

Program EVALPLOT
(Version 2015-2)

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:home.comcast.net/~redcullen1

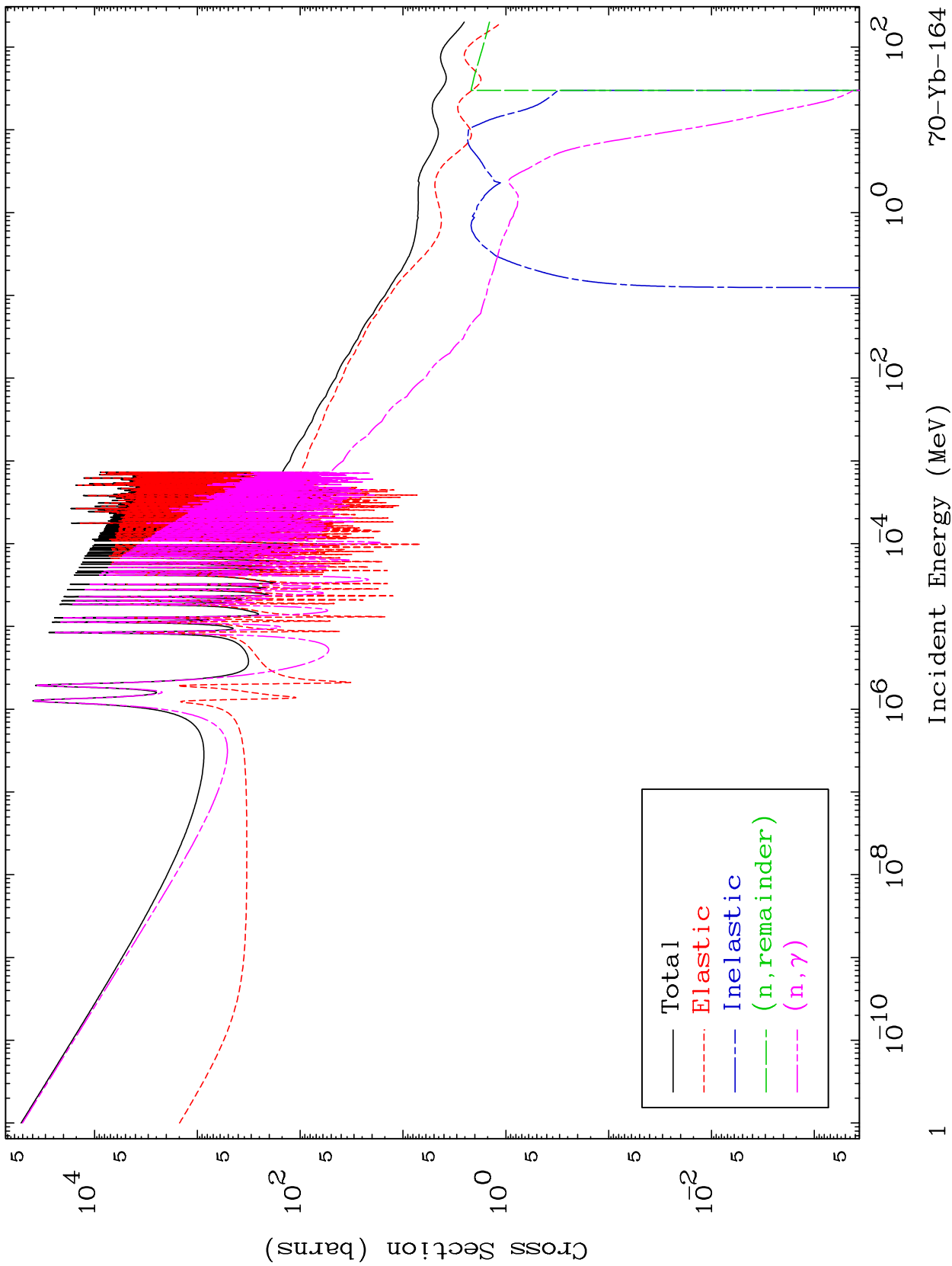
Press Mouse Button to Start

MAT 7013

Major

70-Yb-164

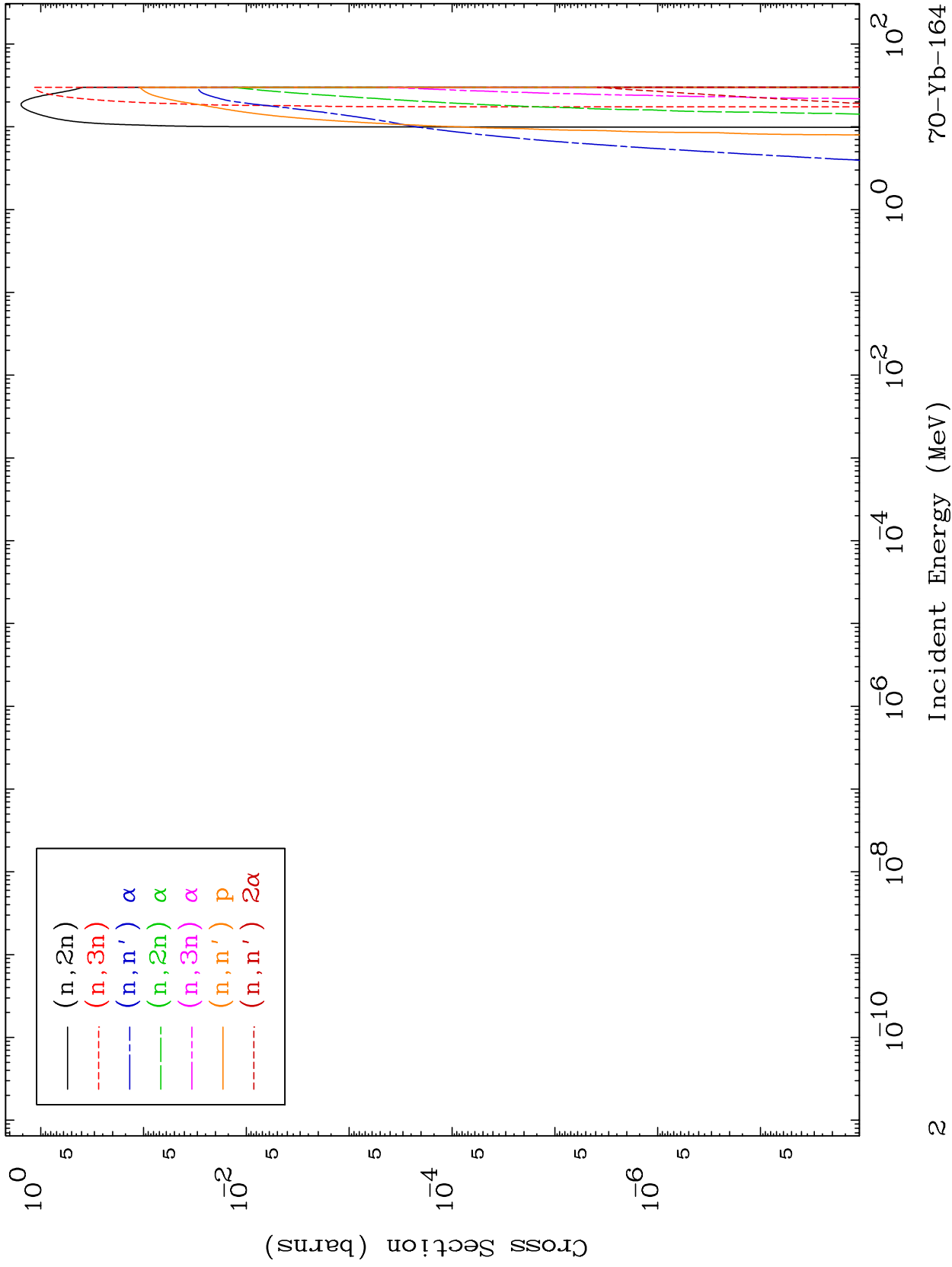
293 Kelvin Cross Sections

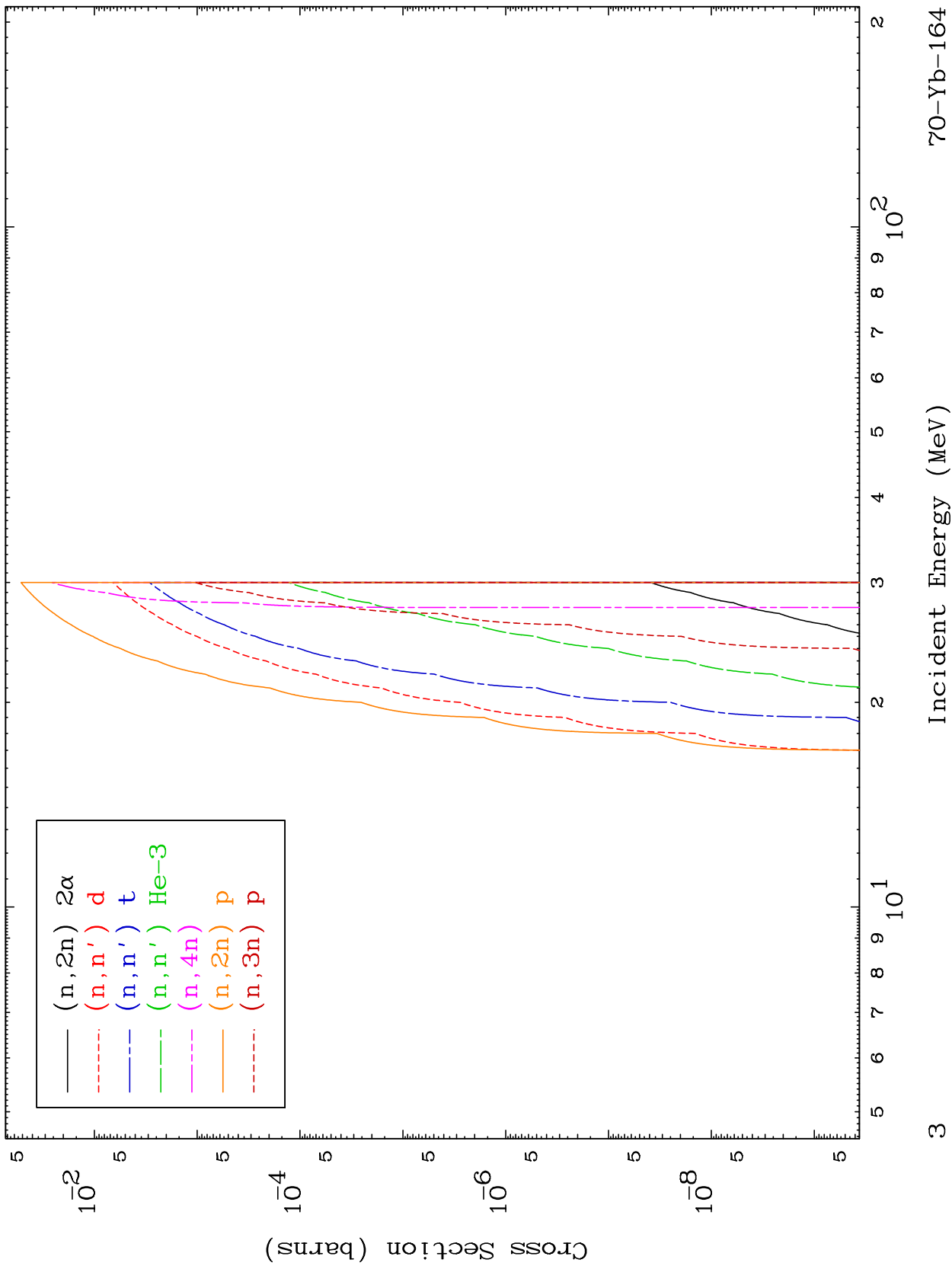


MAT 7013

Neutron Production
293 Kelvin Cross Sections

70-Yb-164

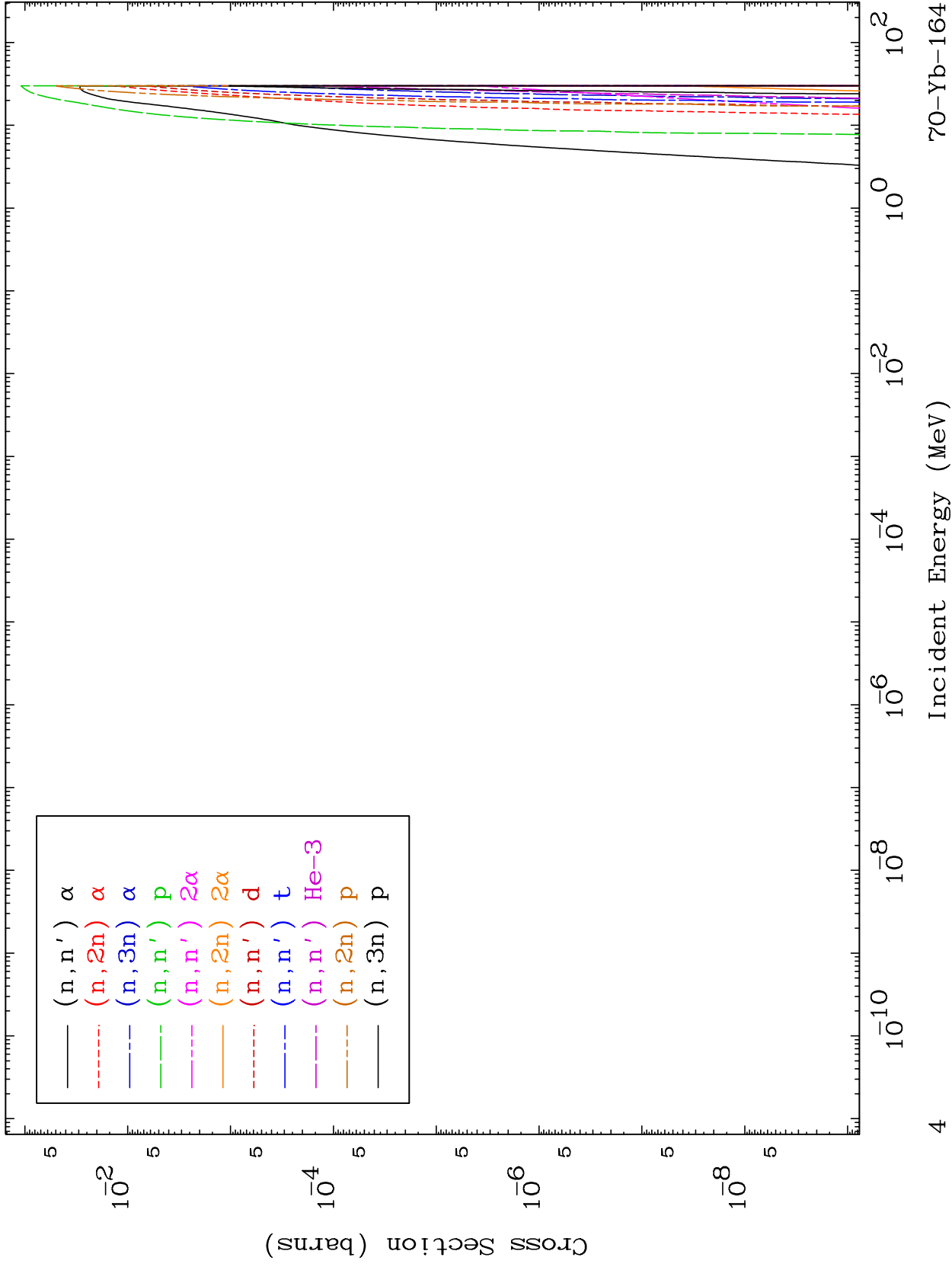




MAT 7013

Charged Particle
293 Kelvin Cross Sections

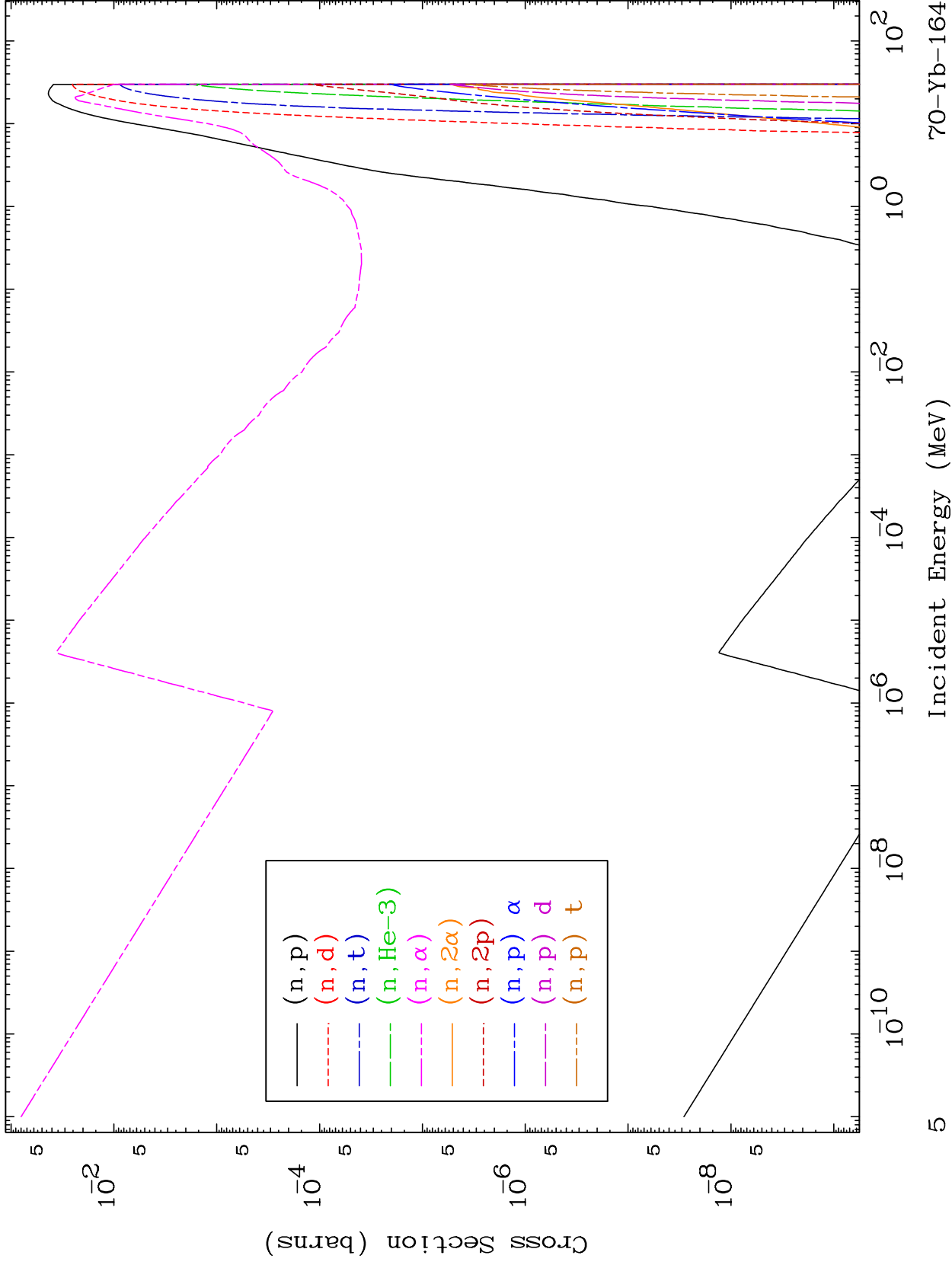
70-Yb-164



MAT 7013

Charged Particle
293 Kelvin Cross Sections

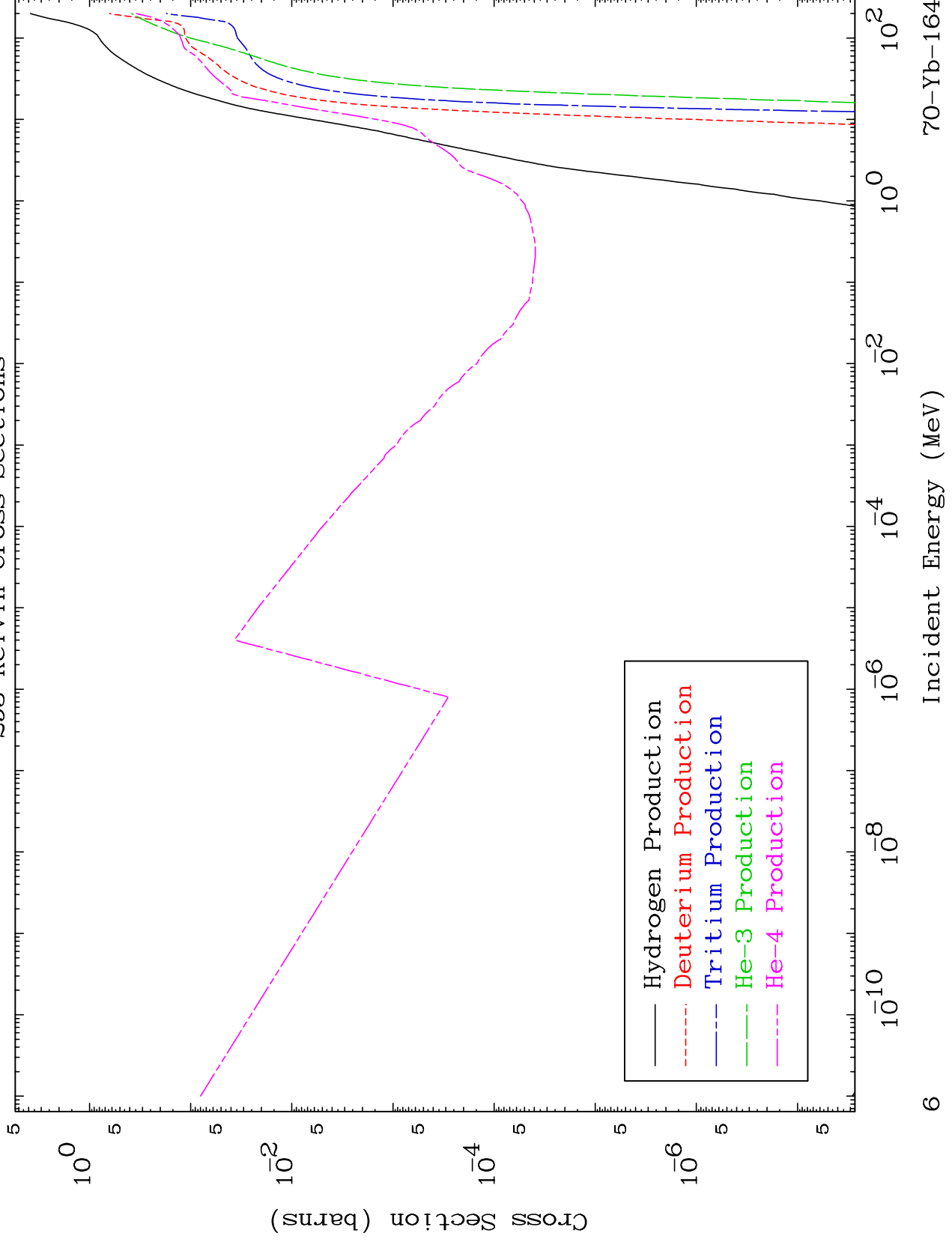
70-Yb-164



MAT 7013

Particle Production
293 Kelvin Cross Sections

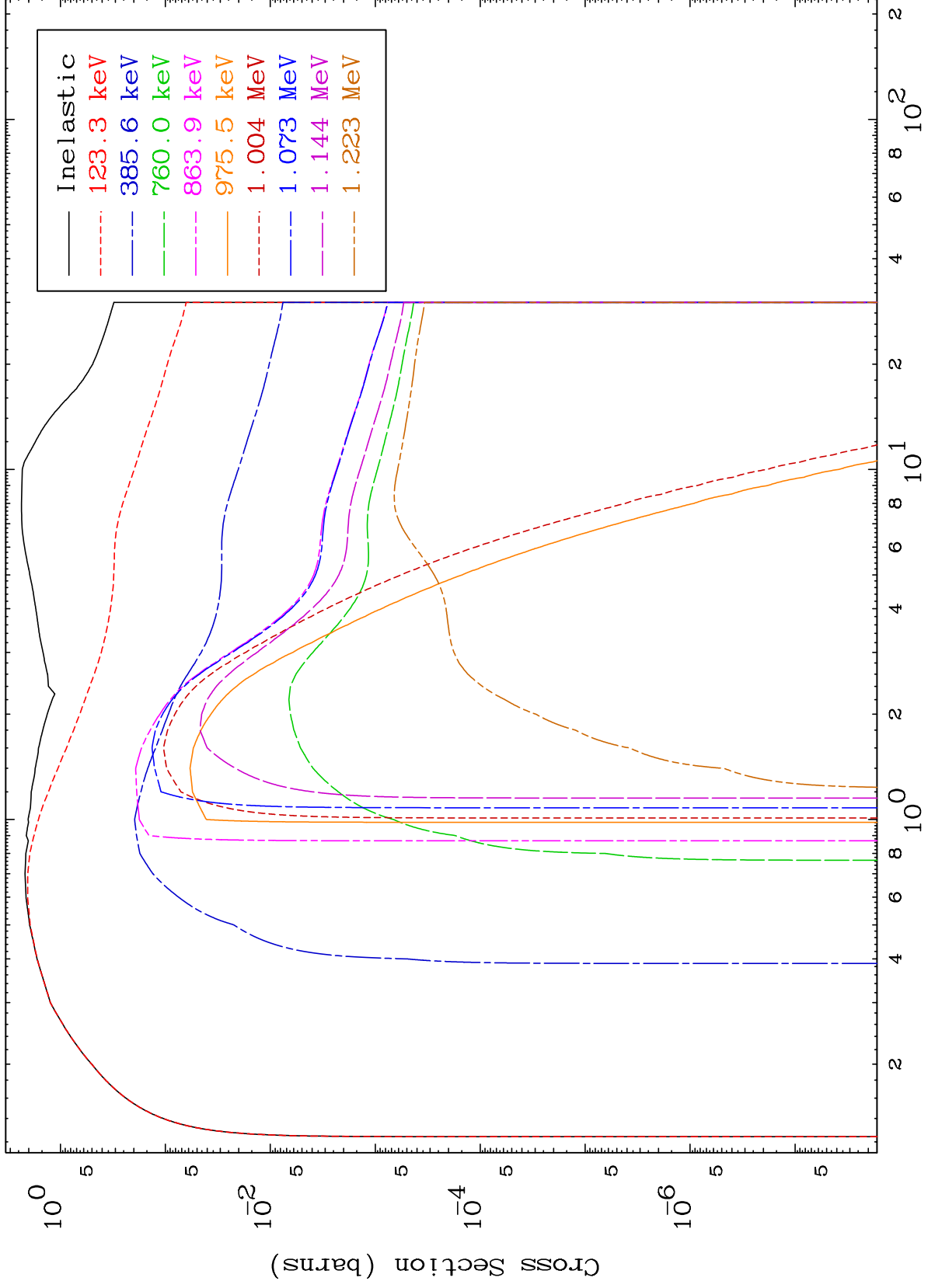
70-Yb-164



MAT 7013

(n,n') Level
293 Kelvin Cross Sections

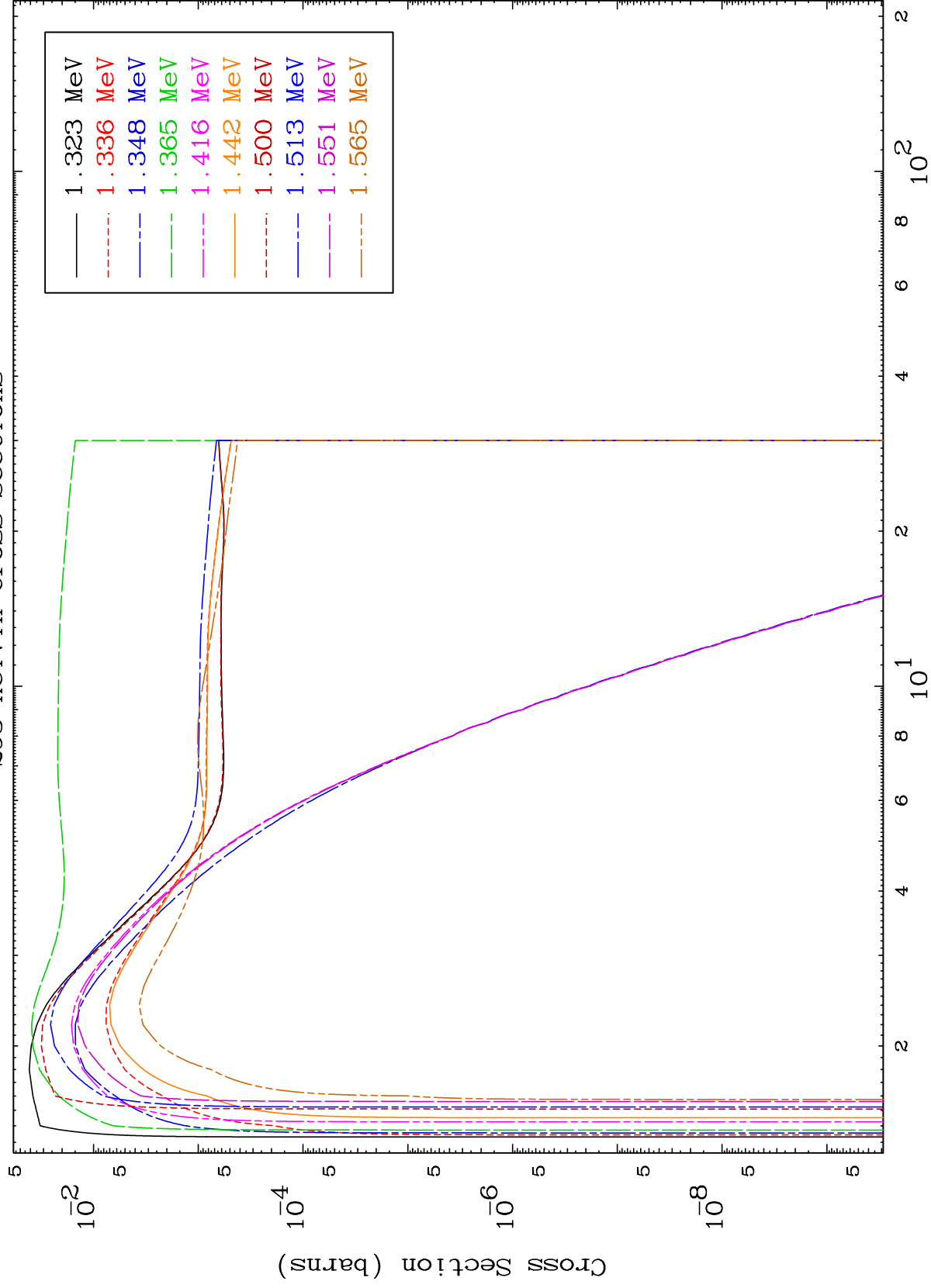
70-Yb-164



MAT 7013

(n,n') Level
293 Kelvin Cross Sections

70-Yb-164



8

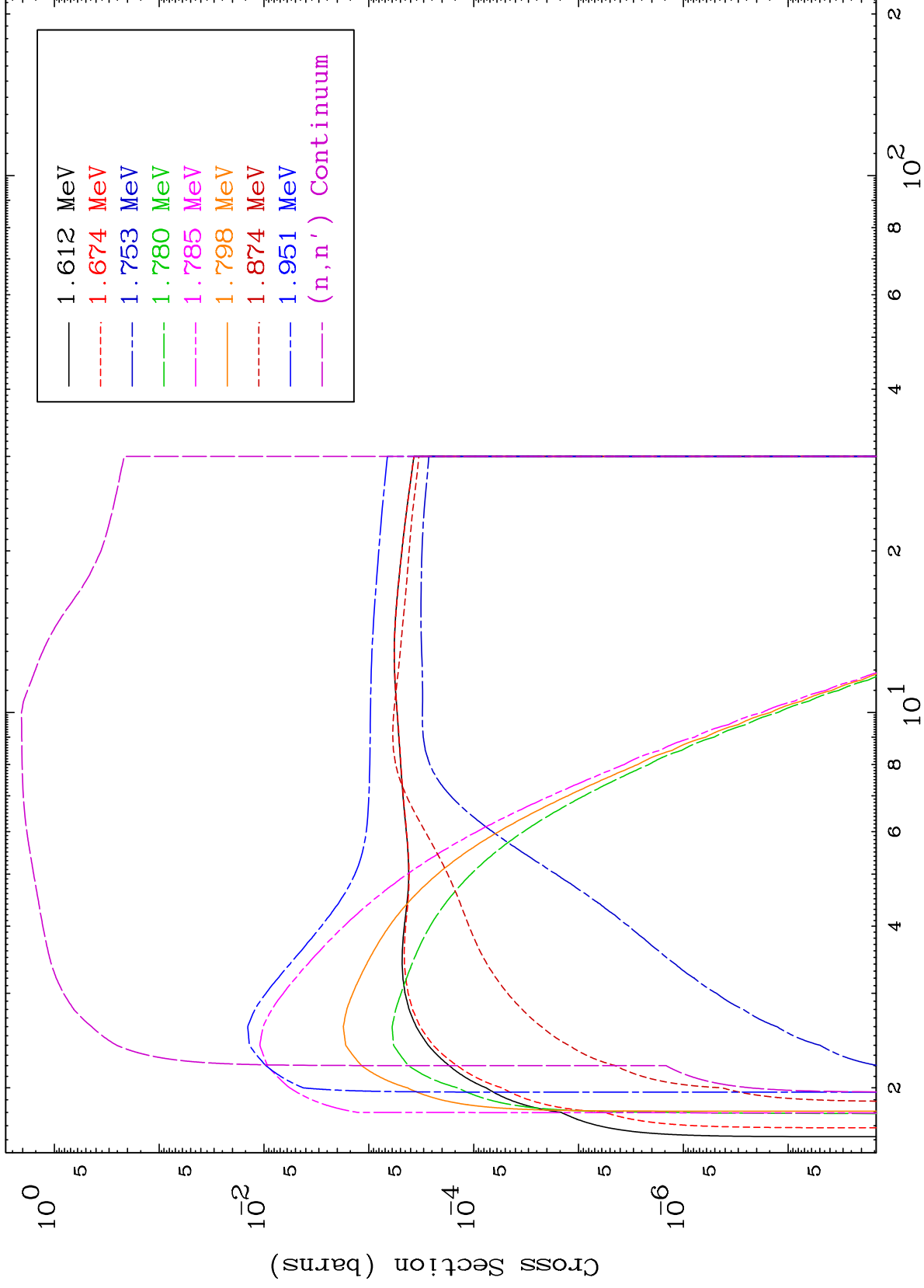
Incident Energy (MeV)

70-Yb-164

MAT 7013

(n,n') Level
293 Kelvin Cross Sections

70-Yb-164



9

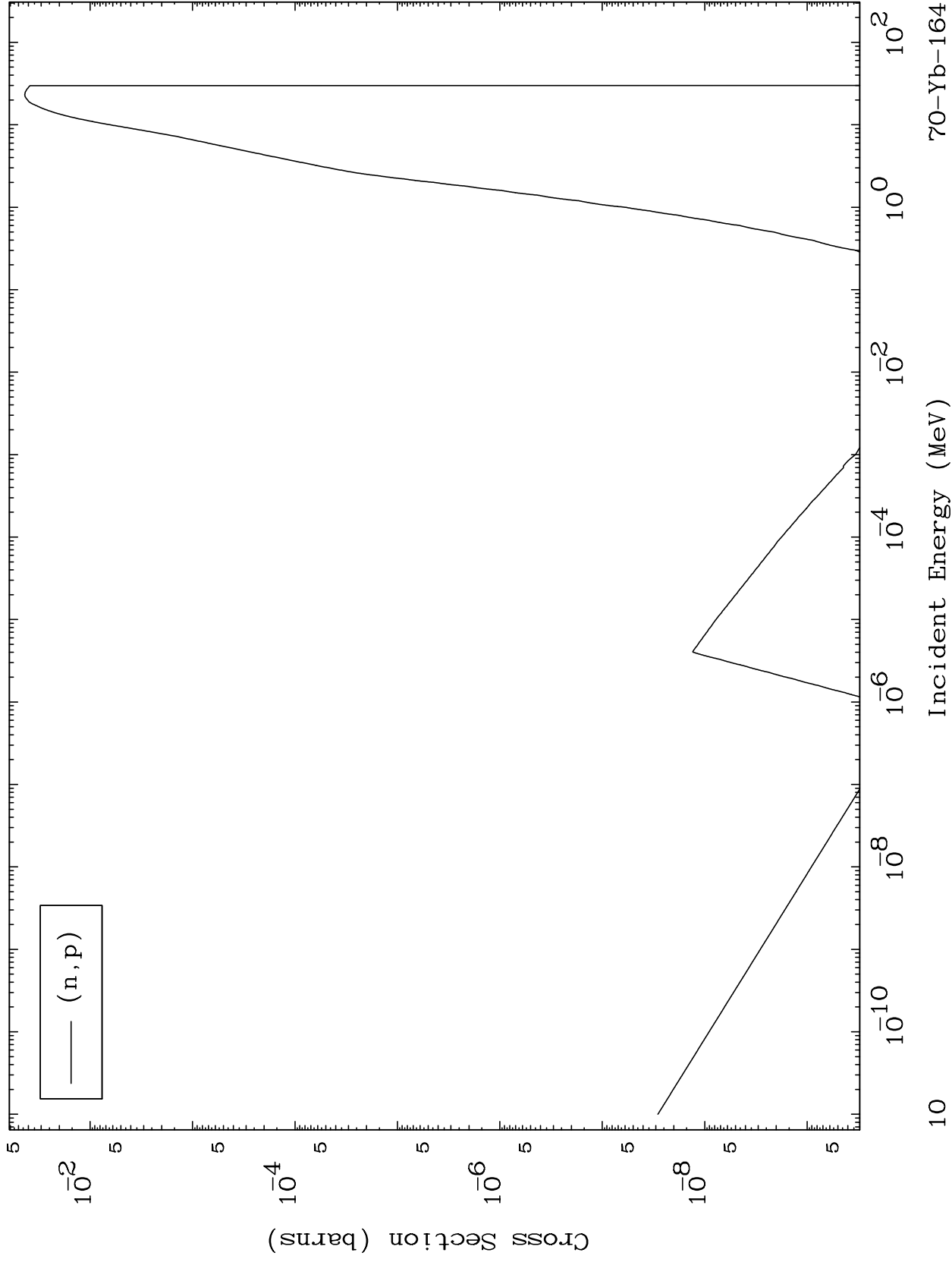
Incident Energy (MeV)

70-Yb-164

MAT 7013

(n,p) Levels
293 Kelvin Cross Sections

70-Yb-164



10

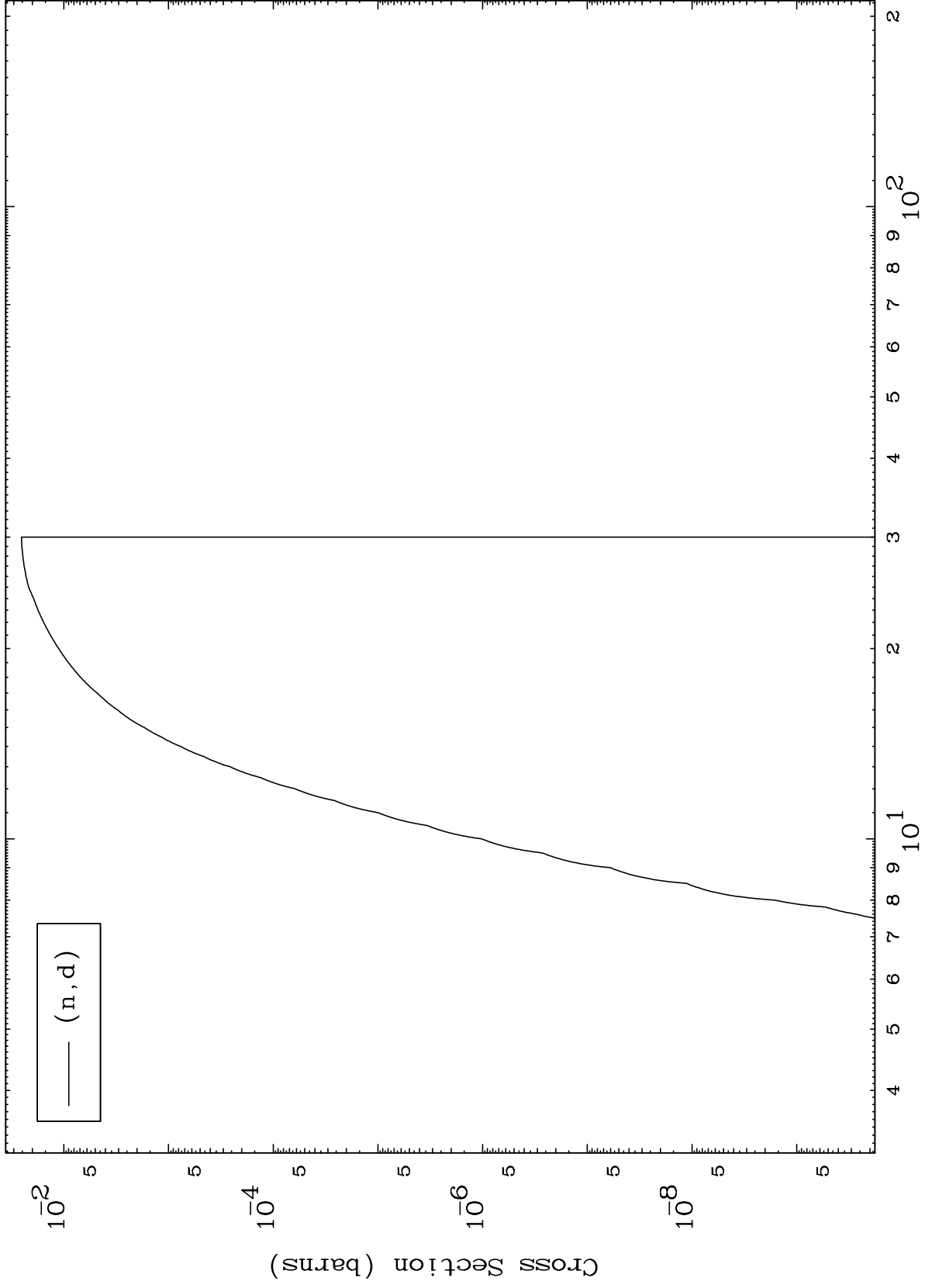
Incident Energy (MeV)

70-Yb-164

MAT 7013

(n,d) Levels
293 Kelvin Cross Sections

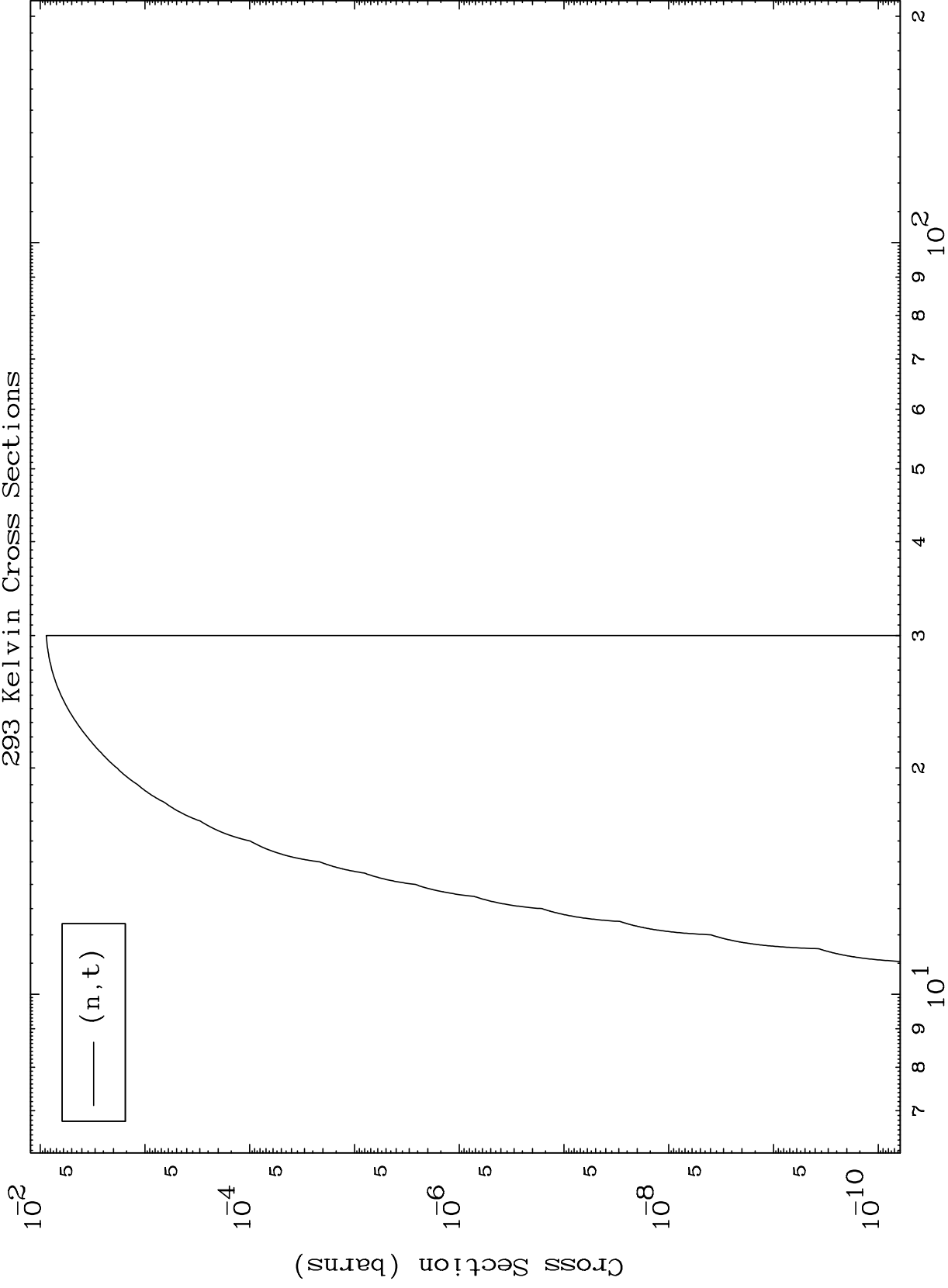
70-Yb-164



MAT 7013

(n,t) Levels
293 Kelvin Cross Sections

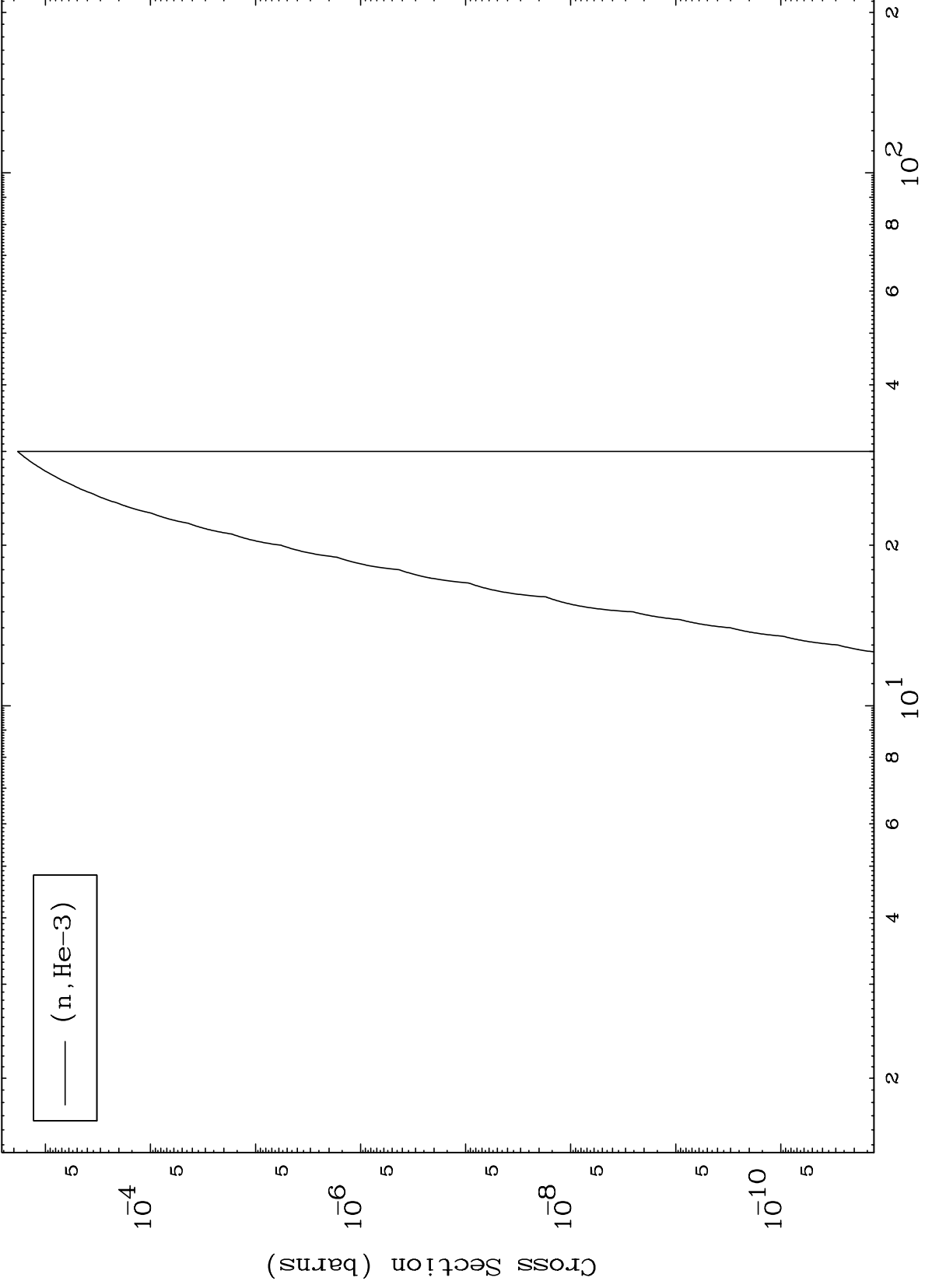
70-Yb-164



12

Incident Energy (MeV)

70-Yb-164

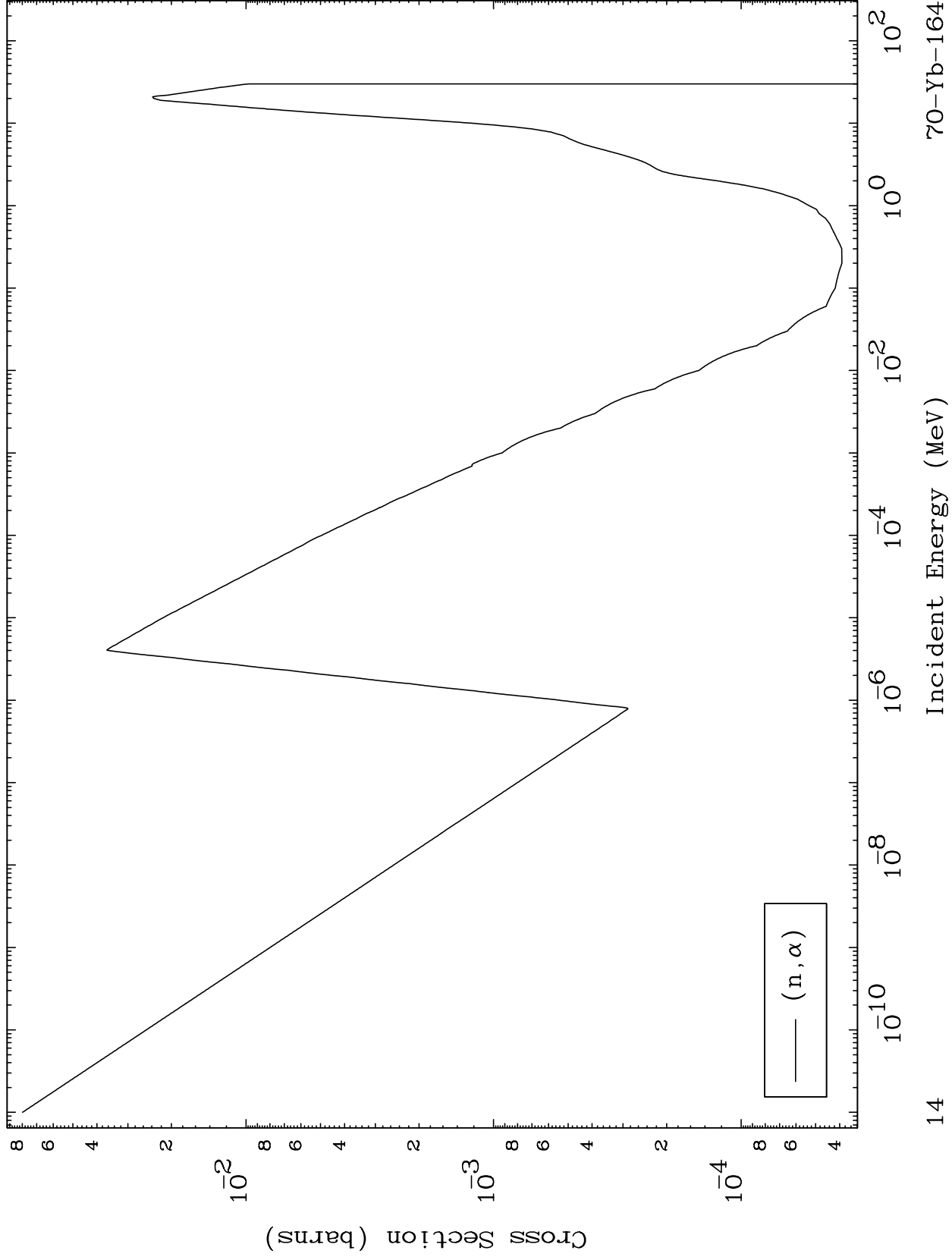


(n, He-3)

