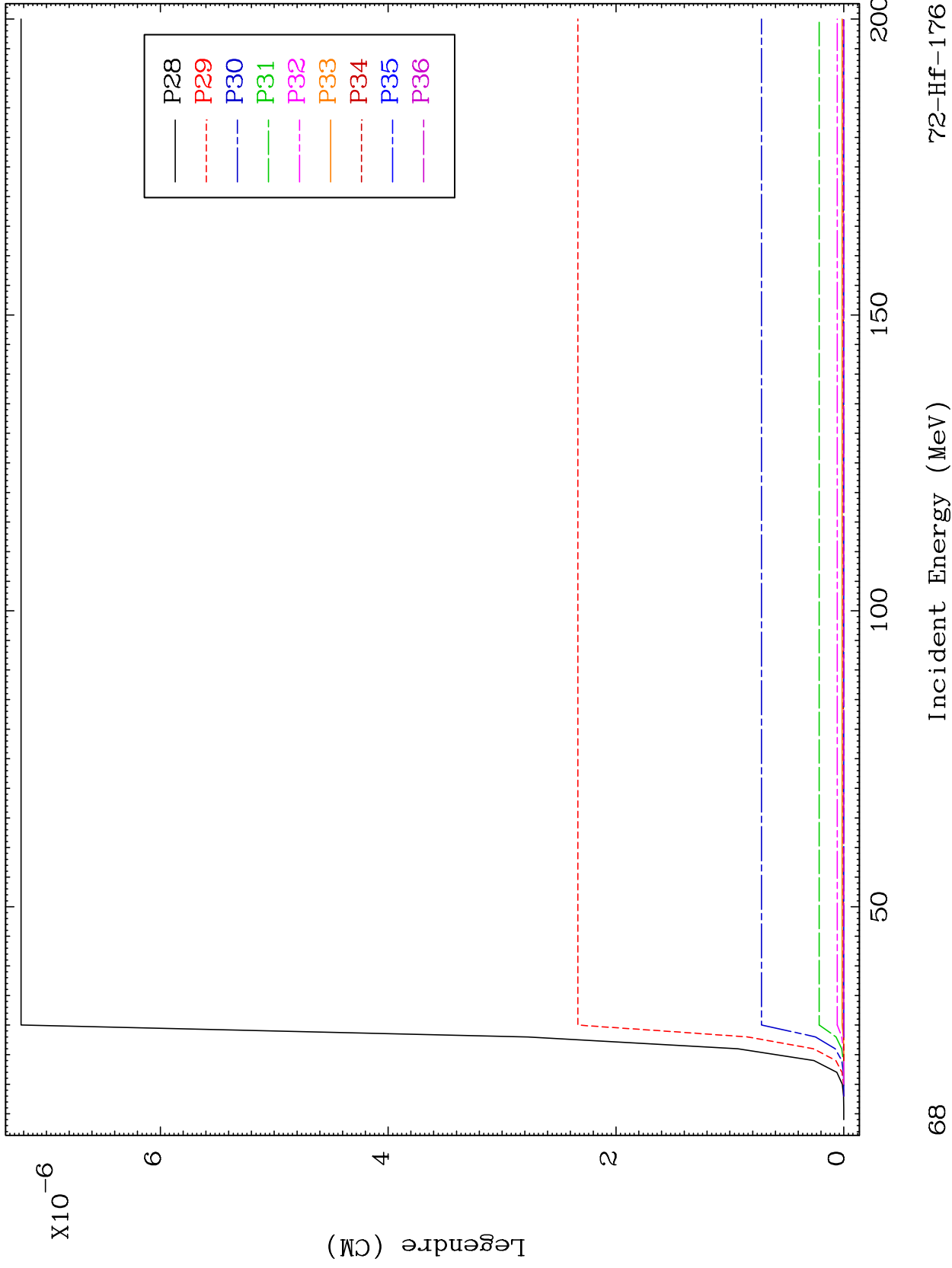
Incident Energy (MeV)

72-Hf-176

MAT 7231

1.379 MeV (n,n') Level
Legendre Coefficients

72-Hf-176



68

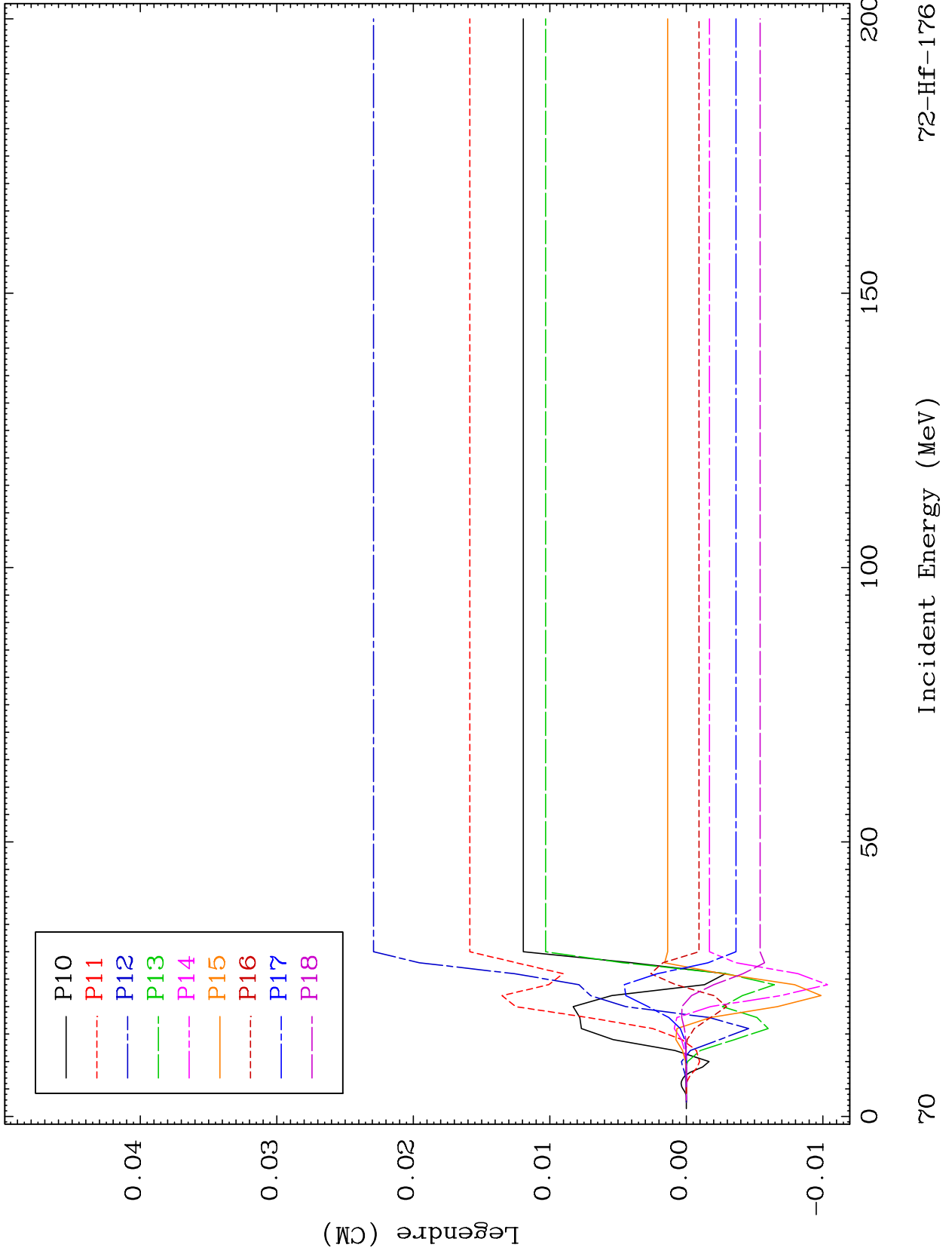
Incident Energy (MeV)

72-Hf-176

MAT 7231

1.390 MeV (n,n') Level
Legendre Coefficients

72-Hf-176



72-Hf-176

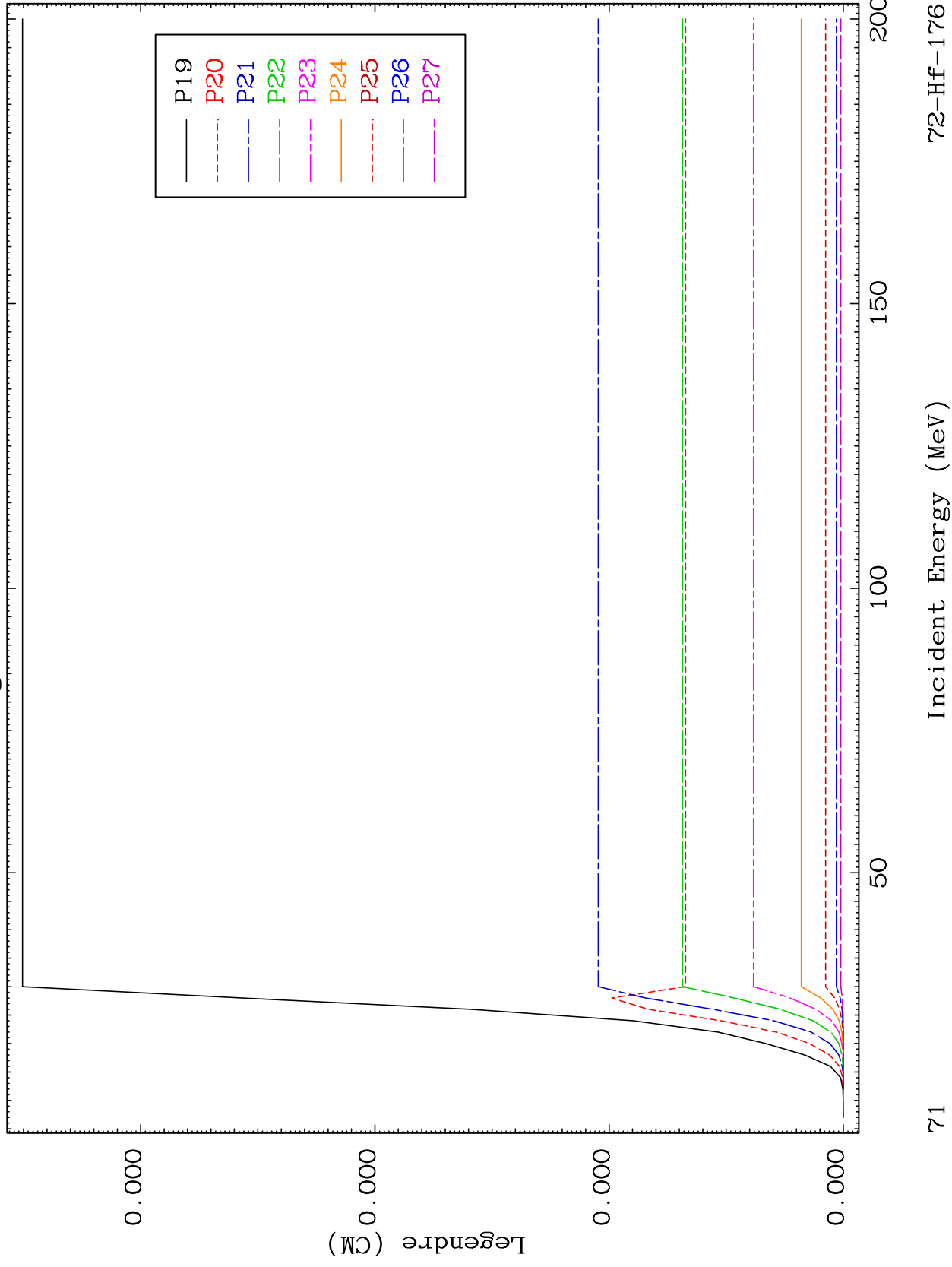
Incident Energy (MeV)

70

MAT 7231

1.390 MeV (n,n') Level
Legendre Coefficients

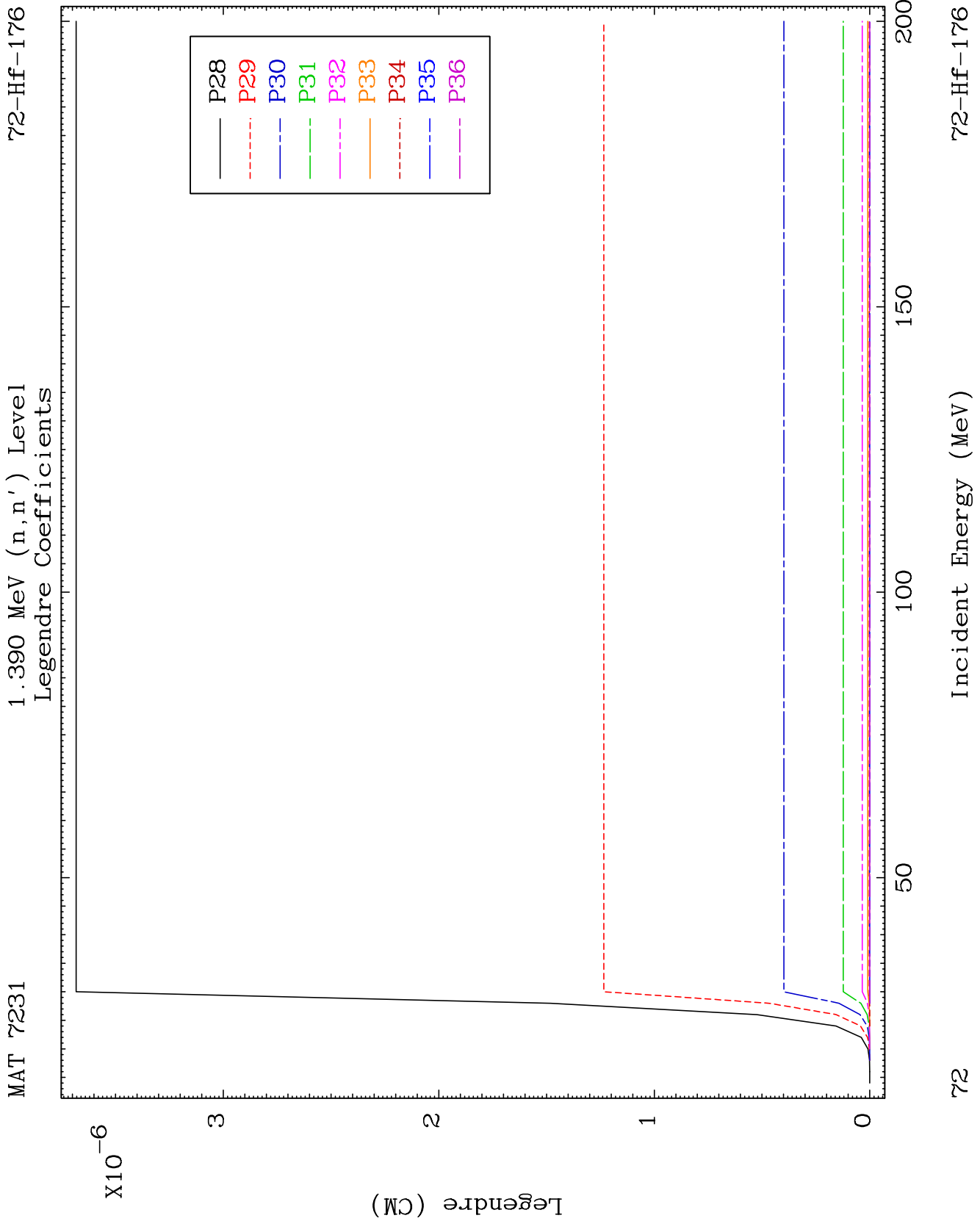
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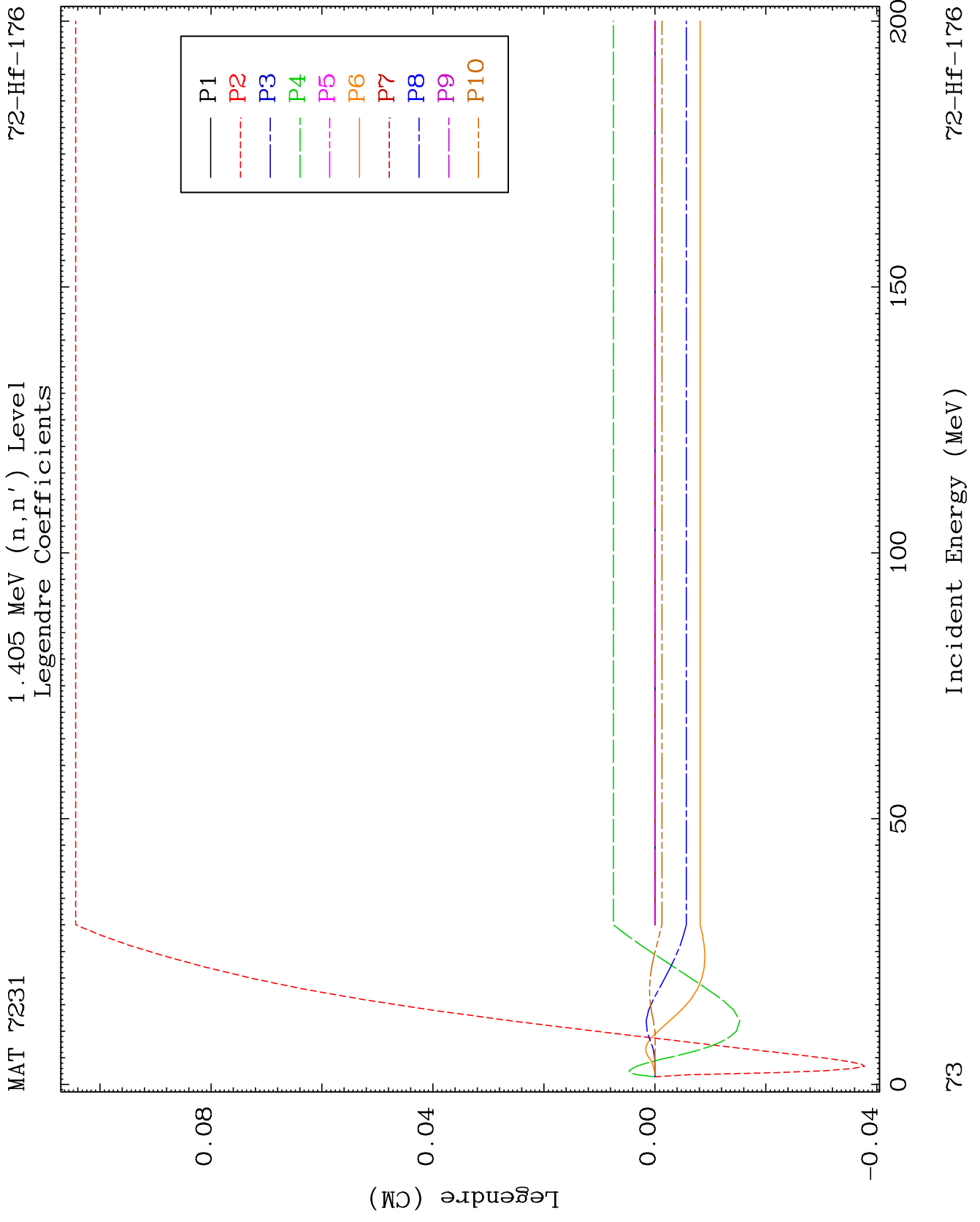


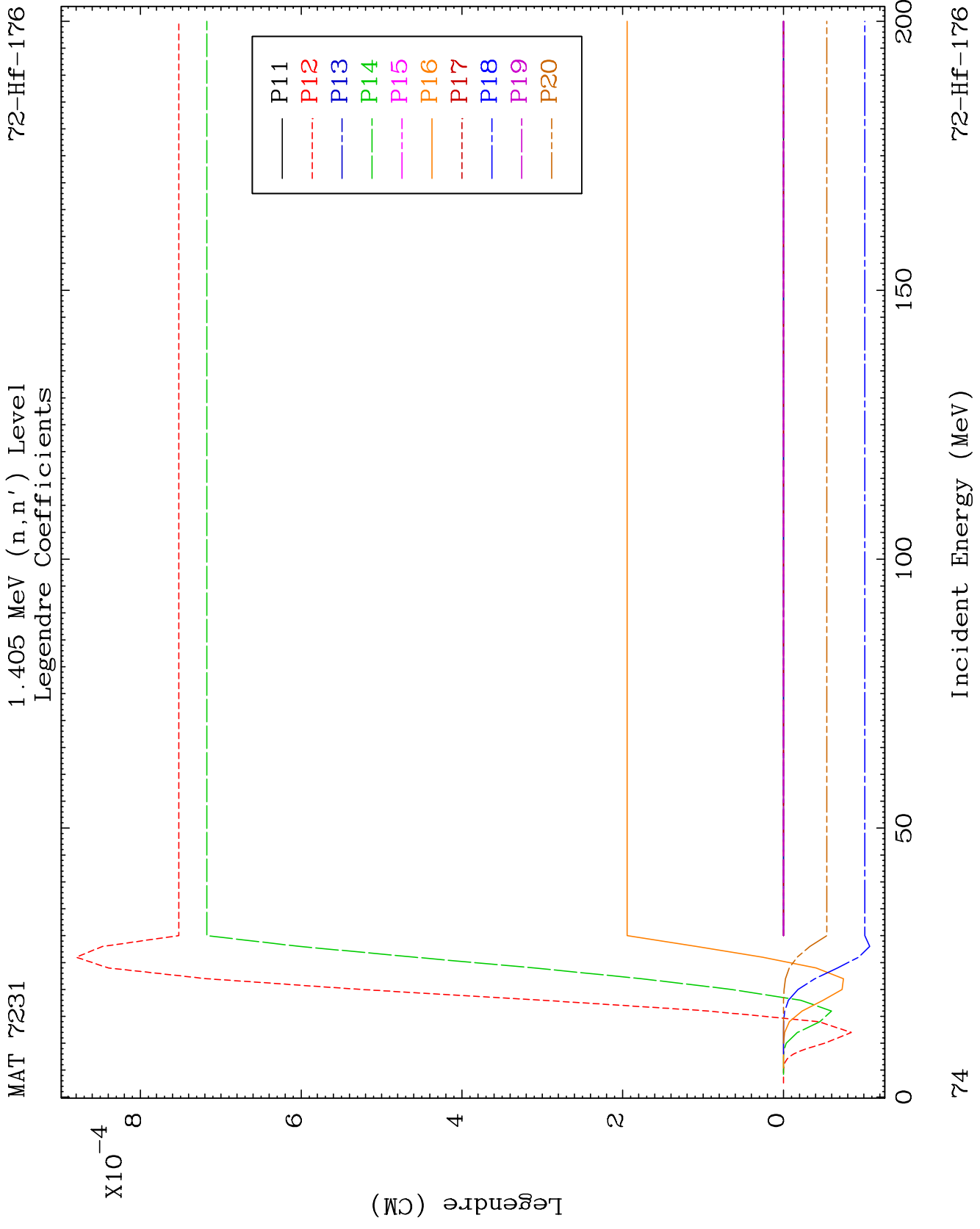
71

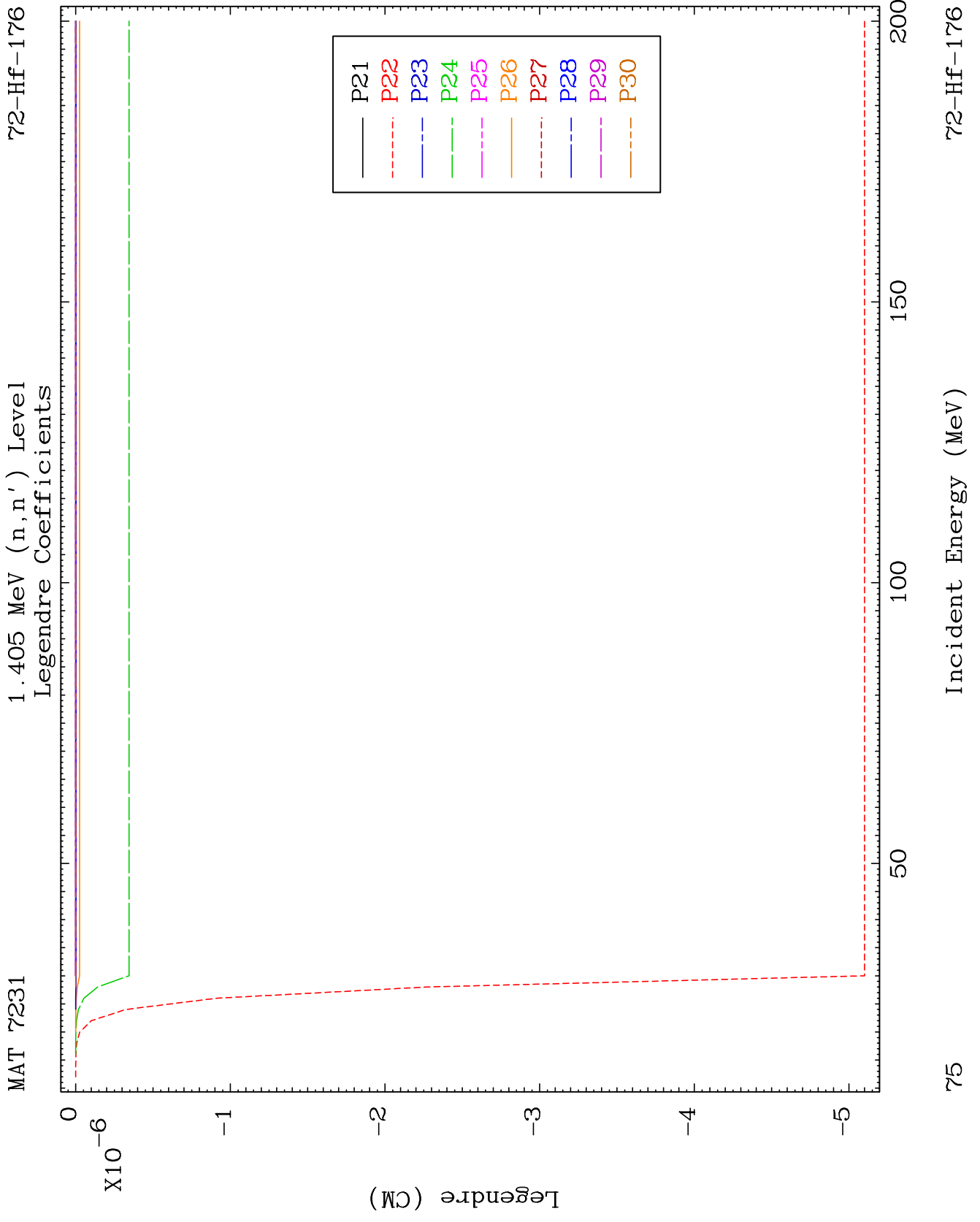
Incident Energy (MeV)

