

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

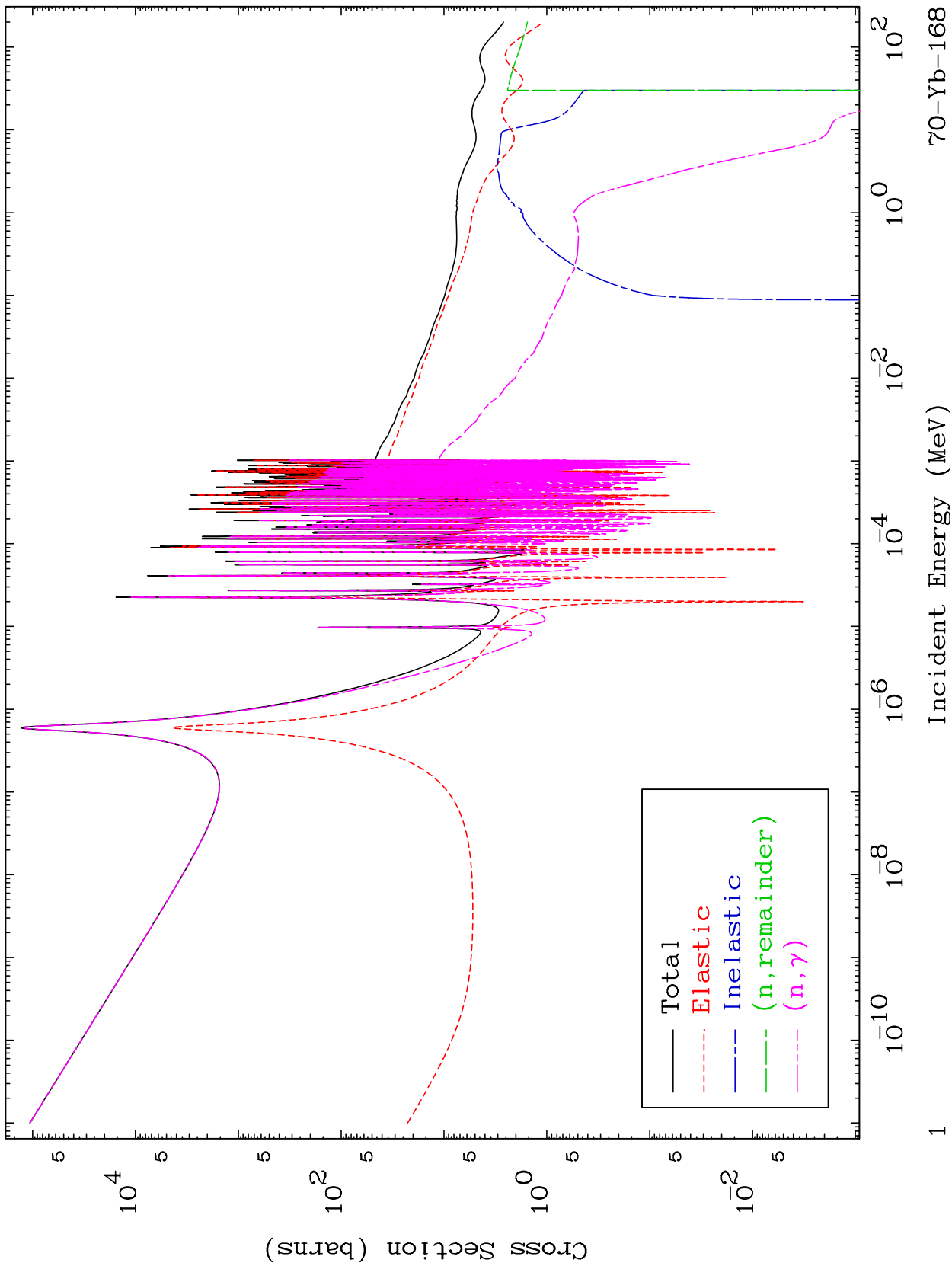
Press Mouse Button to Start

MAT 7025

Major

293 Kelvin Cross Sections

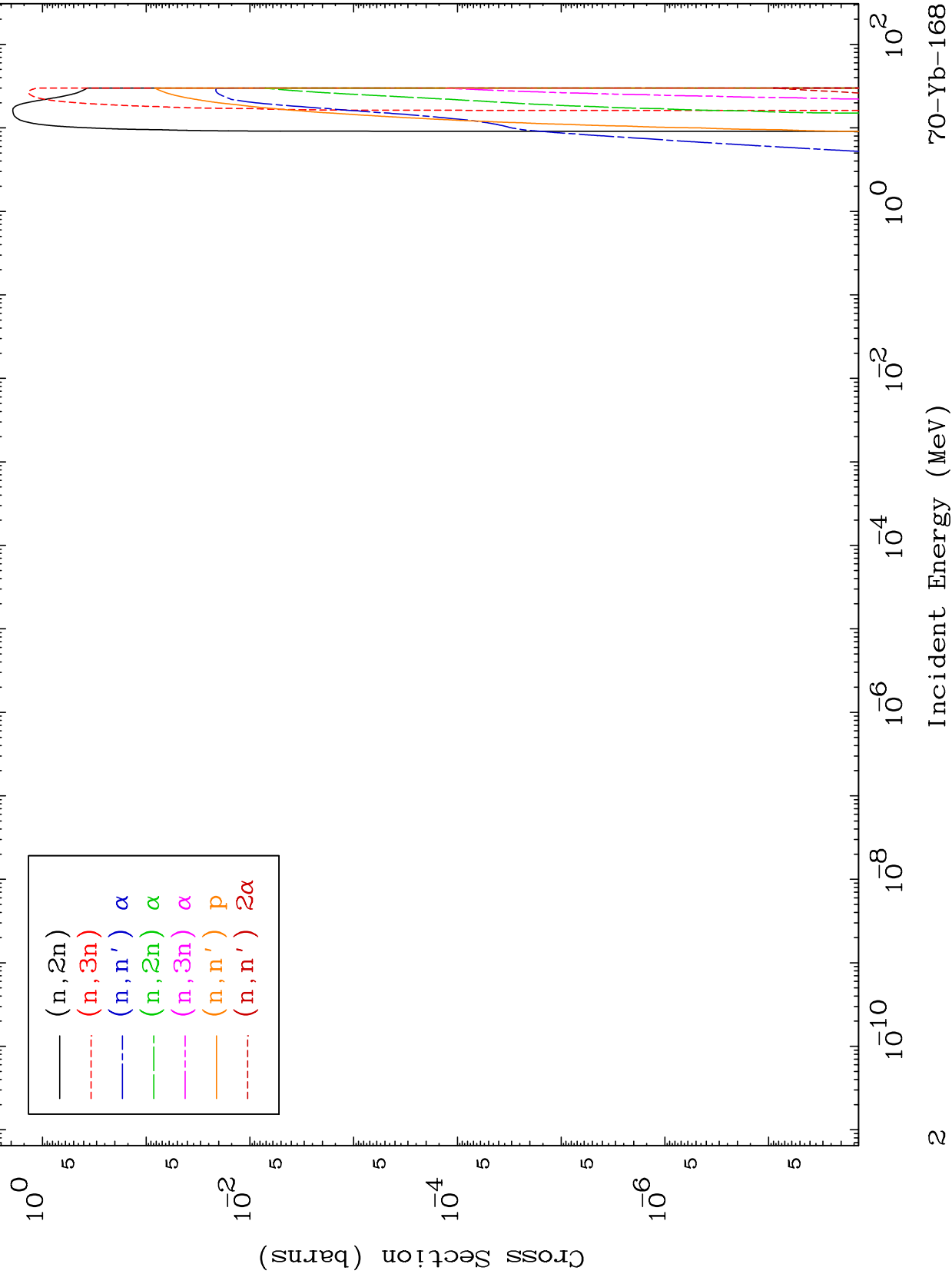
70-Yb-168

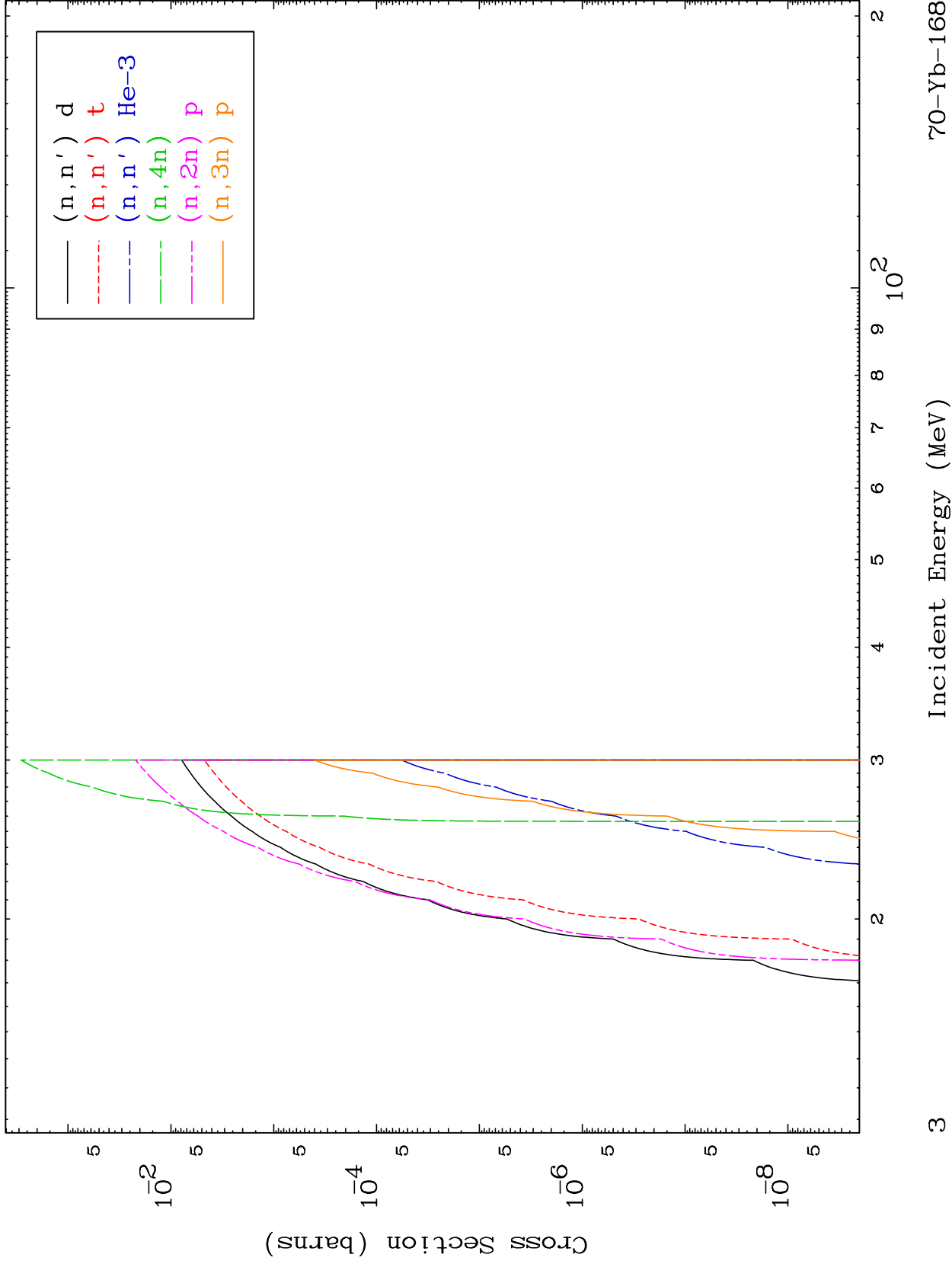


MAT 7025

Neutron Production
293 Kelvin Cross Sections

70-Yb-168

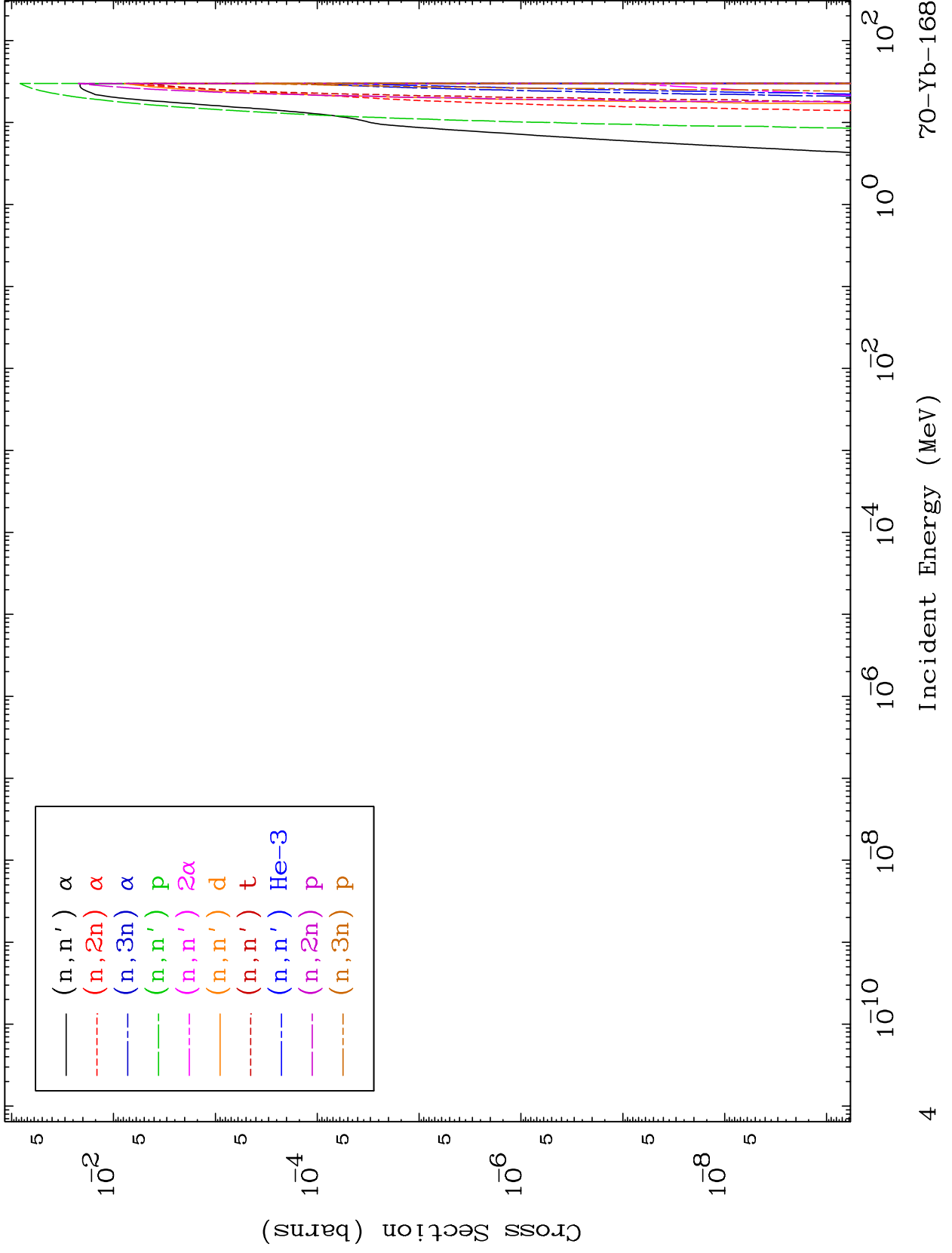




MAT 7025

Charged Particle
293 Kelvin Cross Sections

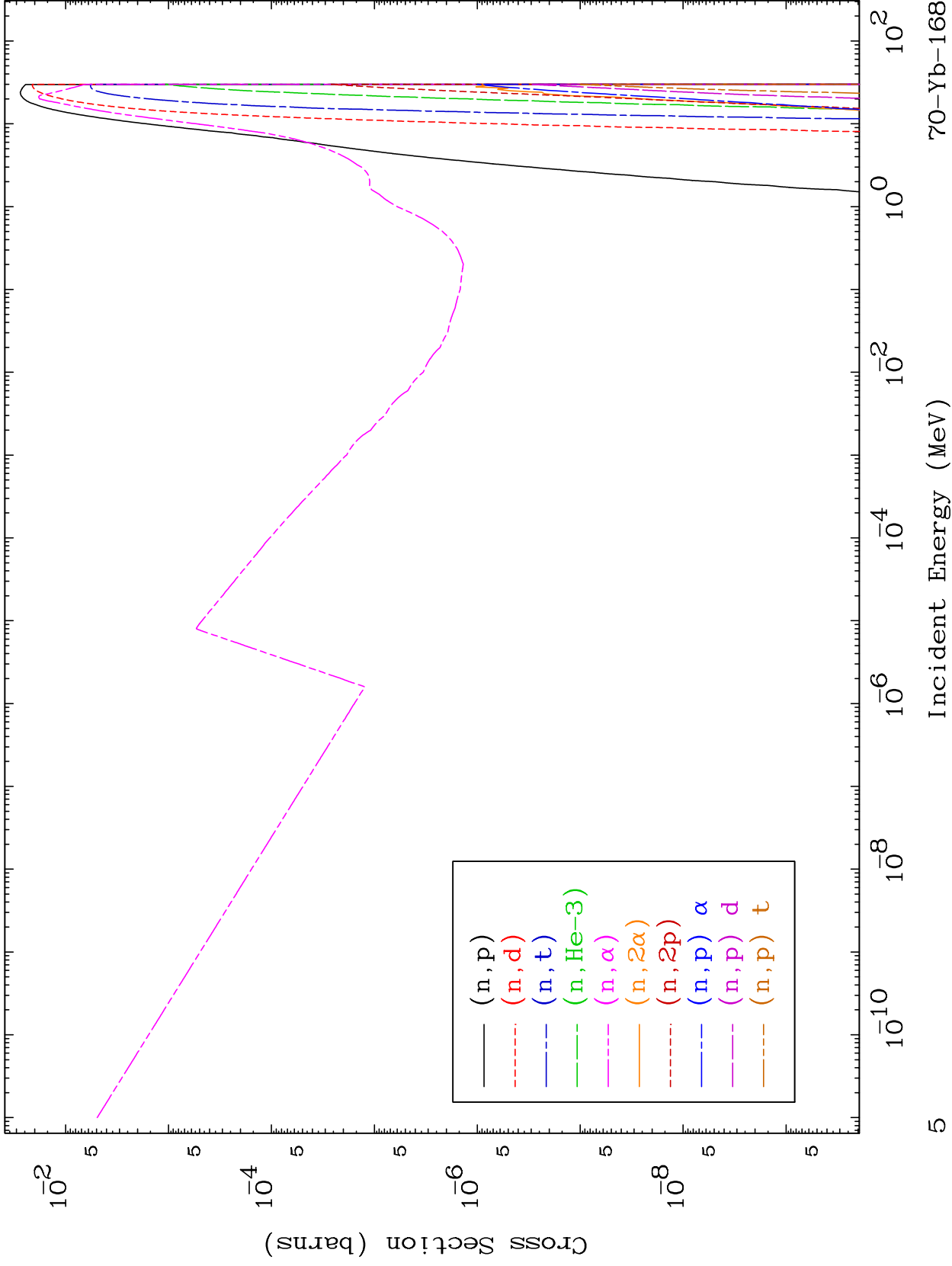
70-Yb-168

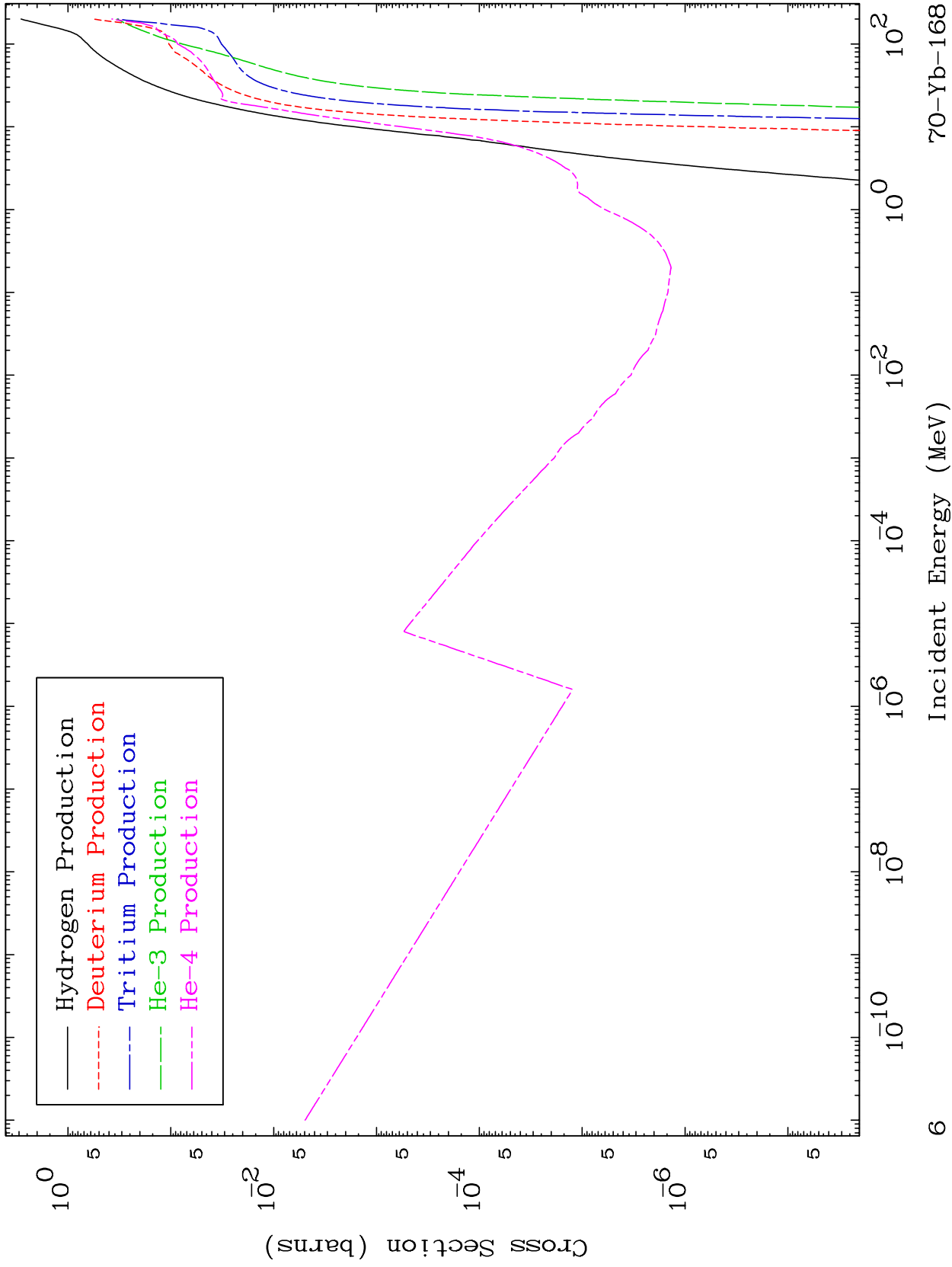


MAT 7025

Charged Particle
293 Kelvin Cross Sections

70-Yb-168

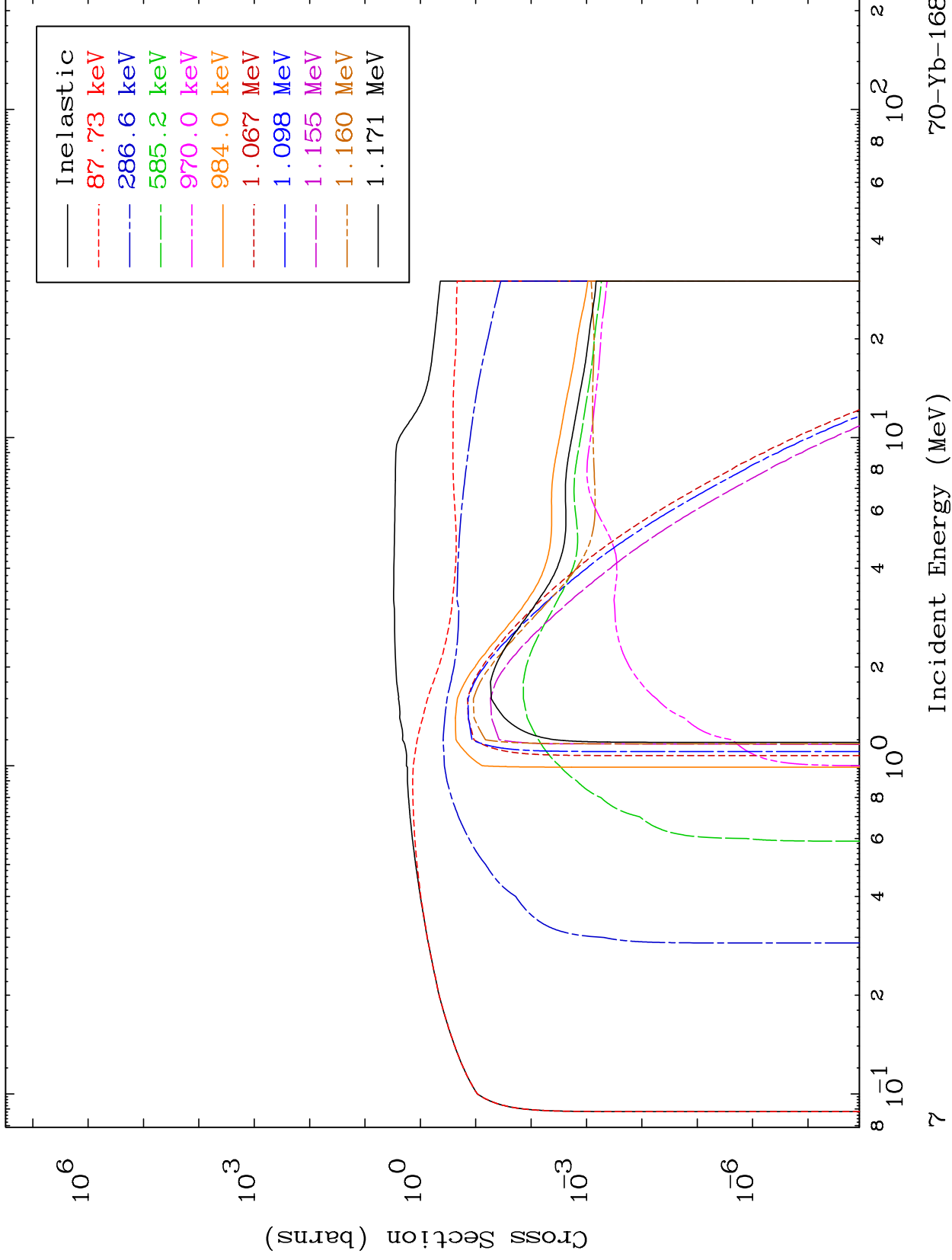




MAT 7025

(n,n') Level
293 Kelvin Cross Sections

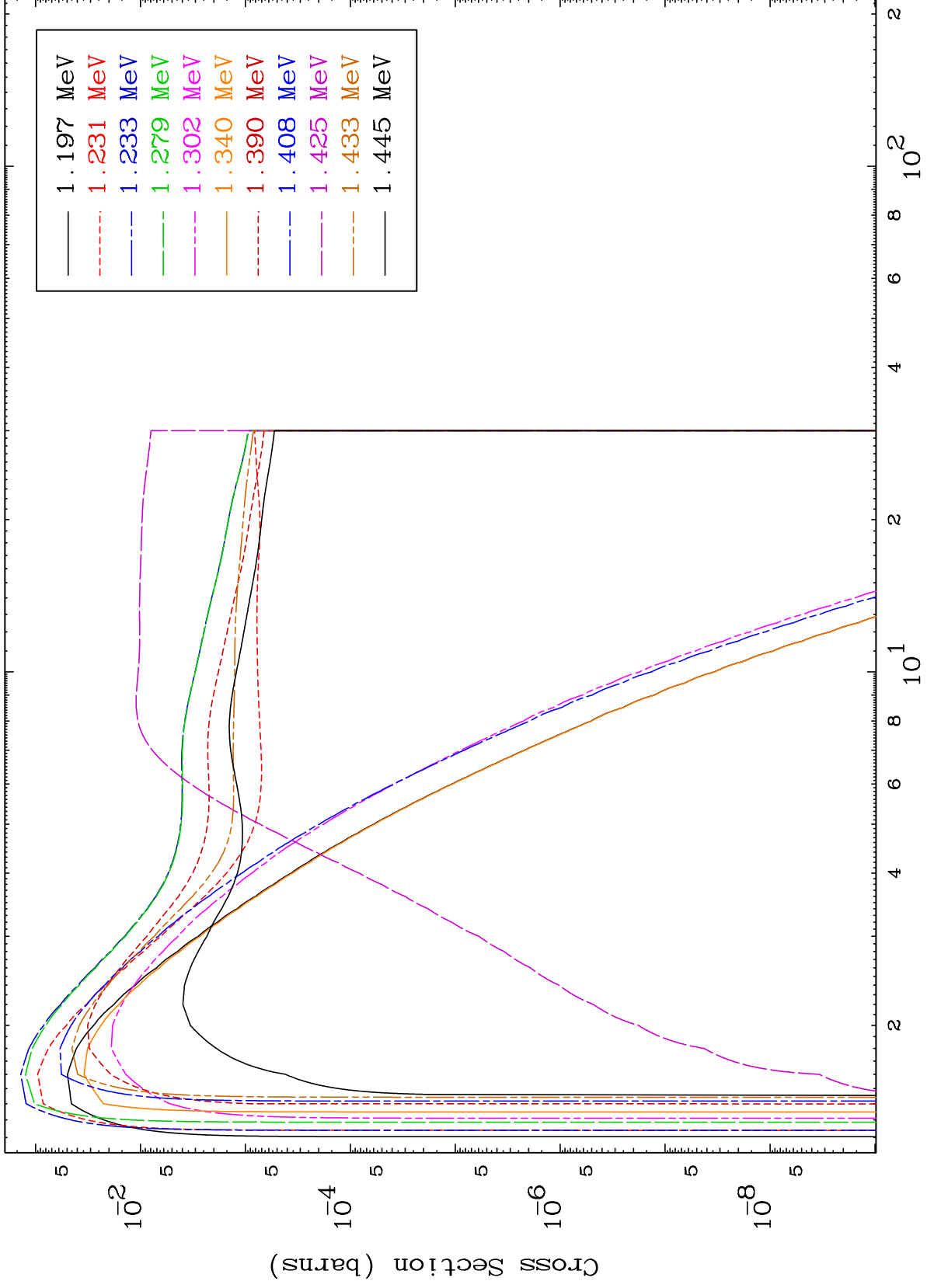
70-Yb-168



MAT 7025

(n,n') Level
293 Kelvin Cross Sections

70-Yb-168

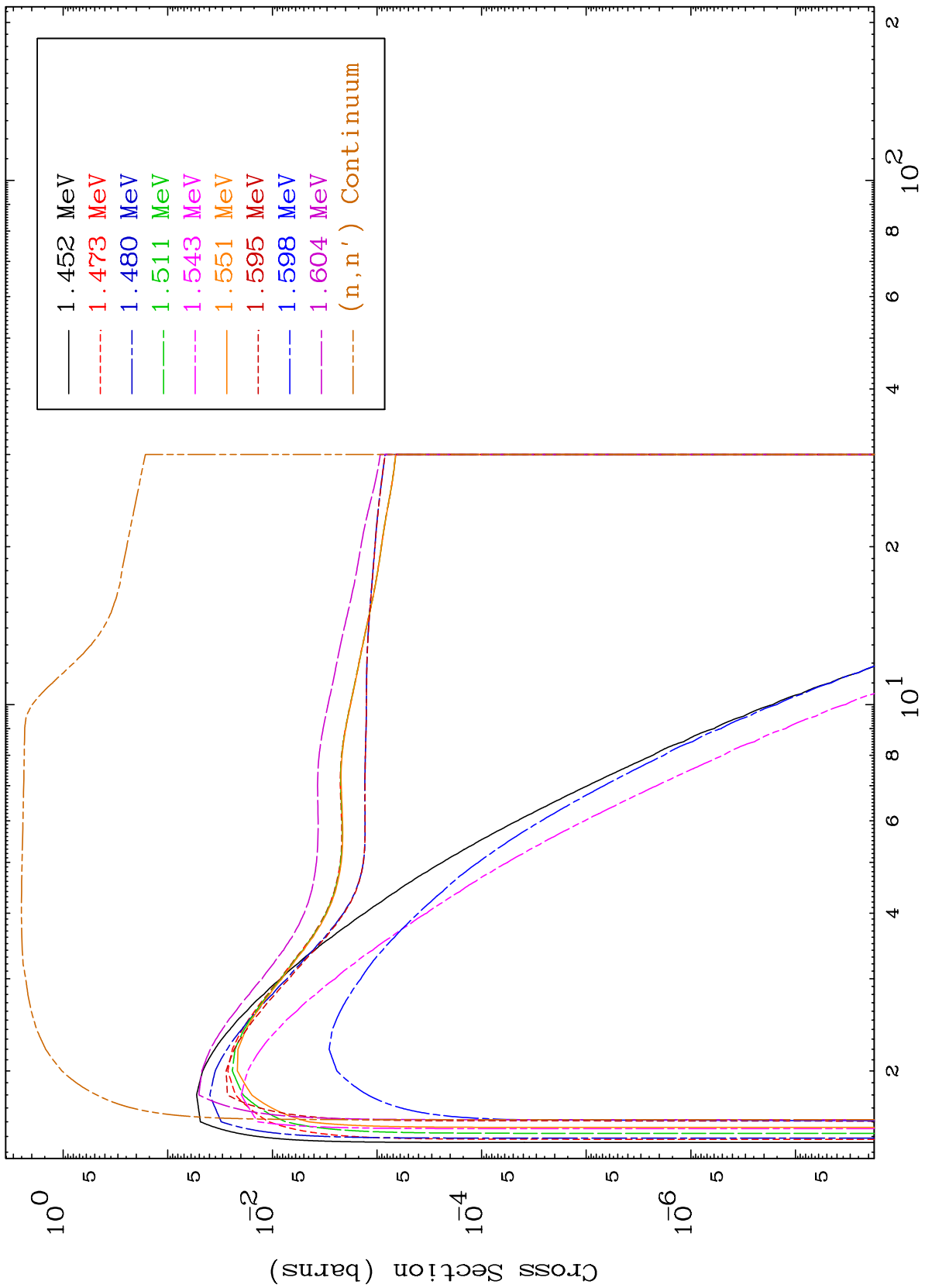


8

Incident Energy (MeV)

70-Yb-168

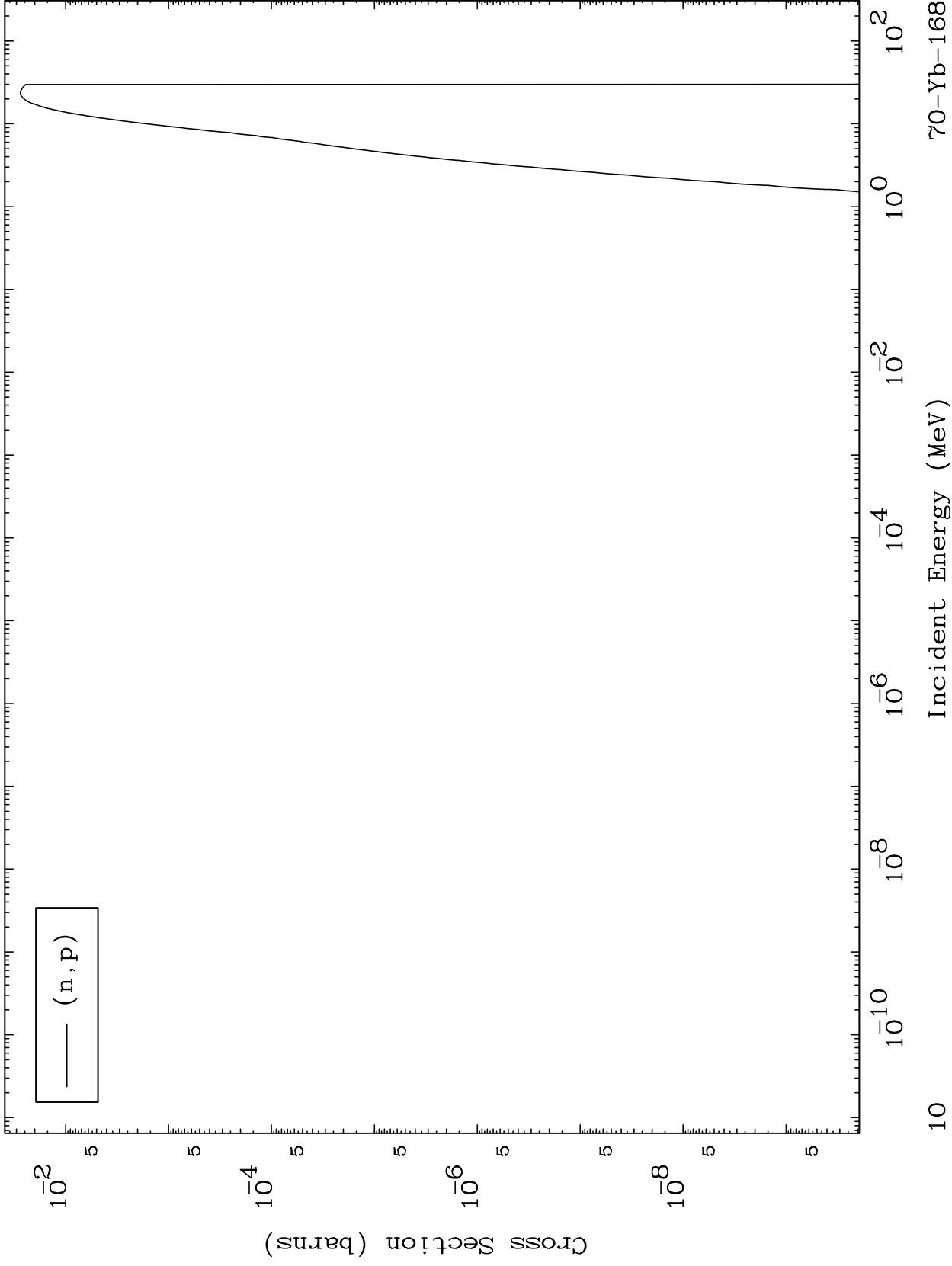
293 Kelvin Cross Sections



MAT 7025

(n,p) Levels
293 Kelvin Cross Sections

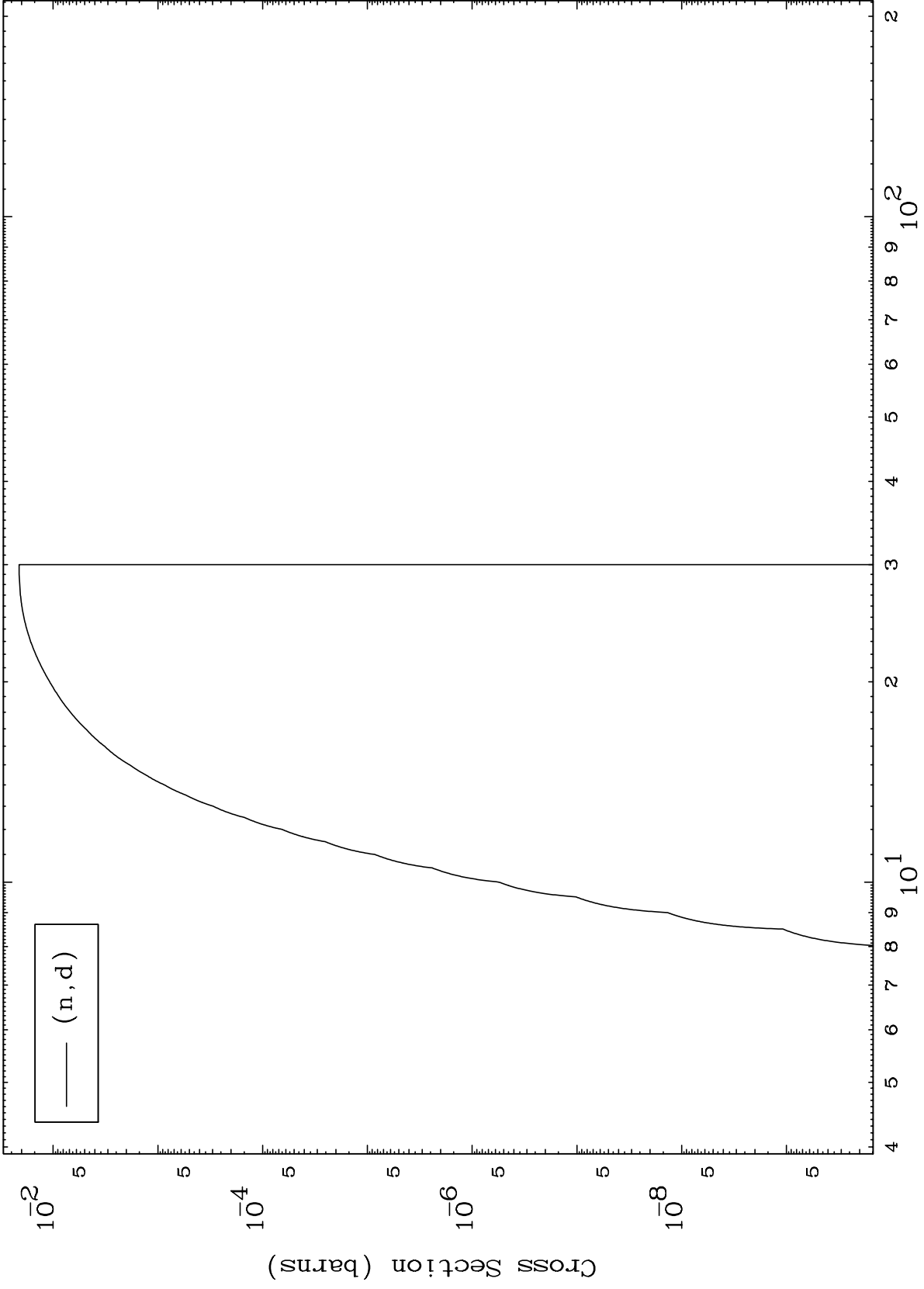
70-Yb-168



MAT 7025

(n,d) Levels
293 Kelvin Cross Sections

70-Yb-168



11

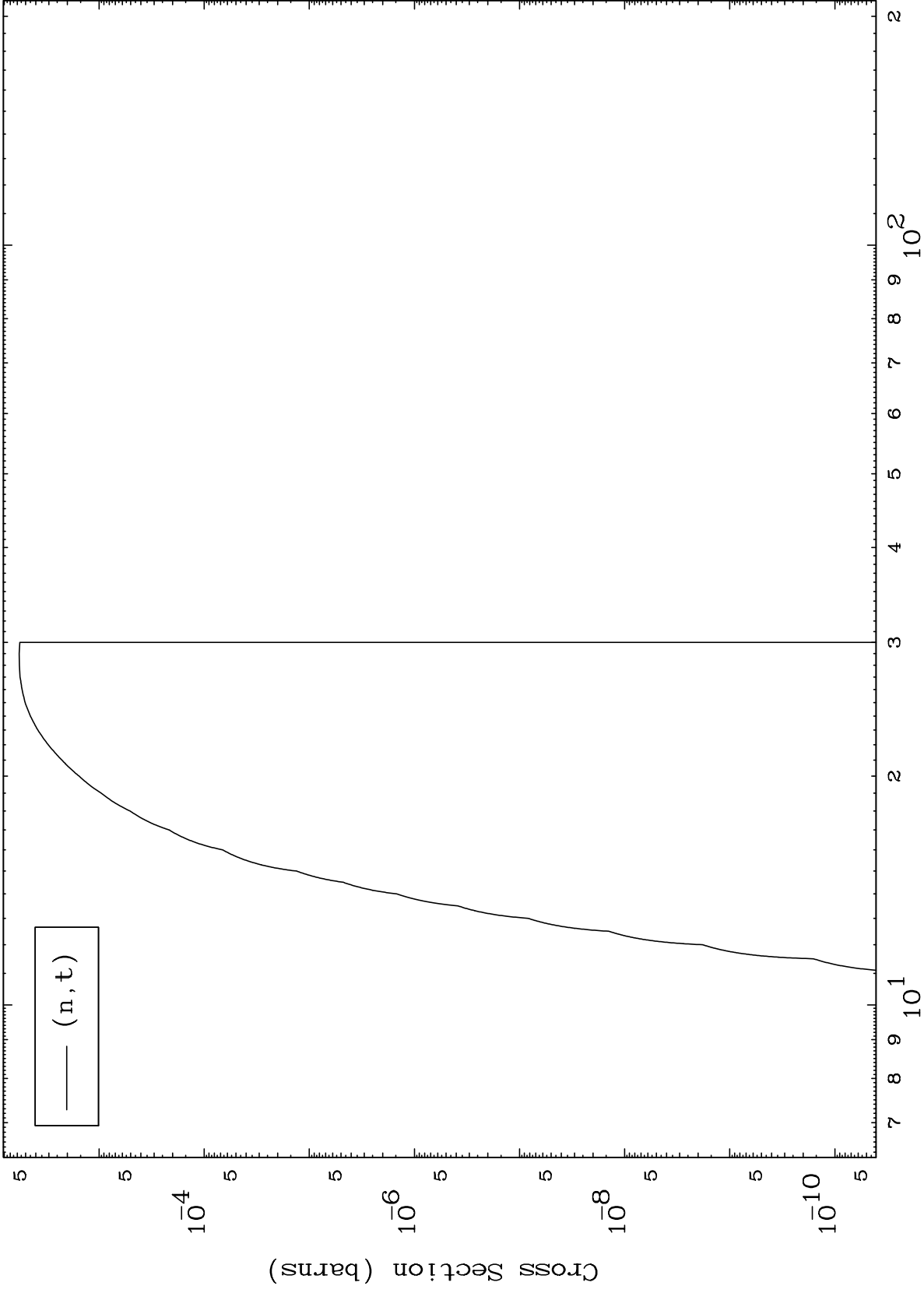
Incident Energy (MeV)

70-Yb-168

MAT 7025

(n,t) Levels
293 Kelvin Cross Sections

70-Yb-168



12

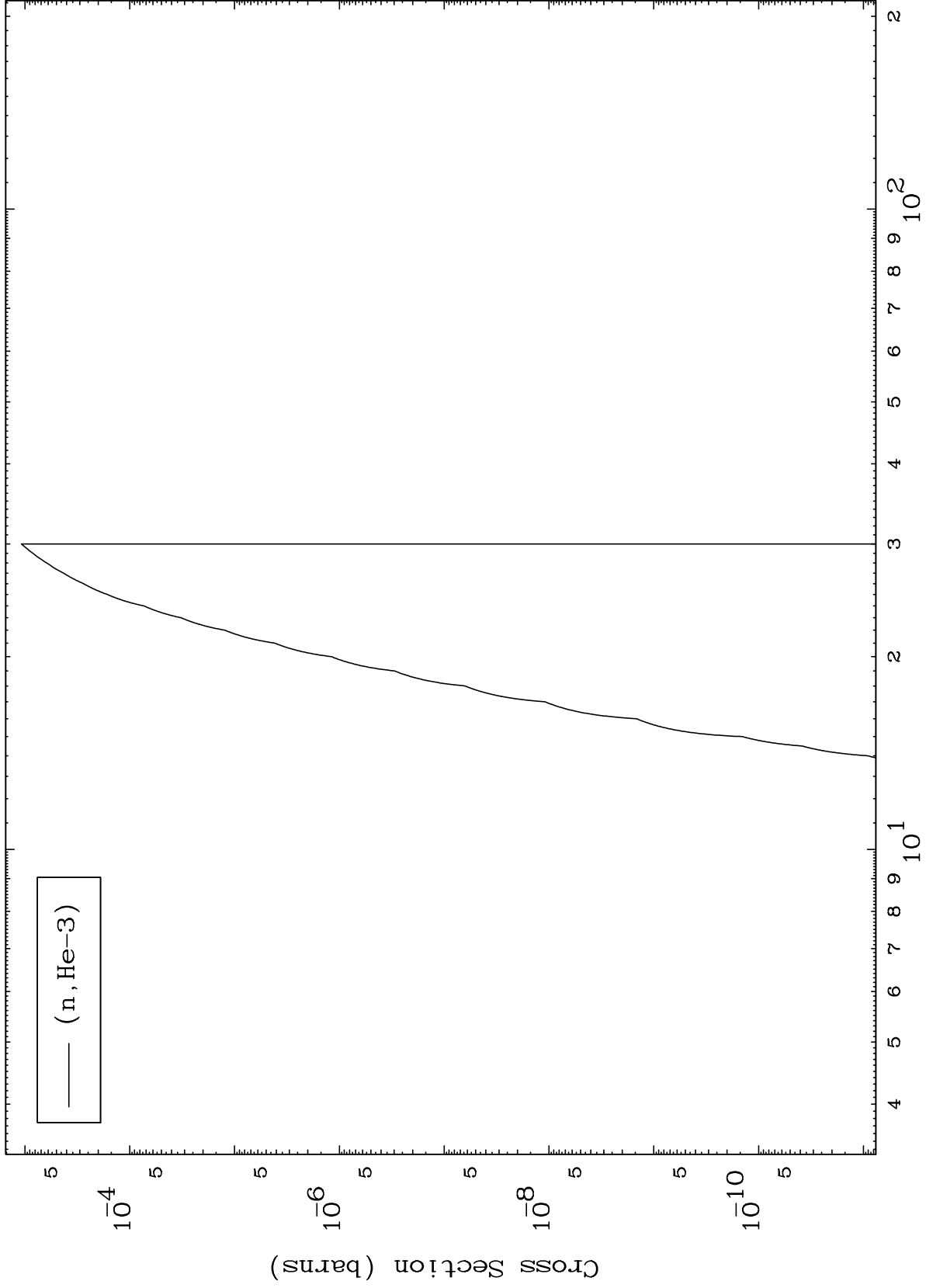
Incident Energy (MeV)

