

Program EVALPLOT
(Version 2015-2)

by

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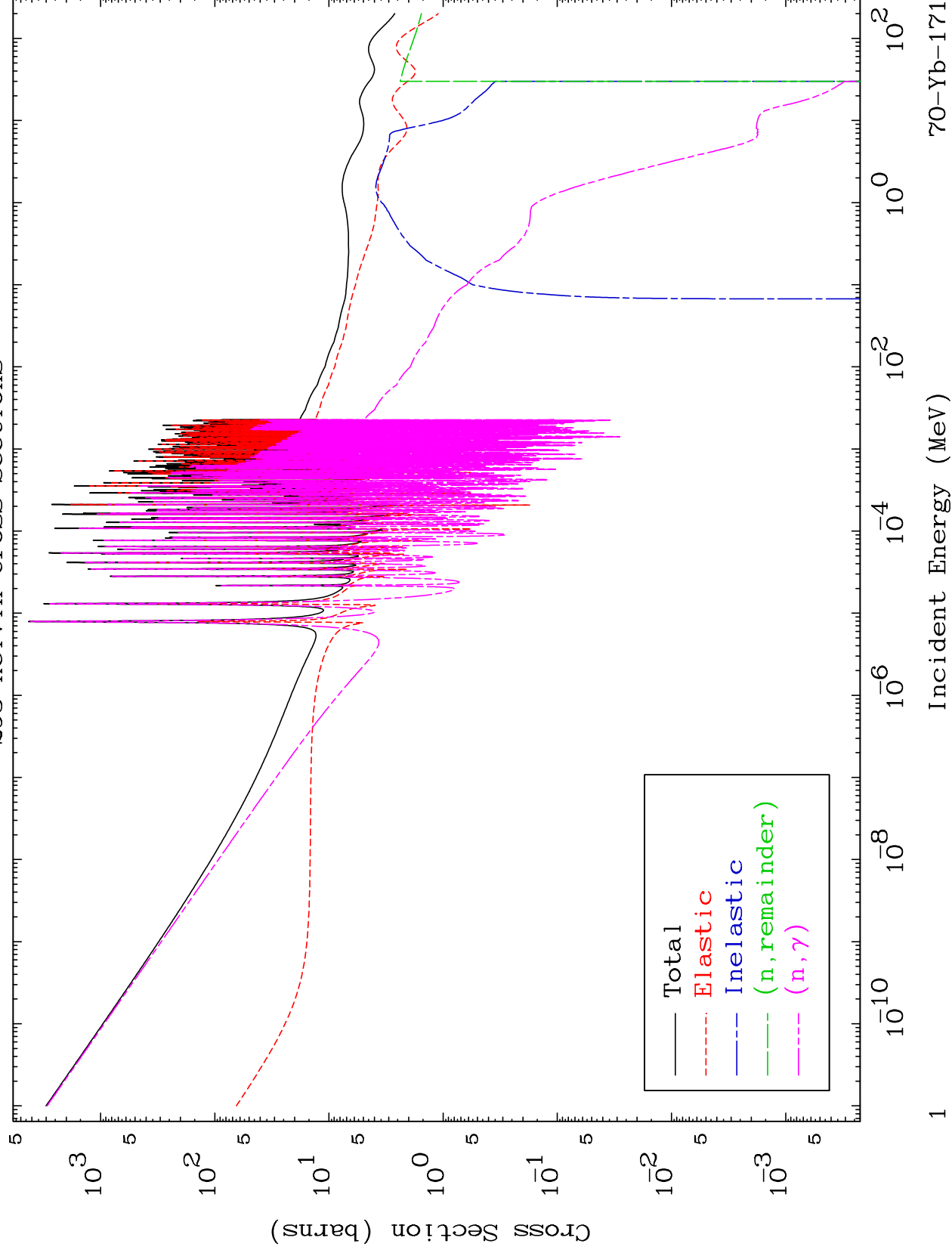
Press Mouse Button to Start

MAT 7034

Major

293 Kelvin Cross Sections

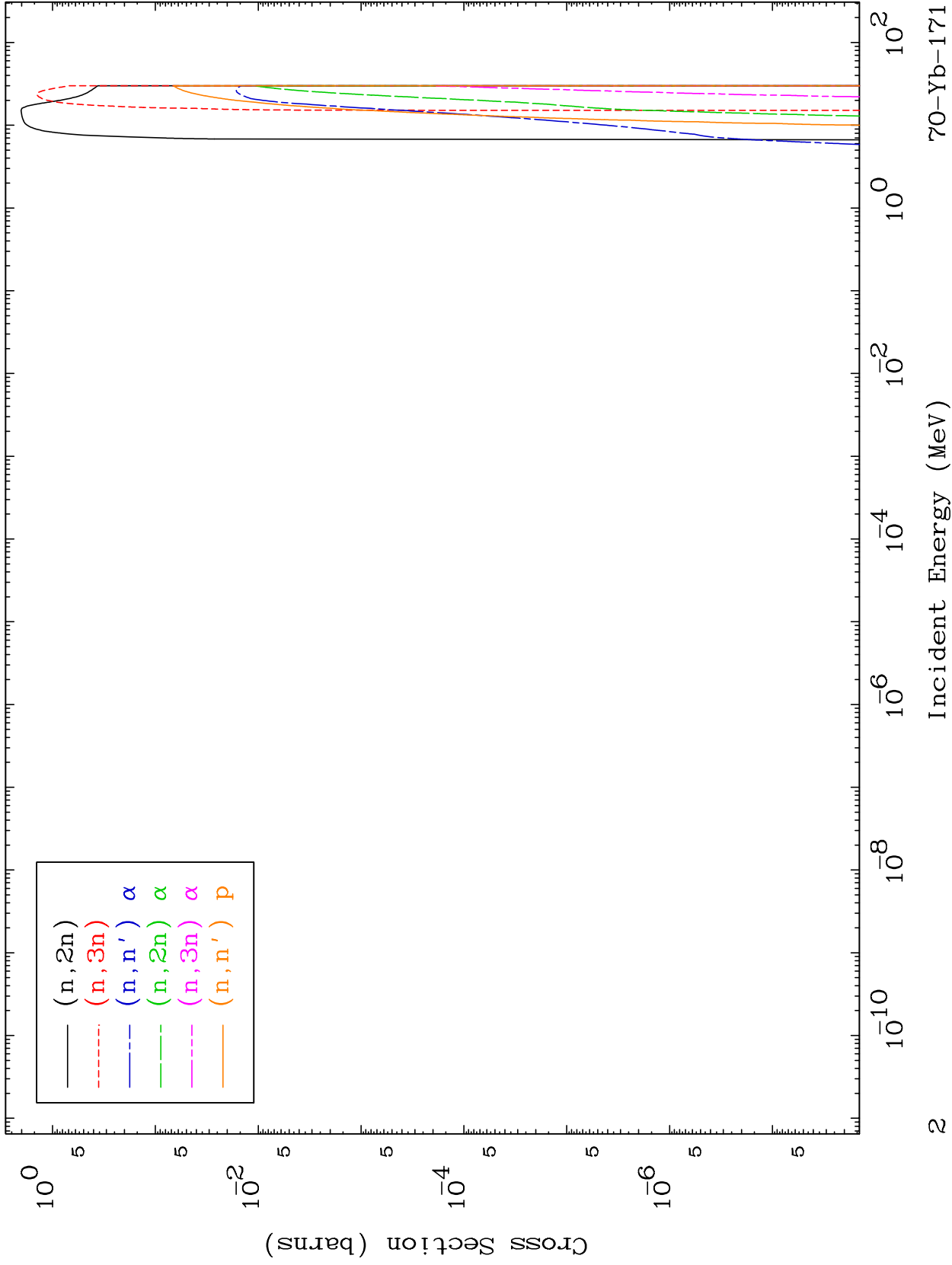
70-Yb-171

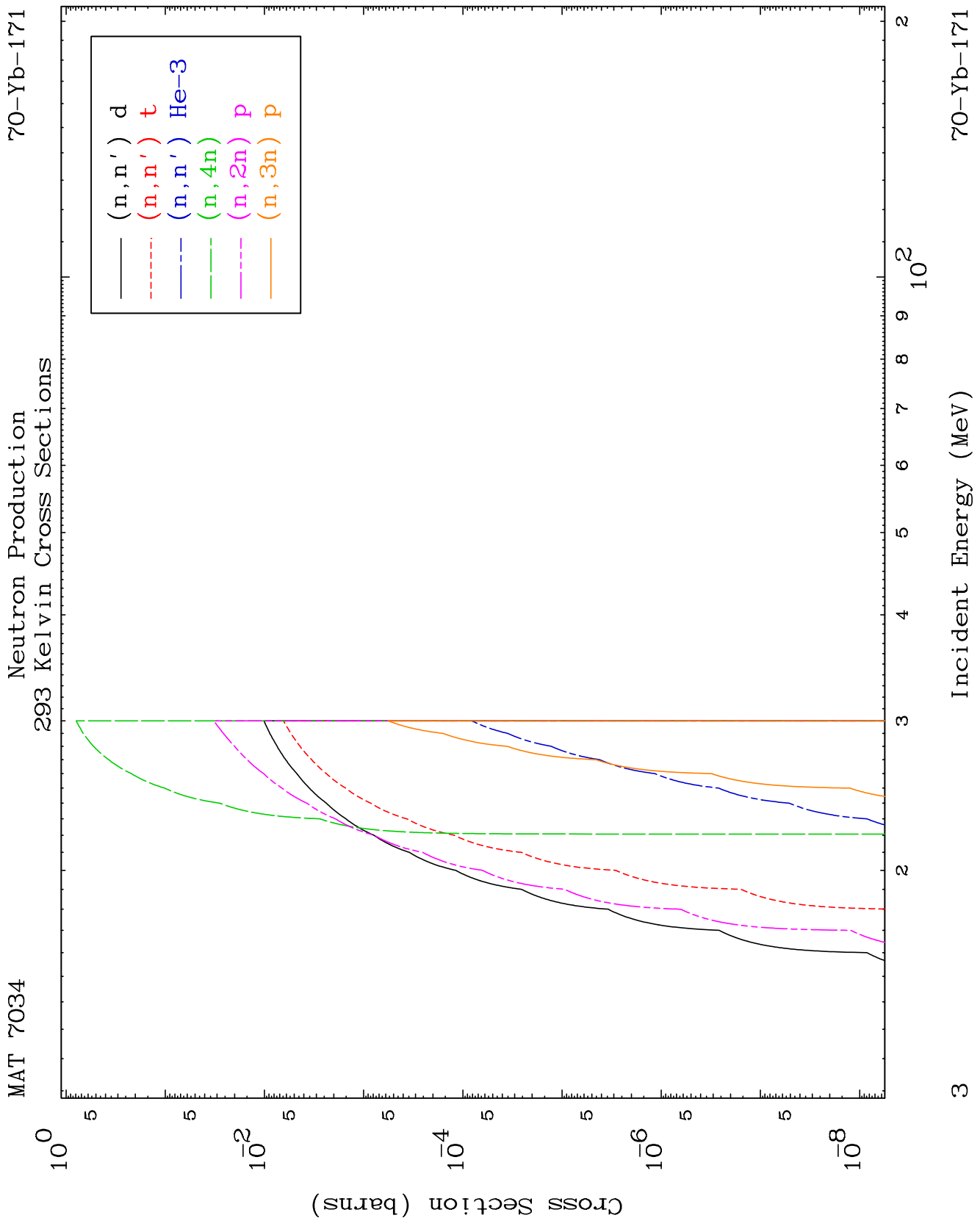


MAT 7034

Neutron Production
293 Kelvin Cross Sections

70-Yb-171

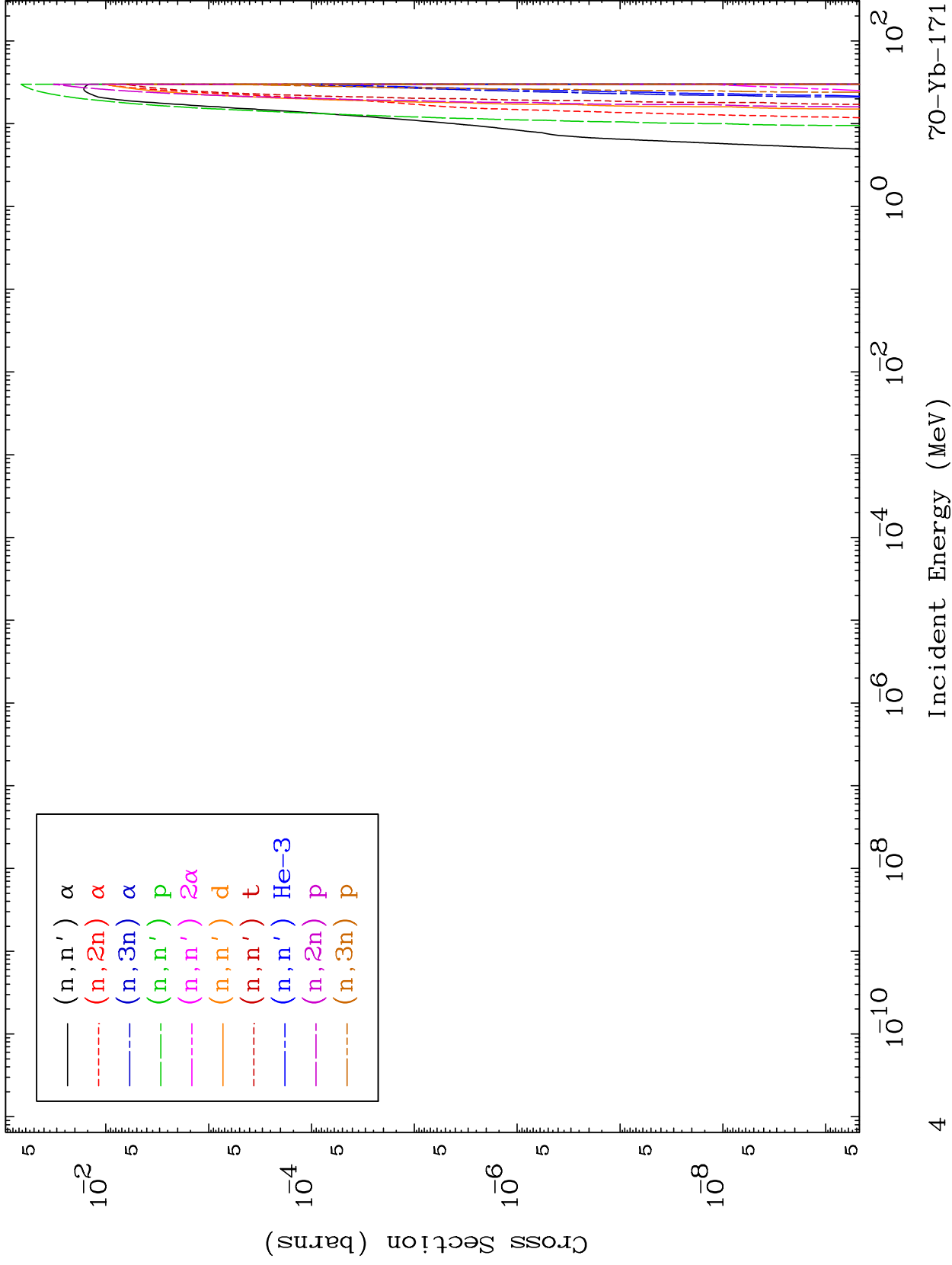




MAT 7034

Charged Particle
293 Kelvin Cross Sections

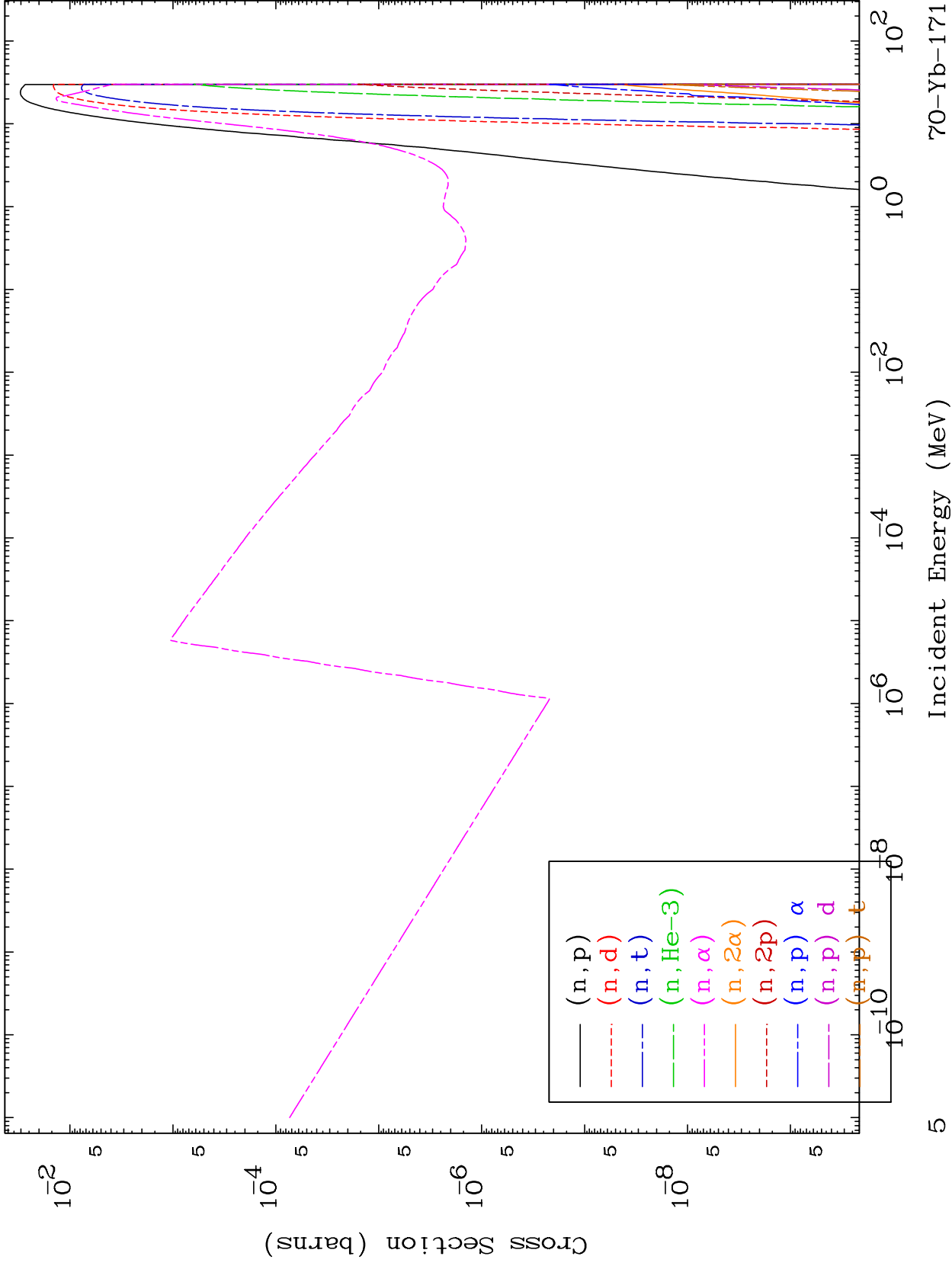
70-Yb-171

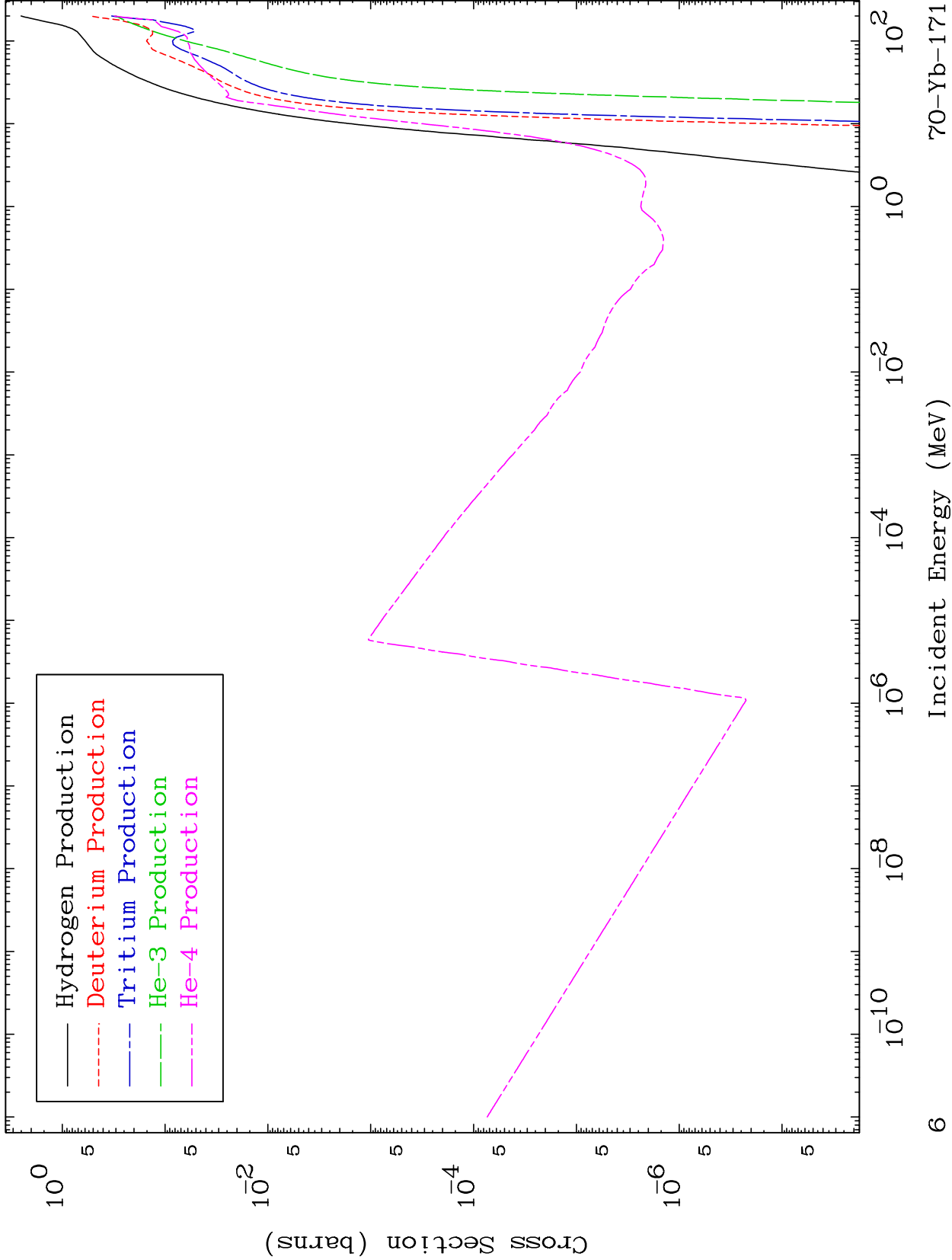


MAT 7034

Charged Particle
293 Kelvin Cross Sections

70-Yb-171

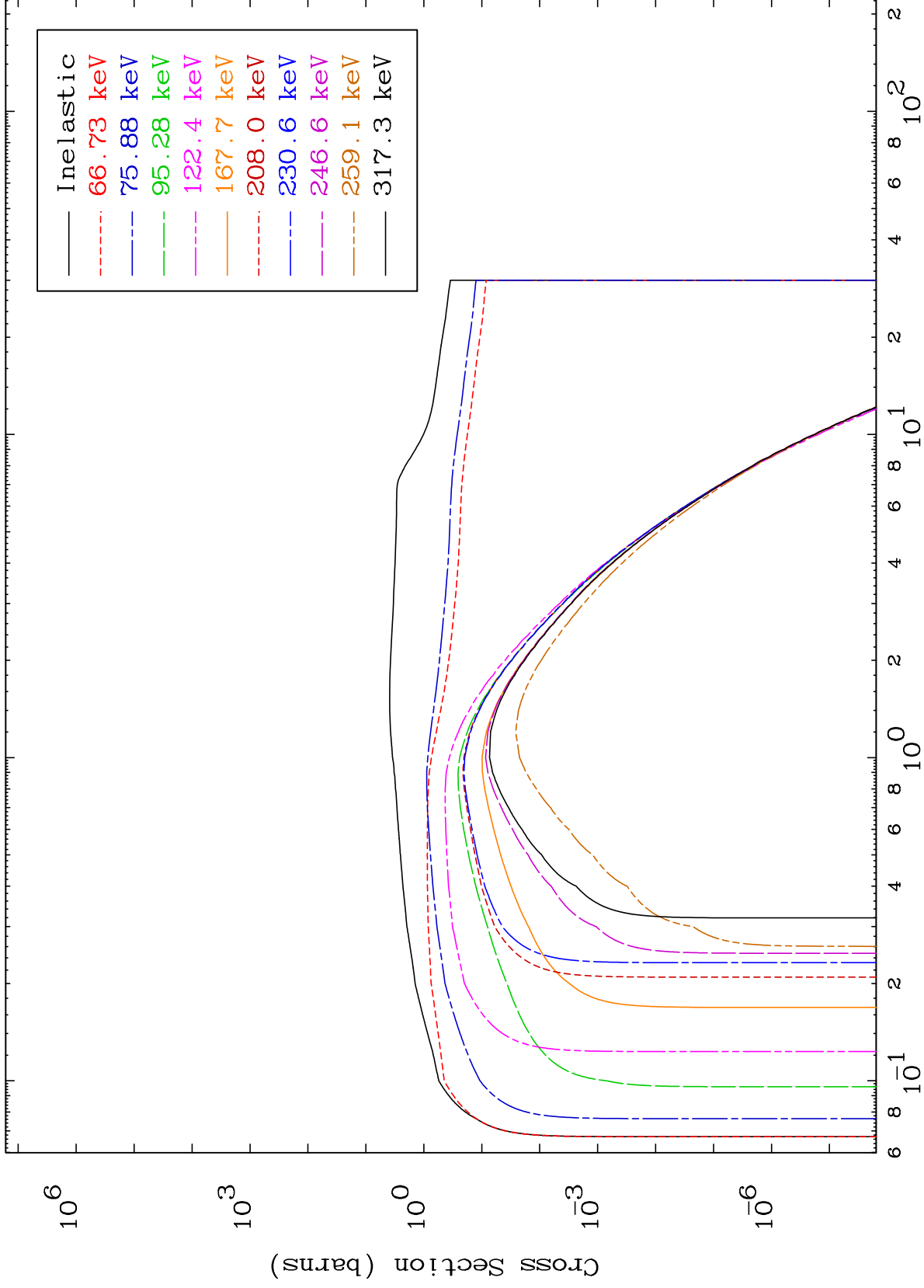




MAT 7034

(n,n') Level
293 Kelvin Cross Sections

70-Yb-171



7

Incident Energy (MeV)

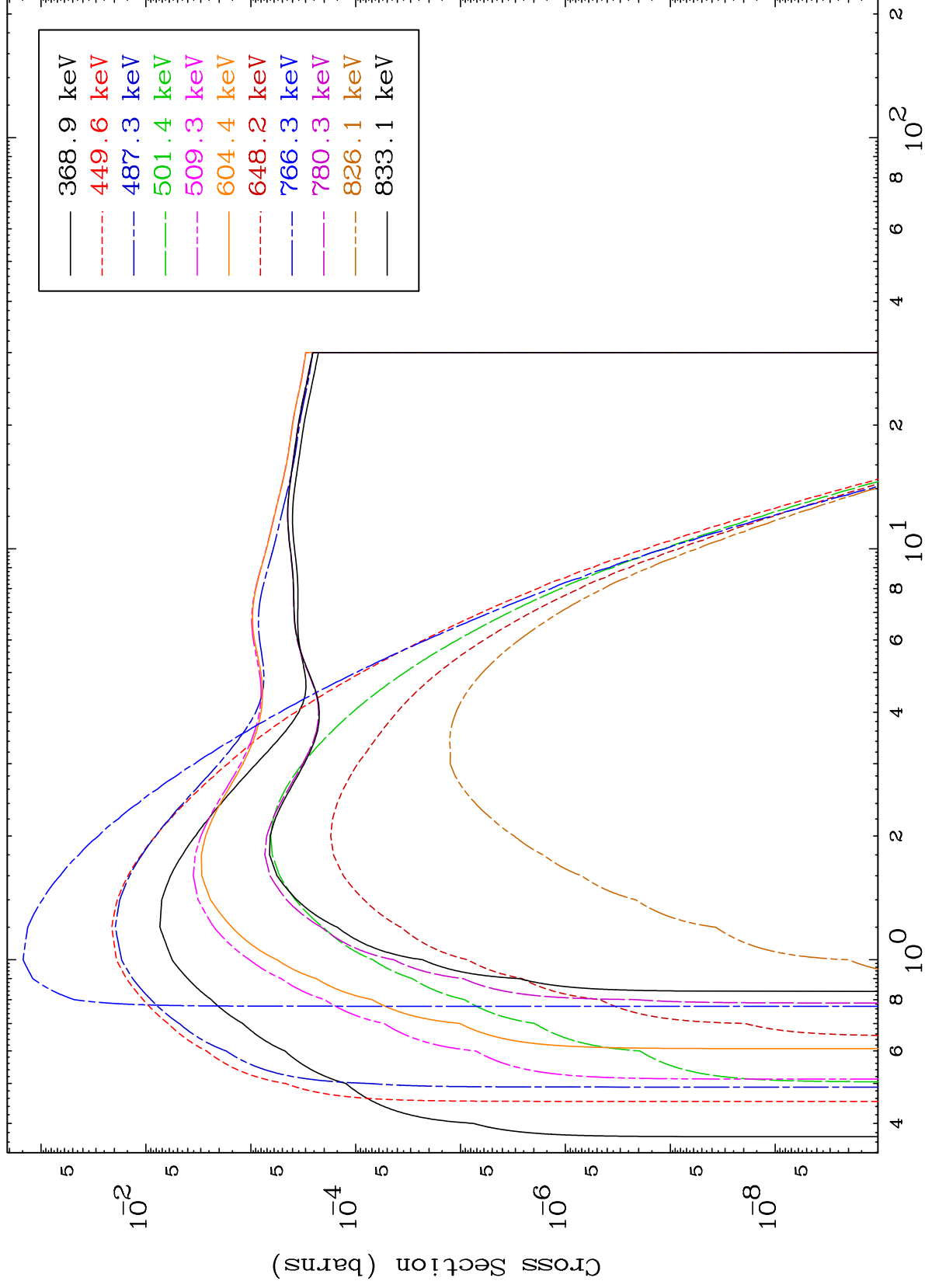
70-Yb-171

MAT 7034

(n,n') Level

70-Yb-171

293 Kelvin Cross Sections



8

Incident Energy (MeV)

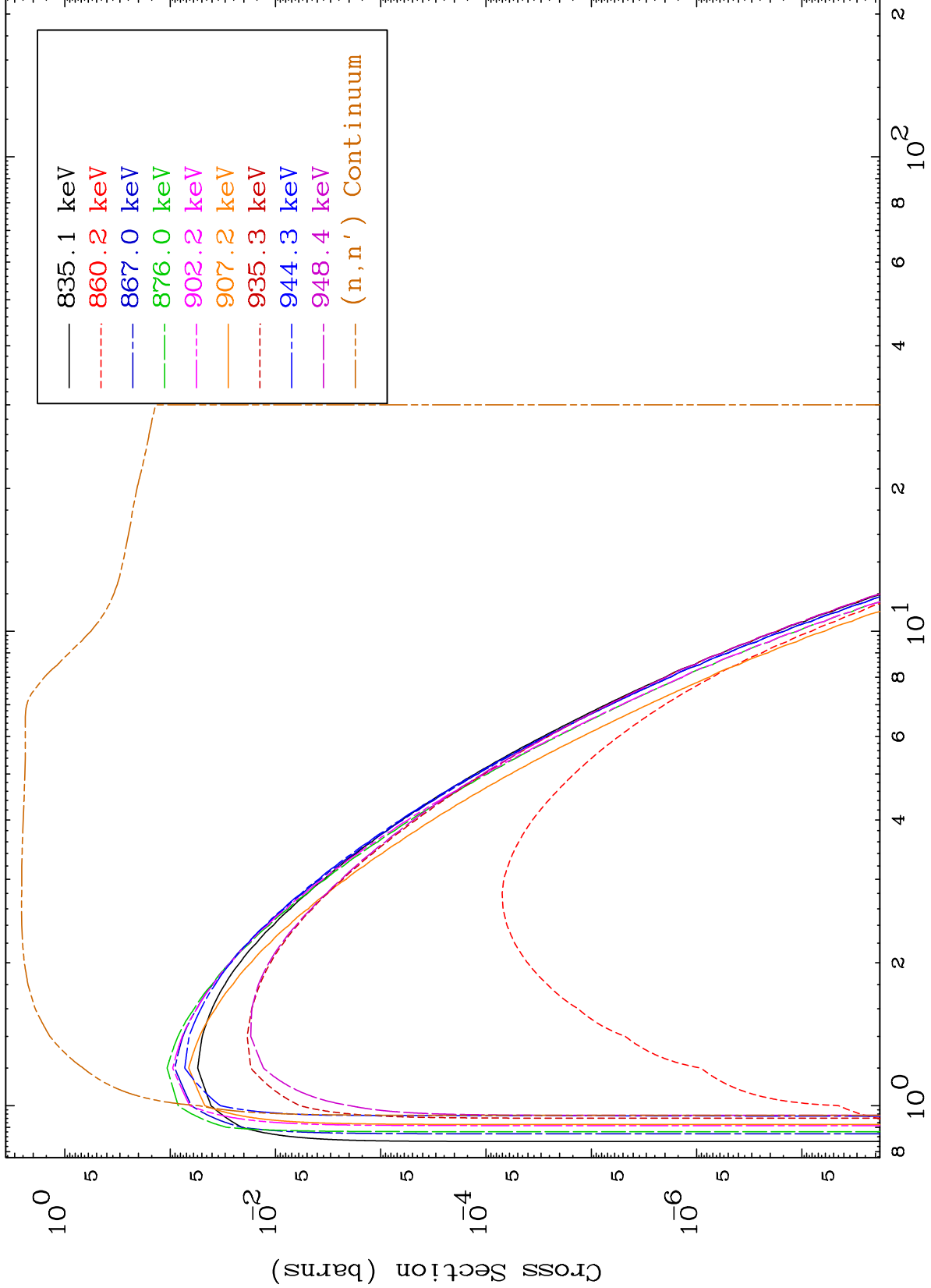
70-Yb-171

MAT 7034

(n,n') Level

70-Yb-171

293 Kelvin Cross Sections



9

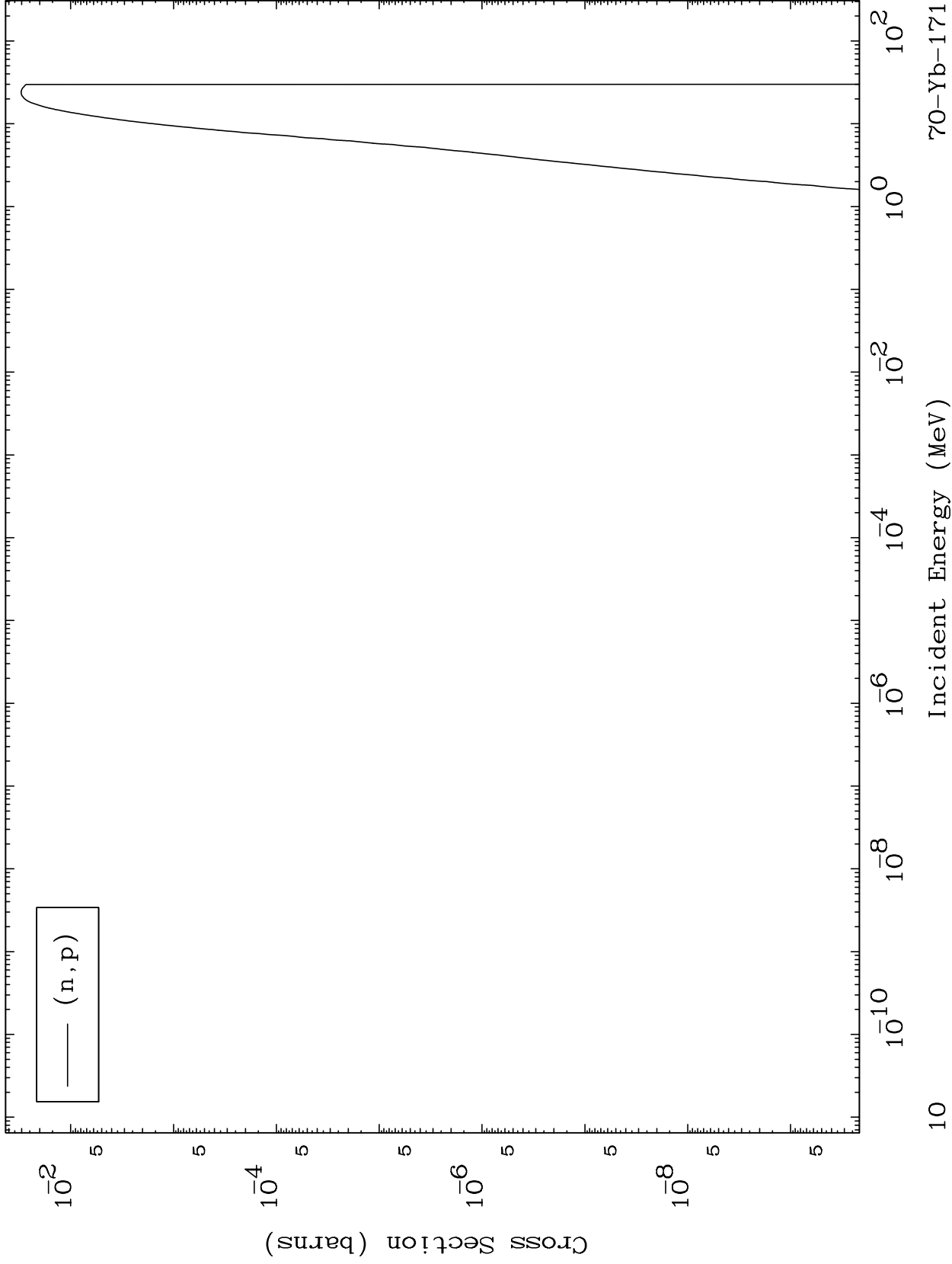
Incident Energy (MeV)

70-Yb-171

MAT 7034

(n,p) Levels
293 Kelvin Cross Sections

70-Yb-171



— (n,p)

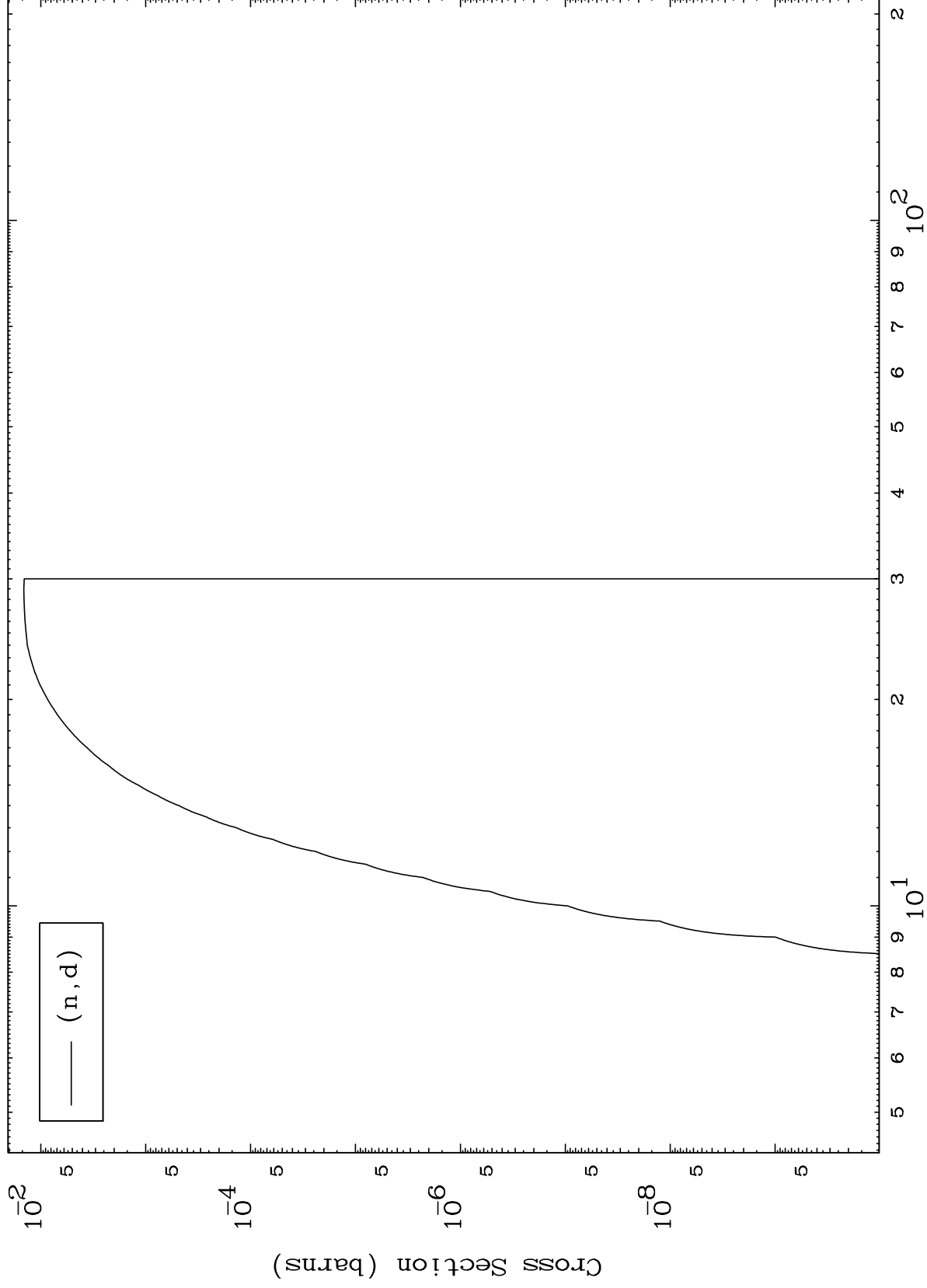
10

70-Yb-171

MAT 7034

(n,d) Levels
293 Kelvin Cross Sections

70-Yb-171



11

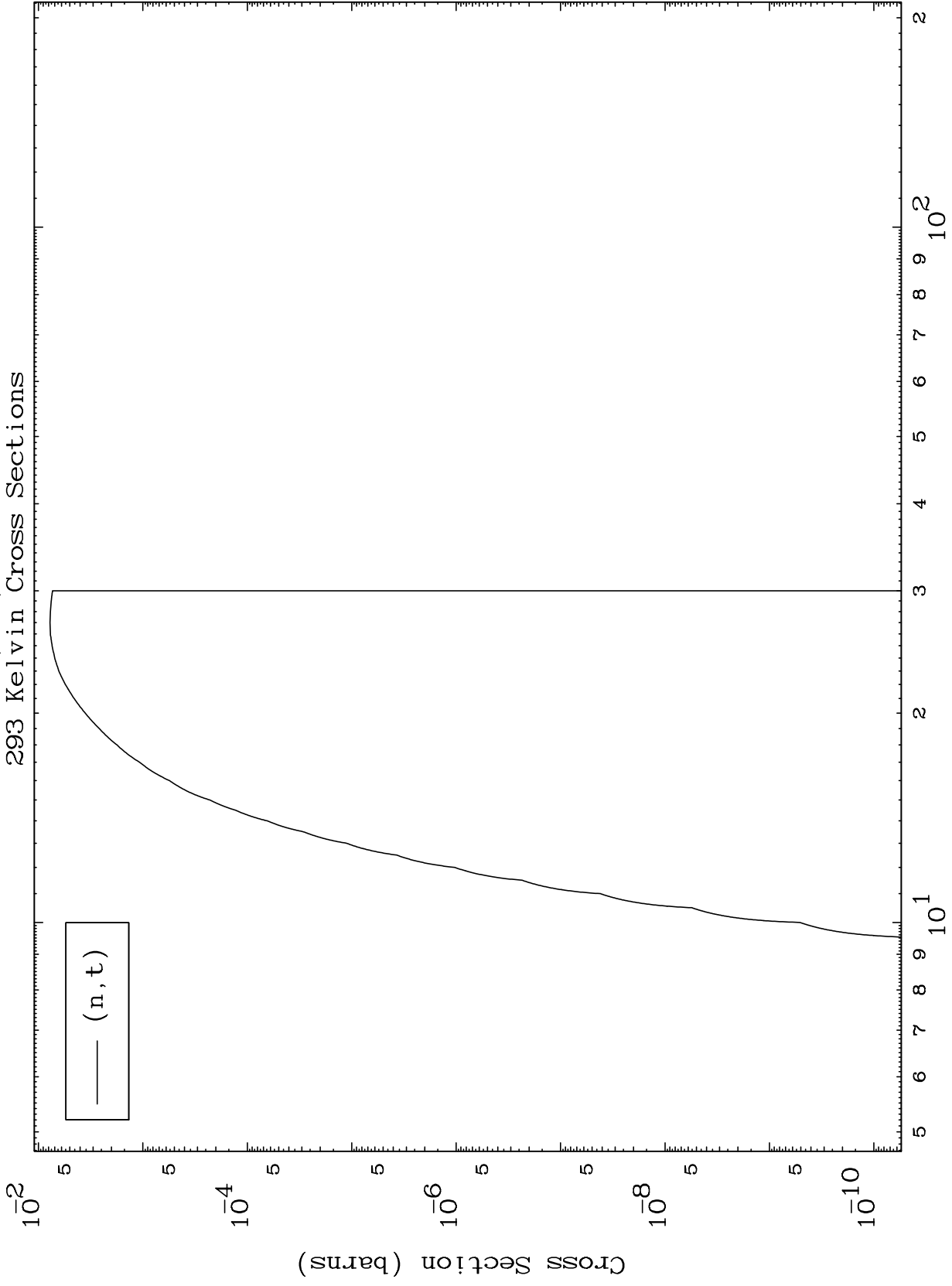
Incident Energy (MeV)

70-Yb-171

MAT 7034

(n,t) Levels
293 Kelvin Cross Sections

70-Yb-171



12

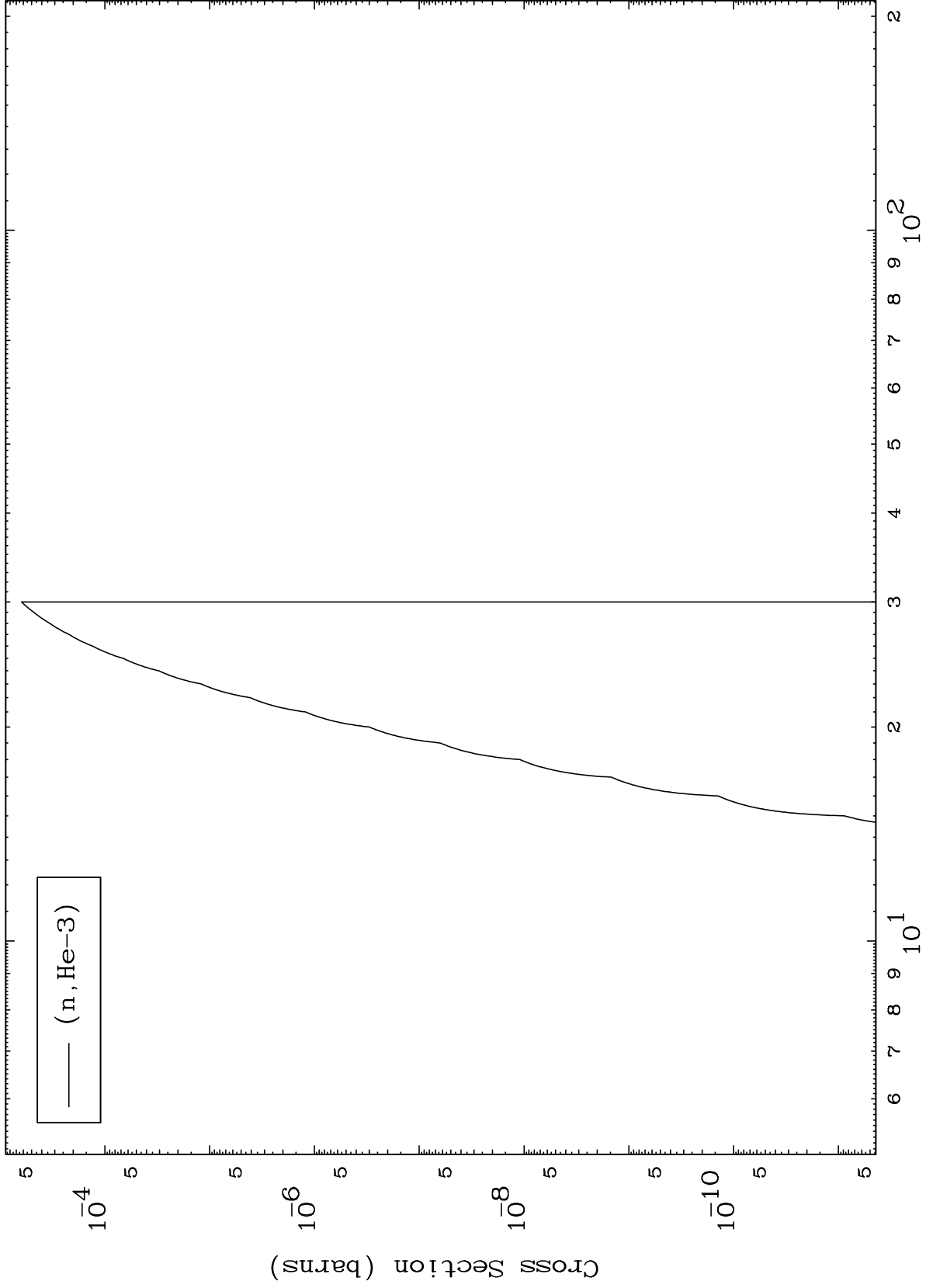
Incident Energy (MeV)

