

Program EVALPLOT
(Version 2015-2)

by

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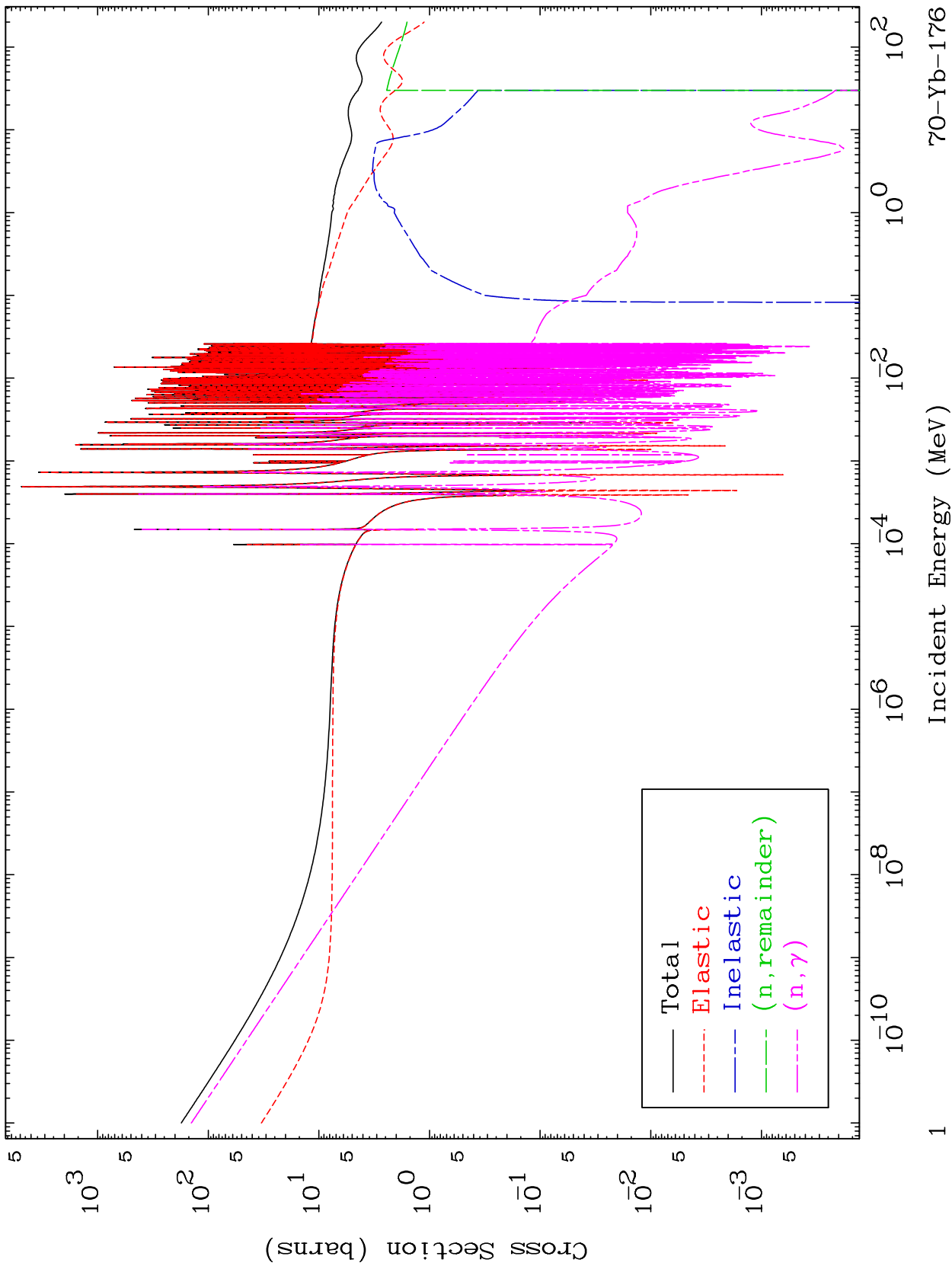
Press Mouse Button to Start

MAT 7049

Major

293 Kelvin Cross Sections

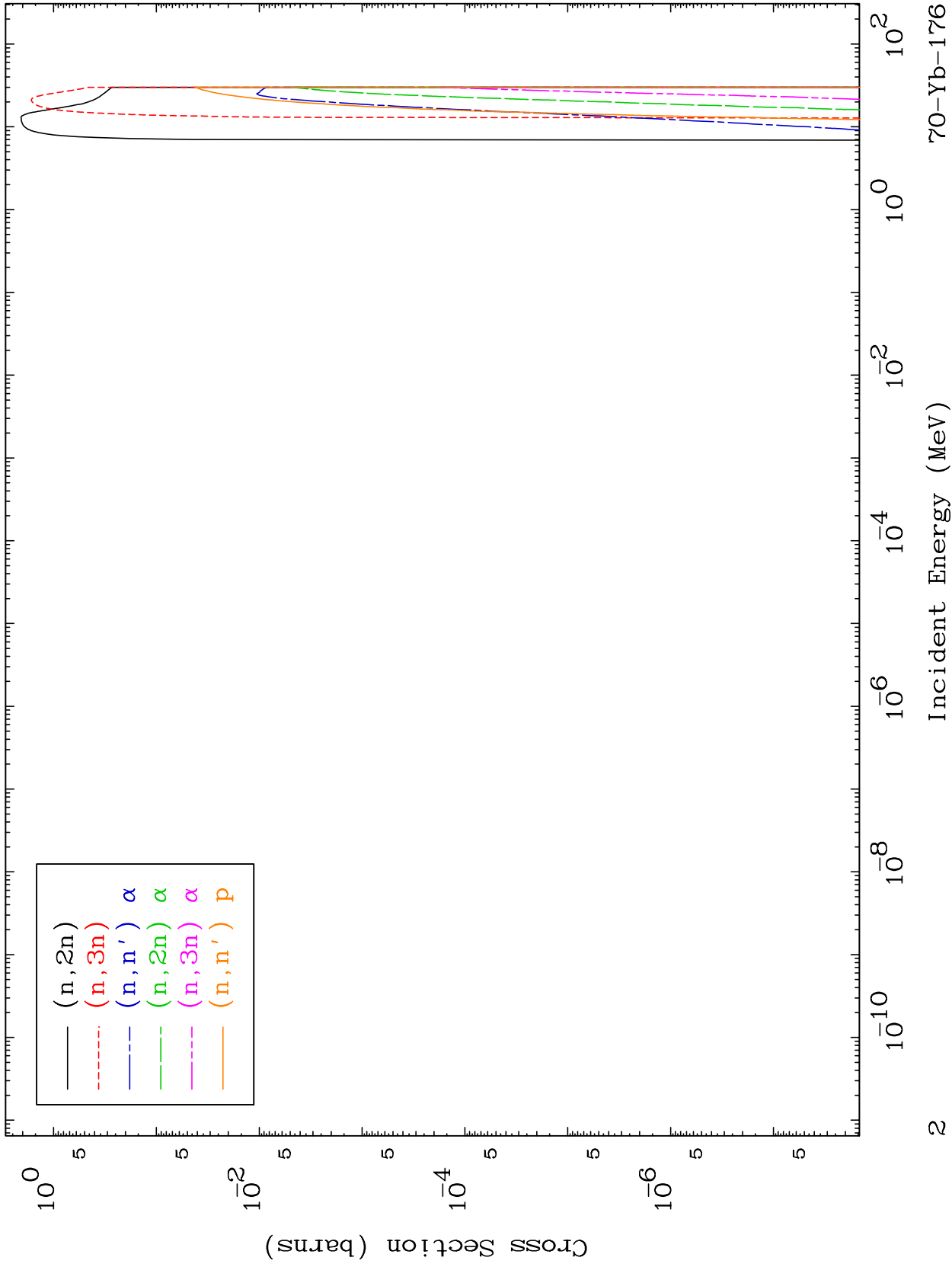
70-Yb-176

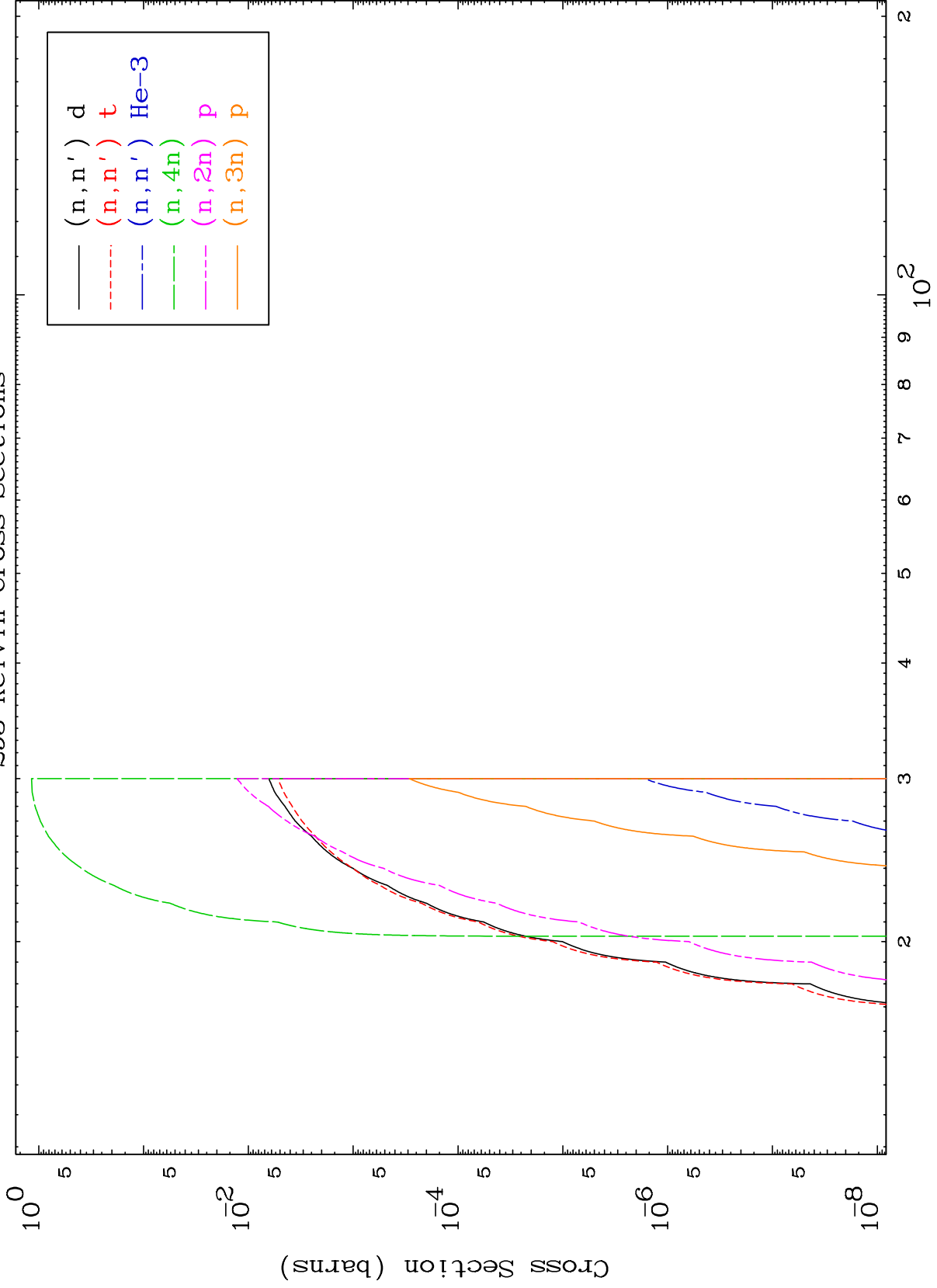


MAT 7049

Neutron Production
293 Kelvin Cross Sections

70-Yb-176

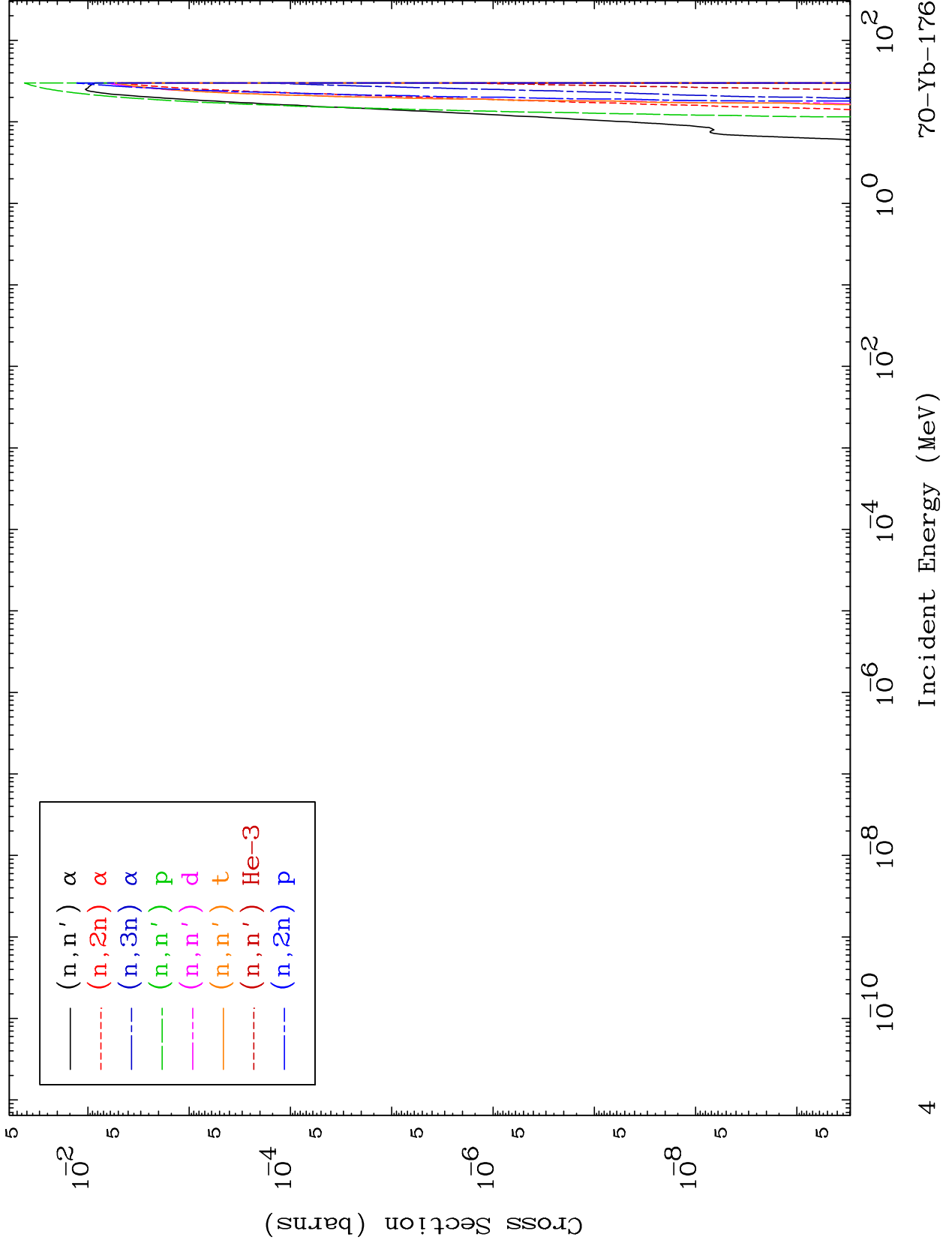




MAT 7049

Charged Particle
293 Kelvin Cross Sections

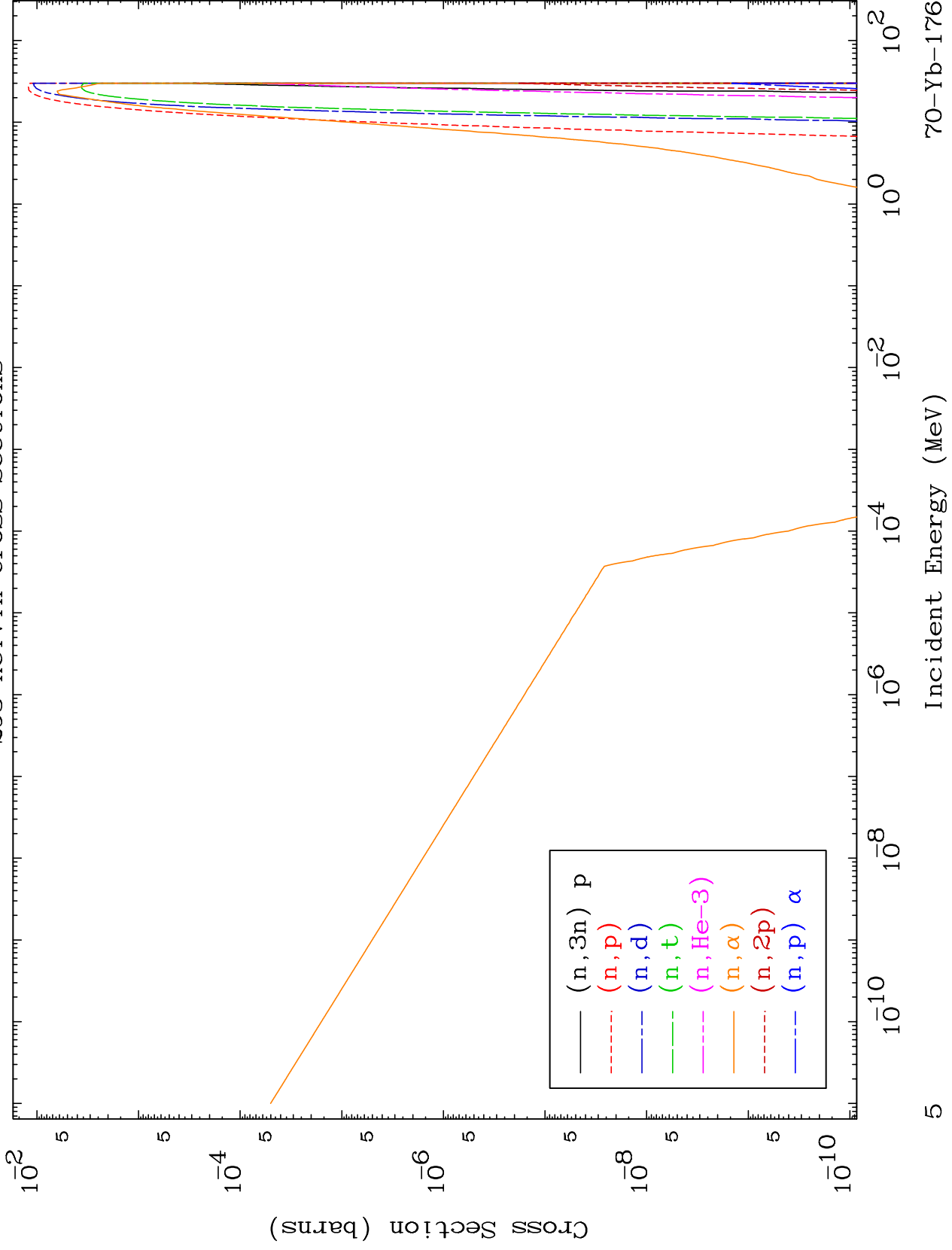
70-Yb-176

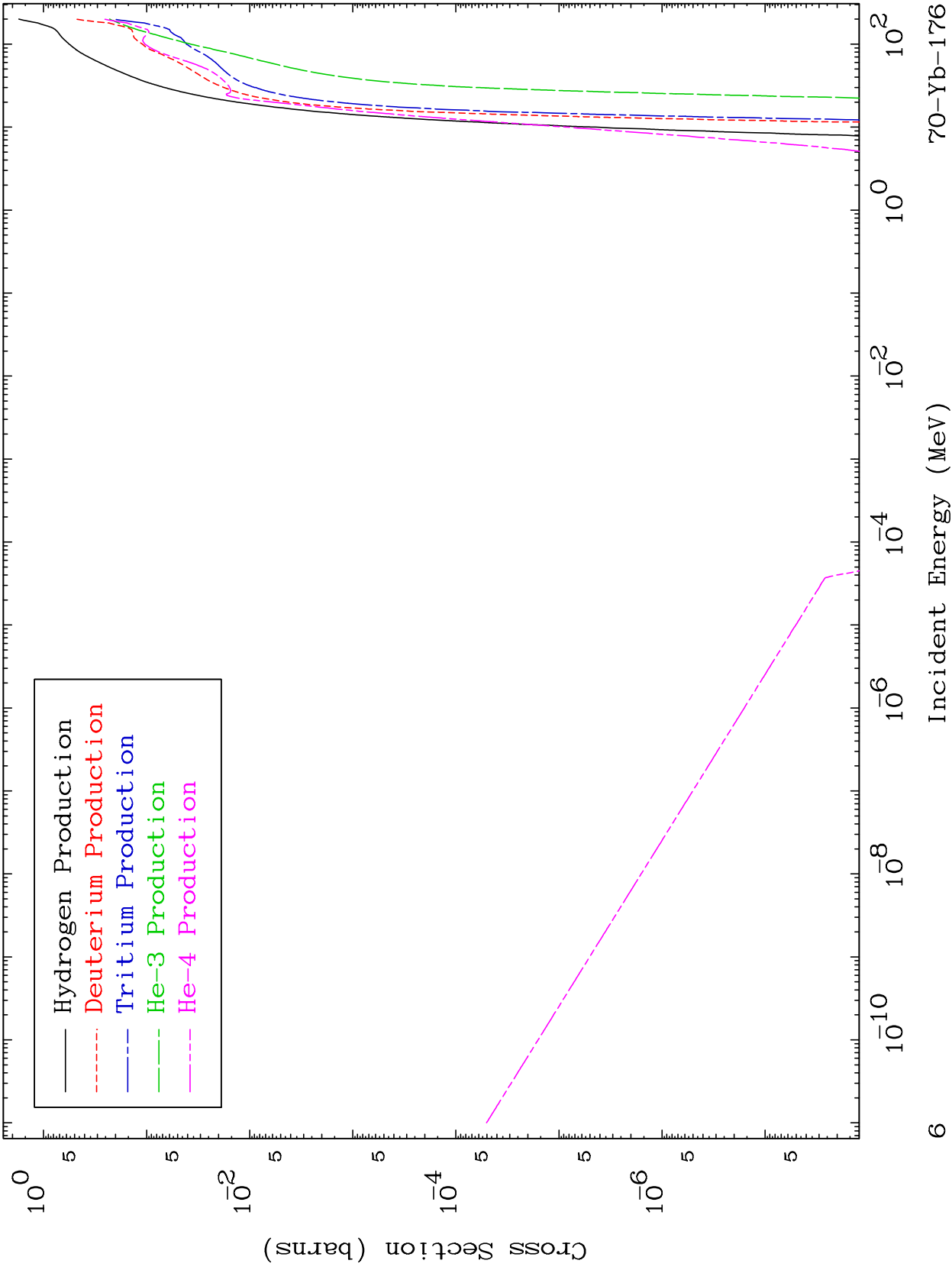


MAT 7049

Charged Particle
293 Kelvin Cross Sections

70-Yb-176

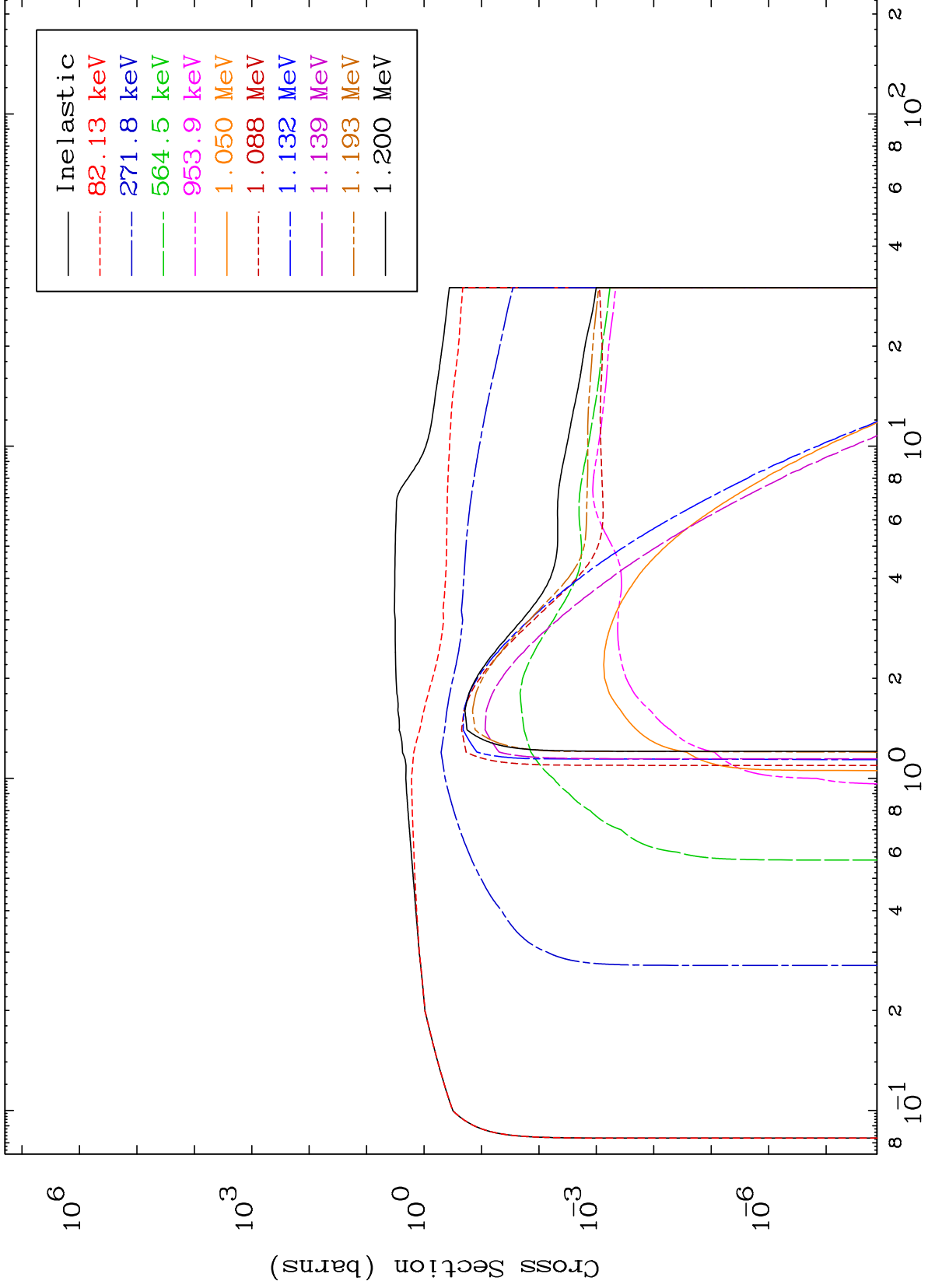




MAT 7049

(n,n') Level
293 Kelvin Cross Sections

70-Yb-176



Incident Energy (MeV)

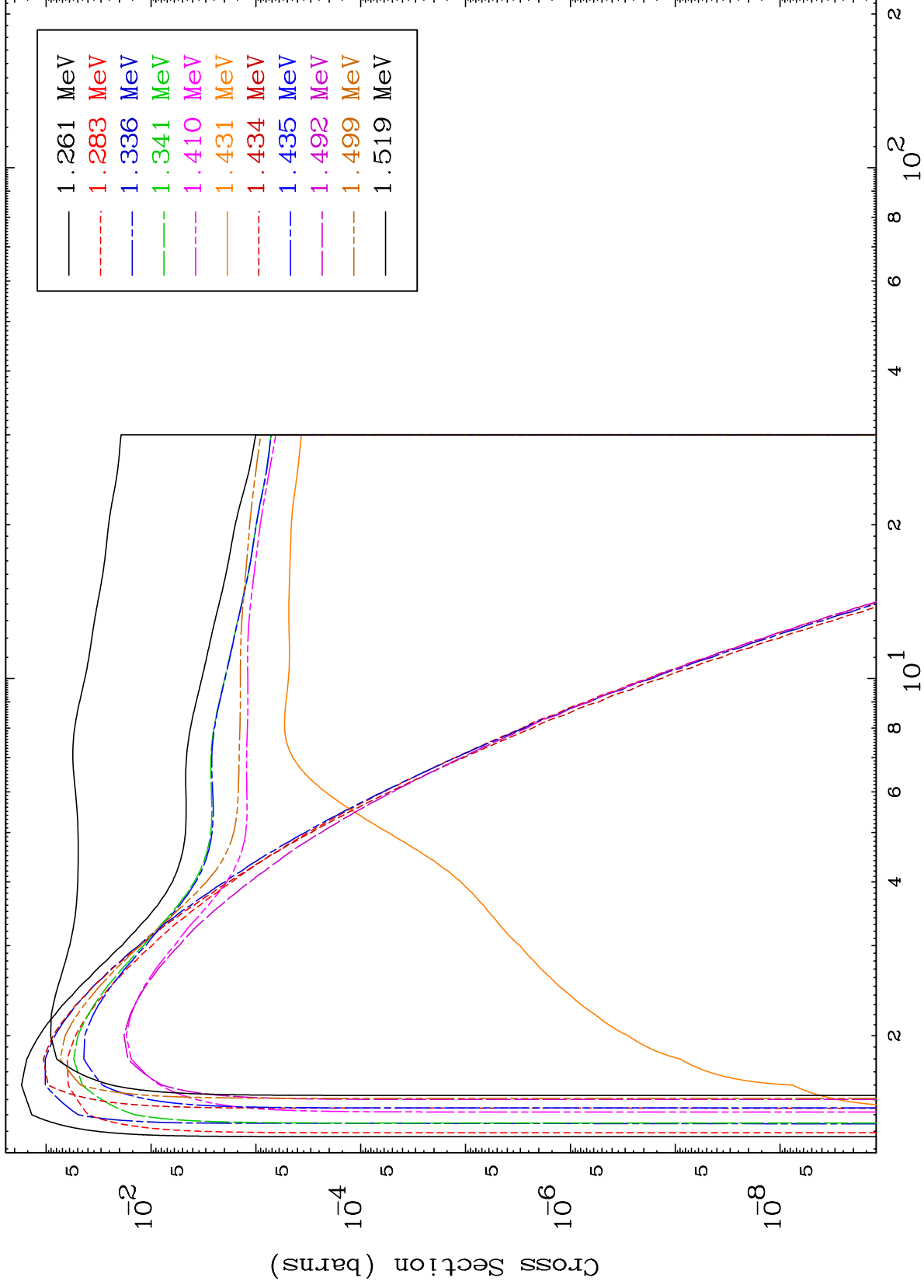
70-Yb-176

7

MAT 7049

(n,n') Level
293 Kelvin Cross Sections

70-Yb-176



8

Incident Energy (MeV)

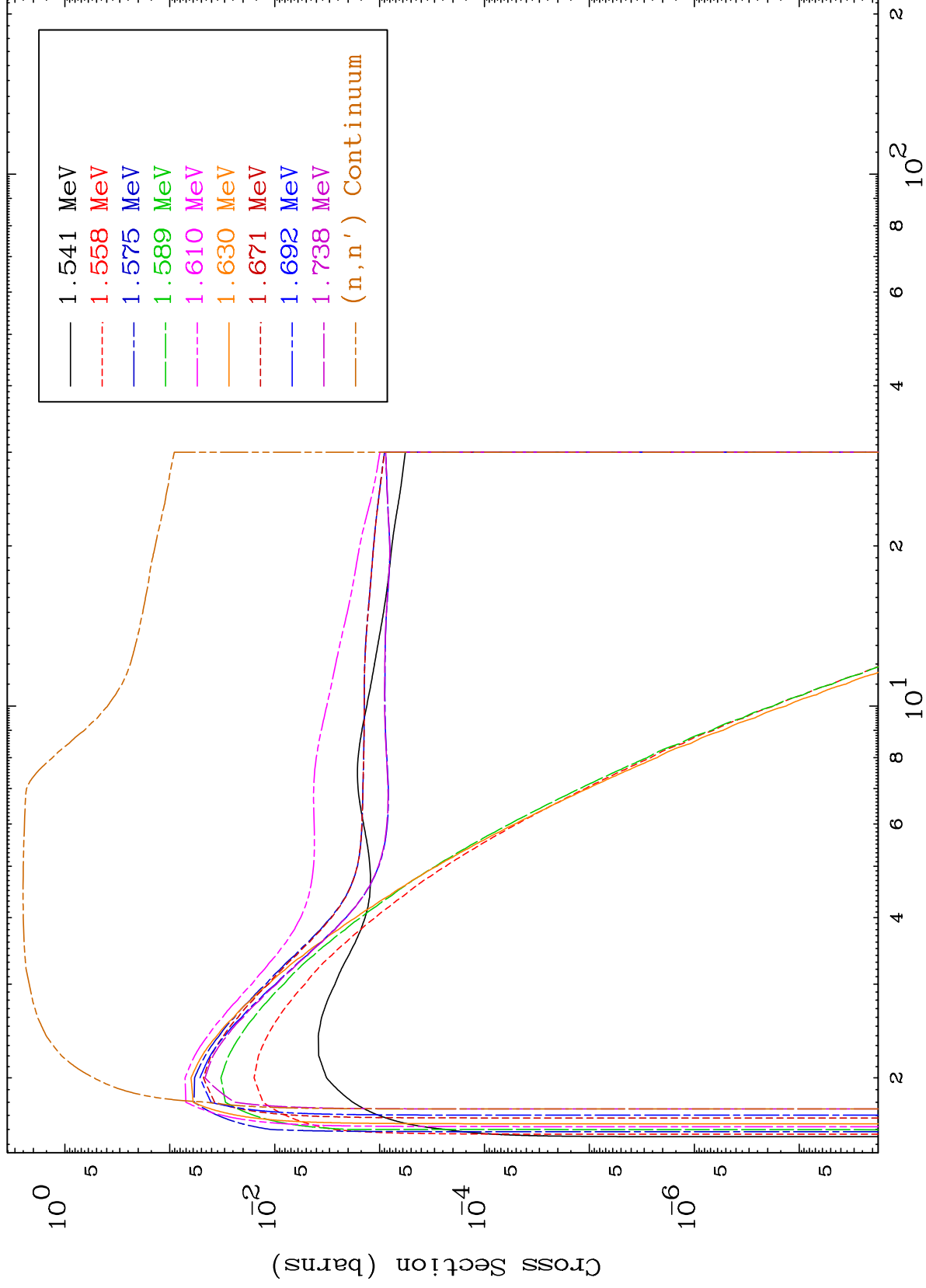
70-Yb-176

MAT 7049

(n,n') Level

70-Yb-176

293 Kelvin Cross Sections



9

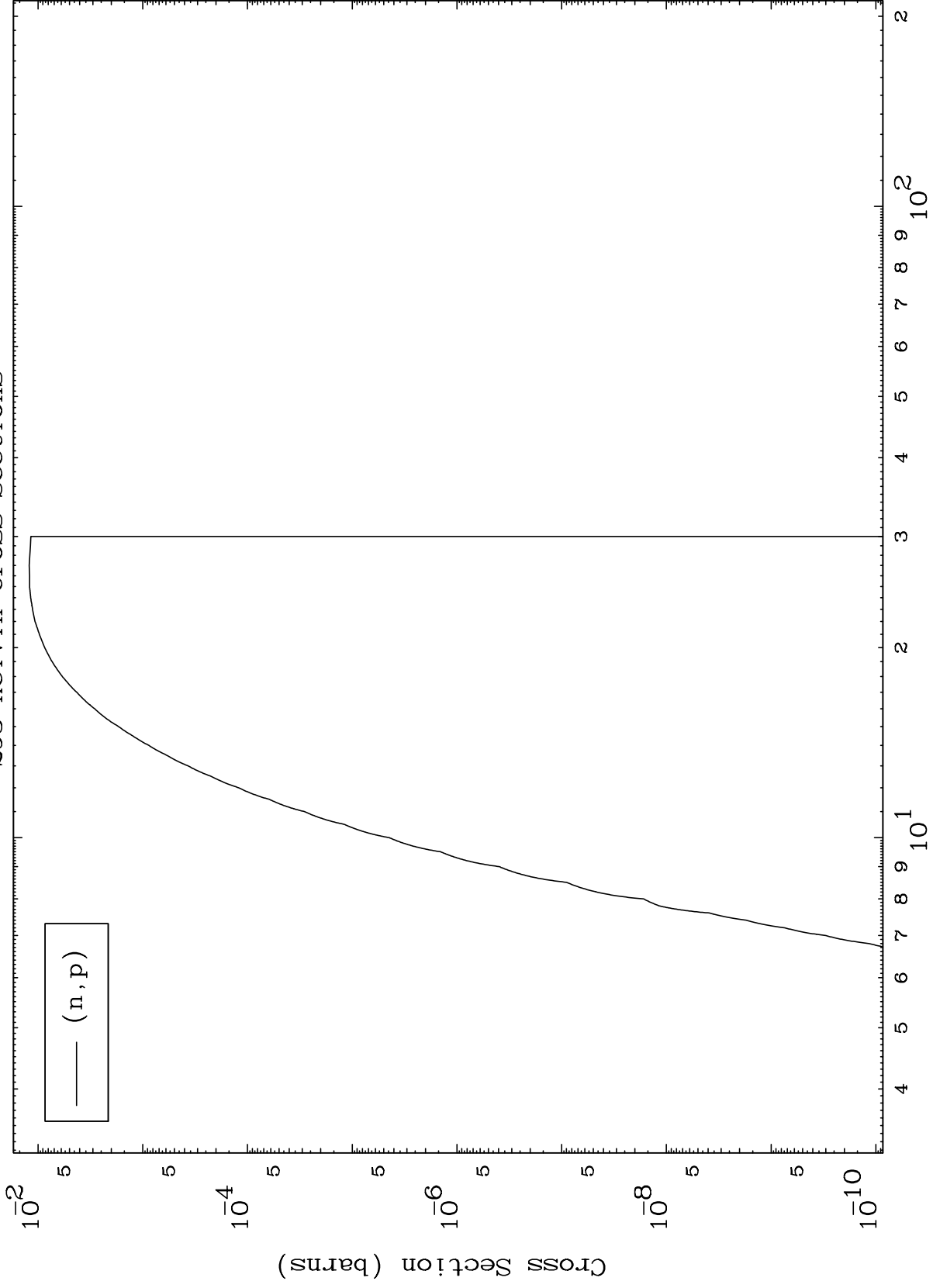
Incident Energy (MeV)

70-Yb-176

MAT 7049

(n,p) Levels
293 Kelvin Cross Sections

70-Yb-176



10

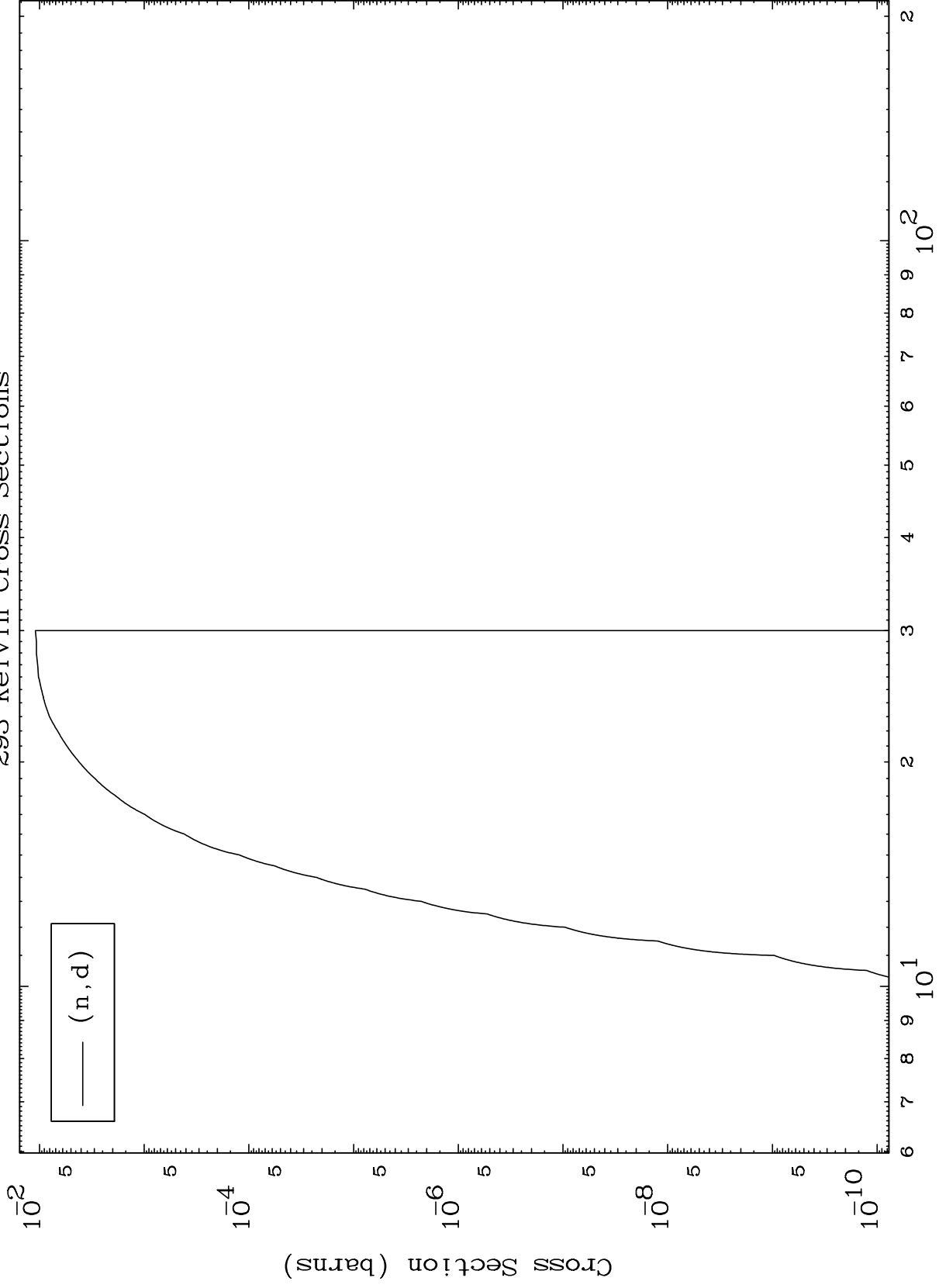
Incident Energy (MeV)

70-Yb-176

MAT 7049

(n,d) Levels
293 Kelvin Cross Sections

70-Yb-176



11

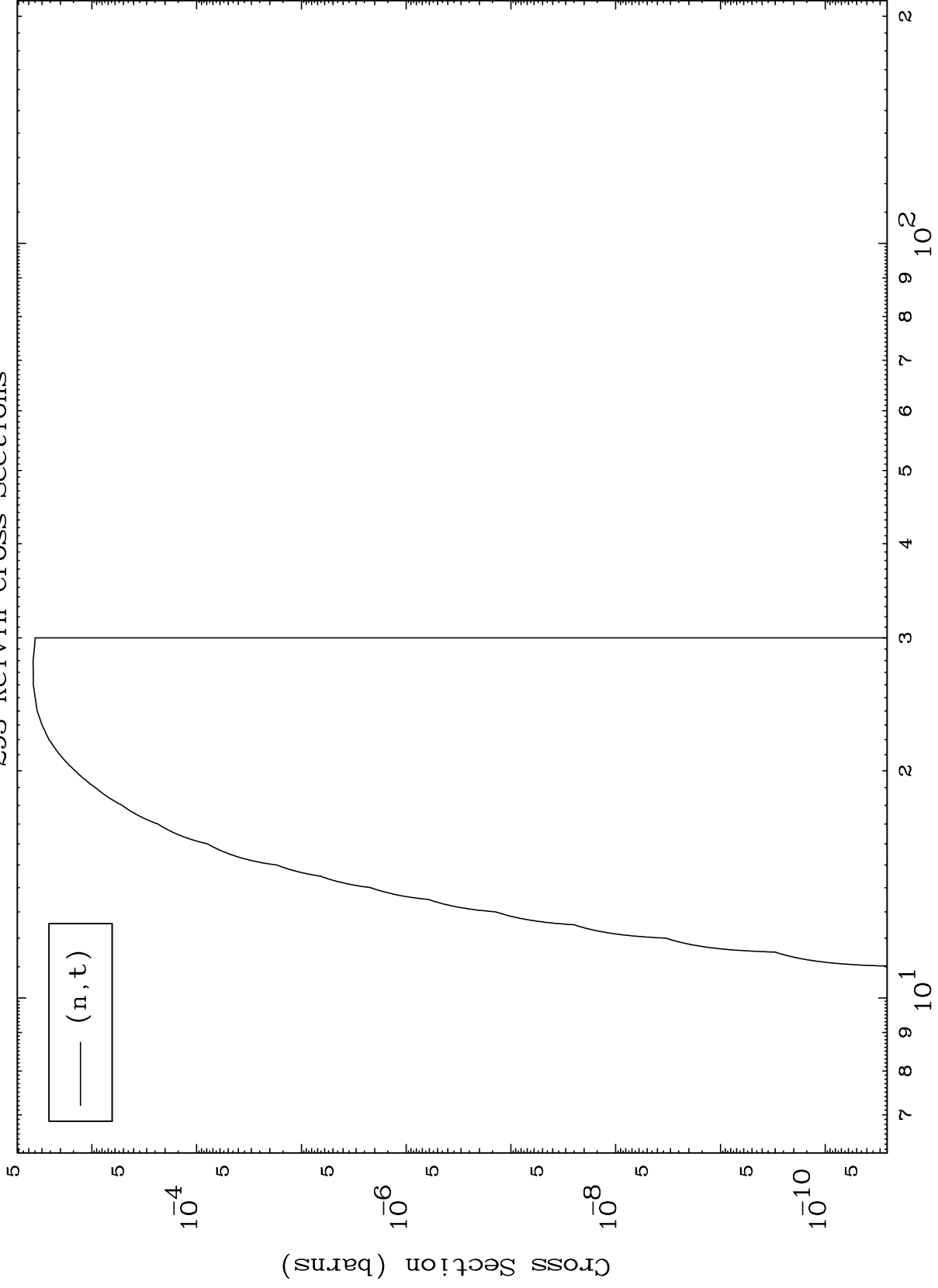
Incident Energy (MeV)

70-Yb-176

MAT 7049

(n,t) Levels
293 Kelvin Cross Sections

70-Yb-176



12

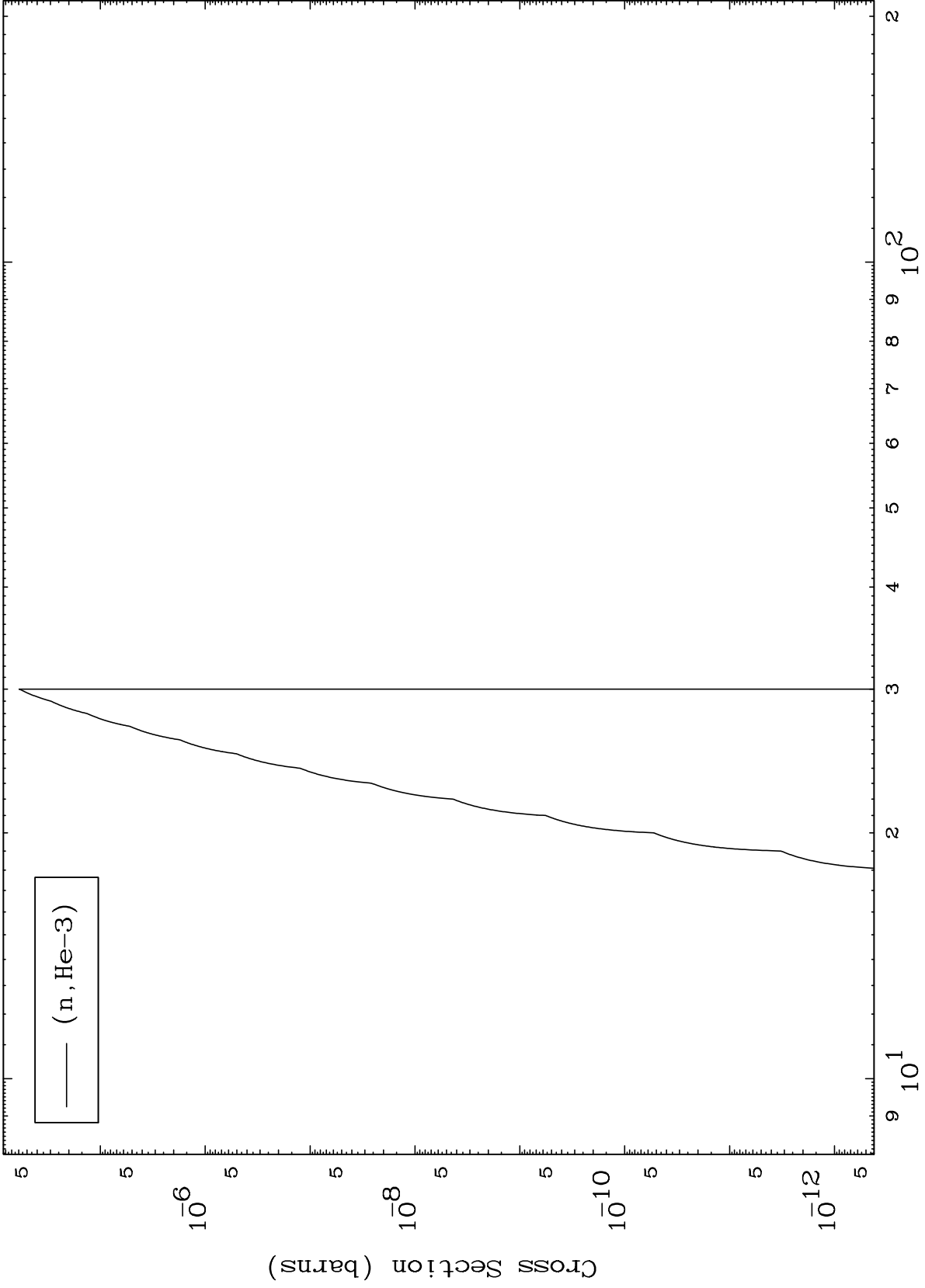
Incident Energy (MeV)

70-Yb-176

MAT 7049

(n,He3) Levels
293 Kelvin Cross Sections

70-Yb-176



13

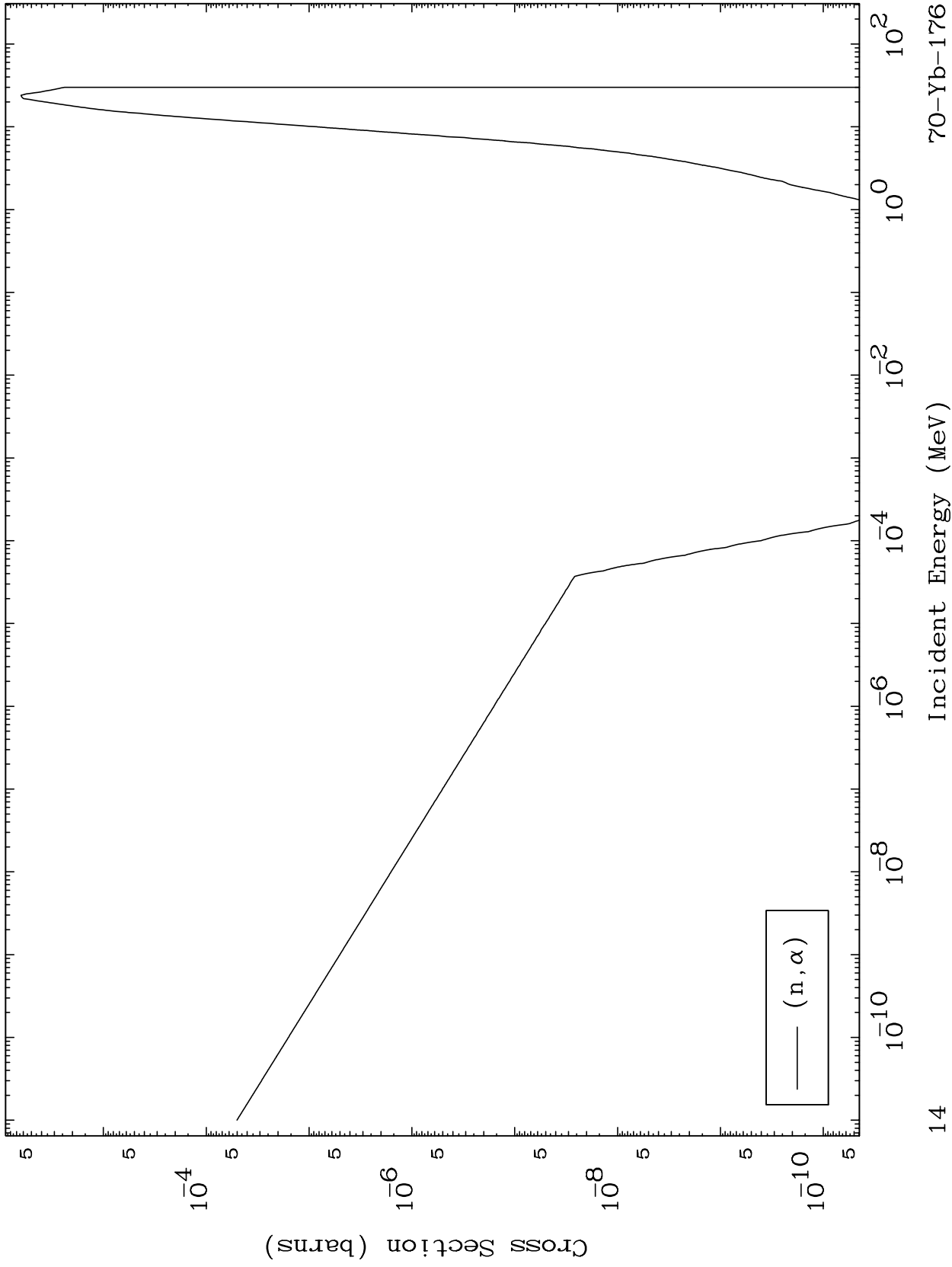
Incident Energy (MeV)

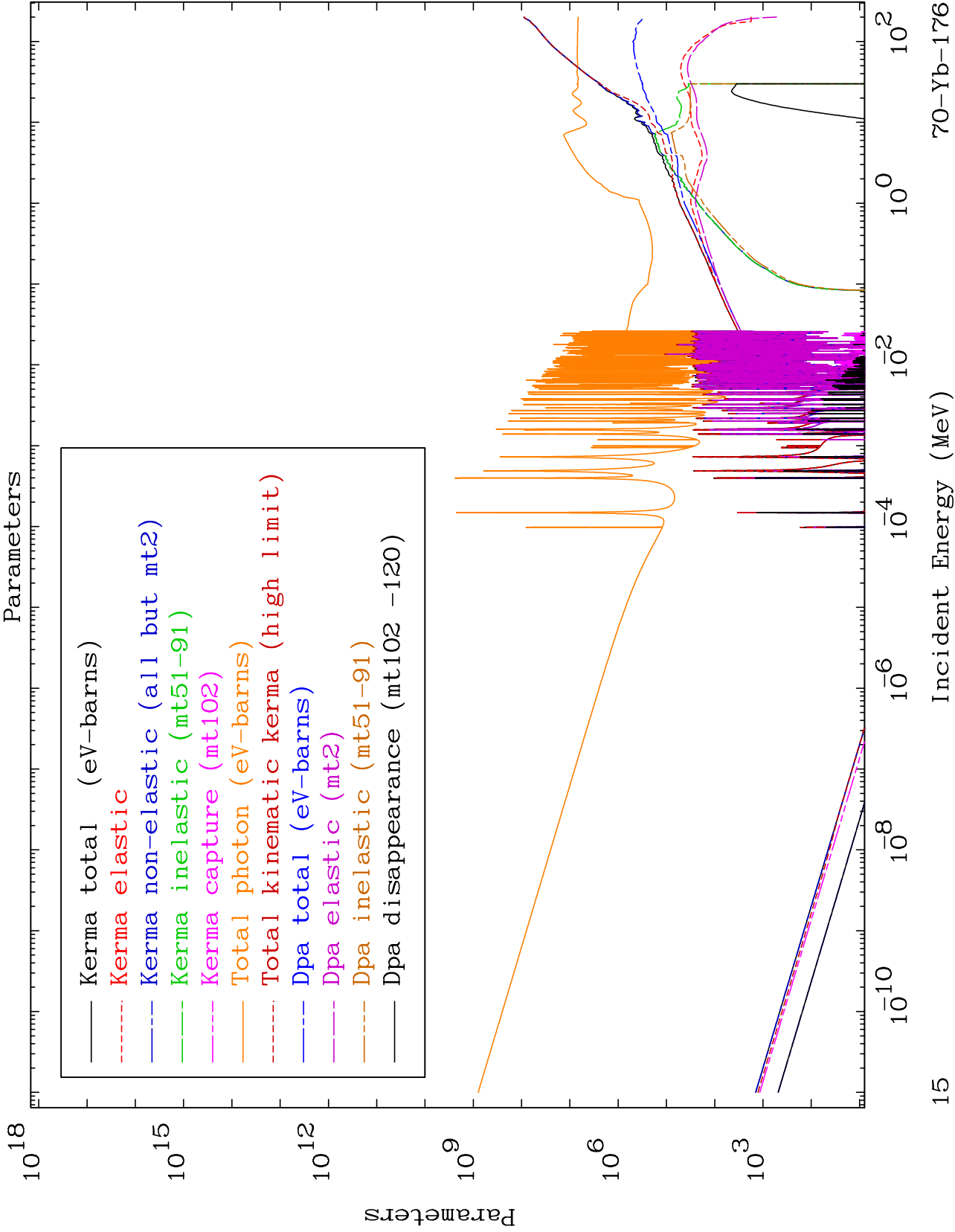
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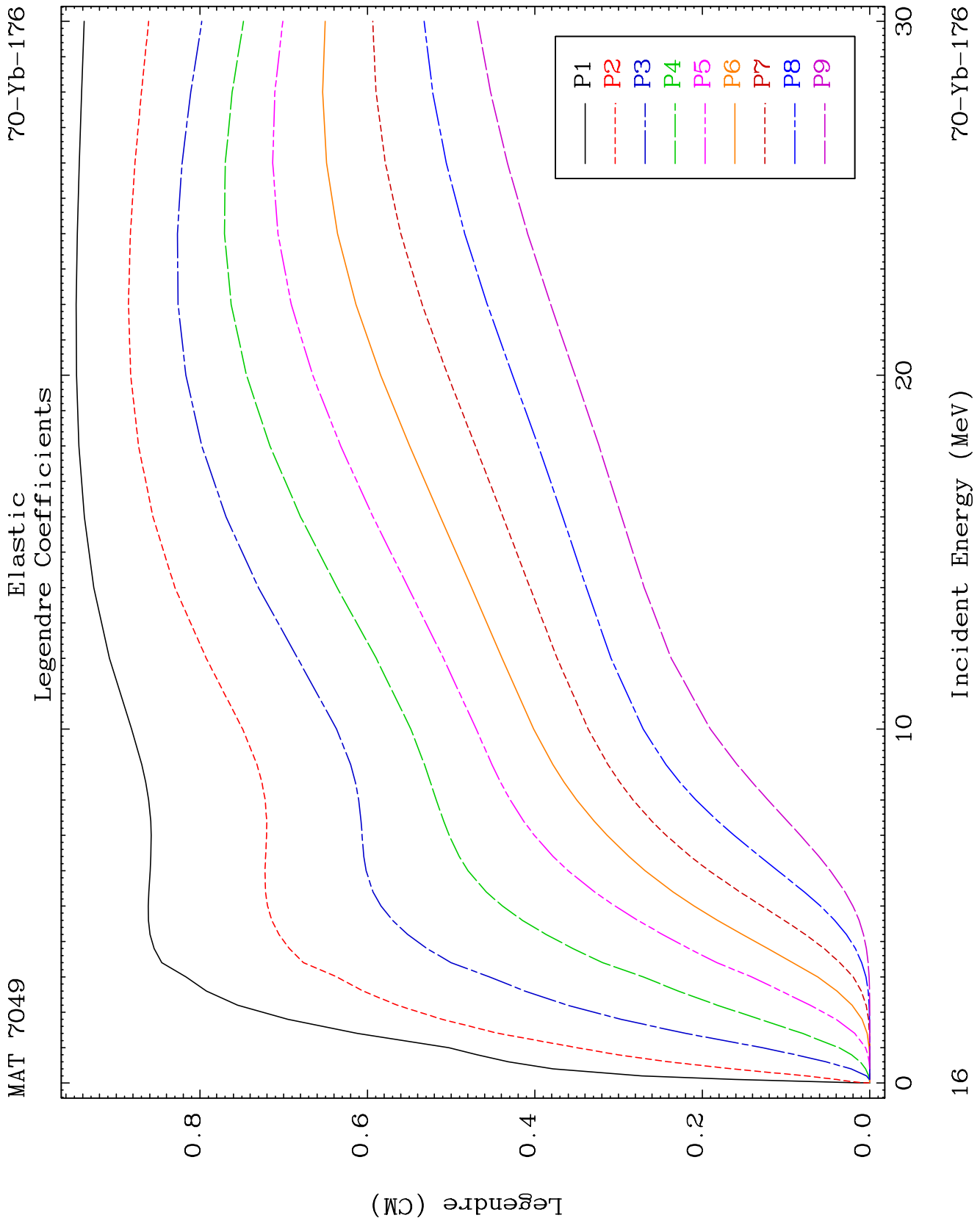
MAT 7049