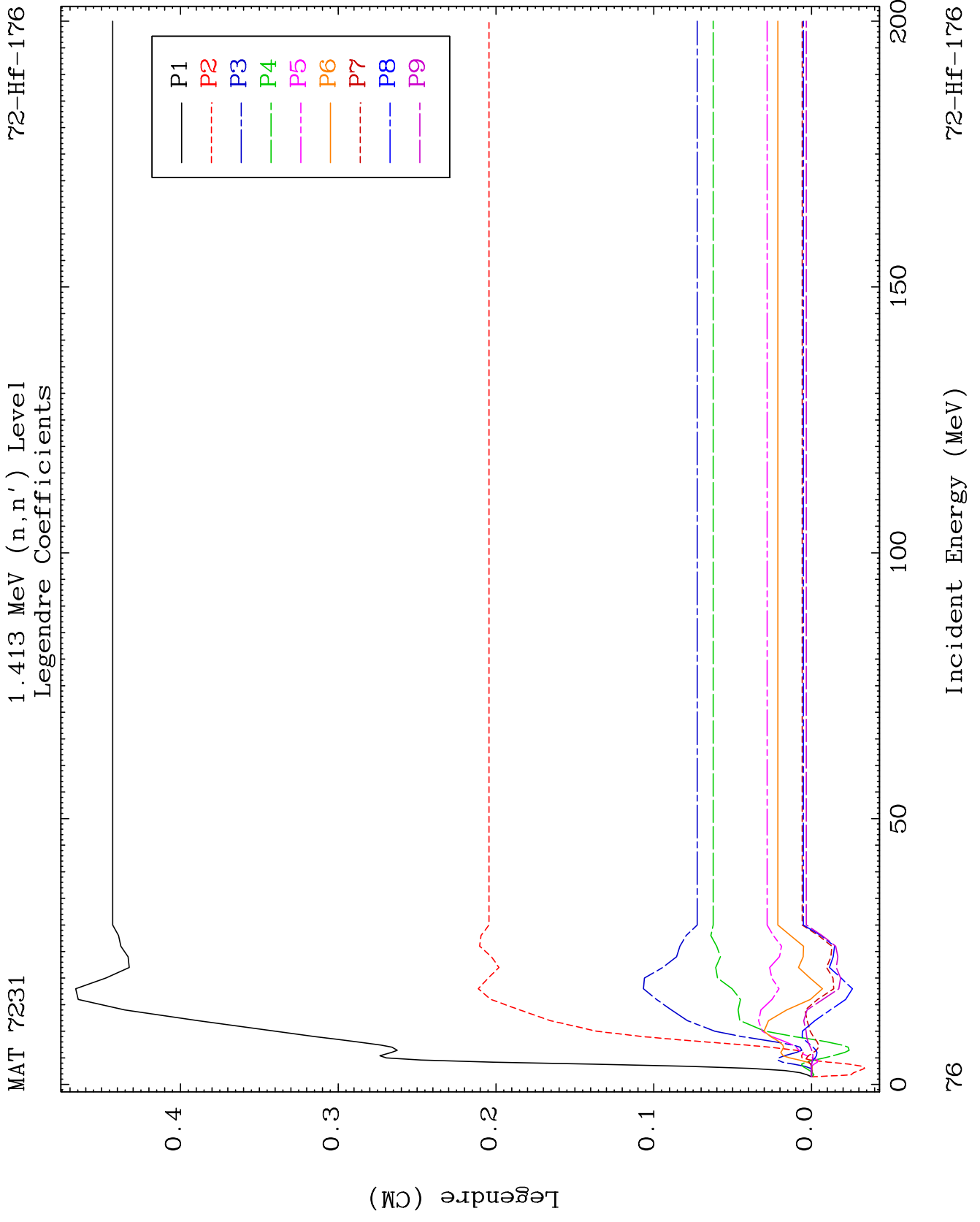
72-Hf-176

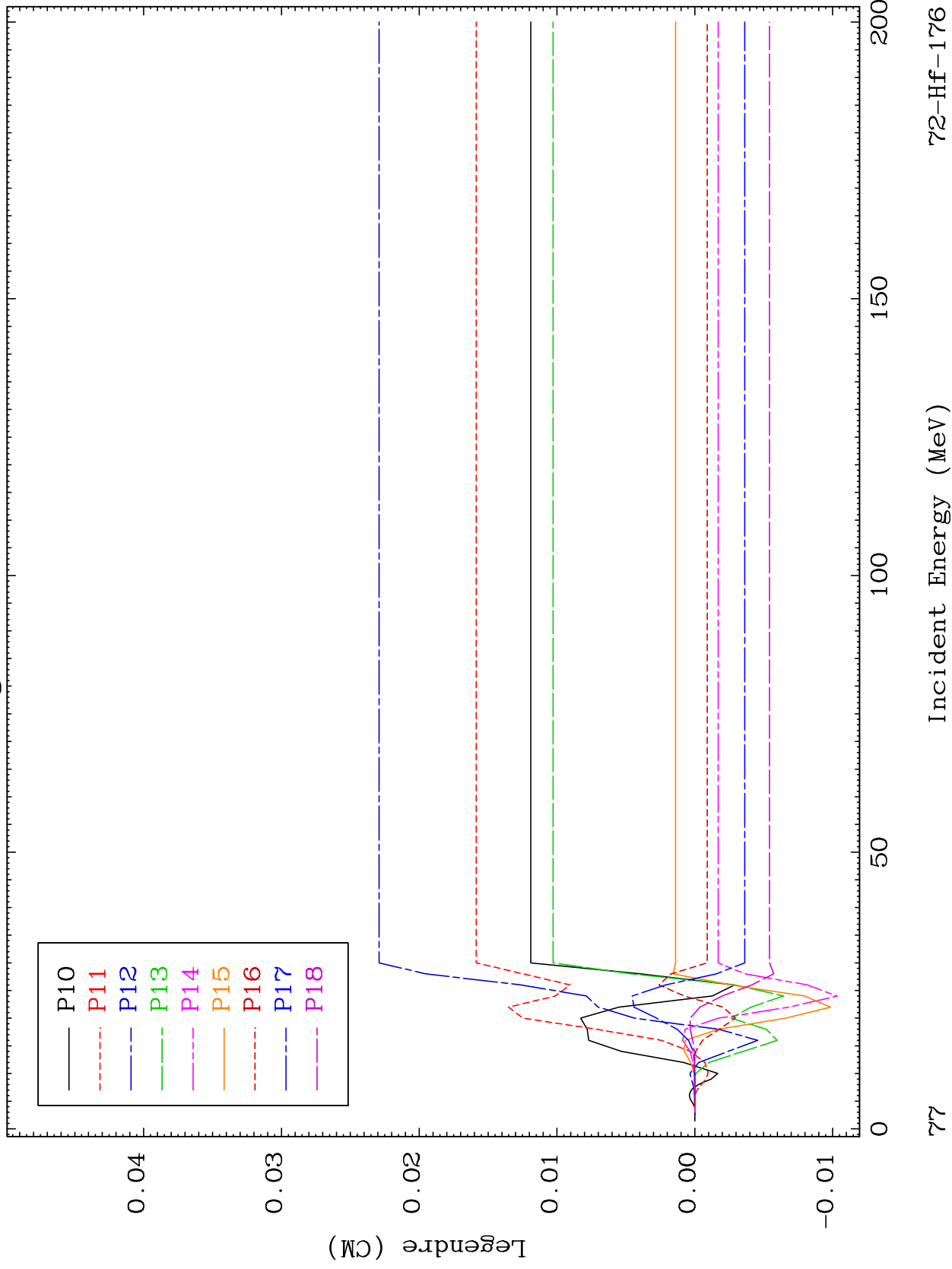


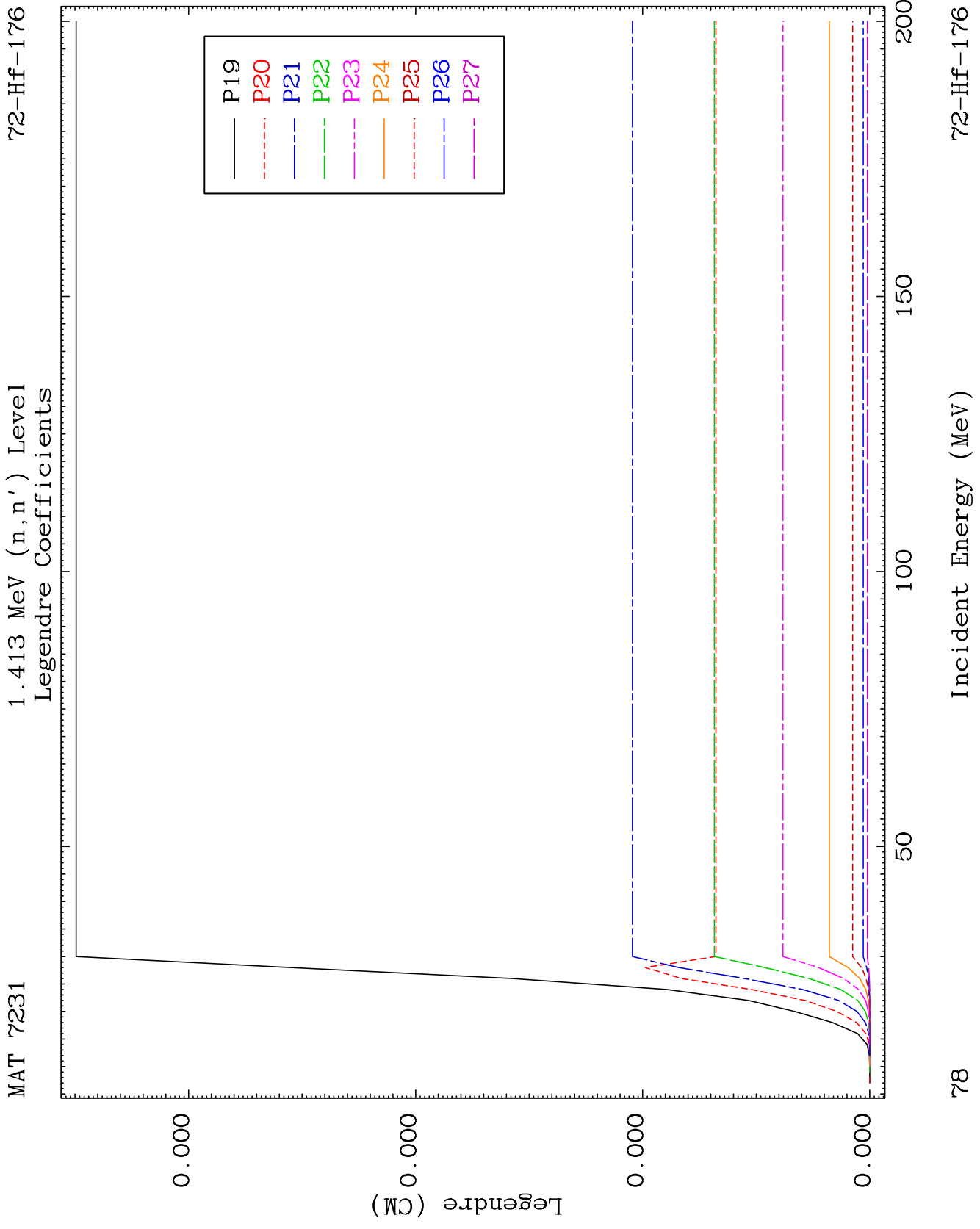








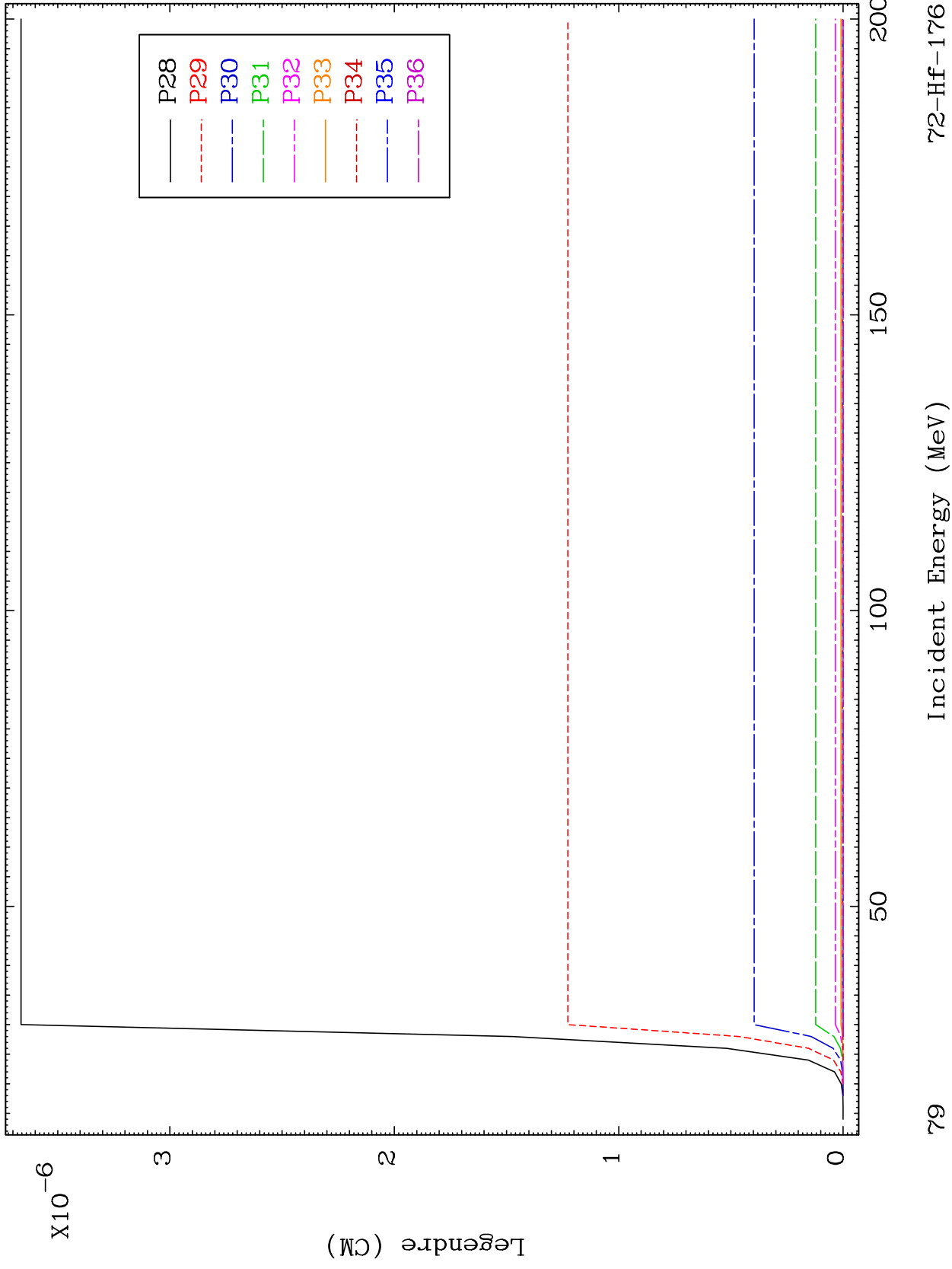




MAT 7231

1.413 MeV (n,n') Level
Legendre Coefficients

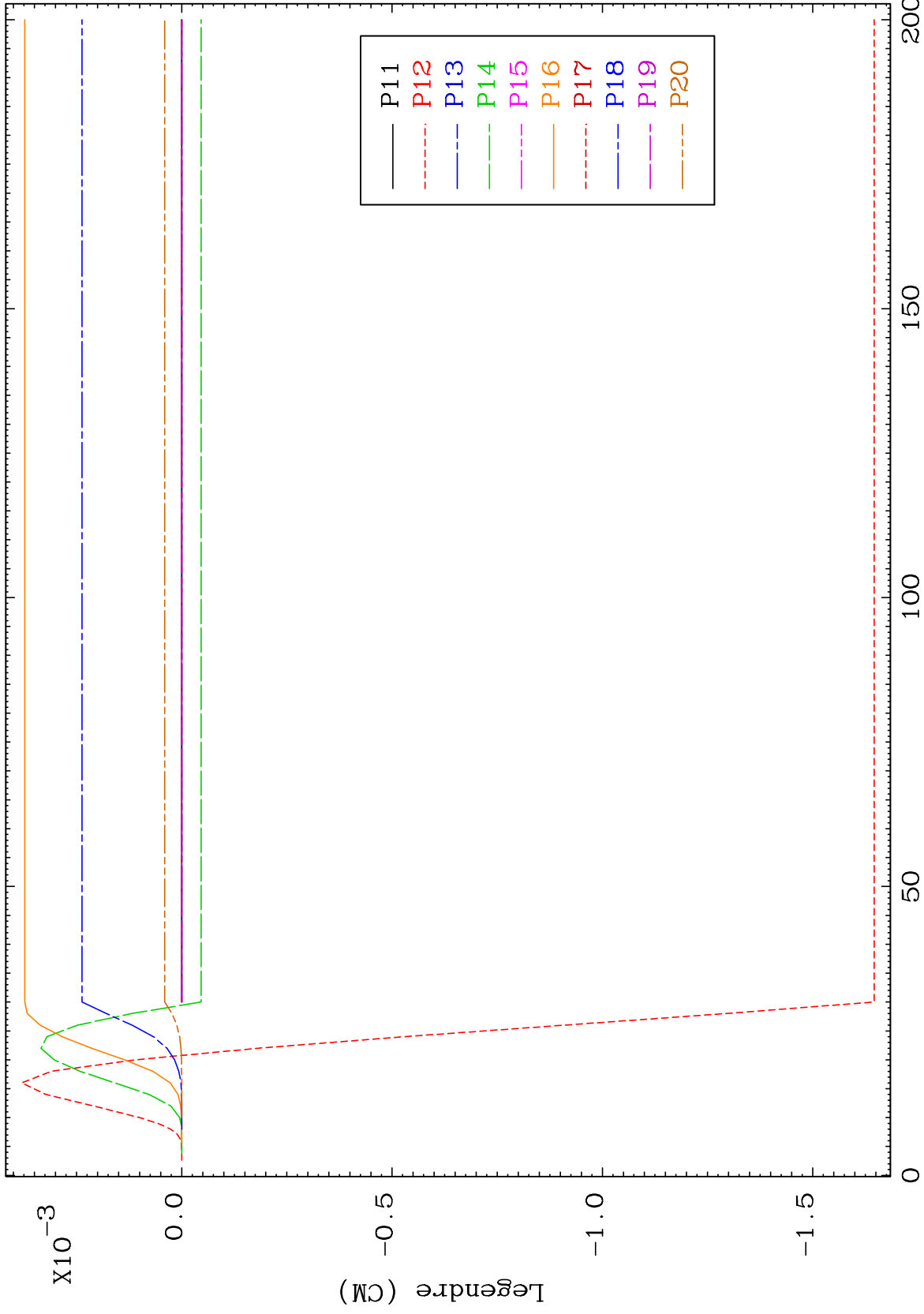
72-Hf-176

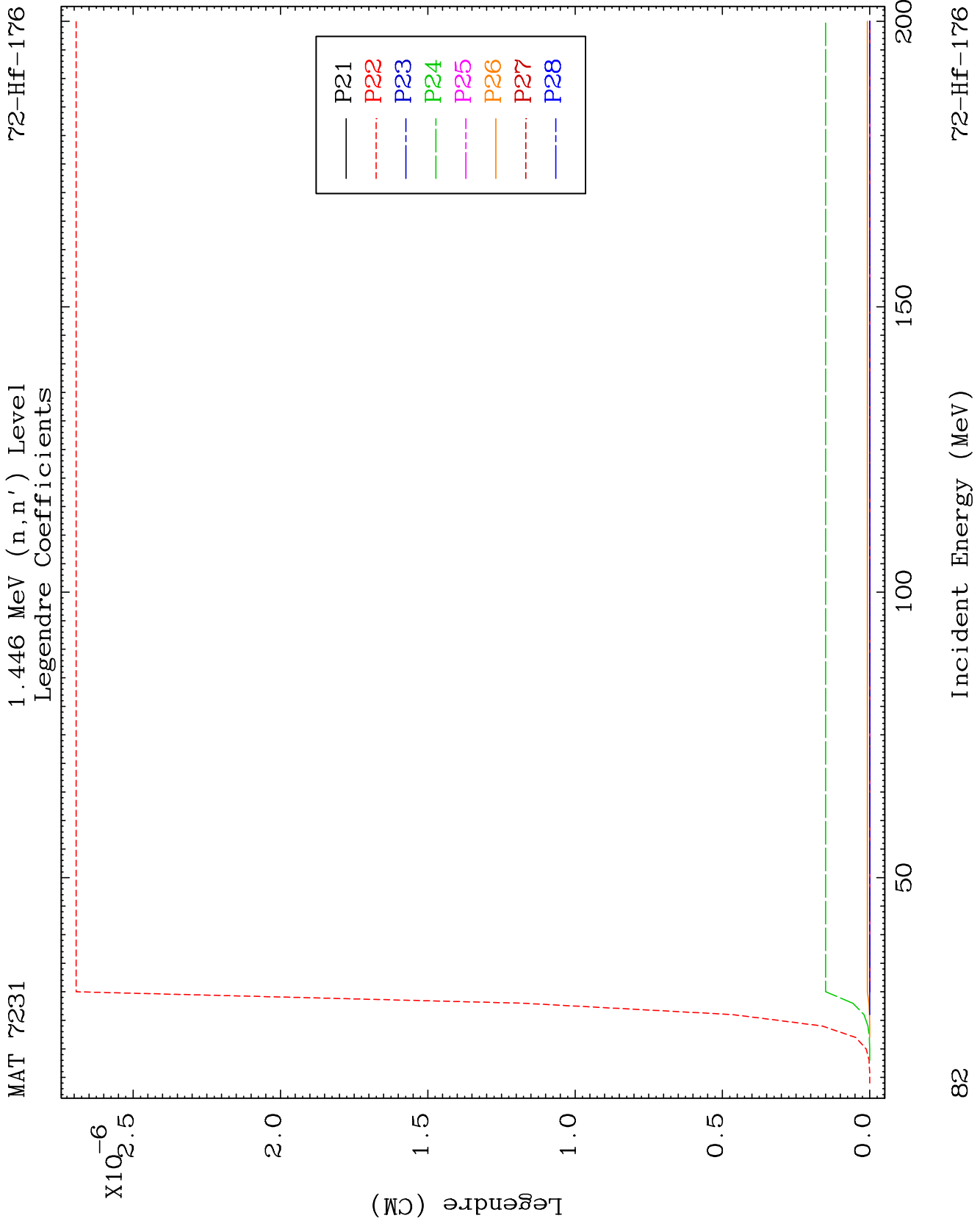


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Incident Energy (MeV)