70-Yb-171

MAT 7034

(n,He3) Levels
293 Kelvin Cross Sections

70-Yb-171



13

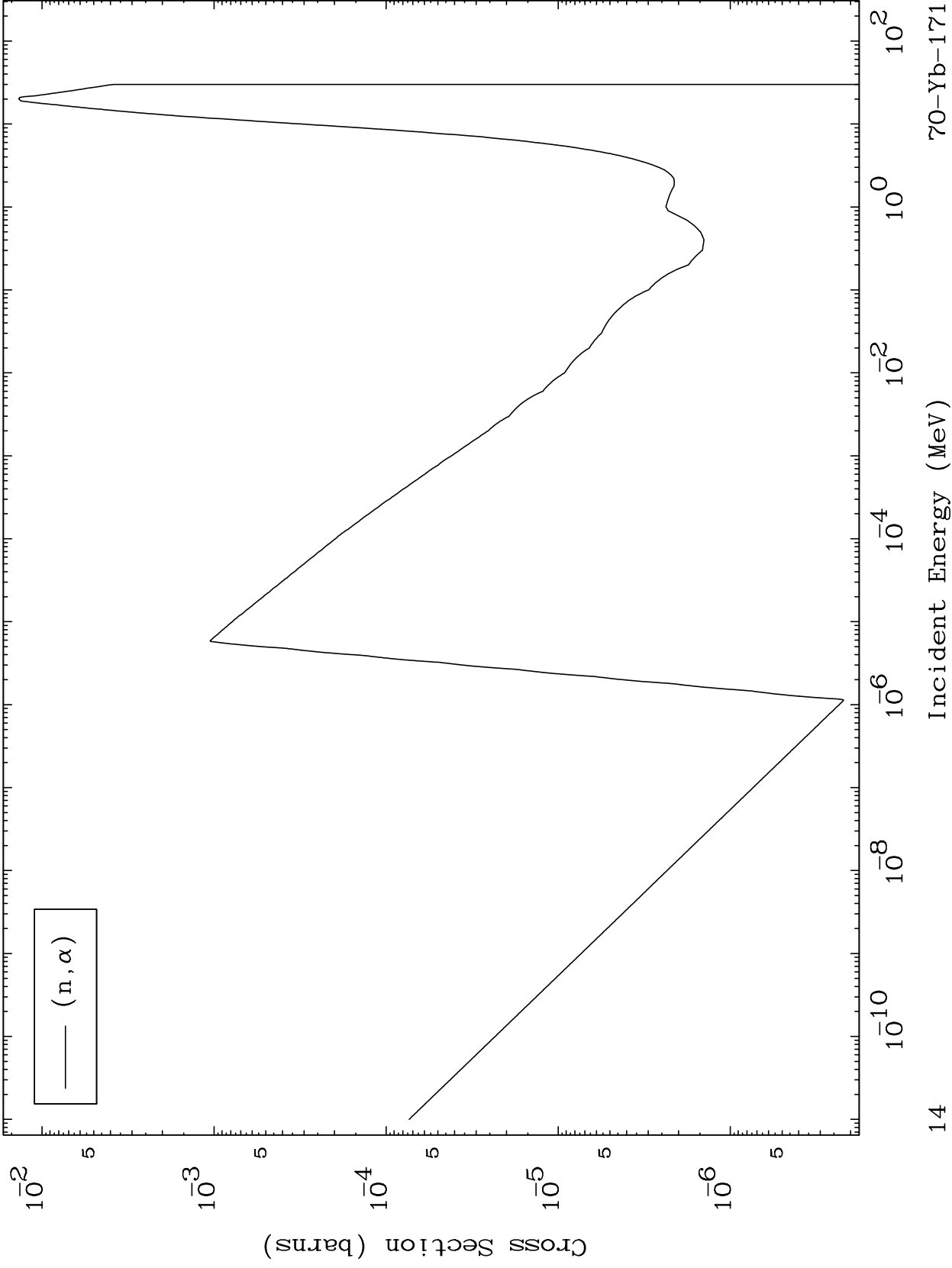
Incident Energy (MeV)

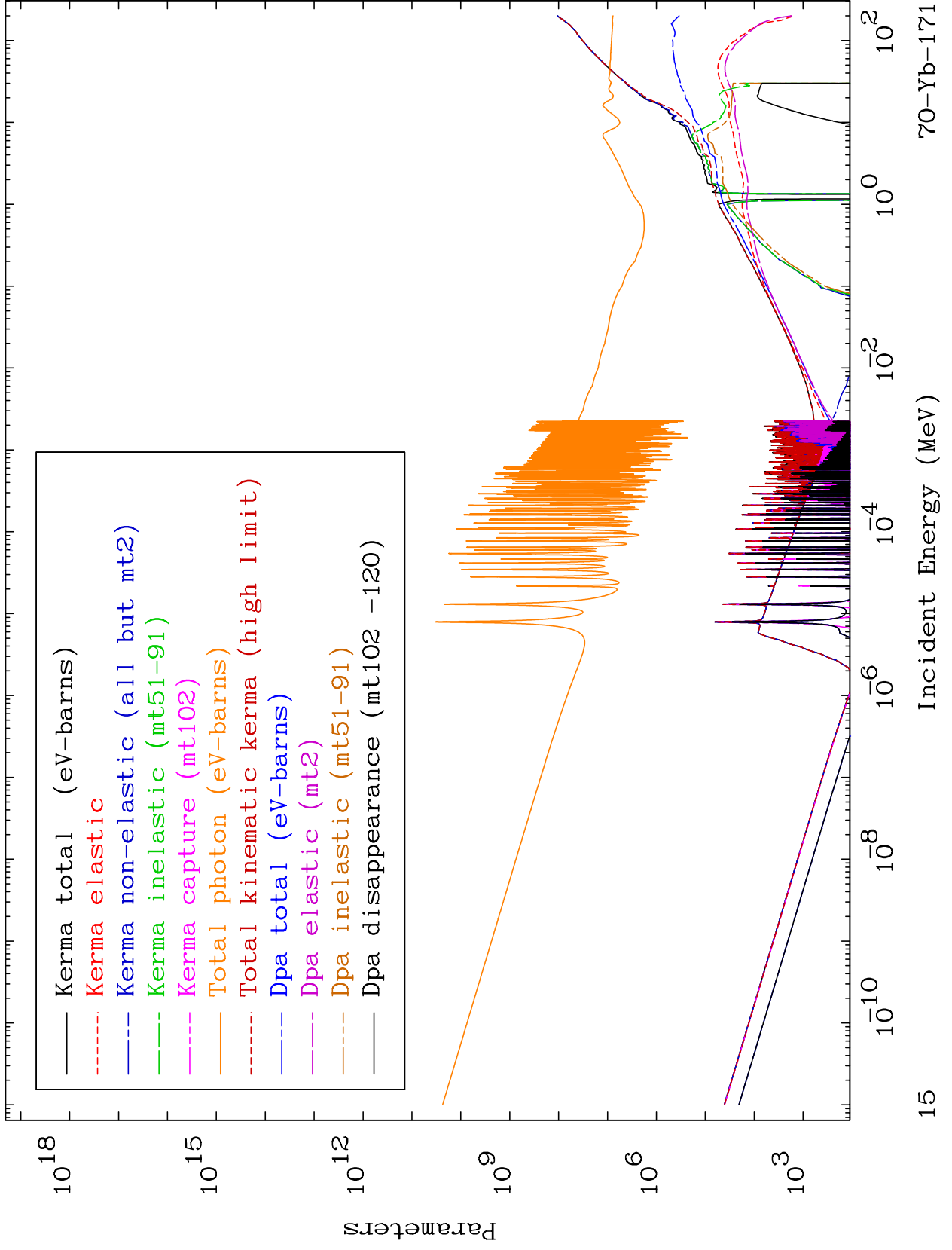
70-Yb-171

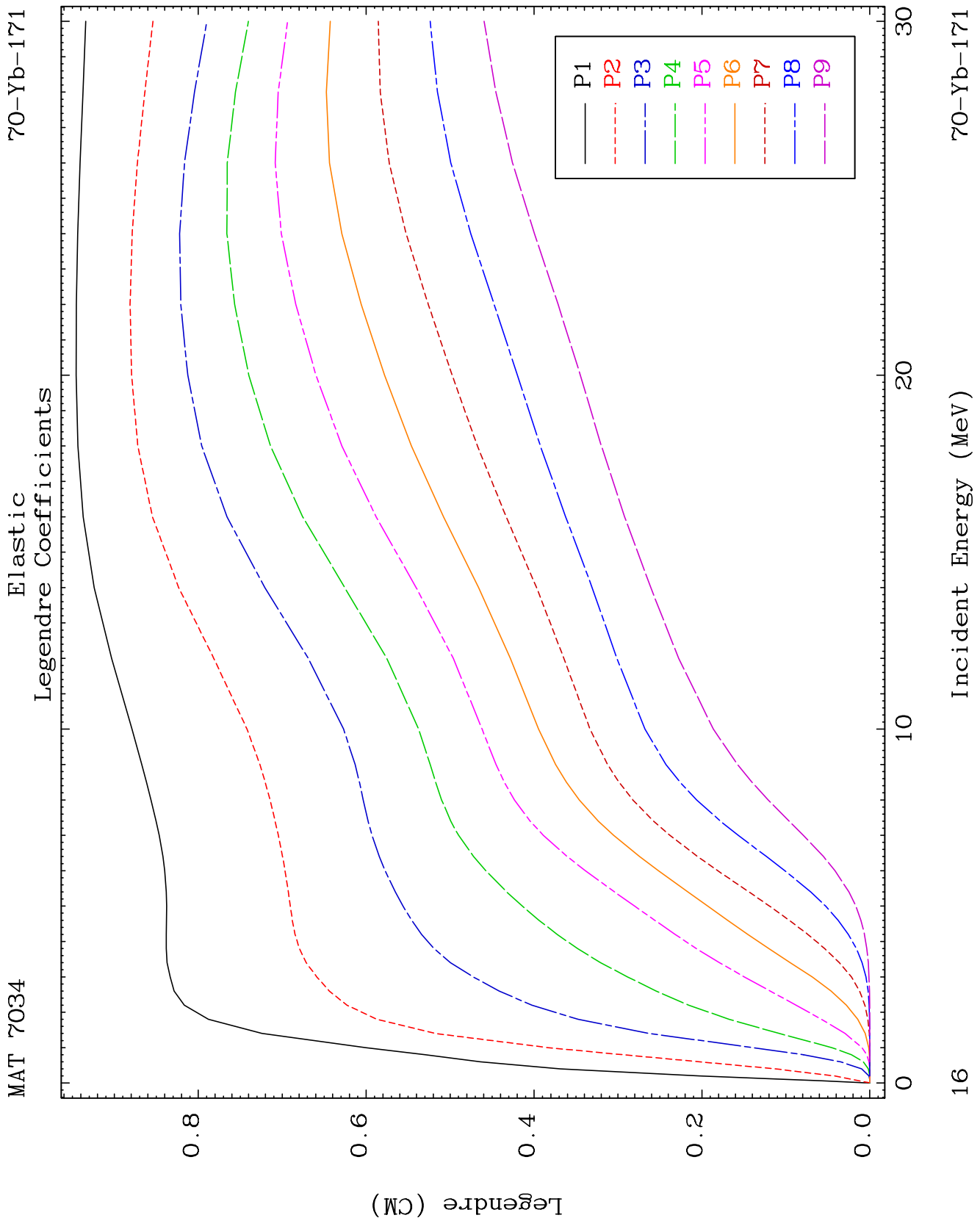
MAT 7034

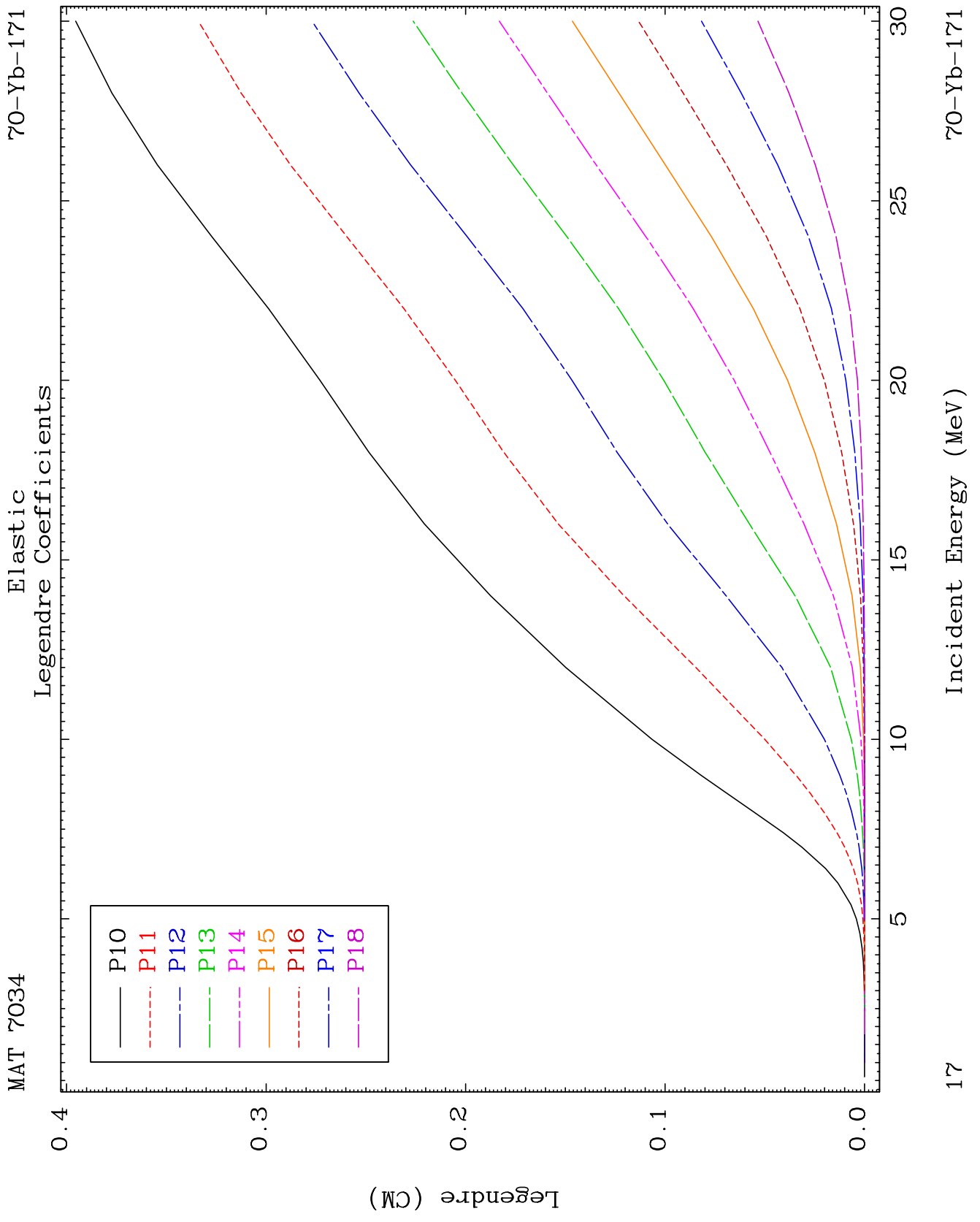
(n, α) Levels
293 Kelvin Cross Sections

70-Yb-171





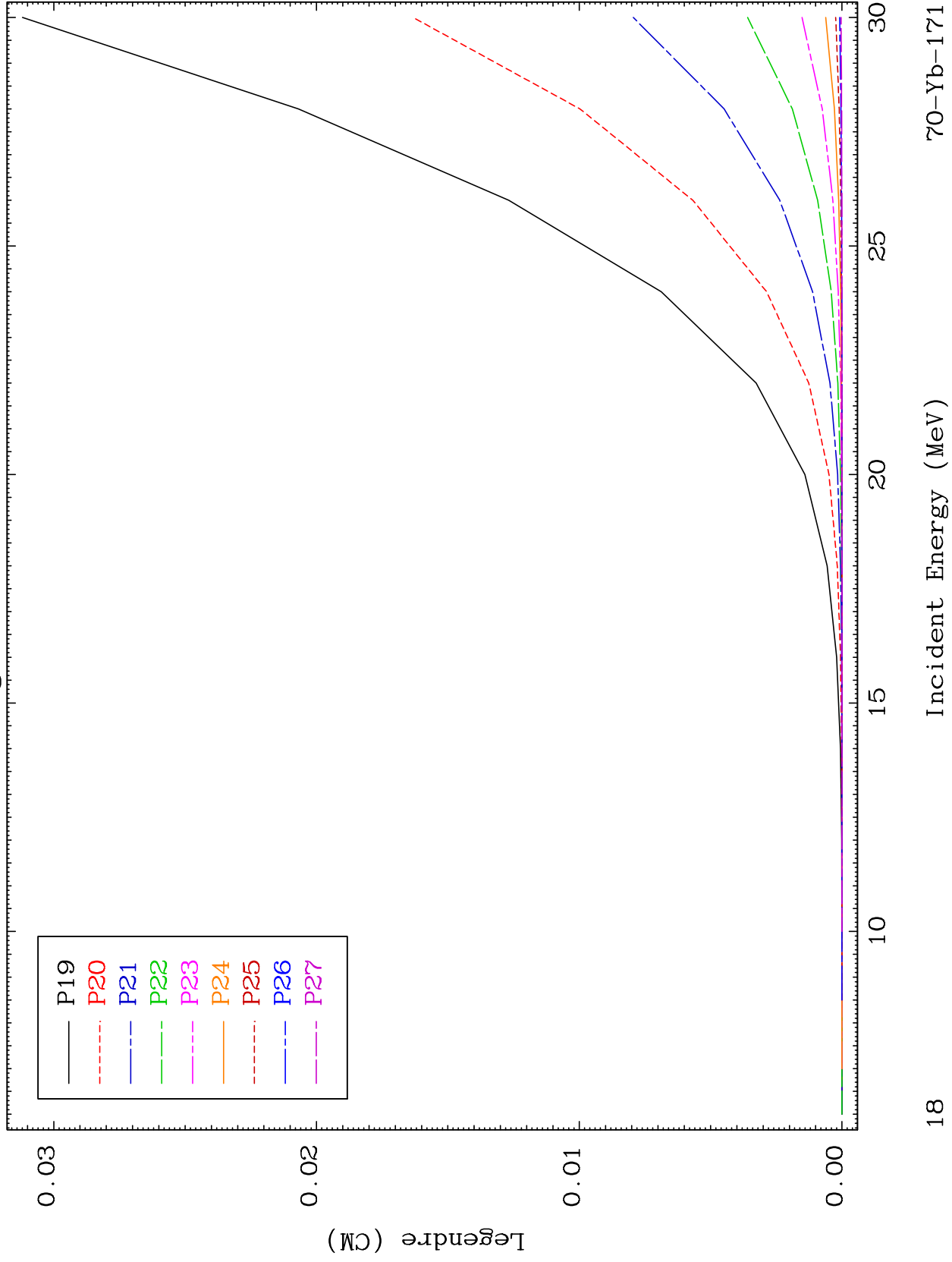




MAT 7034

Elastic
Legendre Coefficients

70-Yb-171



18

Incident Energy (MeV)

70-Yb-171

10

15

20

25

30

0.03

0.02

0.01

0.00

P19

P20

P21

P22

P23

P24

P25

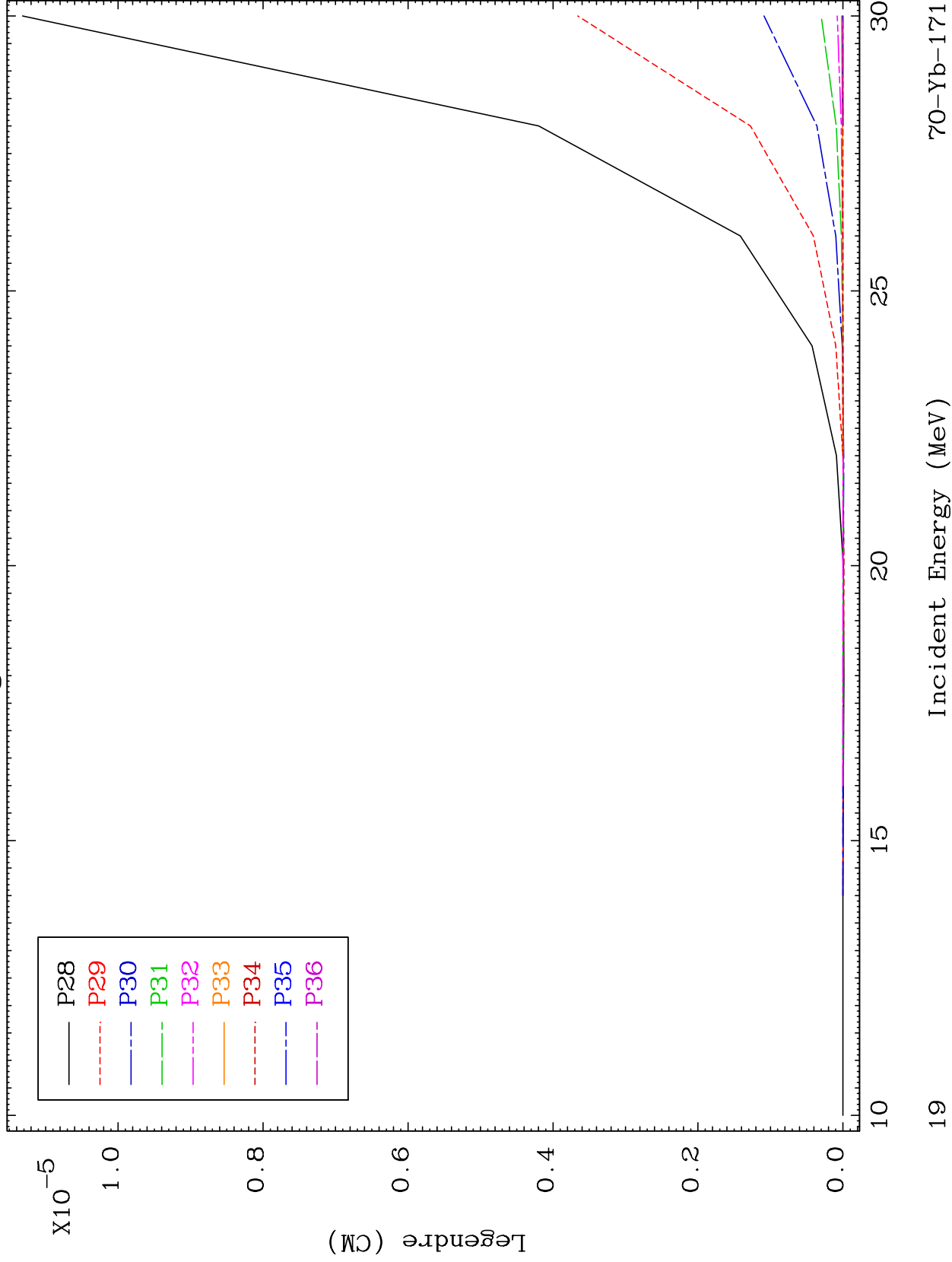
P26

P27

MAT 7034

Elastic Legendre Coefficients

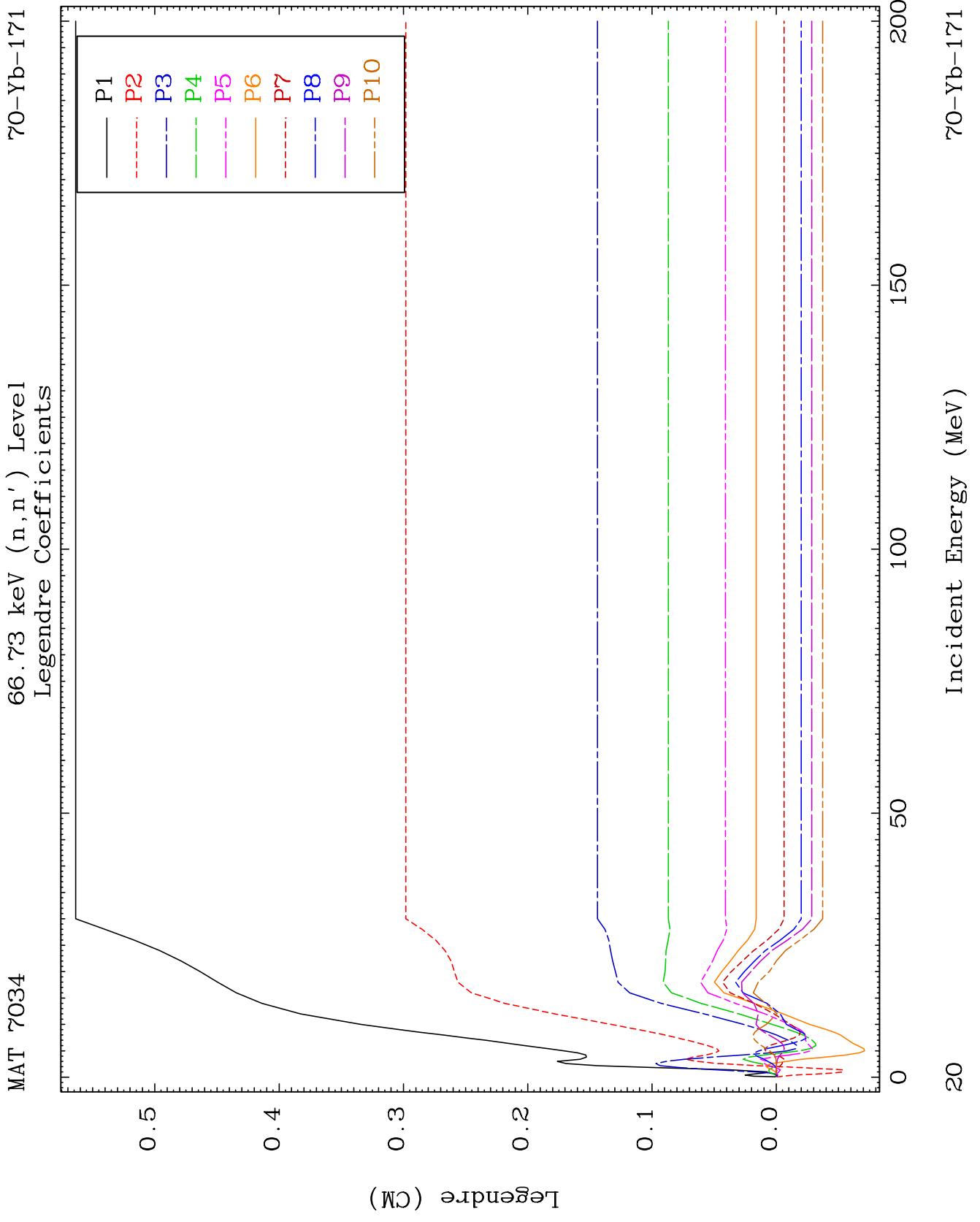
70-Yb-171

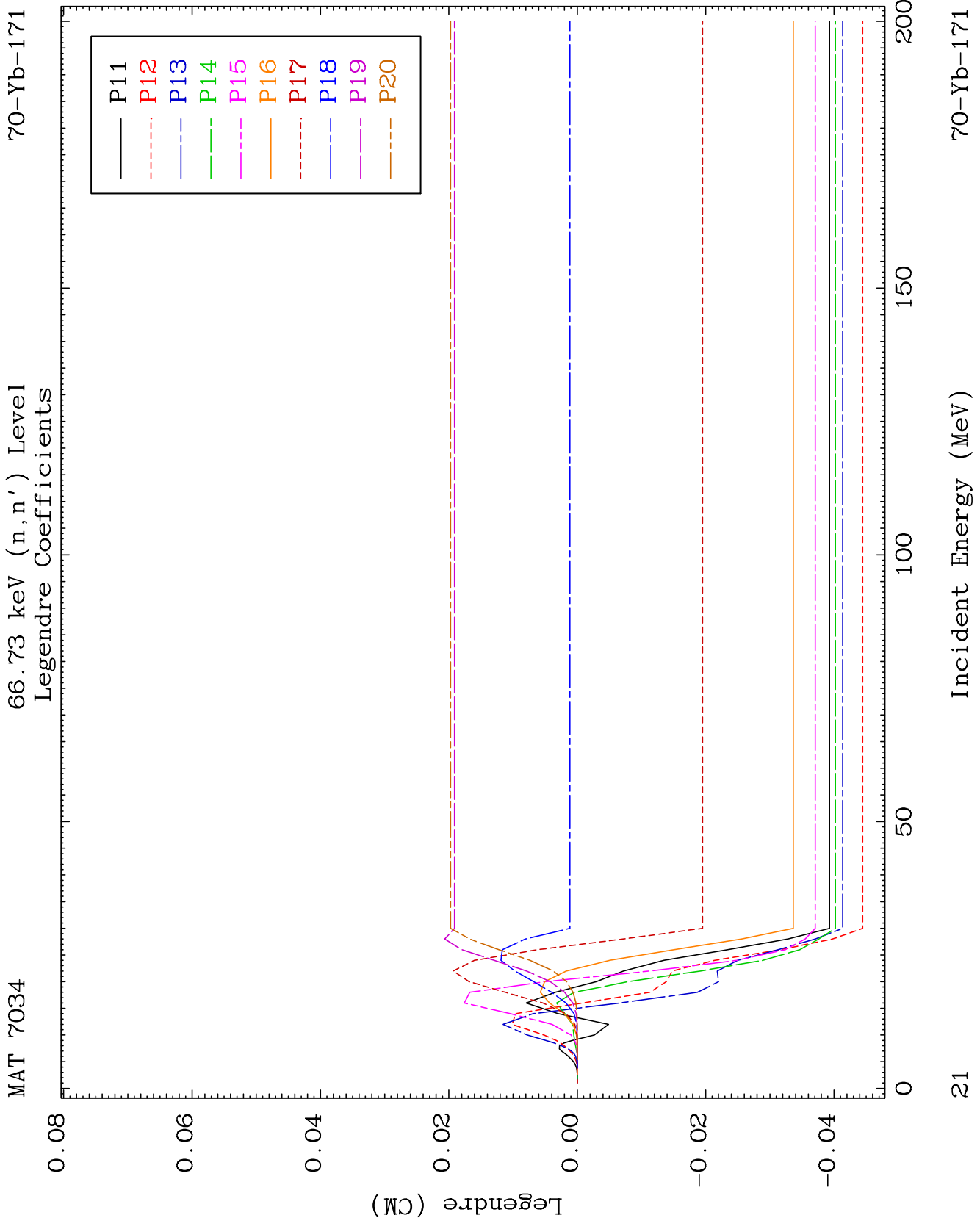


19

Incident Energy (MeV)

70-Yb-171

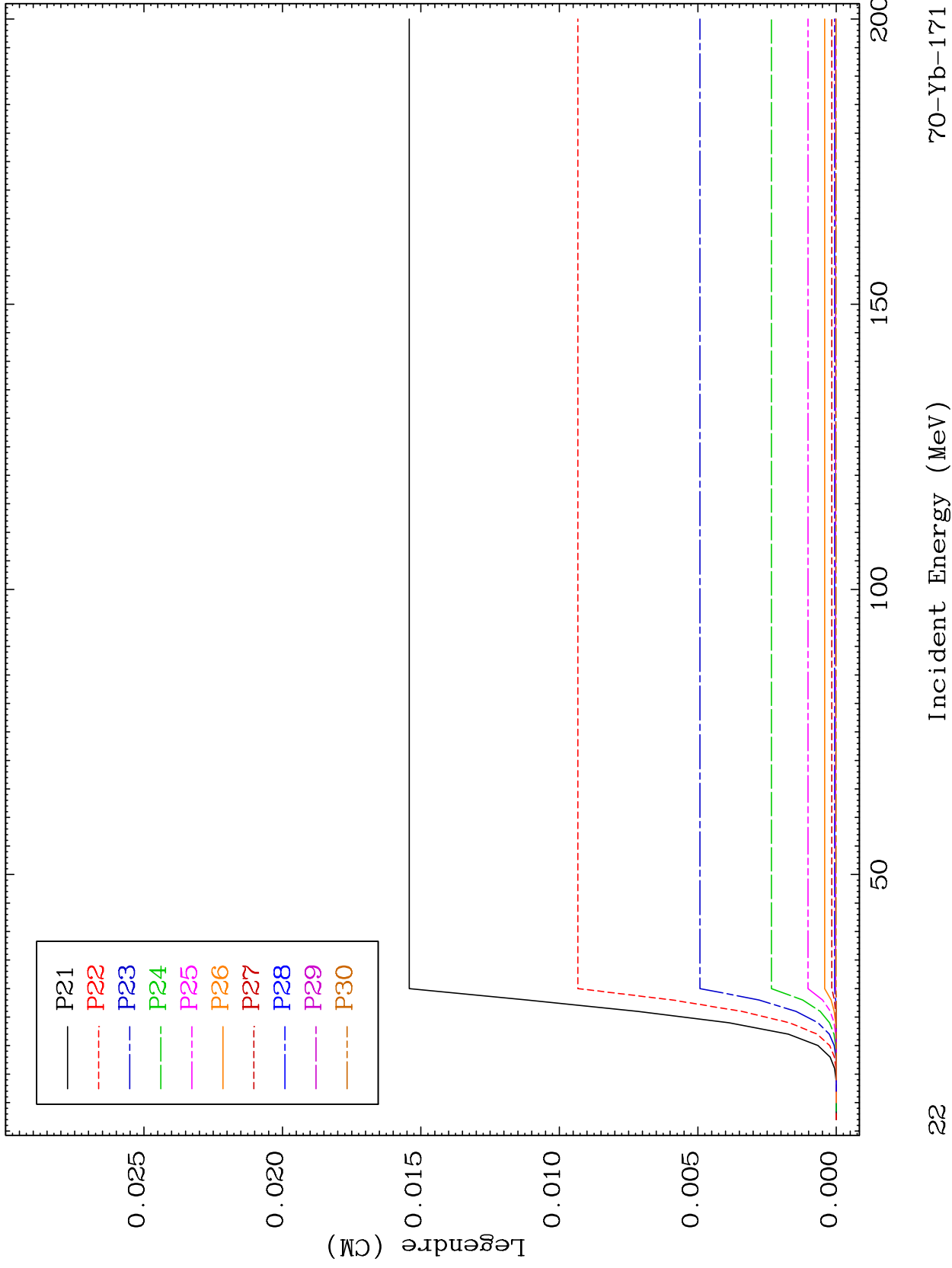




MAT 7034

66.73 keV (n,n') Level
Legendre Coefficients

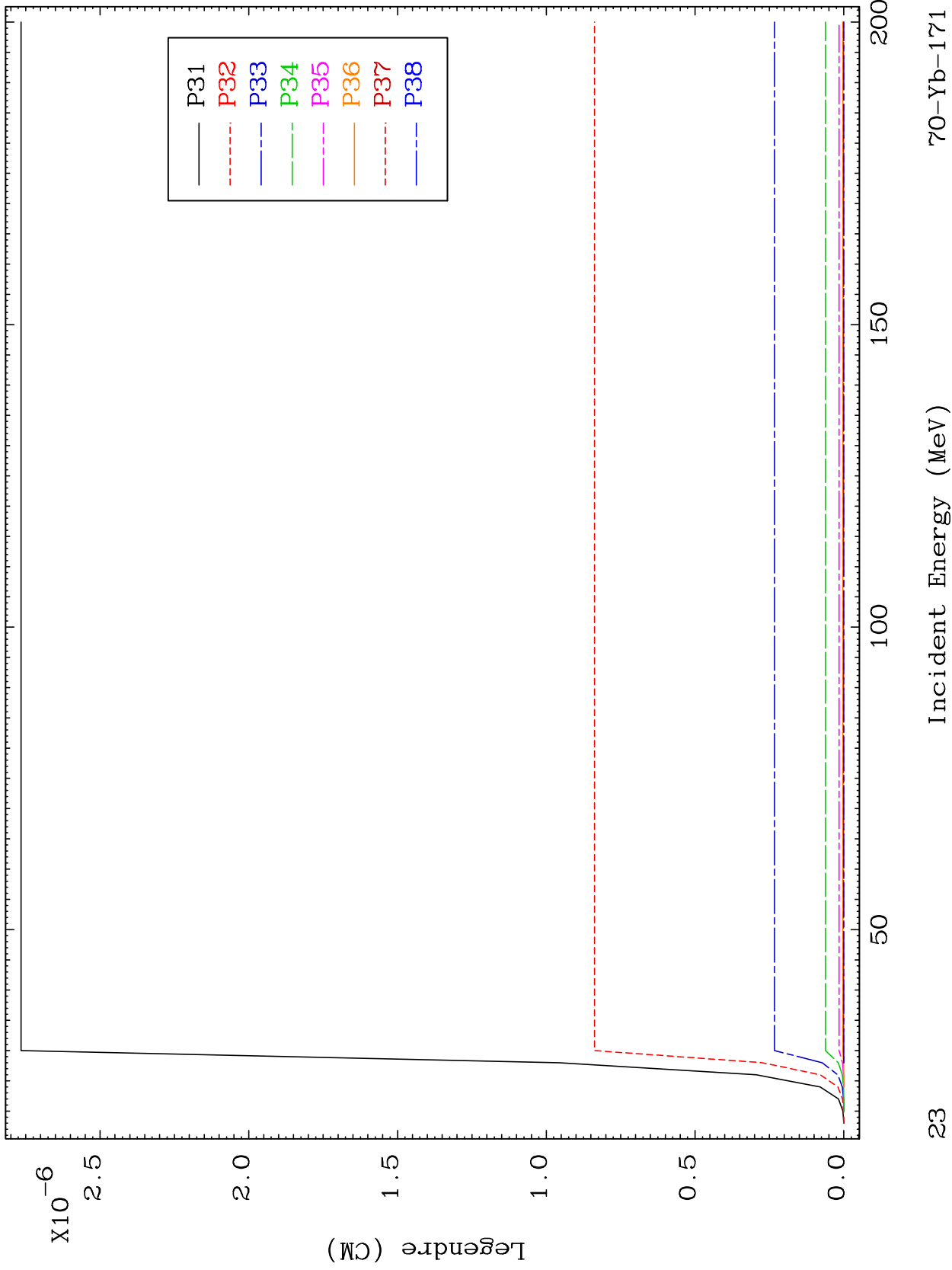
70-Yb-171



MAT 7034

66.73 keV (n,n') Level
Legendre Coefficients

70-Yb-171

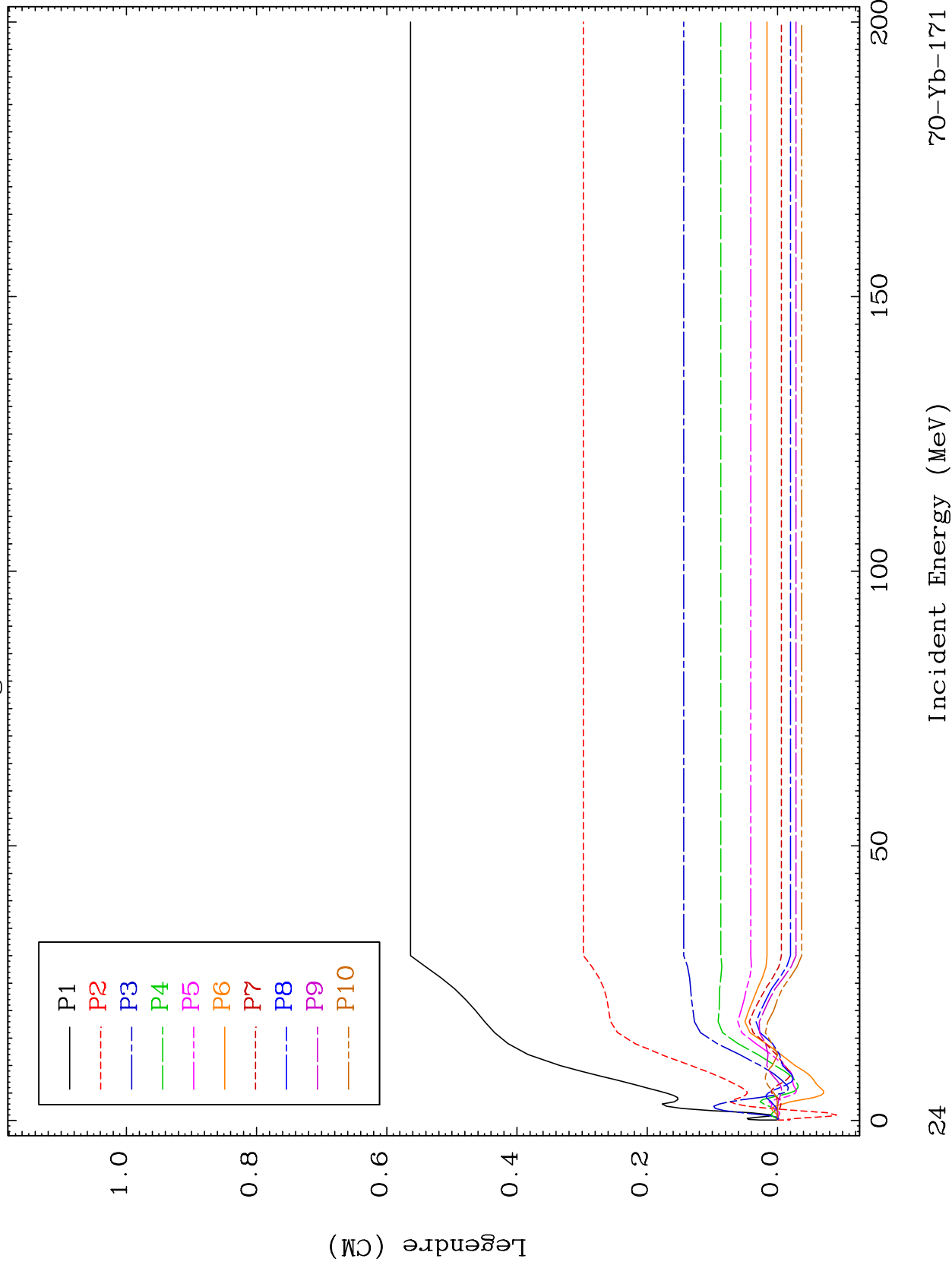


23

MAT 7034

75.88 keV (n, n') Level
Legendre Coefficients

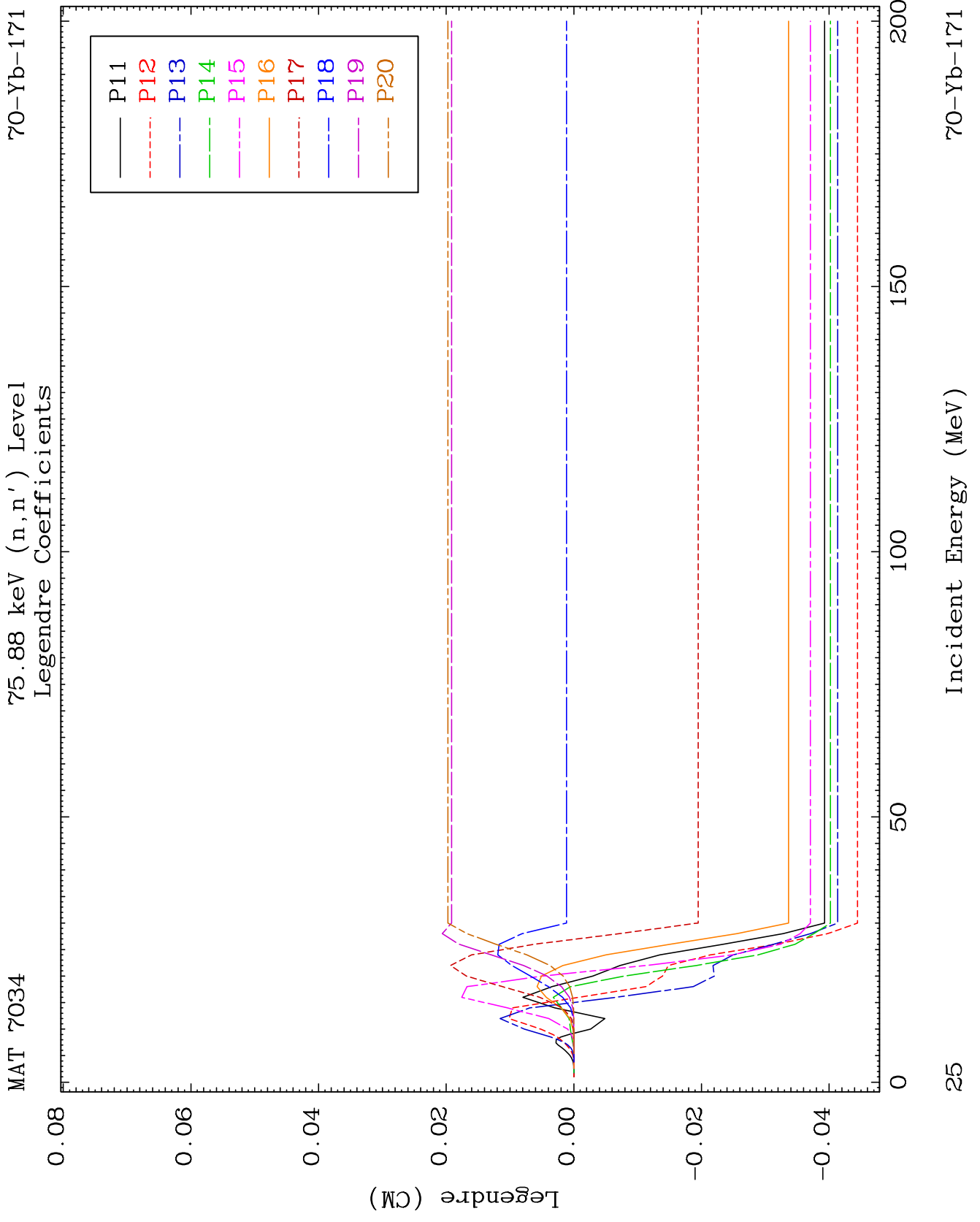
70-Yb-171



24

Incident Energy (MeV)