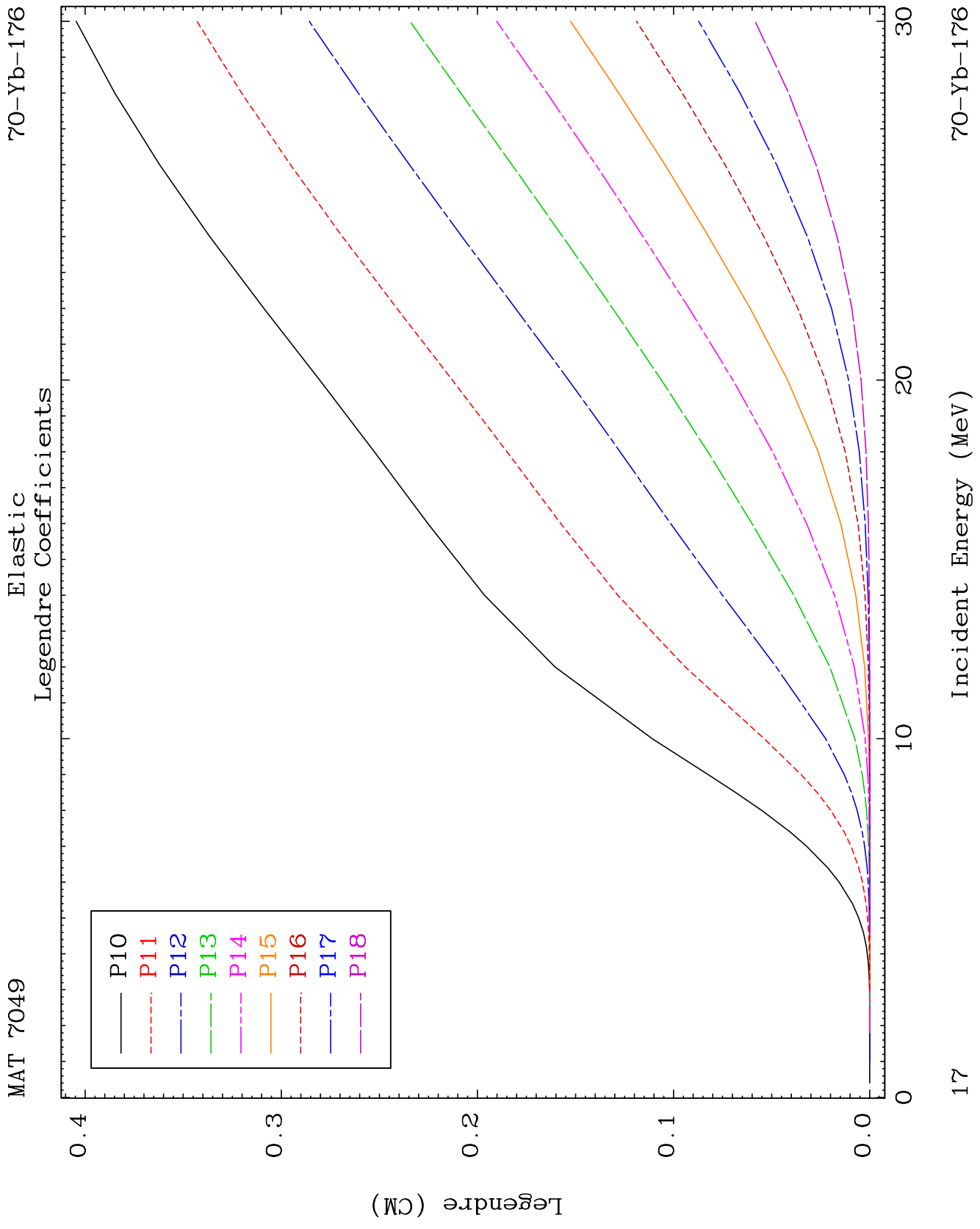
(n, α) Levels
293 Kelvin Cross Sections

70-Yb-176





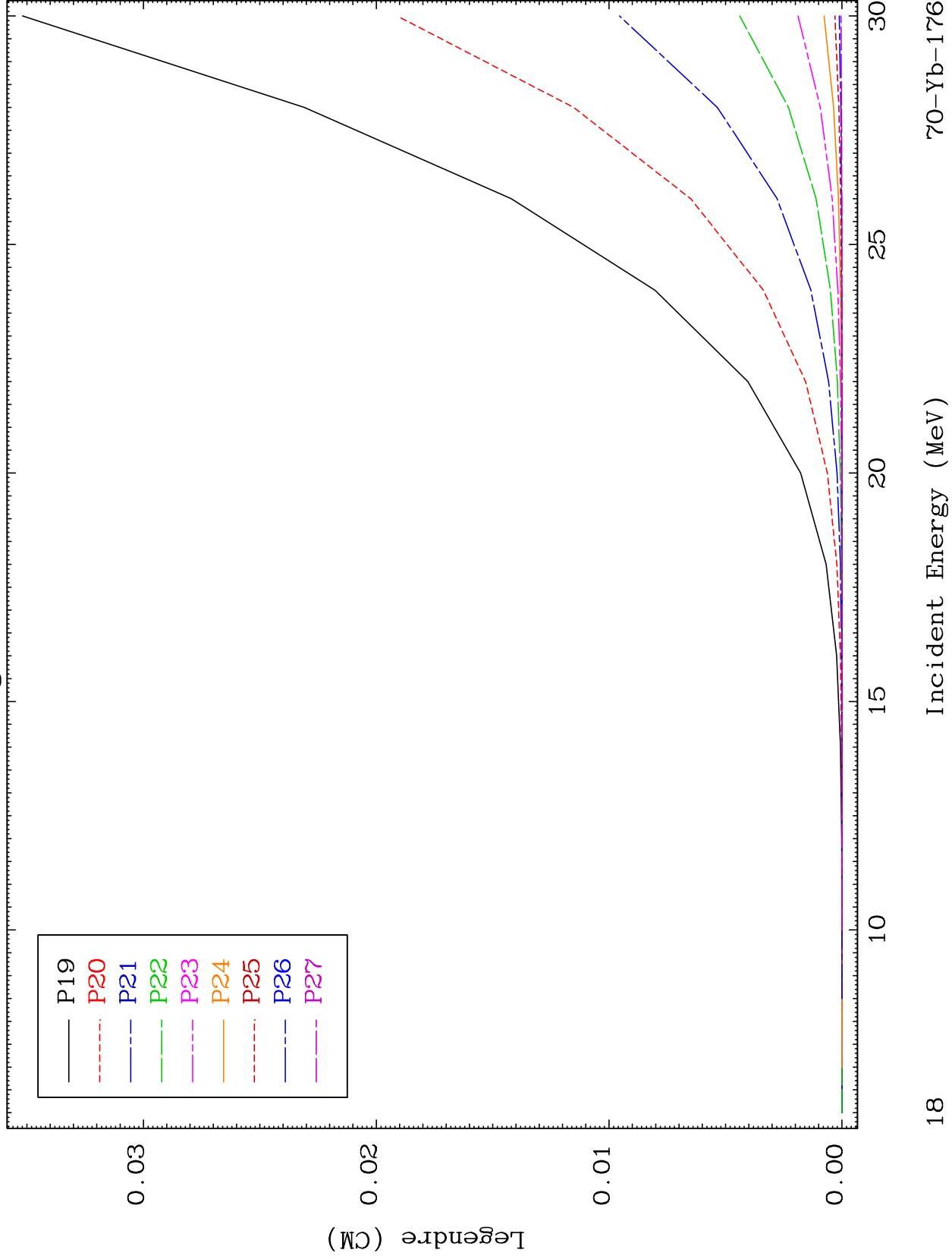




MAT 7049

Elastic Legendre Coefficients

70-Yb-176



18

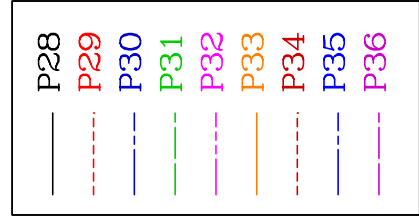
Incident Energy (MeV)

70-Yb-176

MAT 7049

Elastic Legendre Coefficients

70-Yb-176



$\times 10^{-5}$

1.2

0.8

0.4

0.0

Legendre (CM)

15

20

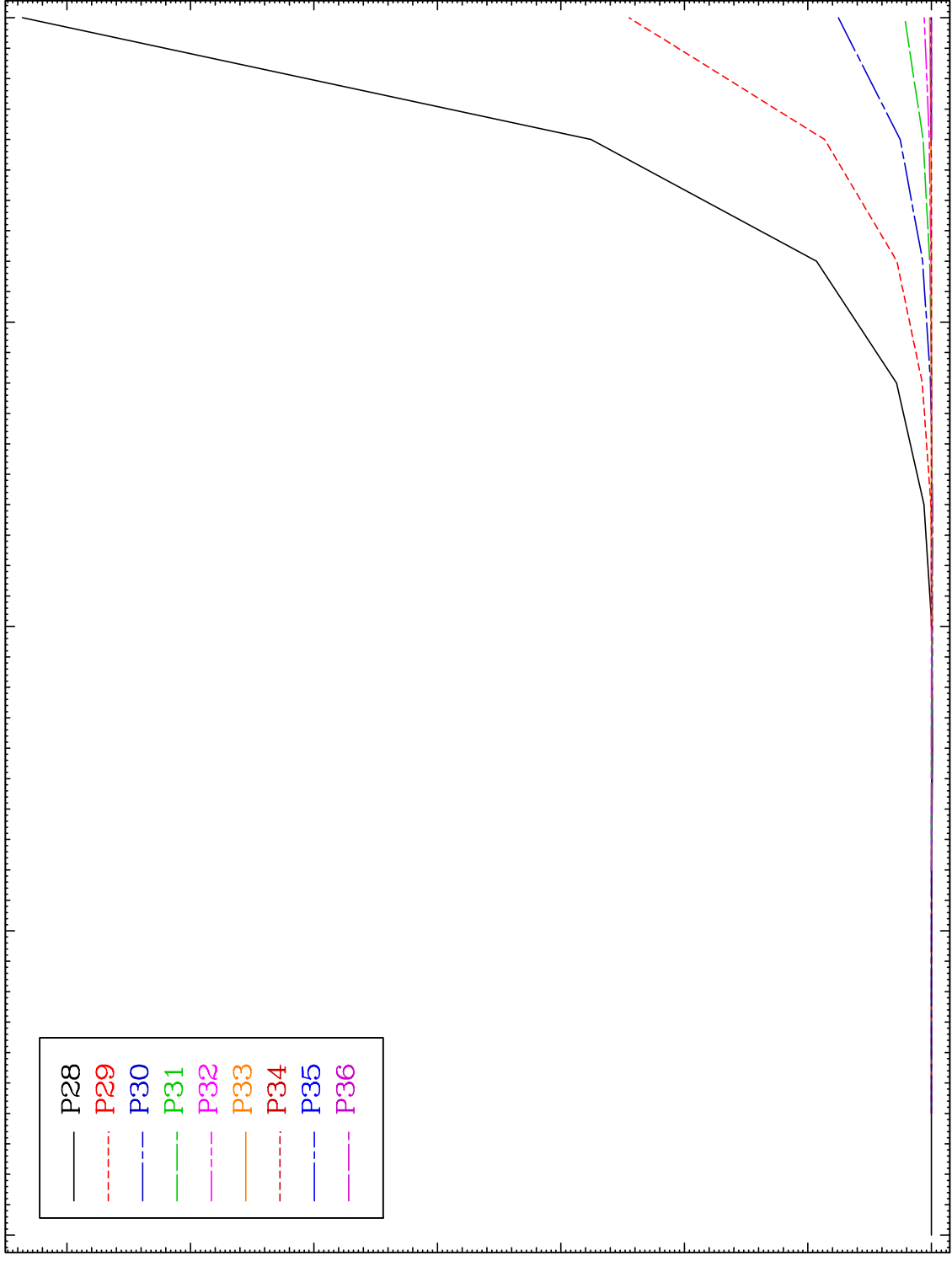
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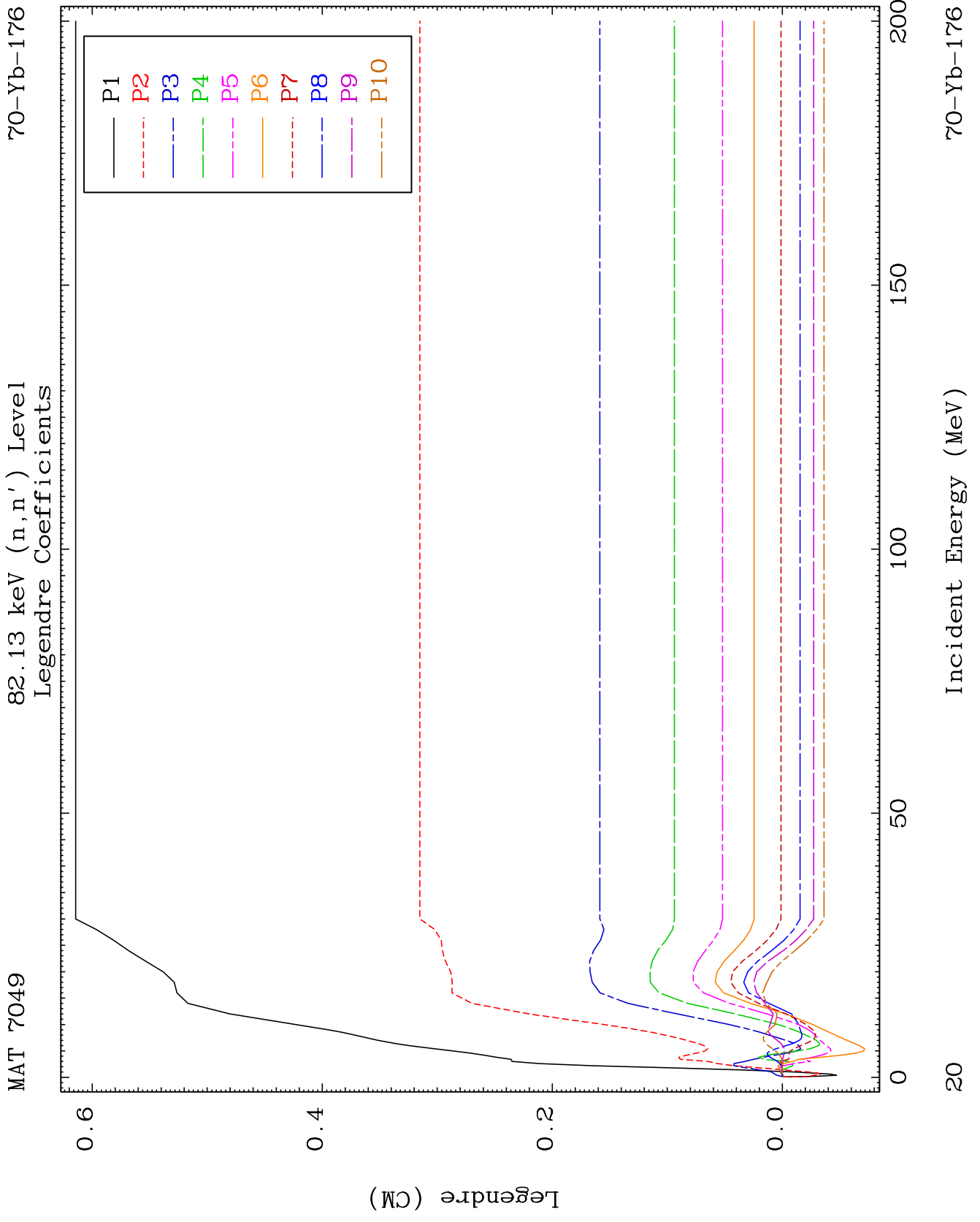
30

19

Incident Energy (MeV)

70-Yb-176

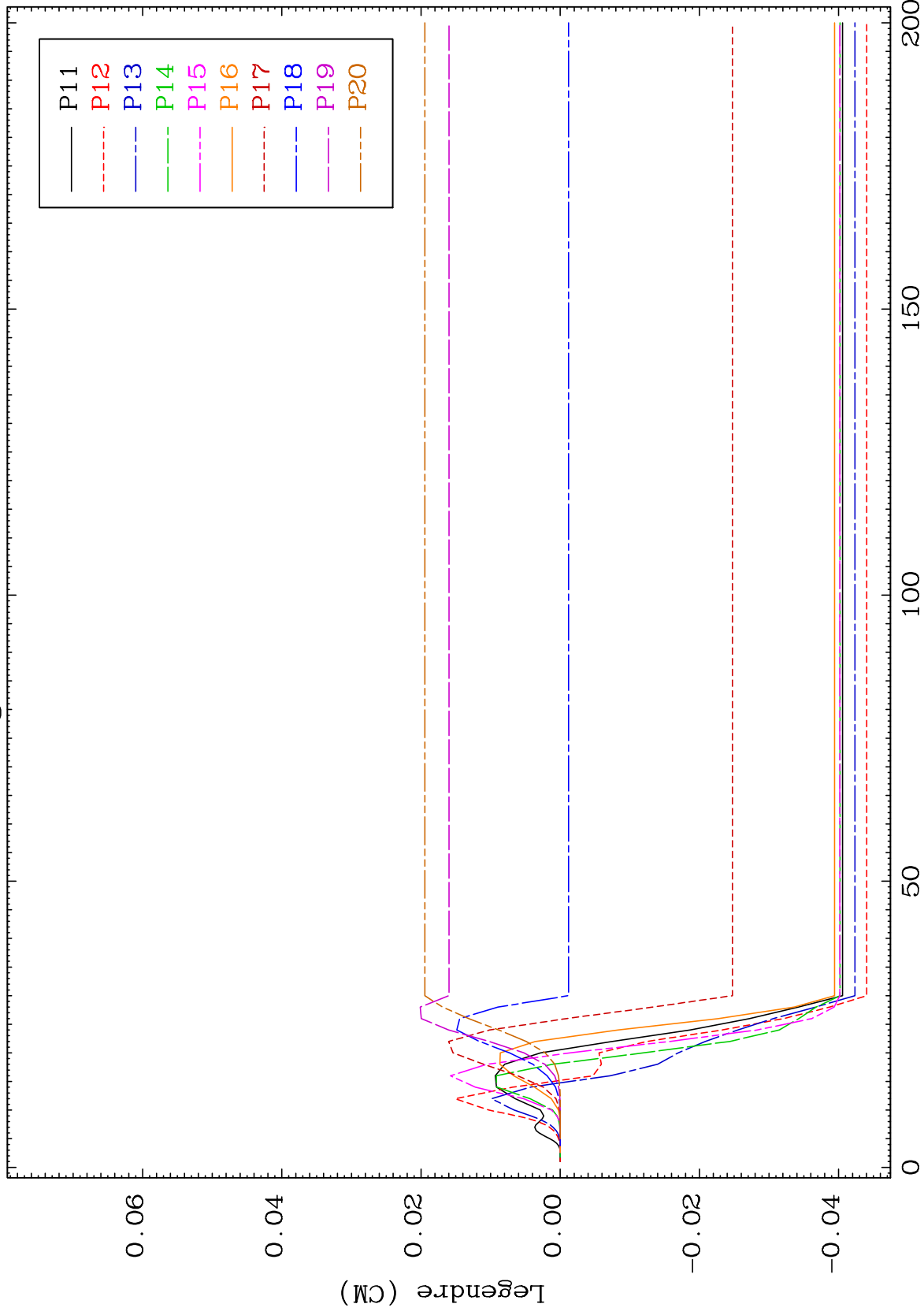




MAT 7049

82.13 keV (n,n') Level
Legendre Coefficients

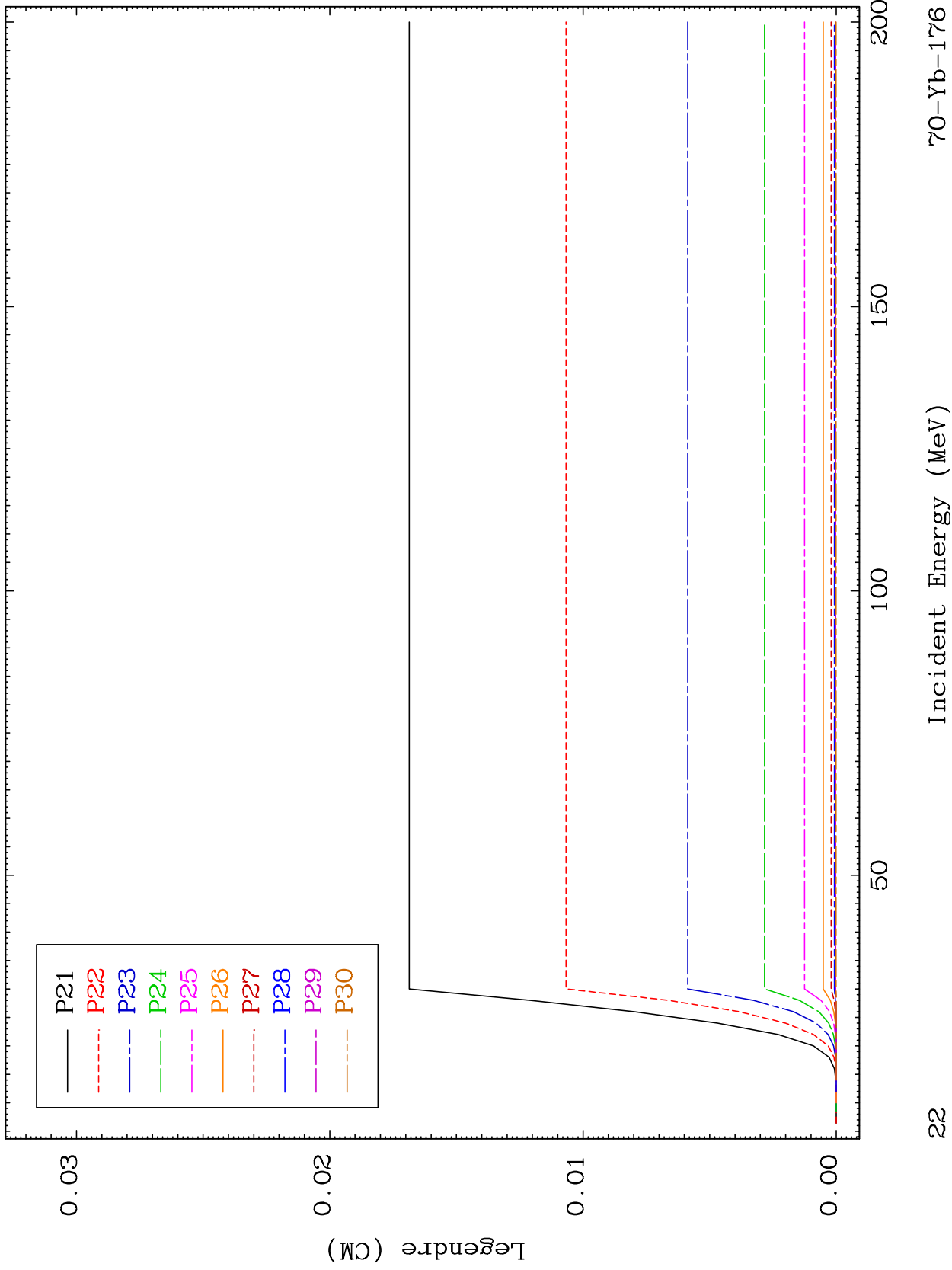
70-Yb-176



MAT 7049

82.13 keV (n,n') Level
Legendre Coefficients

70-Yb-176



22

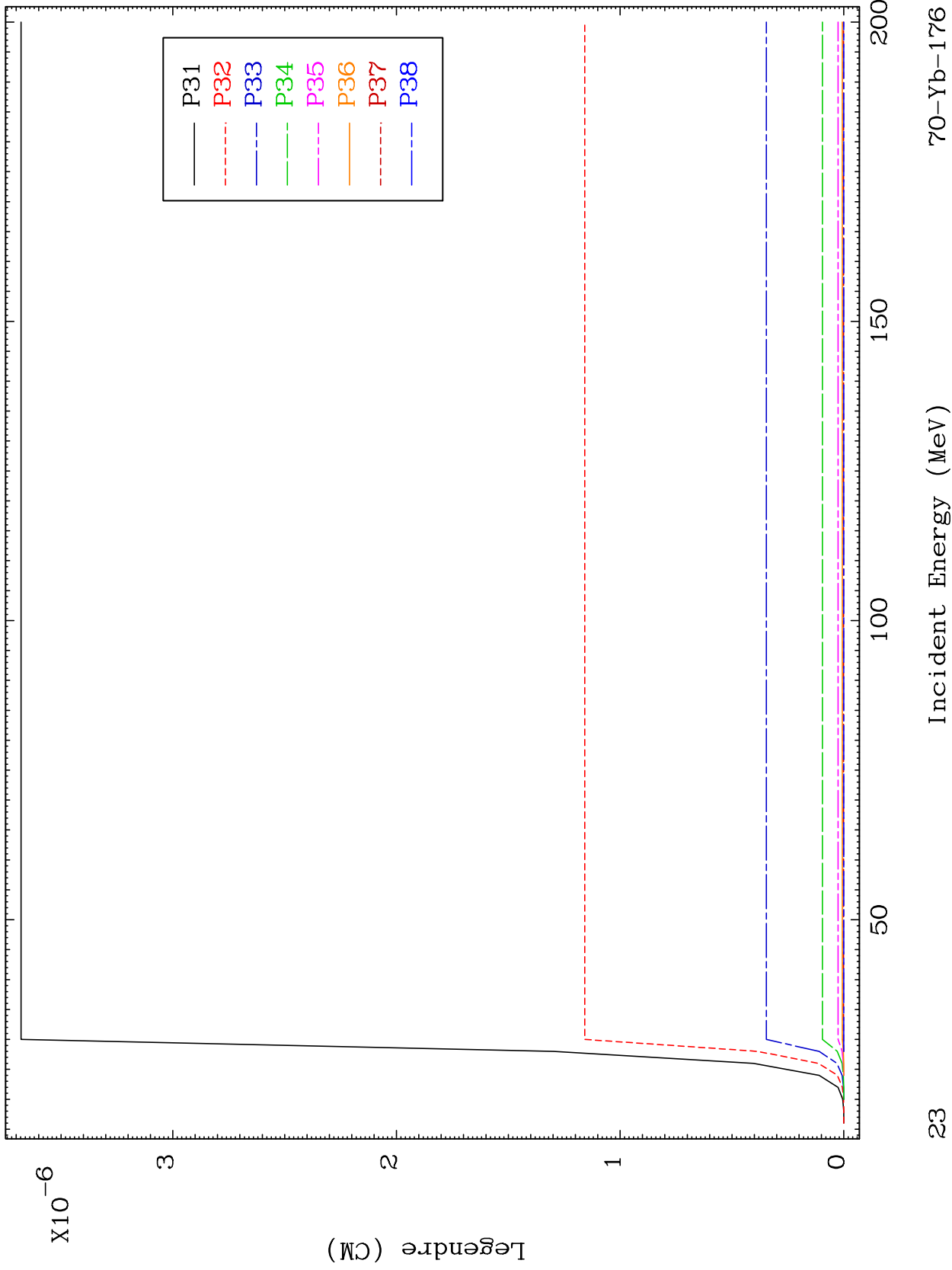
Incident Energy (MeV)

70-Yb-176

MAT 7049

82.13 keV (n,n') Level
Legendre Coefficients

70-Yb-176



23

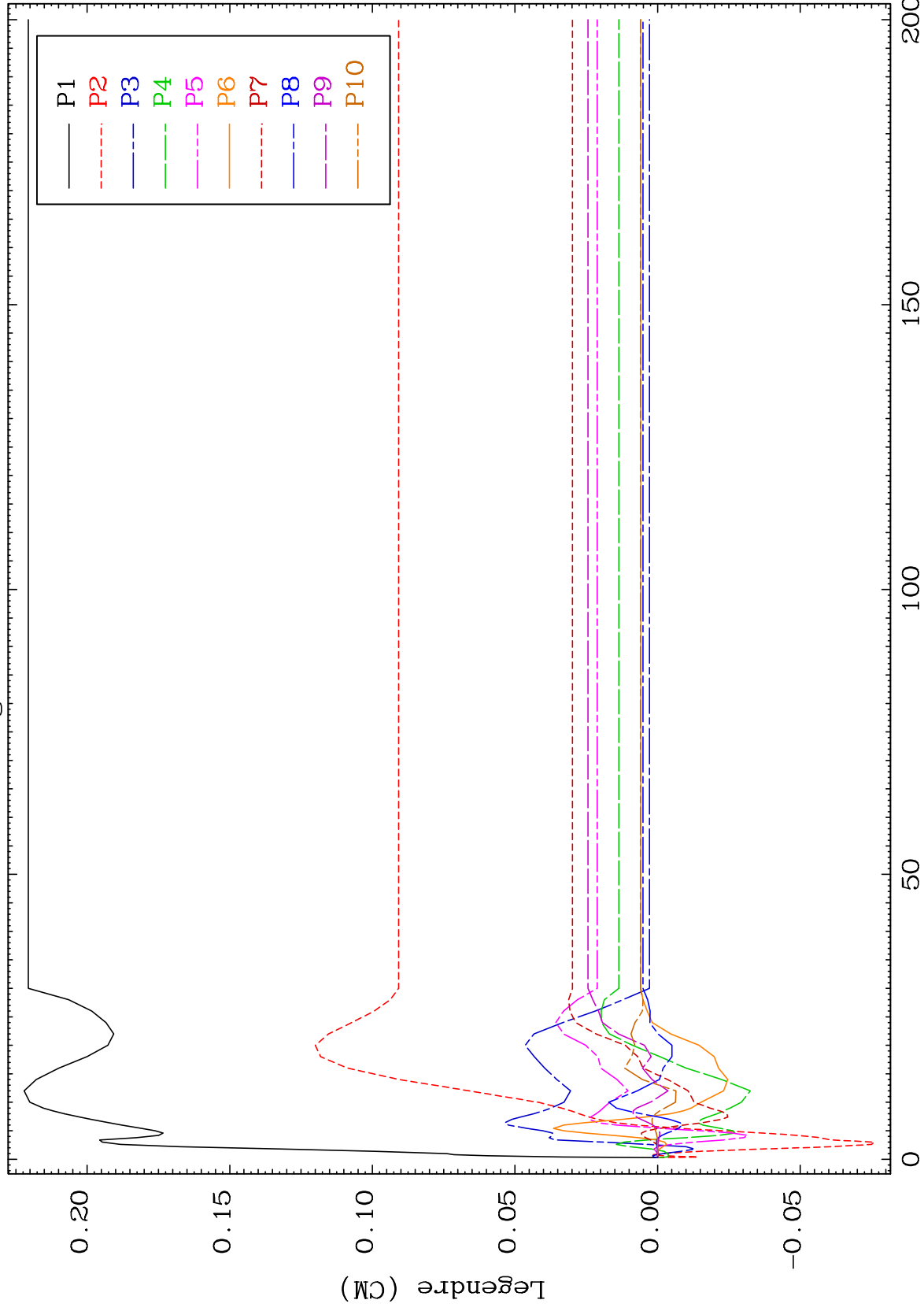
Incident Energy (MeV)

70-Yb-176

MAT 7049

271.8 keV (n,n') Level
Legendre Coefficients

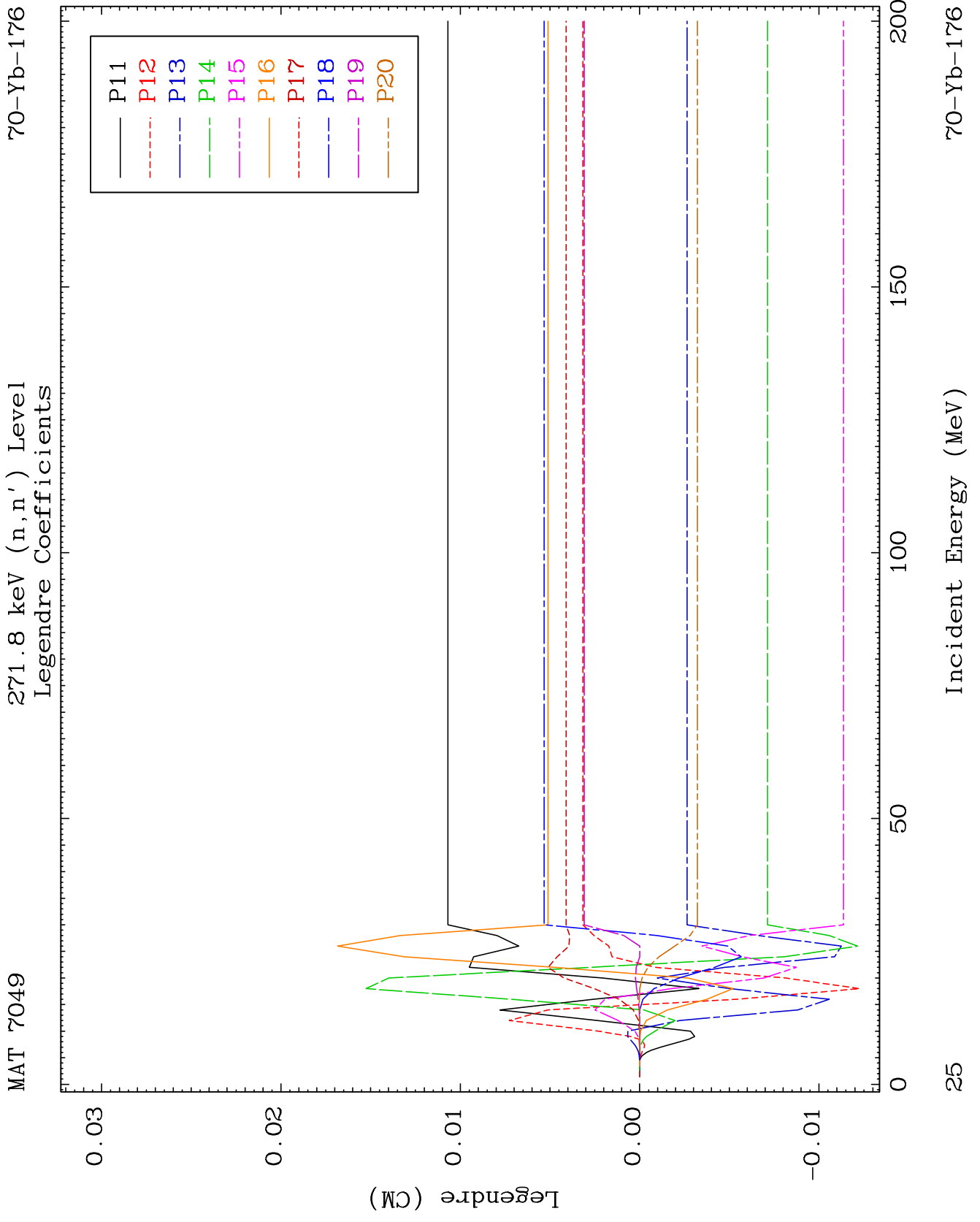
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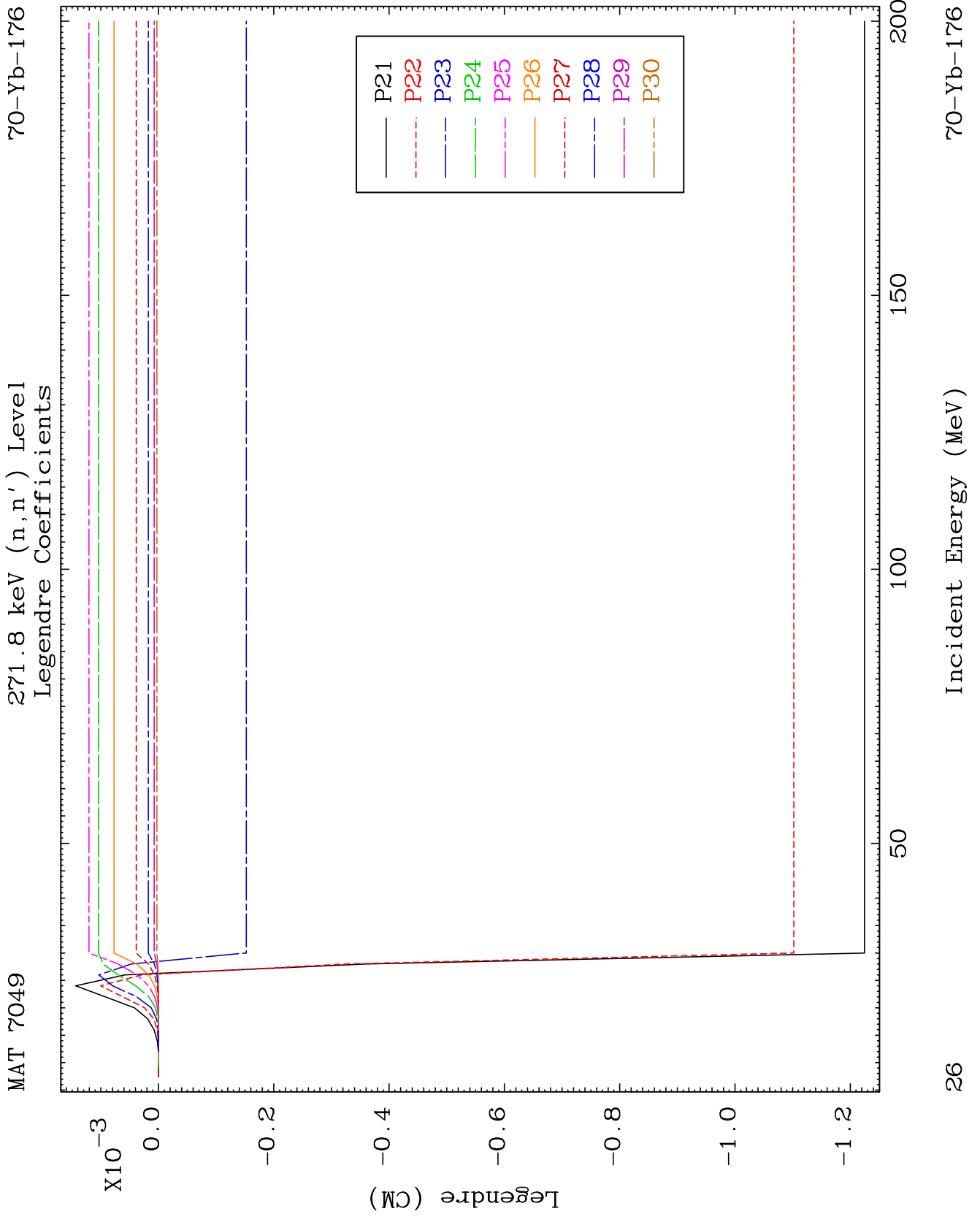


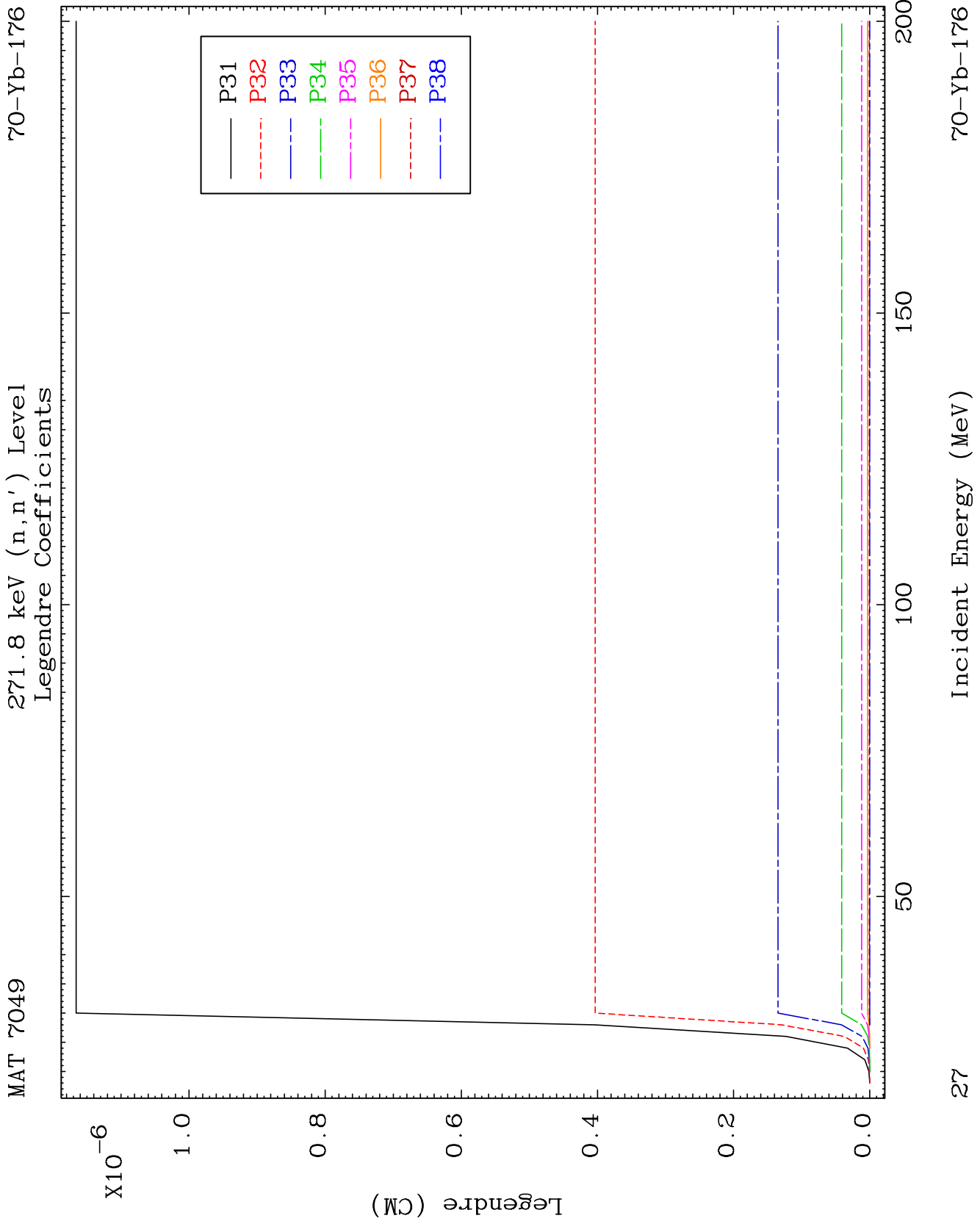
24

Incident Energy (MeV)

70-Yb-176



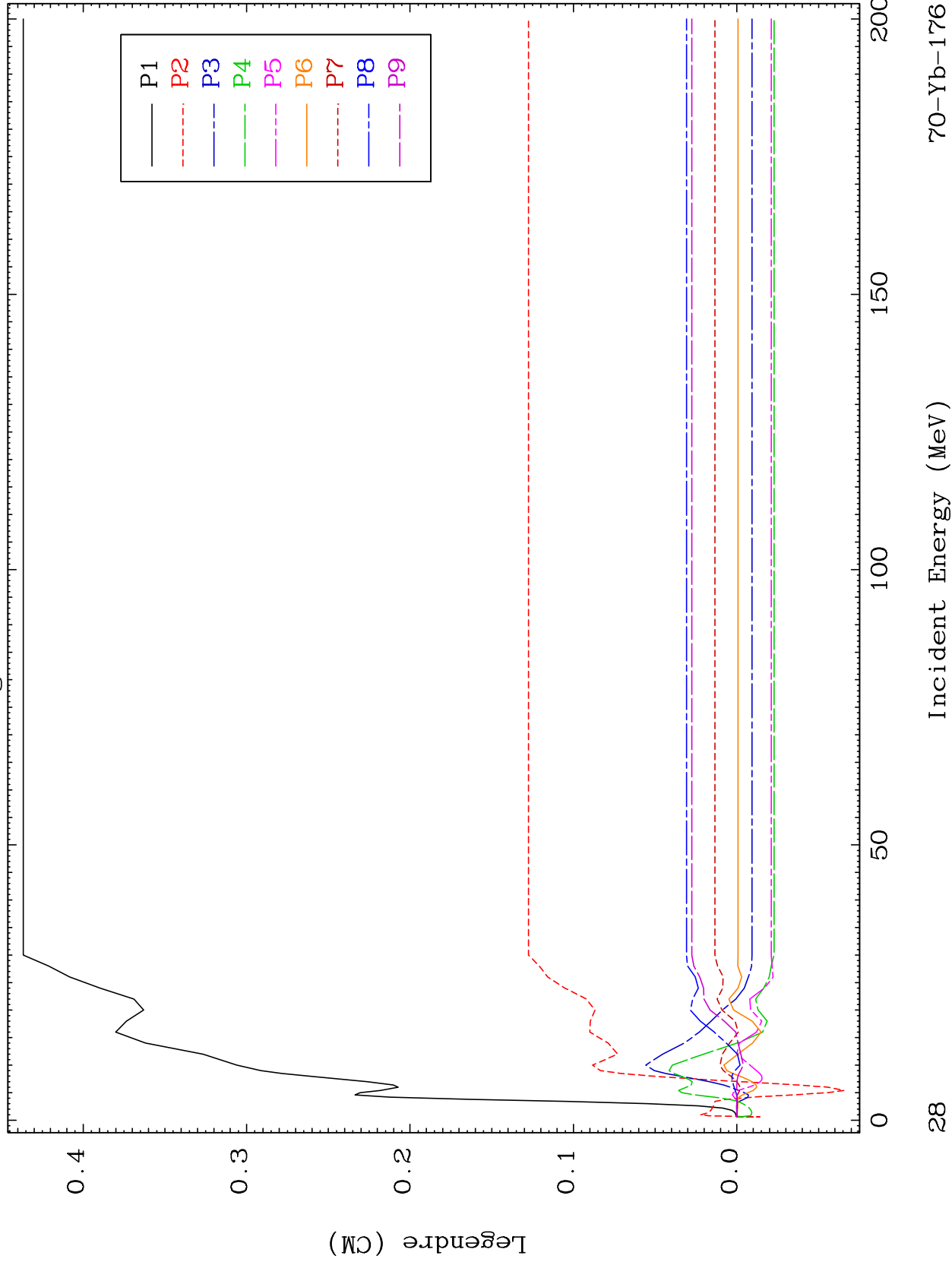




MAT 7049

564.5 keV (n,n') Level
Legendre Coefficients

70-Yb-176



70-Yb-176

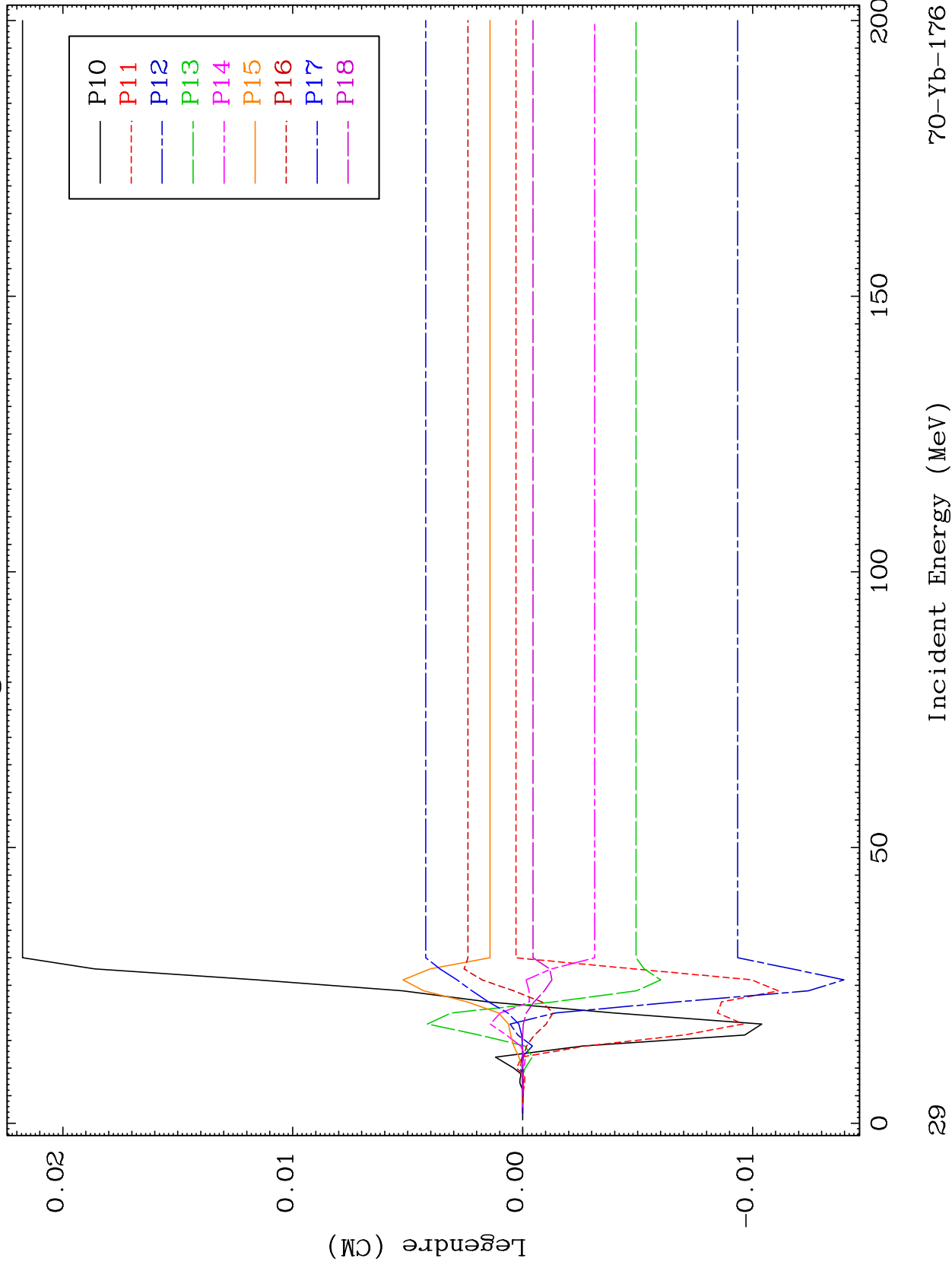
Incident Energy (MeV)

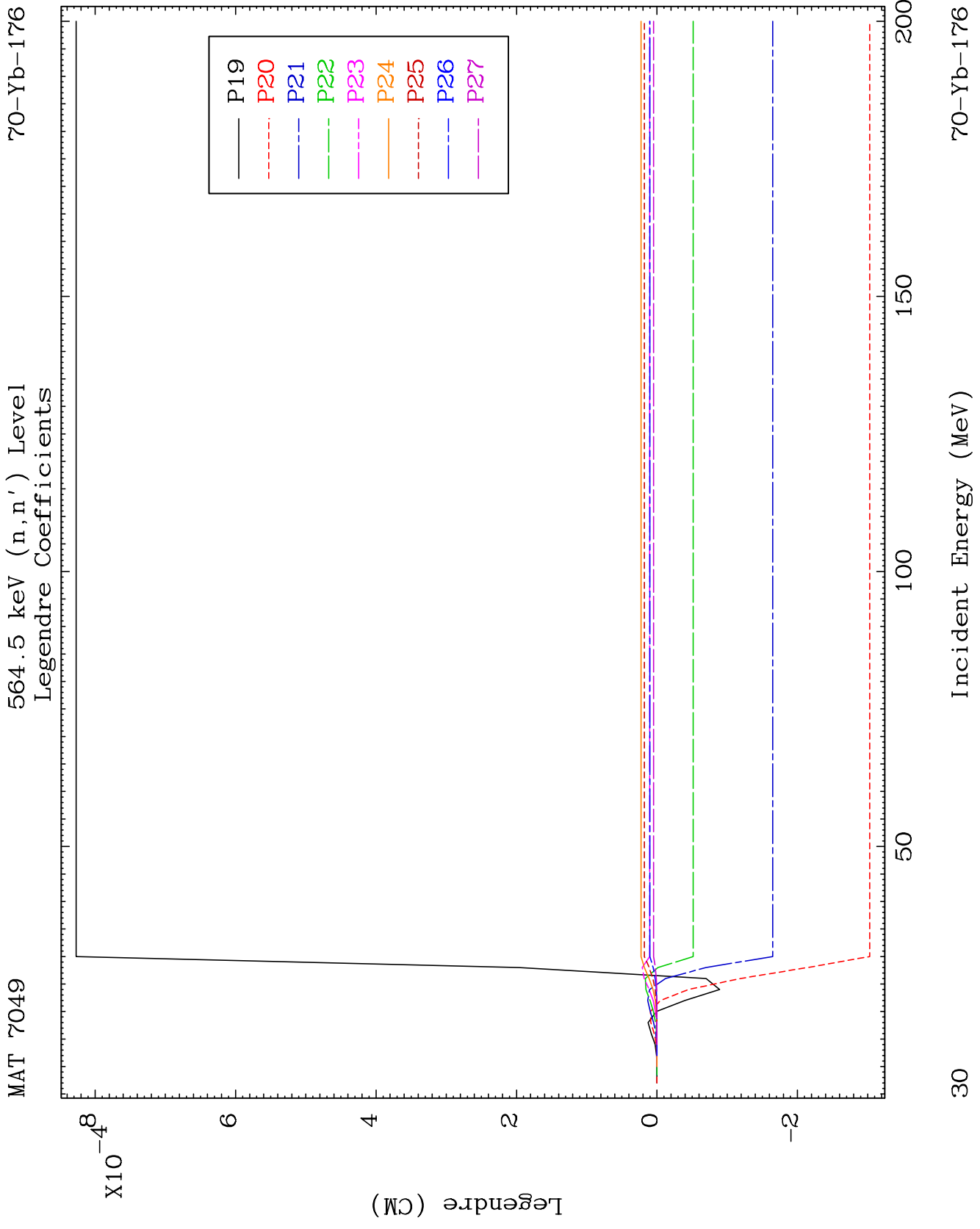
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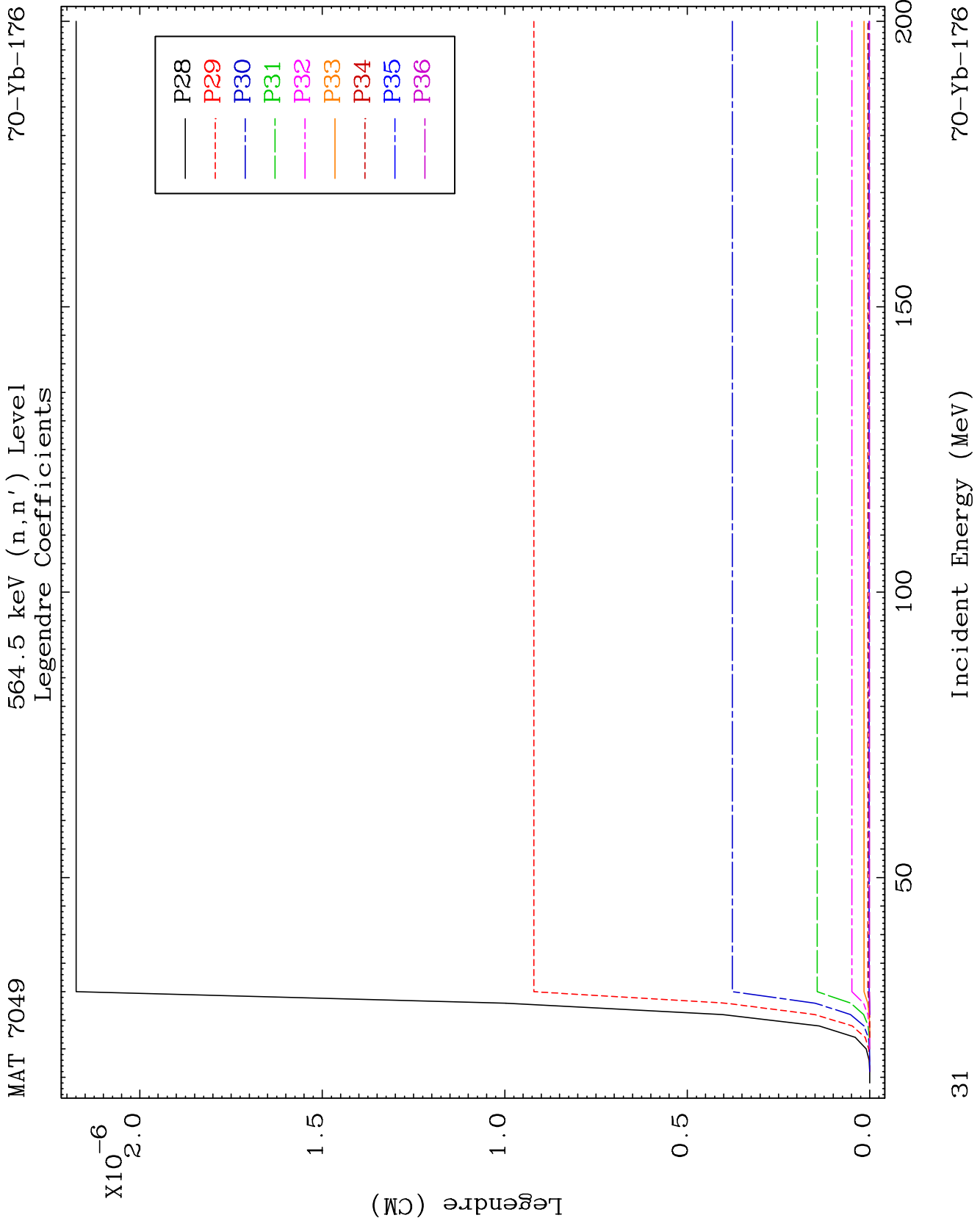
MAT 7049