72-Hf-176

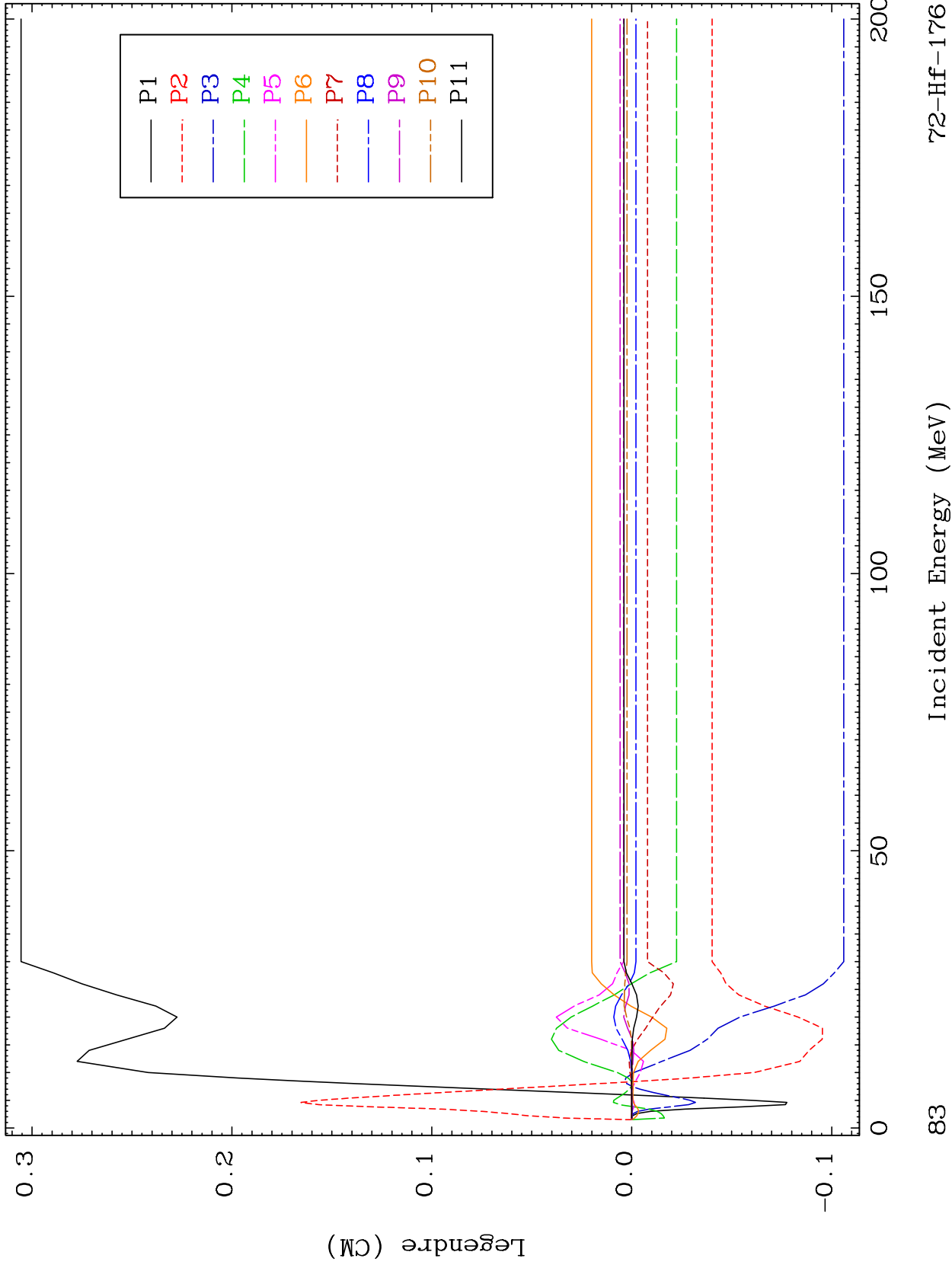




MAT 7231

1.481 MeV (n,n') Level
Legendre Coefficients

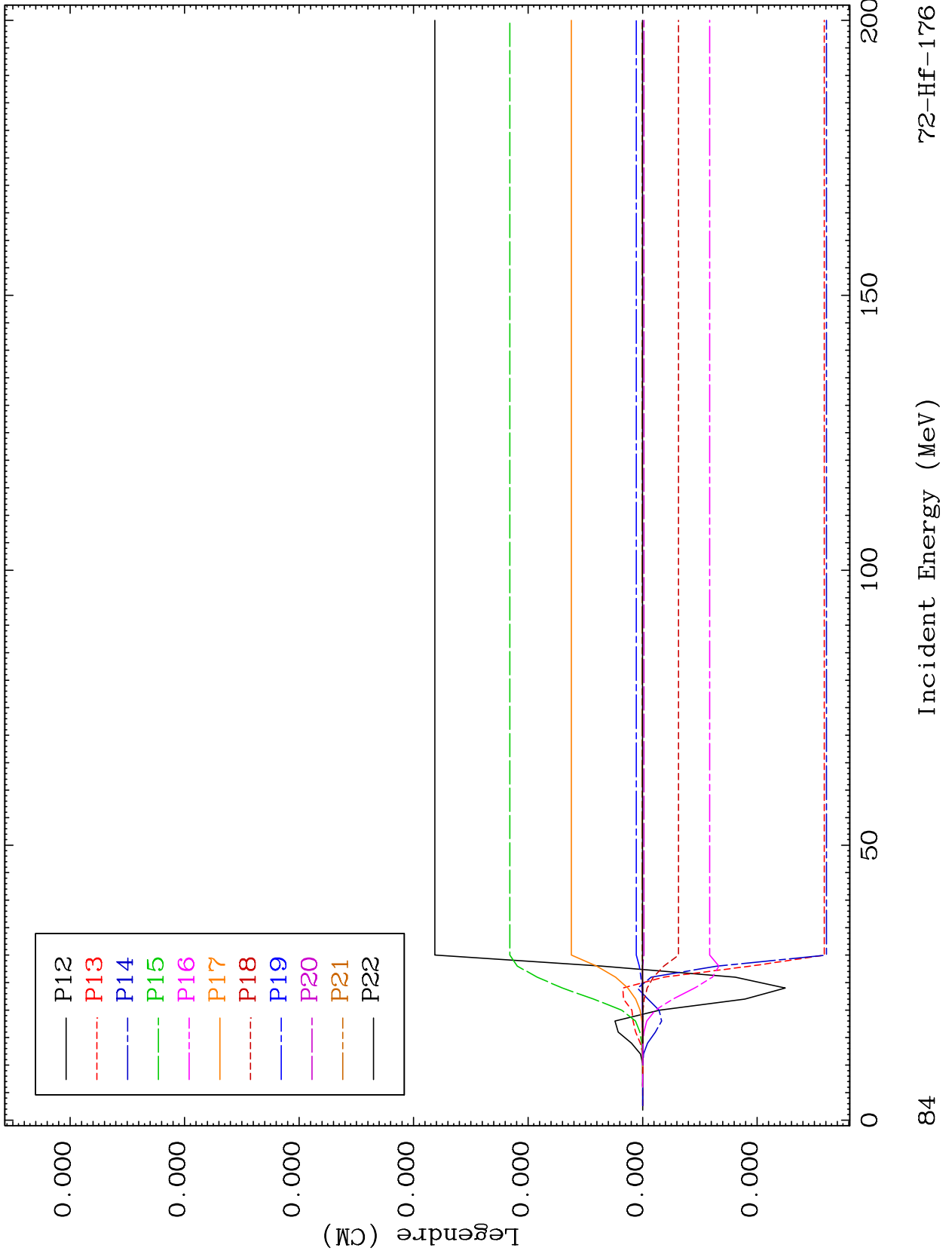
72-Hf-176

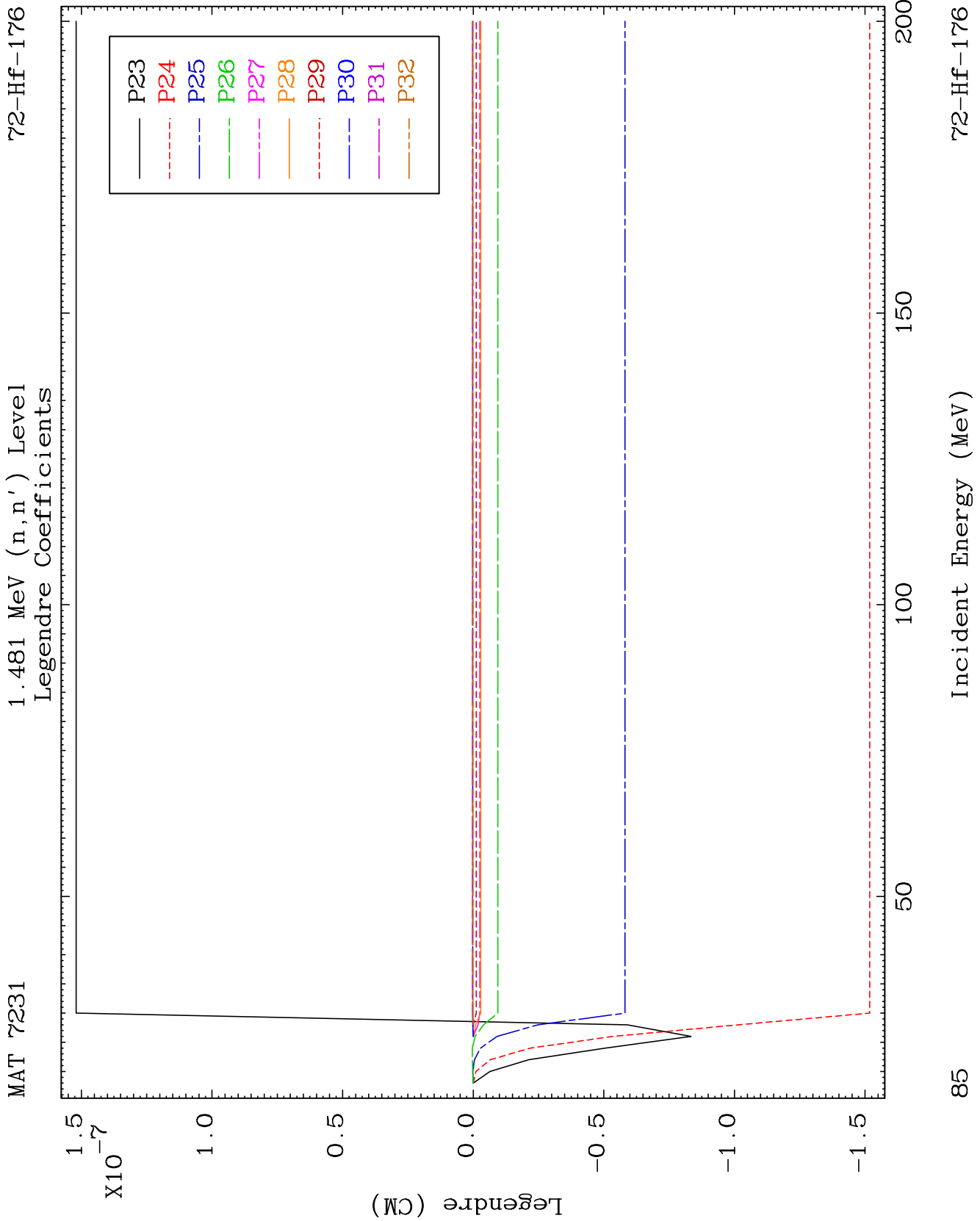


83

Incident Energy (MeV)

72-Hf-176

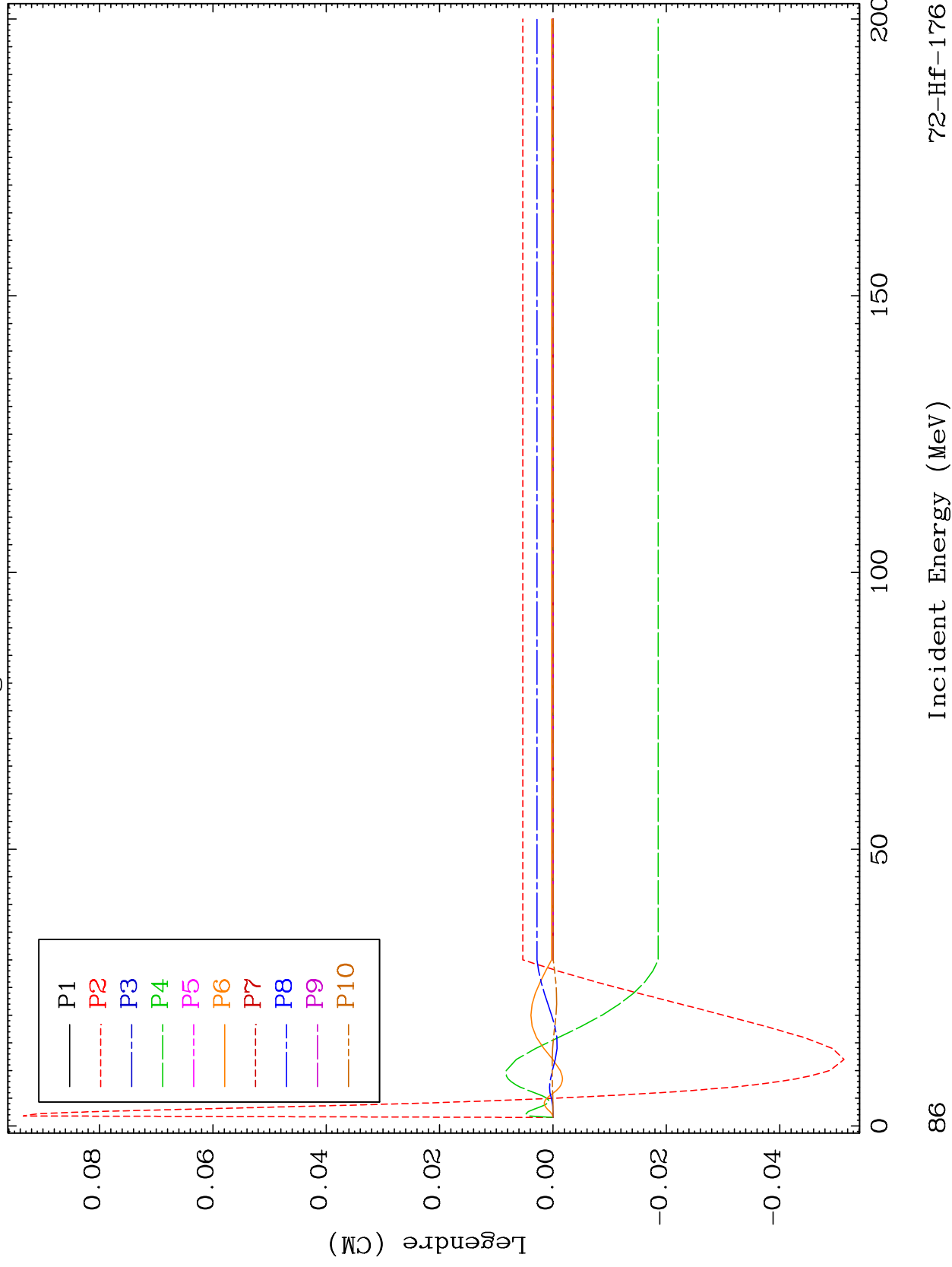




MAT 7231

1.506 MeV (n,n') Level
Legendre Coefficients

72-Hf-176



72-Hf-176

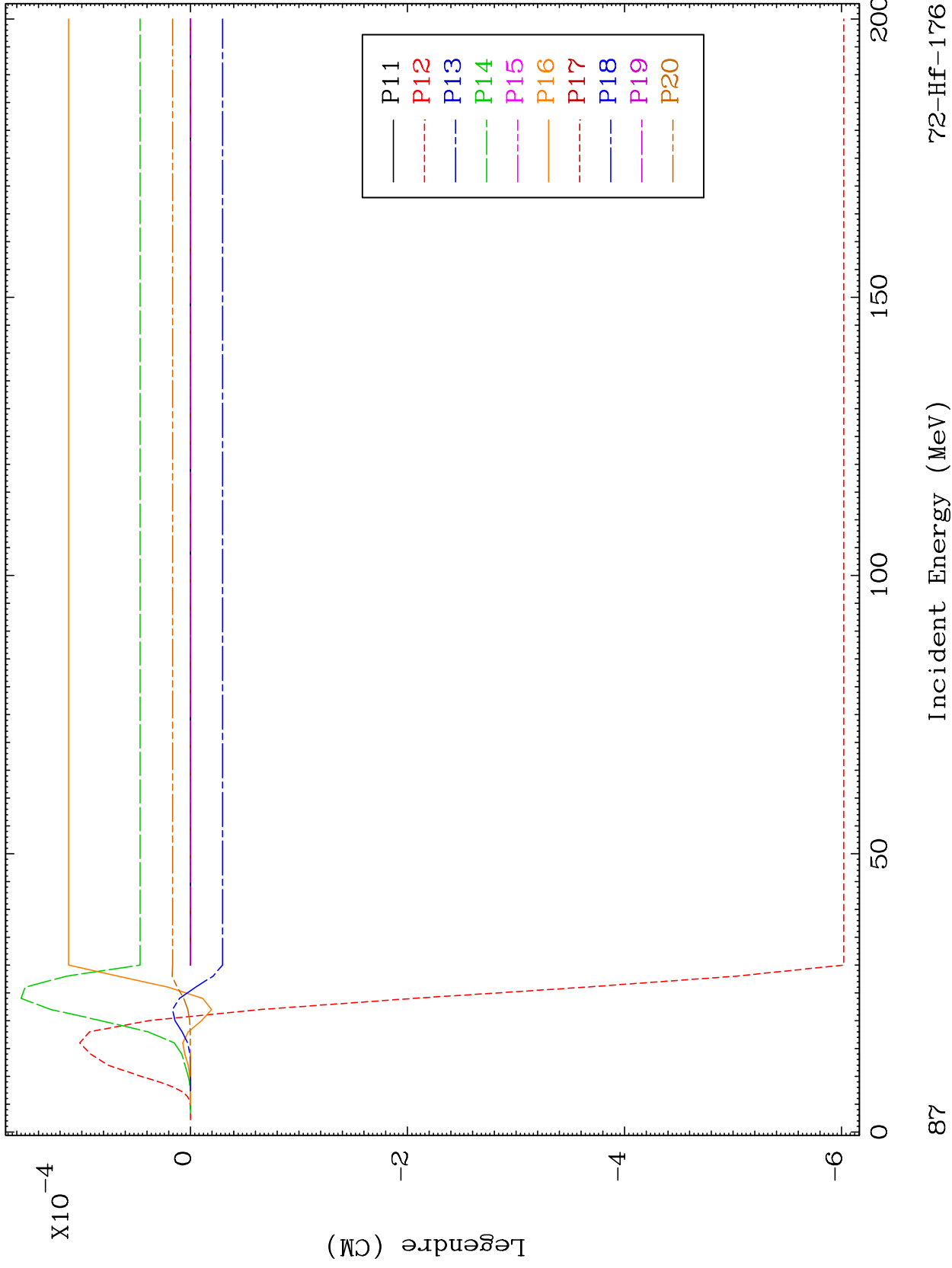
Incident Energy (MeV)

86

MAT 7231

1.506 MeV (n,n') Level
Legendre Coefficients

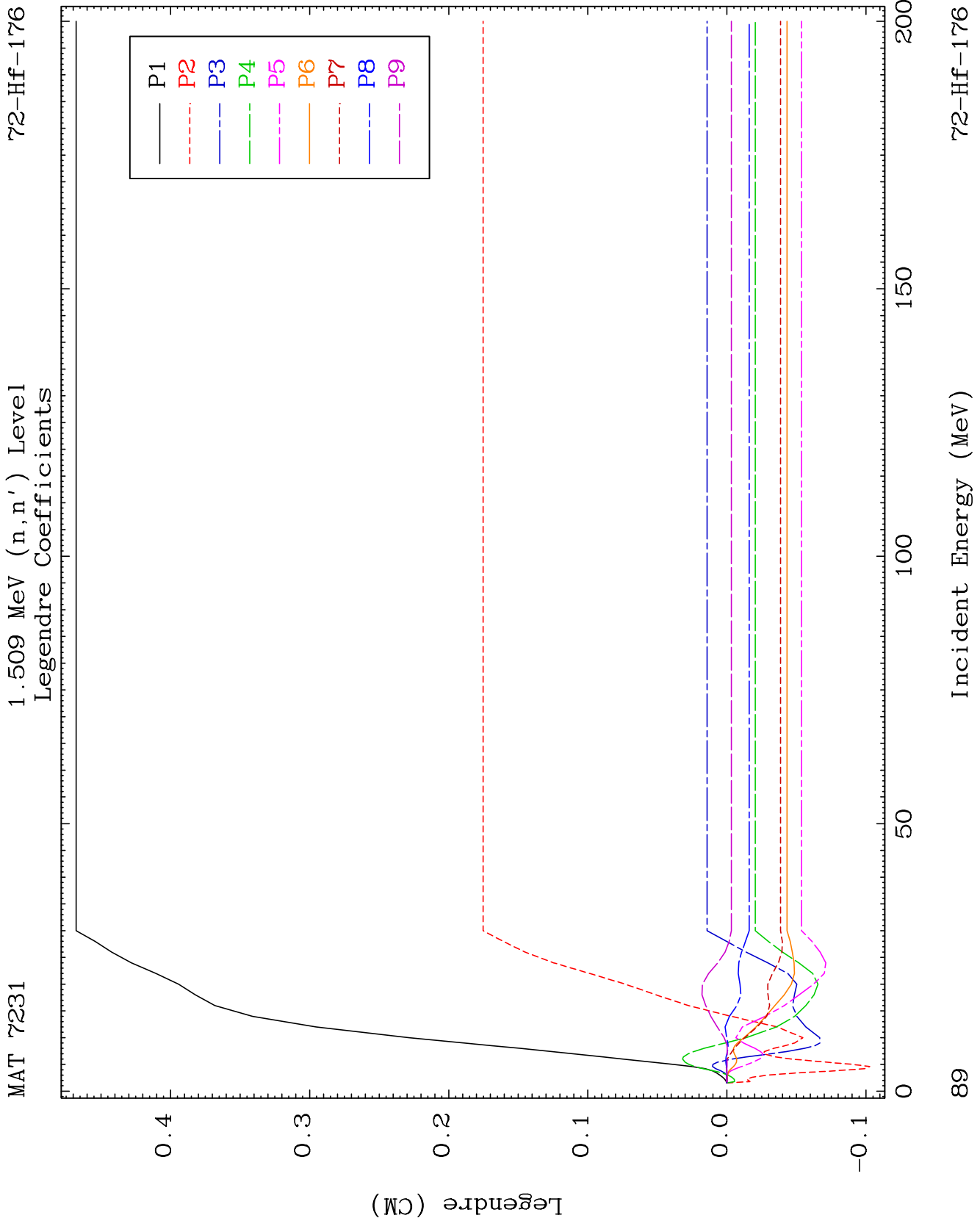
72-Hf-176

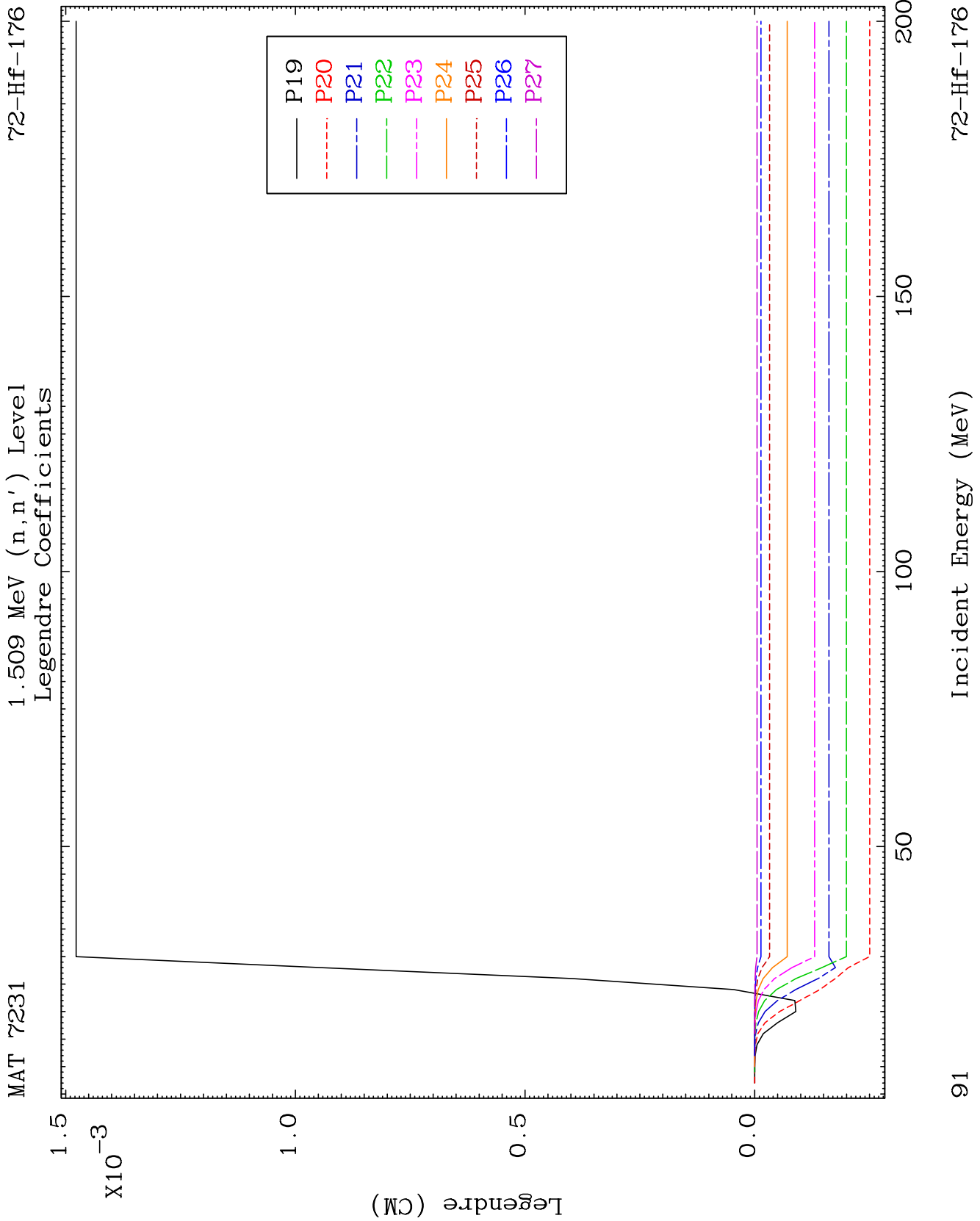


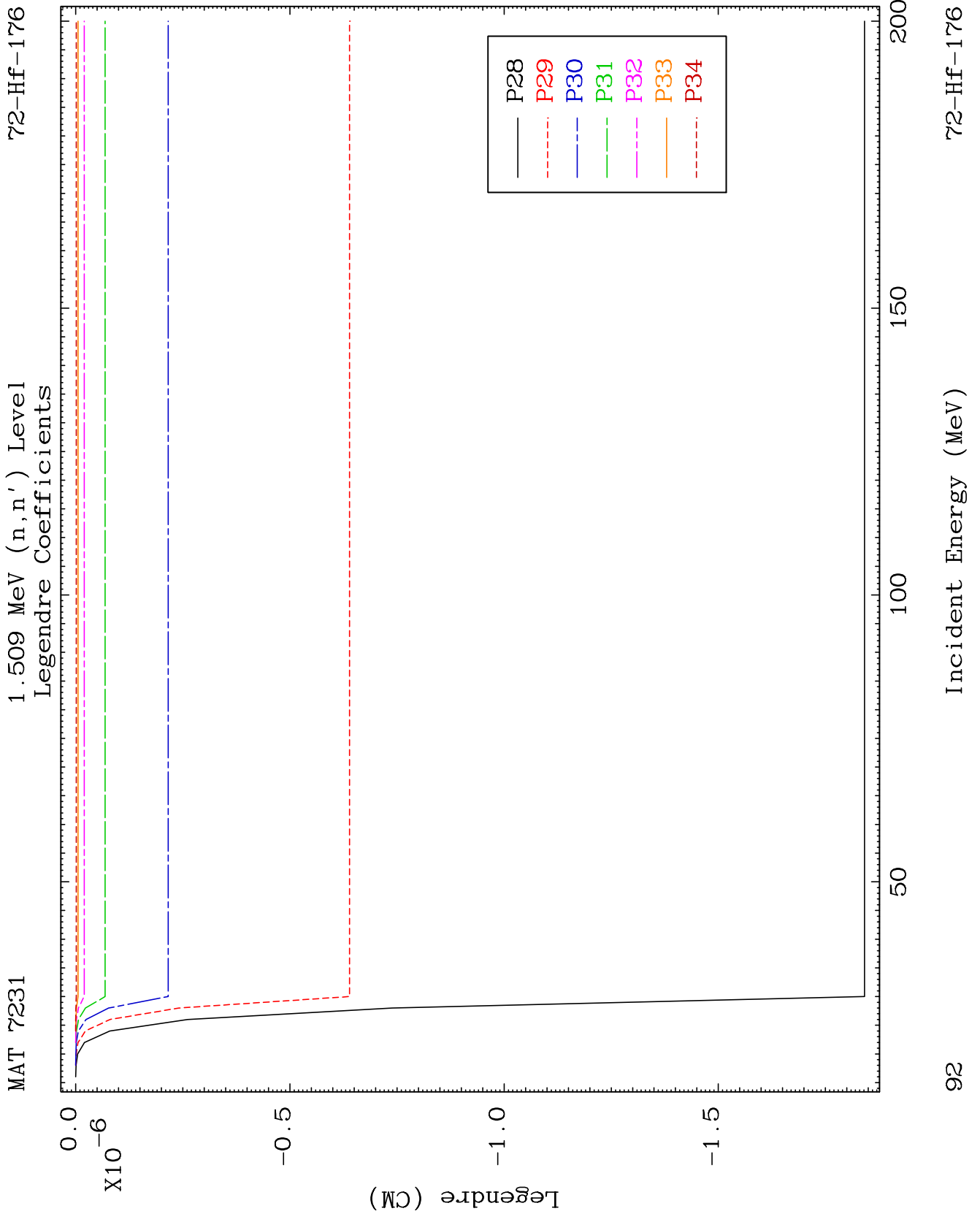
87

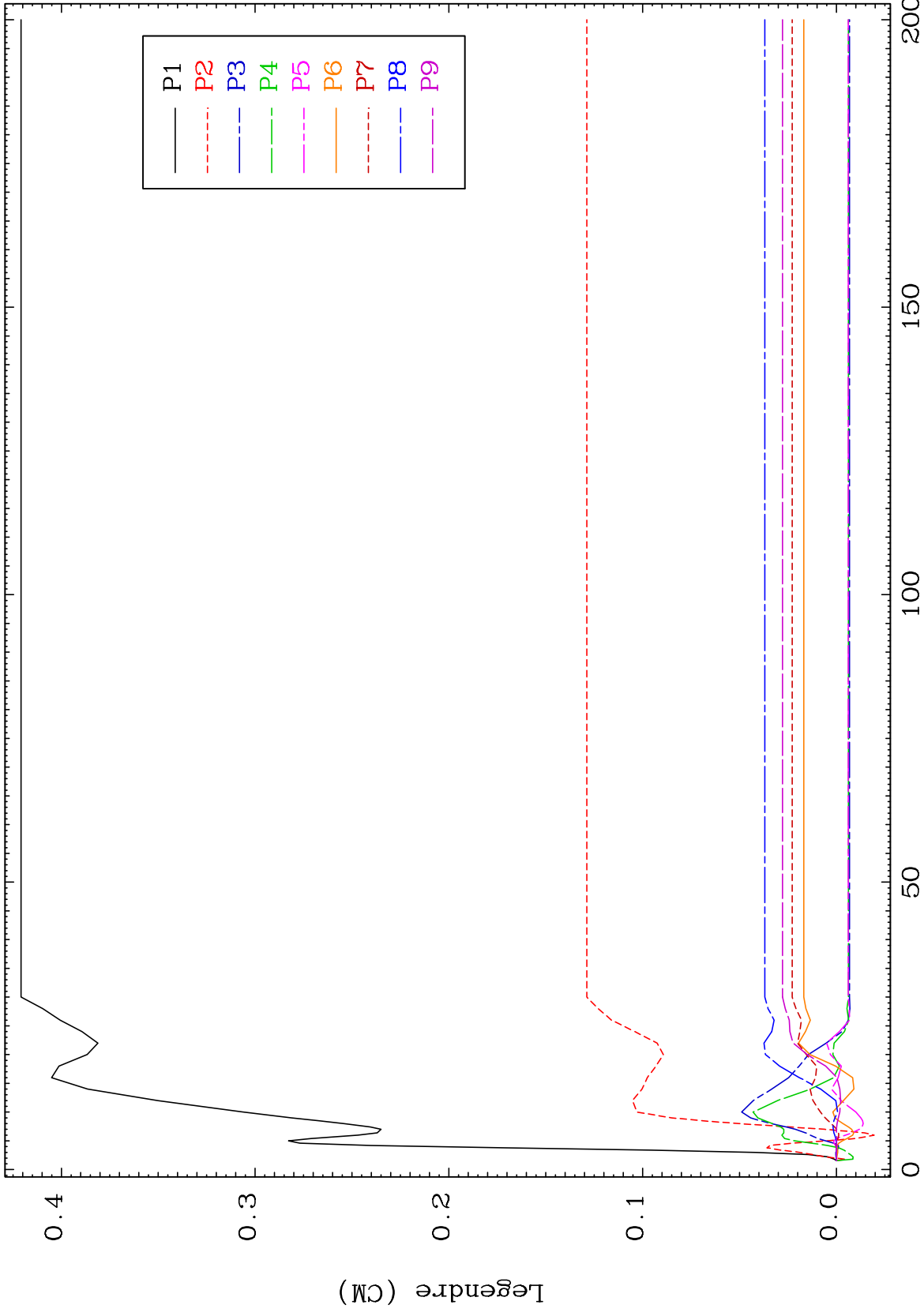
Incident Energy (MeV)

