

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

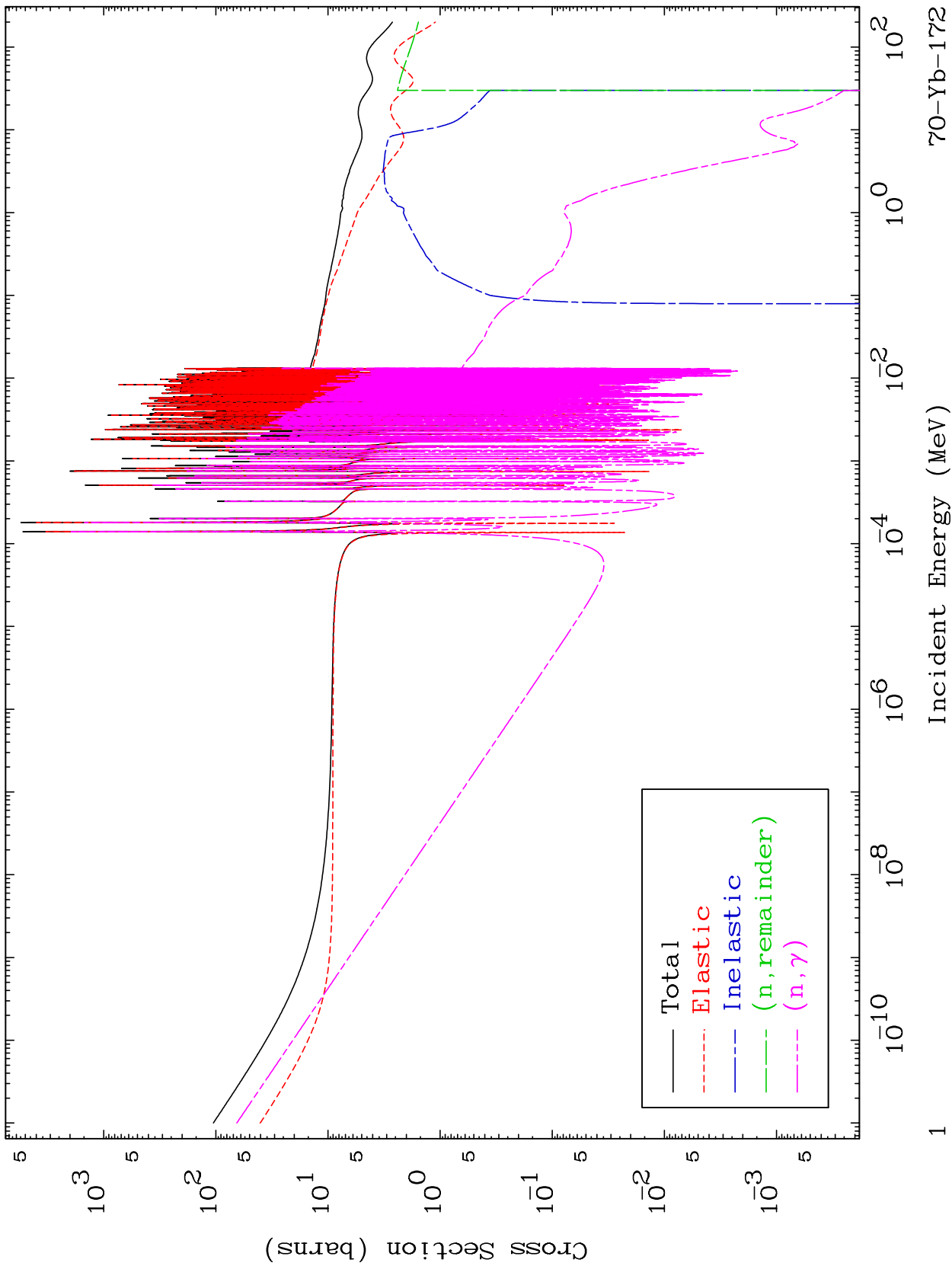
Press Mouse Button to Start

MAT 7037

Major

293 Kelvin Cross Sections

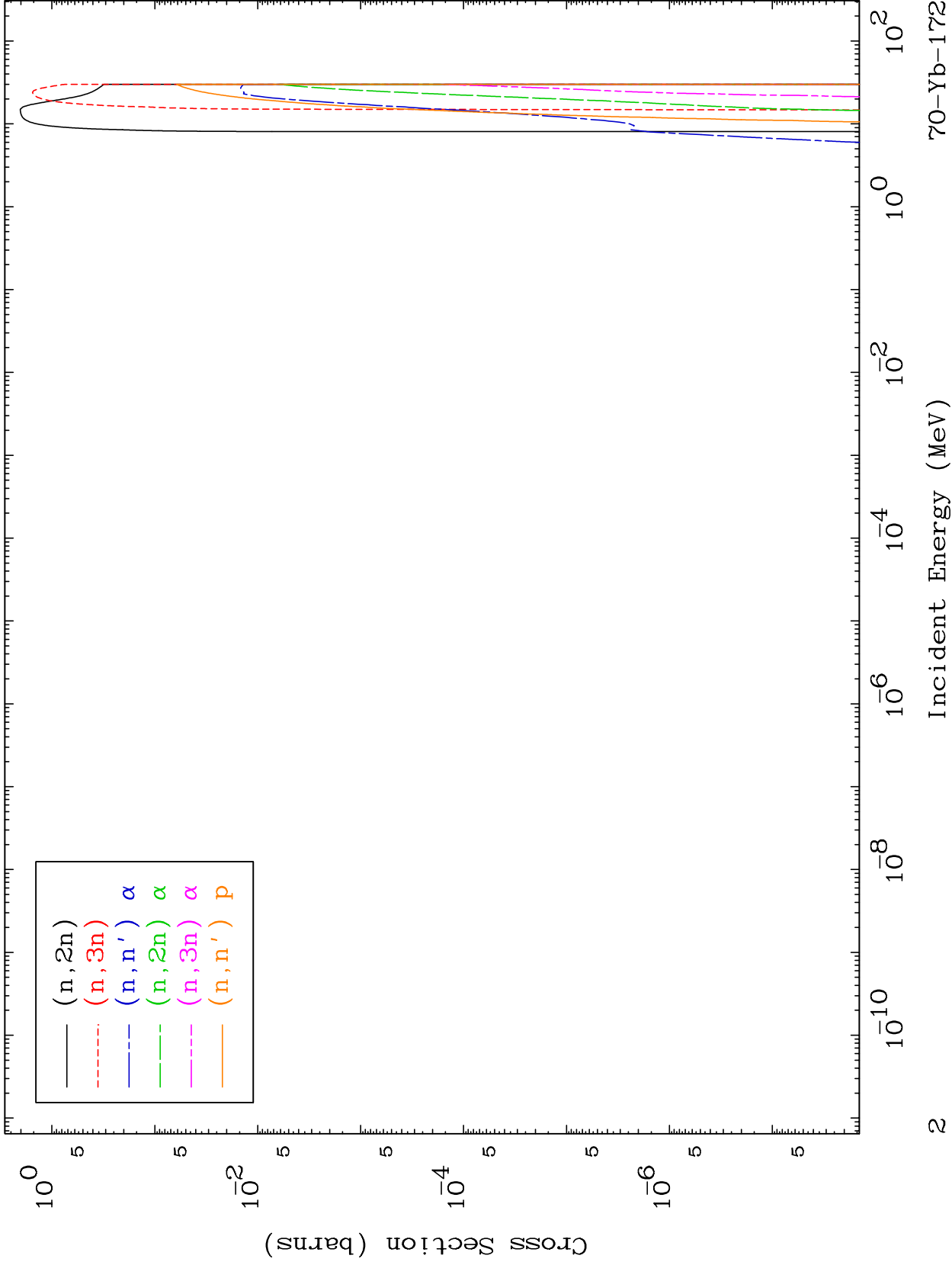
70-Yb-172

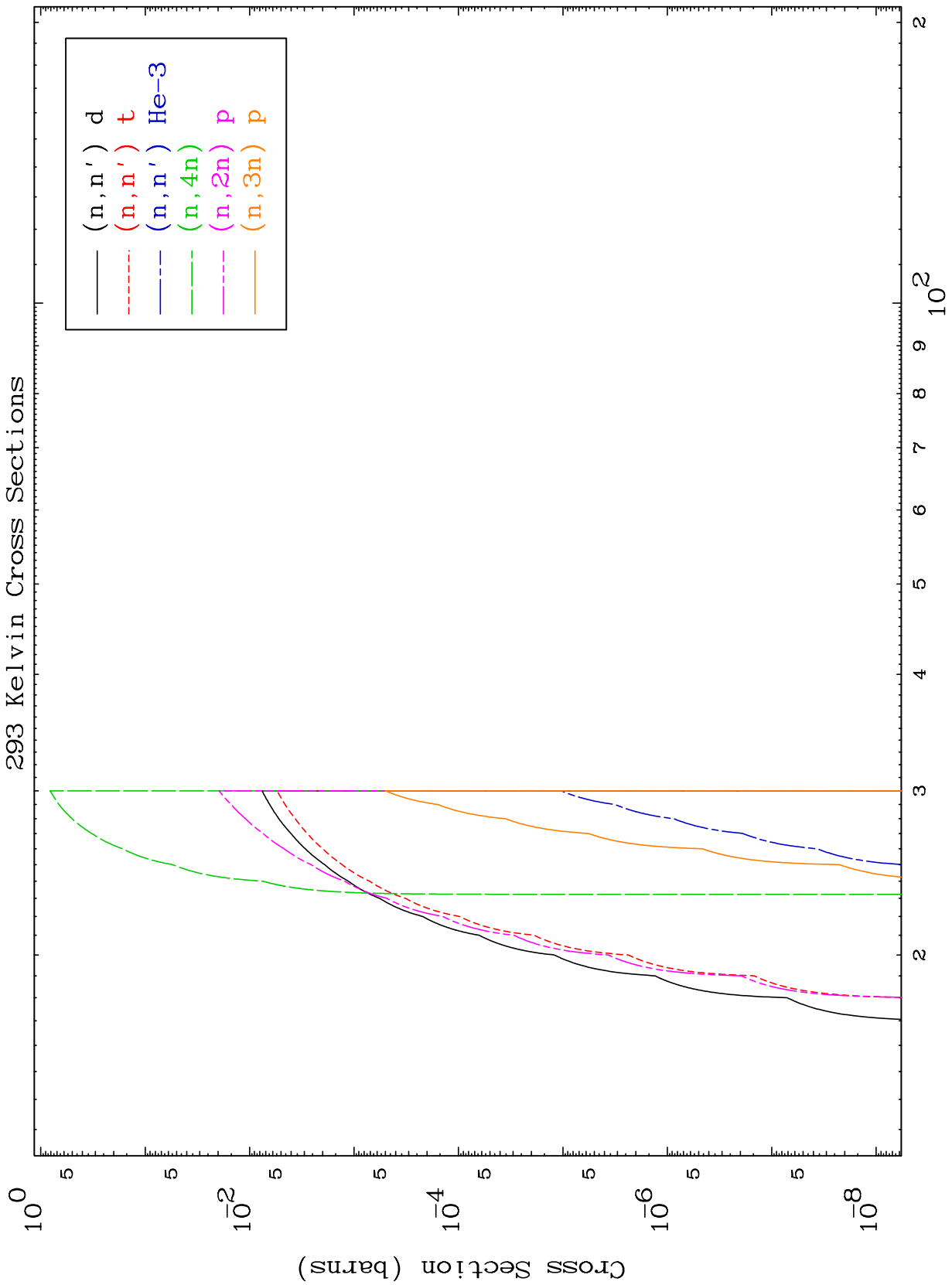


MAT 7037

Neutron Production
293 Kelvin Cross Sections

70-Yb-172

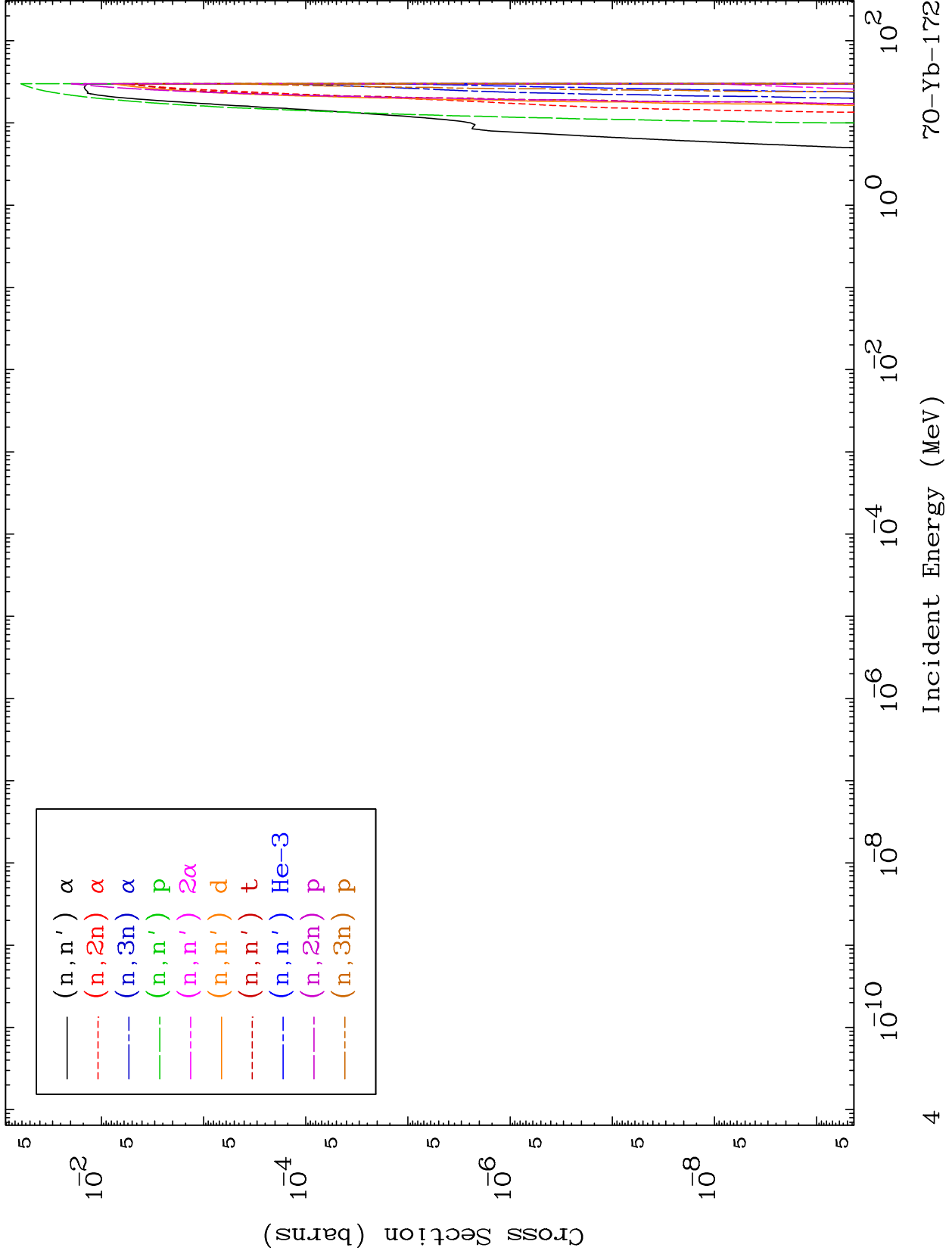




MAT 7037

Charged Particle
293 Kelvin Cross Sections

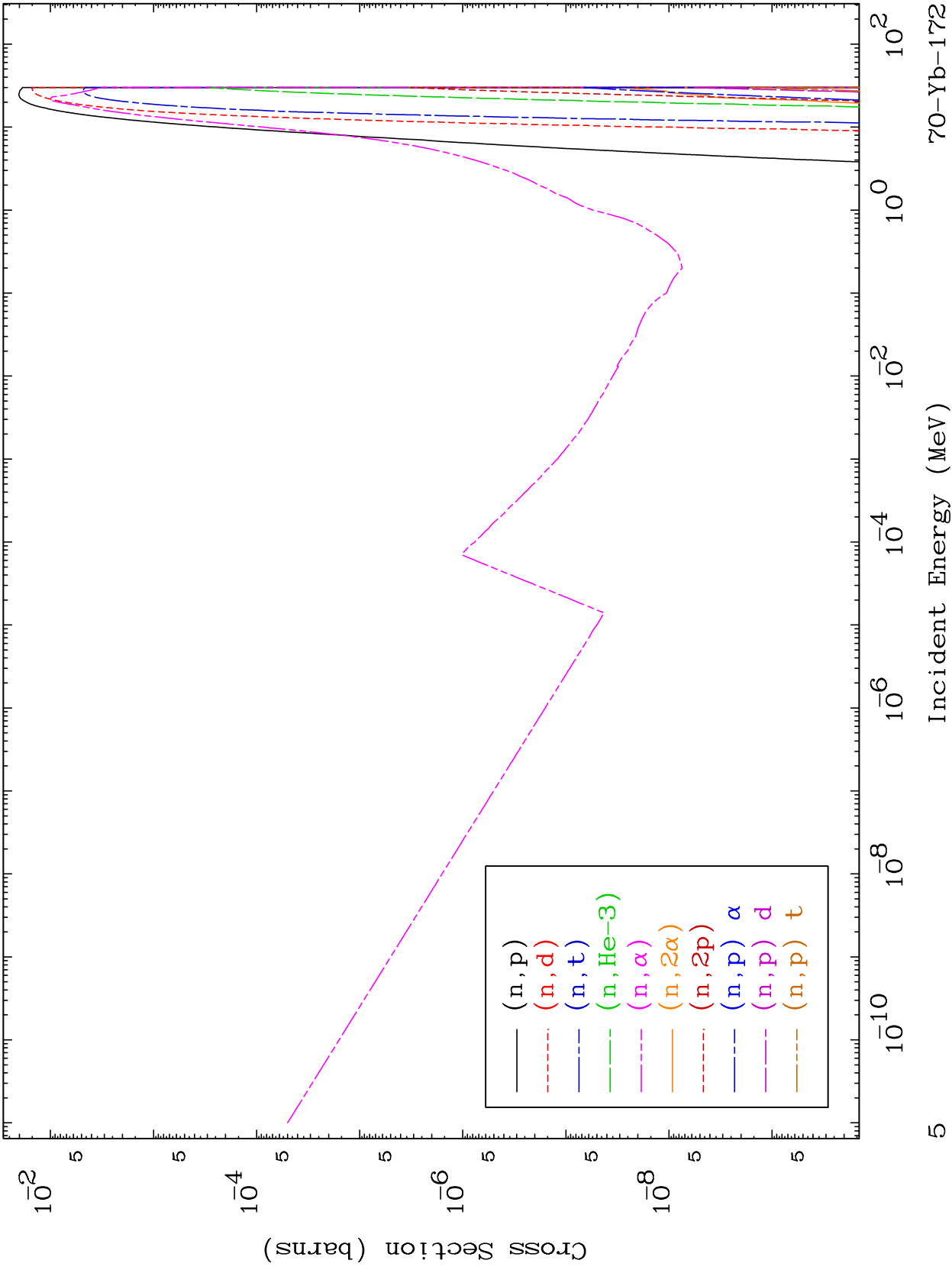
70-Yb-172



MAT 7037

Charged Particle
293 Kelvin Cross Sections

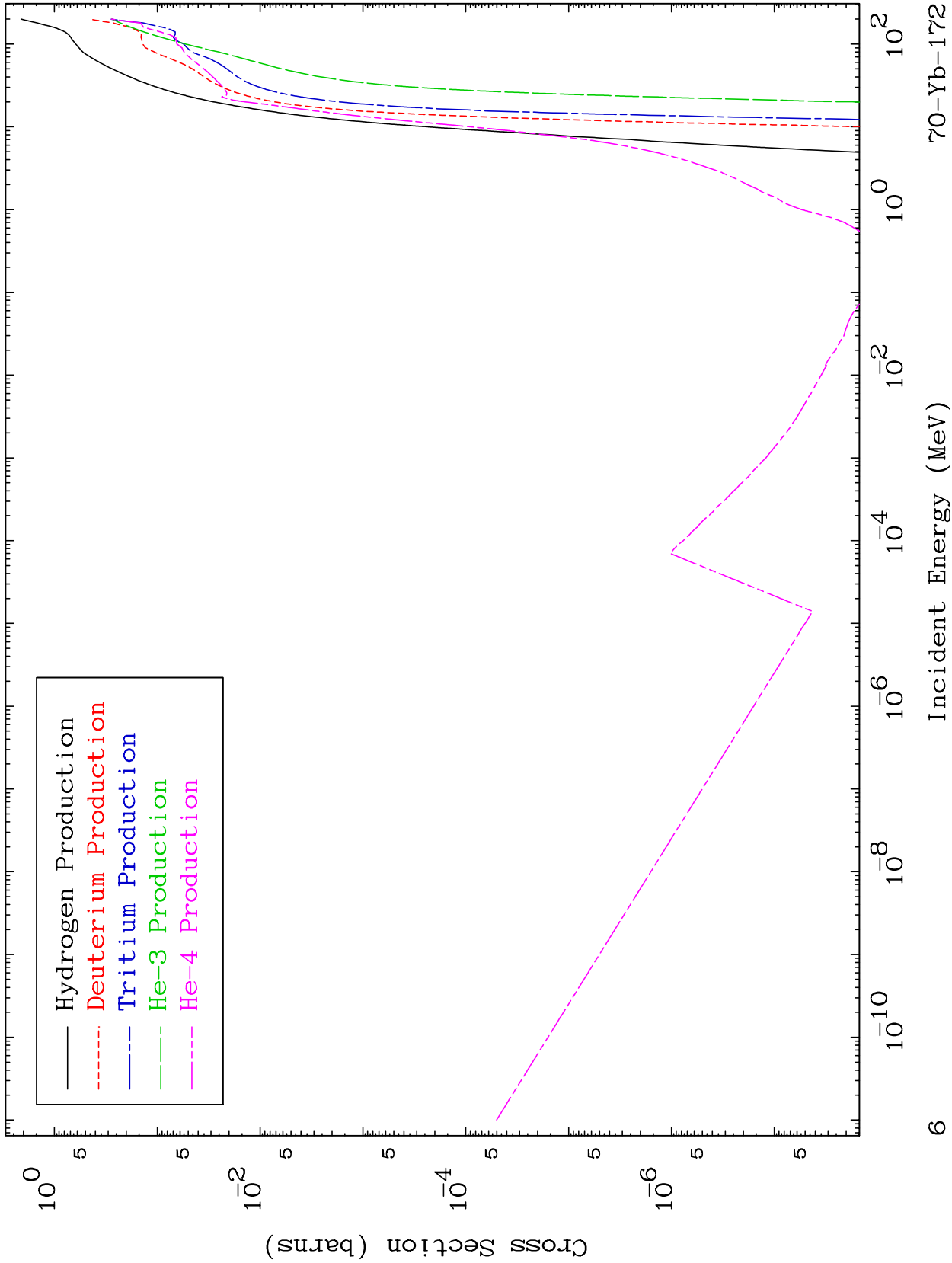
70-Yb-172



MAT 7037

Particle Production
293 Kelvin Cross Sections

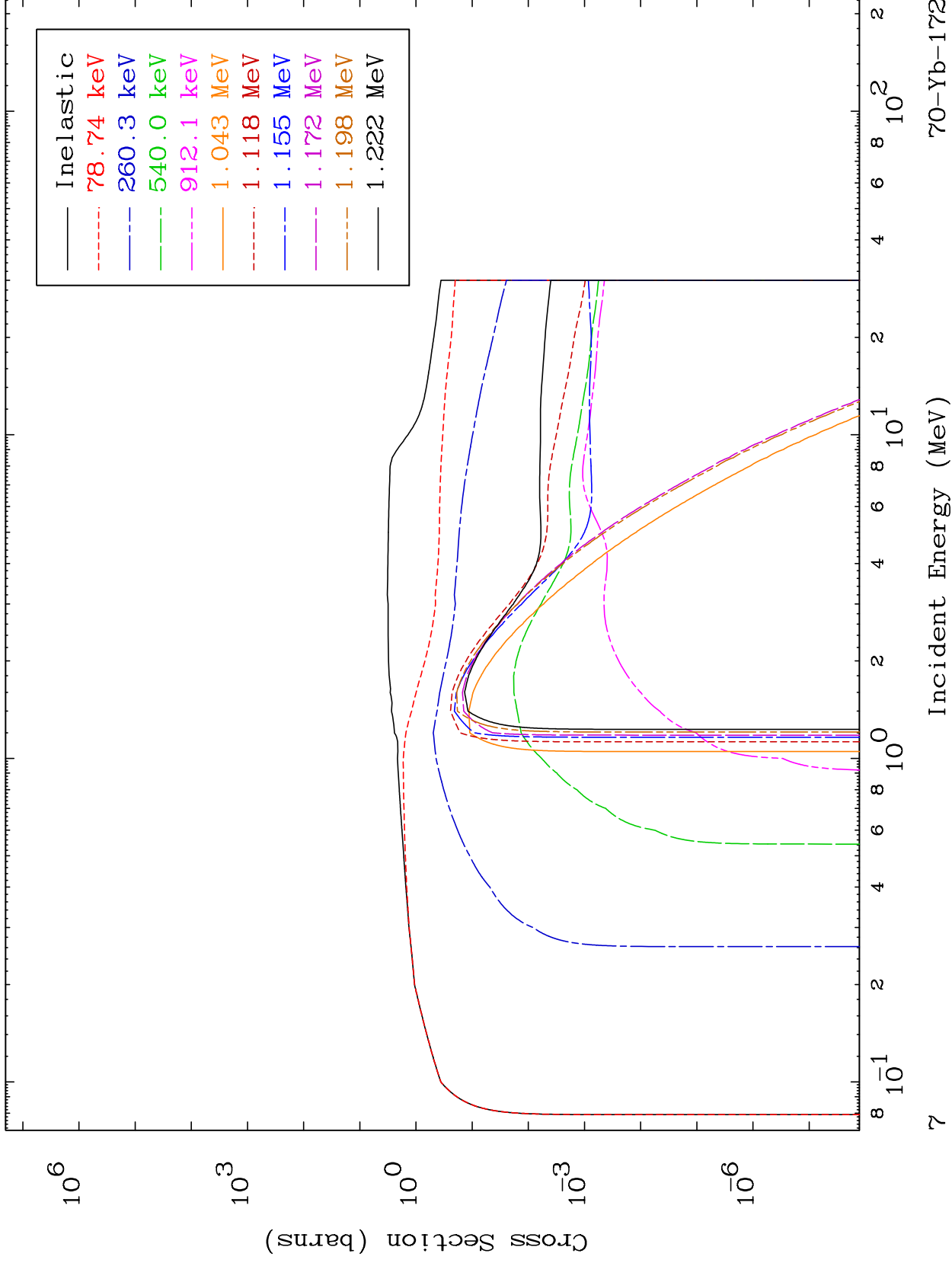
70-Yb-172



MAT 7037

(n,n') Level
293 Kelvin Cross Sections

70-Yb-172



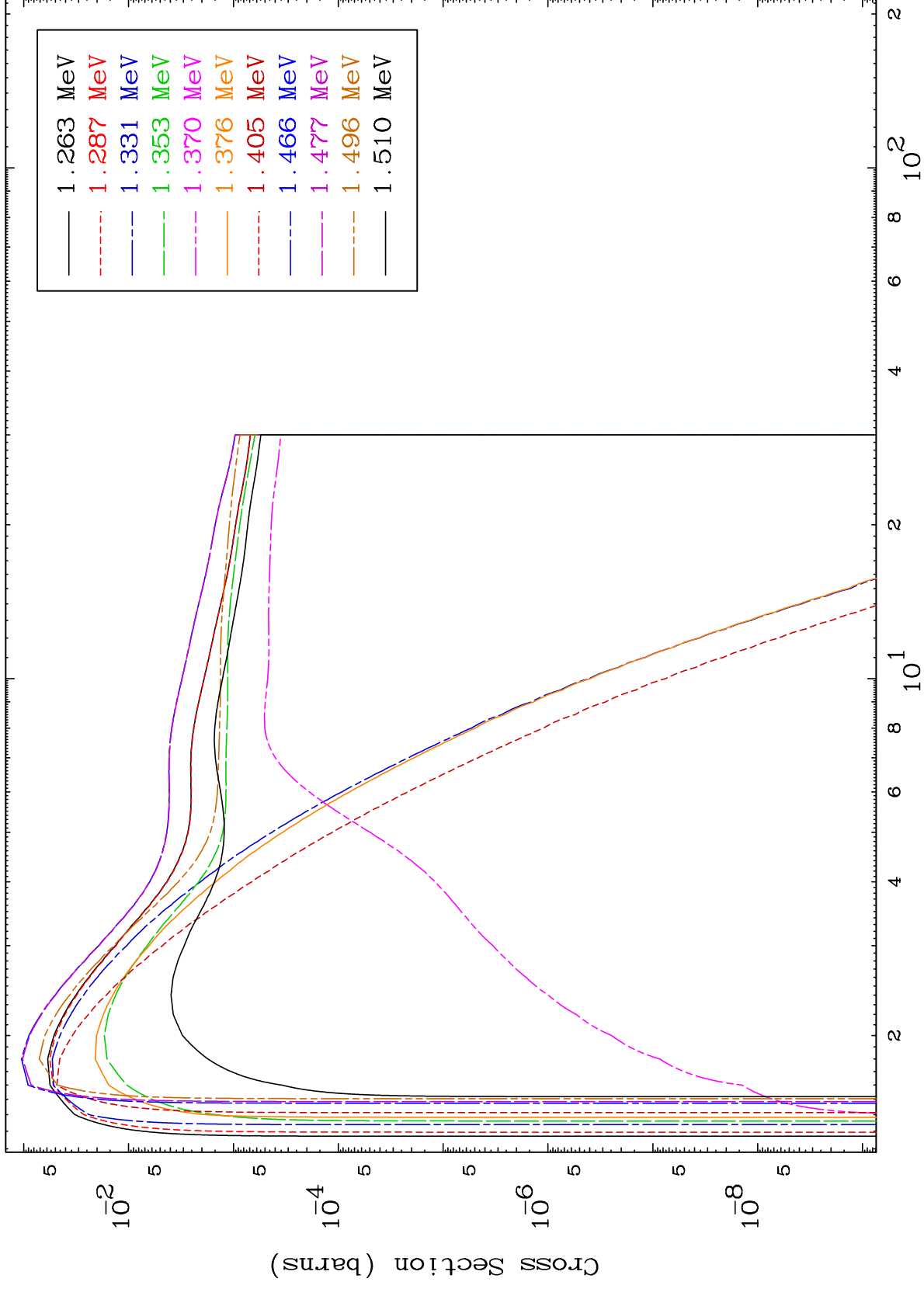
7

70-Yb-172

MAT 7037

(n,n') Level
293 Kelvin Cross Sections

70-Yb-172



8

Incident Energy (MeV)

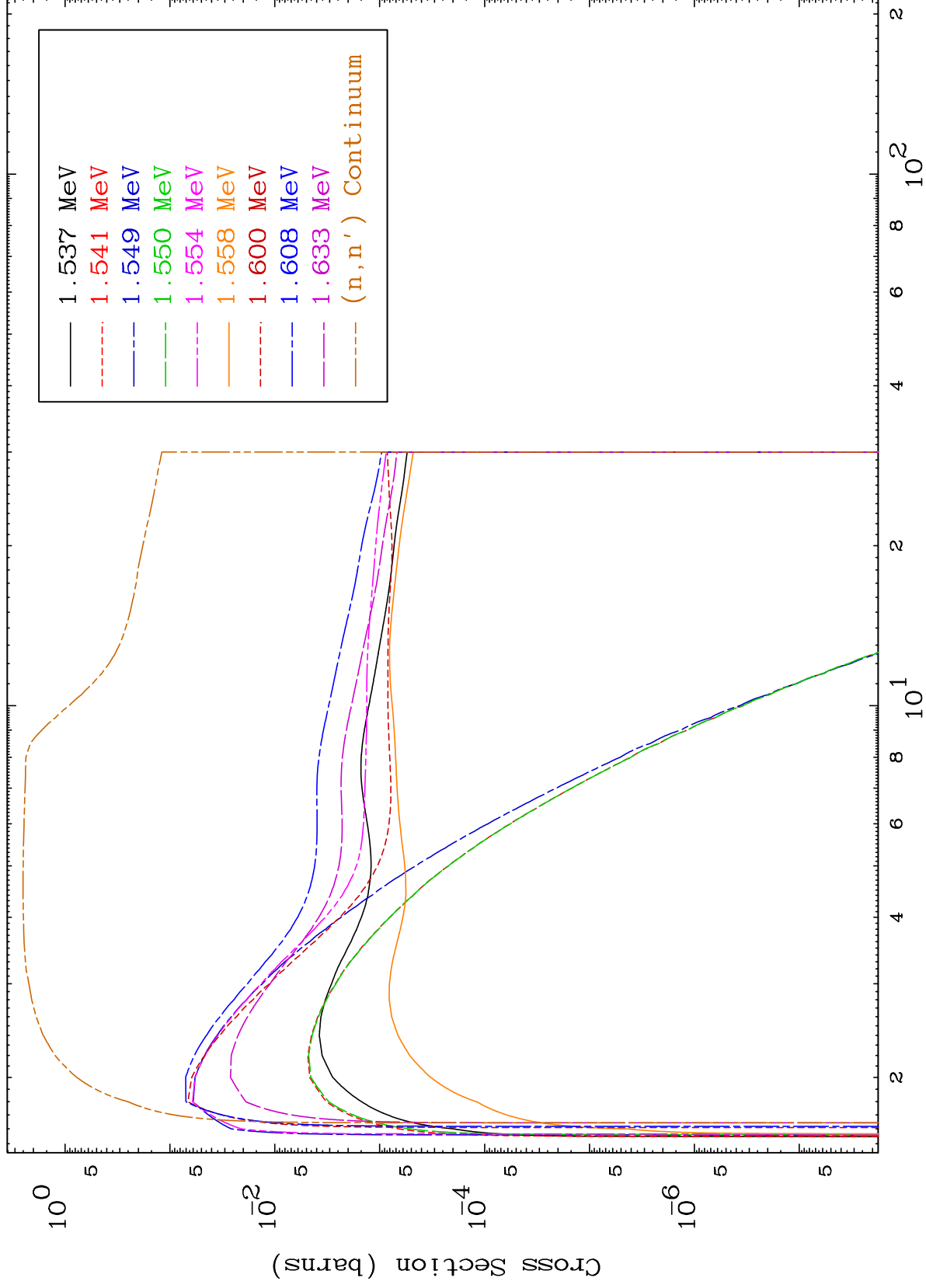
70-Yb-172

MAT 7037

(n,n') Level

70-Yb-172

293 Kelvin Cross Sections



9

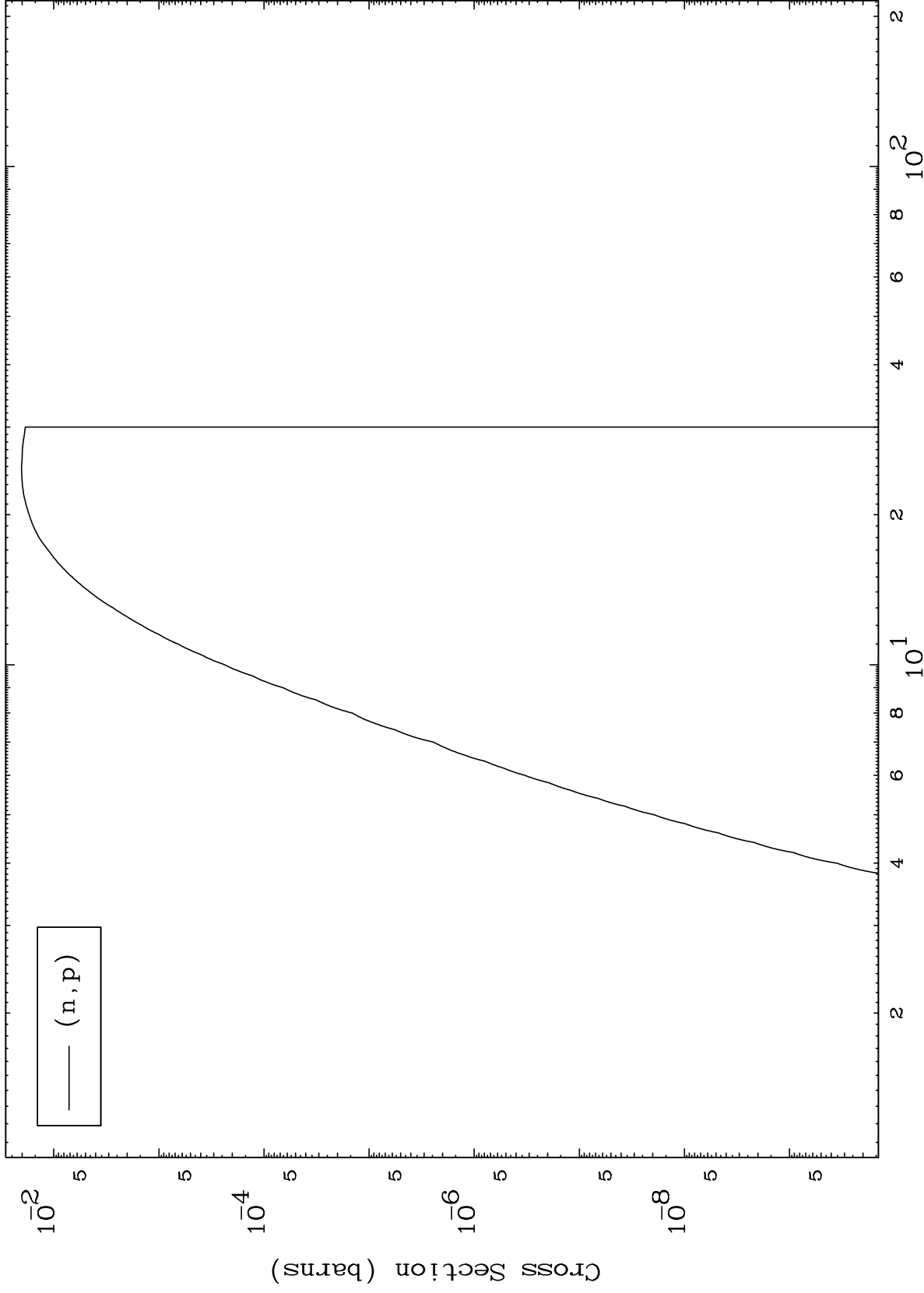
Incident Energy (MeV)

70-Yb-172

MAT 7037

(n,p) Levels
293 Kelvin Cross Sections

70-Yb-172



10

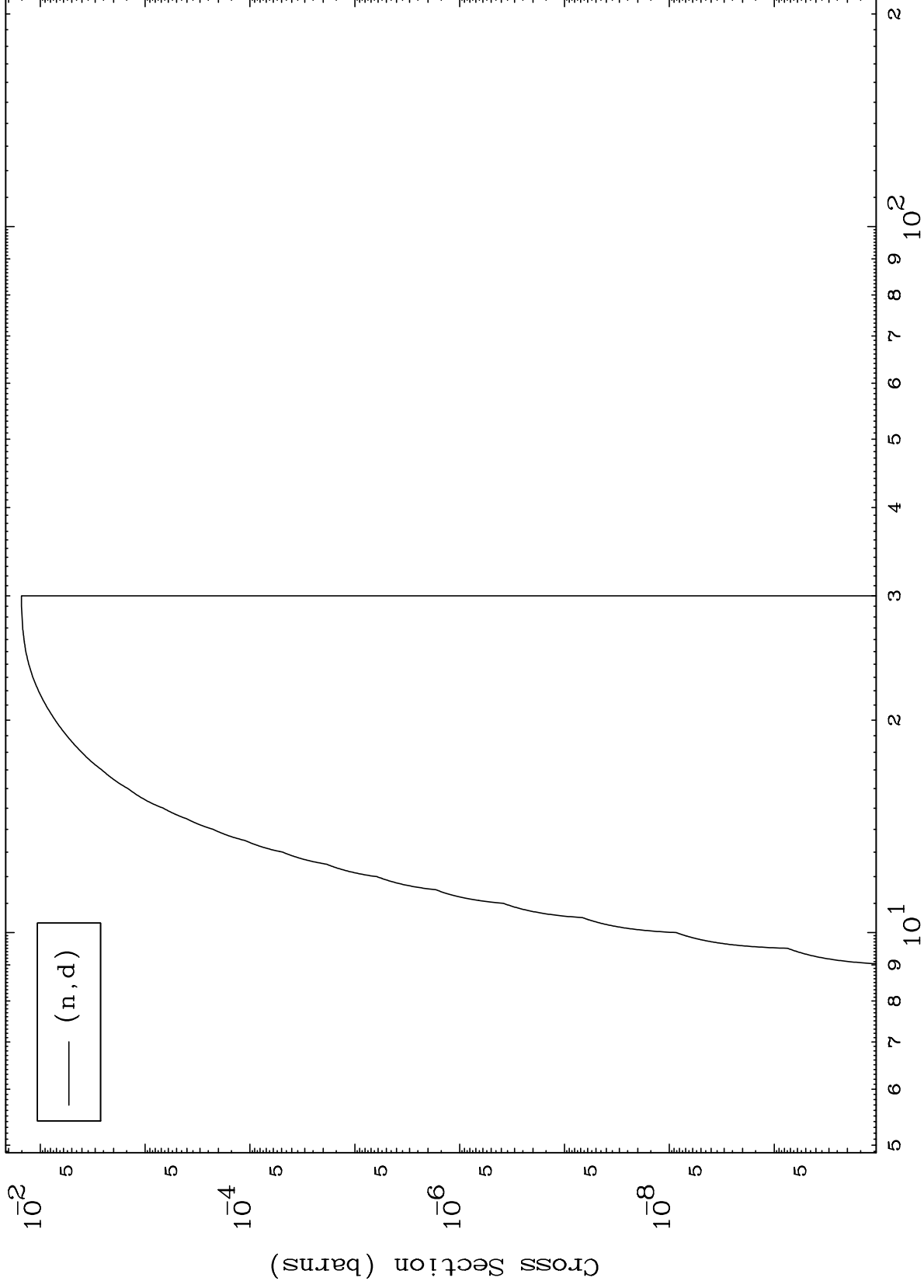
Incident Energy (MeV)

70-Yb-172

MAT 7037

(n,d) Levels
293 Kelvin Cross Sections

70-Yb-172



11

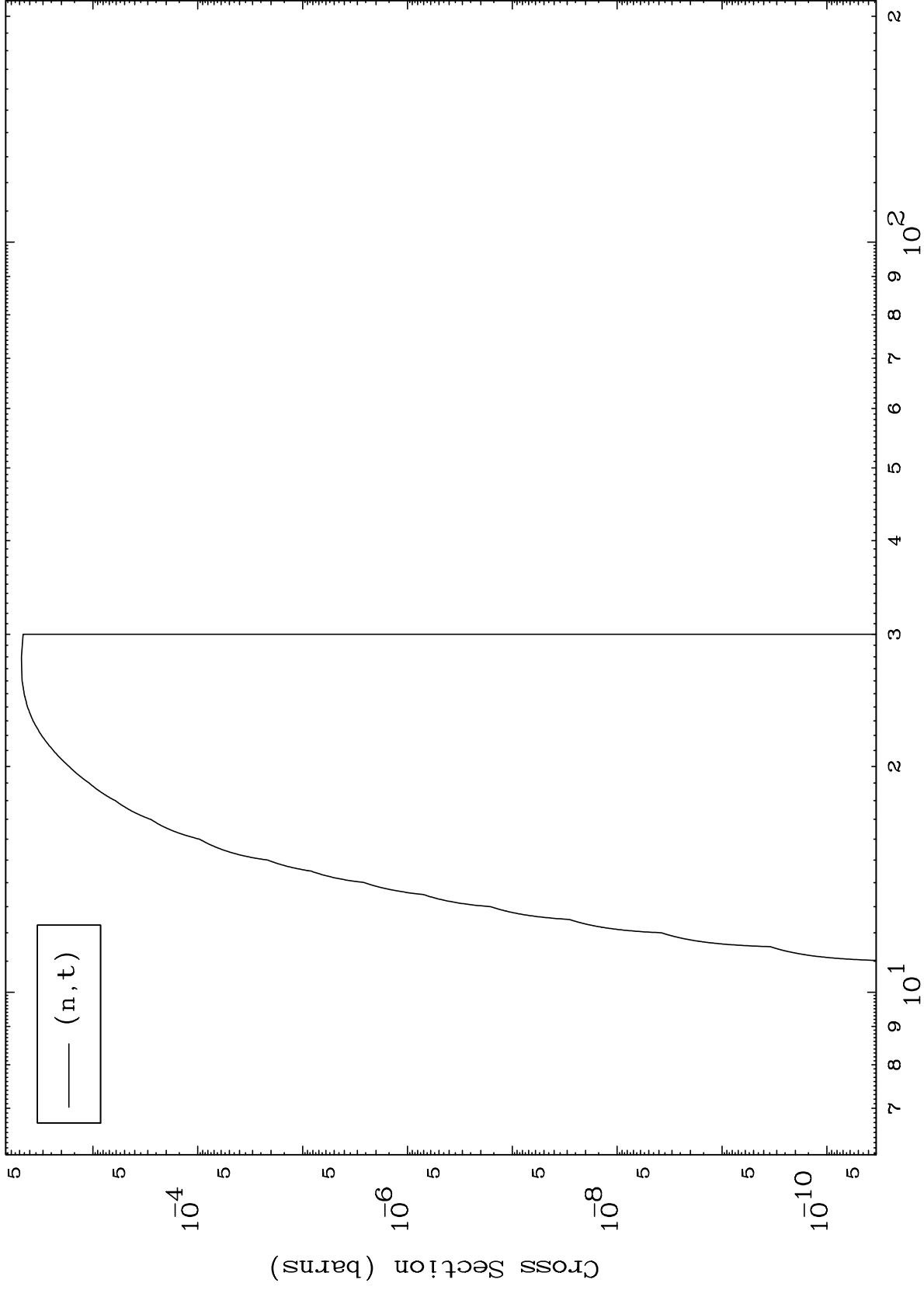
Incident Energy (MeV)

70-Yb-172

MAT 7037

(n,t) Levels
293 Kelvin Cross Sections

70-Yb-172



12

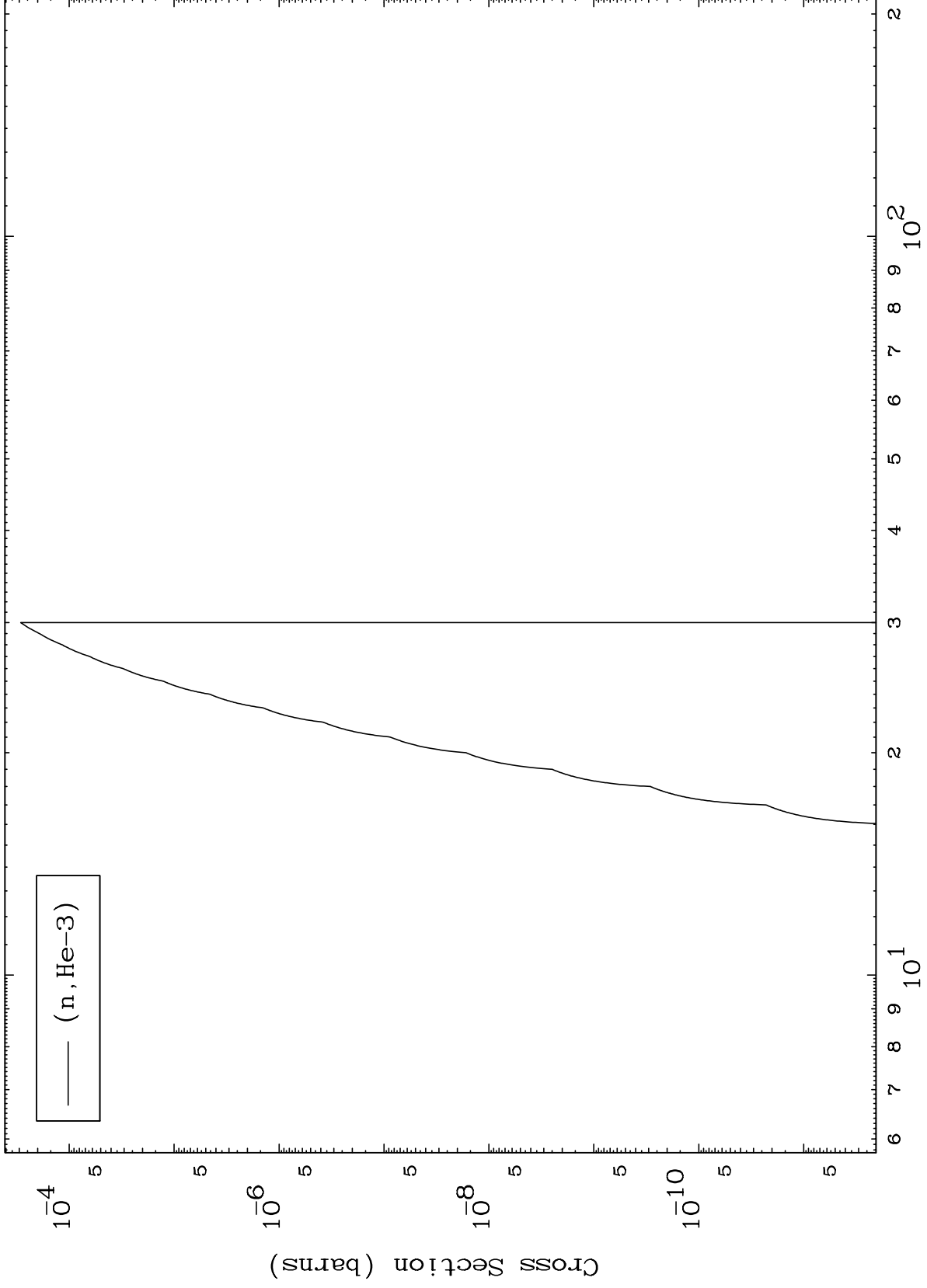
Incident Energy (MeV)

70-Yb-172

MAT 7037

(n,He3) Levels
293 Kelvin Cross Sections

70-Yb-172



13

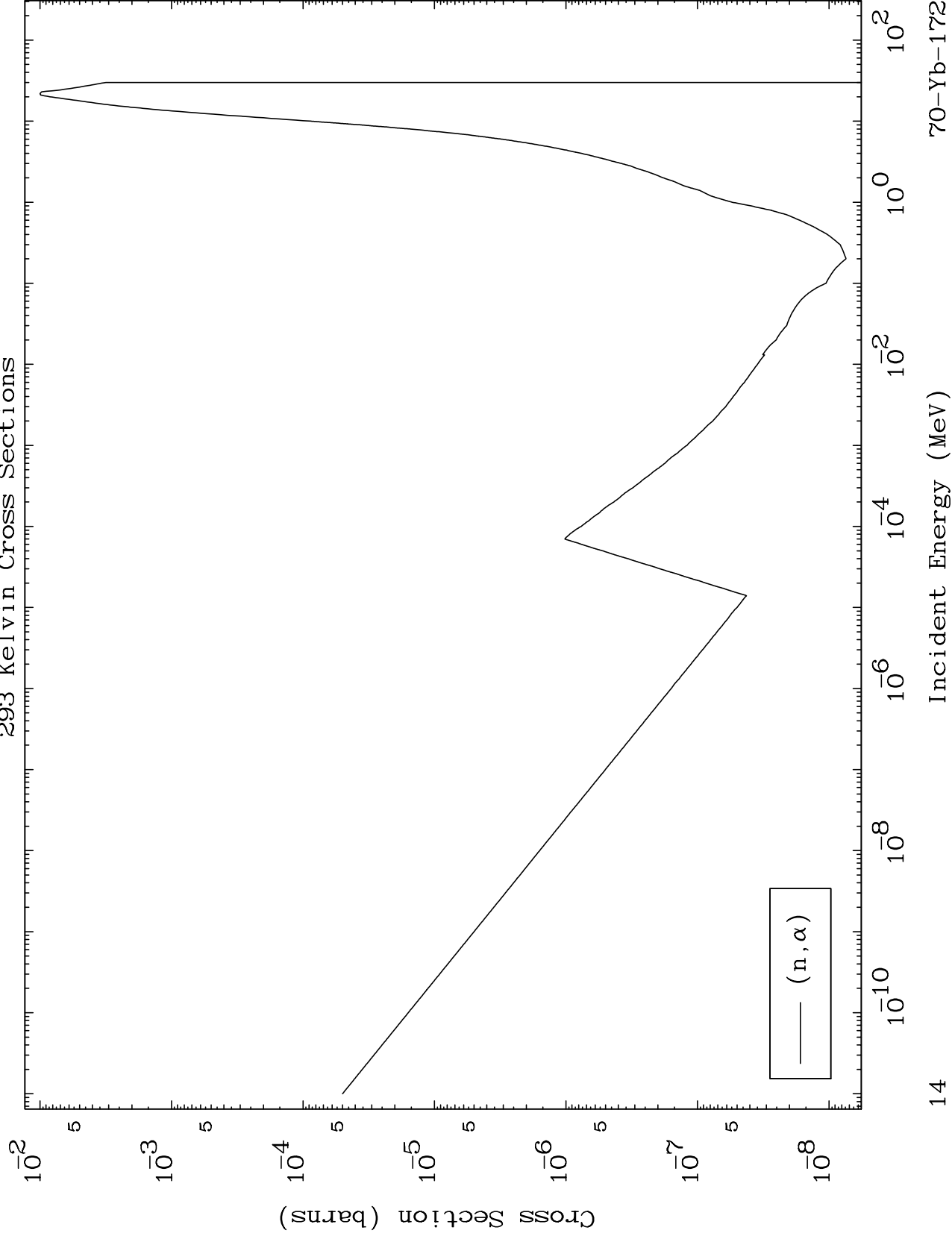
Incident Energy (MeV)