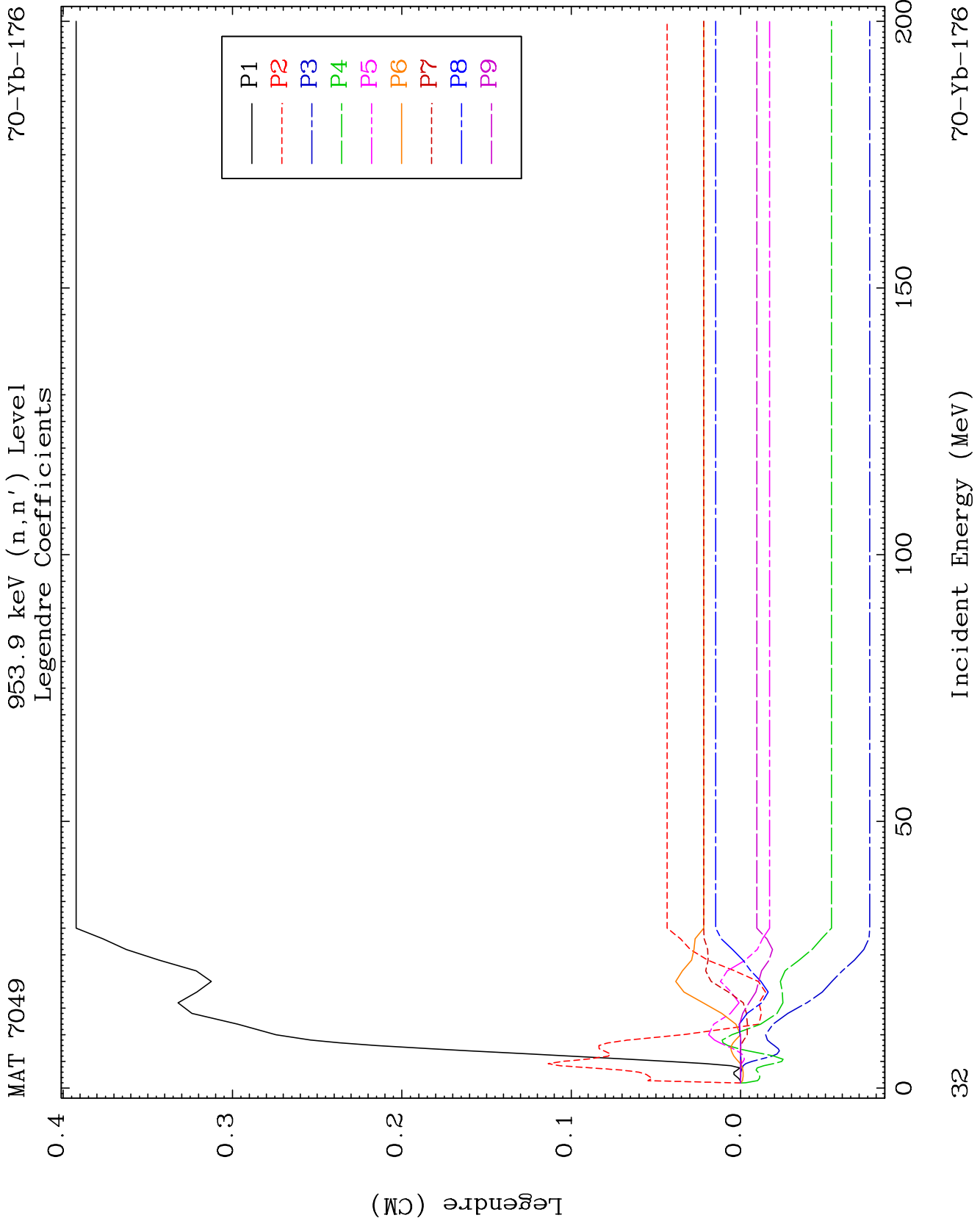
564.5 keV (n,n') Level
Legendre Coefficients

70-Yb-176





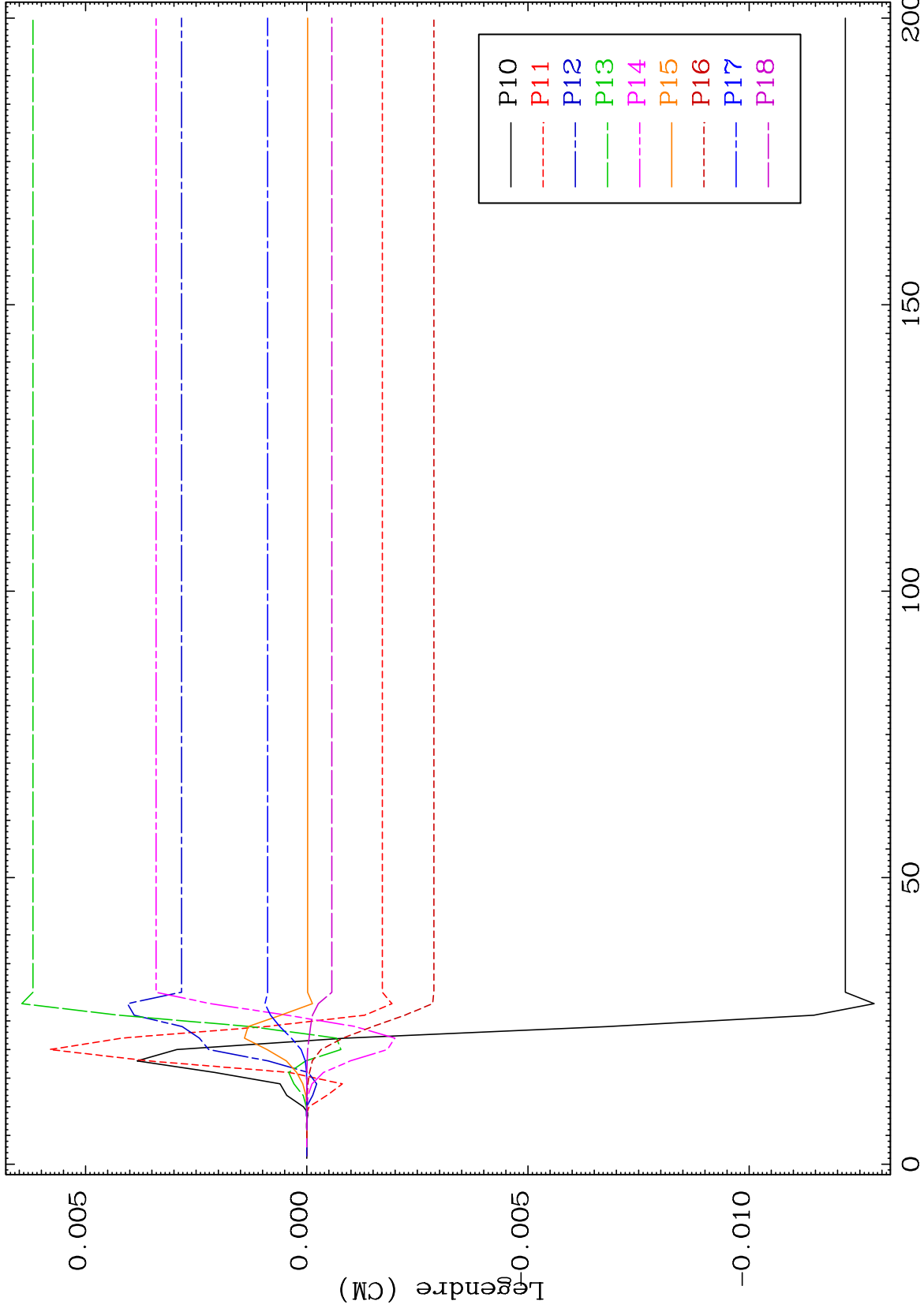




MAT 7049

953.9 keV (n,n') Level
Legendre Coefficients

70-Yb-176



33

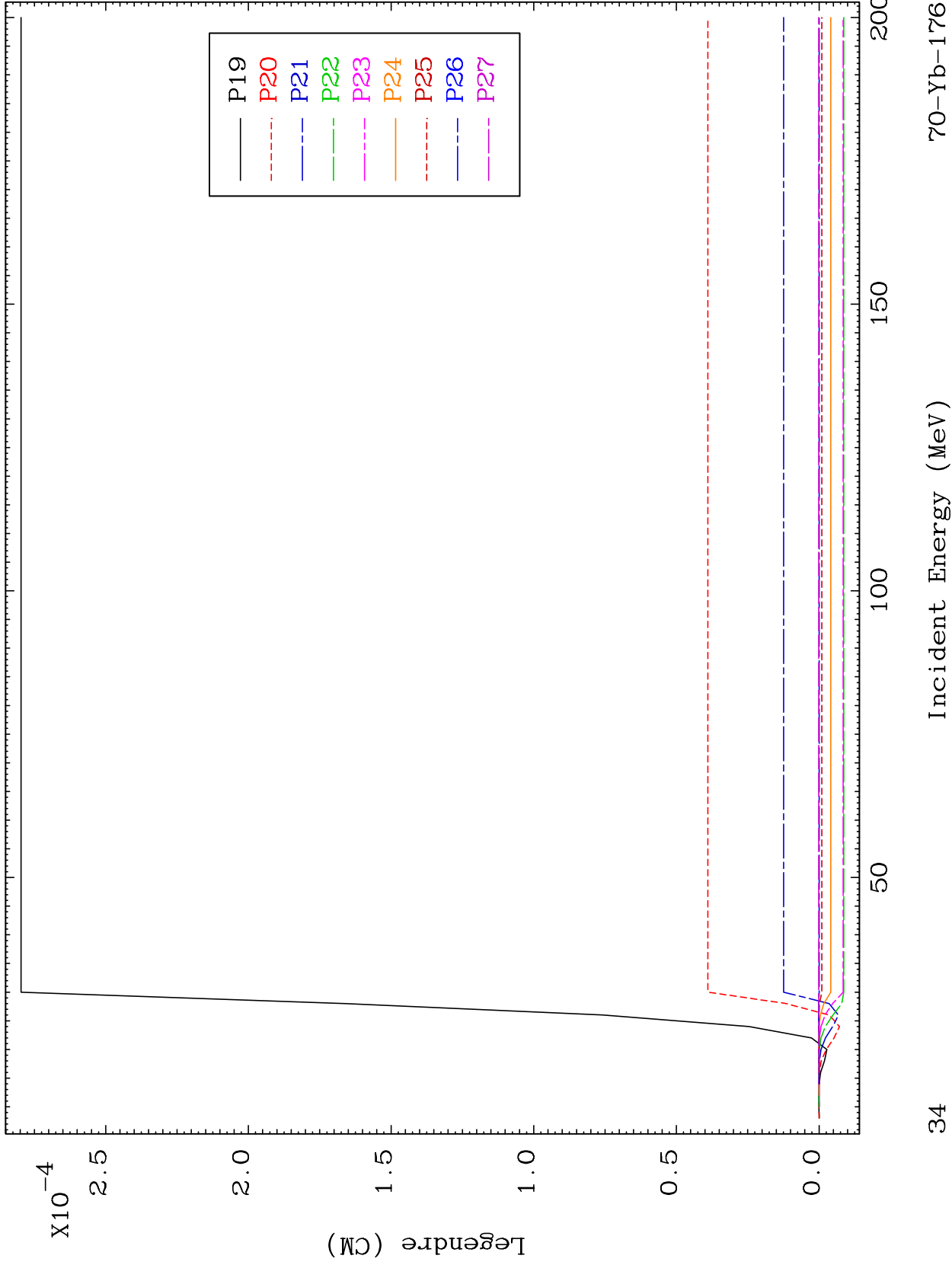
Incident Energy (MeV)

70-Yb-176

MAT 7049

953.9 keV (n,n') Level
Legendre Coefficients

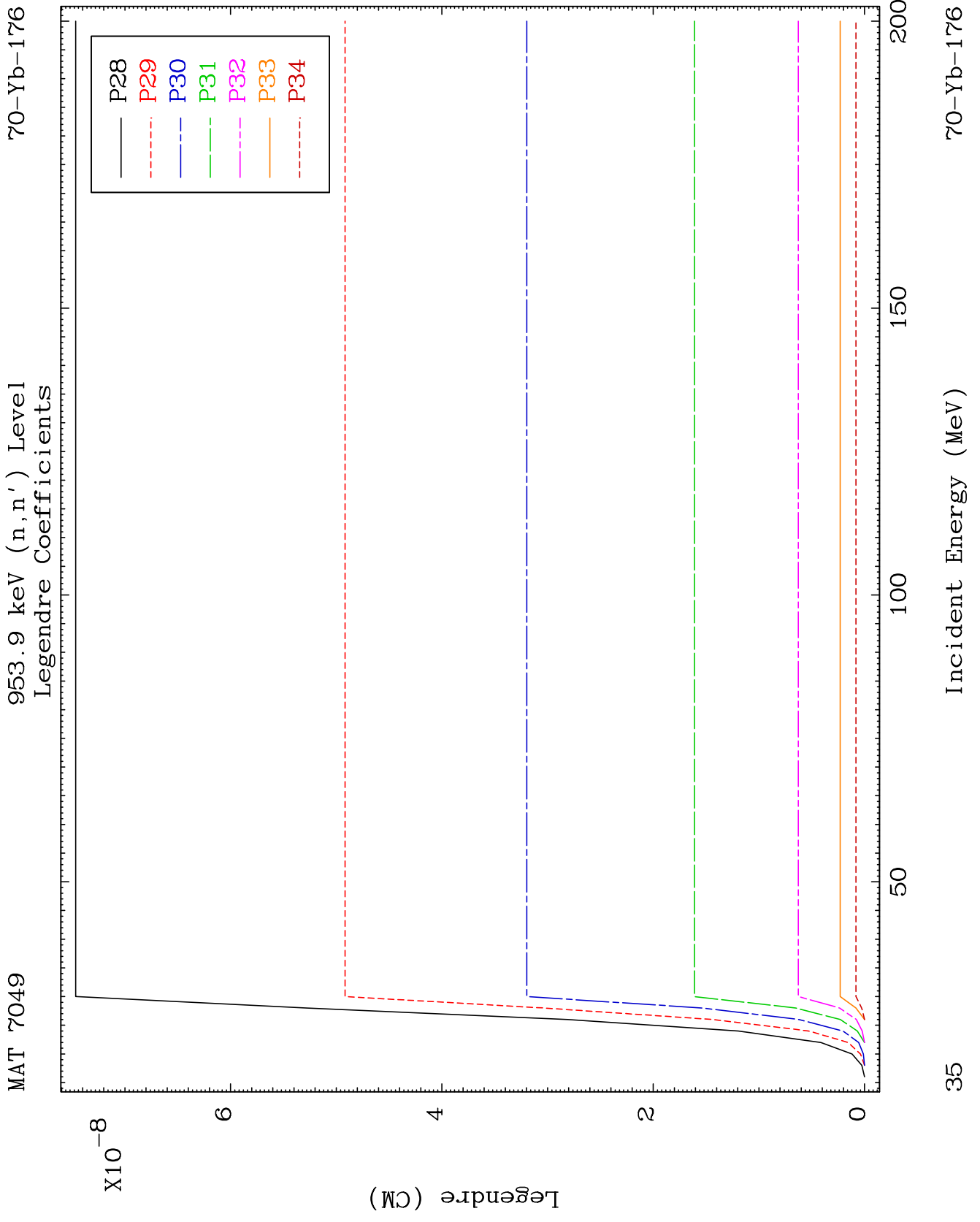
70-Yb-176



34

Incident Energy (MeV)

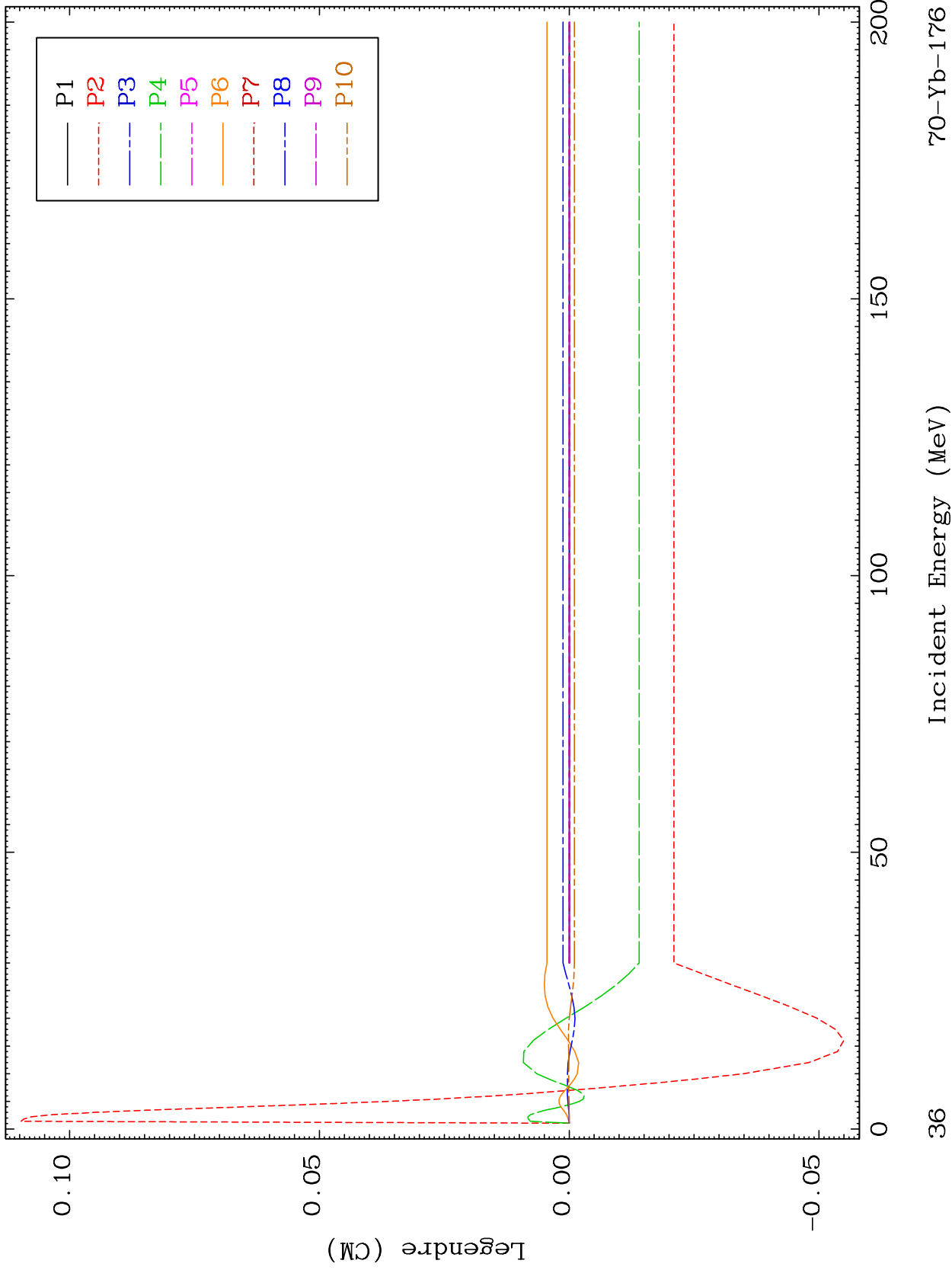
70-Yb-176



MAT 7049

1.050 MeV (n,n') Level
Legendre Coefficients

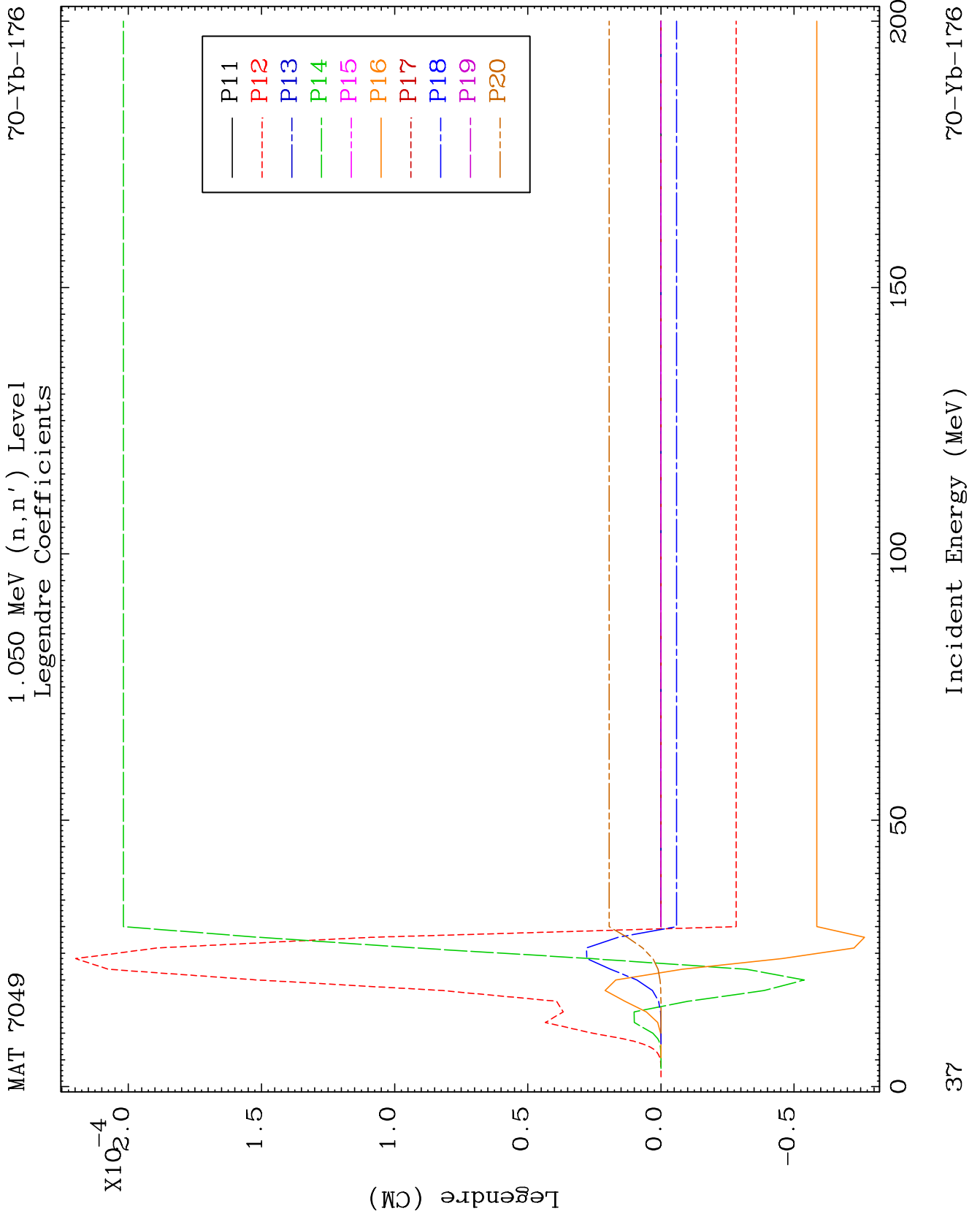
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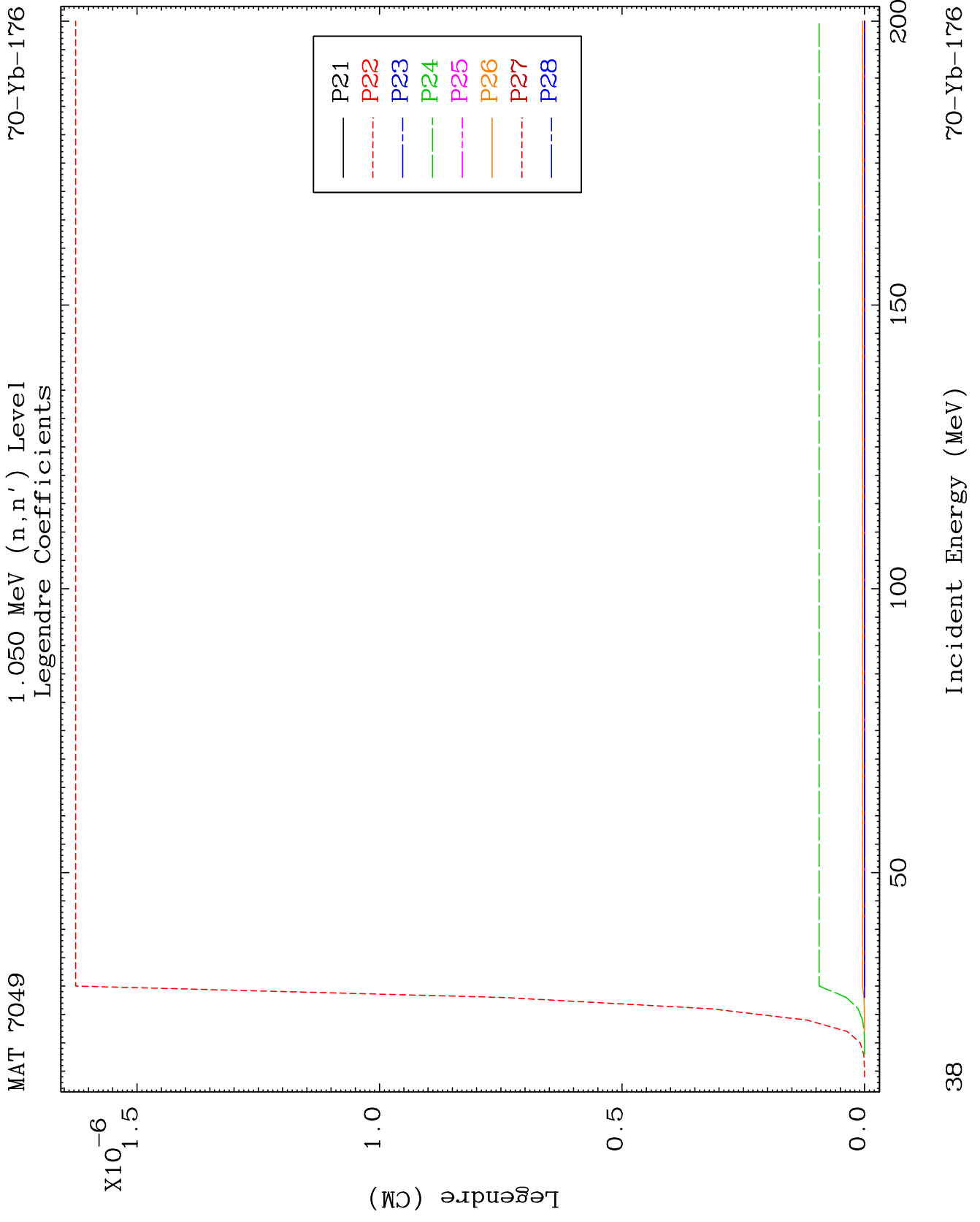


70-Yb-176

Incident Energy (MeV)

36

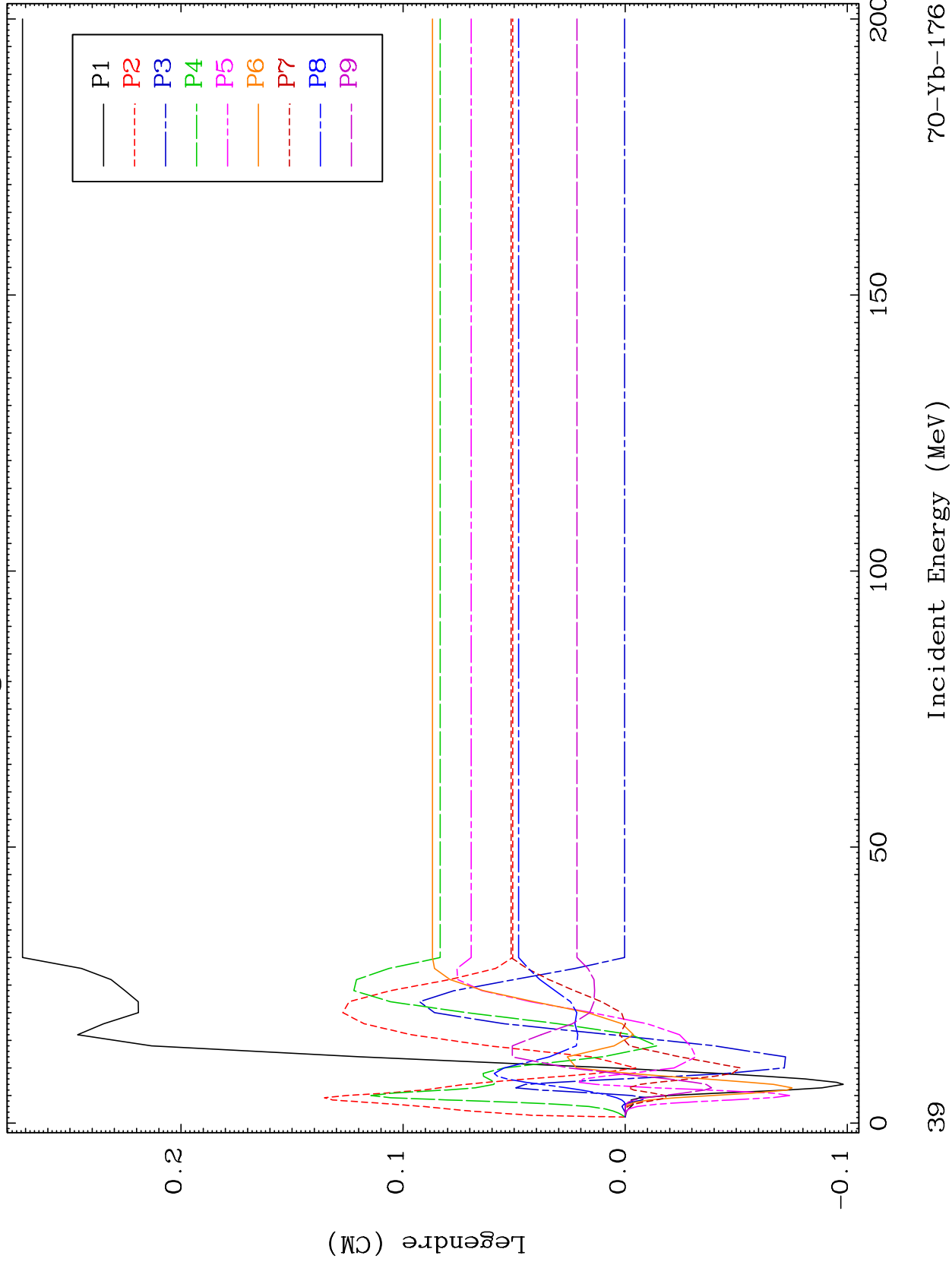




MAT 7049

1.088 MeV (n,n') Level
Legendre Coefficients

70-Yb-176



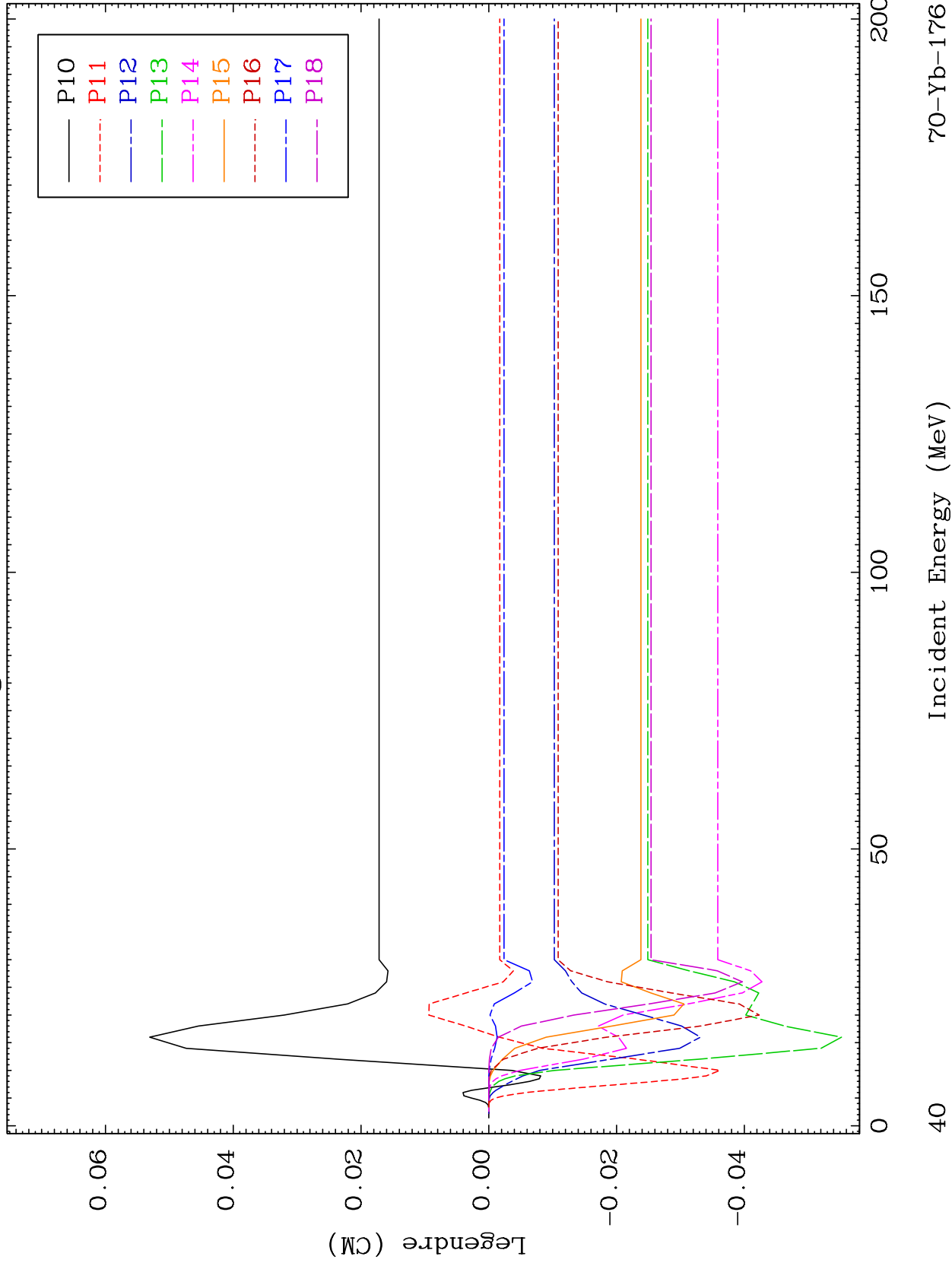
39

70-Yb-176

MAT 7049

1.088 MeV (n,n') Level
Legendre Coefficients

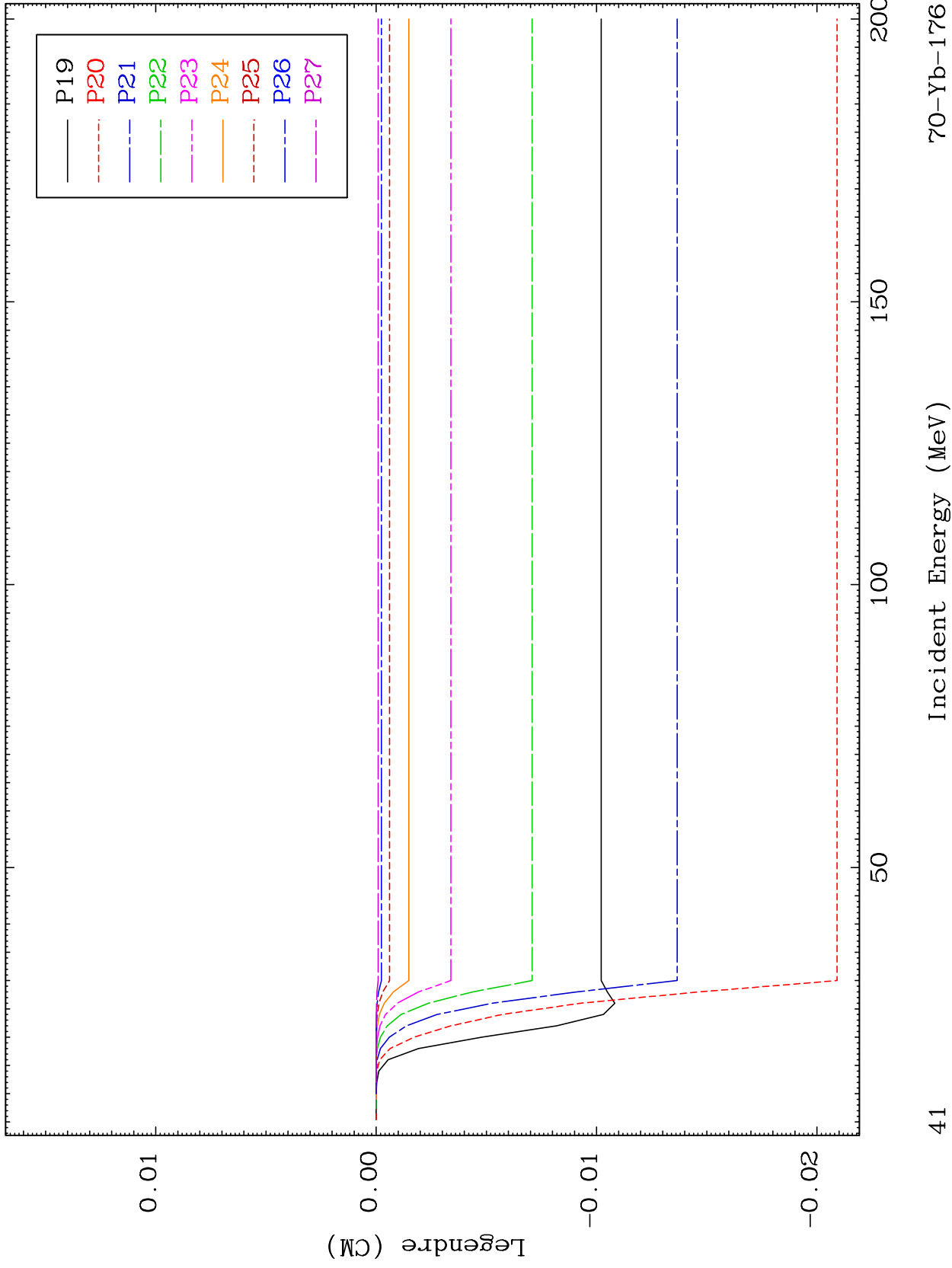
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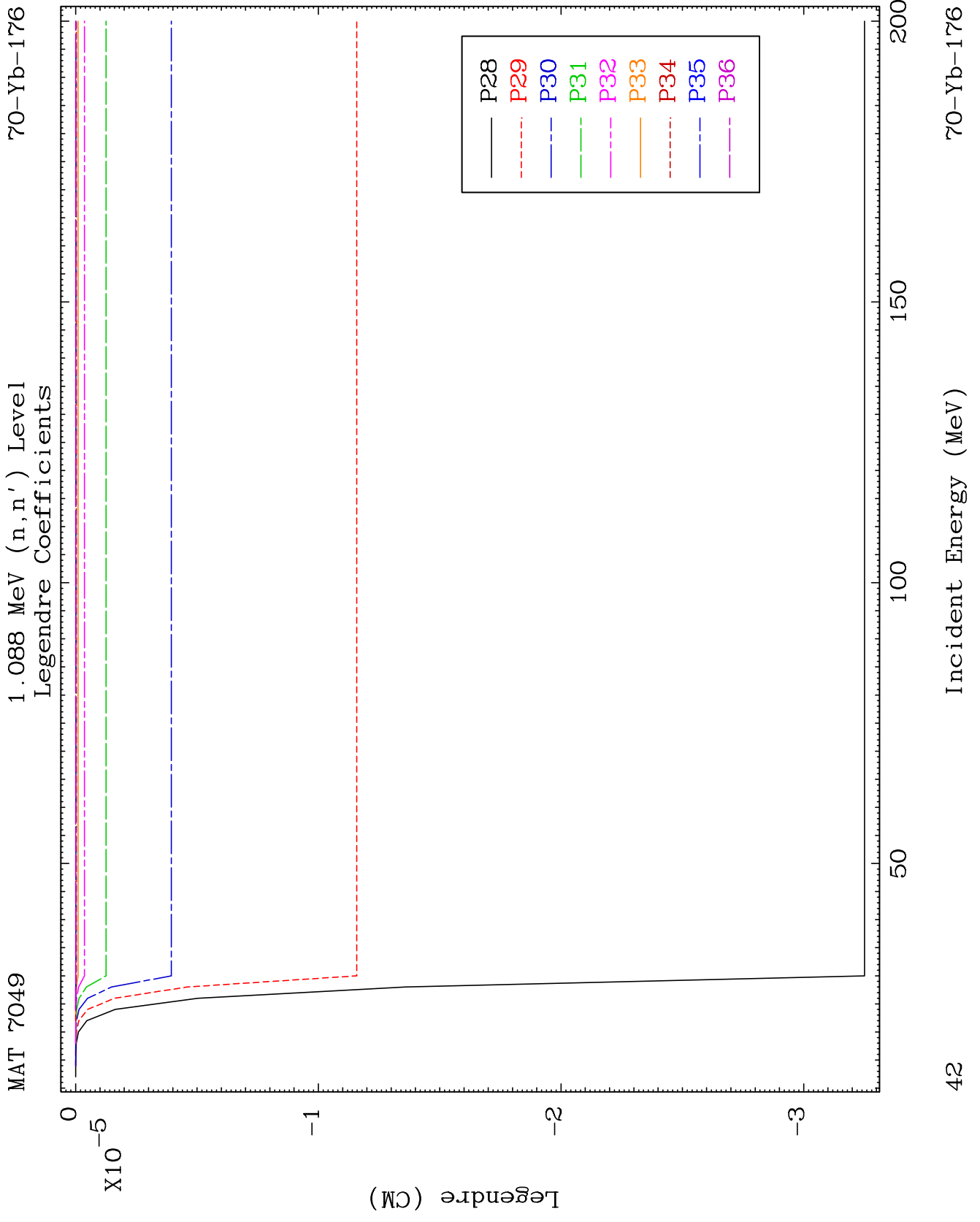


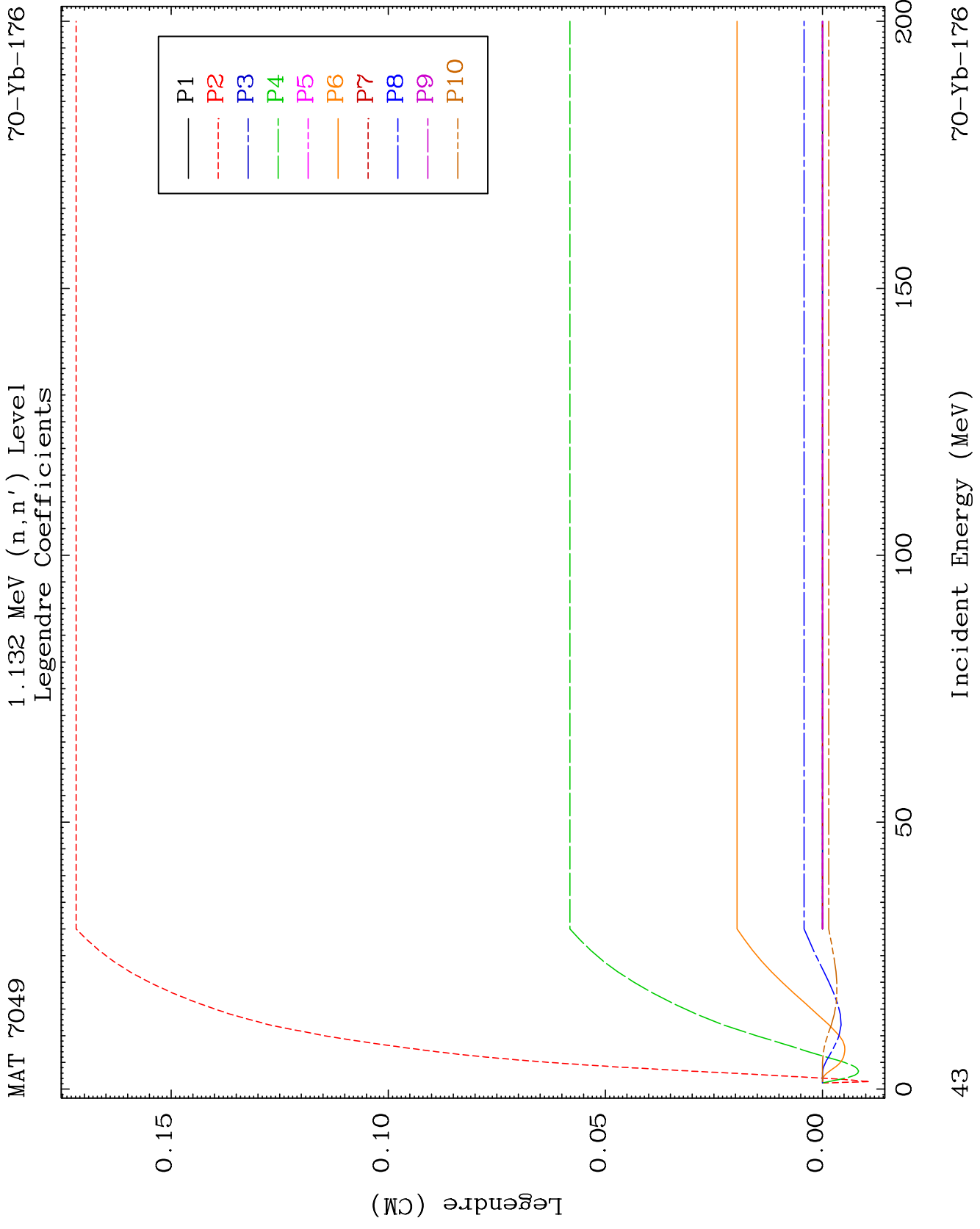
MAT 7049

1.088 MeV (n,n') Level
Legendre Coefficients

70-Yb-176



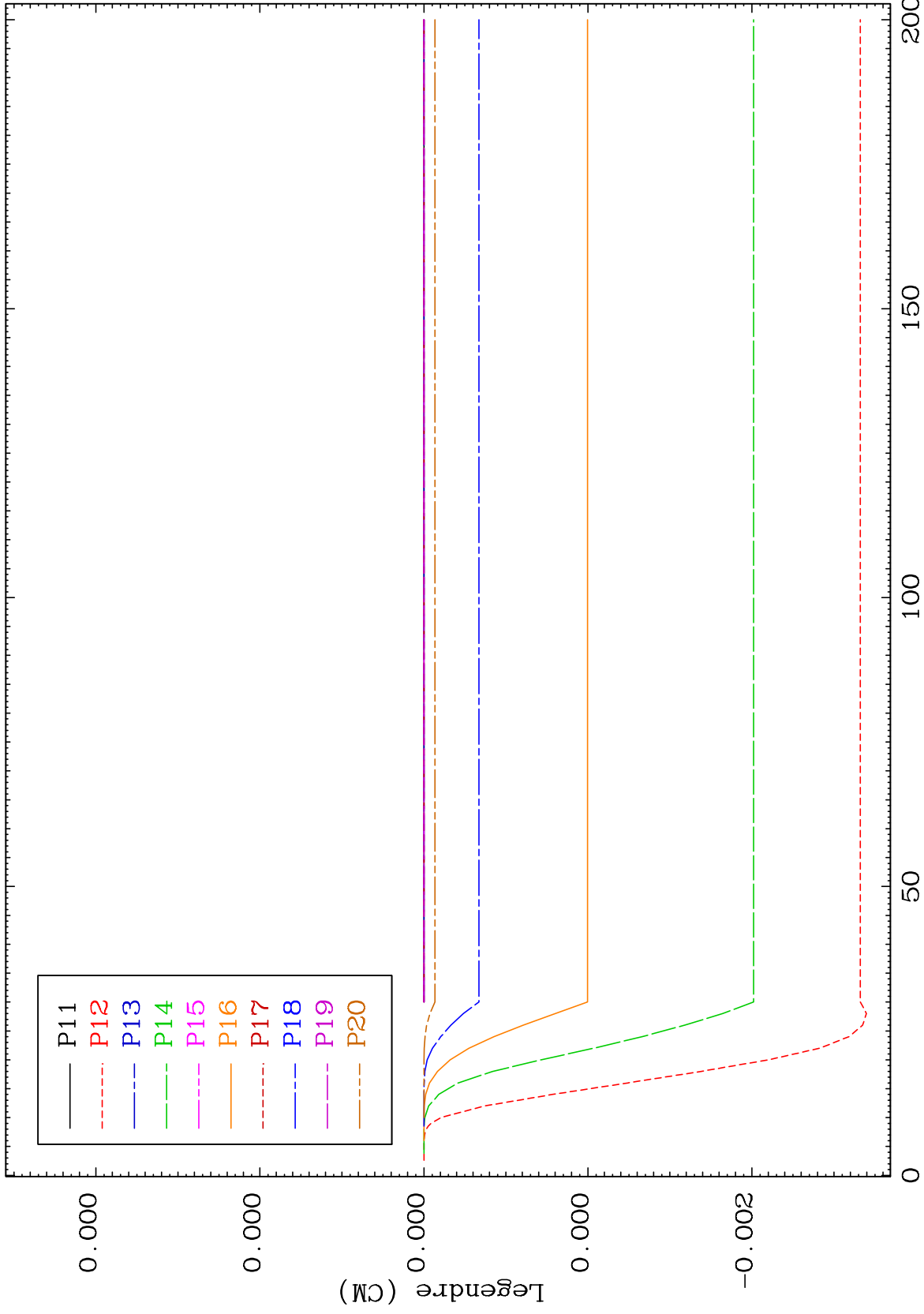




MAT 7049

1.132 MeV (n,n') Level
Legendre Coefficients

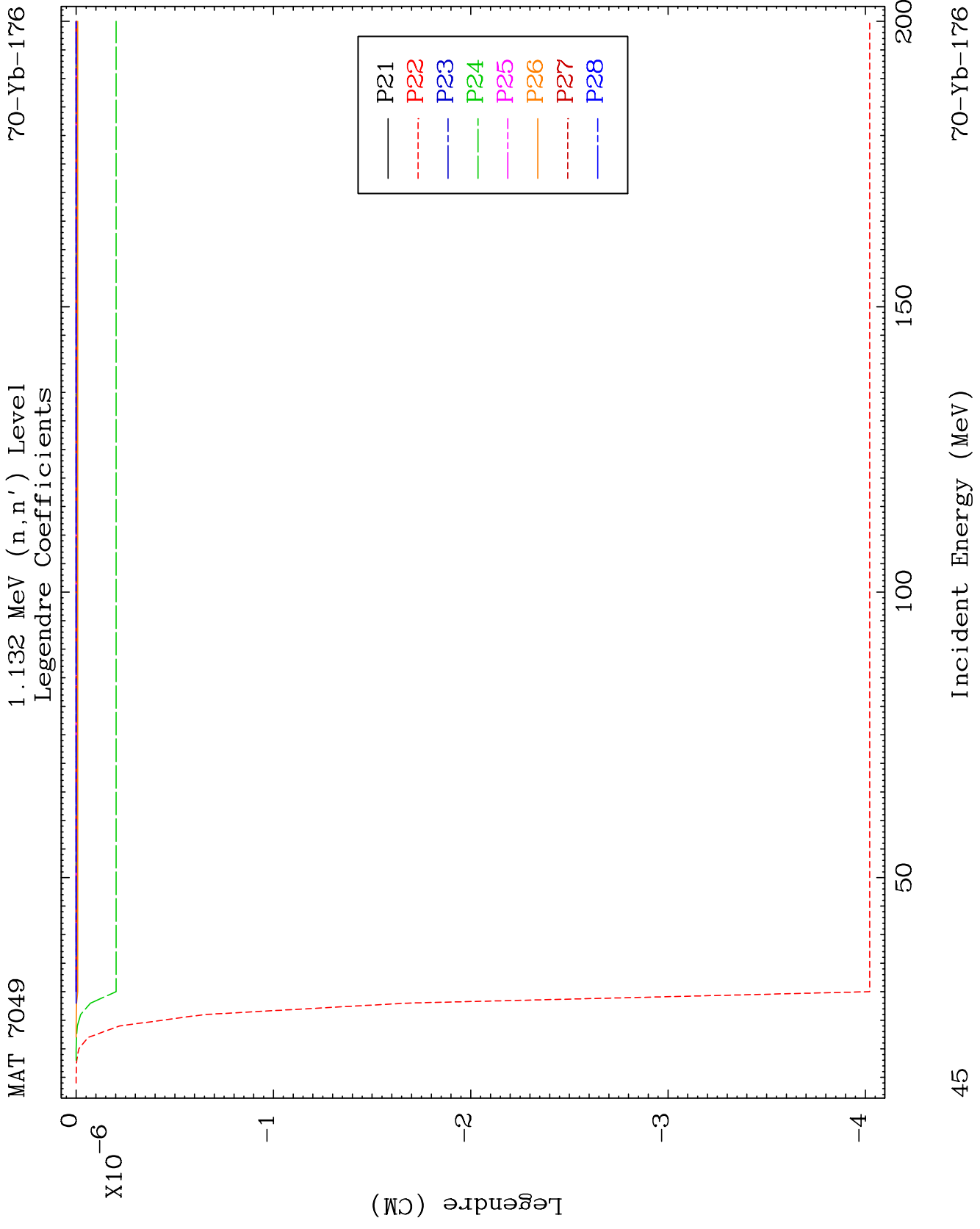
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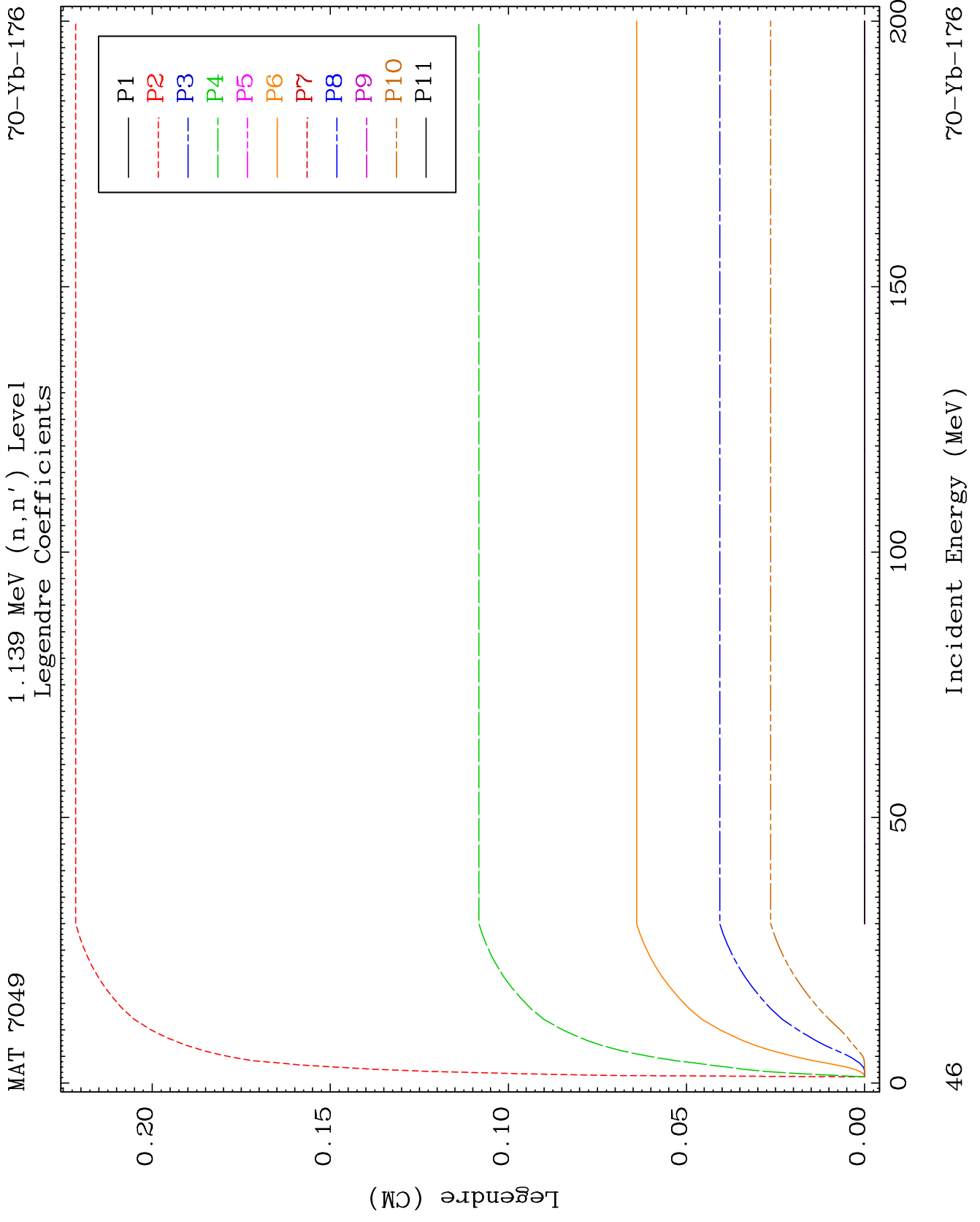