70-Yb-168

MAT 7025

(n,He3) Levels
293 Kelvin Cross Sections

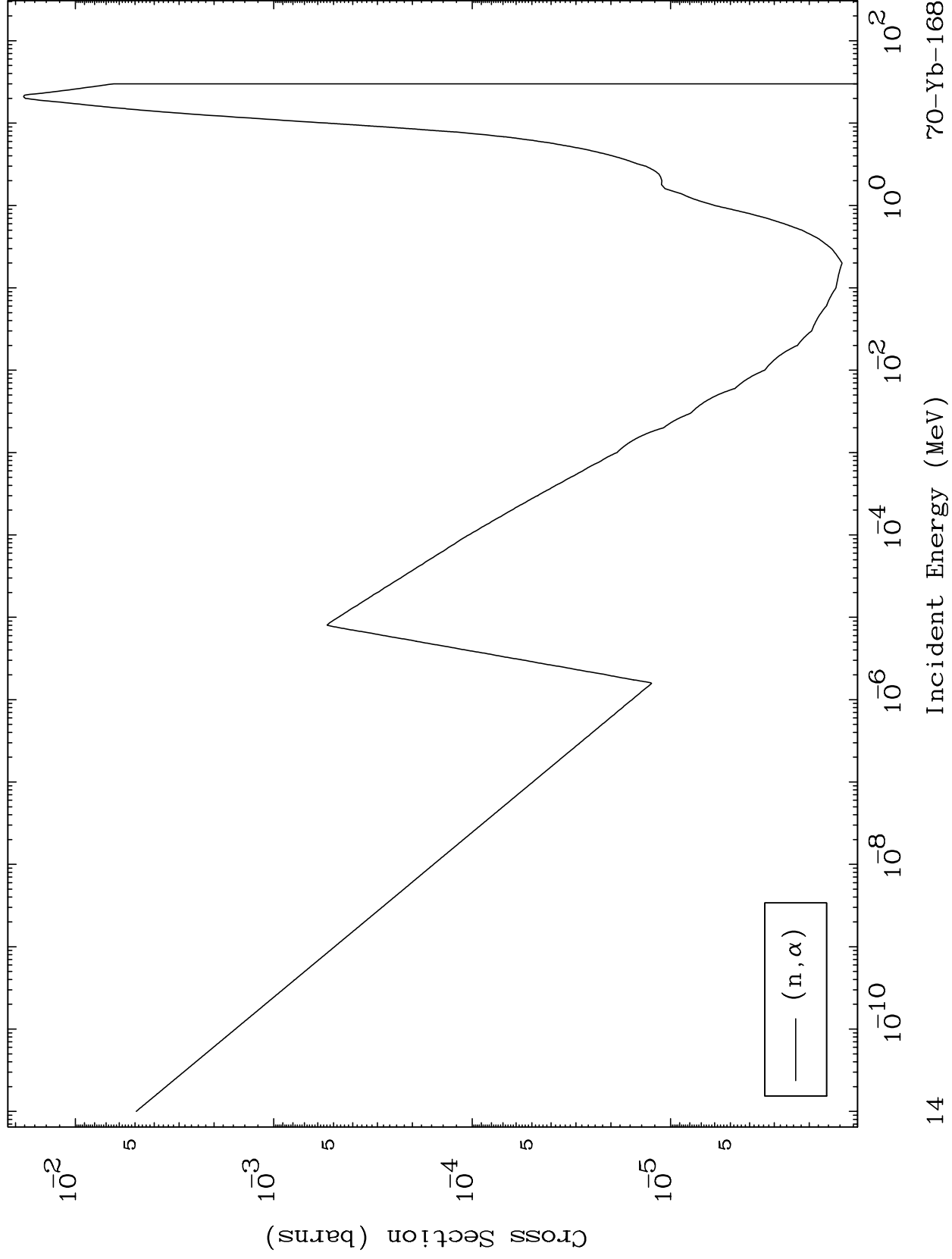
70-Yb-168

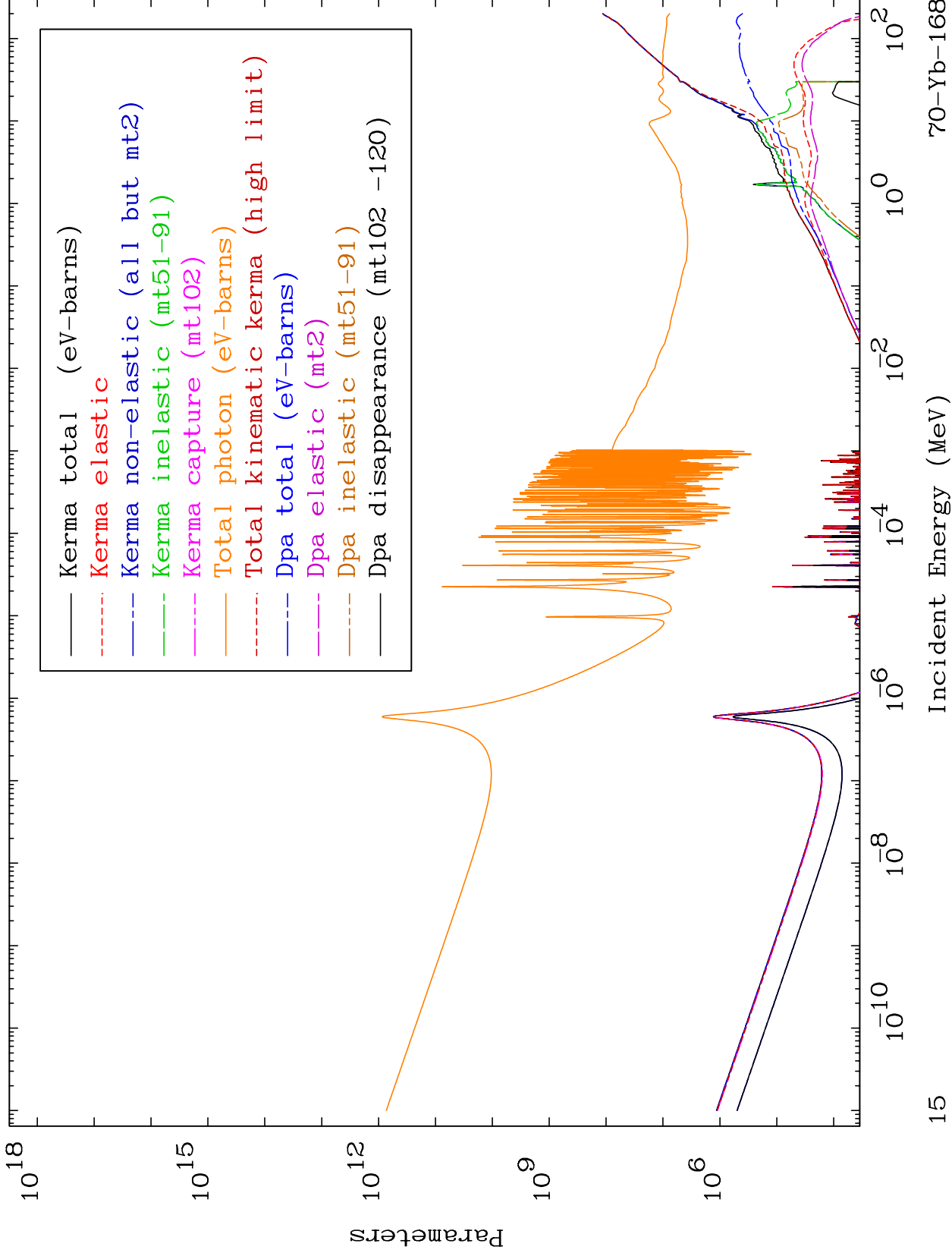


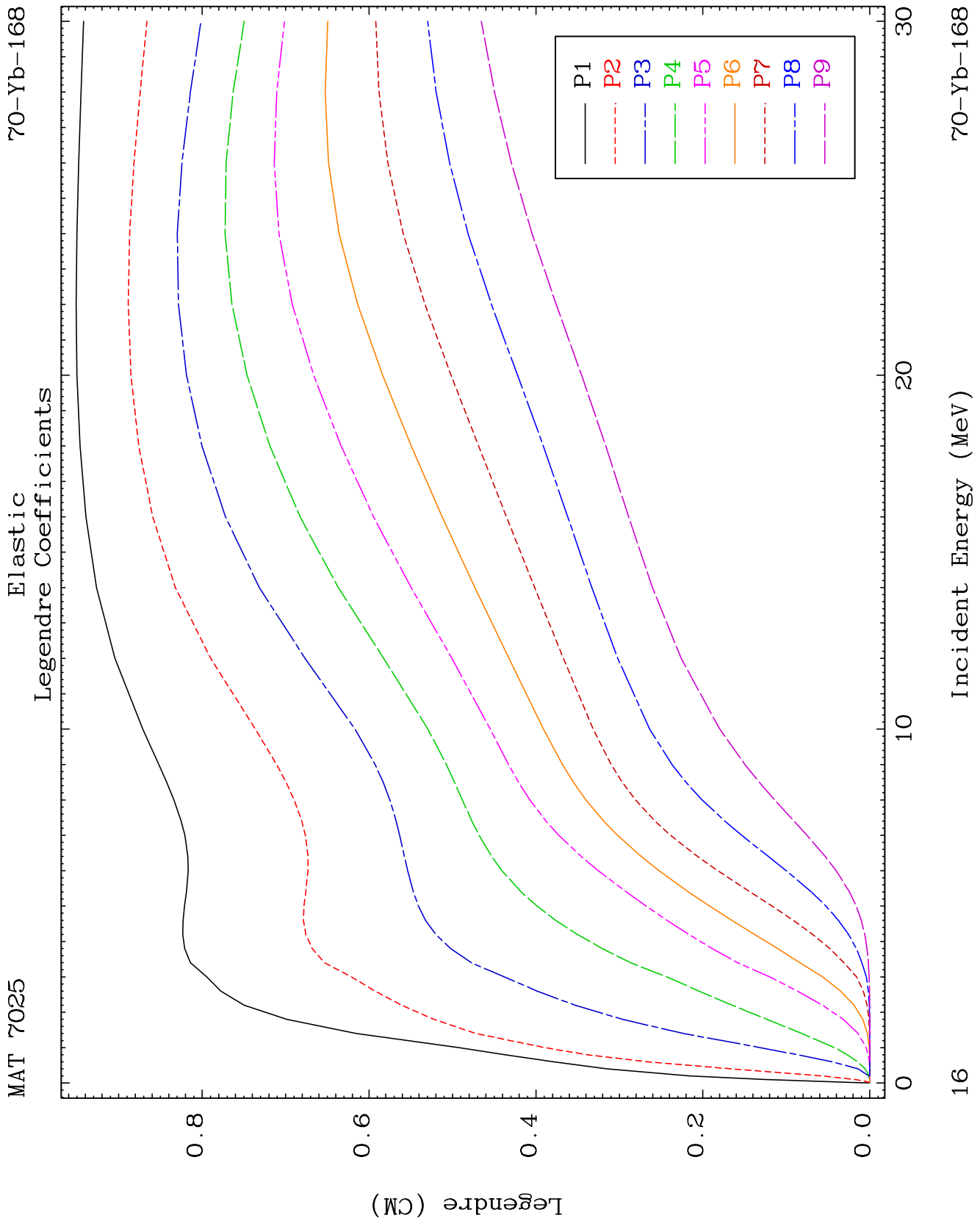
MAT 7025

(n, α) Levels
293 Kelvin Cross Sections

70-Yb-168



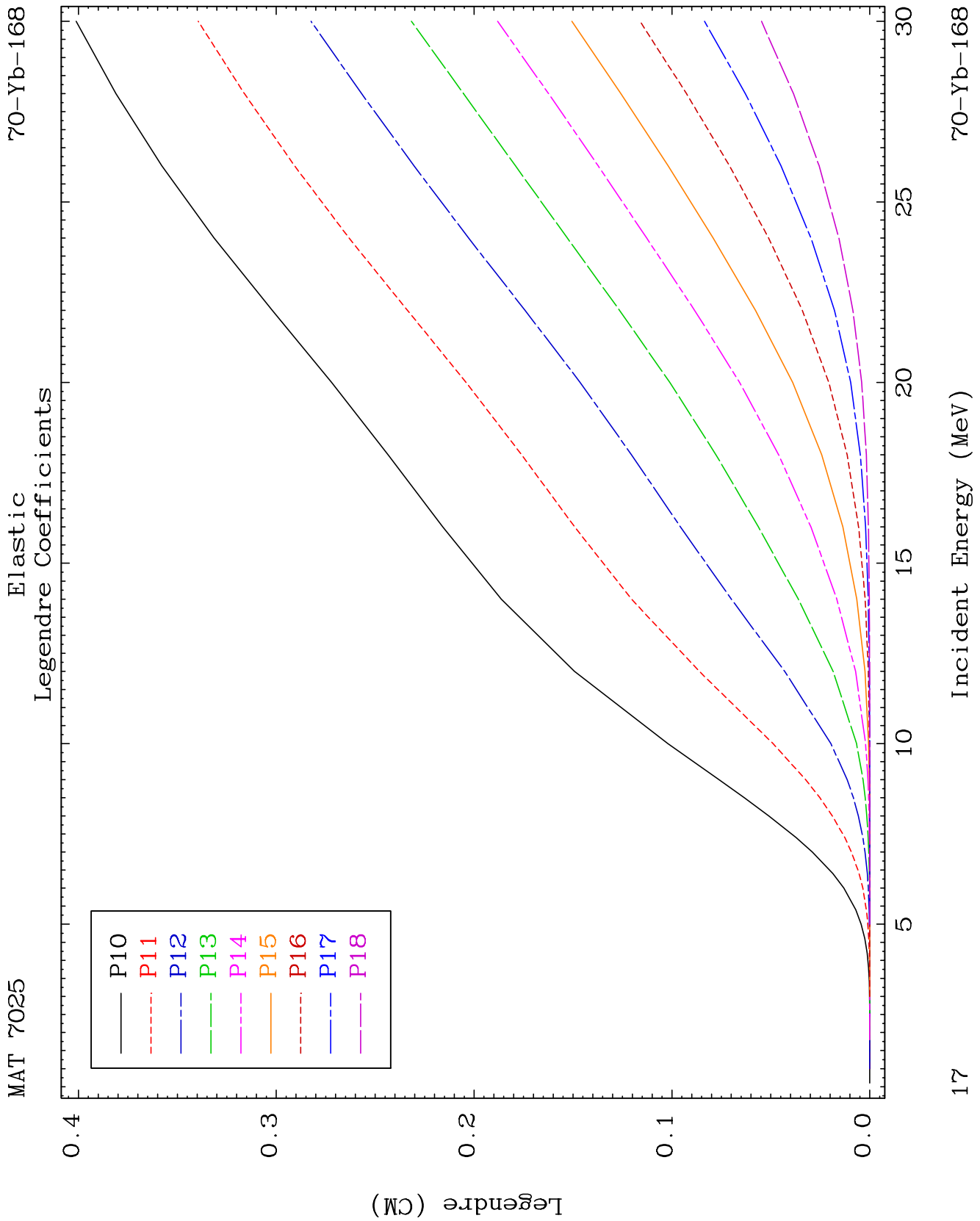




16

Incident Energy (MeV)

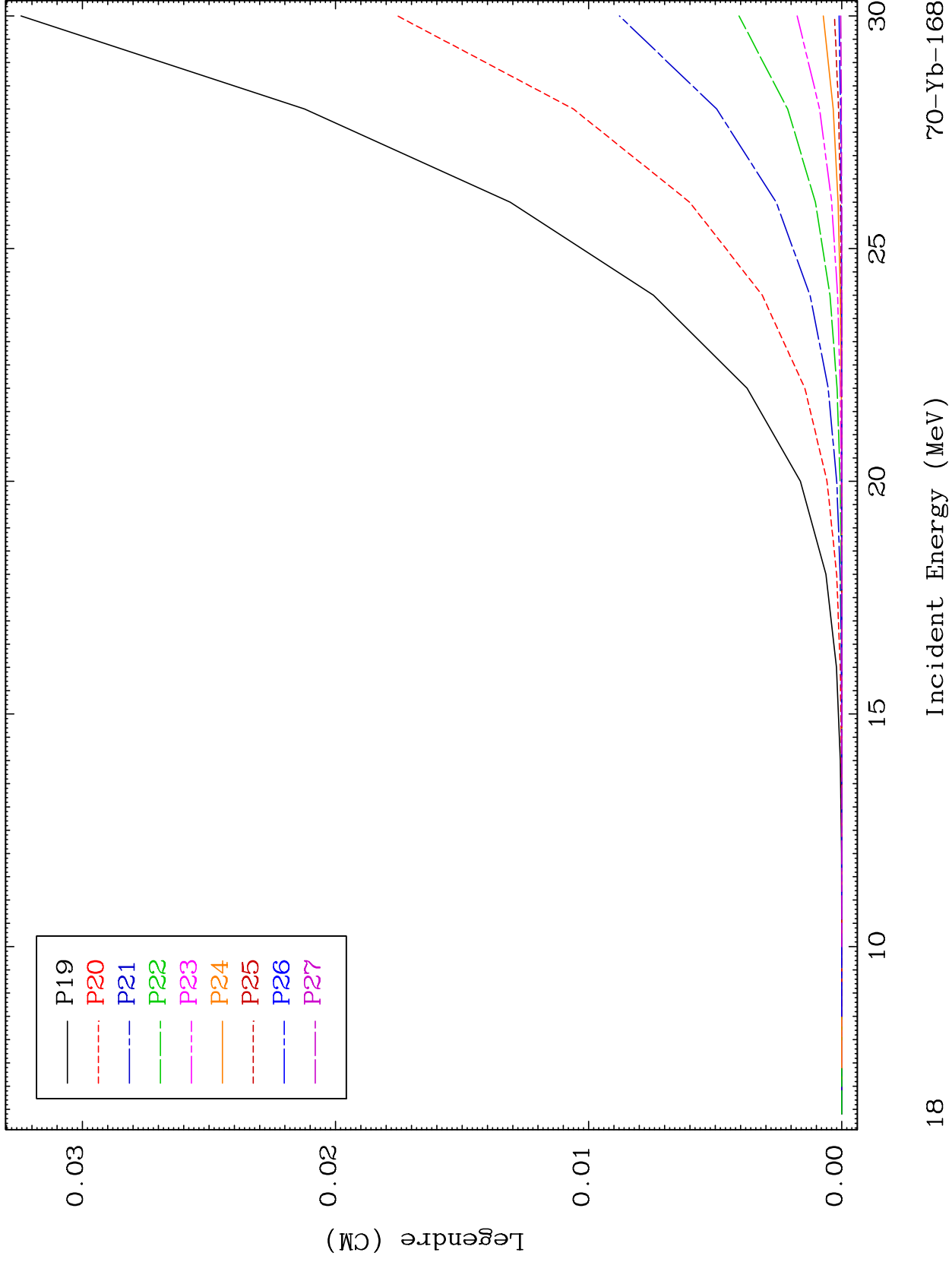
70-Yb-168



MAT 7025

Elastic
Legendre Coefficients

70-Yb-168



18

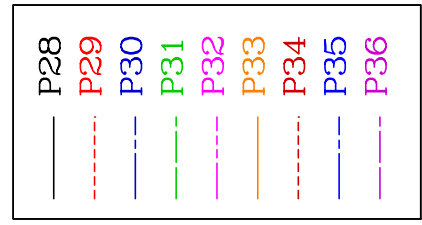
Incident Energy (MeV)

70-Yb-168

MAT 7025

Elastic
Legendre Coefficients

70-Yb-168



$\times 10^{-5}$

1.2

0.8

0.4

0.0

Legendre (CM)

15

20

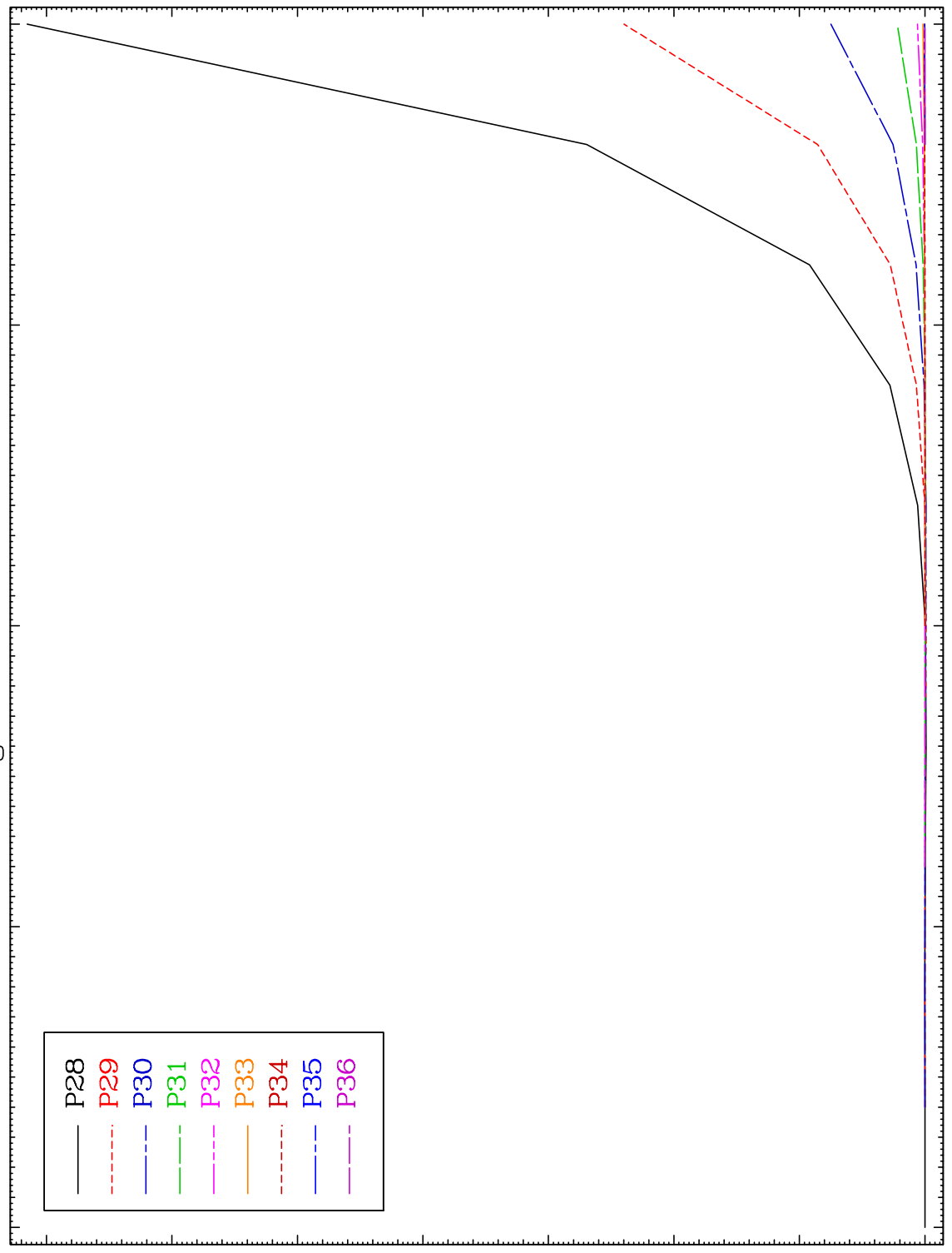
25

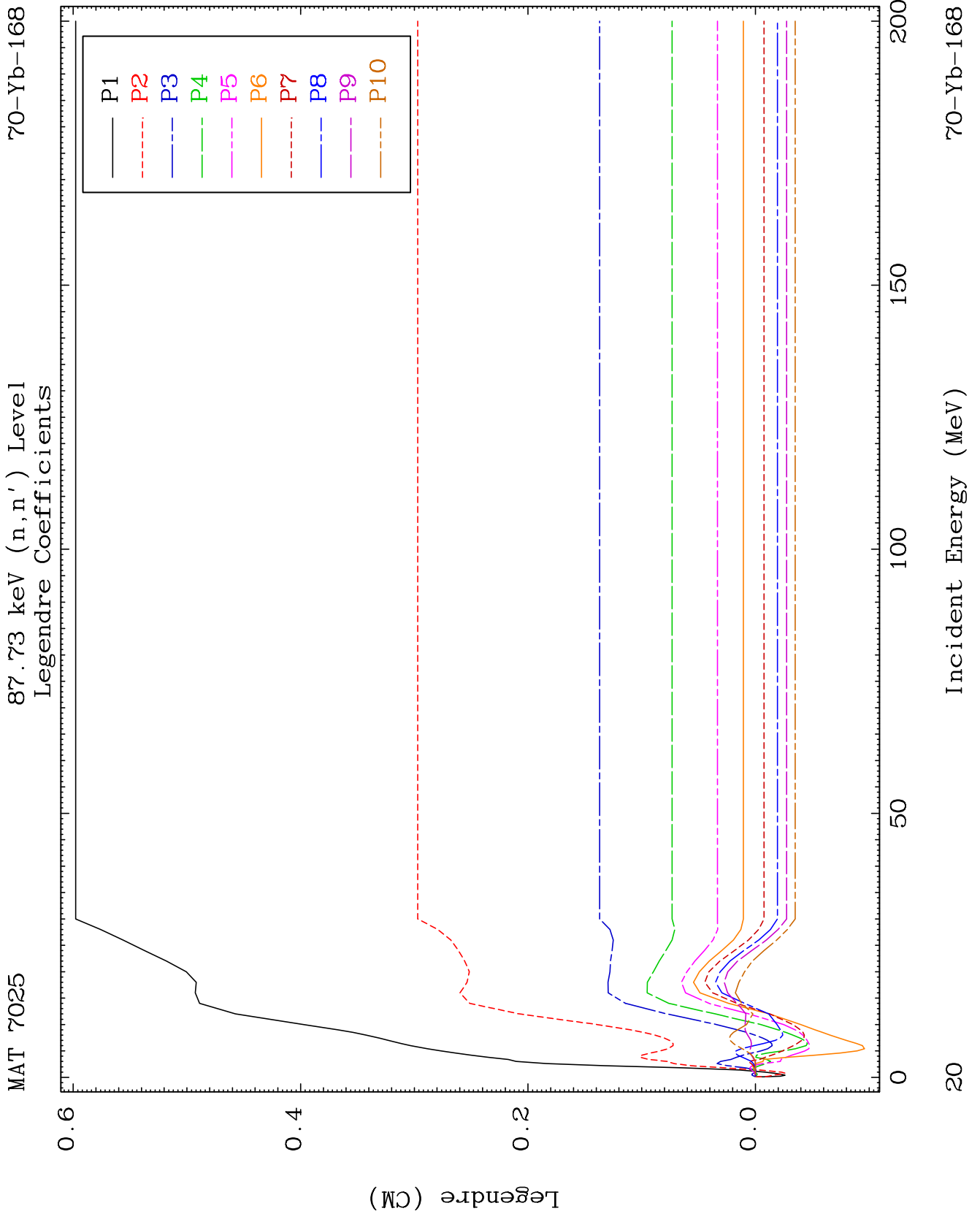
30

19

Incident Energy (MeV)

70-Yb-168

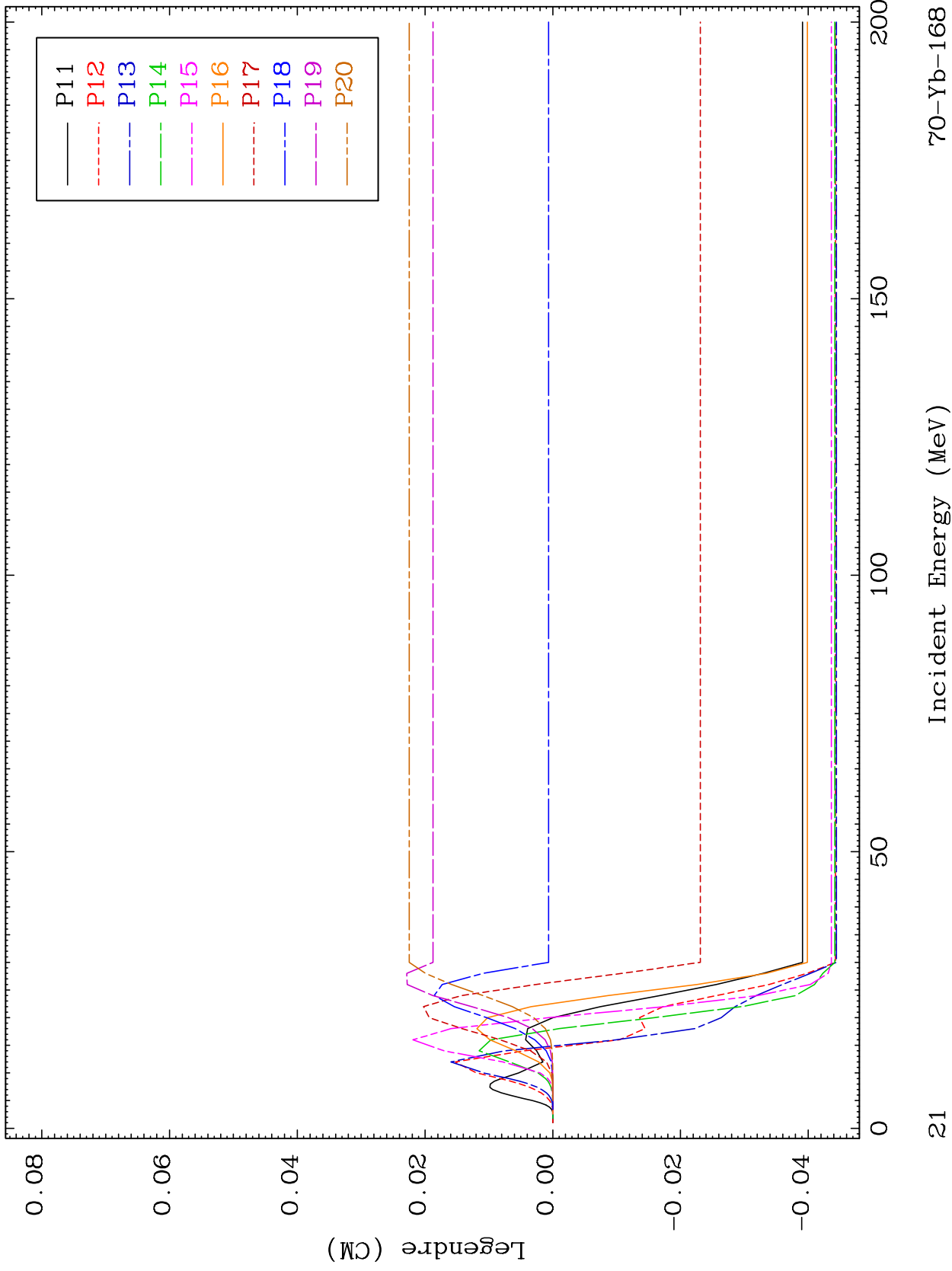




MAT 7025

87.73 keV (n,n') Level
Legendre Coefficients

70-Yb-168



21

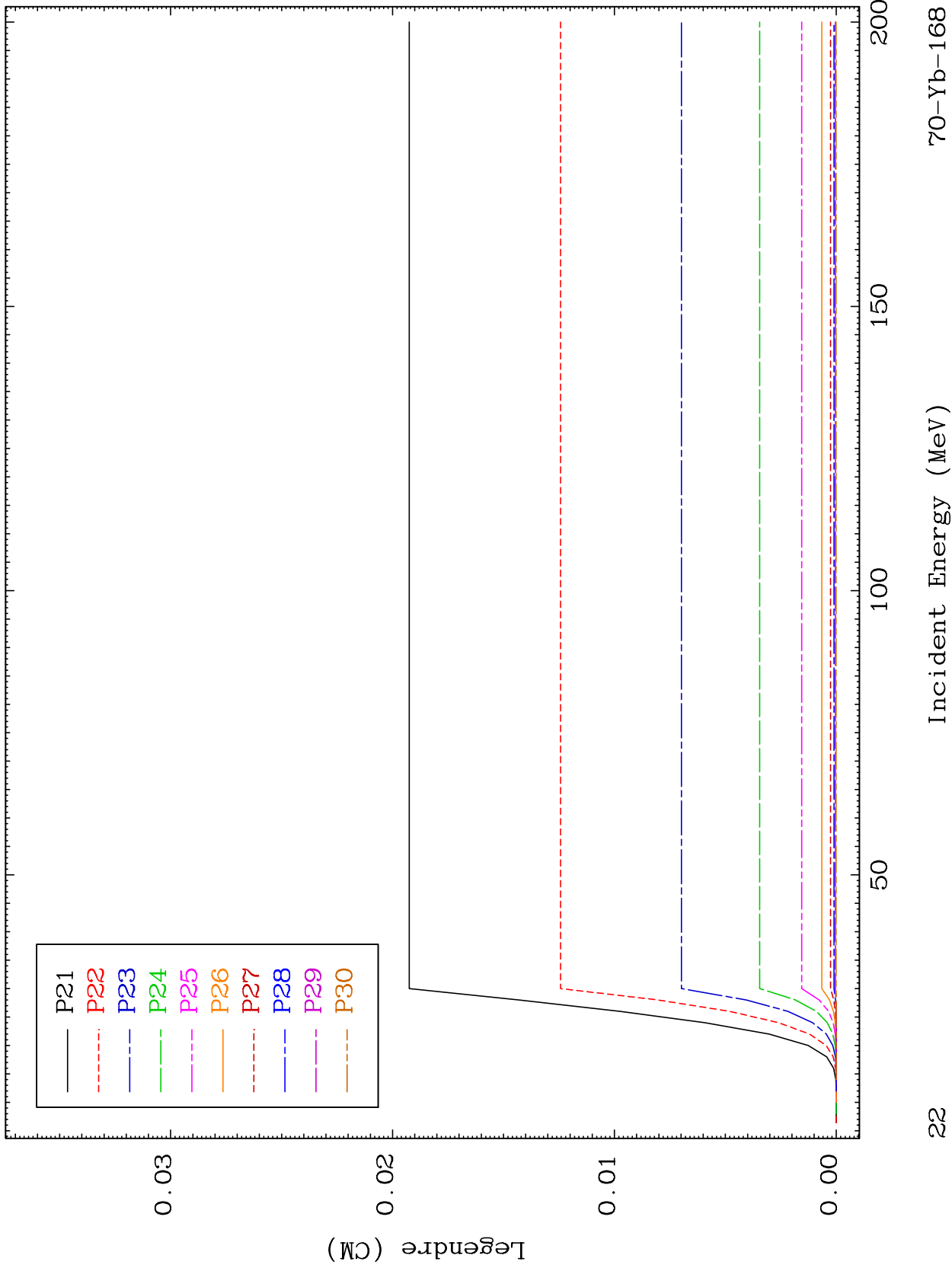
Incident Energy (MeV)

70-Yb-168

MAT 7025

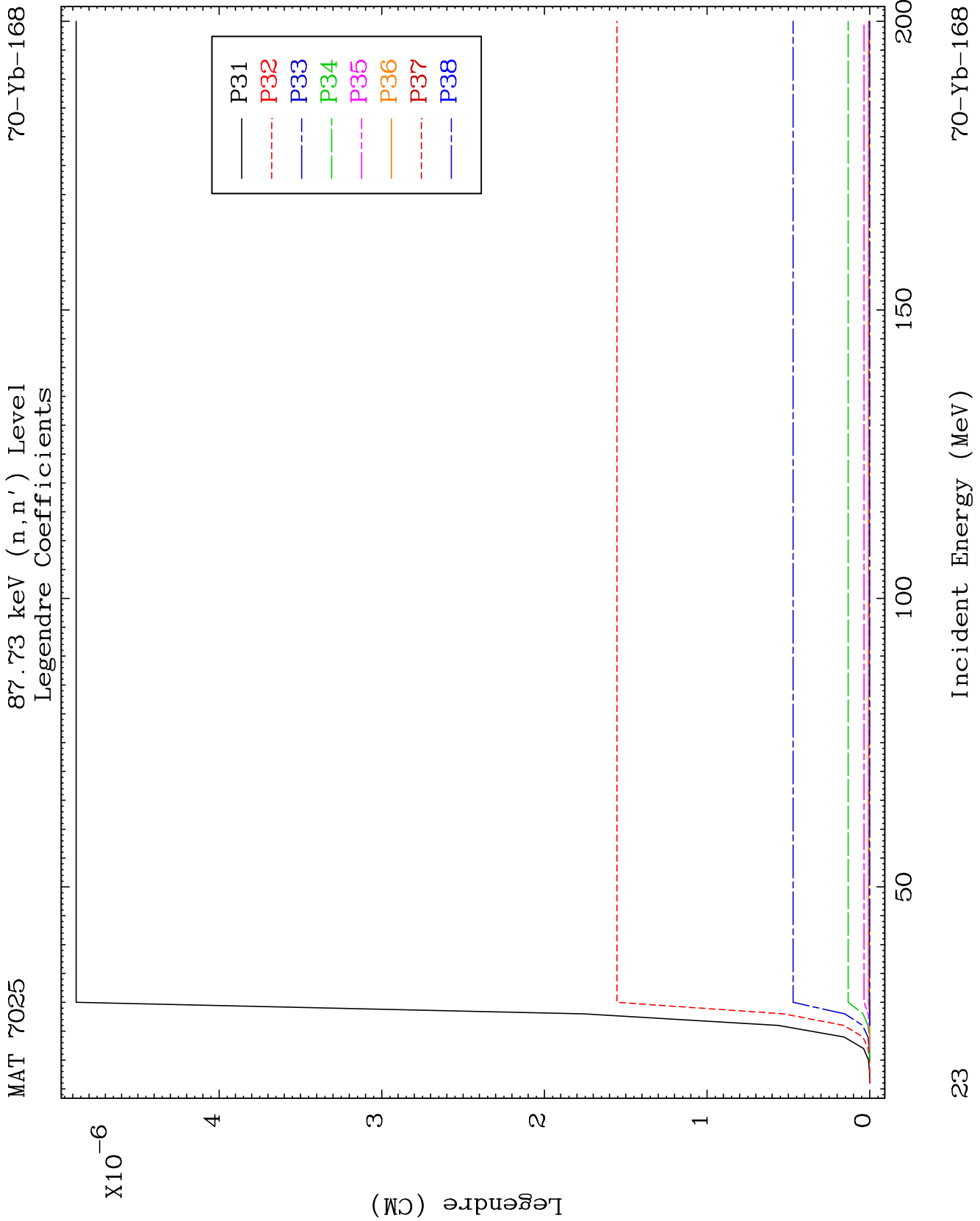
87.73 keV (n, n') Level
Legendre Coefficients

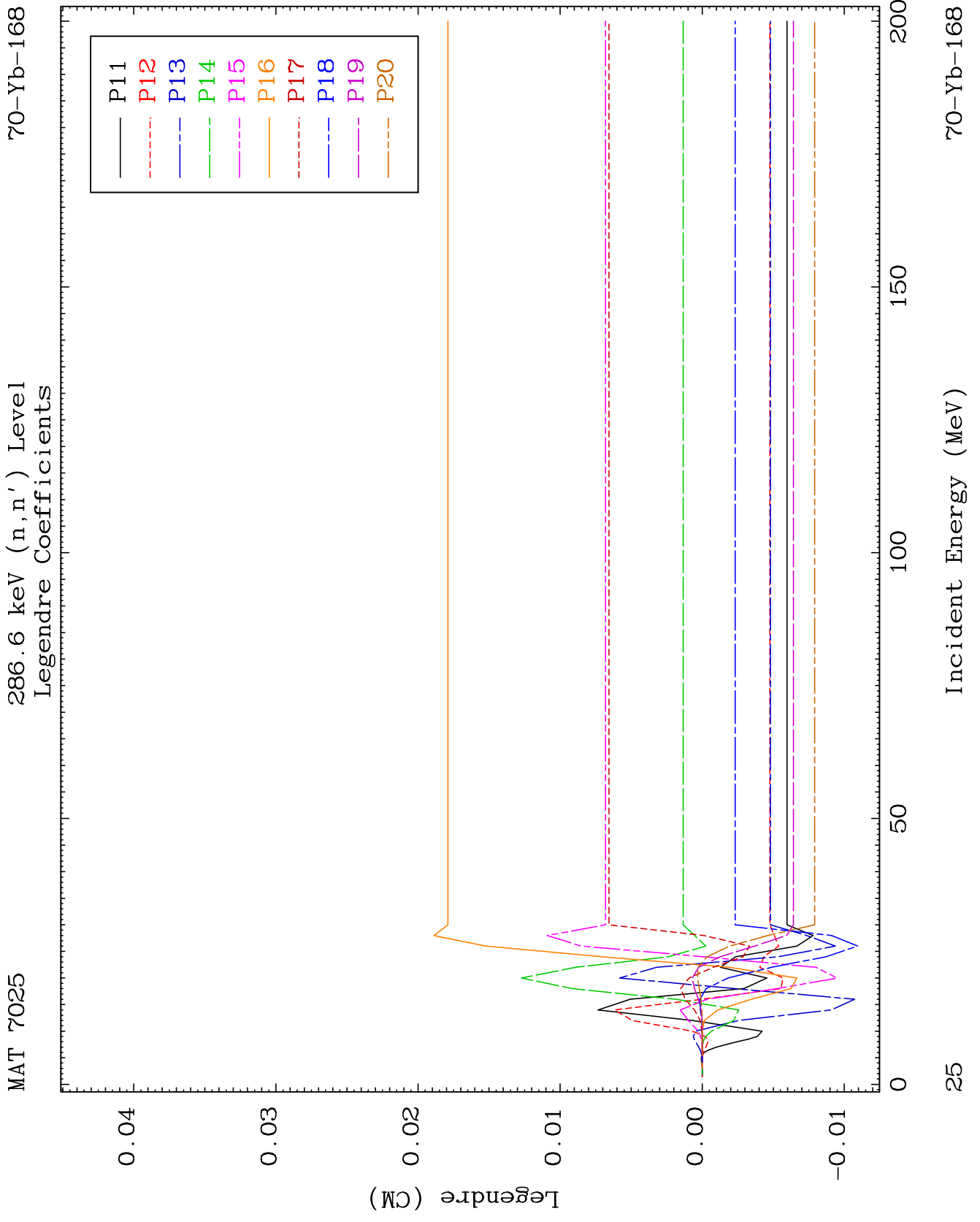
70-Yb-168

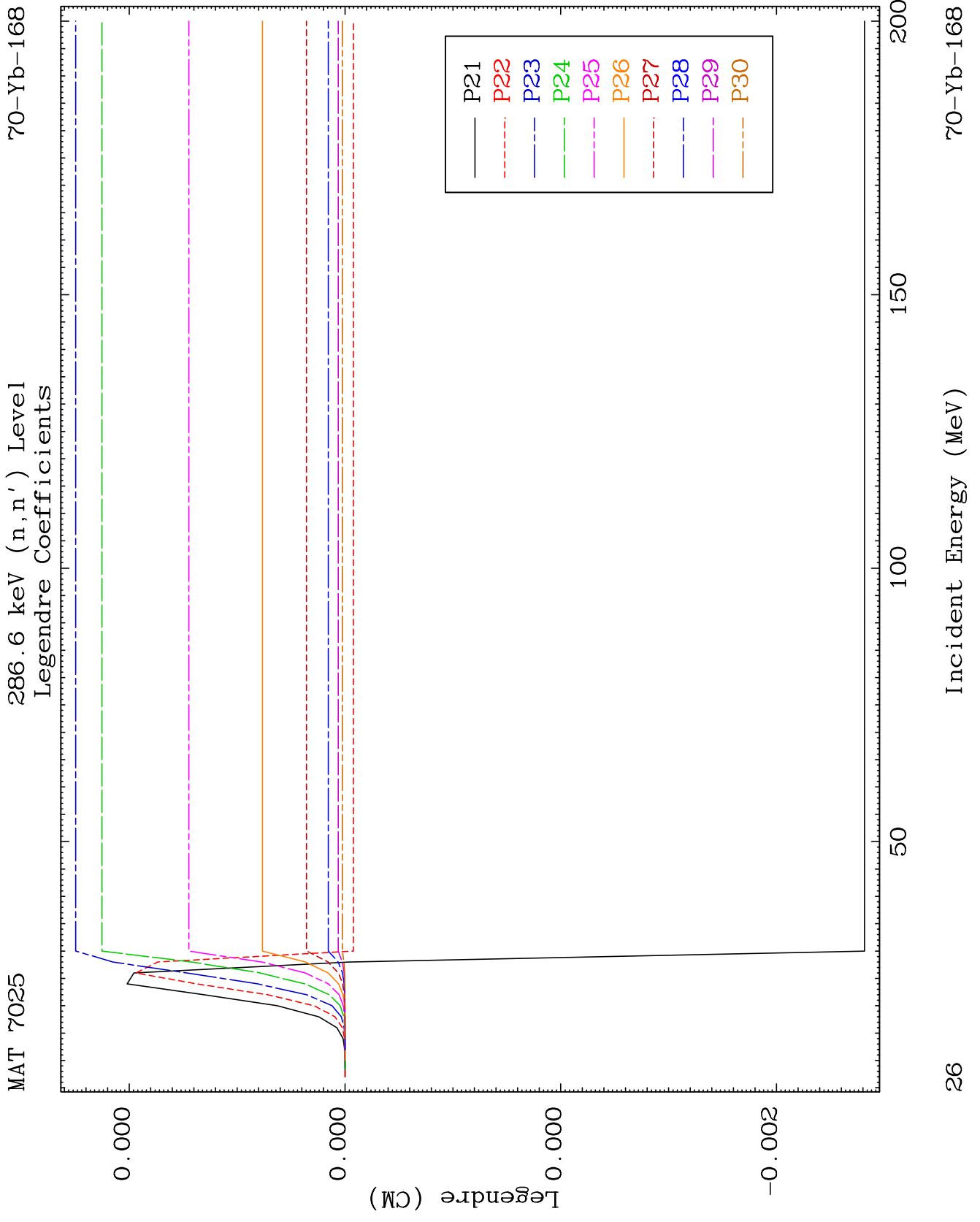


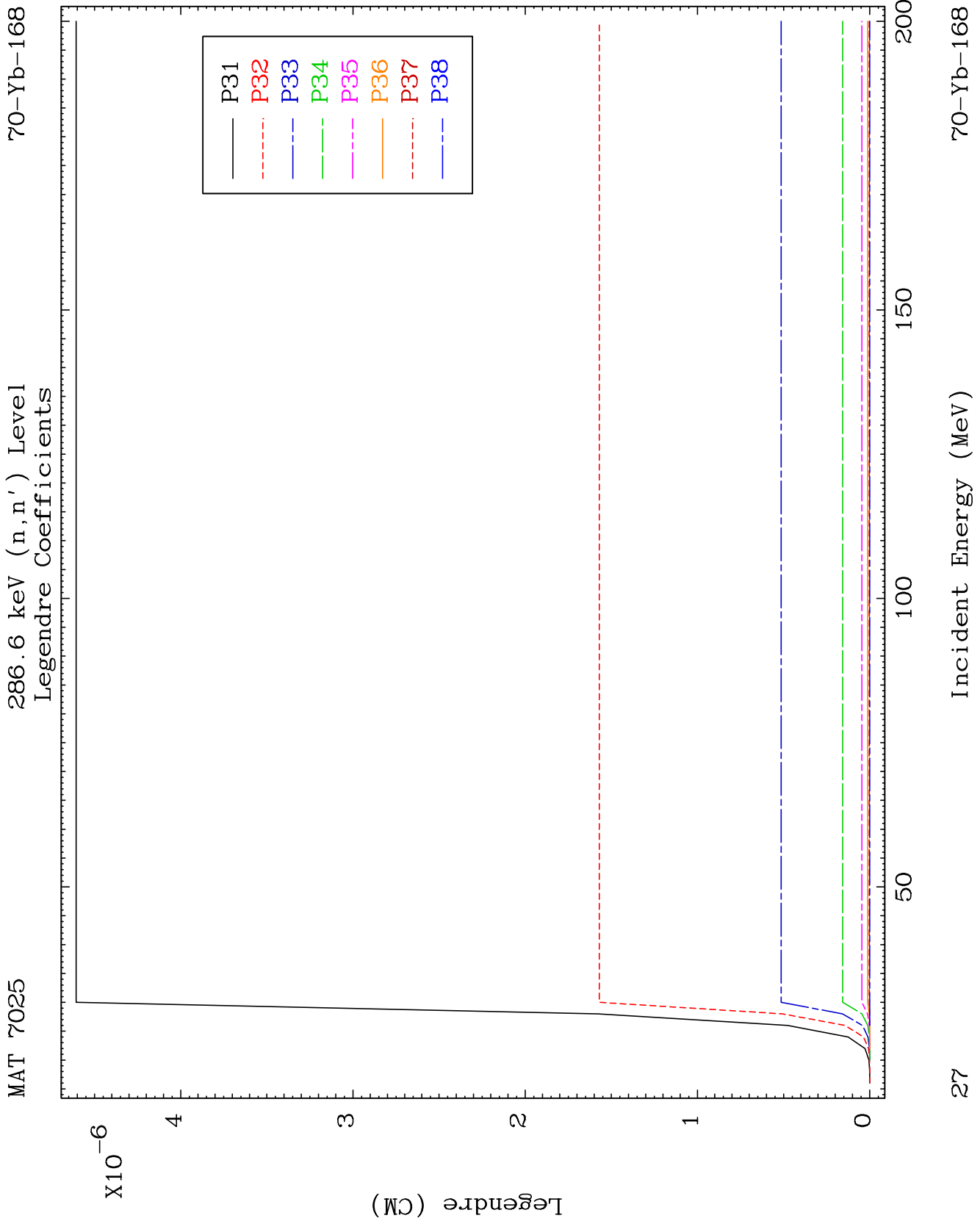
22

70-Yb-168





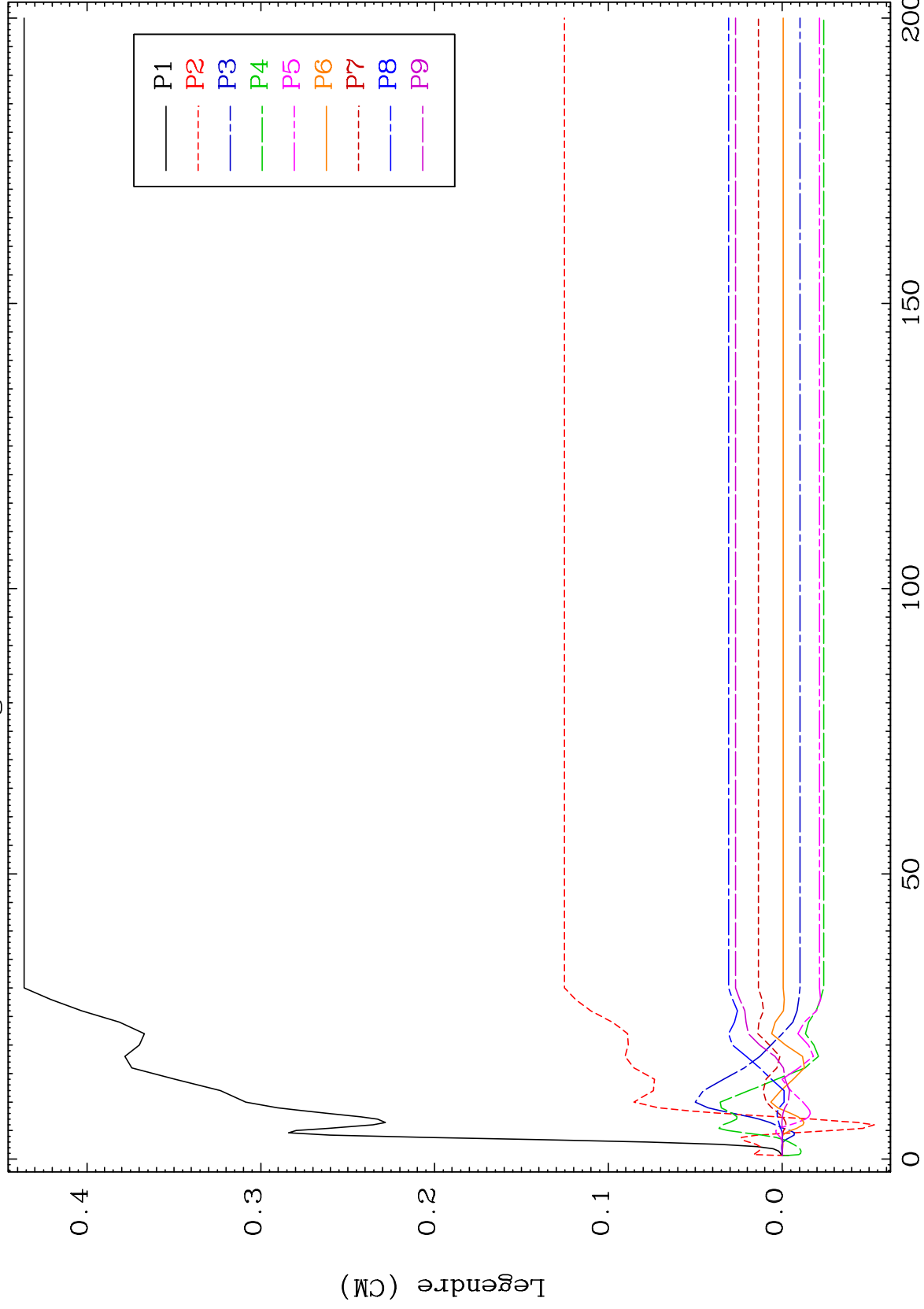




MAT 7025

585.2 keV (n,n') Level
Legendre Coefficients

70-Yb-168



28

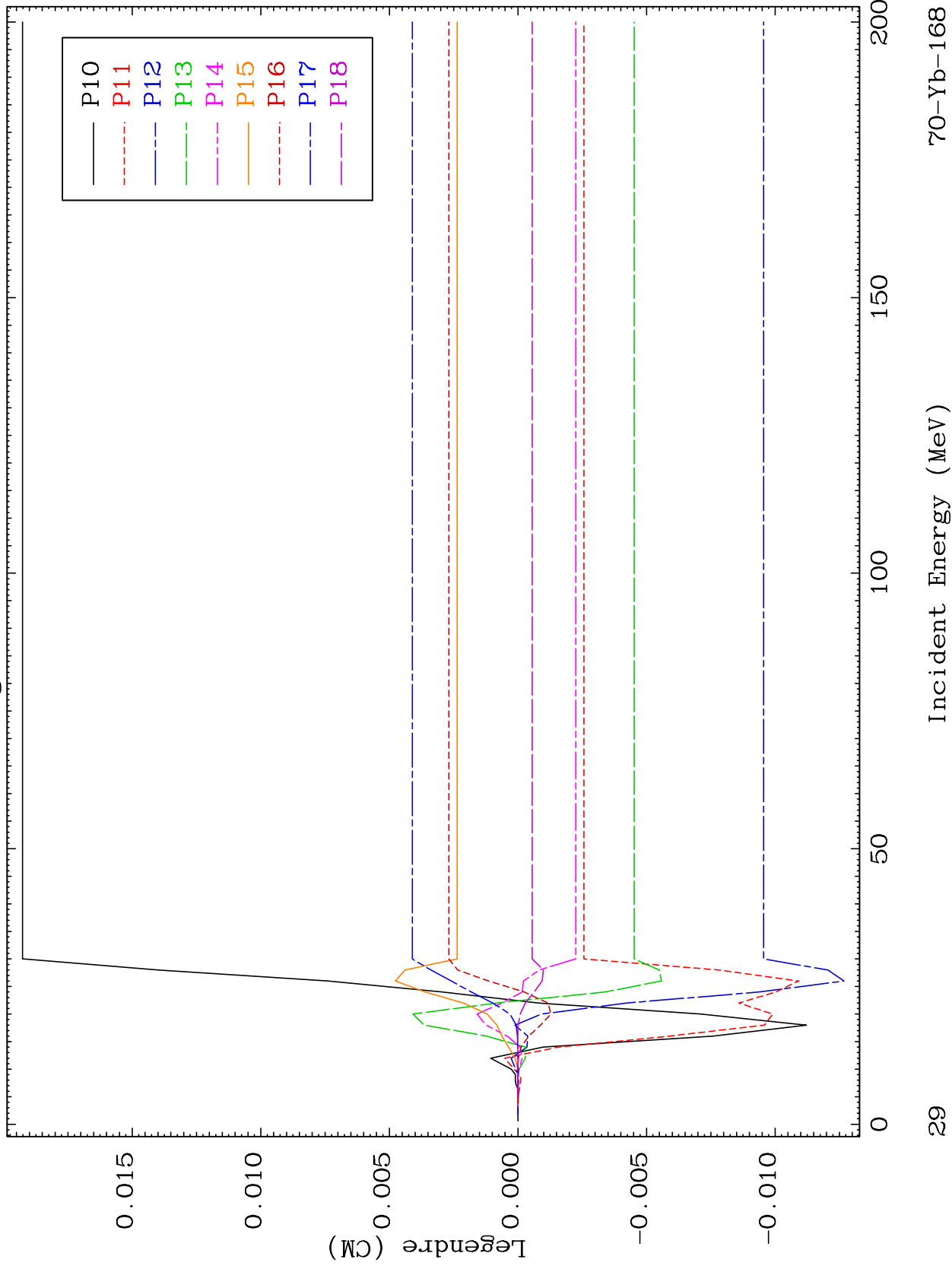
Incident Energy (MeV)

70-Yb-168

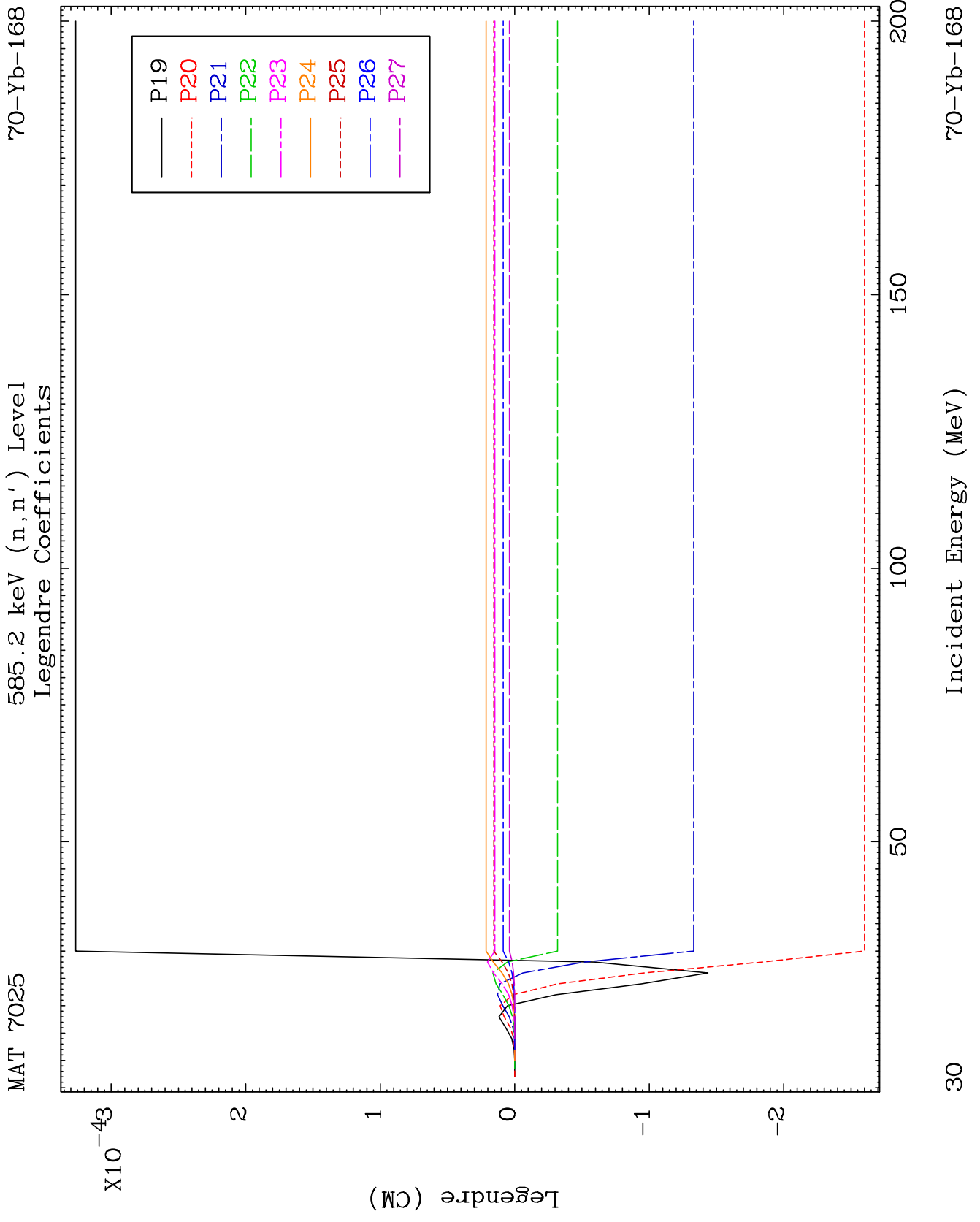
MAT 7025

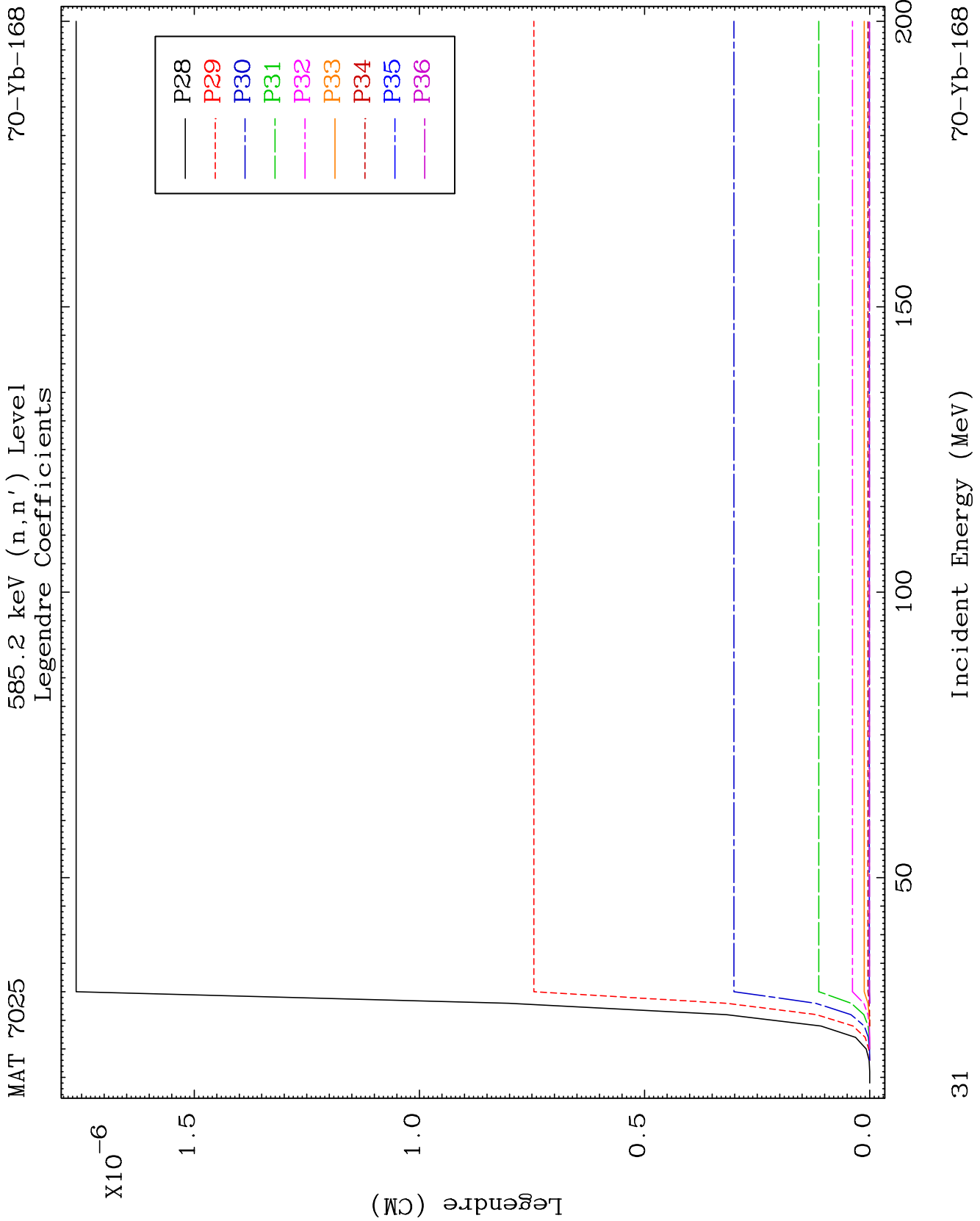
585.2 keV (n, n') Level
Legendre Coefficients