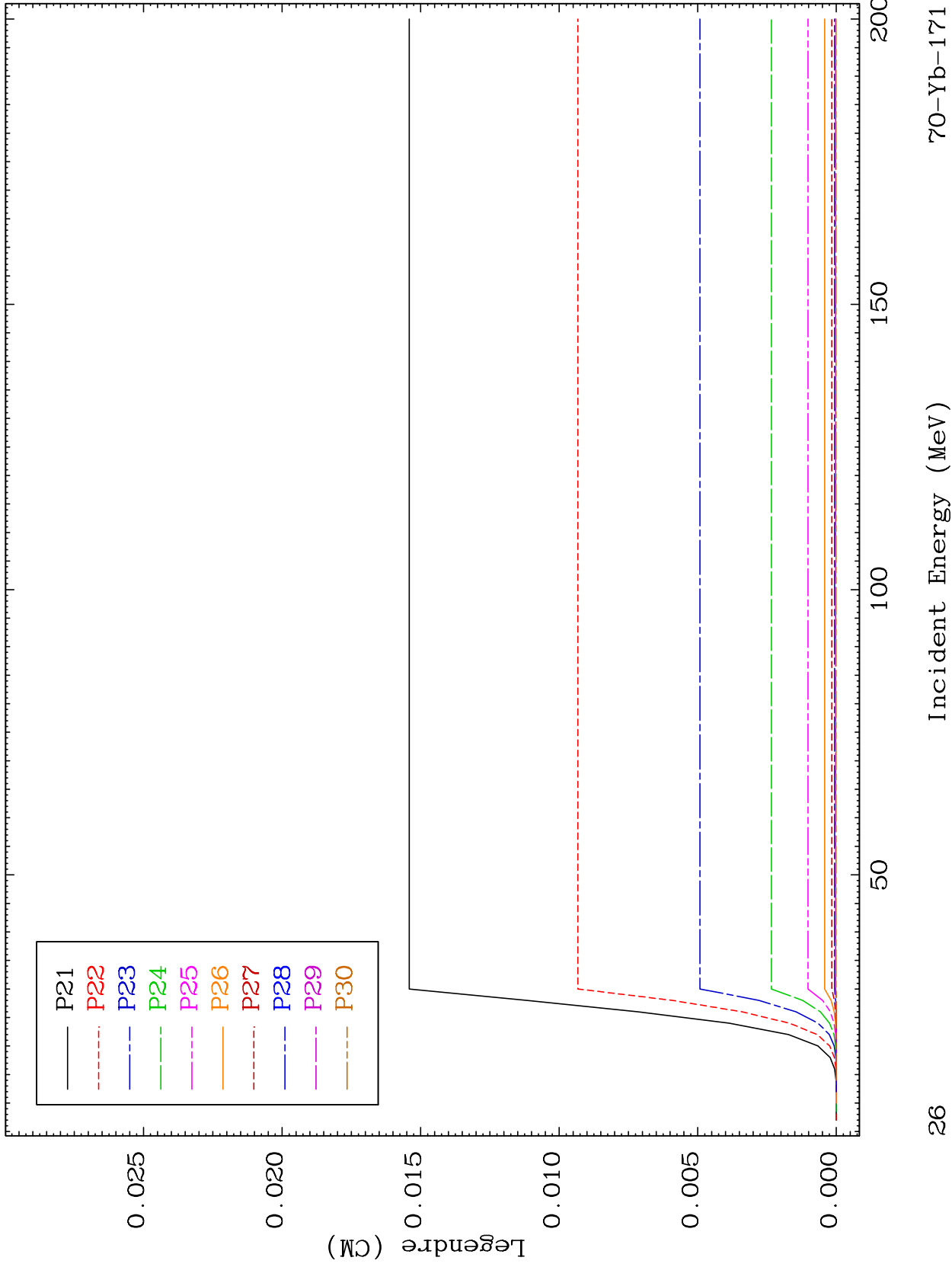
70-Yb-171



MAT 7034

75.88 keV (n,n') Level
Legendre Coefficients

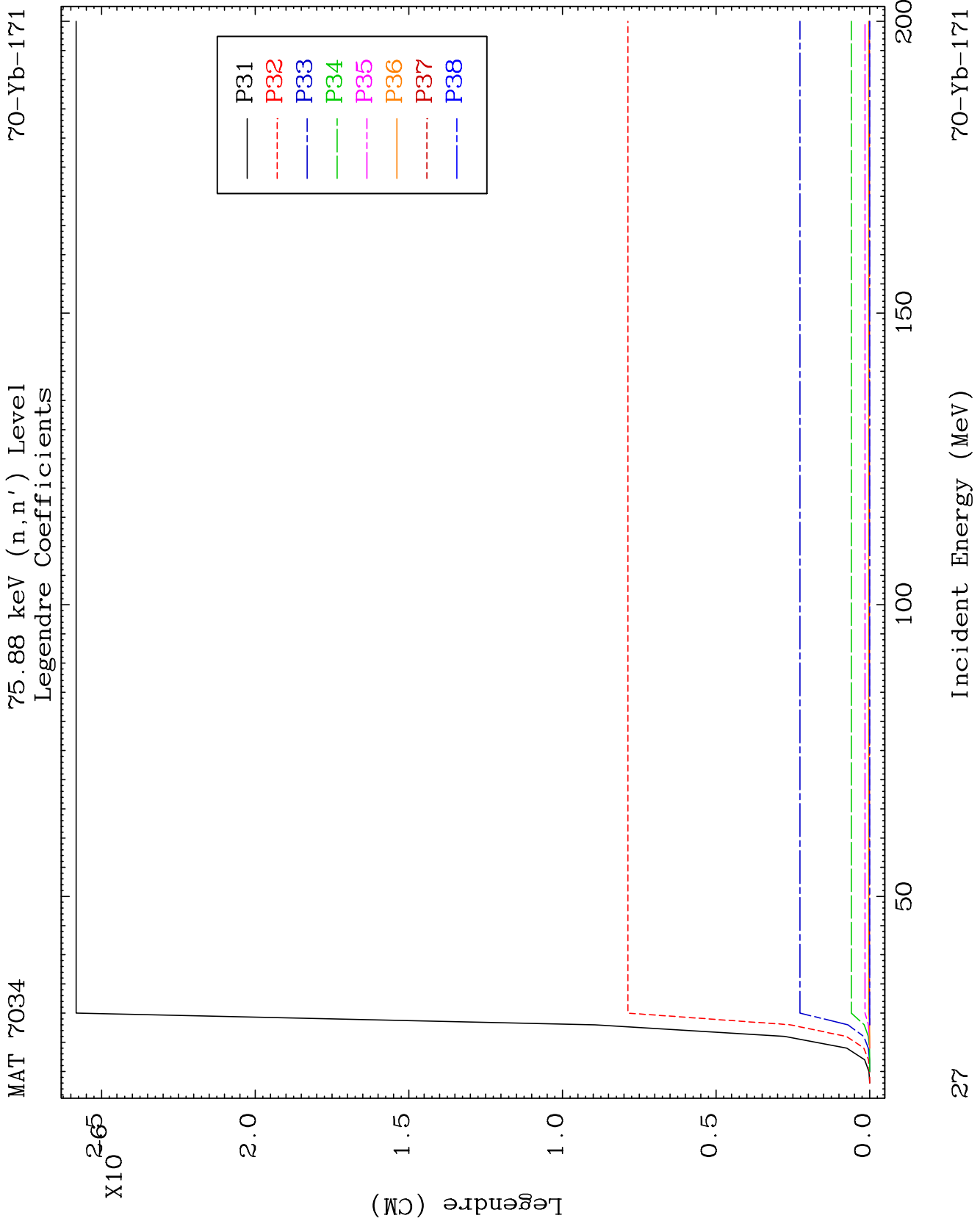
70-Yb-171

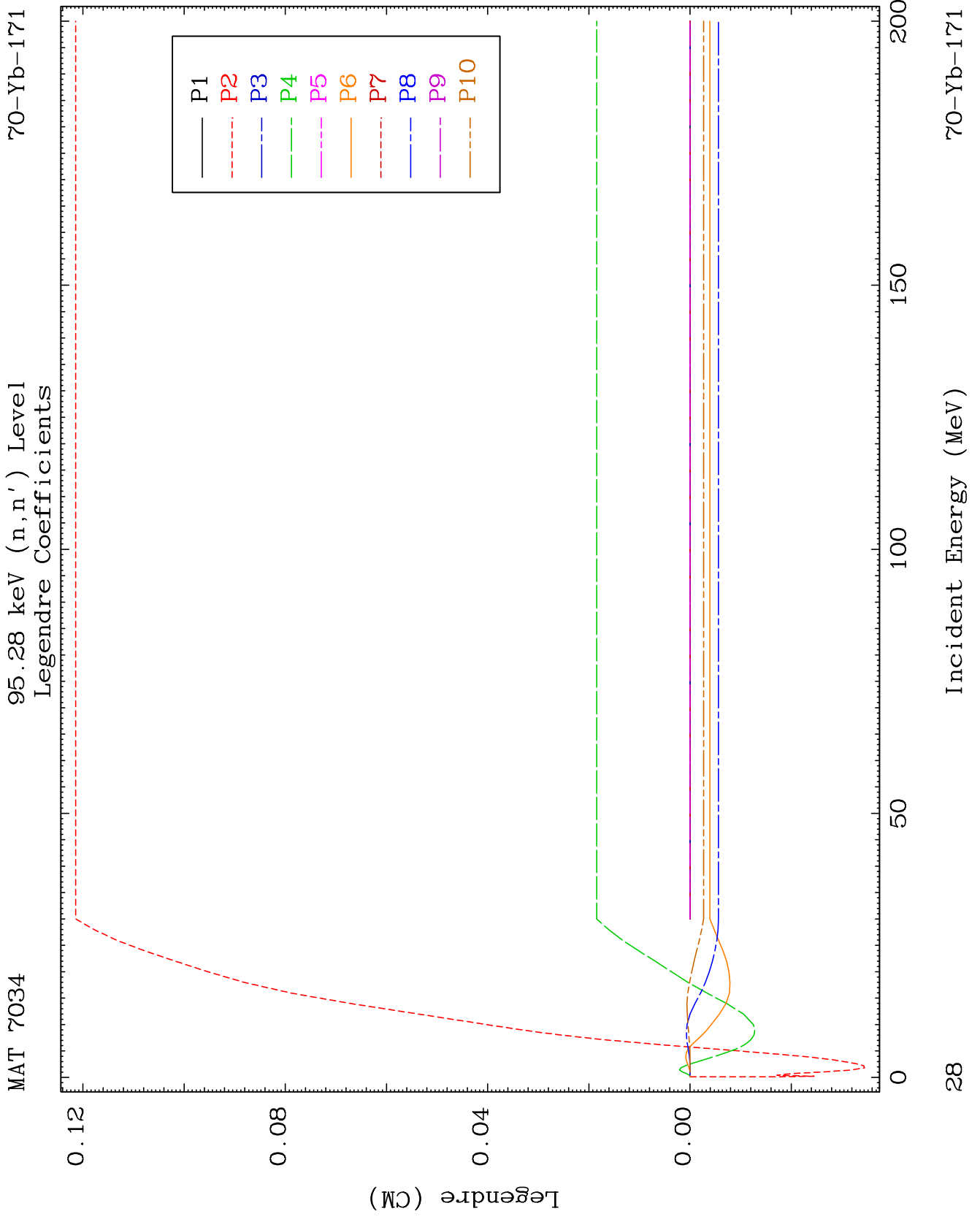


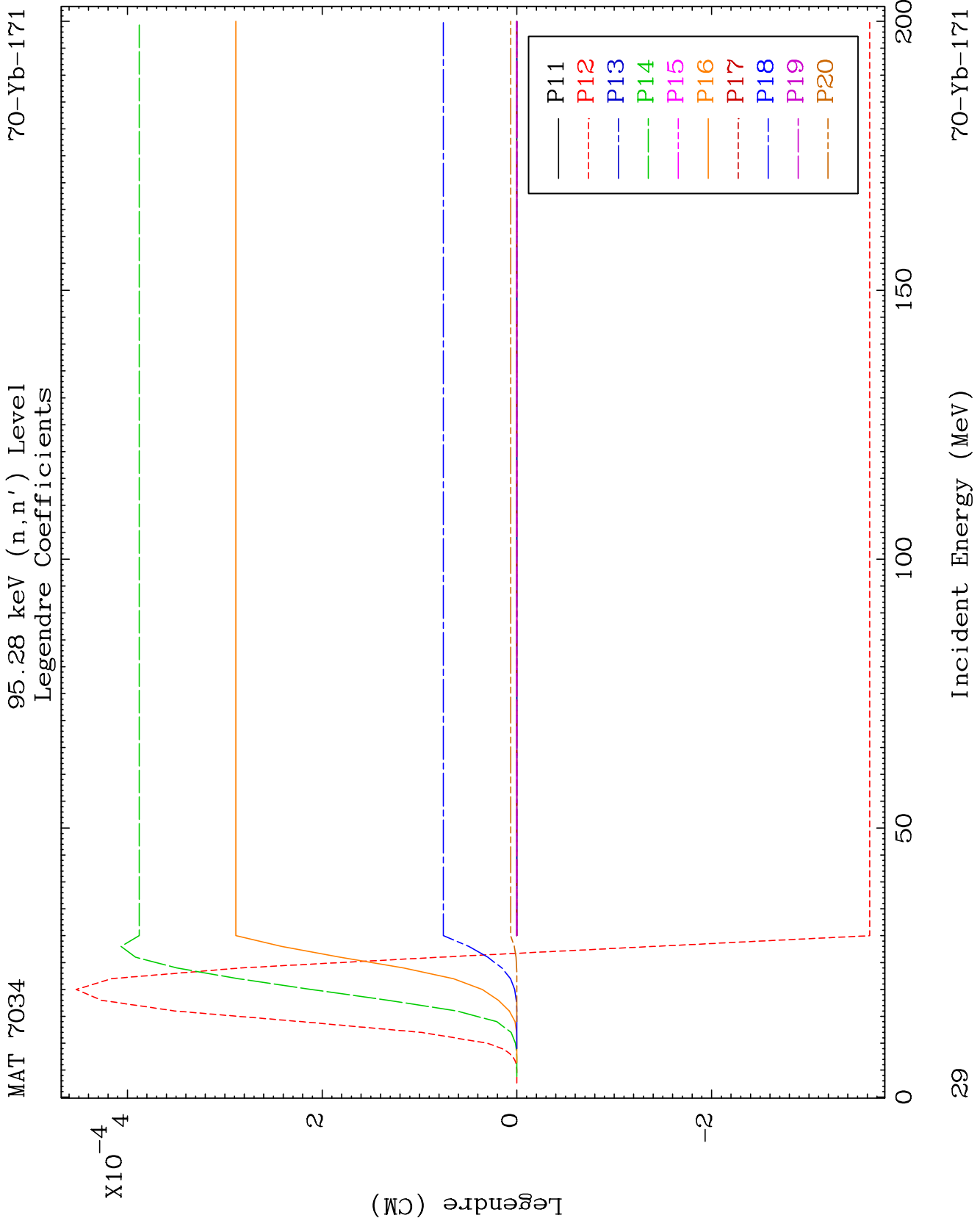
26

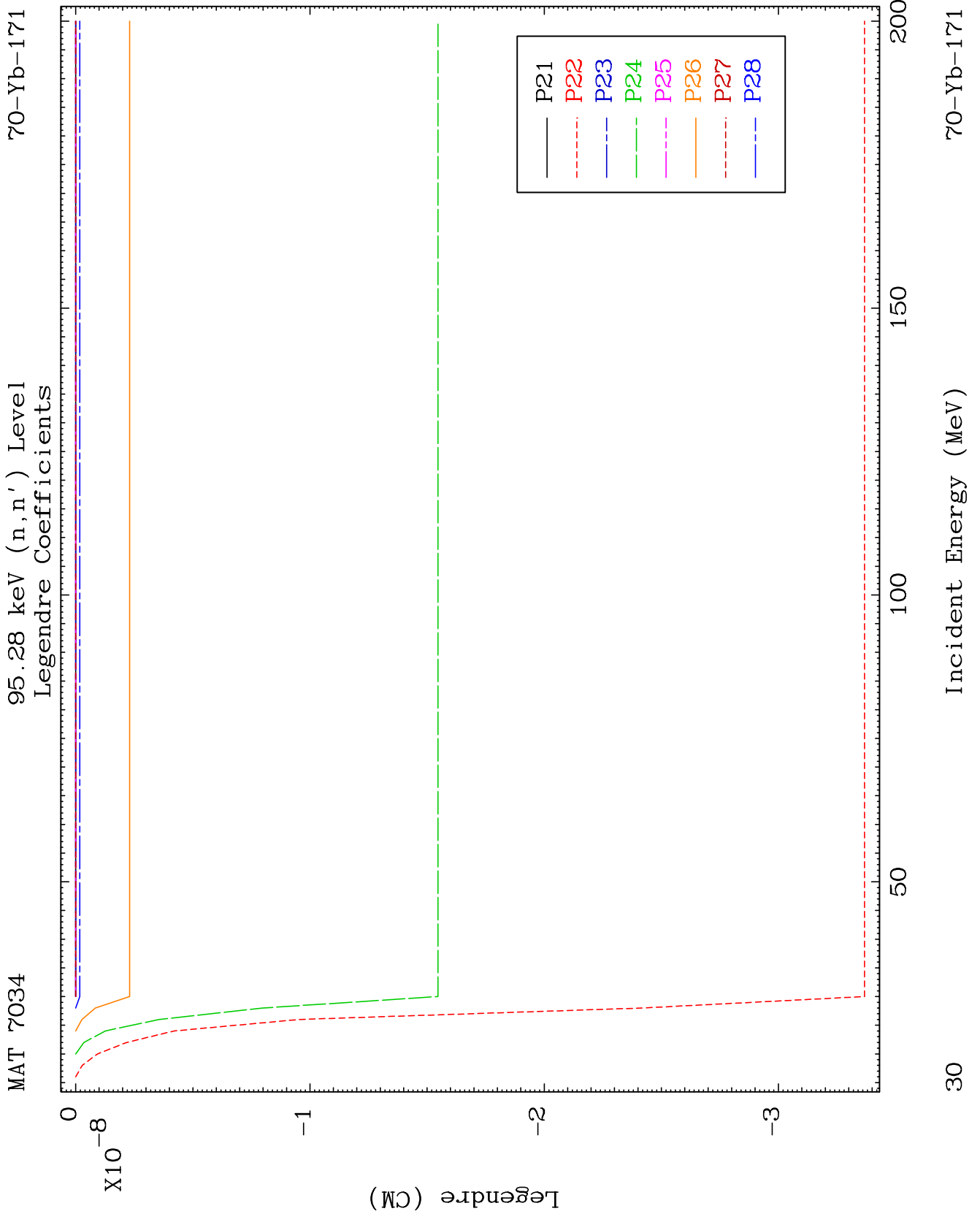
Incident Energy (MeV)

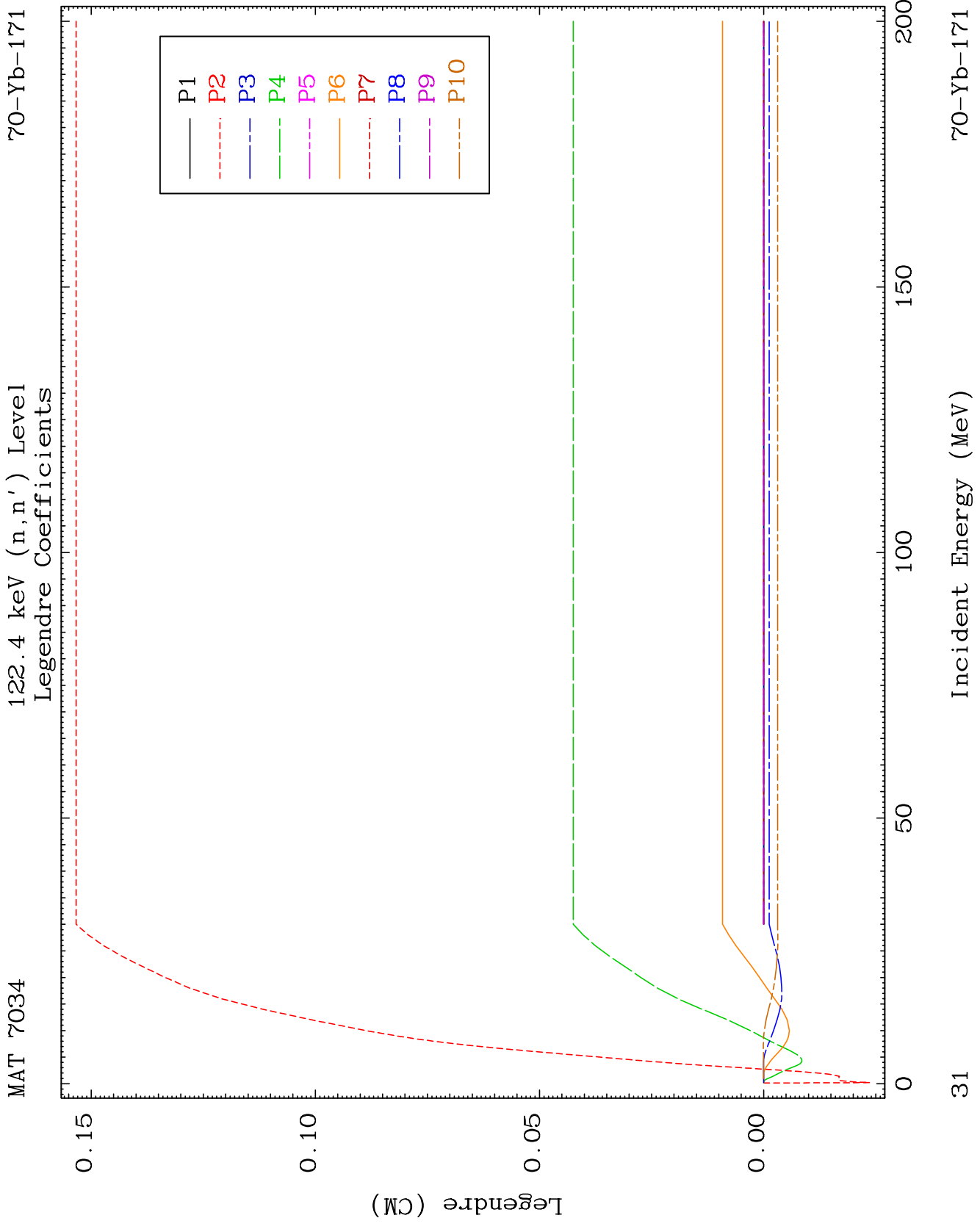
70-Yb-171

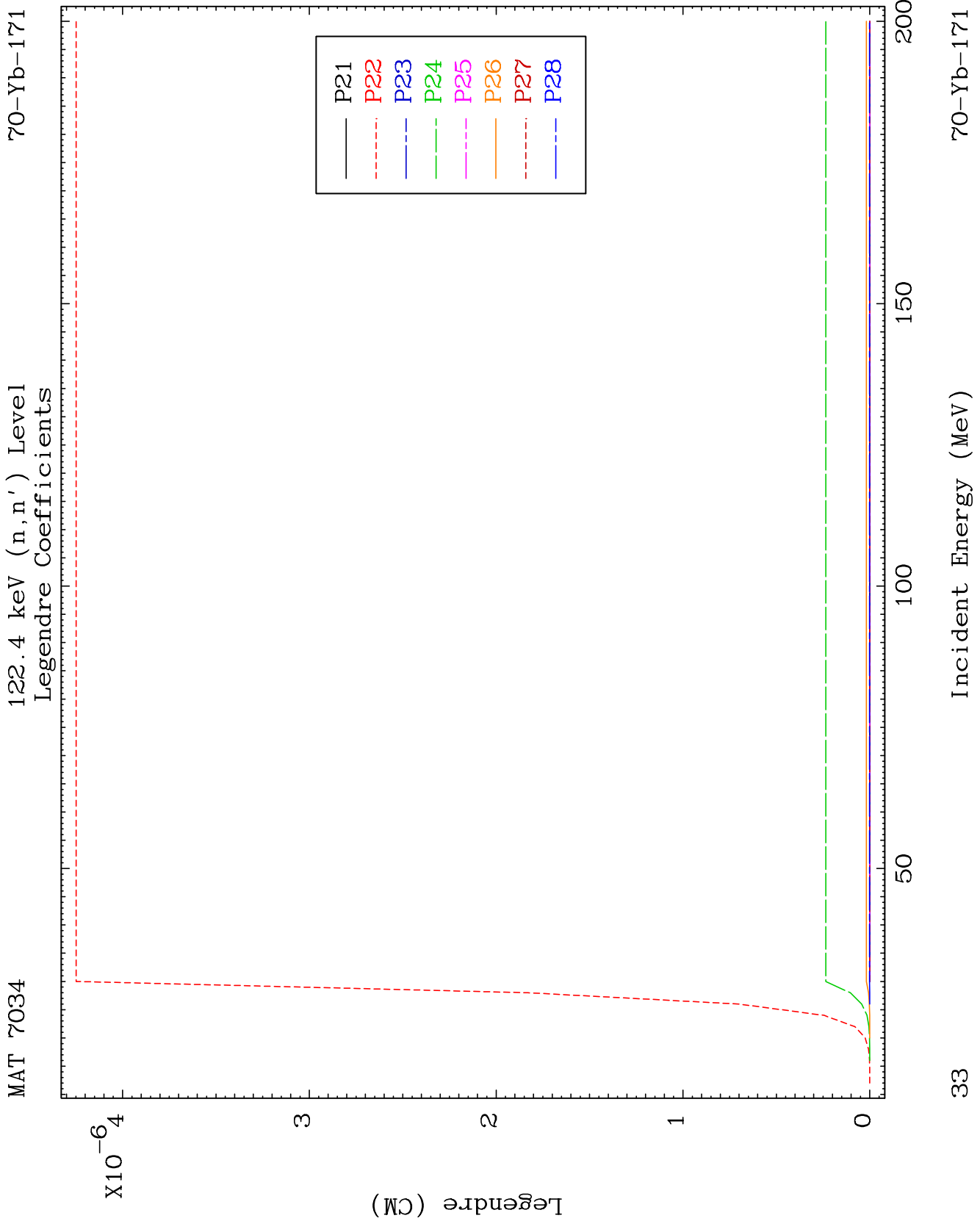


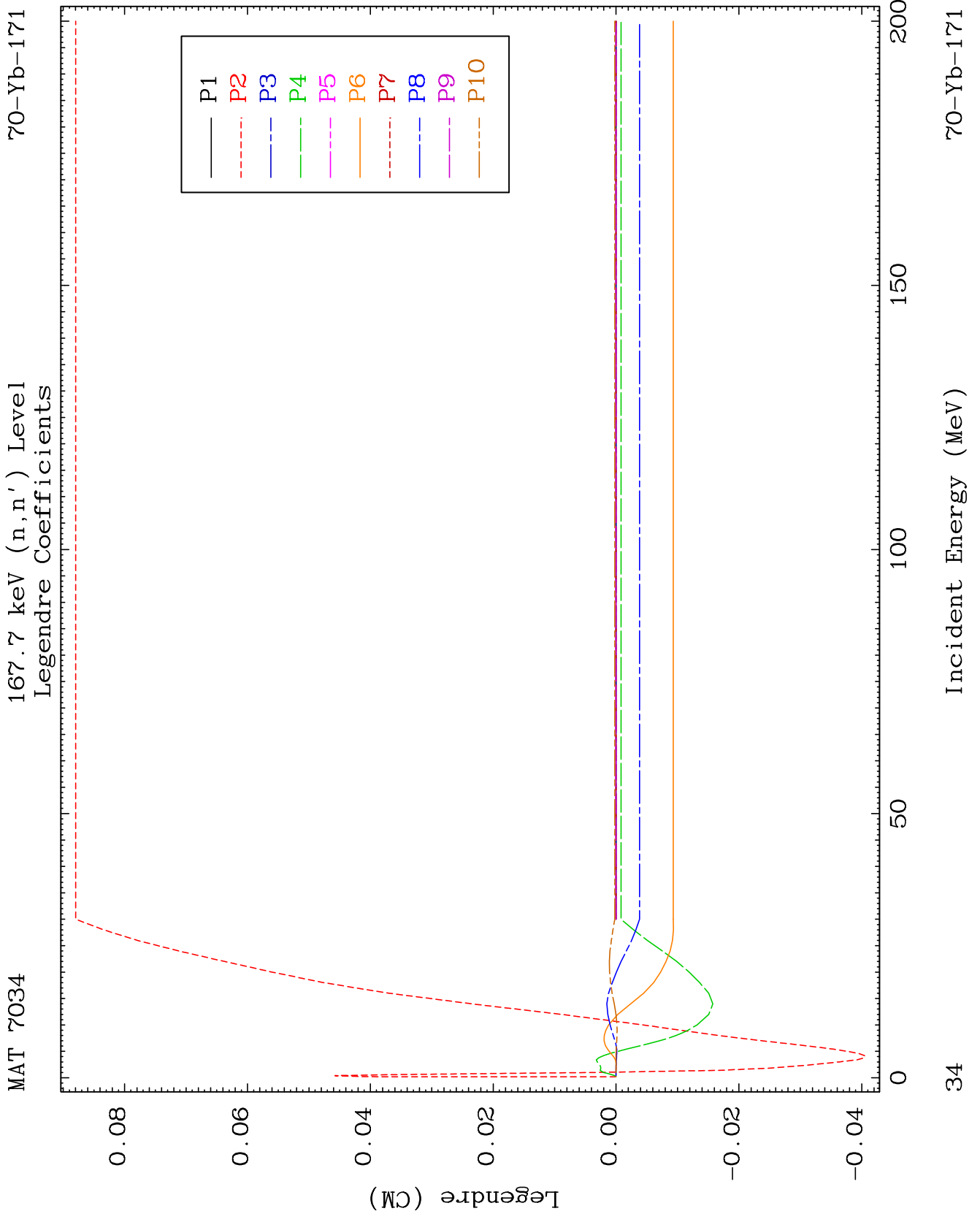


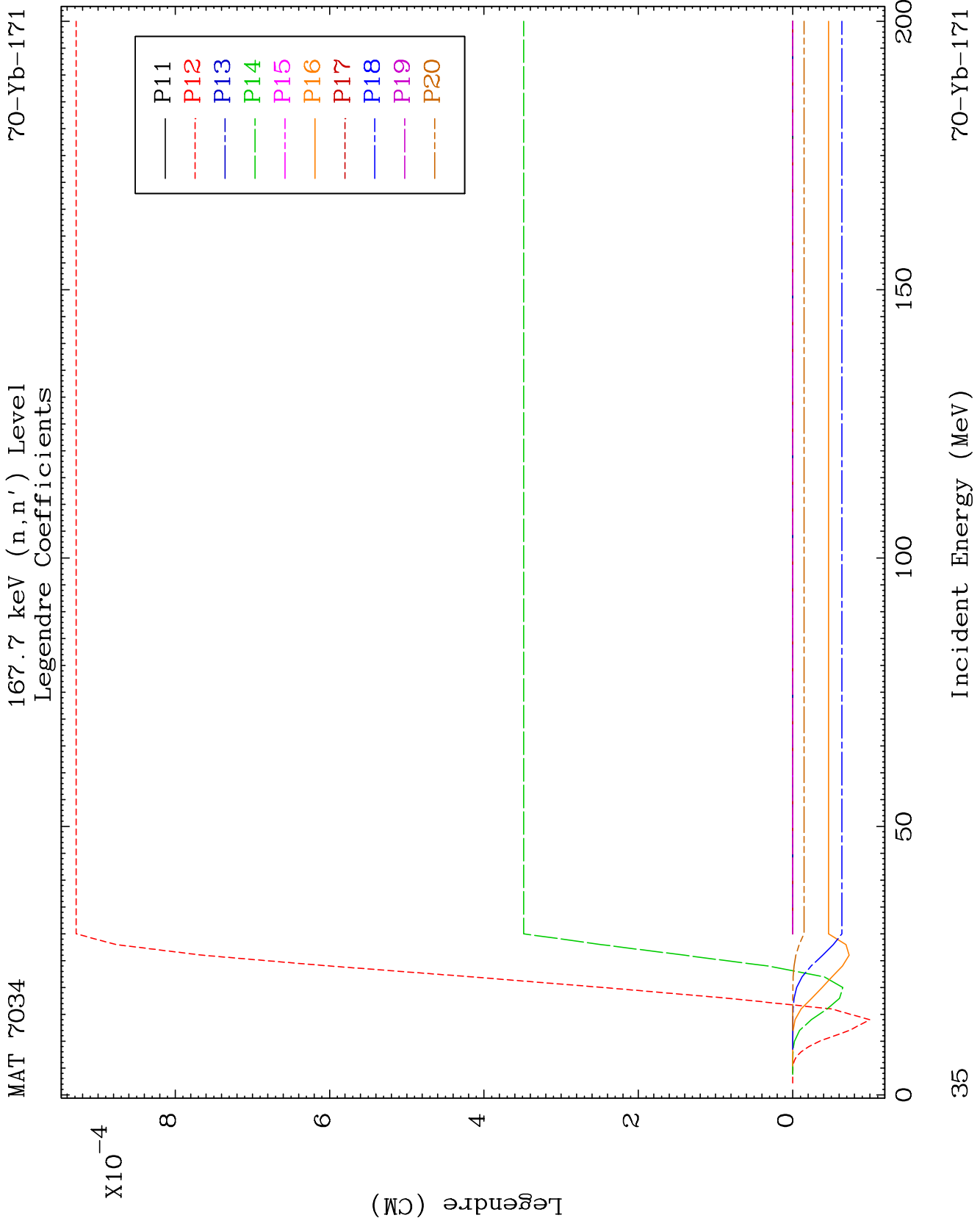


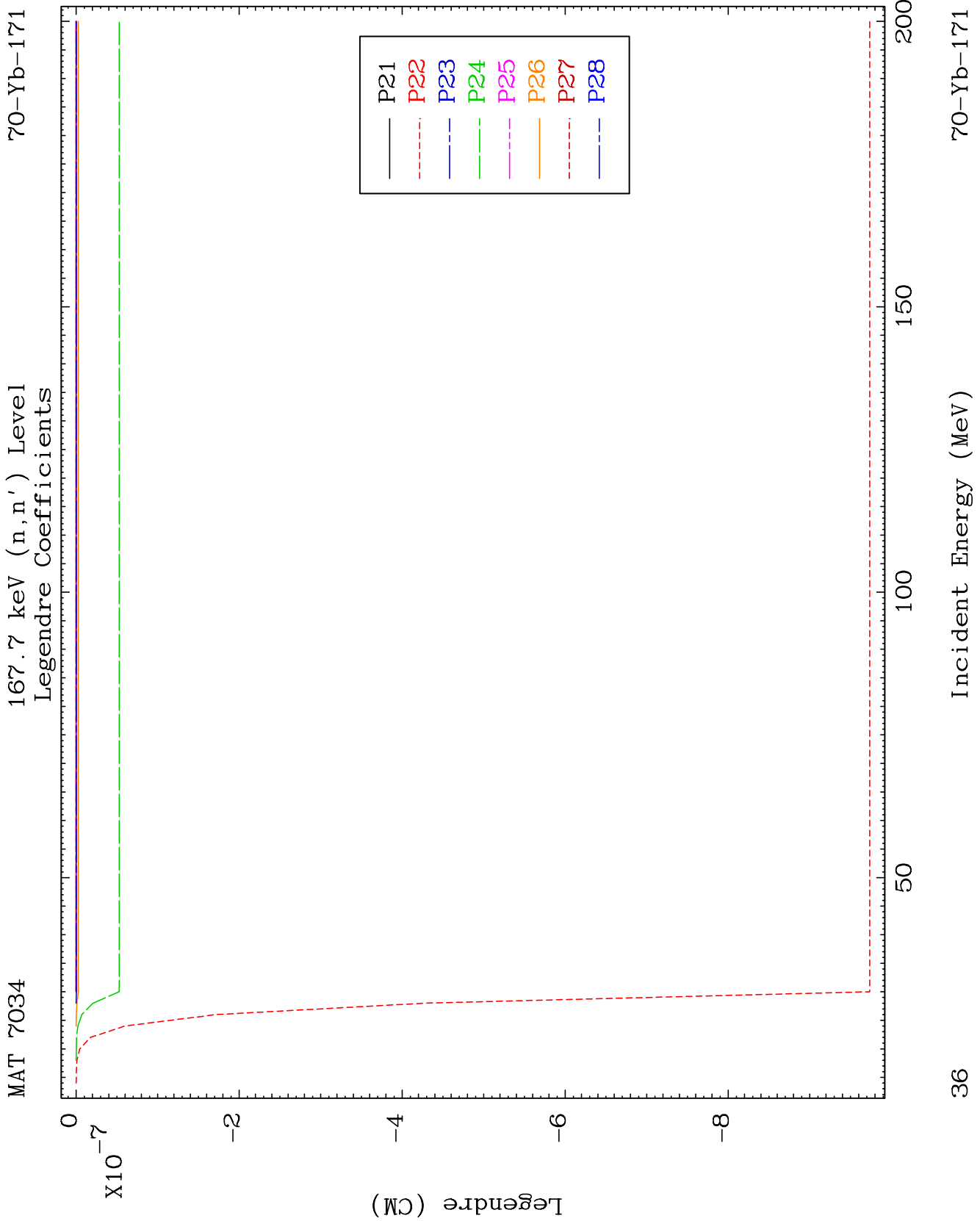


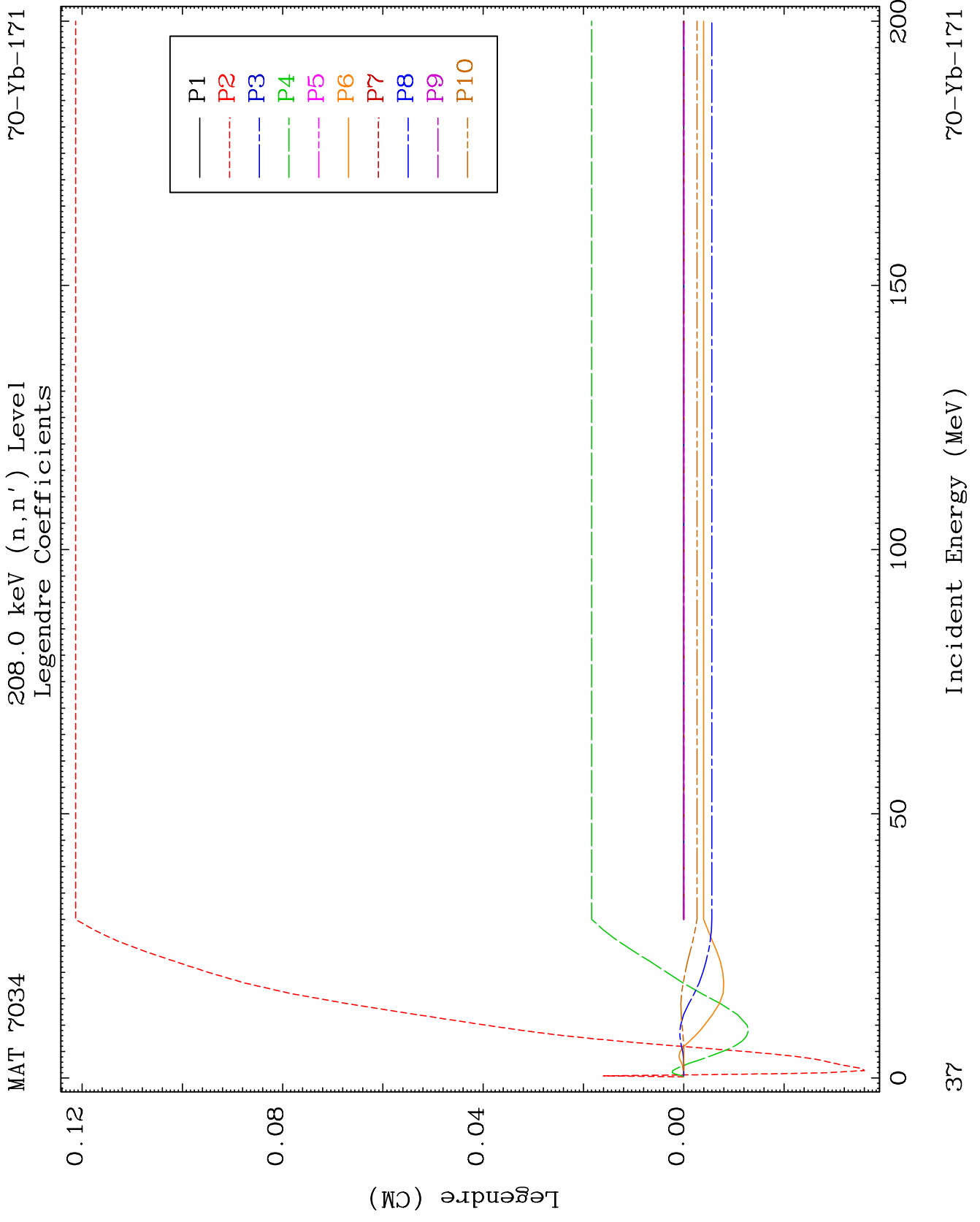








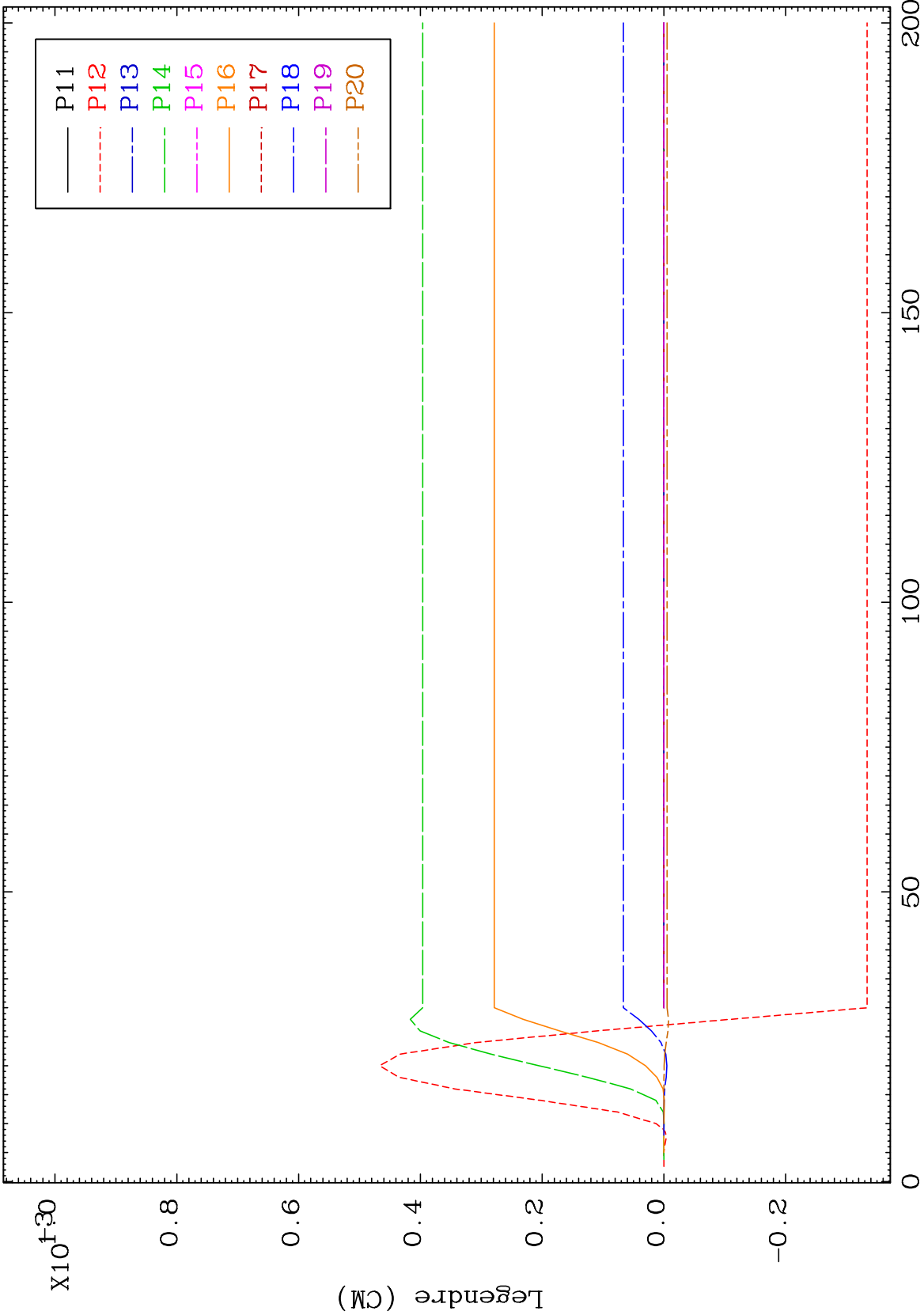




MAT 7034

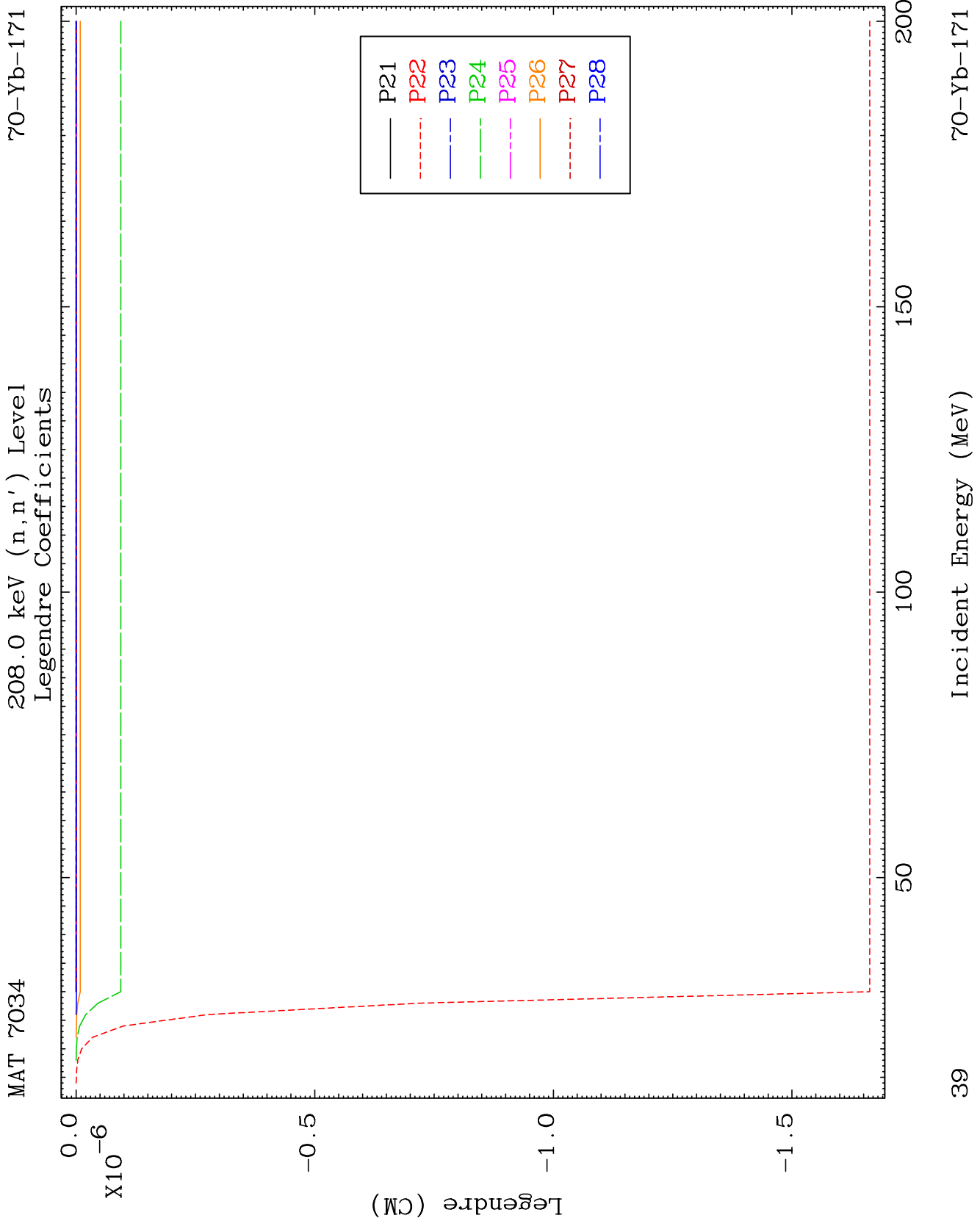
208.0 keV (n,n') Level
Legendre Coefficients

70-Yb-171



38

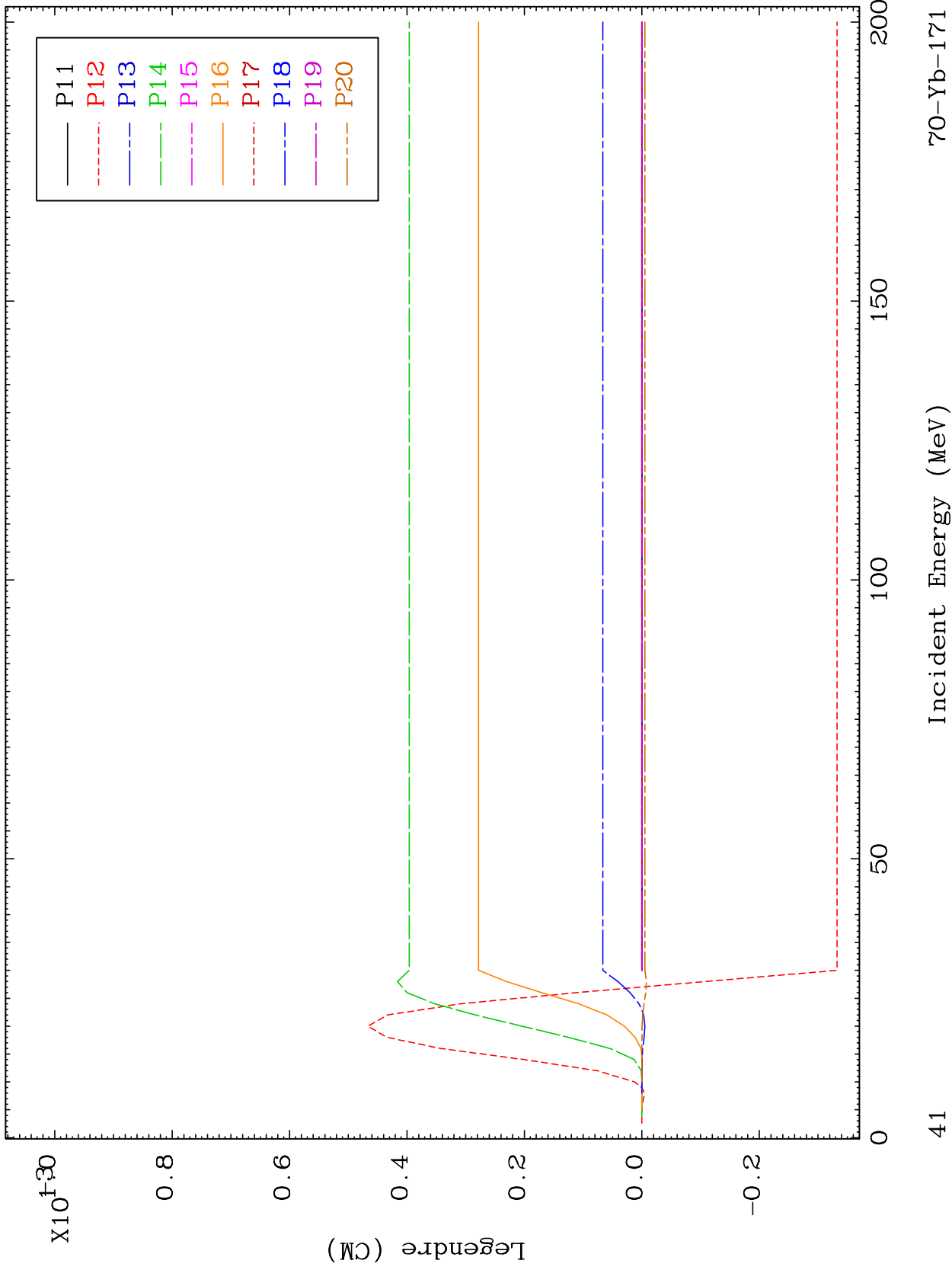
70-Yb-171

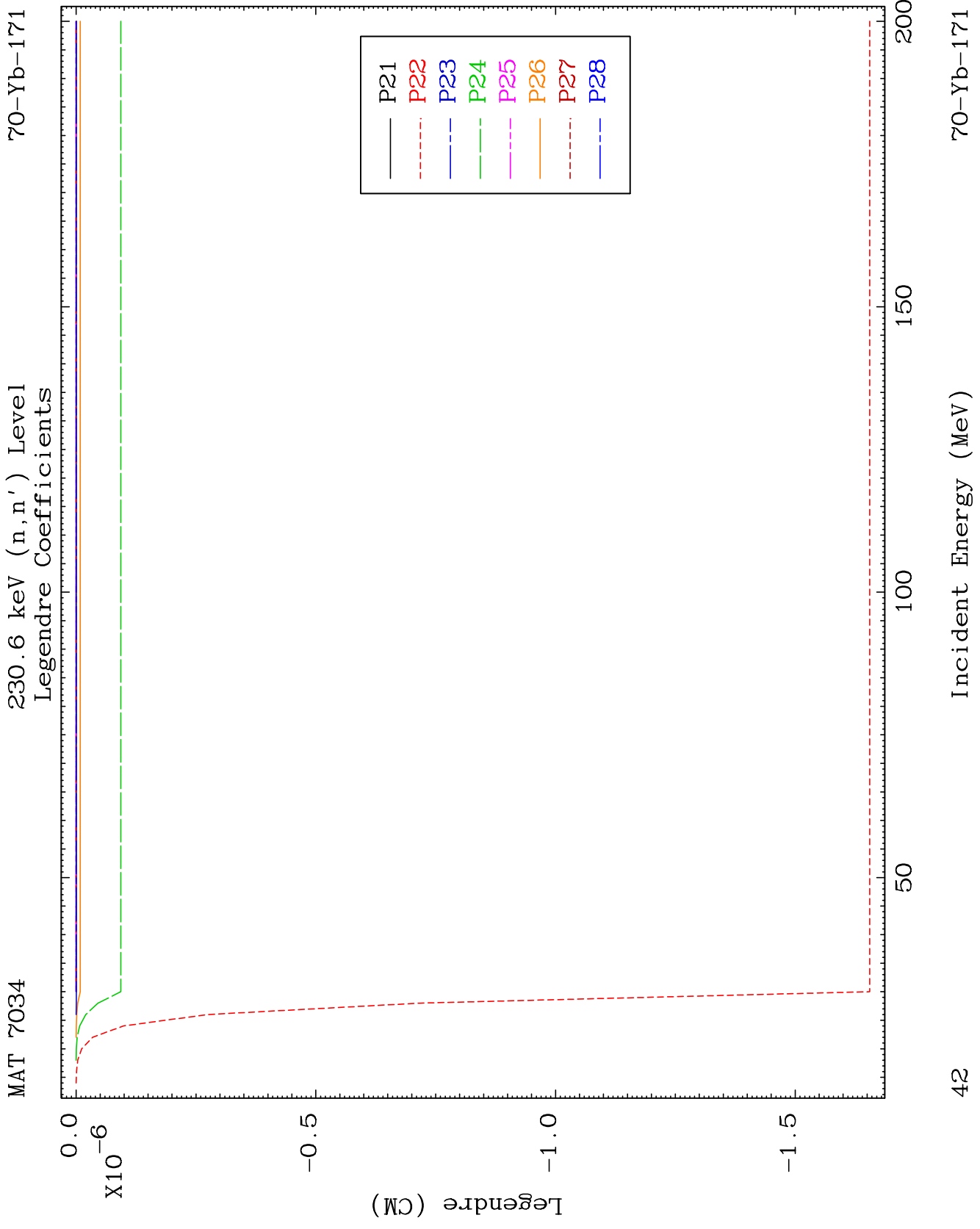


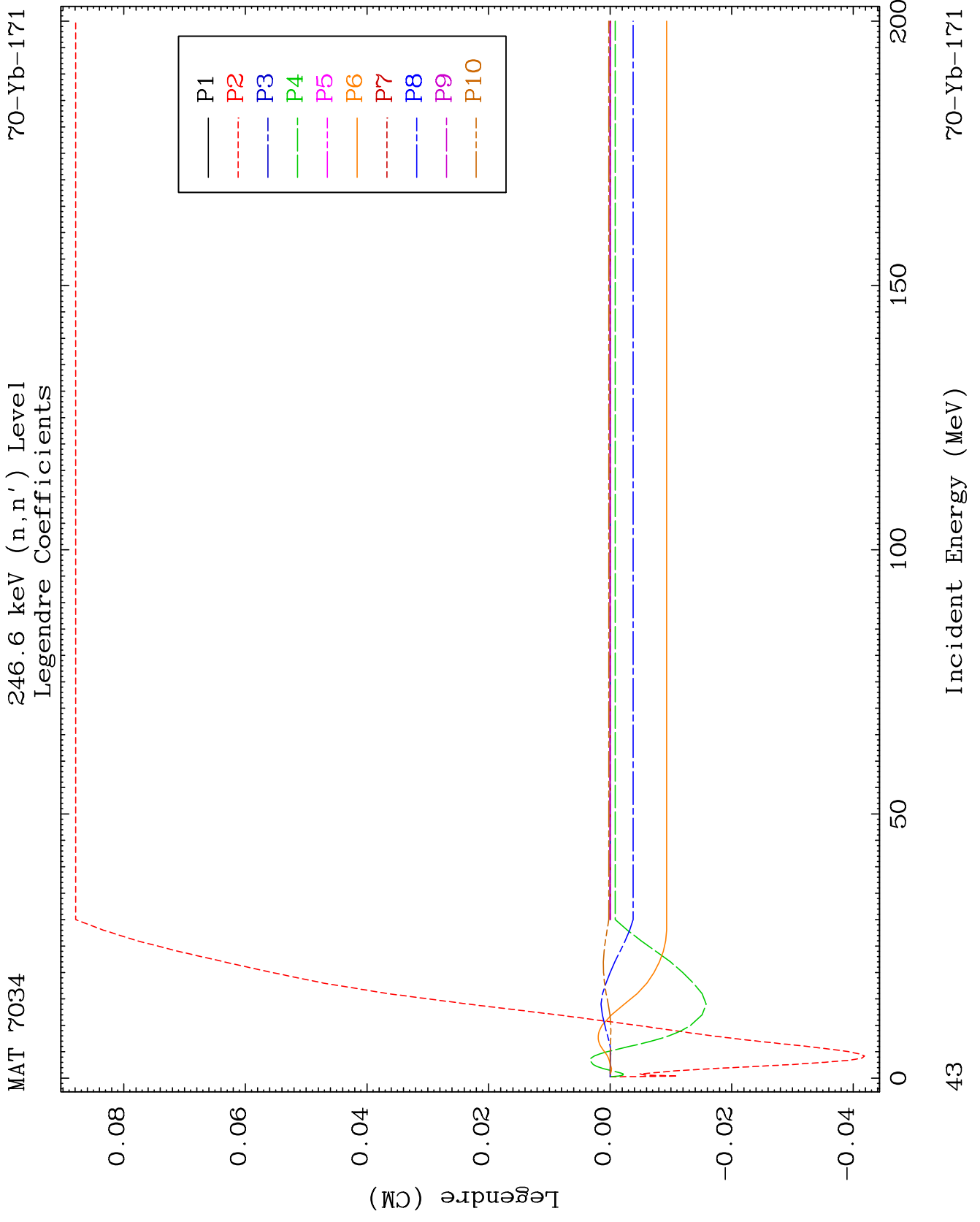
MAT 7034

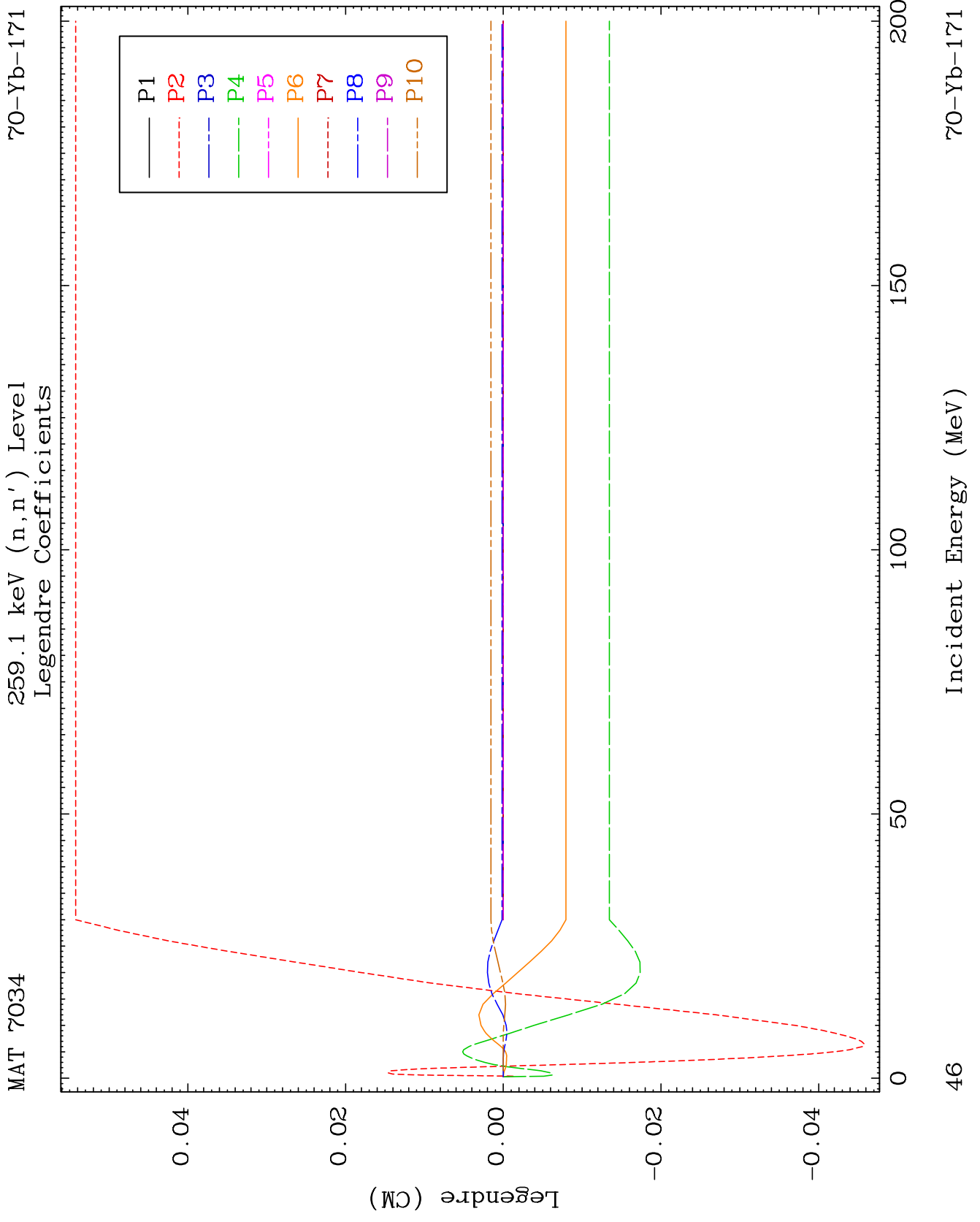
230.6 keV (n,n') Level
Legendre Coefficients