44

Incident Energy (MeV)

70-Yb-176

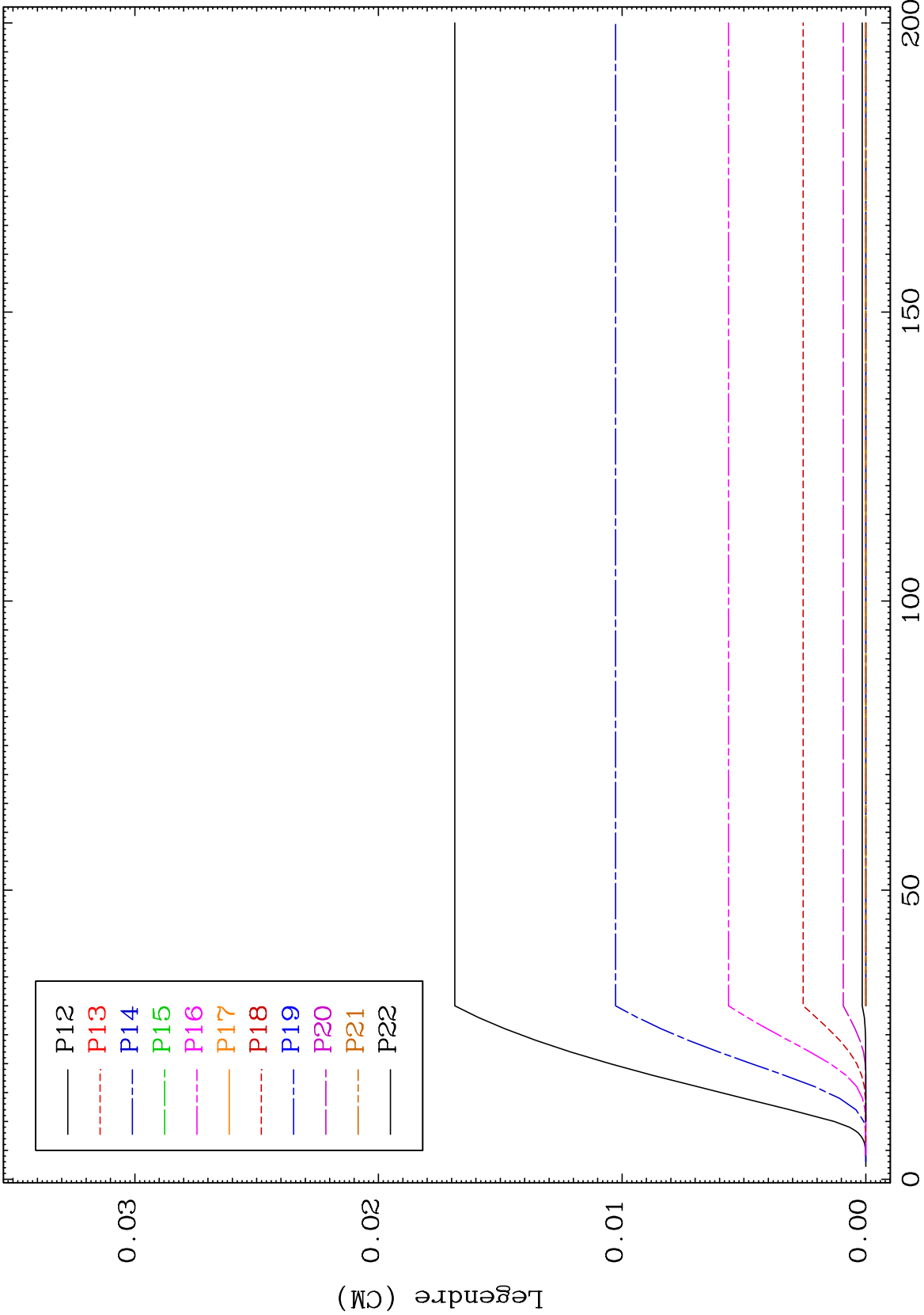




MAT 7049

1.139 MeV (n,n') Level
Legendre Coefficients

70-Yb-176



47

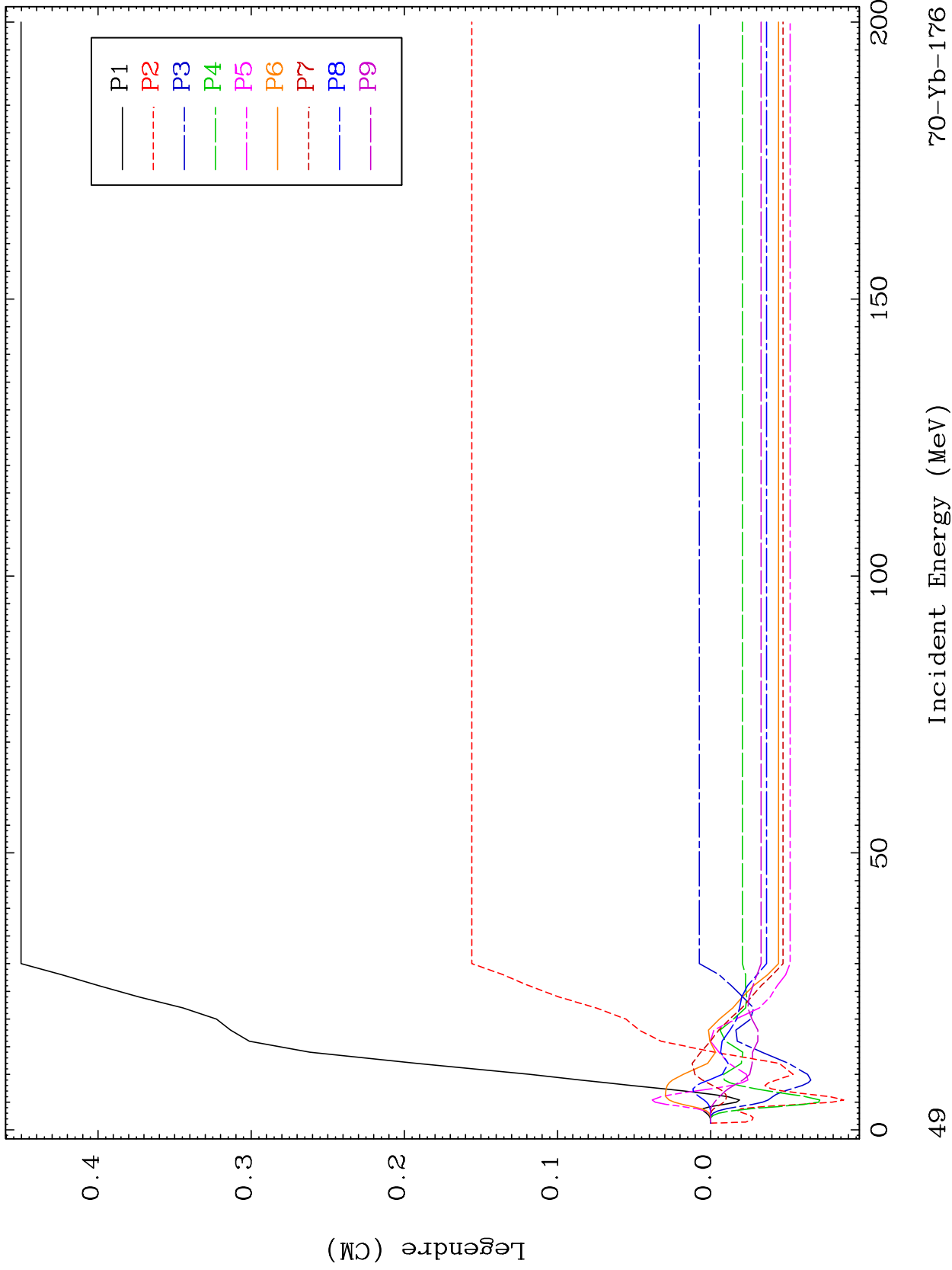
Incident Energy (MeV)

70-Yb-176

MAT 7049

1.193 MeV (n,n') Level
Legendre Coefficients

70-Yb-176



49

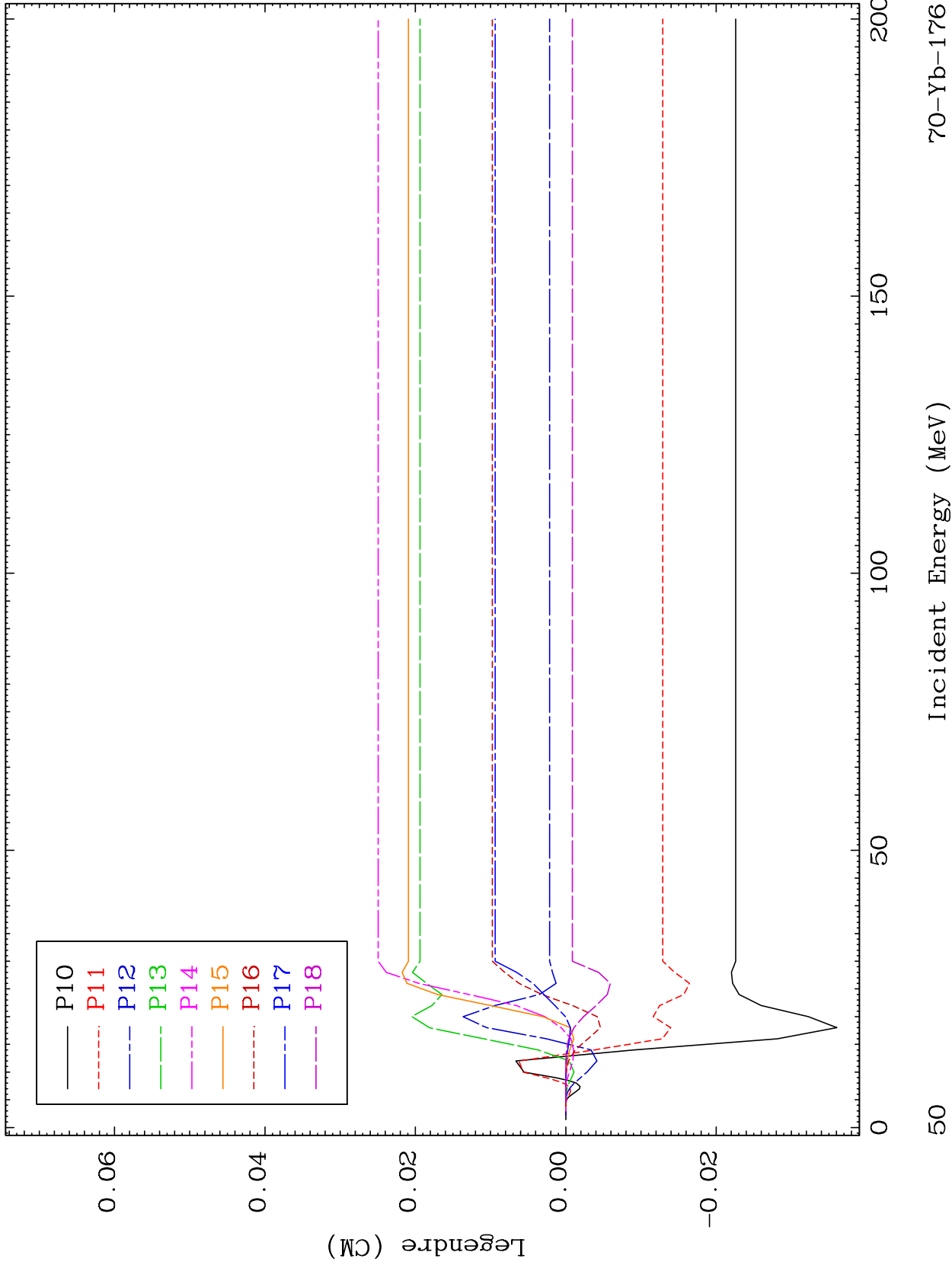
Incident Energy (MeV)

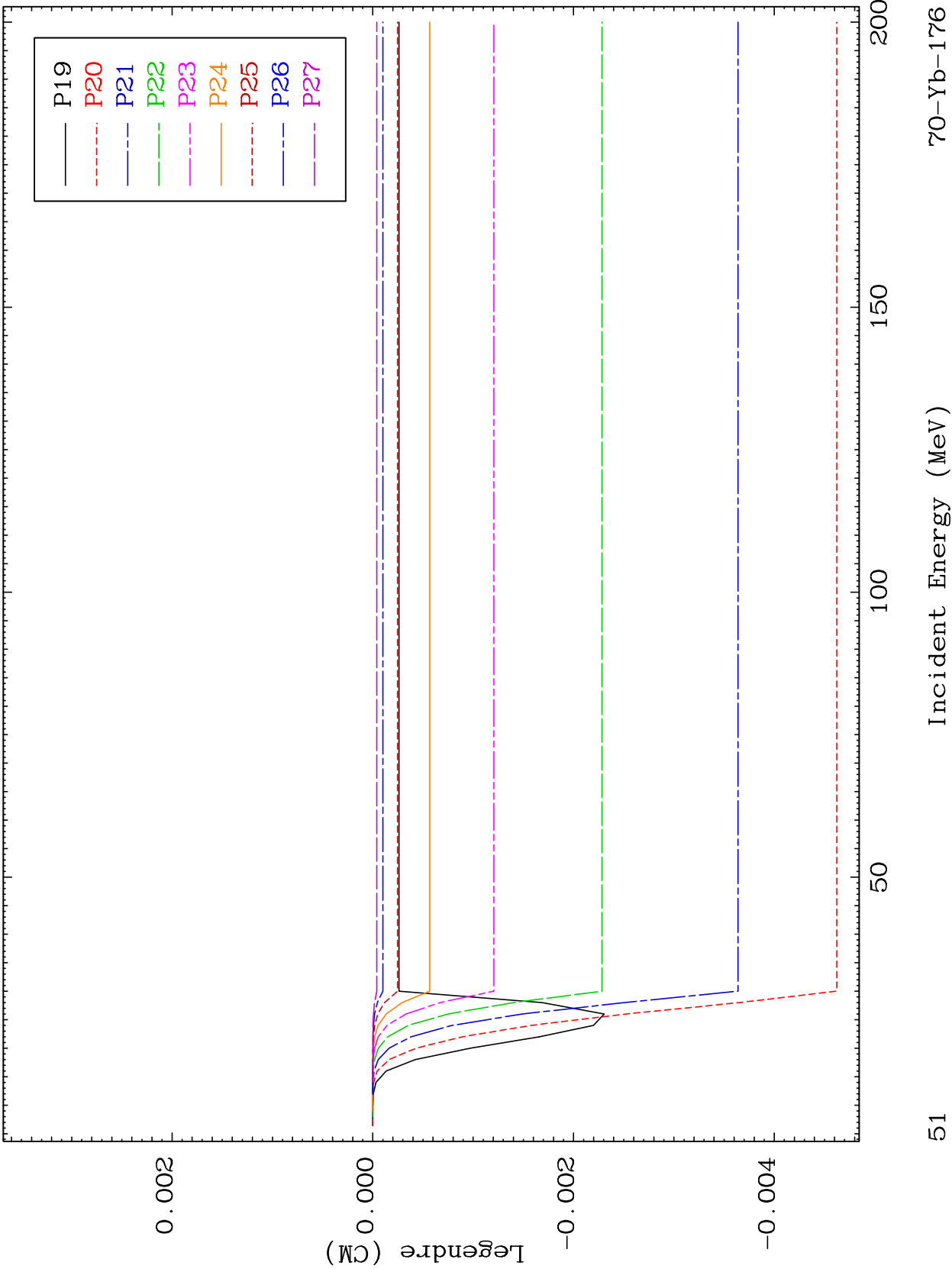
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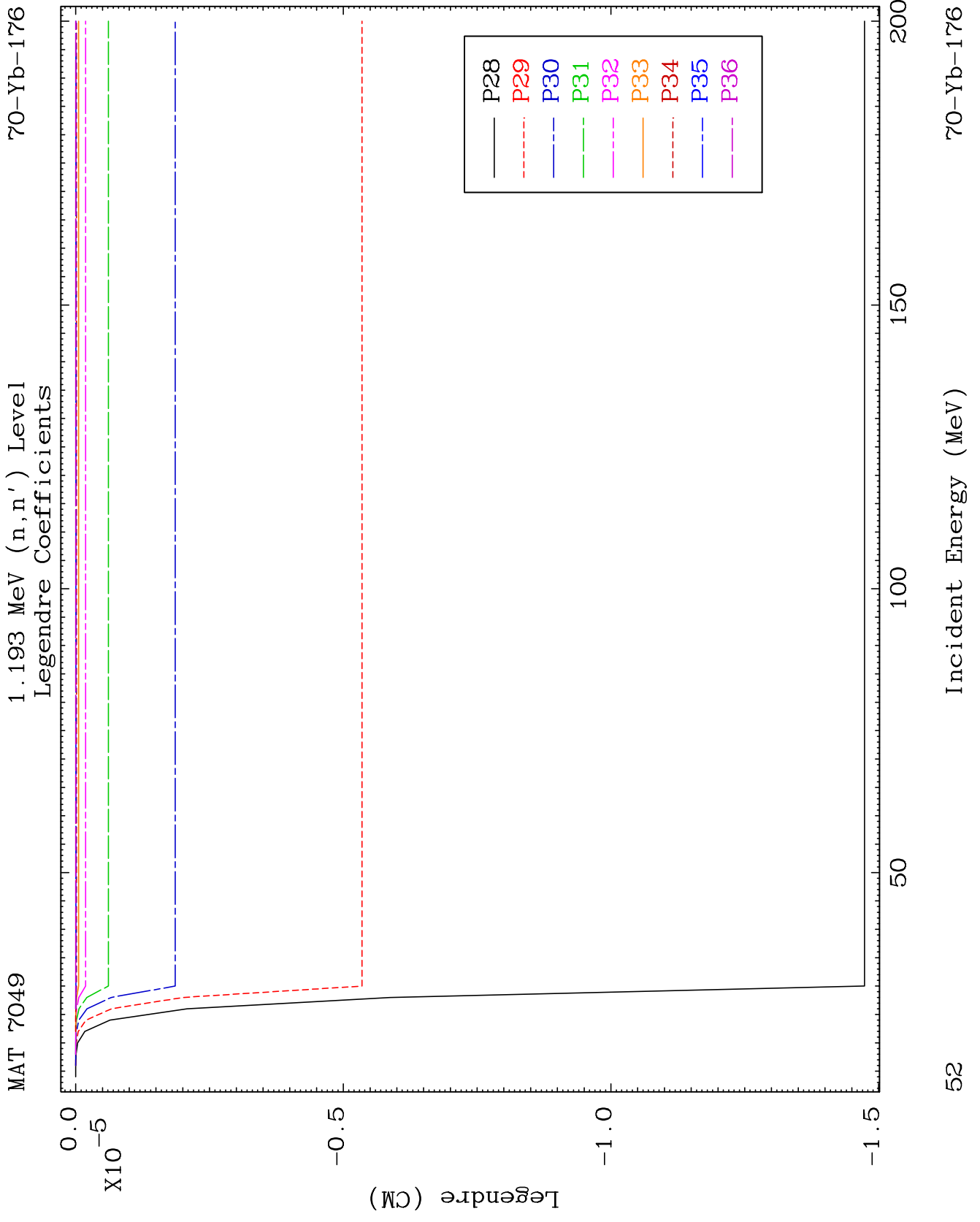
MAT 7049

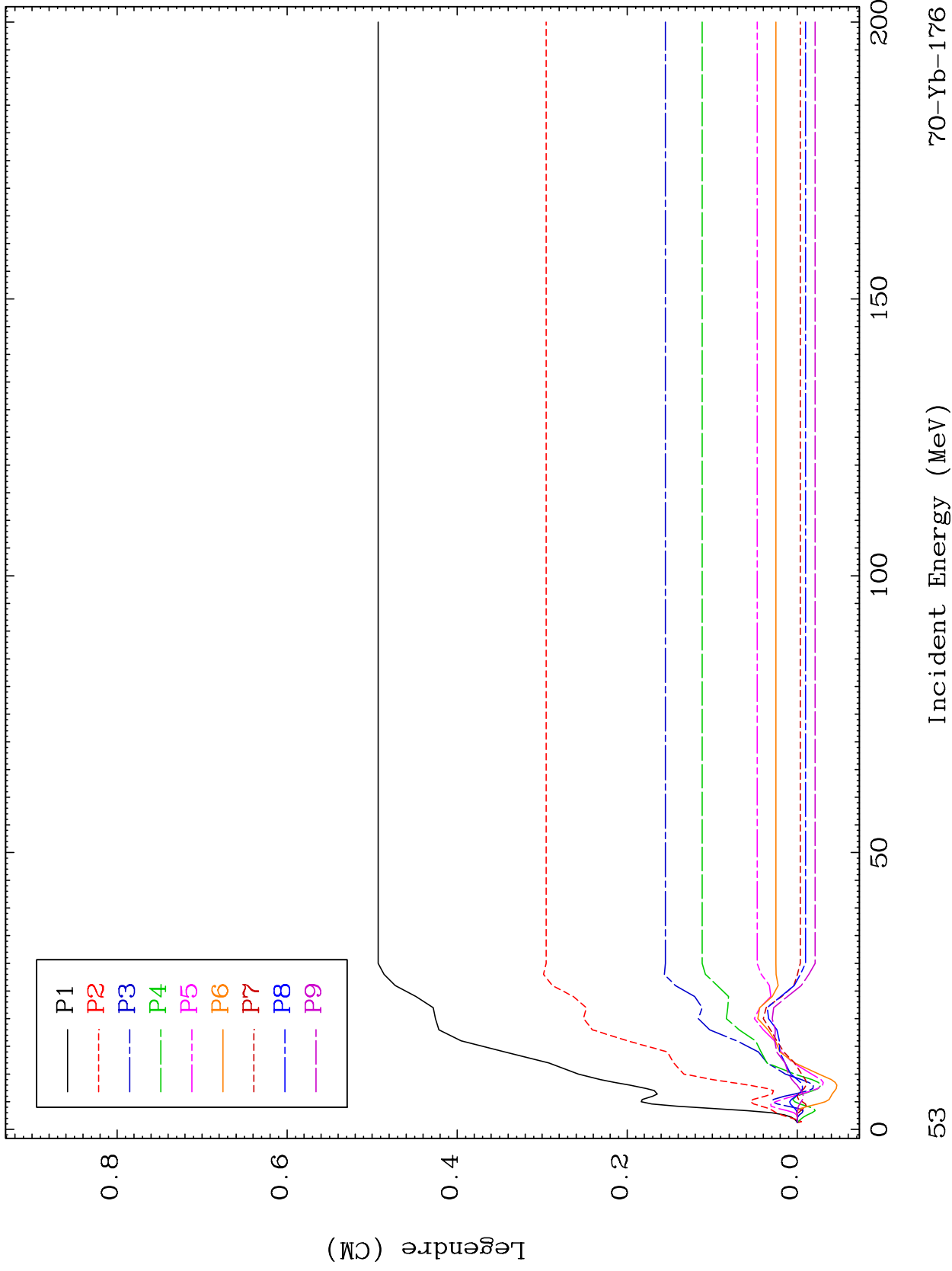
1.193 MeV (n,n') Level
Legendre Coefficients

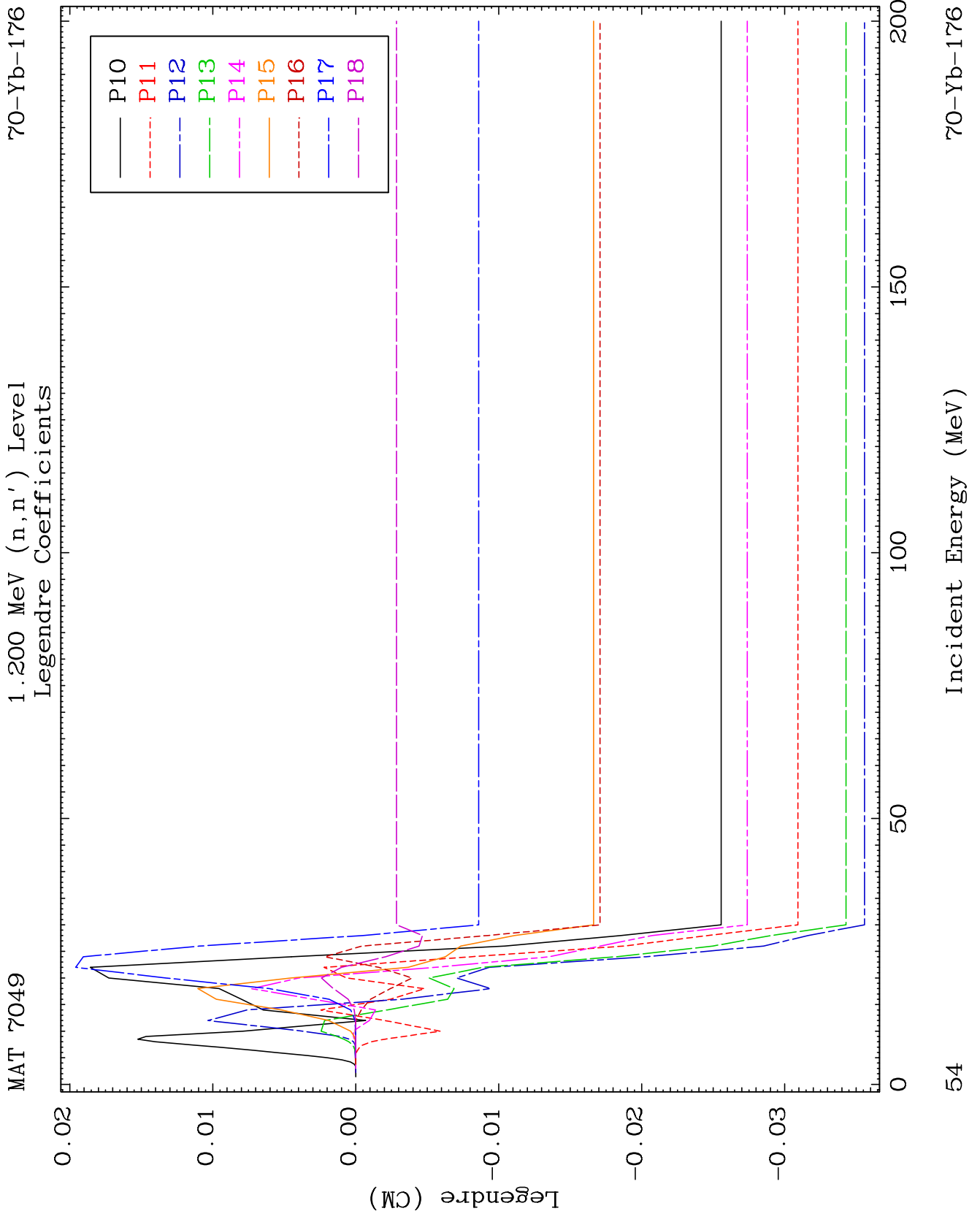
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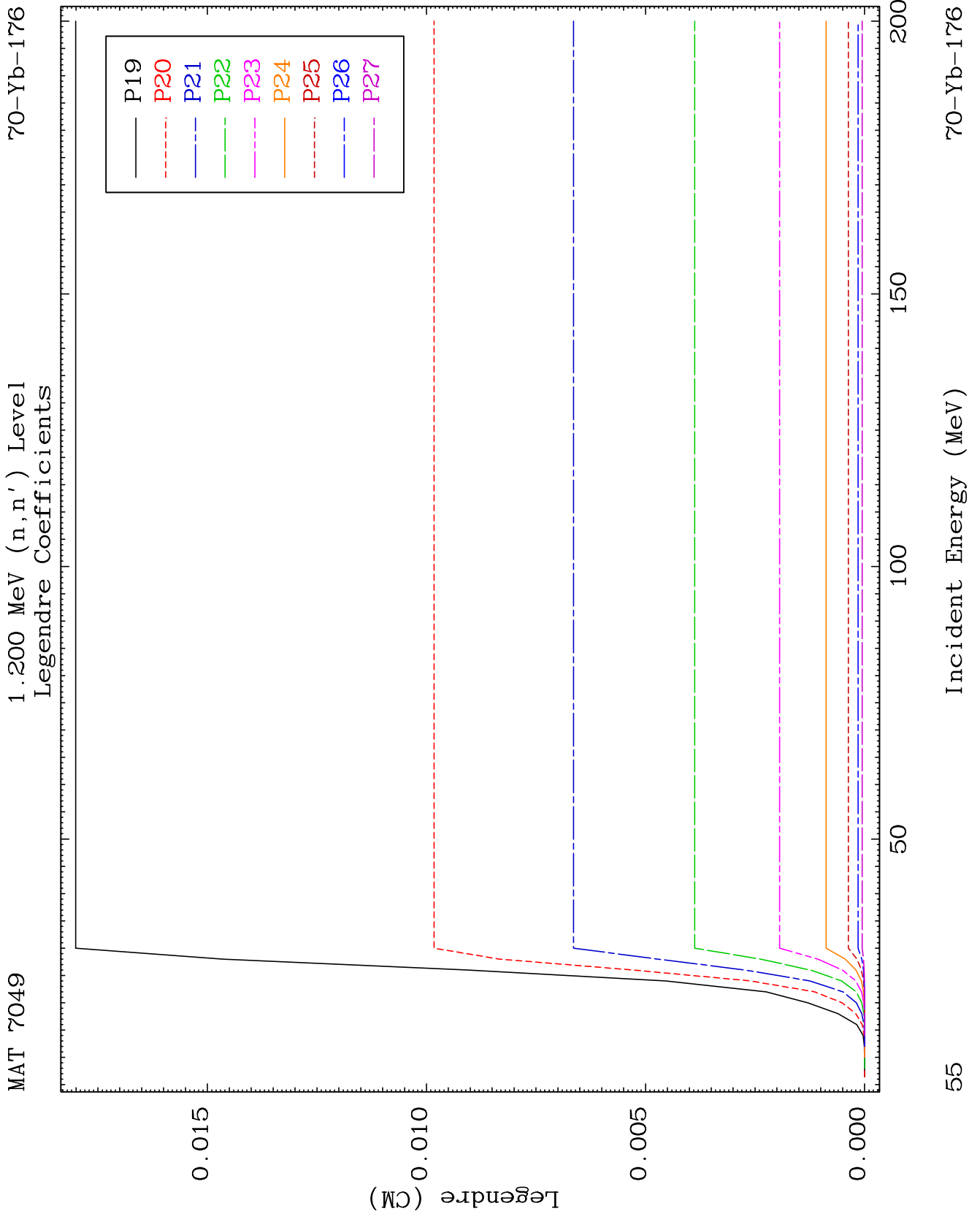


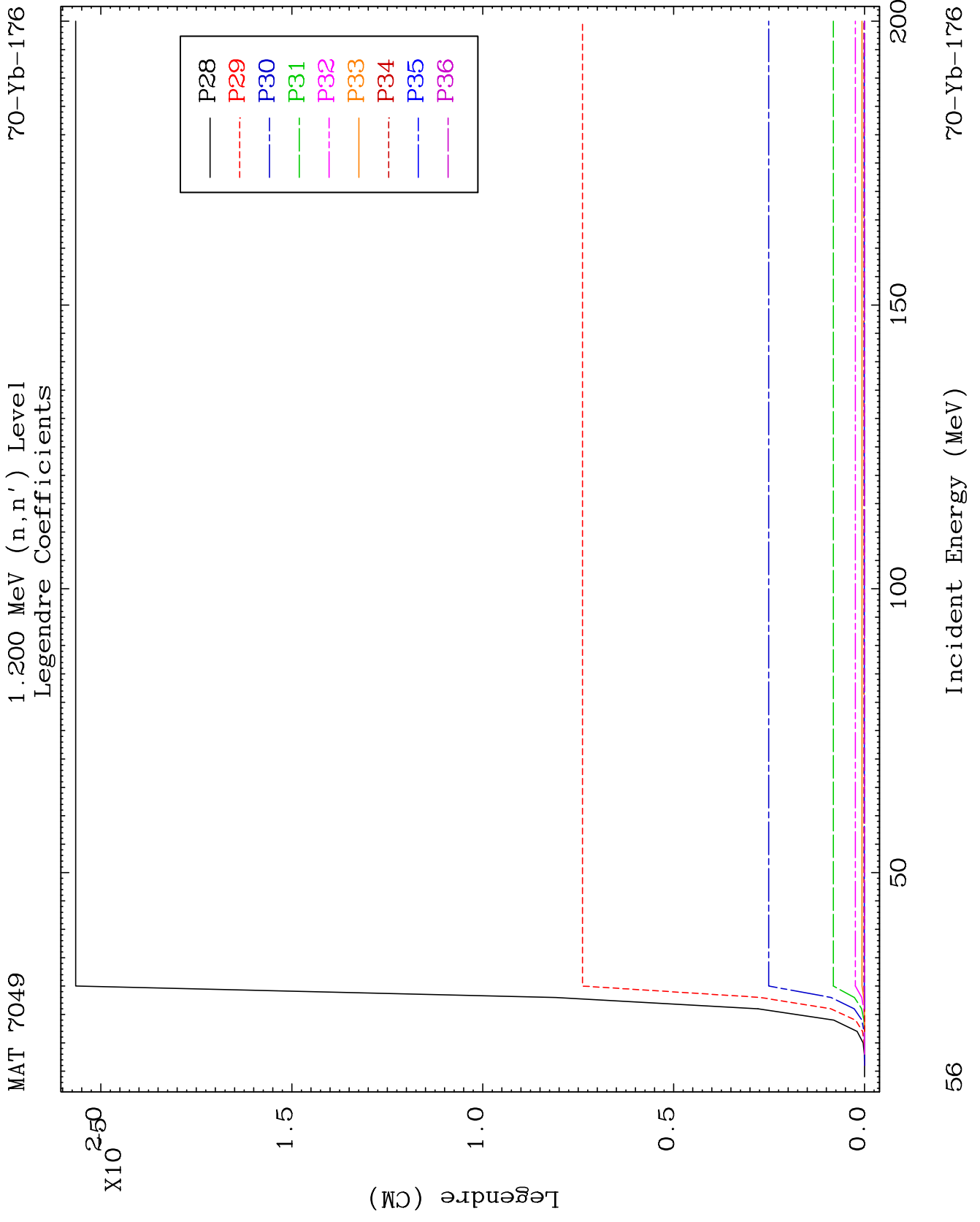








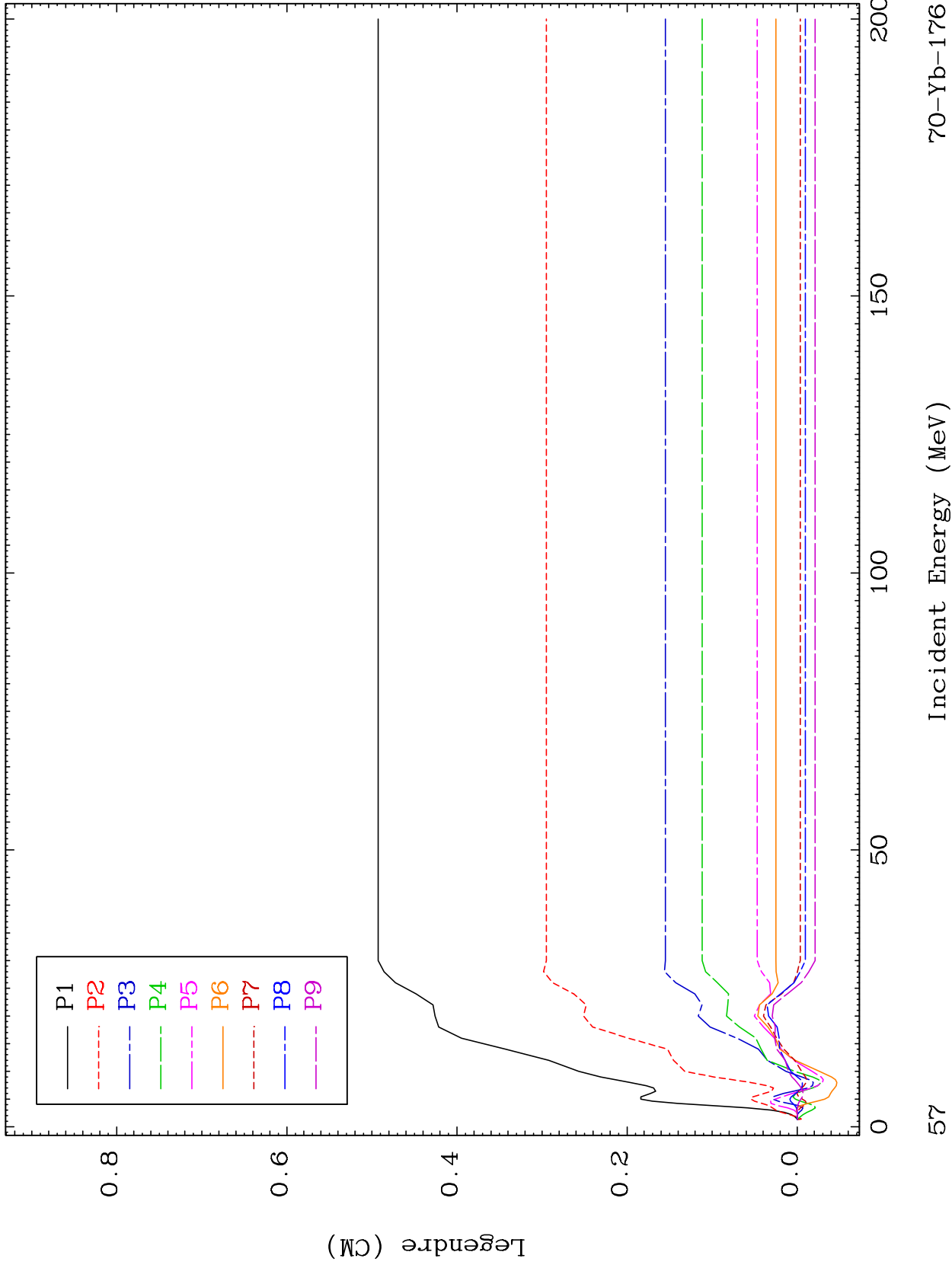




MAT 7049

1.261 MeV (n, n') Level
Legendre Coefficients

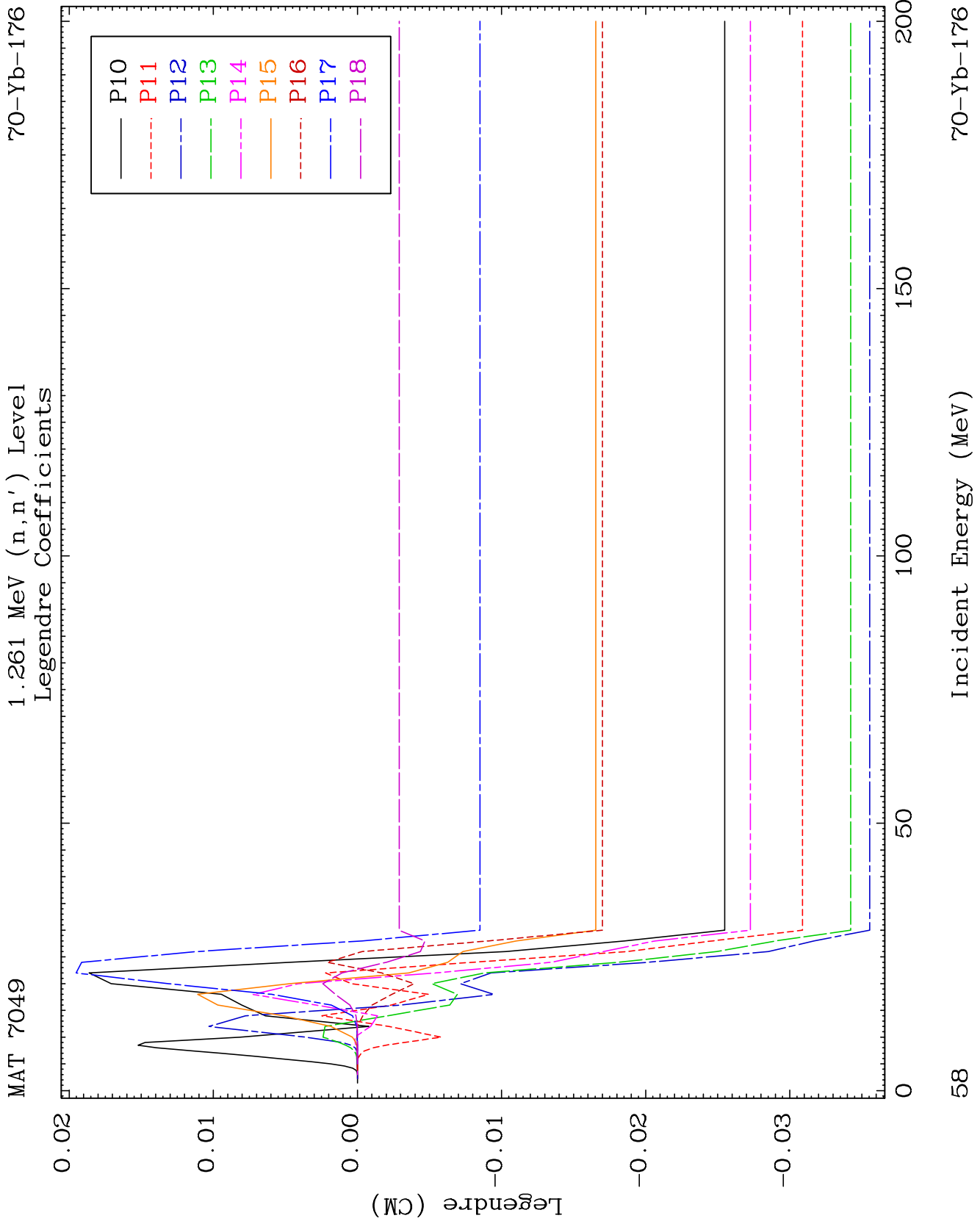
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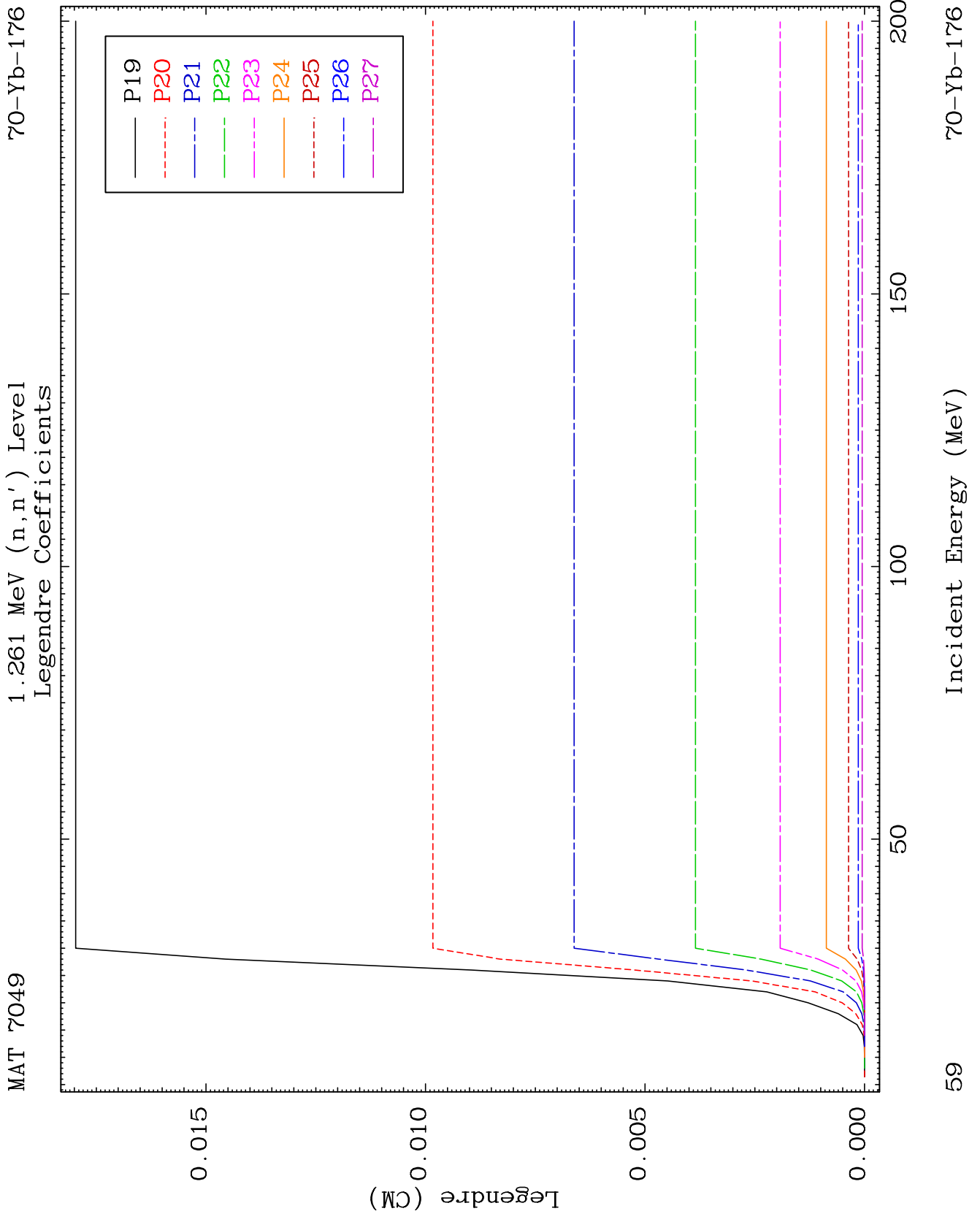


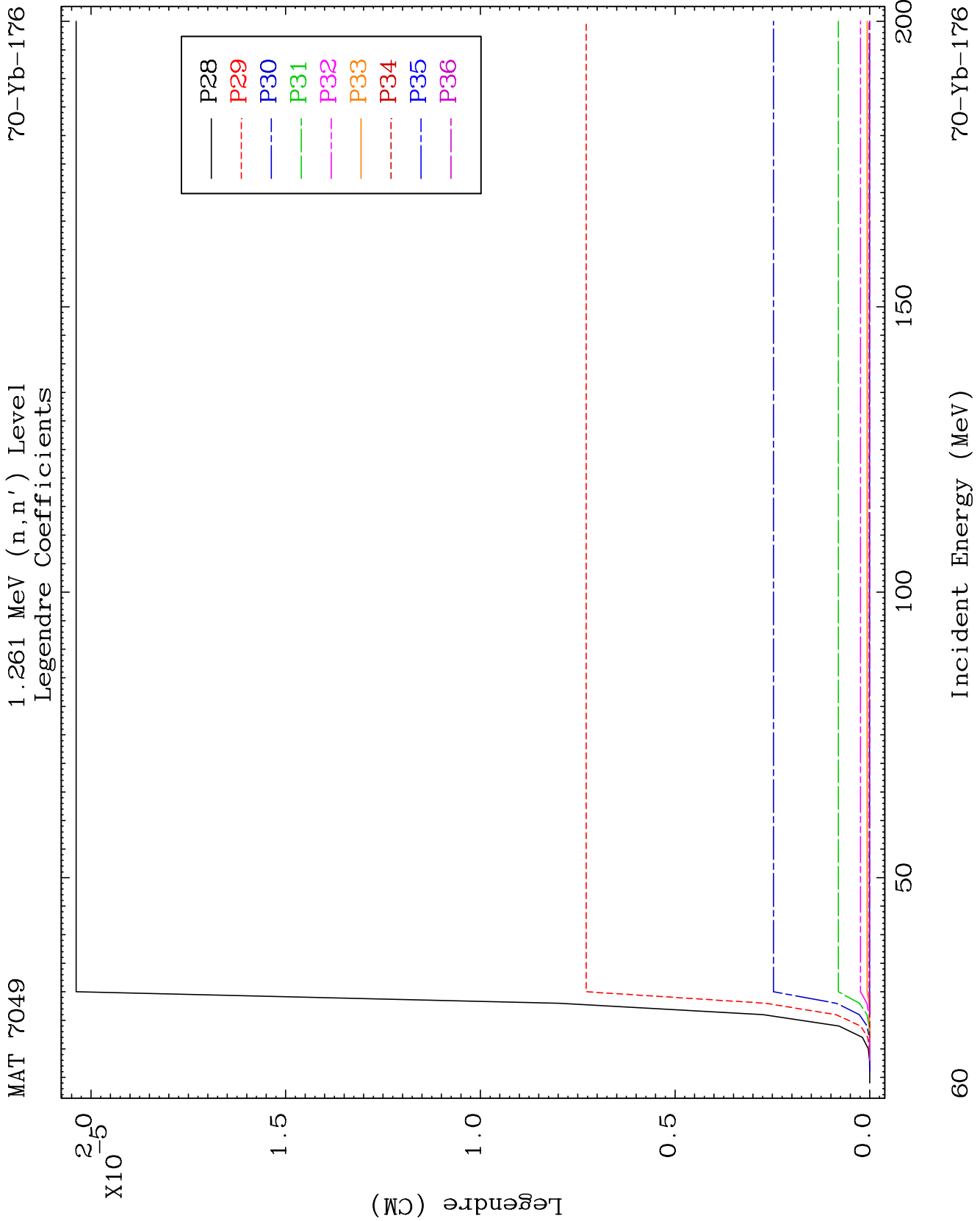
57

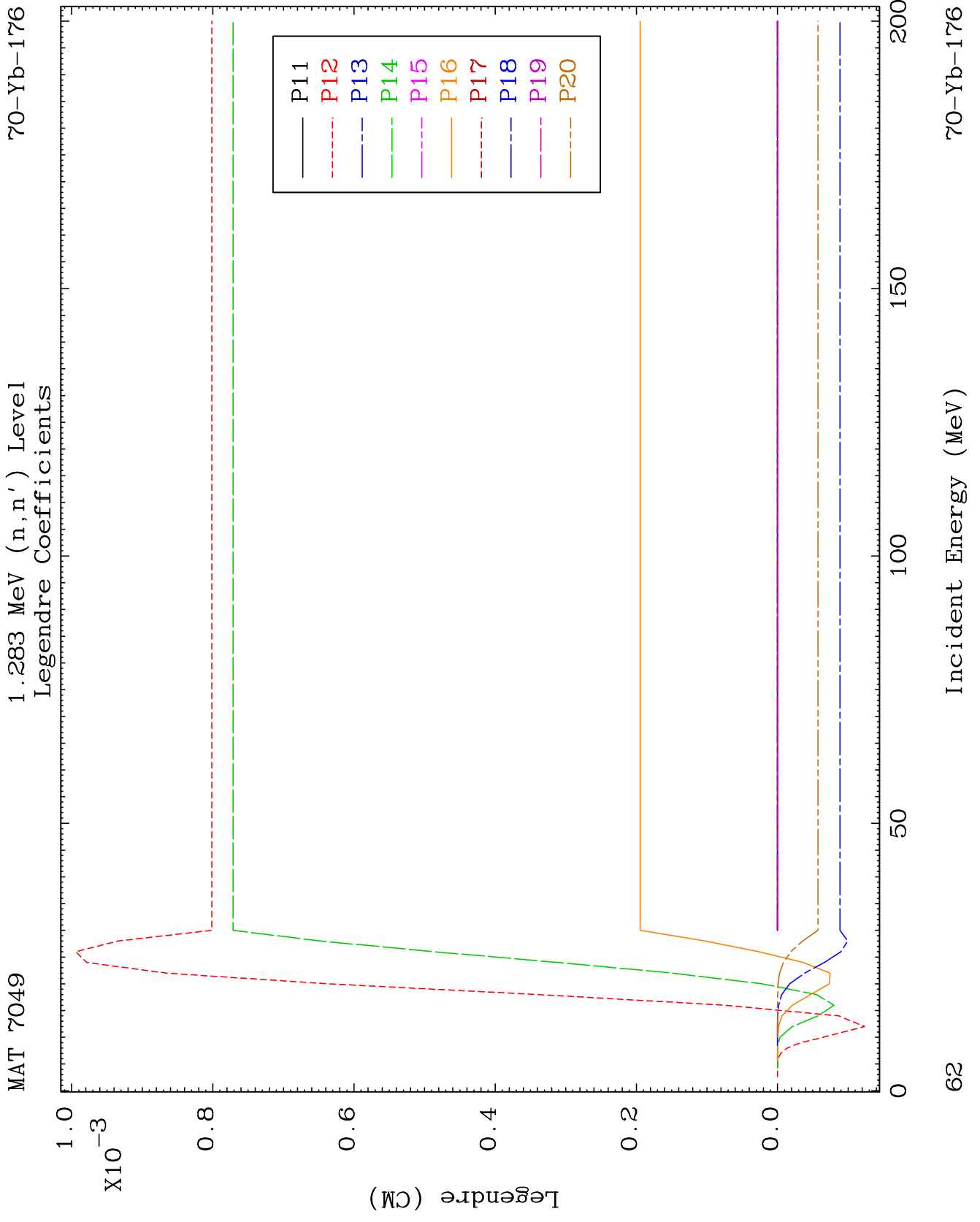
Incident Energy (MeV)