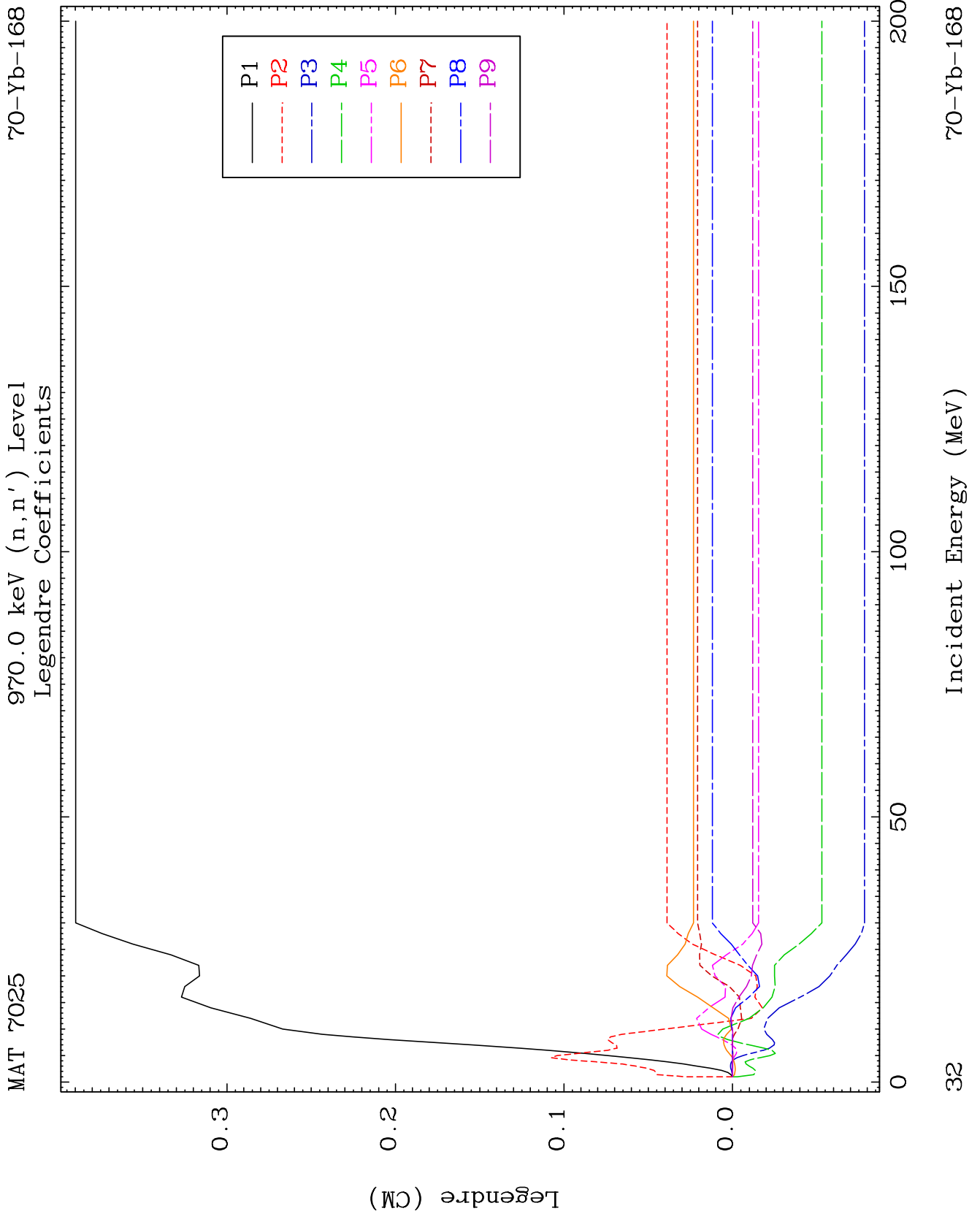
70-Yb-168

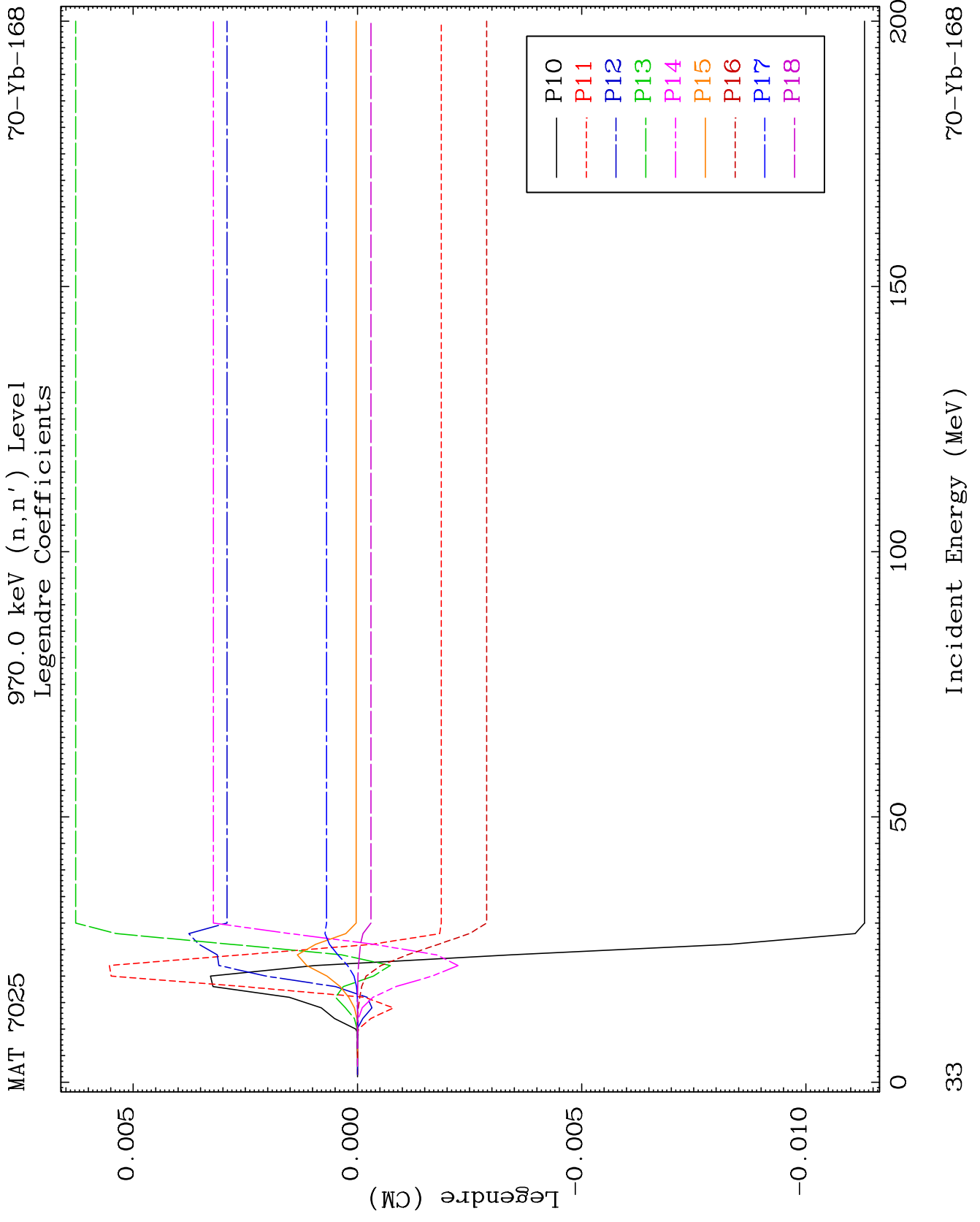


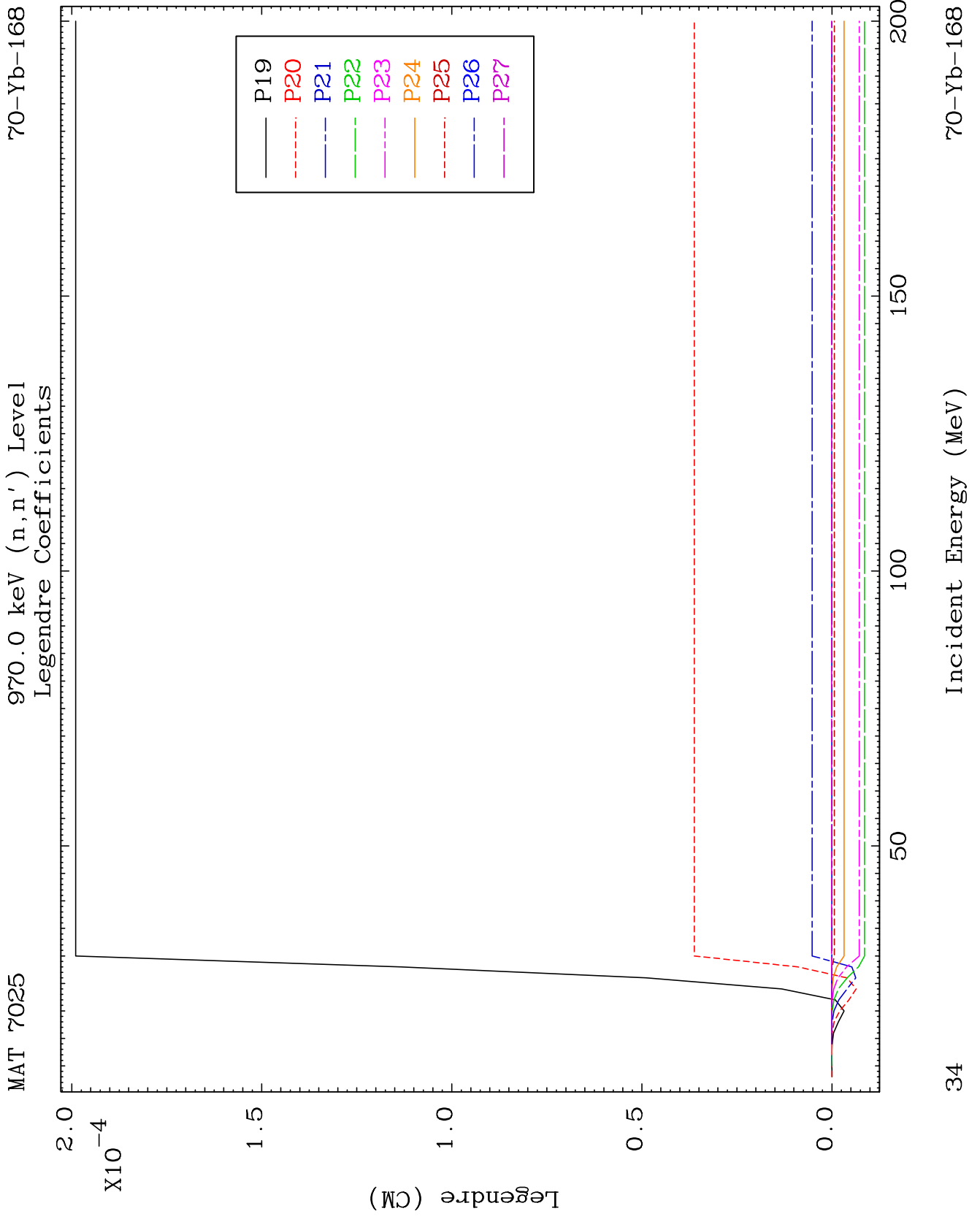
29







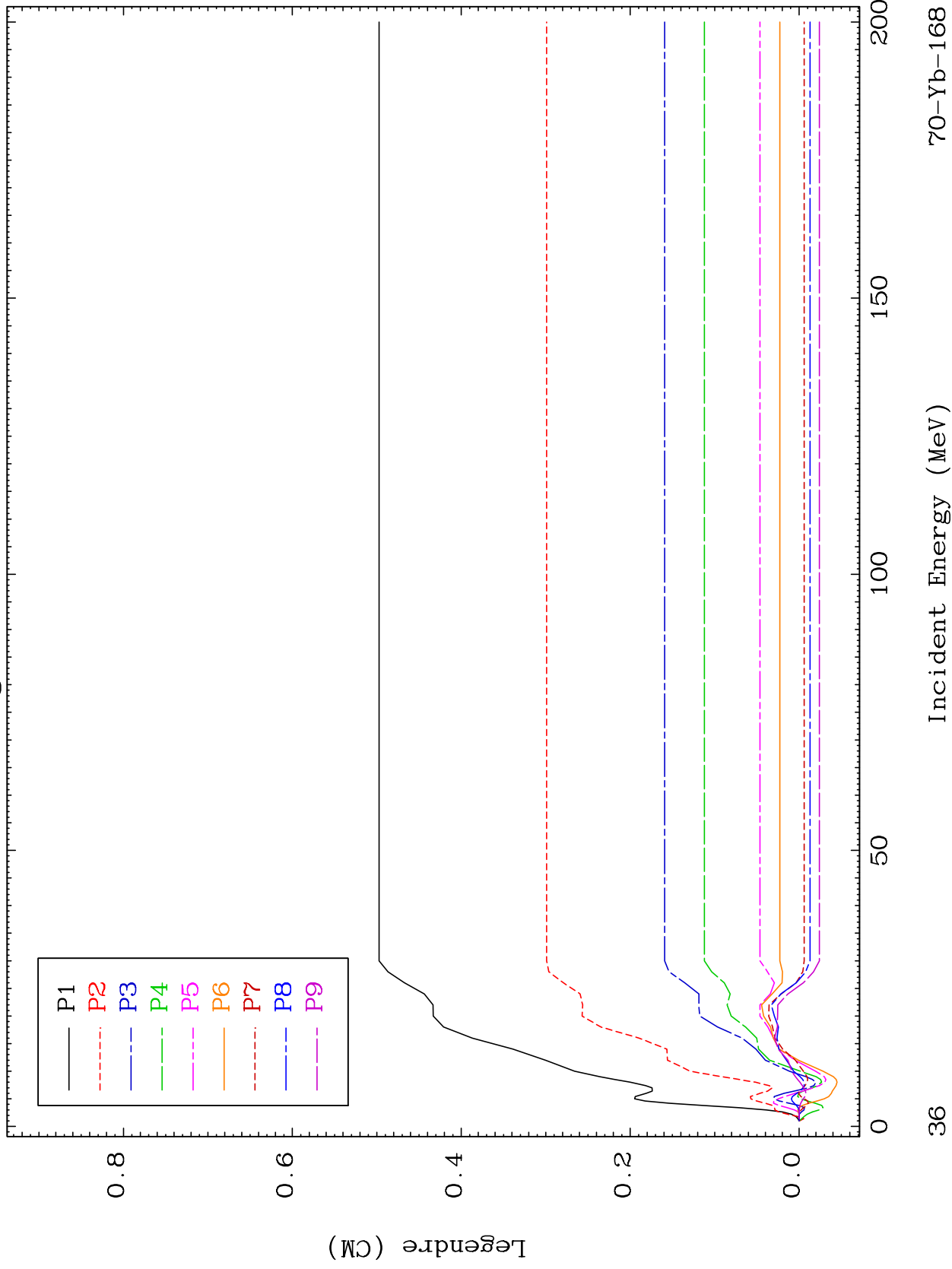




MAT 7025

984.0 keV (n,n') Level
Legendre Coefficients

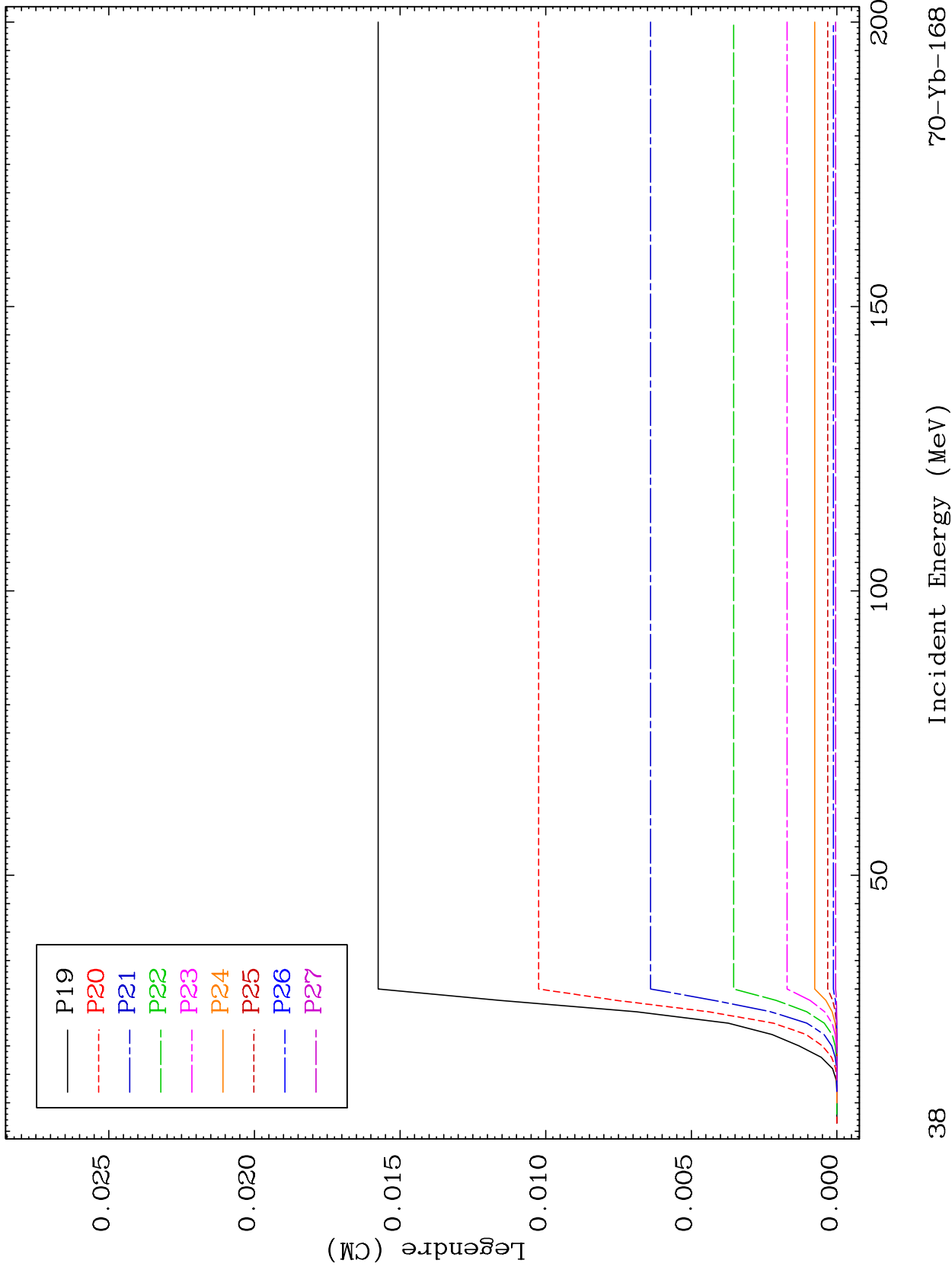
70-Yb-168

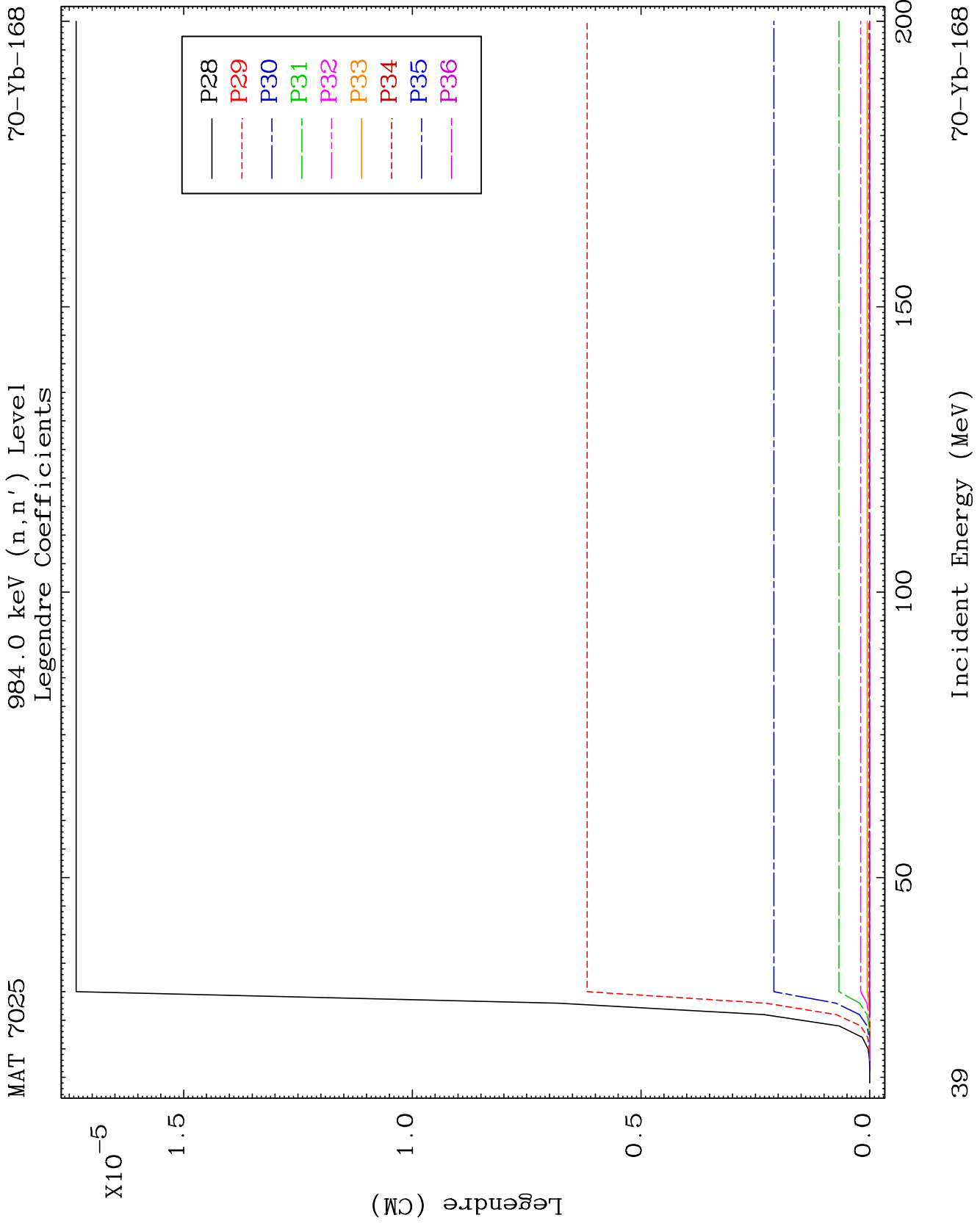


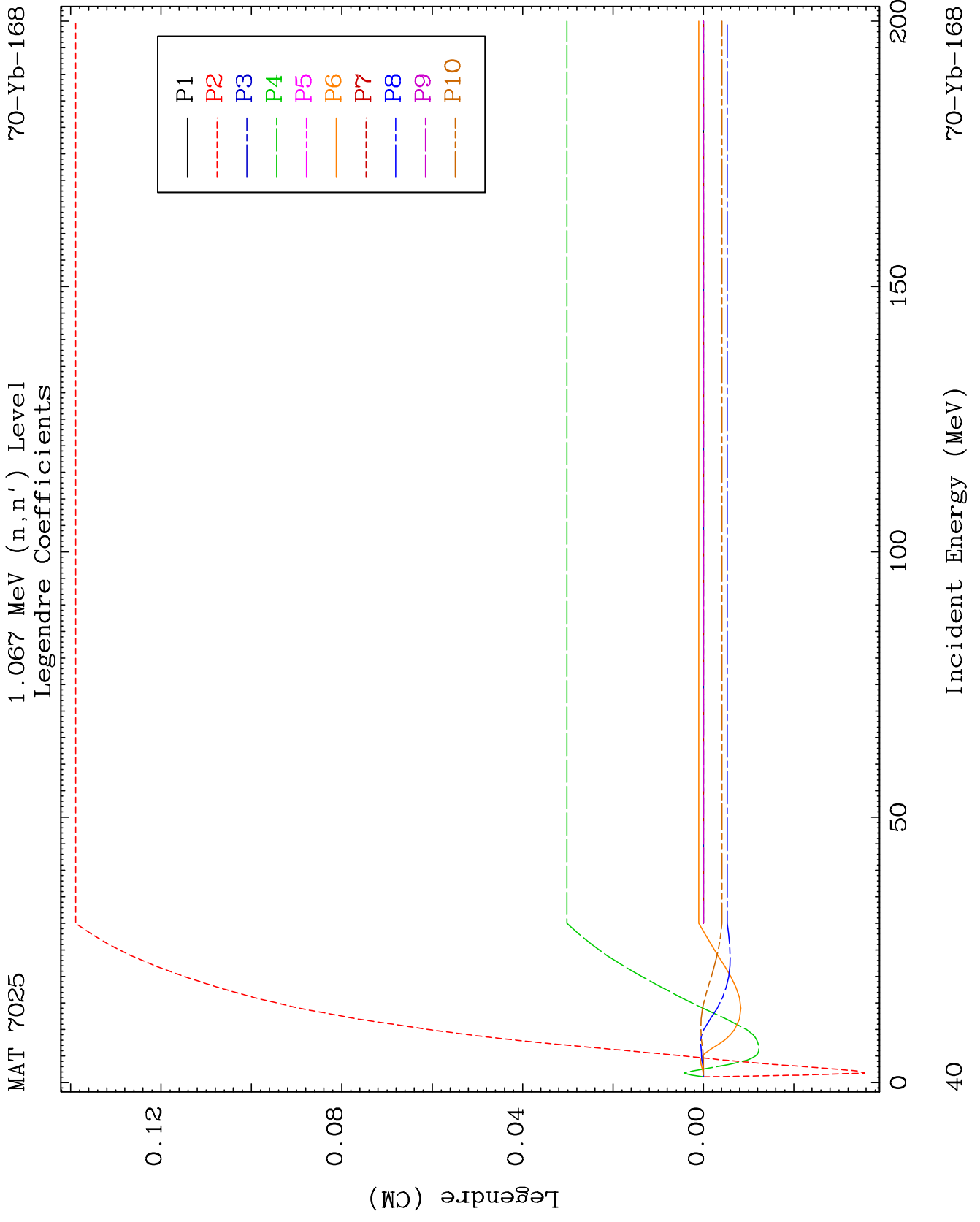
36

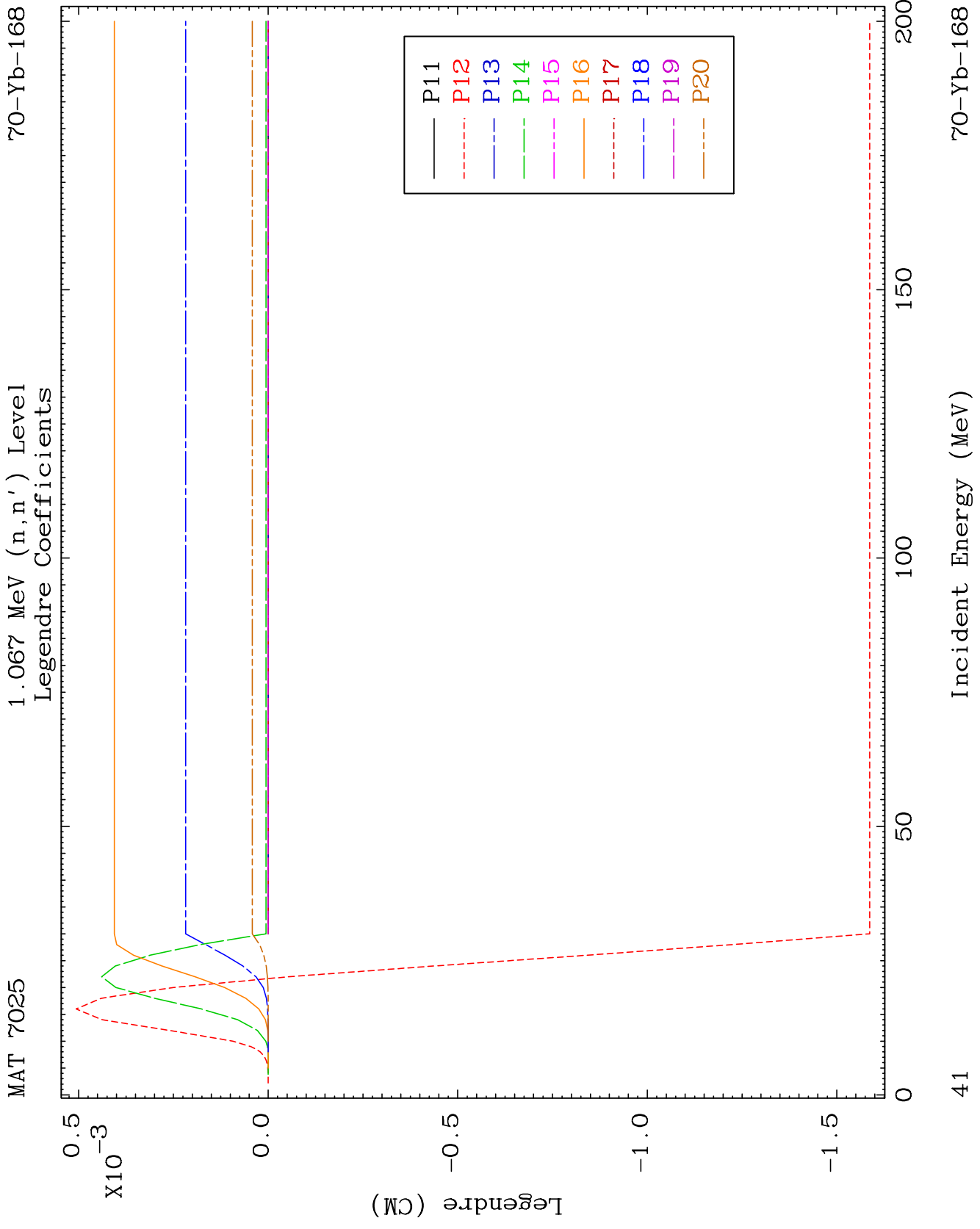
Incident Energy (MeV)

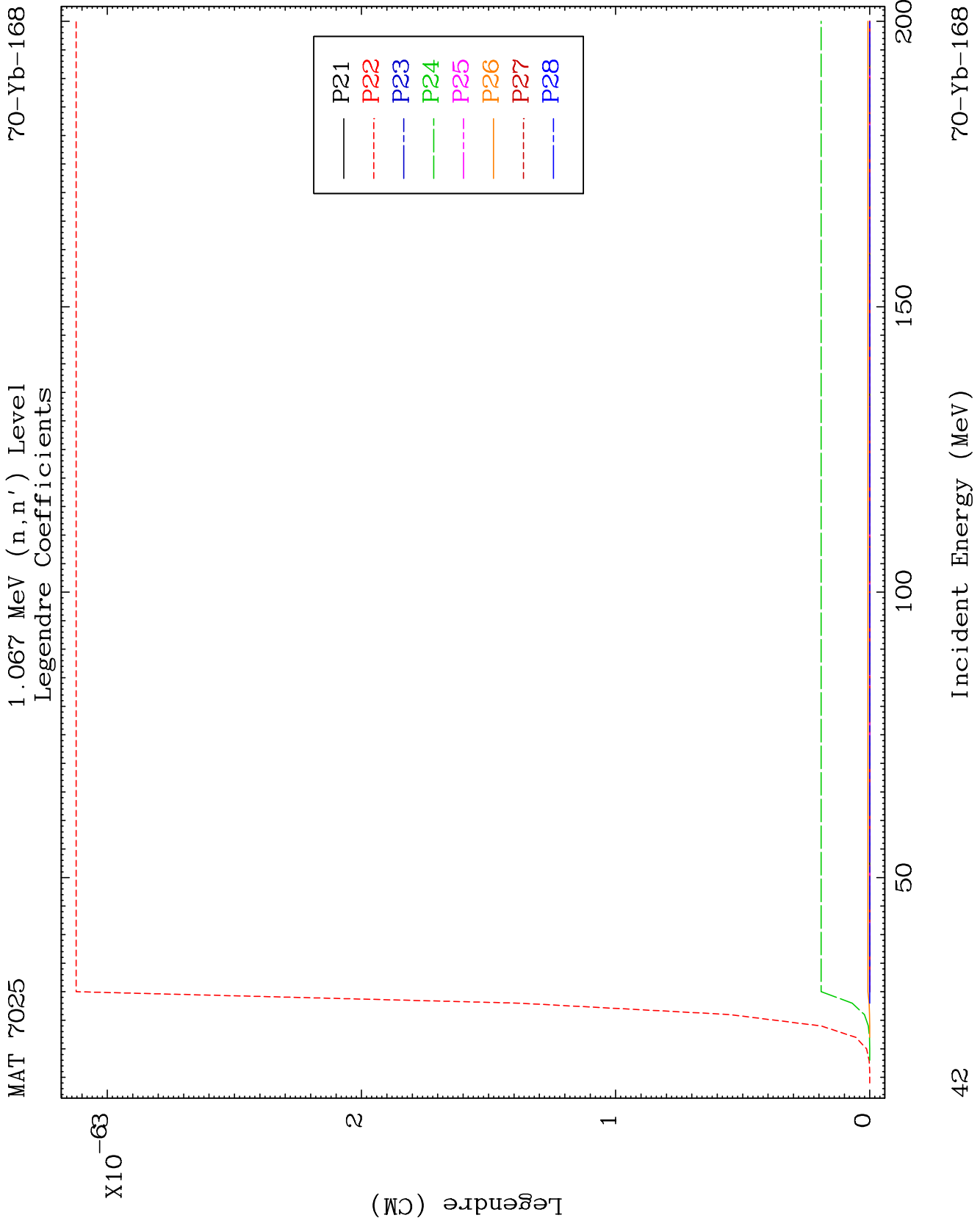
70-Yb-168

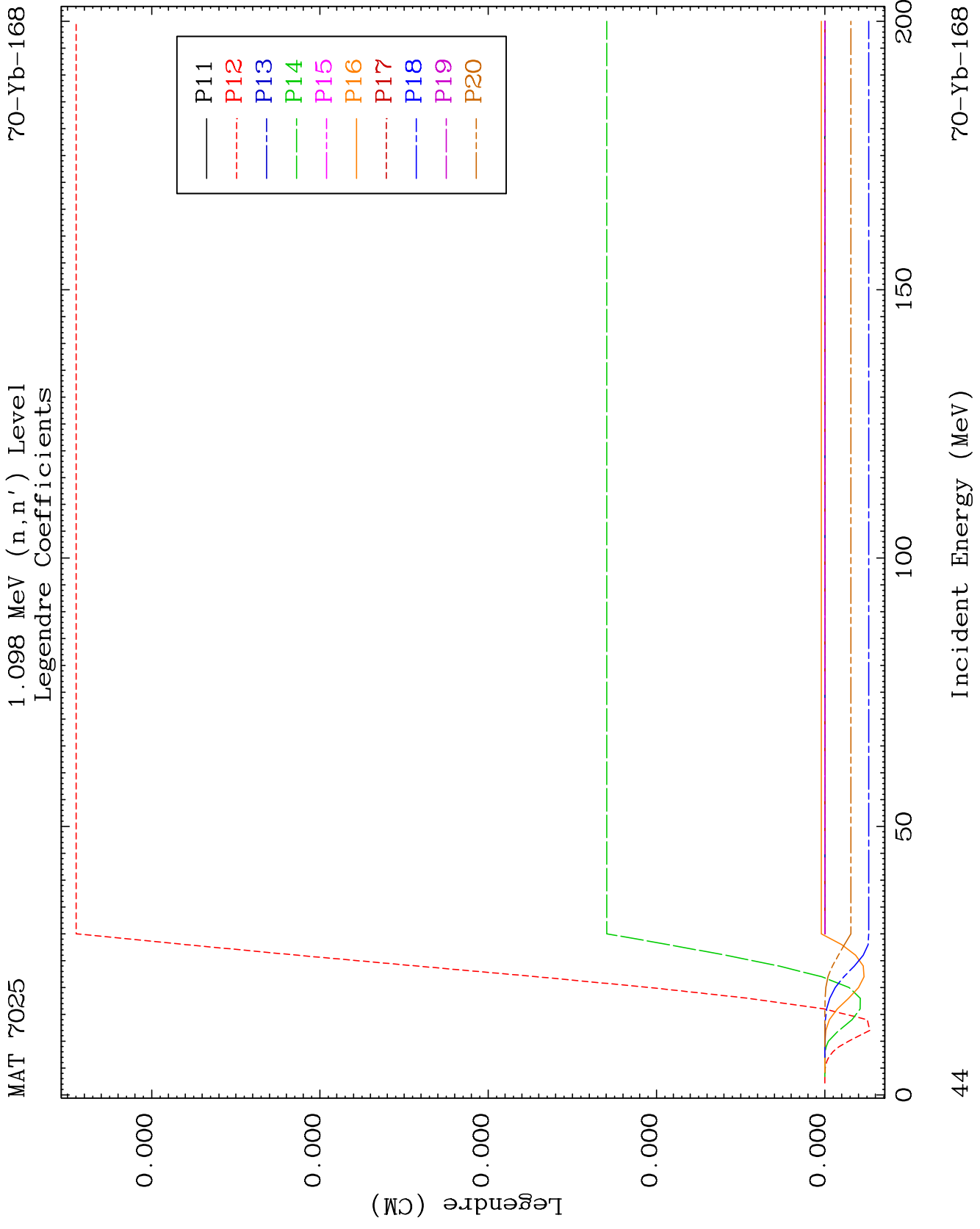


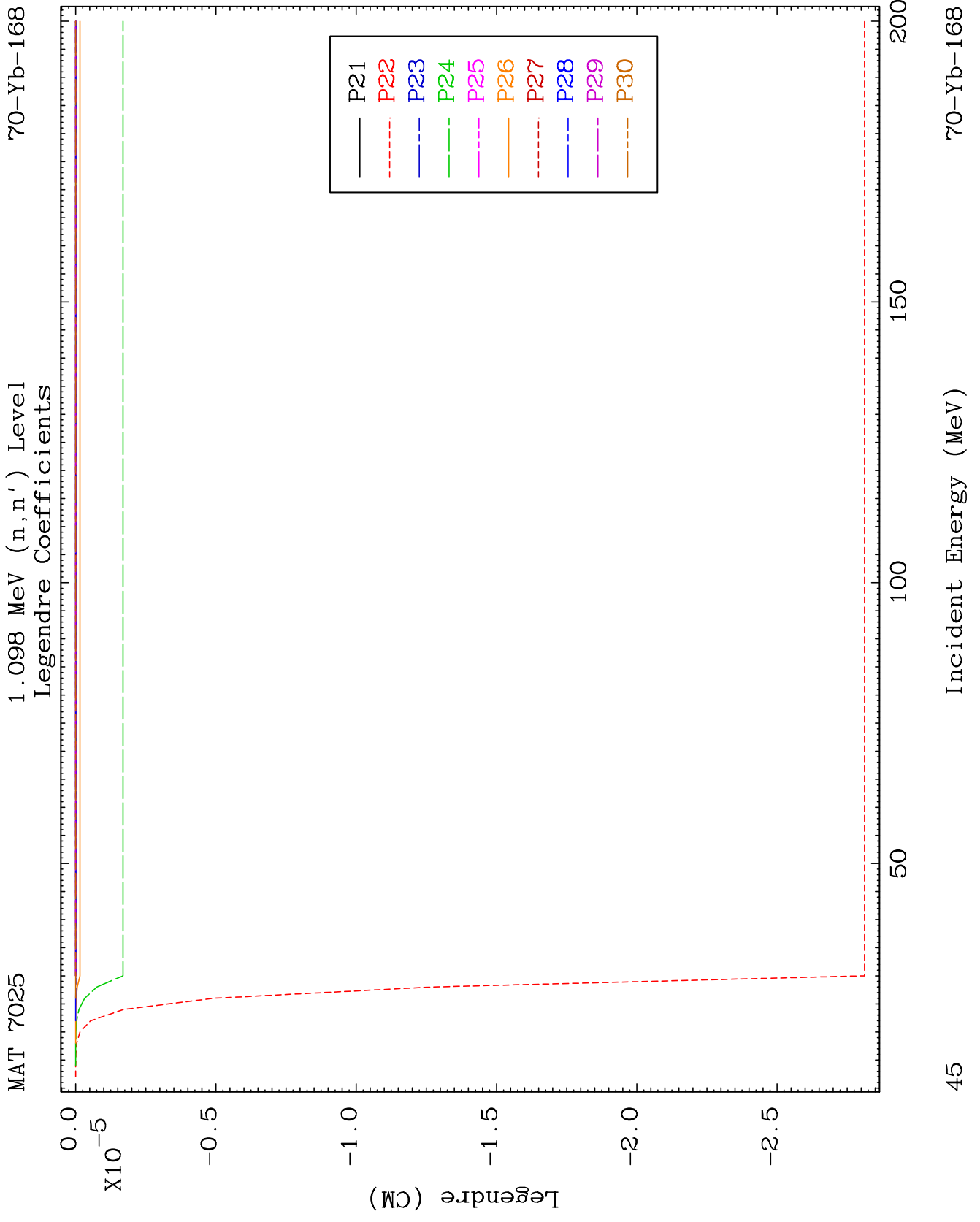


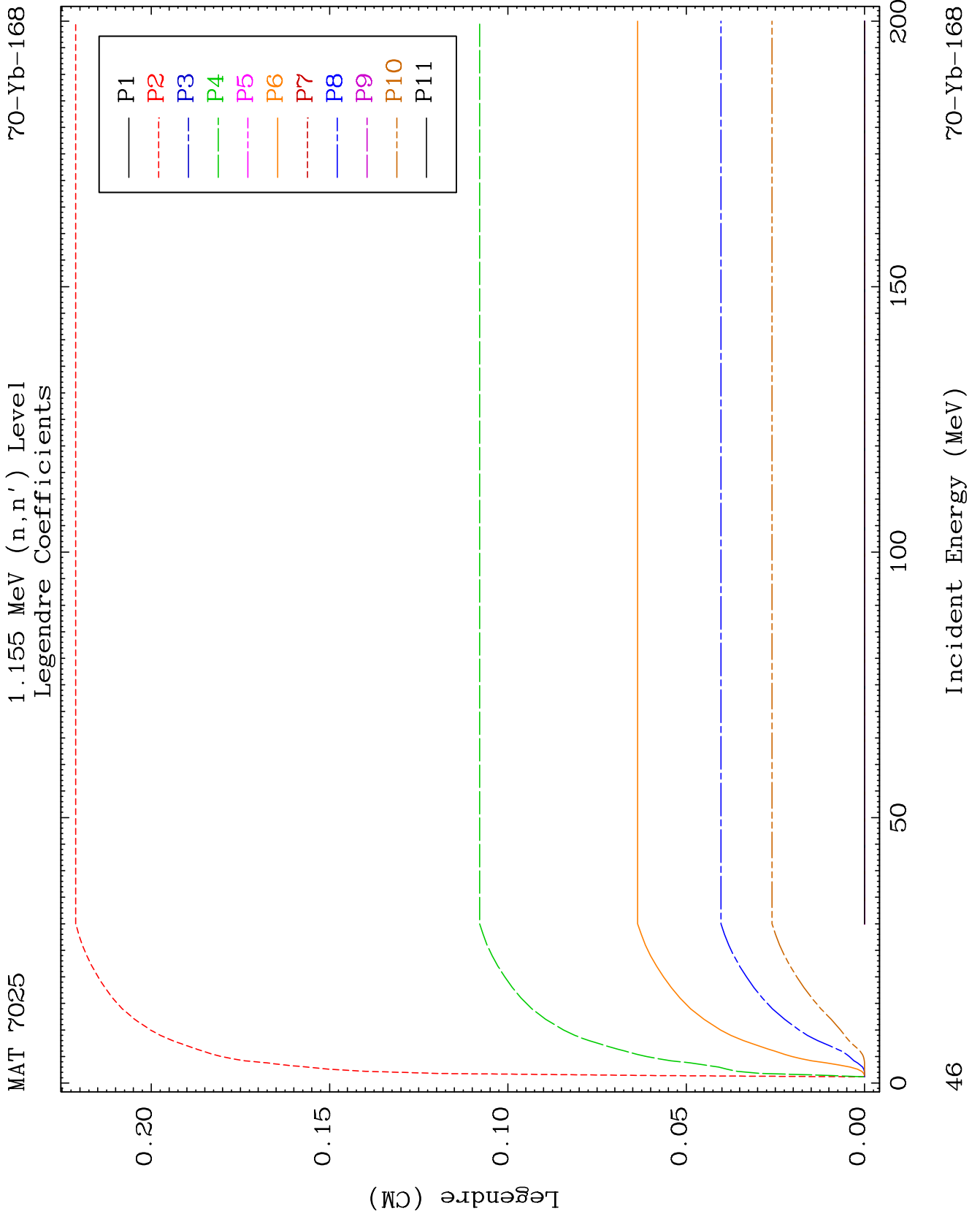








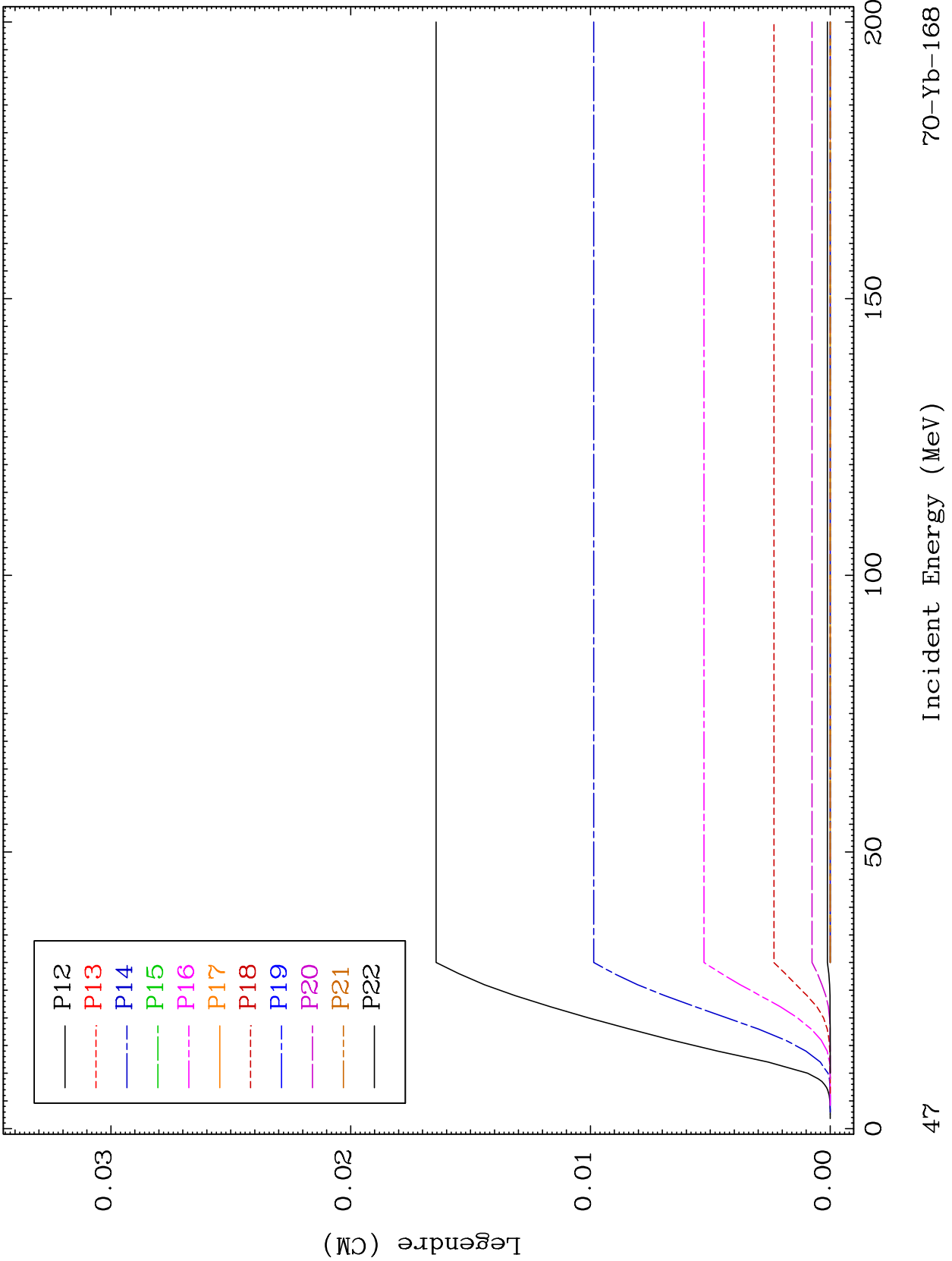




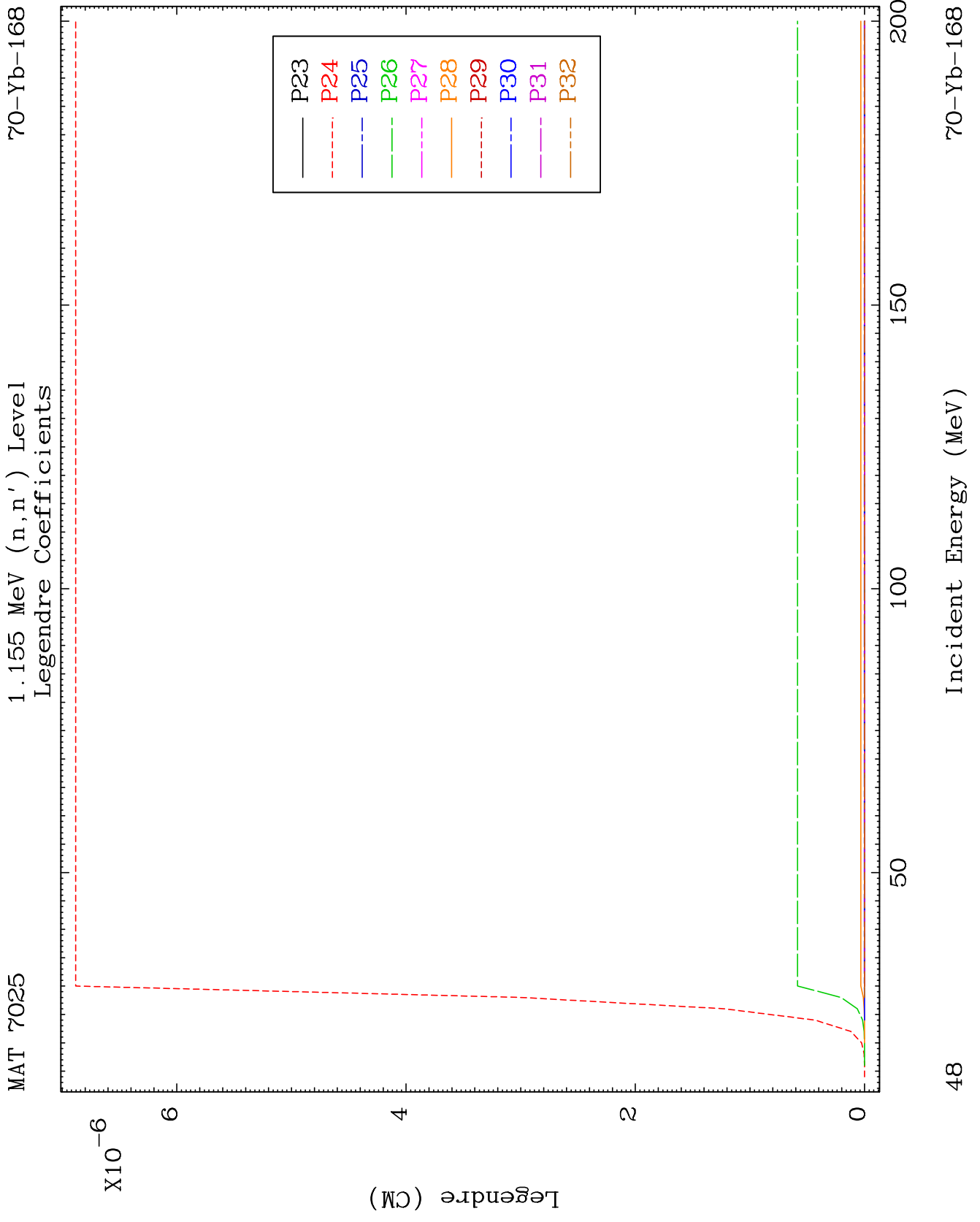
MAT 7025

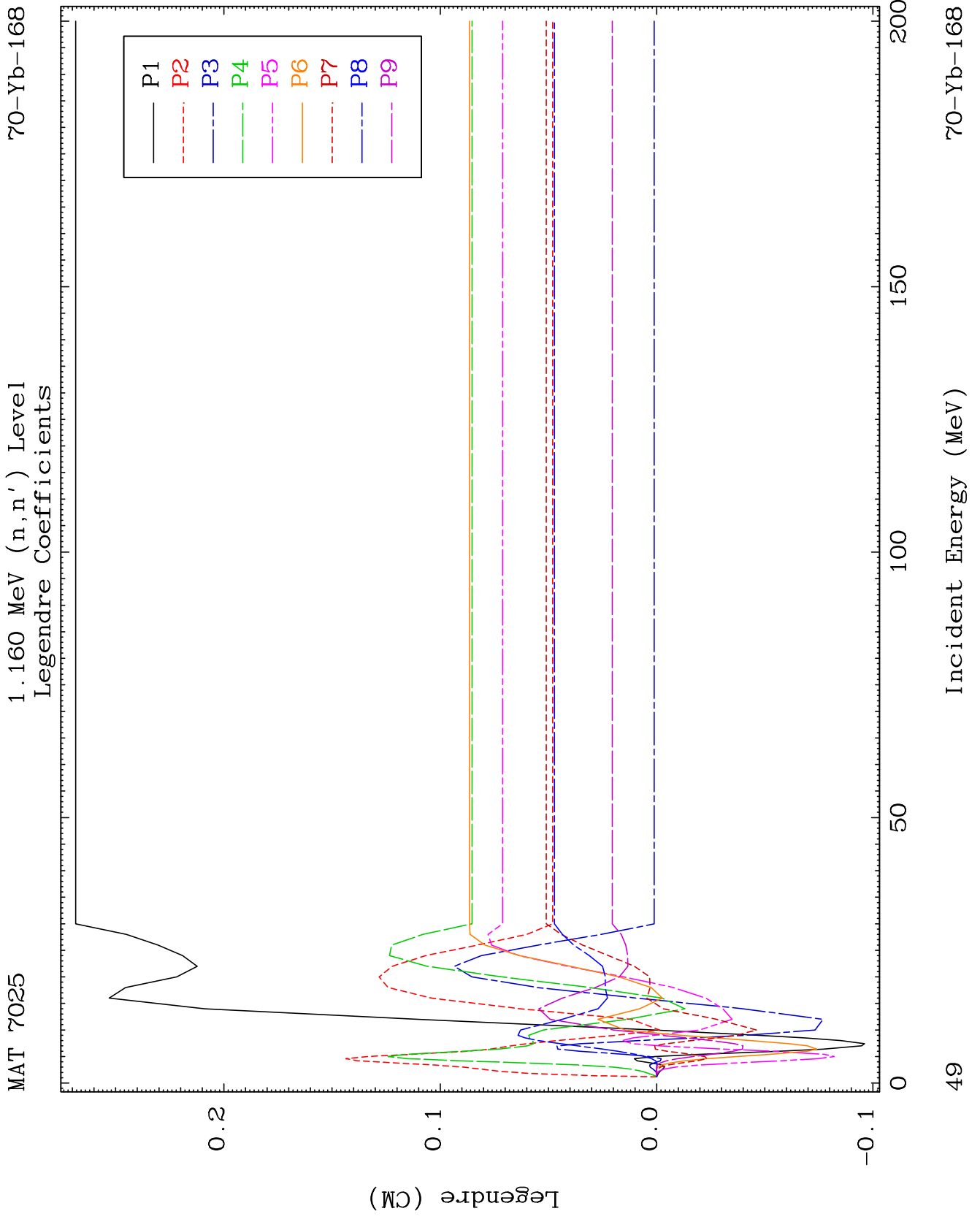
1.155 MeV (n,n') Level Legendre Coefficients