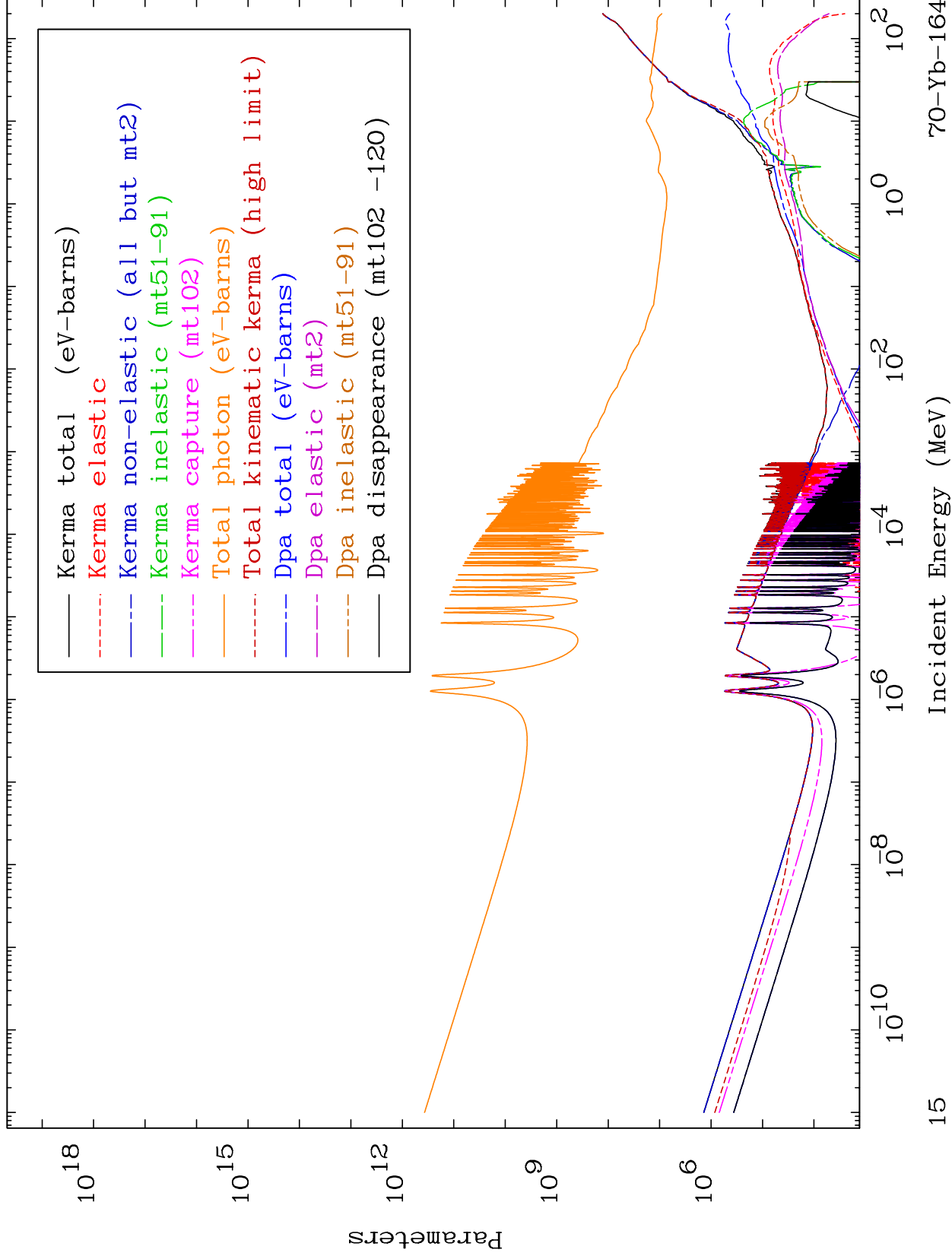
MAT 7013

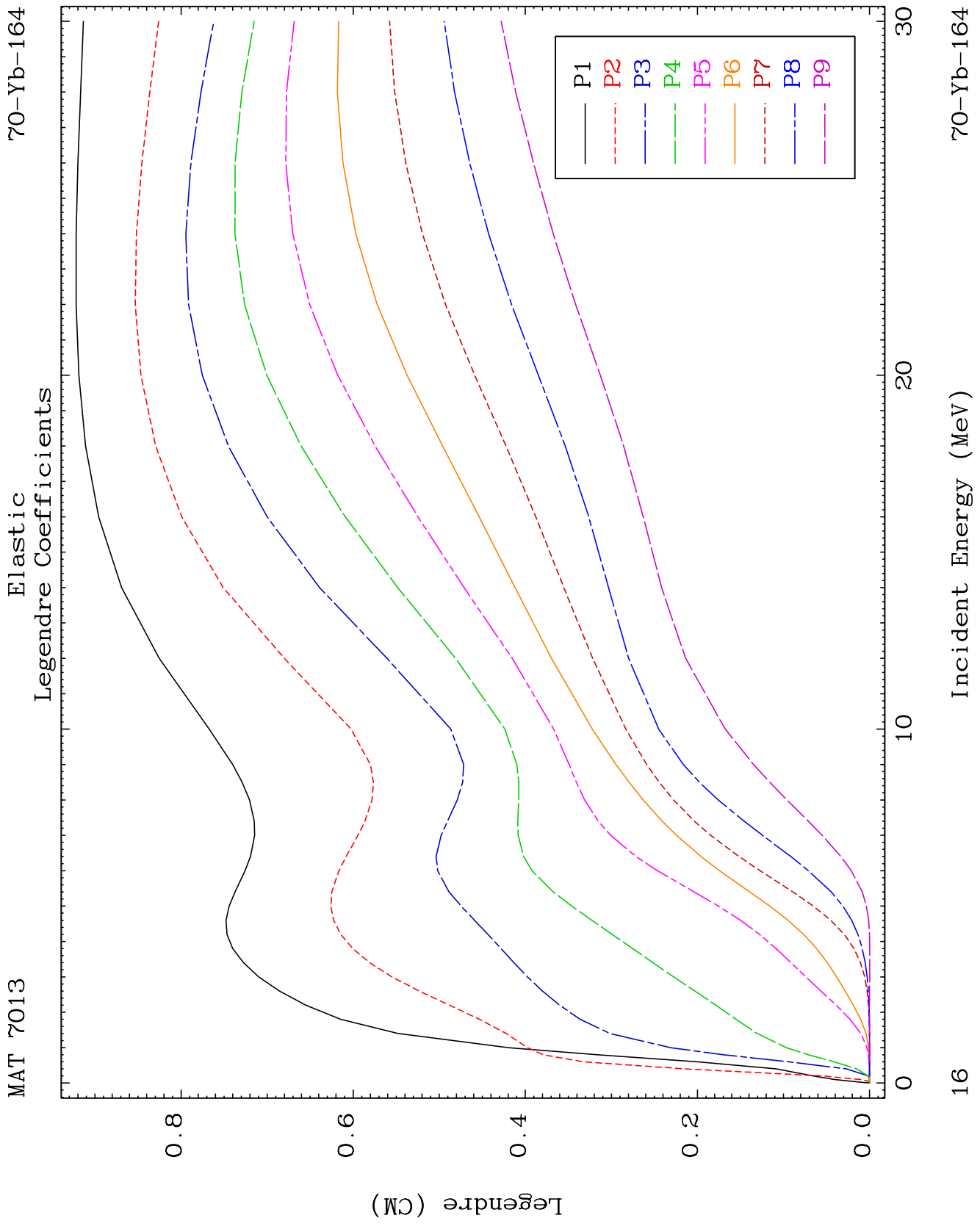
(n, α) Levels
293 Kelvin Cross Sections

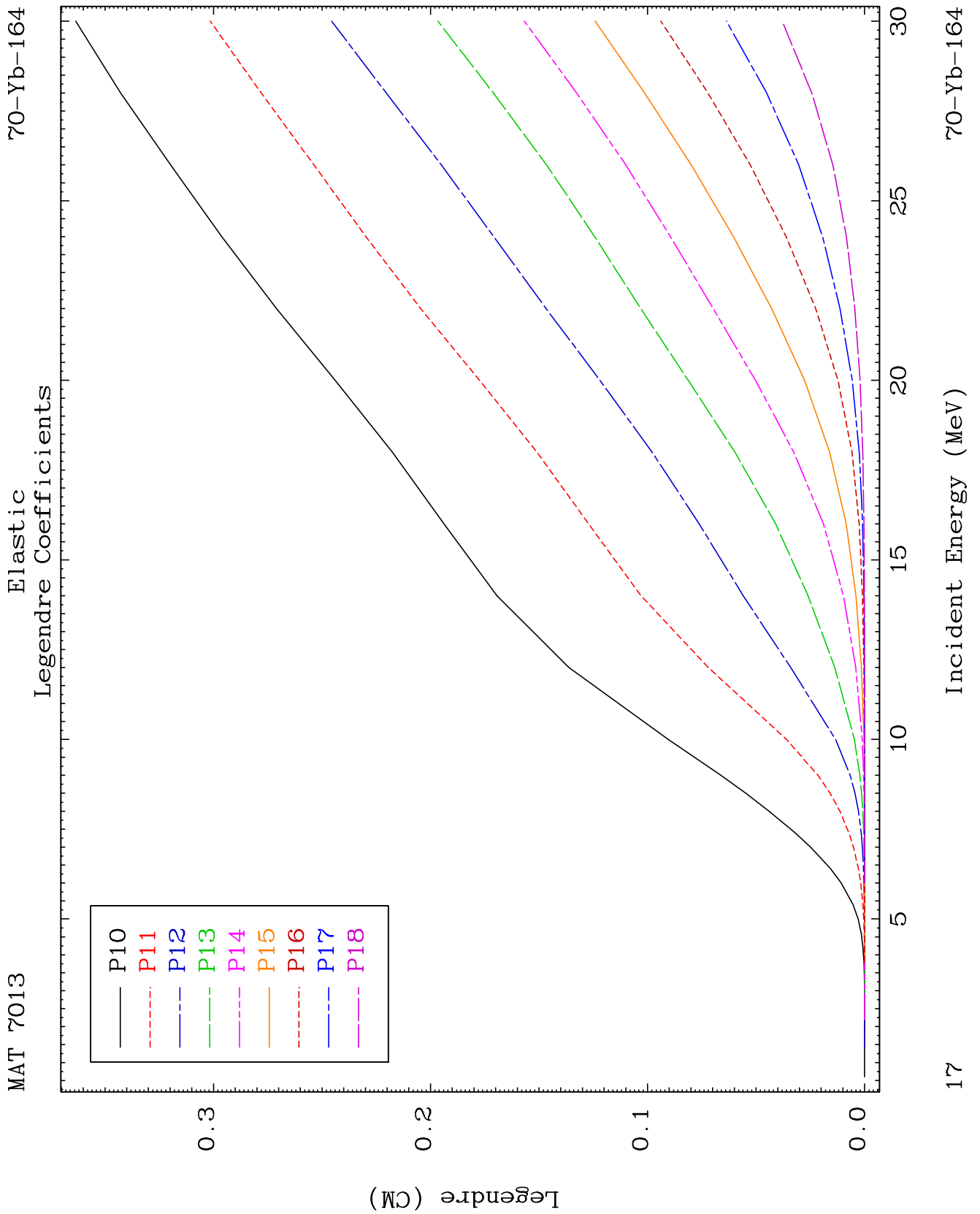
70-Yb-164



14



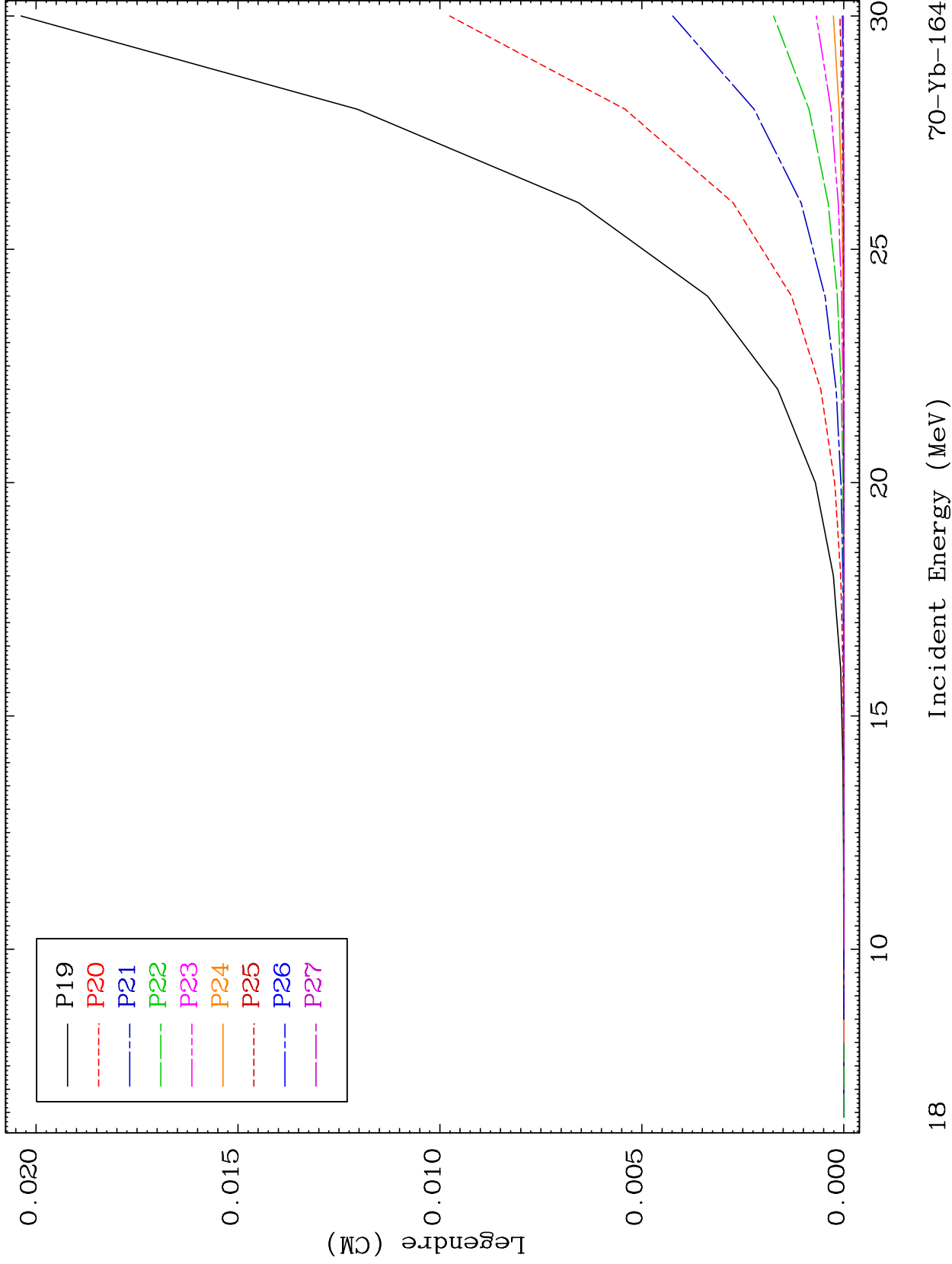




MAT 7013

Elastic
Legendre Coefficients

70-Yb-164

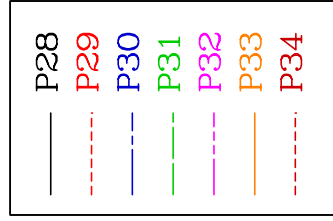


- P19
- P20
- P21
- P22
- P23
- P24
- P25
- P26
- P27

MAT 7013

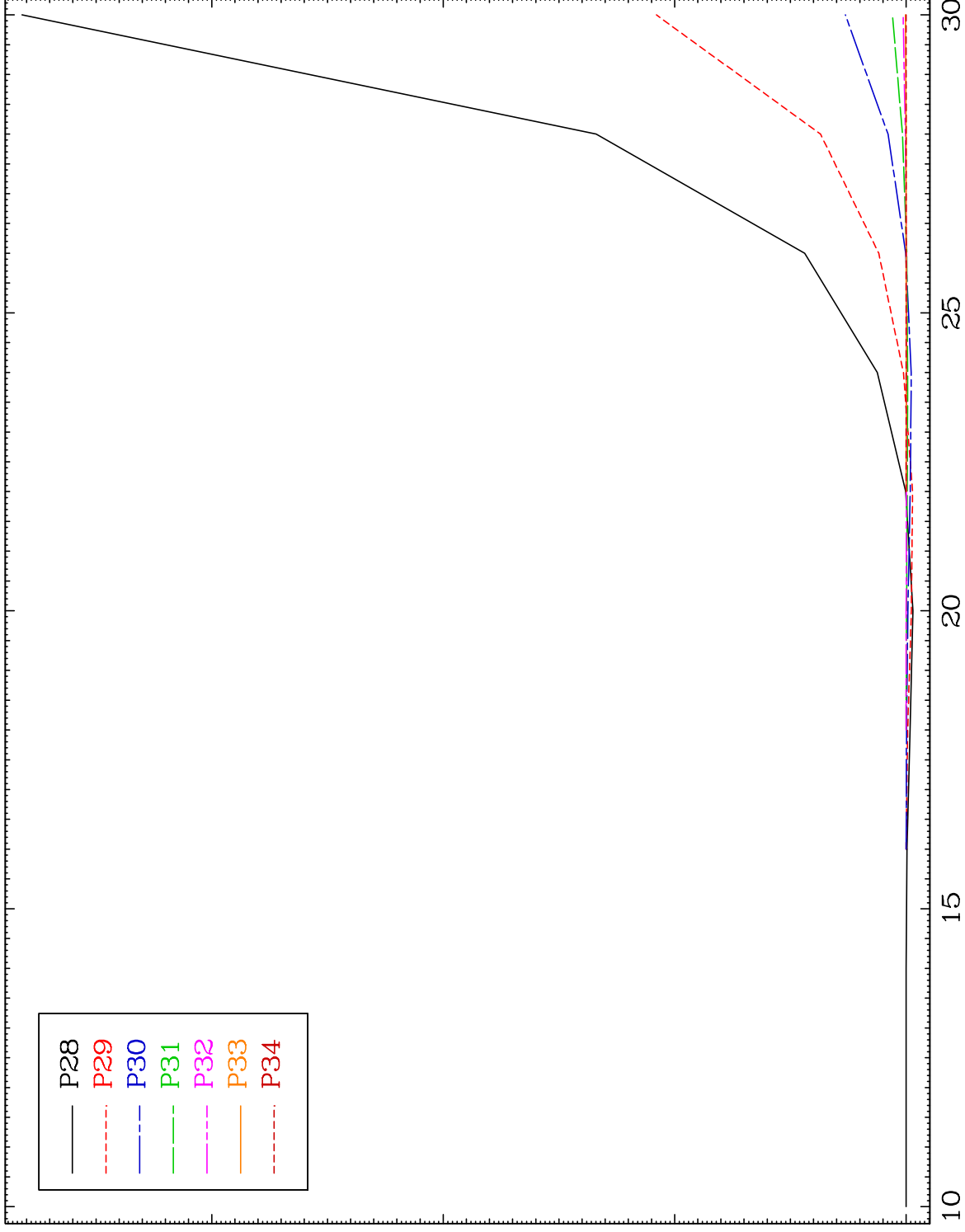
Elastic
Legendre Coefficients

70-Yb-164



$\times 10^{-6}$

Legendre (CM)



10

15

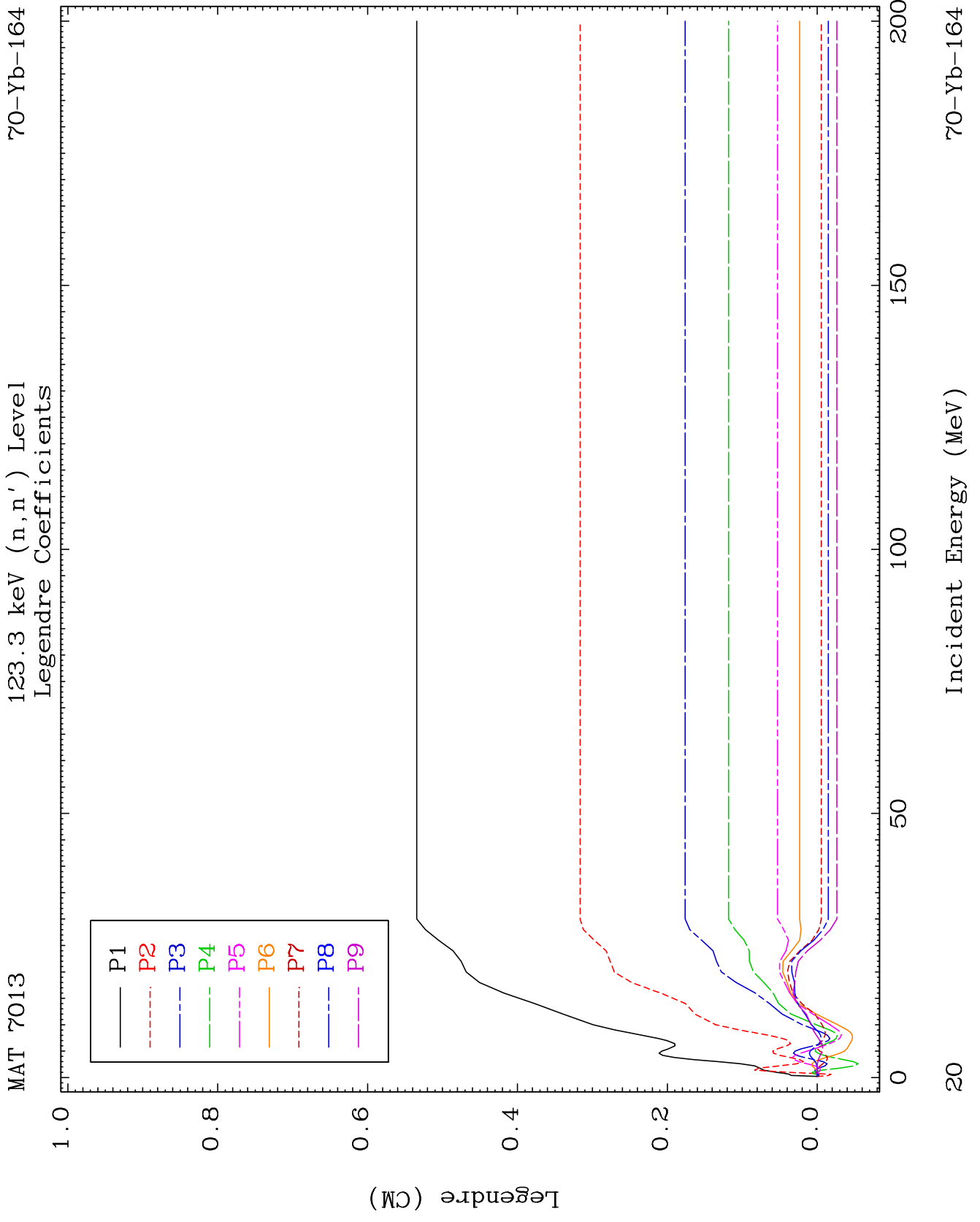
20

25

30

Incident Energy (MeV)

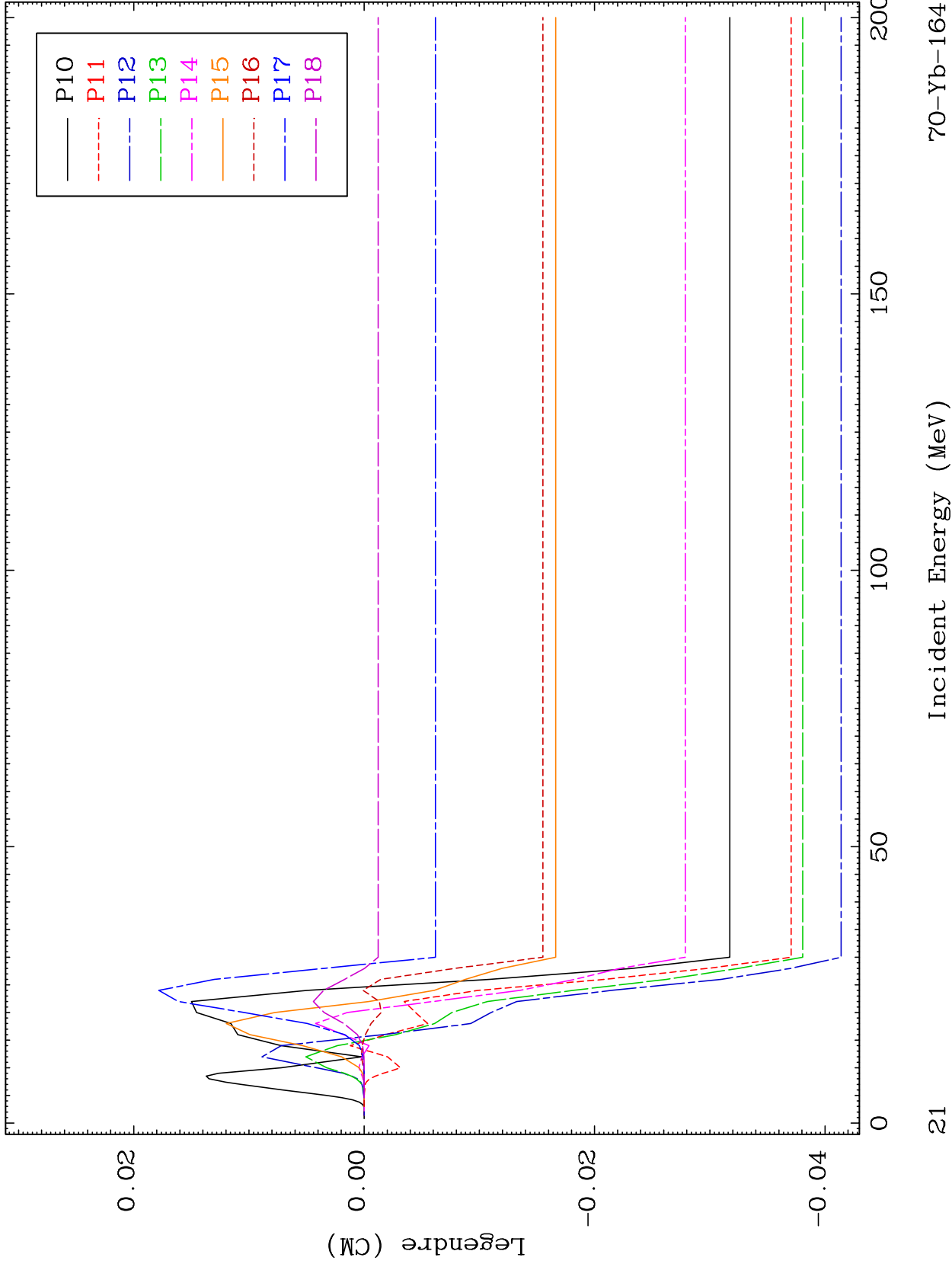
70-Yb-164

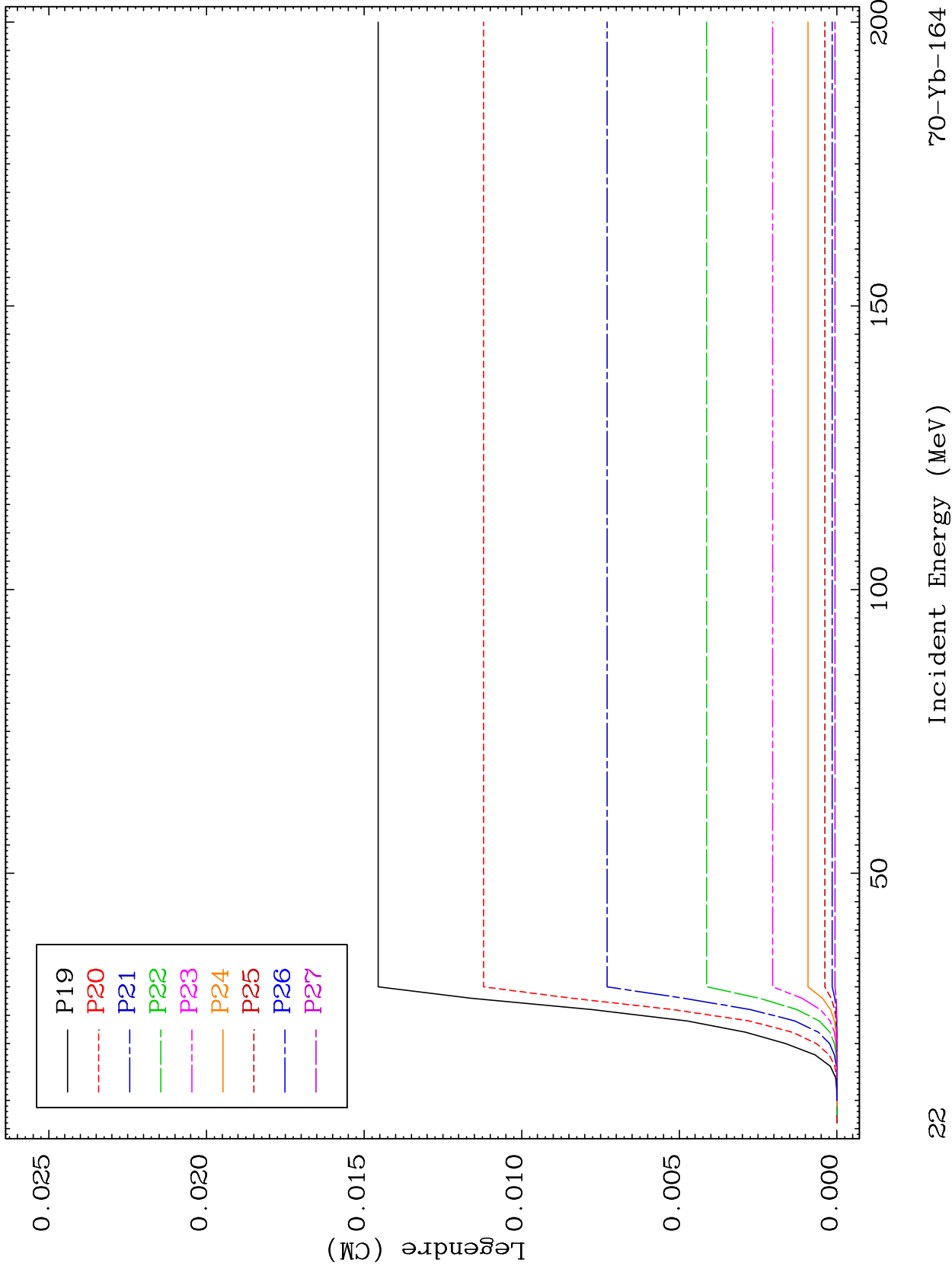


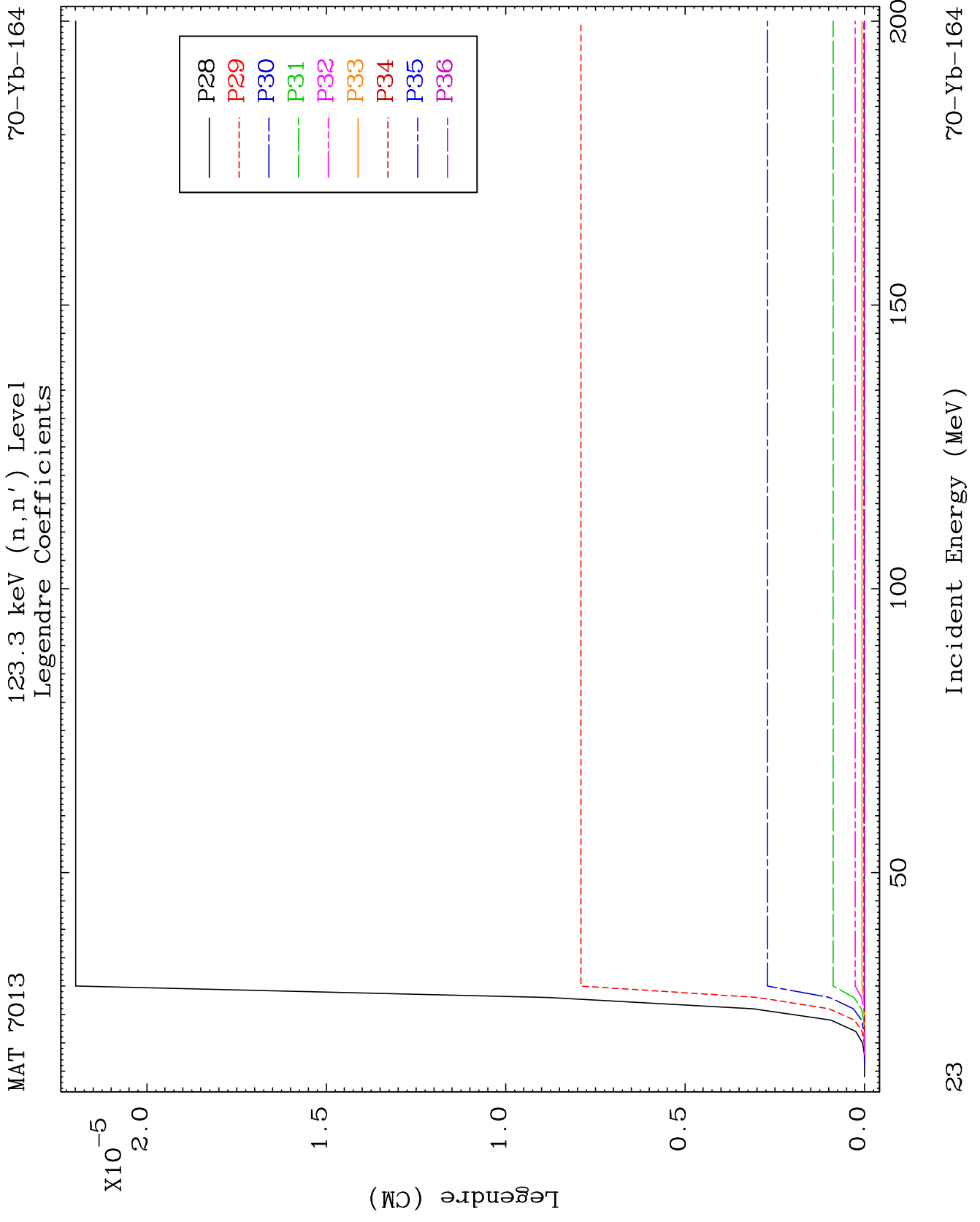
MAT 7013

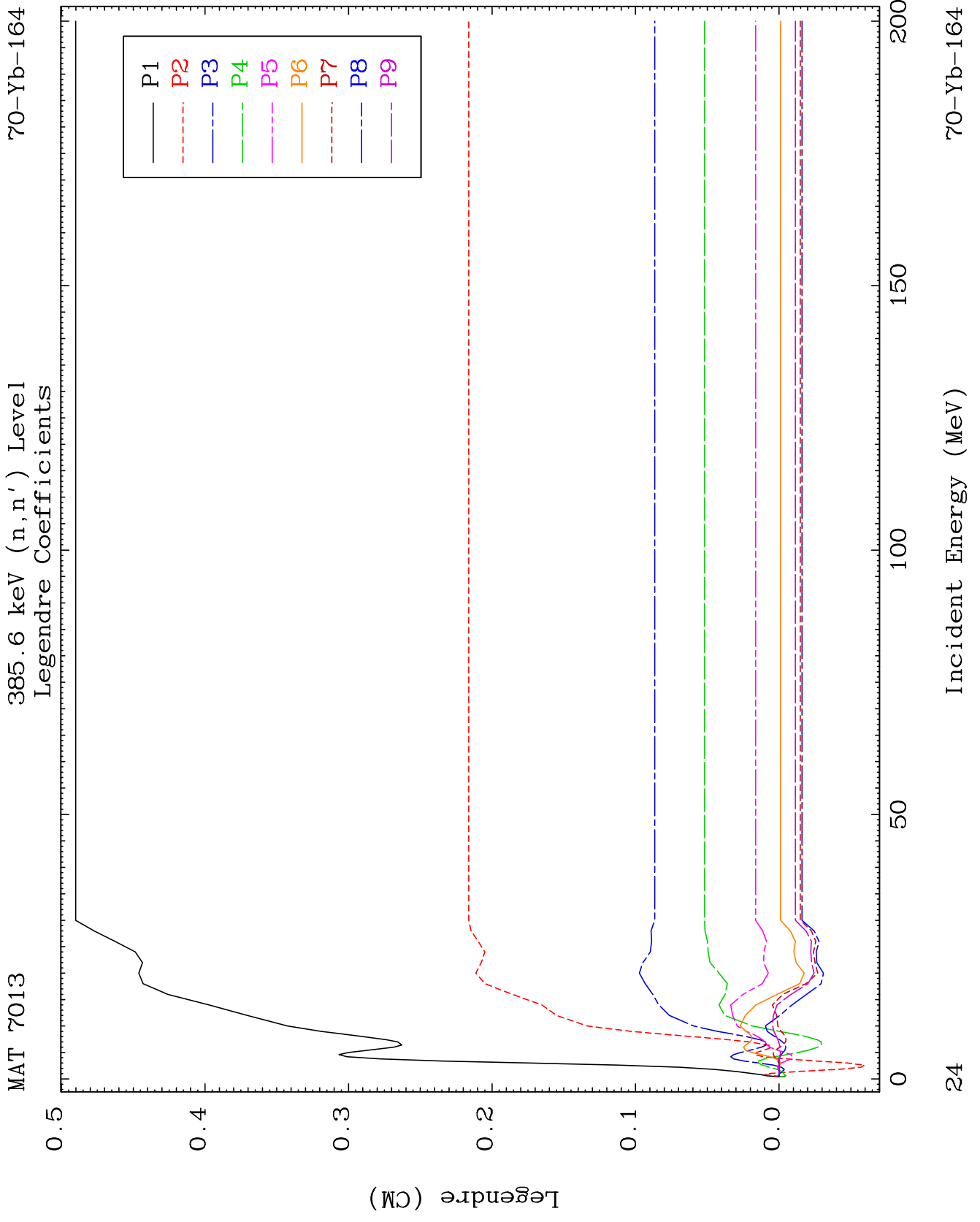
123.3 keV (n,n') Level
Legendre Coefficients

70-Yb-164





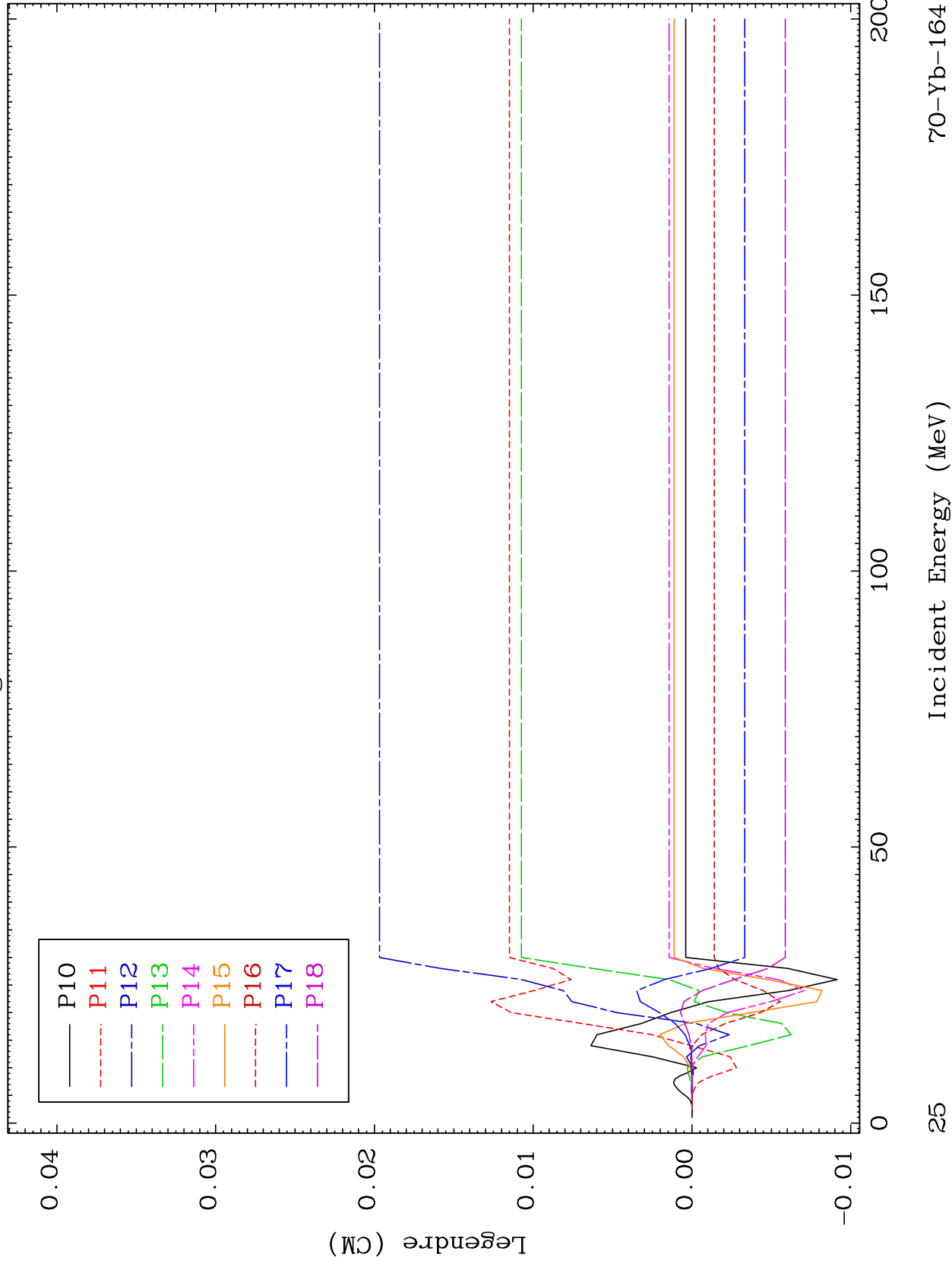




MAT 7013

385.6 keV (n, n') Level
Legendre Coefficients

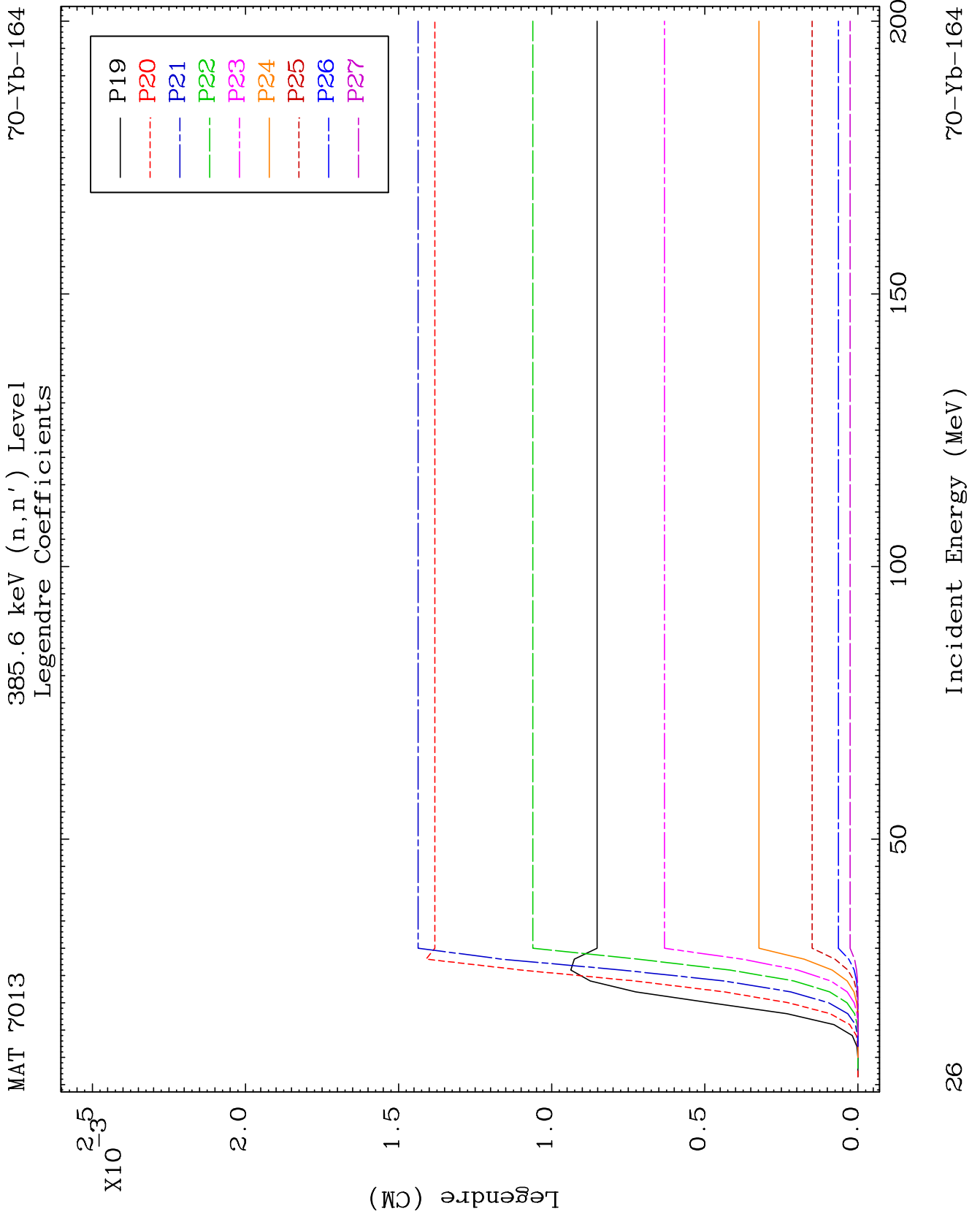
70-Yb-164



70-Yb-164

Incident Energy (MeV)