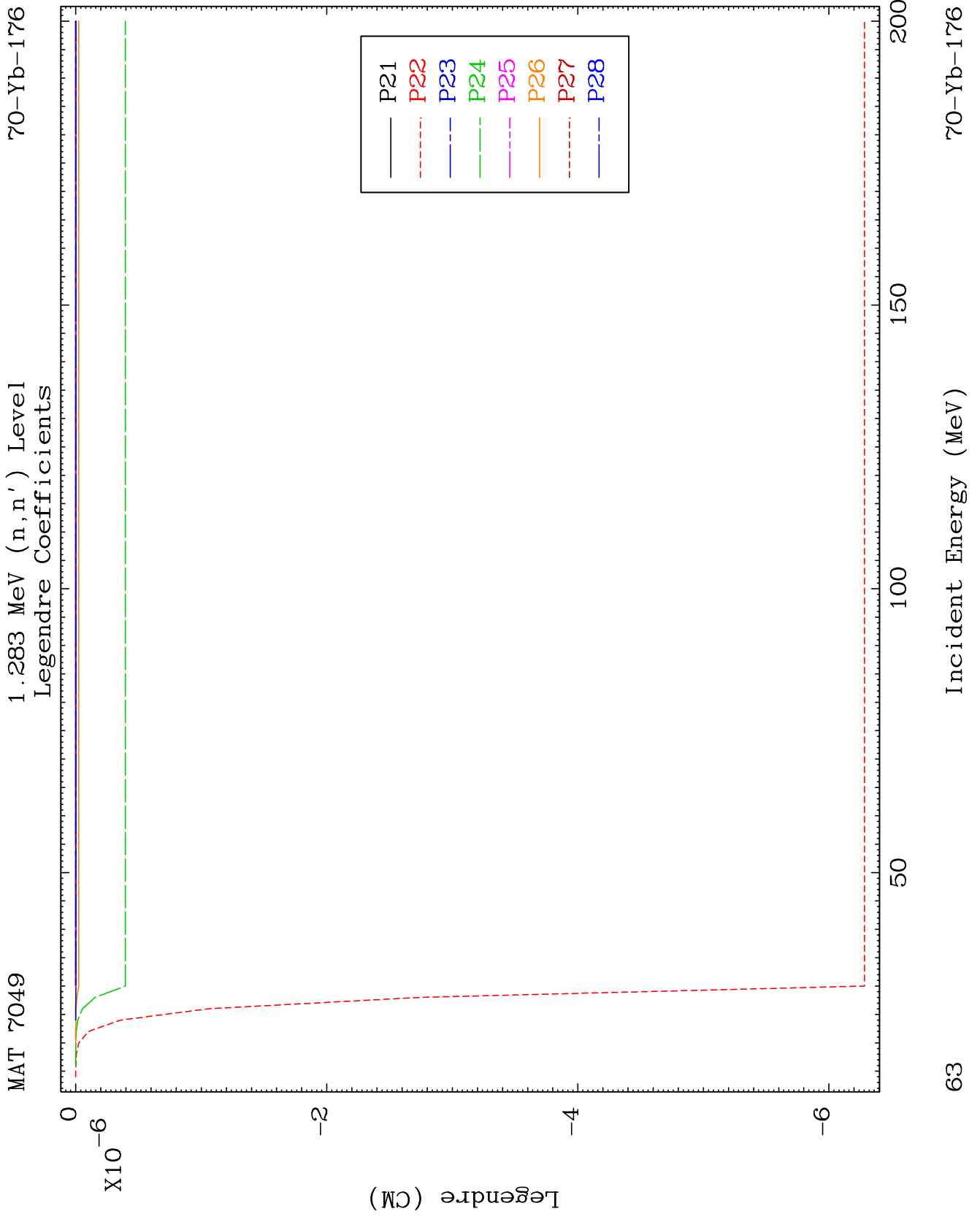
70-Yb-176







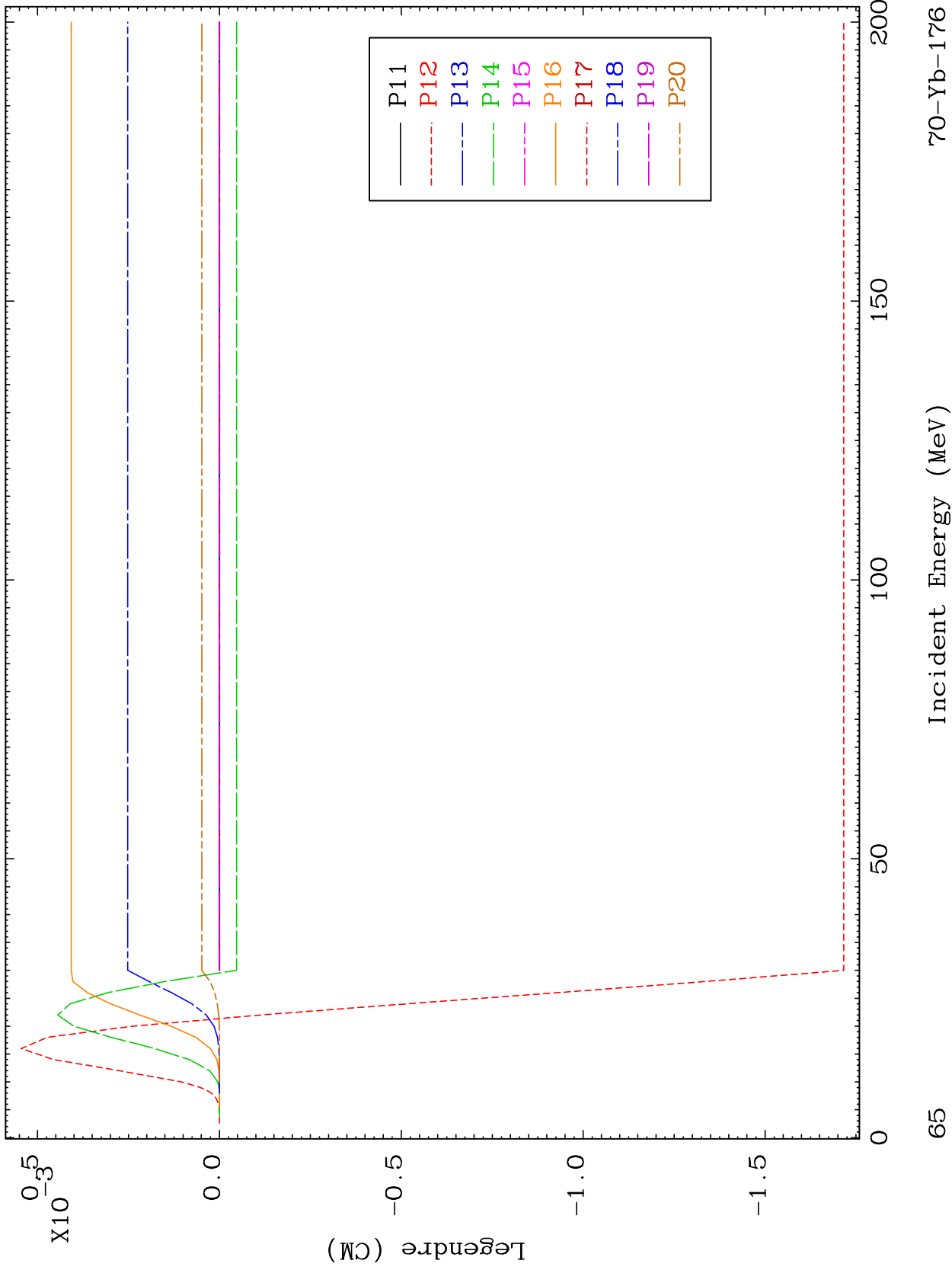


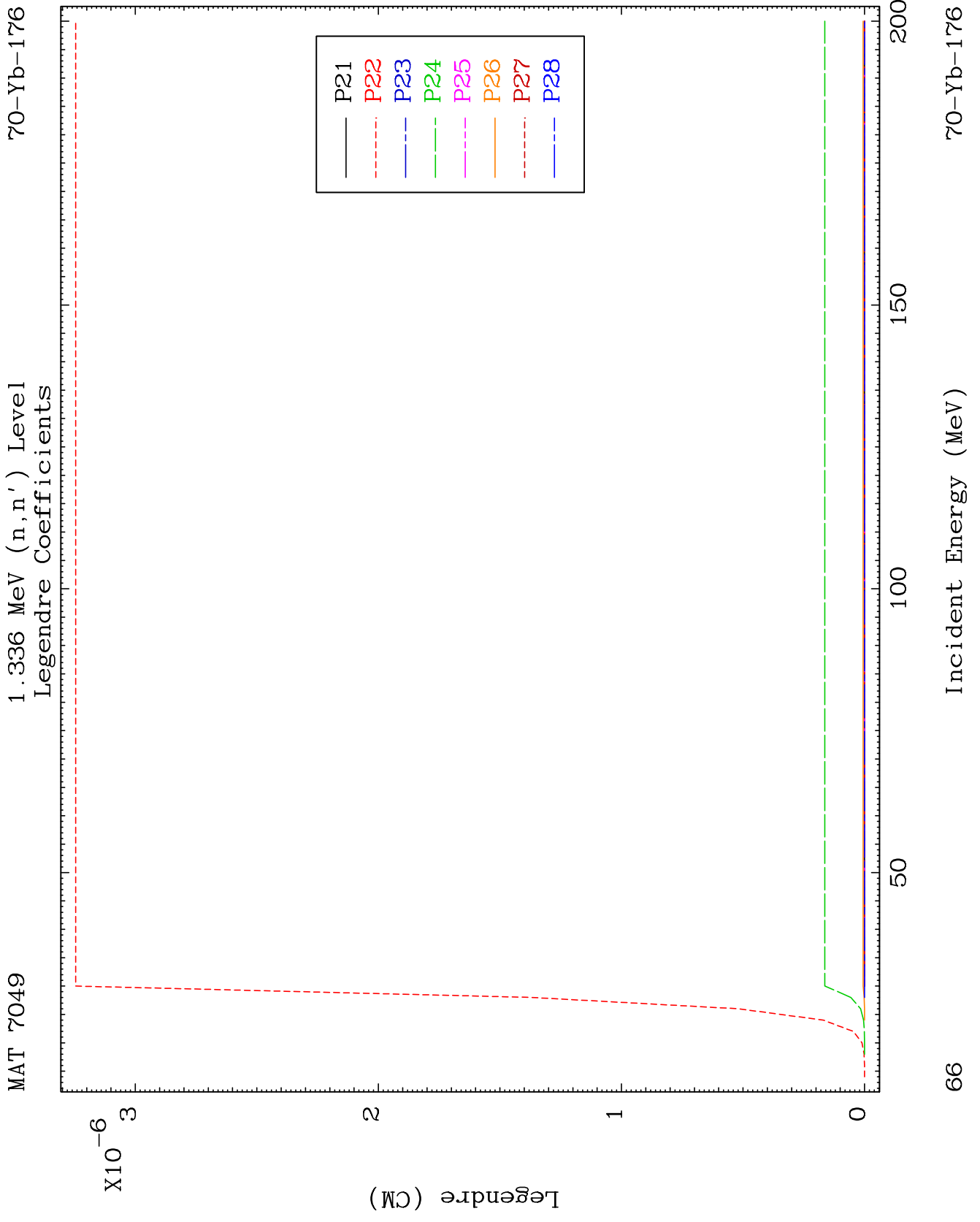


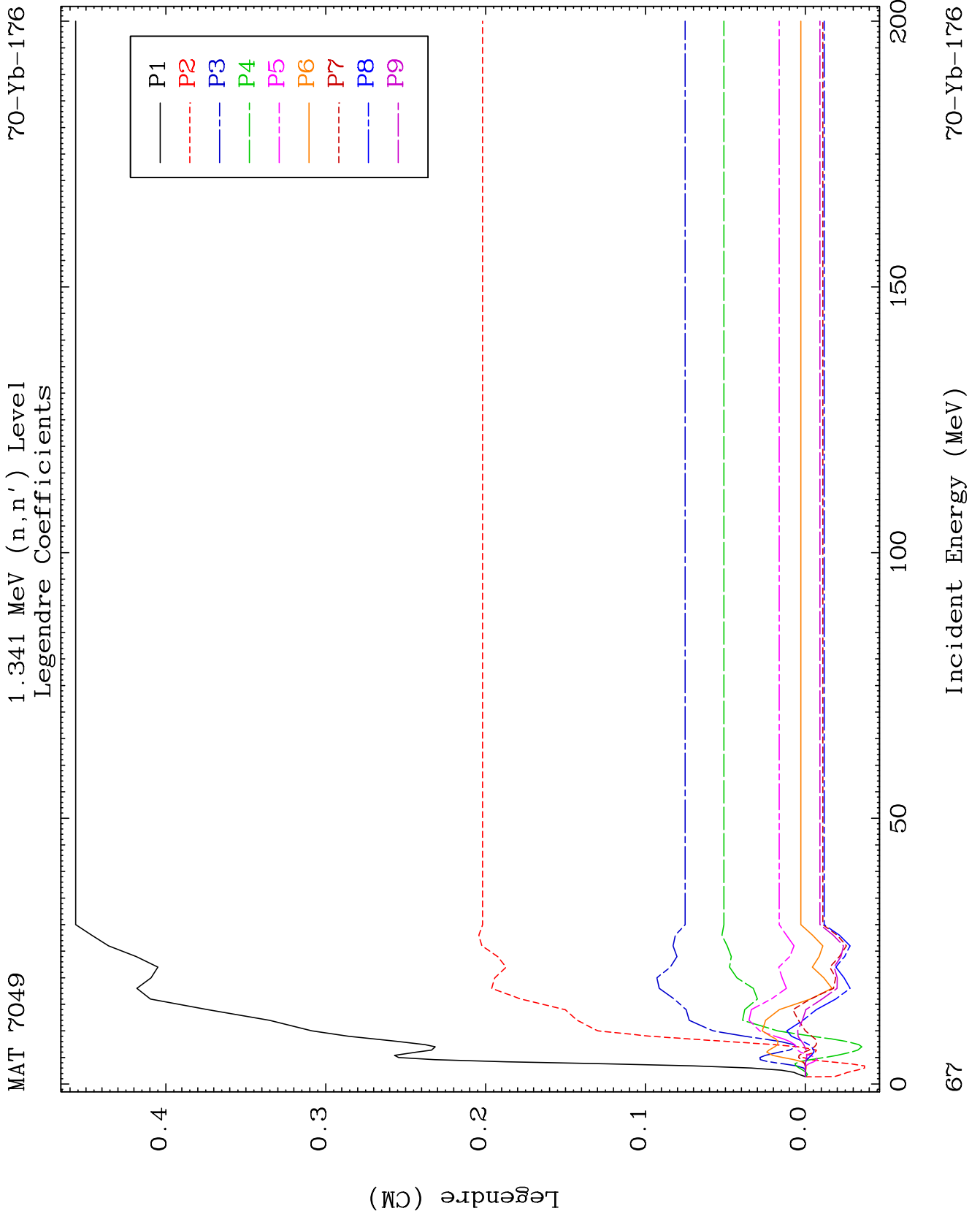
MAT 7049

1.336 MeV (n,n') Level
Legendre Coefficients

70-Yb-176



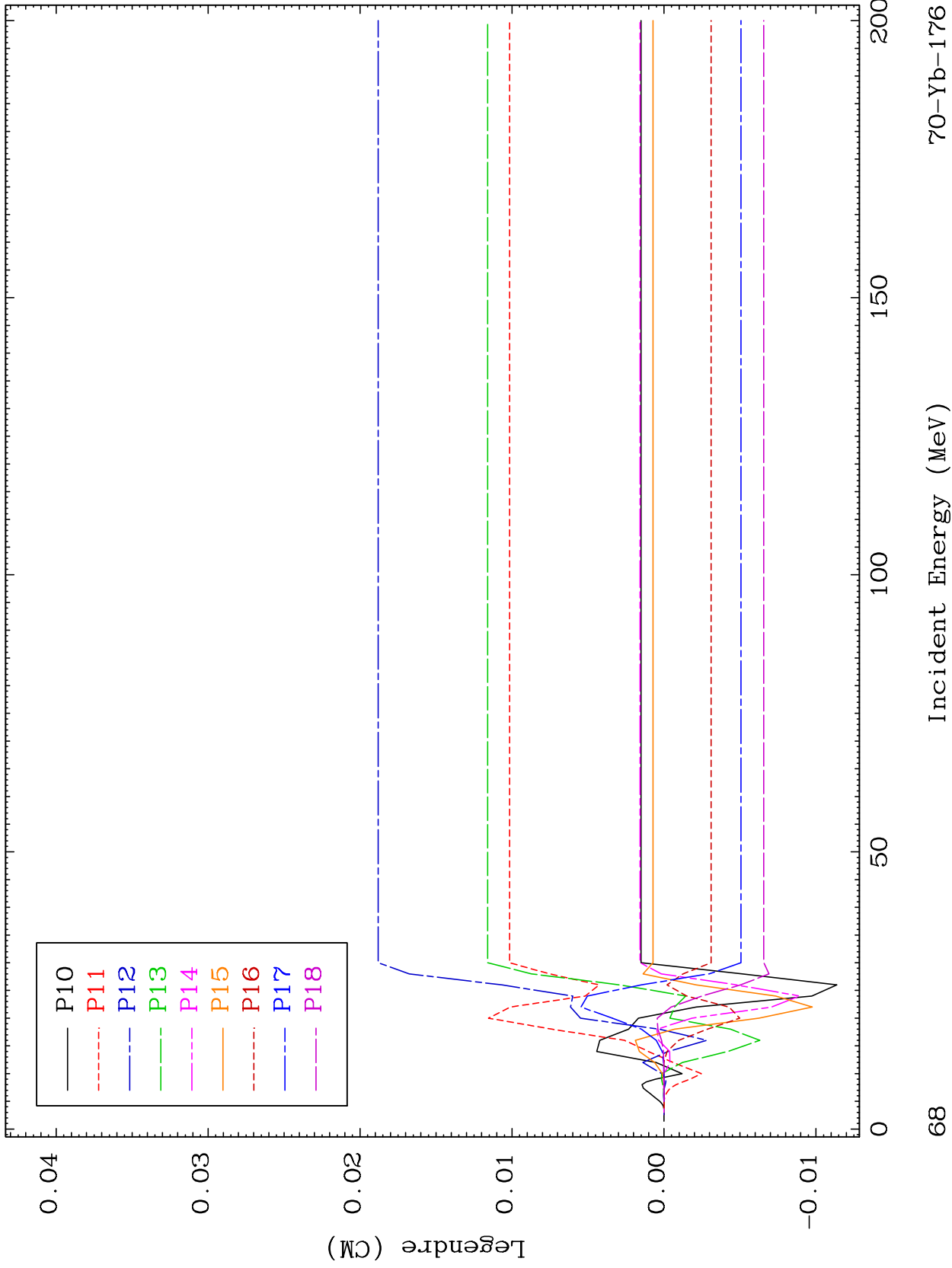




MAT 7049

1.341 MeV (n,n') Level
Legendre Coefficients

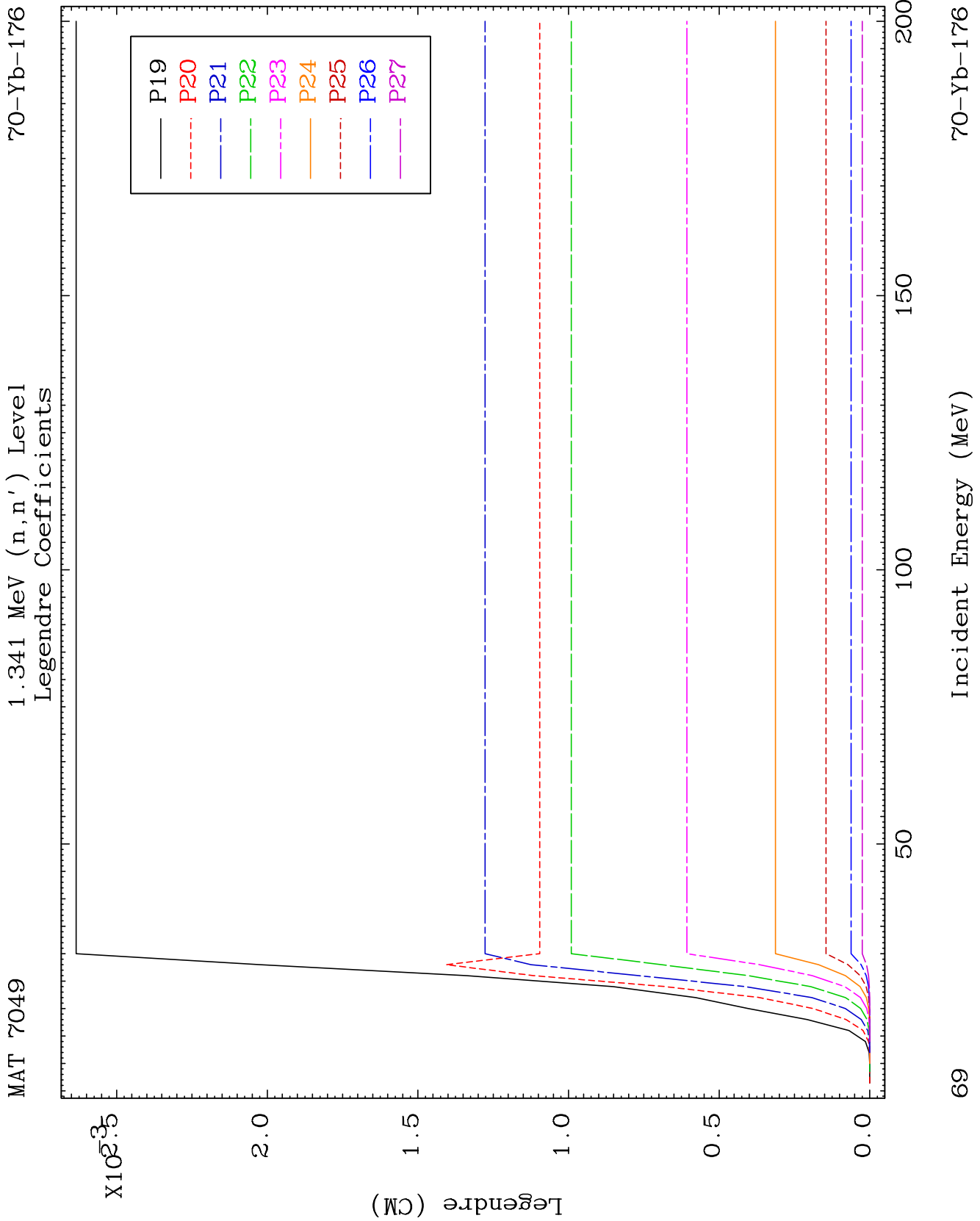
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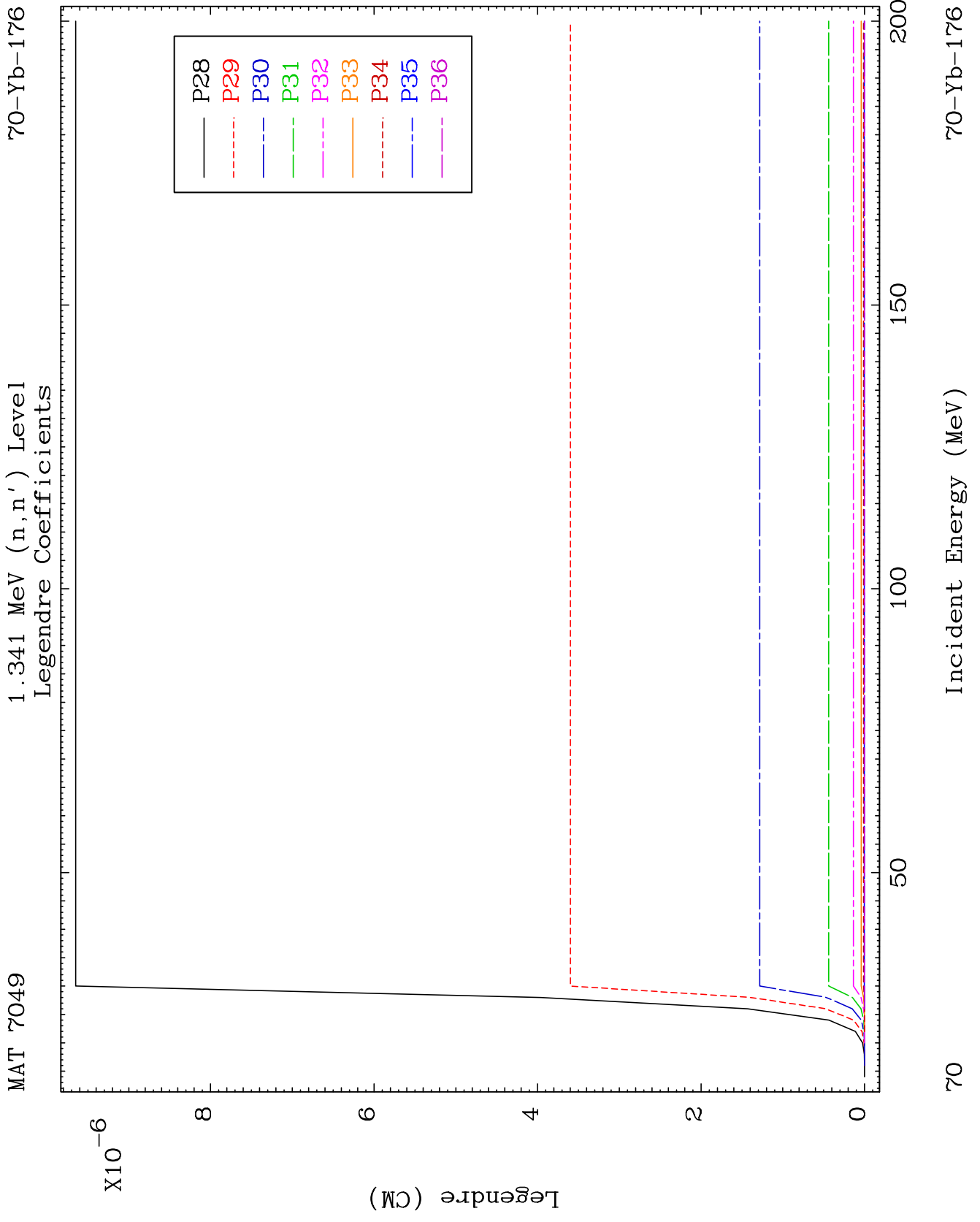


68

Incident Energy (MeV)

70-Yb-176

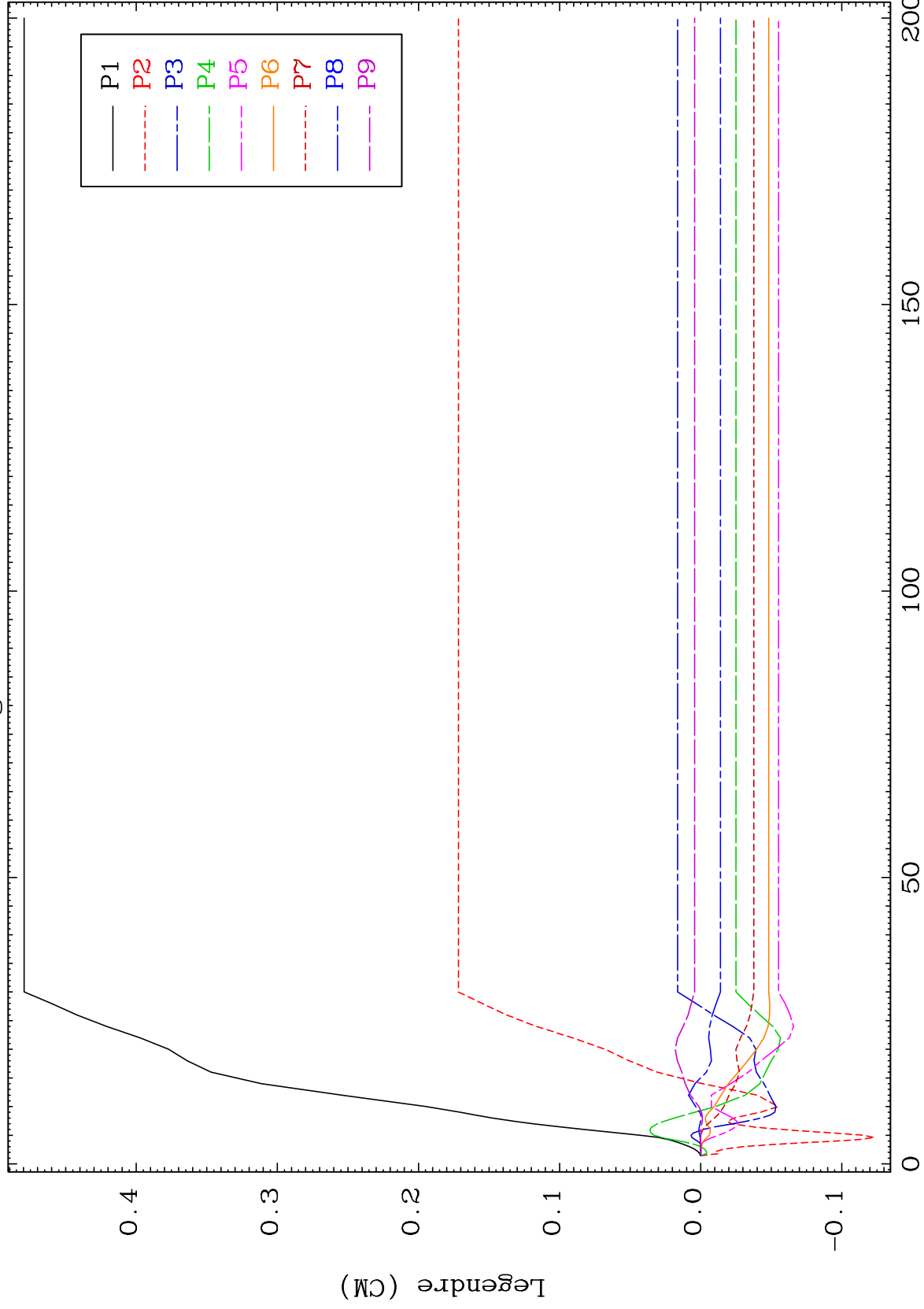




MAT 7049

1.410 MeV (n,n') Level
Legendre Coefficients

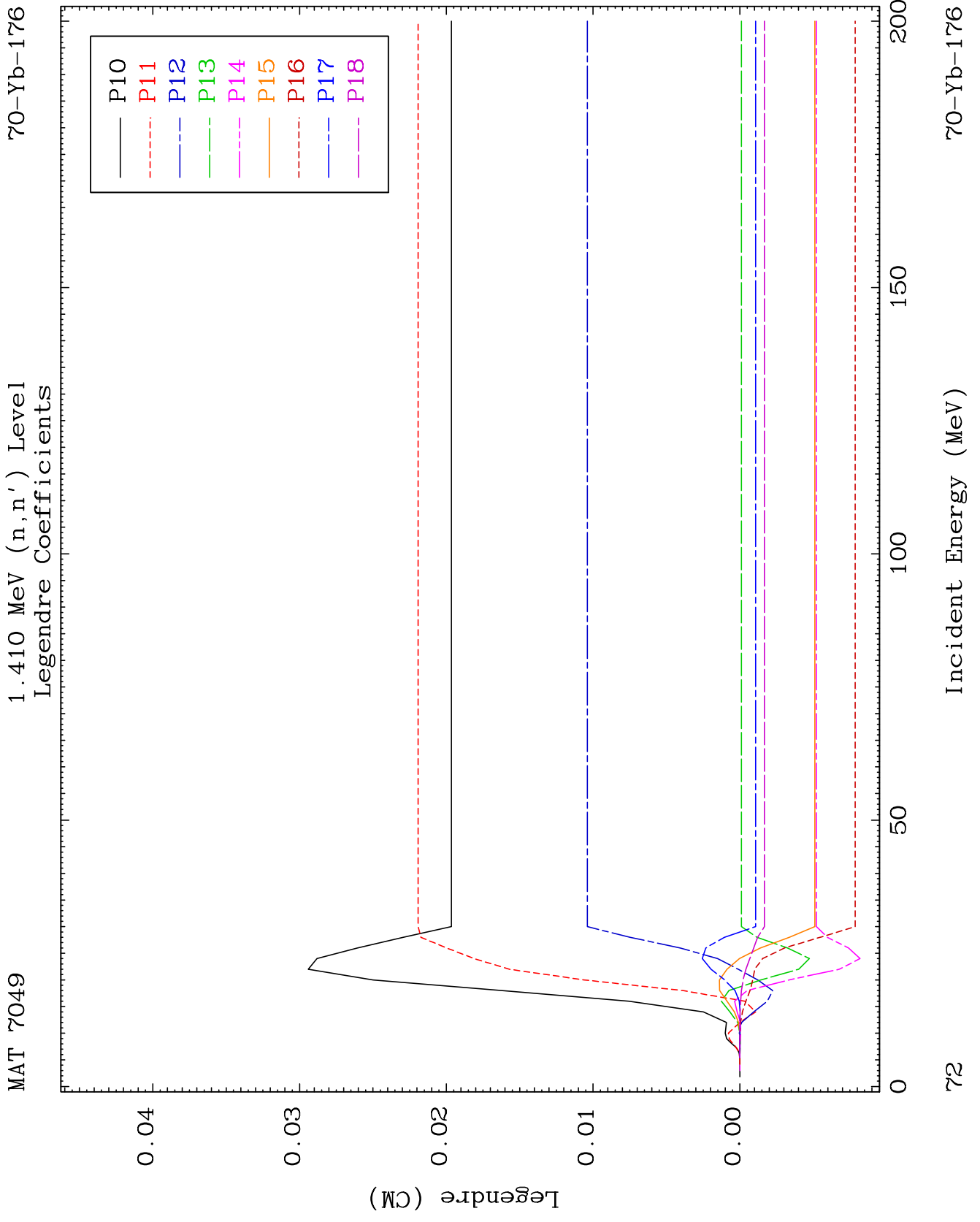
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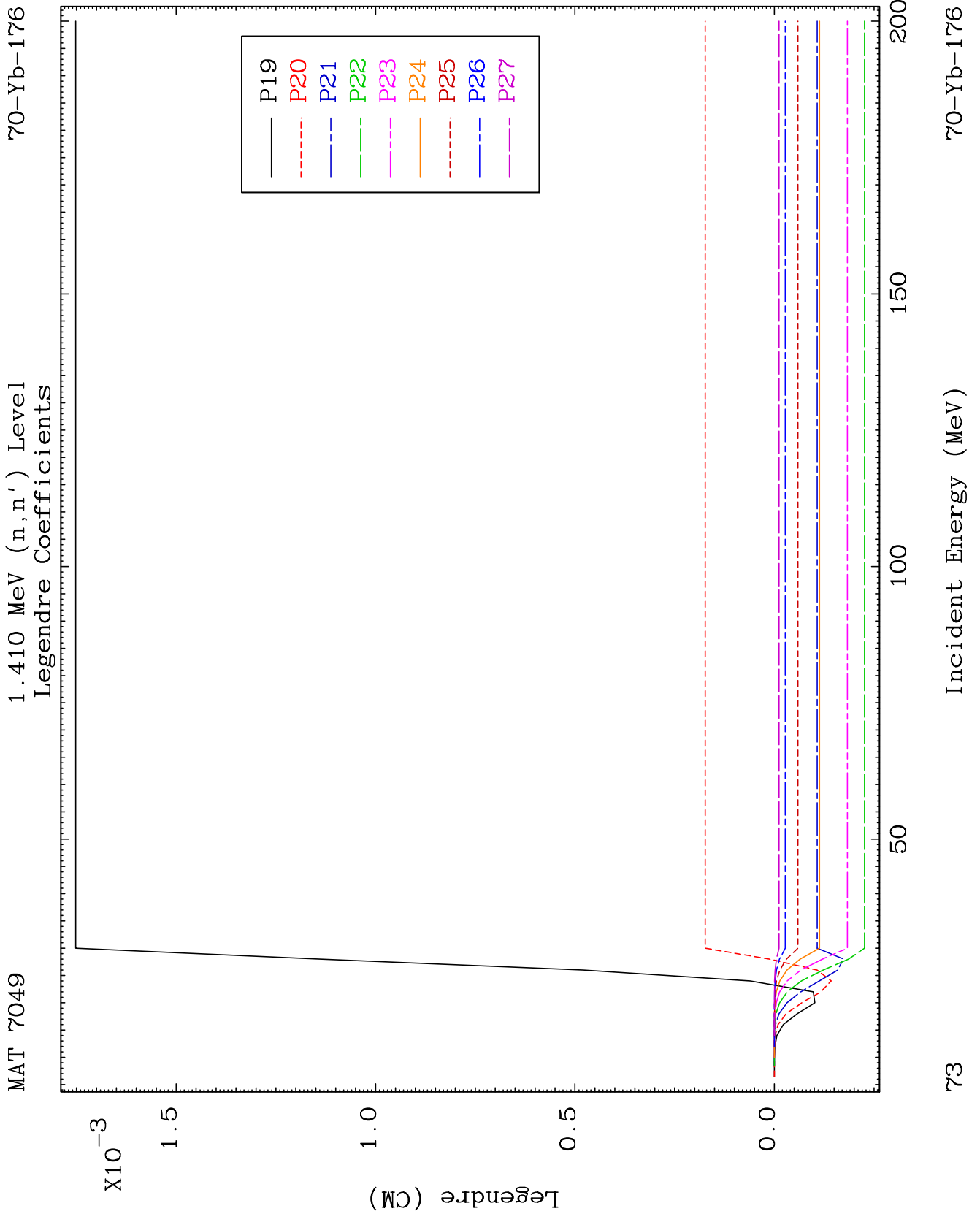


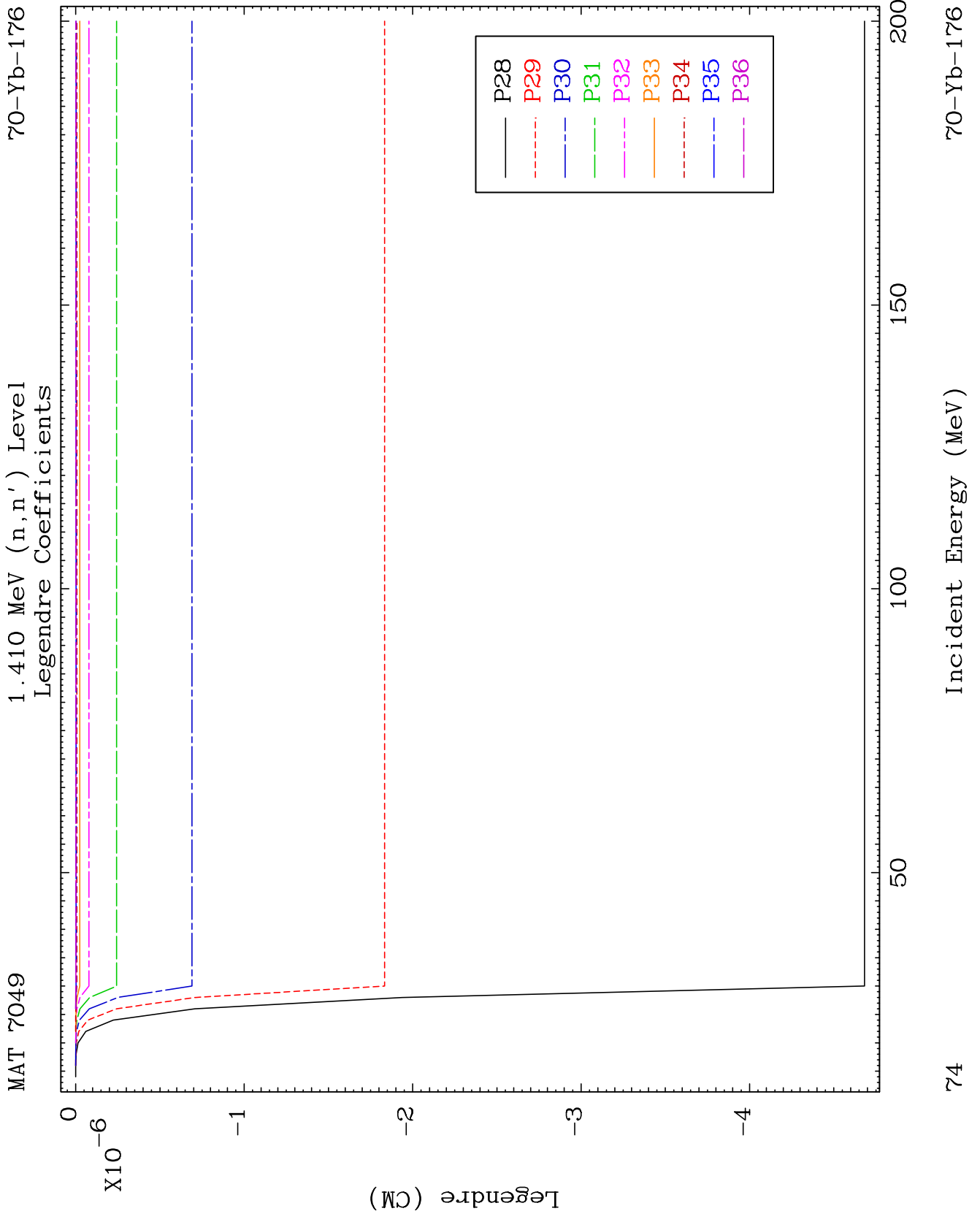
71

Incident Energy (MeV)

70-Yb-176



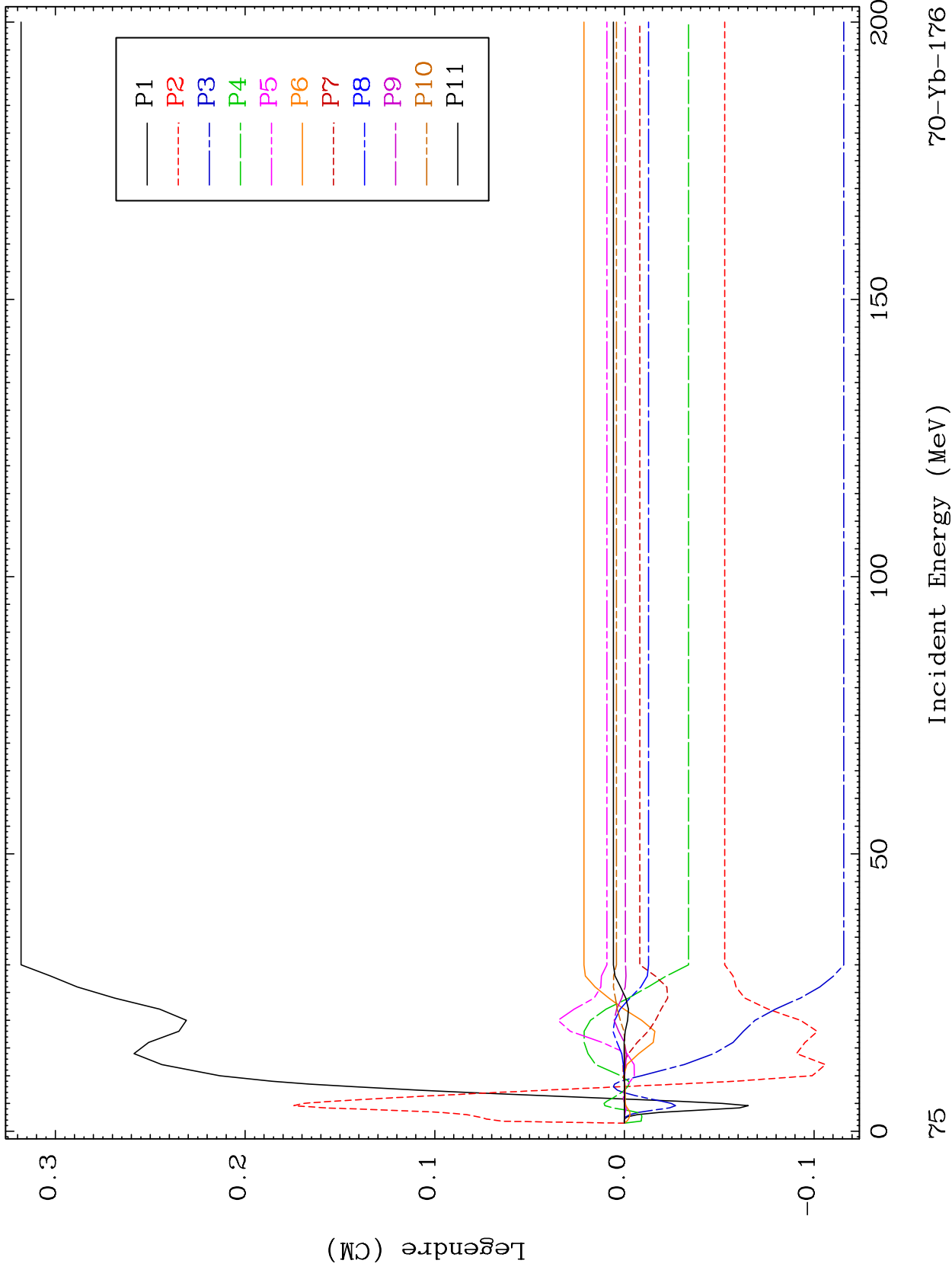




MAT 7049

1.431 MeV (n,n') Level
Legendre Coefficients

70-Yb-176



70-Yb-176

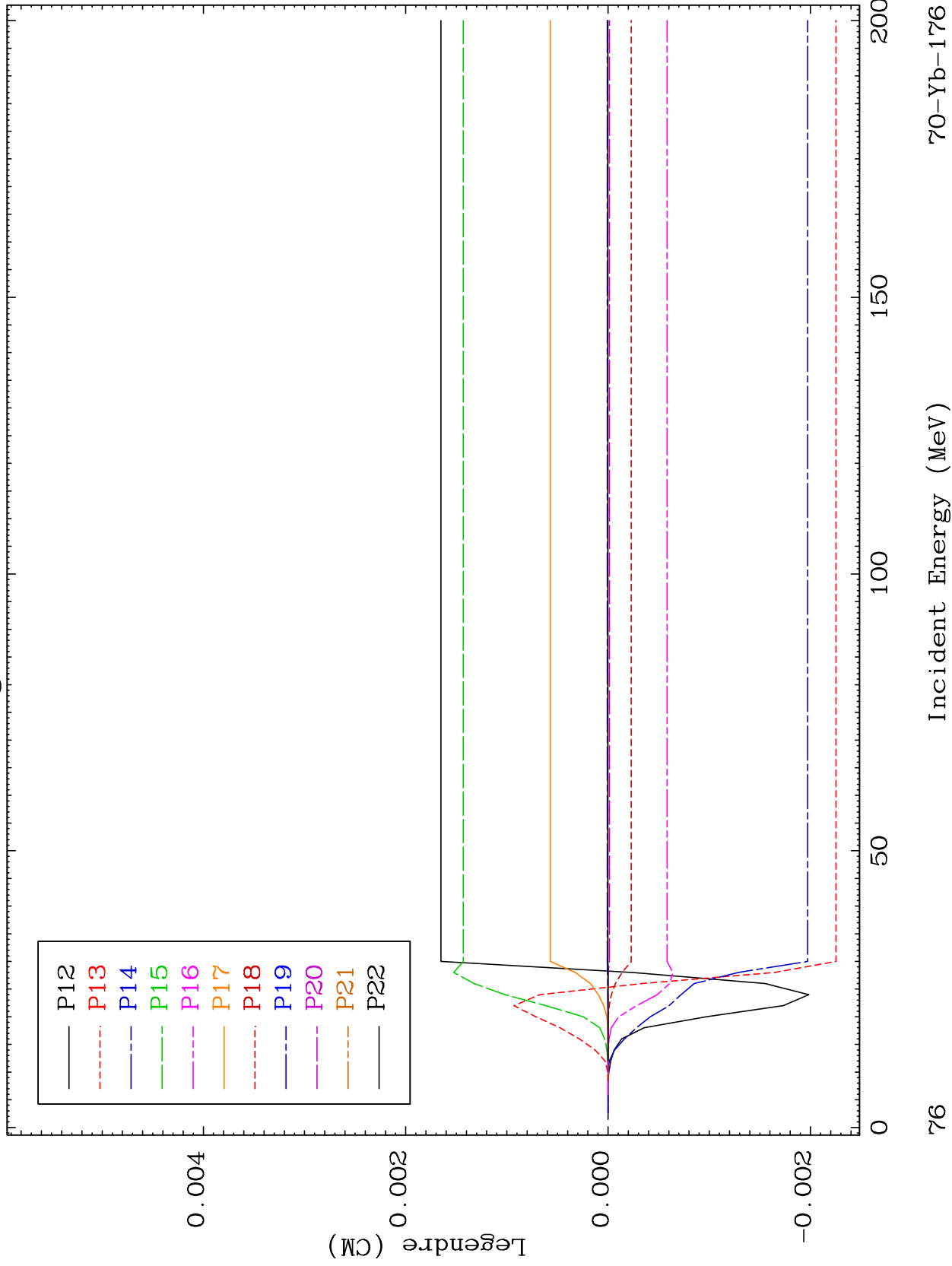
Incident Energy (MeV)

75

MAT 7049

1.431 MeV (n,n') Level
Legendre Coefficients

70-Yb-176



76

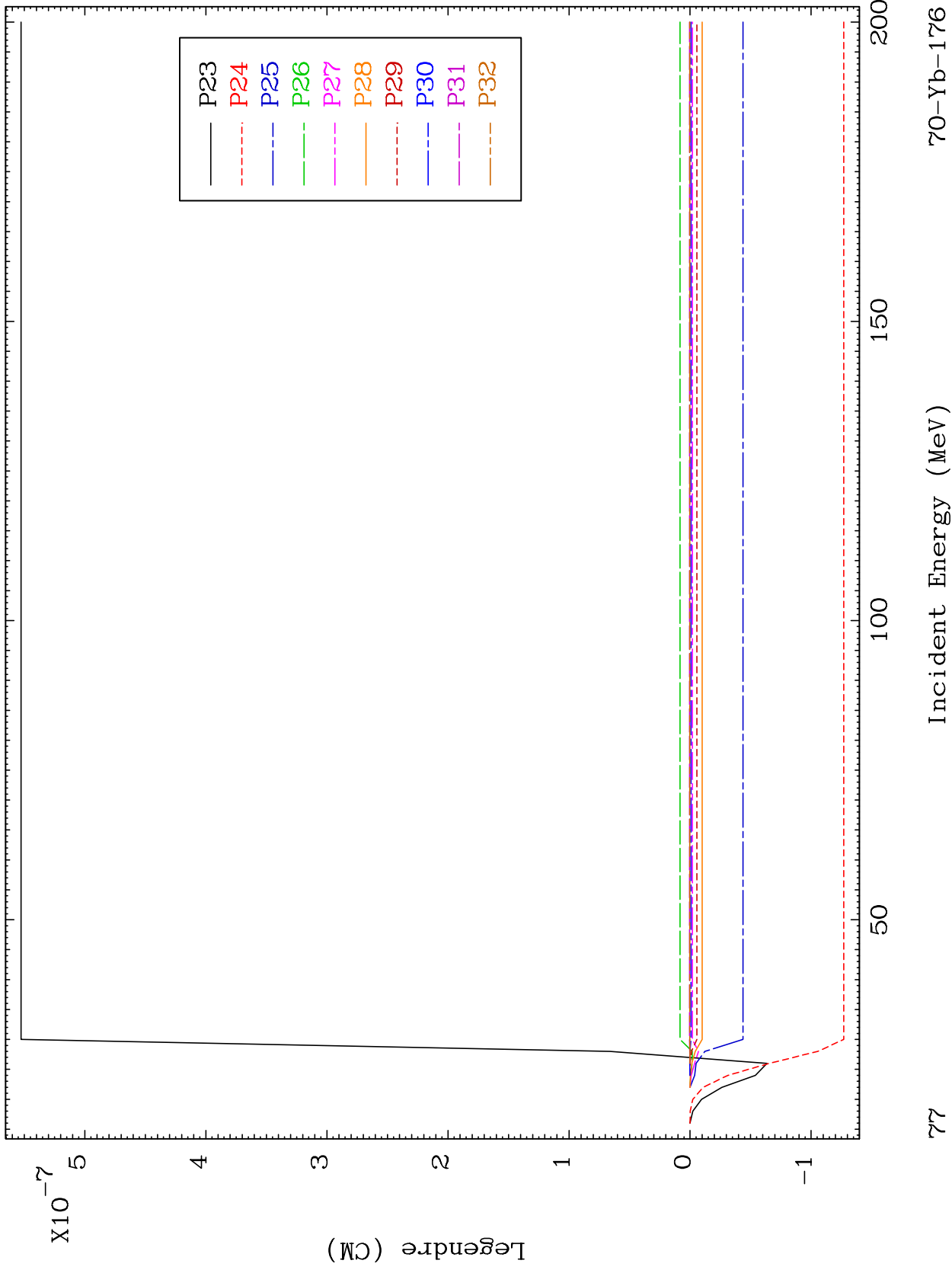
Incident Energy (MeV)

70-Yb-176

MAT 7049

1.431 MeV (n,n') Level
Legendre Coefficients

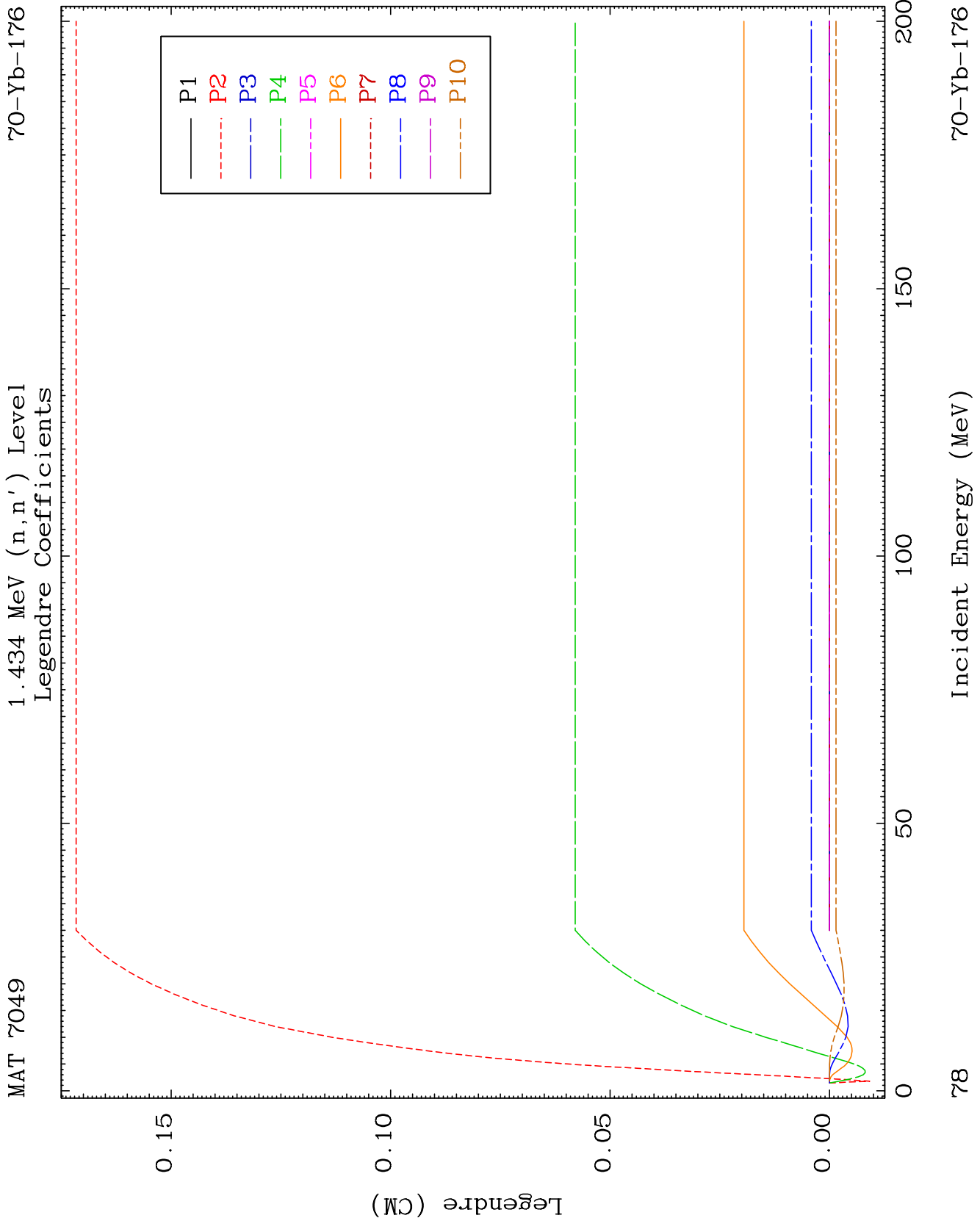
70-Yb-176

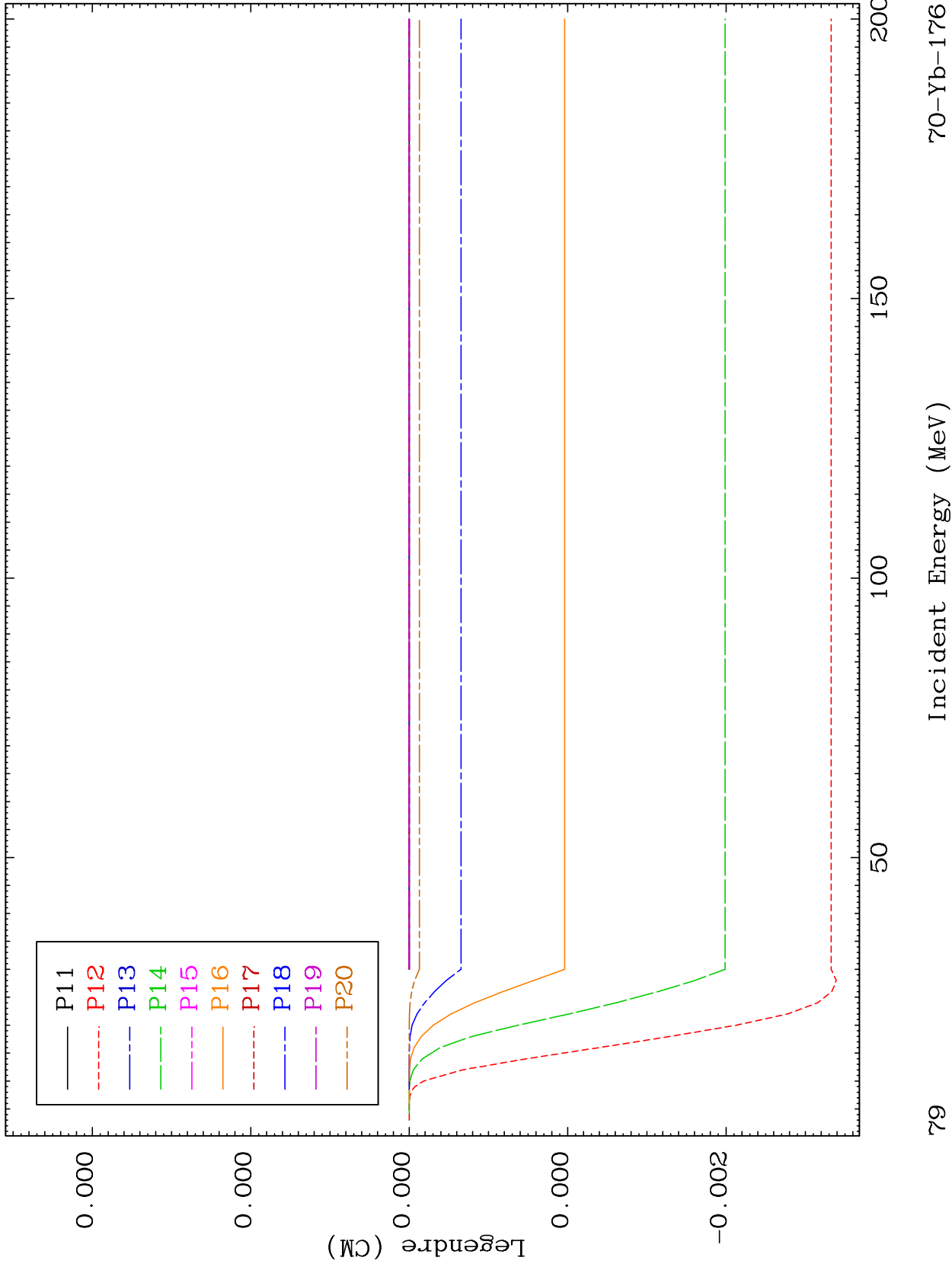


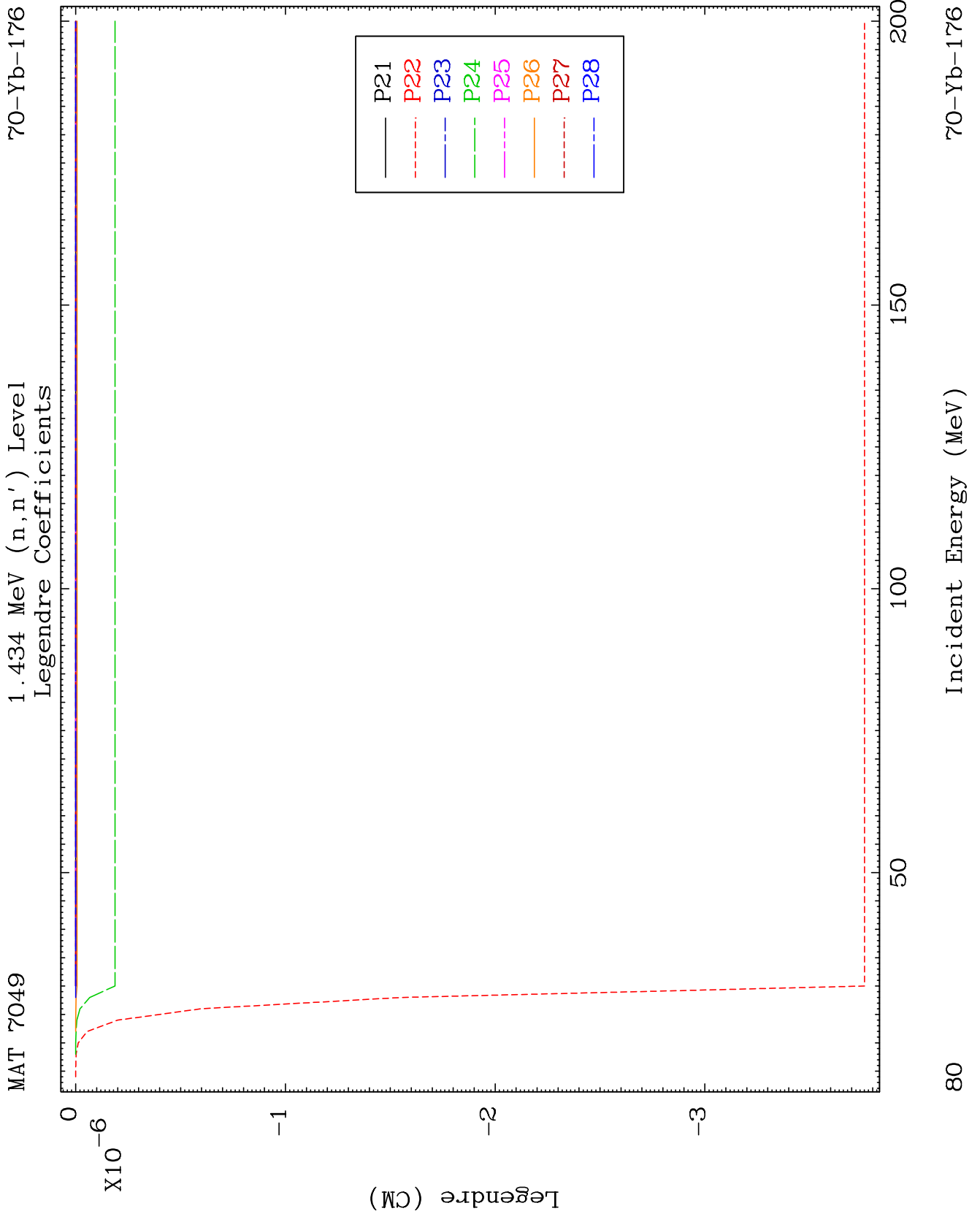
77

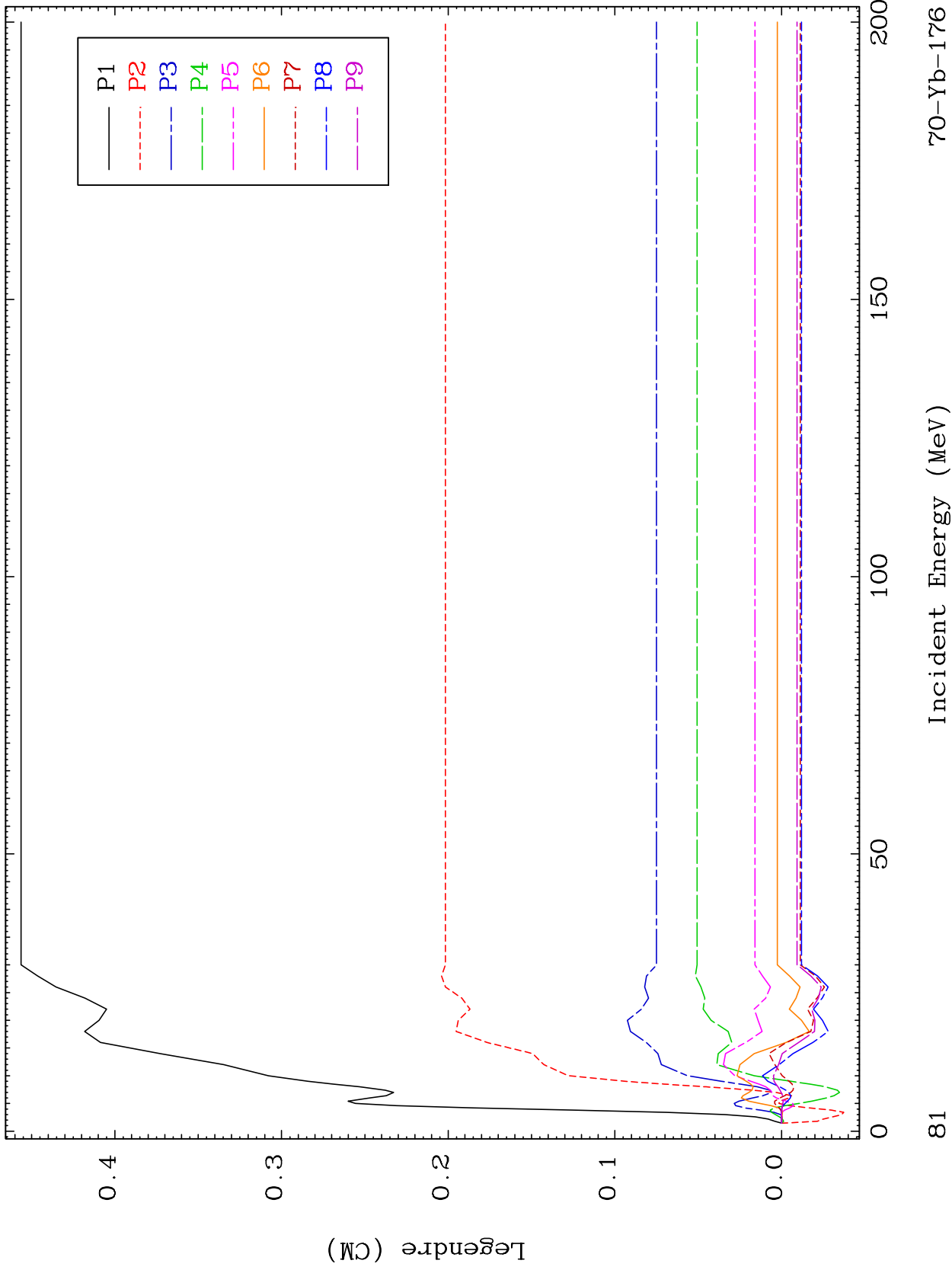
Incident Energy (MeV)