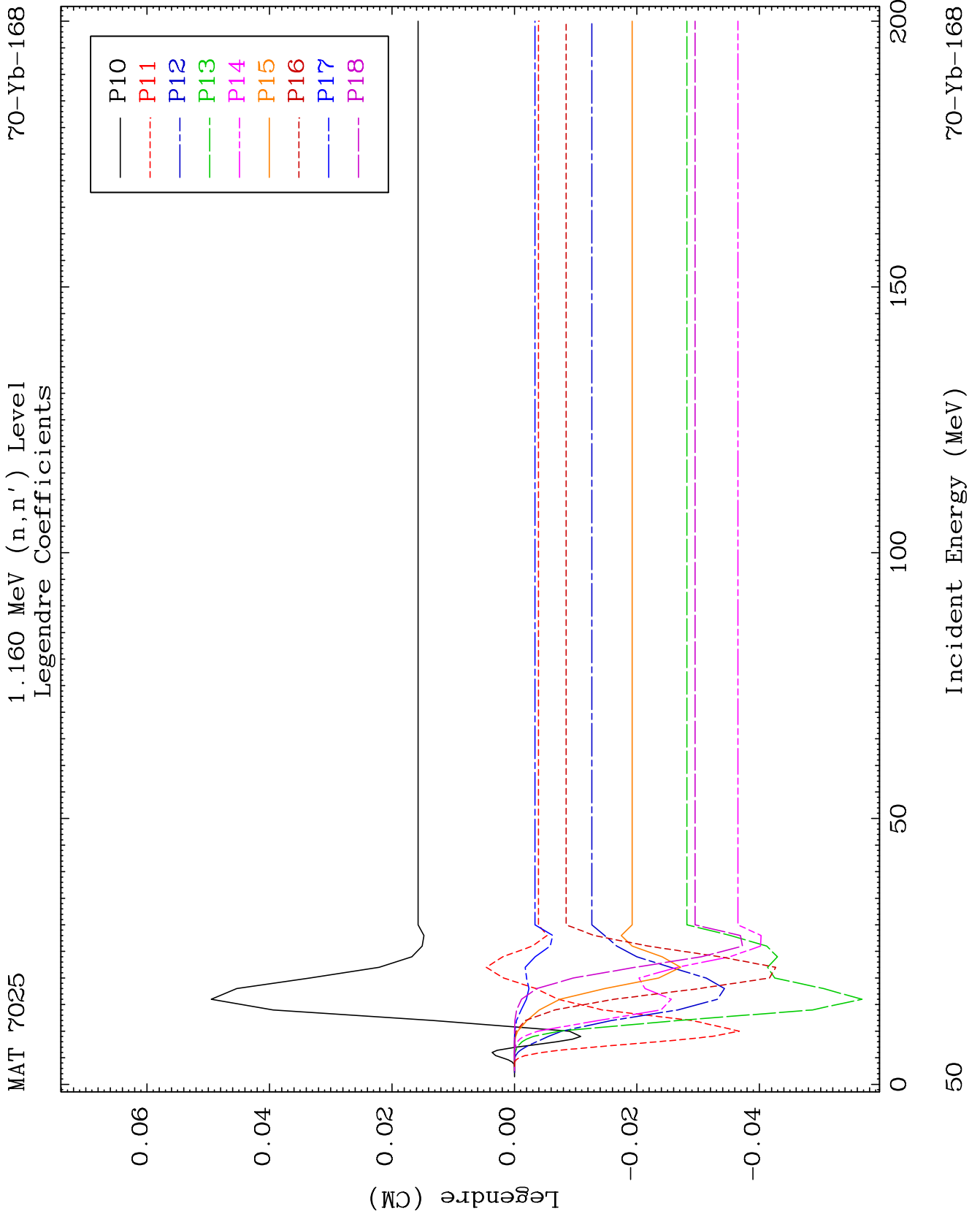
70-Yb-168

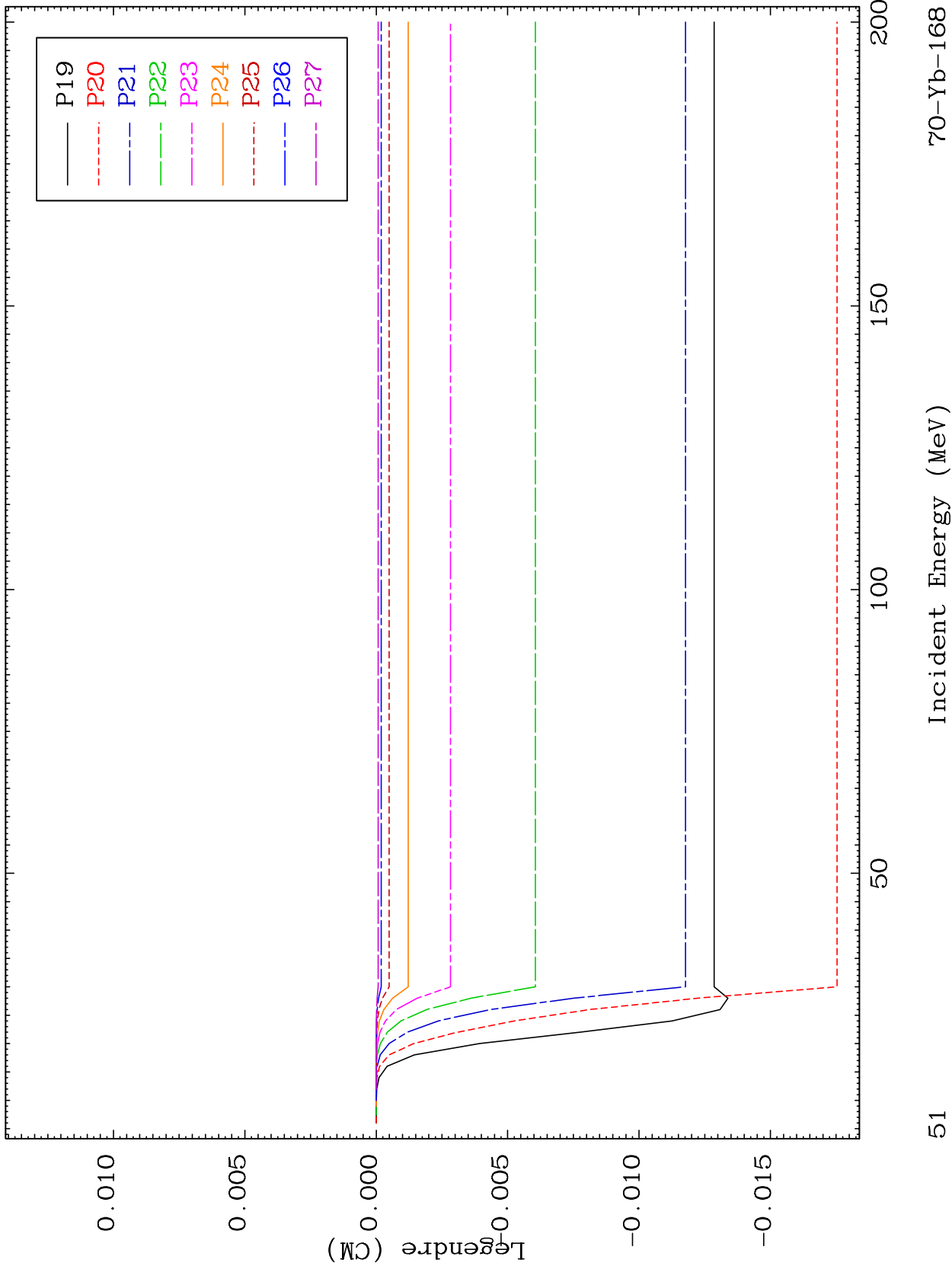


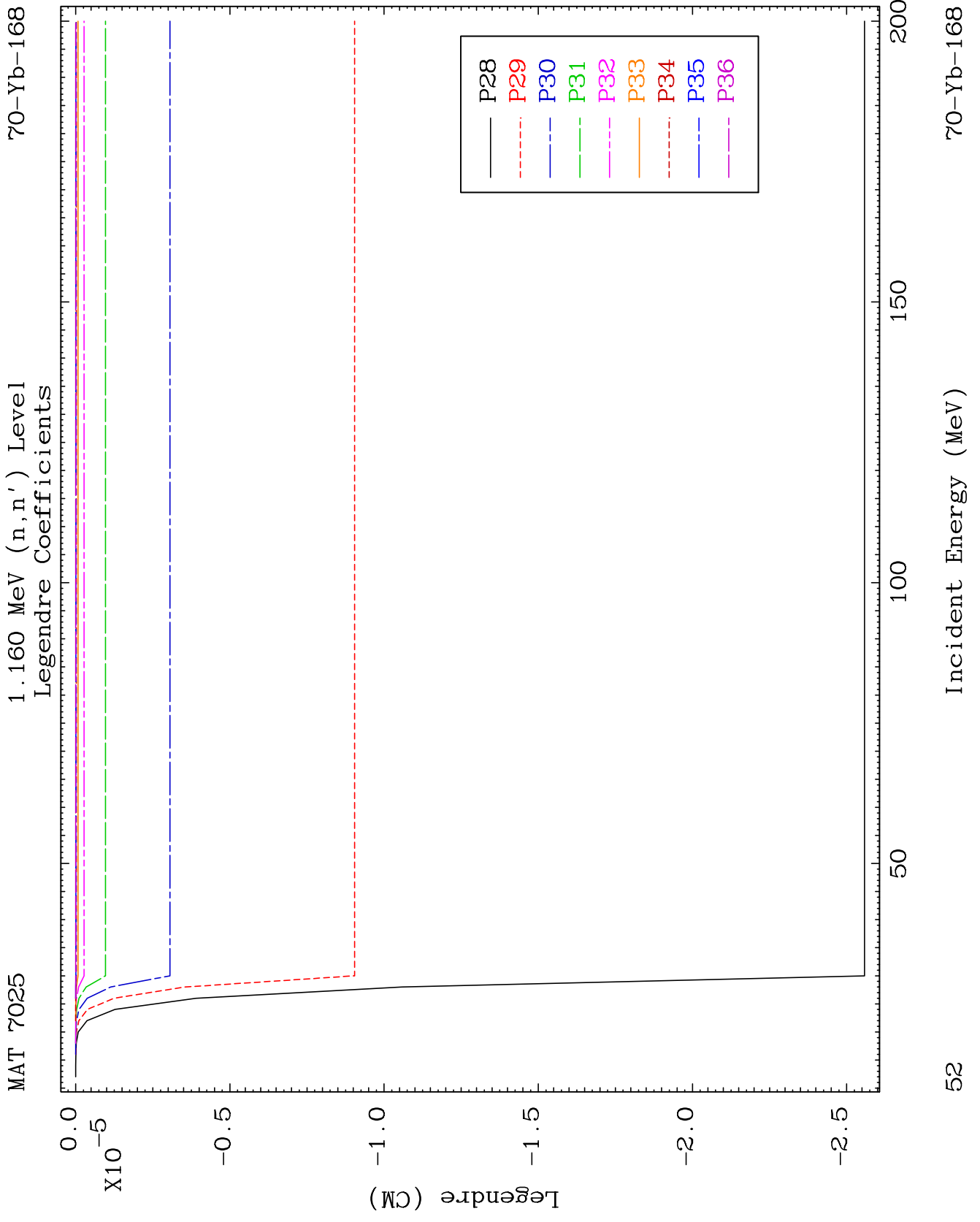
47







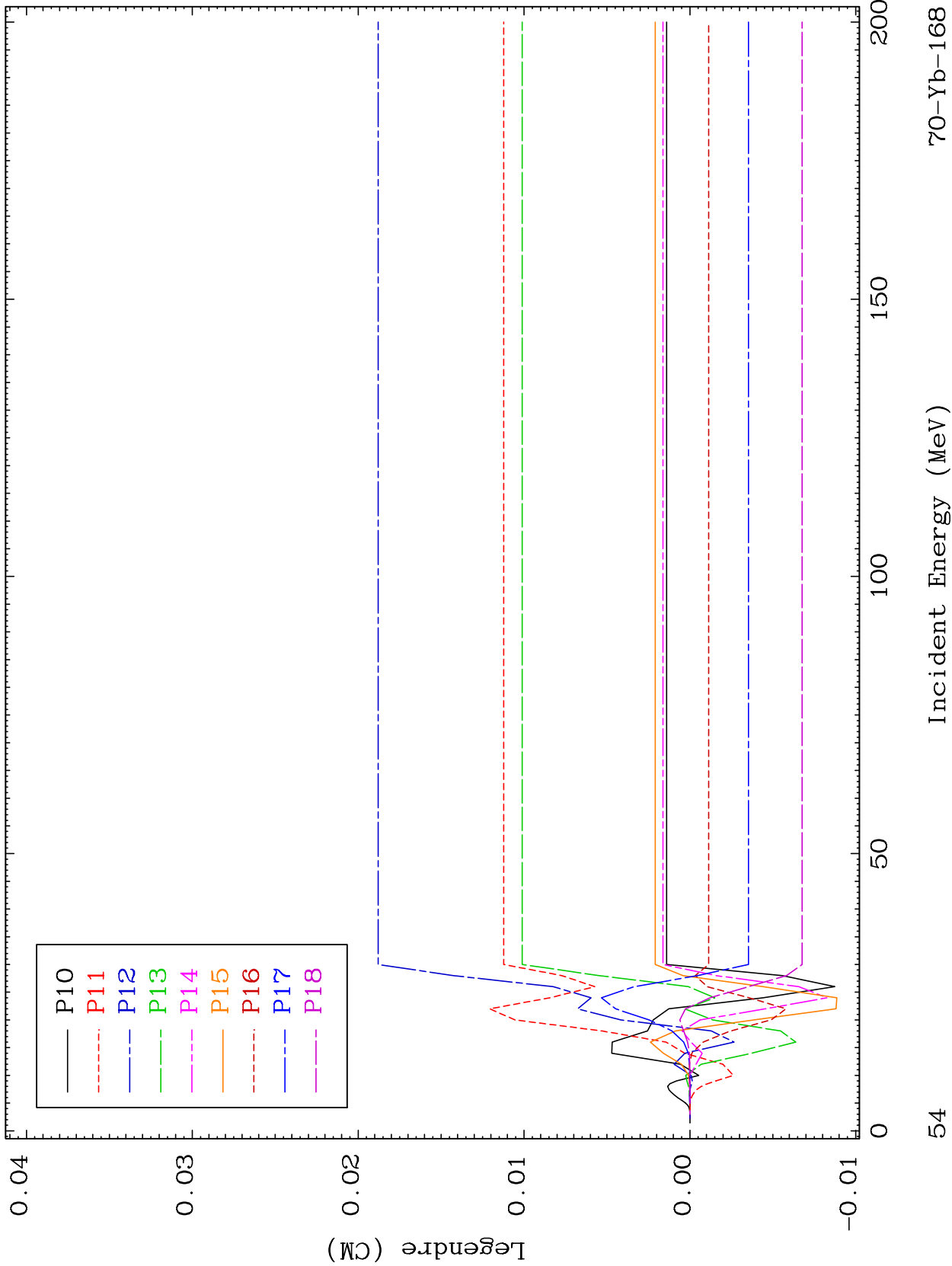


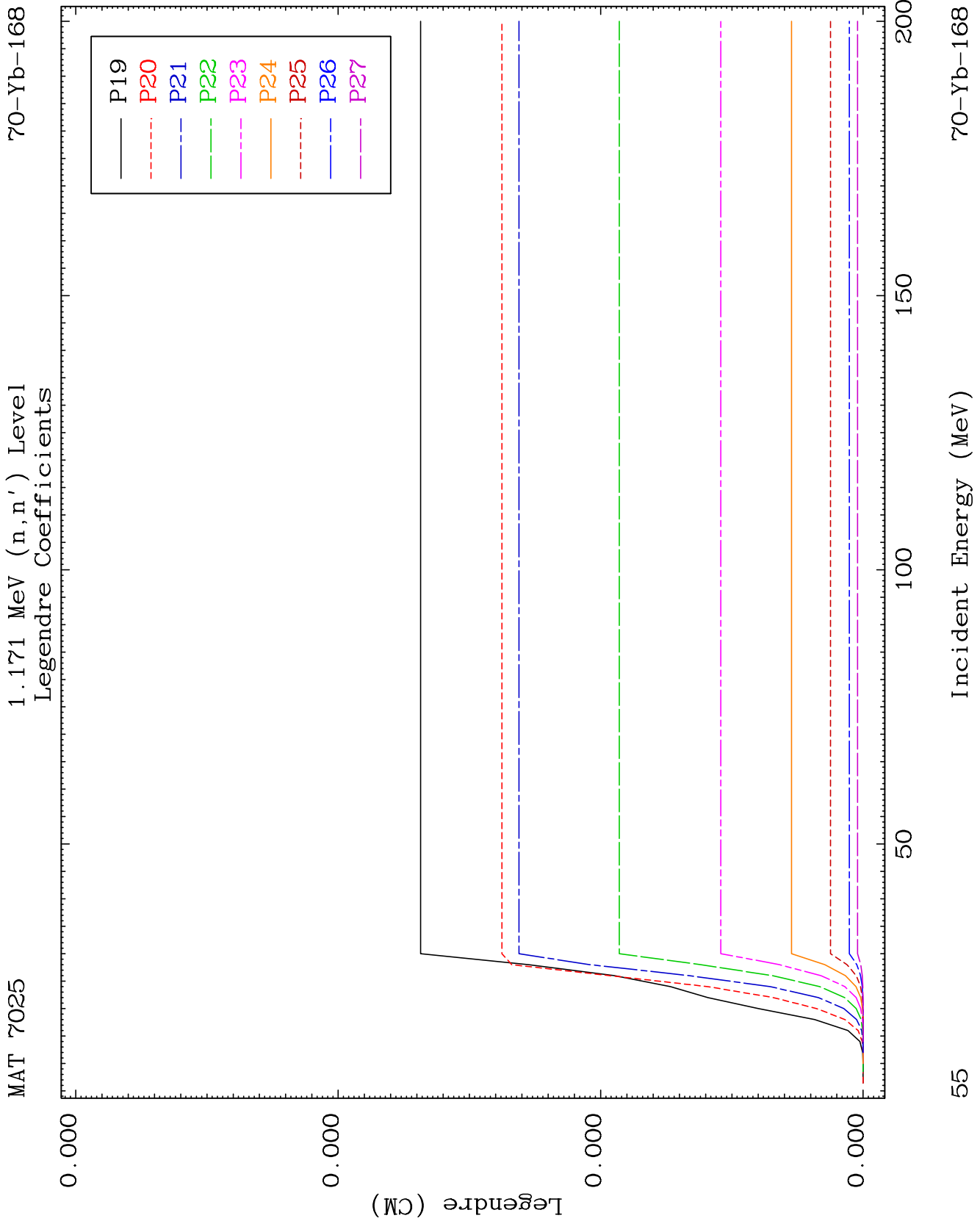


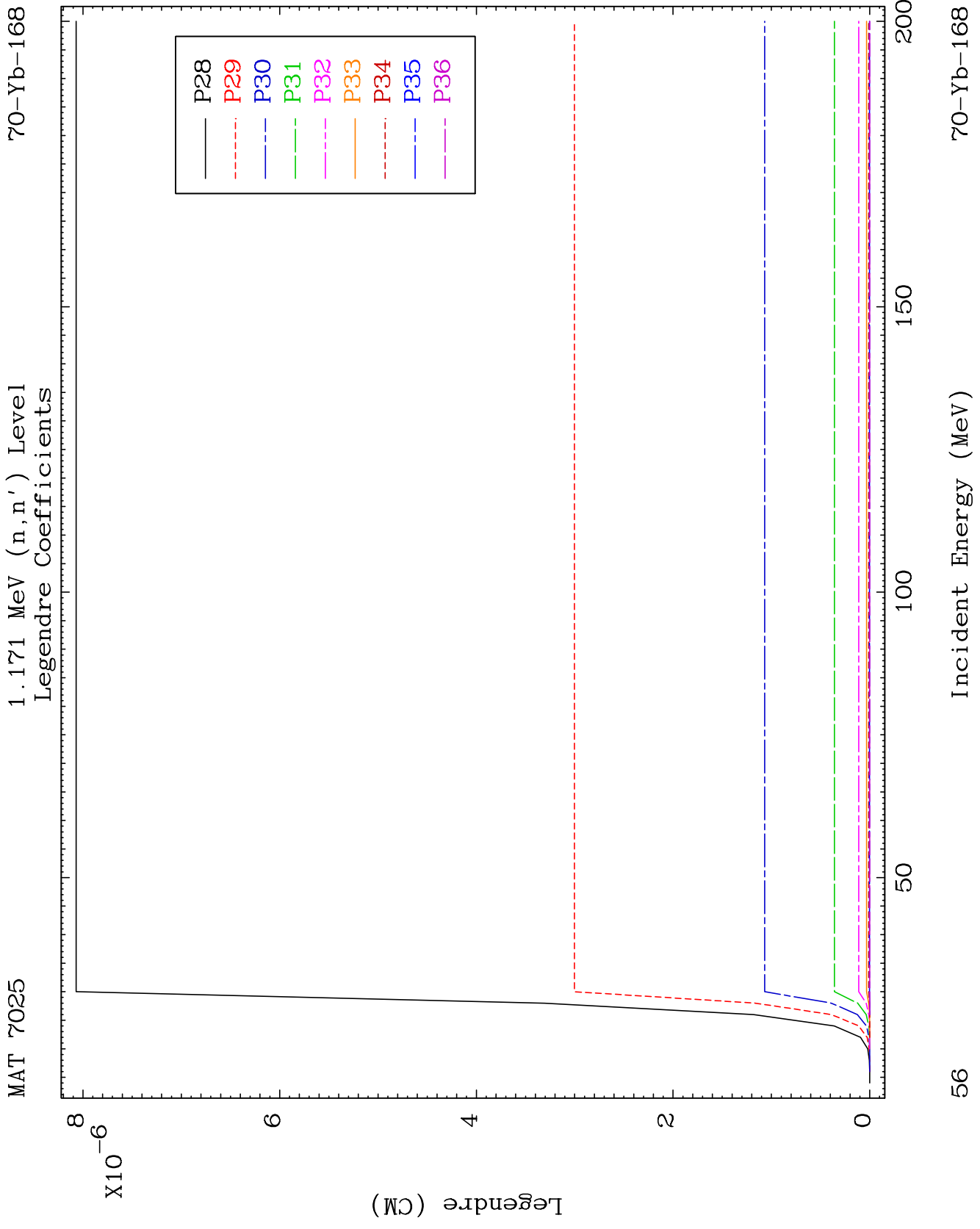
MAT 7025

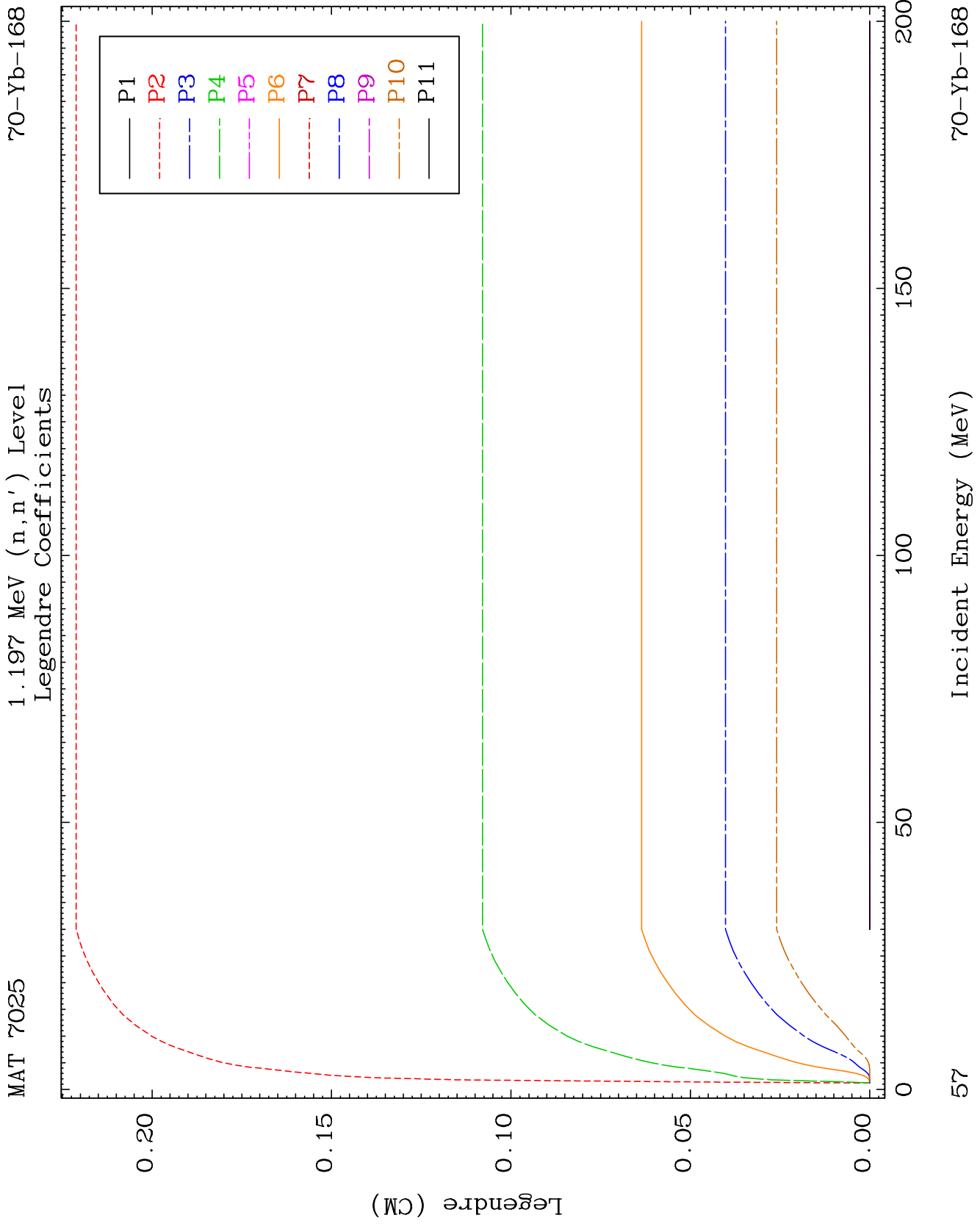
1.171 MeV (n, n') Level
Legendre Coefficients

70-Yb-168





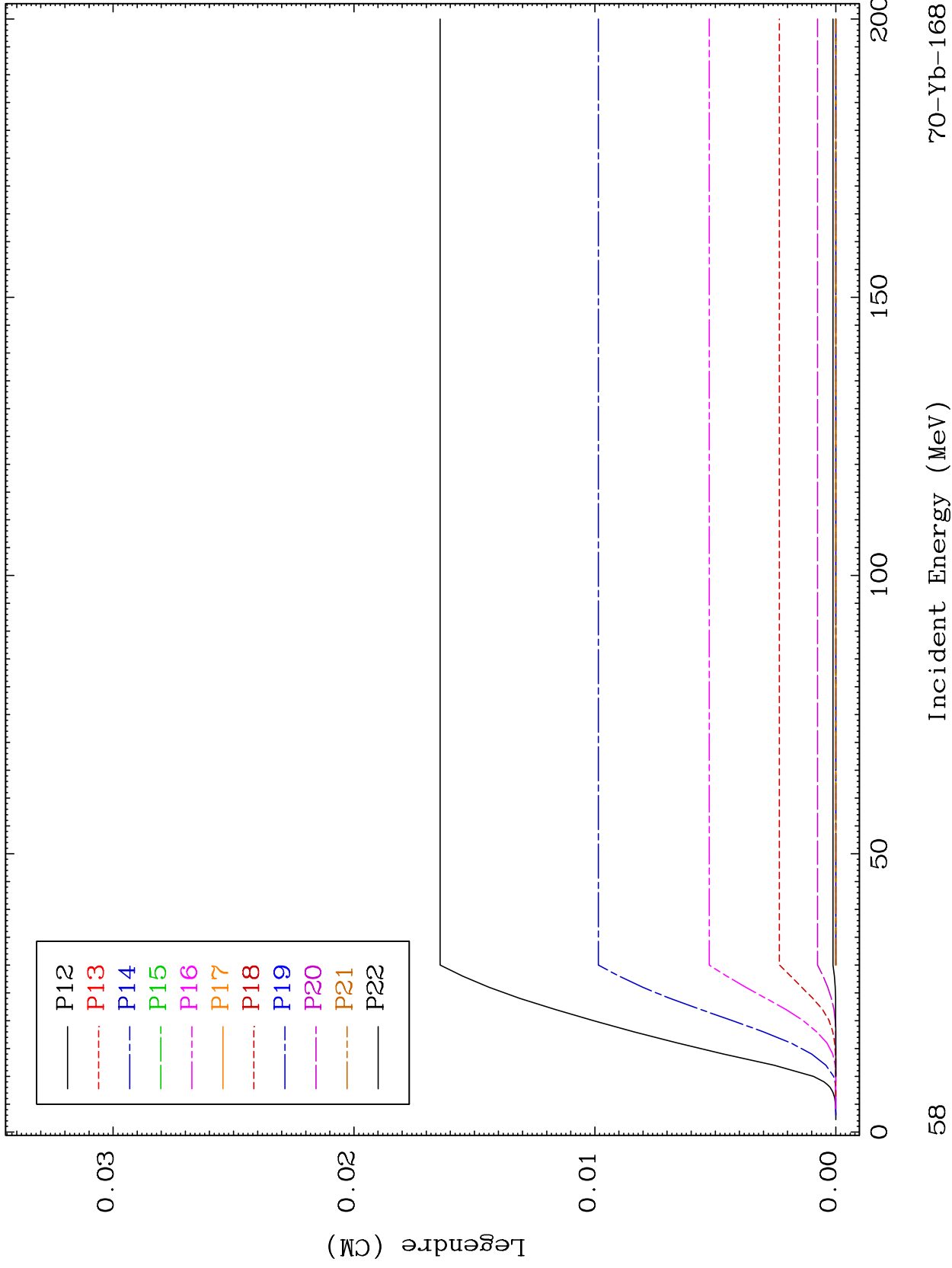




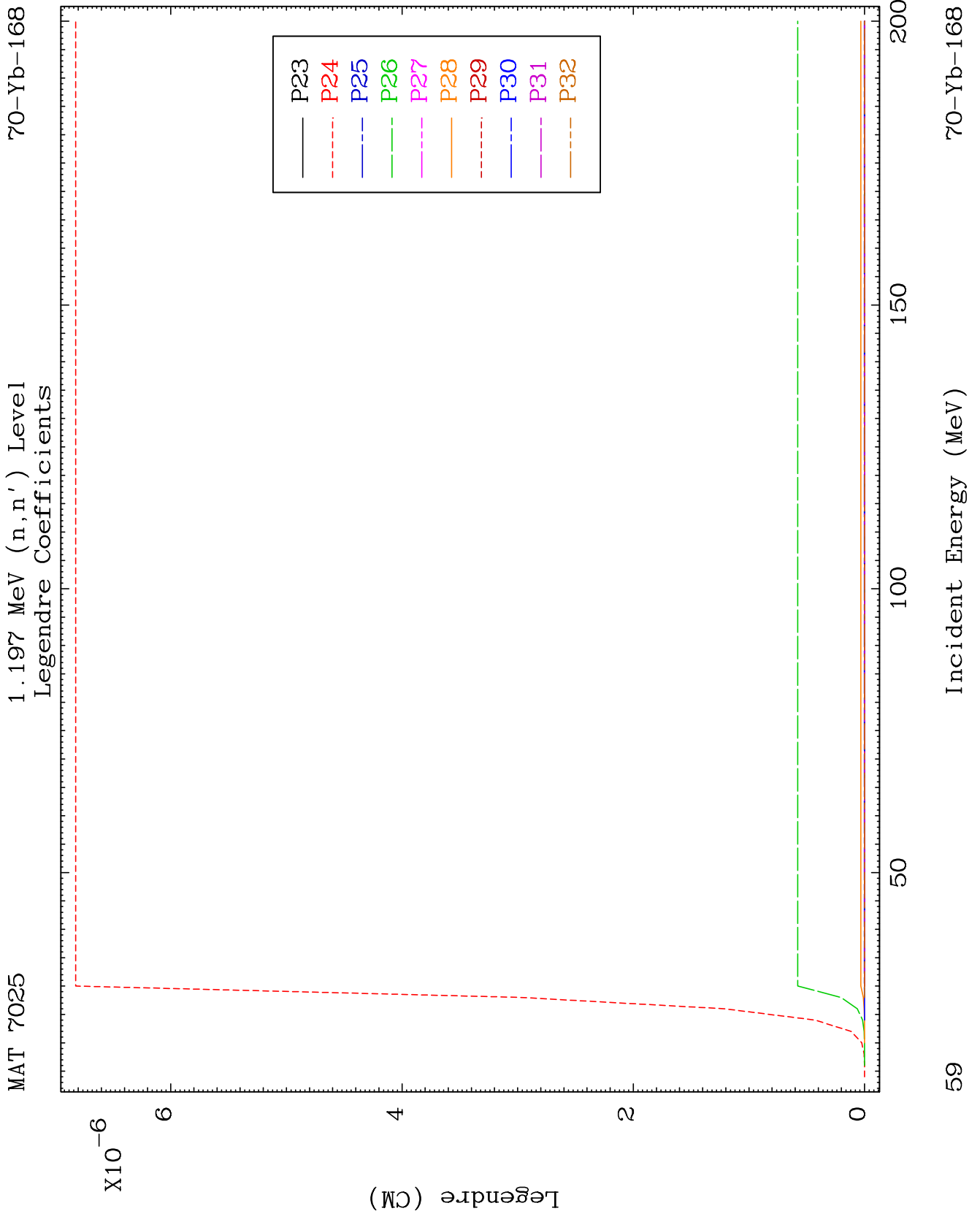
MAT 7025

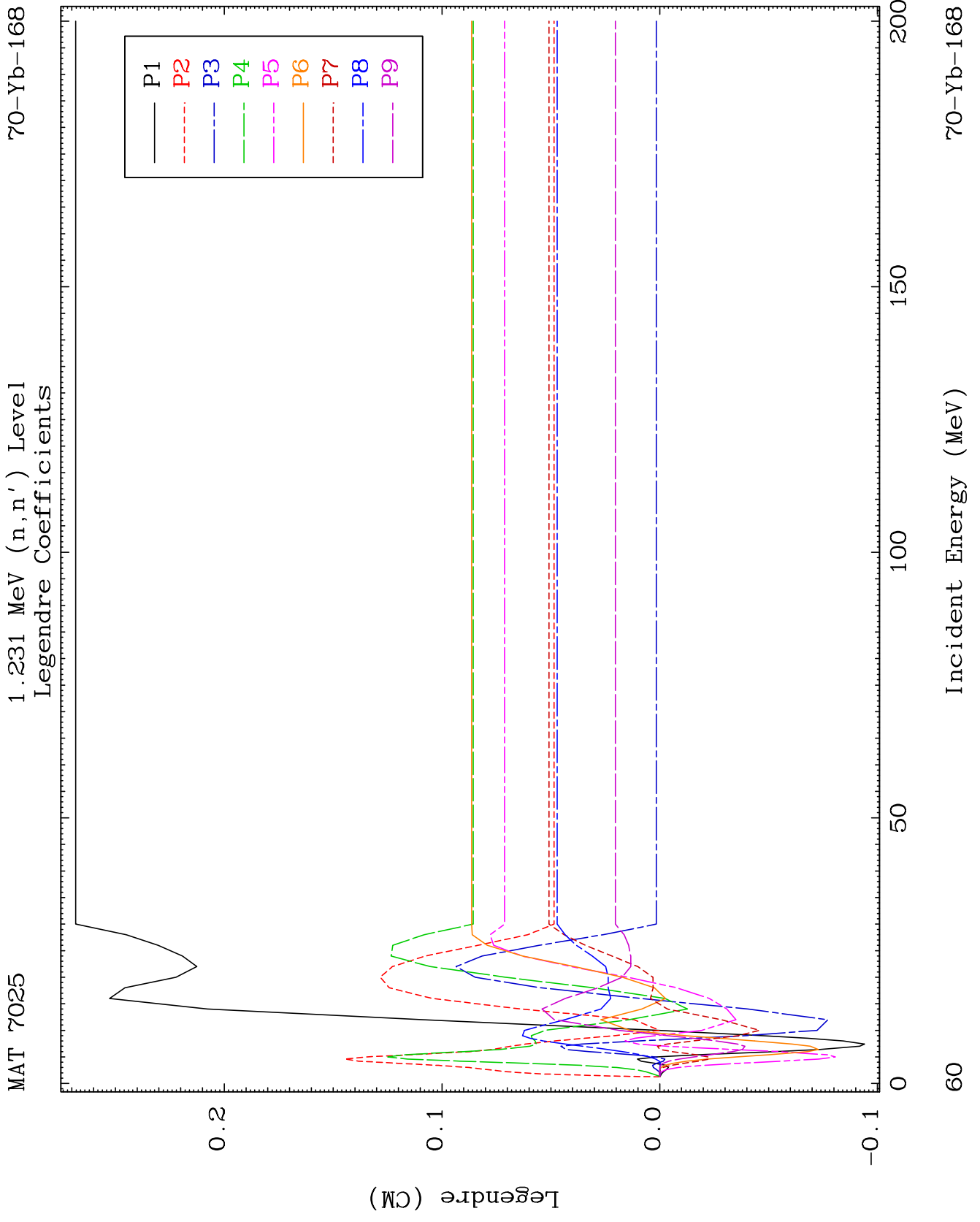
1.197 MeV (n, n') Level
Legendre Coefficients