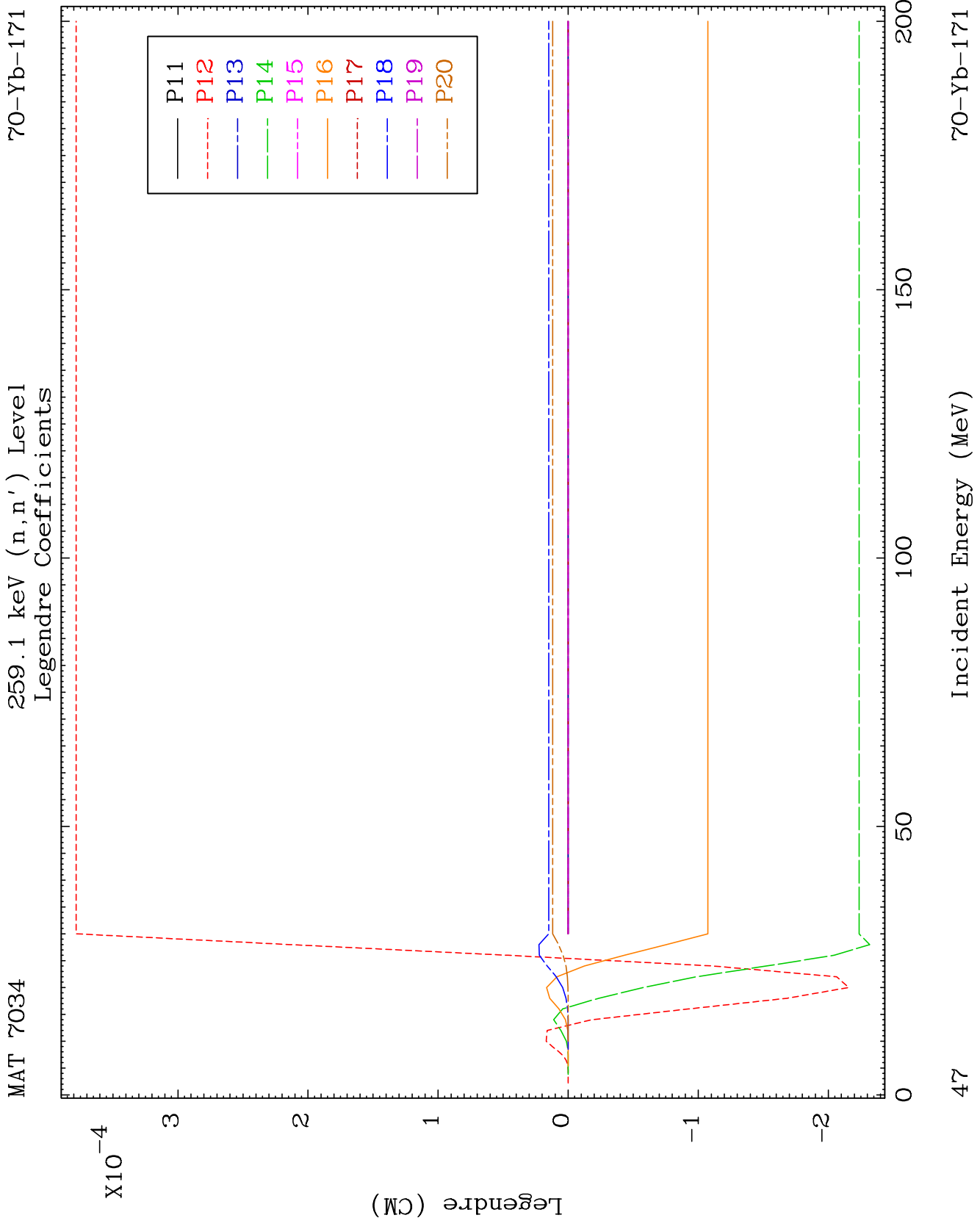
70-Yb-171

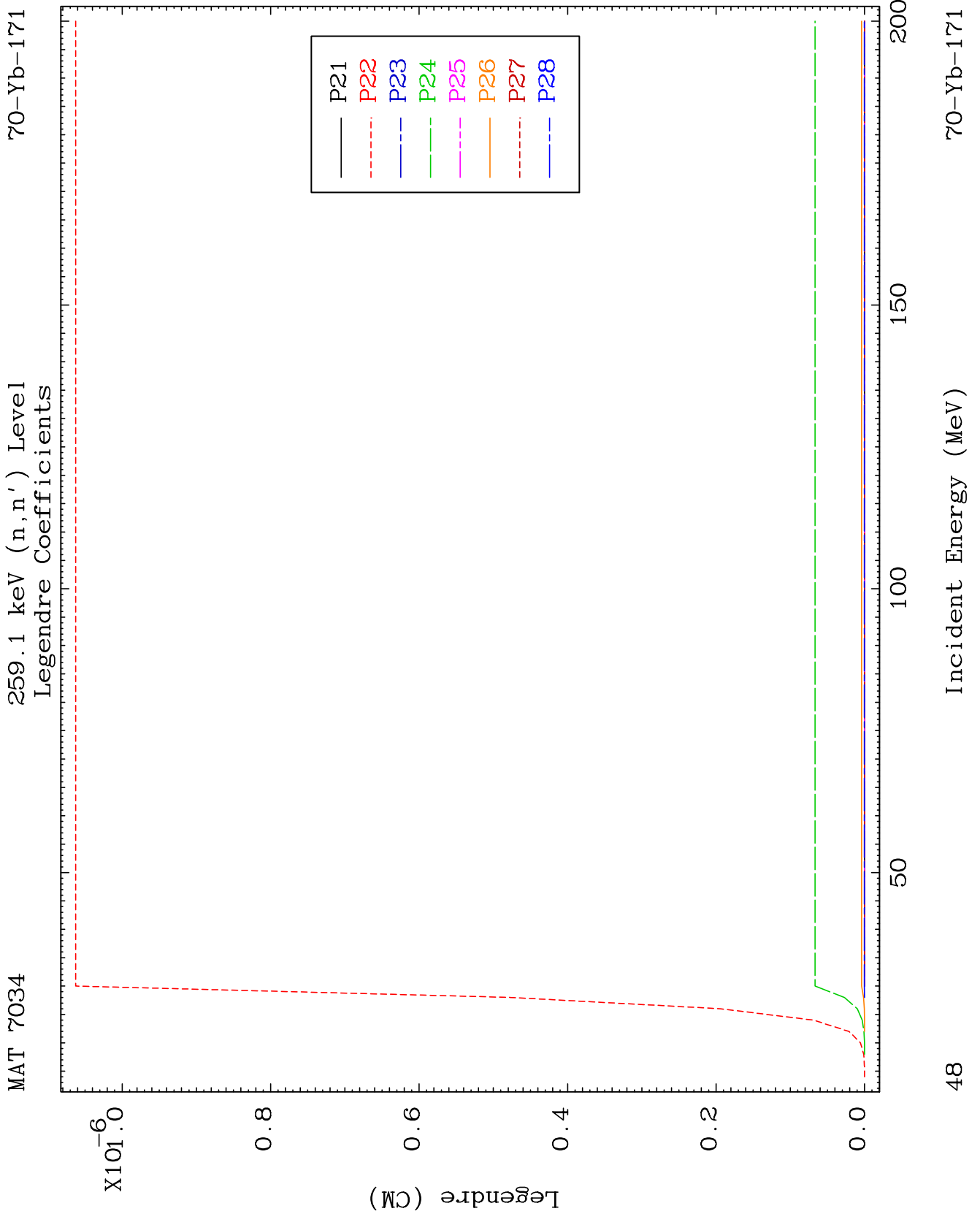


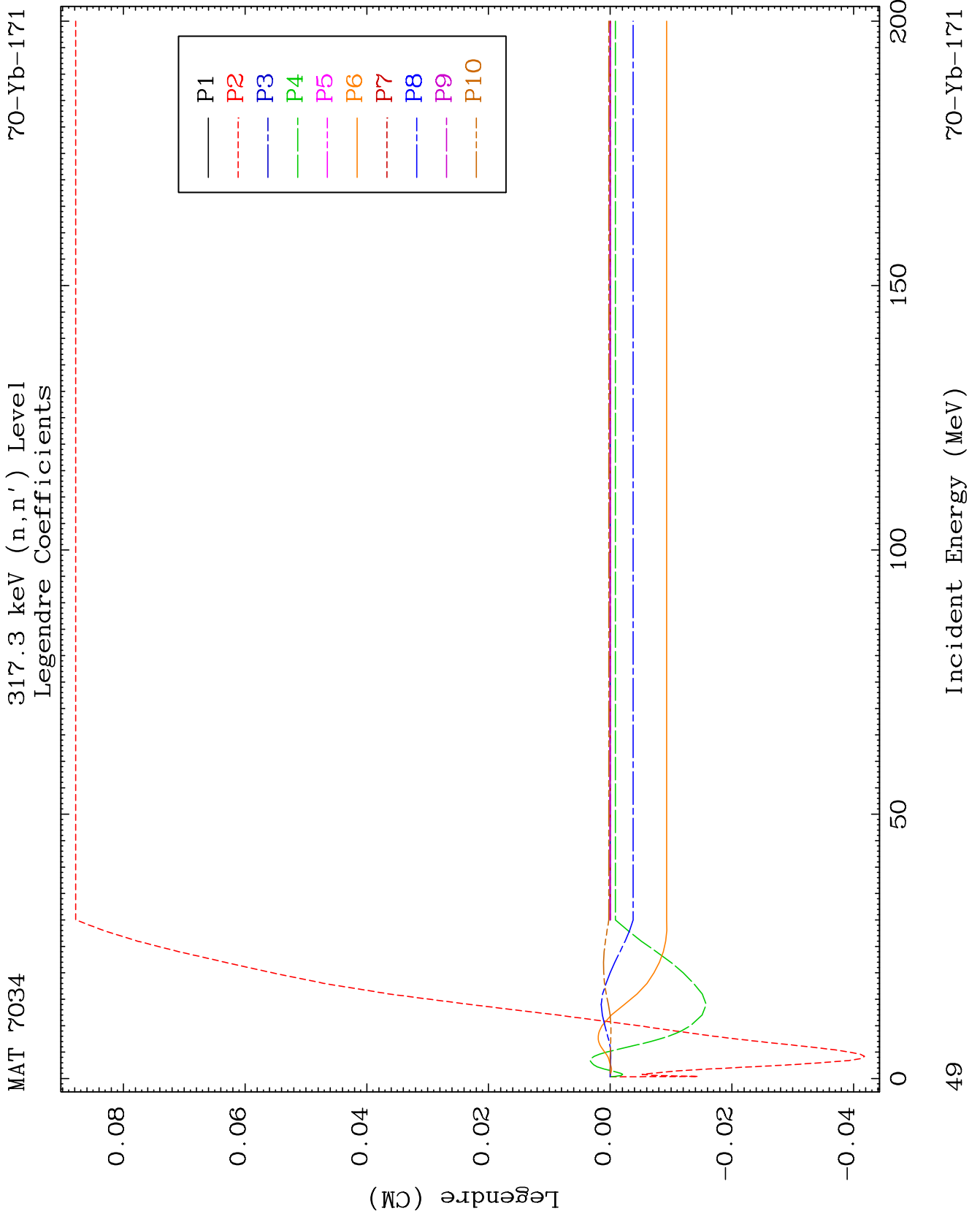


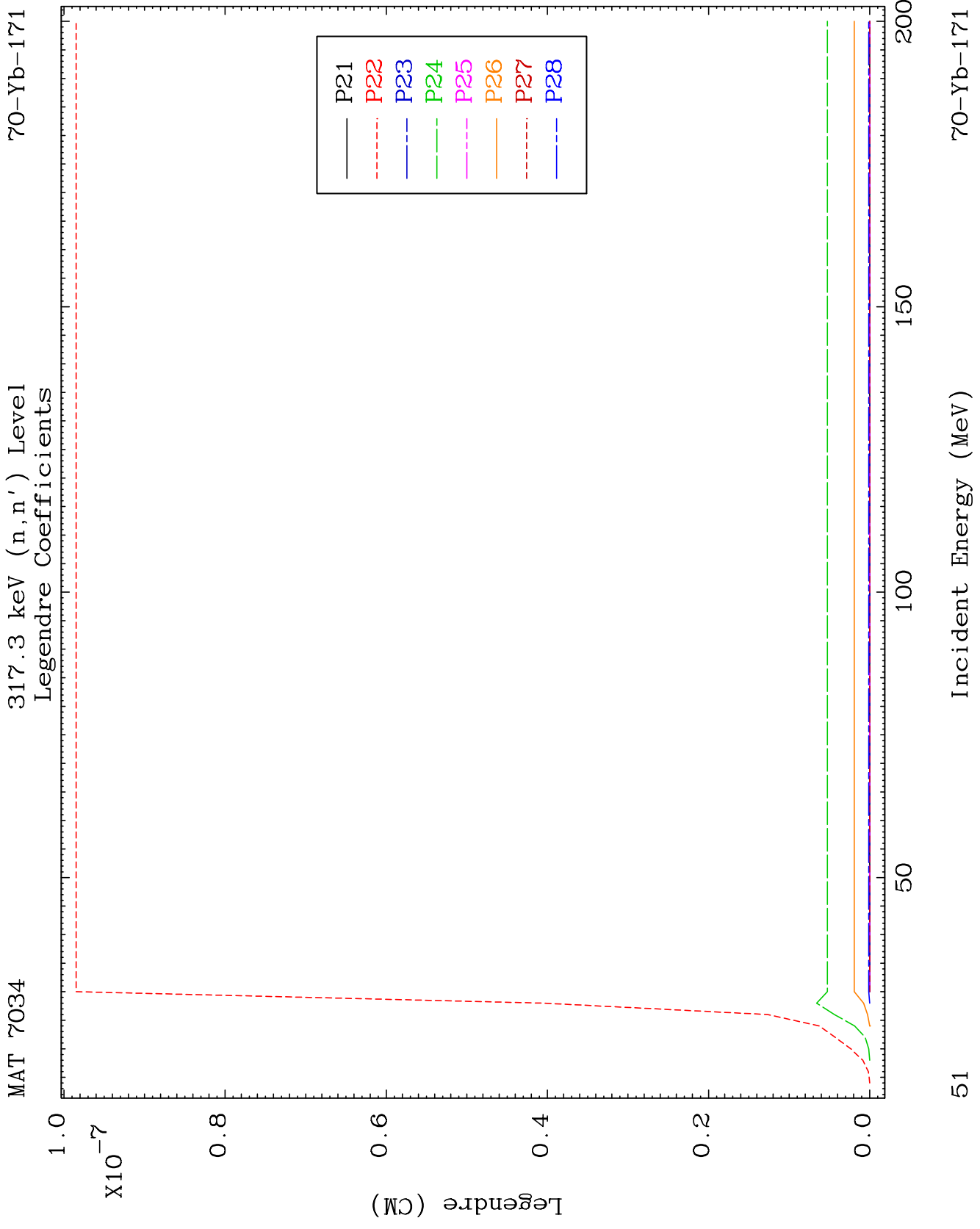








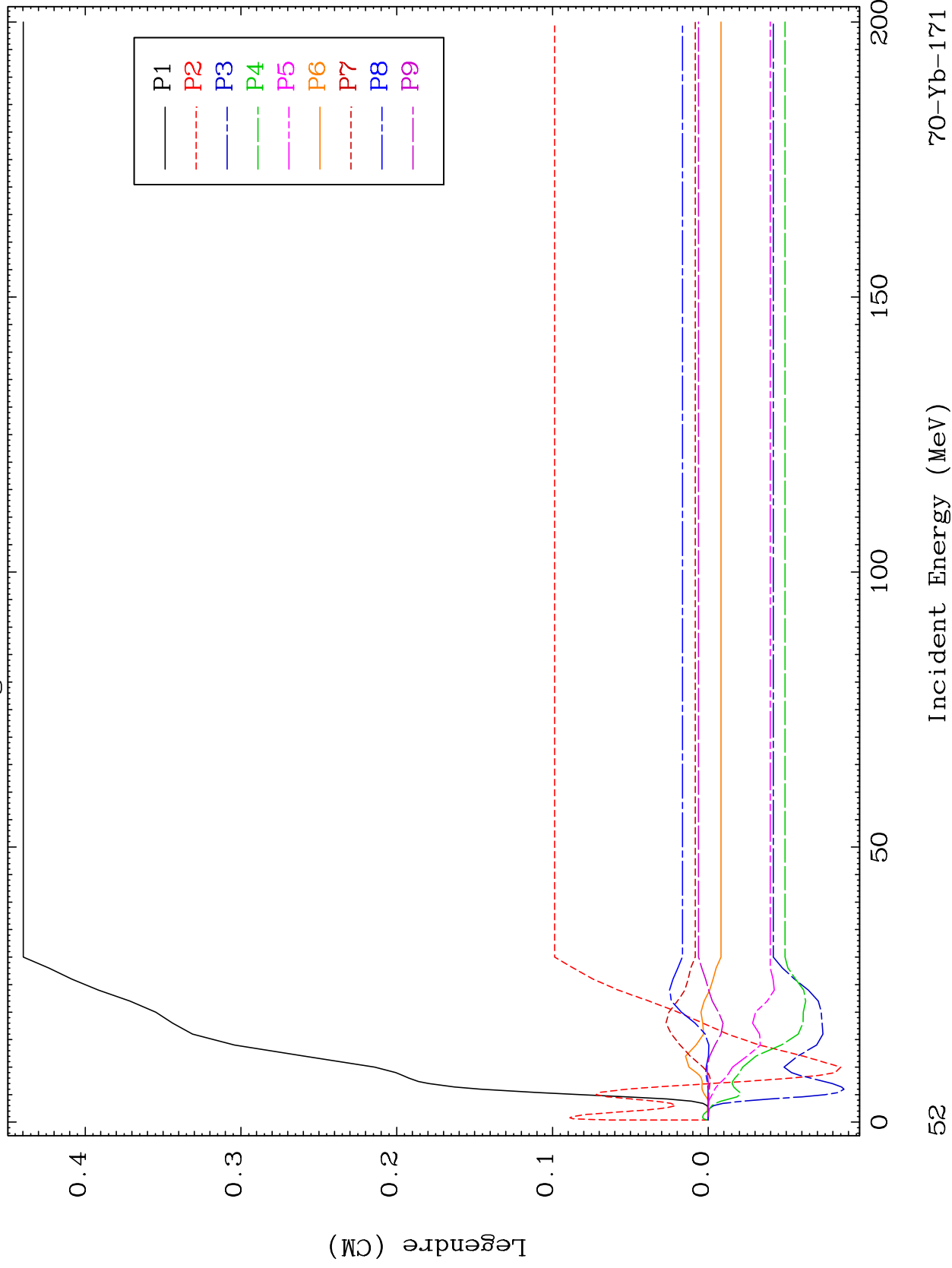




MAT 7034

368.9 keV (n, n') Level
Legendre Coefficients

70-Yb-171



70-Yb-171

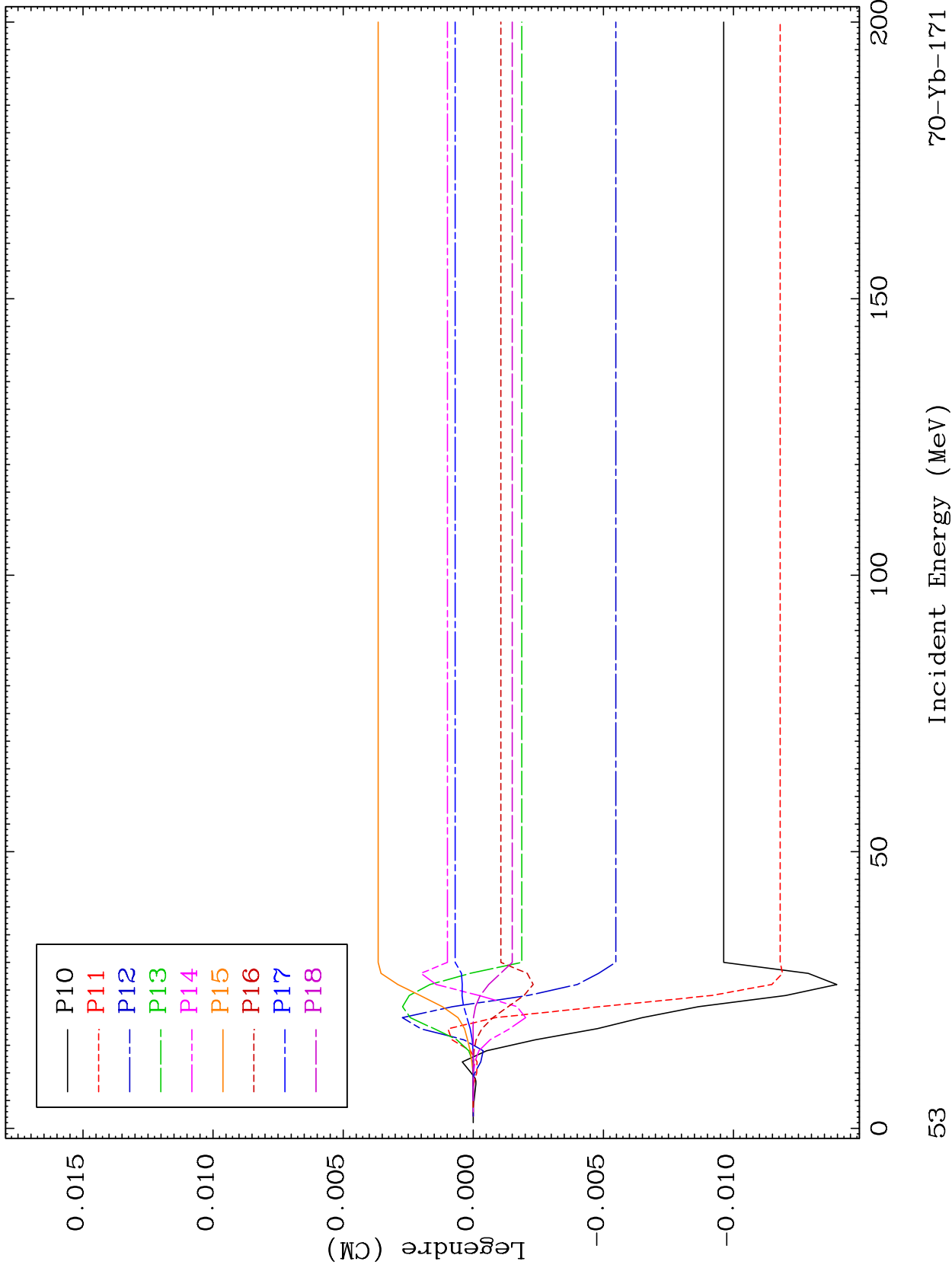
Incident Energy (MeV)

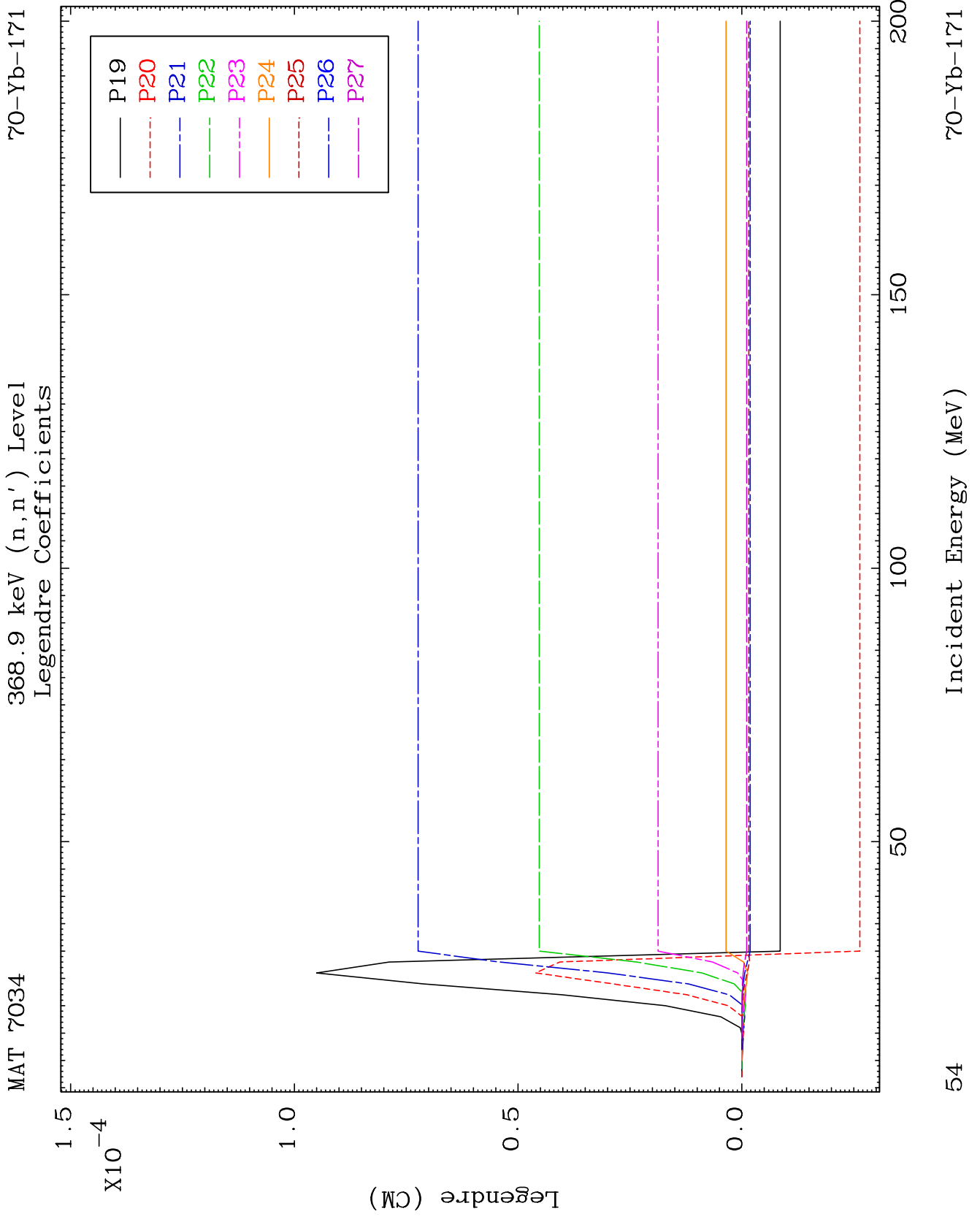
52

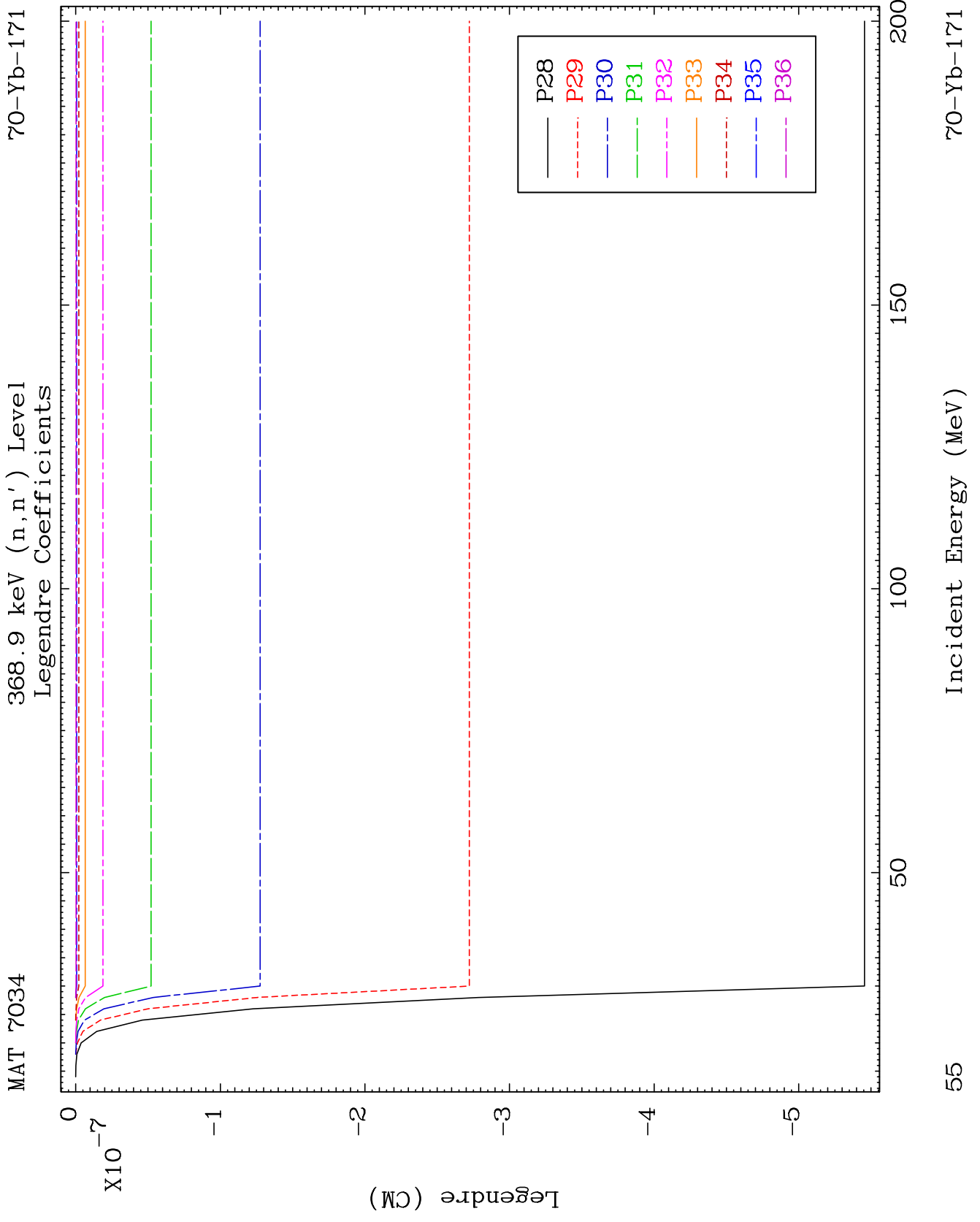
MAT 7034

368.9 keV (n,n') Level
Legendre Coefficients

70-Yb-171



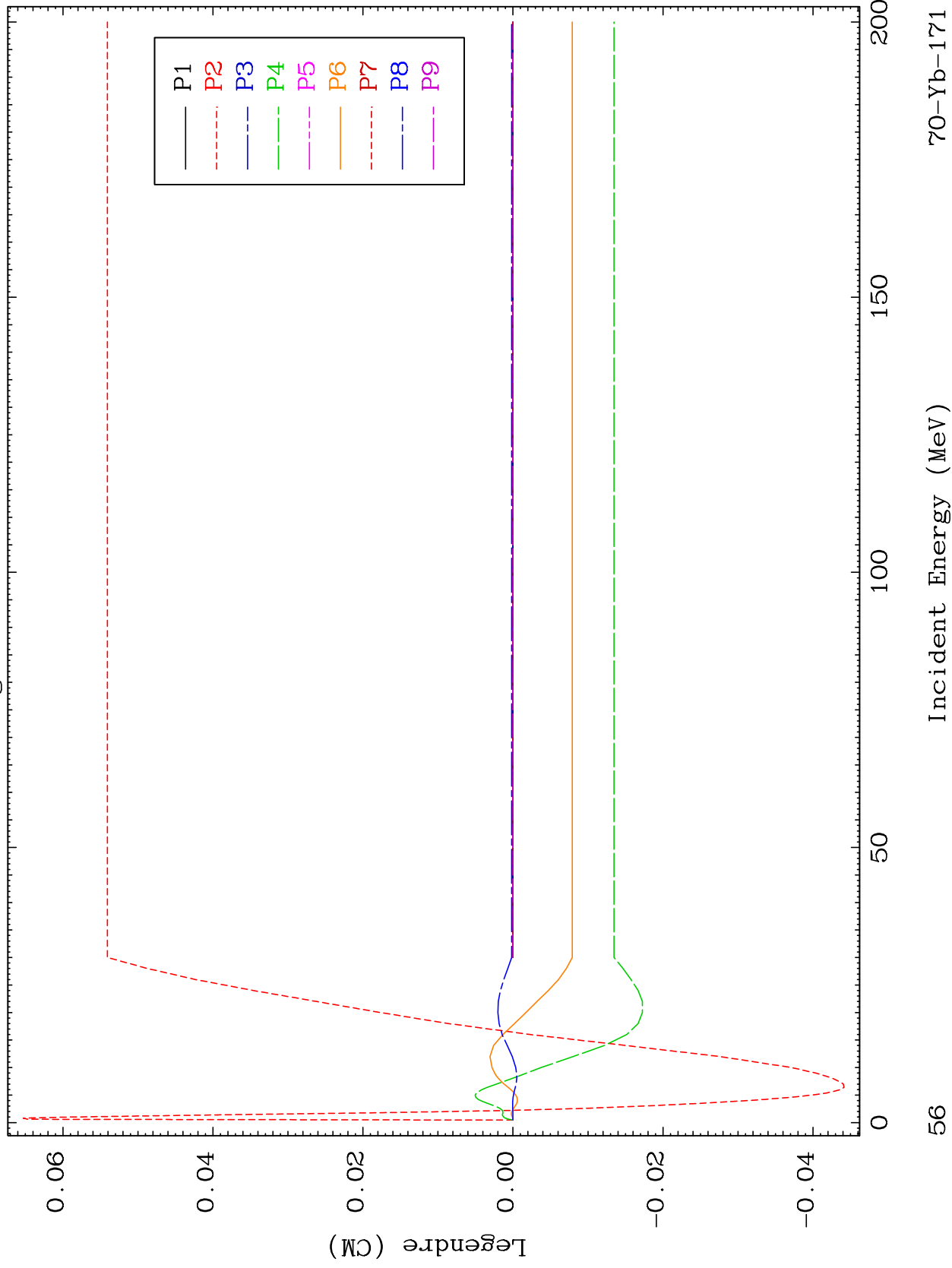




MAT 7034

449.6 keV (n,n') Level
Legendre Coefficients

70-Yb-171



70-Yb-171

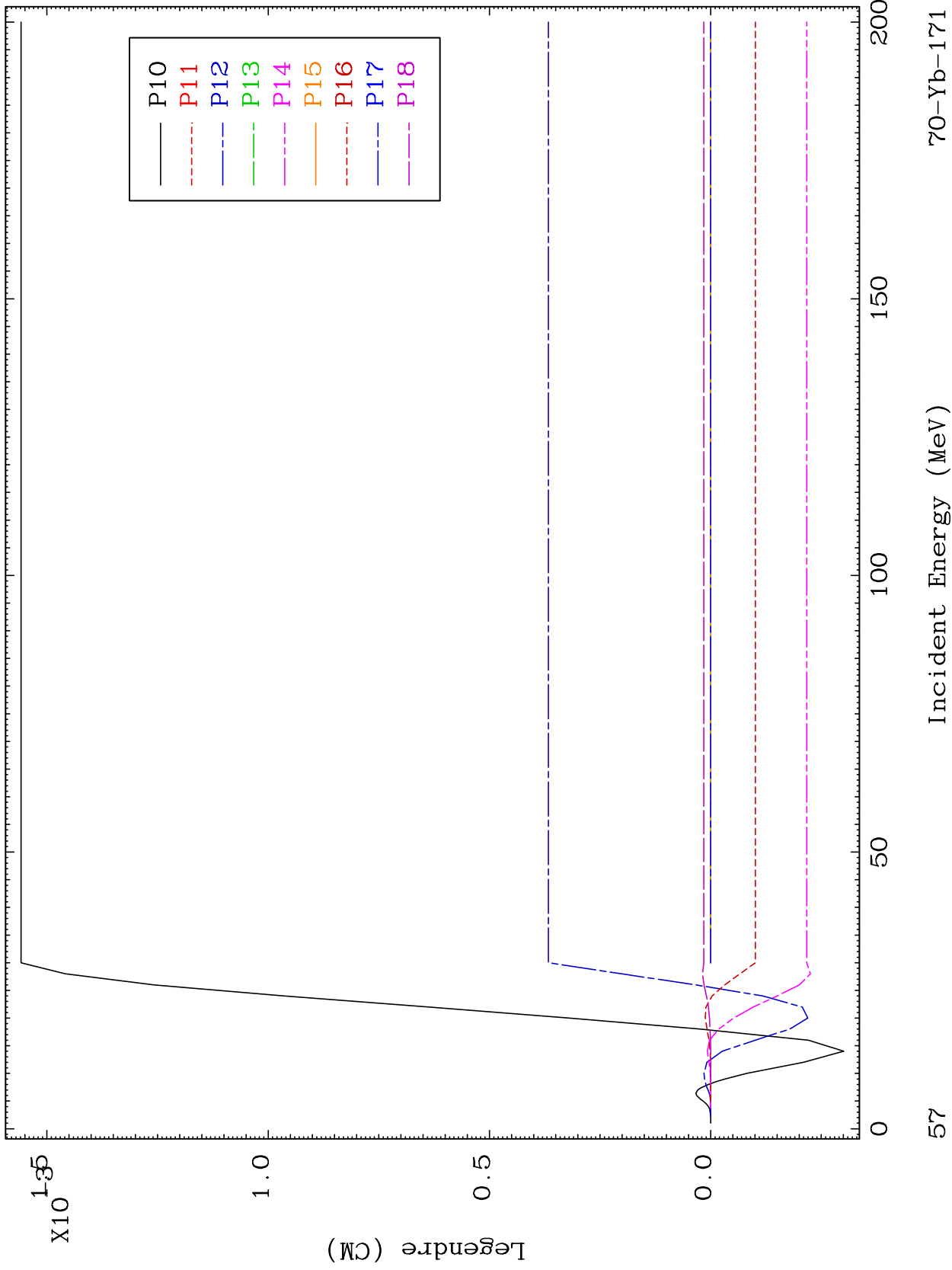
Incident Energy (MeV)

56

MAT 7034

449.6 keV (n,n') Level
Legendre Coefficients

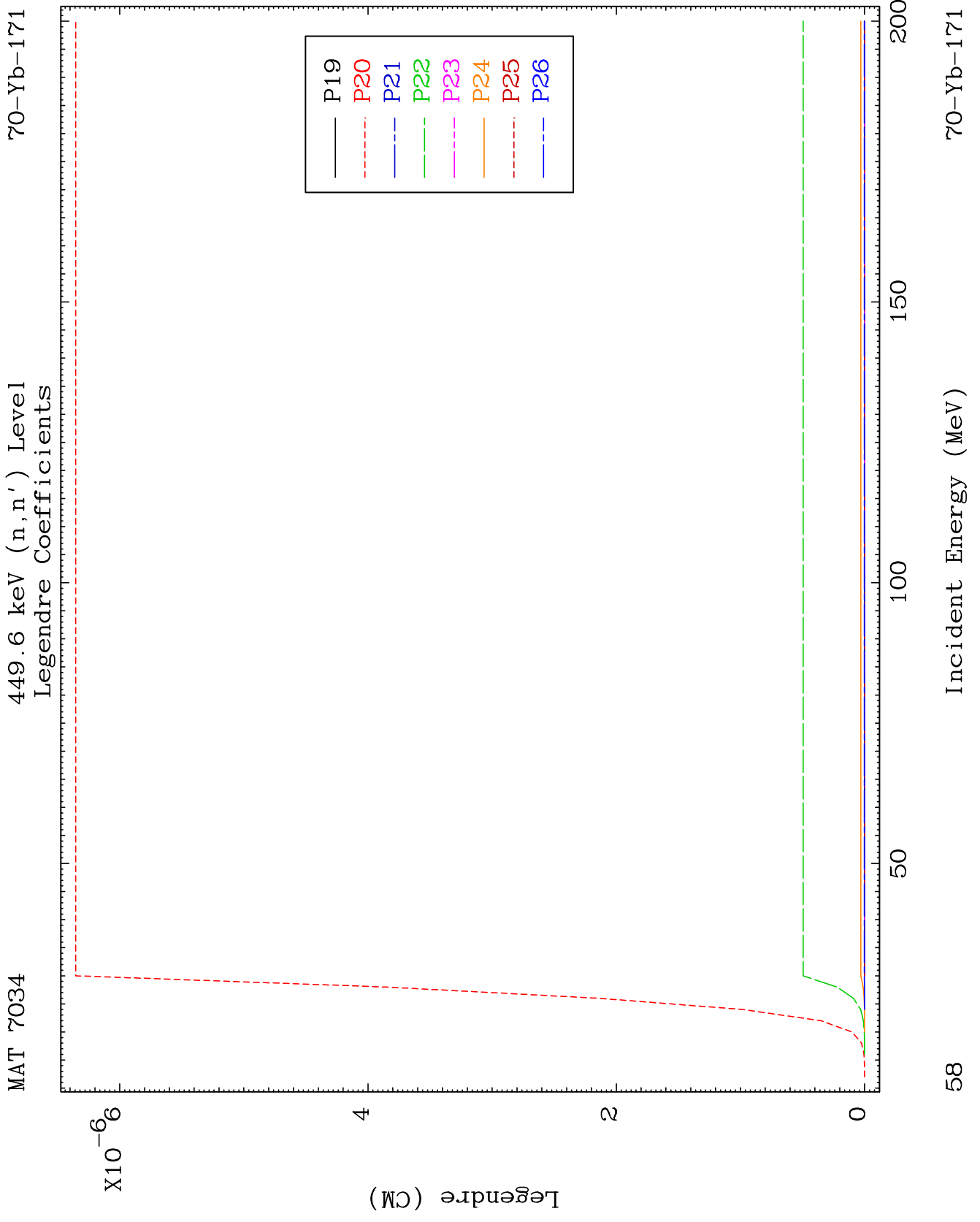
70-Yb-171



70-Yb-171

Incident Energy (MeV)

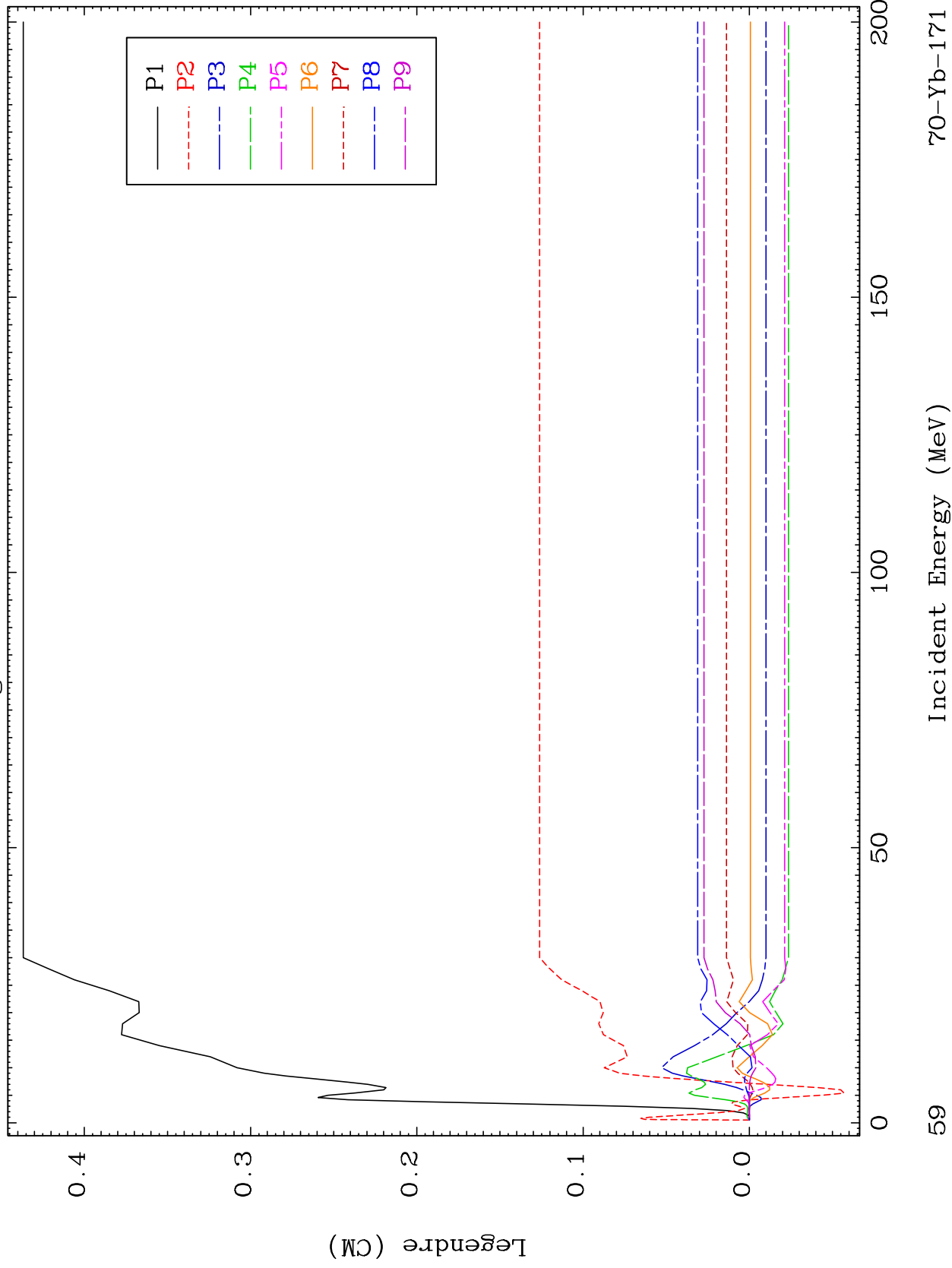
57



MAT 7034

487.3 keV (n,n') Level
Legendre Coefficients

70-Yb-171



59

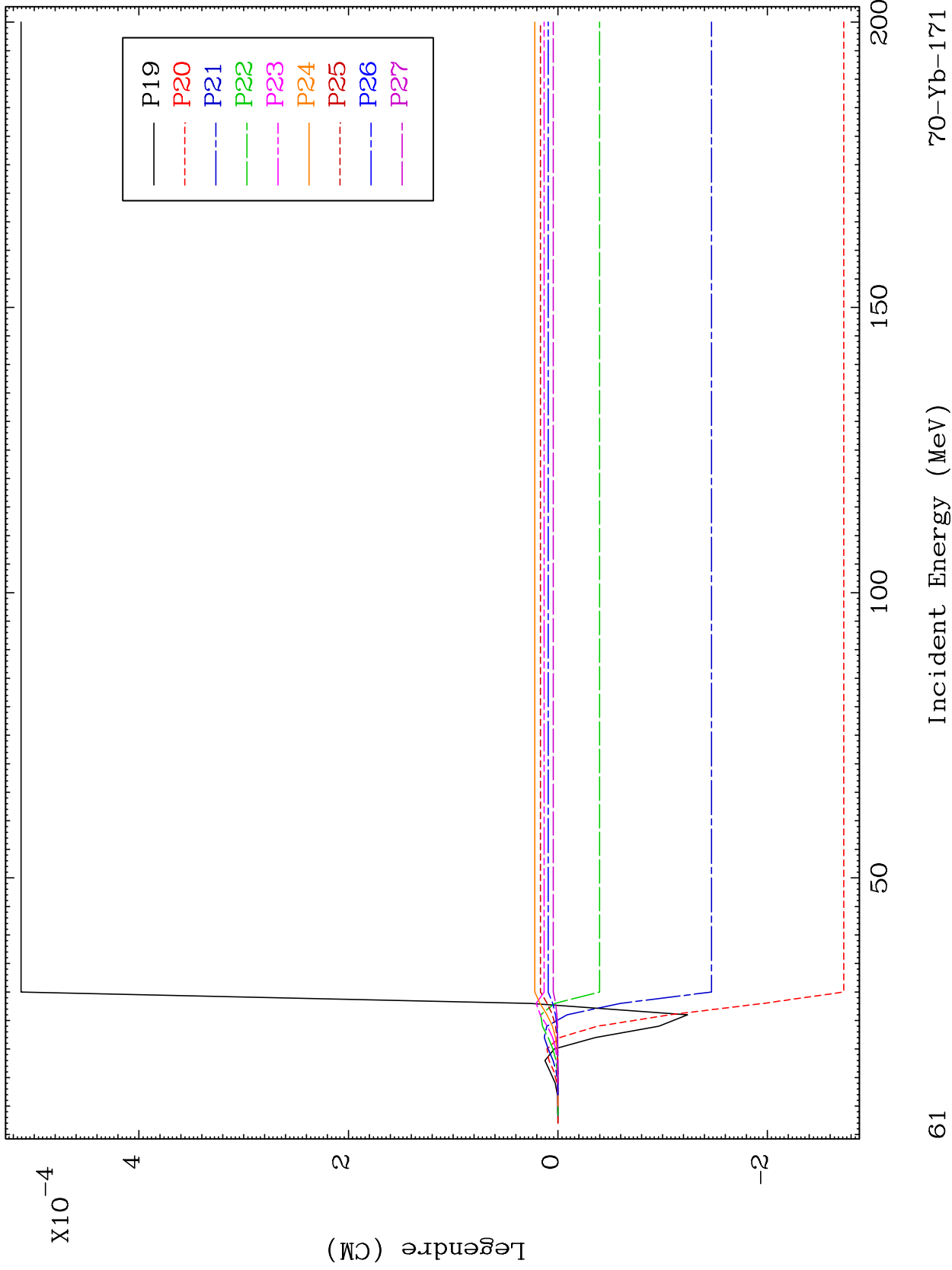
Incident Energy (MeV)