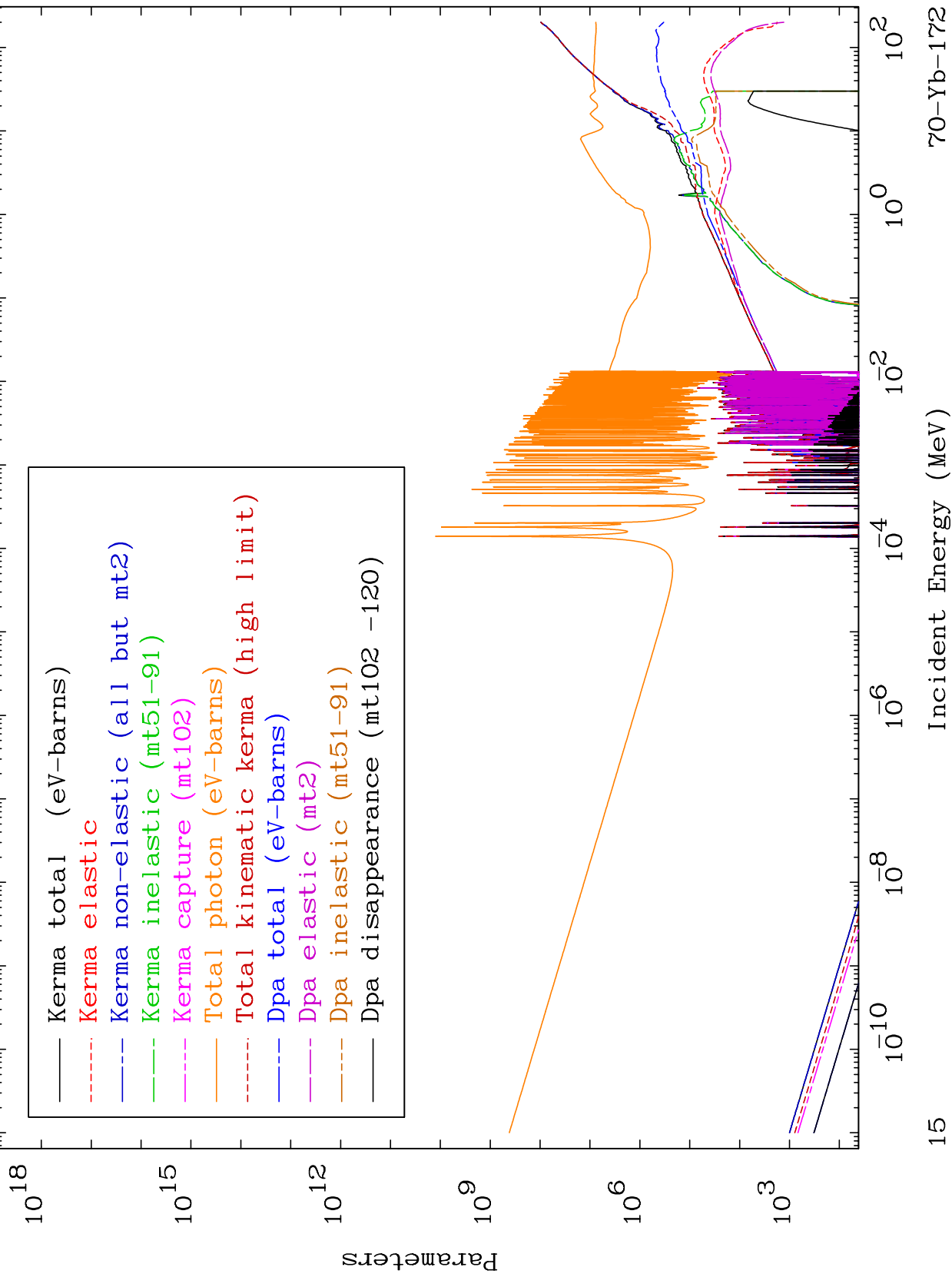
70-Yb-172

MAT 7037

(n,α) Levels
293 Kelvin Cross Sections

70-Yb-172

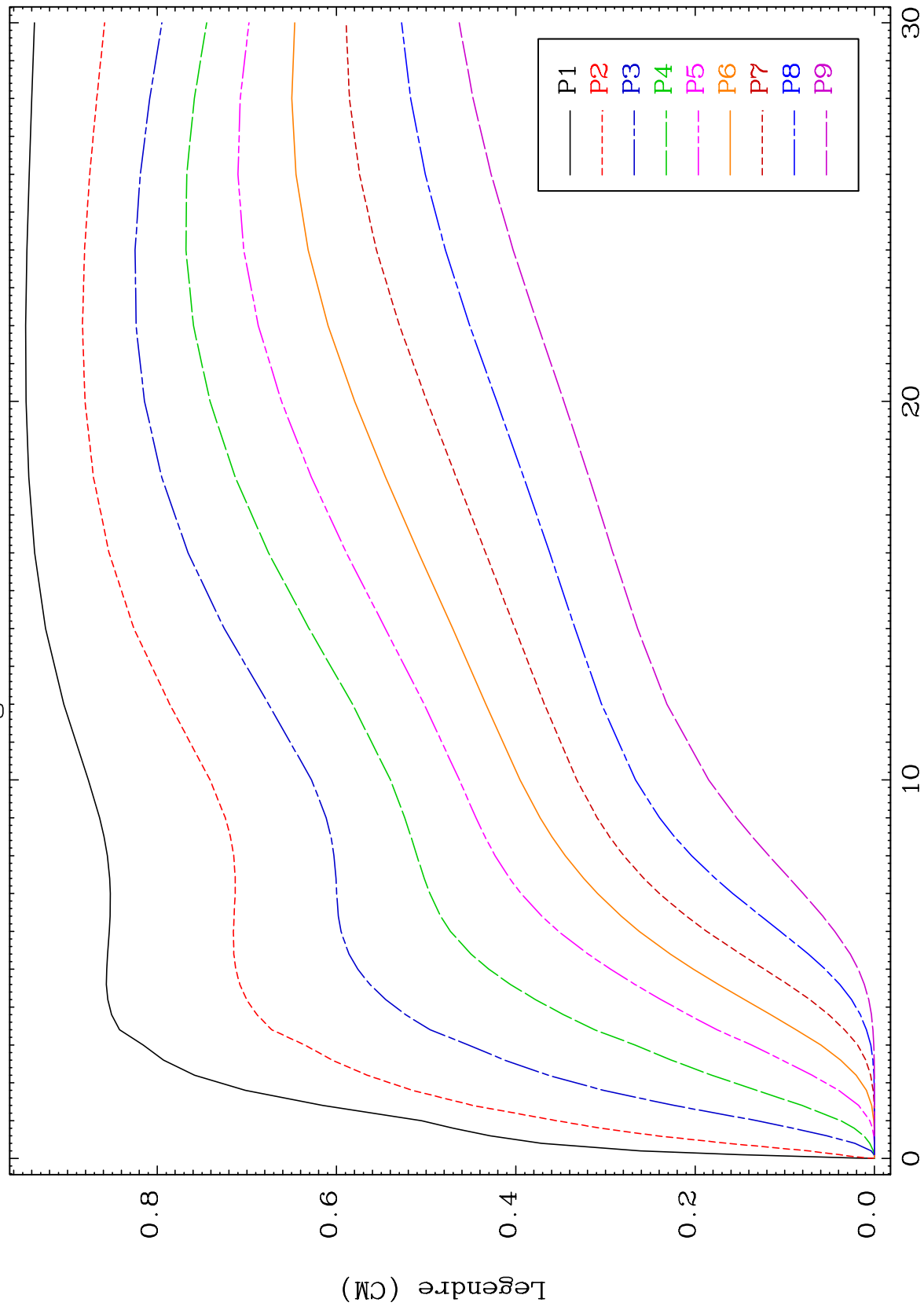




MAT 7037

Elastic Legendre Coefficients

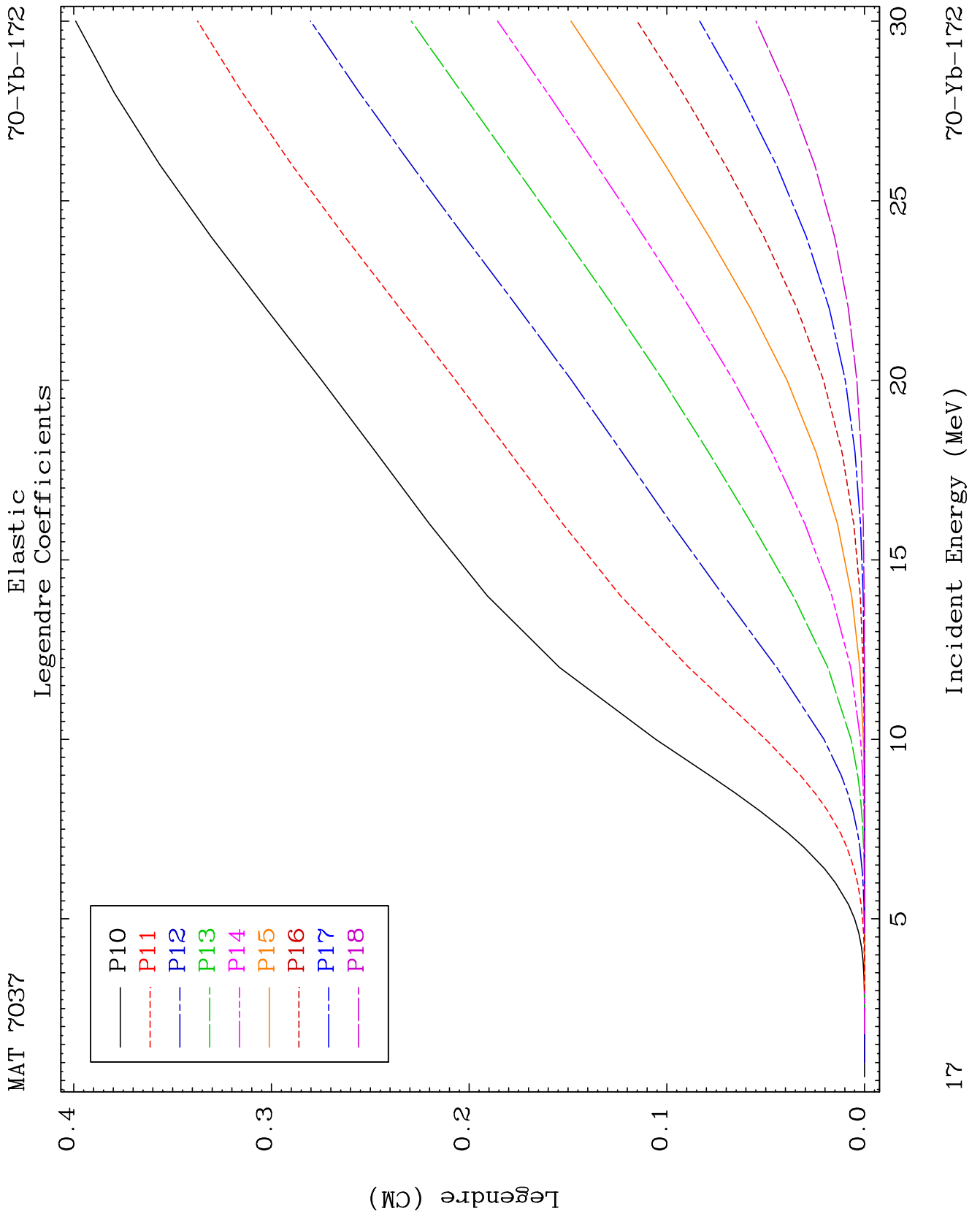
70-Yb-172



16

Incident Energy (MeV)

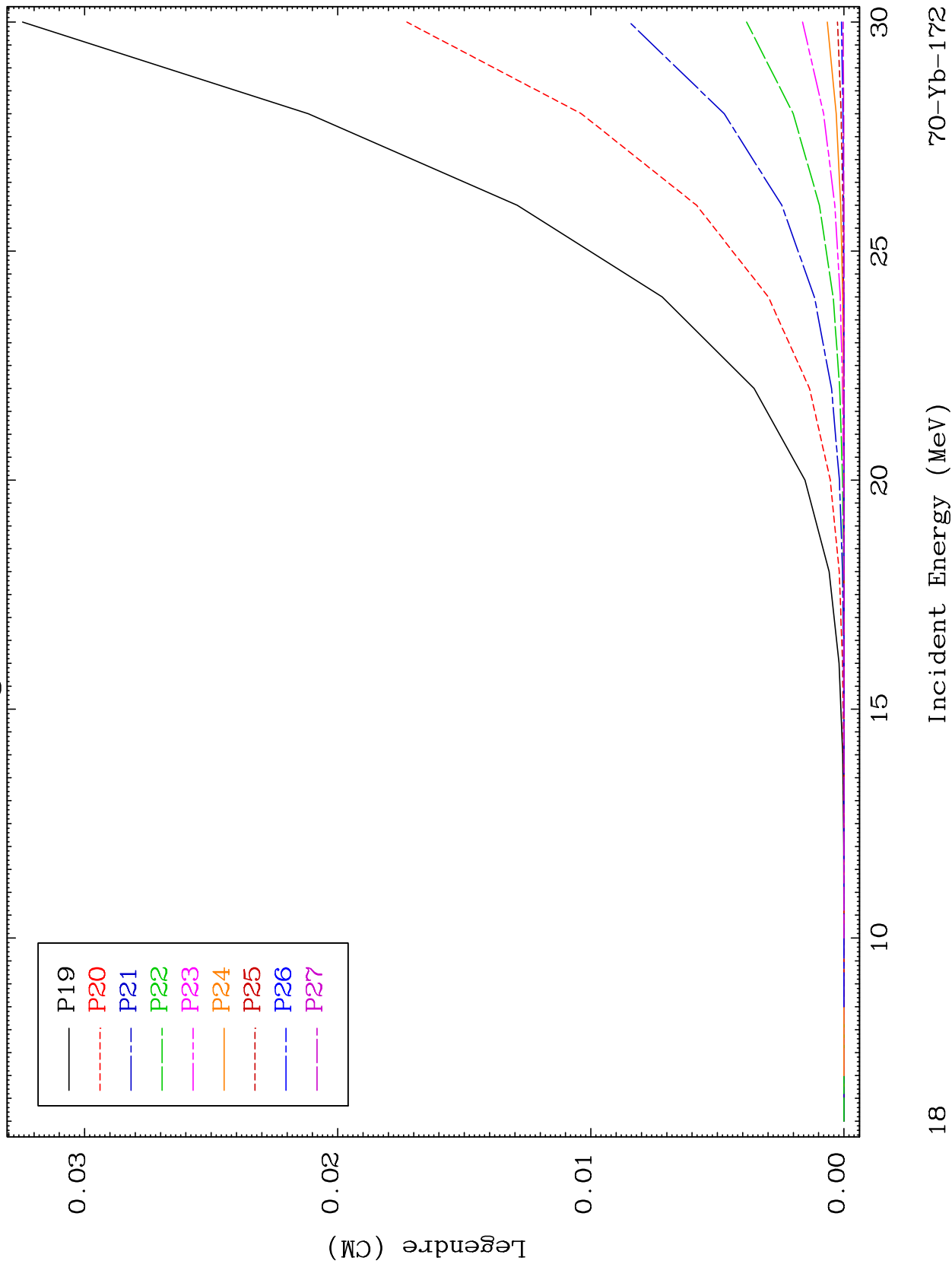
70-Yb-172



MAT 7037

Elastic Legendre Coefficients

70-Yb-172



18

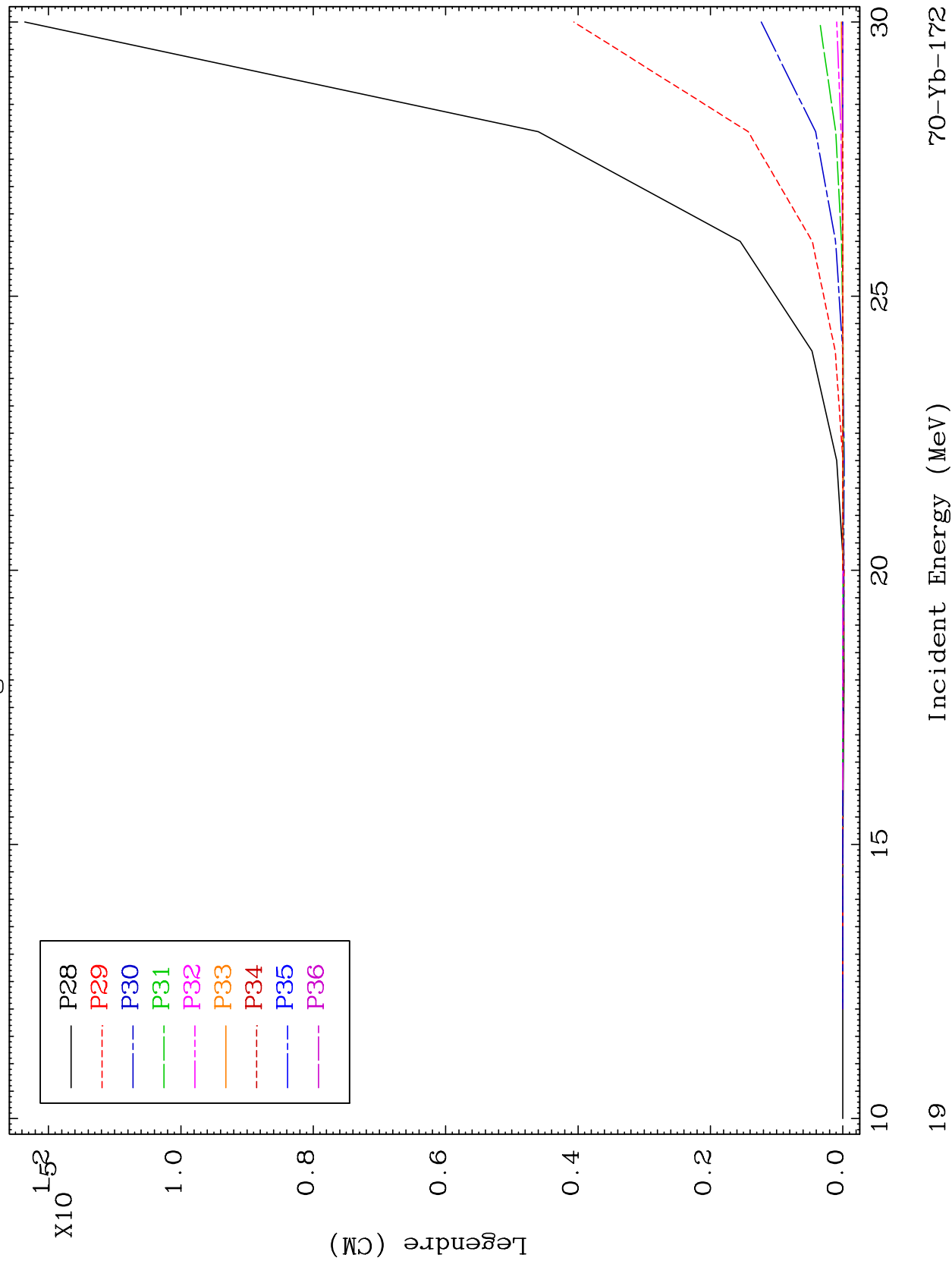
Incident Energy (MeV)

70-Yb-172

MAT 7037

Elastic Legendre Coefficients

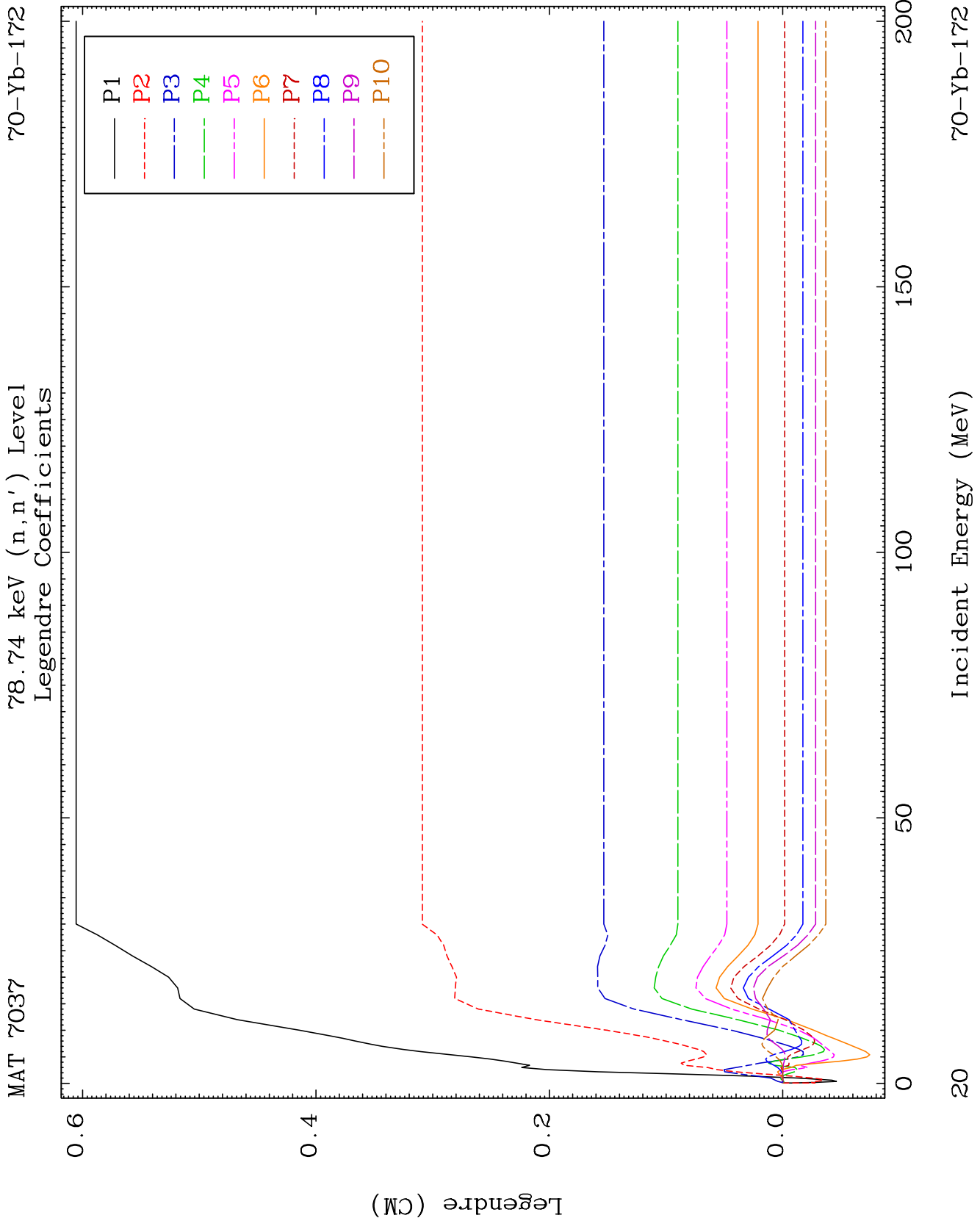
70-Yb-172



19

Incident Energy (MeV)

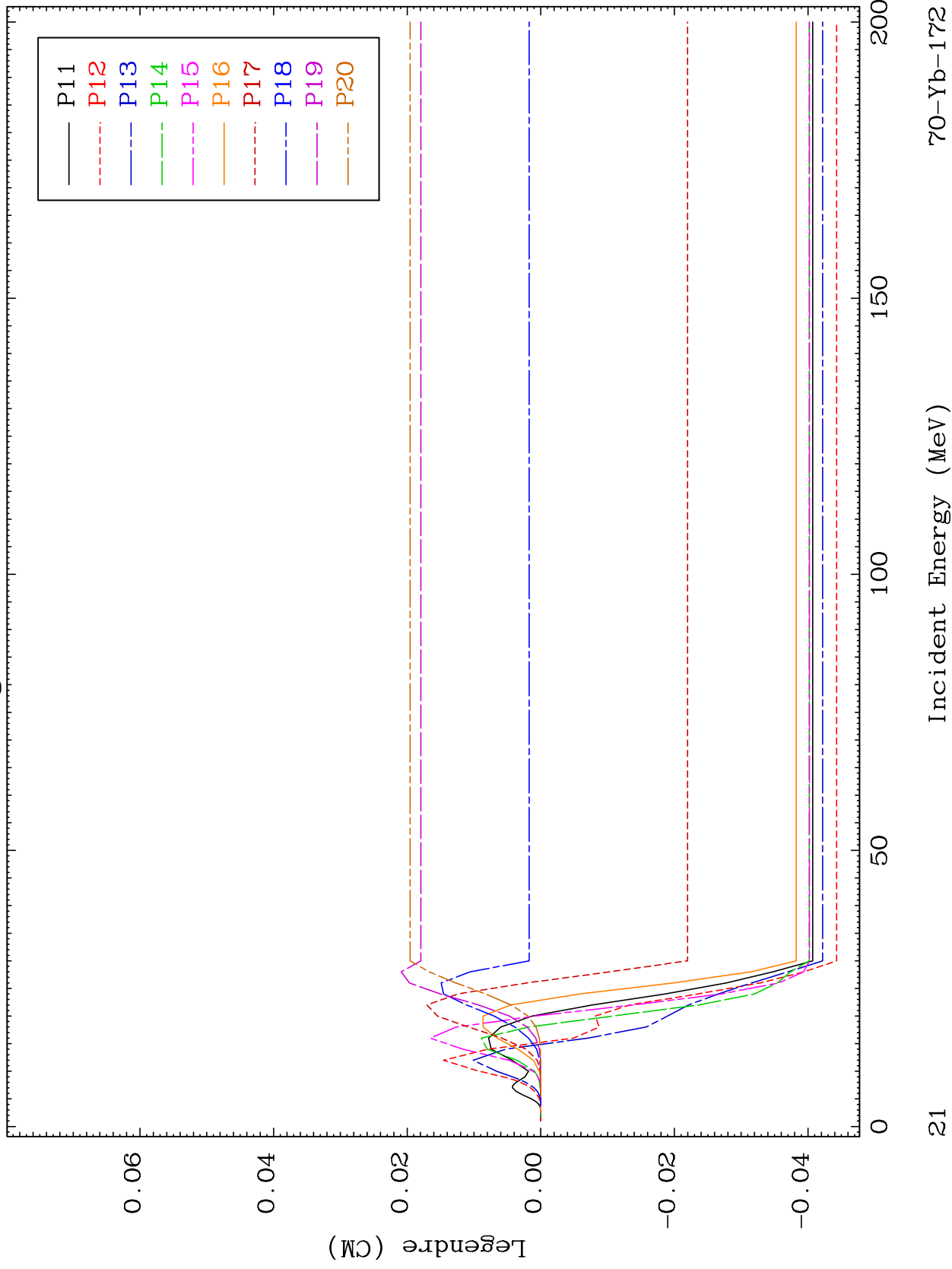
70-Yb-172



MAT 7037

78.74 keV (n,n') Level
Legendre Coefficients

70-Yb-172



21

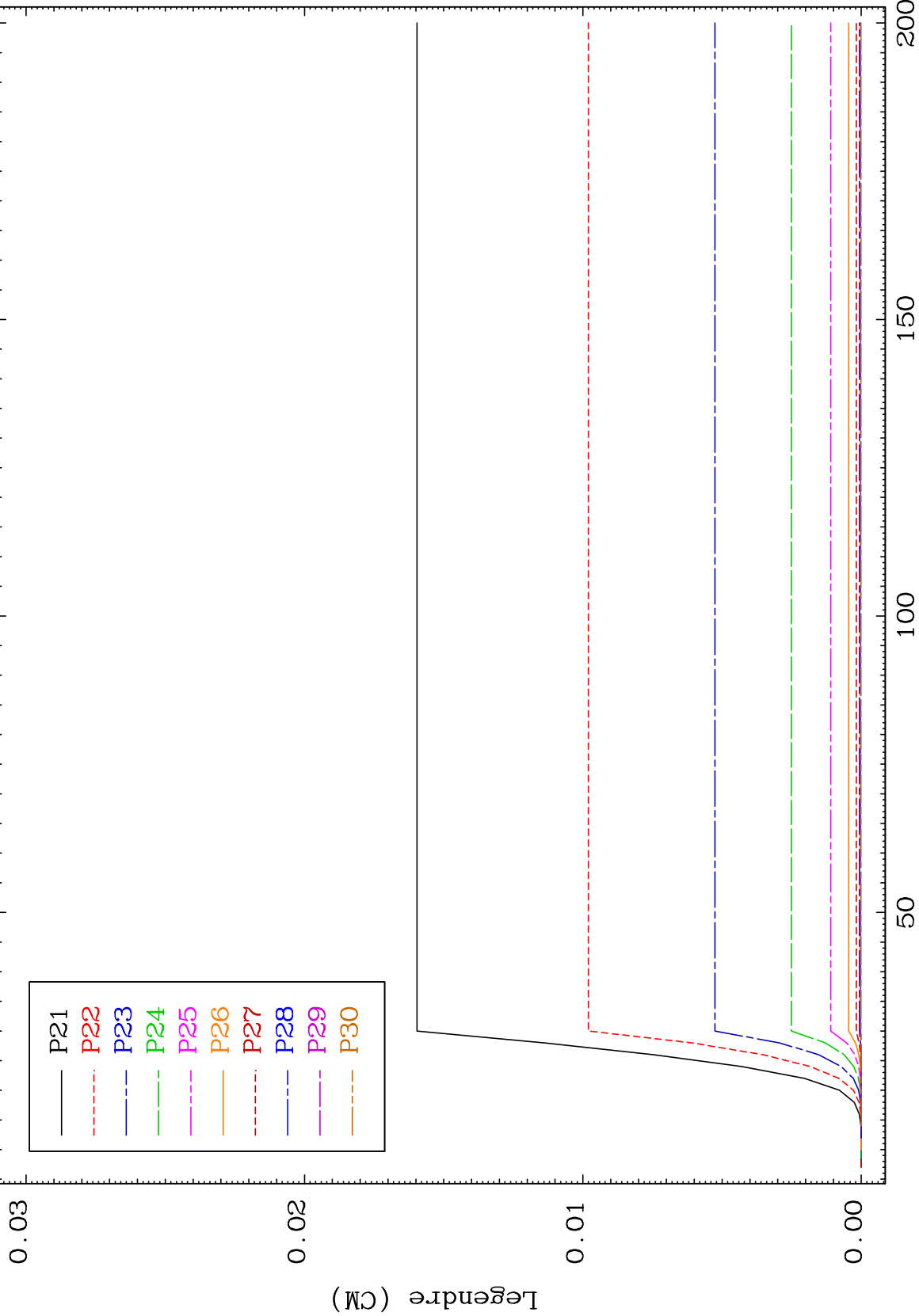
Incident Energy (MeV)

70-Yb-172

MAT 7037

78.74 keV (n,n') Level
Legendre Coefficients

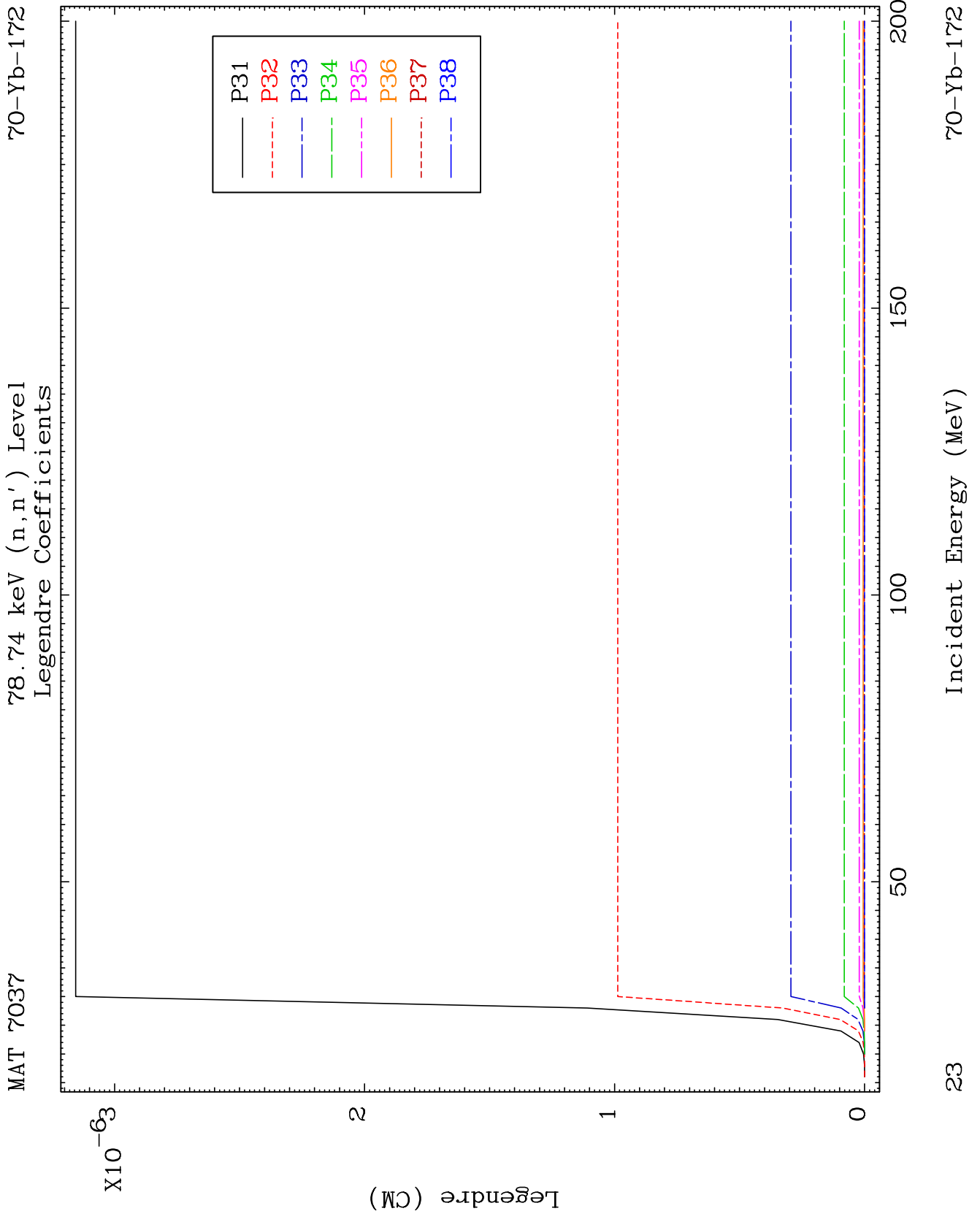
70-Yb-172



22

Incident Energy (MeV)

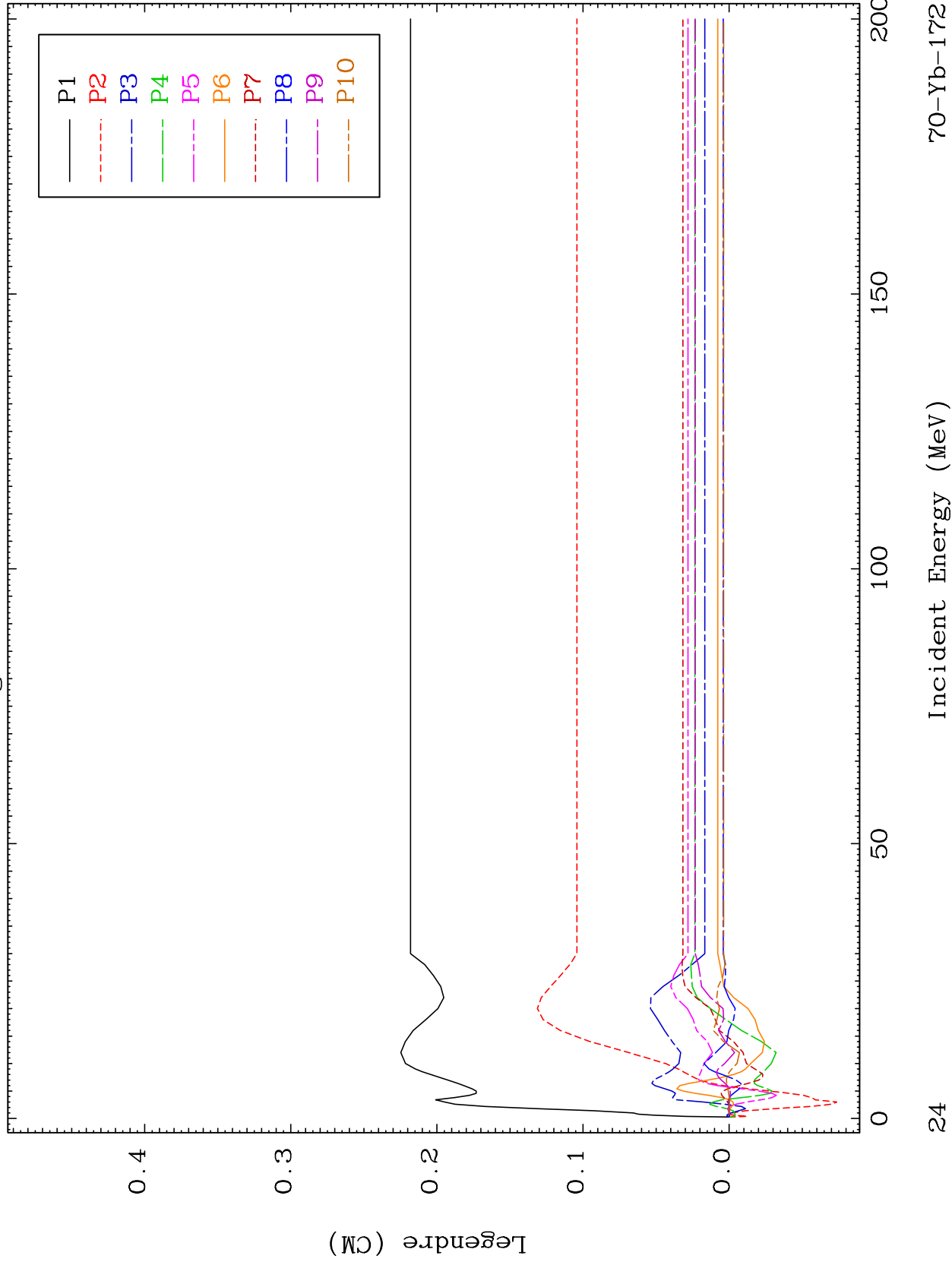
70-Yb-172



MAT 7037

260.3 keV (n,n') Level
Legendre Coefficients

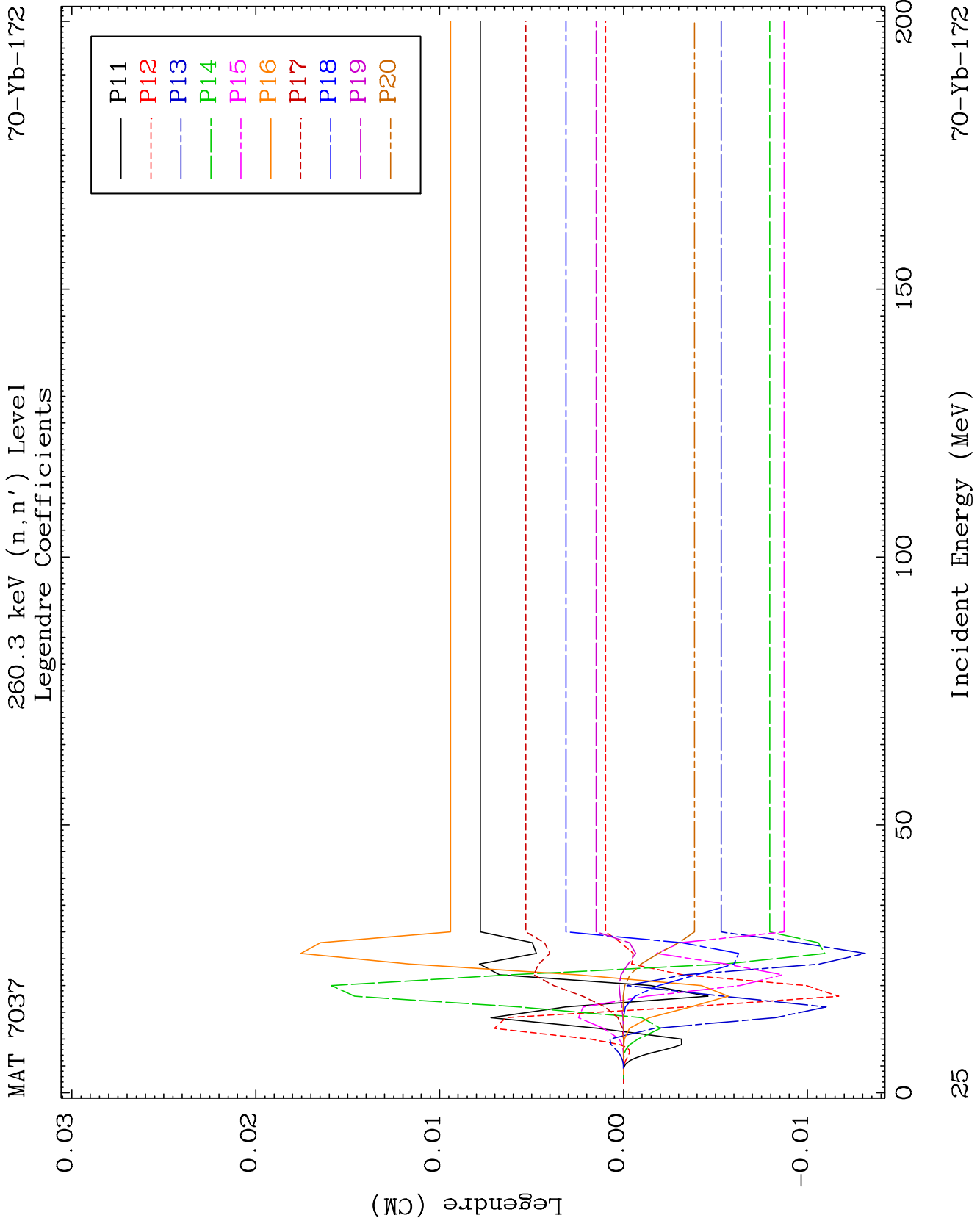
70-Yb-172

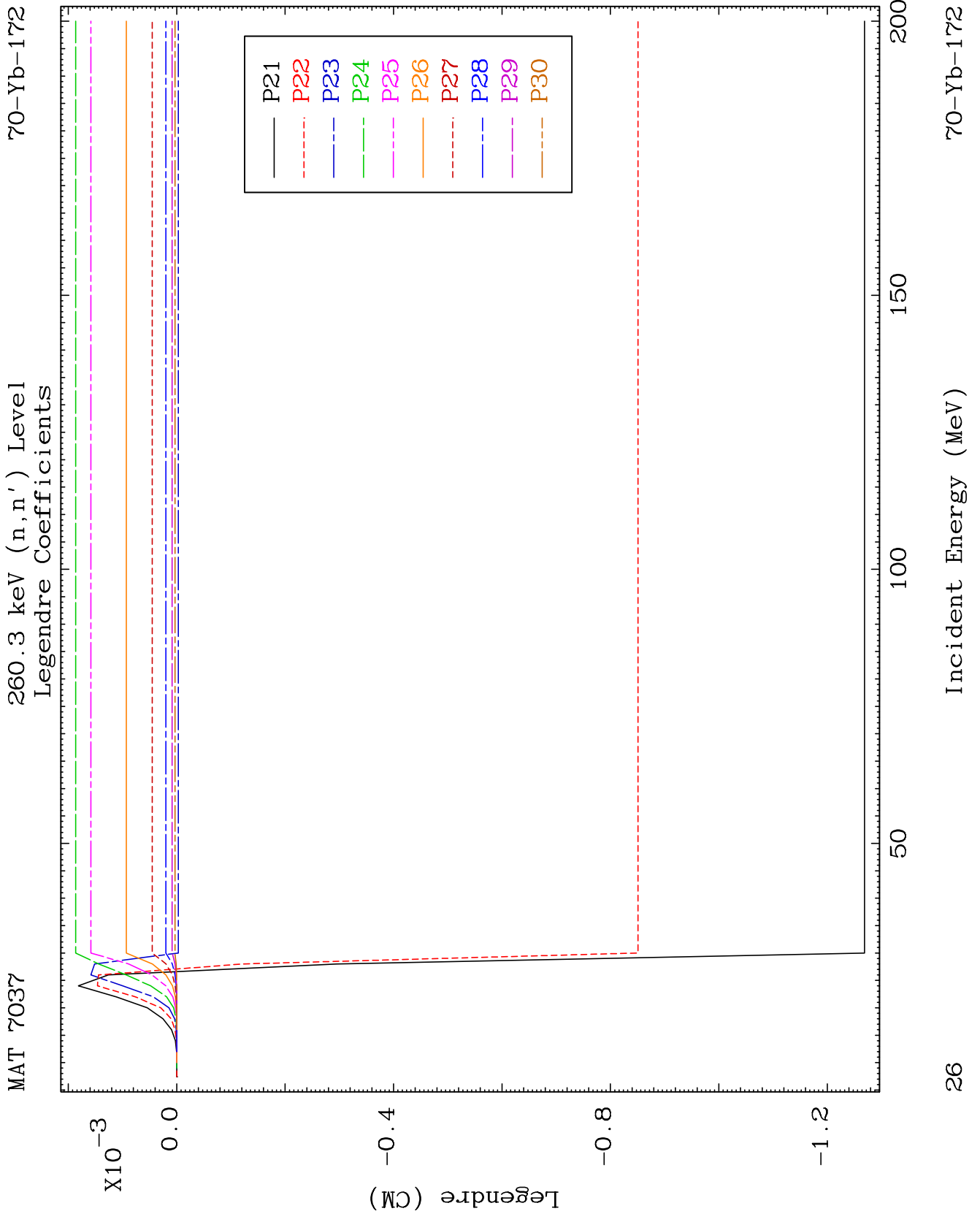


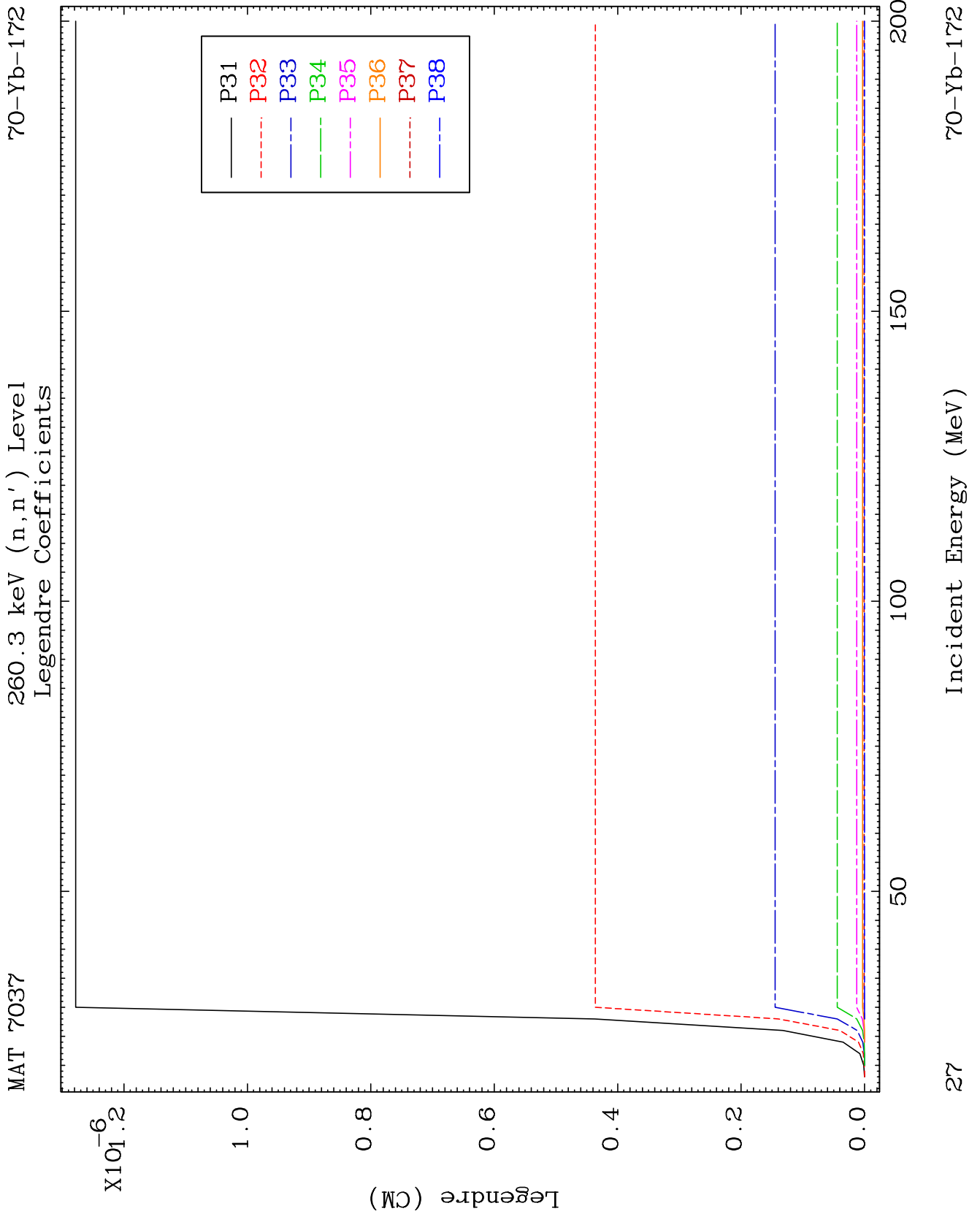
24

Incident Energy (MeV)

70-Yb-172



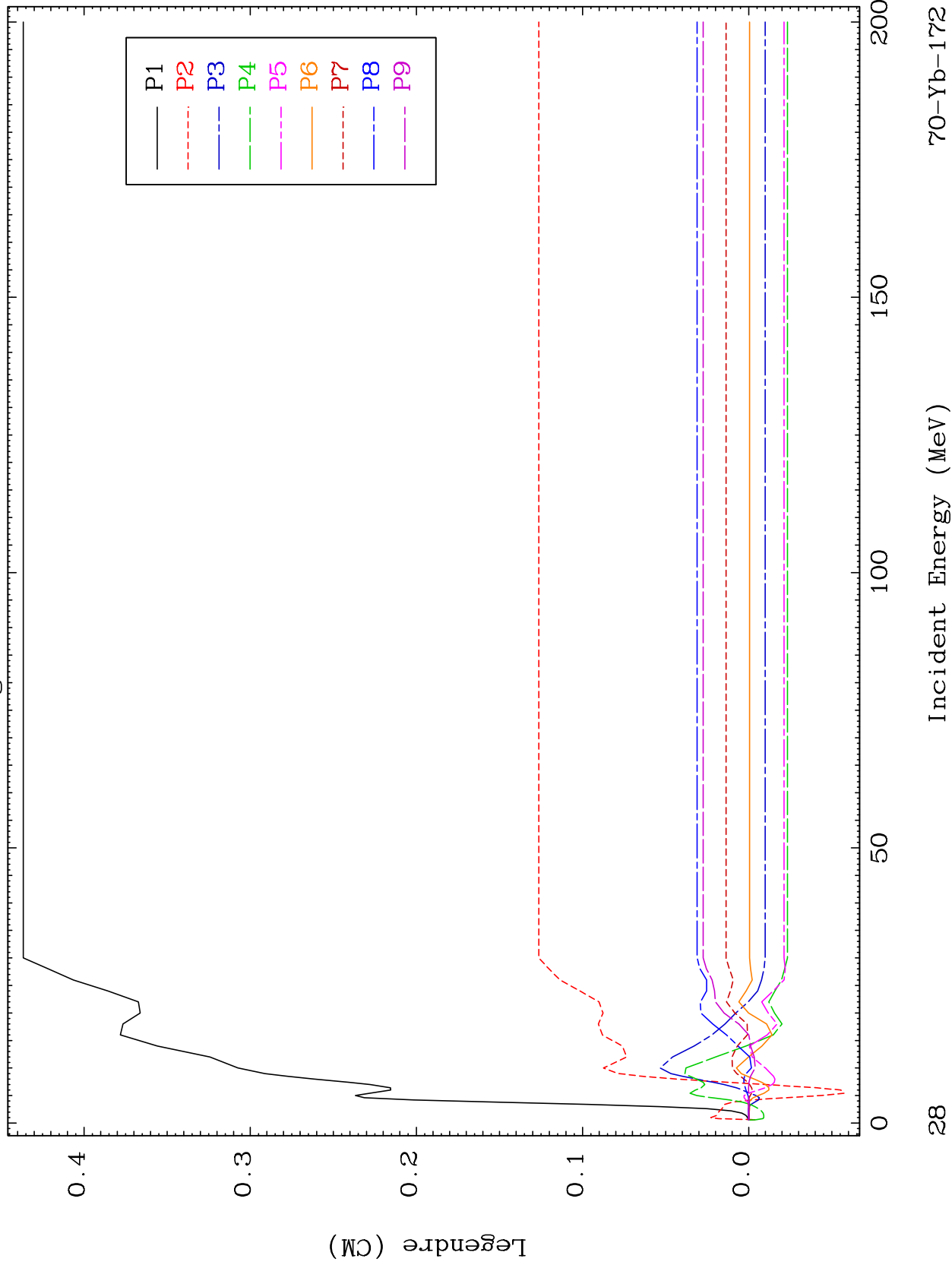




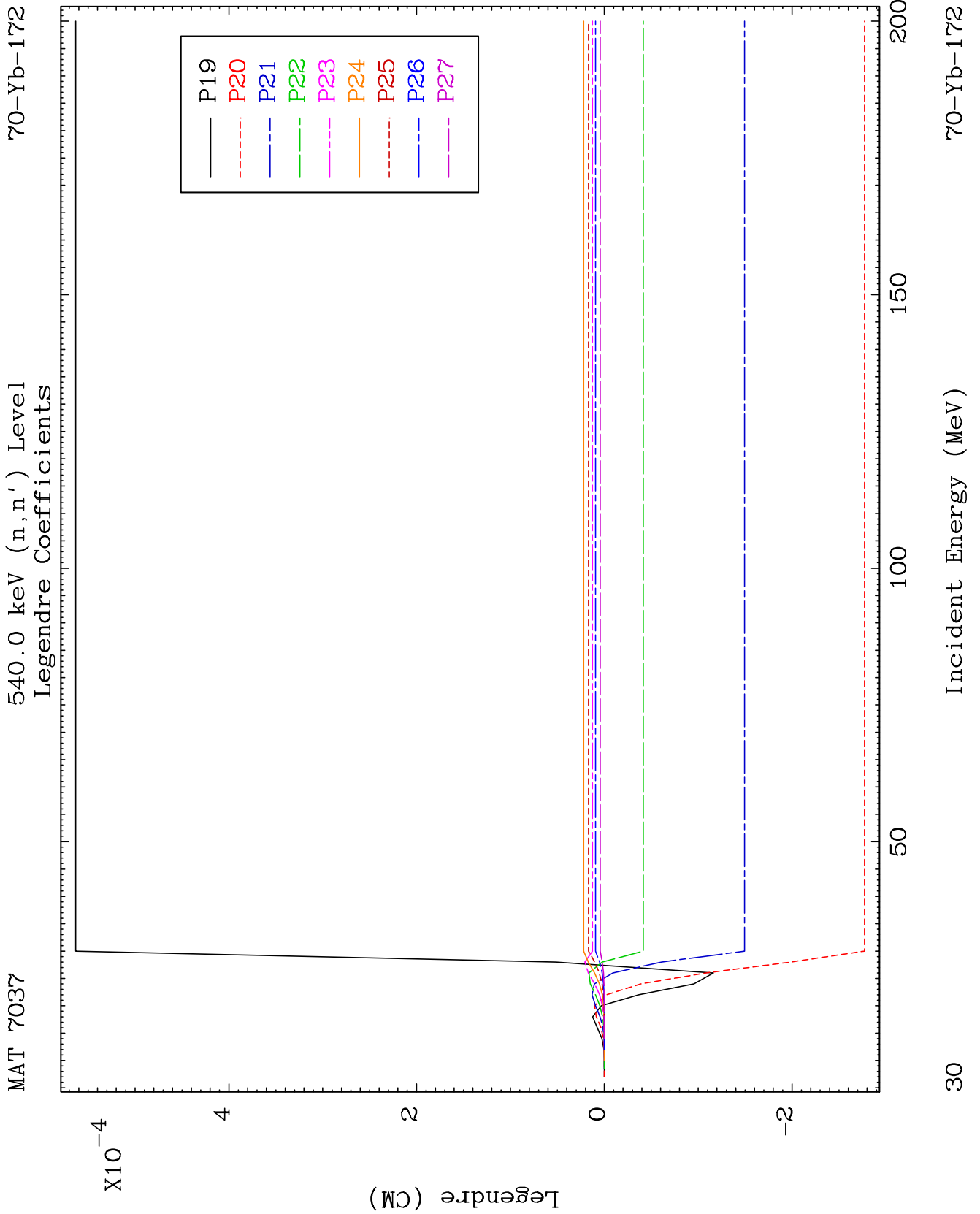
MAT 7037

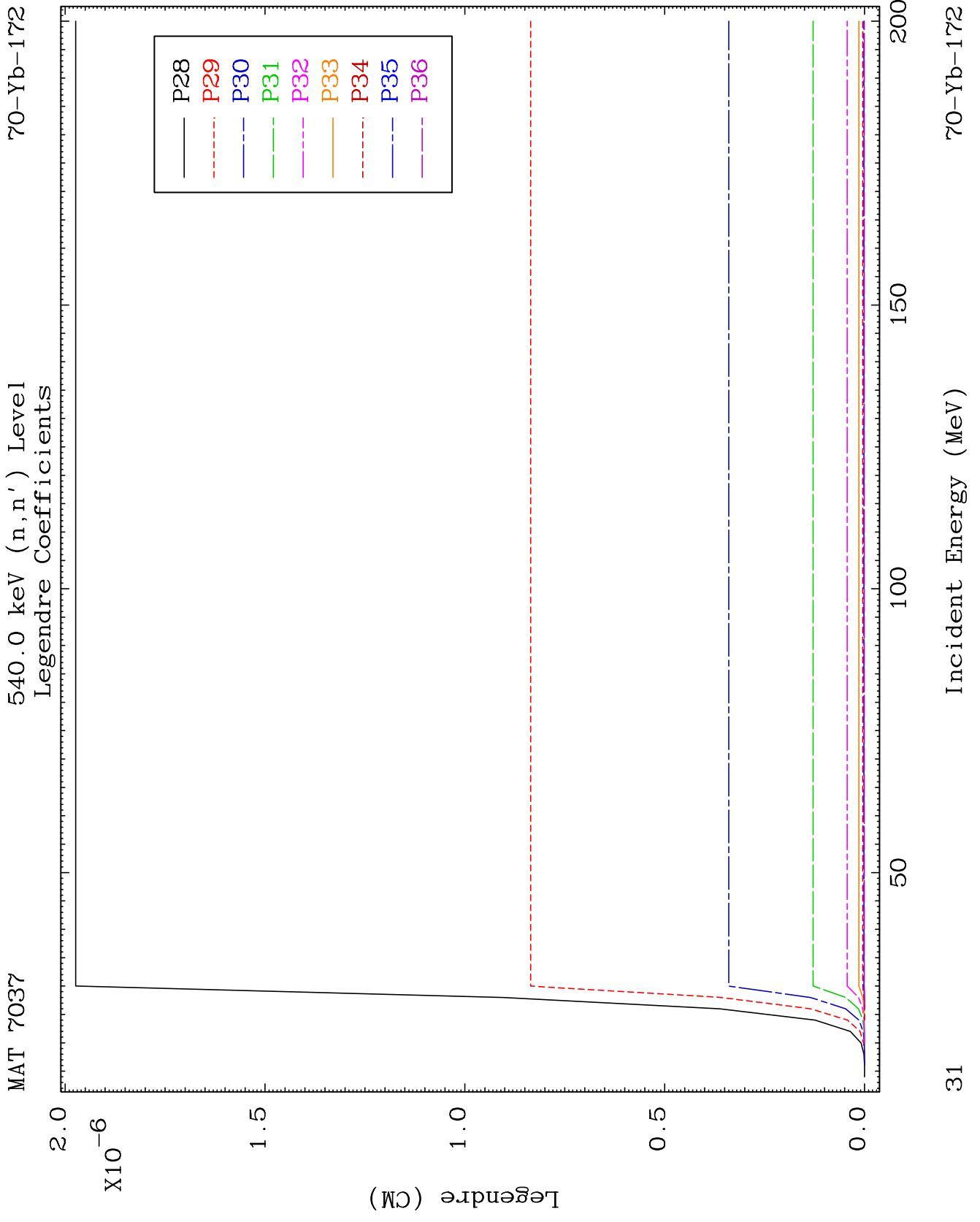
540.0 keV (n,n') Level
Legendre Coefficients