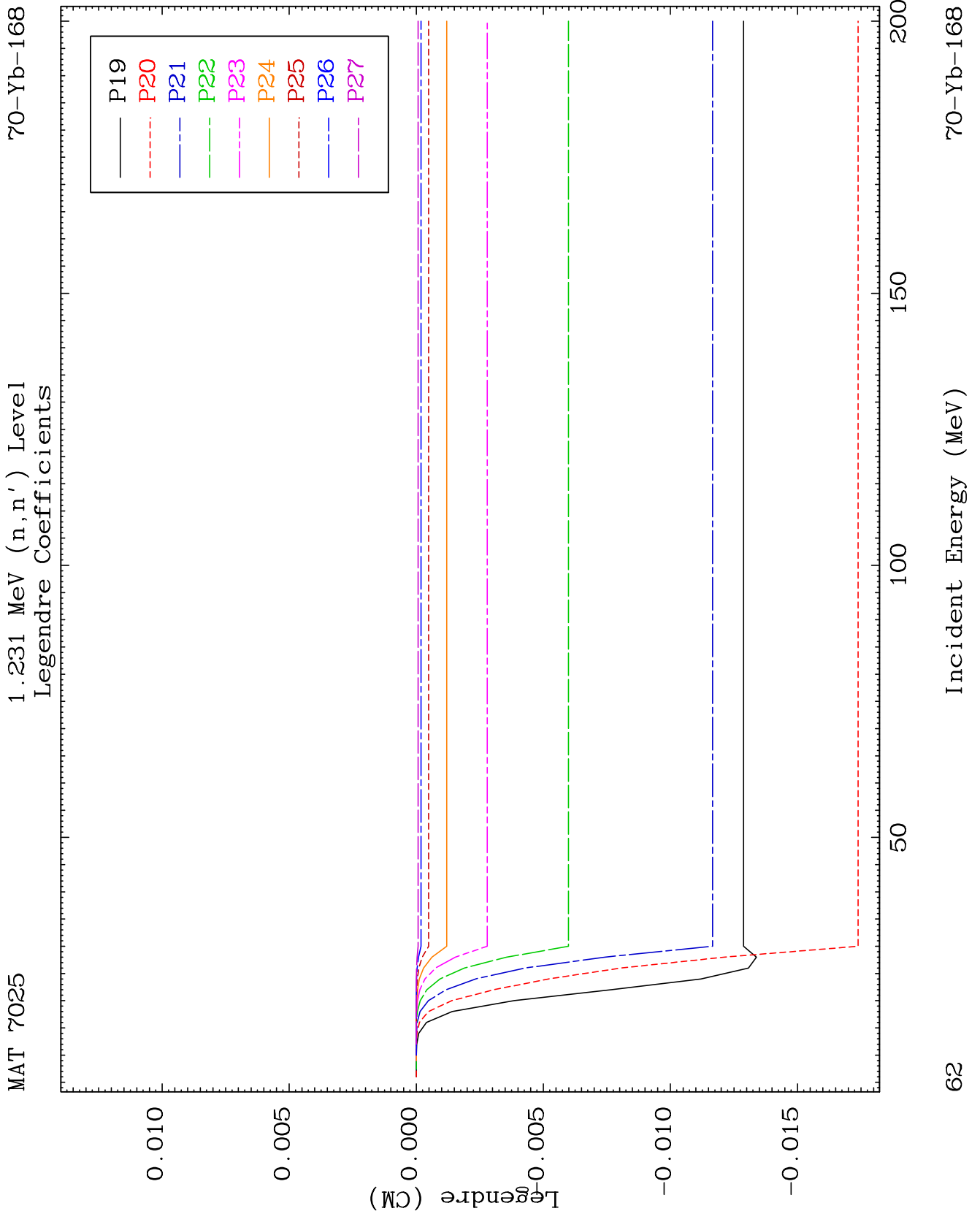
70-Yb-168

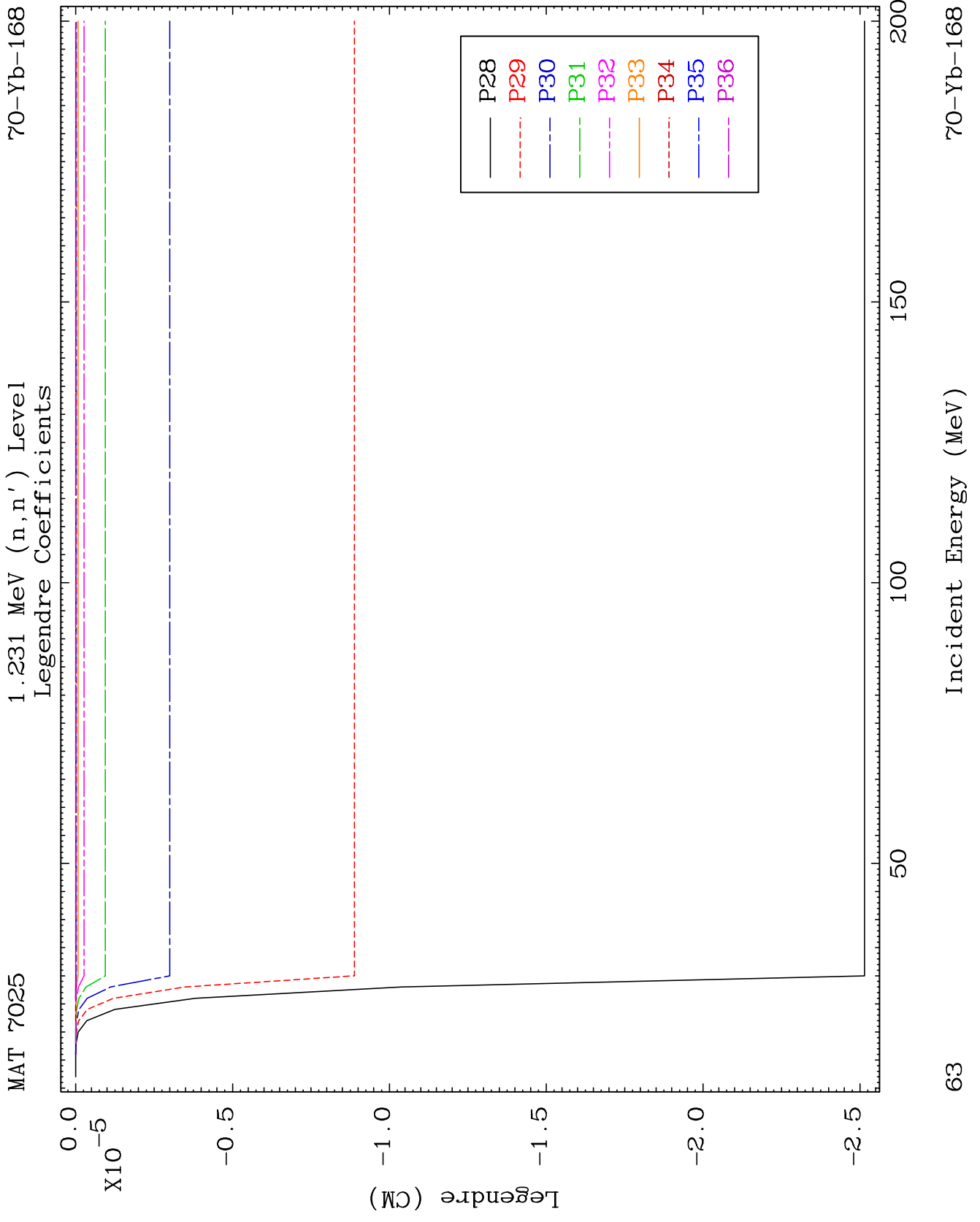


58





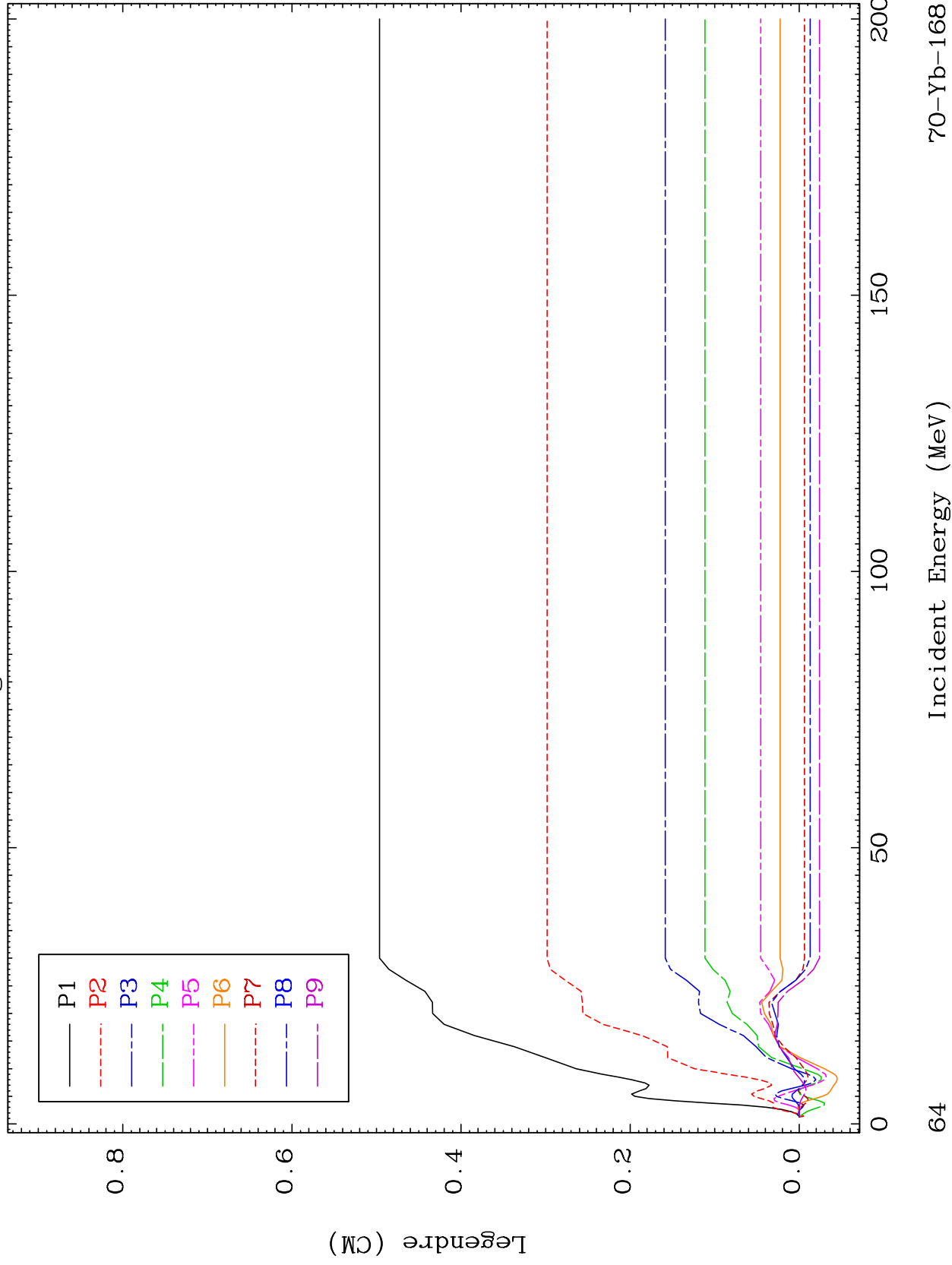




MAT 7025

1.233 MeV (n, n') Level
Legendre Coefficients

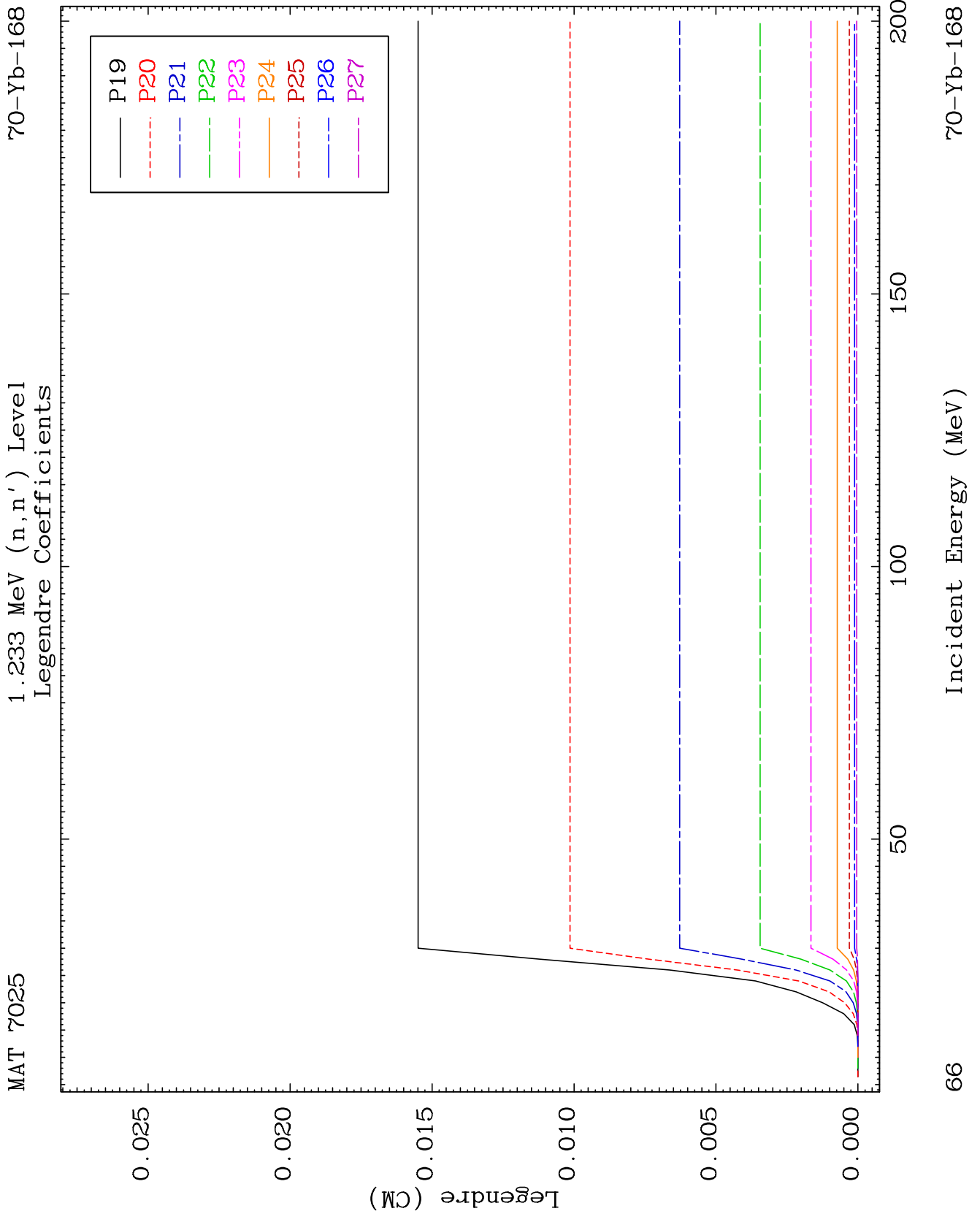
70-Yb-168

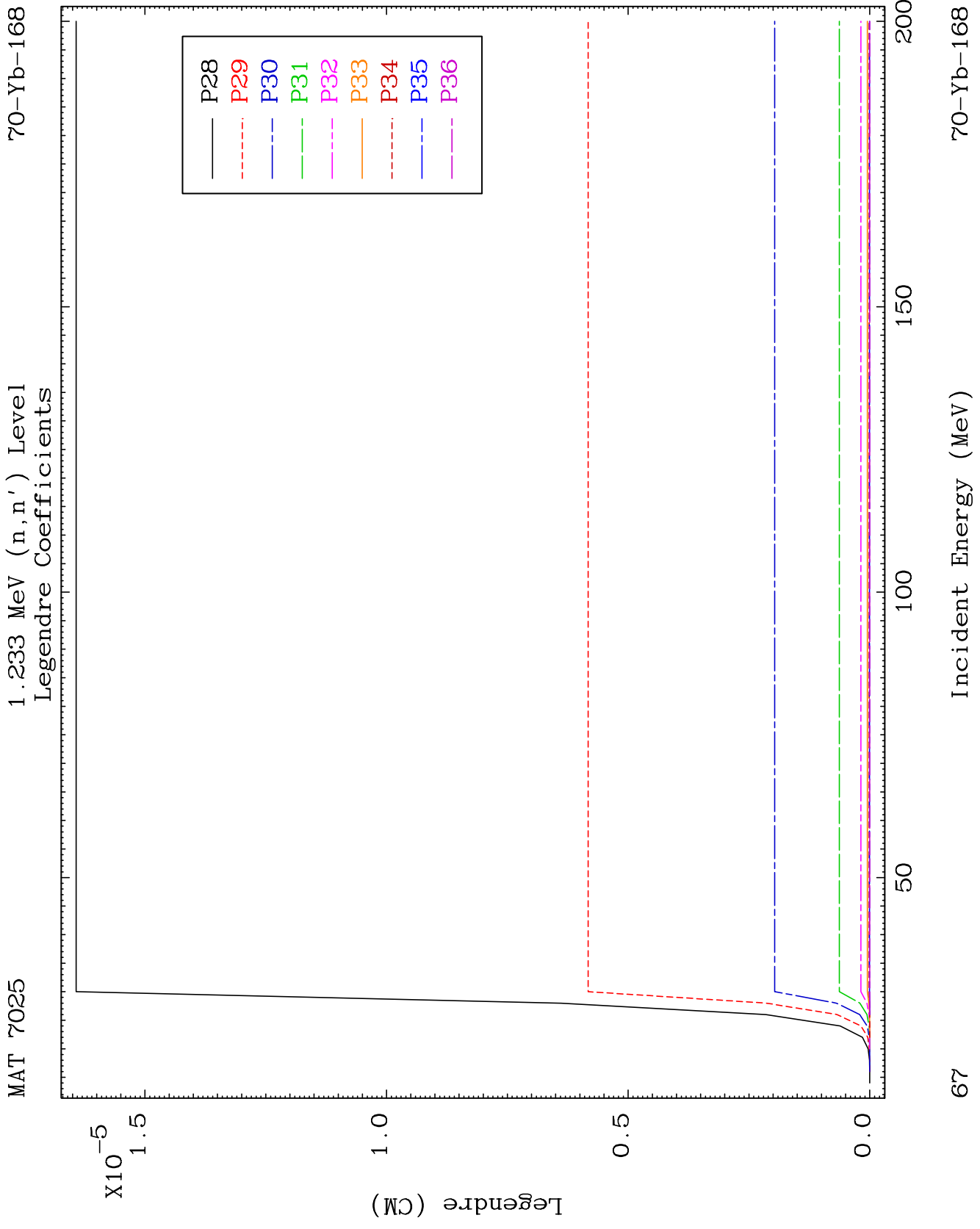


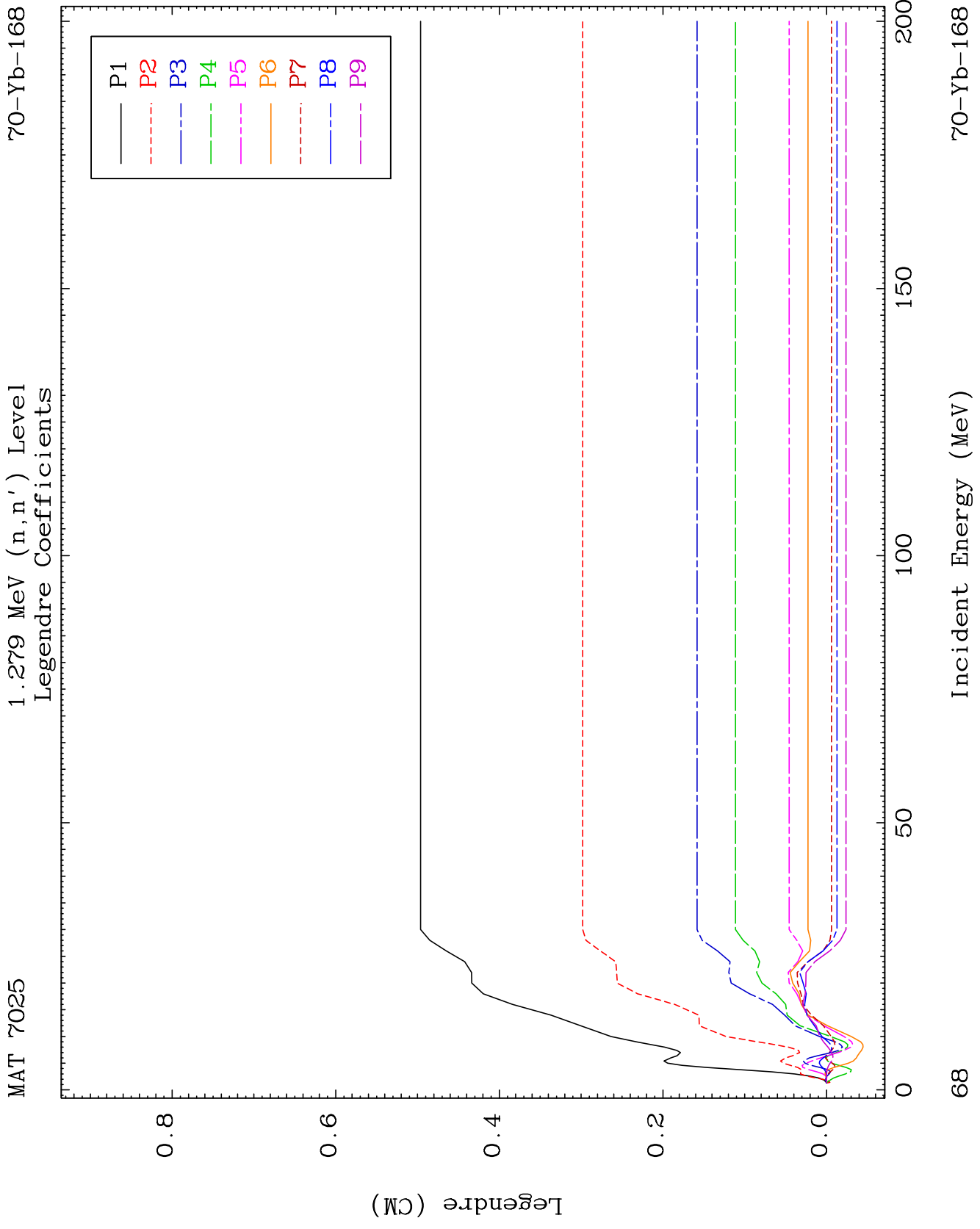
70-Yb-168

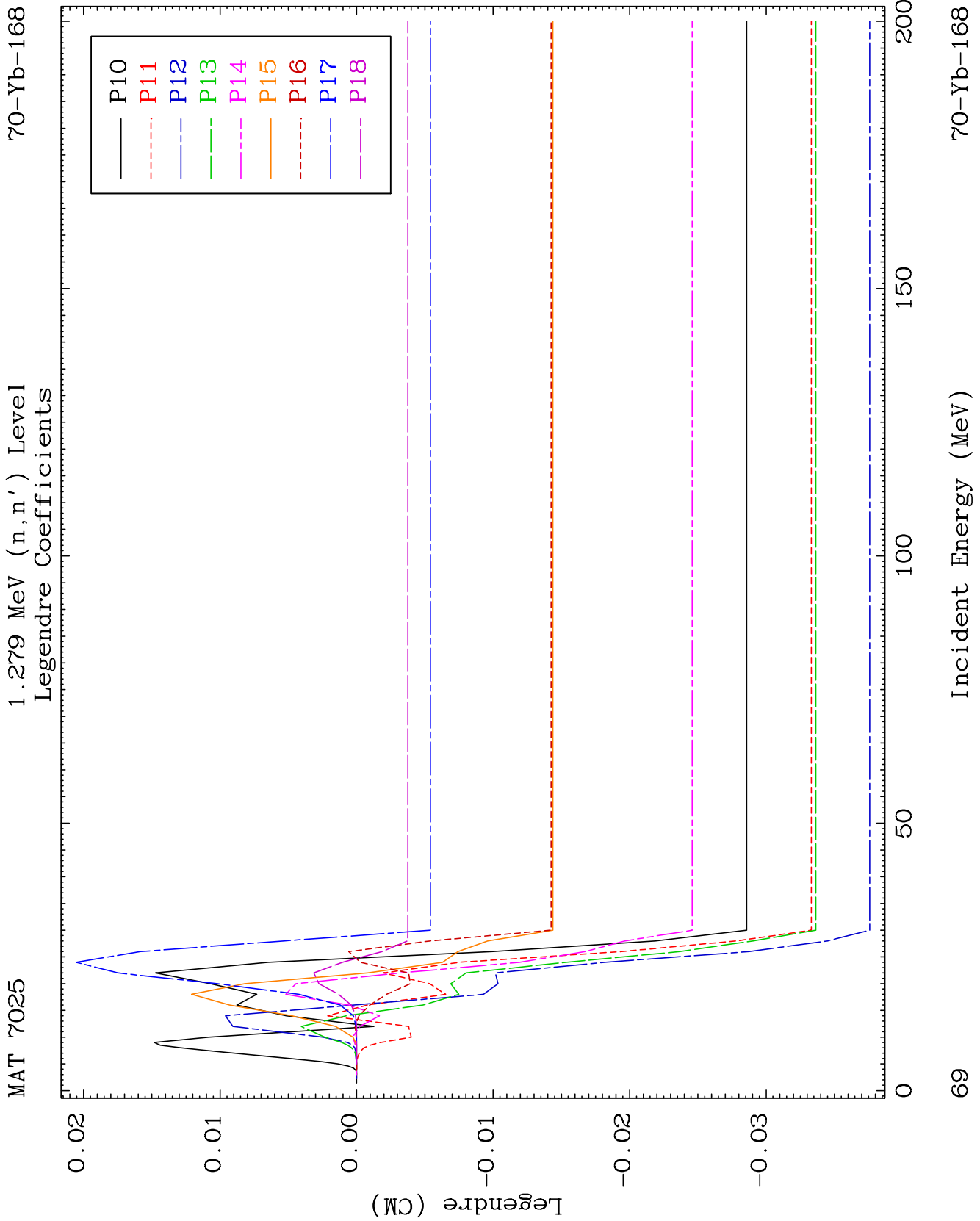
Incident Energy (MeV)

64





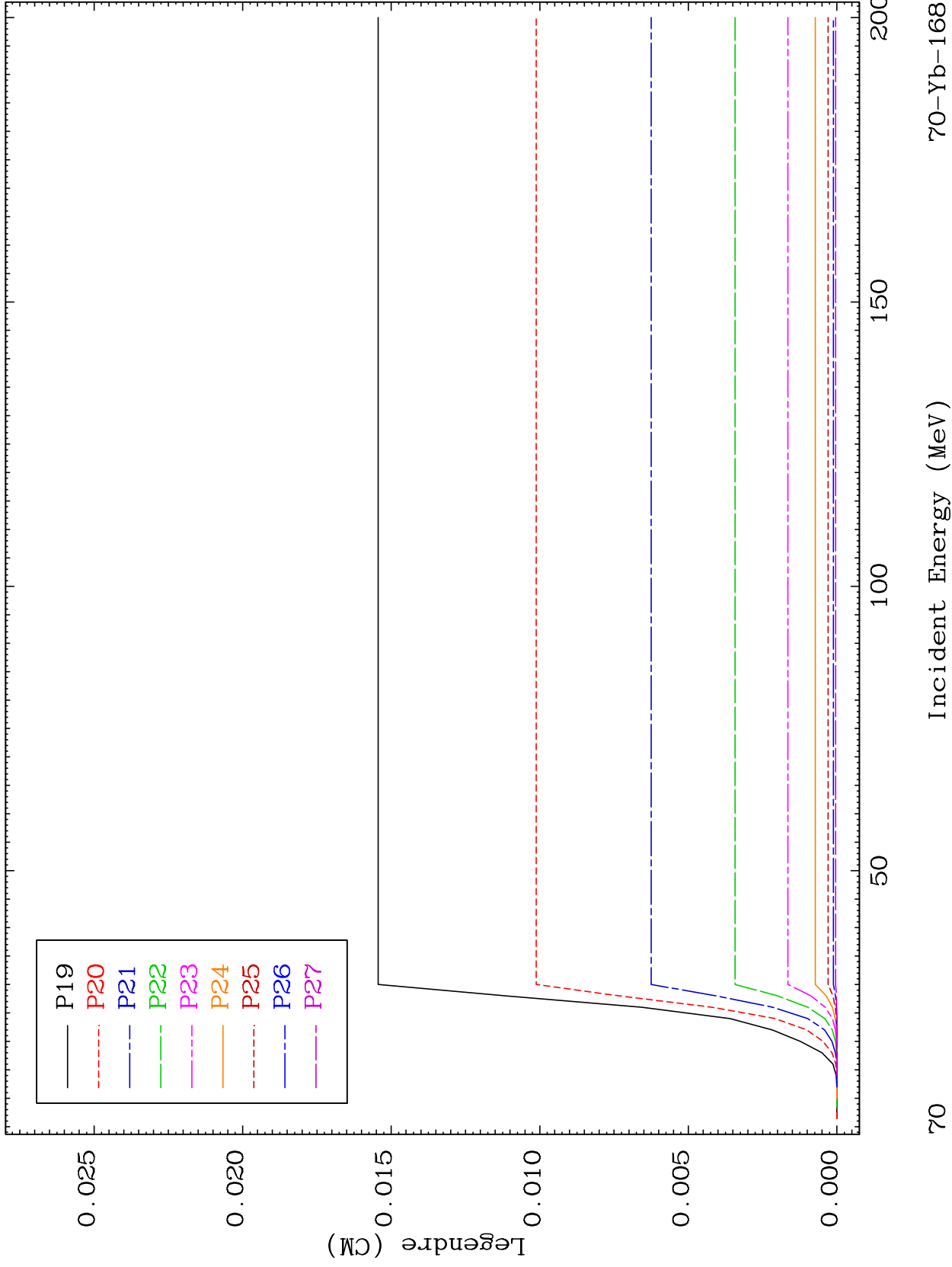




MAT 7025

1.279 MeV (n, n') Level
Legendre Coefficients

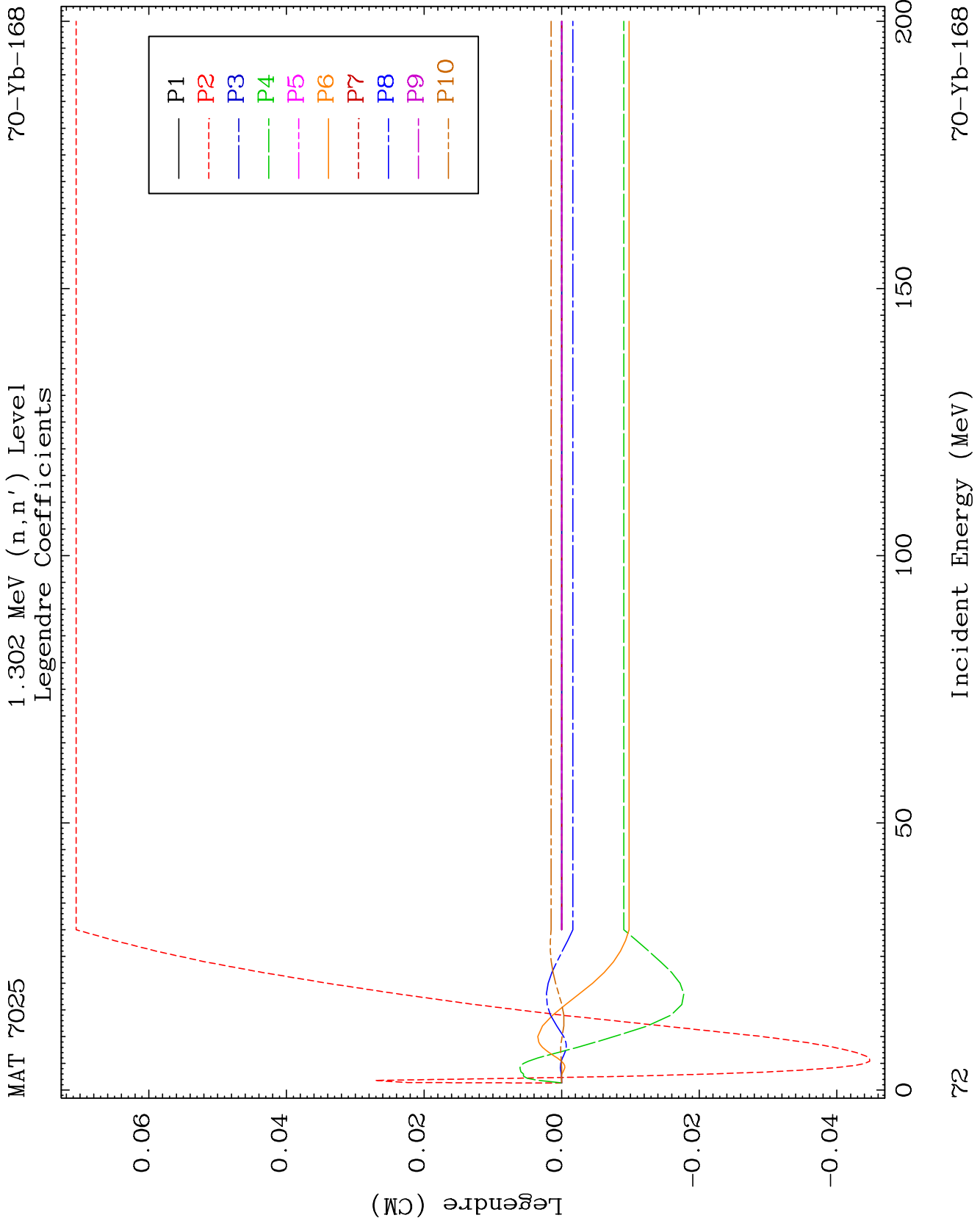
70-Yb-168

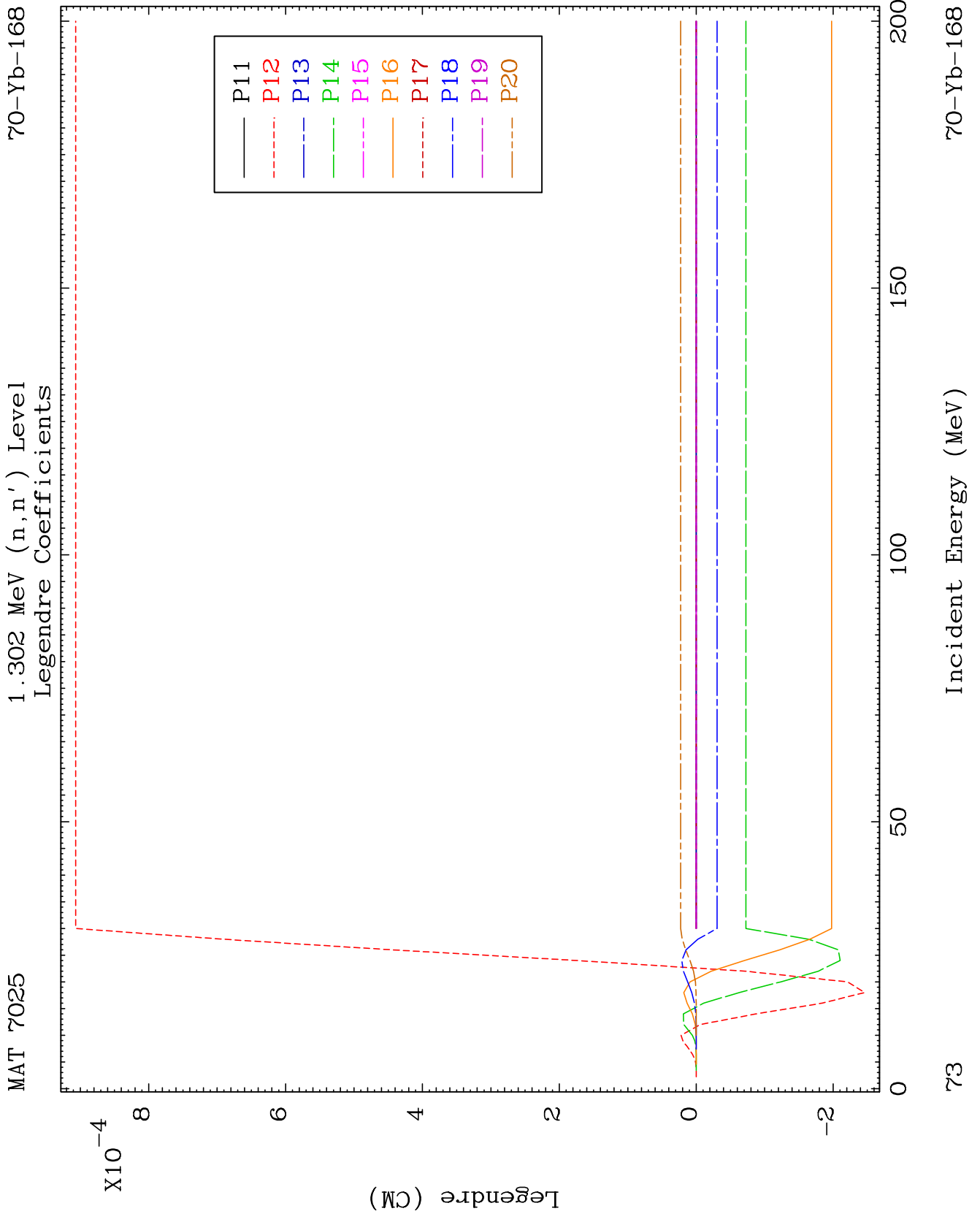


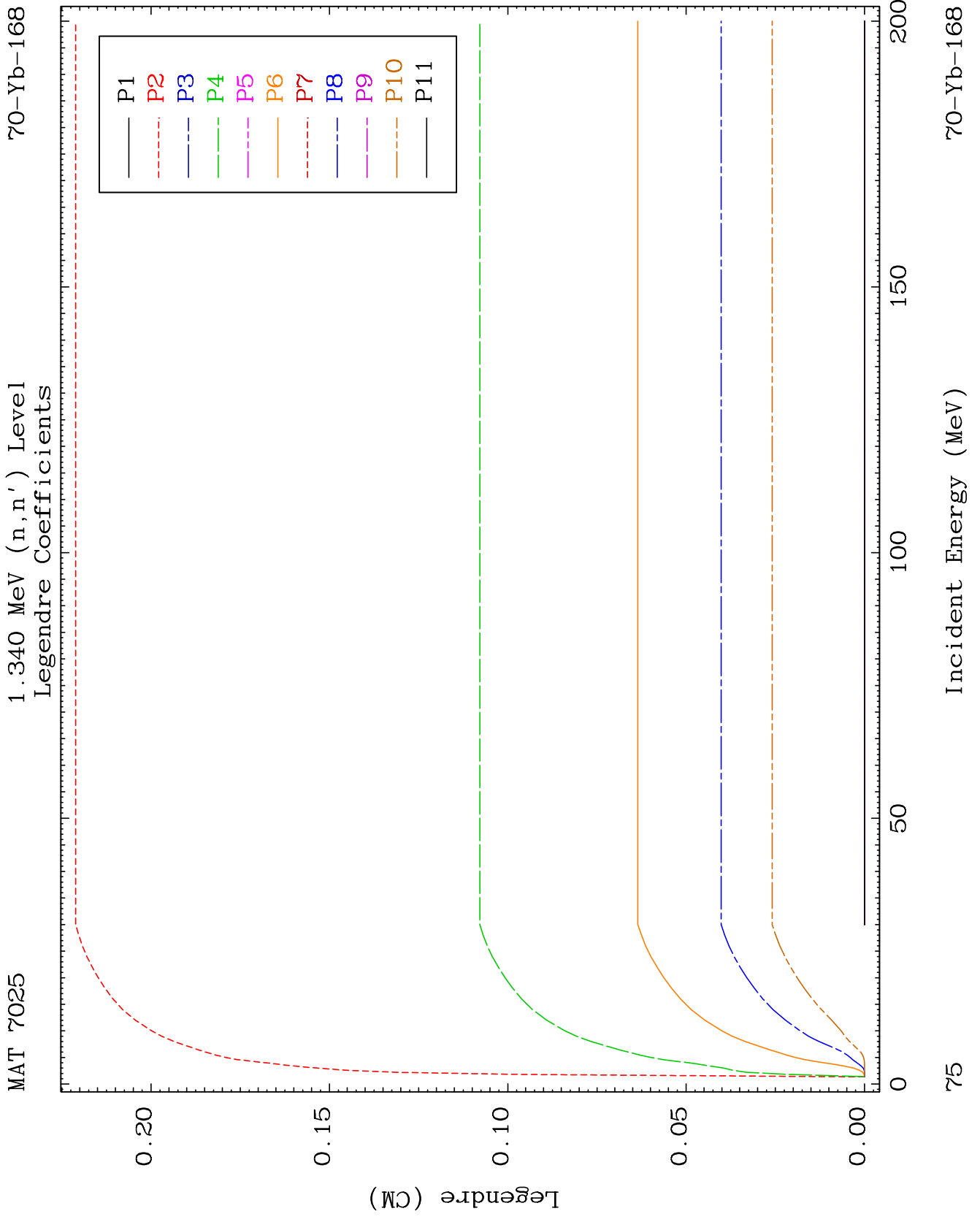
70

Incident Energy (MeV)

70-Yb-168



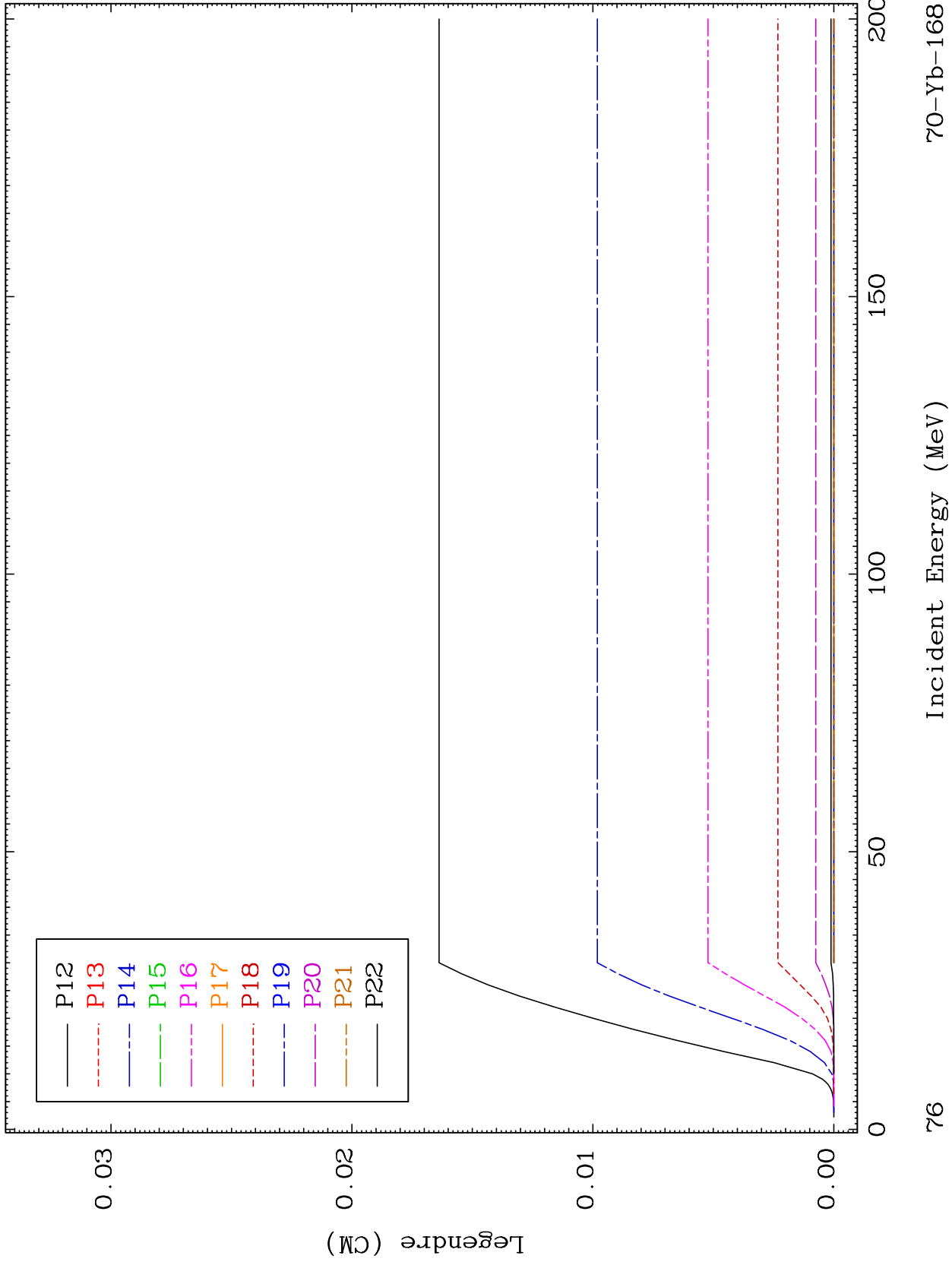


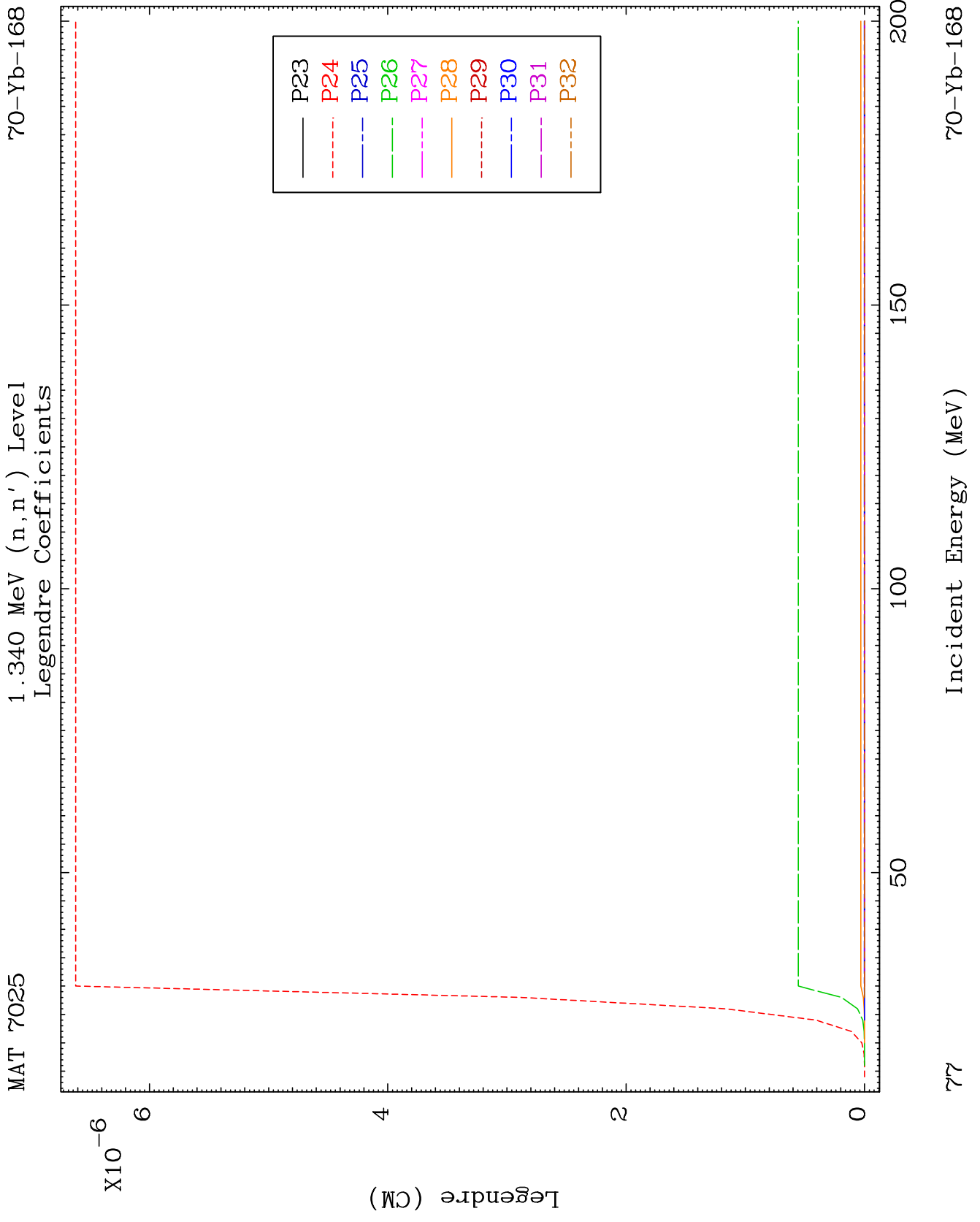


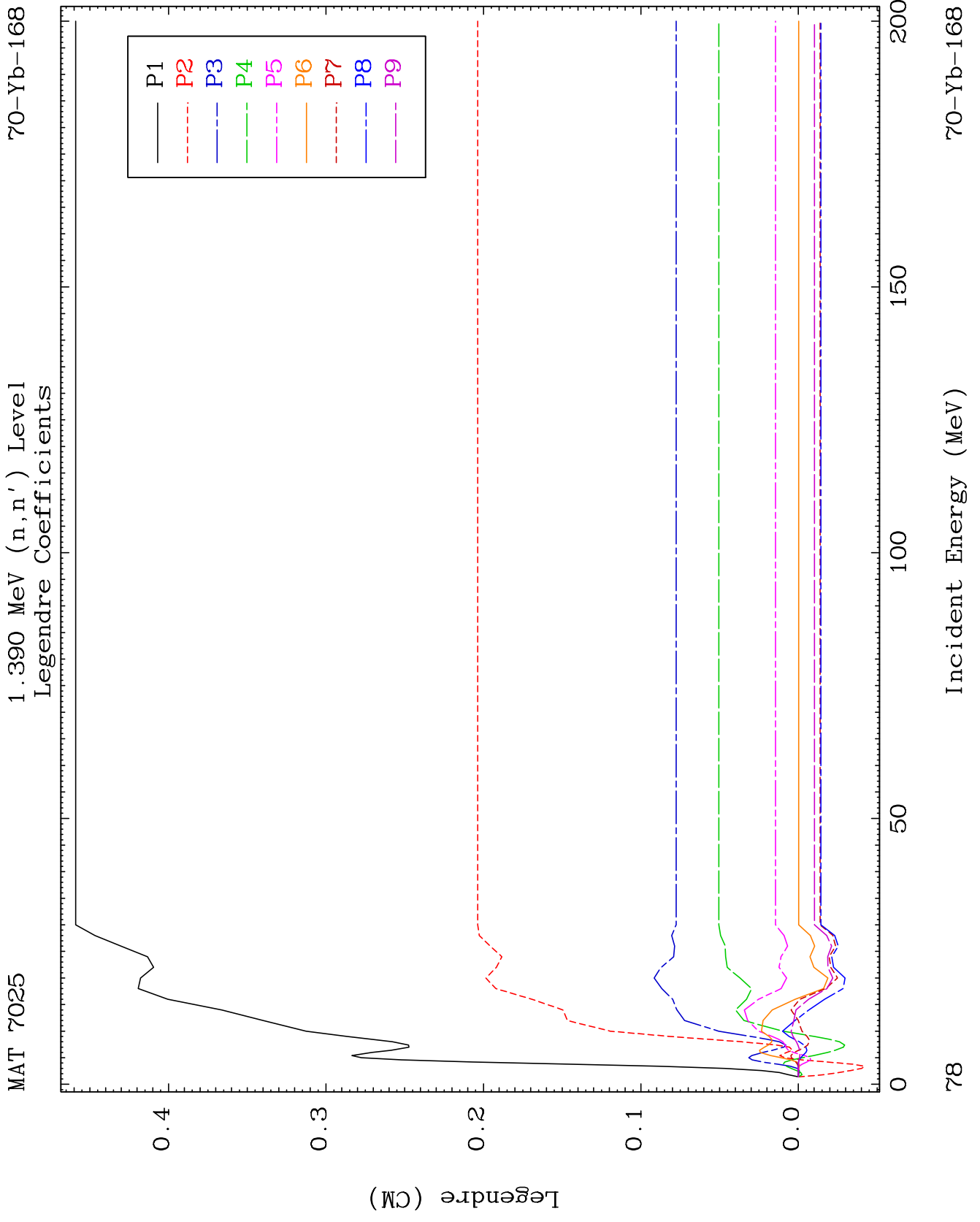
MAT 7025

1.340 MeV (n, n') Level
Legendre Coefficients

70-Yb-168



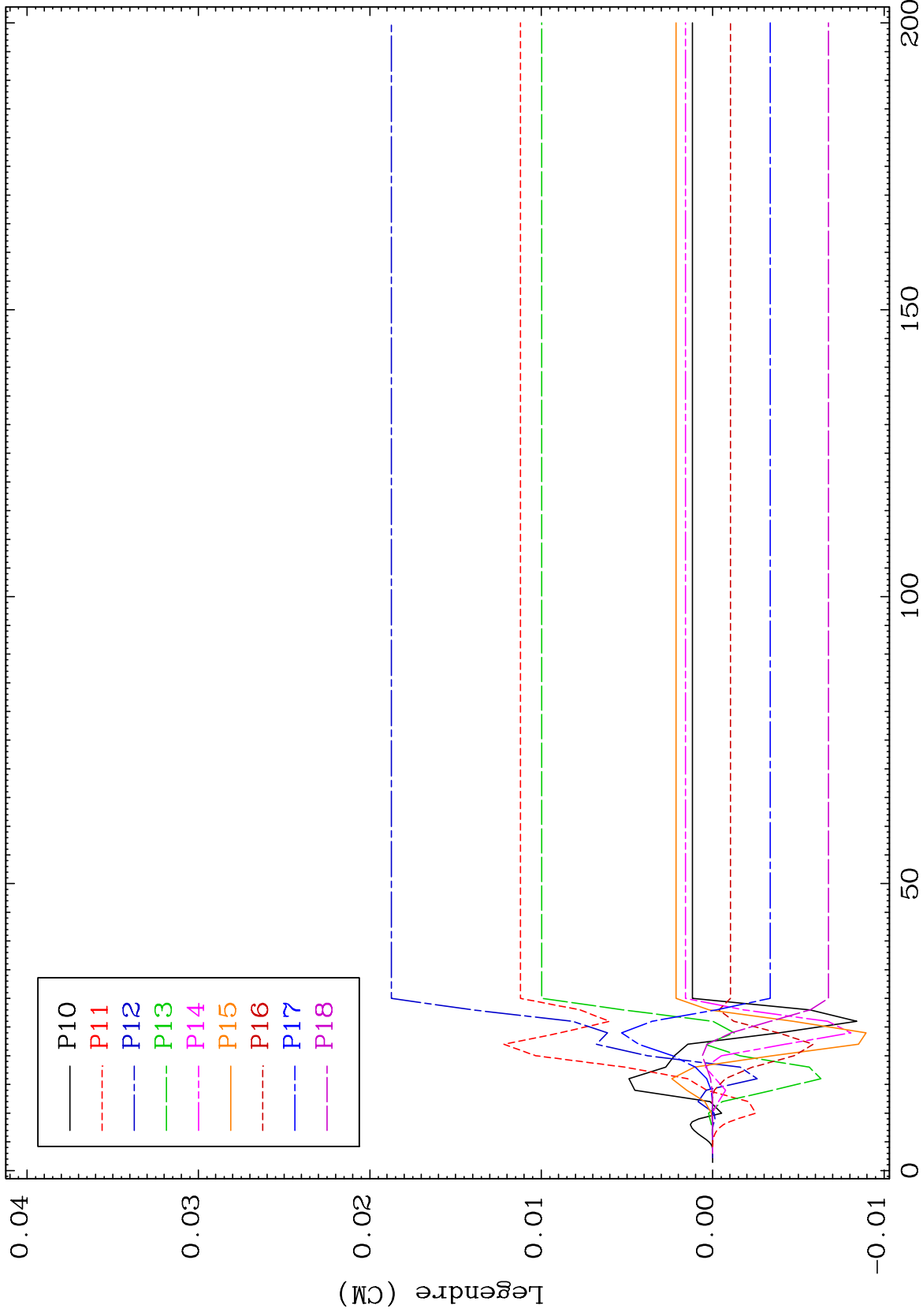




MAT 7025

1.390 MeV (n, n') Level
Legendre Coefficients

70-Yb-168



79

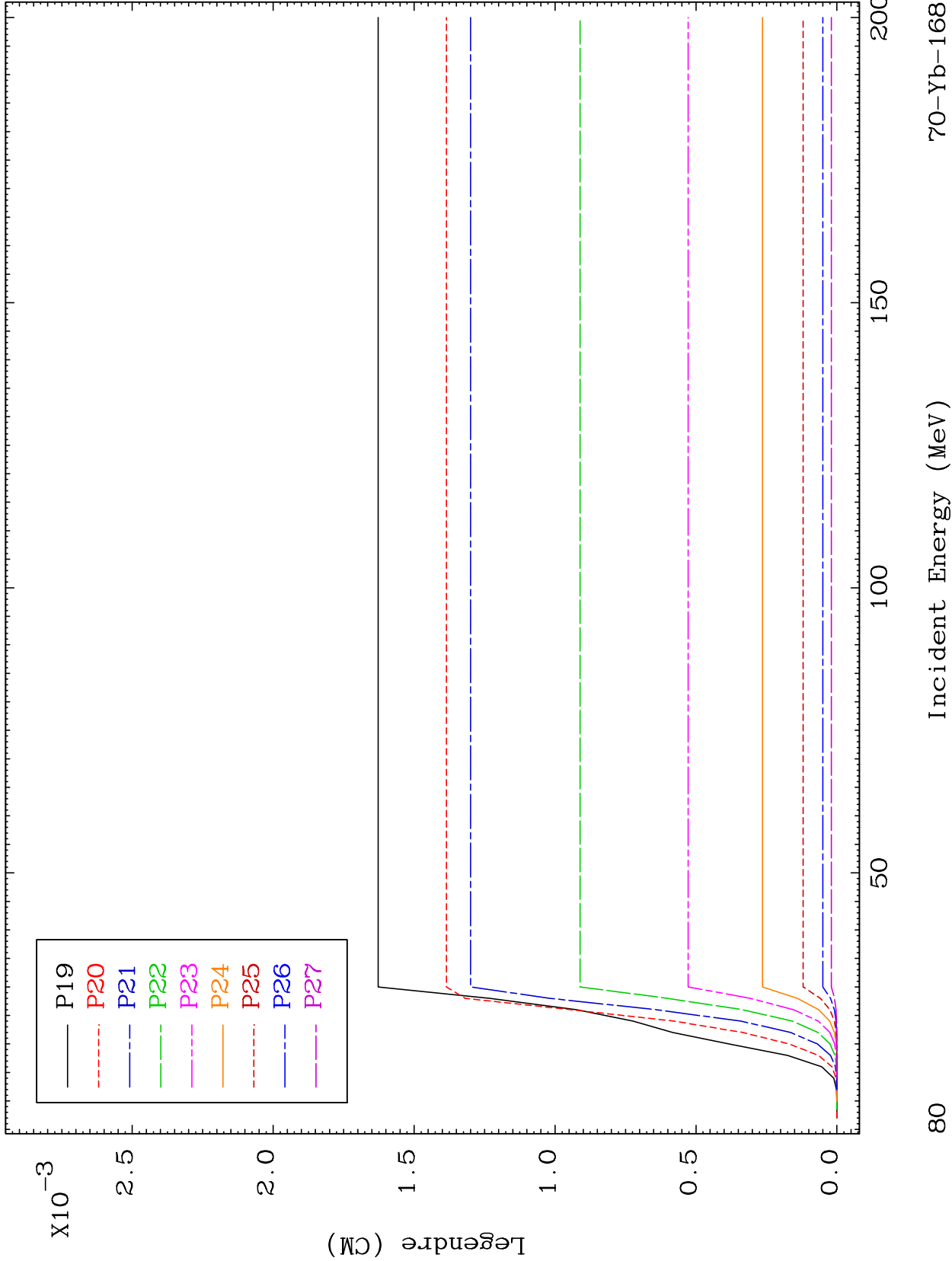
Incident Energy (MeV)

70-Yb-168

MAT 7025

1.390 MeV (n,n') Level
Legendre Coefficients

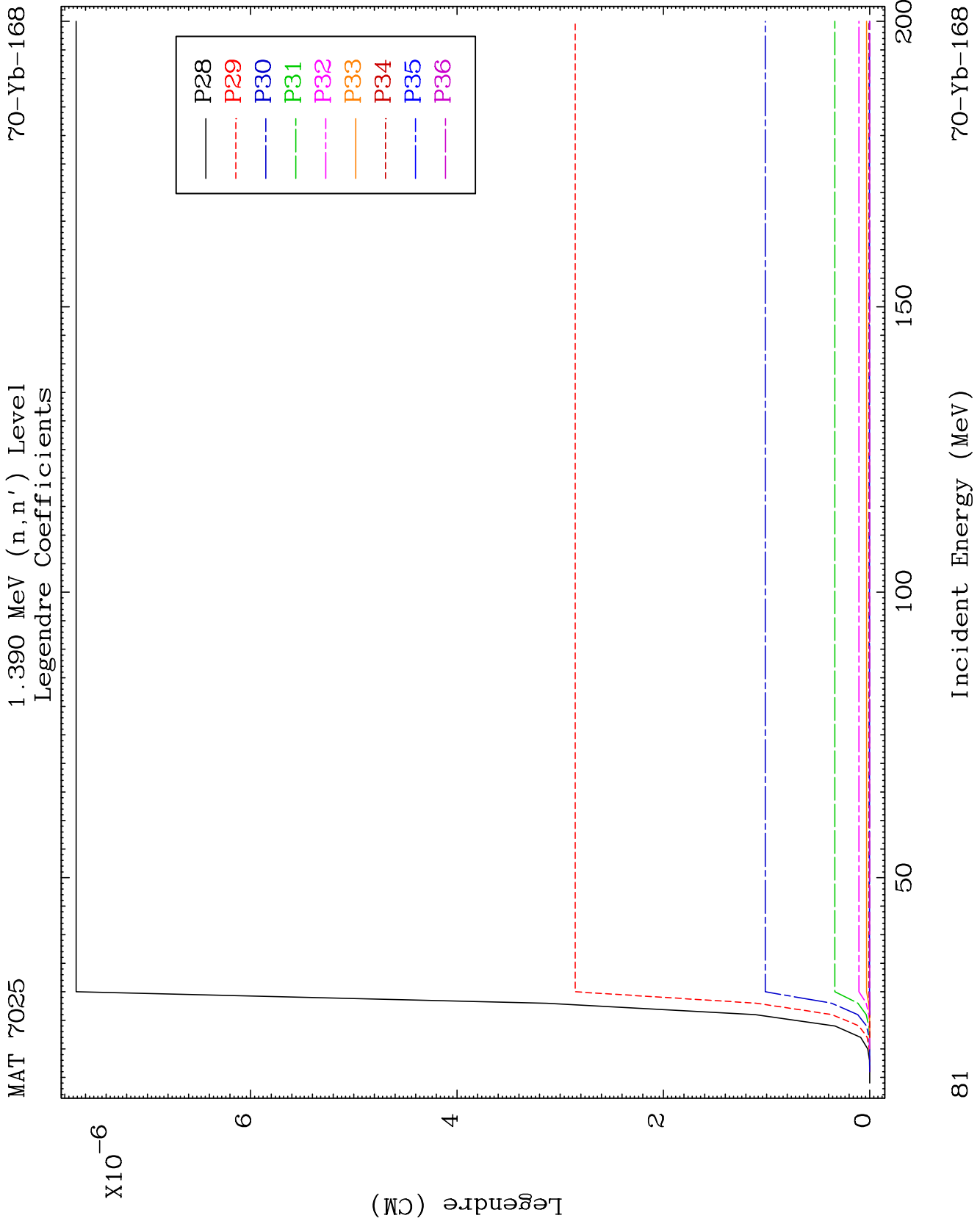
70-Yb-168



80

Incident Energy (MeV)