70-Yb-176





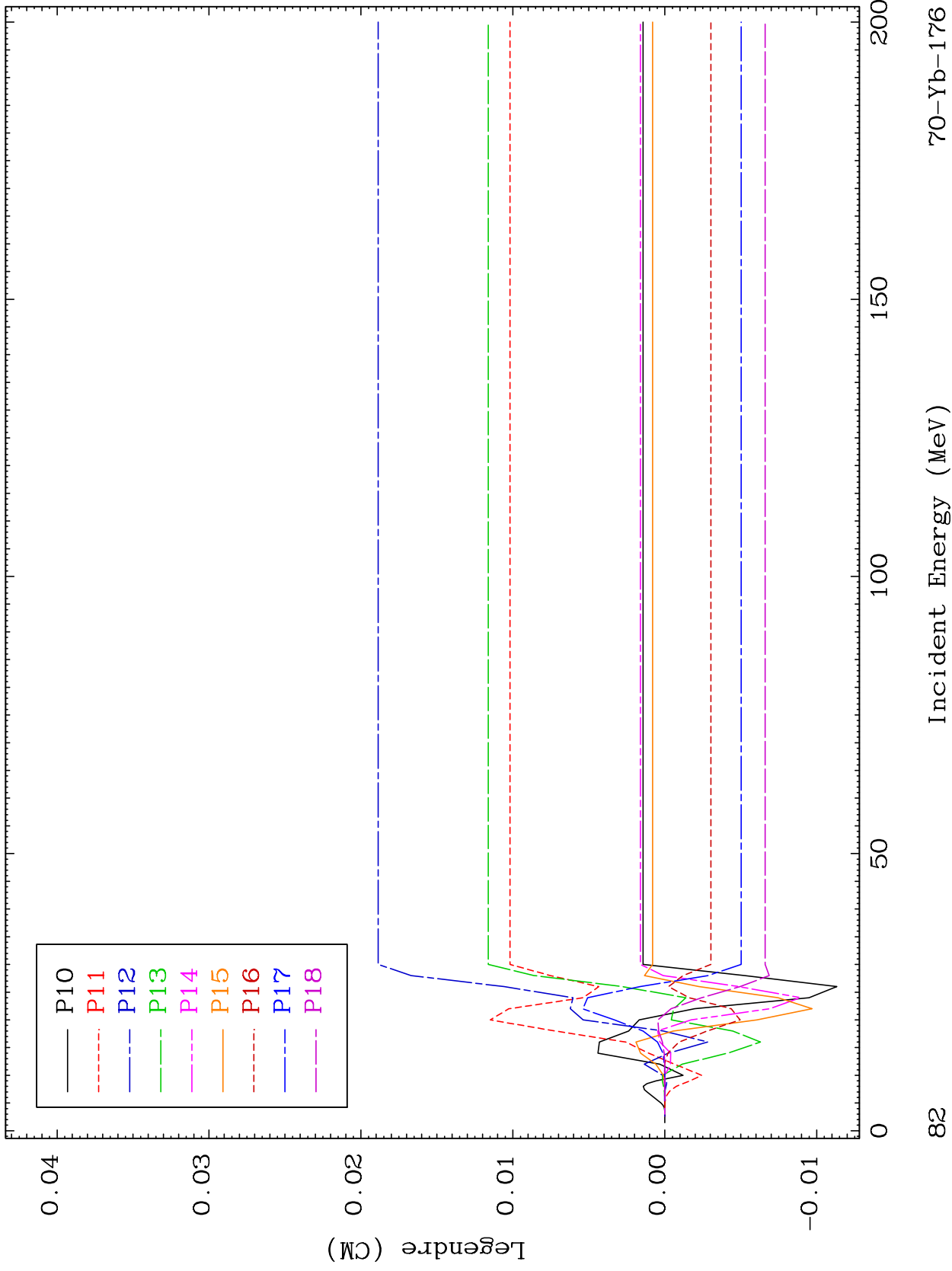




MAT 7049

1.435 MeV (n,n') Level
Legendre Coefficients

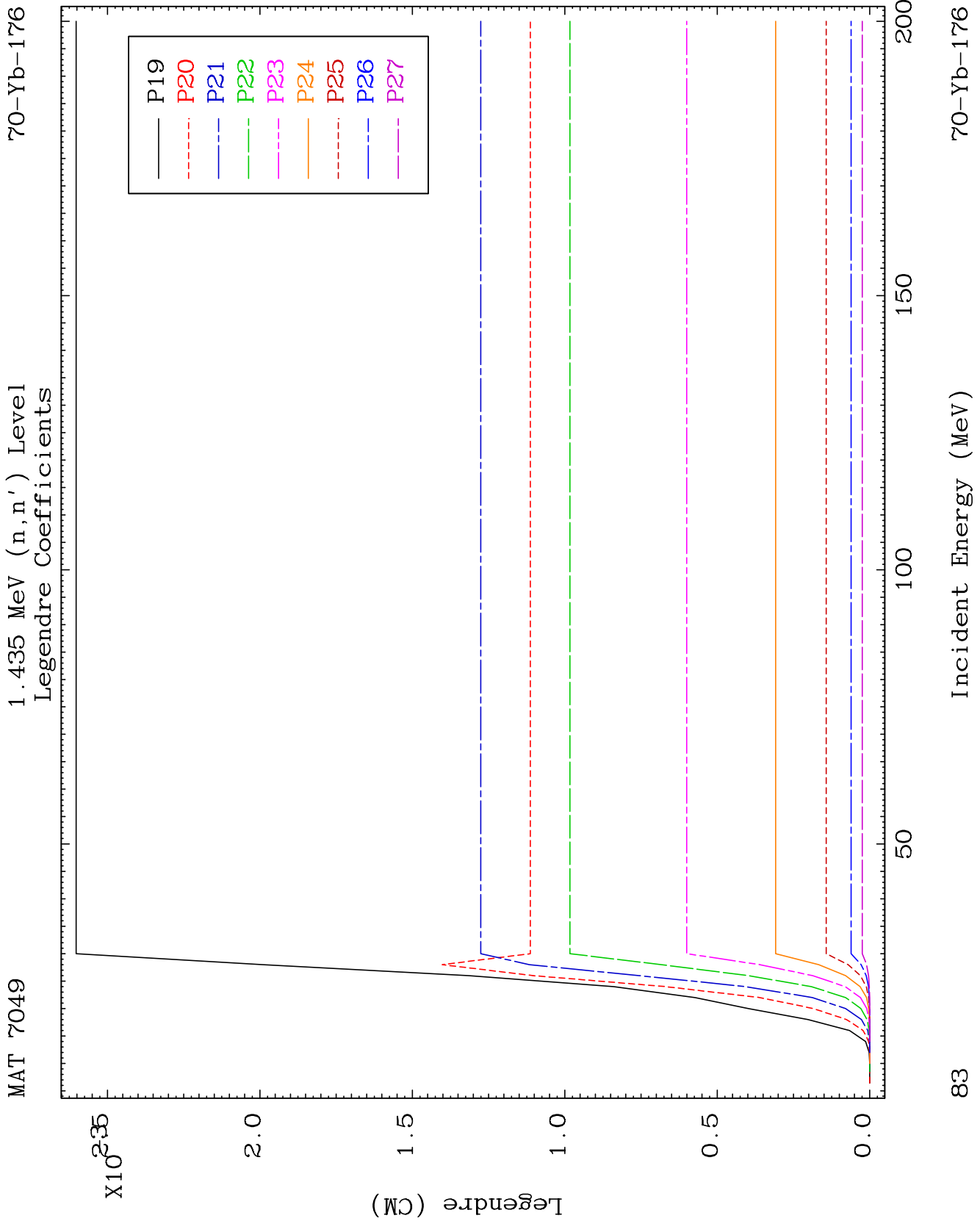
70-Yb-176



82

Incident Energy (MeV)

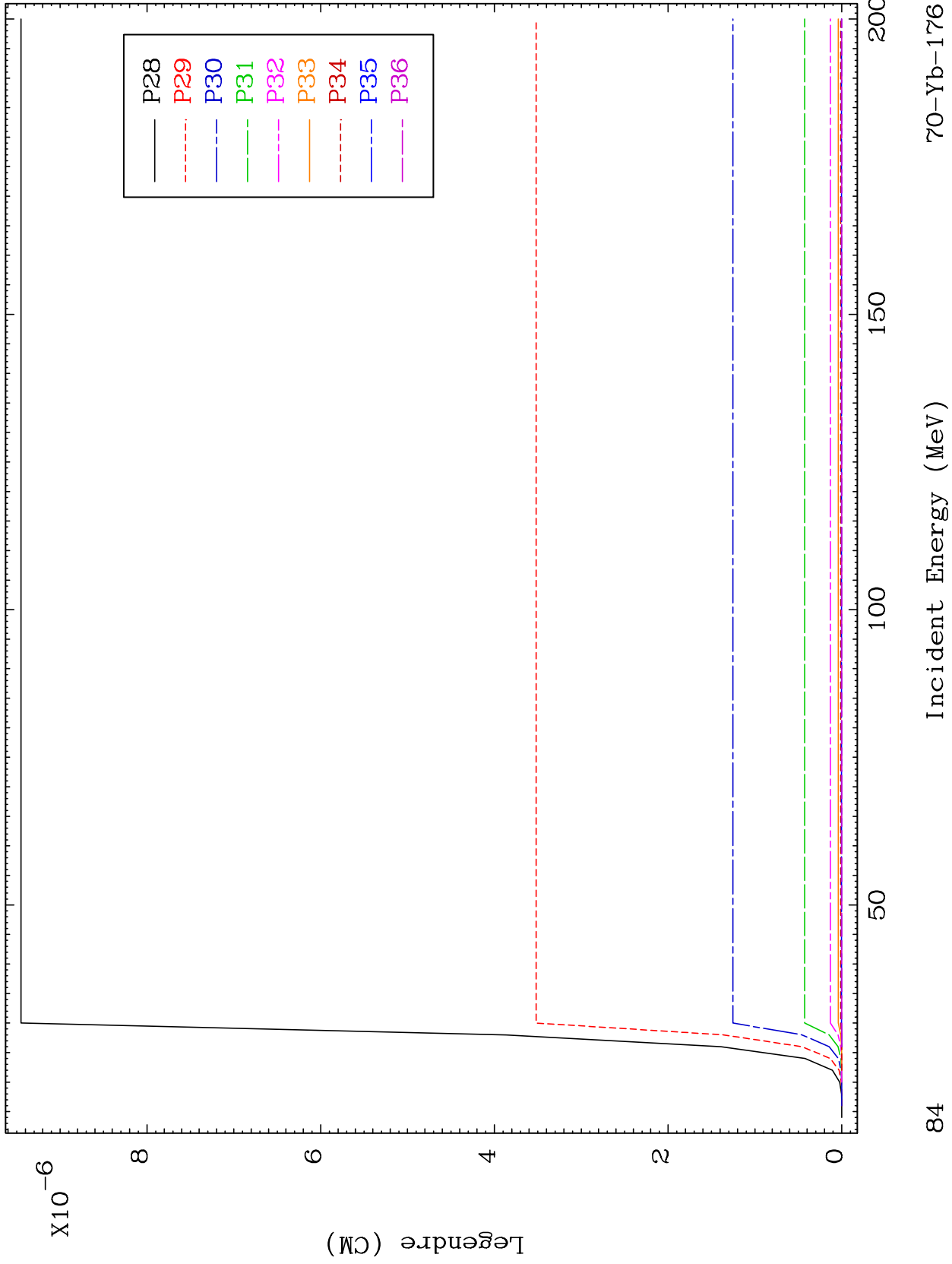
70-Yb-176



MAT 7049

1.435 MeV (n,n') Level
Legendre Coefficients

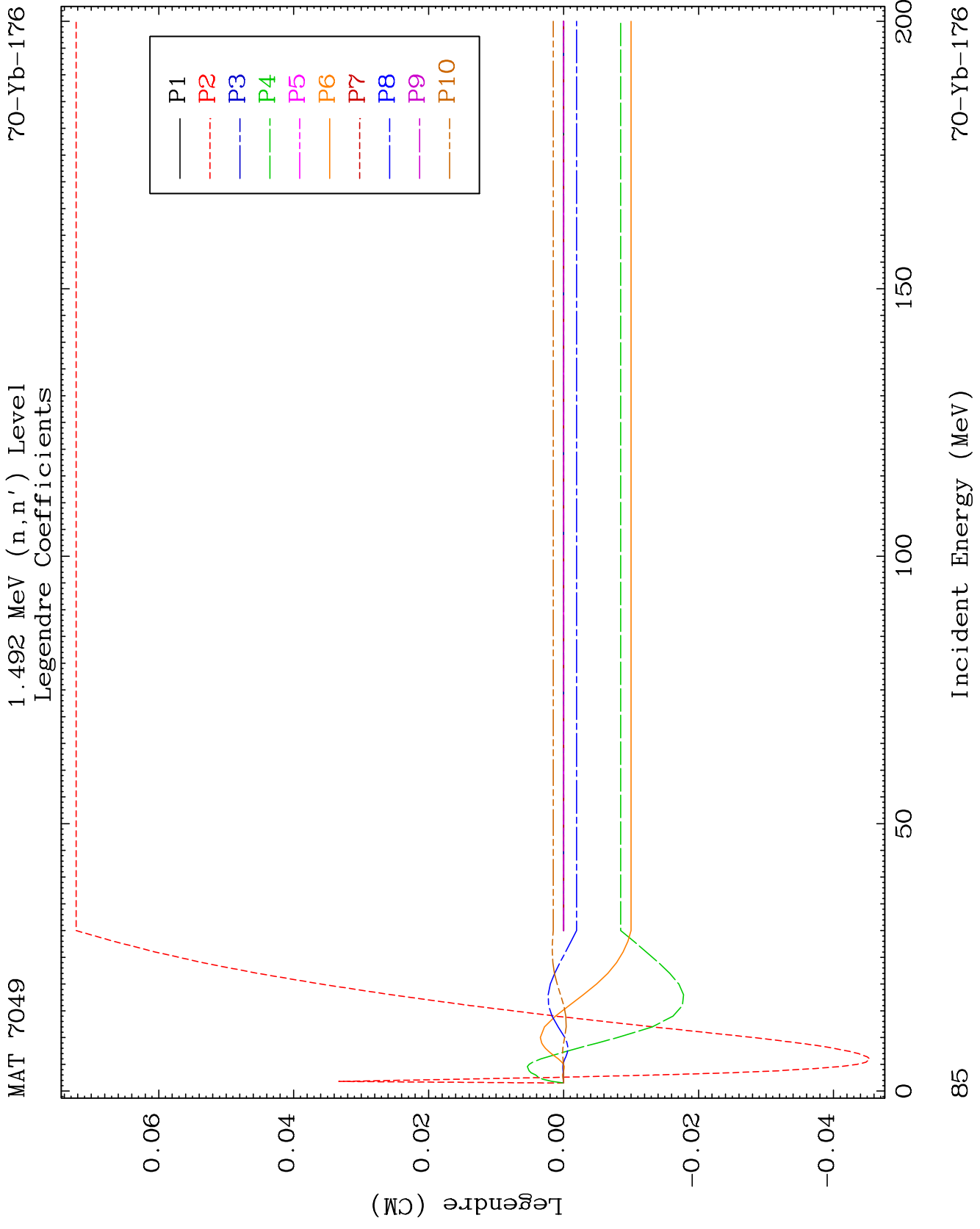
70-Yb-176

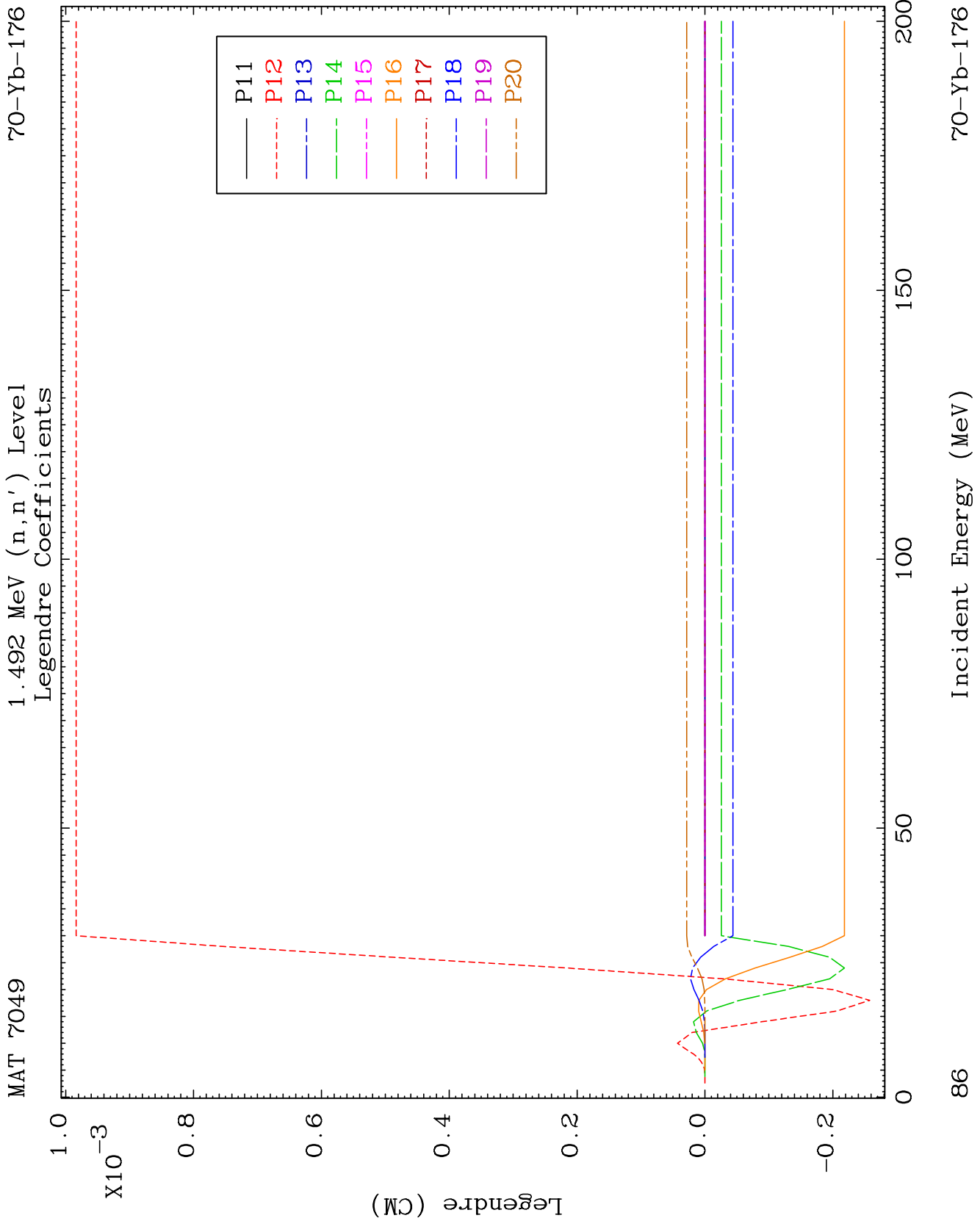


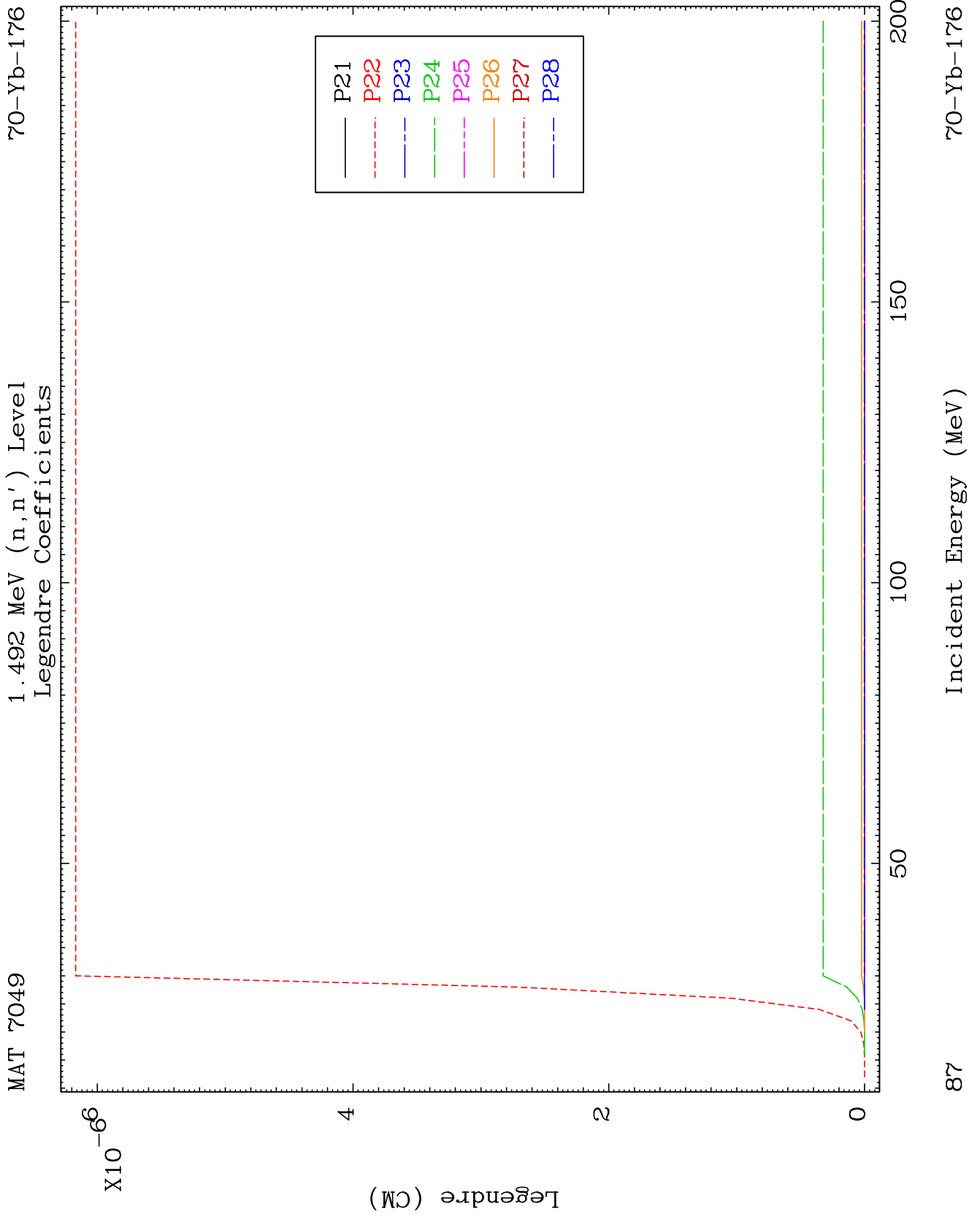
84

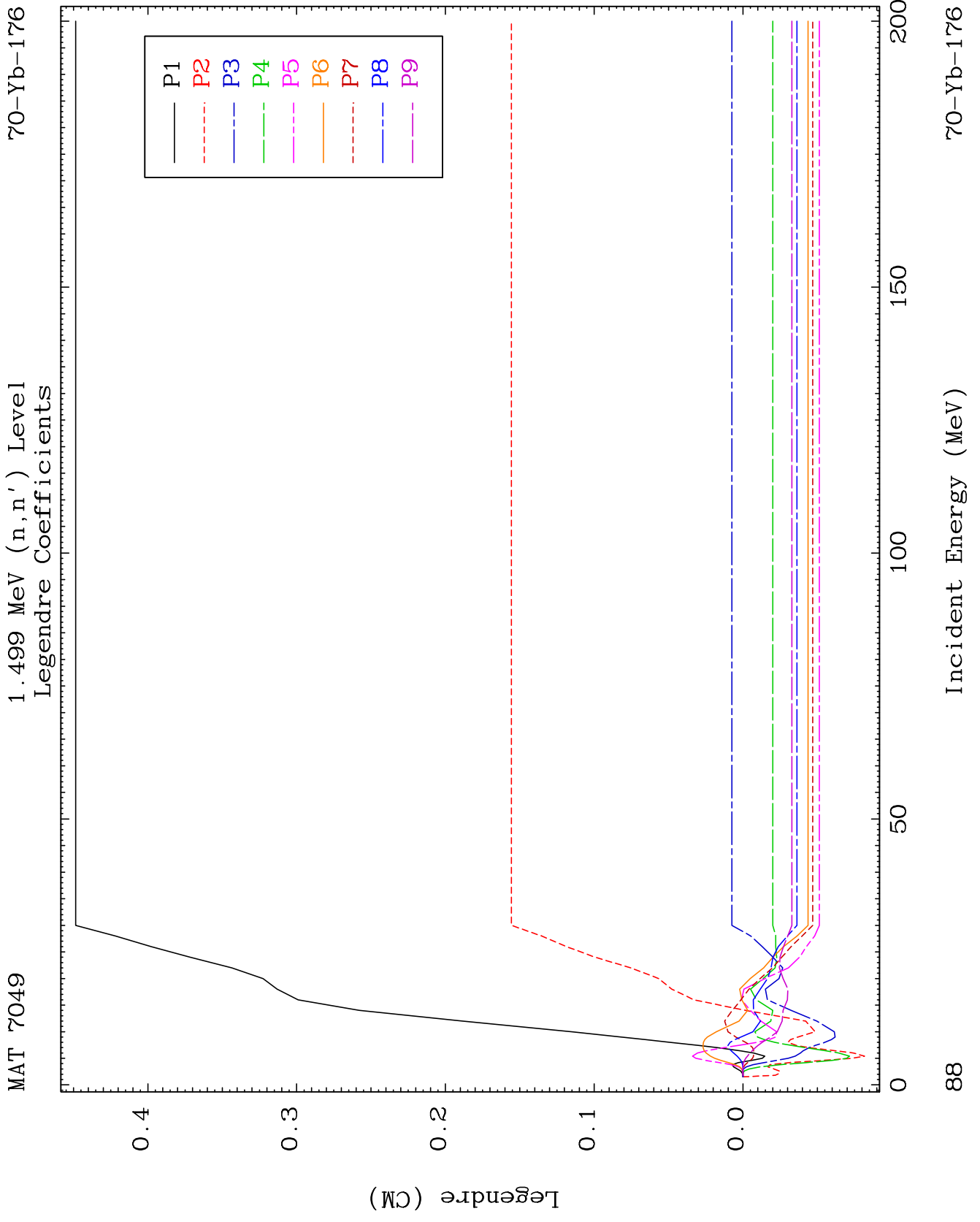
Incident Energy (MeV)

70-Yb-176





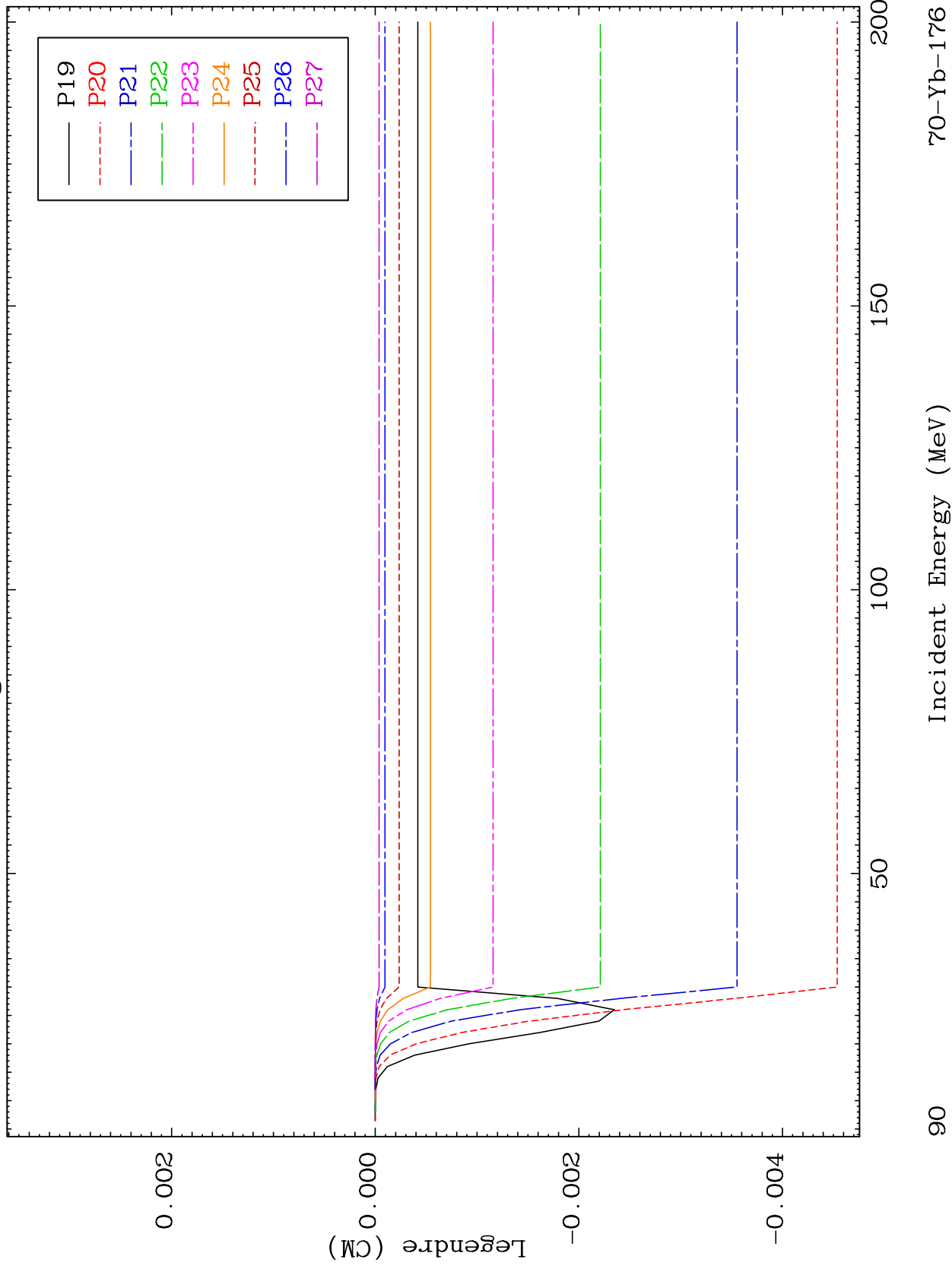


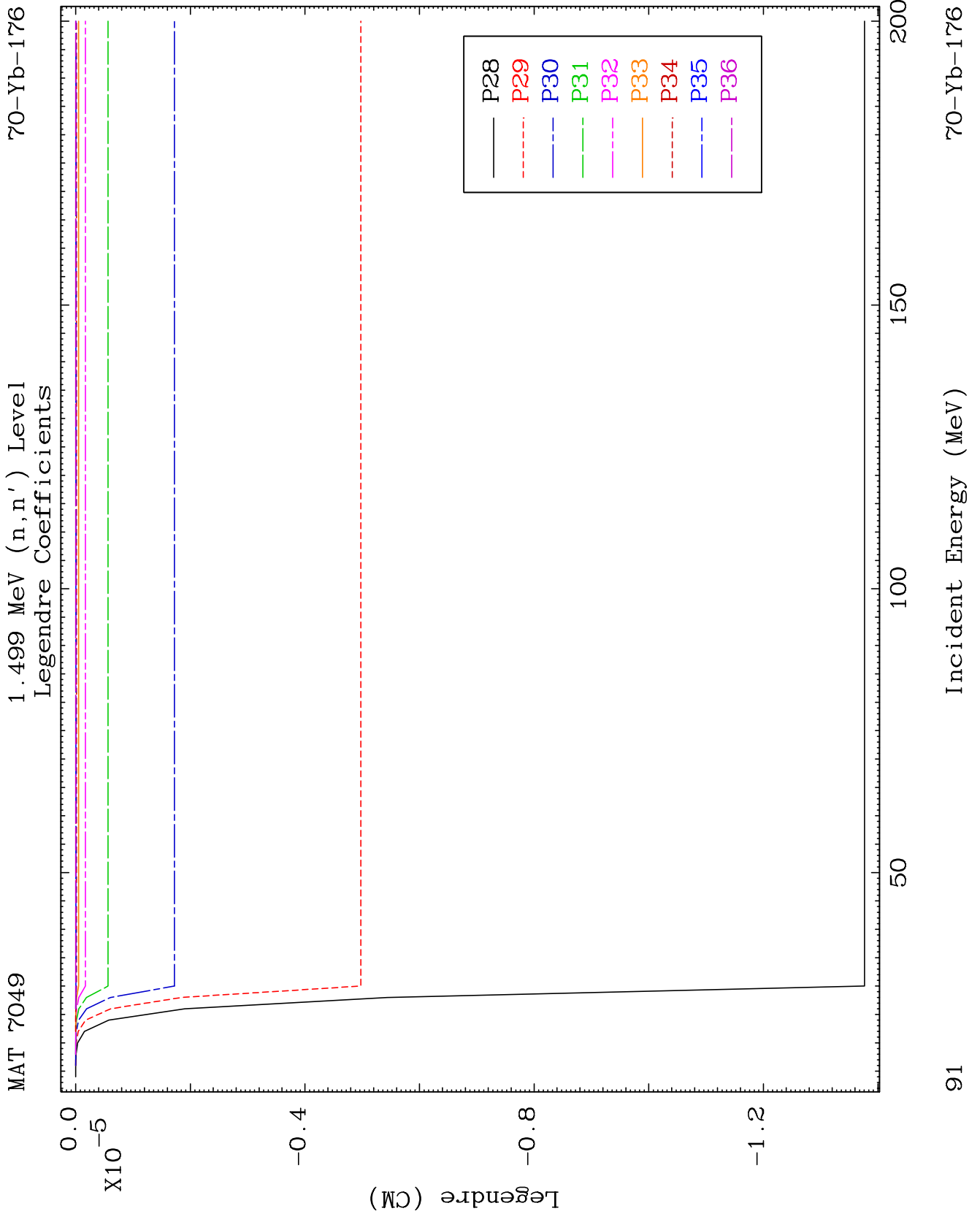


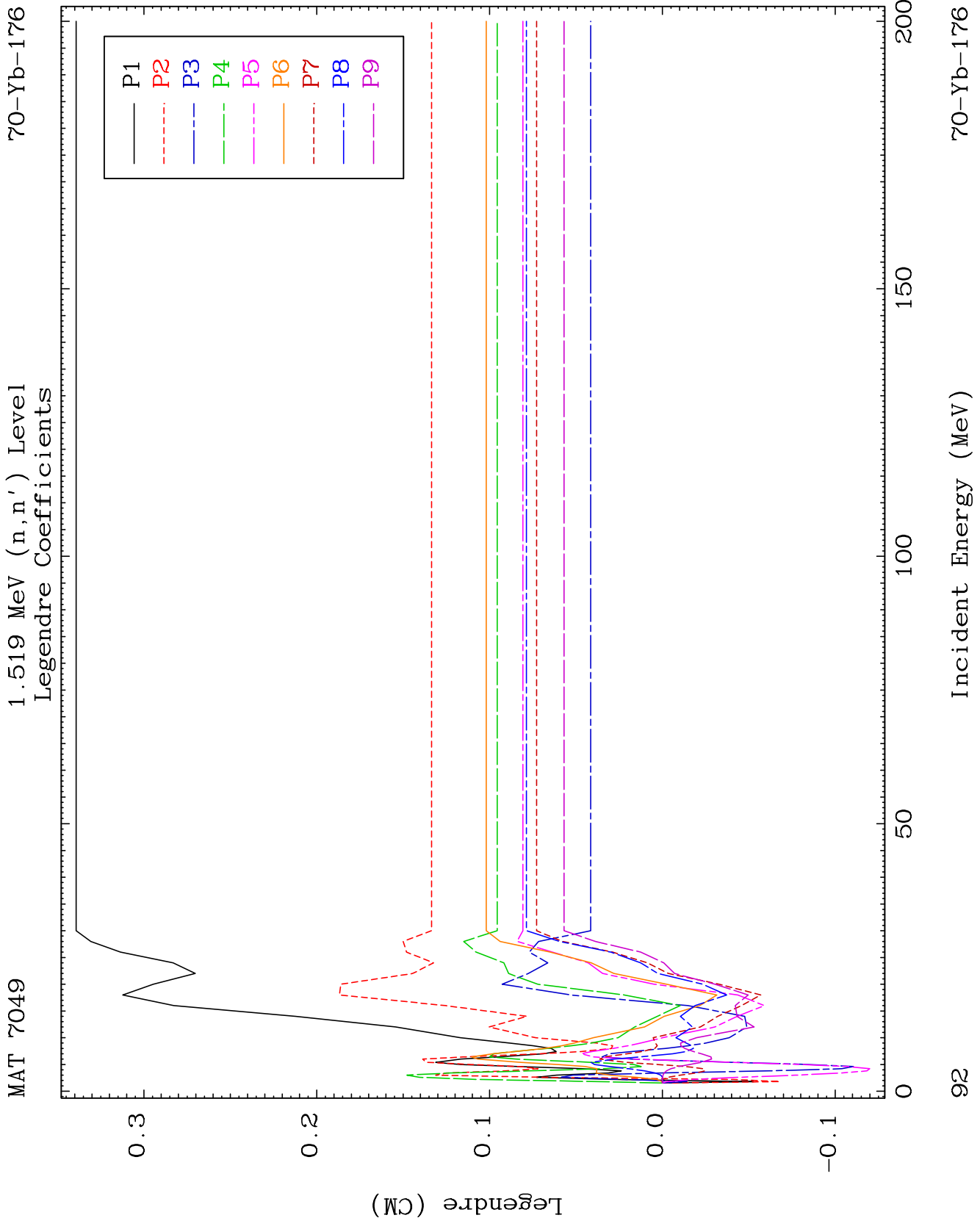
MAT 7049

1.499 MeV (n,n') Level
Legendre Coefficients

70-Yb-176



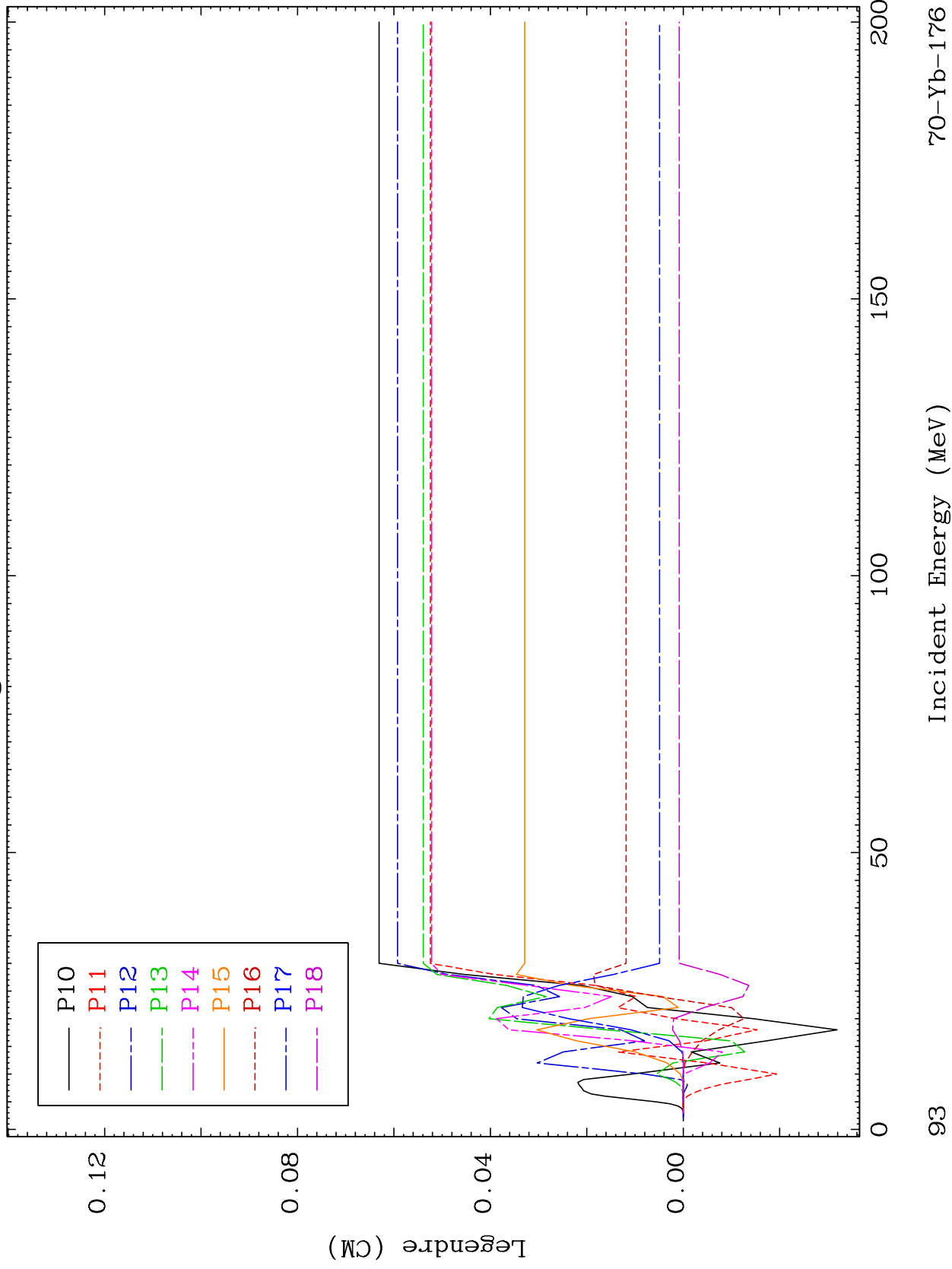




MAT 7049

1.519 MeV (n,n') Level
Legendre Coefficients

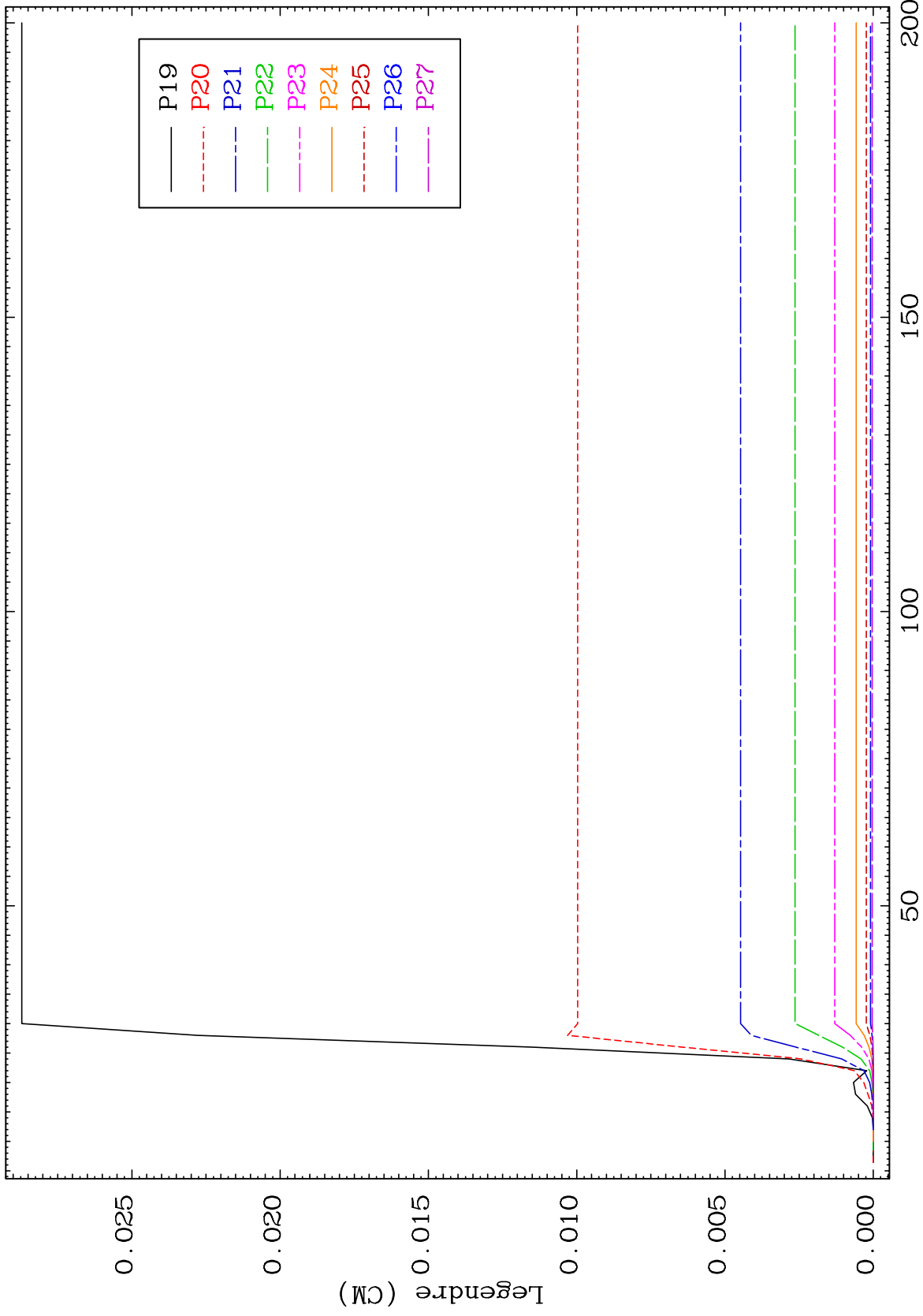
70-Yb-176

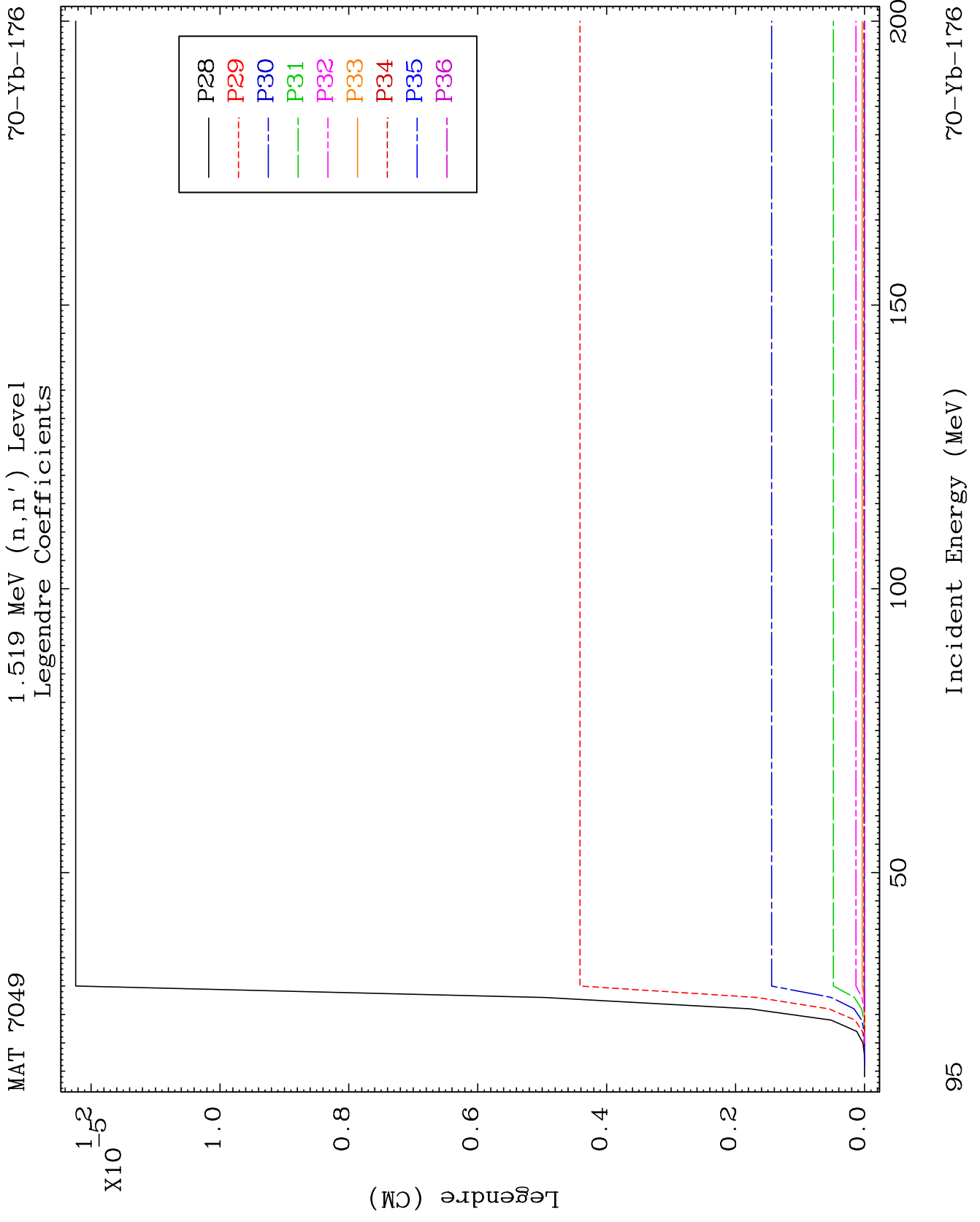


93

Incident Energy (MeV)