72-Hf-176





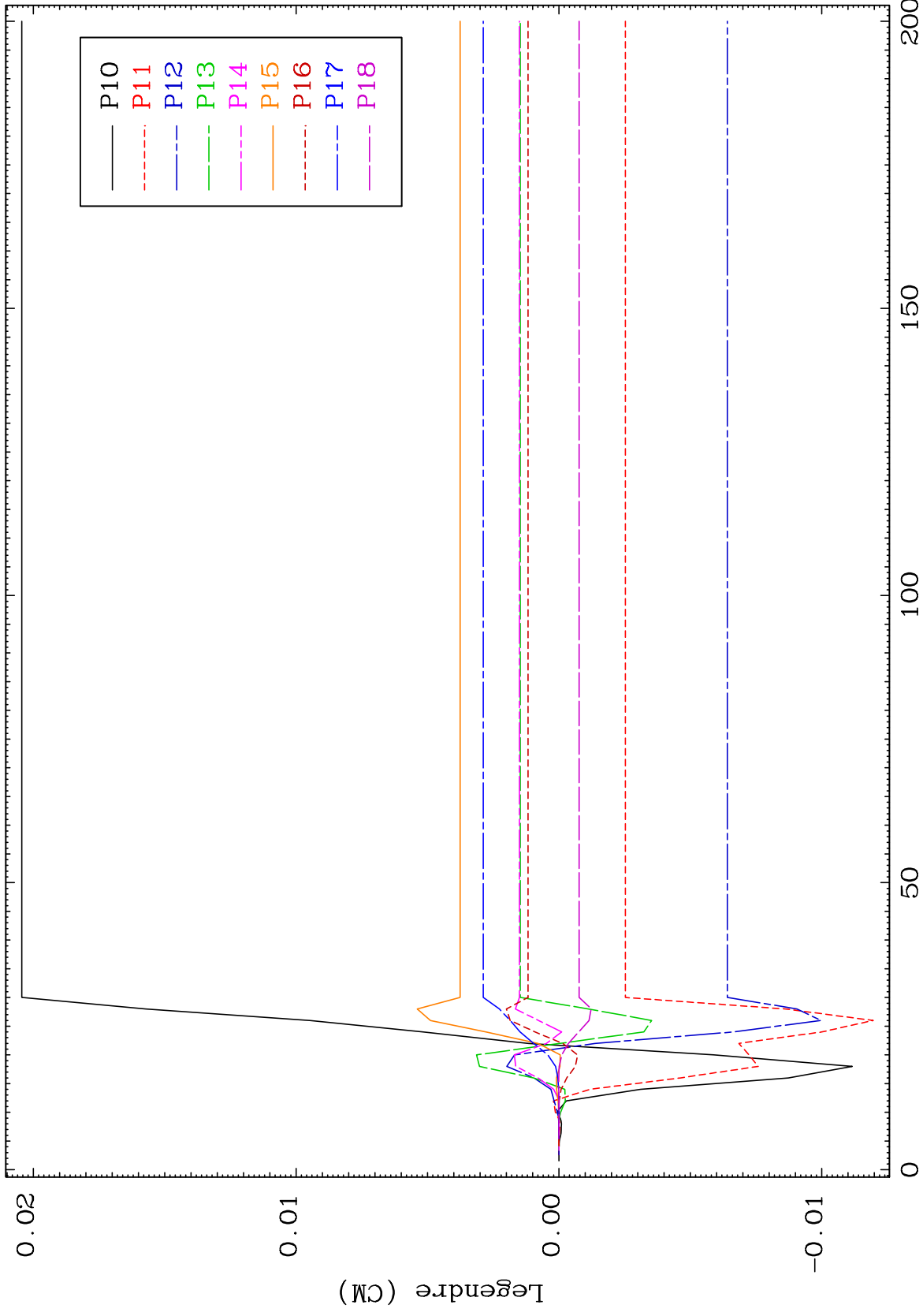




MAT 7231

1.533 MeV (n,n') Level
Legendre Coefficients

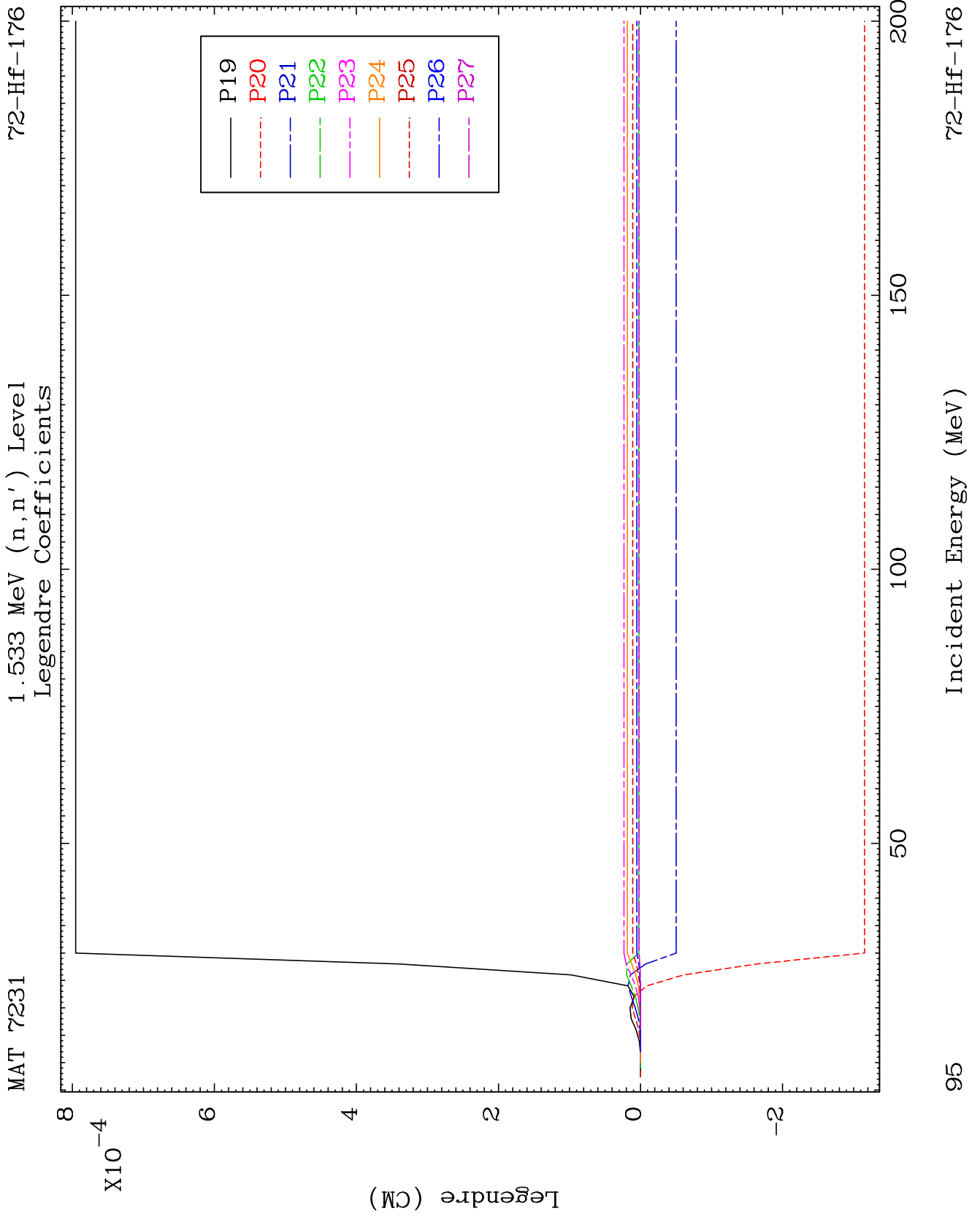
72-Hf-176

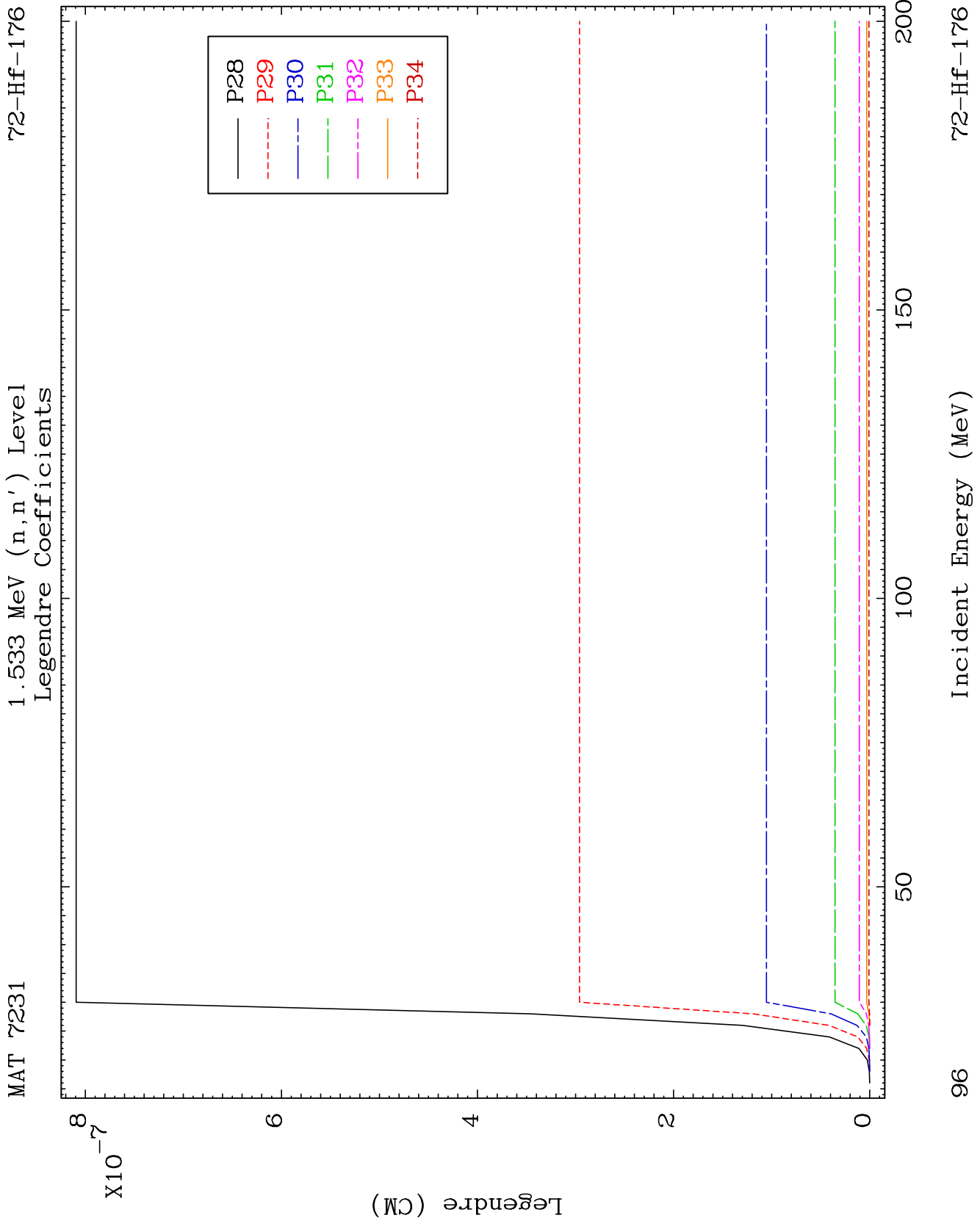


94

Incident Energy (MeV)

72-Hf-176

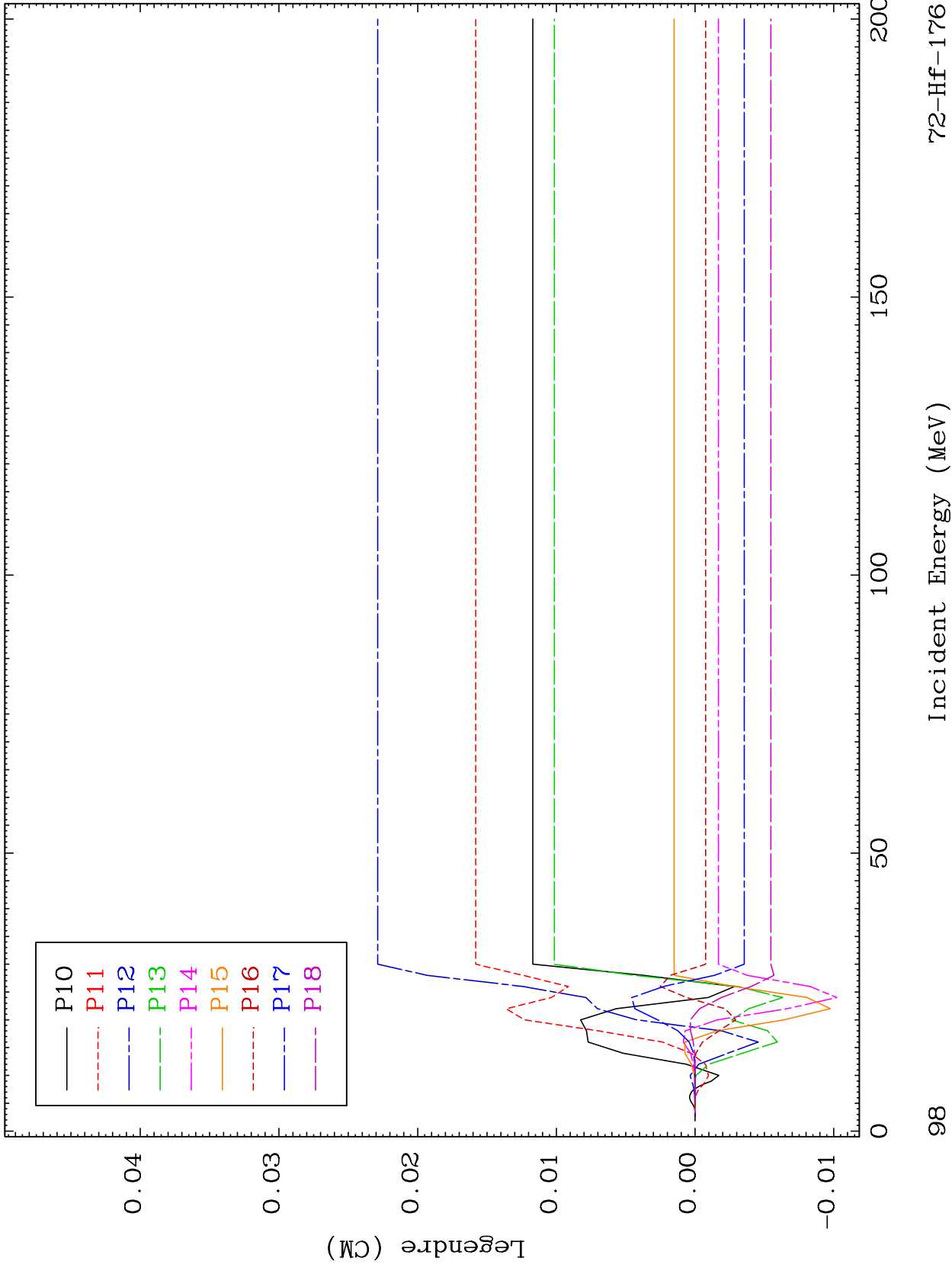




MAT 7231

1.540 MeV (n, n') Level
Legendre Coefficients

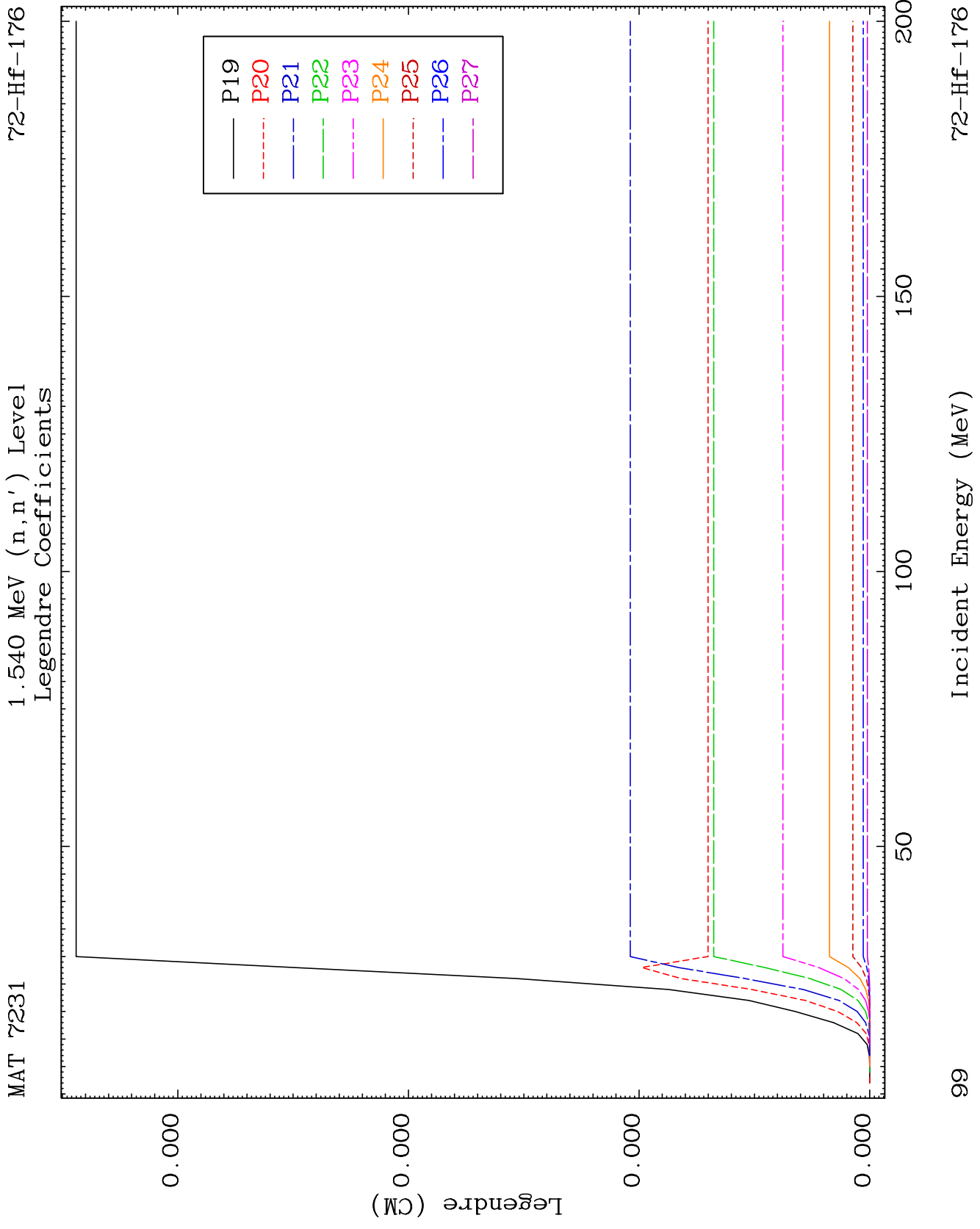
72-Hf-176

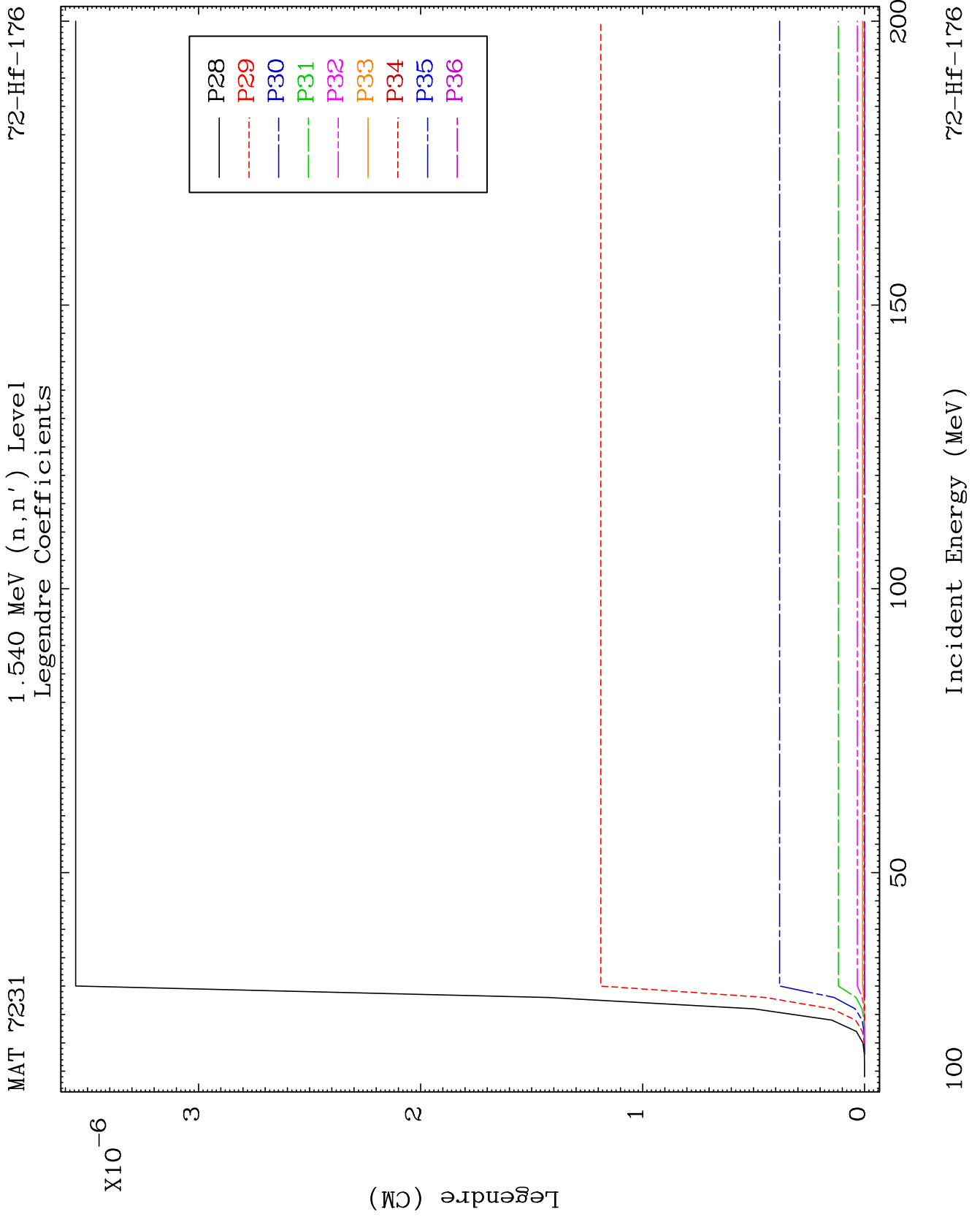


98

Incident Energy (MeV)