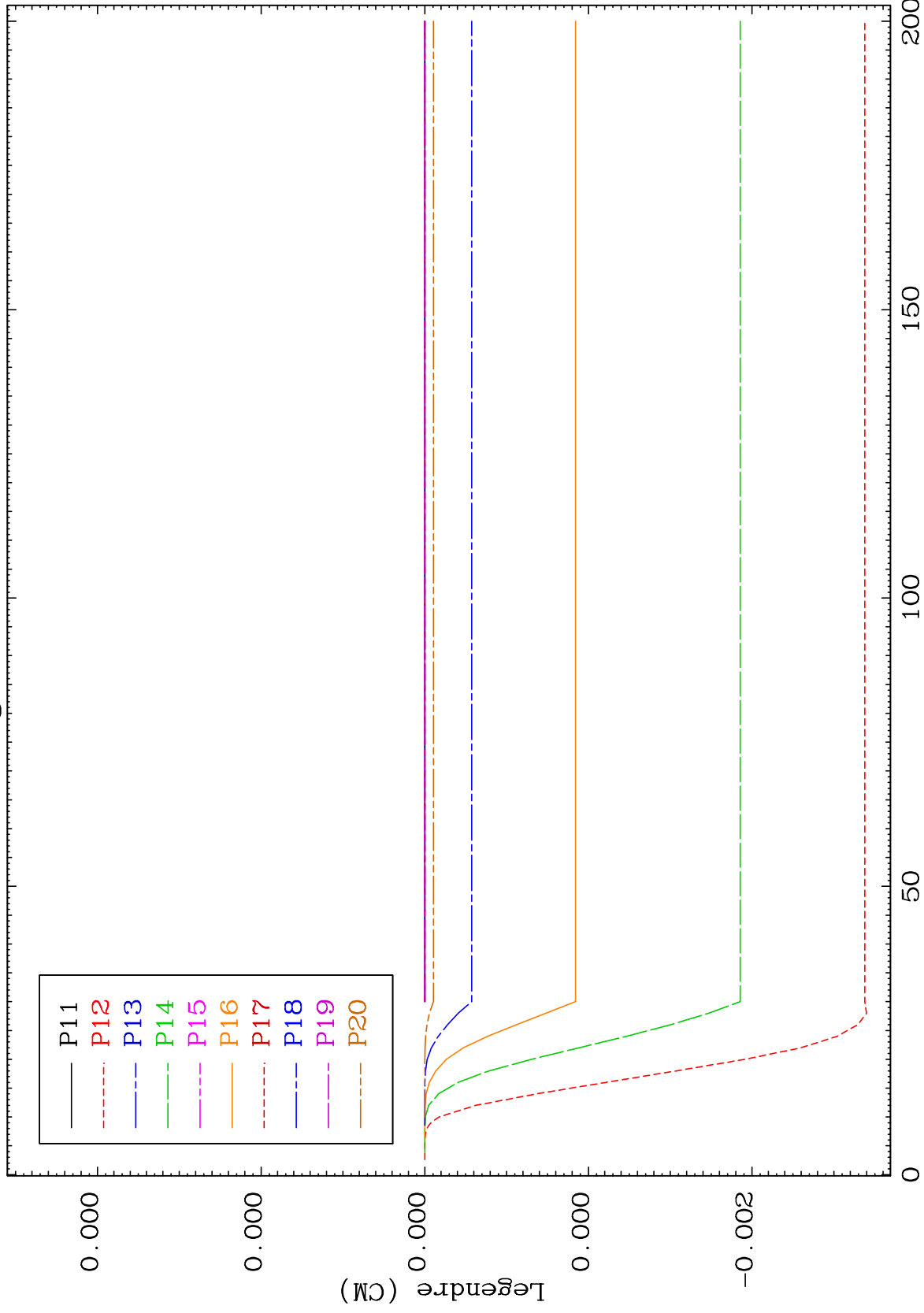
70-Yb-168



MAT 7025

1.408 MeV (n, n') Level
Legendre Coefficients

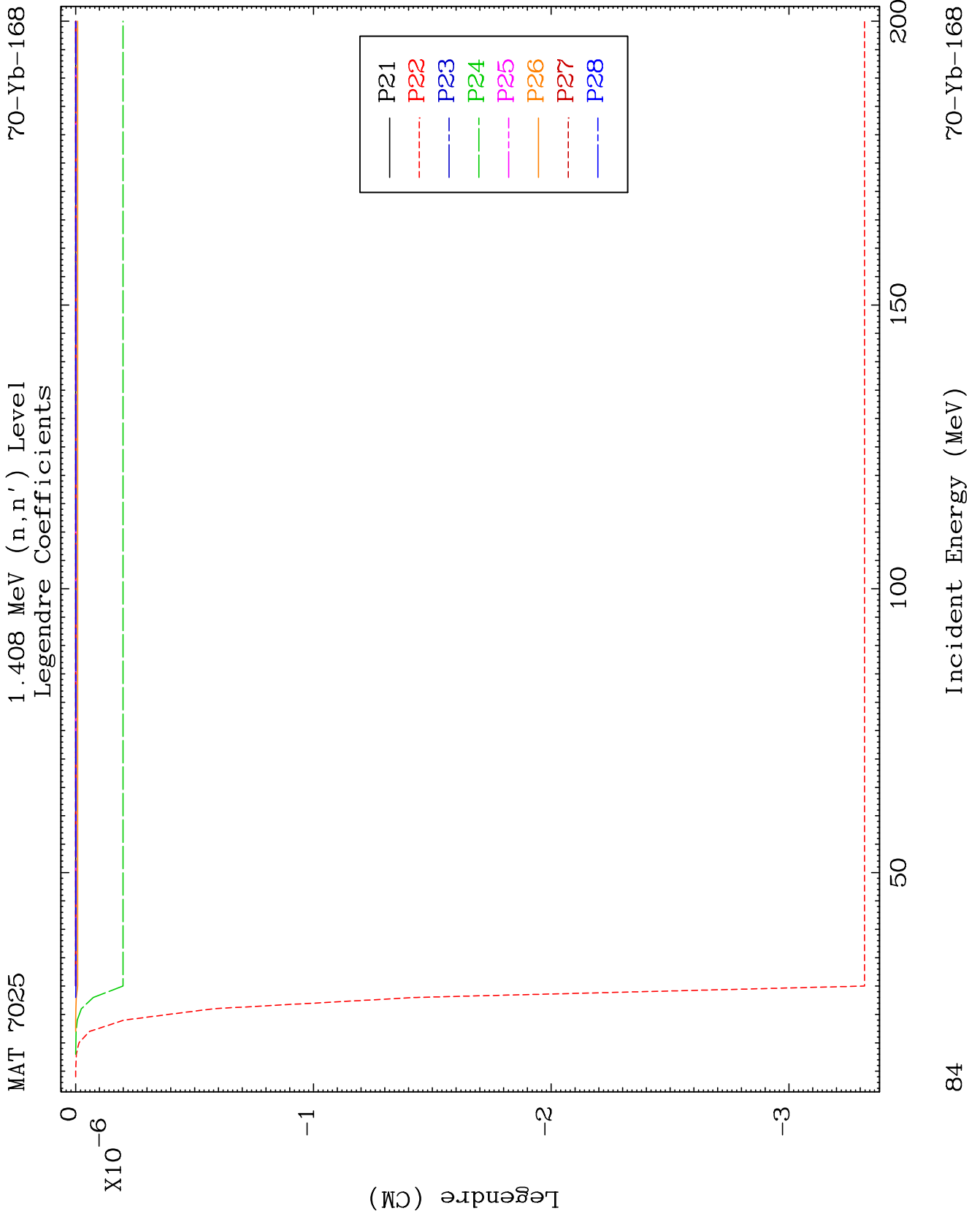
70-Yb-168

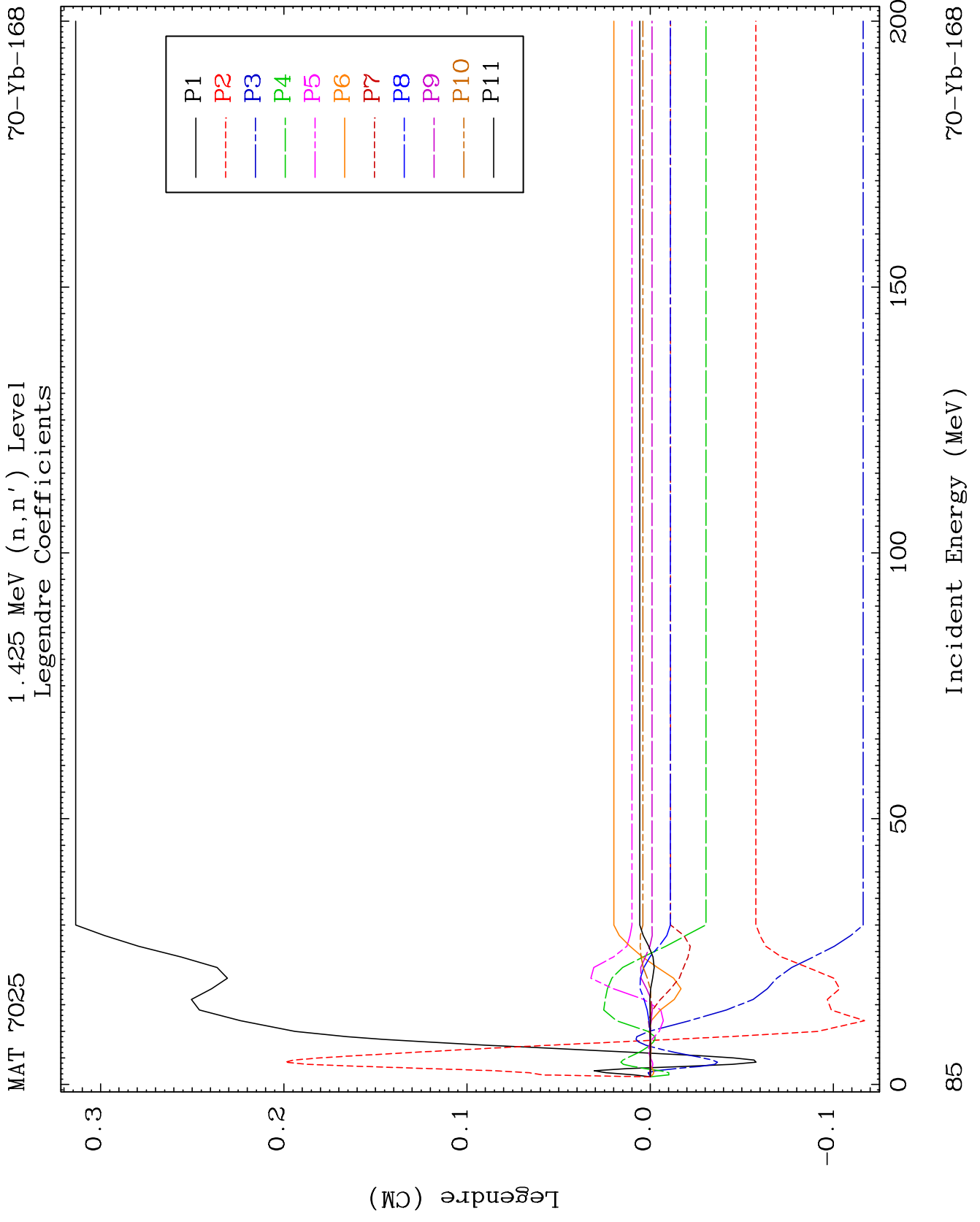


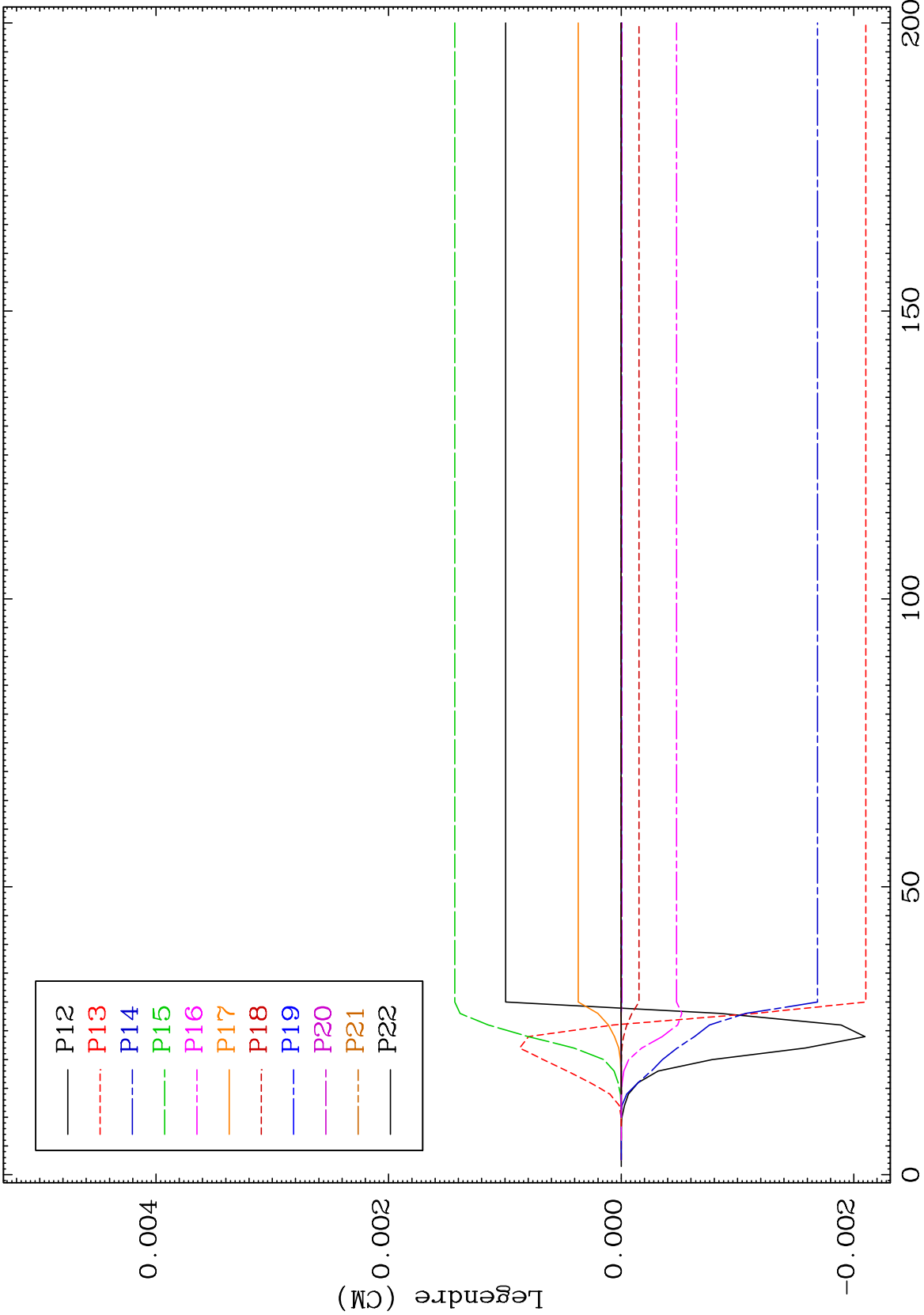
83

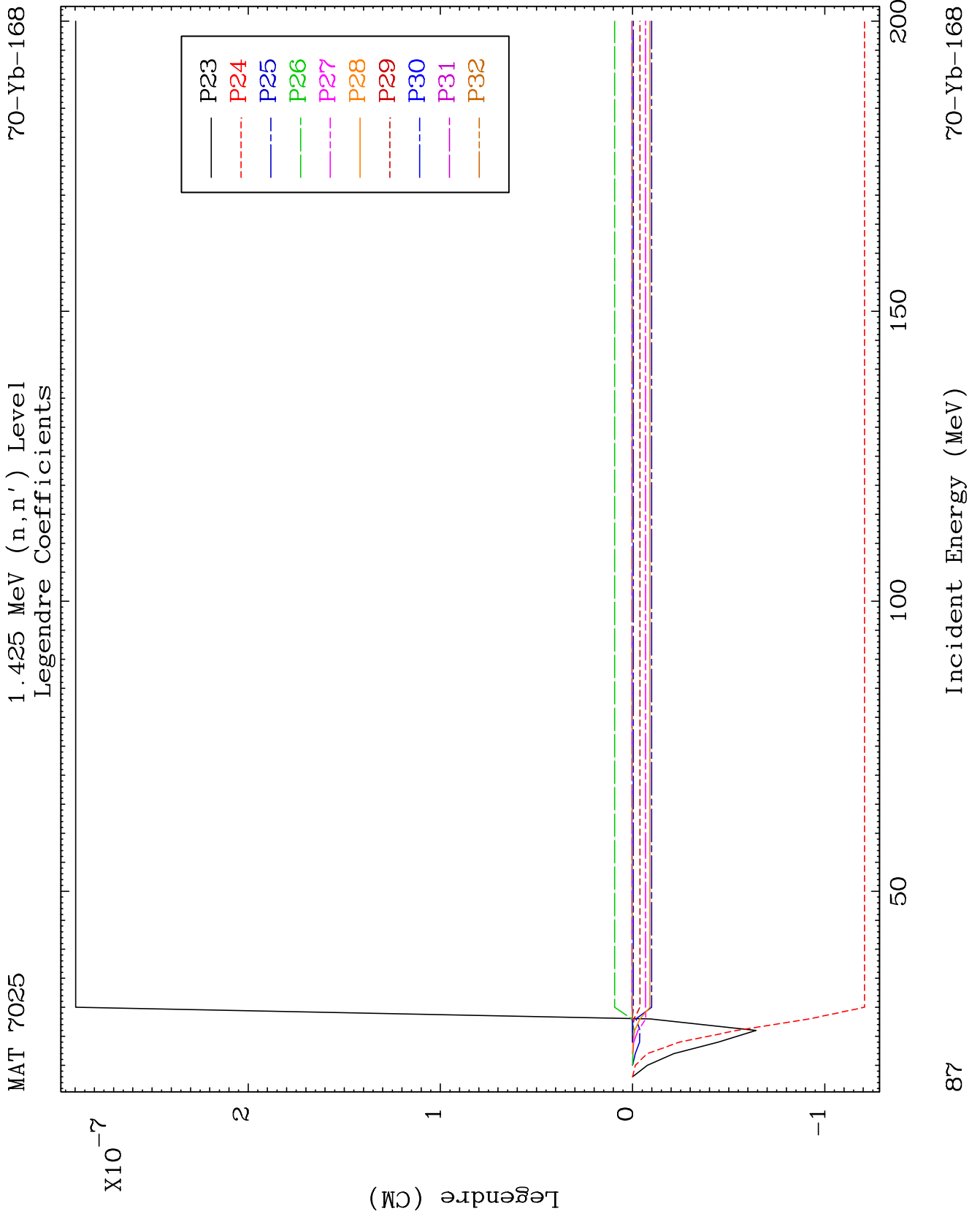
Incident Energy (MeV)

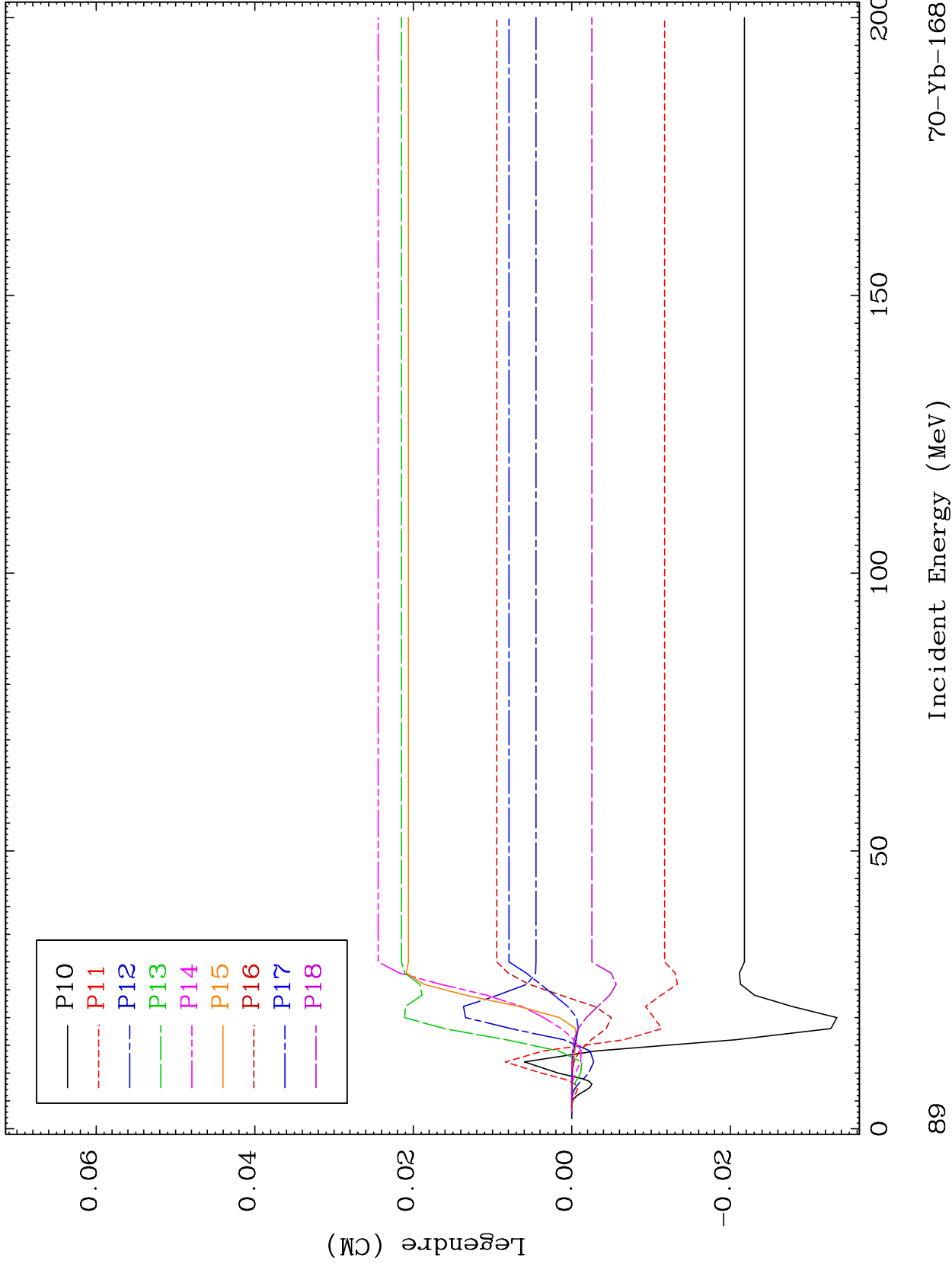
70-Yb-168

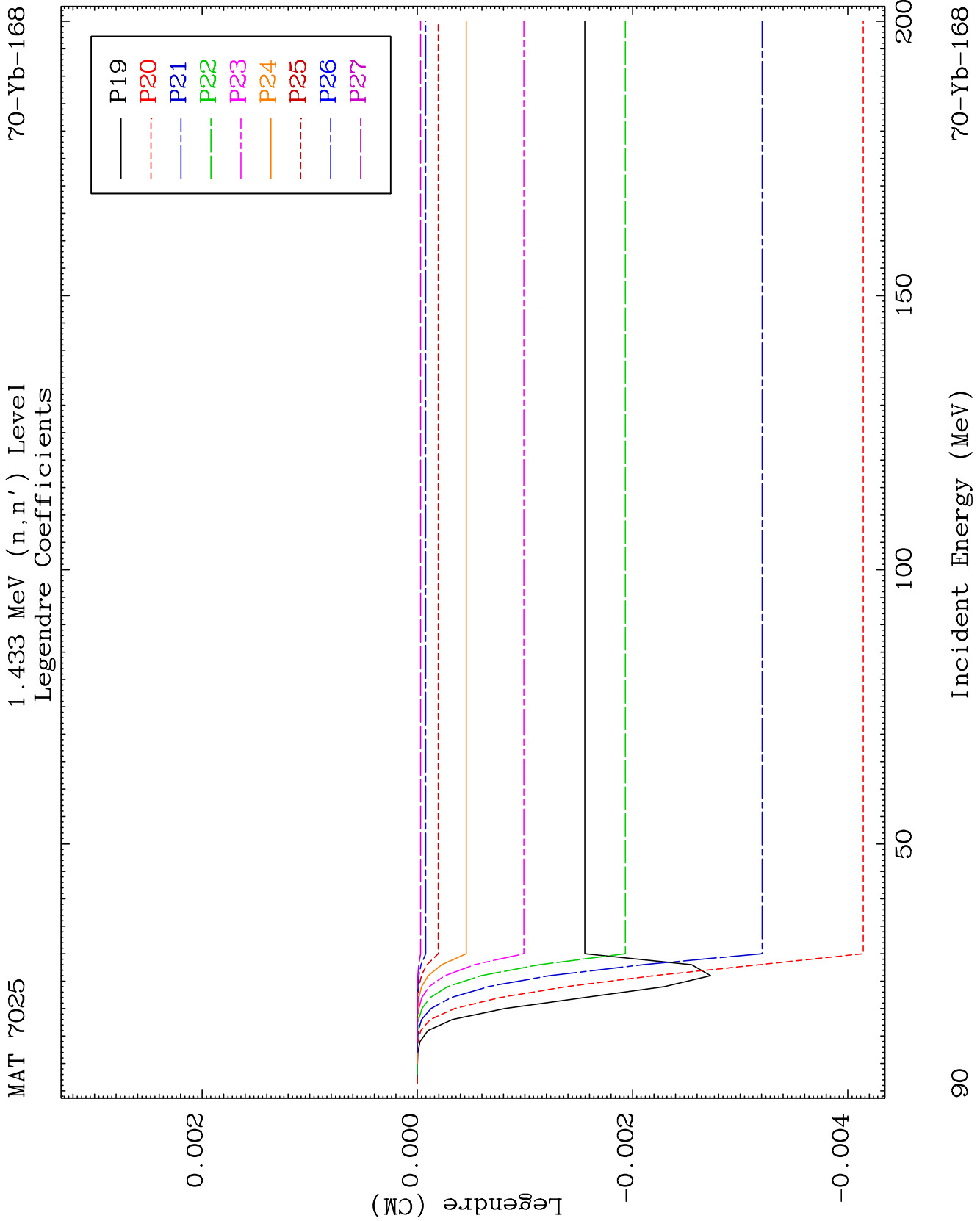


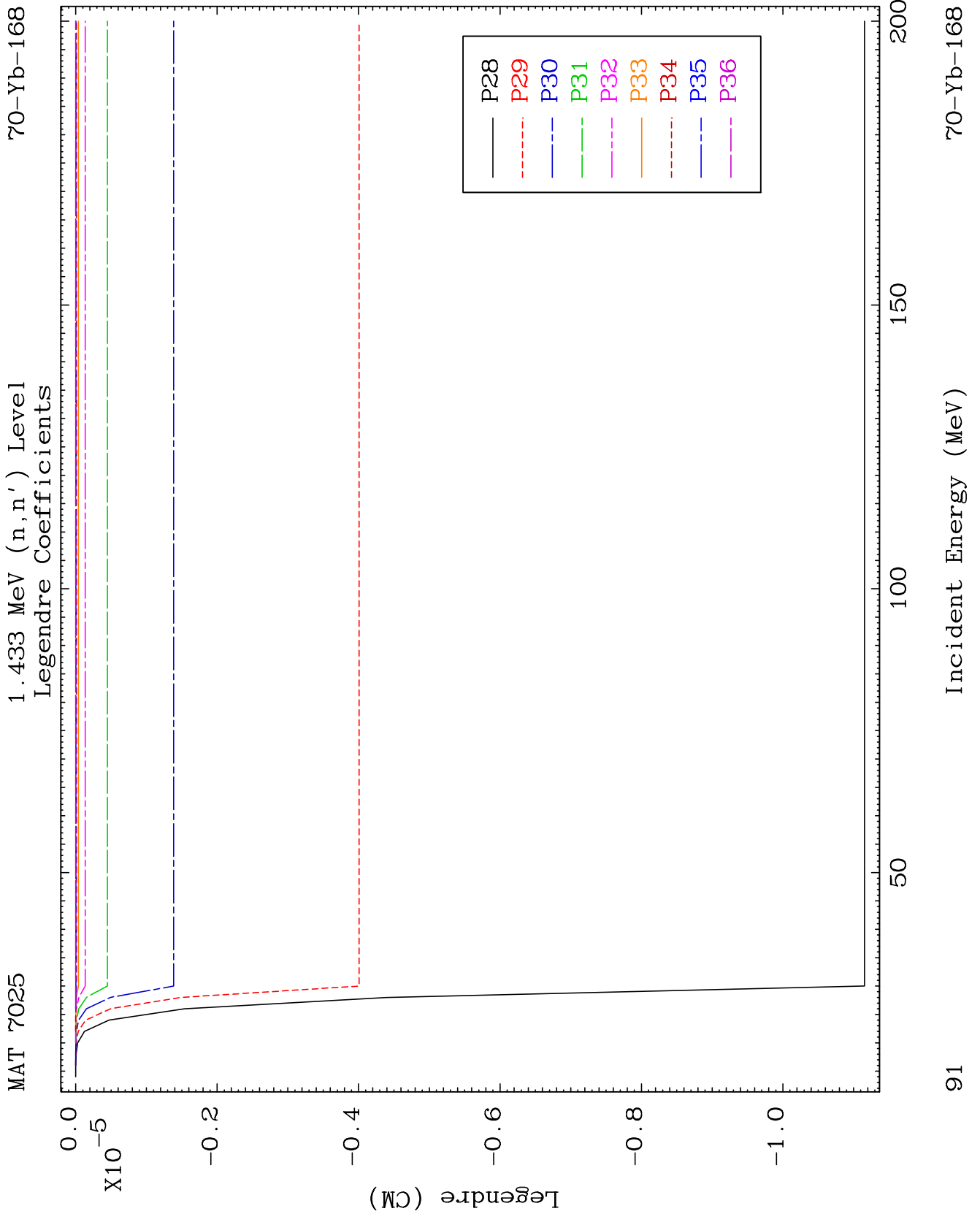


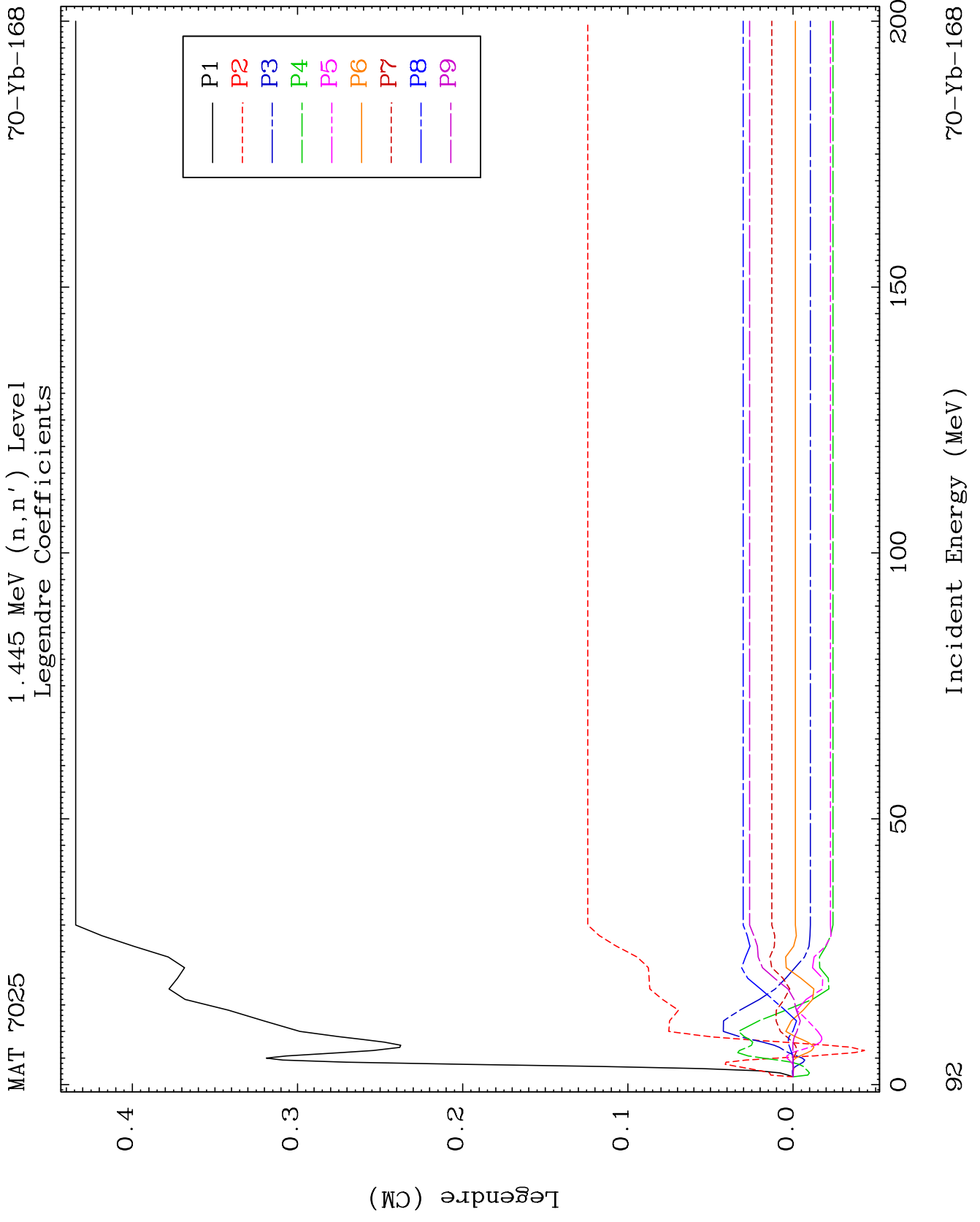








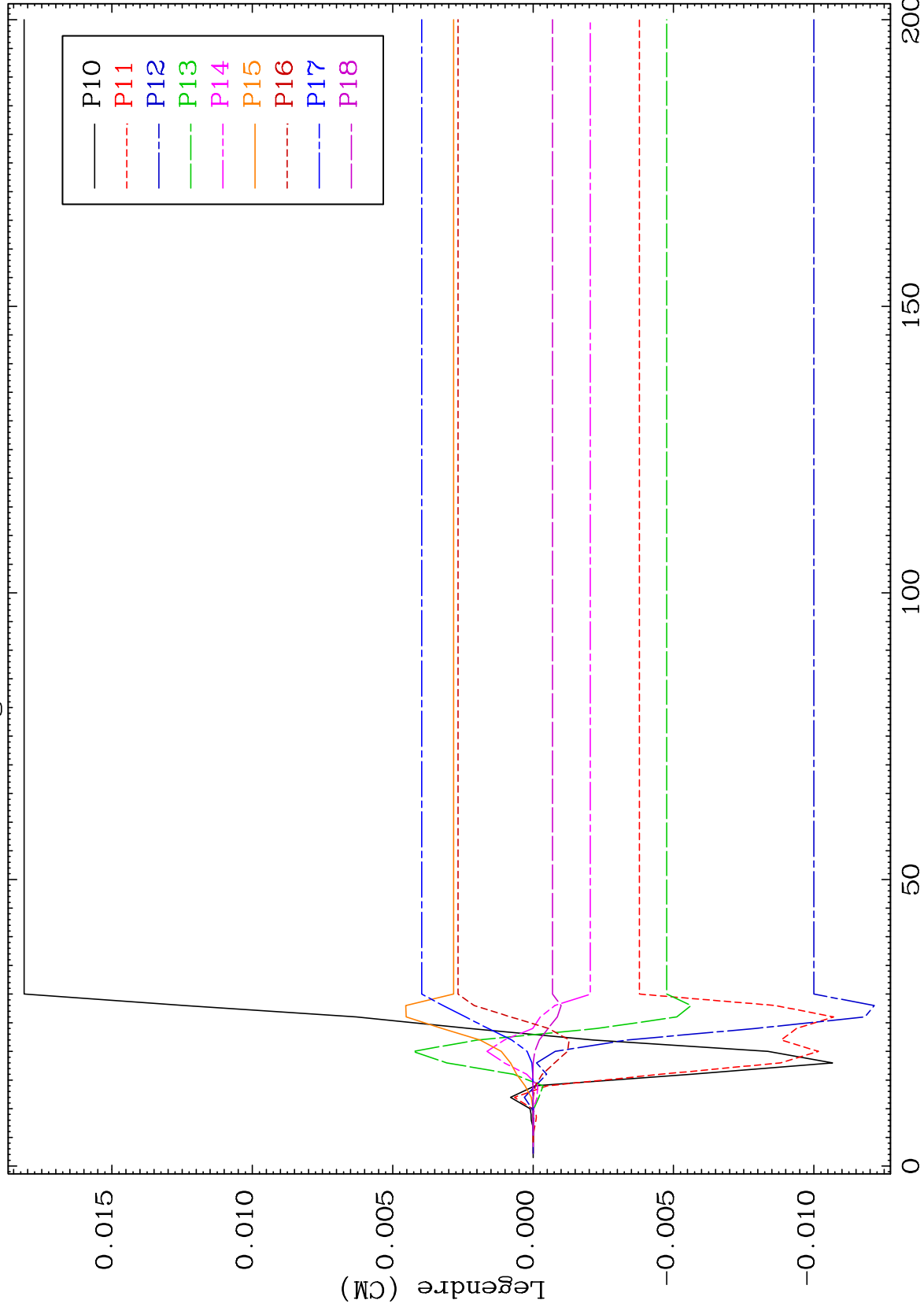




MAT 7025

1.445 MeV (n,n') Level
Legendre Coefficients

70-Yb-168



93

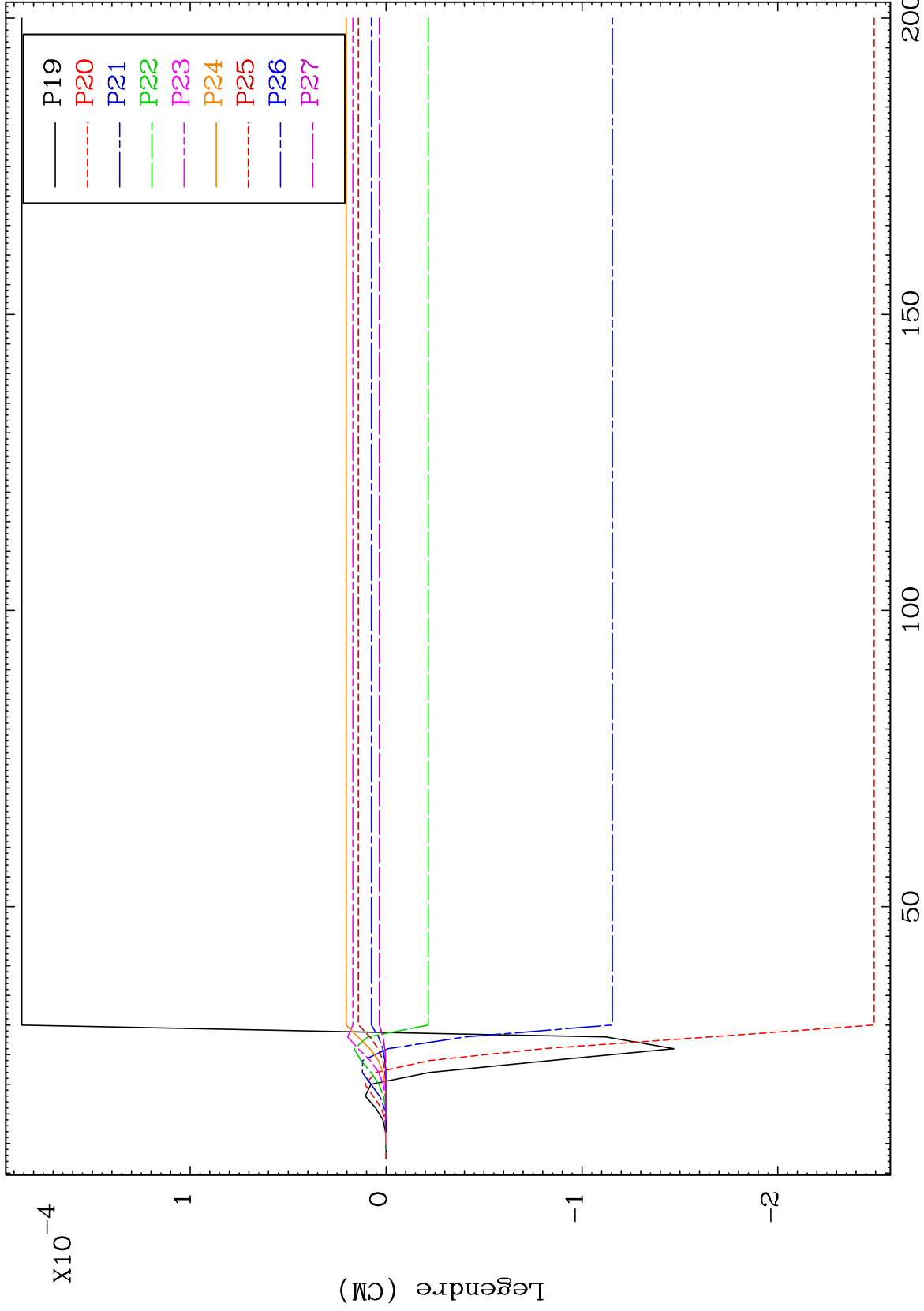
Incident Energy (MeV)

70-Yb-168

MAT 7025

1.445 MeV (n,n') Level
Legendre Coefficients

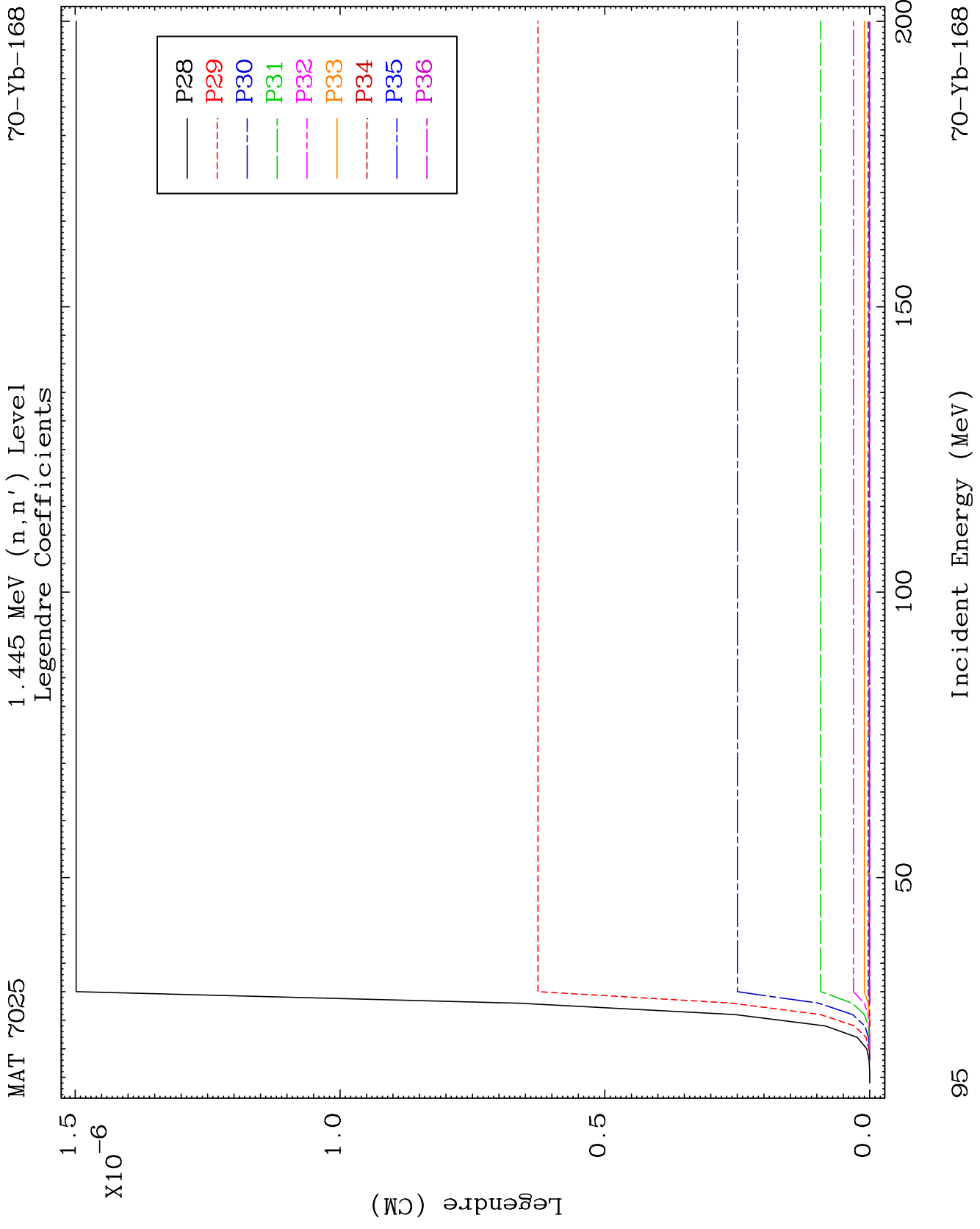
70-Yb-168

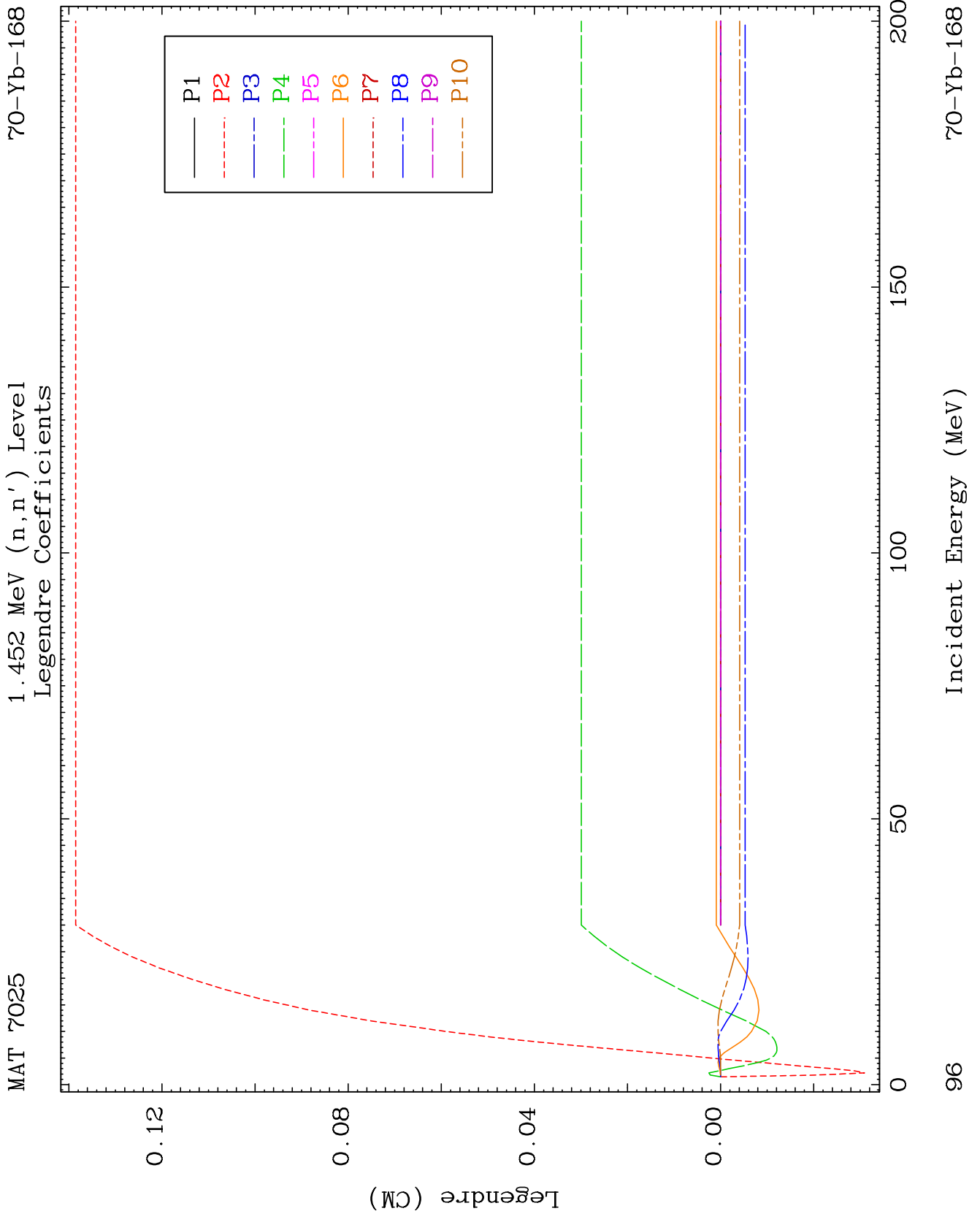


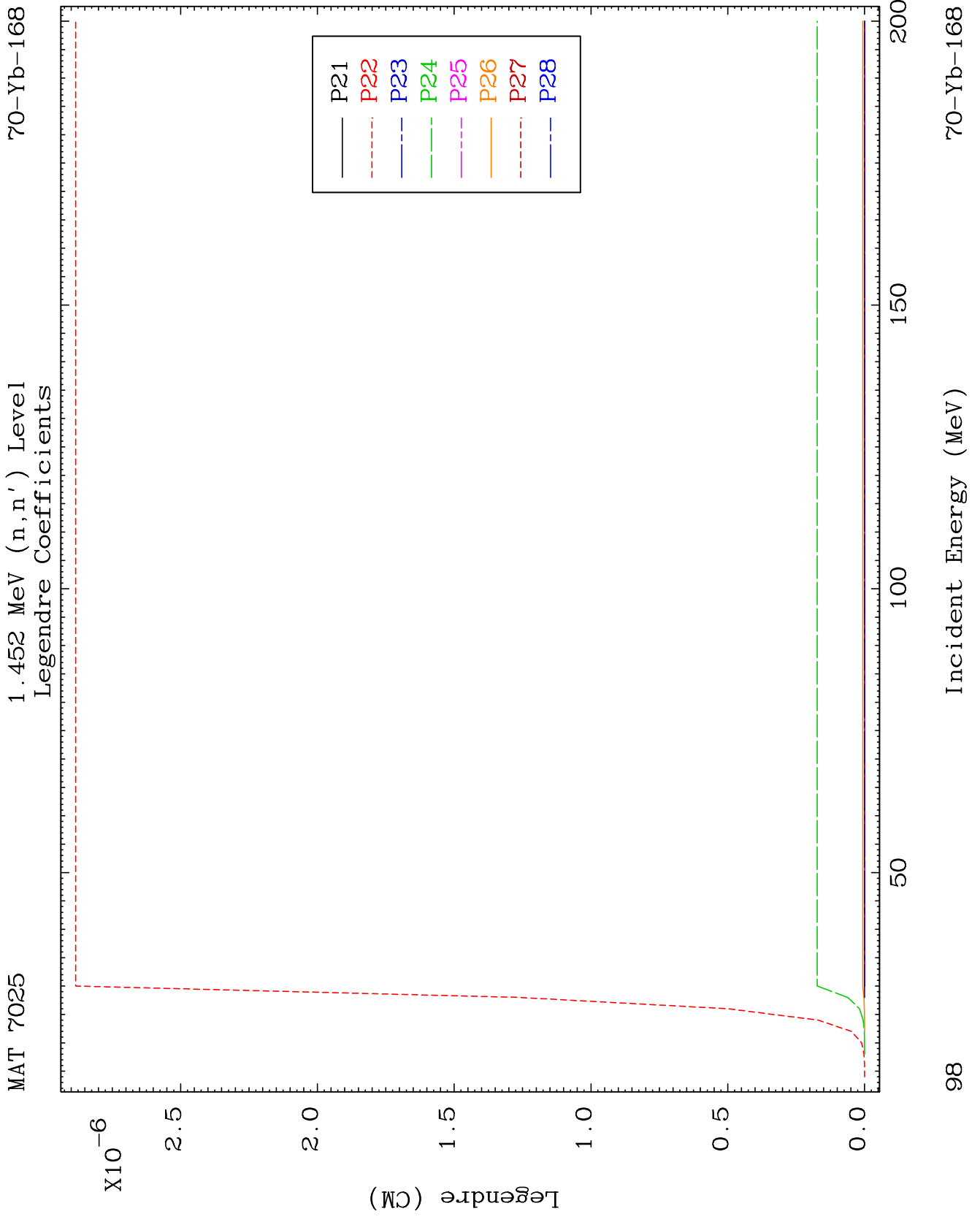
94

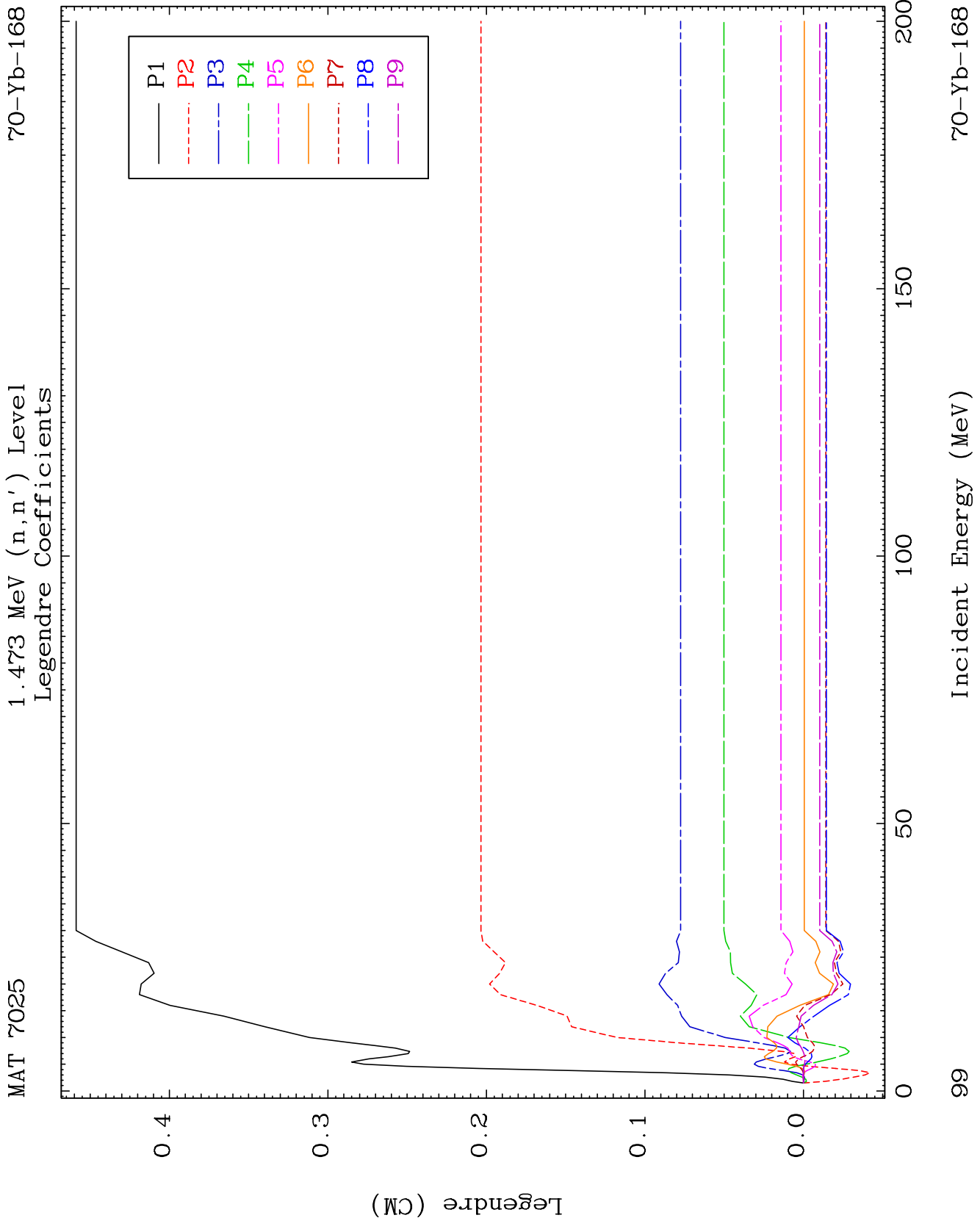
Incident Energy (MeV)

70-Yb-168





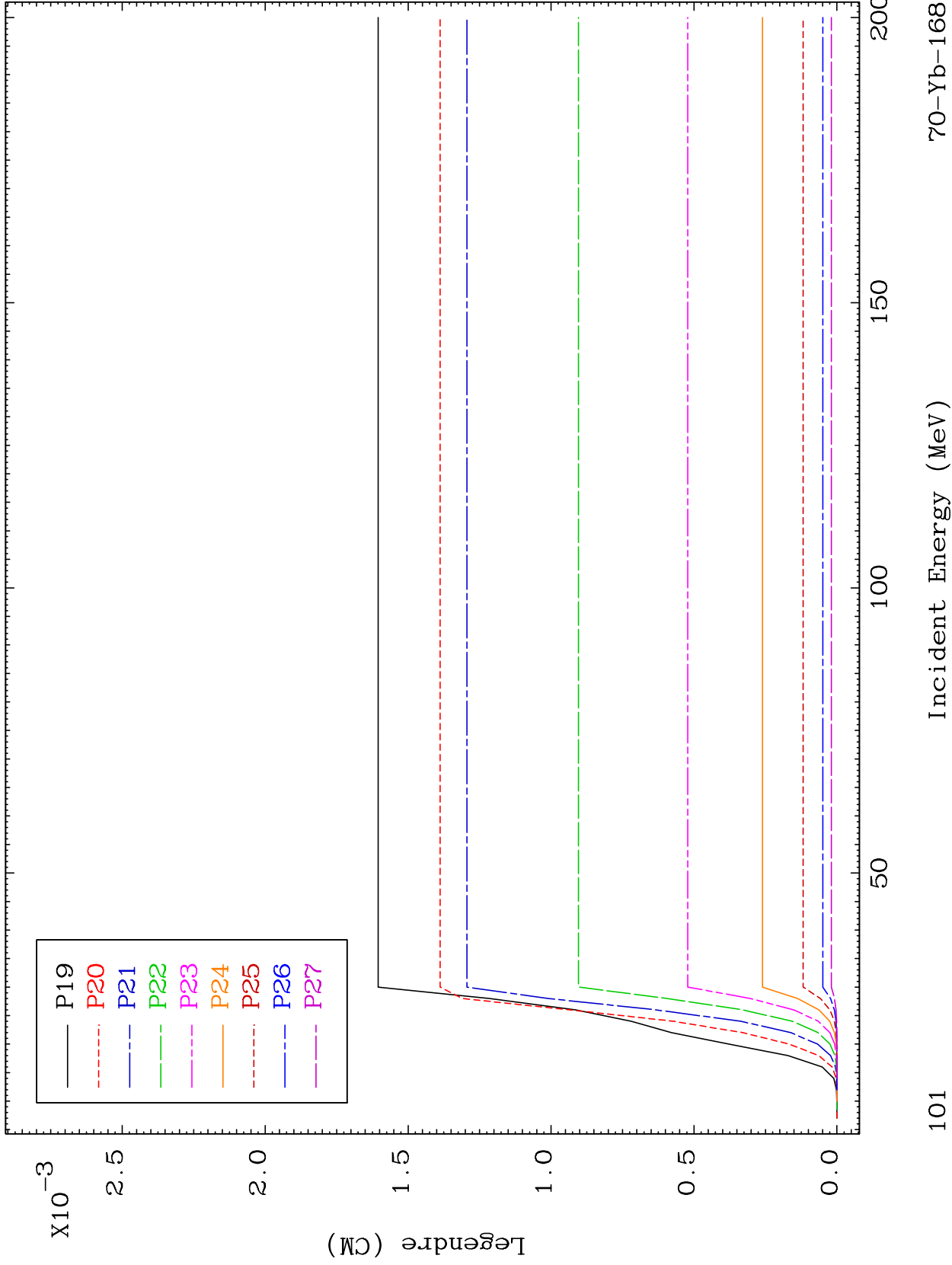




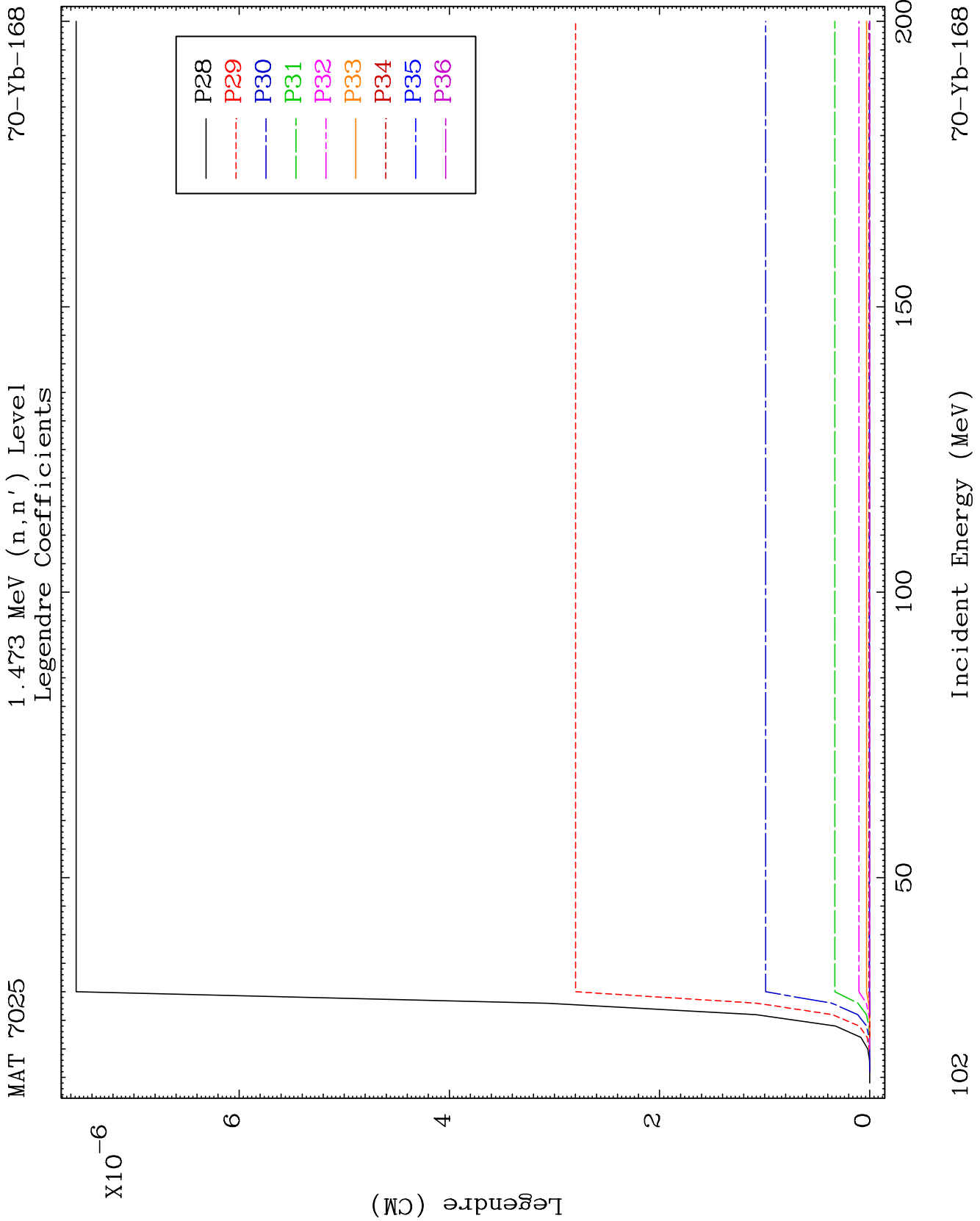
MAT 7025

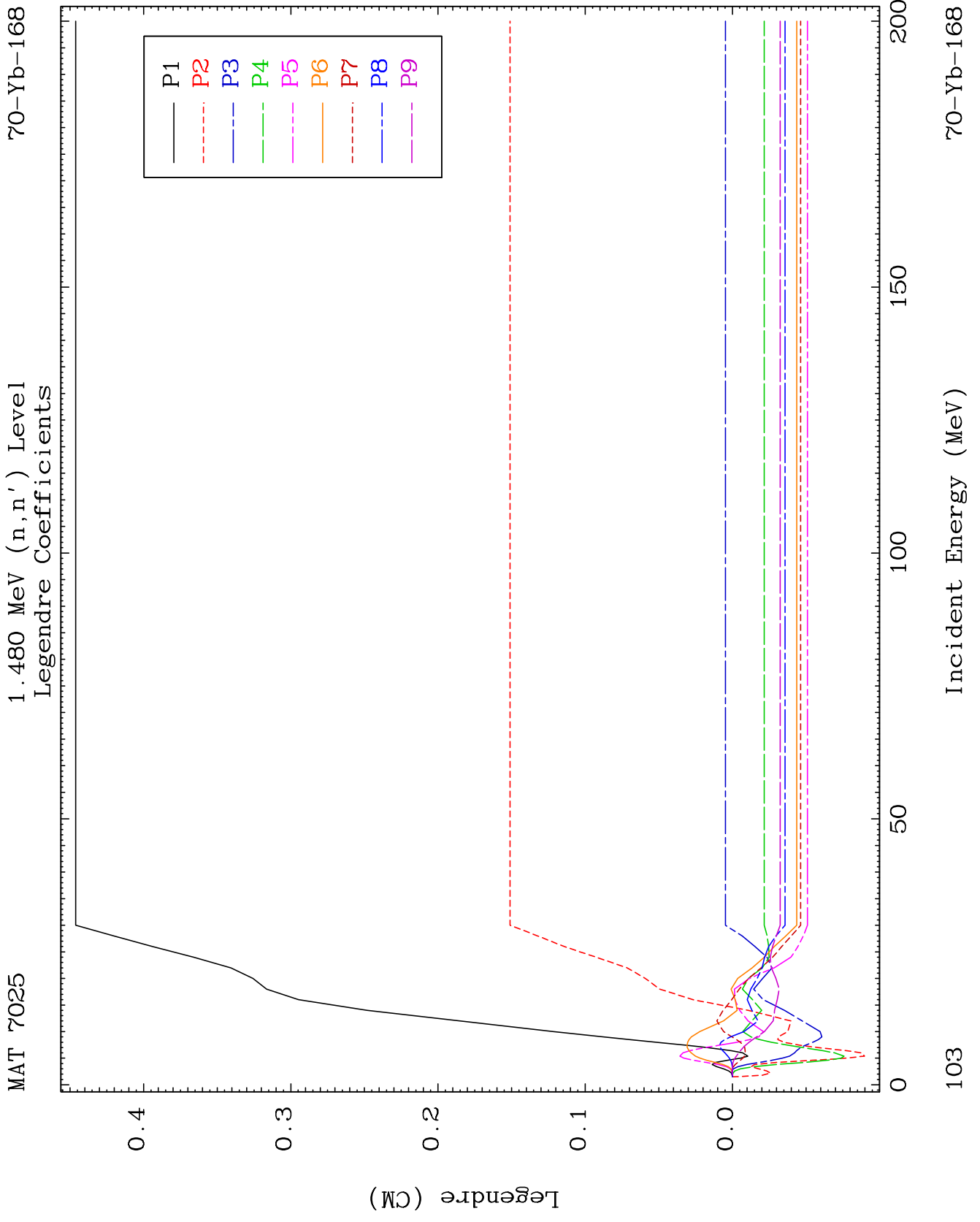
1.473 MeV (n,n') Level
Legendre Coefficients