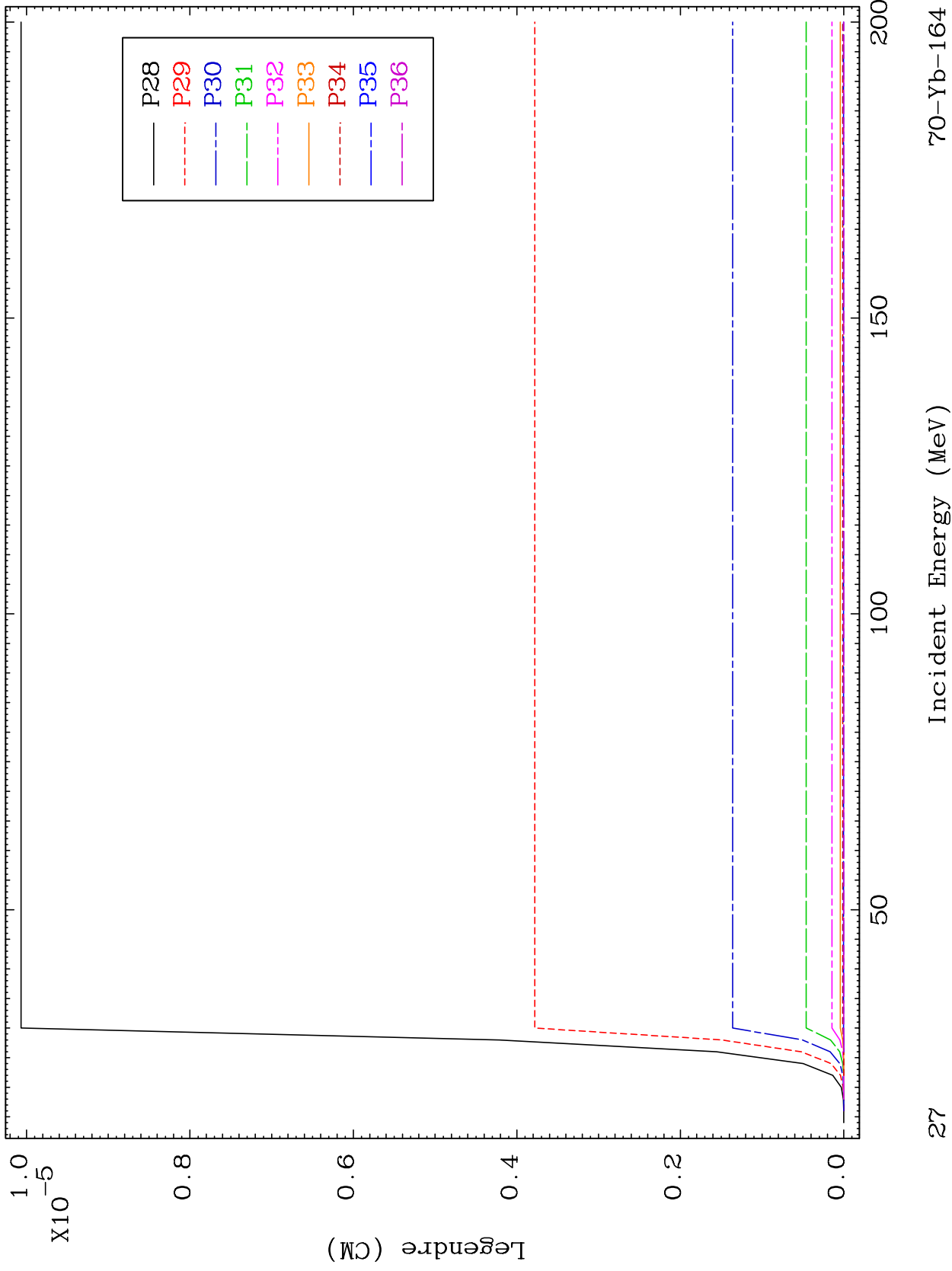
25



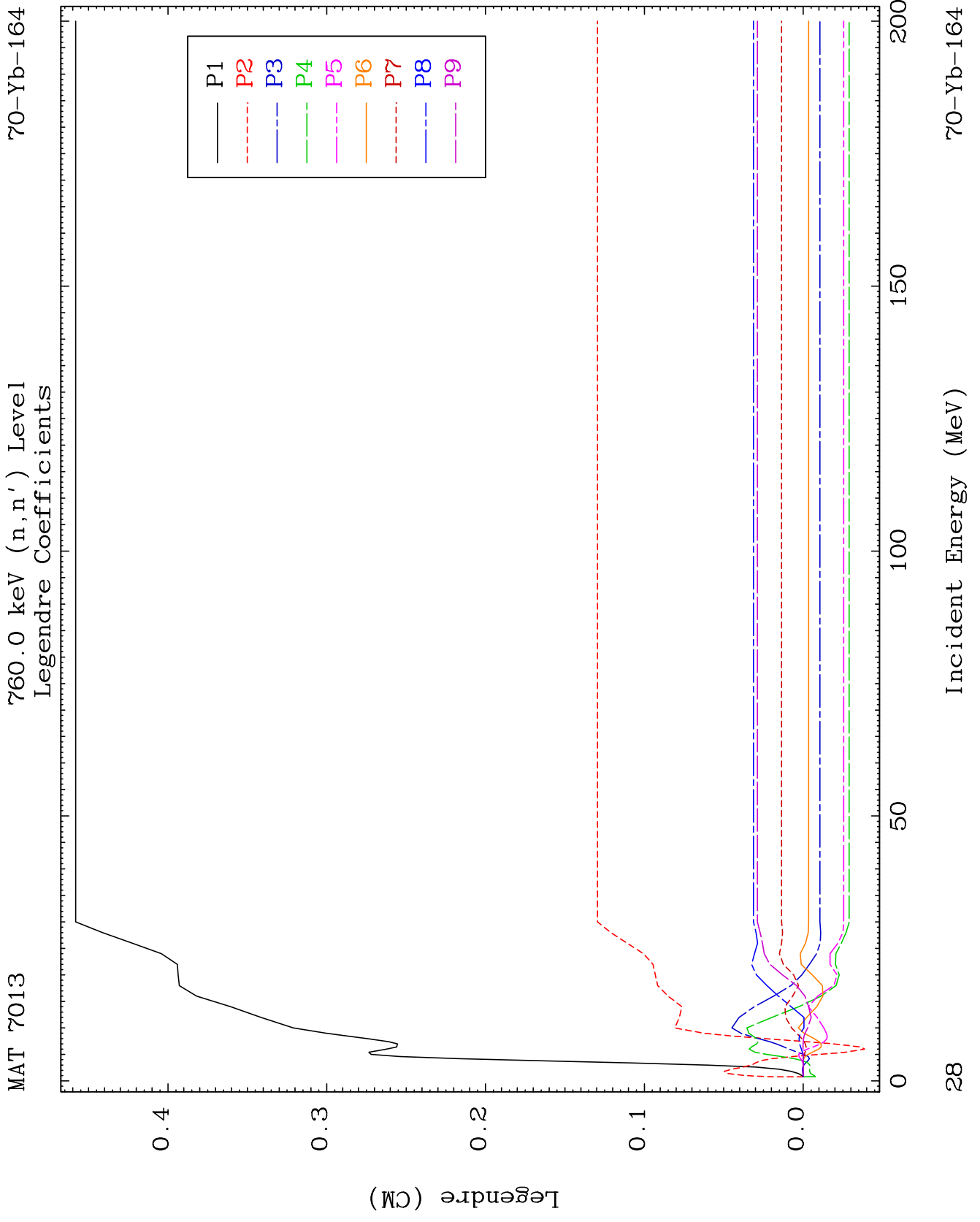
MAT 7013

385.6 keV (n, n') Level
Legendre Coefficients

70-Yb-164



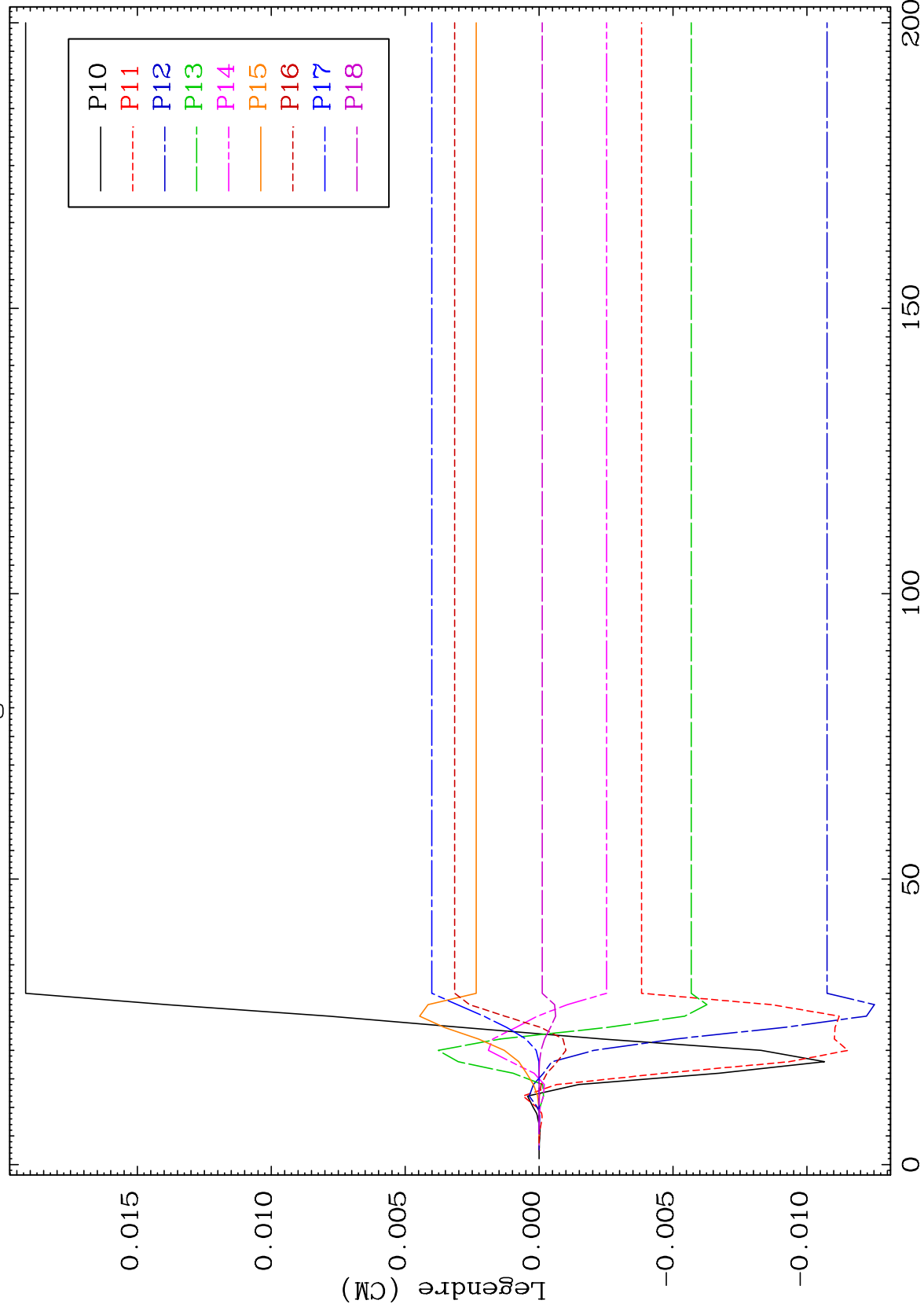
27



MAT 7013

760.0 keV (n,n') Level
Legendre Coefficients

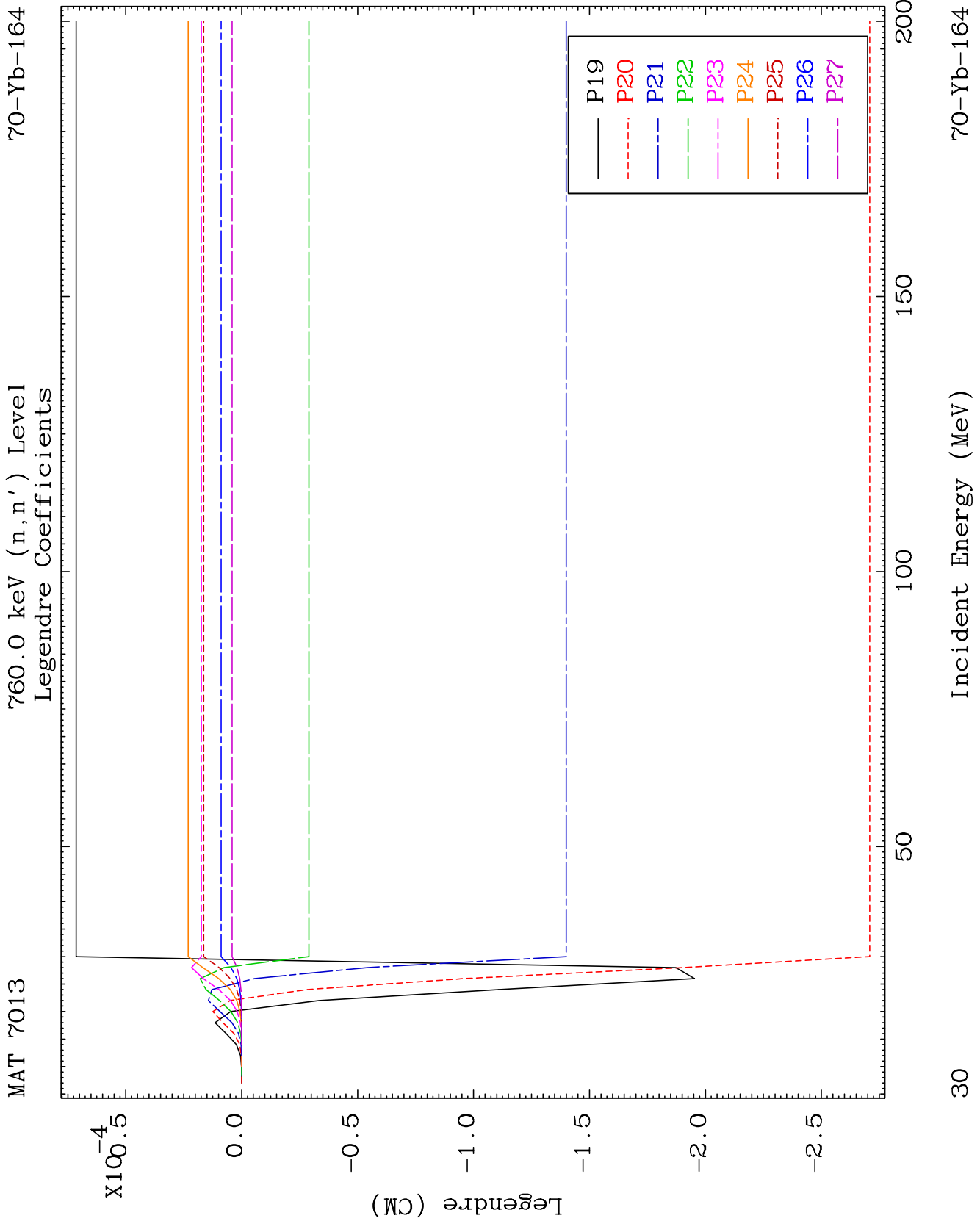
70-Yb-164

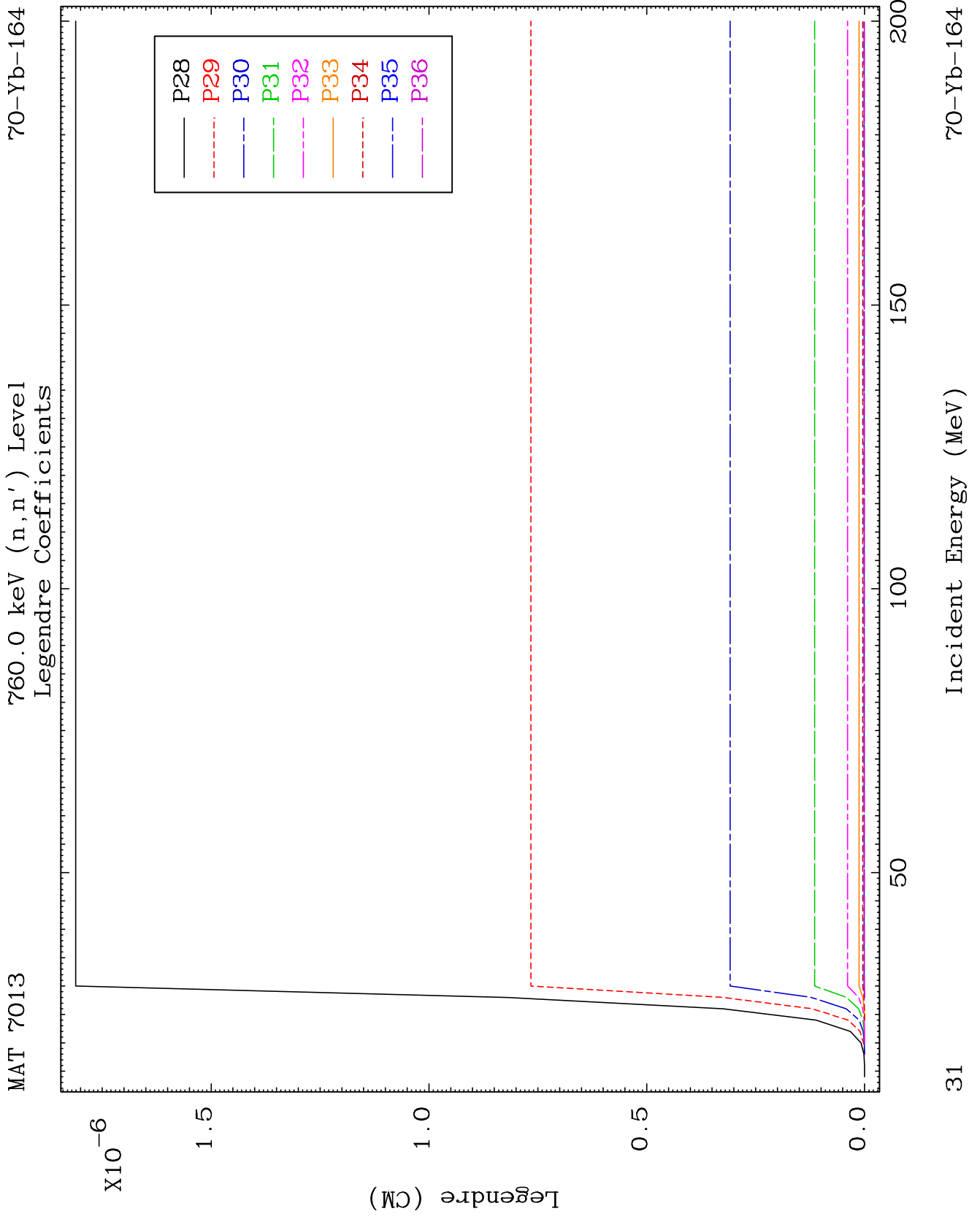


29

Incident Energy (MeV)

70-Yb-164

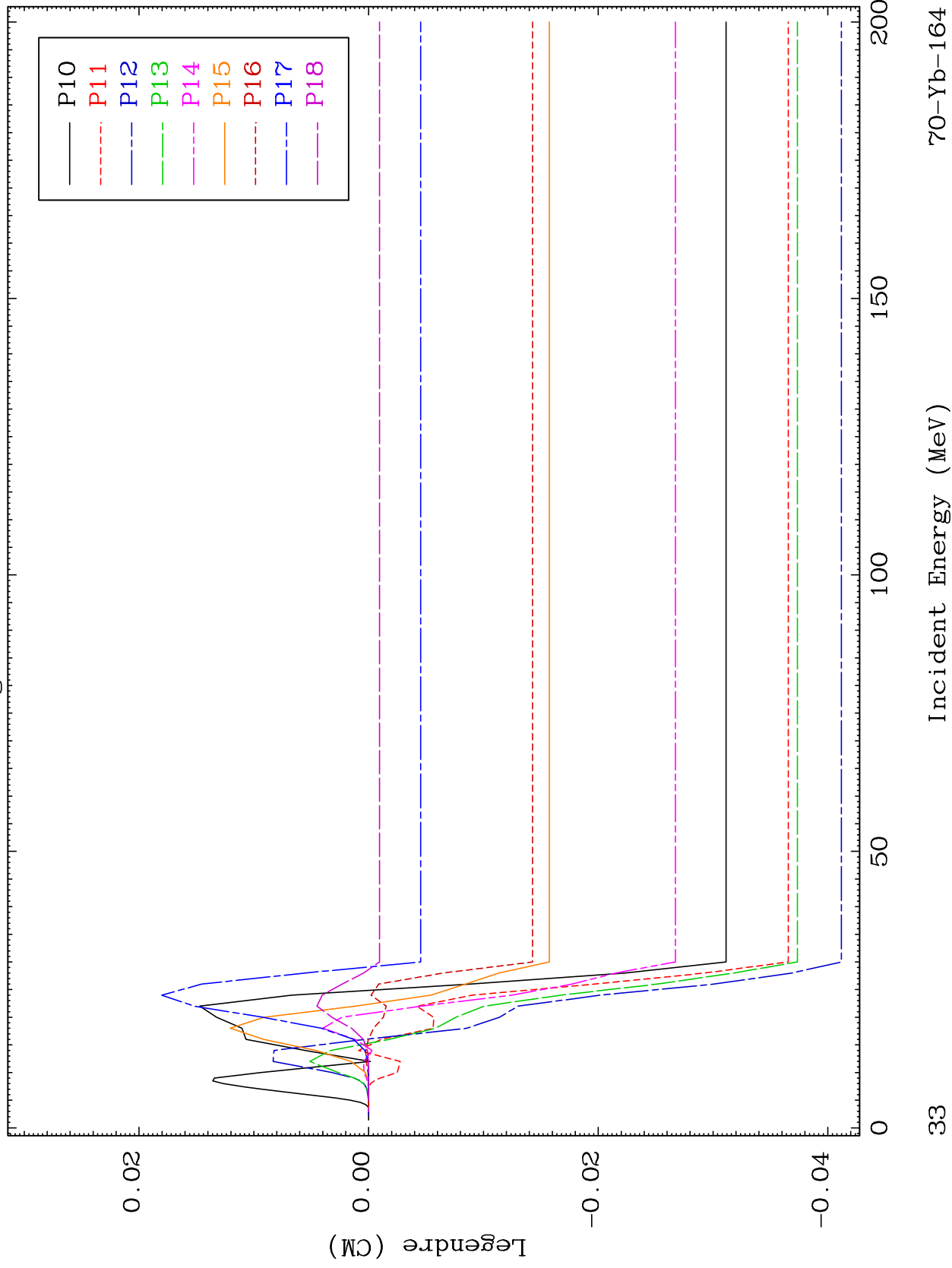




MAT 7013

863.9 keV (n,n') Level
Legendre Coefficients

70-Yb-164



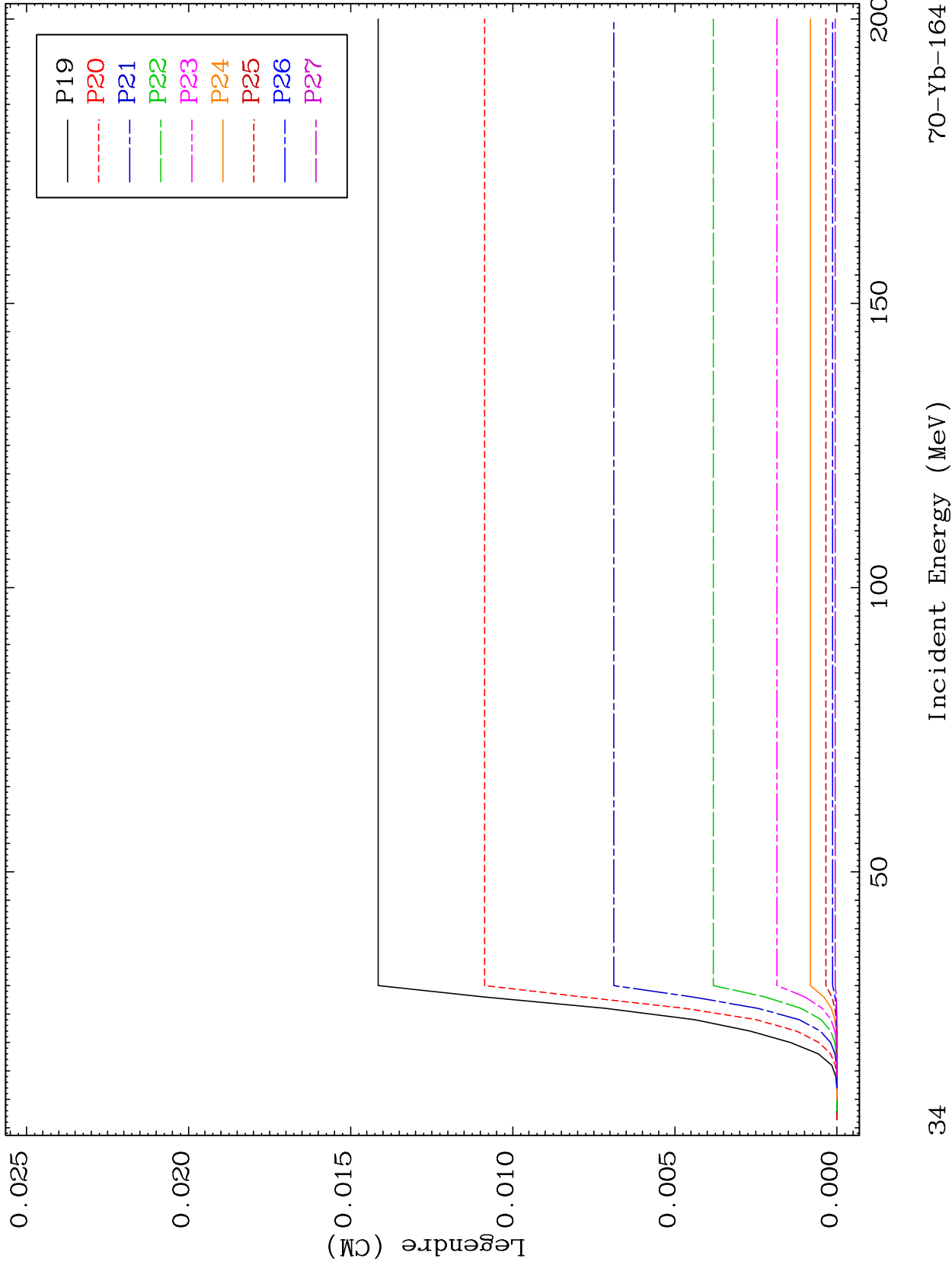
33

70-Yb-164

MAT 7013

863.9 keV (n,n') Level
Legendre Coefficients

70-Yb-164



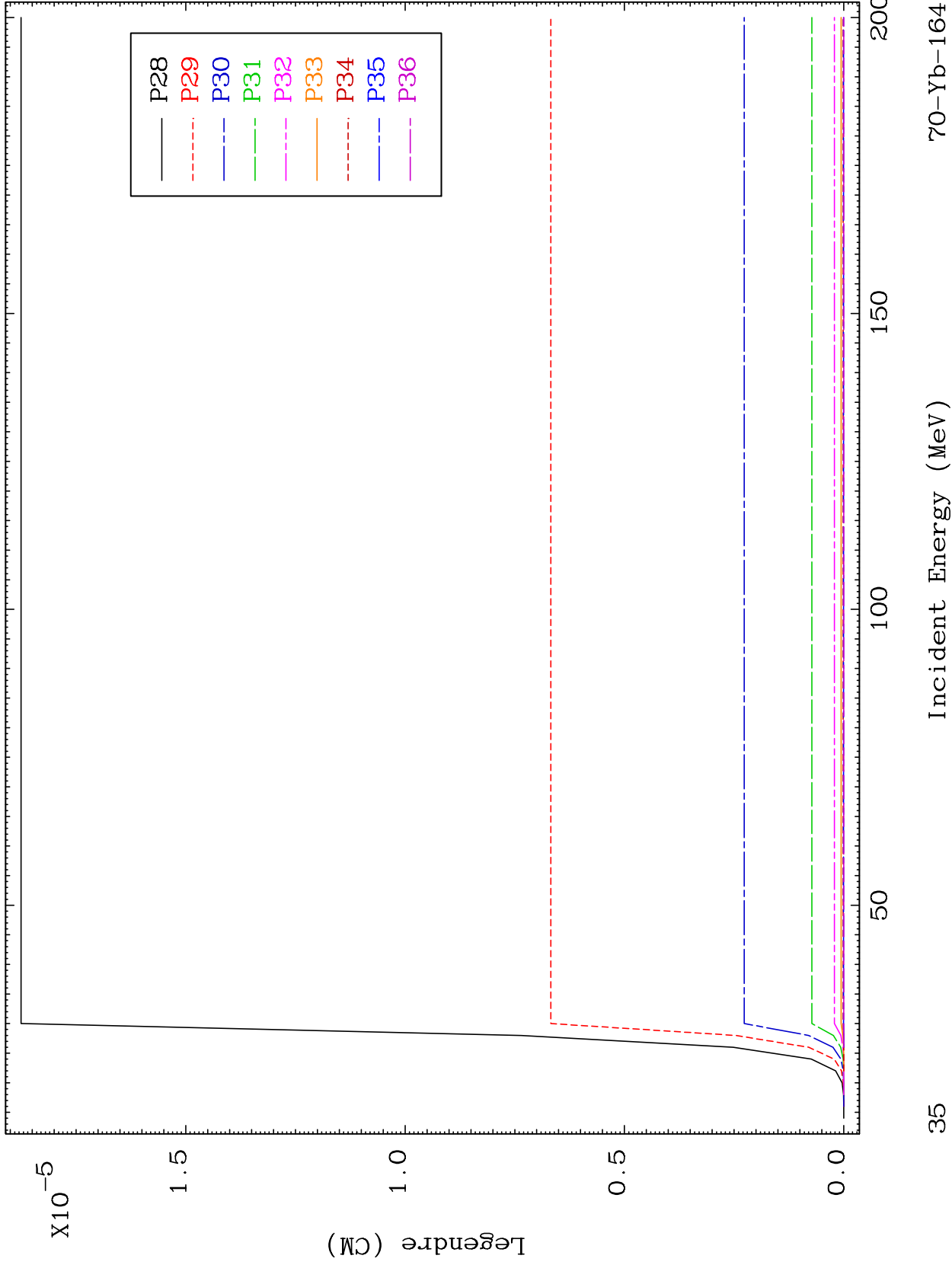
34

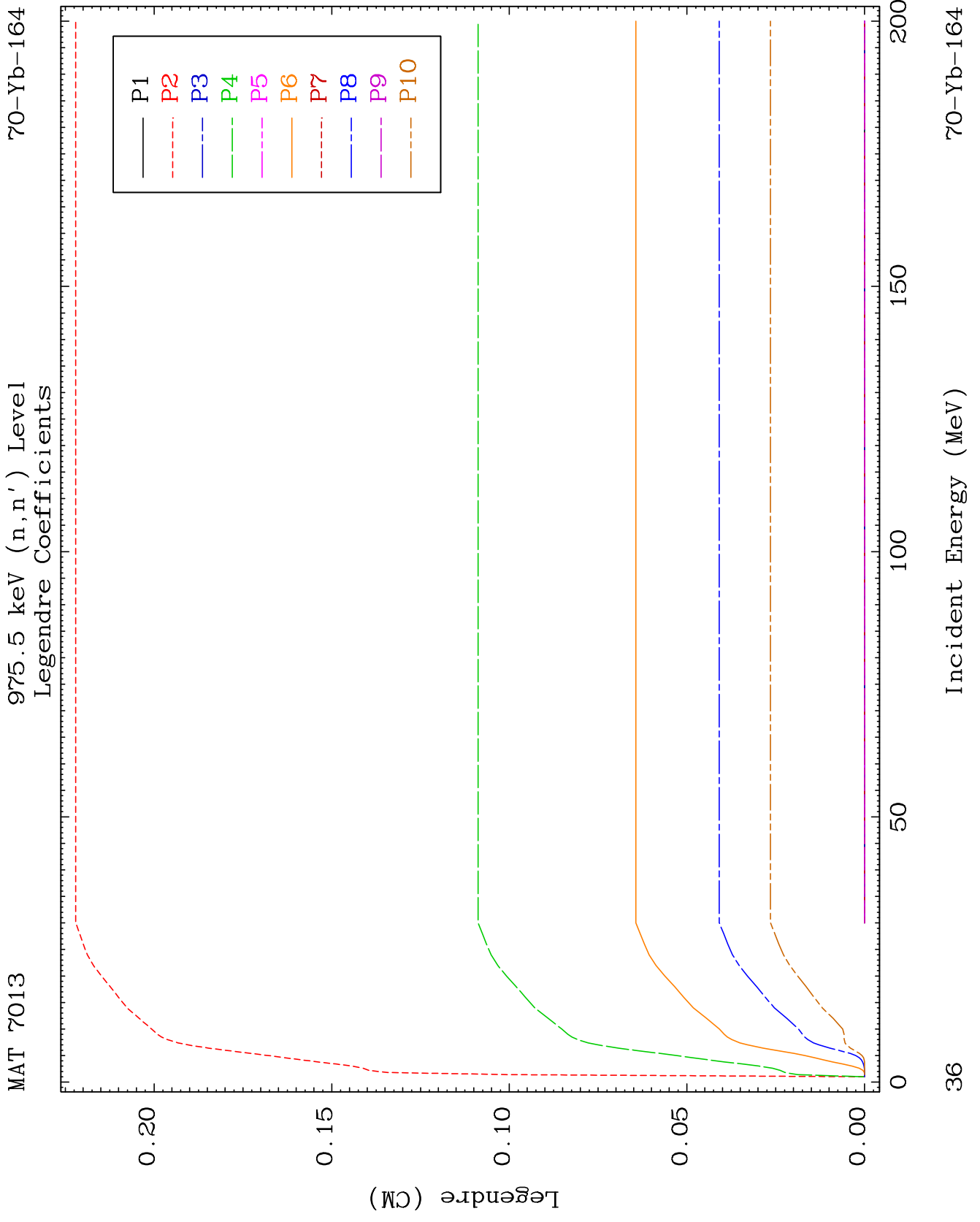
70-Yb-164

MAT 7013

863.9 keV (n,n') Level
Legendre Coefficients

70-Yb-164

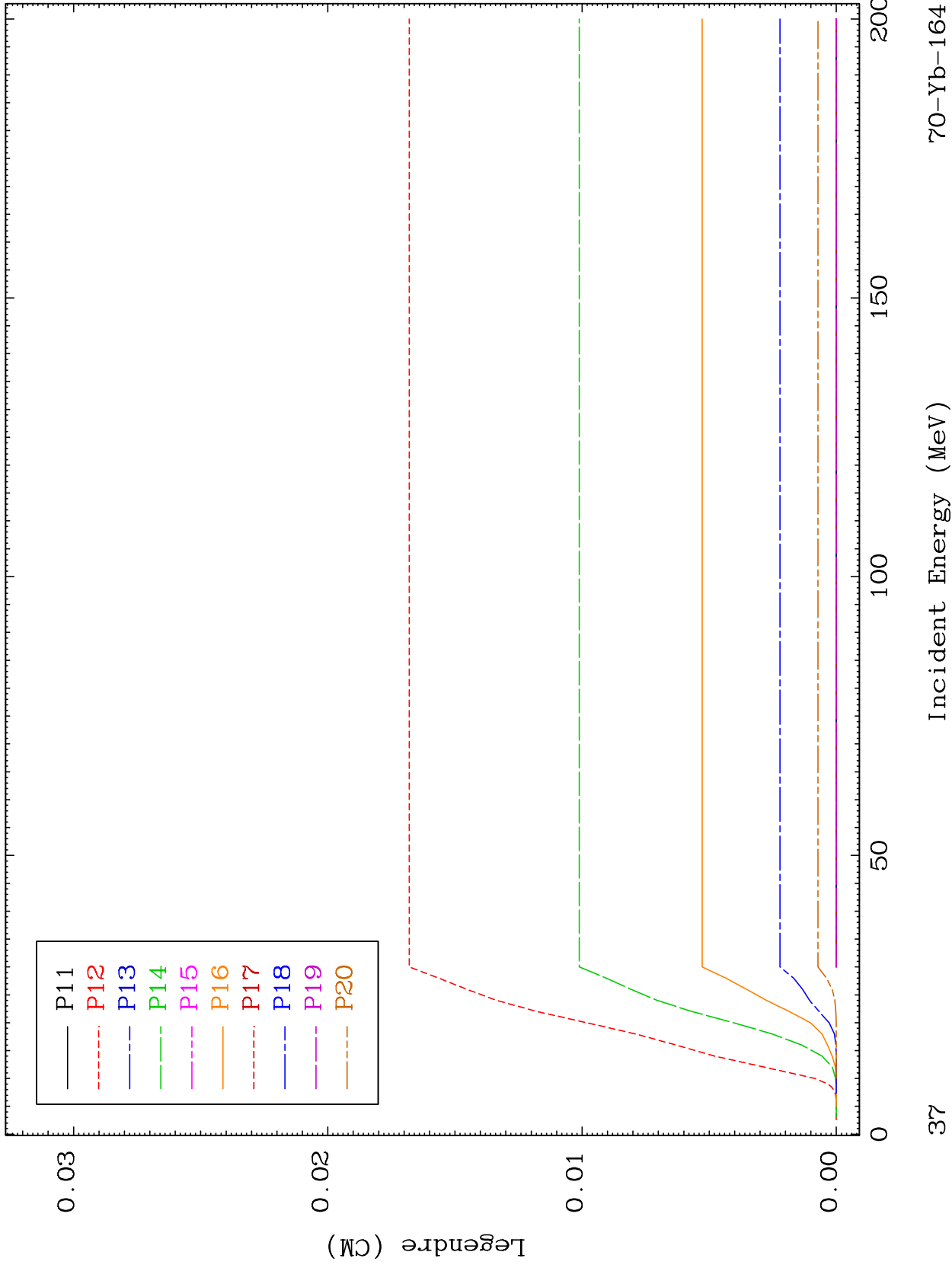




MAT 7013

975.5 keV (n,n') Level
Legendre Coefficients

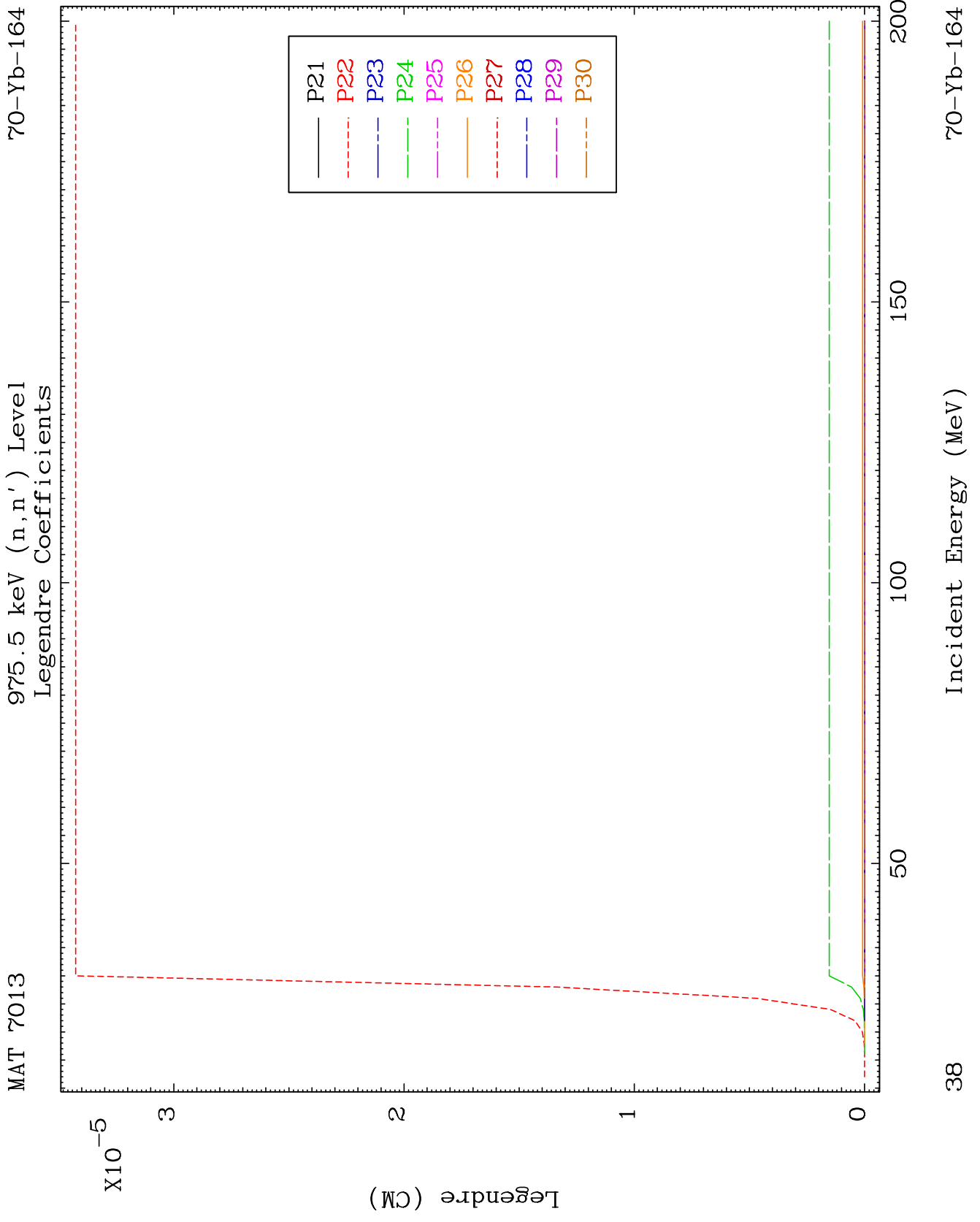
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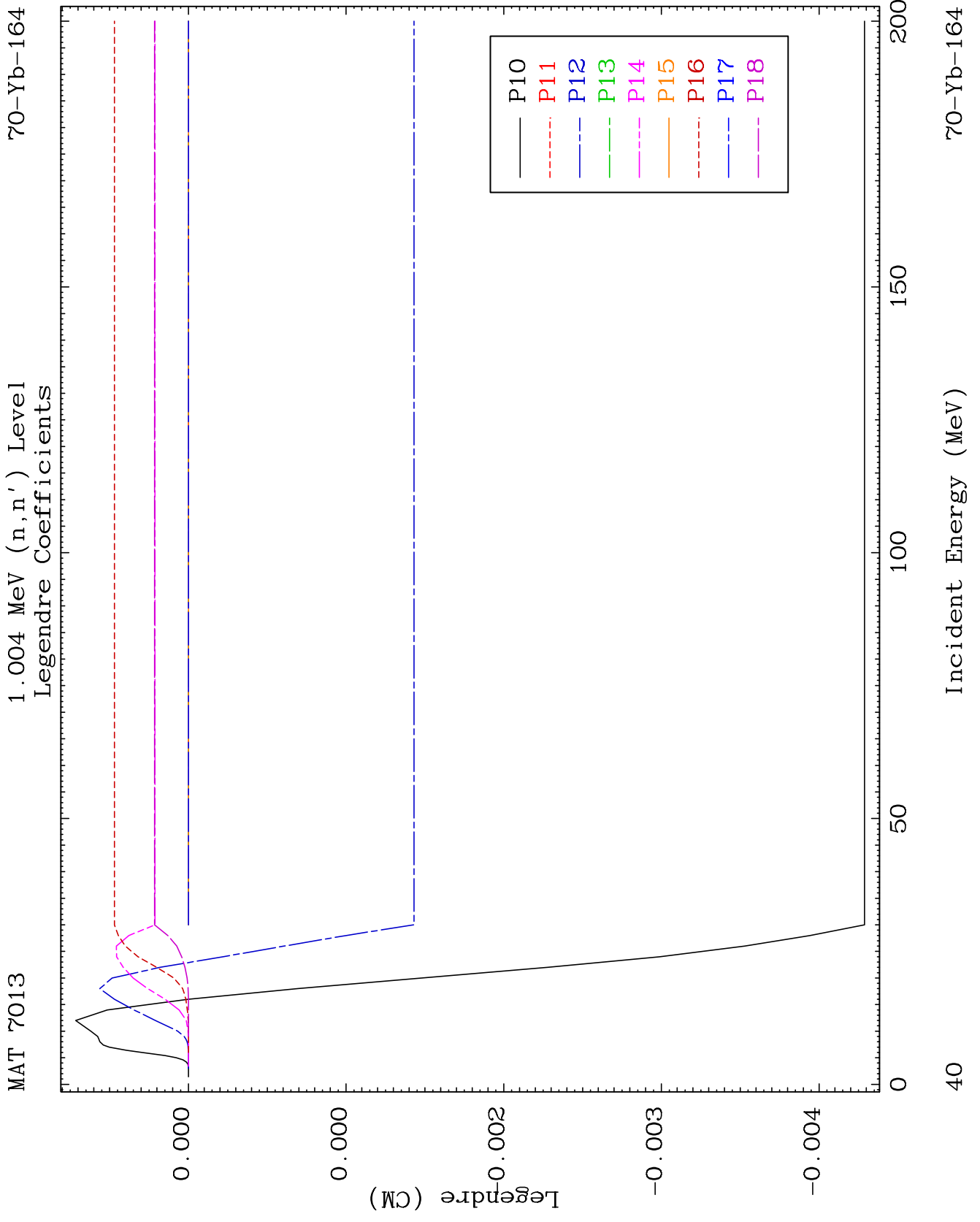


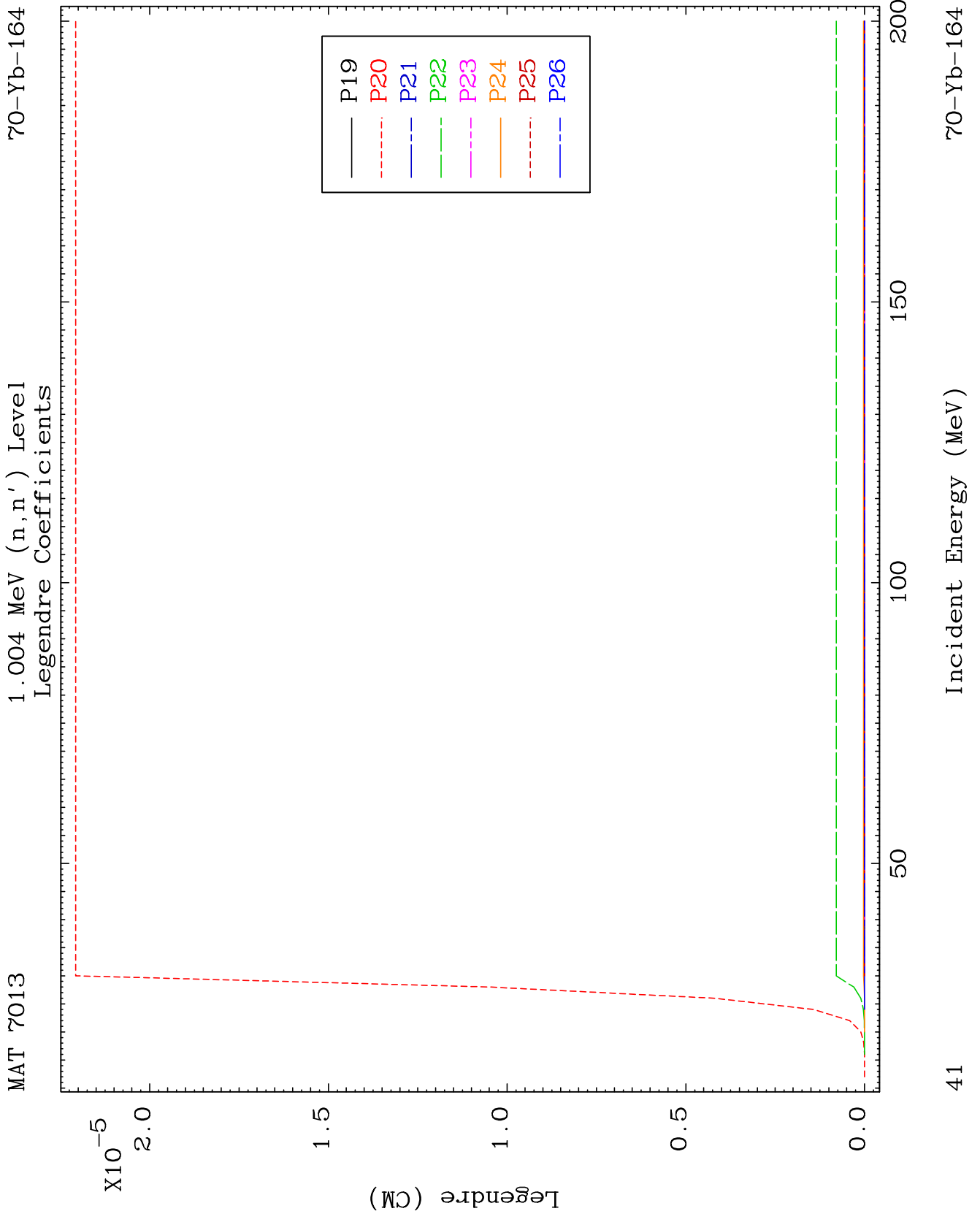
70-Yb-164

Incident Energy (MeV)

37



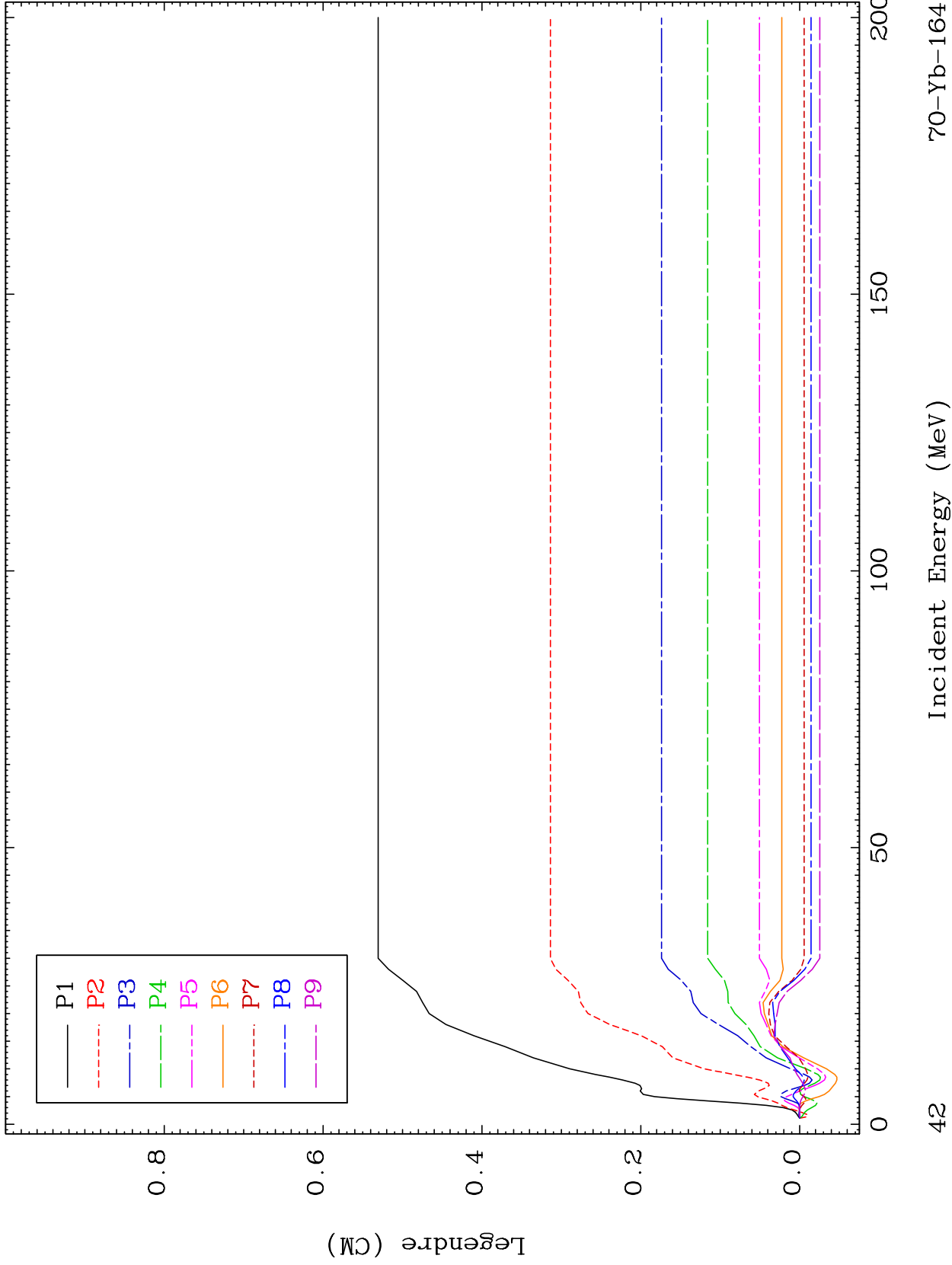




MAT 7013

1.073 MeV (n,n') Level
Legendre Coefficients

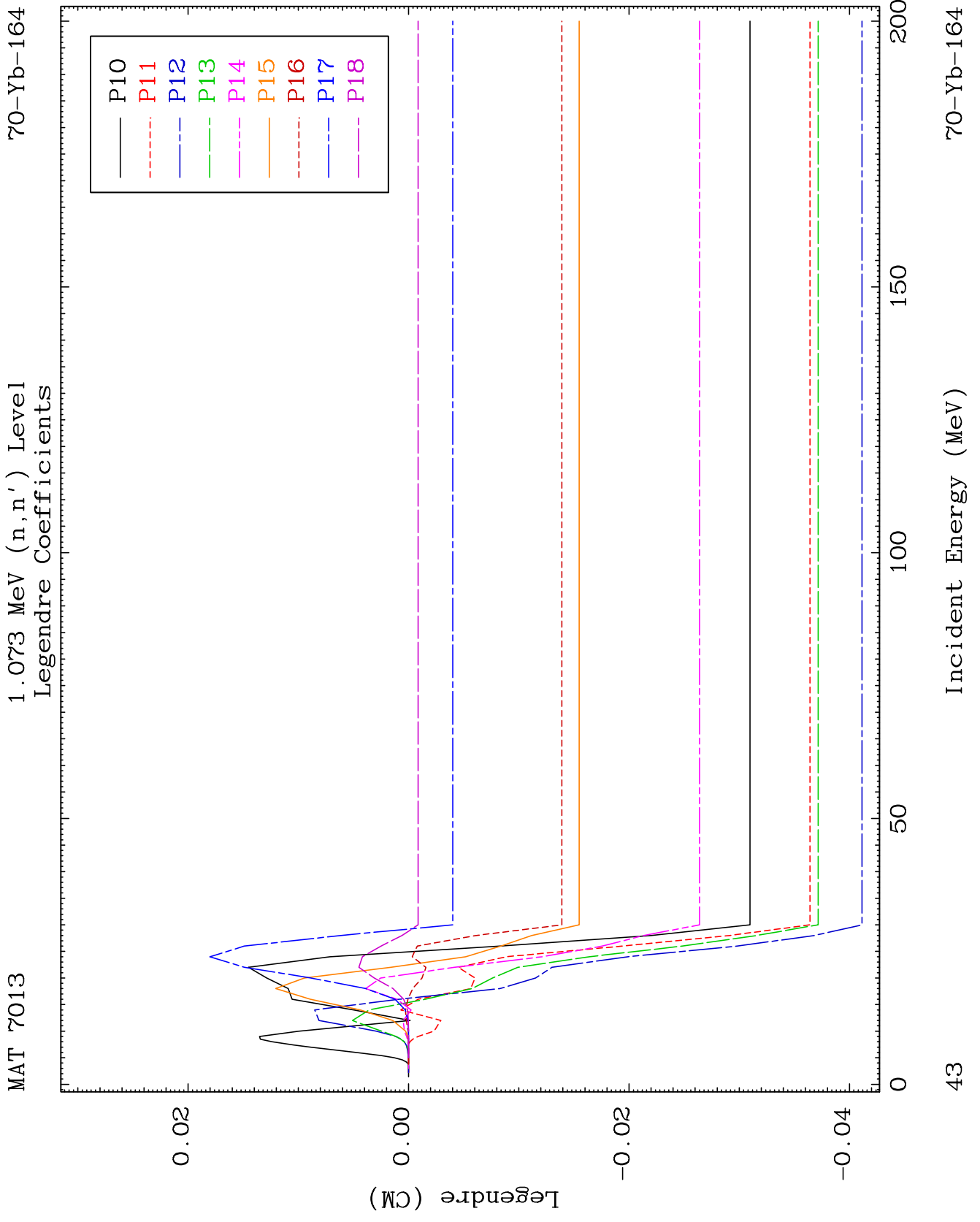
70-Yb-164

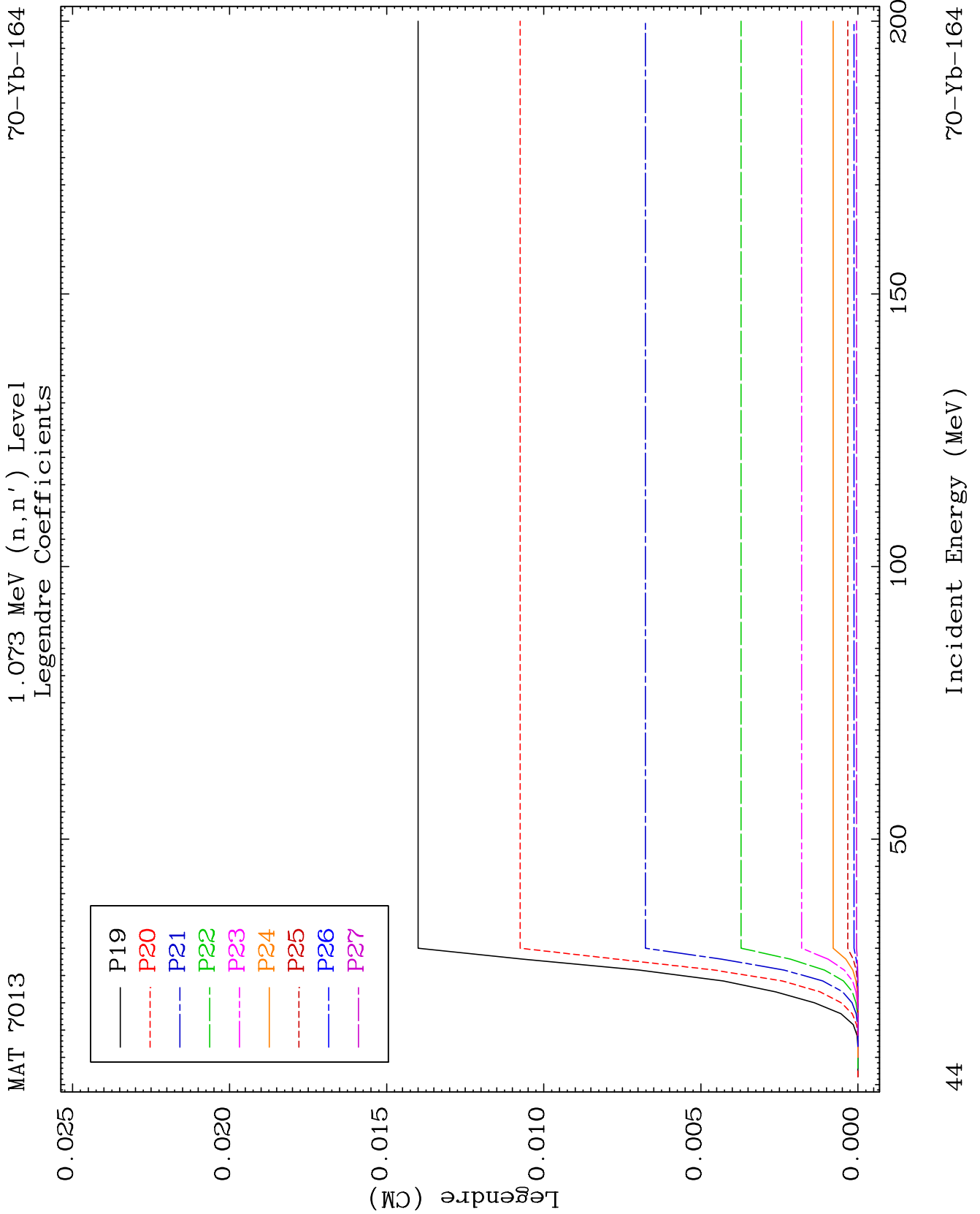


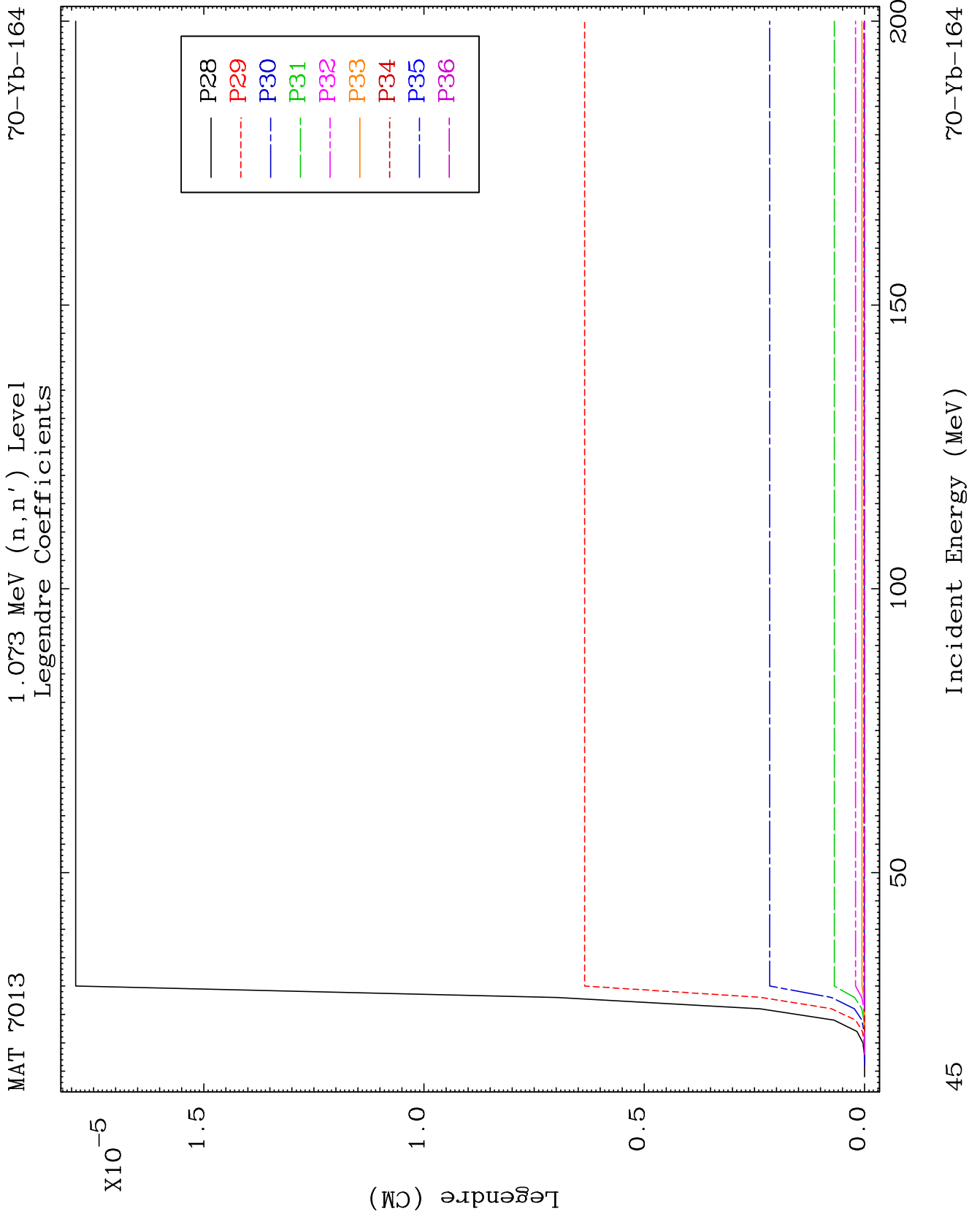
70-Yb-164

Incident Energy (MeV)