70-Yb-171

MAT 7034

487.3 keV (n,n') Level
Legendre Coefficients

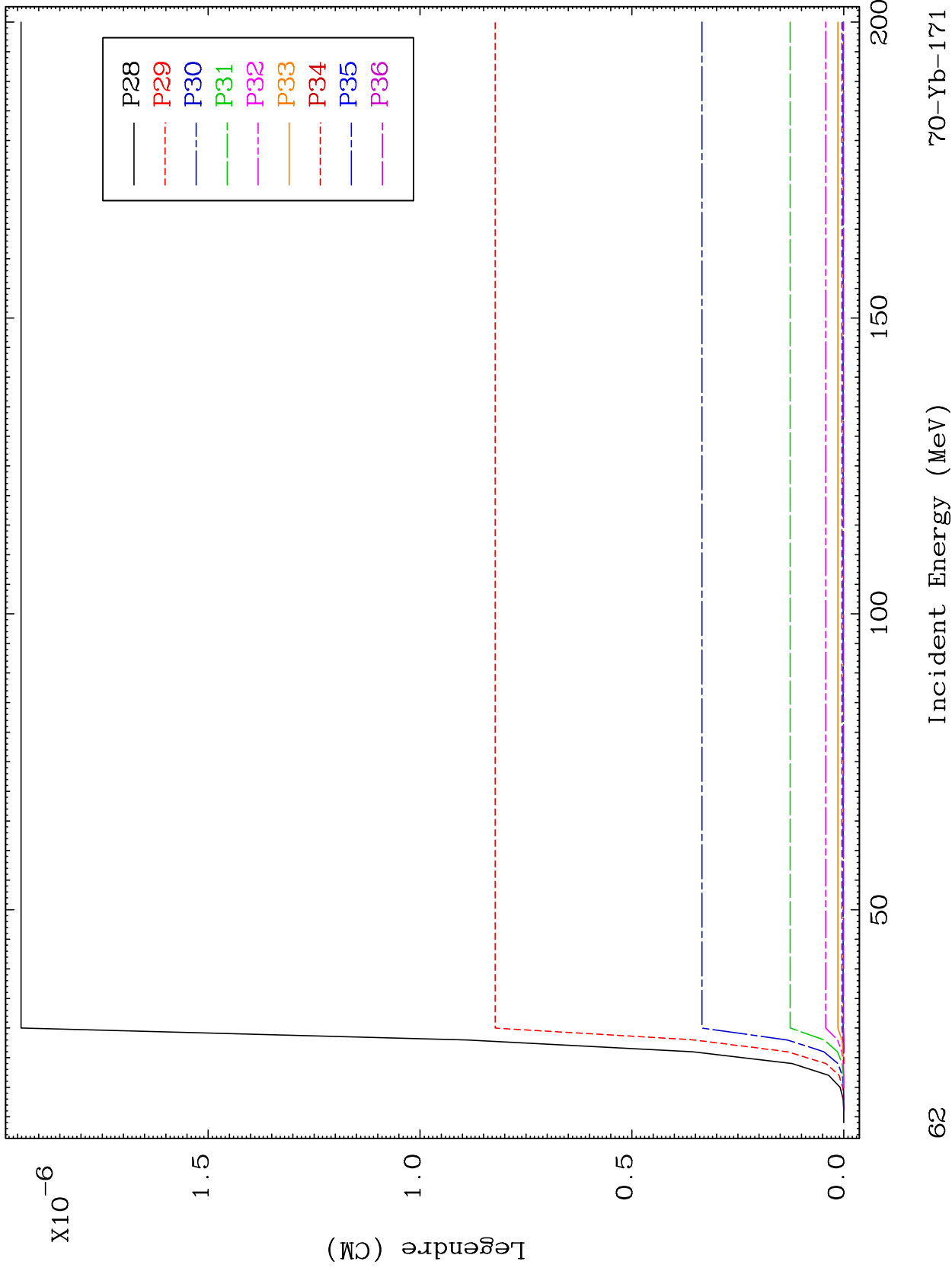
70-Yb-171



MAT 7034

487.3 keV (n, n') Level
Legendre Coefficients

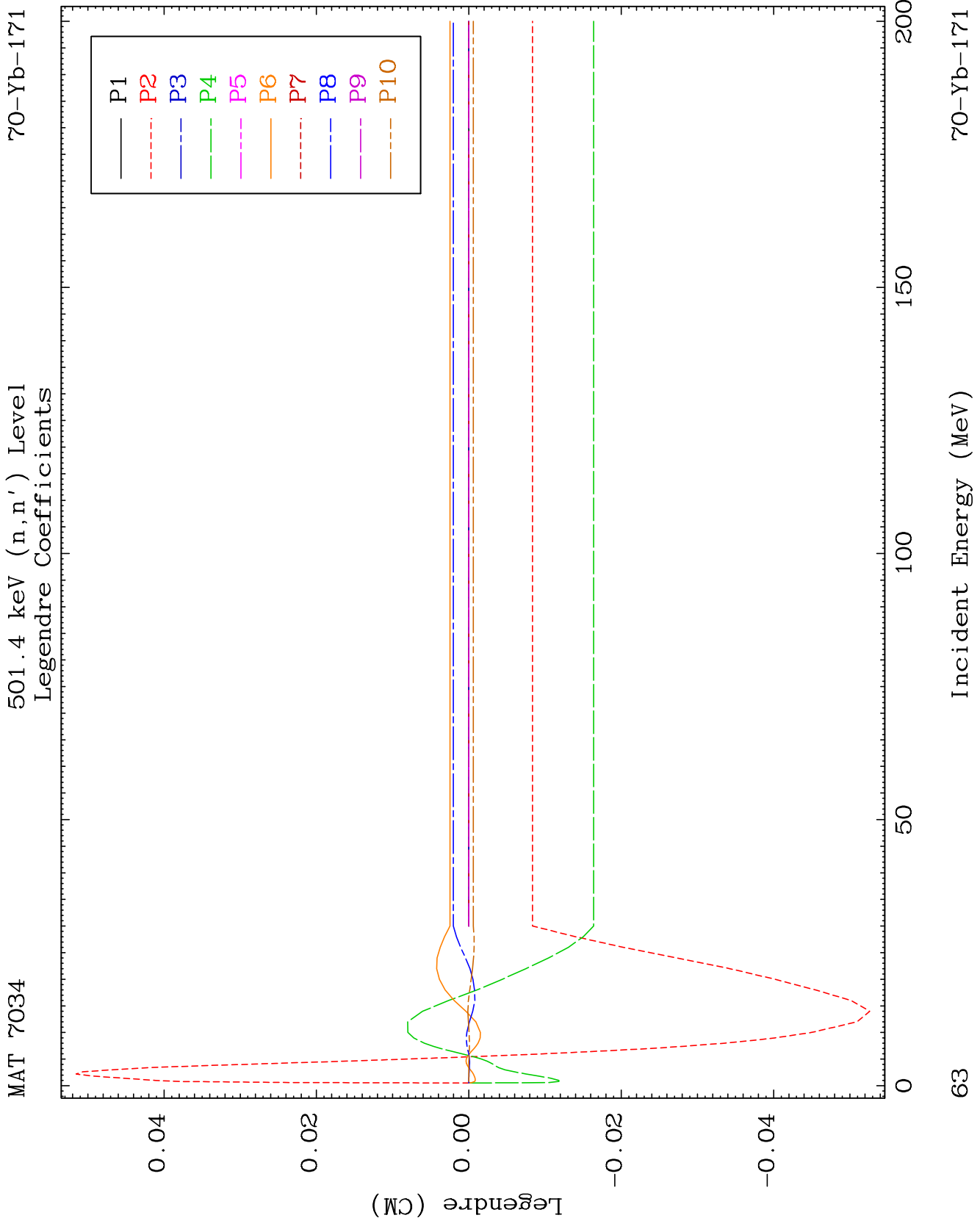
70-Yb-171



62

Incident Energy (MeV)

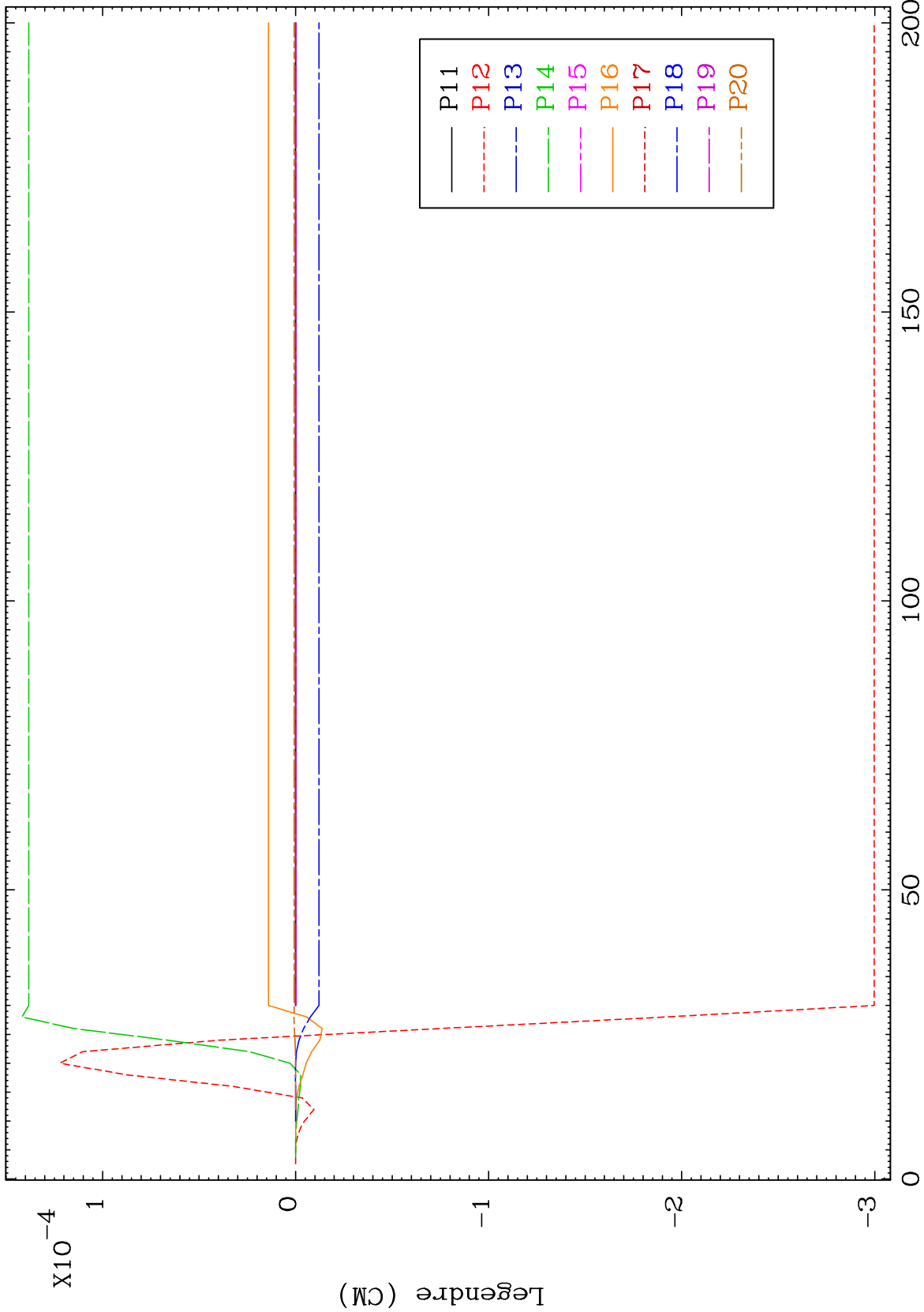
70-Yb-171



MAT 7034

501.4 keV (n, n') Level
Legendre Coefficients

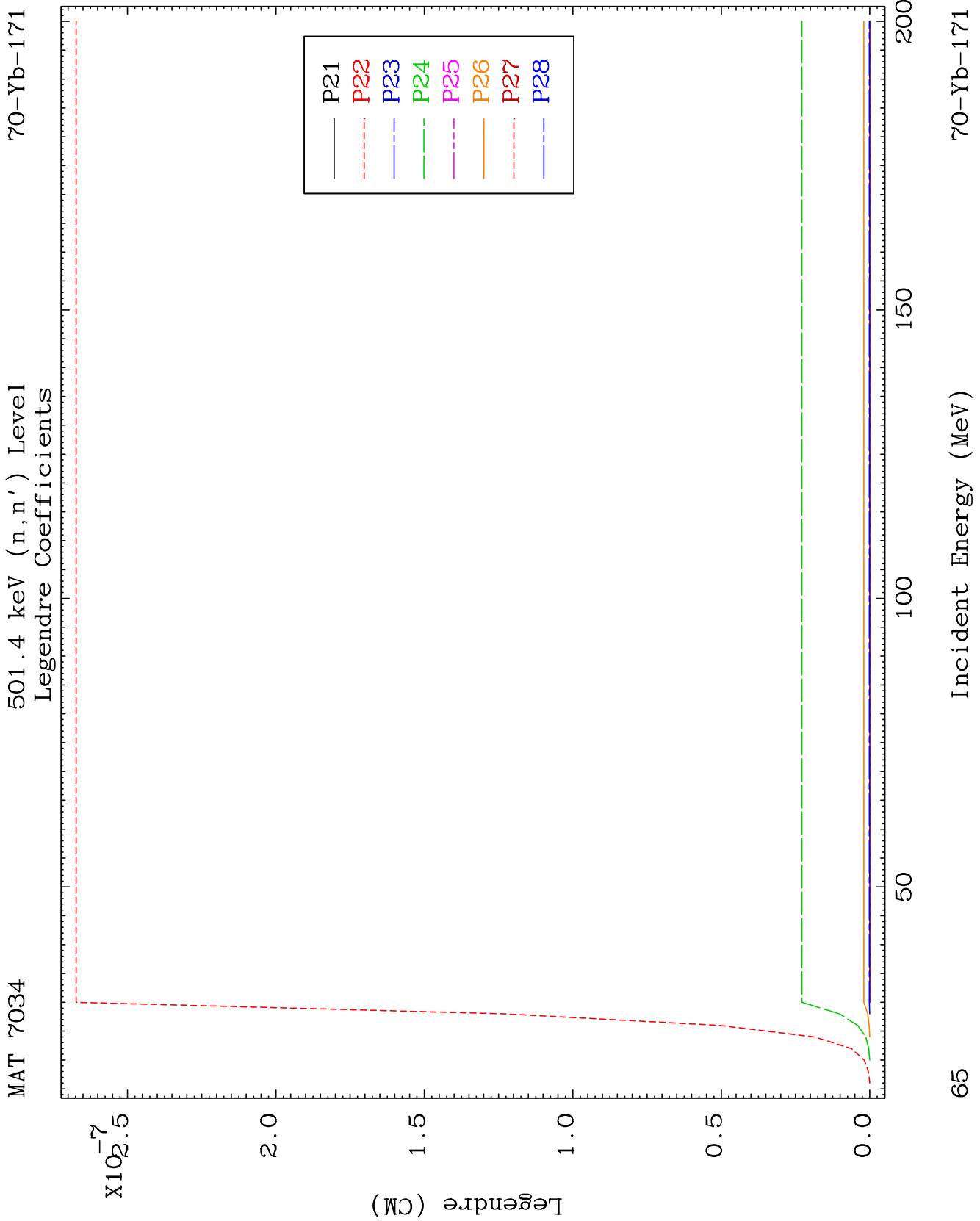
70-Yb-171



64

Incident Energy (MeV)

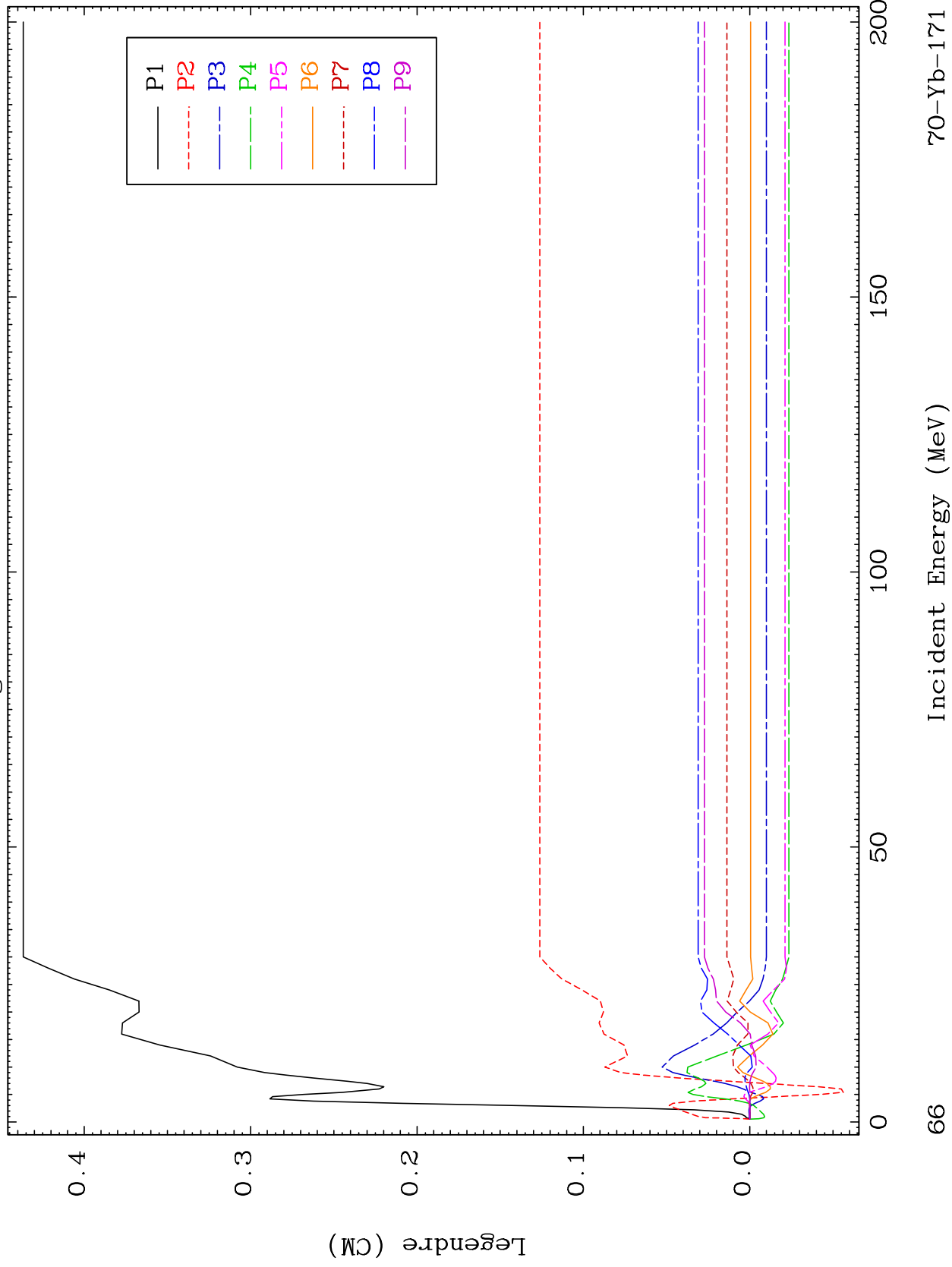
70-Yb-171



MAT 7034

509.3 keV (n,n') Level
Legendre Coefficients

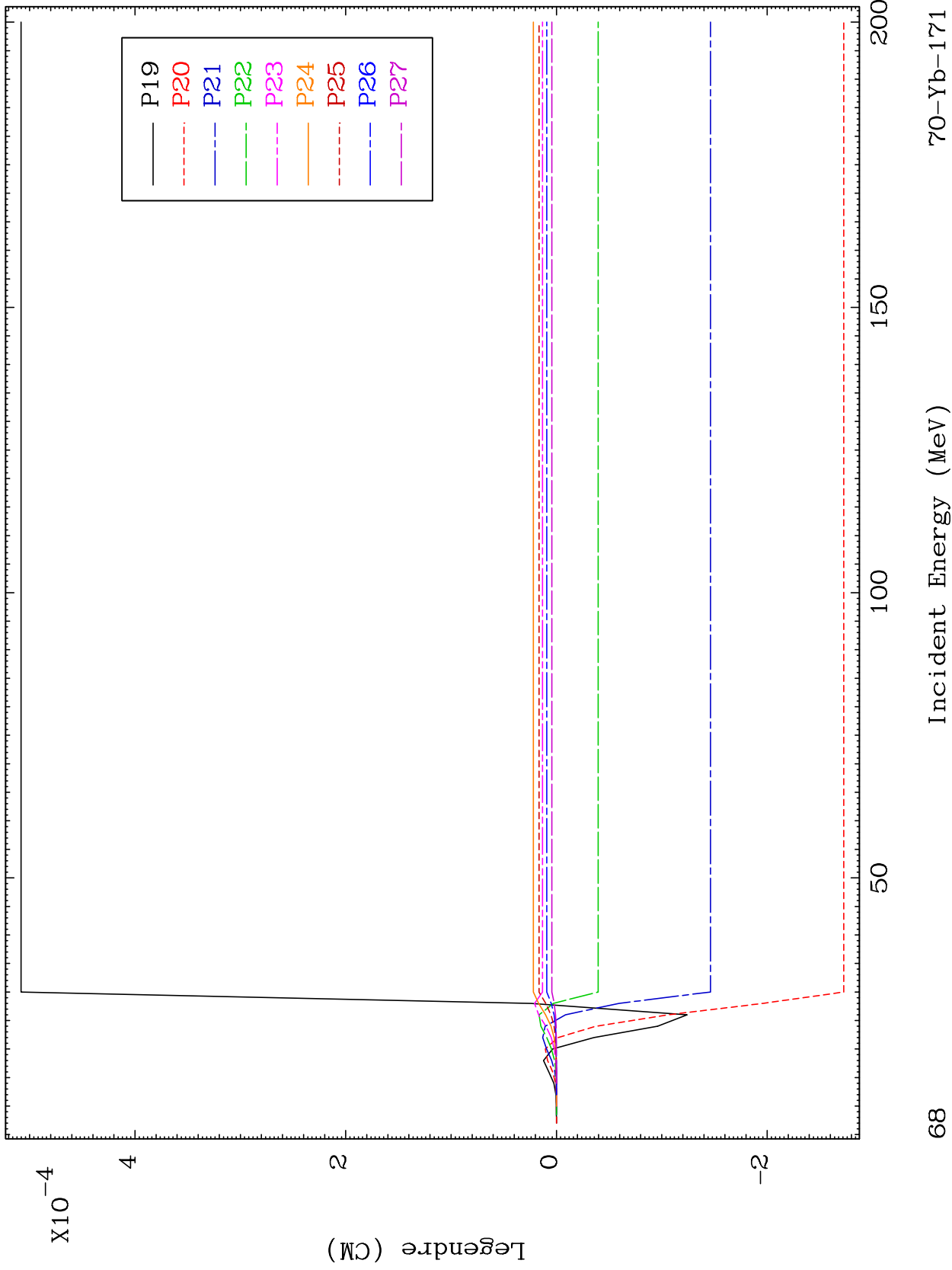
70-Yb-171



MAT 7034

509.3 keV (n,n') Level
Legendre Coefficients

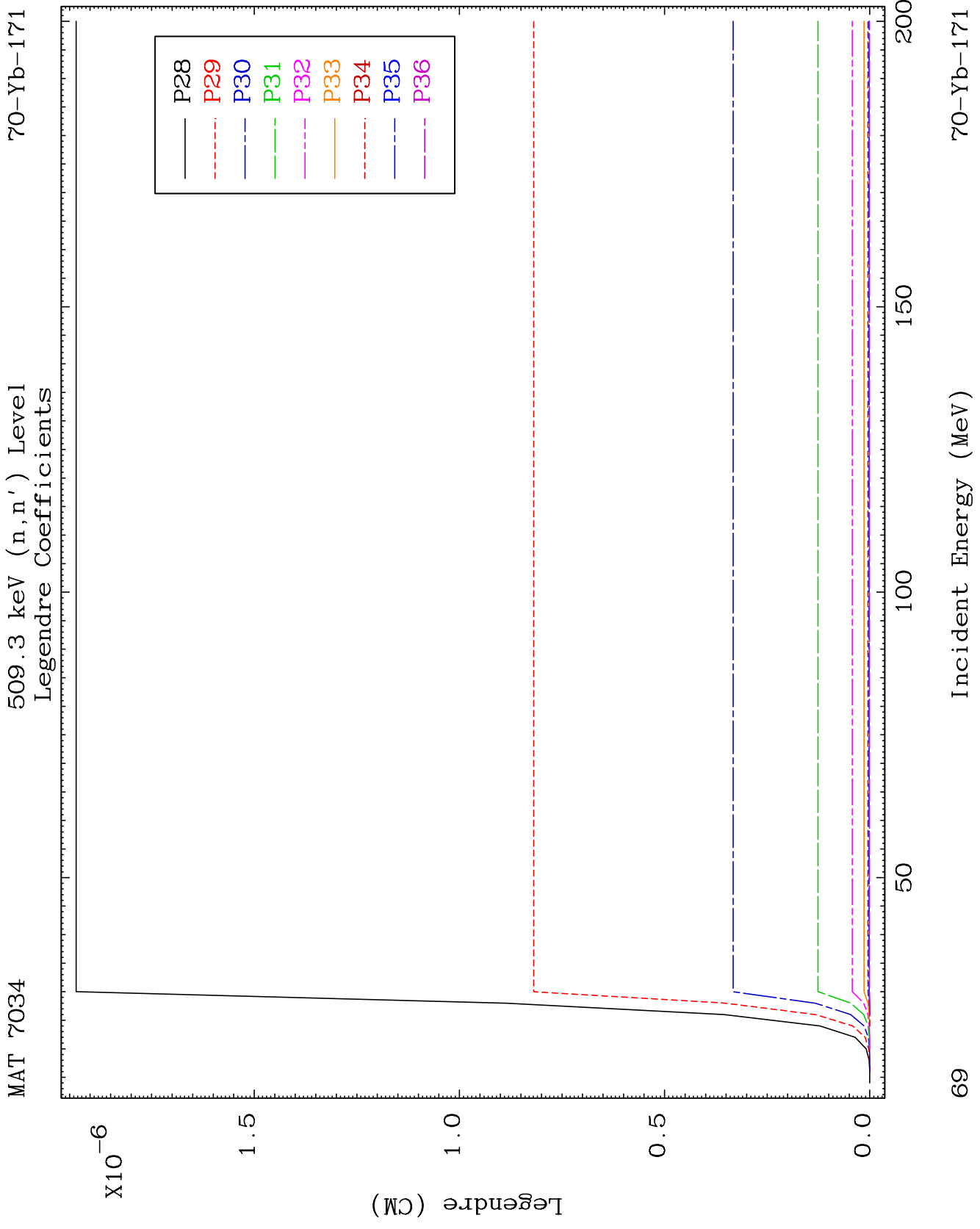
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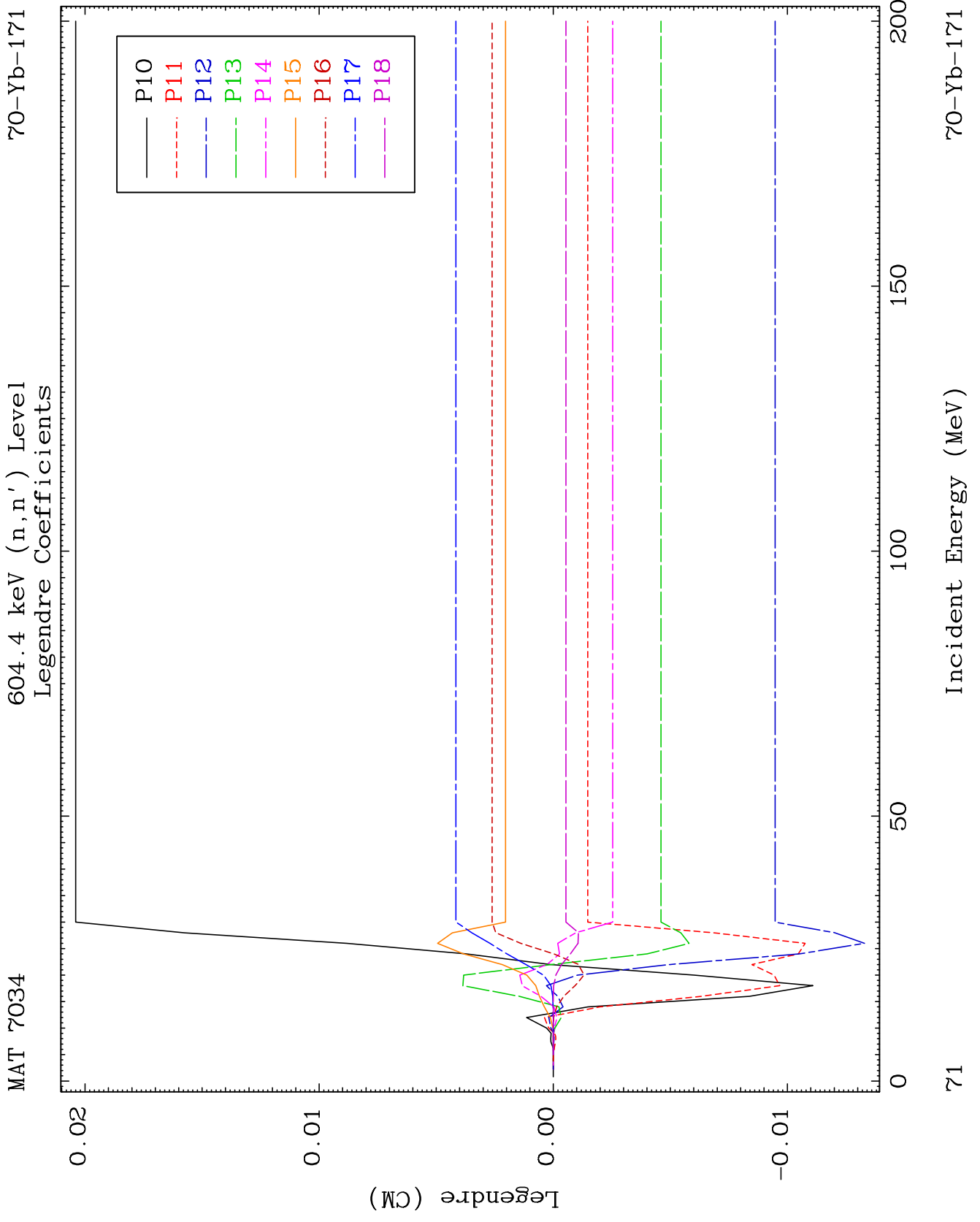


68

Incident Energy (MeV)

70-Yb-171

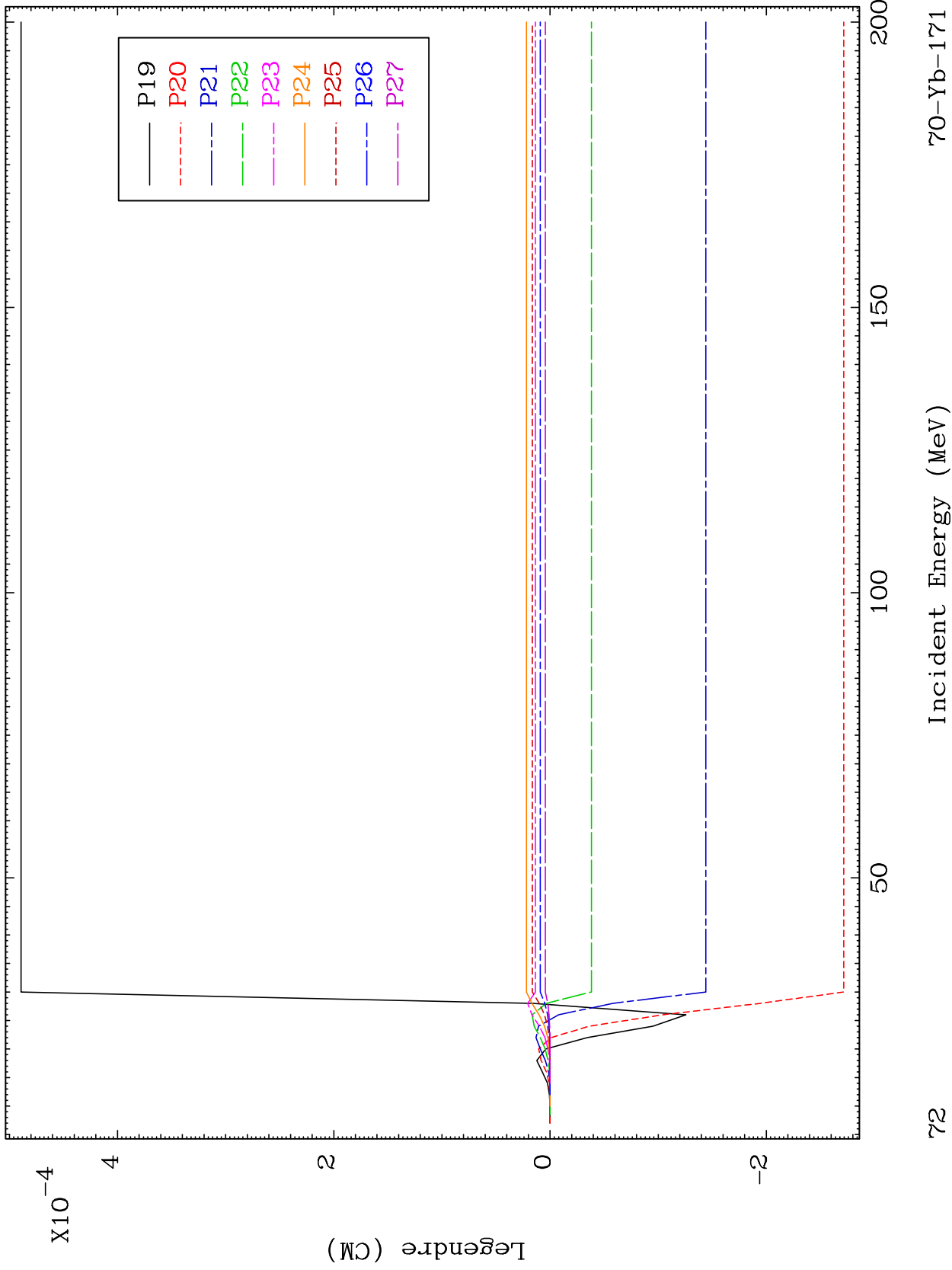




MAT 7034

604.4 keV (n,n') Level
Legendre Coefficients

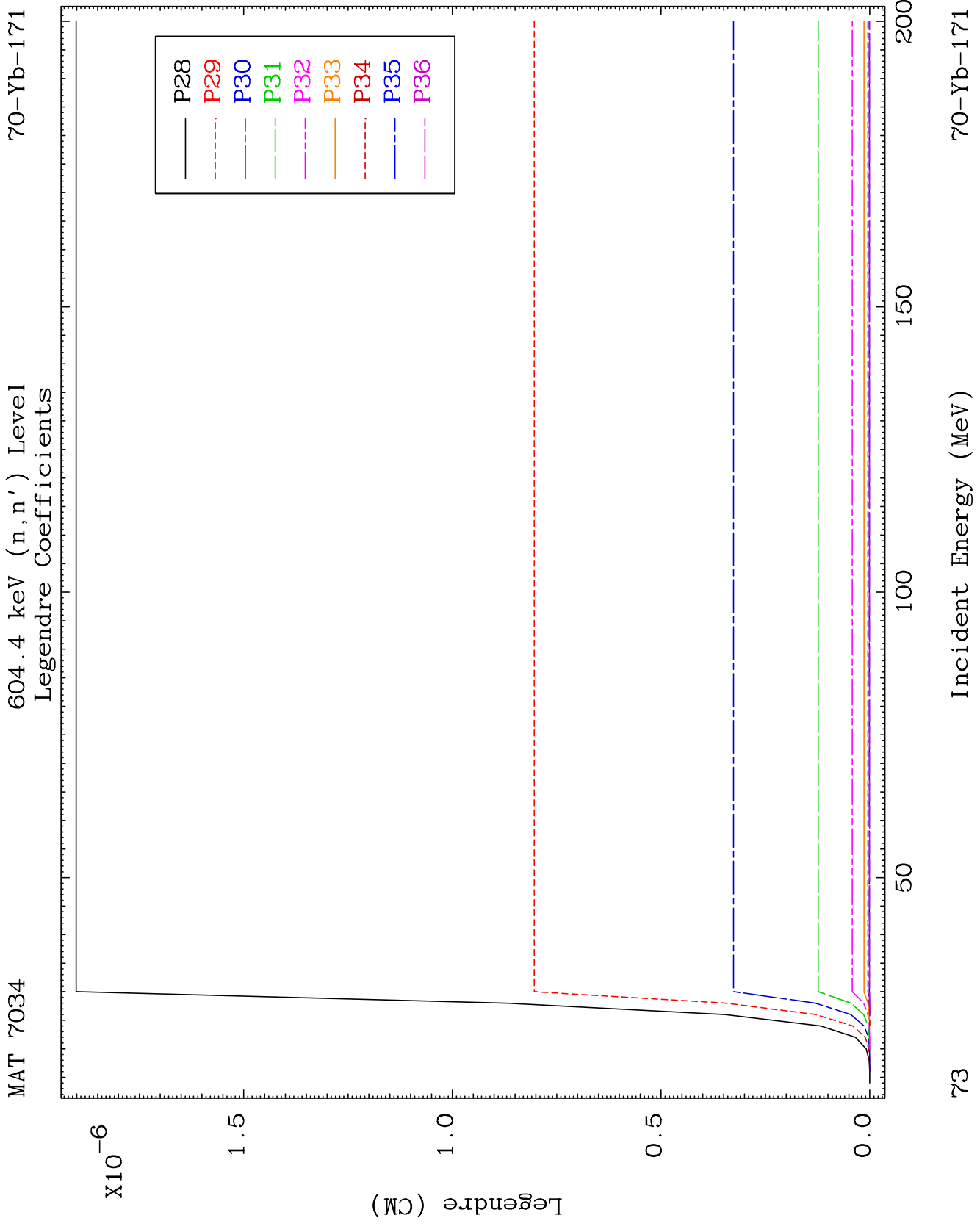
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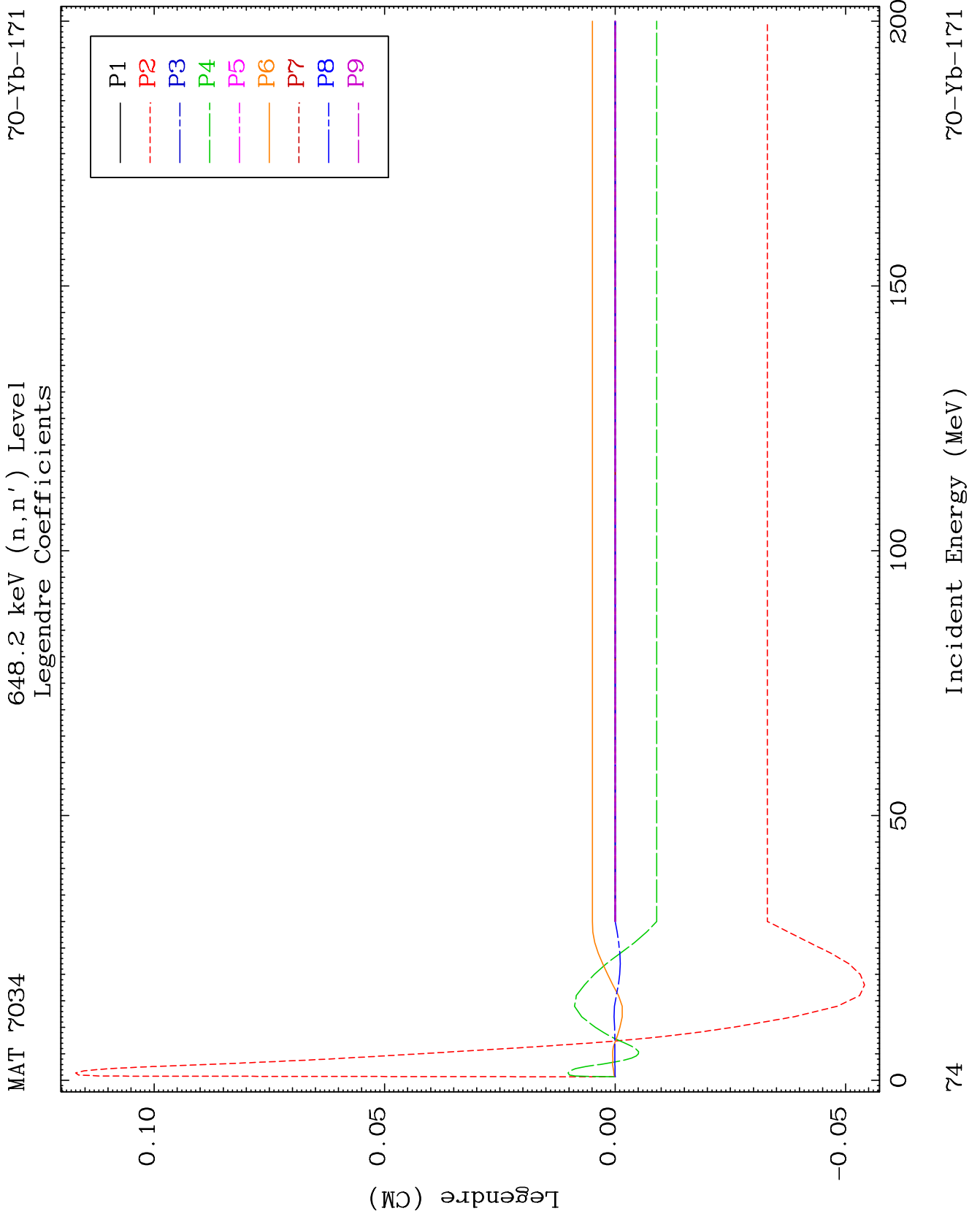


72

Incident Energy (MeV)

70-Yb-171

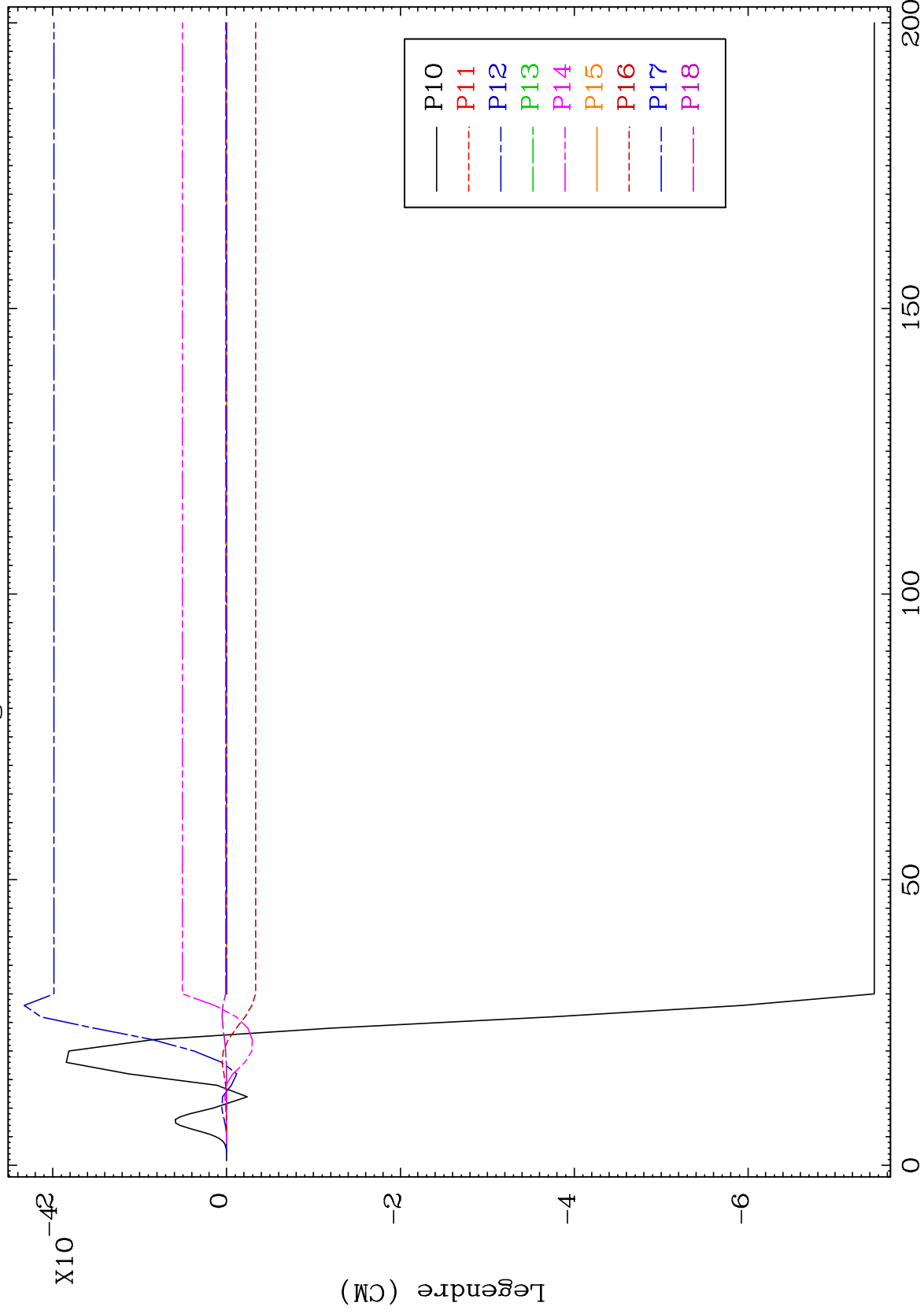




MAT 7034

648.2 keV (n,n') Level
Legendre Coefficients

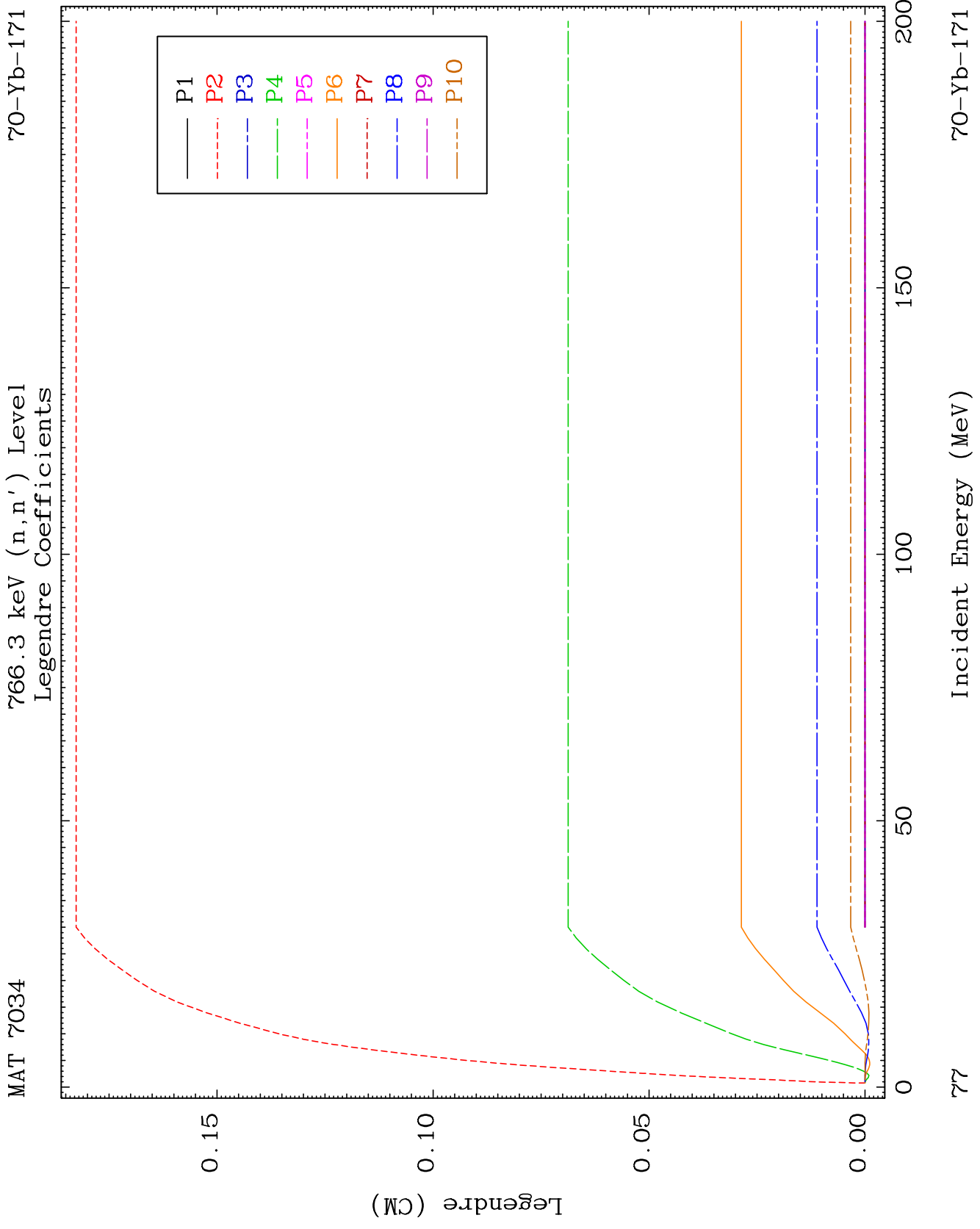
70-Yb-171



75

Incident Energy (MeV)