70-Yb-168



101

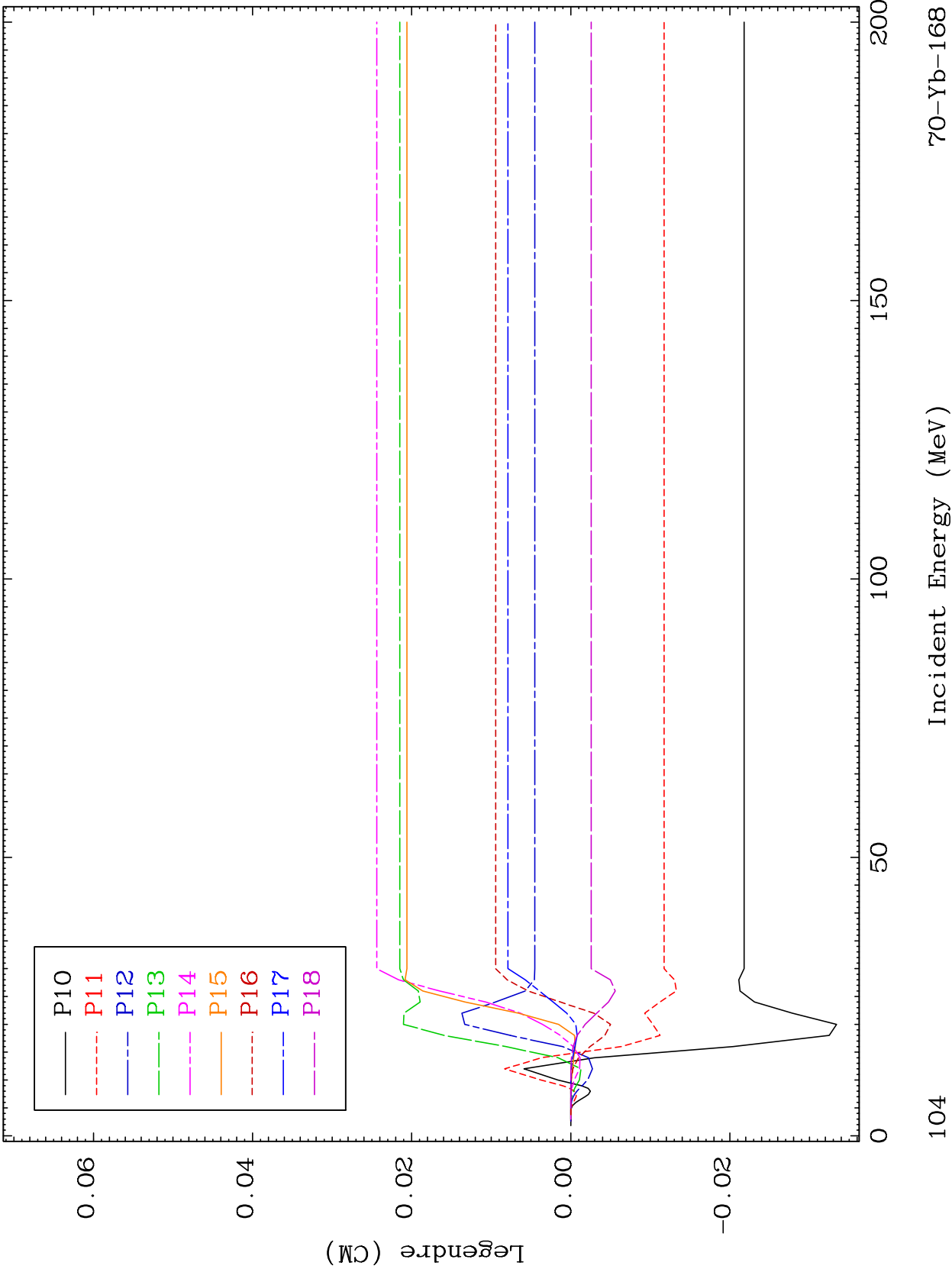




MAT 7025

1.480 MeV (n, n') Level
Legendre Coefficients

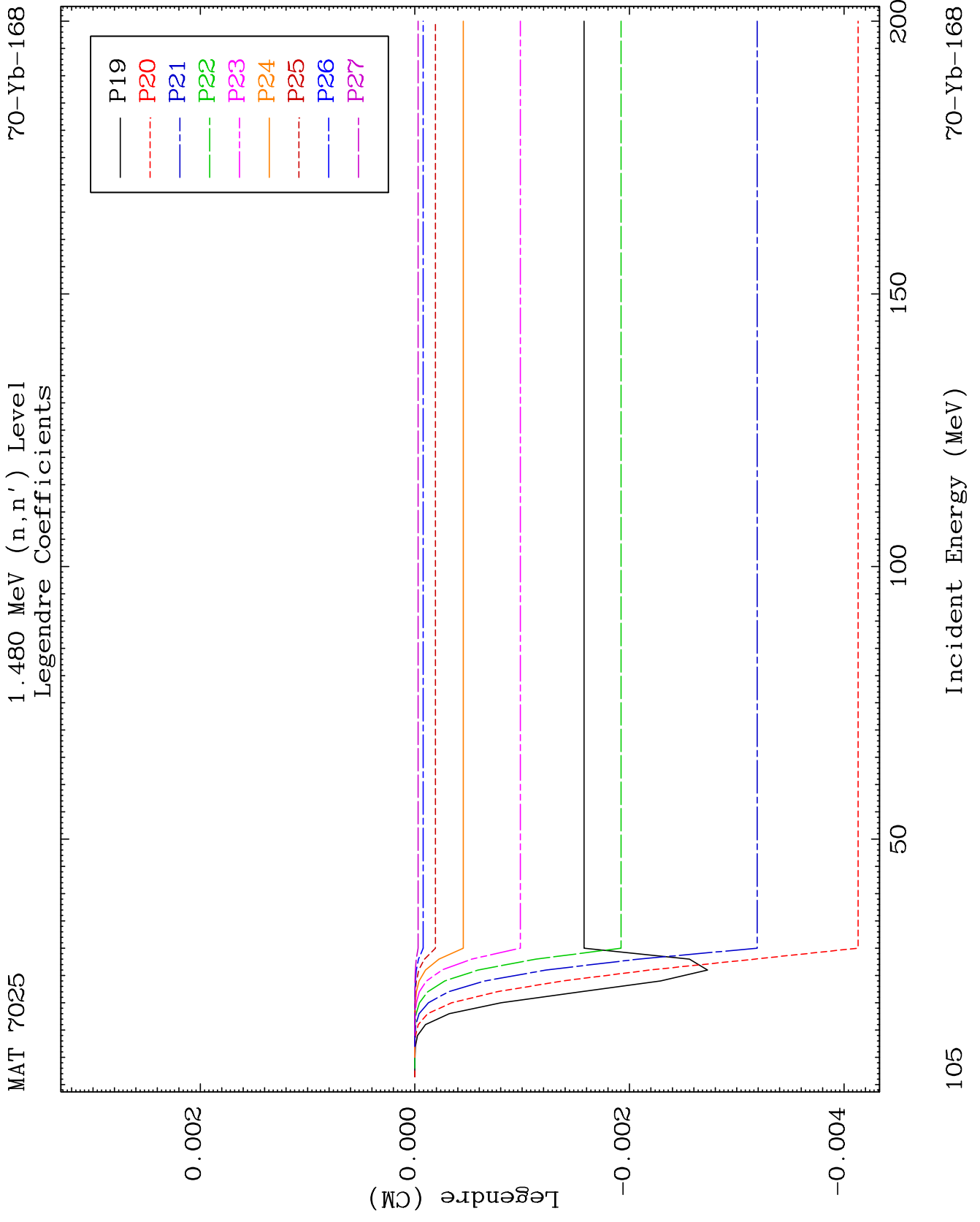
70-Yb-168

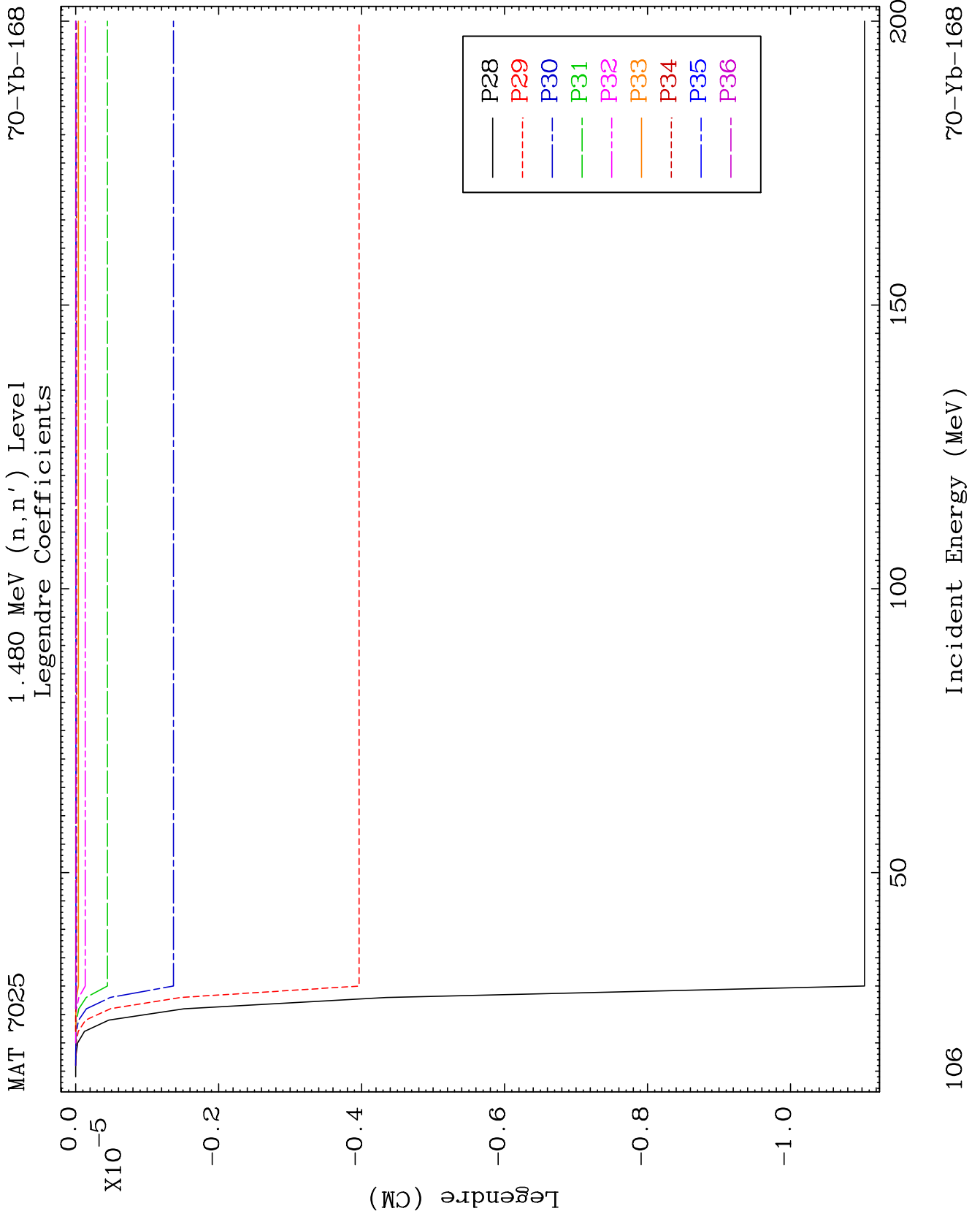


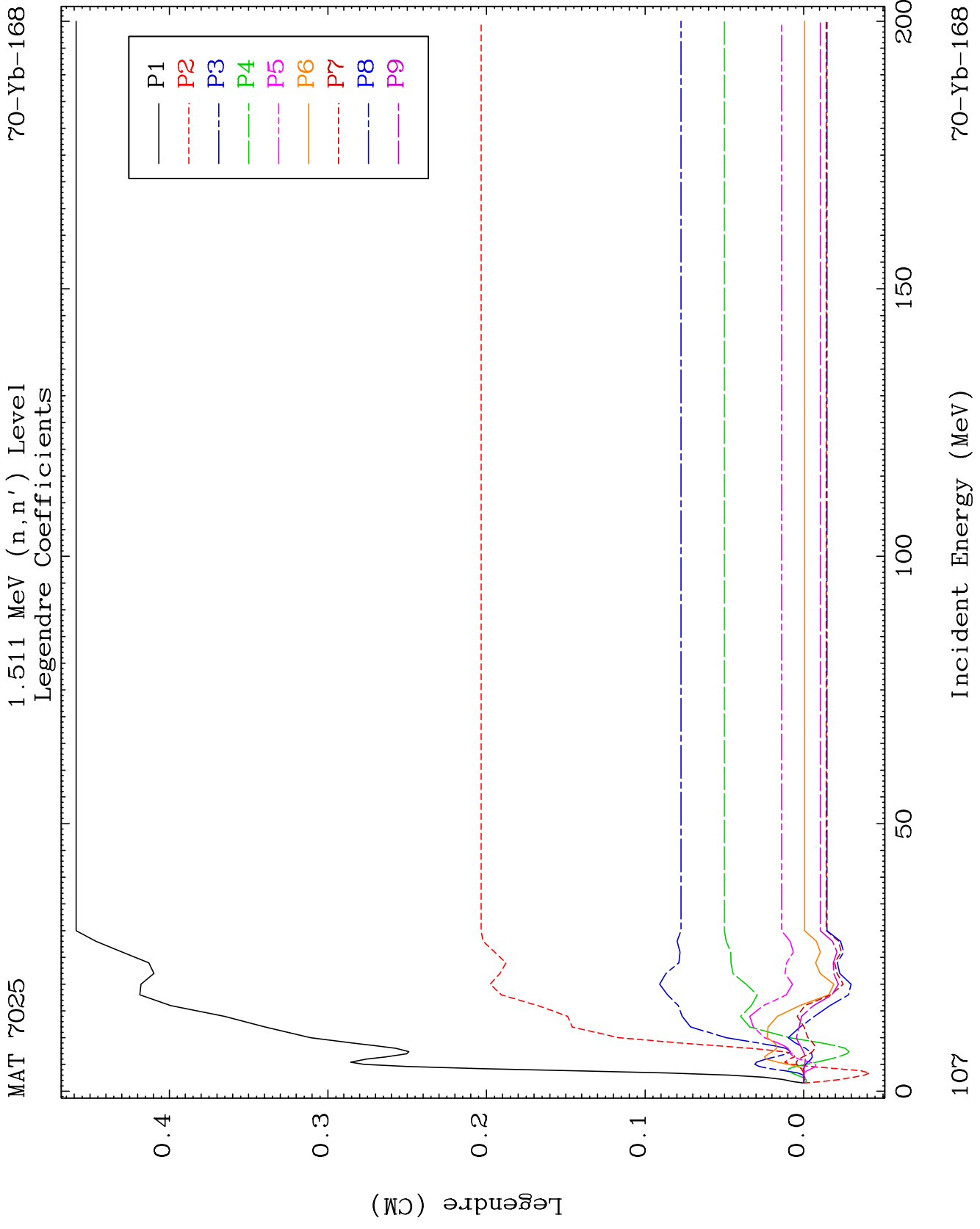
104

Incident Energy (MeV)

70-Yb-168



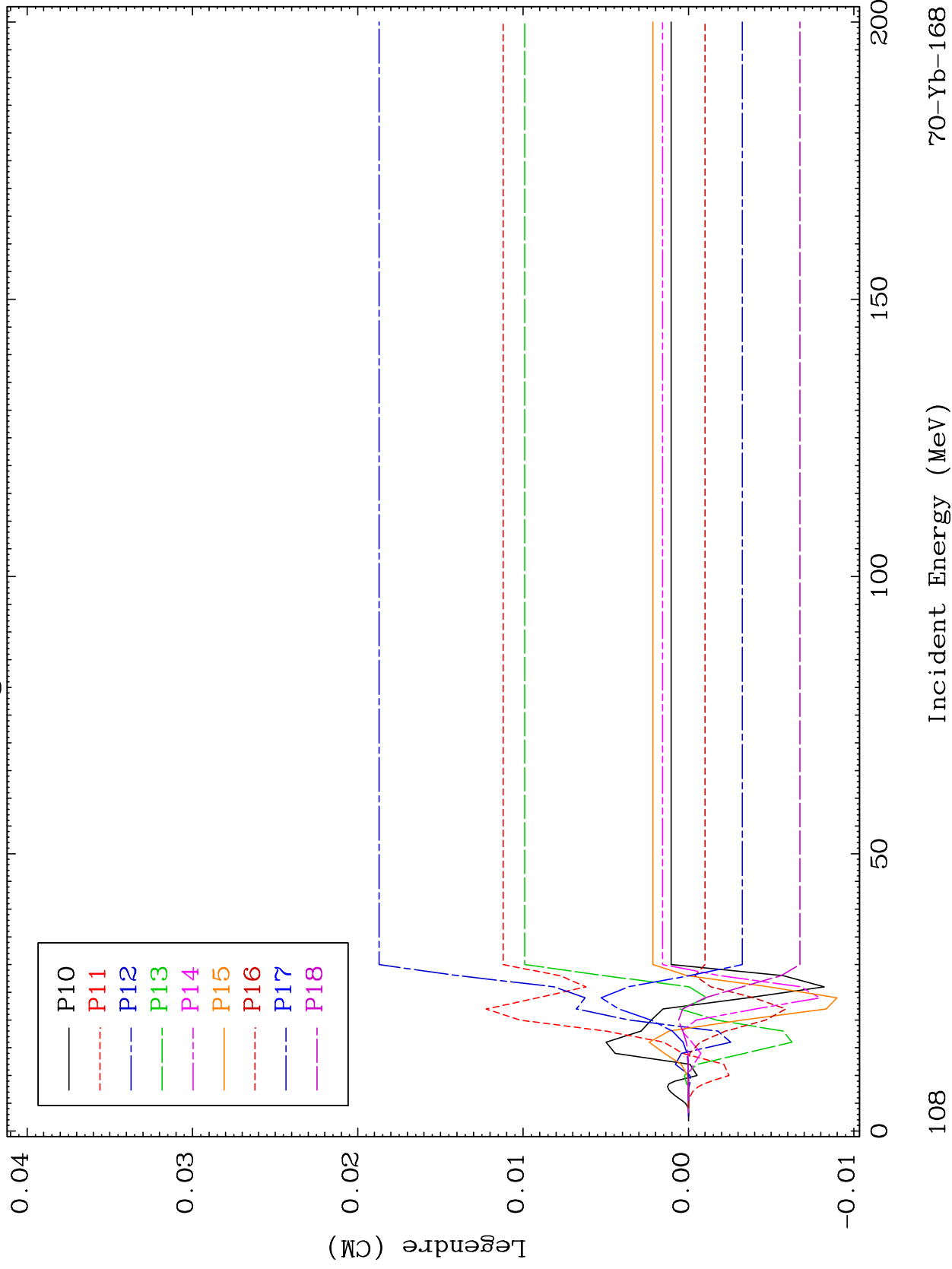




MAT 7025

1.511 MeV (n, n') Level
Legendre Coefficients

70-Yb-168



108

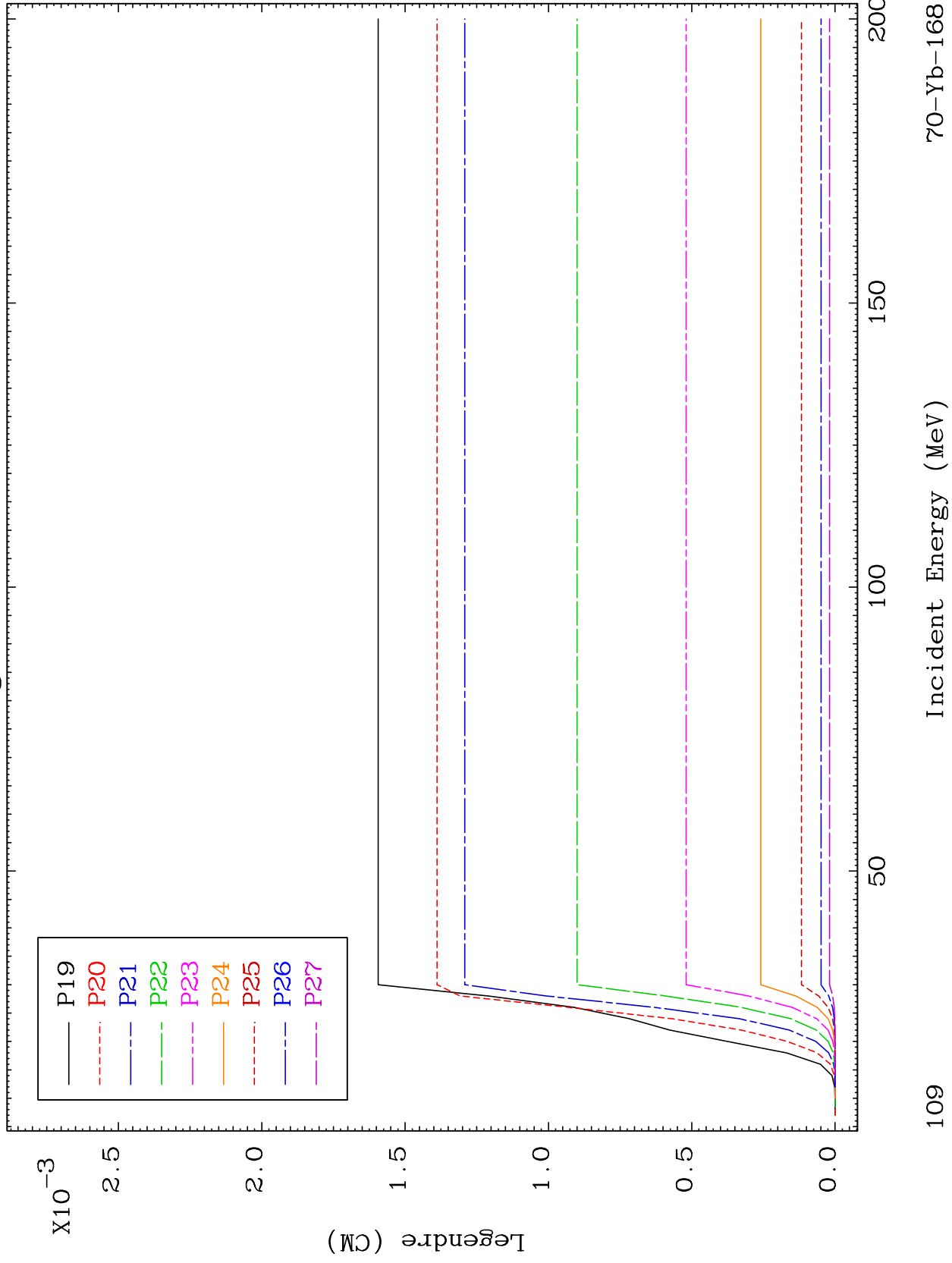
Incident Energy (MeV)

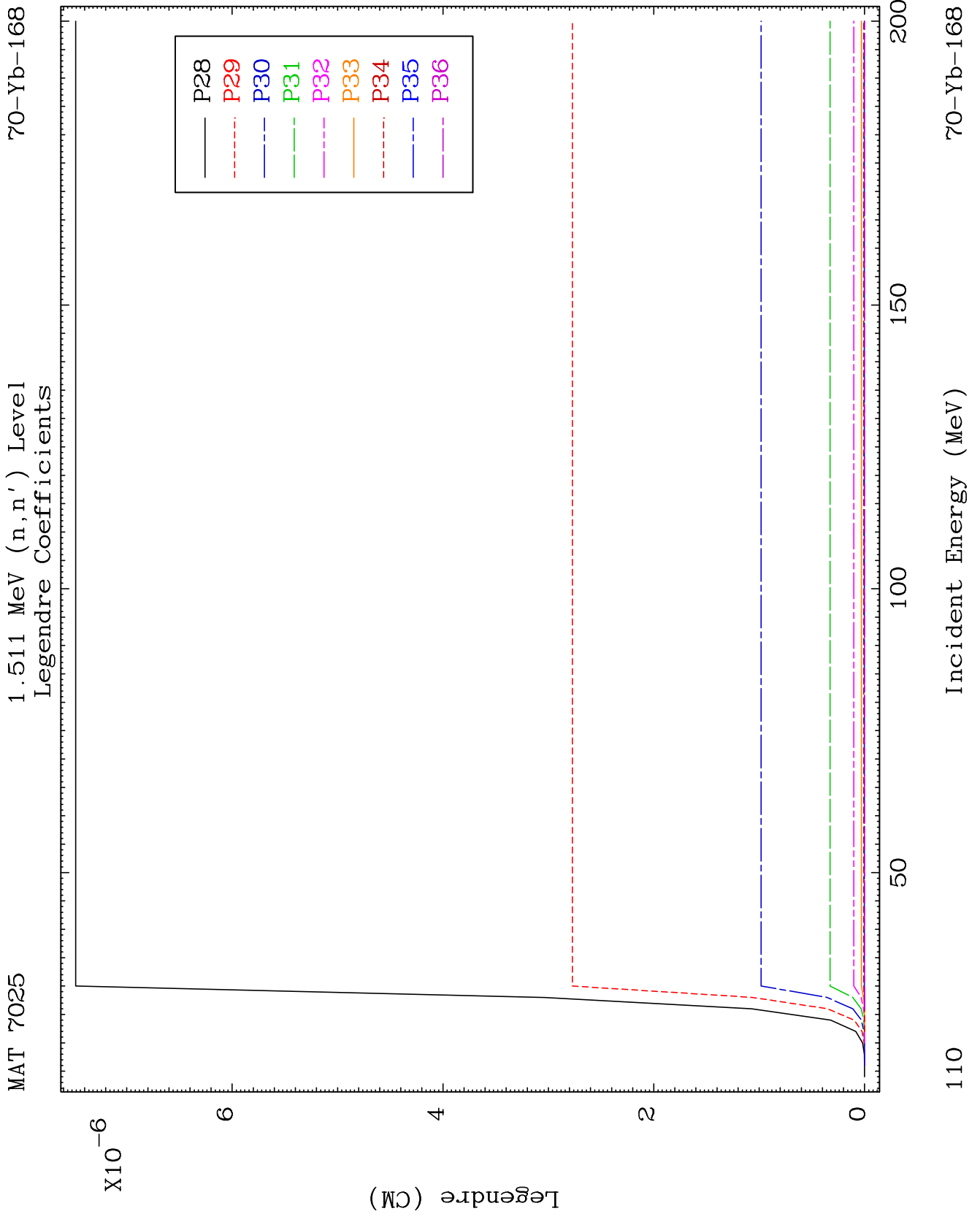
70-Yb-168

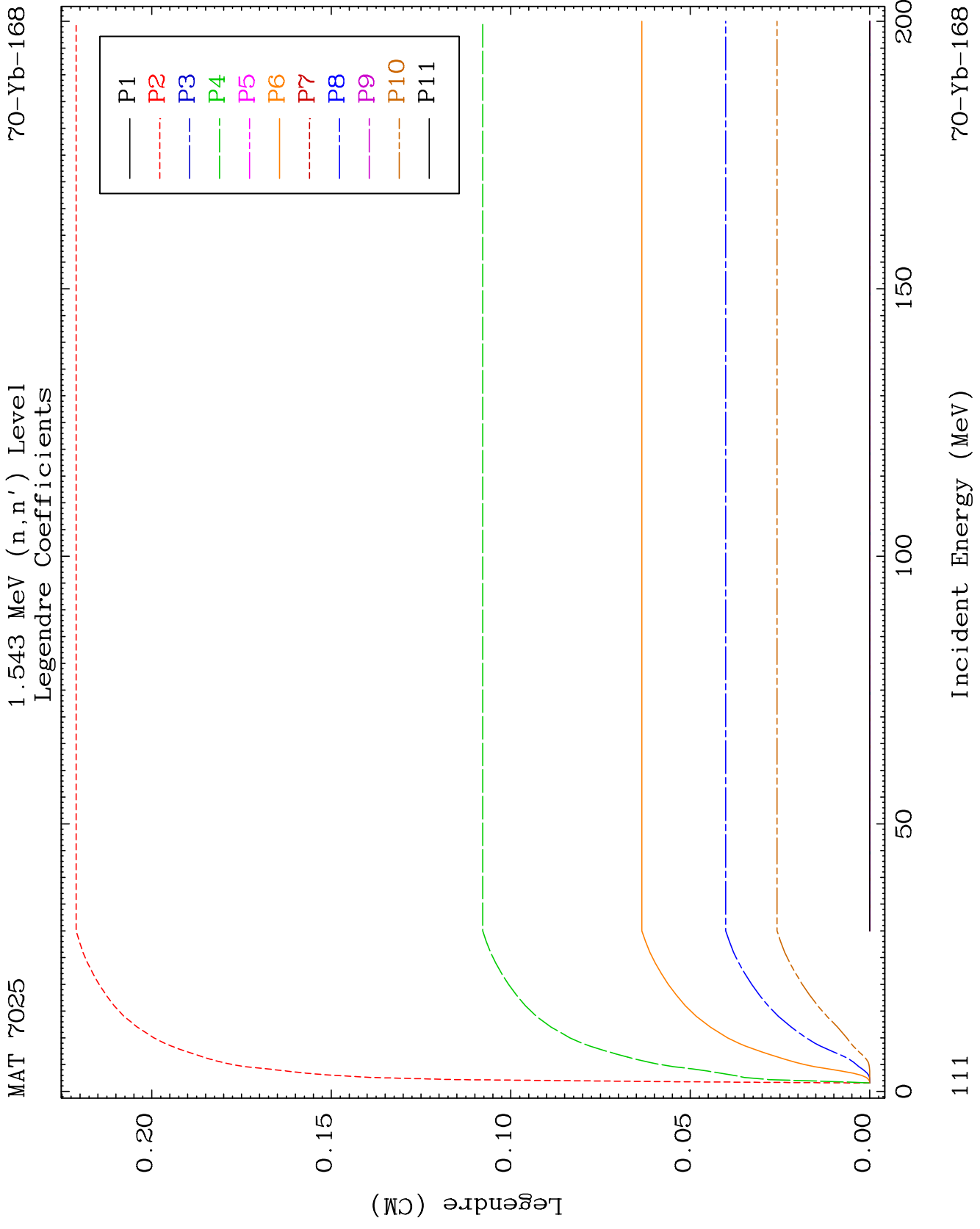
MAT 7025

1.511 MeV (n, n') Level
Legendre Coefficients

70-Yb-168



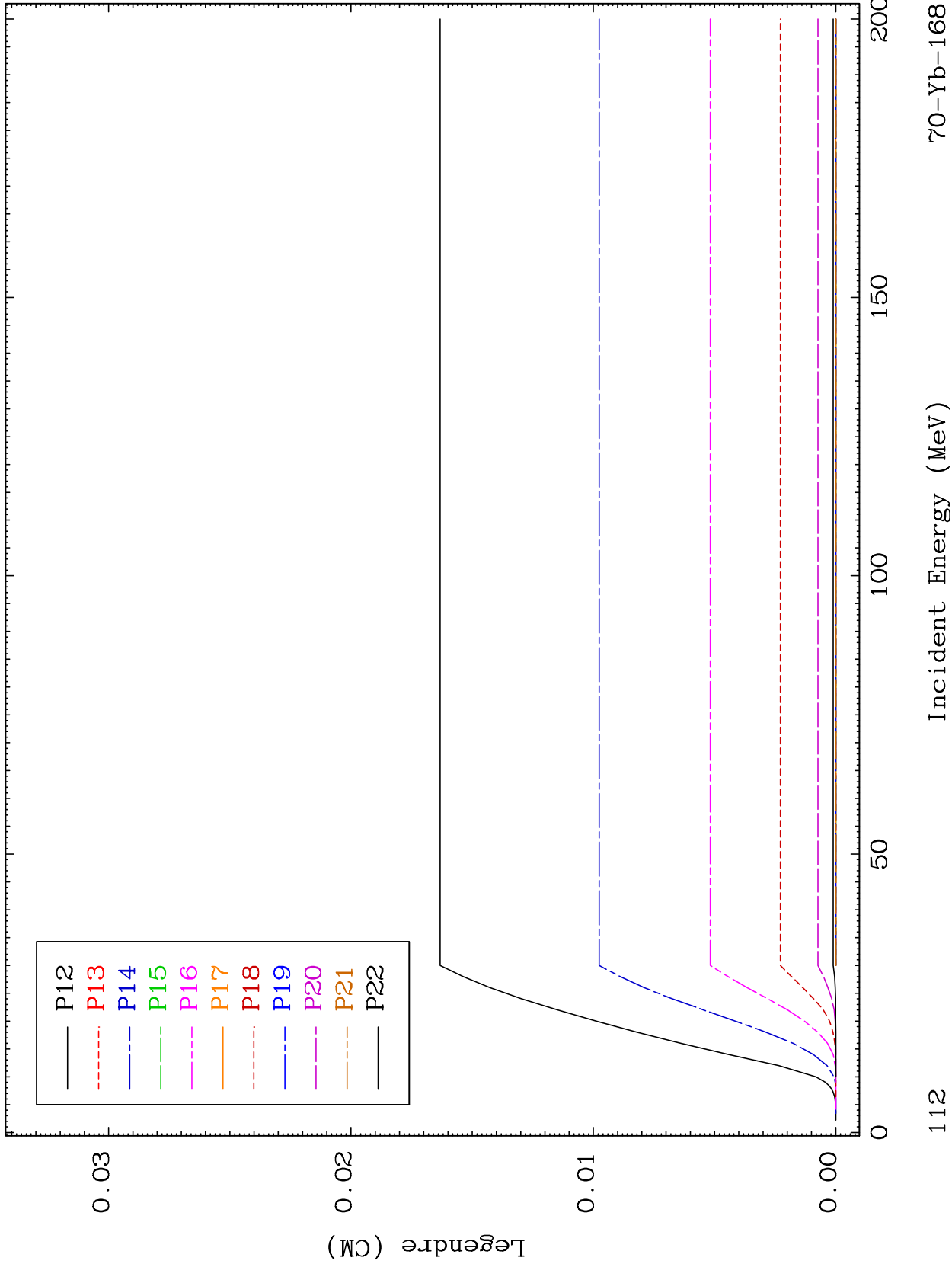




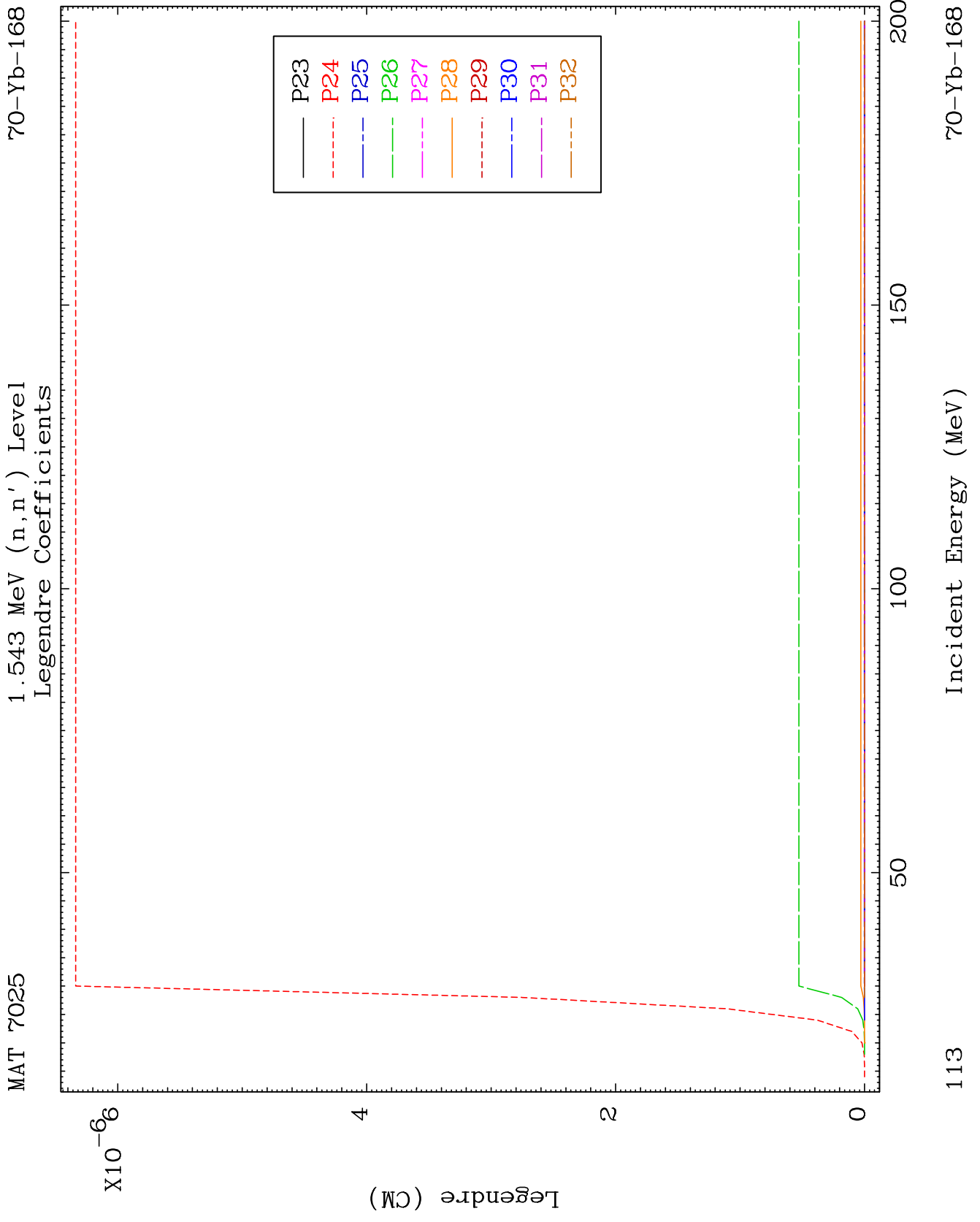
MAT 7025

1.543 MeV (n, n') Level
Legendre Coefficients

70-Yb-168



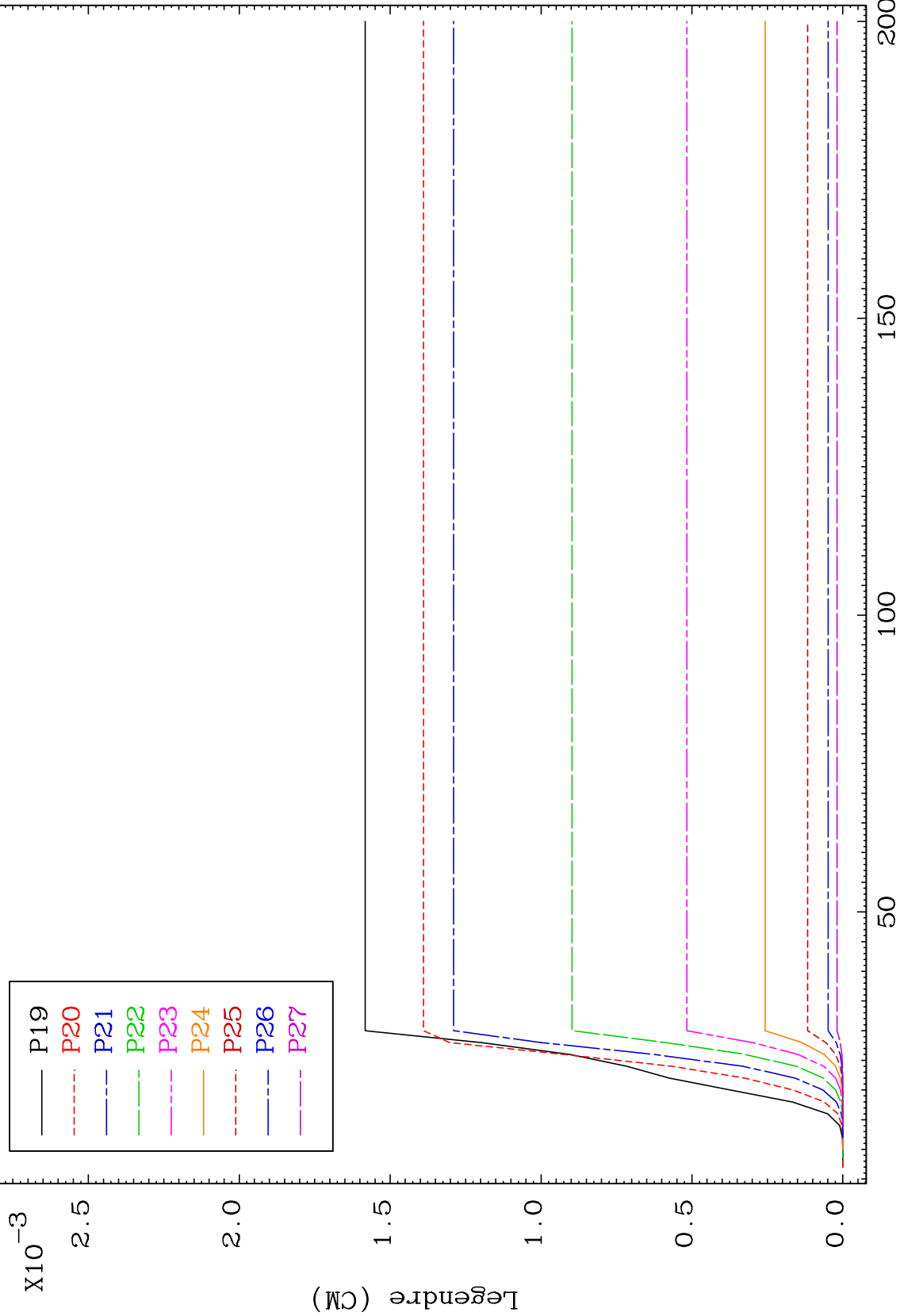
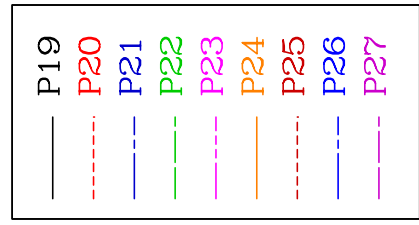
112



MAT 7025

1.551 MeV (n,n') Level
Legendre Coefficients

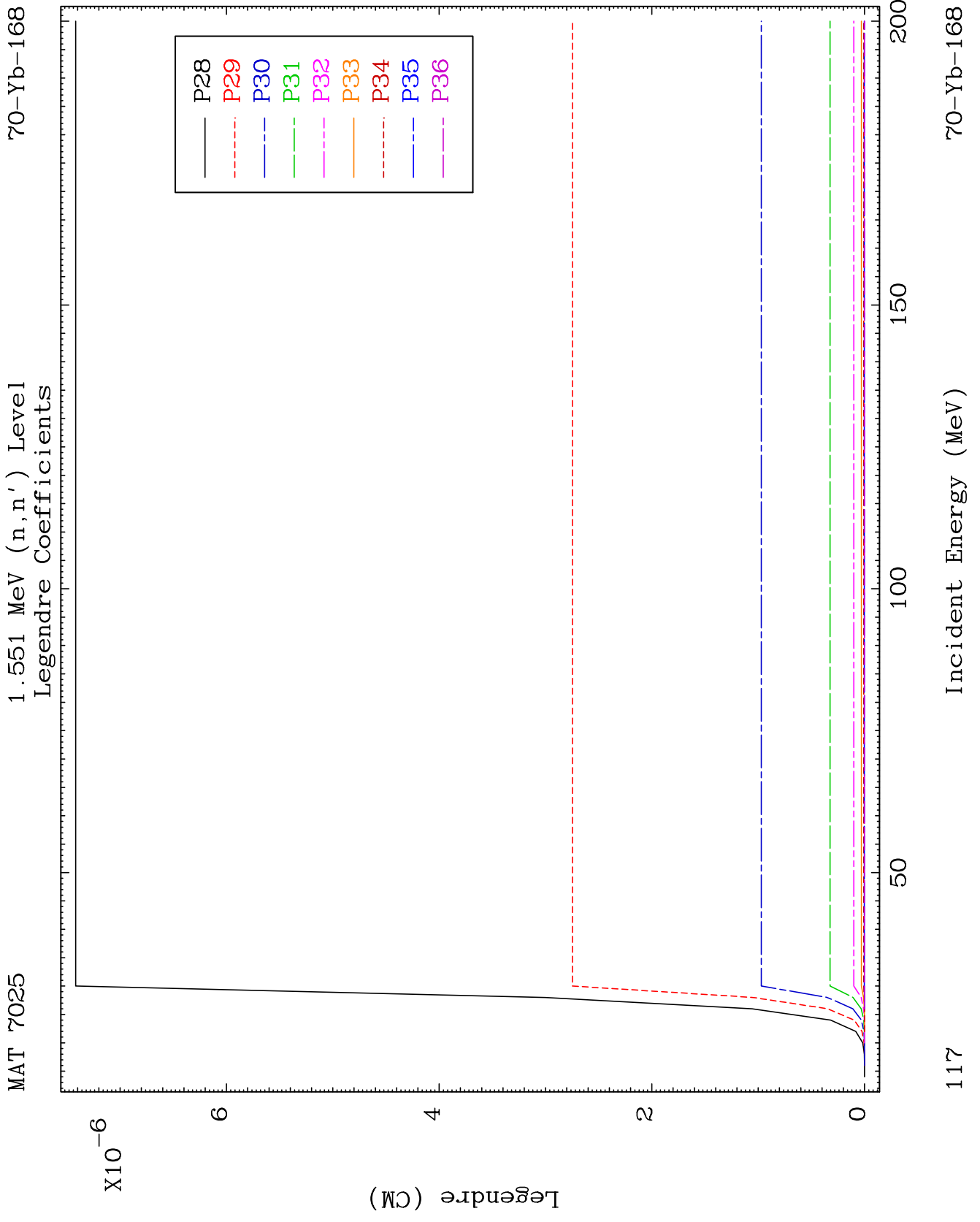
70-Yb-168

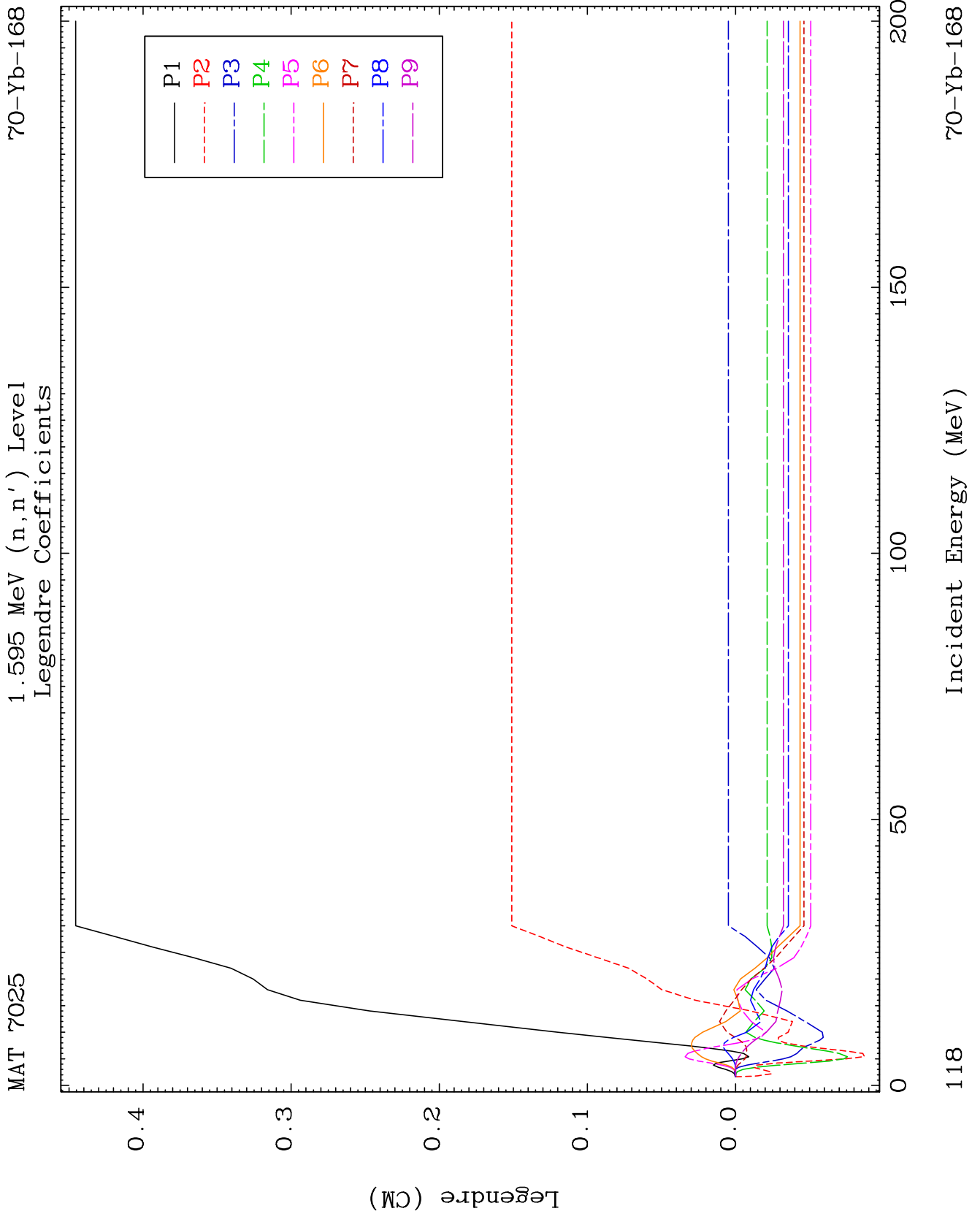


116

Incident Energy (MeV)