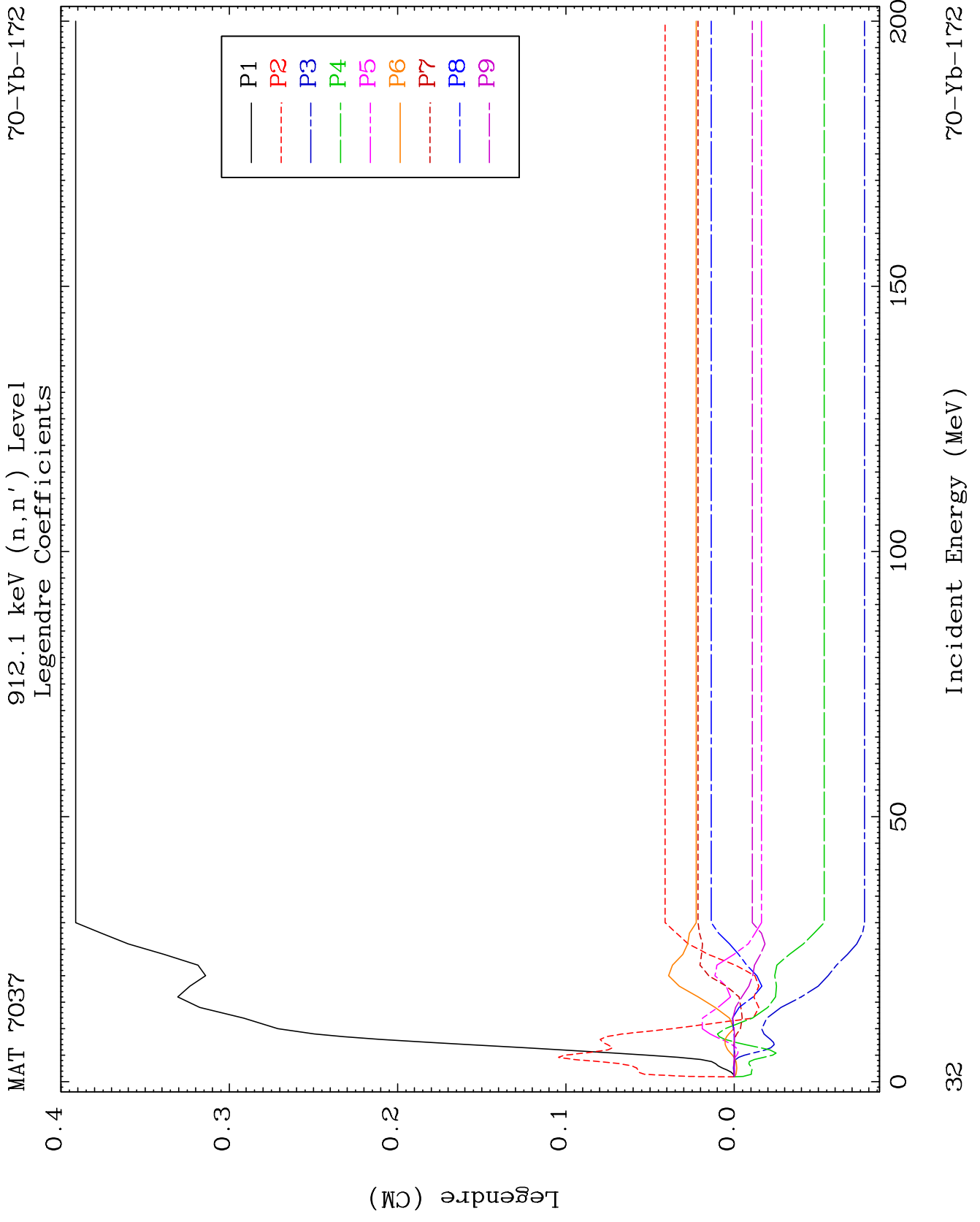
70-Yb-172



28



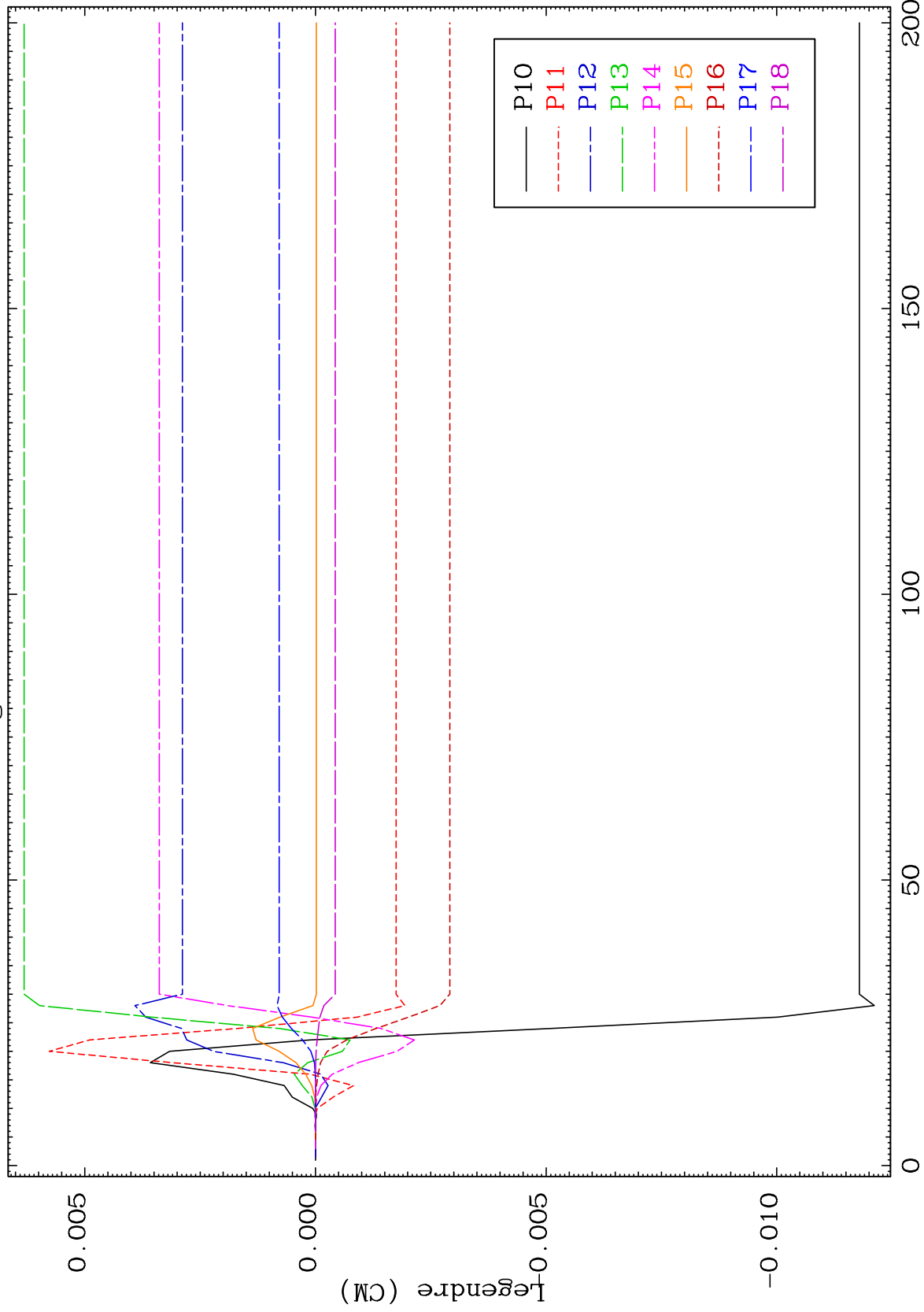




MAT 7037

912.1 keV (n,n') Level
Legendre Coefficients

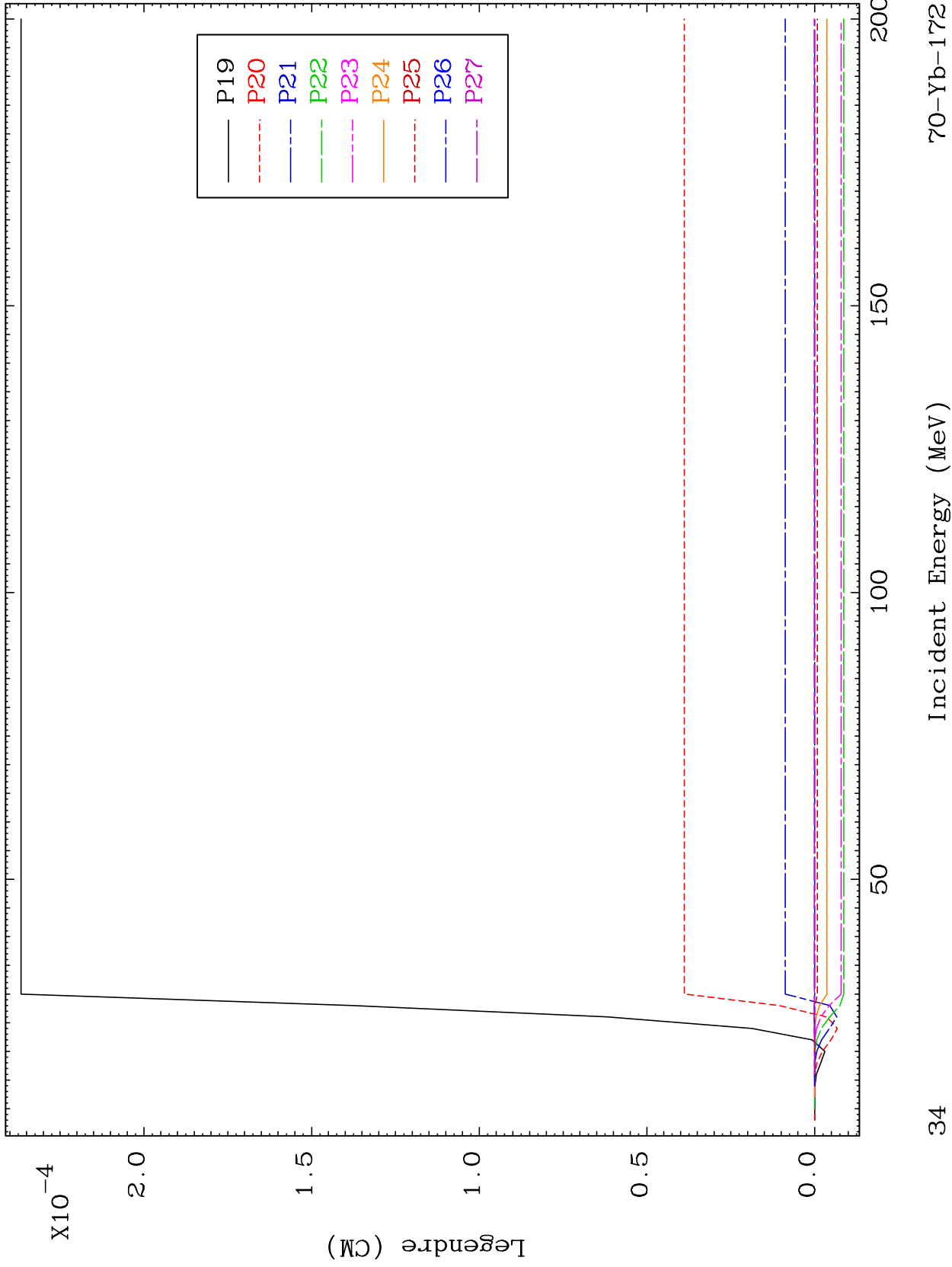
70-Yb-172



33

Incident Energy (MeV)

70-Yb-172



MAT 7037

912.1 keV (n,n') Level
Legendre Coefficients

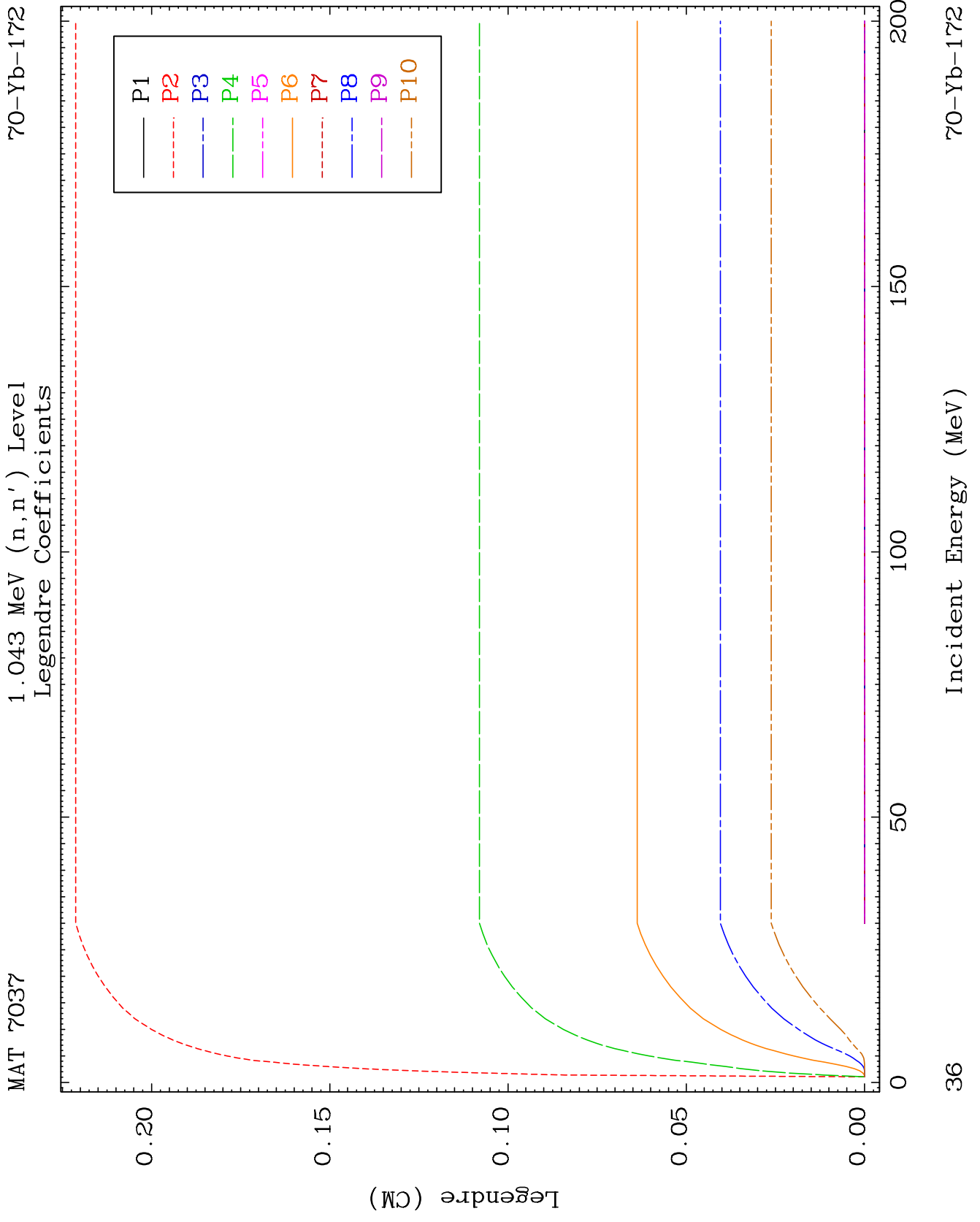
70-Yb-172



35

Incident Energy (MeV)

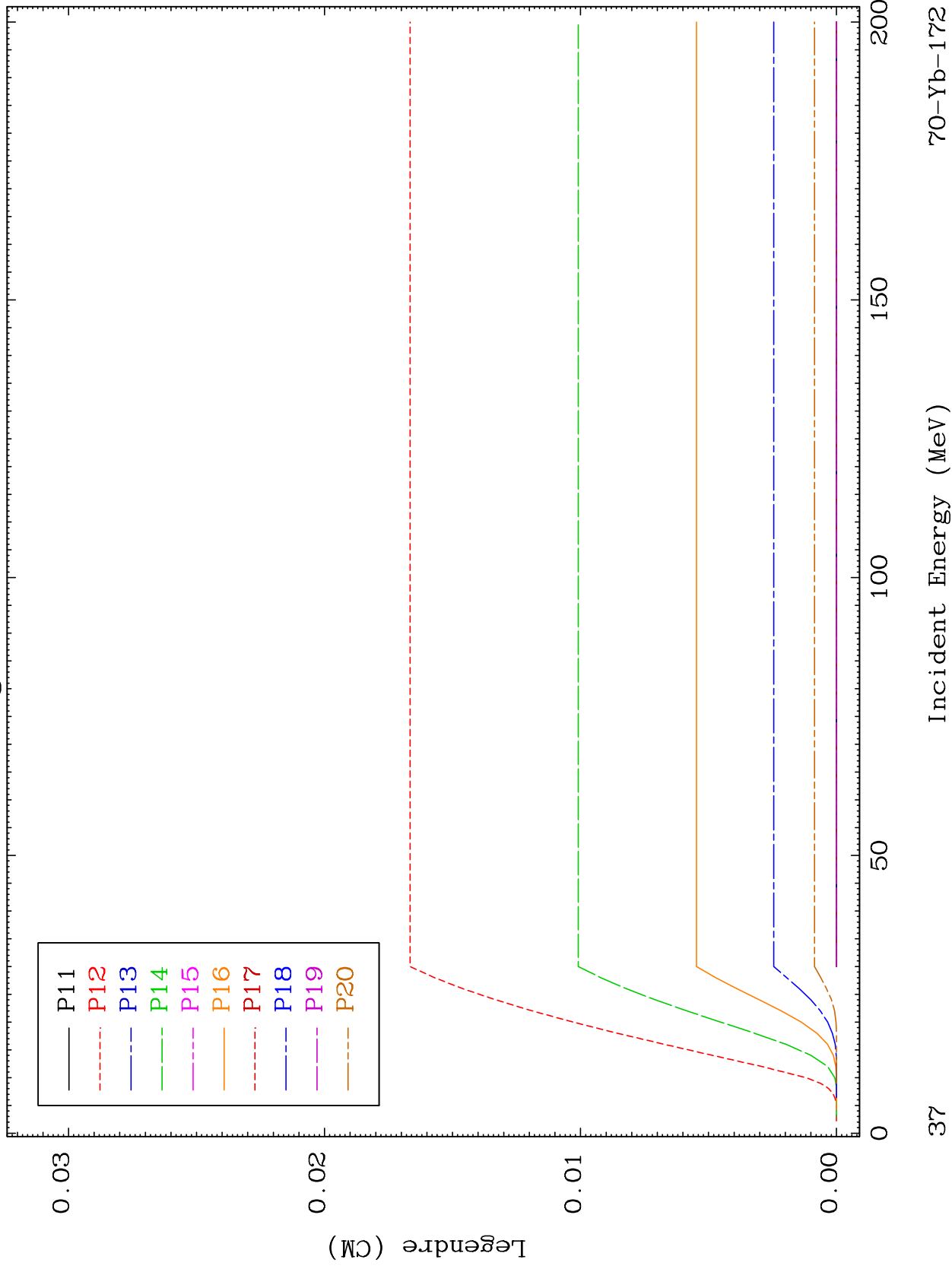
70-Yb-172



MAT 7037

1.043 MeV (n,n') Level
Legendre Coefficients

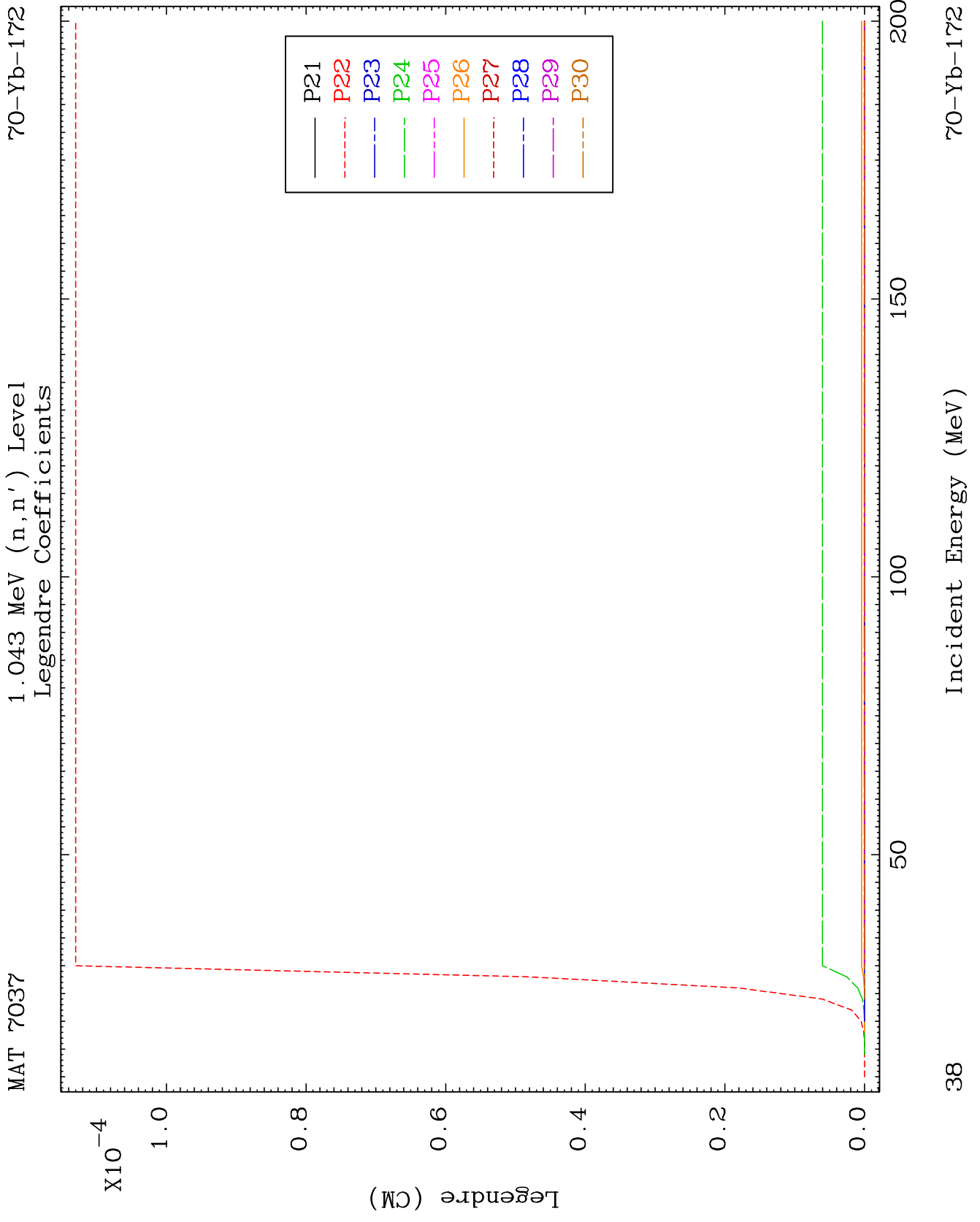
70-Yb-172



37

Incident Energy (MeV)

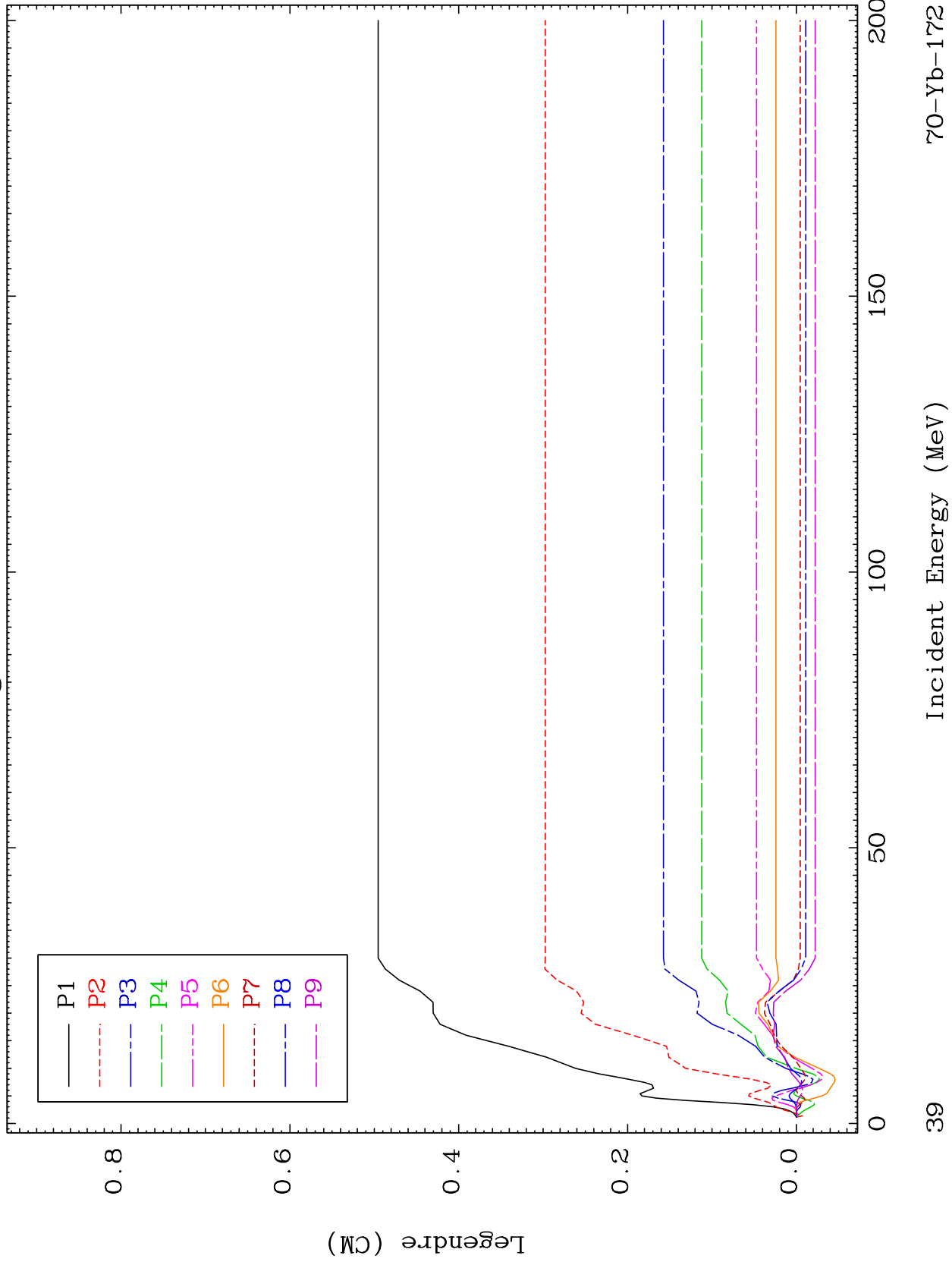
70-Yb-172



MAT 7037

1.118 MeV (n,n') Level
Legendre Coefficients

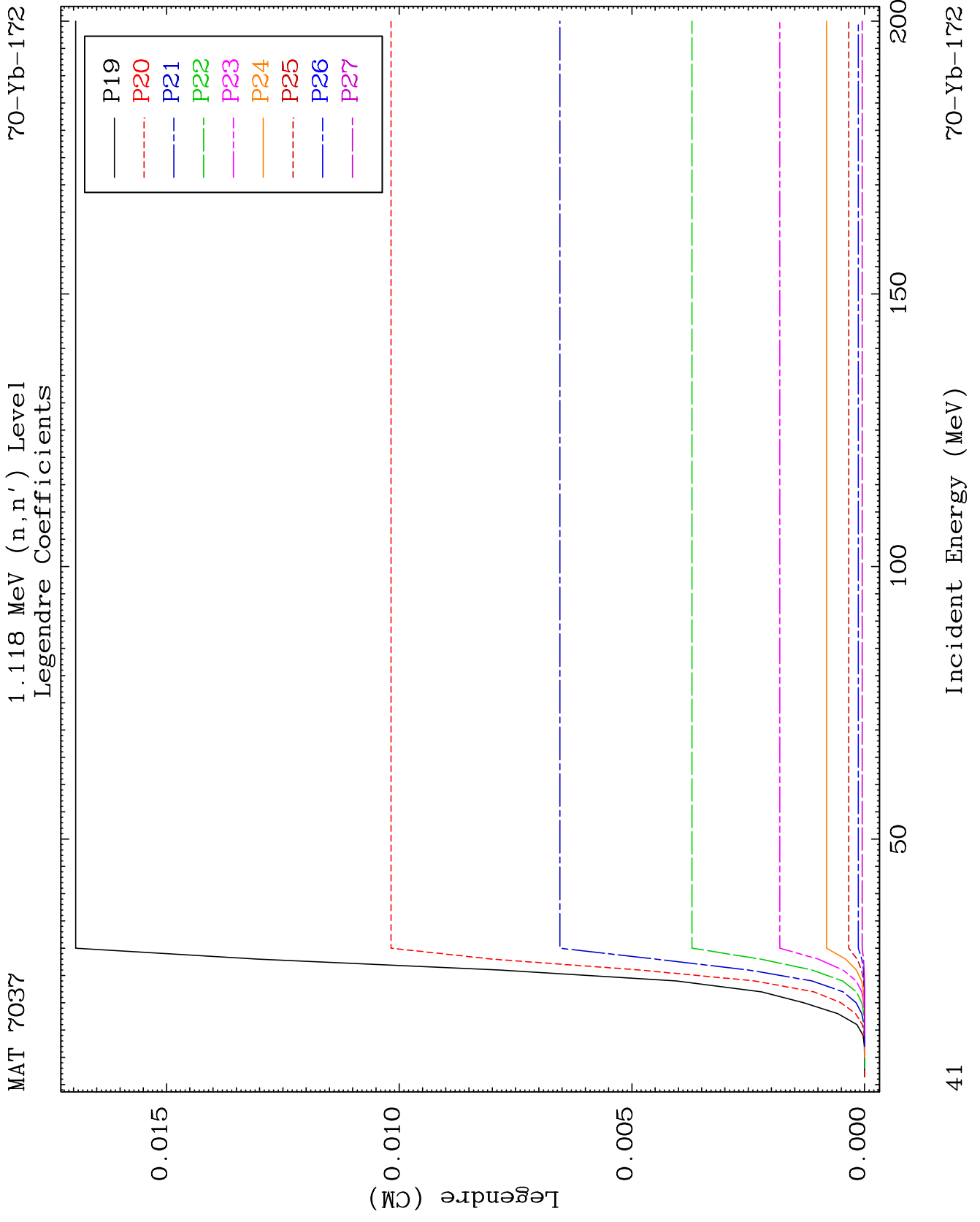
70-Yb-172

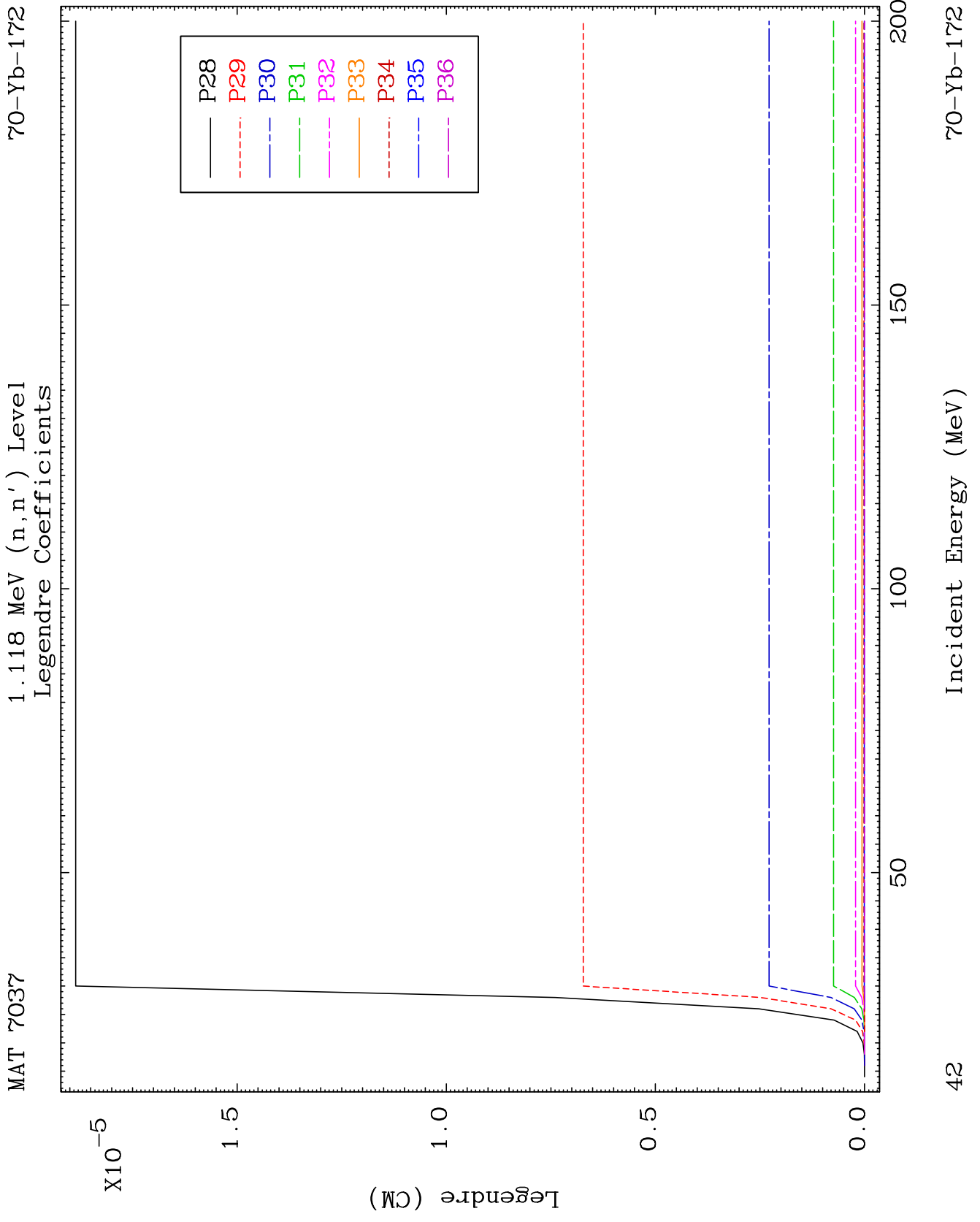


39

Incident Energy (MeV)

70-Yb-172

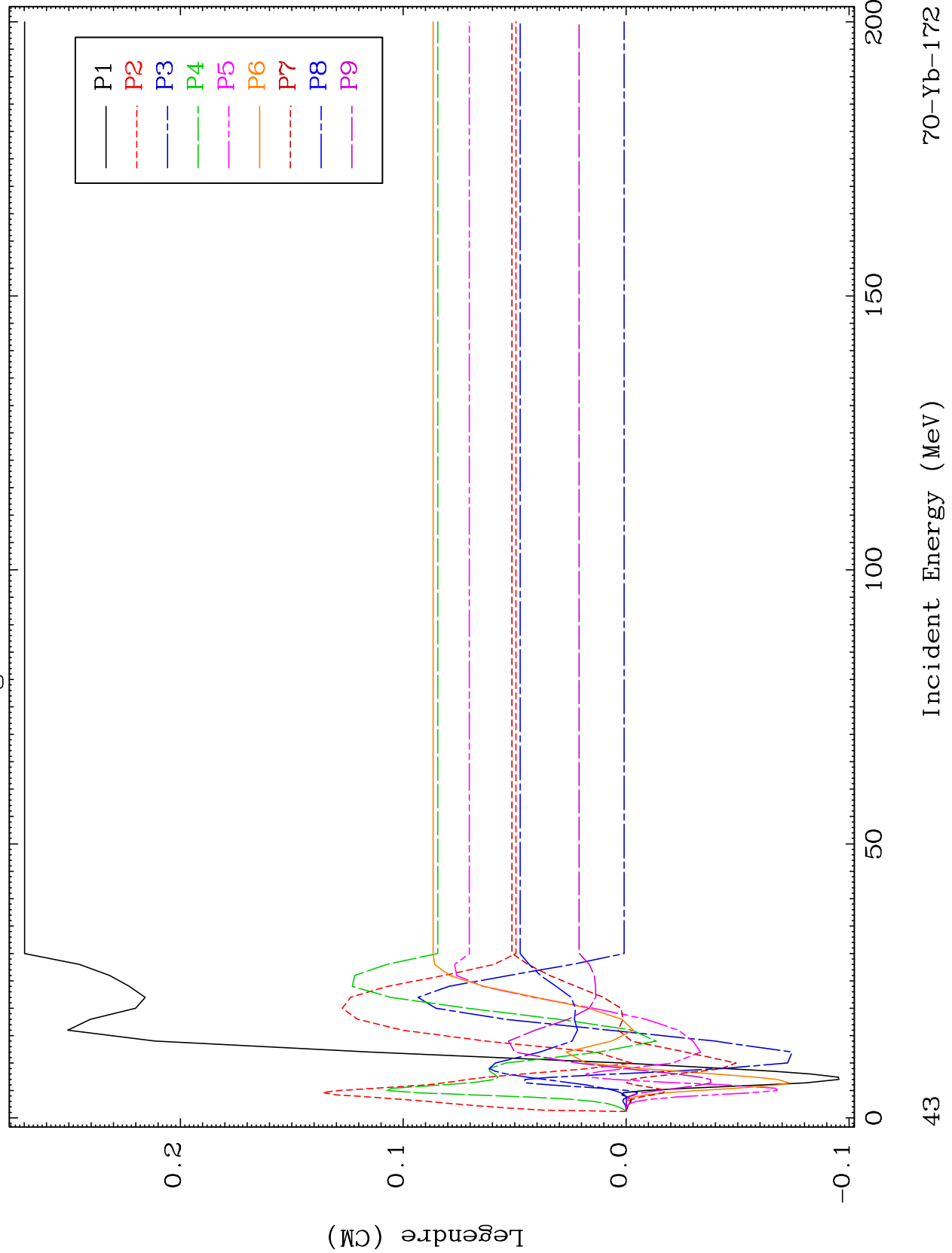




MAT 7037

1.155 MeV (n,n') Level Legendre Coefficients

70-Yb-172



70-Yb-172

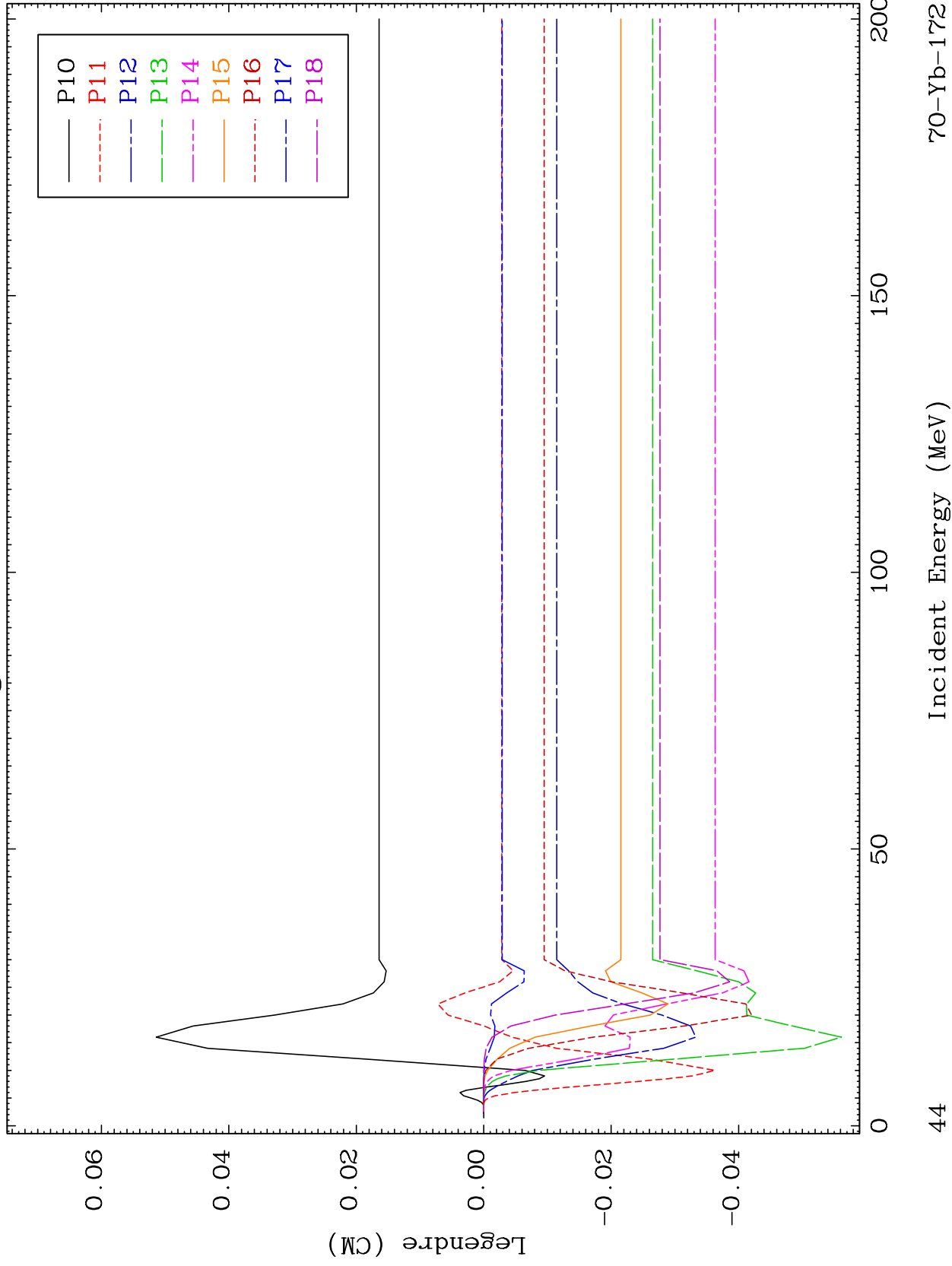
Incident Energy (MeV)

43

MAT 7037

1.155 MeV (n,n') Level
Legendre Coefficients

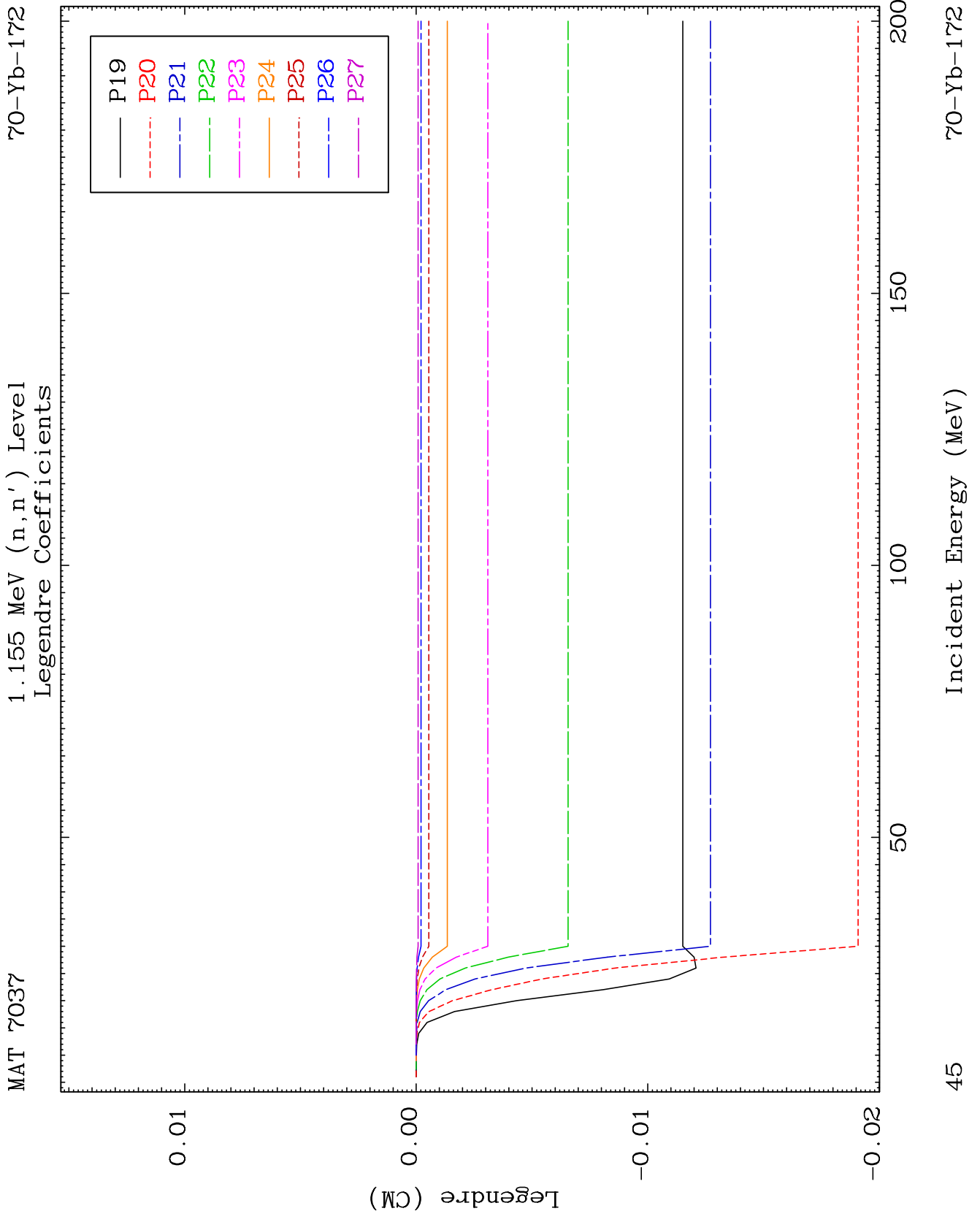
70-Yb-172

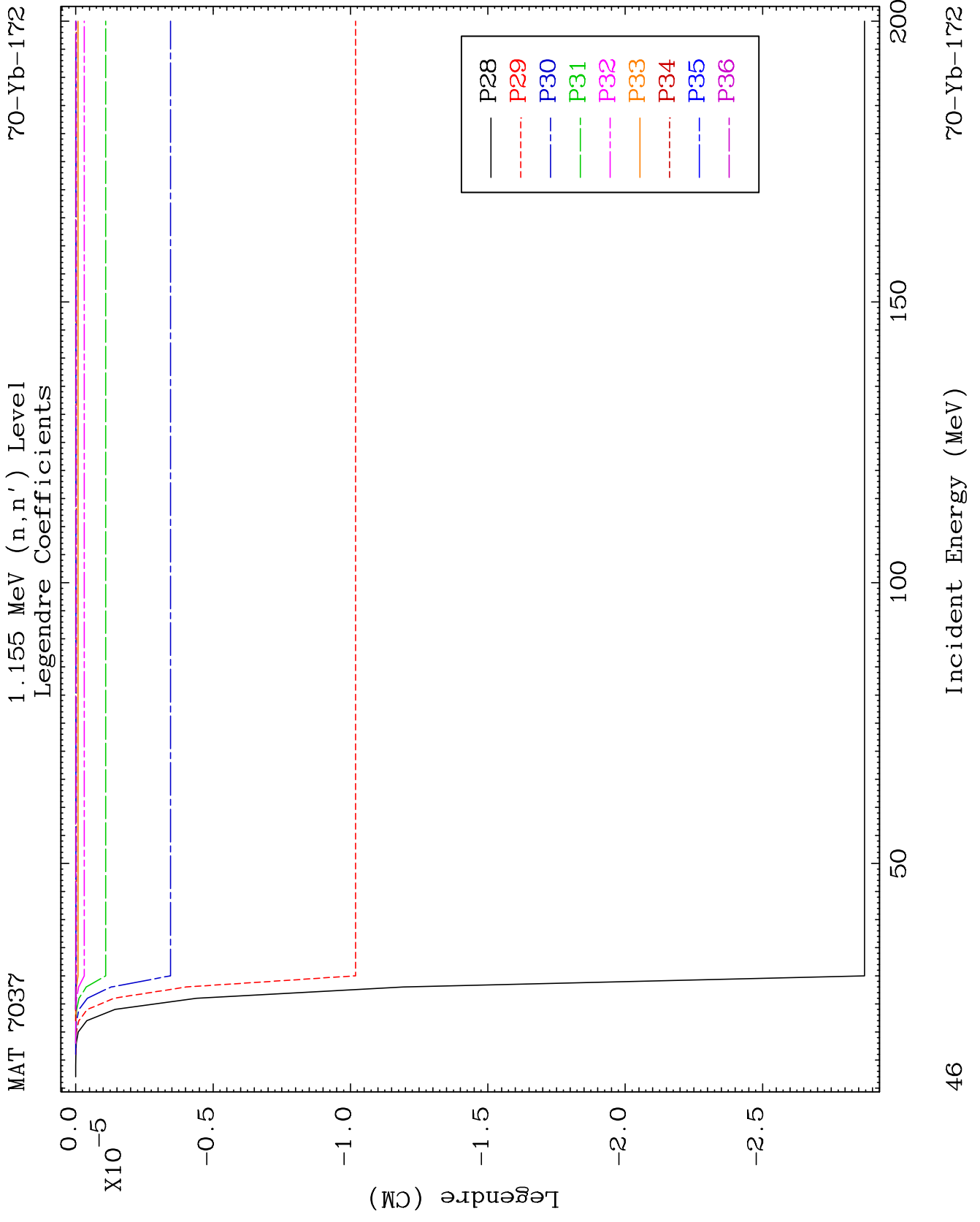


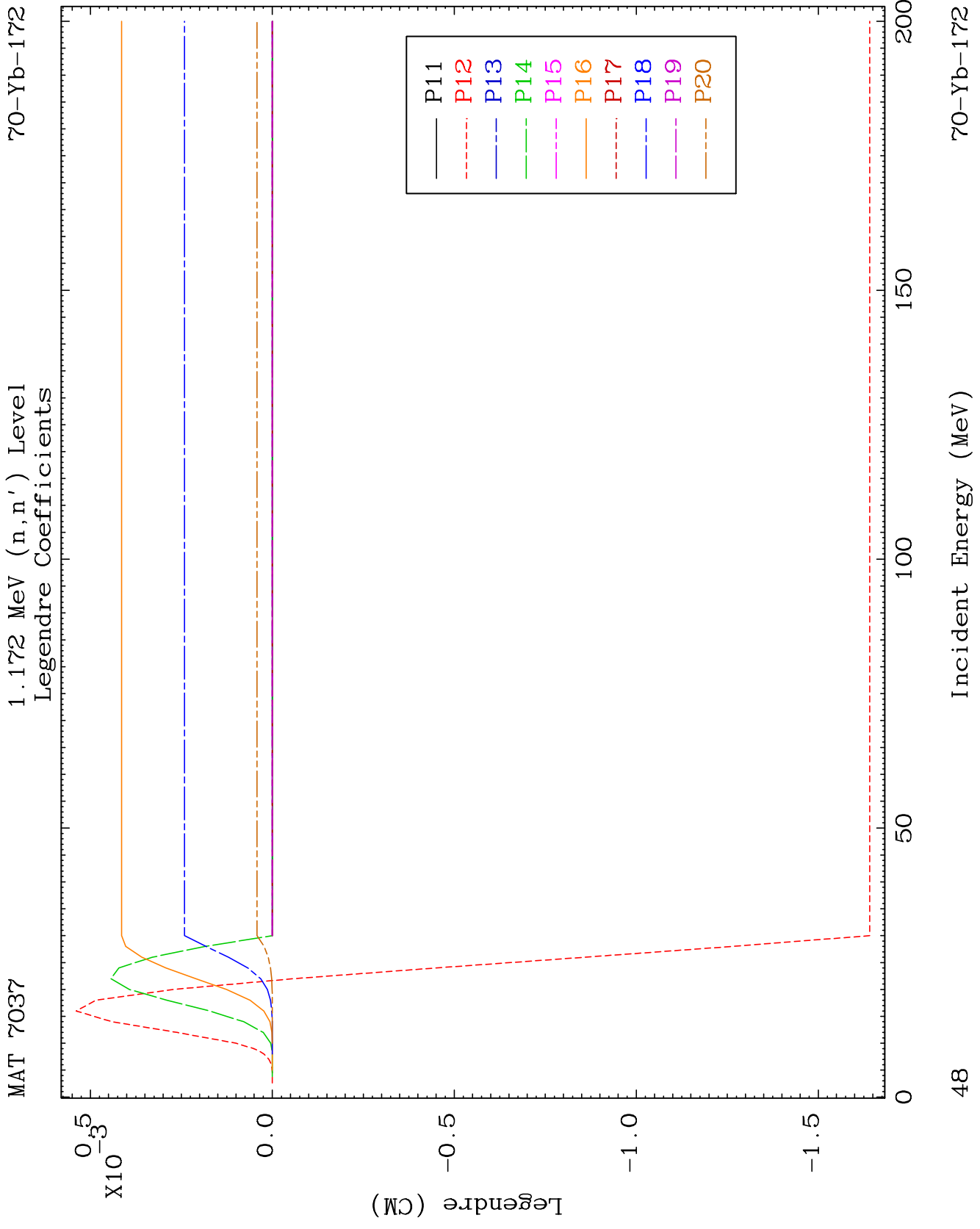
44

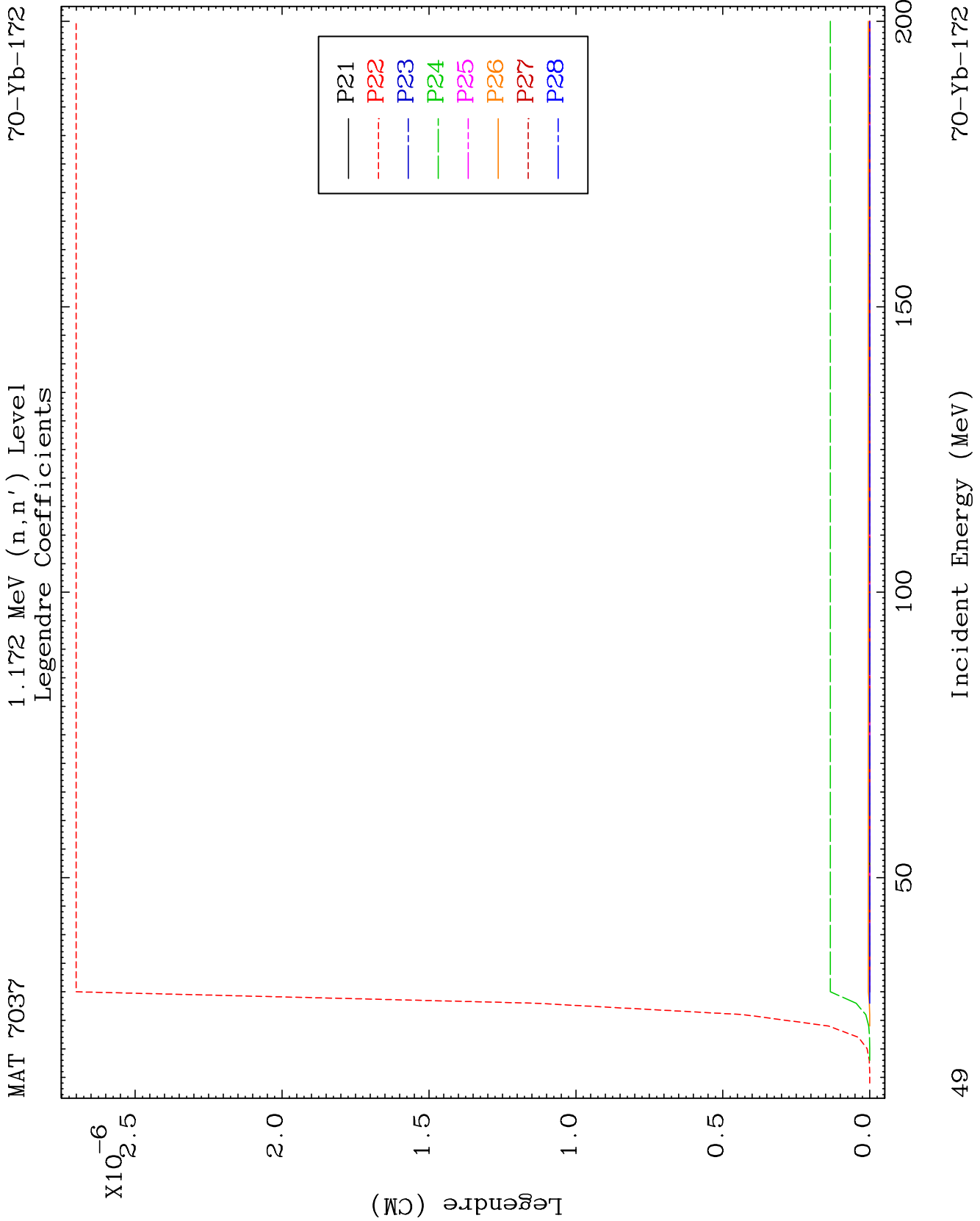
Incident Energy (MeV)