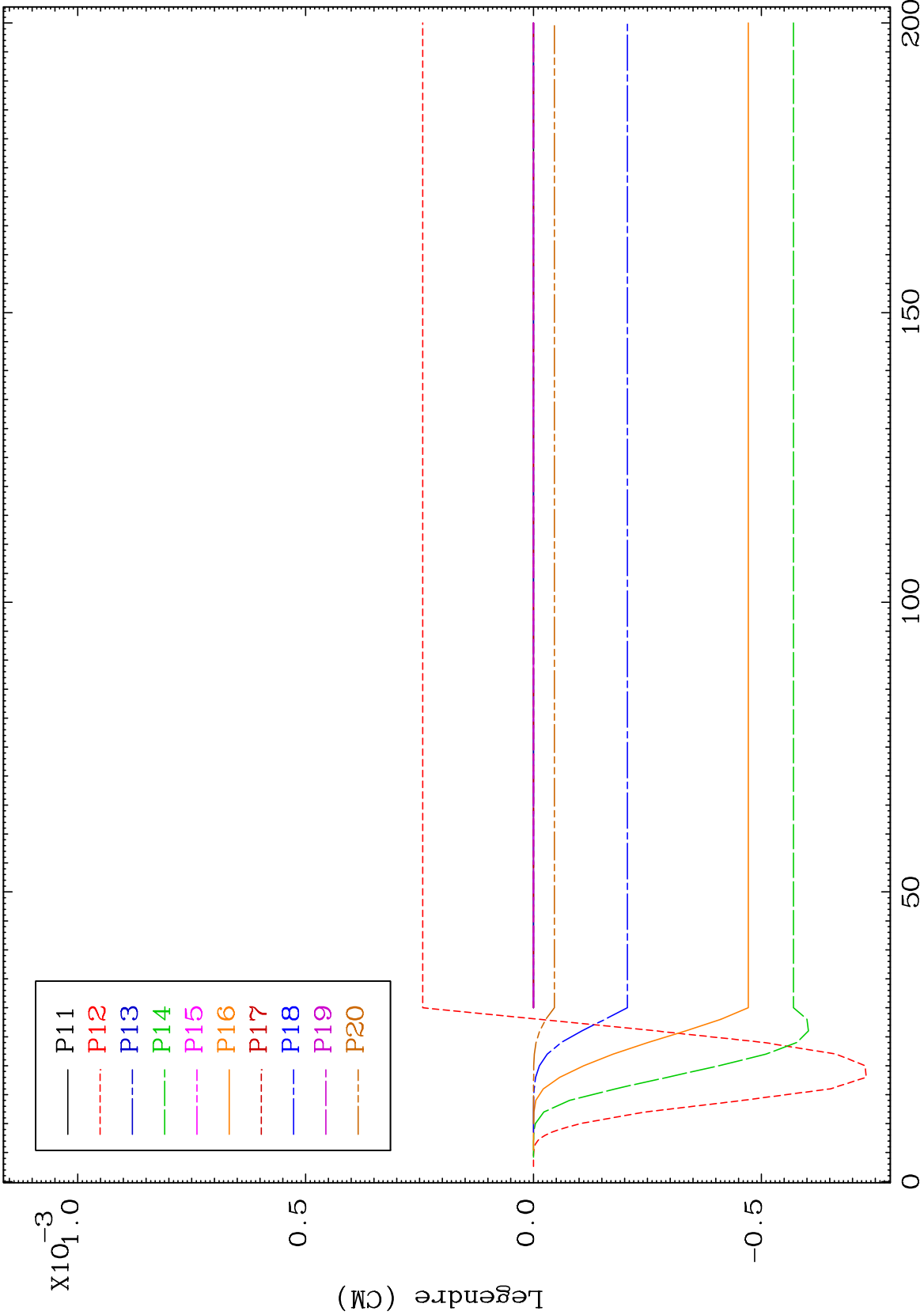
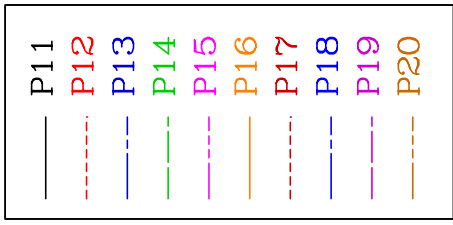
70-Yb-171



MAT 7034

766.3 keV (n,n') Level
Legendre Coefficients

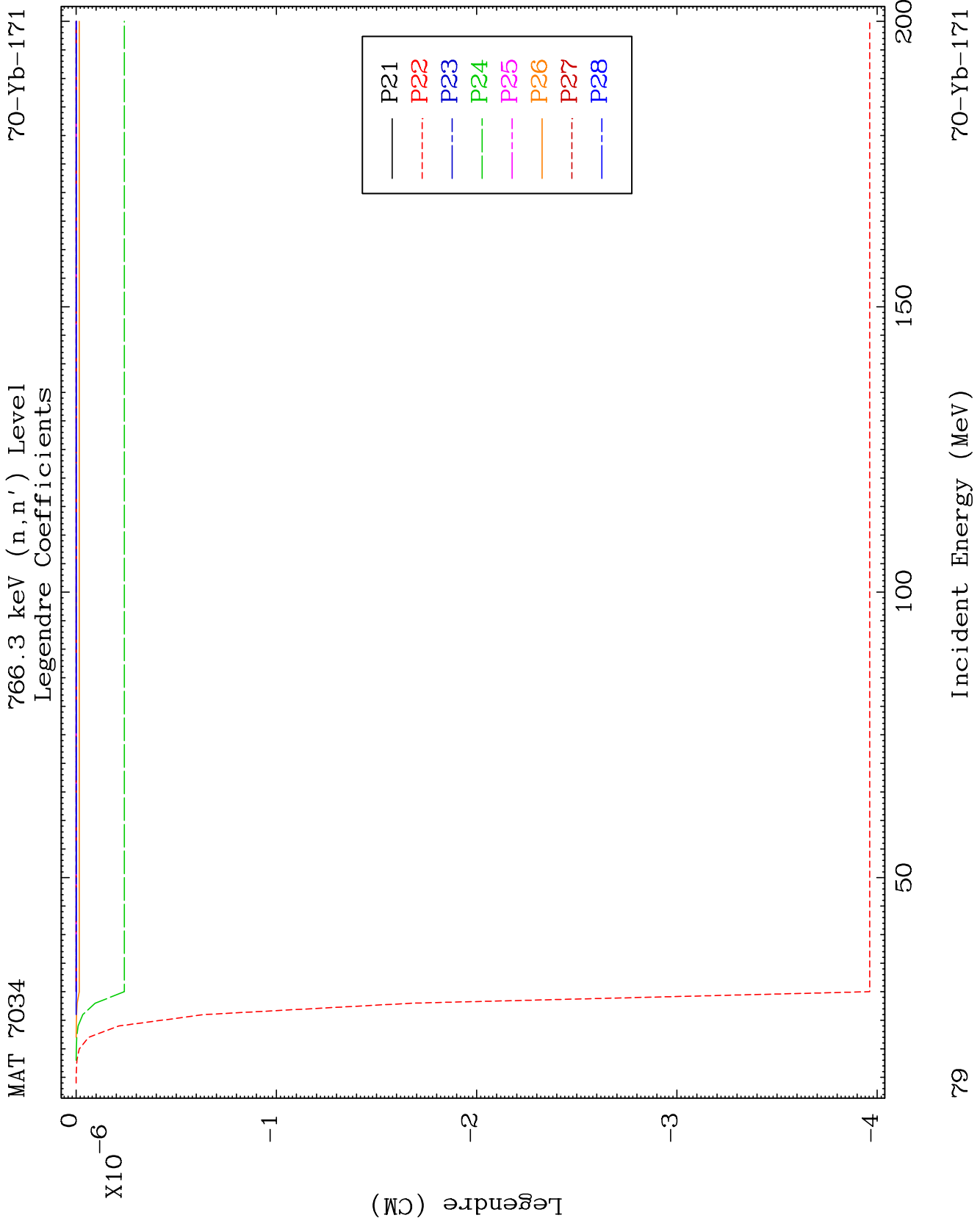
70-Yb-171



78

Incident Energy (MeV)

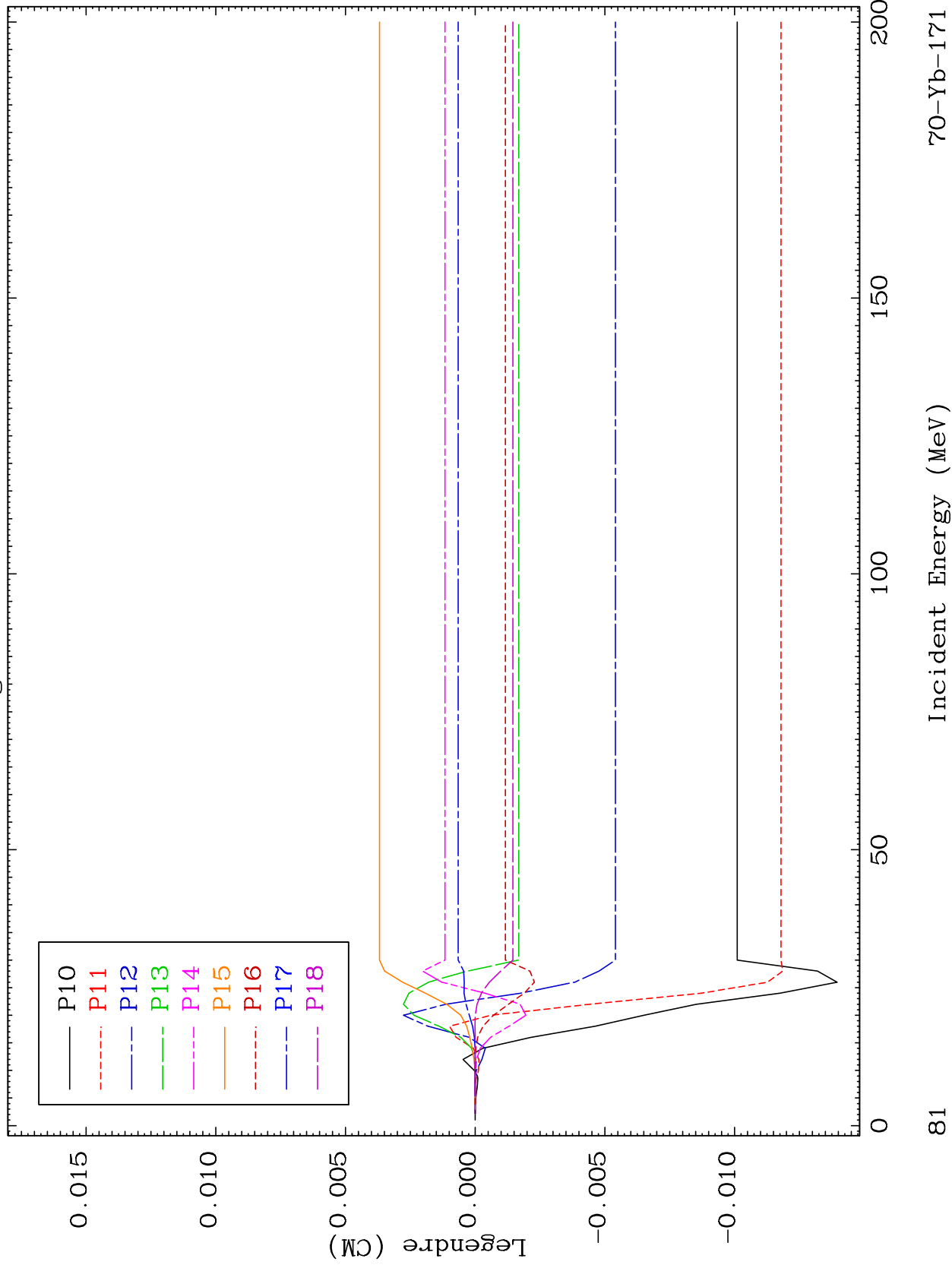
70-Yb-171

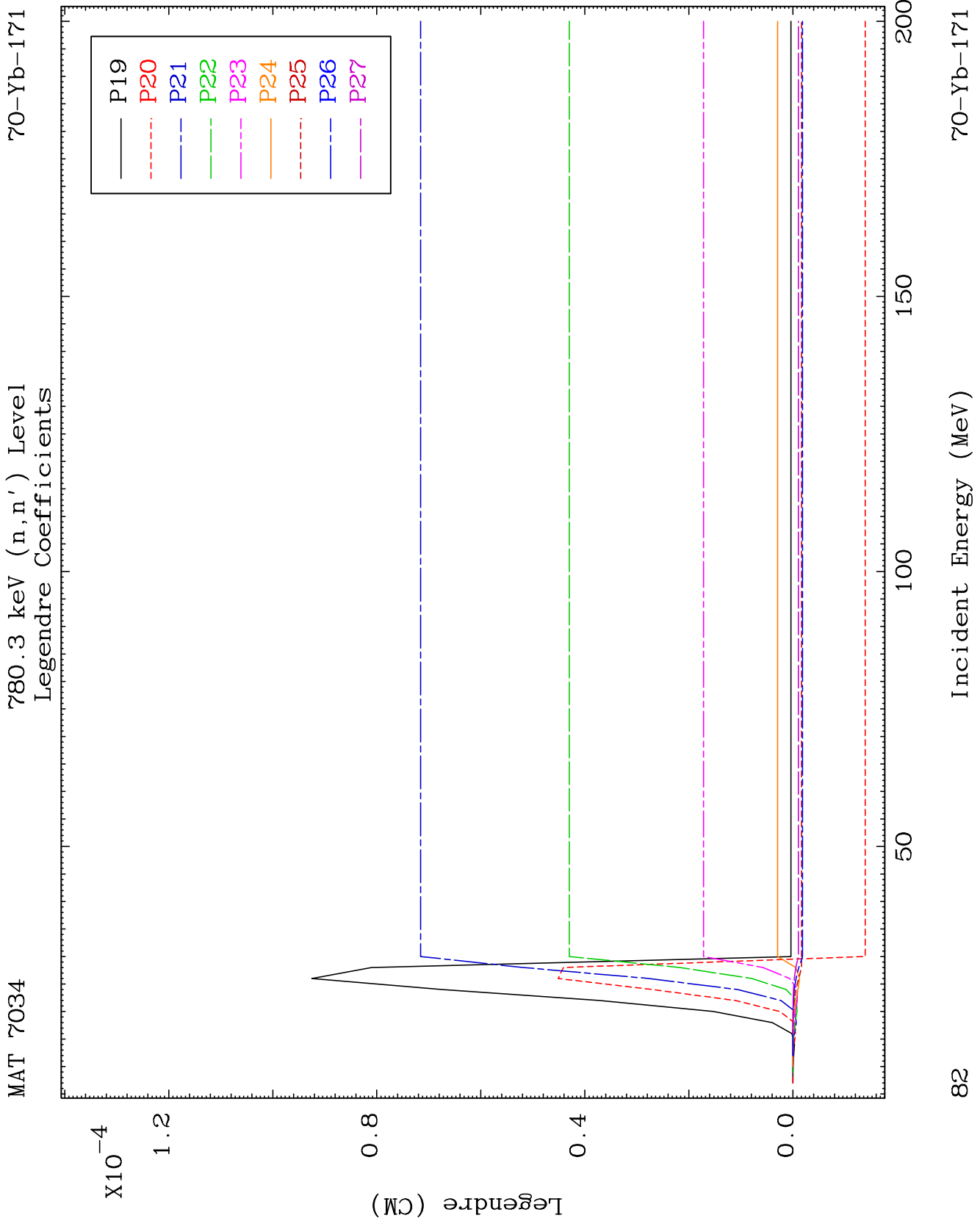


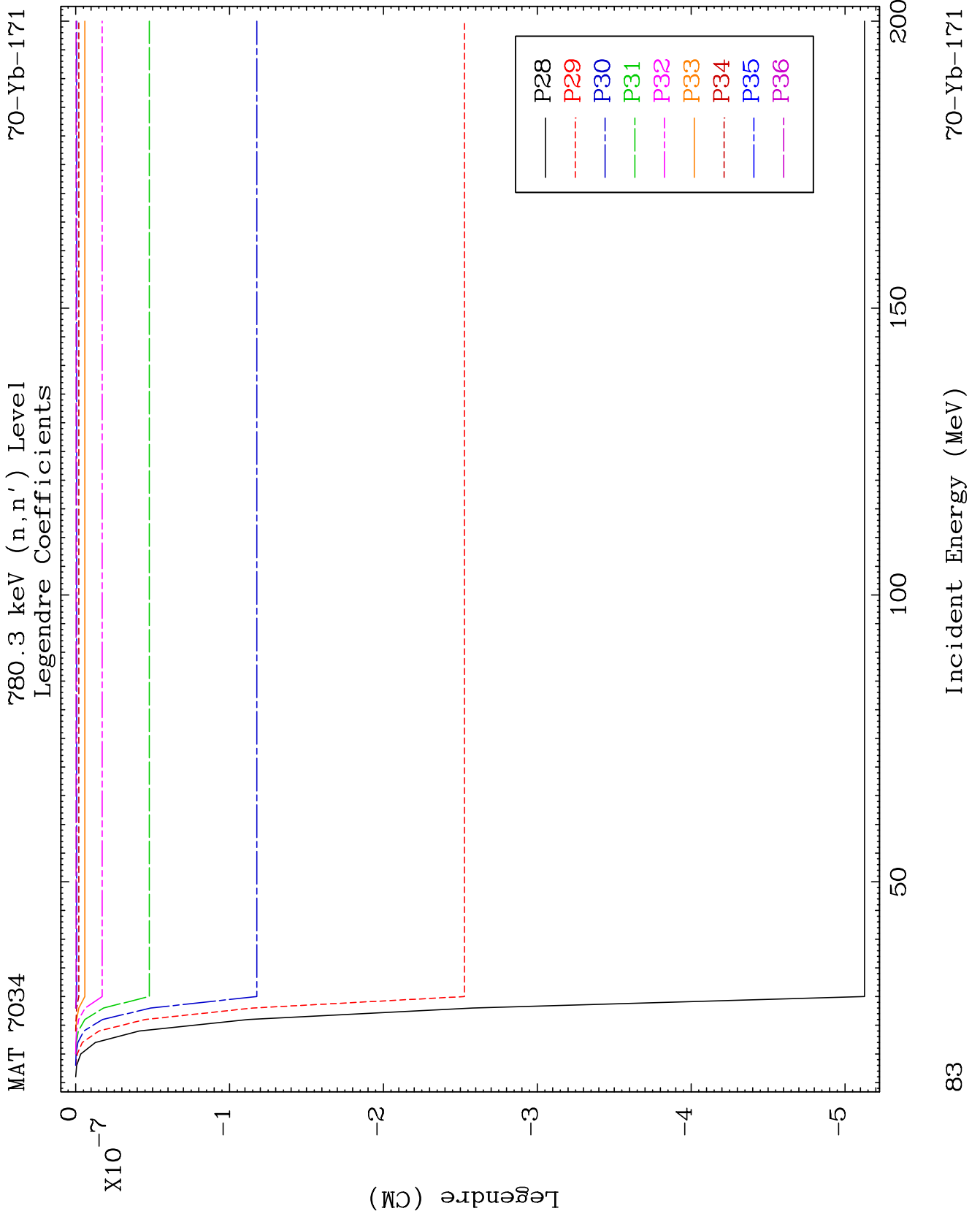
MAT 7034

780.3 keV (n,n') Level
Legendre Coefficients

70-Yb-171



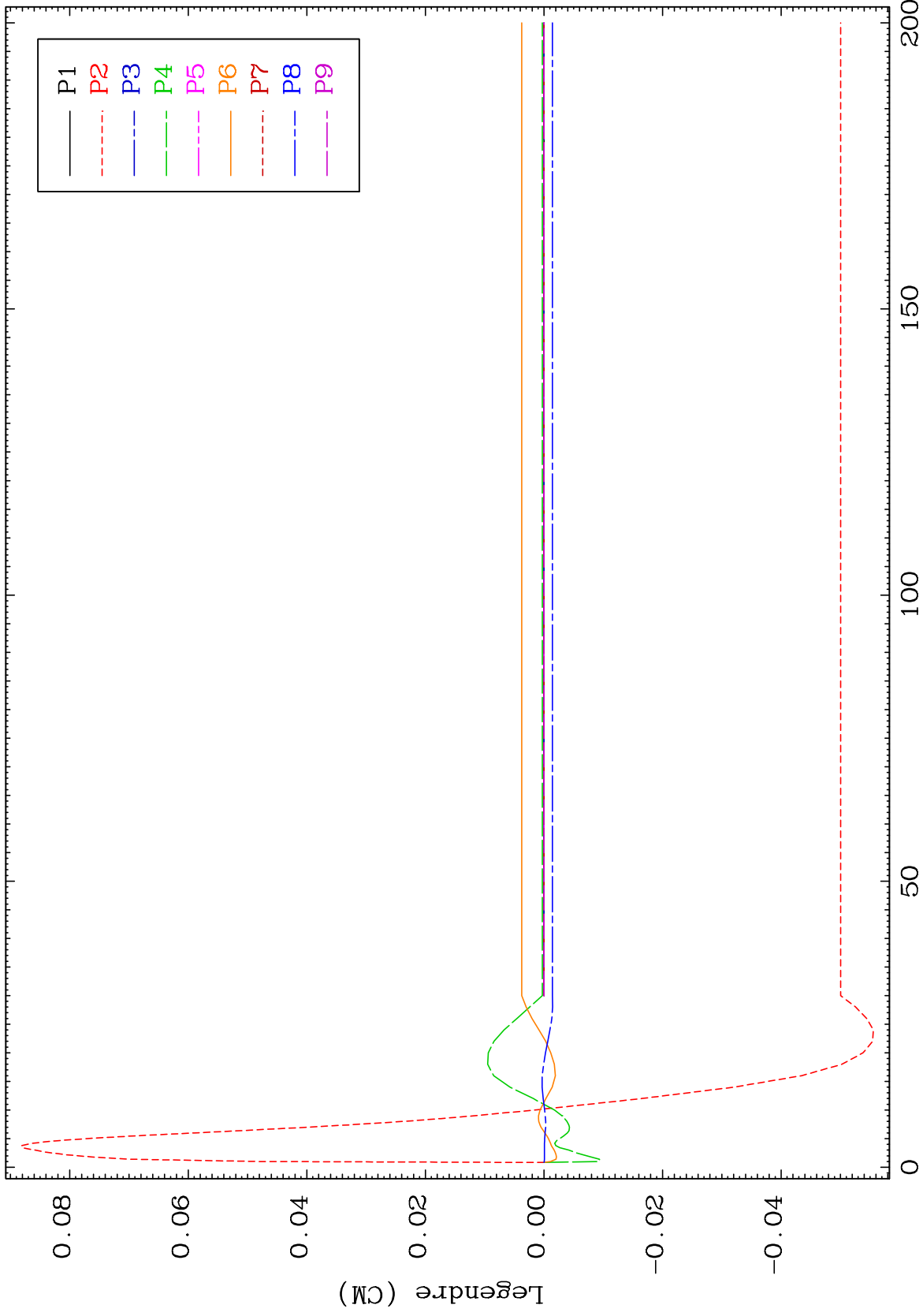




MAT 7034

826.1 keV (n,n') Level
Legendre Coefficients

70-Yb-171



84

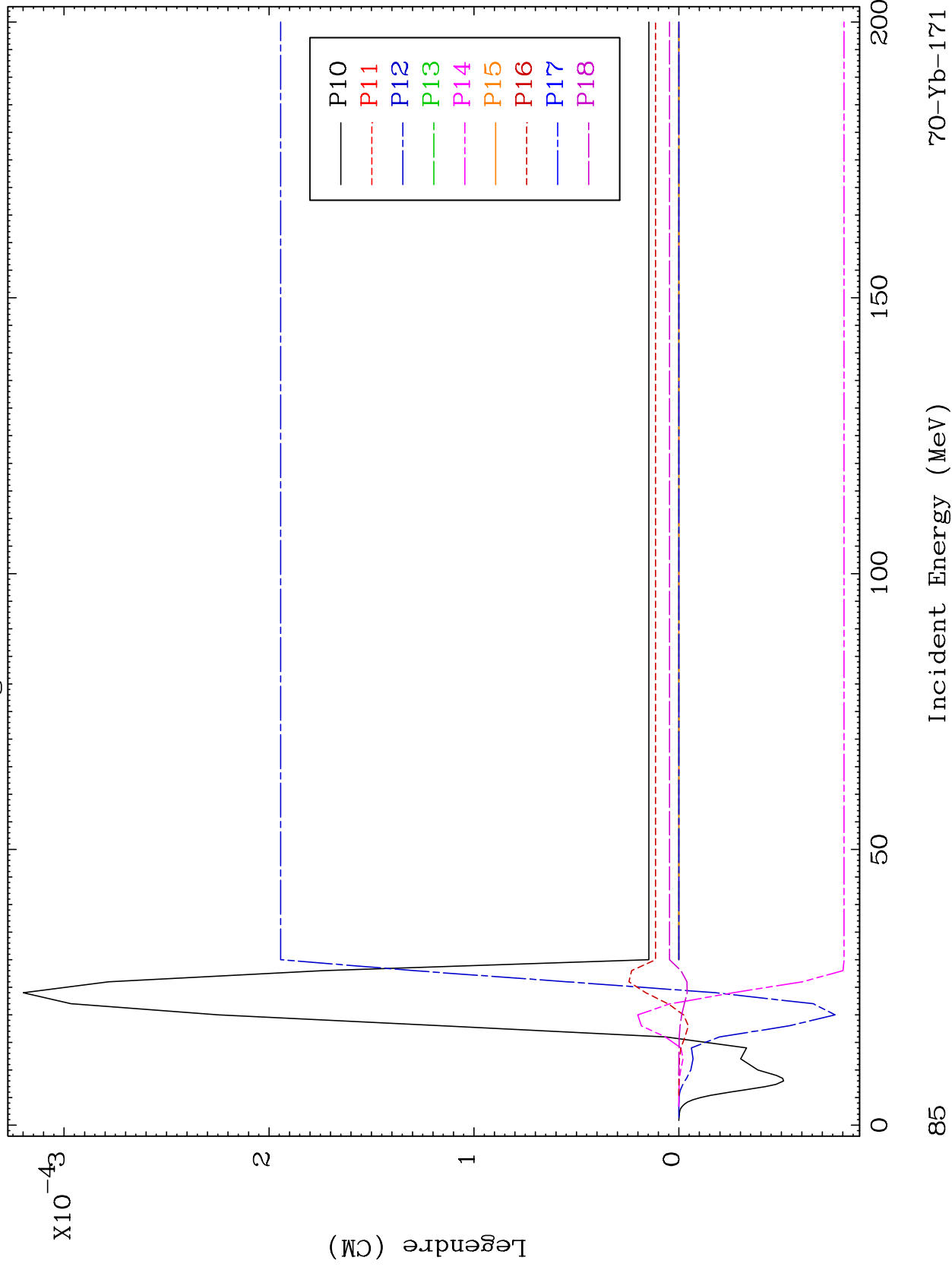
Incident Energy (MeV)

70-Yb-171

MAT 7034

826.1 keV (n,n') Level
Legendre Coefficients

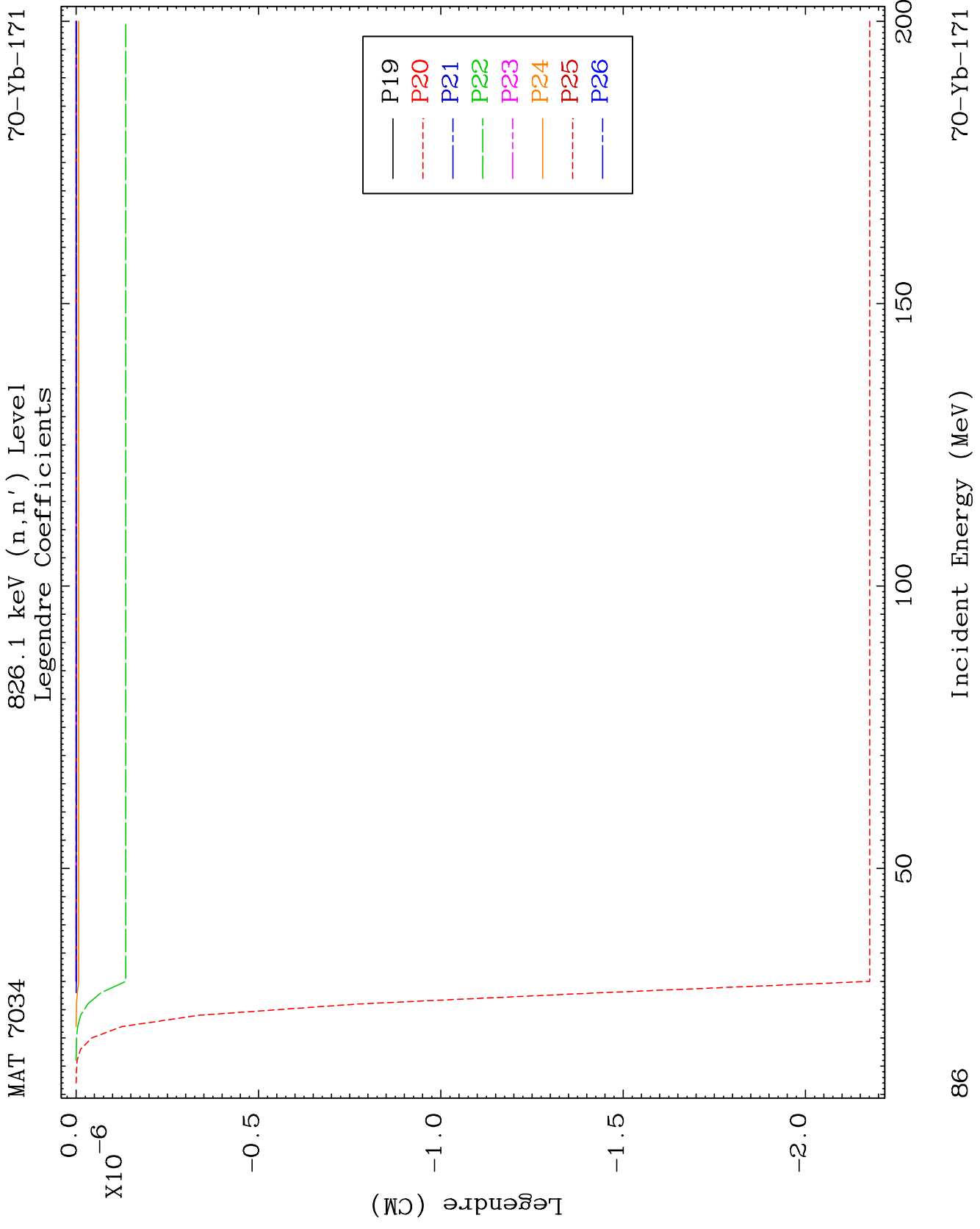
70-Yb-171



85

Incident Energy (MeV)

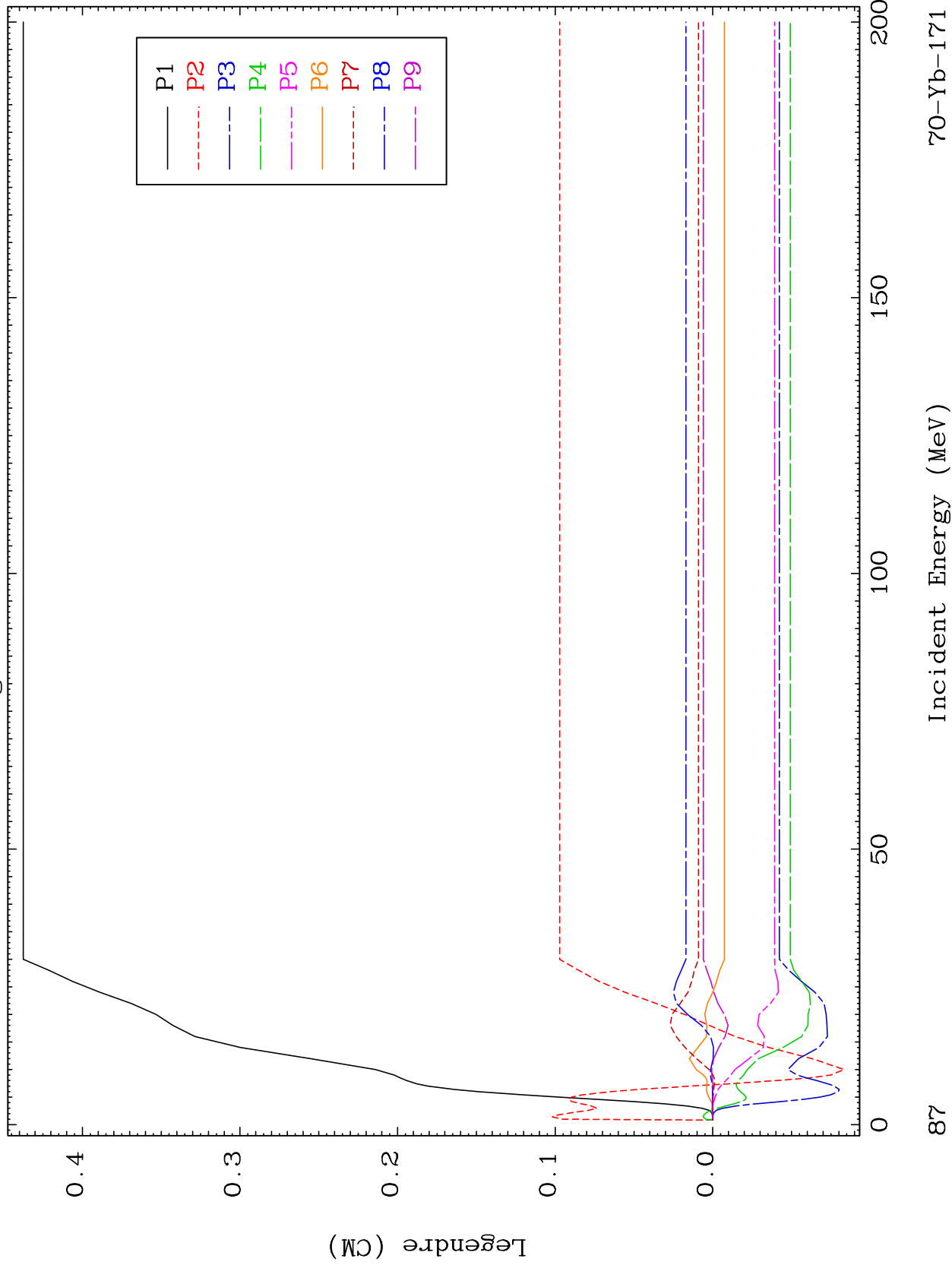
70-Yb-171



MAT 7034

833.1 keV (n,n') Level
Legendre Coefficients

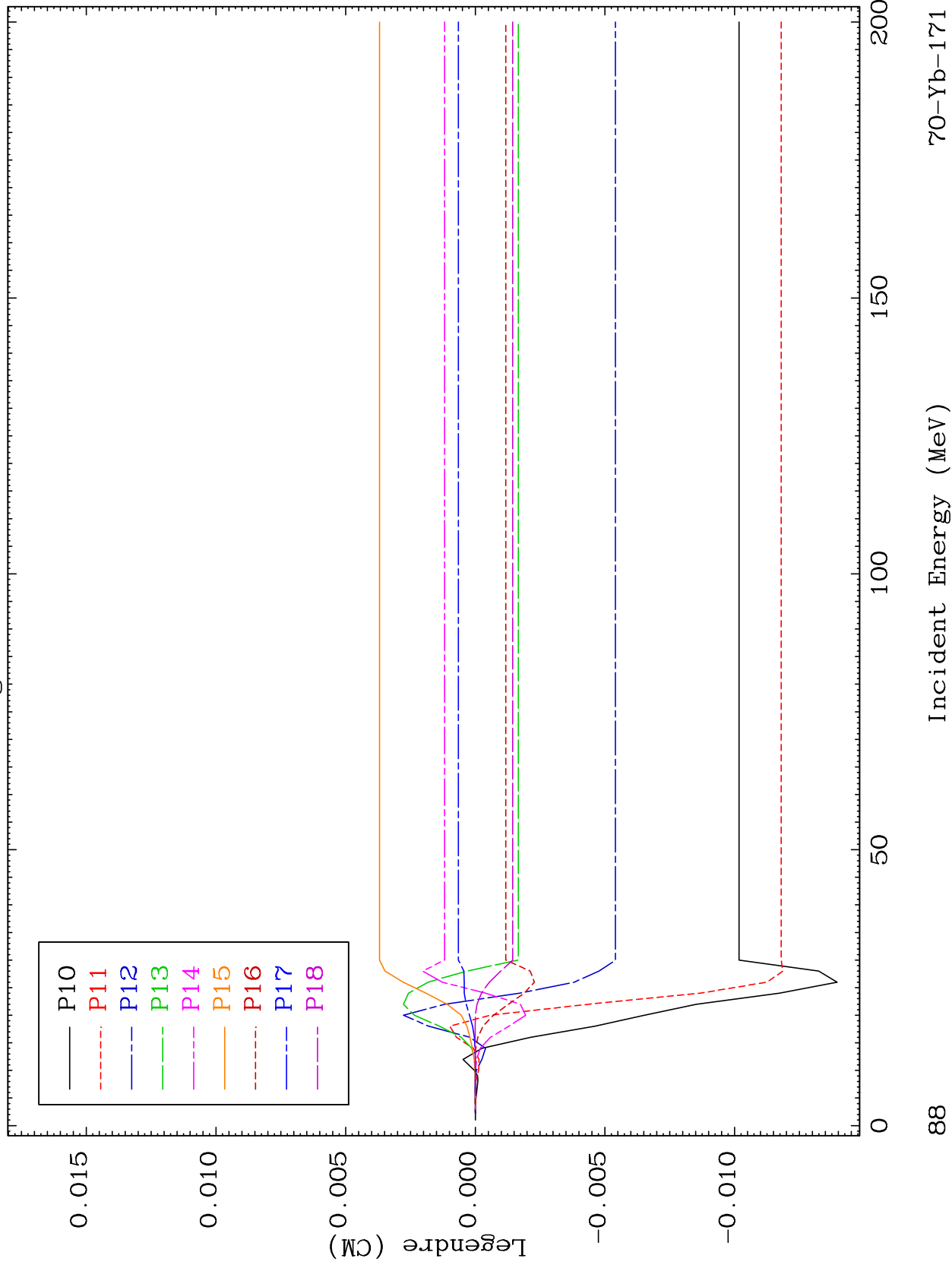
70-Yb-171

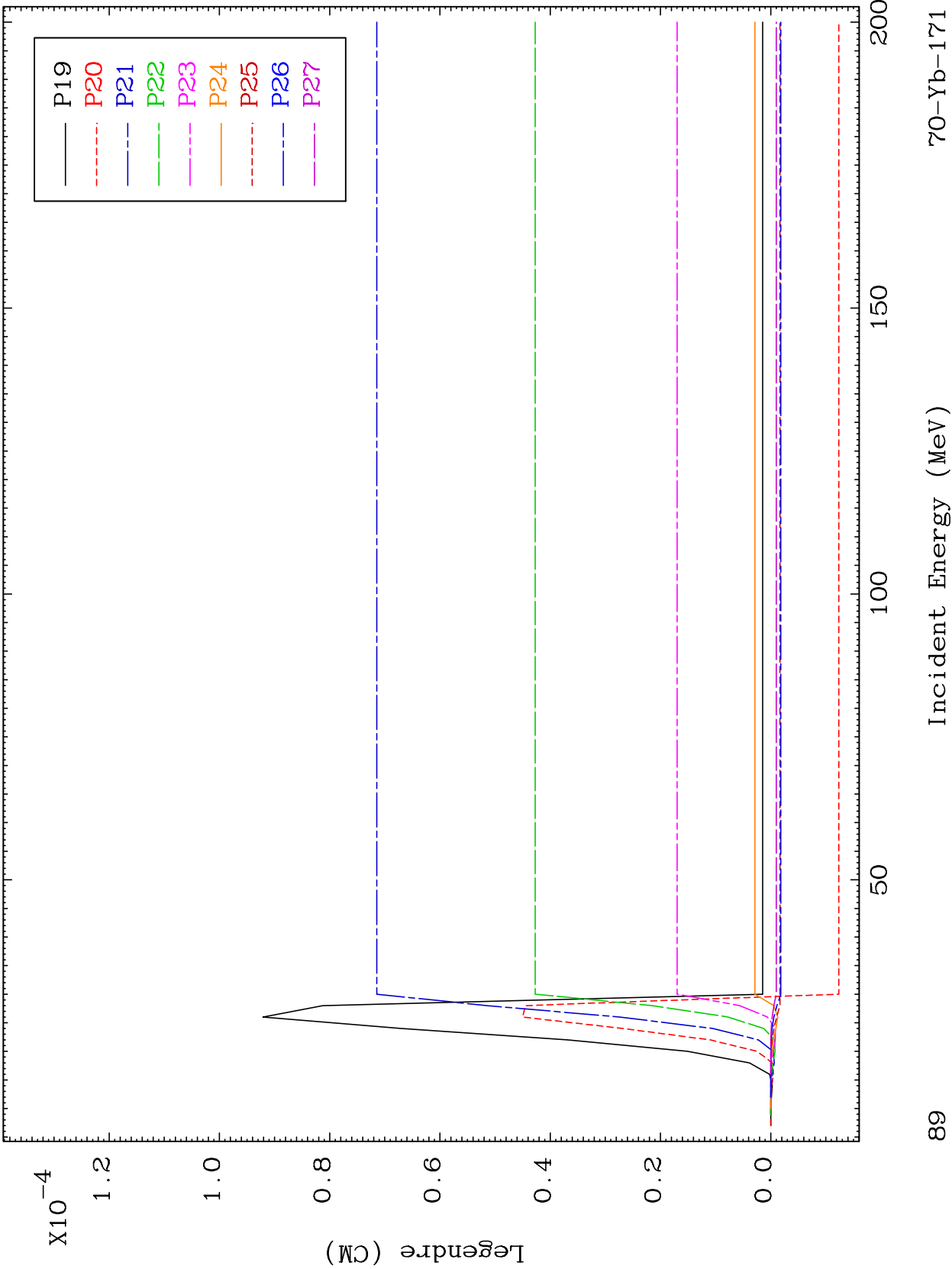


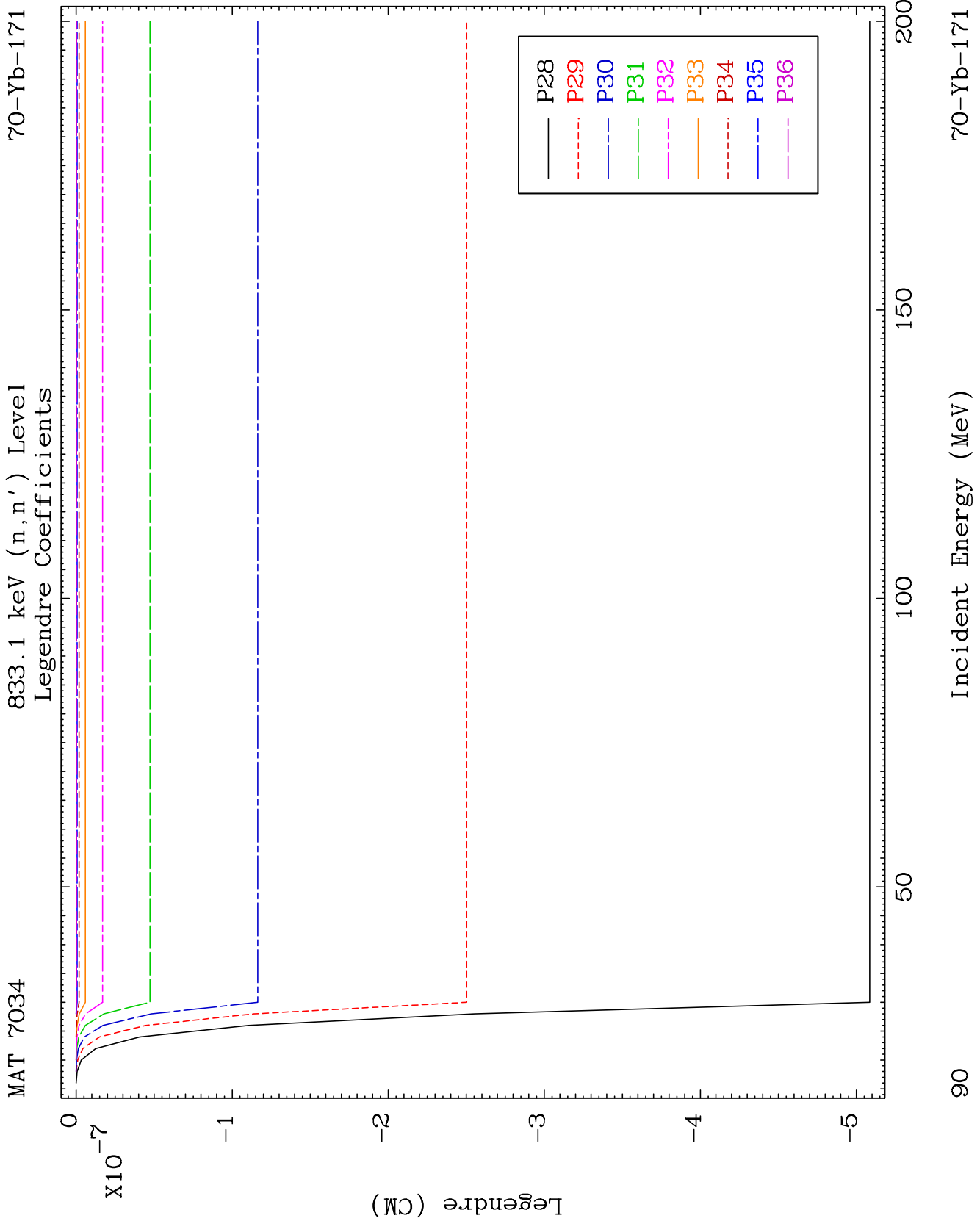
87

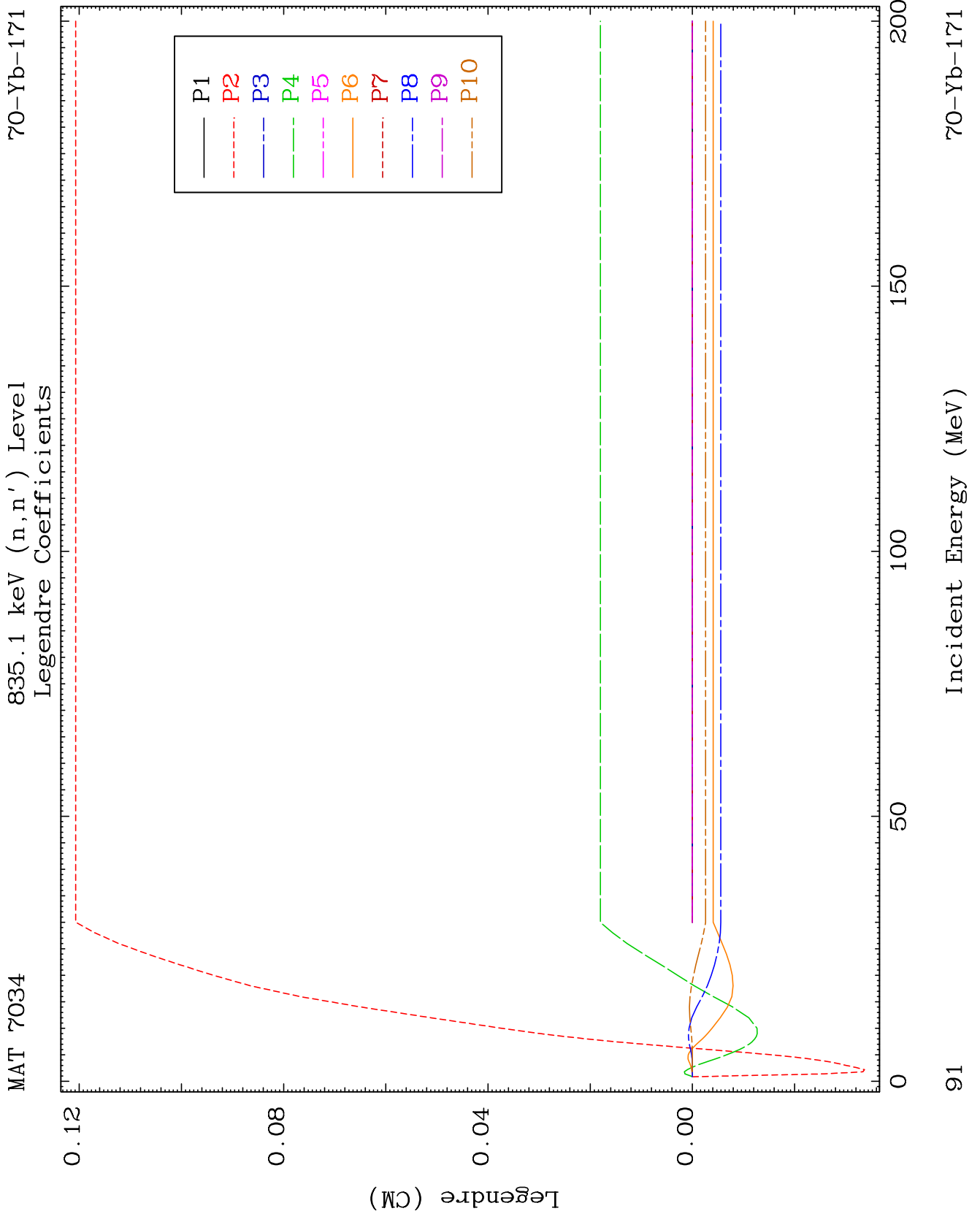
Incident Energy (MeV)