42



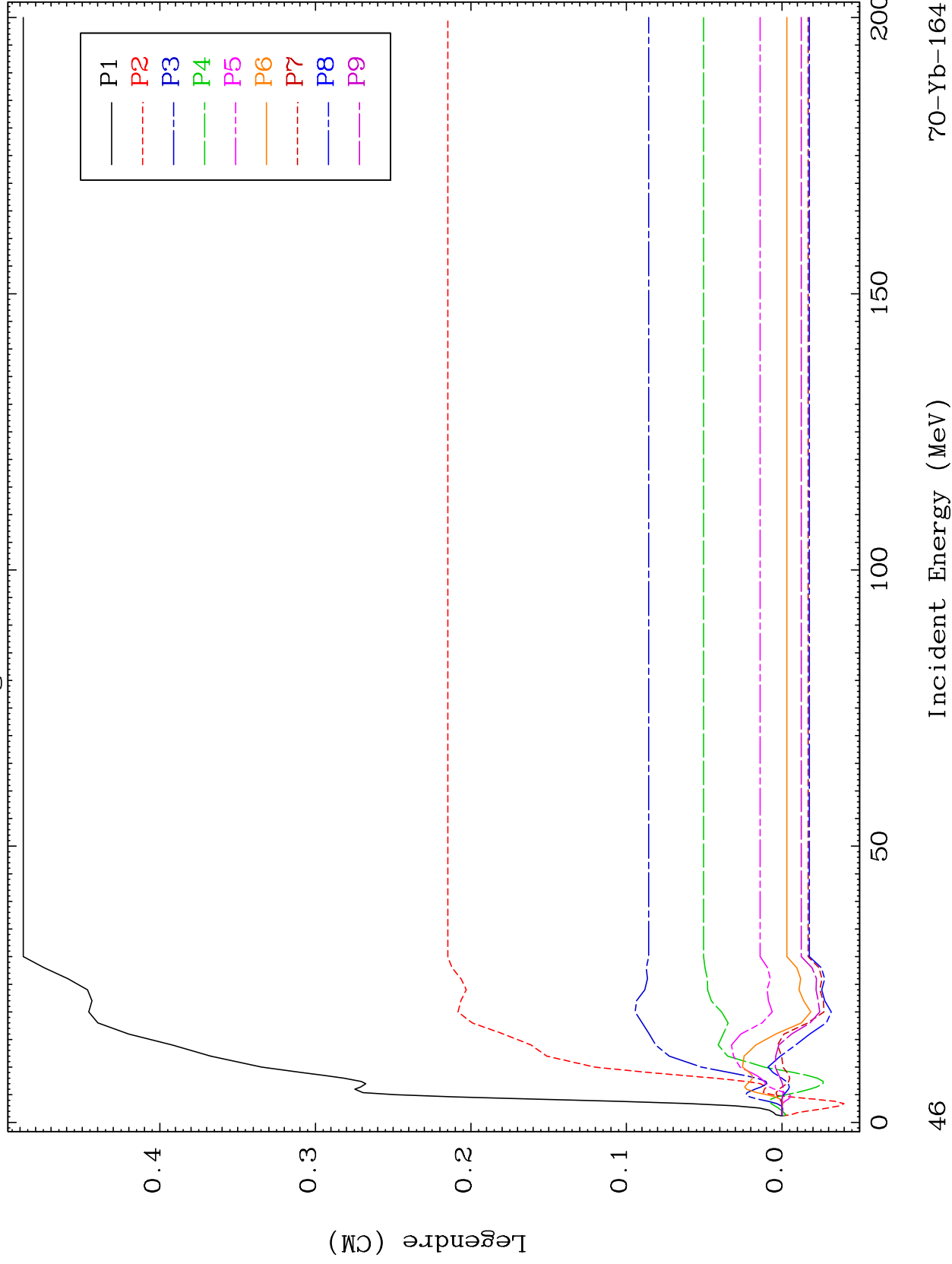




MAT 7013

1.144 MeV (n,n') Level
Legendre Coefficients

70-Yb-164



70-Yb-164

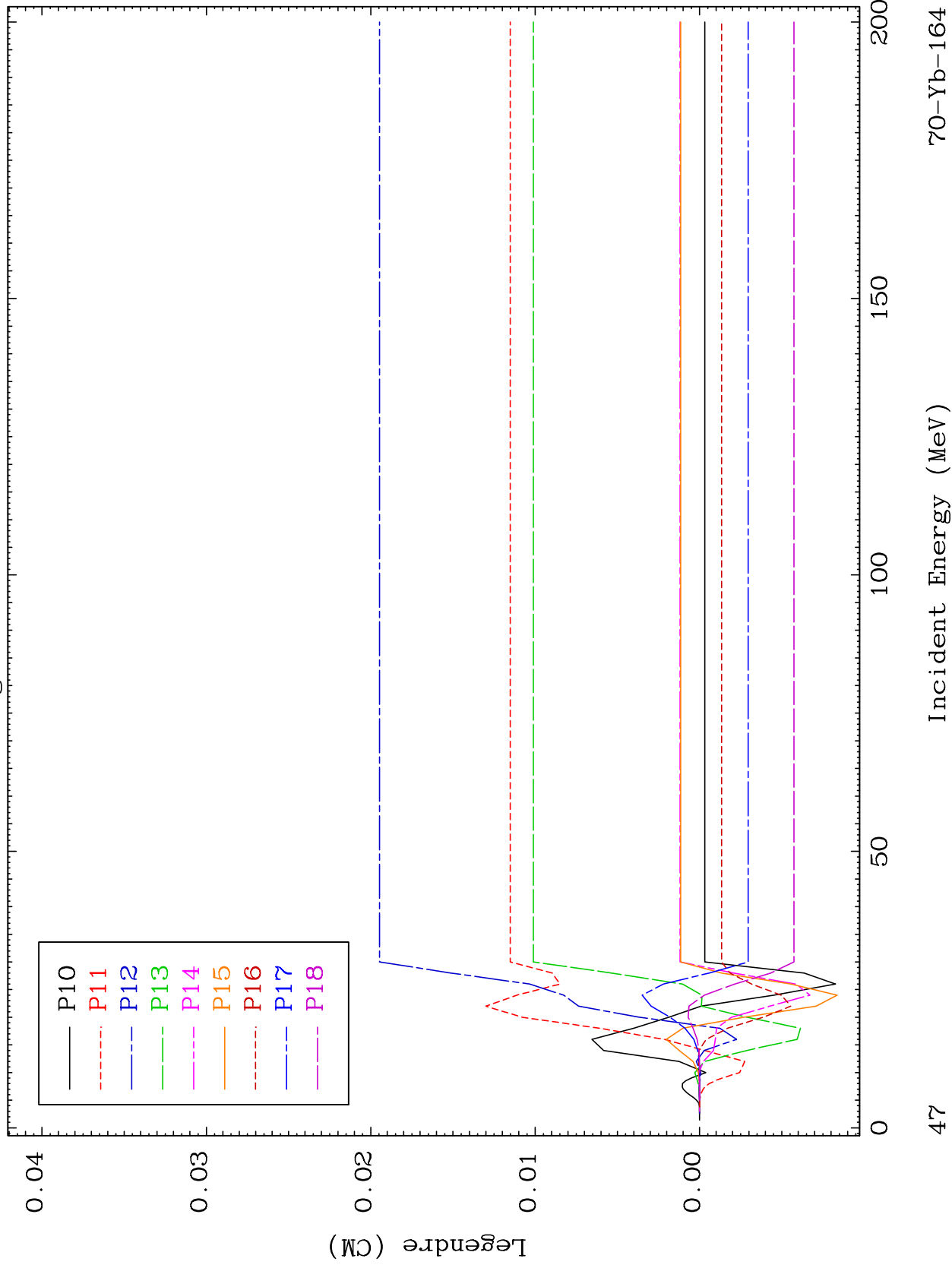
Incident Energy (MeV)

46

MAT 7013

1.144 MeV (n,n') Level
Legendre Coefficients

70-Yb-164



47

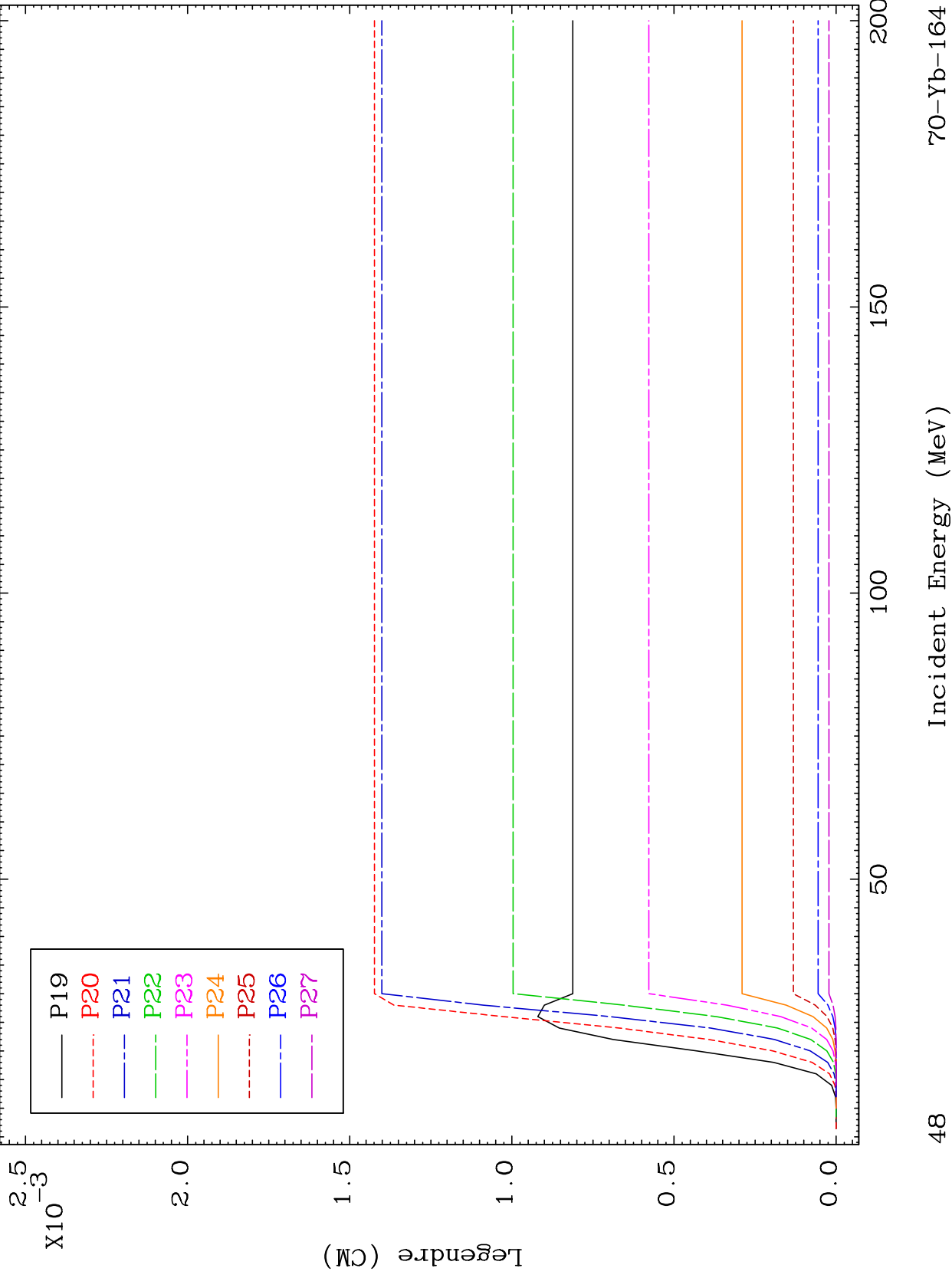
Incident Energy (MeV)

70-Yb-164

MAT 7013

1.144 MeV (n, n') Level
Legendre Coefficients

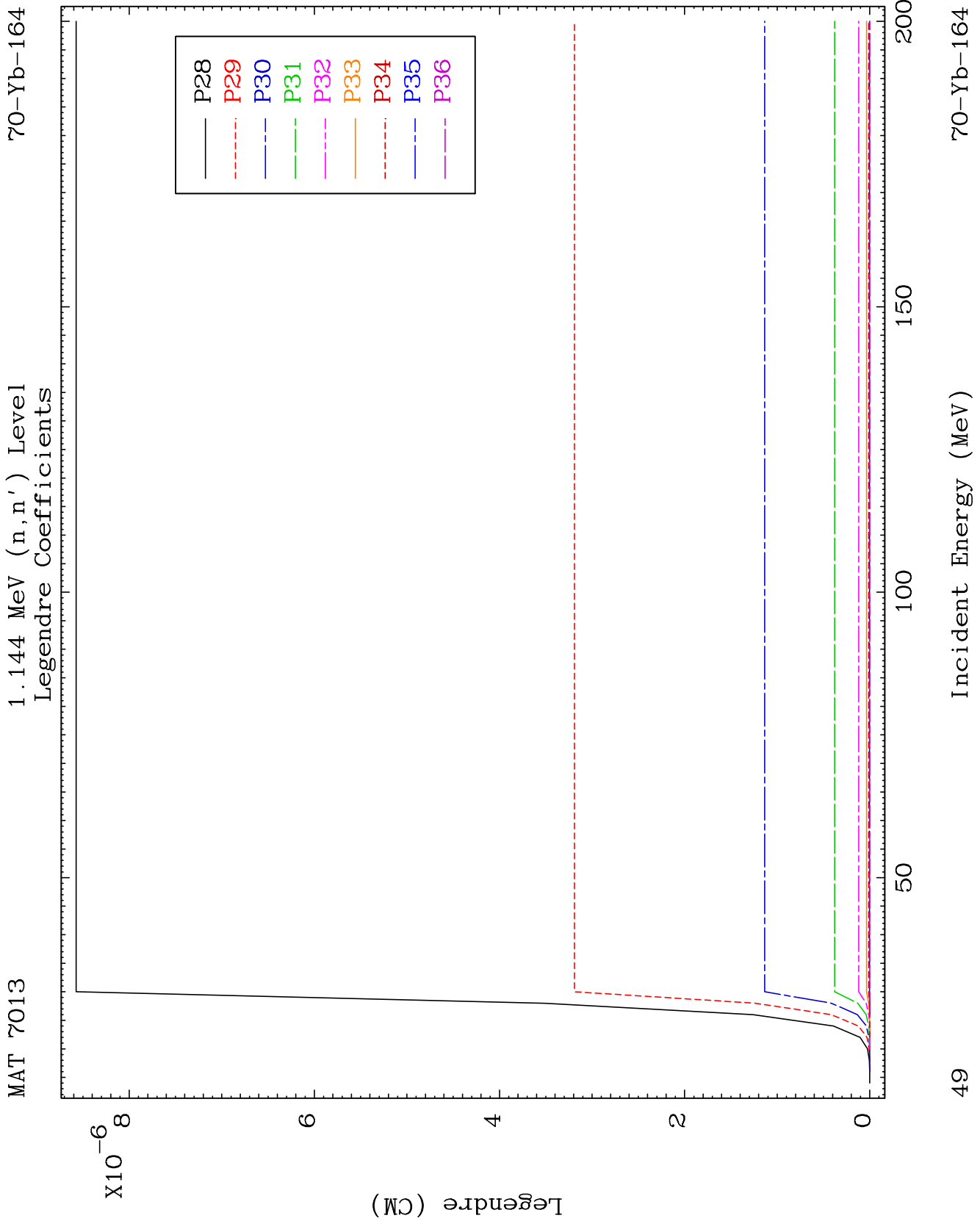
70-Yb-164



48

Incident Energy (MeV)

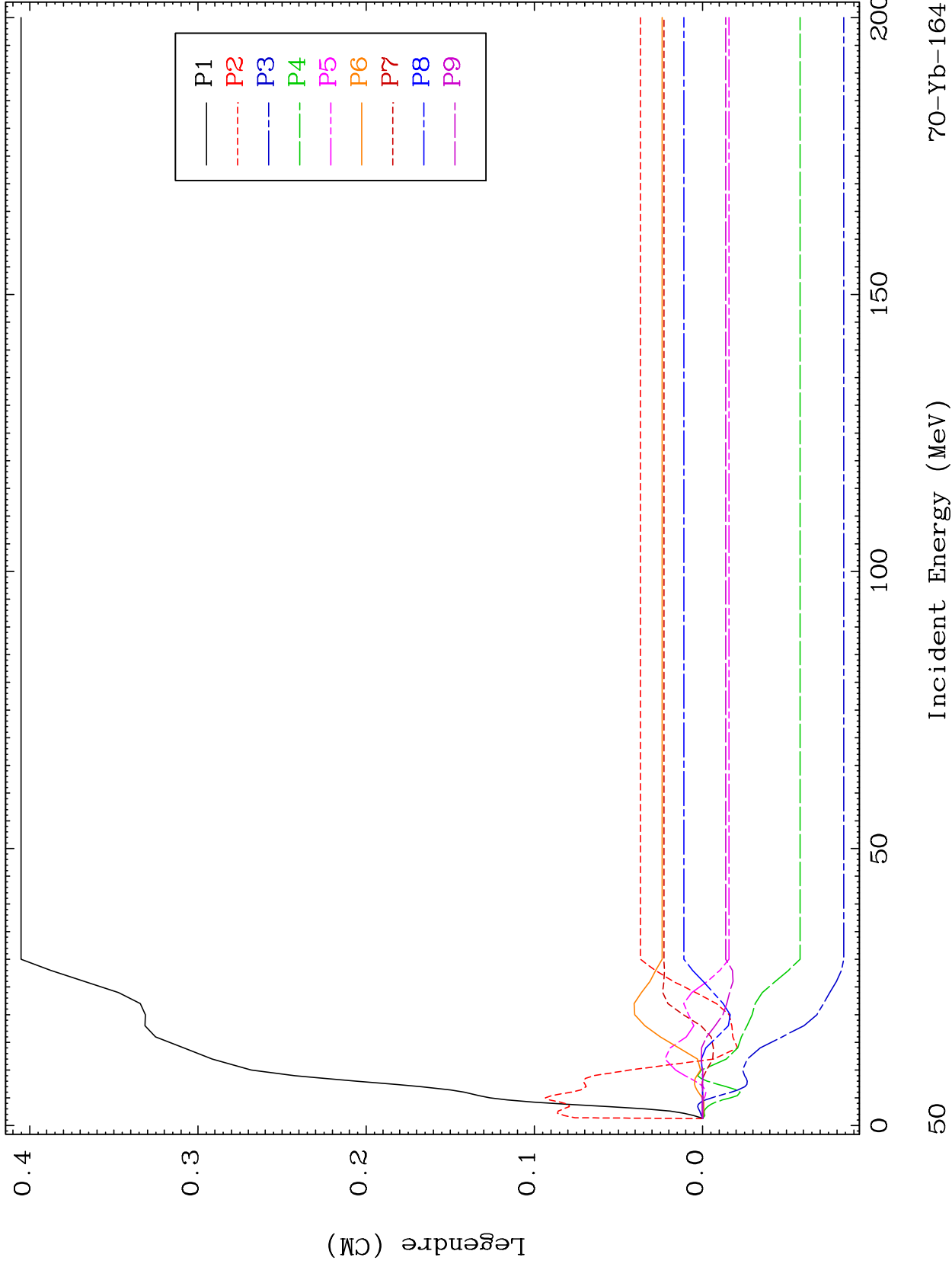
70-Yb-164



MAT 7013

1.223 MeV (n,n') Level
Legendre Coefficients

70-Yb-164

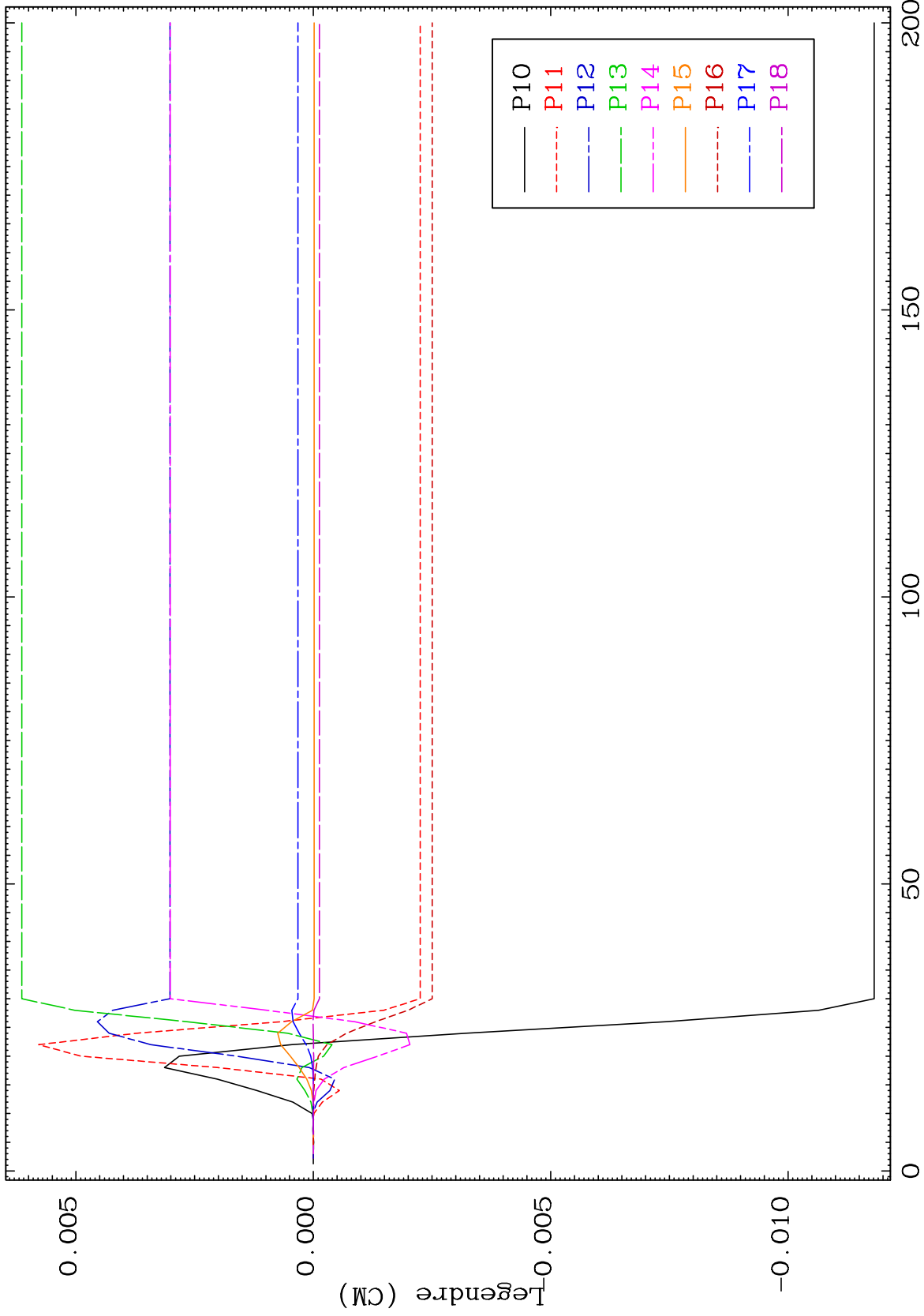


70-Yb-164

MAT 7013

1.223 MeV (n,n') Level
Legendre Coefficients

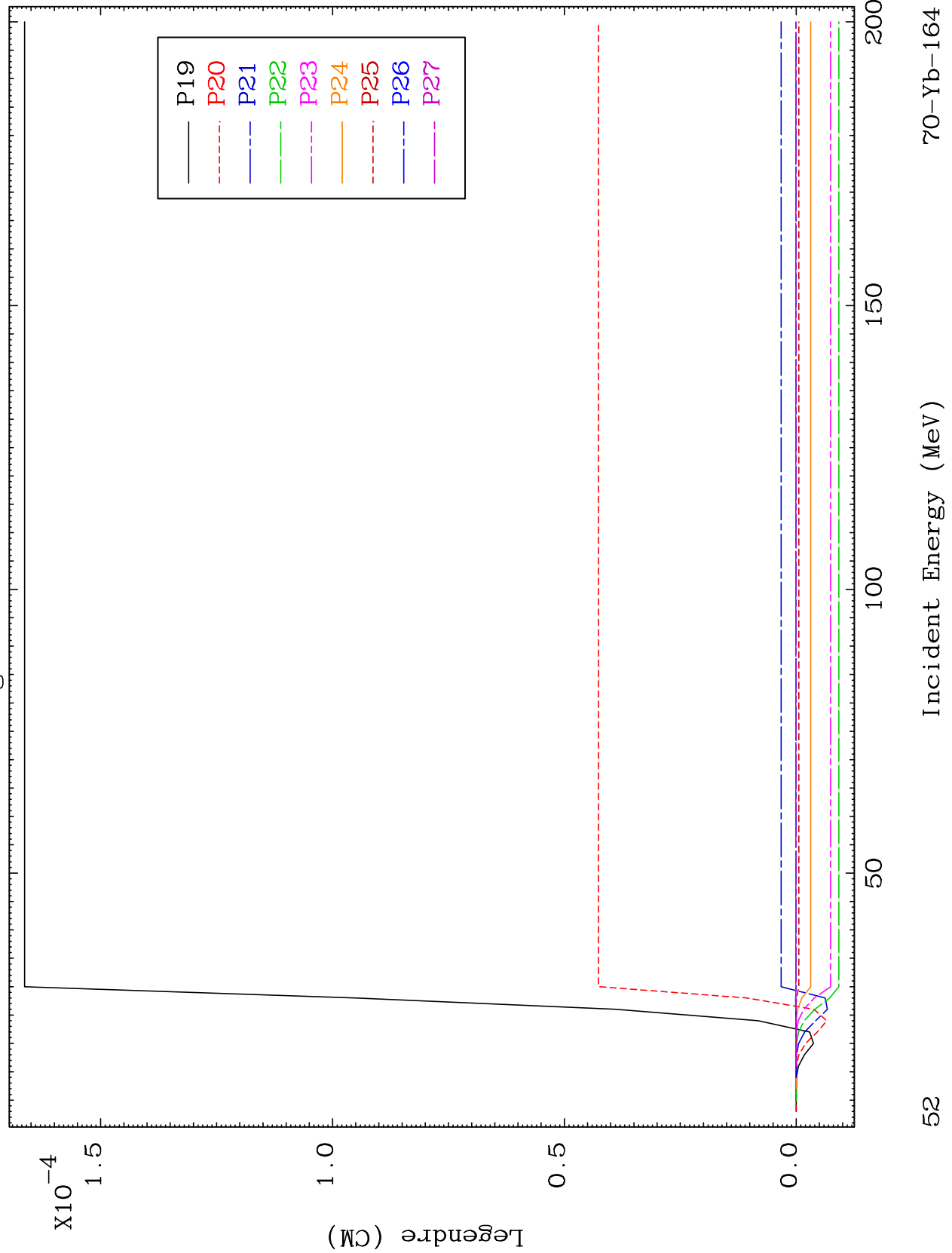
70-Yb-164

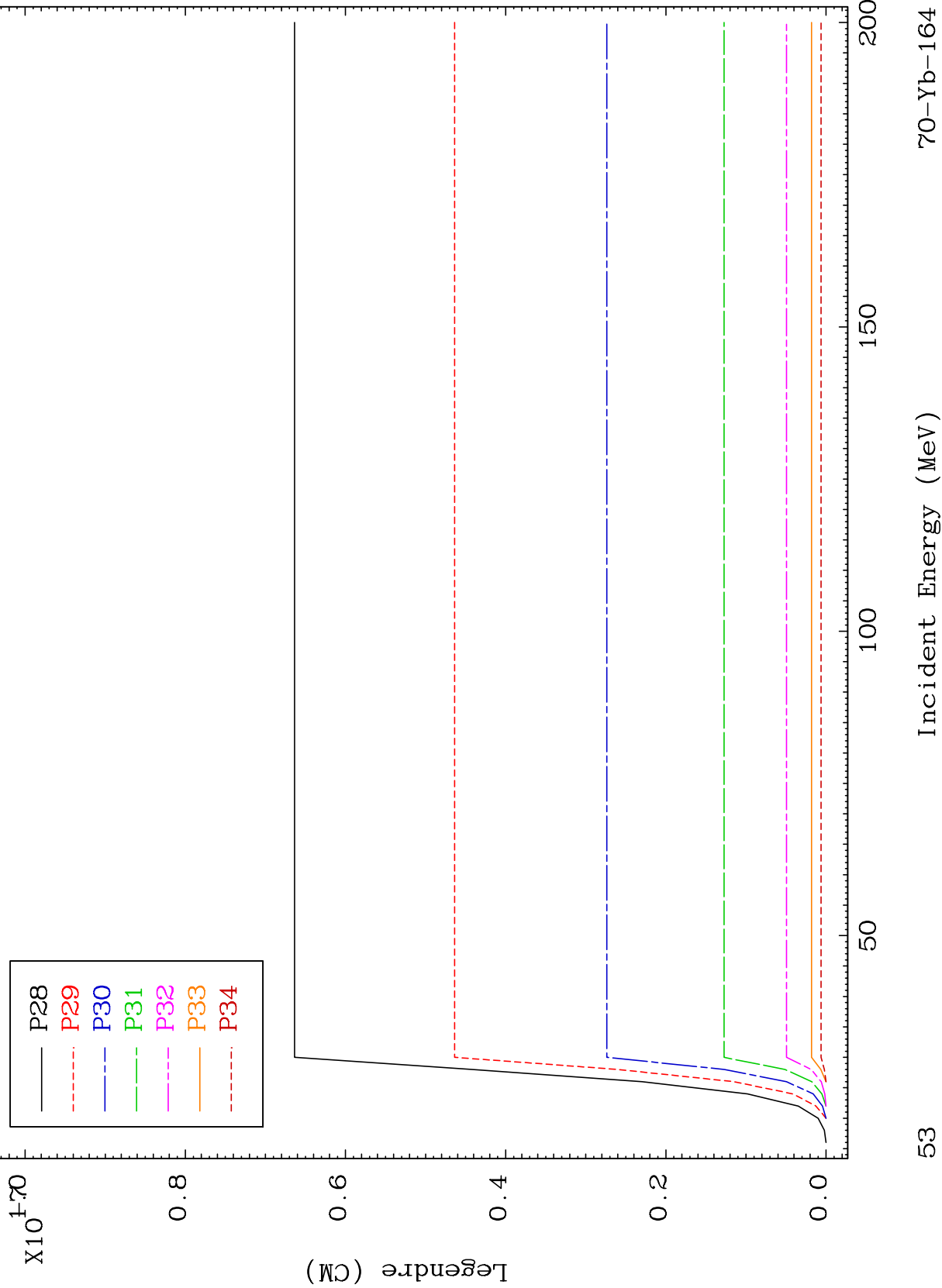
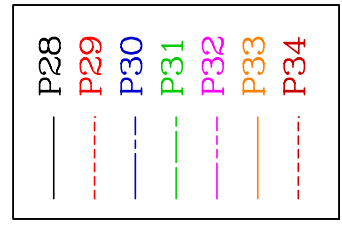


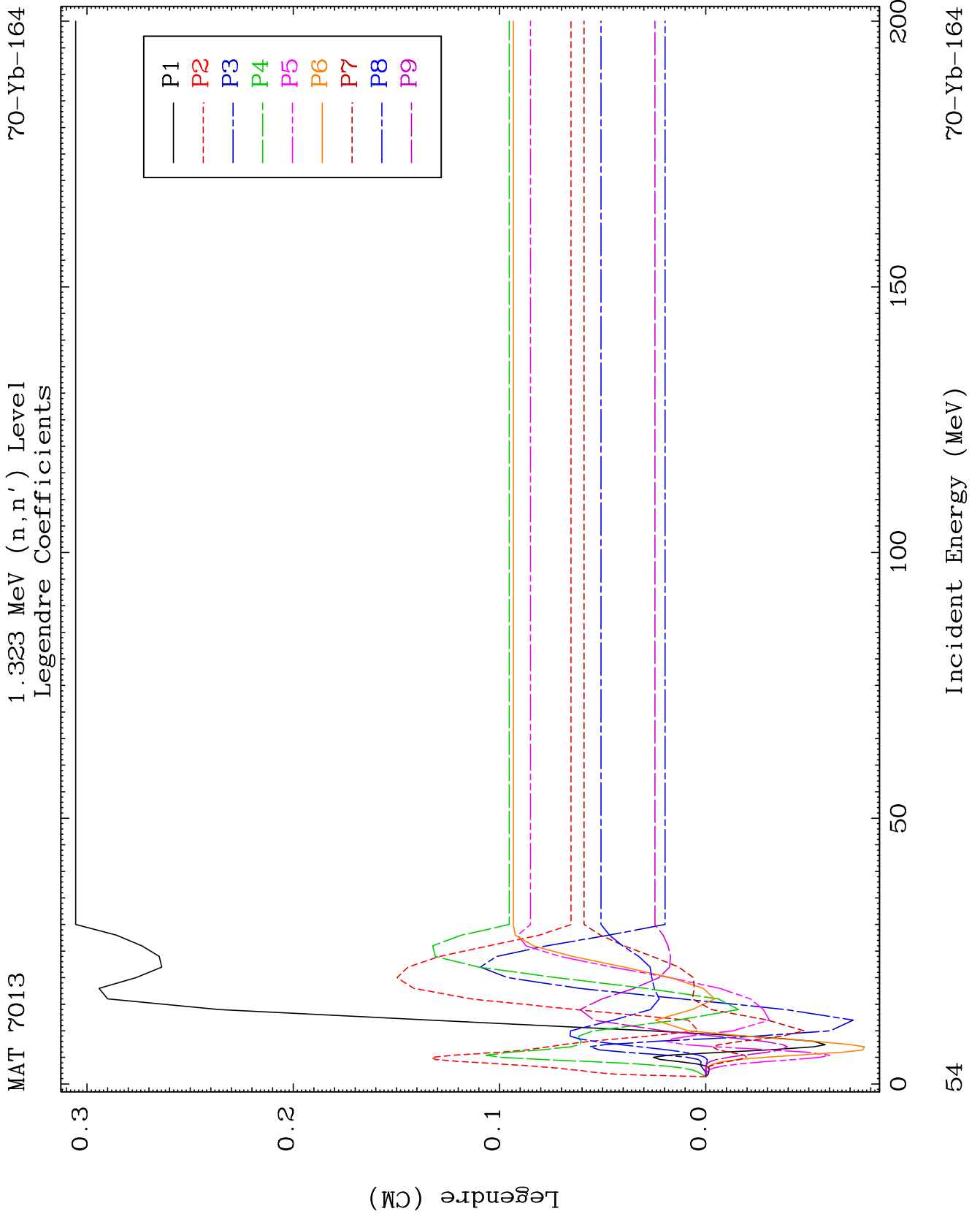
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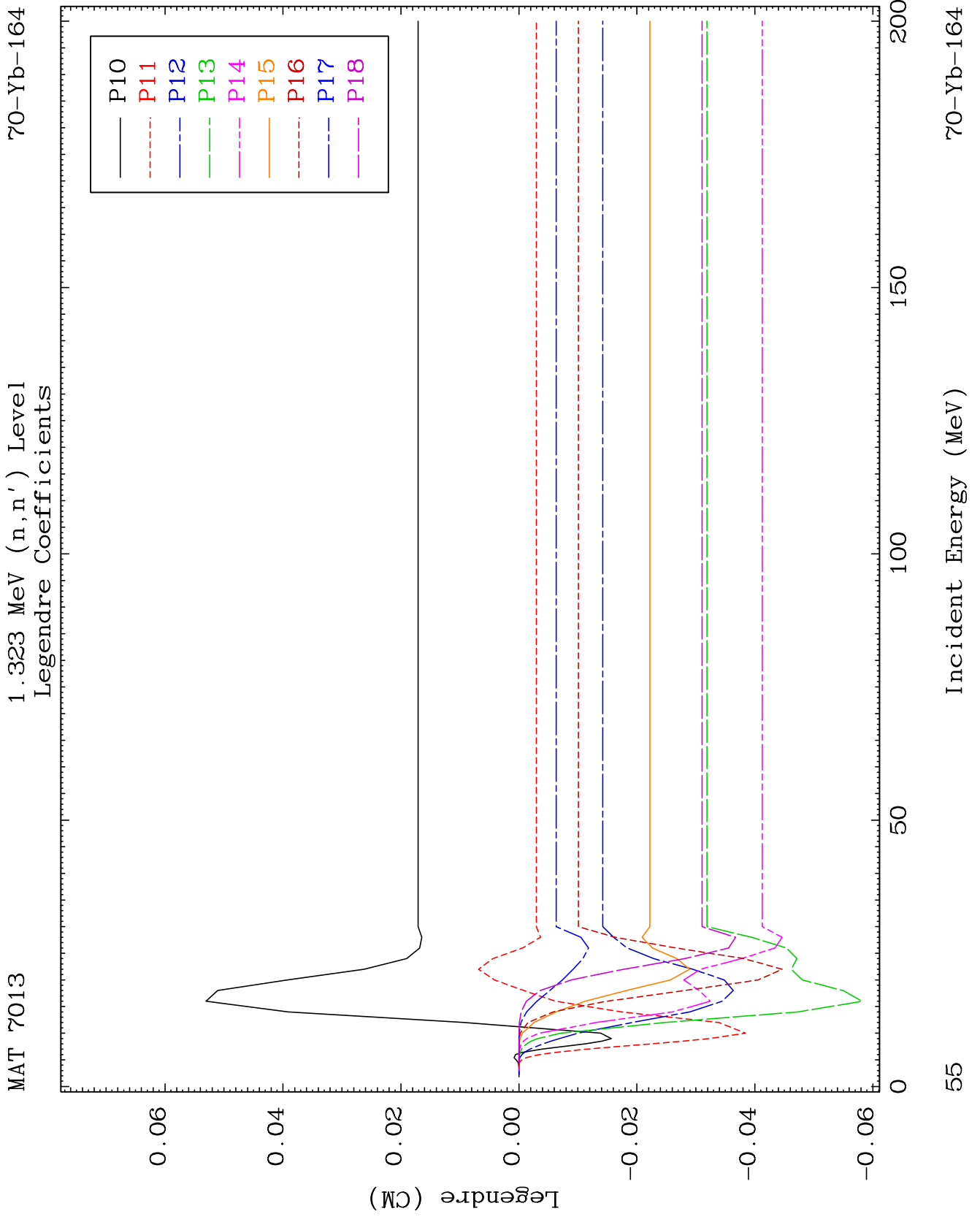
Incident Energy (MeV)

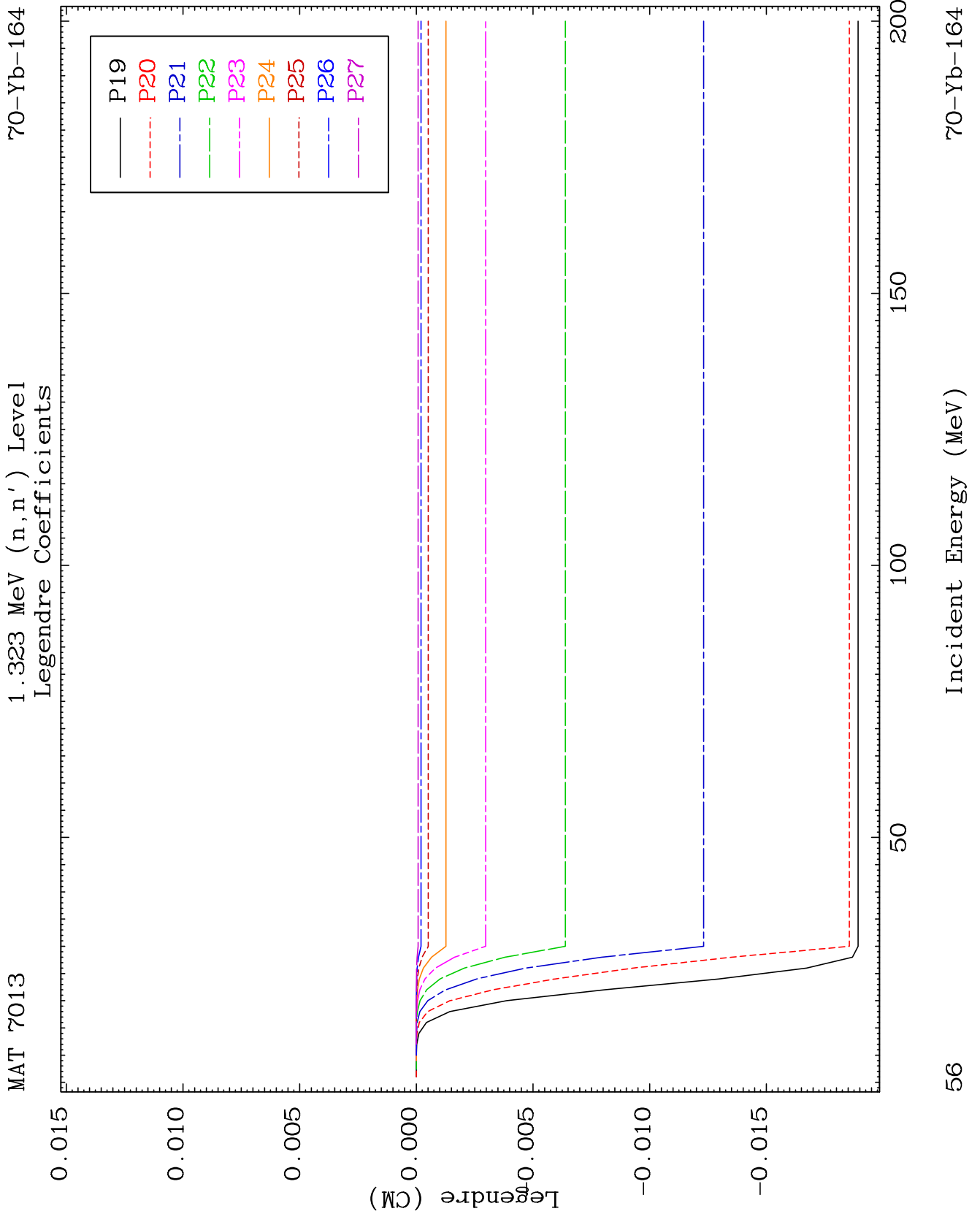
70-Yb-164

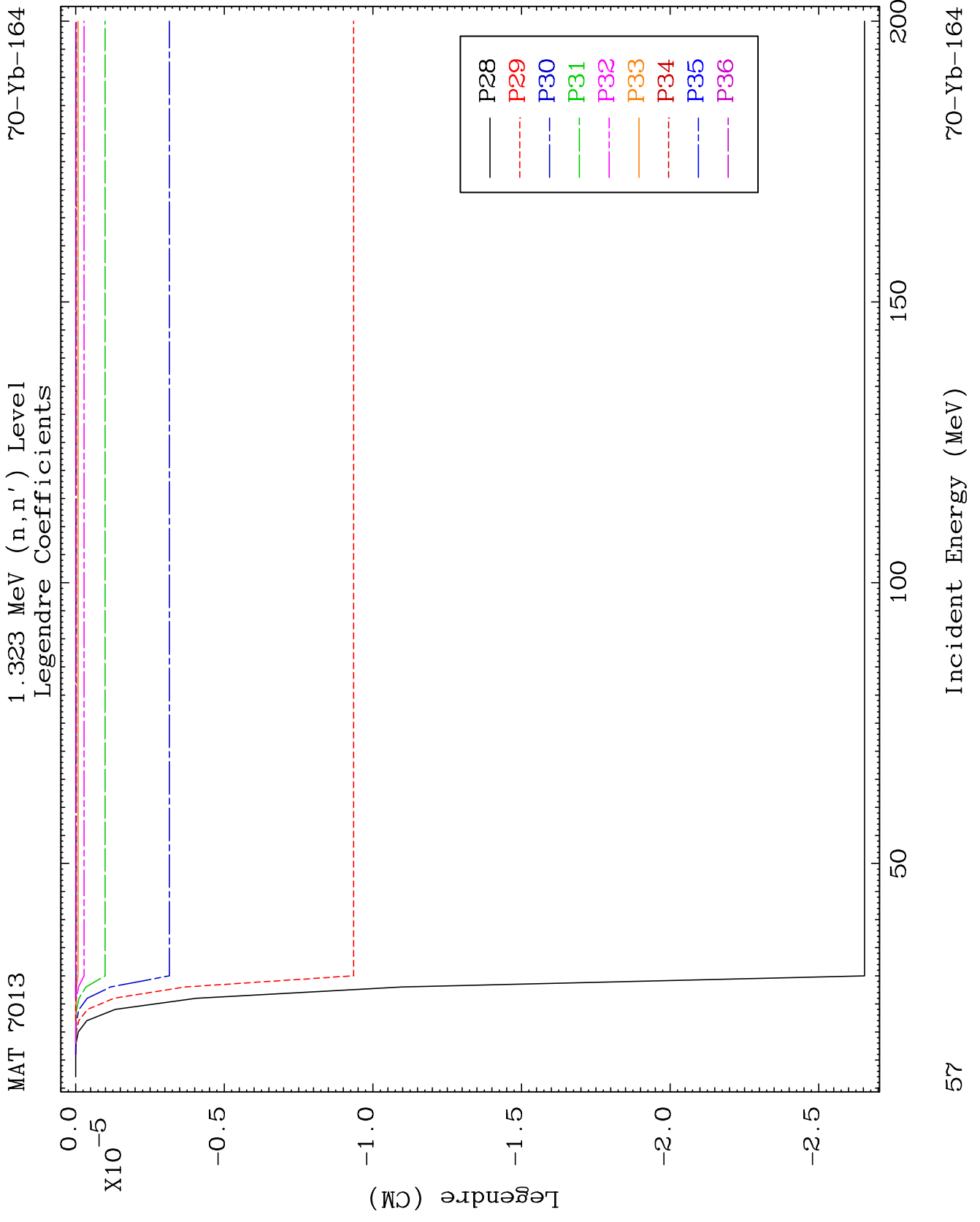








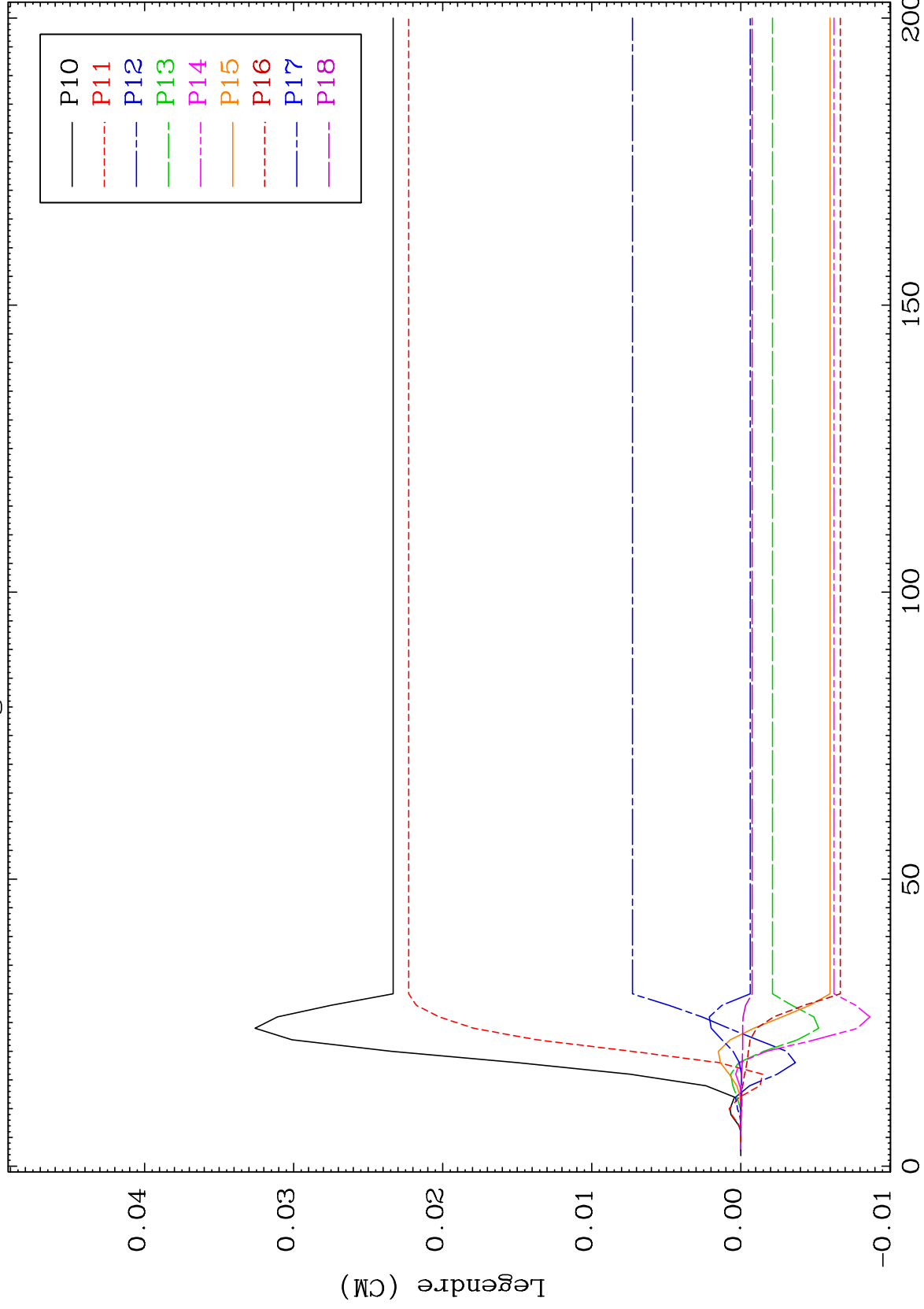




MAT 7013

1.336 MeV (n,n') Level
Legendre Coefficients

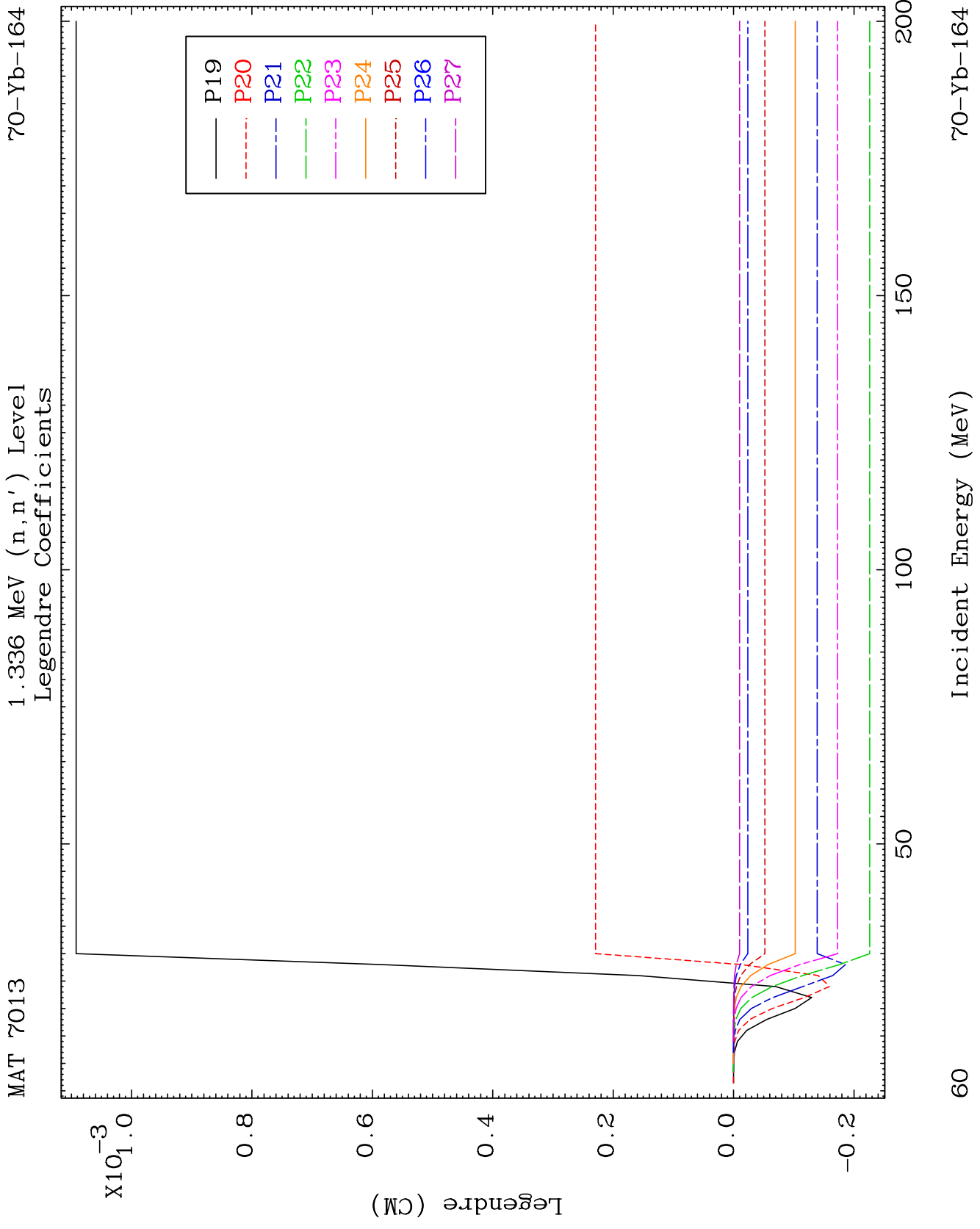
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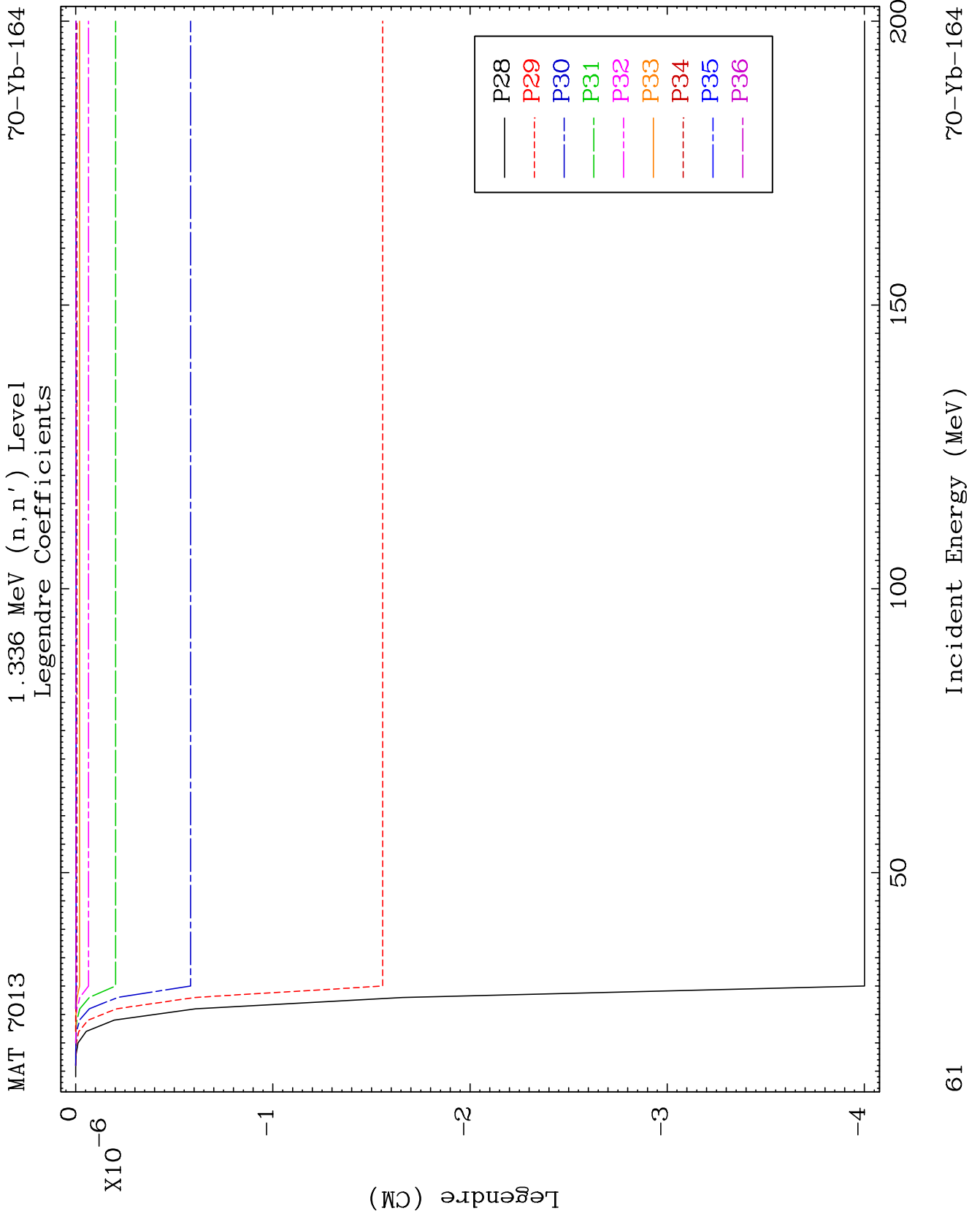