70-Yb-176

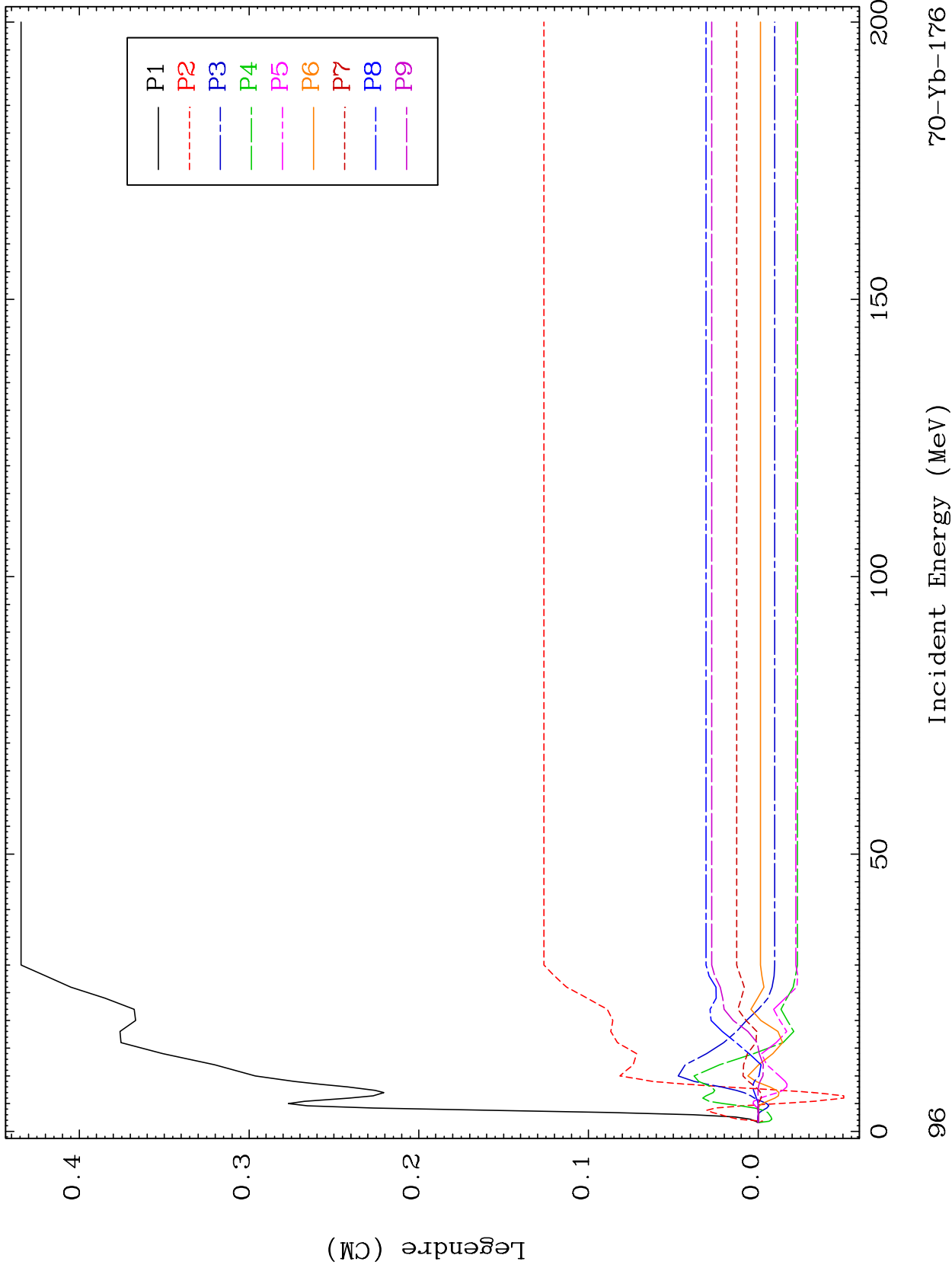




MAT 7049

1.541 MeV (n,n') Level
Legendre Coefficients

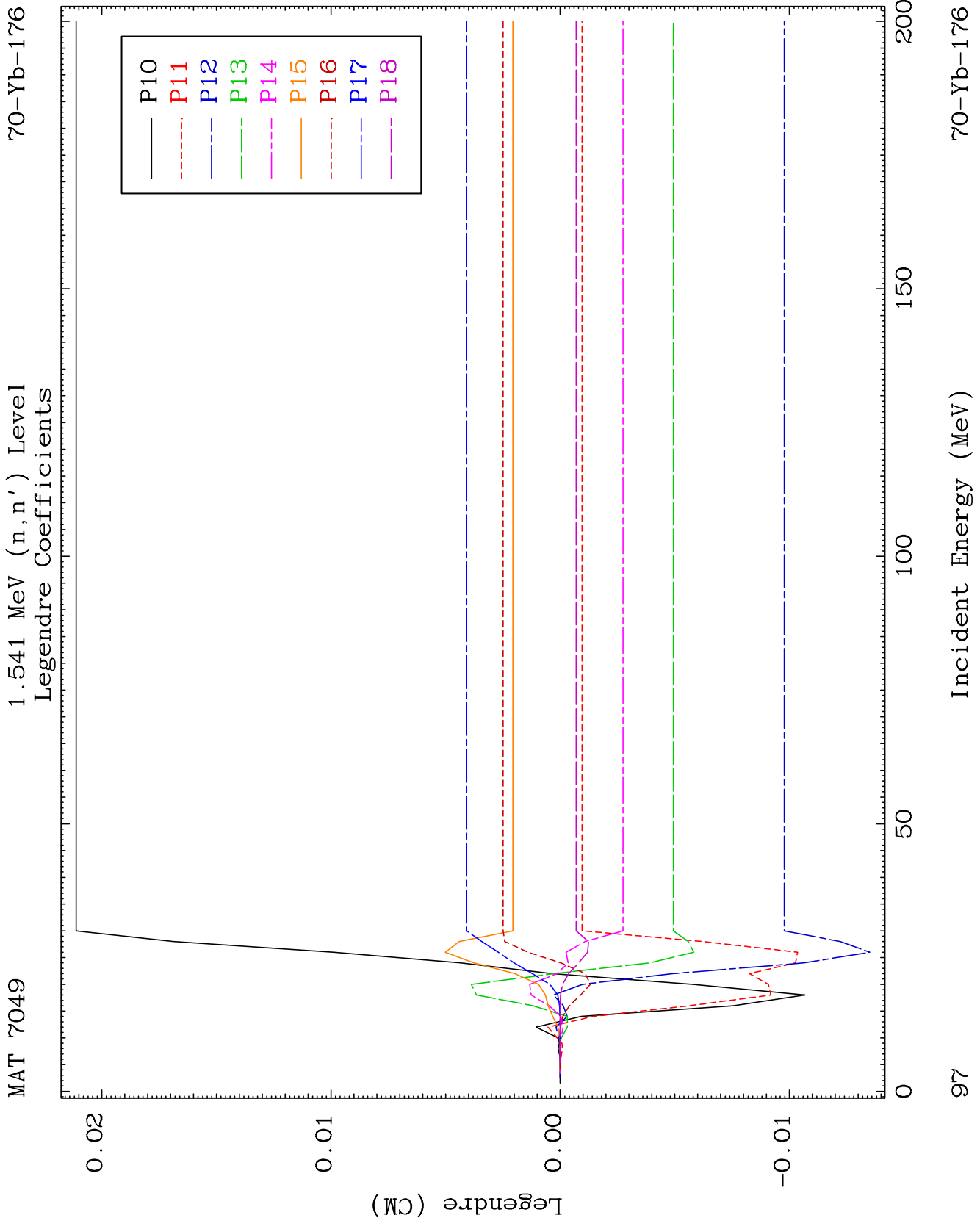
70-Yb-176

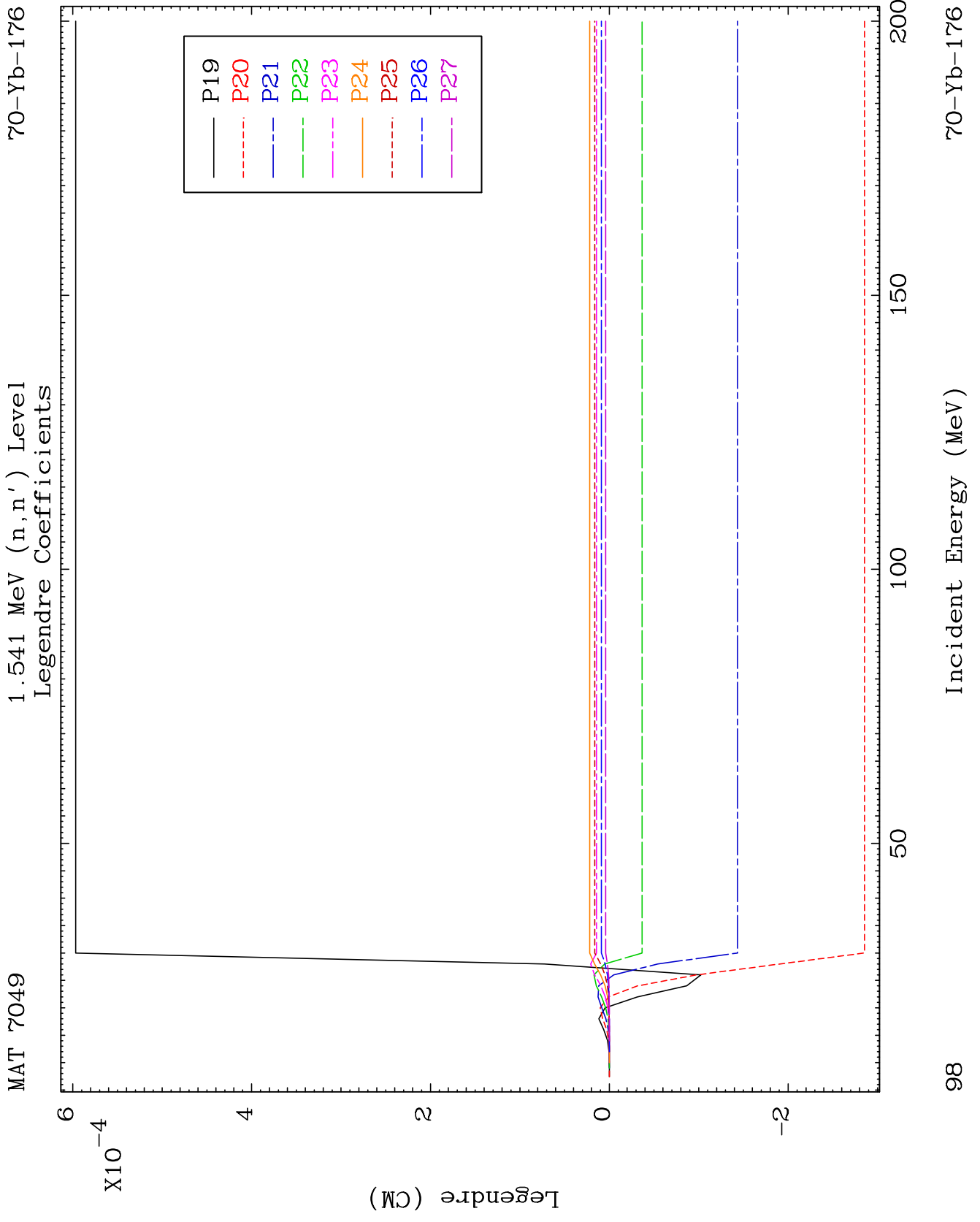


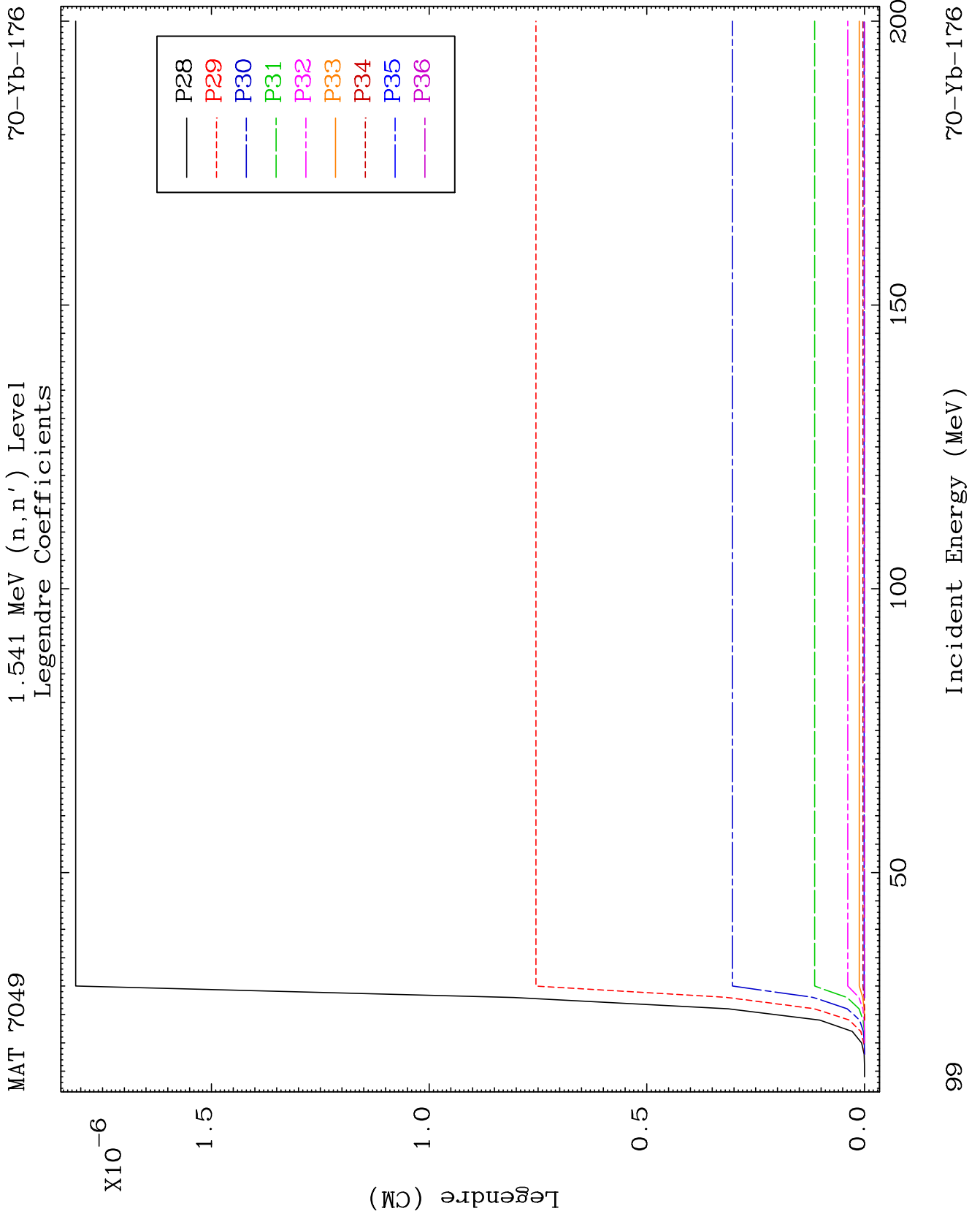
96

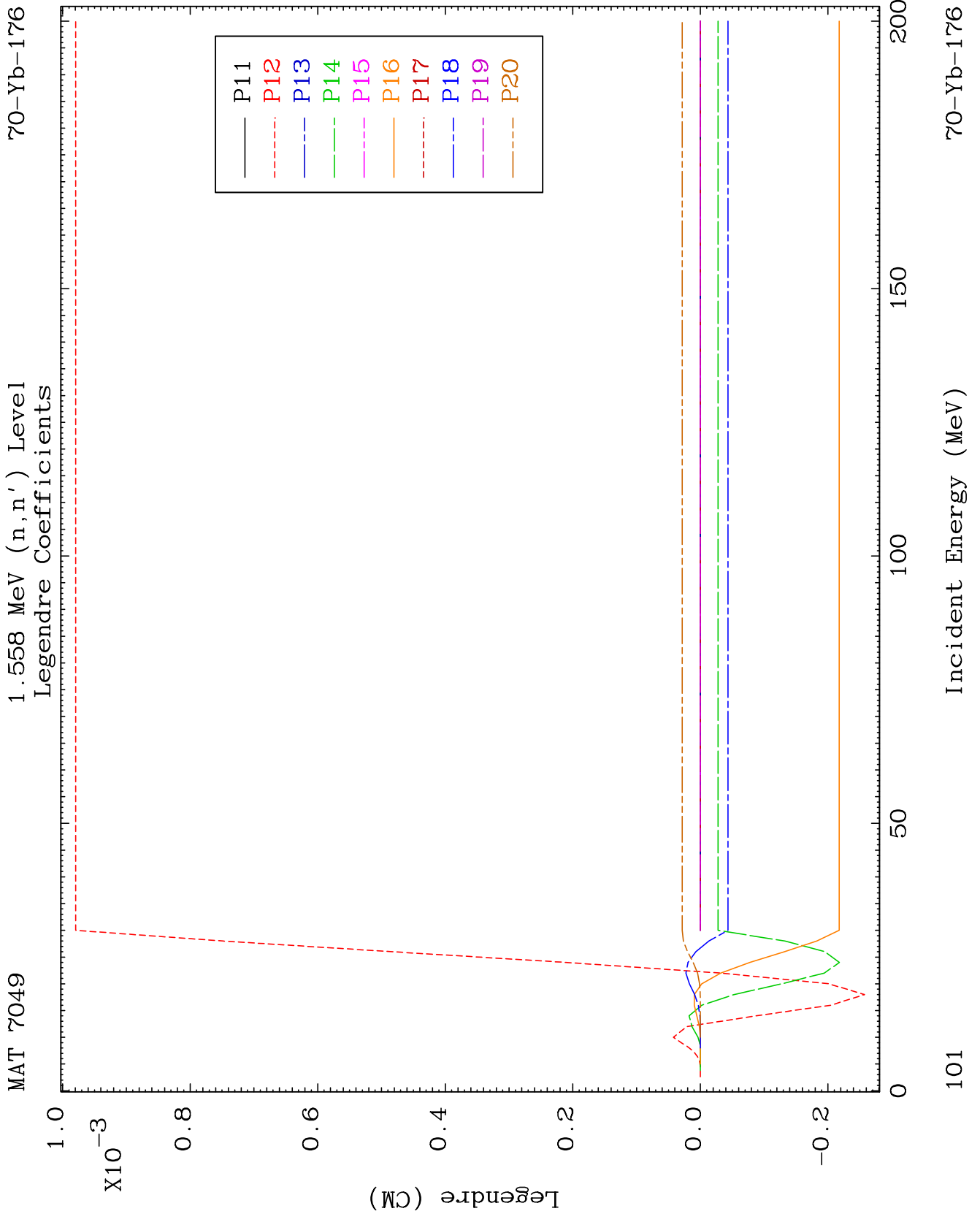
Incident Energy (MeV)

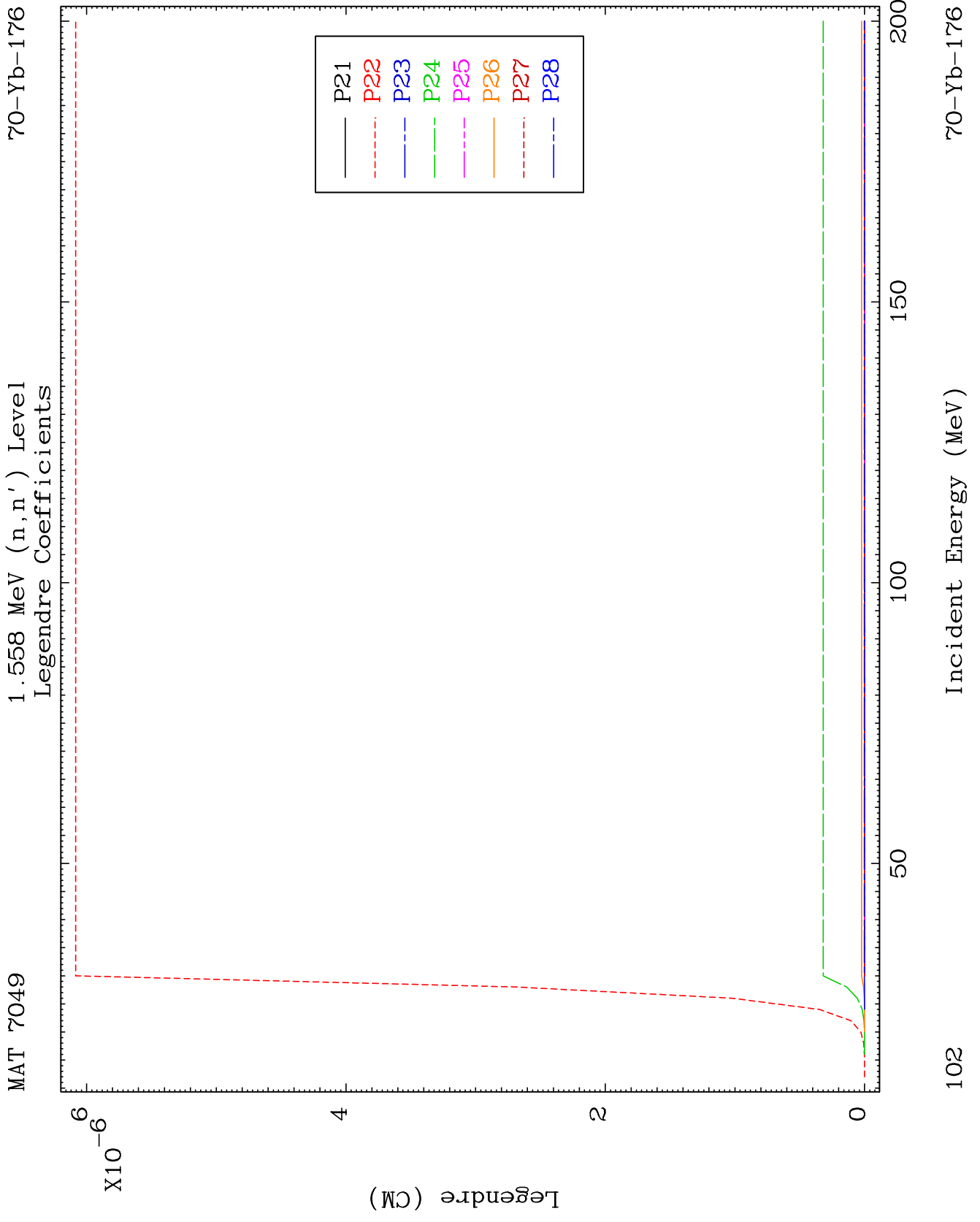
70-Yb-176

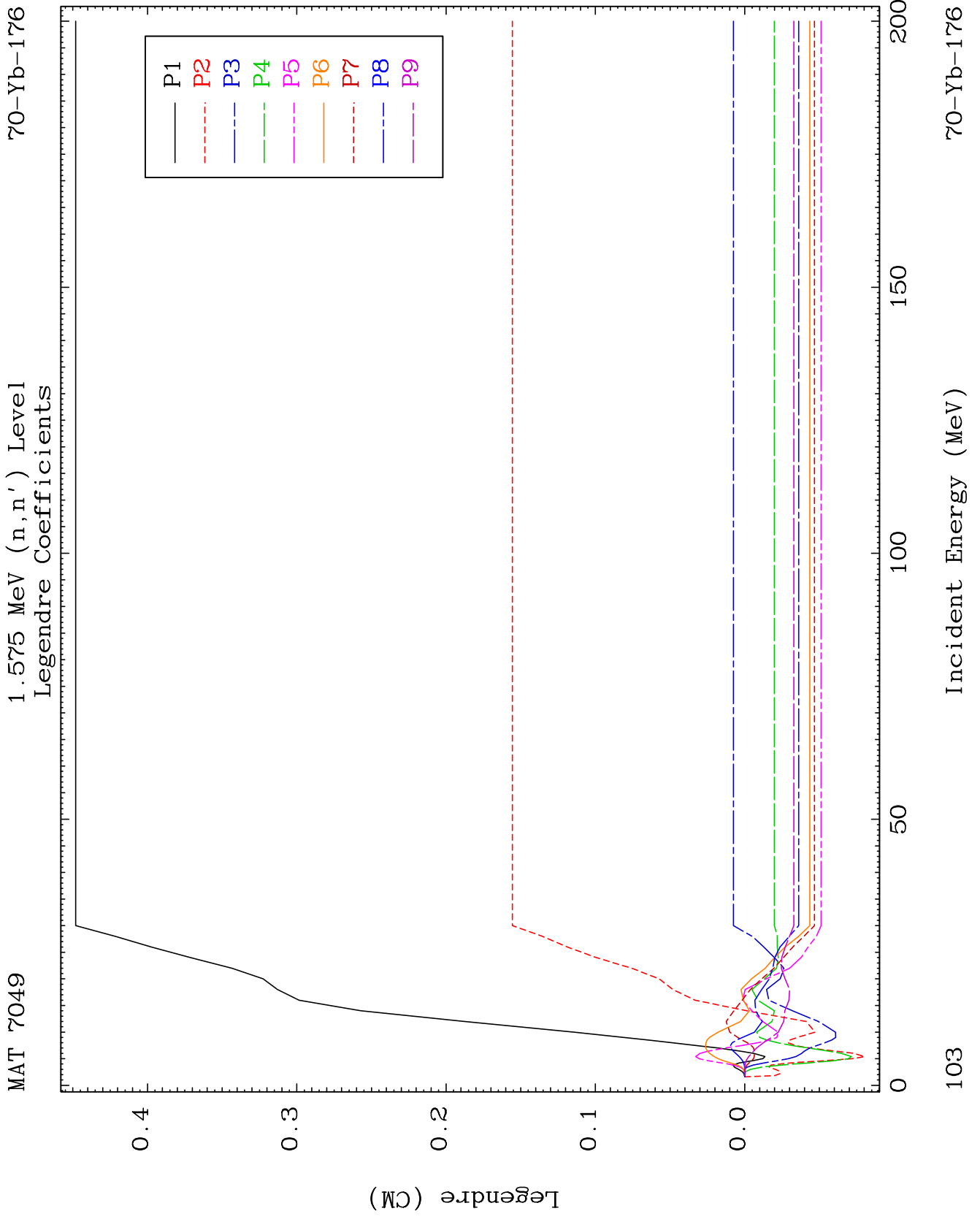








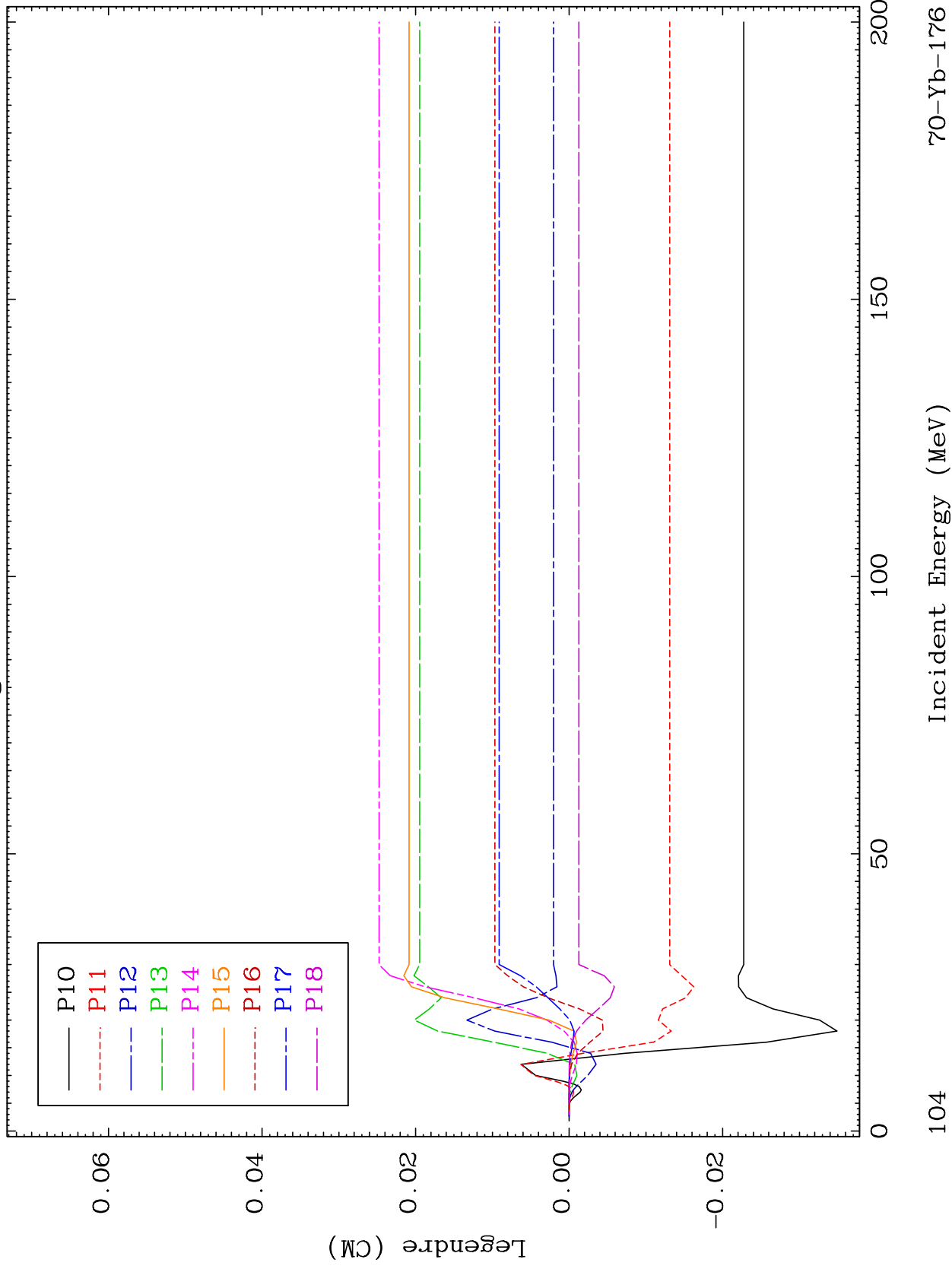




MAT 7049

1.575 MeV (n,n') Level
Legendre Coefficients

70-Yb-176



104

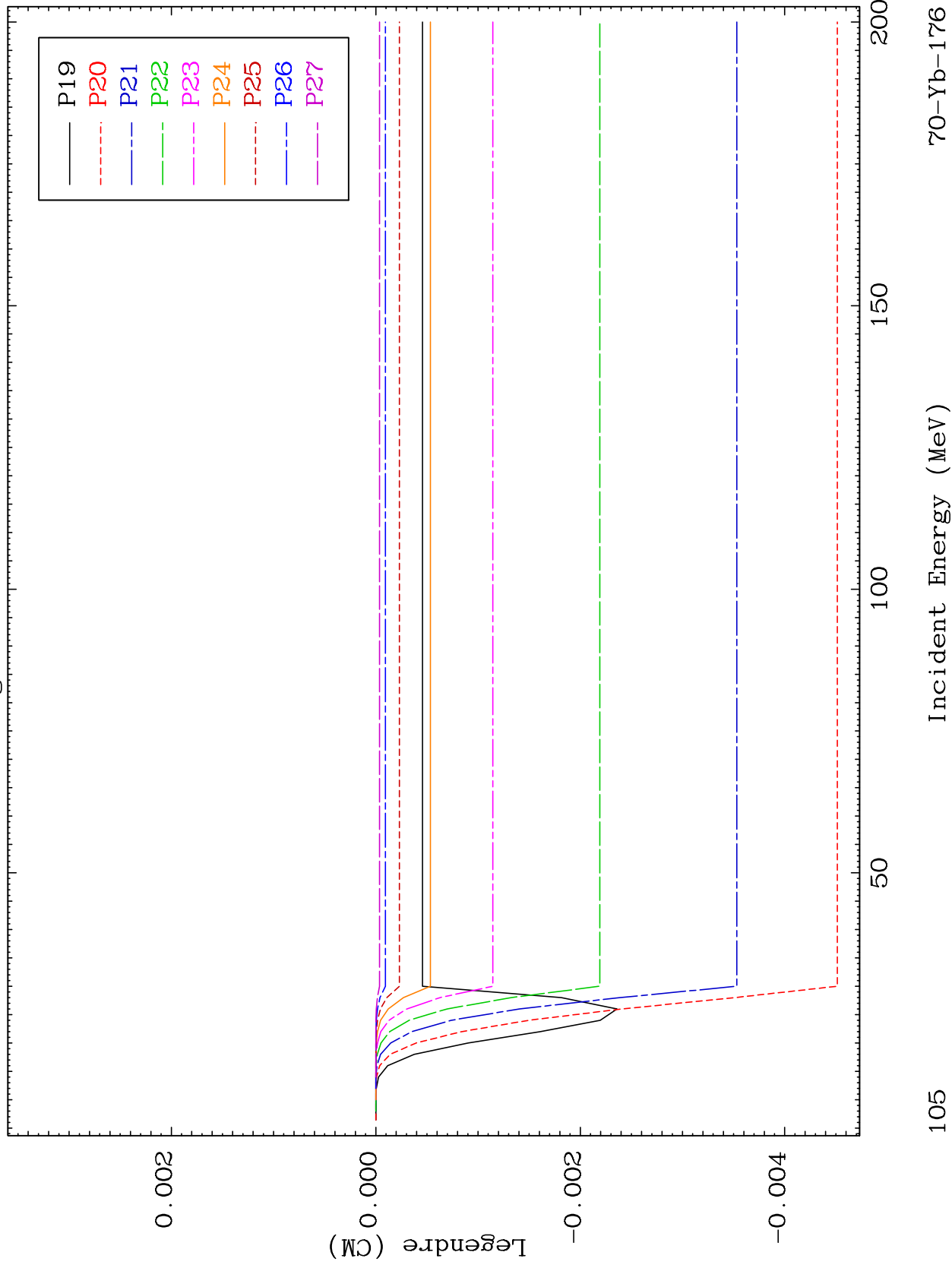
Incident Energy (MeV)

70-Yb-176

MAT 7049

1.575 MeV (n,n') Level
Legendre Coefficients

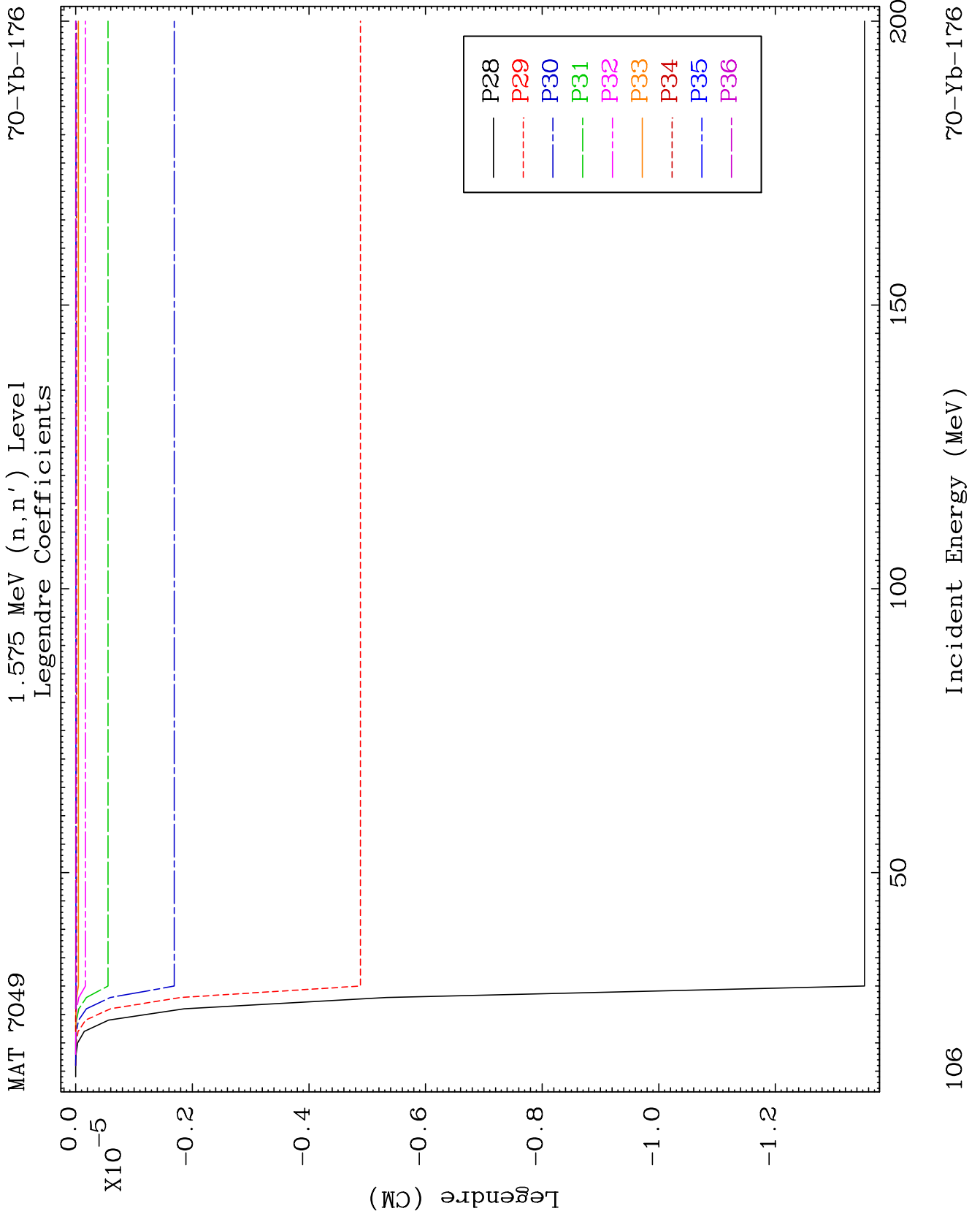
70-Yb-176

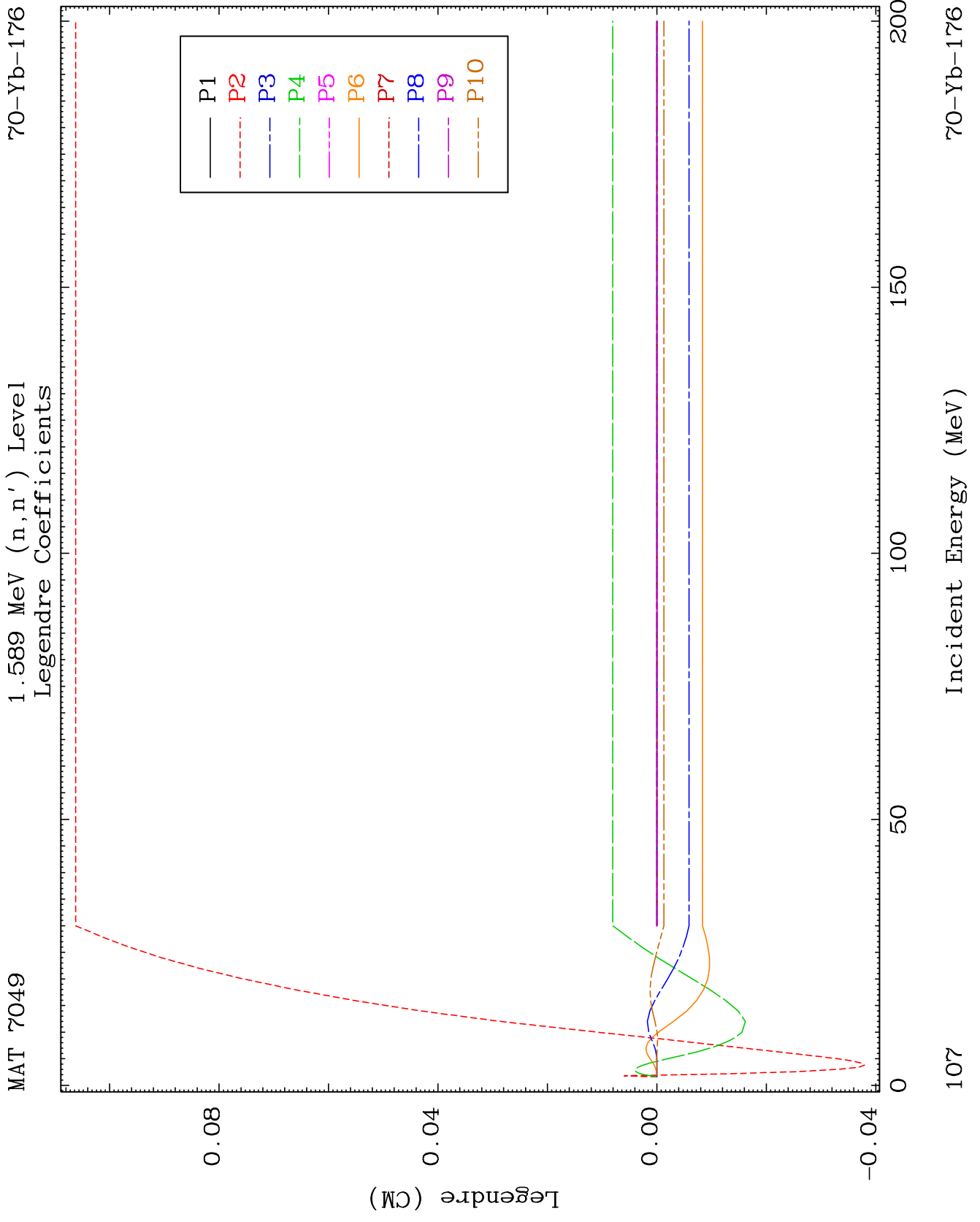


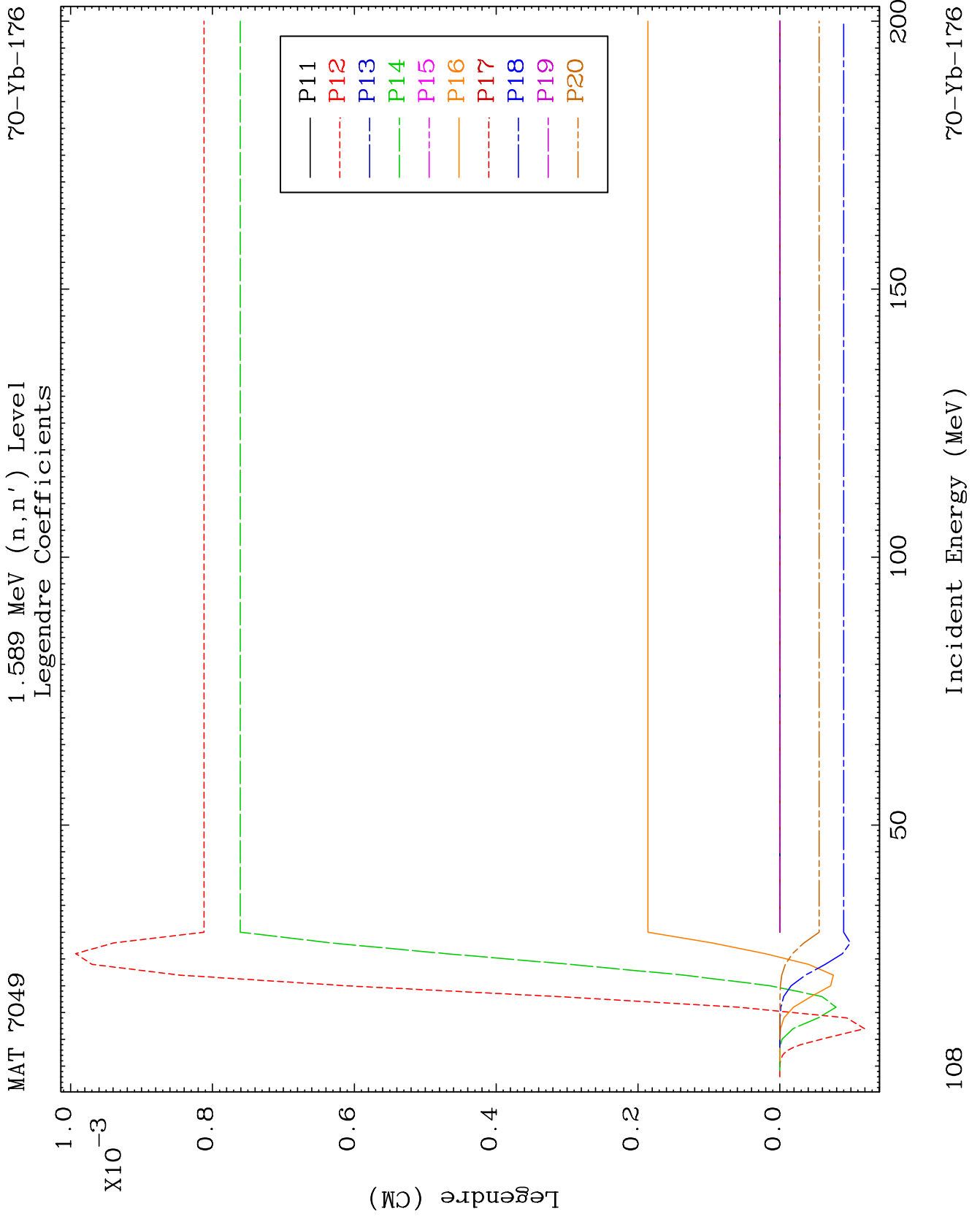
105

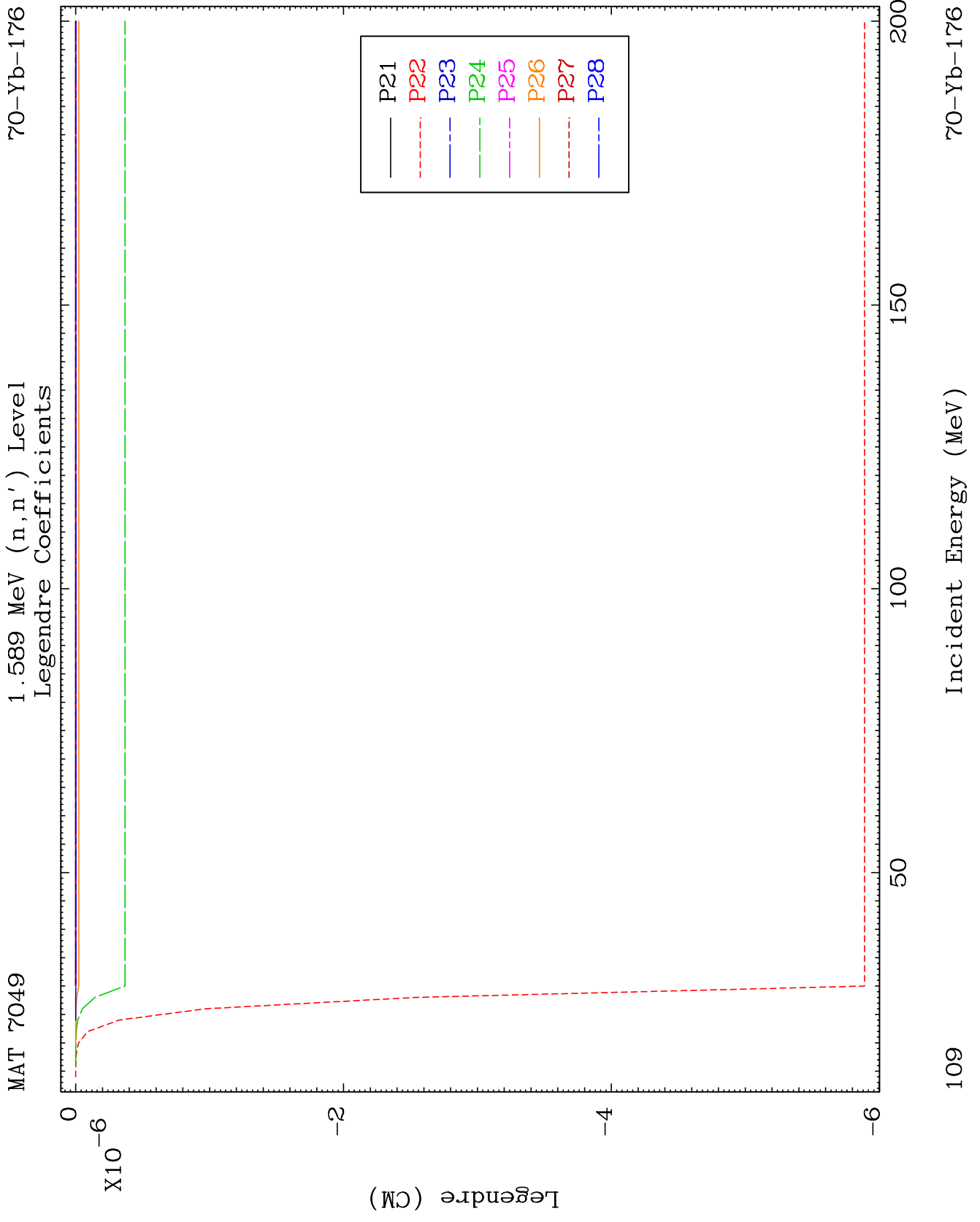
Incident Energy (MeV)