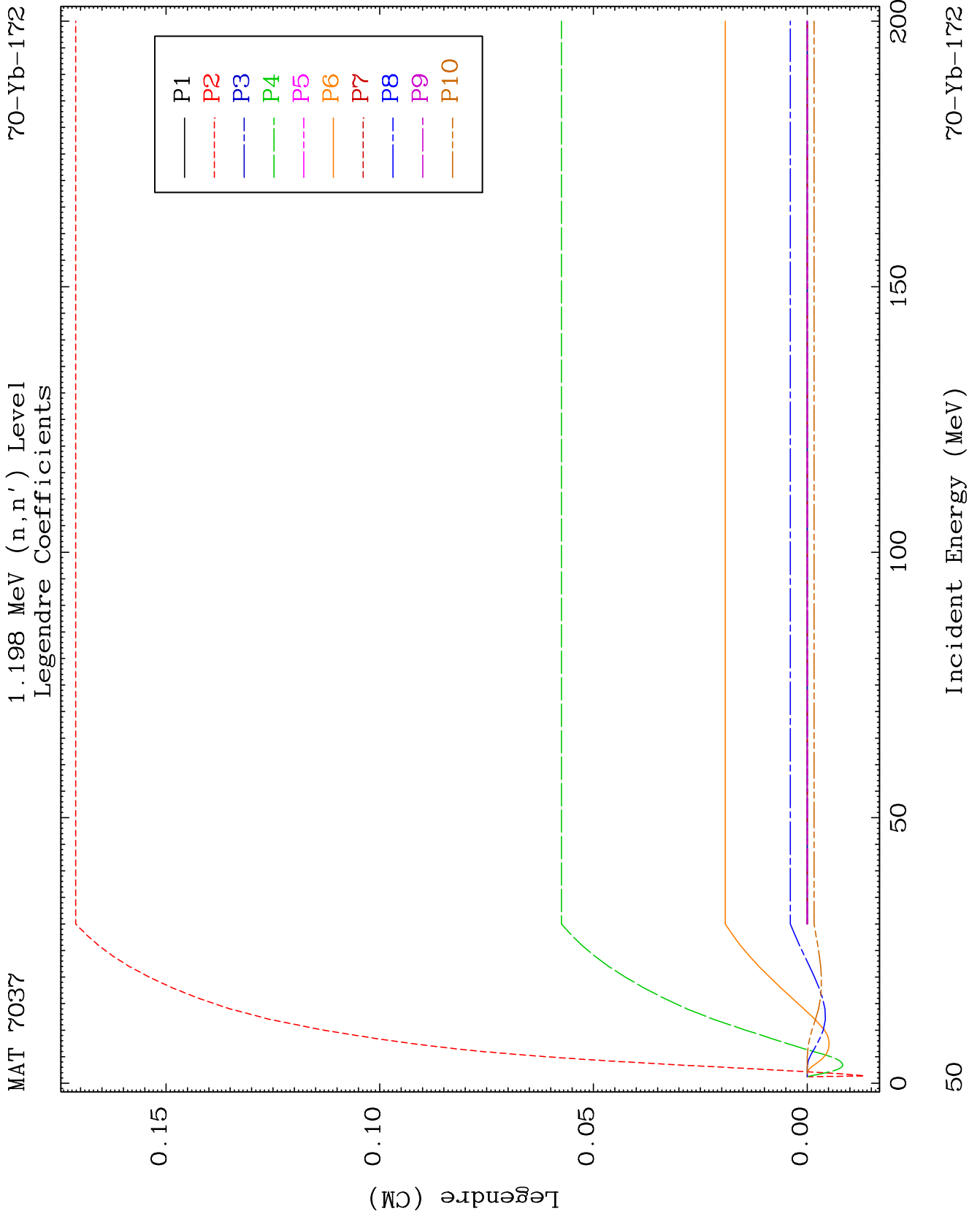
70-Yb-172

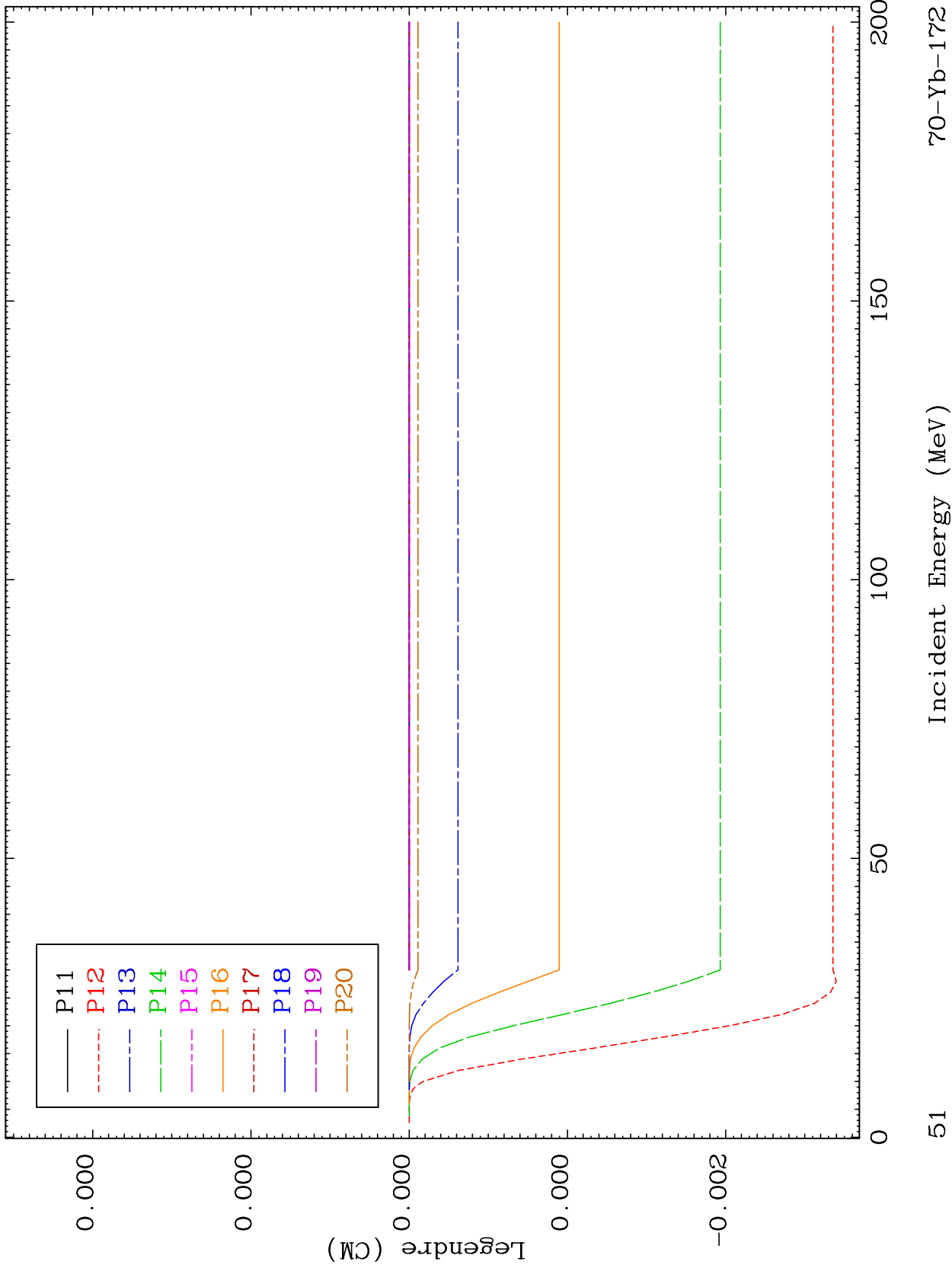


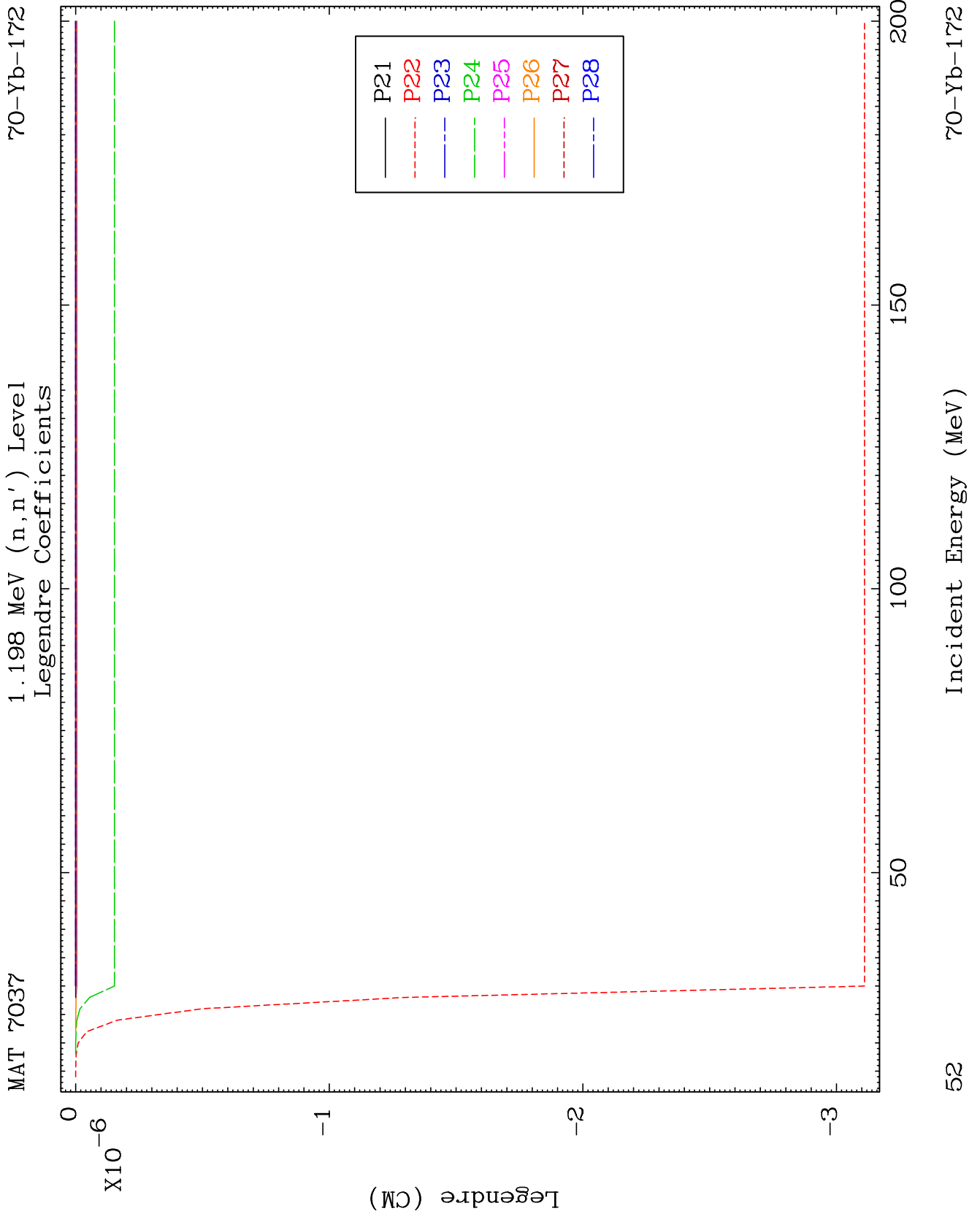








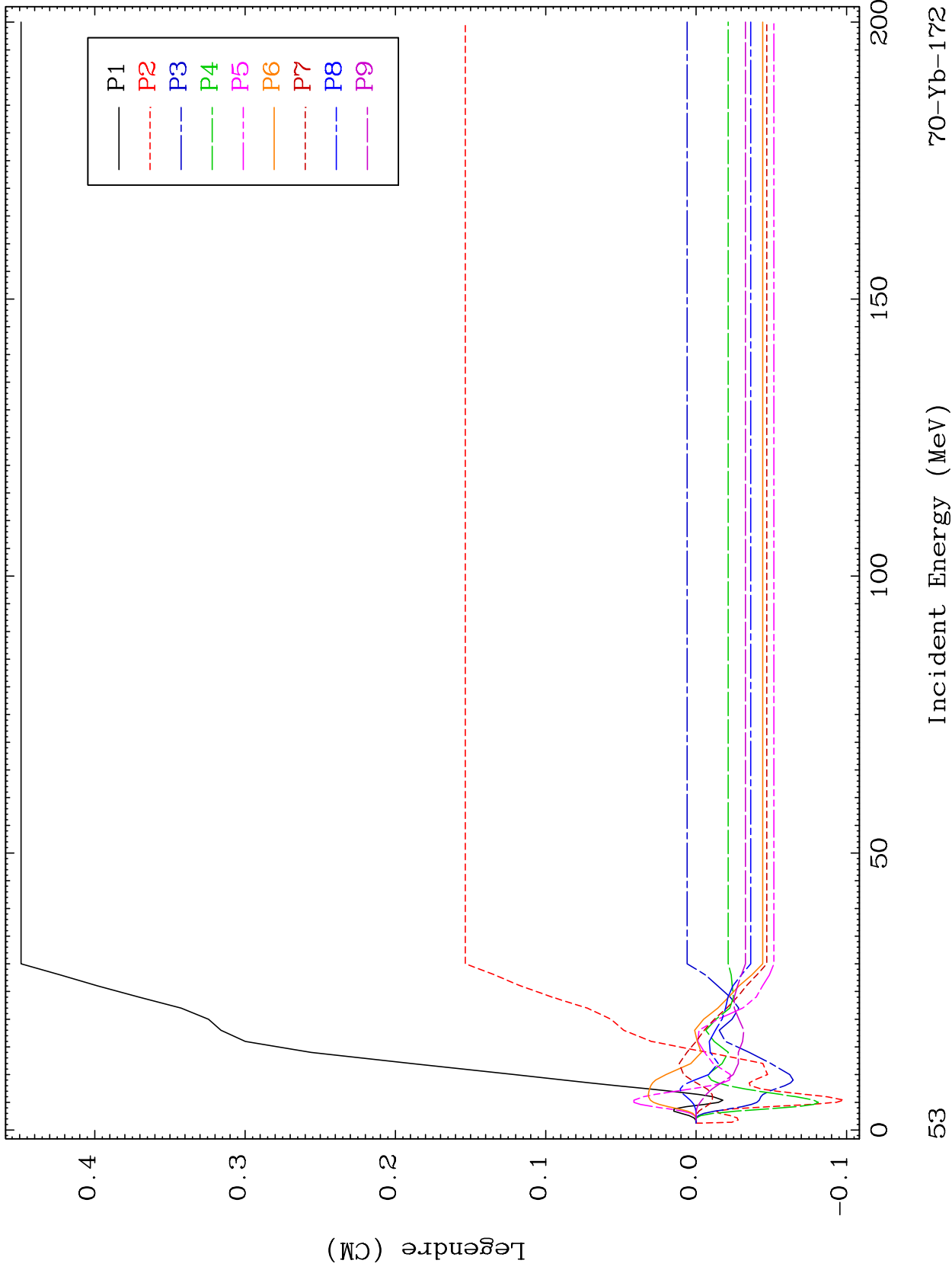




MAT 7037

1.222 MeV (n,n') Level
Legendre Coefficients

70-Yb-172



53

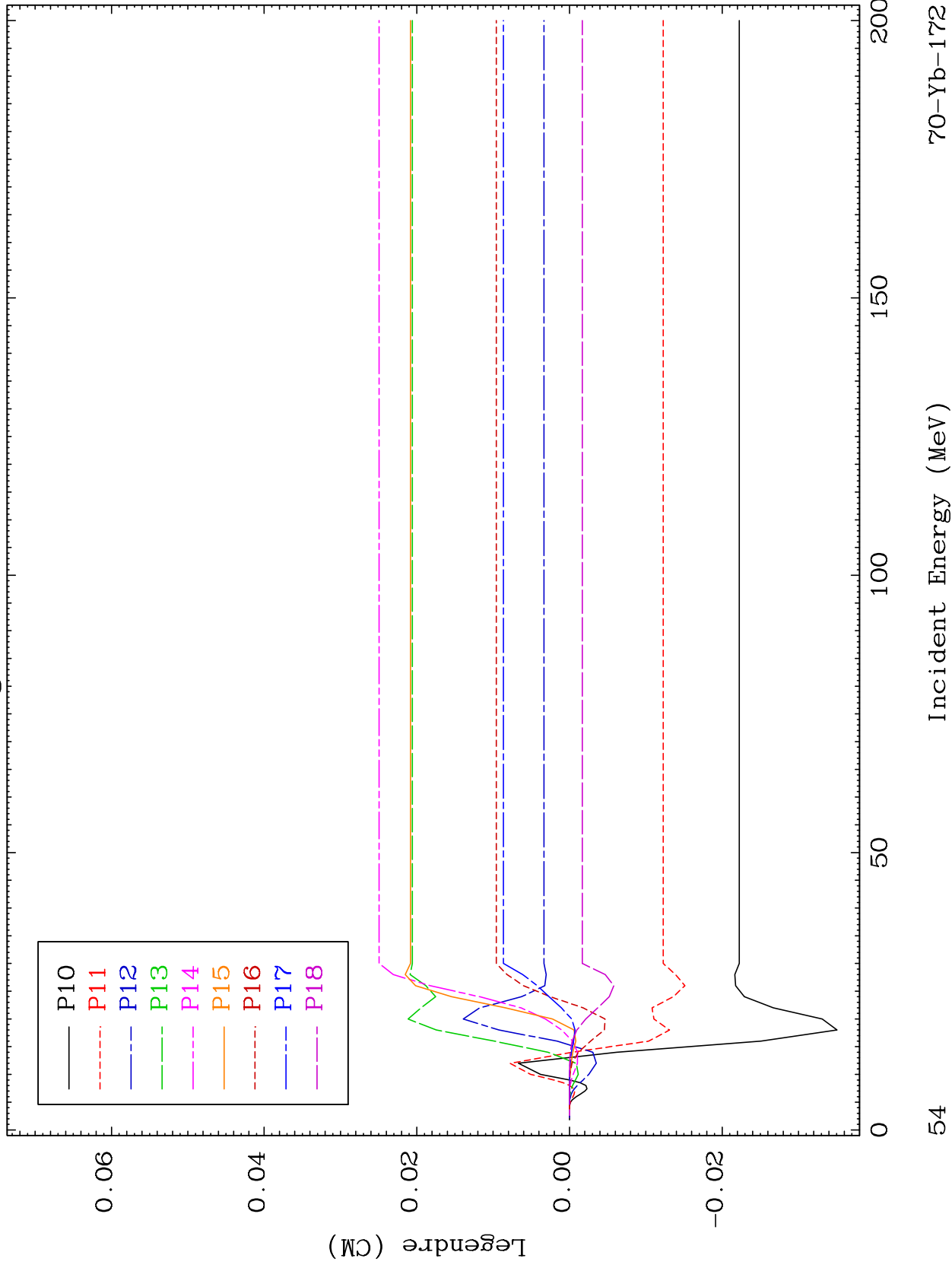
Incident Energy (MeV)

70-Yb-172

MAT 7037

1.222 MeV (n,n') Level
Legendre Coefficients

70-Yb-172



54

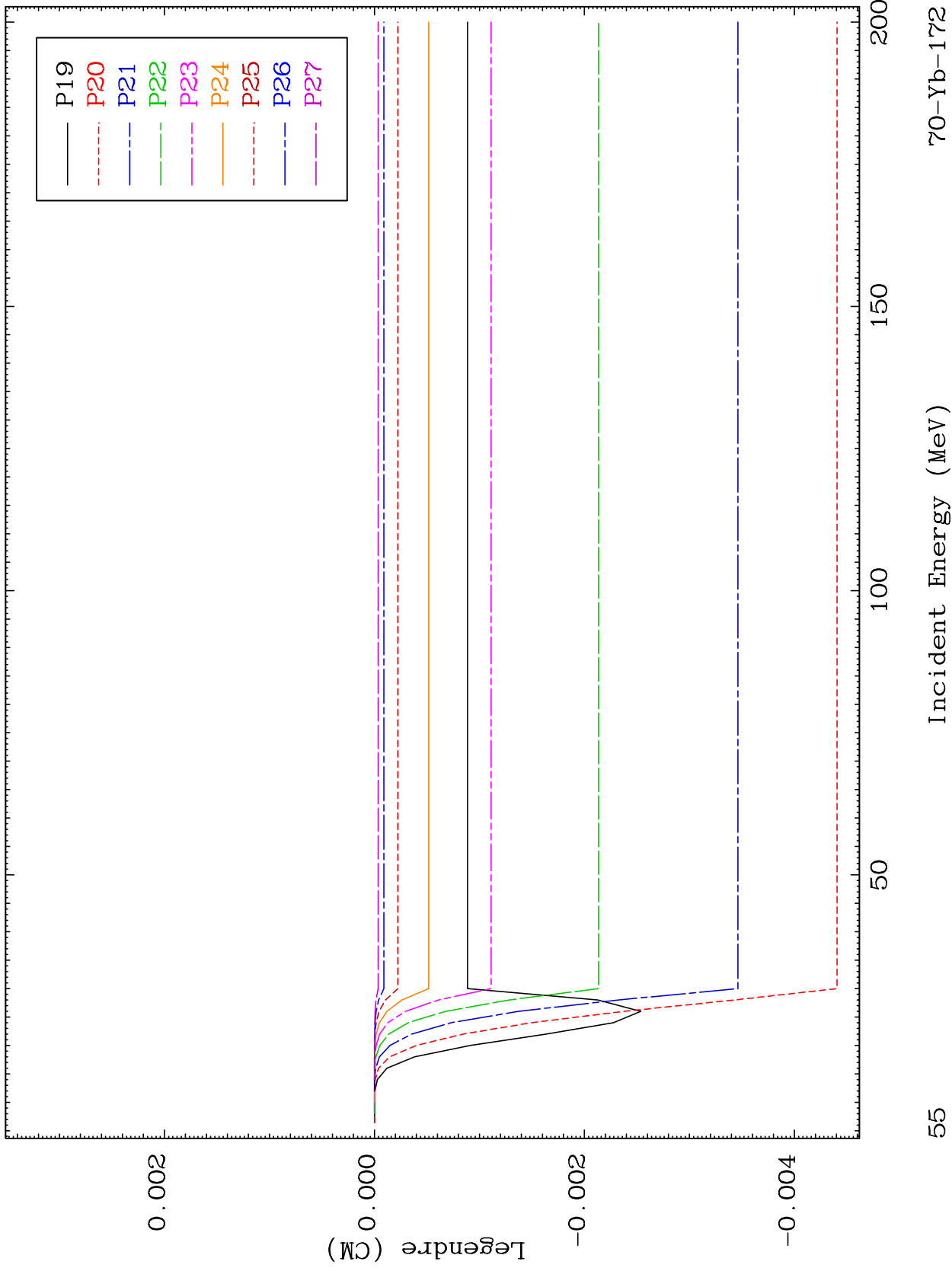
Incident Energy (MeV)

70-Yb-172

MAT 7037

1.222 MeV (n,n') Level
Legendre Coefficients

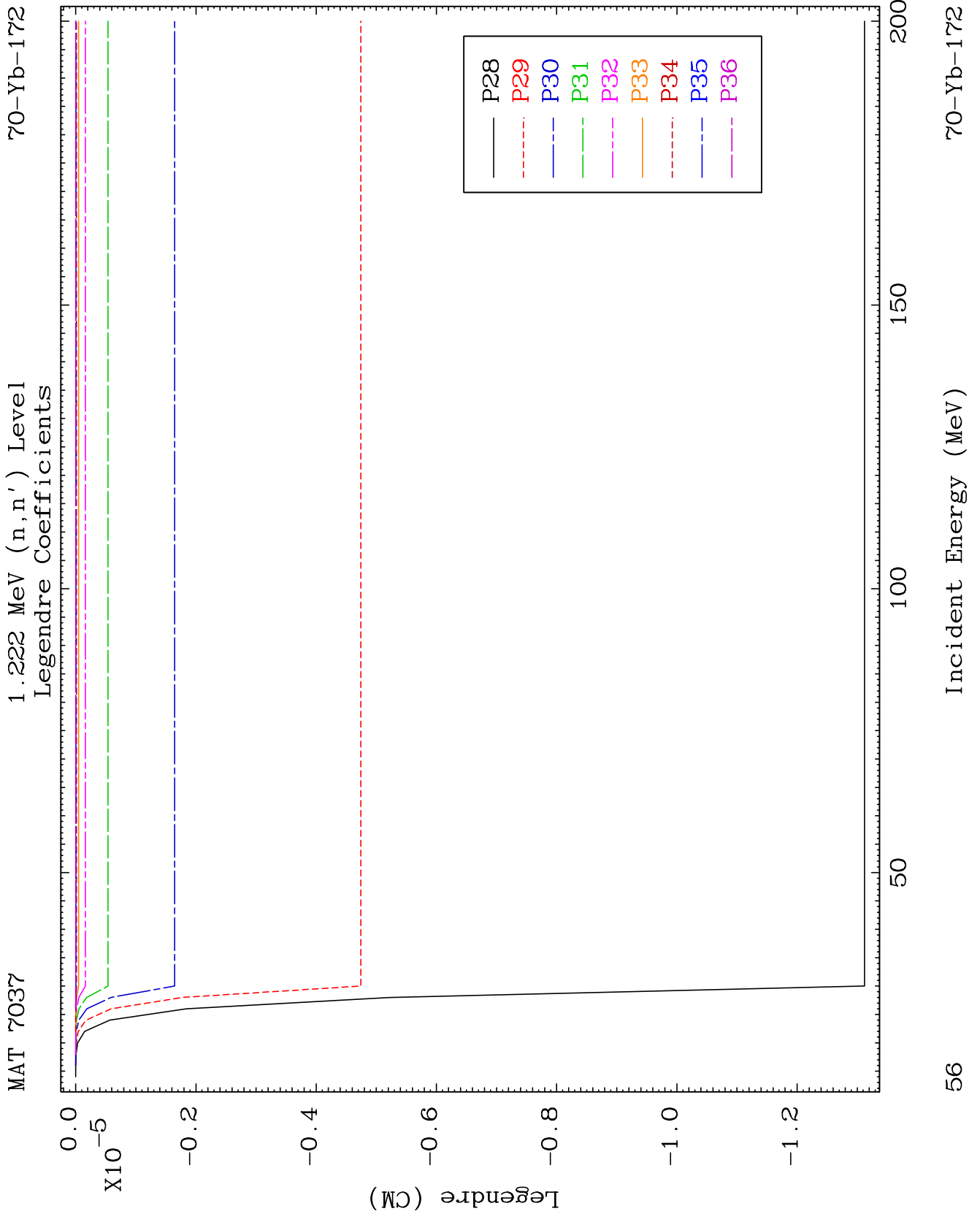
70-Yb-172

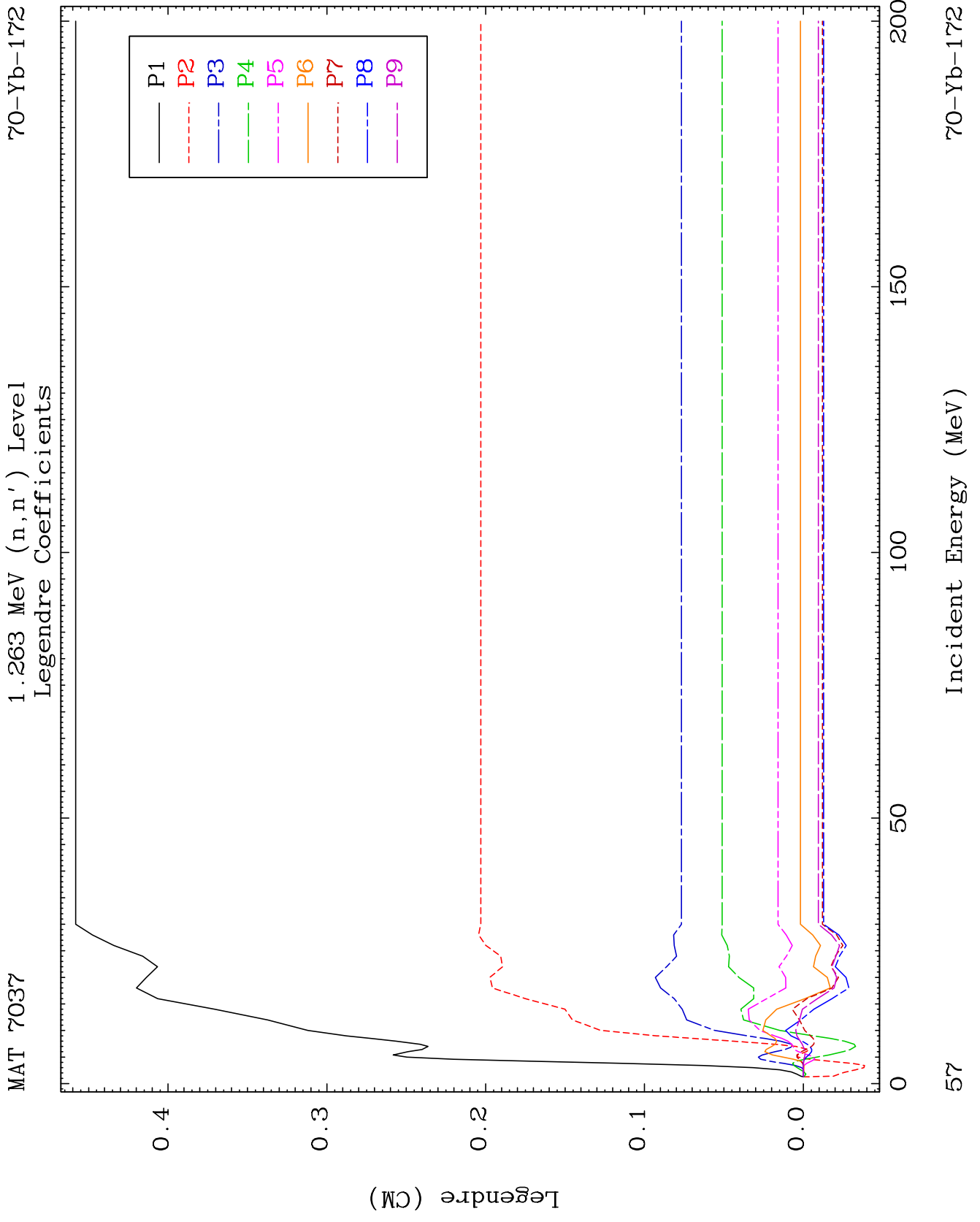


55

Incident Energy (MeV)

70-Yb-172

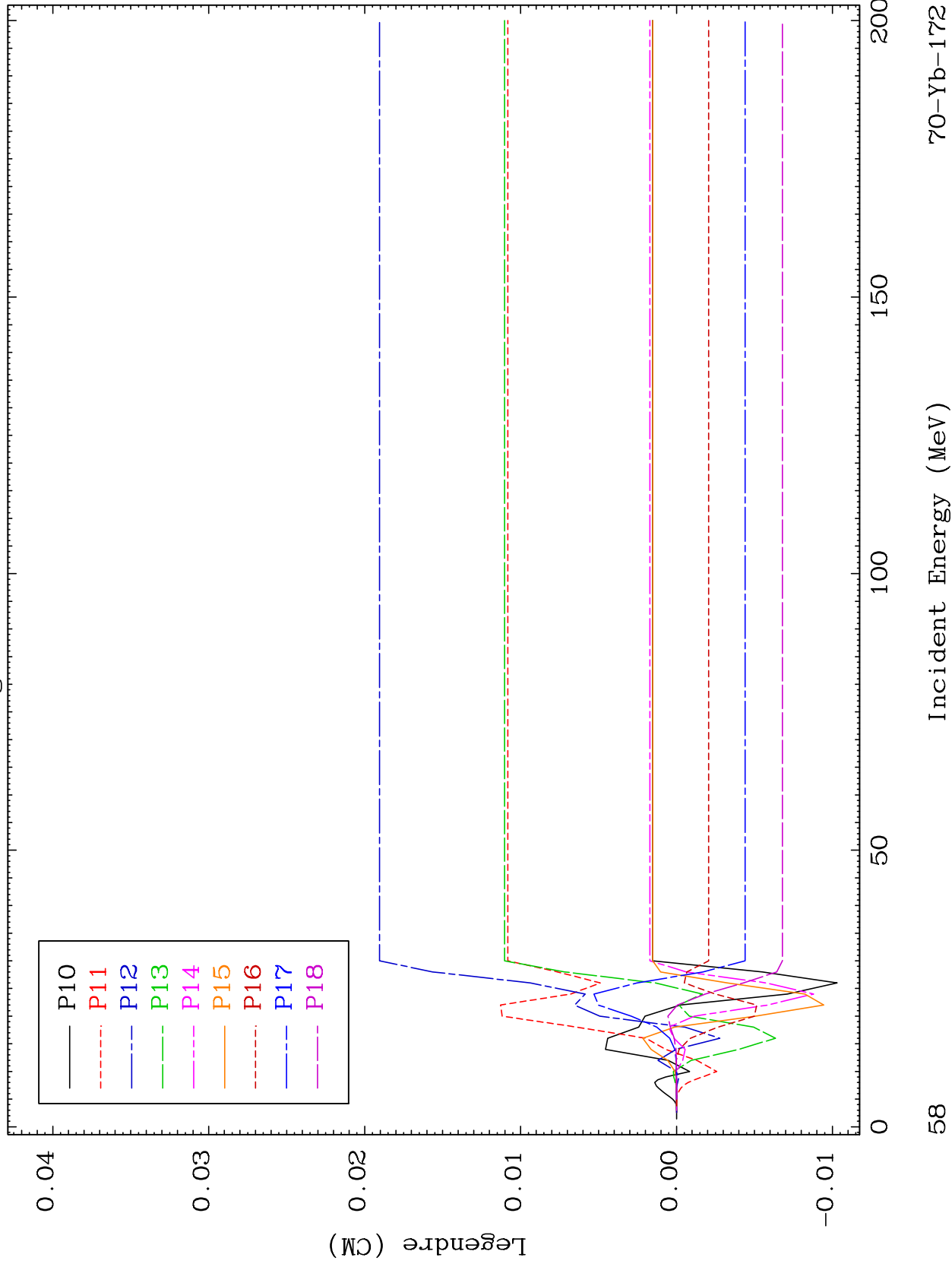




MAT 7037

1.263 MeV (n, n') Level
Legendre Coefficients

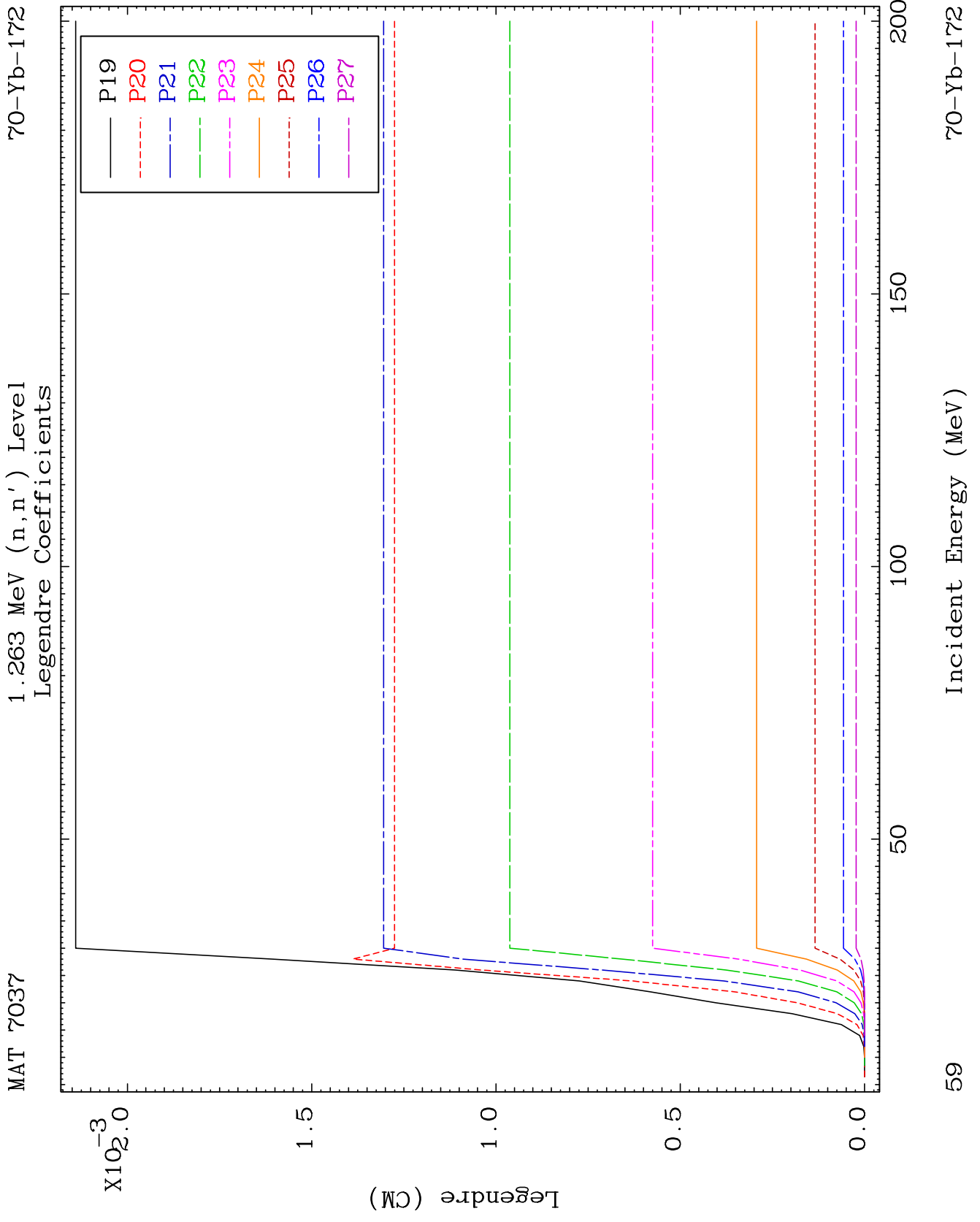
70-Yb-172

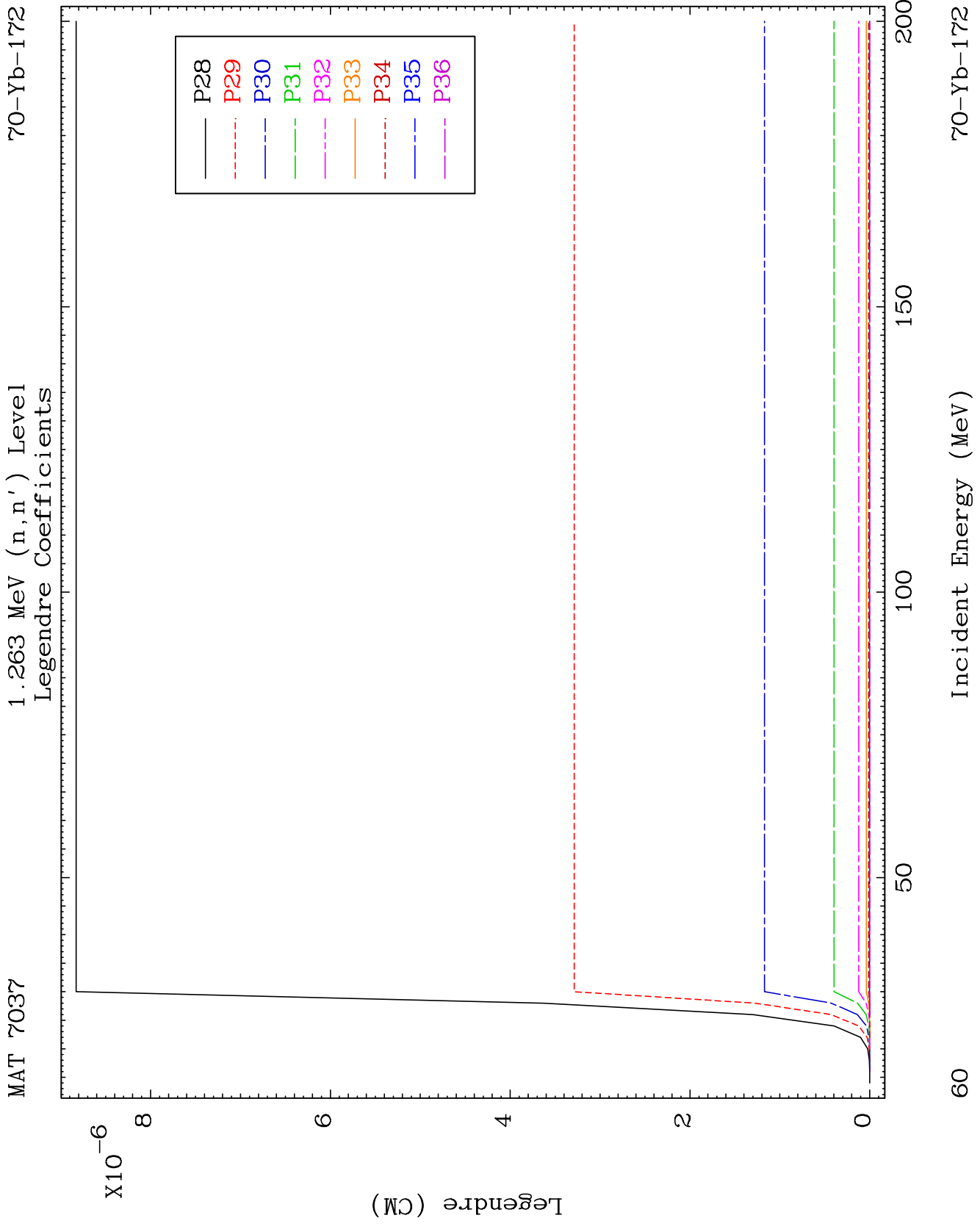


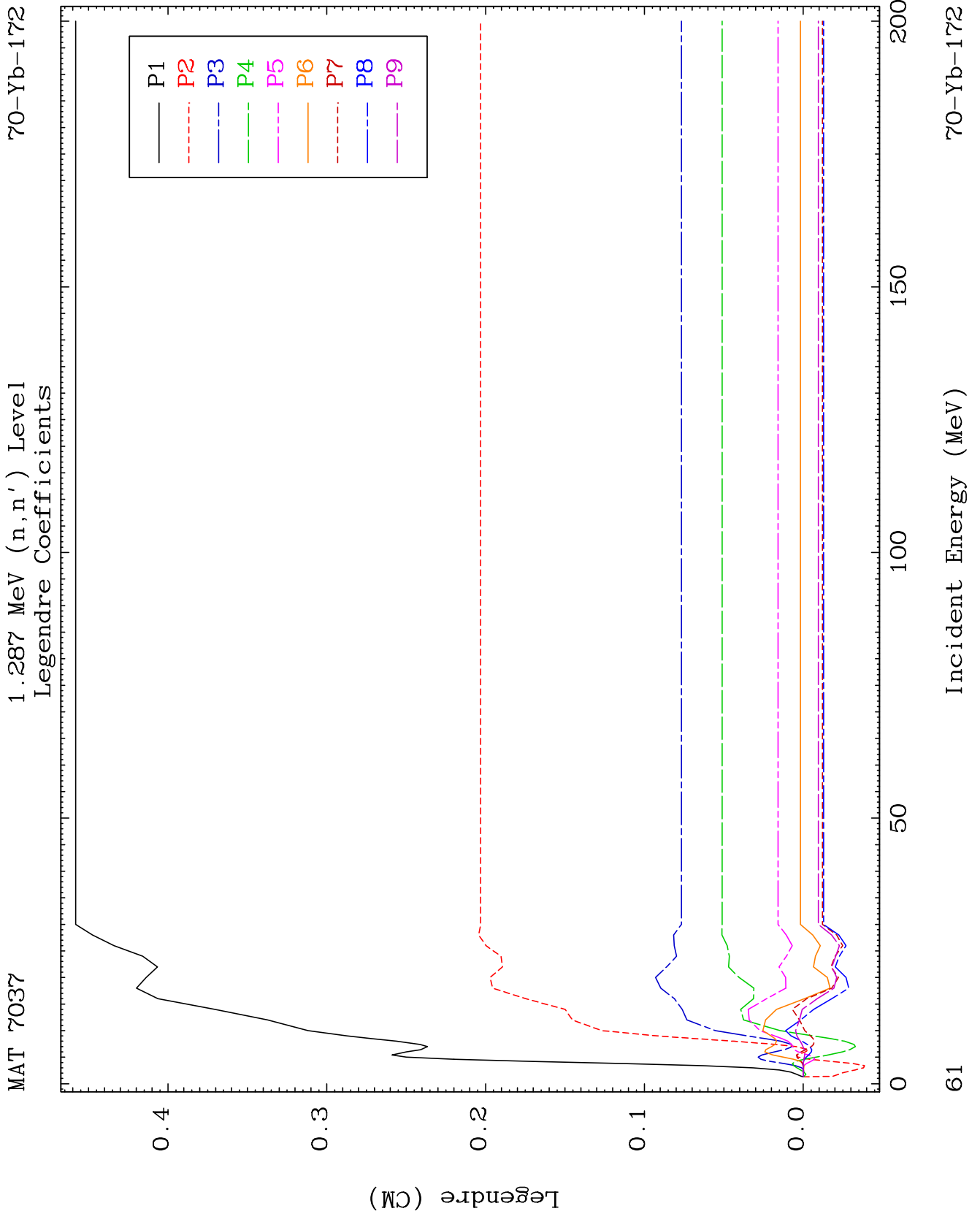
70-Yb-172

Incident Energy (MeV)

58



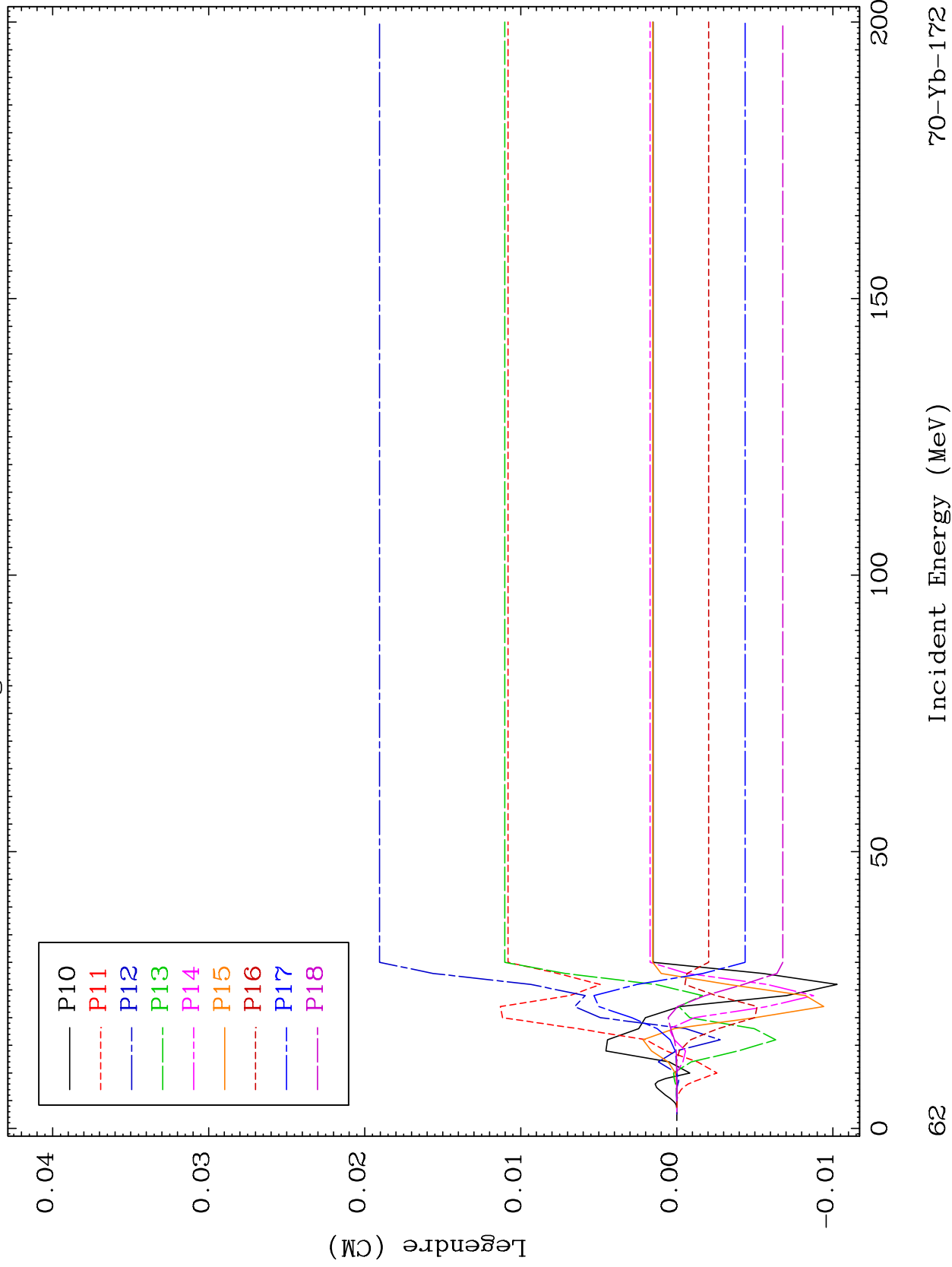




MAT 7037

1.287 MeV (n, n') Level
Legendre Coefficients

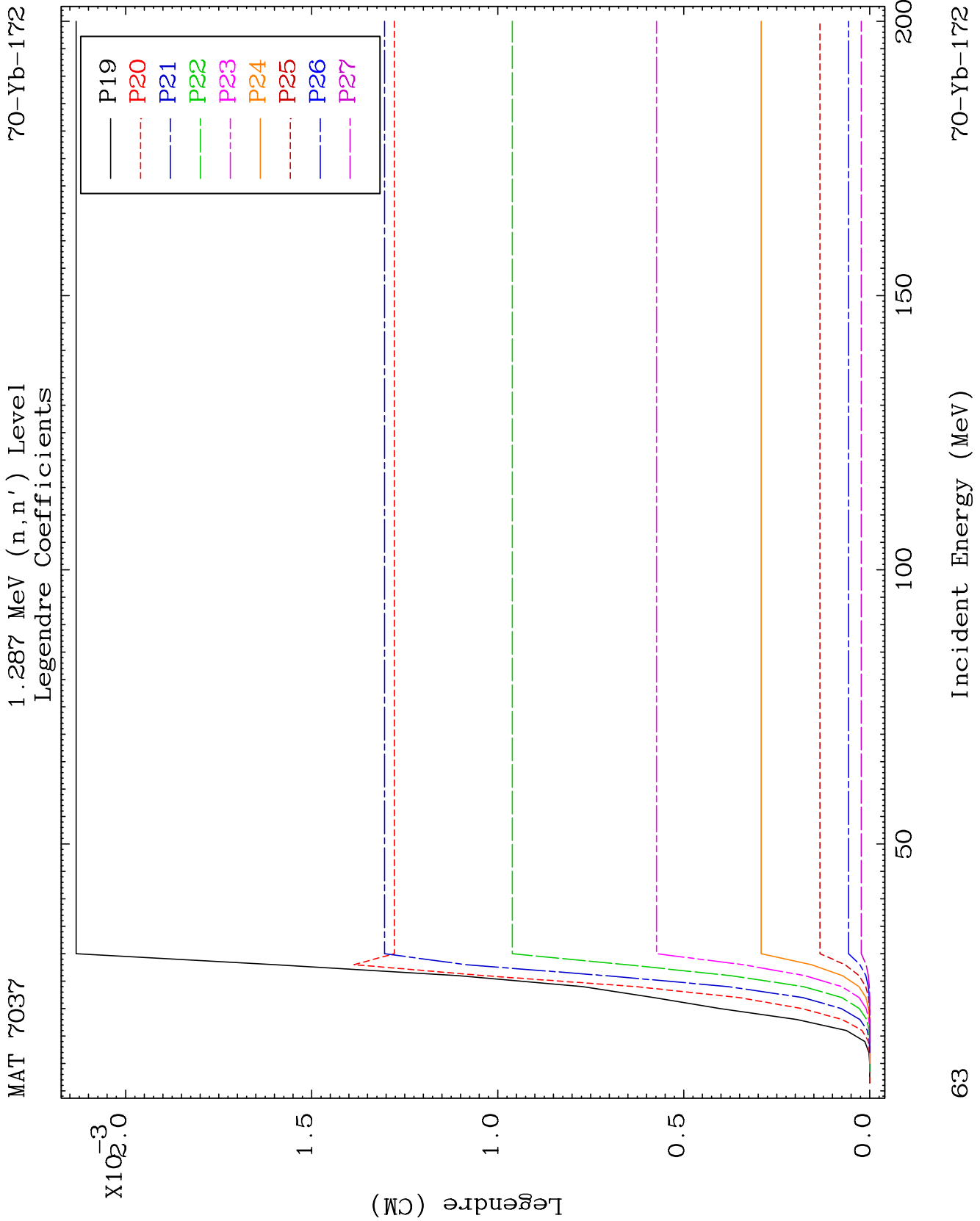
70-Yb-172

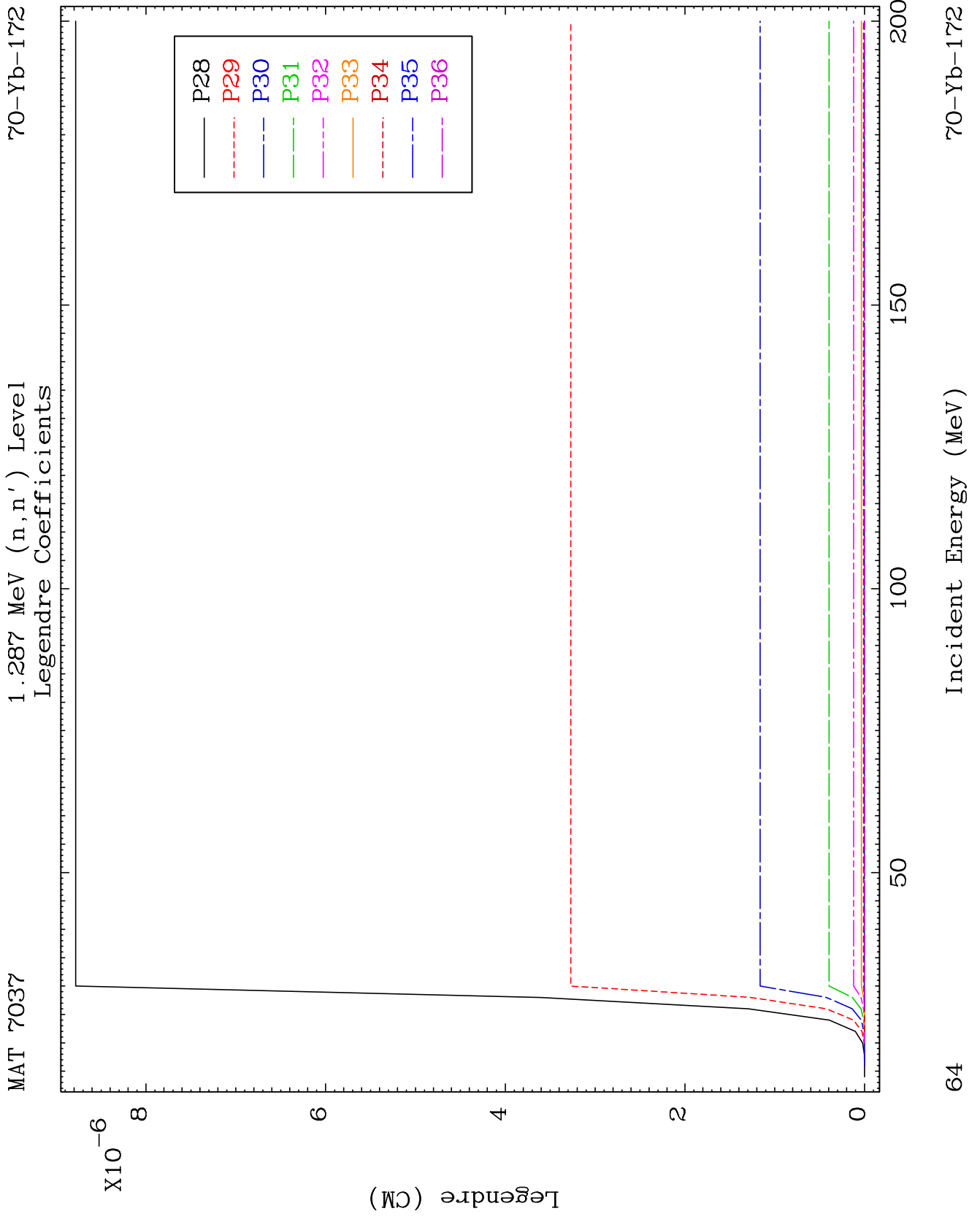


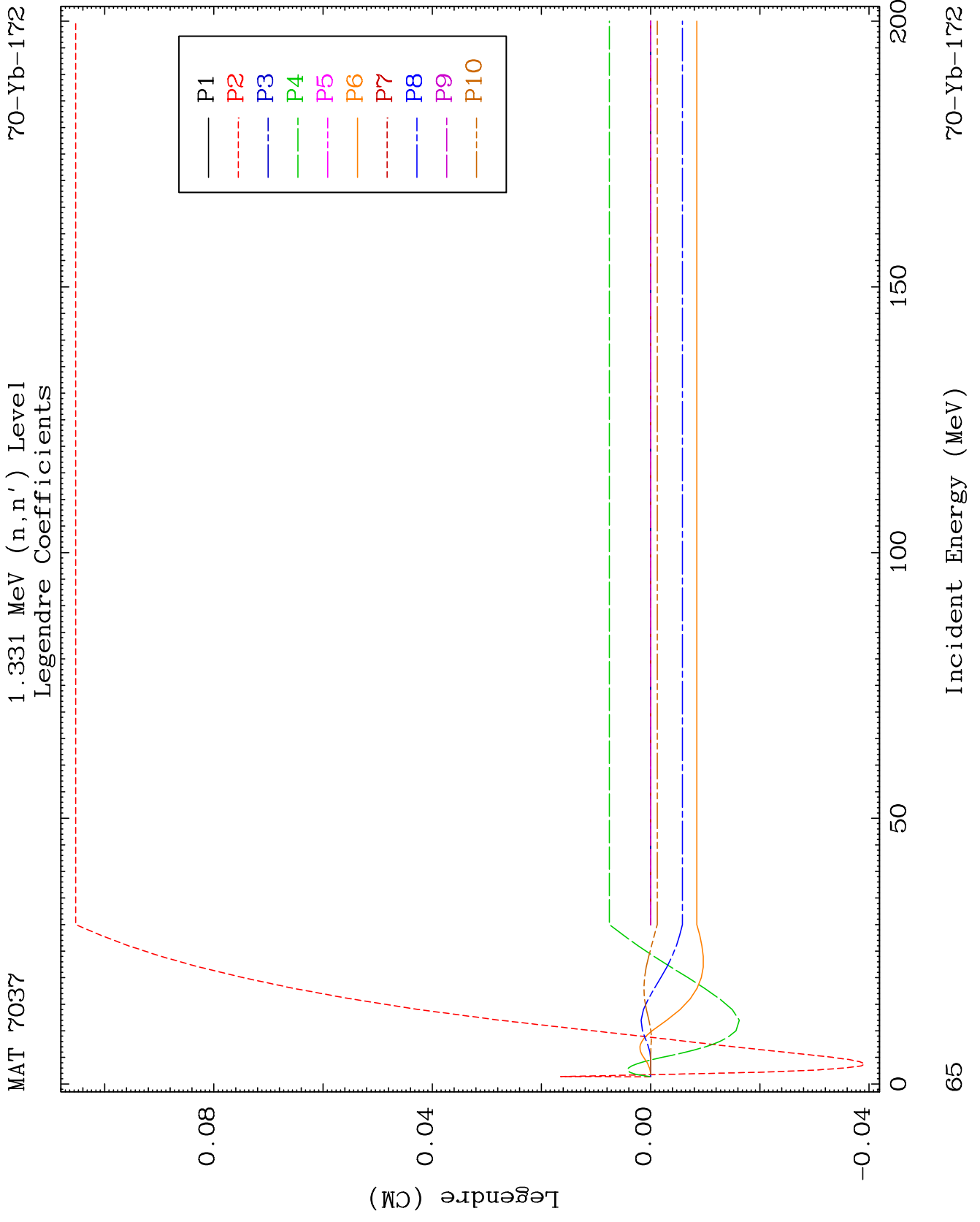
70-Yb-172

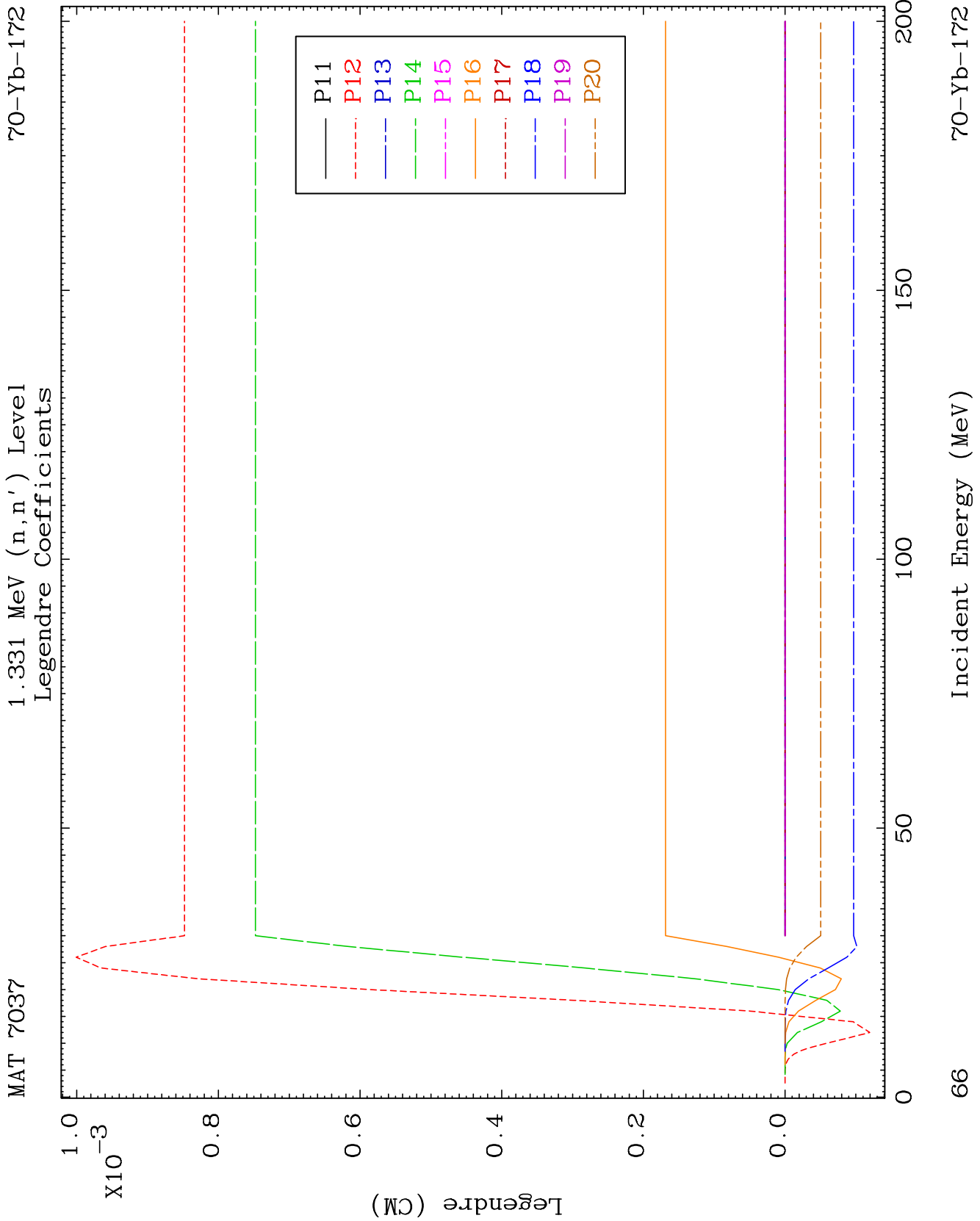
Incident Energy (MeV)