72-Hf-176

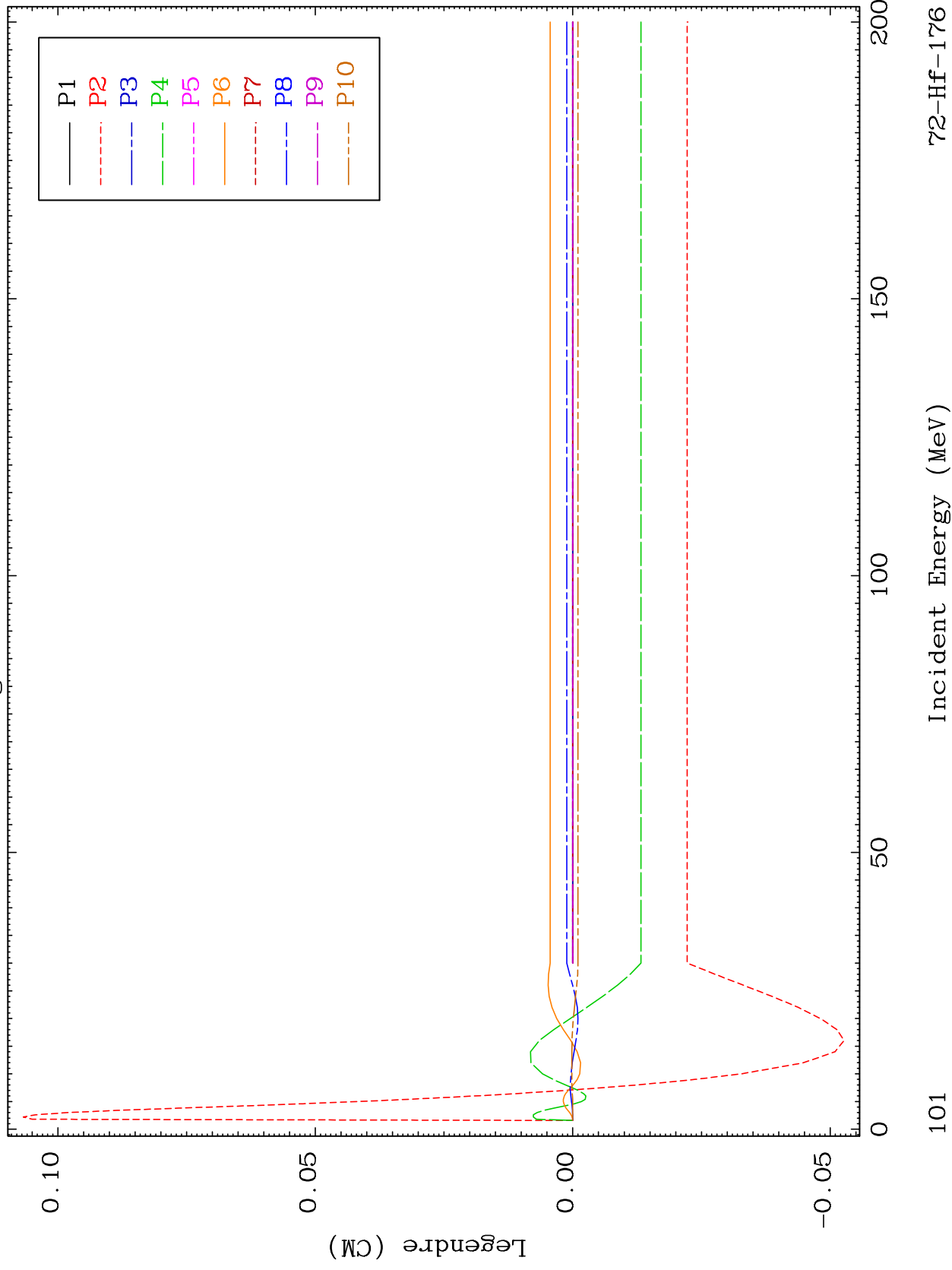




MAT 7231

1.559 MeV (n,n') Level
Legendre Coefficients

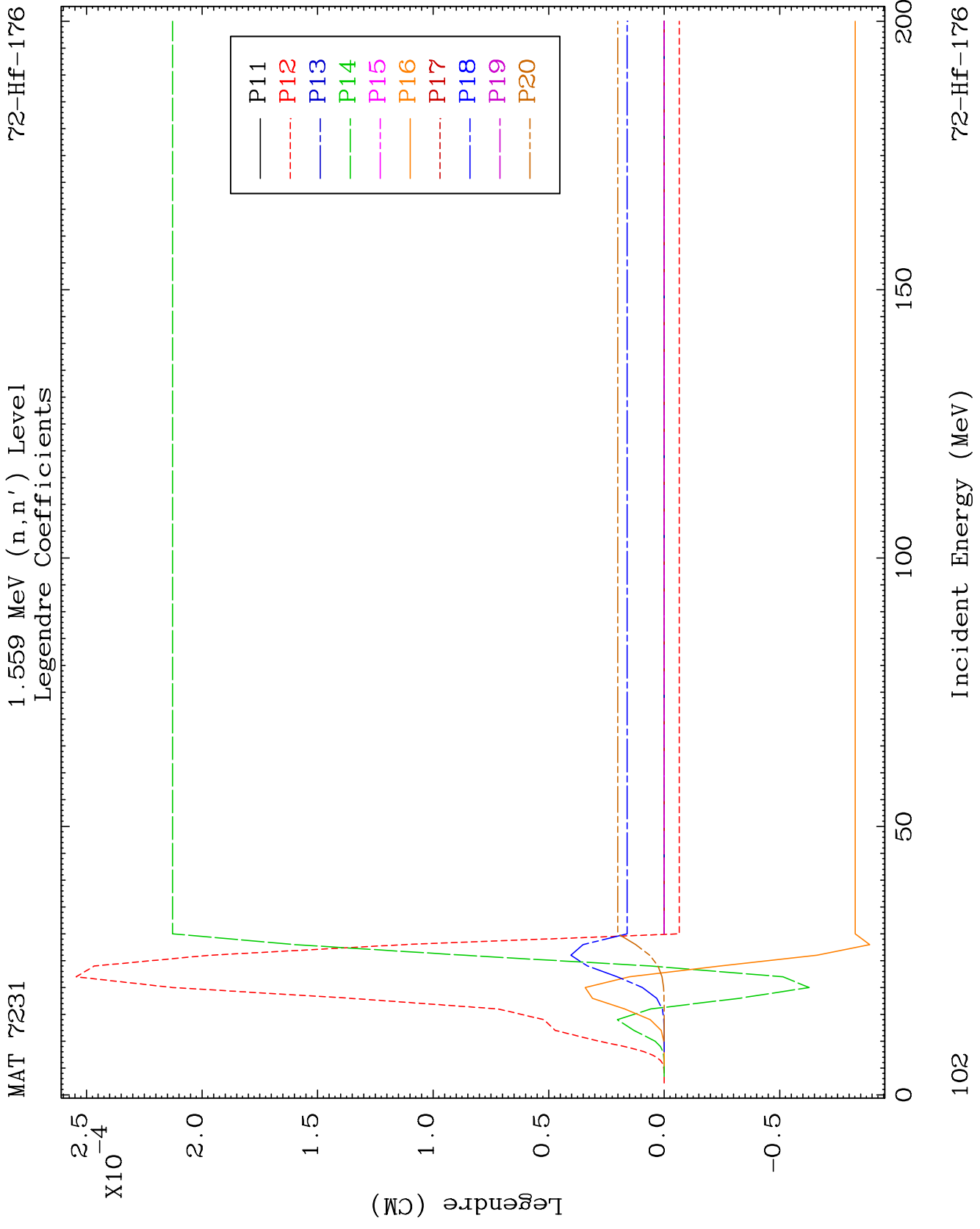
72-Hf-176

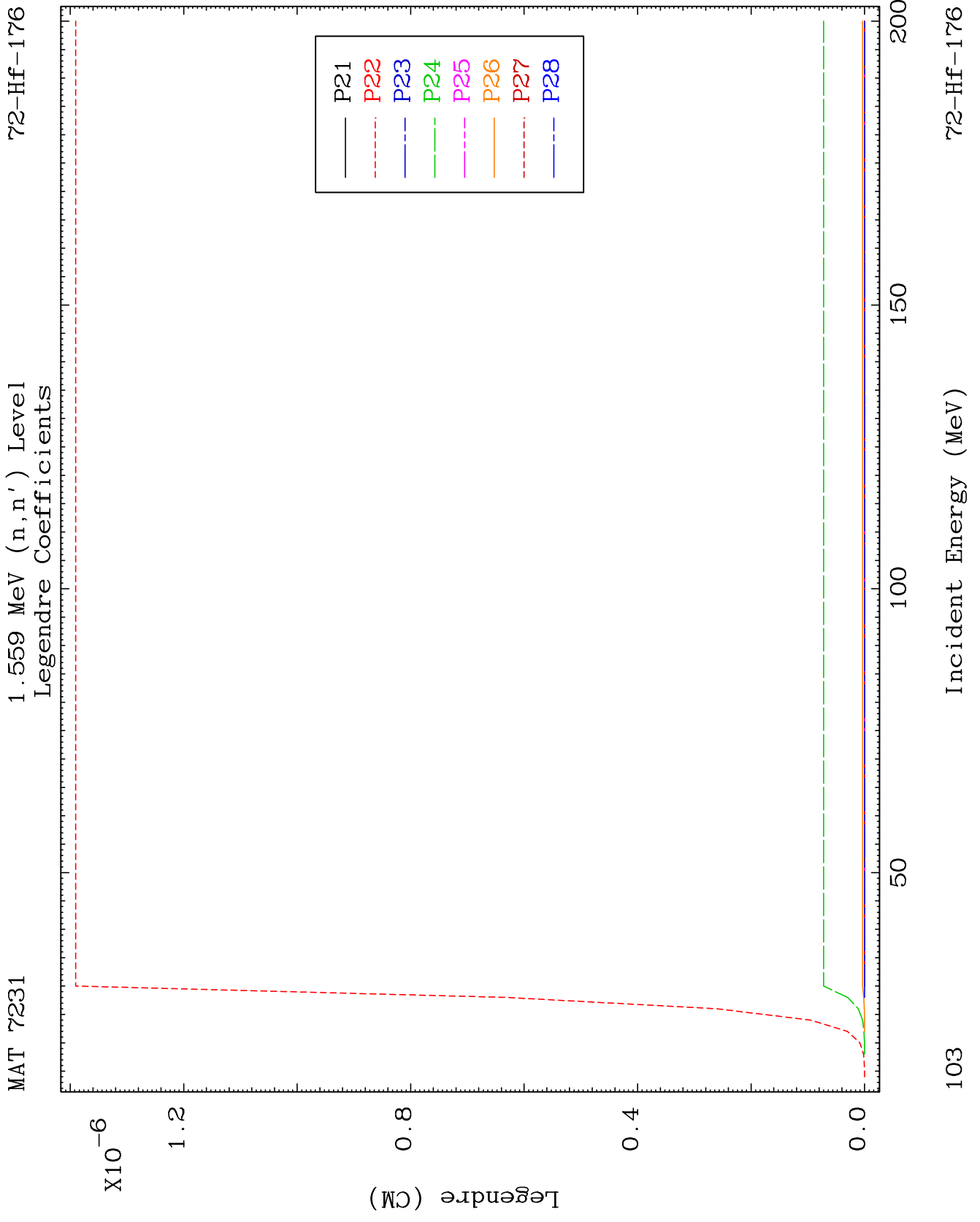


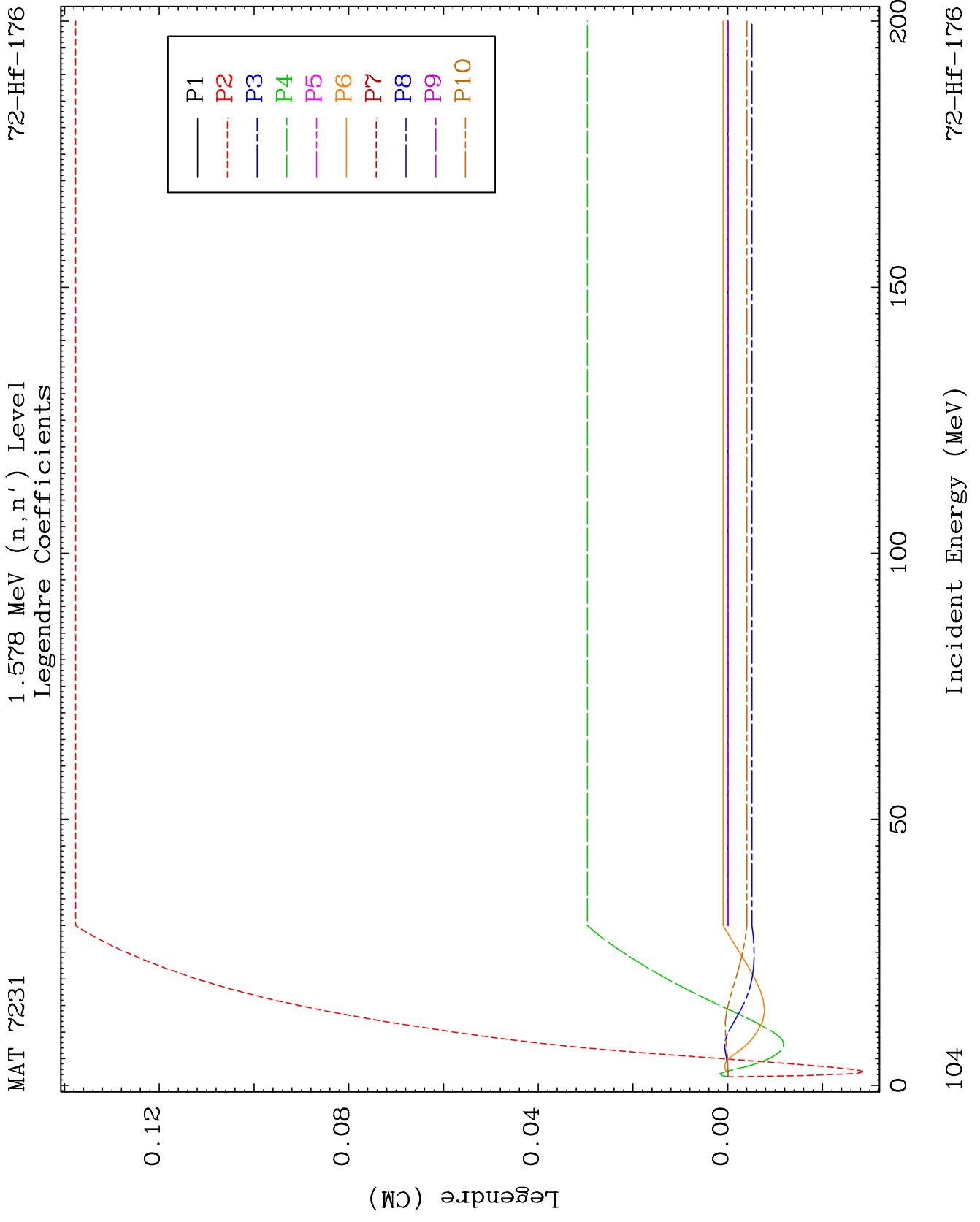
72-Hf-176

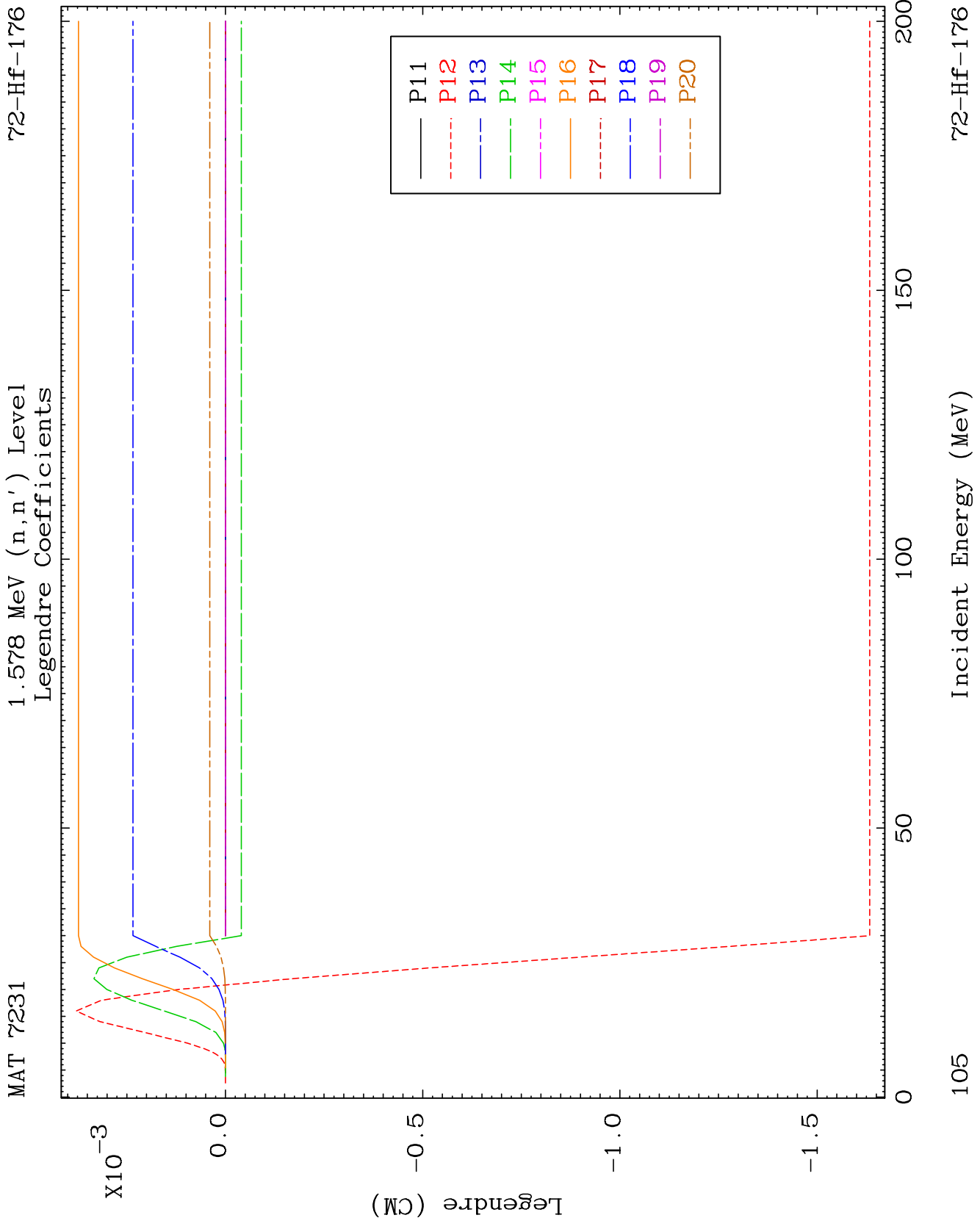
Incident Energy (MeV)

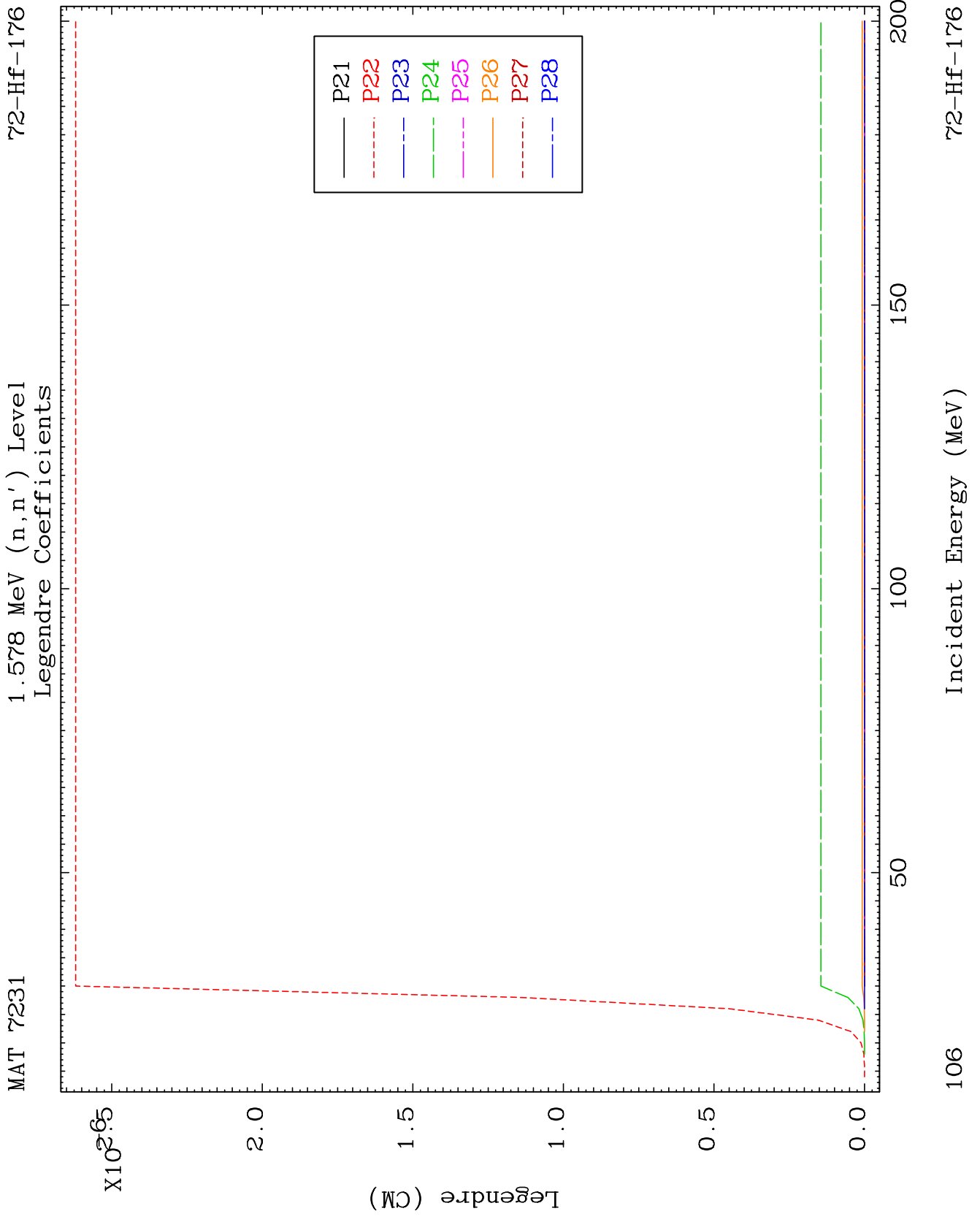
101

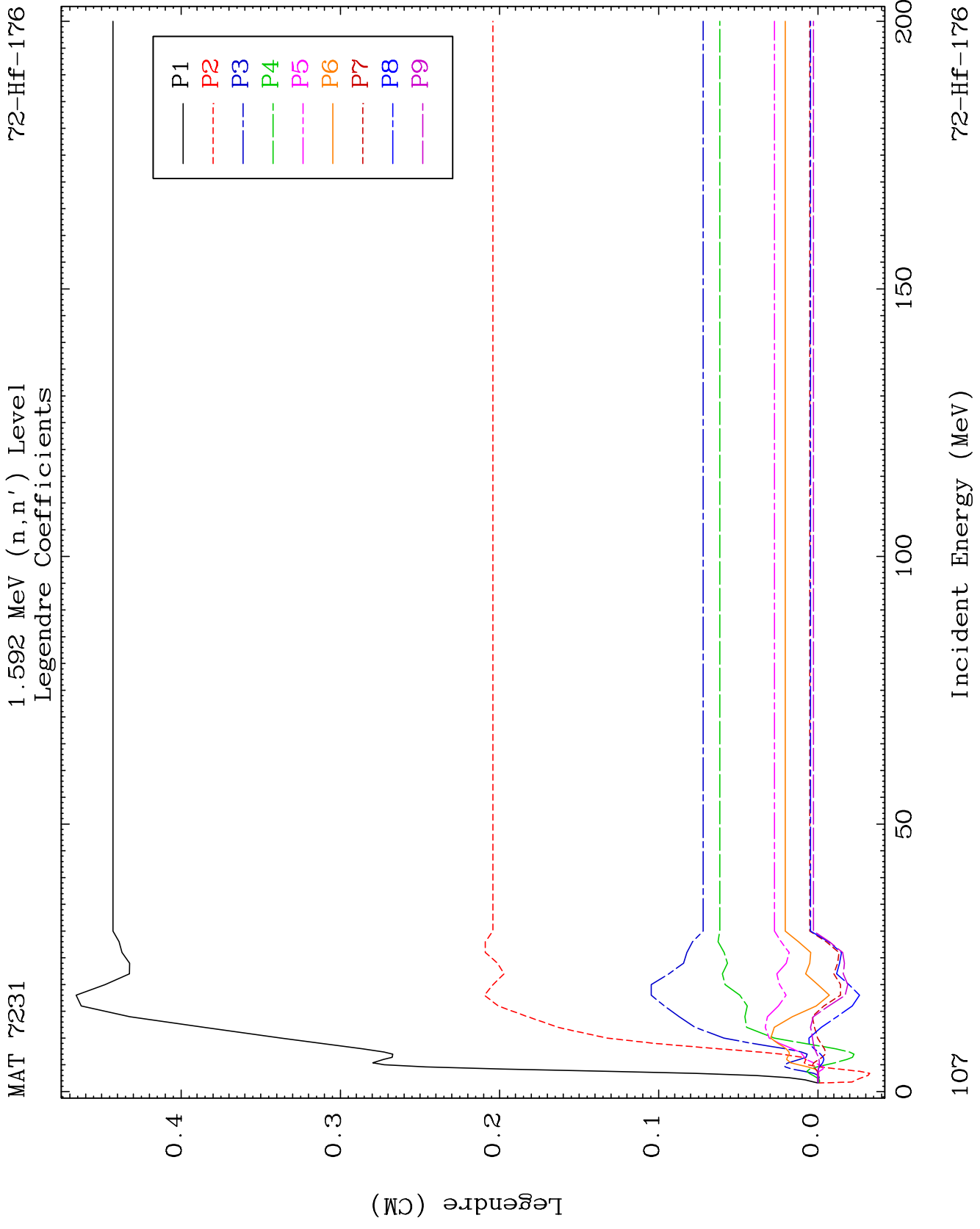








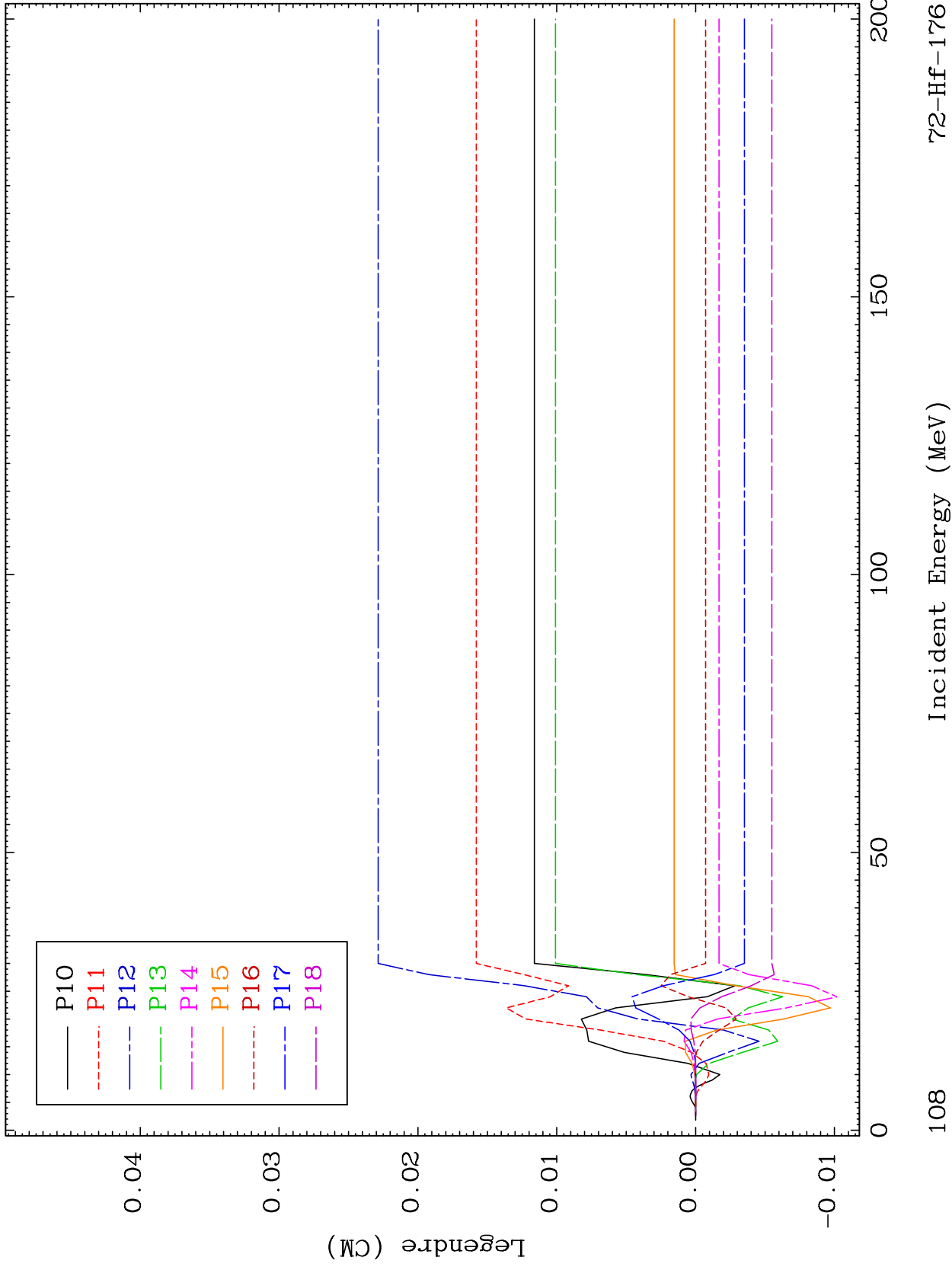




MAT 7231

1.592 MeV (n,n') Level
Legendre Coefficients

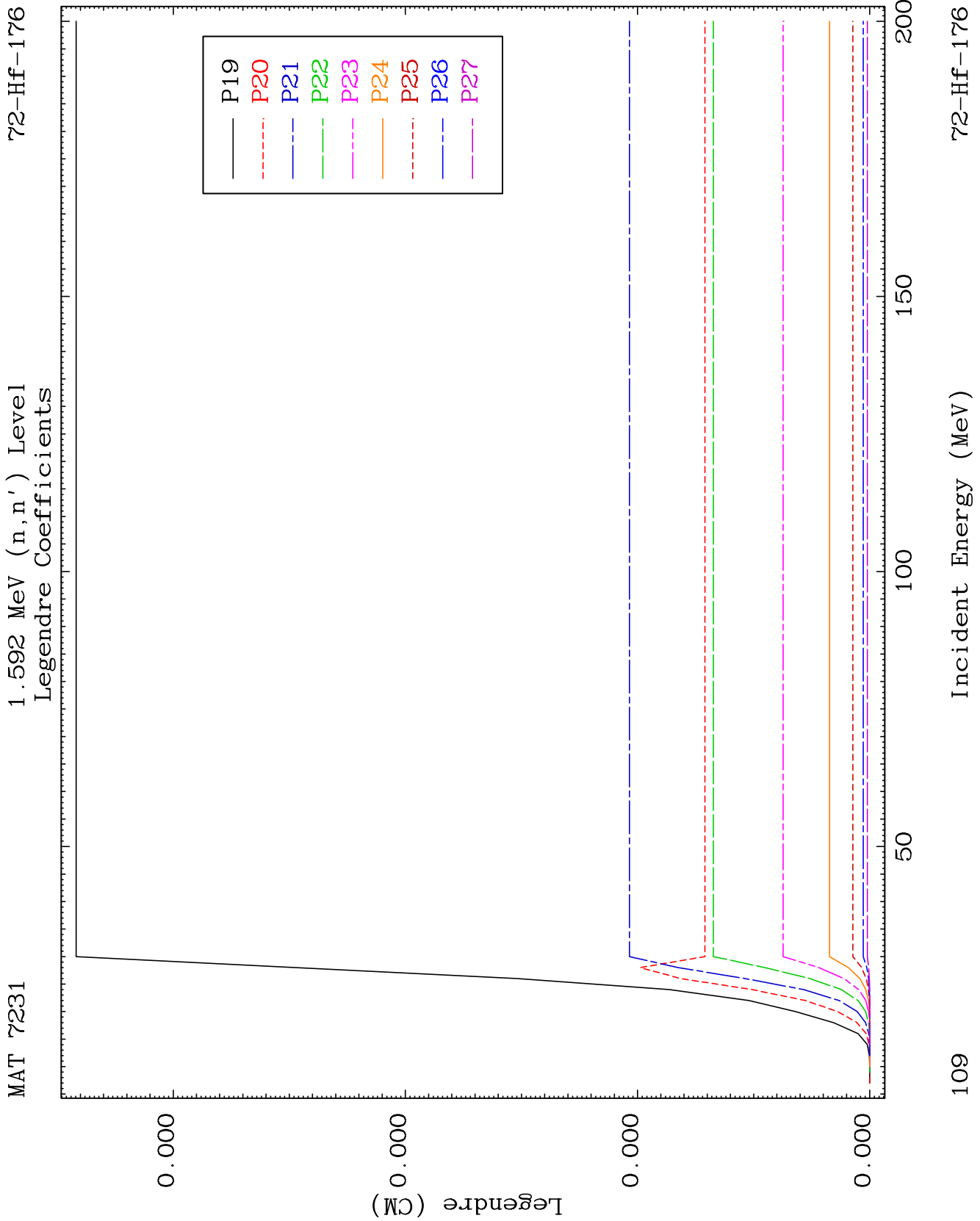
72-Hf-176



72-Hf-176

Incident Energy (MeV)