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Incident Energy (MeV)

70-Yb-164

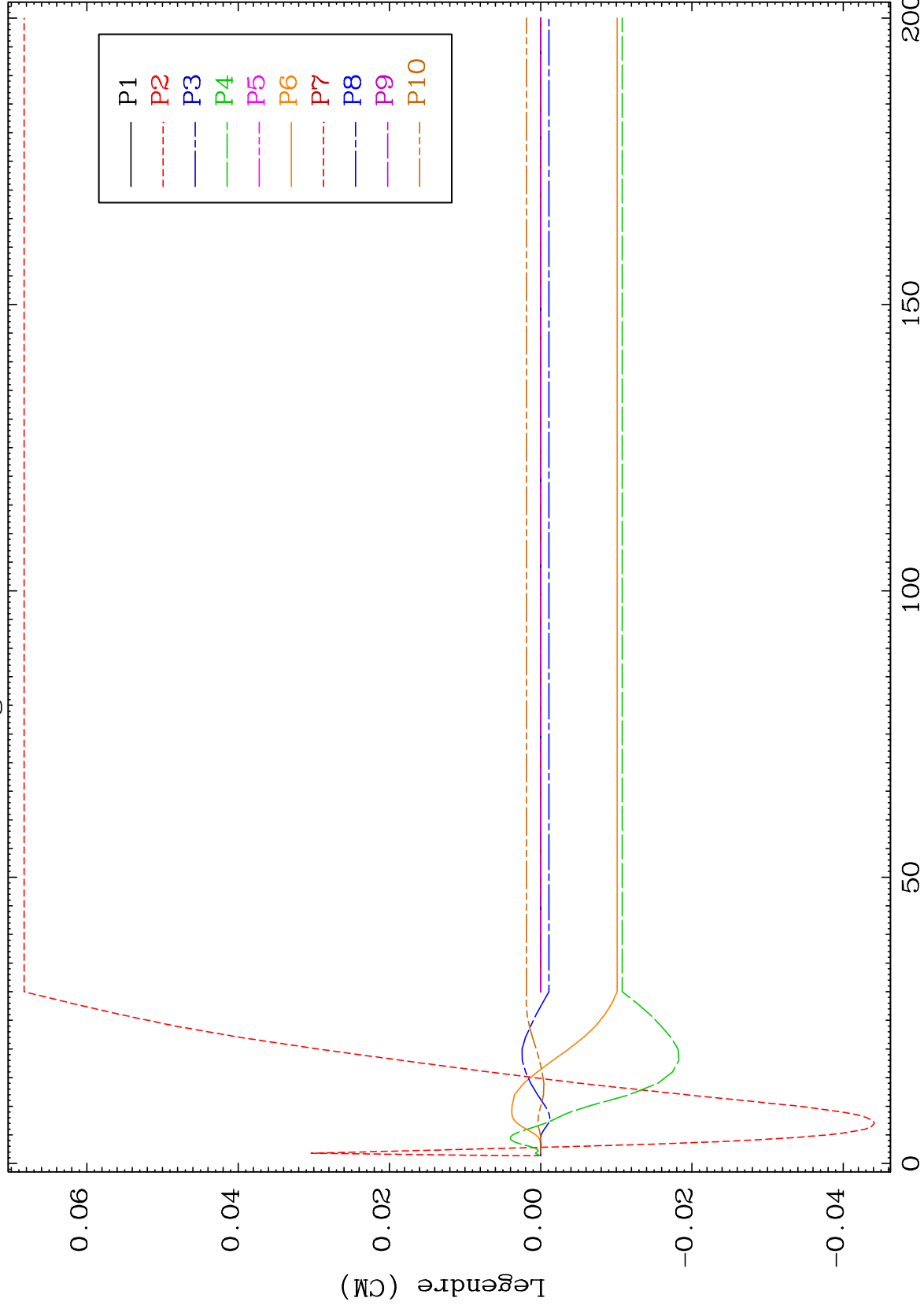




MAT 7013

1.348 MeV (n,n') Level
Legendre Coefficients

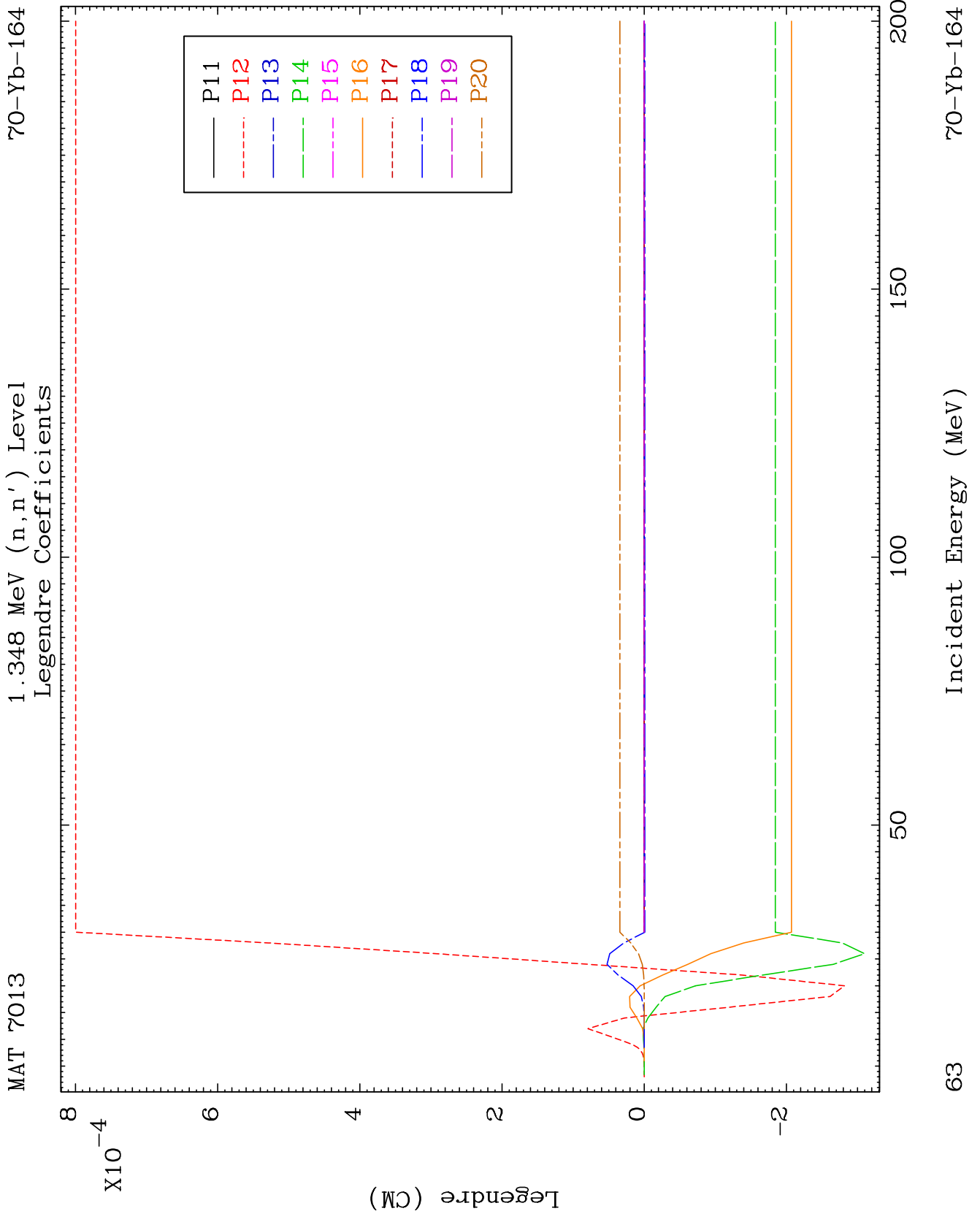
70-Yb-164

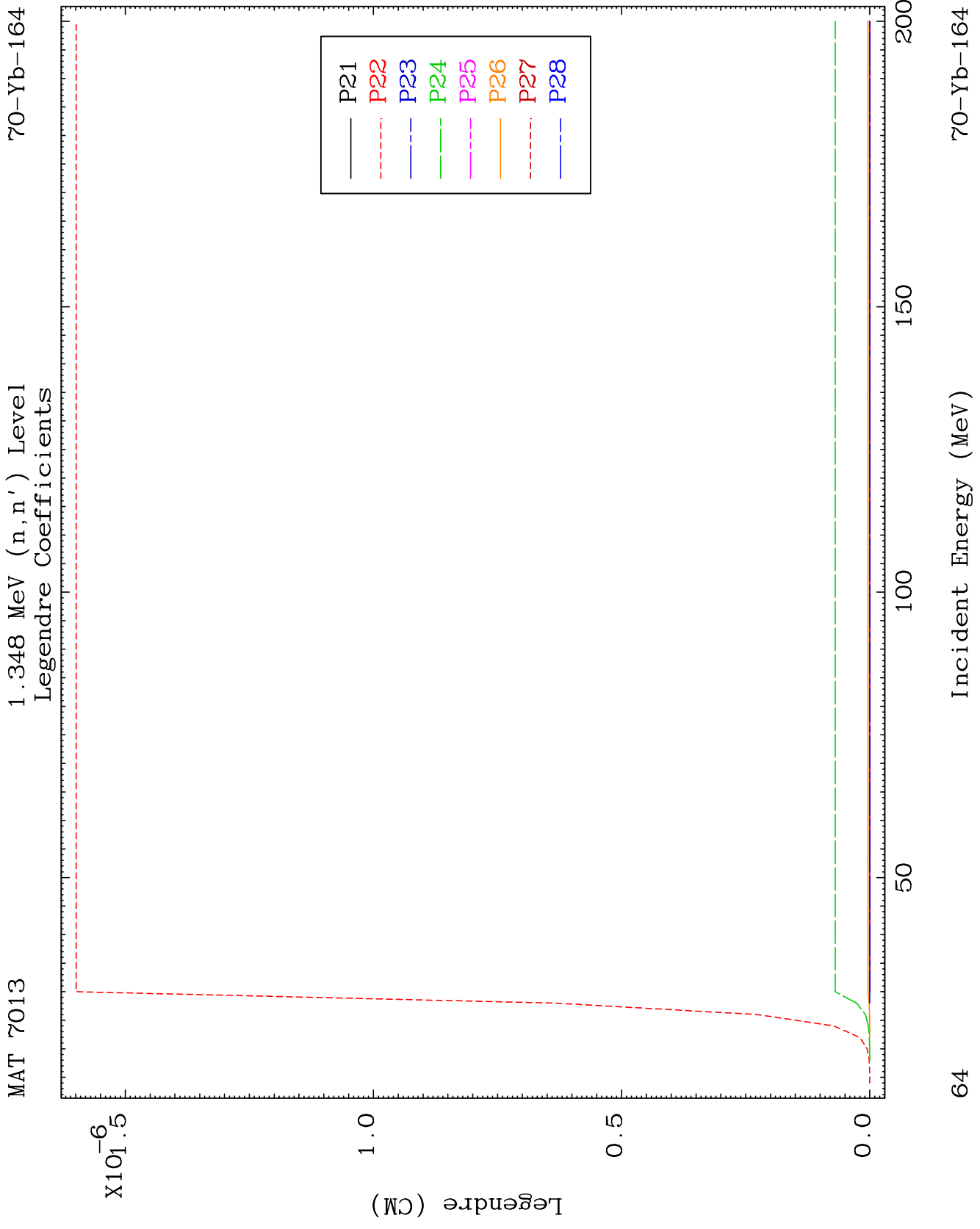


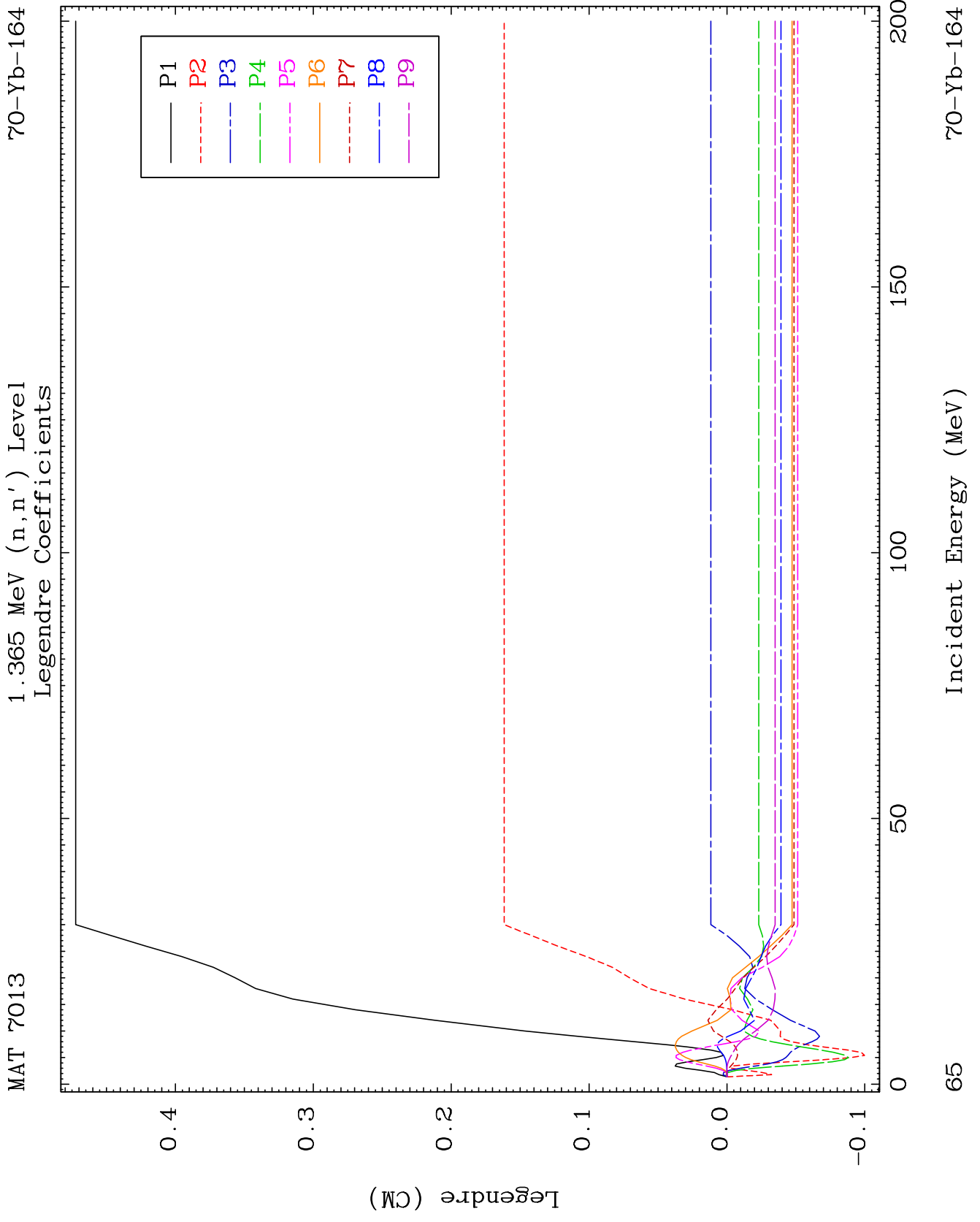
62

70-Yb-164

70-Yb-164



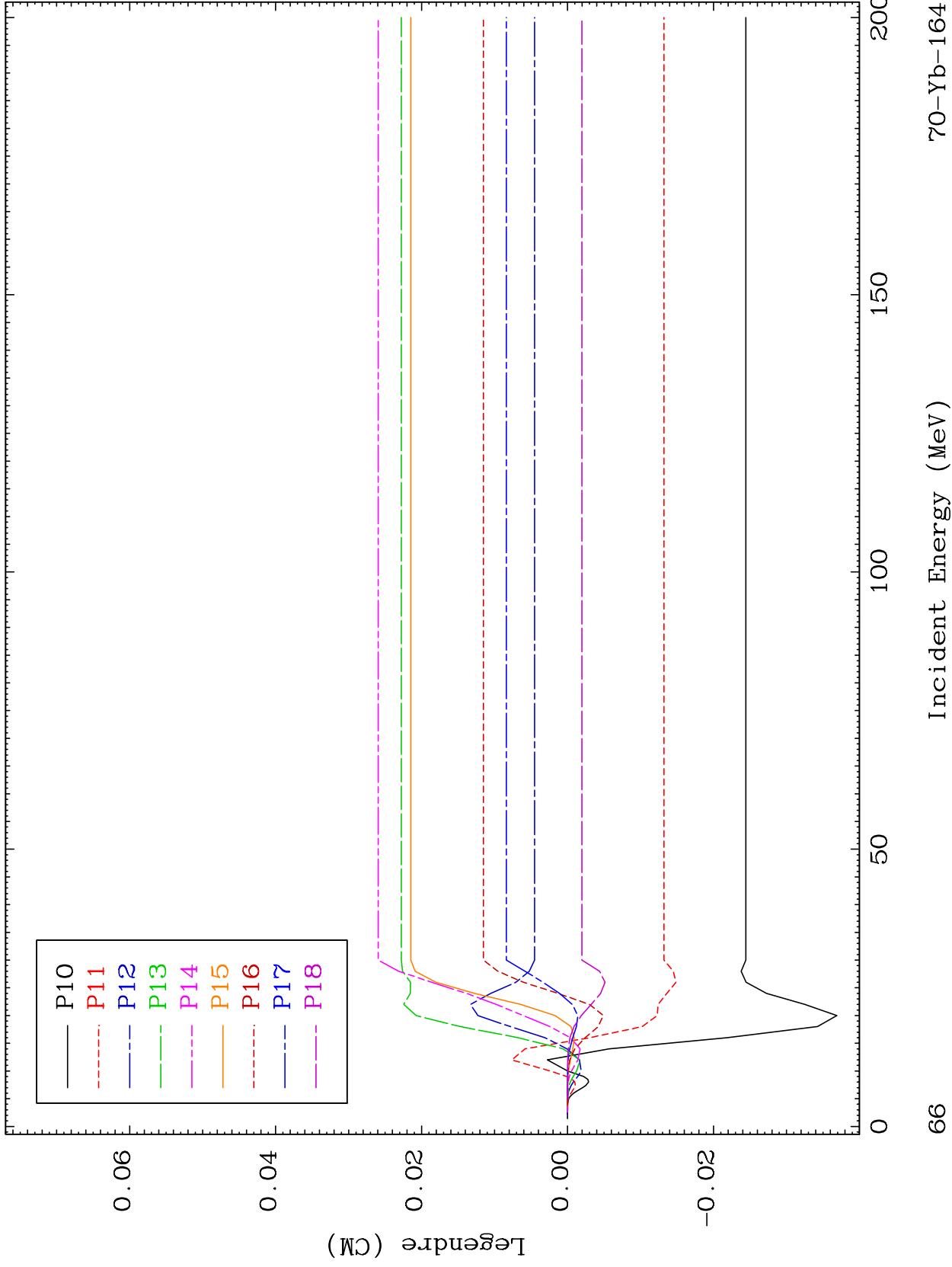




MAT 7013

1.365 MeV (n,n') Level
Legendre Coefficients

70-Yb-164



70-Yb-164

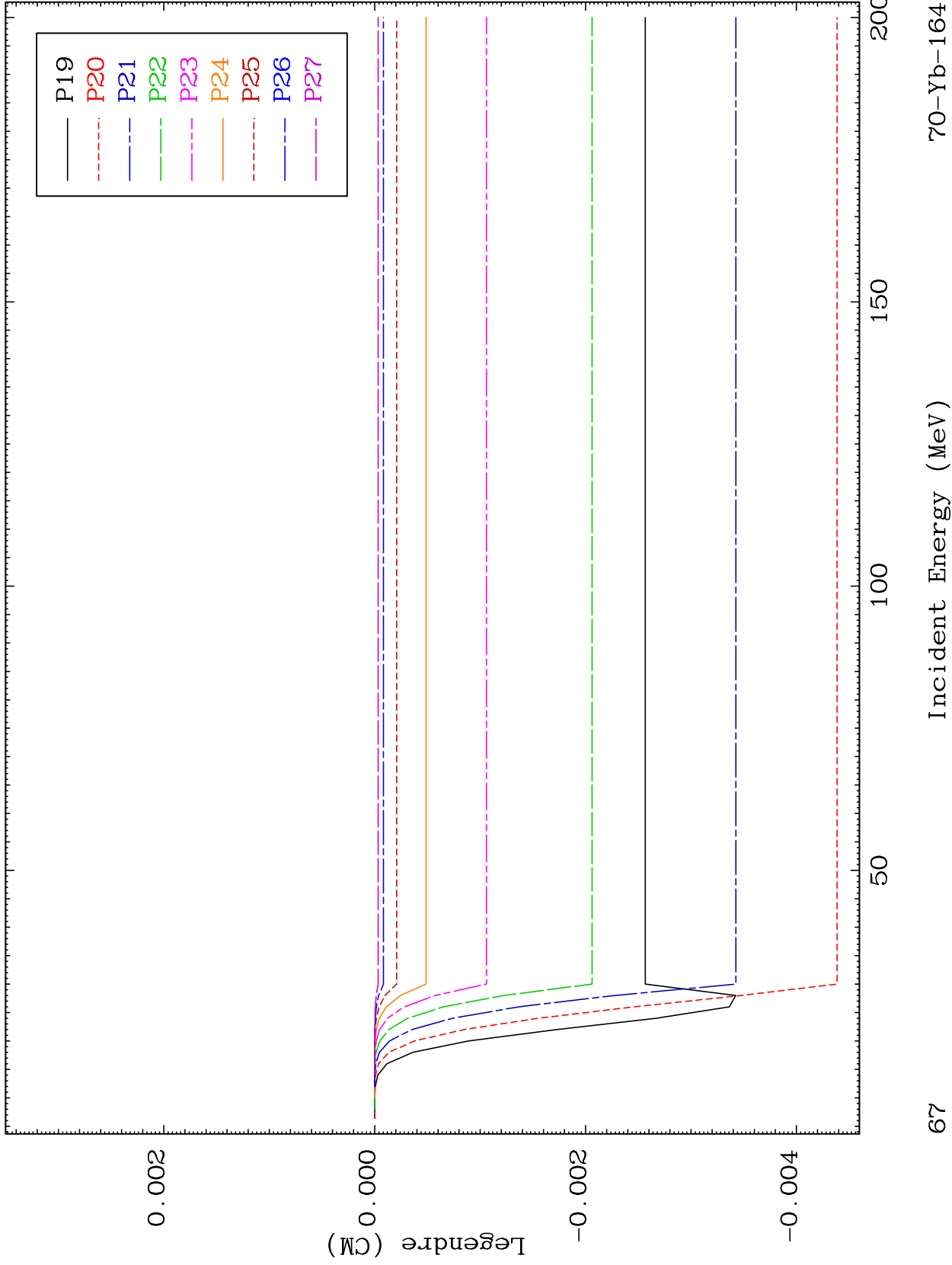
Incident Energy (MeV)

66

MAT 7013

1.365 MeV (n,n') Level
Legendre Coefficients

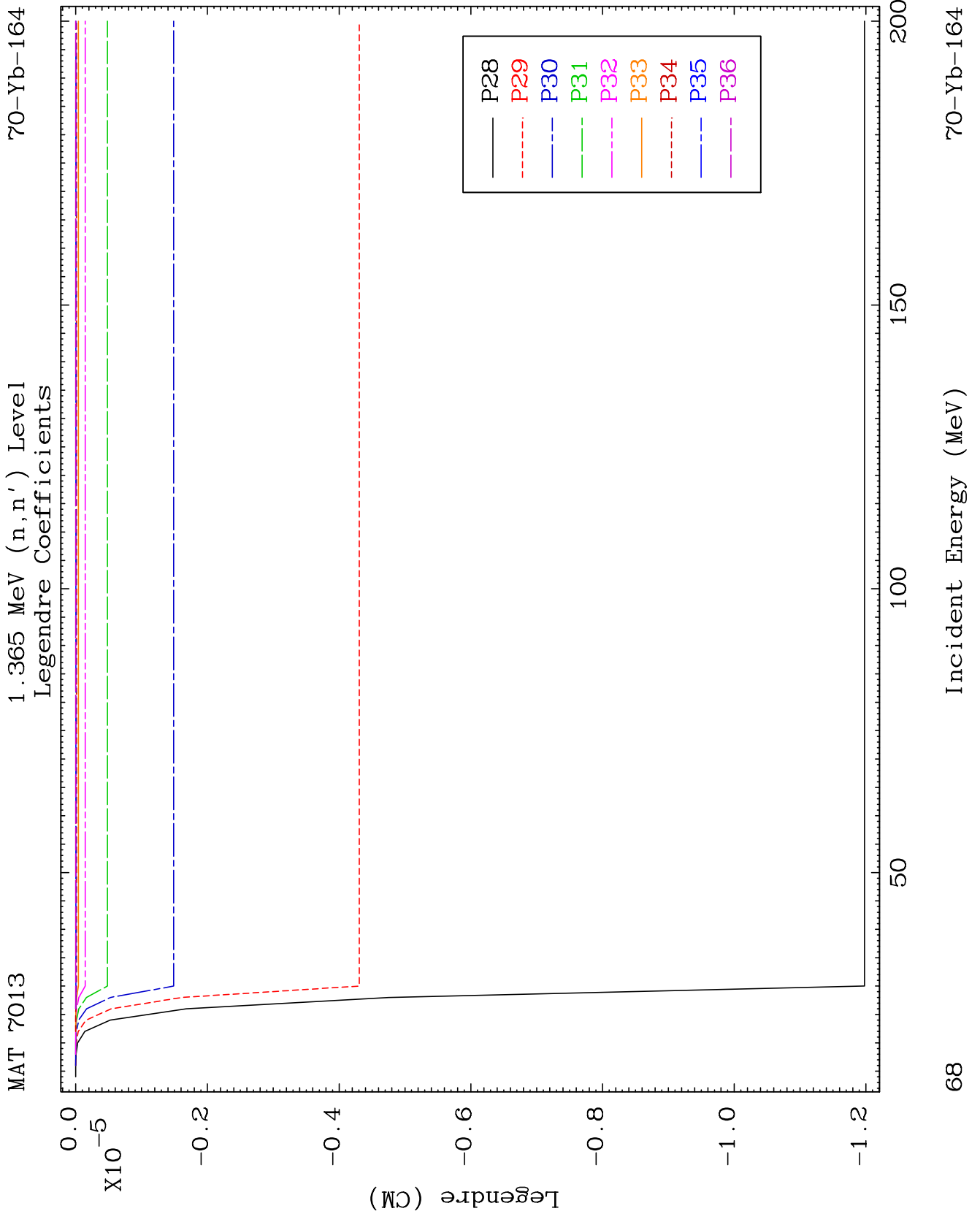
70-Yb-164

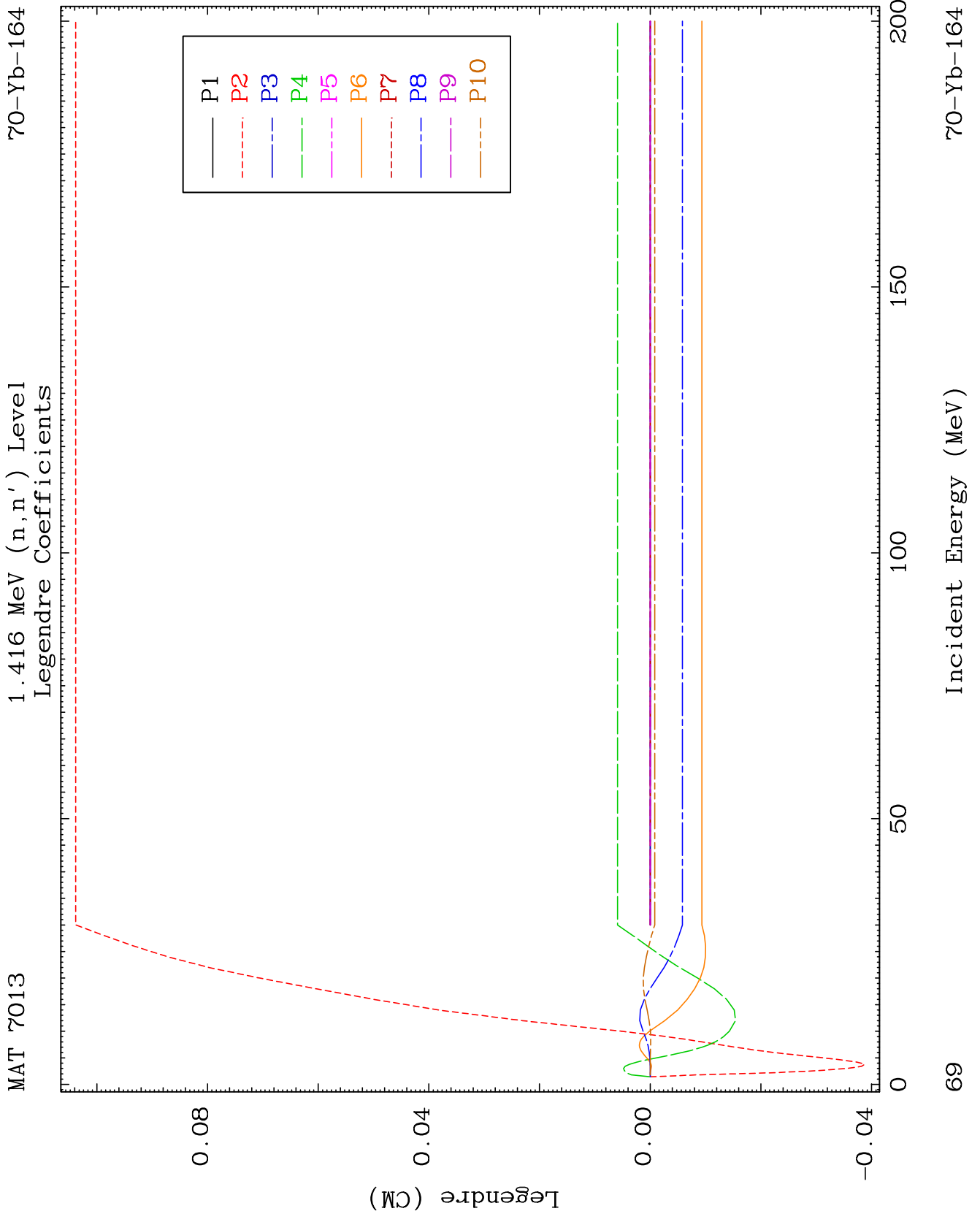


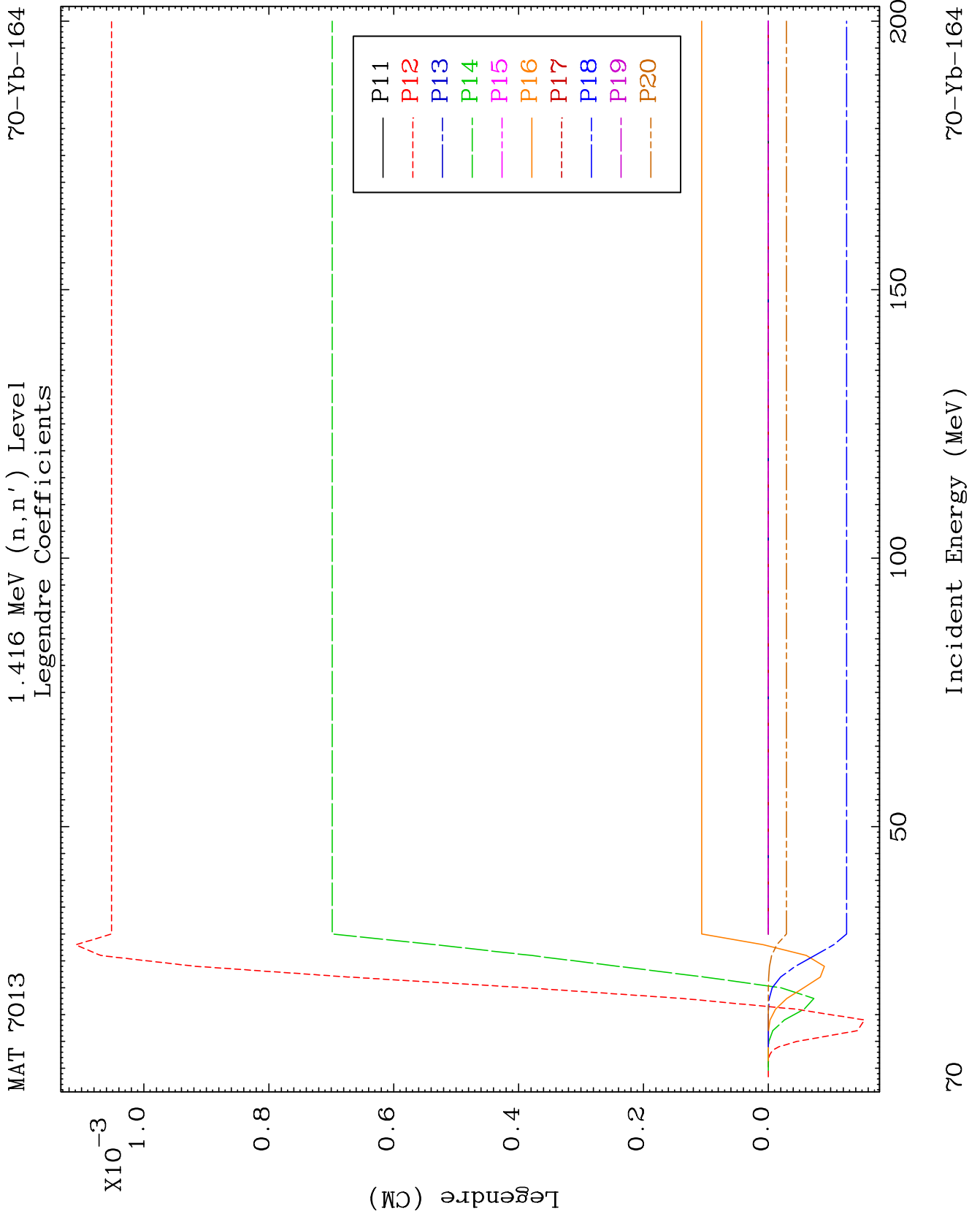
67

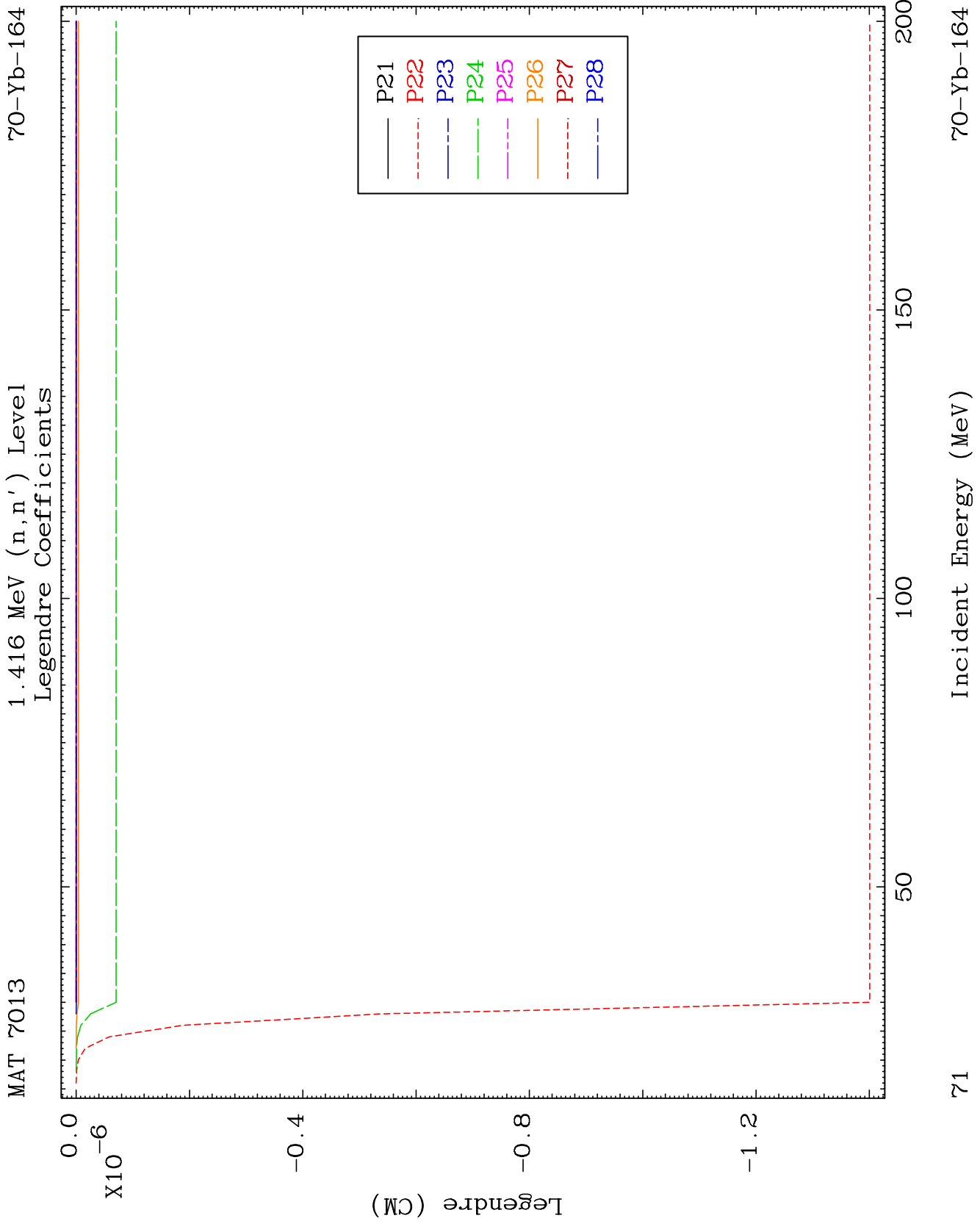
Incident Energy (MeV)

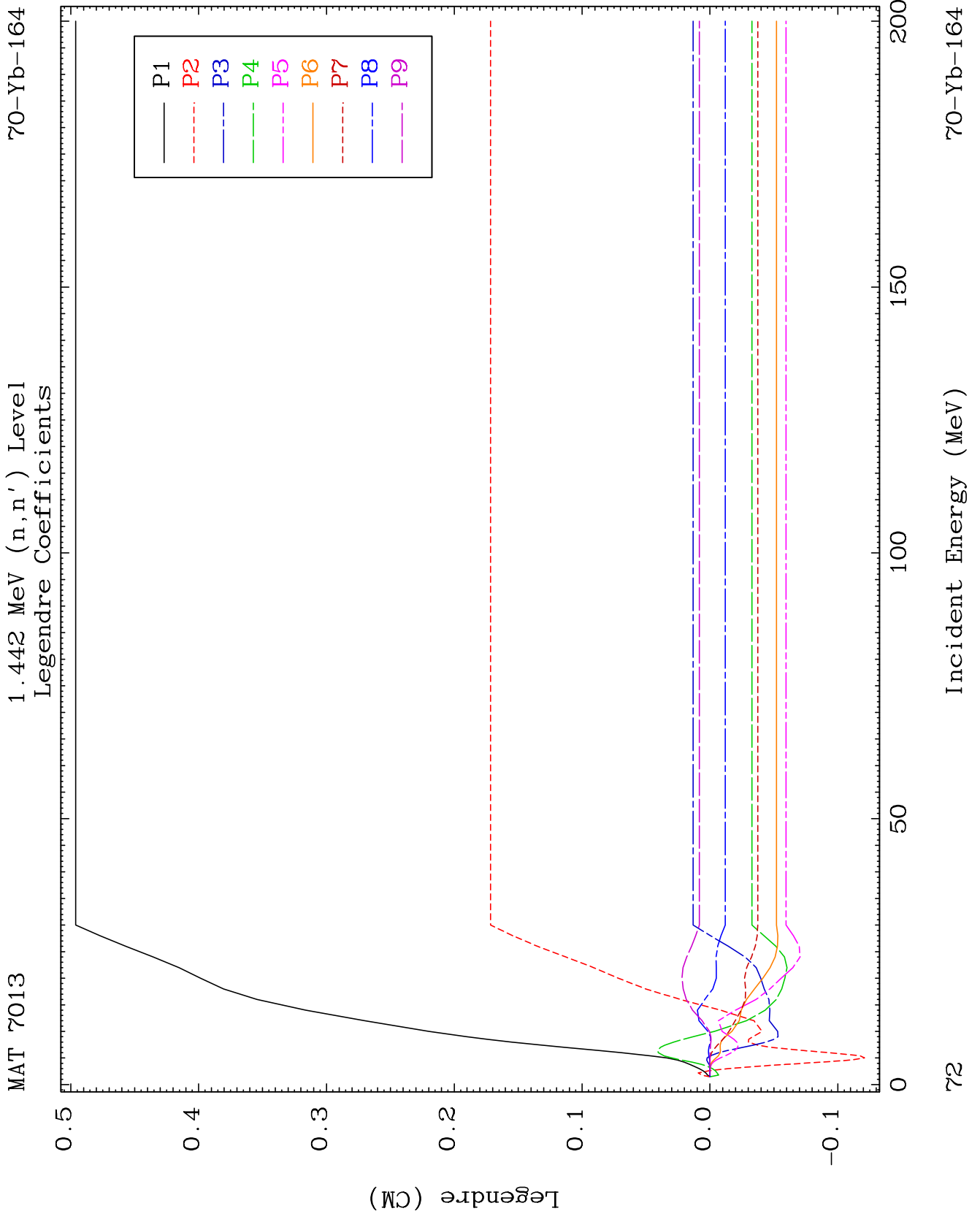
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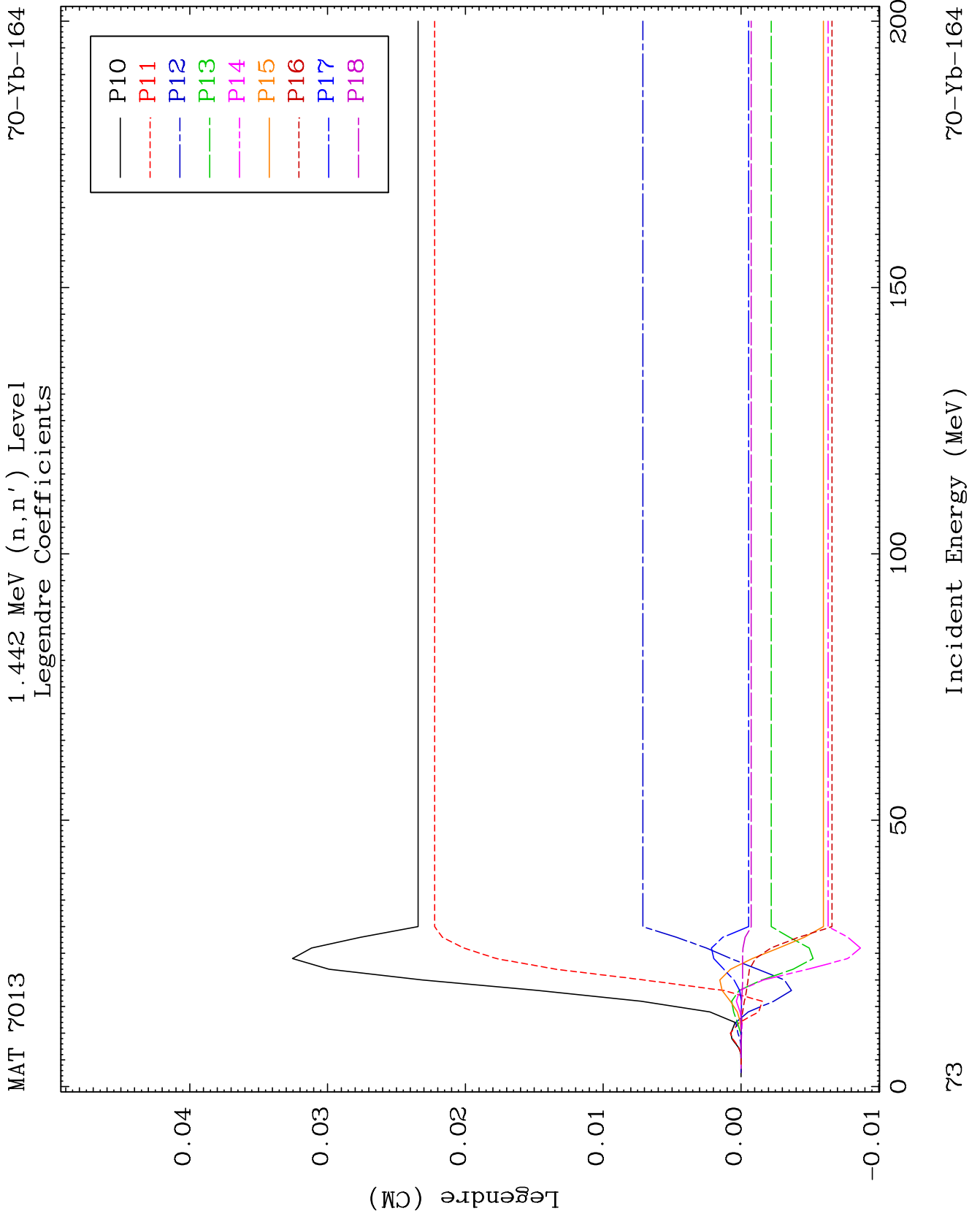