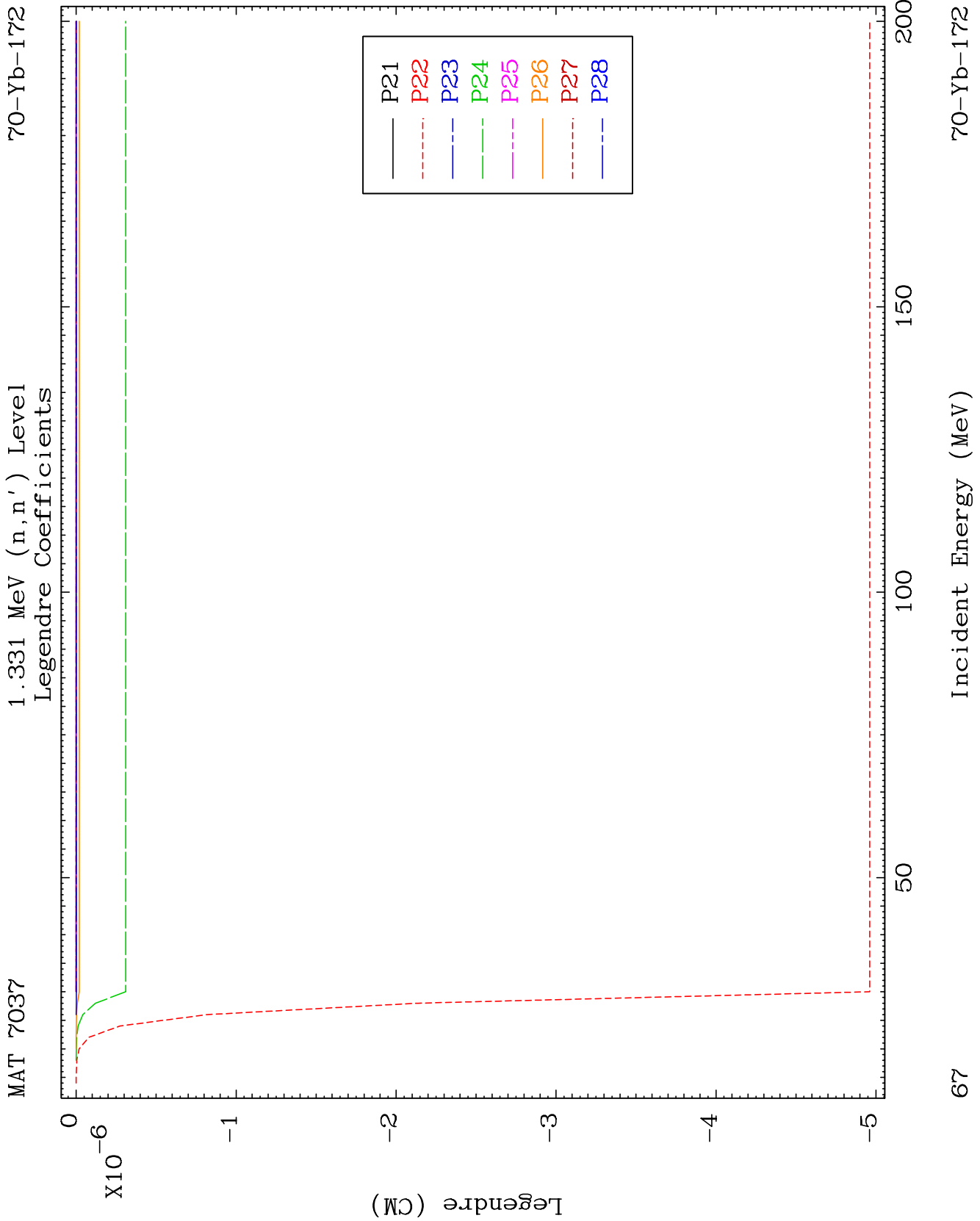
62







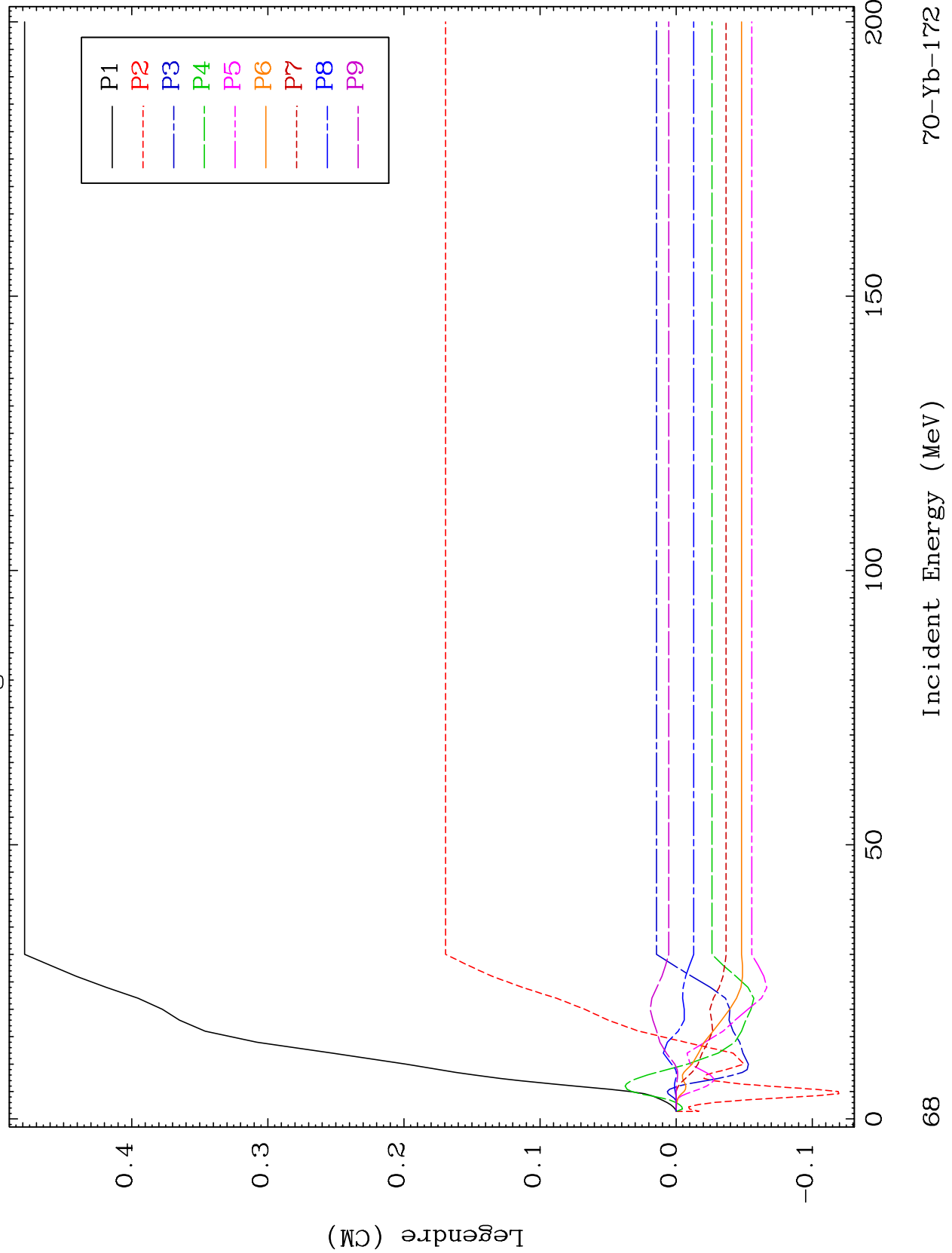




MAT 7037

1.353 MeV (n,n') Level
Legendre Coefficients

70-Yb-172



70-Yb-172

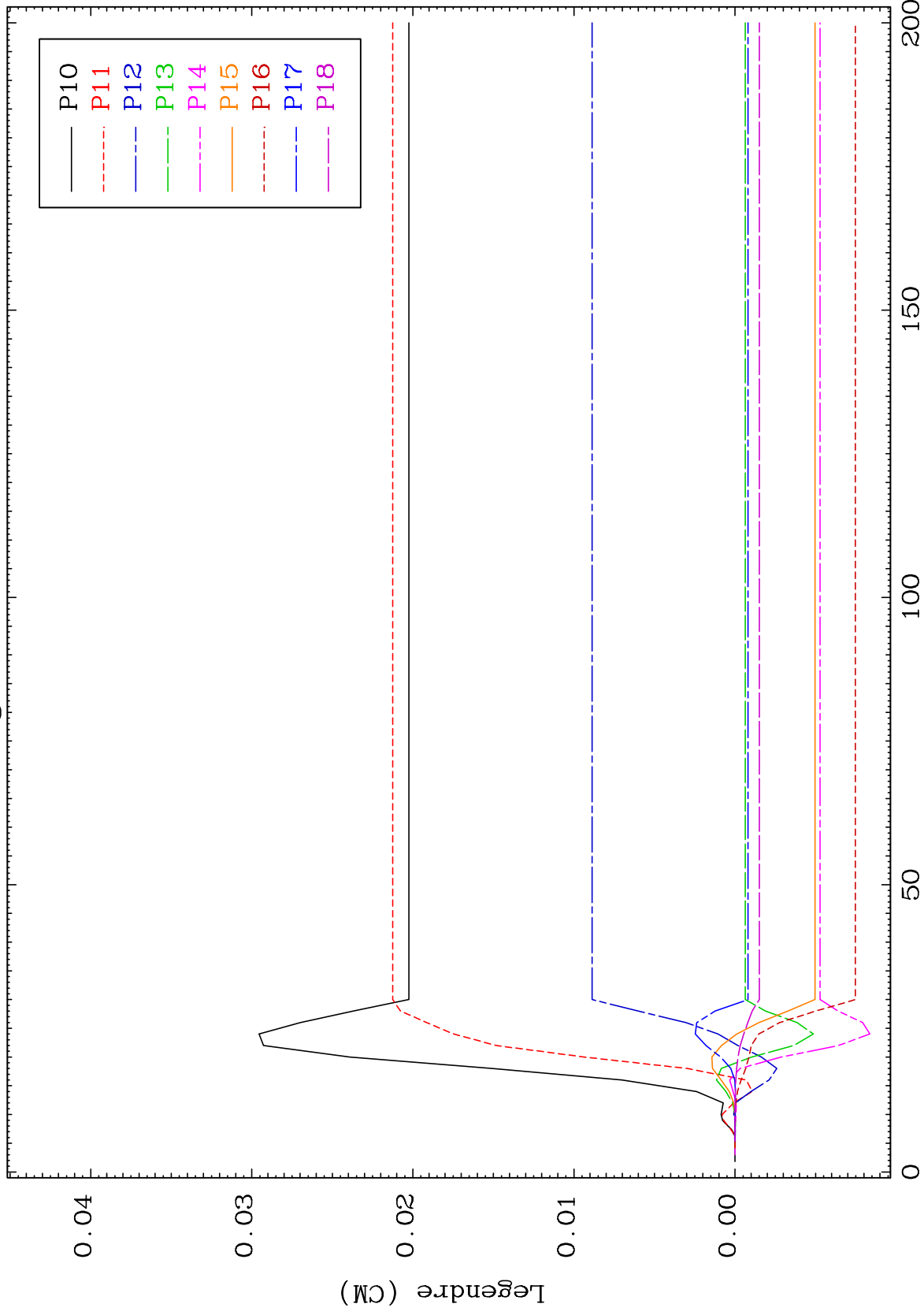
Incident Energy (MeV)

68

MAT 7037

1.353 MeV (n,n') Level
Legendre Coefficients

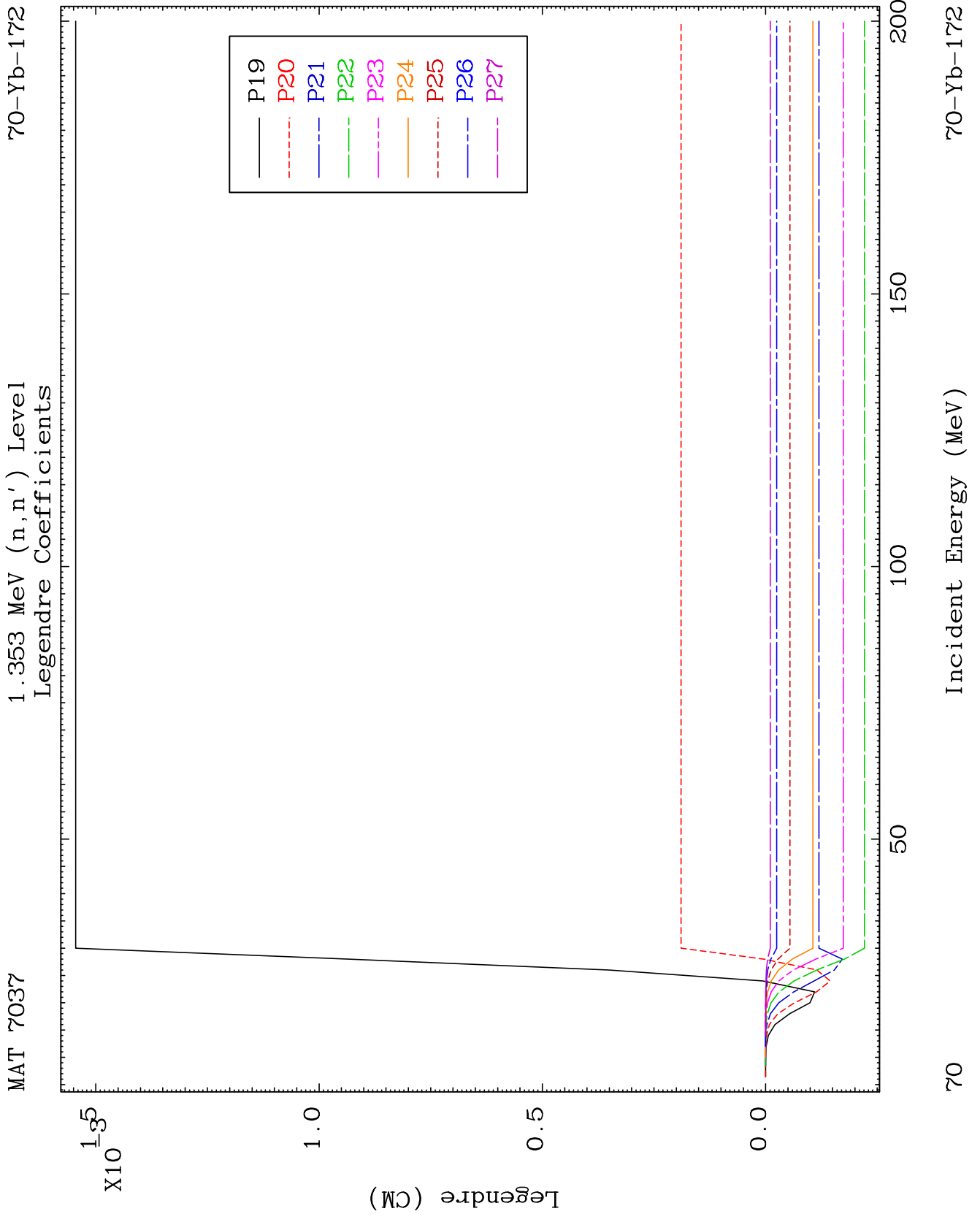
70-Yb-172

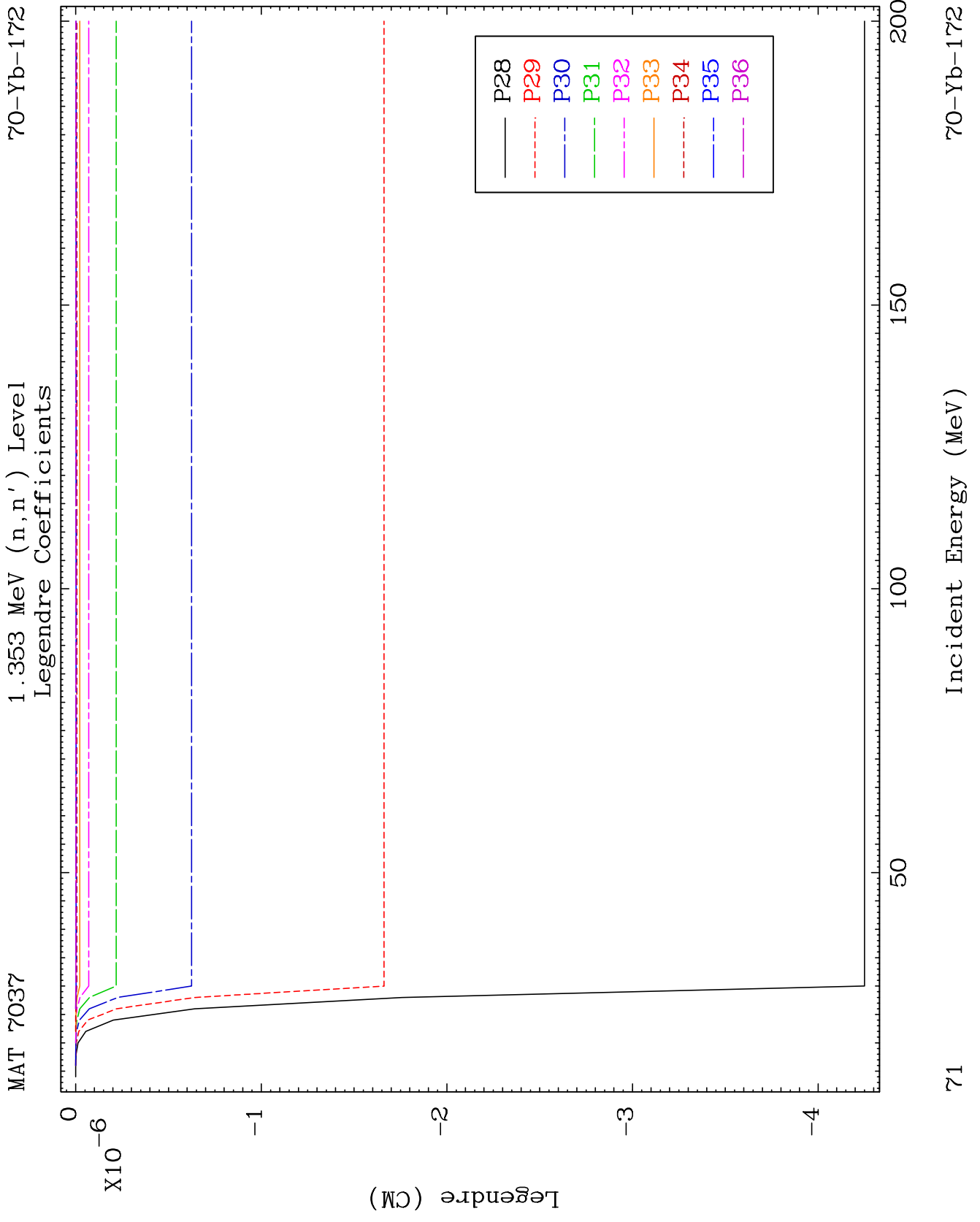


69

Incident Energy (MeV)

70-Yb-172

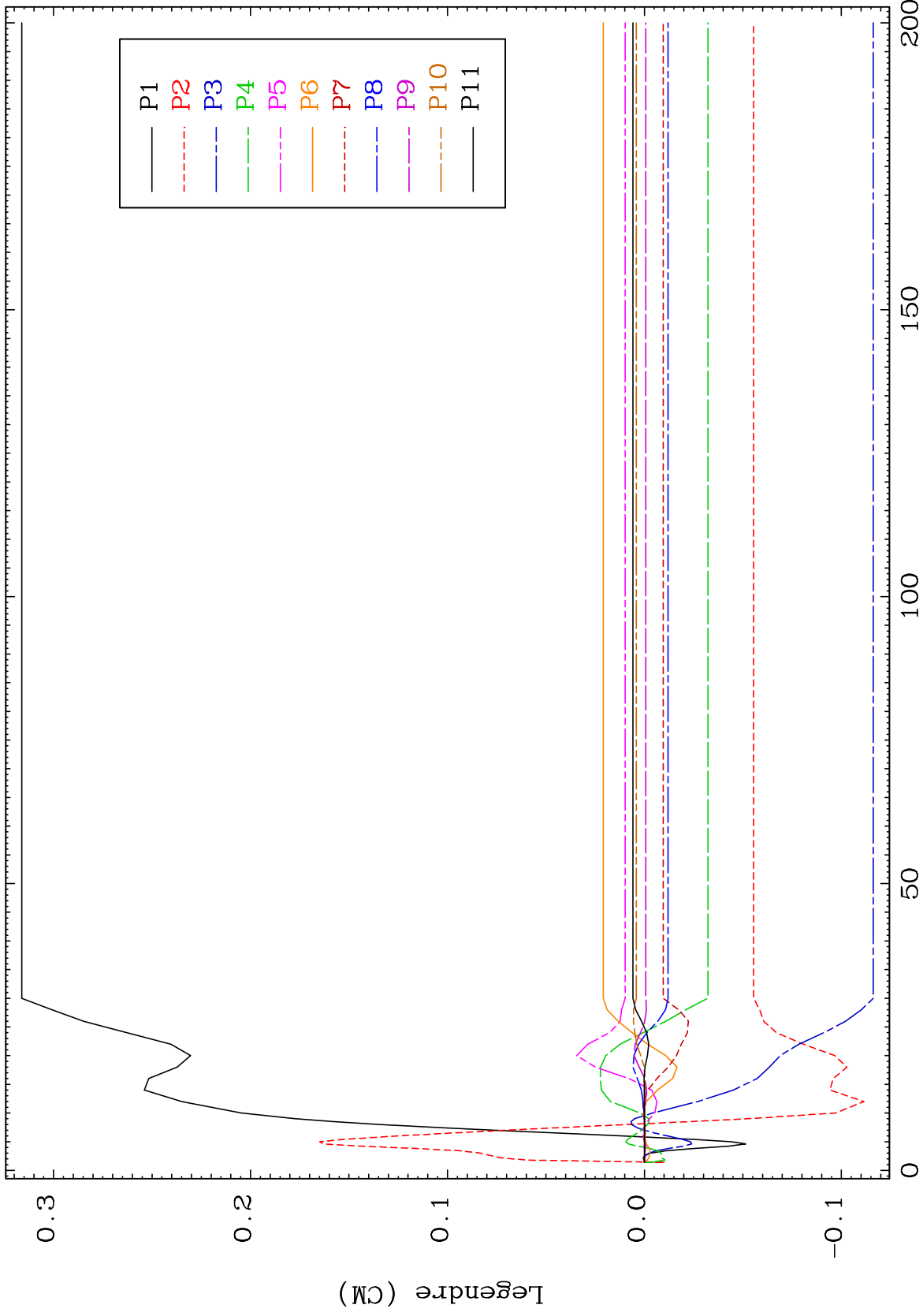




MAT 7037

1.370 MeV (n,n') Level
Legendre Coefficients

70-Yb-172



72

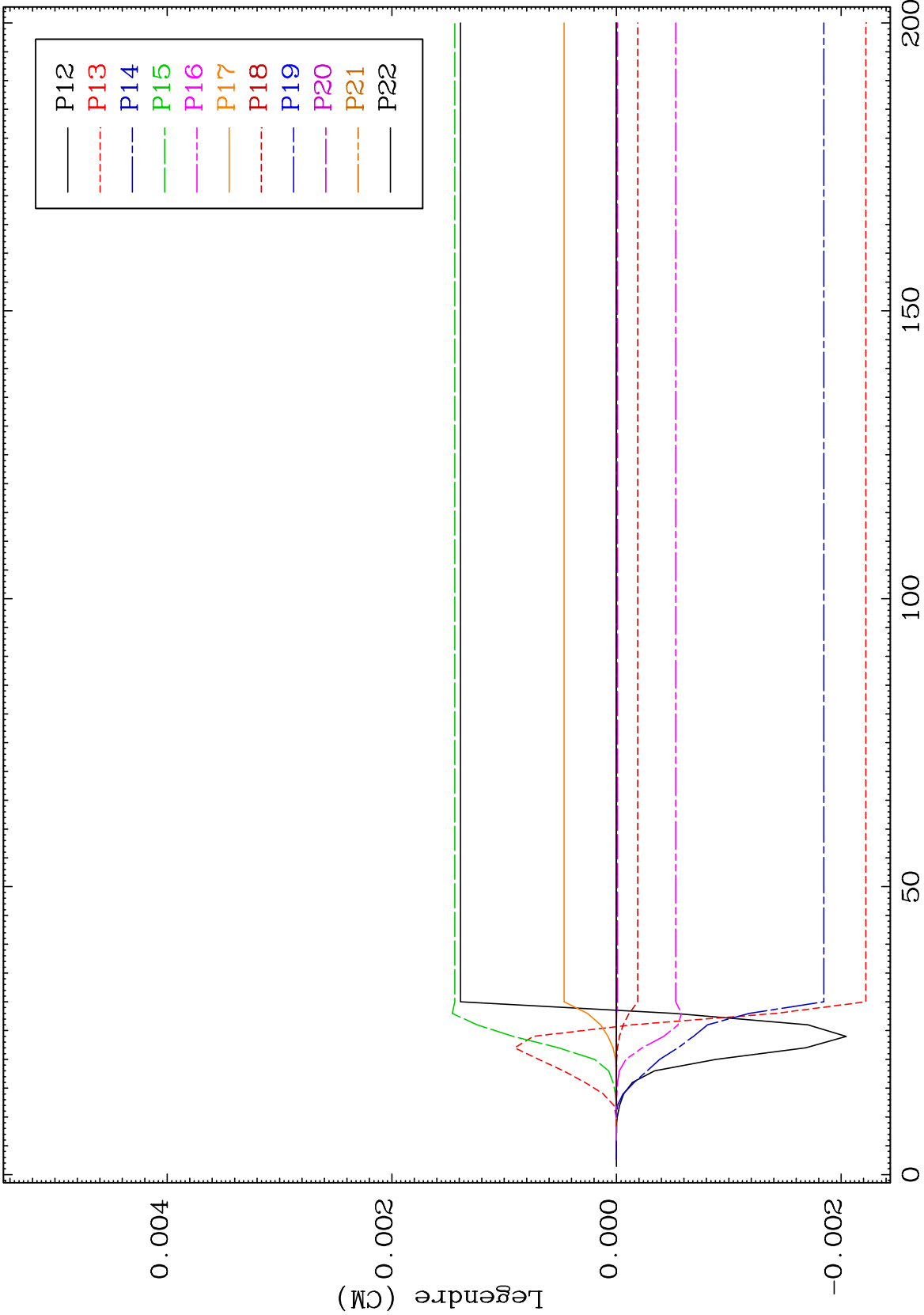
Incident Energy (MeV)

70-Yb-172

MAT 7037

1.370 MeV (n,n') Level
Legendre Coefficients

70-Yb-172



73

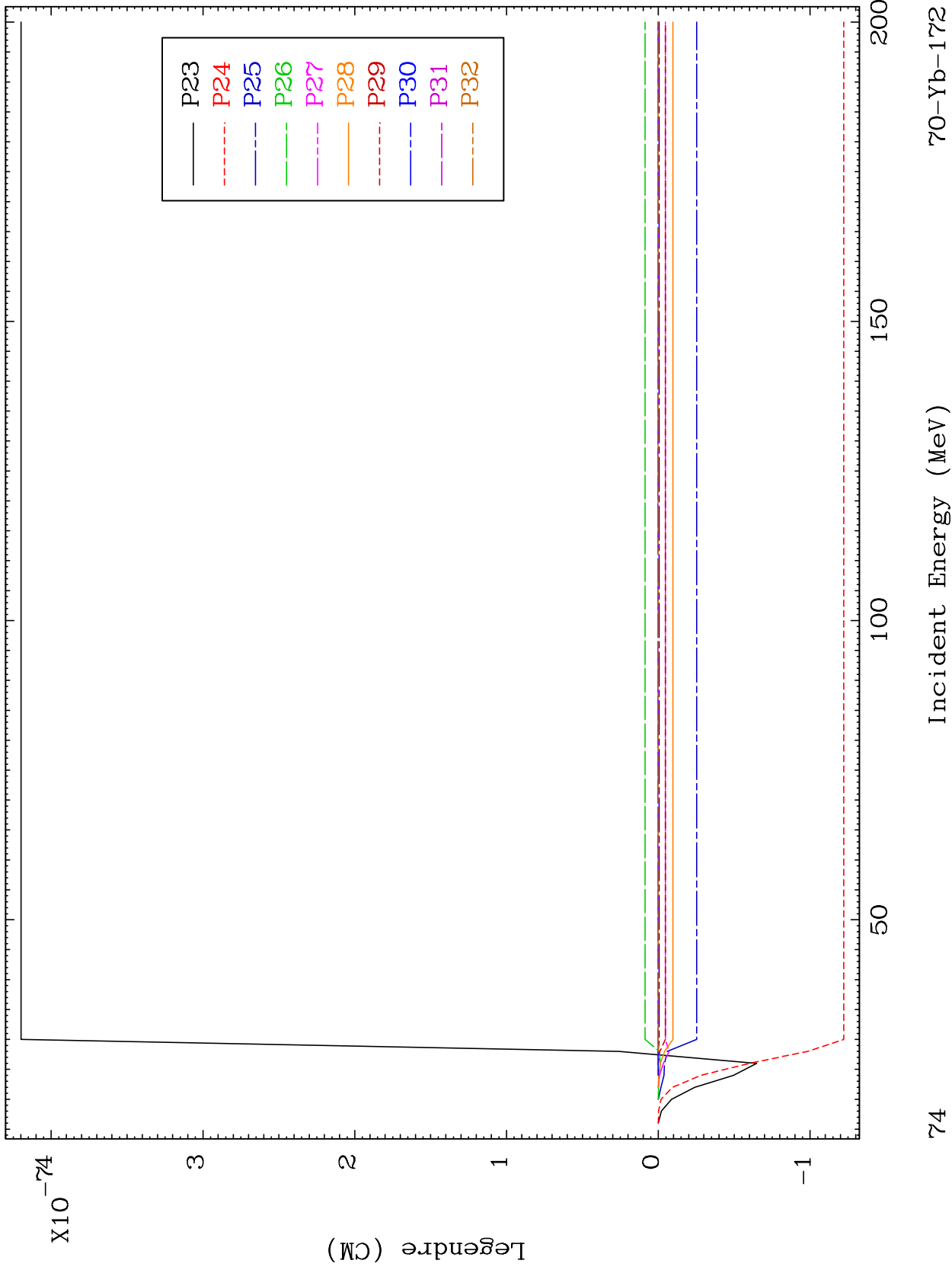
Incident Energy (MeV)

70-Yb-172

MAT 7037

1.370 MeV (n,n') Level
Legendre Coefficients

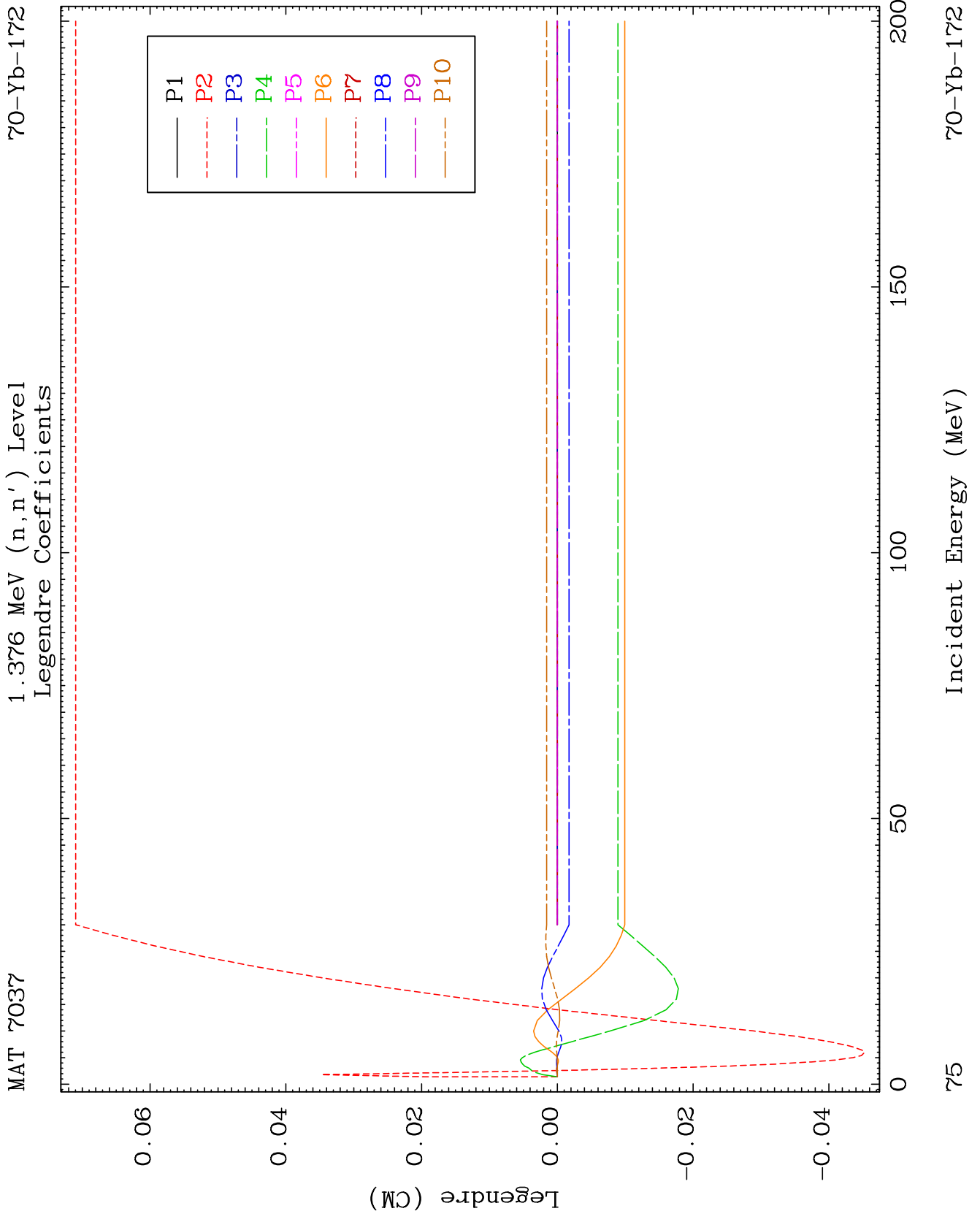
70-Yb-172

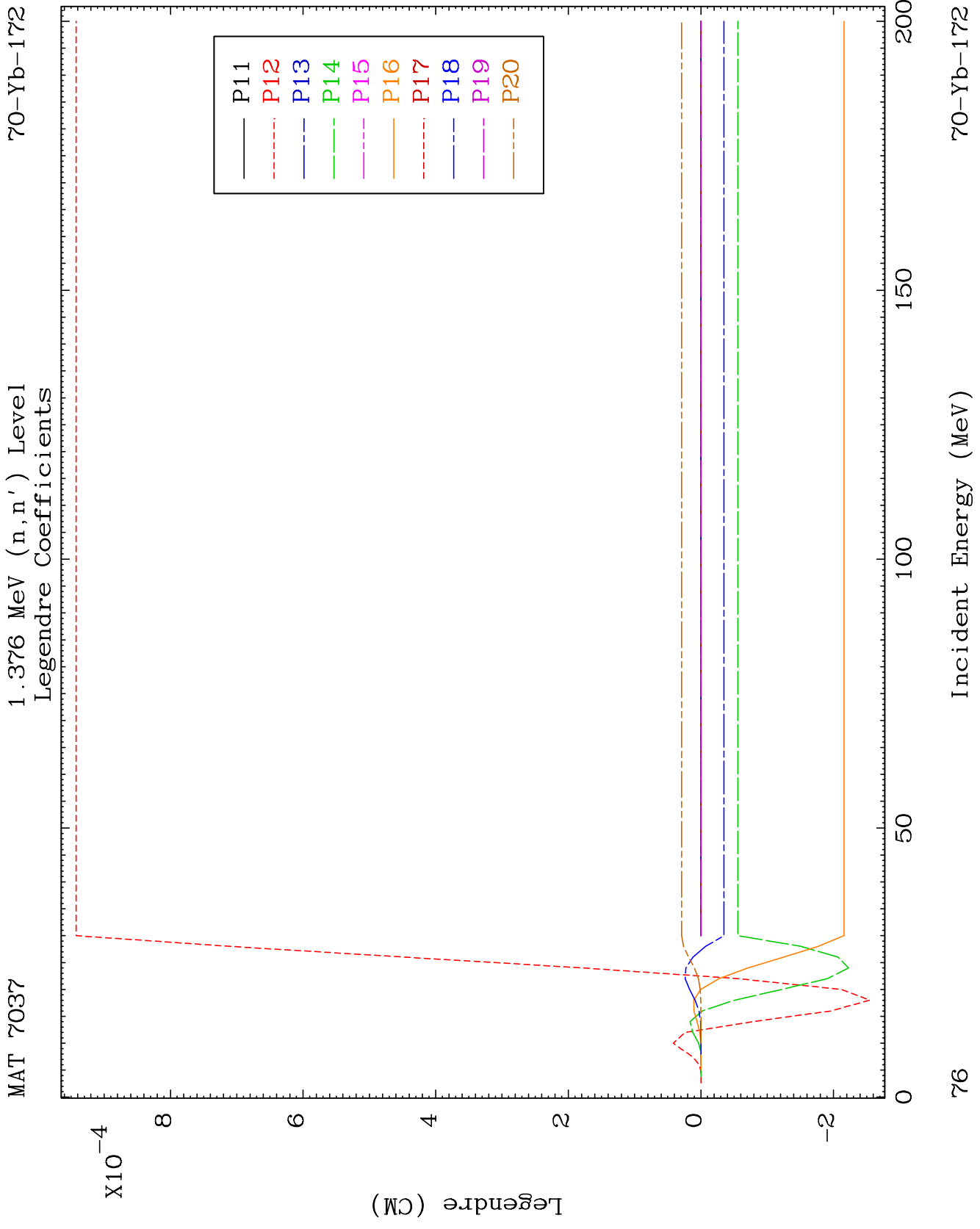


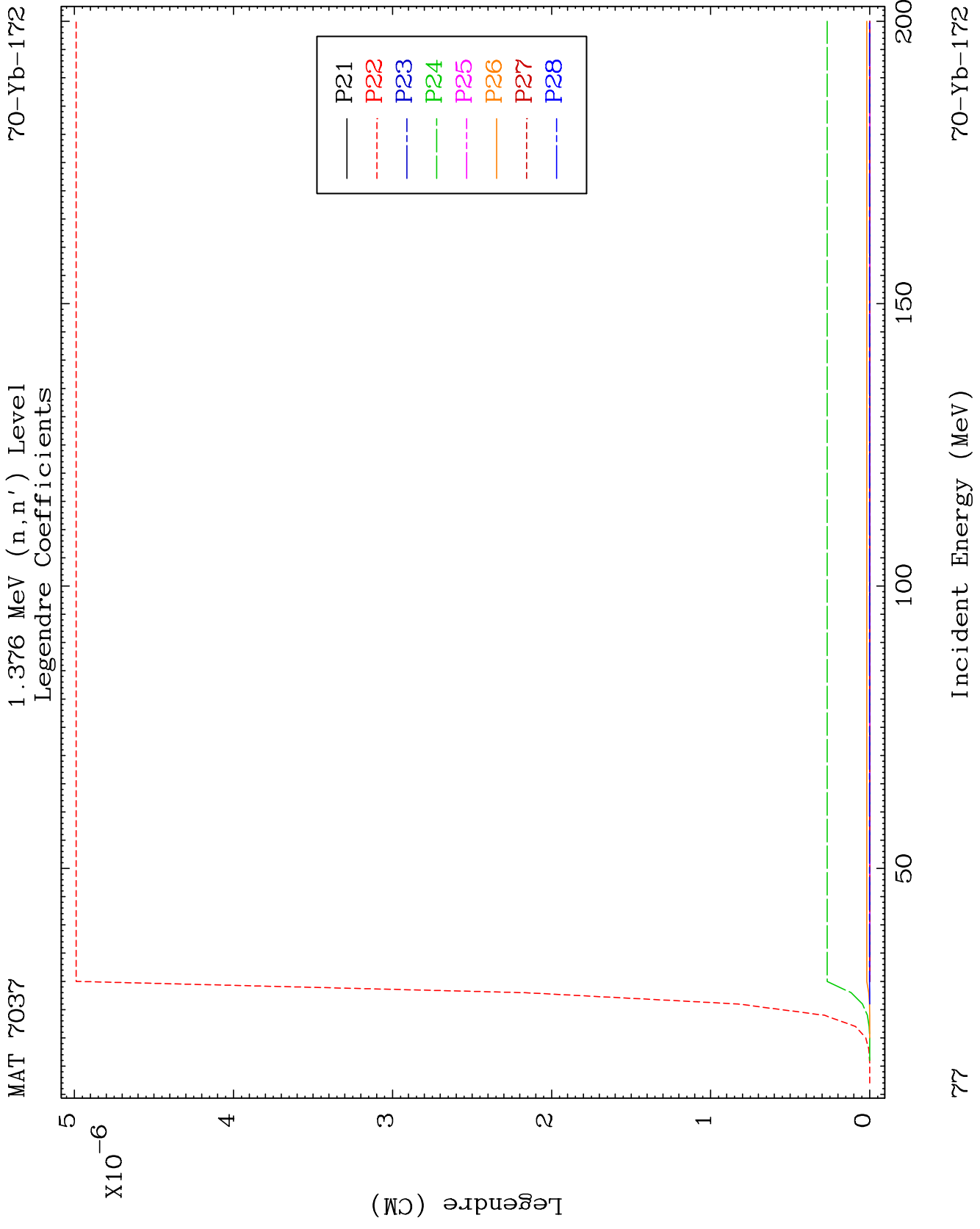
74

Incident Energy (MeV)

70-Yb-172



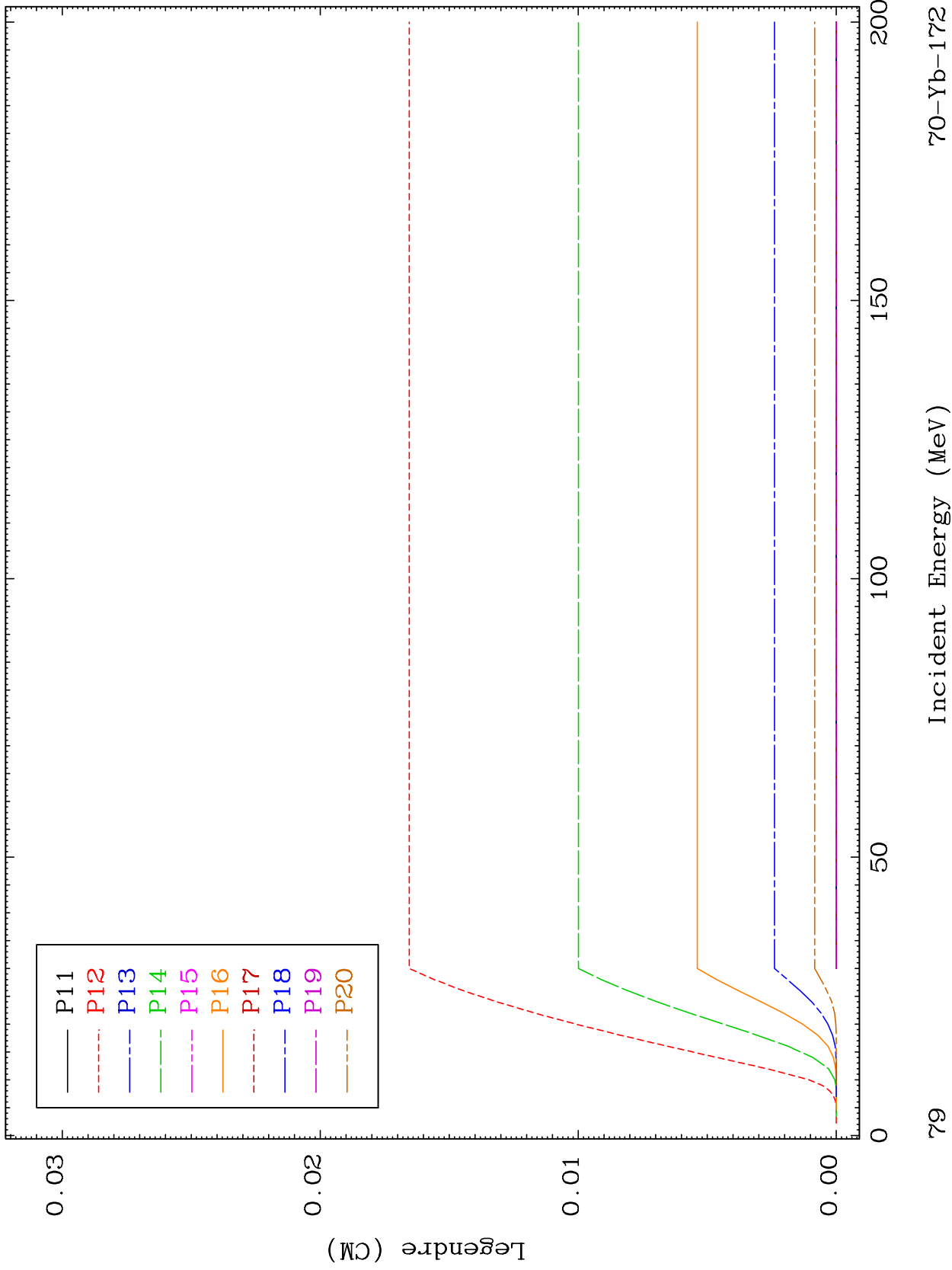




MAT 7037

1.405 MeV (n,n') Level
Legendre Coefficients

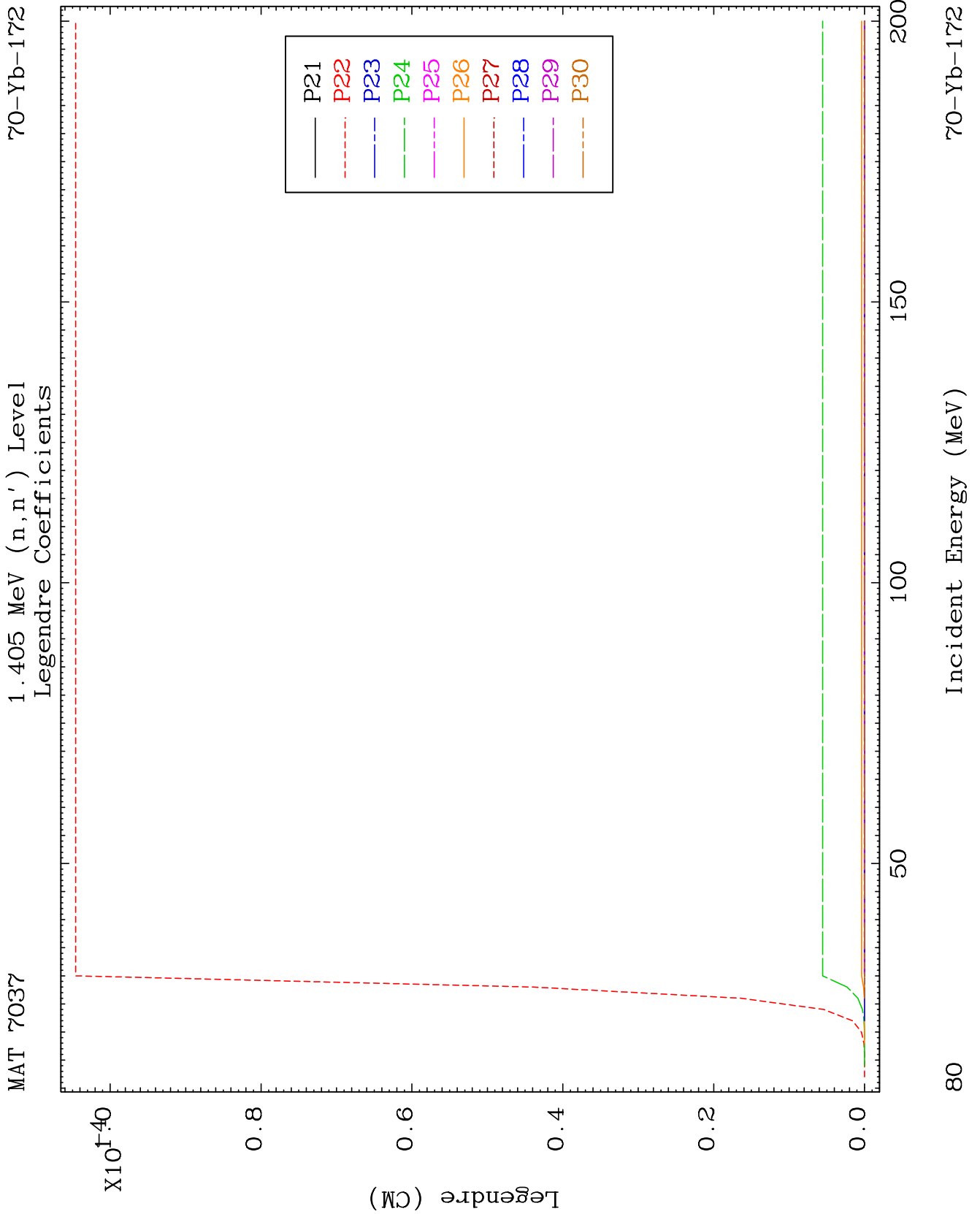
70-Yb-172



79

Incident Energy (MeV)

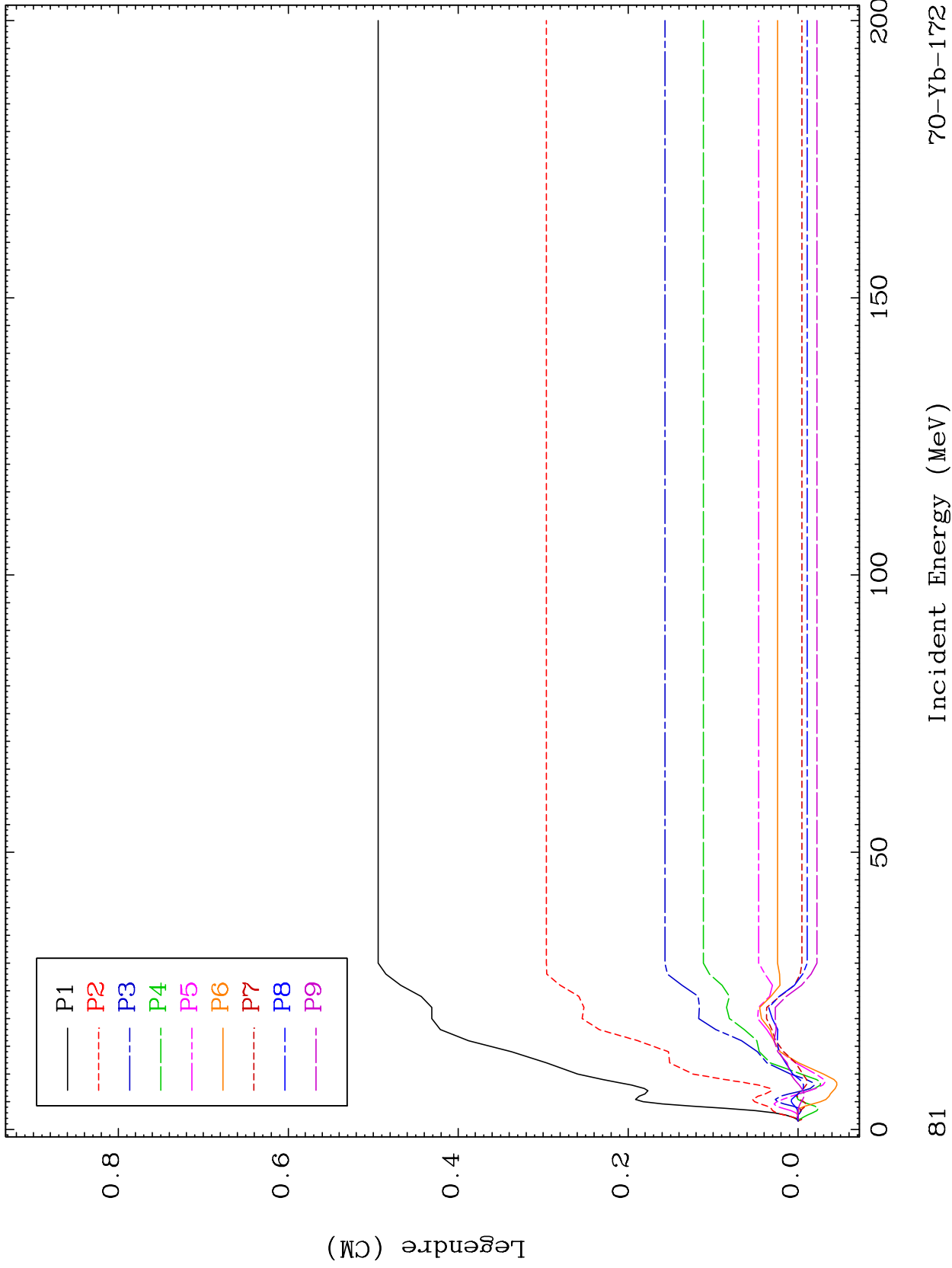
70-Yb-172



MAT 7037

1.466 MeV (n,n') Level
Legendre Coefficients

70-Yb-172



81

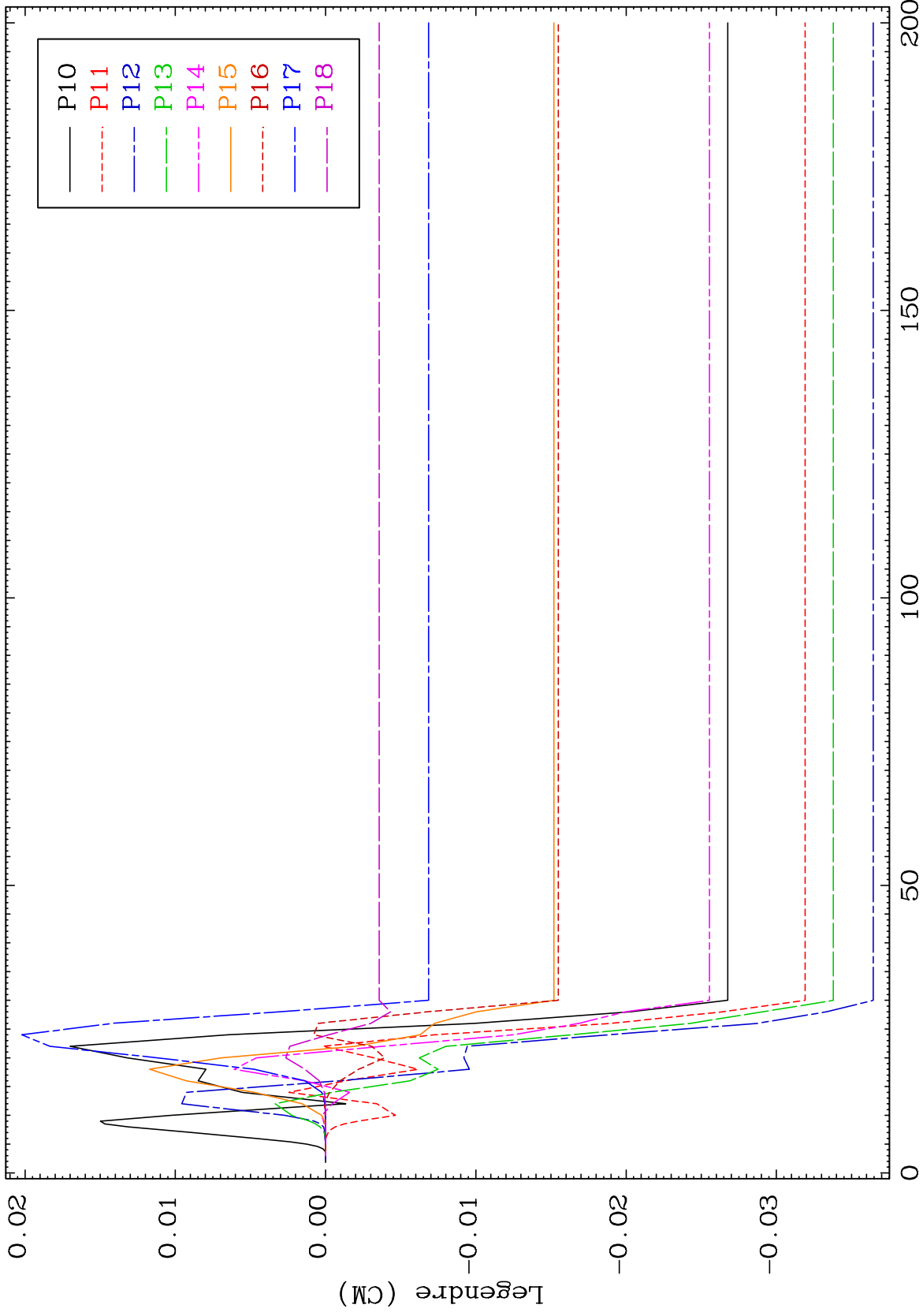
Incident Energy (MeV)