70-Yb-171





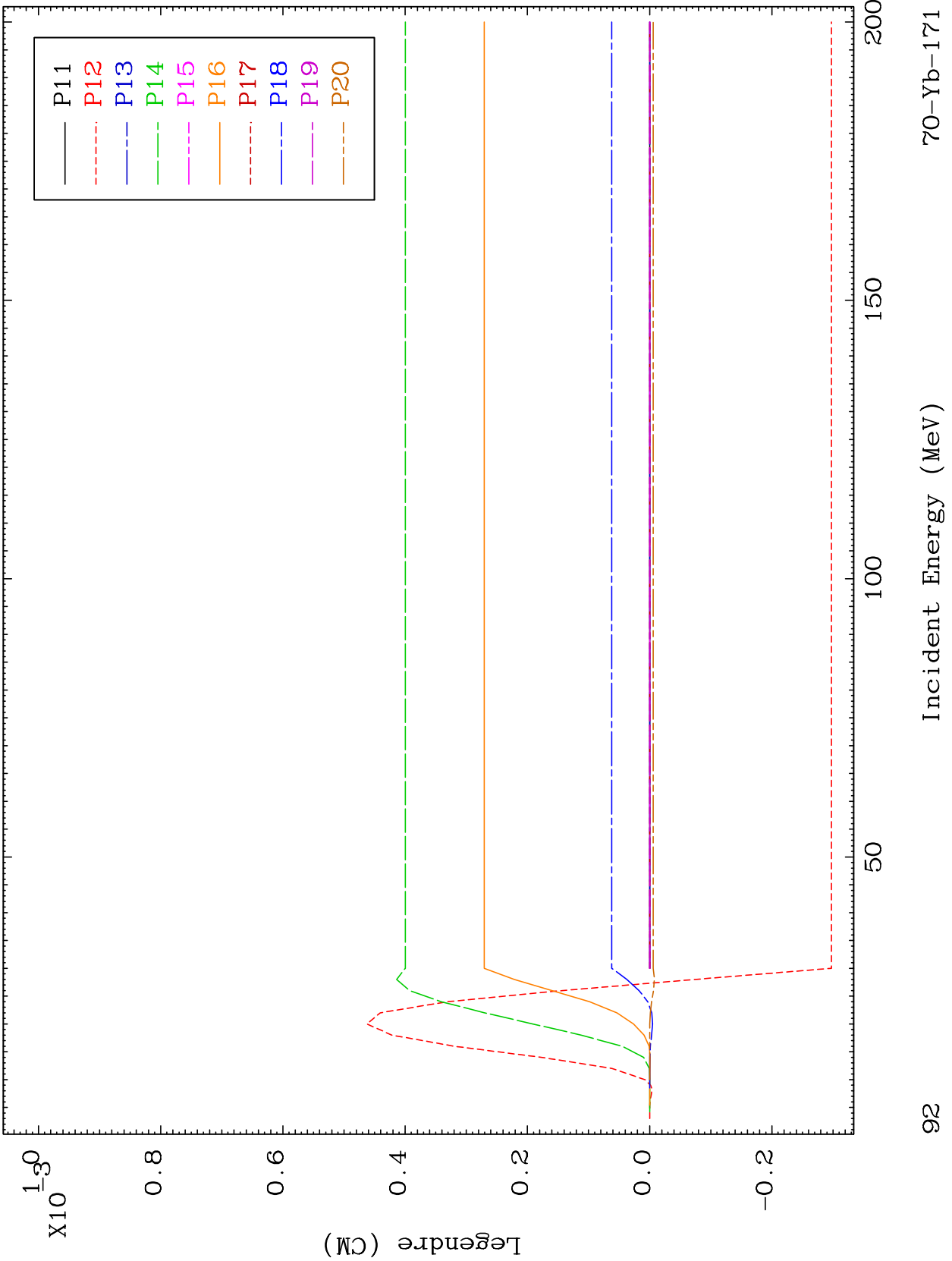


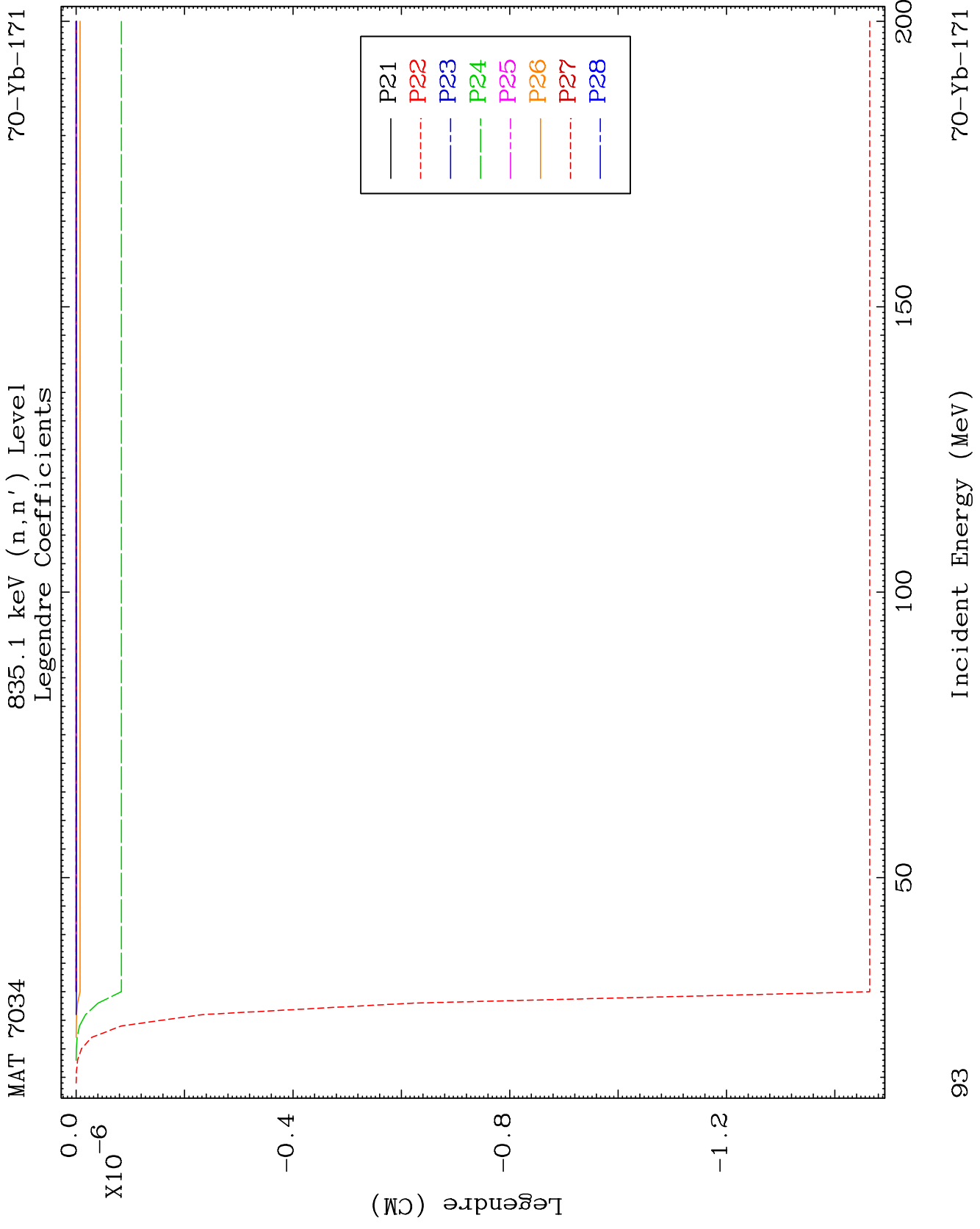


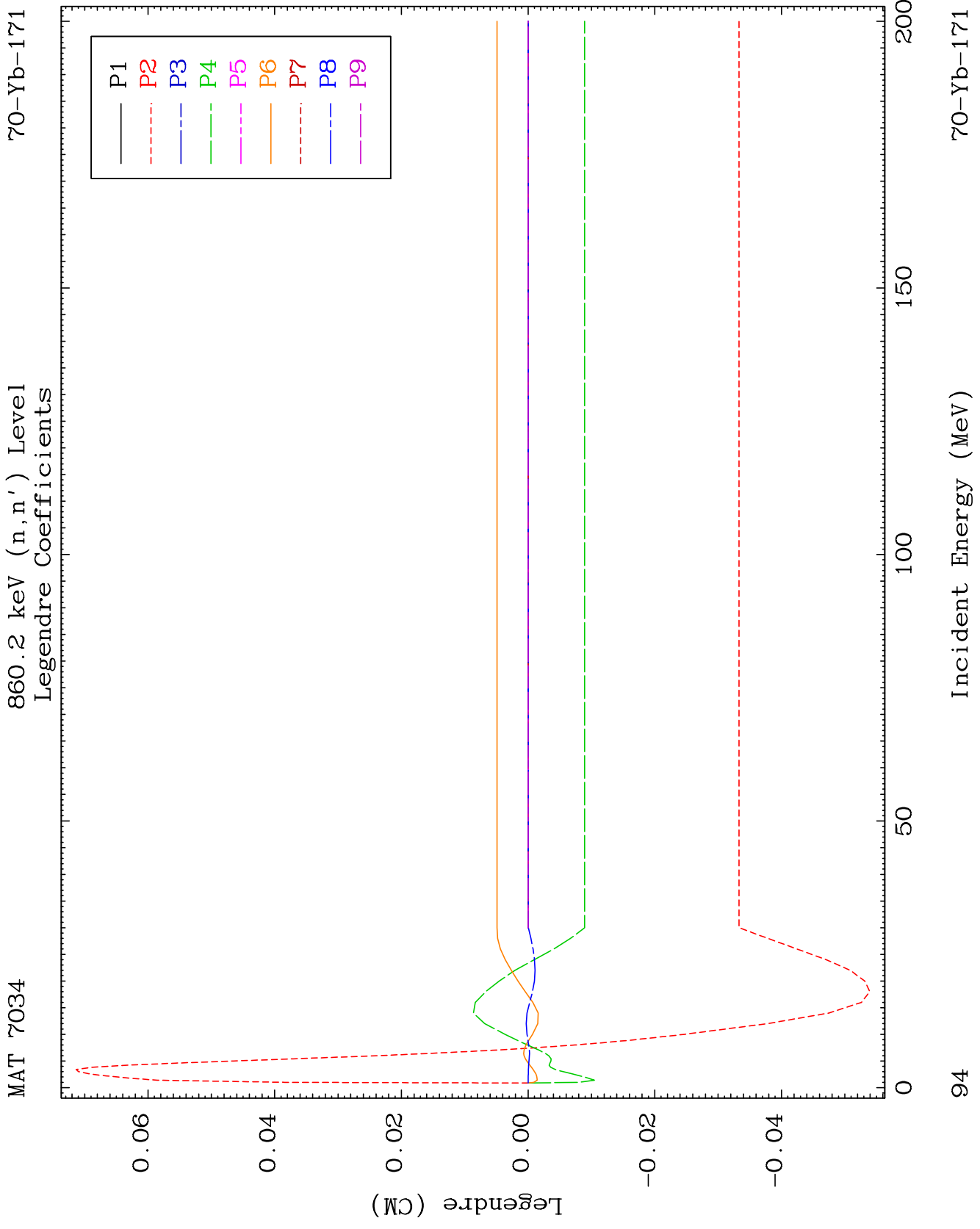
MAT 7034

835.1 keV (n,n') Level
Legendre Coefficients

70-Yb-171



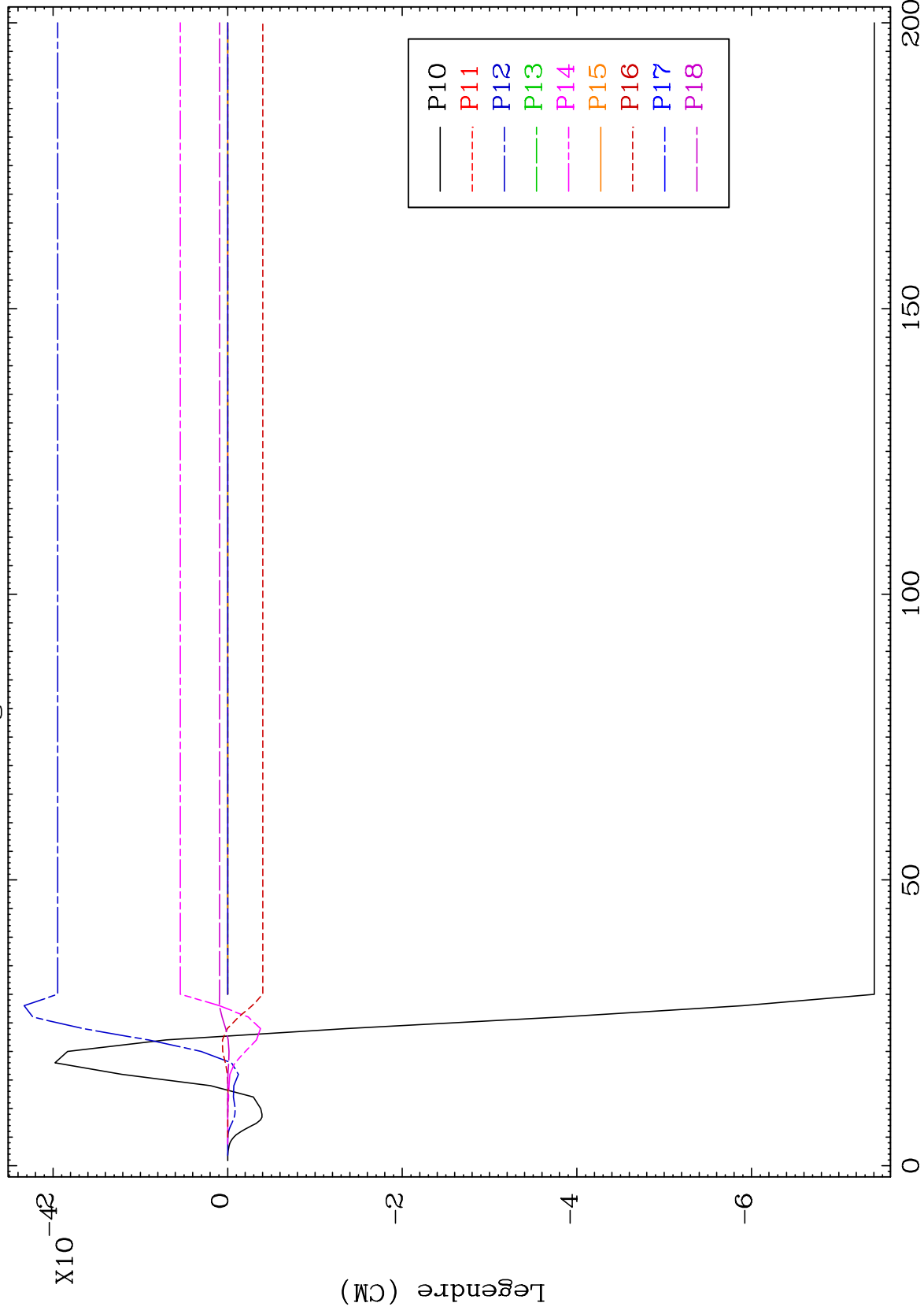




MAT 7034

860.2 keV (n,n') Level
Legendre Coefficients

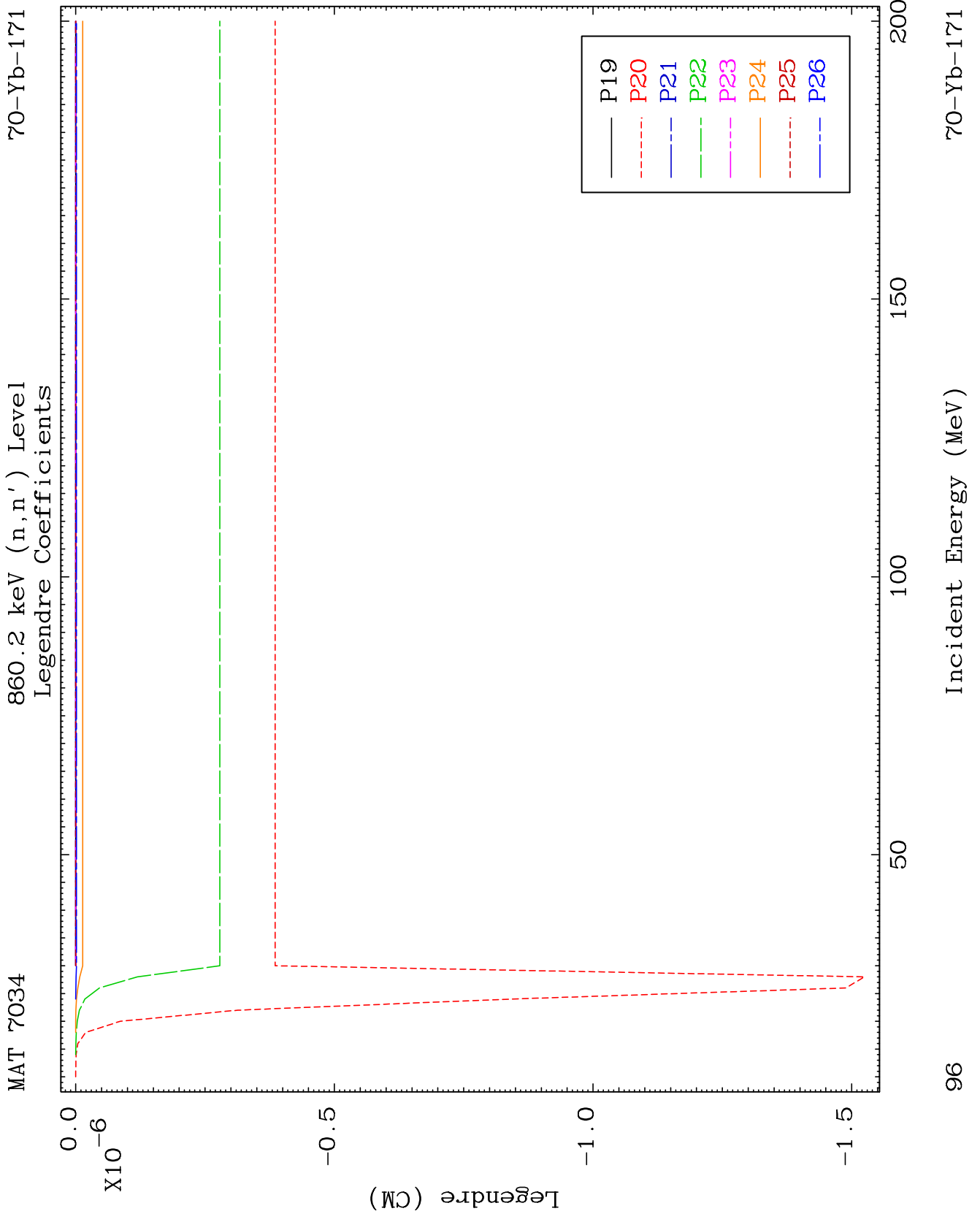
70-Yb-171

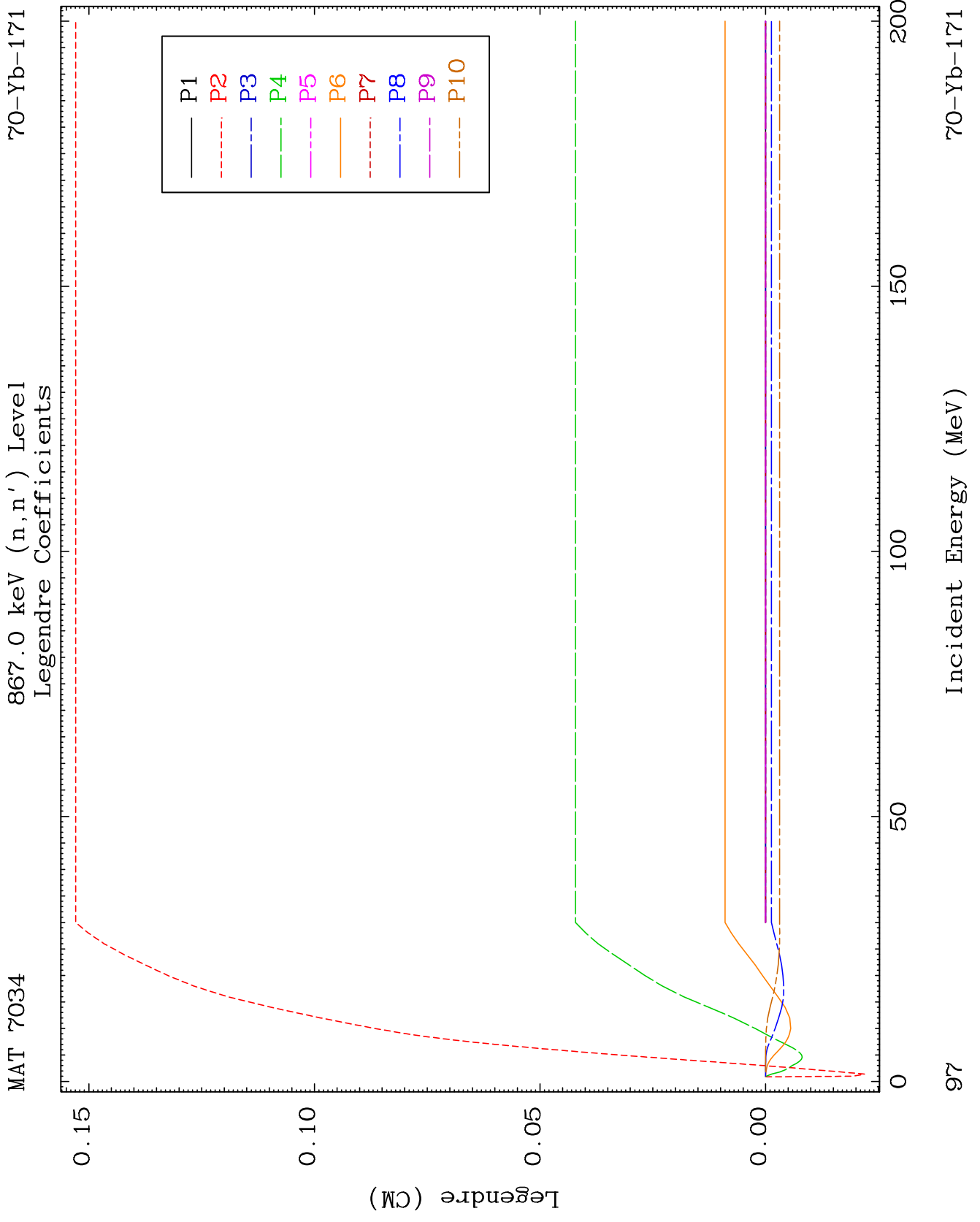


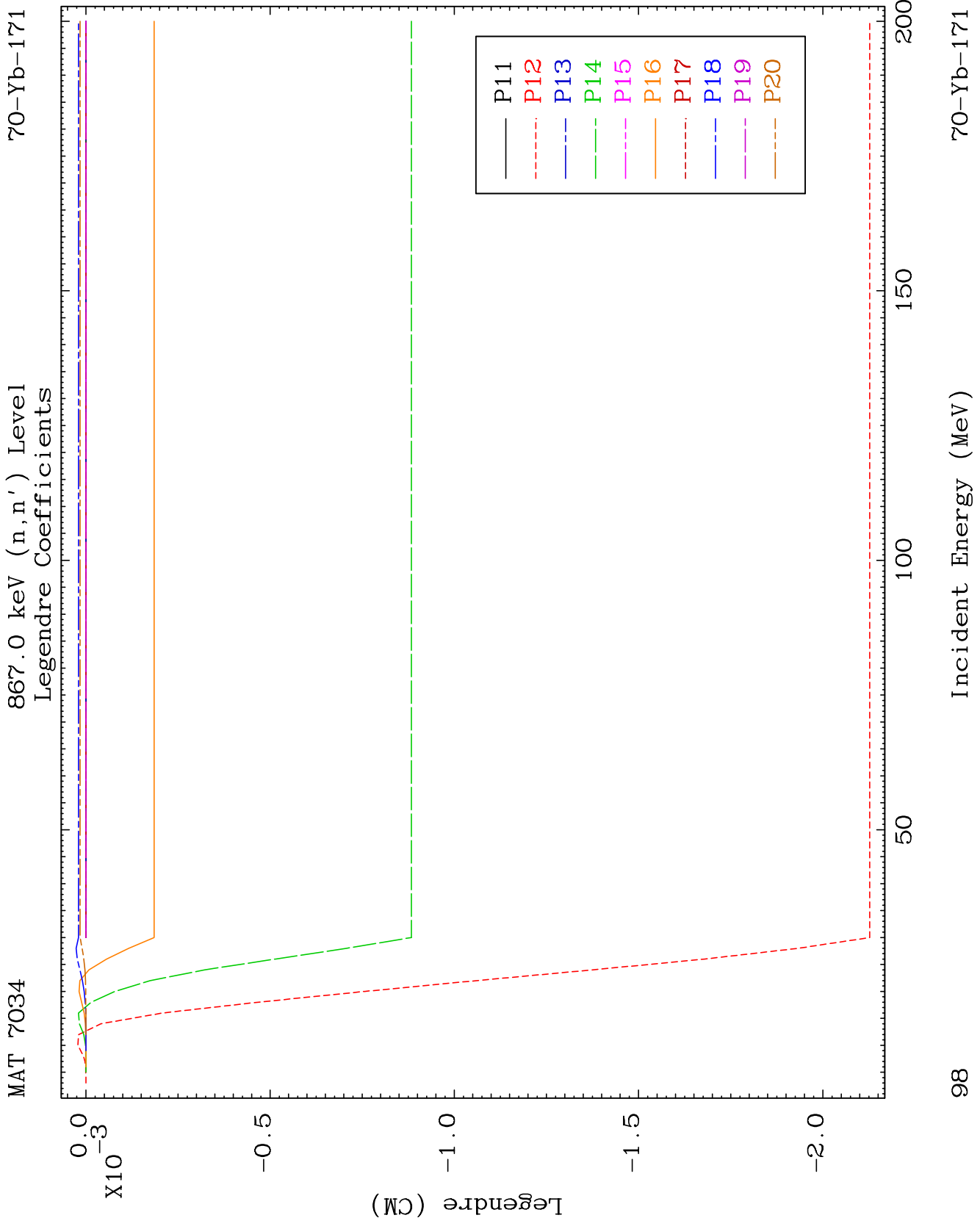
95

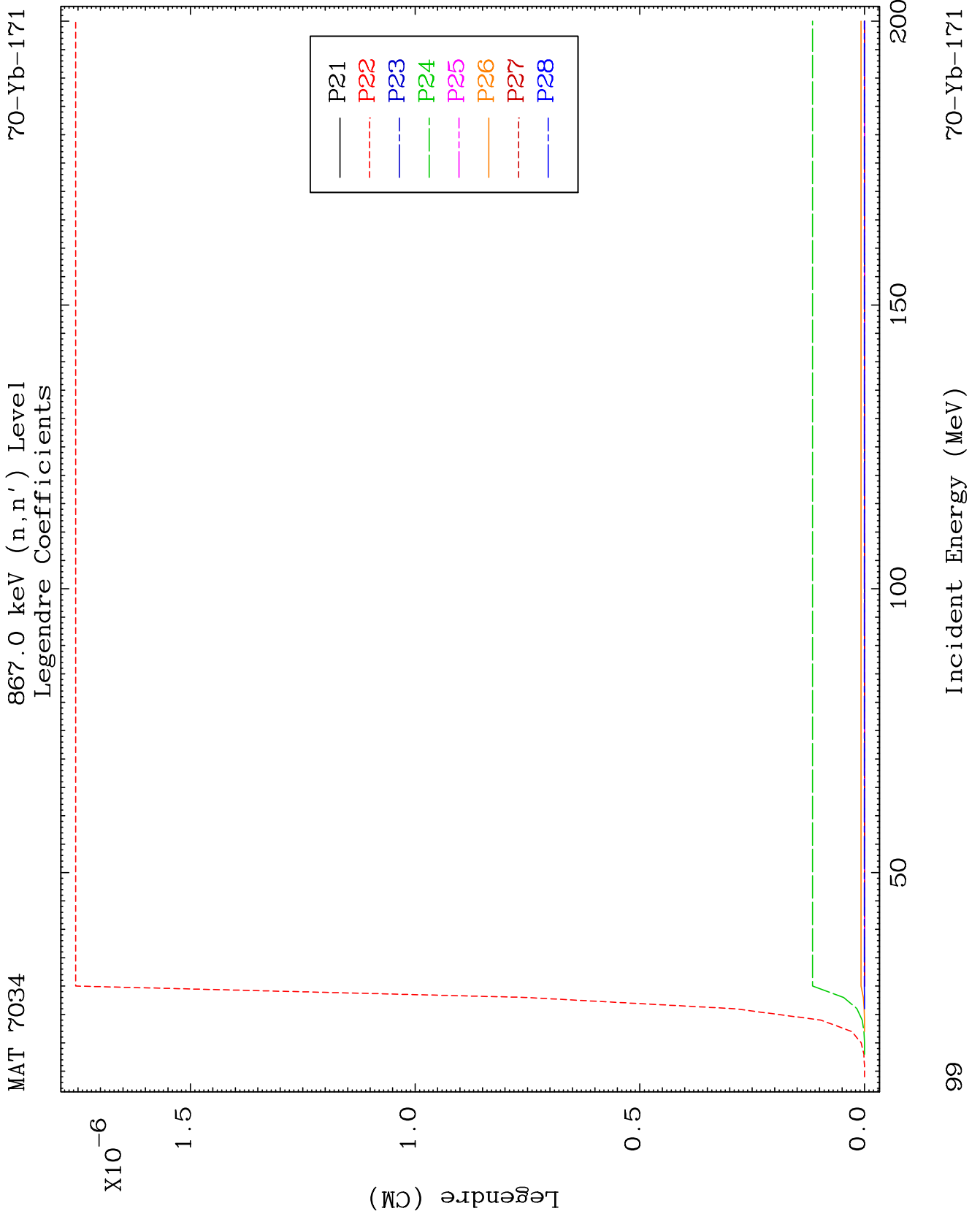
Incident Energy (MeV)

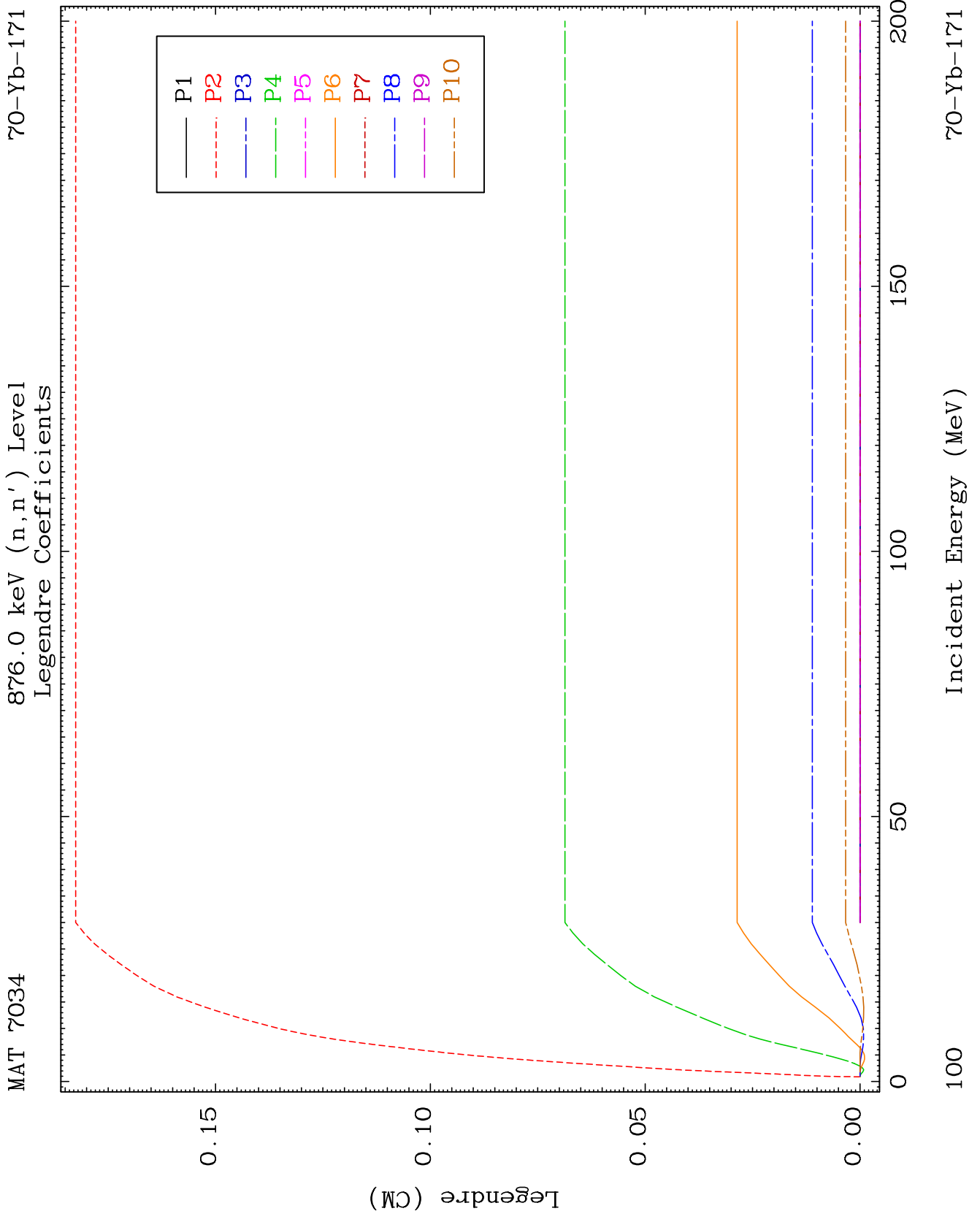
70-Yb-171







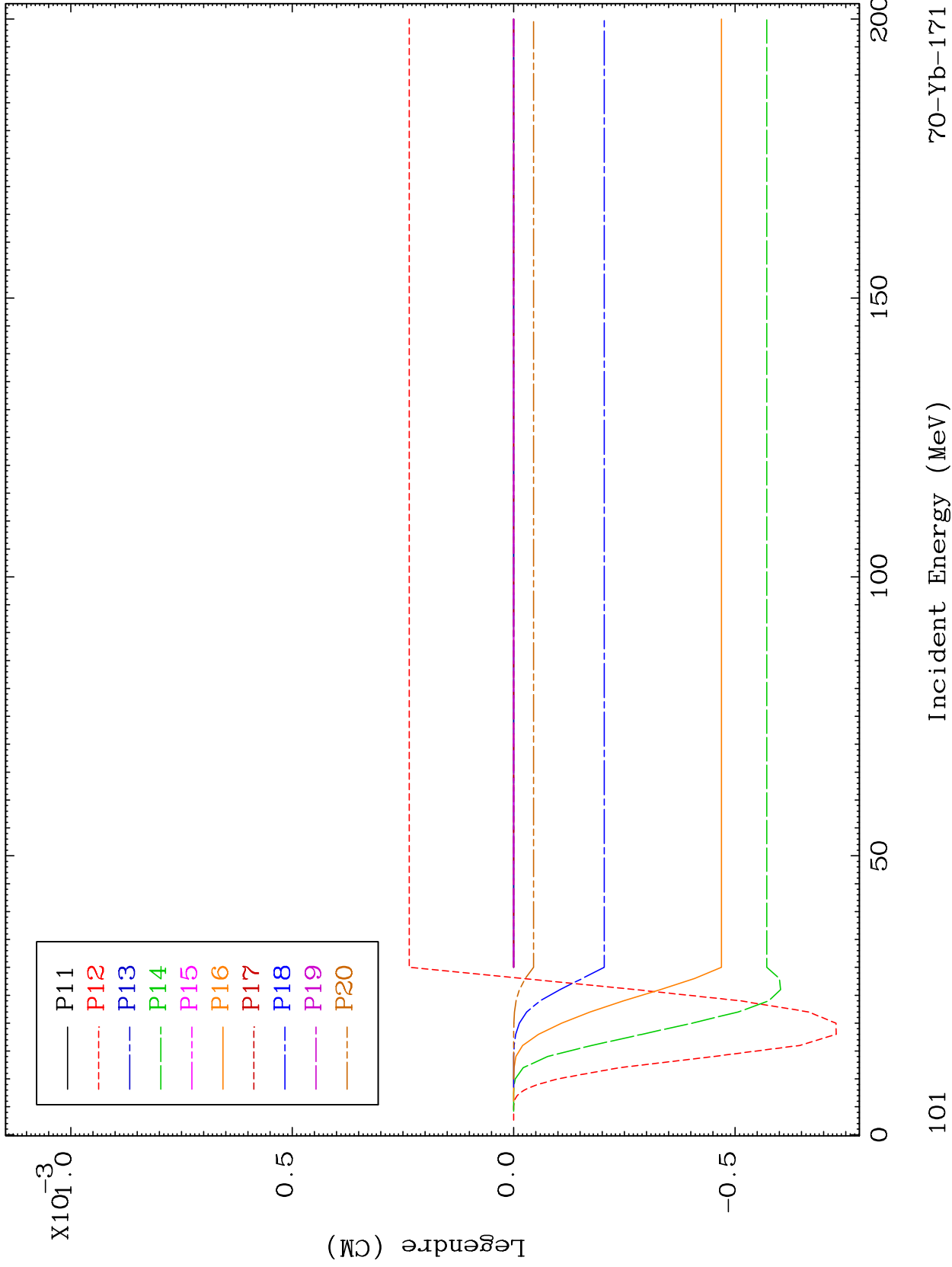




MAT 7034

876.0 keV (n,n') Level
Legendre Coefficients

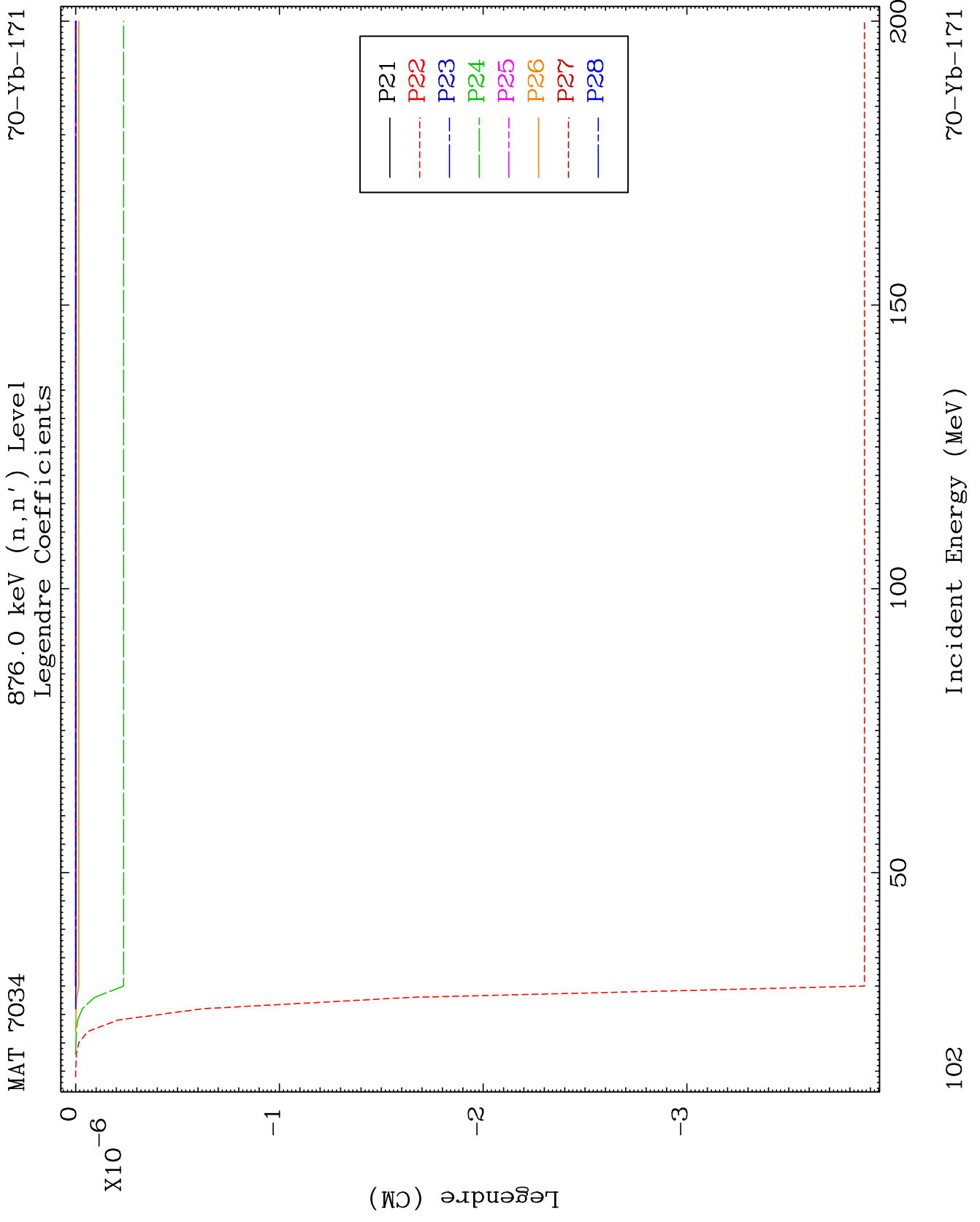
70-Yb-171



101

Incident Energy (MeV)

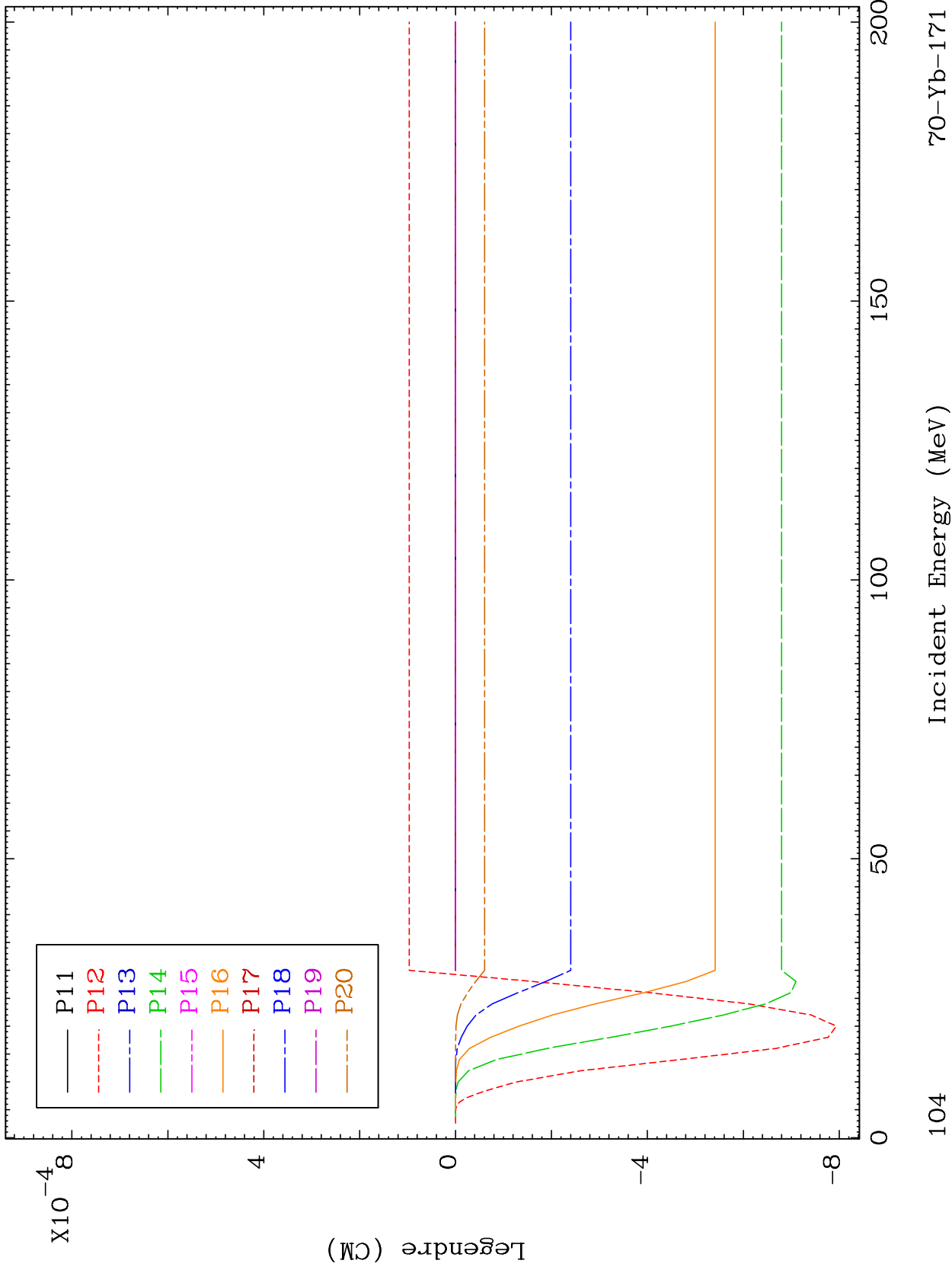
70-Yb-171



MAT 7034

902.2 keV (n,n') Level
Legendre Coefficients

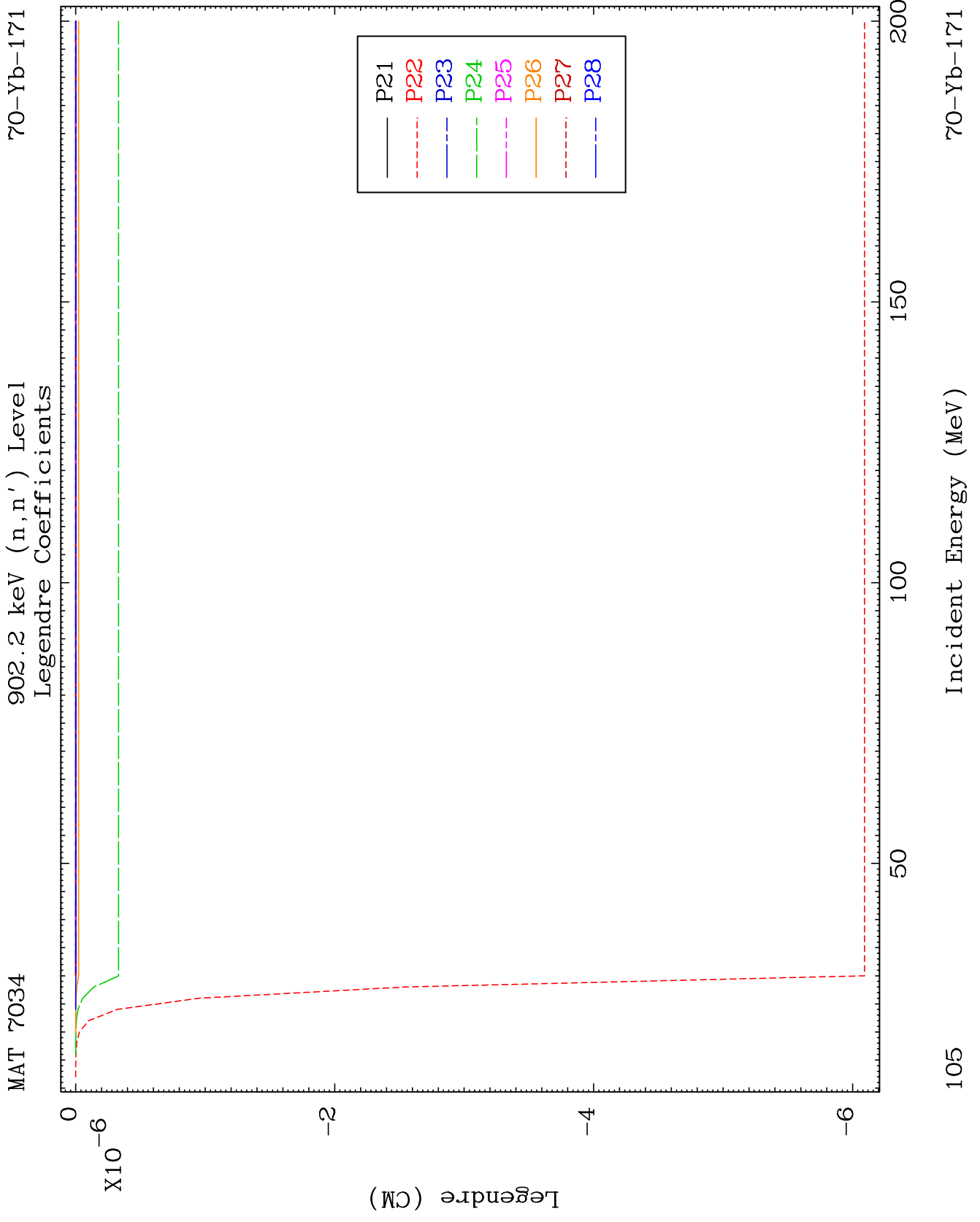
70-Yb-171

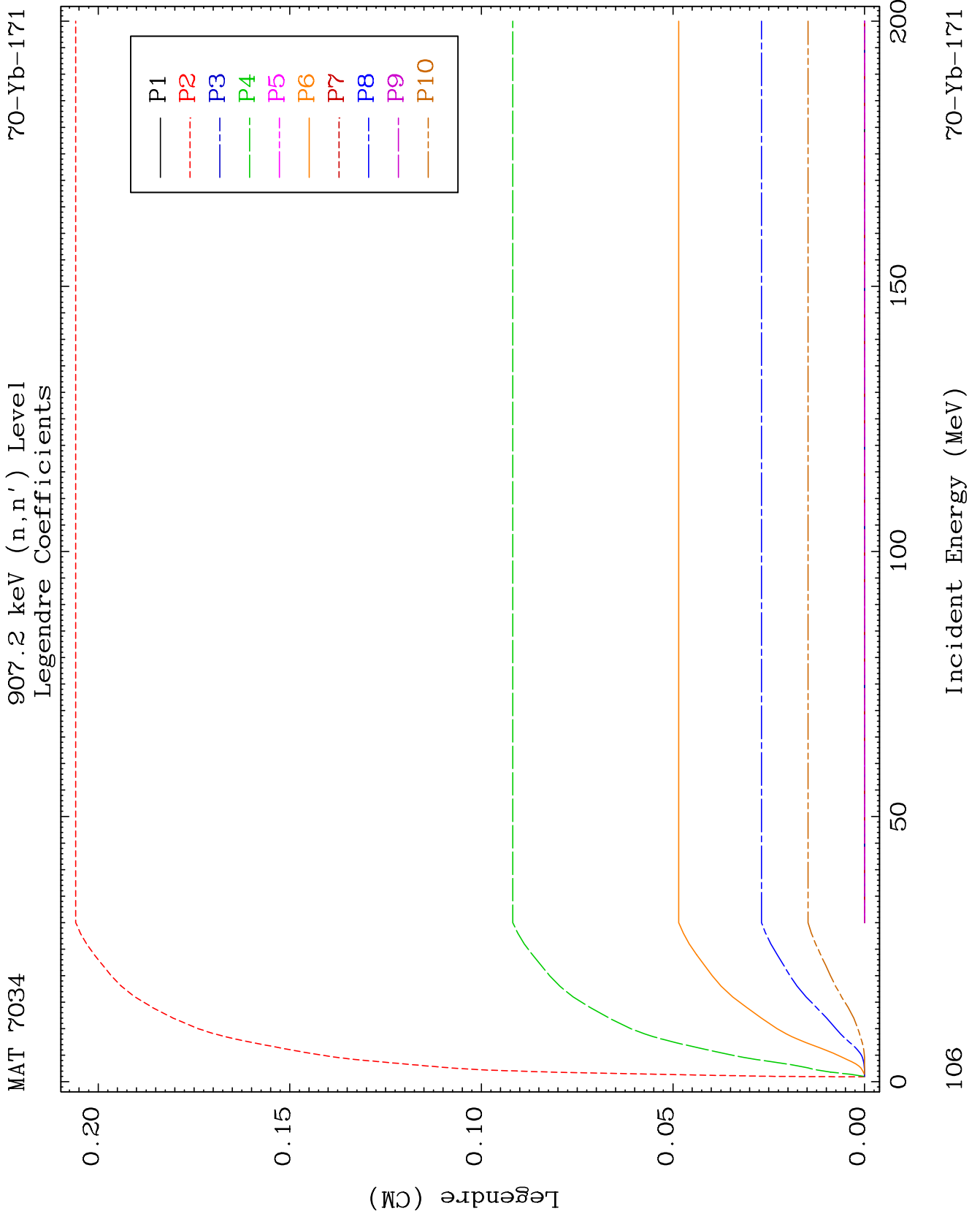


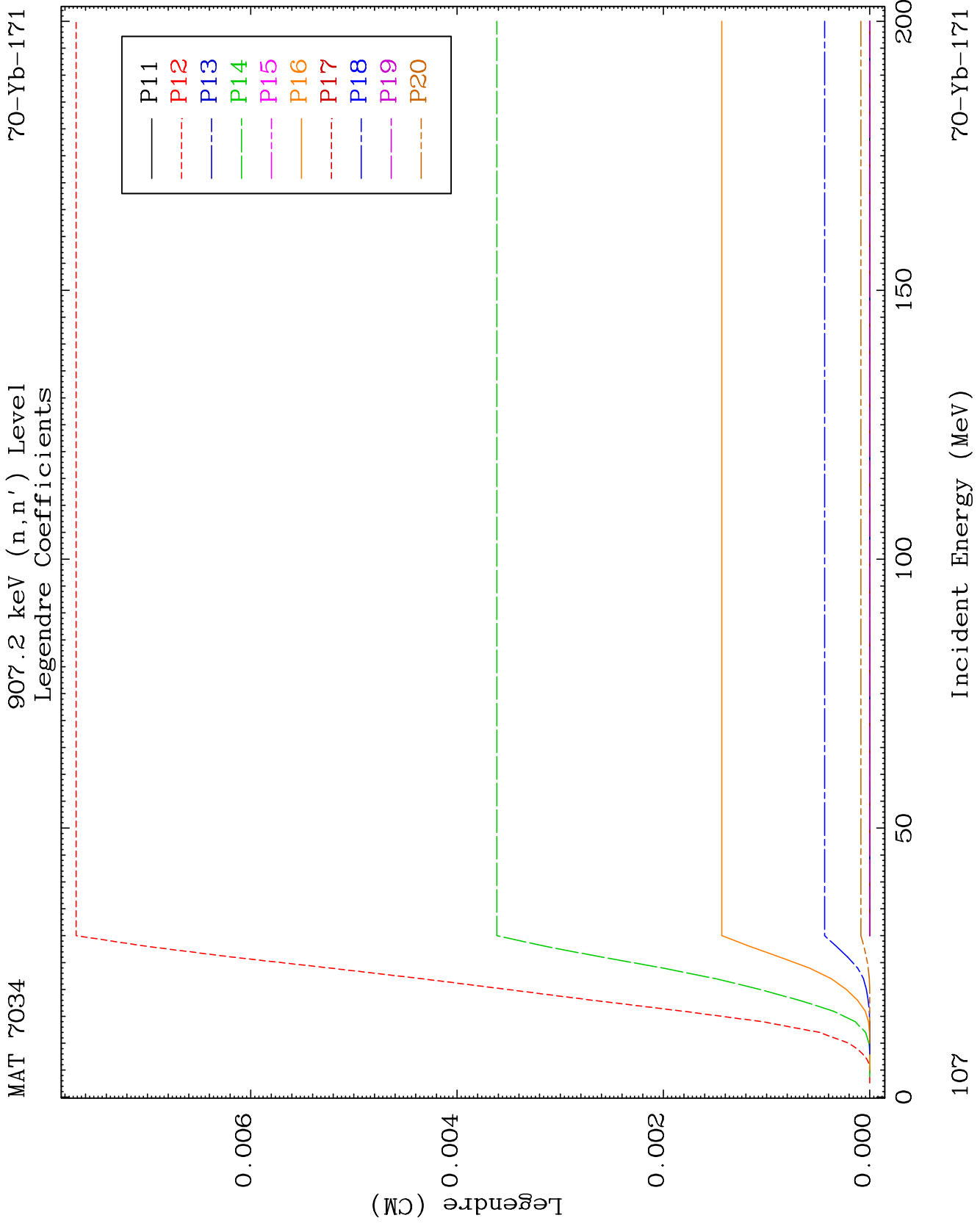
104

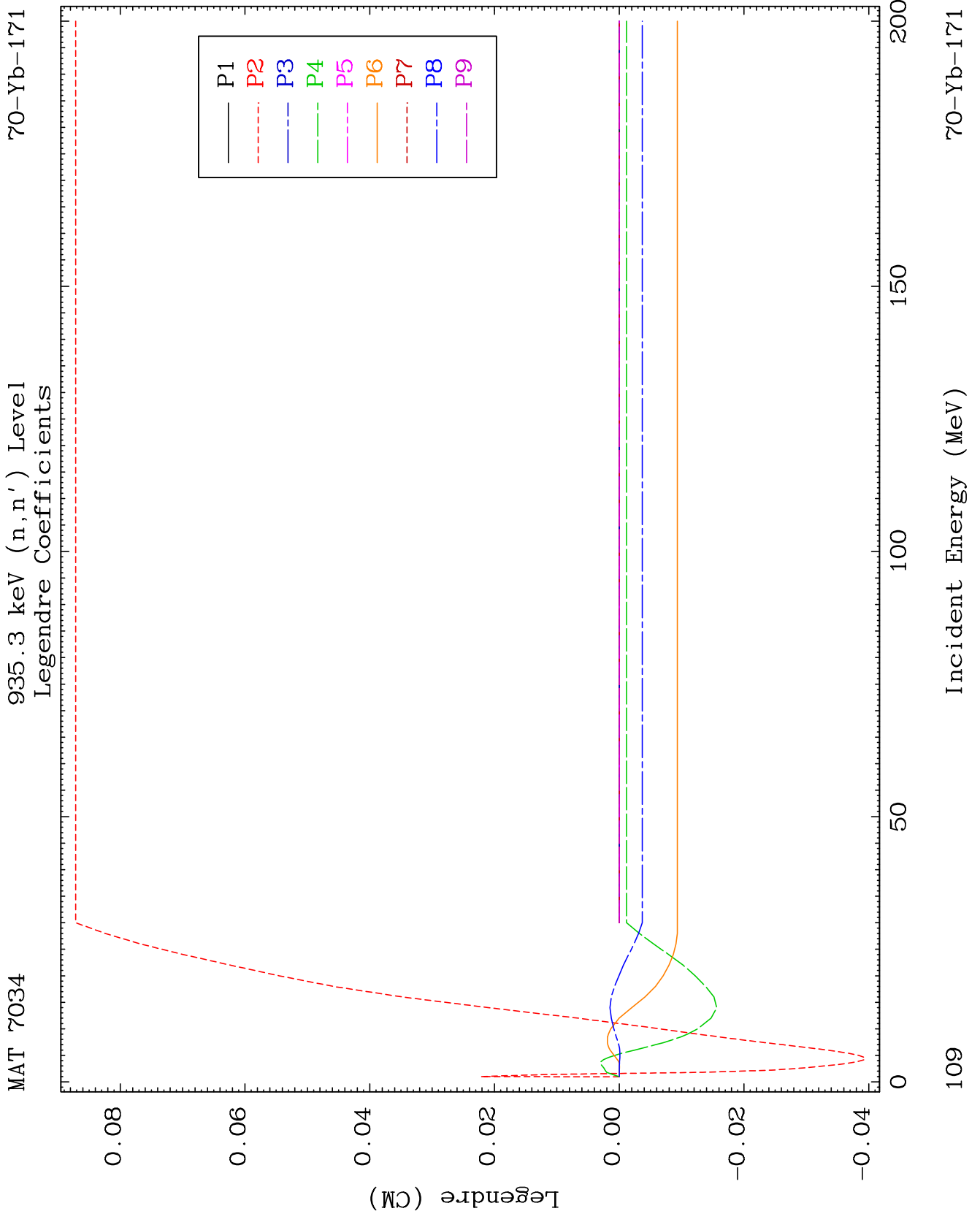
Incident Energy (MeV)