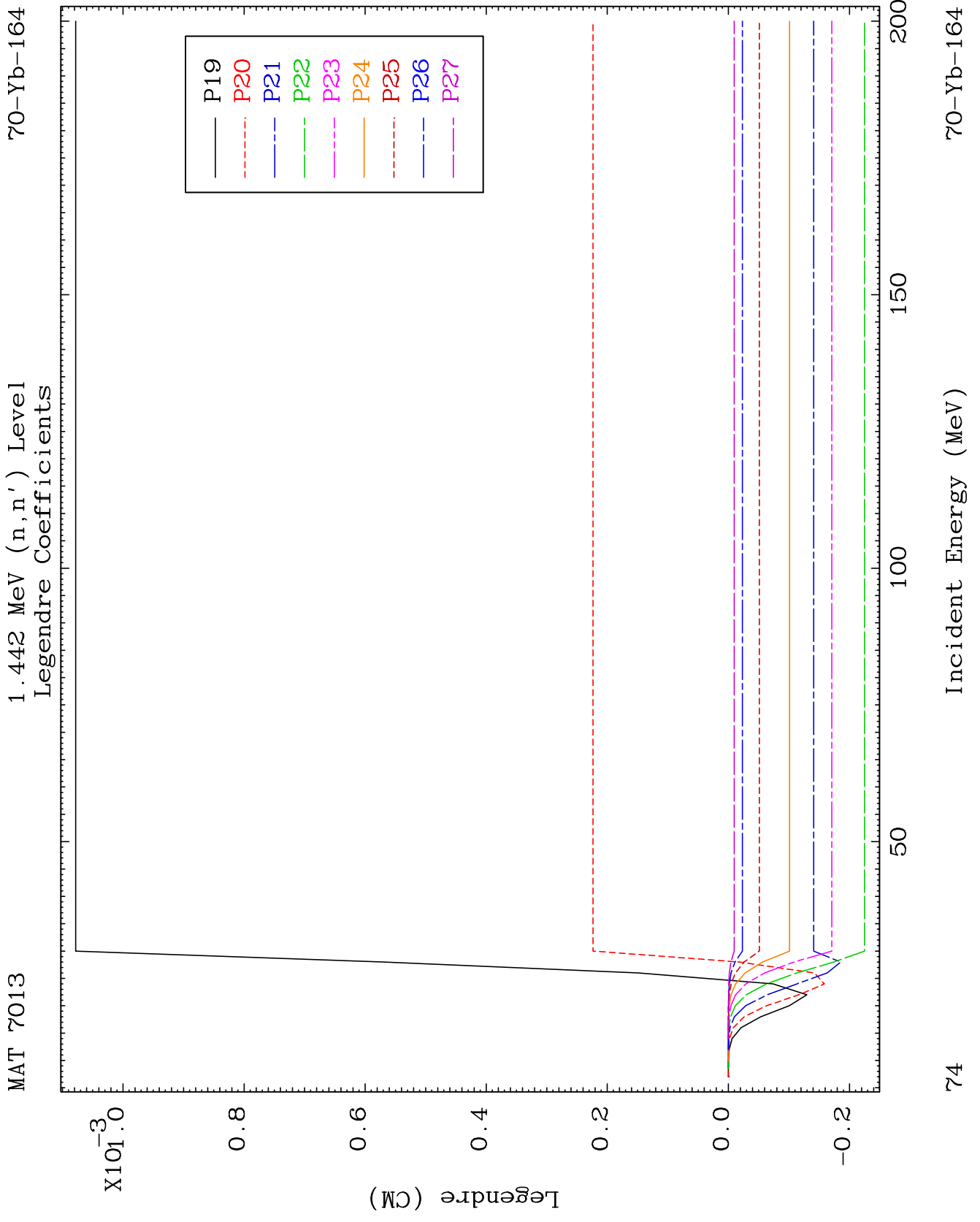


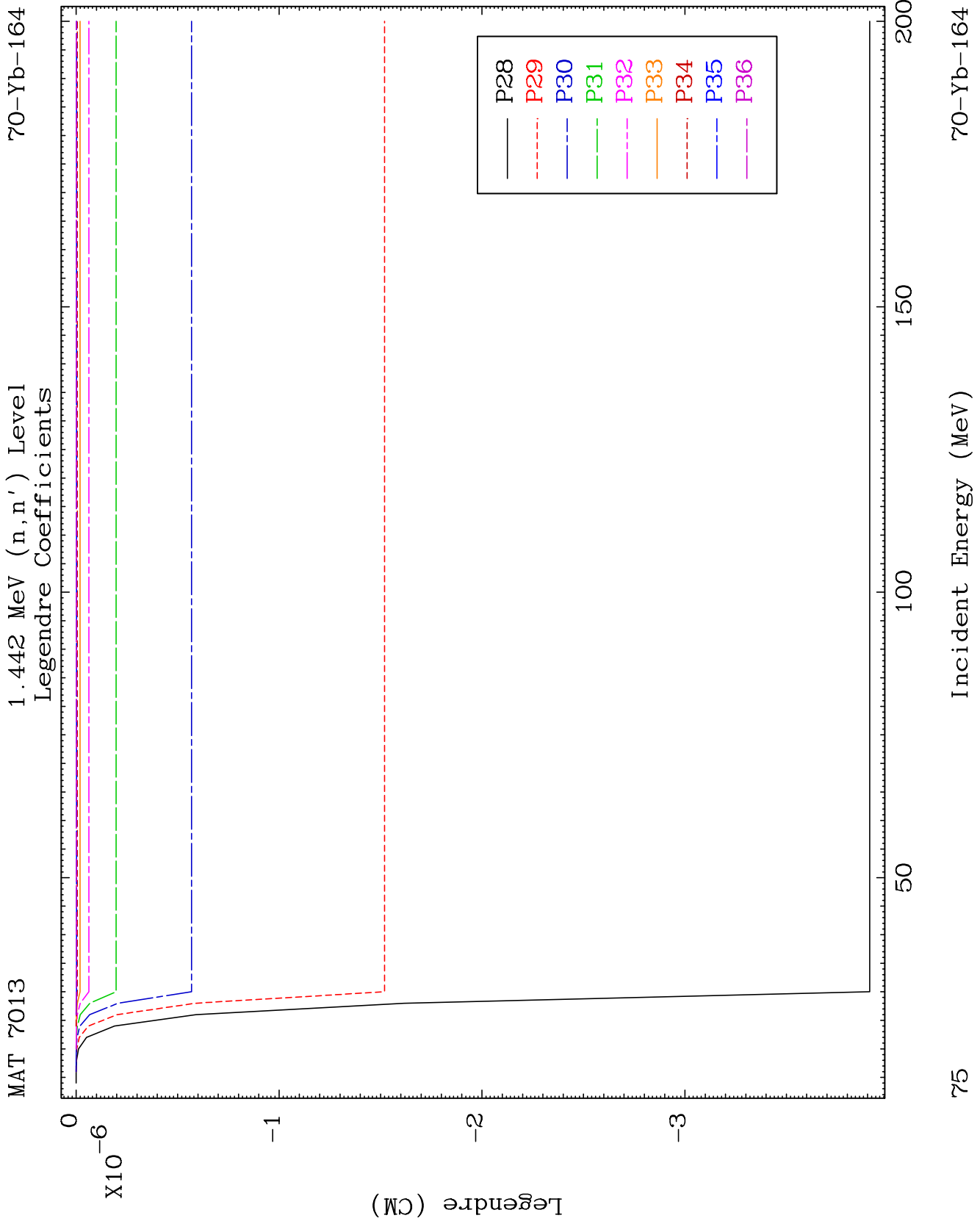


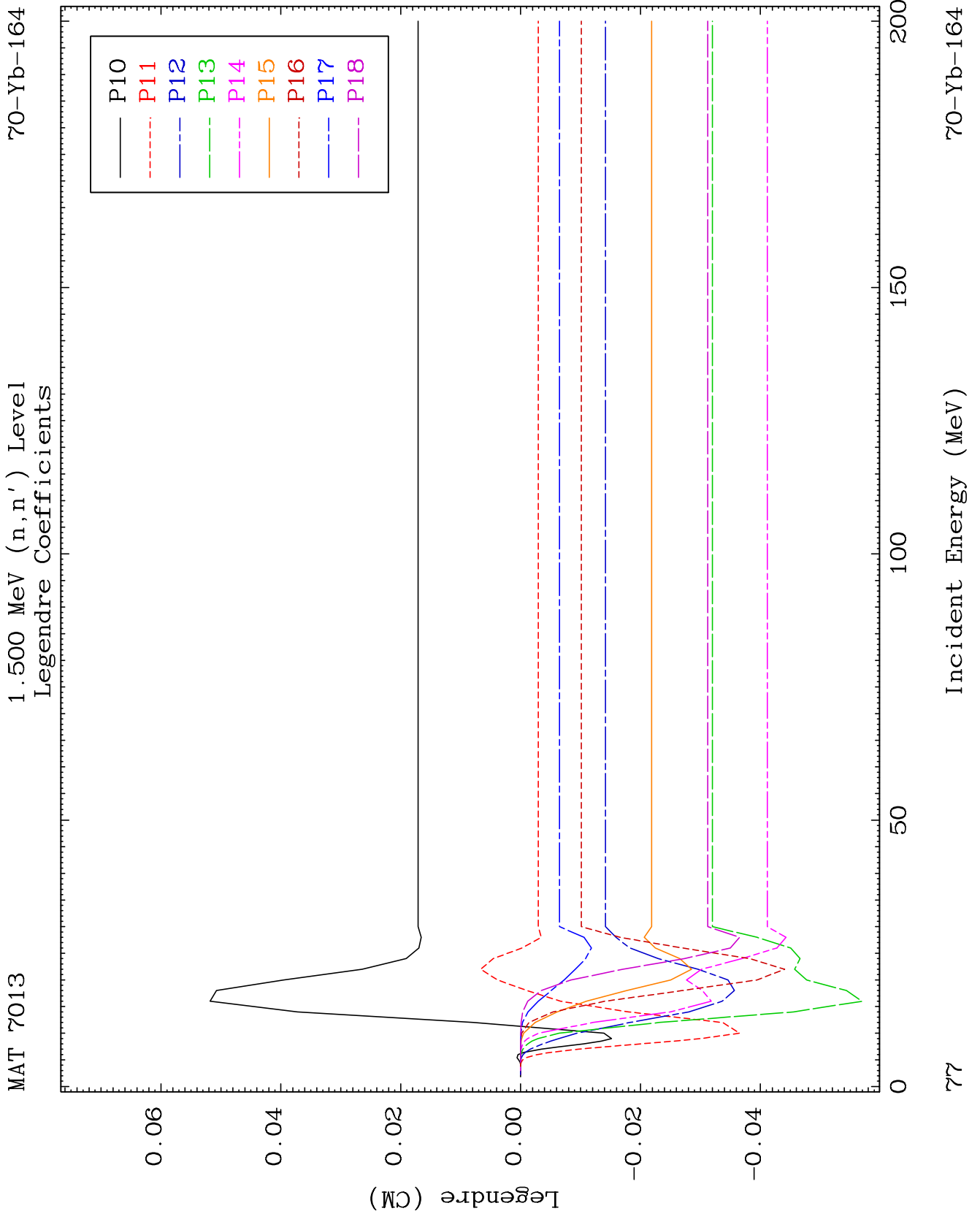


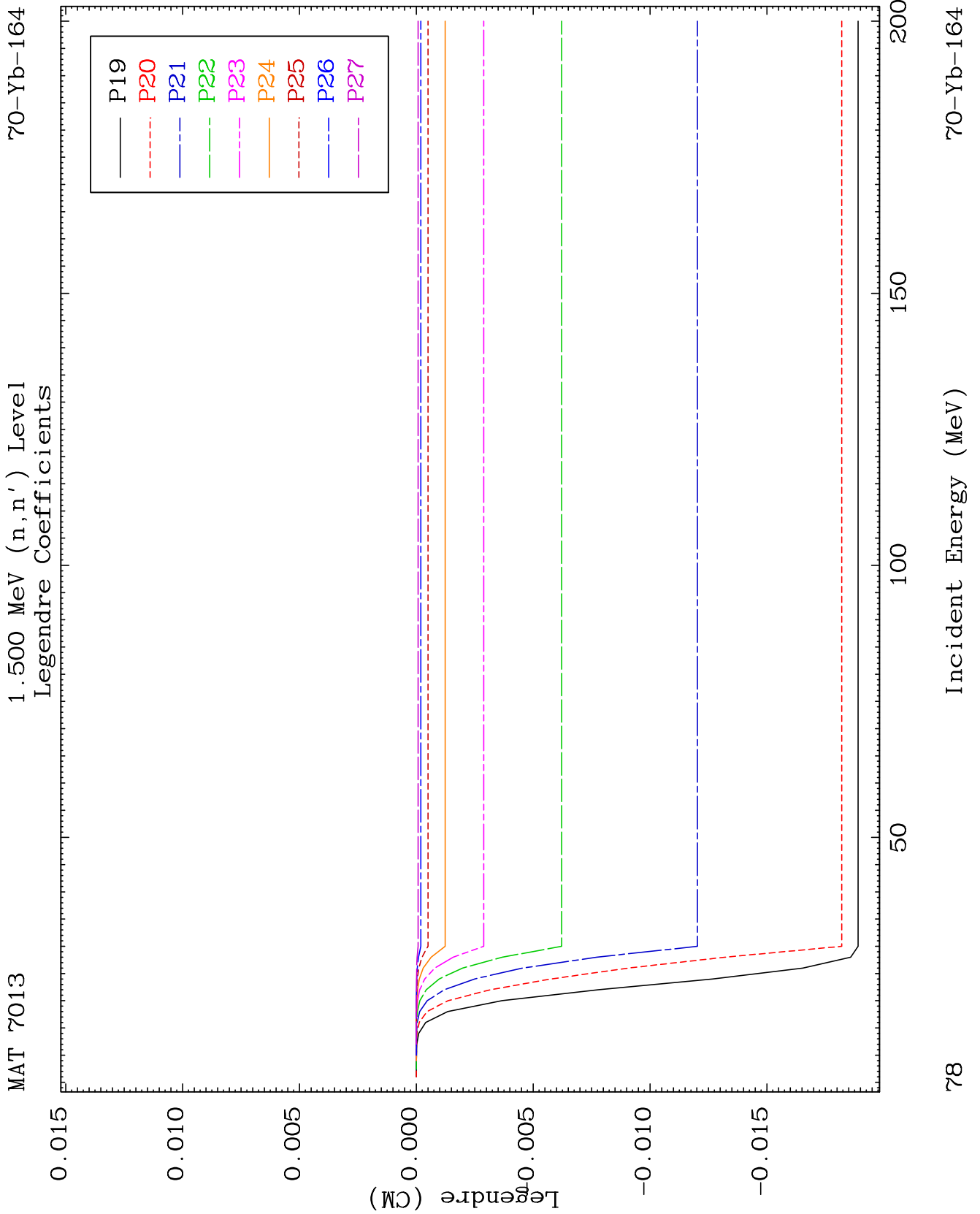


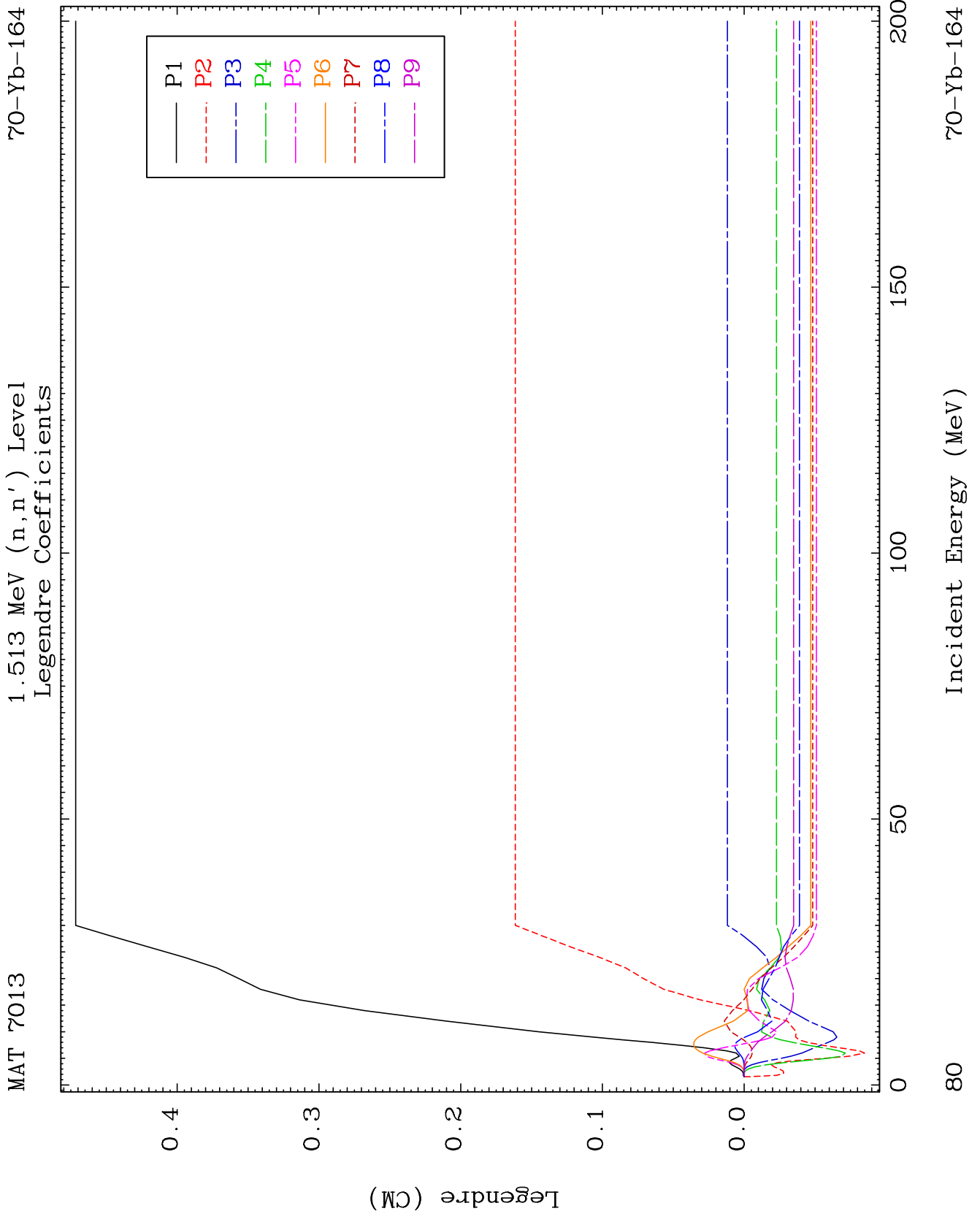








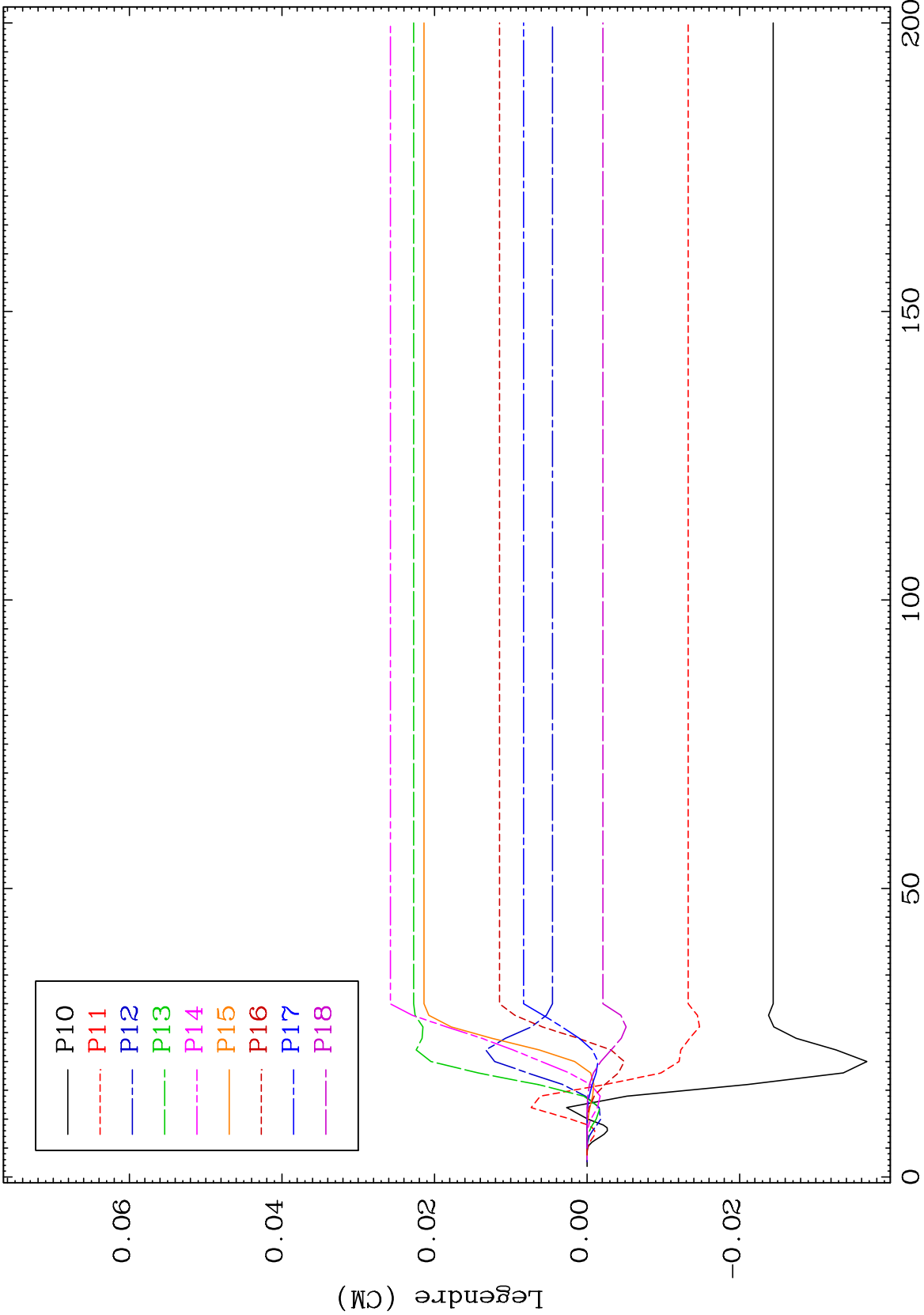




MAT 7013

1.513 MeV (n,n') Level Legendre Coefficients

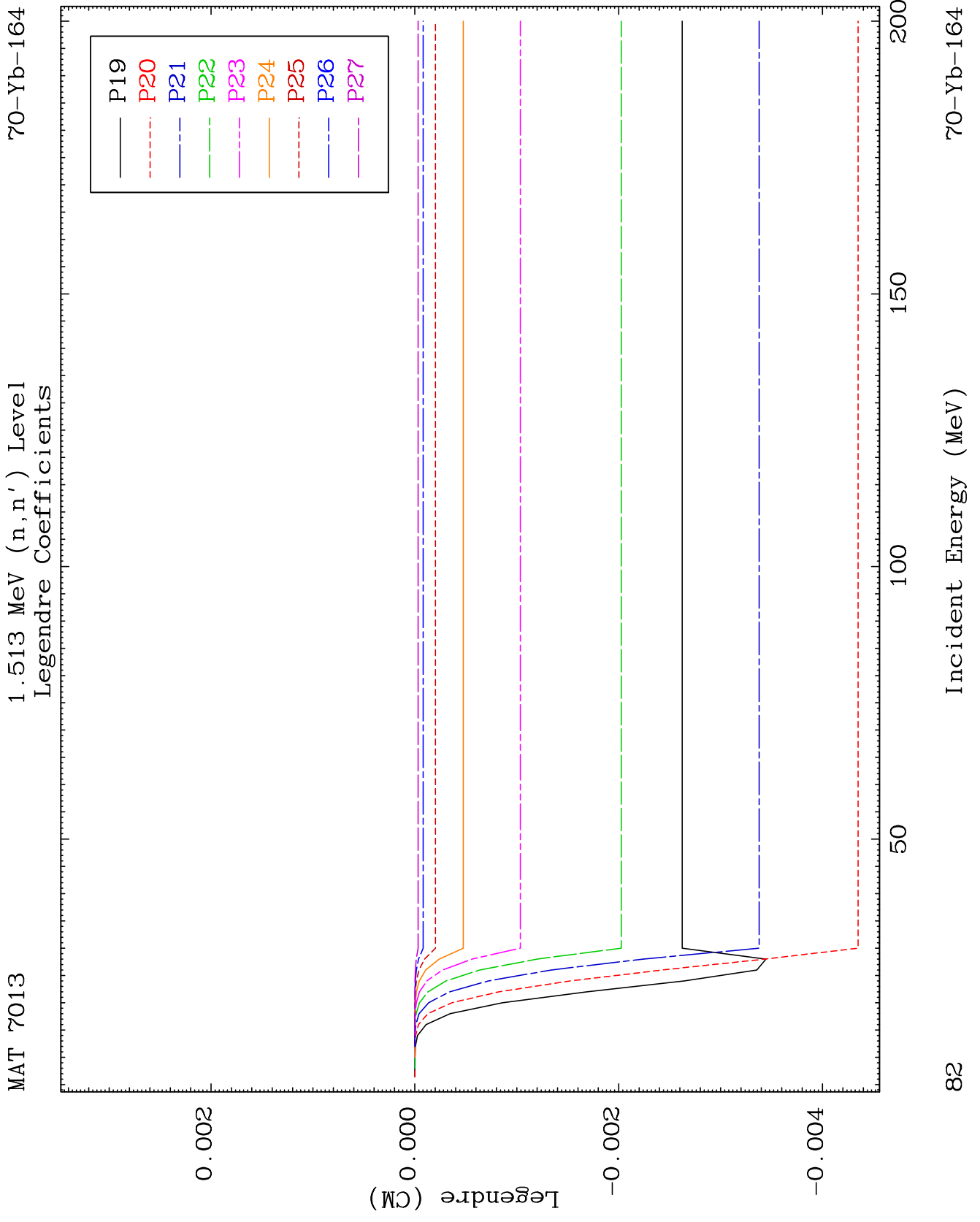
70-Yb-164

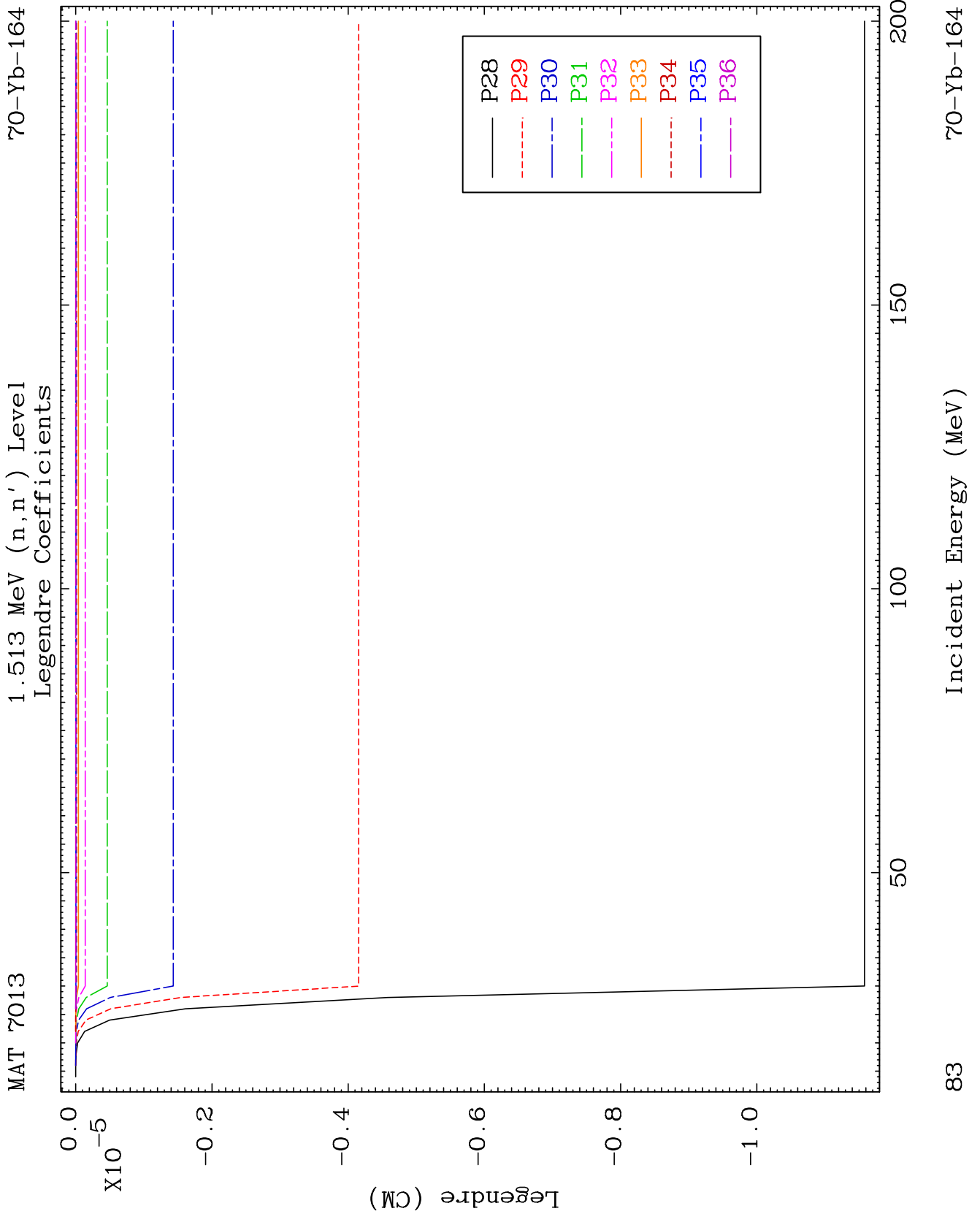


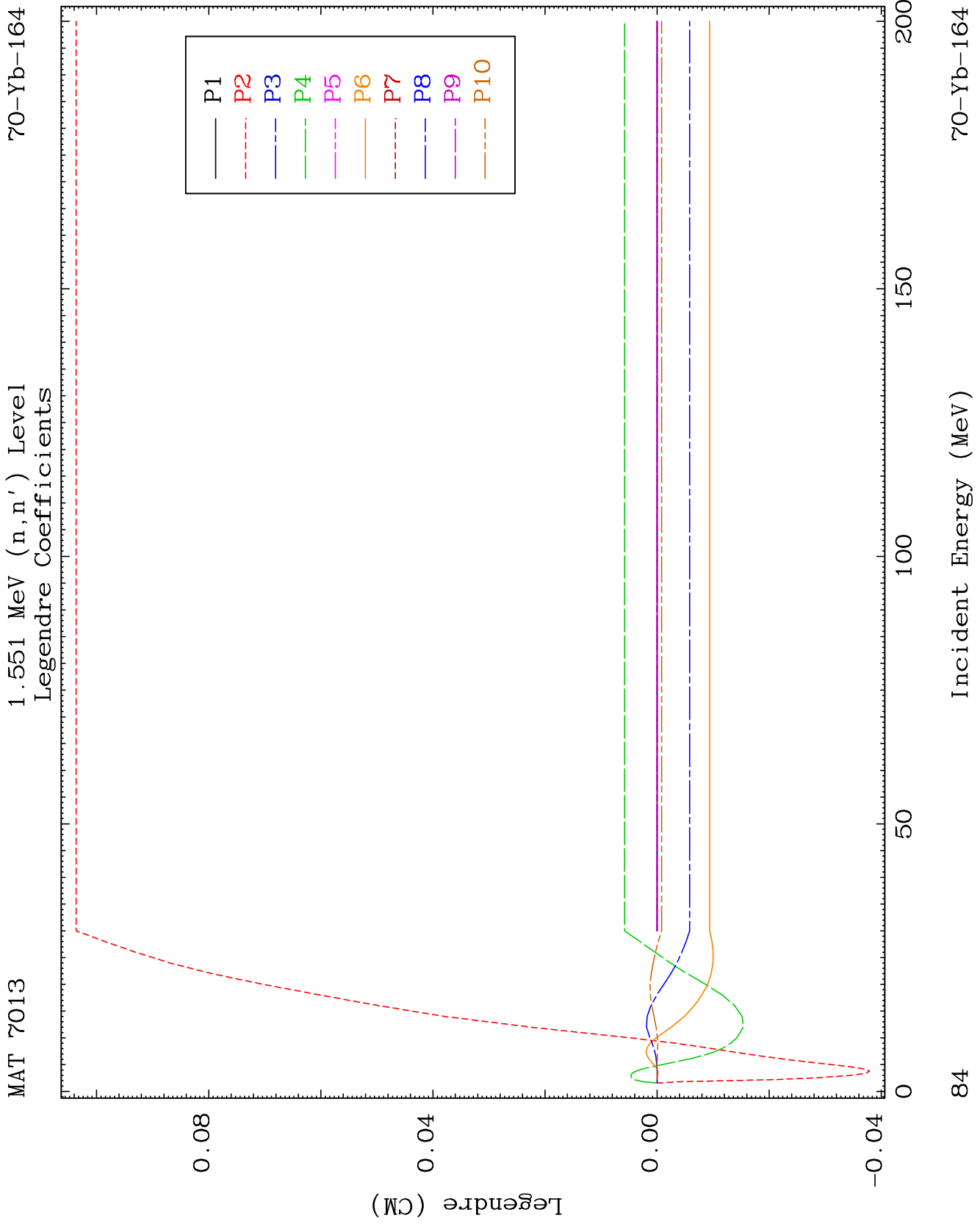
81

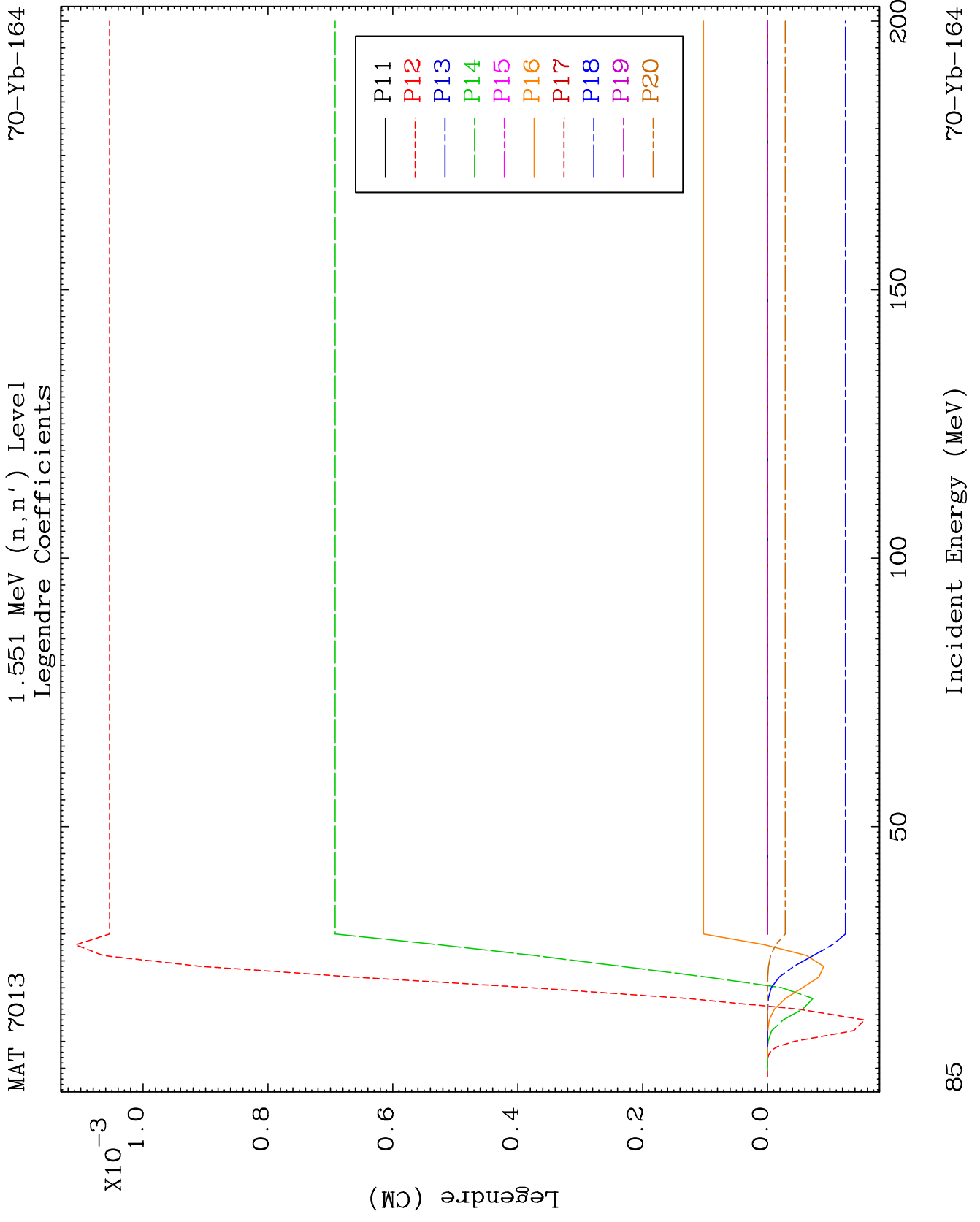
Incident Energy (MeV)

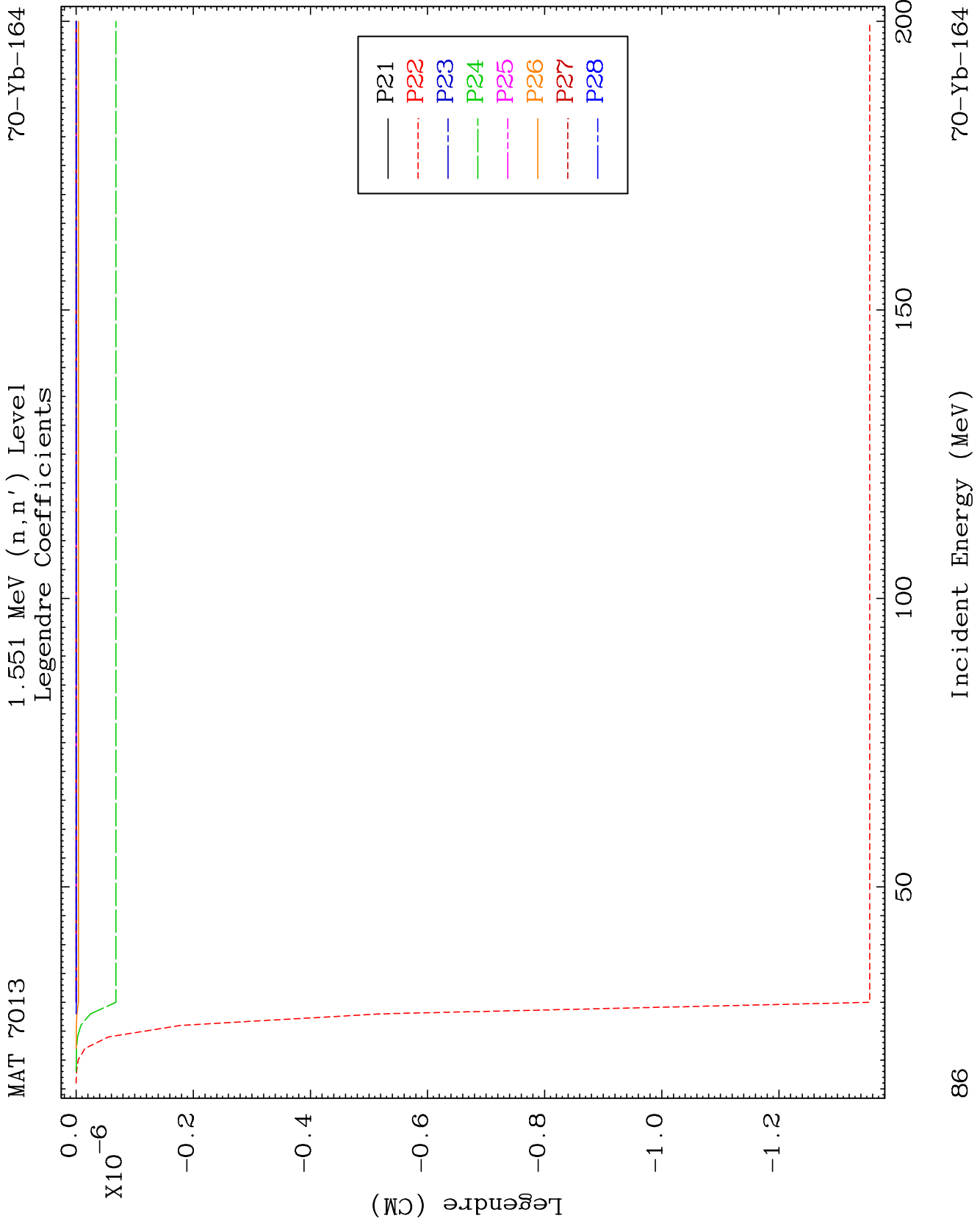
70-Yb-164

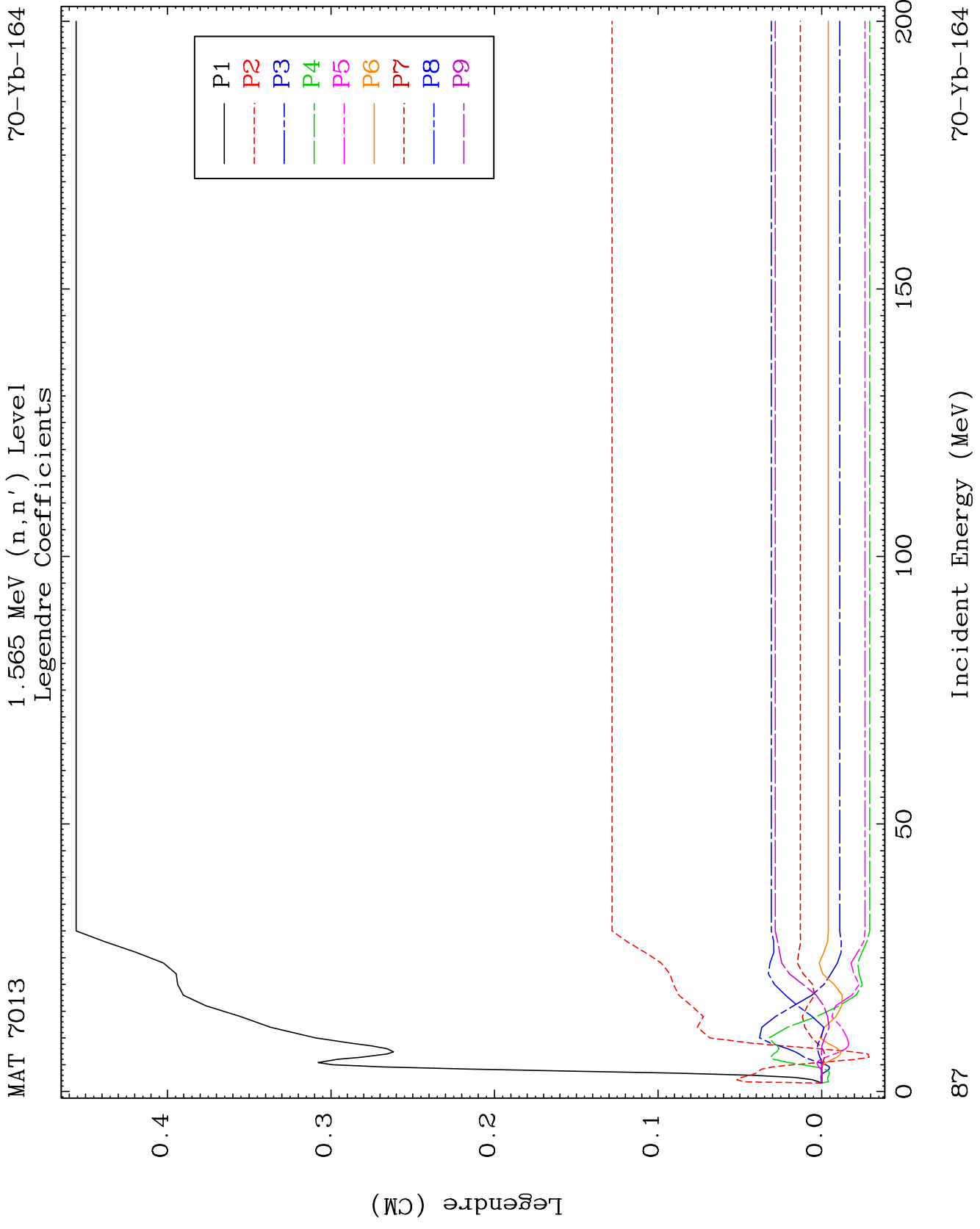








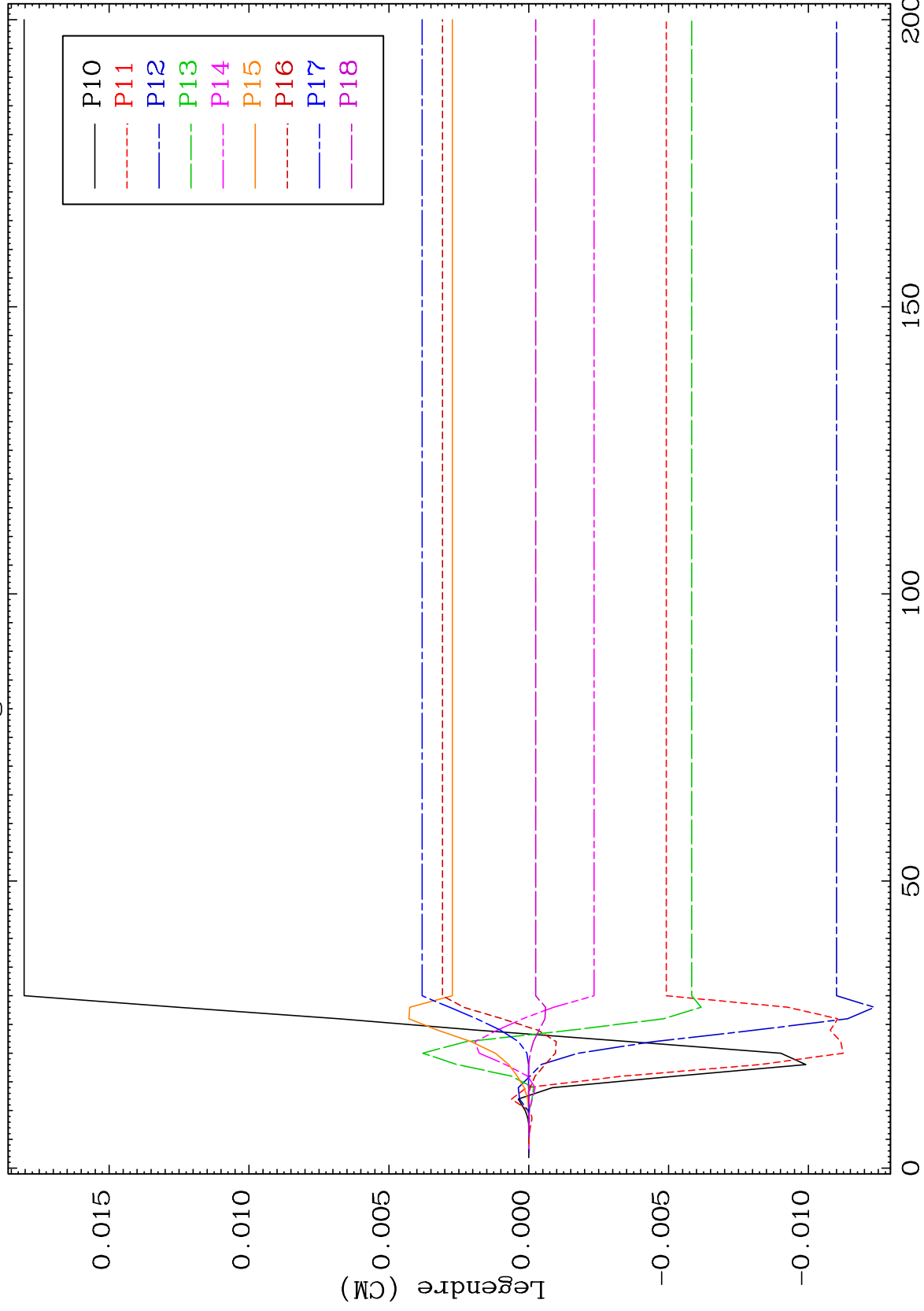




MAT 7013

1.565 MeV (n,n') Level
Legendre Coefficients

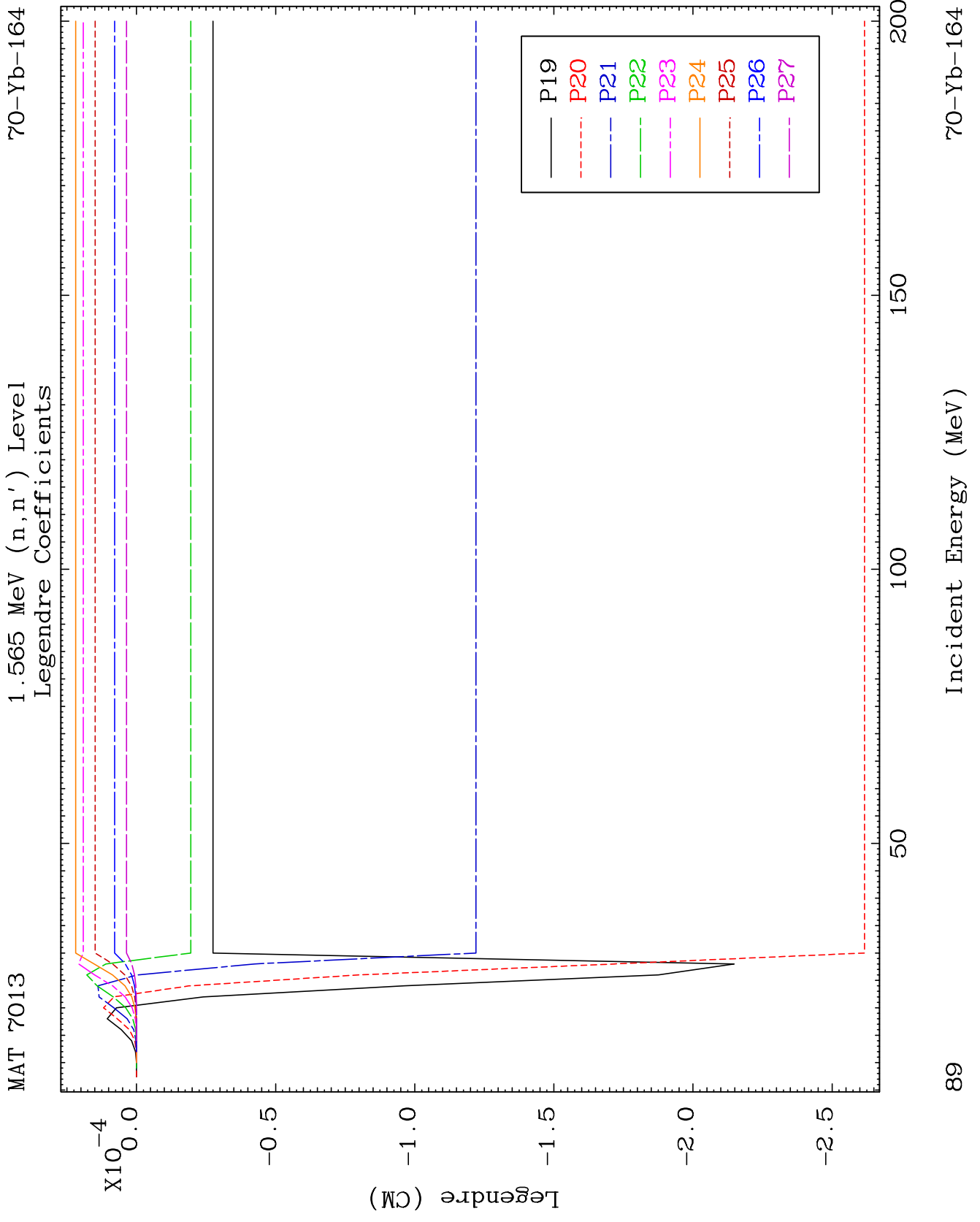
70-Yb-164

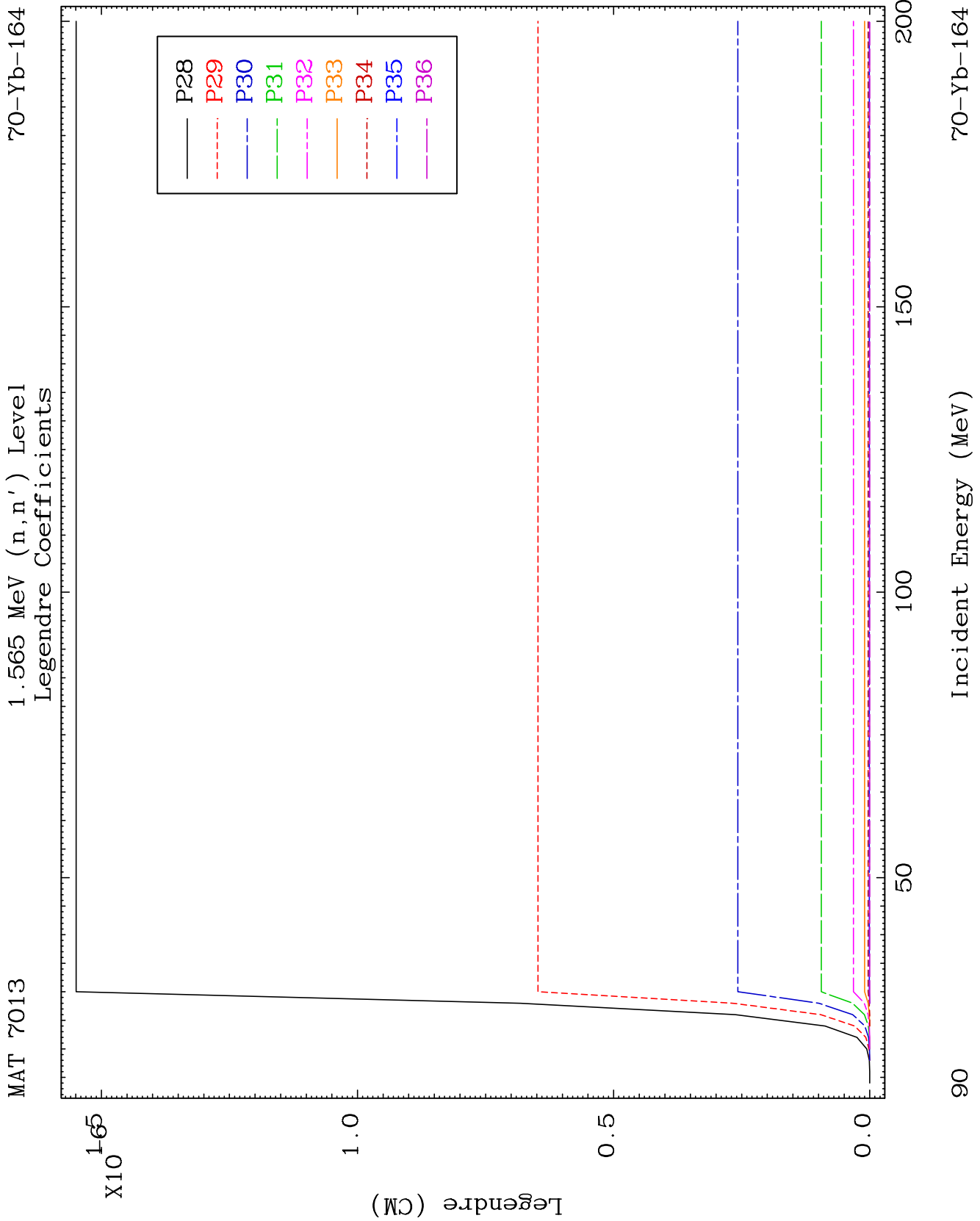


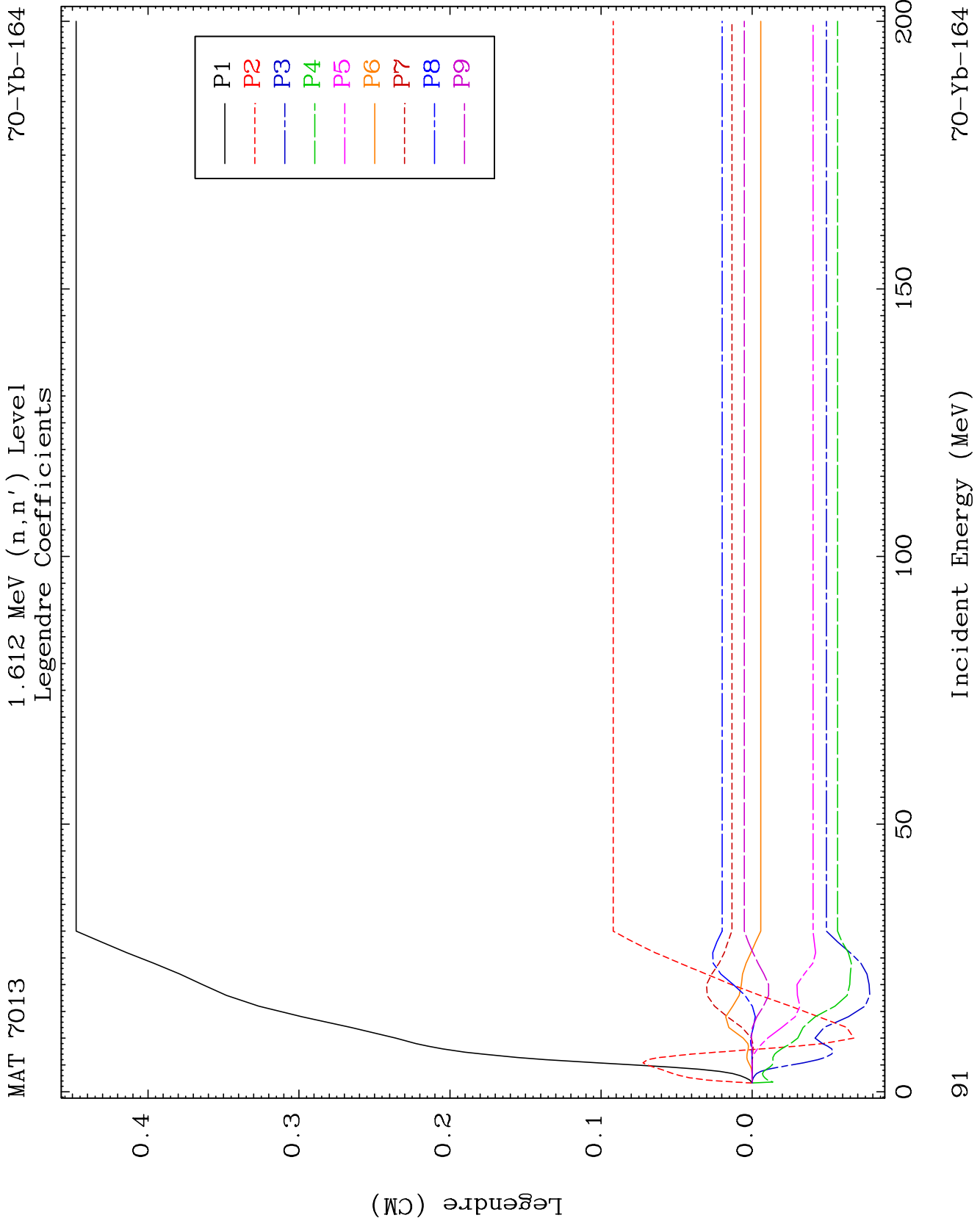
88

Incident Energy (MeV)