70-Yb-172

MAT 7037

1.466 MeV (n,n') Level
Legendre Coefficients

70-Yb-172



82

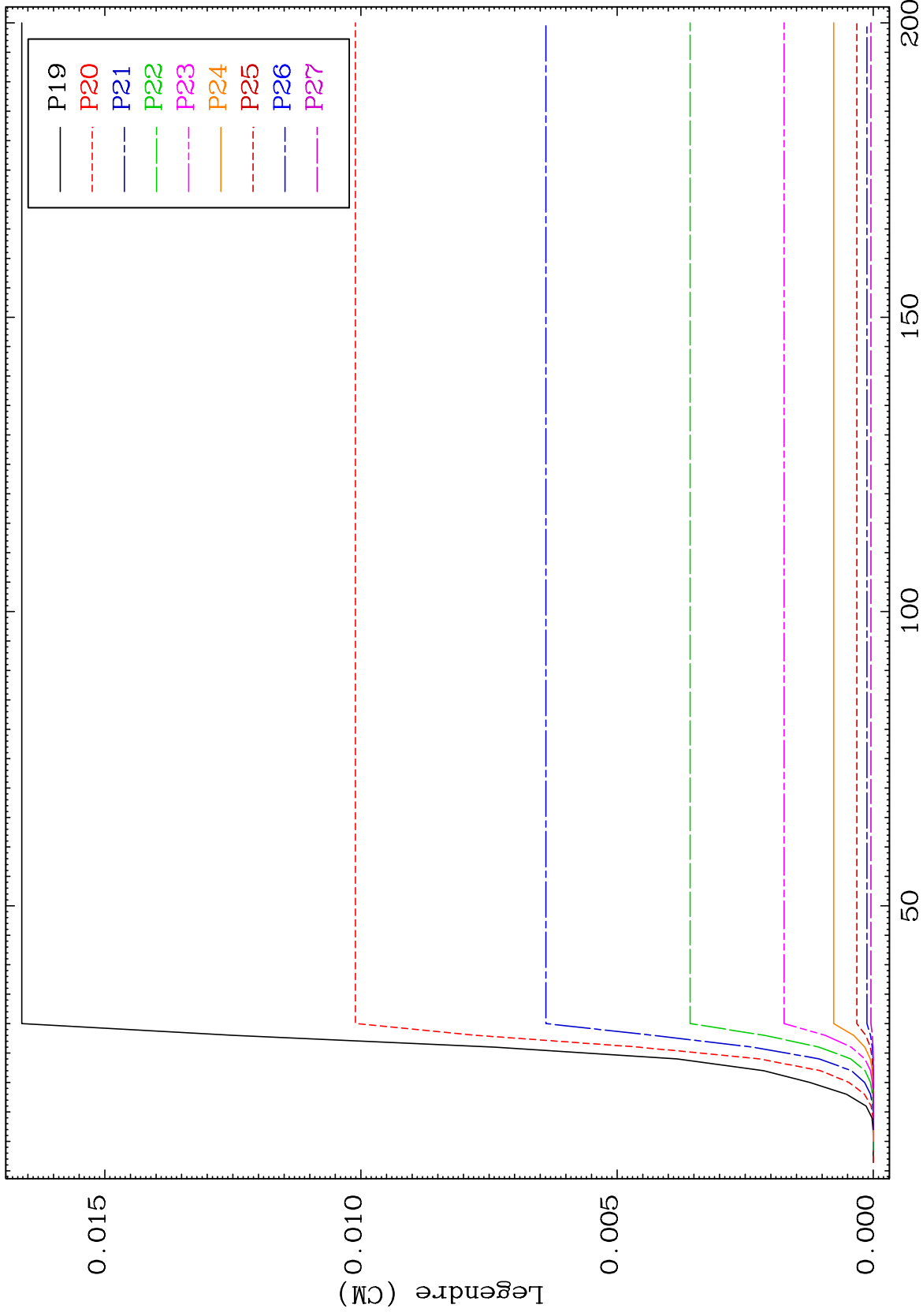
Incident Energy (MeV)

70-Yb-172

MAT 7037

1.466 MeV (n,n') Level
Legendre Coefficients

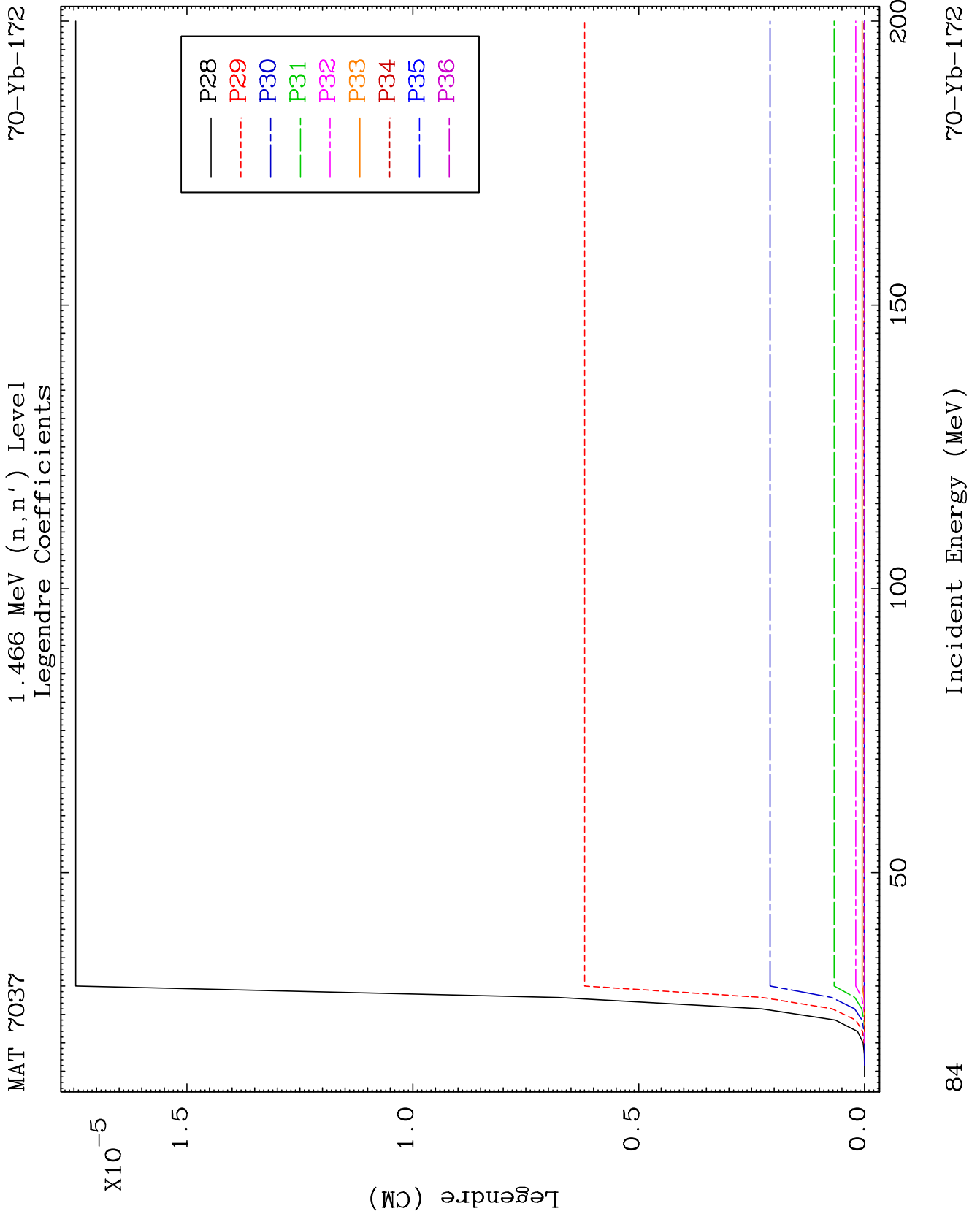
70-Yb-172



83

Incident Energy (MeV)

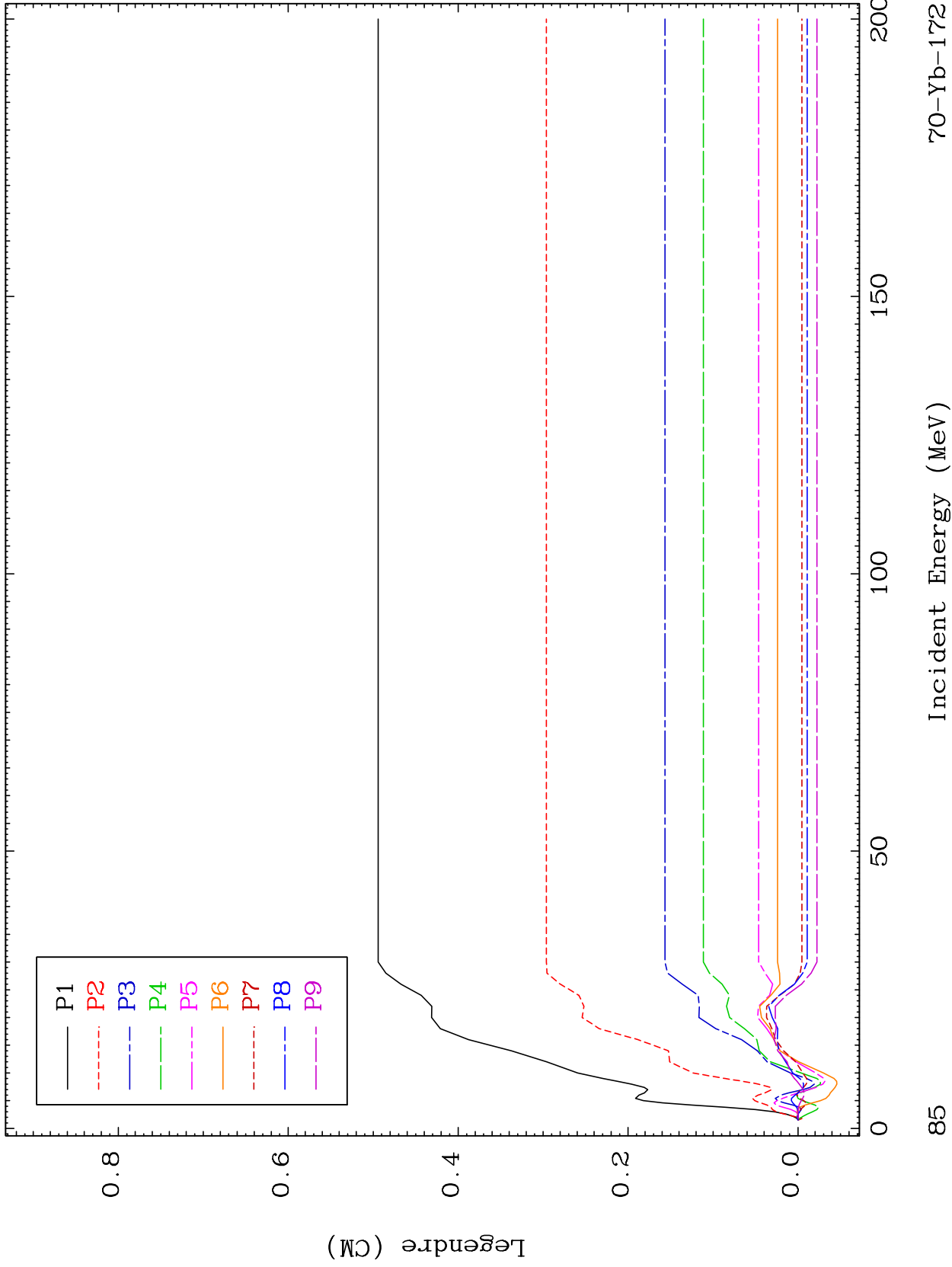
70-Yb-172



MAT 7037

1.477 MeV (n,n') Level
Legendre Coefficients

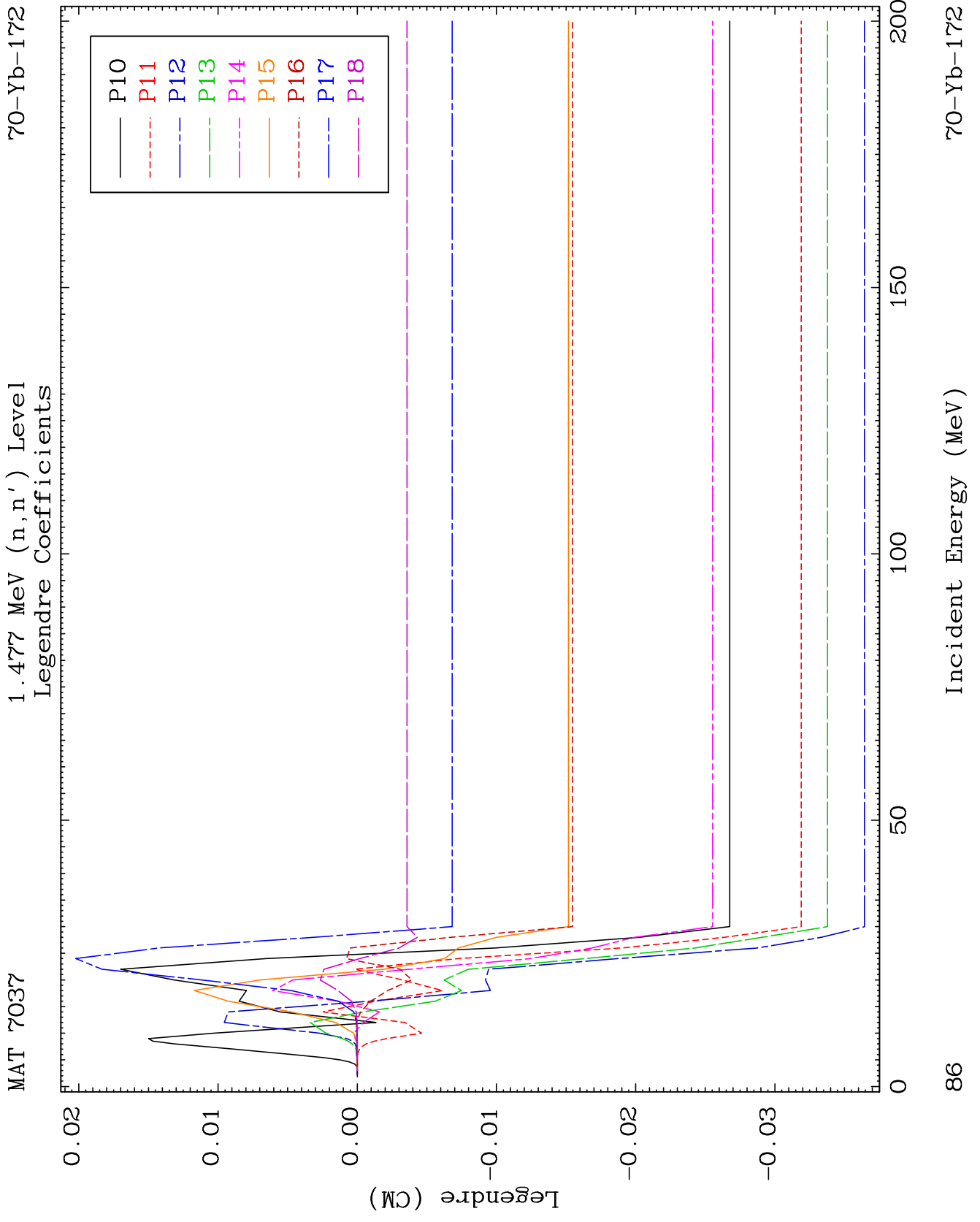
70-Yb-172

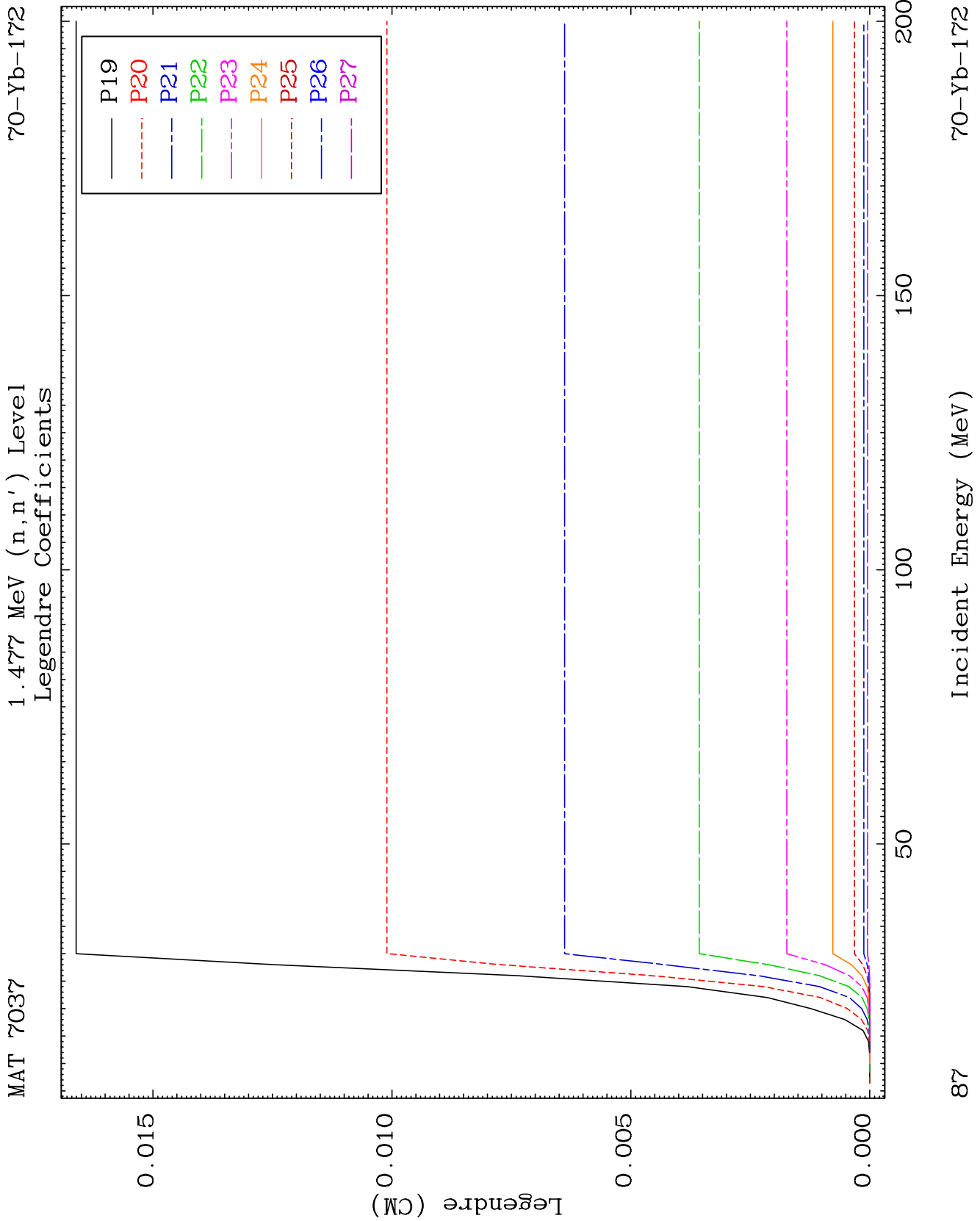


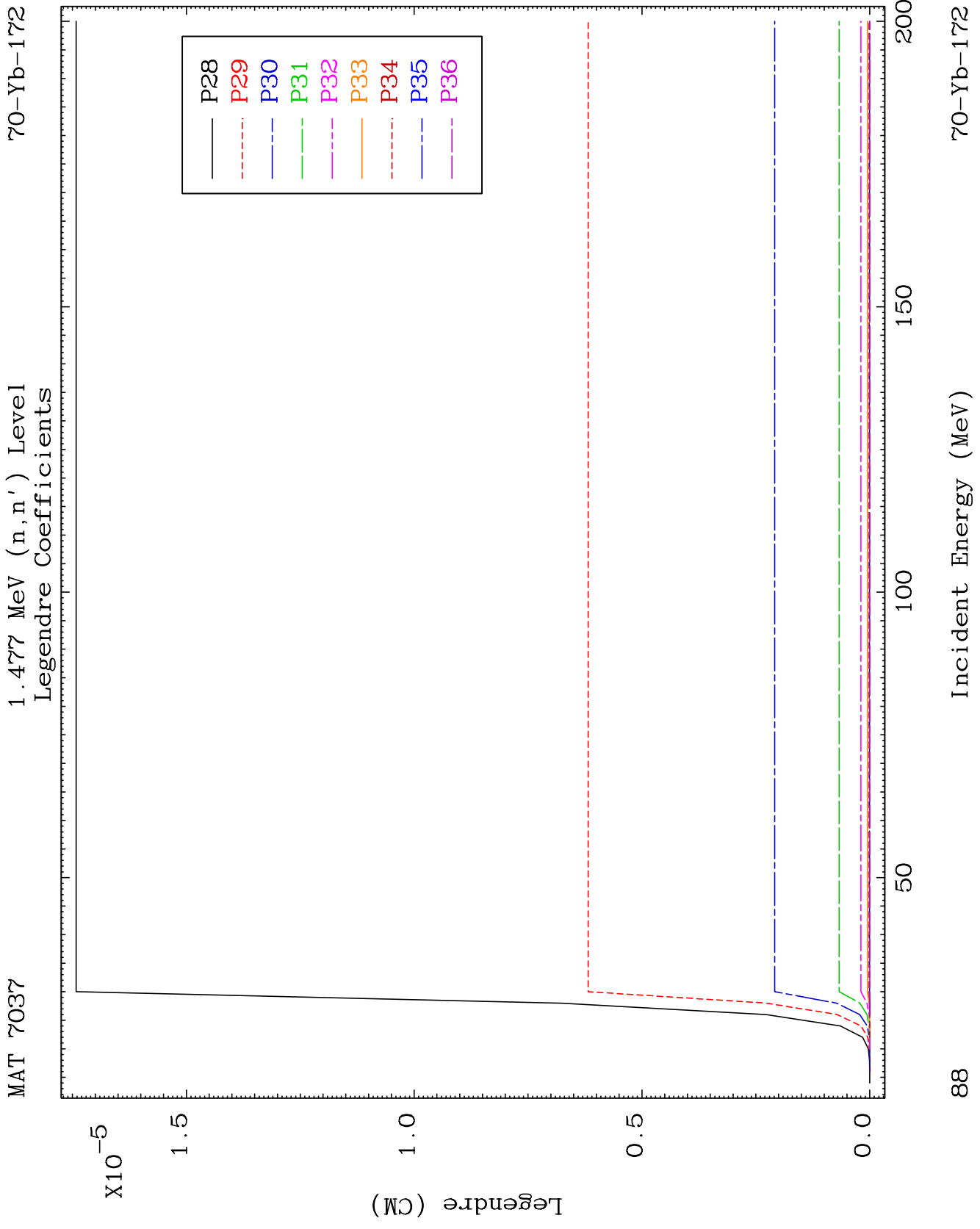
70-Yb-172

Incident Energy (MeV)

85



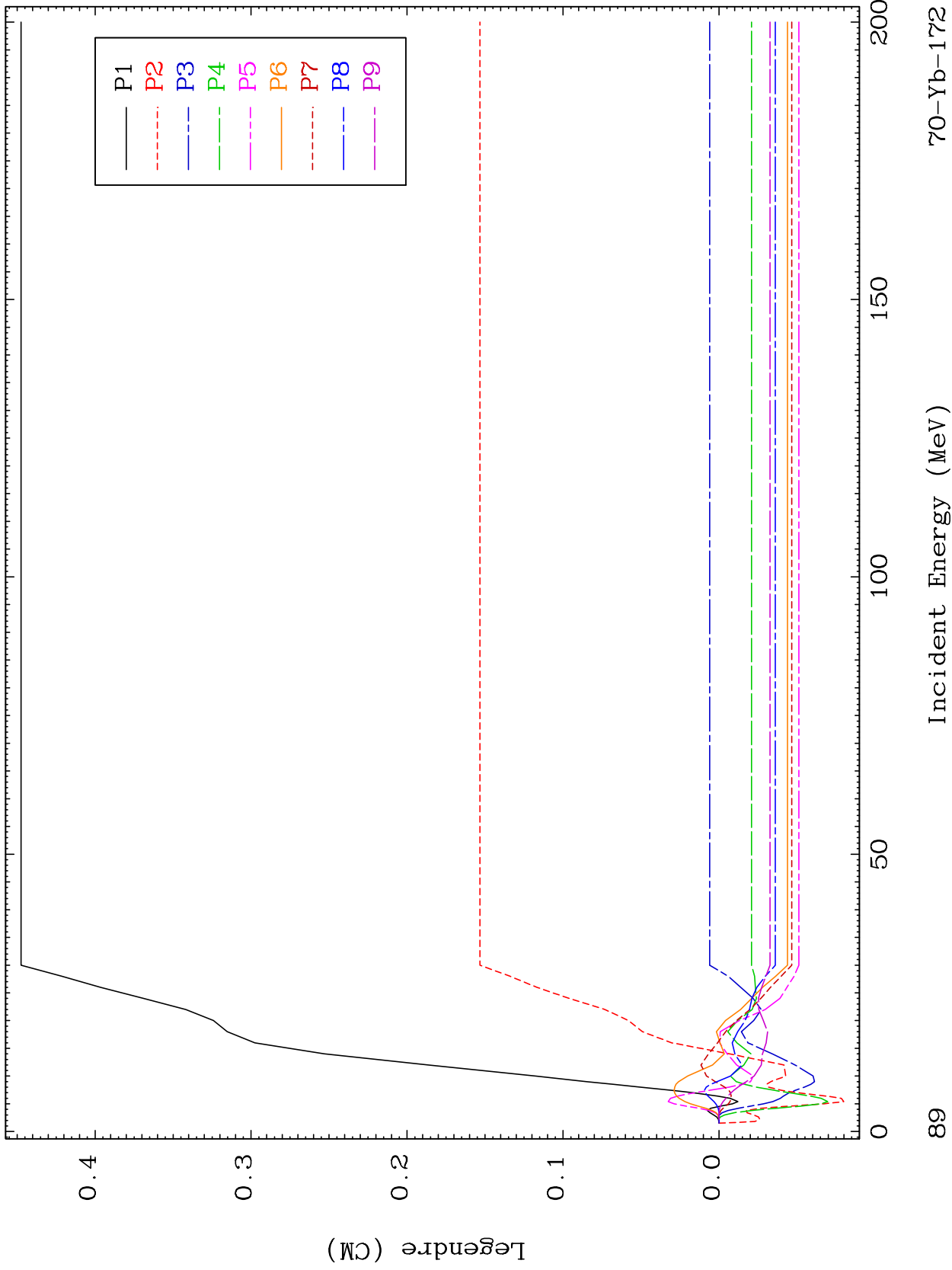




MAT 7037

1.496 MeV (n,n') Level
Legendre Coefficients

70-Yb-172



89

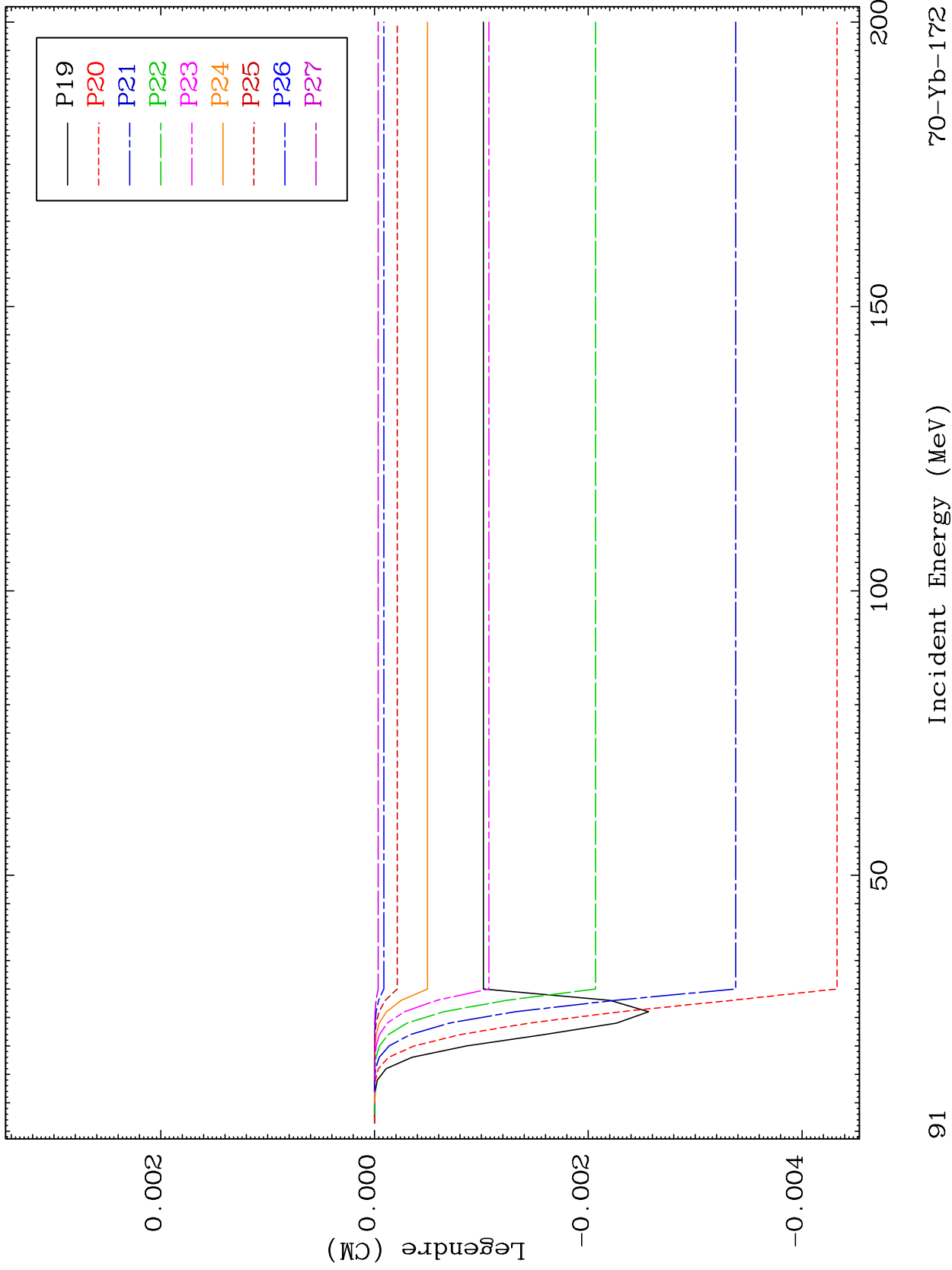
Incident Energy (MeV)

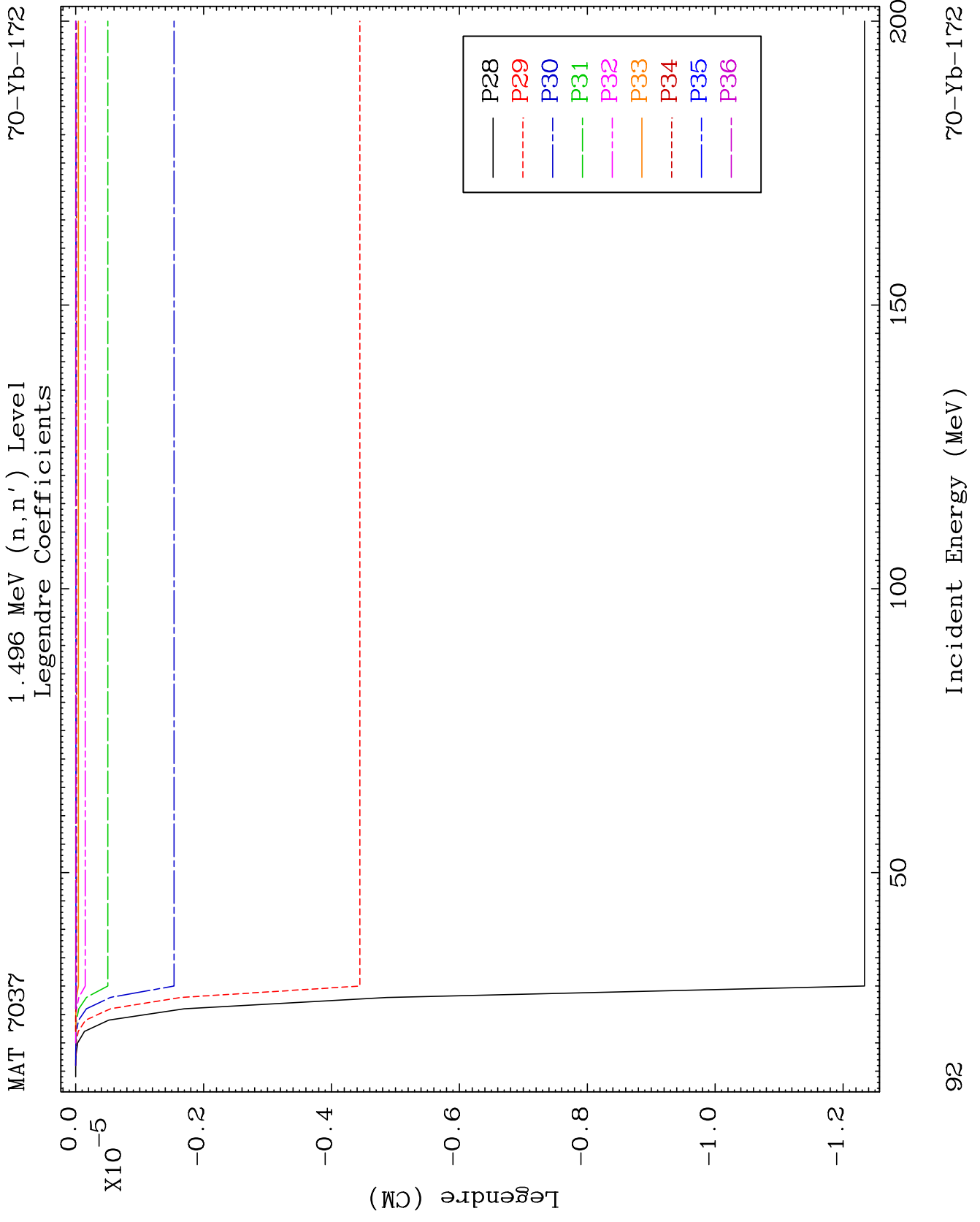
70-Yb-172

MAT 7037

1.496 MeV (n,n') Level
Legendre Coefficients

70-Yb-172

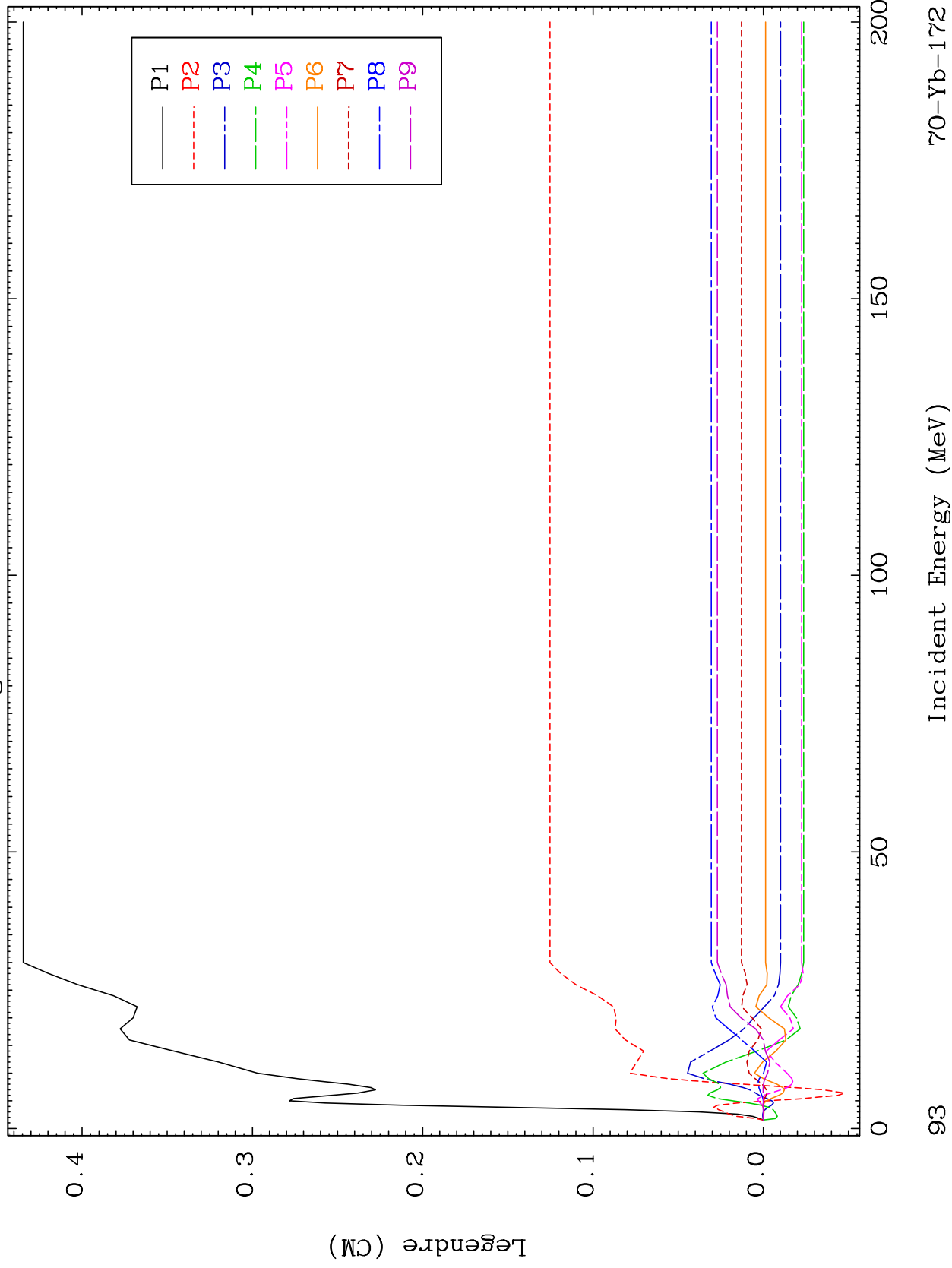




MAT 7037

1.510 MeV (n,n') Level
Legendre Coefficients

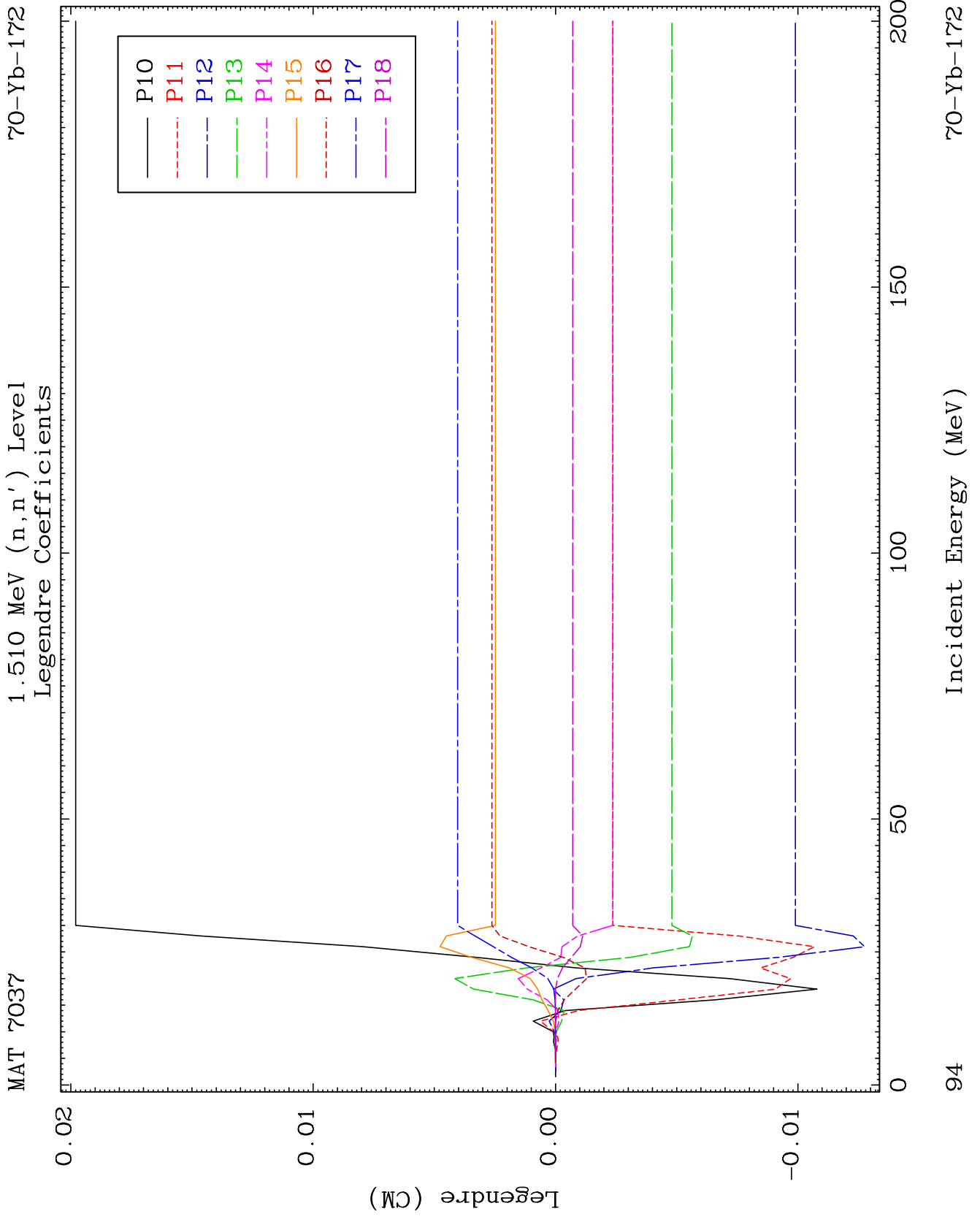
70-Yb-172



93

Incident Energy (MeV)

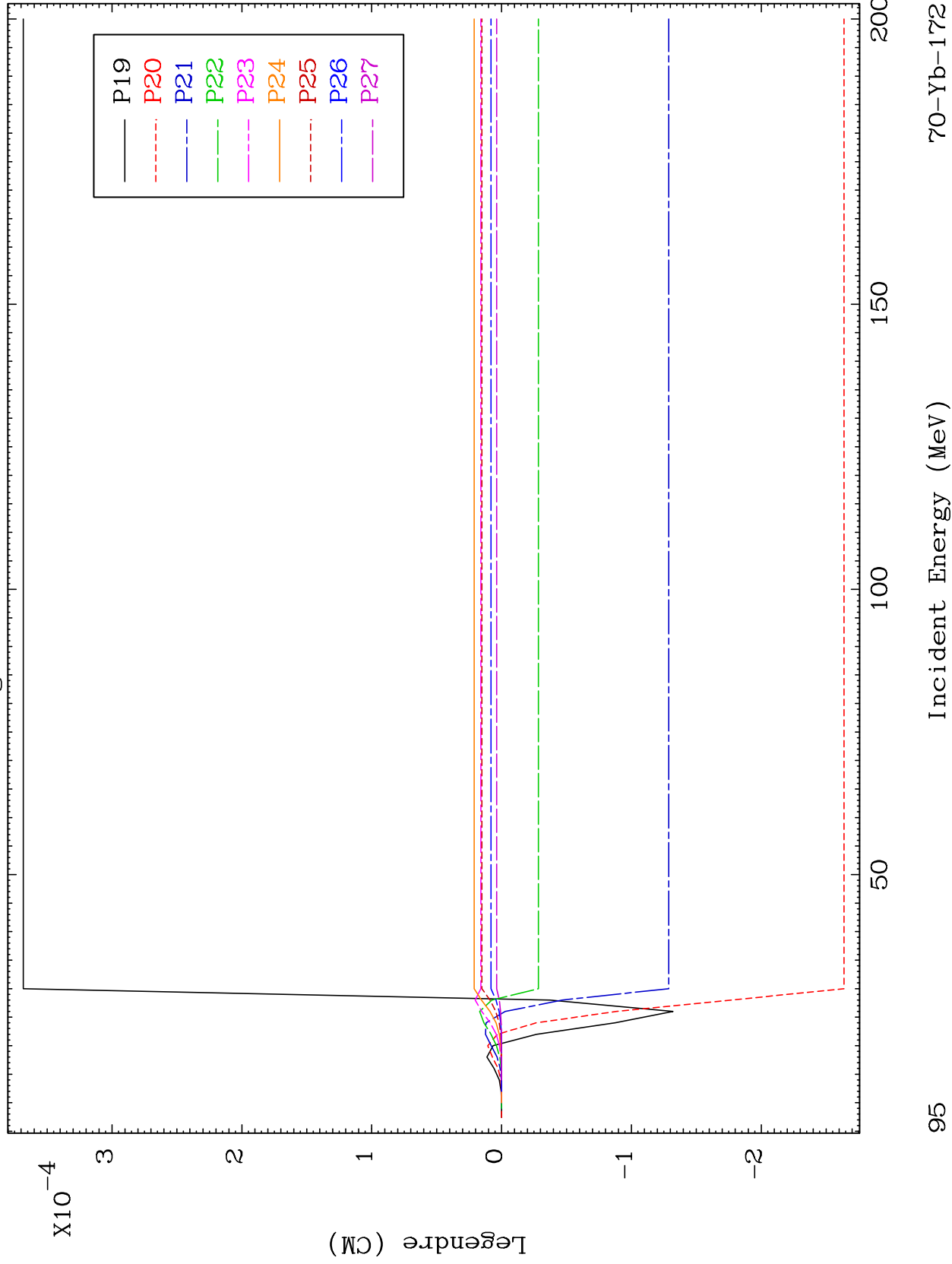
70-Yb-172



MAT 7037

1.510 MeV (n,n') Level
Legendre Coefficients

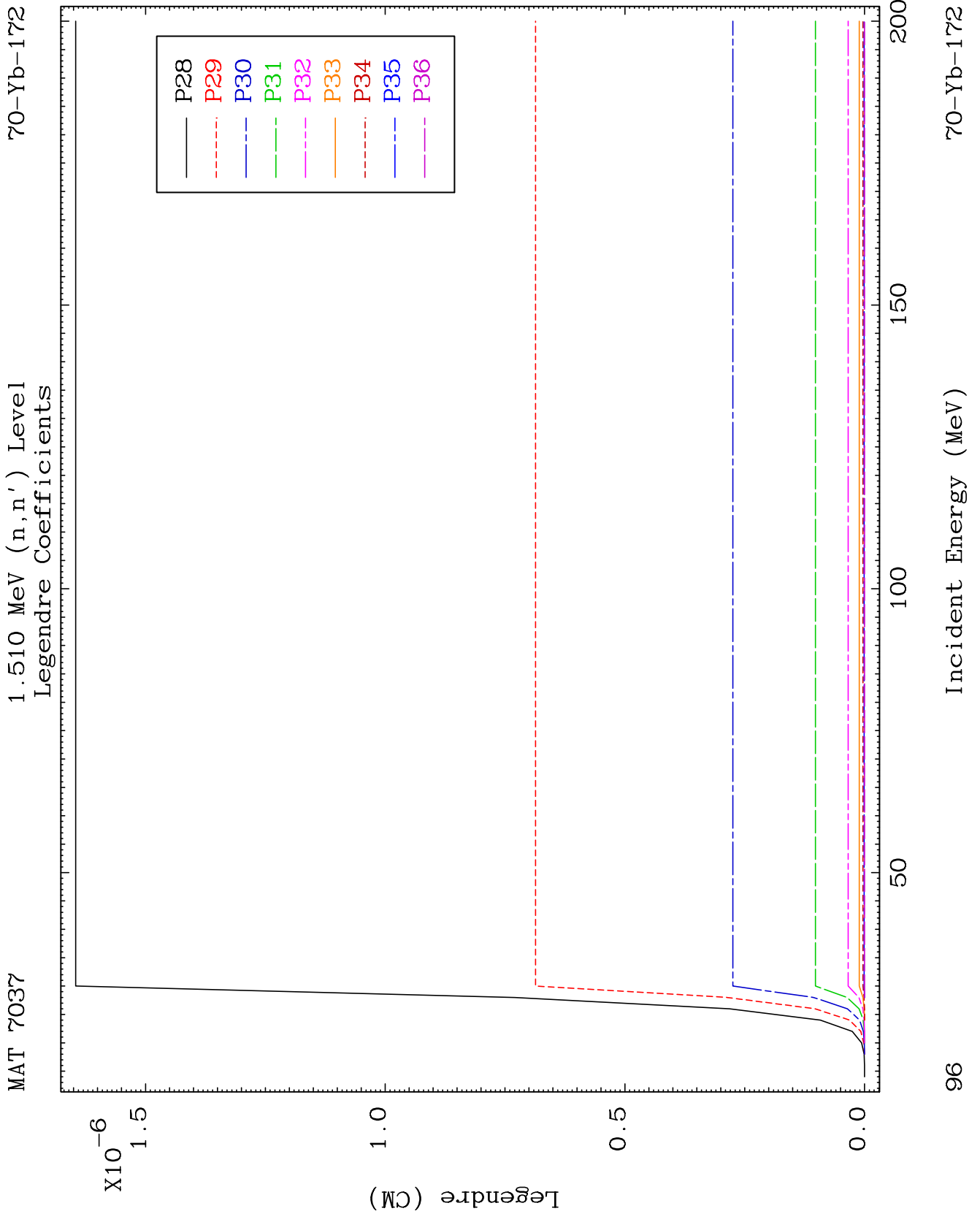
70-Yb-172



95

Incident Energy (MeV)

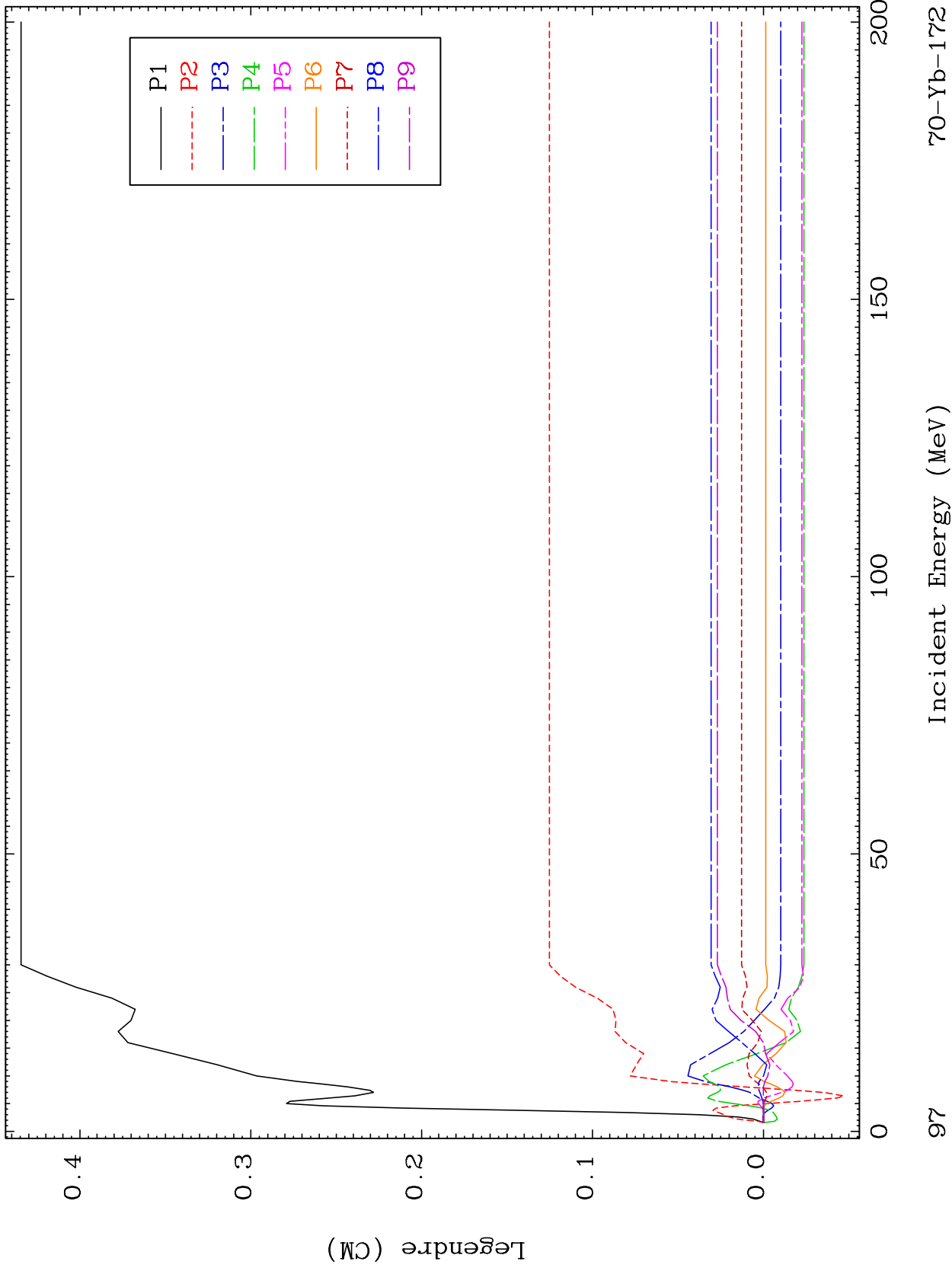
70-Yb-172



MAT 7037

1.537 MeV (n,n') Level
Legendre Coefficients

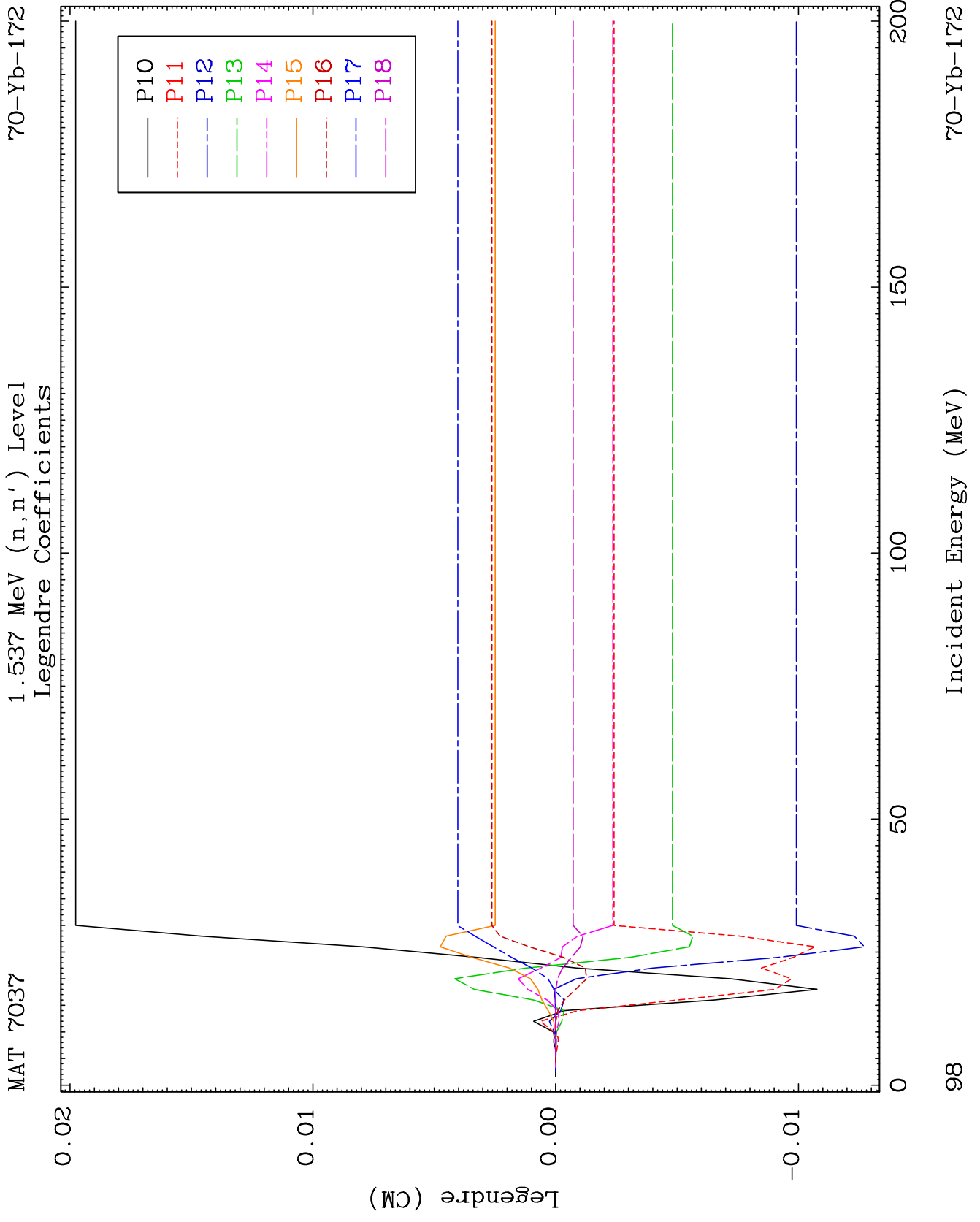
70-Yb-172

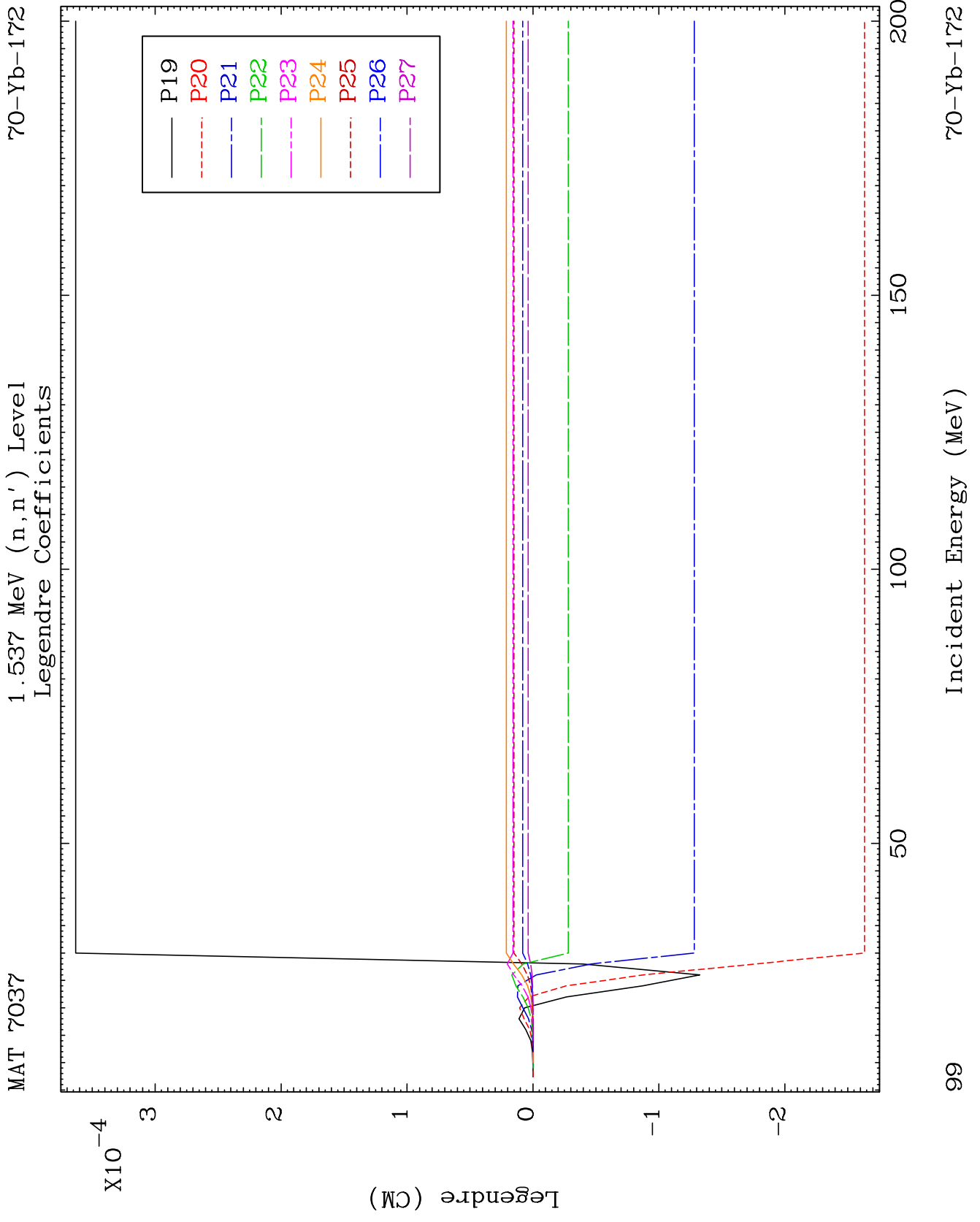


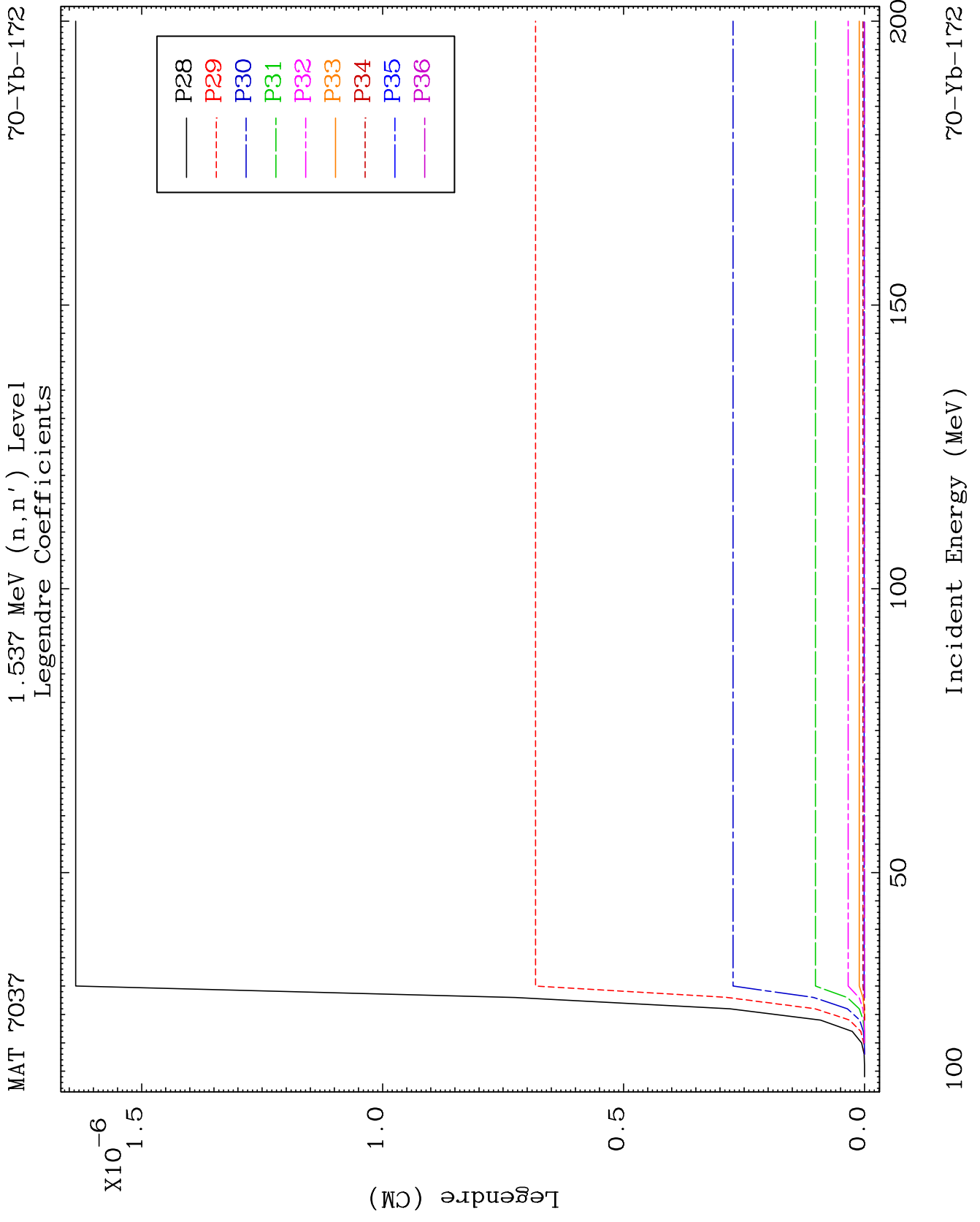
70-Yb-172

Incident Energy (MeV)