108



MAT 7231

1.592 MeV (n,n') Level
Legendre Coefficients

72-Hf-176

$\times 10^{-6}$

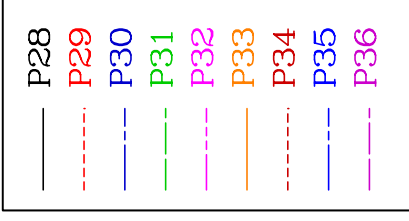
3

2

1

0

Legendre (CM)



50

100

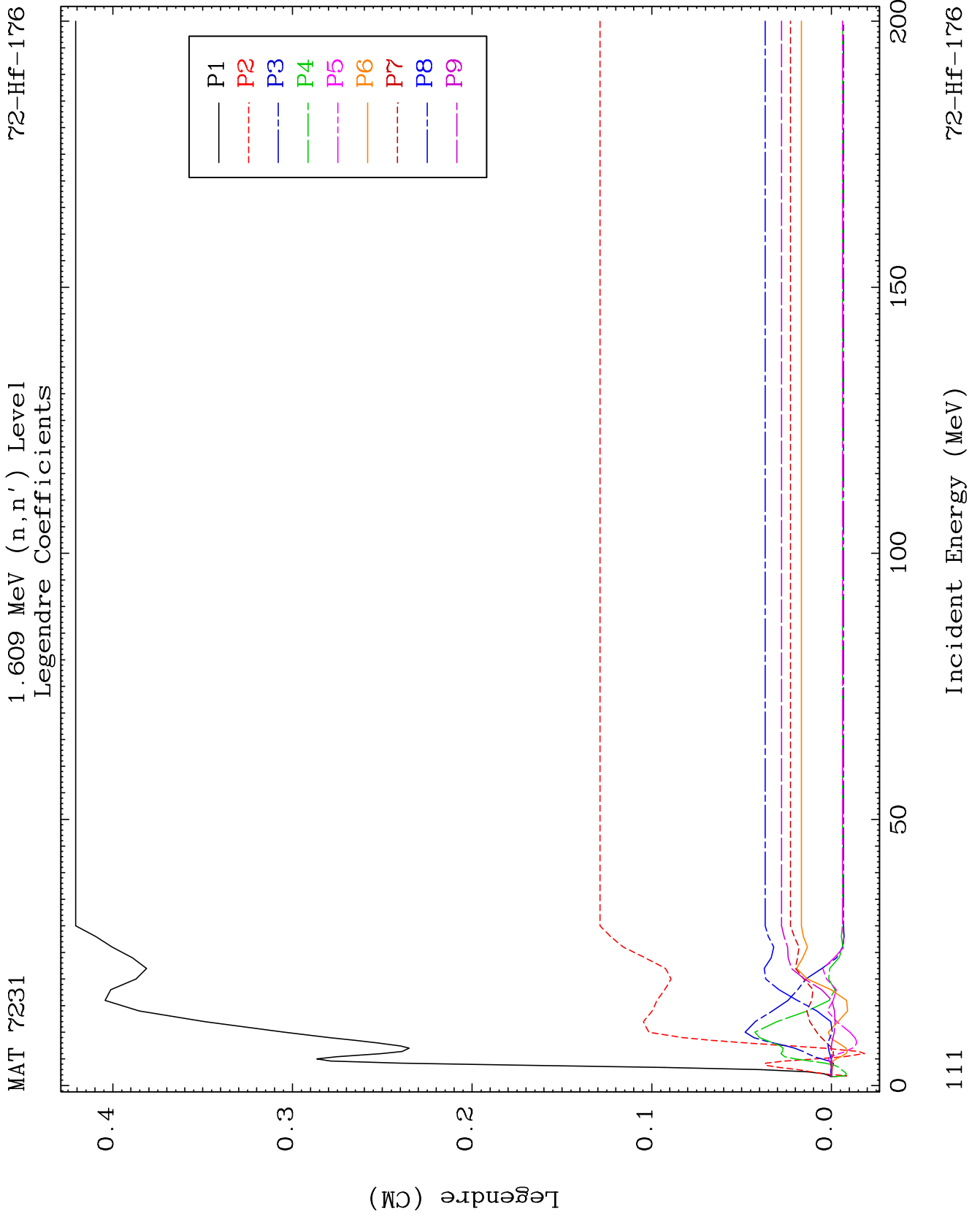
150

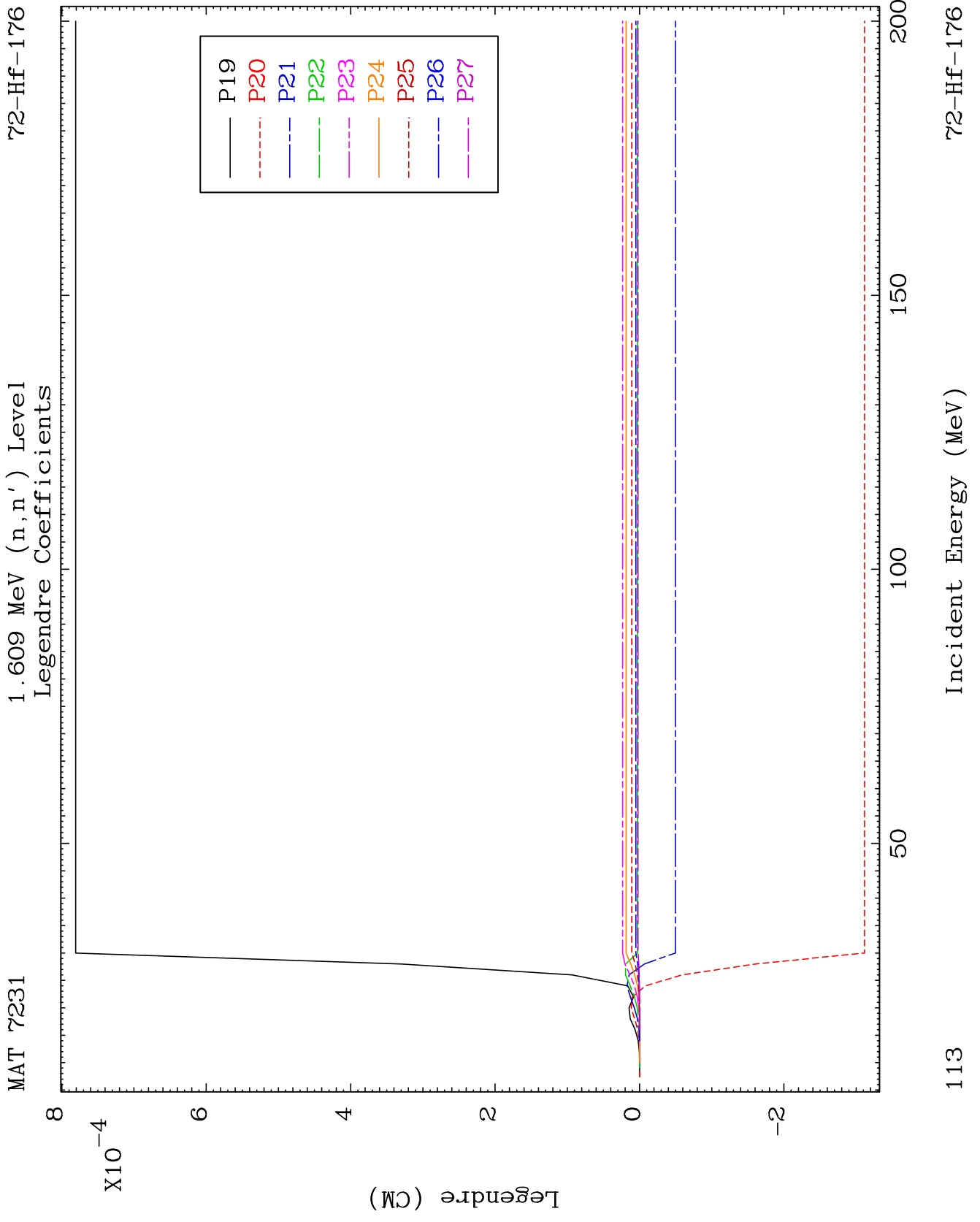
200

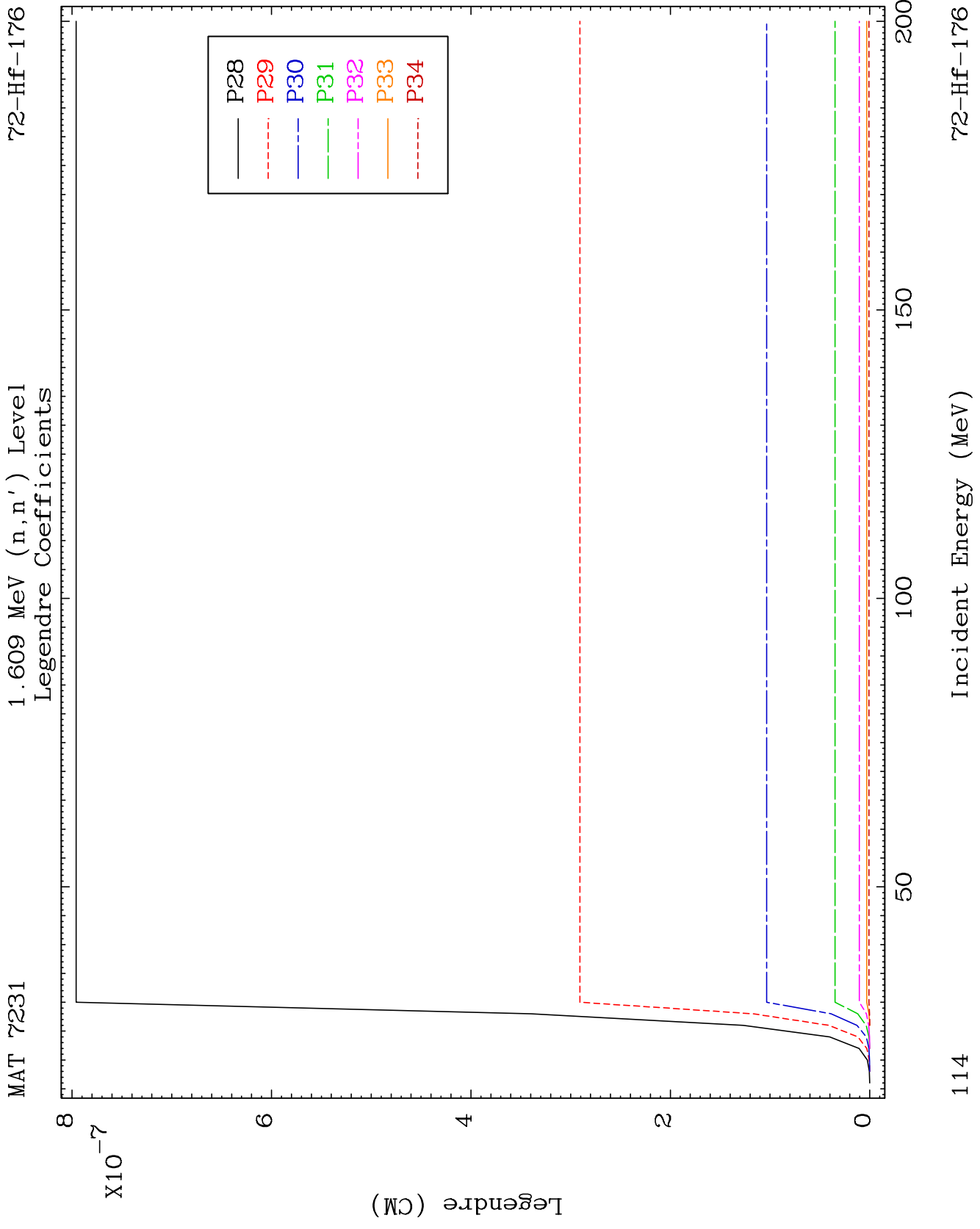
110

Incident Energy (MeV)

72-Hf-176



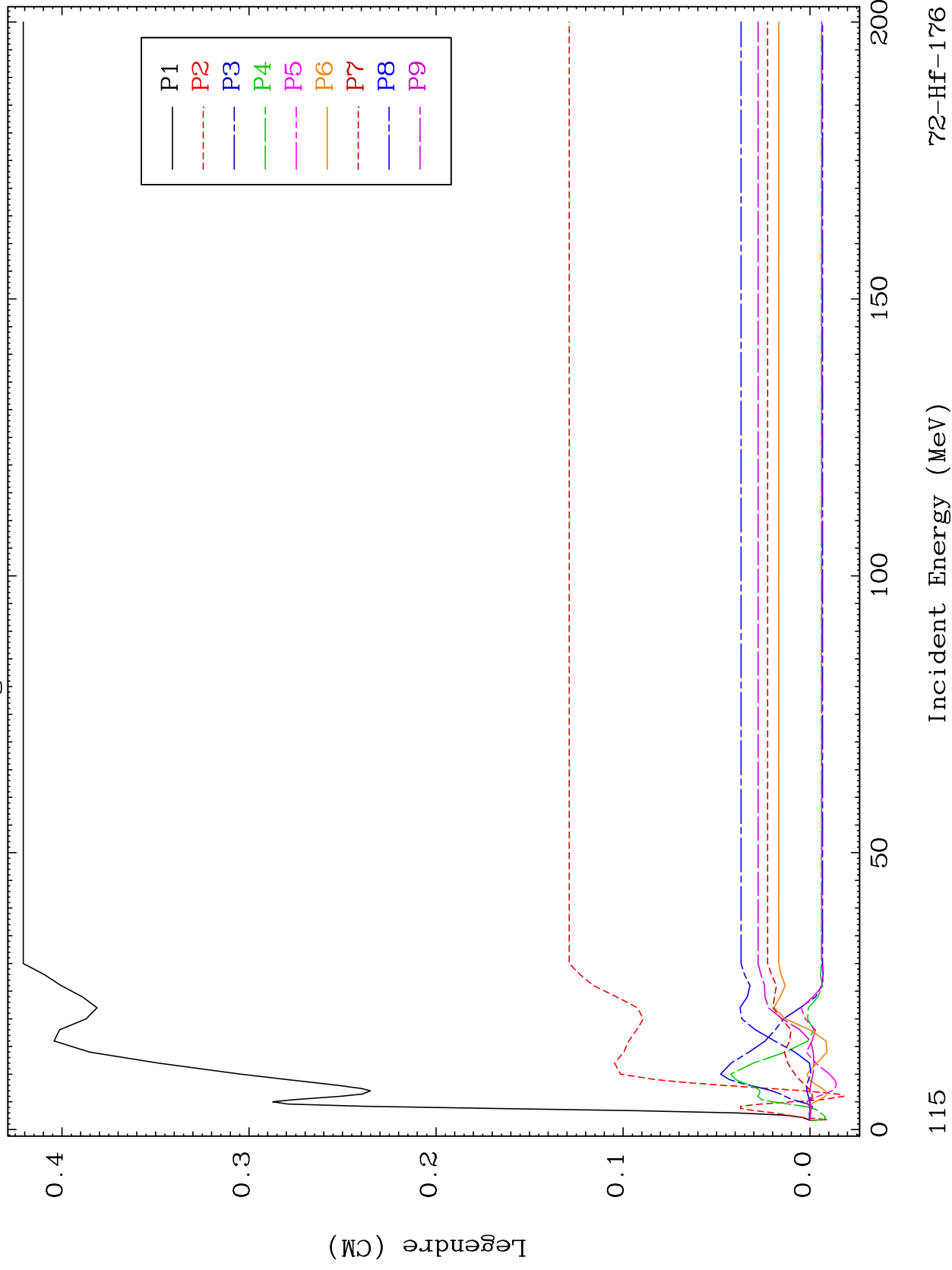




MAT 7231

1.629 MeV (n,n') Level
Legendre Coefficients

72-Hf-176



72-Hf-176

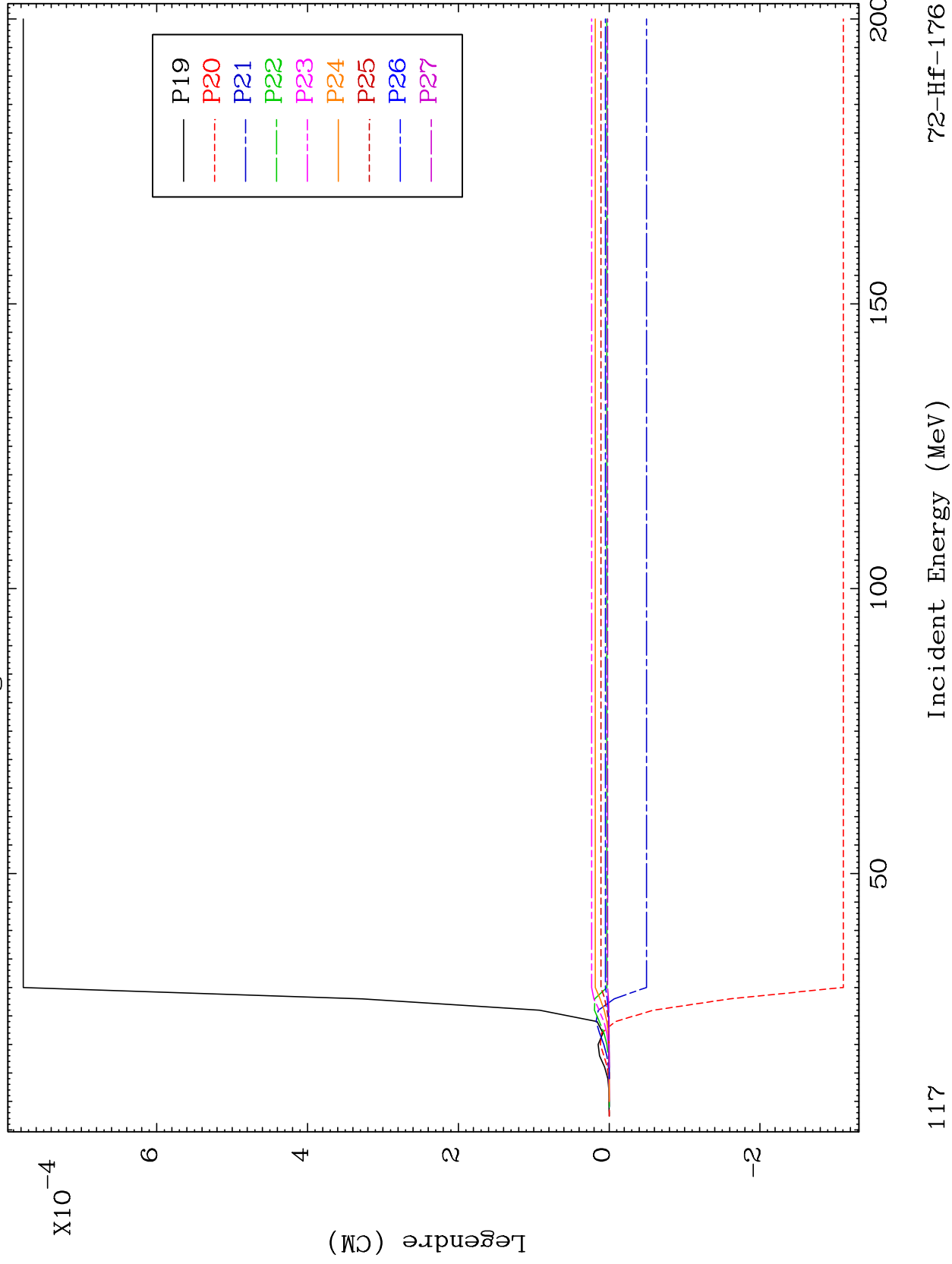
Incident Energy (MeV)

115

MAT 7231

1.629 MeV (n,n') Level
Legendre Coefficients

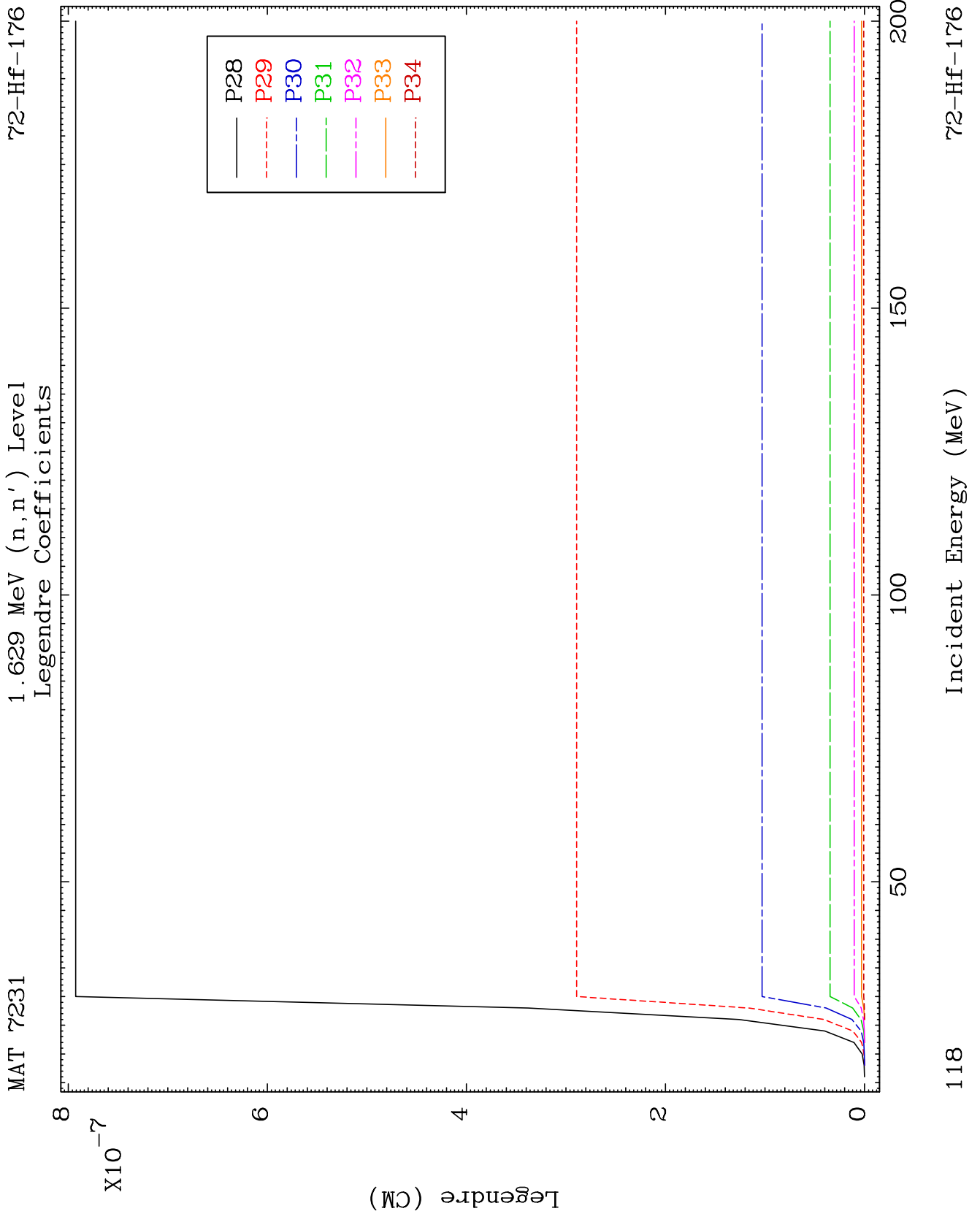
72-Hf-176



117

Incident Energy (MeV)