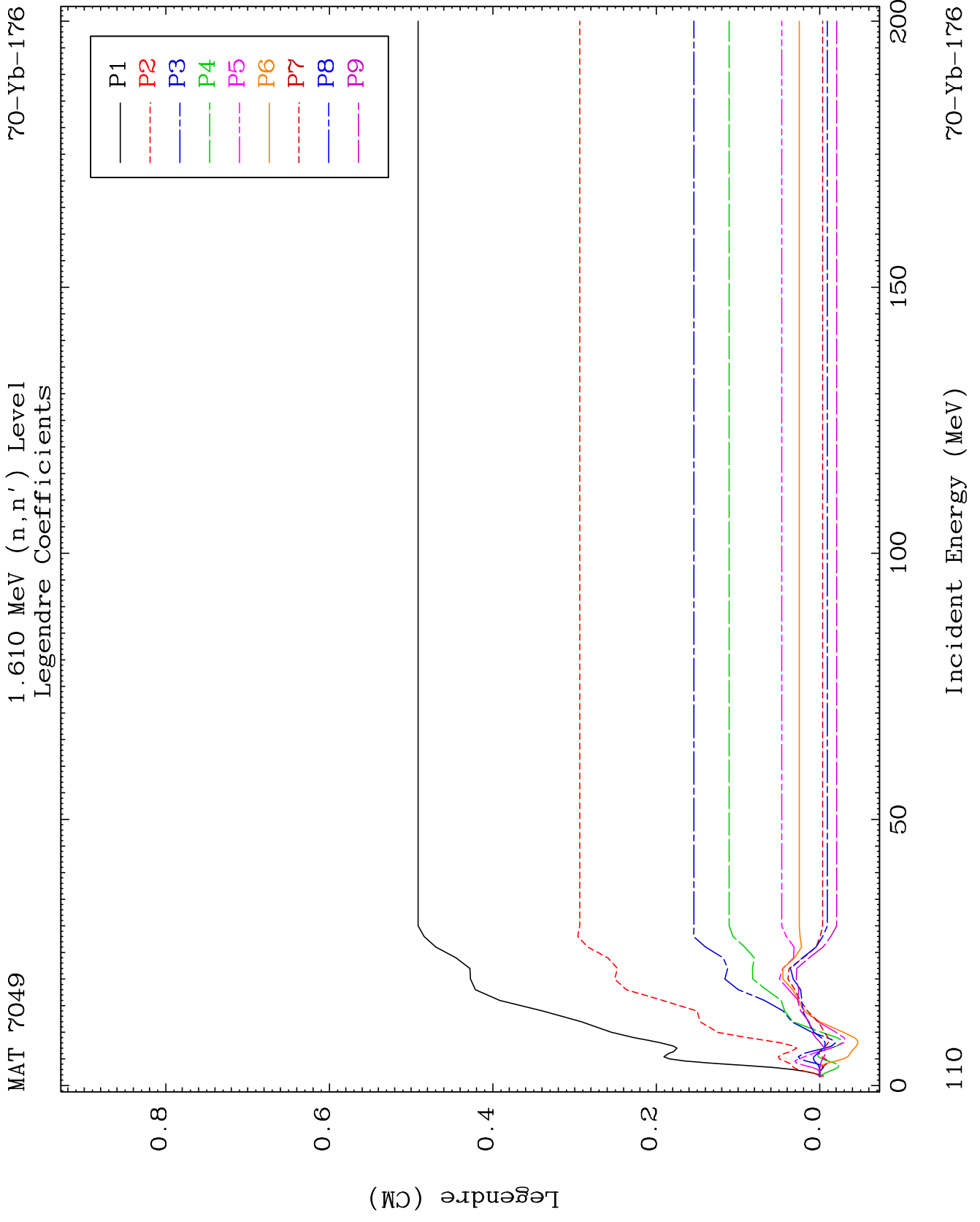
70-Yb-176

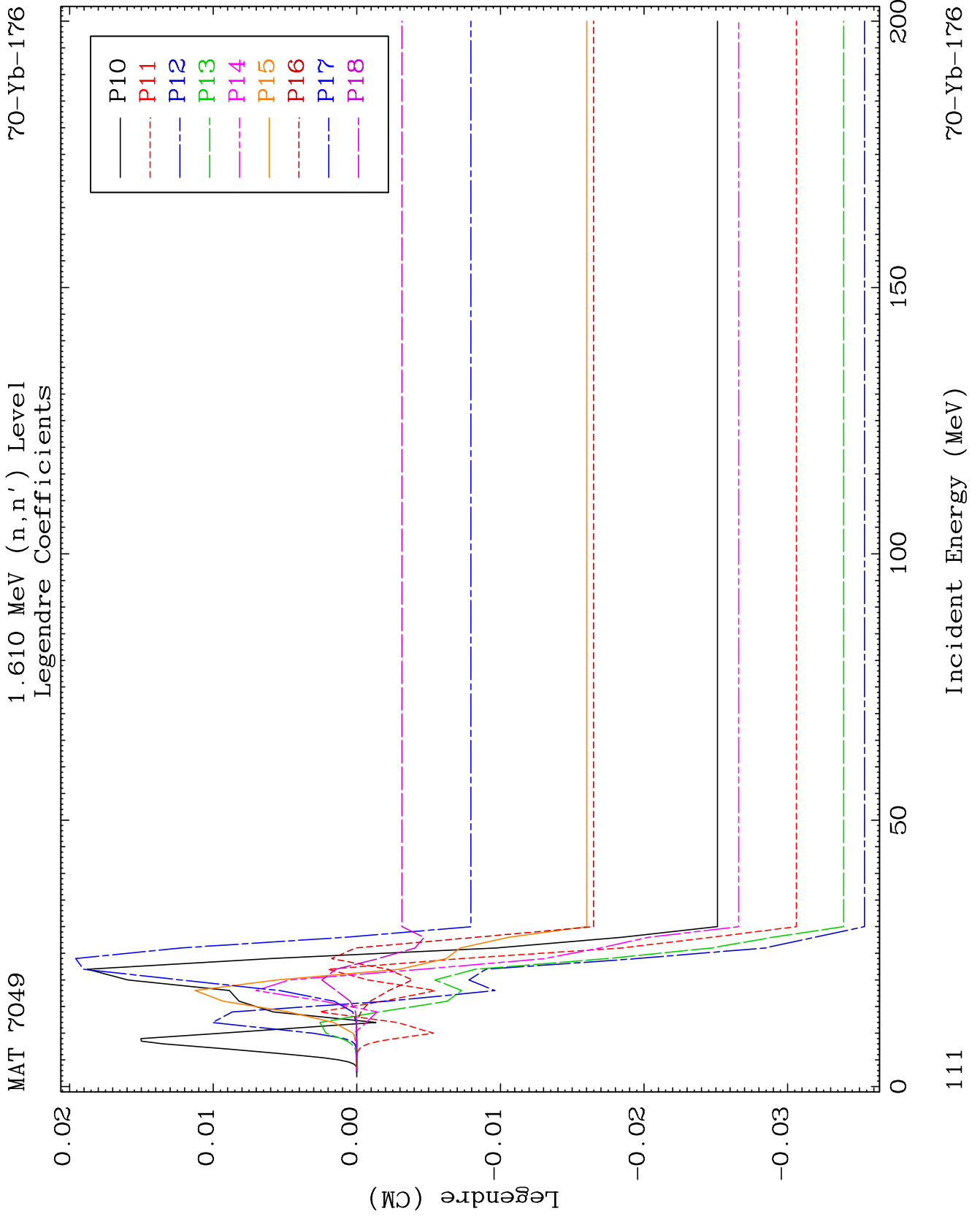


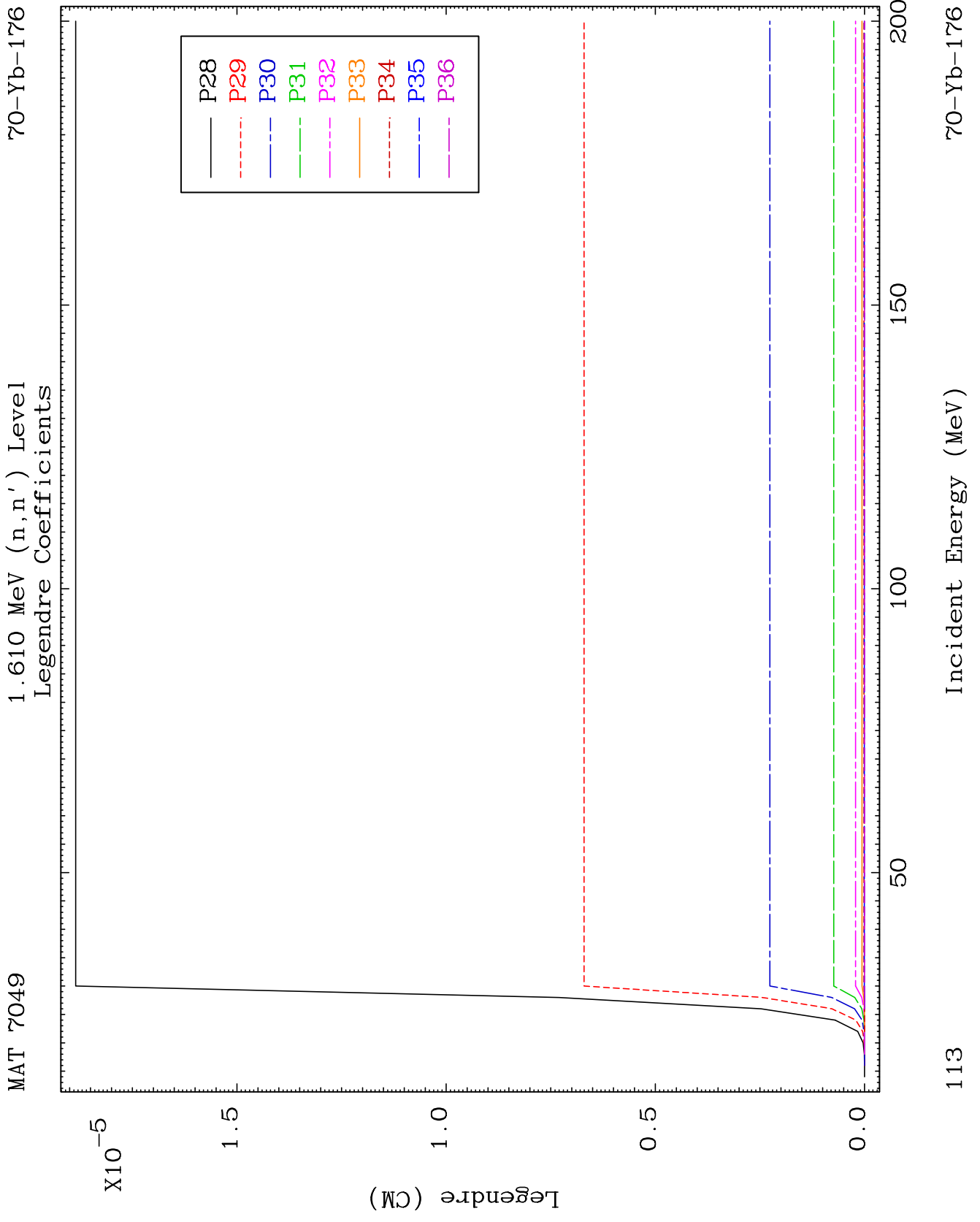


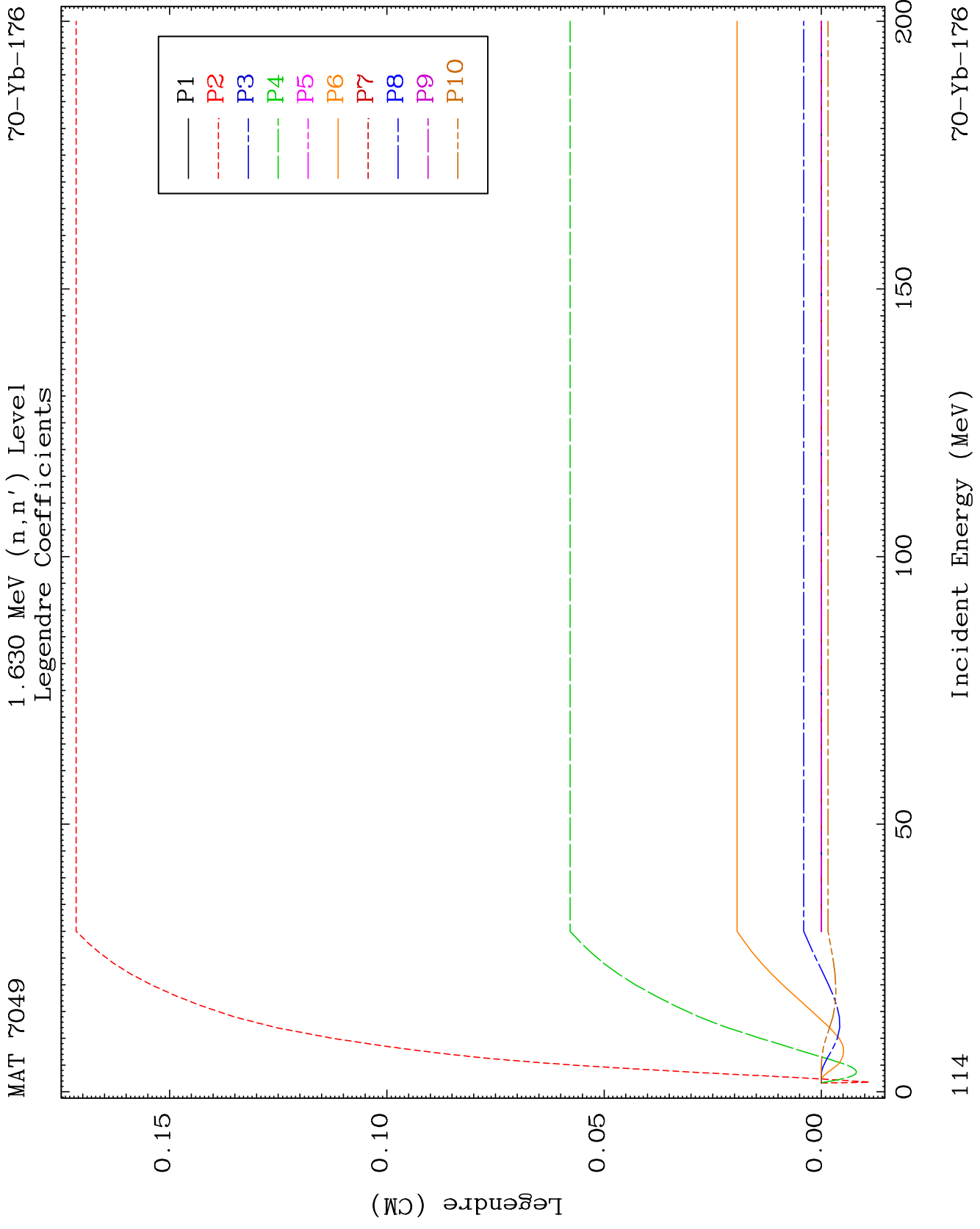








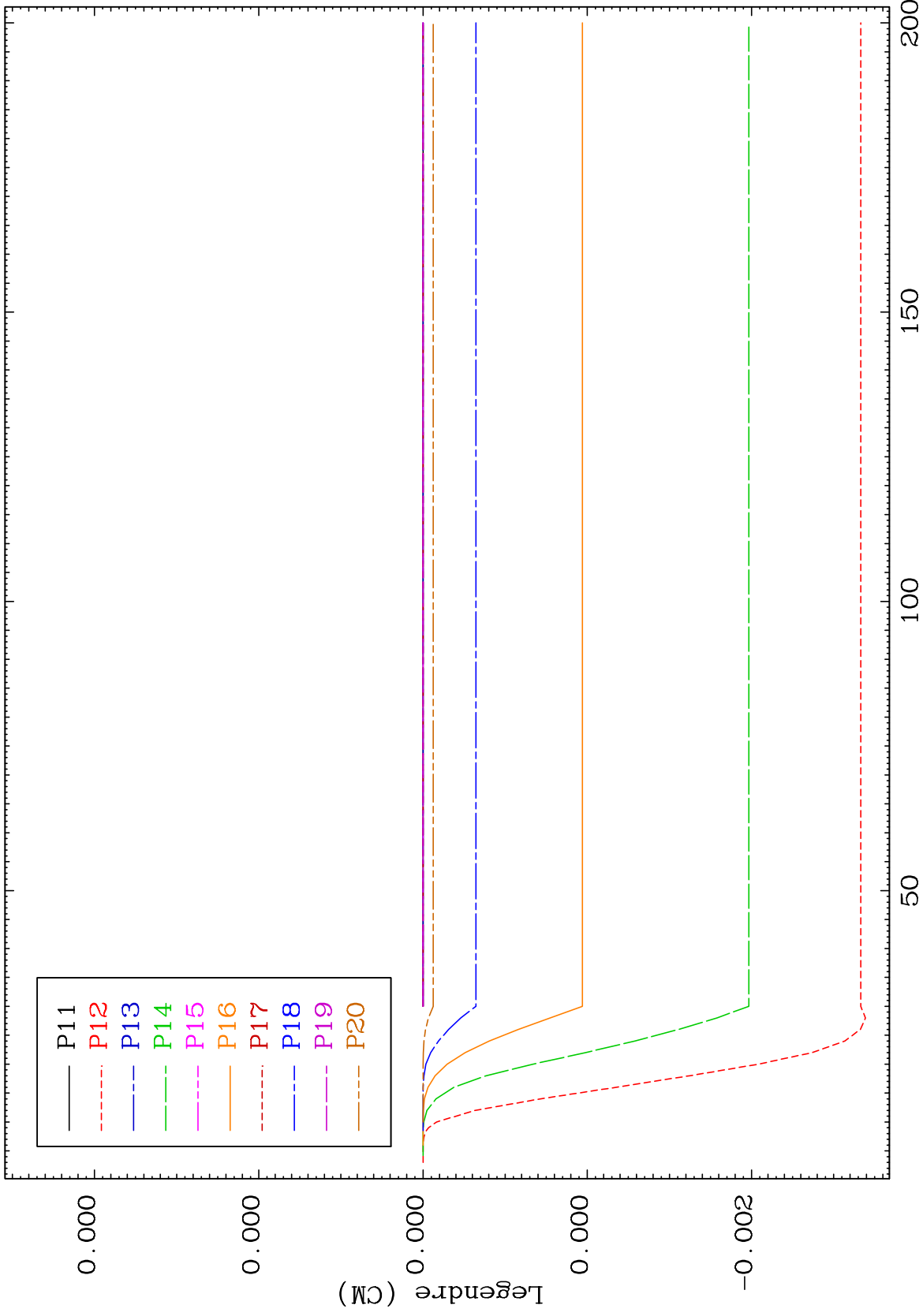




MAT 7049

1.630 MeV (n,n') Level
Legendre Coefficients

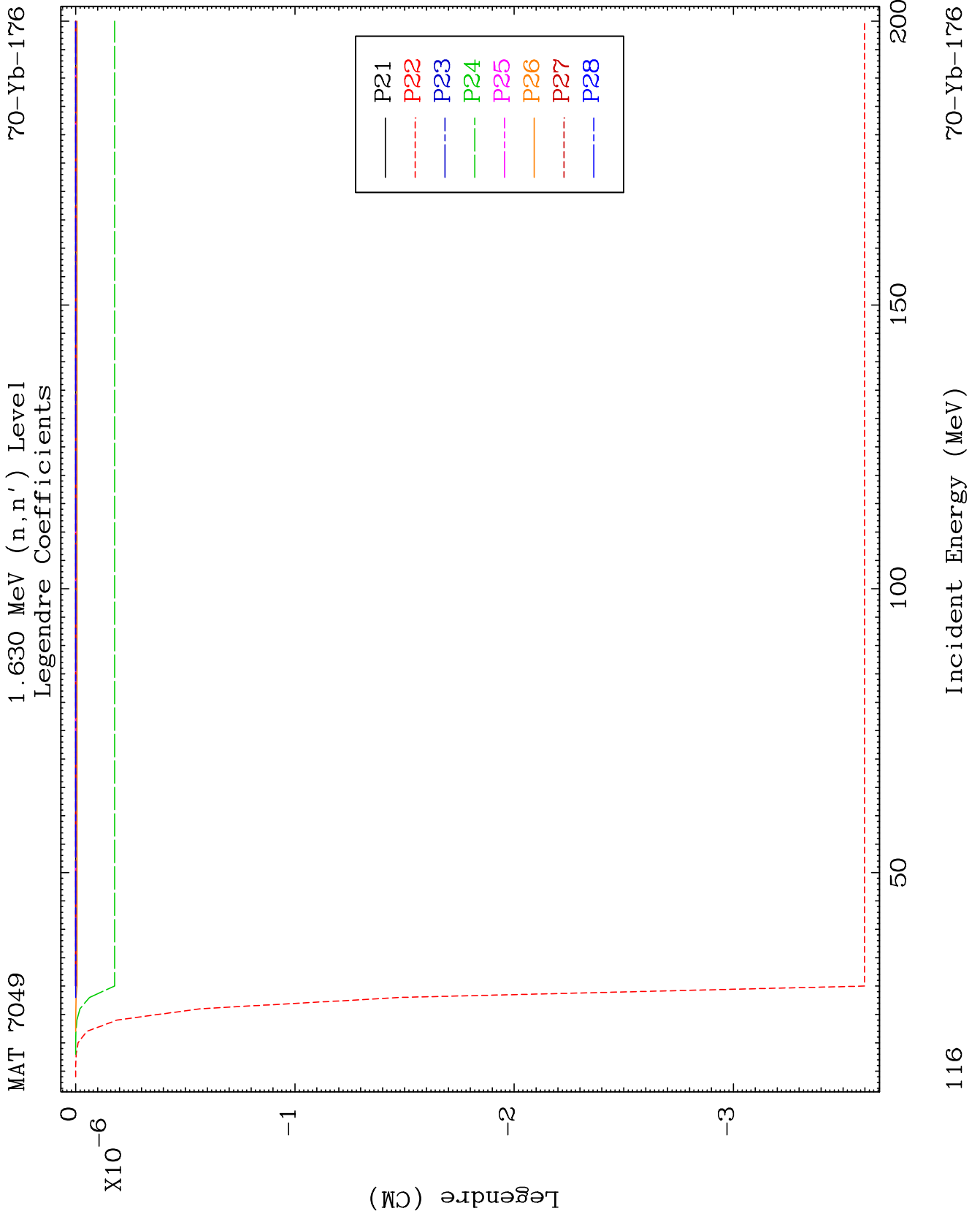
70-Yb-176

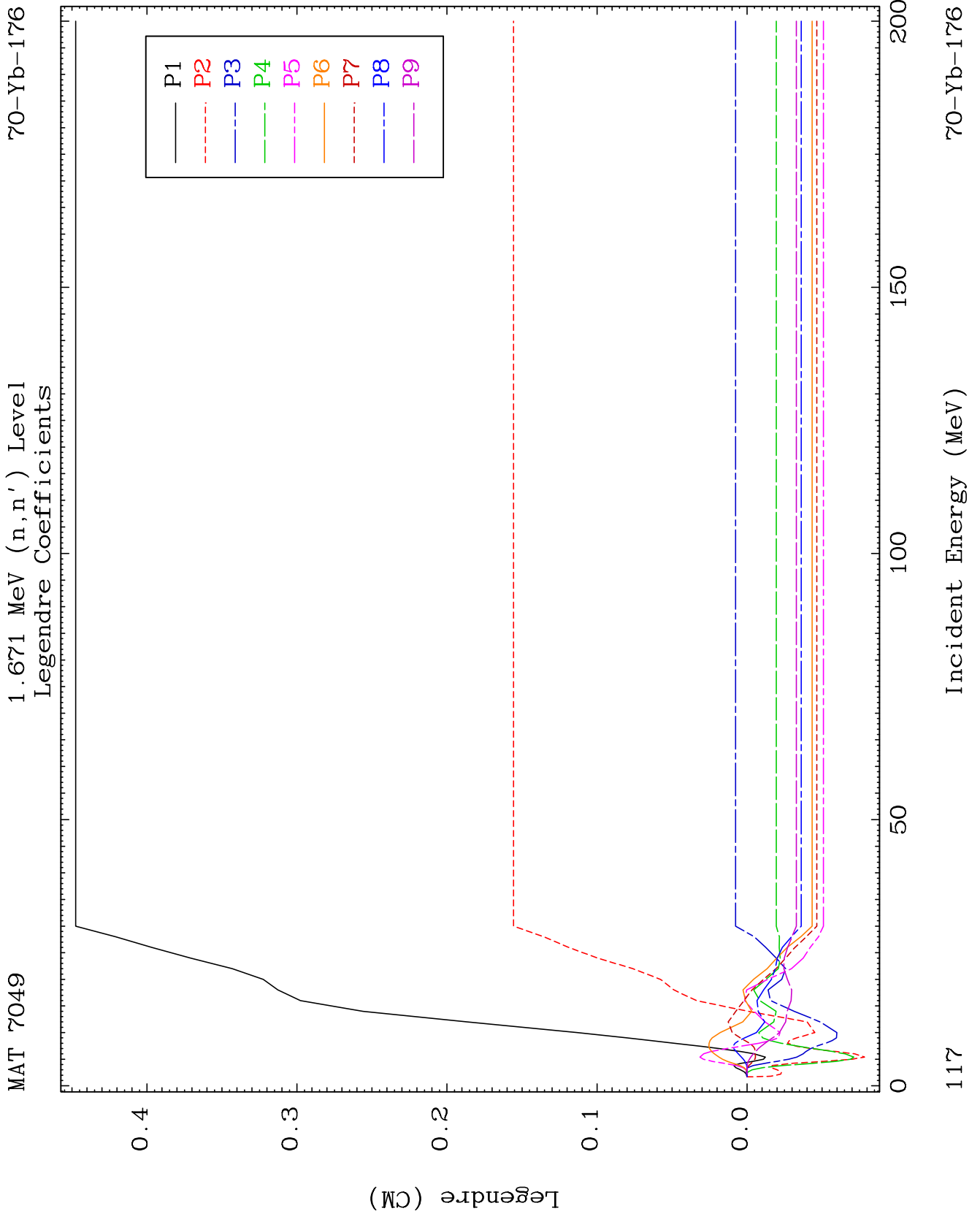


115

Incident Energy (MeV)

70-Yb-176

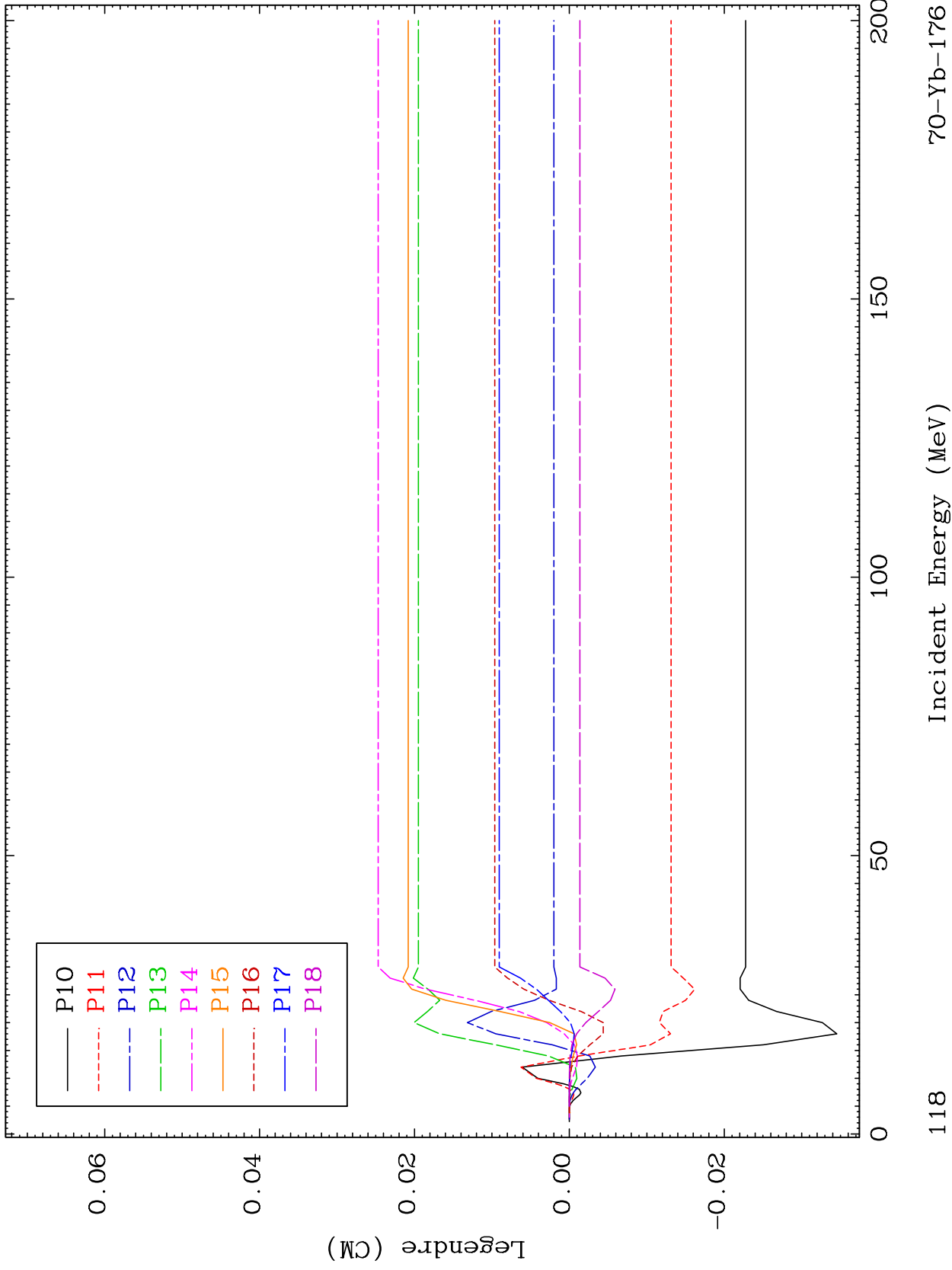




MAT 7049

1.671 MeV (n,n') Level
Legendre Coefficients

70-Yb-176



118

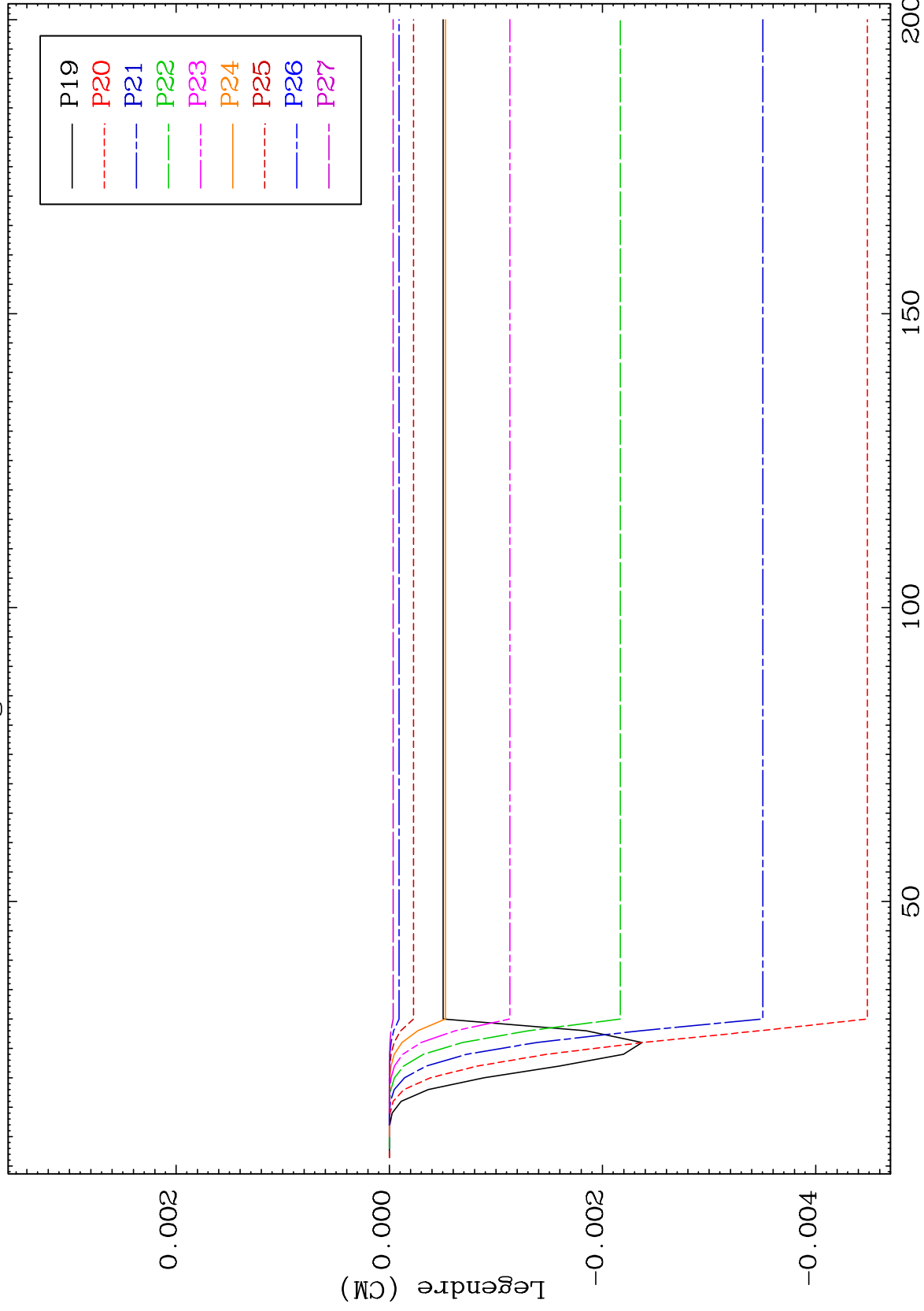
Incident Energy (MeV)

70-Yb-176

MAT 7049

1.671 MeV (n,n') Level
Legendre Coefficients

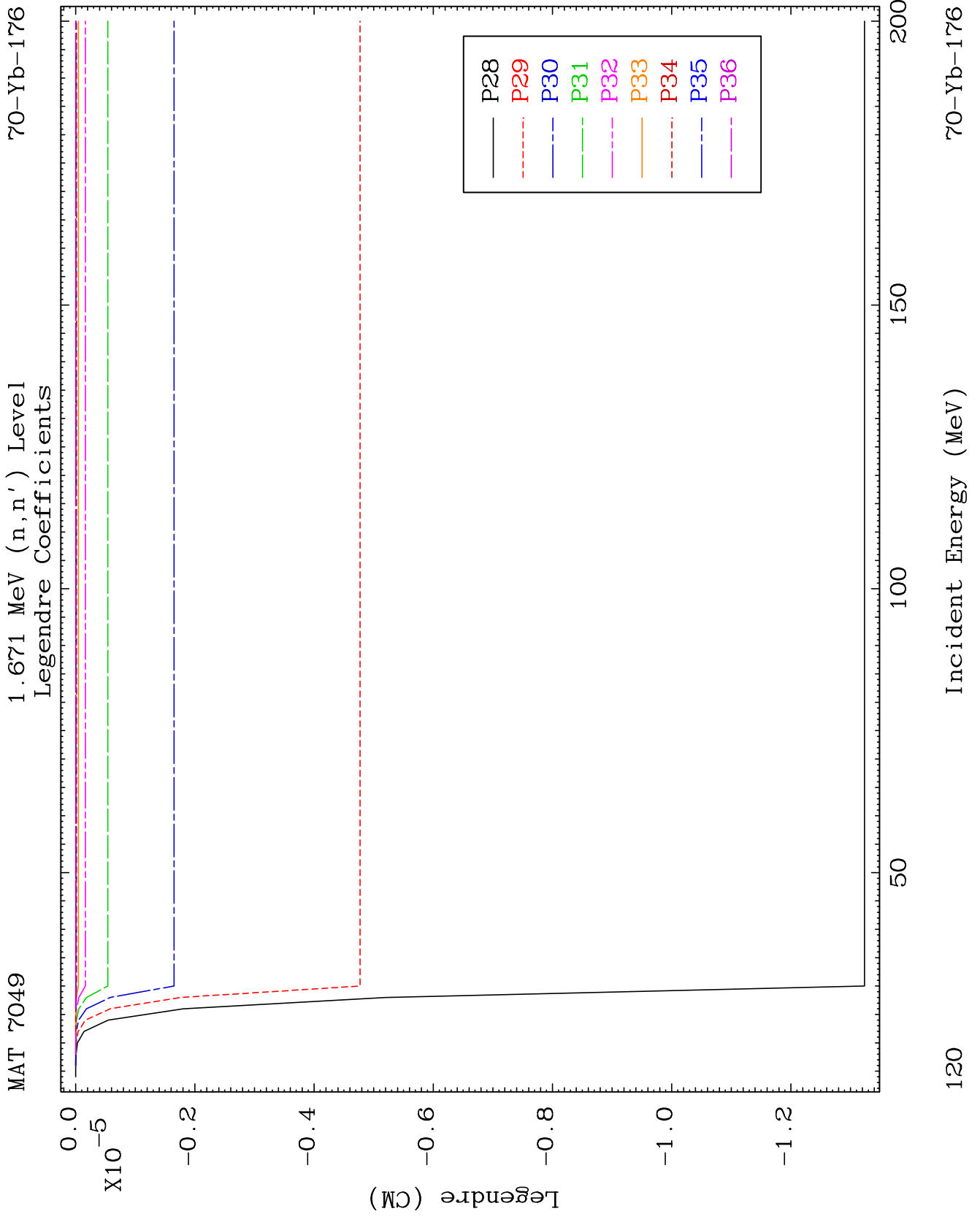
70-Yb-176



119

Incident Energy (MeV)

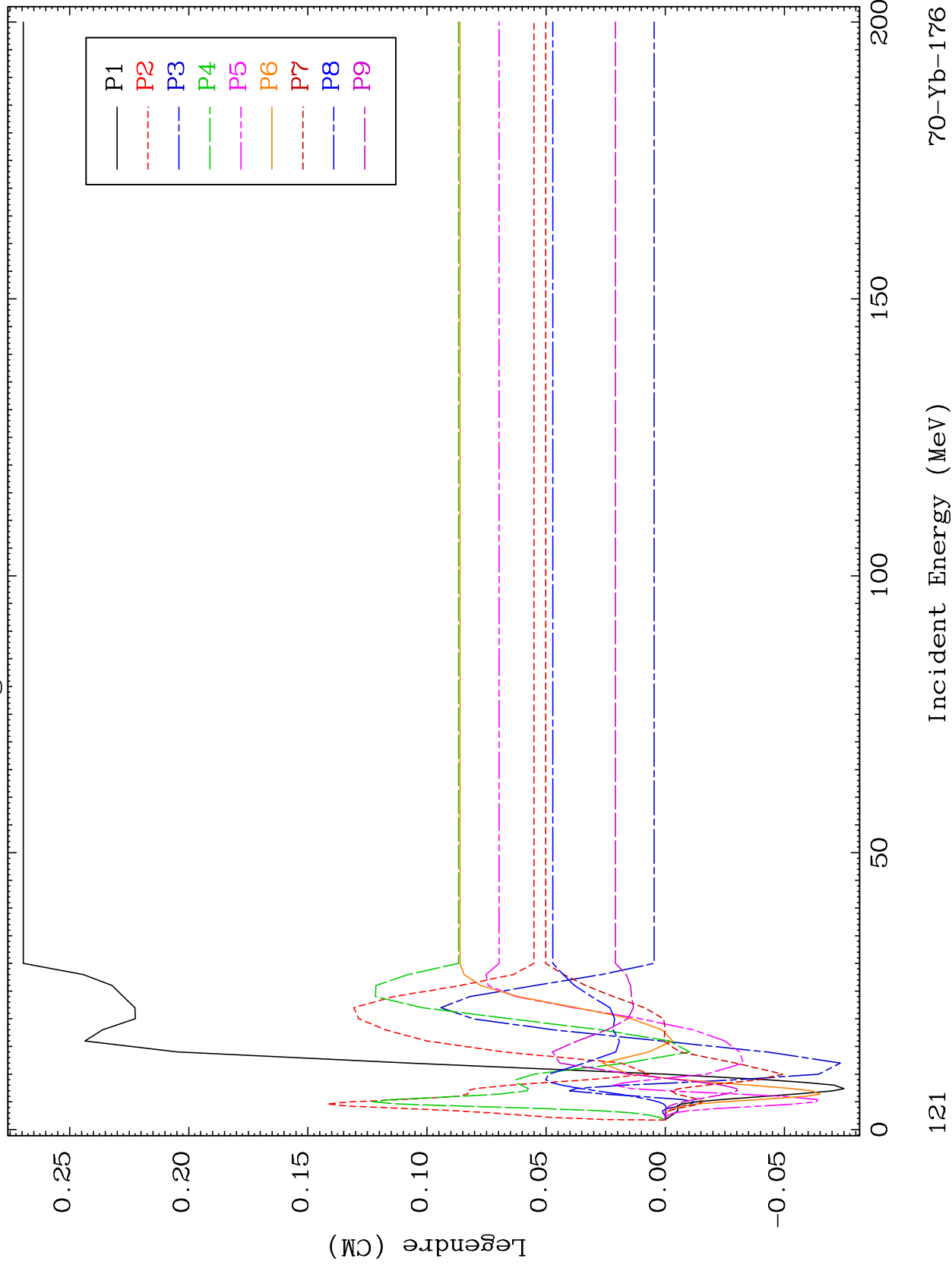
70-Yb-176



MAT 7049

1.692 MeV (n,n') Level
Legendre Coefficients

70-Yb-176



70-Yb-176

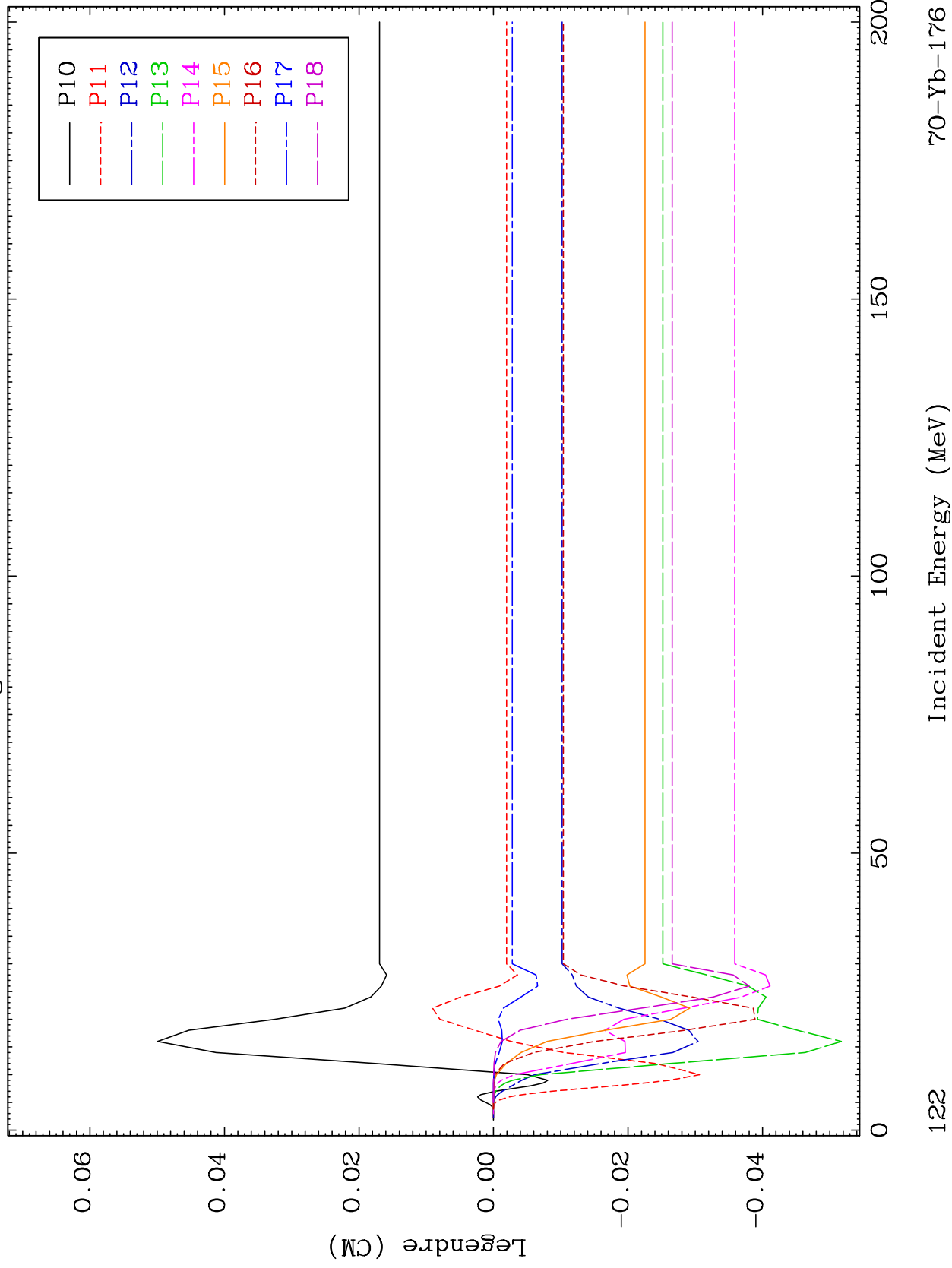
Incident Energy (MeV)

121

MAT 7049

1.692 MeV (n,n') Level
Legendre Coefficients

70-Yb-176



70-Yb-176

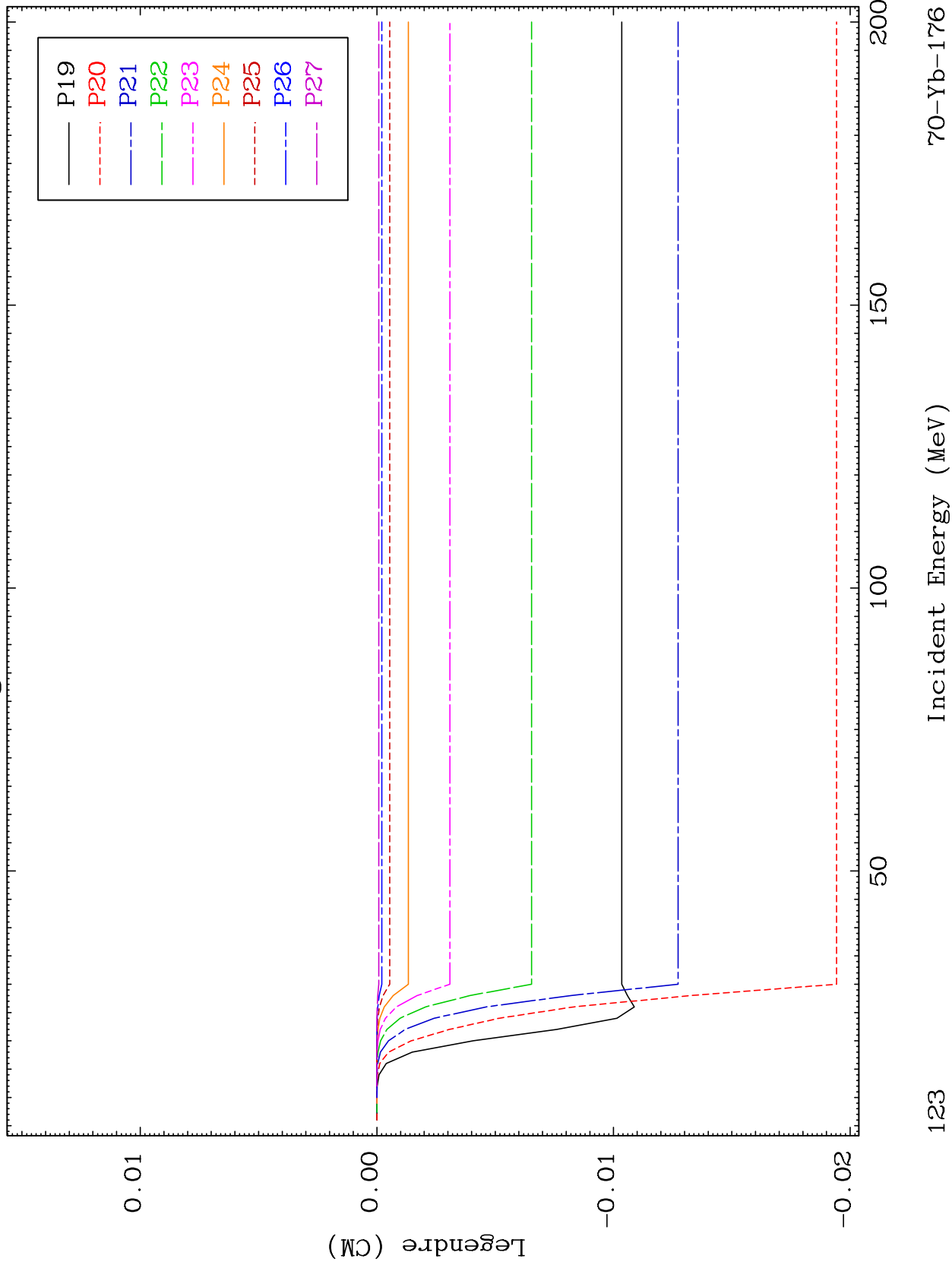
Incident Energy (MeV)

122

MAT 7049

1.692 MeV (n,n') Level
Legendre Coefficients

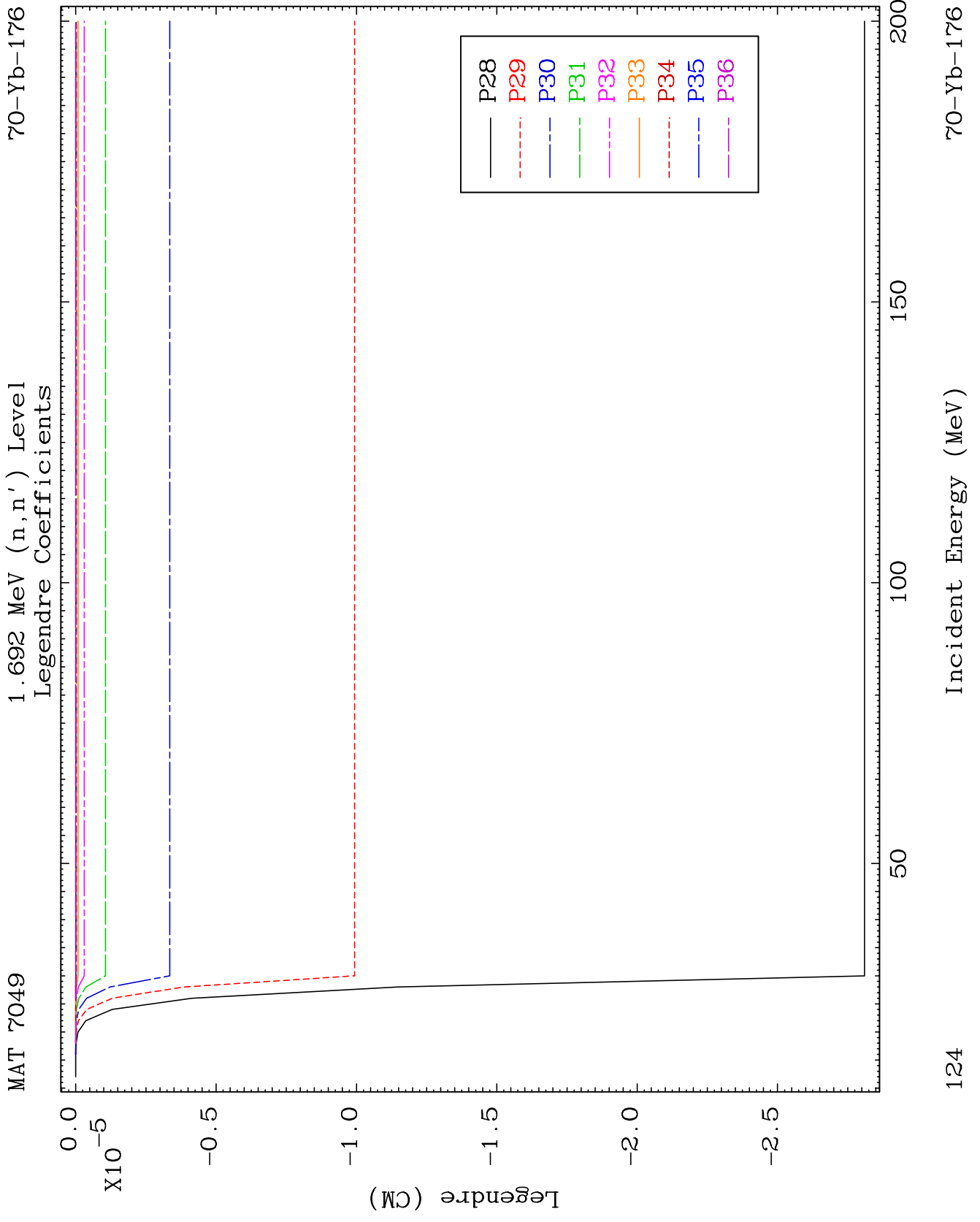
70-Yb-176



123

Incident Energy (MeV)

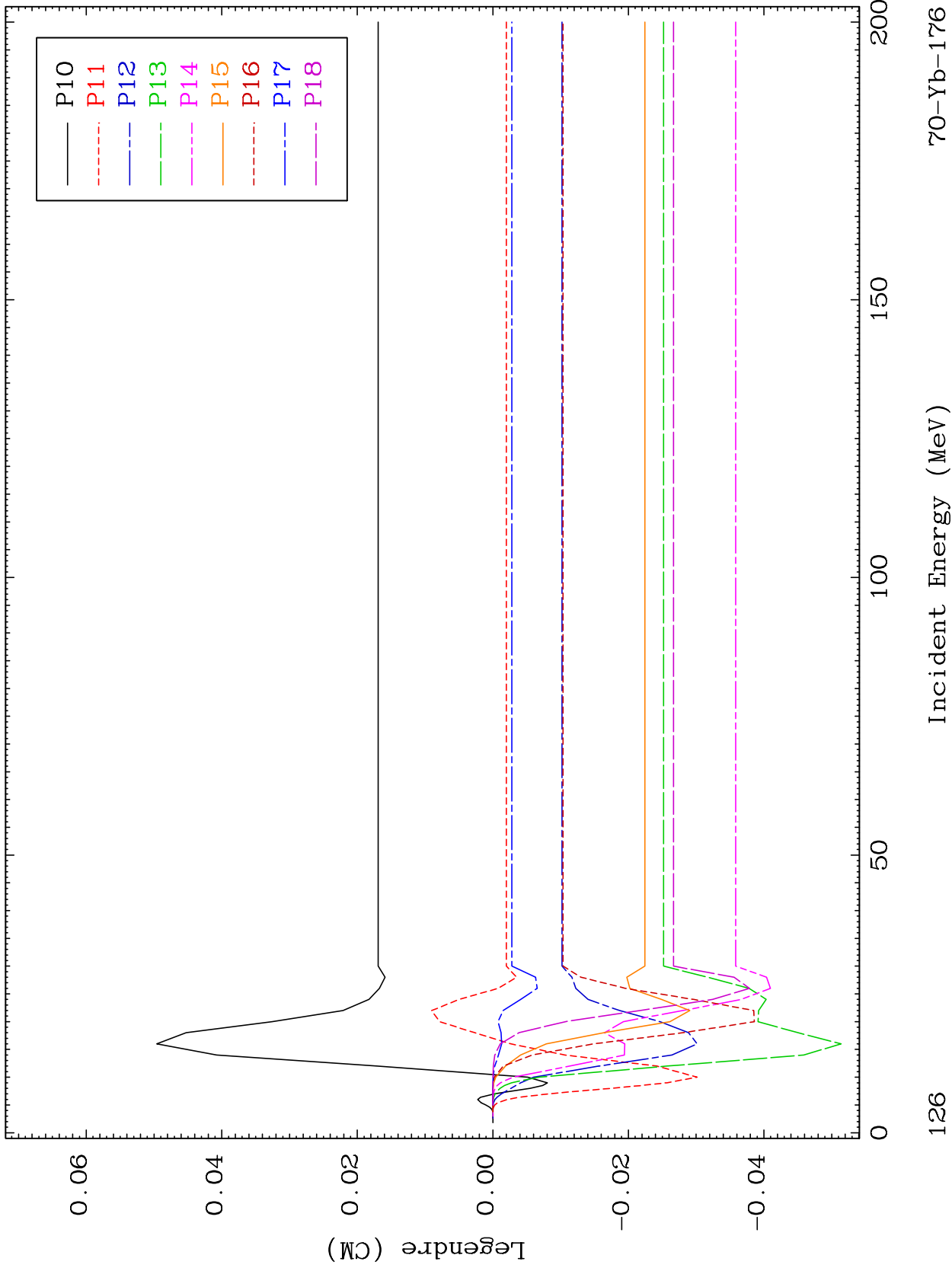
70-Yb-176



MAT 7049

1.738 MeV (n,n') Level
Legendre Coefficients

70-Yb-176



70-Yb-176

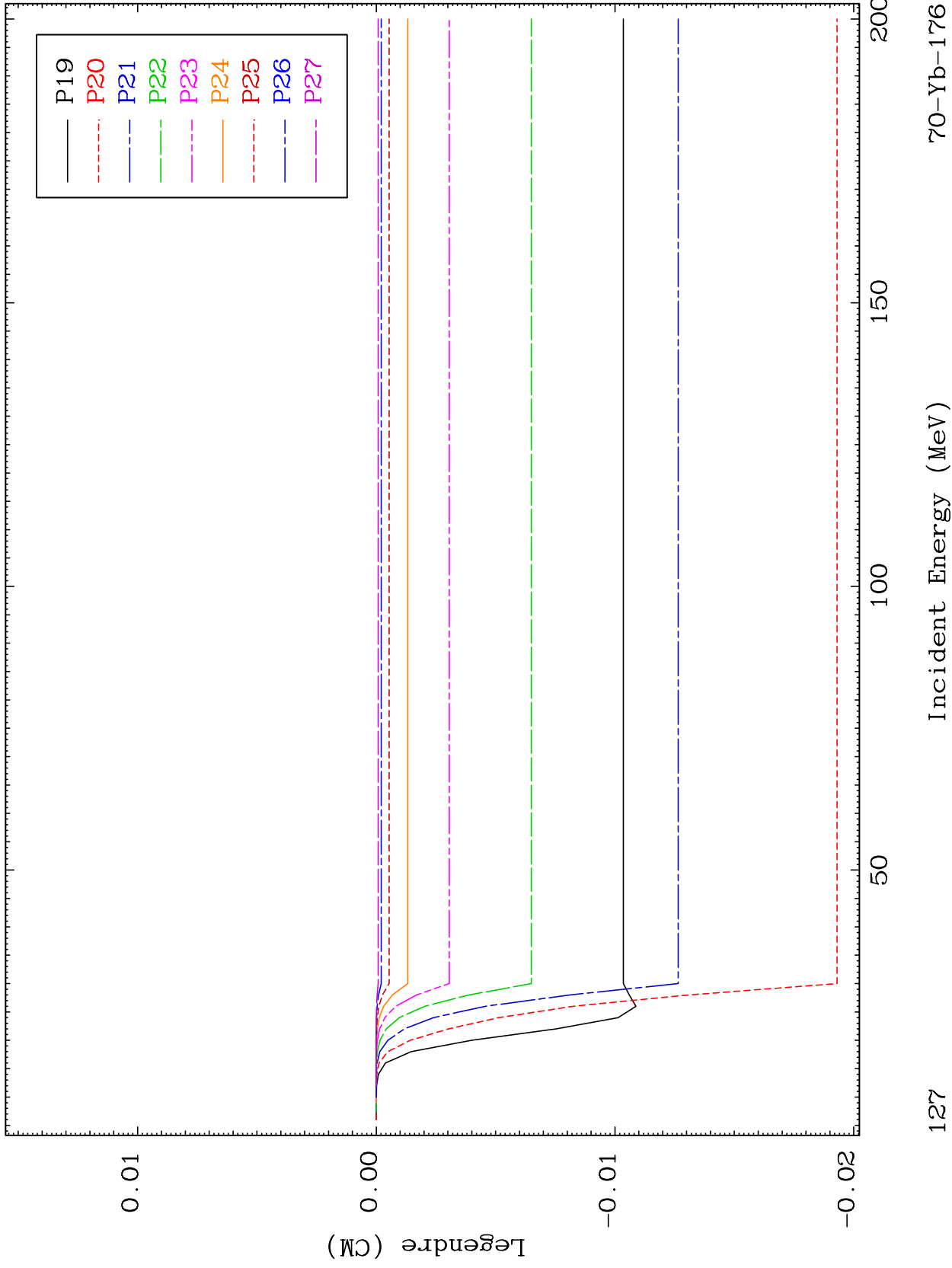
Incident Energy (MeV)

126

MAT 7049

1.738 MeV (n,n') Level
Legendre Coefficients

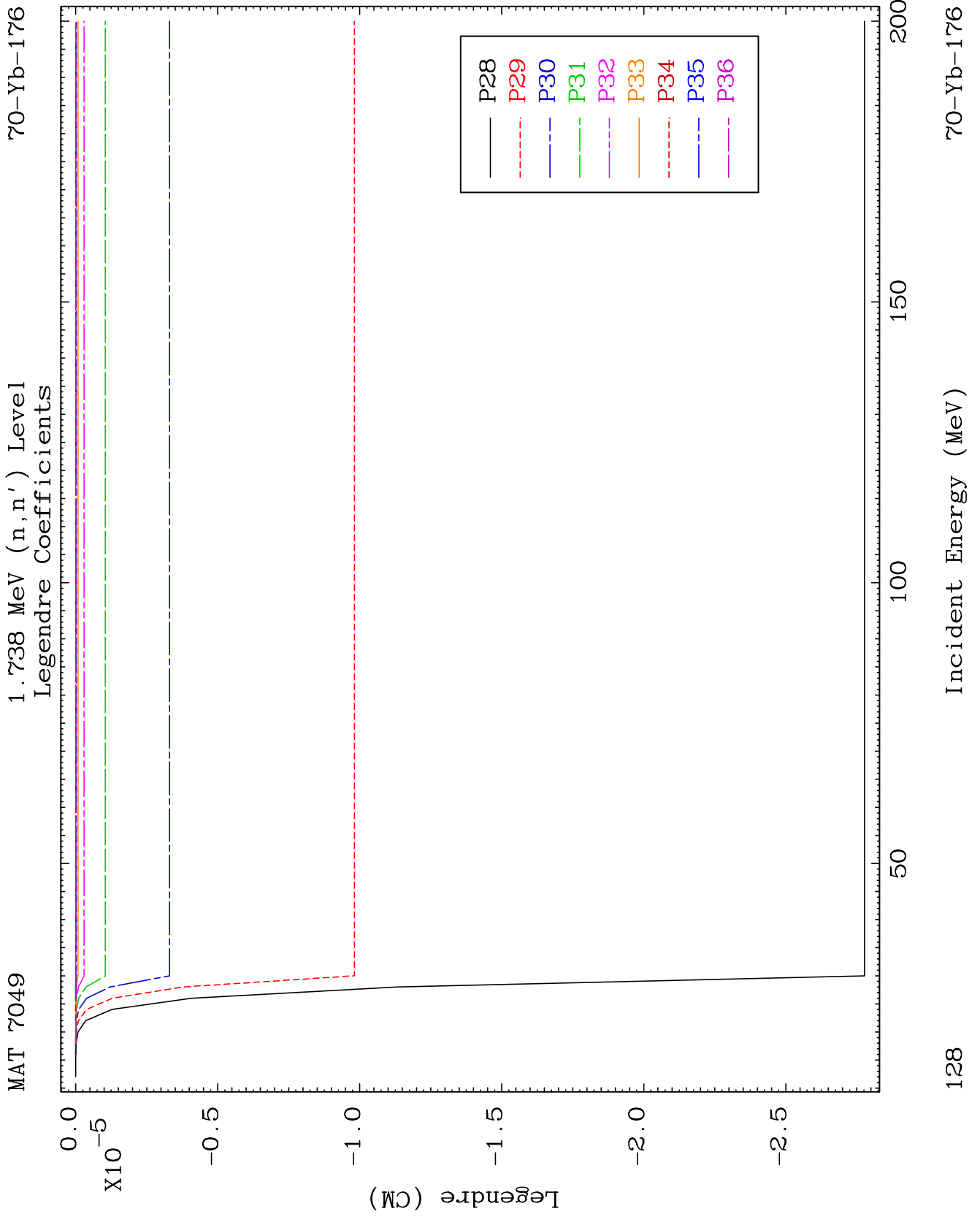
70-Yb-176



127

Incident Energy (MeV)

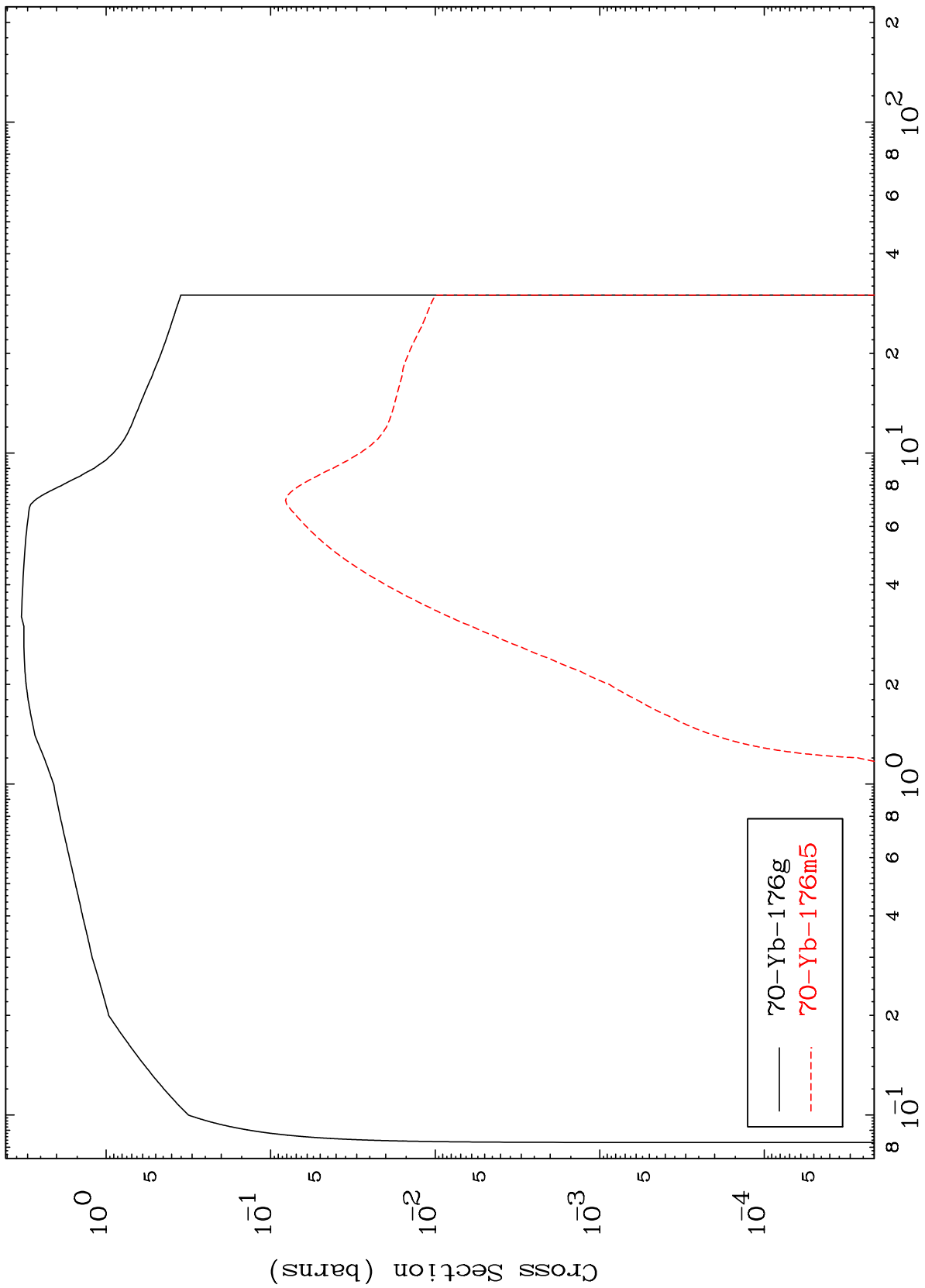
70-Yb-176



MAT 7049

70-Yb-176

Inelastic
Radionuclide Production Cross Section



129

70-Yb-176

Incident Energy (MeV)

MAT 7049

$^{70}\text{Yb-176}$

(n, γ)
Radionuclide Production Cross Section