97



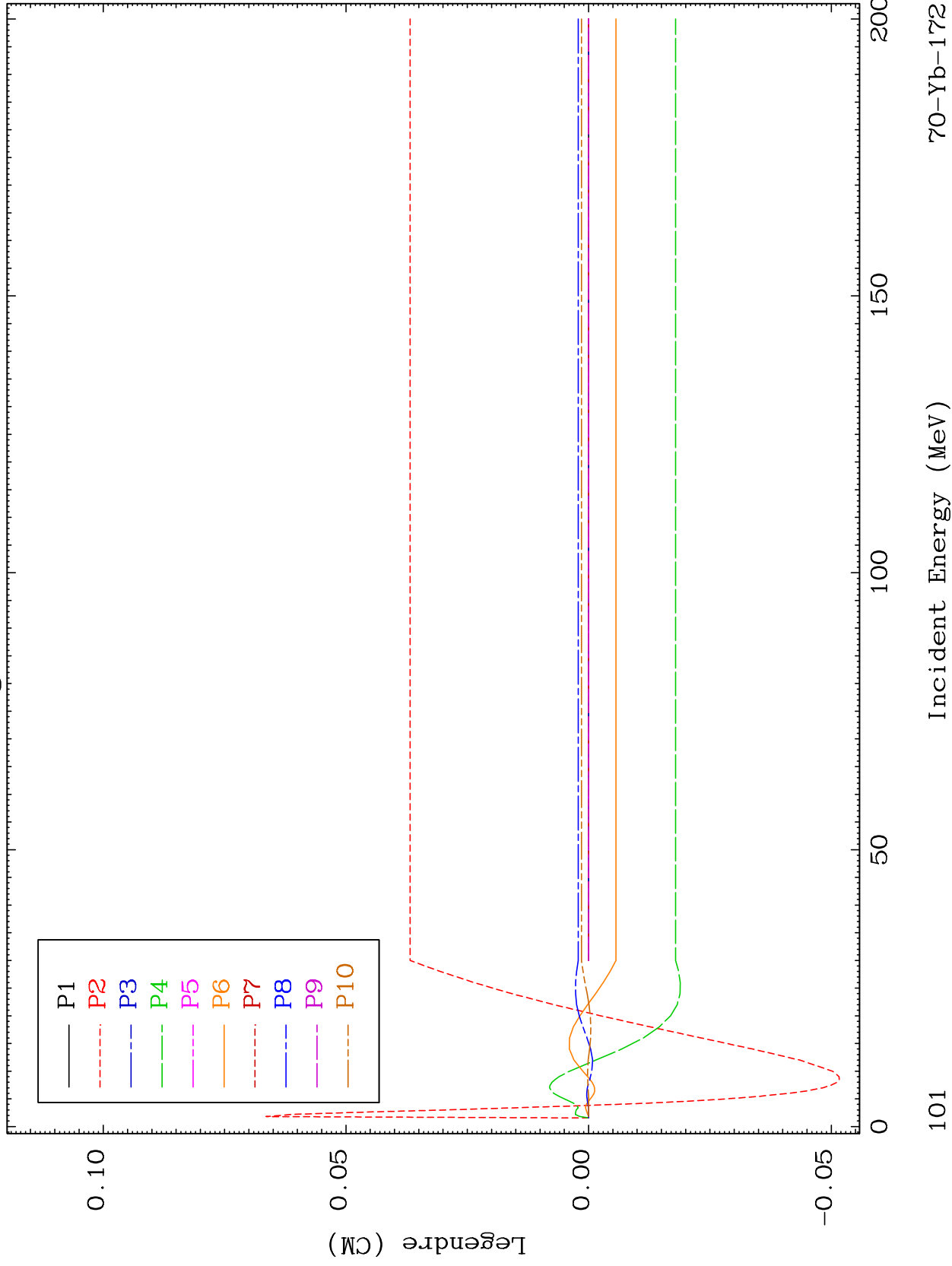




MAT 7037

1.541 MeV (n,n') Level
Legendre Coefficients

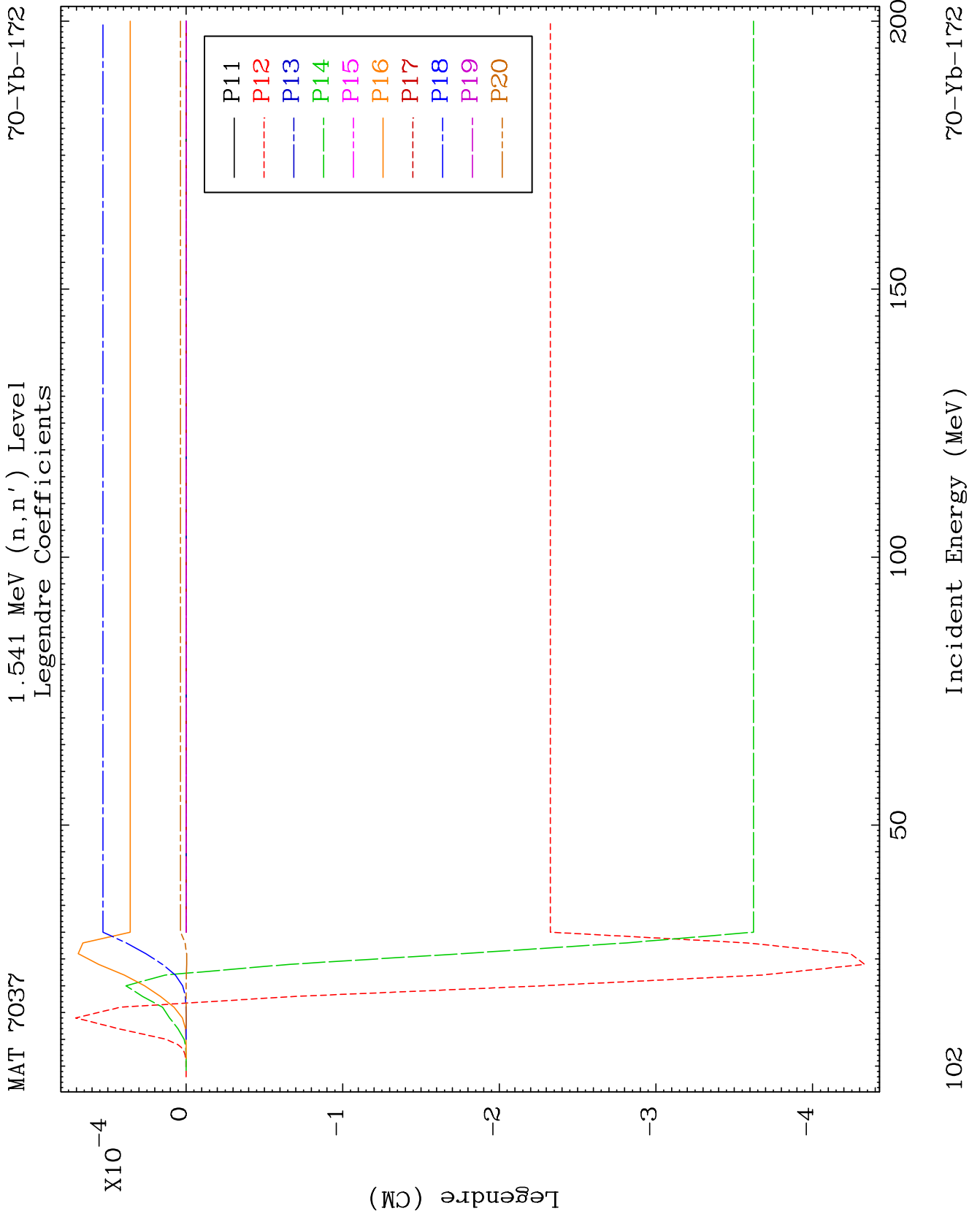
70-Yb-172

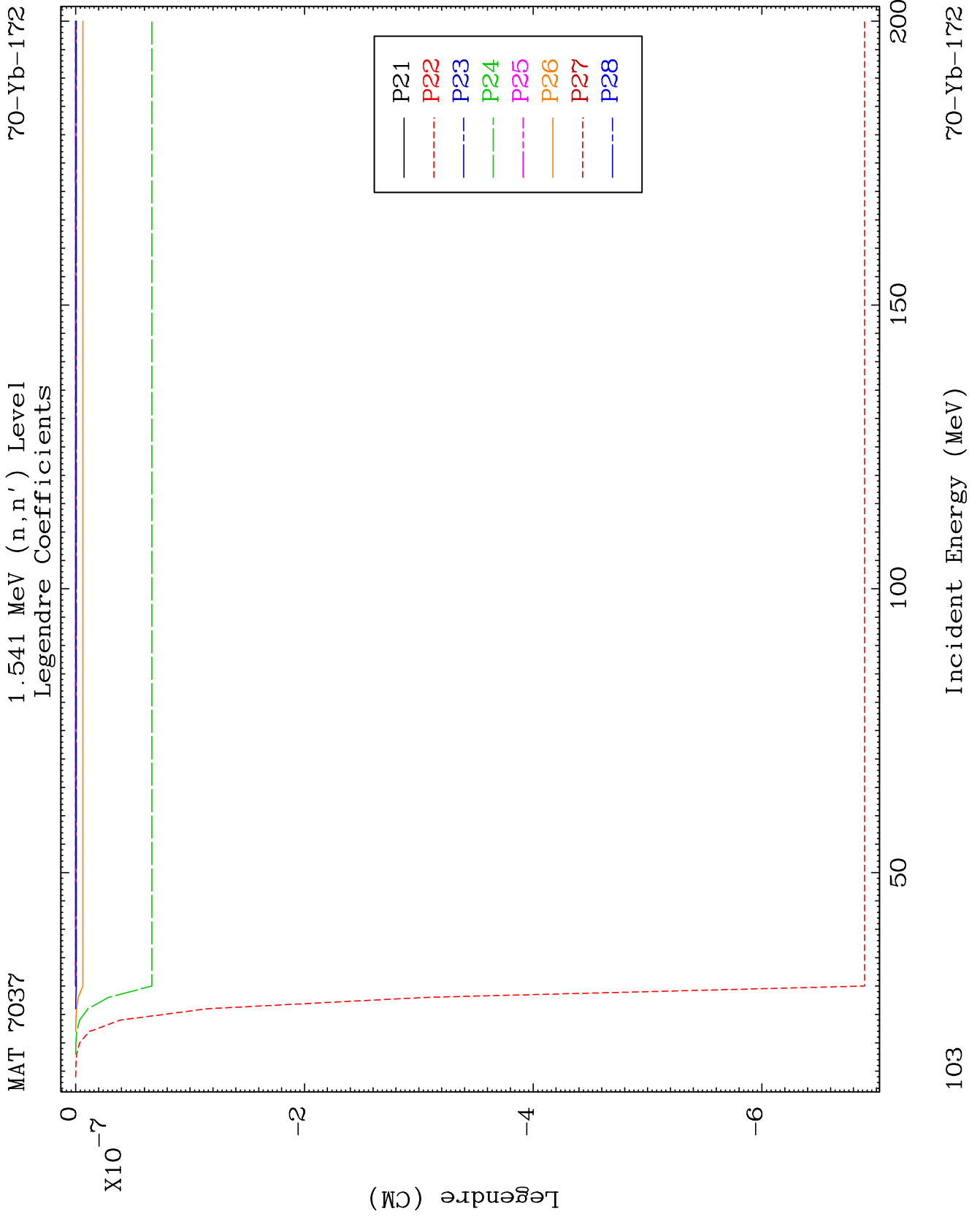


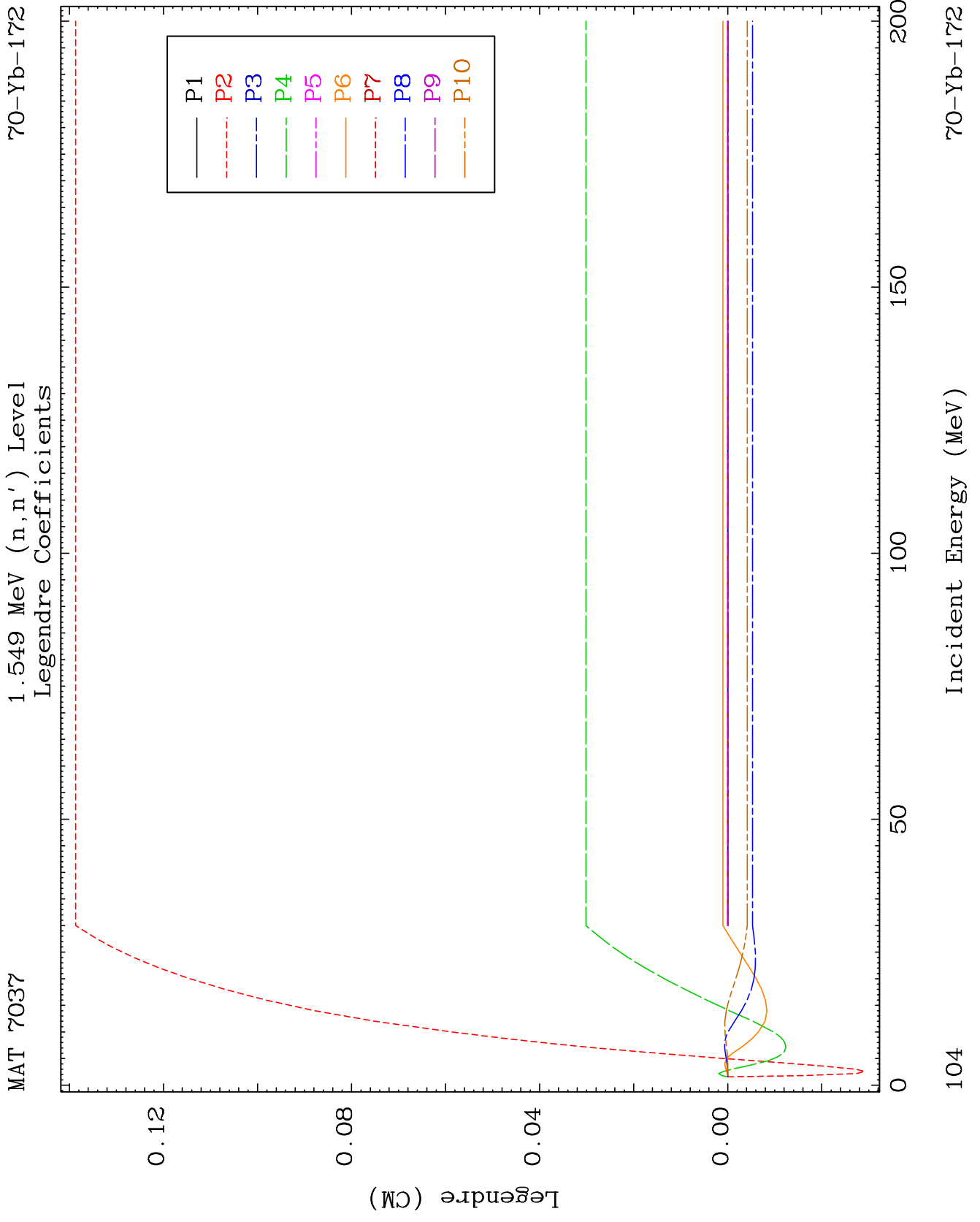
70-Yb-172

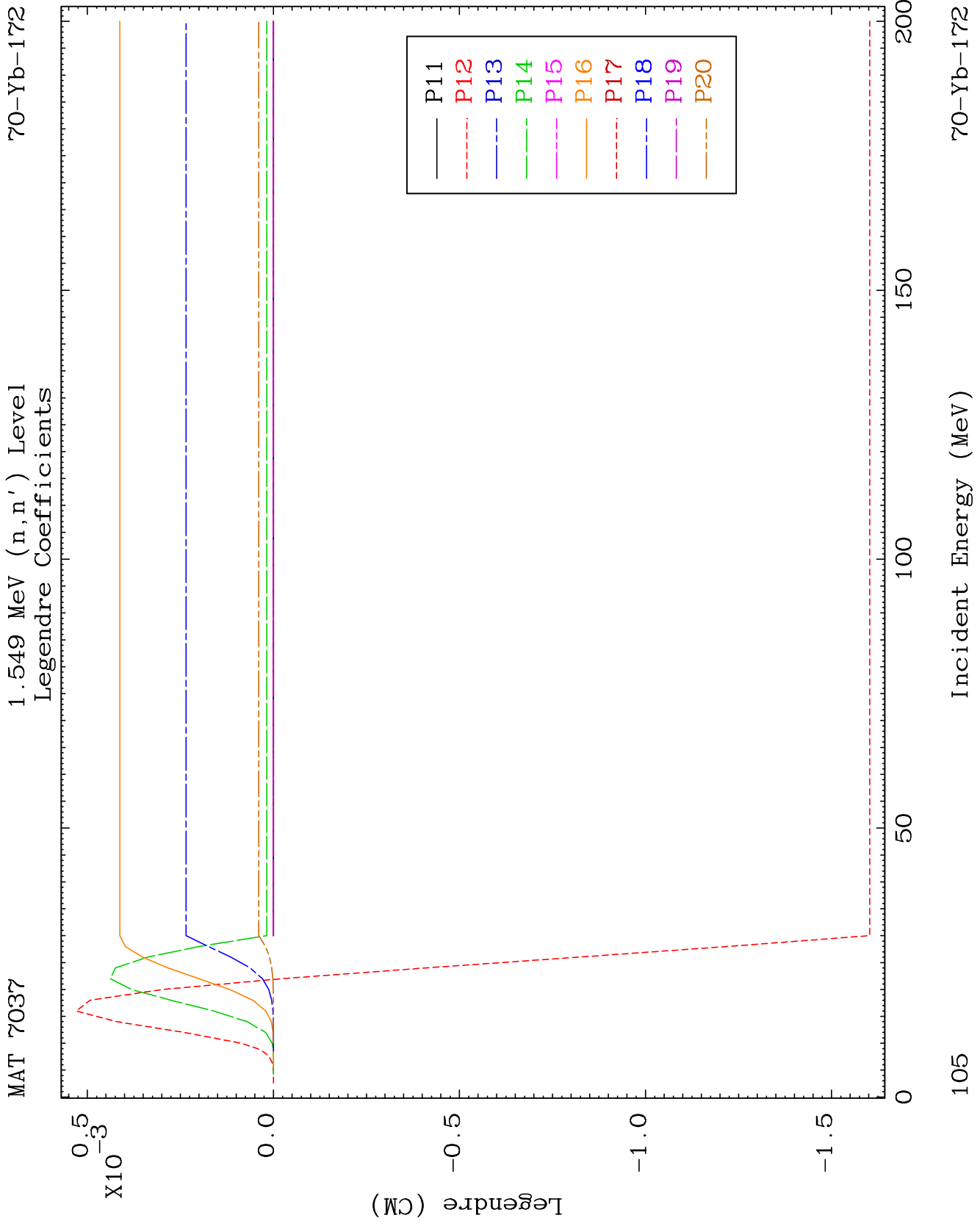
Incident Energy (MeV)

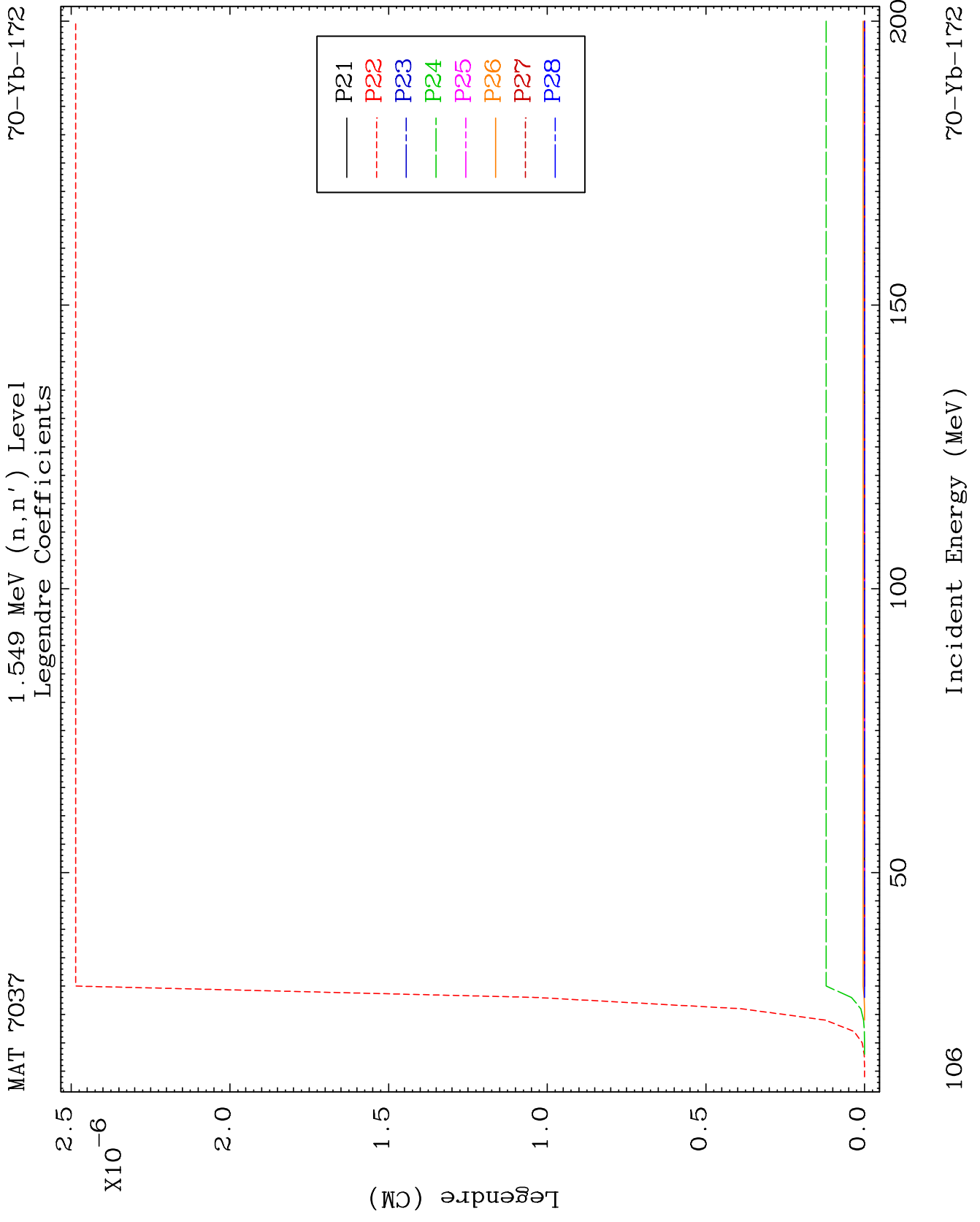
101







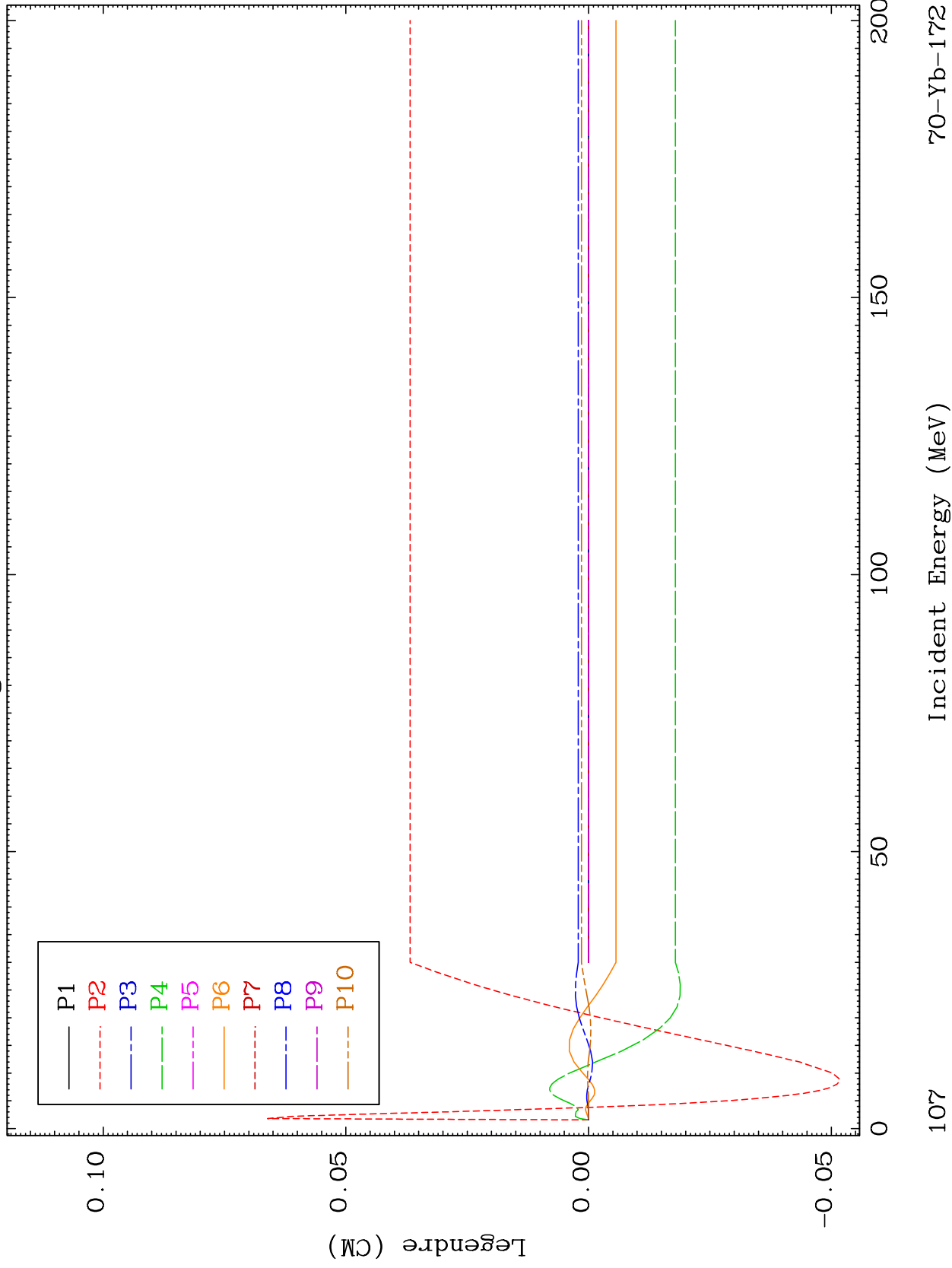




MAT 7037

1.550 MeV (n, n') Level
Legendre Coefficients

70-Yb-172



70-Yb-172

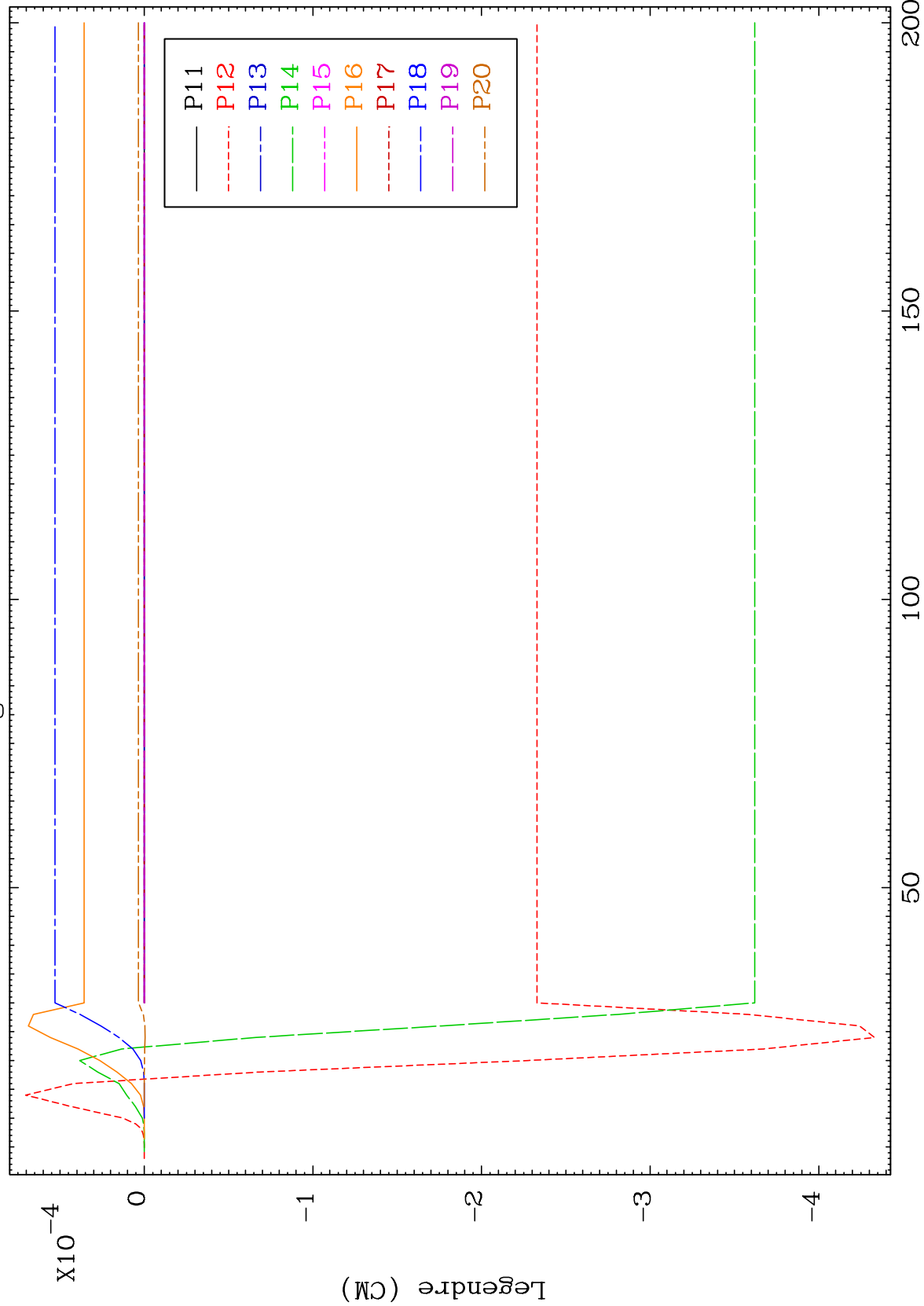
Incident Energy (MeV)

107

MAT 7037

1.550 MeV (n,n') Level Legendre Coefficients

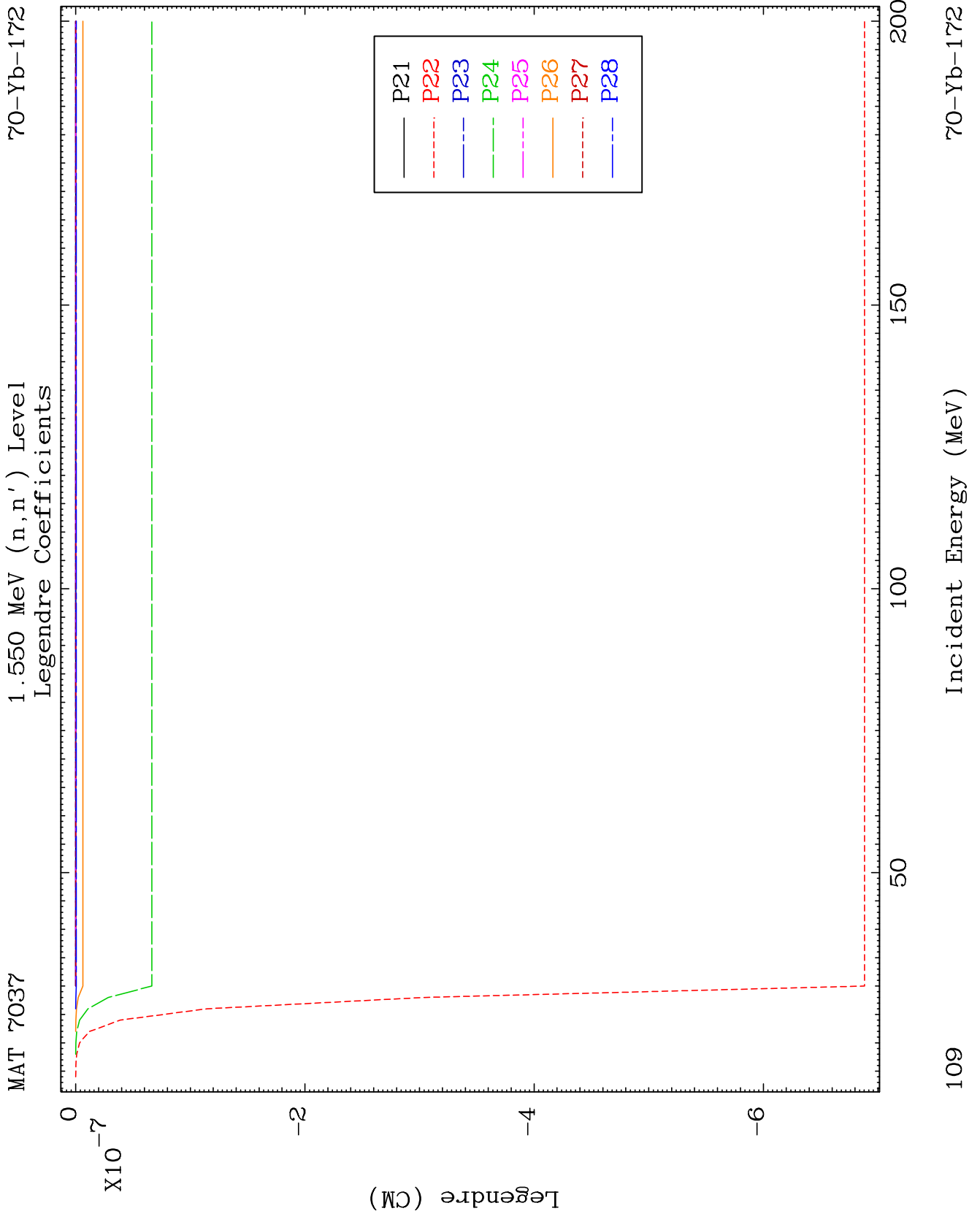
70-Yb-172



108

Incident Energy (MeV)

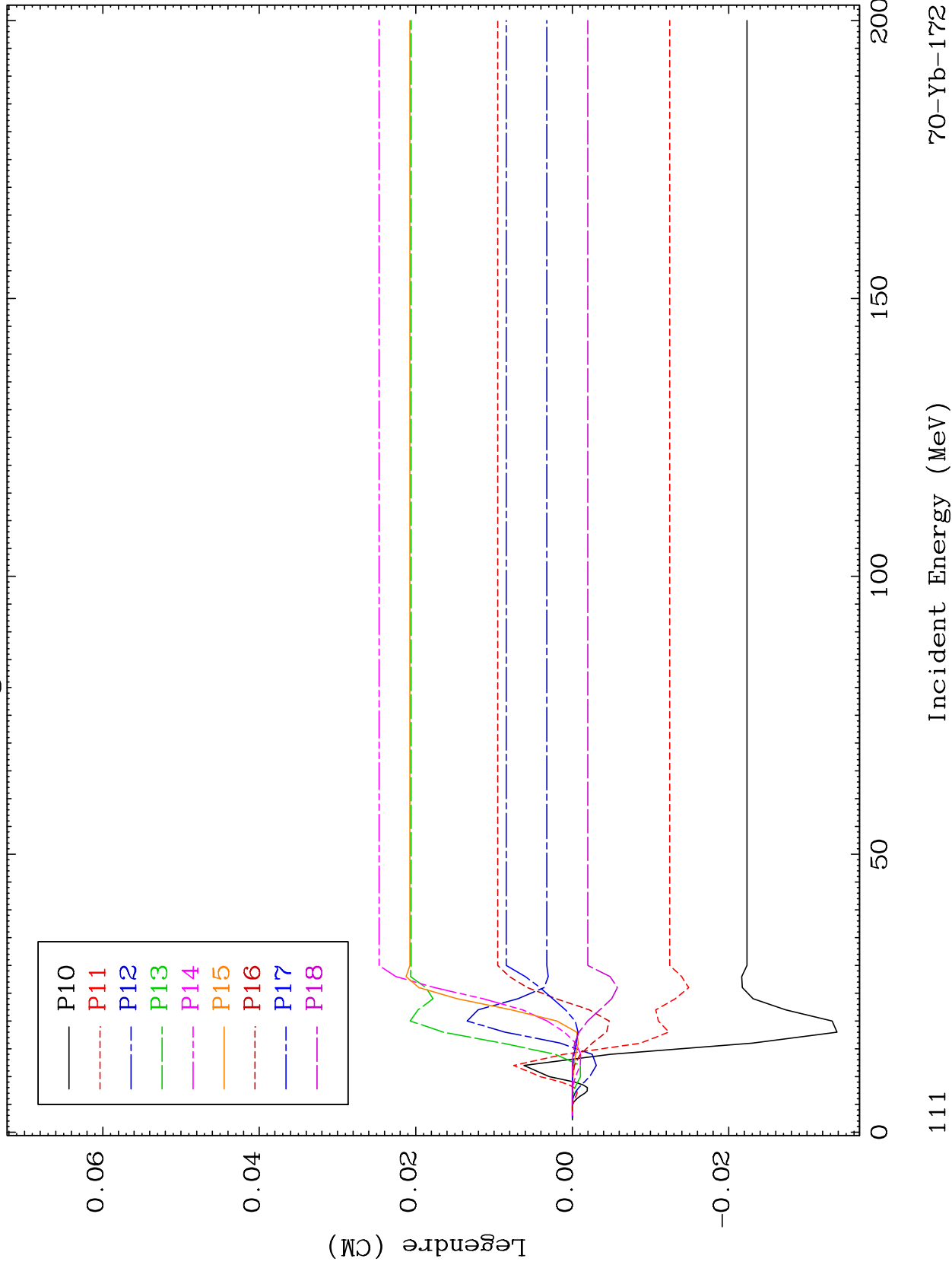
70-Yb-172



MAT 7037

1.554 MeV (n,n') Level
Legendre Coefficients

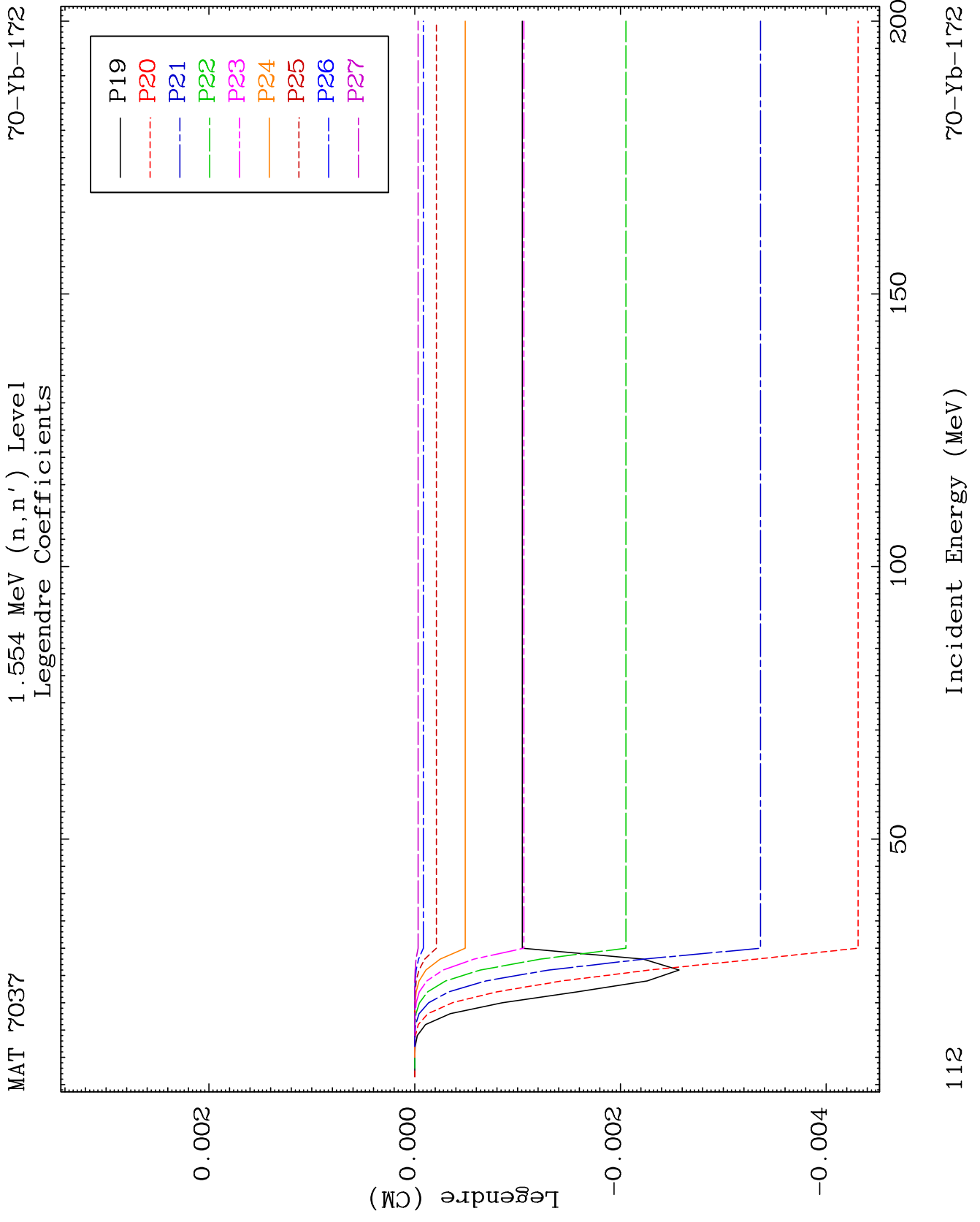
70-Yb-172

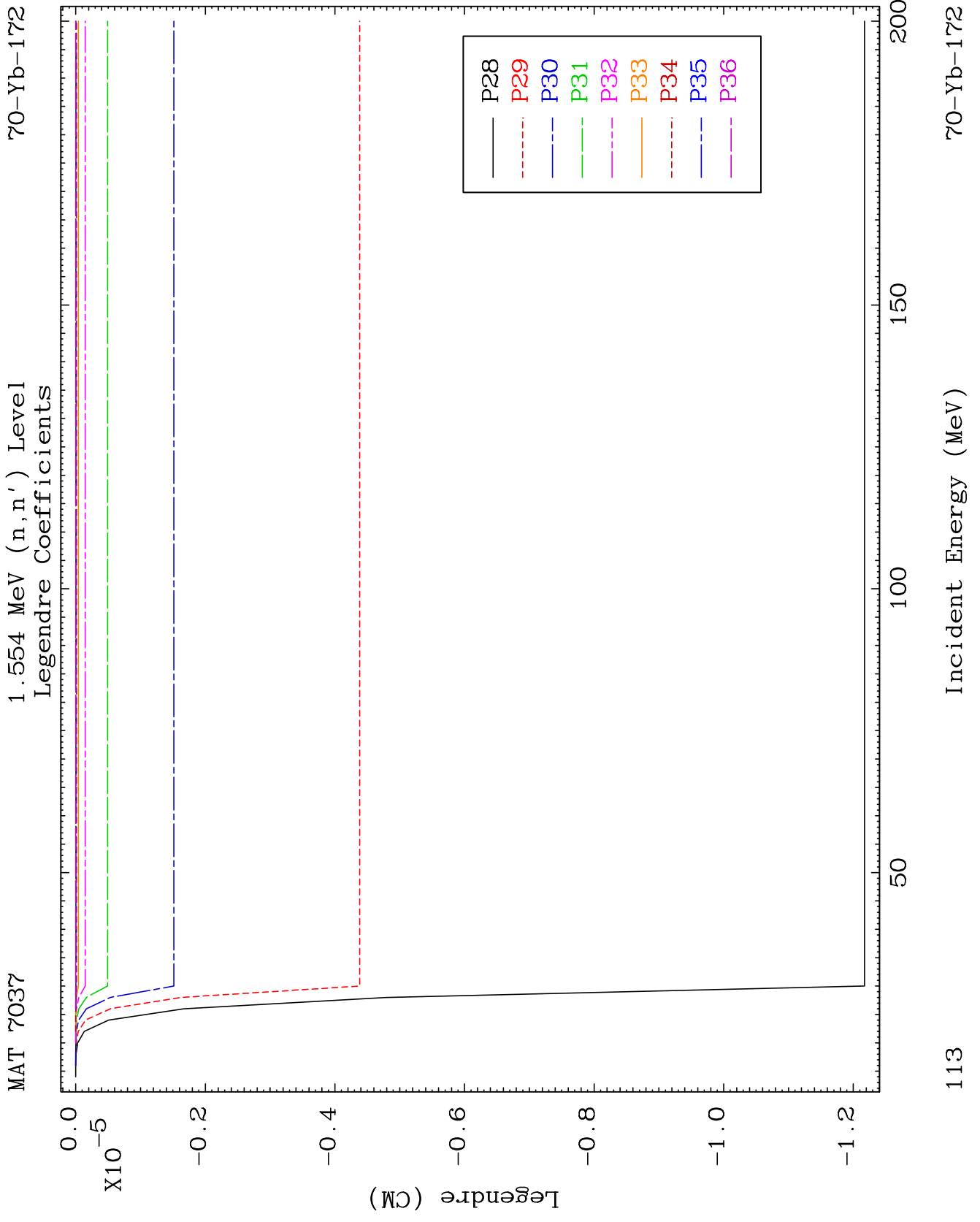


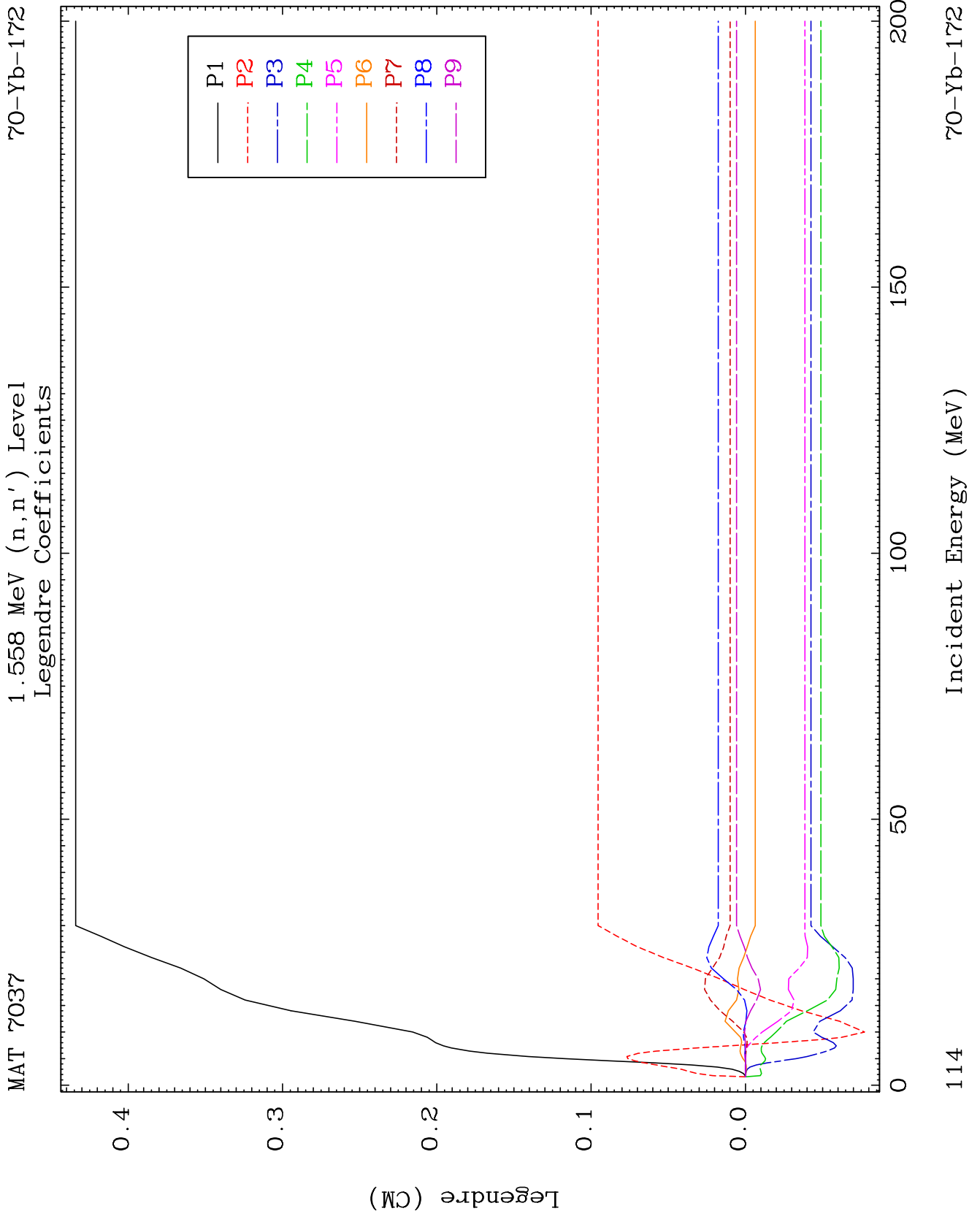
111

Incident Energy (MeV)