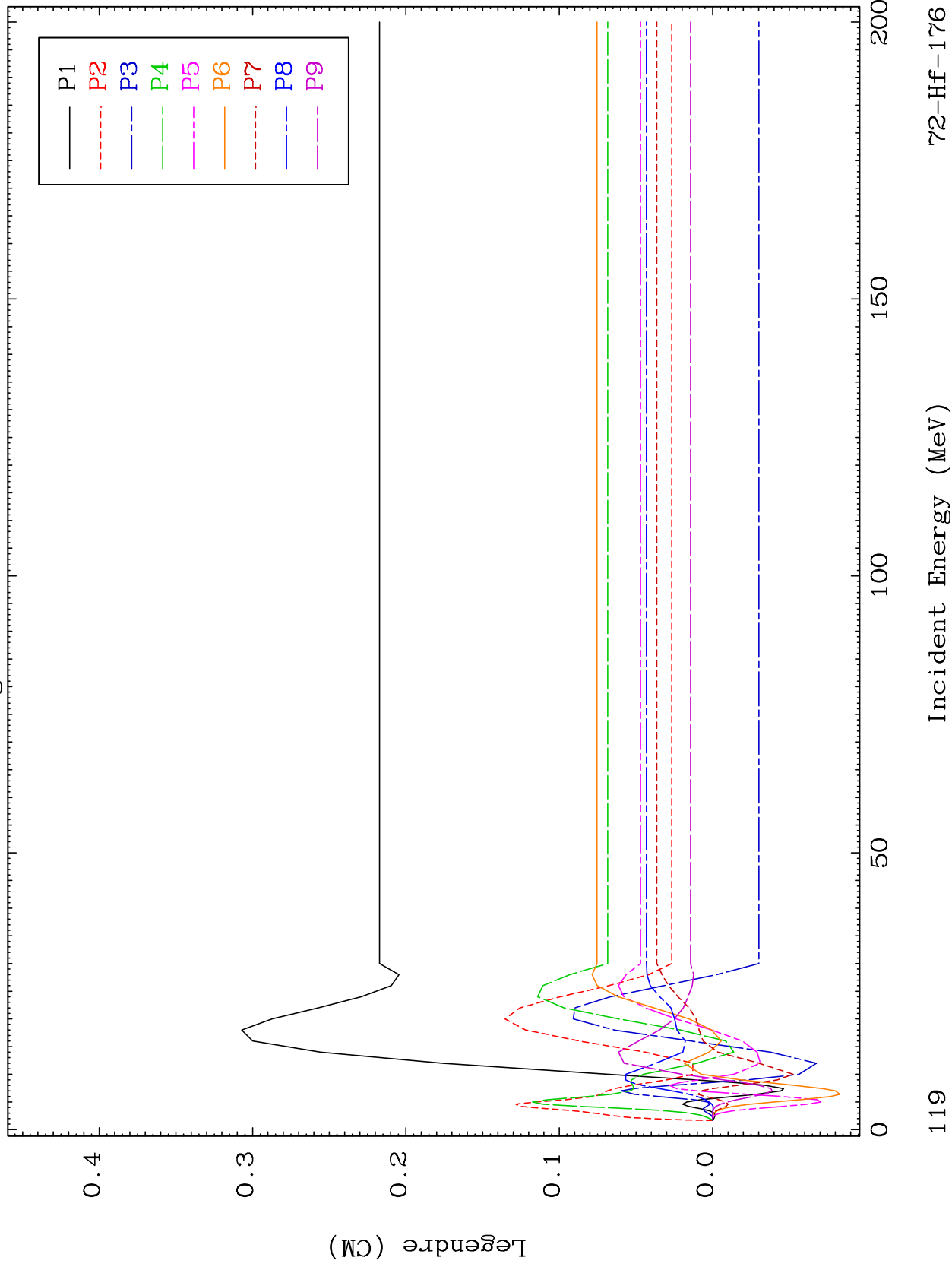
72-Hf-176



MAT 7231

1.643 MeV (n,n') Level
Legendre Coefficients

72-Hf-176



72-Hf-176

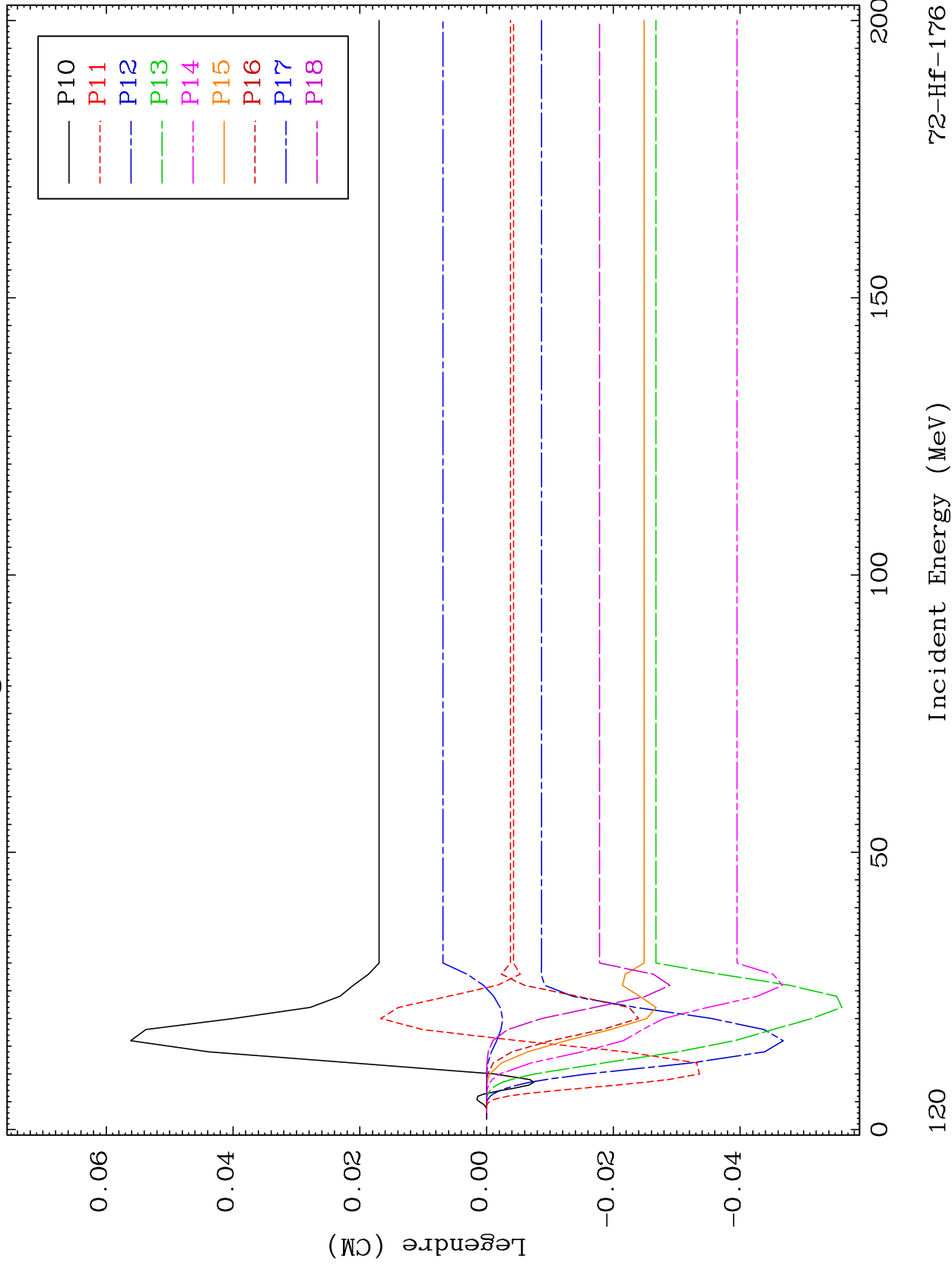
Incident Energy (MeV)

119

MAT 7231

1.643 MeV (n,n') Level
Legendre Coefficients

72-Hf-176



72-Hf-176

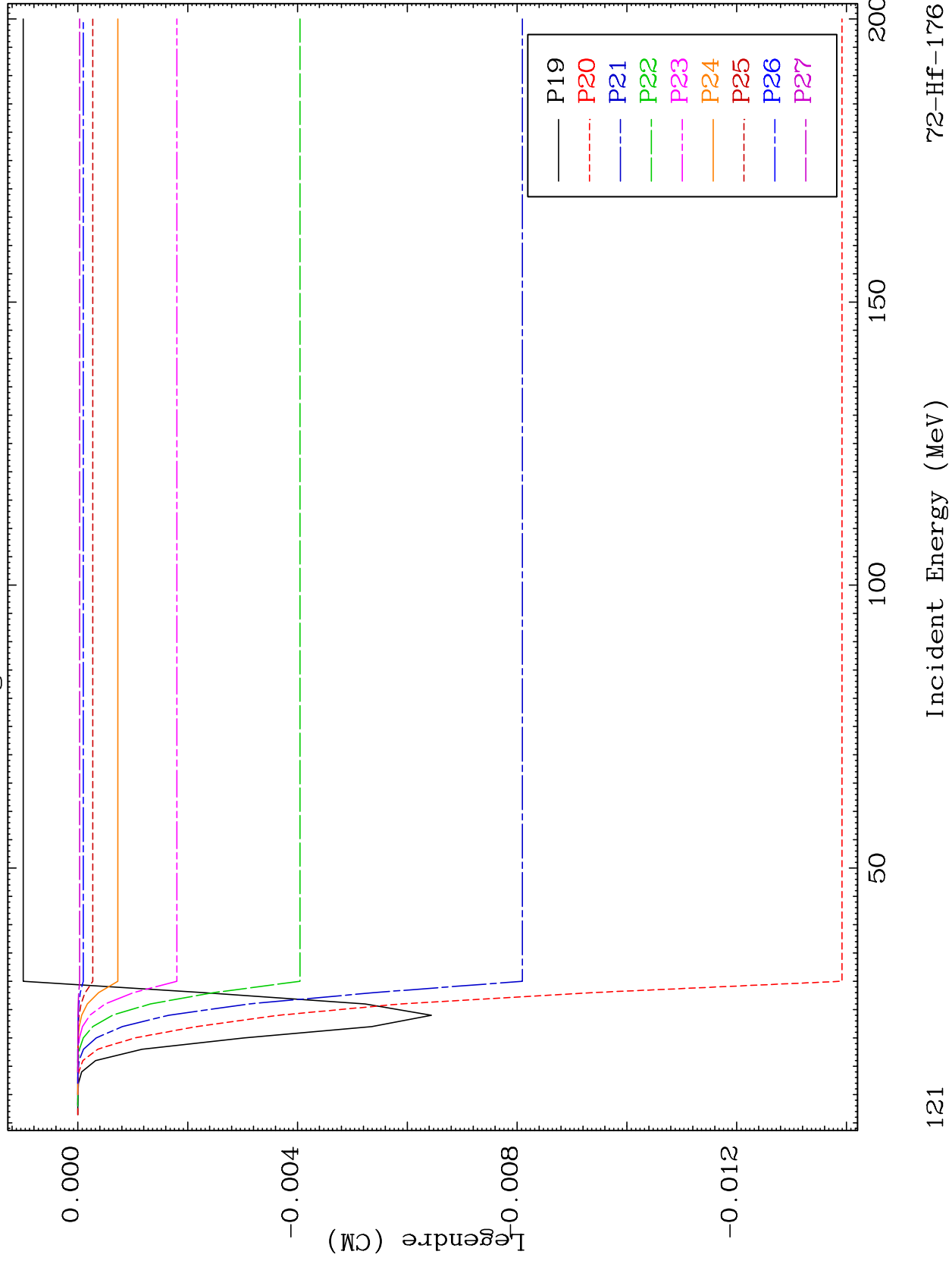
Incident Energy (MeV)

0

MAT 7231

1.643 MeV (n,n') Level
Legendre Coefficients

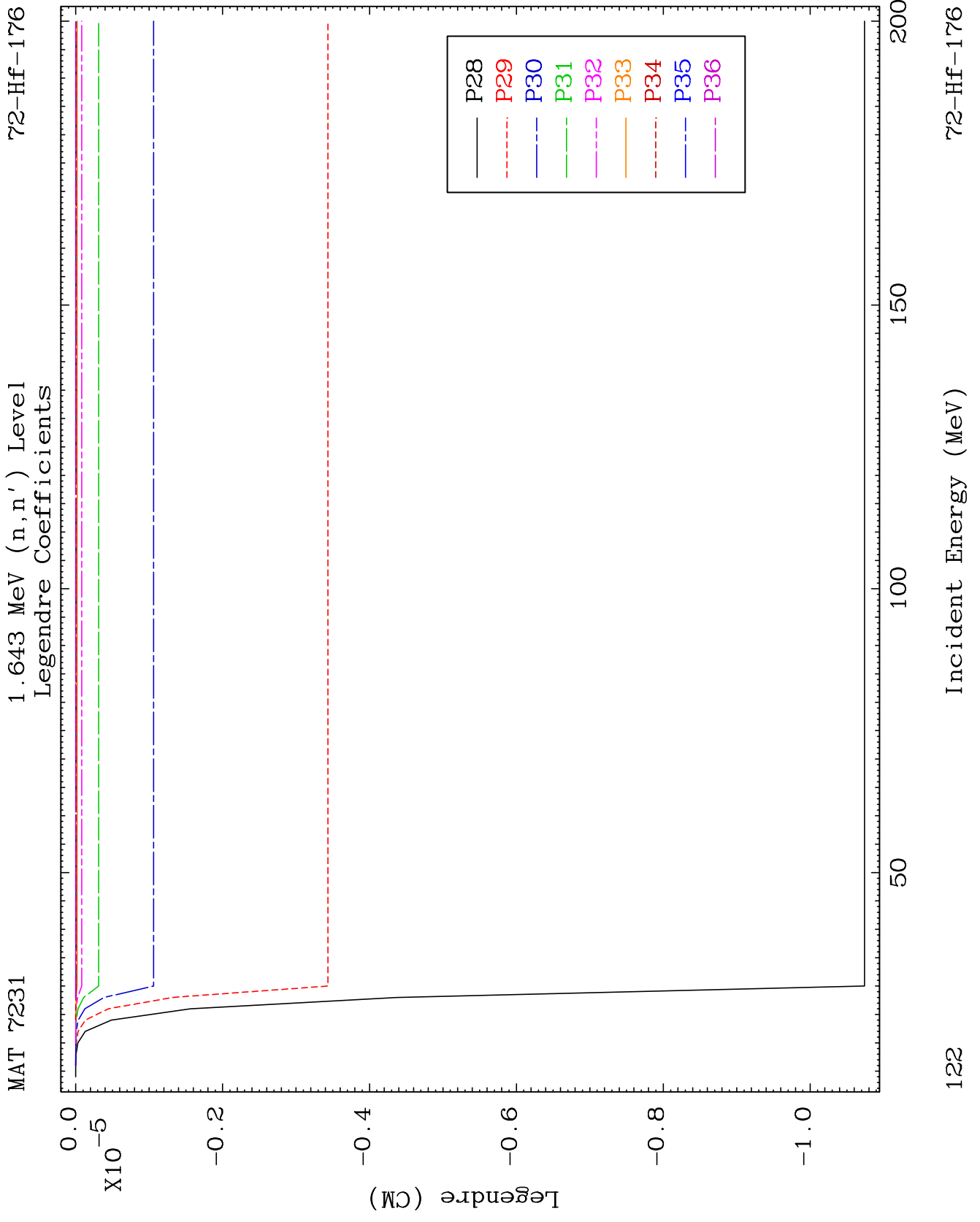
72-Hf-176



121

Incident Energy (MeV)

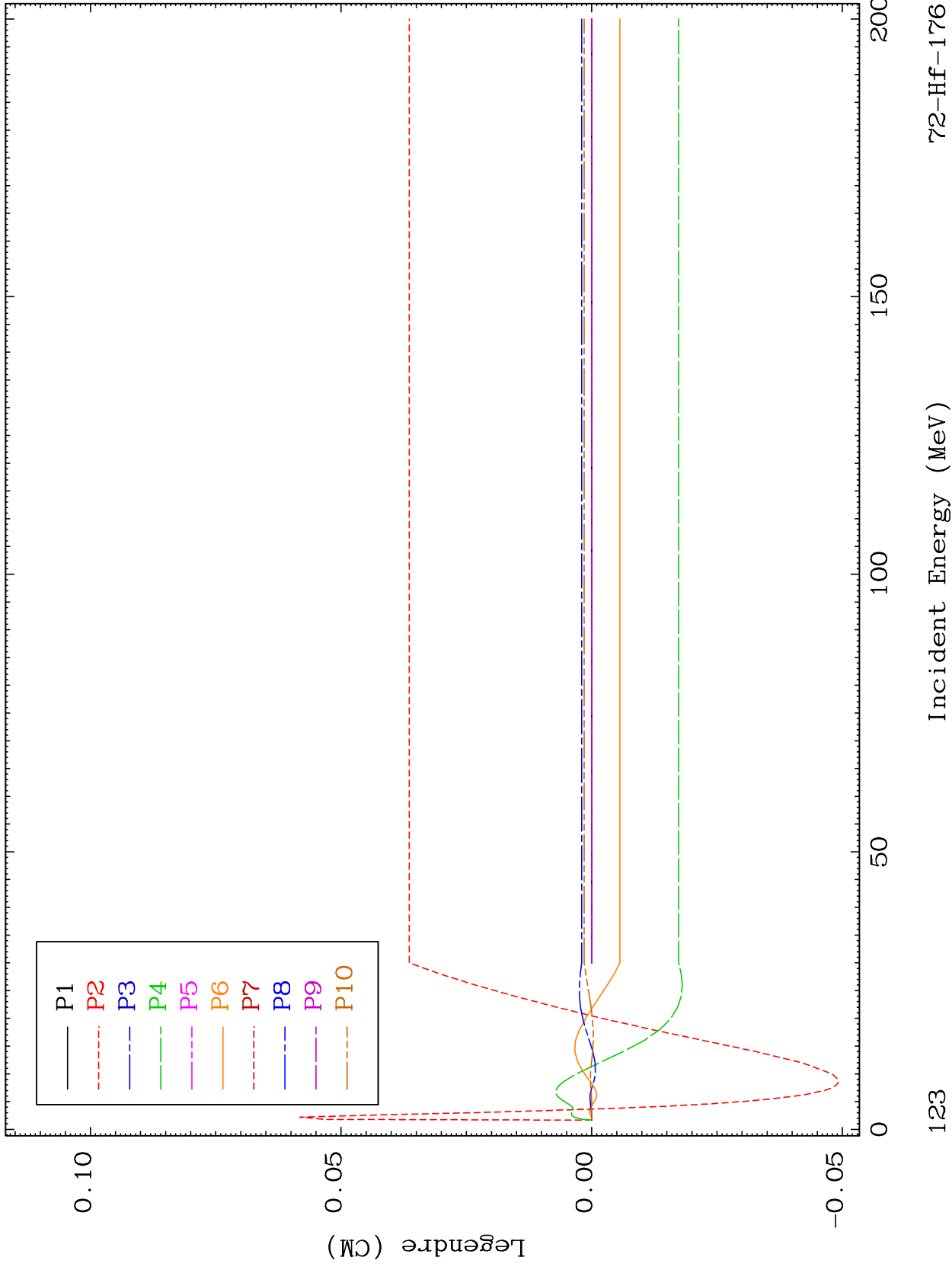
72-Hf-176



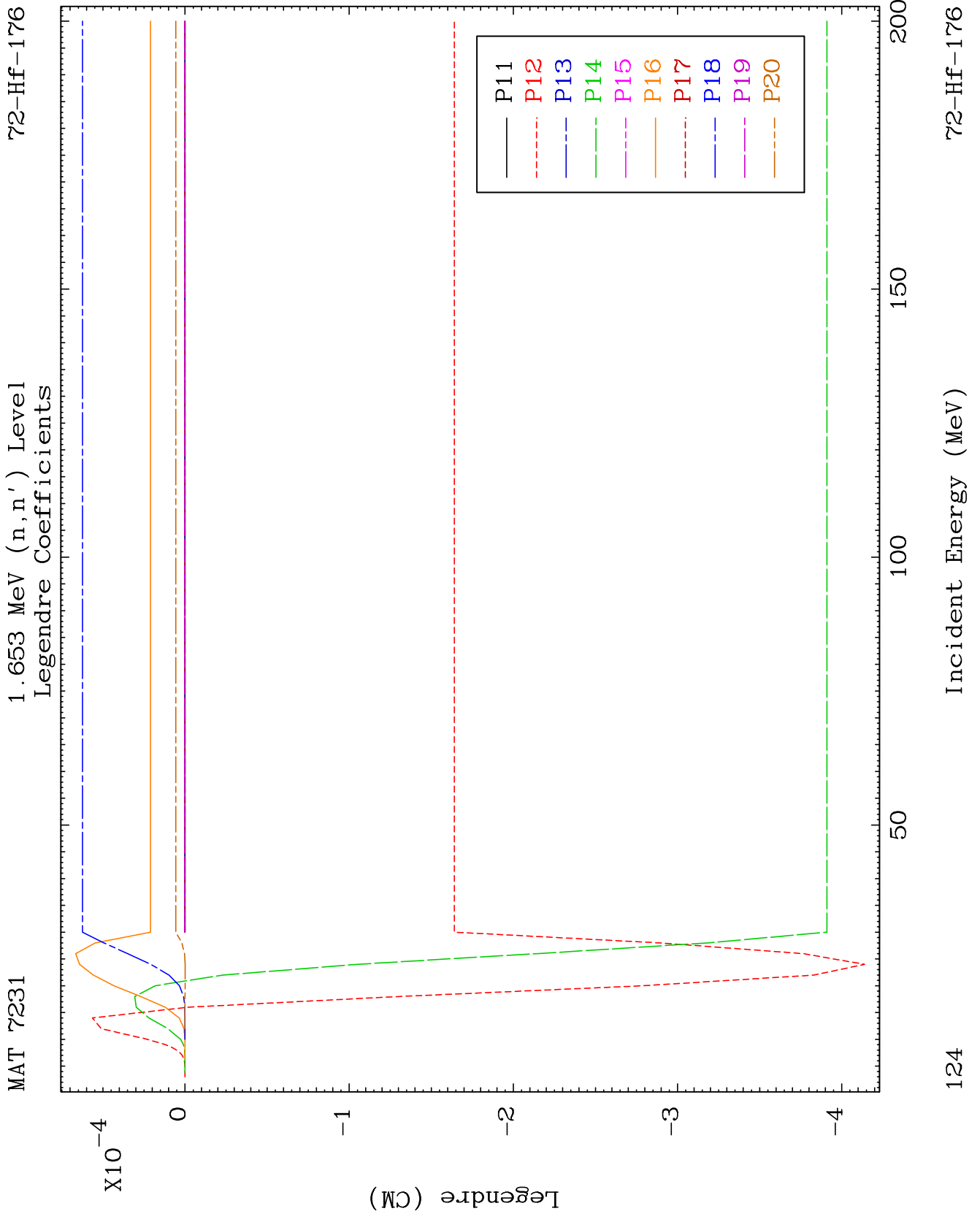
MAT 7231

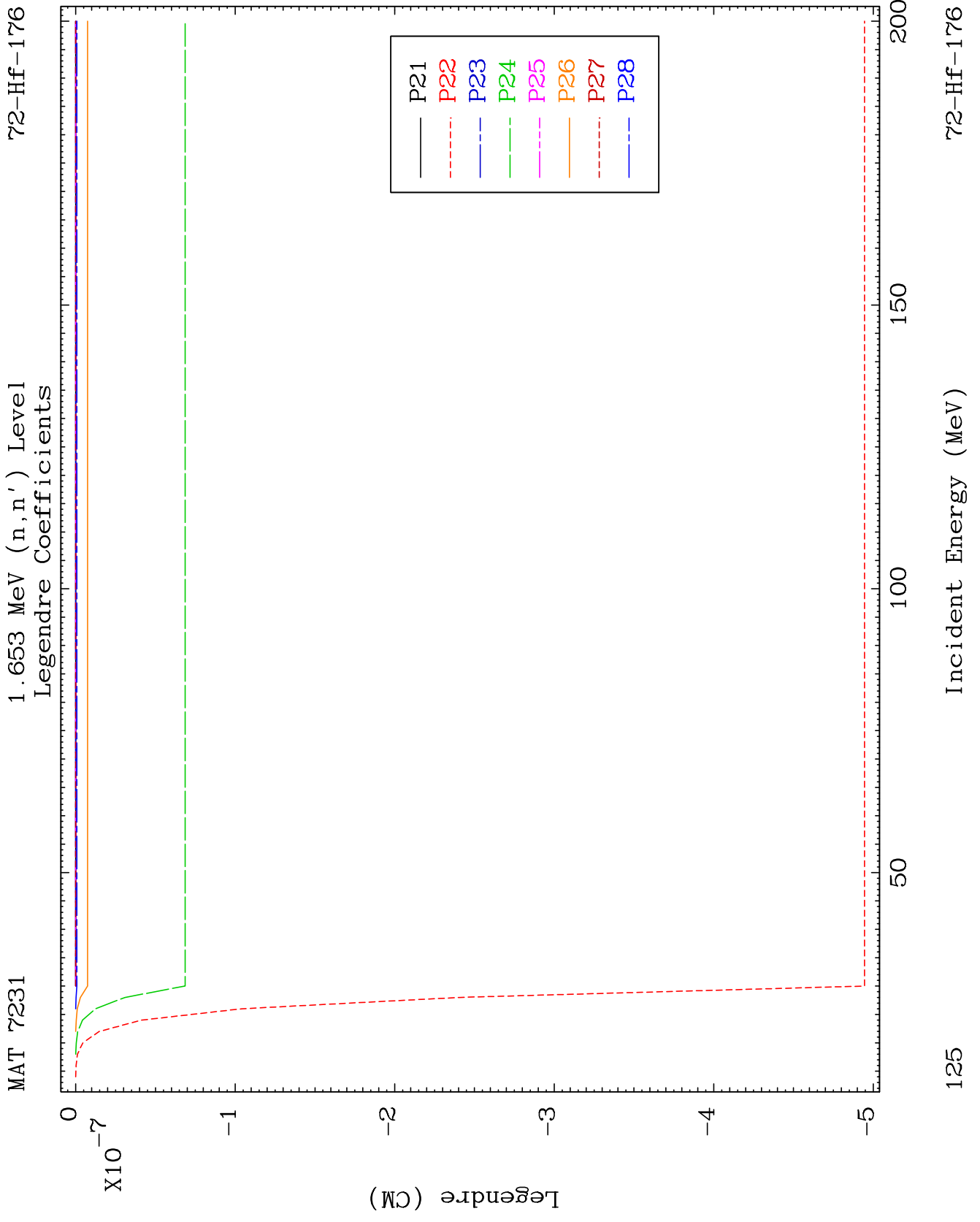
1.653 MeV (n,n') Level
Legendre Coefficients