70-Yb-168

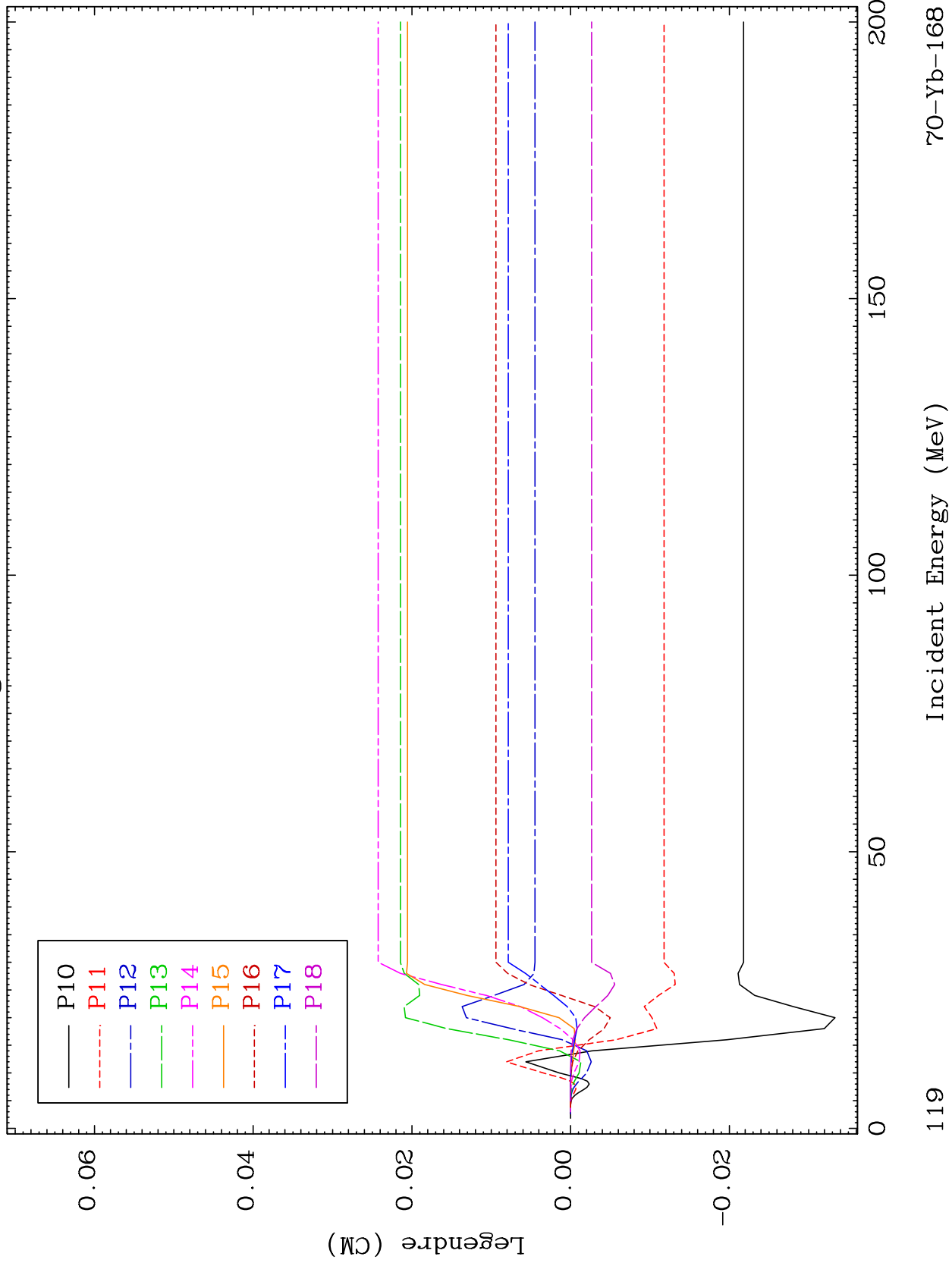




MAT 7025

1.595 MeV (n,n') Level
Legendre Coefficients

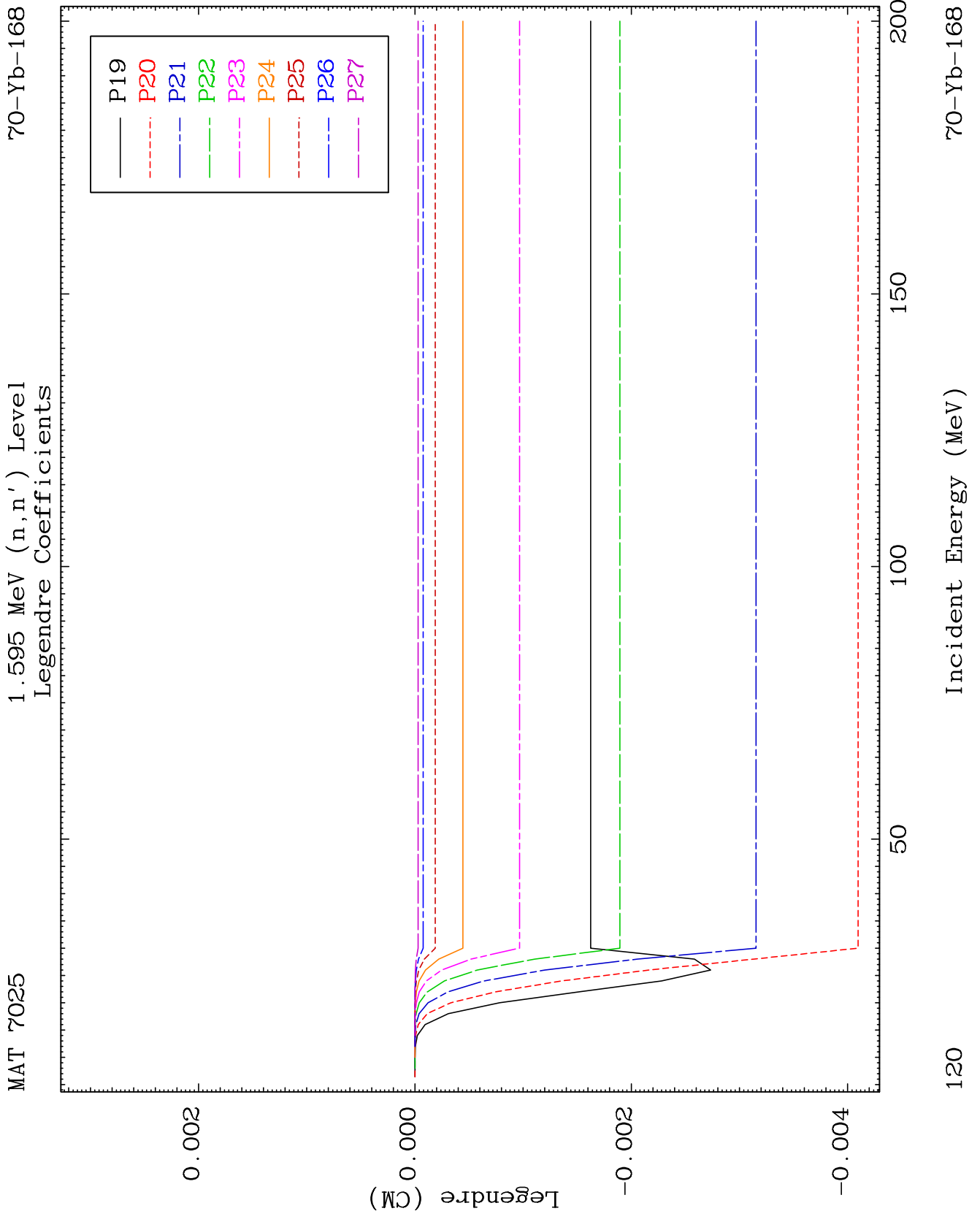
70-Yb-168

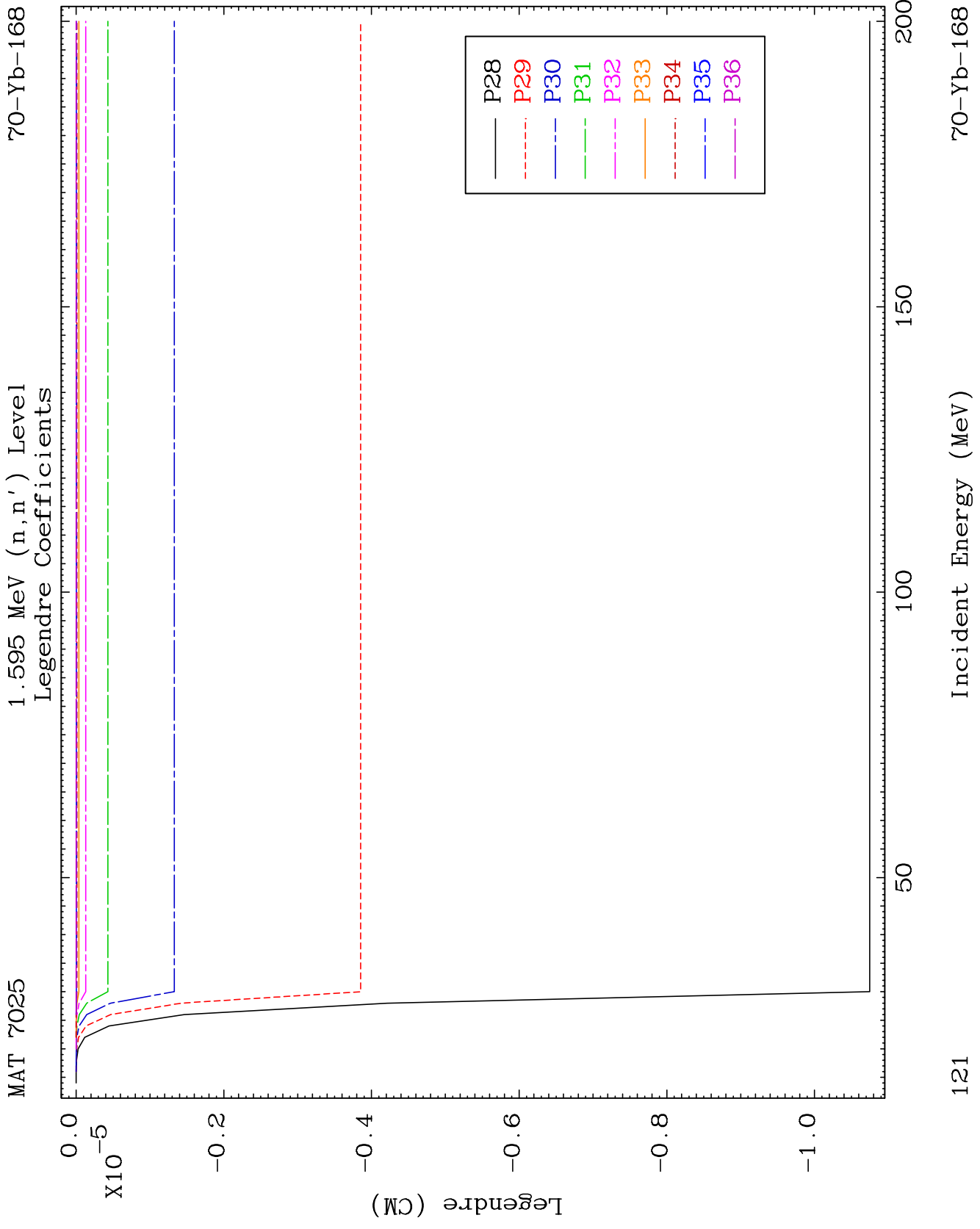


119

Incident Energy (MeV)

70-Yb-168

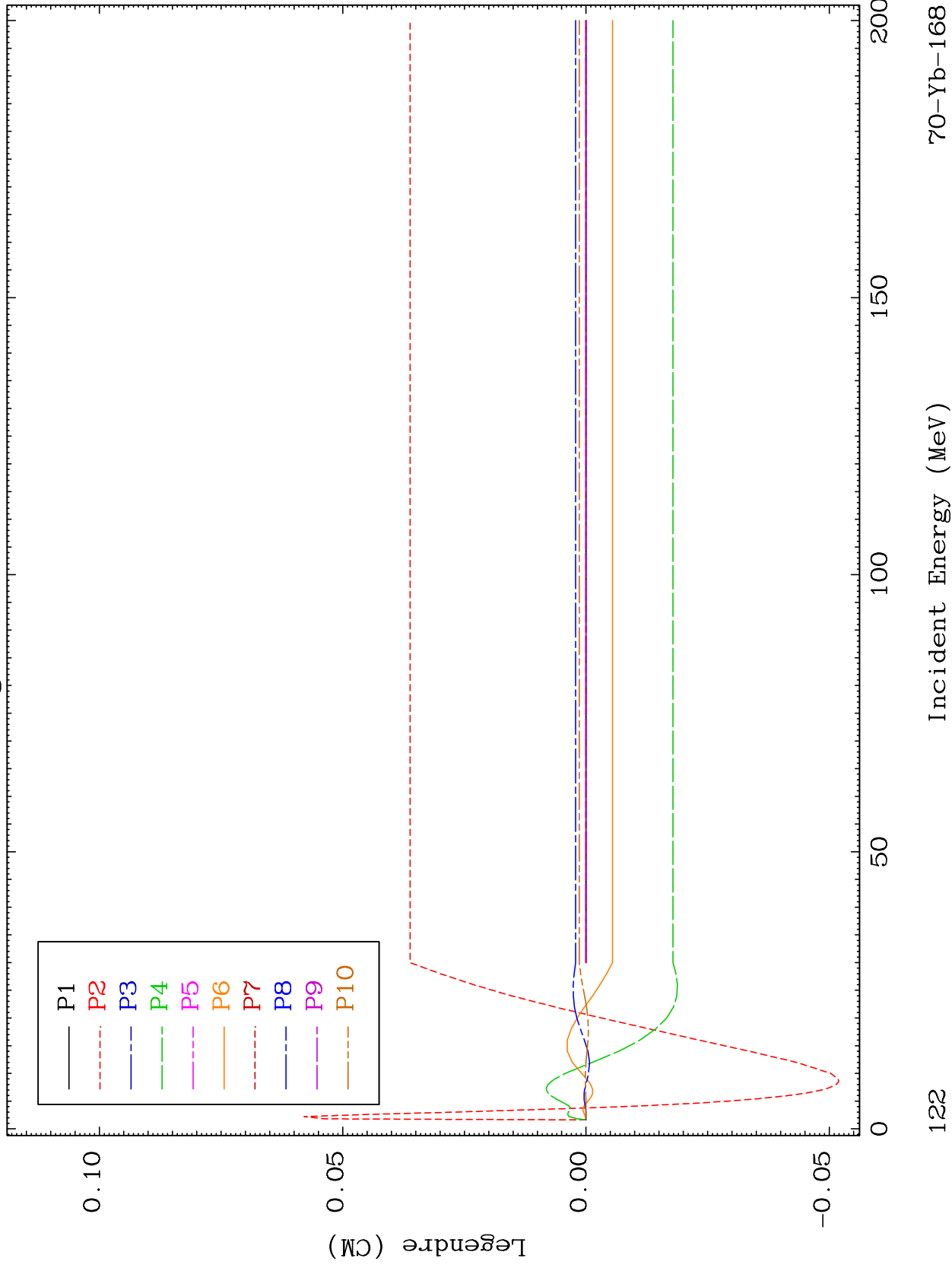




MAT 7025

1.598 MeV (n,n') Level
Legendre Coefficients

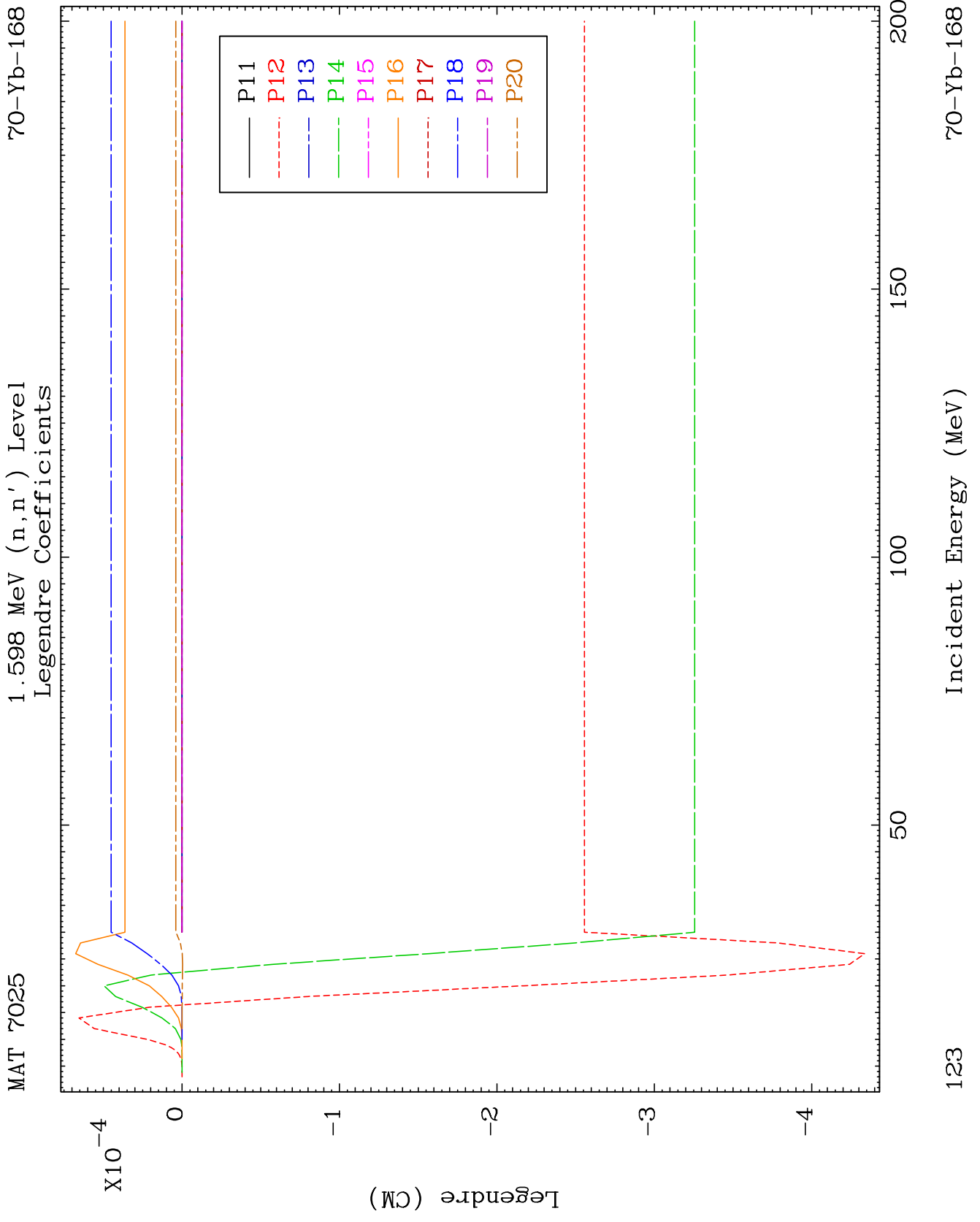
70-Yb-168

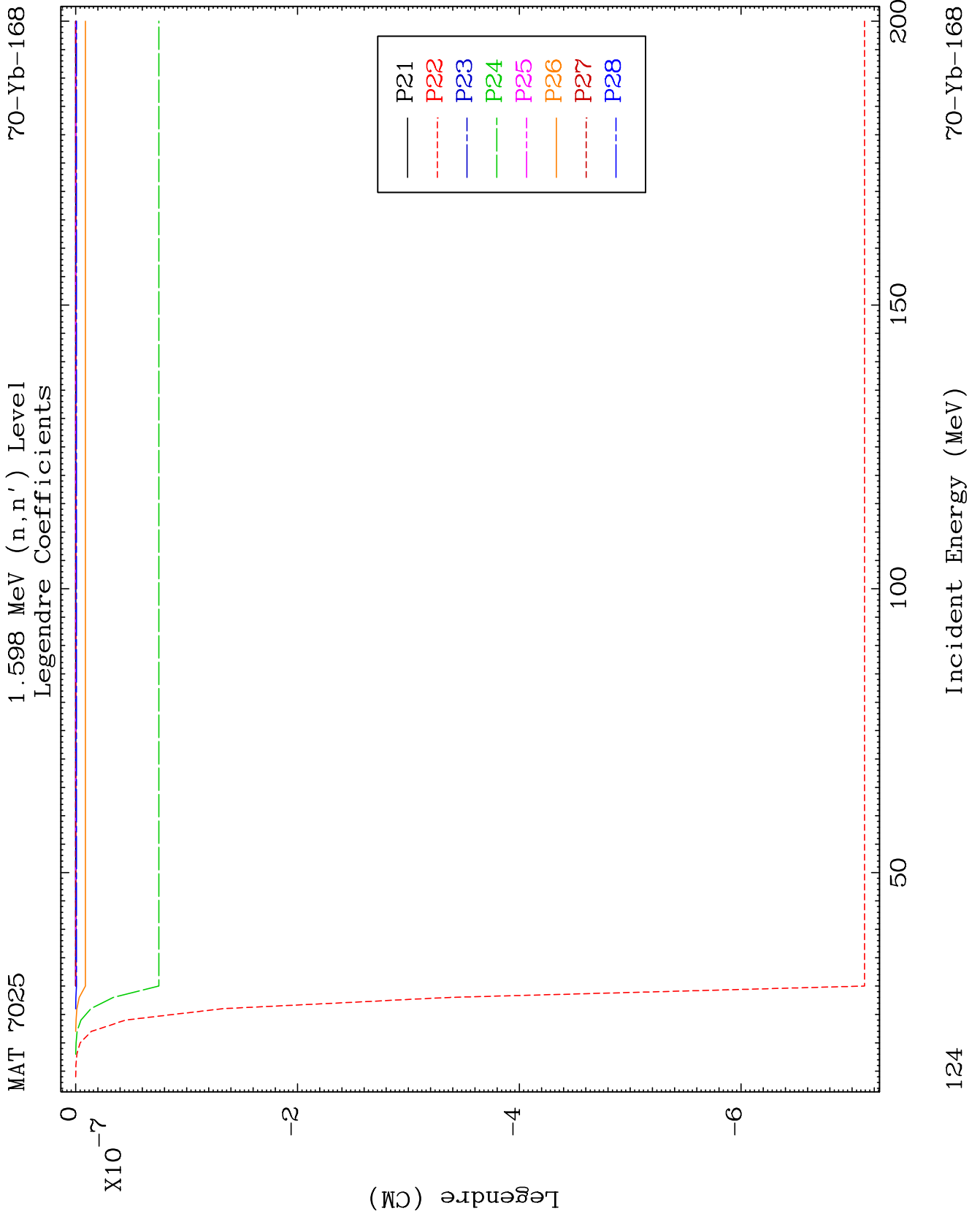


70-Yb-168

Incident Energy (MeV)

122

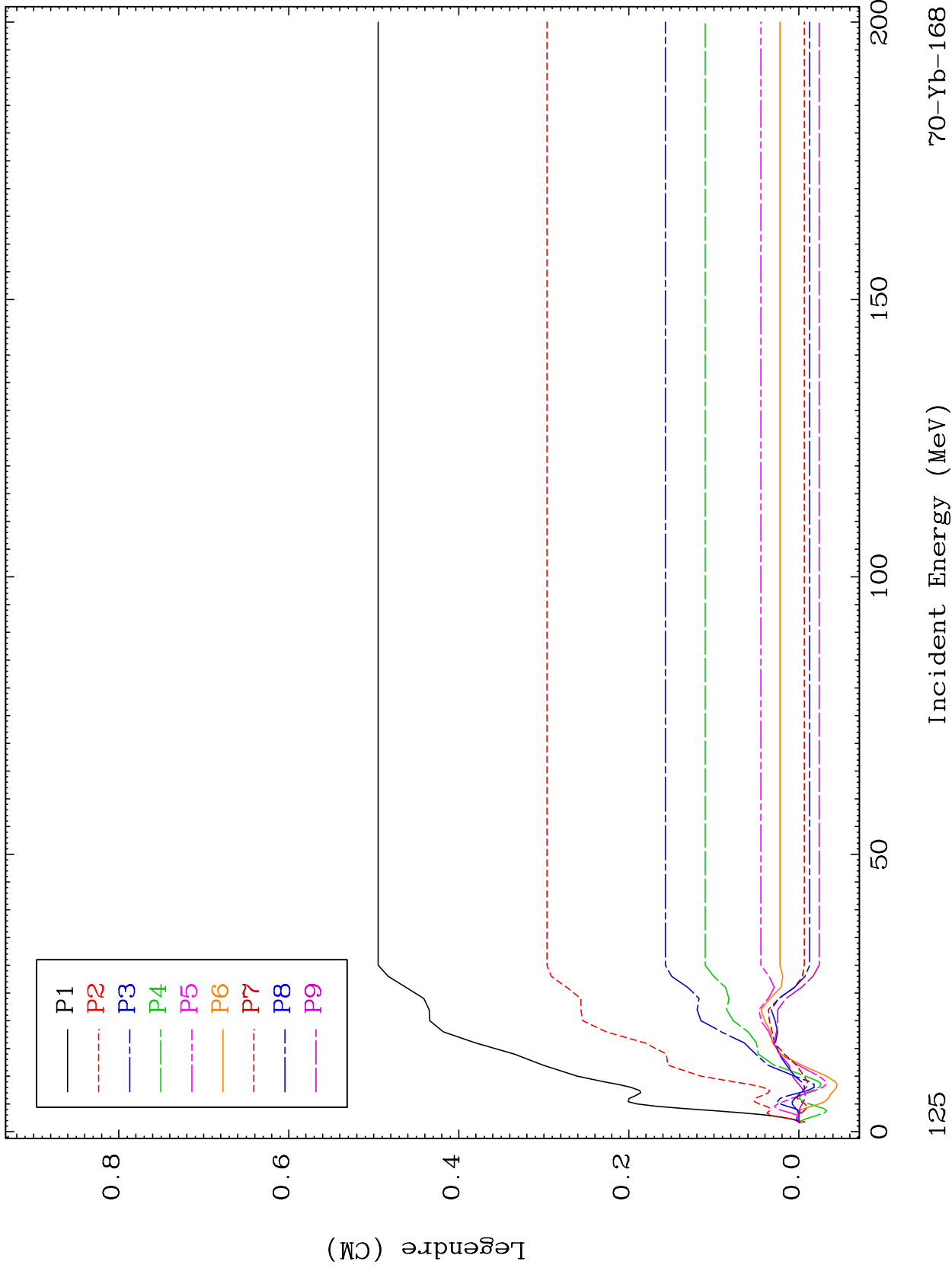




MAT 7025

1.604 MeV (n,n') Level
Legendre Coefficients

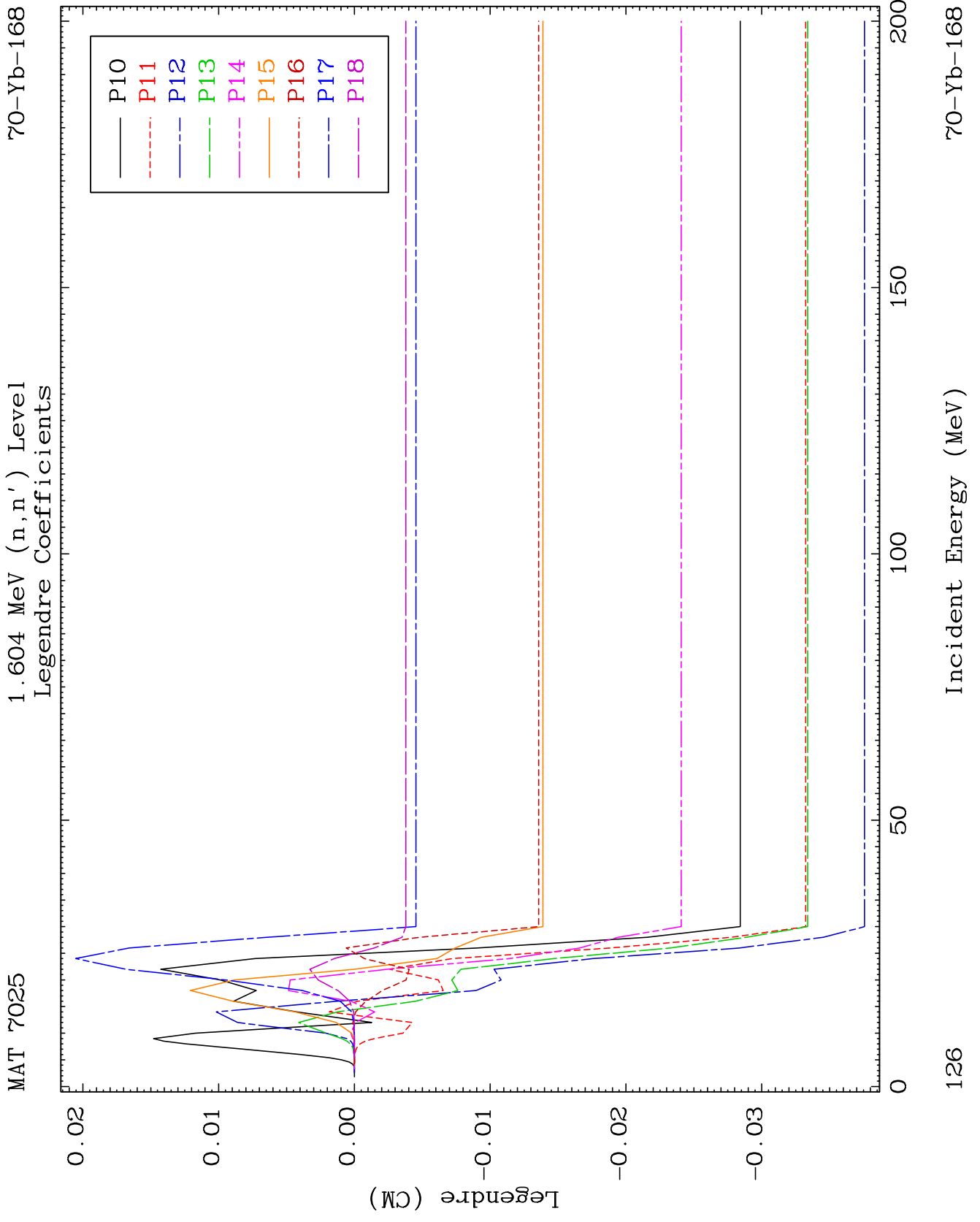
70-Yb-168



70-Yb-168

Incident Energy (MeV)

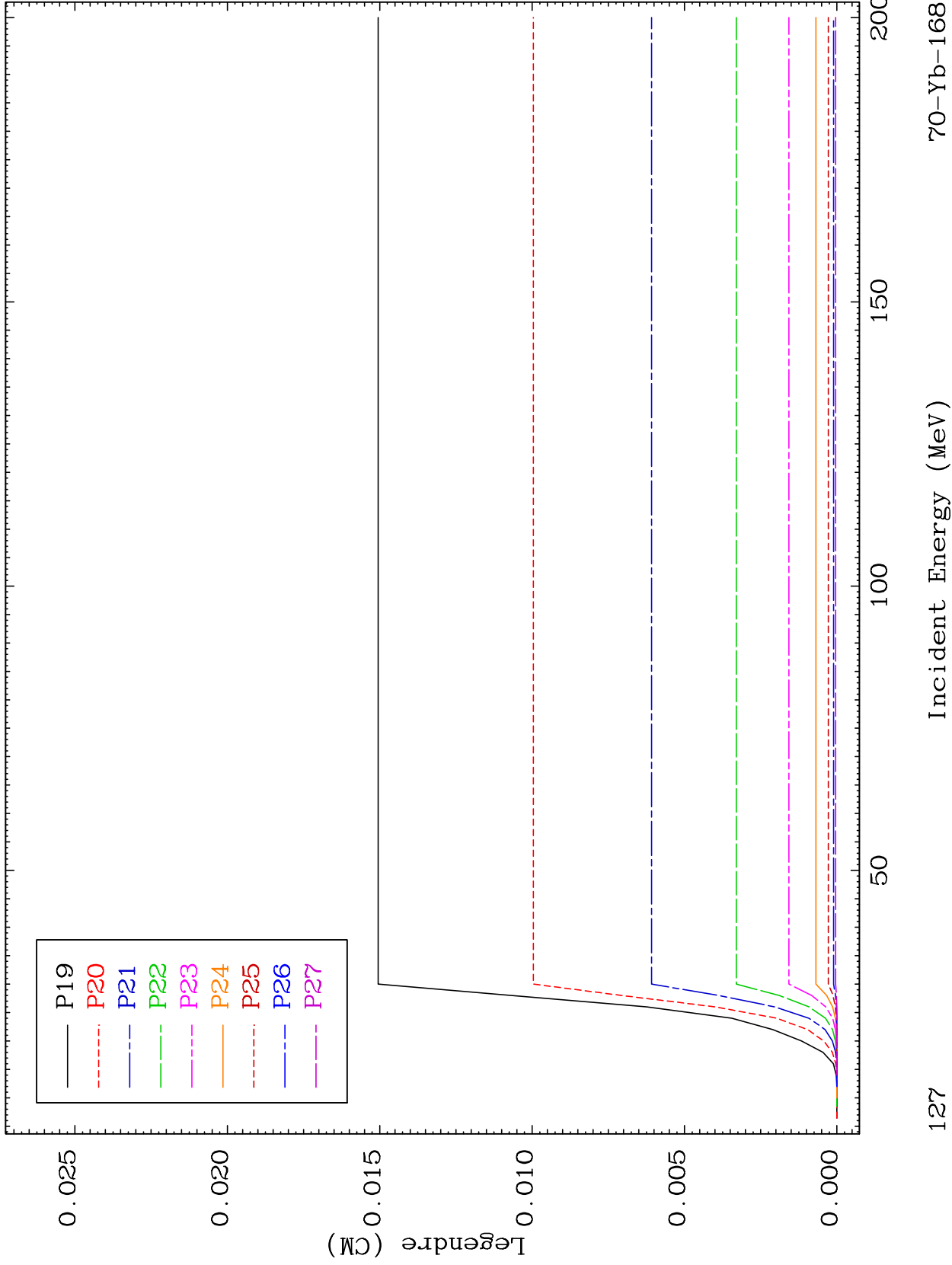
125



MAT 7025

1.604 MeV (n, n') Level
Legendre Coefficients

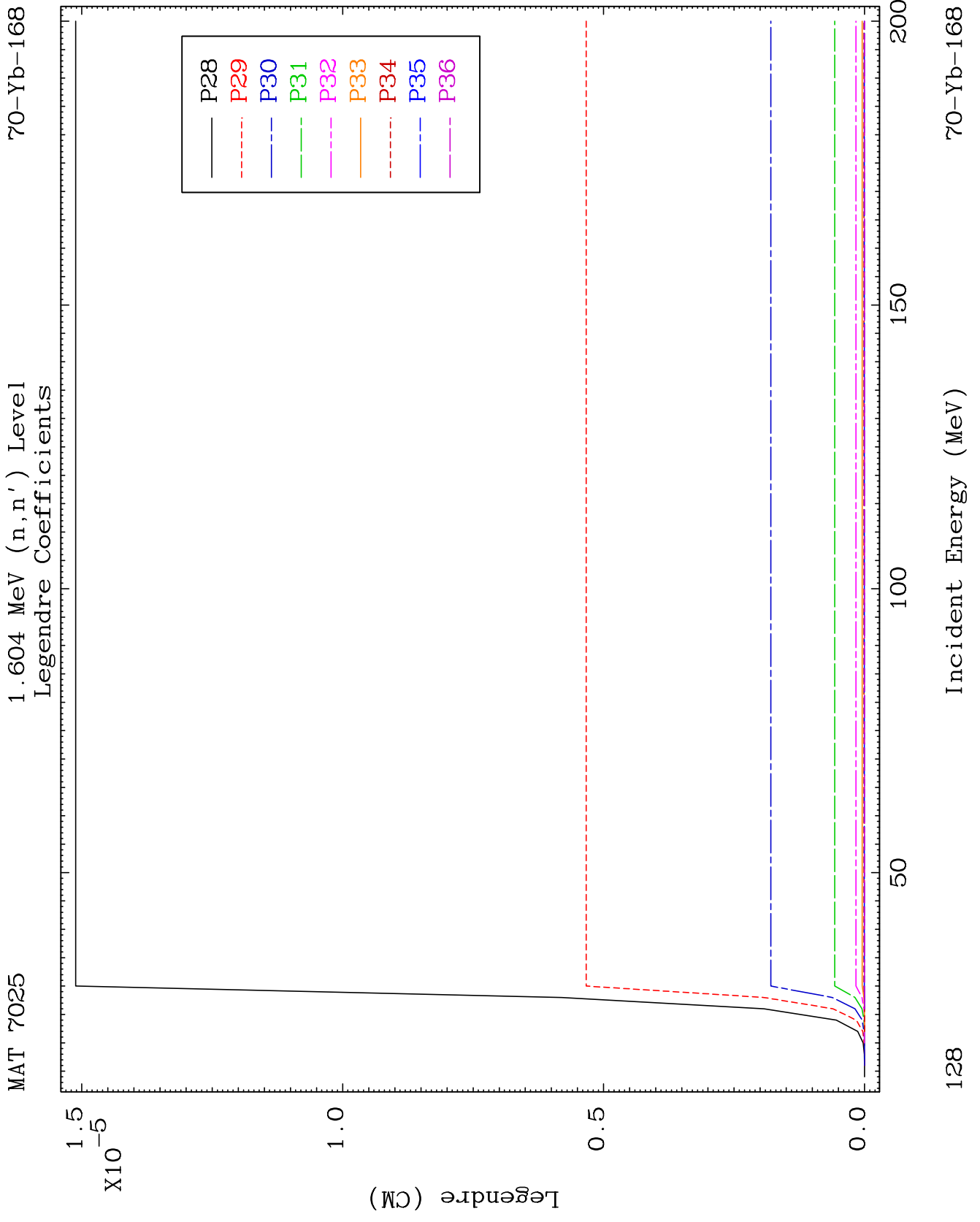
70-Yb-168



127

70-Yb-168

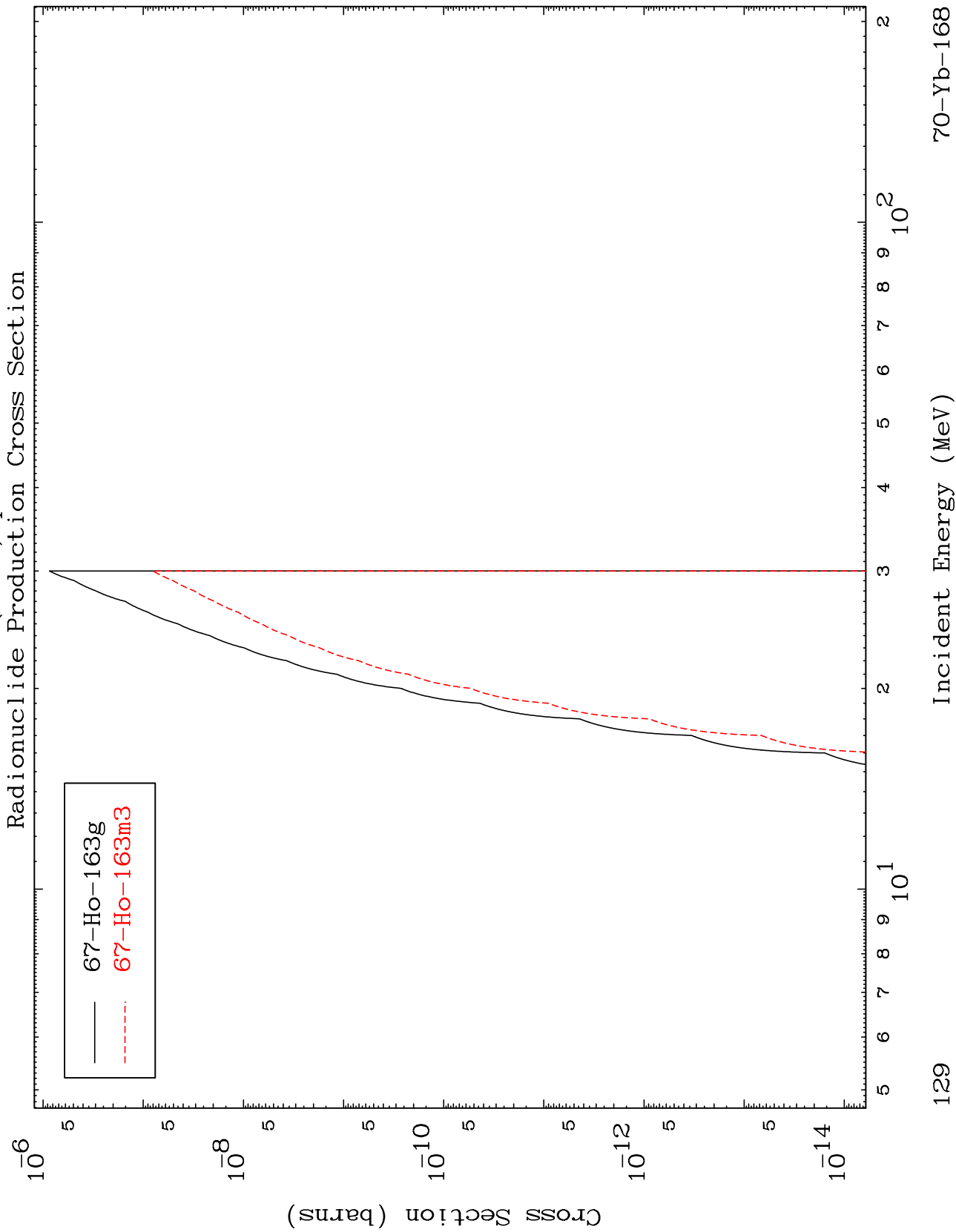
Incident Energy (MeV)



MAT 7025

(n,n') p α

70-Yb-168

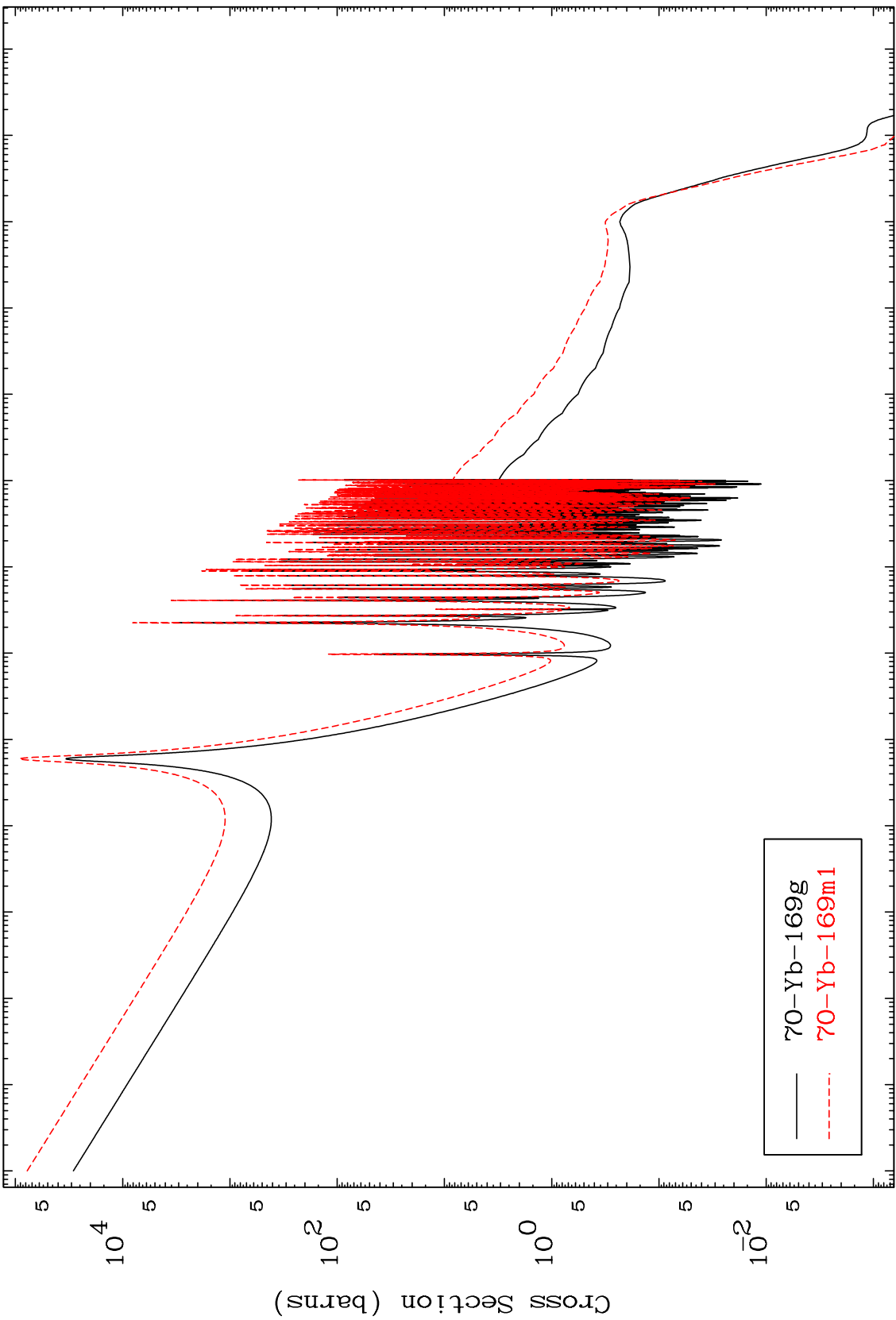


MAT 7025

70-Yb-168

Radionuclide Production Cross Section

(n, γ)



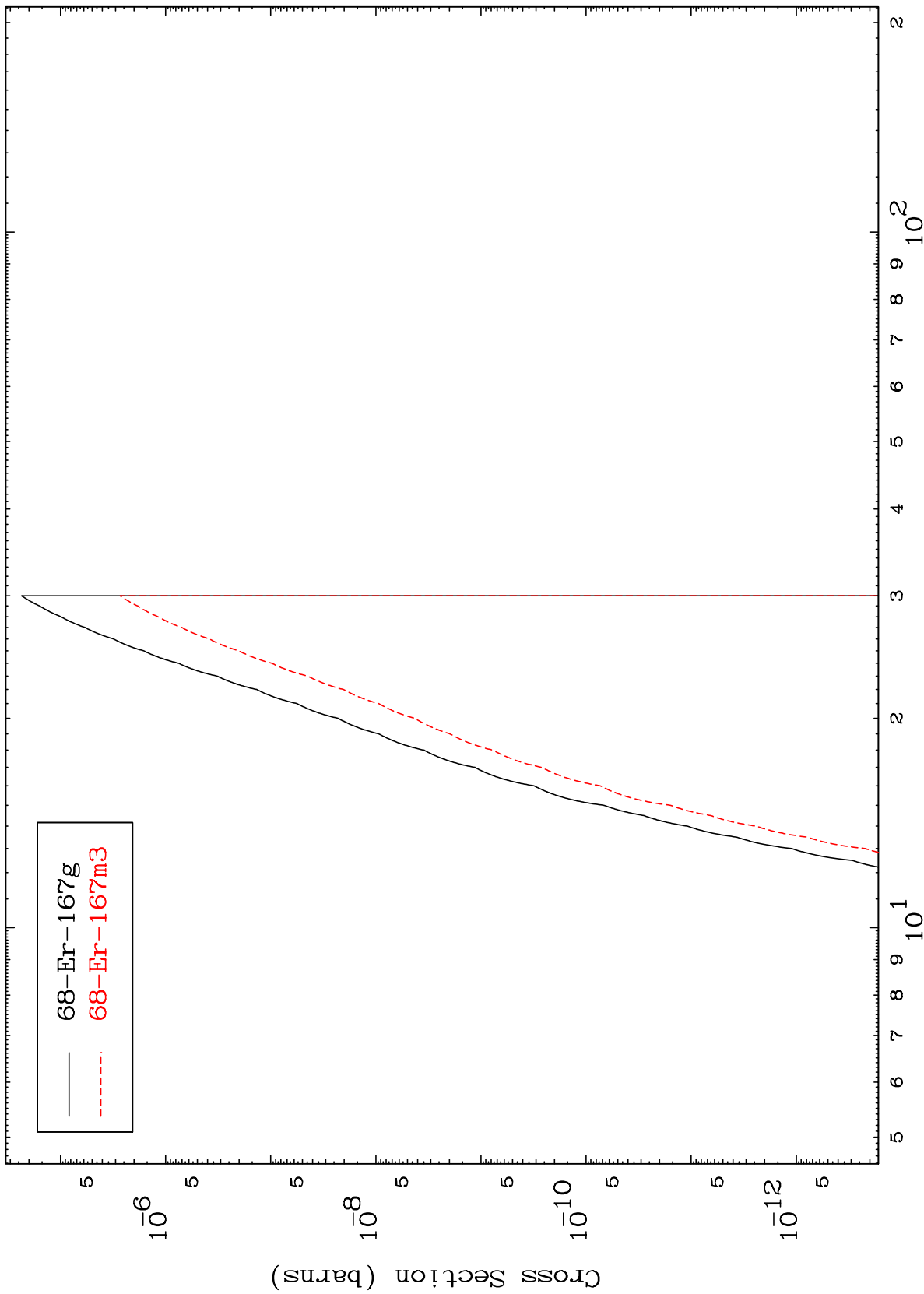
70-Yb-168

Incident Energy (MeV)

MAT 7025

70-Yb-168

(n,2p)
Radionuclide Production Cross Section



131

Incident Energy (MeV)

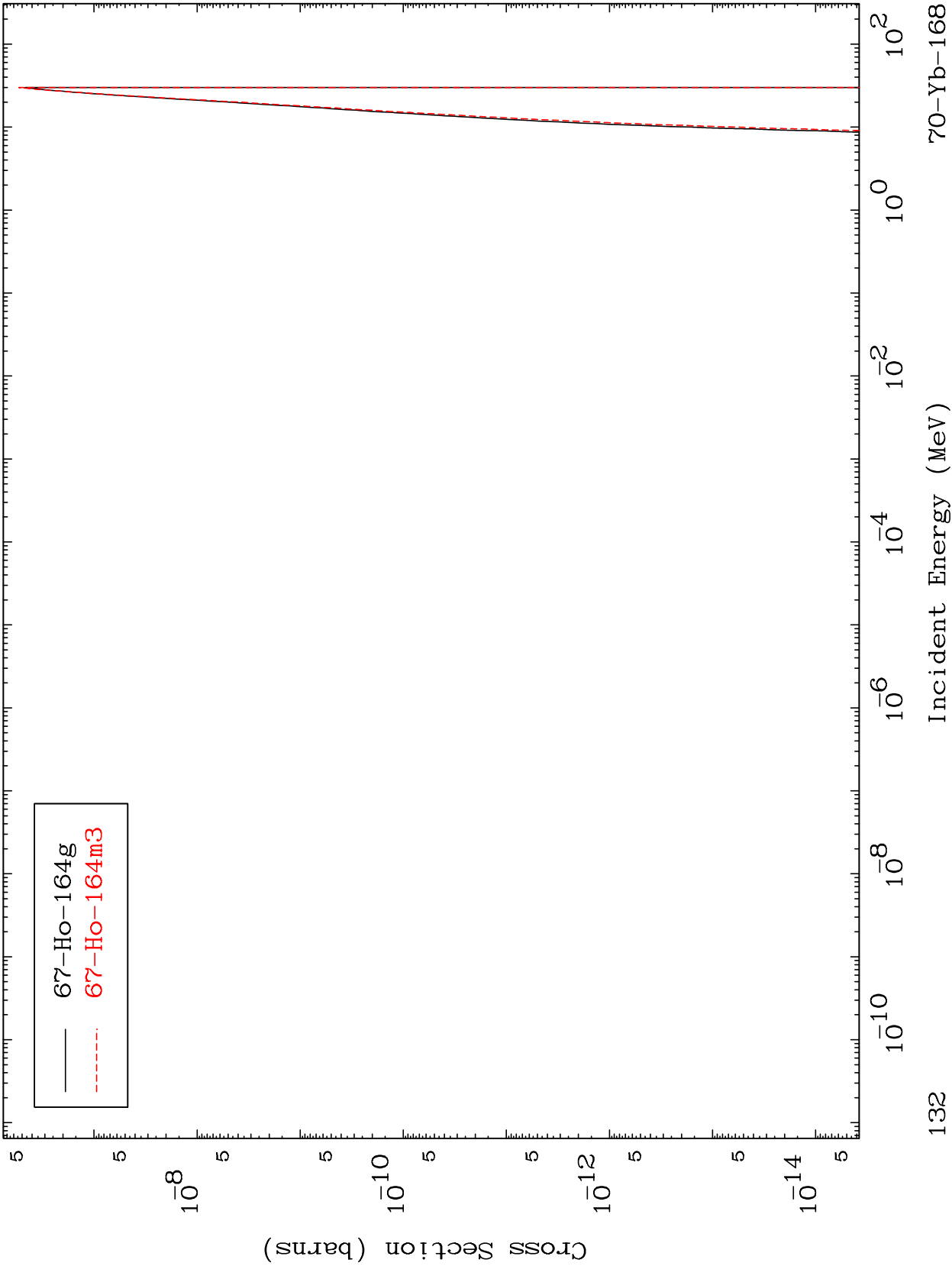
70-Yb-168

MAT 7025

(n,p) α

70-Yb-168

Radionuclide Production Cross Section

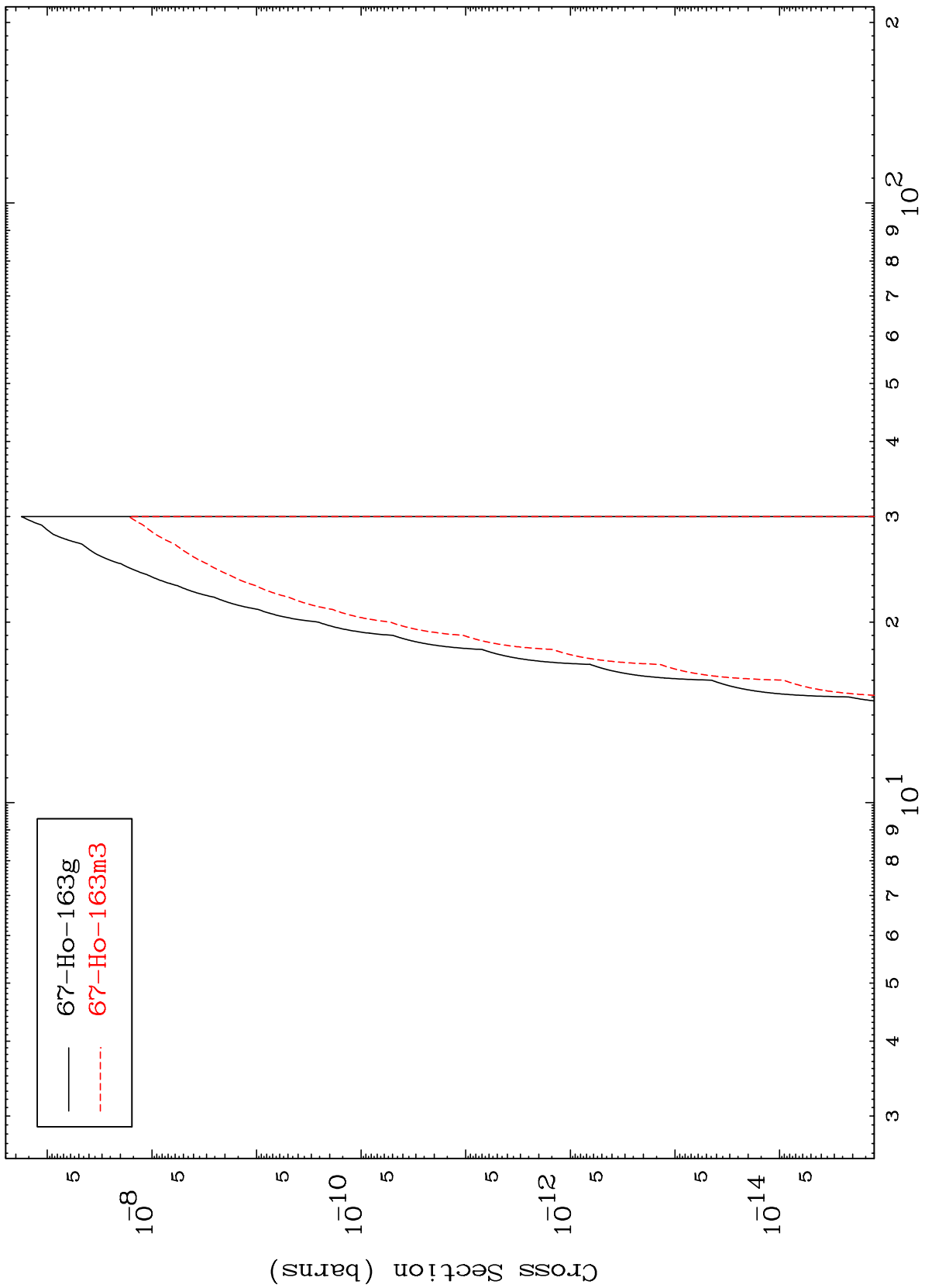


MAT 7025

(n,d) α

70-Yb-168

Radionuclide Production Cross Section



133

Incident Energy (MeV)

70-Yb-168