70-Yb-172



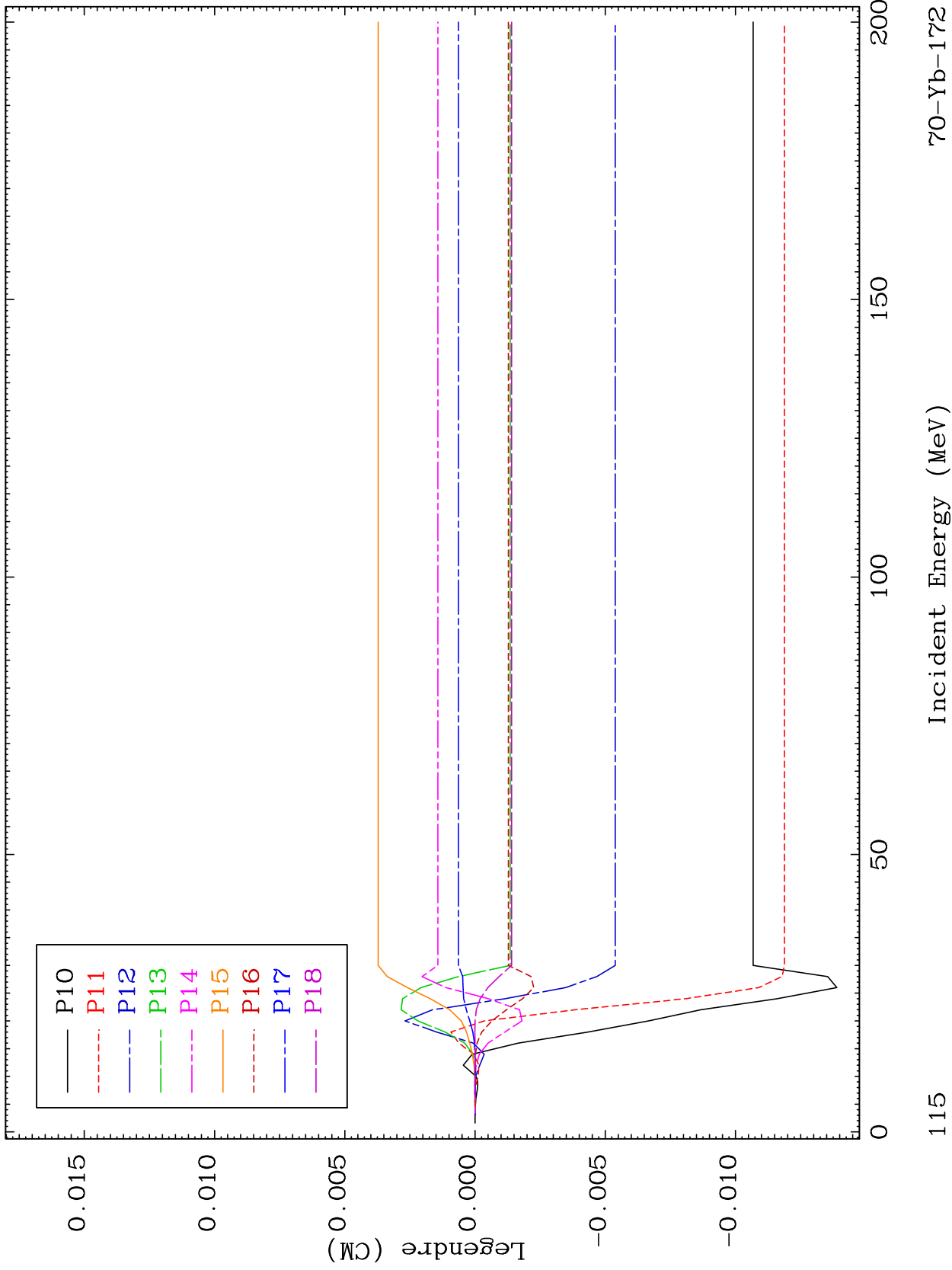


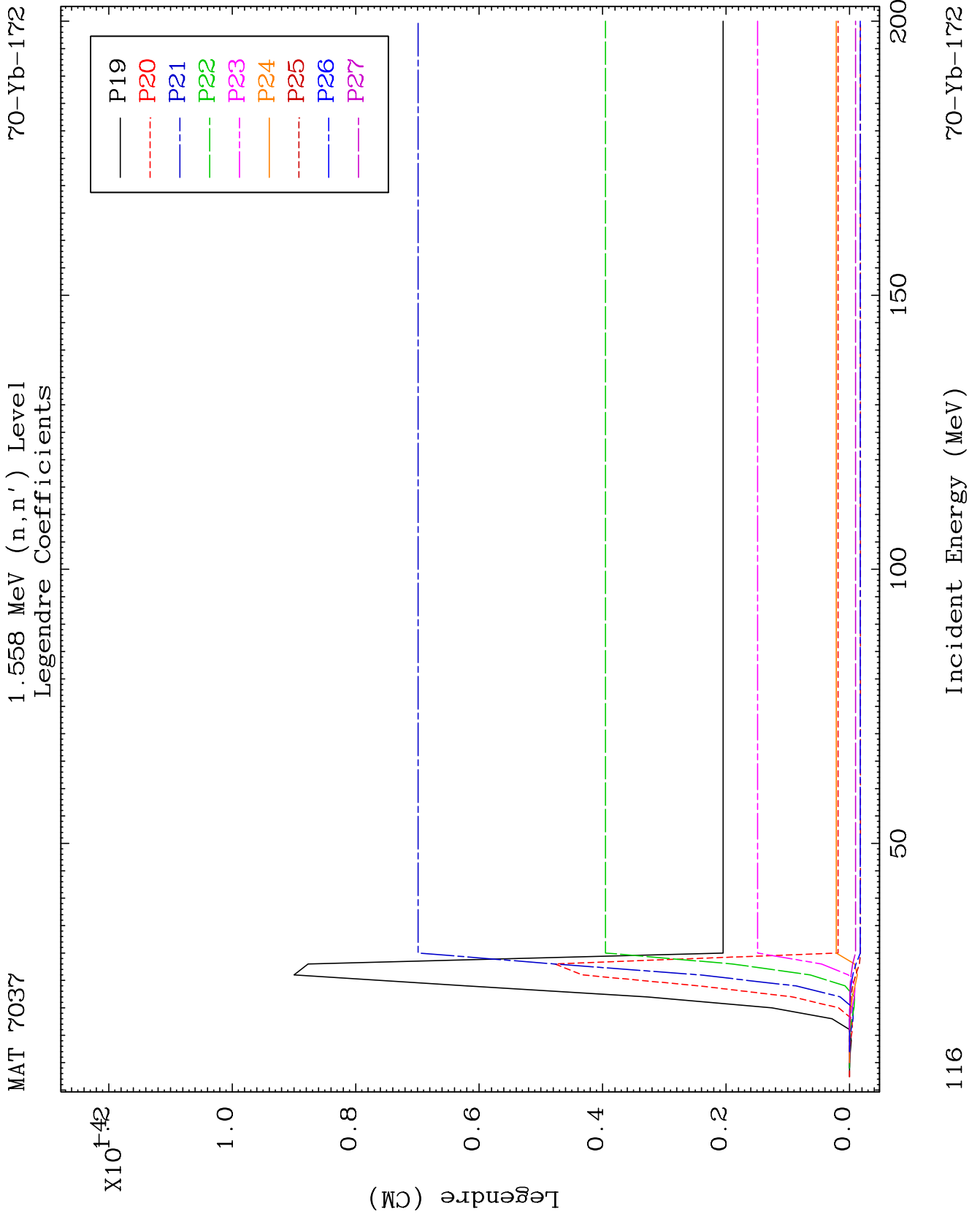


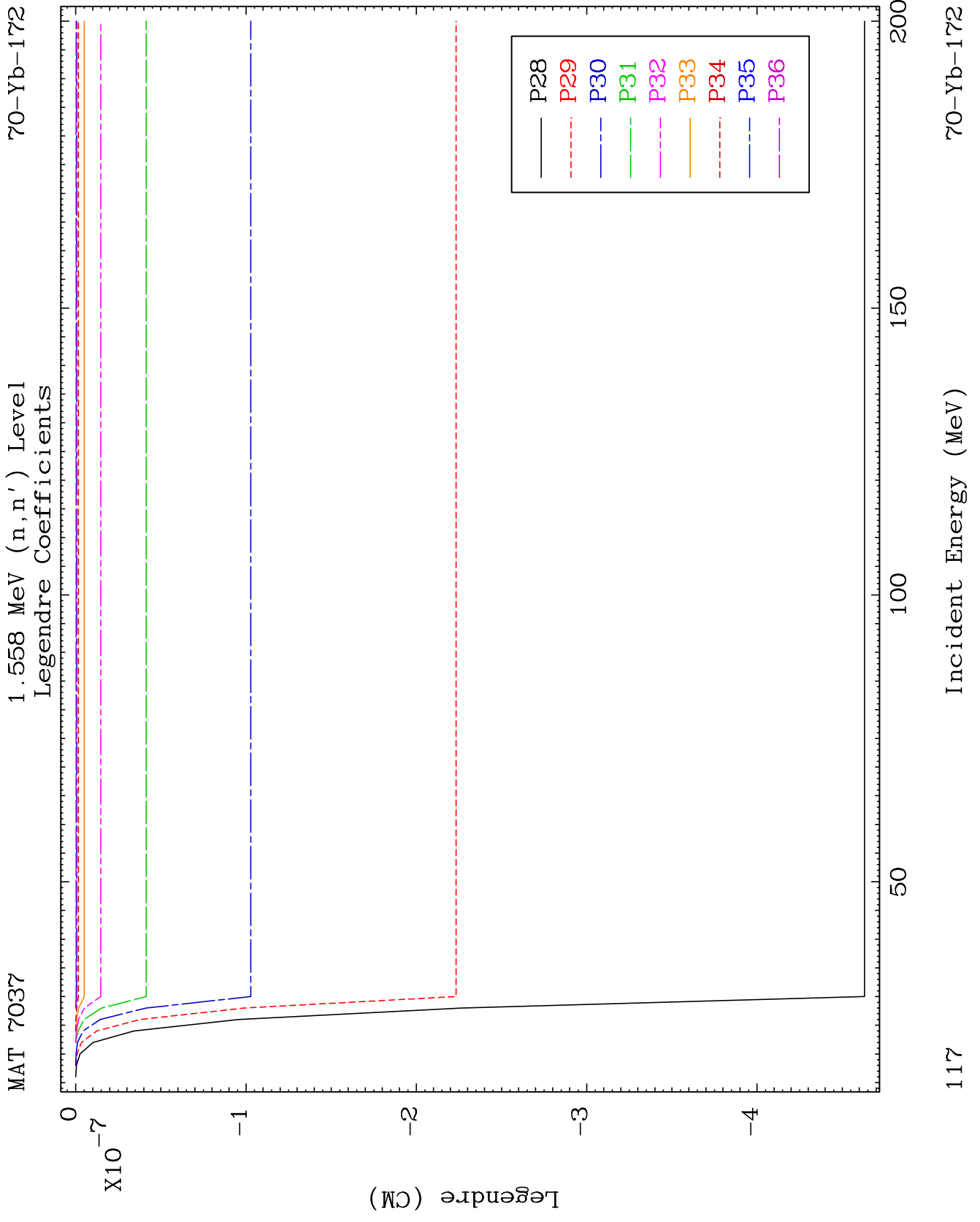
MAT 7037

1.558 MeV (n,n') Level
Legendre Coefficients

70-Yb-172



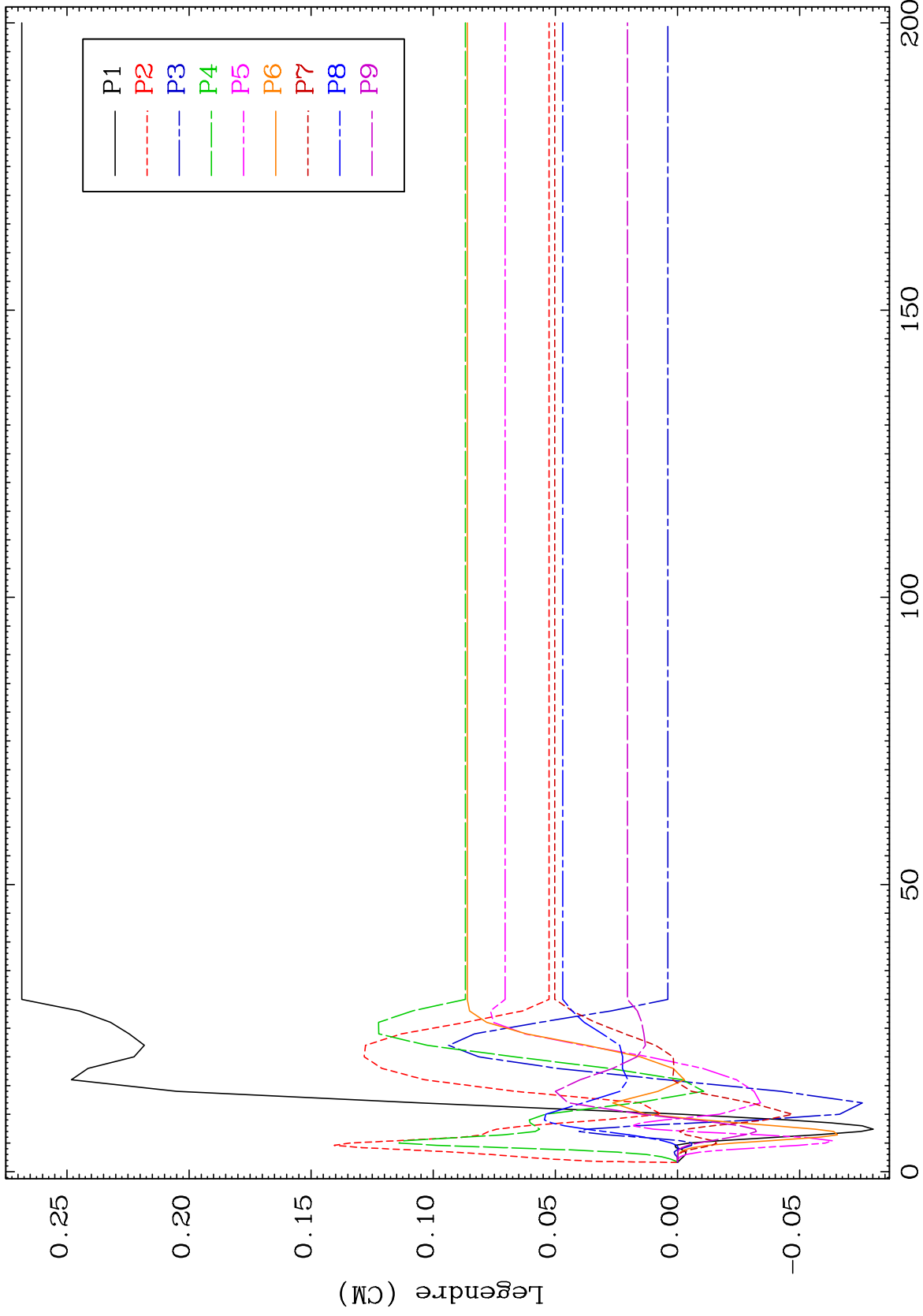




MAT 7037

1.600 MeV (n,n') Level
Legendre Coefficients

70-Yb-172



118

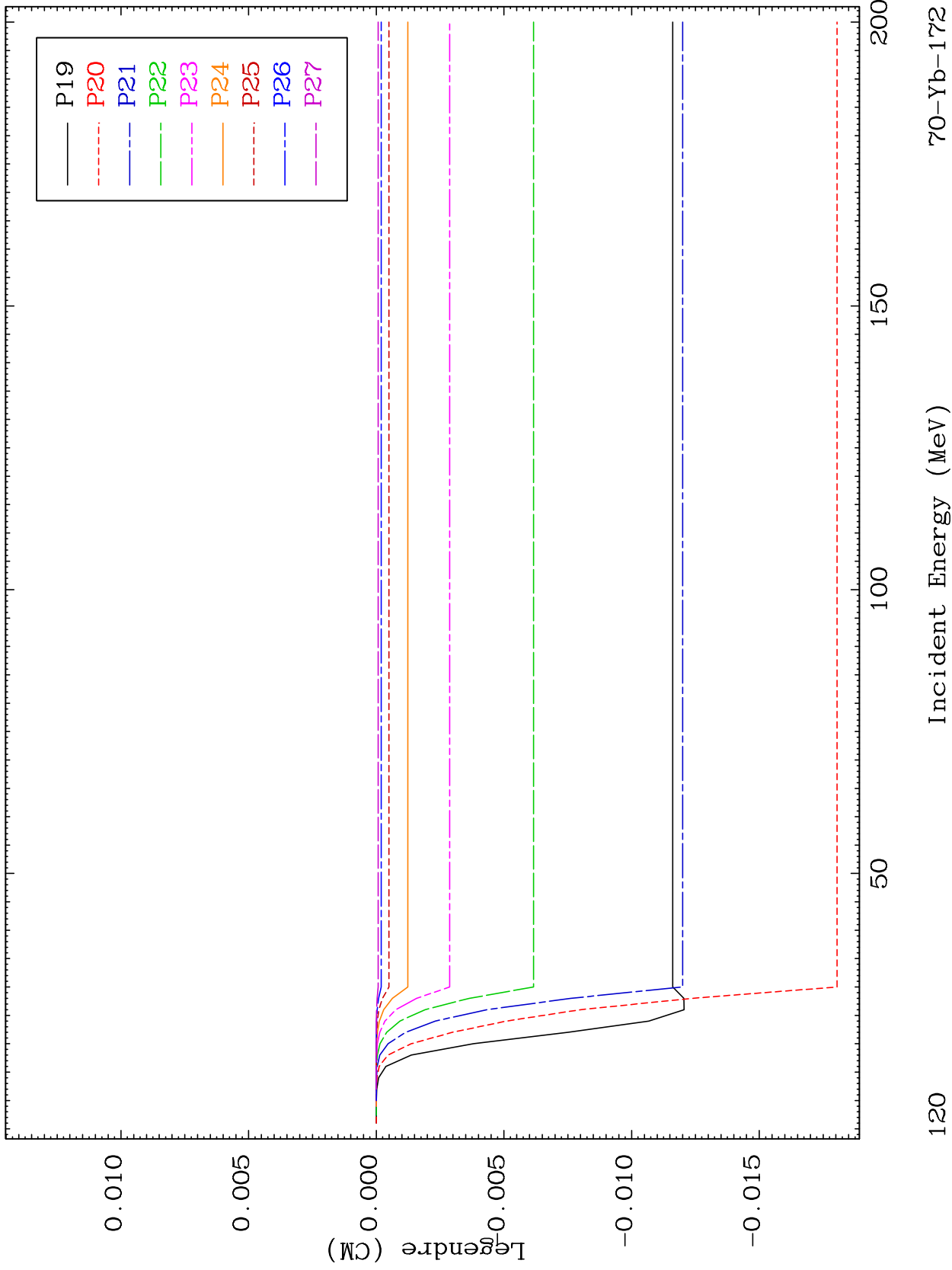
Incident Energy (MeV)

70-Yb-172

MAT 7037

1.600 MeV (n,n') Level
Legendre Coefficients

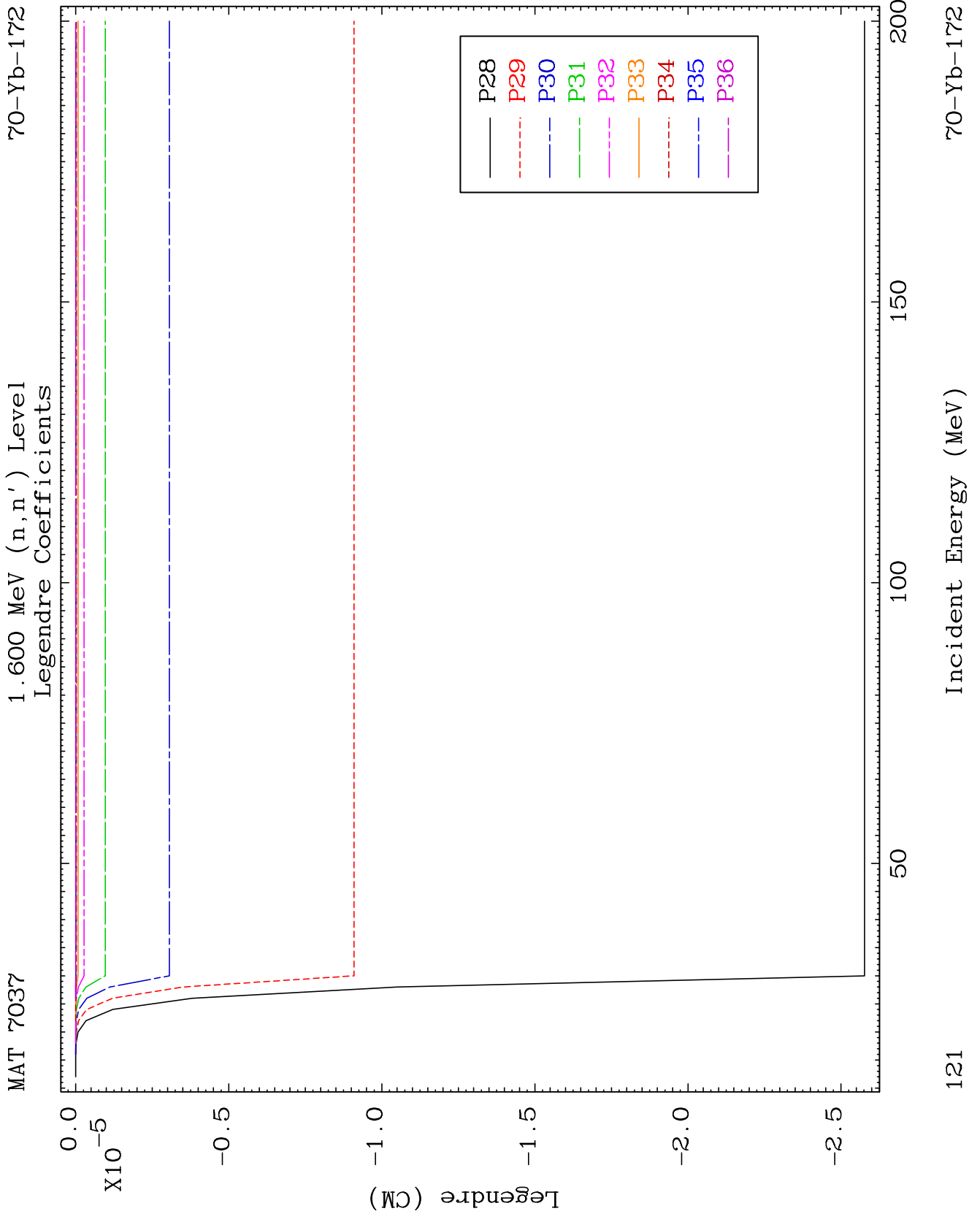
70-Yb-172



120

Incident Energy (MeV)

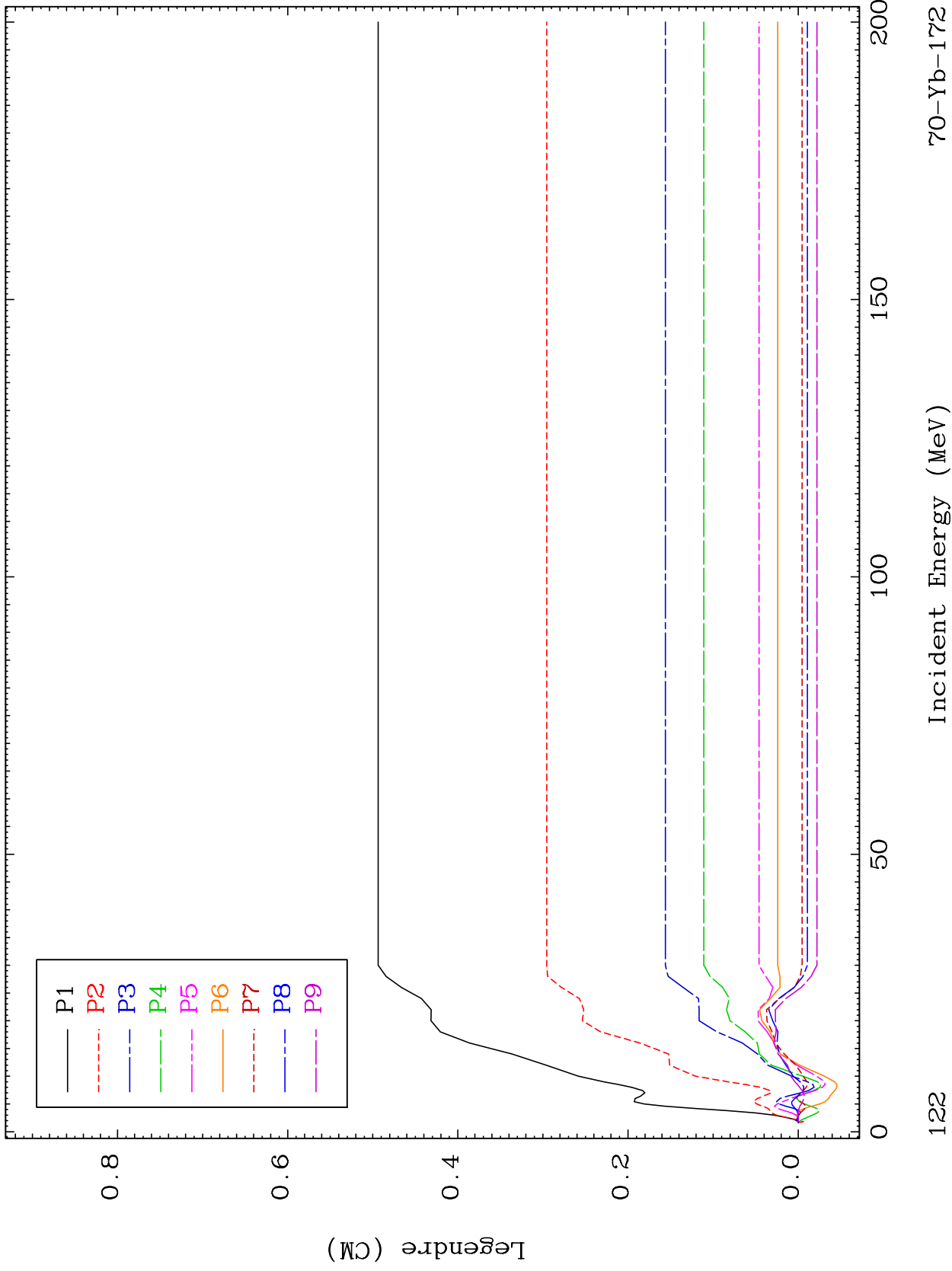
70-Yb-172



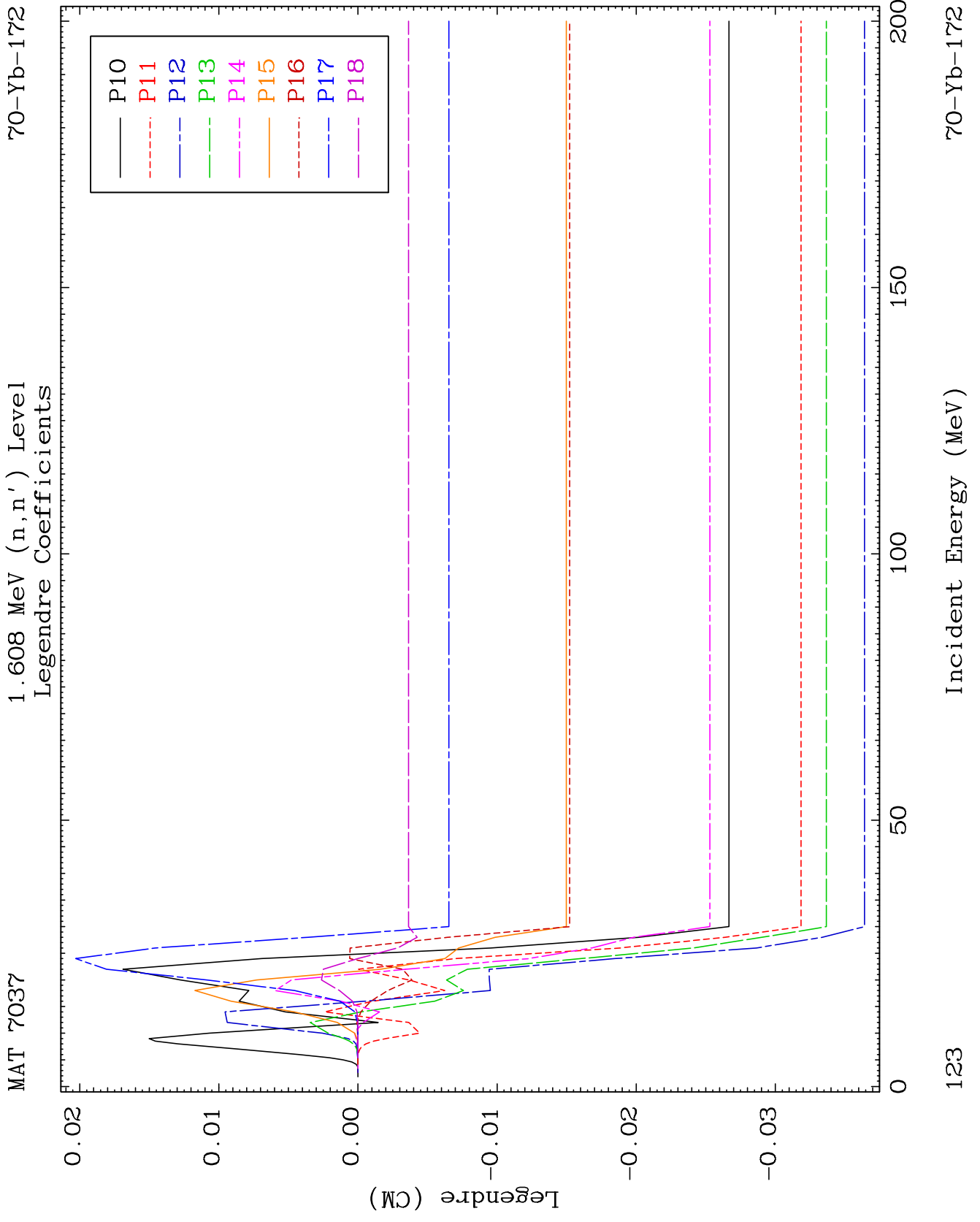
MAT 7037

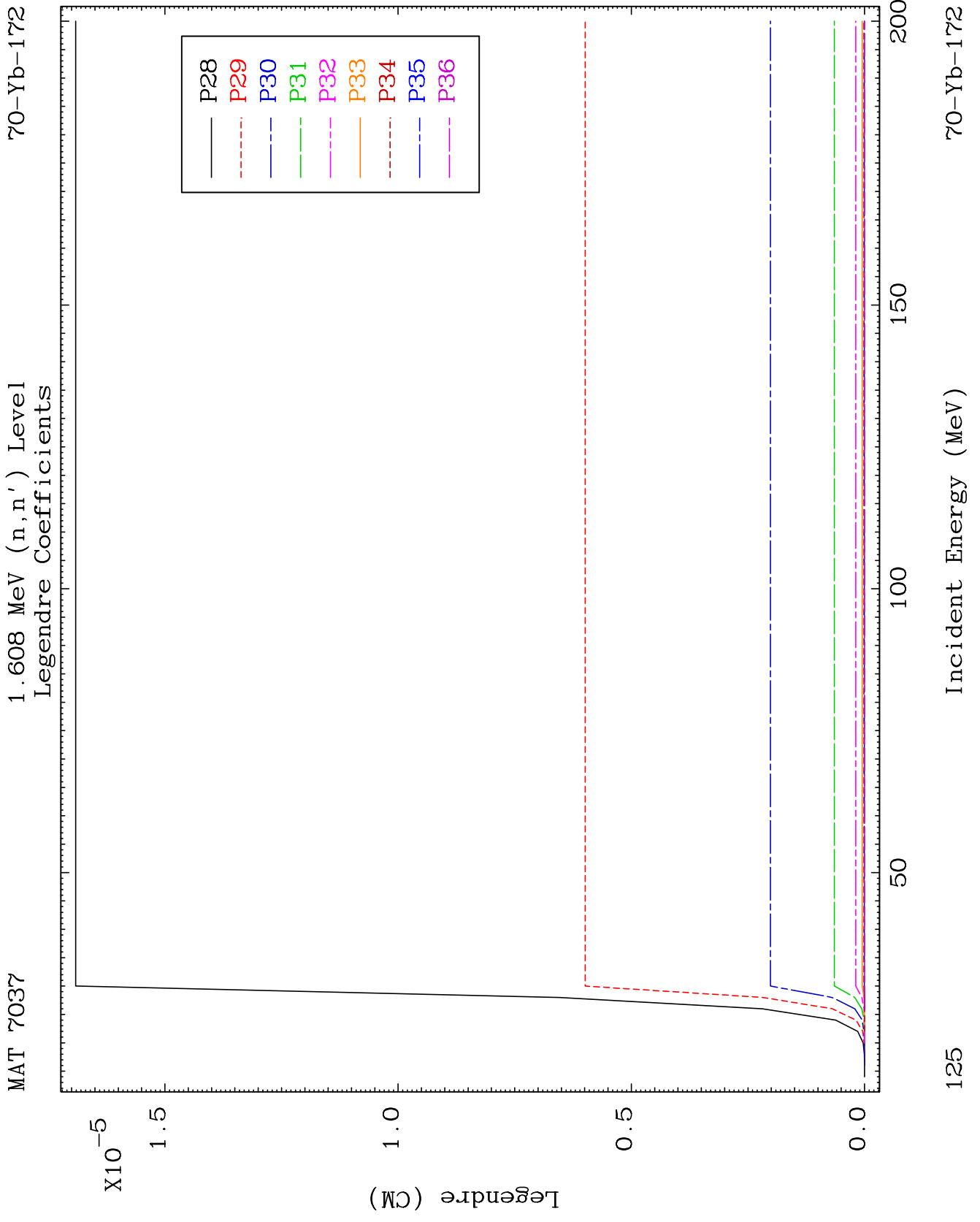
1.608 MeV (n,n') Level
Legendre Coefficients

70-Yb-172



122

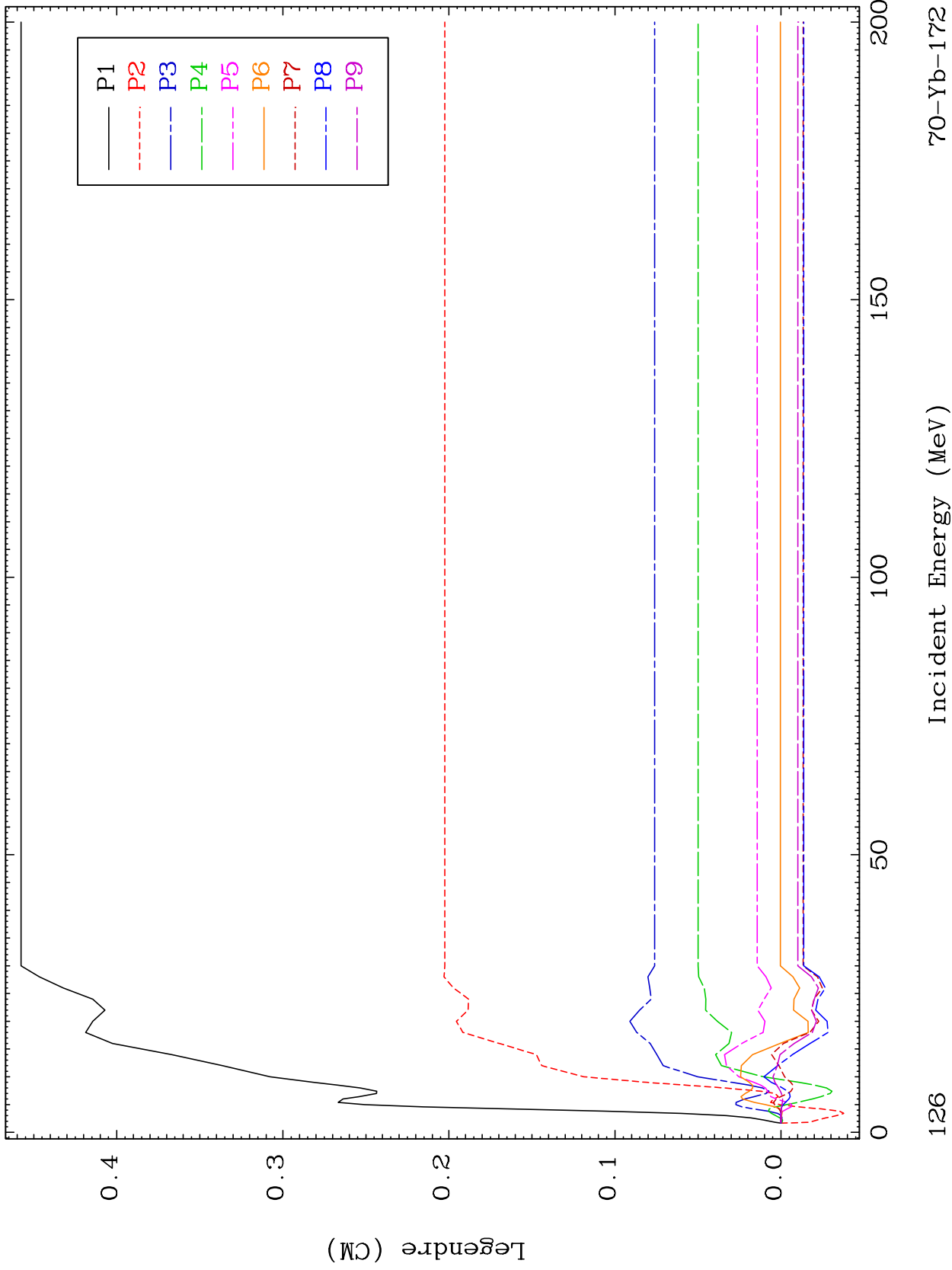




MAT 7037

1.633 MeV (n,n') Level
Legendre Coefficients

70-Yb-172



70-Yb-172

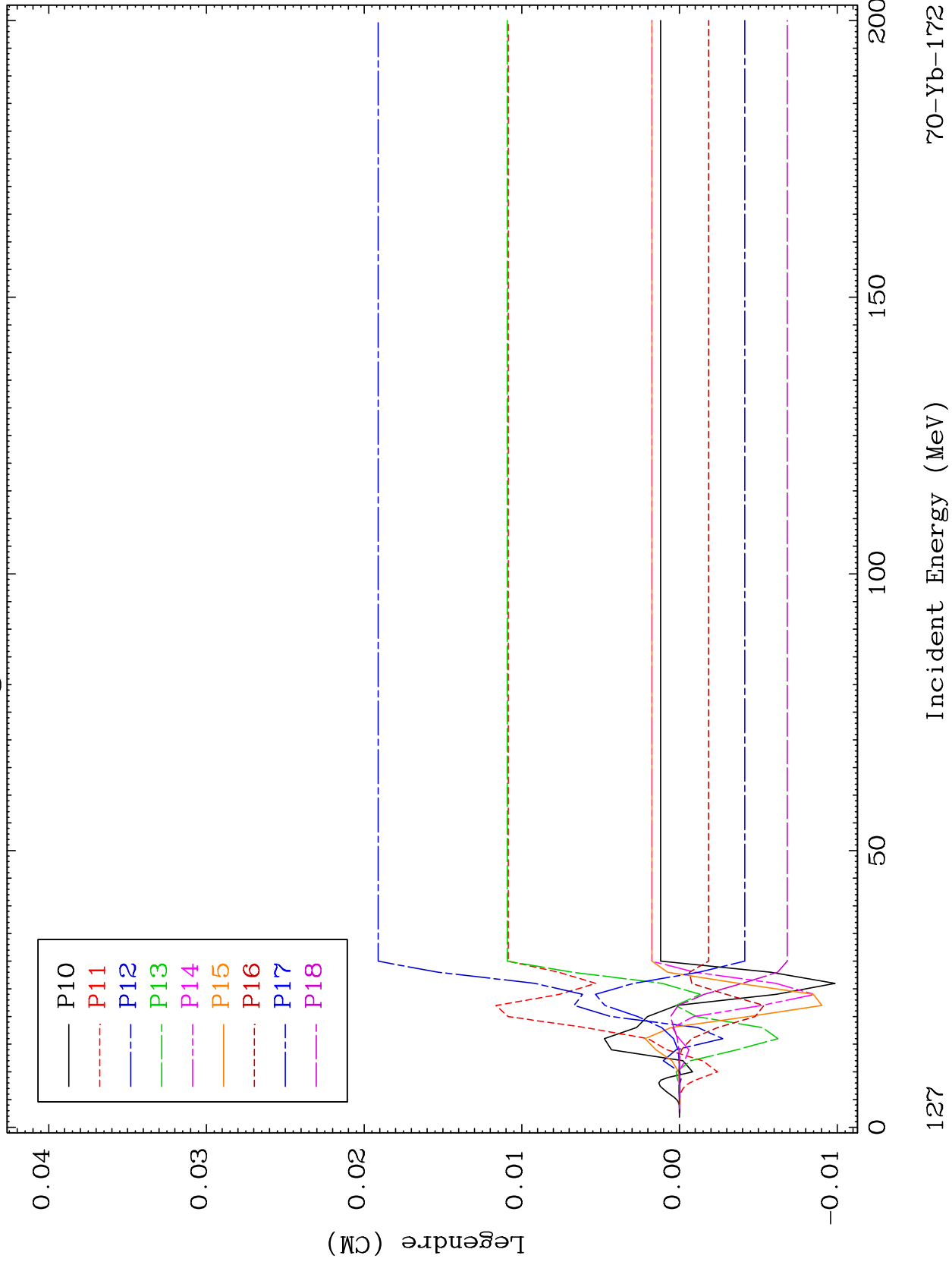
Incident Energy (MeV)

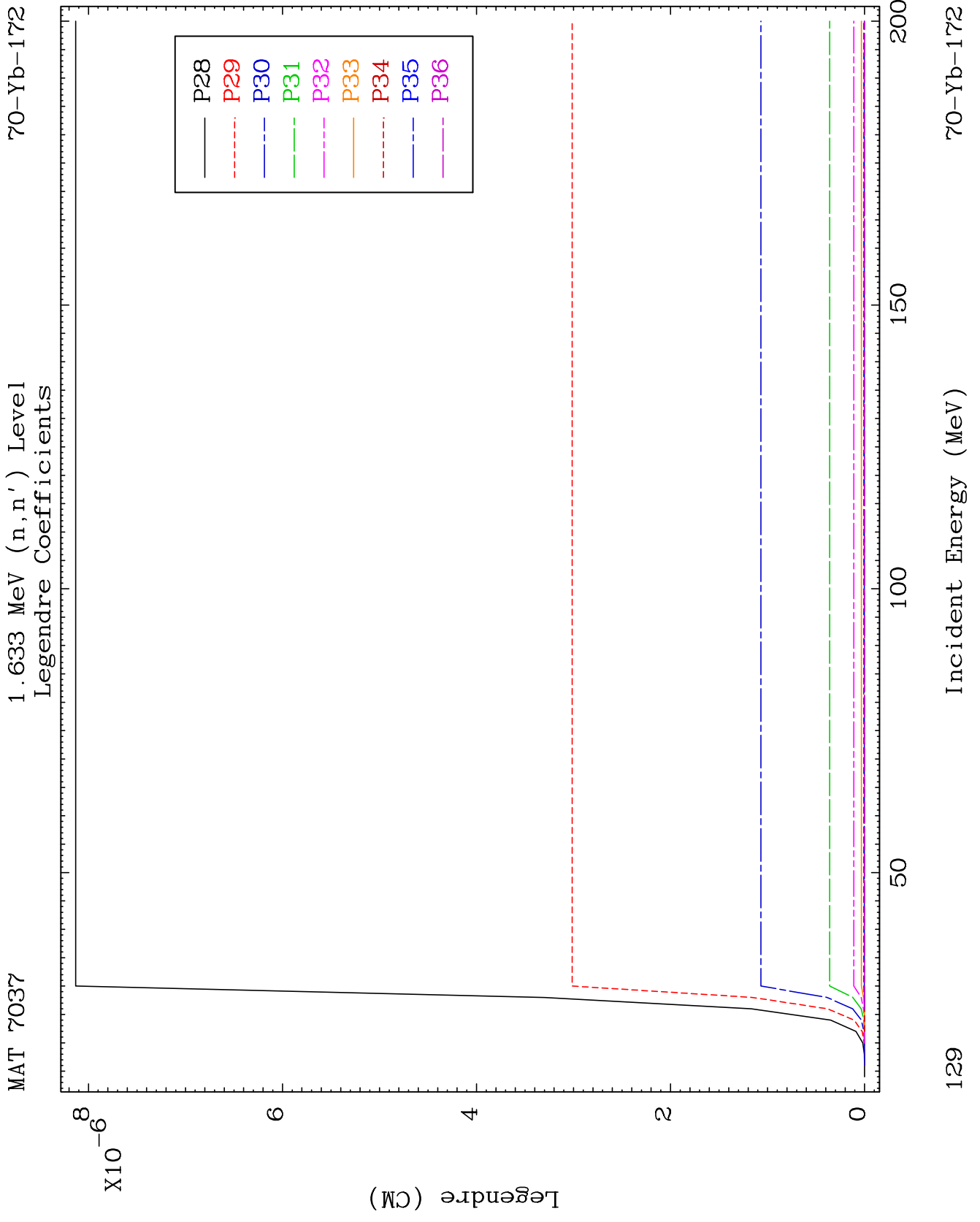
126

MAT 7037

1.633 MeV (n,n') Level
Legendre Coefficients

70-Yb-172



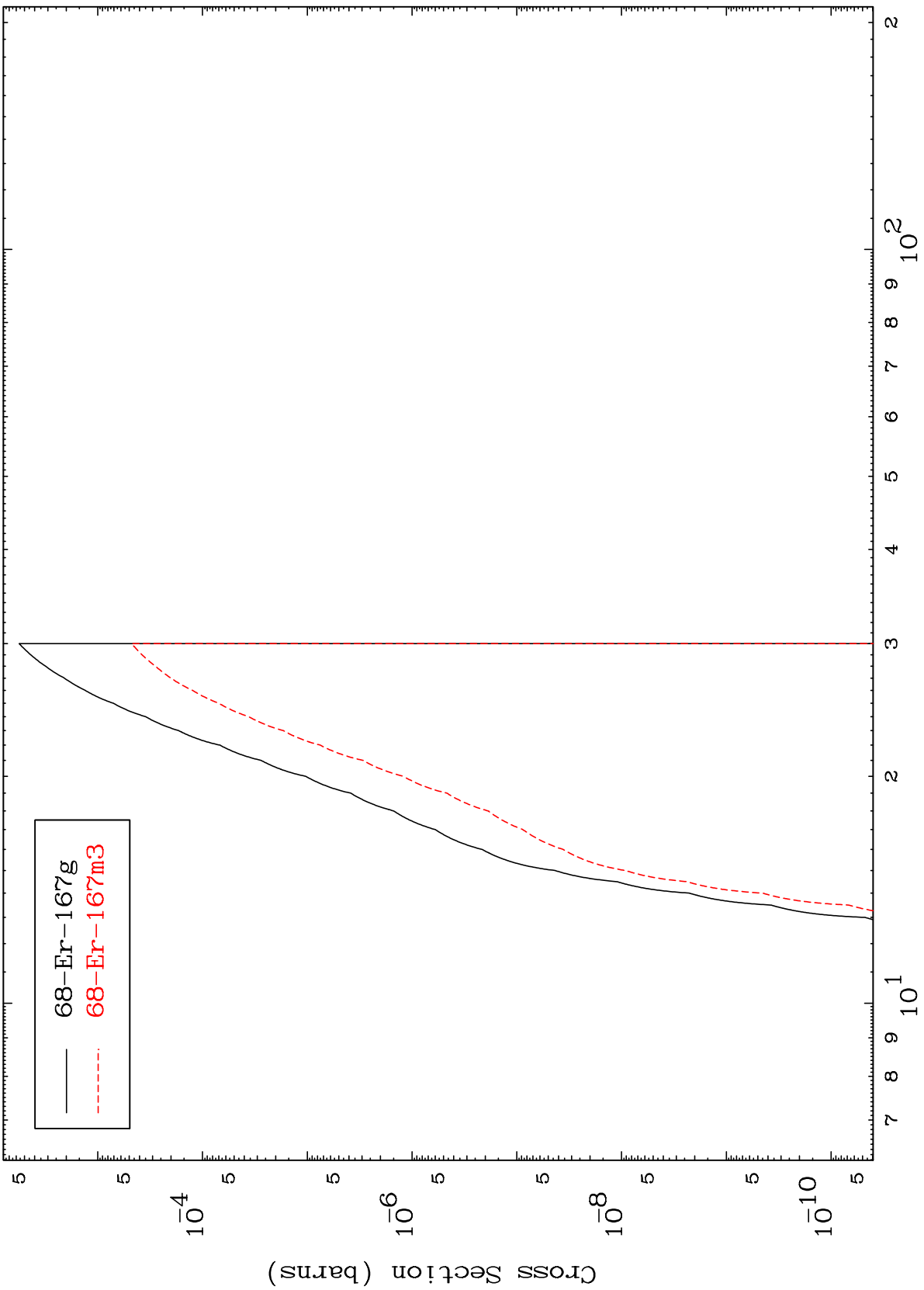


MAT 7037

(n,2n) α

70-Yb-172

Radionuclide Production Cross Section



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

130

Incident Energy (MeV)

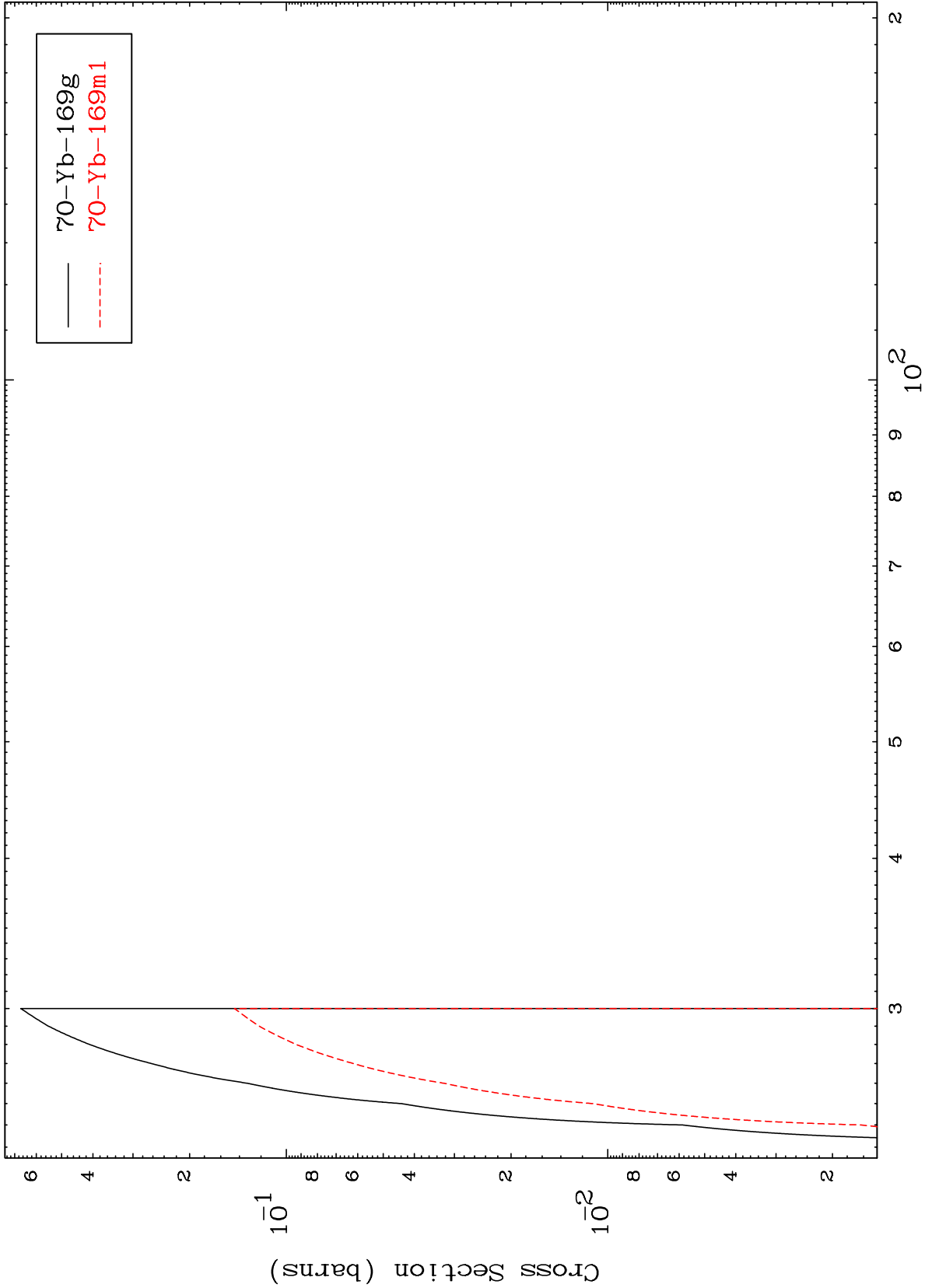
70-Yb-172

MAT 7037

(n,4n)

70-Yb-172

Radionuclide Production Cross Section



131

Incident Energy (MeV)

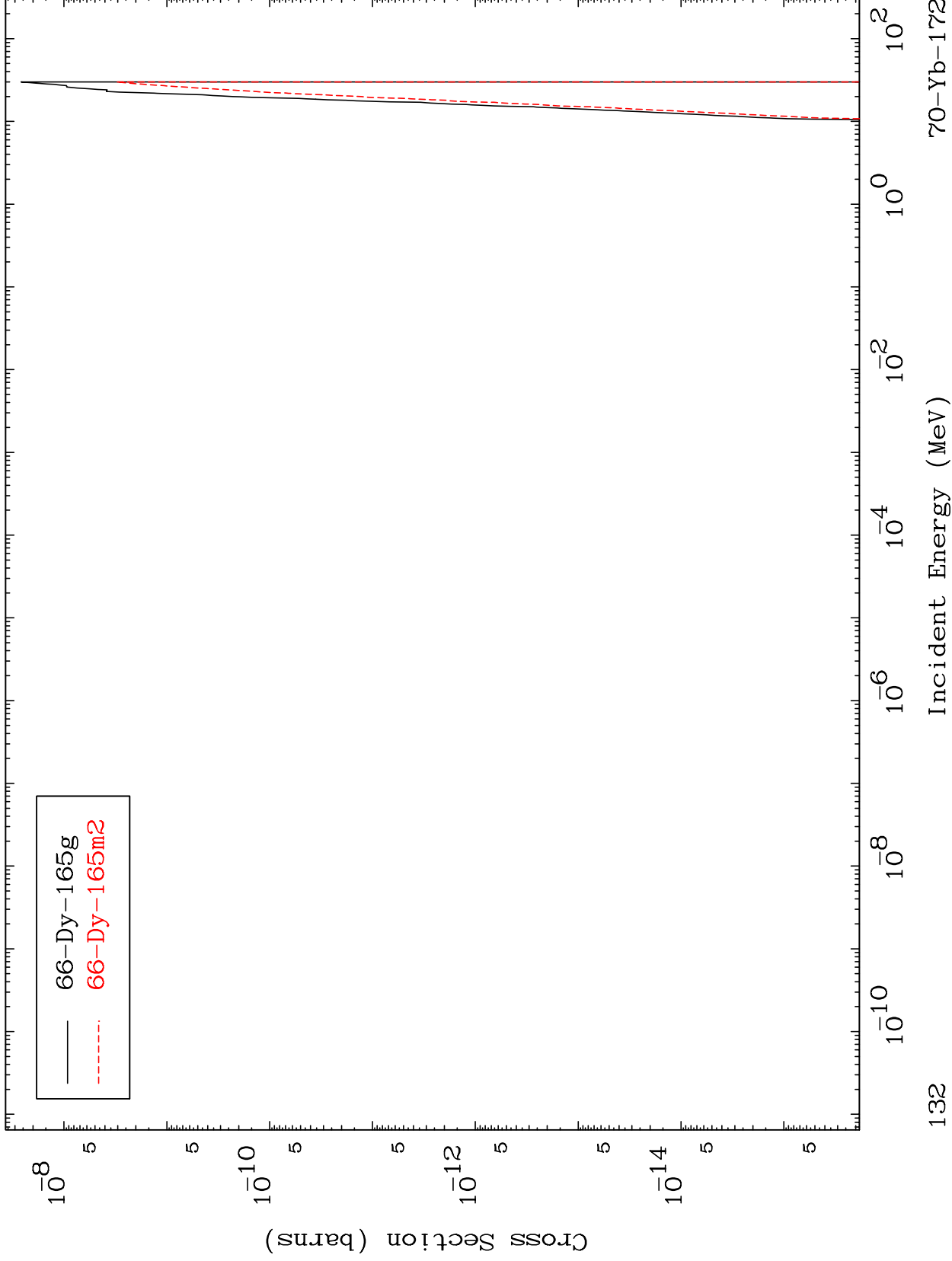
70-Yb-172

MAT 7037

(n,2α)

70-Yb-172

Radionuclide Production Cross Section

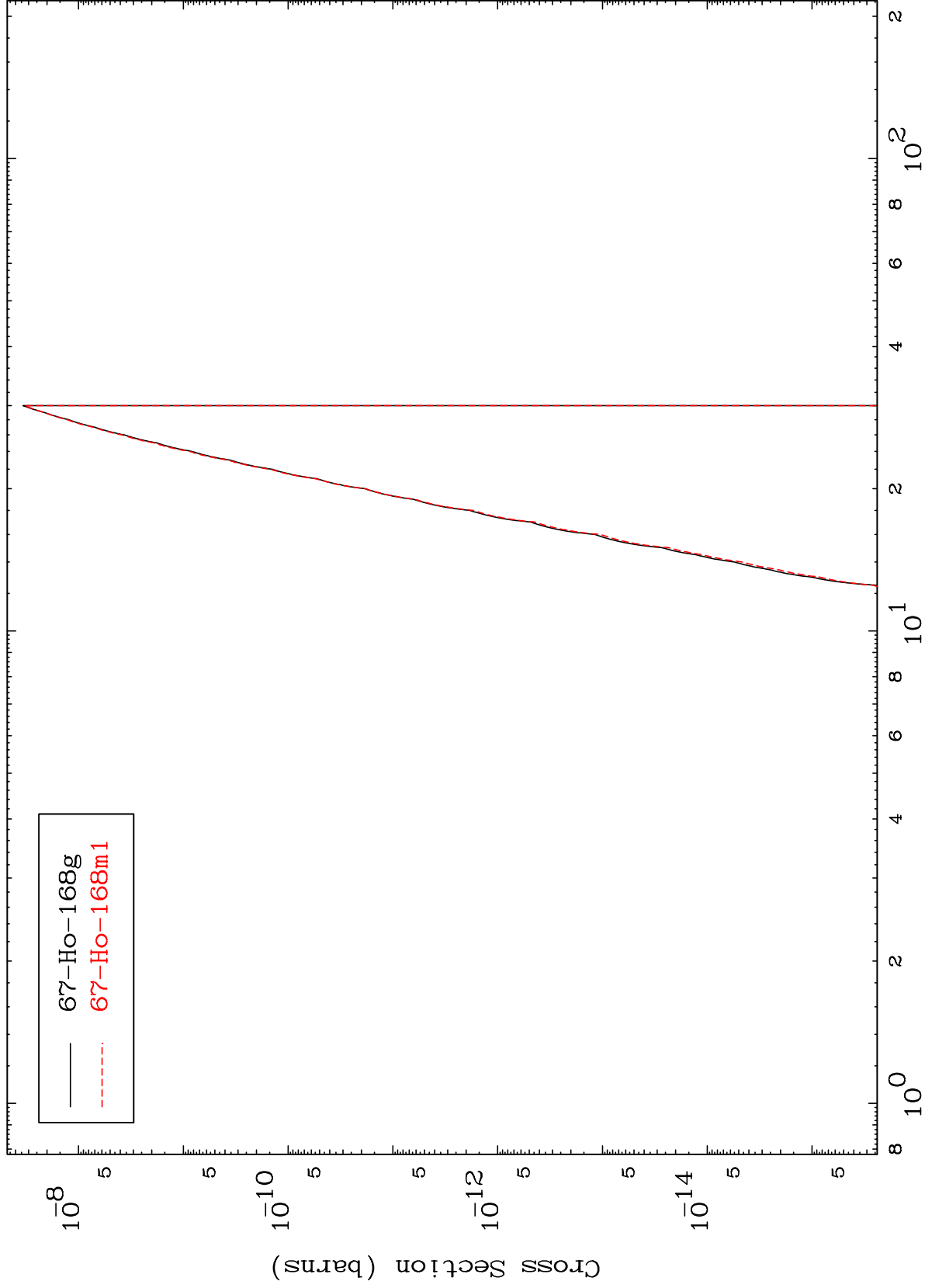


MAT 7037

(n,p) α

70-Yb-172

Radionuclide Production Cross Section



133

Incident Energy (MeV)

70-Yb-172