70-Yb-164



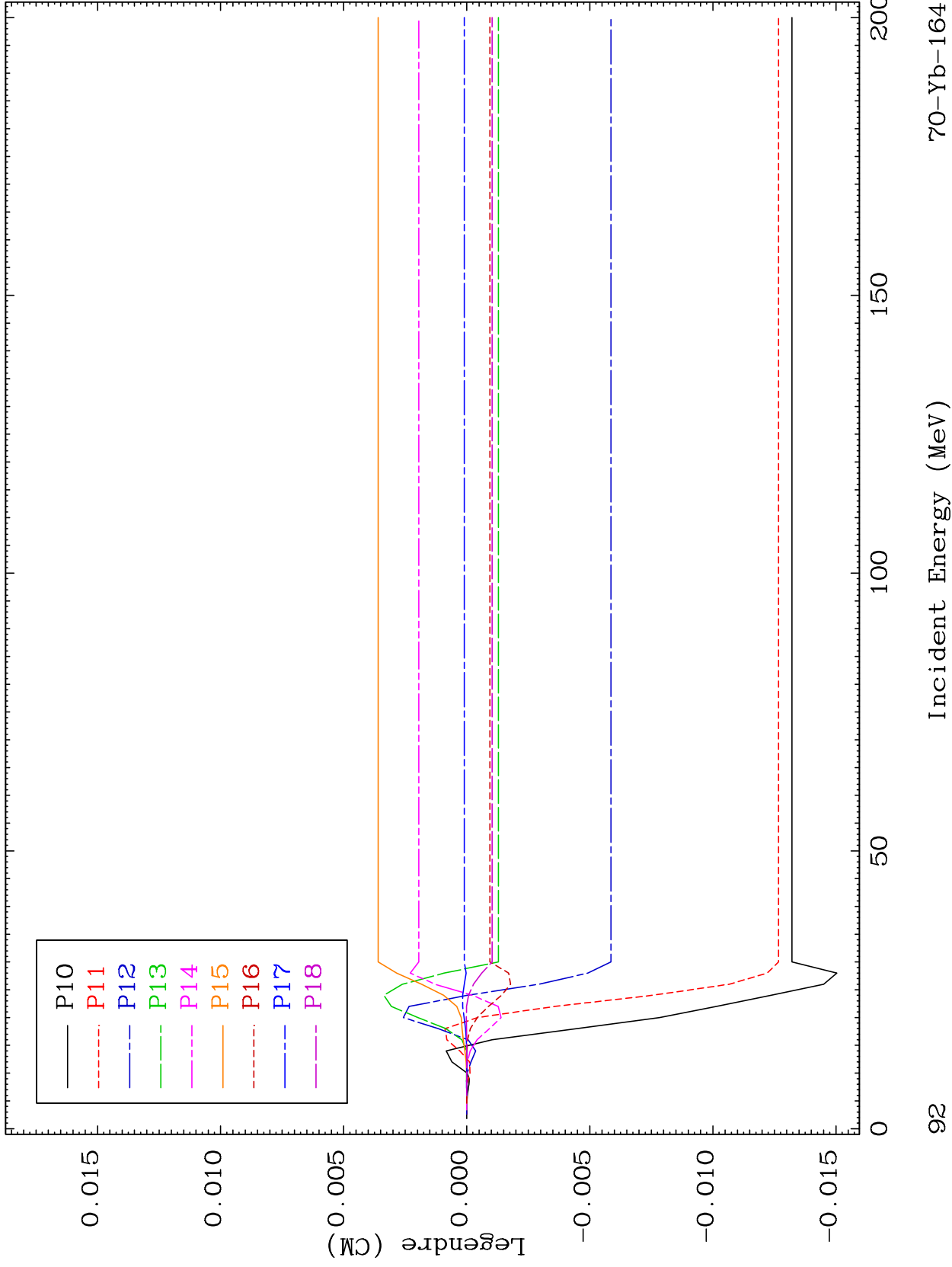




MAT 7013

1.612 MeV (n,n') Level
Legendre Coefficients

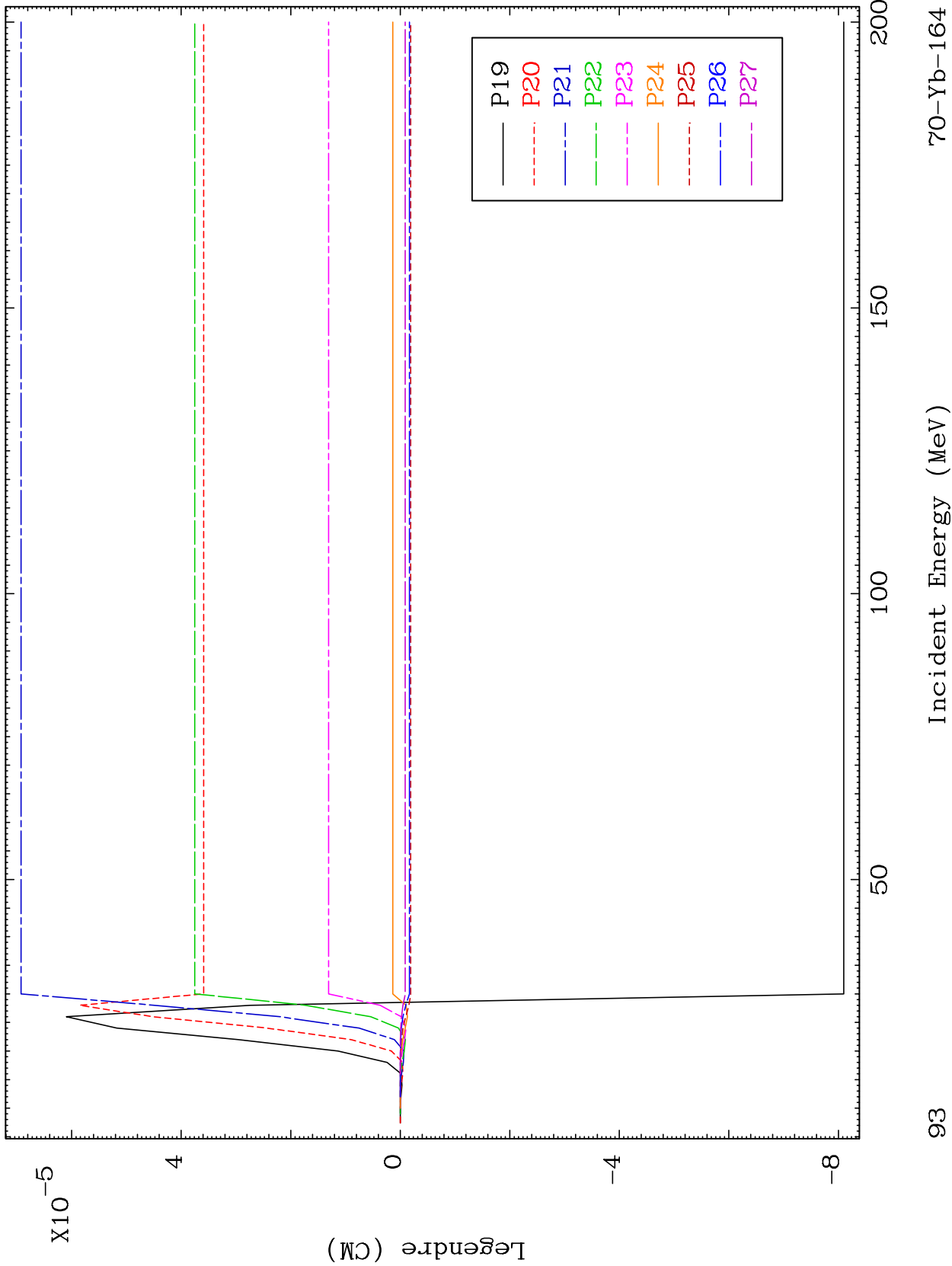
70-Yb-164

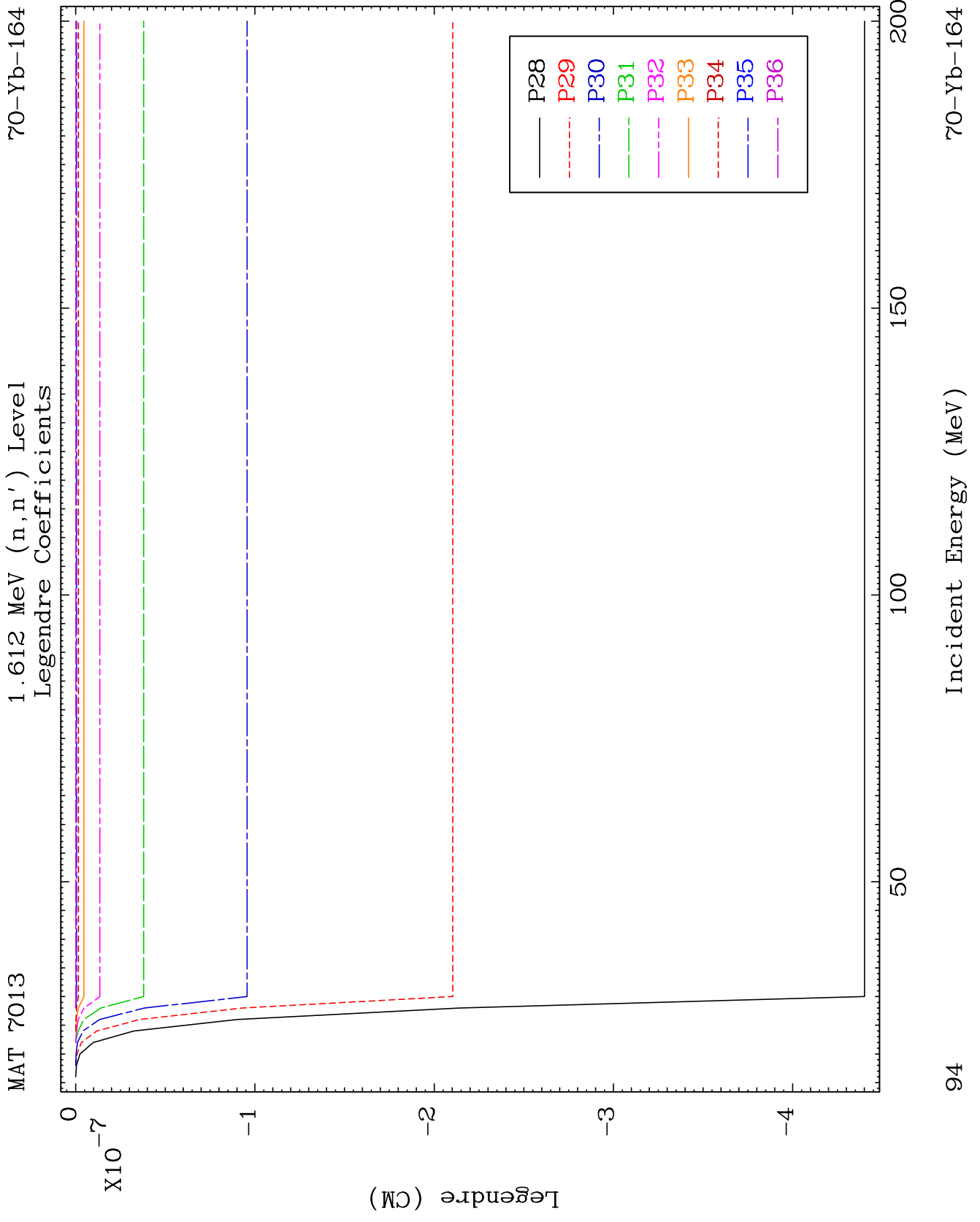


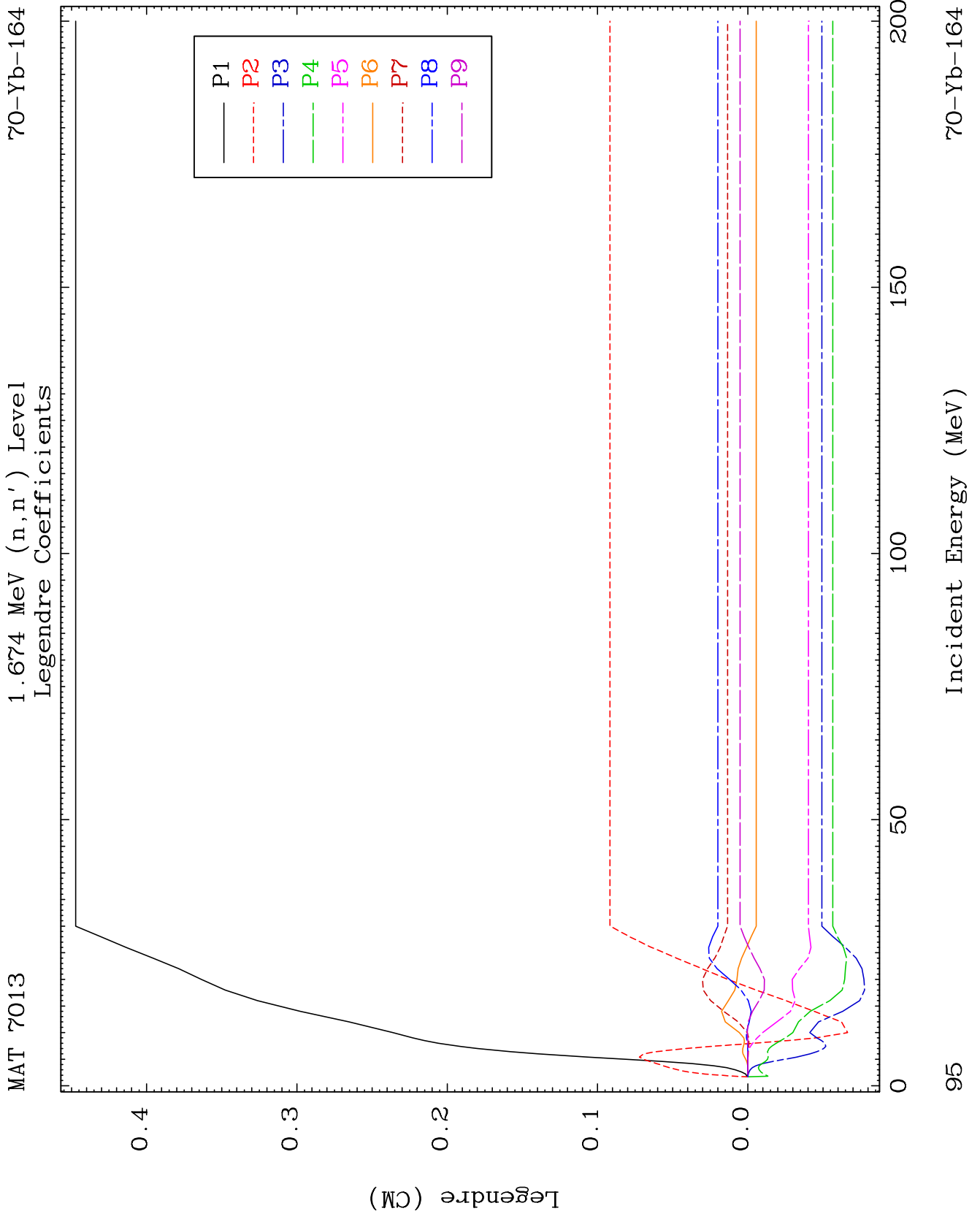
92

Incident Energy (MeV)

70-Yb-164



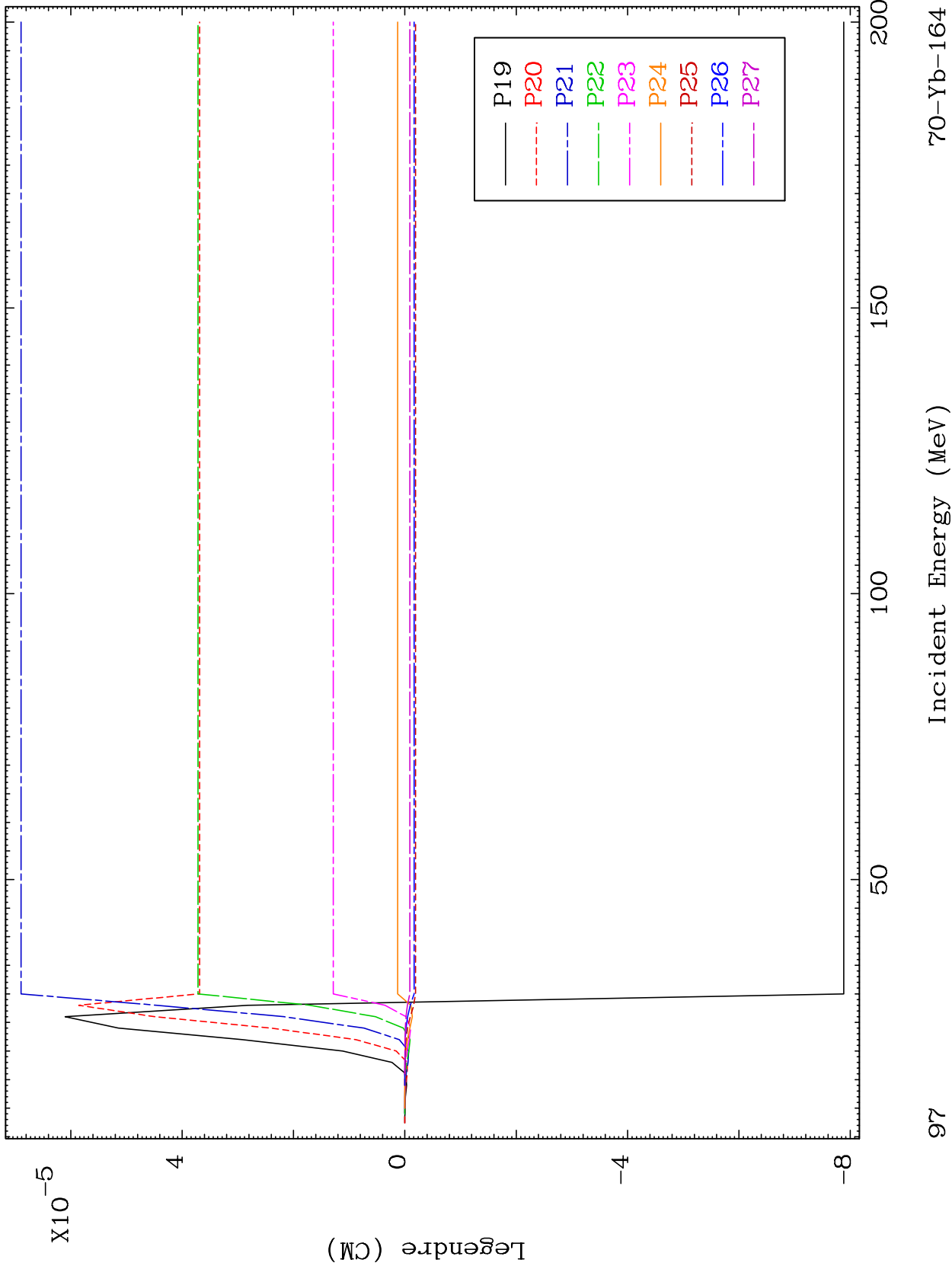


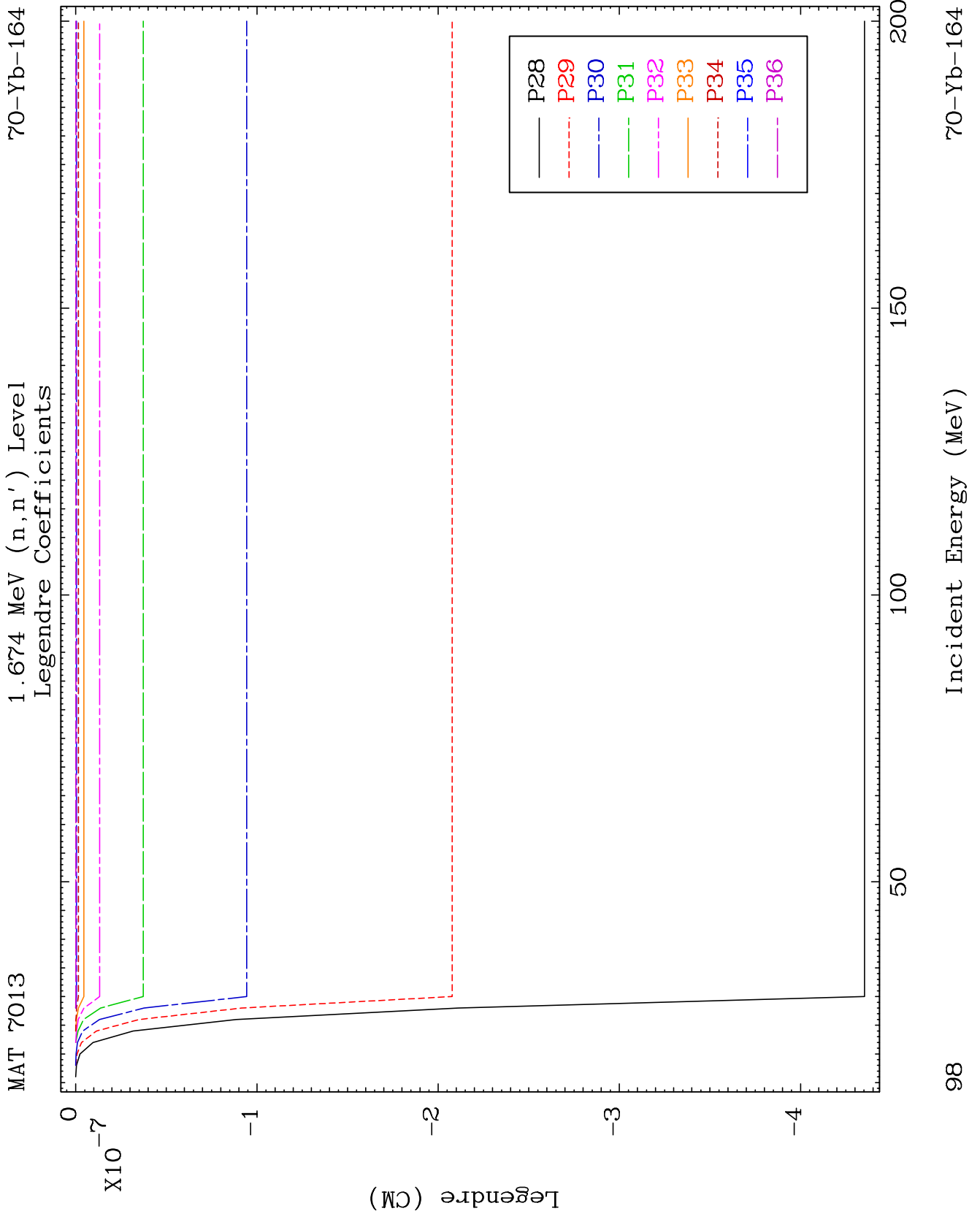


MAT 7013

1.674 MeV (n,n') Level
Legendre Coefficients

70-Yb-164

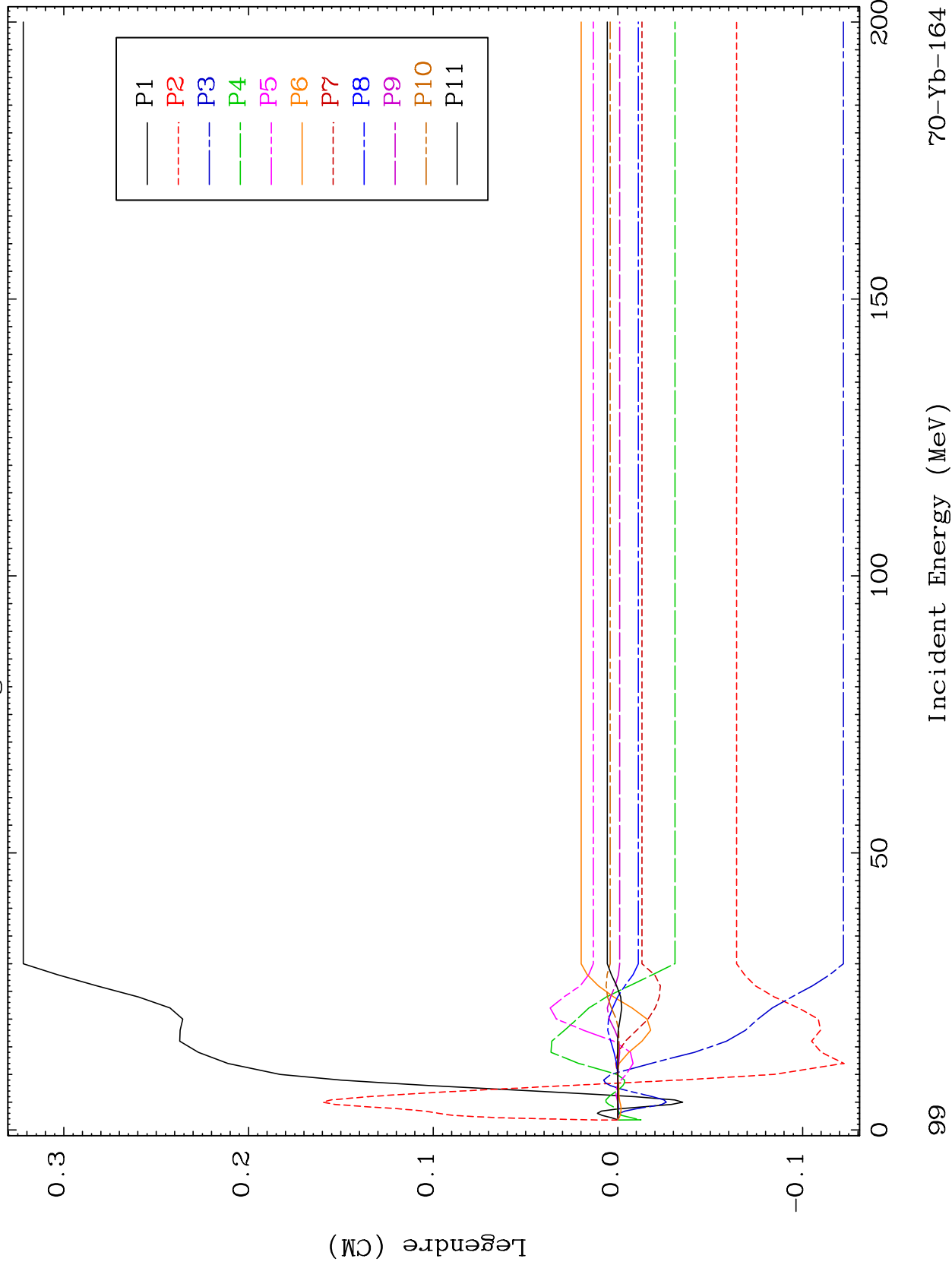




MAT 7013

1.753 MeV (n,n') Level
Legendre Coefficients

70-Yb-164



70-Yb-164

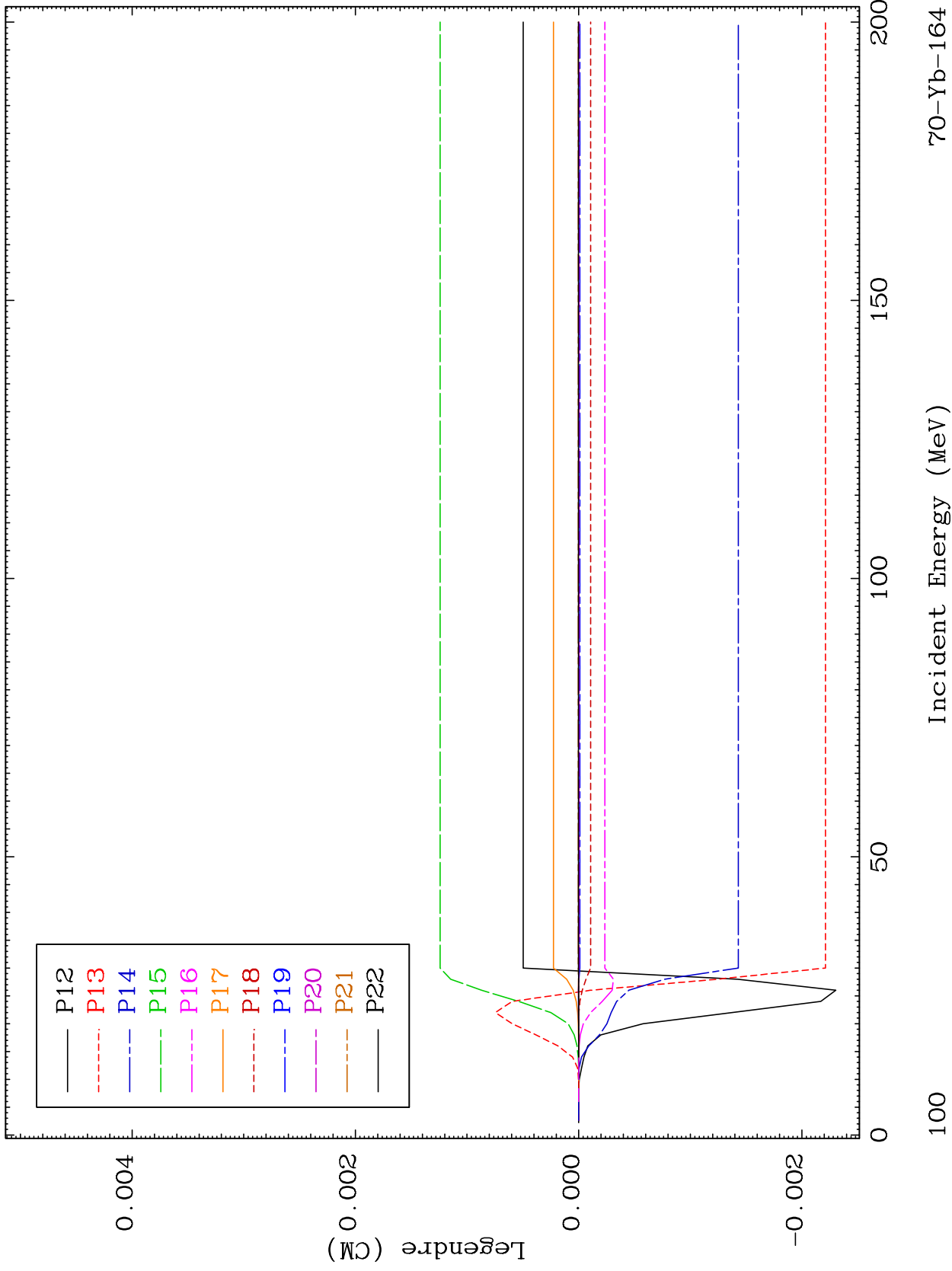
Incident Energy (MeV)

99

MAT 7013

1.753 MeV (n,n') Level
Legendre Coefficients

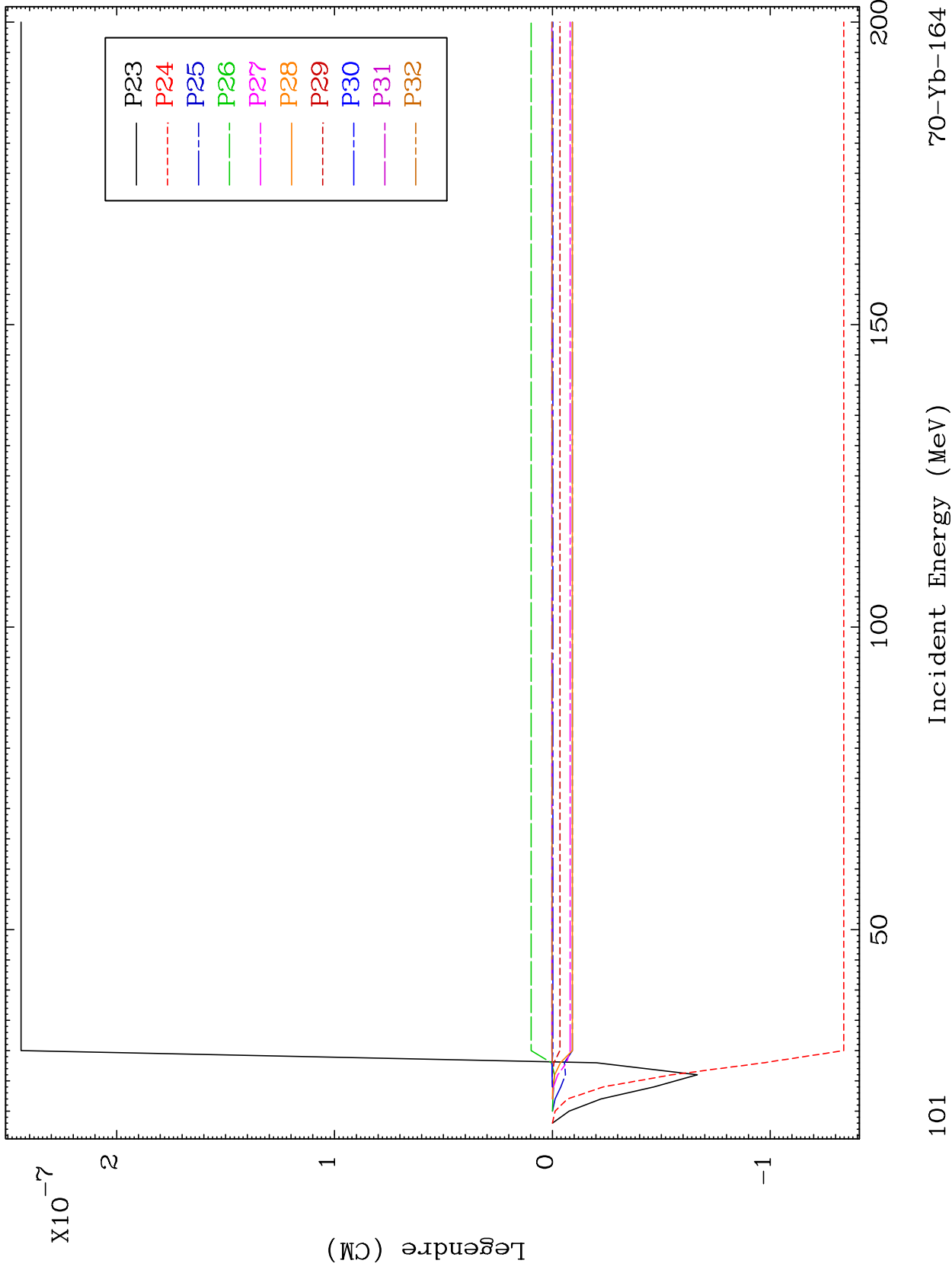
70-Yb-164



MAT 7013

1.753 MeV (n,n') Level
Legendre Coefficients

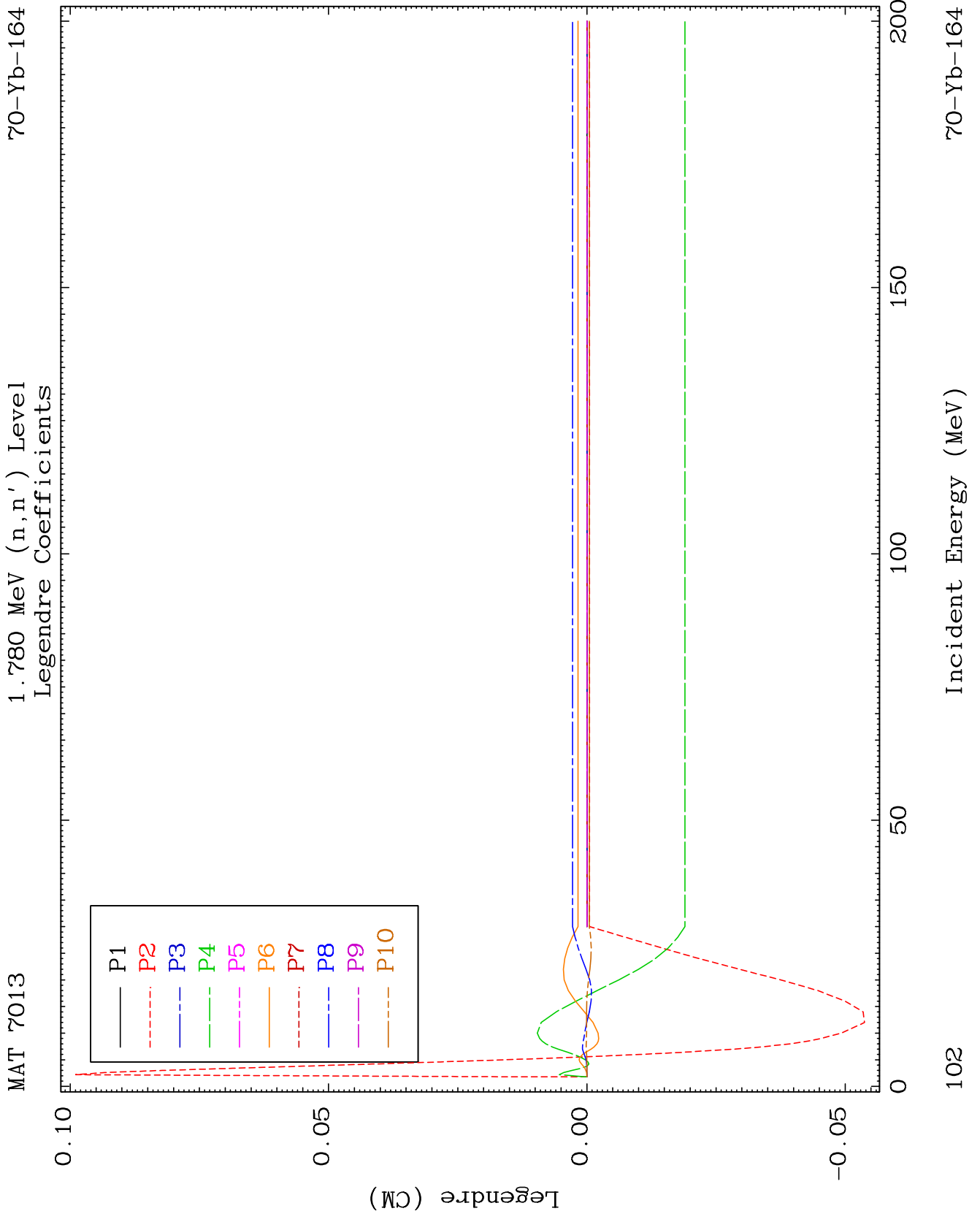
70-Yb-164



101

Incident Energy (MeV)

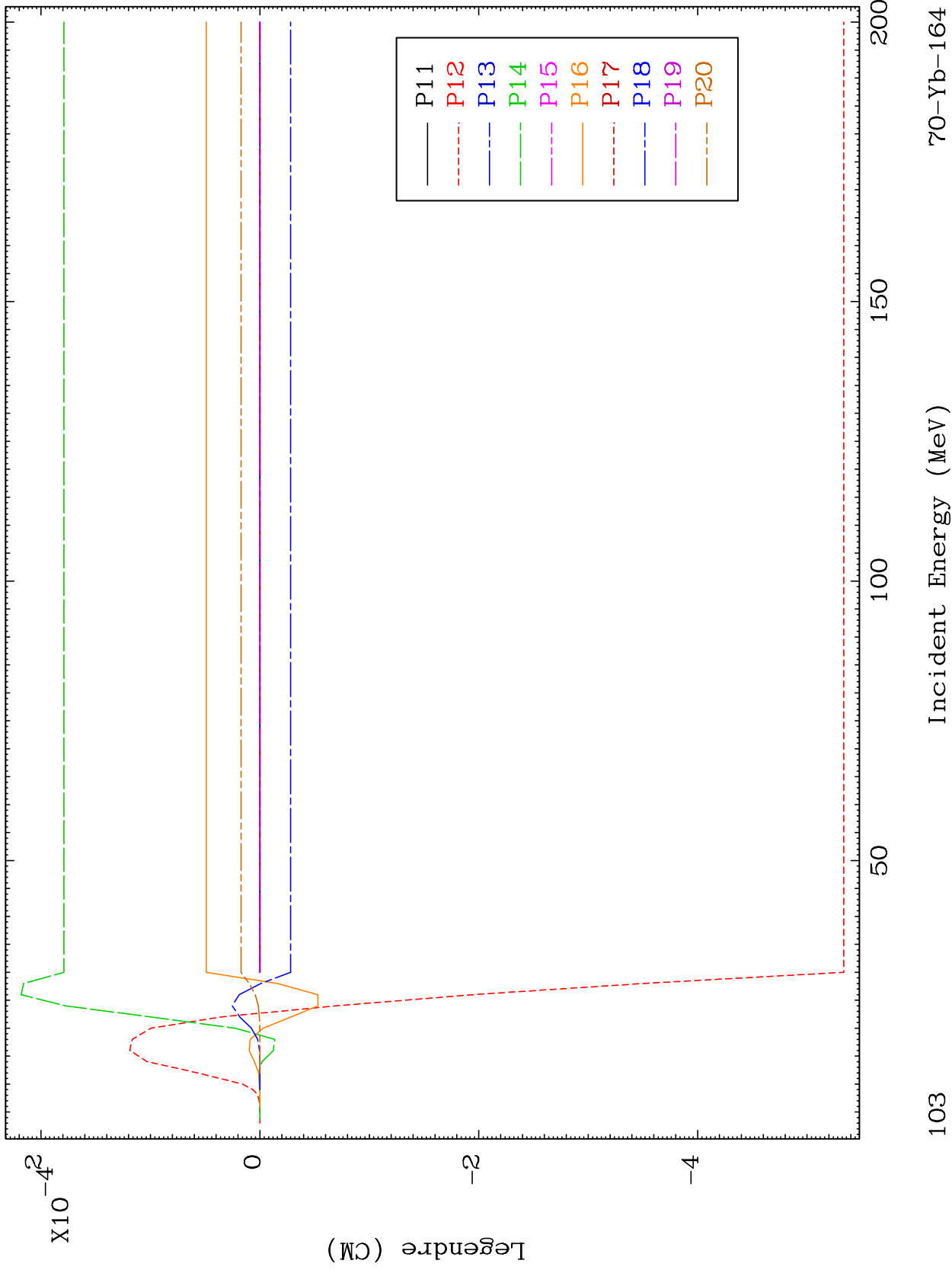
70-Yb-164



MAT 7013

1.780 MeV (n,n') Level
Legendre Coefficients

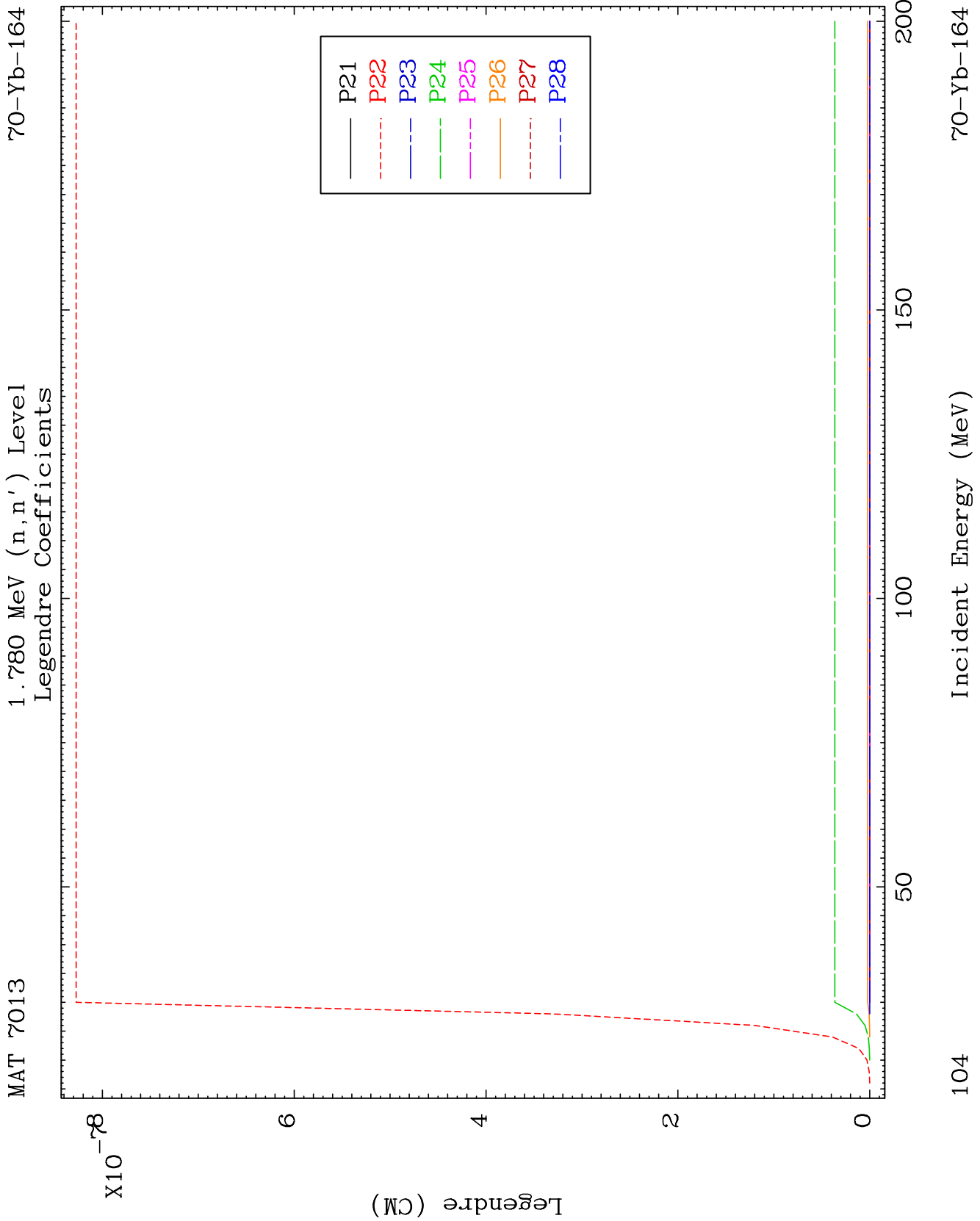
70-Yb-164

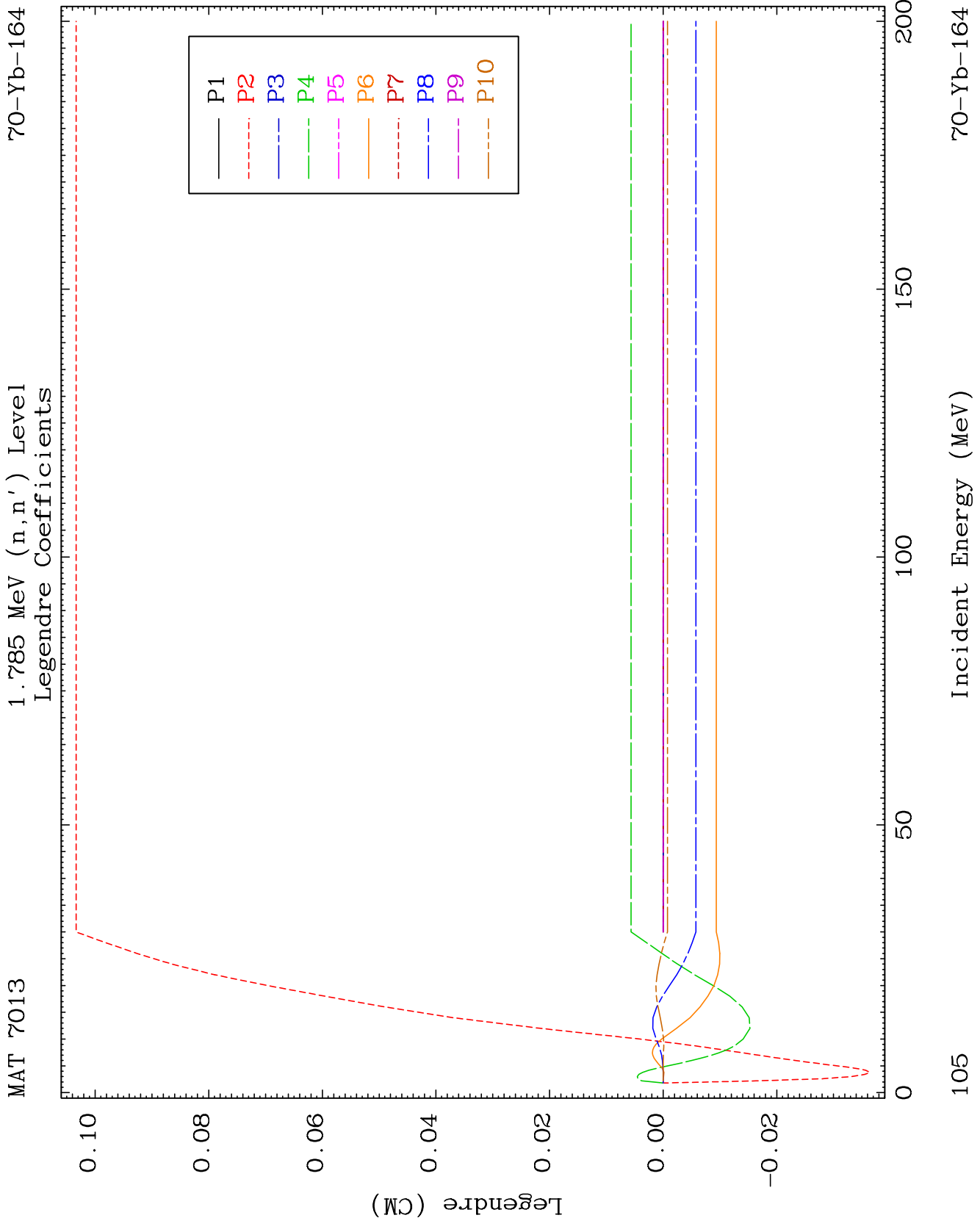


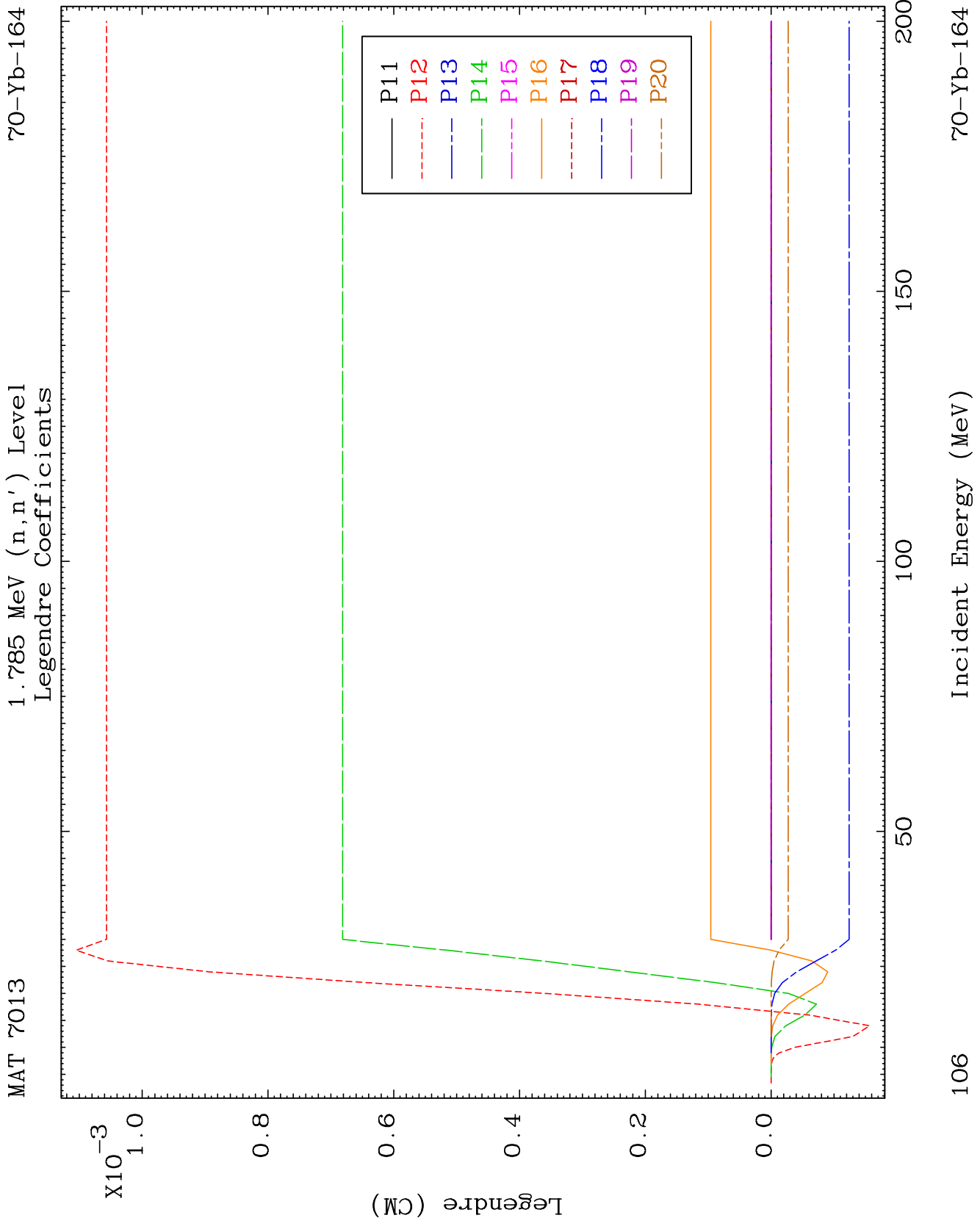
103

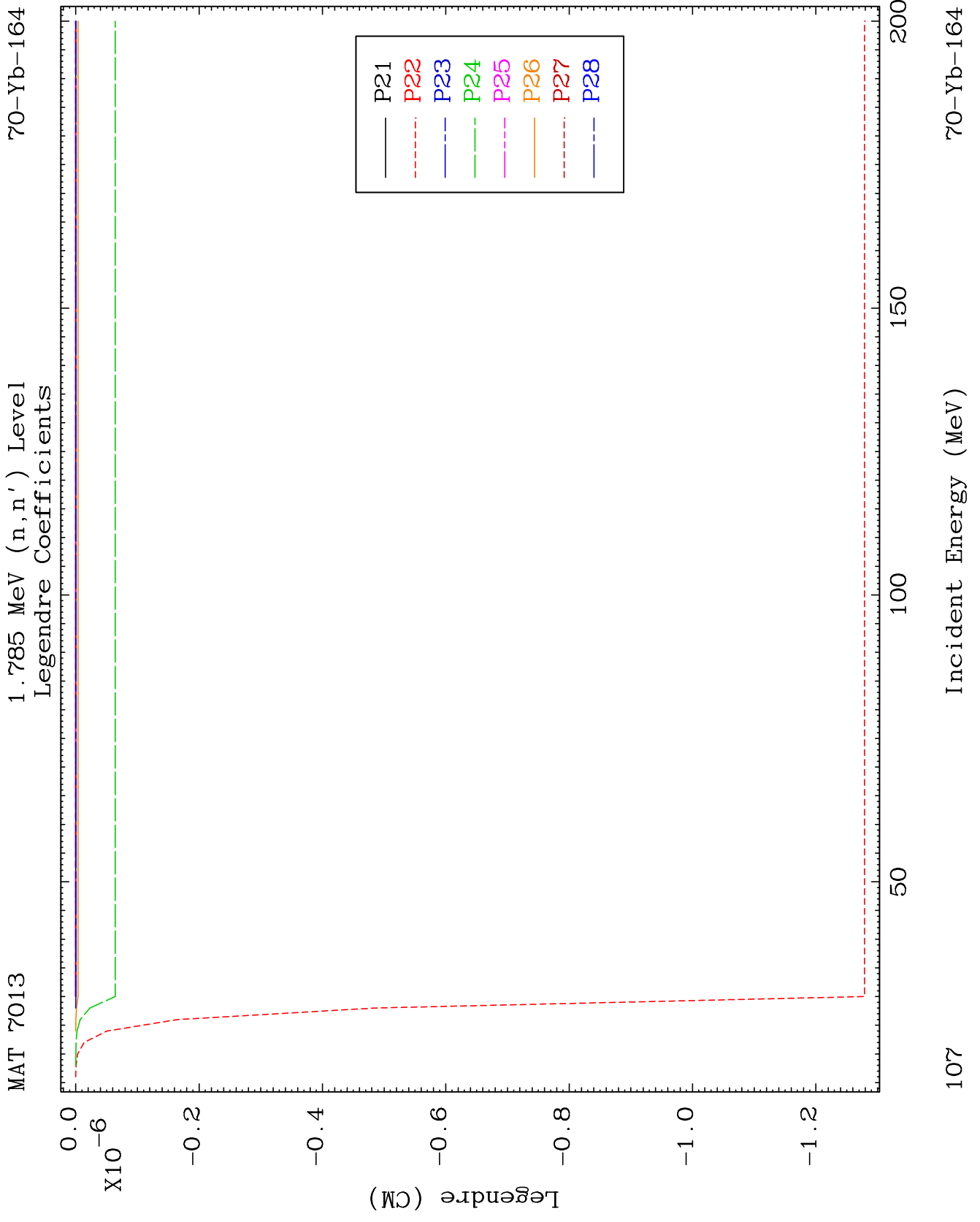
Incident Energy (MeV)