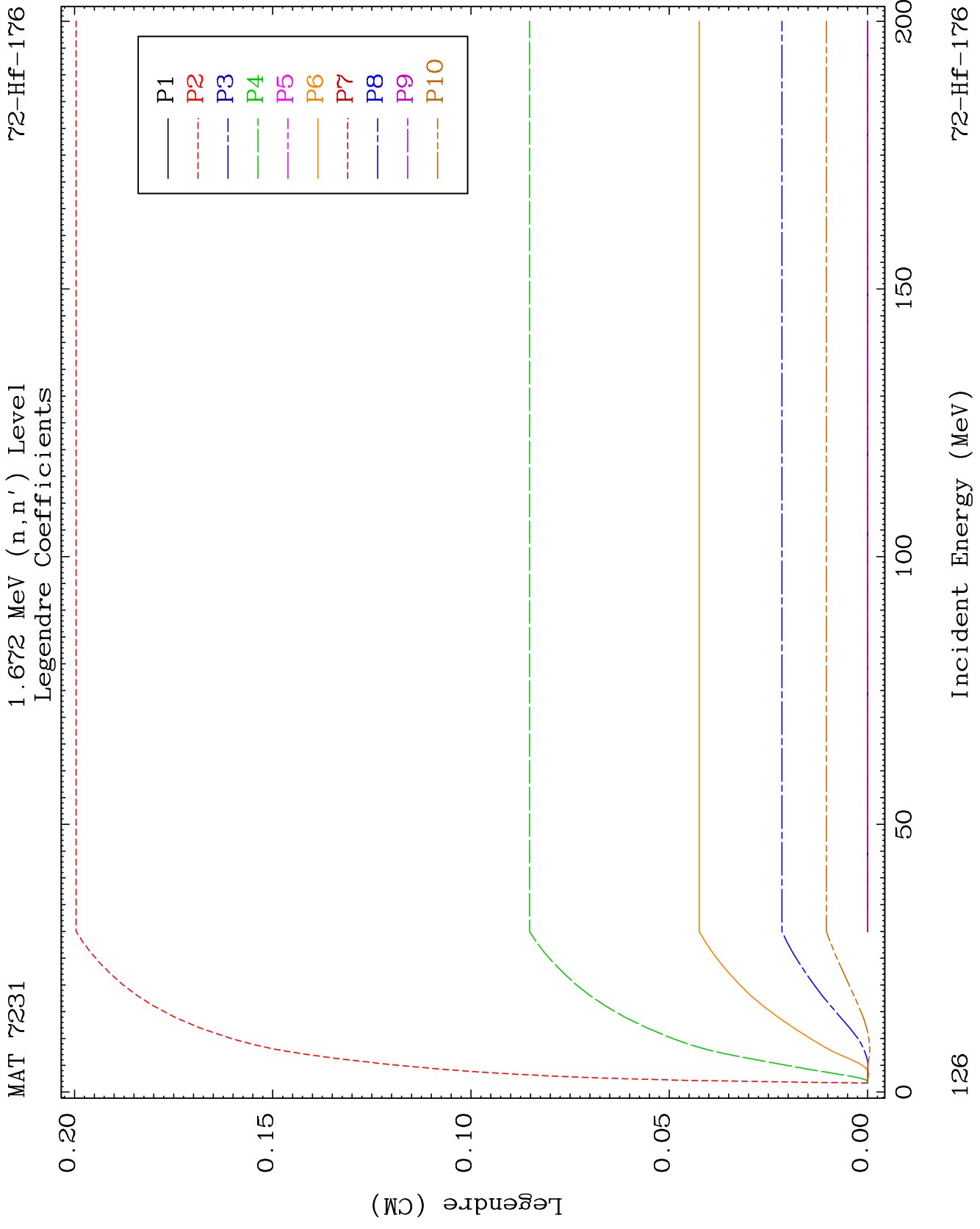
72-Hf-176

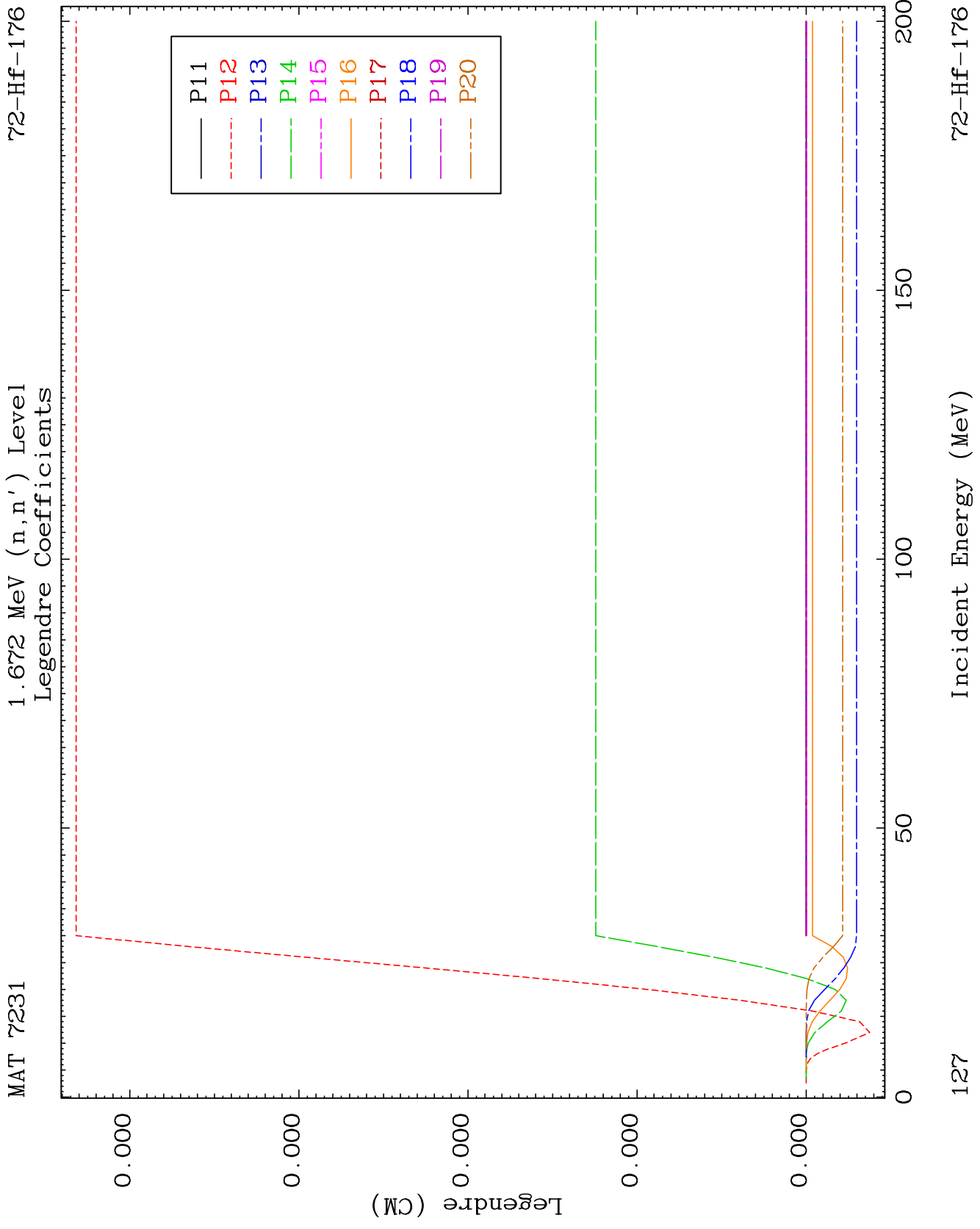


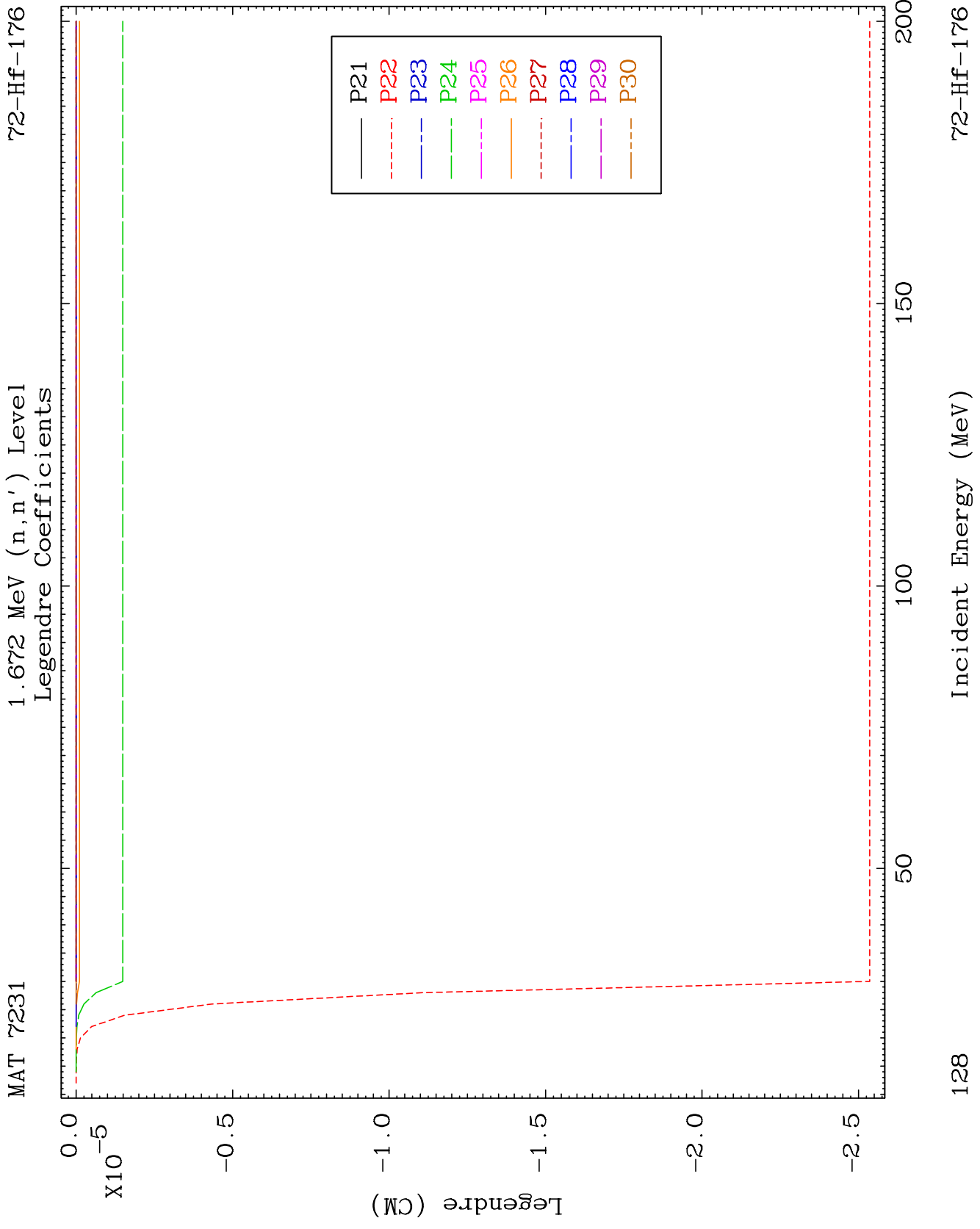
123



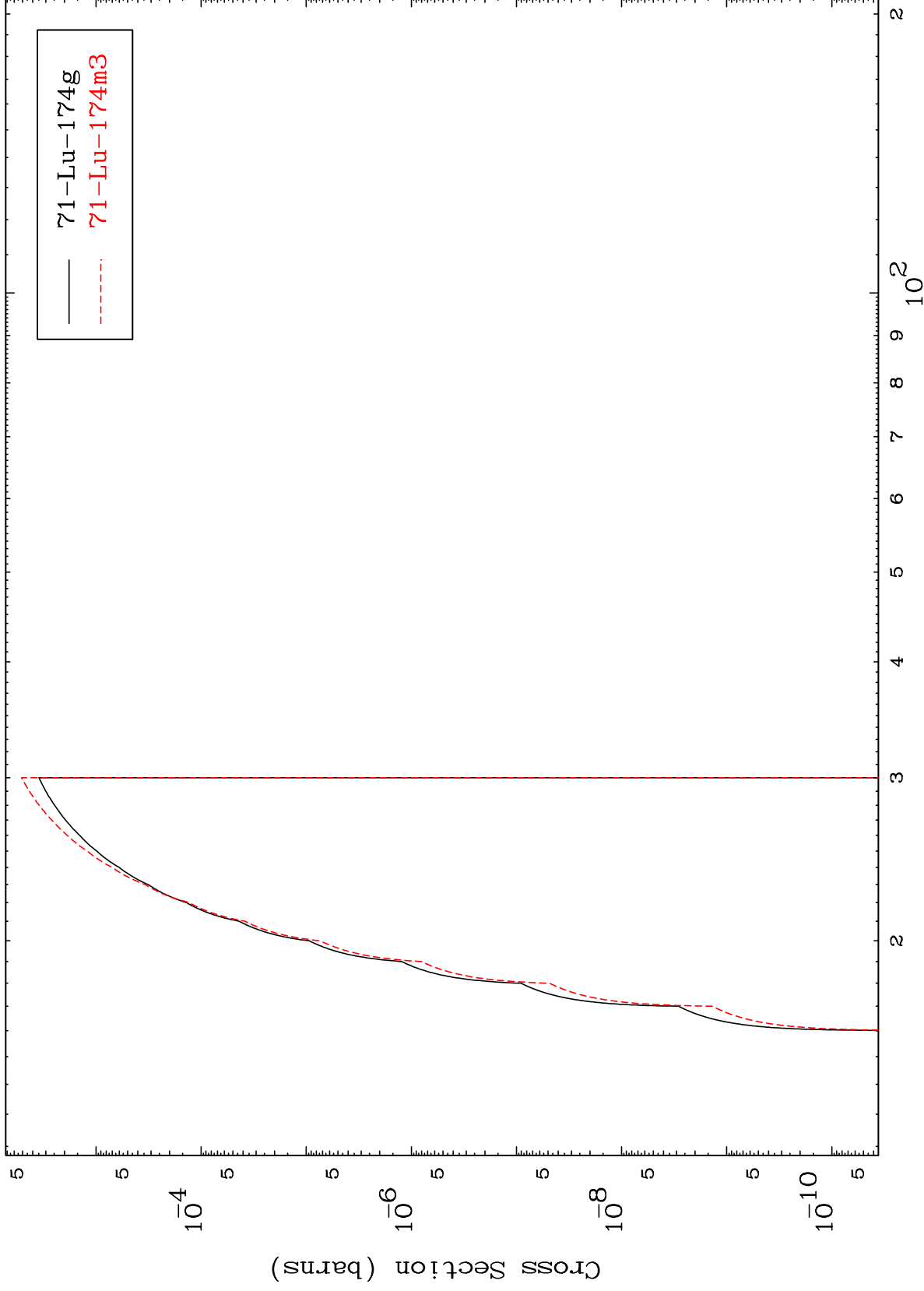








Radionuclide Production Cross Section

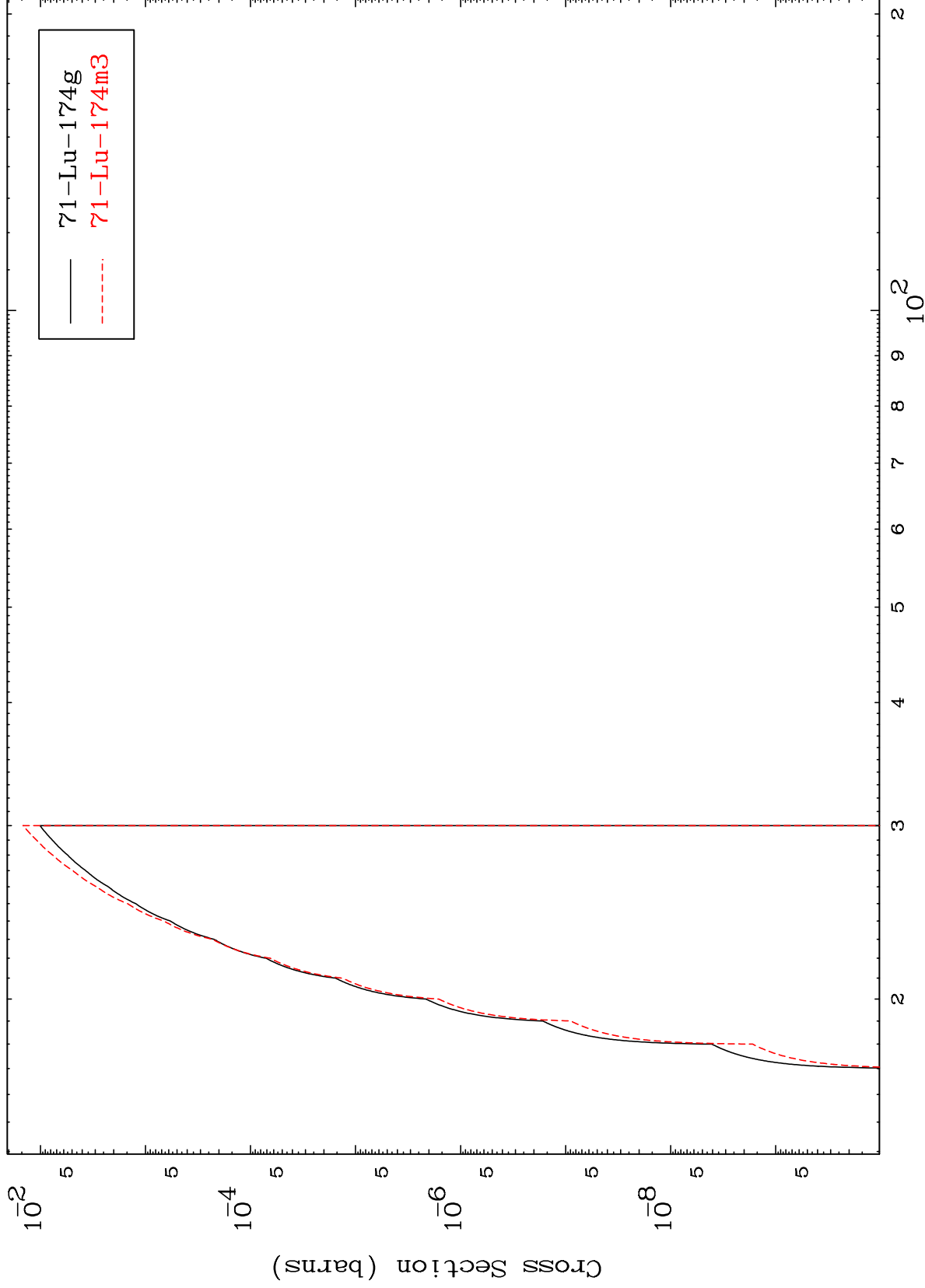


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(n,2n) p

72-Hf-176

Radionuclide Production Cross Section



130

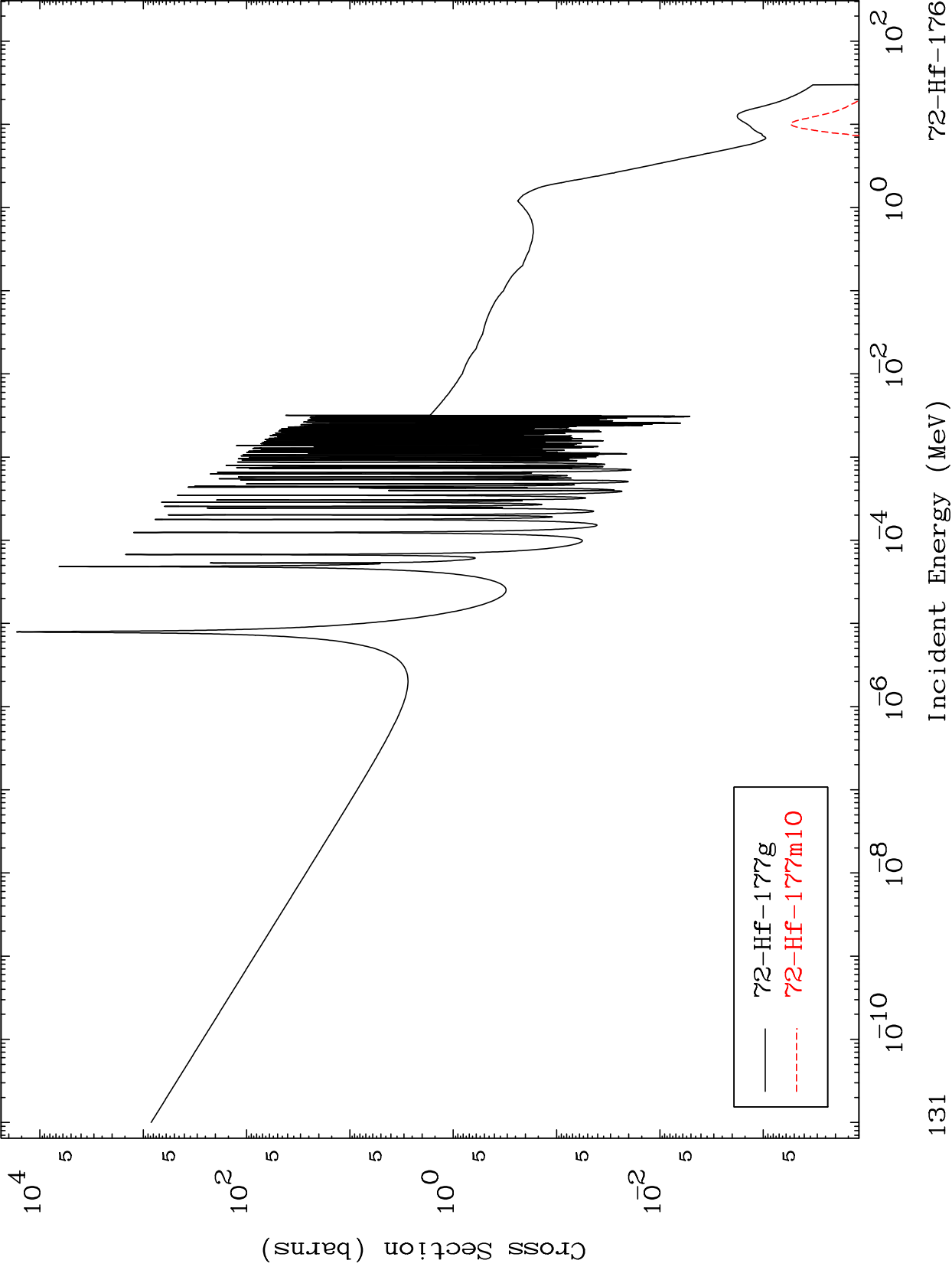
Incident Energy (MeV)

72-Hf-176

MAT 7231

72-Hf-176

(n, γ)
Radionuclide Production Cross Section



131

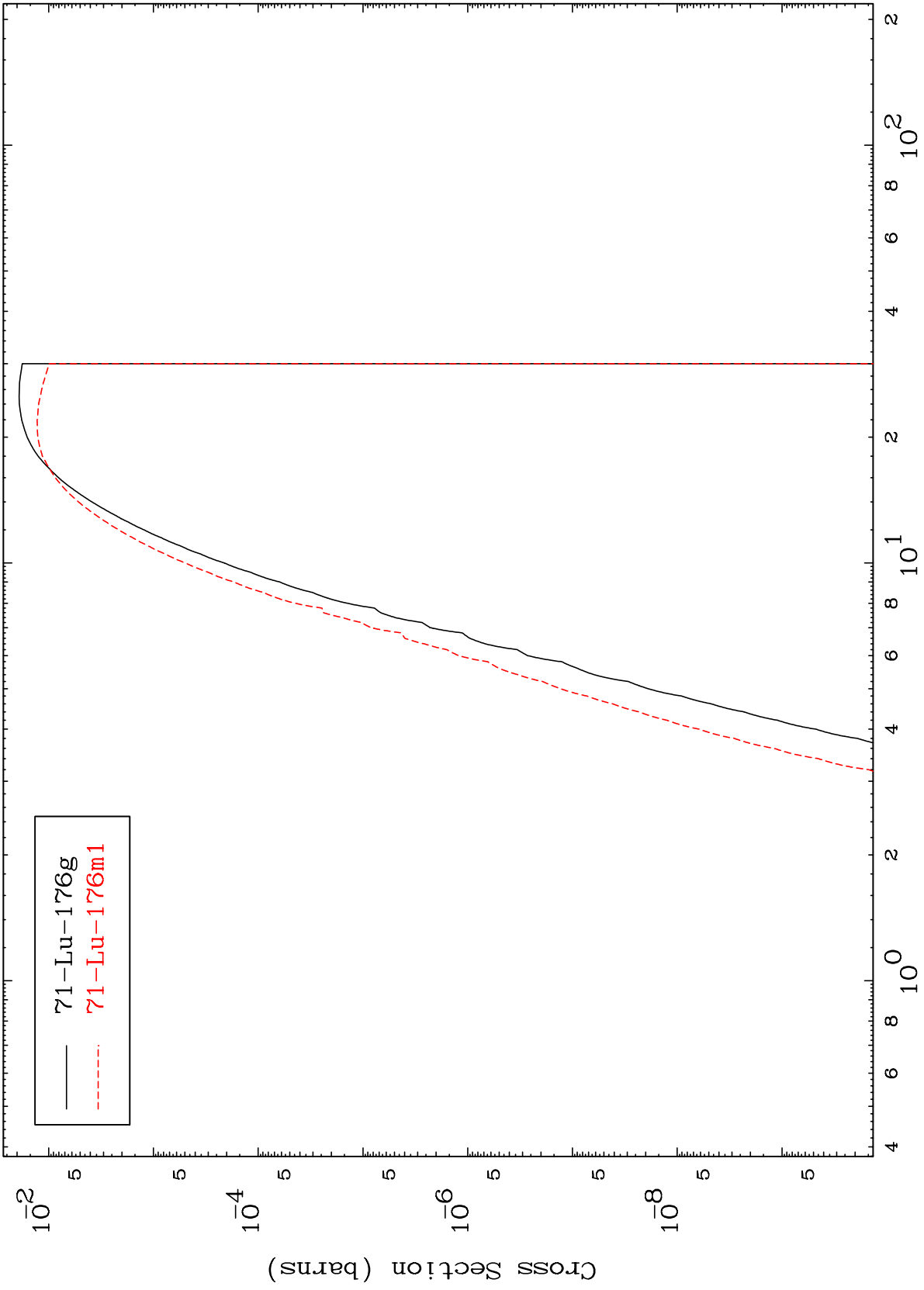
Incident Energy (MeV)

72-Hf-176

MAT 7231

72-Hf-176

(n,p)
Radionuclide Production Cross Section



132

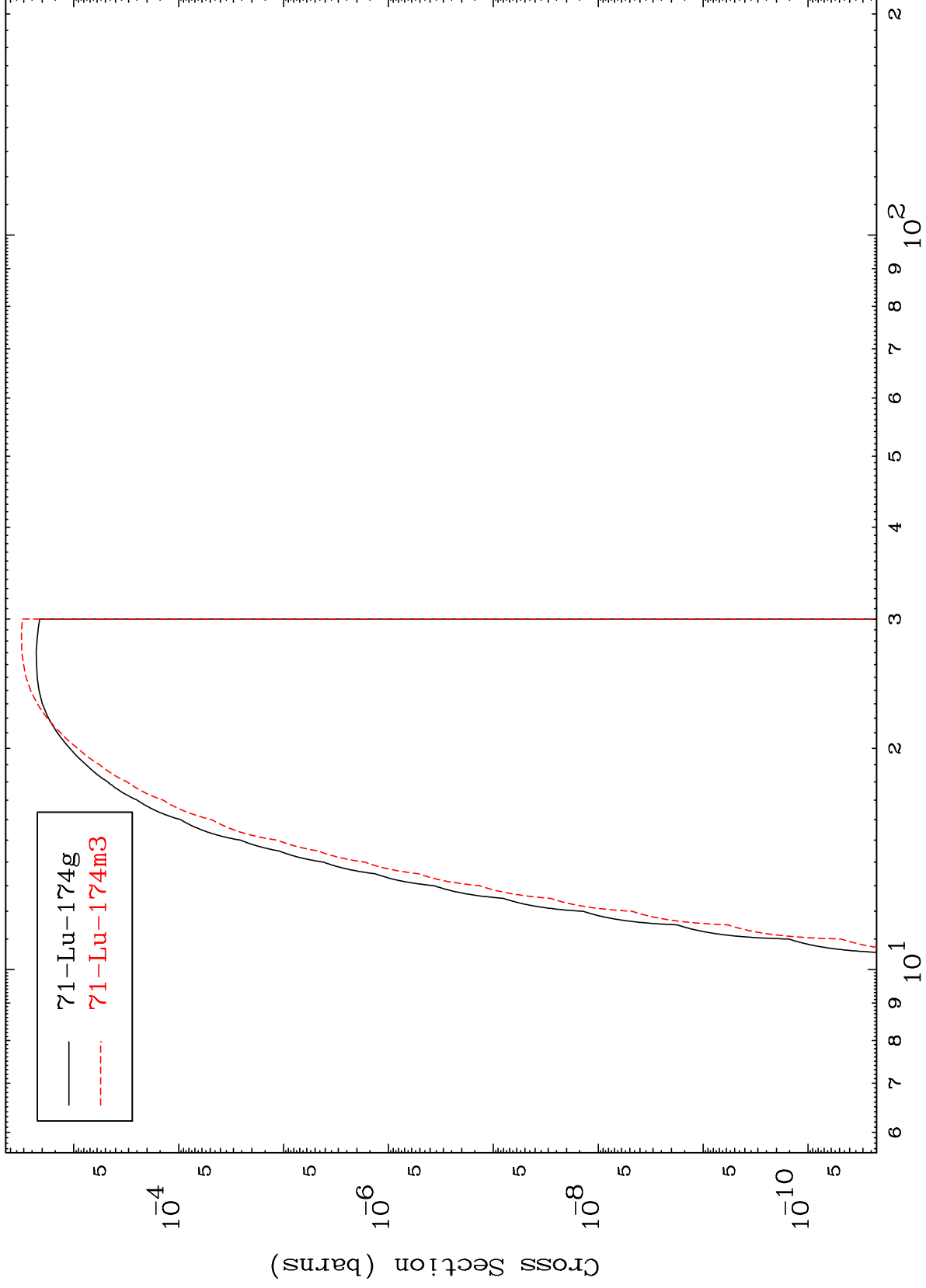
Incident Energy (MeV)

72-Hf-176

MAT 7231

72-Hf-176

(n, t)
Radionuclide Production Cross Section



133

Incident Energy (MeV)

72-Hf-176