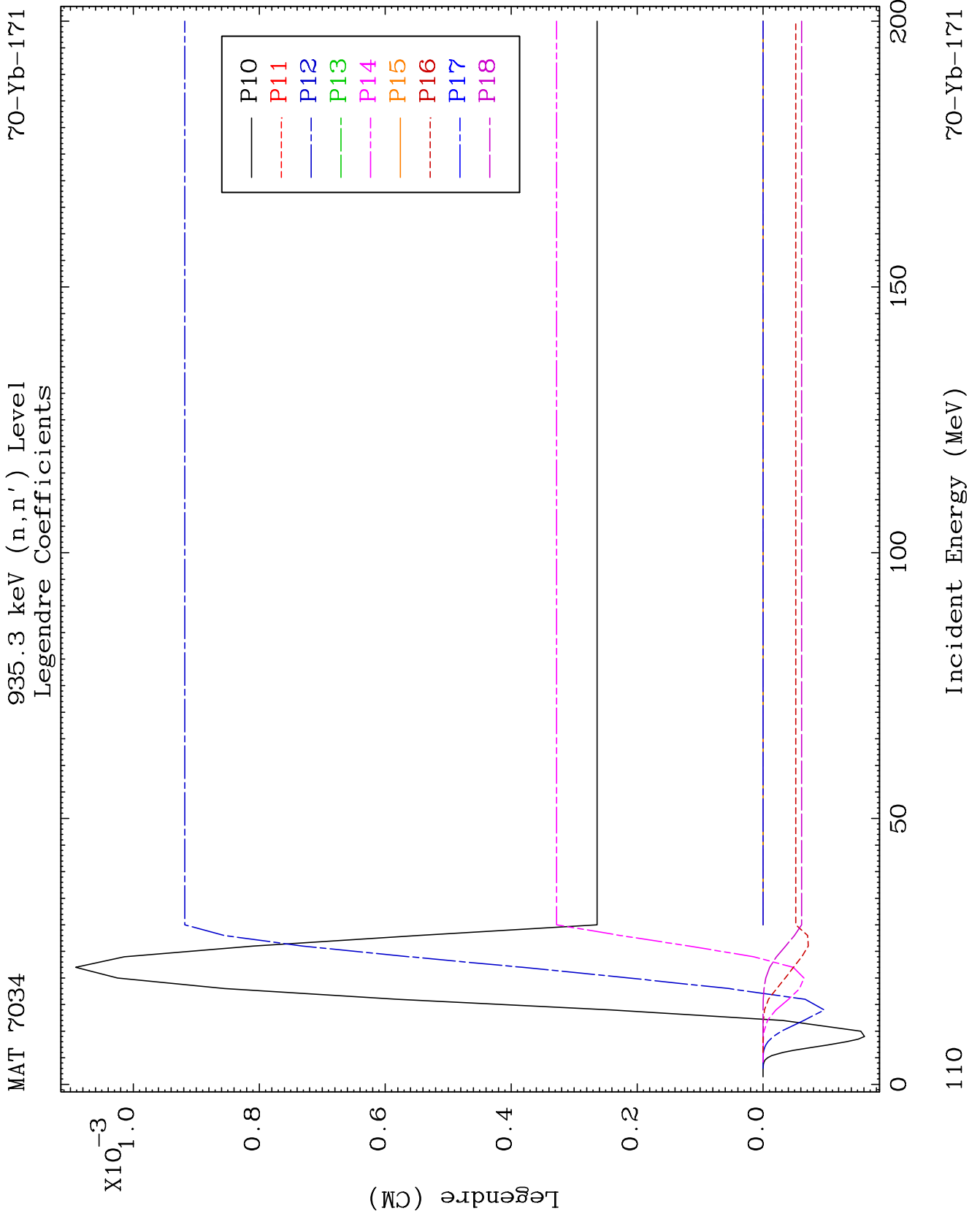
70-Yb-171

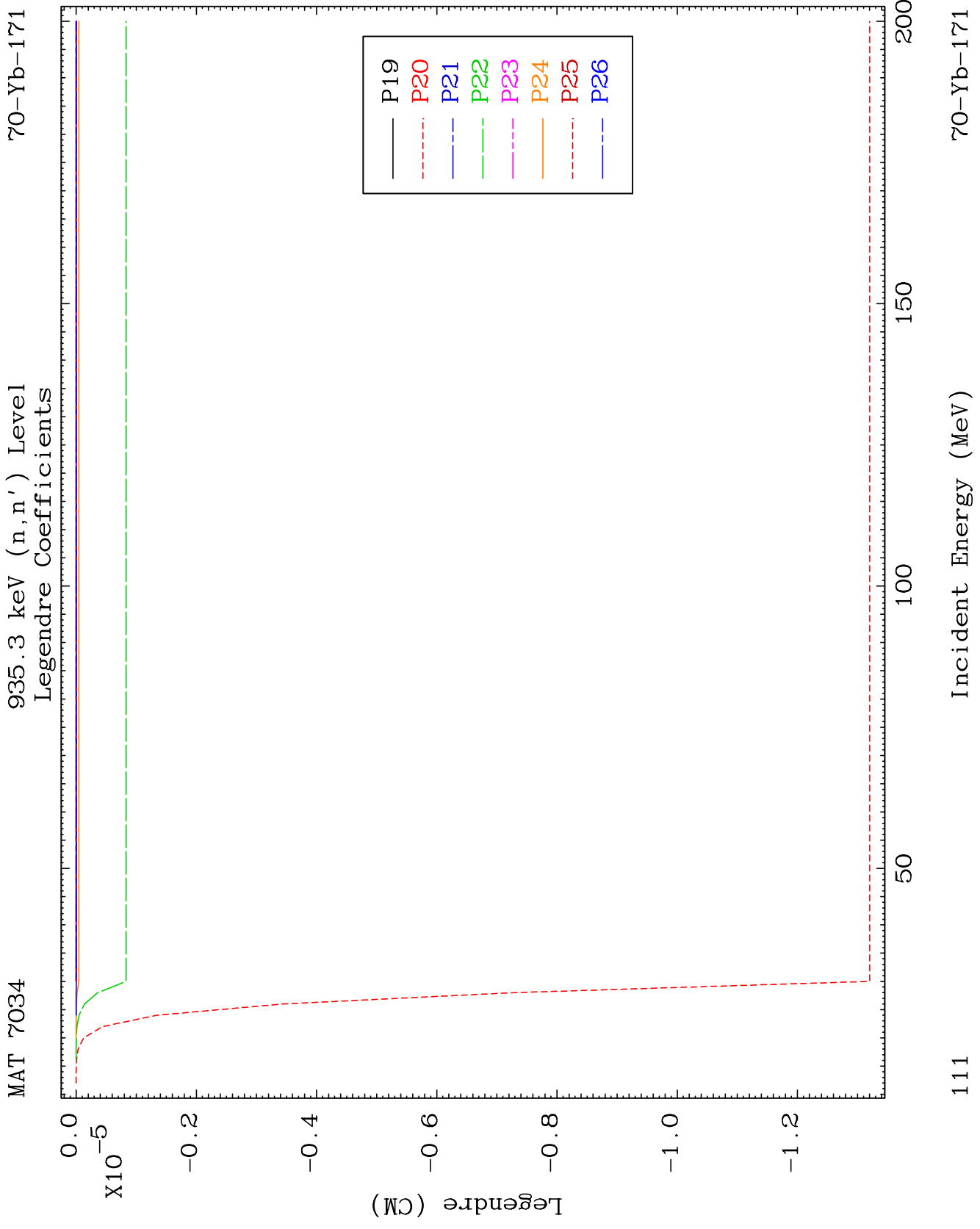


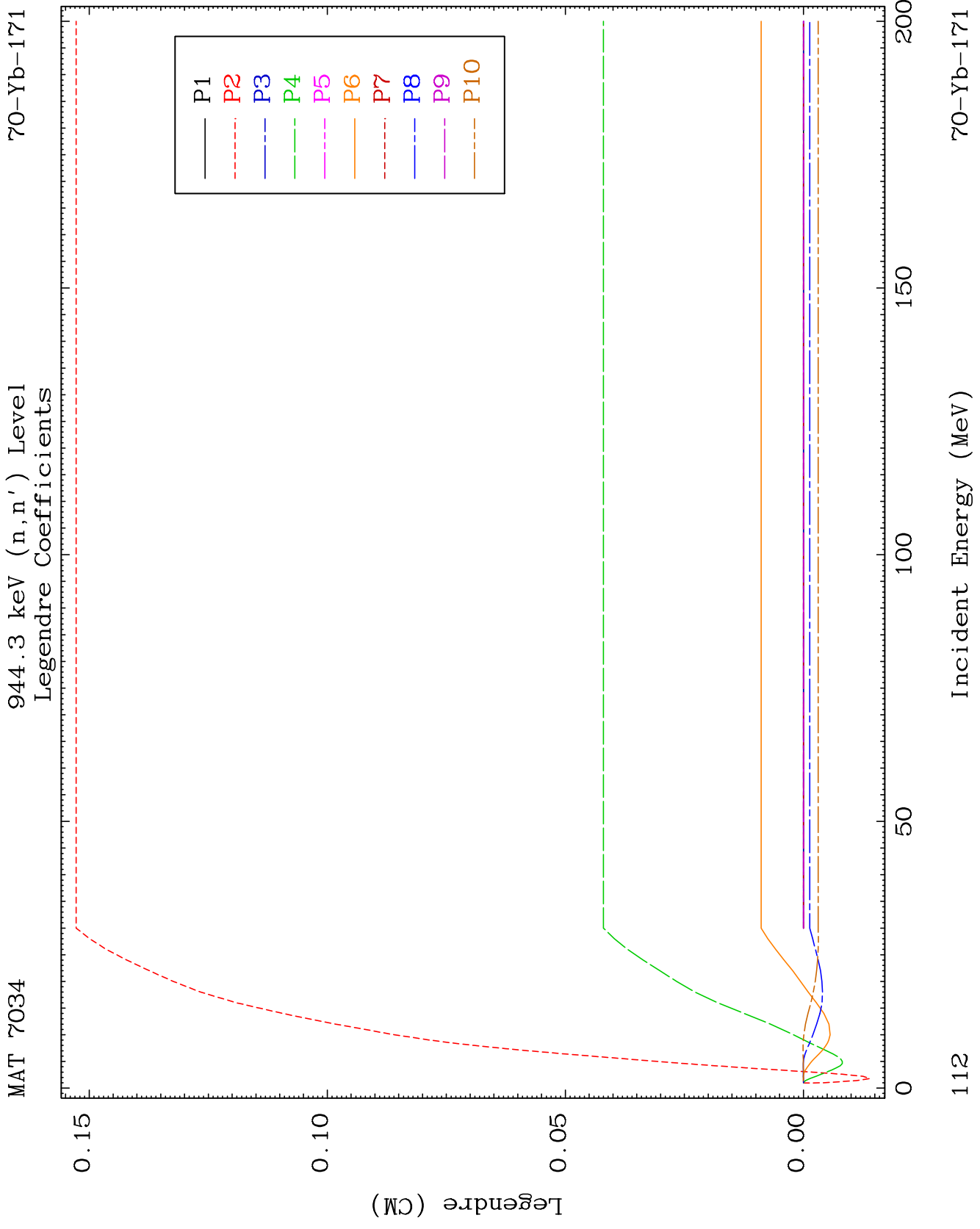


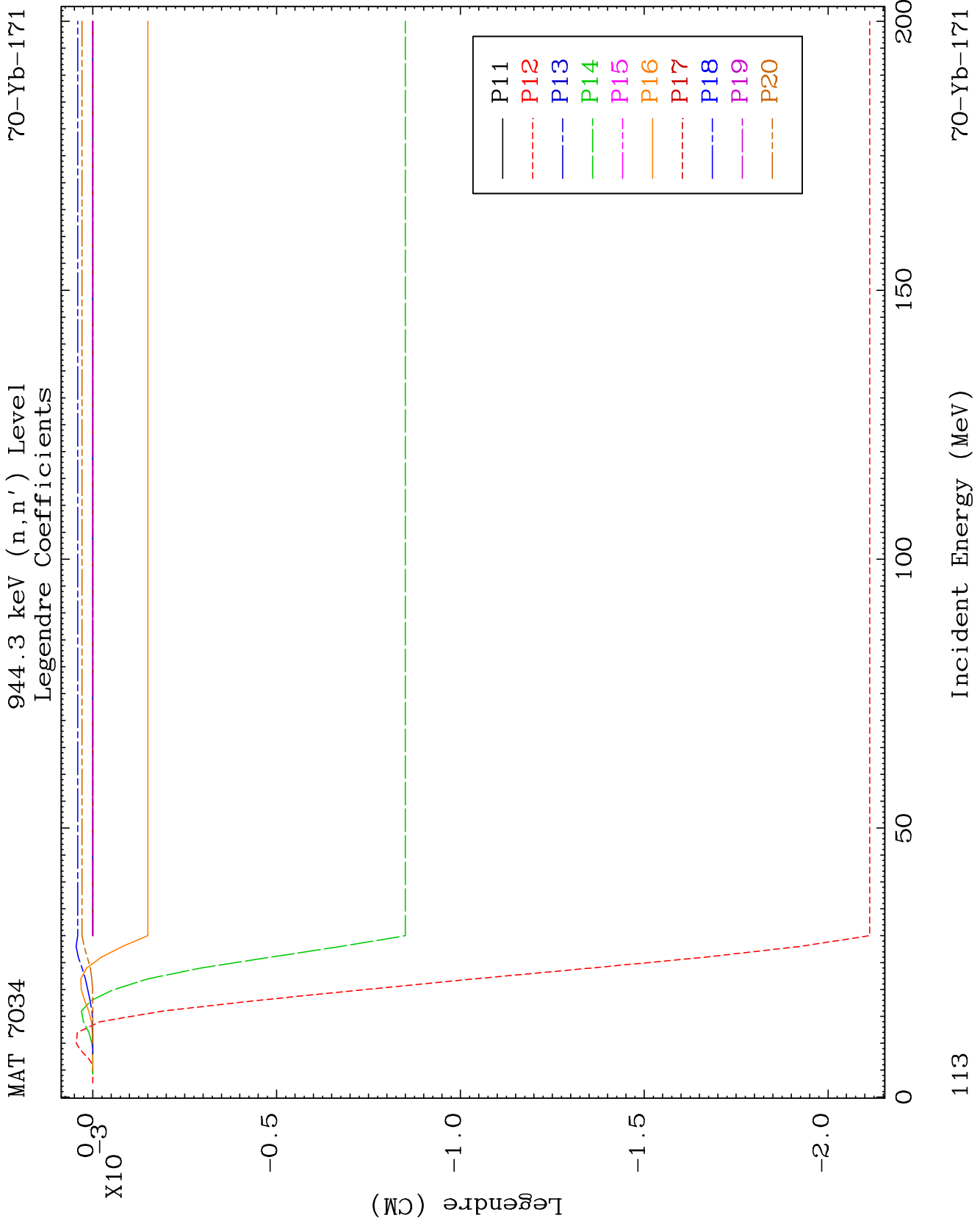


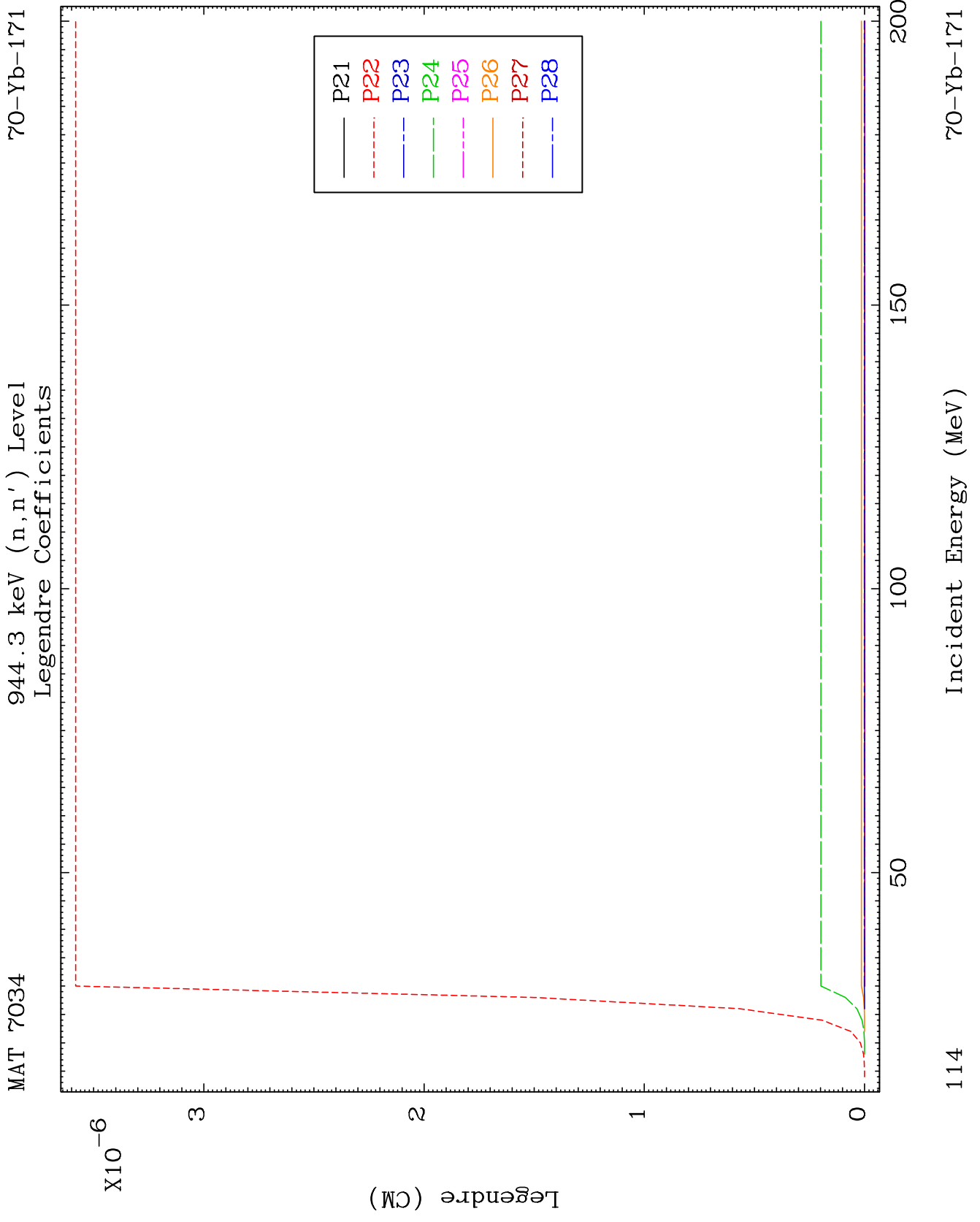


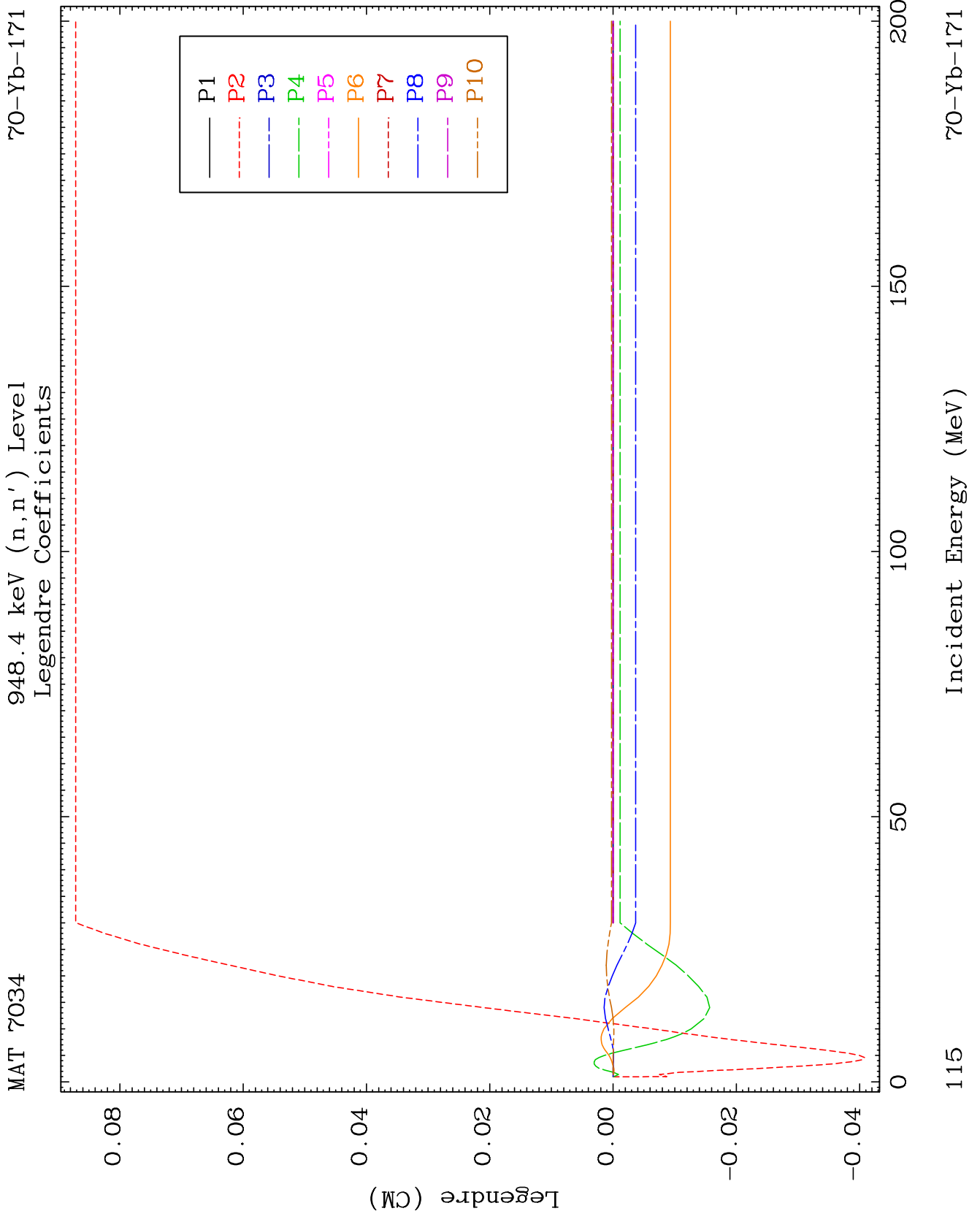


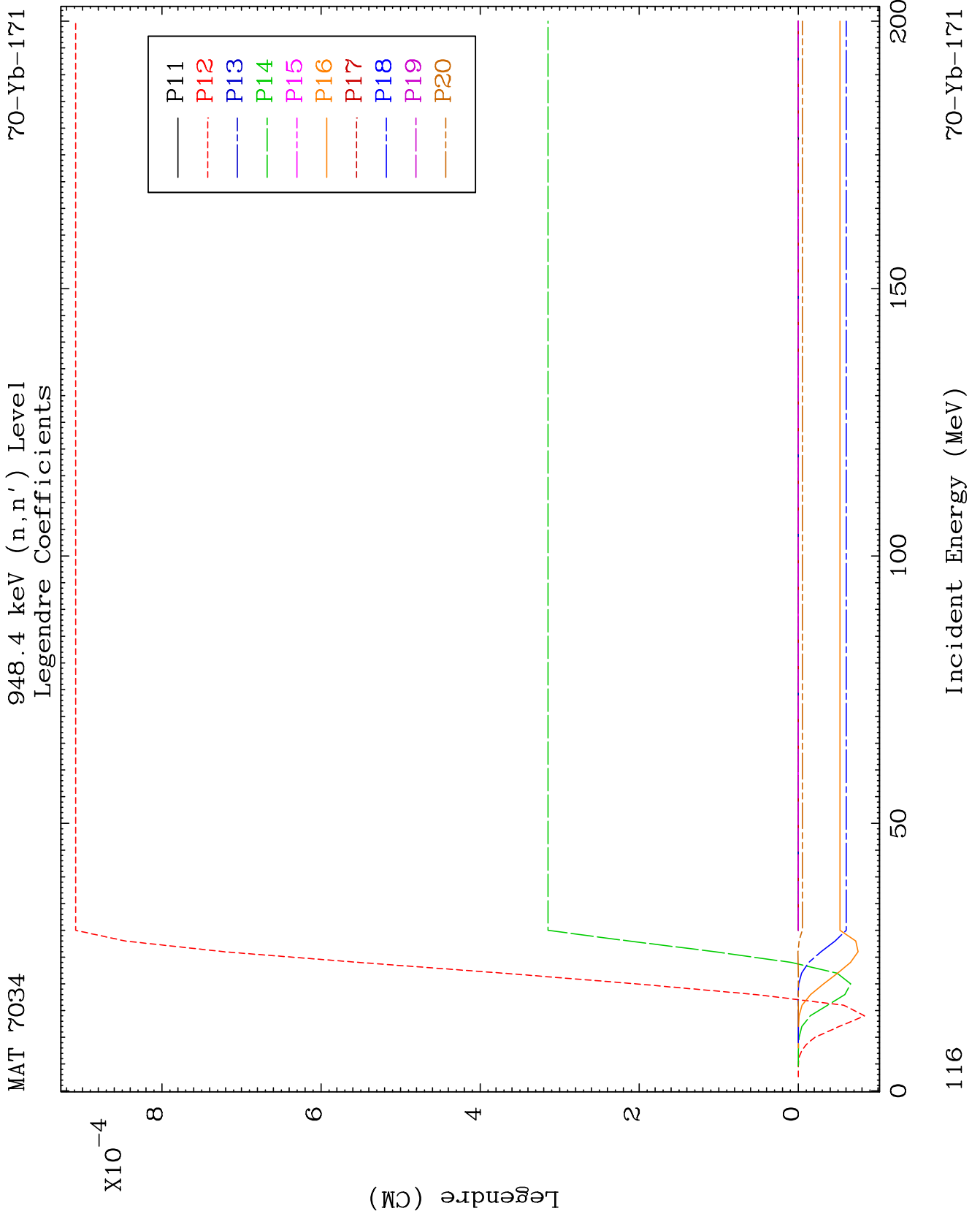


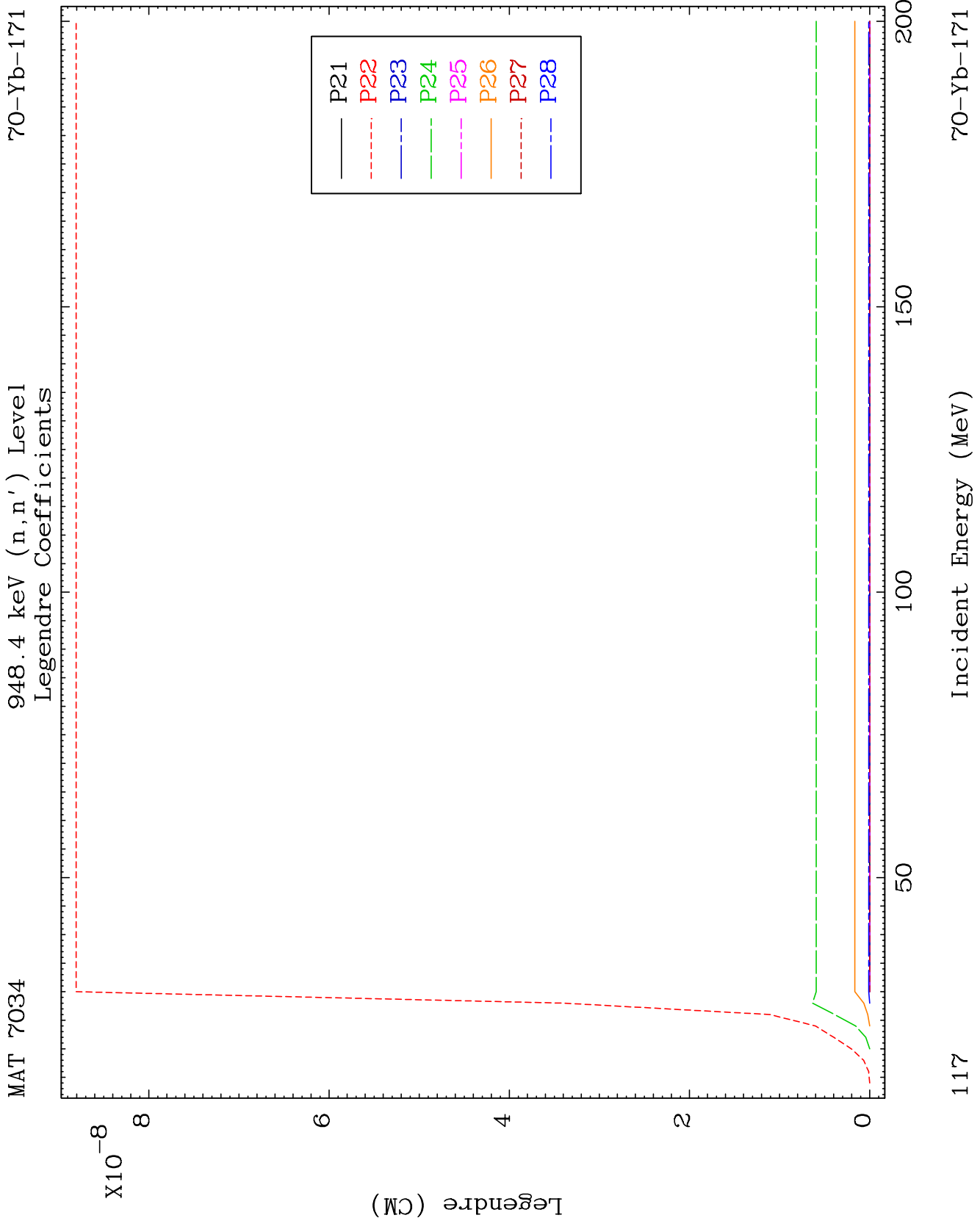










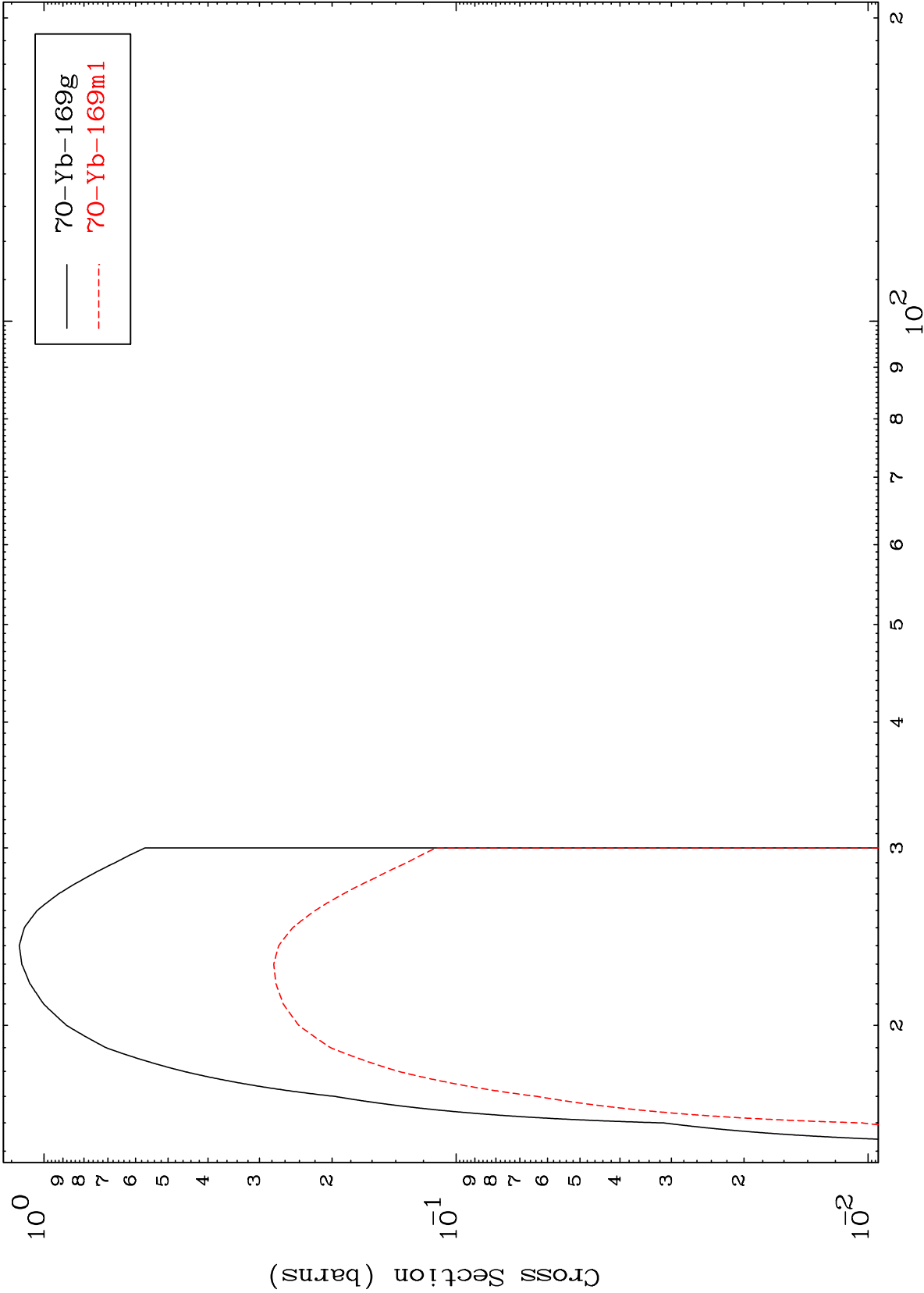


MAT 7034

(n,3n)

70-Yb-171

Radionuclide Production Cross Section



118

Incident Energy (MeV)

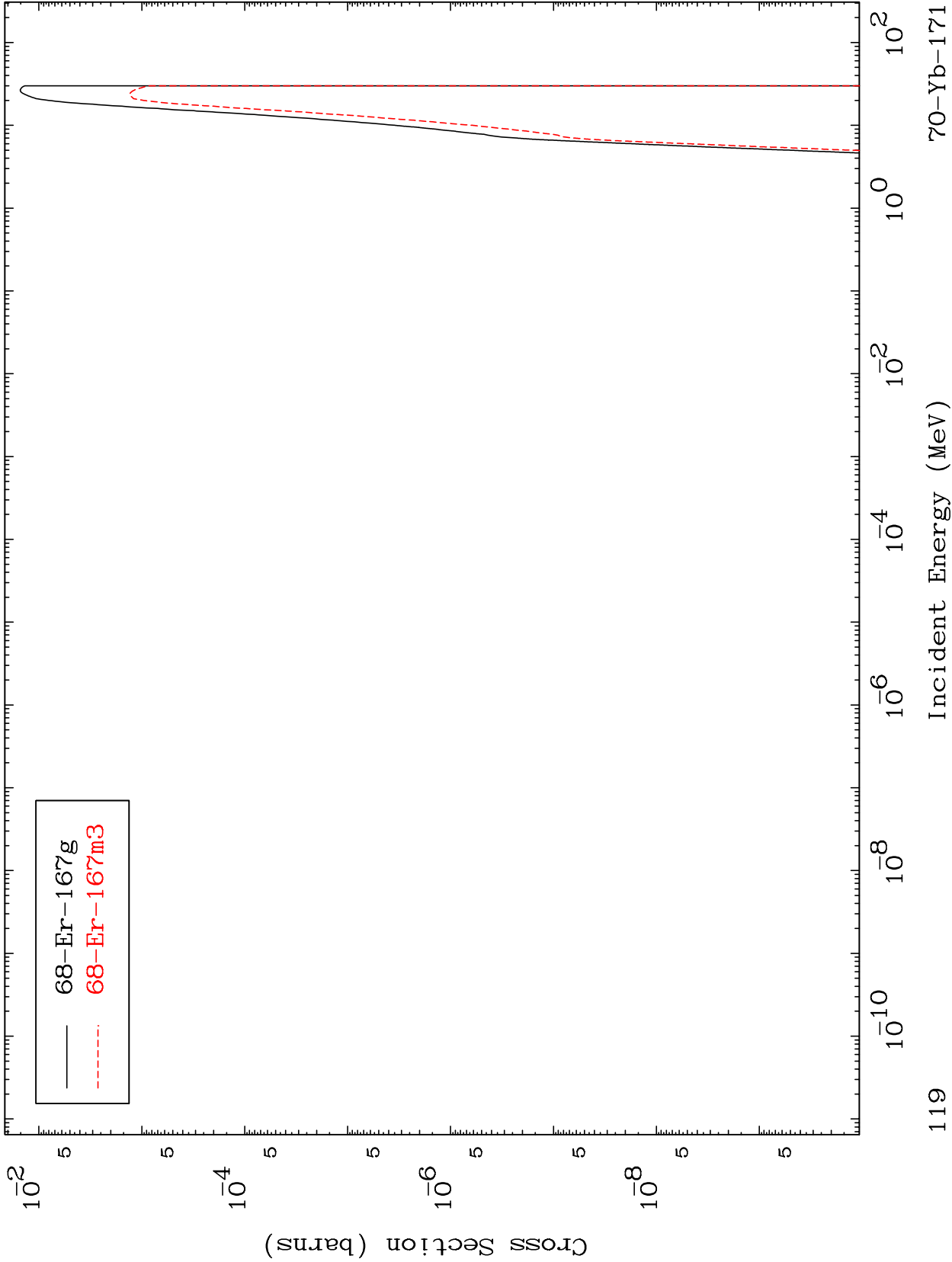
70-Yb-171

MAT 7034

$(n, n') \alpha$

70-Yb-171

Radionuclide Production Cross Section



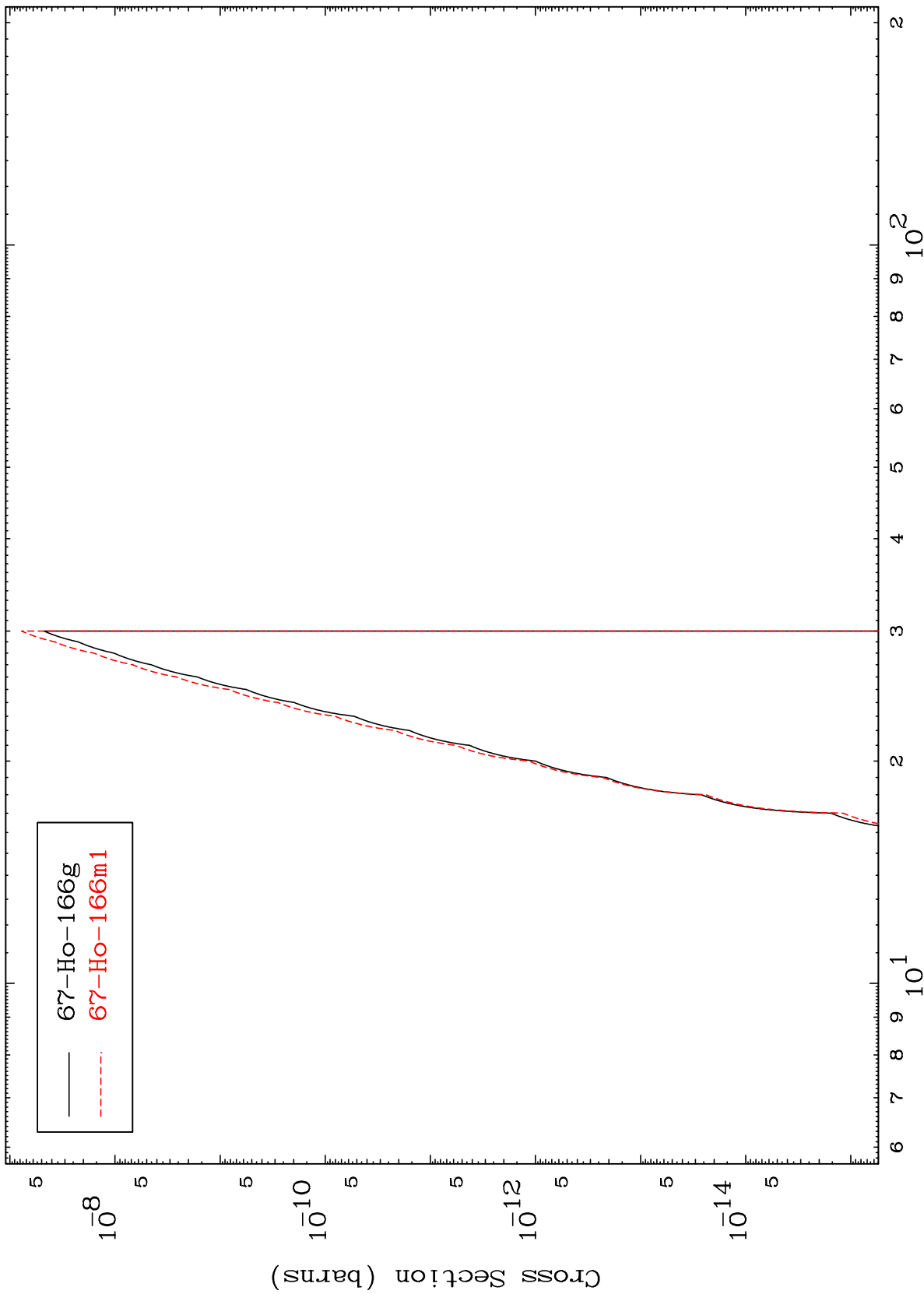
68-Er-167g
68-Er-167m3

MAT 7034

(n,n') p α

70-Yb-171

Radionuclide Production Cross Section



— $^{67}\text{Ho-166g}$
- - - $^{67}\text{Ho-166m1}$

120

Incident Energy (MeV)

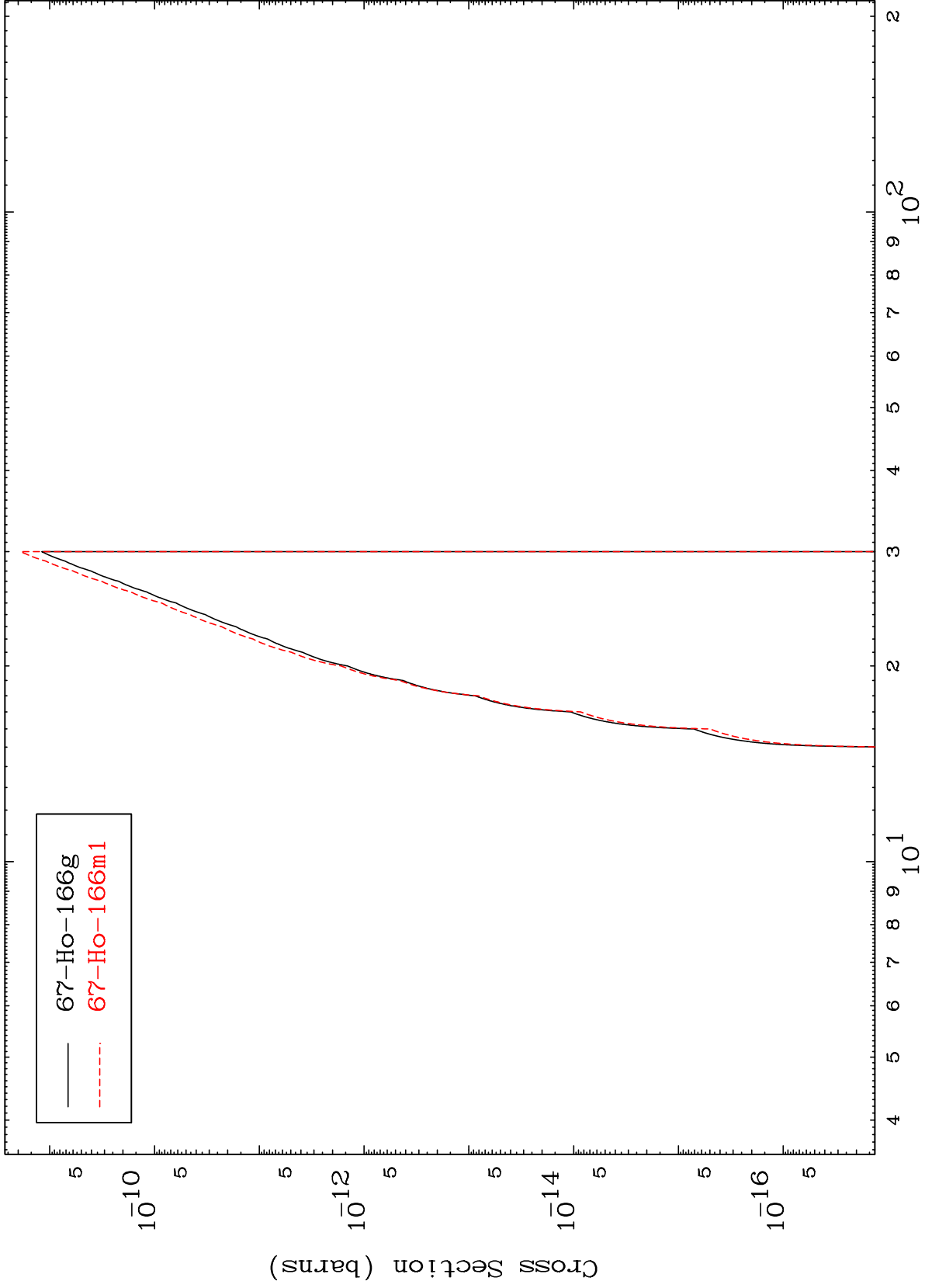
70-Yb-171

MAT 7034

(n,d) α

70-Yb-171

Radionuclide Production Cross Section



121

Incident Energy (MeV)

70-Yb-171