70-Yb-164





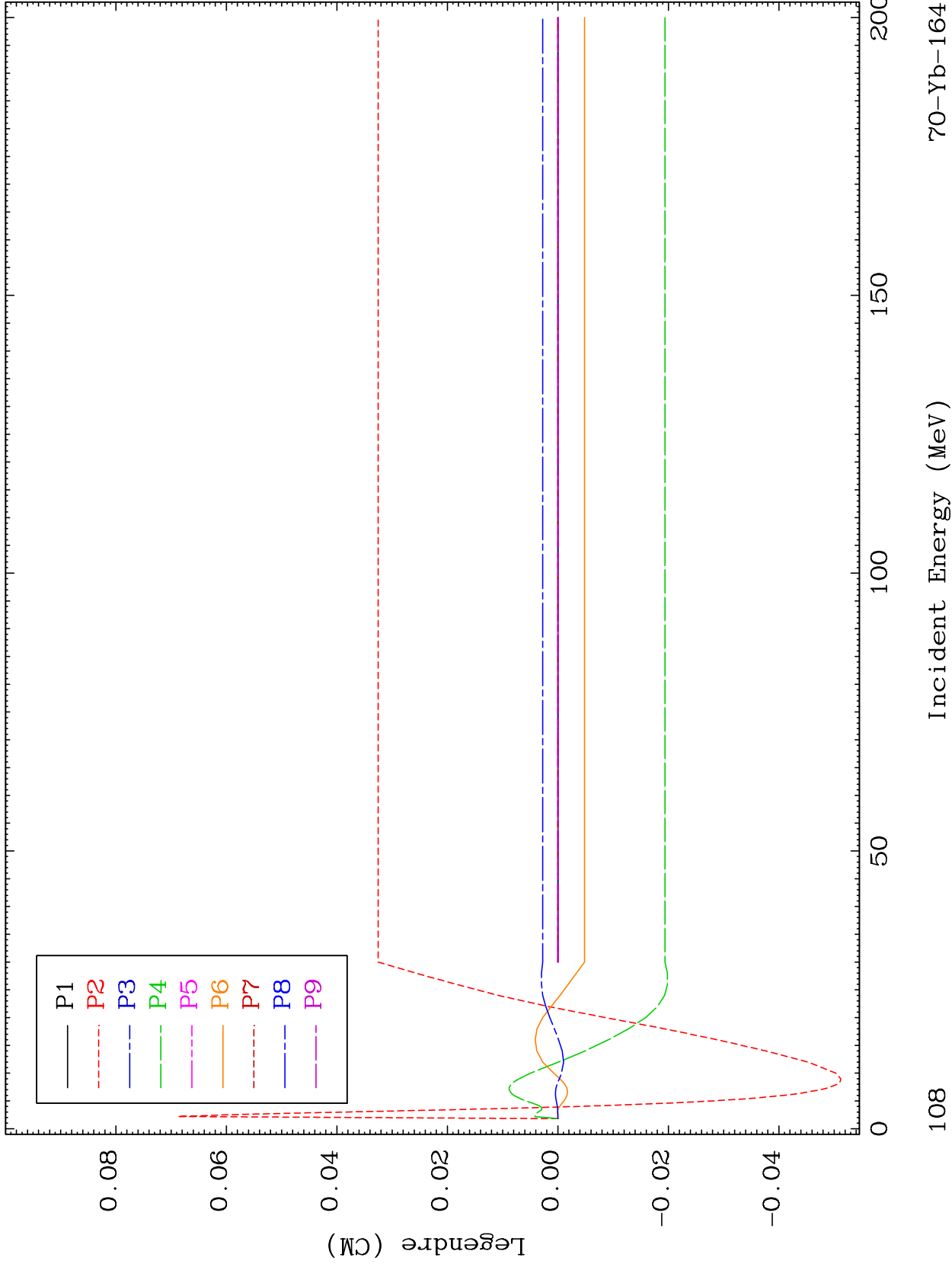




MAT 7013

1.798 MeV (n,n') Level
Legendre Coefficients

70-Yb-164



70-Yb-164

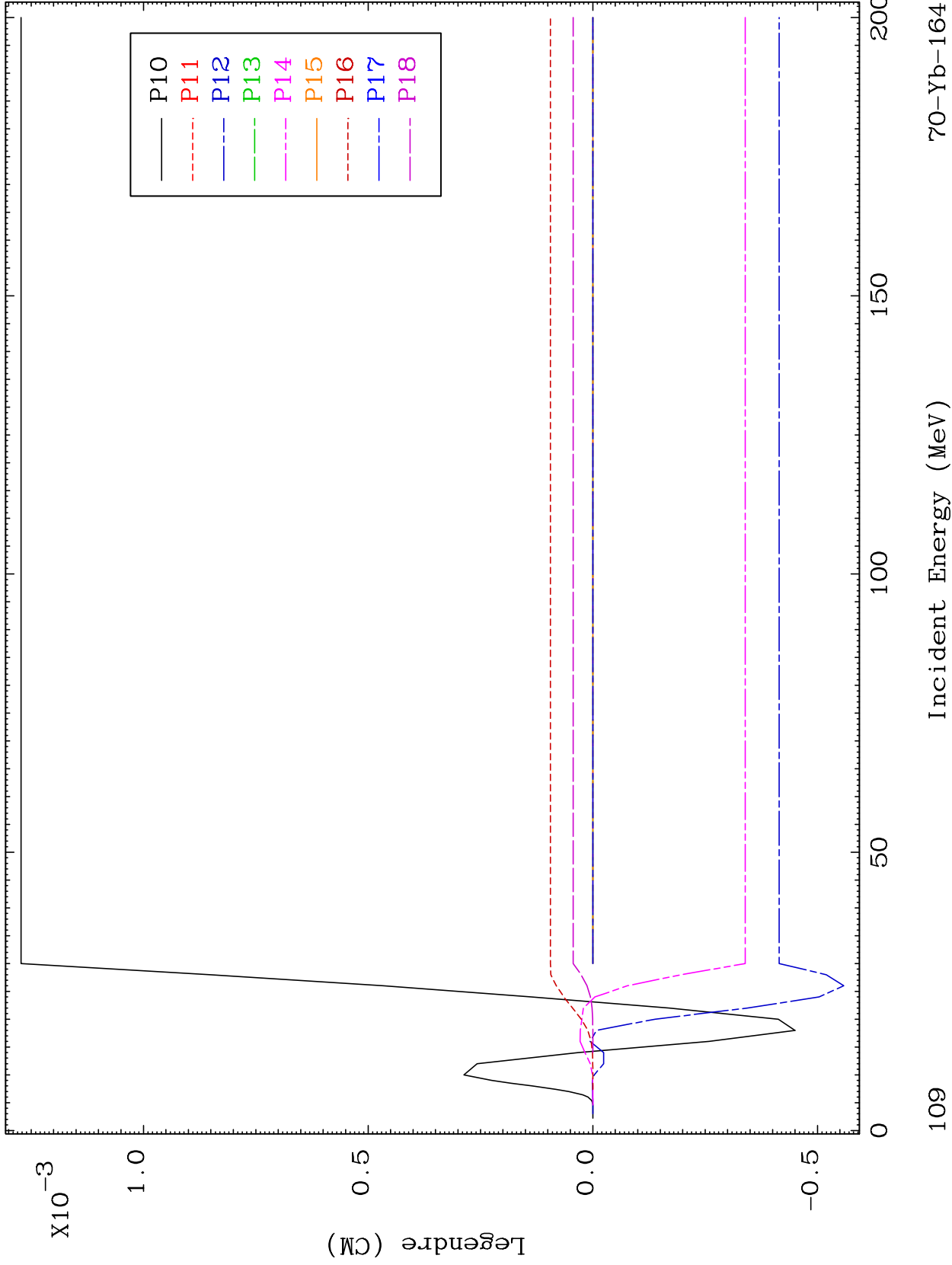
Incident Energy (MeV)

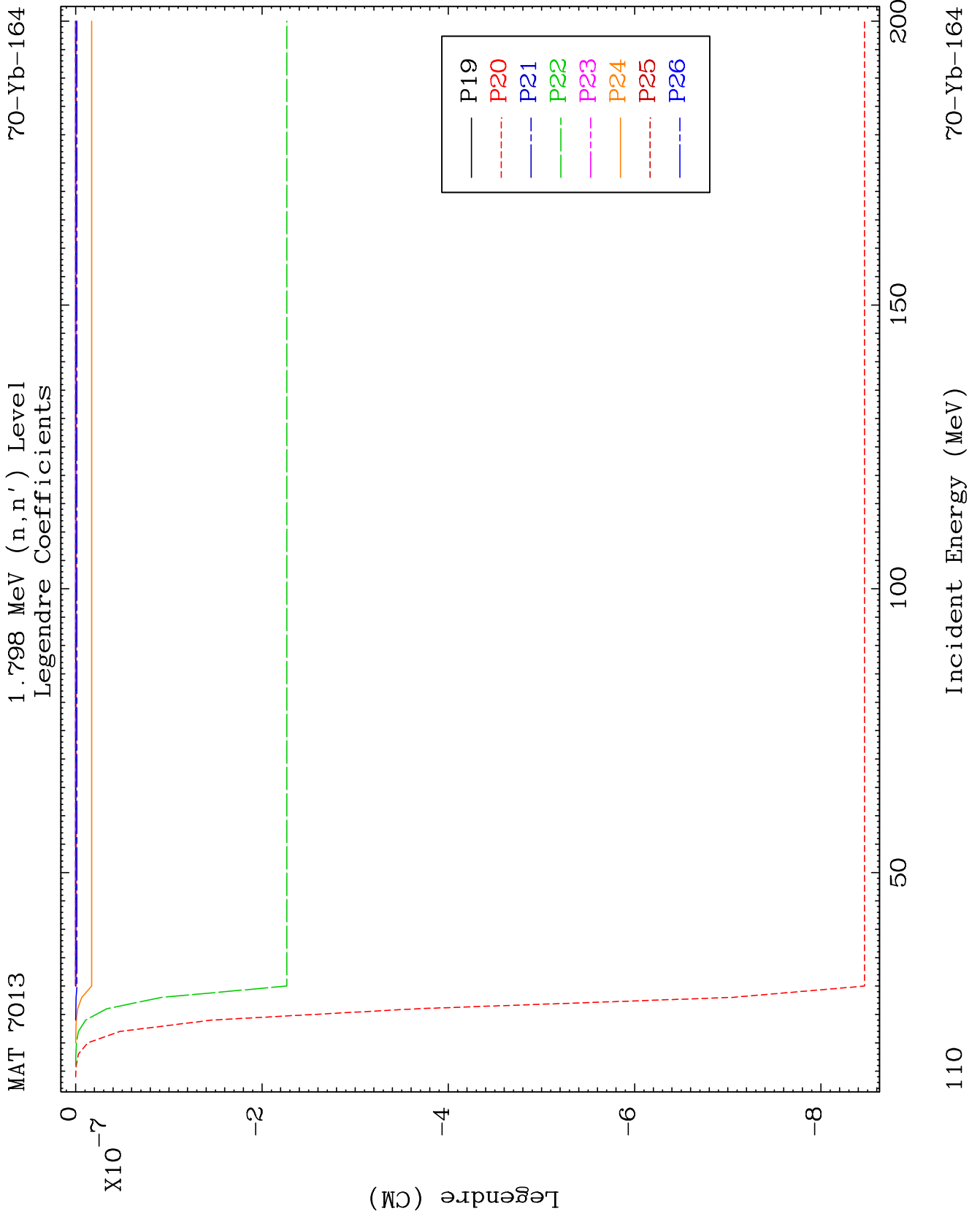
108

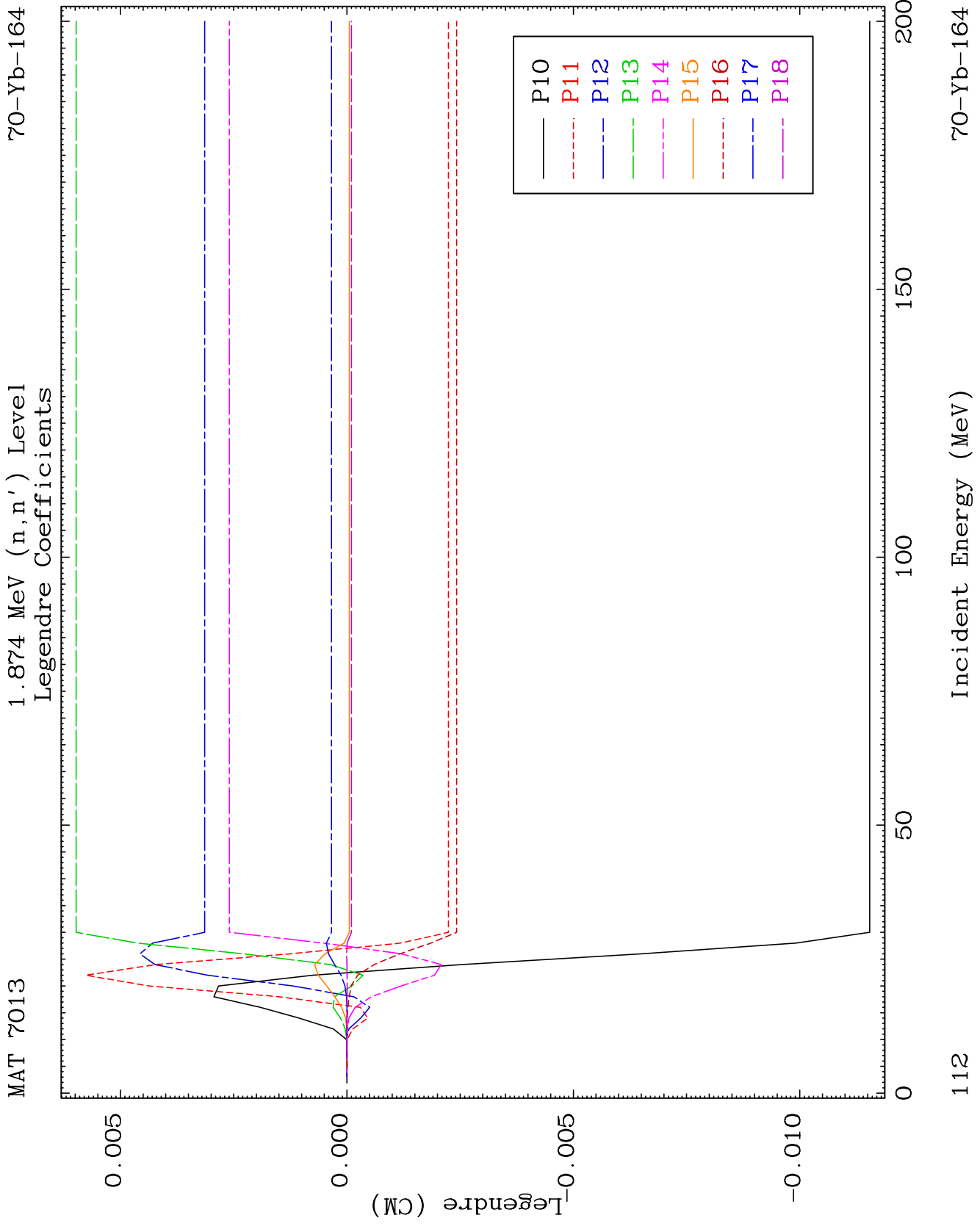
MAT 7013

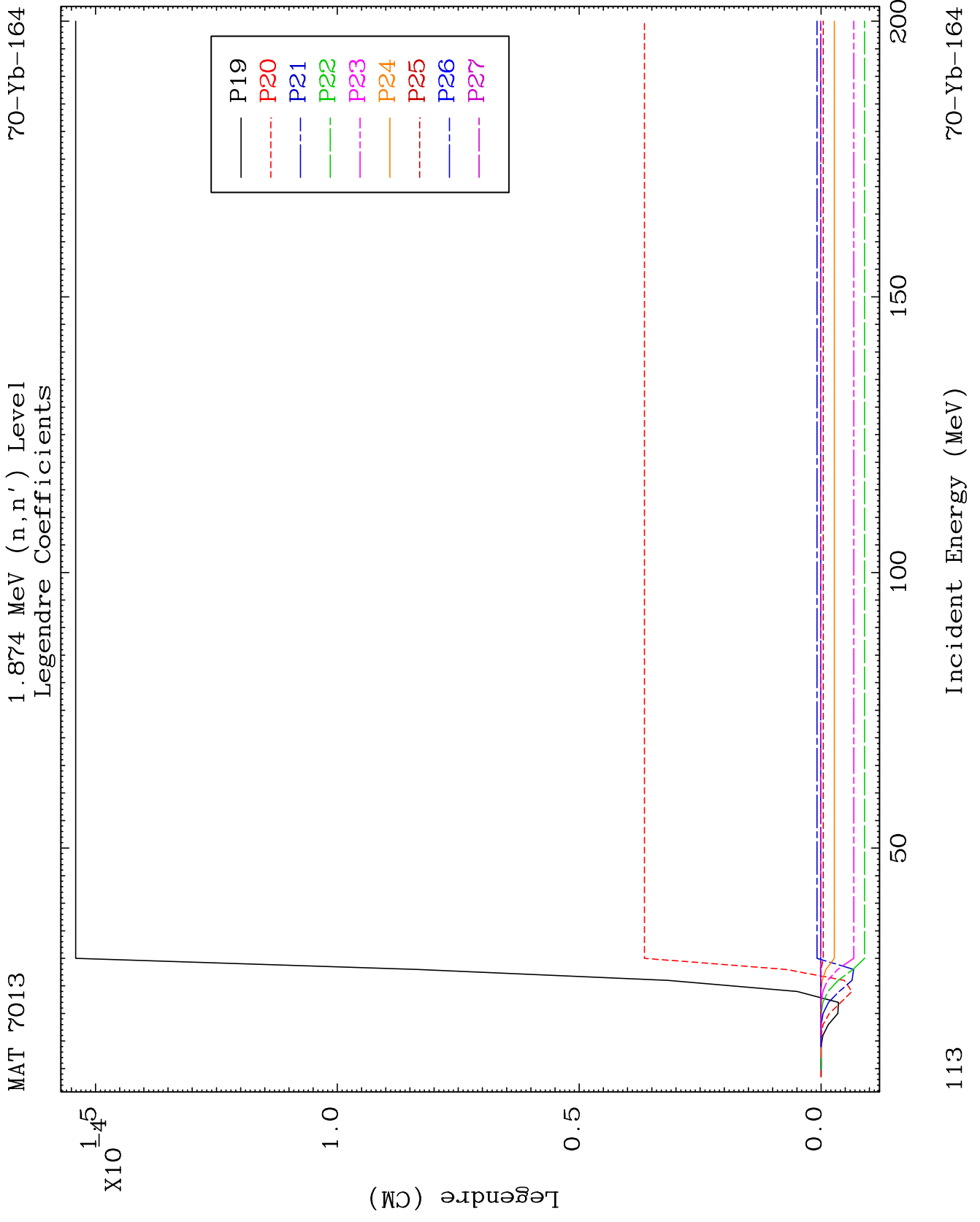
1.798 MeV (n,n') Level
Legendre Coefficients

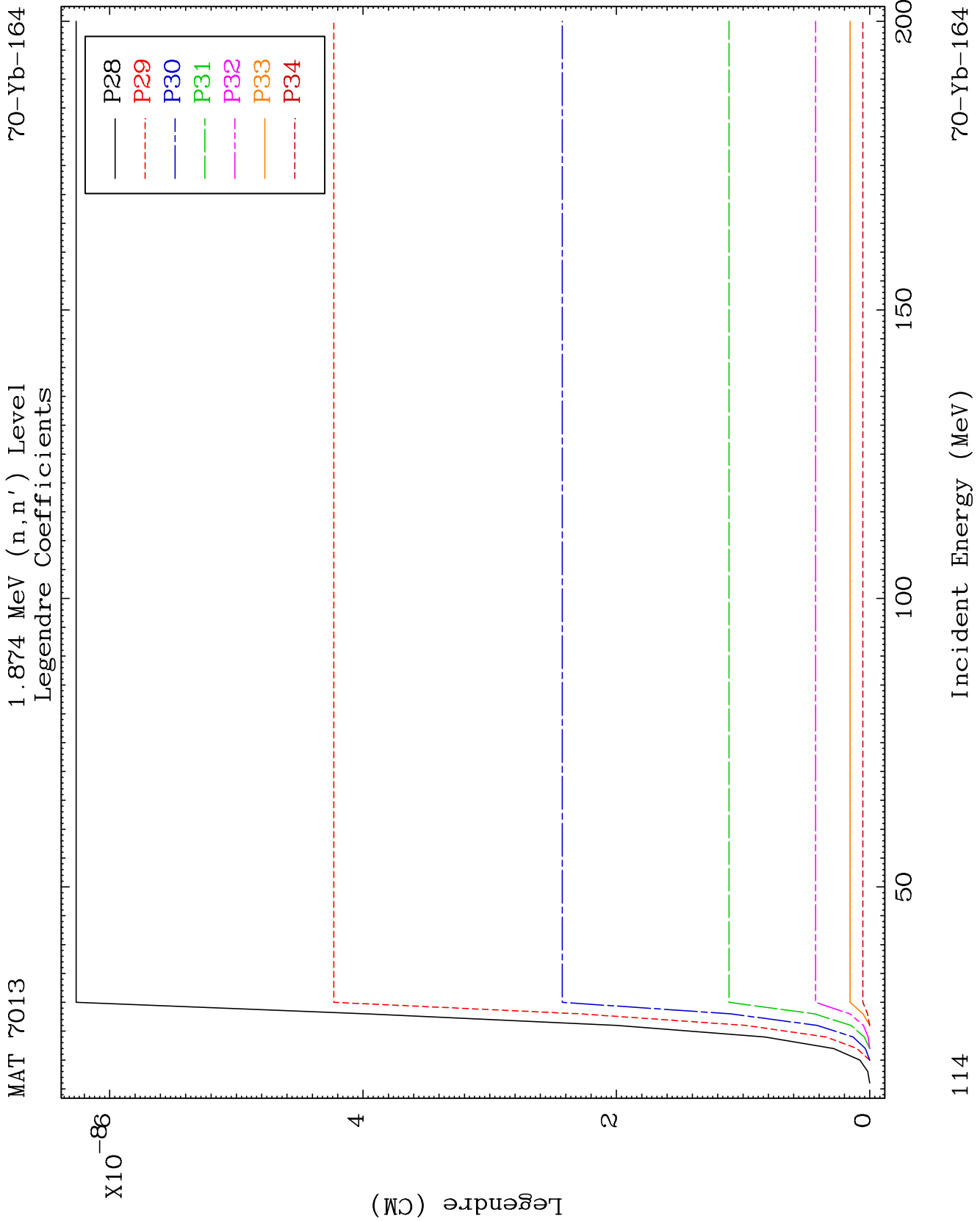
70-Yb-164

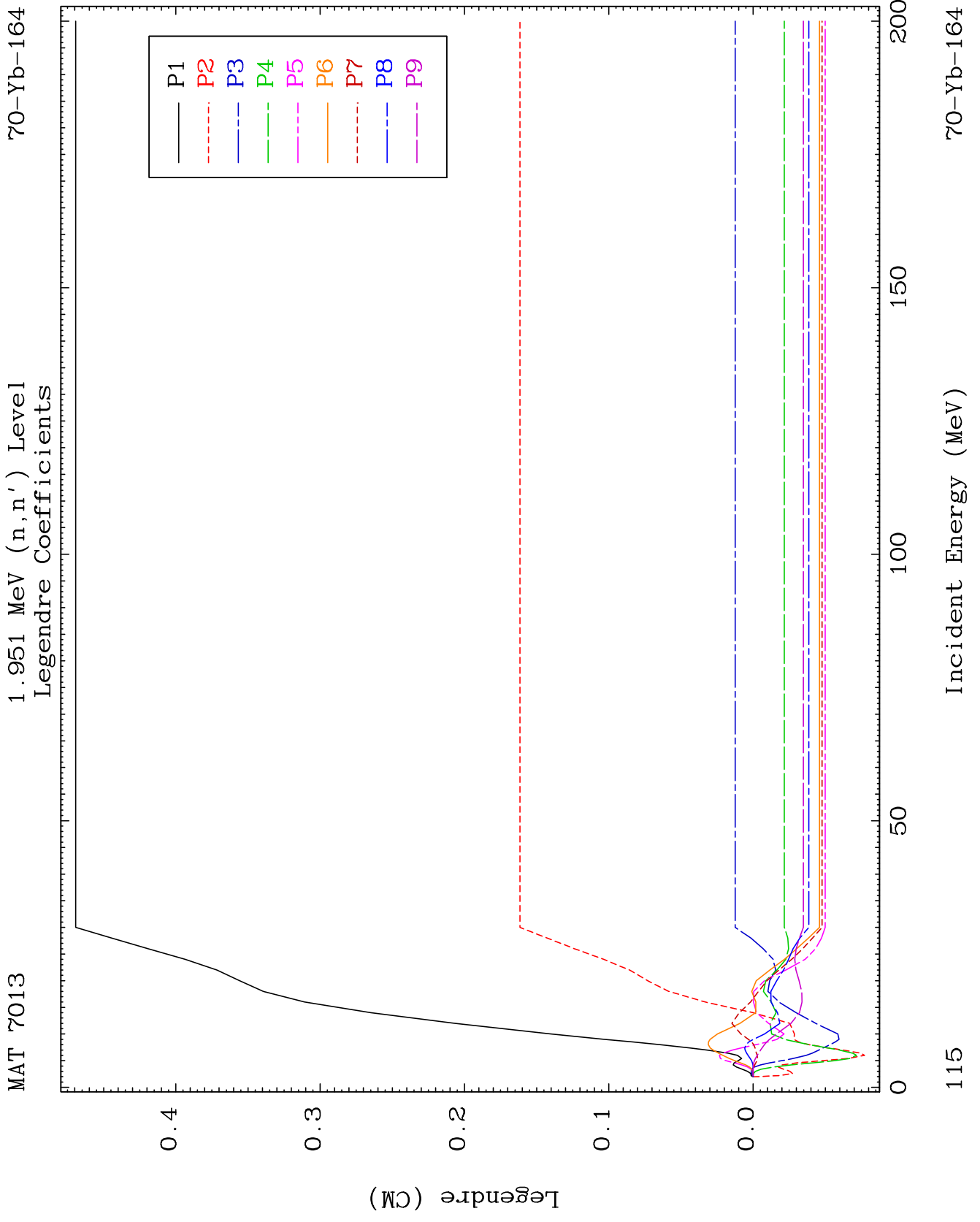








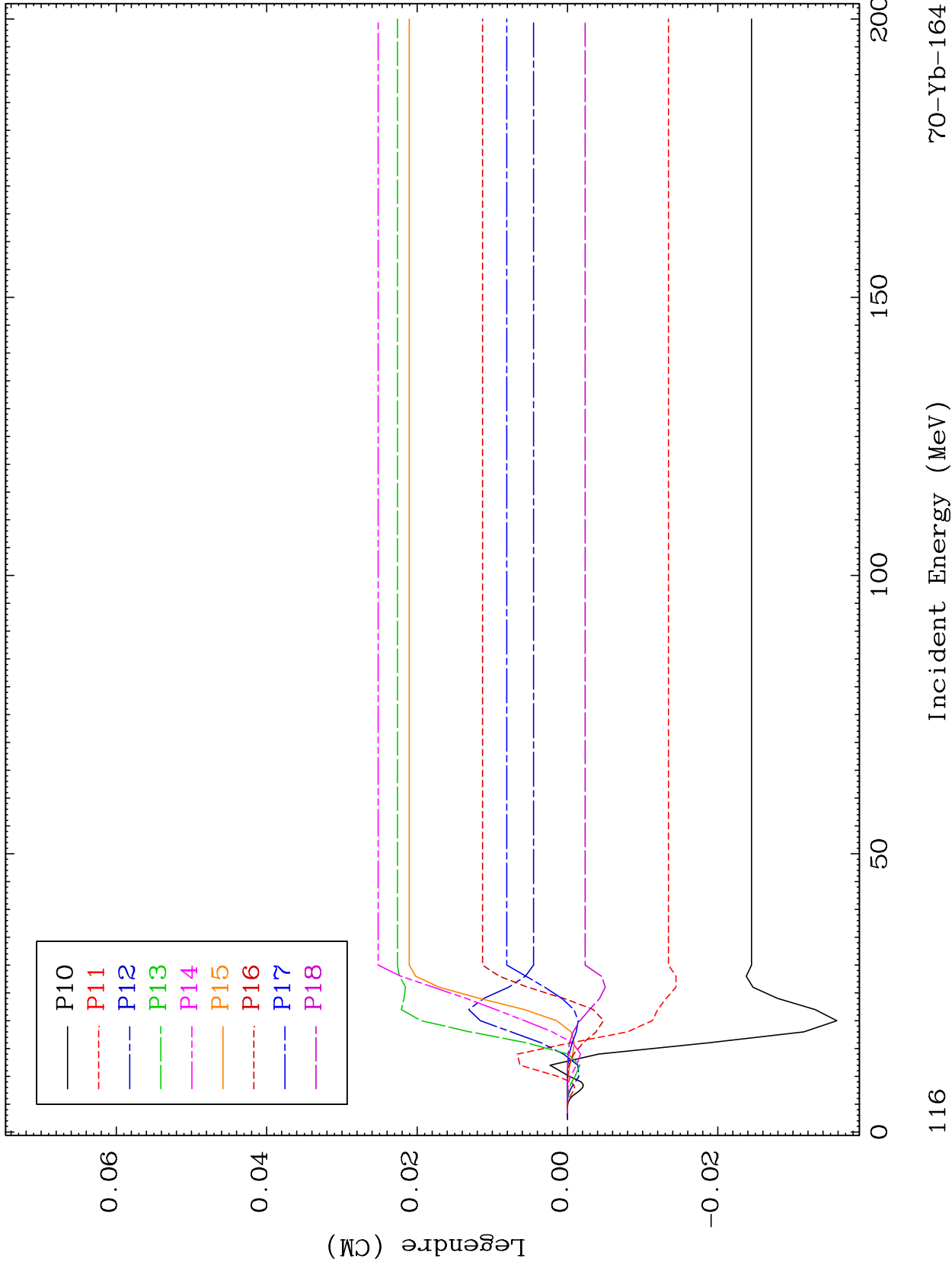




MAT 7013

1.951 MeV (n,n') Level
Legendre Coefficients

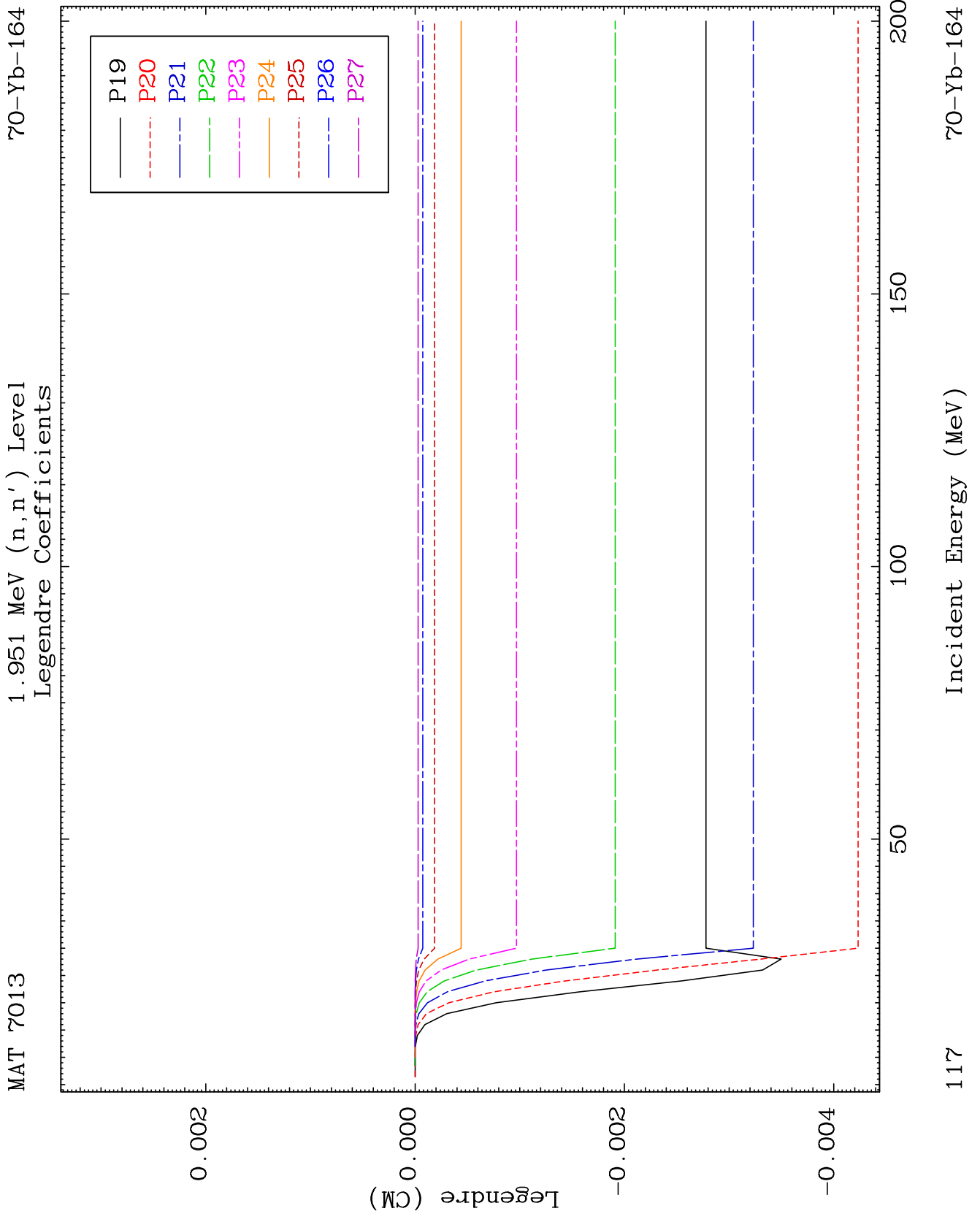
70-Yb-164

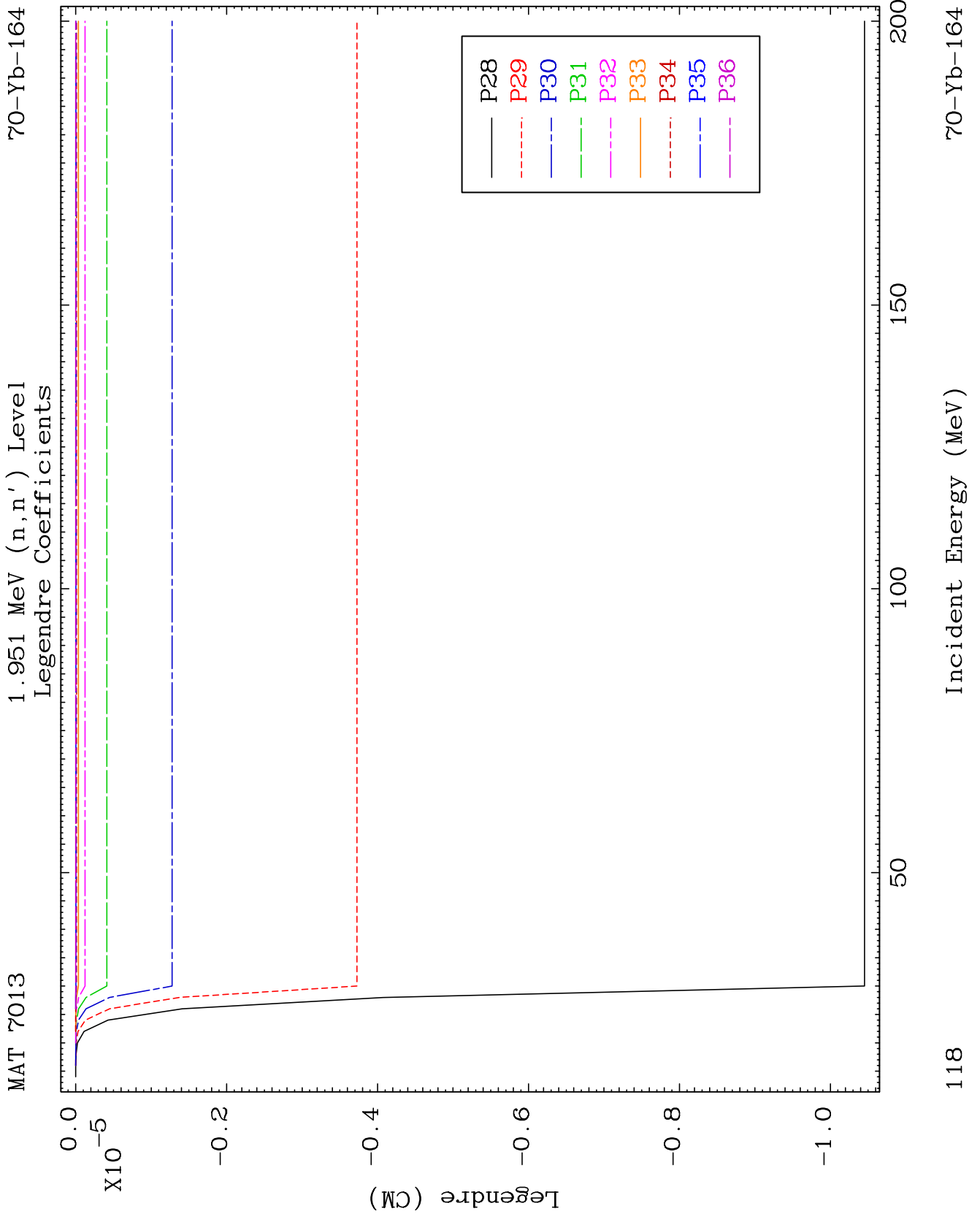


116

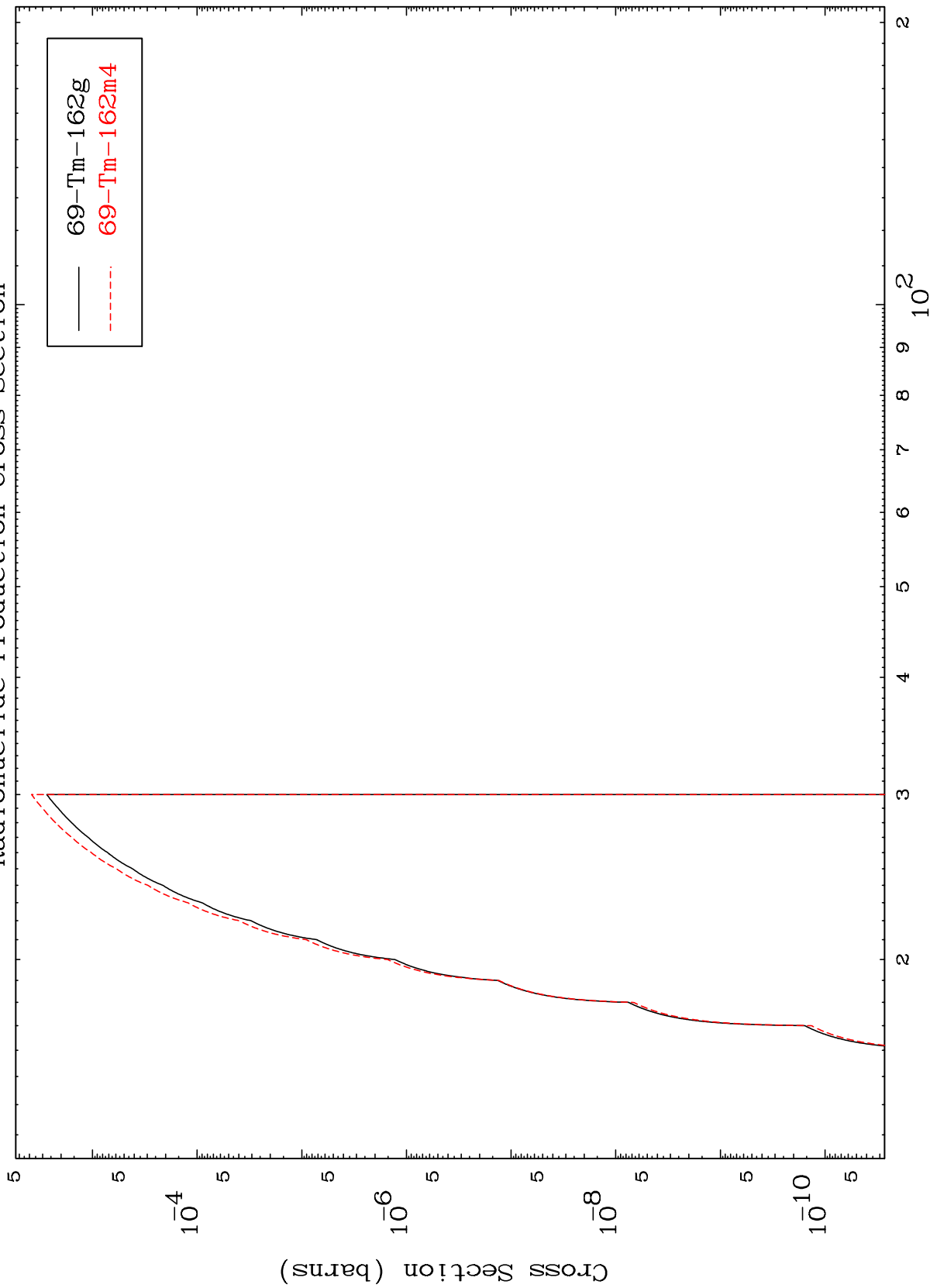
Incident Energy (MeV)

70-Yb-164





Radionuclide Production Cross Section



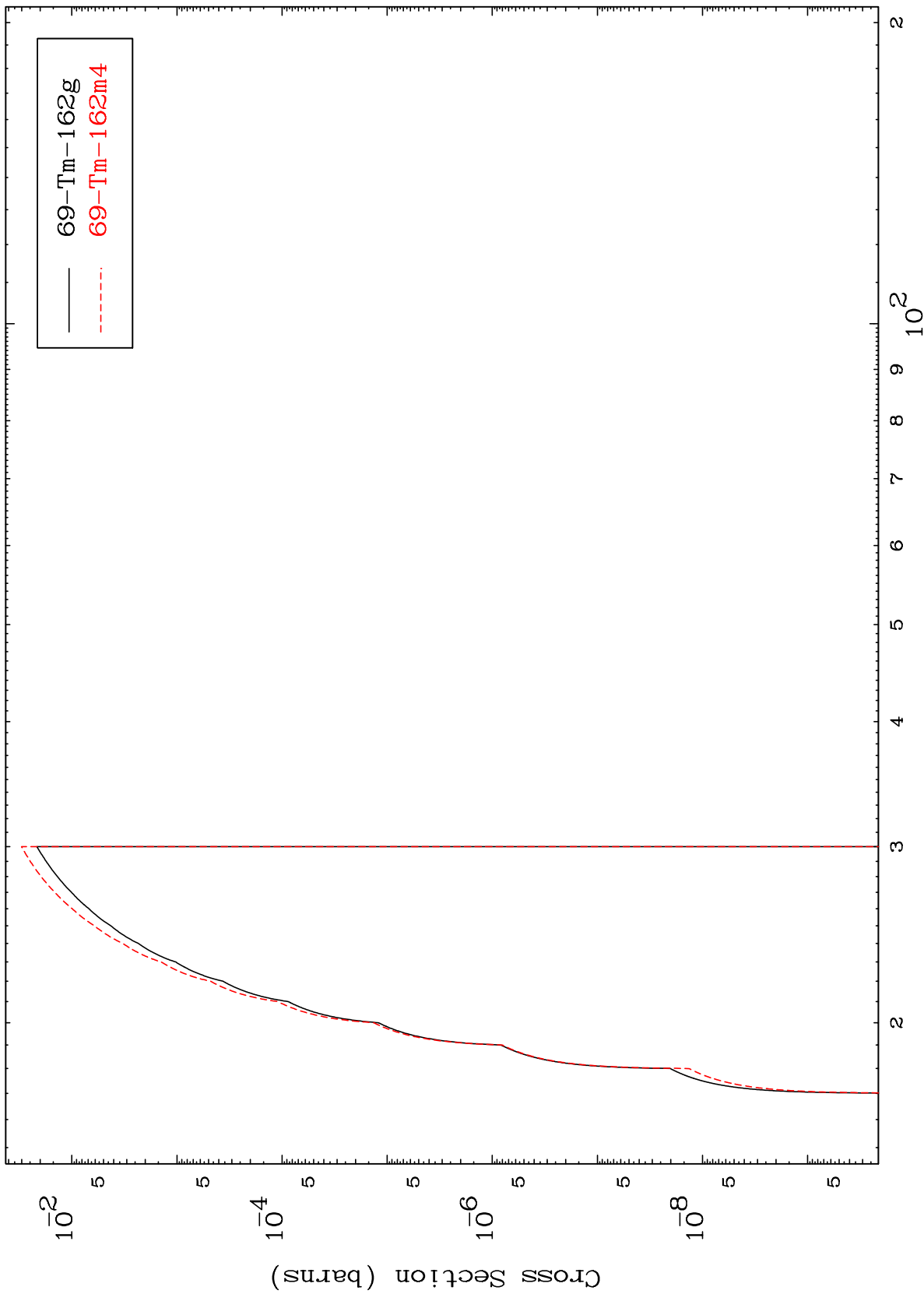
69-Tm-162g
69-Tm-162m4

MAT 7013

(n,2n) p

70-Yb-164

Radionuclide Production Cross Section



120

Incident Energy (MeV)

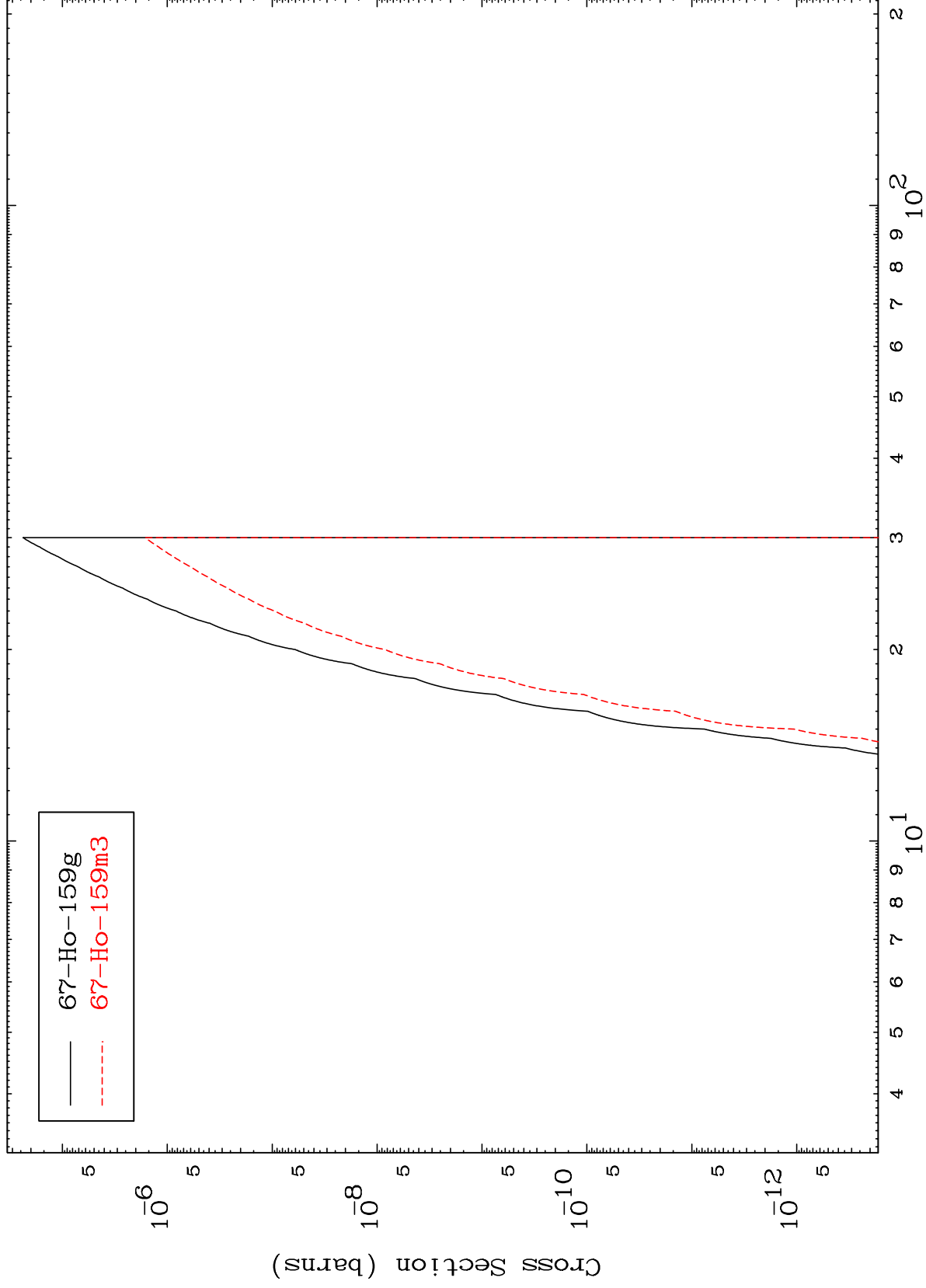
70-Yb-164

MAT 7013

(n,n') p α

70-Yb-164

Radionuclide Production Cross Section



121

Incident Energy (MeV)

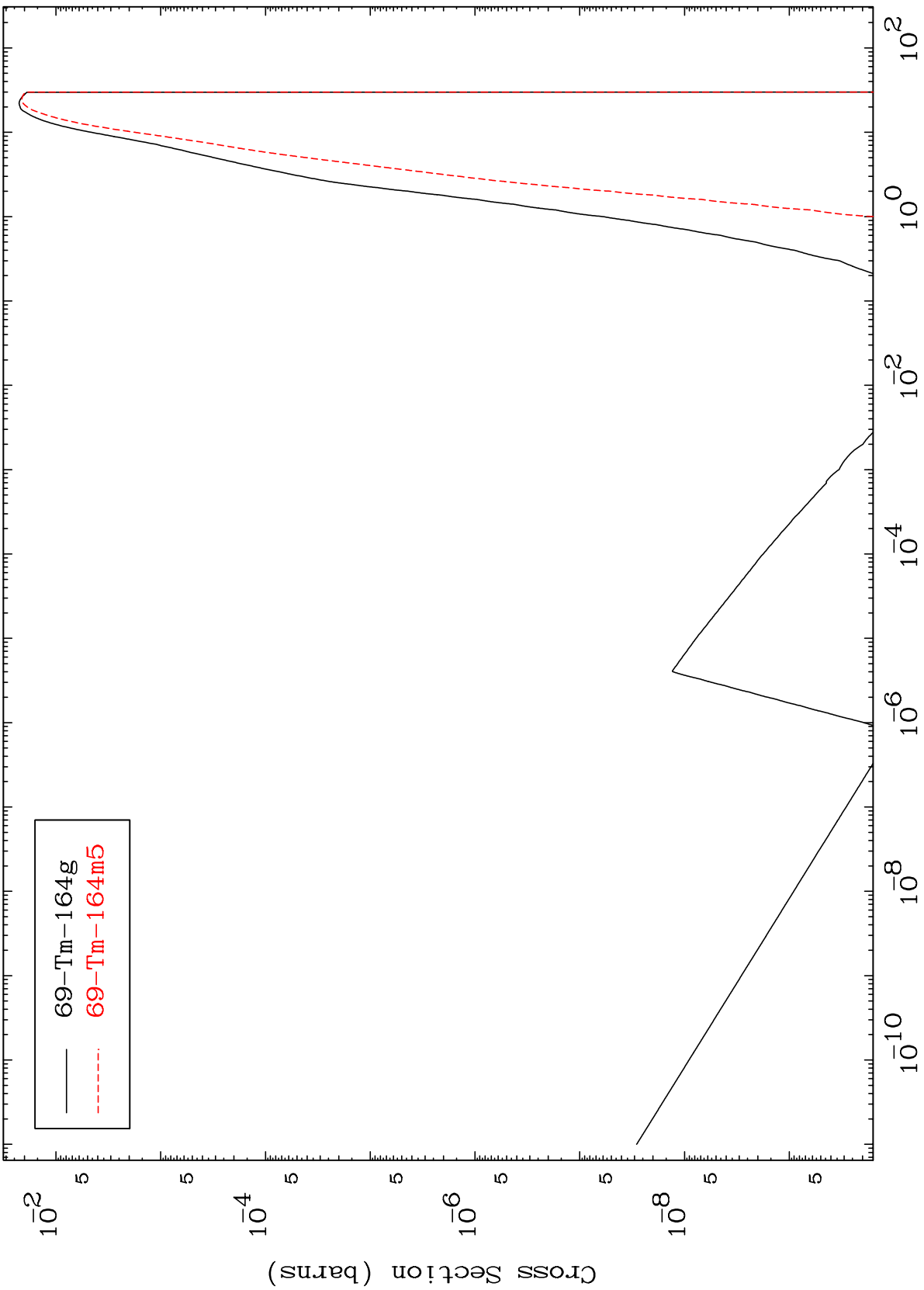
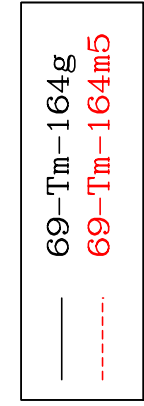
70-Yb-164

MAT 7013

(n,p)

70-Yb-164

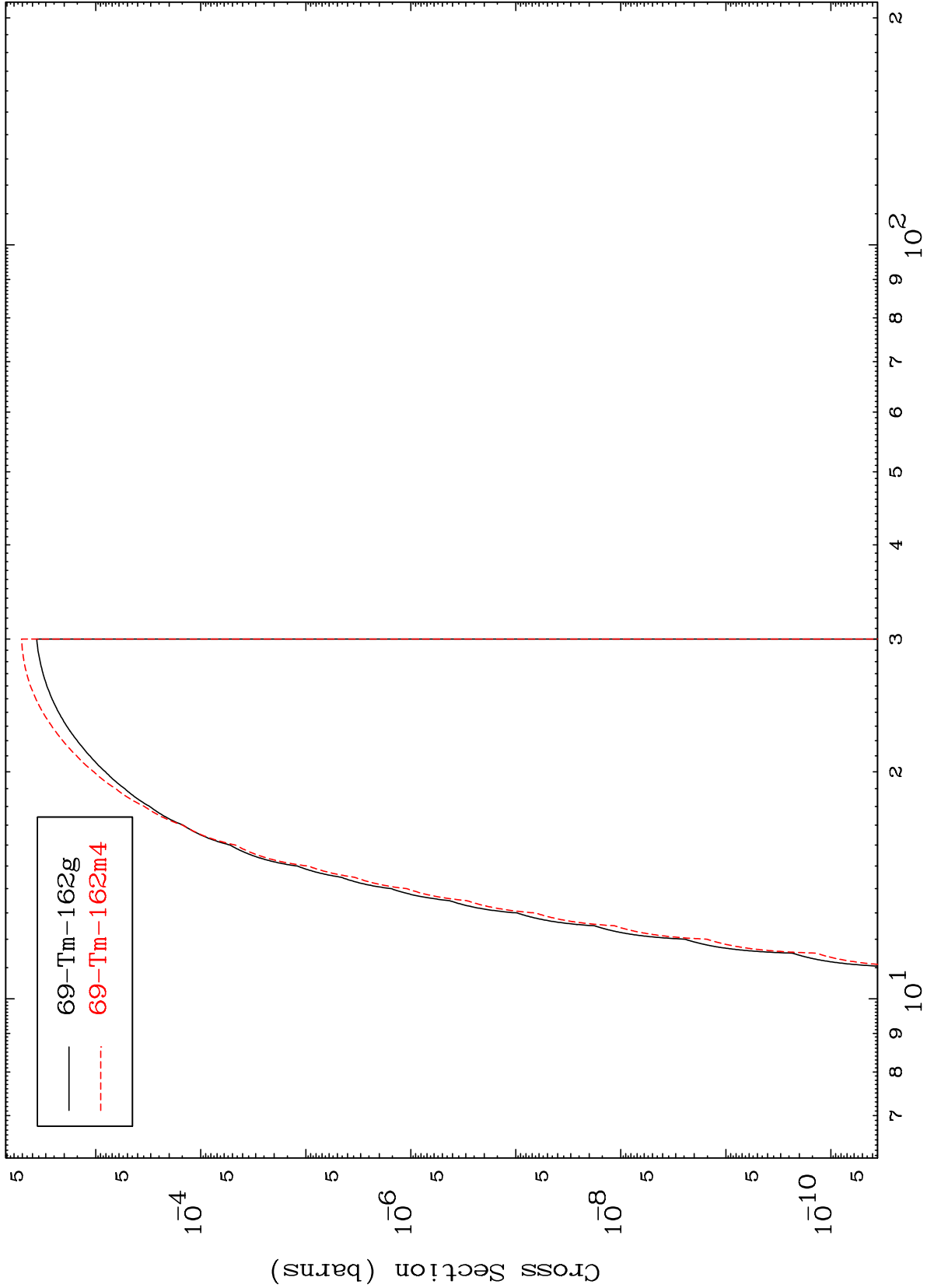
Radionuclide Production Cross Section



MAT 7013

70-Yb-164

(n, t)
Radionuclide Production Cross Section



70-Yb-164

Incident Energy (MeV)

123

MAT 7013

(n,p) α

⁷⁰Yb-164

Radionuclide Production Cross Section

